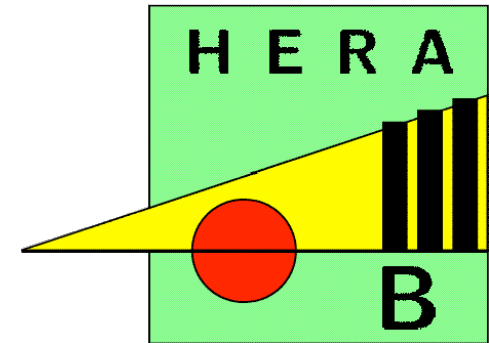
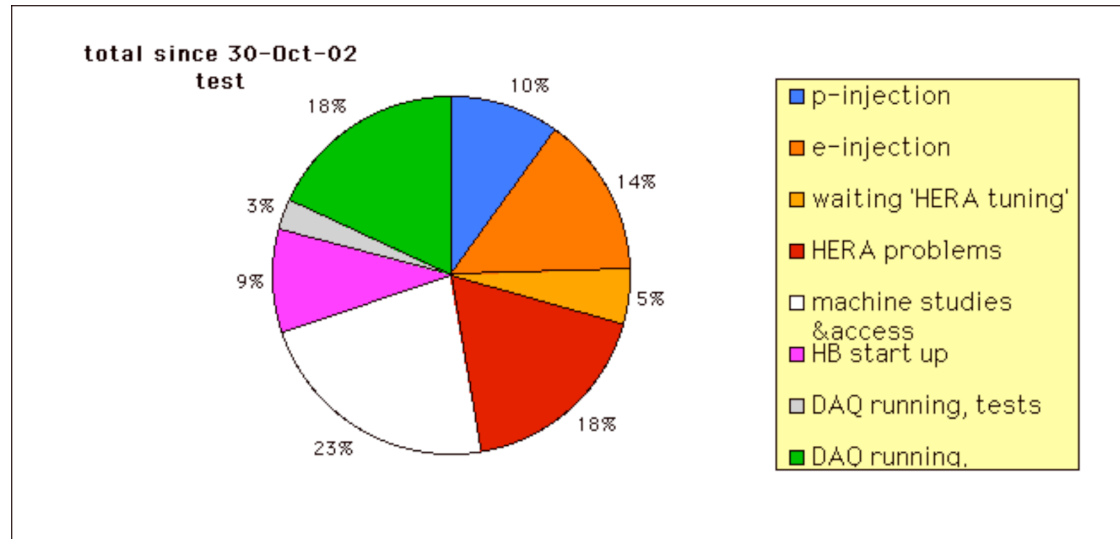


HERA-B Report



- Run statistics
- Problems, Complaints, Requests

Running statistics since Oct 30th:

