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Altri autori (Persone)	GribovV. N (Vladimir N.) DokshitzerYuri LevaiP <1962-> (Peter) NyiriJ <1939-> (Julia)
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Soggetti	Strong interactions (Nuclear physics) Quarks Hadron interactions
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Nota di contenuto	CONTENTS; Preface; REMEMBERING VOLODYA Remembering Volodya; Memories of Volodya; Memory Sketch to V. N. Gribov's Portrait; The High Energy Gribov: Some Recollections; QCD AND HADRONS AT HIGH ENERGIES Dynamics of pp Collisions at Small Impact Parameters Universality of Cross Sections of Hadron-Hadron Collisions and Critical Phenomena at Superhigh Energies Hidden QCD Scales and Diquark Correlations; AGK Rules in Perturbative QCD ; Complex Angular Momenta and the Problem of Exotic States From $n \rightarrow 2n$ to Handedness in $n \rightarrow 3n$ Matching NLO QCD with Parton Showers; Soft Gluon Emission at Large Angles; When Partons aren't Particles: The Collins Mechanism for Single Spin Asymmetries;

Diffractive Processes at the LHC

Why the Real Part of the Proton-Proton Scattering Amplitude should be Measured at the LHC
Diffraction Processes as a Tool for Searching for New Physics; Non-Perturbative Yang-Mills from Super-symmetry and Strings or in the Jungles of Strong Coupling

Multiple Interactions and Saturation in High Energy Collisions From Quantum Black Holes to Relativistic Heavy Ions; High Energy Scattering in QCD: Dipole Approach with Pomeron Loops; Gribov Approach to Nuclear Shadowing and Collisions of Heavy Ions
Gribov Reggeon Calculus DGLAP Equation and Integrability

Sommario/riassunto

Vladimir Naumovich Gribov was one of the most outstanding theorists, a key figure in the creation of the modern elementary particle physics. His many discoveries are famous and well accepted by the physics community (Gribov-Regge theory of high energy hadron interactions, Gribov vacuum pole - Pomeron, Reggeon field theory, parton evolution equations, neutrino oscillations, Gribov copies in non-Abelian gauge field theories, etc.); Some of his ideas look unacceptable and strange at the first glance. Even at the second glance. Nowadays, under the weight of new theoretical developments
