

## State of the art of crystalline test mass suspensions

*Wednesday, 2 October 2024 09:40 (20 minutes)*

Crystalline materials are playing a major role in determining the design, thermal and structural behavior of suspensions for the test masses of future gravitational wave interferometers that will use cryogenic payloads. The talk will present the state of the art of the joint research between various laboratories, research centers and private companies regarding the development of cryogenic test mass suspensions capable of suspending 200 kg substrates with excellent thermal and mechanical performances.

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