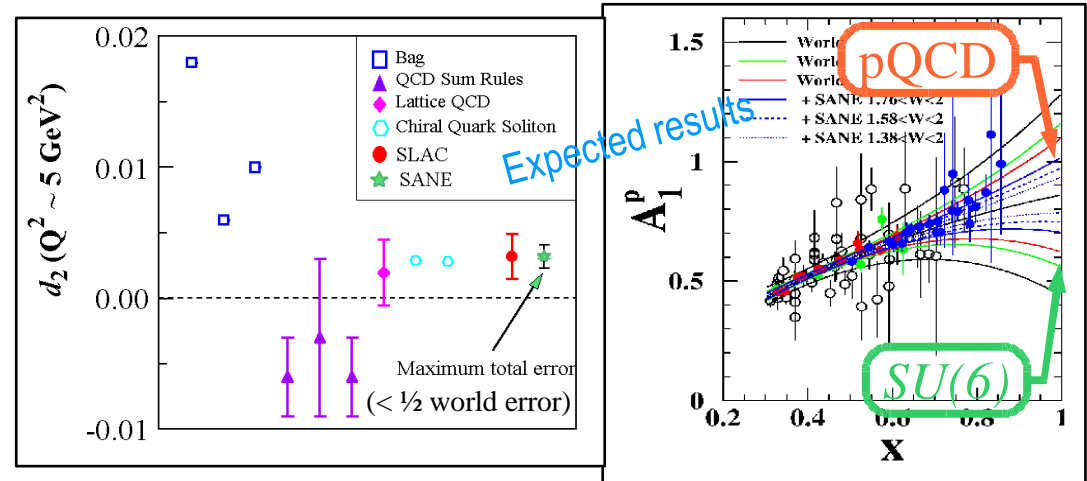
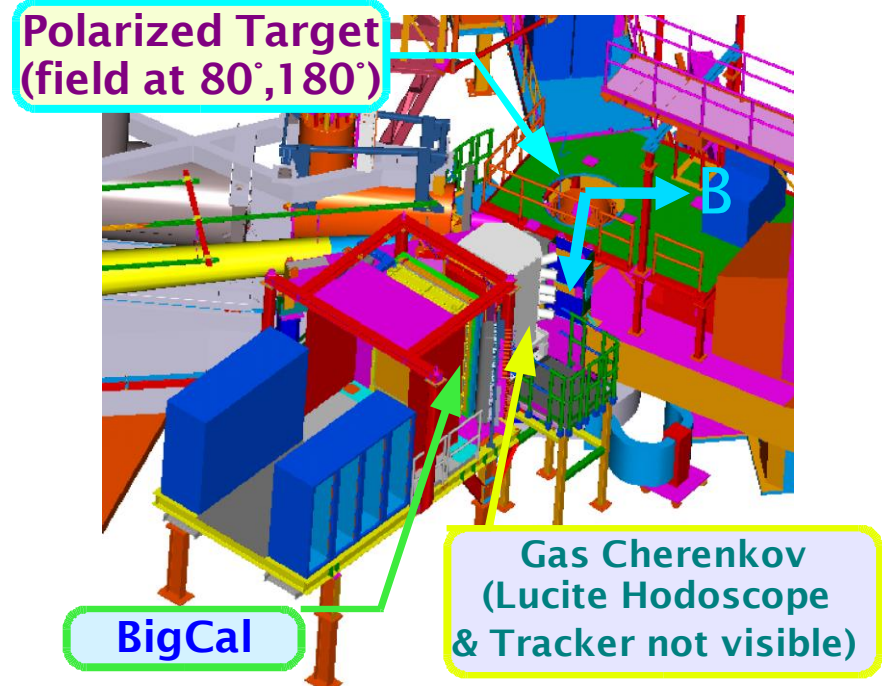


Spin Asymmetries of the Nucleon Experiment - SANE

(TJNAF E07-003)

- **PHYSICS:** proton spin structures $g_2(x, Q^2)$ and $A_1(x, Q^2)$ for $2.5 \leq Q^2 \leq 6.5 \text{ GeV}^2$, $0.3 \leq x_{\text{Bj}} \leq 0.8$
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 - test nucleon models (x dependence) and Q^2 evolution
 - explore $A_1(x \rightarrow 1)$; test polarized local duality
- **METHOD:** Detect **CEBAF 4.8 & 6 GeV polarized electrons** scattered on **solid polarized ammonia target** with **BETA**, a novel large solid angle electron telescope (BigCal + Cherenkov + Lucite + Tracker)



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