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Status and performance of the Advanced Virgo detector

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After a brief introduction on Gravitational Waves interferometric detection, we report on the present status of the Advanced Virgo detector. In the last O2 data taking the network of GW detectors observed the first NS-NS merger in coincidence with gamma rays, opening the multimessenger astronomy to GWs. The three GW detectors are now jointly taking data with an improved sensitivity for the O3 run and first observations are coming and Open Public Alerts being sent out.

Collaboration name

Virgo

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