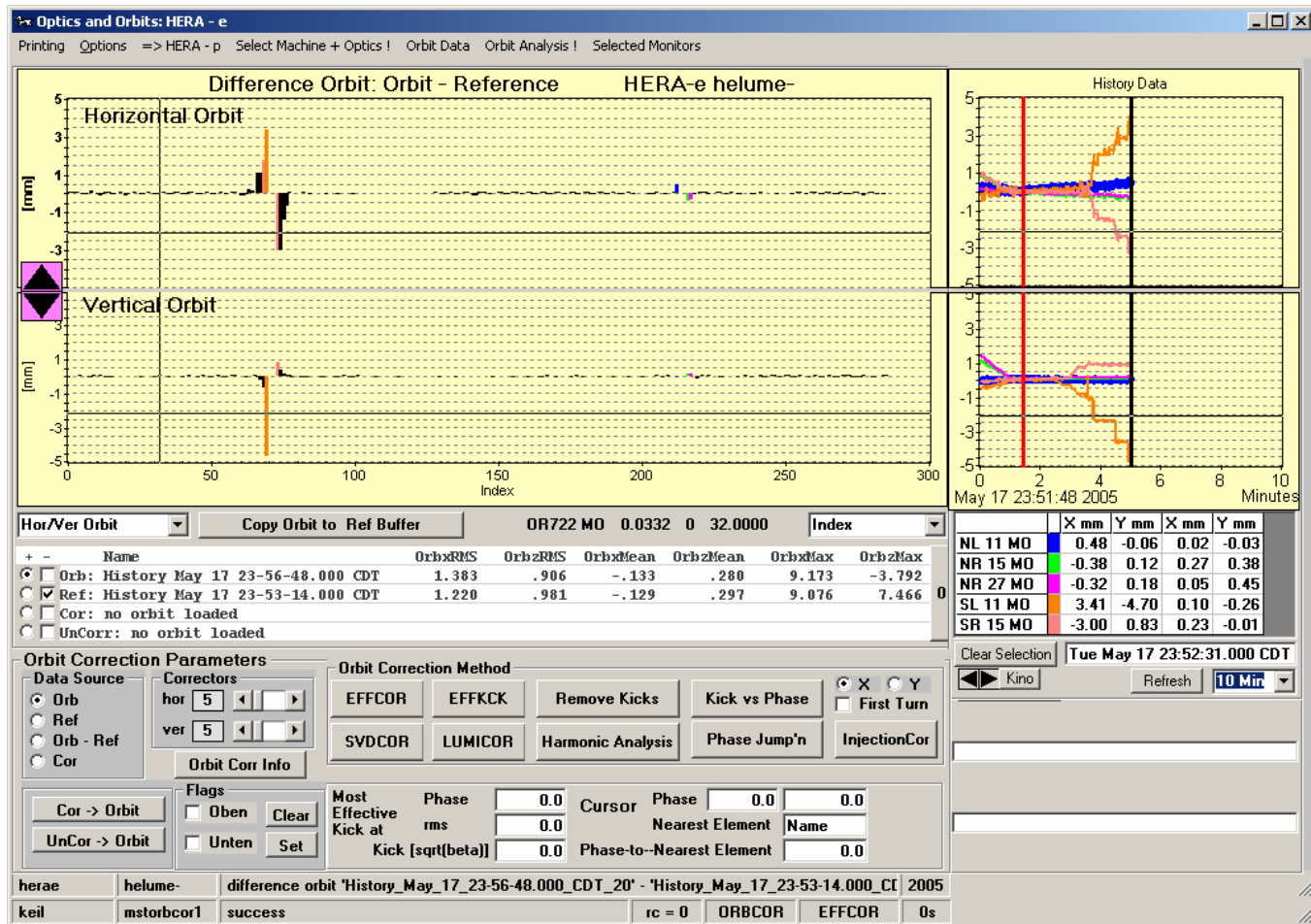


HERA Experiment Meeting, May 24<sup>th</sup>, 2005

# Vacuum Leak NR 15

