Status Report
100 keV DC Gun Test Stand

March 10, 2005
Gun Test Stand Location

T5 bunker layout scale 1:100
height of bunker: 2.25m
ceiling: 4 blocks 1x6x0.5 m³

A.Streun, Mar.08,2005
Gun Test Stand Schematic
3D Plot: Cathode, Anode, Solenoid
Gun Test Stand Schedule

• Presently
  • bunker is ready; furniture, rack, tools & chiller have arrived
  • electrical installations (power outlets, switches, light) are being finished
  • solenoid field measurement & zoom optics resolution testing

• March
  • next week: AMI delivers partly assembled test stand to WSLA
  • assembly and cabling of diagnostic module (?)
  • installation of compressed air connection
  • network connection, VME crates, EPICS drivers/software
  • first pumpdown & bakeout, installation of first FEA

• April
  • LAC installation & acceptance testing
  • commissioning & first measurements
Test Stand Bunker Right Now...
Solenoid Field Measurement Setup

Solenoid
Hall probe
3D mover
Solenoid temperature readout
Hall probe readout
Zoom Optics Resolution Measurement

Light

Sample

Controller

Screen

Lenses

Camera