

## Unassigned Issues

#	Project	Tracker	Status	Subject	Author	Updated
<b>ACNET Service (3)</b>						
14368	ACNET Service	Bug	Closed	acnetd is frequently reporting QUEUE_FULL on idle clients	Richard Neswold	11/03/2016 10:44 AM
15180	ACNET Service	Feature	New	Need an easy way to kill TCP clients' connections	Richard Neswold	01/18/2017 10:39 AM
16707	ACNET Service	Feature	New	Find an alternate to 'nodeds'	Richard Neswold	05/30/2017 10:53 AM
<b>AD Controls Department (1)</b>						
20111	AD Controls Department	Feature	Work in progress	Add clock type to event specification	Richard Neswold	06/07/2018 10:44 AM
<b>AD ESH Department, Interlocks Group (9)</b>						
21852	AD ESH Department, Interlocks Group	Feature	New	SVG to ApeMan	Beau Harrison	02/06/2019 09:55 AM
21853	AD ESH Department, Interlocks Group	Feature	New	OPC-UA Client	Beau Harrison	02/06/2019 10:03 AM
21842	AD ESH Department, Interlocks Group	Feature	New	RS-485 Protocol	Beau Harrison	02/06/2019 10:03 AM
21840	AD ESH Department, Interlocks Group	Feature	New	Unified LEPR/PLC Protocol	Beau Harrison	02/05/2019 08:42 AM
21837	AD ESH Department, Interlocks Group	Feature	New	Failure Transparency	Beau Harrison	02/05/2019 08:29 AM
21839	AD ESH Department, Interlocks Group	Support	New	XWindows Support is Fading	Beau Harrison	02/05/2019 08:37 AM
21838	AD ESH Department, Interlocks Group	Idea	New	Remove Shared Memory Model	Beau Harrison	02/05/2019 08:34 AM
21836	AD ESH Department, Interlocks Group	Necessary Maintenance	New	Scientific Linux 6 End of Life	Beau Harrison	02/05/2019 08:26 AM
21841	AD ESH Department, Interlocks Group	Necessary Maintenance	New	LEPR Upgrade	Beau Harrison	02/05/2019 09:17 AM
<b>adinstbpm (19)</b>						
18197	adinstbpm	Bug	New	Why do soft reboots sometime hang?	John Diamond	11/10/2017 10:14 AM
23334	adinstbpm	Bug	New	Review request [commit:9d6fb8c32be2b760ee703095242308551c178991: Removed commented syslog(..) calls that where replaced with TRACE.]	John Diamond	09/25/2019 03:06 PM
20450	adinstbpm	Bug	New	The number of samples argument to bpmcli dump does not respect multiple bunches	John Diamond	07/25/2018 03:47 PM
17746	adinstbpm	Bug	Rejected	Segfault every other time Acsys is restart	John Diamond	10/18/2017 08:19 PM
22493	adinstbpm	Milestone	New	PIP2IT BPM Project	John Diamond	06/14/2019 02:12 PM

#	Project	Tracker	Status	Subject	Author	Updated
17719	adinstbpm	Milestone	New	Booster operational test of one crate alongside existing BPM system	John Diamond	12/29/2017 11:08 AM
22556	adinstbpm	Milestone	New	Support rack-mount server architecture	John Diamond	06/14/2019 02:11 PM
19850	adinstbpm	Milestone	New	BPM Diagnostics Application	John Diamond	05/02/2018 09:28 AM
19607	adinstbpm	Milestone	New	IOTA ACNET Interface	John Diamond	10/17/2018 10:57 AM
18435	adinstbpm	Milestone	New	Support for GigE ADCs	John Diamond	11/30/2017 09:35 AM
20355	adinstbpm	Milestone	New	Deploy IOTA BPM hardware	John Diamond	08/22/2018 09:28 PM
20350	adinstbpm	Milestone	New	IOTA BPM deployment	John Diamond	10/17/2018 10:57 AM
20681	adinstbpm	Task	New	bpmd.conf for BBPL15	John Diamond	08/26/2018 02:41 PM
20665	adinstbpm	Task	New	Support multiple sets of coefficients for 2-D fits	John Diamond	08/22/2018 08:51 PM
18046	adinstbpm	Task	New	Refactor bpmcli 'dump_flash_history' command to be a CLICCommand	John Diamond	10/26/2017 04:23 PM
18047	adinstbpm	Task	New	Refactor bpmcli 'help' command to be a CLICCommand	John Diamond	10/26/2017 04:24 PM
20682	adinstbpm	Task	New	bpmd.config for BBPL15	John Diamond	08/26/2018 02:41 PM
20666	adinstbpm	Task	New	TCLK-driven arm and TBT readout for IOTA	John Diamond	08/22/2018 09:33 PM
20551	adinstbpm	Task	New	BPM-level delay configuration	John Diamond	08/07/2018 02:38 PM

### ADMIN (3)

9332	ADMIN	Bug	New	Can't open TBrowser in root on minos60	Thomas Carroll	06/30/2015 11:08 AM
7843	ADMIN	Support	New	Minos FY 2015 SPPM resource spreadsheet	Arthur Kreymer	02/12/2015 10:56 AM
10921	ADMIN	Support	New	ND DCS, DAQ, and Timing web pages all run on nusoft space	Alec Habig	11/12/2015 01:16 PM

### AdministrationOfCloudServices (29)

12135	AdministrationOfCloudServices	Bug	Closed	why does step2 fail sometimes	Steven Timm	05/09/2018 09:29 PM
12125	AdministrationOfCloudServices	Feature	Closed	Add version tracking and change log	Steven Timm	05/09/2018 09:34 PM
12126	AdministrationOfCloudServices	Feature	Closed	script cleanup of old AMI's	Steven Timm	05/09/2018 09:33 PM
12124	AdministrationOfCloudServices	Feature	Closed	Add mechanism to automatically update ami's in the various configurations	Steven Timm	05/09/2018 09:34 PM
15812	AdministrationOfCloudServices	Feature	Closed	Develop Auto-launch to launch the squid stacks on various AWS zones when needed.	Steven Timm	05/09/2018 03:11 PM
12127	AdministrationOfCloudServices	Feature	Closed	Unit test on completed AMI	Steven Timm	05/09/2018 09:33 PM
12120	AdministrationOfCloudServices	Task	Closed	Investigate route 53 configuration	Steven Timm	05/09/2018 09:36 PM
12583	AdministrationOfCloudServices	Task	Closed	Get the hep cloud user to be able to launch vm's only with S3_Allow_Upload_Download role	Steven Timm	05/09/2018 09:26 PM
12121	AdministrationOfCloudServices	Task	Closed	How to detect existing default VPC, subnets, default SG	Steven Timm	05/09/2018 09:35 PM
12129	AdministrationOfCloudServices	Task	Closed	See if HTCondor can override storage on existing AMI's	Steven Timm	05/09/2018 09:32 PM
12122	AdministrationOfCloudServices	Task	Closed	Unified Route 53 address across all AWS?	Steven Timm	05/09/2018 09:35 PM
14029	AdministrationOfCloudServices	Task	Closed	Monitoring: Make a Google Gratia probe	Steven Timm	05/09/2018 09:20 PM

#	Project	Tracker	Status	Subject	Author	Updated
12587	AdministrationOfCloudServices	Task	Closed	figure out how to test full VM workload without glideinWMS and how to split glideinwms payload so we can use cloud-init	Steven Timm	05/09/2018 09:25 PM
14045	AdministrationOfCloudServices	Task	Closed	Can decision engine condor_off -peaceful glideins in hot (expensive zones)	Steven Timm	05/09/2018 09:18 PM
12116	AdministrationOfCloudServices	Task	Closed	Squid server configuration doesn't match partition size	Steven Timm	05/09/2018 09:37 PM
12586	AdministrationOfCloudServices	Task	Closed	Limit IP's from which people can contact AWS	Steven Timm	03/02/2018 08:41 PM
12113	AdministrationOfCloudServices	Task	Closed	Get On-Demand Services to launch the cloudformation task with roles and special purpose user	Steven Timm	05/09/2018 09:39 PM
12133	AdministrationOfCloudServices	Task	Closed	Clean crud out of step1 image (fefimage-slf6-base)	Steven Timm	05/09/2018 09:30 PM
12118	AdministrationOfCloudServices	Task	Closed	Script the process of reconfiguring default SG	Steven Timm	05/09/2018 09:36 PM
12581	AdministrationOfCloudServices	Task	Closed	Need to automate AWS key rotation	Steven Timm	12/01/2017 04:38 PM
12584	AdministrationOfCloudServices	Task	Closed	Make a hot zone map of where VM's are running and how much we are paying	Steven Timm	05/09/2018 09:26 PM
12568	AdministrationOfCloudServices	Task	Closed	Investigate why we make 2 snapshots	Steven Timm	05/09/2018 09:29 PM
12119	AdministrationOfCloudServices	Task	Closed	Put hook in decision engine to detect whether on-demand services are running, and launch them if necessary, and not send out jobs until they are up	Steven Timm	05/09/2018 09:36 PM
12130	AdministrationOfCloudServices	Task	Closed	Disable auto-yum updates in AWS images	Steven Timm	05/09/2018 09:31 PM
12117	AdministrationOfCloudServices	Task	Closed	Make a script to create the Squid-SG security group	Steven Timm	05/09/2018 09:37 PM
12123	AdministrationOfCloudServices	Task	Closed	squid servers: tune ELB scale up / scale down levels	Steven Timm	05/09/2018 09:34 PM
12132	AdministrationOfCloudServices	Task	Closed	Move current imaging processes to run on bare metal machines	Steven Timm	05/09/2018 09:31 PM
12134	AdministrationOfCloudServices	Task	Closed	Test. D. Dykstra work with VPC endpoints	Steven Timm	05/09/2018 09:30 PM
12115	AdministrationOfCloudServices	Task	Closed	Complete testing of D. Dykstra ELB-free squid	Steven Timm	05/09/2018 09:38 PM

