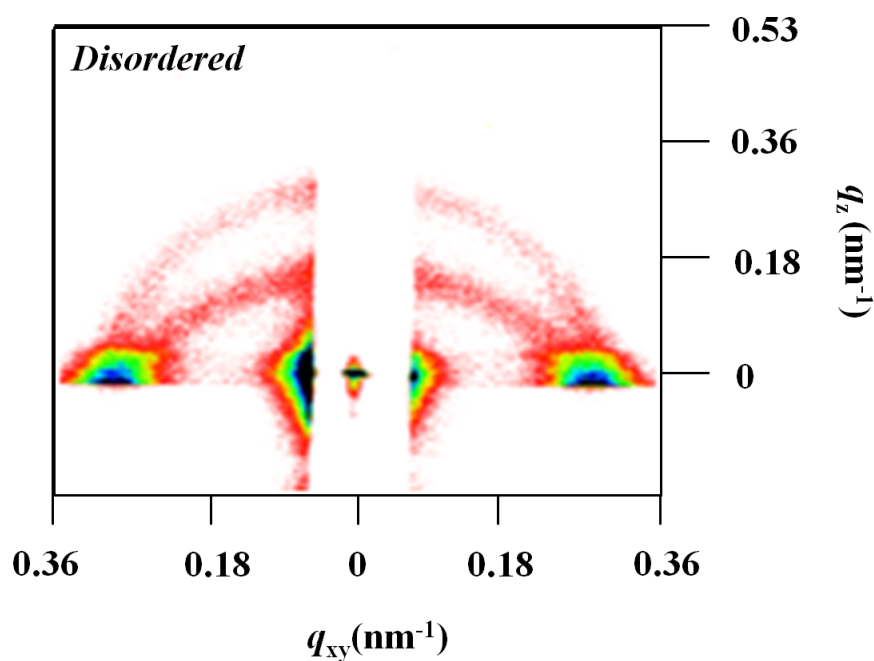


**Electronic Supplementary Information (ESI) available:**



This Fig. shows the GISAXS pattern for a disordered BCP film at elevated temperature ( $\sim 200$  °C). It exhibits two arc-shaped diffuse scattering patterns arising from a correlation hole scattering by compositional fluctuations.