

Abstract Submitted
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Experimental investigation of dynamics in spin-orbit coupled BECs.¹ CHRIS HAMNER, PETER ENGELS, Washington State University — In this poster we will present results from a Bose-Einstein condensate (BEC) experiment at WSU studying dynamics of spin-orbit coupled ^{87}Rb BECs. Ultra-cold atomic gases provide a very promising setting for such studies because of the high tunability and precise characterization of system parameters. We will describe our experimental setup as well as results from a recent study of spin dynamics induced by quantum quenches.

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Chris Hamner
Washington State University

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