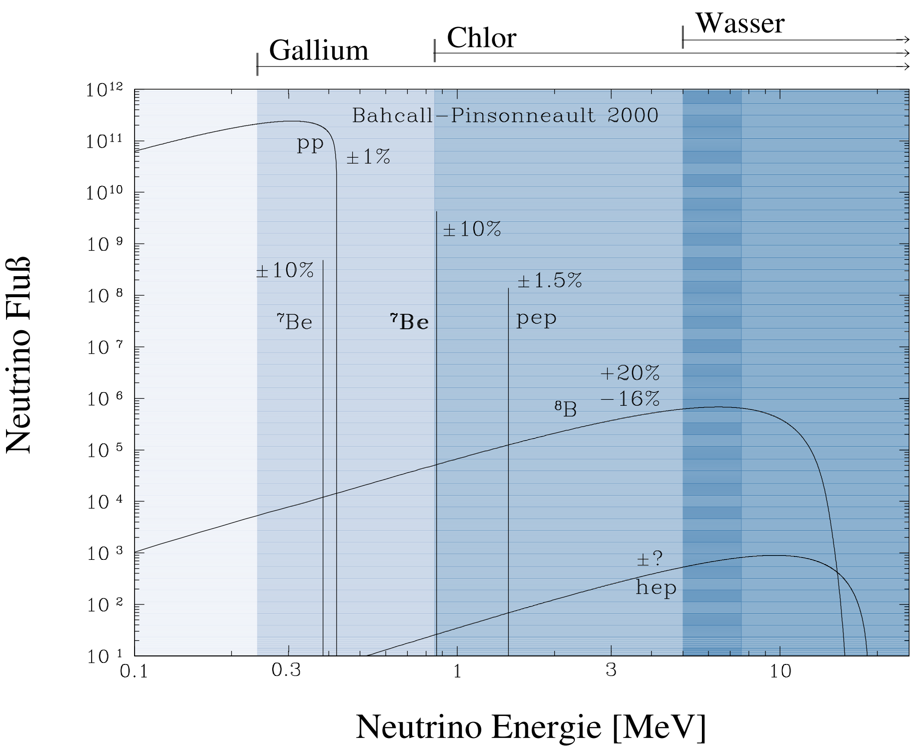
Technische Universität Carolo-Wilhelmina zu Braunschweig

