



# FCC Week 2023

## Tuesday 6 June 2023

### PE&D: Physics Case + Theoretical calculations (I) - Cromwell 1+2 (08:30 - 10:00)

-Conveners: Bill Murray

time	[id] title	presenter
08:30	[378] Precision electroweak	PAUS, Christoph
09:00	[348] QCD & parton showers	MONNI, Pier Francesco
09:30	[381] BSM & physics case	RENNER, Sophie Alice

### PE&D: Physics Case + Theoretical calculations (II) - Cromwell 1+2 (10:30 - 12:00)

-Conveners: Eleni Vryonidou

time	[id] title	presenter
10:30	[349] Higgs physics	DE BLAS, Jorge
11:00	[382] Flavour physics	F. KAMENIK, Jernej
11:30	[383] Latest developments in FCC Analysis	SMIESKO, Juraj

# Wednesday 7 June 2023

## **PE&D: Detector requirements from Physics (I) - Cromwell 1+2 (08:30 - 10:00)**

-Conveners: Andrew Pilkington

time	[id] title	presenter
08:30	[352] General Higgs performance overview	EYSERMANS, Jan
08:45	[355] Higgs mass, $\sigma(\text{ZH})$ and self-coupling	PORTALES, Louis
09:00	[358] Higgs hadronic couplings and Higgs to invisible	GOUSKOS, Loukas
09:15	[361] In-situ determination of acceptances	JANOT, Patrick
09:37	[364] Heavy quark electroweak measurements	ROHRIG, Lars

## **PE&D: Detector requirements from Physics (II) - Cromwell 1+2 (10:30 - 12:00)**

-Conveners: Elizabeth Brost

time	[id] title	presenter
10:30	[366] Detector requirements from B to $K^*$ tau tau	MIRALLES, Tristan
10:45	[367] Prospects for b to snunu and requirements on the detector	KENZIE, Matthew William
11:00	[368] Detector requirements from Tau physics	LUSIANI, Alberto
11:15	[369] Detector requirements from BSM: long-lived signatures	WILLIAMS, Sarah Louise
11:37	[372] Detector requirements from BSM: prompt signatures	VALLE, Nicolo

# Thursday 8 June 2023

## **PE&D: Detectors (I) - Cromwell 1+2 (10:30 - 12:04)**

-Conveners: **Rebeca Gonzalez Suarez**

time	[id] title	presenter
10:30	[469] Introduction to detectors	SEFKOW, Felix DAM, Mogens
10:35	[350] Calorimetry R&D for FCC-ee and FCC-hh	GAUDIO, Gabriella
10:57	[351] Si tracking and vertexing R&D for FCC	Prof. BORTOLETTO, Daniela
11:19	[385] Particle ID and Photodetector R&D for FCC	FORTY, Roger
11:41	[353] Gaseous detector R&D for FCC	Dr TITOV, Maksym

## **PE&D: Software and Computing / Detectors - Cromwell 1+2 (13:30 - 15:00)**

-Conveners: **Marc-Andre Pleier**

time	[id] title	presenter
13:30	[354] Status of software for detector studies	FRANCOIS, Brieuc
13:55	[356] IDEA vertex detector in Key4hep	ILG, Armin
14:10	[357] RICH full sim implementation in Key4hep	TOLOSA DELGADO, Alvaro
14:30	[359] IDEA Dual readout calorimeter in Key4hep	KO, Sang Hyun
14:45	[360] FCC-ee TileCal simulation and reconstruction	MLYNARIKOVA, Michaela

## **PE&D: Detectors (II) - Cromwell 1+2 (15:30 - 17:00)**

-Conveners: **Paolo Giacomelli**

time	[id] title	presenter
15:30	[362] Tracking system requirements ALICE-3 versus FCC-ee	CONTARDO, Didier Claude
16:00	[363] Si detector development for ALICE ITS3 and ALICE 3	MAGER, Magnus
16:30	[365] Detector activities and plans in the US	RAJAGOPALAN, Srin