LPOL, TPOL Operation:

- Routine operation of LPOL and TPOL with minor problems
- LPOL/TPOL ratio increased from 1.07 to 1.12
- Systematic studies continued for LPOL and TPOL
- No clear candidate for the difference identified

CAVITY

- Cavity locked with beam in HERA
- Bremsstrahlung spectra recorded
- Synchrotron radiation from transverse target is significant in single photon mode using the SW-calo.
- Use Scraper at 39 meters (need water cooling)

Polarization at HERA

- **LPOL**
  - Fixed minor operation parameters
  - Systematic studies find no source of large ratio
  - Both Calorimeters (Crystal/SW) give similar values
  - Spare parts for laser maintenance have arrived
- **TPOL**
  - Systematic studies on hardware parameters give no clear indication on the large ratio
  - Offline analysis (fit to data) gives same polarization values with large (unreasonable) linear light polarization.
  - Reanalysis of CERN calibration data to double check the analyzing power

⇒ **IF THE REASON FOR THE LARGE LPOL/TPOL DIFFERENCE CAN NOT BY FOUND FROM CURRENT DATA RISE-TIME CALIBRATION MEASUREMENTS ARE MANDATORY!**

Requests:

- **revive depolarizer (parasitically to normal operation)**
- **Investige impact/relevance of rise-time data with non flat machine (3 rotators)**
- **Take rise time data with 3 rotators on**