

XXIII DAE-BRNS HIGH ENERGY PHYSICS SYMPOSIUM 2018

Sunday, 9 December 2018 - Friday, 14 December 2018

Programme

Table of contents

Sunday 09 December 2018	1
Registration	1
Monday 10 December 2018	2
Registration	2
Inaguration function	2
Tea Break	2
Pleanry1	2
Lunch break	2
PARALLEL SESSION 1	2
PARALLEL SESSION 1	2
PARALLEL SESSION 1	2
PARALLEL SESSION 1	3
Tea Break	3
PARALLEL SESSION 2	3
PARALLEL SESSION 2	3
PARALLEL SESSION 2	4
PARALLEL SESSION 2	4
Tuesday 11 December 2018	5
Registration	5
Pleanry 2	5
Tea Break	5
Pleanry 3	5
Lunch break	5
PARALLEL SESSION 3	5
PARALLEL SESSION 3	5
PARALLEL SESSION 3	5
PARALLEL SESSION 3	6
Tea Break	6
PARALLEL SESSION 4	6
PARALLEL SESSION 4	6
PARALLEL SESSION 4	7
PARALLEL SESSION 4	7
Wednesday 12 December 2018	8

Registration	8
Pleanry 4	8
Tea Break	8
PARALLEL SESSION 5	8
PARALLEL SESSION 5	8
PARALLEL SESSION 5	8
PARALLEL SESSION 5	9
Lunch break	9
Poster Exposition	9
Tea Break	9
General Body Meeting	9
Cultural Program	9
Social Dinner	9
Thursday 13 December 2018	10
Pleanry 5	10
Tea Break	10
Pleanry 6	10
Rahul Basu Thesis Award	10
Lunch break	10
PARALLEL SESSION 6	10
PARALLEL SESSION 6	10
PARALLEL SESSION 6	10
PARALLEL SESSION 6	11
Tea Break	11
PARALLEL SESSION 7	11
PARALLEL SESSION 7	11
PARALLEL SESSION 7	12
PARALLEL SESSION 7	12
Friday 14 December 2018	13
PARALLEL SESSION 8	13
PARALLEL SESSION 8	13
PARALLEL SESSION 8	13
PARALLEL SESSION 8	13
Tea Break	14
PARALLEL SESSION 9	14
PARALLEL SESSION 9	14
PARALLEL SESSION 9	14
PARALLEL SESSION 9	15
Lunch break	15

Promotional Talks	15
Tea Break	15
Symposium Summary	15

Sunday 09 December 2018

Registration (14:00-19:00)

Monday 10 December 2018

Registration (07:30-09:30)

Inauguration function (09:30-10:30)

Tea Break (10:30-11:00)

Plenary1 (11:00-13:00)

-Conveners: James Libby

time	[id] title	presenter
11:00	[234] Recent result from LHC	CARLIN, Roberto
11:40	[235] Recent results on QGP	CHATTOPADHYAY, Subhasis
12:20	[236] Recent development on BSM	BHATTACHERJEE, Biplob

Lunch break (13:00-14:00)

PARALLEL SESSION 1: NEU-IA (14:00-15:30)

-Conveners: Jyotsna Singh

time	[id] title	presenter
14:00	[21] Recent theoretical development atmospheric neutrinos	MATHI, Indu
14:30	[22] Sterile Neutrino Hypothesis in Long-baseline Experiments	GANDHI, Raj
14:45	[23] NOvA's Short-baseline Joint Muon-neutrino Disappearance and Tau-neutrino Appearance Search	KELOTH, Rijeesh
15:00	[24] Nuclear Effects and CP Sensitivity at DUNE	NAGU, Srishti
15:15	[25] Effect of sterile neutrino on degeneracy resolution capacities of NOvA and DUNE	CHATLA, Akshay

PARALLEL SESSION 1: DE-IA (14:00-15:30)

time	[id] title	presenter
14:00	[16] Mini-Review talk	BHEESETTE, Satyanarayana
14:30	[17] Study of RPC performance on graphite coating resistivity for INO-ICAL experiment	GAUR, Ankit
14:45	[18] Muon momentum spectra with mini-ICAL	BHATT, apoorva
15:00	[19] Deep learning technique for track reconstruction for miniICAL detector	SAMUEL, Deepak
15:15	[20] RPC and CLS for mini-ICAL detector	R SHINDE, Ravindra

