

CONTENTS - *Continued*

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 53, NUMBER 8

15 APRIL 1996

Event horizons in numerical relativity: Methods and tests	4335
Joseph Libson, Joan Massó, Edward Seidel, Wai-Mo Suen, and Paul Walker	
Colliding waves with noncollinear polarization in Einstein-Maxwell-dilaton-axion theory	4351
Alberto García and Nora Bretón	
Quantum formation of black holes and wormholes in the gravitational collapse of a dust shell	4356
Kouji Nakamura, Yoshimi Oshiro, and Akira Tomimatsu	
Quantization of the reduced phase space of two-dimensional dilaton gravity	4366
Werner M. Seiler and Robin W. Tucker	
Quantum-invariant theory and the evolution of a quantum scalar field in Robertson-Walker flat spacetimes	4374
Xiao-Chun Gao, Jun Gao, Tie-Zheng Qian, and Jing-Bo Xu	
Detecting the rotating quantum vacuum	4382
Paul C. W. Davies, Tevian Dray, and Corinne A. Manogue	
Off-diagonal elements of the DeWitt expansion from the quantum-mechanical path integral	4388
F. A. Dilkes and D. G. C. McKeon	
About the significance of quasinormal modes of black holes	4397
Hans-Peter Nollert	
Black holes and gravitational effects in two-dimensional dilaton gravity	4403
M. A. Ahmed	
Trace anomaly and the Hawking effect in generic two-dimensional dilaton gravity theories	4413
Mariano Cadoni	
Can a “natural” three-generation neutrino mixing scheme satisfy everything?	4421
Christian Y. Cardall and George M. Fuller	
Effective average action of Chern-Simons field theory	4430
M. Reuter	
Anyonic Bogomol’nyi solitons in a gauged $O(3)$ σ model	4436
Kyoungtae Kimm, Kimyeong Lee, and Taejin Lee	
Boundary reflection matrices for nonsimply laced affine Toda field theories	4441
J. D. Kim	
Stochastic Hamiltonians for noncritical string field theories from double-scaled matrix models	4448
Fumihiko Sugino and Tamiaki Yoneya	
U -duality multiplets and nonperturbative superstring states	4489
Itzhak Bars and Shimon Yankielowicz	
Fermionic fluctuation corrections to bubble nucleation	4499
J. Baacke and A. Sürig	
Two phases of topologically massive compact $U(1)$ theory	4510
Ian I. Kogan and Alex Kovner	
Matching conditions and duality in $N=1$ SUSY gauge theories in the conformal window	4526
Ian I. Kogan, Mikhail Shifman, and Arkady Vainshtein	
Reduction of the N -component scalar model at the two-loop level	4538
Antal Jakovác	
High temperature phase transition in two-scalar theories	4552
S. Bornholdt, N. Tetradis, and C. Wetterich	
One-loop thermal field theory in three dimensions	4570
D. G. C. McKeon	
Electroweak baryogenesis in supersymmetric models	4578
Patrick Huet and Ann E. Nelson	
Bern-Kosower rule for scalar QED	4598
K. Daikouji, M. Shino, and Y. Sumino	
Interplay of universality classes in a three-dimensional Yukawa model	4616
E. Focht, J. Jersák, and J. Paul	

(Continued)