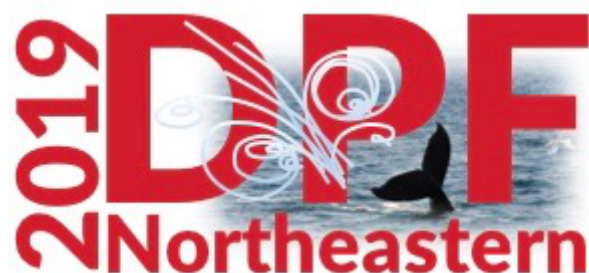


Session Program

29 July 2019 to 2 August 2019



**2019 Meeting of the Division of Particles &
Fields of the American Physical Society**

Top Quark Physics

Northeastern University
Northeastern University, Boston MA Physics Department, 110 Forsyth St., Boston MA 02115 US

Thursday 1 August

14:00

Top Quark Physics

Session | **Location:** Northeastern University, Shillman 325 | **Conveners:**
Louise Skinnari, Reinhard Schwienhorst, Nikolaos Kidonakis

14:00–14:20 **Theoretical predictions for top-quark production processes**

Speaker
Nikolaos Kidonakis

14:20–14:40

Measurement of the top quark Yukawa coupling from $t\bar{t}$ differential cross sections in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV

Speaker
Prof. Regina Demina

14:40–15:00

Prospects for Measuring the Four-Top Production Cross Section using 139fb^{-1} of Data in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector

Speaker
Rachel Elizabeth Lindley

15:00–15:20 **Search for standard model production of four top quarks**

Speaker
Caleb Arthur Fangmeier

15:30

16:00

Top Quark Physics

Session | **Location:** Northeastern University, Shillman 325 | **Conveners:**
Nikolaos Kidonakis, Louise Skinnari, Reinhard Schwienhorst

16:00–16:20 **Top quark pair production: window into polarized gluon distributions**

Speaker
Dr Gary Goldstein

16:20–16:40 **Precision measurement of the top quark spin correlations at CMS**

Speaker
Jason Robert Thieman

16:40–17:00

Measurement of top quark decay width in the dilepton channel from pp collisions at 13 TeV with CMS data

Speaker
Wenyu Zhang

17:00–17:20

Soft-gluon corrections for single top quark production in association with electroweak bosons

Speaker

Matthew Forslund

17:20–17:40

Complete measurement of the top-quark polarisation in t-channel single top-quark production with ATLAS detector

Speaker

Runyu Bi

17:40–18:00

Search for single top quark production in association with a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC

Speaker

Harish Potti

18:00