

Friday, 8 July 2022

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

-Conveners: Felix Sefkow; Jianchun Wang

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

Higgs Physics: Joint session with BSM - Room 10 (Magenta B) (09:00 - 10:45)

-Conveners: John Conway; Yuji Enari

time	title	presenter
09:00	Searches for Extended Higgs Sectors at CMS	WINTERBOTTOM, Daniel
09:15	Rare & BSM decays of the Higgs boson at CMS	JAFFEL, Khawla
09:30	Exotic decays of the Higgs and Z bosons	CASTILLO, Florencia
09:45	Searches for additional charged and neutral Higgs bosons in ATLAS	FAROOQUE, Trisha
10:00	Mounting evidence for a 95 GeV Higgs boson	BIEKOETTER, Thomas
10:15	Probing light Higgs boson with 96 GeV in di-photon channel	BOUKIDI, Mohammed
10:30	Accidental symmetries in the scalar potential of the Standard Model extended with two Higgs triplets	WANG, Xin

Formal Theory - Room 7 (Gialla) (09:00 - 10:45)

-Conveners: Patrick Dorey; Davide Fioravanti

time	title	presenter
09:00	Phase diagram of QCD in strong background magnetic field	MAIO, Lorenzo
09:15	Hadron spectroscopy using holographic QCD and 't Hooft equation	AHMADY, Mohammad
09:30	Three-loop four-particle QCD amplitudes	BARGIELA, Piotr
09:45	The QCD topological susceptibility at high temperatures via staggered fermions spectral projectors	BONANNO, Claudio
10:00	Six-meson amplitude in QCD-like theories	HUSEK, Tomáš
10:15	Automation of antenna subtraction in colour space	MARCOLI, Matteo

Neutrino Physics - Room 2 (Italia) (09:00 - 10:45)

-Conveners: Roberto Petti

time	title	presenter
09:00	Recent MicroBooNE cross-section results: inclusive channels and pion production	HEN, Or
09:15	Measurement of the Λ Baryon Production Cross Section in Neutrino Interactions with MicroBooNE	THORPE, Christopher
09:30	First Results from MicroBooNE's Low Energy Excess Search and Constraints on eV-Scale Sterile Neutrino Oscillations	JO, Jay Hyun
09:45	Neutrino upscattering to heavy neutral leptons (HNLs) as an explanation of the MiniBooNE low-energy excess (LEE)	HOEFKEN ZINK, Jaime
10:00	Status of the Short-Baseline Near Detector at Fermilab	JONES, Rhiannon
10:15	SBND-PRISM: Sampling Multiple Off-Axis Neutrino Fluxes with the Same Detector	DEL TUTTO, Marco
10:30	New results from the DANSS experiment	DANILOV, Mikhail

Quark and Lepton Flavour Physics - Room 9 (Indaco) (09:00 - 10:45)

time	title	presenter
09:00	The search for lepton flavour violation with the MEG II experiment	RENGA, Francesco
09:17	Searching for cLFV with the Mu3e experiment	DITTMAYER, Sebastian
09:34	The McMule framework and the search for axion-like particles at PSI	GURGONE, Andrea
09:51	Recent tau-lepton results at Belle II	TENCHINI, Francesco
10:08	Tau physics at Belle	UNO, Kenta
10:25	Progress of Muonium to Antimuonium Conversion Experiment (MACE) at EMuS	TANG, Jian

Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (09:00 - 10:45)

-Conveners: Giovanni Abbiendi; Gunar Schnell

time	title	presenter
09:00	R value measurements at BESIII	WANG, Weiping
09:15	Measurement of $\sigma(e^+e^- \rightarrow \pi^+\pi^-\pi^0)$ with ISR events at BABAR and calculation of its contribution to the $(g-2)_\mu$	ANULLI, Fabio
09:30	Short and intermediate distance HVP contributions to muon $g-2$: SM (lattice) prediction versus e^+e^- annihilation data	FREZZOTTI, Roberto
09:45	High precision calculations for the MUonE experiment	BUDASSI, Ettore
10:00	Status of the MUonE experiment	PILATO, Riccardo Nunzio
10:15	NLO and NNLO hadronic vacuum polarization contributions to the muon $g-2$ in the space-like region	LAPORTA, Stefano
10:30	The hadronic running of the electroweak couplings from lattice QCD	CÈ, Marco

Astroparticle Physics and Cosmology - Room 8 (Blu) (09:00 - 10:45)

-Conveners: Mercedes Paniccia

time	title	presenter
09:00	LHC Run II physics results in proton-proton collisions at $\sqrt{s} = 13$ TeV	TIBERIO, Alessio
09:15	Exploring dark sector parameters in light of neutron star temperatures	LIN, Guey-Lin
09:30	Electroweak phase transition with scalar portal to Majorana fermion dark matter	BIONDINI, Simone
09:45	Dark sector freeze-out due to a non-Boltzmann suppression.	GANGULY, Sougata
10:00	Boson stars, primary photons and phase transition	KOZLOV, Gennady
10:15	Constraints on dark matter self-interaction from the galactic core sizes.	SARKAR, Sambo
10:30	First results of DOSUE-RR experiment - the most stringent constraint for dark photon CDM at the mass range of 74-\$110 μeV	ADACHI, Shunsuke

Dark Matter - Room 11 (Magenta A) (09:00 - 10:45)

-Conveners: Priscilla Pani

time	title	presenter
09:00	Sterile neutrino dark matter in the super-weak model	SELLER, Károly
09:15	Leptogenesis from a feebly interacting dark matter sector	CHAND, Suresh
09:35	Model independent bounds for elusive Dark Sectors at neutrino experiments	COSTA, Marco
09:50	Massive Gravitons as Feebly Interacting Dark Matter Candidates	LEE, Seung J.
10:10	Explorations of pseudo-Dirac dark matter having keV splittings and interacting via transition electric and magnetic dipole moments	CHATTERJEE, Shiuli
10:25	Closing the window on WIMP dark matter	BOTTARO, Salvatore

Education and Outreach - Room 3 (Verde) (09:00 - 10:45)

-Conveners: Laura Bandiera

time	title	presenter
09:00	HEPscape! The High Energy Physics Escape Room	ROVELLI, Chiara Ilaria
09:15	The Hidden Force: a dialog between Physics, History and Art	PASTRONE, Nadia
09:30	Outreach activities of the Extreme Energy Events Project	GARBINI, Marco
09:45	GRaffa: a scientific communication project by young researchers for young people	DIOCIUUTI, Eleonora
10:00	When physics meets philosophy again: the "Gravitas" project	TUVERI, Matteo
10:15	The INFN experience in supporting and improving HEP Outreach	CHIARELLI, Giorgio
10:35	Conclusion of the Session	

Accelerators: Physics, Performance, and R&D for future facilities - Room 5 (Aorio) (09:00 - 10:45)

-Conveners: FRANK ZIMMERMANN

time	title	presenter
09:00	"Snowmass'21 Accelerator Frontier: Summary of Discussions on Future HEP Facilities in the US	SHILTSEV, Vladimir
09:20	HL-LHC status and operational scenarios	DE MARIA, Riccardo
09:40	FCC-ee Collider Design Overview	HOFER, Michael
10:00	Current Status of the ILC and CLIC projects	BURROWS, Philip
10:20	The muon collider progress	SCHULTE, Daniel

Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (09:00 - 10:45)

-Conveners: Petra Merkel; Tiziano Camporesi; Felix Reidt

time	title	presenter
09:00	Preparation of ALICE for Run 3	MÜNZER, Robert
09:18	Physics performance of the ALICE experiment in LHC Run 3	LANDOU, Aimeric

09:35	The operational experience, challenges and performance of the ATLAS Semiconductor Tracker during LHC Run-2 and SCT operation prospect for Run-3	SCHOPF, Elisabeth
09:53	Operational Experience and Performance with the ATLAS Pixel detector at the Large Hadron Collider at CERN	BINDI, Marcello
10:10	Measurement of the background in the Muon system of CMS during Run 2	MEI, Hualin
10:28	Upstream Tracker: the new silicon microstrip detector for the LHCb Upgrade	BRAUN, Svende

Computing and Data handling - Room 12 (Celeste) (09:00 - 10:45)

-Conveners: James Letts; Daniele Bonacorsi

time	title	presenter
09:00	AtlFast3: the next generation of fast simulation in ATLAS	CARTER, Thomas
09:15	Deep learning techniques for energy clustering in the CMS electromagnetic calorimeter	MARZOCCHI, Badder
09:30	Generative Models for Fast Simulation of Electromagnetic and Hadronic Showers in Highly Granular Calorimeters	MCKEOWN, Peter
09:45	Lamarr: the ultra-fast simulation option for the LHCb experiment	ANDERLINI, Lucio
10:00	Identification of hadronic tau decays using a deep neural network with the CMS experiment at LHC	ANDROSOV, Konstantin
10:15	A Deep-learning based Full-Event Interpretation (DFEI) algorithm for the identification and hierarchical reconstruction of heavy-hadron decay chains in proton-proton collisions	GARCÍA PARDIÑAS, Julián

Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (11:15 - 13:00)

-Conveners: Petra Merkel; Felix Reidt; Tiziano Camporesi

time	title	presenter
11:15	LHCb beam monitoring and safety systems	STEVENS, Holger
11:33	The ultimate CMS ECAL calibration and performance for the legacy reprocessing of LHC Run 2 data	TRAMONTANO, Raffaella
11:50	CMS electron and photon performance	KAPOOR, Anshul
12:07	ATLAS LAr Calorimeter Commissioning for LHC Run-3	CAI, Huacheng
12:25	Commissioning Results of the CMS-HF Online Radiation Damage Monitoring System and Implications for Run III	GÜLMEZ, Erhan
12:43	Operation and Performance of the ATLAS Tile Calorimeter and its readiness for Run 3	PARRISH, Elliot

Formal Theory - Room 7 (Gialla) (11:15 - 13:00)

-Conveners: Davide Fioravanti; Patrick Dorey

time	title	presenter
11:15	Counting instantons at strong coupling	LONGHI, Pietro
11:30	A Large family of solvable lattice models (round to face models) based on WZW models	RAMOS, Juan
11:45	On the origin of the correspondence between classical and quantum integrable theories	ROSSI, Marco
12:00	Colour-kinematics duality, double copy, and homotopy algebras	MACRELLI, Tommaso
12:15	Integrability as a new method for exact results on quasinormal modes of black holes	GREGORI, Daniele
12:30	Renormalization Group beta function and anomalous dimensions	WITZEL, Oliver

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

-Conveners: Mogens Dam; Gianluigi Cibinetto

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

Higgs Physics - Room 5 (Aorio) (11:15 - 13:00)

-Conveners: Karsten Köneke; María Cepeda

time	title	presenter
11:15	A novel experimental search channel for very light Higgses in the Type-I 2HDM	SEMLALI, Souad
11:30	Phenomenology of a flavoured NTHDM BGL-like model with three massive neutrino generations	VATELLIS, Vasileios
11:45	Higgs boson decay to J/ψ via $c\bar{c}$ -quark fragmentation	MA, Yang
12:00	Probing new physics using Standard Model Effective Field Theory	., Anisha
12:15	Collider phenomenology of new neutral scalars in a flavoured multi-Higgs model	PINO GONÇALVES, João Pedro

Computing and Data handling - Room 12 (Celeste) (11:15 - 13:00)**-Conveners: Andrew McNab; Daniele Bonacorsi**

time	title	presenter
11:15	Enabling distributed analysis for ALICE Run 3	CRUCERU, Ionela Lavinia Raluca
11:30	Data Reconstruction for the sPHENIX experiment	CORLISS, Ross
11:45	An intelligent Data Delivery Service (iDDS) for and beyond the ATLAS experiment	GUAN, Wen
12:00	Small experiment, Big Data: the data production of the Muon $g-2$ Experiment	GIROTTI, Paolo
12:15	Offline data processing and analysis at LHCb in the 2020s	FAZZINI, Davide
12:30	Identification of Beam Particles Using Detectors based on Cerenkov effect and Machine Learning in the COMPASS Experiment at CERN	VOLDŘICH, František

Quark and Lepton Flavour Physics - Room 9 (Indaco) (11:15 - 13:00)

time	title	presenter
11:15	Measurement of the anomalous spin precession frequency in the Muon $g-2$ experiment at Fermilab	COTROZZI, Lorenzo
11:32	Chirally enhanced contributions to muon $g-2$ and related observables	DERMISEK, Radovan
11:49	New physics behind the new muon $g-2$ puzzle?	MASIERO, Antonio DI LUZIO, Luca PARADISI, Paride PASSERA, Massimo
12:06	The muon $g-2$ anomaly confronts new physics in e^+e^- and μ^+e^- final states scattering	DARMÉ, Luc Jean Marie
12:23	A last chance for kinetic mixing: explaining $(g-2)_\mu$ with semi-visible dark photons	MASSARO, Daniele
12:40	SUSY scenarios for muon $g-2$ anomaly: LHC Run 2 and future	IWAMOTO, Sho

Astroparticle Physics and Cosmology: Joint session with Dark Matter - Room 11 (Magenta A) (11:15 - 13:00)**-Conveners: Guenter Sigl**

time	title	presenter
11:15	Astrophysical Searches of Ultralight Particles	PODDAR, Tanmay Kumar
11:35	Flavor Violating Axions in the Early Universe	YUN, Seokhoon
11:50	Status update of the axion helioscope BabyIAXO	MARGALEJO BLASCO, Cristina
12:05	Search for QCD axion dark matter around 24.5 μeV using an 8-cell microwave resonant cavity haloscope and a flux-driven Josephson Parametric Amplifier	KUTLU, Çağlar
12:20	Strategies for high mass axion searches at IBS-CAPP	JEONG, Junu
12:30	Overview of BREAD: Broadband Reflector Experiment for Axion Detection	LIU, Jesse
12:45	MADMAX - Towards a Dielectric Axion Haloscope	LEE, Chang

