Data Retrieval

- Data analysis during shifts
- Data retrieval after shifts

Data analysis during shifts

During a shift, the DAQ writes data to the NAS in S20. **You must be on facet-srv20 to access the data!** The data can be found here:

```
[fphysics@facet-srv20 /nas/nas-li20-pm00 ]$ pwd
/nas/nas-li20-pm00
[fphysics@facet-srv20 /nas/nas-li20-pm00 ]$ ll -hrt
total 24K
drwxrwxr-x 3 fphysics facet 4.0K Jul 23 16:03 E300
drwxrwxr-x 3 fphysics facet 4.0K Jul 23 16:53 E326
drwxrwxr-x 3 fphysics facet 4.0K Aug 11 16:09 E305
drwxrwxr-x 3 fphysics facet 4.0K Aug 11 17:18 E320
drwxrwxr-x 3 fphysics facet 4.0K Aug 12 16:13 E327
drwxrwxr-x 4 fphysics facet 4.0K Aug 13 13:36 TEST
```

Data retrieval after shifts

Everyday at 10 AM, the data is transferred from the NAS to SLAC Central Computing where it is redundantly stored (no data loss). Both FACET and FACET-II data is located here:

```
sgess@rhe16-64c nas-li20-pm00 $ pwd
/nfs/slac/g/facetdata/nas/nas-li20-pm00
sgess@rhe16-64c nas-li20-pm00 $ ll -hrt
total 11M
```

The best way to transfer data is to use the `rsync` command which is better than `scp` if the transfer gets interrupted.

To get the data, from your local machine do (for example):

```
rsync -av sgess@centos7.slac.stanford.edu:/nfs/slac/g/facetdata/nas/nas-li20-pm00/E300 .
```