

## Issues

| #     | Project                             | Tracker               | Status           | Priority | Subject   | Assignee        | Updated             |
|-------|-------------------------------------|-----------------------|------------------|----------|---|-----------------|---------------------|
| 23986 | 3.9 GHz Cryomodule testing          | Bug                   | New              | Normal   | Low Level RF Drive Power                              |                 | 02/02/2020 07:40 PM |
| 24370 | ACNET Service                       | Bug                   | New              | Normal   | Python None Type Comparison                           | Charles King    | 05/01/2020 11:23 AM |
| 15180 | ACNET Service                       | Feature               | New              | Normal   | Need an easy way to kill TCP clients' connections     |                 | 01/18/2017 10:39 AM |
| 16707 | ACNET Service                       | Feature               | New              | Normal   | Find an alternate to 'nodesd'                         |                 | 05/30/2017 10:53 AM |
| 20698 | ACNET Service                       | Feature               | New              | Normal   | Large Messages: Support the client API                | Richard Neswold | 08/28/2018 02:20 PM |
| 20689 | ACNET Service                       | Feature               | Assigned         | Normal   | Remove byte-swapping from acnetd                      | Richard Neswold | 02/13/2019 01:45 PM |
| 22352 | ACNET Service                       | Feature               | New              | Normal   | Change Javascript client library to use worker thread | Richard Neswold | 04/10/2019 11:49 AM |
| 23602 | ACNET Service                       | Feature               | New              | Normal   | ACNETD Local Config for Nodes                         | Beau Harrison   | 11/14/2019 11:24 AM |
| 12735 | ACNET Service                       | Feature               | Assigned         | Normal   | Add support for large messages                        | Richard Neswold | 03/18/2020 10:10 AM |
| 24568 | ACNET Service                       | Feature               | New              | Normal   | Add local IP lookup to acnetd.                        | Richard Neswold | 06/26/2020 11:50 AM |
| 18084 | ACNET Service                       | Support               | Assigned         | Low      | Fix warnings in acnet.eri                             | Richard Neswold | 10/31/2017 03:12 PM |
| 20824 | ACNET Service                       | Support               | New              | Normal   | Make task ID unique                                   | Richard Neswold | 09/12/2018 04:18 PM |
| 22708 | ACNET Service                       | Support               | Assigned         | Normal   | Erlang library needs to be updated                    | Richard Neswold | 06/10/2019 02:37 PM |
| 24156 | AD Controls Department              | Bug                   | New              | Normal   | Bursts of State Changes                               |                 | 03/09/2020 04:55 PM |
| 20111 | AD Controls Department              | Feature               | Work in progress | Normal   | Add clock type to event specification                 |                 | 06/07/2018 10:44 AM |
| 24152 | AD Controls Department              | Feature               | New              | Normal   | Conditional Alarm States                              |                 | 03/09/2020 10:24 AM |
| 24153 | AD Controls Department              | Idea                  | New              | Normal   | Device Scaling Transforms Audit                       |                 | 03/09/2020 12:30 PM |
| 24157 | AD Controls Department              | Idea                  | New              | Normal   | Time Series Database                                  |                 | 03/09/2020 04:58 PM |
| 21837 | AD ESH Department, Interlocks Group | Feature               | New              | Normal   | Failure Transparency                                  |                 | 02/05/2019 08:29 AM |
| 21840 | AD ESH Department, Interlocks Group | Feature               | New              | Normal   | Unified LEPR/PLC Protocol                             |                 | 02/05/2019 08:42 AM |
| 21852 | AD ESH Department, Interlocks Group | Feature               | New              | Normal   | SVG to ApeMan   |                 | 02/06/2019 09:55 AM |
| 21842 | AD ESH Department, Interlocks Group | Feature               | New              | Normal   | RS-485 Protocol                                       |                 | 02/06/2019 10:03 AM |
| 21853 | AD ESH Department, Interlocks Group | Feature               | New              | Normal   | OPC-UA Client   |                 | 02/06/2019 10:03 AM |
| 21839 | AD ESH Department, Interlocks Group | Support               | New              | Normal   | XWindows Support is Fading                            |                 | 02/05/2019 08:37 AM |
| 21838 | AD ESH Department, Interlocks Group | Idea                  | New              | Normal   | Remove Shared Memory Model                            |                 | 02/05/2019 08:34 AM |
| 21836 | AD ESH Department, Interlocks Group | Necessary Maintenance | New              | High     | Scientific Linux 6 End of Life                        |                 | 02/05/2019 08:26 AM |

| #     | Project                             | Tracker               | Status           | Priority | Subject   | Assignee        | Updated             |
|-------|-------------------------------------|-----------------------|------------------|----------|---|-----------------|---------------------|
| 21841 | AD ESH Department, Interlocks Group | Necessary Maintenance | New              | Urgent   | LEPR Upgrade  |                 | 02/05/2019 09:17 AM |
| 21843 | AD ESH Department, Interlocks Group | Task                  | New              | Normal   | Understand AART Code  | Beau Harrison   | 02/05/2019 09:09 AM |
| 18197 | adinstbpm                           | Bug                   | New              | Normal   | Why do soft reboots sometime hang?  |                 | 11/10/2017 10:14 AM |
| 20450 | adinstbpm                           | Bug                   | New              | Normal   | The number of samples argument to bpmcli dump does not respect multiple bunches   |                 | 07/25/2018 03:47 PM |
| 20473 | adinstbpm                           | Bug                   | Resolved         | Normal   | Control message queue is not destroyed on shutdown  | John Diamond    | 07/28/2018 08:27 PM |
| 23334 | adinstbpm                           | Bug                   | New              | Normal   | Review request<br>[commit:9d6fb8c32be2b760ee703095242308551c178991: Removed commented syslog(..) calls that where replaced with TRACE.] |                 | 09/25/2019 03:06 PM |
| 24143 | adinstbpm                           | Bug                   | New              | Normal   | Missing Mutual Exclusion with linked list internals   | Robert Santucci | 03/06/2020 11:47 AM |
| 17776 | adinstbpm                           | Feature               | New              | Normal   | Support for DMA transfers from DAQ modules  | John Diamond    | 09/26/2017 11:17 AM |
| 17771 | adinstbpm                           | Feature               | Work in progress | Normal   | Support for flash-turn and flash-orbit measurements   | John Diamond    | 10/06/2017 01:02 PM |
| 18037 | adinstbpm                           | Feature               | Resolved         | Normal   | Support flagging that data could not be read when a DAQ module is missing/failed  | John Diamond    | 10/29/2017 09:47 AM |
| 18636 | adinstbpm                           | Feature               | Assigned         | Normal   | bpmcli command to reload bpmd.conf  | John Diamond    | 12/29/2017 11:08 AM |
| 20351 | adinstbpm                           | Feature               | Resolved         | Normal   | Support for 4-channel 2-dimensional BPMs  | John Diamond    | 08/22/2018 08:48 PM |
| 21696 | adinstbpm                           | Feature               | Assigned         | Normal   | Snapshot plot support for Booster BPMs  | Elliott McCrory | 01/15/2019 12:53 PM |
| 22551 | adinstbpm                           | Feature               | New              | Normal   | Support displaying bpmd broadcasts  | John Diamond    | 05/08/2019 02:55 PM |
| 22552 | adinstbpm                           | Feature               | New              | Normal   | Support displaying data in gnuplot  | John Diamond    | 05/08/2019 02:55 PM |
| 17998 | adinstbpm                           | Milestone             | New              | Normal   | Improvements to bpmcli  | John Diamond    | 11/07/2017 09:25 AM |
| 18435 | adinstbpm                           | Milestone             | New              | Normal   | Support for GigE ADCs   |                 | 11/30/2017 09:35 AM |
| 17719 | adinstbpm                           | Milestone             | New              | Normal   | Booster operational test of one crate alongside existing BPM system   |                 | 12/29/2017 11:08 AM |
| 19850 | adinstbpm                           | Milestone             | New              | Normal   | BPM Diagnostics Application   |                 | 05/02/2018 09:28 AM |
| 20355 | adinstbpm                           | Milestone             | New              | Normal   | Deploy IOTA BPM hardware  |                 | 08/22/2018 09:28 PM |
| 20540 | adinstbpm                           | Milestone             | New              | Normal   | Booster BPM deployment  | John Diamond    | 08/28/2018 09:29 PM |
| 19607 | adinstbpm                           | Milestone             | New              | Normal   | IOTA ACNET Interface  |                 | 10/17/2018 10:57 AM |
| 20350 | adinstbpm                           | Milestone             | New              | Normal   | IOTA BPM deployment   |                 | 10/17/2018 10:57 AM |
| 22499 | adinstbpm                           | Milestone             | New              | Normal   | Support GigE readout  | Duane C. Voy    | 05/08/2019 02:51 PM |
| 22500 | adinstbpm                           | Milestone             | New              | Normal   | Python API for accessing BPM data   | Elliott McCrory | 05/08/2019 02:51 PM |
| 22498 | adinstbpm                           | Milestone             | New              | Normal   | IPC to broadcast events from bpmd   | John Diamond    | 05/08/2019 02:53 PM |
| 22554 | adinstbpm                           | Milestone             | New              | Normal   | Support for Analysis Processes  | Elliott McCrory | 05/08/2019 02:54 PM |
| 22555 | adinstbpm                           | Milestone             | New              | Normal   | RMS analysis process  | Elliott McCrory | 05/08/2019 02:54 PM |

