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
23602	ACNET Service	Feature	New	Normal	ACNETD Local Config for Nodes	Beau Harrison	11/14/2019 11:24 AM
24568	ACNET Service	Feature	New	Normal	Add local IP lookup to acnetd.	Richard Neswold	06/26/2020 11:50 AM
12735	ACNET Service	Feature	Assigned	Normal	Add support for large messages	Richard Neswold	03/18/2020 10:10 AM
22352	ACNET Service	Feature	New	Normal	Change Javascript client library to use worker thread	Richard Neswold	04/10/2019 11:49 AM
22708	ACNET Service	Support	Assigned	Normal	Erlang library needs to be updated	Richard Neswold	06/10/2019 02:37 PM
16707	ACNET Service	Feature	New	Normal	Find an alternate to 'nodesd'		05/30/2017 10:53 AM
18084	ACNET Service	Support	Assigned	Low	Fix warnings in acnet.erl	Richard Neswold	10/31/2017 03:12 PM
20698	ACNET Service	Feature	New	Normal	Large Messages: Support the client API	Richard Neswold	08/28/2018 02:20 PM
20824	ACNET Service	Support	New	Normal	Make task ID unique	Richard Neswold	09/12/2018 04:18 PM
15180	ACNET Service	Feature	New	Normal	Need an easy way to kill TCP clients' connections		01/18/2017 10:39 AM
24370	ACNET Service	Bug	New	Normal	Python None Type Comparison	Charles King	05/01/2020 11:23 AM
20689	ACNET Service	Feature	Assigned	Normal	Remove byte-swapping from acnetd	Richard Neswold	02/13/2019 01:45 PM
20111	AD Controls Department	Feature	Work in progress	Normal	Add clock type to event specification		06/07/2018 10:44 AM
24156	AD Controls Department	Bug	New	Normal	Bursts of State Changes		03/09/2020 04:55 PM
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
21841	AD ESH Department, Interlocks Group	Necessary Maintenance	New	Urgent	LEPR Upgrade		02/05/2019 09:17 AM
21853	AD ESH Department, Interlocks Group	Feature	New	Normal	OPC-UA Client		02/06/2019 10:03 AM
21838	AD ESH Department, Interlocks Group	Idea	New	Normal	Remove Shared Memory Model		02/05/2019 08:34 AM
21842	AD ESH Department, Interlocks Group	Feature	New	Normal	RS-485 Protocol		02/06/2019 10:03 AM
21836	AD ESH Department, Interlocks Group	Necessary Maintenance	New	High	Scientific Linux 6 End of Life		02/05/2019 08:26 AM
21852	AD ESH Department, Interlocks Group	Feature	New	Normal	SVG to ApeMan		02/06/2019 09:55 AM
21843	AD ESH Department, Interlocks Group	Task	New	Normal	Understand AART Code	Beau Harrison	02/05/2019 09:09 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
21840	AD ESH Department, Interlocks Group	Feature	New	Normal	Unified LEPR/PLC Protocol		02/05/2019 08:42 AM
21839	AD ESH Department, Interlocks Group	Support	New	Normal	XWindows Support is Fading		02/05/2019 08:37 AM
17729	adinstbpm	Task	Work in progress	Normal	ACNET device BPM Average Position (Snapshot) Orbit (0x0014)	John Diamond	10/19/2017 02:53 PM
17731	adinstbpm	Task	Resolved	Normal	ACNET device BPM Closed Orbit Circular Buffer (0x0010)	John Diamond	10/18/2017 08:14 PM
17723	adinstbpm	Task	Resolved	Normal	ACNET device BPM Digitizer Raw Data (0x0013)	John Diamond	10/18/2017 08:18 PM
17721	adinstbpm	Task	Work in progress	Normal	ACNET device BPM Numbers (0x0017)	John Diamond	11/10/2017 08:54 AM
17722	adinstbpm	Task	Resolved	Normal	ACNET device BPM Offsets (0x0016)	John Diamond	10/18/2017 08:17 PM
17734	adinstbpm	Task	Work in progress	Normal	ACNET device BPM Orbit Correction Device (0x0022)	John Diamond	11/14/2017 04:07 PM
17730	adinstbpm	Task	Work in progress	Normal	ACNET device BPM Orbit Group (0x001e)	John Diamond	10/19/2017 03:18 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
17727	adinstbpm	Task	Resolved	Normal	ACNET device BPM Turn-by-Turn Extra Inputs	John Diamond	10/18/2017 07:45 PM
17724	adinstbpm	Task	Work in progress	Normal	ACNET device BPM Turn-by-Turn Scaled Positon	John Diamond	10/19/2017 02:40 PM
20522	adinstbpm	Task	Assigned	Normal	ACNET device for Arming IOTA BPMs	Elliott McCrory	08/31/2018 01:55 PM
20038	adinstbpm	Task	Assigned	Normal	ACNET interface for adjusting TSG and ADC channel delays	Elliott McCrory	05/29/2018 03:04 PM
20354	adinstbpm	Task	Resolved	Normal	Adapter for IOTA DAQ module	John Diamond	07/26/2018 11:36 AM
20353	adinstbpm	Task	Work in progress	Normal	Adapter for NML timing module	John Diamond	07/20/2018 09:33 AM
17720	adinstbpm	Task	Work in progress	Normal	Booster BPM ACNET Interface	John Diamond	11/14/2017 04:07 PM
20540	adinstbpm	Milestone	New	Normal	Booster BPM deployment	John Diamond	08/28/2018 09:29 PM
17935	adinstbpm	Task	Work in progress	Normal	Booster BPM State Machine	John Diamond	11/09/2017 03:09 PM
17719	adinstbpm	Milestone	New	Normal	Booster operational test of one crate alongside existing BPM system		12/29/2017 11:08 AM
18132	adinstbpm	Task	Work in progress	Normal	bpmcli commands for enabling/disabling state machine	John Diamond	11/09/2017 03:09 PM
18636	adinstbpm	Feature	Assigned	Normal	bpmcli command to reload bpmd.conf	John Diamond	12/29/2017 11:08 AM
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

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17737	adinstbpm	Task	Work in progress	Normal	bpmd error facility	John Diamond	10/20/2017 01:56 PM
19850	adinstbpm	Milestone	New	Normal	BPM Diagnostics Application		05/02/2018 09:28 AM
20551	adinstbpm	Task	New	Normal	BPM-level delay configuration		08/07/2018 02:38 PM
20693	adinstbpm	Task	Resolved	Normal	Change node name for all BBPM06 devices	John Diamond	08/28/2018 10:02 AM
20703	adinstbpm	Task	Resolved	Normal	Change node name for all BBPM12 devices	John Diamond	08/28/2018 06:37 PM
20683	adinstbpm	Task	Resolved	Normal	Change node name for all BBPM15 devices	John Diamond	08/28/2018 10:01 AM
20704	adinstbpm	Task	Resolved	Normal	Change node name for all BBPM18 devices	John Diamond	08/28/2018 08:05 PM
20694	adinstbpm	Task	Resolved	Normal	Change node name for all BBPM21 devices	John Diamond	08/28/2018 12:11 PM
20705	adinstbpm	Task	Resolved	Normal	Change node name for all BBPM24 devices	John Diamond	08/28/2018 09:29 PM
18151	adinstbpm	Task	Work in progress	Normal	Configure BPMs for test stand at Booster location 21	John Diamond	11/08/2017 01:41 PM
