

CONTENTS - Continued

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 59, NUMBER 12

15 JUNE 1999

Reconstructing projected matter density power spectrum from cosmic microwave background (15 pages)	123507
Matias Zaldarriaga and Uroš Seljak	
Early time perturbations behavior in scalar field cosmologies (14 pages)	123508
Francesca Perrotta and Carlo Baccigalupi	
Cosmological consequences of string-forming open inflation models (8 pages)	123509
P. P. Avelino, R. R. Caldwell, and C. J. A. P. Martins	
Cosmological scaling solutions of nonminimally coupled scalar fields (10 pages)	123510
Jean-Philippe Uzan	
Quantum kinetic equation and cosmic pair annihilation (30 pages)	123511
Sh. Matsumoto and M. Yoshimura	
Correlated adiabatic and isocurvature perturbations from double inflation (11 pages)	123512
David Langlois	
Perdurance of multiply connected de Sitter space (13 pages)	123513
Pedro F. González-Díaz	
Electrons and γ rays from near-solar supersymmetric dark matter annihilations (4 pages)	123514
Steven C. Strausz	
Lagrangian description of fluid flow with vorticity in relativistic cosmology (5 pages)	123515
Hideki Asada and Masumi Kasai	
Topological entropy for some isotropic cosmological models (8 pages)	123516
A. Yu. Kamenshchik, I. M. Khalatnikov, S. V. Savchenko, and A. V. Toporensky	
Must quantum spacetimes be Euclidean? (14 pages)	123517
N. Pinto-Neto and E. Sergio Santini	
Fully anisotropic string cosmologies, Maxwell fields, and primordial shear (13 pages)	123518
Massimo Giovannini	
Unitary and nonunitary evolution in quantum cosmology (14 pages)	123519
S. Massar and R. Parentani	
Big bang nucleosynthesis limit on N_ν (11 pages)	123520
E. Lisi, S. Sarkar, and F. L. Villante	
Relation between tunneling and particle production in vacuum decay (9 pages)	123521
Laura Mersini	
CMB in open inflation (8 pages)	123522
Andrei Linde, Misao Sasaki, and Takahiro Tanaka	
Instant preheating (7 pages)	123523
Gary Felder, Lev Kofman, and Andrei Linde	
Exact universal gravitational lensing equation (5 pages)	124001
Simonetta Frittelli and Ezra T. Newman	
Null cones in Schwarzschild geometry (13 pages)	124002
Thomas P. Kling and Ezra T. Newman	
Dual description of supergravity MacDowell-Mansouri theory (6 pages)	124003
H. García-Compeán, J. A. Nieto, O. Obregón, and C. Ramirez	
Analytic solutions of the Wheeler-DeWitt equation in spherically symmetric space-time (6 pages)	124004
Masakatsu Kenmoku, Hiroto Kubotani, Eiichi Takasugi, and Yuki Yamazaki	
Black holes and the SYM phase diagram. II (9 pages)	124005
Emil Martinec and Vatche Sahakian	
Charging symmetries and linearizing potentials for heterotic string in three dimensions (11 pages)	124006
Alfredo Herrera-Aguilar and Oleg V. Kechkin	
Thermodynamics of Reissner-Nordström-anti-de Sitter black holes in the grand canonical ensemble (11 pages) . . .	124007
Claudia S. Peça and José P. S. Lemos	
Simulating four-dimensional simplicial gravity using degenerate triangulations (4 pages)	124008
Sven Bilke and Gudmar Thorleifsson	

(Continued)