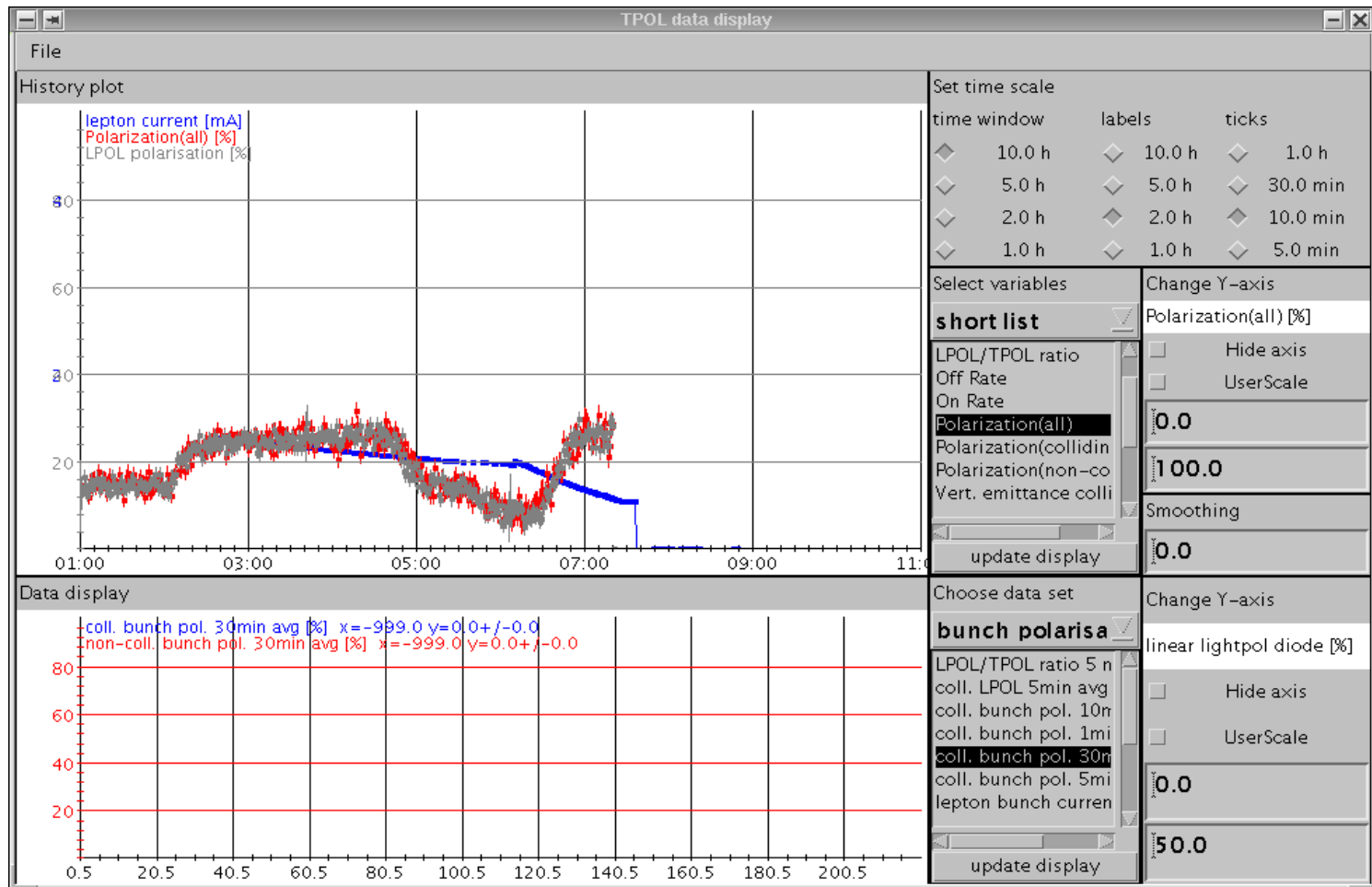


Status of HERA polarimeters

TPOL: stable operation for the most part, continuous coverage over Christmas



TPOL: problems

communication problem with HERA:

