

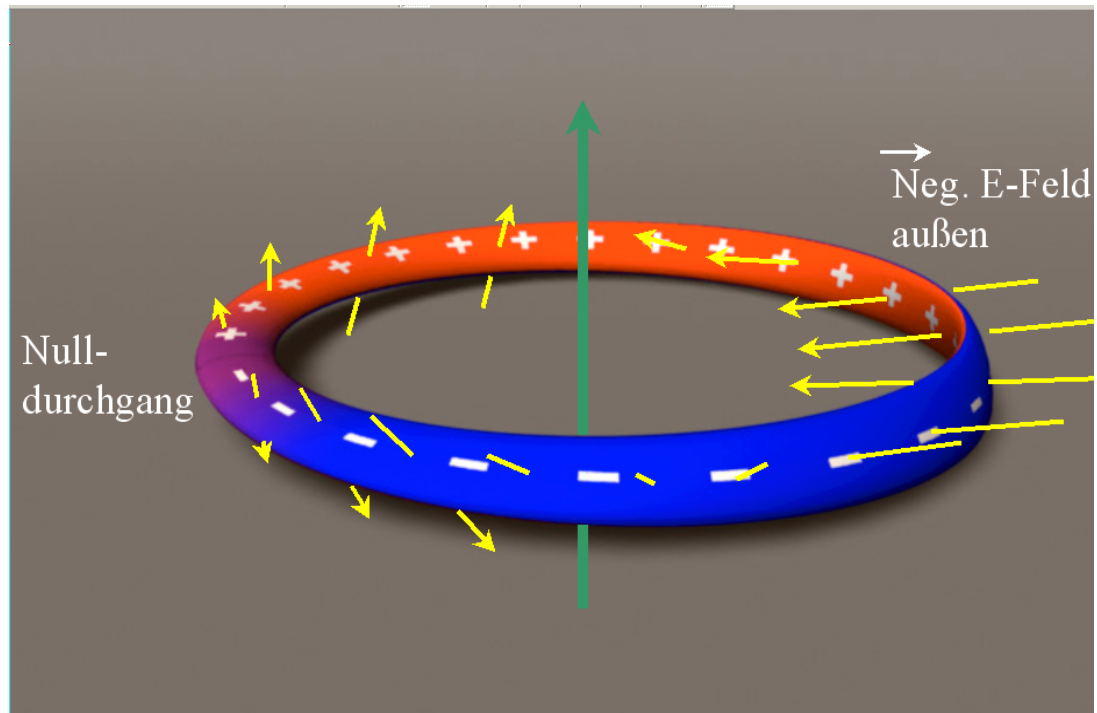


Abb. 1:

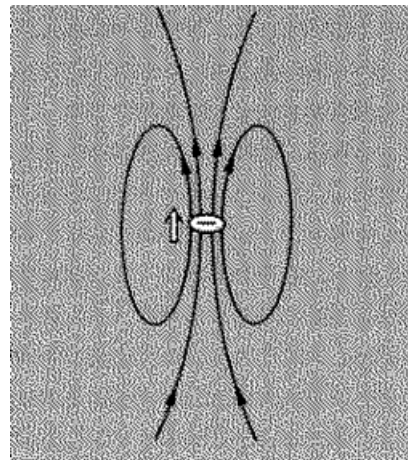
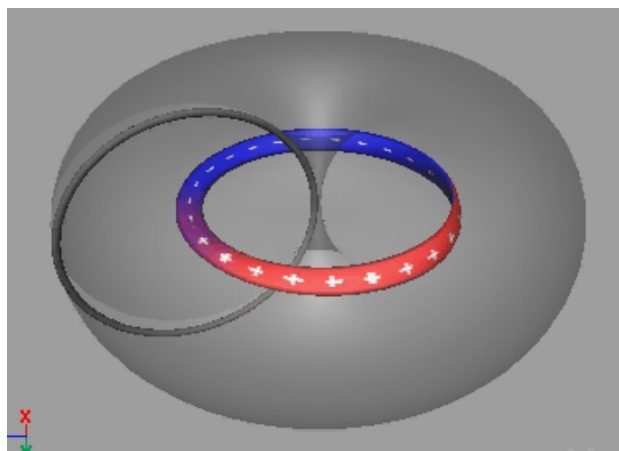


