

Italian Summer Students Final Presentations - day1

Wednesday, 27 September 2023

Day 1: morning 1 - WH7XO Racetrack (09:30 - 11:10)

time	[id] title	presenter
09:30	[21] Monitoring the readout temperature in the Icarus TPC	ZAGO, Giovanni VARANINI, Filippo SAVAGE, Geoffrey
09:50	[7] Analysis of Rock Events from NuMI in the ICARUS Detector	CAPORALE, Marco BETANCOURT, Minerba
10:10	[10] Cosmic muons rejection in Icarus	SCARNERA, Marco MONTANARI, Claudio Silverio
10:30	[17] The Icarus light detection system	MARESO, Leo TORRETTA, Donatella RASELLI, Gianluca
10:50	[22] Study and improvement of the trigger system in ICARUS	CHIELLO, Giovanni FAVA, Angela TORRETTA, Donatella

Day 1: morning 2 - WH7XO Racetrack (11:25 - 12:45)

time	[id] title	presenter
11:25	[16] Low-latency quantum control using AI algorithms on cryogenic microelectronics platforms	RUSSO, Marco PERDUE, Gabriel
11:45	[8] Robot System integration for cleanroom SRF assembly at Fermilab	CIARAMELLA, Alessandro PASSARELLI, Donato WU, Genfa
12:05	[23] Dark Photon physics in SBND	FRICANO, Gaetano BALASUBRAMANIAN, Supraja
12:25	[14] Cryogenic high-speed transmitter and receiver circuits in advanced CMOS technology for quantum computing and technology	PACINI, Diego BRAGA, Davide

Day 1: afternoon 1 - WH7XO Racetrack (13:45 - 15:25)

time	[id] title	presenter
13:45	[9] The CMS Phase II Outer Tracker Upgrade at Fermilab	SALIMBENI, Nicolo RAVERA, Fabio UPLEGGGER, Lorenzo
14:05	[19] Trigger development for HGCal's cassette testing system for CMS experiment	TINFENA, Mattia GECSE, Zoltan
14:25	[11] New jet tagging techniques in Vector Boson Scattering (VBS) WW analysis in the semi-leptonic channel with the CMS experiment	DELLI GATTI, Raffaele ZOI, Irene NGADIUBA, Jennifer

14:45	[15] PIP-II thermal analysis of busbars	PICCHI, Silvia GRZELAK, Victor
15:05	[20] Single Spoke Resonator (SSR) cryomodule assembly tooling and procedure for PIP-II	GIUSTI, Matteo BERNARDINI, Jacopo

Day 1: afternoon 2 - WH7XO Racetrack (15:40 - 17:20)**-Conveners: Marco Mambelli**

time	[id] title	presenter
15:40	[2] Commissioning of the Mu2e Data AcQuisition system and the Vertical Slice Test of the straw tracker	GAMBA, Sara MURAT, Pavel DONATI, Simone
16:00	[3] Developing a Photon Conversion Algorithm for Background Measurements in Mu2e	CARONE, Francesco Mattia BERNSTEIN, Robert MISCETTI, Stefano
16:20	[5] 3D CAD Modeling and Mechanical Integration at the Mu2e Experiment at Fermilab	COMMISSO, Marco COMMISSO, MARCO GINTHER, George DONATI, Simone