

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 54, NUMBER 8

CONTENTS

15 OCTOBER 1996

RAPID COMMUNICATIONS

- Can the simplest two-field model of open inflation survive? R4705
Misao Sasaki and Takahiro Tanaka
- Superpotential from black holes R4709
Renata Kallosh

ARTICLES

- Constraints on the strength of primordial magnetic fields from big bang nucleosynthesis reexamined 4714
Baolian Cheng, Angela V. Olinto, David N. Schramm, and James W. Truran
- Cauchy-characteristic evolution of Einstein-Klein-Gordon systems 4719
Roberto Gómez, Pablo Laguna, Philippos Papadopoulos, and Jeff Winicour
- Dynamics of scalar fields in the background of rotating black holes 4728
William Krivan, Pablo Laguna, and Philippos Papadopoulos
- Speed meter as a quantum nondemolition measuring device for force 4735
F. Ya. Khalili and Yu. Levin
- Anderson localization in the sky and the cosmological magnetic field 4738
Akio Hosoya and Shiho Kobayashi
- Perturbation spectrum of an expanding fluid with negligible initial power on small scales 4744
Hang Zhang, Xiao-qing Li, and He-qi Zhang
- Cosmic microwave background non-Gaussian signatures from analytical texture models 4750
Alejandro Gangui and Silvia Mollerach
- Photon-graviton conversion in a primordial magnetic field and the cosmic microwave background 4757
Analía N. Cillis and Diego D. Harari
- Reconciling inflation with openness 4760
Luca Amendola, Carlo Baccigalupi, and Franco Occhionero
- Bubble fluctuations in $\Omega < 1$ inflation 4764
Jaume Garriga
- Subcritical fluctuations at the electroweak phase transition 4770
Rudnei O. Ramos
- Gravitational lensing by cosmic string loops 4780
Andrew A. de Laix and Tanmay Vachaspati
- Constant mean curvature slices and trapped surfaces in asymptotically flat spherical spacetimes 4792
Mirta Iriondo, Edward Malec, and Niall Ó Murchadha
- Trapped surfaces in cosmological spacetimes 4799
Edward Malec and Niall Ó Murchadha
- Exact quantum states for the diagonal Bianchi type IX model with negative cosmological constant 4805
Robert Paternoga and Robert Graham
- Gravitational radiation from compact binary systems: Gravitational waveforms and energy loss to second post-Newtonian order 4813
Clifford M. Will and Alan G. Wiseman
- Implementing an apparent-horizon finder in three dimensions 4849
Thomas W. Baumgarte, Gregory B. Cook, Mark A. Scheel, Stuart L. Shapiro, and Saul A. Teukolsky

(Continued)



0556-2821(19961015)54:8;1-3