

CMS EFT workshop at the LPC

Report of Contributions

Contribution ID: 1

Type: **not specified**

Logistics

Tuesday, 5 September 2023 09:05 (5 minutes)

Presenter: SMITH, Nicholas

Session Classification: Morning session

Contribution ID: 2

Type: **not specified**

Top multi-lepton

Tuesday, 5 September 2023 11:20 (25 minutes)

Presenter: YATES, Brent (The Ohio State University)

Session Classification: Morning session

Contribution ID: 4

Type: **not specified**

Multi-boson overview

Tuesday, 5 September 2023 09:25 (25 minutes)

Presenter: ZOI, Irene

Session Classification: Morning session

Contribution ID: 6

Type: **not specified**

Higgs EFT overview

Tuesday, 5 September 2023 10:00 (25 minutes)

Presenter: SARICA, Ulascan (University of California, Santa Barbara)

Session Classification: Morning session

Contribution ID: 8

Type: **not specified**

Dimension-8 operators

Tuesday, 5 September 2023 13:30 (25 minutes)

Presenters: DAWSON, Sally (BNL); DAWSON, Sally (Brookhaven National Laboratoy)

Session Classification: Afternoon session

Contribution ID: **10**

Type: **not specified**

Opportunistic CP violation

Tuesday, 5 September 2023 14:05 (25 minutes)

Presenter: RUDERMAN, Joshua (New York University)

Session Classification: Afternoon session

Contribution ID: 13

Type: **not specified**

Precision SMEFT with geoSMEFT

Tuesday, 5 September 2023 15:10 (25 minutes)

Presenter: MARTIN, Adam (University of Notre Dame)

Session Classification: Afternoon session

Contribution ID: **15**

Type: **not specified**

VVV results

Tuesday, 5 September 2023 09:10 (10 minutes)

Presenter: MIAO, Yulun

Session Classification: Morning session

Contribution ID: **16**

Type: **not specified**

HVV interactions

Tuesday, 5 September 2023 11:05 (10 minutes)

Presenter: DAVIS, Jeffrey (Johns Hopkins)

Session Classification: Morning session

Contribution ID: 17

Type: **not specified**

Towards TOP EFT combination

Tuesday, 5 September 2023 11:55 (10 minutes)

Challenges and lessons learned so far

Presenter: BASNET, Aashwin (Ohio State University)

Session Classification: Morning session

Contribution ID: **18**

Type: **not specified**

Flavor

Tuesday, 5 September 2023 15:45 (25 minutes)

Presenter: BIGARAN, Innes (Fermilab and Northwestern University)

Session Classification: Afternoon session

Contribution ID: **19**

Type: **not specified**

Unofficial dinner - Two Brothers Roundhouse

Tuesday, 5 September 2023 18:00 (1h 30m)

205 N Broadway, Aurora, IL 60505

Presenter: SMITH, Nicholas

Contribution ID: 20

Type: **not specified**

Benchmarks for ML EFT discussion

Wednesday, 6 September 2023 09:00 (30 minutes)

Presenter: SCHOFBECK, Robert (HEPHY Vienna)

Session Classification: Discussion

Contribution ID: **21**

Type: **not specified**

Future of this workshop series

Wednesday, 6 September 2023 09:30 (10 minutes)

Presenter: ALL

Session Classification: Discussion

Contribution ID: 22

Type: **not specified**

SMEFTsim / SMEFT@NLO to gridpack

Wednesday, 6 September 2023 10:15 (1 hour)

Session Classification: Hands-on tutorials

Contribution ID: 23

Type: **not specified**

Gridpack to Delphes / NanoGEN

Wednesday, 6 September 2023 11:15 (45 minutes)

Session Classification: Hands-on tutorials

Contribution ID: 24

Type: **not specified**

Event data to EFT-aware histograms

Wednesday, 6 September 2023 13:30 (45 minutes)

Presenter: MOHRMAN, Kelci (University of Florida)

Session Classification: Hands-on tutorials

Contribution ID: 25

Type: **not specified**

Scaling equations to physics model

Wednesday, 6 September 2023 14:45 (30 minutes)

Session Classification: Hands-on tutorials

Contribution ID: 26

Type: **not specified**

Morphing-aware histograms to RooFit model

Wednesday, 6 September 2023 15:45 (45 minutes)

Session Classification: Hands-on tutorials

Contribution ID: 27

Type: **not specified**

PCA

Wednesday, 6 September 2023 16:30 (30 minutes)

Session Classification: Hands-on tutorials

Contribution ID: **28**

Type: **not specified**

Optional reception - Solemn Oath

Monday, 4 September 2023 18:00 (1h 30m)

1661 Quincy Ave #179, Naperville, IL 60540

Presenter: WILSON, Jonathan (Baylor University)

Contribution ID: **29**

Type: **not specified**

Registration

Tuesday, 5 September 2023 07:30 (1h 30m)

Contribution ID: **30**

Type: **not specified**

Welcome from Associate Lab Director Kevin Burkett

Tuesday, 5 September 2023 09:00 (5 minutes)

Presenter: BURKETT, Kevin (Fermilab)

Session Classification: Morning session

Contribution ID: **31**

Type: **not specified**

Conclusions

Wednesday, 6 September 2023 09:40 (5 minutes)

Presenter: SMITH, Nicholas

Session Classification: Discussion