

Abstract Submitted
for the APR07 Meeting of
The American Physical Society

Glons and Quarks Imprisoned by QCD Forces CARL CASE, Case Consulting — Massless quarks and gluons with synchronized velocities can trigger chiral symmetry breaking. Countervailing color currents lead to total cancellation of the color electric fields. Dirac equation solutions: (a) indicate how chiral symmetry is broken; (b) explain how flavors arise; (c) illustrate how quarks and gluons acquire mass; (d) shed light on proton spin structure; and (e) provide a power law pattern for the quark masses.

Carl Case
Case Consulting

Date submitted: 12 Jan 2007

Electronic form version 1.4