

GWADW2022 - Approaching the low-frequency design sensitivity of ground-based detectors

Contribution ID: 5

Type: **Oral presentation**

Observing black holes throughout the Universe

Monday, 23 May 2022 13:35 (20 minutes)

I will overview how extending detector sensitivities at low gravitational wave frequencies will let us observe the first merging stellar black holes forming at cosmic dawn, and unveil the still elusive population of intermediate-mass black holes, which provides clues on the yet unknown origins of the massive black holes lurking at the centres of today's galaxies.

Primary author: Prof. MONICA, Colpi (University of Milano Bicocca)

Presenter: Prof. MONICA, Colpi (University of Milano Bicocca)

Session Classification: Plenary

Track Classification: Science cases related to GW at low frequencies