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Status of Advanced Virgo+

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The forth Observing Run (O4) of the Advanced gravitational wave detectors will start on May 25th. This talk aims to present the current status of the Virgo detector performance in terms of sensitivity and duty cycle. Then an overview of the challenges that the commissioning has faced as a consequence of the upgrades of the detector will be given. Finally, a description of the main actions to be performed on the detector to reach the target sensitivity will be described.

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Session Classification: O4 commissioning, O5 and postO5 plans

Track Classification: Current detectors and prototypes: O4 Commissioning