



Contribution ID: 26

Type: **Poster**

P2.75: Introduction of CRYTUR's GAGG+ single crystal scintillator for imaging applications

Wednesday, 28 June 2023 17:59 (1 minute)

Crytur is a leading Czech producer of scintillation materials. Their latest product, GAGG+, is a single crystal scintillator of exceptional optical and technological quality. The GAGG+ scintillator is commercially available from Crytur and can be customized to fit specific imaging applications. A screen can be manufactured in a thickness as low as 5 microns, ensuring sub-micrometer spatial resolution in imaging applications. The developed scintillator offers the best combination of low afterglow, fast decay time, high light yield, and resolution.

We present a thorough characterization of the optical, scintillation, and luminescence properties of the GAGG+ scintillator, as well as Crytur's production capabilities.

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Session Classification: Poster (incl. coffee)