

Experimental report

08/10/2015

Proposal: INTER-306

Council: 4/2015

Title: Internal time on D11

Research area:

This proposal is a new proposal

Main proposer: Robert CUBITT

Experimental team: Robert CUBITT

Local contacts: Robert CUBITT

Samples: Nb

Instrument	Requested days	Allocated days	From	To
D11	1	1	09/09/2015	10/09/2015

Abstract:

Expt report INTER-306

6 hours lost due to cold value blockage resulting in the destruction of the sample.

Background reflections in the collimation section the same order of magnitude as the signal.

Variable background from other instruments of the order of the signal making subtraction difficult.

Loss of flux of 2.5 compared to other sans instruments due to age of H15 meant the not enough statistics taken before sample was destroyed.

Conclusion

Experiments of this type with a very low signal requiring high flux and low background should not be done on this instrument.