

Das Neutron in Kosmologie und Teilchenphysik

Prof. Dr. Dirk Dubbers

(Physikalisches Institut, Universität Heidelberg)

Experiments with cold and ultracold neutrons have reached a level of precision such that problems far beyond the scale of the present Standard Model of particle physics become accessible to experimental investigation. Due to the close links between particle physics and cosmology, these studies also permit a deep look into the very first instances of our universe.