Abb. 2: a) und b):

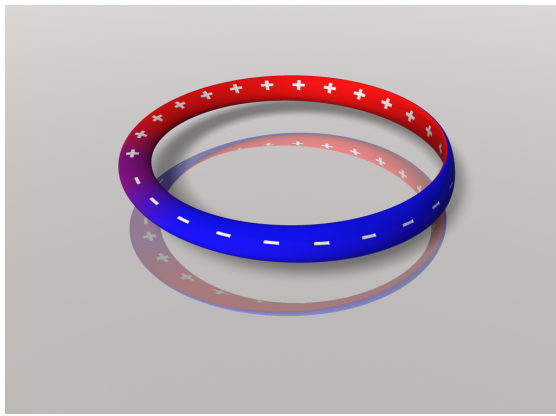
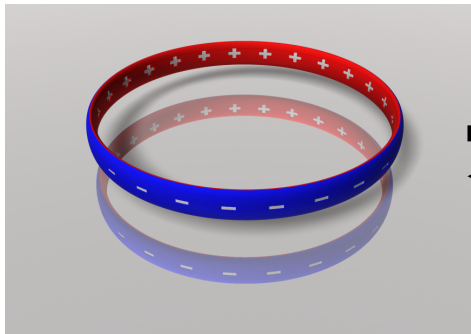


Abb. 3:



1. Umlauf:
neg. E-Feld außen



2. Umlauf:
pos. E-Feld außen

Abb. 4:

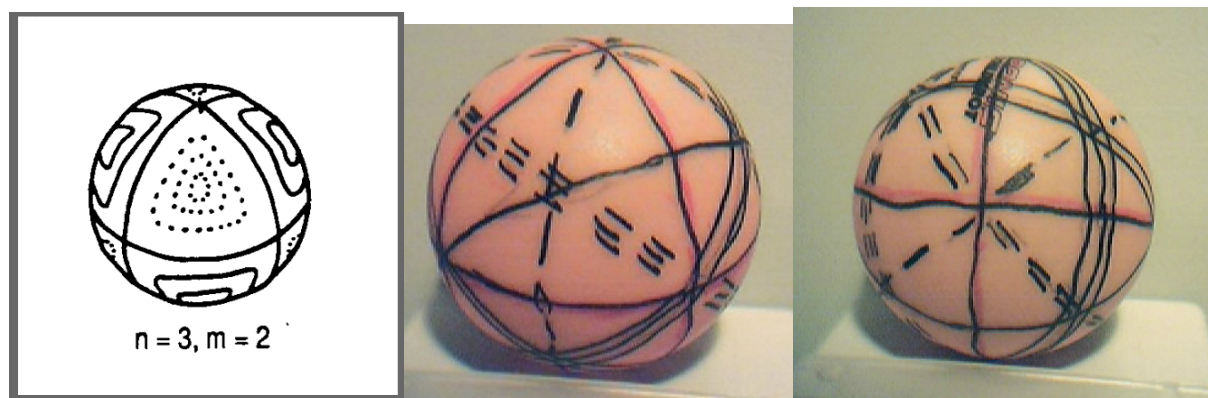


Abb. 5

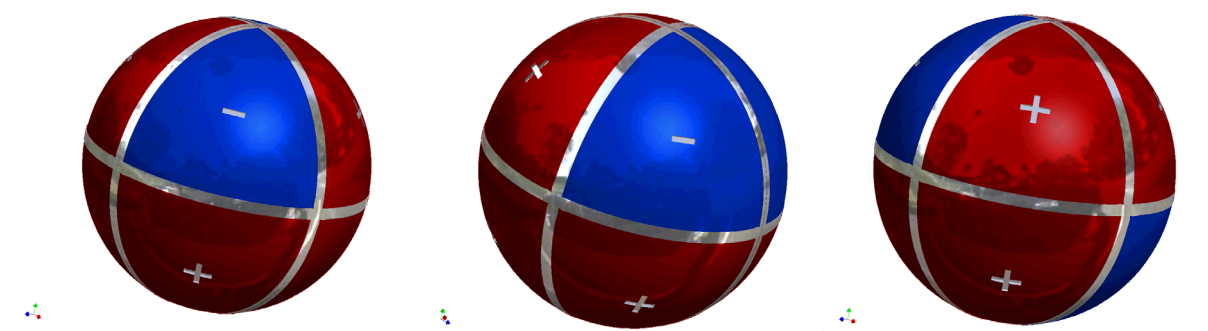


Abb.6

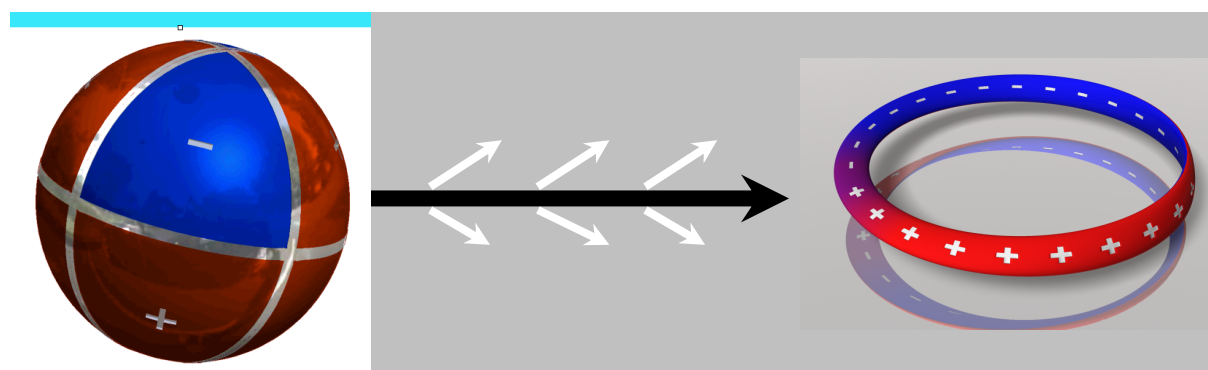


Abb. 7 a

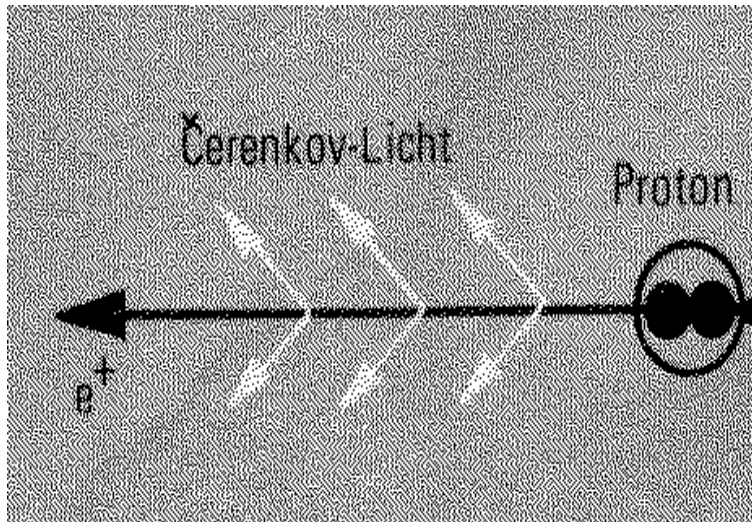


Abb. 7 b:

