

Figure 78. The parton-parton luminosity $\left[\frac{1}{\hat{s}} \frac{dL_{ij}}{d\tau} \right]$ in pb integrated over y . Green = gg, Blue = $\sum_i (gq_i + g\bar{q}_i + q_i g + \bar{q}_i g)$, Red = $\sum_i (q_i \bar{q}_i + \bar{q}_i q_i)$, where the sum runs over the five quark flavours d, u, s, c, b . The top family of curves are for the LHC and the bottom for the Tevatron.

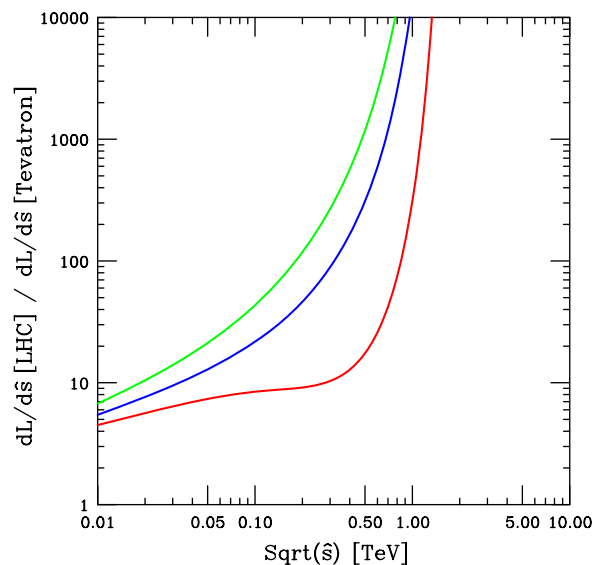


Figure 79. The ratio of parton-parton luminosity $\left[\frac{1}{\hat{s}} \frac{dL_{ij}}{d\tau} \right]$ in pb integrated over y at the LHC and Tevatron. Green= gg (top), Blue= $\sum_i (gq_i + q_i \bar{q}_i + \bar{q}_i q_i + q_i g + \bar{q}_i \bar{q}_i)$ (middle), Red= $\sum_i (q_i \bar{q}_i + \bar{q}_i q_i)$ (bottom), where the sum runs over the five quark flavours d, u, s, c, b .