Contribution ID: 79 Type: MCRP-S

Implementation of Lattice QCD common code to large scale parallel supercomputer with manycore and GPU architecture

Number of project members 7 Cygnus: Project code [BRIDGEPP] Cygnus: Requested [awarded] number of nodes [16] Cygnus: Requested [awarded] node-hour product [1000] Cygnus: Requested [awarded] disk capacity (TB) [15] OFP: Project code [xg18i014] OFP: Requested [awarded] number of nodes [1024]OFP: Requested [awarded] node-hour product [16000] OFP: Requested [awarded] disk capacity (TB) [20]

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Track Classification: Particle Physics(素粒子分野)