Status of the KLOE computing

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Quick status update

- FIBM0B repair

- Download old tape library data from FIBM0A

- Transfer to CNAF

FIBM0B repair

- It does not power on: when we try, it returns a «Fan fault» error even after we replaced fans and power supplies

- On Feb 7th it also showed problems on 7 DIMMs on processor card, but this problem seems to have fixed itself

- Eurolabs offered contract for 57k€ for maintenance, but we told them we just need a repair → waiting for a reply

- Could Liverpool pay for a repair contract?

Strategy to download from FIBM0A

- We are all set to download data from the old tape library, one cartridge at a time so that we don't stress the system too much

- For each cartridge: one .txt file with a list of all files that we want to download from that cartridge
/gpfs/group/liverpool/lorenzo/FIBM0A_Cartridges

- 1112 cartridges on FIBM0A: except 3 of them, each contains a specific stream/DST/MC/raw (files are well-organized)

- Organized spreadsheet: Link

- 4 minutes for 20 files (12 GB)

Problem: missing disk space

- /ke00/: 1.5 TB available. 5-6 cartridges at most...
- /ke01/: 9 TB available, but not mounted on fibm0a
- /dataroot/: 30 TB available, but not mounted on fibm0a
- LNF computing centre buffer disk: 378 TB available, also planning to expand with more disks from CERN → ideal solution, but we need Francesco to tell us how we can access it with write-permissions

- Other spaces, like /recalled/? /recalledb/?

Transfer to CNAF

- Backup solution of moving the physical tapes/drives to Bologna cannot work: they don't have the physical space on their libraries to host us
- The transfer will happen via scp (or similar)
- In 1-2 weeks after the meeting on 26/02/25, the connection should be set up to transfer from LNF to CNAF
- Currently: 270 TB root files to transfer