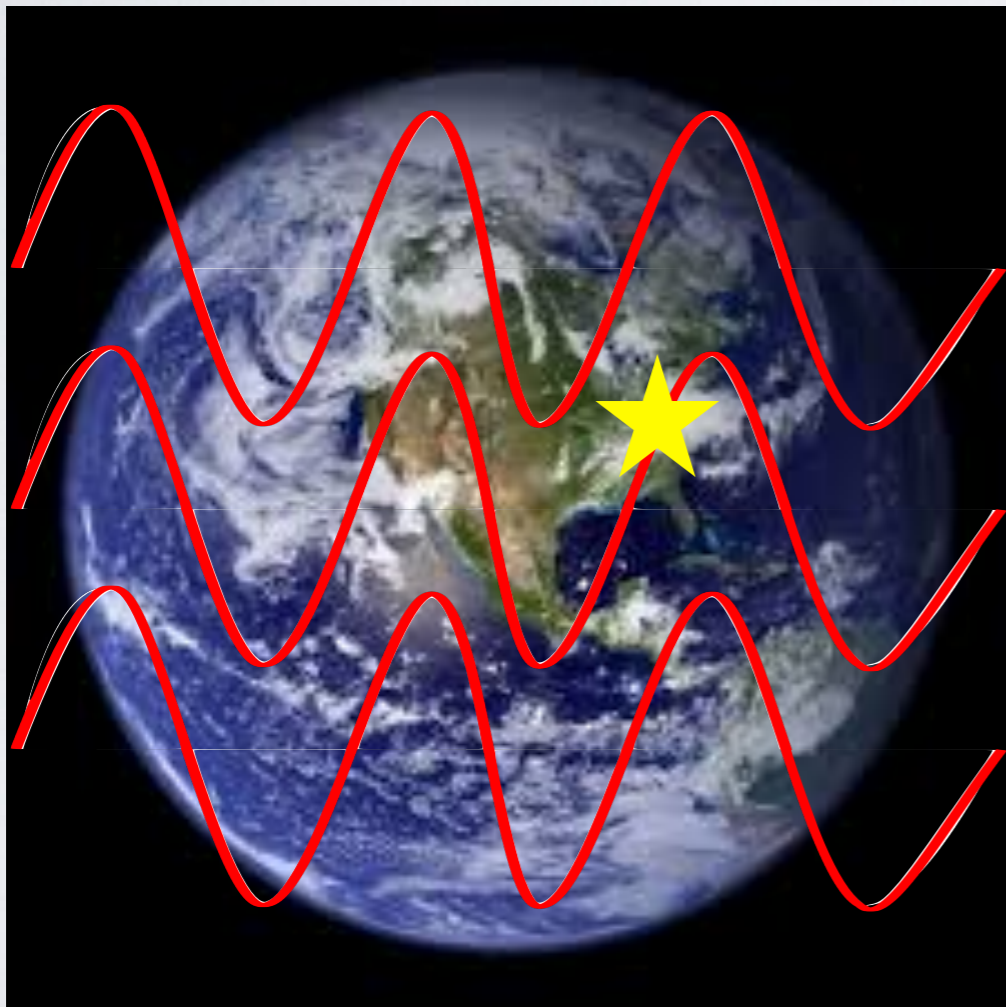# DARK MATTER INTERFEROMETRY
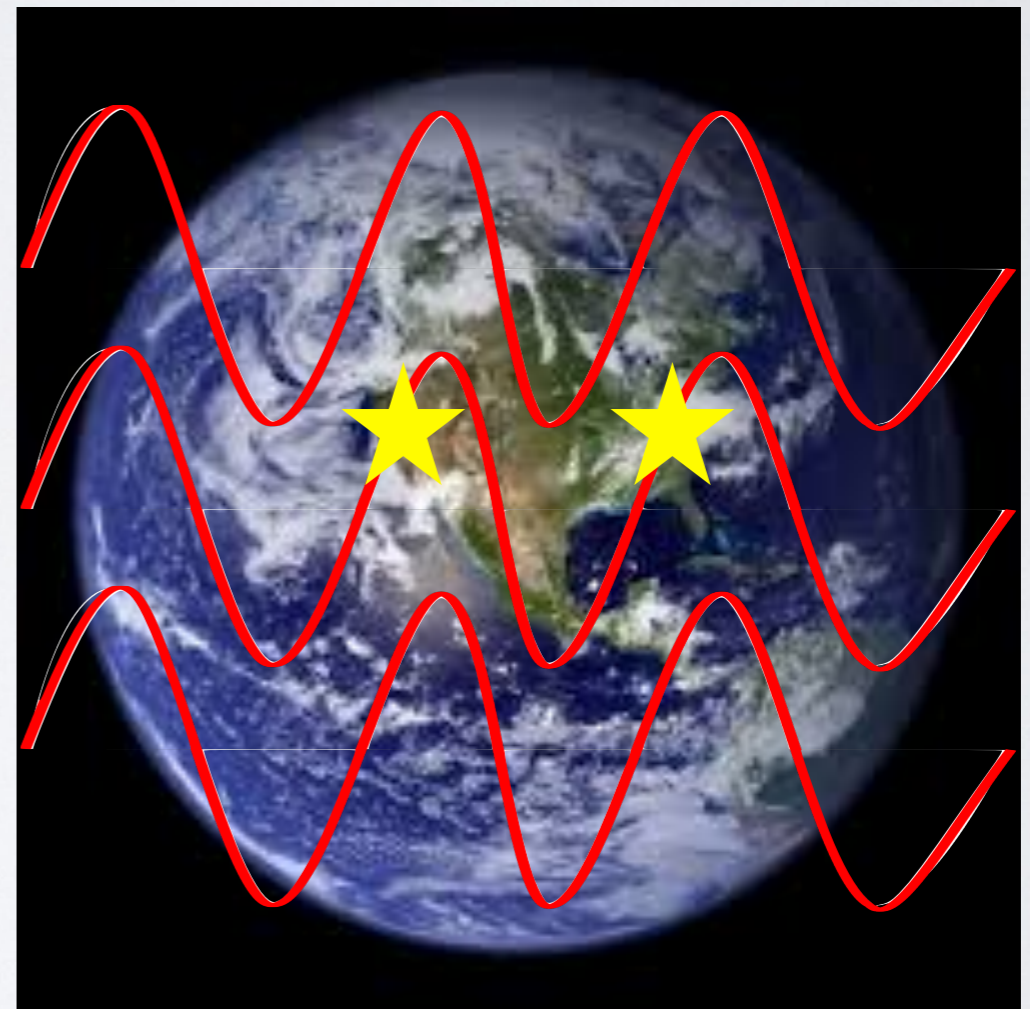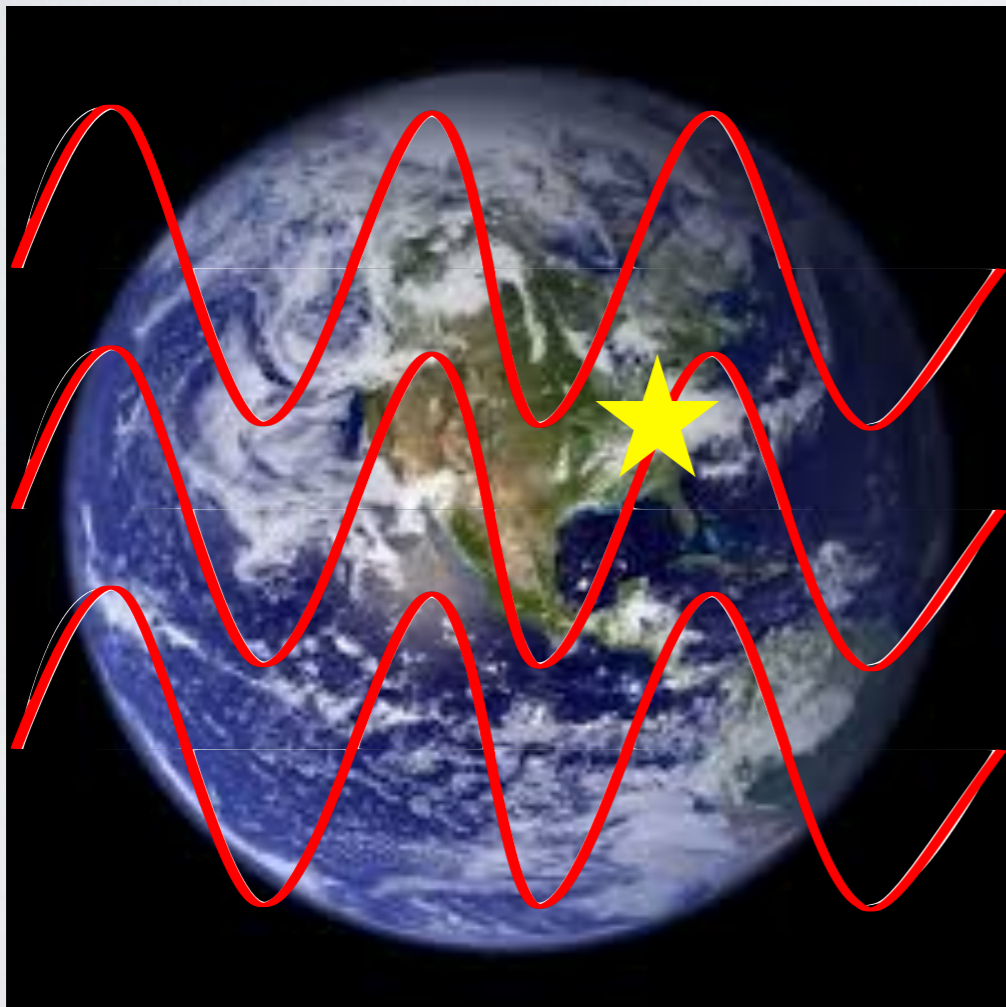
Rachel Nguyen
