

Curriculum Vitae
Hugh Elliot Montgomery
(Updated March 15, 2008)

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
U.S. Status: Resident Alien

Experience

- 2002** Pres Associate Director for Research, Fermilab
- 1999-2002** Head, PPD/D0 Experiment Department
- 1999-2001** Assoc. Project Manager for D0 Upgrade Project
- 1995-Present** Scientist III, Fermilab
- 1993-1999** Co-Spokesman of D0 Experiment
- 1992-1993** Deputy Head, D0 Dept., Res. Div., Fermilab
- 1991-1993** Group Leader 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

Invited Talks at International Conferences

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^e 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.

Professional Committee Membership

1985-1989 - Hepnet Technical Coordinating 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. 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.