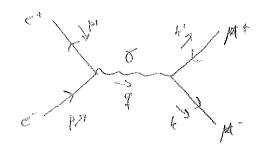
· do desse (ete- > u+p-)



Verter: -ie Xm

J-Prince - 19m

ill = 0 5'(p') 1-iegn) us(p) (-ign) \(\bar{q^2 \tau is} \) \(\alpha \bar{(k)} (-iegr) \bar{(k)} (-i

Rewite this to

5; . 3 == 2; -= 2⁽⁽⁴⁾)

EM = 2 ier o "(p) y m w (p) in (k) / p v ((k))

v=v+yo

(Tynu)* = u+(xn)+(xo)t = u+(xn)+xou = uty. xnu

 $= \sqrt{\frac{2}{3}} |\mathcal{M}|^2 = \frac{e^4}{9^4} \Big(\overline{\mathcal{F}}(p) \chi^{\mu} u(p) \overline{u}(p) \chi^{\rho} v(p) \Big) \Big(\overline{u}(w) \chi_{\mu} v(u) \overline{v}(w) \chi_{\rho} u(w) \Big)$ (1)

Spin siems are impliet, however, we want to remain epo information since we don't measure the spin engurary. Thus we want to first

H= 8th

+ = = = [(M(s, == r, n)]?

Remember completeness relations:

[Usip) (18(p) = x+m,] [Usip) (5/p) = x-m.

Looking at troppy mup imply very !

5 5 (p) 1/2 (l) (p) (2p) (2p) 1/2 (d) (p)

= Z Sipola (1) 80 Mip) William Pan

* (Ki-m)da (Kom)de (Ged = de (Ki-m) (Kom) (Kom) (Ki)

The Mr. distract of 1)

S, SI W. (h) / (h) John (h) John (h) / (h)

= (K+m)do gelo (K-m) be god

- fr ((x+m) on (x'-m) x2)

Date:16.02.2016

10b:2589

1412 = 1 = 4 = 4 10 (16, -10) to (20, -10) to (16, -10) t

We can simplify the benges:

pe ((*, - m/2 m/4 m/4 m/2 m) = gr. ((84 bp-m) / m (20 bo + m) (s))

= Ir (Xe Signifor Do Do F Deficiones

- hypropropropropro

= 4(glagor - go gar y gol gar) pipo - 4gardas

= H(gregor - grager + gragera) para

fc ((K+1) & (K,-1) b) = 4 ((Sek + 2)) ((& k - 2)) 20)

= 41 (X6 fexu 20 fo 20 - m/2 2/2 20)

- H (grages - geogn +gergno) kpko

- your Wi

H (gfr figorpo - grogni fippo + gropigmopo)

= 4(bab = 2 - 240 b, 25 + b, 15 by)

= 4 (pm p 2 + p; pm = gm (p. p))

Similarly for the well get

(3): 4(kpki + kpki - gps(koki + mp))

+ 3,5,5,5,6,6,6 = 134 16, (php) + pop - gr (pp) (k, k) + kok; - go (

= 46 (pmp3/hh) + pmp3/k/ - pmp3 gm (k.k. mm3) 1 + proper kylor properties - properties (kilomer) - gm (p.p.) kk) - gm (p.p.) ko k! + gm (p.p.) gm (h.n.+ m.))

= 4e" ((p'.k)(p.h') + (p'.h')(p.h) - (p'.p) (h.h'+m,2) + (p'. h')(p.k) + (p'. k)(p.k) - (p'. p)(k. h'+ in) - (p.p)(k.k) - (p.p)(k.k) + 4 (p.p) (hiki+m))

 $= \frac{8e!}{g^n} \left((p', h)(p, h') - (p', h')(p, h) - (p, p')m_{p}^2 \right)$

P=(E, p3)

· 12. p

bs = Es + Bs = ms

P.h. (E., P)(Em, P)

