

Abstract Submitted
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Nonlinear dynamics in the mixing and demixing of a two component BEC¹ JIAJIA CHANG, CHRIS HAMNER, PETER ENGELS, Washington State University — We experimentally study the dynamics resulting from the controlled mixing/demixing of ^{87}Rb Bose-Einstein condensates (BEC) in two different hyperfine states. Large and small scale domain formations are observed as well as the formation of nonlinear structures such as filled solitons. Recent and ongoing results will be presented.

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JiaJia Chang
Washington State University

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