Neutrino Physics - Room 2 (Italia) (11:15 - 13:00)**-Conveners: Roberto Petti**

time	title	presenter
11:15	Short-Baseline neutrino oscillation searches with the ICARUS detector	PASQUALINI, Laura
11:30	The Cosmic Ray Tagger system of the ICARUS detector at Fermilab	POPPI, Francesco
11:45	Latest results of the STEREO experiment	DEL AMO SÁNCHEZ, Pablo
12:00	The SoLid experiment at BR2	YERESKO, Mike
12:15	Combining Conventional and Machine Learning Algorithms for LArTPC Reconstruction	YU, Haiwang
12:30	Towards identifying the minimal flavor symmetry behind neutrino oscillations	XING, Zhi-zhong

Beyond the Standard Model - Room 10 (Magenta B) (11:15 - 13:00)**-Conveners: Niki Saoulidou; Sarah Williams**

time	title	presenter
11:15	Searches for supersymmetry in hadronic and photonic final states with the CMS experiment	KANUGANTI, Ankush
11:30	Searches for strong production of supersymmetric particles with the ATLAS detector	LIU, Yang
11:45	Stau searches and measurements with the ILD concept at the International Linear Collider	PARDO DE VERA, Maria Teresa
12:00	Searches for third generation supersymmetric particles with the CMS experiment	MATORRAS, Pablo
12:15	Recent results from supersymmetry search combinations with the CMS and ATLAS experiments	HEIKKILAE, Jaana
12:35	WrapUp	

Top quark and EW Physics - Room 8 (Blu) (11:15 - 13:00)-Conveners: **Federica Fabbri; Maria Aldaya**

time	title	presenter
11:15	Comparison of theory predictions for ttW in the 3 lepton channel	KRAUS, Manfred
11:30	Observation of associated production of top quarks with the ATLAS experiment	KORN, Steffen
11:45	Studies of top associated productions with vector bosons and heavy flavor quarks in CMS	SKOVPEN, Kirill
12:05	ttH production in the Higgs characterisation model at NLO in QCD with full off-shell effects	HERMANN, Jonathan
12:25	ttbb predictions at NLO in QCD and b-jet modelling	LUPATTELLI, Michele
12:40	Absolute-mass threshold resummation for the production of four top quarks	MORENO VALERO, Laura

Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (11:15 - 13:00)-Conveners: **Marco Pappagallo; Gunar Schnell**

time	title	presenter
11:15	Universal scaling properties of proton-proton elastic scattering	ROYON, Christophe
11:35	Forward proton measurements with ATLAS	STENZEL, Hasko
11:50	Nucleon electromagnetic form factors at large momentum from Lattice QCD	SYRITSYN, Sergey
12:05	Hadron physics results at KLOE-2	GAUZZI, Paolo
12:25	Hard exclusive π^0 muon production at COMPASS	PESKOVA, Marketa
12:40	AMBER: a new QCD facility at the CERN SPS M2 beam line	SEITZ, Bjoern

Education and Outreach - Room 3 (Verde) (11:15 - 13:00)-Conveners: **Freya Blekman; Laura Bandiera**

time	title	presenter
11:15	The International Particle Physics Outreach Group - Reaching Across the Globe with Science	GOLDFARB, Steven
11:30	The University of Pisa Summer School "Summer Students at Fermilab and other US Laboratories"	DONATI, Simone
11:45	CMS International Masterclasses in Mexico	CECIRE, Kenneth
12:05	Round table - Activities for young audience and kids	
12:05	"Particle physics for babies" : outreach for the youngest audiences	CORPE, Louie
12:15	Particle physics and comics: the experience of Leo and Alice in INFN Kids	BARONE, Serena
12:25	Educational Printables: from colouring books to cheat & fact sheets	BUXBAUM, Valerie
12:35	ALICE in public outreach and in bricks	KLEIN-BÖSING, Christian

Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (14:30 - 16:30)-Conveners: **Maria Ubiali; Giovanni Abbiendi**

time	title	presenter
14:30	Spectral clustering for jet physics	CERRO, Giorgio
14:45	Lund and Cambridge multiplicity for precision physics	MEDVES, Rok
15:00	Quarks and gluons in the Lund plane	TAKACS, Adam
15:15	Identification of b-jets using QCD-inspired observables	SFORZA, Federico
15:30	NLL accurate PanScales showers for hadron collisions	FERRARIO RAVASIO, Silvia
15:45	Explainable machine learning of parton shower mechanisms	LAI, Yue Shi PLOSKON, Mateusz
16:00	Dissecting the collinear structure of quark splitting at NNLL	EL-MENOUFI, Basem

Quark and Lepton Flavour Physics - Room 9 (Indaco) (14:30 - 16:30)

time	title	presenter
14:30	A closer look at the extraction of $ V_{ub} $ from $B \rightarrow \pi l \nu$.	RAY, Ipsita
14:47	Recent Belle II results on the CKM parameters $ V_{cb} $ and $ V_{ub} $	KOGA, Taichiro
15:04	A novel approach to semileptonic heavy-to-light $B \rightarrow \pi l \nu$ decays through the Dispersive Matrix method	VITTORIO, Ludovico
15:21	New results for semileptonic $B \rightarrow \pi l \nu$ decays from Belle	PRIM, Markus
15:38	Lepton Universality tests using semileptonic b-hadron decays	PUTHUMANAILLAM, Resmi
15:55	$ V_{cb} $, LFU and $SU(3)_F$ symmetry breaking in $B_{(s)} \rightarrow D_{(s)}^{(*)} l \bar{\nu}_l$ decays using Lattice QCD and Unitarity	NAVIGLIO, Manuel
16:12	Measurement of $B \rightarrow D^{(*)} \tau \nu$, using semileptonic tag and leptonic τ decays with the BABAR detector.	YUNXUAN, Li

Top quark and EW Physics - Room 8 (Blu) (14:30 - 16:30)-Conveners: **Maria Aldaya; Federica Fabbri**

time	title	presenter
14:30	Measurements of the top-quark mass using the ATLAS detector at the LHC	MELINI, davide
14:45	Top-pair events with B-hadrons at the LHC	GENERET, Terry
15:00	Recent studies on top quark properties and mass in CMS	SCHWARZ, Dennis
15:15	Measurement of top-quark properties with the ATLAS detector at the LHC	BRUSCINO, Nello
15:30	Testing the Standard Model in boosted top quark production with the ATLAS experiment at the LHC	GARNER, Christopher
15:45	Quantum information with top quarks at the LHC	AFIK, Yoav
16:00	Quantum SMEFT tomography: top quark pair production at the LHC	MANTANI, Luca

Equality, Diversity and Inclusion - Room 7 (Gialla) (14:30 - 16:30)

-Conveners: Isabella Garzia; Tomas Brage; Meytal Eran Jona

time	title	presenter
14:30	Introduction to the EDI session	GUINOT, Genevieve GAO, Haiyan GARZIA, Isabella ERAN JONA, Meytal BRAGE, Tomas
14:40	Evolution of Regional, Age and Gender Demographics in the ATLAS Collaboration	MARTIN, Victoria
15:05	Matters of diversity and inclusion at the ALICE Collaboration	FLOR, Fernando
15:30	Break/Discussion	
15:40	Early Career, Gender & Diversity at LHCb	KOSTIUK, Igor
16:05	Equal opportunity in INFN	BADALA', Angela

