

Session Program

6-8 Sept 2006

High Precision for Hard Processes at the LHC

Day 1

ETH Zurich

Wednesday 6 September

09:00

Day 1

Session | Location: ETH Zurich

09:00–09:40

Road to the LHC: passing by the Tevatron

Speaker

Joey Huston

09:40–10:05

Latest results from MC@NLO

Speaker

Bryan Webber

10:05–10:30

The Unitarity Bootstrap for QCD Loop Amplitudes

Speaker

David Kosower

10:30–11:00

Coffee

11:00–11:25

Higgs+dijets production at NLO with semi-numerical methods

Speaker

Giulia Zanderighi

11:25–11:50

Can we find a computationally efficient loop algorithm?

Speaker

Giampiero Passarino

11:50–12:15

Precise predictions for the Higgs-boson decay $H \rightarrow WW/ZZ \rightarrow 4 \text{ fermions}$

Speaker

Ansgar Denner

12:15–14:00

Lunch

14:00–14:25

Numerical evaluation of one-loop amplitudes

Speaker

David Soper

14:25–14:50

Automated QCD calculations at NLO

Speaker

Stefan Weinzierl

14:50–15:15

Unitarity Cuts and QCD Loop Amplitudes

Speaker

Ruth Britto

15:15–15:35

Coffee

15:35–16:00

Loop amplitudes from MHV diagrams (I)

Speaker

Gabriele Travaglini

16:00-16:25

Exclusive Drell-Yan production at NN LO**Speaker**

William Kilgore

16:25-16:50

Status of NNLO corrections to $e^+e^- \rightarrow 3j$ **Speaker**

Thomas Gehrmann

16:50-17:10

Coffee

17:10-17:35

Computing one-loop amplitudes at the integrand level**Speaker**

Roberto Pittau

17:35-18:00

Higgs Production via Gluon Fusion: QCD corrections to Squark Loops**Speaker**

Michael Spira

18:00-18:25

QCD corrections to vector-boson fusion processes**Speaker**

Carlo Oleari

18:25