

Model averages:

xi: 1317(27)

xi_st: 1537(34)

Weights:

xi:xi_st:d_n2lo:l_lo: 0.6433437841405378

xi:xi_st:d_n2lo:l_n2lo: 0.23154221354175392

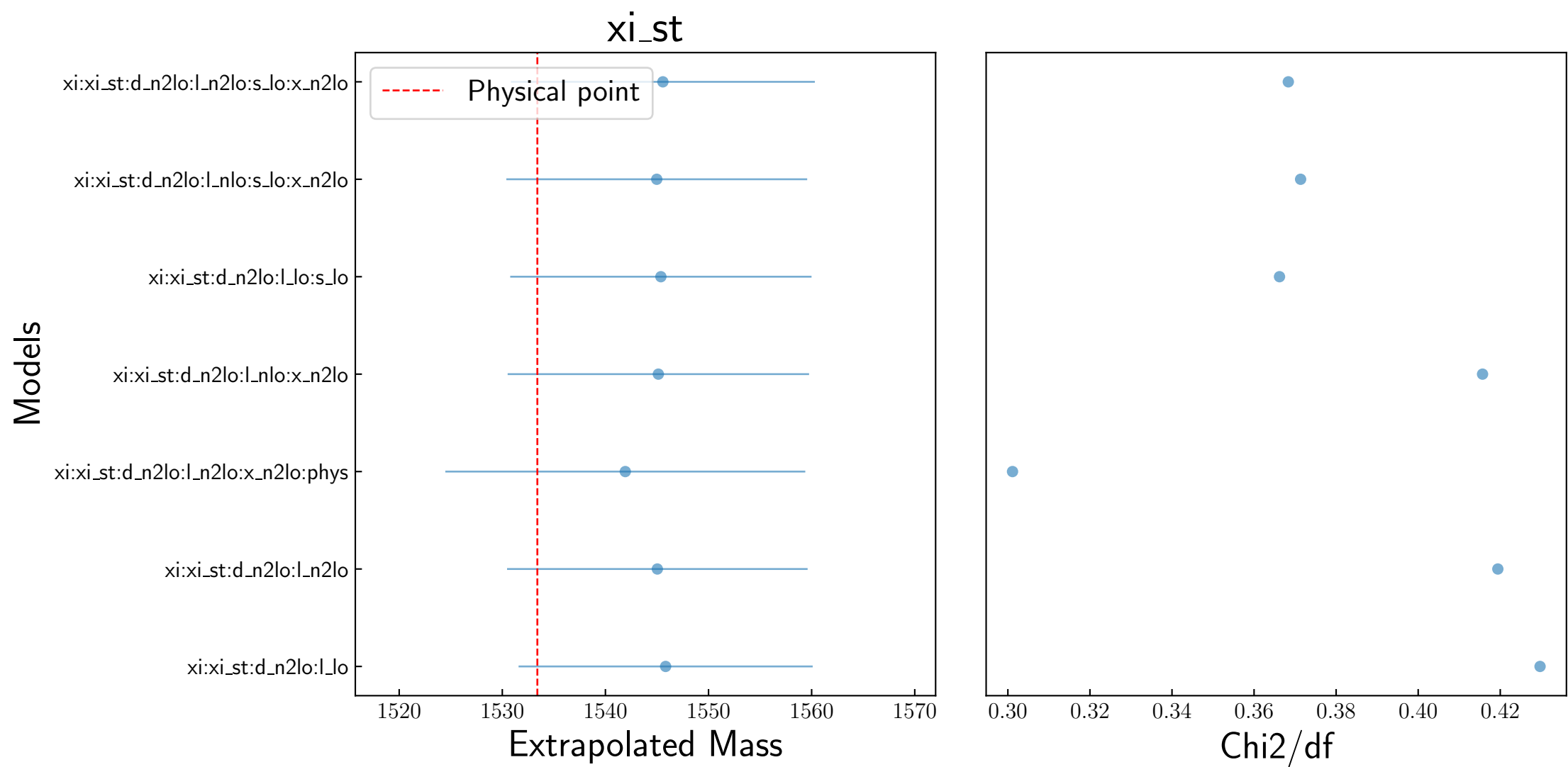
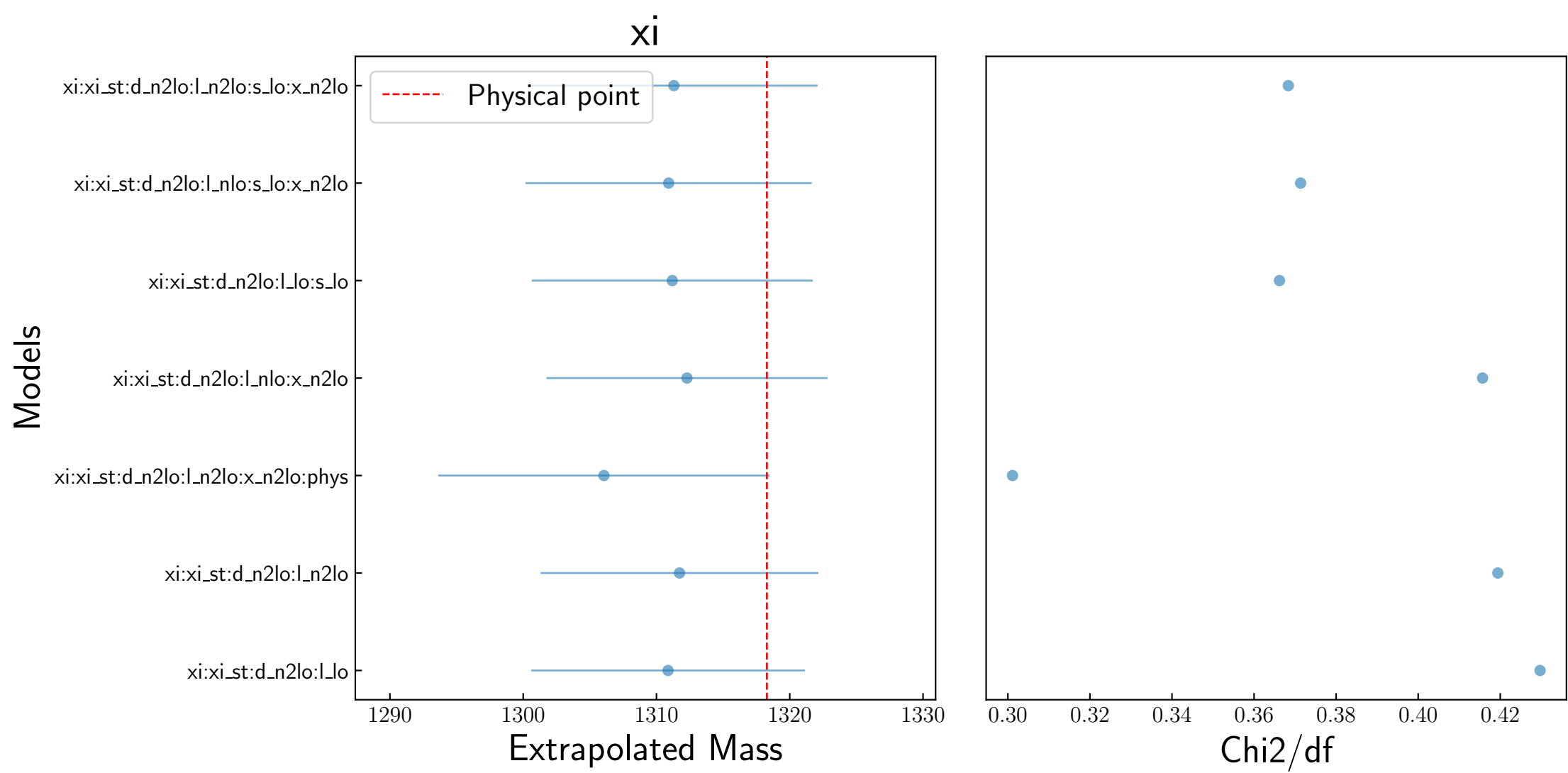
xi:xi_st:d_n2lo:l_nlo:x_n2lo: 0.121620049629579

