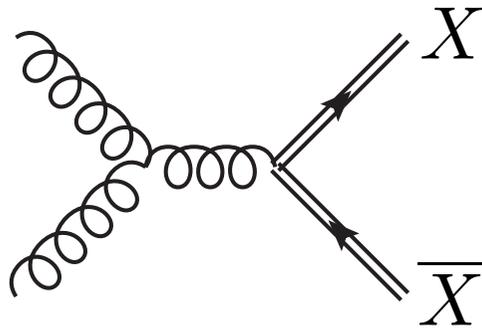


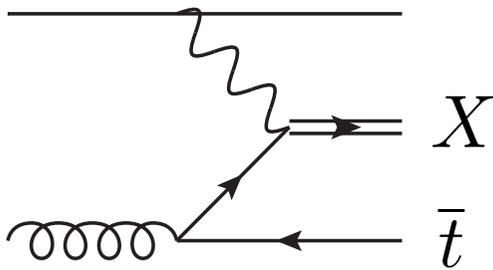
Top Partners at the LHC

De Simone, Matsedonski, Rattazzi, AW, 2012

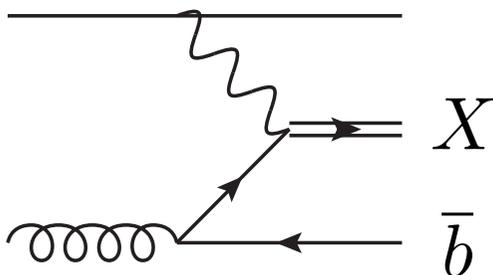
Three possible production mechanisms



QCD pair prod.
model indep.,
relevant at low mass



single prod. with t
model dep. coupling
pdf-favored at high mass

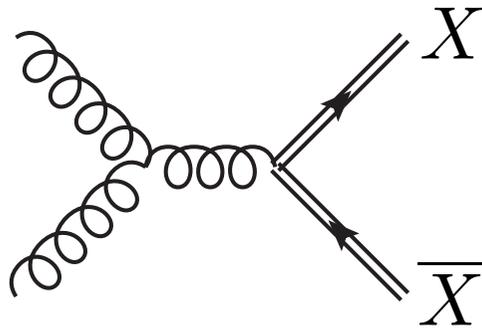


single prod. with b
favored by small b mass
dominant when allowed

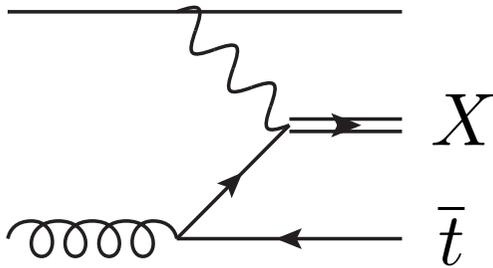
Top Partners at the LHC

De Simone, Matsedonski, Rattazzi, AW, 2012