### Aged Password Detector (1)

359	Aged Password Detector	Bug	New	Accommodate new Password_overdue view	Randy Reitz	03/15/2010 01:24 PM
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### AI-for-Accelerators (39)

22799	AI-for-Accelerators	Feature	New	Build offline training system	Gabriel Perdue	06/21/2019 11:44 AM
22794	AI-for-Accelerators	Feature	New	Develop solution for querying stored data	Gabriel Perdue	06/20/2019 04:45 PM
22918	AI-for-Accelerators	Feature	New	Data products, part 2	Gabriel Perdue	07/11/2019 01:40 PM
22802	AI-for-Accelerators	Feature	New	Build a distributed training system for faster turnaround	Gabriel Perdue	06/21/2019 11:44 AM
22833	AI-for-Accelerators	Feature	New	Build a "kick-started" candidate agent	Gabriel Perdue	06/27/2019 04:25 PM
22829	AI-for-Accelerators	Feature	New	Algorithm development, part I	Gabriel Perdue	06/27/2019 04:25 PM
22790	AI-for-Accelerators	Feature	New	Full current set data readout and storage	Gabriel Perdue	06/20/2019 04:41 PM
22800	AI-for-Accelerators	Feature	New	Build a framework for agent deployment	Gabriel Perdue	06/21/2019 11:43 AM
22839	AI-for-Accelerators	Milestone	New	Test algorithm implementation on hardware with hls4ml	Gabriel Perdue	06/28/2019 04:40 PM

#	Project	Tracker	Status	Subject	Author	Updated
22948	AI-for-Accelerators	Milestone	New	Project finalization	Gabriel Perdue	07/15/2019 04:23 PM
22947	AI-for-Accelerators	Milestone	New	Project extension exploration, part 1	Gabriel Perdue	07/15/2019 04:22 PM
22942	AI-for-Accelerators	Milestone	New	Historical agent	Gabriel Perdue	07/15/2019 04:19 PM
22787	AI-for-Accelerators	Milestone	New	Data Products, Part 1	Gabriel Perdue	06/20/2019 04:44 PM
22922	AI-for-Accelerators	Milestone	New	Hall work part 1	Gabriel Perdue	07/11/2019 01:42 PM
22932	AI-for-Accelerators	Milestone	New	Algorithm development, part 2	Gabriel Perdue	07/12/2019 03:18 PM
22936	AI-for-Accelerators	Task	New	Finalize list of required devices and catalogers	Gabriel Perdue	07/12/2019 03:19 PM
22920	AI-for-Accelerators	Task	New	Refine list of required devices and catalogers	Gabriel Perdue	07/11/2019 01:39 PM
22832	AI-for-Accelerators	Task	New	Train agent, iterating on different reinforcement learning paradigms and algorithms as needed	Gabriel Perdue	06/27/2019 04:24 PM
22791	AI-for-Accelerators	Task	New	Create list of initial set of devices and dataloggers (ACNET)	Gabriel Perdue	06/20/2019 04:42 PM
22842	AI-for-Accelerators	Task	New	Design ACNET input system for the board	Gabriel Perdue	06/28/2019 04:39 PM
22834	AI-for-Accelerators	Task	New	Train agent, iterating on different reinforcement learning paradigms and algorithms as needed	Gabriel Perdue	06/27/2019 04:25 PM
22943	AI-for-Accelerators	Task	New	Training mechanism validation	Gabriel Perdue	07/15/2019 04:20 PM
22935	AI-for-Accelerators	Task	New	Data products, part 3	Gabriel Perdue	07/12/2019 03:19 PM
22840	AI-for-Accelerators	Task	New	Test full workflow with boards on-hand	Gabriel Perdue	06/28/2019 04:38 PM
22831	AI-for-Accelerators	Task	New	Build agent for training from historical data - mimic current algorithm	Gabriel Perdue	06/27/2019 04:24 PM
22933	AI-for-Accelerators	Task	New	Investigate deployment to PC for "slow" inference and training	Gabriel Perdue	07/12/2019 03:17 PM
22944	AI-for-Accelerators	Task	New	Demonstrate training based on data collection with the RL agent using manual re-flashes of the FPGA	Gabriel Perdue	07/15/2019 04:20 PM
22801	AI-for-Accelerators	Task	New	Investigate TF-Agents, home-brew systems	Gabriel Perdue	06/21/2019 11:43 AM
22945	AI-for-Accelerators	Task	New	Demonstrate training based on data collection with the RL agent and automated re-flashes of the FPGA	Gabriel Perdue	07/15/2019 04:20 PM
22937	AI-for-Accelerators	Task	New	Finalize long-term storage estimates and required storage horizons	Gabriel Perdue	07/12/2019 03:20 PM
22830	AI-for-Accelerators	Task	New	Develop research plan for safe agent behavior	Gabriel Perdue	06/27/2019 04:22 PM
22923	AI-for-Accelerators	Task	New	Establish a safe and ORC-allowed work area with a PC for slow interface with the current control system.	Gabriel Perdue	07/11/2019 01:42 PM
22844	AI-for-Accelerators	Task	New	Understand required number of ops / computations / resources (what are the metrics and how do we decide?)	Gabriel Perdue	06/28/2019 04:40 PM
22921	AI-for-Accelerators	Task	New	Refine long-term storage estimates	Gabriel Perdue	07/11/2019 01:40 PM
22792	AI-for-Accelerators	Task	New	Set up long-term storage mechanism for data products	Gabriel Perdue	06/20/2019 04:44 PM
22934	AI-for-Accelerators	Task	New	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	Gabriel Perdue	07/12/2019 03:18 PM
22841	AI-for-Accelerators	Task	New	Understand input bandwidth requirements	Gabriel Perdue	06/28/2019 04:39 PM

#	Project	Tracker	Status	Subject	Author	Updated
22946	AI-for-Accelerators	Task	New	Demonstrate dynamic loading of weights without re-flashing the FPGA?	Gabriel Perdue	07/15/2019 04:21 PM
22793	AI-for-Accelerators	Task	New	Estimate storage requirements over 1, 3, 6, 12 month timelines	Gabriel Perdue	06/20/2019 04:44 PM

### ANNIE1-Assembly (21)

11097	ANNIE1-Assembly	Bug	New	Finalize crates and racks	Matthew Wetstein	04/06/2016 11:11 PM
8637	ANNIE1-Assembly	Milestone	New	Installation of plastic liner	Matthew Wetstein	04/06/2016 11:07 PM
11086	ANNIE1-Assembly	Milestone	New	Cabling of the installed tank	Matthew Wetstein	04/06/2016 11:08 PM
8631	ANNIE1-Assembly	Milestone	New	Lowering the tank in ANNIE Hall	Matthew Wetstein	04/06/2016 11:12 PM
11083	ANNIE1-Assembly	Milestone	New	Lower inner structure into tank at ANNIE Hall	Matthew Wetstein	04/06/2016 11:11 PM
11094	ANNIE1-Assembly	Milestone	New	Cut top of tank	Matthew Wetstein	12/06/2015 12:08 PM
11085	ANNIE1-Assembly	Milestone	New	NCV shipped to FNAL	Matthew Wetstein	04/06/2016 11:08 PM
11096	ANNIE1-Assembly	Milestone	New	Prelim ORC inspection	Matthew Wetstein	04/06/2016 11:12 PM
11099	ANNIE1-Assembly	Task	New	Installation of Forward Veto Cabling	Matthew Wetstein	04/06/2016 11:07 PM
11079	ANNIE1-Assembly	Task	New	Spot testing of PMTs	Matthew Wetstein	04/06/2016 11:05 PM
11095	ANNIE1-Assembly	Task	New	Populate Crates in Hall	Matthew Wetstein	04/06/2016 11:06 PM
11084	ANNIE1-Assembly	Task	New	Construction of NCV	Matthew Wetstein	04/06/2016 11:07 PM
11081	ANNIE1-Assembly	Task	New	Practice lower inner structure into tank	Matthew Wetstein	04/06/2016 11:06 PM
8577	ANNIE1-Assembly	Task	New	Water fill	Matthew Wetstein	01/25/2018 07:11 AM
11090	ANNIE1-Assembly	Task	New	PMT cabling and shipping	Matthew Wetstein	04/06/2016 11:05 PM
11093	ANNIE1-Assembly	Task	New	Modify top of tank, add round offs	Matthew Wetstein	01/12/2016 02:36 PM
8576	ANNIE1-Assembly	Task	New	Assembly and installation of PMT modules	Matthew Wetstein	04/06/2016 11:06 PM
11089	ANNIE1-Assembly	Task	New	Set up water skid and recirculation system	Matthew Wetstein	01/25/2018 07:20 AM
11082	ANNIE1-Assembly	Task	New	Access Platform: construction and installation	Matthew Wetstein	04/06/2016 11:11 PM
11078	ANNIE1-Assembly	Task	New	Development of PMT installation procedure	Matthew Wetstein	04/06/2016 11:05 PM
11080	ANNIE1-Assembly	Task	New	Construction of Inner Structure	Matthew Wetstein	01/12/2016 02:29 AM