ことにないしてはしちか

$$P = (E, E^{2})$$

$$k' = (E, F^{2})$$

$$P \cdot k = (E, E_{2}) \cdot (E, \vec{k})$$

$$= E^{2} - E_{2} \cdot \vec{k}$$

$$= L^{2} - E_{2} \cdot (\vec{k}) \cdot (\omega_{0})$$

$$\frac{1}{2} \sum_{|M|^2} \frac{1}{|M|^2} \frac{1}{2} \frac{8e^4}{(1E^8)^4} \left((E^2 + E|E|(\cos \theta)^2 + (E^2 - E|E|(\cos \theta)^2 + 2E^2 M_{H}^2) \right)$$

$$= \frac{8e^4}{16E^4} \left[\frac{1}{2} \frac{2E^2}{16E^2} \sqrt{E^2 - M_{H}^2} \cos \theta + E'(E' - M_{H}^2) \cos^2 \theta \right]$$

$$= \frac{8e^4}{16E^4} \left[\frac{1}{2} \frac{2E^2}{16E^2} \sqrt{E^2 - M_{H}^2} \cos \theta + E'(E' - M_{H}^2) \cos^2 \theta \right]$$

$$= \frac{8e^4}{16E^4} \left[\frac{1}{2} \frac{2E^2}{16E^2} \sqrt{E^2 - M_{H}^2} \cos \theta + E'(E' - M_{H}^2) \cos^2 \theta \right]$$

$$= e^{\frac{1}{\epsilon} \left[\left(\left(\frac{1 + M_{\mu}^{2}}{\epsilon^{2}} \right) + \left(1 - \frac{M_{\mu}^{2}}{\epsilon^{2}} \right) \cos \Theta \right]}$$

The differential was rection in

$$= \frac{\left[\frac{1}{\sqrt{1 - \frac{E_s}{M_s^2}}}\right] \left(1 + \frac{E_s}{M_s^2}\right) + \left(1 - \frac{E_s}{M_s^2}\right) \cos s \in \left[\frac{1}{\sqrt{1 - \frac{E_s}{M_s^2}}}\right] \cos s = \frac{1}{\sqrt{1 - \frac{E_s}{M_s^2}}} \cos s = \frac{1}{\sqrt$$

$$\begin{array}{lll}
\nabla = \iint_{A} \frac{d^{2}}{dE^{2}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \left(1 + \frac{m^{2}}{E^{2}} \right) + \left(1 - \frac{m^{2}}{E^{2}} \right) \cos \theta \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^{2}}{E^{2}} \right) \sin \theta \, d\theta \, d\rho \\
&= \underbrace{\frac{2\pi \alpha^{2}}{4E^{2}}} \sqrt{1 - \frac{m^{2}}{E^{2}}} \int_{C} \left(1 + \frac{m^$$

$$\left[(1 + \frac{M^2}{6}) (+2) + (1 - \frac{M^2}{6}) (+2 - \frac{3}{3}) \right]$$

We'll look at each term independly:

|M|2 = |My 12 + |M20 |2 + |M2 M20 |

Illgir is the same as in QCO.

Mzo = 192 (92-42) 01 (pi) 20 (co-co y s) w (pr) w (kr) 80 (cs-ceys) v (kr)

[5pins | M20 | = 4 (32 / 1/6/5) / 2 (pi) / (ci - ci/s) m(pi) m(pi) / (ci-ci/s) m(pi)

 $=\frac{1}{4}\left(\frac{dd_{s}-m_{s}}{ds}\right)_{S}$ $Q_{s}(b_{s})Q_$

· ((k,) (k,) ((; - (; 5)) (; (k,)) (k,) (; + (; 5))

= 4() + 1 (1/2 - me.) 80 ((1/2 + (1/2)) (1/2 + me) 2/1 ((1/2 - (1/2)))]]

. tr ((X + M),) de Yally (CS-CRYS) (K'e - M), bic Young (CS-CRYS))

I = +L [(Xubi-me) & L(Co-CoAz) (Xubin+Mc) Xy (Co-CoAz)]

= 4- [(Ludobish - Ague) (Co- CEA2) (Rudy bin-Que) (Co-CEA2)]

= tr [(hux 6 co bin - hish 2 (2 bin - hichme + Risicime)

· (Dyly Ce bin - Alby Dice bin - Ay Ce Me + By Rice We)]

I = tr (xnxnx,(ce)2 Dimpin - Al, Xnx, xxxx & c& c& c& chibin

- Dig & Jest Phyme + Dig & Ses Pinne

- 81,868,800, Cre bin bro + 84,88,8,8,000, bin bro

+ O'Coo o Cacopi, me - gryogs got (a) me pin

=-8,8881 Distriby -- Assol

- Sesupresseme ben + Sesusta ette me ben

= 88882

+ QQy (Ch) 2 Mer - QQ J 2 CACE IN 5

=-8/8°8'81

+ 8°858"81 Caceme Py - 885 80 85 (CS)2me Pin

- 8622 y C. C. E. Mes + 862, 8, Q. (C. 15 Mes)