Beyond the Standard Model - Room 10 (Magenta B) (14:30 - 16:30)

-Conveners: Michal Malinsky; Antonio Sidoti

time	title	presenter
14:30	Shedding light into the muon g-2 puzzle using a muon beam	MOLINA BUENO, Laura
14:45	Semileptonic tau decays beyond the Standard Model	DÍAZ CALDERÓN, David
15:00	Laser spectroscopy of long-lived antiprotonic and pionic helium atoms at CERN and PSI	HORI, Masaki
15:15	Nucleon decay search with DUNE	KOERNER, Lisa
15:30	High precision searches for baryon number violation via neutron conversions at the European Spallation Source	SANTORO, Valentina
15:45	Testing CPT symmetry in ortho-positronium decays with J-PET detector	GAJOS, Aleksander
16:00	Constraints on Lorentz and CPT violation in the quark sector using ZEUS data	SHERRILL, Nathaniel
16:15	WrapUp	

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

-Conveners: Mogens Dam; Felix Sefkow

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

Dark Matter - Room 11 (Magenta A) (14:30 - 16:30)

-Conveners: koun choi

time	title	presenter
14:30	Multi-messenger constraints on the dark matter interpretation of the Fermi-LAT Galactic center excess	DI MAURO, Mattia
14:50	Search for Gamma-ray Spectral Line emission from Dark Matter Annihilation up to 100 TeV towards the Galactic Centre with MAGIC	INADA, Tomohiro
15:10	Towards Understanding the Origin of Cosmic-Ray Positrons	KRASNOPEVTSEV, Dimitrii
15:30	Antiproton Flux and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS	CHOU, Hsin-Yi
15:50	Search for dark matter signatures in ANTARES neutrino data	GOZZINI, Sara Rebecca
16:10	dark matter searches in the centre of the Milky Way with IceCube	IOVINE, Nadège

Neutrino Physics - Room 2 (Italia) (14:30 - 16:30)**-Conveners: Laura Patrizii**

time	title	presenter
14:30	Daya Bay oscillation results with full dataset	VOROBEL, Vit
14:45	Reactor antineutrino measurement at Daya Bay	HU, Jianrun
15:00	Reactor antineutrino anomaly in light of recent flux model refinements	XIN, Zhao
15:15	JUNO's physics prospects	CHENG, Jie
15:30	The JUNO detector: design concept and status	RE, Alessandra Carlotta
15:45	Research and Development Studies for Reactor Neutrino Experiments in Turkey (RNET)	BAT, Ayşe
16:00	QED nuclear medium effects in neutrino-nucleus and electron-nucleus scattering	TOMALAK, Oleksandr
16:15	Absolute neutrino mass as the missing link to the dark sector	DE BOER, Thede

Heavy Ions - Room 3 (Verde) (14:30 - 16:30)**-Conveners: Yen-Jie Lee**

time	title	presenter
14:30	Hard probes in heavy ion collisions with CMS	TATAR, Kaya
14:45	Exploring jet interactions in the quark-gluon plasma using jet substructure measurements in Pb-Pb collisions with ALICE	EHLERS, Raymond
15:05	Jet acoplanarity through hadron+jet measurements in Pb-Pb collisions with ALICE	HOU, Yongzhen
15:20	Measurements of jet yield and acoplanarity using semi-inclusive γ_{dir} +jet and π^0 +jet distributions in p + p and central Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV by STAR	ANDERSON, Derek
15:40	Are Jets Narrowed or Broadened in e+A SIDIS?	HOROWITZ, William
15:55	Detection of medium induced parton momentum broadening using photon-tagged jets with the CMS detector	TAYLOR, Molly

Computing and Data handling - Room 12 (Celeste) (14:30 - 16:30)**-Conveners: James Letts; Daniele Bonacorsi**

time	title	presenter
14:30	Accelerating Machine Learning inference using FPGAs: the PYNQ framework tested on an AWS EC2 F1 Instance	LORUSSO, Marco
14:45	Machine Learning for Real-Time Processing of ATLAS Liquid Argon Calorimeter Signals with FPGAs	FRITZSCHE, Nick
15:00	Hough transform implementation on FPGA for event filtering of HL-LHC	TODOME, Kazuki
15:15	Unsupervised learning for real-time SUEP detection in a High Level Trigger system at the LHC	CHHIBRA, Simranjit Singh
15:30	Event Filter Tracking for the Upgrade of the ATLAS Trigger and Data Acquisition System	CAVALIERE, Viviana
15:45	The High-Level Trigger for the CMS Phase-2 Upgrade	TOMEI FERNANDEZ, Thiago Rafael
16:00	Triggerless data acquisition system for the AMBER experiment	ZEMKO, Martin

Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (14:30 - 16:30)**-Conveners: Petra Merkel; Felix Reidt; Tiziano Camporesi**

time	title	presenter
14:30	Precision luminosity measurement with proton-proton collisions at the CMS experiment in Run 2	GIRALDI, Angela
14:50	High-precision luminosity instrumentation for the CMS detector at the HL-LHC	BAKHSHIANSOHI, Hamed
15:10	Luminosity determination in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	SBRIZZI, Antonio
15:30	LUCID-3: the upgrade of the ATLAS Luminosity detector for High Luminosity LHC	HEDBERG, Vincent
15:50	Luminosity at LHCb in Run 3	GRAVERINI, Elena
16:10	Luminosity determination in ALICE at the LHC	CORTESE, Pietro

Higgs Physics - Room 5 (Aorio) (14:30 - 16:30)**-Conveners: Sylvie Braibant; Yuji Enari**

time	title	presenter
14:30	Precise Higgs mass measurements and cross section measurements at the FCC-ee	BERNARDI, Gregorio
14:45	Higgs physics at the FCC: the stunning complementarity between ee and pp	SELVAGGI, Michele
15:00	New Higgs Physics with the LHeC and FCC-he	KLEIN, Uta
15:15	Higgs Physics at Muon Collider with detailed detector simulation	SESTINI, Lorenzo
15:30	Precision test of the muon-Higgs coupling at a high-energy muon collider	REUTER, Jürgen
15:45	Impact of Advances in Detector Techniques on Higgs Measurements at Future Higgs Factories	EINHAUS, Uli
16:00	Highlights of the Higgs precision program at ILC	BOZOVIC JELISAVCIC, Ivanka
16:15	Determination of CPV Higgs mixing angle in ZZ-fusion at 1.4 TeV CLIC	VUKASINOVIC, Natasa

