

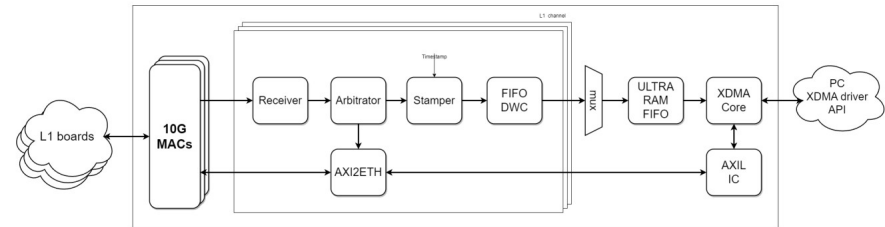


National Research
**Toms
State
University**

NICA SPD L2 concentrator firmware

Vladislav Borshch
Laboratory of HEP TSU

02.06.2025





Server DAQ

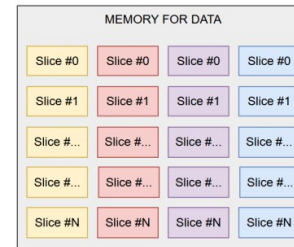
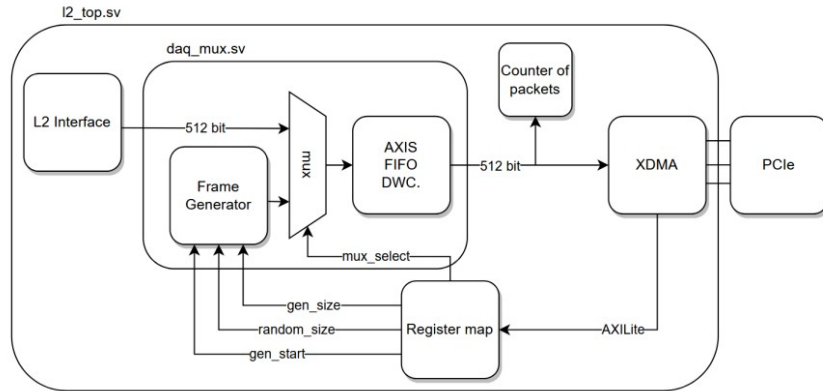
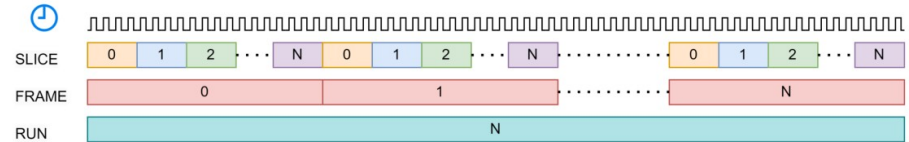


Рис. 8 – Буферизация в DDR4 DRAM



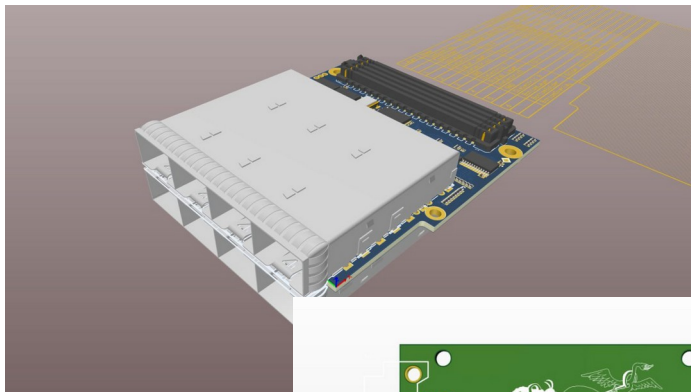
Finish API prototype

Bachelor's thesis defense

Ready for JINR visit

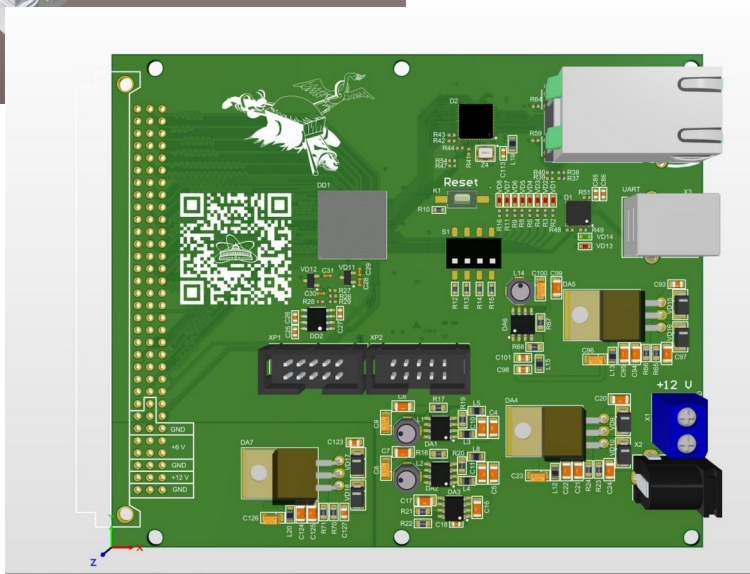
Implementation of clusterizations algorithms is postponed

Hardware activities



New mezzanine production & assembling is ongoing in JINR

First prototype of carrier board for our mezzanines by Boikov@JINR





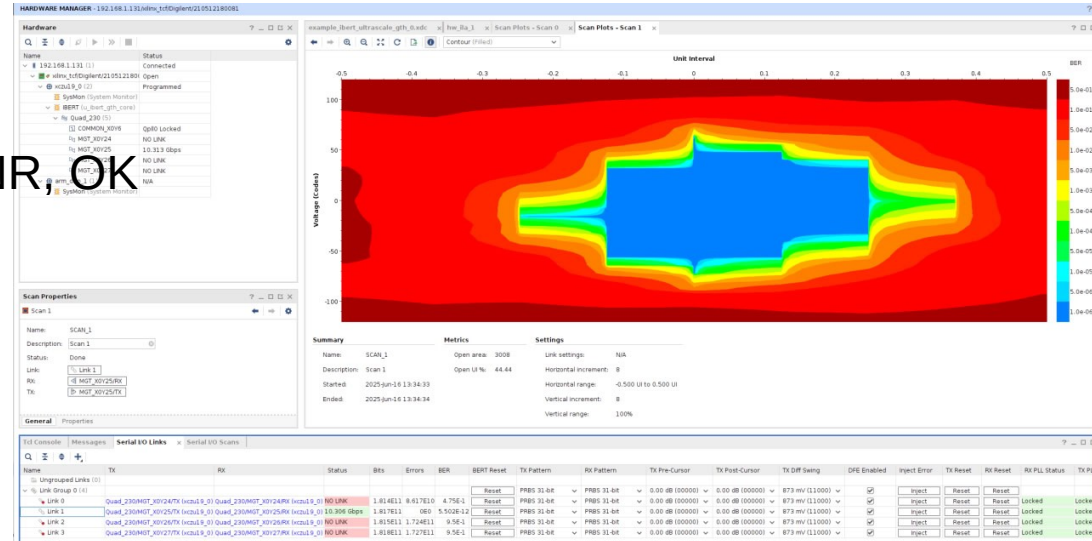
10G issues solution workaround



Tomsk, OK

Tomsk, Fail

JINR, OK





Ongoings

- Bringup onboard DDR for clusterization data;
- Continue investigation issues with 10G links;
- Kirill and Dima on the way to visit to JINR. We prepare drafts of firmware, software and hardware which will be used and improved during visit.