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**Inflationary squeezed bispectrum and super-horizon modes**

ANNE-SYLVIE DEUTSCH, SARAH SHANDERA, Penn State — Generically, inflation predicts a larger number of e-folds than the  $N = 60$  required to solve the horizon problem. Therefore, our observations only probe a sub-volume of the whole patch generated during inflation, and the locally observed statistics might be different than the statistics in the large volume, inducing a bias, or variance, on the locally observed cosmological parameters. We study the coupling between sub- and super-horizon modes and its impact on late time correlation functions of the curvature perturbation. In particular, in this talk, we focus on the case of the bispectrum in the squeezed limit, a popular probe to study the properties of multi-field inflation.

Anne-Sylvie Deutsch  
Penn State

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