



Review

Quantum Chromodynamics — The perfect Yang–Mills gauge field theory

David Gross

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Research Papers

New results at LHC confirming the vacuum stability and Multiple Point Principle

L. V. Laperashvili, H. B. Nielsen, C. R. Das

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RG flow of AC conductivity in soft wall model of QCD

Neha Bhatnagar, Sanjay Siwach

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Mixing of fermions and spectral representation of propagator

A. E. Kaloshin, V. P. Lomov

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General rule for boundary conditions from the action principle

Roe Steiner

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Quons in a quantum dissipative system

Taejin Lee

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$SO(10)$ grand unification in light of recent LHC searches and colored scalars at the TeV-scale

Ufuk Aydemir

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Boundary conditions, gauge fixing ambiguities and exact expectation values in $U(1)$ lattice gauge theory

Carlos Pinto

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Composite scalar dark matter from vector-like $SU(2)$ confinement

Roman Pasechnik, Vitaly Beylin, Vladimir Kuksa, Grigory Vereshkov

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