The Advanced Virgo monolithic fused silica suspension

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Monolithic suspensions of the Advanced Virgo Mirror

- Double pendulum system;
- 40 kg mirror suspended with fused silica fibers;
- new wire clamping with the upper stage, silica-steel interface at the level of the upper stage;
- new ears and wire upper and lower T-clamps;

The mirror and suspension thermal noise calculated with FEM (blue) is compared with the Advanced Virgo sensitivity curve (black).

Details in the poster