

Particle Physics Challenges

Tuesday 25 September 2018

Plenary Session - Main Auditorium (14:00 - 16:00)

-Conveners: Michael Kraemer

time	[id] title	presenter
14:00	[88] Gravitational waves and particle physics	URBANO, Alfredo
14:40	[89] Astroparticles / Cosmology connections	VERDE, Licia
15:20	[90] Towards BSM model building from asymptotic safety	EICHHORN, Astrid

Plenary Session - Main Auditorium (16:30 - 17:50)

-Conveners: Christophe Grojean

time	[id] title	presenter
16:30	[91] Dark matter: beyond the vanilla case	SCHMIDT-HOBERG, Kai
17:10	[92] News from ν 's: Hot Topics in Neutrino Physics	KOPP, Joachim

Wednesday 26 September 2018

Plenary Session - Main Auditorium (09:00 - 11:00)

-Conveners: Anna Kulesza

time	[id] title	presenter
09:00	[93] Precision measurements (ATLAS/CMS)	BLUMENSCHIEIN, Ulrike
09:40	[94] Multiparticle production and automation	DENNER, Ansgar
10:20	[95] Top quark physics with high precision	CZAKON, Michal

Plenary Session - Main Auditorium (11:40 - 13:00)

-Conveners: Gudrun Heinrich

time	[id] title	presenter
11:40	[96] Exploring the top-Higgs connection at colliders	MALTONI, Fabio
12:20	[97] Higgs physics for the HL-LHC and beyond	SPANNOWSKY, Michael

Thursday 27 September 2018

Plenary Session - Main Auditorium (09:00 - 11:00)

-Conveners: Gudrid Moorgat-Pick

time	[id] title	presenter
09:00	[98] Direct searches for new physics at the LHC (ATLAS/CMS)	MOORTGAT, Filip
09:40	[99] New solutions to hierarchy problems	CRAIG, Nathaniel
10:20	[100] The σ_8 and H_0 problems and BSM of Cosmology	SCHMALTZ, Martin

Plenary Session - Main Auditorium (11:40 - 13:00)

-Conveners: Frank Tackmann

time	[id] title	presenter
11:40	[101] QCD at high precision for the LHC	TANCREDI, Lorenzo
12:20	[102] Jet substructure and machine learning	MOULT, Ian

Friday 28 September 2018

Plenary Session - Main Auditorium (09:00 - 11:00)

-Conveners: Joerg Jaeckel

time	[id] title	presenter
09:00	[104] Recent results from heavy flavour physics	RADEMACKER, Jonas
09:40	[105] Searching for New Physics with Flavour Observables	MANNEL, Thomas
10:20	[107] Future of Physics Beyond Colliders at CERN	VALLÉE, Claude

Plenary Session - Main Auditorium (11:40 - 13:00)

-Conveners: Georg Weiglein

time	[id] title	presenter
11:40	[108] Non-collider BSM	POSPELOV, Maxim
12:20	[109] Future facilities	MCCULLOUGH, Matthew