Neutron spectra indicate substantial bulk-fluid motion and low-mode areal-density (ρR) asymmetries near peak convergence in NIF implosions

NIF target bay

Spectrometer (73°-324°)

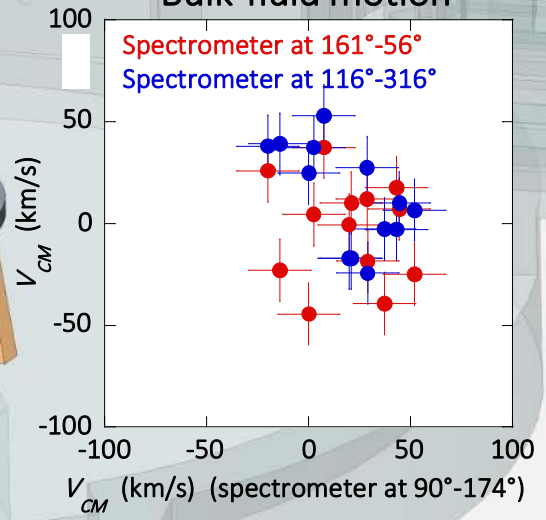
Spectrometer (116°-316°)

Spectrometer (90°-174°)

Spectrometer (161°-56°)

The hypothesis is that these observations are mainly driven by radiation drive asymmetries and instabilities seeded by the fill-tube and thin tent holding the capsule in the Hohlraum.

Bulk-fluid motion



Low-mode ρR asymmetries