

Statistical issues for Higgs and new physics searches

Thursday 16 July 2009 11:00 (20 minutes)

How should we interpret discovery sensitivity plots and exclusion plots?

What are the expected limits vs the actual ones?

Was the look elsewhere effect taken into account?

Why do Bayesian and frequentist approaches sometimes give very different answers?

In a short review we will try to answer these and other questions that some of us wanted to ask but wouldn't dare.

Primary author: Dr GROSS, Eilam (Weizmann Institute)

Presenters: Prof. GROSS, Eilam (Weizmann Institute of Science); Dr GROSS, Eilam (Weizmann Institute)

Session Classification: III. Higgs and New Physics

Track Classification: Higgs and New Physics