Analysis Meeting 9/30

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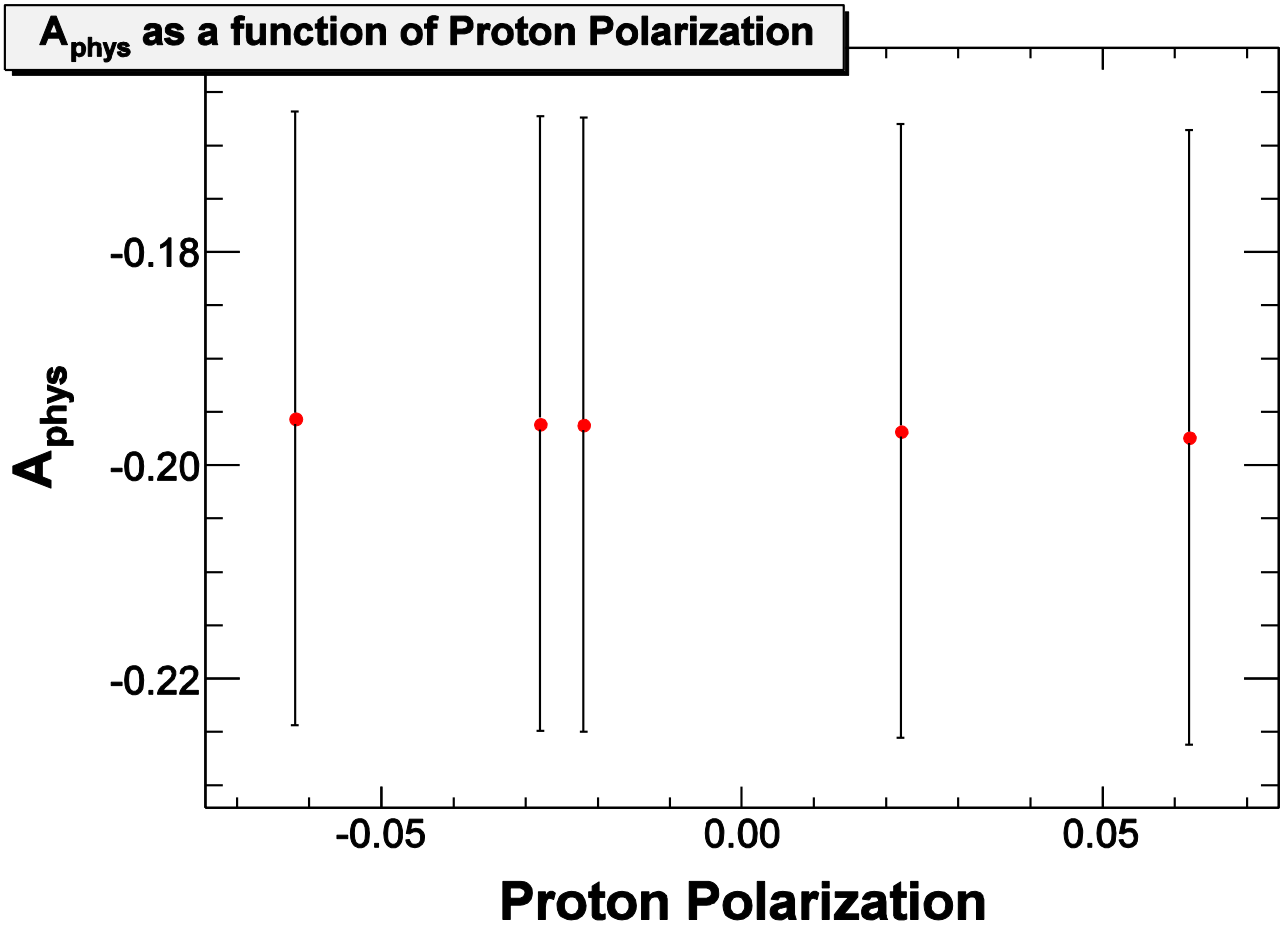
Status