PARALLEL SESSION 1: SM-IA (14:00-15:30)

time	[id] title	presenter
14:00	[11] Mini-Review talk	NANDI, Soumitra

14:30	[12] Flavour tagged time dependent angular analysis of the $B_s \rightarrow J/\psi\psi$ decay channel, measurement of the $\Delta\Gamma$ s and the weak phase Φ_s	ALIBORDI, Muhammad
14:45	[13] Search for $Y(4260)$ in $B \rightarrow Y(4260)K$ decay mode with Belle detector at KEK B-factory	GARG, Renu
15:00	[14] Study of charmless decays $B^{+-} \rightarrow KS_0KS_0K^{+-}$ and $B^{+-} \rightarrow KS_0KS_0\pi^{+-}$ at Belle	BASITH, Abdul
15:15	[15] Study of rare annihilation decay B_d to $c\bar{c}b\gamma$ at Belle	KUMAR, Rajiv

PARALLEL SESSION 1: HI-IA (14:00-15:30)**-Conveners: Raghunath Sahoo**

time	[id] title	presenter
14:00	[6] Mini-Review talk	KABANA, Sonja
14:30	[7] An insight into strangeness with $\phi(1020)$ production from small to large collision systems with ALICE at the LHC	TRIPATHY, Sushanta
14:45	[8] Heavy quark energy loss and heavy meson spectra in heavy ion collisions at LHC energies	SARASWAT, Kapil
15:00	[9] Intriguing similarities between high-p T particle production in pp and A-A collisions	MISHRA, Aditya Nath
15:15	[10] ϕ and K^*_0 production in p-Pb and Pb-Pb collisions with ALICE at the LHC	DUDI, Sandeep

Tea Break (15:30-16:00)**PARALLEL SESSION 2: NEU-IB (16:00-17:15)**

time	[id] title	presenter
16:00	[40] Phenomenological study of two zero textures of neutrino mass matrices in minimal extended seesaw model	KUMARI, Priyanka
16:15	[41] Probing the effects of sterile neutrino on the possible ultrahigh energy neutrino signals at a km ² detector in the framework of 4-flavour neutrino oscillation and unparticle decay	PANDEY, Madhurima
16:30	[42] Extracting Neutrino Oscillation Parameters using a Simultaneous Fit of the ν_e Appearance and ν_μ Disappearance Data in the NOvA Experiment	SINGH, Prabhjot
16:45	[43] Current Status of the Inclusive Neutral Current π^0 Production Cross section Measurement with the NOvA Near Detector	KALRA, Daisy
17:00	[245] Using A4 to ameliorate popular lepton mixings: A model for realistic neutrino masses and mixing based on see-saw	PRAMANICK, Soumita

PARALLEL SESSION 2: SM-IB (16:00-17:15)

time	[id] title	presenter
16:00	[31] Measurement of CKM angle ϕ_3 using $B_D(KS_0\pi^+\pi^-\pi^0)K$ decays at Belle	P K, Resmi
16:15	[240] Measurement of the top quark mass in single top events at 13 TeV	KARANAM, Raveendrababu
16:30	[34] Rediscoveries from the first data at Belle II	ROUT, Niharika
16:45	[35] Search for lepton flavor and baryon number violating tau decay $\tau \rightarrow \rho\mu\mu$ in Belle	SAHOO, Debashis

PARALLEL SESSION 2: DE-IB (16:00-17:00)

time	[id] title	presenter
16:00	[36] Calibration of the CMS Hadron Calorimeter using Isolated Muons from Collision Data	KAUR, Amandeep
16:15	[37] Aging study for Resistive Plate Chambers (RPC) of the CMS muon detector for HL-LHC	KUMARI, Priyanka
16:30	[38] ^{32}Si and ^{32}P background estimate in CDMS II Silicon detectors	BHATTACHARYYA, Rik
16:45	[39] HARDROC2B: A readout ASIC for INO-ICAL RPCs	PHOGAT, AMAN

PARALLEL SESSION 2: HI-IB (16:00-17:00)

time	[id] title	presenter
16:00	[27] Study of compatibility of Parton Distribution Functions provided by different theory groups at high-x using ep collision data collected by the ZEUS detector	AGGARWAL, Ritu
16:15	[28] Heavy quark transport coefficients in a non trivial Polyakov loop background	SINGH, Balbeer
16:30	[29] Chiral symmetry breaking, color superconductivity and equation of state for magnetised strange quark matter	ABHISHEK, Aman
16:45	[30] Dilepton production rate from magnetized QGP	GHOSH, Snigdha

