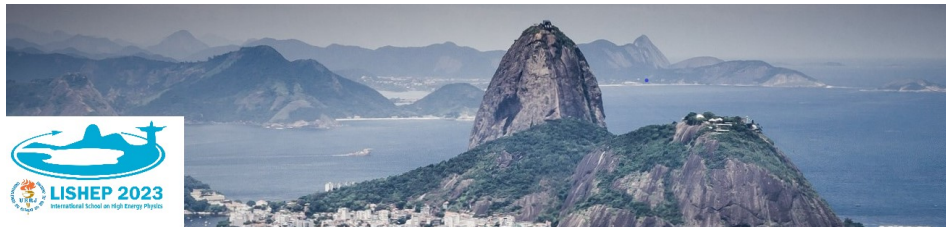


LISHEP 2023 Conference Page - Session C



Report of Contributions

Contribution ID: 1

Type: **not specified**

STILL OPEN

Contribution ID: 2

Type: **not specified**

Pentaquarks, Multiquark - speaker to be confirmed

Contribution ID: 3

Type: **not specified**

Standard Model -Highlights from CMS - speaker to be confirmed

Contribution ID: 4

Type: **not specified**

Higgs results and Prospects from CMS - speaker to be confirmed

Contribution ID: 5

Type: **not specified**

Search for BSM Physics in CMS

Contribution ID: 6

Type: **not specified**

Heavy Flavor results from CMS

Contribution ID: 7

Type: **not specified**

- speaker to be defined

Contribution ID: 8

Type: **not specified**

Neutrino Physics as Benchmark for Electroweak symmetry breaking

Presenter: Dr WD VALLE, Jose (Universidad de Valencia)

Contribution ID: 9

Type: **not specified**

High Energy Physics in China: Present and Future

Tuesday 7 March 2023 09:00 (1 hour)

Presenter: Dr WANG, Yifang (Institute of High Energy Physics, CAS)

Contribution ID: **10**

Type: **not specified**

Highlights from ATLAS

Tuesday 7 March 2023 10:20 (1 hour)

Presenter: Dr DONADELLI, Marisilvia (ATLAS - CERN)

Contribution ID: **11**

Type: **not specified**

FCC and its Physics potential

Tuesday 7 March 2023 11:20 (1 hour)

Presenter: Dr BERNARDI, Gregorio

Contribution ID: 12

Type: **not specified**

Search for BSM Physics in ATLAS

Tuesday 7 March 2023 17:20 (20 minutes)

Presenter: COELHO LOPES DE SA, Rafael (University of Massachusetts (US))

Contribution ID: 13

Type: **not specified**

Heavy Flavor results from ATLAS

Tuesday 7 March 2023 17:00 (20 minutes)

Presenter: Dr CRISTINZIANI, Markus (Universität Siegen)

Contribution ID: 14

Type: **not specified**

Higgs results and Prospects from ATLAS

Friday 10 March 2023 15:50 (20 minutes)

Presenter: Dr CHEN, Jiayi (ATLAS)

Contribution ID: 15

Type: **not specified**

standard Model and Top results from ATLAS

Tuesday 7 March 2023 16:40 (20 minutes)

Presenter: Dr GOTTARDO, Carlos Alberto (ATLAS)

Contribution ID: 16

Type: **not specified**

GLUEBALLS and Search Exotic Searchers at BESIII

Thursday 9 March 2023 09:00 (1 hour)

Presenter: Prof. FANG, Shuangshi (Institute of High Energy Physics, CAS)

Contribution ID: 17

Type: **not specified**

Future Colliders: Cool Copper Collider and Muon Collider

Tuesday 7 March 2023 14:50 (50 minutes)

Presenter: Dr RAO DASU, Sridhara (University of Wisconsin)

Contribution ID: **18**

Type: **not specified**

Cosmic Rays Physics

Wednesday 8 March 2023 09:00 (1 hour)

Presenter: DOBRIGKEIT CHINELLATO, Carola (Uncamp)

Contribution ID: **19**

Type: **not specified**

LHCb Highlights

Wednesday 8 March 2023 10:20 (1 hour)

Presenter: Dr SOUZA DE PAULA, Bruno (LHCb - CERN)

Contribution ID: **20**

Type: **not specified**

Realizing The Vision: HEP Instrumentation

Wednesday 8 March 2023 11:20 (1 hour)

