

Sid Drell and Particle Physics

A Brief Bibliography

M. E. Peskin
July 31, 1998

S. M. Dancoff and S. D. Drell

‘Electrostatic Scattering of Neutrons’

Phys. Rev. 76, 205 (1949)

S. D. Drell

‘Quantum Electrodynamics at Short Distances’

Ann. Phys. 4, 75 (1958)

J. D. Bjorken, S. D. Drell, and S. Frautschi

‘Wide Angle Pair Production and
Quantum Electrodynamics at Short Distances’

Phys. Rev. 112, 1409 (1958)

S. D. Drell, H. M. Foley, and M. Ruderman

‘Drag and Propulsion of Large Satellites
in the Ionosphere: An Alfven Propulsion
Engine in Space’

Phys. Rev. Lett. 14, 171 (1965)

S. D. Drell and H. R. Pagels

‘Anomalous Magnetic Moment of the
Electron, Muon, and Nucleon’

Phys. Rev. 140, 397 (1965)

S. D. Drell and A. C. Hearn

‘Exact Sum Rule for
Nucleon Magnetic Moments’

Phys. Rev. Lett. 16, 908 (1966)

S. D. Drell, D. J. Levy, and T.-M. Yan

‘Theory of Deep-Inelastic Lepton-Nucleon
Scattering and Lepton Pair-Annihilation
Processes’

Phys. Rev. 187, 2159 (1969),

D1, 1035, 1617, 2402 (1970)

S. D. Drell and T.-M. Yan

‘Massive Lepton Pair Production in
Hadron-Hadron Collisions at High Energies’

Phys. Rev. Lett. 25, 316 (1970)

S. D. Drell, N. M. Kroll, M. T. Mueller,
S. J. Parke, and M. A. Ruderman

‘Energy Loss of Slowly Moving
Magnetic Monopoles in Matter’

Phys. Rev. Lett. 50, 644 (1983)

R. Blankenbecler and S. D. Drell

‘Quantum Treatment of Beamstrahlung’

Phys. Rev. D36, 277 (1987)

Most importantly,

as a leader and mentor of researchers,

Sid Drell was the champion of

- 1.) The Photon
- 2.) Quantum Field Theory
- 3.) Free Inquiry