20473	adinstbpm	Bug	Resolved	Normal	Control message queue is not destroyed on shutdown	John Diamond	07/28/2018 08:27 PM
19608	adinstbpm	Task	Work in progress	Normal	Crate status and control device	Elliott McCrory	10/17/2018 10:57 AM
17974	adinstbpm	Task	Resolved	Normal	Create ACNET devices for B38 and B40	John Diamond	11/10/2017 02:54 PM
20483	adinstbpm	Task	Resolved	Normal	Create separate "stable" branches for Booster and IOTA BPMs	John Diamond	07/30/2018 03:21 PM
20355	adinstbpm	Milestone	New	Normal	Deploy IOTA BPM hardware		08/22/2018 09:28 PM
18009	adinstbpm	Task	Resolved	Normal	Driver for Booster BPM transition board	John Diamond	10/23/2017 03:57 PM
20474	adinstbpm	Task	Resolved	Normal	Enter BPMs into bpmd.conf	John Diamond	07/28/2018 07:52 AM
20437	adinstbpm	Task	Assigned	Normal	Functional specification document	John Diamond	07/24/2018 04:14 PM
20541	adinstbpm	Task	Work in progress	Normal	Gather crate and CPU MAC addresses for ethernet connections	John Diamond	08/06/2018 11:49 AM
18149	adinstbpm	Task	Resolved	Normal	Implement Booster BPM scaling	John Diamond	11/08/2017 04:46 PM
18324	adinstbpm	Task	Resolved	Normal	Implement polynomial scaling	John Diamond	11/17/2017 02:40 PM
17998	adinstbpm	Milestone	New	Normal	Improvements to bpmcli	John Diamond	11/07/2017 09:25 AM
22550	adinstbpm	Milestone	New	Normal	Interactive bpmcli	John Diamond	05/08/2019 02:55 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
20520	adinstbpm	Task	Assigned	Normal	IOTA BPM TBT Array Device	Elliott McCrory	10/16/2018 11:16 AM
20377	adinstbpm	Task	Resolved	Normal	IOTA State Machine	John Diamond	08/22/2018 09:30 PM
22498	adinstbpm	Milestone	New	Normal	IPC to broadcast events from bpmd	John Diamond	05/08/2019 02:53 PM
17844	adinstbpm	Task	Resolved	Normal	Locking mechanism for shared memory objects	John Diamond	10/10/2017 01:40 PM
22549	adinstbpm	Task	New	Normal	Merge iota_stable, booster_stable	John Diamond	05/08/2019 02:53 PM

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24143	adinstbpm	Bug	New	Normal	Missing Mutual Exclusion with linked list internals	Robert Santucci	03/06/2020 11:47 AM
18055	adinstbpm	Task	Resolved	Normal	No beam threshold	John Diamond	10/29/2017 09:58 AM
20664	adinstbpm	Task	Work in progress	Normal	Orbit structure device for IOTA BPMs	Elliott McCrory	10/17/2018 10:53 AM
22493	adinstbpm	Milestone	New	Normal	PIP2IT BPM Project		12/10/2019 08:00 AM
22497	adinstbpm	Task	New	Normal	Position calculation thread	Elliott McCrory	05/08/2019 02:52 PM
22500	adinstbpm	Milestone	New	Normal	Python API for accessing BPM data	Elliott McCrory	05/08/2019 02:51 PM
18044	adinstbpm	Task	Resolved	Normal	Refactor bpmcli 'abort' command to be a CLICommand	John Diamond	10/30/2017 03:21 PM
18045	adinstbpm	Task	Resolved	Normal	Refactor bpmcli 'arm' command to be a CLICommand	John Diamond	10/30/2017 09:51 AM
18046	adinstbpm	Task	New	Normal	Refactor bpmcli 'dump_flash_history' command to be a CLICommand		10/26/2017 04:23 PM
18047	adinstbpm	Task	New	Normal	Refactor bpmcli 'help' command to be a CLICommand		10/26/2017 04:24 PM
18048	adinstbpm	Task	Resolved	Normal	Refactor bpmcli 'readout' command to be a CLICommand	John Diamond	10/30/2017 02:03 PM
18049	adinstbpm	Task	Resolved	Normal	Refactor bpmcli 'show' command to be a CLICommand	John Diamond	11/07/2017 09:25 AM
18050	adinstbpm	Task	Resolved	Normal	Refactor bpmcli 'shutdown' command to be a CLICommand	John Diamond	10/30/2017 03:05 PM
22495	adinstbpm	Task	New	Normal	Refactor to store positions inside of Readings	Elliott McCrory	05/08/2019 02:52 PM
17999	adinstbpm	Task	Resolved	Normal	Refactor to use getopt	John Diamond	10/26/2017 04:22 PM
20358	adinstbpm	Task	Resolved	Normal	Request ACNET node assignment	John Diamond	07/31/2018 11:32 AM
20650	adinstbpm	Task	Work in progress	Normal	Request ACNET node assignment for BBPL12	John Diamond	08/21/2018 08:22 AM
20649	adinstbpm	Task	Work in progress	Normal	Request ACNET node assignment for BBPL15	John Diamond	08/21/2018 08:22 AM
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
20555	adinstbpm	Task	Assigned	Normal	Request ethernet connection for bbpl12 and bbpl12-crate	John Diamond	08/07/2018 06:17 PM
20543	adinstbpm	Task	Assigned	Normal	Request ethernet connection for bbpl15 and bbpl15-crate	John Diamond	08/07/2018 06:13 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
20356	adinstbpm	Task	Resolved	Normal	Request ethernet connection for crate and CPU	John Diamond	08/22/2018 09:28 PM
23334	adinstbpm	Bug	New	Normal	Review request [commit:9d6fb8c32be2b760ee703095242308551c178991: Removed commented syslog(..) calls that where replaced with TRACE.]		09/25/2019 03:06 PM
22555	adinstbpm	Milestone	New	Normal	RMS analysis process	Elliott McCrory	05/08/2019 02:54 PM
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

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21696	adinstbpm	Feature	Assigned	Normal	Snapshot plot support for Booster BPMs	Elliott McCrory	01/15/2019 12:53 PM
20352	adinstbpm	Task	Resolved	Normal	Startup despite missing timing module	John Diamond	09/07/2018 09:19 AM
18000	adinstbpm	Task	Resolved	Normal	Support BPM lists in dump commands	John Diamond	10/26/2017 04:19 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
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
20351	adinstbpm	Feature	Resolved	Normal	Support for 4-channel 2-dimensional BPMs	John Diamond	08/22/2018 08:48 PM
22554	adinstbpm	Milestone	New	Normal	Support for Analysis Processes	Elliott McCrory	05/08/2019 02:54 PM
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
18435	adinstbpm	Milestone	New	Normal	Support for GigE ADCs		11/30/2017 09:35 AM
22553	adinstbpm	Milestone	New	Normal	Support for I&Q, phase space data in Reading buffers	Duane C. Voy	05/08/2019 02:54 PM
22499	adinstbpm	Milestone	New	Normal	Support GigE readout	Duane C. Voy	05/08/2019 02:51 PM
20665	adinstbpm	Task	New	Normal	Support multiple sets of coefficients for 2-D fits		08/22/2018 08:51 PM