| #     | Project   | Tracker   | Status           | Priority | Subject  | Assignee     | Updated             |
|-------|-----------|-----------|------------------|----------|--|--------------|---------------------|
| 22553 | adinstbpm | Milestone | New              | Normal   | Support for I&Q, phase space data in Reading buffers             | Duane C. Voy | 05/08/2019 02:54 PM |
| 22550 | adinstbpm | Milestone | New              | Normal   | Interactive bpmcli   | John Diamond | 05/08/2019 02:55 PM |
| 22556 | adinstbpm | Milestone | New              | Normal   | Support rack-mount server architecture                           |              | 06/14/2019 02:11 PM |
| 22493 | adinstbpm | Milestone | New              | Normal   | PIP2IT BPM Project   |              | 12/10/2019 08:00 AM |
| 17755 | adinstbpm | Task      | Work in progress | Normal   | Verify DAQ operation with at least 4 modules                     | John Diamond | 09/21/2017 10:54 AM |
| 17844 | adinstbpm | Task      | Resolved         | Normal   | Locking mechanism for shared memory objects                      | John Diamond | 10/10/2017 01:40 PM |
| 17727 | adinstbpm | Task      | Resolved         | Normal   | ACNET device BPM Turn-by-Turn Extra Inputs                       | John Diamond | 10/18/2017 07:45 PM |
| 17725 | adinstbpm | Task      | Resolved         | Normal   | ACNET device BPM Single Turn Scaled Position (0x001f)            | John Diamond | 10/18/2017 08:12 PM |
| 17726 | adinstbpm | Task      | Resolved         | Normal   | ACNET device BPM Single Turn Scaled Position Buffer (0x0020)     | John Diamond | 10/18/2017 08:12 PM |
| 17731 | adinstbpm | Task      | Resolved         | Normal   | ACNET device BPM Closed Orbit Circular Buffer (0x0010)           | John Diamond | 10/18/2017 08:14 PM |
| 17722 | adinstbpm | Task      | Resolved         | Normal   | ACNET device BPM Offsets (0x0016)                                | John Diamond | 10/18/2017 08:17 PM |
| 17723 | adinstbpm | Task      | Resolved         | Normal   | ACNET device BPM Digitizer Raw Data (0x0013)                     | John Diamond | 10/18/2017 08:18 PM |
| 17724 | adinstbpm | Task      | Work in progress | Normal   | ACNET device BPM Turn-by-Turn Scaled Positon                     | John Diamond | 10/19/2017 02:40 PM |
| 17729 | adinstbpm | Task      | Work in progress | Normal   | ACNET device BPM Average Position (Snapshot) Orbit (0x0014)      | John Diamond | 10/19/2017 02:53 PM |
| 17730 | adinstbpm | Task      | Work in progress | Normal   | ACNET device BPM Orbit Group (0x001e)                            | John Diamond | 10/19/2017 03:18 PM |
| 17737 | adinstbpm | Task      | Work in progress | Normal   | bpmcli error facility  | John Diamond | 10/20/2017 01:56 PM |
| 17975 | adinstbpm | Task      | Work in progress | Normal   | Test B38 and B40   | John Diamond | 10/20/2017 01:58 PM |
| 18009 | adinstbpm | Task      | Resolved         | Normal   | Driver for Booster BPM transition board                          | John Diamond | 10/23/2017 03:57 PM |
| 18000 | adinstbpm | Task      | Resolved         | Normal   | Support BPM lists in dump commands                               | John Diamond | 10/26/2017 04:19 PM |
| 17999 | adinstbpm | Task      | Resolved         | Normal   | Refactor to use getopt   | John Diamond | 10/26/2017 04:22 PM |
| 18046 | adinstbpm | Task      | New              | Normal   | Refactor bpmcli 'dump_flash_history' command to be a CLICCommand |              | 10/26/2017 04:23 PM |
| 18047 | adinstbpm | Task      | New              | Normal   | Refactor bpmcli 'help' command to be a CLICCommand               |              | 10/26/2017 04:24 PM |
| 18055 | adinstbpm | Task      | Resolved         | Normal   | No beam threshold  | John Diamond | 10/29/2017 09:58 AM |
| 18045 | adinstbpm | Task      | Resolved         | Normal   | Refactor bpmcli 'arm' command to be a CLICCommand                | John Diamond | 10/30/2017 09:51 AM |
| 18048 | adinstbpm | Task      | Resolved         | Normal   | Refactor bpmcli 'readout' command to be a CLICCommand            | John Diamond | 10/30/2017 02:03 PM |
| 18050 | adinstbpm | Task      | Resolved         | Normal   | Refactor bpmcli 'shutdown' command to be a CLICCommand           | John Diamond | 10/30/2017 03:05 PM |
| 18044 | adinstbpm | Task      | Resolved         | Normal   | Refactor bpmcli 'abort' command to be a CLICCommand              | John Diamond | 10/30/2017 03:21 PM |
| 18049 | adinstbpm | Task      | Resolved         | Normal   | Refactor bpmcli 'show' command to be a CLICCommand               | John Diamond | 11/07/2017 09:25 AM |

| #     | Project   | Tracker | Status           | Priority | Subject   | Assignee        | Updated             |
|-------|-----------|---------|------------------|----------|---|-----------------|---------------------|
| 18151 | adinstbpm | Task    | Work in progress | Normal   | Configure BPMs for test stand at Booster location 21        | John Diamond    | 11/08/2017 01:41 PM |
| 18149 | adinstbpm | Task    | Resolved         | Normal   | Implement Booster BPM scaling                               | John Diamond    | 11/08/2017 04:46 PM |
| 18132 | adinstbpm | Task    | Work in progress | Normal   | bpmcli commands for enabling/disabling state machine        | John Diamond    | 11/09/2017 03:09 PM |
| 17935 | adinstbpm | Task    | Work in progress | Normal   | Booster BPM State Machine                                   | John Diamond    | 11/09/2017 03:09 PM |
| 17721 | adinstbpm | Task    | Work in progress | Normal   | ACNET device BPM Numbers (0x0017)                           | John Diamond    | 11/10/2017 08:54 AM |
| 17974 | adinstbpm | Task    | Resolved         | Normal   | Create ACNET devices for B38 and B40                        | John Diamond    | 11/10/2017 02:54 PM |
| 17734 | adinstbpm | Task    | Work in progress | Normal   | ACNET device BPM Orbit Correction Device (0x0022)           | John Diamond    | 11/14/2017 04:07 PM |
| 17720 | adinstbpm | Task    | Work in progress | Normal   | Booster BPM ACNET Interface                                 | John Diamond    | 11/14/2017 04:07 PM |
| 18324 | adinstbpm | Task    | Resolved         | Normal   | Implement polynomial scaling                                | John Diamond    | 11/17/2017 02:40 PM |
| 18436 | adinstbpm | Task    | Work in progress | Normal   | x86 support for Technobox XMC GigE adapter                  | John Diamond    | 11/30/2017 09:41 AM |
| 20038 | adinstbpm | Task    | Assigned         | Normal   | ACNET interface for adjusting TSG and ADC channel delays    | Elliott McCrory | 05/29/2018 03:04 PM |
| 20353 | adinstbpm | Task    | Work in progress | Normal   | Adapter for NML timing module                               | John Diamond    | 07/20/2018 09:33 AM |
| 20437 | adinstbpm | Task    | Assigned         | Normal   | Functional specification document                           | John Diamond    | 07/24/2018 04:14 PM |
| 20354 | adinstbpm | Task    | Resolved         | Normal   | Adapter for IOTA DAQ module                                 | John Diamond    | 07/26/2018 11:36 AM |
| 20474 | adinstbpm | Task    | Resolved         | Normal   | Enter BPMs into bpmd.conf                                   | John Diamond    | 07/28/2018 07:52 AM |
| 20483 | adinstbpm | Task    | Resolved         | Normal   | Create separate "stable" branches for Booster and IOTA BPMs | John Diamond    | 07/30/2018 03:21 PM |
| 20358 | adinstbpm | Task    | Resolved         | Normal   | Request ACNET node assignment                               | John Diamond    | 07/31/2018 11:32 AM |
| 20541 | adinstbpm | Task    | Work in progress | Normal   | Gather crate and CPU MAC addresses for ethernet connections | John Diamond    | 08/06/2018 11:49 AM |
| 20551 | adinstbpm | Task    | New              | Normal   | BPM-level delay configuration                               |                 | 08/07/2018 02:38 PM |
| 20543 | adinstbpm | Task    | Assigned         | Normal   | Request ethernet connection for bbpl15 and bbpl15-crate     | John Diamond    | 08/07/2018 06:13 PM |
| 20555 | adinstbpm | Task    | Assigned         | Normal   | Request ethernet connection for bbpl12 and bbpl12-crate     | John Diamond    | 08/07/2018 06:17 PM |
| 20556 | adinstbpm | Task    | Assigned         | Normal   | Request ethernet connection for bbpl18 and bbpl18-create    | John Diamond    | 08/07/2018 06:25 PM |
| 20557 | adinstbpm | Task    | Assigned         | Normal   | Request ethernet connection for bbpl24 and bbpl24-crate     | John Diamond    | 08/07/2018 06:35 PM |
| 20649 | adinstbpm | Task    | Work in progress | Normal   | Request ACNET node assignment for BBPL15                    | John Diamond    | 08/21/2018 08:22 AM |
| 20650 | adinstbpm | Task    | Work in progress | Normal   | Request ACNET node assignment for BBPL12                    | John Diamond    | 08/21/2018 08:22 AM |

| #     | Project            | Tracker | Status           | Priority | Subject   | Assignee        | Updated             |
|-------|--------------------|---------|------------------|----------|---|-----------------|---------------------|
| 20651 | adinstbpm          | Task    | Work in progress | Normal   | Request ACNET node assignment for BBPL18                                | John Diamond    | 08/21/2018 08:22 AM |
| 20652 | adinstbpm          | Task    | Work in progress | Normal   | Request ACNET node assignment for BBPL24                                | John Diamond    | 08/21/2018 08:22 AM |
| 20665 | adinstbpm          | Task    | New              | Normal   | Support multiple sets of coefficients for 2-D fits                      |                 | 08/22/2018 08:51 PM |
| 20356 | adinstbpm          | Task    | Resolved         | Normal   | Request ethernet connection for crate and CPU                           | John Diamond    | 08/22/2018 09:28 PM |
| 20377 | adinstbpm          | Task    | Resolved         | Normal   | IOTA State Machine  | John Diamond    | 08/22/2018 09:30 PM |
| 20666 | adinstbpm          | Task    | New              | Normal   | TCLK-driven arm and TBT readout for IOTA                                |                 | 08/22/2018 09:33 PM |
| 20681 | adinstbpm          | Task    | New              | Normal   | bpmd.conf for BBPL15  |                 | 08/26/2018 02:41 PM |
| 20682 | adinstbpm          | Task    | New              | Normal   | bpmd.config for BBPL15  |                 | 08/26/2018 02:41 PM |
| 20683 | adinstbpm          | Task    | Resolved         | Normal   | Change node name for all BBPM15 devices                                 | John Diamond    | 08/28/2018 10:01 AM |
| 20693 | adinstbpm          | Task    | Resolved         | Normal   | Change node name for all BBPM06 devices                                 | John Diamond    | 08/28/2018 10:02 AM |
| 20694 | adinstbpm          | Task    | Resolved         | Normal   | Change node name for all BBPM21 devices                                 | John Diamond    | 08/28/2018 12:11 PM |
| 20703 | adinstbpm          | Task    | Resolved         | Normal   | Change node name for all BBPM12 devices                                 | John Diamond    | 08/28/2018 06:37 PM |
| 20704 | adinstbpm          | Task    | Resolved         | Normal   | Change node name for all BBPM18 devices                                 | John Diamond    | 08/28/2018 08:05 PM |
| 20705 | adinstbpm          | Task    | Resolved         | Normal   | Change node name for all BBPM24 devices                                 | John Diamond    | 08/28/2018 09:29 PM |
| 20522 | adinstbpm          | Task    | Assigned         | Normal   | ACNET device for Arming IOTA BPMs                                       | Elliott McCrory | 08/31/2018 01:55 PM |
| 20352 | adinstbpm          | Task    | Resolved         | Normal   | Startup despite missing timing module                                   | John Diamond    | 09/07/2018 09:19 AM |
| 20520 | adinstbpm          | Task    | Assigned         | Normal   | IOTA BPM TBT Array Device   | Elliott McCrory | 10/16/2018 11:16 AM |
| 20664 | adinstbpm          | Task    | Work in progress | Normal   | Orbit structure device for IOTA BPMs                                    | Elliott McCrory | 10/17/2018 10:53 AM |
| 19608 | adinstbpm          | Task    | Work in progress | Normal   | Crate status and control device   | Elliott McCrory | 10/17/2018 10:57 AM |
| 20663 | adinstbpm          | Task    | Work in progress | Normal   | Separate IOTA ACNET code from BoosterBPMACNET.C and BoosterCrateACNET.C | John Diamond    | 10/17/2018 10:59 AM |
| 22495 | adinstbpm          | Task    | New              | Normal   | Refactor to store positions inside of Readings                          | Elliott McCrory | 05/08/2019 02:52 PM |
| 22497 | adinstbpm          | Task    | New              | Normal   | Position calculation thread   | Elliott McCrory | 05/08/2019 02:52 PM |
| 22549 | adinstbpm          | Task    | New              | Normal   | Merge iota_stable, booster_stable                                       | John Diamond    | 05/08/2019 02:53 PM |
| 24146 | adinstbpm          | Task    | New              | Low      | TRACE buffer levels need to be in enumeration                           | Robert Santucci | 03/06/2020 02:09 PM |
| 10889 | AD Instrumentation | Feature | New              | High     | Implement Moco 720 Hz Upgrade   | Roger Tokarek   | 11/09/2015 03:40 PM |
| 5409  | ADMIN              | Bug     | New              | Normal   | Testing Service Now text entry issue, INC000000404116                   | Arthur Kreymer  | 02/10/2014 05:18 PM |
| 8139  | ADMIN              | Feature | Assigned         | Normal   | NAS-HOME testing  | Arthur Kreymer  | 10/23/2015 11:11 AM |
| 5277  | ADMIN              | Support | New              | Normal   | minoscvcs deployment  | Arthur Kreymer  | 01/27/2014 05:40 PM |
| 5392  | ADMIN              | Support | New              | High     | remove /pnfs/minos group write permissions                              | Arthur Kreymer  | 02/08/2014 03:43 PM |
| 3590  | ADMIN              | Support | New              | Normal   | Move /minos/app data files  | Arthur Kreymer  | 11/26/2014 10:55 PM |

