

**The 40th International
Symposium on Physics in
Collision 2021**

Report of Contributions

Contribution ID: 3

Type: **not specified**

Direct Search for Dark Matter

Thursday 16 September 2021 09:00 (40 minutes)

Presenter: SELVI, Marco (Univ. of Bologna)

Session Classification: Plenary 5

Contribution ID: 4

Type: **not specified**

Very High Energy Neutrinos

Thursday 16 September 2021 09:40 (30 minutes)

Presenter: Ms SCHUMACHER, Lisa (TU München)

Session Classification: Plenary 5

Contribution ID: 5

Type: **not specified**

Atmospheric Neutrinos

Thursday 16 September 2021 10:10 (30 minutes)

Presenter: FERNANDEZ MENENDEZ, Pablo (Liverpool University)

Session Classification: Plenary 5

Contribution ID: 6

Type: **not specified**

Long-Baseline Accelerator Neutrino Experiments

Thursday 16 September 2021 11:10 (40 minutes)

Presenter: Mr BAYS, Kirk (Illinois Institute of Technology)

Session Classification: Plenary 6

Contribution ID: 7

Type: **not specified**

Reactor Neutrino Experiments with km-Scale Baseline

Thursday 16 September 2021 11:50 (30 minutes)

Presenter: Mr SOLDIN, Philipp (RWTH Aachen University)

Session Classification: Plenary 6

Contribution ID: 8

Type: **not specified**

Latest Results from the Search for Sterile Neutrinos

Thursday 16 September 2021 14:00 (30 minutes)

Presenter: Mr SURUKUCHI , Pranava (Yale University)

Session Classification: Plenary 6

Contribution ID: 9

Type: **not specified**

Neutrinoless Double-Beta Decay

Thursday 16 September 2021 14:30 (40 minutes)

Presenter: Ms VON STURM, Katharina (INFN Padova)

Session Classification: Plenary 6

Contribution ID: **10**

Type: **not specified**

Electron Neutrino Effective Mass

Thursday 16 September 2021 15:10 (30 minutes)

Presenter: Mr SCHLÖSSER, Magnus (Karlsruher Institut für Technologie)

Session Classification: Plenary 6

Contribution ID: 11

Type: **not specified**

Global Fit of Neutrino Oscillation Parameters

Thursday 16 September 2021 16:00 (40 minutes)

Presenter: SCHWETZ-MANGOLD, Thomas (Karlsruher Institut für Technologie)

Session Classification: Plenary 6

Contribution ID: 12

Type: **not specified**

Coherent Elastic Neutrino-Nucleus Scattering

Thursday 16 September 2021 16:40 (20 minutes)

Presenter: Mr LIU, Jing (University of South Dakota)

Session Classification: Plenary 6

Contribution ID: 13

Type: **not specified**

Solar Neutrinos

Thursday 16 September 2021 17:00 (20 minutes)

Presenter: Mr MISIASZEK, Marcin (INFN Gran Sasso)

Session Classification: Plenary 6

Contribution ID: 14

Type: **not specified**

Geo-Neutrinos

Thursday 16 September 2021 17:20 (20 minutes)

Presenter: Ms STRATI, Virginia (INFN Ferrara)

Session Classification: Plenary 6

Contribution ID: 15

Type: **not specified**

Gravitational Waves

Friday 17 September 2021 11:30 (40 minutes)

Presenter: Mr PORTER, Ed (APC Paris)

Session Classification: Plenary 7

Contribution ID: 16

Type: **not specified**

Axion Searches

Friday 17 September 2021 09:40 (40 minutes)

Presenter: Mr KNIRCK, Stefan (FermiLab)

Session Classification: Plenary 7

Contribution ID: 17

Type: **not specified**

Dark Energy

Friday 17 September 2021 10:50 (40 minutes)

Presenter: Mr BERNARDEAU, Francis (Institut d'Astrophysique)

Session Classification: Plenary 7

Contribution ID: **18**

Type: **not specified**

Neutrinos in Cosmology

Friday 17 September 2021 09:00 (40 minutes)

Presenter: Mr LESGOURGUES, Julien (RWTH Aachen University)

Session Classification: Plenary 7

Contribution ID: 21

Type: **not specified**

Spectroscopy

Tuesday 14 September 2021 14:00 (30 minutes)