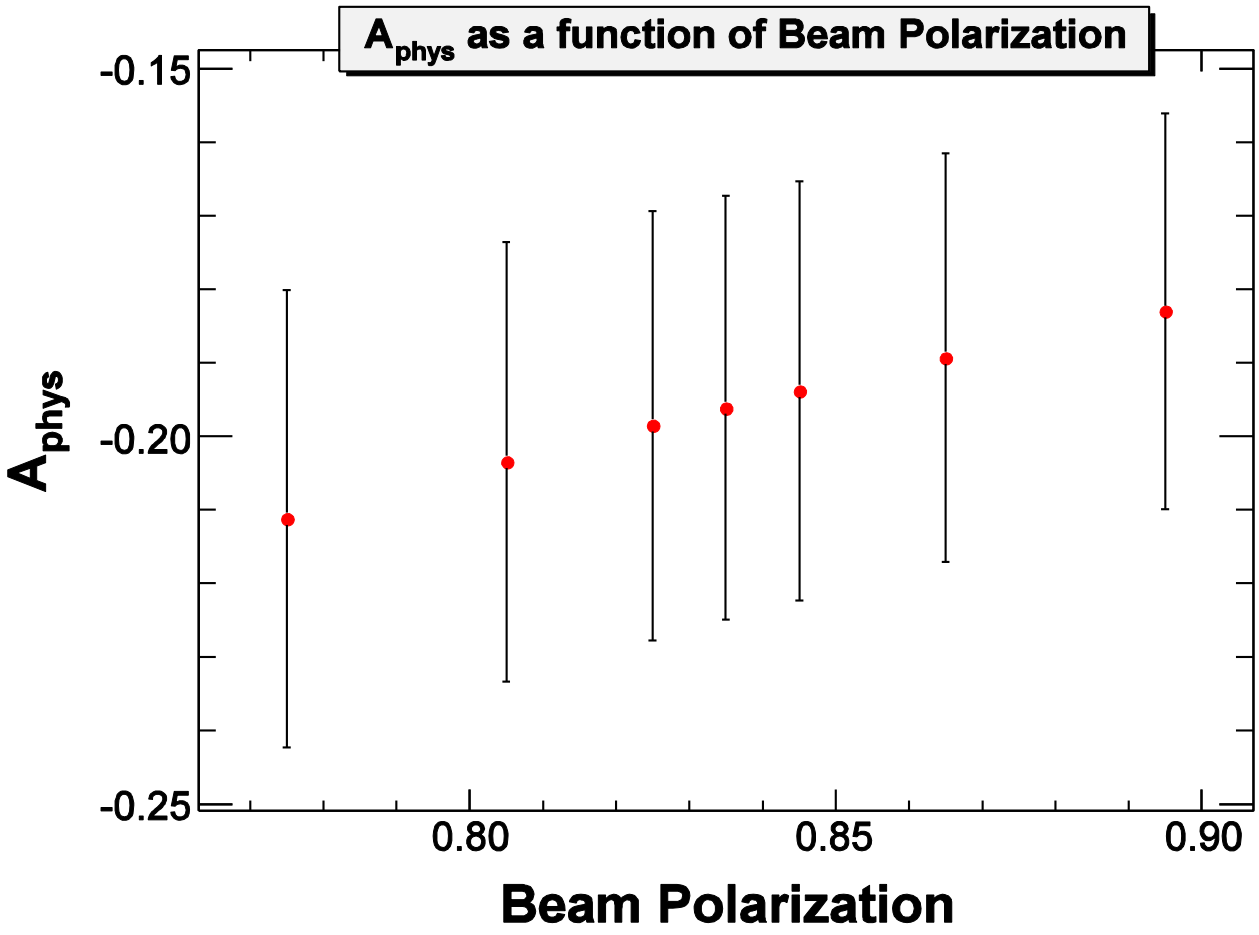
- Thesis
  - Redoing error analysis to properly take into account some systematic errors.
- Analysis
  - Kin2 is processed.
  - I get a lower value than Seamus, but within uncertainty.
  - Kin3 will be processed soon.
- Error Analysis
  - Understanding systematic errors.
  - Plots for Kinematic 2b.

