

**LHCPHENO 2024: Workshop
on High-Energy Physics
Phenomenology in the LHC
era**

Report of Contributions

Contribution ID : 1

Type : **not specified**

Precise theoretical predictions at colliders

Wednesday, 19 June 2024 09:30 (30)

Presenter(s) : CIERI, Leandro Javier (Universidad de Valencia - IFIC)

Session Classification : S1

Contribution ID : 2

Type : **not specified**

QCD-QED resummation for Drell-Yan process using DYTURBO

Wednesday, 19 June 2024 10:00 (30)

Presenter(s) : AUTIERI, Andrea (IFIC UV-CSIC)

Session Classification : S1

Contribution ID : 3

Type : **not specified**

On a pseudoscalar lighter than the SM Higgs: a global analysis of the A2HDM

Wednesday, 19 June 2024 10:30 (30)

Presenter(s) : COUTINHO, Antonio (IFIC, U. Valencia - CSIC)

Session Classification : S1

Contribution ID : 4

Type : **not specified**

Bounds on Heavy Sterile Neutrino from the angular analysis of $B \rightarrow D^* \ell \nu$ decays

Wednesday, 19 June 2024 11:30 (30)

Presenter(s) : FEDELE, Marco

Session Classification : S1

Contribution ID : 5

Type : **not specified**

Finite Renormalization of Four-Fermion Operators in SMEFT

Wednesday, 19 June 2024 12:00 (30)

Presenter(s) : FERRANDO SOLERA, Sergio (IFIC)

Session Classification : S1

Contribution ID : 6

Type : **not specified**

Full top-quark mass dependence in diphoton production at NNLO in QCD

Wednesday, 19 June 2024 12:30 (30)

Presenter(s) : CORO, Federico (IFIC)

Session Classification : S1

Contribution ID : 7

Type : **not specified**

Asymptoticity of QCD. A large- b_0 framework for resummation and renormalon study

Wednesday, 19 June 2024 14:30 (30)

Presenter(s) : GONZÁLEZ GRACIA, Néstor (IFIC, Universitat de València)

Session Classification : S2

Contribution ID : 8

Type : **not specified**

Using analytic models to describe effective PDFs

Wednesday, 19 June 2024 15:00 (30)

Presenter(s) : HERNANDEZ-PINTO, Roger (IFIC-Valencia)

Session Classification : S2

Contribution ID : 9

Type : **not specified**

Status of Aligned Two Higgs Doublet Model with heavy scalars

Wednesday, 19 June 2024 15:30 (30)

Presenter(s) : KARAN, Anirban

Session Classification : S2

Contribution ID : **10**

Type : **not specified**

Probing new physics through global fits of electroweak, Higgs, top, and flavour observables

Wednesday, 19 June 2024 16:30 (30)

Presenter(s) : MIRALLES AZNAR, Victor (IFIC-UV)

Session Classification : S2

Contribution ID : 11

Type : **not specified**

Quantum sensors as particle detectors

Wednesday, 19 June 2024 17:00 (30)

Presenter(s) : MURGUI GALVEZ, Clara (IFIC)

Session Classification : S2

Contribution ID : 12

Type : **not specified**

CP-odd window into long distance dynamics in rare semileptonic B decays

Presenter(s) : NOVOA-BRUNET, Martin (IFIC)

Session Classification : S3

Contribution ID : 13

Type : **not specified**

Constraining fragmentation functions through proton-proton to hadron-photon at NLO

Thursday, 20 June 2024 10:00 (30)

Presenter(s) : SALVADOR ALEJANDRO, Ochoa Oregon (FCFM-UAS)

Session Classification : S3

Contribution ID : 14

Type : **not specified**

Z' models at FCC-ee

Thursday, 20 June 2024 10:30 (30)

Presenter(s) : PATTNAIK, Baibhab (IFIC Valencia)

Session Classification : S3

Contribution ID : 15

Type : **not specified**

Decay and detection of a light scalar boson mixing with the Higgs boson

Thursday, 20 June 2024 11:30 (30)

Presenter(s) : PASSEMAR, Emilie

Session Classification : S3

Contribution ID : 16

Type : **not specified**

The feasibility of ultra-relativistic bubbles in SMEFT

Thursday, 20 June 2024 12:00 (30)

Presenter(s) : PRAKASH, Suraj (IFIC (UV-CSIC))

Session Classification : S3

Contribution ID : 17

Type : **not specified**

Quantum querying for causal Feynman loop configurations

Thursday, 20 June 2024 12:30 (30)

Presenter(s) : RAMÍREZ URIBE, Norma Selomit

Session Classification : S3

Contribution ID : **18**

Type : **not specified**

Bounds on new physics: from low energies to the top

Thursday, 20 June 2024 14:30 (30)

Presenter(s) : RODRÍGUEZ SÁNCHEZ, Antonio (IFIC (UV-CSIC))

Session Classification : S4

Contribution ID : **19**

Type : **not specified**

Two-body hadronic charm meson decays

Thursday, 20 June 2024 15:00 (30)

Presenter(s) : VALE SILVA, Luiz

Session Classification : S4

Contribution ID : 20

Type : **not specified**

Discovering Electroweak Interacting Dark Matter at Muon Colliders using Soft Tracks

Thursday, 20 June 2024 15:30 (30)

Presenter(s) : ZURITA, José (CSIC-ific)

Session Classification : S4

Contribution ID : 21

Type : **not specified**

Dead-cone effect in the production of heavy flavours at high-energy colliders

Thursday, 20 June 2024 09:30 (30)

Presenter(s) : DHANI, Prasanna Kumar (IFIC, University of Valencia)

Session Classification : S3