Presenter: Mr NERLING, Frank (GSI Darmstadt)

Session Classification: Plenary 2

Contribution ID: 22

Type: **not specified**

Kaon Decays

Tuesday 14 September 2021 14:30 (30 minutes)

Presenter: Mr MASSRI, Karim (CERN)

Session Classification: Plenary 2

Contribution ID: 23

Type: **not specified**

g - 2

Tuesday 14 September 2021 15:00 (30 minutes)

Presenter: Mr SORBARA, Matteo (Universita di Roma)

Session Classification: Plenary 2

Contribution ID: 25

Type: **not specified**

b - physics

Tuesday 14 September 2021 16:30 (45 minutes)

Presenter: Mr KRIZAN, Peter (Institute Jozef Stefan, Ljubljana)

Session Classification: Plenary 2

Contribution ID: 26

Type: **not specified**

c - physics

Tuesday 14 September 2021 17:15 (45 minutes)

Presenter: Ms BRODZICKA, Jolanta (Polish Academy of Sciences)

Session Classification: Plenary 2

Contribution ID: 27

Type: **not specified**

Higgs-boson production and decay

Wednesday 15 September 2021 09:00 (40 minutes)

Presenter: BEHERA, Prafulla (Indian Inst. of Technol. Madras)

Session Classification: Plenary 4

Contribution ID: 28

Type: **not specified**

Higgs, Spin, Parity and CP

Wednesday 15 September 2021 09:40 (30 minutes)

Presenter: Mr POVEDA TORRES, Ximo (University of Valencia)

Session Classification: Plenary 4

Contribution ID: 29

Type: **not specified**

Single and Multiple Top Production

Wednesday 15 September 2021 10:10 (30 minutes)

Presenter: Mr ORLANDO, Nicola (University of Barcelona)

Session Classification: Plenary 4

Contribution ID: **30**

Type: **not specified**

Model-Independent Searches

Wednesday 15 September 2021 15:30 (30 minutes)

Presenter: Ms ROSARIO CUETO GOMEZ, Ana (CERN)

Session Classification: Plenary 3

Contribution ID: **31**

Type: **not specified**

SUSY - Searches

Wednesday 15 September 2021 14:00 (30 minutes)

Presenter: Mr BHATTACHARYA, Soham (DESY)

Session Classification: Plenary 3

Contribution ID: 32

Type: **not specified**

Searches for BSM Higgs Signatures

Wednesday 15 September 2021 14:30 (30 minutes)

Presenter: Ms SERT, Hale (Istanbul University)

Session Classification: Plenary 3

Contribution ID: 33

Type: **not specified**

Searches for Exotic Phenomena

Wednesday 15 September 2021 15:00 (30 minutes)

Presenter: Ms TORRO PASTOR, Emma (Universitat de Valencia)

Session Classification: Plenary 3

Contribution ID: 34

Type: **not specified**

Top-Quark Mass and Couplings

Wednesday 15 September 2021 11:00 (30 minutes)

Presenter: Ms NARAIN, Meenakshi (Brown University)

Session Classification: Plenary 4

Contribution ID: 35

Type: **not specified**

W- and Z-Production

Wednesday 15 September 2021 11:30 (30 minutes)

Presenter: Mr CROFT, Vincent (Radboud University, Nijmegen)

Session Classification: Plenary 4

Contribution ID: 36

Type: **not specified**

Triple and Quartic Gauge Boson Couplings

Wednesday 15 September 2021 12:00 (30 minutes)

Presenter: Mr BELLAN, Riccardo (Univ. di Torino e Sez. dell'INFN, Italy)

Session Classification: Plenary 4

Contribution ID: 37

Type: **not specified**

Searches for Charged Lepton Flavour Violation

Tuesday 14 September 2021 15:30 (30 minutes)

Presenter: Mr ROTONDO, Marcello (INFN Frascati)

Session Classification: Plenary 2

Contribution ID: **38**

Type: **not specified**

Heavy Ion Physics

Tuesday 14 September 2021 09:50 (40 minutes)

Presenter: Ms GERMAIN, Marie (Subatech, Nantes)

Session Classification: Plenary 1

Contribution ID: 39

Type: **not specified**

Welcome

Tuesday 14 September 2021 09:30 (20 minutes)

Presenter: Mr STAHL, Achim (RWTH Aachen University)

