## uBooNE Offline - Issues

| # | Tracker | Status | Priority | Subject | Assignee | Updated |
|---|---|---|---|---|---|---|
| 14831 | Production Request | New | Urgent | MCC7 in time CORSIKA samples | | 12/16/2016 09:52 AM |
| 14790 | Production Request | Feedback | High | ana trees for in time sample | Adam Lister | 12/15/2016 09:01 AM |
| 14771 | Production Request | Accepted | Normal | single e and photon samples for hit resolution studies | Joel Mousseau | 12/07/2016 08:28 AM |
| 14764 | Bug | Feedback | Normal | Overlay reco needs correct digit collection | Wesley Ketchum | 12/07/2016 07:10 AM |
| 14754 | Feature | Resolved | Normal | Set IncludeMisconfiguredU to true | Herbert Greenlee | 12/16/2016 09:50 AM |
| 14753 | Feature | Resolved | Normal | Update Lifetime | Wesley Ketchum | 12/07/2016 07:06 AM |
| 14361 | Task | New | Normal | DATA gain validation | | 11/02/2016 01:23 PM |
| 14360 | Task | New | Normal | MC gain estimation and validation | | 11/02/2016 01:21 PM |
| 14341 | Task | New | Normal | Optimize existing hit finder parameters | Salvatore Davide Porzio | 11/01/2016 11:26 AM |
| 14204 | Task | Work in progress | Normal | Integration of Cluster3D into LArSoft reconstruction | Tracy Usher | 10/21/2016 11:01 AM |
| 13747 | Task | New | Normal | Pi0 Clustering | | 09/01/2016 04:53 PM |
| 13653 | Task | New | Normal | data-driven 3D direction & energy resolution calculation | | 11/01/2016 02:23 PM |
| 13652 | Task | New | Normal | detector energy calibration | | 09/20/2016 04:00 PM |
| 13651 | Task | New | Normal | Pi0 Mass Peak reconstruction | | 11/01/2016 02:23 PM |
| 13650 | Task | New | Normal | shower dE/dx reconstruction | | 09/20/2016 03:59 PM |
| 13649 | Task | New | Normal | neutrino vertex resolution measurement /estimation | | 11/01/2016 02:22 PM |
| 13648 | Task | New | Normal | 3D shower direction reconstruction | | 11/01/2016 02:22 PM |
| 13647 | Task | New | Normal | containment of charge in TPC : study and corrections | | 11/02/2016 01:45 PM |
| 13646 | Task | New | Normal | charge clustering impact on energy estimation | | 11/02/2016 01:36 PM |
| 13645 | Task | New | Normal | dead-wire region impact on energy | | 11/02/2016 01:34 PM |
| 13644 | Task | New | Normal | recombination correction | | 11/02/2016 01:27 PM |
| 13643 | Task | Resolved | Normal | lifetime correction | | 11/02/2016 01:45 PM |
| 13641 | Task | New | Normal | electronics gain calculation | | 11/02/2016 02:24 PM |
| 13640 | Task | New | Normal | Energy reconstruction | | 11/02/2016 02:24 PM |
| 13639 | Task | New | Normal | shower 3D start point reconstruction | | 09/20/2016 03:50 PM |
| 13638 | Task | New | Normal | sample re-processing with updated hit-finder thresholds | David Caratelli | 09/20/2016 03:49 PM |
| 13637 | Task | Resolved | Normal | sample re-processing with gaussian deconvolution filter | David Caratelli | 11/02/2016 01:49 PM |
| 13636 | Task | Resolved | Normal | sample identification [through hand-scanning] | | 09/20/2016 03:52 PM |
| 13635 | Task | Assigned | Normal | Pi0 data sample reconstruction | David Caratelli | 11/02/2016 02:24 PM |
| 13634 | Task | Assigned | Normal | Overlapping track removal | | 09/01/2016 04:54 PM |
| 13633 | Task | Assigned | Normal | Remove external shower-reconstruction dependency | | 09/01/2016 04:53 PM |

| # | Tracker | Status | Priority | Subject | Assignee | Updated |
|---|---|---|---|---|---|---|
| 13475 | Task | New | Normal | Improved 3D SpacePoints | Jack Weston | 11/04/2016 11:13 AM |
| 13474 | Task | New | Normal | Missing tracks (fully-enclosed in gap in one view) | Lorena Escudero sanchez | 11/04/2016 11:13 AM |
| 13473 | Task | New | Normal | Particle (esp. shower) merging | John Marshall | 11/04/2016 11:11 AM |
| 13472 | Task | New | Normal | Shower merging and characterisation | Yun-tse Tsai | 08/08/2016 07:31 AM |
| 13471 | Task | New | Normal | Track vs. shower classification | John Marshall | 11/04/2016 11:11 AM |
