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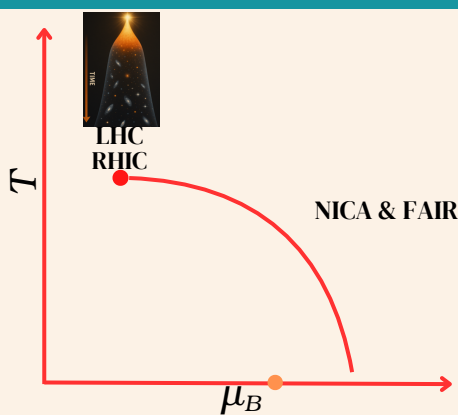
Hot QCD Matter 2025 (Series 3)

4-6 September 2025
IIT Bhilai, Durg
Chhattisgarh 491002, India

LHC
RHIC

NICA & FAIR

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Scientific Topics

- Heavy-ion physics at high baryon density, with relevance to future facilities CBM (Germany) and NICA (Russia)
- Heavy-ion physics at high Temperature, explored through experimental efforts at RHIC (BNL, USA) and LHC (CERN, Europe)
- Thermodynamics and Transport properties of quark and hadronic matter
- Physics opportunities with the upcoming Electron-Ion Collider (EIC, USA)
- Experimental probes of the Quark Gluon Plasma (QGP)
- Interdisciplinary connections with Astrophysics and compact star physics
- Emerging applications of machine learning (ML) and artificial intelligence (AI) in high energy nuclear physics

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Registration Link: https://indico.global/event/14774/registrations/3505/

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