Pure Chromo-Natural Inflation: Navigating through Tensor Backreaction

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Chromo-Natural Inflation: Axion + SU(2) Gauge Fields

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Chromo-Natural Inflation: Axion + SU(2) Gauge Fields

In a Chromo-Natural setup, consistent with present-day CMB constraints, it **is inevitable to reach a regime where tensor backreaction is relevant.**

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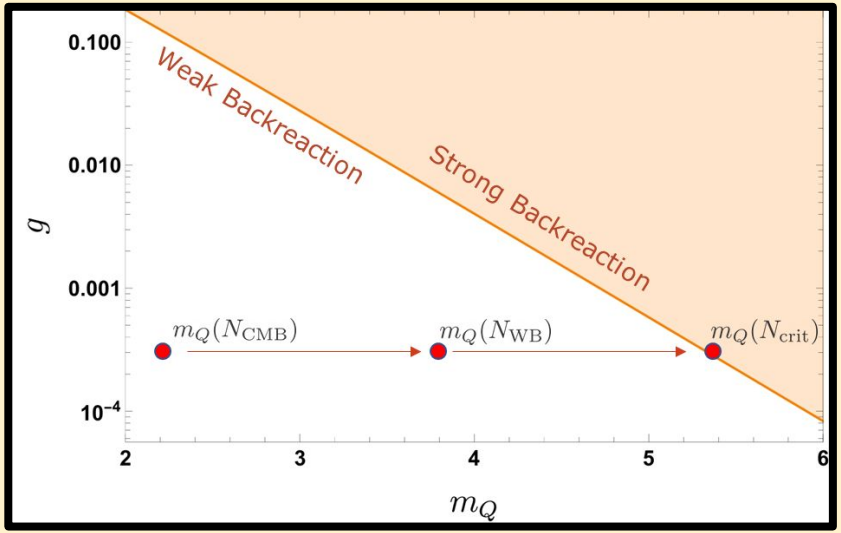

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Evolution of the system including tensor Backreaction.

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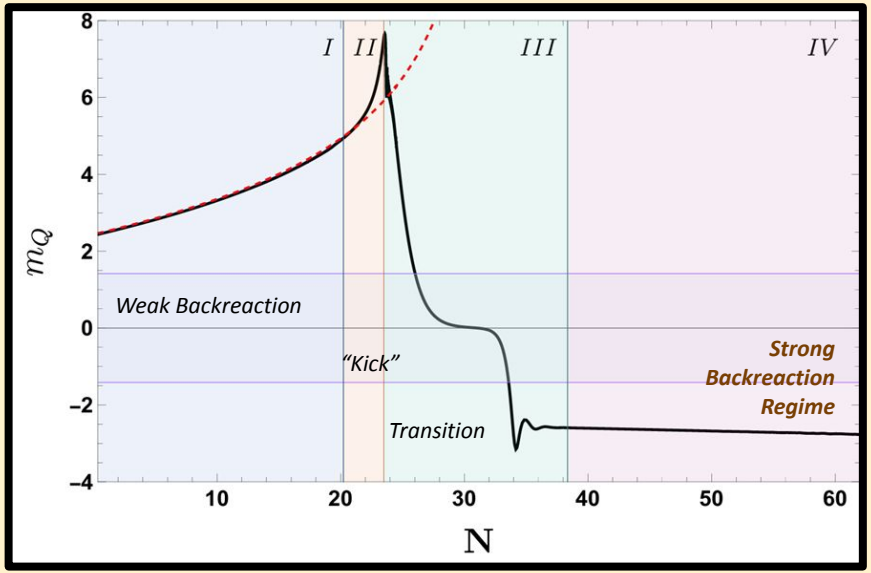

