

ICHEP 2022

Thursday, 7 July 2022

Detectors for Future Facilities, R&D, novel techniques: Joint session with Operation, Performance and Upgrade - Room 6 (Bianca) (14:30 - 16:30)

-Conveners: Mogens Dam; Gianluigi Cibinetto

time	[id] title	presenter
14:30	[376] The Silicon Vertex Detector of the Belle II Experiment	LAUTENBACH, Klemens
14:50	[734] Development and Performance of the Belle II DAQ Upgrade	ZHOU, Qi-Dong
15:10	[1078] The Belle II Upgrade Program	KRIZAN, Peter
15:30	[112] ALICE FoCal	RAUCH, Max
15:50	[114] A truly cylindrical inner tracker for ALICE	MAGER, Magnus
16:10	[111] ALICE 3	JACAZIO, Nicolo'

Friday, 8 July 2022

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (09:00 - 10:45)

-Conveners: Jianchun Wang; Felix Sefkow

time	[id] title	presenter
09:00	[1047] Status of detector requirements for FCC-ee	COBAL, Marina
09:15	[256] Experimentation, challenges, and detector requirements at the CEPC	RUAN, Manqi
09:30	[630] The IDEA detector concept for FCCee	GAUDIO, Gabriella
09:45	[531] Particle identification with the cluster counting technique for the IDEA drift chamber	CUNA, Federica
10:00	[1194] The Tracking performance for the IDEA drift chamber	ELMETENAWEE, Walaa
10:15	[1249] Particle identification with a drift chamber for CEPC	XIN, Shuiting

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (11:15 - 13:00)

-Conveners: Gianluigi Cibinetto; Mogens Dam

time	[id] title	presenter
11:15	[138] Time projection chamber technology with 266nm UV laser track for the circular e+e- collider	QI, Huirong
11:30	[24] TPC Development by the LCTPC Collaboration for the ILD Detector at ILC	MAKSYM, Titov
11:45	[711] The micro-RWELL detector for the LHCb Muon system phase-2 upgrade	MORELLO, Gianfranco
12:00	[467] The u-RWELL technology at the IDEA detector	FARINELLI, Riccardo
12:15	[1098] Small-pad resistive Micromegas for high-rate environment	DI NARDO, Roberto
12:30	[1027] Irradiation and longevity test of Resistive Micromegas detectors	IENGO, Paolo
12:45	[415] TIGER/GEMROC: a versatile and modular readout system for micro-pattern gaseous detectors	GRAMIGNA, Stefano

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (14:30 - 16:30)

-Conveners: Felix Sefkow; Mogens Dam

time	[id] title	presenter
14:30	[97] Design and construction status of the Mu2e crystal calorimeter	PAESANI, Daniele
14:45	[573] An automated QC station for the characterization of the Mu2e Calorimeter Readout Units	SANZANI, Elisa
15:00	[1201] Exposing a fibre-based dual-readout calorimeter prototype to beams of electrons	POLESELLO, Giacomo
15:15	[1000] Scintillating sampling ECAL technology for the Upgrade II of LHCb	SCHOPPER, Andreas
15:30	[998] A novel high-granularity crystal calorimeter	QI, Baohua
15:45	[1036] The Crilin Calorimeter: an alternative solution for the Muon Collider barrel	DIOCIAIUTI, Eleonora
16:00	[825] Beam test characterization of oriented crystals in strong field conditions	MONTI-GUARNIERI, Pietro

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (17:00 - 19:00)

