Contribution ID: **30**   Type: **not specified**

Status of direct detection experiments and their approaches to statistical inference

Wednesday 31 July 2019 11:40 (30 minutes)

In this talk I will give an overview of the current status of recent and future direct detection experiments and outline the practices that have been adopted for statistical inference from data and for making sensitivity projections. I will then discuss why a common approach to the choice of test statistic, the procedure for switching from a discovery mode to signal characterization and the p-value required for discovery would be beneficial to the direct detection community.

Primary author: Dr DOBSON, Jim

Presenter: Dr DOBSON, Jim

Session Classification: General