Tuesday 11 December 2018

Registration (08:00-09:00)

Pleanry 2 (09:00-10:20)

time	[id] title	presenter
09:00	[229] Recent results from neutrino experiments	CHOUDHARY, Brajesh
09:40	[230] Recent theoretical development from reactor neutrino	GANDHI, Rajesh

Tea Break (10:20-10:50)

Pleanry 3 (10:50-13:00)

time	[id] title	presenter
10:50	[231] Science Program at KEK and Status of ILC	YAMAUCHI, Masanori
11:40	[232] 4th dimensional tracking (timing+tracking).	VILA ALVAREZ, Ivan
12:20	[233] Different cosmological observations imply different values of the Hubble parameter	SEN, Anjan Ananda

Lunch break (13:00-14:00)

PARALLEL SESSION 3: Formal Theory-IIA (14:00-15:30)

time	[id] title	presenter
14:00	[96] Mini-Review talk	
14:30	[97] Connecting LQG and String Theory: From Quantum Geometry to the Nambu-Goto Action	AID, Deepak
14:45	[98] A Global ILC Approach in Pixel Space using CMB Covariance Matrix	SUDEVAN, Vipin
15:00	[99] Vector Mesons Fragmentation - A Brief Review	HARI, Saveetha
15:15	[100] Perspectives on Supersymmetry and U(1)Lmu-Ltau	BANERJEE, Heerak

PARALLEL SESSION 3: BSM-IIA (14:00-15:30)

time	[id] title	presenter
14:00	[86] Mini-Review talk	NAYAK, Aruna
14:30	[87] Fermionic Dark Matter In leptoquark Portal	MANDAL, Rusa
14:45	[88] Search for Dark Matter in the mono-W/Z(qq') channel at the ATLAS experiment	PARIDA, Bibhuti
15:00	[89] Long-lived stau, sneutrino dark matter and right-slepton spectrum	GHOSH, Avirup
15:15	[90] Probing new signature using Jet substructure at the LHC	BHARDWAJ, Akanksha

PARALLEL SESSION 3: COSMOLOGY-IIA (14:00-15:30)

time	[id] title	presenter
14:00	[76] Mini-Review talk	

14:30	[77] Updated Bounds on Sum of Neutrino Masses in Various Cosmological Scenarios	CHOUDHURY, shouvikroy
14:45	[78] Late time cosmology with viscous self interacting dark matter	MISHRA, Arvind Kumar
15:00	[79] Probing relic neutrino radiative decays with 21 cm cosmology	SAMANTA, Rome
15:15	[80] Interplay of Scalar and Fermionic Components in a Multi-component Dark Matter Scenario	CHAKRABORTI, Sreemanti

PARALLEL SESSION 3: DE-IIA (14:00-15:30)

time	[id] title	presenter
14:00	[69] A multi-hit TDC for INO experiment	CHITRA, Chitra
14:15	[70] Measurement of azimuthal dependence of Cosmic ray muon flux using 2m x 2m RPC stack at IICHEP Madurai	PETHURAJ , D
14:30	[71] Simulation studies for a shallow depth ICAL and planned cosmic muon veto detector for mini-ICAL	PANCHAL, Neta
14:45	[72] Performance study of real-size CBM-MUCH triple GEM prototype in heavy ion collisions at CERN SPS	KUMAR, Ajit
15:00	[73] Performance studies of the Belle II Silicon Vertex Detector with commissioning data	LALWANI, Kavita
15:15	[74] Design and assembly of water cooled coil for prototype mini ICAL magnet at Madurai for INO project.	THAKUR, S. K.

Tea Break (15:30-16:00)**PARALLEL SESSION 4: Formal Theory-IIB (16:00-17:30)**

time	[id] title	presenter
16:00	[222] The QCD Equation of state at finite density from lattice	SHARMA, Sayantan
16:30	[101] Infrared finiteness of theories with bino-like dark matter at finite temperature	SEN, Pritam
16:45	[103] On the throttling process of the AdS black hole with a global monopole	KUMARA, Naveena
17:00	[104] Probing the scale of non-commutativity of space	GHODERAO, Pulkit S.
17:15	[105] MExGlue De-Mess-ed (or M-Theory Exotic Scalar Glueball Decays to Mesons at Finite Coupling)	YADAV, Vikas