Presenter: Dr DEMATEAU, Marcel (Oak Ridge National Laboratory)

Contribution ID: 21

Type: **not specified**

Fixed Target and Heavy-Ion Results at LHCb

Wednesday 8 March 2023 16:40 (20 minutes)

Presenter: Dr DI NEZZA, Pasquale (Istituto Nazionale di Física Nucleare)

Contribution ID: 22

Type: **not specified**

Direct CP-Violation in Charm Decays at LHCb

Wednesday 8 March 2023 17:00 (20 minutes)

Presenter: Dr SOUZA DE ALMEIDA, Felipe Luan

Contribution ID: 23

Type: **not specified**

CP Violation in charmless three body B-decays

Friday 10 March 2023 11:00 (20 minutes)

Presenter: MACHADO, Diego (lhcb)

Contribution ID: 24

Type: **not specified**

Higgs Results and Prospects from CMS

Presenter: Dr DASU, Siridhara (CMS)

Contribution ID: 25

Type: **not specified**

The Status of Neutrino Physics

Wednesday 8 March 2023 14:00 (50 minutes)

Presenter: Dr ZUKANOVICH, Renata (USP)

Contribution ID: 26

Type: **not specified**

VECTOR-LIKE

Presenter: Dr CASTELO BRANCO, Gustavo (Universidade de Lisboa)

Contribution ID: 27

Type: **not specified**

Physics at the High Energy Frontier

Monday 6 March 2023 09:30 (1 hour)

Presenter: Dr MANGANO, Michelangelo (CERN)

Contribution ID: 28

Type: **not specified**

Pentaquarks, Multiquarks - waiting confirmation from speaker

Contribution ID: 29

Type: **not specified**

Standard Model PDF's for the Muon Collider

Monday 6 March 2023 15:40 (20 minutes)

Presenter: Dr TRIFINOPOULOS, Sokratis (MIT)

Contribution ID: **30**

Type: **not specified**

Search for BSM Physics in CMS

Monday 6 March 2023 16:00 (20 minutes)

Presenter: Dr FRANKENTHAL, Andre (CMS)

Contribution ID: **31**

Type: **not specified**

Highlights of the CMS Electromagnetic Calorimeter

Monday 6 March 2023 16:20 (20 minutes)

Presenter: Dr REBELLO TELES, Patricia (CBPF)

Contribution ID: 32

Type: **not specified**

Higgs results and Prospects from CMS

Contribution ID: 33

Type: **not specified**

Higgs Results from the LHC: A Journey of Discovery

Monday 6 March 2023 14:00 (50 minutes)

Presenter: Dr NEWMAN, Harvey (CALTECH)

Contribution ID: 34

Type: **not specified**

Searches for Exotic Mesons: Perspective from the GlueX Experiment

Tuesday 7 March 2023 14:00 (50 minutes)

Presenter: Dr ZARLING, Jonathan (Jefferson Lab)

Contribution ID: 35

Type: **not specified**

Highlights from ALICE

Thursday 9 March 2023 10:20 (1 hour)

Presenter: Dr SCHWEDA, Kai (ALICE)

Contribution ID: 36

Type: **not specified**

A New Generation of Worldwide Systems for Data Intensive Sciences: The Global Network Advancement Group

Thursday 9 March 2023 11:20 (1 hour)

Presenter: Dr NEWMAN, Harvey (CALTECH)

Contribution ID: 37

Type: **not specified**

Pressure Distribution inside nucleons in a Tsallis MIT bag Model

Presenter: Mr MANUEL MARTHIAS, Aljandro (Cinvestav -Mexico)

Contribution ID: **38**

Type: **not specified**

Highlights from Alice

Contribution ID: 39

Type: **not specified**

Highlights from Alice

Contribution ID: 40

Type: **not specified**

Highlights from Alice

Contribution ID: 41

Type: **not specified**

Global Fits to Effective Fiel Theories

Thursday 9 March 2023 14:50 (50 minutes)

Presenter: Prof. EBOLI, Oscar (USP)

Contribution ID: 42

Type: **not specified**

Snowmass and the Future of US HEP

Thursday 9 March 2023 15:40 (50 minutes)

Presenter: Dr BUTLER, Joel (FNAL - CMS)

Contribution ID: 43

Type: **not specified**

Frontiers of Heavy Ion Physics

Presenter: Dr WYSLOUCH, Boleslaw (M.I.T.)

