

8th FCC Physics Workshop

Tuesday 14 January 2025

Joint Physics Programme and Performance: Higgs/EW - 503/1-001 - Council Chamber (11:00 - 12:30)

-Conveners: Patrizia Azzi; Michele Selvaggi; Emmanuel Francois Perez; Frank Simon; Matthew Philip Mccullough

time	[id] title	presenter
11:00	[21] Higgs couplings (combination, WW/ZZ, 365, tau tau)	MALOIZEL, Alexis
11:30	[22] Higgs mass, cross sections, CP, self-coupling	LI, Ang
12:00	[23] Top summary (top EW couplings, Vts, mass, exotics)	DEFRANCHIS, Matteo

Joint Physics Programme and Performance: Top/EW - 503/1-001 - Council Chamber (14:00 - 16:00)

time	[id] title	presenter
14:00	[24] FCC and Naturalness	D'AGNOLO, Raffaele
14:20	[25] Rs, AFBss, RC, B->K*gamma	
14:40	[26] Advanced reconstruction of hadronic events using AI	RUAN, Manqi
15:00	[27] Tau polarization and reconstruction	CEPEDA, Maria
15:20	[28] Accuracy complements energy: electroweak precision tests at Tera-Z	STEFANEK, Ben
15:40	[29] Quantum tomography with taus	MARZOLA, Luca

Wednesday 15 January 2025

Joint Physics Programme and Performance: QCD+Flavour - 503/1-001 - Council Chamber (09:00 - 10:30)

time	[id] title	presenter
09:00	[36] RGE systematics	HAUTMANN, Francesco
09:20	[37] CKM determination from W decays	MARZOCCA, David MARZOCCA, David
09:40	[38] Z and H FCNC's	KORAJAC, Arman TAMMARO, Michele

Joint Physics Programme and Performance: BSM - 503/1-001 - Council Chamber (11:00 - 12:30)

time	[id] title	presenter
11:00	[39] Heavy vectors	TORRE, Riccardo
11:30	[40] Higgs exotica (2HDM, H->4b, LL)	GALLEN, Axel
11:50	[41] ALPS	POLESELLO, Giacomo
12:10	[42] HNL latest results/summaries	KONTAXAKIS, Pantelis

Joint Physics Programme and Performance: QCD+Flavour - 503/1-001 - Council Chamber (14:00 - 16:00)

time	[id] title	presenter
14:00	[43] Leptophilic Z' bosons at the FCC	Dr ZURITA, José Francisco
14:20	[44] Transverse spin asymmetries and the electron Yukawa coupling at an FCC-ee	Prof. PETRIELLO, Francis
14:40	[45] Charm (Ds->pi0pi0)	HACHENEY, Tabea
15:00	[46] Light quark EW couplings	MEKALA, Krzysztof
15:20	[47] Light fermion Yukawas	GROEBER, Ramona

Joint Physics Programme and Performance: QCD + Flavour - 503/1-001 - Council Chamber (16:30 - 18:30)

time	[id] title	presenter
16:30	[48] QCD with low-sqrt(S) runs at FCC-ee	VERBYTSKYI, Andrii
16:50	[49] Flavour at FCC-ee	DAVIGHI, Joseph Enea
17:10	[50] Lepton number violation and heavy neutrino-antineutrino oscillations	HAJER, kahlouci