



# Second Annual U.S. Future Circular Collider (FCC) Workshop 2024

## Tuesday, March 26, 2024

### Parallel: Theory and Experiment: Part 1 - Building 32, 32-124 (10:30 AM - 12:30 PM)

-Conveners: Patrizia Azzi; Robert Szafron

time	[id] title	presenter
10:30	[M7] Beam-induced background simulation studies for FCC	LAWSON, Casey
10:50	[M7] Opportunities and Challenges of the Hadron Cross Section at the Z pole	MALTA NOGUEIRA, Marina
11:10	[M4] Alpha_s	STEWART, Iain
11:30	[M1] High Multiplicity e+e- collisions	LEE, Yen-Jie
11:55	[M1] [Remote] Study of the jet tagging performance using the ParticleNet tagger for the IDEA vertex detector	SCIANDRA, Andrea
12:15	[M6] From Optimal Observables to Machine Learning: an Effective-Field-Theory Analysis of $e^+e^- \rightarrow W^+W^-$ at Future Lepton Colliders	LI, Lingfeng

### Parallel: Theory and Experiment: Part 2 - Building 32, 32-124 (1:30 PM - 3:30 PM)

-Conveners: Patrizia Azzi; Robert Szafron

time	[id] title	presenter
1:30	[M8] Higgs physics and detector requirements	GOUSKOS, Loukas
1:45	[M1] Prospects for Higgs to invisible at the FCC-ee	BOYE, Diallo
2:00	[M3] Higgs coupling in ZH di-jet and fully hadronic final states	VELISCEK, Iza
2:15	[M1] Constraining CP-odd contributions in the Higgs-strahlung process at FCC-ee using kinematic observables	PINTO, Nicholas
2:30	[M4] Sensitivity to BSM fermions from Higgs precision studies	FREITAS, Ayres
2:45	[M4] Top Quark Couplings Prospects at Future Lepton Colliders	CORNET-GOMEZ, Fernando
3:00	[M9] ALPs at the FCC	THAMM, Andrea