xi:xi_st:d_n2lo:l_lo:s_lo: 0.0022304740800919323

xi:xi_st:d_n2lo:l_n2lo:s_lo:x_n2lo: 0.0005666774087451733

xi:xi_st:d_n2lo:l_nlo:s_lo:x_n2lo: 0.0004965044681272999

xi:xi_st:d_n2lo:l_n2lo:x_n2lo:phys: 0.0002002967311648262



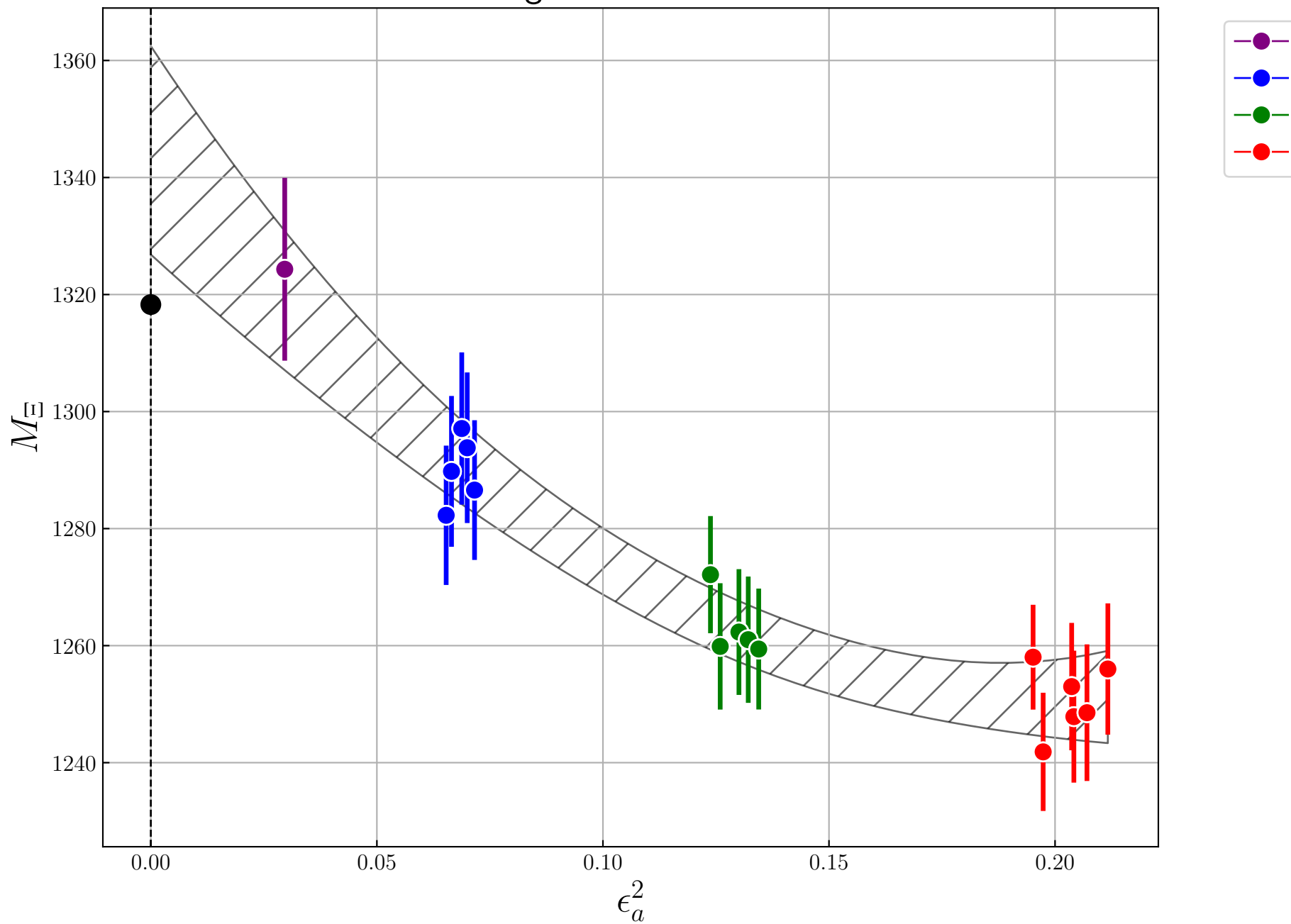
Model:xi:xi_st:d_n2lo:l_lo

Least Square Fit: chi2/dof [dof] = 0.43 [34] Q = 1 logGBF = -146.73

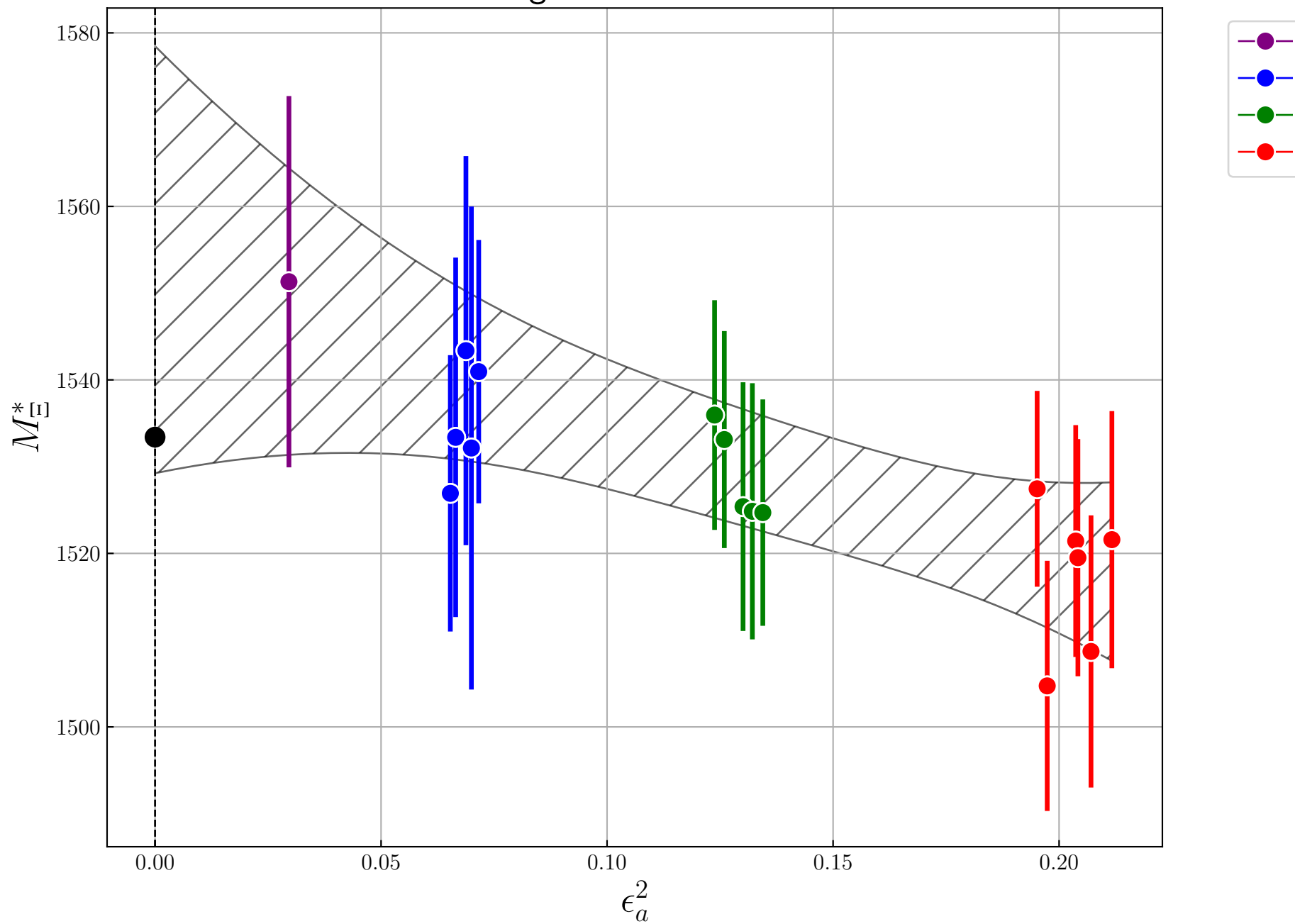
Parameters: m_xi,0 1323 (19) [1000 (400)]
s_xi 1.40 (17) [0.0 (2.0)] d_xi,a -0.66 (19)
[-2.0 (2.0)] d_xi,aa 1.77 (69) [2.0 (4.0)]
d_xi,al -3.5 (1.2) [0.0 (5.0)] m_xi,st,0 1530
(27) [1300 (400)] s_xi,bar 1.52 (23) [0.0
(2.0)] d_xi,st,a -0.08 (23) [0.0 (2.0)]
d_xi,st,aa 0.11 (81) [0.0 (5.0)] d_xi,st,al -3.8
(1.3) [0.0 (5.0)] eps2,a 0 0.029618 (41) [0.029618
(41)] 1 0.065325 (70) [0.065325 (70)]
2 0.066506 (83) [0.066506 (83)] 3 0.06877 (16)
[0.06877 (16)] 4 0.06998 (19) [0.06998 (19)]
