

Physics at the LHC and beyond

Wednesday 30 September 2015

Particle Phenomenology: SM-Precision - Seminar room 4a (14:00-15:45)

time	[id] title	presenter
14:00	[110] Electroweak Corrections to Higgs-strahlung Processes at the LHC in THDM	CHENG, Taoli
14:15	[30] Next-to-leading order electroweak corrections to $pp \rightarrow W + W^- \rightarrow 4$ leptons at the LHC	SALFELDER, Lukas
14:30	[31] NLO corrections to top-quark pair hadroproduction in association with (heavy) bosons	Dr PAGANI, Davide
14:45	[116] Automated NLO QCD+EW corrections for the LHC	LINDERT, Jonas
15:00	[72] LHC physics with GoSam 2.0	Mr GREINER, Nicolas
15:15	[88] WW + jet: compact analytic results	Dr ROBENS, Tania

Particle Phenomenology: Model building - Seminar room 4b (14:00-15:45)

time	[id] title	presenter
14:00	[34] Generating fermion masses and mixing angles in extra Higgs doublet models	Ms SOLAGUREN-BEASCOA, Ana
14:15	[99] $\beta_h \rightarrow \mu \tau$ as an indication for S_4 flavor symmetry	Mr SCHUMACHER, Erik
14:30	[76] Adjoint $SU(5)$ GUT model with T_7 flavor symmetry	Dr CAROLINA, Arbelaez
14:45	[98] Quantum structure of the minimal calculable unified model	MEDE, Timon
15:00	[28] Fermion representations in GUTs: on the quest for family unification	Dr FONSECA, Renato
15:15	[67] Integrating in the Higgs Portal to Fermion Dark Matter	WESTHOFF, Susanne

Particle Phenomenology: SM-Precision/Resummation - Seminar room 4a (16:05-17:50)

time	[id] title	presenter
16:05	[80] Transverse momentum resummation in Higgs production	EBERT, Markus
16:20	[78] Resummation of double-differential cross sections	ZEUNE, Lisa
16:35	[101] Beyond NNLL' qT resummation with CuTe	Dr LÜBBERT, Thomas
16:50	[91] Higher-order corrections to (double) Higgs production	Dr HOFF, Jens
17:05	[122] Higgs pair production at the LHC: SM and beyond	VRYONIDOU, Eleni
17:20	[117] Higgs Production at N3LO	HERZOG, Franz

Particle Phenomenology: Dark matter at colliders - Seminar room 4b (16:05-17:50)

time	[id] title	presenter
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16:05	[33] Majorana Dark Matter at the LHC and IceCube -- A Simplified Models Interpretation	Dr HEISIG, Jan
16:20	[90] Interplay between dark matter models and LHC data	Dr CHALA, Mikael
16:35	[24] Lepton Jets from Radiating Dark Matter	Mr BUSCHMANN, Malte
16:50	[53] Coannihilating Dark Matter at the LHC	Dr BAKER, Michael
17:05	[82] Discovering Displaced Higgs Portal Dark Matter at the LHC	Mr KANG, Dong Woo
17:20	[95] Dark Matter Mono- ZZ Production at the LHC beyond Leading Order in the Simplified Models	Dr WANG, Jian

Thursday 01 October 2015

Particle Phenomenology: SUSY I - Seminar room 4b (14:00-15:40)

time	[id] title	presenter
14:00	[84] GM2Calc - A tool for calculating the muon ($g-2$) in the MSSM	Mr BACH, Markus
14:15	[96] Full two-loop fermionic contributions for ($g-2$) in the Two-Higgs-Doublet Model	Dr LANA CHERCHIGLIA, Adriano
14:30	[48] Semi-automated two-loop calculations at the example of Higgs masses in the MSSM	Dr PAßEHR, Sebastian
14:45	[63] Precise predictions for Higgs-masses in the Next-to-Minimal Supersymmetric Standard Model (NMSSM)	DRECHSEL, Peter
15:00	[108] Higgs mass in R-symmetric SUSY at one-loop level and beyond	Mr KOTLARSKI, Wojciech
15:15	[83] Is a light singlet within an R-symmetric SUSY model viable?	Mr DIESSNER, Philip

Particle Phenomenology: Phenomenology - Seminar room 4a (14:00-15:40)

time	[id] title	presenter
14:00	[41] Symmetry restored in dibosons at the LHC?	Mr BREHMER, Johann
14:15	[29] Searching for new physics in Higgs to four leptons	Prof. STOLARSKI, Daniel
14:30	[39] Effective field theory over the edge: implications for Higgs physics	Dr LOPEZ-VAL, David
14:45	[62] Using CheckMATE and FRITZ to set automatised LHC constraints	Mr SCHMEIER, Daniel
15:00	[57] SUSY Higgs Mass and Collider Signals with a Hidden Valley	Dr NAKAI, Yuichiro
15:15	[23] Hiding Missing Energy in Missing Energy	Dr LIU, Jia

Particle Phenomenology: SUSY II - Seminar room 4b (16:05-17:50)

time	[id] title	presenter
16:05	[70] Neutral Higgs production in the MSSM with complex parameters	PATEL, Shruti
16:20	[38] Interference effects in MSSM Higgs searches	FUCHS, Elina
16:35	[56] ATLAS Z + MET Excess in the MSSM	Dr TERADA, Takahiro
16:50	[35] Scale invariant SUSY search with simplified topologies	Mr SCHLAFFER, Matthias
17:05	[61] Charge and Color Breaking minima in the MSSM: the bottom-up connection	Dr HOLLIK, Wolfgang Gregor

Particle Phenomenology: QCD - Seminar room 4a (16:05-17:50)

time	[id] title	presenter
16:05	[94] Quark isospin asymmetry at small and large x	ALEKHIN, Sergey
16:20	[74] Transverse momentum dependent (un)polarized gluon distributions in Higgs production	KASEMETS, Tomas
16:35	[75] Jet angular correlation in the top quark pair production	NAKAMURA, Junya

16:50	[123] The Matrix Element Method at next-to-leading order accuracy	MARTINI, Till
17:05	[87] Improved Estimates for the Parameters of the Heavy Quark Expansion	Dr HEINONEN, Johannes
17:20	[26] PERSPECTIVE STUDY OF CHARMONIUM, EXOTICS AND BARYONS WITH CHARM AND STRANGENESS	Dr MIKHAIL, Barabanov