Alle ledd med odde antall of untier blir meles his or ikker or involvent. tr (groots) = 0

= 4 (dubdy - duoday + dydy)(CE), bir bos + A! Endry CRE bir bis

+ (1) Embyy (C. C. b. b. b.) + 1 (dudy) - dr, dy + dr, dy) (C.) , b, 2 bas

+ 4gpr(CE)2 m2 - 4gr/(Ca)2m2

=4(c,cc,)(-bilbby- 36y bight + big bi) + giflegy (2 Re bin bin

+ H ((2 + ()) & by WE

II = +1 ((24x0b + Mh) &b ((2-(2/2) (8, K10-Mh) 84 ((2-(2/2))) = to [(8x kips con suking case + Mish ch - mise case) (20/4/20 Ry C&, - 2, K, D) C&, D2 - Wh DY C& + MM DY C&, D) = 1- [8" 86 80, 2" K" K" (CE) - - 2" 86 2: 218 CECE K" K" | Krife Krift (1 - X 1) coco k Min - Sigh Dregge Kalpin + Sli Do Ant of Circle With + 8'81882 Coco toji Min - 8'Och 85 En (Ci)2 Min + 108 pt 12 (C.) 21/2 DCD DD My CSCS K', - REDY (CE), M's + REDITE M'S CECE - 8085 8 18 18 16 (5M) + 8085 8 3005 181, (6) 3 M. Dr & 2 X CECS MM - Rb & SY D 3 (CE) 5 M/3] 1 (gregos - grogostgrages) (C) knkist @i Eppos cocekiki

+ 4 (346 g sy - gra gey + gra ges) (C) K, K, K

- Ader (Ch), Mis + Addr (Ch) Wh

(\$\frac{1}{2} | M_{20}|^{2} = \frac{924}{4 16 (92 - \text{M2})^{2}} (\bar{\pi}_a t^{\frac{1}{2}}(\bar{p}') \gamma^{\text{C}}(\bar{p}') \gamma^{\text{C}}(\bar{\pi}_s - (3\gamma)) (\bar{\pi}_s (\bar{p}) \tau_s (\bar{p})) \tau_s (\bar{p}) \tau_s $\mathcal{A}_{\gamma}^{eq}(\mathcal{C}_{\ell}^{e}-\mathcal{C}_{\ell}^{e}\mathcal{A}_{2})\mathcal{O}_{\gamma}^{eq}(\mathcal{V}_{1})\mathcal{O}_{\gamma}^{eq}(\mathcal{V}_{1})\mathcal{A}_{\gamma}^{eq}(\mathcal{C}_{\ell}^{e}-\mathcal{C}_{\ell}^{e}\mathcal{A}_{2})\mathcal{O}_{\gamma}^{g}(\mathcal{V}_{1})$ ((k) & (c & (& k) x (k)) 10 (ds. ms)s fr ((k, -me) lb (c2-(22) (k+me) ly (c2-(22)) · ft ((K+mm) Rb ((2-C2 R2) (K-mm) Ry ((2-C2 R2))) Me LC M2 I = tr ((xmph-yne)xe(cs-csxs)(x)px -yn()x1(cs-csxs)) - 12 (Sugas, Sy Ces bib" - Riles, Sy 8 2 Cece bib" - Ruhale s & Sy (UCE birbo + Ruhas Angala Ces birba) = 1) (grad on - dunder + dunder) C. b.b. 1 818 MOST CECE BINDS + 14 (BUR B ST - Bloodby + Styles) Cabibo II = tr ((8/1/4/1 + M/) Op (C3-C385) (8/1/2-M/) 8/ (C3-C385)) = A (Bub dox - Bus dbx + Guz dbs) Cos Kurs + &; EMOSY CRCX KWKIN + A(BMBGOY-BMBO) (3, KWKIN + Adby (Cy-Chs) Mis

Epper is antisymmetric, while the offer terms are symmetric. We can also neglect the depton marries rince Mr KM2.

