**MUSE Basis of Estimate**

**Element WBS #4**

I. General Information

Task Name: Gas System for Straw chambers

Unique ID Number

Date of Estimate: March 19, 2014 (last update)

Estimate Generator: G. Ron, R. Ransome

Cost Category:

 X M&S

 SWF

Comments:

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

Drawing Reference Number or Attachment:

Costing Method: Cost based on quotes

Total Task Cost: $43,871

Total Contingency: $11,845

II. Cost Estimate Breakdown

Cost of each element, along with justification

Assume $1.3 = 1 Euro

Gas Components

5 mixing sets, price from quotes in Euro

Mass Flow controller - 1260 each

Mass Meter - 1576 each

Pressure Meter 2196 each

Connectors 500 each

Total per set 5532 Euro = $7192 each

5 sets $35,960

VAT $7911

Total Cost $43,871 ($8774 each)

III. Contingency and risk analysis

With currency fluctuation of 10%, total contingency is 27%, or $11,845.

