

Parallel Algorithms for Online Trackfinding in PANDA

Summary

One of the challenges of the PANDA experiment is the triggerless readout of the complete detector and the online event selection to reduce the data rate by three orders of magnitude. One key component in the online processing of the data is the track finding and fitting of charged particles. Here PANDA studies the usage of GPUs to utilize their huge parallel computing power. The poster will present the concept and the developments of algorithms suitable to run on GPUs.

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