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| 1       | Bharti Jarwal        | jarwalbharti22@gmail.com      | Magnetic affect in the rotation of Boson star   |
| 2       | Pawan Joshi          | pawanjoshi697@iiserb.ac.in    | Higher derivative theory: Scalar field coupled with curvature term  |
| 3       | Upala Mukhopadhyay   | upala.mukhopadhyay@saha.ac.in | Dark Energy Perturbation and Power Spectrum in Slotheon Model   |
| 4       | Dibyendu Nanda       | dibyendu.nanda@iitg.ac.in     | Fermion Singlet Dark Matter in Scotogenic B - L Model   |
| 5       | Rishav Roshan        | rishav.roshan@iitg.ac.in      | Radiative neutrino mass and asymmetric dark matter  |
| 6       | Priyank Parashari    | priyank.du94@gmail.com        | Status of $\sigma_8$ tension in different Cosmological models   |
| 7       | Tarak Nath Maity     | tarak.maity.physics@gmail.com | Boosting assisted annihilation for a cosmologically safe light dark matter                                    |
| 8       | Sabeeha Naaz         | sabeehanaaz0786@gmail.com     | Direct detection of low mass dark matter at DUNE in beam-dump mode  |
| 9       | Purusottam Ghosh     | pghoshiitg@gmail.com          | Multiparite Dark Matter with Scalar and Fermions, detectability at LHC  |
| 10      | Ashim Roy            | ashim.roy@cern.ch             | Search for Dark Matter in the monophoton + MET final state in proton-proton Collisions at $\sqrt{s} = 13$ TeV |
| 11      | Kalyani Desikan      | kalyanidesikan@vit.ac.in      | Cosmological Models in Lyra Geometry with Time Varying Deceleration Parameter                                 |
| 12      | Sukanta Dutta        | Sukanta.Dutta@gmail.com       | Constraining fermionic Dark Matter in lepton specific 2 HDM + Singlet model                                   |
| 13      | Rajani K.V           | rajanikv10@gmail.com          | Comparative Study of Bulk and Surface Pressure of Charged AdS Black Hole                                      |
| 14      | Avani Patel          | avani@iiserb.ac.in            | Rotating Metric and Frame Dragging Effect in Nonlocal Gravity Model   |
| 15      | Pradeepkumar Yadav   | yadavpradeep878@gmail.com     | Burst of Gravitational Waves as a consequence of Crustquake in Neutron Stars                                  |
| 16      |                      |                               |   |
| 17      | Abhaya Kumar Swain   | tpaks@iacs.res.in             | Searching for U1 Leptoquark with noble collider observables at the LHC  |
| 18      | Raman Khurana        | raman.khurana@cern.ch         | Search for dark matter produced in association with bottom quarks at 13 TeV with CMS detector                 |
| 19      | Atri Dey             | atridey@hri.res.in            | Extended Scalar sectors, effective operators and observed data  |
| 20      | Selvaganapathy J. S. | jselva@prl.res.in             | Inferring the covariant $\Theta$ -exact noncommutative coupling in the top quark pair production at ILC       |
| 21      | Mohan Akhila         | mohan.akhila90@gmail.com      | EXTENDED SUPERSYMMETRY IN LIFSHITZ SPACETIME  |
| 22      | Sayan Dasgupta       | sayandg05@gmail.com           | Impact of a coloured vector resonances on the collider constraints on top partners                            |
| 23      | Monoranjan Guchait   | guchait@tifr.res.in           | Probing Heavy Charged Higgs Boson at the LHC  |
| 24      | Subhasmita Mishra    | subhasmita.mishra92@gmail.com | Exploring the KeV scale Dark Matter in S3 extended Standard Model   |
| 25      | Imtiyaz Ahmad Bhat   | immy.salam@gmail.com          | Dark matter Scenerio in a U(1) Gauge Model within Bounds from New Results of ATLAS and CMS                    |
| 26      | Geetanjali Chaudhary | geetanjali.chaudhary@cern.ch  | Same Sign WW studies using EFT at LHC   |
| 27      | A S Vytheeswaran     | asvythee@gmail.com            | Projection Operators in Second Class Constrained Systems  |
| 28      | P. Maji              | majipriya@gmail.com           | Effect of non-universal Z-prime Boson on B to K*tau+ tau- Decay   |
| 29      | Surabhi Gupta        | surabhigupta426@gmail.com     | An information theoretic analysis of the constrained MSSM   |
