

Italian Summer Students Final Presentations

Report of Contributions

Contribution ID: 1

Type: **not specified**

The efficiency of a Cosmic Ray Tagger (CRT) veto on selection of contained neutrino interactions in SBND

Thursday, 26 September 2024 09:40 (20 minutes)

Presenters: CORALLO, Annalea (Università degli studi di Ferrara); LAY, Henry (Lancaster University); STANCARI, Michelle (Fermilab)

Session Classification: SBN presentations

Contribution ID: 2

Type: **not specified**

Neutrino event reconstruction with Time Projection Chamber detector in the ICARUS experiment

Thursday, 26 September 2024 10:00 (20 minutes)

Presenters: SOTGIA, Mattia (Università degli Studi di Genova); CAMPANI, Alice (Università degli Studi di Genova - INFN Genova); FAVA, Angela (Fermilab); DI NOTO, Lea (INFN and University of Genova)

Session Classification: SBN presentations

Contribution ID: 3

Type: **not specified**

Modelling detector-specific reconstruction uncertainties in LAr-TPC

Thursday, 26 September 2024 10:20 (20 minutes)

Presenters: D'AURIA, Lorenzo Vincenzo (University of Padua); HAUSNER, Harry (Fermilab); FAVA, Angela (Fermilab)

Session Classification: SBN presentations

Contribution ID: 4

Type: **not specified**

Development of a GNN for reconstruction of LArTPC detector data

Thursday, 26 September 2024 10:40 (20 minutes)

Presenters: JAIMES CAMPOS, Ricardo A (Università di Bologna); CERATI, Giuseppe (Fermilab); CIPRI-JANOVIC, Aleksandra (Fermi National Accelerator Laboratory)

Session Classification: SBN presentations

Contribution ID: 5

Type: **not specified**

Assembly and preparation of a LArTPC for ArCS and study of the test beam characteristics

Thursday, 26 September 2024 11:15 (20 minutes)

Presenters: CICOGNA, Giulia (Università di Bologna); MONTANARI, Claudio Silverio (INFN--Pavia); DEL TUTTO, Marco (Fermilab); NUNES, Monica (Fermilab)

Session Classification: SBN presentations

Contribution ID: 6

Type: **not specified**

Enhancing a LArTPC with a magnetic field

Thursday, 26 September 2024 11:35 (20 minutes)

Presenters: UNICH, Lorenzo (Università degli studi di Napoli "Federico II"); DEL TUTTO, Marco (Fermilab); NUNES, Monica (Fermilab); MONTANARI, Claudio Silverio (INFN-Pavia)

Session Classification: SBN presentations

Contribution ID: 7

Type: **not specified**

Calibration of the Mu2E calorimeter with cosmic ray events

Thursday, 26 September 2024 09:20 (20 minutes)

Presenters: BOCCIA, Giacinto (Università degli Studi di Napoli Federico II); KUTSCHKE, Rob (Fermilab); GIOVANNELLA, Simona (LNF)

Session Classification: Mu2E presentations

Contribution ID: 8

Type: **not specified**

Verification of the Heat Removal System of the Mu2e Proton Beam Dump

Thursday, 26 September 2024 09:00 (20 minutes)

Presenters: VENTURINI, Davide (Università di Pisa and Scuola Superiore Sant'Anna); AMMIGAN, Kavin (Fermi National Accelerator Laboratory); LIU, Zunping

Session Classification: Mu2E presentations

Contribution ID: 11

Type: **not specified**

Development of an correlator overlay module in Pynq environment with RedPitaya Board

Thursday, 26 September 2024 13:20 (20 minutes)

Presenters: CIRACI, Fabio Antonello (Università di Bologna); STOUGHTON, Chris (Fermilab); CONTRERAS, Javier (FNAL)

Session Classification: CMS presentations

Contribution ID: 12

Type: **not specified**

Development of the CMS Phase2 Outer Tracker Analyzer Of Test Outputs (POTATO) software

Thursday, 26 September 2024 13:40 (20 minutes)

Presenters: MARCHISIO CAPRIOGLIO, Matteo (Università degli Studi di Torino); UPLEGGER, Lorenzo (Fermilab); RAVERA, Fabio

Session Classification: CMS presentations

Contribution ID: 13

Type: **not specified**

Optimal, Multi-Dimensional Resource Provisioning for Scientific Workloads

Thursday, 26 September 2024 14:00 (20 minutes)

Presenters: ANDREOLI, Remo (Sant'Anna School of Advanced Studies); MAMBELLI, Marco (Fermilab)

Session Classification: Computing presentation