

# **Probing surface dynamics with x-ray photon correlation spectroscopy: the current status**

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The current status of grazing incidence x-ray photon correlation spectroscopy (XPCS) to probe surface dynamics on short length scales is presented. The limits in terms of fluctuation times and accessible length scales will be discussed. Examples of recent experiments on polymer surfaces with a CCD camera as detector will be discussed. Although more and more new results have already been found with this technique, the results show that the success of this technique will depend strongly on future detector developments.