problem with netmex server on TPOL side: fixed

need to improve the monitoring

problem to update the ORACLE database

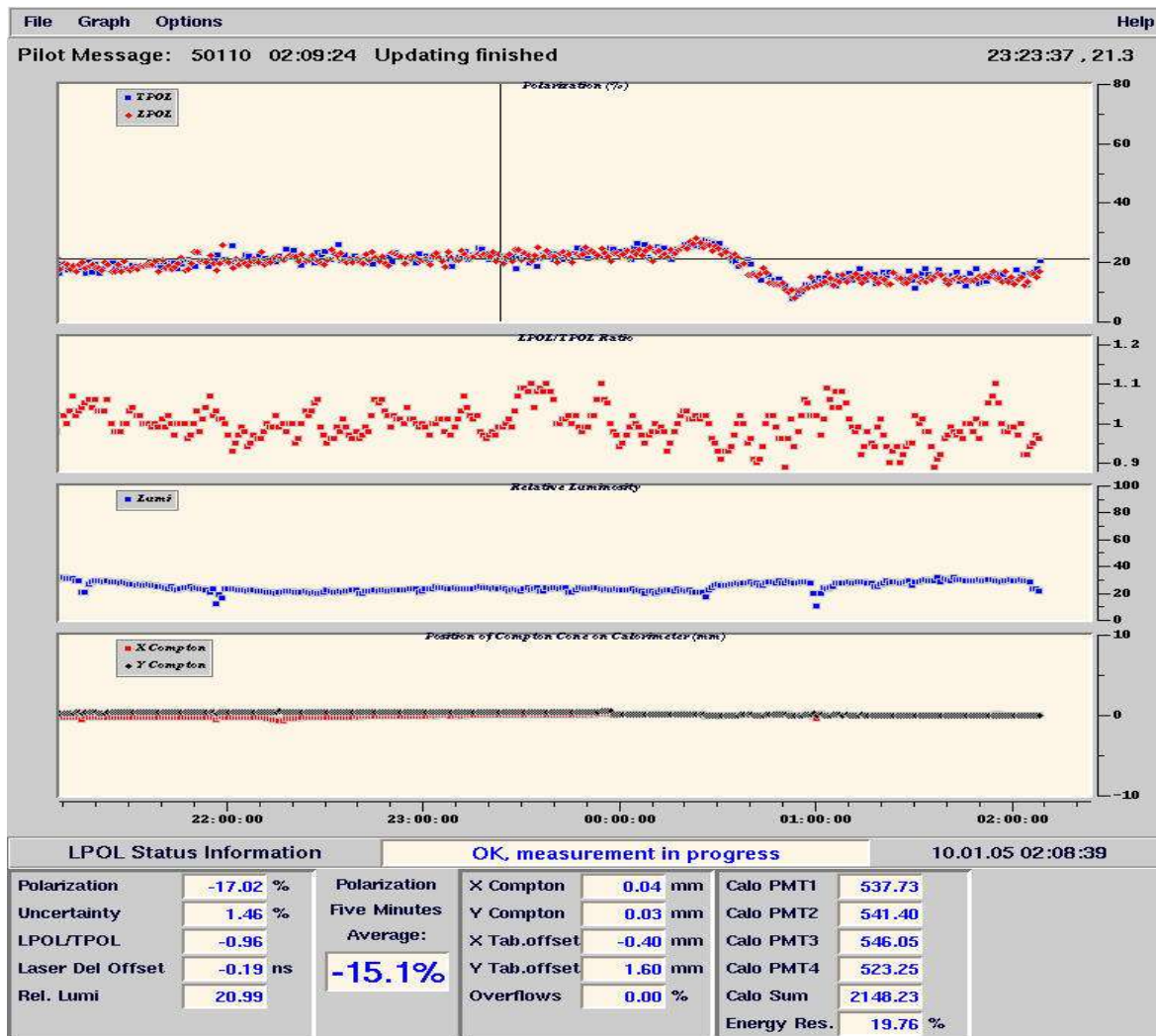
post-mortem fix exists (so all data will be entered into the database)

changes to the computer infrastructure means that automatic

update at the moment are disabled: working on solution

LPOL status

LPOL calorimeter installed in tunnel last week:
re-commissioning without problems, stable operations:



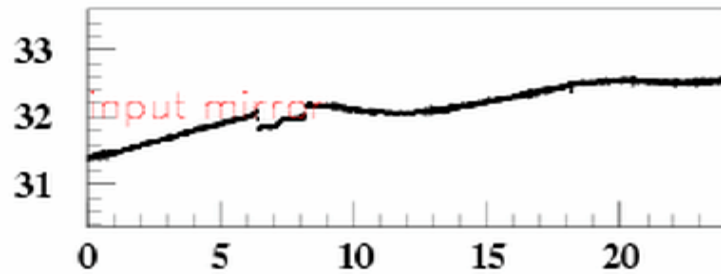
LPOL online display

Cavity Status

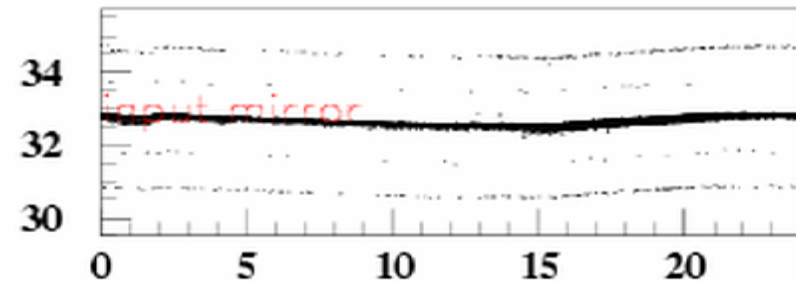
Hardware continues to be commissioned:

during last 2 accesses temperature stabilization installed and commissioned

Temperature measured at the input mirror:



no temperature control



temperature control

System works basically, further tuning needed.