Quark and Lepton Flavour Physics - Room 9 (Indaco) (17:00 - 19:00)

time	title	presenter
17:00	Modified HQET power counting for constrained second-order power corrections in $B \rightarrow D^{(*)} \ell \bar{\nu}$: $R(D^{(*)})$, $ V_{cb} $ and New Physics	PRIM, Markus
17:17	Angular analysis of $B \rightarrow D^{(*)} \ell \bar{\nu}$ with hadronic tagging at BABAR.	DEY, Biplab
17:34	Recent Belle II results on semileptonic decays and tests of lepton-flavor universality	JUNKERKALEFELD, Henrik
17:51	A Monte Carlo event generator for new physics in $\bar{B} \rightarrow D^{*+} \ell \bar{\nu} \ell$	MUKHERJEE, Lopamudra
18:08	Exclusive $b \rightarrow c \ell \bar{\nu}$ transitions in and beyond the Standard Model	BECIREVIC, Damir
18:25	Beauty hadron semileptonic decays in the Standard Model and beyond	LOPARCO, Francesco
18:42	Inclusive $ V_{cb} $ from q^2 moments of $B \rightarrow X_c \ell \bar{\nu}$ decays	WELSCH, Max

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

-Conveners: Daniela Daniela Bortoletto; Cornelia Wunderer

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

Computing and Data handling - Room 12 (Celeste) (17:00 - 19:00)

-Conveners: Frank Gaede; Daniele Bonacorsi

time	title	presenter
17:00	Simpler, faster analysis with modern ROOT	GUIRAUD, Enrico
17:15	SOFIE: C++ Code Generation for Fast Deep Learning Inference	GUIRAUD, Enrico
17:30	New RooFit developments to speed up your analysis	WOLFFS, Zef
17:45	pyhf: a pure-Python statistical fitting library with tensors and automatic differentiation	FEICKERT, Matthew
18:00	Developments in Performance and Portability for MadGraph_aMC@NLO	VALASSI, Andrea
18:15	Applying and optimizing the Exa.TrkX Pipeline on the OpenDataDetector with ACTS	HUTH, Benjamin
18:30	Optimization and Evaluation of Edge Classifying GNNs for Charged Particle Tracking	THAIS, Savannah

Top quark and EW Physics - Room 8 (Blu) (17:00 - 19:00)

-Conveners: Matteo Negrini; Martijn Mulders

time	title	presenter
17:00	Measuring Z boson couplings to bottom quarks at the LHC	PANIZZO, Giancarlo
17:15	Mixed QCD-electroweak corrections to the Drell-Yan process in the high invariant mass region	SIGNORILE-SIGNORILE, Chiara
17:30	LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions	YAP, Yee Chinn
17:45	Quark production in high energy electron positron collisions: from strange to top	OKUGAWA, Yuichi
18:00	Initial state QED radiation at next-to-leading logarithmic accuracy for future e^+e^- colliders	STAGNITTO, Giovanni
18:15	Measurement of Beam Polarization at an e^+e^- B -Factory with New Tau Polarimetry Technique	MILLER, Caleb
18:30	Top and EW Physics at the LHeC and FCC-he	BRITZGER, Daniel

Dark Matter - Room 11 (Magenta A) (17:00 - 19:00)

-Conveners: koun choi

time	title	presenter
17:00	In Search of Cosmic-Ray Antinuclei from Dark Matter with the GAPS Experiment	XIAO, Mengjiao
17:20	The dark side of ALICE: from antinuclei interactions to dark matter searches in space	COLOCCI, Manuel
17:40	Re-Analysis of 3.5 keV line	PARK, Yujin
18:00	Signatures of leptophilic t-channel dark matter from active galactic nuclei	CERMEÑO GAVILÁN, Marina
18:20	Capture of DM in Compact Stars	BUSONI, Giorgio
18:40	Indirect search for sub-GeV dark matter with neutrino telescopes	OKAWA, Shohei

Heavy Ions - Room 3 (Verde) (17:00 - 19:00)

-Conveners: Giulia Manca

time	title	presenter
17:00	Flow measurements in heavy ion collisions with CMS	TUO, Shengquan
17:15	Measurement of collective dynamics in pp, Xe+Xe, and Pb+Pb collisions with the ATLAS detector	BOLD, Tomasz
17:35	New advancements in symmetry plane correlations and multiharmonic fluctuations in heavy-ion collisions with ALICE	LESCH, Marcel
17:50	Studies of low- q_T phenomena and collectivity with the LHCb detector	SUN, Jiayin
18:10	Non-identical particle femtoscopy in Pb-Pb collisions at 5.02 TeV with ALICE	CHAKRABORTY, Pritam
18:25	Recent results on femtosopic correlations with the CMS experiment	BERNARDES, Cesar Augusto

Strong interactions and Hadron Physics - Room 1 (Europa Auditorium) (17:00 - 19:05)

-Conveners: Giovanni Abbiendi; Alice Ohlson

time	title	presenter
17:00	Adding quark spin effects to Pythia string fragmentation	KERBIZI, Albi
17:15	A PYTHIA-8 underlying event tune from RHIC to the LHC	MOONEY, Isaac
17:30	Underlying event measurements at ATLAS	HIRSCHBÜHL, Dominic
17:45	Beauty production in small systems with ALICE at the LHC	DEMMICH, Katharina
18:00	Forward production of charm and bottom dijets with off-shell partons	SZCZUREK, Antoni
18:15	ATLAS results on charmonium and B meson production and decays	BONA, Marcella
18:35	Ground and excited quarkonium states as probes of MPI in small systems with ALICE	TORK, Theraa
18:50	Inclusive photoproduction of quarkonium pairs at the US EIC	SANGEM, Rajesh

Operation, Performance and Upgrade (Incl. HL-LHC) of Present Detectors - Room 6 (Bianca) (17:00 - 19:00)

-Conveners: Felix Reidt; Petra Merkel; Tiziano Camporesi

time	title	presenter
17:00	Reconstruction and physics opportunities of long-lived particles decaying downstream of the LHCb magnet	RUIZ VIDAL, Joan
17:20	Jet Energy Scale and Resolution measurements in CMS	AGARWA, Garvita
17:40	Hadronic Reconstruction with the ATLAS Detector at the LHC	DELSART, Pierre-Antoine
18:00	High Precision Electron and Muon Reconstruction Performance with ATLAS at LHC Run-2	HE, Fudong
18:20	Recent Developments in ATLAS Flavor Tagging: Algorithm and Calibration	CHISHOLM, Andrew
18:40	CMS Tracker Alignment activities during LHC Long Shutdown 2	CONSUEGRA RODRIGUEZ, Sandra

Beyond the Standard Model - Room 10 (Magenta B) (17:00 - 19:00)

-Conveners: Lesya Shchutska; John Conway

time	title	presenter
17:00	Searches for resonances decaying to pairs of Higgs boson in ATLAS	SHI, Liaoshan
17:15	Searches for resonances decaying to bosons in leptonic final states in ATLAS	KORN, Andreas
17:30	Searches for heavy resonances decaying into Z, W and Higgs bosons at CMS	CRISTINA ANA, Mantilla Suarez
17:45	Experimental signals for a heavy scalar resonance in the ATLAS 4-lepton data	CONSOLI, Maurizio
18:00	Searches for boosted resonances in hadronic final states in the ATLAS experiment	KAR, Deepak
18:15	Probing doubly charged scalar bosons from the doublet at hadron colliders	ENOMOTO, Kazuki
18:30	Constraining 3-3-1 Models at the LHC and Future Hadron Colliders	SÁNCHEZ VILLAMIZAR, Yoxara
18:45	WrapUp	

