

## C.2 Current UK PhD Students

<b>Name</b>	<b>Institute</b>	<b>Thesis title</b>	<b>Expected completion date</b>
<b>S. Robins</b>	Bristol	<i>Measurement of <math>D^*</math> production in deep inelastic scattering and determination <math>F_2^c</math> using the ZEUS detector at HERA</i>	September 2003
<b>T. Namsoo</b>	Bristol	<i>Further studies of jet aximuthal asymmetries in ep scattering at HERA</i>	September 2004
<b>S. Boogert</b>	Oxford	<i>Strangeness in High <math>E_T</math> photoproduction</i>	July 2002
<b>M. Rigby</b>	Oxford	<i>High <math>Q^2</math> Charged Current &amp; final states</i>	Easter 2003
<b>J. Ferrando</b>	Oxford	<i>W production and high <math>P_T</math> leptons at HERA</i>	December 2003
<b>S. Patel</b>	Oxford	<i>High <math>Q^2</math> final states exploiting the MVD</i>	December 2004
<b>M. Lightwood</b>	UCL	<i>Charm production in ep scattering at HERA</i>	September 2003
<b>J.Loizides</b>	UCL	<i>Beauty production in ep scattering at HERA</i>	September 2004
<b>C.Gwenlan</b>	UCL	<i>Multijet Production at HERA</i>	September 2002
<b>R. Goncalo</b>	IC	<i>Measurement of the high-<math>Q^2</math> neutral current cross section in <math>e^+p</math> scattering at HERA</i>	Summer 2002
<b>C. Collins-Tooth</b>	IC	<i>Measurement of the dependence of charged current deep inelastic scattering on lepton beam polarisation</i>	October 2003
<b>M. Bell</b>	Glasgow	<i>Production of prompt photons in deep inelastic scattering at HERA</i>	September 2002
<b>S. Hanlon</b>	Glasgow	<i>Extended study of event shapes in deep inelastic scattering at HERA</i>	September 2003
<b>J. Hamilton</b>	Glasgow	<i>Further study of prompt photons at HERA</i>	September 2004

## **D The ZEUS UK collaboration**

### **Bristol University**

D. Bailey, N. Brook, J. Cole, B. Foster, G. Heath, S. Robins<sup>1</sup>, E. Rodrigues<sup>1</sup>, J. Scott<sup>1</sup>, R.J. Tapper, M. Wing

### **Glasgow University**

M. Bell<sup>1</sup>, P.J. Bussey, A.T. Doyle, C. Glasman, J. Hamilton<sup>1</sup>, S. Hanlon<sup>1</sup>, A. Lupi, D.H. Saxon, I.O. Skillicorn

### **Imperial College London**

C. Collins-Tooth<sup>1</sup>, C. Foudas, F. Metlica, R. Goncalo<sup>1</sup>, K. Long, A. Tapper

### **Oxford University**

S. Boogert<sup>1</sup>, A.M.Cooper-Sarkar, R. Devenish, J. Ferrando<sup>1</sup>, G. Grzelak, M. Rigby, M. Sutton, R. Walczak

### **Rutherford Appleton Laboratory**

C. Cormack, JC Hart

### **University College London**

J. Butterworth, C. Gwenlan<sup>1</sup>, T. Jones, R. Hall-Wilton, M. Lightwood<sup>1</sup>, J. Loizides<sup>1</sup>, C. Targett-Adams<sup>1</sup>

We are grateful to the engineers and support staff at the ZEUS UK institutes who have provided invaluable help. For help over the past two years we would particularly like to acknowledge:

### **Bristol University**

J.P. Melot

### **Glasgow University**

A.J. Flavell

### **Imperial College London**

G. Barber, D. Clarke, I. Clarke, S. Greenwood, A.K. Jamdagni, V. Kasey, M. Khaleeq, P. Savage, L. Toudup

### **Rutherford Appleton Laboratory**

I. Church, M.D. Gibson, R. Hatley, R. Matson, M.C. Morrissey

### **Oxford University**

M. Dawson, P.D. Gronbeck, T. Handford, G. Harris, J. Hill, I. McArthur, B. Payne, P. Shield, S. Topp-Jorgenson

### **University College London**

J. Fraser, G. Nixon, M. Postranecky, M.R.M. Warren



## E Staff Allocations

The table shows the planned strength of ZEUS in %FTE for each year (Oct-Sept.). It is assumed that academic staff teaching and administrative duties occupy 40-50% of their time.

Name	02/03	03/04	04/05	05/06
<b><u>Bristol:</u></b>				
<i>D. Bailey</i>	30	20	10	—
N.H.Brook	30	20	20	20
<i>J Cole</i>	100	100	100	100
B. Foster	55	40	40	40
G Heath	10	10	10	—
<i>M. Wing</i>	40	—	—	—
<b><u>Glasgow:</u></b>				
P.J. Bussey	20	20	20	20
A.T. Doyle	10	10	30	30
D.H. Saxon	25	25	25	20
I.O. Skillicorn	30	30	30	20
<i>C. Glasman</i>	100	100	100	100
<i>A. Lupi</i>	100	100	100	100
<b><u>Imperial:</u></b>				
C. Foudas	15	15	15	10
K. Long	45	35	30	30
<i>F. Metlica (to Sep. 02)</i>	100	0	0	0
<i>A. Tapper</i>	100	100	70	60
<b><u>Oxford:</u></b>				
A.M. Cooper Sarkar	60	60	40	30
R.C.E. Devenish	50	40	30	20
R. Walczak	40	40	30	30
<i>G. Grzelak</i>	50	50	50	50
<i>M. Sutton</i>	100	50	50	50
<i>C. Gwenlan (from Oct. 02)</i>	100	100	—	—
<b><u>RAL:</u></b>				
<i>C. Cormack (to April 02)</i>	100	0	0	0
J. Hart	60	20	20	20
<b><u>UCL:</u></b>				
J.M. Butterworth	40	30	30	10
T.W. Jones	30	30	30	30
<i>R.Hall-Wilton</i>	100	100	100	100

Posts in italics are Research Associates.

## **F Computing Requirements**

ZEUS-UK represents 13% of the total non-student effort on ZEUS and currently generates 11.5% of the total Monte Carlo production for the experiment, of which 8% is run on the central Linux farm at RAL. We anticipate an increase in demand by a factor  $\sim 2$  for Monte Carlo production as a result of the upgrade. It is possible that there will also be some demand on the RAL Unix system for use in ZEUS physics analysis.

This leads to estimated requirements of 150 SpecInt95 CPU under Linux and an average network bandwidth to DESY of 0.3 Mbit/sec. Disk requirements are minimal since disks will be used for intermediate storage.

## G ZEUS organisation



