ERRATA

Like-Charged Gauge-Boson Pairs as a Probe of Electroweak Symmetry Breaking. MICHAEL S. CHANOWITZ and MITCHELL GOLDEN [Phys. Rev. Lett. 61, 1053 (1988)].

Because of a programming error we concluded incorrectly that $W^+W^++W^-W^-$ production by gluon exchange is a negligible background to production by strong WW scattering. Correcting the error we are in approximate agreement with results reported by Dicus and Vega¹ for the gluon-exchange contribution. In addition, the event rates reported in Table I lacked the cut $p_{\perp l} > 50$ GeV described in the text.

The corrected table below is of Superconducting Super Collider events per 10^{40} cm⁻² integrated luminosity, with the *W*'s decaying either to ev or μv . [We use $B(W \rightarrow ev) = \frac{1}{9}$ corresponding to three generations and $m_t > M_W$. If instead $m_t \approx 60$ GeV then $B(W \rightarrow ev)$ $\approx \frac{1}{10}$ and all entries would be reduced by $\sim 20\%$.] The cuts are $p_{\perp l} > 50$ GeV, $|y_l| < 2$, and $M_{WW} > 800$ GeV. The (theorist's) cut on M_{WW} is raised from the previous value of 500 GeV in order to control the gluon-exchange background which is shown in the table; it can be replaced by a set of cuts on observable quantities that have a similar effect on signal and background. Other possible sources of background are under study.

Mode	Eq. (2)	$M_H = 1 \text{ TeV}$	$M_H = 100 \text{ GeV}$	Background
<i>W</i> ⁺ <i>W</i> ⁺	41	14	0	9
W^-W^-	12	4	0	4

Rescaling QCD data gives numbers roughly half those of the model of Eq. (2). In all models the CERN Large Hadron Collider rates are an order of magnitude smaller.

¹D. Dicus and R. Vega, Phys. Lett. B 217, 194 (1989).