FIFE Meeting

Lisa G and Ken H

27th May 2021

Agenda

- **News**

- **Discussion about how to handle g-2 request for an additional POMS role to accommodate the new data production shifter positions they have added**

- **Ongoing discussion about Intensity Frontier Computing Summer School**

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News

- Switchover to offsite running being the default setting in jobsub will happen during the June downtime, June 16th
  - DEDICATED,OPPORTUNISTIC,OFFSITE will be the new default for jobsub_submit
  - requiring Singularity on the node will also be a new default
  - users will still be able to choose to turn off these defaults

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New POMS/Role

- The POMS Feature Request is here: https://cdcvs.fnal.gov/redmine/issues/25872
- POMS currently has analysis and production roles
- Muon g-2 experiment has added shifters to help run data/MC production - shifters currently have "gm2analysis" role which allows them to do monitoring
- g-2 would like production shifters to have expanded, but more limited (no editing) than gm2pro, capabilities over POMS campaigns.
- **Can we add a new POMS role with the following capabilities added to the current "gm2analysis" capabilities?**
  - able to "Launch Campaign Stage Jobs" for production campaigns
  - able to "Kill/Hold/Release Campaign Stage Jobs" for production campaigns
  - able to "Schedule Future Job Launches" for production campaigns
  - able to "Reset the Last Split counter" for production campaigns

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IF Computing Summer School

- SUGGESTED DATES: June 17th-22nd (Thursday, Friday, Monday, Tuesday)
- Link to ideas page: https://docs.google.com/document/d/1uUrzu_1H-OdoAFLQVOJZ0JKZpyNQ0gwjJ3_jPTZ55LI/edit - **please contribute!**
- **Can we put some names down for some of the topics?**
- I have started to look at HSF training tools

- 4 modules
  - Move from general theory of computing to specifics for IF experiments
  - Taught by a mix of computer people and experiment people
  - Pointers to documentation from HSF etc.
  - 4 half-days
  - Virtual or in person?

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Proposed Modules for IF Computing Summer School

- Basics of Computing at Fermilab
  - What is an OS?
  - Linux
  - Bash
  - What is a gpvm?
  - Release management and build tools (move this to after Coding Basics?)
  - Disk, tape, CPU, cvmfs …

- Some Coding Basics
  - What is a compiler
  - Debuggers
  - Python and C++ tips and tricks
  - ROOT?
  - Configuration languages like fcl/json ...

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Proposed Modules for IF Computing Summer School

- Basics of Frameworks
  - What is a framework and why do we care?
  - *art*
  - Larsoft/Dunetpc
  - Cafana/Highland
  - Database interfaces

- Basics of Batch and Data Management Systems
  - Theory of batch systems
  - Condor/GlidenWMS
  - SAM/Rucio
  - POMS
  - Debugging your batch job
  -

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