PARALLEL SESSION 4: HI-IIA (16:00-17:30)

time	[id] title	presenter
16:00	[216] Thermodynamics of a gas of hadrons with interaction using S-matrix formalism	DASH, Ashutosh
16:15	[217] Nonlinear Effects in Singlet Quark Distribution predicted by GLR-MQ Evolution Equation	DEVEE, Mayuri
16:30	[218] Study of charge separation effect in Pb-Pb collisions using AMPT	PARMAR, Sonia
16:45	[219] Effects of magnetic field on plasma evolution in relativistic heavy-ion collisions	DAVE, Shreyansh S.
17:00	[220] J/ψ production as a function of charged-particle \sqrt{m} multiplicity in pp collisions at $s = 5.02$ TeV with ALICE	KHATUN, Anisa

17:15	[239] Effect of inverse magnetic catalysis on conserved charge fluctuations in hadron resonance gas model	MAHAPATRA, Ranjitha K.
-------	---	------------------------

PARALLEL SESSION 4: BSM-IIB (16:00-17:30)

time	[id] title	presenter
16:00	[91] Search for the compositeness of quarks of light and heavy flavor in gamma + jet final states in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector at the LHC	GARG, Rocky Bala
16:15	[93] Alignment in A4 symmetric three-Higgs-doublet model	PRAMANICK, Soumita
16:30	[94] Search for new scalar resonance decaying to a pair of Z bosons in pp collisions at center of mass energy 13 TeV by the CMS experiment at the LHC	KESHRI, Sumit
16:45	[95] Light Higgsinos at LHC with Right-Sneutrino LSP	DUTTA, Juhi
17:00	[244] Hidden sector fermionic dark matter in the light of positron-fraction excess measured by AMS-02	GHOSH, Sayan
17:15	[246] Probing Heavy Charged Higgs Boson at the LHC	

PARALLEL SESSION 4: COSMOLOGY-IIB (16:00-17:00)

time	[id] title	presenter
16:00	[81] Infrared finiteness of theories with bino-like dark matter at $T = 0$	SEN, Pritam
16:15	[82] A Study in the non-canonical domain of Goldstone inflaton	.BHATTACHARYA, Sukannya
16:30	[84] Dark matter, neutrino mass and R K (\square) anomalies in $L \mu - L \tau$ model	SINGIRALA, Shivaramakrishna
16:45	[85] Constraints on the parameters of warm inflationary models	ARYA, Richa

Wednesday 12 December 2018

Registration (08:00-09:00)

Pleanry 4 (09:00-10:20)

time	[id] title	presenter
09:00	[227] Recent development in Lattice QCD	MATHUR, Nilmani
09:40	[228] Development on Standard Model	KUNDU, Anirban

Tea Break (10:20-11:00)

PARALLEL SESSION 5: SM-IIIA (11:00-13:00)

time	[id] title	presenter
11:00	[147] Mini-Review talk	OYANGUREN, Arantza
11:30	[148] Physics Potential of High Luminosity LHC	MAZUMDAR, Kajari
11:45	[150] Search for SM Higgs boson production in association with top quark pairs at CMS	DEWANJEE, Ram Krishna
12:00	[151] First measurement of single top quark production cross-section in association with W boson at $\sqrt{s} = 13$ TeV with CMS detector[1]	PRIYANKA, Priyanka
12:15	[152] Study for Z boson production in association with b-jets in proton-proton collision at 13 TeV	MEENA, Meena
12:30	[154] Search for Higgs boson pair production in the 4W channel with 3l + 2j final state at $\sqrt{s} = 13$ TeV with CMS detector	SAWANT, Siddhesh
12:45	[155] Search for anomalous electroweak production of WW/WZ/ZZ boson pairs in association with two jets in p-p collision at 13 TeV	SHARMA, Ram Krishna

PARALLEL SESSION 5: Formal Theory-IIIA (11:00-13:00)

time	[id] title	presenter
11:00	[136] recent findings on exotic tetraquark states	JUNNARKAR, Parikshit
11:30	[137] Positive geometry of quartic interactions : Stokes polytope	BANERJEE, Pinaki
11:45	[138] Perturbativity constraints on gauge couplings in U(1) extended SM and Left-Right models	CHAUHAN, Garv
12:00	[139] Inflation with an antisymmetric tensor field	PADHY, Abhilash
12:15	[140] Fragmentation of Pseudoscalar Mesons	SAVEETHA, H
12:30	[142] Two loop Splitting function and Cross-Sections in N=4 SYM	CHAKRABORTY, Amlan

