

Eugene W. Beier Select Publications

1. *New Limit on the Strength of Mixing Between ν_μ and ν_e* , L. A. Ahrens, *et al.*, (Brookhaven E734 Collaboration), Phys. Rev. **D31**, 2732-36 (1985).
2. *Measurement of Neutrino-Proton and Antineutrino-Proton Elastic Scattering*, L. A. Ahrens, *et al.*, (Brookhaven E734 Collaboration), Phys. Rev. **D35**, 785-809 (1987).
3. *Observation of a Neutrino Burst From the Supernova SN1987A*, K. Hirata, *et al.*, (Kamiokande II Collaboration), Phys. Rev. Lett. **58**, 1490-93 (1987).
4. *Determination of electroweak parameters from the elastic scattering of muon neutrinos and antineutrinos on electrons*, L.A. Ahrens, *et al.*, (Brookhaven E734 Collaboration), Phys. Rev. **D41** 3297-3316, (1990).
5. *Real-time, directional measurement of ^8B solar neutrinos in the Kamiokande II detector*, K.S. Hirata, *et al.*, (Kamiokande II Collaboration), Phys. Rev. **D44**, 2241-60 (1991).
6. *Atmospheric ν_μ/ν_e Ratio in the multi-GeV Range*, Y. Fukuda, *et al.*, (Kamiokande II Collaboration), Phys. Lett. **B335**, 237-245 (1994).
7. *Measurement of the rate of $\nu_e + d \rightarrow p + p + e^-$ interactions produced by ^8B solar neutrinos at the Sudbury Neutrino Observatory*, Q.R. Ahmad *et al.* (the SNO Collaboration), Phys.Rev.Lett., **87** 071301/1-6 (2001).
8. *Direct evidence for neutrino flavor transformation from neutral-current interactions in the Sudbury Neutrino Observatory*, Q.R. Ahmad, *et al.* (The SNO Collaboration), Phys. Rev. Lett. **89** 011301/1-6 (2002).
9. *Measurement of day and night neutrino energy spectra at SNO and constraints on neutrino mixing parameters*, Q.R. Ahmad, *et al.* (The SNO Collaboration), Phys. Rev. Lett. **89** 011302/1-5 (2002).
10. *Electron energy spectra, fluxes, and day-night asymmetries of ^8B solar neutrinos from the 391-day salt phase SNO data set*, SNO Collaboration (B. Aharmim *et al.*), 45 pages, arXiv.org: nucl-ex/0502021, Phys.Rev. **C72**, 055502/1-45 (2005).