-Conveners: Cornelia Wunderer; Daniela Daniela Bortoletto

time	[id] title	presenter
17:00	[828] CALICE Imaging Calorimeters: A Review and New Results	IRLES, Adrian
17:15	[1113] Hadronic Energy reconstruction in highly granular calorimeters	LAKTINEH, Imad
17:30	[1114] Advanced reconstruction and simulation techniques for highly granular calorimeters	JIMENEZ MORALES, Fabricio
17:45	[1152] Development of a novel highly granular hadronic calorimeter with scintillating glass tiles	DU, Dejing
18:00	[1162] Development of a resource-efficient FPGA-based neural network regression model for the ATLAS muon trigger upgrades	OSPA NOV, Rustem
18:15	[1337] Optimal size constraining of Deep Neural Network Models for FPGA implementation in trigger systems of experiments at future colliders	IUPPA, Roberto

Saturday, 9 July 2022

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (09:00 - 10:45)

-Conveners: Daniela Daniela Bortoletto; Jianchun Wang

time	[id] title	presenter
09:00	[385] Characterization of the transient response of diamond sensors to collimated, sub-picosecond, 1 GeV electron bunches	JIN, Yifan
09:15	[924] BULLKID - Bulky and low-threshold kinetic inductance detectors	VIGNATI, Marco
09:30	[329] Forward silicon tracking detector developments for the future Electron-Ion Collider	LI, Xuan
09:45	[1017] Picosecond timing resolution with 3D trench silicon sensors	BORGATO, Federica
10:00	[252] Production of Large Area Picosecond Photo-Detectors – LAPPDTM: 2022 Status Update	Mr SHIN, Shawn
10:15	[795] Capacitively Coupled LAPPDs with 2D Pixelated Readout Planes for Ring Imaging Cherenkov Detectors in High Energy and Nuclear Physics Experiments	KISELEV, Alexander

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (11:15 - 13:00)

-Conveners: Felix Sefkow; Cornelia Wunderer

time	[id] title	presenter
11:15	[944] TORCH, a novel time of flight detector for LHCb upgrade II	RADEMACKER, Jonas
11:30	[686] Development of the time-of-flight particle identification for future Higgs factories	DUDAR, Bohdan
11:45	[1135] Design and construction of Cosmic Muon Veto for the mini-ICAL detector at IICHEP, Madurai	BHEESETTE, Satyanarayana
12:00	[318] LIGHT-1: A 3U Cubesat Mission for the detection of Terrestrial Gamma-Ray Flashes	Dr DI GIOVANNI, Adriano
12:15	[1196] Precision measurements of photosensor components for the Hyper-Kamiokande Outer Detector	SAMANI, Soniya
12:30	[324] Development of an Optical Module for IceCube-Gen2	MAKINO, Yuya

Detectors for Future Facilities, R&D, novel techniques - Room 4 (Rossa) (14:30 - 16:30)

-Conveners: Daniela Daniela Bortoletto; Gianluigi Cibinetto

time	[id] title	presenter
14:30	[274] An overview of the nEXO experiment	LI, Zepeng
14:45	[452] The DUNE vertical drift TPC	LANTWIN, Oliver
15:00	[492] LIME: a gaseous TPC with optical readout	PIACENTINI, Stefano
15:15	[1164] FLArE: Forward Liquid Argon Experiment for High Energy Neutrino and Dark Matter Searches at LHC	BIAN, Jianming
15:30	[1281] LiquidO: a Novel Neutrino Detection Concept	DUSINI, Stefano
15:45	[404] RES-NOVA: detecting Supernova neutrinos with archaeological Pb-based cryogenic detectors	PATTAVINA, Luca
16:00	[886] Very High Energy Physics and Astronomy with Tau and Photon Probes	SASAKI, Makoto

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time	[id] title	presenter
17:00	[359] The BDX experiment at Jefferson Laboratory	CELENTANO, Andrea
17:15	[63] FASER Status and Prospects	SHIVELY, Savannah
17:30	[1050] The NUSES space mission	Dr DI GIOVANNI, Adriano
17:45	[107] ECCE forward physics and detector design	SCHMIDT, Nicolas
18:00	[254] Detector Challenges of the strong-field QED experiment LUXE at the European XFEL	BORYSOV, Oleksandr