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An atomic Fermi gas near a p-wave Feshbach resonance

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Atomic scattering resonances, called Feshbach resonances, have been used to create molecular Bose-Einstein condensates and Fermi superfluids. Past work has focused on s-wave, or non-rotating, pairs created from two fermionic atoms. I will report on investigations of pair creation in an ultracold Fermi gas of potassium-40 atoms near a p-wave Feshbach resonance.