

Abstract Submitted
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Few-body interactions in ultracold gases JIANING HAN, Hollins University — Recent experiments show that few-body interactions exist in ultracold gases. In this presentation, one-body, two-body, three-body, and four-body interactions will be illustrated. The results reported here provide useful information for gas to condensed phase transitions, and may be used for quantum information, high precision spectroscopy, as well as few-body entanglements.

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