LPOL cavity calorimeter

Intense discussions and simulations ongoing

optimise the geometry,
understand the resolution

potential problem: low light yield of Cherenkov fibers
result in poor resolution

Goal: about $20\text{-}25\%/\sqrt{E}$ resolution is adequate for LPOL cavity

Finish design ASAP, start production

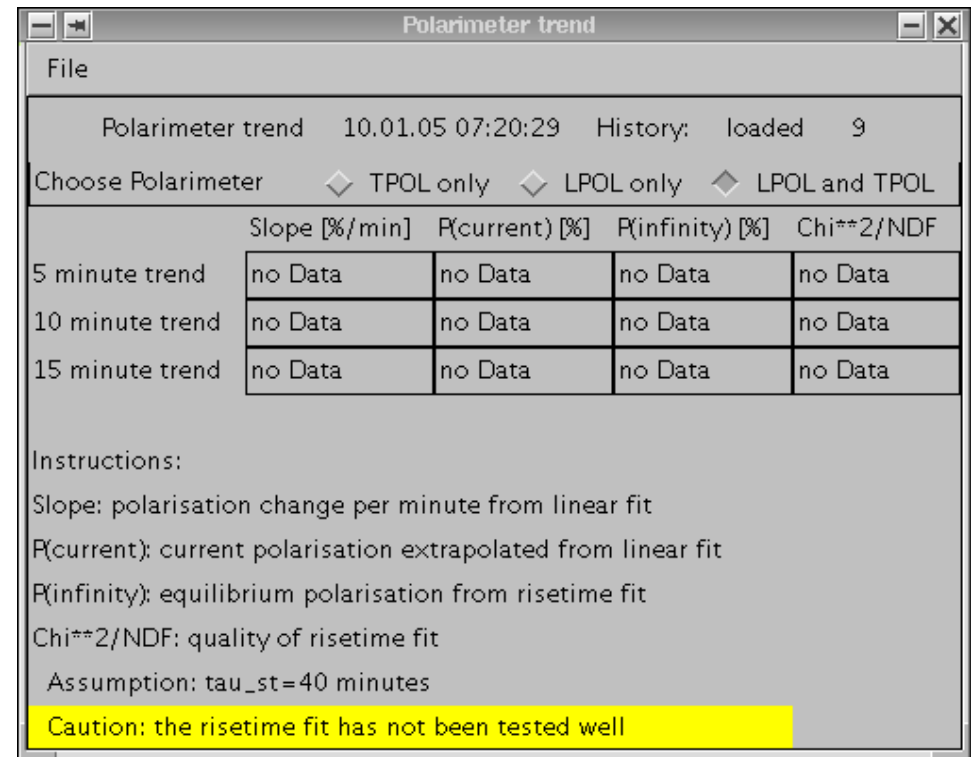
TPOL “trend” display

New feature implemented in TPOL online monitor: trend display

goal: provide fast “trend” information to see the direction of change of the polarisation.

accessible after enabling expert menu under
-> frames -> Polarimeter trend

feedback very welcome,
whether this is a useful
feature, whether it should be
improved,



The screenshot shows a window titled "Polarimeter trend" with a menu bar containing "File". Below the menu bar, there is a status bar showing "Polarimeter trend 10.01.05 07:20:29 History: loaded 9". Below this, there is a "Choose Polarimeter" section with three radio buttons: "TPOL only", "LPOL only", and "LPOL and TPOL". The main content area contains a table with the following data:

	Slope [%/min]	P(current) [%]	P(infinity) [%]	Chi**2/NDF
5 minute trend	no Data	no Data	no Data	no Data
10 minute trend	no Data	no Data	no Data	no Data
15 minute trend	no Data	no Data	no Data	no Data

Below the table, there are instructions:

Instructions:
Slope: polarisation change per minute from linear fit
P(current): current polarisation extrapolated from linear fit
P(infinity): equilibrium polarisation from risetime fit
Chi**2/NDF: quality of risetime fit
Assumption: tau_st=40 minutes
Caution: the risetime fit has not been tested well