

XXV DAE-BRNS High Energy Physics Symposium 2022

Tuesday 13 December 2022

Poster - 2: D2 - LHC Foyer (14:00 - 15:00)

-Conveners: Ambresh Shivaji; Vishal Bhardwaj; Satyajit Jena

[id] title	presenter	board
[178] Jet and missing transverse energy performance at CMS High Level Trigger	Mr VATS, Diwakar	
[355] Characterization of proto-type silicon sensor for CMS detector	VIJAY, Anusree	
[288] Develop and study the Bakelite RPCs using linseed oil coating	Dr KARNAM, Raveendrababu	
[171] Horizon degree of freedom induced from bulk	CHATTERJEE, Ayan	
[184] Two-particle femtoscopic correlation measurements of K^0_S and $\Lambda/\bar{\Lambda}$ particles in PbPb collisions with CMS detector	PRADHAN, Raghunath	
[196] Probing high scale seesaw and PBH generated dark matter via gravitational waves with multiple tilts	JYOTI DAS, Suruj	
[197] Identified hadron production at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 54.4$ GeV at STAR	Mr GOPAL, Krishan	
[205] Magnetic reconnection in cosmic string wakes	Mr KUMAR, DILIP	
[206] Probing the effect of hadron cascade-time on particle production and elliptic flow (v_2) in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV using AMPT model	PRADHAN, Girija Sankar	
[220] Eta meson couplings with low-lying nucleon resonances	SINGH, Janardan	
[223] Theoretical Studies on $d(\vec{\gamma}, \vec{p})n$ at Astrophysical Energies	M, Kusuma	
[225] Background study in $\bar{\nu}_\mu$ -A DIS scattering in MINER ν A Experiment	AKHTER, Sayeed	
[241] Study on the neutrino masses and mixings, baryogenesis and effects of keV-scale sterile neutrino as dark matter	SINGH, Soram Robertson	
[247] Search for Wrong-Sign $D^0 \rightarrow K^+ \pi^- \pi^0$ decay at Belle II.	Ms SHARMA, Chanchal	
[250] Phases of complex SYK from Euclidean wormholes	Mr RATHI, Hemant	
[261] Probing Non-classicality of Primordial Gravitational Waves and Magnetic Field Through Quantum Poincare Sphere	PAL, Sourav	
[262] Medium modification of dijets at LHC energies	Mr PANT, Vipul	
[269] QCD corrections to $H \rightarrow e^+ e^- \mu^+ \mu^-$	KAUR, Mandeep	
[271] Volume of a rotating black hole in 2+1 dimensions	Mr MAURYA, Suraj	
[292] A POSSIBLE SOLUTION TO THE HUBBLE TENSION FROM QUANTUM GRAVITY	B, Anupama	
[303] Addressing flavor anomalies, $(g-2)_\mu$, neutrino mass and matter-antimatter asymmetry of the universe within SO(10) GUT with a scalar leptoquark and scalar triplets	ADARSH, PRATIK	
[318] Cogenesis of visible and dark sector asymmetry in a minimal seesaw framework	MALHOTRA, Lekhika	

