

Polarization Puts Physics in a Spin

John Ellis

Physics Department ,Theory Division, CERN, CH1211

Polarization experiments expose repeatedly limitations in our understanding and provide new insights into the physics of the Standard Model and its possible extensions. In addition to introducing hot current topics such as the spin of the nucleon, the anomalous magnetic moment of the muon and other low-energy measurements, this talk will also advertise the prospects for spin effects in dark-matter detection and high-energy proton-proton, electron-proton and electron-positron collisions.