PARALLEL SESSION 5: BSM-IIIA (11:00-13:00)

time	[id] title	presenter
11:00	[242] Theoretical development in Dark matter	GOPALAKRISHNA, Shrihari
11:30	[118] Stop-pair production search in di-tau final state at $\sqrt{s} = 13$ TeV at the CMS experiment	BHATTACHARYA, Soham

11:45	[116] Investigating the scalar sector of left-right symmetric models with leptonic probes	BORAH, Debasish
12:00	[117] Search for Supersymmetry with a compressed mass spectrum in the vector boson fusion topology with single hadronic tau channel in pp collisions at $\sqrt{s} = 13$ TeV	KUMARI, Priyanka
12:15	[121] Exotic leptonic solutions to observed anomalies in lepton universality observables and more	DHARGYAL, Lobsang
12:30	[122] Naturalness and two Higgs doublet models	BISWAS, Ambalika
12:45	[123] Search for dark matter with CMS in final state with missing ET and a single photon	GHOSH, Shamik

PARALLEL SESSION 5: NEU-III A (11:00-13:00)

time	[id] title	presenter
11:00	[179] Searches for dark matter annihilations in the earth with ICAL@INO	TIWARI, Deepak
11:15	[180] Probing leptonic delta CP with low energy atmospheric neutrinos	MOHAN, Lakshmi .S.
11:30	[181] Study of neutrino oscillation parameters INO-ICAL detector using event by event reconstruction	KARAPARAMBIL, Rajan Rebin
11:45	[182] Study of atmospheric neutrino oscillation parameters at the INO-ICAL detector using electron neutrino events	CHACKO, Aleena
12:00	[183] Improving mass hierarchy and octant sensitivity of proposed ESSvSB experiment using synergies with accelerator and atmospheric experiments	GUPTA, Chandan
12:15	[184] Consequences of CP transformed mixed $\nu_{\mu}\nu_{\tau}$ antisymmetry	ROY, Probir
12:30	[185] Baryogenesis via leptogenesis from asymmetric dark matter and radiatively generated neutrino mass	PATRA, Sudhanwa
12:45	[186] Identification of cosmic primaries in UHECR using the lateral profile of muons	DEVI, Moon Moon

Lunch break (13:00-14:00)

Poster Exposition (14:00-15:30)

Tea Break (15:30-16:00)

General Body Meeting (16:00-17:00)

Cultural Program (18:30-19:30)

Social Dinner (19:30-22:30)

Thursday 13 December 2018

Pleanry 5 (09:00-11:00)

time	[id] title	presenter
09:00	[223] Measurement of Higgs at LHC	PRELL, Soeren Andre
09:40	[224] How high sensitivity detectors can lead to unexpected discoveries	GUPTA, Sunil
10:20	[225] Recent development in flavor physics	SONI, AMARJIT

Tea Break (11:00-11:20)

Pleanry 6 (11:20-11:50)

time	[id] title	presenter
11:20	[226] Statistical issues in HEP data analysis	MATORRAS, Francisco

Rahul Basu Thesis Award (11:50-13:00)

Lunch break (13:00-14:00)

PARALLEL SESSION 6: DE-IVA (14:00-15:30)

time	[id] title	presenter
14:00	[44] Mini-Review talk	KUMAR, Ashok
14:30	[45] Charge Threshold study of a glass RPC in avalanche model	SIKDAR, Anup Kumar
14:45	[46] GEM GE1/1 Detector System and its Performance for the CMS Muon Endcap	SHAH, Aashaq Hussain
15:00	[47] Experimental and Numerical studies on the efficiency of gaseous detectors.	ROY, Promita
15:15	[48] Event Reconstruction Efficiency and Purity Studies for Charged Pion Semi-Inclusive Neutrino Charged-Current Cross Section in NOvA	TRIPATHI, Jyoti

PARALLEL SESSION 6: BSM-IVA (14:00-15:30)

time	[id] title	presenter
14:00	[124] Modified Higgs Couplings in Minimal Composite Higgs Model and Beyond	BANERJEE, Avik
14:15	[125] Search for vector boson fusion production of a massive resonance decaying to a pair of Higgs bosons in the four b quark final state at the HL-LHC using the CMS Phase-2 detector	PANWAR, Lata
14:30	[126] NSI in Electrophilic ν 2HDM	SADHUKHAN, Soumya
14:45	[127] Can SKA-Phase 1 go much beyond the LHC in supersymmetry search?	KAR, Arpan
15:00	[128] flavor violation at LHC in events with two opposite sign leptons and a b-jet	KUMAR, Nilanjana
15:15	[129] Searching for light wino-like dark matter in the MSSM at the LHC	ABDALLAH, W

