24th Australian Institute of Physics Congress



Contribution ID: 425 Type: Invited talk

Confining sound in superfluids via optomechanics

Tuesday 13 December 2022 16:00 (30 minutes)

The coupling of light with a mechanical degree of freedom is ususally limited to exciting mechanical modes that are defined by the structure being used. We are working towards a regime where light can be used to define mechanical modes.

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Session Classification: Australian and New Zealand Conference on Optics and Photonics

Track Classification: ANZCOP: ANZCOP: Optoacoustics