Proton Polarization



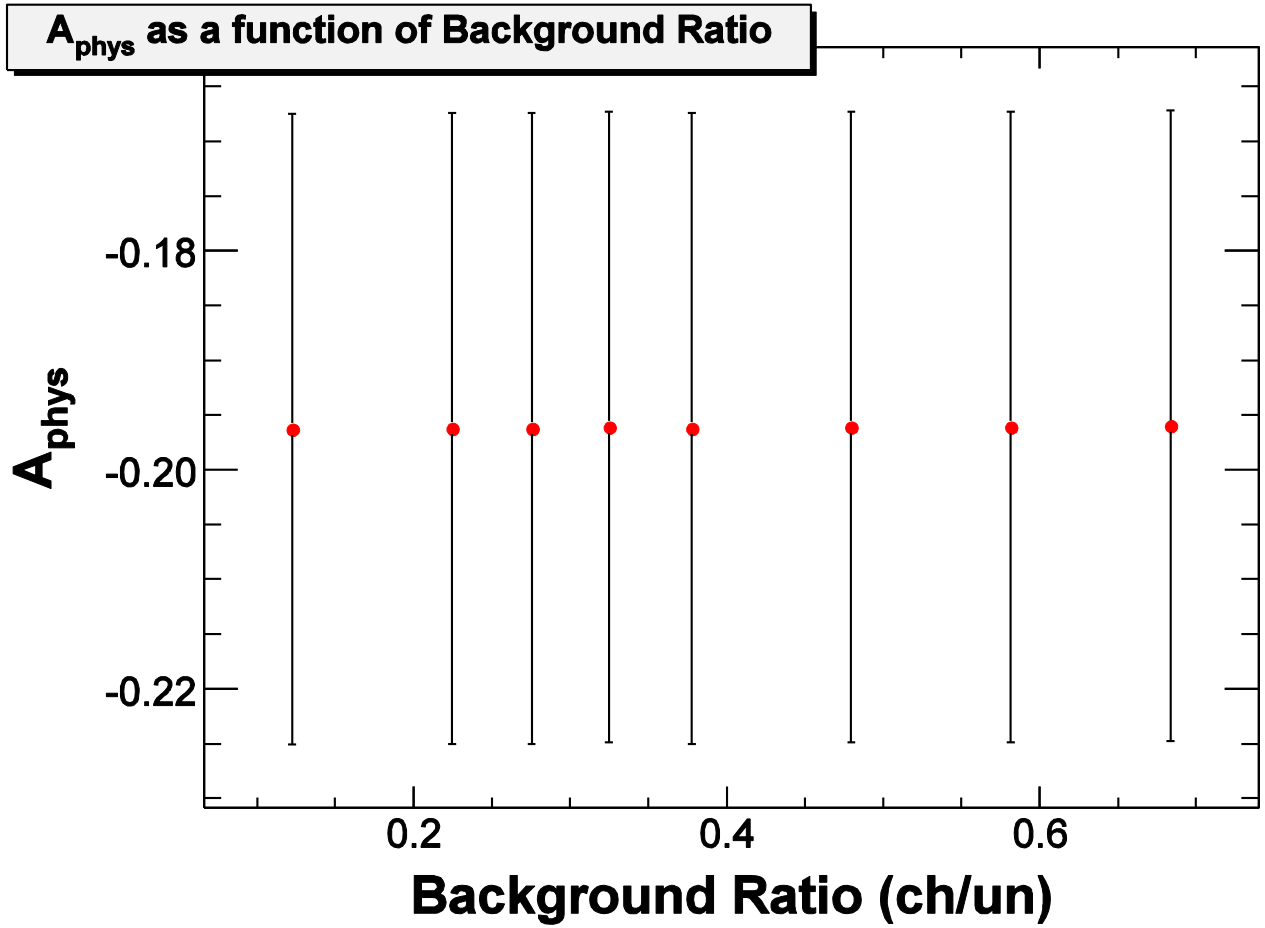
Uncertainty shown is statistical in nature. This polarization is a key component of the physical proton asymmetry correction to the physical neutron asymmetry. As seen, the dependence of A_{phys} is minimal. Current value used is -0.028 with a 14% estimated error.

Beam Polarization



Uncertainty shown is statistical in nature. This polarization is a key component of the physical neutron asymmetry. calculation As seen, the dependence of A_{phys} is large. Current value used is 0.835 with a 1.3% estimated error and a 2% scale error.

Background Ratio



Uncertainty shown is statistical in nature. This background is a component of almost all factors in the calculation of the physical neutron asymmetry. As seen, the dependence of A_{phys} is minimal. Current value used is 0.325 with a 15% estimated error.