| #     | Project                | Tracker   | Status   | Priority | Subject   | Assignee       | Updated             |
|-------|------------------------|-----------|----------|----------|---|----------------|---------------------|
| 7843  | ADMIN                  | Support   | New      | Normal   | Minos FY 2015 SPPM resource spreadsheet   |                | 02/12/2015 10:56 AM |
| 10921 | ADMIN                  | Support   | New      | Normal   | ND DCS, DAQ, and Timing web pages all run on nusoft space                                     |                | 11/12/2015 01:16 PM |
| 10920 | ADMIN                  | Support   | New      | Urgent   | move www-numi minos pages to /web/sites/minos.fnal.gov  | Arthur Kreymer | 01/06/2016 10:31 AM |
| 10919 | ADMIN                  | Support   | Resolved | Normal   | move /nusoft/app/htdoc/minos to /web/sites/minos.fnal.gov                                     | Arthur Kreymer | 09/28/2020 02:44 PM |
| 5740  | ADMIN                  | Idea      | Accepted | Normal   | Minos Windows to Linux survey   | Arthur Kreymer | 03/26/2014 12:51 PM |
| 359   | Aged Password Detector | Bug       | New      | Normal   | Accommodate new Password_overdue view   |                | 03/15/2010 01:24 PM |
| 22790 | AI-for-Accelerators    | Feature   | New      | Normal   | Full current set data readout and storage   |                | 06/20/2019 04:41 PM |
| 22794 | AI-for-Accelerators    | Feature   | New      | Normal   | Develop solution for querying stored data   |                | 06/20/2019 04:45 PM |
| 22800 | AI-for-Accelerators    | Feature   | New      | Normal   | Build a framework for agent deployment  |                | 06/21/2019 11:43 AM |
| 22802 | AI-for-Accelerators    | Feature   | New      | Normal   | Build a distributed training system for faster turnaround                                     |                | 06/21/2019 11:44 AM |
| 22799 | AI-for-Accelerators    | Feature   | New      | Normal   | Build offline training system   |                | 06/21/2019 11:44 AM |
| 22833 | AI-for-Accelerators    | Feature   | New      | Normal   | Build a "kick-started" candidate agent  |                | 06/27/2019 04:25 PM |
| 22829 | AI-for-Accelerators    | Feature   | New      | Normal   | Algorithm development, part 1   |                | 06/27/2019 04:25 PM |
| 22918 | AI-for-Accelerators    | Feature   | New      | Normal   | Data products, part 2   |                | 07/11/2019 01:40 PM |
| 22787 | AI-for-Accelerators    | Milestone | New      | Normal   | Data Products, Part 1   |                | 06/20/2019 04:44 PM |
| 22839 | AI-for-Accelerators    | Milestone | New      | Normal   | Test algorithm implementation on hardware with hls4ml   |                | 06/28/2019 04:40 PM |
| 22922 | AI-for-Accelerators    | Milestone | New      | Normal   | Hall work part 1  |                | 07/11/2019 01:42 PM |
| 22932 | AI-for-Accelerators    | Milestone | New      | Normal   | Algorithm development, part 2   |                | 07/12/2019 03:18 PM |
| 22942 | AI-for-Accelerators    | Milestone | New      | Normal   | Historical agent  |                | 07/15/2019 04:19 PM |
| 22947 | AI-for-Accelerators    | Milestone | New      | Normal   | Project extension exploration, part 1   |                | 07/15/2019 04:22 PM |
| 22948 | AI-for-Accelerators    | Milestone | New      | Normal   | Project finalization  |                | 07/15/2019 04:23 PM |
| 22791 | AI-for-Accelerators    | Task      | New      | Normal   | Create list of initial set of devices and dataloggers (ACNET)                                 |                | 06/20/2019 04:42 PM |
| 22793 | AI-for-Accelerators    | Task      | New      | Normal   | Estimate storage requirements over 1, 3, 6, 12 month timelines                                |                | 06/20/2019 04:44 PM |
| 22792 | AI-for-Accelerators    | Task      | New      | Normal   | Set up long-term storage mechanism for data products  |                | 06/20/2019 04:44 PM |
| 22801 | AI-for-Accelerators    | Task      | New      | Normal   | Investigate TF-Agents, home-brew systems  |                | 06/21/2019 11:43 AM |
| 22830 | AI-for-Accelerators    | Task      | New      | Normal   | Develop research plan for safe agent behavior   |                | 06/27/2019 04:22 PM |
| 22832 | AI-for-Accelerators    | Task      | New      | Normal   | Train agent, iterating on different reinforcement learning paradigms and algorithms as needed |                | 06/27/2019 04:24 PM |
| 22831 | AI-for-Accelerators    | Task      | New      | Normal   | Build agent for training from historical data - mimic current algorithm                       |                | 06/27/2019 04:24 PM |
| 22834 | AI-for-Accelerators    | Task      | New      | Normal   | Train agent, iterating on different reinforcement learning paradigms and algorithms as needed |                | 06/27/2019 04:25 PM |
| 22840 | AI-for-Accelerators    | Task      | New      | Normal   | Test full workflow with boards on-hand  |                | 06/28/2019 04:38 PM |
| 22841 | AI-for-Accelerators    | Task      | New      | Normal   | Understand input bandwidth requirements   |                | 06/28/2019 04:39 PM |
| 22842 | AI-for-Accelerators    | Task      | New      | Normal   | Design ACNET input system for the board   |                | 06/28/2019 04:39 PM |

| #     | Project                                | Tracker | Status           | Priority  | Subject   | Assignee          | Updated             |
|-------|--|---------|------------------|-----------|---|-------------------|---------------------|
| 22844 | AI-for-Accelerators                    | Task    | New              | Normal    | Understand required number of ops / computations / resources (what are the metrics and how do we decide?)   |                   | 06/28/2019 04:40 PM |
| 22920 | AI-for-Accelerators                    | Task    | New              | Normal    | Refine list of required devices and catalogers  |                   | 07/11/2019 01:39 PM |
| 22921 | AI-for-Accelerators                    | Task    | New              | Normal    | Refine long-term storage estimates  |                   | 07/11/2019 01:40 PM |
| 22923 | AI-for-Accelerators                    | Task    | New              | Normal    | Establish a safe and ORC-allowed work area with a PC for slow interface with the current control system.  |                   | 07/11/2019 01:42 PM |
| 22933 | AI-for-Accelerators                    | Task    | New              | Normal    | Investigate deployment to PC for "slow" inference and training  |                   | 07/12/2019 03:17 PM |
| 22934 | AI-for-Accelerators                    | Task    | New              | Normal    | Implement agent based on training to the current system with historical data on a PC (board?) in the hall that can communicate with the real GMPS |                   | 07/12/2019 03:18 PM |
| 22935 | AI-for-Accelerators                    | Task    | New              | Normal    | Data products, part 3   |                   | 07/12/2019 03:19 PM |
| 22936 | AI-for-Accelerators                    | Task    | New              | Normal    | Finalize list of required devices and catalogers  |                   | 07/12/2019 03:19 PM |
| 22937 | AI-for-Accelerators                    | Task    | New              | Normal    | Finalize long-term storage estimates and required storage horizons  |                   | 07/12/2019 03:20 PM |
| 22943 | AI-for-Accelerators                    | Task    | New              | Normal    | Training mechanism validation   |                   | 07/15/2019 04:20 PM |
| 22944 | AI-for-Accelerators                    | Task    | New              | Normal    | Demonstrate training based on data collection with the RL agent using manual re-flashes of the FPGA   |                   | 07/15/2019 04:20 PM |
| 22945 | AI-for-Accelerators                    | Task    | New              | Normal    | Demonstrate training based on data collection with the RL agent and automated re-flashes of the FPGA  |                   | 07/15/2019 04:20 PM |
| 22946 | AI-for-Accelerators                    | Task    | New              | Normal    | Demonstrate dynamic loading of weights without re-flashing the FPGA?  |                   | 07/15/2019 04:21 PM |
| 24853 | ANL Up/Down Converter Builds 2020/2021 | Task    | New              | Normal    | Quotes and carts needed for Build of ANL Up/Downconverters  |                   | 10/01/2020 10:16 AM |
| 17603 | ANNIE                                  | Support | Resolved         | Immediate | Remove persistent v3data for space  | Arthur Kreymer    | 08/28/2017 03:10 PM |
| 17815 | ANNIE                                  | Support | Resolved         | Normal    | Remove v4data from pnfs to free space   | Marcus O'flaherty | 10/02/2017 07:17 PM |
| 17924 | ANNIE                                  | Support | Work in progress | Normal    | Remove v5data runs from pnfs to clear space   | Marcus O'flaherty | 10/16/2017 03:08 PM |
| 17962 | ANNIE                                  | Support | Resolved         | Normal    | archive v5data/0248 to 0252   | Arthur Kreymer    | 10/27/2017 02:38 PM |
| 17621 | ANNIE                                  | Support | Work in progress | Normal    | Annie internal web pages to <a href="https://anniedata.fnal.gov">https://anniedata.fnal.gov</a>   | Arthur Kreymer    | 01/25/2018 07:22 AM |
| 18795 | ANNIE                                  | Support | Work in progress | Normal    | ANNIE 2018 computing request for SCPMT  | Mayly Sanchez     | 01/25/2018 04:32 PM |
| 18589 | ANNIE                                  | Support | Work in progress | Normal    | Configure /cvmfs/annie.opensciencegrid.org  | Arthur Kreymer    | 03/10/2018 07:55 AM |
| 21449 | ANNIE                                  | Support | New              | Normal    | ANNIE 2019 computing request for SCPMT  | Mayly Sanchez     | 11/28/2018 02:56 PM |
| 21624 | ANNIE                                  | Support | New              | Low       | Annie ECL local password removal  | Arthur Kreymer    | 01/04/2019 10:52 AM |
| 24151 | ANNIE                                  | Support | New              | Normal    | ANNIE 2020 computing request  | Benjamin Richards | 05/06/2020 07:43 AM |

