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Nota di contenuto	1. Nuclotron-based ion collider facility (NICA) / I. Meshkov, A. Sissakian and A. Sorin -- 2. The Multipurpose Detector (MPD) / V. D. Kekelidze, A. N. Sissakian and A. S. Sorin -- 3. On the first order phase transitions signal in multiple production processes / J. Manjavidze and A. Sissakian -- 4. Bose-Einstein condensation in very high multiplicity events / V. V. Begun and M. I. Gorenstein -- 5. Observation of a resonance-like structure in the invariant mass spectrum of two photons from pC- and dC-interactions / Kh. U. Abraamyan ... [et al] -- 6. Correlation radii from fast hadron freeze-out generator / Iu. A. Karpenko ... [et al.] -- 7. High P-[symbol] features of z-scaling at RHIC and Tevatron / M. V. Tokarev, I. Zborovsky and T. G. Dedovich -- 8. Quarkonia measurements in heavy-ion collisions in CMS / O. L. Kodolova -- 9. Bose-Einstein correlations of neutral gauge bosons in pp collisions / G. A. Kozlov -- 10. Bose-Einstein correlations and the stochastic scale of light hadrons emitter source / G. A. Kozlov -- 11. Pion multiplicities at high energy proton nuclear collisions in frames of Reggeon action / E. A. Kuraev, S. Bakmaev and E. N. Antonov -- 12. Rbec analysis and the cascade model / V. Roinishvili -- 13. J/[symbol] electroproduction in a dual model / R. Fiore ... [et al.].

Sommario/riassunto

This proceedings volume provides a comprehensive overview of the selected reports given at the International Workshops on Very High Multiplicity Physics from 2000 through 2007. These include results of original investigations dedicated to very high multiplicity processes, collective phenomena in quark gluon plasma, correlator analyses, polarization effects, and pion gas condensation, among others. The greater part of the material is devoted to basic technical aspects of the NICA/MPD project. Essential attention is paid to predictions of the multiperipheral model, perturbative QCD, physics of s
