

Introduction and News

LHC-EW: Jets & bosons working group meeting



**UNIVERSITÀ
DEGLI STUDI
DI TRIESTE**



Istituto Nazionale di Fisica Nucleare

Vieri Candelise (on behalf of the LHC-EW WG Jets & EW bosons conveners)

24/05/2021

News from the group

Welcome Armando!!

Armando Bermudez Ramirez (DESY) will be the next LHC-EW Jets and Bosons convener for CMS.

He will join us officially from September but he's starting with the "overlap" period from today joining Mikko and myself.

News from the group

- “CMS Month” of the LHC-EW Jets and boson WG (in the new experiment-rotating fashion) - today + next Monday
- Two report updates + Two theory invited talks
- *Leitmotiv* of these sessions is the updates from the **benchmark comparisons** project with jets and v+jets final states
- We need to speed up and make a structured and understood set of results for the **yellow-paper**
- Need to have all the relevant information from the exp analyzers: HEP-data records, uncertainties to perform chi2 with the tool provided by Louie Corpe [<https://gitlab.cern.ch/lhcewkwg/lhcewkwg-vjets/correlations-library/-/blob/master/README.md>], RIVET routines!
- With the invited speakers from the theory side we will explore the latest efforts on V+Jets for future developments

List of our ongoing activities

Ongoing Activities towards the “Yellow Report”

Benchmark Comparisons: huge work from Hannes and his group to prepare a common tool to perform benchmark comparisons: run matrix element + shower with RIVET

try it!

<https://gitlab.cern.ch/lhcewkwg/lhcewkwg-vjets/benchmark-comparisons>

instructions:

/afs/cern.ch/user/j/jung/work/public/benchmark

We should show substantial improvements at the next LHCEW general meeting (early October?)

contact us to if you want to join this effort!

Today's Agenda

LHC-EW WG: Jets and EW bosons



Monday 24 May 2021, 16:30 → 18:00 Europe/Zurich

Description We will use ZOOM for the meeting:

<https://cern.zoom.us/j/98001221614?pwd=VGxhSExlZEMrMUtYMUhRZ3JXOUhCUT09>

Meeting ID: 980 0122 1614 (passcode 959106)

16:30 → 16:40 **News & Introduction**

🕒 10m



Speakers: Mikko Voutilainen (Helsinki Institute of Physics (FI)), Vieri Candelise (Universita e INFN Trieste (IT))

16:40 → 17:10 **Benchmark Comparisons Update**

🕒 30m



Speakers: Andrius Juodagalvis (Vilnius University (LT)), Marijus Ambrozas (Vilnius University (LT))

17:10 → 17:50 **Jet Angularities in Z+jet production at the LHC**

🕒 40m



Speaker: Simone Caletti (INFN - National Institute for Nuclear Physics)