22556	adinstbpm	Milestone	New	Normal	Support rack-mount server architecture		06/14/2019 02:11 PM
20666	adinstbpm	Task	New	Normal	TCLK-driven arm and TBT readout for IOTA		08/22/2018 09:33 PM
17975	adinstbpm	Task	Work in progress	Normal	Test B38 and B40	John Diamond	10/20/2017 01:58 PM
20450	adinstbpm	Bug	New	Normal	The number of samples argument to bpmcli dump does not respect multiple bunches		07/25/2018 03:47 PM
24146	adinstbpm	Task	New	Low	TRACE buffer levels need to be in enumeration	Robert Santucci	03/06/2020 02:09 PM
17755	adinstbpm	Task	Work in progress	Normal	Verify DAQ operation with at least 4 modules	John Diamond	09/21/2017 10:54 AM
18197	adinstbpm	Bug	New	Normal	Why do soft reboots sometime hang?		11/10/2017 10:14 AM
18436	adinstbpm	Task	Work in progress	Normal	x86 support for Technobox XMC GigE adapter	John Diamond	11/30/2017 09:41 AM
10889	AD Instrumentation	Feature	New	High	Implement Mooc 720 Hz Upgrade	Roger Tokarek	11/09/2015 03:40 PM
5277	ADMIN	Support	New	Normal	minoscvs deployment	Arthur Kreymer	01/27/2014 05:40 PM
7843	ADMIN	Support	New	Normal	Minos FY 2015 SPPM resource spreadsheet		02/12/2015 10:56 AM
5740	ADMIN	Idea	Accepted	Normal	Minos Windows to Linux survey	Arthur Kreymer	03/26/2014 12:51 PM
3590	ADMIN	Support	New	Normal	Move /minos/app data files	Arthur Kreymer	11/26/2014 10:55 PM
10919	ADMIN	Support	Resolved	Normal	move /nusoft/app/htdoc/minos to /web/sites/minos.fnal.gov	Arthur Kreymer	09/28/2020 02:44 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

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8139	ADMIN	Feature	Assigned	Normal	NAS-HOME testing	Arthur Kreymer	10/23/2015 11:11 AM
10921	ADMIN	Support	New	Normal	ND DCS, DAQ, and Timing web pages all run on nusoft space		11/12/2015 01:16 PM
5392	ADMIN	Support	New	High	remove /pnfs/minos group write permissions	Arthur Kreymer	02/08/2014 03:43 PM
5409	ADMIN	Bug	New	Normal	Testing Service Now text entry issue, INC000000404116	Arthur Kreymer	02/10/2014 05:18 PM
359	Aged Password Detector	Bug	New	Normal	Accommodate new Password_overdue view		03/15/2010 01:24 PM
22932	AI-for-Accelerators	Milestone	New	Normal	Algorithm development, part 2		07/12/2019 03:18 PM
22829	AI-for-Accelerators	Feature	New	Normal	Algorithm development, part I		06/27/2019 04:25 PM
22802	AI-for-Accelerators	Feature	New	Normal	Build a distributed training system for faster turnaround		06/21/2019 11:44 AM
22800	AI-for-Accelerators	Feature	New	Normal	Build a framework for agent deploymenrt		06/21/2019 11:43 AM
22831	AI-for-Accelerators	Task	New	Normal	Build agent for training from historical data - mimic current algorithm		06/27/2019 04:24 PM
22833	AI-for-Accelerators	Feature	New	Normal	Build a "kick-started" candidate agent		06/27/2019 04:25 PM
22799	AI-for-Accelerators	Feature	New	Normal	Build offline training system		06/21/2019 11:44 AM
22791	AI-for-Accelerators	Task	New	Normal	Create list of initial set of devices and dataloggers (ACNET)		06/20/2019 04:42 PM
22787	AI-for-Accelerators	Milestone	New	Normal	Data Products, Part 1		06/20/2019 04:44 PM
22918	AI-for-Accelerators	Feature	New	Normal	Data products, part 2		07/11/2019 01:40 PM
22935	AI-for-Accelerators	Task	New	Normal	Data products, part 3		07/12/2019 03:19 PM
22946	AI-for-Accelerators	Task	New	Normal	Demonstrate dynamic loading of weights without re-flashing the FPGA?		07/15/2019 04:21 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
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
22842	AI-for-Accelerators	Task	New	Normal	Design ACNET input system for the board		06/28/2019 04:39 PM
22830	AI-for-Accelerators	Task	New	Normal	Develop research plan for safe agent behavior		06/27/2019 04:22 PM
22794	AI-for-Accelerators	Feature	New	Normal	Develop solution for querying stored data		06/20/2019 04:45 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
22793	AI-for-Accelerators	Task	New	Normal	Estimate storage requirements over 1, 3, 6, 12 month timelines		06/20/2019 04:44 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
22790	AI-for-Accelerators	Feature	New	Normal	Full current set data readout and storage		06/20/2019 04:41 PM
22922	AI-for-Accelerators	Milestone	New	Normal	Hall work part 1		07/11/2019 01:42 PM
22942	AI-for-Accelerators	Milestone	New	Normal	Historical agent		07/15/2019 04:19 PM

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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
22933	AI-for-Accelerators	Task	New	Normal	Investigate deployment to PC for "slow" inference and training		07/12/2019 03:17 PM
22801	AI-for-Accelerators	Task	New	Normal	Investigate TF-Agents, home-brew systems		06/21/2019 11:43 AM
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
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
22792	AI-for-Accelerators	Task	New	Normal	Set up long-term storage mechanism for data products		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
22840	AI-for-Accelerators	Task	New	Normal	Test full workflow with boards on-hand		06/28/2019 04:38 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
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
22943	AI-for-Accelerators	Task	New	Normal	Training mechanism validation		07/15/2019 04:20 PM
22841	AI-for-Accelerators	Task	New	Normal	Understand input bandwidth requirements		06/28/2019 04:39 PM
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
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
18795	ANNIE	Support	Work in progress	Normal	ANNIE 2018 computing request for SCPMT	Mayly Sanchez	01/25/2018 04:32 PM
21449	ANNIE	Support	New	Normal	ANNIE 2019 computing request for SCPMT	Mayly Sanchez	11/28/2018 02:56 PM
24151	ANNIE	Support	New	Normal	ANNIE 2020 computing request	Benjamin Richards	05/06/2020 07:43 AM
20862	ANNIE	Support	New	Normal	annie-daq02 cleanup for Sep 2018 reinstall	Arthur Kreymer	09/21/2018 03:41 PM
21624	ANNIE	Support	New	Low	Annie ECL local password removal	Arthur Kreymer	01/04/2019 10:52 AM
