

# Constraining spin-2 fields during inflation with LISA

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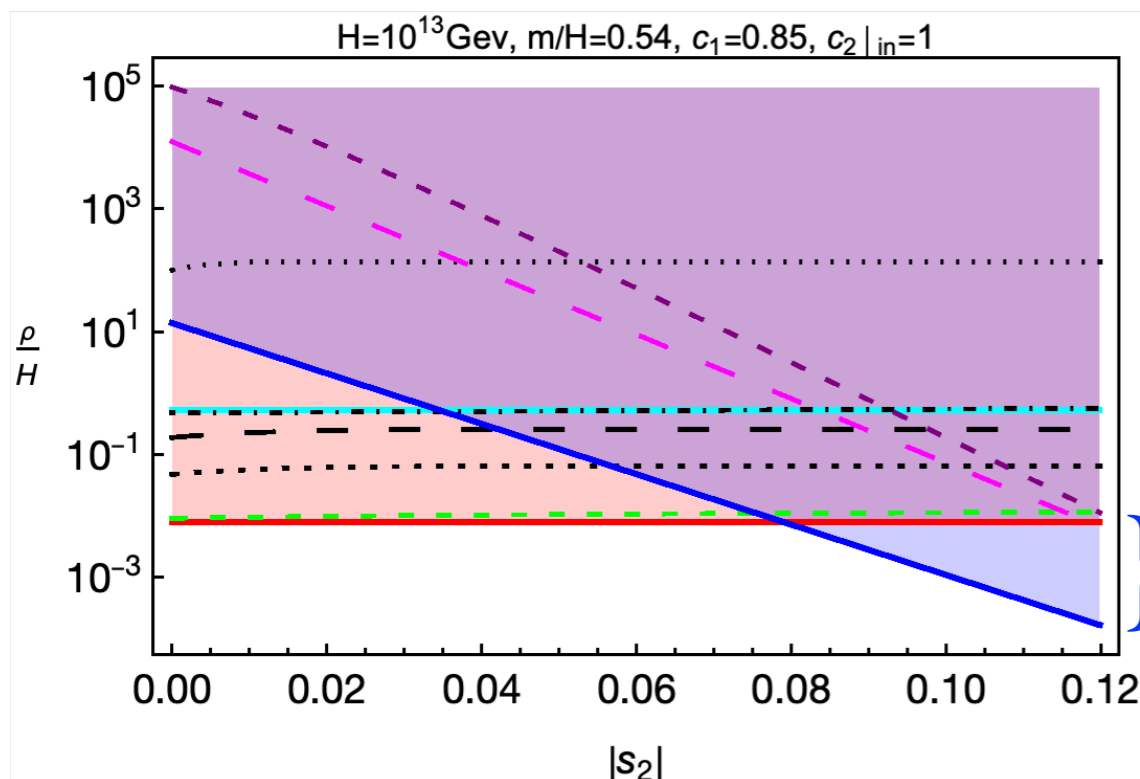
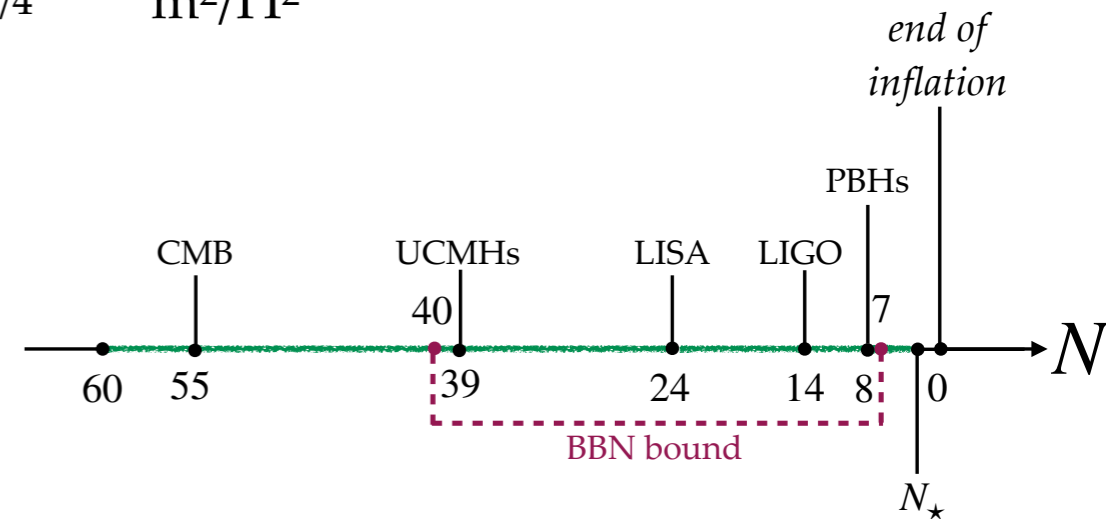
Supervised by: David Wands, Matteo Fasiello, Hooshyar Assadullahi

- non-minimal coupling with the inflaton: light particles are allowed



- *linear* sourcing of primordial GWs

- set up: *time-dependent* sound speeds  $\{c_0, c_1, c_2\}$ , constrained by theoretical and experimental bounds



red region: excluded by bounds  
blue region: can be surveyed by LISA

LISA can be an efficient probe in constraining the inflationary field content