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Title:	Solitons as Probes of the Structure of Holographic Superfluids
Authors:	Yogendran, K.P. (/jspui/browse?type=author&value=Yogendran%2C+K.P.)
Keywords:	Quantum gases liquids and solids Particle physics and field theory
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Abstract:	The detailed features of solitons in holographic superfluids are discussed. Using solitons as probes, we study the behavior of holographic superfluids by varying the scaling dimension of the condensing operator and make a comparison to the Bose–Einstein condensate–Bardeen–Cooper–Schrieffer comparison phenomena. Further evidence of this analogy is provided by the behavior of the solitons' length scales as well as by the superfluid critical velocity.
URI:	https://iopscience.iop.org/article/10.1088/1367-2630/13/6/065003/pdf (https://iopscience.iop.org/article/10.1088/1367-2630/13/6/065003/pdf)
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