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| 31      | Sovan Ghosh          | gsovan@gmail.com              | Cosmological Constant and Alpha Quantization  |
| 32      | Dheeraj Kumar Mishra | dkmishra@imsc.res.in          | On modification of phase space measure in theory with invariant Planck scale as an ultraviolet cut-off        |
| 33      | Satvir Kaur          | satvirkaur578@gmail.com       | Study of form factors of vector meson in light-cone quark model   |
| 34      | Navdeep Kaur         | nkmangat91@gmail.com          | Wigner distributions of an electron in simulated QED model  |
| 35      | K Arjun              | arjunk_dop@uoc.ac.in          | Running of Coupling Constant in lambda Phi 4 theory using Finite Temperature Field Theory                     |
| 36      | Ahmed Rizwan C.L.    | ahmedrizwancl@gmail.com       | Thermodynamic Geometry of Regular Black Hole Surrounded by Quintessence                                       |
| 37      | Sunil Kumar          | saroaha.sk@gmail.com          | Q-PET: PET with 3rd Eye Quantum Entanglement based Positron Emission Tomography                               |
| 38      |                      |                               |   |
| 39      | Muhammad Alibordi    | alibordi@physics.iitm.ac.in   | Study of exclusion region for collider signature in heavy vector resonance decays                             |

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| 40 | Krishnakumar Ravindran | ravindran.krishnakumar@gmail.com | Measurement of strong phase difference between D0 and D0→KS0K+K- using quantum correlated decays at BESIII   |
| 41 | Sandeep Kaur           | Sandeep.hep@gmail.com            | W/Z Boson Production in association with Jets at 13 TeV  |
| 42 | P. Nayek               | mom.nayek@gmail.com              | Effect of FCNC mediated Z boson in semileptonic decay Bs to phi mu plus mu minus   |
| 43 | Arnab Purohit          | arnab.purohit@cern.ch            | Precision measurements of the properties of the 125 GeV Higgs boson in diboson decay channels at 13 TeV at CMS   |
| 44 | Apurba Tiwari          | aashi7573@gmail.com              | T-odd correlation effects and top-pair production at the LHC   |
| 45 | Atasi Ray              | atasiray92@gmail.com             | Probing new physics signal in rare decays of baryon  |
| 46 | Suchismita Sahoo       | suchismita8792@gmail.com         | Testing lepton nonuniversality in $b \rightarrow c\ell\bar{\nu}$ decay modes   |
| 47 | Mr. Brij Jashal.       | brij.jashal@gmail.com            | Standard Model Physics under electroweak, Flavour Physics  |
| 48 | Manish Kumar           | kavita.phy@mnit.ac.in            | Measurement of the CKM angle phi3 using B->DK with Belle II  |
| 49 | Sanjeev Kumar          | sjvtifr@gmail.com                | Search for the decay Bs to J/psi + f2' (1525) in CMS   |
| 50 |                        |                                  |  |
| 51 | Dipyaman Pramanik      | dipyamanpramanik@hri.res.in      | Invisible neutrino decay in the light of NOvA and T2K data   |
| 52 | Surender Verma         | s_7verma@yahoo.co.in             | Implications of Non-unitarity on $\theta_{23}$ , Neutrino mass hierarchy and CP-Violation discovery reach in neutrino oscillation experiments                                    |
| 53 | Soumya C               | soumyac20@gmail.com              | Three flavor effects in Long baseline neutrino oscillation experiment  |
| 54 | Biswajit Karmakar      | biswajit@prl.res.in              | Seesaw Mechanisms for Dirac Neutrinos  |
| 55 | Nitin Yadav            | y.nitin@iitg.ernet.in            | Role of Cosmogenic EM Shower in a Neutrino Oscillation Experiment-NOvA   |
| 56 | Soumya Sadhukhan       | physicsoumya@gmail.com           | IceCube Spectrum: Effects of Neutrino Splitting and Neutrino Absorption  |
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| 58 | Sujata Pandey          | phd1501151007@iiti.ac.in         | Can Ultrahigh Energy Neutrinos disappear in Dark Matter cloud?   |
| 59 | Bhavesh Chauhan        | bhavesh@prl.res.in               | Signatures of Sterile Neutrino at IceCube  |
| 60 | Sabyasachi Chakrabort  | sujoyshil1@gmail.com             | Searching Heavy Sterile Neutrino with Boosted Fatjet at a Lepton Collider  |
