

Session Program

5-9 Sept 2011

ACAT 2011

***Monday 05th - Computations in Theoretical
Physics***

Monday 5 September

14:00

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Session

14:00–14:25

Three-Loop Calculation of the Higgs Boson Mass in Supersymmetry

Speaker

Dr Philipp Kant

14:25–14:50

Multiloop calculations in supersymmetric theories with the higher covariant derivative regularization

Speaker

Dr konstantin stepanyantz

14:50–15:15

Regularization Schemes and Higher Order Corrections

Speaker

William Kilgore

15:15–15:40

An analytical solution for a non-planar massive double box diagram

Speaker

Mr Andreas von Manteuffel

15:40–16:10

Coffee break

16:10–16:35

SecDec: a tool for numerical multi-loop/leg calculations

Speaker

Jonathon Carter

16:35–17:00

Regularization of IR-divergent loop integrals

Speaker

Prof. Elise de Doncker

17:00–17:25

Different forms of the generalized Crewther relation in QCD and QED: concrete consequences of analytical multiloop calculations

Speaker

Dr Andrei Kataev

17:25–17:50

FormCalc 7

Speaker

Thomas Hahn

18:00