

**Numerics with PDEs:  
Mathematics meets  
Computational Astrophysics**

**Report of Contributions**

Contribution ID: 3

Type: **not specified**

## **GRMHD simulations with GR-Athena++**

*Thursday, 28 March 2024 10:30 (30 minutes)*

**Presenter:** COOK, William

**Session Classification:** Talks

Contribution ID: 13

Type: **not specified**

## **On split form nodal discontinuous Galerkin methods to solve systems of conservations laws**

*Thursday, 28 March 2024 10:00 (30 minutes)*

**Presenter:** SCHNÜCKE, Gero

**Session Classification:** Talks

Contribution ID: 14

Type: **not specified**

## **Spectrally-tuned compact finite-difference schemes with domain decomposition and applications to numerical relativity**

*Thursday, 28 March 2024 09:30 (30 minutes)*

**Presenter:** DASZUTA, Boris

**Session Classification:** Talks

Contribution ID: 15

Type: **not specified**

## **Positivity preservation on the context of finite elements**

*Thursday, 28 March 2024 12:00 (30 minutes)*

**Presenter:** PERVOLIANAKIS, Christos

**Session Classification:** Talks

Contribution ID: 16

Type: **not specified**

## **High order methods in Numerical Relativity - Challenges and successes**

*Thursday, 28 March 2024 11:30 (30 minutes)*

**Presenter:** ATTENEDER, Florian

**Session Classification:** Talks

Contribution ID: 17

Type: **not specified**

## Elliptic Equations

*Thursday, 28 March 2024 14:30 (30 minutes)*

**Presenter:** BRUEGMANN, Bernd

**Session Classification:** Discussion