

**Proposal:** PR12-06-117 Hall-B

**Title:** Quark Propagation and Hadron Formation

**Contact:** W. Brooks

**Description:** The proposal represents a broad program of measurements to study quark propagation and hadronization in the nuclear medium by detecting many different particles in the final state.

**Beam time request** 60 days

**Tune up time included?** No

**Configuration changes included?** No

**Electron beam energy:** 11 GeV

**Electron beam current/luminosity:**  $10^{35} \text{ cm}^{-2} \text{ s}^{-1}$

**Electron beam polarization:** N/A

**Targets:** D<sub>2</sub>, C, Al, Ti, Cu, Sn, Pb

**Instrumentation:** Standard CLAS12 for electron running

**Trigger:** Scattered Electron

**Special requirements/requests:** None

**Comments:**

1) The proposal is a straight-forward extension of the 5 GeV experiment with CLAS (eg2). An open inclusive electron trigger will be used.