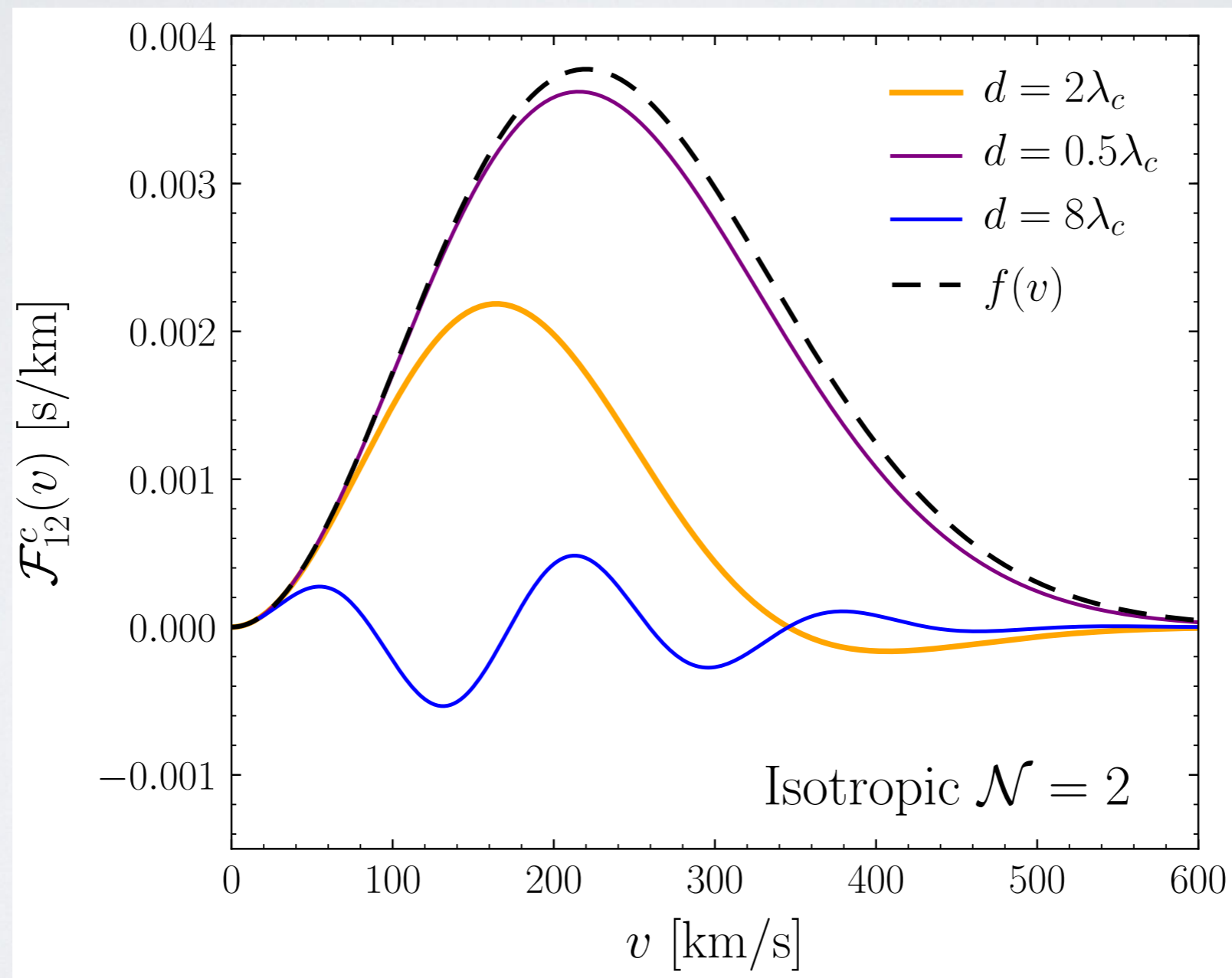In collaboration with Joshua Foster, Yoni Kahn, Nick Rodd, Ben Safdi

CONSIDER WAVELIKE DARK MATTER

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SIGNALS FROM BOTH DETECTORS ARE CORRELATED

TWO DETECTORS CAPTURE DIRECTIONAL INFORMATION

North-South

East-West

$\widetilde{\Theta}(\theta,\phi)/\mathrm{TS}_0$

0.26   0.68