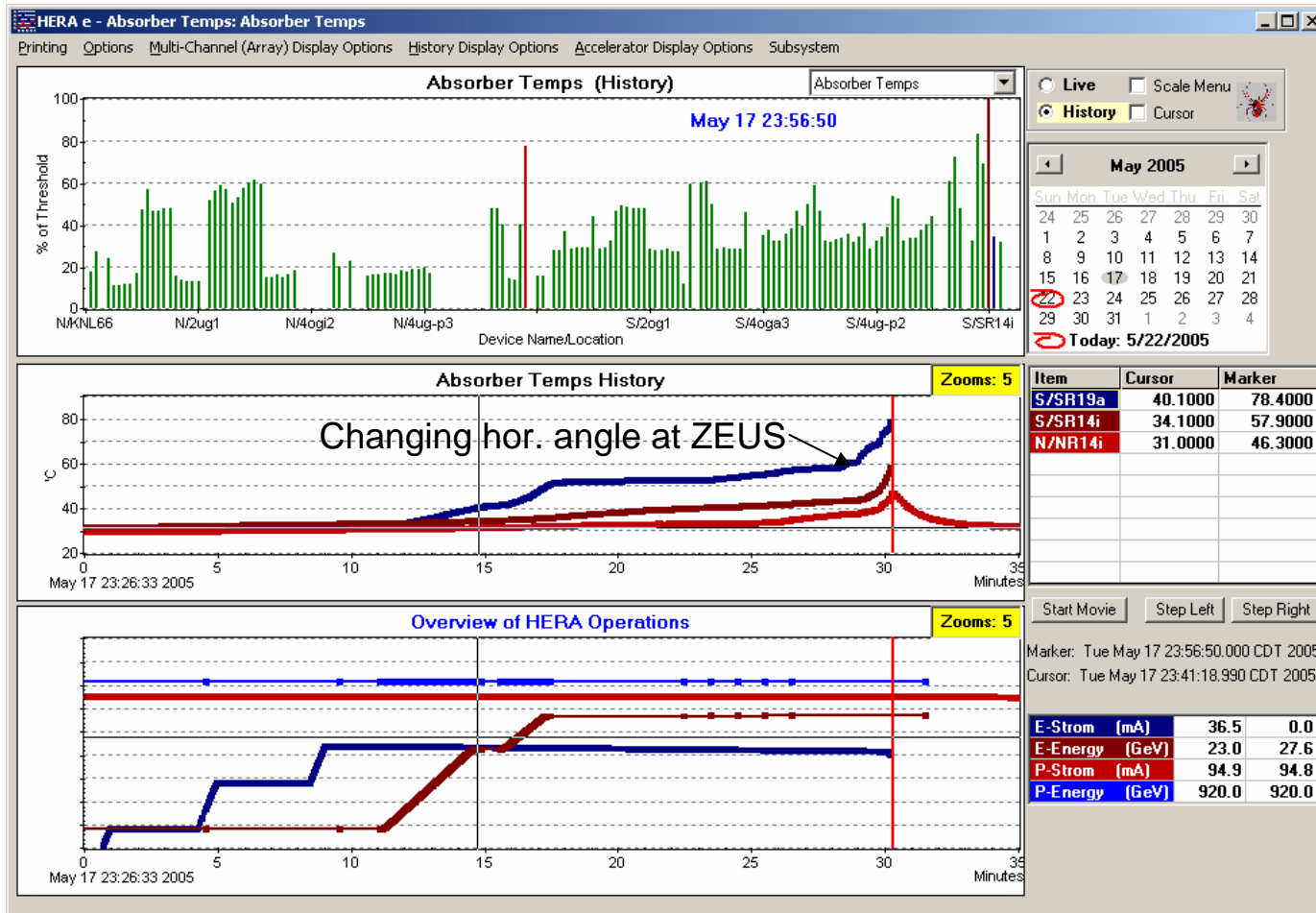
Joachim Keil, MPY

# Change of BPM Positions at IRs



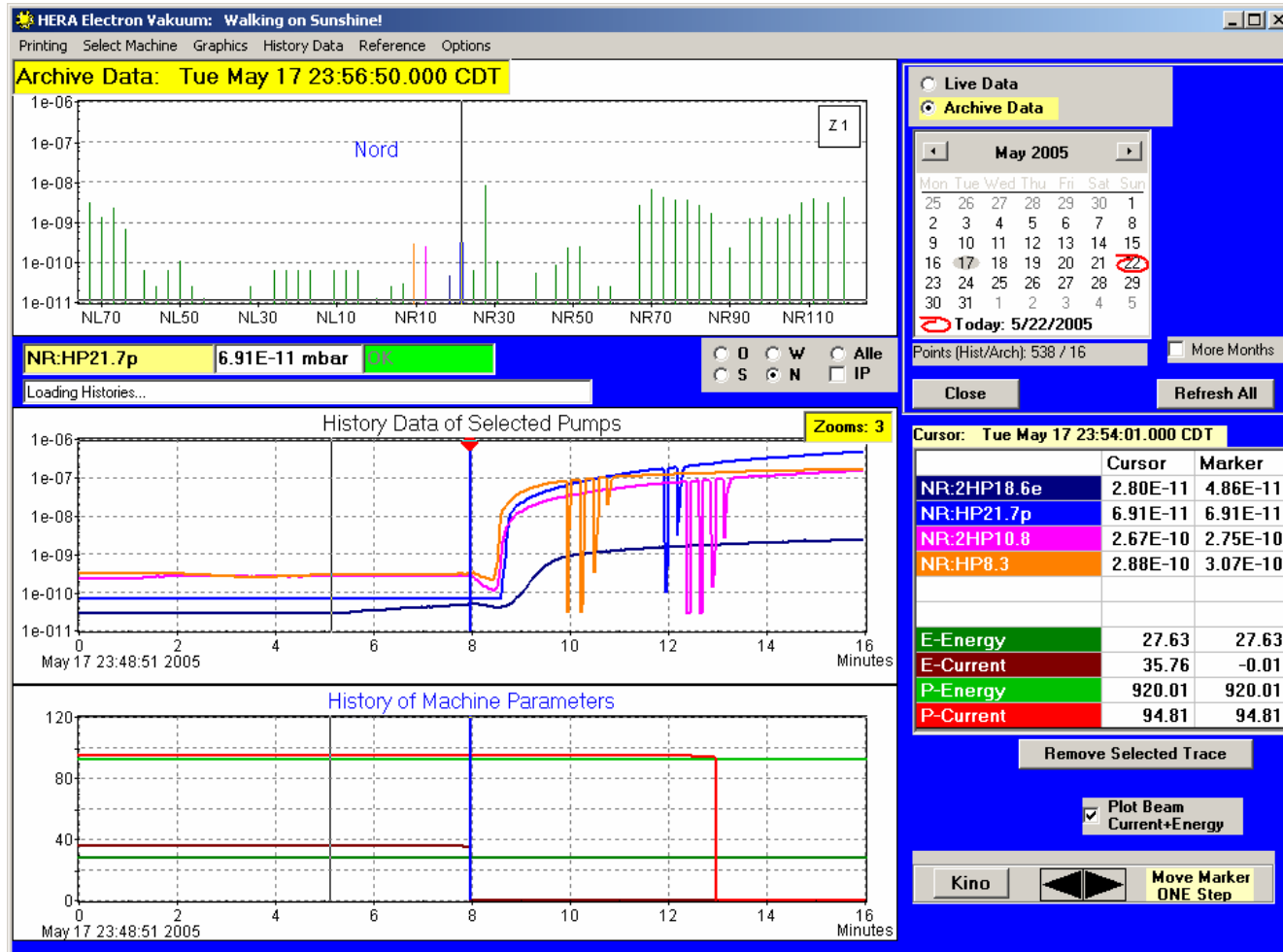
- Operators changed vertical and horizontal angle in IR south
- Beam was dumped by temperature alarm (worked as designed)

