

Abstract Submitted
for the DAMOP11 Meeting of
The American Physical Society

Multichannel quantum-defect theory of magnetic Feshbach resonances in heteroneuclear alkali-metal systems¹ CONSTANTINOS MAKRIDES, BO GAO, University of Toledo — We present a multichannel quantum-defect theory for the magnetic Feshbach resonances in the interaction of two heteroneuclear alkali-metal atoms. The emphasis will be on resonances in nonzero partial waves, and their parametrization that has only recently been developed². The theory will be illustrated with sample results for selected alkali-metal systems that include LiK.

¹Supported by NSF

²B. Gao, Phys. Rev. A **80**, 012702 (2009).

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Date submitted: 28 Jan 2011

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