THE H1 EXPERIMENT AT HERA

H1 Collaboration at DESY, Notkestr.85, D-22607 Hamburg, Germany

H1-Trigger-Meeting 17-March-2003

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TOF-DAQ Monitoring.

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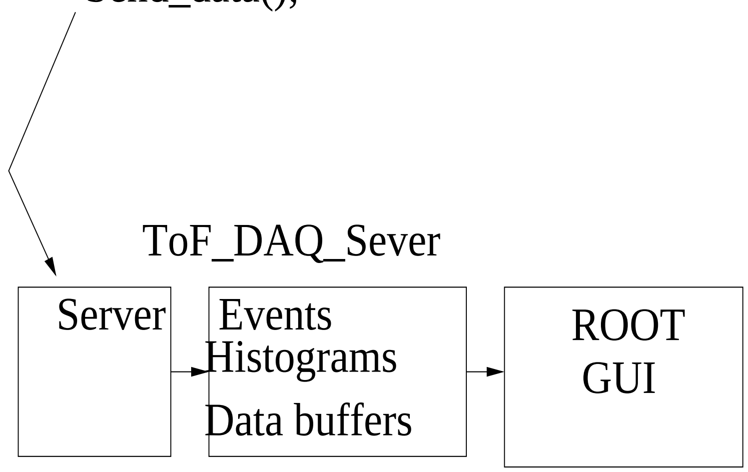
The Task definition

The task is to write TOF-DAQ-Monitoring program....
An analog to the Slow-Monitoring program working on Macintosh (B-9(right) in H1 control room)).
This is challenge not only for author(ZHG) but also for ROOT concepts to develop a better program with OOP approach than was written by M.Landon(and coauthors) in Process-Oriented approach.

In Ararat(lynxos) a Client program
after processing data from ToF detectors
sends them to Masis(lynux) Server Program...

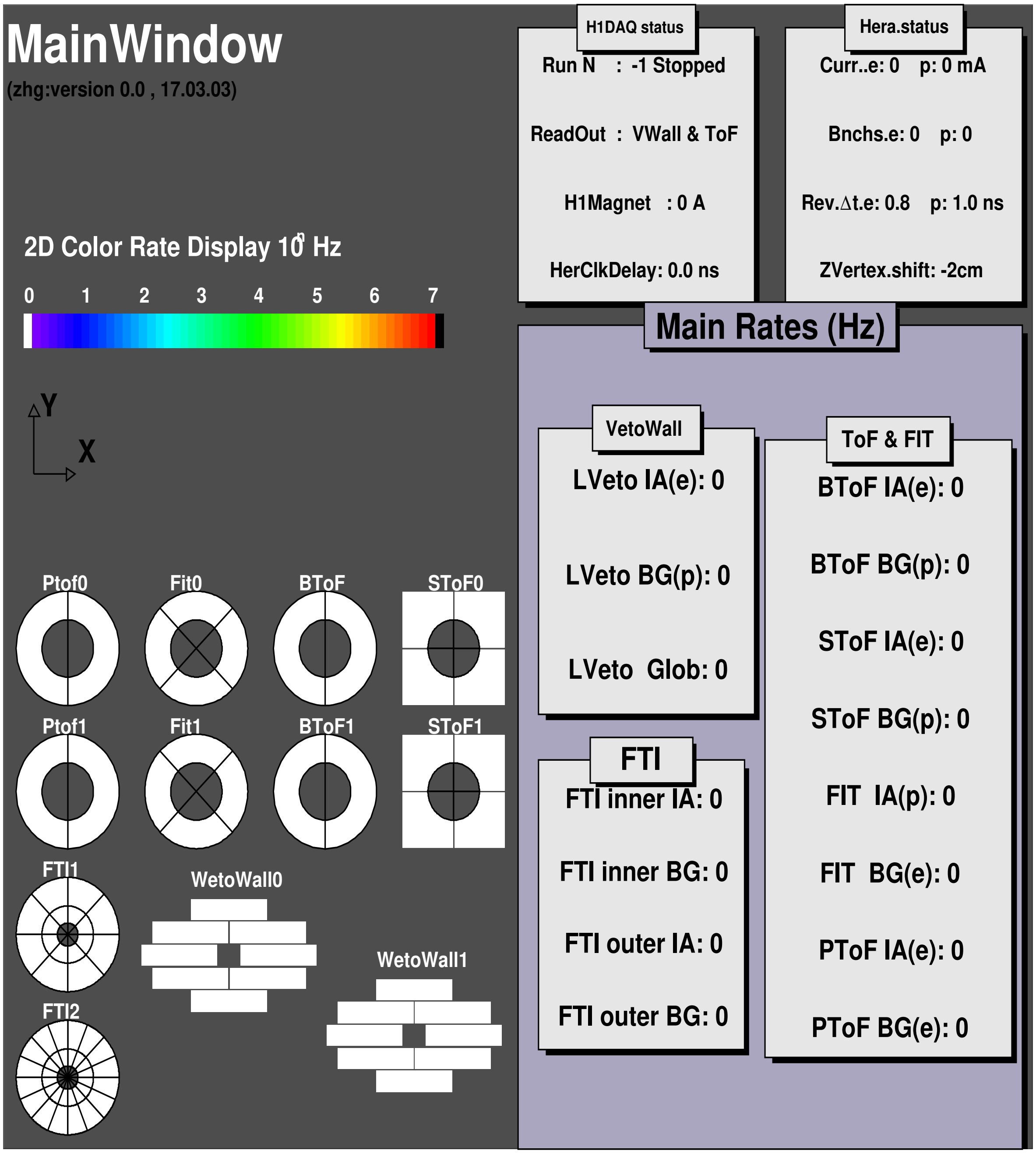
```
Send_Serv_Thread
While(L2_keep%10 || !data_exist)
    Cond_Wait();
Send_data();
```



Problems

A problem concerned with:
Client(Ararat(lynx-OS(c)))$\Longleftrightarrow$Server(Masis(ROOT(c++)))
connection.
The solution is: The Server(ROOT) should and can use
ordinary c-language Server packages to understand
Client(c-language on lynxos), but not vice versa.
A model already developed and checked.

Pieces of Program



Conclusion

The Program under construction
and
will be ready in time.

H.Zohrabyan,H1-Trigger-Meeting,March-17 2003