| 61 | Anupam Yadav           | yadavanupam975@gmail.com         | Neutrino Oscillations and Leptogenesis   |
| 62 | Pritam Das             | prtmDas9@gmail.com               | Active and sterile neutrino phenomenology with A 4 based minimal extended seesaw   |
| 63 | Mitesh Kumar Behera    | miteshbehera1304@gmail.com       | Light sterile neutrinos from A4 flavour symmetry   |
| 64 | Lakshmi .S. Mohan      | slakshmi@physics.iitm.ac.in      | Sensitivity of INO ICAL to neutrino mass hierarchy and octant of $\theta_{23}$ in the presence of invisible neutrino decay in matter   |
| 65 | Lakshmi .S. Mohan      | ph17ipf06@smail.iitm.ac.in       | The hadron direction reconstruction in INO-ICAL detector   |
| 66 | Moon Moon Devi         | devimm@tezu.ernet.in             | Active-sterile neutrino oscillations at INO-ICAL over a wide range of $\Delta m_{241}$   |
| 67 | Happy Borgohain        | happy@tezu.ernet.in              | Neutrinoless double beta decay and lepton flavour violation in left-right symmetric model with two texture zero  |
| 68 |                        |                                  |  |
| 69 | Kavita Lalwani         | kavita.phy@mnit.ac.in            | Study of the rare decay eta to pi gamma gamma with experimental facility WASA-at- COSY   |
| 70 | Sushanta Tripathy      | Sushanta.tripathy@cern.ch        | Predictions for Transverse Momentum spectra and Elliptic Flow of identified particles in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV using a multi-phase transport model (AMPT) |
| 71 | Debasish Mallick       | debasish.mallick@niser.ac.in     | Measurement of Higher Moments of Net-proton, Net-charge and Net-kaon Distributions at RHIC   |
| 72 | Sudhir Pandurang       | sudhir.pandurang.ode@cern.ch     | Production of electrons from heavy-flavour hadron decays in different collision systems with ALICE at the LHC  |
| 73 | Sudhir Pandurang       | sudhir.pandurang.ode@cern.ch     | Differential elliptic flow of charged hadrons at FAIR and its dependence on the nuclear equation of state  |
| 74 | Anju Dahiya            | dahiyarinku1@gmail.com           | Equation of State (EOS) with a thermal mass and magnetized PNJL model  |
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| 76 | Wadut Shaikh           | wadut.shaikh@cern.ch             | Inclusive Y production in p-Pb collisions at COM 8.16 TeV with ALICE at the LHC  |
| 77 | Sabyasachi Ghosh       | sabyaphy@gmail.com               | Finite system size effect on viscosity   |
| 78 | Sovan Sau              | sovan.sau@gmail.com              | Nucleon diffusion in a muon rich plasma  |

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| 79  | Manu Kurian           | manu.kurian@iitgn.ac.in       | Transport phenomena in the hot magnetized quark-gluon plasma   |
| 80  | Ashik Ikbal Sheikh    | ashik.ikbal.sheikh@cern.ch    | Inclusive beauty(b)-jet production with ALICE at the LHC   |
| 81  | Captain R. Singh      | captainriturajsingh@gmail.com | An Enhanced Production of J/ψ in QGP medium: Regeneration Mechanisms Explored  |
| 82  | Nikhil Hatwar         | nikhil.hatwar@gmail.com       | Open heavy flavor production in hot QCD matter at CERN LHC   |
| 83  | Shah Siddiqah         | shah.siddiqah@gmail.com       | Unintegrated Dipole Gluon Distribution at small Transverse momentum  |
| 84  | Sebastian Koothotl    | seban87@gmail.com             | Self-Consistent Quasi-particle model for Quark Gluon Plasma in the presence of strong magnetic fields                |
| 85  | Nasim                 | nasim@iiserbpr.ac.in          | Directed and elliptic flow of open charm mesons in heavy-ion collisions using a quark coalescence model              |
| 86  | Subhasis Samanta      | subhasis.samant@gmail.com     | Effect of new resonance states on fluctuations and correlations of conserved charges in a hadron resonance gas model |
| 87  | Rajes Kumar           | kumara@nitj.ac.in             | Quark and Gluon Condensates in Strongly Magnetized Nuclear Matter  |
| 88  | Abhisekh Saha         | 17php12@uohyd.ac.in           | Momentum smearing in relativistic heavy ion collisions   |
| 89  | Nazmul Haque          | nhaque@niser.ac.in            | Thermodynamics of a weakly magnetized hot and dense deconfined nuclear matter  |
