

**Curriculum Vitae (last Update March 15, 2008)**

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**Hugh Elliot Montgomery**

Born 21st March 1948 in Middleham, Yorkshire, England  
Civil Status: Married  
Wife: Barbara Jean Montgomery  
Children: Brian E. Montgomery (1974), Richard Montgomery (1977)  
Citizenship: British  
US Status: Resident Alien

**2002- Pres Associate Director for Research, Fermilab.**

1999-2002 Head, PPD/D0 Experiment Department  
1999-2001 Assoc. Project Manager for D0 Upgrade Project

**1995-Pres Scientist III, Fermilab**

***1993-1999 Co-Spokesman of D0 Experiment.***

1992-1993 Deputy Head, D0 Dept., Res. Div., Fermilab.  
1991-1993 Grp Ldr Beta Group, D0 Dept., Res. Div., Fermilab.  
1990-1993 Co-Leader of D0 Upgrade  
1990-2003 Member of D0 Collaboration

1989-1991 Deputy Head of Research Division, Fermilab.

***1987-1989 Spokesman, Experiment E665, Fermilab.***

**1987-1995 Scientist II, Fermilab.**

**1985-1987 Scientist I, Fermilab.**

1984-1987 Head, Computing Dept., Fermilab.  
1984 Assoc. Head, Research Services Dept., Fermilab.  
1983-93 Member of Experiment E665 at Fermilab

**1983-1985 Associate Scientist, Fermilab.**

***1982-1983 Coordinator of EMC.  
a) Spokesman, b) Contactman for NA2, NA9, NA28.***

**1978-1983 Staff Member, CERN.**

1973-1983 European Muon Collaboration (EMC)  
1975-1977 Member of CHM group CERN ISR exp.R207

CERN, Utrecht, Lancaster, Manchester

1972-1974 Member of PEP (pion electro-production) Group  
DNPL, Frascati, Pisa

**1972-1978 SRC Research Associate Daresbury Nuclear Physics Laboratory/ Rutherford High Energy Laboratory.**

### **Graduate Education**

**1972 Ph.D. : Virtual photoproduction of piminus Delta(++) off protons.**

1970 Diploma in advanced Studies in Science (distinction).

1969-1972 Dept. of physics, Faculty of Science, Manchester University, England.  
Dr. B. Dickinson as supervisor: Manchester-Lancaster experiment at the 5 Gev Electron Synchrotron, NINA at Daresbury on a program of coincidence inelastic electron scattering: R.D.Hellings, J.Allison, A.B.Clegg, F.Foster, G.Hughes, P.Kummer, E.Evangelides, R.Siddle, B.Dickinson, M.Ibbotson, R.Lawson, R.Meaburn, W.J.Shuttleworth, A.Sofair

### **Undergraduate Education**

1969 B.Sc. Hons 1st class

1966-1969 Dept. of Physics, Faculty of Science, Manchester University, England

1959-1966 Yorebridge Grammar School, Askrigg, Leyburn, Yorkshire, England.

## Montgomery Invited Talks at International Conferences. (Last Update March 15, 2008)

H.E.Montgomery; The EMC Muon Scattering Experiment  
Int. School of Elementary Particle Physics, Kupari/Dubrovnik 1979.

H.E.Montgomery; Experiments with polarized lepton beam  
and polarized target, Int. School of Elementary Particle Physics,  
Kupari/Dubrovnik 1979.

H.E.Montgomery; Results on deep inelastic scattering, Symp. on  
Topical Questions in QCD, Copenhagen, Denmark, Jun 9-13, 1980  
Physica Scripta 23 (1981) 922.

H.E.Montgomery; Results from CERN Muon scattering  
Experiments, Topical Conf. of SLAC Summer School, ed. A. Moshe(1980)

H.E.Montgomery; Recent results from high energy muon scattering. Neutrino 81, Int.  
Conf. on Neutrino Physics and Astrophysics, Hawaii 1981, ed. R.J.Cence, E.Ma,  
A.Roberts.

H.E.Montgomery; Hadronic final states in muon interactions.  
1981 Int. Symp. on Lepton and Photon Interactions at High Energies,  
Bonn 1981 ed. W. Pfeil

H.E.Montgomery; Deep inelastic scattering and Jets. Lectures presented at the 1982  
Arctic School of Physics "Gauge Theories of the Eighties", Springer-Verlag ed.  
R. Raitio, J. Lindfors.

H.E.Montgomery; Jets: A Comparison of Data from different reactions. Presented at the  
Europhysics Study Conference: Jet structure from quark and lepton Interactions. Erice,  
Sicily, 1982.

H.E.Montgomery, Hadron Production in Deep Inelastic Scattering, Workshop on SPS  
Fixed Target Physics, 1982.

