Opening and dimension measurement of ANG I and RG III detectors

Marik Barnabé Heider, GERDA meeting, June 26th 2006

Opening of the enriched crystals

- In LARGE underground detector laboratory, LNGS
- Clean room environment
- Opening inside clean bench

LARGE underground detector laboratory, LNGS, equipped with radon-free and normal clean bench.

Opening of ANG I

•April 11th, 2006

•Participants : M.Barnabé Heider, O.Chkvorets, K.Gusev, G.Heuser, S.Shönert, H.Strecker

Opening of ANG I

•Warming up and N_2 ventillating

•Opening of the cryostat

•Opening of the holder

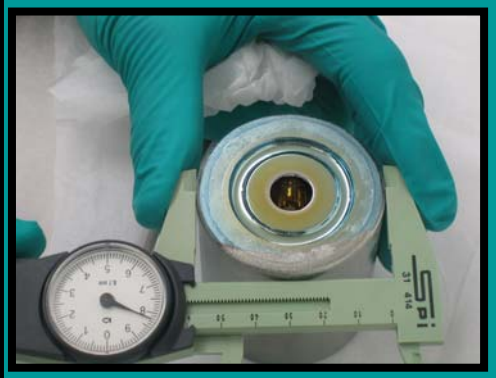
•Taking out of the detector

ANG I : Canberra type detector

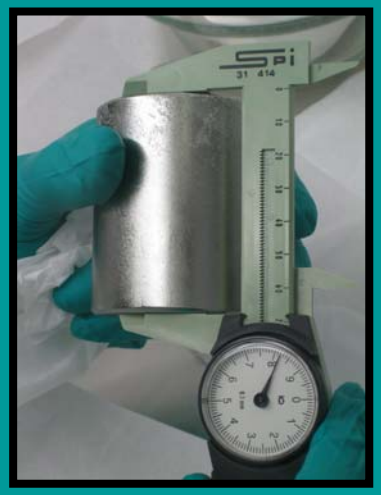
Dimension measurement of ANG I

Measurement of …

•diameters

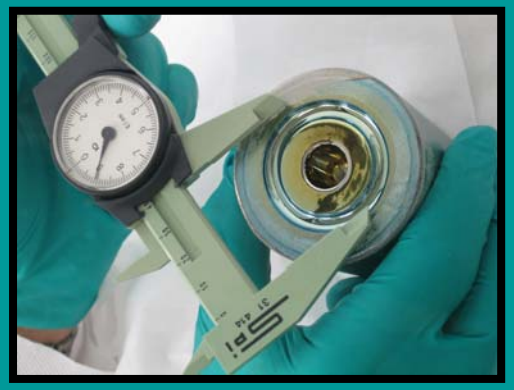


•lenght



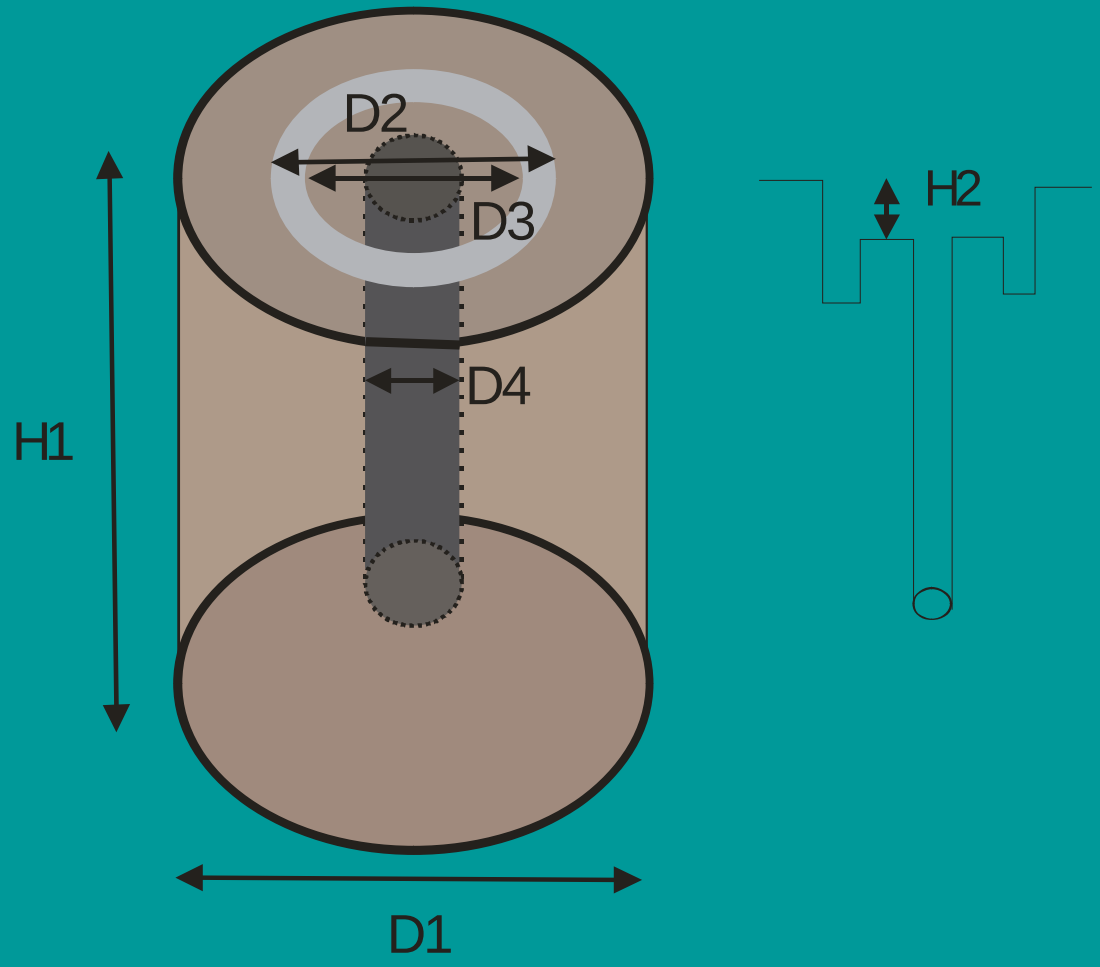
•hole

•groove



•weight

Dimension of ANG I



H1 : 68.0 mm
H2 : 3 mm

D1 (top) : 58.2 mm
D1 (bottom) : 58.3 mm

D2 : 39 mm
D3 : 29 mm
D4 : 11.5 mm

Weight : 978.7 g

Opening of RG III

•**June 1st, 2006**

•Participants : M.Barnabé Heider, O.Chkvorets, A.Smolnikov, H.Strecker, S.Vassilev, A.Vasenko.

