

LQCD Extension Computational Resources for Lattice QCD: 2010-2014

CD-1 Review

**Department Of Energy
Germantown, MD
April 20, 2009**

Review Questions

1. Do the host sites (BNL, Fermilab, TJNAF) have any additional infrastructure needs as a result of the LQCD-ext project?
2. What changes in cybersecurity requirements has DOE implemented for IT projects in recent years that affect LQCD-ext, and how will these requirements be met?
3. Are there any hardware and software development issues that are critical for the success of the project? (For example, assumed increases in processor and other hardware capabilities during the lifetime of the project, and compilers and operating systems for efficiently handling a large number of processors.)
4. We would also appreciate a discussion that contrasts LQCD-I with LQCD-ext, and notes the simplifications that result from this relationship and any challenges that it may create.