



## FTPI Preprints - 2003

01. "Variation of the Relative Yield of Charged and Neutral B Mesons across the  $\rho(4s)$  Resonance," M.B. Voloshin [hep-ph/0301076]
02. "TASI Lectures on Dark Matter," K.A. Olive [astro-ph/0301505]
03. "Direct Detection of Dark Matter in the MSSM with Non-Universal Higgs Masses," J. Ellis, A. Ferstl, K.A. Olive, Y. Santoso [hep-ph/0302032]
04. "Exact Results in Non-Supersymmetric Large N Orientifold Field Theories," A. Armoni, M. Shifman [hep-th/0302163]
05. "Primordial Nucleosynthesis in Light of WMAP," R.H. Cyburt, B.D. Fields, K.A. Olive [astro-ph/0302431]
06. "The Enhancement of the Decay  $U(1D) \rightarrow hU(1S)$  by the Axial Anomaly in QCD," M.B. Voloshin [hep-ph/0302261]
07. "Supersymmetric Dark Matter in Light of WMAP," J. Ellis, K.A. Olive, Y. Santoso, V. Spanos [hep-ph/0303043]
08. "The Cosmological Constant and Domain Walls in Orientifold Field Theories and N=1 Gluodynamics," A. Armoni, M. Shifman [hep-th/0303109]
09. "Higgs Boson Couplings to Quarks with Supersymmetric CP and Flavor Violations," Durmush Demir [hep-ph/0303249]
10. "On K-String Tensions and Domain Walls in N=1 Gluodynamics," A. Armoni, M. Shifman [hep-th/0304127]
11. "Remarks on the Decays  $cbJ \rightarrow wU$ ," M.B. Voloshin [hep-ph/0304165]
12. "Phenomenological Constraints on Patterns of Supersymmetry Breaking," J. Ellis, K.A. Olive, Y. Santoso, V. Spanos [hep-ph/0305212]
13. "Black Holes from Particle Collisions at Trans-Planckian Energies?" M.B. Voloshin [Proceedings of the Int. Conference "Pomeranchuk and Physics at the Turn of Centuries", Moscow, Jan. 24 - 28, 2003 (to be published)]
14. "CP Violation in Supersymmetric U(1) Models," D. Demir, L. Everett [hep-ph/0306240]
15. "Remarks On Stable and Quasistable K-Strings at Large N," A. Armoni, M. Shifman [hep-th/0307020]
16. "WMAP Benchmarks for Supersymmetry," M. Battaglia, A. De Roeck, J.R. Ellis, F. Gianotti, K.A. Olive, L. Pape [hep-ph/0306219]

17. "The MSSM with Nonuniversal Higgs Masses," Yudi Santoso [hep-ph/0307356]
18. "SUSY Relics in One Flavor QCD from a New  $1/N$  Expansion," A. Armoni, M. Shifman, G. Veneziano [hep-th/0307097]
19. "A Higgs Mechanism for Graviton that Guarantees Analyticity and Unitarity," G. Gabadadze, M. Shifman []
20. "SUGRA Dark Matter," K. Olive [hep-ph/0308035]
21. "High Energy Constraints on the Direct Detection of MSSM Neutralinos," J. Ellis, K.A. Olive, Y. Santoso, V. Spanos [hep-ph/0308075]
22. "CP Asymmetries in Penguin-induced B Decay in General Left-Right Models," Soo-hyeon Nam [hep-ph/0308161]
23. "QCD Quark Condensate from SUSY and the Orientifold Large  $N$  Expansion," A. Armoni, M. Shifman, G. Veneziano [hep-th/0309013]
24. "The Chemical Evolution of Mg Isotopes and the Time Variation of the Fine Structure Constant," R. Ashentelner, G.J. Mathews, K. Olive [astro-ph/09197]
25. "Re-examination of the  $^{187}\text{Re}$  Bound to the Variation of Fundamental Couplings," K.A. Olive, M. Pospelov, Y. Qian, G. Manhes, E. Vangioni-flam, A. Coc, M. Casse [astro-ph/0309252]
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27. "Interference and Binding Effects in Decays of Possible Molecular Component of  $X(3872)$ ," M.B. Voloshin [hep-ph/0309307]
28. "Likelihood Analysis of the CMSSM Parameter Space," J. Ellis, K. Olive, Y. Santoso, V.C. Spanos [hep-ph/0310356]
29. "Stringy Profiles of Gauge Field Tadpoles Near Orbifold Singularities: I. Heterotic String Calculations," S. Groot Nibbelink, M. Laidlaw [hep-th/0311013]
30. "Stringy Profiles of Gauge Field Tadpoles Near Orbifold Singularities: II. Field Theoretical Implications," S. Groot Nibbelink, M. Laidlaw [hep-th/0311015]
31. "Phantom Cosmologies," V.B. Johri [astro-ph/0311293]
32. "The Quark-Hadron Duality," M. Shifman [Proceedings of the International Workshop on QCD "QCD@Work 2003" Conversano, Italy, 14-18 June 2003, Bari University Press, Bary, Italy.]
33. "The Photon Spectrum in Orthopositronium Decay at  $wg \ll me$ ," M.B. Voloshin [hep-ph/0311204]
34. "Electric Dipole Moment in the MSSM at Large  $\tan b$ ," D. Demir, O. Lebedev, K. Olive, M. Pospelov, A. Ritz []
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44. "Electron Transport in Granular Metals," A. Altland, L.I. Glazman, A. Kamenev [cond-mat/0305246]
45. "Quantum Phase Transition in a Two-channel-Kondo Quantum Dot Device," M. Pustilnik, L. Borda, L.I. Glazman, J. von Delft [cond-mat/0309646]
46. "Triangle Anomaly and the Muon  $g-2$ ," A. Czarnecki, W.J. Marciano, A. Vainshtein [hep-ph/0310276]