

ERRATA

Regularization Dependence of the Lattice Higgs-Boson Mass Bound. GYAN BHANOT and KHALIL BITAR [Phys. Rev. Lett. **61**, 798 (1988)].

It has been pointed out to us¹ that our results² are correct only if they are rescaled. We used the fixed-length field to extract the mass and f_π . We should use instead the full "variable"-length field which differs by a factor $\sqrt{\beta}$. In addition, one also needs rescaling by a geometric factor α to reensure that the continuum kinetic-energy term has the canonical form. The complete rescaling necessary is $\phi \rightarrow \hat{\phi} = (\alpha\beta)^{1/2}\phi$. The parameters of the effective potential change according to $\lambda_r \rightarrow \lambda_r/\alpha^2\beta^2$, $f_\pi \rightarrow f_\pi(\alpha\beta)^{1/2}$, and $M \rightarrow M/(\alpha\beta)^{1/2}$. It is easy to see that $\alpha = 1, \frac{3}{2},$ and $7,$ respectively, for lattice

types $C, T,$ and C' . Figures 2 and 3 here are corrected versions of Figs. 2 and 3 and show the new results.

As is clear from Fig. 2, if the Higgs-boson mass bound is computed from the region where $M \sim 1$, there is about a (25-30)% effect due to the cutoff. Hence our main conclusion is unaltered by the rescaling: There is a large ambiguity in the mass bound on account of the choice of cutoff if the bound is computed near correlation lengths of order unity.

¹We thank Peter Hasenfraz for pointing this out to us.

²See also K. Bitar and G. Bhanot, in *Proceedings of the Lattice Higgs Workshop, Tallahassee, Florida, May 1988*, edited by B. Berg, G. Bhanot, M. Burbank, M. Creutz, and J. Owens (World Scientific, Singapore, 1988).

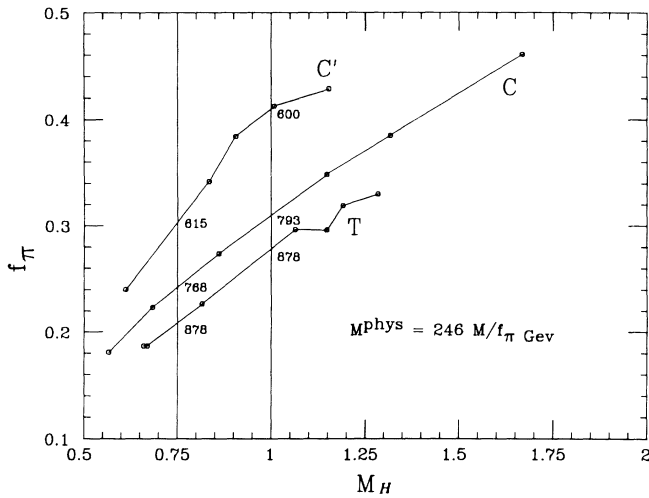


FIG. 2. f_π as a function of M_H from the infinite-volume extrapolation of η^2 (such as in Fig. 1). The numbers indicate the mass bounds obtained.

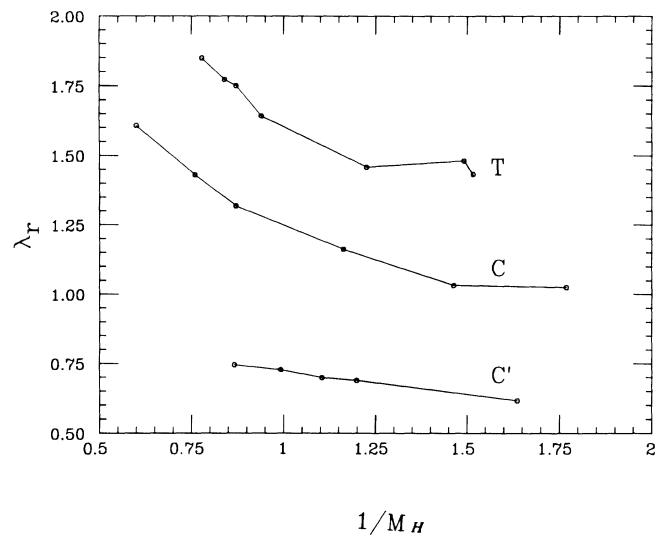


FIG. 3. λ_r vs $1/M_H$ from the infinite-volume extrapolation.

Measurement of the Resistivity in a Partially Degenerate, Strongly Coupled Plasma. R. L. SHEPHERD, D. R. KANIA, and L. A. JONES [Phys. Rev. Lett. **61**, 1278 (1988)].

Equation (3) is missing a factor of $1/\hbar$.

On page 1280, column 1, line 19, the statement "The average ionization \bar{Z} is provided by the theoretical calculation in Ref. 9..." should refer the reader to Ref. 11, which has been published as Phys. Rev. A **37**, 1284 (1988).