

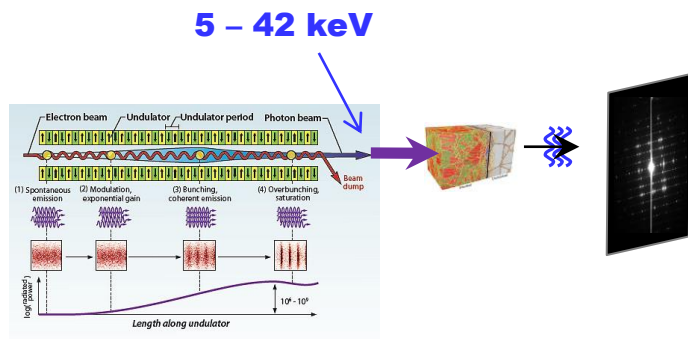
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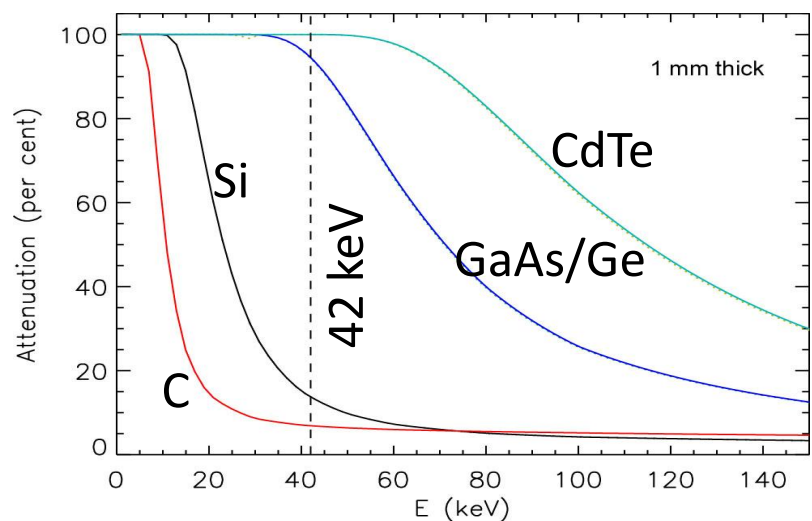
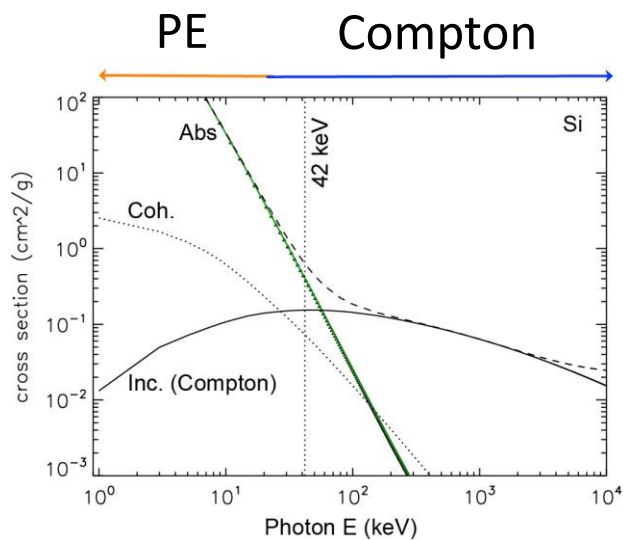
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Introduction

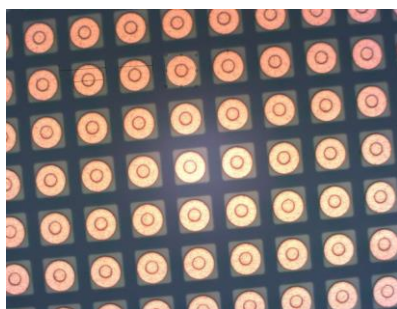


- Picosecond sensor for high-energy photons
- GHz frame rate
- Large data capability

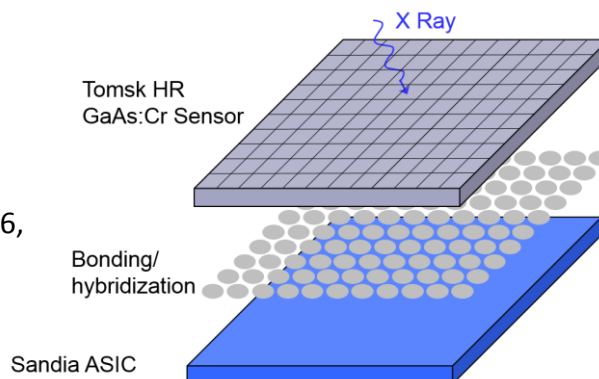
The Idea/Concept



GaAs



Pixel: 45 X 45 μm^2 , FORMAT: 256X256,
 768X512 (55 μm pitch)



10ns Blast Wave Visible Images

FURI

1.5ns, 2 Frames, 448x1024 pixels
 350nm Sandia Process

Potential Impact

Accelerator driven light sources: Synchrotron/XFEL, Fusion, Dynamic material research