



# ICHEP 2014

## Thursday 03 July 2014

### Top-quark and ElectroWeak Physics: Top pair production - Sala 3+4 (11:00-12:30)

-Conveners: Roberto Chierici; Maria Jose Costa

| time  | [id] title   | presenter                      |
|-------|--|--------------------------------|
| 11:00 | [422] Top-quark pair production at hadron colliders: differential cross section and phenomenological applications with DiffTop | Dr. GUZZI, Marco               |
| 11:15 | [557] Top quark pair production cross section using the ATLAS detector at the LHC  | Mr. THEVENEUX-PELZER, Timothée |
| 11:30 | [552] Simultaneous measurements of $t\bar{t}$ , WW and $Z \rightarrow \tau\tau$ productions with the ATLAS detector            | Dr. LIMOSANI, Antonio          |
| 11:45 | [1010] Measurements of the top quark pair production cross section in pp collisions with CMS                                   | BAENI, Lukas                   |
| 12:00 | [558] Study of additional radiation in top pair events using the ATLAS detector at the LHC                                     | BENJAMIN, Douglas              |
| 12:15 | [163] Measurement of differential cross sections in top pair production in pp collisions with CMS                              | Mr. ASIN CRUZ, Ivan            |

### Top-quark and ElectroWeak Physics: Single top production - Sala 3+4 (12:30-13:30)

-Conveners: Roberto Chierici; Maria Jose Costa

| time  | [id] title  | presenter                       |
|-------|---|---------------------------------|
| 12:30 | [993] Single top quark production at CDF  | Dr. LEONE, Sandra               |
| 12:50 | [829] Measurement of the single top quark production cross section with the D0 detector | Prof. SCHWANENBERGER, Christian |
| 13:10 | [1000] Measurement of single top quark production in pp collisions at CMS               | Mr. MEROLA, Mario               |

### Top-quark and ElectroWeak Physics: Single top production - Sala 3+4 (15:00-15:35)

-Conveners: Maria Jose Costa; Jessie Shelton

| time  | [id] title  | presenter                |
|-------|---|--------------------------|
| 15:00 | [559] Single Top quark production cross section using the ATLAS detector at the LHC | Dr. HIRSCHBUEHL, Dominic |
| 15:20 | [170] Measurement of top quark properties in single top production at CMS           | Dr. YAZGAN, Efe          |

### Top-quark and ElectroWeak Physics: Top properties - Sala 3+4 (15:35-17:30)

-Conveners: Maria Jose Costa; Jessie Shelton

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 15:35 | [999] Top quark pair production and top quark properties at CDF | Dr. MOON, Chang-Seong |

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|-------|--|--------------------------------------|
| 15:55 | [1001] Top quark pair production and top quark properties at D0  | Prof. DEMINA, Regina                 |
| 16:15 | [1002] Measurement of top quark properties using the ATLAS detector at the LHC                                 | Dr. HEAD, Simon                      |
| 16:35 | [1003] Measurements of top quark properties in top pair production and decay at the LHC using the CMS detector | Dr. JINDARIANI, Sergo                |
| 16:55 | [1037] Constraining top-Z couplings through $t\bar{t}b+Z$ production at the LHC                                | Dr. RONTSCH, Raoul                   |
| 17:10 | [197] Search for Top Quark Flavor-Changing Neutral Currents at CMS   | Dr. MOHAMMADI<br>NAJAFABADI, Mojtaba |

# Friday 04 July 2014

## Top-quark and ElectroWeak Physics: Top mass (11:30-13:50)

-Conveners: Roberto Chierici; Shinya Kanemura

| time  | [id] title  | presenter                |
|-------|---|--------------------------|
| 11:30 | [64] New Results and Combination of the Top-Quark Mass at CDF   | LEWIS, Jonathan          |
| 11:45 | [832] Measurement of the top quark mass with the D0 detector  | BRANDT, Oleg             |
| 12:00 | [990] Top mass measurements using the ATLAS detector at the LHC   | Mr. YAU WONG, Kaven      |
| 12:20 | [1009] CMS Measurements of the top quark mass, including alternative techniques and differential measurements   | Dr. WALLNY, Rainer       |
| 12:40 | [496] New method for precise determination of top quark mass at LHC   | Ms. KAWABATA, Sayaka     |
| 12:55 | [663] Combined Top Quark Physics Results from ATLAS and CMS   | Dr. ALDAYA MARTIN, Maria |
| 13:10 | [1025] Measurement of the charged and neutral current DY process, forward-backward asymmetry and the determination of the weak mixing angle with the ATLAS detector | KLEIN, Uta               |

