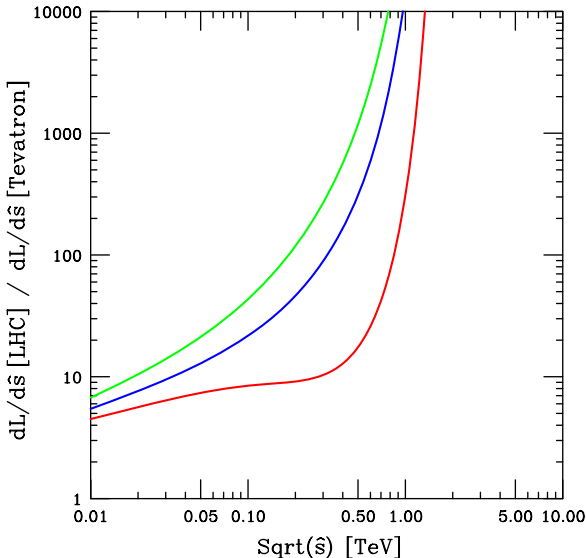


**Figure 78.** The parton-parton luminosity  $\left[ \frac{1}{s} \frac{dL_{ij}}{d\tau} \right]$  in pb integrated over  $y$ . Green =  $gg$ , Blue =  $\sum_i (gq_i + g\bar{q}_i + q_i g + \bar{q}_i g)$ , Red =  $\sum_i (q_i \bar{q}_i + \bar{q}_i q_i)$ , where the sum runs over the five quark flavours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