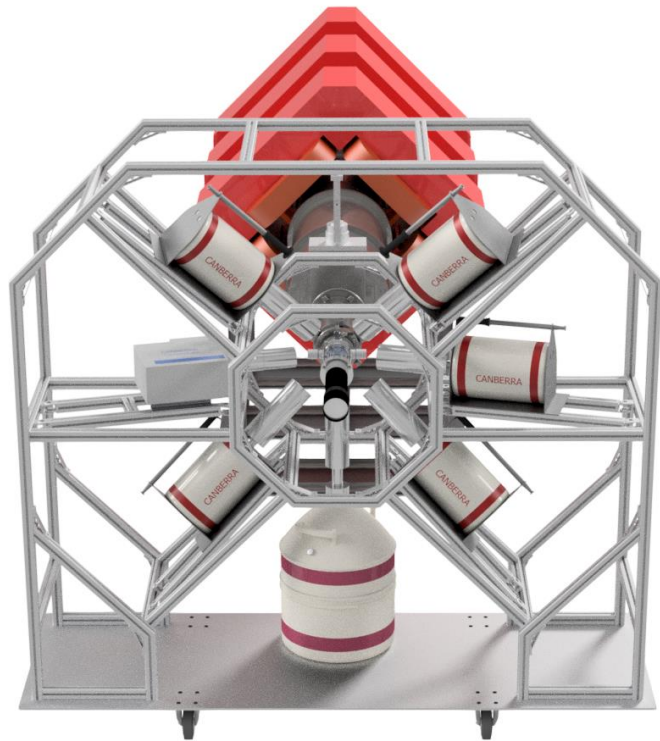


Status of the Ge detectors

Konstantin Gusev

OMC4DBD Collaboration Meeting
19 April 2021

Frame for the detectors (Egor's talk)



Where can I find so many
detectors?

PSI?

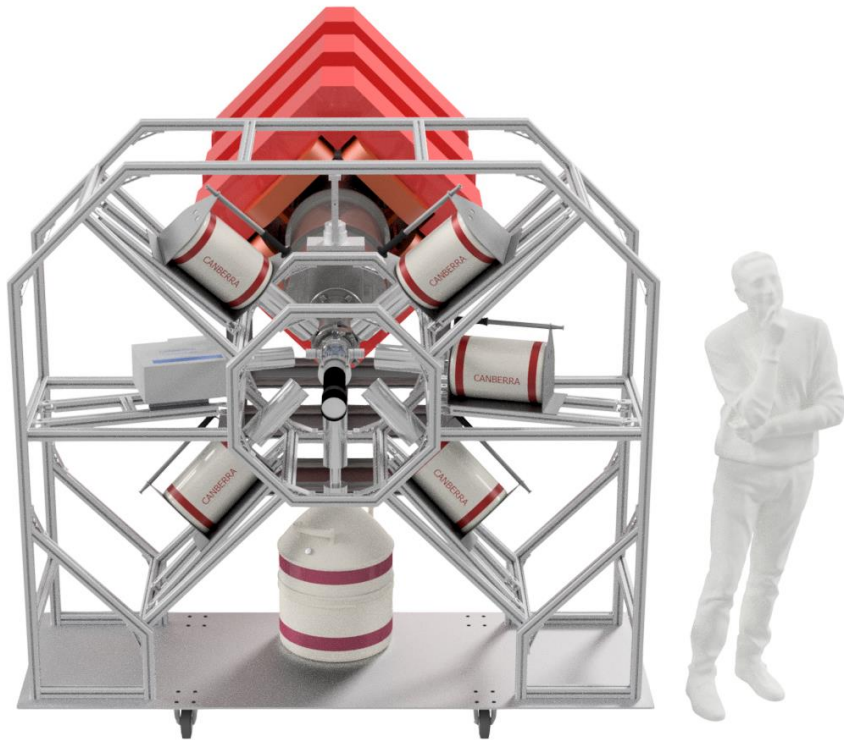
JINR?

TUM?

UZH?

YES!

Available detectors (see also Eli's talk)



Name	Detector Type	Typical Rel. Eff (%) \geq	Cryostat Type	Owner	Characterization	Remarks
GR9524	n-type coax	95	BigMAC	TUM	Done	
GR7023	n-type coax	70	BigMAC	PSI	?	
GR7023	n-type coax	70	BigMAC	PSI	?	
GC5019	p-type coax	50	BigMAC	JINR	06.2021 @TUM	
GC5019	p-type coax	50	Cryo-Pulse 5 Plus	JINR	06.2021 @TUM	
BE3830	BEGe	34	BigMAC	TUM	Not finished	high LC, repair or replace?
GeMini	n-type coax	? (small)	Dipstick	UZH	?	

Spares and/or alternatives:

- ✓ 2x BE3820 (BigMAC) available at PSI
- ✓ bare BEGe (UZH) to replace BE3830
- ✓ bare p-type coax (~ 70%) can be mounted in the dipstick cryostat (both@TUM)

Customs and logistics

JINR → TUM

- Equipment (2 Ge detectors + quite some other stuff) will be shipped as temporary import of scientific equipment under the existing JINR/TUM/MPIK agreement
 - Paper work will be done by JINR
 - Planned delivery to TUM: June 2021 (then – characterization)

TUM → PSI and back

- Need to prepare a “Carnet ATA”
 - Valid for one year, prolongable
 - Lead time for documentation: a few weeks prior shipping

Conclusion

✓ We have enough detectors for the upcoming campaign!

...but, still some work ahead