



On New Gauge Boson Signals According to the Littlest Higgs Model in Future e+ e- Colliders

http://www.firstlight.cn 2007-06-30

There is a recent proposal of identifying the Higgs particle of the Standard Model as a pseudo Nambu-Goldstone boson. This new brok en symmetry introduces new particles and new interactions. Among these new interactions a central role to get an experimental signal of a new physics is played by the new neutral gauge bosons, AH and ZH. We study the associated production of general new neutral gauge boson Z 0 and a hard photon in the process $e^+ + e^-_i$; $\mu^+ + \mu^-_i + g$. For MAH < ps we show that the hard photon energy distribution in $e^+ + e^-_i$; $g^+ + g^-$ f can present a model dependence and establish the theoretical origin of a new possible heavy neutral gauge boson.

<u>存档文本</u>

我要入编|本站介绍|网站地图|京ICP证030426号|公司介绍|联系方式|我要投稿 北京雷速科技有限公司 版权所有 2003-2008 Email: leisun@firstlight.cn