[321] MEASUREMENTS OF THE RATIO OF PARTIAL WIDTHS $\frac{\Gamma(D_{s^*} \rightarrow D_s \pi^0)}{\Gamma(D_{s^*} \rightarrow D_s \gamma)}$	AGGARWAL, Latika	
[323] Sensitivity of nuclear density profiles to global observables in O-O collisions at the Large Hadron Collider using AMPT Model	BEHERA, Debadatta	
[349] Measurement of Magnetic field at mini-ICAL and comparison with the MAGNET simulation	Ms KHINDRI, Honey	
[350] Correlation of streamer pulse with contaminants in the RPC detector.	L, Umesh	
[365] Strange baryons production in Au+Au collisions at $\sqrt{s_{NN}} = 19.6$ GeV from STAR	ASLAM, Sameer	
[366] Study of the lepton flavour violating decays Bs to electron+muon	KUMAR, Sanjeev	
[370] Effective suppression of r-modes within hyperonic stars	Dr SREEKANTH, V.	
[371] Effect of Magnetic Field on 1P states of the Heavy Quarkonia	Mr LAL, Manohar	
[381] Slow-roll inflaton potential through Kahler moduli stabilizations with two non-perturbative corrections in type IIB/F-theory	Mr LET, Abhijit	
[395] Seesaw dominance effects for neutrinoless double beta decay in left-right symmetric lens	Mr BANERJEE, Vivek	
[407] Neutrino Mass Ordering with Atmospheric, long baseline and reactor experiments	RAIKWAL, Deepak	
[412] Analysis for Non Thermal Phase Transitions in Relativistic Heavy Ion Collisions	Dr RASOOL, Mir Hashim	
[424] S-wave charm and bottom baryons in HQET	KUMAR, Kundan	
[441] Tachyonic Potential with Power Law and Polynomial Function for Accelerated Expansion of the Universe	GHOSH, Sovan	
[447] Investigating the effect of new physics on Υ and ψ leptonic decays	PANDA, Dhiren	
[450] Estimation of Bjorken initial energy density in p-p collisions	BHAT, Mohammad Asif	
[455] W mass anomaly from CDF-II and neutrino phenomenology in minimal type-III seesaw using $\text{Tr} T^\prime$ modular symmetry	MISHRA, Priya	
[474] Utmost Precision on 2-3 Oscillation Parameters using the synergy among DUNE and T2HK	KUNDU, Ritam	
[477] Measurement of PYTHIA8-based effective cross-section using underlying event data	KUMAR, Ramandeep	
[479] Study of Photon energy bias using $\pi^0 \rightarrow \gamma\gamma$ decays from $D^+ \rightarrow D^0(\rightarrow K^-\pi^+\pi^0)\pi^+$ at Belle II.	Ms SHARMA, Chanchal	
[480] Status of mesons in the hidden strange sector	Dr BHAVSAR, Tanvi	
[493] Hawking radiation as quantum mechanical reflection	TRIPATHY, Pabitra	
[495] Neutrino masses from the departure of Tribimaximal neutrino mixing matrix, CP Violation and non-zero θ_{13}	BARMAN, Animesh	
[502] A new method to determine muon multiplicity at the GRAPES-3 experiment	SCARIA, Ronald	
[503] Strange and Non-strange Sea Quark-gluon Effects for Pions	Ms BHALL, Preeti Mrs JAGDEV, Sherel	
[508] Decoding the Charged Lepton Yukawa from the Higgs measurements	Dr SARKAR, Ratan	
[511] Discussing lepton flavor violation(LFV) in $B \rightarrow S$ tensor Decays	Dr SAIN, Ria	

[563] Monojet signatures to study standard model extensions including non-thermal dark matter candidates	KALSI, Amandeep Kaur	
[582] WIMP and Self Interacting FIMP dark matter in the context of Singlet Doublet Model	SHOW, sudipta	
[586] Calibration of electrons or photons reconstructed by the Level 1 Trigger of CMS for Run3	BARADIA, Sweta	
[596] NMSSM Higgs boson at the LHC	Ms GUPTA, Surabhi	
[603] Effective Hamiltonian for a quark-antiquark system in heavy-flavor QCD	MORE, Jai	
[604] Cornering the SMEFT interactions of Higgs through Higgs-Photon production at the LHC	BISWAS, Tisa	
[609] Multi-messenger study of TXS 0506+056 blazar	., Sunanda	
[10] EXPLORING LEPTONIC CP-ODD WEAK BASIS INVARIANTS IN HYBRID TEXTURES OF NEUTRINO MASS MATRIX	Dr SINGH, Madan	
[11] Parameter space for low-energy CP phases and low scale leptogenesis within Inverse seesaw model.	THAPA, Bikash	
[2] A minimal dark matter model with vector like fermions	KHAN, Najimuddin	
[22] Estimation of diffusion coefficients of heavy quarks under Gribov-Zwanziger action.	MADNI, Sadaf	
[28] Entropic force and real-time dynamics of holographic quarkonium in a magnetic field	JENA, Siddhi Swarupa	
[36] Probing the role of mutual information in the Page curve	Mr SAHA, Ashis	
[39] Impact of Landau quantization on Chandrasekhar limit	MAHESHWARI, SUMIT KUMAR	
[46] Analysing the S-wave charmonium decays of B_c meson	SAHOO, Shantanu	
[52] Exactly solvable model of a damped harmonic oscillator affected by magnetic field in a time dependent noncommutative space	DUTTA, MANJARI	
[58] Angular Dependence of Cosmic Muon Flux - Experimental Measurement and Simulation	CHATTOPADHAY, Souvik	
[59] AI-based models in INO-ICAL: An overview of applications and studies	MURGOD, Lakshmi	
[60] Renormalization-group and e -improved Higgs to two gluons decay rate	RES. SCHOLAR, PHYSICS, IIT(BHU), VARTIKA SINGH	
[74] Magnetized Quark Gluon Plasma Evolution	Mr KUKSAL, Gaurang	
[81] Flavour bounds on the flavon of a minimal $Z_2 \times Z_N$ symmetry	RESEARCH SCHOLAR, PHYSICS, IIT(BHU), NEELAM SINGH	
[82] Probing non-standard neutrino interactions with a light boson from next galactic and diffuse supernova neutrinos	Dr MASUD, Mehedi	
[88] Light Higgs searches at the CMS detector	BALA, Anirban	
[116] Evidence for Boundary Quantum Gravity: Aspects of a Bulk Geometric Torsion	Mr GUPTA, Rohit K.	
[120] Search for glueball candidates via KK decay channel in pp collisions with ALICE at the LHC	MALLICK, Dukhishyam	
[126] Comparative study of multiplicity fluctuations and evidences of intermittency in 14.5A GeV/c 28Si-AgBr collisions	SHARMA, Anju	
[135] Probing $B \rightarrow K^* \gamma$ decays at Belle II experiment	TIWARY, Rahul	

