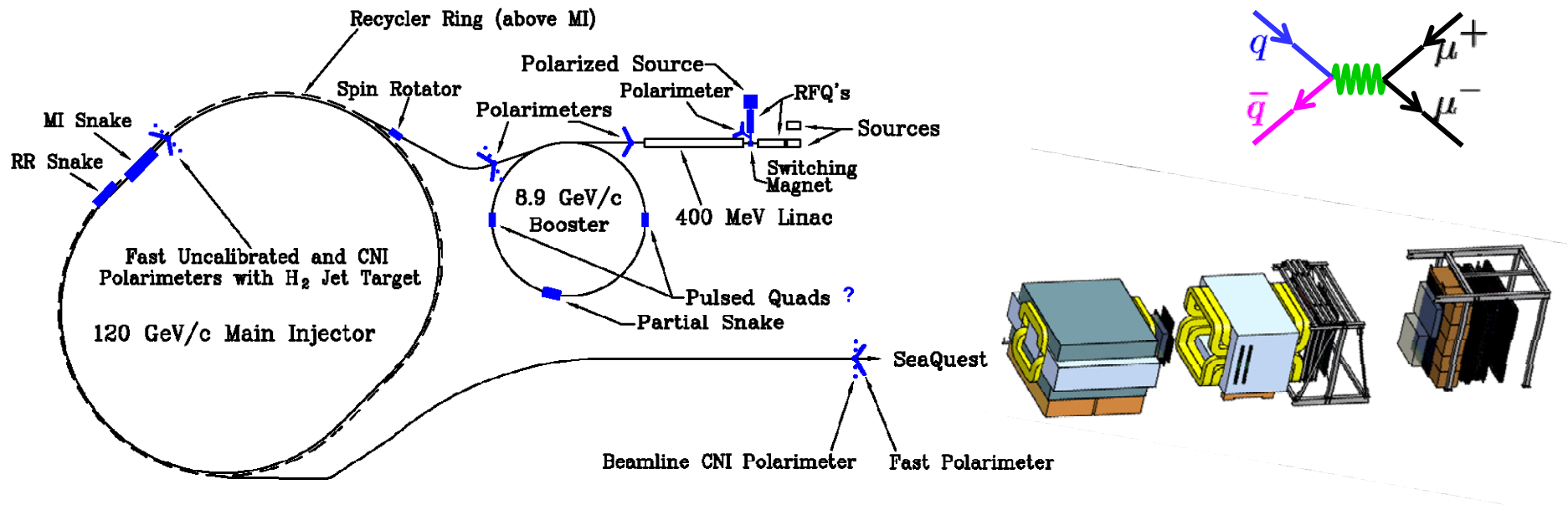


Polarized Drell-Yan at Fermilab Main Injector

- Polarize Beam in Main Injector & use SeaQuest dimuon Spectrometer
 - ➡ measure Sivers asymmetry



- Sivers function
 - ➡ captures non-perturbative spin-orbit coupling effects inside a polarized proton
 - ➡ is time-reversal odd:
 - ✓ leads to sign change:
Sivers function in DIS = - Sivers function in Drell-Yan
 - ✓ fundamental prediction of QCD