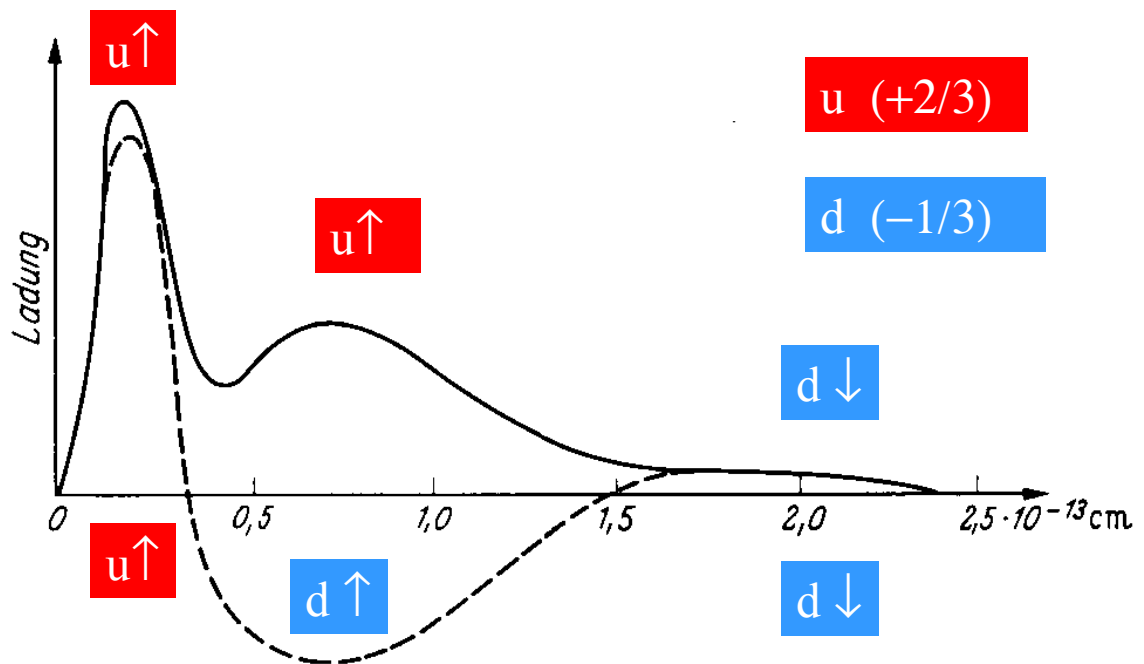


Abb. 648. Ladungsverteilung von Proton (—) und Neutron (---)

Abb. 8

Weak decays:

$$n \rightarrow p + e^- + \bar{\nu}_e$$

$$\mu^+ \rightarrow e^+ + \bar{\nu}_\mu + \nu_e$$

$$\pi^+ \rightarrow \mu^+ + \nu_\mu$$

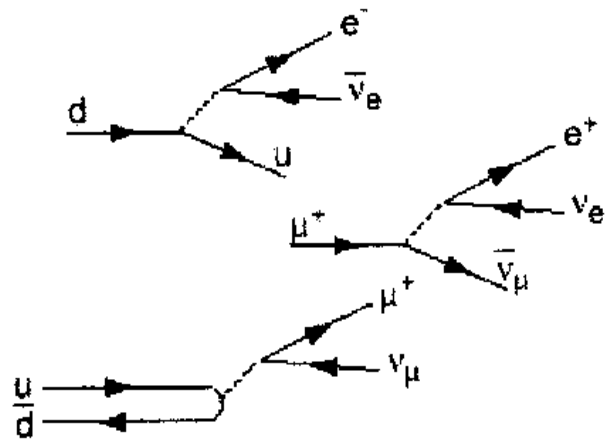


Abb. 9:

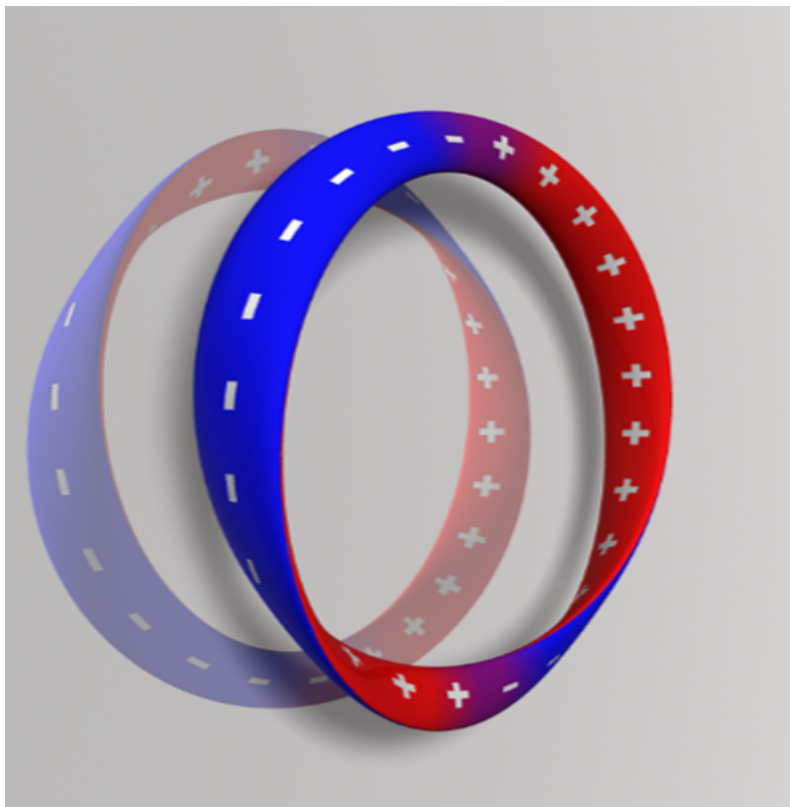


Abb. 10 a

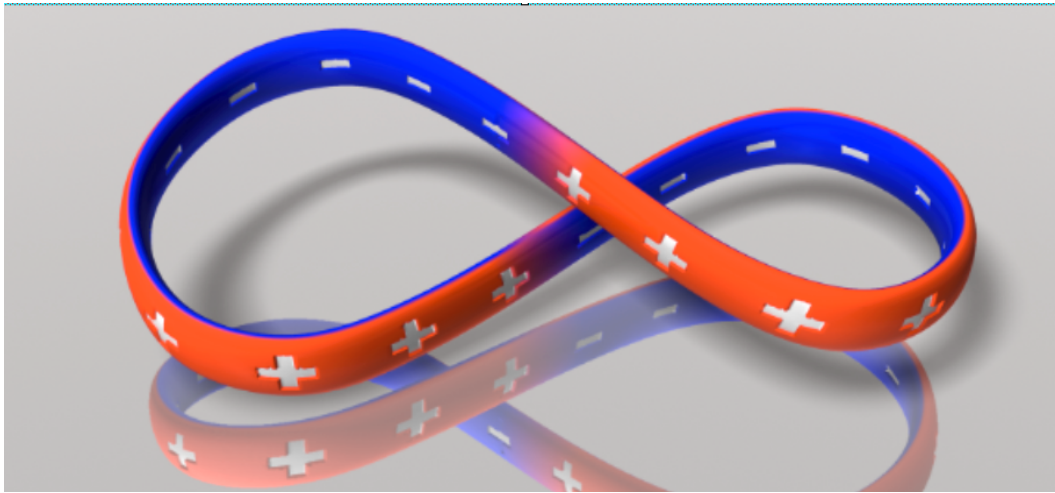


Abb. 10 b:

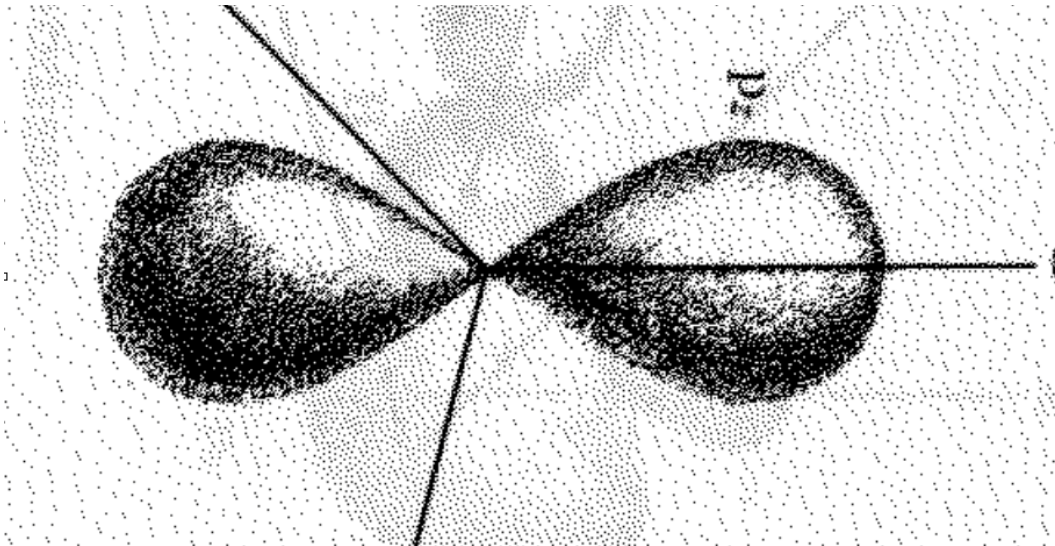
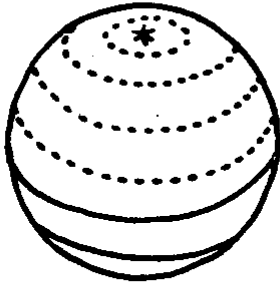
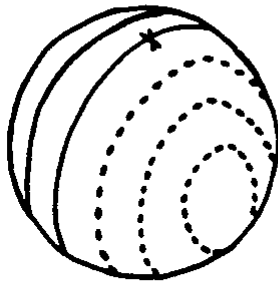


Abb. 10 c:

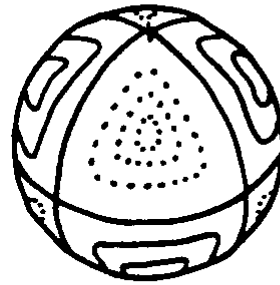
Kugelflächen-Wellenformen



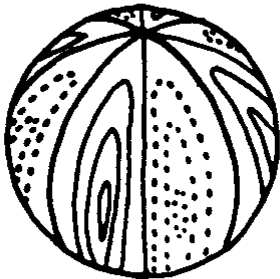
$n=1, m=0$



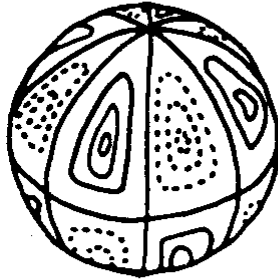
$n=1, m=1$



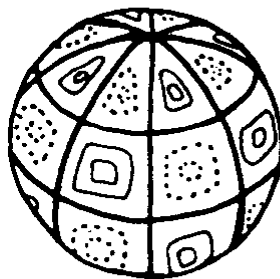
$n=3, m=2$



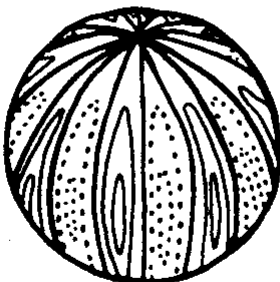
$n=4, m=4$



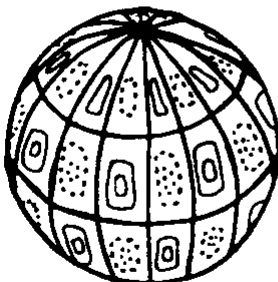
$n=5, m=4$



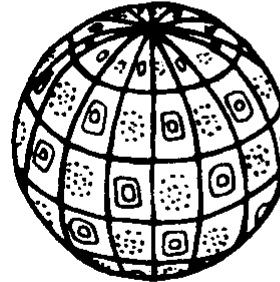
$n=7, m=4$



$n=8, m=8$



$n=11, m=8$



$n=13, m=8$

Abb. 11