

Abstract Submitted
for the DAMOP20 Meeting of
The American Physical Society

Microwave control of ultracold molecular collisions TIJS KAR-
MAN, ITAMP - Harvard University — Microwaves can be used to engineer long-
range interactions between ultracold polar molecules. Resonant dipole-dipole inter-
actions induce strong interactions and high scattering rates in molecules collisions.
Repulsive long-range interactions can be used to shield molecules from short-range
loss.

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Date submitted: 30 Jan 2020

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