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Study of the effect of the slope parameter on the r-mode instability using Simple Effective Interaction

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2017

2 pages

Part of [Proceedings, 62nd DAE-BRNS Symposium on Nuclear Physics : Patiala, India, December 20-24, 2017](#), 692-693Published in: *DAE Symp.Nucl.Phys.* 62 (2017) 692-693Contribution to: [62nd DAE-BRNS Symposium on Nuclear Physics](#), 692-693

Published: 2017

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