PHYSICAL REVIEW D **THIRD SERIES, VOLUME 54, NUMBER 6** **15 SEPTEMBER 1996**

Non-Abelian BF theories with sources and two-dimensional gravity 3861
J. P. Lupi, A. Restuccia, and J. Stephany
One-loop divergences in simple supergravity: Boundary effects 3869
Giampiero Esposito and Alexander Yu. Kamenshchik
Surface gravity in dynamical spherically symmetric spacetimes 3882
Gyula Fodor, Kouji Nakamura, Yoshimi Oshiro, and Akira Tomimatsu
Conserved masses in GHS Einstein and string black holes and consistent thermodynamics 3892
K. C. K. Chan, J. D. E. Creighton, and R. B. Mann
Black hole entropy: Statistical mechanics agrees with thermodynamics 3900
Sergey N. Solodukhin
Entropy of a quantum field in rotating black holes 3904
Min-Ho Lee and Jae Kwan Kim
Entropy and temperature of black 3-branes 3915
S. S. Gubser, I. R. Klebanov, and A. W. Peet
Formation and evaporation of primordial black holes in scalar-tensor gravity theories 3920
John D. Barrow and B. J. Carr
Conical geometry and quantum entropy of a charged Kerr black hole 3932
Robert B. Mann and Sergey N. Solodukhin
MSW effect in a fluctuating matter density 3941
A. B. Balantekin, J. M. Fetter, and F. N. Loreti
Irreversible thermodynamics of Kerr-Newman black holes 3952
Osamu Kaburaki
Innermost stable circular orbit of inspiraling neutron-star binaries: Tidal effects, post-Newtonian effects, and the neutron-star equation of state 3958
Dong Lai and Alan G. Wiseman
Four-loop vacuum energy β function in O(N) symmetric scalar theory 3965
Boris Kastening
K models and type IIB superstring backgrounds 3976
Alok Kumar and Gautam Sengupta
Bosonic description of spinning strings in $2+1$ dimensions 3981
B. Harms and A. Stern
Loop equations for loops with Ising spins either all up or all down in $c=1/2$ noncritical string theory 3985
Ryuichi Nakayama and Toshiya Suzuki
Universal aspects of string propagation on curved backgrounds 3995
Ioannis Bakas and Konstadinos Sfetsos
Radiation from an excited vortex in the Abelian Higgs model 4004
H. Arodź and L. Hadasz
Relaxation and kinetics in scalar field theories 4013
D. Boyanovsky, I. D. Lawrie, and D.-S. Lee
New relativistic high-temperature Bose-Einstein condensation 4029
L. Burakovsky, L. P. Horwitz, and W. C. Schieve
Ultraviolet renormalon reexamined 4039
A. I. Vainshtein and V. I. Zakharov
Influence of the full vertex and vacuum polarization on the fermion propagator in $(2+1)$-dimensional QED 4049
P. Maris
Effective theory for parity-conserving three-dimensional QED 4059
I. J. R. Aitchison, C. D. Fosco, and F. D. Mazzitelli
Chiral symmetry at finite temperature: Linear versus nonlinear σ models 4066
Alexander Bochkarev and Joseph Kapusta

(Continued)