Contribution ID: 44

Type: **not specified**

Beyond Standard Model

Friday 10 March 2023 14:00 (1 hour)

Presenter: Dr HEWETT, JoAnne (SLAC –National Accelerator Laboratory)

Contribution ID: 45

Type: **not specified**

Global Fits to Effective Field Theories

Presenter: Dr EBOLI, Oscar (I.F. USP)

Contribution ID: 46

Type: **not specified**

Spin Physics with LHCspin

Friday 10 March 2023 11:20 (50 minutes)

Presenter: Dr DI NEZZA, Pasquale (Istituto Nacional di Fisica Nucleare)

Contribution ID: 47

Type: **not specified**

Highlights from CMS

Monday 6 March 2023 11:50 (1 hour)

Presenter: Dr MALGERI, Luca (CMS)

Contribution ID: 48

Type: **not specified**

Physics case for a $e^+ e^-$ Factory and Beyond

Monday 6 March 2023 10:50 (1 hour)

Presenter: Dr GROJEAN, Christophe (DESY)

Contribution ID: 49

Type: **not specified**

Quantum fields and the cosmological constant: de Sitter - anti de Sitter and all that

Monday 6 March 2023 14:50 (50 minutes)

Presenter: Dr MOSCHELLA, Ugo (Italian Institute)

Contribution ID: 50

Type: **not specified**

Multiquark exotics

Friday 10 March 2023 10:00 (1 hour)

Presenter: Dr SKWARNICKI, Tomasz (Syracuse University)

Contribution ID: 51

Type: **not specified**

Precision and Discovery - The Physics Potential of Linear Colliders

Friday 10 March 2023 15:00 (50 minutes)

Presenter: Dr ROMAN, Roman (CNRS/IN2P3/IJCLab)

Contribution ID: 52

Type: **not specified**

Closing Session

Friday 10 March 2023 16:10 (30 minutes)

Contribution ID: 53

Type: **not specified**

Emissions of Fluorinated Gaseous from CMS in RUN3 and Perspectives for RUN4 and Beyond

Thursday 9 March 2023 14:00 (50 minutes)

Presenter: Dr PUGLIESE, Gabriella (INFN - Bari - Italy)

Contribution ID: 54

Type: **not specified**

The Fermilab High Energy Physics Program: Present and Future

Thursday 9 March 2023 16:30 (50 minutes)

Presenter: MERMINGA, Lia

Contribution ID: 55

Type: **not specified**

Quasi normal modes and universal relations in hybrid stars

Presenter: Dr KUMAR, Deepak (Theoretical Physics Division, Physical Research Laboratory,)

Contribution ID: 56

Type: **not specified**

ALL Posters sessions will be during the coffee Break

Sunday 5 March 2023 08:00 (20 minutes)

Contribution ID: 57

Type: **not specified**

The $B \rightarrow K J/\psi$ omega decay and the X(3930), X(3960) states

Sunday 5 March 2023 08:20 (20 minutes)

Presenter: ET AL., Luciano Abreu

Contribution ID: 58

Type: **not specified**

iRPC –innovative CMS RPC project for HL-LHC data taking.

Presenter: Dr BUONTEMPO, Salvatore (CMS)

Contribution ID: 59

Type: **not specified**

The $Z_{\{cs\}}$ (3985) abundance in a hadronic medium

Sunday 5 March 2023 08:40 (20 minutes)

Presenter: Prof. VIEIRA, Hildeson (UFBA)

Contribution ID: **60**

Type: **not specified**

Experimental Neutrino Physics

Presenter: Dr SEGRETO, Ettore (UNICAMP)

Contribution ID: **61**

Type: **not specified**

The AI take on Nuclear Physics: A transformer model for the properties of nuclides

Sunday 5 March 2023 09:00 (20 minutes)

Presenter: Dr TRIFINOPOULOS, SOKRATIS (MIT)

Contribution ID: 62

Type: **not specified**

Analysis of X-ray spectral series in stellar binary pairs and their mathematical modeling

Sunday 5 March 2023 09:20 (20 minutes)

Presenter: Prof. SILVA DE LIMA, Melina (UFBA)

