ANNIE

	2021-3				2021-4				2021-5				2021-6				2021-7				2021-8			
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
ANNIE	ANNIE																									
Move raw and processed data to per-run directories	Work in progress																									
remove older files from /pnfs/annie/persistent/raw	Resolved																									
Remove v2data runs converted to v5data	Resolved																									
Remove from persistent runs <= 247	Resolved																									
SAM onboarding	Assigned																									
Remove persistent v3data for space	Resolved																									
Annie internal web pages to https://anniedata.fnal.gov	Work in progress																									
Remove v4data from pnfs to free space	Resolved																									
Remove v5data runs from pnfs to clear space	Work in progress																									
archive v5data/0248 to 0252	Resolved																									
Configure /cvmfs/annie.opensciencegrid.org	Work in progress 30%																									
ANNIE 2018 computing request for SCPMT	Work in progress 30%																									
Create tape backed storage area for production (...)	New																									
shared account logging for annieraw, anniepro	Resolved																									
annie-daq02 cleanup for Sep 2018 reinstall	Resolved																									
ANNIE 2019 computing request for SCPMT	New 10%																									
Annie ECL local password removal	New 20%																									
BNB Downtime	New																									
ANNIE 2020 computing request	New																									
BNB Downtime	New																									
/annie app and data ownership and cleanup	Resolved																									
Archiver restart in 2021	Work in progress 90%																									
ANNIE 2021 computing request for FCRSG	New 20%																									
ANNIE1-Assembly	ANNIE1-Assembly																									
Cut top of tank	New																									
Modify top of tank, add round offs	New																									
PMT cabling and shipping	New																									

Development of PMT installation procedure	New
Spot testing of PMTs	New
Construction of Inner Structure	New
Populate Crates in Hall	New
Assembly and installation of PMT modules	New
Installation of plastic liner	New
Practice lower inner structure into (...)	New
Construction of NCV	New
Installation of Forward Veto Cabling	New
Lowering the tank in ANNIE Hall	New
Prelim ORC inspection	New
Finalize crates and racks	New
Access Platform: construction and installation	New
Lower inner structure into tank at ANNIE (...)	New
NCV shipped to FNAL	New
Cabling of the installed tank	New
Set up water skid and recirculation (...)	New
Water fill	New
ANNIE1-Commissioning	ANNIE1-Commissioning
DAQ commissioning	New
Dark commissioning of PMTs in ANNIE (...)	New
Detector commissioning with water	New
Installation and commissioning of NCV	New
Final ORC review	New
Begin Run1 data taking	New
ANNIE1-Planning	ANNIE1-Planning
Contact Stephen Geer about June PAC (...)	New
ANNIE Run 1 Electronics Review	New
Complete TSW for ANNIE experiment	New
Run 1 Mechanical Review	New
ANNIE1-electronics-design	ANNIE1-electronics-design
Figure out the data rates and size (...)	Resolved
Final Decision on MRD and veto (...)	New
What is our calibration system?	New

Solidify Layout and number of crates (...)	Assigned
Design for clock distribution and (...)	Assigned
Get details of what we can get (...)	New
Contact Zarko Pavlovic about (...)	Assigned
UC ADC cards	Assigned
UC ADC user manual	Assigned
Externally trigger ADC cards	Assigned
Throughput testing for ADC (...)	Resolved
Make readout methods (to be (...)	Assigned
Redesign of LAPPD central card	New 40%
Interface for PSEC electronics (...)	Assigned 50%
Send an ACDC + central card to (...)	Assigned
HV pickoff & signal splitter	Assigned
Test final pickoff/splitter	New
Test HV resilliance up to (...)	Resolved
Full sized pickoff/splitter (...)	Resolved
Machine pickoff/splitter enclosure	Resolved
Attach bulkhead connectors (...)	Assigned
Mount pickoff/splitter pcb (...)	Assigned
HV pickoff/splitter enclosure	Assigned
Timing distribution system	Assigned
Select timing sources	Assigned
Determine the suitability (...)	Assigned
Determine GPS antenna (...)	Assigned
Check availability of (...)	Resolved
Select and buy a suitable (...)	New
Design and build full sized pickoff/splitter (...)	Assigned
Pickoff/splitter enclosure production	Assigned
DAQ ZMQ/multicast integration	Resolved
DAQ Bool functions /status reporting	Resolved
DAQ Jason (lite) messgae passing	Resolved
DAQ Control systems	Resolved
DAQ monitoring system	New
Postgress setup	New

