

***Athena*- Multimessenger Synergy Meeting/Videocon**

May 5 and 6, 2020

Program

May 5 13.00-18.00 (CEST)

Introduction, GWs from ground and space

- ❑ Welcome and Logistics: Francisco Carrera/ACO (5 min)
- ❑ Introduction and scope of the meeting: Luigi Piro (15 min)

Report from *Athena* and ground-based GW observatories: LIGO & VIRGO:

- Introduction: Science Themes & Landscape: David Nichols (20 min)
- Off-axis afterglow: Hendrik Van Eerten (15 min)
- Late time kilonova: Geoff Ryan (15 min)
- Observational strategy: Luigi Piro (15 min)
- Current status and next steps: key figures, simulations & schedule: David Nichols (20 min)

Report from *Athena* & LISA:

- Introduction: Landscape and Science Themes: Oliver Jennrich (20 min)
- SMBH: Monica Colpi (25 min)
- Other mergers: Alberto Sesana (10 min)
- *Athena* Observational strategy & Caveats: Matteo Guainazzi (15-30 min)
- White dwarfs: Oliver Jennrich (5 min)
- Current status and next steps: key figures, simulations & schedule: Oliver Jennrich (20 min)

May 6 13.00-18.00 (CEST)

- ❑ *Athena* Community Office: resources for simulations: Francisco Carrera (10 min)
- ❑ SIXTE: Joern Wilms (15 min)

Report from *Athena* v's and VHE(Icecube, KM3net, CTA):

- Introduction: Landscape and Science Themes: Jacco Vink (20 min)
- Galactic and other sources (clusters): Jacco Vink (20 min)
- Jets and outflows from AGN: Paolo Padovani (15 min)
- GRBs, other sources and fundamental physics: Alexis Coleiro (20 min)
- Observational strategy, status & future steps: Alexis Coleiro (20 min)

Report from *Athena* and Transient Universe with Theseus, Leads P. O'Brien (max 2 hrs):

- Introduction: Landscape and Science Themes: Lorenzo Amati, Paul O'Brien (20 min)
 - Cosmic dawn: Lise Christensen (20 min)
 - Transients: Julian Osborne (15 min)
 - Multimessenger: Giulia Stratta (15 min)
 - Observational strategy: Enrico Bozzo (15 min)
 - Current status and next steps: key figures, simulations & schedule: Paul O'Brien (20 min)
- Wrapping up: next steps, schedule, actions for final WP: Luigi Piro & all (20 min)