

HPSS and Production Management



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Joint ALICE/STAR meeting

9 April, 2000



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- **Volume of data processing (last month experience)**
- **Production mySql DataBase**
- **Tools for production operation**
- **Web page retrieving of production summary and operation control plots**



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Volume of data processing

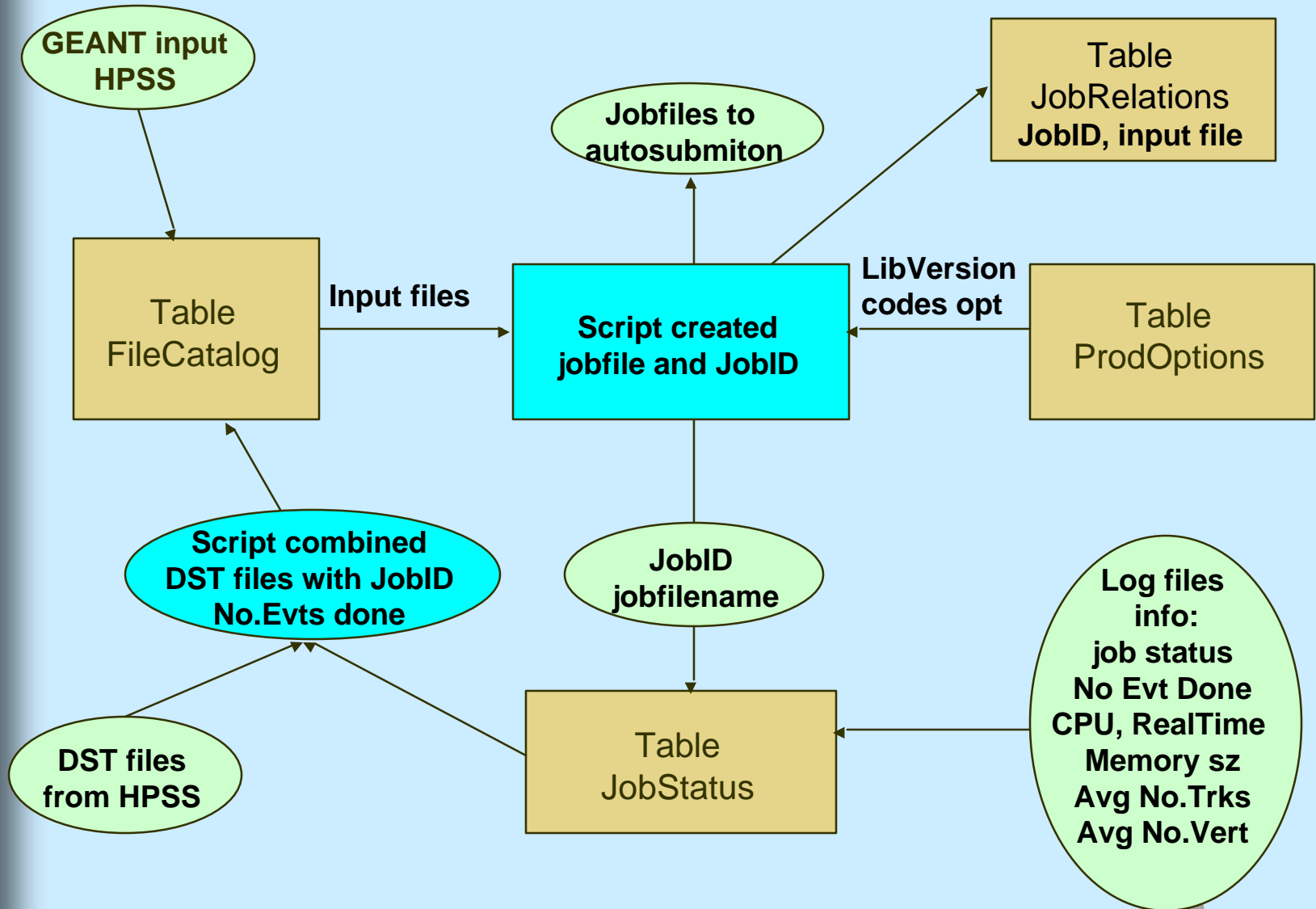
- **Reconstruction of GEANT simulated data: total number of events 300000 with number of tracks in average 5478 has been produced for last month**
- **total size of DST branch 800 GB, geant branch 2.7 TB, total production output for last month 3.5 TB has been transferred to HPSS**
- **daily operation : 120 jobs in average processing, 600 output files (5 branches for each job) produced**
- **one event production info (No. of tracks 5624) : CPU = 267 sec, Real Time = 341 sec, DST size = 5.9 MB**



