Session Program

12-16 Dec 2022



XXV DAE-BRNS High Energy Physics Symposium 2022

Plenary

IISER Mohali, Lecture Hall Complex, IISER Mohali IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India

Monday 12 December

11:00 Plenary: D1-S1 Session Location: IISER Mohali, LH7, Lecture Hall Complex, IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India Convener: Gagan Mohanty 11:00-11:30 Recent results from ATLAS and CMS Speaker Prof. Sanjay Swain 11:30-12:00 Recent results from BaBar, Belle and Belle II Speaker Karim Trabelsi 12:00-12:30 Recent highlights from the LHCb experiment Speaker Dr Abhijit Mathad 12:30-13:00 Recent results from Heavy lons experiments Speaker Sadhna Das 13:00

Tuesday 13 December

09:00 Plenary: D2-S2 Session Location: IISER Mohali, LH7, Lecture Hall Complex, IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India Convener: Jasjeet Bagla 09:00-09:30 String Theory Circa 2022 Speaker Prof. Shiraz Minwalla An overview of top quark and Higgs boson measurements at the LHC 09:30-10:00 Speaker Dr Arun Nayak 10:00-10:30 Precise, but enigmatic, 'standard' Cosmological model **Speaker** Prof. Tarun Souradeep 10:30 17:00 Plenary: D2-S3 Session Location: IISER Mohali, LH7, Lecture Hall Complex, IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India Convener: Dr Satyajit Jena 17:00-17:30 Mega Science Vision 2035 documents: NP and HEP **Speaker** Prof. Amol Dighe 17:30-17:40 Jasjeet Bagla Speaker Jasjeet Bagla **Panel Discussion** 17:45-18:45 **Speakers** Amol Dighe, Gagan Mohanty, Indumathi D., Jasjeet Bagla, Kajari Mazumdar, MOHAMMAD SAJJAD ATHAR, Dr Moon

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Moon Devi, PRAVATA MOHANTY, Prof. Sanjay Swain, Rameez Mohamed, Rukmani Mohanta, Sadhana Dash, Dr

Satyajit Jena, Shashi Dugad, Vipin Bhatnagar, Dr Vishal Bhardwaj

18:55

Wednesday 14 December

Thursday 15 December

09:00 Plenary: D4-S5 Session Location: IISER Mohali, LH7, Lecture Hall Complex, IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India Convener: Prof. Suman Bala Beri 09:00-09:30 Dark Matter theoretical status Speaker Suchita Kulkarni 09:30-10:00 **Dark Matter experimental searches** Speaker Prof. Pratik Majumdar 10:00-10:30 Recent updates on finite temperature and density QCD from lattice **Speaker** Dr Sayantan Sharma 10:30 17:00 Plenary: D4-S6 Session Location: IISER Mohali, LH7, Lecture Hall Complex, IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India Convener: Manjit Kaur 17:00-17:30 Current Neutrino Physics: Theoretical Status Speaker Dr Rahul Srivastava 17:30-18:00 **Neutrino Physics: Current Experimental Status** Speaker Prof. BIPUL BHUYAN India based underground experiment status 18:00-18:30 Speaker D Indumathi 18:30

Friday 16 December

Plenary: D5-S6
Session |
Location: IISER Mohali, LH7, Lecture Hall Complex, IISER Mohali, Sector 81, Knowledge city, SAS Nagar, Punjab, India
| Convener: Harvinder Kaur Jassal

09:00-09:30 Future Colliders - Concepts and Physics Reach
Speaker
Sridhara Dasu

09:30-10:00 Science and Physics at Electron-Ion Collider
Speaker
Abhay Deshpande

10:00-10:30 Dedicated LIGO talk
Speaker
Anand Sengupta