

$$\begin{aligned}
& \frac{-7/3m_t \langle \mathbf{31} \rangle \langle \mathbf{1} | \mathbf{3} | \mathbf{4} \rangle \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle (s_{124} - m_t^2)^2}{\langle \mathbf{1} | \mathbf{5} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1}]} + \\
& \frac{[\mathbf{1} | \mathbf{3} | \mathbf{5} | \mathbf{1}] (7/6 \langle \mathbf{31} \rangle (\langle \mathbf{24} \rangle [\mathbf{1} | \mathbf{3} | \mathbf{5} | \mathbf{1}] + 2m_t [\mathbf{14}] \langle \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle) + 7/6 [\mathbf{31}] \langle \mathbf{24} \rangle m_t (\langle \mathbf{1} | \mathbf{5} | \mathbf{1} \rangle + 2 \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle) + 7/6 [\mathbf{3} | \mathbf{5} | \mathbf{2}] [\mathbf{14}] \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle)}{\langle \mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{12}]} + \\
& \frac{\langle \mathbf{1} | \mathbf{5} | \mathbf{3} | \mathbf{1} \rangle (7/6 \langle \mathbf{31} \rangle (\langle \mathbf{24} \rangle [\mathbf{1} | \mathbf{3} | \mathbf{5} | \mathbf{1}] + 2m_t [\mathbf{14}] \langle \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle) + 7/6 [\mathbf{31}] \langle \mathbf{24} \rangle m_t (\langle \mathbf{1} | \mathbf{5} | \mathbf{1} \rangle + 2 \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle) + 7/6 [\mathbf{3} | \mathbf{5} | \mathbf{2}] [\mathbf{14}] \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle)}{[\mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle \langle \mathbf{21} \rangle} + \\
& \frac{7/6 [\mathbf{14}] \langle \mathbf{2} | \mathbf{5} | \mathbf{1} \rangle \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{31}] (s_{124} - m_t^2)}{\langle \mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{12}]} + \\
& \frac{7/6 \langle \mathbf{1} | \mathbf{3} | \mathbf{4} \rangle \langle \mathbf{2} | \mathbf{5} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{31}] (s_{124} - m_t^2)}{[\mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle \langle \mathbf{21} \rangle} + \\
& \frac{7/3 \langle \mathbf{12} \rangle [\mathbf{31}] [\mathbf{14}] [\mathbf{1} | \mathbf{3} | \mathbf{5} | \mathbf{1}] m_t^2}{\langle \mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{12}]} + \\
& \frac{\langle \mathbf{31} \rangle (s_{124} - m_t^2) (7/6 \langle \mathbf{24} \rangle m_t^2 (\langle \mathbf{1} | \mathbf{5} | \mathbf{1} \rangle - 2 \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle) + 7/6 \langle \mathbf{24} \rangle \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle s_{15} + 7/6 m_t \langle \mathbf{1} | \mathbf{3} | \mathbf{4} \rangle (\langle \mathbf{2} | \mathbf{5} | \mathbf{1} \rangle + 2 \langle \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle))}{[\mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle \langle \mathbf{12} \rangle} + \\
& \frac{-7/6 \langle \mathbf{1} | \mathbf{5} | \mathbf{3} | \mathbf{1} \rangle (s_{124} - m_t^2) [\mathbf{31}] \langle \mathbf{24} \rangle m_t}{[\mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle \langle \mathbf{12} \rangle} + \\
& \frac{m_t (7/3 (s_{124} - m_t^2) [\mathbf{31}] \langle \mathbf{1} | \mathbf{3} | \mathbf{4} \rangle m_t - 7/3 \langle \mathbf{1} | \mathbf{5} | \mathbf{3} | \mathbf{1} \rangle [\mathbf{31}] [\mathbf{14}] m_t + 7/3 (s_{124} - m_t^2) \langle \mathbf{31} \rangle [\mathbf{14}] \langle \mathbf{1} | \mathbf{3} | \mathbf{1} \rangle)}{[\mathbf{2} | \mathbf{4} | \mathbf{1} + \mathbf{2} | \mathbf{3} | \mathbf{1} \rangle]}
\end{aligned}$$