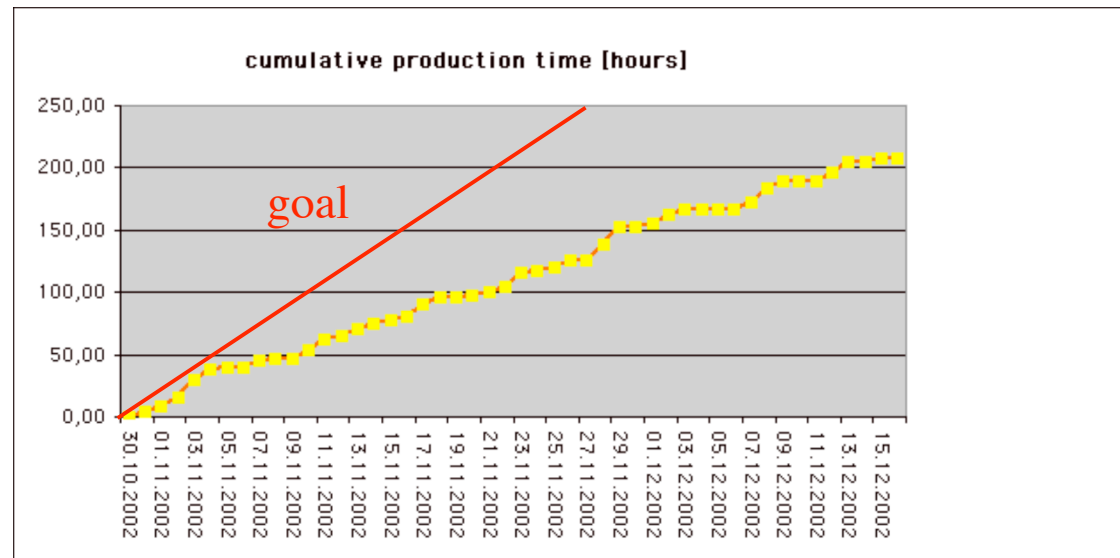


Target operation: 30%

Hera-B efficiency: 71%

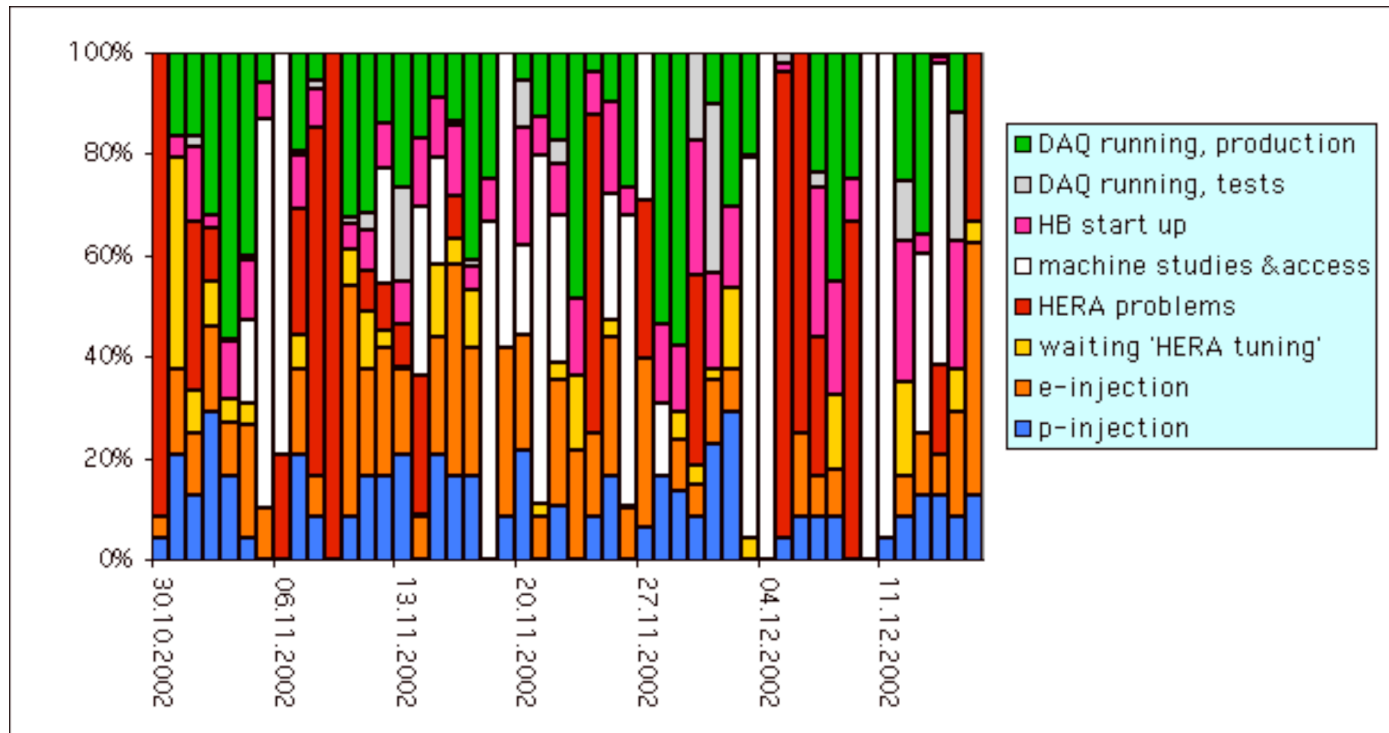


Time for production: 21%



We hoped for $0.5 \times 0.75 = 37\%$

Hera coordination meeting, Dec 17th 2002

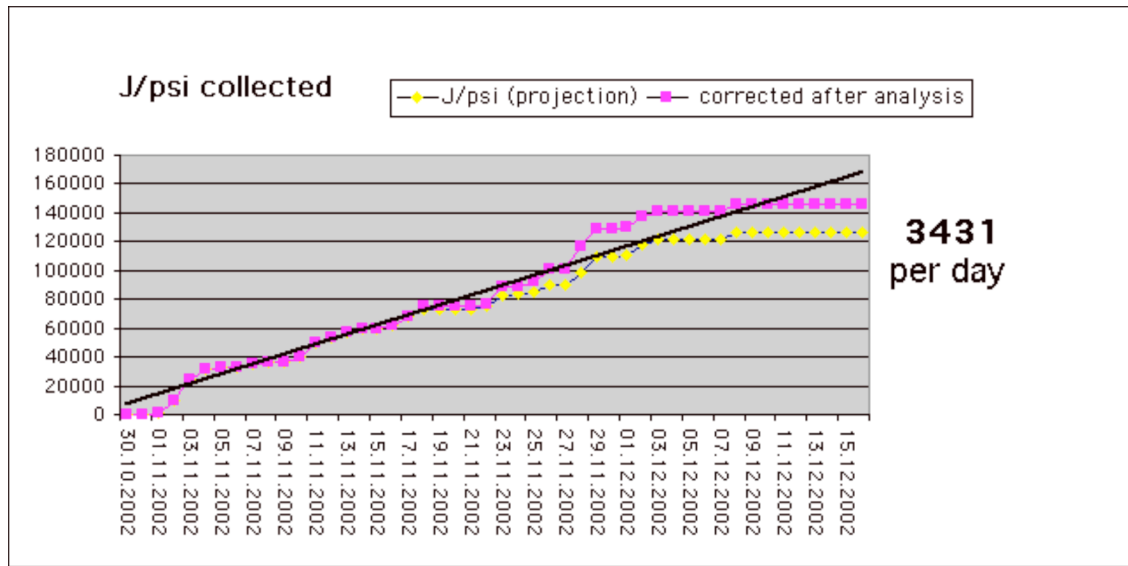


Poor running efficiency due to:

- technical problems
- very inefficient e^+ injection
- some losses due to Hera-B problems

Hera coordination meeting, Dec 17th 2002

Data samples:



150k J/ψ = 43% of expected sample in 67% of allocated beam-time.

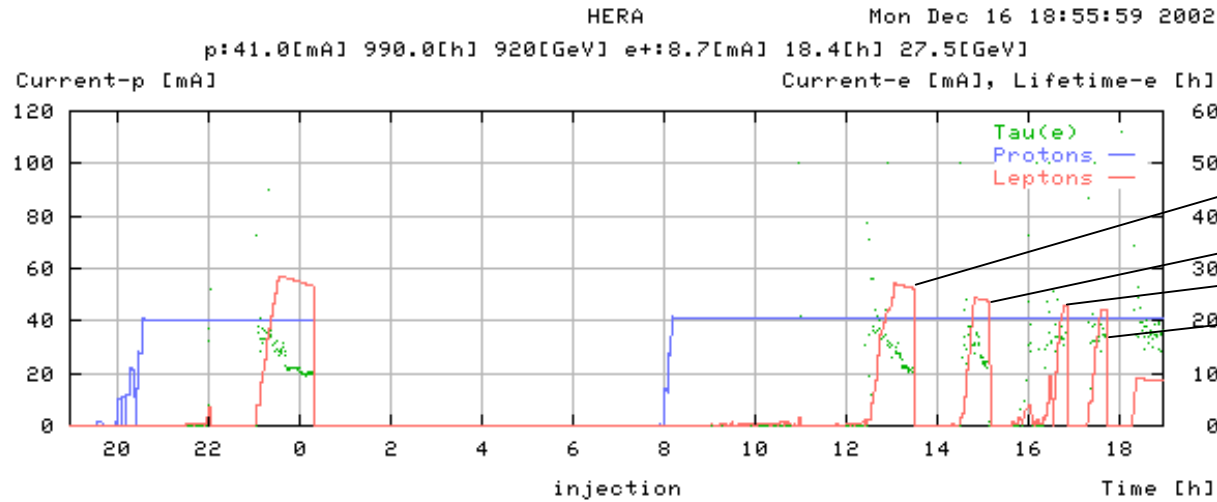
Title: myjpsi.eps
Creator: HIGZ Version 1.26/04
Preview: This EPS picture was not saved with a preview (TIFF or PICT) included in it
Comment: This EPS picture will print to a postscript printer but not to other types of printers

Title: chic_b.eps
Creator: HIGZ Version 1.26/04
Preview: This EPS picture was not saved with a preview (TIFF or PICT) included in it
Comment: This EPS picture will print to a postscript printer but not to other types of printers

Problems, Complaints, Requests:

- On Nov 25th our tungsten wire broke. Was replaced a week later (required venting of VDS vessel, thanks to MVP).
- On Dec 13th (**Friday**) power outage due to false alarm of smoke detection system. Caused problems for our gas systems.
- Proton collimators have to be adjusted properly. Lost several hours of beam-time because background due to our target at H1 was too high. Was fixed by collimator steering.

- Improve e^+ injection.



Dumped ,
background
too high

Request:

Dump beam at $I(e^+) = 4\text{mA}$ instead of 8mA . Will extend lumi runs by 8 hrs.



Increase target operation from 30% to $>36\%$.

To compensate for this loss of e^+ beam-time, extend lumi period beyond 26.1.03.

In order to even collect our reduced sample of $350\text{K J}/\square$ the shut-down has to be postponed.