

## LHC EW WG 2: Jets and EW bosons

ATLAS: Ben Nachman, Eram Rizvi

CMS: Anastasia Grebenyuk, Hannes Jung

LHCb: Will Barter, Stephen Farry

TH: Marek Schoenherr

May 28, 2019

Warm welcome to Ben Nachman as  
a new contact from ATLAS!

Thanks a lot to Heberth Torres!

Twiki: <https://twiki.cern.ch/twiki/bin/view/LHCPhysics/EWWG2>

Regular meetings every second week, Tuesday 15-17h,  
<https://indico.cern.ch/category/3290/>

General LHC EWWG meeting on Tue-Wed July 2nd and July 3rd

What can be achieved for the July meeting:

- ▶ Common LHC tune for different NLO MC generators:
  - ▶ the working plan is rather clear. So far no one volunteered
  - ▶ we should make clear the importance of this work to attract people
    - ▶ what are the uncertainty on the tuning? By how much we can improve the understand of the Data/MC agreement in the view of the current measurements and current MC uncertainties
- ▶ HEPData, Rivet and correlated uncertainties:
  - ▶ is it realistic to get the documentation ready in one month?
  - ▶ does Louie need help for that?
- ▶ Benchmark comparison
  - ▶ Sherpa benchmark comparison - TODAY
  - ▶ Herwig benchmark comparison - aim for July meeting
  - ▶ we should contact the conveners for the urgently missing routines
- ▶ Jet substructure
  - ▶ ?

# Today's agenda

## LHC-EW WG: Jets and EW bosons



Tuesday 28 May 2019, 15:00 → 17:10 Europe/Zurich

CERN

Videoconference  
Rooms

LHC-EW\_WG\_\_Jets\_and\_EW\_bosons

Join

15:00 → 15:10 **Intro**

10m

15:10 → 15:30 **General discussion on MC uncertainty**

20m

Speaker: Hannes Jung (Deutsches Elektronen-Synchrotron (DE))

MCuncertainties.pdf

15:30 → 15:50 **Benchmark comparison with Sherpa**

20m

Speakers: Enrico Bothmann (University of Göttingen), Enrico Bothmann