| 90  | Arpan Das             | arpan@prl.res.in              | Thermoelectric effect and Seebeck coefficient for hot and dense hadronic matter                                      |
| 91  | Prasath J.P.          | prasanthjp36@gmail.com        | Semi-classical Equation of State of Quark-Gluon Plasma using the Cornell potential                                   |
| 92  | Yogesh Kumar          | yogesh.du81@gmail.com         | Equation of state of quark-gluon plasma in non-zero magnetic field   |
| 93  | Hushnud Hushnud       | hushnud.hushnud@cern.ch       | Multi-differential study of J/ψ R AA at forward rapidity in Pb–Pb collisions at $\sqrt{s}$ NN = 5.02 TeV with ALICE  |
| 94  | Nirupam Dutta         | nirupamdu@gmail.com           | Survival of Bottomonium ground state during the cooling phase of QGP   |
| 95  | Meenakshi Sharma      | Meenakshi.Sharma@cern.ch      | Strangeness production in p-Pb collisions at 8.16 TeV  |
| 96  | Deependra Singh Rawat | dsrawatphysics@gmail.com      | Implications of flux tube formulation of dual QCD for thermalization, quark pair creation and QGP                    |
| 97  | Sarita Sahoo          | ssarita.2006@gmail.com        | Enhanced production of multi-strange hadrons in proton-proton collisions   |
| 98  | Nisha Dhiman          | nishdhiman1292@gmail.com      | Analysis of distribution amplitudes and decay constants of $\pi$ and $\rho$ mesons in the light-front quark model    |
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| 100 | Ananta P. Mishra      | apmishra@niser.ac.in          | Rapidity distributions of hadrons in modified Landau hydrodynamical model with transverse expansion                  |
| 101 | Anjali Atri           | anjali@rcf.rhic.bnl.gov       | Event-by-event charge separation in Au+Au collisions at $\sqrt{s}$ NN = 200 GeV using AMPT                           |
| 102 | Dinesh Yadav          | dinoyadav02@rediffmail.com    | Color dielectric nature of dual QCD vacuum and associated parameters   |
| 103 | Bithika Karmakar      | karmakarbithika.93@gmail.com  | General structure of gauge boson propagator and its spectra in a hot magnetized medium                               |
| 104 | Ranbir Singh          | ranbir.singh@niser.ac.in      | Study of freezeout conditions in small systems from particle spectra: flavour and multiplicity dependence            |
| 105 | Arghya Mukherjee      | arbp.phy@gmail.com            | Inverse magnetic catalysis(IMC) in vacuum to nuclear matter phase transition   |
| 106 | Gitesh Sikdar         | gitesh.sikder@gmail.com       | Automated Comparator Calibration of Flash ADC in MUCH- XYTER ASIC for CBM Experiment                                 |
| 107 | Shailesh Pincha       | shailesh.pincha@gmail.com     | Spectroscopy of $\Xi c \Xi c$ di-baryonic and $\Xi c \Xi c$ baryonium states using Yukawa screen-like potential      |
| 108 | Ranjit Nayak          | ranjit.nayak@cern.ch          | Kaon Isospin Fluctuation in Pb-Pb collisions at with ALICE at the LHC $\sqrt{s}$ NN = 2.76 TeV                       |
| 109 | Vineet Kumar          | vineet.salar@gmail.com        | Quarkonia suppression in PbPb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV   |
| 110 | Abhishek Atreya       | atreya.abhi@gmail.com         | Generation of Magnetic Fields Near QCD Transition by Collapsing Z (3) Domains  |
| 111 | Narinder Kumar        | narinder@iitk.ac.in           | Rho Meson Transverse Charge Densities in Light Front Quark Model   |
| 112 | Bishwajit Das         | biswajit.das@iopb.res.in      | EW NLO correction to Wbb and Zbb production at hadron collider   |
| 113 |                       |                               |  |
| 114 | Abinaya               | abinaya808@gmail.com          | RPC-DAQ V3 module for INO's ICAL detector  |
| 115 | A. D. Bhatt           | apoorva.bhatt@tifr.res.in     | Update on muon reconstruction for INO-ICAL   |

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| 116 | Mehulkumar Shiroya       | mehul0113@gmail.com            | Charge measurement of oil-free single gas-gap Bakelite Resistive Plate Chamber   |
| 117 | Shreya Roy               | shreyaroy2509@gmail.com        | A feasibility study to track cosmic ray muons with solid state detectors using GEANT4  |
