

Faculty Directory

The College

AS News

Carl



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**Physics Department**  
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**Curriculum Vitae**

**Personal Web Page**

Rosenzweig  
Professor of Physics

# Research Interests

- Connections between microphysics and cosmology.
- Non standard models of the Higgs Boson at LHC.
- Confinement in QCD and field theory.

## Education

1972	Ph.D. in Physics Harvard University
1967	M.S. in Physics Polytechnic Institute of NY, Brooklyn
1967	B.S. in Physics Polytechnic Institute of NY, Brooklyn

## Selected Publications

Have Mesons Composed of Charmed Diquarks Been Discovered? Phys. Rev. Let. 36, 697 (1976).

Dual Topological Unitarization: An Ordered Approach to Hadron Theory; with G.F.Chew, Phys. Reports 41, no. 5 (1978).

Is the Effective Lagrangian for QCD a Sigma Model? with J. Schechter and G. Trahern, Phys. Rev. D21, 3388 (1980).

QCD Vacuum as a Chromomagnetic Superconductor: Microscopic Physics; with V.P. Nair, Phys. Rev. D31, 401 (1985).

Stability of Black Hole Horizons and the Landau Ghost; with J. Beckenstein, Phys. Rev. D50, 7239 (1994).

# Directories

Arts and Sciences  
Faculty

Full Time Faculty, By  
Department

Instructors, By  
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Humanities Faculty  
Fellows

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Physics

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Syracuse University  
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## Research Spotlight



Prof. Rosenzweig is responsible for the Physics section of **Syracuse University Project Advance**, a cooperative partnership linking Syracuse University with secondary schools.

