



# XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects

## Tuesday, 13 April 2021

### Electroweak Physics and Beyond the Standard Model: Parallel Sessions 1 - Virtual (09:25 - 11:35)

-Conveners: Aram Apyan

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 09:25 | [642] Measurements and searches of Higgs boson production involving fermion couplings with the ATLAS detector | HIROSE, Shigeki     |
| 09:43 | [399] Measurement of CP structure in Higgs boson decays to a pair of tau leptons at CMS                       | MB, VINAYA KRISHNAN |
| 10:01 | [420] Indirect CP probes of the Higgs-top-quark interaction: current LHC constraints and future opportunities | BAHL, Henning       |
| 10:19 | [640] Measurement of the Higgs boson in decays to bosons using the ATLAS detector                             | Mr DU, Dongshuo     |
| 10:37 | [400] Recent H->WW results using CMS data   | LIZZO, Mattia       |
| 10:55 | [514] Resummation for tqH production  | FORSLUND, Matthew   |
| 11:13 | [647] Combined Higgs boson measurements at the ATLAS experiment   | CIUNGU, Bianca      |

### Electroweak Physics and Beyond the Standard Model: Parallel Sessions 2 - Virtual (12:00 - 13:55)

-Conveners: Nansi Andari

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 12:00 | [639] Measurements of the W branching fractions in ttbar production with the ATLAS experiment at the LHC  | BORISSOV, Guennadi   |
| 12:18 | [408] Differential measurement of the Z/photon cross section and collinear Z emission   | ZECCHINELLI, Giacomo |
| 12:36 | [622] Drell-Yan pT with NLO-matched Parton Branching TMDs at energies from fixed-target to LHC  | LELEK, Aleksandra    |
| 12:54 | [664] Measurements of W and Z boson production at ATLAS   | WU, Zhibo            |
| 13:12 | [730] Measurement of W and Z boson production in association with jets at ATLAS   | SFORZA, Federico     |
| 13:30 | [628] Complementarity of Lepton-Charge and Forward-Backward Drell-Yan Asymmetries for Precision Electroweak Measurements and Quark Density Determinations | FIASCHI, Juri        |

# Wednesday, 14 April 2021

## Electroweak Physics and Beyond the Standard Model: Parallel Sessions 3 - Virtual (08:00 - 09:45)

-Conveners: Sonny Mantry

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 08:00 | [449] Event-Based Jet Vetoes: A new prospect for multi-lepton searches at the LHC | RUIZ, Richard     |
| 08:18 | [649] Searches for Higgs-like or diboson resonances with the ATLAS detector       | CARTER, Joseph    |
| 08:36 | [423] Search for lepton flavor violation in B and tau decays at Belle             | RÖHRKEN, Markus   |
| 08:54 | [726] Charged Lepton Flavor Violation at the EIC                                  | YAN, Bin          |
| 09:12 | [657] Searching for leptoquarks with the ATLAS detector                           | KAZAKOS, Stergios |

## Electroweak Physics and Beyond the Standard Model: Parallel Sessions 3 - Virtual (10:00 - 11:45)

-Conveners: Nansi Andari

| time  | [id] title  | presenter           |
|-------|---|---------------------|
| 10:00 | [571] $tW$ and $tZ'$ production at hadron colliders   | KIDONAKIS, Nikolaos |
| 10:18 | [638] Measurements of the top quark electro-weak couplings with the ATLAS experiment at the LHC | BOUDREAU, Joseph    |
| 10:36 | [440] Mu2e DAQ and slow control systems   | GIOIOSA, Antonio    |
| 10:54 | [594] The Photon PDF within the CT18 global analysis  | XIE, Keping         |
| 11:12 | [731] PineAPPL: NLO EW corrections for PDF processes  | SCHWAN, Christopher |

## Electroweak Physics and Beyond the Standard Model: Parallel Sessions 4 - Virtual (12:15 - 14:00)

-Conveners: Aram Apyan

| time  | [id] title  | presenter                  |
|-------|---|----------------------------|
| 12:15 | [648] Searches for Dark Matter produced in association with a Higgs boson and invisible decays of the observed Higgs boson using the ATLAS detector | LEOPOLD, Alexander         |
| 12:33 | [656] Dark Matter searches with the ATLAS Detector  | FRATTARI, Guglielmo        |
| 12:51 | [604] Searches for invisible scalar decays at CLIC  | MEKALA, Krzysztof          |
| 13:09 | [598] Dark matter searches with mono-photon signature at future $e^+e^-$ colliders  | ZARNECKI, Aleksander Filip |
| 13:27 | [602] Pair production of charged IDM scalars at high energy CLIC  | KLAMKA, Jan                |

# Thursday, 15 April 2021

## Electroweak Physics and Beyond the Standard Model: Parallel Sessions 5 - Virtual (08:00 - 09:45)

-Conveners: Sonny Mantry

| time  | [id] title   | presenter                  |
|-------|--|----------------------------|
| 08:00 | [402] Diboson cross section measurements at 5 TeV in CMS                                   | TRAPOTE FERNÁNDEZ, Andrea  |
| 08:18 | [637] Measurements of multi-boson production at ATLAS                                      | VOZAK, Matous              |
| 08:36 | [404] WW boson pair production at 13 TeV using CMS data                                    | FERNÁNDEZ MANTECA, Pedro   |
| 08:54 | [577] Searches for quartic anomalous coupling at the LHC with intact protons               | ROYON, Christophe          |
| 09:12 | [635] Recent observation and measurements of vector-boson fusion and scattering with ATLAS | GOBLIRSCH-KOLB, Maximilian |

## Electroweak Physics and Beyond the Standard Model: Parallel Sessions 5 - Virtual (10:00 - 11:45)

-Conveners: Aram Apyan

| time  | [id] title   | presenter               |
|-------|--|-------------------------|
| 10:00 | [722] Vector Boson Scattering to $\alpha_W^2 \alpha_s^{n+2} \log^n(s/t)$                     | Dr DUCLOUE, Bertrand    |
| 10:18 | [478] Vector Boson Scattering results from CMS   | AN, Ying                |
| 10:36 | [519] The sensitivity to BSM in di-taon production at the LHC                                | KLUSEK-GAWENDA, Mariola |
| 10:54 | [411] Searches for new physics in lepton and missing transverse momentum final states in CMS | BACHILLER, Irene        |
| 11:12 | [653] Searches for supersymmetry with the ATLAS detector                                     | SHARMA, Abhishek        |

## Electroweak Physics and Beyond the Standard Model - Virtual (12:15 - 14:00)

-Conveners: Nansi Andari

| time  | [id] title  | presenter        |
|-------|---|------------------|
| 12:15 | [382] Higgs pair production at NNNLO                                | LI, Haitao       |
| 12:33 | [651] Search for di-Higgs production at the ATLAS experiment        | D'ERAMO, Louis   |
| 12:51 | [522] Top physics at the LHeC and the FCC-eh                        | KUMAR, Mukesh    |
| 13:09 | [529] Higgs physics at the LHeC and the FCC-eh                      | KLEIN, Uta       |
| 13:27 | [692] Precision electroweak measurements at the LHeC and the FCC-eh | BRITZGER, Daniel |