

# CCLRC ISIS Experimental Proposal

RB/

**Principal Investigator** (to whom all correspondence will be addressed)

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Family Name: Madeupname Title: Dr.

User Number: UN: 1234

First Name: Eric

Status: A

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**Co-Investigators**

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Name:	User Number:	Address in full:	Status
• R. Ferdinand, S. Vicious	UN: 4321, 5678	• Clarendon, Oxford	• S
• I. Scientist	UN: 1	• ISIS	• F
• L. Landau	UN: -	• Moscow	• A

**Experiment Title: Magnetic order in tea**

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**Instrument: MuSR**

Days Requested: 4

Is this a new proposal?  A resubmission?  A continuation?\*  Previous RB No: 14373

\* A continuation can only be considered if an Experimental report from the previous experiment has been received

**Proposed Access Route:** Direct:  Programme:  Continuation of Approved Programme:   
Rapid:  Service: **Science Programme Area:** Physics:  Chemistry:  Materials:  Biology and Bio-materials:   
Environment:  Medicine:  Engineering:  Technique Development: 

If this proposal is part of a sponsored research programme please provide the following information:

EPSRC  BBSRC  NERC  Other Sponsors 

Grant Title:

Grant Number: Start Date: End Date:

**ISIS International Partner**

Country

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**European Union sponsored Access:**For researchers working in EU Member States or Associated States **other than the UK:**Please tick box if you wish to apply under this programme: **Declaration:**

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• I confirm that, if allocated beamtime, trained manpower capable of running the experiment on a 24 hour basis will be available and that the researchers will observe the appropriate regulations, especially on safety, of CCLRC.

• I certify that the information on the sample and the safety aspects are correct and complete.

• I agree that the information given on this form may be stored on a computer database in accordance with paragraph 3.1 in the guidelines.

**Signature:** Eric Madeupname**Date:** 13/10/2003For electronic submission **tick the box** and type your name above. Version 2/03b L<sup>A</sup>T<sub>E</sub>X

**PRINCIPAL INVESTIGATOR**

Name: E. Madeupname

Experiment Title: Magnetic order in tea

**INSTRUMENT**

Instrument: MuSR

Number of days requested: 4

Preferred local contact: I. Scientist

Special requirements of Instrument:

Have you discussed the proposal with your local contact?

Yes  No **SAMPLE ENVIRONMENT**

Standard Sample Environment equipment (supplied by ISIS):

Helium Cryostat  CCR  Cryofurnace  sub- 1 K cryostat   $\omega$ CCR or centre stick Furnace  Gas handling  High Pressure  1.5 Tesla magnet  7.5 Tesla cryomagnet Temperature range: 2-300 Pressure: Magnetic-field strength: 0-2.4 kG Water Bath 

Details of any special equipment required or supplied by User:

**Must be discussed in advance with Ian Bailey**, I.F.Bailey@rl.ac.uk**SAMPLE**

Sample Material (include all components): Tea

Solid  Friable Powder  Single Crystal  Liquid  Gas Chemical Formula (including isotopes): Volume (mm<sup>3</sup>): Weight (gm):**Are any special storage requirements needed?** Yes  No  Please specify:

Description of sample holder or substrate:

For crystallography experiments: a= b= c= } at T = K

Space Group:  $\alpha=$   $\beta=$   $\gamma=$ **SAFETY****What are the hazards associated with the sample?** Toxic  Corrosive  Flammable Explosive  Radioactive  Biological  Other  (give details) Not Hazardous Is the sample sensitive to air  or water vapour  ?

Other hazards of: a) the experiment:

b) Sample preparation at RAL:

c) Ancillary equipment:

Is use of the sample preparation laboratories required? Yes  No 

Special equipment requirements (eg dry box/inert gas glove box/vacuum oven):

**Must be discussed in advance with Matthew Dickson**, M.J.Dickson@rl.ac.uk

ISIS samples may become radioactive for a few days or longer. After the experiment the sample will be:

Removed by the user  Returned to the user by RAL (when inactive)  Disposed of by RAL **Application should be sent:**by **e-mail** to [ISISPROPOSALS@r1.ac.uk](mailto:ISISPROPOSALS@r1.ac.uk) (remember to choose a file name which uniquely identifies your proposal) orby **post** to the ISIS User office, Rutherford Appleton Laboratory, Chilton, Didcot, Oxon OX11 0QX, UK**Phone** (+44) 1235 445592**Fax** (+44) 1235 445103Other enquiries to [ISISU0@r1.ac.uk](mailto:ISISU0@r1.ac.uk)**Web site:** <http://www.isis.rl.ac.uk>

Checked: Email/Post/Fax Email/Post/Fax RB/

## PROPOSED EXPERIMENT

**Name:** E. Madeupname

**Experiment Title:** Magnetic order in tea

**Abstract:** a brief summary of the proposal, set into the context of your broader research programme, including key objectives.

Description of how this proposal fits into your reasearch program, etc.

### **Experiment Description:**

There is currently intense research interest in tea. etc, etc to fill up the page.

We are also in possession of suitable quantities of tea to do the experiment [1]. Blah blah.

## PROPOSED EXPERIMENT

We request 4 days of beamtime on MuSR using a helium cryostat to ...

### References

[1] A. Citation, *Phys. Rev. Lett.* **101**, 111 (2001).

List publications arising from recent ISIS experiments:

S. J. Blundell *et al.* *Phys. Rev. B* **67**, 224411, (2003); M. A. Hayward *et al.* *Science* **295**, 1882, (2002); etc etc

Has this or a similar proposal been submitted to another facility recently? Yes  No

If yes, please give details:

This form must be submitted together with the proposal.  
 Later submissions are only acceptable in exceptional circumstances

# CCLRC ISIS Consumables Request

(for UK Applicants only)

RB/
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**Experiment Title:** Magnetic order in tea

**Principal Investigator:** Dr. Eric Madeupname

**Instrument:** MuSR      **Days Requested:** 4      **Days Awarded:**

**Total request for consumables: £21      Approved: £**

Requests up to £1000 must be accompanied by a detailed list of the consumables and individual cost estimates (see below). In the special case of a request up to £3000 the list of consumables and detailed cost estimates must be accompanied by a written case of not more than 1 page explaining the exceptional nature of the request.

	PI REQUEST ITEM	COST	COMMENT
A	Teapot	£20	Sample storage vessel
B	Sugar	£1	Catalyst
C		£	
D		£	
E		£	
F		£	
	Total Request	£21	

## ISIS RECOMMENDATION

	PI REQUEST ITEM	COST	COMMENT
A		£	
B		£	
C		£	
D		£	
E		£	
F		£	
	Total Recommendation	£	

**Reviewed:** \_\_\_\_\_ **Approved:** \_\_\_\_\_

**Name:** \_\_\_\_\_ **Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_ **Date:** \_\_\_\_\_