Computing facilities

Veta Ghenescu

Institute of Space Science – INFLPR Subsidiary, Bucharest, ROMANIA

ECAL workshop – 30.01.2025

Computing facilities

ISS – has a dedicated server for ECAL-LUXE group

Operating system: CentOS Linux

CernVM File System installed (cvmfs)

Access via SSH using Public Key Authentication

~2.8 TB of experimental data (TB2020, TB2021, TB2022) stored on the LUXE server

External users from AGH, IFIC, TAU, UW have an account

- Geant4, Root and Phython can be access to proceed data

Computing facilities

ISS – server for ECAL-LUXE group - configuration:

- **CPU model/make:** AMD EPYC 7713P 64-Core Processor
- **CPU Core:** 64
- **Thread per core:** 2
- **Total threads:** 128
- **Total memory:** 258 GB
- **Storage**: 6 x 12 TB drives in RAID6
- **Total storage:** 44 TB

For the upcoming test-beam (**TB2025):**

– **40TB** available for data storage

- data storage capacity up to **65 TB**.

The question is how we will transfer the acquired data to the server???

Computing facilities

For the upcoming test-beam (TB2025):

- An external hard drive of **4 TB** is available to be used for backup of some experimental data.

- ISS takes into account purchasing another external hard drive of **10 – 12 TB.**

Electronic Logbook:

- An electronic logbook will be stored on *Google Drive* and should be accessible to everyone who has the link.

- All users will have "*edit*" permission.