

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
500 Sunnyside Boulevard
Woodbury, NY 11797-2999

THIRD SERIES, VOLUME 56, NUMBER 10

CONTENTS

15 NOVEMBER 1997

RAPID COMMUNICATIONS

Phases of massive scalar field collapse	R6057
Patrick R. Brady, Chris M. Chambers, and Sérgio M. C. V. Gonçalves	
Propagation of gravitational waves from slow motion sources in a Coulomb-type potential	R6062
Hideki Asada and Toshifumi Futamase	
General solution for self-gravitating spherical null dust	R6067
Aleksandar Miković	
Do static sources outside a Schwarzschild black hole radiate?	R6071
Atsushi Higuchi, George E. A. Matsas, and Daniel Sudarsky	
All consistent interactions for exterior form gauge fields	R6076
Marc Henneaux and Bernard Knaepen	

ARTICLES

Search for gravitational radiation from Supernova 1993J	6081
E. Mauceli, Z. K. Geng, W. O. Hamilton, W. W. Johnson, S. Merkwitz, A. Morse, N. Solomonson, P. Astone, M. Bassan, P. Bonifazi, P. Carelli, E. Coccia, C. Cosmelli, V. Fafone, S. Frasca, I. Modena, P. Modestino, G. V. Pallottino, G. Pizzella, P. Rapagnani, F. Ricci, R. Terenzi, and M. Visco	
Scattered light noise in gravitational wave interferometric detectors: A statistical approach	6085
Jean-Yves Vinet, Violette Brisson, Stefano Braccini, Isidoro Ferrante, Laurent Pinard, François Bondu, and Eric Tournié	
Relic abundance of light photinos	6096
Daniel J. H. Chung, Glennys R. Farrar, and Edward W. Kolb	
Solutions to the solar neutrino anomaly	6107
Naoya Hata and Paul Langacker	
Resonant spin-flavor precession of neutrinos and pulsar velocities	6117
E. Kh. Akhmedov, A. Lanza, and D. W. Sciama	
Conditions that lead to a self-similar power spectrum	6125
Hang Zhang and Xiao-qing Li	
Perturbations in a stringlike fluid	6128
Júlio César Fabris and Sérgio Vitorino de Borba Gonçalves	
Evolution of the order parameter after bubble collisions	6133
Edward W. Kolb, Antonio Riotto, and Igor I. Tkachev	
High-resolution analysis of cold and hot dark matter in cosmic string wakes	6139
A. Sornborger	
Speculations on primordial magnetic helicity	6146
John M. Cornwall	
Baryogenesis during reheating in natural inflation and comments on spontaneous baryogenesis	6155
Alexandre Dolgov, Katherine Freese, Raghavan Rangarajan, and Mark Srednicki	
Constraints on the density perturbation spectrum from primordial black holes	6166
Anne M. Green and Andrew R. Liddle	
Structure of resonance in preheating after inflation	6175
Patrick B. Greene, Lev Kofman, Andrei Linde, and Alexei A. Starobinsky	

(Continued)



0556-2821(19971115)56:10;1-K