Contribution ID: 22 Type: not specified

## Adopting modern hardware for lattice QCD calculations.

Thursday, 12 February 2015 12:20 (20 minutes)

The calculation of observables in lattice quantum chromodynamics (QCD) requires to solve many linear equation systems with matrices of rank up to several millions.

We discuss the adoption of modern highly parallel computer hardware, in particular GPUs and Intel MICs, to accelerate this task.

Presenters: SCHRÖCK, Mario; SIMULA, Silvano (ROMA3)