

## The Fifth Gravi-Gamma-Nu workshop



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Type: **Invited talk**

# Advanced Virgo plus: current status and future prospects

*Thursday, 10 October 2024 12:00 (30 minutes)*

On April 10th, 2024 the second part of the fourth observing run (O4b) started with the detectors Advanced LIGO and Advanced Virgo resuming data taking. The run is ongoing and it is currently planned to end in June 2025.

In this talk, I will highlight the series of installed upgrades on Advanced Virgo plus since the end of the O3 observing run in view of O4. Moreover, I will focus on what are the short-term plans to further improve the detector in the two-years break planned between O4 and O5 - currently scheduled to start in June 2027. Finally, I will also briefly describe the longer-term prospects for Advanced Virgo related to the post-O5 period - which will be a bridge between the second and the third generation detectors.

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**Session Classification:** Day 2: Latest results