

Session Program

3-7 Jun 2024



12th Edition of the Large Hadron Collider Physics Conference

Top Physics

Boston, USA
Northeastern University, Boston, USA

Wednesday 5 June

11:00

Top Physics

Session | **Location:** ISEC Room 138 | **Conveners:**

Giuseppe Bevilacqua, Giulia Negro, Giuseppe Bevilacqua, Marcel Vos, Maeve Madigan

11:00-11:18

ATLAS results on top spin and entanglement

Speaker

Baptiste Ravina

11:18-11:36

CMS results on top spin correlations and entanglement

Speakers

Regina Demina, r Demina

11:36-11:54

Quantum information with top quarks and the LHC

Speaker

Juan Ramon Munoz De Nova

11:54-12:12

CMS top quark cross section measurements

Speaker

Sebastian Wuchterl

12:12-12:30

ATLAS top quark cross section measurements

Speaker

Peter Hansen

12:30-12:48

Progress on $t\bar{t}$ cross section calculations and impact on PDFs

Speaker

Marco Guzzi

12:48

Thursday 6 June

14:00

Top Physics: Top + higgs

Session | **Location:** ISEC Room 136 | **Conveners:**

Giuseppe Bevilacqua, Maeve Madigan, Giulia Negro, Marcel Vos, Javier Mazzitelli, Tatsuya Masubuchi, Chris Palmer

14:00–14:18

Higgs interference effects in top-quark pair production in the 1HSM

Speaker

Prof. Andrea Banfi

14:18–14:36

Top+boson measurement, CMS

Speaker

Jose Enrique Palencia Cortezon

14:36–14:54

Top+boson measurement, ATLAS

Speaker

Lucia Keszeghova

14:54–15:12

RG running effects in ttH in the SMEFT

Speaker

Stefano Di Noi

15:12–15:30

NNLO QCD corrections to ttW production at the LHC

Speaker

Simone Devoto

15:30

Friday 7 June

11:00

Top Physics: Top + EFT

Session | **Location:** ISEC Room 140 | **Conveners:**
Maeve Madigan, Giulia Negro, Giuseppe Bevilacqua, Marcel Vos

11:00–11:18

Indirect constraints on top quark operators from a global SMEFT analysis

Speaker

Antonio Rodriguez Sanchez

11:18–11:36

CMS EFT results with top quarks

Speaker

Jack Li

11:36–11:54

A global analysis of the SMEFT under the minimal MFV assumption

Speaker

Anke Biekötter

11:54–12:12

Going beyond Top EFT

Speaker

Prof. Andre Lessa

12:12–12:30

Automating matching to the SMEFT

Speaker

Anders Eller Thomsen

12:30

14:00

Top Physics

Session | **Location:** ISEC Room 140 | **Conveners:**
Marcel Vos, Giuseppe Bevilacqua, Maeve Madigan, Giulia Negro

14:00–14:18

ATLAS top quark mass measurements

Speaker

Thomas Mclachlan

14:20–14:38

Top Mass Measurements with Energy Correlators

Speaker

Jack Holguin

14:40–14:58

Top-quark pole mass extraction at NNLO accuracy

Speaker

Maria Vittoria Garzelli

15:00–15:18

Associated production of top-quark pairs with photons at NLO accuracy

Speaker

Daniel Stremmer

15:30