The Helium Minimum

July 7, 2000

Information Repository

Web page with pointers to reports on studbolt —-JT

1. summary of beamtime request
2. proposal
3. pointers to xxx papers

PID

pi-e Report on the pi to e ratio in all kinematics —JHM

1. Cerenkov Pump Bogdan for info. – -JT
2. Make commissioning plan for Cerenkov — JT, JHM
3. Analysis kumacs —JT
4. Look at some shower counter data, low priority.

Singles

electron this is a side effect of the pi to e studies —JHM

hadron calculate rates—JHM

Kinematics

redo all kinematics for the web values of the energy, send results out– -JT

1. rates in “final” kinematics Aeexp —JT
2. rates in “final” kinematics MCEEP —JHM
3. Both must compute pm resolution and accuracy (JHM)

Target

Heat exchanger tracking — JHM will sit on Seely

1. Commissioning Plan — JHM
2. Boiling from scalers —JHM
3. Hydrogen - Helium changeover (ties back to main run plan)
4. Survey info—JHM

Optics

Detector switch over optics run-plan

1. run-plan —JT will pump Nilanga
2. survey of detector stacks—JT
3. optics databases—what energies have been measured, what do we need—JT
4. pointing—how is it determined from carbon foil measurements and the pointing gizmos ? What measurements do we need—JHM ?
5. Acceptance—to collimate or not to collimate ? Lerose six apertures ? —Student ?

Trigger

1. Timing calibrations — How is it done ? JHM
2. Computer Dead-time—-How is it done ? How are pre-scales handled ? Do we like it? JHM
3. Electronics Dead-time—-How is it done ? JHM
4. reaction losses in scintillators (lose S2 due to (p, n) in S1) – Meekins

Tracking

1. Chamber efficiencies . How do we know them—JT
2. Large multiplicity events. How are they handled. How many are there ? Are they getting worse ? Rate dependence ? —JT
3. Tracking efficiencies—How do we know it ? JT

Absolute Normalization JHM

1. charge normalization
2. target densities (pressure/temp)
3. target acceptance (ties back into optics/tracking)
4. absolute beam energy (ties back into *ep* measurements and target switch over issues)

Collaboration

1. Meeting plan, date and agenda ? April 3rd ? May 17th or 18th ? — JHM
2. Mailing List—JT , Ask Hall C —JT
3. Student, Algiers guy —JT
4. Shift schedules
5. COO-ESAD-RSAD—JHM

Run Plan!!