

LUXE SAS meeting, 16th October 2023

Data migration

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DUST storage

- ❖ LUXE was given 40 TB of DUST storage which was divided into user and group space.
- ❖ Group space has a total of 27 TB.
- ❖ User space is 0.5 TB per user, downgraded from the default 1 TB quota.
- ❖ This has been very tight for a long time, for both user and group needs.

Grid

- ❖ We also have grid storage, courtesy of ILC.
- ❖ Information on confluence page: <https://confluence.desy.de/display/LUXE/LUXE+storage+on+grid>
 - ❖ How to access, naming policy, etc.
- ❖ Once we get CD2, more storage space can be bought.
- ❖ In principle, any official samples should go to grid, and DUST group space is a temporary solution for sharing files.

DUST usage

- ❖ Out of 26 TB, 18 TB is used for background files alone.
- ❖ 11 TB for e-laser setup.

Size	Folder	Description/Comment
279G	Background/elaser/ 03112021_b7acaa6e	0.14 BX, Setup corresponds to commit b7acaa6e (hics branch) with additional neutron absorber attached to the electron beam dump. It is made of borated polyethylene concrete.
977G	Background/elaser/ 10022022_e67ace8b	0.47 BX, Setup corresponds to commit e67ace8b (hics branch) with additional neutron absorber attached to the electron beam dump. It is made of borated polyethylene concrete. Shielding material is changed to iron and additional infrastructure components were implemented.
3.9T	Background/elaser/ 10102021_7671ee4c_fast	7.45 BX, Setup corresponds to commit 7671ee4c305 (hics branch) elaser_tdr_v0.1 with the option to stop tracking particles which hit beam dumps or shielding.
2.9T	Background/elaser/ 22112022_33ace143_ecal	No information?
3.0T	Background/elaser/ 31082021_7671ee4c	2.13 BX, Setup corresponds to commit 7671ee4c305 (hics branch) elaser_tdr_v0.1
33G	Background/elaser/ fluka_3076aff1	Can probably be deleted now? Does Kyle still need this?

DUST usage

- ❖ 6.5 TB for gamma-laser setup.

Size	Folder	Description/Comment
252G	Background/gammalaser/01122021_053bf4b7	1.26 BX, glaser commit 053bf4b7. Bremsstrahlung target is 35um thick.
396G	Background/gammalaser/08052022_6f606449	No information?
278G	Background/gammalaser/09102020_lxb18e	Rather old, will be moved to grid in case.still needed.
5.1T	Background/gammalaser/ 10012021_850fd10d_fast_sim	No information?
452G	Background/gammalaser/11062021_shielding	No information?