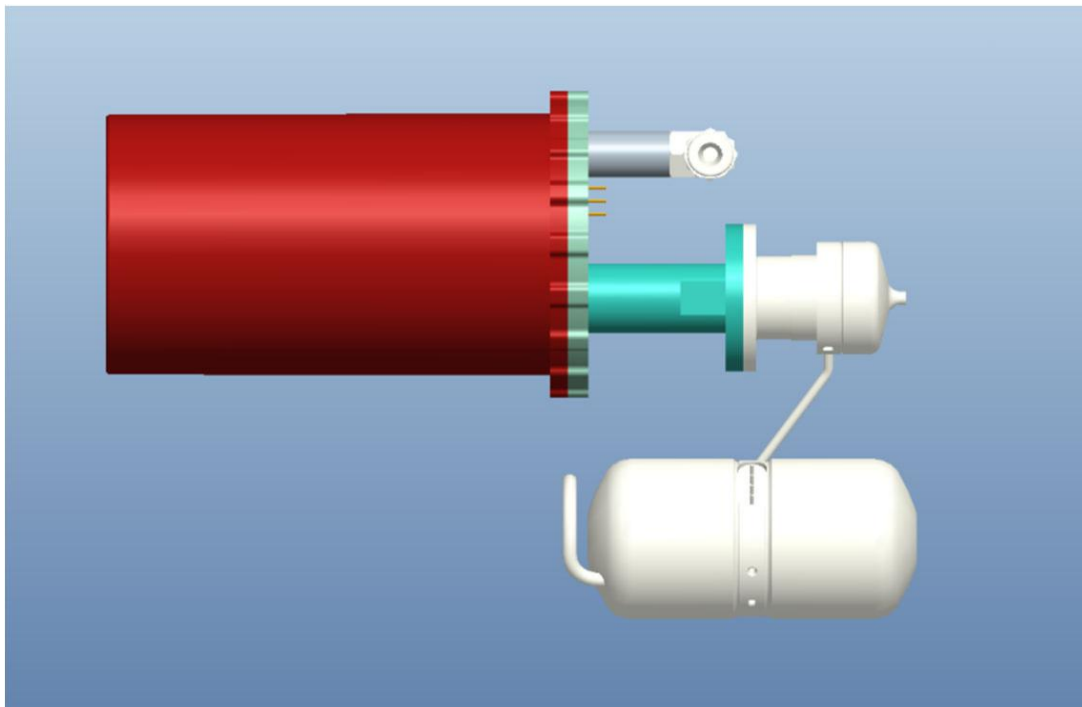


CA-NU-6003 Low Noise High Resolution P-Type HPGe Detector Module

(2024-1-20 draft)

- 1、 P-type HPGe crystal with Coaxial construction.
- 2、 HPGe crystal dimensions: 62mm~67mm diameter, 59mm~65mm thick
- 3、 Crystal encapsulation Dimensions: $\leq 90\text{mm}$ diameter, $\leq 160\text{mm}$ thick
- 4、 Crystal encapsulation and schematic diagram:
- 5、 Energy resolution: $\text{FWHM} \leq 2.2 \text{ keV}$ at 1332 keV
- 6、 Efficiency vs. $3'' \times 3'' \text{NaI}$: $\geq 42\%$



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Reference Documents