

Abstract Submitted
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Fermionic Paired Superfluids at High Rotation Rate¹ MARTIN Y. VEILLETTE, DANIEL E. SHEEHY, VICTOR GURARIE, LEO RADZIHOVSKY, University of Colorado — I will describe our recent work on rotating resonantly-paired superfluids, mapping out the Feshbach resonance detuning, temperature and rotational frequency phase diagram. I will compare our predictions with the recent experiments on degenerate atomic ^6Li gases across a Feshbach resonance [Zwierlein et al. Nature **435**, 1047 (2005)] and will make proposals for future experiments in such systems.

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