

Session Program

3-8 Jul 2016



SUSY 2016

Precision Calculations and Simulations

The University of Melbourne, Carrillo Gantner Theatre
Sidney Myer Asia Centre The University of Melbourne VIC 3010 Australia

Monday 4 July

14:00

Precision Calculations and Simulations

Session | **Location:** Alice Hoy Room 333 | **Convener:** Peter Skands

14:00–14:20

HEPfit: a Code for the Combination of Indirect and Direct Constraints on High Energy Physics Models

Speaker

Dr Jorge de Blas

14:20–14:40

Container technology for Phenomenology tools

Speaker

Sven Heinemeyer

14:40–15:00

CheckMATE and SUSY-AI

Speaker

Dr Jong Soo Kim

15:00–15:20

Interpreting the simplified models results from the LHC with SModelS

Speaker

Federico Ambroggi

15:20–15:40

GAMBIT - A general-purpose Beyond-the-Standard-Model global fitting tool

Speaker

Dr Benjamin Farmer

16:00

16:30

Precision Calculations and Simulations

Session | **Location:** Alice Hoy Room 333 | **Convener:** Zachary Louis Marshall

16:30–16:50

Renormalization-Scale Uncertainty in the Decay Rate of False Vacuum

Speaker

Yutaro Shoji

16:50–17:10

Model independent constraints on new physics with HEPfit

Speaker

Dr Jorge de Blas

17:30

Tuesday 5 July

16:30

Precision Calculations and Simulations

Session | **Location:** Alice Hoy Room 333 | **Convener:** Sven Heinemeyer

16:30–16:50

Precision Higgs mass predictions in minimal and non-minimal SUSY models

Speaker

Peter Athron

16:50–17:10

High-Precision Higgs Masses in the Complex MSSM

Speaker

Sebastian Paßehr

17:10–17:30

Signal Morphing techniques and possible application to Higgs properties measurements

Speaker

Katharina Maria Ecker

17:30–17:50

Impact of Jet Veto Resummation on Slepton Searches

Speaker

Lisa Zeune

17:50–18:10

Precise Higgs-mass predictions in the Next-to-Minimal Supersymmetric Standard Model

Speaker

Sebastian Paßehr

18:10–18:30

Production of Heavy neutrino in next-to-leading order QCD at the LHC and beyond

Speaker

Partha Konar

18:30