

Status Report

100 keV DC Gun Test Stand

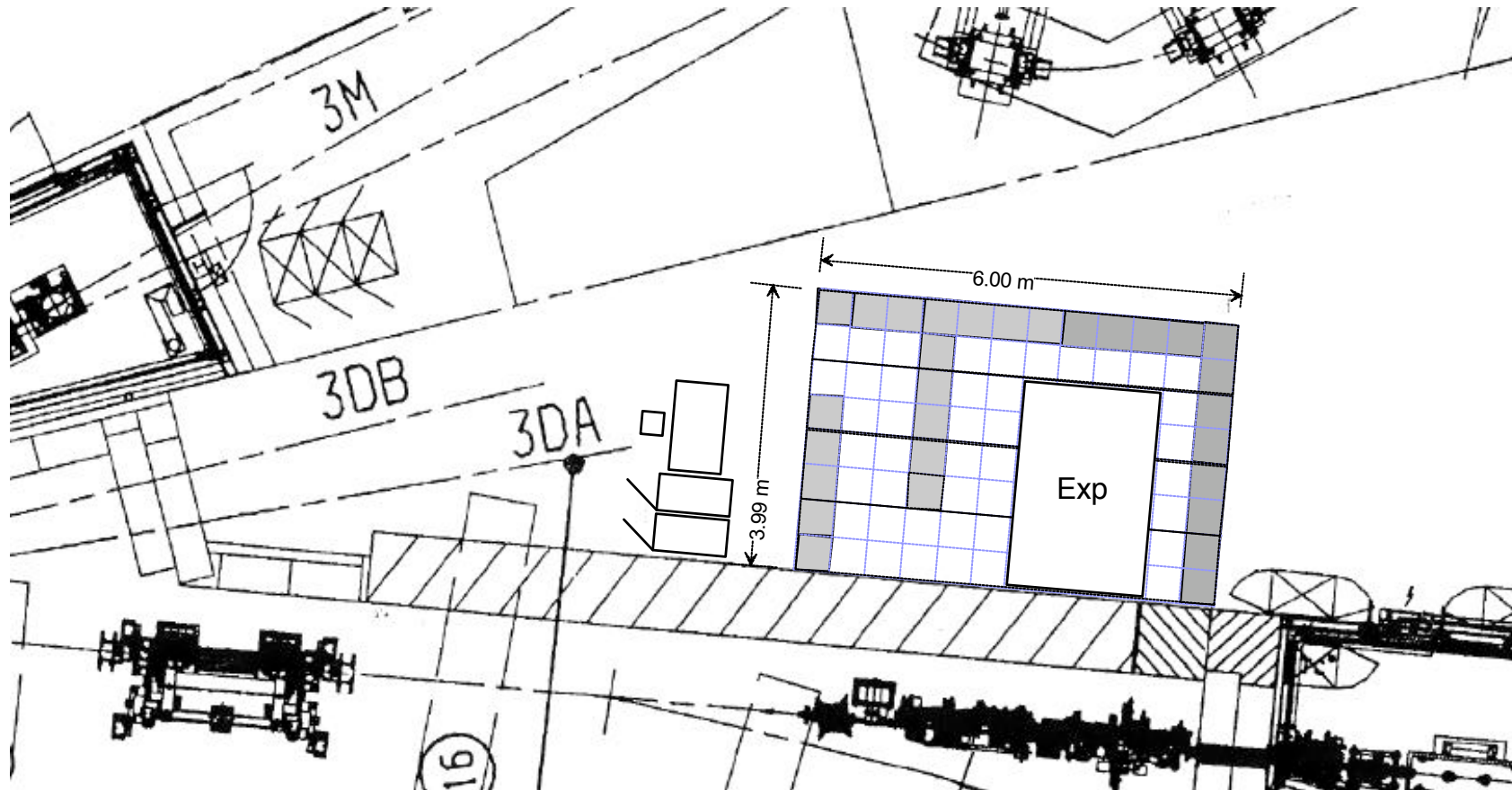
March 10, 2005

Gun Test Stand Location