### ANNIE1-Commissioning (6)

11098	ANNIE1-Commissioning	Milestone	New	Final ORC review	Matthew Wetstein	01/25/2018 07:20 AM
11087	ANNIE1-Commissioning	Task	New	DAQ commissioning	Matthew Wetstein	01/25/2018 07:10 AM
11088	ANNIE1-Commissioning	Task	New	Detector commissioning with water	Matthew Wetstein	01/25/2018 07:21 AM
8636	ANNIE1-Commissioning	Task	New	Installation and commissioning of NCV	Matthew Wetstein	01/25/2018 07:11 AM
8599	ANNIE1-Commissioning	Task	New	Begin Run1 data taking	Matthew Wetstein	01/25/2018 07:11 AM
8600	ANNIE1-Commissioning	Task	New	Dark commissioning of PMTs in ANNIE Hall (no water)	Matthew Wetstein	01/25/2018 07:10 AM

### ANNIE1-electronics-design (12)

#	Project	Tracker	Status	Subject	Author	Updated
8912	ANNIE1-electronics-design	Meeting	Closed	Discuss development of new Central card	Matthew Wetstein	10/09/2015 01:14 PM
8816	ANNIE1-electronics-design	Milestone	New	What is our calibration system?	Matthew Wetstein	01/25/2018 07:13 AM
8815	ANNIE1-electronics-design	Task	New	Final Decision on MRD and veto electronics	Matthew Wetstein	04/06/2016 11:08 PM
10512	ANNIE1-electronics-design	Task	New	Test final pickoff/splitter	Jonathan Eisch	04/06/2016 11:14 PM
11349	ANNIE1-electronics-design	Task	New	DAQ board reader TOOL	Benjamin Richards	01/15/2016 08:05 AM
11345	ANNIE1-electronics-design	Task	New	DAQ Serialisation	Benjamin Richards	01/05/2016 08:17 AM
11348	ANNIE1-electronics-design	Task	New	Postgress setup	Benjamin Richards	01/05/2016 08:22 AM
8804	ANNIE1-electronics-design	Task	Closed	Follow up with PREP on LeCroy 1440s	Matthew Wetstein	10/09/2015 01:05 PM
8807	ANNIE1-electronics-design	Task	Closed	Get FADCs from UChicago	Matthew Wetstein	10/06/2015 01:45 PM
10465	ANNIE1-electronics-design	Task	Closed	Get FNAL EE staff to signoff on the enclosure design	Jonathan Eisch	12/17/2015 05:03 PM
8907	ANNIE1-electronics-design	Task	Closed	Ship PSEC eval card to QMUL	Matthew Wetstein	10/09/2015 01:11 PM
10469	ANNIE1-electronics-design	Task	Closed	Order rack enclosure	Jonathan Eisch	12/18/2015 02:43 PM

#### ANNIE1-MCstudies (4)

8628	ANNIE1-MCstudies	Bug	New	Optimization of acrylic volume	Matthew Wetstein	05/06/2015 09:43 AM
8627	ANNIE1-MCstudies	Task	New	SciBooNE driven calculation of skyshine rates	Matthew Wetstein	06/04/2015 10:33 AM
8625	ANNIE1-MCstudies	Task	New	Full MC model with 3D PMTs to study neutron tagging efficiencies	Matthew Wetstein	01/25/2018 07:24 AM
8623	ANNIE1-MCstudies	Task	New	Geant-based estimate of beam neutron rates and energies	Matthew Wetstein	01/25/2018 07:22 AM

#### ANNIE1-mechanical-design (7)

8855	ANNIE1-mechanical-design	Milestone	New	Design of veto structure	Matthew Wetstein	08/05/2015 11:55 PM
8854	ANNIE1-mechanical-design	Task	New	Ship the muon veto structure	Matthew Wetstein	08/05/2015 11:47 PM
8853	ANNIE1-mechanical-design	Task	New	Water system shipped to FNAL for storage	Matthew Wetstein	12/06/2015 10:24 AM
11076	ANNIE1-mechanical-design	Task	New	Final decision on liner specs and estimate	Matthew Wetstein	01/12/2016 02:33 AM
11092	ANNIE1-mechanical-design	Task	New	Finish design of PMT holders	Matthew Wetstein	01/22/2016 08:51 AM
8573	ANNIE1-mechanical-design	Task	New	Approval to purchase tank, from IA State Purchasing	Matthew Wetstein	05/27/2015 07:54 AM
8572	ANNIE1-mechanical-design	Task	New	Fermilab approval for tank purchase	Matthew Wetstein	06/09/2015 02:01 AM

#### ANNIE1-MRD-design (4)

8617	ANNIE1-MRD-design	Task	New	Follow up with NMSU about keeping the MRD Scintillator	Matthew Wetstein	12/18/2015 09:22 AM
8616	ANNIE1-MRD-design	Task	New	Follow up on Fermilab PMTs/Scintillator	Matthew Wetstein	06/09/2015 02:02 AM
8615	ANNIE1-MRD-design	Task	New	Arrange to get the Kansas/Syracuse PMTs and scintillator	Matthew Wetstein	06/05/2015 06:42 AM
8618	ANNIE1-MRD-design	Task	New	Sign over stewardship of the MRD steel	Matthew Wetstein	06/05/2015 06:39 AM

#### ANNIE1-Planning (4)

#	Project	Tracker	Status	Subject	Author	Updated
8630	ANNIE1-Planning	Meeting	New	ANNIE Run 1 Electronics Review	Matthew Wetstein	05/06/2015 09:47 AM
8629	ANNIE1-Planning	Meeting	New	Run 1 Mechanical Review	Matthew Wetstein	01/22/2016 08:51 AM
8638	ANNIE1-Planning	Milestone	New	Complete TSW for ANNIE experiment	Matthew Wetstein	12/16/2015 11:56 PM
8575	ANNIE1-Planning	Task	New	Contact Stephen Geer about June PAC meeting	Matthew Wetstein	05/21/2015 10:07 AM
<b>ANNIE1-Staging (6)</b>						
11077	ANNIE1-Staging	Milestone	New	Liner: collab buy-in, place order	Matthew Wetstein	01/12/2016 02:32 AM
8571	ANNIE1-Staging	Milestone	New	Tank Manufacture	Matthew Wetstein	12/06/2015 11:38 AM
11091	ANNIE1-Staging	Milestone	New	Prototype PMT holder	Matthew Wetstein	04/06/2016 11:10 PM
11100	ANNIE1-Staging	Task	New	Cables for Forward Veto	Matthew Wetstein	04/06/2016 11:09 PM
8634	ANNIE1-Staging	Task	New	Order materials for PMT structure	Matthew Wetstein	04/06/2016 11:09 PM
8633	ANNIE1-Staging	Task	New	MRD + veto system testing	Matthew Wetstein	04/06/2016 11:09 PM
<b>ANNIE1-veto-installation (1)</b>						
8856	ANNIE1-veto-installation	Milestone	New	Installation of Veto structure	Matthew Wetstein	12/06/2015 10:42 AM
<b>ANNIE2-Assembly (3)</b>						
18929	ANNIE2-Assembly	Task	New	Functional test of new MRD layers	Matthew Wetstein	02/09/2018 09:07 AM
18930	ANNIE2-Assembly	Task	New	In situ calibration of MRD layers	Matthew Wetstein	02/09/2018 09:07 AM
18928	ANNIE2-Assembly	Task	New	Finish MRD Refurbishment	Matthew Wetstein	02/09/2018 09:06 AM
<b>ANNIE2-electronics-design (6)</b>						
17916	ANNIE2-electronics-design	Bug	New	readACDC after setConfig is all 0	Miles Lucas	10/31/2017 10:09 AM
18935	ANNIE2-electronics-design	Milestone	New	Rack protection plan	Matthew Wetstein	02/09/2018 09:16 AM
18936	ANNIE2-electronics-design	Milestone	New	Power distribution plan	Matthew Wetstein	02/09/2018 09:16 AM
18934	ANNIE2-electronics-design	Milestone	New	Final crate and rack maps	Matthew Wetstein	02/09/2018 09:15 AM
18937	ANNIE2-electronics-design	Task	New	Design the backboard for the LAPPD with ACDC connectors	Matthew Wetstein	02/09/2018 09:31 AM
18938	ANNIE2-electronics-design	Task	New	Design for separate ACDC voltage regulator board	Matthew Wetstein	02/09/2018 09:43 AM
<b>ANNIE2-electronics-readiness (3)</b>						
18931	ANNIE2-electronics-readiness	Task	New	Finish new ACDC-ACC interface firmware	Matthew Wetstein	02/09/2018 09:12 AM
18932	ANNIE2-electronics-readiness	Task	New	Ethernet interface for ACC	Matthew Wetstein	02/09/2018 09:13 AM
18933	ANNIE2-electronics-readiness	Task	New	Firmware upgrades for KOTO boards (2 different trigger schemes)	Matthew Wetstein	02/09/2018 09:13 AM
<b>ANNIE2-mechanical-design (17)</b>						
18557	ANNIE2-mechanical-design	Bug	New	How to mount the WATCHMAN PMTs	Matthew Wetstein	12/14/2017 01:09 PM

