

Contribution ID: 28

Type: **not specified**

Advanced Virgo: status and perspectives

Thursday, 7 July 2016 09:50 (30 minutes)

Since 2011 the Virgo collaboration has undertaken a major detector upgrade towards a second generation detector with the aim of increasing the number of observable galaxies (and thus the detection rate) by three orders of magnitude. The installation and integration of Advanced Virgo was recently completed and the commissioning phase has begun with the objective of joining the two Advanced LIGO detectors and GEO-HF in the second scientific run of the advanced detector network. The talk will present the status of the Advanced Virgo detector, its impact on the upcoming scientific run of the network and an outlook on the evolution of Advanced Virgo towards the third generation of detectors.

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Session Classification: Gravitational Waves