12 GeV bakeout

- Peak current limited to about 42 mA by H1 beam temperature.
  CFK support tube for GO: max. 75^oC.

- Radiation monitor mostly rates tolerable.
  Rates reduced by factor 2 after 1st week of bakeout (e-gas from North left).

- Dynamic pressure peaks significantly reduced at NR 10.8 m and NR 8.3 m.
  NR 6.0 m and NR 3.6 m need further conditioning.

- Rest gas analyzers operational with beam, but need further shielding against solenoid stray field.

- Strong component of N_2/CO confirmed.
  No unpleasant surprises beyond CO_2 (A=44).

H1 Status

- Successful cosmics run for calibration and alignment in July.
- H1 shifts start 19.9.03.
- Drift chamber gases ready by 22.9.03.
  Background studies require one isolated e^+ bunch.
- Backward tagging system now has 4 stations: NR 6.0, 8.3, 10.8, and 19 m for p background monitoring.
- Lumi detector needs position scan for calibration and beam angle scan for acceptance determination, at 27.5 GeV.
- VFPS fiber detectors will be installed 29.9.03. Requires special p orbit around NL 220 m for optimal acceptance.
- Some physics analyses require ≈ 10 p pilot bunches for background subtraction.

Goals

- Luminosity operation with 120 bunches.
  Increasing beam currents as backgrounds allow.

- Start with right-handed e^+ polarization. Switch once before Christmas.
  First measurement of the polarization dependence of charged and neutral current cross sections at high Q^2.

- Commission the CIP and Fast Track triggers.

- Commission the VFPS.

- Long, stable data taking period in 2004.
  Exceed the HERA I integrated luminosity.