

NUFACT WG6 talks

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Plenary talks and potential speakers

- **Noble Element Detectors:**

- Filippo Resnati (CERN)
- Ben Jones (UTA)

- **Scintillator Detectors:** (Covering photodetector R&D)

- speaker from JUNO collaboration: Dr. Zhonghua Qin proposed by Miao He
- Or speaker from HK collaboration for Water Cherenkov Detectors instead of scintillator: (TBD)

- **Future Near Detectors:**

- Claudio Giganti (LPNHE) – proposed
- Hiro Tanaka (SLAC)
- Alfons Weber (U.Oxford/RAL)

(ESSnuSB listed in a WG6 detector plenary talk might be appropriate for a WG3 plenary rather than WG6?)

Parallel talks

- ProtoDUNE (15+5): DUNE Speaker Committee
- DUNE Near Detector (15+5): DUNE Speakers Committee
- Pixelated Liquid Argon TPC's (15+5): Dan Dwyer (LBNL), Christopher Mauger (Penn), Jonathan Asaadi (UTA)
- T2K Near Detector Upgrade (15+5): T2K Collaboration
- Super-K Gadolinium Loading Project (15+5): SK Collaboration

Joint session WG1+6

- Enhanced Physics with pixelated liquid argon TPC's (based on this paper) (15+5): C. Adams (ANL), M. Del Tutto (FNAL) → PROPOSED BY US
- The PRISM technique (15+5): Mike Wilking (Stony Brook University), Mark Hartz (Kavli IPMU / TRIUMF), Luke Pickering (Michigan State University) → PROPOSED BY US

Joint session WG2+6

- CMOS sensor for the cold and tiny (the possibility of doing micrometer tracking with a CMOS sensor called TopMetal)(15+5): Y. Mei (LBNL) → PROPOSED BY US
- Neutron detection at Near Detectors (15+5): Guang Yang (Stony Brook University) → PROPOSED BY US

Joint session WG4+6

- Proposed by WG4
- HV-MAPS detectors (developed for the Mu3e experiment + Atlas + ...)
- Mu2e/COMET straw tracker
- "Detector R&D for future high intensity muon beam." Invite Sarah Demers for a more general talk.
- (We WG6 agreed.)