#	Project	Tracker	Status	Subject	Author	Updated
18558	ANNIE2-mechanical-design	Bug	New	How to mount the LUX PMTs on the bottom	Matthew Wetstein	01/25/2018 07:50 AM
18559	ANNIE2-mechanical-design	Bug	New	Holders and Mount Concepts for new 10" PMTs	Matthew Wetstein	01/25/2018 07:57 AM
18939	ANNIE2-mechanical-design	Milestone	New	Identify new tank liner	Matthew Wetstein	06/13/2018 01:30 AM
18941	ANNIE2-mechanical-design	Milestone	New	Final Review of the Tank Lid design	Matthew Wetstein	02/09/2018 09:48 AM
18565	ANNIE2-mechanical-design	Task	New	Final layout of new LAPPD housing	Matthew Wetstein	06/12/2018 09:19 AM
18566	ANNIE2-mechanical-design	Task	New	Finalize design of timing calibration system	Matthew Wetstein	01/25/2018 07:39 AM
18570	ANNIE2-mechanical-design	Task	New	Finalize experimental layout in the hall	Matthew Wetstein	12/14/2017 01:39 PM
18564	ANNIE2-mechanical-design	Task	New	Separate voltage regulators from ACDCs to separate board	Matthew Wetstein	06/12/2018 09:20 AM
18556	ANNIE2-mechanical-design	Task	New	Design of the new tank lid	Matthew Wetstein	01/25/2018 07:34 AM
18560	ANNIE2-mechanical-design	Task	New	Figure out how to optically isolate the inner volume	Matthew Wetstein	12/14/2017 01:14 PM
18562	ANNIE2-mechanical-design	Task	New	Draft LAPPD mounting board design	Matthew Wetstein	06/12/2018 09:19 AM
18571	ANNIE2-mechanical-design	Task	New	Finalize design and layout of water system	Matthew Wetstein	01/25/2018 07:40 AM
18569	ANNIE2-mechanical-design	Task	New	Revise Specification Doc.	Emrah Tiras	06/12/2018 09:18 AM
18568	ANNIE2-mechanical-design	Task	New	Finalize design of transparency calibration system	Matthew Wetstein	12/14/2017 01:34 PM
18572	ANNIE2-mechanical-design	Task	New	Cleanliness and handling strategy	Emrah Tiras	06/12/2018 09:20 AM
18567	ANNIE2-mechanical-design	Task	New	Finalize design of source calibration system	Matthew Wetstein	12/14/2017 01:33 PM

### Applications Group (1)

23351	Applications Group	Idea	New	Reimagining the Parameter Page	Beau Harrison	09/30/2019 08:27 AM
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### art (244)

7526	art	Bug	Feedback	Follow up on Parameter Set bloat	Rob Kutschke	10/23/2017 12:12 PM
1343	art	Bug	Closed	Configuring the message logger	Rob Kutschke	06/16/2011 01:57 PM
19890	art	Bug	Closed	art requires dictionary for non-persistent product	Raymond Culbertson	01/31/2019 02:06 PM
3553	art	Bug	Closed	dlopen: cannot load any more object with static TLS	Andrei Gaponenko	10/03/2013 03:15 PM
10544	art	Bug	Closed	Unexpected error when trying to run MCShower maker	Jonathan Asaadi	12/17/2015 01:42 PM
10491	art	Bug	Closed	memory spike at the end of a job	Andrei Gaponenko	12/17/2015 01:33 PM
6700	art	Bug	Closed	ifdh_fetch to /nova/app does not work in ifdh_art v1_4_3	Kanika Sachdev	07/28/2014 06:45 PM
13692	art	Bug	Closed	Web page for gallery v1_03_06 download has an error	Marc Paterno	08/26/2016 09:51 AM
7375	art	Bug	Closed	The qualifier s5 should not mean art v1_12_* it should mean a single version of art	Rob Kutschke	02/16/2015 11:21 AM
7351	art	Bug	Closed	root gui bug in v1_12_00	Herbert Greenlee	10/23/2017 12:12 PM
3756	art	Bug	Closed	Make.config in GENIE v3665c	William Seligman	04/23/2013 05:51 PM
3119	art	Bug	Closed	Version 1.02.05 (and develop) have a circular dependency.	Christopher Green	08/09/2013 11:34 AM



#	Project	Tracker	Status	Subject	Author	Updated
15665	art	Bug	Closed	gPad->WaitForPrimitive does not work in v6_08_04c	Rob Kutschke	02/28/2017 01:17 PM
2992	art	Bug	Closed	"-n -1" no longer means "unlimited" on the command line	Christopher Backhouse	01/11/2013 11:10 AM
16042	art	Bug	Closed	exception in art v2	Pavel Murat	04/26/2017 11:21 AM
10627	art	Bug	Closed	Output module template art::ProvenanceDumper now forces the detail class to do parameter set validation	Rob Kutschke	12/23/2015 08:55 AM
12322	art	Bug	Closed	Invalid canonical fcl output	Herbert Greenlee	05/24/2016 09:54 AM
6344	art	Bug	Closed	Filter out output of some art services	Gianluca Petrillo	02/16/2015 10:32 AM
16678	art	Bug	Closed	segfault running FileDumperOutput on older file with missing dictionaries.	Christopher Green	10/18/2017 01:47 PM
3647	art	Bug	Closed	artmod created Module missing needed #include Event.h	Jan Zirnstein	04/23/2013 10:07 AM
915	art	Bug	Closed	Reproduce minimally and report a (Reflex?) bug in processing of vector<Prong const *>	Christopher Green	12/09/2011 02:51 PM
938	art	Bug	Rejected	code in art should not be directly throwing cet::exception; use art::Exception	Marc Paterno	07/25/2013 10:44 AM
1057	art	Bug	Rejected	Specifying maximum output file size does not work	Brian Rebel	07/25/2013 12:13 PM
961	art	Bug	Rejected	EDProducer to read data products from another event data file.	Rob Kutschke	02/11/2011 11:54 AM
5167	art	Bug	Rejected	Data product sizes reported by FileDumperOutput	Rob Kutschke	01/13/2014 12:10 PM
10386	art	Bug	Rejected	Tentative bug report: Using cetbuildtools v4_12_6 , cmake stage fails..	Paul Lebrun	10/05/2015 10:03 AM
12391	art	Bug	Rejected	PtrVectorBase member data could undergo narrowing conversion when reading a linux-produced data file on a Mac.	Christopher Green	04/25/2016 11:34 AM
10140	art	Bug	Rejected	Failure to specify option argument can lead to overwritten input files	Kyle Knoepfel	09/14/2015 12:06 PM
6094	art	Bug	Rejected	Fcl expansion doesn't handle absolute path includes.	Herbert Greenlee	05/01/2014 10:42 AM
919	art	Bug	Rejected	Investigate report of problem with floating point exception control service.	Christopher Green	07/25/2013 10:36 AM
13833	art	Bug	Rejected	artmod still produces #include "art/Utilities/InputTag.h"	Tingjun Yang	09/13/2016 03:49 PM
14294	art	Bug	Rejected	'boost::filesystem::path' has no member named 'native' when trying to build novasoft with art2/root6	Christopher Backhouse	10/31/2016 11:30 AM
3321	art	Bug	Rejected	Services do not call preBeginRun, endJob etc...	Denis Perevalov	01/18/2013 11:09 AM
3134	art	Bug	Rejected	Non-informative exception thrown if FHICL parameter isn't found in a Service constructor	Adam Lyon	08/06/2013 02:59 PM
2947	art	Bug	Rejected	Fhicl allows creation of new parameters in the configuration in the job file	Denis Perevalov	09/21/2012 11:24 AM
21964	art	Bug	Accepted	Misleading output in case of exceptions	Giuseppe Cerati	02/25/2019 10:25 AM
23317	art	Bug	Accepted	TriggerResults path ordering	Wesley Ketchum	11/04/2019 10:43 AM
1043	art	Bug	Accepted	art::getFileFormatVersion and art::getFileFormatEra should be renamed	Marc Paterno	10/23/2017 12:12 PM
9822	art	Bug	Accepted	Misleading diagnostics by art framework	Pavel Murat	08/17/2015 12:11 PM
16249	art	Bug	Accepted	building art on minsky.fnal.gov	Lynn Garren	04/26/2017 11:34 AM
909	art	Bug	Accepted	Event::getView should return false (per design) rather than throw in specified cases.	Christopher Green	10/23/2017 12:12 PM

