

MC Production Status

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CDF Simulation Meeting

Status

On-going Future Production

Plans for Winter

5.3.3.v6 production

- QCD dijet with 1 min bias

- Pythia, Pt = 0 jqcdmh 0.5M done @ FNAL Toronto
- Pythia, Pt = 18 jqcdnh 0.5M done @ FNAL Toronto
- Pythia, Pt = 40 jqcd0h 0.5M done @ FNAL Toronto
- Pythia, Pt = 80 jqcdph 0.5M done @ FNAL Toronto
- Pythia, Pt = 140 jqcdqh 0.5M done @ FNAL Toronto
- Pythia, Pt = 200 jqcdrh 0.5M done @ FNAL Toronto
- Herwig, Pt = 3 jqcdsh 0.5M done @ FNAL Toronto
- Herwig, Pt = 18 jqcdth 0.5M done @ FNAL Toronto
- Herwig, Pt = 40 jqcduh 0.5M done @ FNAL Toronto
- Herwig, Pt = 80 jqcdvh 0.5M done Toronto
- Herwig, Pt = 140 jqcdwh 0.5M done Toronto
- Herwig, Pt = 200 jqcdxh 0.5M running Toronto

5.3.3.v6 production

- Top production

• TopRex Single-t t-chanLO	200K	xtop2a	done, in DFC	Toronto
• TopRex Single-t t-chanNLO	200K	xtop3a	done, in DFC	Toronto
• TopRex Single-t s-chanLO	200K	xtop4a	done, in DFC	Toronto
• Herwig+Photos top mass	230K	ttop0h	done, in DFC	Toronto
• Herwig+Photos top mass	230K	ttop3h	done, in DFC	Toronto
• Herwig+Photos top mass	230K	ttop7h	done, in DFC	Toronto
• Herwig+Photos top mass	230K	ttopch	done, in DFC	Toronto
• Herwig+Photos top mass	230K	ttopdh	done, in DFC	Toronto

- Exotics

• Isajet mSUGRA	20K	hexo0s	done, in DFC	Toronto
• Alpgen $Z \rightarrow \nu\nu + nj$	zexo1,2,3,4j		done, in DFC	Toronto

problem with hepg's. need to be reprocessed.

Production for next 1-2 weeks

- QCD photon+jet 0MB

• Pythia PT=5 (Filter, $P_T^\gamma = 8$)	2M	jqcdyh	running	Toronto
• Pythia PT=8 (Filter, $P_T^\gamma = 12$)	4M	jqcdzh	running	Toronto
• Pythia PT=15 (Filter, $P_T^\gamma = 22$)	4M	jqcdfh		Toronto
• Pythia PT=50 (Filter, $P_T^\gamma = 80$)	1M	jqcdhh		Alberta
• Herwig PT=10 (Filter, $P_T^\gamma = 8$)	2M	jqcdih		Toronto
• Herwig PT=22 (Filter, $P_T^\gamma = 12$)	4M	jqcdjh		Toronto
• Herwig PT=40 (Filter, $P_T^\gamma = 22$)	4M	jqcdkh		Toronto
• Herwig PT=80 (Filter, $P_T^\gamma = 80$)	1M	jqcdlh		Alberta

- QCD photon+jet 1MB

- Pythia, 11M events, same as 0MB
- Herwig, 11M events, same as 0MB
 - Are they really needed now? Or should be part of the winter production

Plans for 5.3.4 & winter production

- **Improve the production machinery**
 - Include automatic testing & transferring of the output data to FNAL in the same process
 - Improve job crash recovery
 - Improve Hepg and Stdhep files handling
- **New item**
 - Include Shoushi's ME interface in the production release.
- **MC production Requests**
 - Mail to Andreas and Rachid including all informations
 - Dataset ID's, tcl file (if not standard process), hepg's or stdhep's...
 - We need to keep track of the request date
 - How many groups are using the same request?

Summary

- Summer/fall production will finish within 10 days
 - Full speed in CPU processing now, up to 10M/week
 - Concatenation keeping up.
- Winter MC production
 - Should start as early as possible
 - 5.3.4 validation? For how long?
 - Waiting for requests
- Our Schedule will include a major upgrade of the Toronto farm:
 - Upgrade to Scientific Linux 3, SLC3 (CERN/ATLAS & LCG)
 - New Batch Queue System: MAI or Quator
 - CDF/FNAL are going toward Condor!