

Uta Bilow - Colloquium seminar January 11, 2022  
TU Dresden, Germany

Title:

Particle Physics Outreach with Masterclasses

Abstract:

Masterclasses are a proven tool to engage high school students with Particle Physics. In a Masterclass, participants can actively take part in cutting-edge research and experience methods and tools used in research. Particle Physics Masterclasses offer an authentic experience and add a new dimension to physics education at school, thus stimulating the students' interest in science. Each year, high school students in 60 countries worldwide can participate in the program International Masterclasses that is run by the International Particle Physics Outreach Group (IPPOG). In Germany, the nationwide Netzwerk Teilchenwelt has been established, which includes 30 universities and research labs and uses Particle Physics Masterclasses as the base level for a sustainable program to attract and promote the next generation of scientists.