17621	ANNIE	Support	Work in progress	Normal	Annie internal web pages to https://anniedata.fnal.gov	Arthur Kreymer	01/25/2018 07:22 AM
17962	ANNIE	Support	Resolved	Normal	archive v5data/0248 to 0252	Arthur Kreymer	10/27/2017 02:38 PM
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

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18589	ANNIE	Support	Work in progress	Normal	Configure /cvmfs/annie.opensciencegrid.org	Arthur Kreymer	03/10/2018 07:55 AM
20572	ANNIE	Task	New	Normal	Create tape backed storage area for production reco files	Steven Gardiner	08/09/2018 11:11 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
15476	ANNIE	Task	Resolved	High	Remove from persistent runs <= 247	Arthur Kreymer	08/31/2017 08:37 AM
14890	ANNIE	Task	Resolved	High	remove older files from /pnfs/annie/persistent/raw	Arthur Kreymer	01/05/2017 09:41 AM
17603	ANNIE	Support	Resolved	Immediate	Remove persistent v3data for space	Arthur Kreymer	08/28/2017 03:10 PM
15475	ANNIE	Task	Resolved	High	Remove v2data runs converted to v5data	Arthur Kreymer	08/31/2017 08:39 AM
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
15595	ANNIE	Task	Assigned	Normal	SAM onboarding	Arthur Kreymer	01/25/2018 07:25 AM
20592	ANNIE	Support	Assigned	Low	shared account logging for annieraw, anniepro	Arthur Kreymer	08/11/2018 06:27 PM
11082	ANNIE1-Assembly	Task	New	Normal	Access Platform: construction and installation		04/06/2016 11:11 PM
8576	ANNIE1-Assembly	Task	New	Normal	Assembly and installation of PMT modules		04/06/2016 11:06 PM
11086	ANNIE1-Assembly	Milestone	New	Normal	Cabling of the installed tank		04/06/2016 11:08 PM
11080	ANNIE1-Assembly	Task	New	Normal	Construction of Inner Structure		01/12/2016 02:29 AM
11084	ANNIE1-Assembly	Task	New	Normal	Construction of NCV		04/06/2016 11:07 PM
11094	ANNIE1-Assembly	Milestone	New	Normal	Cut top of tank		12/06/2015 12:08 PM
11078	ANNIE1-Assembly	Task	New	Normal	Development of PMT installation procedure		04/06/2016 11:05 PM
11097	ANNIE1-Assembly	Bug	New	Normal	Finalize crates and racks		04/06/2016 11:11 PM
11099	ANNIE1-Assembly	Task	New	Normal	Installation of Forward Veto Cabling		04/06/2016 11:07 PM
8637	ANNIE1-Assembly	Milestone	New	Normal	Installation of plastic liner		04/06/2016 11:07 PM
8631	ANNIE1-Assembly	Milestone	New	Normal	Lowering the tank in ANNIE Hall		04/06/2016 11:12 PM
11083	ANNIE1-Assembly	Milestone	New	Normal	Lower inner structure into tank at ANNIE Hall		04/06/2016 11:11 PM
11093	ANNIE1-Assembly	Task	New	Normal	Modify top of tank, add round offs		01/12/2016 02:36 PM
11085	ANNIE1-Assembly	Milestone	New	Normal	NCV shipped to FNAL		04/06/2016 11:08 PM
11090	ANNIE1-Assembly	Task	New	Normal	PMT cabling and shipping		04/06/2016 11:05 PM
11095	ANNIE1-Assembly	Task	New	Normal	Populate Crates in Hall		04/06/2016 11:06 PM
11081	ANNIE1-Assembly	Task	New	Normal	Practice lower inner structure into tank		04/06/2016 11:06 PM
11096	ANNIE1-Assembly	Milestone	New	Normal	Prelim ORC inspection		04/06/2016 11:12 PM
11089	ANNIE1-Assembly	Task	New	Normal	Set up water skid and recirculation system		01/25/2018 07:20 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
11079	ANNIE1-Assembly	Task	New	Normal	Spot testing of PMTs		04/06/2016 11:05 PM
8577	ANNIE1-Assembly	Task	New	Normal	Water fill		01/25/2018 07:11 AM
8599	ANNIE1-Commissioning	Task	New	Normal	Begin Run1 data taking		01/25/2018 07:11 AM
11087	ANNIE1-Commissioning	Task	New	Normal	DAQ commissioning		01/25/2018 07:10 AM
8600	ANNIE1-Commissioning	Task	New	Normal	Dark commissioning of PMTs in ANNIE Hall (no water)		01/25/2018 07:10 AM
11088	ANNIE1-Commissioning	Task	New	Normal	Detector commissioning with water		01/25/2018 07:21 AM
11098	ANNIE1-Commissioning	Milestone	New	Normal	Final ORC review		01/25/2018 07:20 AM
8636	ANNIE1-Commissioning	Task	New	Normal	Installation and commissioning of NCV		01/25/2018 07:11 AM
10509	ANNIE1-electronics-design	Task	Assigned	Normal	Attach bulkhead connectors and pcb mounting hardware	Jonathan Eisch	04/06/2016 11:13 PM
10543	ANNIE1-electronics-design	Task	Resolved	Normal	Check availability of local timing references	Jonathan Eisch	11/02/2015 01:31 PM
9086	ANNIE1-electronics-design	Task	Assigned	Normal	Contact Zarko Pavlovic about beam timing signals.	Jonathan Eisch	06/10/2015 10:48 AM
11349	ANNIE1-electronics-design	Task	New	High	DAQ board reader TOOL		01/15/2016 08:05 AM
11343	ANNIE1-electronics-design	Task	Resolved	Normal	DAQ Bool functions /status reporting	Benjamin Richards	01/15/2016 08:08 AM
11346	ANNIE1-electronics-design	Task	Resolved	Normal	DAQ Control systems	Benjamin Richards	01/15/2016 08:07 AM
11344	ANNIE1-electronics-design	Task	Resolved	Normal	DAQ Jason (lite) messgae passing	Benjamin Richards	01/15/2016 08:09 AM
11347	ANNIE1-electronics-design	Task	New	Normal	DAQ monitoring system	Benjamin Richards	01/05/2016 08:21 AM
11351	ANNIE1-electronics-design	Task	Assigned	Normal	DAQ output TOOL	Benjamin Richards	01/15/2016 08:03 AM
11345	ANNIE1-electronics-design	Task	New	Normal	DAQ Serialisation		01/05/2016 08:17 AM
11342	ANNIE1-electronics-design	Task	Resolved	Normal	DAQ ZMQ/multicast integration	Benjamin Richards	01/15/2016 08:07 AM
10457	ANNIE1-electronics-design	Task	Assigned	Normal	Design and build full sized pickoff/splitter board	Jonathan Eisch	01/12/2016 03:07 PM
8813	ANNIE1-electronics-design	Task	Assigned	Normal	Design for clock distribution and timing	Jonathan Eisch	01/25/2018 07:15 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
10440	ANNIE1-electronics-design	Task	Assigned	Normal	Externally trigger ADC cards	Jonathan Eisch	01/25/2018 07:14 AM
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
8815	ANNIE1-electronics-design	Task	New	Normal	Final Decision on MRD and veto electronics		04/06/2016 11:08 PM
10461	ANNIE1-electronics-design	Task	Resolved	Normal	Full sized pickoff/splitter board population	Jonathan Eisch	01/12/2016 03:07 PM
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
10449	ANNIE1-electronics-design	Task	Assigned	Normal	HV pickoff & signal splitter	Jonathan Eisch	04/06/2016 11:14 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
