

MADGRAPH 2011

Academia Belgica Roma

Sept 19-23 2011

The Annual MadGraph Meeting 2011 is supported by:



20 Tuesday Morning (Plenary)

9:00-9:15 Welcome (Fabio Maltoni)

9:15-9:45 Keynote (Tim Stelzer)

9:45-10:30 Matrix element methods for discovery at the LHC (Pierre Artoisenet)

10:30 - 11:00 Coffee Break

11:00-11:30 MG5 and ALOHA (Olivier Mattelaer)

11:35-12:05 MadLoop (Valentin Hirshi)

12:10-12:40 FeynRules (Benjamin Fuks/Claude Duhr)

Tuesday Afternoon (Working Groups/Discussions)

14:30 - 16:30 Working group meetings

16:30 - 17:00 Coffee Break

17:00 - 18:30 Working group meetings

18:30 - 19:00 Large scale event generation in CMS with MG5 (Alexis Kalogeropoulos)

21 Wednesday Morning (Plenary)

9:00-9:50 NLO pheno at the LHC with aMC@NLO (Rikkert Frederix)

10:00-10:30 MadGolem overview (David Lopez-Val)

10:30-11:00 Coffee

11:00-11:50 Golem overview (Alberto Guffanti)

12:00-12:30 Squark-neutralino and SUSY production at NLO (Dorival Goncalves Netto)



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18:30 - 19:00 Effective field theory approach to new physics searches (Celine Degrande)

Thursday Morning (Plenary)

9:00-9:50 Jet scaling and jet vetos (Tilman Plehn)

10:00-10:25 From gravitons to gravitinos : MET signatures at the LHC (Priscila de Aquino)

10:30-11:00 Coffee

11:00-11:30 CutTools (Roberto Pittau)

11:35-12:05 SAMURAI (Francesco Tramontano)

12:10-12:40 WW Unitarisation models (Diogo Buarque Franzosi)

Thursday Afternoon (Working Groups/Discussions)

14:30 - 16:30 Working group meetings

16:30 - 17:00 Coffee Break

17:00 - 19:00 Working group meetings

Friday Morning (Plenary)

9:00-9:45 What could we learn on QCD from N=4 SUSY? (Claude Duhr)

9:45-10:05 SUSY Higgs Physics at the LHC (Giuseppe Degrassi)

10:10-10:30 Improved treatment of a fermiophobic Higgs at the LHC (Barbara Mele)

10:30-11:00 Coffee

11:00-12:30 Working group reports and discussions

12:30-12:45 Farewell

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Working Groups and Coordinators

1. SM and BSM NLO :

Roberto Pittau (LOOPS)
Rikkert Frederix (Automatic NLO)
Kentaro Mawatari (SUSY-NLO)
Benjamin Fuks (BSM-NLO)

2. FR/UFO/ALOHA/MG5 :

Claude Duhr (FR and UFO)
Olivier Mattelaer (ALOHA/MG5)
Celine Degrande (EFT, R2,..)

3. TREE-LEVEL optimizations :

Fabio Maltoni (multi-parton, complex mass, scheme, GPU's)
Pierre Artoisenet (MEM's, decay chains)

Currently Scheduled talks in the working groups:

- * ttbar bound states in MG (Hiroshi Yokoya)
- * Update on MadFKS in MG5 (Marco Zaro)
- * Update on GPU (Junichi Kanzaki)
- * BNV in top physics (Gauthier Durieux)
- * Automatic renormalization in FeynRules (Benjamin Fuks)
- * MadAnalysis 5 (Benjamin Fuks)
- * Decay chains (Kaoru Hagiwara)