# MC simulations in Prague

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# *Prague team*

- Jiří Kuhn (Fzú AVČR)

  GRID

- Alexander Kupčo (Fzú AVČR, *Center for Particle Physics, Prague*)

  *hardware, system and software manager, data production*

- Miloš Lokajíček (Fzú AVČR, *Center for Particle Physics, Prague*)

  *hardware, data storage, network*

- Karel Smolek (*Czech Technical University, Prague*)

  SAM *manager, data production*

- CESNET farm administrators

# Summary Table mcp07

| Type | generator | mbias | d0gstar farm / SAM | d0sim farm / SAM | d0reco farm / SAM | reco_analyze farm / SAM |
|---|---|---|---|---|---|---|
| **Minimum bias** | | | | | | |
| minbi | pythia | none | 110000/ 0 | 10000/ 0 | 10000/ 0 | 10000/ 0 |
| **QCD** | | | | | | |
| pT>2.0 GeV | pythia | 2.5avg | 32000/ 0 | 32000/ 0 | 32000/ 29000 | 32000/ 29000 |
| pT>5.0 GeV | pythia | 2.5avg | 32000/ 0 | 32000/ 0 | 32000/ 29000 | 32000/ 28000 |
| pT>10.0 GeV | pythia | 2.5avg | 32000/ 0 | 31000/ 0 | 31000/ 31000 | 31000/ 31000 |
| pT>20.0 GeV | pythia | 2.5avg | 40000/ 0 | 40000/ 0 | 40000/ 38500 | 31500/ 29500 |
| pT>40.0 GeV | pythia | 2.5avg | 40000/ 0 | 40000/ 0 | 40000/ 38500 | 29500/ 28500 |
| pT>80.0 GeV | pythia | 2.5avg | 39750/ 0 | 39750/ 0 | 39750/ 39000 | 31750/ 30250 |
| pT>160.0 GeV | pythia | 2.5avg | 40000/ 0 | 40000/ 0 | 40000/ 38500 | 32000/ 30500 |
| **QCD - min. bias studies** | | | | | | |
| pT>2.0 GeV | pythia | 0fix | 10000/ 0 | 10000/ 0 | 10000/ 10000 | 10000/ 10000 |
| pT>160.0 GeV | pythia | 0fix | 10000/ 0 | 10000/ 0 | 10000/ 10000 | 10000/ 10000 |
| **Total** | | | **385750 / 0** | **284750 / 0** | **284750 / 263500** | **249750 / 226750** |

▷ August 24, 2001 – September 20, 2001

## Summary Table mcp08

| Type | generator | mbias | d0gstar farm / SAM | d0sim farm / SAM | d0reco farm / SAM | reco_analyze farm / SAM |
|---|---|---|---|---|---|---|
| **Minimum bias** | | | | | | |
| minbi | pythia | none | 120000/ 0 | 10000/ 0 | 10000/ 0 | 10000/ 0 |
| **QCD** | | | | | | |
| pt > 40GeV | pythia | 0.5avg | 44000/ 0 | 44000/ 0 | 43750/ 39500 | 43750/ 37250 |
| | | 2.5avg | 54000/ 0 | 53750/ 0 | 53750/ 46500 | 52750/ 33750 |
| pt > 80GeV | pythia | 0.5avg | 24000/ 0 | 24000/ 0 | 23250/ 22250 | 22750/ 20750 |
| | | 2.5avg | 20000/ 0 | 19750/ 0 | 19750/ 18250 | 18750/ 13750 |
| pt > 160GeV | pythia | 0.5avg | 26000/ 0 | 24000/ 0 | 22500/ 20000 | 21750/ 18500 |
| | | 2.5avg | 20000/ 0 | 20000/ 0 | 19750/ 19500 | 18500/ 13500 |
| **Total** | | | **308000 / 0** | **195500 / 0** | **192750 / 166000** | **188250 / 137500** |

▷ September 20, 2001 – October 17, 2001

## Summary Table mcp10

| Type | generator | mbias | d0gstar farm / SAM | d0sim farm / SAM | d0reco farm / SAM | reco_analyze farm / SAM |
|---|---|---|---|---|---|---|
| **Minimum bias** | | | | | | |
| minbi | pythia | none | 162000/ 0 | 4000/ 0 | 4000/ 0 | 2000/ 0 |
| **Total** | | | **162000 / 0** | **4000 / 0** | **4000 / 0** | **2000 / 0** |

- ▷ started on October 17, 2001
- ▷ *only minimum bias files*
- ▷ p10.08.01 *not jet installed*