Neutrino Physics - Room 2 (Italia) (17:00 - 19:00)

-Conveners: Matteo Tenti

time	title	presenter
17:00	Studies of Coherency Effects in Neutrino-Nucleus Elastic Scattering at Reactors	SHARMA, Vivek
17:15	CEvNS and BSM physics within the reactor neutrino experiment CONUS	SÁNCHEZ GARCÍA, Edgar
17:30	NUCLEUS: cryogenic calorimeters to detect coherent nuclear scattering of reactor antineutrinos	CERULLI, Riccardo
17:45	Coherent elastic neutrino-nucleus scattering in argon with a scintillating bubble chamber	VAZQUEZ-JAUREGUI, Eric
18:00	EFT analysis of CE ν NS data	BRESÓ, Víctor
18:15	CE ν NS with Photon Emission as Smoking Gun Signal of New Physics	HARZ, Julia
18:30	The search for coherent elastic neutrino-atom scattering and neutrino magnetic moment	STUDENIKIN, Alexander
18:45	Suppression of quasielastic electron scattering cross sections at small momentum transfers	BODEK, Arie

Equality, Diversity and Inclusion - Room 7 (Gialla) (17:00 - 19:00)

-Conveners: Isabella Garzia; Tomas Brage; Meytal Eran Jona

time	title	presenter
17:00	Diversity and Inclusion in the CMS collaboration	ORIMOTO, Toyoko
17:25	Gender mentoring inside INFN: a transformative path towards inclusion and equity in the research	PELLIZZONI, Sabina
17:50	Break/Discussion	
17:55	Discussion - what do we learn from the current situation	

Higgs Physics - Room 5 (Aorio) (17:00 - 19:00)

-Conveners: Fabio Maltoni; Sylvie Braibant

time	title	presenter
17:00	Precision calculations for Higgs Physics	TANCREDI, Lorenzo
17:30	Theoretical progress for Higgs-boson production via vector-boson fusion	CHEN, Xuan
18:00	Strange quark as a probe for new physics in the Higgs sector	CAIRO, Valentina Maria Martina
18:15	Mixed QCD-electroweak corrections to Higgs plus jet production at the LHC	BONETTI, Marco
18:30	Higgs alignment and the top quark	LANE, Kenneth

Poster Session (19:05 - 20:30)

title	presenter	board
Search for Dark Matter produced in association with a Standard Model Higgs boson decaying to b-quarks using the full Run 2 collision data with the ATLAS detector	GHOSH, Anindya	
A Search of Dark Tridents Using the MicroBooNE Detector	MORA, Luis	
Low Radioactive Material Screening and Background Estimation for the PandaX-4T Experiment	WU, Mengmeng	
Searching for Dark Matter in top quark production with the CMS experiment	STAFFORD, Dominic	
$B \rightarrow K^{(*)} \nu \bar{\nu}$ in the Standard Model and beyond	PIAZZA, Gioacchino	
Recent results on single top productions in CMS	SOTO RODRIGUEZ, Alejandro	
Measurement of the top quark pole mass using $t\bar{t} + \text{jet}$ events in the dilepton final state at 13 TeV	WUCHTERL, Sebastian	
Electromagnetic dipole moments of the τ -lepton at the ILC and CLIC	HERNÁNDEZ-RUIZ, María A.	
D-meson average production analysis as a function of multiplicity in pp collisions at $\sqrt{s} = 13$ TeV with ALICE at the LHC	GIACALONE, Marco	
Mass spectra and radiative decays of single charm baryons in the hyperspherical approach	TAVAKOLINEZHAD, Asadolah	
ATLAS-ITk Pixel Module Loading techniques for HL-LHC	STEWART, Joshua	
Expected tracking and related performance with the future ATLAS Inner Tracker at the HL-LHC	EL GHAZALI, Yassine	
New ATLAS b-tagging algorithm for Run 3	TANASINI, Martino	
Search for a new gauge boson Z' in 4μ events with the ATLAS experiment	YANG, Zhe	
Prospects and challenges for dark sectors with heavy fermions	MCGINNIS, Navin	
A Dark Matter WIMP That Can Be Detected and Definitively Identified with Currently Planned Experiments	ALLEN, Roland	
Towards Understanding the Origin of Cosmic-Ray Electrons	ZHANG, cheng	
HE Stratosphere Event of 1975 Revisited: the Difference between the Patterns of Astroparticle Interaction and LHC Nucleus-Nucleus Collision.	PISKOUNOVA, Olga	
Experiment for direct measurements of short-lived particle dipole moments at LHC	TONANI, Giorgia	
Daya Bay neutrino oscillation results based on neutron captured on Hydrogen	XU, Tong	
High-energy reactor neutrino flux measurement at Daya Bay	HUANG, Yongbo	
Status of Neutrino Elastic-scattering Observation with NaI(Tl) experiment (NEON)	PARK, byungju	
Not a jet all the way - a search for semi-visible jets in t-channel production mode with ATLAS Run-2 data	SINHA, Sukanya	
Pre-launch optical verification of the Euclid mission NISP Instrument	GABARRA, Louis	
Neutrinos from captured dark matter annihilation in a galactic population of neutron stars	BOSE, Debajit	
Single-differential top quark pair production cross sections with running mass schemes at NLO	MÄKELÄ, Toni	
Machine learning approaches for parameter reweighting for MC samples of top quark production in CMS	GUGLIELMI, Valentina	
Search for new physics in rare heavy-flavor decays at CMS	ARUTA, Caterina	
Strong decay widths and mass spectra of charmed baryons	RAMIREZ MORALES, Andres	
Sensitivity estimates on anomalous couplings of the tau-lepton in pp, e-p and e-e+ colliders	GUTIERREZ-RODRIGUEZ, Alejandro	
Ultra-High Energy Proton-Proton Collision in the Laboratory System as the Source of Proton, Neutrino and Gamma Spectra in Space	PISKOUNOVA, Olga	
LCDAs of heavy hadrons and their first inverse moments	SHUKHTINA, Alisa	
Identical-particle (pion and kaon) femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with Therminator 2 modeled with (3+1)D viscous hydrodynamics	CHAKRABORTY, Pritam	
Multiplicity-dependent study of $\Lambda(1520)$ resonance production in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV with ALICE	PADHAN, Sonali	