Opening of RG III

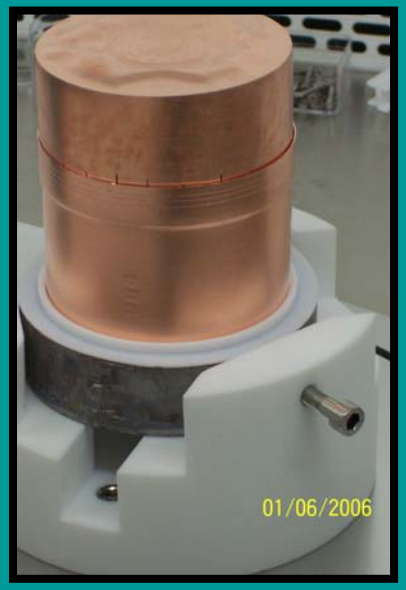
•Warming up and
N_2 ventillating

•Opening of cryostat

Opening of RG III

•Opening of 1st holder

•Opening of 2nd holder

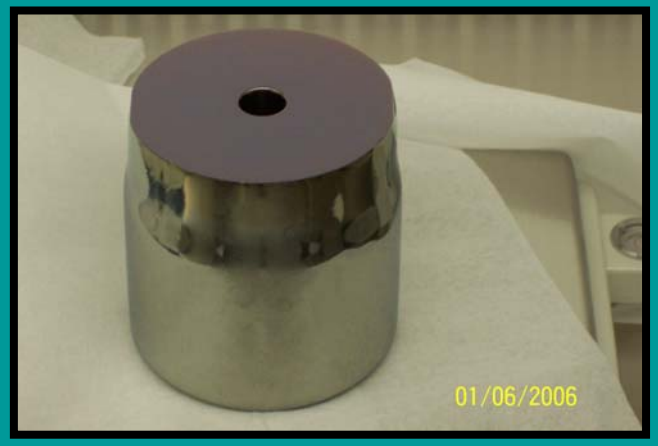


Signal contact

Dimension measurement of RG III

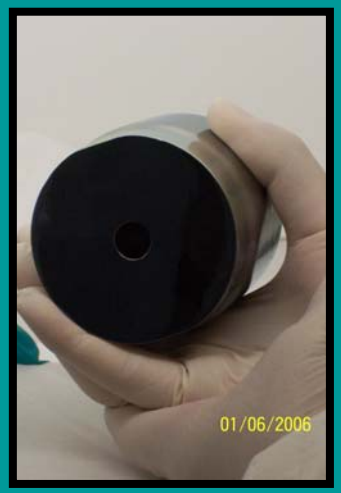
Measurement of …

•diameters



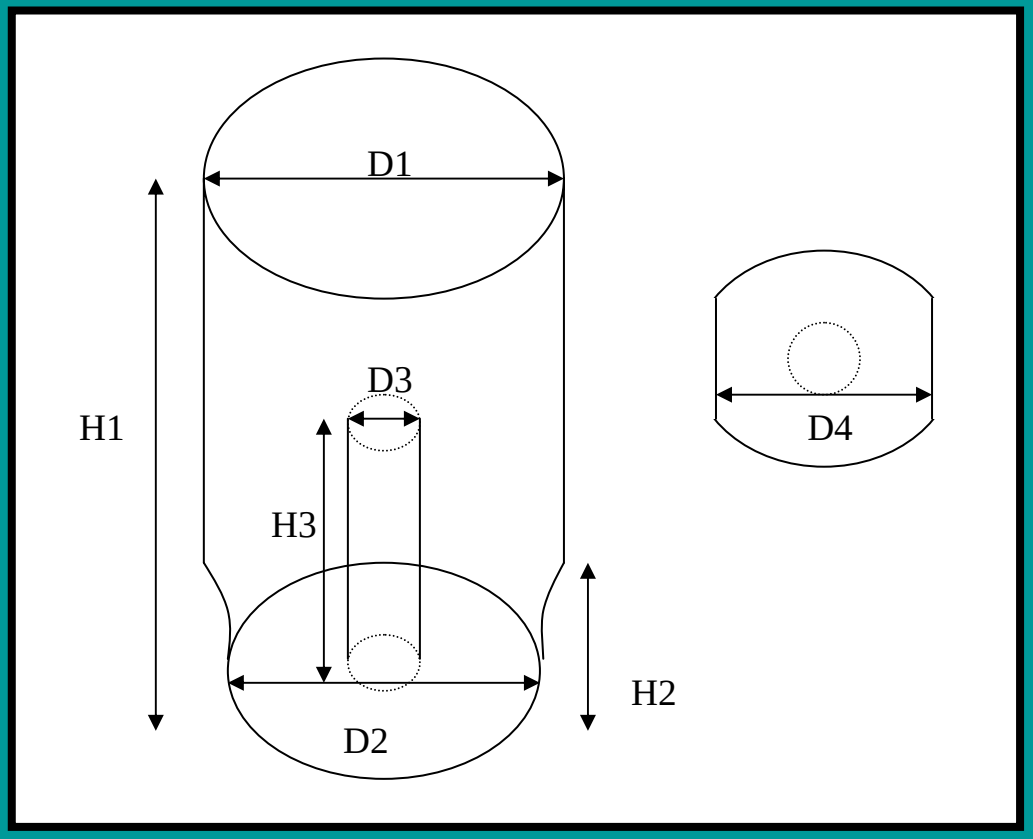
•lenght

•hole



•weight

Dimension of RG III



H1=82,55 mm
H2=24,40 mm
H3=77 mm
D1=79,75 mm
D2=74,90 mm
D3=11,9 mm
D4=73,3 mm
Weight=2120,9 g

CONCLUSION

- Detectors are under vacuum in their transportation container
- Detector support for ANG I is being built
- Spectroscopy measurements in LAr "radon free" stand of the LARGE facility planned in August

Thank you !!!