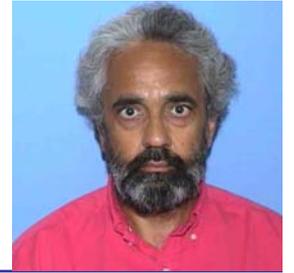




Remote Handling/Target Hall Summary



Vinod K. Bharadwaj

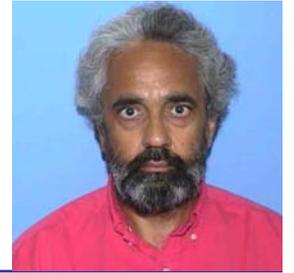
SLAC

September 10, 2007





Remote Handling/Target Hall



- Four talks
 - Tom Burgess (ORNL) – ILC Remote Handling Design Considerations
 - Andriy Ushakov (DESY/Z) – Geant4 Simulations for ILC Positron Source
 - Jidong Long (ANL) – Simplified ILC Target Hall Activation Study
 - Jim Grudzinski (ANL) – Remote Handling of Nuclear Materials
- Highlights
 - For 88 kW photon beam power target, AMD ~ 100 curie sources after 500 hours of operation. After 1 week cool-down target ~ 10 R/hour
 - Nice work from ANL, looking at activation of copper, steel by e+, e-. Have to carefully look at materials used after target
- What to next
 - Activation levels require remote handling
 - Need to make list of needed information for the remote handling experts
 - Add remote handling concepts to the target design
 - Need more realistic activation calculations
 - What is needed target hall size // what additional cost for ILC