

MUSES Collaboration Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

What is MUSES? Short Overview (Nico Yunes)

Tuesday 27 May 2025 09:00 (30 minutes)

Session Classification: Section

Contribution ID: 2

Type: **not specified**

Calculation Engine & Cyberinfrastructure (Andrew Manning)

Tuesday 27 May 2025 09:30 (30 minutes)

Session Classification: Section

Contribution ID: 3

Type: **not specified**

MUSES for Neutron Stars (Veronica Dexheimer)

Tuesday 27 May 2025 11:45 (30 minutes)

Session Classification: Section

Contribution ID: 4

Type: **not specified**

MUSES workflow demonstration: CMF+lepton+Beta+QLIMR (Mateus Pelicer)

Tuesday 27 May 2025 12:15 (15 minutes)

Session Classification: Section

Contribution ID: 5

Type: **not specified**

MUSES for Heavy Ion Collisions (Claudia Ratti)

Tuesday 27 May 2025 11:00 (30 minutes)

Session Classification: Section

Contribution ID: 6

Type: **not specified**

MUSES workflow demonstration: single heavy-ion module (Johannes Jahan)

Tuesday 27 May 2025 11:30 (15 minutes)

Session Classification: Section

Contribution ID: 7

Type: **not specified**

Future Directions of MUSES (Jaki Noronha-Hostler + Jorge Noronha)

Tuesday 27 May 2025 14:00 (1 hour)

Session Classification: Section

Contribution ID: 8

Type: **not specified**

Discussion (Nico Yunes)

Tuesday 27 May 2025 15:30 (1h 30m)

Session Classification: Section

Contribution ID: 9

Type: **not specified**

MUSES hackathon (Andrew Manning + Klaus or Carlos or Mateus for neutron stars + Johannes or Yumu for heavy-ion)

Wednesday 28 May 2025 09:00 (1h 30m)

Session Classification: Section

Contribution ID: **10**

Type: **not specified**

Matching at finite temperature (Mauricio new matching + Tulio Restrepo Medina matching Holography to vdW HRG)

Wednesday 28 May 2025 11:00 (1h 30m)

Session Classification: Section

Contribution ID: **11**

Type: **not specified**

Breakout session

Wednesday 28 May 2025 14:00 (1h 30m)

Session Classification: Section

Contribution ID: 12

Type: **not specified**

Neutron stars at finite temperature (Mateus CMF + Yumu NJL + Jiaxi NR)

Wednesday 28 May 2025 16:00 (1h 30m)

Session Classification: Section

Contribution ID: 13

Type: **not specified**

**Thermal FIST + Observable modules (partial pressures/susceptibilities/transport coefficients)
(thermal Feyisola + partial pressures Johannes +
holography transport Musa)**

Thursday 29 May 2025 09:00 (1h 30m)

Session Classification: Section

Contribution ID: **14**

Type: **not specified**

Breakout session

Thursday 29 May 2025 11:00 (1h 30m)

Session Classification: Section

Contribution ID: 15

Type: **not specified**

Breakout session

Thursday 29 May 2025 16:00 (1h 30m)

Session Classification: Section

Contribution ID: 16

Type: **not specified**

Open discussion: What do you want in MUSES in the future? How do you want to use MUSES in the future? What do you want the cyberinfrastructure to do in the future (new application features, changes to API, integration of new computing resources)?

Thursday 29 May 2025 14:00 (1h 30m)

Session Classification: Section

Contribution ID: 17

Type: **not specified**

Student/Postdoc Hackathon + Leadership Break-out Session

Friday 30 May 2025 09:00 (1h 30m)

Session Classification: Section

Contribution ID: **18**

Type: **not specified**

Student/Postdoc Hackathon + Break-out Session

Friday 30 May 2025 11:00 (1h 30m)

Session Classification: Section