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Particle Physics at LPTHE

Mardi 29 Octobre 2019, 14 :00
LPTHE, library
Domaines : hep-ph

Titre : *Is it a small world after all ? Searching for the shape of the universe*

Orateur : **Glenn Starkman (CWRU)**

Résumé : *We know the average spatial curvature of the universe is very small, but that is just simplest aspect of its large-scale shape. What is the topology of the universe ? So far our searches for topology have yielded only limits. But when the search space is multi-dimensional, and the searches are specialized, how constraining are they ? Meanwhile there are tantalizing hints in the large-angle anomalies of the cosmic microwave background that they may be signs of non-trivial cosmic topology. We will discuss.*