

"ghosts" and the big bang theory

Koryukin V., Koryukin A.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2018 Published under licence by IOP Publishing Ltd. We propose to use the second principle of thermodynamics and the quatum chromodynamics for the description of processes going in the Universe. Besides we give the large significance to matter properties in the degenerate state and specifically to the spontaneous breaking of symmetry.

<http://dx.doi.org/10.1088/1742-6596/1051/1/012034>

References

- [1] Blokhintsev D I 1987 Printsipinal'nye voprosy kvantovoj mekhaniki (Moscow: Nauka)
- [2] Yndurain F J 1983 Quantum Chromodynamics: An Introduction to the theory of Quarks and Gluons (New York, Berlin, Heidelberg, Tokyo: Springer-Verlag)
- [3] Koryukin V M 1990 Sov. J. Nucl. Phys. 52 573
- [4] Koryukin V M and Koryukin A V 2016 Proc. Int. Meeting on Physical Interpretations of Relativity Theory "PIRT-2015" (Moscow) 220
- [5] Koryukin V M 2011 Proc. XX Int. Baldin Seminar on High Energy Physics Problems: Relativistic Nuclear Physics and Quantum Chromodynamics 34
- [6] March N H and Parrinello M 1982 Collective Effects in Solids and Liquids (Bristol: Adam Hilger Ltd)