



# 12th International Workshop on Top Quark Physics (TOP2019)

## Monday, September 23, 2019

### Plenary session (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[1] Introduction by LOC	LIAO, Hongbo
9:05 AM	[2] Welcome by the International Advisory Committee	WAGNER, Wolfgang
9:10 AM	[31] Keynote address	WANG, Liantao
9:50 AM	[35] Overview of ATLAS results from last year: detector performance and physics highlights	WIGLESWORTH, Craig

### Plenary session (11:00 AM - 1:00 PM)

time	[id] title	presenter
11:00 AM	[3] Overview of CMS results from last year: detector performance and physics highlights	HU, Zhen
11:40 AM	[4] Inclusive $t\bar{t}$ + single top cross-section measurements	ESCOBAR IBAÑEZ, Carlos
12:05 PM	[36] High precision theoretical predictions for on-shell top anti-top pair production at the LHC	MAZZITELLI, Javier
12:35 PM	[52] High precision theoretical predictions for top anti-top pair production in di-lepton channel	MITOV, Alexander

### Plenary session (2:00 PM - 4:30 PM)

time	[id] title	presenter
2:00 PM	[6] Top-quark mass measurements	CASTRO, Andrea
2:40 PM	[37] Top quark mass at the LHC	Prof. CZAKON, Michal Wiktor
3:20 PM	[7] Top properties and anomalous couplings	GOLDOUZIAN, Reza
4:00 PM	[38] FCNC in production and decay	CASTRO, Nuno

# Tuesday, September 24, 2019

## Plenary session (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[10] Modeling and tuning (ttbar) in ATLAS and CMS	MACKAY, Catherine
9:30 AM	[12] Differential measurements of tTbar production	BOISVERT, Veronique
10:00 AM	[39] Parton shower and matching uncertainties in ttbar production with Herwig7	REUSCHLE, Christian

## Plenary session (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[11] Modeling and tuning (single top + rare top processes)	BERLENDIS, Simon
11:30 AM	[13] Differential measurements of single top production	SANCHEZ CRUZ, Sergio
12:00 PM	[40] High precision theoretical predictions for single top production at the LHC	LIU, Zelong

## Plenary session (2:00 PM - 3:30 PM)

time	[id] title	presenter
2:00 PM	[14] Inclusive and differential tTbar + bBbar	BROCHERO, Javier
2:30 PM	[15] tTbar + H and tH	VAZQUEZ SCHROEDER, Tamara
3:00 PM	[41] NLO QCD + EW theoretical predictions for ttH production at the LHC	PELLEN, Mathieu

## Plenary session (4:00 PM - 5:50 PM)

time	[id] title	presenter
4:00 PM	[8] Rare single-top production modes	CHOI, Su Yong
4:30 PM	[42] Modelling and uncertainties for ttbb production as background to ttH(bb)	SIEGERT, Frank
5:00 PM	[62] Exotic decays of top partners: mind the search gap	Dr ZHANG, mengchao
5:30 PM	[34] Announcement of TOP 2020	MITOV, Alexander
5:40 PM	[63] Announcement of TOP 2021	SCHWIENHORST, Reinhard

# Thursday, September 26, 2019

**Plenary session (2:00 PM - 3:10 PM)**

time	[id] title	presenter
2:00 PM	[22] Top quarks and SUSY	MAJEWSKI, Stephanie
2:30 PM	[23] Searches for vector-like top quarks and leptoquarks decaying to top quarks	NIKIFOROU, Nikiforos

**Plenary session (3:40 PM - 4:50 PM)**

time	[id] title	presenter
3:40 PM	[25] Top-quarks and dark matter in ATLAS and CMS	SCHWANENBERGER, Christian
4:10 PM	[24] Searches for $t\bar{t}b$ and $t\bar{t}b$ resonances in ATLAS and CMS	Mr CHATTERJEE, Suman

# Friday, September 27, 2019

## Plenary session (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[26] Inclusive and differential $t\bar{t}$ + $\gamma$ (EFT)	LI, Yichen
9:30 AM	[27] Inclusive and differential $t\bar{t}$ + Z, W (EFT)	YUMICEVA, Francisco
10:00 AM	[43] $t\bar{t}$ + V production with V = Z, $\gamma$ , W also in the context of SMEFT	MIMASU, Ken

## Plenary session (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[28] Search for 4-top production (+ EFT)	QIN, Yang
11:40 AM	[44] Recent theoretical studies of 4 top production, and BSM implications	CAO, qinghong
12:10 PM	[45] Triple Top-Quark Production at the LHC	LIU, Yandong

## Plenary session (2:00 PM - 3:30 PM)

time	[id] title	presenter
2:00 PM	[29] Top quarks at the HL-LHC	TA, Duc Bao
2:40 PM	[32] Top quarks at next-generation lepton colliders	DURIEUX, Gauthier

## Plenary session (4:00 PM - 5:30 PM)

time	[id] title	presenter
4:00 PM	[30] Experimental summary	JUNG, Andreas
4:40 PM	[33] Theory summary	REINA, Laura