

# IoLS Updates

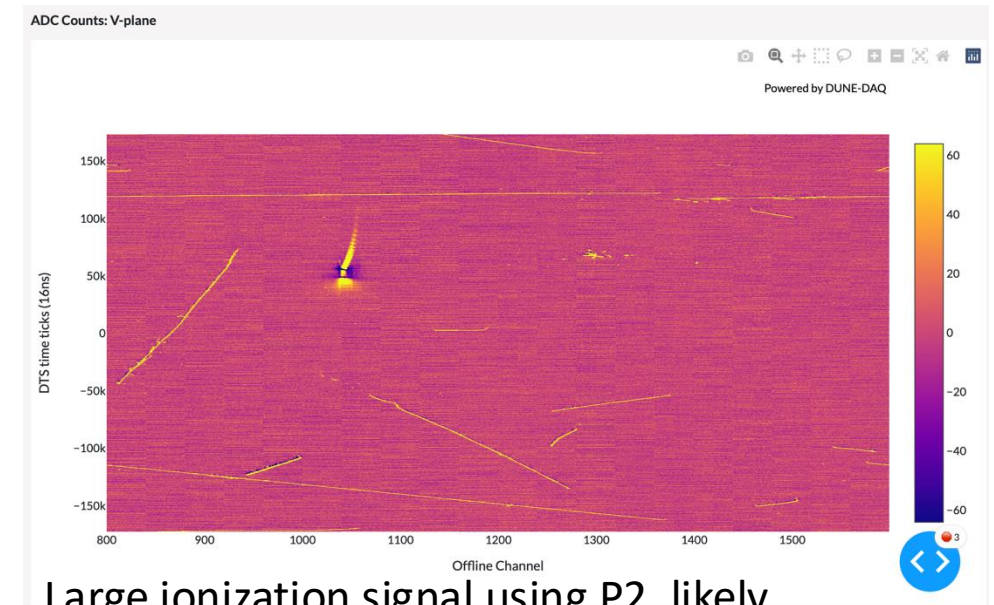
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November 5<sup>th</sup>, 2024



# Last week

- Performed a coarse scan of P2 to try to get through-going tracks
- Performed scan of LBLS mirror module 1 using P1 (still going through the data)
- Noise tests with HV and bias OFF and with varying conditions of the two laser systems (e.g. laser flashing but not lasing, lasing into the cryostat but no motion, lasing while moving)



Large ionization signal using P2, likely happening right outside the field cage. No through-going track.

# Laser Run Plan for Week of Nov. 4<sup>th</sup>

- Need help from Filippo to re-enable the laser interlocks at NP04 following the ground shake investigations from last week
- **Wednesday (or Thursday):** Continue with P1 scans around expected positions for LBLS mirrors. (Completed scans around LBLS mirror module 1 last week). 15 mins per module.
- **Thursday:** Continue large scans with P2 to get through-going tracks. This should take a few hours to complete. Maybe early in the morning and late in the afternoon.
- **Friday:** attempt to get crossing-tracks between P1 and P2. This will involve aiming P1 and P2 such that the resulting tracks intersect each other. The two periscopes don't have to run simultaneously.