H.E.Montgomery; Deep Inelastic Muon Hadron Interactions Particles and Fields-1982.  
AIP Conference Proceedings 98, Ed. W.E.Caswell, G.A.Snow.

H.E.Montgomery; Nuclear effects in muon scattering. Conference on Intersections of  
Nuclear Particle Physics, Steamboat Springs, 1984. AIP Conference Proceedings  
123, Ed. R.E.Mischke.

H.E.Montgomery; Electron and Muon Physics Sessions: Summary. Conference on  
Intersections of Nuclear and Particle Physics, Rockport, 1988. AIP Conference  
Proceedings 176, Ed. G.M.Bunce.

H.E.Montgomery, Parton Distributions from Deep Inelastic Scattering, Fermilab Academic  
Training Lectures, 1989. Fermilab, 1990.

H.E. Montgomery, Recent Results from the E665 Muon Scattering Experiment at Fermilab, Presented at the Topical Conference of the SLAC Summer Institute, SLAC, August 1991.

H.E. Montgomery, Some Recent Experimental Results from Fermilab, Lecture given at the International School of Sub-nuclear Physics, Erice, Trapani, Sicily, Italy, July, 1993. Fermilab-Conf-94/054.

H.E. Montgomery, The Top Quark and More: Highlights of Physics from D0, Fermilab-Conf-96/xxx-E, Presented at the XVI Encontro Nacional de Fisica de Particulas e Campos, Caxambu, MG, Brazil, October, 1995.

H.E. Montgomery, Overview of results from the Fermilab fixed target and collider experiments. DIS 97, International Symposium on Deep Inelastic Scattering.

H. E. Montgomery, The Physics of Jets, Lectures presented at the Gif School, Marseille, France, 1998

H.E. Montgomery, Recent Results from the Tevatron Collider: Lectures presented at the Gif School, Marseille, France, 1998

H. E. Montgomery, Physics at the Main Injector: Particles and Fields-1998.

H. E. Montgomery, Recent Results and Perspectives at CDF and D0. Cargese School, 1999, Cargese, Corsica, France.

Hugh E. Montgomery, XXXVIII<sup>e</sup> Rencontres de Moriond: Electroweak 2002 Conference Summary.

H. E. Montgomery, Looking to the Future: A Fermilab Viewpoint, Workshop on the High Intensity Frontier, Elba, 2005.

## H.E. Montgomery: Professional Committee Membership

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1985-1989	Hepnet Technical Co-ordinating Committee, Convenor.
1986-1988	Fermilab Users Executive Committee
1987-1988	High Energy Physics Computer Networking Committee, DOE/ER-0372, 1988.
1987-1994	
1999-2005	Fermilab Scientific Advisory Group
1988	Session Organiser, American Institute of Physics Conference, Storrs, Connecticut.
1989	Fermilab Computing Program Management Group ( Chairman)
1989-1991	Fermilab Accelerator Program Management Group.
1989-1990	HEPAP SUBPANEL ON THE U.S. HIGH ENERGY PHYSICS RESEARCH PROGRAM FOR THE 1990'S, APRIL 1990. DOE/ER-0453P.
1991-1992	HEPAP SUBPANEL ON THE U.S. PROGRAM OF HIGH ENERGY PHYSICS RESEARCH.
1991-1993	Texas National Research Laboratory Commission, Review Panel Member.
1989-1992	Fermilab Collider Program Management Group.
1992-1994	Organizing Committee of Intersections '94
1992-94	Member of the Lawrence Berkeley Laboratory Director's Review of the Physics Division.
1993-94	Consultant on DOE Annual Program Review of SLAC.
1994-97	Member of the Large Hadron Collider Committee, CERN.
1995-98	Member of the Committee on Experimental Particle Physics under the Board on Physics and Astronomy of the National Academy of Sciences.
1995-96	Member of the Bardeen, TeV33 Committee, Fermilab.
1995-96	Member of the Snowmass '96 Organizing Committee.
1998-2001	Member & Chairman of SLAC EPAC
2003-2004	Chair, Fermilab Long Range Planning Committee
1999-2006	Member of Evaluation Committee of Istituto Nazionale di Fisica Nucleare.
2000-2005	Chair of Evaluation Committee of Istituto Nazionale di Fisica Nucleare.
2002-2006	Member of Scientific Policy Committee, SLAC
2003-	Chairman of Atlas Oversight Committee, PPARC, UK
2004	Chairman of Elementary Particle Physics review, Helmholtz Society, Germany
2004	Member of APS Panofsky Prize Committee
2007	Member of FOM Review of NIKHEF, Holland
2008	Member of Review of Department of High Energy Physics of Tata Institute for Fundamental Research, Mumbai, India