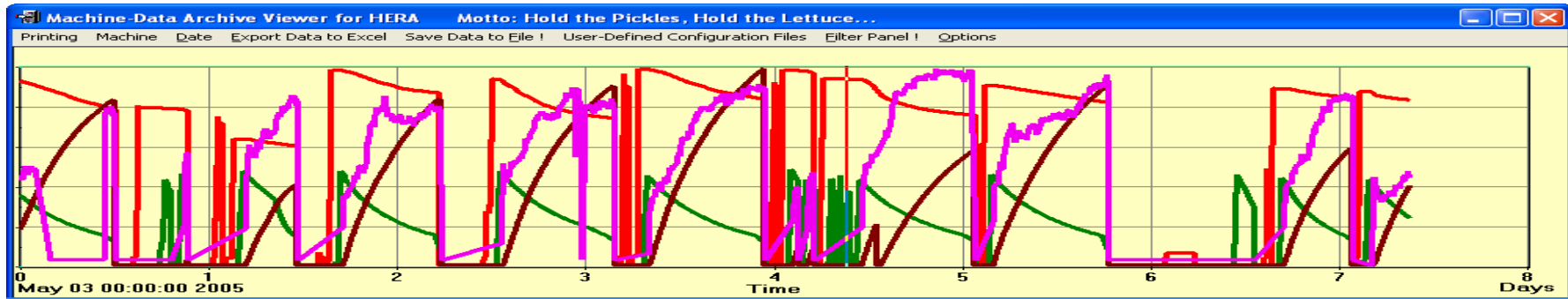


HERA Week #18'05



$$\int Ldt = 6.2 \text{ pb}^{-1}$$

Polarization $\leq 40\%$

New Peak Luminosity $4.9 \cdot 10^{31} \text{ cm}^{-2}\text{s}^{-1}$

Efficiency 57.5%

Technical Problems:

BU SR 70m Water cooling problems (obstructed cooling channel) → **6h**

Cavity Vacuum SR transmitter for $I_e > 40\text{mA}$

Vacuum leak SR 162 m (rotator) reason: missing support welds → **24h**

Operational Accelerator Physics Issues

Several runs with strong lifetime reduction with local targets (NR140)

