

Session Program

2-11 Jan 2024

**Workshop in High Energy Physics
Phenomenology (WHEPP XVII), IIT
Gandhinagar**

WG4: QCD & Heavy Ion

Wednesday 3 January

14:00

WG4: QCD & Heavy Ion: Effective theories in thermal QCD

Session | **Location:** AB 1/201 | **Convener:** Pritam Sen

14:00–15:30

Effective theories in thermal QCD

Speaker

Pritam Sen

15:30

16:00

WG4: QCD & Heavy Ion: Effective theories in thermal QCD

Session | **Location:** AB 1/201 | **Convener:** Pritam Sen

16:00–17:30

Effective theories in thermal QCD

Speaker

Pritam Sen

17:30

Thursday 4 January

14:00

WG4: QCD & Heavy Ion: Quarkonium & jet physics

Session | **Location:** AB 1/201 | **Convener:** Rishi Sharma

14:00–15:30 **Quarkonium & jet physics**

Speaker

Rishi Sharma

15:30

16:00

WG4: QCD & Heavy Ion: Heavy quark diffusion in Glasma + Quarkonia in real-time

Session | **Location:** AB 1/201 | **Conveners:** Ms Pooja -, B.R. Vyshakh

16:00–17:30 **Heavy quark diffusion in Glasma**

Speakers

Ms Pooja -, Vyshakh B.R.

17:30

Friday 5 January

14:00

WG4: QCD & Heavy Ion: Experiments

Session | **Location:** AB 1/201 | **Convener:** Chitrasen Jena

14:00–15:30

Experiments

Speaker

Chitrasen Jena

15:30

16:00

WG4: QCD & Heavy Ion: Experiments

Session | **Location:** AB 1/201 | **Conveners:** Sadhana Dash, Raghunath Sahoo

16:00–17:30

Experiments

Speakers

Raghunath Sahoo, Sadhana Dash

17:30

Saturday 6 January

14:00

WG4: QCD & Heavy Ion: QCD corrections in Higgs decay

Session | **Location:** AB 1/201 | **Convener:** Dr Ambresh Shivaji

14:00–15:30 **QCD corrections in Higgs decay**

Speaker

Dr Ambresh Shivaji

15:30

16:00

WG4: QCD & Heavy Ion: Scattering amplitudes

Session | **Location:** AB 1/201 | **Convener:** Anurag Tripathi

16:00–17:30 **Scattering amplitudes**

Speaker

Dr Anurag Tripathi

17:30

Tuesday 9 January

09:00

WG4: QCD & Heavy Ion: Relativistic Spin hydro.

Session | **Location:** AB 1/201 | **Convener:** Dr Amaresh Jaiswal

09:00–10:30

Relativistic Spin hydro

Speaker

Dr Amaresh Jaiswal

10:30

11:00

WG4: QCD & Heavy Ion: Perturbative QCD

Session | **Location:** AB 1/201 | **Conveners:** Ratan Sarkar, Sudeepan Datta, Sourav Pal

11:00–12:30

Perturbative QCD

Speakers

Ratan Sarkar, Sourav Pal, Sudeepan Datta

12:30

14:00

WG4: QCD & Heavy Ion: Perturbative QCD

Session | **Location:** AB 1/201 | **Conveners:** Samuel Abreu, Satyajit Seth

14:00–15:30

Perturbative QCD

Speakers

Samuel Abreu, Satyajit Seth

15:30

Wednesday 10 January

09:00

WG4: QCD & Heavy Ion: Thermal QCD

Session | **Location:** AB 1/201 | **Convener:** Najmul Haque

09:00–10:30 **Thermal QCD**

Speaker

Najmul Haque

10:30

11:00

WG4: QCD & Heavy Ion: Fermions in relativistic heavy-ion collisions

Session | **Location:** AB 1/201 | **Convener:** Rajeev Singh

11:00–12:30 **Fermions in relativistic heavy-ion collisions**

Speaker

Rajeev Singh

12:30

14:00

WG4: QCD & Heavy Ion: Magnetohydrodynamics

Session | **Location:** AB 1/201 | **Convener:** Ashutosh Dash

14:00–15:30 **Magnetohydrodynamics**

Speaker

Ashutosh Dash

15:30

16:00

WG4: QCD & Heavy Ion: Heavy quark and transport

Session | **Location:** AB 1/201 | **Convener:** Hiranmaya Mishra

16:00–17:30 **Heavy quark and transport**

Speaker

Hiranmaya Mishra

17:30

Thursday 11 January

11:15
11:45

WG4: QCD & Heavy Ion: WG4 Summary
Session | **Location:** AB 1/201 | **Convener:** Sayantan Sharma

11:15–11:45

QCD & Heavy Ion: WG4 Summary