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Massive Colour-Octet Bosons in Top-Quark Pair Production

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Strongly-coupling heavy gauge bosons are predicted in various extensions of the Standard Model. Examples are Kaluza-Klein gluons from extra dimensions or axigluons in models with an enlarged gauge symmetry. I report generic constraints from precision observables and direct production at the LHC. Given these constraints, I discuss the effects of massive colour-octet bosons in top-antitop-quark production. I show that the anomalously large forward-backward asymmetry can be consistently explained within a specific axigluon model

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