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Hybrid semitransparent beamstops for small-angle x-ray scattering instruments

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We report a novel concept of hybrid semitransparent beamstops for small-angle xray scattering instruments, removing the need for a separate photodiode to monitor the transmitted x-ray intensity. The combination of a semitransparent aluminum core and a highly absorbing steel cover ensures minimal parasitic x-ray scattering from the beamstop itself. The modular design readily enables modification of the beamstop for different x-ray energies and fluxes.

Footnotes

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Region represented

Europe

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