Higher-order QCD corrections to the Higgs decay into bottom quarks from Padé approximants	LONDON, Cristiane Yumi	
Investigating strangeness production in pp collisions as a function of charged-particle multiplicity and effective energy with ALICE	ERCOLESSI, Francesca	
Charged particle pseudorapidity density in proton-proton collisions at $\sqrt{s} = 900$ GeV with the ALICE MFT	HERRMANN, Sarah	
Invertor - Program to compute exact inversion of large matrices	R, Thiru Senthil	
Search for magnetic monopoles with diphoton events at the LHC	MUSUMECI, Emanuela	
FASER Tracker Detector - Commissioning, Installation, and Functionality	SHIVELY, Savannah	
Abstract of ICHEP 2022 for "Muon Modulation Study"	MA, Bangzheng	
The Heavy Flavor Production Fraction Reweighting Procedure in ATLAS	KALAITZIDOU, Ilia	
Black holes and nilmanifolds: quasinormal modes as fingerprints of extra-dimensions	CHRYSOSTOMOU, Anna	
A Narrow Mass Window Search for the Axion/ALP Field	BUKHARI, Masroor	
HIGH-MOUNTAIN BURST DETECTOR FOR STUDYING THE CORES OF EXTENSIVE AIR SHOWERS	YEREZHEP, Nurzhan	
Linac-200: a new electron test beam facility	TRIFONOV, Aleksei	
ATLAS Inner Detector alignment towards Run 3	CHITISHVILI, Mariam	
g to bb Rejection for the b-jet Triggers at ATLAS Poster Abstract	CHEN, Maggie	
Measurement of the b-tagging efficiency using multijet events in ATLAS	LAWRENCE, Zak	
Calibration of the light jet mistag rate of the ATLAS b-tagger using Z + jets events	PEREIRA SÁNCHEZ, Laura	
Module developments for the ATLAS-ITk pixel detector	CUNNINGHAM, Liam	
The Particle Flow Algorithm in the Phase II Upgrade of the CMS Level-1 Trigger	CHAMBERS, Aidan	
Design and optimization of the KAPAE phase II detector for searching of positronium invisible decay	JEONG, Dongwoo	
Performance of the trigger-veto detector for Korea Experiments on Magnetic Monopole	KIM, Bobae	
Two New Developments on the Statistical Treatment of Flavour Tagging Uncertainties in ATLAS	LUISE, ilaria	
Demonstrator system for the high-luminosity upgrade of the ATLAS hadronic Tile Calorimeter	TSOTSKOLAURI, Pavle	
The CMS Inner Tracker Endcap Pixel Upgrade	LIECHTI, Sascha	
The Mu2e experiment at Fermilab: TDAQ and slow control production systems installation	GIOIOSA, Antonio	
A Novel Algorithm to Reconstruct Events in a Water Cherenkov Detector	YANAGISAWA, Chiaki	
Prototype of a cloud native solution of Machine Learning as Service for HEP	GIOMMI, Luca	
Strategies of a WLCG Tier-2 site to meet the challenge of ever growing demands on delivery of computing resources	CHUDOBA, Jiří	
AxeLatoon — Let's Build an Accelerator at School!	TAKAHASHI, Shota	
GWitchHunters – A citizen science project for the improvement of gravitational wave detectors	DI RENZO, Francesco	
Implementation of a Portal Dedicated to Higgs Bosons for Experts and the General Public	SOPCZAK, Andre	
The search for New Particles at CERN on the Zooniverse citizen science platform	ANGELIDAKIS, Stylianos	
Cosmic Muon Images: REINFORCE muon tomography citizen science demonstrator	AVGITAS, Theodore	
Search for long-lived particles in events with a displaced vertex using the ATLAS detector with the full Run2 dataset	WAKIDA, Moe	
Search for Heavy (pseudo)Higgs boson A/H produced in association with a top-antitop quark pair leading to the final state with four top quarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	TSAI, Meng-Ju	
Sensitivity study for proton decay via $p \rightarrow e^+ \pi^0 \pi^0$ and $p \rightarrow \mu^+ \pi^0 \pi^0$ in the Super-Kamiokande Detector	SEO, Ji-Woong	
Charged-particle production as a function of R_{T} in pp, p-Pb and Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV with ALICE at the LHC	TRIPATHY, Sushanta	
Probing the hadronic phase of large hadronizing system through the study of the $\Lambda(1520)$ resonance with ALICE at the LHC	AGRAWAL, Neelima	
Hadronic resonance production in small collision systems with ALICE at the LHC	ROSANO, Antonina	
Transverse Sphericity and Multiplicity Dependence of R_{T} and P_{T} Correlation Functions in pp Collisions at $\sqrt{s} = 7$ TeV Using PYTHIA8	SAHOO, Baidyanath	
Measurement of $R_{\text{T}}(\Delta\eta, \Delta\varphi)$ and $P_{\text{T}}(\Delta\eta, \Delta\varphi)$ correlation functions in pp collisions at $\sqrt{s} = 13$ TeV using ALICE data	SAHOO, Baidyanath	
Measurement of the Higgs boson mass in the $H \rightarrow ZZ \rightarrow 4l$ channel with the full Run 2 dataset.	YAN, Siyuan	
Inclusive search for a boosted Higgs boson and observation of the Z boson decaying to charm quarks with the CMS experiment	NOVAK, Andrzej	
Search for non-resonant Higgs bosons pairs production in the bbtatau final state at CMS	ZUOLO, Davide	
Search for non-resonant di-Higgs production in the bbbb final state at 13 TeV with the ATLAS experiment	HAYASHIDA, Shota	
Study of HH production at the High-Luminosity LHC with CMS	DONERTAS, Suat	
Search for Resonant and Non-Resonant VHH Production	KYRIACOU, Nicholas	
Search for the Higgs boson decaying to a pair of muons in pp collisions at 13 TeV with the ATLAS detector	CHAN, Jay	
Searches for exclusive Higgs and Z boson decays into a vector quarkonium state and a photon with the ATLAS experiment	WARD, Robert	
Projected sensitivity of Higgs boson pair production combining the bbyy and bbtatau decay channels at the HL-LHC with the ATLAS detector	JANNICKE ANDREE , Pearkes	
Fiducial and differential cross-section measurements in the di-photon channel using full Run2 dataset at ATLAS	LUCIO ALVES, Fabio	
Search for resonant and non-resonant Higgs boson pair production in the bbtatau decay channel using 13 TeV pp collision data from the ATLAS detector	GUHIT, Jem	
Between even and odd: probing the CP nature of the Higgs-top Yukawa coupling	CARVALHO, Ana Luisa	

