Lattice 2024



Contribution ID: 451 Type: Poster

## Progress on the GPU porting of HiRep

Tuesday, 30 July 2024 17:15 (1 hour)

HiRep allows flexible simulations of higher representations of Wilson Fermions with various actions and gauge groups and a range of inverters and integrators. This is particularly important for enabling evaluations of observables relevant to phenomenological inputs for Beyond-the-Standard-Model physics from lattice field theory. We present progress on the GPU porting of available features.

**Primary authors:** Prof. RAGO, Antonio (QTC & IMADA, University of Southern Denmark); PICA, Claudio (University of Southern Denmark); MOLINARO, Emiliano (University of Southern Denmark); KJELLGREN, Erik (University of Southern Denmark); MARTINS, Sofie (University of Southern Denmark)

**Presenter:** MARTINS, Sofie (University of Southern Denmark) **Session Classification:** Poster session and reception

Track Classification: Software Development and Machines