



# 13th Annual Meeting of the Helmholtz Alliance "Physics at the Terascale"

## Tuesday 26 November 2019

### Physics beyond the SM - SR 4a (11:30 - 13:00)

-Conveners: Frank Ellinghaus; Thorsten Ohl; Saranya Samik Ghosh; Samuel Bein; Alexander Mann

time	[id] title	presenter
11:30	[1] Light stops, heavy gluinos, and a novel solution to the little hierarchy problem	Prof. NIERSTE, Ulrich
11:50	[28] Searches for sleptons, charginos and neutralinos with compressed mass spectra using the ATLAS detector at $\sqrt{s} = 13$ TeV	Mr SABATER IGLESIAS, Jorge Andres
12:10	[11] Search for Higgsino production in SUSY scenarios with a compressed mass spectrum	Mr NISSAN, Yuval
12:30	[7] Anomalous magnetic moments from asymptotic safety	Mrs HORMIGOS-FELIU, Clara

### Physics beyond the SM - SR 4a (14:00 - 16:30)

-Conveners: Frank Ellinghaus; Thorsten Ohl; Alexander Mann; Saranya Samik Ghosh; Samuel Bein

time	[id] title	presenter
14:00	[10] Search for new physics with leptons in the final state	Dr HOEPFNER, Kerstin
14:25	[5] The tail of Wh: another way of probing New Physics with dibosons	Mr ROSSIA, Alejo Nahuel
14:45	[29] Searching for the single production of vector-like quarks in the Wb final state with the ATLAS detector at 13TeV	Mr SCHENCK, Ferdinand
15:05	[30] Background estimation for the search of single production of vector-like quarks	Mr RAHMAN, Maxx Richard
15:25	[31] Probing Higgs Sector New physics in the tail of the di-boson production	Dr QIAN, Zhuoni
15:45	[32] Search for dark matter produced in association with fully-hadronically decaying top quark pair in events with medium missing transverse energy	Mr LOU, Xuanhong
16:05	[33] LQ-SP associated with a $\tau$ lepton, decaying into charm and neutrino at ATLAS	BAUER, Patrick

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11:00	[0] Supersymmetric Higgs Inflation at Colliders	Dr HOLLIK, Wolfgang Gregor
11:20	[12] Search for SUSY in events with same-flavor opposite-charge dileptons, jets, and missing transverse momentum at CMS	Mr TEROERDE, Marius
11:40	[3] Chargino search at the ILC	Dr NÚÑEZ PARDO DE VERA, María Teresa
12:00	[6] Improved determination of the MSSM SM-like Higgs~mass for large $\tan\beta$ , complex input parameters and heavy SUSY	SOBOLEV, Ivan
12:20	[4] Calculation of the Higgs mass in the MSSM at NNNLO and NNNLL with $X_t$ resummation	Mr KWASNITZA, Thomas
12:40	[34] Search for disappearing tracks with CMS	Mr KUTZNER, Viktor