

Muon Datasets in Florida and Fermilab

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Status of Florida Production

Two di-muon samples submitted, 20Kevt each

- $Z \rightarrow \mu\mu$
- Drell-Yan $\mu\mu$ above Z mass

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No other requests submitted to Florida

- Could produce a lot more MC using ~100 CPUs
- Maybe produce samples with neutron background?

Question is where to host these samples, and what sort of access do users need?





User Access

For the small di-muon samples, Florida can host a user federation

- If access is slow over the net, we can create local user accounts (or they could be replicated at CERN, INFN)
- But in the short term, Florida won't have the disk space to host any larger databases that may be produced

We have agreement with Fermilab that they will host muon databases

- In fact, I will try to have all or most of the PRS/Muon samples replicated at Fermilab for U.S. users
- Fermilab is purchasing a dedicated server + 2 TB disk
- Already we have several hundred GB available
 - **Big MinBias ntuples copied (but occupy just 1 GB)**
- Fermilab will issue accounts to users



Fermilab Access

Requests for accounts on the Fermilab CMS cluster should be address to Hans Wenzel

→ wenzel@fnal.gov

Access is a little problematic, since Fermilab enforces strong authentication for computer security

- You either need Kerberos V5 installed on your computer, or**
- You need a “cryptocard” (generates one-time passwords)**

Maybe AMS access over the net will be sufficient, however, without an account?

Anyway, we should think about how we want to be able to access data produced by the Production sites