TINE E=W+P

Children .

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197 fm. MeV $10^{-15} \, \text{m} \cdot 10^6 \, \text{eV}$ 1.2.103 TOM

 $H \rightarrow ZZ^* \rightarrow \mu_{\mu} e^{\dagger}e^{\dagger}$

$$\sqrt{s} > \sum_{i} m_{i}$$

$$S = (ZE_{1})^{2} (Zp_{1})^{2}$$

$$D + Y \rightarrow \Delta^{+}$$

$$M_{1} + = 12 \text{ GeV}$$

$$S > M_{1} + 12 \text{ GeV}$$

$$(E_{1} + E_{2})^{2} - (p_{1}^{2} + E_{2})^{2}$$

$$E_{2} + E_{2} + 2E_{1}E_{2} - p_{1}^{2} - E_{2}^{2} - 2p_{1}E_{2}$$

$$M_{1} + 2E_{1}E_{2} + 2E_{1}E_{2} - 2E_{2}|p_{1}|\cos\theta$$

$$M_{1} + 2E_{1}E_{2}|\cos\theta$$

$$M_{2} + 2E_{1}E_{2}|-2E_{2}|p_{1}|\cos\theta$$

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$$M_{3} + 2E_{1}E_{2}|-2E_{2}|-2E_{3}|-2E_{3}|\cos\theta$$

$$M_{4} + 2E_{1}E_{2}|-2E_{3}|-2E_{3}|\cos\theta$$

$$M_{5} + 2E_{1}E_{2}|-2E_{2}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3}|-2E_{3$$

$$\nabla(t\bar{t}) \sim 800 \text{ pb} = 800 \cdot 10^{-12} \cdot 10^{-24} \text{ cm}^{2}$$

$$\angle = 10^{-34} \text{ cm}^{-2} \text{ s}^{-1}$$

$$N_{t\bar{t}} = 10^{-34} \text{ cm}^{-2} \text{ s}^{-1} \cdot 8 \cdot 10^{-34} \text{ cm}^{2} = 8 \text{ s}^{-1}$$

$$3, 15 \cdot 10^{-12} \cdot 10^{-24} \text{ cm}^{2}$$

$$2.5 \cdot 10^{8} \text{ t}^{-1} \text{ t}^{-1} \text{ t}^{-1}$$

1)
$$5.4 \text{ T}$$
 $2.0.8 \text{ T}$
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 $3.0.8 \text{ T}$
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$$\int_{L=27}^{24} lo^{3} m \quad cT = L$$

$$f = \frac{1}{l} = \frac{c}{L} = \frac{3 \cdot lo^{8} m/s}{27 \cdot lo^{4} m} \approx 10^{4} s^{-1}$$

$$\int_{L=27}^{2} lo^{3} m \quad cT = L$$

$$f = \frac{1}{l} = \frac{c}{L} = \frac{3 \cdot lo^{8} m/s}{27 \cdot lo^{4} m} \approx 10^{4} s^{-1}$$

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