| 118 | Mitali Mondal            | mitalimondal.phy@gmail.com     | Characterization of a Low Resistive Bakelite Resistive Plate Chamber (RPC) using a sensitive Front End Electronics PADI for CBM Experiment |
| 119 | Soham Bhattacharya       | soham.elessar@gmail.com        | Tau reconstruction at CMS with a focus on high p T taus  |
| 120 | R. Thiru Senthil         | rthirusenthil@gmail.com        | Sensitivity of tau neutrino events to oscillation parameters at the ICAL detector in INO   |
| 121 | Shamik Ghosh             | shamik.ghosh@cern.ch           | Calibration of the CMS Hadron Calorimeter using Isolated Charged Hadrons from proton-proton collision data                                 |
| 122 | Shamik Ghosh             | shamik.ghosh@cern.ch           | A simulation study to distinguish prompt photon from $\pi 0$ and beam halo in a granular calorimeter using deep networks.                  |
| 123 | Pritam Palit             | pritam.palit@cern.ch           | Study of L1 Trigger objects in CMS for Phase-2 Operations  |
| 124 | S Mondal                 | suryamondal@gmail.com          | Muon Multiplicity in 2m * 2m RPC and comparison with CORSIKA simulation  |
| 125 | Shamsul H.Thoker         | shamsulthoker@gmail.com        | Effect of the surface resistivity of electrode coating on the space dispersion of induced charge in Resistive Plate Chambers               |
| 126 | M. Nizam                 | mnizami132@gmail.com           | Study of Multigap Resistive Plate Chambers as a potential candidate for development of a PET device  |
| 127 | Neha Panchal             | neha.dl0525@gmail.com          | SR with mini-ICAL  |
| 128 | A. D. Bhatt              | apoorva.bhatt@tifr.res.in      | Update on muon reconstruction for INO-ICAL   |
| 129 | Moon Moon Devi           | devimm@tezu.ernet.in           | A simulation study on the muon resolution of INO-ICAL in the presence of noise hits  |
| 130 | Abhik Jash               | abhik.jash@niser.ac.in         | Simulation study on feasibility of RPC operation in low gain mode  |
| 131 | Samir Banik              | samir.banik@niser.ac.in        | Geant4 simulation of the energy deposition distribution of Lightly Ionizing Particles  |
| 132 | shyam Kumar              | shyam055119@gmail.com          | Semiconductor Detectors for Future collider Experiments  |
| 133 | Anil Kumar               | anilak41@gmail.com             | Effect of Variation of Surface Resistivity of Graphite layer in RPC  |
| 134 | Elizabeth George         | elizabethgeorge14@gmail.com    | Novel wide band-gap semiconductor devices for detection of ionizing radiation  |
| 135 | Chandrasekhar Ghosh      | c.ghosh@vecc.gov.in            | Testing of 10 X 10 triple GEM detector using STS-XYTER for CBM experiment  |
| 136 | Sagarika Swain           | sagarikaswain.swain2@gmail.com | Measurement of Ion backflow with GEM-based detectors   |
| 137 | Pavan Kumar Vengala      | pavan.v@tifr.res.in            | Database management system for RPC production QC   |
| 138 | Shaikh Sarfaraz Ali      | drssali92@hotmail.com          | CERN-LHC-CMS Experiments   |
| 139 | Shamsul Haque Thoker     | nighatbhat5814@gmail.com       | Effect of the surface resistivity of electrode coating on the space dispersion of induced charge in Resistive Plate Chambers               |
| 140 | Shib Shankar             | sikders@barc.gov.in            | Trigger generation system architecture for INO mini-ICAL system  |
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| 144 | Vijay Iyer               | vijaiyer@niser.ac.in           | Photo-neutron calibration of SuperCDMS detectors   |
| 145 | Puneet Patel             | puneetpatel20@gmail.com        | Future Experiments and Detector Development  |
| 146 | Anita                    | anita.lavania@gmail.com        | KL reconstruction for improved resolution of strong-phase measurement at BESIII  |
| 147 | Saikat Karmakar          | saikat.karmakar@tifr.res.in    | Study of boosted hadronic top tagger in the context of ttH analysis  |
| 148 | Hemant Kumar             | hemant.nit.ec@gmail.com        | Development and testing of Gas mixing unit at University of Delhi  |