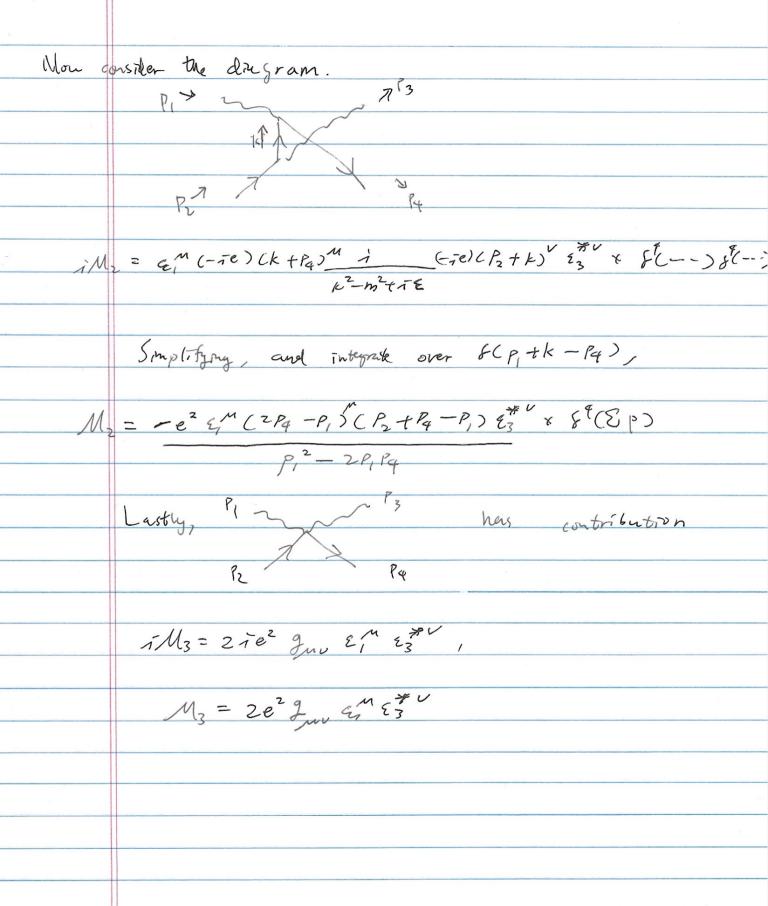
Shuest 2 Consider Et -> Et: 7 1 + 7 4 iM, = E, (-ie)Cp + k) i (-ie)Ck+pq) 23 x & (-i) = i(ie) & m cp +k) m (k+Pq > Ex x & (P1+P2-h) & (k-P3-P4) = 1(1es2 & M(2P2+P,)(P2+Pq+P,) 23 × 8(EP) (P,+P2)2-m2+12 Using (P1+P2)2m2 = P12+P2+2P1P2-m2 = P12+2P1P2 M = -e a M CZP + P ) (P2+ P4 + P7) 23 P2+2P, P2



M, +M2+M3=  $\frac{e^{2} \xi_{1}^{M} \left[ 2g_{\mu\nu} - \frac{(2P_{2}+P_{3})(P_{2}+P_{4}+P_{1})}{P_{1}^{2}+2P_{1}P_{2}} - \frac{(2P_{4}-P_{1})(P_{2}+P_{4}-P_{1})}{P_{1}^{2}-2P_{1}P_{2}} \right] \xi_{3}^{**}}{P_{1}^{2}+2P_{1}P_{2}}$ Replacing En with p.M., we have  $\frac{1}{p_{1}^{2}+2p_{1}p_{2}} = \frac{(2p_{4}p_{1}-p_{1}^{2})(p_{2}+p_{4}+p_{1})}{p_{1}^{2}+2p_{1}p_{2}} = \frac{(2p_{4}p_{1}-p_{1}^{2})(p_{2}+p_{4}-p_{1})}{p_{1}^{2}-2p_{1}p_{2}}$ = [2p 1- (P2+P4 +P1) + (P2+P4-P,5) x 83 = 0. Davidson Cherry

3-14-2024