

# TITANS

## OF THE EARLY UNIVERSE

THE ORIGIN OF THE FIRST SUPERMASSIVE BLACK HOLES

MONASH UNIVERSITY PRATO CENTRE, ITALY • 20–24 NOVEMBER 2017

### WORKSHOP TOPICS

- Accretion physics in massive, atomically-cooled halos
- Star formation in the early Universe
- Direct collapse black holes and the origin of the first quasars
- Gravitational waves from collapsing supermassive stars
- Mass return and chemical enrichment from supermassive stars
- Recent observational evidence for supermassive stars
- Intermediate mass black holes
- Observational prospects in the era of the James Webb Space Telescope
- Expected rates from cosmological simulations
- Exotic nucleosynthesis during the collapse of supermassive stars

### SCIENTIFIC ORGANIZING COMMITTEE

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