

# IoLS Status Update

David Rivera

August 20, 2024



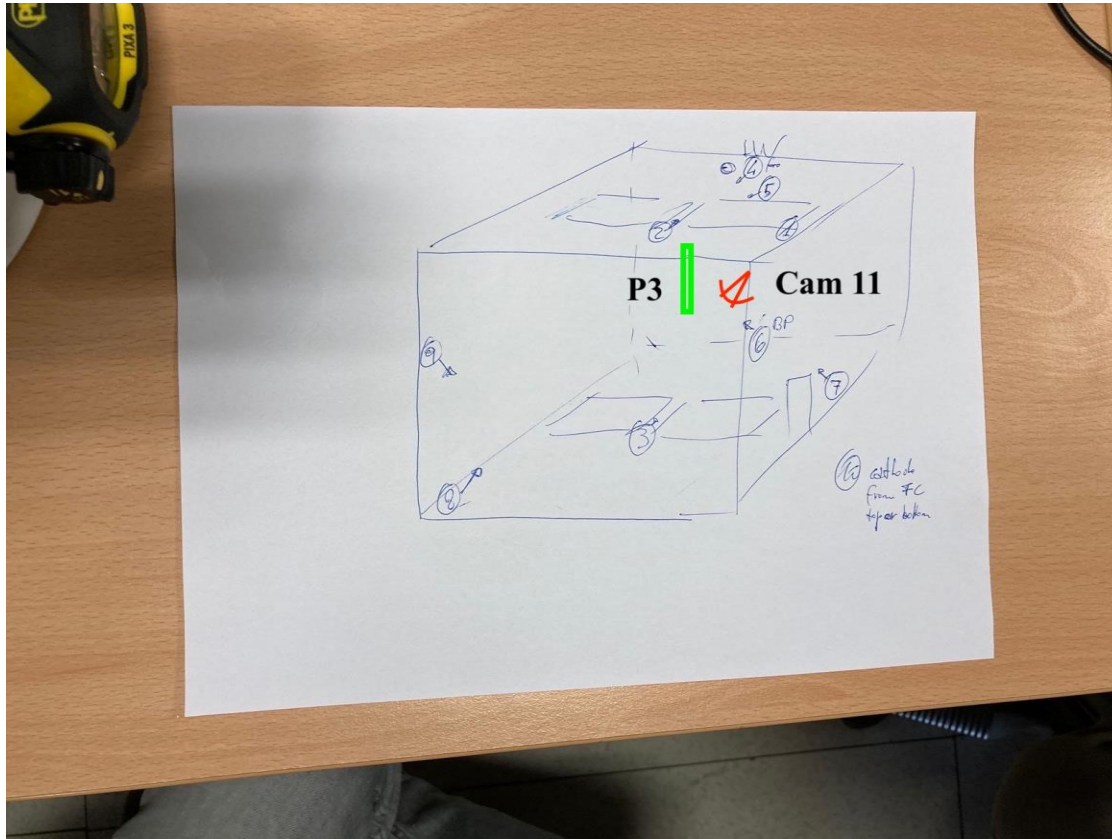
# HD DAQ tests

- Nuno shared his dev area
- Waiting for Wes to get back to us with a time to do tests
  - A lot of trigger tests going on last week
- P1 set up for laser data-taking
  - Serial devices connected to CIB and S/N identified

# Procurement for P3 tests

- CF 12” to 8” adapter to mount the new electrical break – Received and installed in laser stand
- 4-way cross – Received, needs to be modified
- Laser box flange for mounting Horizontal beam tube – Received
- Horizontal beam tube – Should be arriving this week
- Torlon actuator rod material – Received and tested
  - Being machined at HPM
- Camera assembly mount – Finalized and Quoted
- M3 mount pieces for turret – Order placed 8/19/24

# VD - Cameras



- Lessons learned so far from PD-HD:
  - Cameras are extremely useful for double-checking alignment
- We discussed with Filippo, Francesco, Xavier, and Dominique the locations for the cameras in PD-VD
- 10 cameras total were allocated
- For the laser we allocated one to cover the PIN diode module and a general purpose camera that could cover various points of interest (beam plug, HV feedthrough, and the wall behind the field cage)
  - This can allow us to monitor and check for crossing-tracks for the laser

# Timeline

- Beam for HD will be extended by two weeks beyond Sept. 4<sup>th</sup>
- TCO closure to begin next week, either Tuesday or Wednesday: 8/27, 8/28
  - Expected to take 4 weeks
  - Done around Sept. 17<sup>th</sup> or 18<sup>th</sup>
- Filling may start as soon as mid October but most likely late October