## Top-quark and ElectroWeak Physics: Single boson - Sala 1 (15:00-17:30)

-Conveners: Shinya Kanemura; Maria Jose Costa

| time  | [id] title  | presenter                                     |
|-------|---|---|
| 15:00 | [385] Elastic Z0 production at HERA   | Dr. STANCO, Luca                              |
| 15:15 | [551] Measurements of the 7 and 8 TeV cross sections for Z->4l in pp collisions with the ATLAS detector   | Dr. WU, Yusheng                               |
| 15:30 | [1005] Study of the W/Z differential distributions and properties of the W and Z production from CMS  | Dr. TAN, Ping                                 |
| 15:50 | [201] Measurement of the muon charge asymmetry in inclusive W production at sqrt(s)=7 TeV at CMS and an improved determination of light parton distribution functions | Mr. GHOSH, Saranya                            |
| 16:05 | [511] Electroweak corrections to Z+2jets production at the LHC  | Dr. HOFER, Lars                               |
| 16:20 | [553] Measurement of the electroweak production cross section of vector bosons associated with dijets with the ATLAS detector   | Prof. DE SANTO, Antonella<br>Dr. NURSE, Emily |
| 16:35 | [183] Electroweak production and hadronic activity in events with a Z and forward/backward jets with CMS  | Dr. AZZURRI, Paolo                            |
| 16:50 | [454] Electroweak physics at LHCb   | Dr. FARRY, Stephen                            |
| 17:10 | [1007] Measurements of the W charge asymmetry, the weak mixing angle and Z phi* in pp(bar) collisions with the D0 detector  | Mr. YANG, Siqi                                |

## Saturday 05 July 2014

### Top-quark and ElectroWeak Physics: Single boson - Sala 8+9 (09:00-09:35)

-Conveners: Jessie Shelton; Roberto Chierici

| time  | [id] title  | presenter         |
|-------|---|-------------------|
| 09:00 | [909] A measurement of the electro-weak mixing angle and an indirect measurement of the W mass at CDF | Prof. BODEK, Arie |
| 09:20 | [838] Measurement of the W boson mass with the D0 detector  | Dr. LI, Hengne    |

### Top-quark and ElectroWeak Physics: Multi-boson - Sala 8+9 (09:35-11:00)

-Conveners: Jessie Shelton; Roberto Chierici

| time  | [id] title  | presenter                 |
|-------|---|---------------------------|
| 09:35 | [555] Measurement of WW production with the ATLAS detector  | Dr. LOHWASSER, Kristin    |
| 09:50 | [554] Measurement of the electroweak production cross section of same-sign WW bosons associated with dijets with the ATLAS detector | Mr. GUMPERT, Christian    |
| 10:05 | [1006] Double-boson and triple-boson production from CMS and limits on aTGC and QGC   | Mr. DUDERO, Phillip R.    |
| 10:25 | [200] Measurement of VZ production cross sections in VZ to Vbbbar decay channels in pp collisions at 8 TeV from CMS                 | Mr. ELLER, Philipp David  |
| 10:40 | [606] NLO QCD corrections to VVjj production at the LHC   | Dr. CAMPANARIO, Francisco |

### Top-quark and ElectroWeak Physics: Multi-boson and tau - Sala 1 (15:00-15:45)

-Conveners: Jessie Shelton; Shinya Kanemura

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 15:00 | [556] Measurement of multi-boson production and anomalous gauge boson couplings with the ATLAS detector     | Prof. PETRIDOU, Chara |
| 15:15 | [938] Measurement of the differential W+W- production cross section with jets at in ppbar collisions at CDF | Mr. PARKER, Will      |
| 15:30 | [419] Measurements of electroweak properties of $\tau$ lepton at the Belle experiment                       | Dr. HAYASHII, Hisaki  |

### Top-quark and ElectroWeak Physics: Perspectives and future - Sala 1 (15:45-17:35)

-Conveners: Jessie Shelton; Shinya Kanemura

| time  | [id] title   | presenter            |
|-------|--|----------------------|
| 15:45 | [764] Update of the electroweak precision fit and model-independent constraints on new physics | Dr. MISHIMA, Satoshi |
| 16:00 | [1008] Measurement of the top quark mass and couplings at Linear Colliders                     | Mr. GARCIA, Nacho    |
| 16:20 | [814] Measurement of the Charged Triple Gauge Boson Couplings at the ILC                       | ROSCA, Aura          |
| 16:35 | [847] Precision Electroweak measurements at FCC-ee   | TENCHINI, Roberto    |

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|-------|---|-------------------------------|
| 16:50 | [923] Two-Loop Effects in Low-Energy Electroweak Measurements                       | Dr. ALEKSEJEVS,<br>Aleksandrs |
| 17:05 | [883] New Physics Search with Precision Experiments: Theory Input                   | Dr. BARKANOVA, Svetlana       |
| 17:20 | [312] P-odd and T-odd asymmetries in W-jet production and top-quark decay processes | Dr. YOKOYA, Hiroshi           |