

## Computing Requirements List

**Proposal Title:** Mapping the Spectrum of Light Quark Mesons  
and Gluonic Excitations using Linearly Polarized Photons

**Spokesperson:** Alex Dzierba **Experimental Hall:** D

### Raw Data Expected

**Total:** 2 PB **Per Year (long duration experiments only):** 1 PB

**Simulation Compute Power (SPECint95 hours) Required:**  $1.0 \times 10^9$  SPECint2K hours (simulation)  
 $1.0 \times 10^9$  SPECint2K hours (reconstruction)

**On-Line Disk Storage Required:** 70 TB

**Imported Data Amount from Outside Institutions:** 900 TB

**Exported Data Amount to Outside Institutions:** 165 TB

**Expected Mechanism for Imported/Exported Data:** GRID

### Special Requirements

For example, special configuration of data acquisition systems) that may require resources and/or coordination with JLab's Computer Center. Please indicate, if possible, what fraction of these resources will be provided by collaborating institutions and how much is expected to be provided by JLab.

Need set up and maintenance of transfer lines to carry data from Hall-D to silo.

Need grid tools for transferring DST data offsite and simulated data onsite.

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