| 13470 | Task | New | Normal | Scoring of vertex candidates | Jack Weston | 11/04/2016 11:12 AM |
| 13469 | Task | New | Normal | Creation and refinement of vertex candidates | Joris De vries | 11/04/2016 11:12 AM |
| 13428 | Task | New | Normal | Vertex Reconstruction - Pandora tasks | John Marshall | 11/04/2016 11:12 AM |
| 13427 | Task | New | Normal | Interface to new Track Fitter | | 08/03/2016 12:35 PM |
| 13426 | Task | New | Normal | Track Reconstruction - Pandora tasks | John Marshall | 11/04/2016 11:13 AM |
| 13425 | Task | New | Normal | Shower Reconstruction - OpenCV tasks | Ariana Hackenburg | 09/01/2016 04:54 PM |
| 13421 | Task | New | Normal | LArLite/LArSoft merge of shower reconstruction elements | Yun-tse Tsai | 08/02/2016 02:50 PM |
| 13420 | Task | New | Normal | Shower Reconstruction - Pandora tasks | John Marshall | 11/04/2016 11:11 AM |
| 13419 | Task | New | Normal | Port LArLite based flash matching into LArSoft | Pip Hamilton | 08/02/2016 02:44 PM |
| 13418 | Task | New | Normal | Understand existing optical reconstruction in the Monte Carlo (MCC 7) | Pip Hamilton | 08/02/2016 02:42 PM |
| 13417 | Milestone | Assigned | Normal | Common metrics for evaluation and validation | Joris De vries | 10/24/2016 12:47 PM |
| 13415 | Task | New | Normal | Integration of linecluster/trajcluster into the LArSoft reconstruction chain | Bruce Baller | 09/13/2016 02:00 PM |
| 13413 | Task | New | Normal | Integration of wire-cell into the LArSoft reconstruction chain | Brett Viren | 08/02/2016 06:20 PM |
| 13412 | Milestone | New | Normal | Final Object Selection | | 08/02/2016 02:25 PM |
| 13411 | Milestone | New | Normal | Reconstruction workflow | | 08/02/2016 02:24 PM |
| 13410 | Milestone | New | Normal | Hit Finding | | 11/01/2016 11:26 AM |
| 13409 | Milestone | New | Normal | Cosmic Ray Tagger reconstruction | | 08/02/2016 02:22 PM |
| 13408 | Milestone | New | Normal | Cosmic Ray tagging for use in reconstruction | | 08/02/2016 02:21 PM |
| 13407 | Milestone | New | Normal | Track Reconstruction | | 11/04/2016 11:13 AM |
| 13406 | Milestone | New | Normal | Vertex Reconstruction | | 11/04/2016 11:12 AM |
| 13405 | Milestone | New | Normal | Shower Reconstruction | | 11/04/2016 11:11 AM |
| 13404 | Milestone | New | Normal | Optical Reconstruction | | 08/02/2016 02:44 PM |
| 13403 | Milestone | New | Normal | Alternate Reconstruction Paths | | 10/21/2016 11:01 AM |
| 13402 | Milestone | New | Normal | Reconstruction validation | | 08/02/2016 02:08 PM |
| 13401 | Milestone | New | Normal | Reconstruction Tuning | | 08/02/2016 02:07 PM |
| 13400 | Milestone | New | Normal | MCC8 and "v6" reconstruction development | | 11/04/2016 11:13 AM |
| 13399 | Milestone | New | Normal | Parent reconstruction milestones/tasks for reconstruction necessary for MCC8 and reconstruction "v6" | | 11/04/2016 11:13 AM |

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|---|---|---|---|---|---|---|
| 11686 | Task | New | Normal | Create TPC reconstruction algorithm | | 02/09/2016 11:43 AM |
| 11684 | Task | New | Normal | Use ADC to charge conversion | | 02/09/2016 11:40 AM |
| 11683 | Task | New | Normal | Apply lifetime corrections to hits | | 02/09/2016 11:41 AM |
| 11682 | Task | New | Normal | Apply recombination correction using modified Box model (or Birk's) | | 02/09/2016 11:38 AM |
| 11676 | Task | New | Normal | Understand the double-exponential or exponential behavior | | 02/11/2016 11:31 AM |
| 11675 | Task | New | Normal | Apply space charge correction if necessary | | 02/08/2016 11:44 AM |
| 11674 | Task | New | Normal | Look at hit width as a function of time | | 02/08/2016 11:43 AM |
| 11673 | Task | New | Normal | Apply lifetime correction to hits | | 02/08/2016 11:41 AM |
| 11671 | Task | New | Normal | Look at data from different fields | | 02/08/2016 11:42 AM |
| 11670 | Task | New | Normal | Hypothesize the Bragg peak and scale measured charge to match | | 02/08/2016 11:42 AM |
| 11669 | Task | New | Normal | Identify stopping muons | | 03/16/2016 02:17 PM |