PARALLEL SESSION 6: COSMOLOGY-IVA (14:00-15:30)

time	[id] title	presenter
14:00	[106] Cosmological Time Crystal: Cyclic Universe with a small Λ in a toy model approach	DAS, Praloy
14:15	[107] Constraints on light DM fermions from relic density consideration, SN1987A cooling and the role of Tsallis statistics	GUHA, Atanu
14:30	[108] Neutron Star Cooling via Axion Emission by Nucleon-Nucleon Axion Bremsstrahlung	PAUL, Avik
14:45	[109] Confronting Kähler moduli inflation with CMB data	GANGOPADHYAY, Mayukh Raj
15:00	[110] Probing Fermi-Arcs with massive scalar field	WAHLANG, Wadbor

PARALLEL SESSION 6: SM-IVA (14:00-15:30)

time	[id] title	presenter
14:00	[156] Three loop QCD corrections to heavy quark form factors	RANA, Narayan
14:15	[157] Second order QCD-QED corrections to inclusive Higgs boson production through $b\bar{b}$ annihilation	AJJATH, A H
14:30	[158] MEASUREMENT OF PROPERTY OF HIGGS WITH MASS NEAR 125 GEV	SHARMA, Ashish
14:45	[159] Two-loop massless QCD corrections to the $b + b\bar{b} \rightarrow H + H$ four-point amplitude	MUKHERJEE, Pooja
15:00	[160] Underlying Event Measurements using CMS Detector at LHC	MANISHA, Manisha
15:15	[161] Rare Weak Decays of B_c and B_s Meson	PADMAPRIYA R, R

Tea Break (15:30-16:00)**PARALLEL SESSION 7: HI-IVA (16:00-17:30)**

time	[id] title	presenter
16:00	[210] Role of multipartonic interaction on multiplicity dependence study of J/ψ production at the LHC	THAKUR, Dhananjaya
16:15	[211] Detailed studies of prompt J/ψ and $\psi(2S)$ production in pp, pPb and PbPb collisions at $\sqrt{s} = 5.02$ TeV	SHUKLA, Prashant
16:30	[212] Revisiting order of Quark-Gluon Plasma(QGP) phase transition under a model density of states for Quarks and Gluons in a QGP droplet	JHA, Agam K.
16:45	[213] Infrared effective dual QCD at finite temperatures and densities	CHANDOLA, H C
17:00	[214] Deconfinement to Confinement as PT phase transition	RAVAL, Haresh

PARALLEL SESSION 7: COSMOLOGY-IVB (16:00-17:00)

time	[id] title	presenter
16:00	[143] Starobinsky Cosmological model in extended gravity with hybrid scale factor	ESMAEILI, Fakhreh MD.
16:15	[144] One-Loop Effective Action for Nonminimal Natural Inflation Model	AASHISH, Sandeep
16:30	[145] Mixing dynamics of Dim-5 interactions (Scalar/pseudoscalar-photon) in Magnetised medium.	CHAUBEY, Ankur
16:45	[146] TeV Scale Leptogenesis with Inflaton Dark Matter in Scotogenic Model	KUMAR, Abhass

PARALLEL SESSION 7: DE-IVB (16:00-17:00)

time	[id] title	presenter
16:00	[49] Optical Communication for RPCDAQ	ABINAYA, Abinaya
16:15	[50] MicroTCA Data Acquisition System	PATIL, Mandakini Ravindra
16:30	[52] Prototype tests Electromagnetic Calorimeter, FOCAL, at CERN-SPS using large dynamic range readout electronics	MUHURI, Sanjib
16:45	[54] Efficiency measurement of triple GEM chamber using β -source & FPGA based readout	KUMAR, Ajit

