Curriculum Vitae – Michael Wurm

Personal Data

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Research Interests

- Neutrino oscillation physics, detection of low-energy neutrinos from astrophysical sources, experimental searches for FIPs (feebly interacting particles)
- R&D on organic and water-based scintillators

Scientific Activities & Service to the Community

- L2 manager for liquid scintillator/OSIRIS in the JUNO reactor neutrino experiment
- Co-spokesperson for the ANNIE accelerator neutrino experiment at Fermilab
- Member of the PRISMA$^+$ Steering Committee
- Deputy Member of the German Committee for Astroparticle Physics (KAT)
- Member of the CERN SPSC

Scientific Career

Since 2014	Professor for Experimental Neutrino Physics at Johannes Gutenberg Universität Mainz, Germany
2013 – 2014	Postdoc at Institute for Physics, University of Tübingen
2011 – 2013	Postdoc at Institute for Experimental Physics, University of Hamburg
2009 – 2011	Postdoc at Physics Department, Technical University, Munich
2006 – 2009	Ph.D. at Technical University, Munich
2000 – 2005	Student in Physics at Technical University, Munich

Scholarships and Awards

2013 – 2014	Postdoctoral Scholarship of the Carl-Zeiss Foundation
2009	Award for the best Universe PhD thesis 2009 (Experiment) by the Excellence Cluster “Universe” (Munich)

List of Publications

Cite Summary (inspirehep.net)

120 publications in peer-reviewed journals
average number of citations: 102
h-index: 47

Selected publications

- M. Agostini et al. (Borexino Collaboration): *Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun*, Nature 587 (2020) 577-582
- S. Böser et al.: *Status of Light Sterile Neutrino Searches*, Prog. Part. Nucl. Phys. 111 (2020) 103736
- M. G. Aartsen et al.: *Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU*, Phys. Rev. D 101 (2020) 032006
- M. Wurm: *Solar Neutrino Spectroscopy*, Phys. Rept. 685 (2017) 1
- F. An et al.: *Neutrino Physics with JUNO*, J. Phys. G 43 (2016) 030401
- G. Bellini et al. (Borexino Collaboration): *Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth*, JCAP 08 (2013) 049
- Y. Abe et al. (Double Chooz Collaboration): *Indication of Reactor* $\bar{\nu}_e$ *Disappearance in the Double Chooz Experiment*, Phys. Rev. Lett. 108 (2012) 131801
- M. Wurm et al.: *The next-generation liquid-scintillator neutrino observatory LENA*, As- tropart. Phys. 35 (2012) 685
- G. Alimonti et al. (Borexino Collaboration): *The liquid handling systems for the Borexino solar neutrino detector*, Nucl. Instrum. Meth. A 609 (2009) 1, 58
- M. Wurm et al.: *Detection potential for the diffuse supernova neutrino background in the large liquid-scintillator detector LENA*, Phys. Rev. D 75 (2007) 023007