

## Laurence Littenberg

### Contact Information:

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### Education

Ph.D.: Department of Physics, University of California, San Diego, 1969.

M.S.: Department of Physics, University of California, San Diego, 1965.

A.B.: Department of Physics, Cornell University, 1963.

### Professional Experience

2007–present: Associate Chair for HEP, BNL Physics Department

1989–present: Senior Physicist, BNL Physics Department

1977–1989: Physicist, BNL Physics Department

1974–1977: Associate Physicist, BNL Physics Department

1970–1974: Senior Research Associate, Daresbury Laboratory

1969–1970: Research Associate, University of California, San Diego

1963–1969: Research Assistant, University of California, San Diego

### Honors, Awards and Committees

2011: W.K.H. Panofsky Prize

2000: Brookhaven Science & Technology Award

1990: APS Fellow

1990–1993: Member of HEPAP

1989–1990: Member of HEPAP sub-panel on the U.S. High Energy Physics Research Program for the 1990's

### Research Interests and Activities

- Neutral Kaon Decay (1965–1969)
- Photoproduction (1970–1974)
- Neutral Kaon Decay (1974–1980)
- New Particle Searches (1979–1983)
- Rare Kaon Decay (1983–2008)
- Neutrino Oscillations (2005–present)

### Laurence Littenberg's Most Significant Publications

1. L.S. Littenberg et al., "Test of the  $\Delta S = \Delta Q$  rule in neutral  $K \rightarrow \pi e \bar{\nu}$  decay", Phys. Rev. Lett. 22:654 (1969).
2. Study of the Decay  $K_L \rightarrow \pi^+ \pi^- \gamma$ , A.S. Carroll et al., Phys. Rev. Lett. 44:529 (1980).
3. I. Hinchliffe & L. Littenberg, "Phenomenological Consequences of Supersymmetry", Proc. of DPF Summer Study 1982 (1982).
4. W.Y. Keung & L. Littenberg, "Test of Supersymmetry in e- e- Collision", Phys. Rev. D28 :1067 (1983).
5. L. Littenberg, "The CP Violating Decay  $K_L \rightarrow \pi^0 \nu \bar{\nu}$ ", Phys. Rev. D39 :3322 (1989).
6. S. Adler et al., "Evidence for the decay  $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ ", Phys. Rev. Lett. 79:2204 (1997).
7. S. Adler et al., "Further evidence for the decay  $K \rightarrow \pi^+ \nu \bar{\nu}$ ", Phys. Rev. Lett. 88:041803 (2002).
8. S. Adler et al., "Measurement of the  $K^+ \rightarrow \pi^+ \nu \bar{\nu}$  branching ratio", Phys. Rev. D77 :052003 (2008).