Curriculum Vitae

Peter Braun-Munzinger
GSI, Darmstadt, Germany
March 10, 2020

- Born 26 August 1946 in Heidelberg, Germany

- Education:
  Diplom (Physik) Universität Heidelberg, 1970
  Doctoral degree (Physics), summa cum laude, Universität Heidelberg, 1972

- Professional Experience:
  Research Associate, Max-Planck Institut für Kernphysik, Heidelberg, 1973-1976
  Visiting Assistant Professor, State University of New York at Stony Brook, N.Y., 1976-1978
  Guest Associate Physicist, Brookhaven National Laboratory, Upton, N.Y., 1977
  Assistant Professor of Physics, State University of New York at Stony Brook, N.Y., 1978
  Associate Professor of Physics, State University of New York at Stony Brook, N.Y., 1980
  Guest Scientist, GSI, Darmstadt, Germany, 1981
  Professor of Physics, State University of New York at Stony Brook, N.Y., 1982
  Guest Scientist, GSI Darmstadt, September 1984 - August 1985
  Spokesperson, AGS E814 Collaboration, Oct. 1985 - Dec. 1994
  Associate Editor, Phys. Rev. Letters, 1984-1987
  Spokesperson, AGS E877 Collaboration, March 1991 - Aug. 2003
  Leading Scientist, GSI, and Professor of Physics, Technical University Darmstadt, Jan. 1996 - Sep. 2011
  Project Leader, ALICE TPC, Nov. 1998 -Dec. 2010
  Member of GSI Directorate and Director of IT and Scientific Infrastructure, Nov. 1998 - Nov. 2006
  Associate Editor, Phys. Rev. Letters, Jan. 2000- Dec. 2002
  Associate Editor, Nucl. Phys. A, March 2003 -Dec. 2011
  Associate Editor, European Physics Journal A, July 2005 - September

2011
Scientific Director, ExtreMe Matter Institute EMMI, Helmholtz Alliance on 'Cosmic Matter in the Laboratory, April 2008 -
Senior Fellow, Frankfurt Institute for Advanced Studies (FIAS), June 2008 - Dec. 2014
Chair, ALICE collaboration board, Jan. 2011 - Dec. 2016
Supervisory Editor, Nucl. Phys. A, April 2012 -
Helmholtz Professor, GSI Helmholtz Zentrum für Schwerionenforschung, Oct. 2011 - Sep. 2014
Honorar-Professor, Universität Heidelberg, Oct. 2014 -
Gui Zhi-Ting Chair Professor, CCNU, Wuhan, China, July 2015 -

- Committees, Commissions:
  Member, Users Executive Committee, Brookhaven National Laboratory, 1980-1983
  Member, Executive Committee, Holifield Heavy Ion Research Facility, Oak Ridge, 1982-83
  Chair, Executive Committee, Heavy Ion Users Group, Brookhaven National Laboratory, June 1984- June 1987
  Member, Program Advisory Committee, Bevatron-Bevalac, Lawrence Berkeley Laboratory, Oct. 1985 - Dec. 1987
  Member, NSAC Subcommittee on Facilities, May 1986
  Member, Technical Review Committee, Chalk River Nuclear Laboratories, April 1987 - April, 1989
  Member, NSAC, 1987-1990
  Chair, NSAC Subcommittee on Instrumentation, Feb. 1988 -Feb. 1990
  Co-Chair, Organizing Committee, Quark Matter '88 Conference, Lenox, Sept. 1988
  Member, AGS Program Committee, October. 1988 - February, 1991
  Member, Experimentausschuss, GSI, Darmstadt, April 1989-Dec. 1994
  Member, Technical Review Committee, CEBAF, Dec. 1990
  Member, NSF Site Review Committee, Michigan State University, May 1992
  Member, DoE Nuclear Physics Review Panel, March - June, 1994
  Member, Review Committee for the Dept. of Physics and Astronomy, University of Minnesota, June, 1994
  Member, ISF Review Panel, Washington, DC, June 1994
  Member, APS Review Panel of Physical Review C, Sep. 1994 - June, 1995
  Member, PHENIX Executive Committee, 1995
  Member, Organizing Committee, Quark Matter 1996 Conference
  Member, Fachbeirat, IKP Jülich, Feb. 1996 - 1999
  Co-Convener, GSI Study Group on Hot and Dense Nuclear Matter, Apr. 1996

