

LArIAT

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Estimated Proton Efficiency

| Mon Apr 18 07:00 to Mon Apr 25 07:00 | Protons | Spills |
|-----------------------------------------|-------------|--------|
| Recorded | 5.17236e+12 | 7471 |
| Total | 5.64856e+12 | 8074 |
| Ratio | 0.9157 | 0.9253 |

Machinery for these automated estimates has just become mature. (Randy Johnson)

Interested in retroactive analysis for trends, post-mortem lessons, etc.

Estimated Proton Efficiency

| Run 2 to date | Protons | Spills |
|---------------|-------------|--------|
| Recorded | 1.37030e+14 | 71784 |
| Total | 1.44309e+14 | 77238 |
| Ratio | 0.9496 | 0.9294 |

Recent Running

Good beam, occasional improvements to tune

- Easy to swamp the TPC's 380 μ s readout, both before and after trigger
- Getting ~10 - 20 clean, simple events per spill
 - Refining this estimate now with offline processing

\$30 and \$36 signals (SWYD signals) moved in timeline

- Weaned DAQ off of assumptions about \$00 timing wrt \$30
- Put in place ACNET scripts to fake SWYD signals during long beam off
 - Some refinements and quirks being worked out

MI-60 Transformer Fire

- About 8 hours downtime for denizens of the Switchyard