

LUXE Computing and DAQ Roundtable Session (Warsaw Contribution)

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- main software interest: MC simulation, Geant-4 study (starting with CAL-P/CAL-E)
- middle term plans: join the reconstruction and data analysis effort
- detailed plans depends on recruiting new manpower:
 - post-doc (finishing PhD Thesis), expressed interest in LUXE
 - graduated bachelor student (starting MSc Thesis)
- Warsaw is a “newcomer” to LUXE, we are learning new things

- currently we do not have resources in this field, neither electronics/software engineer...
- some experience from “old times” of ZEUS experiment (muon trigger for Backing Calorimeter) but not up-to-date expertise in this field (modern hardware, software solutions)...
- we can contribute only at defining some “high level” general requirements / ideas

- CPU: possible application for CPU time at Warsaw ICM (Interdisciplinary center for computer modeling)
→ big farm with queuing system for large off-line jobs
- Storage: disk space at Faculty of Physics
(order of few tens of TB, but rather slow access ($< \text{Gb}$ rate))
- details “to be defined” depending on the LUXE needs, we can allocate financial resources in grant application we plan to submit in coming term
- what kind of resources and support
(software environment, compilers, disk space, etc).
will be needed ?