Subject: Simulation on Kronos
Posted by Jennifer Pütz on Thu, 16 Jun 2016 07:57:12 GMT
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Hi everyone,

due to the fact that Prometheus will be shut down at the end of June, I would like to provide you a submit script for Kronos (see attachment). This submit script is similar to the script for Prometheus (~/pandaroot/trunk/source/macro/prod/job_prod.sge). There is no need to change the macros from ~/pandaroot/trunk/source/macro/prod.

The script is easily submited by using the command:

sbatch job_prod_kronos.sh <prefix> <nevts> <dec-file> <mom>

If you want to run more than one job in parallel, use e.g.

sbatch --array=1-20 job_prod_kronos.sh <prefix> <nevts> <dec-file> <mom>

To look up the status of your job use

squeue -u <username> or
watch squeue -u <username> (This command updates the window every 2s.)

For further information see also https://wiki.gsi.de/foswiki/bin/view/Linux/SlurmUsage

You can even run a short test job for debugging (max. 20 minutes):

sbatch --partition=debug job_prod_kronos.sh <prefix> <nevts> <dec-file> <mom>

I hope this is useful for some of you.

Cheers,
Jenny

File Attachments

1) job_prod_kronos.sh, downloaded 526 times

Subject: Re: Simulation on Kronos
Posted by Klaus Götzen on Thu, 16 Jun 2016 08:04:10 GMT
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Dear Jenny,

thanks for your input there!

I'd just like to mention, that I'm currently working on all scripts/macros in macro/prod to make them consistent with macro/master setup, and update also functionality for automatic resubmission etc. So you actually don't need to put too much effort in changing things there, I

hope I have everything in place very soon!

Best regards,
Klaus

Subject: Re: Simulation on Kronos
Posted by Klaus Götzen on Fri, 17 Jun 2016 12:37:15 GMT
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Dear all,

I just updated the macros and scripts in macro/prod to conveniently do simulations/analysis and also submit jobs to the Kronos cluster at GSI. The corresponding README

https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/macro/pr od/README

should contain all necessary information. Please try and let me know any problems.

Best regards,
Klaus

Subject: Re: Simulation on Kronos
Posted by Klaus Götzen on Mon, 20 Jun 2016 16:34:43 GMT
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Hi all,

I just prepared a wiki-page explaining the usage of kronos/nyx:

https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootSimulation Kronos

Let me know about missing information or bugs...

Best regards,
Klaus
