To 25, Determine the total amplitude for pair annihilation ete > x+x. 5 dq [2114 [214 ige ru 0 11] i (22 + mc) [22 24 ige ru 12] 27548(P,-P3-9) Eus48(P9-P2-P4. $= \int_{-1}^{2} g_{e} \left[\frac{g}{2} \right] \left[\frac{g}{2$ = -i ge [En* Jmu] [(B=P3)+mc) [E4* Juz] 27, 9 8 (P1-P3-R-P4) $= -\frac{1}{9}e^{2} \left(\frac{1}{2} + \frac{1}{3} \right) \left(\frac{1}{1} + \frac{1}{3} + \frac{1}{4} + \frac{1}{1} \right) \left(\frac{1}{2} + \frac{1}{3} + \frac{1}{3}$

7 u= ge [(E3* u2)][(R=73) +nc] [E4* u2] + ge [& f uz] [B + A) + mc] [& f uz]. (P,-P4)2-1m22 The addition recause they only differ my exchange st & photohs.