D0 MC simulations in Prague

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Our style of work

- job submission
- SAM and backup
- system of keeping the informations about job status, HTML interface

job submission

- using *mc_runjob* GUI package
- 3 people manually submit jobs on 5 computers
- maximum capacity is about 1000 events/day (for signal events with average 1.1 mbias)
- our average is about 700 events/day
- in this style of work (not using batch system) we are able to use about 70% of resources

SAM and backup

- storing all files on local hard disks till they are successfully moved to SAM
- the *log* files are permanently stored in Prague
- the *sim* files and the *gen* files are moved to the special scratch area
- if the scratch area is full the files can be deleted after 4 days

job status maintenance

- since 3 people submit jobs from different places (Prague, Fermilab) we need **up to date** informations about submitted jobs
- each computer has its own text file where all informations about the submitted jobs are stored
- simple format :
  job name, date, computer, owner and status
- the files are maintained manually

HTML interface

- *cgi-script* which is able to go through the text files
- the script allows:
  - job query (*mccquery.html*, see picture)
  - get up to date status of current task
  - generate up to date summary table (see picture)

News and summary

- about 110k events have been generated
- we have bought one more processor
- so we are running now 5 processors
- we won't be able to increase our computer power to much
- we have no problems with transferring the data to Fermilab
- we have decided not to use batch system for job submission in MCC Phase2
- we are ready to help with development of D0MCGS