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New AGIPD Detectors and Developments for the European XFEL

The Adaptive-Gain Integrating Pixel Detector (AGIPD), a megahertz frame-rate, high-dynamic range integrating pixel detector, was developed for photon science experiments at the European X-Ray Free Electron Laser (European XFEL) and tailored to its unique specifications. Two 1-Megapixel AGIPD detector systems have been installed at the European XFEL and are producing numerous scientific publications. In order to further improve the existing systems, and to provide dedicated systems for two user consortia, we have been developing the next generation of hardware. In this poster, we present the current state of development of the two new AGIPD systems, as well as improvements to the two AGIPD systems in operation at EuXFEL.

Speed talk:

I am unwilling/unable to present a speed talk

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