5 0.07161 (20) [0.07160 (20)] 6 0.123785 (95)
[0.123786 (95)] 7 0.12594 (12) [0.12594 (12)]
8 0.13008 (23) [0.13008 (23)] 9 0.13214 (20)
[0.13214 (20)] 10 0.13446 (16) [0.13446 (16)]
11 0.19514 (12) [0.19514 (12)] 12 0.19737 (28)
[0.19737 (28)] 13 0.20367 (32) [0.20368 (32)]
14 0.20416 (25) [0.20416 (25)] 15 0.20707 (48)
[0.20706 (48)] 16 0.21168 (56) [0.21168 (56)]
m_pi 0 327.7 (2.9) [327.6 (2.9)] 1 134.5 (1.1)
[134.5 (1.1)] 2 221.4 (1.8) [221.4 (1.8)]
3 318.5 (2.6) [318.4 (2.6)] 4 357.2 (2.9)
[357.1 (2.9)] 5 409.2 (3.3) [409.4 (3.3)]
6 132.3 (1.0) [132.3 (1.0)] 7 219.3 (1.6)
[219.3 (1.6)] 8 308.2 (2.3) [308.1 (2.3)]
9 349.5 (2.6) [349.5 (2.6)] 10 397.9 (2.9)
[397.9 (2.9)] 11 134.68 (90) [134.67 (90)]
12 216.6 (1.5) [216.7 (1.5)] 13 309.9 (2.1)
[309.9 (2.1)] 14 306.7 (2.1) [306.8 (2.1)]
15 347.7 (2.3) [347.8 (2.3)] 16 397.5 (2.7)
[397.3 (2.7)] lam_chi 0 1320 (12) [1320 (12)]
1 1158.6 (9.7) [1158.7 (9.7)] 2 1213 (10)
