

Suggestion for CHEP poster/talk

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Present Storage

Archive

- dCache with tape backend
- Manually created tar files
 - Tapes don't like small files
- 2 tape copies

Online

- dCache disk-only
- r/o access
- no backup

Updated Storage



No change here

Archive

- dCache with tape backend
- Manually created tar files
- 2 tape copies

Online

- dCache disk-only
- ro access
- **Small files plugin**
 - Performs the automatic, transparent to the user, packing of single files into tape friendly container files
 - “Overflow” storage

Advantages: All data is accessible without manual intervention from the online store.

Design of the archive part will not be changed. Keeping the plain and simple concept

Suggestion for CHEP

- We do not have much new material for a talk/poster
- We would like to have a contribution from DPHEP@DESY at CHEP

A poster about DPHEP@DESY with emphasis on bit-preservation where a part is dedicated to the new small files plugin