

HPC working seminar for physicists

Scientific Computing Department at HIM

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bi-weekly meeting – 27.9.2022



Today's Topics

1. Insights into the new Mogon 3 distributed file system – Patrick Keller
2. Stability improvements to Himster 2
3. ML in your thesis or workgroup?
4. beta testers for TBit-Link GSI-HIM wanted
5. your questions

- compact in time (20mins + user questions/discussion).
- bring people together tackling the same problems
- minutes: <https://www.hi-mainz.de/research/computing/hpc-working-seminar/>

1) Outlook into the future

1. “Nationales Hochleistungsrechnen” (NHR Süd-West),

- U Mainz, TU Kaiserslautern, U Frankfurt und U Saarland
- Entitled to apply for resources
- 124M€/10a
- Includes more training and networking for users
- <https://www.nhr-verein.de/unsere-mitglieder>

2. Mogon 3

- Actually under construction at Natfak, commissioning end of 2022?
- GPU cluster
- No HIM-physics share

2) Stability improvements to Himster 2

```
/lustre/miifs05/scratch/him-specf/hyp/steinen/XiAtomsGiBUUInput/data
mkdir: cannot create directory '/localscratch/11534013/singularity_tmp/': Permission denied
singularity exec /lustre/miifs05/scratch/him-specf/hyp/steinen/singularity/fairsoft_centos7.sif //work/Singularityscripts/
specf/hyp/steinen/XiAtomsGiBUUInput/data -i /lustre/miifs/scratch /him-specf/hyp/steinen/XiGiBUU -l /localscratch/11
/var/tmp/slurmd_spool/job11534013/slurm_script: line 27: singularity: command not found
```

Das ist das Log, wenn ich einen Job starte. Wenn ich mich interaktiv auf eine Node verbinde, passiert folgendes:

```
srun: job 11534140 queued and waiting for resources
srun: job 11534140 has been allocated resources
/usr/bin/id: cannot find name for group ID 665969
/usr/bin/id: cannot find name for user ID 282695
I have no name!@x0761 /lustre/miifs05/scratch/him-specf/hyp/steinen/XiAtomsGiBUUInput/data/simlogs $
```

your questions / discussion /
requests to the maintainers?