

$$M_{ii}^{2} = 28 \hat{m} \left(1 + S_{M_{ii}^{2}}^{NLO}\right) \qquad (17) \quad D8 \quad 10, \quad 24621$$

$$\hat{m} \partial_{m}^{2} = \hat{m} \left(\frac{\partial M_{ii}^{2}}{\partial \hat{m}}\right) \partial_{M_{ii}^{2}} \qquad \partial_{0} = \frac{\partial}{\partial 0}$$

$$= \hat{m} \cdot 28 \left(1 + NLO\right) \partial_{M_{ii}^{2}} \qquad = \partial_{1} \cdot \frac{1}{2} \frac{1}{m}$$

$$= M_{ii}^{2} \left(1 - S_{M_{ii}^{2}}^{NLO}\right) \left(1 + \frac{\partial}{\partial M_{ii}^{2}}\right) \partial_{M_{ii}^{2}} \qquad H^{2} \partial_{M_{ii}^{2}} = \frac{\partial}{\partial M_{ii}^{2}}$$

$$= \left(1 - S_{M_{ii}^{2}}^{NLO}\right) \left(1 + \frac{\partial}{\partial M_{ii}^{2}}\right) \partial_{M_{ii}^{2}} \qquad Q_{ii} \partial_{M_{ii}^{2}} \qquad Q_{ii} \partial_{M_{ii}^{2}} \partial_{M_{ii}^{2}} \qquad Q_{ii} \partial_{M_{ii}^{2}} \partial_{M_$$

I3 = lu 132 - Mr. phys lu 132 = lo + lu Mr. 11 hys

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FLAG

PEODO, 0121 (F,01)

$$= M^{2} \left[\left(\frac{1}{4\pi F} \right)^{2} \left(\frac{1}{2} \ln \frac{M^{2}}{M^{2}} + 2 \cdot (4\pi)^{2} l_{3}^{2} (M^{2}) \right) \right]$$

$$= M^{2} \left[\frac{1}{4\pi F} \right)^{2} \left[\ln \frac{M^{2}}{M^{2}} + 4 l_{3}^{2} \right]$$

$$\hat{m} = \frac{M^2}{\delta m} - \frac{M^2}{(4\pi F)^2} = \frac{1}{2} \left[\lim_{N \to \infty} \frac{1}{4 \ln F} + 4 \lim_{N \to \infty} \frac{1}{2} + \frac{M^2}{4 \ln F} \right] + \frac{1}{M^2} \cdot \hat{m} \cdot 2B$$

NIP Q, Na, lz, le, M2 (lu M2 + finite) M4(ln² M² \
think M2 = SBW (1+ 2N50 + 2N510 + ---) m 2 M2 = 2Bm (1+8'NO+8'N210+---) (1-2 Nr - 2 N, 10 + ...) (1+2 (NSO + 2, NSO + --) = 1 - 2nro+2, Nro - 2nro 2, Nro + 2, Ns 10 - 2hs 10 NLO N2LO