[1213 (10)] 3 1295 (11) [1294 (11)]
4 1323 (11) [1323 (11)] 5 1373 (11)
[1374 (11)] 6 1169.8 (8.8) [1169.7 (8.8)]
7 1210.0 (9.2) [1210.1 (9.2)] 8 1264.0 (9.5)
[1263.9 (9.5)] 9 1294.1 (9.9) [1294.2 (9.9)]
10 1333.2 (9.9) [1333 (10)] 11 1175.3 (8.0)
[1175.2 (8.0)] 12 1199.3 (8.1) [1199.6 (8.1)]
13 1244.0 (8.4) [1243.8 (8.4)] 14 1251.3 (8.6)
[1251.5 (8.6)] 15 1265.7 (8.6) [1266.0 (8.6)]
16 1306.3 (8.9) [1305.8 (8.9)] eps_pi 0 860.9 (8.1)
[860.6 (8.1)] 1 262.3 (2.2) [262.3 (2.2)]
2 412.4 (3.4) [412.5 (3.4)] 3 556.2 (4.6)
[556.0 (4.6)] 4 610.1 (5.0) [609.9 (5.1)]
5 673.3 (5.5) [673.5 (5.5)] 6 184.9 (1.5)
[184.9 (1.5)] 7 296.4 (2.3) [296.4 (2.3)]
8 398.7 (3.0) [398.7 (3.0)] 9 441.6 (3.4)
[441.6 (3.4)] 10 488.1 (3.6) [488.1 (3.7)]
11 150.3 (1.0) [150.2 (1.0)] 12 236.8 (1.6)
[236.8 (1.6)] 13 326.7 (2.2) [326.7 (2.2)]
14 321.3 (2.2) [321.4 (2.2)] 15 360.1 (2.5)
[360.2 (2.5)] 16 399.1 (2.7) [399.0 (2.7)]