Contribution ID: **63**

Type: **not specified**

Interactions of the $Y(4274)$ state with light mesons

Sunday 5 March 2023 09:40 (20 minutes)

Presenter: Dr MOURA BRITO, André Luiz (UFBA)

Contribution ID: 64

Type: **not specified**

Study of the interactions of exotic state $Z_c(3900)$ in a hadronic medium

Sunday 5 March 2023 10:00 (20 minutes)

Using effective Lagrangians, we study the interactions of the state $Z_c(3900)$ with light mesons. We determine the cross sections for the processes $Z_c\pi \rightarrow \bar{D}^{(*)}D^{(*)}$ and as well as the inverse processes. To understand the influence of the medium on the results, we determined the thermal average of the cross-sections.

Presenter: Prof. OLIVEIRA MAGALHÃES, Rodrigo (UFBA)

Contribution ID: 65

Type: **not specified**

Results on New Physics with the CMS Precision Proton Spectrometer

Monday 6 March 2023 16:40 (20 minutes)

Presenter: Dr GIL DA SILVEIRA, Gustavo (UFRGS/UERJ)

Contribution ID: 66

Type: **not specified**

Neutrino production NSI & T2K-NOvA tension

Sunday 5 March 2023 10:20 (20 minutes)

We propose a non-standard interaction (NSI) in neutrino production to alleviate the tension between the results of the experiments NOvA (NuMI Off-axis ν_e Appearance) and T2K (Tokai to Kamioka). The NSI is computed through quantum field theory (QFT) formalism and we get perturbative analytic formulas for oscillation probabilities.

Presenter: Ms RODRIGUES, Fernanda (UNICAMP)

Contribution ID: 67

Type: **not specified**

Study of Contaminations in Ds->pipiK background.

In DsPPK selection process we find structure in background , the Challenge is identify and eliminate this structure before start the analysis. We investigate this contamination comes from D0 charm decay, and for testing this hypotesis we will use simulations with RapidSim for testing and confirm our hipotesys.

Presenter: Mr SANTORO DE OLIVEIRA, LEONARDO (CBPF)

Contribution ID: 68

Type: **not specified**

Pressure Distribution inside nucleons in Tsallis MIT Bag Model

Wednesday 8 March 2023 15:40 (40 minutes)

Presenter: Dr HERRERA, Gerardo (ALICE)

Contribution ID: **69**

Type: **not specified**

CMS Heavy Flavor

Tuesday 7 March 2023 15:40 (40 minutes)

Presenter: Dr LEONARDO, Nuno (LIP)

Contribution ID: 70

Type: **not specified**

Highlights of SM and TOP results from CMS

Tuesday 7 March 2023 17:40 (20 minutes)

Presenter: Dr KUMAR MAL, Prolay (CMS)

Contribution ID: 71

Type: **not specified**

**THE POSTER SESSION WILL BE DURING THE
COFFEE BREAK EACH DAY FROM 6 TO 10 MARCH**

Sunday 5 March 2023 07:00 (15 minutes)

Contribution ID: 72

Type: **not specified**

Neutrino Physics Benchmarks for Colliders

Friday 10 March 2023 09:00 (40 minutes)

Presenter: VALLE, Jose W F (IFIC-SPAIN)

Contribution ID: 73

Type: **not specified**

OPEN SESSION

Monday 6 March 2023 09:00 (30 minutes)

Presenter: SANTORO, Alberto (Universidade do Estado do Rio de Janeiro (BR))

Contribution ID: 74

Type: **not specified**

cpv in ds->ppk decay

Sunday 5 March 2023 10:40 (20 minutes)

In this study, we investigate CP violation in $D_s \rightarrow \pi^- \pi^+ K^+$ channel using simulations of the Dalitz plot and a technique called Mirandizing. We demonstrate the effectiveness of this approach by visualizing the shape of the CP violation in the Dalitz plot. By analyzing the local population differences, we are able to identify regions where CP symmetry is broken. Our results provide new insights into the underlying physics of CP violation and have important implications for experimental studies in particle physics.

Presenter: SANTORO DE OLIVEIRA, Leonardo (CBPF)

Contribution ID: 75

Type: **not specified**

Roundtable discussion: "Topics to be covered at the next LISHEP conference"

Thursday 9 March 2023 12:20 (50 minutes)

Participants: Alberto Santoro, Luiz Mundim e Sandro Fonseca