



Contribution ID: 25

Type: **Parallel talk**

## **Gravitational wave, collider and dark matter signals of a singlet scalar electroweak baryogenesis**

*Tuesday, 20 June 2017 15:15 (15 minutes)*

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.

### **Presentation type**

Parallel talk

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