Production status of D0 MC simulations in Prague

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Our staff

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Talk

- **d0gstar** package for Fermi Linux 5.2
- available computer power and our possibilities
- production status of **MCC99** Phase II
- outlook

d0gstar package for Fermi Linux 5.2

- does not require a full installation of D0 environment
- made with cooperation with Greg Graham
- includes **mc_runjob** python scripts
- several tests
  - comparison with official results obtained on *d0lxbld2* machine
  - the same length of the *sim* files
  - exactly the same reconstructed jets
- two versions
  - our, we use it for production *http://www-hep.fzu.cz/~kupco/www/mc_runjob/*
  - Greg's official version

computer power

- Pentium III 500MHz + 128MB (Fermilab)
- 2*Pentium III 450MHz + 128MB (FzU, Prague)
- Pentium III 500MHz + 256MB (MFF UK, Prague)

200 $Z \to e^+e^-$ events take about 16 hours

$\Rightarrow$

our present capacity is about **1K events per day**

200 $Z \to e^+e^-$ events is about 200MB (compressed)
connection speed between Prague and Fermilab is about 100 Kb/s

$\Rightarrow$

it takes about **2 hours** to transfer one day production

Production status

see *http://www-d0.fnal.gov/~kupco/mc_runjob_files.html*

Outlook

- continue the production
- increase our computer power (limited budget)
  able to buy 1 or 2 processors this year
- prepare new **d0gstar** package for **MCC** Phase III
- produce the data in **MCC** Phase III