T5 bunker layout scale 1:100

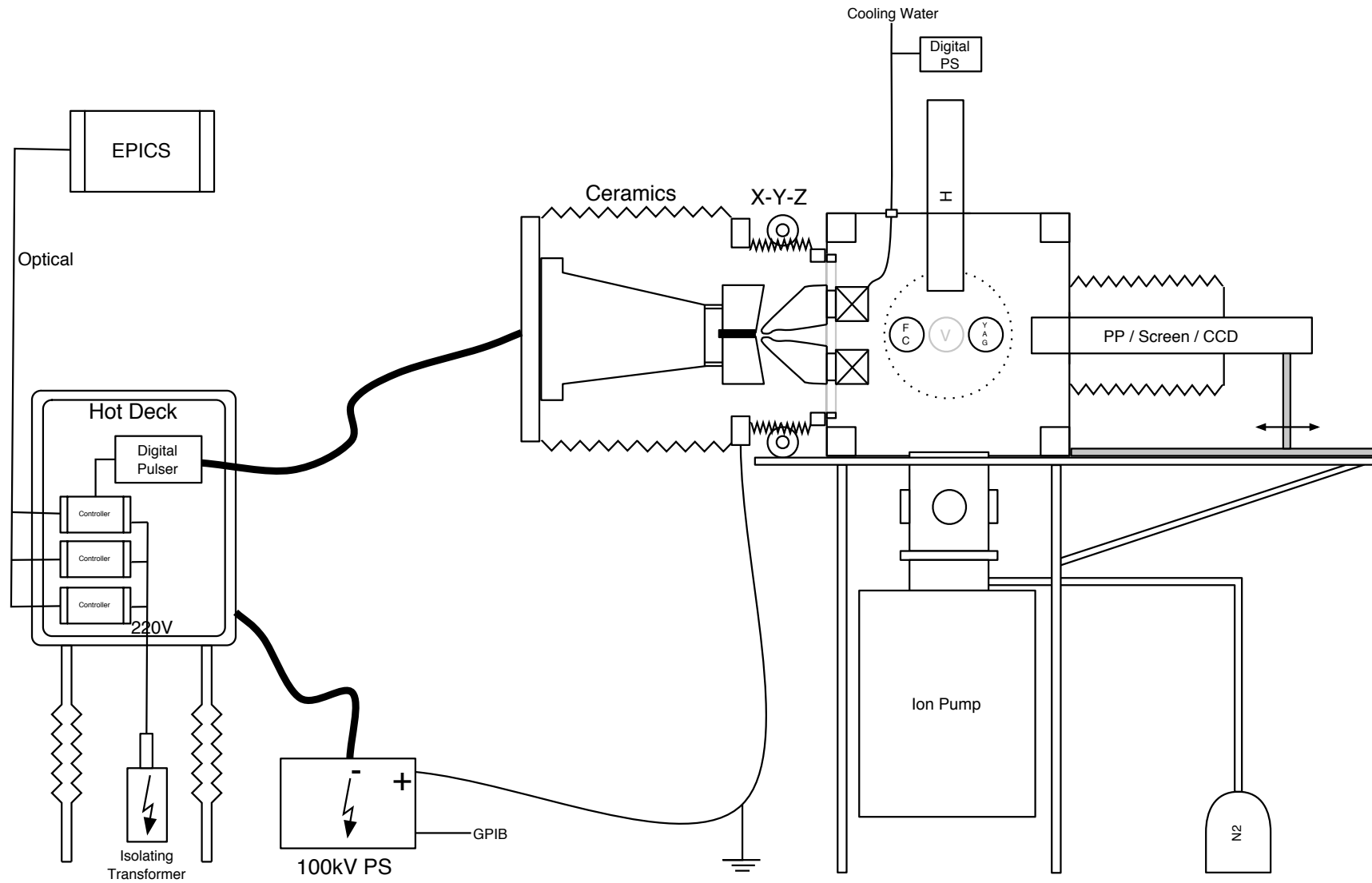
height of bunker: 2.25m

ceiling: 4 blocks 1x6x0.5 m³

