

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

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AdV+ low frequency noises challenges and plans

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Advanced Virgo Plus is a two step plan for improving the sensitivity of Advanced Virgo for the O4 and O5 observing runs. After discussing the low frequency noises that have limited AdV in O3, we will present the planned AdV+ upgrades and adjustments that aim at reducing the low frequency fundamental and technical noises for O4 and O5.

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Track Classification: Instrument status: lessons and challenges for low frequencies