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Analysis of Silicon Carbide ultra-thin (<2um) x-ray sensors for synchrotrons beam position monitors applications

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In this work, we present a systematic theoretical and experimental investigation of the use of Silicon Carbide thin (thicknesses between 500nm and 10μm) low-doped large area (>10mm2) membranes as X-ray sensors for beam position monitoring (XBPM) applications at synchrotron light sources (SLS).

Position

Scientist

Primary authors: Dr CARULLA, Maria del Mar (PSI); Dr CAMARDA, Massimo

Co-authors: Dr NIDA, Selam (APS-ETH); TSIBIZOV, Alexander (APS-ETH); ZIEMANN, Thomas (APS-ETH); Mr MEYER, Beat (PSI); Dr FERREIRA SANCHEZ, Dario (Paul Scherrer Institut); BIRRI, Mario; BUNK, Oliver (Paul Scherrer Institut); PRADERVAND, Claude (Paul Scherrer Institut); GROLIMUND, Daniel (Paul Scherrer Institut); Prof. ULRIKE, Grossner (APS-ETH)

Presenters: Dr CARULLA, Maria del Mar (PSI); Dr CAMARDA, Massimo

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