10463	ANNIE1-electronics-design	Task	Assigned	Normal	HV pickoff/splitter enclosure	Jonathan Eisch	04/06/2016 11:13 PM
8809	ANNIE1-electronics-design	Task	Assigned	Normal	Interface for PSEC electronics with ART system	Karen Hayrapetyan	10/09/2015 01:06 PM
10470	ANNIE1-electronics-design	Task	Resolved	Normal	Machine pickoff/splitter enclosure	Jonathan Eisch	01/12/2016 03:05 PM
10443	ANNIE1-electronics-design	Task	Assigned	Normal	Make readout methods (to be used by artdaq)	Jonathan Eisch	01/25/2018 07:16 AM
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
10468	ANNIE1-electronics-design	Task	Assigned	Normal	Pickoff/splitter enclosure production	Jonathan Eisch	04/06/2016 11:13 PM
11348	ANNIE1-electronics-design	Task	New	Normal	Postgress setup		01/05/2016 08:22 AM
8806	ANNIE1-electronics-design	Milestone	New	Normal	Redesign of LAPPD central card	Matthew Wetstein	10/09/2015 02:12 PM
10535	ANNIE1-electronics-design	Task	New	Normal	Select and buy a suitable GPS receiver	Jonathan Eisch	01/25/2018 07:16 AM
10532	ANNIE1-electronics-design	Task	Assigned	Normal	Select timing sources	Jonathan Eisch	01/25/2018 07:17 AM
8913	ANNIE1-electronics-design	Task	Assigned	Normal	Send an ACDC + central card to QMUL	Matthew Wetstein	10/09/2015 01:09 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
10512	ANNIE1-electronics-design	Task	New	Normal	Test final pickoff/splitter		04/06/2016 11:14 PM
10456	ANNIE1-electronics-design	Task	Resolved	Normal	Test HV resilliance up to 3kV	Jonathan Eisch	10/12/2015 02:40 PM
10442	ANNIE1-electronics-design	Task	Resolved	Normal	Throughput testing for ADC cards	Jonathan Eisch	10/22/2015 01:40 PM
10530	ANNIE1-electronics-design	Task	Assigned	Normal	Timing distribution system	Jonathan Eisch	01/25/2018 07:17 AM
9089	ANNIE1-electronics-design	Task	Assigned	Normal	UC ADC cards	Jonathan Eisch	01/25/2018 07:16 AM
9090	ANNIE1-electronics-design	Feature	Assigned	Normal	UC ADC user manual	Jonathan Eisch	01/25/2018 07:14 AM
8816	ANNIE1-electronics-design	Milestone	New	Normal	What is our calibration system?		01/25/2018 07:13 AM
8625	ANNIE1-MCstudies	Task	New	Normal	Full MC model with 3D PMTs to study neutron tagging efficiencies		01/25/2018 07:24 AM
8623	ANNIE1-MCstudies	Task	New	Normal	Geant-based estimate of beam neutron rates and energies		01/25/2018 07:22 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
8573	ANNIE1-mechanical-design	Task	New	Normal	Approval to purchase tank, from IA State Purchasing		05/27/2015 07:54 AM
10173	ANNIE1-mechanical-design	Task	New	Normal	Cost out plastic bag liner, get lead time	Matthew Wetstein	12/06/2015 10:33 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
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 strcture	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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
8855	ANNIE1-mechanical-design	Milestone	New	Normal	Design of veto structure		08/05/2015 11:55 PM
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
10203	ANNIE1-mechanical-design	Task	New	Normal	Determine placement of water pump	Carrie McGivern	01/12/2016 02:33 AM
8572	ANNIE1-mechanical-design	Task	New	Urgent	Fermilab approval for tank purchase		06/09/2015 02:01 AM
11076	ANNIE1-mechanical-design	Task	New	Normal	Final decision on liner specs and estimate		01/12/2016 02:33 AM
11092	ANNIE1-mechanical-design	Task	New	Normal	Finish design of PMT holders		01/22/2016 08:51 AM
10171	ANNIE1-mechanical-design	Task	New	Normal	Follow up with Steve Dazeley	Matthew Wetstein	09/18/2015 12:59 PM
8854	ANNIE1-mechanical-design	Task	New	Normal	Ship the muon veto structure		08/05/2015 11:47 PM
8853	ANNIE1-mechanical-design	Task	New	Normal	Water system shipped to FNAL for storage		12/06/2015 10:24 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
8618	ANNIE1-MRD-design	Task	New	Normal	Sign over stewardship of the MRD steel		06/05/2015 06:39 AM
8630	ANNIE1-Planning	Meeting	New	Normal	ANNIE Run 1 Electronics Review		05/06/2015 09:47 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
8629	ANNIE1-Planning	Meeting	New	Normal	Run 1 Mechanical Review		01/22/2016 08:51 AM
11100	ANNIE1-Staging	Task	New	Normal	Cables for Forward Veto		04/06/2016 11:09 PM
11077	ANNIE1-Staging	Milestone	New	Normal	Liner: collab buy-in, place order		01/12/2016 02:32 AM
8633	ANNIE1-Staging	Task	New	Normal	MRD + veto system testing		04/06/2016 11:09 PM
8634	ANNIE1-Staging	Task	New	Normal	Order materials for PMT structure		04/06/2016 11:09 PM
11091	ANNIE1-Staging	Milestone	New	Normal	Prototype PMT holder		04/06/2016 11:10 PM
8571	ANNIE1-Staging	Milestone	New	High	Tank Manufacture		12/06/2015 11:38 AM
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
18938	ANNIE2-electronics-design	Task	New	Normal	Design for separate ACDC voltage regulator board		02/09/2018 09:43 AM
18937	ANNIE2-electronics-design	Task	New	Normal	Design the backboard for the LAPPD with ACDC connectors		02/09/2018 09:31 AM
18934	ANNIE2-electronics-design	Milestone	New	Normal	Final crate and rack maps		02/09/2018 09:15 AM
18936	ANNIE2-electronics-design	Milestone	New	Normal	Power distribution plan		02/09/2018 09:16 AM
18935	ANNIE2-electronics-design	Milestone	New	Normal	Rack protection plan		02/09/2018 09:16 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
18932	ANNIE2-electronics-readiness	Task	New	Normal	Ethernet interface for ACC		02/09/2018 09:13 AM
18931	ANNIE2-electronics-readiness	Task	New	Normal	Finish new ACDC-ACC interface firmware		02/09/2018 09:12 AM
18933	ANNIE2-electronics-readiness	Task	New	Normal	Firmware upgrades for KOTO boards (2 different trigger schemes)		02/09/2018 09:13 AM
18572	ANNIE2-mechanical-design	Task	New	Normal	Cleanliness and handling strategy		06/12/2018 09:20 AM
18554	ANNIE2-mechanical-design	Milestone	New	Normal	Decision about the tank top	Matthew Wetstein	01/25/2018 07:34 AM
18556	ANNIE2-mechanical-design	Task	New	High	Design of the new tank lid		01/25/2018 07:34 AM
