

Session Program

4-6 Sept 2025

Hot QCD Matter 2025 (Series 3)

Poster Session

Lecture Hall Complex, IIT Bhilai, L106
Department of Physics, IIT Bhilai, Kutelabhata, Durg, Chattisgarh 491002

Thursday 4 September

16:40

Poster Session

Session |

Location: Lecture Hall Complex, IIT Bhilai, L106, Department of Physics, IIT Bhilai, Kutelabhata, Durg, Chattisgarh 491002

16:40–16:50

Mass bounds for fully bottom tetraquark from Regge phenomenology driven inequalities

Speaker

Vandan Patel

16:50–17:00

When Stars Collapse in Silence: Magnetar-Black Hole Variability Under the Veil of Dark Matter

Speaker

Anmol Gandhi

17:00–17:10

Effect of viscosity on jet thermalization in hot QCD plasma.

Speaker

Sally Rodrigues

17:10–17:20

Heavy quark relaxation time from the effective QCD potential

Speaker

Mr Prasanta Murmu

17:20–17:30

Modelling transport properties of compressed baryonic matter

Speaker

Anand Rai

17:40

16:40

Poster Session

Session |

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16:40–16:50

Impact of Spin on Quark Wigner Distributions

Speaker

SUJIT JANA

16:50–17:00

Coalescence Like Sum Rules from Hydrodynamics

Speaker

Ms Priya

17:00–17:10

Thermalization and Transport Phenomena in Oxygen-Oxygen Collisions at $\sqrt{s_{NN}} = 7$ TeV: A Color String Percolation Model Approach

Speaker

Ms Thresia Michael

17:10–17:20

Numerical Relativistic Magnetohydrodynamics and Related study in Heavy Ion Collisions**Speaker**

Krishanu Sengupta

17:20–17:30

Probing Dissipative Dynamics of Hybrid Stars through r-mode Oscillations**Speaker**

KHUSHBU ZALA

17:40

16:40

Poster Session**Session |****Location:** Lecture Hall Complex, IIT Bhilai, L106, Department of Physics, IIT Bhilai, Kutelabhata, Durg, Chattisgarh 491002

16:40–16:50

The Diquark-Antidiquark Picture of Kaon-like Resonances**Speaker**

Chetan Lodha

16:50–17:00

Two-body nonleptonic decays of D, Ds, B and Bs mesons in the factorization approach: Theoretical predictions for heavy-ion physics applications**Speaker**

Manakkumar Parmar

17:00–17:10

Meson Mass Modifications in Hot and Dense QCD Matter via a Complex Heavy-Quark Potential**Speaker**

DIPESH YADAV

17:10–17:20

Mass Spectra of Cascade Bottom-Charmed Baryons (Ξ_{bc} , Ξ'_{bc}) in a Relativistic Flux Tube Model**Speaker**

Mr V.G. Prajapati

17:20–17:30

Investigation of the Mass Spectra of Singly Charmed Pentaquarks**Speaker**

Hardik Rathod

17:40