

$$\dots + \frac{2}{3} g_A^2 \left( 1 + \frac{M_N}{E_{N,n}} \right) \frac{E_{N,n} - E_{\pi,n} - M_N}{E_{N,n} - E_{\pi,n} + M_N} - \frac{1}{4} \Bigg]$$