

# Experimental Safety Assessment Document (ESAD)

## for Hall A Experiment 08-011

### September 23, 2009

The PVDIS experiment is scheduled to run from 30 October to 23 December 2009. The experiment uses the Hall A base equipment, as well as specialized equipment for parity experiments. Specifically, the experiment will use:

- The standard Hall A beamline, as described in the Hall A OSP.
- The standard Hall A Compton polarimeter, as described in the Hall A OSP.
- The standard Hall A Møller polarimeter, as described in the Hall A OSP.
- The deuterium cryotarget using the 25cm or 20cm cells. Trained target operators are required for each shift. The target operators are trained on safety related issues.
- The two High-Resolution Spectrometers (HRS) as described in the Hall A OSP
- The Standard HRS detector packages, also described in the Hall A OSP.
- The Hall A luminosity monitor, installed on the beamline after the target. This detector has been frequently used since installation in 2004. No TOSP is required.