MAIN **PIBETA** ACTIVITIES DURING **1994**:

- ◦ COSMIC μ TOMOGRAPHY — CsI SURFACE TREATMENT TESTS
- • FABRICATED DEDICATED LINEAR ADDER–DISC. UNITS, SIGNAL SPLITTERS, AND GAIN STABILIZED PMT BASES
- • DEVELOPMENT RUN, JULY/AUGUST 1994:
  - ◦ IMPROVE STOPPED π^+ BEAM + TEST NEW ACTIVE TGT.
  - ◦ DIRECT CsI CALIBRATION WITH e^+/e^- BEAMS
  - ◦ DEVELOP THE $\pi \to e\nu$ TRIGGER + RUN
  - ◦ STUDY CsI γ RESPONSE USING REACTION $\pi^- p \to \pi^0 n$
  - ◦ IN–BEAM TEST OF TRIGGER ELECTRONICS + DAQ
- ◦ FABRICATED + TESTED BOTH CYLINDRICAL **MWPC**'S WITH NEW CATHODE READOUT ELECTRONICS
- • COMPLETED DESIGN + BEGUN ASSEMBLY OF **PV** COUNTERS
- • BEGUN CONSTRUCTION OF MECH. SUPPORT STRUCTURE
- • DESIGNED DET. PLATFORM, THERMO + COSMIC VETO HOUSE
- ◦ TESTED **DSC** PROTOTYPES + DESIGNED ZERO–SUPP. BOARD
- • DESIGNED CsI TEMPERATURE/HUMIDITY CONTROL SYSTEM