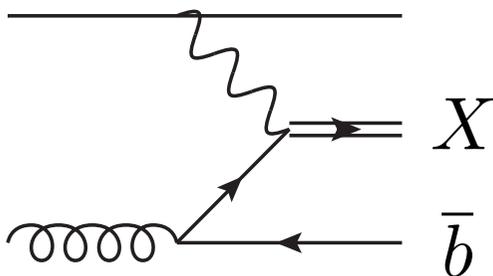
Three possible production mechanisms



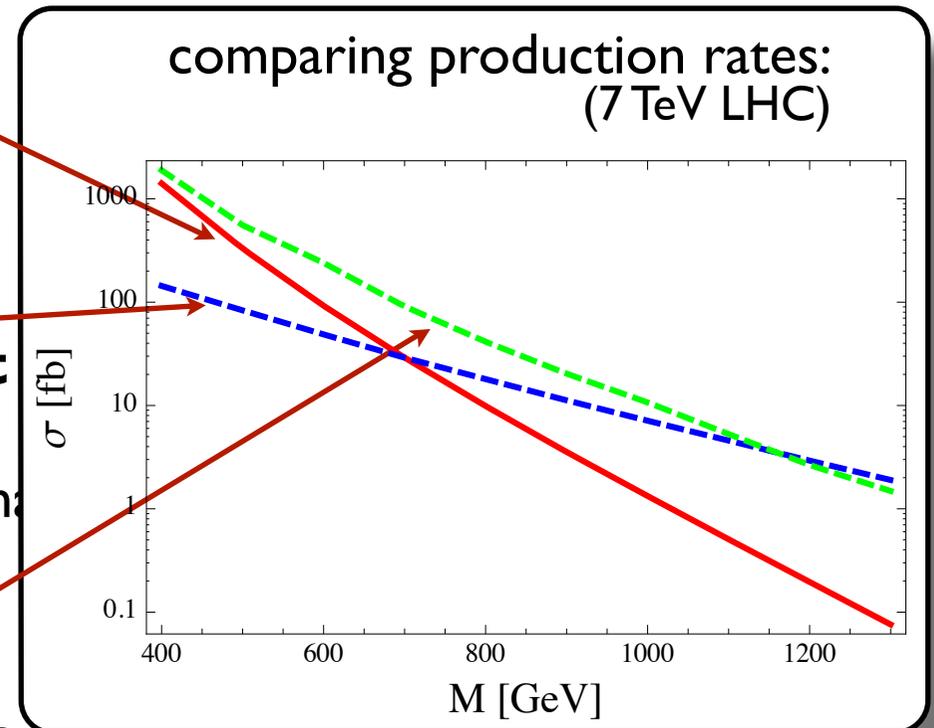
QCD pair prod.
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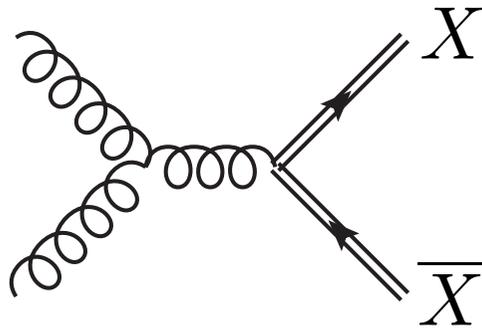
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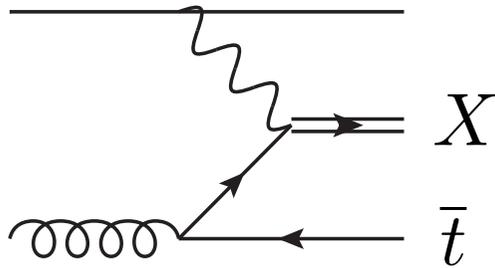
Top Partners at the LHC

De Simone, Matsedonski, Rattazzi, AW, 2012

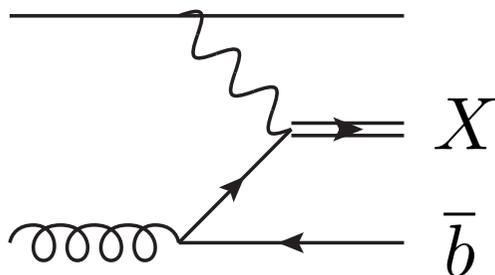
Three possible production mechanisms



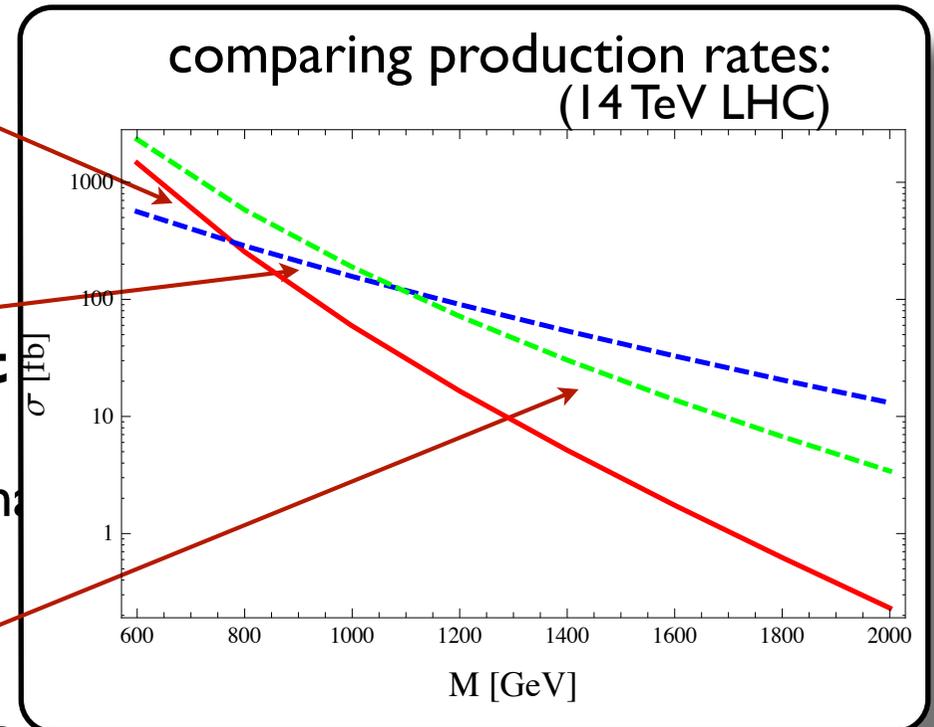
QCD pair prod.
model indep.,
relevant at low mass



