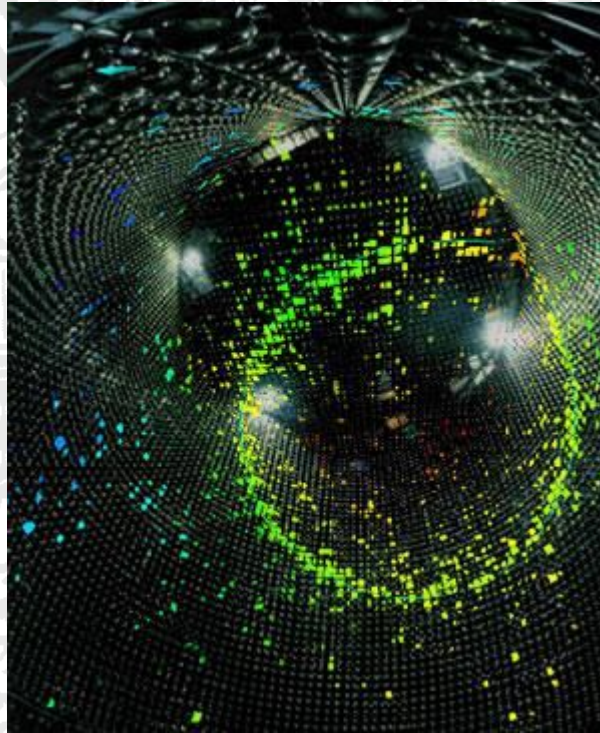


PHYSIKALISCHES KOLLOQUIUM

AM 6. JUNI 2016 UM 17 UHR C.T.

IM GROßEN HÖRSAAL



NEUTRINOS – MYSTERIOUS PARTICLES?

PROF. DR. ACHIM STAHL

DEPARTMENT OF PHYSICS, RWTH AACHEN

Neutrinos were first predicted by Wolfgang Pauli in 1930, but later considered to be undetectable. Today we manage with gigantic detectors to measure neutrinos. I will start at the beginning, recall the first experiments and the milestones to our current knowledge about neutrinos, including the discovery of neutrino oscillations which was honored with the latest Nobel Prize. I will try to summarize the open questions and end with an outlook to the future experiments.