

# **Violent Collisions of Spinning Protons: Past, Present & Perhaps at Fermilab**

*Wednesday, 12 September 2012 12:15 (25 minutes)*

## **Summary**

First will be a review of the history of elastic scattering and polarized proton beams, and the unexpected and still unexplained large transverse spin effects found in high energy proton-proton spin experiments at the ZGS, CERN, AGS, Fermilab and RHIC. Next, will be a discussion of possible transverse spin experiments on violent elastic and inclusive collisions of polarized protons at Fermilab's new high-intensity Main Injector.

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