

Programme des sessions

17–19 sept. 2025

**Second Holography and Dense Matter Workshop
(featuring Meeting of Compact Objects working group of
the GW GdR)**

Holography & Dense Matter

Paris, APC Laboratory
Room 454A - Luc Valentin

mer. 17 septembre

15:50

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

16:50

15:50 – 16:50

Neutron Star Mergers: Multimessenger Probes of Extreme Matter

Orateur

Pablo Bosch

jeu. 18 septembre

09:00

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

09:00 – 10:00 **QCD in the cores of neutron stars**

Orateur

Aleksi Kurkela

10:00

10:30

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

10:30 – 11:30 **A new perturbative approach to dense matter: thermal Loop Tree Duality**

Orateur

Aleksi Vuorinen

11:30 – 12:30 **Microscopic description of critical bubbles**

Orateur

Javier Subils

12:30

14:30

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

14:30 – 15:30 **Forming and Evaporating Black Holes from Strongly Coupled Matter**

Orateur

David Mateos

15:30 – 16:30 **From Ringdowns to Critical Points: Constraining Dense Matter with Neutron Stars**

Orateur

Christian Ecker

16:30

ven. 19 septembre

09:00

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

09:00 – 10:00 **On effective action from holography****Orateur**

Niko Jokela

10:00

10:30

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

10:30 – 11:30 **Phases of dense QCD and neutron stars from holography****Orateur**

Andreas Schmitt

11:30 – 12:30 **Towards an improved holographic equation of state for hot and dense QCD****Orateur**

Matti Järvinen

12:30

14:30

Holography & Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

14:30 – 15:30 **Hall droplet baryons in holographic QCD****Orateur**

Francesco Bigazzi

15:30

16:00

Holography & Dense Matter: Holography and Dense Matter

Session | Site: Paris, APC Laboratory, Room 454A - Luc Valentin

16:00 – 17:00

From top-down to bottom-up: a new construction for holographic color-superconductivity**Orateur**

Edwan Préau

17:00