#	Project	Tracker	Status	Subject	Author	Updated
13274	art	Bug	Accepted	Some dead links in art wiki: ROOT schema evolution	Gianluca Petrillo	07/18/2016 11:24 AM
10833	art	Bug	Accepted	Incorrect framing of information about an exception thrown in the beginRun callback of an art::Service	Rob Kutschke	04/23/2018 10:51 AM
13675	art	Bug	Accepted	messagefacility sqlite plugin test sporadic failure on OSX	Marc Paterno	08/29/2016 11:35 AM
3571	art	Bug	Accepted	Message logger configuration	Rob Kutschke	10/23/2017 12:12 PM
12857	art	Bug	Remission	Build-time dictionary checking has dangerous false positives	Christopher Green	06/06/2016 11:40 AM
11634	art	Bug	Remission	Unexpected message from ROOT	Rob Kutschke	02/08/2016 11:21 AM
18305	art	Bug	Remission	TimeTracker database output option sometimes causes exception	David Brown	12/06/2017 10:00 AM
1316	art	Feature	Feedback	Snapshot histogram file	Mark Messier	10/23/2017 12:12 PM
18628	art	Feature	Feedback	expand Results concept	Raymond Culbertson	01/25/2018 09:30 AM
4916	art	Feature	Feedback	Implement SelectRuns and SelectSubRuns	Christopher Backhouse	10/23/2017 12:12 PM
2943	art	Feature	Feedback	ResourceWatch utility	Rob Kutschke	10/23/2017 12:12 PM
7662	art	Feature	Feedback	Allow absolute include paths in fcls	Christopher Backhouse	10/23/2017 12:12 PM
10410	art	Feature	Feedback	Request option for first-match-in-LD_LIBRARY_PATH for resolving art plugins	Rob Kutschke	10/19/2015 12:53 PM
5775	art	Feature	Feedback	Support for arbitrary, random-file access	Nathaniel Tagg	10/23/2017 12:12 PM
10750	art	Feature	Feedback	lazy loading of the parameter set database	Andrei Gaponenko	08/29/2016 04:21 PM
6387	art	Feature	Feedback	Provide versioning API in art_Framework_Core instead of art_Version	Ben Morgan	10/23/2017 12:12 PM
5795	art	Feature	Feedback	code version control provenance	Brendan Kiburg	10/23/2017 12:12 PM
5790	art	Feature	Feedback	It should be possible to discover the art metadata for an object.	Herbert Greenlee	10/23/2017 12:12 PM
4907	art	Feature	Feedback	Provide Run::isRealData() and SubRun::isRealData()	Christopher Backhouse	10/23/2017 12:12 PM
11839	art	Feature	Feedback	Add respondToOpenInputFile method to ResultsProducer	Brian Rebel	03/03/2016 03:21 PM
15381	art	Feature	Closed	Migrate code from CMSSW FWCore/Concurrency	Marc Paterno	06/05/2018 03:27 PM
3067	art	Feature	Closed	access to ParameterSet of a producer module	Andrei Gaponenko	12/17/2015 01:53 PM
7294	art	Feature	Closed	list dynamic libraries	Herbert Greenlee	10/23/2017 12:12 PM
7322	art	Feature	Closed	Change in fastCloning default value	Wesley Ketchum	10/23/2017 12:12 PM
10554	art	Feature	Closed	Save TimeTracker DB to output art-ROOT file or TFileService file.	Dominick Rocco	08/29/2016 11:52 AM
2445	art	Feature	Closed	Request improved error message	Rob Kutschke	10/07/2015 02:00 PM
13852	art	Feature	Closed	Stop event loop dynamically end exit with status 0	Pengfei Ding	02/16/2018 12:32 PM
15389	art	Feature	Closed	Get "legacy" modules running using TBB tasks.	Marc Paterno	06/05/2018 03:26 PM
11118	art	Feature	Closed	SelectEvents setting should respect filters by default	Christopher Backhouse	08/29/2016 12:08 PM
15392	art	Feature	Closed	Introduce "stream" modules	Marc Paterno	06/05/2018 03:55 PM
2629	art	Feature	Closed	ReaderSource should allow the detail class to decide whether fileName[] is required, and cope accordingly.	Christopher Green	08/09/2013 11:31 AM

#	Project	Tracker	Status	Subject	Author	Updated
5474	art	Feature	Closed	Nicer syntax for iterating over std::Handle<std::vector<...	Christopher Backhouse	10/23/2017 12:12 PM
18159	art	Feature	Closed	Another request for FileDumperOutput ...	Rob Kutschke	08/20/2018 09:57 AM
2477	art	Feature	Closed	controlling art printouts	Andrei Gaponenko	10/23/2017 12:12 PM
2886	art	Feature	Closed	All configured services shall be created	Adam Lyon	08/24/2012 11:56 AM
22776	art	Feature	Closed	More helpful error message when a module isn't found in the modules list of "prune_configuration.cc".	Jason Stock	06/20/2019 08:30 AM
4107	art	Feature	Closed	A candidate function for FHICLCP	Rob Kutschke	10/07/2015 01:52 PM
3737	art	Feature	Closed	improve the ability to auto detect the need to disable fast cloning	Rob Kutschke	08/22/2016 11:27 AM
15386	art	Feature	Closed	Add basic level of setting context information	Marc Paterno	06/05/2018 03:26 PM
7818	art	Feature	Closed	Request that ProductNotFound rethrow by default	Rob Kutschke	10/18/2017 03:00 PM
3055	art	Feature	Closed	art utility for monitoring file size contributions by new objects	Gavin Davies	10/01/2015 01:26 PM
8653	art	Feature	Closed	Build and run art with ROOT6	Ben Morgan	12/17/2015 01:31 PM
17634	art	Feature	Closed	Consider variants of FindMany and friends that perform lookup by Ptr	Christopher Backhouse	01/02/2018 01:14 PM
8842	art	Feature	Closed	Facility for quick bootstrapping of development	Marc Paterno	04/23/2018 11:06 AM
890	art	Feature	Closed	Review linking of shared libraries.	Christopher Green	07/24/2013 04:01 PM
3401	art	Feature	Closed	Facility to input metadata from user space	Andrew Norman	09/19/2013 03:15 PM
2701	art	Feature	Closed	turn off exception catching	Herbert Greenlee	08/24/2012 12:14 PM
911	art	Feature	Closed	Investigate storage of exceptions in Handle and friends and whether it can be improved.	Christopher Green	07/19/2012 01:08 PM
15385	art	Feature	Closed	Introduce context classes	Marc Paterno	06/05/2018 03:25 PM
963	art	Feature	Closed	EDProducer to read data products from another event data file.	Rob Kutschke	12/09/2011 03:13 PM
1758	art	Feature	Closed	Histograms in shared memory	Mark Messier	10/23/2017 12:12 PM
2463	art	Feature	Closed	Seeding the random engines inside the MixFilter templates	Rob Kutschke	03/02/2012 11:32 AM
8698	art	Feature	Closed	Remove use of Reflex	Marc Paterno	12/17/2015 01:31 PM
900	art	Feature	Closed	EventID should have the subRunID as part of its data	Christopher Green	12/09/2011 11:55 AM
15384	art	Feature	Closed	Introduce context system.	Marc Paterno	06/05/2018 03:26 PM
3925	art	Feature	Closed	ValidHandle::id()	Andrei Gaponenko	05/24/2013 02:28 PM
2869	art	Feature	Closed	Access to FCL parameter comments	Mark Messier	08/31/2012 11:11 AM
3190	art	Feature	Closed	Allow for reconfiguration in a DAQ environment	Kurt Biery	10/23/2017 12:12 PM
15390	art	Feature	Closed	Introduce "one" modules	Marc Paterno	06/05/2018 03:54 PM
15383	art	Feature	Closed	Introduce StreamSchedule, etc.	Marc Paterno	06/05/2018 03:32 PM
894	art	Feature	Closed	Investigate whether simple_plugin Cmake macro can be improved to not require dict subdirectory.	Christopher Green	12/09/2011 11:44 AM
19972	art	Feature	Closed	configuring producing service	Raymond Culbertson	06/06/2018 08:26 AM

