

# Hg System Assembly and Testing Status

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#### **Beam Windows**

- Secondary beam windows received and installed
- Problem with bolt pattern on downstream window was corrected

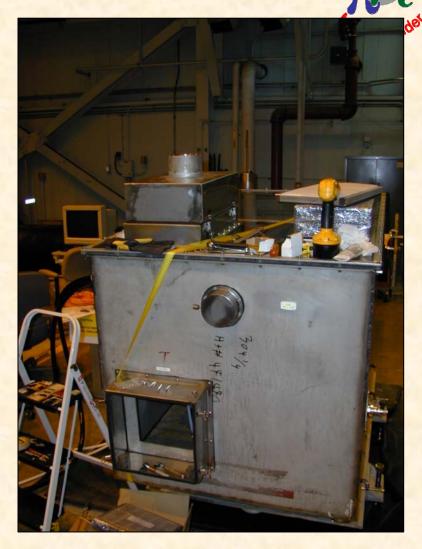




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# **Hg Vapor Filter Boxes**

 Filter boxes received, installation nearly complete



### **Vapor Monitor Tests**

- Both vapor monitors (Jerome 431-X and Mercury Instruments VM3000) tested to verify ability to read vapors through 10m, small-dia tubing
  - Jerome samples every 5 minutes, VM3000 continuously samples
  - Both units detected elevated vapor levels
    - VM3000 within a few seconds
    - Jerome within 2 samples
- Signals integrated into Labview control system
  - VM3000 output correctly read by Labview
  - Having some difficulties with the Jerome unit, discussing with vendor tech support





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# **Shipping Crates**

 Custom crates for Hg system and HPU delivered

 Commerical boxes and pallets delivered

Certified for international shipment (ISPM-15)







# **CERN Hg Shipment**



- Initiated process to ship Hg to CERN separately from target equipment
  - Hg for MIT tests will be included with equipment and shipped back to ORNL afterwards
- Overpack containers being procured
- Flask handling and filling process being defined
- Expect to ship by air in January

### **Current Status / Next Steps**



- Finalize secondary containment assembly and leak check
- Prepare Hg flasks for shipment to CERN
- Awaiting delivery of new Ti nozzle