

Natural Inflation and Low Scale Supersymmetry

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Abstract content

Natural (axionic) inflation provides a well-motivated and predictive scheme for the description of the early universe. It leads to sizeable primordial tensor modes and thus a high mass scale of the inflationary potential. Naively this seems to be at odds with low (TeV) scale supersymmetry, especially when embedded in string theory. I will outline in the talk that low scale supersymmetry is compatible with natural (high scale) inflation in a string inspired setup. The mechanism requires the presence of two axions that are provided through the moduli of string theory.

Summary

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