

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

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Type: **Oral presentation**

ET at 3 Hz - can we break the 'controls noise' wall?

Friday, 27 May 2022 22:30 (20 minutes)

The Einstein Telescope aims to have astrophysically interesting sensitivity at 3Hz. The performance goal is a factor of $\sim 10^6$ quieter than LIGO and Virgo at that frequency. This talk will present a recipe for addressing controls noise in a systematic manner at the design stage with supporting evidence from existing instruments.

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