Settings: svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time =
10/0.0)

Single Parameter Fit



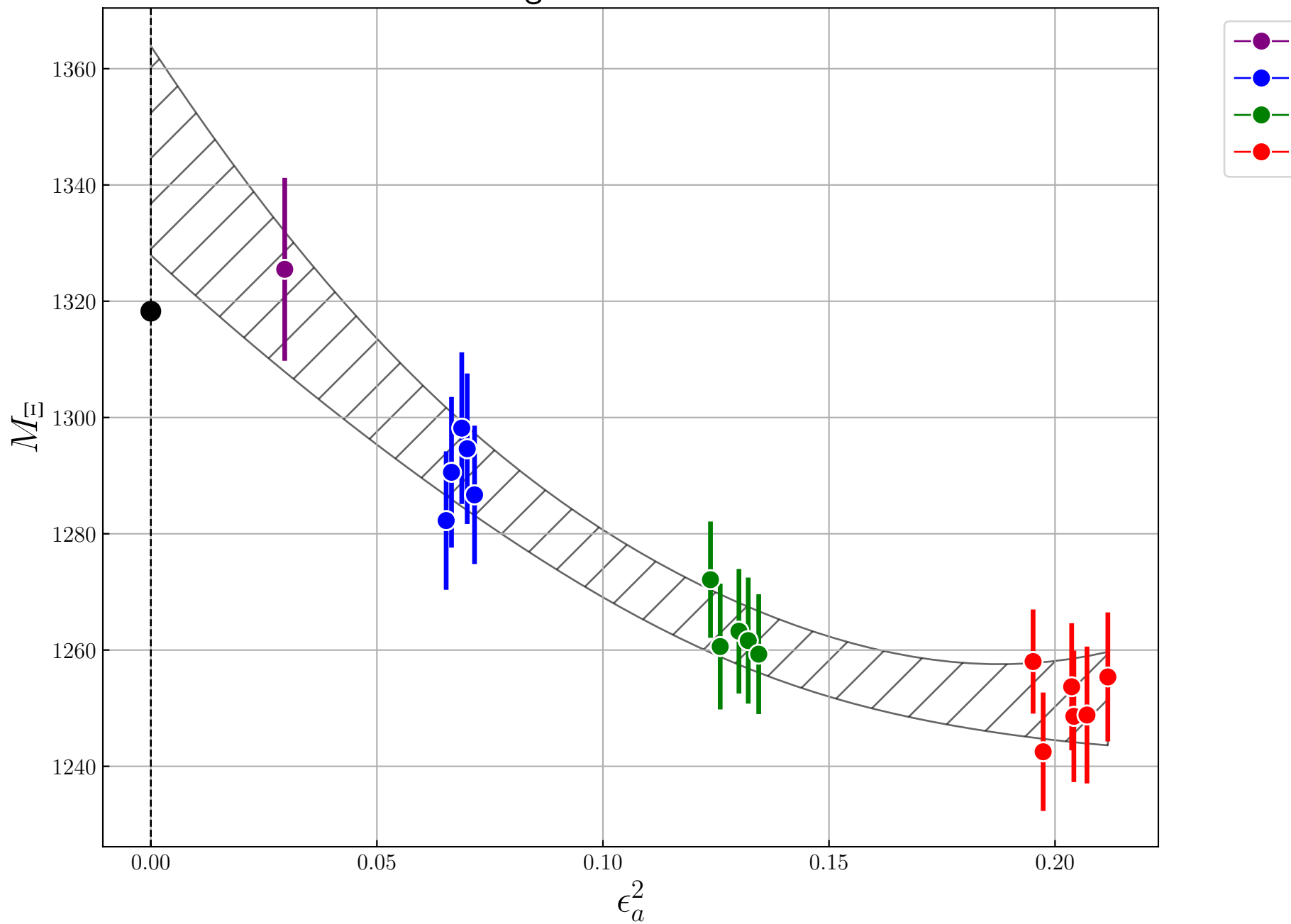
Single Parameter Fit



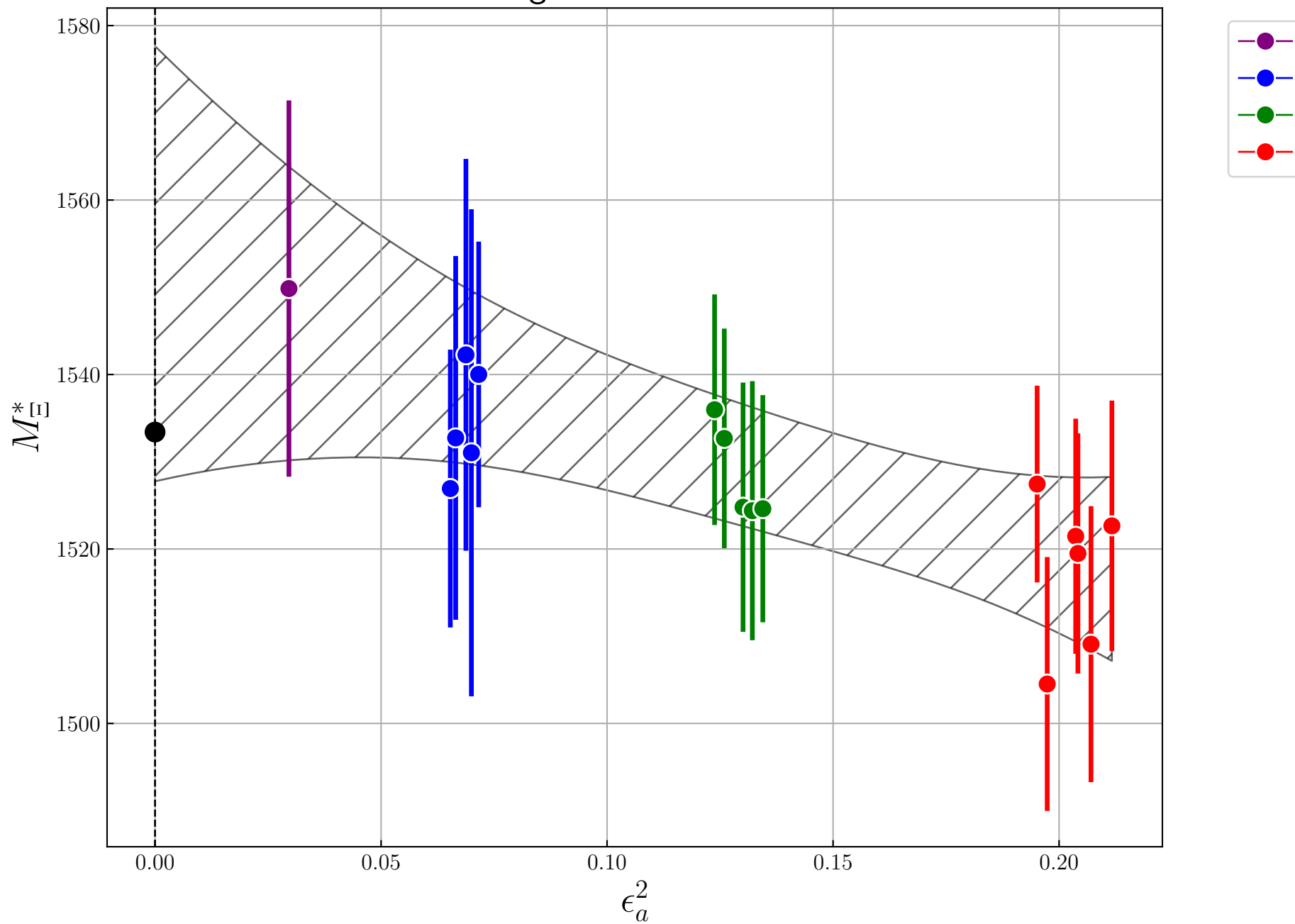
Model:xi:xi_st:d_n2lo:l_n2lo

```
Least Square Fit: chi2/dof [dof] = 0.42 [34] Q = 1 logGBF = -147.75
Parameters: m_xi,0 1325 (20) [ 1000 (400) ]
s_xi 1.34 (23) [ 0.0 (2.0) ] b_xi,4 0.6 (1.6)
[ 0.0 (2.0) ] d_xi,a -0.67 (19) [ -2.0 (2.0) ]
d_xi,aa 1.79 (69) [ 2.0 (4.0) ] d_xi,al -3.4
(1.2) [ 0.0 (5.0) ] m_xi_st,0 1528 (28) [ 1300
(400) ] s_xi,bar 1.57 (34) [ 0.0 (2.0) ]
b_xi_st,4 -0.3 (2.4) [ 0.0 (5.0) ] d_xi_st,a -0.08
(23) [ 0.0 (2.0) ] d_xi_st,aa 0.10 (81) [ 0.0
(5.0) ] d_xi_st,al -4.0 (1.3) [ 0.0 (5.0) ] eps2_a