# Temperatures before Dump



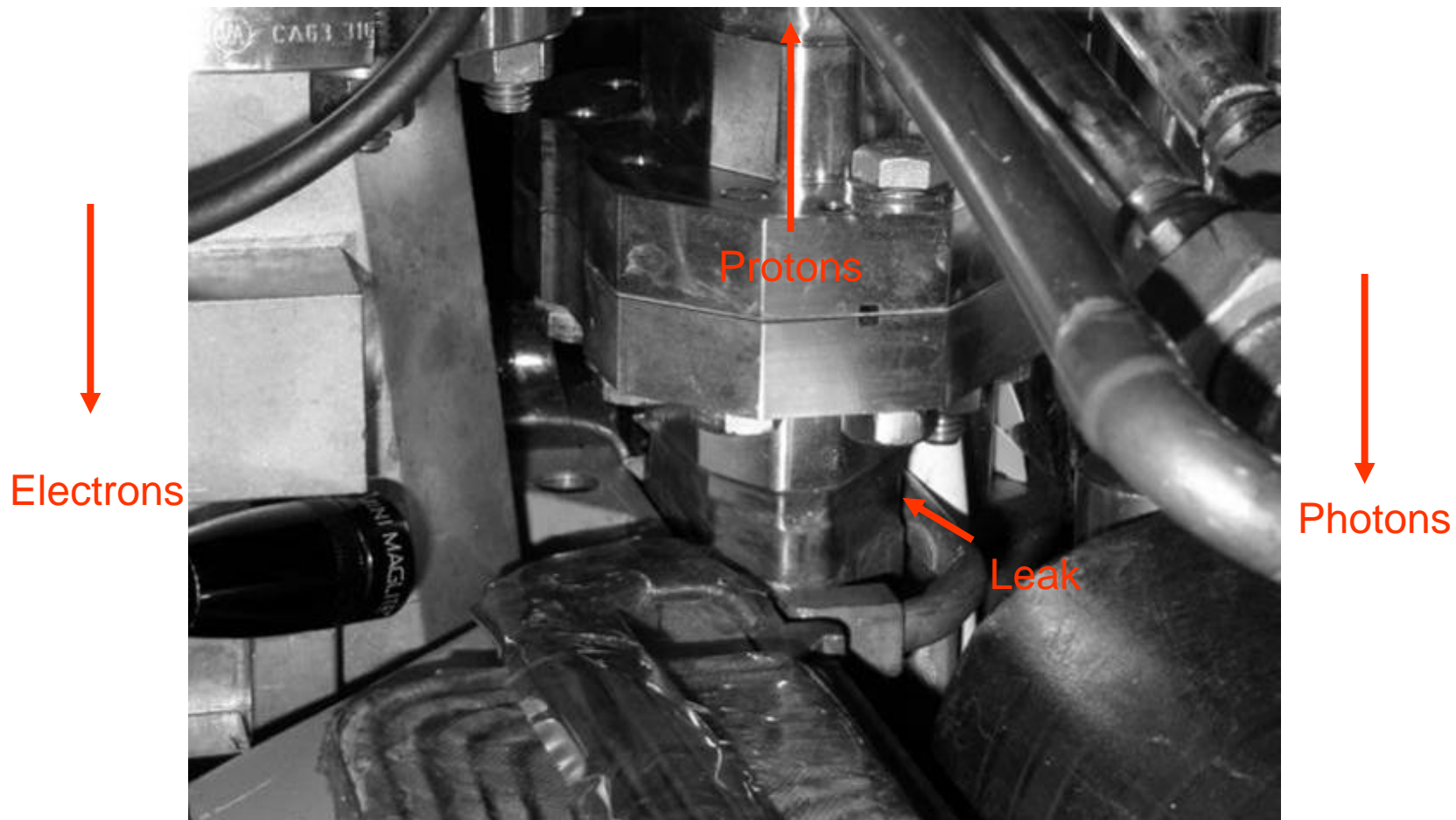
Beam was dumped by temperature alarm SR14i

# Pressure Development after Dump



- Leak NR15 opened 30 s after dump
- Slight increase of pressure at NR18 starting 2.5 min before dump

# Position of Vacuum Leak



# Proton Vacuum Chamber at NR15



Out-of-tolerance manufacturing  $\Rightarrow$  welding seam  $\Rightarrow$  local heating ?!