



Fig. 4. Diffuse scattering patterns from  $\text{SrTiO}_3$  collected at the photon energy of 15 keV ( $\lambda = 0.8266 \text{ \AA}$ ) and the sample temperature 115 K. The cuts through the reciprocal space are at  $hkl$ , where  $l = 0.5, 1.5$  and  $2.5$  in the coordinate system corresponding to  $Pm\bar{3}m$  ( $Z = 1$ ).