

Experimental report

08/12/2016

Proposal: 9-10-1311

Council: 10/2012

Title: Probing depth with GiSANS and nearsurface SANS

Research area: Soft condensed matter

This proposal is a new proposal

Main proposer: Adrian R. RENNIE

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Samples: Polystyrene Latex in D2O at a SiO2 interface

Instrument	Requested days	Allocated days	From	To
D22	3	3	12/05/2015	15/05/2015

Abstract:

Understanding quantitatively grazing incidence scattering is important for the technique to be widely used to evaluate structure in interfacial layers. Model structures from well-characterised particles present a simple means to test principles. The penetration depth of evanescent waves should depend on the incident angle (strictly the difference between Q_z and the critical Q). Initial data has shown an expected dependence of the width of Lorentzian profiles for Bragg rods. The present proposal is to test this relation further by exploring different size particles.



Détails de la note de frais EC24377

Voyageur : Maja HELLSING

Objet de la visite : Experiments: 9-10-1311 (D22), 9-10-1312 (D22)

Trajet aller Date/heure 24/04/2013 00:00 Lieu de départ SWEDEN

Trajet retour Date/heure 30/04/2013 00:00 Destination SWEDEN

Commentaires : EXPERIMENT CANCELLED

Budget : 22011 (REACTOR USERS (SCO))

Note de frais à rembourser par virement bancaire

Eléments de la note de frais

Date	Type	Description	Mode de paiement	Coût	Devise	Taux de change	Quantité	Total (€)	Remboursement (€)
24/04/2013	Plane		Reimbursement	2617.00	SEK	0.12	1	312.57	312.57

Total pour cette note de frais : 312.57 €
Remboursement de cette note de frais : 312.57 €