# Status H $\rightarrow \gamma \gamma$

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### **Status**

#### Merging my signal samples

- I am merging all my signal samples.
- They are many small DST (50-100 events per file) which are more suitable for parallel generation using the GRID.
- But, it is more efficient running over a few merged files instead.
- I was merging the files and deletting the original unmerged ones.
  - I deleted some of my samples by mistake.

### The Incident

- ullet I lost almost all my nnH (H  $ightarrow \gamma \gamma$  ) at 1000 GeV this week.
  - I almost end recreating them. It could be worst.
  - Fortunatelly i was not calling script: mistake made by hand and realized promptly.
- Following is an example:

```
calancha@ccw07:/grid/ilc/user/c/calanchac
[calancha@ccw87 calanchac]$ cd /grid/ilc/user/c/calanchac
[calancha@ccw87 calanchac]$ echo "ILCDirac will delete this file" > dirac-test.txt
[calancha@ccw87 calanchac]$ /bin/ls dirac-test.txt
dirac-test.txt
[calancha@ccw87 calanchac]$ dirac-dms-add-file /ilc/user/c/calanchac/dirac-test.txt /grid/ilc/user/c/calanchac/dirac-test.txt KEK-SRM -d
Creating LcgFileCatalog client
Creating FileCatalog client
Creating LcgFileCatalog client
Creating FileCatalog client
putAndRegister: Checksum information not provided. Calculating adler32.
putAndRegister: Checksum calculated to be ac9d8ac9
Trying to load from root path ILCDIRAC
Looking for file /gpfs/home/ilc/calancha/dirac/ILCDIRAC/Resources/Storage/SRM2Storage.py
Trying to load from root path DIRAC
Looking for file /gpfs/home/ilc/calancha/dirac/DIRAC/Resources/Storage/SRM2Storage.py
getStorageElementName: The Storage Element name is KEK-SRM.
 executeFunction: Attempting to perform 'putFile' operation with 1 pfns
isLocalSE: Determining whether KEK-SRM is a local SE
 executeFunction: Generating 1 protocol PFNs for SRM2
 executeFunction: Attempting to perform 'putFile' for 1 physical files
pythonCall: gfal wrapper
pythonCall: gfal wrapper
pythonCall: gfal wrapper
putFile: The source local file does not exist, /grid/ilc/user/c/calanchac/dirac-test.txt
putAndRegister: Sending accounting took 1.9 seconds
putAndRegister: Failed to put file to Storage Element. /grid/ilc/user/c/calanchac/dirac-test.txt: putFile: The source local file does not exist.
Problem during putAndRegister call
ERROR putAndRegister: Failed to put file to Storage Element. putFile: The source local file does not exist.
[calancha@ccw07 calanchacls /bin/ls dirac-test.txt
```

## The learning lection

#### You should not write files directly in the kekcc GRID locations

- Dont do like second line of previous terminal snapshot.
- There is no reason to directly write there (temporally files either).
- You should write in such place using GRID tools.
  - Using ILCDirac files are located in such location and registered in a file catalog.
  - Once is registered you will get an error if you try to reallocate same file again.
  - In the previous example 'dirac-test.txt' is not registered in the catalog.