[141] Measurement of leading charged-particle jet properties in p--Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with ALICE	DAS, Prottoy	
[24] Nonlinear Constraints Abelianization of a Prototypical Second-Class System using BFFT method	Dr PANDEY, Vipul Kumar	
[31] Unruh quantum Otto engine in the presence of a reflecting boundary	MUKHERJEE, Arnab	
[93] Baryon Asymmetry and Corrections to Scaling Neutrino Mass Matrix in Type-I+II Seesaw Model under A ₄ Modular Invariance	KASHAV, Monal	
[107] Charged pion energy reconstruction in HGAL TB prototype using graph neural networks	ALPANA, Alpana	
[121] Dissociation baryonic chemical potential of the QGP at momentum anisotropy with Quasi-Particle approach	SOLANKI, Siddhartha	
[128] Study of the $B^0 \rightarrow \gamma \gamma$ decay at Belle and Belle II	Ms KRISHAN MAURYA, Shubhangi	
[172] Study of traversable wormhole in $f(R)$ gravity	Mr NATH, PARTHA PRATIM	
[188] Current Status and Future Outlook of Neutrinoless Double Beta Decay Searches	Ms LISHA, Lisha	
[192] Elliptic flow of strange hadrons in Au+Au collisions at $E_{\text{lab}} = 35 \sim A$ GeV using the PHSD model	Mr BHAT, Towseef Ahmad	
[374] Optimisation of Operating High Voltage of large area Resistive Plate Chambers for the ICAL experiment	MAJUMDER, Gobinda SANKARANARAYANAN, Pethuraj	
[490] Cut-Based Photon ID Tuning and Comparison Studies	DUTTA, Shubham	
[537] The Inflaton in Quantum Impedance Networks of Higgs Mode Dynamics	CAMERON, peter	
[155] Search for the decay $B \rightarrow D \eta \pi$ in Belle (II).	Ms V S, VISMAYA	
[157] Olsson.wl : a Mathematica package for the computation of linear transformations of multivariable hypergeometric functions	BERA, Souvik	
[161] Emergent new symmetry from the Higgs shadow	BARIK, anjan	
[168] Shock formation in magnetized wakes of cosmic strings.	Mr NAYAK, Soumen	
[170] mpact of Effective Spectral function and Transverse Enhancement on Extraction of Neutrino Oscillation Parameters in NO ν S Experiment	Ms DEKA, Paramita	
[324] Quasi-characters in $\widehat{\mathfrak{su}}(2)$ current algebra at fractional levels	GROVER, Sachin	
[357] Impact of finite volume on thermodynamic properties of quark matter within Polyakov quark meson model	CHAHAL, Nisha	
[363] Search for the decay $B^0 \rightarrow \gamma \gamma$ at $\Upsilon(4S)$ resonance	Mr KALITA, Dibyajyoti	
[545] Retrieving Inverse Seesaw parameter space for Dirac Phase Leptogenesis	MUKHERJEE, Ananya	
[551] Type II Dirac Seesaw with Observable ΔN_{eff} in the light of W-mass Anomaly	MAHAPATRA, SATYABRATA	
[556] THE 3 FOLDS 4-DIMENSIONAL UNIVERSE	CHAVAN, Yogesh	
[559] Search for a vector-like quark $T' \rightarrow tH$ in the diphoton decay mode of the Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV	SAHA, Prafulla	
[597] Higgs boson-like high mass resonance search in the $H \rightarrow ZZ \rightarrow 2l2q$ decay channel at ≈ 13 TeV using CMS experiment data	DAS, Alope Kumar	
[23] Geometric Quantization of a Constrained System	PANDEY, Vipul Kumar	

[203] Sensitivity study of $B \rightarrow \pi \ell \ell^{+} \ell^{-}$ decays at the Belle II experiment	MEHTA, RISHABH	
[343] Exploring the specific shear viscosity (η/s) of quark-gluon plasma using the high p_{\perp} observables	KARMAKAR, Bithika	
[393] A study of elliptic flow in a deep learning framework	MALLICK, Neelkamal	
[433] Exploring the leptonic CP violation in two zero textures	Ms PRABHAKAR, Jayati	
[471] Poster: Exploring millicharged dark matter components from the shadows	BHANDARI, Lalit Singh	
[519] FPGA based Time Calibration Trigger System for the GRAPES-3 experiment	Mr JAIN, A.	