

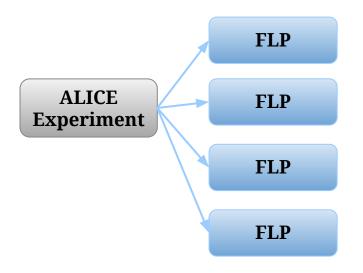
CERN Day UPB, Oct 2022

About me...

- PhD student in the 1st year
- Bachelor's degree and master's degree at ACS
- Started the CERN collaboration in 2020 during my master's degree
- EPN2EOS Master Project transfers data from ALICE experiment to a remote persistent storage





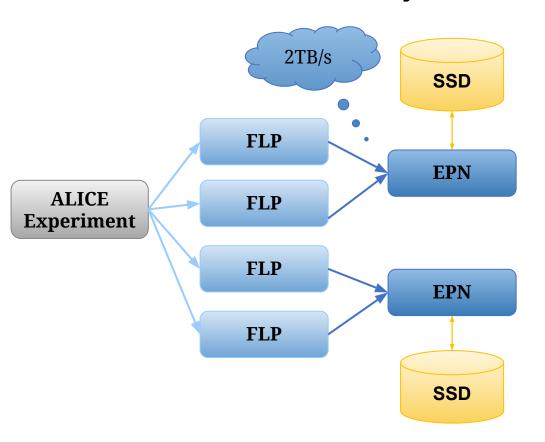


FLP - First Level Processor

- 200 computers
- 8000 optical links



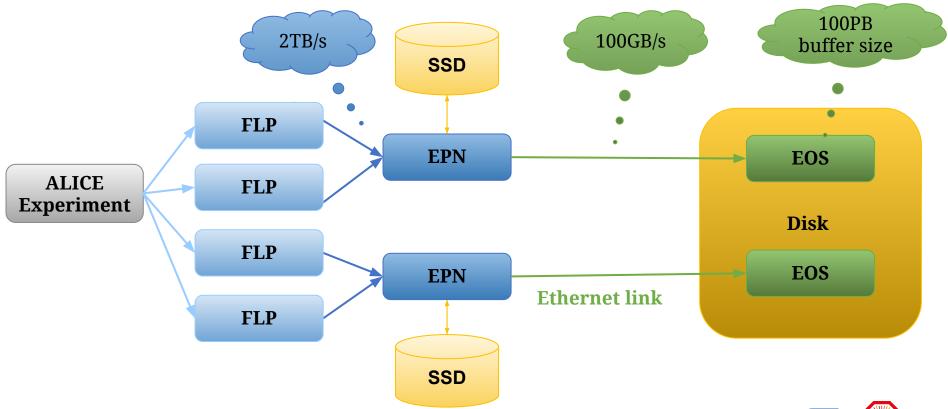


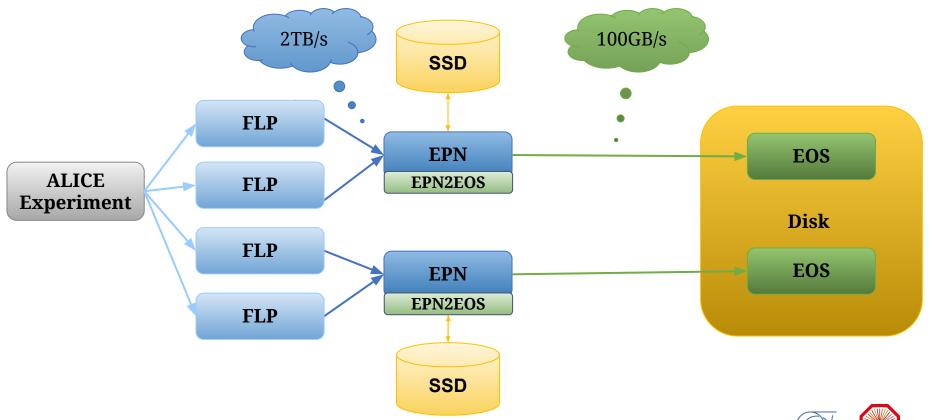


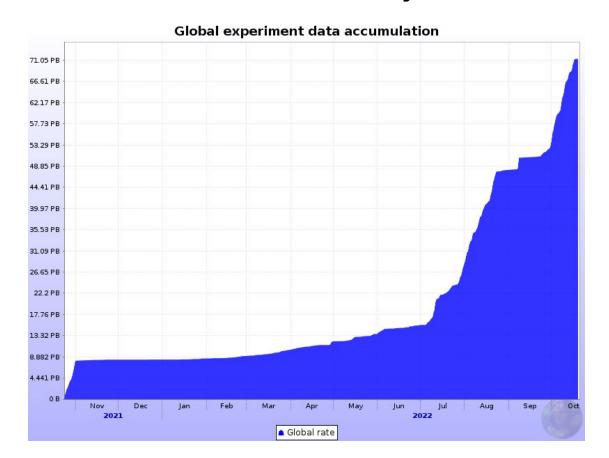
EPN - Event Processing Node

- Computer inside which runs CentOS 7
- *Infiniband* transporting time frame
- SATA link between EPN and SSD









- written in Java
- running as a daemon service on EPNs from *October 23*, 2021
- transferred **71PB** of data during a year
- total number of transferred files: **55M**
- average file size: **1.4GB**





Why CERN?

- open people, eager to help
- project you are working on matters
- work from CERN for several months
- development and accumulation of knowledge from several domains such as networking, operating systems, databases, grid computing and others
- existence of a connection between physics and computing





Thanks



