Out[367]=

coefficients

Σm	pr	ne
1a	$I[a,\Sigma p,\Sigma 0,\pi m] \to -2\,fi^2$ $I[a,\Sigma p,\Xi 0,Km] \to -(di+fi)^2$ $I[a,\Sigma p,\Lambda,\pi m] \to -\frac{2\,di^2}{3}$	$I[a,pr,\Sigma 0,Km] \to -\frac{1}{2}(di-fi)^2$ $I[a,pr,ne,\pi m] \to -(di+fi)^2$ $I[a,pr,\Lambda,Km] \to -\frac{1}{6}(di+3\,fi)^2$
2b	$I[b,\Sigma p,\Sigma 0,\pi m] \to -\frac{2\left(c1\,di\,fi\,Q2-c2\,di\,fi\,Q2-2\,c1\,fi^2\,Q2-2\,c2\,fi^2\,Q2+c3\,fi^2\,Q2\right)}{3\left(4\,mo^2+Q2\right)}$ $I[b,\Sigma p,\Sigma p,\pi 0] \to \frac{2\,fi^2\left(12\,mo^2+4\,c1\,Q2-c3\,Q2\right)}{3\left(4\,mo^2+Q2\right)}$ $I[b,\Sigma p,\Sigma p,\eta] \to \frac{2\,di^2\left(12\,mo^2+4\,c1\,Q2-c3\,Q2\right)}{9\left(4\,mo^2+Q2\right)}$ $I[b,\Sigma p,pr,\overline{K0}] \to \frac{(di-fi)^2\left(12\,mo^2+4\,c1\,Q2-c2\,Q2\right)}{3\left(4\,mo^2+Q2\right)}$ $I[b,\Sigma p,\Xi 0,Km] \to -\frac{(c1-4\,c3)\,(di+fi)^2\,Q2}{3\left(4\,mo^2+Q2\right)}$ $I[b,\Sigma p,\Lambda,\pi m] \to \frac{2\left(c3\,di^2\,Q2-c1\,di\,fi\,Q2+c2\,di\,fi\,Q2\right)}{3\left(4\,mo^2+Q2\right)}$	$I[b,pr,\Sigma 0,Km] \to \frac{1}{6\left(4\,mo^2+Q2\right)}$ $\left(c1\,di^2\,Q2+3\,c2\,di^2\,Q2-c3\,di^2\,Q2-6\,c1\,di\,fi\,Q2-2\,c2\,di\,fi\,Q2+2\,c3\,di\,fi\,Q2+5\,c1\,fi^2\,Q2-c2\,fi^2\,Q2-c3\,fi^2\,Q2\right)$ $I[b,pr,\Sigma p,K0] \to \frac{(di-fi)^2\left(12\,mo^2+4\,c1\,Q2-c3\,Q2\right)}{3\left(4\,mo^2+Q2\right)}$ $I[b,pr,pr,\pi 0] \to \frac{(di+fi)^2\left(12\,mo^2+4\,c1\,Q2-c2\,Q2\right)}{6\left(4\,mo^2+Q2\right)}$ $I[b,pr,pr,\eta] \to \frac{(di-3\,fi)^2\left(12\,mo^2+4\,c1\,Q2-c2\,Q2\right)}{18\left(4\,mo^2+Q2\right)}$ $I[b,pr,ne,\pi m] \to -\frac{(c1-4\,c2)\,(di+fi)^2\,Q2}{3\left(4\,mo^2+Q2\right)}$ $I[b,pr,\Lambda,Km] \to \frac{1}{6\left(4\,mo^2+Q2\right)}$ $\left(-c1\,di^2\,Q2+c2\,di^2\,Q2+c3\,di^2\,Q2-2\,c1\,di\,fi\,Q2+2\,c2\,di\,fi\,Q2+6\,c3\,di\,fi\,Q2+3\,c1\,fi^2\,Q2-3\,c2\,fi^2\,Q2+9\,c3\,fi^2\,Q2\right)$
3c	$I[c,\Sigma p,\Sigma 0,\pi m] \to -\frac{16\left(c1\,di\,fi-c2\,di\,fi-2\,c1\,fi^2-2\,c2\,fi^2+c3\,fi^2\right)mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,\Sigma p,\Sigma p,\pi 0] \to \frac{16\,(-3+4\,c1-c3)\,fi^2\,mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,\Sigma p,\Sigma p,\eta] \to \frac{16\,(-3+4\,c1-c3)\,di^2\,mo^2}{9\left(4\,mo^2+Q2\right)}$ $I[c,\Sigma p,pr,\overline{K0}] \to \frac{8\,(-3+4\,c1-c2)\,(di-fi)^2\,mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,\Sigma p,\Xi 0,Km] \to -\frac{8\,(c1-4\,c3)\,(di+fi)^2\,mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,\Sigma p,\Lambda,\pi m] \to \frac{16\left(c3\,di^2-c1\,di\,fi+c2\,di\,fi\right)mo^2}{3\left(4\,mo^2+Q2\right)}$	$I[c,pr,\Sigma 0,Km] \to \frac{1}{3\left(4\,mo^2+Q2\right)}$ $4\left(c1\,di^2+3\,c2\,di^2-c3\,di^2-6\,c1\,di\,fi-2\,c2\,di\,fi+2\,c3\,di\,fi+5\,c1\,fi^2-c2\,fi^2-c3\,fi^2\right)mo^2$ $I[c,pr,\Sigma p,K0] \to \frac{8\,(-3+4\,c1-c3)\,(di-fi)^2\,mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,pr,pr,\pi 0] \to \frac{4\,(-3+4\,c1-c2)\,(di+fi)^2\,mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,pr,pr,\eta] \to \frac{4\,(-3+4\,c1-c2)\,(di-3\,fi)^2\,mo^2}{9\left(4\,mo^2+Q2\right)}$ $I[c,pr,ne,\pi m] \to -\frac{8\,(c1-4\,c2)\,(di+fi)^2\,mo^2}{3\left(4\,mo^2+Q2\right)}$ $I[c,pr,\Lambda,Km] \to$ $-\frac{1}{3\left(4\,mo^2+Q2\right)}4\left(c1\,di^2-c2\,di^2-c3\,di^2+2\,c1\,di\,fi-2\,c2\,di\,fi-6\,c3\,di\,fi-3\,c1\,fi^2+3\,c2\,fi^2-9\,c3\,fi^2\right)mo^2$
4de	$I[de,\Sigma p,\Sigma 0,\pi m] \to -2\,fi^2$ $I[de,\Sigma p,\Xi 0,Km] \to -(di+fi)^2$ $I[de,\Sigma p,\Lambda,\pi m] \to -\frac{2\,di^2}{3}$	$I[de,pr,\Sigma 0,Km] \to -\frac{1}{2}(di-fi)^2$ $I[de,pr,ne,\pi m] \to -(di+fi)^2$ $I[de,pr,\Lambda,Km] \to -\frac{1}{6}(di+3\,fi)^2$
5fg	$I[fg,\Sigma p,\Sigma 0,\pi m] \to -2\,fi^2$ $I[fg,\Sigma p,\Xi 0,Km] \to -(di+fi)^2$ $I[fg,\Sigma p,\Lambda,\pi m] \to -\frac{2\,di^2}{3}$	$I[fg,pr,\Sigma 0,Km] \to -\frac{1}{2}(di-fi)^2$ $I[fg,pr,ne,\pi m] \to -(di+fi)^2$ $I[fg,pr,\Lambda,Km] \to -\frac{1}{6}(di+3\,fi)^2$
6h	$I[h,\Sigma p,\Delta pp,Kp] \to ci^2$ $I[h,\Sigma p,\Sigma s0,\pi m] \to -\frac{ci^2}{6}$ $I[h,\Sigma p,\Xi s0,Km] \to -\frac{ci^2}{3}$	$I[h,pr,\Delta 0,\pi m] \to -\frac{ci^2}{3}$ $I[h,pr,\Delta pp,\pi p] \to ci^2$ $I[h,pr,\Sigma s0,Km] \to -\frac{ci^2}{6}$
7i	$I[i,\Sigma p,\Delta p,\overline{K0}] \to \frac{ci^2\left(4\,md^2+2\,c1\,Q2+c2\,Q2\right)}{6\left(4\,md^2+Q2\right)}$ $I[i,\Sigma p,\Delta pp,Kp] \to \frac{ci^2\left(8\,md^2+3\,c1\,Q2\right)}{2\left(4\,md^2+Q2\right)}$ $I[i,\Sigma p,\Sigma s0,\pi m] \to \frac{(c1+c2+c3)\,ci^2\,Q2}{12\left(4\,md^2+Q2\right)}$ $I[i,\Sigma p,\Sigma sp,\pi 0] \to \frac{ci^2\left(4\,md^2+2\,c1\,Q2+c3\,Q2\right)}{12\left(4\,md^2+Q2\right)}$ $I[i,\Sigma p,\Sigma sp,\eta] \to \frac{ci^2\left(4\,md^2+2\,c1\,Q2+c3\,Q2\right)}{4\left(4\,md^2+Q2\right)}$ $I[i,\Sigma p,\Xi s0,Km] \to \frac{(c1+2\,c3)\,ci^2\,Q2}{6\left(4\,md^2+Q2\right)}$	$I[i,pr,\Delta 0,\pi m] \to \frac{(c1+2\,c2)\,ci^2\,Q2}{6\left(4\,md^2+Q2\right)}$ $I[i,pr,\Delta p,\pi 0] \to \frac{ci^2\left(4\,md^2+2\,c1\,Q2+c2\,Q2\right)}{3\left(4\,md^2+Q2\right)}$ $I[i,pr,\Delta pp,\pi p] \to \frac{ci^2\left(8\,md^2+3\,c1\,Q2\right)}{2\left(4\,md^2+Q2\right)}$ $I[i,pr,\Sigma s0,Km] \to \frac{(c1+c2+c3)\,ci^2\,Q2}{12\left(4\,md^2+Q2\right)}$ $I[i,pr,\Sigma sp,K0] \to \frac{ci^2\left(4\,md^2+2\,c1\,Q2+c3\,Q2\right)}{6\left(4\,md^2+Q2\right)}$
