MC RUNJOB

A Brief Intro

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What can it do?

- mc_runjob is a collection of python scripts that allow you to run the main framework executables as a chain using one text macro file.

- The main source for mc_runjob documentation is the new webpage:

  - http://clued0.fnal.gov/mc_runjob/mainframe.html
- There is an archived mailing list for users to use to ask questions:

  - d0_mc_runjob_users@fnal.gov

What's in it?

- The following executables are supported:
- generators: pythia, isajet, herwig, single, cosmic
- processors: d0gstar, d0sim, d0reco
- ntuple makers: d0trigsim, recoanalyze, mc_exam
- This list is expandable, it expands when people give me feedback!

Why use it?

- **Its easy!!!!**
- **One script can run several packages, chain the output of each stage into the input of the next stage in the correct order, it automatically makes SAM metadata in a single batch job.**

- **mc_runjob is used on the MC production farms. If you want large scale MC production you will have to use mc_runjob.**

- **You dont need to know anything about the framework**

- **You dont need to look at an rcp**

How do I use it?

- Step 1: Read the webpage...
- All the information you need is there, including example macros that you can copy and use.
- There is up to date information on which versions of the DZero software can be used with mc_runjob
- currently p08.11.00, expect p09 support next week

- Step 2: choose a generator cardfile
- pick one from the CVS cardfiles package that works for you

- Step 3: write/copy/edit a macro, run it and watch piles of MC turn up

Tutorial Invitation

- Shortly after this meeting I would like to give an informal tutorial for a few (3-4) people from this group.
- These should be the people who use the most MC
- They can then provide a knowledge base for the B-ID group to generate its own MC
- Then we can work on getting more useful features for the B-ID group into the mc_runjob package

Any Questions?

- Firstly, sorry for the lack of content in this talk...
- The best ways to answer your questions is for you to ask them rather than me anticipate them...
- There will be larger, interactive tutorials soon.