single prod. with t
model dep. coupling
pdf-favored at high mass



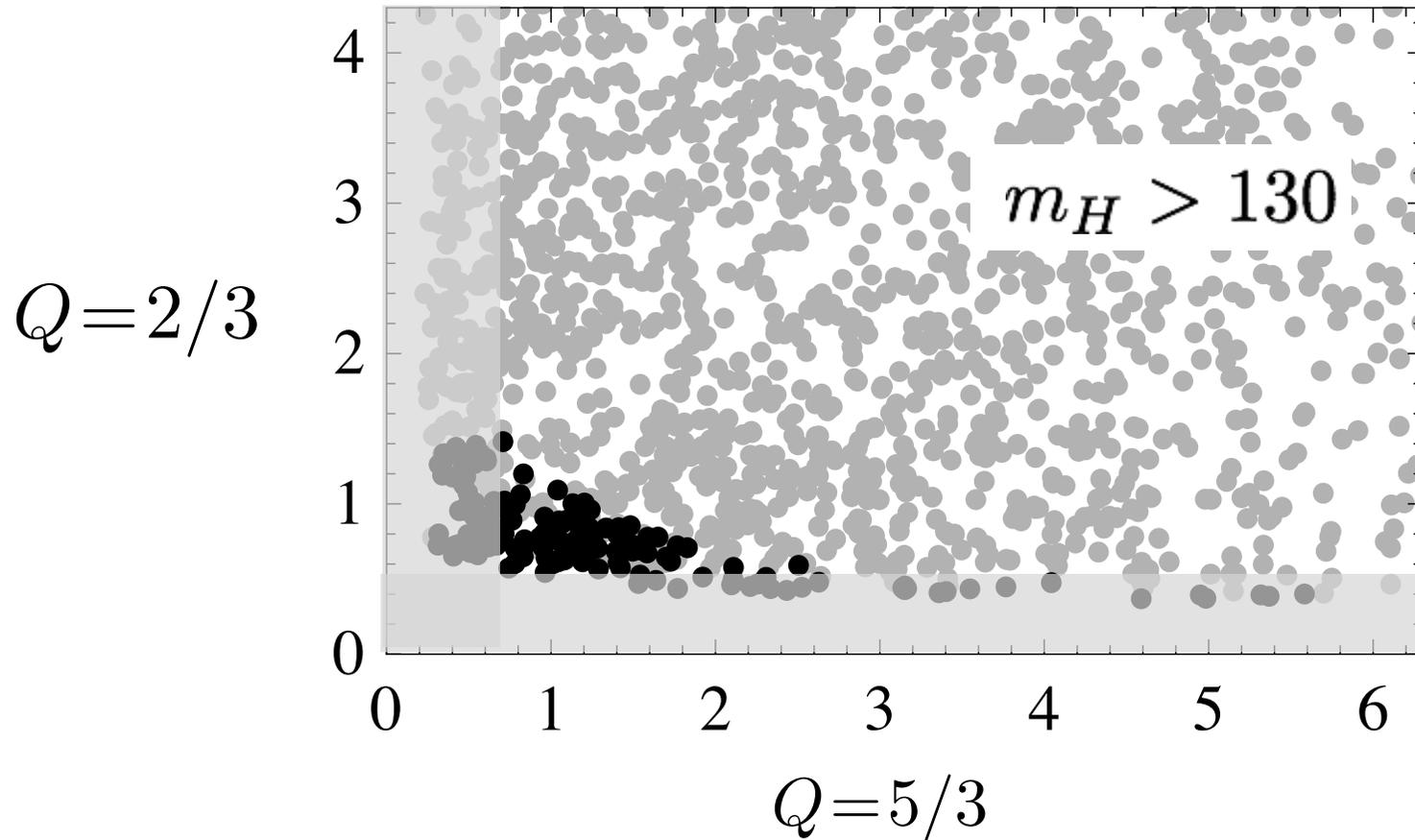
single prod. with b
favored by small b mass
dominant when allowed



Top Partners at the LHC

Impact on a concrete model (roughly):

$$\xi = 0.2$$



Top Partners at the LHC

Impact on a concrete model (roughly):

$$\xi = 0.1$$

