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MAD workshop report on crystalline TM suspension

Crystalline materials play a key role in defining the design and the thermal and structural behavior of suspensions used for the test masses in upcoming gravitational wave interferometers that will employ cryogenic payloads. This talk will highlight the latest advancements from a collaborative research effort involving several laboratories, research centers, and private companies focused on developing cryogenic test mass suspensions capable of supporting 200 kg substrates with exceptional thermal and mechanical performance.

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