18562	ANNIE2-mechanical-design	Task	New	Normal	Draft LAPPD mounting board design		06/12/2018 09:19 AM
18560	ANNIE2-mechanical-design	Task	New	Normal	Figure out how to optically isolate the inner volume		12/14/2017 01:14 PM
18571	ANNIE2-mechanical-design	Task	New	Normal	Finalize design and layout of water system		01/25/2018 07:40 AM
18553	ANNIE2-mechanical-design	Task	New	High	Finalize design concept of inner structure	Matthew Wetstein	06/13/2018 01:28 AM
18567	ANNIE2-mechanical-design	Task	New	Normal	Finalize design of source calibration system		12/14/2017 01:33 PM
18566	ANNIE2-mechanical-design	Task	New	Normal	Finalize design of timing calibration system		01/25/2018 07:39 AM
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
18565	ANNIE2-mechanical-design	Task	New	Normal	Final layout of new LAPPD housing		06/12/2018 09:19 AM
18941	ANNIE2-mechanical-design	Milestone	New	Normal	Final Review of the Tank Lid design		02/09/2018 09:48 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
18559	ANNIE2-mechanical-design	Bug	New	Normal	Holders and Mount Concepts for new 10" PMTs		01/25/2018 07:57 AM
18558	ANNIE2-mechanical-design	Bug	New	Normal	How to mount the LUX PMTs on the bottom		01/25/2018 07:50 AM
18557	ANNIE2-mechanical-design	Bug	New	Normal	How to mount the WATCHMAN PMTs		12/14/2017 01:09 PM
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
20349	ANNIE2-mechanical-design	Task	Assigned	Normal	Magnetization of the tank	Emrah Tiras	07/18/2018 01:37 PM
18569	ANNIE2-mechanical-design	Task	New	Normal	Revise Specification Doc.		06/12/2018 09:18 AM
18564	ANNIE2-mechanical-design	Task	New	Normal	Separate voltage regulators from ACDCs to separate board		06/12/2018 09:20 AM
18555	ANNIE2-mechanical-design	Milestone	New	High	Top with or without square hatch	Matthew Wetstein	01/25/2018 07:34 AM
18561	ANNIE2-mechanical-design	Task	Work in progress	Normal	Write TSW	Emrah Tiras	06/12/2018 09:18 AM
23351	Applications Group	Idea	New	Normal	Reimagining the Parameter Page		09/30/2019 08:27 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
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
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
24109	art	Feature	Assigned	Normal	add include-what-you-use to clang build	Christopher Green	03/09/2020 10:26 AM
11839	art	Feature	Feedback	Normal	Add respondToOpenInputFile method to ResultsProducer		03/03/2016 03:21 PM
7662	art	Feature	Feedback	Normal	Allow absolute include paths in fcls		10/23/2017 12:12 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
23582	art	Feature	Under Discussion	Normal	Allow source modules to use random number engines from the RandomNumberGenerator service.		11/13/2019 08:21 AM
19011	art	Necessary Maintenance	Accepted	Normal	Analyzer for testing backwards compatibility		02/19/2018 11:26 AM
1043	art	Bug	Accepted	Normal	art::getFileFormatVersion and art::getFileFormatEra should be renamed		10/23/2017 12:12 PM
24843	art	Bug	Assigned	Normal	art job crashed but completed successfully when retried almost immediately ..	Kyle Knoepfel	09/14/2020 10:24 AM
19599	art	Support	Feedback	Normal	art job influenced by random files		09/02/2020 09:11 AM
21385	art	Support	Assigned	Normal	Art Module Design wiki section is significantly out of date.	Kyle Knoepfel	11/19/2018 10:39 AM
11033	art	Feature	Accepted	Normal	art module in Python		04/23/2018 10:51 AM
19994	art	Feature	Accepted	Normal	art multi-threading phase 2		05/21/2018 10:33 AM
11035	art	Feature	Accepted	Normal	art producer module in python		12/07/2015 11:43 AM
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
8271	art	Feature	Assigned	Normal	Better diagnostics for ProductNotFound with multiple paths		12/03/2019 12:41 PM
16249	art	Bug	Accepted	Normal	building art on minsky.fnal.gv		04/26/2017 11:34 AM
12857	art	Bug	Remission	Normal	Build-time dictionary checking has dangerous false positives		06/06/2016 11:40 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
15546	art	Support	Assigned	Normal	cetskelgen help should have one or two complete command line examples	Christopher Green	02/20/2017 11:19 AM
16354	art	Feature	Accepted	Normal	Check that duplicate events are not processed for an art job		05/01/2017 11:55 AM
5795	art	Feature	Feedback	Normal	code version control provenance		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
17407	art	Feature	Accepted	Normal	Configuration description of module		09/17/2019 02:16 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
24925	art	Bug	Accepted	Normal	counter-intuitive behavior of the "drop on input"		09/08/2020 12:38 PM
19306	art	Feature	Accepted	Normal	create Ptr to product		03/12/2018 11:47 AM
1144	art	Milestone	Accepted	Normal	Defining categories for the error logger		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
18792	art	Necessary Maintenance	Resolved	Normal	Determine which products to test for backwards compatibility	Marc Paterno	02/16/2018 12:04 PM
21386	art	Support	Assigned	Normal	Documentation is insuficient for `consumes`.	Kyle Knoepfel	12/03/2018 10:24 AM
17084	art	Necessary Maintenance	Accepted	Low	Documentation of messagefacility on Redmine wiki is very outdated		07/05/2017 11:56 AM
24050	art	Support	Assigned	Normal	Documentation on art::TriggerResults_TriggerResults__<process name> Event branch	Kyle Knoepfel	06/25/2020 02:14 PM
943	art	Feature	Accepted	Normal	Document in-use parameters for all framework code.		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
21412	art	Feature	Accepted	Normal	Enable product-mixing to read from multiple secondary input files per primary event		11/20/2018 01:57 PM
909	art	Bug	Accepted	Normal	Event::getView should return false (per design) rather than throw in specified cases.		10/23/2017 12:12 PM
6303	art	Bug	Remission	Normal	Event Mixer	Christopher Green	10/23/2017 12:12 PM
24721	art	Feature	Assigned	Normal	Event Mixing and Run-level Data Products	Kyle Knoepfel	08/13/2020 11:03 AM
23925	art	Feature	Under Discussion	Normal	Event resampling support		02/03/2020 10:27 AM
