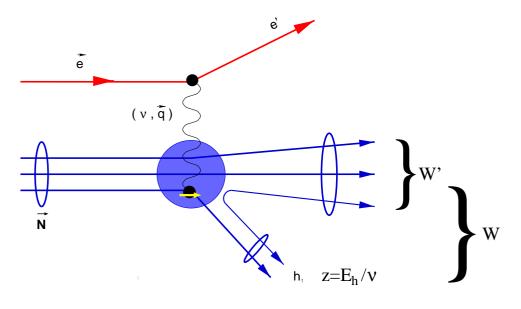
Semi-exclusive Spin Asymmetries on the Nucleon Experiment

Spokesperson: P. Bosted, D. Day, X. Jiang and M. Jones



Measure spin asymmetries in

$$(\vec{e}, e'h)X \ h = \pi^{\pm}, K^{\pm}$$

on a polarized proton and deuteron target in a parallel magnetic field.

- BETA detects e' at 30°
- HMS detects coincident π^{\pm}, K^{\pm} at a central momentum of 2.7 GeV/c and 11°

New for Semi-SANE

- Need LiD and ND₃ in addition to NH₃ target
- Move BETA to 30° (only running with parallel target field). Time to complete 1 week.
- In HMS , need PID to separate p/K/ π/e
 - p/K separation by standard n=1.3 aerogel
 - K/π separation by Gas Cerenkov at 1.5atm
 - π /e separation by lead-glass calorimeter
- Need to rotate Gas Cerenkov windows from concave to convex for overpressure. Time to complete 1 week.