

## Dr. rer. nat. Andreas Kosmider

Andreas Kosmider studied Physics in Münster and Karlsruhe with a focus on experimental astro-particle physics, energy systems and fusion technologies. He conducted research on isotope identification using FT-IR-spectroscopy for the fuel cycle of ITER within the European fusion program. After that, he worked with the KATRIN collaboration, where he also received his PhD for background suppression techniques for direct neutrino mass measurements.

In 2012 Andreas moved to large-scale scientific project management and was appointed task leader for the WGTS source cryostat of the KATRIN experiment, which is the currently most accurate experiment for direct neutrino mass measurement worldwide.

He received a call to the headquarters of the Helmholtz Association in 2016 and was since then in charge of the strategic digitalization programs of the Helmholtz Association. In this function, he was coordinator of the Helmholtz Incubator for Information and Data Science, a leading think-tank for innovative application of future technologies, Big Data, and high-performance computing. Together with several hundreds of scientists and experts, Andreas designed and implemented five high-tech platforms to share key technologies and knowledge amongst the 18 Helmholtz research centers – focusing on AI/ML, imaging technologies, clouds, computing & research software, meta data, and research data management as well as education. Between 2018 and 2022 he was also the funding director of the Helmholtz Information & Data Science Academy (HIDA), Germany's largest postgraduate training program for applied Information & Data Sciences.

Andreas is great fan and supporter of the performing arts. He participated in over 35 theater productions, both as director and as part of cast and crew and founded two theater companies. He also advised several Major German theaters and productions in scientific manners and co-created the "Theater trifft Wissenschaft" discussion format at Berliner Ensemble.

In the last 25 years Andreas was active in numerous honorary academic, social, cultural, and political organizations and boards, chaired several clubs and greatly enjoys the organization of large festivities and campaigns.

### Major career steps

04/2017 – 09/2023	Head of department Strategic Initiatives, Helmholtz Association, Berlin
09/2018 – 09/2022	Founding Director <a href="#">Helmholtz Information &amp; Data Science Academy</a>
04/2016 – 03/2017	Head of Department Project commissions, Helmholtz Association, Berlin
11/2012 – 04/2016	Project leader WGTS, <a href="#">KATRIN Projekt</a> , KIT
02/2011 – 10/2012	Scientific Coordinator DPS2-F, KATRIN Project, KIT

### Education

10/2009 – 07/2012	Doctoral Research (Dr. rer. nat), Institute for Experimental Nuclear Physics, KIT
06/2008 – 08/2009	Diploma Thesis at Tritium-Laboratory Karlsruhe, KIT
10/2003 – 08/2009	Studies (Physics Dipl.) University Karlsruhe (TH) and University Münster (WWU)