PARALLEL SESSION 7: SM-IVB (16:00-17:15)

time	[id] title	presenter
16:00	[162] Probing new physics in B_s to $(K, K^*)\nu$ and B to $\rho\nu$ decays	N, Rajeev
16:15	[163] Predictions of Angular Observables for $\bar{B}_s \rightarrow K^* \ell \ell$ and $\bar{B} \rightarrow \rho \ell \ell$ in Standard Model	KINDRA, Bharti
16:30	[164] Search of New Physics with B_s^0 to l plus l minus	BISWAS, Swagata
16:45	[165] Study of $X(3872)$ and $X(3915)$ in B to $(J/\psi\omega)K$ at Belle.	PATRA, Saurav
17:00	[221] Search for 2 leptons (opposite sign) and 1τ channel in $t\bar{t}$ decay analysis using BDT XGboost algorithm	MAURYA, Murli Kartik

Friday 14 December 2018

PARALLEL SESSION 8: BSM-VA (09:00-10:30)

time	[id] title	presenter
09:00	[130] Bottom squarks as probes to MSSM with non-holomorphic soft interactions	MUKHERJEE, Samadrita Mukherjee
09:15	[131] Search for associated production of dark matter with a Higgs boson decaying to a pair of bottom quarks at 13 TeV with CMS detector	KUMAR, Deepak
09:30	[132] A search for Higgs boson decaying to a pair of new light bosons in the final state with pair of muons and b-quarks at sqrt(s) = 13 TeV	SHAH, Aashaq Hussain
09:45	[133] Stability in the Minimal Type-III Seesaw Model	KHAN, Najimuddin
10:00	[134] Vector-like dark matter and flavor anomalies with leptoquarks	SAHOO, Suchismita
10:15	[135] Reappraisal of constraints on Z' models from unitarity and direct searches at the LHC	BANDYOPADHYAY, Triparno

PARALLEL SESSION 8: SM-VA (09:00-10:30)

time	[id] title	presenter
09:00	[166] b to sll at Belle	CHOU DHURY, Seema
09:15	[167] Magnetic moments and the decay properties of $D^*(2007)0$ and $D^*(2010)\pm$ meson	RAI, Ajay K
09:30	[168] Semileptonic decays of Charmed mesons	SONI, N. R
09:45	[169] Model Independent analysis of $\bar{B} \rightarrow P \bar{B} \rightarrow \bar{B}^0$ decay processes	RAY, Atasi
10:00	[170] Impact of nonleptonic BB d, s decay modes on R_{K^*}, Φ, R_{ρ} anomalies	MOHAPATRA, Manas K
10:15	[171] Lepton polarization asymmetry in purely leptonic $B \rightarrow \ell \ell$ decays	KUMBHAKAR, Suman

PARALLEL SESSION 8: DE-VA (09:00-10:30)

time	[id] title	presenter
09:00	[55] The High Level Trigger performance of the CMS in LHC Run-II	KESHRI, Sumit
09:15	[56] Tau Identification performance at CMS experiment	KRISHNAN MB, Vinaya
09:30	[57] Performance of Silicon modules for CMS High Granularity EndCap Calorimeter in beam tests	PANDEY, Shubham
09:45	[58] CMS Pixel Tracker Upgrade in Fast Simulation	RASTOGI, Angira
10:00	[59] Modeling neutron damage in silicon detectors for high energy physics experiments	JAIN, Chakresh
10:15	[60] A portable Cosmic Muon Tracker using Resistive Plate Chambers (RPCs) for outreach activities	YUVARAJ, E

PARALLEL SESSION 8: HI-VA (09:00-10:30)

time	[id] title	presenter
09:00	[195] Mini-Review talk	DAS, Indranil
09:30	[196] Spin alignment measurements of $K^* 0$ vector mesons in ALICE at the LHC	KUNDU, Sourav

09:45	[197] Measurement of azimuthal angular correlations of heavy-flavour hadron decay electrons with charged particles in p-Pb and Pb-Pb collisions at \sqrt{s} NN = 5.02 TeV with ALICE at the LHC	NAIK, Bharati
10:00	[198] Study of Volume Scaling of two-flavour Quark matter in finite volume	MUKHERJEE, Tamal
10:15	[199] Bottomonium Suppression in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider: Centrality and transverse momentum dependence	MISHRA, Madhukar

