

$$\begin{aligned}
& \frac{8s_{23}m_t^2\langle 12\rangle[2\overline{4}\overline{5}1]}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{8s_{23}m_t^2[12]\langle 2\overline{4}\overline{5}1\rangle}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{s_{23}m_t^2s_{12}(16m_h^2+8\langle 2\overline{4}2\rangle)}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{s_{23}m_t^2(8m_h^4+8m_h^2\text{tr}(\overline{3}\overline{4})+16m_h^2\langle 1\overline{4}1\rangle+8\langle 2\overline{3}+\overline{4}2\rangle m_h^2-8(1\overline{3}1)\text{tr}(\overline{3}\overline{4}))}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{-1/2\langle 1\overline{5}\overline{4}\overline{3}1\rangle\langle 1\overline{4}\overline{5}1\rangle}{\langle 2\overline{3}1\rangle\langle 2\overline{4}\overline{5}1\rangle} + \\
& \frac{-1/2[12]\langle 1\overline{3}2\rangle m_h^4}{\langle 2\overline{3}1\rangle\langle 2\overline{4}\overline{5}1\rangle} + \\
& \frac{-1/2[1\overline{3}\overline{4}2]\langle 1\overline{5}\overline{4}\overline{3}2\rangle}{[12]\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{(1/2\langle 1\overline{3}\overline{4}1\rangle)(s_{\overline{3}\overline{4}}+s_{1\overline{4}}-2m_h^2)-1/2\langle 1\overline{5}2\rangle\langle 1\overline{3}\overline{4}2\rangle}{\langle 12\rangle\langle 2\overline{3}1\rangle} + \\
& \frac{(5/2\langle 1\overline{4}2\rangle m_h^2-1/2\langle 1\overline{3}2\rangle s_{12\overline{3}}-2\langle 1\overline{4}2\rangle s_{12\overline{3}}+3/2\langle 1\overline{4}2\rangle s_{2\overline{3}}+1/2\langle 1\overline{3}1\rangle\langle 1\overline{4}2\rangle)}{\langle 2\overline{3}1\rangle} + \\
& \frac{s_{12\overline{3}}(-3/2\langle 1\overline{3}2\rangle m_h^2 \dots \langle 4 \text{ terms} \rangle \dots -2\langle 2\overline{4}2\rangle\langle 1\overline{4}2\rangle)}{\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{s_{23}(-9/2\langle 1\overline{3}2\rangle m_h^2 \dots \langle 4 \text{ terms} \rangle \dots -1\langle 2\overline{4}2\rangle\langle 1\overline{4}2\rangle)}{\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{m_h^2(-2\langle 12\rangle[2\overline{3}\overline{4}2]+1/2\langle 1\overline{3}1\rangle\langle 1\overline{4}2\rangle-2\langle 1\overline{4}2\rangle\langle 1\overline{4}1\rangle-2\langle 2\overline{4}2\rangle\langle 1\overline{3}2\rangle)}{\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{-1/2\langle 1\overline{3}1\rangle\langle 1\overline{4}2\rangle\langle 1\overline{4}1\rangle}{\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{s_{23}(s_{12}-3m_h^2)s_{12}(-1m_h^2-1\text{tr}(\overline{3}\overline{4})+1\langle 1\overline{3}1\rangle-1\langle 1\overline{4}1\rangle-1\langle 2\overline{4}2\rangle)}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{s_{23}(s_{12}-3m_h^2)(\langle 1\overline{3}1\rangle^2-1\text{tr}(\overline{3}\overline{4})\langle 1\overline{4}1\rangle-1\langle 1\overline{4}1\rangle^2)}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle} + \\
& \frac{-1/2s_{23}(\langle 2\overline{3}\overline{4}2\rangle[2\overline{3}\overline{4}2]+4\Delta_{12\overline{3}\overline{4}\overline{5}})}{\langle 2\overline{3}1\rangle\langle 2\overline{3}\overline{4}\overline{5}1\rangle}
\end{aligned}$$