- Kickbub okylin

$$= \frac{g_{1}^{2}}{64(d_{3}-M_{5}^{2})^{2}} \left(35((d_{3}+(d_{3})^{2}+1)(d_{3}+$$

```
(2) | Months | = 12 2, (b,) (= 138)((2 - (282))(26) (= 136) (10 (-358)(0.034)) ac, (r)
                · Ω (p) ( i eza) σ (ρ) (i apo ) ο (κ) ( i ez σ) ω (ν)
        = = = = = = = (0-s,b,) &u (0, (1/2) m2(b) (1/2,b) &en 2,(b,))
                       pr. (K+Wh) Sh (C2-(282) (K,-Wh) Sb)
     I = ge (Rabo-we) & (Co-Cokz) (Sybrame) &e)
Mercins

In [ Rohn bolo Co Republic Ce - Rohnsky Coboby theme) (Apleby theme)]
        = M ( gang ye - day dul + daldly) baby ce + HE Early baby ce
    II = pt [(8 k + mm) 8 (C2 - C682) (8x ky - mm) 86]
 Where Mis & the [(Ra DW Kack - Ra RW Rike C?) (RR Pry))
        = It [ go grays Kaky Co - Go gray grap ka King ]
         A (Bango - day din + das dus / get me + die aust kopy, ce
```

 $\frac{1}{1} \frac{1}{1} \frac{1}$

I = tr ((k+m) / (x+me) / (cs-cs/s))

= 4c [(20 Sudy de boby ce - 20 Sudy Sedi be by ce - 20 Suda by the ce = 4c [(20 Sudy be by + 20 8 h be me - Sudy by me + Sums) (Sece-cesses)]

+ Surante Co - Surante Ce - Suly Sextome Ce

```
= M(dendyb-daydan+dalday) baby co + HIE abyb babyce
           4 (bube - by Sueby + bebu) CE + AIE and bebyce
     II = 10 ((/3/10-m/n)// (/2/10 m/n)//p (CS CS XC))
         = It [ (858480 Kelio - Selftem + Josephin - Jamis Sp(co-ceps)]
        - He lappy 80-80 Kelia Co - Repula Pars Kelia Co.
        = 4 (grigor - gragin + gragina) Lahra ( + 418 Supp Kakie Ca)
        = 4 ( Kn Ka Go - Ko K' grants ka Kn (3) + 41 Edmap LA LIB (5
Z | Myllo | = e2g2 | 4 (prpr-p2p, grr + prpr) (+4:80 n3 pp peps Cs)
```

· Lucs (Knikplle - Koki of pp + Koki Ma) +418 of pp K KB (4)

= 1 4 4 (ds-14) [10 (cs 5 (bmb, - (b, 1)) dub + b, bm) (Kychip - (hyis hi) gyp + kph;) - 16 E FAP E SMEP
Pio Pi ho ki Pin)

= - 11 - [16 ((p'.k) (p.k)) - (p'.p) (k.k) + (p'.k') (p.k) ·· (p'·p)(h'·h)+4(p'·p)(h'·h) ·· (p'·p)(h·h') + (p'.k')(p.k) - (k.k')(p.p') + (p'.k)(p.k') E & Y 2 & - E N & Y C - 16 E Prox Eprop Papak Shir Call ૧૪૬૫^{૩-} ૧૧૫૪૩ == 1 = [16(c, (S(b, r)(b, r) + S(b, r)(b, r)) +16.5(222 - 28 22) ball ralle (25) " - | 185.Co? ((p'.r) (p.r,))+ (b,r) (b.r) + 135 ((b, ot) (b, r,) - (b, r,) (b, r)

Total amplifiede:

$$|M| = |M_3|^2 + |M_{20}|^2 + |M_3|M_{20} + |M_{20}|M_{30}|$$

$$= \frac{8e^4}{9^4} \left((p' \cdot k)(p \cdot k') + (p' \cdot k')(p \cdot k) \right)$$

$$= \frac{q''}{q''} ((p' \cdot k)(p \cdot k') + (p' \cdot k')(p \cdot k))$$

$$|M| = (b_1 \cdot p)(b \cdot p_1) \left[\frac{d_1}{8c_1} \cdot \frac{(c_2 \cdot c_3)_5 + (c_3)_5}{(c_3 \cdot c_3)_5} + \frac{d_3(d_3 - m^5)_5}{(c_3 \cdot c_3)_5} \cdot \frac{d_3(d_3 - m^5)_5}{(c_3 \cdot c_3)_5} \right]$$

