Theory Interest Group at IVOA

22:00 UTC 27 April 2022

Chair: Gerard Lemson

Vice-chair: Simon O'Toole

Brainstorming session with GWS

Goals

We want concrete proposals using at least two science platforms for analysing/disseminating cosmological simulations

> ➜ Represent and evolve a volume in 3+1 dimensional space-time, whatever its spatial size

> ➜ We want to deploy data and software to the platforms and register their existence in a SimDB

Questions / Considerations

- Availability
  - Which science platform?
  - What kind of security is required?
- Platform types
  - Desktop oriented?
  - Notebook style?
  - Point and click?
- Capabilities
  - Can I deploy my own software/libraries?
  - What about file access or databases?
  - Interactive and/or batch mode

Questions / Considerations

- Data
  - Can you bring your own data? If so, how?
  - Or should data uploading be controlled?

- Software
  - Who has the codes for accessing simulations?
  - Can we use containers?

- Standardisation
  - How to register simulations on a science platform? SimDB?
  - What levels of standardization do we expect?
  - What about interoperability between platforms?