18628	art	Feature	Feedback	Normal	expand Results concept		01/25/2018 09:30 AM
16342	art	Feature	Accepted	Normal	Facility to convert fhicl::ParameterSets from art/ROOT file to Python dictionary		05/01/2017 11:51 AM
7526	art	Bug	Feedback	Normal	Follow up on Parameter Set bloat		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
24621	art	Support	Assigned	Low	git in the art 3.06 distribution	Kyle Knoepfel	07/18/2020 11:10 PM
18152	art	Feature	Assigned	Normal	Have FileDumperOutput output into messagefacility streams	Christopher Green	11/20/2017 11:28 AM
8771	art	Feature	Accepted	Normal	Implement parameter set configuration printout - task 3b of issue #7538		06/01/2015 11:24 AM
4916	art	Feature	Feedback	Normal	Implement SelectRuns and SelectSubRuns		10/23/2017 12:12 PM
19012	art	Necessary Maintenance	Accepted	Normal	Implement testing procedure for ensuring backwards compatibility		02/19/2018 11:26 AM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
19013	art	Necessary Maintenance	Accepted	Normal	Implement tests for ensuring backwards compatibility		02/19/2018 11:26 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
20772	art	Feature	Under Discussion	Normal	Inherit Configuration from Provenance		09/08/2018 04:55 PM
897	art	Necessary Maintenance	Accepted	Normal	Institute validation tests for an installed art package.		10/23/2017 12:12 PM
15382	art	Feature	Accepted	Normal	Introduce thread-pause signaling for debugging		05/18/2018 03:08 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
19846	art	Support	Work in progress	Normal	Issues with events coming from different art histories in artdaq		05/14/2018 10:21 AM
5790	art	Feature	Feedback	Normal	It should be possible to discover the art metadata for an object.		10/23/2017 12:12 PM
10750	art	Feature	Feedback	Normal	lazy loading of the parameter set database		08/29/2016 04:21 PM
8845	art	Feature	Accepted	Normal	Limited support for analyzers in Python		10/23/2017 12:12 PM
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
15393	art	Feature	Accepted	Normal	Make available the CMS static analysis tools		02/06/2017 11:19 AM
15394	art	Feature	Accepted	Normal	Make cetbuiltools run the static analysis tools		02/06/2017 11:19 AM
917	art	Necessary Maintenance	Accepted	Normal	Make FHICL language document pretty.		10/23/2017 12:12 PM
19674	art	Bug	Feedback	Normal	make_tool does not check type	Kyle Knoepfel	04/23/2018 11:29 AM
13675	art	Bug	Accepted	Normal	messagefacility sqlite plugin test sporadic failure on OSX		08/29/2016 11:35 AM
3571	art	Bug	Accepted	Low	Message logger configuration		10/23/2017 12:12 PM
3629	art	Feature	Accepted	Normal	Metadata retained for pure transient data products?		10/23/2017 12:12 PM
9822	art	Bug	Accepted	Normal	Misleading diagnostics by art framework		08/17/2015 12:11 PM
21964	art	Bug	Accepted	Normal	Misleading output in case of exceptions		02/25/2019 10:25 AM
11036	art	Feature	Accepted	Normal	multidimensional array support in NTuple product		12/07/2015 11:43 AM
9999	art	Feature	Accepted	Normal	objects and associated metadata in a single vecctor of pairs		09/08/2015 03:50 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
1759	art	Feature	Accepted	Normal	Periodic refreshing of histogram files		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
1075	art	Milestone	Accepted	Normal	Post on the tutorial web site some documentation for FileDumper		10/23/2017 12:12 PM
19010	art	Necessary Maintenance	Accepted	Normal	Producer for testing backwards compatibility		02/19/2018 11:26 AM
15785	art	Feature	Accepted	Low	Provide hints for "obvious" typo's in FHiCL parameter names		03/13/2017 11:37 AM
4907	art	Feature	Feedback	Normal	Provide Run::isRealData() and SubRun::isRealData()		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
1214	art	Feature	Assigned	Normal	Ptr to Run or SubRun product	Kyle Knoepfel	07/05/2017 05:41 PM
3068	art	Feature	Accepted	Normal	PtrVectorBase custom streamer could be made more efficient.		10/23/2017 12:12 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
15387	art	Feature	Accepted	Normal	Put context information into messagefacility messages		05/18/2018 02:57 PM
4187	art	Feature	Accepted	Normal	Reading in metadata from input files		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
19842	art	Feature	Assigned	Normal	Relax restrictions for plugin types in print-description and print-available	Kyle Knoepfel	07/24/2018 03:47 PM
16706	art	Feature	Accepted	Normal	Request additional output from EventIDFilter		12/03/2019 12:41 PM
13050	art	Feature	Accepted	Normal	Request a new variant of T* TFileDirectory::makeAndRegister<T>		06/27/2016 12:17 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
22225	art	Feature	Under Discussion	Normal	Request to add a file index offset to PostCloseFileRenamer		05/17/2019 11:45 AM
23801	art	Feature	Assigned	Normal	Request to extend TriggerNameServices to read names from previous jobs	Kyle Knoepfel	06/11/2020 11:47 AM
2943	art	Feature	Feedback	Normal	ResourceWatch utility		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
946	art	Necessary Maintenance	Accepted	Normal	Review and provide precise definitions of each signal watchpoint.		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
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
908	art	Necessary Maintenance	Accepted	Normal	Review structure, code and other aspects of cpp0x and cetlib		10/23/2017 12:12 PM
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

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
7177	art	Feature	Accepted	Low	service and module testing utilities		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
1316	art	Feature	Feedback	Normal	Snapshot histogram file		10/23/2017 12:12 PM
13274	art	Bug	Accepted	Normal	Some dead links in art wiki: ROOT schema evolution		07/18/2016 11:24 AM
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
