Contribution ID: **180** Type: **Parallel Sessions**

Spin Probes of Physics Beyond the Standard Model

Monday, 10 September 2018 17:20 (40 minutes)

The ability to manipulate or measure a particle's spin played a key role in the rise of the Standard Model (SM), and it continues to be crucial to the elucidation of physics that the SM cannot explain. Hints, e.g., to the origin of dark matter, of the cosmic surfeit of baryons, or of the weak scale could conceivably come from experiments that exploit spin degrees of freedom. I will offer a perspective of the discovery opportunities, drawing examples from a broad range of experiments at the precision frontier.

Primary author: Prof. GARDNER, Susan (University of Kentucky)

Presenter: Prof. GARDNER, Susan (University of Kentucky)

Session Classification: Fundamental Symmetries and Spin Physics Beyond the Standard Model

Track Classification: Fundamental Symmetries and Spin Physics Beyond the Standard Model