Institut für Theoretische Physik

Dr. Andreas Honecker

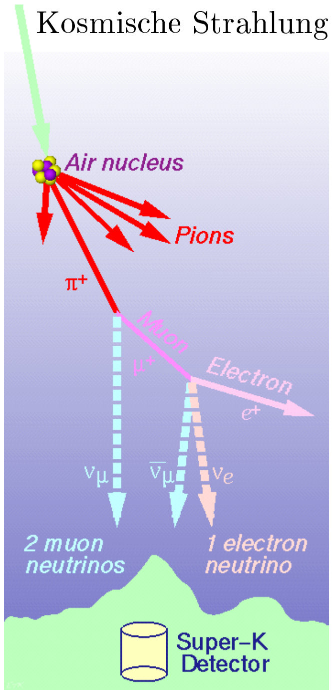
Neutrino-Oszillationen

Sonnen-Neutrino-Spektrum im Standard-Sonnen-Modell



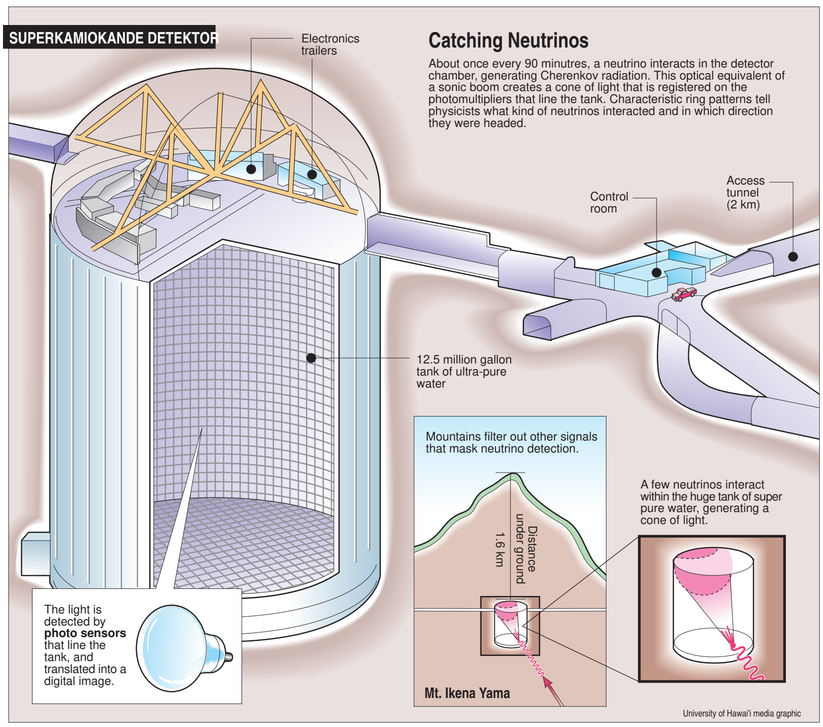
[Quelle: http://www.sns.ias.edu/~jnb/]

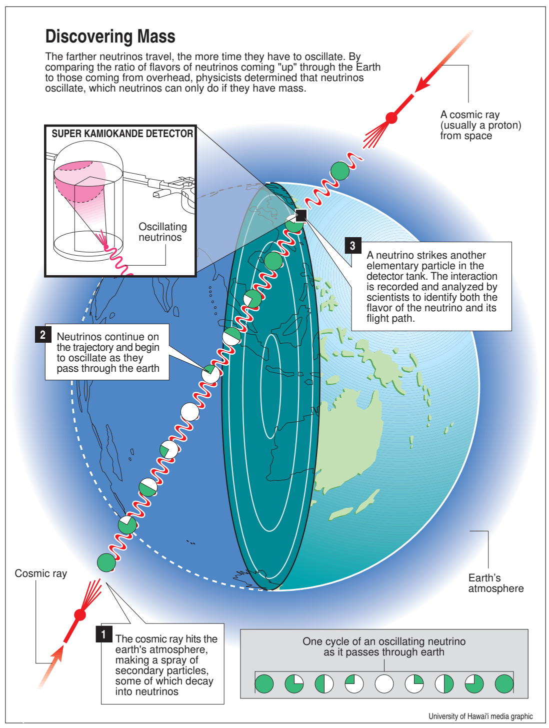
Atmosphärische Neutrinos



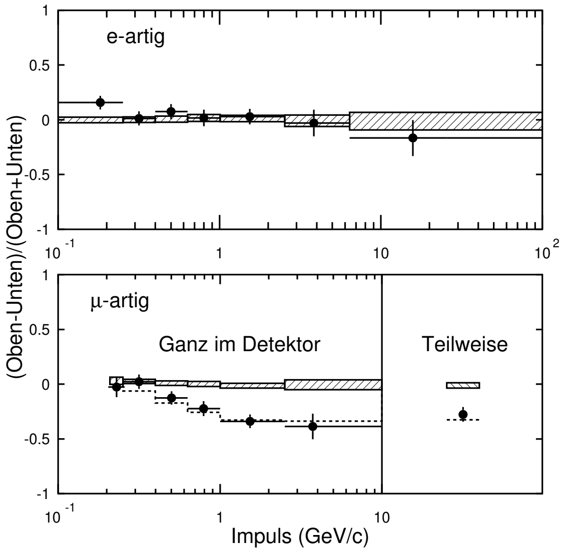
[Quelle: http://www.aip.org/physnews/graphics/html/eastwest.html]

