

Size-Dependent Ordering of Magnetic Nanoparticles in Langmuir Layers: In-situ Characterization by the Grazing Incidence X-Ray Scattering

A. Vorobiev,^{*,†,‡} A. Khassanov,^{¶,‡} V. Ukleev,^{§,†} I. Snigireva,[‡] and O. Konovalov[‡]

[†]*Department of Physics and Astronomy, Uppsala University, Box 516, 751 20, Uppsala, Sweden*

[‡]*European Synchrotron Radiation Facility, 71, Avenue des Martyrs, CS40220, 38043 Grenoble Cedex 9, France*

[¶]*Organic Materials and Devices, Friedrich-Alexander-Universität Erlangen-Nürnberg, Martensstrasse 7, 91058 Erlangen, Germany*

[§]*Petersburg Nuclear Physics Institute, Orlova Roscha, Gatchina, St.-Petersburg 188300 Russia*

E-mail: avorobiev@ill.fr

Supporting Information

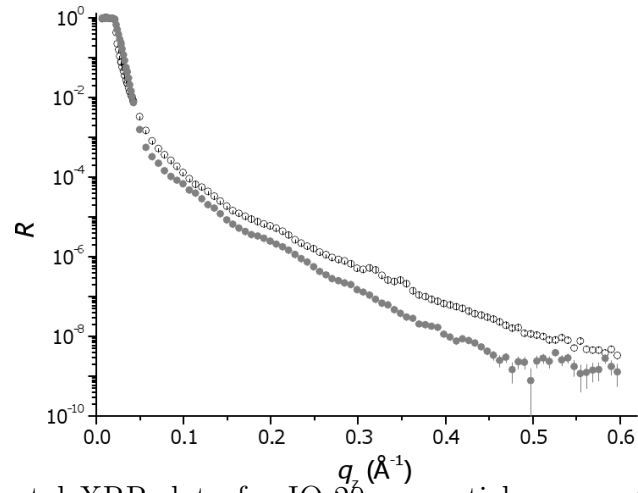


Figure 1: Experimental XRR data for IO-20nm particles on water surface obtained at 1 mN/m (open circles) and 9 mN/m (filled circles).