| #     | Project         | Tracker               | Status           | Priority | Subject   | Assignee          | Updated             |
|-------|-----------------|-----------------------|------------------|----------|---|-------------------|---------------------|
| 25245 | ANNIE           | Support               | Resolved         | Normal   | /annie app and data ownership and cleanup                 | Arthur Kreymer    | 11/24/2020 02:15 PM |
| 20862 | ANNIE           | Support               | Resolved         | Normal   | annie-daq02 cleanup for Sep 2018 reinstall                | Arthur Kreymer    | 02/17/2021 03:17 PM |
| 20592 | ANNIE           | Support               | Resolved         | Low      | shared account logging for annieraw, anniepro             | Arthur Kreymer    | 02/17/2021 03:21 PM |
| 25658 | ANNIE           | Support               | New              | Normal   | ANNIE 2021 computing request for FCRSG                    | Benjamin Richards | 03/17/2021 12:55 PM |
| 25705 | ANNIE           | Support               | Assigned         | Low      | Deal with the 229 /data/archive-2018 files                | Arthur Kreymer    | 04/02/2021 11:12 AM |
| 25708 | ANNIE           | Support               | Assigned         | Low      | ingress file cleanup                                      | Benjamin Richards | 04/02/2021 02:29 PM |
| 25532 | ANNIE           | Support               | Work in progress | Low      | Archiver restart in 2021                                  | Arthur Kreymer    | 04/13/2021 10:35 AM |
| 24079 | ANNIE           | Necessary Maintenance | New              | Normal   | BNB Downtime  |                   | 02/21/2020 10:57 AM |
| 24080 | ANNIE           | Necessary Maintenance | New              | Normal   | BNB Downtime  |                   | 02/21/2020 11:05 AM |
| 14890 | ANNIE           | Task                  | Resolved         | High     | remove older files from /pnfs/annie/persistent/raw        | Arthur Kreymer    | 01/05/2017 09:41 AM |
| 15476 | ANNIE           | Task                  | Resolved         | High     | Remove from persistent runs <= 247                        | Arthur Kreymer    | 08/31/2017 08:37 AM |
| 15475 | ANNIE           | Task                  | Resolved         | High     | Remove v2data runs converted to v5data                    | Arthur Kreymer    | 08/31/2017 08:39 AM |
| 15595 | ANNIE           | Task                  | Assigned         | Normal   | SAM onboarding  | Arthur Kreymer    | 01/25/2018 07:25 AM |
| 13885 | ANNIE           | Task                  | Work in progress | High     | Move raw and processed data to per-run directories        | Steven Gardiner   | 01/25/2018 07:26 AM |
| 20572 | ANNIE           | Task                  | New              | Normal   | Create tape backed storage area for production reco files | Steven Gardiner   | 08/09/2018 11:11 AM |
| 11097 | ANNIE1-Assembly | Bug                   | New              | Normal   | Finalize crates and racks                                 |                   | 04/06/2016 11:11 PM |
| 11094 | ANNIE1-Assembly | Milestone             | New              | Normal   | Cut top of tank   |                   | 12/06/2015 12:08 PM |
| 8637  | ANNIE1-Assembly | Milestone             | New              | Normal   | Installation of plastic liner                             |                   | 04/06/2016 11:07 PM |
| 11085 | ANNIE1-Assembly | Milestone             | New              | Normal   | NCV shipped to FNAL                                       |                   | 04/06/2016 11:08 PM |
| 11086 | ANNIE1-Assembly | Milestone             | New              | Normal   | Cabling of the installed tank                             |                   | 04/06/2016 11:08 PM |
| 11083 | ANNIE1-Assembly | Milestone             | New              | Normal   | Lower inner structure into tank at ANNIE Hall             |                   | 04/06/2016 11:11 PM |
| 8631  | ANNIE1-Assembly | Milestone             | New              | Normal   | Lowering the tank in ANNIE Hall                           |                   | 04/06/2016 11:12 PM |
| 11096 | ANNIE1-Assembly | Milestone             | New              | Normal   | Prelim ORC inspection                                     |                   | 04/06/2016 11:12 PM |
| 11080 | ANNIE1-Assembly | Task                  | New              | Normal   | Construction of Inner Structure                           |                   | 01/12/2016 02:29 AM |
| 11093 | ANNIE1-Assembly | Task                  | New              | Normal   | Modify top of tank, add round offs                        |                   | 01/12/2016 02:36 PM |
| 11090 | ANNIE1-Assembly | Task                  | New              | Normal   | PMT cabling and shipping                                  |                   | 04/06/2016 11:05 PM |
| 11078 | ANNIE1-Assembly | Task                  | New              | Normal   | Development of PMT installation procedure                 |                   | 04/06/2016 11:05 PM |
| 11079 | ANNIE1-Assembly | Task                  | New              | Normal   | Spot testing of PMTs                                      |                   | 04/06/2016 11:05 PM |
| 11095 | ANNIE1-Assembly | Task                  | New              | Normal   | Populate Crates in Hall                                   |                   | 04/06/2016 11:06 PM |

| #     | Project                   | Tracker   | Status   | Priority | Subject   | Assignee          | Updated             |
|-------|---------------------------|-----------|----------|----------|---|-------------------|---------------------|
| 8576  | ANNIE1-Assembly           | Task      | New      | Normal   | Assembly and installation of PMT modules                      |                   | 04/06/2016 11:06 PM |
| 11081 | ANNIE1-Assembly           | Task      | New      | Normal   | Practice lower inner structure into tank                      |                   | 04/06/2016 11:06 PM |
| 11084 | ANNIE1-Assembly           | Task      | New      | Normal   | Construction of NCV   |                   | 04/06/2016 11:07 PM |
| 11099 | ANNIE1-Assembly           | Task      | New      | Normal   | Installation of Forward Veto Cabling                          |                   | 04/06/2016 11:07 PM |
| 11082 | ANNIE1-Assembly           | Task      | New      | Normal   | Access Platform: construction and installation                |                   | 04/06/2016 11:11 PM |
| 8577  | ANNIE1-Assembly           | Task      | New      | Normal   | Water fill  |                   | 01/25/2018 07:11 AM |
| 11089 | ANNIE1-Assembly           | Task      | New      | Normal   | Set up water skid and recirculation system                    |                   | 01/25/2018 07:20 AM |
| 11098 | ANNIE1-Commissioning      | Milestone | New      | Normal   | Final ORC review  |                   | 01/25/2018 07:20 AM |
| 8600  | ANNIE1-Commissioning      | Task      | New      | Normal   | Dark commissioning of PMTs in ANNIE Hall (no water)           |                   | 01/25/2018 07:10 AM |
| 11087 | ANNIE1-Commissioning      | Task      | New      | Normal   | DAQ commissioning   |                   | 01/25/2018 07:10 AM |
| 8599  | ANNIE1-Commissioning      | Task      | New      | Normal   | Begin Run1 data taking  |                   | 01/25/2018 07:11 AM |
| 8636  | ANNIE1-Commissioning      | Task      | New      | Normal   | Installation and commissioning of NCV                         |                   | 01/25/2018 07:11 AM |
| 11088 | ANNIE1-Commissioning      | Task      | New      | Normal   | Detector commissioning with water                             |                   | 01/25/2018 07:21 AM |
| 9090  | ANNIE1-electronics-design | Feature   | Assigned | Normal   | UC ADC user manual  | Jonathan Eisch    | 01/25/2018 07:14 AM |
| 8806  | ANNIE1-electronics-design | Milestone | New      | Normal   | Redesign of LAPPD central card                                | Matthew Wetstein  | 10/09/2015 02:12 PM |
| 8816  | ANNIE1-electronics-design | Milestone | New      | Normal   | What is our calibration system?                               |                   | 01/25/2018 07:13 AM |
| 9086  | ANNIE1-electronics-design | Task      | Assigned | Normal   | Contact Zarko Pavlovic about beam timing signals.             | Jonathan Eisch    | 06/10/2015 10:48 AM |
| 8808  | ANNIE1-electronics-design | Task      | New      | Normal   | Get details of what we can get from the beam spill and timing | Jonathan Eisch    | 06/10/2015 10:48 AM |
| 8809  | ANNIE1-electronics-design | Task      | Assigned | Normal   | Interface for PSEC electronics with ART system                | Karen Hayrapetyan | 10/09/2015 01:06 PM |
| 8913  | ANNIE1-electronics-design | Task      | Assigned | Normal   | Send an ACDC + central card to QMUL                           | Matthew Wetstein  | 10/09/2015 01:09 PM |
| 10456 | ANNIE1-electronics-design | Task      | Resolved | Normal   | Test HV resiliance up to 3kV                                  | Jonathan Eisch    | 10/12/2015 02:40 PM |
| 8811  | ANNIE1-electronics-design | Task      | Resolved | Normal   | Figure out the data rates and size of output from the system  | Jonathan Eisch    | 10/22/2015 01:38 PM |
| 10442 | ANNIE1-electronics-design | Task      | Resolved | Normal   | Throughput testing for ADC cards                              | Jonathan Eisch    | 10/22/2015 01:40 PM |
| 10543 | ANNIE1-electronics-design | Task      | Resolved | Normal   | Check availability of local timing references                 | Jonathan Eisch    | 11/02/2015 01:31 PM |
| 11345 | ANNIE1-electronics-design | Task      | New      | Normal   | DAQ Serialisation   |                   | 01/05/2016 08:17 AM |
| 11347 | ANNIE1-electronics-design | Task      | New      | Normal   | DAQ monitoring system   | Benjamin Richards | 01/05/2016 08:21 AM |
| 11348 | ANNIE1-electronics-design | Task      | New      | Normal   | Postgress setup   |                   | 01/05/2016 08:22 AM |
| 10470 | ANNIE1-electronics-design | Task      | Resolved | Normal   | Machine pickoff/splitter enclosure                            | Jonathan Eisch    | 01/12/2016 03:05 PM |
| 10461 | ANNIE1-electronics-design | Task      | Resolved | Normal   | Full sized pickoff/splitter board population                  | Jonathan Eisch    | 01/12/2016 03:07 PM |
| 10457 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Design and build full sized pickoff/splitter board            | Jonathan Eisch    | 01/12/2016 03:07 PM |

