

ProtoDUNE-SP operation updates, news

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Xe-injection

- Xe injection:
 - Last week, from April 27th to 30th, 4th Xe injection was performed
 - 3.25kg (4.5 ppm by mass) was injected into the cryostat
 - DAQ data:
https://docs.google.com/spreadsheets/d/1hTuSRCfsmRtXCGr_1hY9hzvf6Wdj_MpNQexLyl_NIYk/edit?ts=5e3ea5ad#gid=0
 - Standalone data:
<https://docs.google.com/spreadsheets/d/1j22lp80CuadYQdBHWP0lhr5mThz8V35QL-e9XvqxN0/edit#gid=0>
 - We have ~15ppm of Xe inside the cryostat now

- The last 5ppm of Xe injection will be done sometime next week or the week after

Operations

- Since Monday, we are taking data with HV on and off
 - Day time with field on, all components, crt trigger
 - Night time with 0 field PD data for Xe studies

- DAQ developments and tests

- Detailed investigation on the inactive FE channels has started
 - Remote BNL operation with a special WIB connected to each APA CE crate
 - APA5 and APA6 was finalized last 3 days. We'll continue with APA1 today