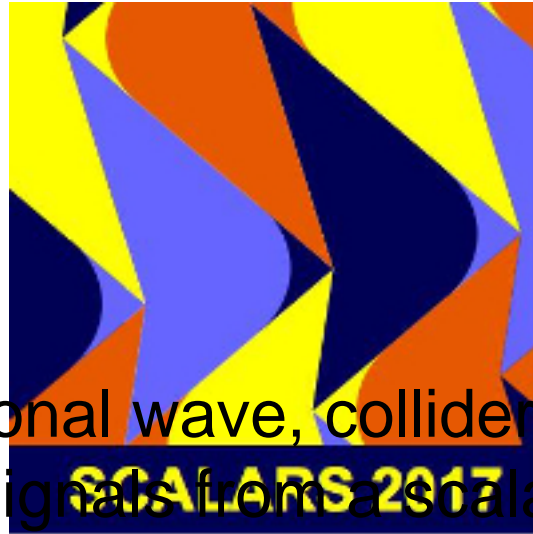


Scalars 2017



Contribution ID : 10

Gravitational wave, collider and dark matter signals from a scalar singlet electroweak baryogenesis

Saturday 02 Dec 2017 at 16:15 (00h15')

Content :

I will discuss a simple extension of the SM with just an additional scalar singlet coupling to the Higgs. My main focus will be the possible probes of electroweak baryogenesis in this model including collider searches gravitational wave detection and direct dark matter detection experiments. I will show there are regions in the parameter space where observation of gravitational waves is the most promising way of finding evidence for this model.

arXiv:

1702.06124

Primary authors : LEWICKI, Marek (University of Warsaw)

Co-authors :

Presenter : LEWICKI, Marek (University of Warsaw)

Session classification : parallel session 4

Track classification : --not yet classified--

Type : --not specified--