| #     | Project                   | Tracker   | Status   | Priority | Subject  | Assignee          | Updated             |
|-------|---------------------------|-----------|----------|----------|--|-------------------|---------------------|
| 11351 | ANNIE1-electronics-design | Task      | Assigned | Normal   | DAQ output TOOL  | Benjamin Richards | 01/15/2016 08:03 AM |
| 11349 | ANNIE1-electronics-design | Task      | New      | High     | DAQ board reader TOOL  |                   | 01/15/2016 08:05 AM |
| 11342 | ANNIE1-electronics-design | Task      | Resolved | Normal   | DAQ ZMQ/multicast integration  | Benjamin Richards | 01/15/2016 08:07 AM |
| 11346 | ANNIE1-electronics-design | Task      | Resolved | Normal   | DAQ Control systems  | Benjamin Richards | 01/15/2016 08:07 AM |
| 11343 | ANNIE1-electronics-design | Task      | Resolved | Normal   | DAQ Bool functions /status reporting   | Benjamin Richards | 01/15/2016 08:08 AM |
| 11344 | ANNIE1-electronics-design | Task      | Resolved | Normal   | DAQ Jason (lite) messgae passing   | Benjamin Richards | 01/15/2016 08:09 AM |
| 8815  | ANNIE1-electronics-design | Task      | New      | Normal   | Final Decision on MRD and veto electronics                                   |                   | 04/06/2016 11:08 PM |
| 10510 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Mount pickoff/splitter pcb in enclosure, solder wires to bulkhead connectors | Jonathan Eisch    | 04/06/2016 11:09 PM |
| 10509 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Attach bulkhead connectors and pcb mounting hardware                         | Jonathan Eisch    | 04/06/2016 11:13 PM |
| 10468 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Pickoff/splitter enclosure production  | Jonathan Eisch    | 04/06/2016 11:13 PM |
| 10463 | ANNIE1-electronics-design | Task      | Assigned | Normal   | HV pickoff/splitter enclosure  | Jonathan Eisch    | 04/06/2016 11:13 PM |
| 10512 | ANNIE1-electronics-design | Task      | New      | Normal   | Test final pickoff/splitter  |                   | 04/06/2016 11:14 PM |
| 10449 | ANNIE1-electronics-design | Task      | Assigned | Normal   | HV pickoff & signal splitter   | Jonathan Eisch    | 04/06/2016 11:14 PM |
| 8812  | ANNIE1-electronics-design | Task      | Assigned | Normal   | Solidify Layout and number of crates channels for ANNIE RunI (Run II)        | Matthew Wetstein  | 04/06/2016 11:14 PM |
| 10440 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Externally trigger ADC cards   | Jonathan Eisch    | 01/25/2018 07:14 AM |
| 8813  | ANNIE1-electronics-design | Task      | Assigned | Normal   | Design for clock distribution and timing                                     | Jonathan Eisch    | 01/25/2018 07:15 AM |
| 10443 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Make readout methods (to be used by artdaq)                                  | Jonathan Eisch    | 01/25/2018 07:16 AM |
| 9089  | ANNIE1-electronics-design | Task      | Assigned | Normal   | UC ADC cards   | Jonathan Eisch    | 01/25/2018 07:16 AM |
| 10535 | ANNIE1-electronics-design | Task      | New      | Normal   | Select and buy a suitable GPS receiver                                       | Jonathan Eisch    | 01/25/2018 07:16 AM |
| 10534 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Determine GPS antenna location at ANNIE Hall                                 | Jonathan Eisch    | 01/25/2018 07:17 AM |
| 10533 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Determine the suitability of GPS timing reference                            | Jonathan Eisch    | 01/25/2018 07:17 AM |
| 10532 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Select timing sources  | Jonathan Eisch    | 01/25/2018 07:17 AM |
| 10530 | ANNIE1-electronics-design | Task      | Assigned | Normal   | Timing distribution system   | Jonathan Eisch    | 01/25/2018 07:17 AM |
| 8628  | ANNIE1-MCstudies          | Bug       | New      | Normal   | Optimization of acrylic volume   |                   | 05/06/2015 09:43 AM |
| 8627  | ANNIE1-MCstudies          | Task      | New      | Normal   | SciBooNE driven calculation of skyshine rates                                |                   | 06/04/2015 10:33 AM |
| 8623  | ANNIE1-MCstudies          | Task      | New      | Normal   | Geant-based estimate of beam neutron rates and energies                      |                   | 01/25/2018 07:22 AM |
| 8625  | ANNIE1-MCstudies          | Task      | New      | Normal   | Full MC model with 3D PMTs to study neutron tagging efficiencies             |                   | 01/25/2018 07:24 AM |
| 8855  | ANNIE1-mechanical-design  | Milestone | New      | Normal   | Design of veto structure   |                   | 08/05/2015 11:55 PM |

| #     | Project                  | Tracker   | Status | Priority | Subject   | Assignee         | Updated             |
|-------|--------------------------|-----------|--------|----------|---|------------------|---------------------|
| 8573  | ANNIE1-mechanical-design | Task      | New    | Normal   | Approval to purchase tank, from IA State Purchasing           |                  | 05/27/2015 07:54 AM |
| 8572  | ANNIE1-mechanical-design | Task      | New    | Urgent   | Fermilab approval for tank purchase                           |                  | 06/09/2015 02:01 AM |
| 8854  | ANNIE1-mechanical-design | Task      | New    | Normal   | Ship the muon veto structure                                  |                  | 08/05/2015 11:47 PM |
| 10171 | ANNIE1-mechanical-design | Task      | New    | Normal   | Follow up with Steve Dazeley                                  | Matthew Wetstein | 09/18/2015 12:59 PM |
| 8853  | ANNIE1-mechanical-design | Task      | New    | Normal   | Water system shipped to FNAL for storage                      |                  | 12/06/2015 10:24 AM |
| 10173 | ANNIE1-mechanical-design | Task      | New    | Normal   | Cost out plastic bag liner, get lead time                     | Matthew Wetstein | 12/06/2015 10:33 AM |
| 10175 | ANNIE1-mechanical-design | Task      | New    | Normal   | Design of access platform                                     | Carrie McGivern  | 12/06/2015 10:36 AM |
| 10176 | ANNIE1-mechanical-design | Task      | New    | Normal   | Design of inner structure                                     | Carrie McGivern  | 01/12/2016 02:31 AM |
| 10174 | ANNIE1-mechanical-design | Task      | New    | Normal   | Design of tank top  | Carrie McGivern  | 01/12/2016 02:32 AM |
| 10203 | ANNIE1-mechanical-design | Task      | New    | Normal   | Determine placement of water pump                             | Carrie McGivern  | 01/12/2016 02:33 AM |
| 11076 | ANNIE1-mechanical-design | Task      | New    | Normal   | Final decision on liner specs and estimate                    |                  | 01/12/2016 02:33 AM |
| 10170 | ANNIE1-mechanical-design | Task      | New    | Normal   | Cost out PVC for ANNIE Run I Plan (with plan B)               | Carrie McGivern  | 01/12/2016 02:34 AM |
| 10201 | ANNIE1-mechanical-design | Task      | New    | Normal   | Determine how structure and top will be lowered in ANNIE Hall | Carrie McGivern  | 01/19/2016 02:33 PM |
| 11092 | ANNIE1-mechanical-design | Task      | New    | Normal   | Finish design of PMT holders                                  |                  | 01/22/2016 08:51 AM |
| 8618  | ANNIE1-MRD-design        | Task      | New    | Normal   | Sign over stewardship of the MRD steel                        |                  | 06/05/2015 06:39 AM |
| 8615  | ANNIE1-MRD-design        | Task      | New    | Normal   | Arrange to get the Kansas/Syracuse PMTs and scintillator      |                  | 06/05/2015 06:42 AM |
| 8616  | ANNIE1-MRD-design        | Task      | New    | Normal   | Follow up on Fermilab PMTs/Scintillator                       |                  | 06/09/2015 02:02 AM |
| 8617  | ANNIE1-MRD-design        | Task      | New    | Normal   | Follow up with NMSU about keeping the MRD Scintillator        |                  | 12/18/2015 09:22 AM |
| 8630  | ANNIE1-Planning          | Meeting   | New    | Normal   | ANNIE Run 1 Electronics Review                                |                  | 05/06/2015 09:47 AM |
| 8629  | ANNIE1-Planning          | Meeting   | New    | Normal   | Run 1 Mechanical Review                                       |                  | 01/22/2016 08:51 AM |
| 8638  | ANNIE1-Planning          | Milestone | New    | Normal   | Complete TSW for ANNIE experiment                             |                  | 12/16/2015 11:56 PM |
| 8575  | ANNIE1-Planning          | Task      | New    | Normal   | Contact Stephen Geer about June PAC meeting                   |                  | 05/21/2015 10:07 AM |
| 8571  | ANNIE1-Staging           | Milestone | New    | High     | Tank Manufacture  |                  | 12/06/2015 11:38 AM |
| 11077 | ANNIE1-Staging           | Milestone | New    | Normal   | Liner: collab buy-in, place order                             |                  | 01/12/2016 02:32 AM |
| 11091 | ANNIE1-Staging           | Milestone | New    | Normal   | Prototype PMT holder  |                  | 04/06/2016 11:10 PM |
| 8633  | ANNIE1-Staging           | Task      | New    | Normal   | MRD + veto system testing                                     |                  | 04/06/2016 11:09 PM |
| 11100 | ANNIE1-Staging           | Task      | New    | Normal   | Cables for Forward Veto                                       |                  | 04/06/2016 11:09 PM |
| 8634  | ANNIE1-Staging           | Task      | New    | Normal   | Order materials for PMT structure                             |                  | 04/06/2016 11:09 PM |
| 8856  | ANNIE1-veto-installation | Milestone | New    | Normal   | Installation of Veto structure                                |                  | 12/06/2015 10:42 AM |
| 18928 | ANNIE2-Assembly          | Task      | New    | Normal   | Finish MRD Refurbishment                                      |                  | 02/09/2018 09:06 AM |
| 18929 | ANNIE2-Assembly          | Task      | New    | Normal   | Functional test of new MRD layers                             |                  | 02/09/2018 09:07 AM |
| 18930 | ANNIE2-Assembly          | Task      | New    | Normal   | In situ calibration of MRD layers                             |                  | 02/09/2018 09:07 AM |

