

RE: Welding Fiducials on Vac Chambers

John C Kyle

Sent: Thursday, July 10, 2014 11:58 AM

To: Aria Soha; Hogan Nguyen; Del Allspach

Cc: Horst W Friedsam

Re:

1. These fiducials are \$18.05 each * 12 chambers * 4 fiducials per chamber = \$866.40.
2. Welder 1 to 1.5 hr each chamber * 12 chambers = 12 to 18 hrs

Hope this helps.

John

From: Aria Soha

Sent: Thursday, July 10, 2014 11:18 AM

To: Hogan Nguyen; Del Allspach; John C Kyle

Subject: Welding Fiducials on Vac Chambers

Hi,

1. Is there a quote for the \$700 to buy fiducials? (Where did that number come from?)
2. Why do we think it will take a welder 17 hours to weld all the fiducials on all the chambers? (With aluminum welds)

~Aria Soha

Fermi National Accelerator Laboratory

Intensity Frontier & Test Beams

Detector Operations Group Leader

<http://home.fnal.gov/~aria>