#	Project	Tracker	Status	Subject	Author	Updated
15380	art	Feature	Closed	Introduction of multi-threaded running	Marc Paterno	06/05/2018 03:55 PM
8699	art	Feature	Closed	Segregate use of Reflex	Marc Paterno	12/17/2015 01:31 PM
2397	art	Feature	Closed	Interface to the ART "user" database (file's SQLite DB)	Adam Lyon	09/19/2013 03:27 PM
2887	art	Feature	Closed	Allow modules to call library code to register their products	Adam Lyon	08/24/2012 12:09 PM
18923	art	Feature	Closed	Printout option of Memory Tracker service	Liang Li	06/06/2018 08:32 AM
11119	art	Feature	Closed	Allow an EDFilter to not produce all products if it's returning false	Christopher Backhouse	08/29/2016 12:09 PM
6368	art	Feature	Closed	A "print" feature to assist in debugging	Rob Kutschke	11/28/2016 11:58 AM
15391	art	Feature	Closed	Introduce "global" modules	Marc Paterno	06/05/2018 03:55 PM
5690	art	Feature	Closed	FCL file parameters not properly tracked	Wesley Ketchum	05/01/2014 03:29 PM
891	art	Feature	Closed	Migrate simple_plugin Cmake macro to art package.	Christopher Green	12/09/2011 11:44 AM
2751	art	Feature	Closed	Use of ART-service in standalone scripts, not depending on ART	Denis Perevalov	08/24/2012 11:59 AM
10969	art	Feature	Closed	Provide VERSION macro exports	Eric Flumerfelt	08/29/2016 12:07 PM
1127	art	Feature	Closed	Re-write art::Group::getProductType() to not use product()	Christopher Green	07/19/2012 01:09 PM
3768	art	Feature	Closed	Provide command line override for EmptyEvent module parameter firstEvent.	Herbert Greenlee	06/03/2013 02:13 PM
1632	art	Feature	Closed	-e command line option ignored	Mark Messier	07/30/2014 06:29 PM
2317	art	Feature	Rejected	On demand loading of services when handle is requested	Brian Rebel	08/24/2012 12:17 PM
1025	art	Feature	Rejected	end_paths and trigger_paths are now unnecessary and should be retired.	Christopher Green	07/25/2013 12:03 PM
1062	art	Feature	Rejected	Quick reference guide for documentation site	Brian Rebel	07/25/2013 01:47 PM
3105	art	Feature	Rejected	Product Not Found exception is not caught for art::Event::getView()	Brian Rebel	02/26/2013 09:54 AM
9803	art	Feature	Rejected	Input files with no events	G2Muon G2Muon	10/08/2015 10:26 AM
6403	art	Feature	Rejected	PtrVector should have emplace_back to better match the interface of vector<Ptr>	Marc Paterno	06/03/2014 02:26 PM
903	art	Feature	Rejected	Create forwarding headers in each library with standard naming (fwd.h).	Christopher Green	07/24/2013 04:44 PM
1010	art	Feature	Rejected	CheckUpsVersion to provide functions usable in IF checks	Christopher Green	12/09/2011 03:16 PM
895	art	Feature	Rejected	Revise ROOT-based I/O to incorporate improvements in CMS code base	Christopher Green	12/09/2011 11:46 AM
905	art	Feature	Rejected	Review and port MessageLogger changes from CMS repository to MF since fork.	Christopher Green	12/09/2011 12:02 PM
899	art	Feature	Rejected	Should module_label continue to be injected into each module?	Christopher Green	06/26/2012 01:34 PM
3773	art	Feature	Rejected	Improved ability to control when RootOutput will close and open output files.	Herbert Greenlee	05/27/2015 09:49 AM
898	art	Feature	Rejected	Allow underscores in Product class specifications.	Christopher Green	12/09/2011 11:48 AM
906	art	Feature	Rejected	Address the mf::service namespace issue.	Christopher Green	12/09/2011 02:28 PM
2334	art	Feature	Rejected	Another candidate for cetlib?	Rob Kutschke	08/02/2013 02:16 PM
6557	art	Feature	Rejected	multi-file product reading for ROOT input module	Jim Kowalkowski	07/21/2014 11:37 AM

#	Project	Tracker	Status	Subject	Author	Updated
2664	art	Feature	Rejected	Update "Can't find key BEGIN..." error message to include the module/service looking for the key	Brian Rebel	08/05/2013 01:20 PM
3077	art	Feature	Rejected	Request comparison functions for art::Ptr	Rob Kutschke	11/02/2012 11:39 AM
945	art	Feature	Rejected	Set up LXR browser for all projects.	Christopher Green	12/09/2011 03:09 PM
3946	art	Feature	Rejected	ActivityRegistry callbacks preCloseFile and postCloseFile should pass the file name as an argument.	Herbert Greenlee	08/09/2013 04:07 PM
3188	art	Feature	Rejected	Support the routing of corrupt RawEvents to different disk files	Kurt Biery	12/18/2012 09:25 AM
2325	art	Feature	Rejected	query disk size for data objects	Andrei Gaponenko	02/07/2012 01:08 PM
1063	art	Feature	Rejected	Make the input line parameters accessible to modules	Denis Perevalov	03/21/2011 05:44 PM
901	art	Feature	Rejected	Record how many events were read from input for the writing of a given output file.	Christopher Green	12/09/2011 11:56 AM
2275	art	Feature	Rejected	On demand loading of module libraries	Brian Rebel	12/16/2011 11:58 AM
2815	art	Feature	Rejected	Merging/mixing multiple files event-by-event	Christopher Backhouse	08/24/2012 12:05 PM
11495	art	Feature	Rejected	FindMany/One interface that works with art::Ptr	Kanika Sachdev	01/27/2016 10:50 AM
2948	art	Feature	Rejected	fhicl::ParameterSet::print()	Denis Perevalov	09/10/2012 12:25 PM
921	art	Feature	Rejected	Replace Worker, WorkerT and friends with something with better consistency / problem detection.	Christopher Green	12/09/2011 03:03 PM
3629	art	Feature	Accepted	Metadata retained for pure transient data products?	Rob Kutschke	10/23/2017 12:12 PM
16342	art	Feature	Accepted	Facility to convert fhicl::ParameterSets from art/ROOT file to Python dictionary	Kyle Knoepfel	05/01/2017 11:51 AM
15785	art	Feature	Accepted	Provide hints for "obvious" typo's in FHiCL parameter names	Rob Kutschke	03/13/2017 11:37 AM
3068	art	Feature	Accepted	PtrVectorBase custom streamer could be made more efficient.	Christopher Green	10/23/2017 12:12 PM
11033	art	Feature	Accepted	art module in Python	Jim Kowalkowski	04/23/2018 10:51 AM
956	art	Feature	Accepted	Testing of signal emission is needed	Marc Paterno	10/23/2017 12:12 PM
16354	art	Feature	Accepted	Check that duplicate events are not processed for an art job	Kyle Knoepfel	05/01/2017 11:55 AM
1246	art	Feature	Accepted	Reco on demand not finding products in the file	Rob Kutschke	10/23/2017 12:12 PM
11156	art	Feature	Accepted	Suggestions to update the fhicl documentation	Rob Kutschke	12/21/2015 11:21 AM
18973	art	Feature	Accepted	Update cetskelgen to use fhicl validation	Giuseppe Cerati	02/12/2018 12:22 PM
7177	art	Feature	Accepted	service and module testing utilities	Lynn Garren	10/23/2017 12:12 PM
19994	art	Feature	Accepted	art multi-threading phase 2	Kyle Knoepfel	05/21/2018 10:33 AM
21412	art	Feature	Accepted	Enable product-mixing to read from multiple secondary input files per primary event	Kyle Knoepfel	11/20/2018 01:57 PM
8845	art	Feature	Accepted	Limited support for analyzers in Python	Marc Paterno	10/23/2017 12:12 PM
8846	art	Feature	Accepted	Support for handling branch aliases	Marc Paterno	04/23/2018 10:51 AM

#	Project	Tracker	Status	Subject	Author	Updated
15388	art	Feature	Accepted	Put context information into exceptions in the places where framework code intercepts them	Marc Paterno	05/18/2018 02:58 PM
1759	art	Feature	Accepted	Periodic refreshing of histogram files	Mark Messier	10/23/2017 12:12 PM
4187	art	Feature	Accepted	Reading in metadata from input files	Adam Aurisano	10/23/2017 12:12 PM
15393	art	Feature	Accepted	Make available the CMS static analysis tools	Marc Paterno	02/06/2017 11:19 AM
8771	art	Feature	Accepted	Implement parameter set configuration printout - task 3b of issue #7538	Kyle Knoepfel	06/01/2015 11:24 AM
17407	art	Feature	Accepted	Configuration description of module	Gianluca Petrillo	09/17/2019 02:16 PM
9999	art	Feature	Accepted	objects and associated metadata in a single vecctor of pairs	Robert Sulej	09/08/2015 03:50 PM
19306	art	Feature	Accepted	create Ptr to product	Raymond Culbertson	03/12/2018 11:47 AM
15382	art	Feature	Accepted	Introduce thread-pause signaling for debugging	Marc Paterno	05/18/2018 03:08 PM
22357	art	Feature	Accepted	Allow a placeholder for main FHiCL configuration name in output files (RootOutput, TFileService)	Gianluca Petrillo	04/15/2019 10:26 AM
943	art	Feature	Accepted	Document in-use parameters for all framework code.	Christopher Green	10/23/2017 12:12 PM
15394	art	Feature	Accepted	Make cetbuiltools run the static analysis tools	Marc Paterno	02/06/2017 11:19 AM
13050	art	Feature	Accepted	Request a new variant of T* TFileDirectory::makeAndRegister<T>	Rob Kutschke	06/27/2016 12:17 PM
4704	art	Feature	Accepted	Command line facility to insert arbitrary configuration items.	Christopher Green	10/23/2017 12:12 PM
15387	art	Feature	Accepted	Put context information into messagefacility messages	Marc Paterno	05/18/2018 02:57 PM
11026	art	Feature	Accepted	Tuple product support	Jim Kowalkowski	04/23/2018 10:51 AM
11035	art	Feature	Accepted	art producer module in python	Jim Kowalkowski	12/07/2015 11:43 AM
1918	art	Feature	Accepted	Thinking ahead to event mixing and art::Ptr to run product	Rob Kutschke	10/23/2017 12:12 PM
11036	art	Feature	Accepted	multidimensional array support in NTuple product	Jim Kowalkowski	12/07/2015 11:43 AM
8426	art	Feature	Accepted	Understand gradual memory growth and determine if it can be mitigated	Kyle Knoepfel	04/27/2015 11:46 AM
7029	art	Feature	Accepted	Use one consistent unit test framework for Art	Ben Morgan	10/23/2017 12:12 PM
23582	art	Feature	Under Discussion	Allow source modules to use random number engines from the RandomNumberGenerator service.	Rob Kutschke	11/13/2019 08:21 AM
15894	art	Feature	Under Discussion	Support RangeSet calculation and use per-schedule and across schedules	Kyle Knoepfel	05/18/2018 02:55 PM
22225	art	Feature	Under Discussion	Request to add a file index offset to PostCloseFileRenamer	Kurt Biery	05/17/2019 11:45 AM
20772	art	Feature	Under Discussion	Inherit Configuration from Provenance	Alexander Himmel	09/08/2018 04:55 PM
7580	art	Support	Feedback	Can't debug with the debug builds of art and externals on Mac OSX	Adam Lyon	10/23/2017 12:12 PM
18971	art	Support	Closed	Products of type "sumdata::RunData" cannot be aggregated.	William Foreman	02/12/2018 11:29 AM
11107	art	Support	Closed	Release art 1.18.02	Kyle Knoepfel	12/14/2015 11:30 AM
13586	art	Support	Closed	Is this the expected behaviour	Rob Kutschke	08/18/2016 12:05 PM