Session Classification: Plenary 1

Contribution ID: 40

Type: **not specified**

Strong Interactions

Tuesday 14 September 2021 11:00 (45 minutes)

Presenter: Mr ROYON, Christoph (University of Kansas)

Session Classification: Plenary 1

Contribution ID: 41

Type: **not specified**

Welcome

Presenter: Mr STAHL, Achim (RWTH Aachen University)

Session Classification: Plenary 1

Contribution ID: 42

Type: **not specified**

First differential cross section measurement of the associated production of a single top quark and a Z boson at the CMS Experiment

Wednesday 15 September 2021 16:15 (20 minutes)

Presenter: Ms COLOMBINA, Federica (DESY)

Session Classification: Posters

Contribution ID: 43

Type: **not specified**

b jet identification at the CMS High Level Trigger at the HL-LHC

Wednesday 15 September 2021 16:15 (20 minutes)

Presenter: Mr WUCHTERL, Sebastian

Session Classification: Posters

Contribution ID: 44

Type: **not specified**

Measurement of the CP-violating phase $-\phi_s$ in $B^0_s \rightarrow J/\psi \phi$ at ATLAS

Wednesday 15 September 2021 16:15 (20 minutes)

Presenter: Mr NOVOTNY, Lukas

Session Classification: Posters

Contribution ID: 45

Type: **not specified**

OSIRIS Subsystem des JUNO Experiments

Wednesday 15 September 2021 16:35 (20 minutes)

Presenter: Mr PILARCZYK, Oliver

Session Classification: Posters

Contribution ID: 46

Type: **not specified**

Belle II Alignment in 2021 Data Reprocessing

Wednesday 15 September 2021 16:35 (20 minutes)

Presenter: Mr BILKA, Tadeas

Session Classification: Posters

Contribution ID: 47

Type: **not specified**

Background reduction via angular-selective electron detection at KATRIN

Wednesday 15 September 2021 16:35 (20 minutes)

Presenter: Ms SCHNEIDEWIND, Sonja

Session Classification: Posters

Contribution ID: 48

Type: **not specified**

Physics potential of the JUNO experiment

Wednesday 15 September 2021 16:55 (20 minutes)

Presenter: Mr PHILIPP, Kampmann

Session Classification: Posters

Contribution ID: 49

Type: **not specified**

Search for keV-scale Sterile Neutrinos with first KATRIN Data

Wednesday 15 September 2021 16:55 (20 minutes)

Presenter: Mr HUBER, Anton (KIT)

Session Classification: Posters

Contribution ID: 50

Type: **not specified**

First directional detection of sub-MeV solar neutrinos in the liquid scintillator detector by Borexino

Wednesday 15 September 2021 16:55 (20 minutes)

Presenter: Ms SINGHAL, Apeksha (FZ Jülich)

Session Classification: Posters

Contribution ID: 51

Type: **not specified**

Towards a Software-Adaptable Receiver Chain for Particle Detectors

Wednesday 15 September 2021 17:15 (20 minutes)

Presenter: Mr RÖSSING, Florian (FZ Jülich)

Session Classification: Posters

Contribution ID: 52

Type: **not specified**

First Experimental Evidence of CNO Cycle Solar Neutrinos by Borexino

Wednesday 15 September 2021 17:15 (20 minutes)

Presenter: Mr PENEK, Ömer (FZ Jülich)

Session Classification: Posters

Contribution ID: 53

Type: **not specified**

LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions

Wednesday 15 September 2021 17:15 (20 minutes)

Presenters: Ms LIST, Jenny (DESY); Mr HALLFORD, John (DESY / University College London)

Session Classification: Posters

Contribution ID: 54

Type: **not specified**

Characterization of the JUNO Large-PMT readout electronics

Wednesday 15 September 2021 17:35 (20 minutes)

Presenter: Ms VON STURM, Katharina (INFN Padova)

Session Classification: Posters

Contribution ID: 55

Type: **not specified**

The T2K ND280 upgrade

Wednesday 15 September 2021 17:35 (20 minutes)

Presenter: Mr THAMM, Nick (RWTH Aachen University)

Session Classification: Posters

Contribution ID: 56

Type: **not specified**

PIC 2022

Friday 17 September 2021 12:10 (10 minutes)

Presenter: Mr SHANDIZE, Revaz (Tbilisi State University)

Session Classification: Farewell