11156	art	Feature	Accepted	Low	Suggestions to update the fhicl documentation		12/21/2015 11:21 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
5775	art	Feature	Feedback	Normal	Support for arbitrary, random-file access		10/23/2017 12:12 PM
11355	art	Feature	Feedback	Normal	Support for a very different sort of secondary input ...	Christopher Green	02/06/2017 11:40 AM
8846	art	Feature	Accepted	Normal	Support for handling branch aliases		04/23/2018 10:51 AM
15618	art	Idea	Accepted	Normal	Support for reading secondary input files in a special scenario		03/13/2017 02:15 PM
15894	art	Feature	Under Discussion	Normal	Support RangeSet calculation and use per-schedule and across schedules		05/18/2018 02:55 PM
15169	art	Idea	Accepted	Normal	Support splitting data products by schema evolution		01/23/2017 11:20 AM
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
8178	art	Necessary Maintenance	Accepted	Low	Testing of drop on input needs improvement		10/23/2017 12:12 PM
956	art	Feature	Accepted	Normal	Testing of signal emission is needed		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
18305	art	Bug	Remission	Normal	TimeTracker database output option sometimes causes exception		12/06/2017 10:00 AM
11026	art	Feature	Accepted	Normal	Tuple product support		04/23/2018 10:51 AM
8426	art	Feature	Accepted	Normal	Understand gradual memory growth and determine if it can be mitigated		04/27/2015 11:46 AM
11634	art	Bug	Remission	Normal	Unexpected message from ROOT		02/08/2016 11:21 AM
1197	art	Necessary Maintenance	Accepted	Normal	Unit / regression tests for RootInput random access.		10/23/2017 12:12 PM
16126	art	Feature	Accepted	Normal	Update Allinea Wiki Page With More Useful Documentation		12/03/2019 12:41 PM
18973	art	Feature	Accepted	Normal	Update cetskelgen to use fhicl validation		02/12/2018 12:22 PM
13610	art	Feature	Assigned	Normal	Update schema evolution wiki page		12/03/2019 12:41 PM
7029	art	Feature	Accepted	Normal	Use one consistent unit test framework for Art		10/23/2017 12:12 PM

#	Project	Tracker	Status	Priority	Subject	Assignee	Updated
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
13188	art_ci	Feature	Assigned	Normal	Documentation for the Art-CI	Vito Di Benedetto	12/04/2017 05:38 PM
22532	artdaq	Feature	Resolved	Normal	Add acknowledgements to Request protocol	Eric Flumerfelt	06/25/2019 04:02 PM
22701	artdaq	Support	Resolved	Normal	Add additional unit tests for RequestMessage.hh	Eric Flumerfelt	11/08/2019 01:20 PM
22531	artdaq	Feature	Assigned	Normal	Add destination parameter to DSM::sendFragment		05/30/2019 02:49 PM
6996	artdaq	Feature	New	Normal	Add documentation for basic operation and common errors for SQA		01/13/2017 04:02 PM
20747	artdaq	Feature	Resolved	Normal	Add Event Building Time metric	Eric Flumerfelt	09/05/2018 12:07 PM
22220	artdaq	Support	Resolved	Normal	Add Event number to TRACEs in SharedMemoryReader	Eric Flumerfelt	03/26/2019 08:58 AM
20362	artdaq	Feature	Assigned	Low	Add external controlling functionality to InhibitMaster	Wesley Ketchum	07/25/2018 01:59 PM
3186	artdaq	Feature	Resolved	Normal	Add fragment ID checking to some combination of RawEvent, EventStore, and builder.cc.		12/18/2019 10:01 AM
7586	artdaq	Feature	New	Normal	Add functionality and tools to artdaq for diagnosing and debugging DAQ hardware and firmware		01/27/2018 12:31 PM
23131	artdaq	Feature	Assigned	Normal	Add reporting of fragment IDs for missing fragments to the FragmentWatcher module	Kurt Biery	01/07/2020 10:12 AM
20482	artdaq	Idea	New	Normal	Add support for "#includes" before PROLOGs in the db layer.		07/30/2018 12:51 PM
22280	artdaq	Feature	Resolved	Normal	Add tests for RoutingMasterCore	Eric Flumerfelt	04/08/2019 08:11 AM
20481	artdaq	Idea	New	Normal	Add the "--print-description" option to DAQ processes.		07/30/2018 12:42 PM
22145	artdaq	Idea	New	Normal	Allow experiments to put certain Fragments on separate ROOT Branches		03/15/2019 10:02 AM
23776	artdaq	Idea	New	Normal	Allow users more control of MetricPlugin behavior		12/18/2019 08:45 AM
20983	artdaq	Feature	New	Normal	Annotate artdaq database with doxygen tags.		09/28/2018 05:15 PM
20628	artdaq	Feature	New	Normal	Archiving time on the protoDUNE cluster should be reduced	Gennadiy Lukhanin	08/16/2018 03:04 PM
23764	artdaq	Support	New	Normal	artdaq boot sequence takes significant time for ICARUS daq		12/19/2019 03:10 PM
24869	artdaq	Support	New	Normal	artdaq_epics_plugin		08/26/2020 03:25 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
21228	artdaq	Feature	New	Normal	A script should be made available where it's easy for users to update the branches in their installation's git repos	John Freeman	10/24/2018 05:02 PM
21164	artdaq	Idea	New	Normal	A simple-test-config that has configure-only BRs might be useful to help mimic protoDUNE-like systems		10/16/2018 11:33 AM
20430	artdaq	Support	Assigned	Normal	Assist in the rollout of the metadata art module for protoDUNE	Kurt Biery	07/24/2018 04:18 PM

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20608	artdaq	Support	Resolved	Normal	Assist in the setup of an artdaq-database (MongoDB) instance on np04-srv-009 for RunControl testing there	John Freeman	08/20/2018 04:07 PM
20607	artdaq	Support	Work in progress	Low	Assist in the setup of the DUNE cold electronics teststand at PAB		10/09/2018 01:21 PM
20344	artdaq	Support	Work in progress	Normal	At protoDUNE, either turn off core dumps or implement something to clean up core files		08/01/2018 09:29 AM
15000	artdaq	Support	New	Normal	Audit all messages produced by artdaq during normal running		11/05/2019 09:09 AM
20335	artdaq	Bug	New	Normal	BoardReader intermittent crash at endrun		07/18/2018 08:29 AM
21738	artdaq	Support	Resolved	Normal	BoardReader memory usage increases with using circular_buffer_mode_example and nADCcounts of 200		11/08/2019 10:17 AM
20580	artdaq	Feature	Assigned	Normal	Bookkeep max_event_size_bytes to reflect different fragment sizes from different fragment generators	John Freeman	08/28/2018 09:16 AM

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