**MUSE Basis of Estimate**

**Element WBS #5**

I. General Information

Task Name: Cryo target major hardware

Unique ID Number

Date of Estimate: March 22, 2014 (last update)

Estimate Generator: W. Briscoe, R. Ransome

Cost Category:

 X M&S

 SWF

Comments:

Vendor Quote Number if Applicable\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Drawing Reference Number or Attachment:

Costing Method: Cost based on prior experience with similar systems

Total Task Cost: $270,200

Total Contingency: $70,000

II. Cost Estimate Breakdown

Cost of each element, along with justification

All estimates based on previous similar projects.

Instrumentation, hardware, monitoring devices: $135,000

F & A at 52% = $70,200

Cold head: $30,000

Motion System: $35,000

Total cost: $270,200

III. Contingency and risk analysis

All items are commonly available. Overall contingency is estimated at 26%, or $52,000.

