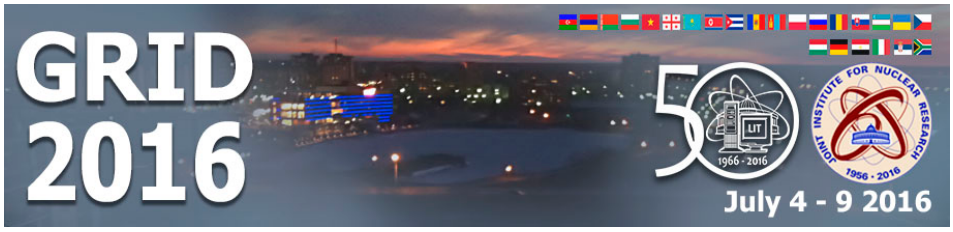

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Dynamical virtualized computing clusters for HEP at Budker INP

Friday 8 July 2016 13:30 (15 minutes)

There are several experimental groups at Budker INP participating in local and international HEP projects. Their requirements on computing resources and environments vary widely, often being incompatible.

On the other hand, there are several computing sites nearby the institute, providing supercomputer resources for academic users, each site having its own specific setups.

The dynamical virtualized computing cluster concept allows to integrate these remote resources for BINP users in a convenient for each users group manner.

The presentation shows details of the implementation, namely the mechanisms of integration of local and remote batch systems and running virtualized machines inside batch system task. Several use cases and success stories at BINP are listed.

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