diquarks, axigluons and heavy vector bosons W and Z bosons, and the techi- $\rho$  in color octet models. The 95% C.L. lower mass limits range from 630 GeV/ $c^2$  for colorons to 1.25 TeV/ $c^2$  for axigluons. The dijet angular distribution has been used to extend the limits on the quark compositeness mass scale, ADD large extra dimensions and the TeV<sup>-1</sup> extra dimensions. The 95% C.L. lower limit on the compositeness mass scale is 2.8 TeV. The 95% C.L. lower limit for compactification mass scale in the TeV<sup>-1</sup> model is 1.5 TeV. The limits on the ADD large extra dimensions range from 1.9 TeV to 1.3 TeV depending on the number of extra dimensions in the HLZ formalism. The 95% C.L. in the GRW formalism is 1.6 TeV. In most cases, these are the best limits to date.

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- [9] Corcella G, et al. JHEP 0101:010 (2001)
- [10] Frixione S, Webber BR JHEP 0206:29 (2002)
- [11] Abulencia A, et al. J. Phys. G: Nucl. Part. Phys. 34:2457 (2007)
- [12] Abazov VM, et al. Nucl. Instrum. Methods Phys. Res. Sect. A 565:463 (2006)
- [13] Ellis RK, Stirling WJ, Webber BR QCD and Collider Physics, Cambridge Press. (1996)
- [14] Ellis SD, Kunszt Z, Soper DE Phys. Rev. Lett. 64:2121 (1990)
- [15] Giele WT, Glover EWN, Kosower DA Nucl. Phys. B 403:633 (1993)
- [16] Nagy Z Phys. Rev. D 68:094002 (2003)

Gross DJ, Wilczek F Phys. Rev. D 8:3633 (1973); Fritzsch H, Gell-Mann M, Leutwyler H
Phys. Lett. B 47:365 (1973); Politzer HD, Phys. Rev. Lett. 30:1346 (1973)

<sup>[2]</sup> Stenzel H Nucl. Phys. B (Proceedings Supplements) 152:23 (2006)

<sup>[3]</sup> Gwenlan C Acta. Phys. Polon. B 35:377 (2004)

<sup>[4]</sup> Fabjan C, McCubbin N Phys. Rep. 403:165 (2004)

<sup>[5]</sup> Blazey GC, Flaugher BL Annu. Rev. Nucl. Part. Sci. 49:633 (1999)

<sup>[6]</sup> Salam GP, arXiv:0906.1736v3 [hep-ph] 2 July 2009

 <sup>[7]</sup> Gribov VN, Lipatov LN Sov. J. Nucl. Phys 15:438 (1972); Altarelli G, Parisi G Nucl. Phys.
B 126:298 (1977); Dokshitzer Yu Sov. Phys. JETP 46:641 (1977)

<sup>[8]</sup> Sjöstrand T, et al. JHEP 0605:026 (2006)