DAQ board reader TOOL	New
DAQ output TOOL	Assigned
DAQ Serialisation	New
ANNIE1-MCstudies	ANNIE1-MCstudies
Geant-based estimate of beam neutron (...)	New
Full MC model with 3D PMTs to study (...)	New
Optimization of acrylic volume	New
SciBooNE driven calculation of (...)	New 10%
ANNIE1-mechanical-design	ANNIE1-mechanical-design
Fermilab approval for tank purchase	New
Approval to purchase tank, from (...)	New
Design of veto structure	New
Ship the muon veto structure	New
Water system shipped to FNAL for (...)	New
Follow up with Steve Dazeley	New
Design of access platform	New
Design of inner strcture	New
Cost out plastic bag liner, get (...)	New
Determine how structure and top (...)	New
Design of tank top	New
Cost out PVC for ANNIE Run I Plan (...)	New
Final decision on liner specs and (...)	New
Finish design of PMT holders	New
Determine placement of water pump	New
ANNIE1-MRD-design	ANNIE1-MRD-design
Follow up with NMSU about keeping (...)	New
Arrange to get the Kansas/Syracuse (...)	New 50%
Follow up on Fermilab PMTs/Scintillator	New 60%
Sign over stewardship of the MRD (...)	New
ANNIE1-Staging	ANNIE1-Staging
Tank Manufacture	New
MRD + veto system testing	New
Prototype PMT holder	New
Order materials for PMT structure	New

Liner: collab buy-in, place order	New
Cables for Forward Veto	New
ANNIE1-veto-installation	ANNIE1-veto-installation
Installation of Veto structure	New
ANNIE2-Assembly	
Finish MRD Refurbishment	New
Functional test of new MRD layers	New
In situ calibration of MRD layers	New
ANNIE2-Planning	
ANNIE2-mechanical-design	ANNIE2-mechanical-design
Finalize design concept of inner (...)	New 80%
Finalize design and layout of water (...)	New 70%
Decision about the tank top	New
Top with or without square hatch	New
Design of the new tank lid	New
Finalize design of source calibration (...)	New
Write TSW	Work in progress 80%
Revise Specification Doc.	New
Gd-Safety and procedures (discussion (...)	Work in progress
Separate voltage regulators from (...)	New 50%
Draft LAPPD mounting board design	New 50%
Finalize design of timing calibration (...)	New
Identify black sheet material to (...)	Feedback
Final Review of the Tank Lid design	New
Holders and Mount Concepts for (...)	New
How to mount the LUX PMTs on the (...)	New
Cleanliness and handling strategy	New 20%
Final layout of new LAPPD housing	New 50%
Finalize design of transparency (...)	New
Identify new tank liner	New
How to mount the WATCHMAN PMTs	New
Figure out how to optically isolate (...)	New
Finalize experimental layout in (...)	New
Magnetization of the tank	Assigned

ANNIE2-electronics-design	
readACDC after setConfig is all (...)	**New**
Final crate and rack maps	**New**
Rack protection plan	**New**
Power distribution plan	**New**
Design the backboard for the LAPPD (...)	**New**
Design for separate ACDC voltage (...)	**New**
ANNIE2-Staging	
ANNIE2-electronics-readiness	
Finish new ACDC-ACC interface firmware	**New**
Ethernet interface for ACC	**New**
Firmware upgrades for KOTO boards (...)	**New**