





#### Overview of Working Group 3: **Accelerator Physics**

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#### **Covered topics**

- Future beam facility
- High power beams and targets
- Muon source and beam manipulation
- Neutrino source and beam diagnostics





# Future beam facility (Physics goal, progress and plan)

- Special session for ESS from 09:00 to 11:45 on Tuesday
- Plenary talk for Muon collider at 17:35 on Monday
- ESS Accelerator status at 12:40 on Wednesday
- Upgrade Fermilab Accelerator at 13:10 on Wednesday
- Plenary talk for LBNF at 12:40 on Friday
- FCC at 16:00 on Thursday
- Gamma factory in Poster session
- Muon Collider at 16:30 on Thursday





# High power beams and targets (State of the art accelerator technologies)

- Series of ESS Accelerator complex from 16:00 to 17:00 on Tuesday, and in Poster session
- CSNS-II at 17:00 on Wednesday, and in Poster session
- IsoDAR at 16:30 on Wednesday
- Plenary talk for JPARC upgrade at 13:40 on Friday
- Plenary talk for High Power Target at 13:40 on Friday
- RaDIATE in Poster session
- PIP-II in Poster session
- Granular target in Poster session





## Muon source and beam manipulation (Challenging high statistics and low systematics)

- Beam dynamics in g-2 at 16:00 on Wednesday
- Series of MICE talk from 14:20 to 15:50 on Thursday
- COMET at JPARC at 13:40 on Wednesday

Joint session with WG4 (12:30-14:10 on Thursday)

- HiMB at PSI at 12:30
- muCool at PSI, at 12:55
- Mu2e/g-2 at Fermilab at 11:20
- MuSIC at Osaka U. at 13:45





## **Neutrino source and beam diagnostics** (Challenging high statistics and low systematics)

- NuMI upgrade at 15:20 on Wednesday
- NuMI beam diagnostics in Poster session
- Series of JPARC beam upgrade and diagnostics from 14:20 to 15:10 on Wednesday
- Special session for ENUBET/NuStorm from 09:00 to 11:55 on Thursday
- ENUBET at 17:00 on Tuesday







