## 24th Australian Institute of Physics Congress



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## **Superfluid Optomechanical Dissipative Solitons**

Tuesday 13 December 2022 16:45 (15 minutes)

Experimental results of high amplitude superfluid helium-4 waves and nonlinear phenomena including cnoidal waves, pulse trains and superfluid optomechanical dissipative solitons are presented, agreeing with the recently observed optomechanical dissipative solitons in solid state.

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