

July 10, 2011

GERDA

the GERmanium Detector Array



List of PhD, Diploma and Master theses

1. *Liquid argon as active shield and coolant for bare germanium detectors – A novel background suppression method for the GERDA $0\nu\beta\beta$ experiment*,
Peter Peiffer,
PhD thesis, Max Planck Institut für Kernphysik, Heidelberg, July 2007.
2. *Low-Level Gammaskopie im Rahmen des GERDA-Experimentes zur Suche nach dem neutrinolosen Doppel-Betazerfall in ^{76}Ge* ,
Werner Maneschg,
Diploma thesis, U. Heidelberg, July 2007.
3. *Prompte Gamma Aktivierungsanalyse an ^{76}Ge* ,
Georg Meierhofer,
Diploma thesis, Physikalisches Institut, Universität Tübingen, December 2007.
4. *Pulse shape discrimination studies in a liquid Argon scintillation detector*,
Tina Pollmann,
Diploma thesis, U. Heidelberg, July 2007.
5. *Techniques to distinguish between electron and photon induced events using segmented germanium detectors*,
Kevin Kröninger,
PhD thesis, TU München, Max Planck Institut für Physik, München, July 2007.
6. *Interlockkontrolle und Schleusensteuerung des GERDA-Experiments*,
M. Kästle,
Diploma thesis, FH Augsburg, March 2008.
7. *Search for Double Beta Decay with HPGe Detectors at the Gran Sasso Underground Laboratory*,
Oleg Chkvorets,
PhD thesis, Max Planck Institut für Kernphysik, Heidelberg, July 2008.
8. *Automatisierung der Messprozesse des GALATEA Teststandes*,
A. Glück, Master's thesis, FH Augsburg, March 2009.
9. *Characterization of a Broad Energy Germanium detector through advanced pulse shape analysis techniques for the GERDA double-beta decay experiment*,
Matteo Agostini, Master's thesis, U. Padova, 2009.
10. *Design, Simulation und Aufbau des Gerda-Myonvetos*,
Markus Knapp,
PhD thesis, Kepler Center für Astro und Teilchen Physik, U. Tübingen, October 2009.

11. *Development of Segmented Germanium Detectors for Neutrinoless Double Beta Decay Experiments*,
Jing Liu,
PhD thesis, TU München, Max Planck Institut für Physik, München, June 2009.
12. *Germanium detector studies in the framework of the GERDA experiment*,
Dusan Budjas,
PhD thesis, Max Planck Institut für Kernphysik, Heidelberg, May 2009.
13. *Performance and stability tests of bare high purity germanium detectors in liquid argon for the GERDA experiment*,
Marik Barnabè Heider,
PhD thesis, Max Planck Institut für Kernphysik, Heidelberg, May 2009.
14. *Experimental characterization of a Broad Energy Ge detector for the GERDA experiment* ,
Giovanna Pivato, Master's thesis, U. Padova, 2010.
15. *Gammaspektroskopie mit Germaniumdetektoren*,
Alexander Hegai,
Diploma thesis, Physikalisches Institut, Universität Tübingen, 2010.
16. *A Liquid-Argon anti-Compton Veto with Silicon Photomultipliers*,
Hossein Aghai-Khozani,
Diploma thesis, Max-Planck Institut für Physik, Technische Universität München, 2010.
17. *Mirror pulses and position reconstruction in segmented HPGe detectors*,
Sabine Hemmer,
Diploma thesis, Max-Planck Institut für Physik, Technische Universität München, 2010.
18. *Neutron capture on ^{76}Ge* ,
Georg Meierhofer,
PhD thesis, Kepler Center für Astro und Teilchen Physik, U. Tübingen, December 2010.
19. *Pulse Shapes and Surface Effects in Segmented Germanium*,
Daniel Lenz,
PhD thesis, TU München, Max Planck Institut für Physik, München, March 2010.
20. *Segmented High Purity Germanium Detectors: Systematic Effects*,
Annika Vauth,
Diploma thesis, Max-Planck Institut für Physik, Technische Universität München, 2010.
21. *Untersuchungen zur Totschicht von BEGe-Detektoren im Rahmen des GERDA Experiments* ,
Sebastian Georgi, Bachelor's thesis, U. Heidelberg, 2010.
22. *Characterization of Junction Gate Field Effect Transistors at Room temperature and 77 K* ,
Jeschua Geist, Bachelor's thesis, U. Heidelberg, 2011.
23. *LArGe – A liquid argon scintillation veto for GERDA*,
Mark Heisel,
PhD thesis, U. Heidelberg, April 2011.
24. *Noise measurements of the GERDA preamplifier* ,
Lisa Gamer, Bachelor's thesis, U. Heidelberg, 2011.