| #     | Project                      | Tracker   | Status           | Priority | Subject   | Assignee         | Updated             |
|-------|------------------------------|-----------|------------------|----------|---|------------------|---------------------|
| 17916 | ANNIE2-electronics-design    | Bug       | New              | Normal   | readACDC after setConfig is all 0                               |                  | 10/31/2017 10:09 AM |
| 18934 | ANNIE2-electronics-design    | Milestone | New              | Normal   | Final crate and rack maps                                       |                  | 02/09/2018 09:15 AM |
| 18935 | ANNIE2-electronics-design    | Milestone | New              | Normal   | Rack protection plan  |                  | 02/09/2018 09:16 AM |
| 18936 | ANNIE2-electronics-design    | Milestone | New              | Normal   | Power distribution plan   |                  | 02/09/2018 09:16 AM |
| 18937 | ANNIE2-electronics-design    | Task      | New              | Normal   | Design the backboard for the LAPPD with ACDC connectors         |                  | 02/09/2018 09:31 AM |
| 18938 | ANNIE2-electronics-design    | Task      | New              | Normal   | Design for separate ACDC voltage regulator board                |                  | 02/09/2018 09:43 AM |
| 18931 | ANNIE2-electronics-readiness | Task      | New              | Normal   | Finish new ACDC-ACC interface firmware                          |                  | 02/09/2018 09:12 AM |
| 18932 | ANNIE2-electronics-readiness | Task      | New              | Normal   | Ethernet interface for ACC                                      |                  | 02/09/2018 09:13 AM |
| 18933 | ANNIE2-electronics-readiness | Task      | New              | Normal   | Firmware upgrades for KOTO boards (2 different trigger schemes) |                  | 02/09/2018 09:13 AM |
| 18557 | ANNIE2-mechanical-design     | Bug       | New              | Normal   | How to mount the WATCHMAN PMTs                                  |                  | 12/14/2017 01:09 PM |
| 18558 | ANNIE2-mechanical-design     | Bug       | New              | Normal   | How to mount the LUX PMTs on the bottom                         |                  | 01/25/2018 07:50 AM |
| 18559 | ANNIE2-mechanical-design     | Bug       | New              | Normal   | Holders and Mount Concepts for new 10" PMTs                     |                  | 01/25/2018 07:57 AM |
| 18554 | ANNIE2-mechanical-design     | Milestone | New              | Normal   | Decision about the tank top                                     | Matthew Wetstein | 01/25/2018 07:34 AM |
| 18555 | ANNIE2-mechanical-design     | Milestone | New              | High     | Top with or without square hatch                                | Matthew Wetstein | 01/25/2018 07:34 AM |
| 18941 | ANNIE2-mechanical-design     | Milestone | New              | Normal   | Final Review of the Tank Lid design                             |                  | 02/09/2018 09:48 AM |
| 18940 | ANNIE2-mechanical-design     | Milestone | Feedback         | Normal   | Identify black sheet material to wrap inner structure           | Emrah Tiras      | 02/09/2018 10:56 AM |
| 18939 | ANNIE2-mechanical-design     | Milestone | New              | Normal   | Identify new tank liner   |                  | 06/13/2018 01:30 AM |
| 18560 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Figure out how to optically isolate the inner volume            |                  | 12/14/2017 01:14 PM |
| 18567 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Finalize design of source calibration system                    |                  | 12/14/2017 01:33 PM |
| 18568 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Finalize design of transparency calibration system              |                  | 12/14/2017 01:34 PM |
| 18570 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Finalize experimental layout in the hall                        |                  | 12/14/2017 01:39 PM |
| 18556 | ANNIE2-mechanical-design     | Task      | New              | High     | Design of the new tank lid                                      |                  | 01/25/2018 07:34 AM |
| 18566 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Finalize design of timing calibration system                    |                  | 01/25/2018 07:39 AM |
| 18571 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Finalize design and layout of water system                      |                  | 01/25/2018 07:40 AM |
| 18573 | ANNIE2-mechanical-design     | Task      | Work in progress | Normal   | Gd-Safety and procedures (discussion with Angela)               | Emrah Tiras      | 02/09/2018 10:50 AM |
| 18561 | ANNIE2-mechanical-design     | Task      | Work in progress | Normal   | Write TSW   | Emrah Tiras      | 06/12/2018 09:18 AM |
| 18569 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Revise Specification Doc.                                       |                  | 06/12/2018 09:18 AM |
| 18565 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Final layout of new LAPPD housing                               |                  | 06/12/2018 09:19 AM |
| 18562 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Draft LAPPD mounting board design                               |                  | 06/12/2018 09:19 AM |
| 18564 | ANNIE2-mechanical-design     | Task      | New              | Normal   | Separate voltage regulators from ACDCs to separate board        |                  | 06/12/2018 09:20 AM |

| #     | Project                  | Tracker | Status    | Priority | Subject  | Assignee          | Updated             |
|-------|--------------------------|---------|-----------|----------|--|-------------------|---------------------|
| 18572 | ANNIE2-mechanical-design | Task    | New       | Normal   | Cleanliness and handling strategy  |                   | 06/12/2018 09:20 AM |
| 18553 | ANNIE2-mechanical-design | Task    | New       | High     | Finalize design concept of inner structure   | Matthew Wetstein  | 06/13/2018 01:28 AM |
| 20349 | ANNIE2-mechanical-design | Task    | Assigned  | Normal   | Magnetization of the tank  | Emrah Tiras       | 07/18/2018 01:37 PM |
| 23351 | Applications Group       | Idea    | New       | Normal   | Reimagining the Parameter Page   |                   | 09/30/2019 08:27 AM |
| 16639 | ArgoNeuT code            | Bug     | Resolved  | Normal   | ArgoNeuT uses the existing lifetime and temperature if query of database fails                         | Tingjun Yang      | 05/23/2017 07:49 PM |
| 9822  | art                      | Bug     | Accepted  | Normal   | Misleading diagnostics by art framework  |                   | 08/17/2015 12:11 PM |
| 11634 | art                      | Bug     | Remission | Normal   | Unexpected message from ROOT   |                   | 02/08/2016 11:21 AM |
| 12857 | art                      | Bug     | Remission | Normal   | Build-time dictionary checking has dangerous false positives   |                   | 06/06/2016 11:40 AM |
| 13274 | art                      | Bug     | Accepted  | Normal   | Some dead links in art wiki: ROOT schema evolution   |                   | 07/18/2016 11:24 AM |
| 13675 | art                      | Bug     | Accepted  | Normal   | messagefacility sqlite plugin test sporadic failure on OSX   |                   | 08/29/2016 11:35 AM |
| 16249 | art                      | Bug     | Accepted  | Normal   | building art on minsky.fnal.gov  |                   | 04/26/2017 11:34 AM |
| 909   | art                      | Bug     | Accepted  | Normal   | Event::getView should return false (per design) rather than throw in specified cases.                  |                   | 10/23/2017 12:12 PM |
| 1043  | art                      | Bug     | Accepted  | Normal   | art::getFileFormatVersion and art::getFileFormatEra should be renamed                                  |                   | 10/23/2017 12:12 PM |
| 3571  | art                      | Bug     | Accepted  | Low      | Message logger configuration   |                   | 10/23/2017 12:12 PM |
| 6303  | art                      | Bug     | Remission | Normal   | Event Mixer  | Christopher Green | 10/23/2017 12:12 PM |
| 7526  | art                      | Bug     | Feedback  | Normal   | Follow up on Parameter Set bloat   |                   | 10/23/2017 12:12 PM |
| 18305 | art                      | Bug     | Remission | Normal   | TimeTracker database output option sometimes causes exception  |                   | 12/06/2017 10:00 AM |
| 10833 | art                      | Bug     | Accepted  | Low      | Incorrect framing of information about an exception thrown in the beginRun callback of an art::Service |                   | 04/23/2018 10:51 AM |
| 19674 | art                      | Bug     | Feedback  | Normal   | make_tool does not check type  | Kyle Knoepfel     | 04/23/2018 11:29 AM |
| 21964 | art                      | Bug     | Accepted  | Normal   | Misleading output in case of exceptions  |                   | 02/25/2019 10:25 AM |
| 24925 | art                      | Bug     | Accepted  | Normal   | counter-intuitive behavior of the "drop on input"  |                   | 09/08/2020 12:38 PM |
| 25588 | art                      | Bug     | Resolved  | Normal   | trigger bit reassignment   | Kyle Knoepfel     | 04/06/2021 10:41 AM |
| 8426  | art                      | Feature | Accepted  | Normal   | Understand gradual memory growth and determine if it can be mitigated                                  |                   | 04/27/2015 11:46 AM |
| 8771  | art                      | Feature | Accepted  | Normal   | Implement parameter set configuration printout - task 3b of issue #7538                                |                   | 06/01/2015 11:24 AM |
| 9999  | art                      | Feature | Accepted  | Normal   | objects and associated metadata in a single vector of pairs  |                   | 09/08/2015 03:50 PM |
| 10410 | art                      | Feature | Feedback  | Low      | Request option for first-match-in-LD_LIBRARY_PATH for resolving art plugins                            |                   | 10/19/2015 12:53 PM |
| 11035 | art                      | Feature | Accepted  | Normal   | art producer module in python  |                   | 12/07/2015 11:43 AM |

