

## Detector developments in photon science

Spurred on by the recent and planned upgrades to storage rings such as PETRA III, NSLS II, Diamond, ESRF, APS, etc., along with the growing number of free electron lasers (FEL), there has been a burst of activity in developing new detectors for these facilities. Given the wide range of photon energies, diverse set of experimental techniques employed, and varied beams delivered by the accelerators, an expansive set of detectors with different characteristics needs to be designed and constructed. In particular the dichotomy between the time structures of rings and FELs, often necessitates the implementation of parallel detectors with similar functionality. An overview of progress in the performance of x-ray cameras for these challenging environments will be presented.

**Primary author:** KENNEY, Chris (SLAC)

**Presenter:** KENNEY, Chris (SLAC)