



WWW.NMDB.EU: The real-time Neutron Monitor database

K.-L. Klein (1), C. Steigies (2), and NMDB team (3)

(1) Observatoire de Paris, LESIA - CNRS UMR 8109, Meudon (ludwig.klein@obspm.fr), (2) Institut für Experimentelle und Angewandte Physik, Christian-Albrechts-Universität zu Kiel (steigies@physik.uni-kiel.de), (3) www.nmdb.eu

In January 2007 the *Real time database for high-resolution neutron monitor measurements* (NMDB) project, which is supported by the 7th framework program of the European Commission, commenced. One year after the project start we have several neutron monitor stations that are sending their data in real-time to a publicly available prototype database in a common format. We have developed applications that make use of the real-time cosmic ray measurements for example for space weather applications and dose calculations at airplane altitudes. We are also in the process of establishing a public outreach site and a training site with material for university students and researchers and engineers who want to get familiar with cosmic rays and neutron monitor measurements. An overview of the project status as well as instructions on how to use the available data will be given. Operators of other neutron monitor stations are welcome to submit their data to NMDB. Possible future developments will be briefly discussed.