8j	$I[j,\Sigma p,\Delta p,\overline{K0}] \to \frac{2\,(-1+2\,c1+c2)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,\Sigma p,\Delta pp,Kp] \to \frac{2\,(-2+3\,c1)\,ci^2\,md^2}{(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,\Sigma p,\Sigma s0,\pi m] \to \frac{(c1+c2+c3)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,\Sigma p,\Sigma sp,\pi 0] \to \frac{(-1+2\,c1+c3)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,\Sigma p,\Sigma sp,\eta] \to \frac{(-1+2\,c1+c3)\,ci^2\,md^2}{(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,\Sigma p,\Xi s0,Km] \to \frac{2\,(c1+2\,c3)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$	$I[j,pr,\Delta 0,\pi m] \to \frac{2\,(c1+2\,c2)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,pr,\Delta p,\pi 0] \to \frac{4\,(-1+2\,c1+c2)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,pr,\Delta pp,\pi p] \to \frac{2\,(-2+3\,c1)\,ci^2\,md^2}{(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,pr,\Sigma s0,Km] \to \frac{(c1+c2+c3)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$ $I[j,pr,\Sigma sp,K0] \to \frac{2\,(-1+2\,c1+c3)\,ci^2\,md^2}{3\,(-1+c1)\left(4\,md^2+Q2\right)}$
9kl	$I[kl,\Sigma p,\Delta p,pr,\overline{K0}] \to \frac{(c1-c2)\,ci\,(di-fi)\,md}{c1\,mo}$ $I[kl,\Sigma p,\Sigma s0,\Sigma 0,\pi m] \to \frac{(c1+c2-2\,c3)\,ci\,fi\,md}{2\,c1\,mo}$ $I[kl,\Sigma p,\Sigma s0,\Lambda,\pi m] \to \frac{(c1-c2)\,ci\,di\,md}{2\,c1\,mo}$ $I[kl,\Sigma p,\Sigma sp,\Sigma p,\pi 0] \to \frac{(c1-c3)\,ci\,fi\,md}{c1\,mo}$ $I[kl,\Sigma p,\Sigma sp,\Sigma p,\eta] \to \frac{(c1-c3)\,ci\,di\,md}{c1\,mo}$ $I[kl,\Sigma p,\Xi s0,\Xi 0,Km] \to \frac{(c1-c3)\,ci\,(di+fi)\,md}{c1\,mo}$	$I[kl,pr,\Delta 0,ne,\pi m] \to \frac{(c1-c2)\,ci\,(di+fi)\,md}{c1\,mo}$ $I[kl,pr,\Delta p,pr,\pi 0] \to \frac{(c1-c2)\,ci\,(di+fi)\,md}{c1\,mo}$ $I[kl,pr,\Sigma s0,\Sigma 0,Km] \to \frac{(c1+c2-2\,c3)\,ci\,(di-fi)\,md}{4\,c1\,mo}$ $I[kl,pr,\Sigma s0,\Lambda,Km] \to \frac{(c1-c2)\,ci\,(di+3\,fi)\,md}{4\,c1\,mo}$ $I[kl,pr,\Sigma sp,\Sigma p,K0] \to \frac{(c1-c3)\,ci\,(di-fi)\,md}{c1\,mo}$
10mn	$I[mn,\Sigma p,\Delta pp,Kp] \to ci^2$ $I[mn,\Sigma p,\Sigma s0,\pi m] \to -\frac{ci^2}{6}$ $I[mn,\Sigma p,\Xi s0,Km] \to -\frac{ci^2}{3}$	$I[mn,pr,\Delta 0,\pi m] \to -\frac{ci^2}{3}$ $I[mn,pr,\Delta pp,\pi p] \to ci^2$ $I[mn,pr,\Sigma s0,Km] \to -\frac{ci^2}{6}$
11op	$I[op,\Sigma p,\Delta pp,Kp] \to ci^2$ $I[op,\Sigma p,\Sigma s0,\pi m] \to -\frac{ci^2}{6}$ $I[op,\Sigma p,\Xi s0,Km] \to -\frac{ci^2}{3}$	$I[op,pr,\Delta 0,\pi m] \to -\frac{ci^2}{3}$ $I[op,pr,\Delta pp,\pi p] \to ci^2$ $I[op,pr,\Sigma s0,Km] \to -\frac{ci^2}{6}$