

## Thermal Compensation in Advanced Virgo

The Advanced Virgo thermal compensation system (TCS), composed by wavefront sensors and actuators, has been conceived to correct mirror imperfections and to mitigate the thermal gradient inside the optics ensuring the detector optimal configuration.

Thermal compensation system components have been individually tested and characterized ensuring their operation within Advanced Virgo noise requirements. At present their installation on Advanced Virgo has been completed and the first measurements to evaluate TCS effect on the detector have been performed.

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