

Session Program

23-27 Jul 2018



26th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2018)

Precision Calculations and MC tools

Barcelona, Hotel Catalonia Plaza
Hotel Catalonia Plaza, Plaça Espanya, 6-8

Monday 23 July

17:30

Precision Calculations and MC tools: Session 1

Session | Location: Plaza 1 | Convener: Elisabetta Furlan

17:30-17:55 **Bottom and strange Yukawa couplings at the NNLO in the MSSM**

Speaker

Margherita Ghezzi

17:55-18:20

Quark jet rates and quark gluon discrimination in multi-jet final states

Speaker

Yasuhito Sakaki

18:30

Tuesday 24 July

14:30

Precision Calculations and MC tools: Session 2

Session | Location: Plaza 1 | Convener: Markus Christian Schulze

14:30–14:54 **Higher-order calculations in the mnuSSM**

Speaker

Thomas Biekotter

14:54–15:18 **Fast approximation of SUSY NLO cross-sections using Deep Learning**

Speaker

Sydney Otten

15:18–15:42 **Fast computation of electroweakino cross-sections: the EWKFast tool**

Speaker

Dr Kazuki Sakurai

15:42–16:06

Slepton pair and electroweakinos associated production at NLO+NLL with resummation-improved parton densities for the LHC Run-II

Speaker

Juri Fiaschi

16:06–16:30 **Decays of (more or less) exotic Higgs bosons**

Speaker

Heidi Angelika Rzehak

16:30

17:00

Precision Calculations and MC tools: Session 3

Session | Location: Plaza 1 | Convener: Elisabetta Furlan

17:00–17:25

Determination of the Higgs masses in the MSSM with heavy superparticles

Speaker

Pietro Slavich

17:25–17:50 **Precise Higgs mass predictions in the (N)MSSM**

Speaker

Alexander Voigt

17:50–18:15

Towards high-precision for high-scale SUSY: status and perspectives on the EFT Higgs-mass computation in FlexibleSUSY

Speaker

Emanuele Angelo Bagnaschi

18:15–18:40 **The prediction of the W boson mass in an R-symmetric model**

Speaker

Philip Diessner

18:40