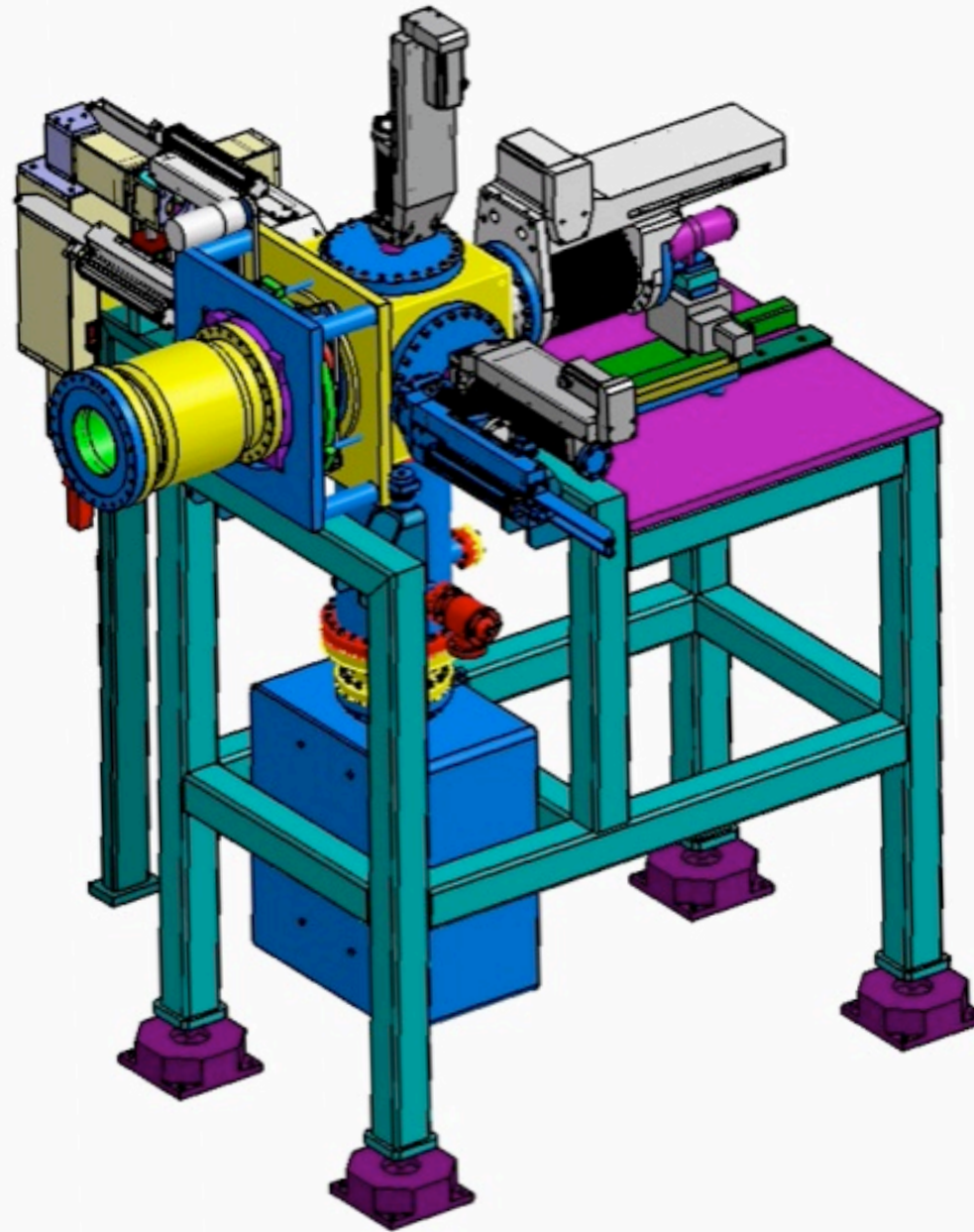


A.Streun, Mar.08,2005

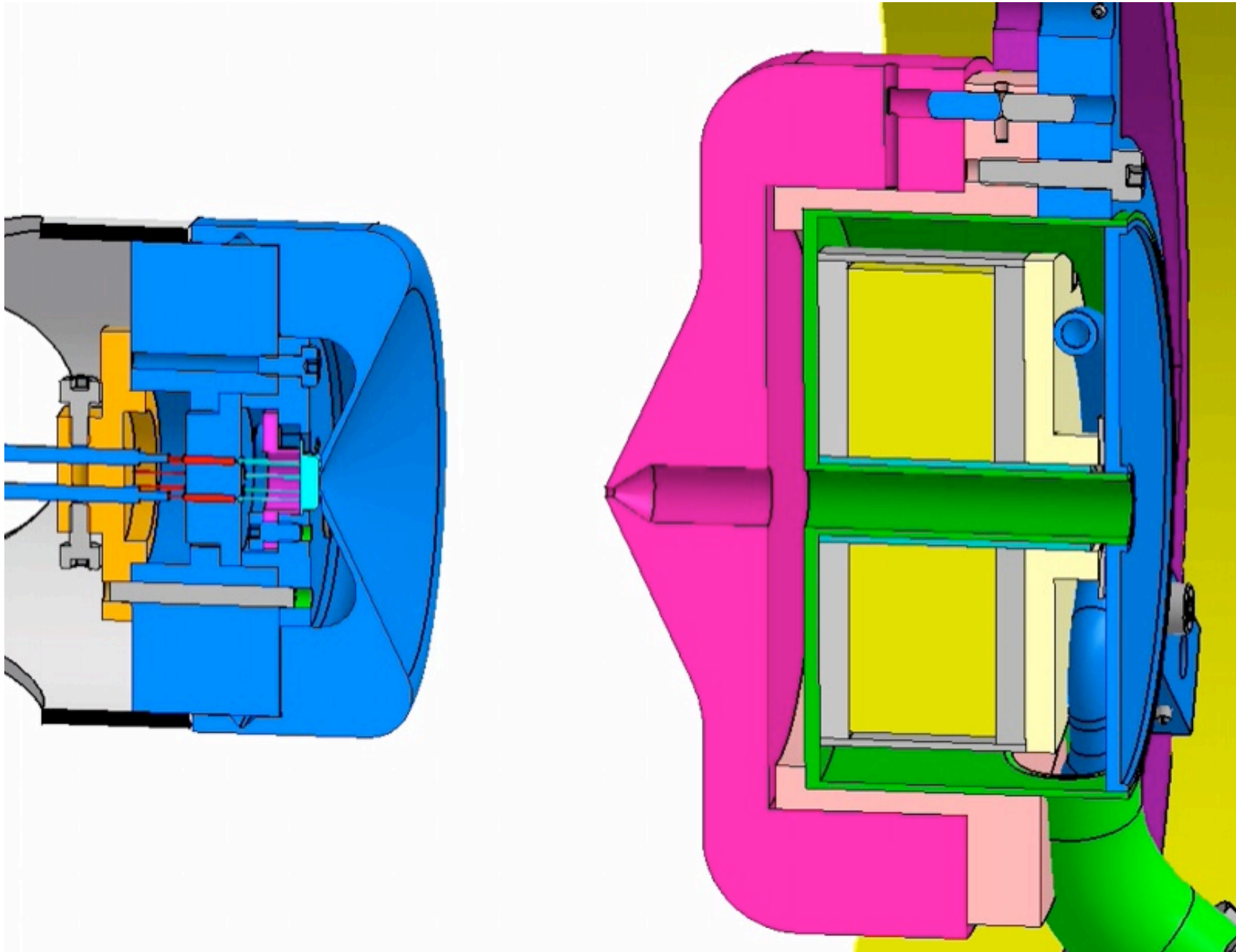
Gun Test Stand Schematic