| #     | Project | Tracker | Status   | Priority | Subject  | Assignee          | Updated             |
|-------|---------|---------|----------|----------|--|-------------------|---------------------|
| 11036 | art     | Feature | Accepted | Normal   | multidimensional array support in NTuple product                                 |                   | 12/07/2015 11:43 AM |
| 11156 | art     | Feature | Accepted | Low      | Suggestions to update the fhicl documentation                                    |                   | 12/21/2015 11:21 AM |
| 11839 | art     | Feature | Feedback | Normal   | Add respondToOpenInputFile method to ResultsProducer                             |                   | 03/03/2016 03:21 PM |
| 13050 | art     | Feature | Accepted | Normal   | Request a new variant of T* TFileDirectory::makeAndRegister<T>                   |                   | 06/27/2016 12:17 PM |
| 10750 | art     | Feature | Feedback | Normal   | lazy loading of the parameter set database                                       |                   | 08/29/2016 04:21 PM |
| 15393 | art     | Feature | Accepted | Normal   | Make available the CMS static analysis tools                                     |                   | 02/06/2017 11:19 AM |
| 15394 | art     | Feature | Accepted | Normal   | Make cetbuilttools run the static analysis tools                                 |                   | 02/06/2017 11:19 AM |
| 11355 | art     | Feature | Feedback | Normal   | Support for a very different sort of secondary input ...                         | Christopher Green | 02/06/2017 11:40 AM |
| 15785 | art     | Feature | Accepted | Low      | Provide hints for "obvious" typo's in FHiCL parameter names                      |                   | 03/13/2017 11:37 AM |
| 16342 | art     | Feature | Accepted | Normal   | Facility to convert fhicl::ParameterSets from art/ROOT file to Python dictionary |                   | 05/01/2017 11:51 AM |
| 16354 | art     | Feature | Accepted | Normal   | Check that duplicate events are not processed for an art job                     |                   | 05/01/2017 11:55 AM |
| 1214  | art     | Feature | Assigned | Normal   | Ptr to Run or SubRun product   | Kyle Knoepfel     | 07/05/2017 05:41 PM |
| 943   | art     | Feature | Accepted | Normal   | Document in-use parameters for all framework code.                               |                   | 10/23/2017 12:12 PM |
| 956   | art     | Feature | Accepted | Normal   | Testing of signal emission is needed   |                   | 10/23/2017 12:12 PM |
| 1246  | art     | Feature | Accepted | Normal   | Reco on demand not finding products in the file                                  |                   | 10/23/2017 12:12 PM |
| 1316  | art     | Feature | Feedback | Normal   | Snapshot histogram file  |                   | 10/23/2017 12:12 PM |
| 1759  | art     | Feature | Accepted | Normal   | Periodic refreshing of histogram files   |                   | 10/23/2017 12:12 PM |
| 1918  | art     | Feature | Accepted | Normal   | Thinking ahead to event mixing and art::Ptr to run product                       |                   | 10/23/2017 12:12 PM |
| 2943  | art     | Feature | Feedback | Normal   | ResourceWatch utility  |                   | 10/23/2017 12:12 PM |
| 3068  | art     | Feature | Accepted | Normal   | PtrVectorBase custom streamer could be made more efficient.                      |                   | 10/23/2017 12:12 PM |
| 3629  | art     | Feature | Accepted | Normal   | Metadata retained for pure transient data products?                              |                   | 10/23/2017 12:12 PM |
| 4187  | art     | Feature | Accepted | Normal   | Reading in metadata from input files   |                   | 10/23/2017 12:12 PM |
| 4704  | art     | Feature | Accepted | Normal   | Command line facility to insert arbitrary configuration items.                   |                   | 10/23/2017 12:12 PM |
| 4907  | art     | Feature | Feedback | Normal   | Provide Run::isRealData() and SubRun::isRealData()                               |                   | 10/23/2017 12:12 PM |
| 4916  | art     | Feature | Feedback | Normal   | Implement SelectRuns and SelectSubRuns   |                   | 10/23/2017 12:12 PM |
| 5775  | art     | Feature | Feedback | Normal   | Support for arbitrary, random-file access  |                   | 10/23/2017 12:12 PM |
| 5790  | art     | Feature | Feedback | Normal   | It should be possible to discover the art metadata for an object.                |                   | 10/23/2017 12:12 PM |
| 5795  | art     | Feature | Feedback | Normal   | code version control provenance  |                   | 10/23/2017 12:12 PM |
| 6387  | art     | Feature | Feedback | Normal   | Provide versioning API in art_Framework_Core instead of art_Version              |                   | 10/23/2017 12:12 PM |
| 7029  | art     | Feature | Accepted | Normal   | Use one consistent unit test framework for Art                                   |                   | 10/23/2017 12:12 PM |
| 7177  | art     | Feature | Accepted | Low      | service and module testing utilities   |                   | 10/23/2017 12:12 PM |

| #     | Project | Tracker | Status           | Priority | Subject  | Assignee          | Updated             |
|-------|---------|---------|------------------|----------|--|-------------------|---------------------|
| 7303  | art     | Feature | Assigned         | Normal   | Specifying one metadata parameter on the command-line makes the rest mandatory                   | Kyle Knoepfel     | 10/23/2017 12:12 PM |
| 7662  | art     | Feature | Feedback         | Normal   | Allow absolute include paths in fcls   |                   | 10/23/2017 12:12 PM |
| 8845  | art     | Feature | Accepted         | Normal   | Limited support for analyzers in Python  |                   | 10/23/2017 12:12 PM |
| 18152 | art     | Feature | Assigned         | Normal   | Have FileDumperOutput output into messagefacility streams  | Christopher Green | 11/20/2017 11:28 AM |
| 18628 | art     | Feature | Feedback         | Normal   | expand Results concept   |                   | 01/25/2018 09:30 AM |
| 18973 | art     | Feature | Accepted         | Normal   | Update cetskelgen to use fhicl validation  |                   | 02/12/2018 12:22 PM |
| 19306 | art     | Feature | Accepted         | Normal   | create Ptr to product  |                   | 03/12/2018 11:47 AM |
| 8846  | art     | Feature | Accepted         | Normal   | Support for handling branch aliases  |                   | 04/23/2018 10:51 AM |
| 11026 | art     | Feature | Accepted         | Normal   | Tuple product support  |                   | 04/23/2018 10:51 AM |
| 11033 | art     | Feature | Accepted         | Normal   | art module in Python   |                   | 04/23/2018 10:51 AM |
| 15894 | art     | Feature | Under Discussion | Normal   | Support RangeSet calculation and use per-schedule and across schedules                           |                   | 05/18/2018 02:55 PM |
| 15387 | art     | Feature | Accepted         | Normal   | Put context information into messagefacility messages  |                   | 05/18/2018 02:57 PM |
| 15388 | art     | Feature | Accepted         | Normal   | Put context information into exceptions in the places where framework code intercepts them       |                   | 05/18/2018 02:58 PM |
| 15382 | art     | Feature | Accepted         | Normal   | Introduce thread-pause signaling for debugging   |                   | 05/18/2018 03:08 PM |
| 19994 | art     | Feature | Accepted         | Normal   | art multi-threading phase 2  |                   | 05/21/2018 10:33 AM |
| 19842 | art     | Feature | Assigned         | Normal   | Relax restrictions for plugin types in print-description and print-available                     | Kyle Knoepfel     | 07/24/2018 03:47 PM |
| 20772 | art     | Feature | Under Discussion | Normal   | Inherit Configuration from Provenance  |                   | 09/08/2018 04:55 PM |
| 21412 | art     | Feature | Accepted         | Normal   | Enable product-mixing to read from multiple secondary input files per primary event              |                   | 11/20/2018 01:57 PM |
| 22357 | art     | Feature | Accepted         | Low      | Allow a placeholder for main FHiCL configuration name in output files (RootOutput, TFileService) |                   | 04/15/2019 10:26 AM |
| 22225 | art     | Feature | Under Discussion | Normal   | Request to add a file index offset to PostCloseFileRenamer                                       |                   | 05/17/2019 11:45 AM |
| 17407 | art     | Feature | Accepted         | Normal   | Configuration description of module  |                   | 09/17/2019 02:16 PM |
| 23582 | art     | Feature | Under Discussion | Normal   | Allow source modules to use random number engines from the RandomNumberGenerator service.        |                   | 11/13/2019 08:21 AM |
| 1000  | art     | Feature | Assigned         | Normal   | Run/event range  |                   | 12/03/2019 12:41 PM |
| 7081  | art     | Feature | Assigned         | Normal   | SAM Process ID in metadata   |                   | 12/03/2019 12:41 PM |
| 8271  | art     | Feature | Assigned         | Normal   | Better diagnostics for ProductNotFound with multiple paths                                       |                   | 12/03/2019 12:41 PM |
| 13610 | art     | Feature | Assigned         | Normal   | Update schema evolution wiki page  |                   | 12/03/2019 12:41 PM |

| #     | Project | Tracker | Status           | Priority | Subject   | Assignee          | Updated             |
|-------|---------|---------|------------------|----------|---|-------------------|---------------------|
| 16126 | art     | Feature | Accepted         | Normal   | Update Allinea Wiki Page With More Useful Documentation                                     |                   | 12/03/2019 12:41 PM |
| 16706 | art     | Feature | Accepted         | Normal   | Request additional output from EventIDFilter  |                   | 12/03/2019 12:41 PM |
| 17056 | art     | Feature | Assigned         | Normal   | Add art command line option -fpe to turn on floating point exceptions by default.           |                   | 12/03/2019 12:41 PM |
| 17098 | art     | Feature | Assigned         | Low      | Support the retrieval of a data product from a product ID in gallery::Event                 |                   | 12/03/2019 12:41 PM |
| 23925 | art     | Feature | Under Discussion | Normal   | Event resampling support  |                   | 02/03/2020 10:27 AM |
| 24109 | art     | Feature | Assigned         | Normal   | add include-what-you-use to clang build   | Christopher Green | 03/09/2020 10:26 AM |
| 25551 | art     | Feature | Under Discussion | Normal   | art_root_io/RootDB actually belongs to canvas_root_io                                       |                   | 02/24/2021 09:31 AM |
| 24721 | art     | Feature | Feedback         | Normal   | Event Mixing and Run-level Data Products  | Kyle Knoepfel     | 03/10/2021 10:07 AM |
| 24918 | art     | Feature | Resolved         | Normal   | make "trigger_paths" a non-dense array  | Kyle Knoepfel     | 04/06/2021 10:56 AM |
| 23801 | art     | Feature | Feedback         | Normal   | Request to extend TriggerNameServices to read names from previous jobs                      | Kyle Knoepfel     | 04/08/2021 03:09 PM |
| 15546 | art     | Support | Assigned         | Normal   | cetskelgen help should have one or two complete command line examples                       | Christopher Green | 02/20/2017 11:19 AM |
| 7580  | art     | Support | Feedback         | Low      | Can't debug with the debug builds of art and externals on Mac OSX                           |                   | 10/23/2017 12:12 PM |
| 19846 | art     | Support | Work in progress | Normal   | Issues with events coming from different art histories in artdaq                            |                   | 05/14/2018 10:21 AM |
| 21385 | art     | Support | Assigned         | Normal   | Art Module Design wiki section is significantly out of date.                                | Kyle Knoepfel     | 11/19/2018 10:39 AM |
| 21386 | art     | Support | Assigned         | Normal   | Documentation is insufficient for `consumes`.   | Kyle Knoepfel     | 12/03/2018 10:24 AM |
| 23935 | art     | Support | Assigned         | Normal   | Support creation of artdaq input source for combining serialized art Events                 | Kyle Knoepfel     | 02/03/2020 10:27 AM |
| 24050 | art     | Support | Assigned         | Normal   | Documentation on art::TriggerResults_TriggerResults__<process name> Event branch            | Kyle Knoepfel     | 06/25/2020 02:14 PM |
| 24709 | art     | Support | Work in progress | Normal   | art should not hook the ROOT error mechanism (or should provide a way for users to opt-out) |                   | 08/17/2020 10:26 AM |
| 19599 | art     | Support | Feedback         | Normal   | art job influenced by random files  |                   | 09/02/2020 09:11 AM |
| 25685 | art     | Support | Feedback         | Normal   | Exercise 1: Running Pre-built art Modules version error                                     | Kyle Knoepfel     | 04/12/2021 10:39 AM |
| 15169 | art     | Idea    | Accepted         | Normal   | Support splitting data products by schema evolution   |                   | 01/23/2017 11:20 AM |
| 15618 | art     | Idea    | Accepted         | Normal   | Support for reading secondary input files in a special scenario                             |                   | 03/13/2017 02:15 PM |
| 918   | art     | Idea    | Accepted         | Normal   | Add architecture-specific capture of call stack at time of construction of cet::exception.  |                   | 10/23/2017 12:12 PM |
| 18942 | art     | Idea    | Feedback         | Low      | Possible way around SIP and allowing use of DYLD_LIBRARY_PATH on macOS?                     |                   | 05/21/2018 05:41 AM |

