



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

Karl-Ludwig Klein (1), Christian T. Steigies (2), and the NMDB consortium ()

(1) Observatoire de Paris, LESIA-CNRS UMR 8109, F-92195 Meudon, France (ludwig.klein@obspm.fr), (2) Christian-Albrechts Universit\`at, Extraterrestrische Physik, D-24098 Kiel, Germany (steigies@physik.uni-kiel.de)

The *Real time database for high-resolution neutron monitor measurements* (NMDB), which was supported by the 7th framework program of the European Commission, hosts data on cosmic rays in the GeV range from European and some non-European neutron monitor stations. It offers a variety of applications ranging from the representation and retrieval of cosmic ray data over solar energetic particle alerts to the calculation of ionisation doses in the atmosphere and radiation dose rates at aircraft altitudes. Furthermore the web site comprises public outreach pages in several languages and offers training material on cosmic rays for university students and researchers and engineers who want to get familiar with cosmic rays and neutron monitor measurements. This contribution presents an overview of the provided services and indications on how to access the database. Operators of other neutron monitor stations are welcome to submit their data to NMDB.