



**Machine Studies:
p-Optics Lumi,
e-Optics Injection**

**Single e+ Run,
21 mA**

**Proton Run:
Angle & Position
Scans in H1 & ZEUS**

Preparing e/p runs with increasing e+ current
 → BI-Bump turned downwards
 → automatised Orbit Correction for ZEUS Cal. Closing
 & for Lumi-File
 → Beam Beam Effect...? τ_p small

**Activation of NEG pumps in
SL 27m ... SL70m**

**e/p Luminosity Runs: 180
Bunches,
increasing e+ currents**

**In general ... some technical problems
(powersupply problems, power glitch, tune jumps in HERA-e, Pilotherm)**