#	Project	Tracker	Status	Subject	Author	Updated
18376	art	Support	Closed	Output file name length limit.	Herbert Greenlee	11/27/2017 12:17 PM
14889	art	Support	Closed	Source module documentation	Robert Sulej	01/09/2017 11:59 AM
21846	art	Support	Closed	Do nothing job has VmHWM = 3.6 GB	Rob Kutschke	02/11/2019 11:29 AM
13624	art	Support	Closed	Slow reading of a MicroBooNE highly filtered event file	Bruce Baller	10/03/2016 12:17 PM
17752	art	Support	Closed	art 2.8.3 generating a bus error under GDB (SLF6)	Gianluca Petrillo	10/02/2017 11:53 AM
8690	art	Support	Closed	Implementing the TEfficiency class in TFileService	Leon Rochester	07/17/2015 09:24 AM
20849	art	Support	Closed	safety in art::DataViewImpl::getPointerByLabel(InputTag const& tag)	Pavel Murat	11/08/2018 02:46 PM
10545	art	Support	Closed	Returning false from EFilter::beginSubRun() does not skip the events	Christopher Backhouse	12/02/2015 10:50 AM
20842	art	Support	Closed	Install ROOT 6.14 and gcc-8.2.0 as a UPS product	Nikolai Mokhov	01/23/2019 01:18 PM
9333	art	Support	Closed	FHICL Information from Previous Module	Martin Frank	08/14/2015 07:58 AM
13855	art	Support	Closed	Help diagnose apparently misbehaving filter module	Marc Paterno	09/13/2016 05:07 PM
11152	art	Support	Closed	services.scheduler.errorOnFailureToPut should default to true	John Freeman	12/16/2015 10:27 AM
7811	art	Support	Closed	Would like event split and merge functionality in the readin module	Thomas Junk	12/23/2015 09:05 AM
9768	art	Support	Closed	art::FindManyP throws if art::Handle is invalid	Tingjun Yang	12/29/2015 10:51 AM
12952	art	Support	Closed	Help NOvA investigate memory usage issues	Brian Rebel	08/22/2016 08:25 AM
19846	art	Support	Work in progress	Issues with events coming from different art histories in artdaq	Eric Flumerfelt	05/14/2018 10:21 AM
18942	art	Idea	Feedback	Possible way around SIP and allowing use of DYLD_LIBRARY_PATH on macOS?	Ben Morgan	05/21/2018 05:41 AM
2940	art	Idea	Closed	Produce test case and submit bug report to GCC of std::enable_if misbehavior	Christopher Green	08/31/2012 11:24 AM
913	art	Idea	Rejected	Review naming conventions in messagefacility.	Christopher Green	12/09/2011 02:49 PM
914	art	Idea	Rejected	Agree on moving forward on MF to merge art / NOvA / CMS versions into one code base.	Christopher Green	12/09/2011 02:50 PM
918	art	Idea	Accepted	Add architecture-specific capture of call stack at time of construction of cet::exception.	Christopher Green	10/23/2017 12:12 PM
15618	art	Idea	Accepted	Support for reading secondary input files in a special scenario	Rob Kutschke	03/13/2017 02:15 PM
15169	art	Idea	Accepted	Support splitting data products by schema evolution	Gianluca Petrillo	01/23/2017 11:20 AM
920	art	Milestone	Closed	Design a mechanism for specifying obsolete parameters with info/warnings when seen.	Christopher Green	10/23/2017 12:12 PM
15372	art	Milestone	Closed	art multi-threading phase 1	Marc Paterno	06/05/2018 04:09 PM
1091	art	Milestone	Accepted	Review all signal emission in the light of sentry considerations and exception safety.	Christopher Green	10/23/2017 12:12 PM
1075	art	Milestone	Accepted	Post on the tutorial web site some documentation for FileDumper	Marc Paterno	10/23/2017 12:12 PM
942	art	Milestone	Accepted	Design mechanism for library versioning and consistency checks	Christopher Green	10/23/2017 12:12 PM

#	Project	Tracker	Status	Subject	Author	Updated
916	art	Milestone	Accepted	Make a note in the cet-is Wiki on detail namespace / header / source file subdirectory.	Christopher Green	10/23/2017 12:12 PM
1144	art	Milestone	Accepted	Defining categories for the error logger	Rob Kutschke	10/23/2017 12:12 PM
4367	art	Necessary Maintenance	Closed	OutputModule problems.	Christopher Green	06/07/2016 08:18 AM
13964	art	Necessary Maintenance	Closed	Documentation on how to fill classes.h files	Gianluca Petrillo	10/03/2016 11:26 AM
8532	art	Necessary Maintenance	Rejected	A question of the appropriate place for testing for the presence of a dictionary for a type of a product	Christopher Green	08/29/2016 11:47 AM
5281	art	Necessary Maintenance	Accepted	Move to using make_shared() wherever possible and appropriate.	Christopher Green	10/23/2017 12:12 PM
19010	art	Necessary Maintenance	Accepted	Producer for testing backwards compatibility	Kyle Knoepfel	02/19/2018 11:26 AM
897	art	Necessary Maintenance	Accepted	Institute validation tests for an installed art package.	Christopher Green	10/23/2017 12:12 PM
907	art	Necessary Maintenance	Accepted	Review and rationalize use of exceptions across art.	Christopher Green	10/23/2017 12:12 PM
8178	art	Necessary Maintenance	Accepted	Testing of drop on input needs improvement	Marc Paterno	10/23/2017 12:12 PM
1197	art	Necessary Maintenance	Accepted	Unit / regression tests for RootInput random access.	Christopher Green	10/23/2017 12:12 PM
946	art	Necessary Maintenance	Accepted	Review and provide precise definitions of each signal watchpoint.	Christopher Green	10/23/2017 12:12 PM
19011	art	Necessary Maintenance	Accepted	Analyzer for testing backwards compatibility	Kyle Knoepfel	02/19/2018 11:26 AM
17084	art	Necessary Maintenance	Accepted	Documentation of messagefacility on Redmine wiki is very outdated	Gianluca Petrillo	07/05/2017 11:56 AM
1026	art	Necessary Maintenance	Accepted	Duplicated code for branch name element verification	Marc Paterno	10/23/2017 12:12 PM
974	art	Necessary Maintenance	Accepted	Review non-running legacy tests to see if they are worth porting or should be removed.	Christopher Green	10/23/2017 12:12 PM
19013	art	Necessary Maintenance	Accepted	Implement tests for ensuring backwards compatibility	Kyle Knoepfel	02/19/2018 11:26 AM
910	art	Necessary Maintenance	Accepted	Investigate whether Event::fillView_ should use reflex_cast (or its replacement) instead of static_cast.	Christopher Green	10/23/2017 12:12 PM
4459	art	Necessary Maintenance	Accepted	Signal handling should be reviewed to ensure that signals are always handled by the correct thread.	Christopher Green	10/23/2017 12:12 PM
4075	art	Necessary Maintenance	Accepted	Without much effort, the framework can be made to support per-module action tables for exception handling.	Christopher Green	10/23/2017 12:12 PM



#	Project	Tracker	Status	Subject	Author	Updated
19012	art	Necessary Maintenance	Accepted	Implement testing procedure for ensuring backwards compatibility	Kyle Knoepfel	02/19/2018 11:26 AM
6679	art	Necessary Maintenance	Accepted	ParameterSetRegistry DBs should have primary key as blob rather than armored hex.	Christopher Green	10/23/2017 12:12 PM
917	art	Necessary Maintenance	Accepted	Make FHICL language document pretty.	Christopher Green	10/23/2017 12:12 PM
6681	art	Necessary Maintenance	Accepted	ParameterSetRegistry should use a tailored hash function	Christopher Green	10/23/2017 12:12 PM
908	art	Necessary Maintenance	Accepted	Review structure, code and other aspects of cpp0x and cetlib	Christopher Green	10/23/2017 12:12 PM

