



	Experiment title: Preliminary evaluation of small angle elastic scattering and amorphous character of Ce55Al45 metallic glass-forming alloy	Experiment number: 16-01-726
Beamline: BM16	Date of experiment: from: 09/03/2009 to: 09/04/2009	Date of report: 02/02/2011
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Report:

The aim of the proposal was to perform X-ray diffraction of metallic glass ribbons and to analyse the small angle region in order to choose the adequate sample for Inelastic X-ray Scattering (IXS) experiment HD-349 in beamline ID28, this experiment being scheduled july 2009.

Measurements were carried successfully and the results allowed us to choose the adequate composition with enough low elastic scattering at small angles. Results of Experiment HD-349 are quoted in the corresponding report.

Publications:

‘Polyamorphic transitions in Ce-based metallic glasses by synchrotron radiation’
Duarte, MJ; Bruna, P; Pineda, E; Crespo, D; Garbarino, G; Verbeni, R; Zhao, K; Wang, WH; Romero, AH; Serrano, J
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