$$|M| = (b_1 \cdot p)(b \cdot p_1) \left[\frac{d_4}{8c_4} \cdot \frac{(d_3 - m^5)_5}{(d_3 - m^5)_5} \cdot \frac{d_3(d_3 - m^5)_5}{(c_3 \cdot c_3)_5} \cdot \frac{d_3(d_3 - m^5)_5}{(c_3 \cdot c_3)_5} \right]$$

$$= \frac{E_{rt}(1 - (020)_{S} = C_{rt}(1 + (020)_{S} - 5(00))}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} = C_{rt}(1 + (020)_{S} - 5(00))}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 + (020)_{S} = C_{rt}(1 + 2(020)_{S} - (020)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 + (020)_{S} = C_{rt}(1 + 2(020)_{S} - (020)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} = C_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} = C_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= \frac{E_{rt}(1 - (020)_{S} - E_{rt}(1 + (020)_{S} - 5(00)_{S})}{S_{s} = 19E_{rt}}$$

$$= 5(\frac{1}{6}, \frac{1 + \cos 3\Theta}{4}) + 4(\frac{1}{6}, \cos \Theta) + 6(\frac{1}{6}, \cos \Theta)$$

The American

$$+ \left(\left(\left(\frac{C_{s}}{C_{s}} + \left(\frac{C_{s}}{C_{s}} \right)_{s} + A \left(\frac{C_{s}}{C_{s}} \left(\frac{C_{s}}{C_{s}} \right) \left(1 - S \cos \Theta + \cos_{s} \Theta \right) \right) \right)$$

$$= \left(\left(\left(\frac{C_{s}}{C_{s}} + \left(\frac{C_{s}}{C_{s}} \right)_{s} + A \left(\frac{C_{s}}{C_{s}} \left(\frac{C_{s}}{C_{s}} \right) \left(1 + S \cos \Theta + \cos_{s} \Theta \right) \right) \right)$$

$$= N |\mathcal{M}| = \epsilon_d (1 + \cos_3 \Theta) + \frac{(12^2 - M_S^5)_5}{4} \left[(1 + \cos_3 \Theta) \left((2_5 + (2_5)_5 + 8C_5 C_5 \cos \Theta \right) \right]$$

$$= \frac{S(2-M_5^2)(2^{2n}C^{2n})}{C(2^{2n}C^{2n})} \left(\frac{C_{5}^{2}(1+\cos_2\Theta)+S(2_{5}\cos\Theta)}{C(2^{2n}C^{2n})} + \frac{S(2-M_5^2)(2^{2n}C^{2n})}{C(2^{2n}C^{2n})} \right)$$

$$= \frac{C_{5}^{2}}{C(2^{2n}C^{2n})} \left(\frac{C_{5}^{2}(1+\cos_2\Theta)+S(2_{5}\cos\Theta)}{C(2^{2n}C^{2n}C^{2n})} + \frac{C_{5}^{2}}{C(2^{2n}C^{2n}C^{2n})} \right)$$

$$= \frac{C_{5}^{2}}{C(2^{2n}C^{2n})} \left(\frac{C_{5}^{2}(1+\cos_2\Theta)+S(2_{5}\cos\Theta)}{C(2^{2n}C^{2n}C^{2n}C^{2n})} + \frac{C_{5}^{2}}{C(2^{2n}C^{$$

$$0 = \iint_{1} \frac{1}{S} \left\{ \left\{ 1 \times (\alpha^{2} \circ \sqrt{\frac{1}{2}} \cos \alpha^{2}) \times (-\alpha^{2})^{\frac{1}{2}} \left\{ (-\alpha^{2} \circ \sqrt{\frac{1}{2}} \cos \alpha^{2}) \times (-\alpha^{2})^{\frac{1}{2}} \times (-\alpha^{2})^{\frac{1}{2}} \right\} \right\} \right\}$$

$$= \frac{11}{21} \times \left\{ (-\alpha^{2} \circ \sqrt{\frac{1}{2}} \cos \alpha^{2}) + \frac{1}{2} (-\alpha^{2} \circ \sqrt{\frac{1}{2}} \cos \alpha^{2}) \times (-\alpha^{2})^{\frac{1}{2}} \times (-\alpha^{2})^{\frac{1}{2}$$

$$C_{F} = \frac{110^{12}}{25} \left[-(010 - \frac{1}{3}(01^{3} + \frac{1$$