| 11668 | Task | New | Normal | Get ADC to charge conversion from MuCS tracks | | 02/08/2016 11:36 AM |
| 11667 | Task | New | Normal | Get ADC to charge conversion from crossing tracks | | 02/08/2016 11:35 AM |
| 11666 | Task | New | Normal | Measure the ADC to charge conversion | | 02/08/2016 11:33 AM |
| 11636 | Milestone | Accepted | Normal | Improve reconstruction speed by 2x | | 02/05/2016 09:40 AM |
| 11402 | Task | New | High | MC samples | | 01/11/2016 10:28 PM |
| 11401 | Feature | New | Normal | Top OB vs Top+Side OB | | 01/11/2016 10:26 PM |
| 11400 | Milestone | New | Normal | List of analysis | | 01/25/2016 04:47 PM |
| 11399 | Task | Assigned | Urgent | List of configurations | | 01/25/2016 04:42 PM |
| 11271 | Task | Assigned | Normal | Port LArLite shower-finding code back into LArSoft | Yun-tse Tsai | 08/02/2016 01:33 PM |
| 11270 | Task | Work in progress | Normal | Integrate Pandora into shower-finding algorithms | Yun-tse Tsai | 08/02/2016 01:31 PM |
| 11263 | Milestone | New | Normal | Production shower finding | | 08/02/2016 01:31 PM |
| 11262 | Milestone | Resolved | High | March production reconstruction | | 08/02/2016 01:56 PM |
| 10662 | Task | Assigned | Normal | Reconstruction of laser tracks | Christoph Rudolf von rohr | 02/08/2016 10:54 AM |
| 10626 | Task | Assigned | Normal | create operational configuration files for laser calibration runs | Matthias Luethi | 02/08/2016 10:53 AM |
| 10624 | Task | Assigned | Normal | Laser track reco | Matthias Luethi | 02/08/2016 10:55 AM |
| 10540 | Milestone | Assigned | Normal | Space Charge Measurement Paper | | 02/22/2016 02:00 PM |
| 10527 | Task | Resolved | Normal | Technotes: Space Charge Measurement | Michael Mooney | 11/10/2016 05:17 PM |
| 10526 | Task | New | Normal | Laser+Cosmics calibration methods | | 02/08/2016 10:51 AM |
| 10525 | Task | Assigned | Normal | Testing of laser-only calibration methods with framework | Christoph Rudolf von rohr | 02/08/2016 10:51 AM |
| 10524 | Task | Assigned | Normal | Calibration framework in LArSoft | Christoph Rudolf von rohr | 02/08/2016 10:50 AM |

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|---|---|---|---|---|---|---|
| 10523 | Task | Assigned | Normal | Setting laser paths in TPC | Matthias Luethi | 02/08/2016 10:51 AM |
| 10519 | Task | New | Normal | Technote: Diffusion Measurement | Sowjanya Gollapinni | 02/08/2016 10:58 AM |
| 10518 | Task | Assigned | Normal | T0 Extraction | Ariana Hackenburg | 02/08/2016 11:04 AM |
| 10517 | Task | New | Normal | Validating MC analysis technique with data | Sowjanya Gollapinni | 02/08/2016 11:04 AM |
| 10516 | Task | New | Normal | Analyzing Special Laser and Cosmic Runs at 50, 60, 70kV | Sowjanya Gollapinni | 02/08/2016 11:03 AM |
| 10515 | Task | New | Normal | Special Laser and Cosmic Runs at 50kV, 60kV | | 02/08/2016 11:03 AM |
| 10514 | Task | New | Normal | Technote: Purity from TPC data | Sowjanya Gollapinni | 02/08/2016 11:10 AM |
| 9932 | Task | Assigned | Normal | Populate DQM database | Kazuhiro Terao | 02/08/2016 11:09 AM |
| 9931 | Task | Assigned | Normal | Production PMT pedestal and gain determination | Taritree Wongjirad | 02/08/2016 11:09 AM |
| 9930 | Task | Assigned | Normal | Production TPC pedestal determination | | 02/22/2016 01:59 PM |
| 9928 | Task | New | Normal | Identify stopping cosmics | | 02/22/2016 02:00 PM |
| 9927 | Task | New | Normal | Identify through-going cosmics | | 02/22/2016 02:00 PM |
| 9904 | Milestone | Assigned | Normal | Diffusion paper | | 02/22/2016 01:58 PM |
| 9900 | Milestone | New | Normal | Cosmic rate paper | | 02/08/2016 11:08 AM |
| 9898 | Milestone | New | Normal | Purity Paper | | 02/08/2016 11:05 AM |
| 7248 | Support | New | Normal | Modify metadata extractor to handle json format output from sam_metadata_dumper | Sowjanya Gollapinni | 10/31/2014 12:17 PM |
| 7045 | Feature | New | Normal | Add ability to fetch and store log files in output area. | | 07/07/2015 04:38 PM |