3D Plot: Gun Test Stand



3D Plot: Cathode, Anode, Solenoid



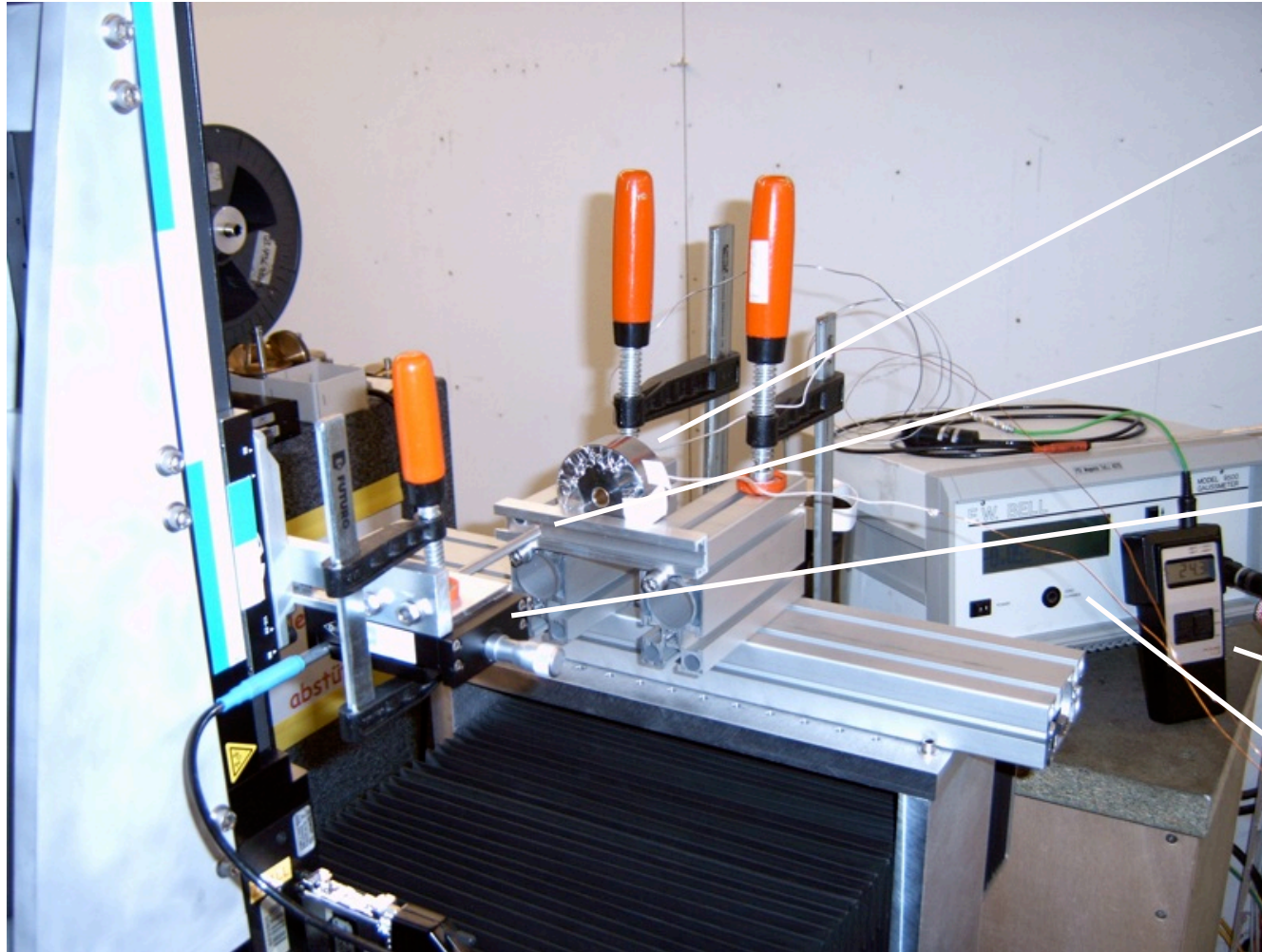
Gun Test Stand Schedule

- 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 VWSLA
 - 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