Tea Break (10:30-11:00)**PARALLEL SESSION 9: DE-VB (11:00-13:00)**

time	[id] title	presenter
11:00	[61] Performance of the Phase-2 CMS Tracker detector modules under Beam tests	SAHA, Gourab
11:15	[62] ALICE Inner Tracking System upgrade at the LHC	BEHERA, Nirbhay Kumar
11:30	[63] Transient Current Technique (TCT) Measurements & Simulations on silicon pad detectors	JAIN, Geetika
11:45	[64] Characterisation of metal by GEM detector using Ion Beam Facility at IOP	TRIPATHY, Alekhika
12:00	[65] Development of a Cooling setup for Muon Chamber (MUCH) electronics for mini CBM experiment	GHOSH, Chandrasekhar
12:15	[66] Cut-Based Photon ID tuning of CMS using Genetic Algorithm	BHOWMIK, Debabrata
12:30	[67] Development of an Extended Air Shower array at Darjeeling	ROY, Shreya
12:45	[75] Electronics and DAQ for the magnetized mini-ICAL detector at IICHEP	SARAF, Mandar

PARALLEL SESSION 9: NEU-VA (11:00-13:00)

time	[id] title	presenter
11:00	[187] Consequences of mixed $\mu\tau$ -flavored twisted Friedberg-Lee invariance for neutrinos	SINHA, Roopam
11:15	[188] Compatibility of A4 Flavour Symmetric Minimal Extended Seesaw with (3 + 1) Neutrino Data	SARMA, Neelakshi
11:30	[189] Sensitivity of DUNE to neutrino mass and octant degeneracy at Lepontic CP phase $\delta_{CP} = 3\pi/2$	NATH, Ankur
11:45	[190] Constraints on Millicharged Particles and Test of Beyond Standard Model Scenarios with sub-keV Germanium Detectors at Kuo-Sheng Reactor Neutrino Laboratory	SINGH, Lakhwinder
12:00	[191] Testing partial mu-tau Reflection Symmetry at DUNE and Hyper-Kamiokande	DEEPTHI K N, K N
12:15	[192] TeV Scale Seesaw Mechanism, Scalar Dark Matter and Electroweak Vacuum Stability	VISHNUDATH, K. N.
12:30	[193] Physics potential of long-baseline neutrino oscillation experiments in presence of sterile neutrino	MAJHI, Rudra
12:45	[194] Long Base-line Sterile Neutrino Searches in NOvA Experiment	EDAYATH, Sijith

PARALLEL SESSION 9: SM-VB (11:00-13:00)

time	[id] title	presenter
------	------------	-----------

11:00	[172] Next-to-Leading-Log Resummed Angularity Distributions	BUDHRAJA, Ankita
11:15	[173] Mass spectra for higher excited D-wave charm meson family	GUPTA, Pallavi
11:30	[174] Investigation of lepton nonuniversality puzzles in B decays (FL)	SINGH, Soram Robertson
11:45	[175] Jet substructure as a tool to study Double parton scatterings in V + jets processes at the LHC	KUMAR, Ramandeep
12:00	[176] Mass spectra of c b meson in framework of pNRQCD	CHATURVEDI, Raghav
12:15	[177] Double parton scattering measurements at CMS	GUPTA, Rajat
12:30	[241] Flavor signature of anomalous tcZ coupling	SAINI, Jyoti

PARALLEL SESSION 9: HI-VB (11:00-13:00)

time	[id] title	presenter
11:00	[202] Electrical conductivity of Hot and Dense QCD matter: A Color String Percolation Approach	SAHOO, Pragati
11:15	[203] Dynamical Restoration of Z_N symmetry in SU(N)+Higgs Theories	BISWAL, Minati
11:30	[204] Effects of baryon-antibaryon annihilation on the anti-hyperon to anti-proton ratio in relativistic nucleus-nucleus collisions	NANDY, Ekata
11:45	[205] Measurement of open heavy flavour production in small and large systems with ALICE	BALA, Renu
12:00	[206] Formation and evolution of quarkonia in presence of rapidly varying strong magnetic field	BAGCHI, Partha
12:15	[207] Measurement of higher moments of Net-Charge distributions in Au+Au Collisions at $\sqrt{S} = 54.4$ GeV	PANDAV, Ashish
12:30	[208] Mesonic excitations in a magnetic field at finite temperature in the NJL model	CHAUDHURI, Nilanjan
12:45	[209] Fireball Tomography with heavy flavor flow	CHATTERJEE, Sandeep

Lunch break (13:00-14:00)

Promotional Talks (14:00-15:00)

Tea Break (15:00-15:15)

Symposium Summary (15:15-17:15)

time	[id] title	presenter
15:15	[237] Summary of theoretical results of symposium	BHATTACHARYYA, Gautam
16:15	[238] Summary of Experimental results of symposium	SINGH, Jasbir