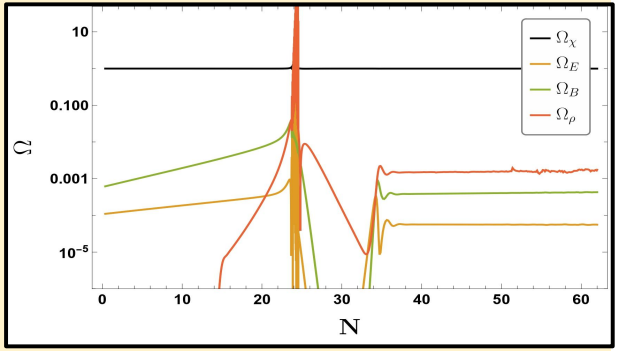

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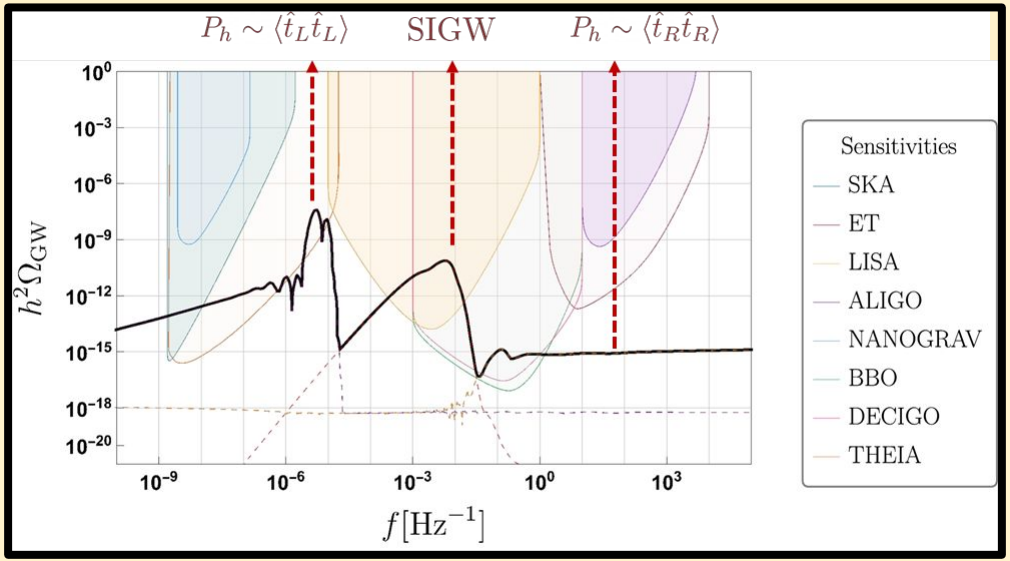
Features in the Gravitational Wave Spectrum



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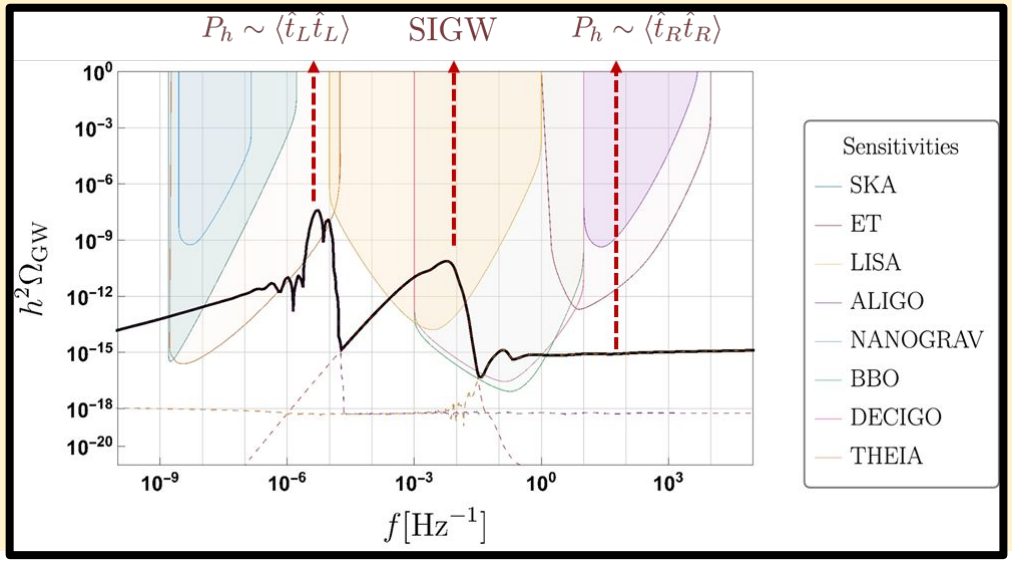

What About:

- Chirality of this GW signal**?**
- Tachyonic instability on the Scalar sector?
- Scalar Power Spectrum?
- Potential election?
- Parameter Space range?

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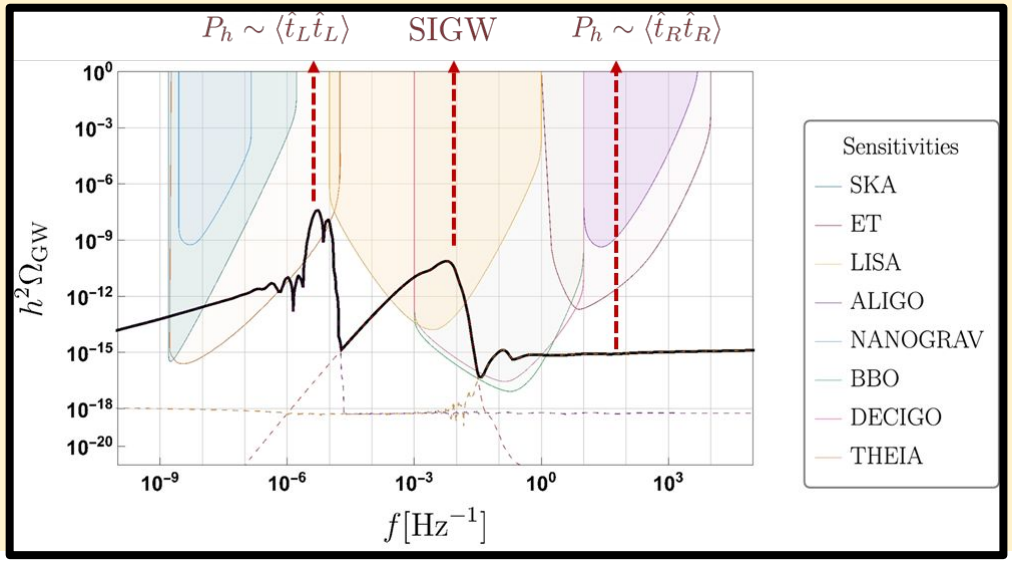

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Let's discuss them along the poster!