

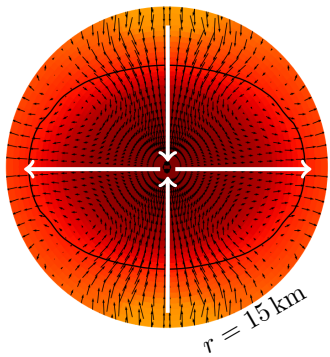
Gravitational Waves from Rapidly Rotating Supernovae

How does the nuclear equation of state influence GW signals?

Sherwood Richers, C. D. Ott, E. Abdikamalov, E. O'Connor, C. Sullivan

1824 2D GRHD simulations

18 nuclear EOS, 98 rotation profiles



Centrifugal support deforms the core

$l = 2$ f -modes excite GWs

Differences in the EOS create **observable** differences in the GW signal.

