

CURRICULUM VITAE

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P.J.G. Mulders

Nikhef Theory Group/Department of Physics and Astronomy
Vrije Universiteit, De Boelelaan 1081
NL-1081 HV Amsterdam, the Netherlands
tel: +31 20 598 7863 (secre 7890) or +31 20 592 5096
email: p.j.g.mulders@vu.nl

Personal data

name: Mulders, Petrus Johannes Gerardus (Piet)
born: September 22, 1953 in Venray, the Netherlands
nationality: Dutch

Education

1965 - 1971 'Gymnasium B', Venray, the Netherlands.
1971 - 1976 Physics study at the University of Nijmegen, the Netherlands
(specialization: Theoretical High Energy Physics).
'Kandidaatsexamen': March 14, 1974 (cum laude)
'Doctoraalexamen': April 8, 1976 (cum laude)
1976 - 1980 Ph.D. at the University of Nijmegen.
Thesis defence: May 2, 1980
Thesis title: "Multiquark States in the Bag Model"
Supervisor: J.J. de Swart

Work experience

1974 - 1976 Student Teaching Assistantships at the University of Nijmegen.
1976 - 1980 Ph. D. position (FOM) at the University of Nijmegen.
1980 - 1982 Research Associate in the Theory Division (T-5),
Los Alamos National Laboratory, Los Alamos, New Mexico, U.S.A.
1982 - 1984 Research Associate in the Center for Theoretical Physics,
Massachusetts Institute of Technology, Cambridge, Massachusetts, U.S.A.
1984 - 1997 Research Staff Member in the Theory Division,
National Institute for Nuclear Physics and High Energy Physics,
(NIKHEF/FOM), Amsterdam, the Netherlands
1990 - 1995 Professor (Extraordinarius) in Theoretical Intermediate Energy Physics,
Vrije Universiteit, Amsterdam.
Since 1995 Professor in Theoretical Physics (full-time since 1998),
Vrije Universiteit, Amsterdam.

Research Field

Research activities are in area of Theoretical Elementary Particle Physics with focus on the theory of the strong interactions (Quantum Chromodynamics, QCD). In the field of hadron physics research topics included multiquark hadrons, chiral quark models and Skyrme models as well as effects of the nuclear environment on hadron properties. In the area of high energy scattering processes the emphasis was on spin physics and the role of transverse momenta of quarks and gluons in hadrons, looking for ways to access correlations between momenta and spins in dedicated electroweak and strong scattering processes at medium- and high-energy accelerator facilities around the world.

Professional activities related to research

- Participant in NuPECC (Nuclear Physics European Collaboration Committee) working groups on 'Future of Nuclear Physics in Europe'; early 1990s.
- Referee for various journals (a.o. Nuclear Physics A and B, Physical Review C and D, Physical Review Letters, Physics Letters B, Few Body Physics, European Physics Journal C, Journal of Physics G, Journal for High Energy Physics).
- Scientific Advisory Committee European Physics Journal (2007-2014)
- Associate editor of Nuclear Physics A.
- Involved as speaker, organizer, advisor and convener in a large number of internal workshops and conferences.
- Member of the American Physical Society (APS), elected Fellow of the APS in 2011.
- Member of European Physical Society (EPS)
- Member of Dutch Physical Society (NNV). Member of board NNV (2000-2006); secretary in board of NNV (2006-2012).
- Involved as participant in several EU Networking activities since 1996 (see under projects and grants)
- Working group leader of FOM working group FOM-V-01.
- Programme leader of FOM programme FP31 (Fundamental Interactions); 2002-2008.
- Chairman of FOM network Theoretical High Energy Physics; 2002-2008.
- Member of various selection committees; chairman of the NWO Rubicon Committee 2008; Panel member and expert referee for European Research Council (since 2014).
- Advisory board of the Kernfysisch Versneller Instituut (KVI), Groningen (1998-2003); Scientific Advisory Committee of KVI, Groningen (2007-2013)
- Dutch Liaison Commission Representative for International Union of Pure and Applied Physics (IUPAP), 2006-2012.
- Program Advisory Committee of Jefferson National Laboratory (TJNAF), Newport News, Virginia, U.S.A. (2009-2012).
- Member (and chair from 2015-2017) of Scientific Board of the European Centre for Theoretical Studies in Nuclear Physics and Related Areas (ECT*, Trento), 2012 - 2017
- Receptient of an ERC Advanced Grant in 2012.

Professional activities related to education, outreach and management

- Lecturer for several courses at VU in Bachelor and Master programmes in Physics as well as in the joint UvA/VU programme.
- Lecturer in the HOVO programme ('Hoger Onderwijs voor Ouderen')
- Chief editor of the "Nederlands Tijdschrift voor Natuurkunde" (Journal of the Dutch Physical Society); 1998-2000.
- Lecturer, co-organiser or advisor of international summerschools, as well as many smaller topical meetings.
- Member of Board of Studies of Dutch Research Schools in Subatomic Physics and Theoretical Physics (Chairman from 2005-2011).

- Chairman of the Board of Studies of the Department of Physics and Astronomy at the VU in Amsterdam (1998-2002) and of the Board of Studies of the joint Master Programmes in Physics and Astronomy at VU/UvA (2014-2017).
- Chairman of the Department of Physics and Astronomy of the Faculty of Sciences at the Vrije Universiteit (2002-2006).
- Participant and organizer of public lectures, outreach activities (e.g. Its academy at VU for high schools, Techniektoernooi for elementary schools at national level)
- Panel member for European Research Committee (ERC) Starting Grants and Evaluation committees (since 2014)

SCIENTIFIC PUBLICATIONS

Details and downloads can be obtained from the webpages <http://inspirehep.net/author/profile/P.J.Mulders.1> and <http://inspirehep.net/search?p=exactauthor%3AP.J.Mulders.1&sf=earliestdate>. The h-index according to Spire is 50.