PHYSICAL REVIEW D

For editorial and subscription correspondence, please see inside front cover
(ISSN: 0556-2821)

PERIODICALS
Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 62, NUMBER 6 ***CONTENTS*** **15 SEPTEMBER 2000**

RAPID COMMUNICATIONS

Spherical scalar field halo in galaxies *(4 pages)* . . . . . 061301(R)
Tonatiuh Matos, F. Siddhartha Guzmán, and Darío Núñez
Gravitating BIon and BIon black hole with a dilaton *(5 pages)* . . . . . 061501(R)
Takashi Tamaki and Takashi Torii

ARTICLES

Sensitivity curves for spaceborne gravitational wave interferometers *(10 pages)* 062001
Shane L. Larson, William A. Hiscock, and Ronald W. Hellings
Calculation methods for radio pulses from high energy showers *(9 pages)* 063001
J. Alvarez-Muñiz, R. A. Vázquez, and E. Zas
Observational test of quantum cosmology *(9 pages)* 063501
Steven Gratton, Thomas Hertog, and Neil Turok
Gravitational waves in open de Sitter space *(10 pages)* 063502
S. W. Hawking, Thomas Hertog, and Neil Turok
Degree of scale invariance of inflationary perturbations *(7 pages)* 063503
Dragan Huterer and Michael S. Turner
Primordial black holes under the double inflationary power spectrum *(7 pages)* 063504
Hee Il Kim
Dynamical evolution of the Universe in the quark-hadron phase transition and nugget formation *(5 pages)* . . . 063505
Deepak Chandra and Ashok Goyal
Mirror dark matter and galaxy core densities *(5 pages)* 063506
Rabindra N. Mohapatra and Vigdor L. Teplitz
Photon mixing in universes with large extra dimensions *(28 pages)* 063507
Cédric Deffayet and Jean-Philippe Uzan
Enlarged quintessence cosmology *(9 pages)* 063508
Luis P. Chimento, Alejandro S. Jakubi, and Diego Pavón
Thermalization after inflation and reheating temperature *(8 pages)* 063509
Rouzbeh Allahverdi
Lensing of the CMB: Non-Gaussian aspects *(11 pages)* 063510
Matias Zaldarriaga
New dark matter physics: Clues from halo structure *(13 pages)* 063511
Craig J. Hogan and Julianne J. Dalcanton
Post-inflationary reheating *(13 pages)* 063512
A. B. Henriques and R. G. Moorhouse
Can geodesics in extra dimensions solve the cosmological horizon problem? *(7 pages)* 063513
Daniel J. H. Chung and Katherine Freese

Copyright 2000 by The American Physical Society

(Continued)

0556-2821(20000915)62:6;1-V