**CNM Grant Procurement Memo**

Applies to:

Funding source (choose one):

~~State~~ **Federal X**

* Federal purchases $10,000 and above or,
* State purchases $20,000 and above
* Purchases less than $60,000

**Grant/Project Title**: Dept of Ed Quantum Learning Lab

**Project Director/PI:** Brian Rashap

**Grant number within Workday**: GR300429

**Description of goods or services**: Optical Table

**Benefit to grant and CNM:** Describe how/why this purchase will meet objectives of project.

The Quantum Learning Lab’s neutral atom magneto-optical traps need to be setup on optical tables with the correct dampening to ensure the correct photonic alignment for trapping Rb-85 atoms.

**Estimated dollar amount:** $11,500

**Rationale for method of procurement:** Describe how quotes were gathered

Direct quotes from three suppliers of Optical Tables.

**Contractor selection or rejection:**  Name each vendor and indicate whether selected or rejected. This will document and justify the decision for procurement.

* VENDOR #1: ThorLabs
  + Selected or Rejected: Rejected
  + Amount of Quote: $11,481
  + Justification: The ThorLabs table meets all f the technical needs and is a US-based company. The dampening needs are met at a lower price than Vendor 2.
* VENDOR #2: MKS/Newport
  + Selected or Rejected: Rejected
  + Amount of Quote: $23,695
  + Justification: The MKS/Newport table meets all of the technical needs and is a US-based company. The Newport table had higher dampening than the Thorlabs table (these were the most comparable in the size range that we need), and the higher dampening isn’t needed for our students and isn’t justified by the cost difference.
* VENDOR #3:
  + Selected or Rejected: Rejected
  + Amount of Quote: $10,597 (plus shipping)
  + Justification: Table is comparable in cost, but made in China by a Chinese-based company.

**Vendor1: Thorlabs**

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**Vendor2: MKS/Newport**

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**DAEIL Systems**

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