



Contribution ID: 303

Type: **Poster Presentation**

Bridge++ 2.0: Benchmark results on supercomputer Fugaku

Tuesday, August 9, 2022 8:00 PM (1 hour)

Bridge++ is a general-purpose code set for lattice QCD simulations aiming at a readable, extensible, and portable code while keeping practically high performance. The new version 2.0 employs machine-dependent optimization, extended from a fixed data layout in double precision only to a flexible data layout in float/double precision. In this talk, we report the performance on supercomputer Fugaku with Arm A64FX-SVE by Fujitsu.

Primary authors: Dr MATSUFURU, Hideo (KEK); KANAMORI, Issaku (RIKEN); KANAYA, Kazuyuki (University of Tsukuba); Dr AOYAMA, Tatsumi (ISSP, University of Tokyo); NAMEKAWA, Yusuke (Kyoto Univ)

Presenter: KANAMORI, Issaku (RIKEN)

Session Classification: Poster

Track Classification: Software development and Machines