0 0.029618 (41) [ 0.029618 (41) ] 1 0.065325 (70)
[ 0.065325 (70) ] 2 0.066506 (83) [ 0.066506 (83) ]
3 0.06877 (16) [ 0.06877 (16) ] 4 0.06998 (19)
[ 0.06998 (19) ] 5 0.07161 (20) [ 0.07160 (20) ]
6 0.123785 (95) [ 0.123786 (95) ] 7 0.12594 (12)
[ 0.12594 (12) ] 8 0.13008 (23) [ 0.13008 (23) ]
9 0.13214 (20) [ 0.13214 (20) ] 10 0.13446 (16)
[ 0.13446 (16) ] 11 0.19514 (12) [ 0.19514 (12) ]
12 0.19737 (28) [ 0.19737 (28) ] 13 0.20368 (32)
[ 0.20368 (32) ] 14 0.20416 (25) [ 0.20416 (25) ]
15 0.20707 (48) [ 0.20706 (48) ] 16 0.21167 (56)
[ 0.21168 (56) ] m_pi 0 327.7 (2.9) [ 327.6 (2.9) ]
1 134.5 (1.1) [ 134.5 (1.1) ] 2 221.4 (1.8)
[ 221.4 (1.8) ] 3 318.5 (2.6) [ 318.4 (2.6) ]
4 357.2 (2.9) [ 357.1 (2.9) ] 5 409.2 (3.3)
