

SATELLITE WORKSHOP - Photon Science



X-ray magnetic dichroism at beamline P09

Thursday, 28 January 2016

Seminar Room 01, Bldg. 1

X-ray magnetic circular dichroism (XMCD) in the hard x-ray regime, has been successfully implemented at beamline P09 at Petra III during the past years. XMCD is an element- and orbital-selective tool to investigate magnetic properties in systems with net magnetization, and provides new possibilities for the investigation of (ferri)ferromagnetically or canted AFM ordered systems at P09. In this workshop, we propose to discuss the possibilities opened by this technique and identify further needs of the user community for future experiments.

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PROGRAMME

14:00	Presentation of beamline P09	Jörg Stempfer	DESY
14:20	First XMCD experiments at P09	Jose Mardegan	DESY
14:40	Recent advances in hard X-ray dichroisms	Andrei Rogalev	ID12, ESRF
15:20	<i>Coffee break</i>		
15:30	Magnetic reflectivity studies between 2.4 keV and 13.5 keV on XMaS, the UK-CRG beamline at ESRF	Laurence Bouchenoire	XMaS, ESRF
16:30	XMCD under high pressure	Larissa Veiga	DESY
17:00	User presentations and further discussion		

Update: 13 January 2016