| #     | Project | Tracker               | Status   | Priority | Subject  | Assignee     | Updated             |
|-------|---------|-----------------------|----------|----------|--|--------------|---------------------|
| 916   | art     | Milestone             | Accepted | Normal   | Make a note in the cet-is Wiki on detail namespace / header / source file subdirectory.                    |              | 10/23/2017 12:12 PM |
| 942   | art     | Milestone             | Accepted | Normal   | Design mechanism for library versioning and consistency checks   |              | 10/23/2017 12:12 PM |
| 1075  | art     | Milestone             | Accepted | Normal   | Post on the tutorial web site some documentation for FileDumper  |              | 10/23/2017 12:12 PM |
| 1091  | art     | Milestone             | Accepted | Normal   | Review all signal emission in the light of sentry considerations and exception safety.                     |              | 10/23/2017 12:12 PM |
| 1144  | art     | Milestone             | Accepted | Normal   | Defining categories for the error logger   |              | 10/23/2017 12:12 PM |
| 17084 | art     | Necessary Maintenance | Accepted | Low      | Documentation of messagefacility on Redmine wiki is very outdated  |              | 07/05/2017 11:56 AM |
| 897   | art     | Necessary Maintenance | Accepted | Normal   | Institute validation tests for an installed art package.   |              | 10/23/2017 12:12 PM |
| 907   | art     | Necessary Maintenance | Accepted | Normal   | Review and rationalize use of exceptions across art.   |              | 10/23/2017 12:12 PM |
| 908   | art     | Necessary Maintenance | Accepted | Normal   | Review structure, code and other aspects of cpp0x and cetlib   |              | 10/23/2017 12:12 PM |
| 910   | art     | Necessary Maintenance | Accepted | Normal   | Investigate whether Event::fillView_ should use reflex_cast (or its replacement) instead of static_cast.   |              | 10/23/2017 12:12 PM |
| 917   | art     | Necessary Maintenance | Accepted | Normal   | Make FHICL language document pretty.   |              | 10/23/2017 12:12 PM |
| 946   | art     | Necessary Maintenance | Accepted | Normal   | Review and provide precise definitions of each signal watchpoint.  |              | 10/23/2017 12:12 PM |
| 974   | art     | Necessary Maintenance | Accepted | Normal   | Review non-running legacy tests to see if they are worth porting or should be removed.                     |              | 10/23/2017 12:12 PM |
| 1026  | art     | Necessary Maintenance | Accepted | Normal   | Duplicated code for branch name element verification   |              | 10/23/2017 12:12 PM |
| 1197  | art     | Necessary Maintenance | Accepted | Normal   | Unit / regression tests for RootInput random access.   |              | 10/23/2017 12:12 PM |
| 4075  | art     | Necessary Maintenance | Accepted | Normal   | Without much effort, the framework can be made to support per-module action tables for exception handling. |              | 10/23/2017 12:12 PM |
| 4459  | art     | Necessary Maintenance | Accepted | Normal   | Signal handling should be reviewed to ensure that signals are always handled by the correct thread.        |              | 10/23/2017 12:12 PM |
| 6679  | art     | Necessary Maintenance | Accepted | Normal   | ParameterSetRegistry DBs should have primary key as blob rather than armored hex.                          |              | 10/23/2017 12:12 PM |
| 6681  | art     | Necessary Maintenance | Accepted | Normal   | ParameterSetRegistry should use a tailored hash function   |              | 10/23/2017 12:12 PM |
| 8178  | art     | Necessary Maintenance | Accepted | Low      | Testing of drop on input needs improvement   |              | 10/23/2017 12:12 PM |
| 18018 | art     | Necessary Maintenance | Assigned | Normal   | Get dCache space accessible through xrootd   | Marc Paterno | 02/16/2018 11:53 AM |

| #     | Project | Tracker               | Status           | Priority | Subject   | Assignee          | Updated             |
|-------|---------|-----------------------|------------------|----------|---|-------------------|---------------------|
| 18792 | art     | Necessary Maintenance | Resolved         | Normal   | Determine which products to test for backwards compatibility  | Marc Paterno      | 02/16/2018 12:04 PM |
| 19013 | art     | Necessary Maintenance | Accepted         | Normal   | Implement tests for ensuring backwards compatibility  |                   | 02/19/2018 11:26 AM |
| 19010 | art     | Necessary Maintenance | Accepted         | Normal   | Producer for testing backwards compatibility  |                   | 02/19/2018 11:26 AM |
| 19011 | art     | Necessary Maintenance | Accepted         | Normal   | Analyzer for testing backwards compatibility  |                   | 02/19/2018 11:26 AM |
| 19012 | art     | Necessary Maintenance | Accepted         | Normal   | Implement testing procedure for ensuring backwards compatibility  |                   | 02/19/2018 11:26 AM |
| 25578 | art     | Necessary Maintenance | Accepted         | Normal   | Make TFileDirectory::mkdir() const?   |                   | 03/08/2021 10:22 AM |
| 13188 | art_ci  | Feature               | Assigned         | Normal   | Documentation for the Art-CI  | Vito Di Benedetto | 12/04/2017 05:38 PM |
| 5980  | artdaq  | Bug                   | New              | Normal   | The Aggregator runs slower when event grouping is enabled   |                   | 01/13/2017 04:37 PM |
| 20278 | artdaq  | Bug                   | Assigned         | Normal   | Dispatcher fails to receive any events in low-rate situations   | Eric Flumerfelt   | 07/05/2018 12:30 PM |
| 20335 | artdaq  | Bug                   | New              | Normal   | BoardReader intermittent crash at endrun  |                   | 07/18/2018 08:29 AM |
| 20331 | artdaq  | Bug                   | Resolved         | Normal   | Issue du jour #3 at protoDUNE, 17-Jul-2018: we can't run EBs and DLs on separate computers  |                   | 07/18/2018 11:51 AM |
| 20329 | artdaq  | Bug                   | Resolved         | Normal   | Issue du jour #1 at protoDUNE, 17-Jul-2018: including the dispatcher prevents data from flowing                                   |                   | 07/18/2018 11:56 AM |
| 20363 | artdaq  | Bug                   | New              | Normal   | EventRate and EventSize metrics don't update in EB/DL when dataflow stops   |                   | 07/19/2018 03:18 AM |
| 20367 | artdaq  | Bug                   | New              | Low      | zero length core file on terminate  |                   | 07/19/2018 11:03 AM |
| 20373 | artdaq  | Bug                   | New              | Normal   | SBND VST - subrun change from fragment generator not working  |                   | 07/23/2018 03:34 PM |
| 20332 | artdaq  | Bug                   | Remission        | Normal   | Issue du jour #4 at protoDUNE, 17-Jul-2018: EB crashing at start of triggers  |                   | 07/23/2018 03:45 PM |
| 20348 | artdaq  | Bug                   | Work in progress | Low      | OnlineMonitoring reports timeouts while reading events from Dispatcher.   |                   | 07/23/2018 03:58 PM |
| 20404 | artdaq  | Bug                   | New              | Low      | EventBuilders stop dataflow when there is a configured rootNetOutput module, but no Dispatcher running                            |                   | 07/23/2018 04:14 PM |
| 20385 | artdaq  | Bug                   | New              | Low      | run_demo.sh gets inconsistent results for the DAQInterface port when someone else is running the demo on mu2eddaq01               |                   | 07/23/2018 09:11 PM |
| 20383 | artdaq  | Bug                   | New              | Low      | NetMonOutput (?) should consider an empty destinations block, as well as nonblocking_sends:true when considering whether to block |                   | 07/23/2018 09:12 PM |
| 20386 | artdaq  | Bug                   | New              | Low      | run_demo (and presumably just_do_it) should not continue when there is a configuration error                                      |                   | 07/23/2018 09:13 PM |
| 20366 | artdaq  | Bug                   | New              | Low      | Notes from protoDUNE Slack channel, 19-Jul-2018   |                   | 07/23/2018 09:16 PM |

| #     | Project | Tracker | Status   | Priority | Subject   | Assignee | Updated             |
|-------|---------|---------|----------|----------|---|----------|---------------------|
| 20398 | artdaq  | Bug     | New      | Low      | Error messages say that "use_data_thread" needs to be set, when in fact the parameter is named "separate_data_thread"                         |          | 07/23/2018 09:16 PM |
| 20347 | artdaq  | Bug     | New      | Low      | Dispatcher connection issues can prevent data from flowing in upstream parts of the system  |          | 07/23/2018 09:19 PM |
| 20431 | artdaq  | Bug     | New      | Low      | {art-related} When writing data from EventBuilders and both maxRuns and maxSubRuns are set to 1, we get an extra file from each EB at end-run |          | 07/24/2018 02:37 PM |
| 20433 | artdaq  | Bug     | New      | Low      | When I accidentally try to import a configuration from a subdirectory, I get an extra schema.fcl file in that subdirectory                    |          | 07/24/2018 03:03 PM |
| 20387 | artdaq  | Bug     | New      | Low      | Something set all of my requested trace levels to zero  |          | 07/25/2018 04:12 PM |
| 20334 | artdaq  | Bug     | Resolved | Normal   | EB crash at protoDUNE   |          | 07/26/2018 11:17 AM |
| 20346 | artdaq  | Bug     | New      | Low      | Failed to connect to shared memory segment with key 0xcee70001  |          | 08/01/2018 02:22 PM |

...