



# 11th International Workshop on Top Quark Physics (TOP2018)

## Monday, 17 September 2018

### Plenary session: Introduction and keynote (09:00 - 10:30)

-Conveners: Wolfgang Wagner

| time  | [id] title  | presenter            |
|-------|---|----------------------|
| 09:00 | [5] Introduction by LOC                               | WAGNER, Wolfgang     |
| 09:05 | [6] Welcome by the International Advisory Committee   | ONOFRE, Antonio      |
| 09:10 | [8] Keynote address                                   | GROJEAN, Christophe  |
| 10:00 | [51] Performance and top quarks as a calibration tool | SANCHEZ CRUZ, Sergio |

### Plenary session: Top-quark pair production (11:00 - 12:30)

-Conveners: Kevin Alexander Kroeninger; Michal Wiktor Czakon

| time  | [id] title  | presenter          |
|-------|---|--------------------|
| 11:00 | [26] Resummation for (boosted) top-quark pair production at NNLO+NNLL' in QCD | YANG, Li Lin       |
| 11:30 | [27] Inclusive cross-section measurements (ATLAS+CMS)                         | DEFRANCHIS, Matteo |
| 12:00 | [28] Comparative overview of differential measurements at ATLAS and CMS       | FABBRI, Federica   |

### Plenary session: Differential measurements (14:00 - 16:00)

-Conveners: Malgorzata Maria Worek; Maria Aldaya Martin

| time  | [id] title  | presenter                  |
|-------|---|----------------------------|
| 14:00 | [29] Multi-jet merged top-pair production including electroweak corrections versus NNLO | PAGANI, Davide             |
| 14:30 | [30] NNLO QCD top quark pair production and decay                                       | PONCELET, Rene             |
| 15:00 | [31] Differential measurements at CMS   | Dr KOUSOURIS, Konstantinos |
| 15:30 | [32] Differential measurements at ATLAS   | NEGRINI, Matteo            |

### Plenary session: Modeling and tuning (16:30 - 18:00)

-Conveners: Andrea Helen Knue; Rikkert Frederix

| time  | [id] title   | presenter           |
|-------|--|---------------------|
| 16:30 | [33] Modeling and tuning in top quark physics: Comparison of various MC programs | SCHOENHERR, Marek   |
| 17:00 | [34] Modeling / tuning at ATLAS  | MONK, James William |
| 17:30 | [35] Modeling / tuning at CMS  | CLEMENT, Emyr       |

## Tuesday, 18 September 2018

### Plenary session: Single top quark (09:00 - 10:30)

-Conveners: Dominic Hirschebuehl

| time  | [id] title   | presenter           |
|-------|--|---------------------|
| 09:00 | [9] Accurate predictions for t-channel single top-quark production | FREDERIX, Rikkert   |
| 09:30 | [10] Single top production in standard modes (ATLAS + CMS)         | MOLES VALLS, Regina |
| 10:00 | [11] Rare single top production processes (ATLAS+CMS)              | ANDREA, Jeremy      |

### Plenary session: Top-quark properties (including mass) (11:00 - 12:30)

-Conveners: Alexander Josef Grohsjean

| time  | [id] title   | presenter         |
|-------|--|-------------------|
| 11:00 | [12] Top quark mass (experiment)                                 | TOKAR, Stano      |
| 11:30 | [13] Top quark mass: theoretical aspects                         | HOANG, Andre      |
| 12:00 | [52] Top-quark properties (not EFT, not single-top, not ttbar+X) | VAN MULDER, Petra |

### Plenary session: Top-antitop + X (14:00 - 16:00)

-Conveners: Ivor Fleck; Katerina Lipka

| time  | [id] title   | presenter         |
|-------|--|-------------------|
| 14:00 | [22] Large NLO corrections to ttW and tttt from subleading contributions | ZARO, Marco       |
| 14:30 | [23] tTbar + bBbar (ATLAS+CMS)   | KHANOV, Alexander |
| 15:00 | [24] tTbar + Z, W, ttbar, gamma at CMS                                   | NOONAN, Daniel    |
| 15:30 | [25] tTbar + Z, W, ttbar at ATLAS  | NELLIST, Clara    |

### Plenary session: Complementary top quark production (16:30 - 17:25)

-Conveners: Wolfgang Wagner

| time  | [id] title  | presenter    |
|-------|---|--------------|
| 16:30 | [20] Top quarks in the forward region               | MEAD, James  |
| 17:00 | [98] Renormalons and the top-quark mass measurement | NASON, Paolo |

# Wednesday, 19 September 2018

## Plenary session: Top quarks, supersymmetry and direct searches (09:00 - 10:30)

-Conveners: Roberto Franceschini; Roberto Tenchini

| time  | [id] title  | presenter      |
|-------|---|----------------|
| 09:00 | [53] SUSY and naturalness searches involving tops | SHIH, David    |
| 09:30 | [54] Top quarks and SUSY (ATLAS and CMS)          | GONZALEZ, Juan |
| 10:00 | [55] Top quarks and exotics (ATLAS and CMS)       | SERKIN, Leonid |

## Plenary session: FCNC and EFT (indirect searches) (11:00 - 12:30)

-Conveners: Efe Yazgan

| time  | [id] title   | presenter                      |
|-------|--|--------------------------------|
| 11:00 | [56] Citius, altius, fortius - top precision physics at the frontier   | AGUILAR SAAVEDRA, Juan Antonio |
| 11:30 | [57] FCNC, anomalous couplings, EFT (excluding Higgs) at ATLAS and CMS | SMITH, Geoffrey Nathan         |
| 12:00 | [58] Joker Talk ATLAS  | MORENO LLACER, Maria           |
| 12:15 | [64] Joker Talk CMS  | DEFRANCHIS, Matteo             |

# Thursday, 20 September 2018

## Plenary session: Top quarks and Higgs boson (Experiment) (14:00 - 16:30)

-Conveners: Jorgen D'Hondt; Ian Brock

| time  | [id] title  | presenter             |
|-------|---|-----------------------|
| 14:00 | [59] tqH FCNC in production and decay (ATLAS and CMS) | FINELLI, Kevin        |
| 14:30 | [60] tTbar + H at ATLAS                               | HUBAUT, Fabrice       |
| 15:00 | [61] tTbar + H at CMS                                 | SKOVPEN, Kirill       |
| 15:30 | [62] Higgs (general) at CMS                           | LANNON, Kevin Patrick |
| 16:00 | [63] Higgs (general) at ATLAS                         | YAO, Wei-Ming         |

# Friday, 21 September 2018

## Plenary session: Perspective and future colliders (09:00 - 10:30)

-Conveners: Markus Cristinziani

| time  | [id] title  | presenter      |
|-------|---|----------------|
| 09:00 | [15] Top quarks in Run 3                            | KIESELER, Jan  |
| 09:30 | [14] Top quarks at the High Luminosity LHC          | NASON, Paolo   |
| 10:00 | [16] Top quarks at next-generation lepton colliders | BLEKMAN, Freya |

## Plenary session: Workshop summaries (11:00 - 12:30)

-Conveners: Martin Erdmann

| time  | [id] title                    | presenter         |
|-------|-------------------------------|-------------------|
| 11:00 | [17] Experimental summary     | OWEN, Mark Andrew |
| 11:40 | [18] Theory summary           | PLEHN, Tilman     |
| 12:20 | [19] Announcement of TOP 2019 | LOC CHAIR 2019    |