Virtual QCD Corrections to $gg \rightarrow ZH$ via a Transverse Momentum Expansion	VITTI, Marco	
Measurement prospects for di-Higgs production in the HH to bby channel with the ATLAS experiment at the HL-LHC	WANG, Alex	
Global fit of the Higgs and the Electroweak sector with the ATLAS experiment	BALASUBRAMANIAN, Rahul	
GPU-accelerated Bayesian method for waveform analysis	WANG, Yuyi	
Simulated performance of a multi-purpose experiment at a Muon Collider	SALVINI, Paola	
Study of output spectrum and optimization of the composition of toluene-based liquid scintillator	BEZNOSKO, Dmitriy	
Overall status of 20-inch PMT Instrumentation for the JUNO Experiment	QIN, Zhonghua	
Reconstruction of atmospheric neutrino events at JUNO	WIRTH, Rosmarie	
Daya Bay neutrino oscillation results with full dataset	YU, Hongzhao	
Calibration Strategy of the JUNO Experiment	MENG, Yue	
The Veto System of the JUNO Experiment	BAUSSAN, Eric	
New 2-ring ν_e CC1 π^+ samples at the T2K Far Detector	S. PRABHU, Yashwanth	
Calibration of the LEGEND-200 experiment	MUELLER, Yannick	
JUNO Atmospheric Neutrino Mass Ordering Sensitivity	ZHANG, Jinnan	
Upgrade of the DANSS detector of reactor antineutrino	SKROBOVA, Nataliya	
The SAND detector at the DUNE near site	INGRATTA, Gianfranco	
Matter polarization effect on neutrino spin oscillations	GRIGORIEV, Alexander	
Quantum decoherence of neutrino mass states	STANKEVICH, Konstantin	
Muon flux and muon-induced neutron yield measurement at China Jinping underground laboratory	BIN, ZHANG	
Direction reconstruction of atmospheric neutrinos in JUNO with machine learning method	LIU, Zhen	
Mantle insights from KamLAND and Borexino results	RICCARDO, Triozzi	
Neutrino propagation in moving and polarized matter	STUDENIKIN, Alexander	
Search for Environmentally-Induced Decoherence Effects on ν -oscillation at Long-baseline Experiments	SARKER, Arnab	
Characterization of JUNO Large-PMT electronics in a complete small scale test setup	CERRONE, Vanessa	
Evaluation of neutron tagging efficiency for SK-Gd experiment	HARADA, Masayuki	
Selection of multi-ring charged current ν_μ CC1 π^+ samples and estimation of detector systematic uncertainties at T2K far detector	SANDHYA MOHAN, Lakshmi	
Tau Neutrino Appearance in the Flux of Atmospheric Neutrinos at the Super-Kamiokande Experiment	MANDAL, Maitrayee	
Constraining cross-section and flux uncertainty in T2K using Markov Chain Monte Carlo	SKWARCZYNSKI, Kamil	
Search For Electron-Antineutrinos Associated With Gravitational-Wave Events GW150914, GW151012, GW151226, GW170104, GW170608, GW170814, and GW170817 at Daya Bay	CHEN, Huiyou	
Vertex reconstruction in JUNO-TAO using Deep Learning	THARA HARIHARAN, Vidhya	
Kaon production in the charged-current neutrino interactions in the T2K experiment	KOWALIK, Katarzyna	
Mass testing of Large-PMT electronics at Kunshan for the JUNO experiment	TRIOZZI, Riccardo	
Phenomenological aspects of A_5 modular symmetry on linear seesaw with leptogenesis	BEHERA, Mitesh Kumar	
A pure probabilistic approach to event reconstruction at JUNO	LIU, Xuewei	
Oscillations of Majorana neutrinos in supernova and CP violation	POPOV, Artem	
Prospects for Detecting the Diffuse Supernova Neutrino Background with JUNO	ZHANG, Yiyu	
Searches of small mass WIMPs at PandaX experiment	ZHOU, Ning	
Dark Matter Decay to Neutrinos	DELGADO, Diyaselis	
Multicritical Point Principle and Its Phenomenology	YAGYU, Kei	
The SABRE South experiment at the Stawell Underground Physics Laboratory	MEWS, Michael	
Directionality for nuclear recoils in a liquid argon Time Projection Chamber	CESARANO, Raoul	
Event characterization of dark bosons via exotic Higgs decays with final states of displaced dimuons in high luminosity era of the LHC	ELKAFRAWY, Tamer	
First direct detection constraints on Planck-scale mass dark matter in DEAP-3600	LAI, Michela	
Coalescence afterburner for antinuclei production in hadronic collisions with input from PYTHIA8	DI MAURO, Mattia	
Testing quantum photosensors for the BREAD experiment	DONA, Kristin	
Study of cosmic antideuterons with the Alpha Magnetic Spectrometer on the ISS	LU, Senquan	
Annual modulation from COSINE-100 data using DAMA/LIBRA's analysis technique	PRIHTIADI, Hafizh	
SWSM phenomenology	TROCSANYI, Zoltan	
The Discovery Power of Future Neutrinoless Double Beta Decay Experiments	ETTENGRUBER, Manuel	
Required Exposure and Background Levels in the Searches of Neutrinoless Double β Decay	SINGH, Manoj Kumar	
Sterile Neutrino and Dipole Portal Explanations of the MiniBooNE Excess	KAMP, Nicholas	
Hadron-argon Cross Section Measurements in ProtoDUNE	LIAO, Heng-Ye	
Neutrino Phenomenology and Leptogenesis in type-III Seesaw under A_4 Modular symmetry	MISHRA, Priya	
Non-unitary Leptonic Flavor Mixing and CP Violation in Neutrino-antineutrino Oscillations	WANG, Yilin	

CRAB: Calibration of bolometers for nuclear recoils at the 100 eV scale using neutron capture	SOUM, Gabrielle	
Overview of neutrino electromagnetic properties	STUDENIKIN, Alexander	
Neutrino phenomenology, $(g-2)_{\mu, e}$ with $U(1)$ gauge symmetries in inverse seesaw framework	PANDA, Papia	
Neutrino oscillation parameter determination at INO-ICAL using track and hit information from GEANT	DATTA, Jaydeep	
Complete one-loop matching of the type-I seesaw model onto the Standard Model effective field theory	ZHANG, Di	
Electromagnetic Energy Reconstruction in ProtoDUNE	RAFIQUE, Aleena	
Neutrinoless double beta decay in the type-I seesaw model	LI, Yufeng	
Constraining the Gauged $U(1)_{L-\mu-L-\tau}$ Model by Supernova Neutrino Observation	LEUNG, Chun Sing Jason	
Background study for Korea Experiments on Magnetic Monopole	HUH, Changgi	
Hitting two BSM particles with one lepton-jet: search for a top partner decaying to a dark photon, resulting in a lepton-jet	SINHA, Sukanya	
Cover all your Bases: Asymptotic Distributions of the Profile Likelihood Ratio in Quadratic Wilson Coefficient Fits	BERNLOCHNER, Florian	
Constraints on lepton-flavor-violating scalar portal using the Belle II result in the search for $e^+ \rightarrow e^+ \mu^+ \mu^-$ with $\mathcal{L} = 276 \text{ fb}^{-1}$	THI TO UYEN, Lam	
Vacuum stability and scalar masses in the superweak extension of the standard model	PÉLI, Zoltán	
The new ODMB for the Phase II upgrade of the CMS endcap muon system	MEI, Hualin	
Probe for Luminosity Measurement at LHCb	SPEDICATO, Eugenia	
Production and quality control of the GEM GE2/1 detector for the upgrade of the CMS endcap muon system	KIM, Mi Ran	
Performance of the ATLAS missing transverse momentum trigger for Run 3	KORTMAN, Bryan	
The new Muon-to-Central-Trigger-Processor Interface at ATLAS	AFIK, Yoav	
Level 1 trigger in the CMS barrel muon chambers during HL-LHC	VICO, Carlos	
The new ATLAS triggers for long-lived particles that leave unconventional signature in the tracking detectors	SIRAL, Ismet	
Radiation-Hard Silicon Strip Sensors for the ATLAS Phase-2 Upgrade	SOLDEVILA SERRANO, Urmila	
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