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Production MySQL DataBase

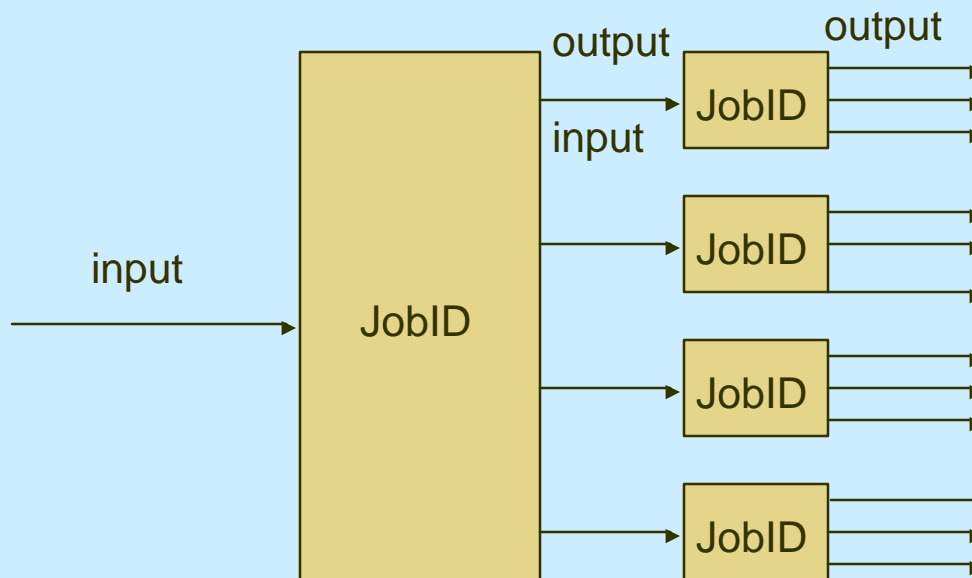


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Input/output relations

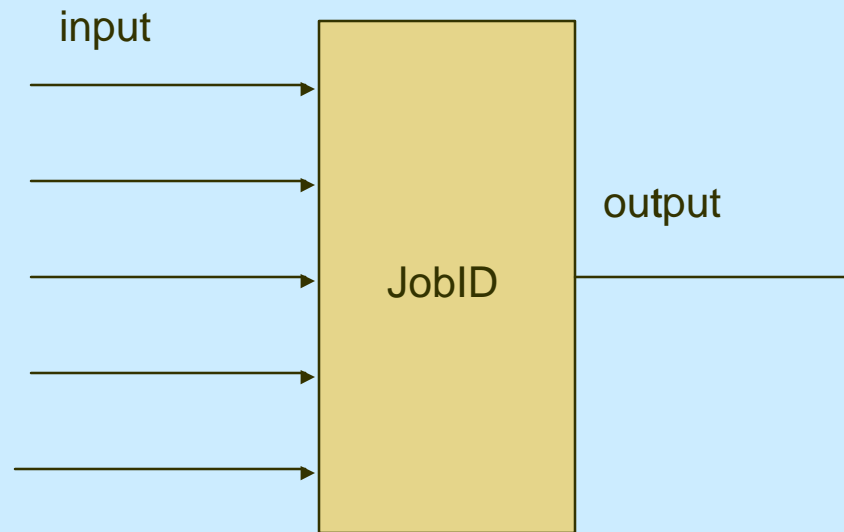
Postproduction operation



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Input/output relations



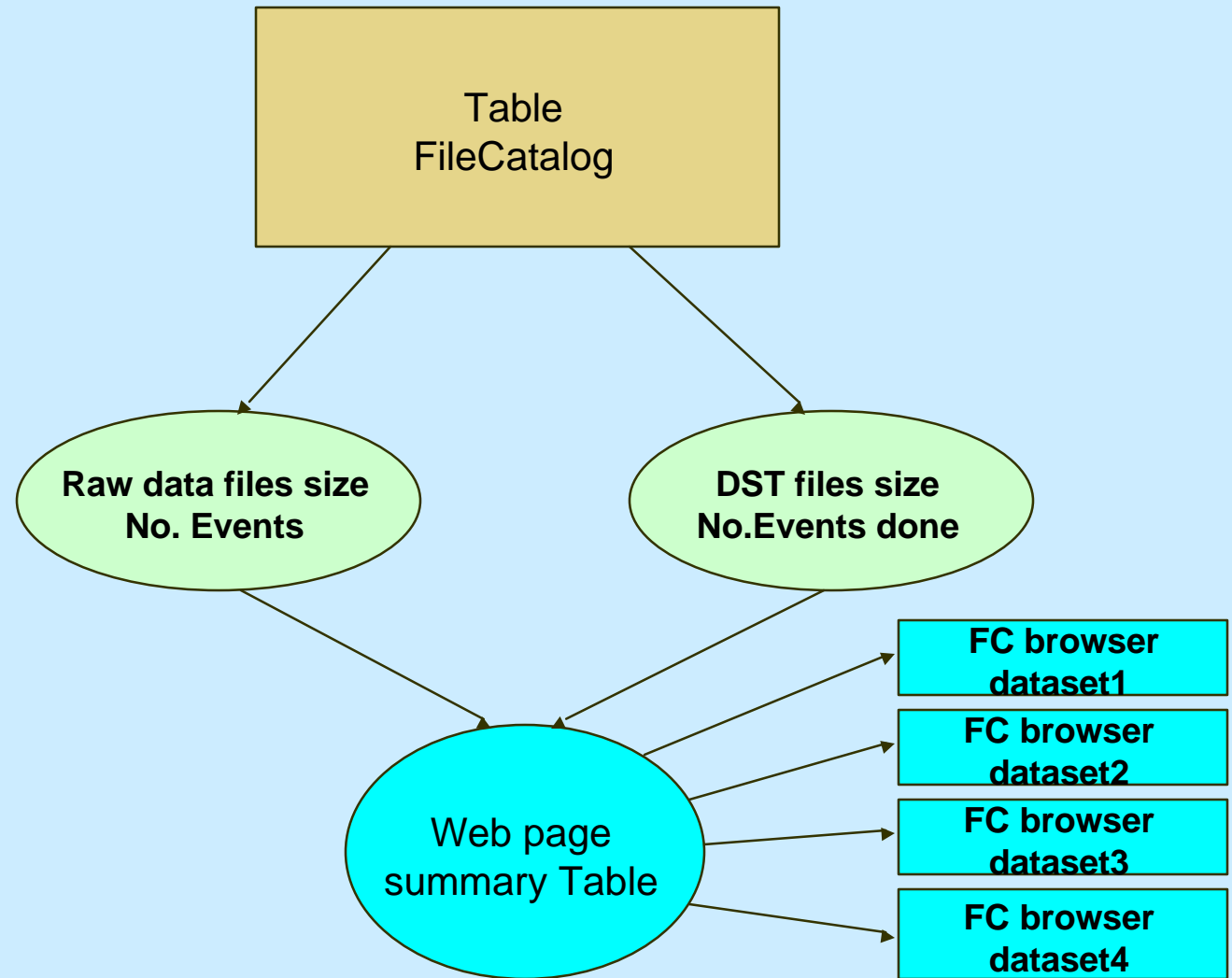
Concatenation of DST files