### artdaq (198)

21969	artdaq	Bug	New	run_demo.sh partitioning issue again	Ron Rechenmacher	02/23/2019 01:32 PM
20335	artdaq	Bug	New	BoardReader intermittent crash at endrun	Ron Rechenmacher	07/18/2018 08:29 AM
20347	artdaq	Bug	New	Dispatcher connection issues can prevent data from flowing in upstream parts of the system	Kurt Biery	07/23/2018 09:19 PM
20383	artdaq	Bug	New	NetMonOutput (?) should consider an empty destinations block, as well as nonblocking_sends:true when considering whether to block	Kurt Biery	07/23/2018 09:12 PM
20346	artdaq	Bug	New	Failed to connect to shared memory segment with key 0xcee70001	Ron Rechenmacher	08/01/2018 02:22 PM
20519	artdaq	Bug	New	Dispatcher shared memory segments left after terminate	Ron Rechenmacher	08/03/2018 08:42 AM
20367	artdaq	Bug	New	zero length core file on terminate	Ron Rechenmacher	07/19/2018 11:03 AM
5980	artdaq	Bug	New	The Aggregator runs slower when event grouping is enabled	Kurt Biery	01/13/2017 04:37 PM
20385	artdaq	Bug	New	run_demo.sh gets inconsistent results for the DAQInterface port when someone else is running the demo on mu2eddaq01	Kurt Biery	07/23/2018 09:11 PM
20373	artdaq	Bug	New	SBND VST - subrun change from fragment generator not working	Ron Rechenmacher	07/23/2018 03:34 PM
20366	artdaq	Bug	New	Notes from protoDUNE Slack channel, 19-Jul-2018	Kurt Biery	07/23/2018 09:16 PM
20363	artdaq	Bug	New	EventRate and EventSize metrics don't update in EB/DL when dataflow stops	Wesley Ketchum	07/19/2018 03:18 AM
20645	artdaq	Bug	New	EventBuilder crash pdune_Aug20A	Ron Rechenmacher	08/20/2018 12:54 PM
20386	artdaq	Bug	New	run_demo (and presumably just_do_it) should not continue when there is a configuration error	Kurt Biery	07/23/2018 09:13 PM
20398	artdaq	Bug	New	Error messages say that "use_data_thread" needs to be set, when in fact the parameter is named "separate_data_thread"	Kurt Biery	07/23/2018 09:16 PM
20513	artdaq	Bug	New	EB crash at protoDUNE in run 3032	Kurt Biery	08/02/2018 08:15 AM
20546	artdaq	Bug	New	transfer_driver_shmem_multi_t doesn't test non-reliable mode	Ron Rechenmacher	08/06/2018 03:10 PM
20965	artdaq	Bug	New	run_demo.sh	Ron Rechenmacher	09/27/2018 11:33 AM
20431	artdaq	Bug	New	{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	Kurt Biery	07/24/2018 02:37 PM

#	Project	Tracker	Status	Subject	Author	Updated
22095	artdaq	Bug	New	DAQInterface "direct" mode leaves stale processes	Eric Flumerfelt	03/13/2019 02:24 PM
20404	artdaq	Bug	New	EventBuilders stop dataflow when there is a configured rootNetOutput module, but no Dispatcher running	Kurt Biery	07/23/2018 04:14 PM
20433	artdaq	Bug	New	When I accidentally try to import a configuration from a subdirectory, I get an extra schema.fcl file in that subdirectory	Kurt Biery	07/24/2018 03:03 PM
20969	artdaq	Bug	New	run_demo.sh defaults to partition 0 in quick-mrb-start.sh	John Freeman	09/27/2018 02:18 PM
20387	artdaq	Bug	New	Something set all of my requested trace levels to zero	Kurt Biery	07/25/2018 04:12 PM
23050	artdaq	Bug	New	The number of EB buffers seems to affect whether a demo system continues to take data after an EB crash	Kurt Biery	08/07/2019 04:54 PM
20562	artdaq	Bug	Resolved	transfer_driver tests fail in pdune_ron_Aug01	Eric Flumerfelt	08/08/2018 03:31 PM
21107	artdaq	Bug	Resolved	On protoDUNE cluster, BuildInfo saves build dates in Italian	John Freeman	10/25/2018 03:56 PM
20334	artdaq	Bug	Resolved	EB crash at protoDUNE	Kurt Biery	07/26/2018 11:17 AM
20329	artdaq	Bug	Resolved	Issue du jour #1 at protoDUNE, 17-Jul-2018: including the dispatcher prevents data from flowing	Kurt Biery	07/18/2018 11:56 AM
20331	artdaq	Bug	Resolved	Issue du jour #3 at protoDUNE, 17-Jul-2018: we can't run EBs and DLs on separate computers	Kurt Biery	07/18/2018 11:51 AM
20330	artdaq	Bug	Resolved	Issue du jour #2 at protoDUNE, 17-Jul-2018: the DAQ system only supports 0.7 Hz	Kurt Biery	08/17/2018 02:14 PM
20857	artdaq	Bug	Closed	Update bookkeeping in SMEM when Fragment is not completely received	Eric Flumerfelt	09/27/2018 10:43 AM
20624	artdaq	Bug	Closed	Make Request sending from EventBuilders non-data-driven	Eric Flumerfelt	09/27/2018 10:39 AM
8581	artdaq	Bug	Closed	"Report" requests to Aggregators and EventBuilders before initialization would crash the system	Kurt Biery	05/23/2016 10:29 AM
22080	artdaq	Bug	Closed	daqinterface - direct process manage without mfextensions - UnboundLocalError: local variable 'messagefacility_fhicl_filename' referenced before assignment	Ron Rechenmacher	03/11/2019 02:51 PM
20528	artdaq	Bug	Closed	Child art process in DataLogger crashes due to a race in SharedMemoryManager	Gennadiy Lukhanin	09/27/2018 08:41 AM
20976	artdaq	Bug	Closed	multiple_art_processes_example broken	Eric Flumerfelt	10/25/2018 01:41 PM
3887	artdaq	Bug	Closed	artdaq cannot currently be cloned onto a Mac.	Christopher Green	05/23/2016 10:11 AM
20372	artdaq	Bug	Closed	SBN om attach	Ron Rechenmacher	07/23/2018 12:29 PM
4287	artdaq	Bug	Closed	art::Event timestamp	Alden Fan	05/23/2016 10:08 AM
20403	artdaq	Bug	Closed	SBND - SHM - artdaq::SharedMemoryManager::GetBufferForReading() skipping/dropping buffers/fragments/events	Ron Rechenmacher	09/27/2018 08:36 AM
15242	artdaq	Bug	Closed	artdaq build fails on a system with needed libraries already installed in /usr/lib64	John Freeman	02/10/2017 12:43 PM
4083	artdaq	Bug	Closed	Need to verify signal masking in multi-thread applications	Christopher Green	01/27/2018 12:18 PM
20625	artdaq	Bug	Closed	Make sure that Routing Tables are sent in single UDP datagrams	Eric Flumerfelt	02/01/2019 03:52 PM

#	Project	Tracker	Status	Subject	Author	Updated
22576	artdaq	Bug	Closed	Some classes do not properly initialize and close socket descriptors	Eric Flumerfelt	05/10/2019 02:39 PM
3889	artdaq	Bug	Closed	Queuing timeout and depth need to be configurable in event builder and aggregator.	Christopher Green	01/27/2018 12:17 PM
20597	artdaq	Bug	Closed	logFileAction messages are in non-standard format	Ron Rechenmacher	10/25/2018 01:44 PM
7153	artdaq	Bug	Closed	artdaq-core compile errors on Mavericks	Christopher Green	09/14/2015 04:57 PM
11043	artdaq	Bug	Closed	Fix conditional compilation tests on art version	Kurt Biery	05/04/2016 03:11 PM
3890	artdaq	Bug	Closed	Some error conditions in RHandles merely write to stderr when they should throw.	Christopher Green	05/23/2016 09:57 AM
21947	artdaq	Bug	Rejected	demo modifies artdaq_demo/tools/fcl/TransferInputShmem.fcl	Ron Rechenmacher	02/21/2019 08:33 PM
20365	artdaq	Bug	Rejected	Notes from protoDUNE Slack channel, 19-Jul-2018	Kurt Biery	07/19/2018 08:36 AM
21834	artdaq	Bug	Rejected	run_demo instructions not quite right _and_ "copy" of file...	Ron Rechenmacher	04/30/2019 01:53 PM
16360	artdaq	Bug	Rejected	artdaq 2.x problems when running with mvapich2	Kurt Biery	03/21/2019 11:37 AM
20328	artdaq	Bug	Remission	Routing Master takes a long time (forever?) to Stop (end-run)	Kurt Biery	08/06/2018 02:02 PM
20332	artdaq	Bug	Remission	Issue du jour #4 at protoDUNE, 17-Jul-2018: EB crashing at start of triggers	Kurt Biery	07/23/2018 03:45 PM
20479	artdaq	Bug	Remission	High CPU usage in Boardreaders during the stop transition.	Gennadiy Lukhanin	08/17/2018 02:22 PM

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