Member, NUPECC Study Group, Ultrarelativistic Nuclear Collisions, May 1996 - Dec. 1996
Member, ECFA, May 1997 - May 2006
Member, OECD Megascience Group, April 1997- June 1998
Member, Management Board, ALICE Experiment, June 1997 -
Chair, Scientific Council, IKP, Jülich, April 1999-May 2004
Member, A. v. Humboldt Forschungspreis-Ausschuss, April 1999 - March 2008
Member and Chair, Stern-Gerlach Preiskomitee, Nov. 1999- Nov. 2006
Member, Organisationskomitee "Arbeitstreffen Kernphysik-Schleching", Jan. 2001 -
Member and Vice-Chair, Komitee für Hadronen und Kernphysik, Feb. 2001 Feb. 2004
Member, GridKa Overview Board, FZ Karlsruhe, June 2001 - March 2007
Member, Board of Directors, ECT*, Trento, Italy, Oct. 2001 - Oct. 2003
Chair, RHIC Detector Upgrade Committee, Brookhaven National Laboratory, USA, Oct. 2002 - Oct. 2005
Member, Laboratory Review Committee, LPC, Clermont-Ferrand, France, April 2003 -
Chair, Board of Directors, ECT*, Trento, Italy, Oct. 2003 - April 2006
Chair, Komitee für Hadronen und Kernphysik, April 2004 - March 2007
Member, ICE Review Committee, Copenhagen, Danmark, Oct. 2004 - Dec. 2007
Member, Fellows and Associates Committee, CERN, May 2005 - April 2009
Member, ESFRI Roadmap Committee, July 2005 - April 2006
Member, OECD Megascience Forum, Nov. 2005 - July 2006
Chair, Arbeitstreffen Kernphysik, Schleching, Jan. 2005 -
Member, Rare Isotope Science Assessment Committee of the US National Academy, Nov. 2005 - Nov. 2006.
Member, Scientific Policy Committee, CERN, Jan. 2007 - Dec. 2012
Member, International Linear Collider Tracking R&D Review Committee, Jan. 2007 - Dec. 2009
Scientific Coordinator (with K. Langanke) of the Helmholtz Allianz 'Cosmic Matter in the Laboratory', March 2007 - Nov. 2007.
Member, A. von Humboldt Professor Selection Committee, March 2008 - April 2014
Chair, Science Faculty Evaluation Committee, Jyväskylä University, Finland, March 7 - 11, 2011.

Member, Wiss. Beirat, Wilhelm und Else Heraeus Stiftung, April 2012 - March 2014
Member, Preparatory Group, European Strategy Group, CERN Council, March 2012 - May 2013
Member, Research Council of the University of Heidelberg, July 2012 -
Member, DoE Nuclear Physics Comparative Review Panel, Gaithersburg, Maryland, June 2013
Member, RIKEN-BNL Research Center Scientific Review Committee, Oct. 30 - Nov. 1, 2013, Brookhaven National Laboratory, USA
Member, DoE Panel on sPHENIX Review, July 1 - 2, 2014 and April 30, 2015, Brookhaven National Laboratory, USA
Member, Committee on U.S.-Based Electron-Ion Collider Science Assessment, U.S. National Academies of Sciences, Engineering, and Medicine, Feb. 2017 - July 2018

- Fellowships and Prizes:
  Fellow of the "Studienstiftung des Deutschen Volkes", 1970-1972
  Fellow, American Physical Society, 1994
  Prize of the Polish Ministry of Science, 2003
  Werner Heisenberg Medal of the Alexander von Humboldt Foundation, June 2008
  APS Outstanding Referee, Dec. 2010
  Elected Member, Academia Europaea, July 2011
  Lise Meitner Prize of the European Physical Society, July 2014 (together with Paolo Giubellino, Jürgen Schukraft, Johanna Stachel)
  Stern-Gerlach Medal of the German Physical Society 2019, Nov. 2018 (together with Johanna Stachel

- Publications:
  $>$ 500 scientific publications
  $>$ 300 invited talks and colloquia

- 10 most important recent publications

1. Anton Andronic, Peter Braun-Munzinger, Krzysztof Redlich, Johanna Stachel, Decoding the phase structure of QCD via particle production at high energy Nature **561** (2018) no.7723, 321-330
2. P. Braun-Munzinger, V. Koch, T. Schäfer and J. Stachel, Properties of hot and dense matter from relativistic heavy ion collisions, Phys. Rept. **621**, 76 (2016) doi:10.1016/j.physrep.2015.12.003 [arXiv:1510.00442 [nucl-th]].
3. B. B. Abelev *et al.* [ALICE Collaboration], Performance of the ALICE Experiment at the CERN LHC, Int. J. Mod. Phys. A **29**, 1430044 (2014), doi:10.1142/S0217751X14300440, [arXiv:1402.4476 [nucl-ex]].
4. B. Abelev *et al.* [ALICE Collaboration], Upgrade of the ALICE Experiment: Letter Of Intent, J. Phys. G **41**, 087001 (2014).
5. B. B. Abelev *et al.* [ALICE Collaboration], Centrality, rapidity and transverse momentum dependence of J/ψ suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV, Phys.Lett. **B734** (2014) 314-327, arXiv:1311.0214 [nucl-ex]

6. K. Aamodt et al., ALICE coll., Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV, Phys. Lett. **B696** (2011) 30-39, arXiv:1012.1004 [nucl-ex].
7. J. Alme etal., the ALICE TPC coll., The ALICE TPC, a large 3-dimensional tracking device with fast read-out for ultra-high multiplicity events, Nucl. Instr. Meth. Phys. Research **A622** (2010) 316, arXiv:1001.1950 [physics.ins-det].
8. P. Braun-Munzinger and J. Wambach, Rev. Mod. Phys. **81** (2009) 1031, arXiv: 0801.4256 [hep-ph].
9. A. Andronic, P. Braun-Munzinger and J. Stachel, Hadron production in central nucleus-nucleus collisions at chemical freeze-out," Nucl. Phys. A **772** (2006) 167, nucl-th/0511071.
10. P. Braun-Munzinger and J. Stachel, (Non)-Thermal Aspects of Charmonium Production and a New Look at J/ψ Suppression, Phys. Lett **B490** (2000) 196, nucl-th/0007059.

- Editorial Work:
  Editor/Co-Editor of 6 Scientific Books