

In summary, multilayers optical elements are finding wide applications in the XUV region. A programme to prepare and characterise these layers has already been started. A reflectometer station to study reflectivity of multilayers in the

wavelength range 40-1000 Å on a toroidal grating based monochromator beam line on Indus-1 is being fabricated.

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2. "Fluorescence lifetime imaging microscopy and its applications in signal transduction", S Kher, CAT.
3. "Design of an undulator beamline for circularly polarised synchrotron radiation", KJS Sawhney, CAT.
4. "Ultralong range optical fiber distributed temperature sensors", WA Gambling, City University of Hong Kong.
5. "Multilayer X-ray optics", K Yamashita, Nagoya Univ, Japan.