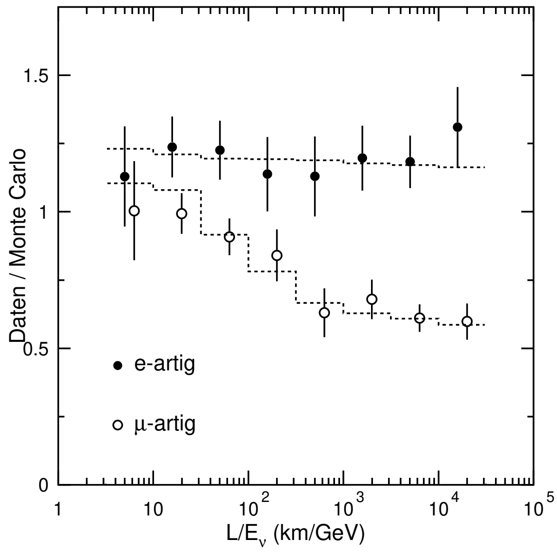
Superkamiokande





[Quelle: http://www.phys.hawaii.edu/~jgl/neutrino_news.html]

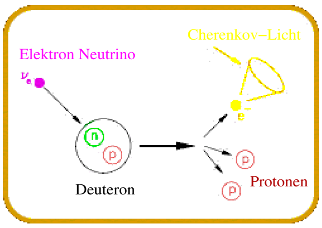


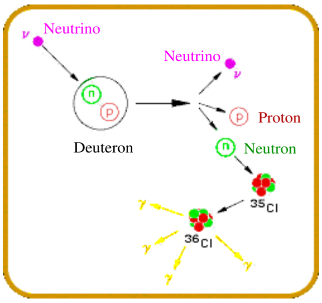


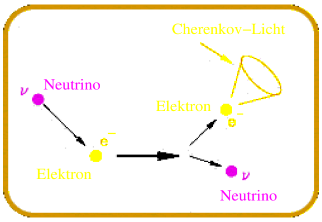
Verhältnis der beobachteten Ereignisse zur Erwartung ohne Oszillation gegen rekonstruiertes L

Y. Fukuda und andere (Super-Kamiokande Kollaboration), *Evidence for Oscillation of Atmospheric Neutrinos*, Phys. Rev. Lett. **81** (1998) 1562-1567

Sudbury Neutrino Observatorium

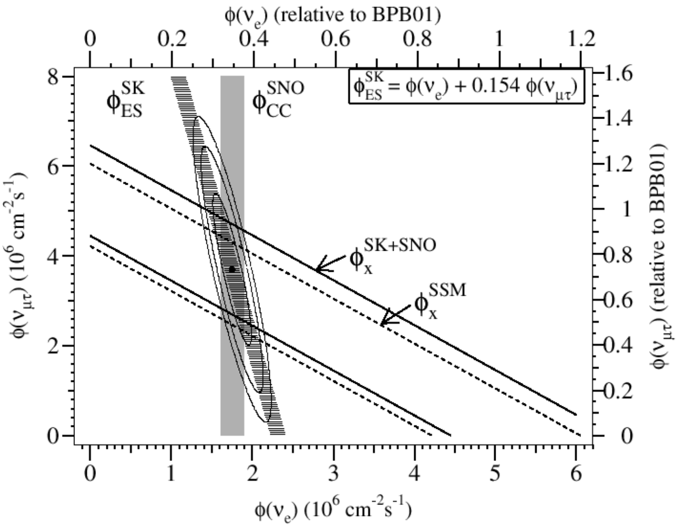






Detektor

Beobachteter Neutrino-Fluß



Q.R. Ahmad und andere (SNO Kollaboration), *Measurement of the Rate of $\nu_e + d \rightarrow p + p + e^-$ Interactions Produced by ^8B Solar Neutrinos at the Sudbury Neutrino Observatory*, Phys. Rev. Lett. **87** (2001) 071301

[Quelle: http://www.sno.phy.queensu.ca/sno/images/publicity_photos/index.html]