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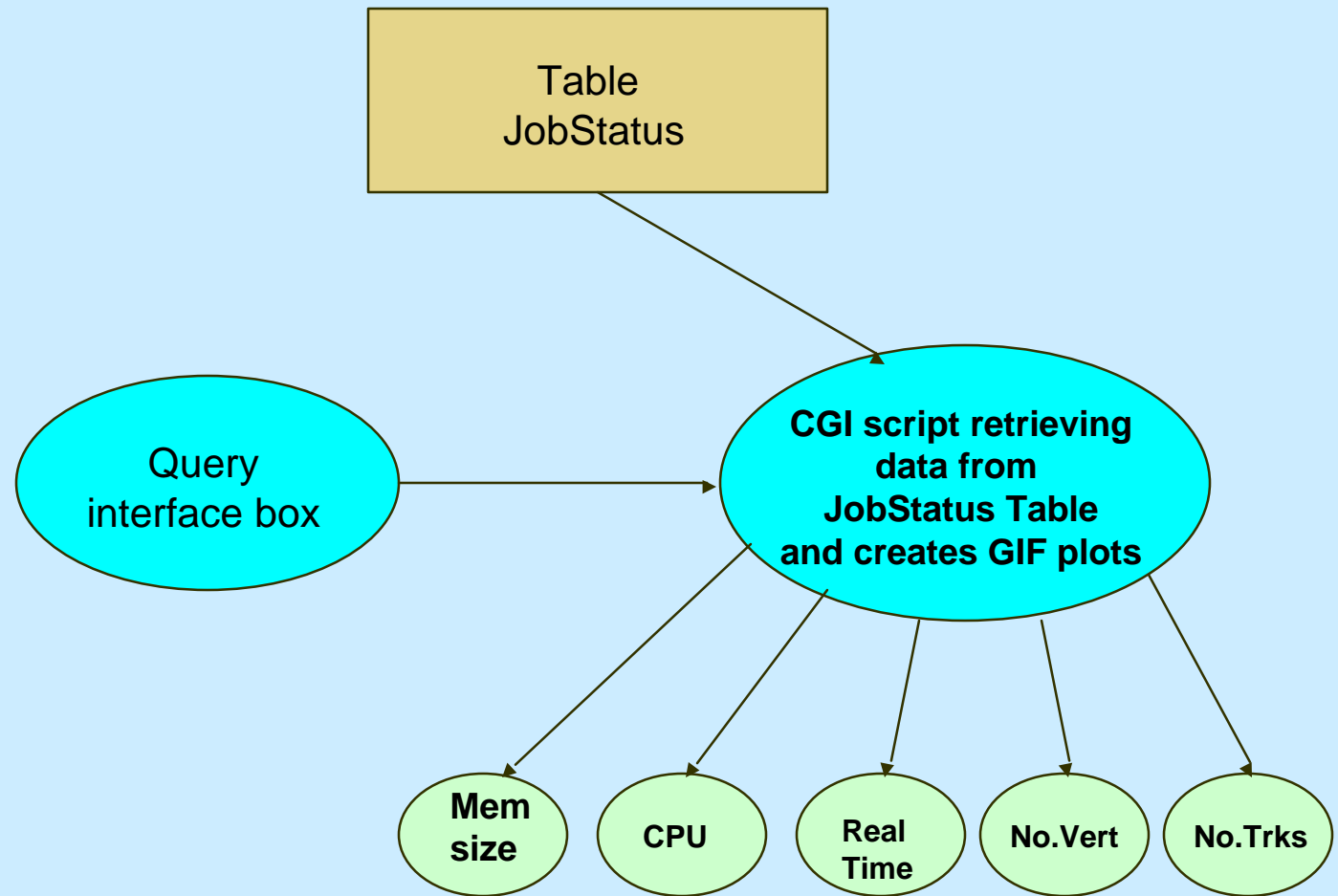
Web page retrieving production summary



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Production operation control plots



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Tools for production operation (more)

- Tom Throwe's scripts for jobs submission, status control and transferring input/output files from/to HPSS
 - automated email with info when job done, crashed, aborted or killed
 - script for automated jobs submission
 - script which reading email info and resubmit jobfile in case job crashed, aborted or killed for technical reasons
 - script which scanning production DB and give information about failed jobs (not yet Web presentation)
- **People contributed to design and development of production DB and tools**
Y.Fisyak, T.Wenaus, Wensheng Deng, L.Barnby, S.Vaniashian



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