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# Report LHCb

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### LHCb status

LHCb is in data taking until beginning of December.

The End-of-year-technical-stop (EYTS) will be very short this year!

Intense data processing campaign planned in early December and to continue during Christmas break.

What to expect @CNAF:

present-Dec: FTS CERN -> disk -> tape

Dec-Feb: recall from tape -> disk (with very intense POSIX & WebDAV IO)

Data taking should restart earlier than usual (half March!)

### **Trasferimenti FTS**



09/26

09/28

09/30

09/22

10/10

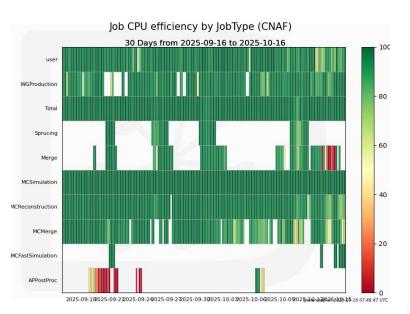
10/06

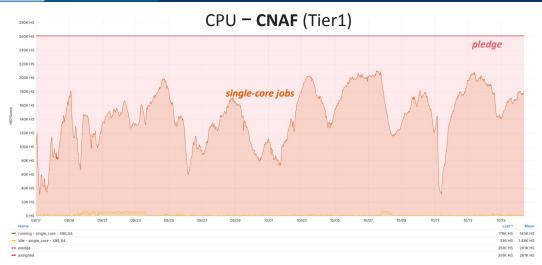
10/04

10/02

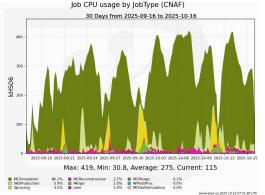
### **CPU** usage

The use of CPU resources is below **nominal values** for lack of pressure from the experiment

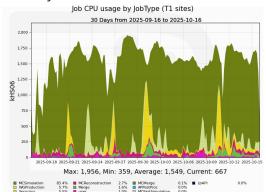




#### from DIRAC: CNAF (Tier1 + Tier2)



#### from DIRAC: all Tier1 sites



## **Backup**

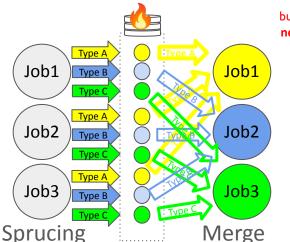
### **Hot-storage region**

The scope of the *hot*-region is to (temporary) store files produced by Sprucing jobs which, processed by Merge jobs, are combined into a single merged file, then deleting all the input files used.

To pursue this goal, GPFS has been configured with a dedicated **placement policy**:

/gpfs\_lhcb/disk/lhcb/\*\*/\*.dst ightarrow NVMe (but this is the whole disk)  $\frac{\text{filled too quickly}}{\text{filled too quickly}}$ 

/gpfs\_lhcb/disk/lhcb/buffer/\*\*/\*.dst → NVMe (correct path)



buffer/isn't a fileset hence no policy can be set in GPFS....



99%