

Curriculum Vitae XXXXXXXXXX

Name: Sonia Bacca
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URL for web site: <https://wwwth.kph.uni-mainz.de/bacca-sonia/>
Publication data: 79 published papers; 1948 citations, h-index = 27 (Google Scholar)
Presentations: Given about 140 talks

EDUCATION

2005 PhD (in Co-Tutelle)
Faculty of Natural Sciences, University of Trento/Physics Department/Italy, and
Faculty 08, Johannes Gutenberg University/Institute of Nuclear Physics/Germany
2001 Master, Faculty of Natural Sciences, University of Trento/Physics Department/Italy

CURRENT POSITION

2017–now Professor of Nuclear and Hadronic Theory/Faculty 08/
Johannes Gutenberg University (JGU)/Institute of Nuclear Physics/Germany

PREVIOUS POSITIONS

2015 – 2017 Research Scientist (Tenured)/TRIUMF/Theory Group/Canada
2009 – 2015 Research Scientist (Tenure Track)/TRIUMF/Theory Group/Canada
2014 – 2017 Instructor at UBC/Canada
2013 – 2017 Adjunct Professor/University of Manitoba/Canada
2008 – 2009 Postdoc/TRIUMF/Theory Group/Canada
2005 – 2008 Postdoc/Gesellschaft für Schwerionenforschung/Theory Group/Germany

FELLOWSHIPS AND AWARDS

2019 Elected Fellow of the American Physical Society, USA
2011 Awarded Discovery Grant of Early Career Research, Canada
2002 Awarded scholarship from the Istituto Nazionale di Fisica Nucleare (INFN), Italy

SUPERVISION OF GRADUATE STUDENTS/POSTDOCS

@JGU (2017-now) 3 Postdocs
3 PhD Students
6 Undergraduate Students
@TRIUMF (2009-2017) 3 Postdocs
2 PhD Students
2 Master Students
6 Undergraduate Students

TEACHING ACTIVITIES

2018–now As faculty member in theoretical physics, one course per semester among:
Nuclear Theory; Nuclear Physics; Advanced Quantum Mechanics; Quantum Mechanics
2012 – 2016 Nuclear Physics at UBC/Canada

ORGANIZATION OF SCIENTIFIC MEETINGS (last 5 years)

2021	Organizer	Summer school on Fundamental Interactions/ Hybrid/30 participants/Germany
2020	Organizer	Workshop on MESA physics and beyond, Online/50 participants/Germany
2018	Organizer	Workshop on Electromagnetic Observables/30 participants/Germany
2018	Organizer	Symmetry Breaking Summer School/40 participants/Germany
2018	IAC Member	Workshop on High Energy Theory and Gender/90 participants/CH
2018	Organizer	INT Program on Fundamental Physics with the Electroweak Probes of Light Nuclei/82 participants/USA
2018	Prog.Cmt.Member	International Few-Body Conference/150 participants/France
2016–2017	Organizer	Workshop on Ab-initio Techniques in Nuclear Physics 40 participants/Yearly Event/Canada
2016	Organizer	APS/DNP October Meeting/200 participants/Canada
2016	Prog.Cmt.Member	Few-Body Session at the APS April Meeting/40 participants/USA
2016	Session Convener	Gordon Research Conference/80 participants/USA

INSTITUTIONAL RESPONSIBILITIES

2019–now	Deputy Director, Mainz Institute of Theoretical Physics/JGU/Germany
2019–now	PRISMA ⁺ Steering Committee Member/JGU/Germany
2018–now	Organizer of the Internal PRISMA Colloquium/JGU/Germany
2018–now	Ex-officio member of the Mainz Institute of Theoretical Physics Board/JGU/Germany
2017–now	Member of the Teaching and Study Committee/JGU/Germany
2010–now	Member of Hiring Committees/JGU and TRIUMF/Germany and Canada
2016–2017	Chair of the Academic Committee/TRIUMF/Canada
2015–2017	Secretary Treasurer of the Canadian Institute of Nuclear Physics/Canada
2014–2017	Chair of the Library Committee/TRIUMF/Canada
2009–2017	Organizer of the Internal Colloquium and Theory Seminar/TRIUMF/Canada

REVIEWING ACTIVITIES

2018 – now	Associate Editor/Frontiers/Nuclear Physics Session/Switzerland
Since 2018	Reviewer/Deutsche Forschung Gemeinschaft/Germany
2017 – now	Editorial Board/Journal of Physics G: Nuclear and Particle Physics/UK
2016 – now	Member of the Experiment Evaluation Committee/TRIUMF/Canada
2016 – 2021	Editorial Board/Annual Review of Nuclear and Particle Science/USA
2016 – 2019	INT National Advisory Committee Member/USA
2015 – 2017	Advisory Committee Member/Collaborations in Nuclear Theory/MSU/USA
2013 – 2016	Executive Committee Member/APS, Few-Body Topical Group/USA
2016, 2017	Panelist/National Science Foundation/USA
Since 2015	Reviewer/Department of Energy/USA
2011, 2012	Member of the committee selecting best thesis awards in nuclear physics/Canada
Since 2010	Referee for Phys. Rev. Lett., Phys. Rev. C, Int. J. Mod. Phys. E, Few-Body Syst.