

NuFact2016

WG3 Program

(for SPC meeting March 24)

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Summary of WG3 program in working

- 4 plenary talks
 - MICE status (Ken Long)
 - PIP and PIP-II at Fermilab (Steve Holmes or Sergei Nagaitsev)
 - LBNF and HyperK projects (Speaker?)
 - High-power operation at J-PARC (Hiroyuki Harada)
- 9 parallel sessions
 - 5 dedicated sessions for talks (PD + targetry, MICE, NF+MC, 2 for neutrino beamlines)
 - 3 joint sessions with other WGs (WG1+2+3, WG3+4, WG4+5)
 - 1 summary session

Potential talks

- Proton drivers and targetry (PS1)
 - Latest results on in-beam W powder target at CERN
 - Targets for high-intensity muon sources
 - RaDIATE collaboration
 - MOMENT target optimization
 - LBNF target optimization
 - HyperK target operation (?)
- MICE (PS2)
 - MICE Construction Progress (magnets included)
 - MICE Step IV
 - Beam dynamics optimization
 - MICE Cooling Demonstration

- **Neutrino Factories + Muon Collider (PS3)**
 - What is required for a Neutrino Factory – Jean-Pierre Delahaye?
 - What is required for a Higgs Factory – Dave Neuffer?
 - What is required for a multi-TeV Muon Collider – Dan Kaplan?
- **New neutrino beamline (PS4)**
 - NuPIL – Alan Bross
 - High Energy Tau Neutrino Physics – Dave Neuffer
 - MOMENT overview
 - ESSnuSB
- **Neutrino beamline (PS5)**
 - LBNF and other FNAL neutrino beamlines
 - Japanese Neutrino Beamlines

- J123 (PS6)
 - Impact of systematic uncertainties on DUNE
 - Impact of systematic uncertainties on Hyper-K
 - Prospects for precision of neutrino cross-section measurements over the next 10 years
 - Prospects for reducing beam flux uncertainties with hadron production experiments over the next 10 years
 - EMuS for MOMENT R&D and neutrino cross-section measurements
- J34 (PS7)
 - PRISM
 - Muon sources for Mu2e/MUG/COMET
 - Muon beamline for COMET
 - Muon beamline for Mu2e
- J35 (PS8)
 - SHIP project for heavy neutrino search