

# News

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- **We have a slack channel for our group discussions: numi\_AI**
- **We will have a TSD server soon. Katsuya is working on that.**
- **I am preparing an Indico meeting page or TSD Sharepoint link to keep the meeting presentations**
- **Sudeshna is trying to do the simulation efforts with NERSC. We had a meeting with Adam Lyon to discuss the possibilities of setting up things. Hope Katsuya will help us on this too.**

# NuMI MC info from Yiding

The following cluster of your jobs recently completed on FermiGrid/Fifebatch. The information below is provided to help you better understand the resource requirements of your batch jobs, improve their performance, and minimize the time to completion (a.k.a. get you results faster).

<b>Cluster</b>	<a href="mailto:40207195@jobsub01.fnal.gov">40207195@jobsub01.fnal.gov</a>
<b>Number of Jobs</b>	100
<b>Submitted</b>	2021-01-15 03:14:49 +0000 UTC
<b>Owner/Group</b>	yyu / nova ( <a href="mailto:yyu@FNAL.GOV">yyu@FNAL.GOV</a> )
<b>Command</b>	g4numi_job_muon.sh
<b>Requested Memory</b>	200 MiB
<b>Requested Disk</b>	35.0 GiB
<b>Expected Wall Time</b>	8h0m0s

[View this cluster on Fifemon](#)

Average time waiting in queue: 1m7s

Success rate (% jobs with exit code 0): 100.0%

<b>Used</b>	<b>Min</b>	<b>Max</b>	<b>Avg</b>
<b>Memory</b>	123.9 MiB	129.8 MiB	125.2 MiB
<b>Disk</b>	0.0 GiB	0.0 GiB	0.0 GiB
<b>Wall Time</b>	3h20m13s	6h54m21s	4h46m2s
<b>CPU Time</b>	3h18m15s	6h53m49s	4h43m12s

<b>Efficiency</b>	<b>Min</b>	<b>Max</b>	<b>Avg</b>
<b>Memory</b>	63.4%	66.5%	64.1%
<b>Disk</b>	0.0%	0.0%	0.0%
<b>CPU</b>	93.3%	99.9%	99.0%
<b>Time</b>	41.7%	86.3%	59.6%

<b>Exit Code</b>	<b># Jobs</b>
0	100

- **Current MC needs at least 300M samples to have a significant number of statistics on MM3**
- **50M POT needs 20GB storage**
- **Average computing time for 50M POT is ~5hrs => 300 M needs ~1day**
- **If we run 1000 different configurations, we need ~1000 days of computing time ?**