MEASUREMENT OF THE A-DEPENDENCE OF J/ψ AND ψ' PHOTOPRODUCTION
E160

Keith Griffioen
College of William & Mary
E159/E160/E161 Collaboration Meeting

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- What do we know about J/ψ and ψ' production and their interactions with hadrons?
- Details of the E160 experiment.
- Tasks to be assigned.

Summary of EPAC Talk

- [Here was a summary of the 8 November 2000 EPAC talk]
- see http://www.slac.stanford.edu/exp/e160/jpsi_talk.ps or (.pdf)

Tasks

- Target: design, construction, materials
- Spectrometer: configuration, fields, shims, power supplies, field mapping, $\int B \cdot d\ell$.
- Absorber: modeling, tungsten jacket design
- Hodoscopes: number of planes, size of fingers, ghost resolution, recycling old tubes and scintillator, purchasing components, construction
- Simulations: backgrounds (photons, neutrons, Bethe Heitler), resolution, count rates, tracking, model predictions
- Electronics: equipment (TDCs, HV, cables, logic), setup, testing
- Data Acquisition: hardware upgrade, software upgrade
- Beam line: collimators, monitors

ODU Commitment to Hodoscope Project

- Sebastian Kuhn (prof.) $\frac{1}{3}$ of research time
- Andy Klein (prof.): $\frac{1}{3}$ of research time
- ODU technician: half time
- student: half time

W&M Commitment to Hodoscope Project

- W&M Group (Averett, Armstrong, Finn, Griffioen): committed to construction of $\frac{1}{3}$ of hodoscope project.
- W&M Machine Shop: will be able to fabricate frames and other required machining for E160.
- Grad Students: some fraction of the 6–8 students in the group will be able to get hardware experience on this project
- Undergraduates: 2–3 undergraduates 10 hours per week
- Equipment: W&M owns UV lamp and has wide experience with UV-curing epoxy for scintillators