

PROGRAM OF THE DAY

QCD@LHC-X

Aug 31–Sept 3 · 2020



SEP 1 TUE

Dear QCD enthusiasts,

In this second day of the workshop we will be presented with a broad set of results.

In the first part, we will consider EW precision measurements and different aspects of the PDF determination, both from a theoretical and experimental point of view.

In second part, we will hear about the impact of ML techniques to enhance/improve our MC's and then exposed to new cutting edge techniques to perform precision calculations in perturbative QCD. As usual, we will dedicate time for questions and discussions.

Enjoy!
The organisers

Join Zoom Meeting

Room name: CERN-TH QCD events
Meeting ID: 995 8332 2597
Passcode: 600983

INDICO page at CERN

Q&A : SLIDO#74624

14:00

Status and challenges of EW precision measurements at LHC

Paolo Francavilla (Pisa)

14:35

PDFs: new constraints and novel directions

Lucian Harland-Lang (Oxford)

15:10

Impact of LHC data on PDF determinations and expectations from HL-LHC

Speaker: Stefano Camarda (Geneva)

15:45

Break

16:00

Machine learning techniques for MC generation

Speaker: Anja Butter (Heidelberg)

16:35

NNLO subtraction for numerical integration of virtual amplitudes

Mao Zeng (Zurich)

17:10

New mathematics for amplitudes

Pierpaolo Mastrolia (Padova)

17:45

Discussion