



**Dr. Alexander Gerbershagen** has a master's degree in mathematical physics from the University of Cambridge and a doctorate in particle physics from the University of Oxford, UK. He has worked at CERN on the beamline design of a future electron-positron collider CLIC and later at Paul Scherrer Institute on the maintenance and further development of the proton therapy facility PROSCAN. In particular, he investigated the potential use of the superconducting magnets in future gantries and received for this work the "Best Publication of the Year" award from Journal of Medical Physics (ZMedPhys) as well as "Prize for Extraordinary Achievements" from Paul Scherrer Institute. He worked as a staff beam physicist at CERN, where he has been responsible for the operation of beamlines for fixed target experiments and test beams, while contributing to a number of particle therapy projects, such as VHEE-FLASH and GaToroid. Since 2022 he is an Associate Professor at University Medical Center Groningen in the Netherlands, where he leads the accelerator and radiation physics research at Particle Therapy Research Center (PARTREC).