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Type: **Discussion trigger**

Discussion Trigger: Direct X-Ray imaging for the new pinhole diagnostics at BESSY II

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In order to improve our transverse diagnostic tools, two new pinhole beamlines will be designed. The pinhole arrays will be in air for easier maintenance: this will result in a significant loss of X-Ray photons when passing through the vacuum window. To overcome this issue, the option to directly illuminate a CCD/CMOS camera with X-Ray radiation without prior conversion into visible light is under study. This report describes our findings regarding the current status regarding the use of X-Ray cameras as a “high flux” diagnostic tool.

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