

Ceremonial Talk PV IV Wed 11:00 Geb. 30.95: Audimax
Particle Physics Through the Ages: A Century of Discoveries and the Road Ahead — ●BEATE HEINEMANN — Deutsches Elektronen-Synchrotron DESY — Universität Hamburg

Particle Physics has made tremendous progress during the past 100 years due to major technological advances in the areas of accelerators, detectors and computing. We have discovered the fundamental con-

stituents of matter, and understood what forces interact between them, and how these forces work in detail. I will present the key scientific advances that led to the current status of particle physics. I will also discuss the important open questions in our understanding of fundamental particles and their role in the early Universe, and how we might be able to get answers to those through future experiments. Throughout the talk I will highlight the breakthroughs that were enabled by Herwig Schopper.