

**Prof. Peter Schmüser**



Prof. Schmüser studied Mathematics and Physics at the University of Hamburg. He wrote his Diploma thesis in Solid State Physics in 1964 and received a Ph.D. in Particle Physics in 1967. After holding research positions at DESY, the University of Michigan, Argonne National Laboratory, and the University of Hamburg, in 1973 he became Associate Professor (tenure) at the Institute for Experimental Physics in the University of Hamburg. During these years, he specialized in Particle Physics experiments on pion production with polarized photons, pion and kaon reactions, and so forth, research for which he was awarded a prize of the German Physical Society (DPG).

From 1973 until 1976 he was engaged in the design and construction of the detector DASP at the electron-positron collider DORIS, followed by the detector TASSO at the electron-positron collider PETRA (1975-1982). He then switched to accelerator physics while working on the electron-proton collider HERA (1983-1992) and the TESLA collider (1992-present). Since 2000 Prof. Schmüser has also been carrying out research on ultraviolet and X-ray free-electron lasers.

In 2004 he retired from the Professorship at the University of Hamburg, but continued with his accelerator-related research at DESY.

In 2009 he was awarded with a Senior Professorship of the Heraeus Foundation for developing a new curriculum in Theoretical Physics for high-school teacher students.

Prof. Schmüser is author and co-author of a great number of scientific publications and of four books.