[ 409.4 (3.3) ] 6 132.3 (1.0) [ 132.3 (1.0) ]
7 219.3 (1.6) [ 219.3 (1.6) ] 8 308.2 (2.3)
[ 308.1 (2.3) ] 9 349.5 (2.6) [ 349.5 (2.6) ]
10 397.9 (2.9) [ 397.9 (2.9) ] 11 134.68 (90)
[ 134.67 (90) ] 12 216.6 (1.5) [ 216.7 (1.5) ]
13 309.9 (2.1) [ 309.9 (2.1) ] 14 306.7 (2.1)
[ 306.8 (2.1) ] 15 347.7 (2.3) [ 347.8 (2.3) ]
16 397.5 (2.7) [ 397.3 (2.7) ] lam_chi 0 1320 (12)
[ 1320 (12) ] 1 1158.6 (9.7) [ 1158.7 (9.7) ]
2 1213 (10) [ 1213 (10) ] 3 1295 (11)
[ 1294 (11) ] 4 1323 (11) [ 1323 (11) ]
5 1373 (11) [ 1374 (11) ] 6 1169.8 (8.8)
[ 1169.7 (8.8) ] 7 1210.1 (9.2) [ 1210.1 (9.2) ]
8 1264.0 (9.5) [ 1263.9 (9.5) ] 9 1294.1 (9.9)
[ 1294.2 (9.9) ] 10 1333.1 (9.9) [ 1333 (10) ]
11 1175.3 (8.0) [ 1175.2 (8.0) ] 12 1199.3 (8.1)
[ 1199.6 (8.1) ] 13 1244.0 (8.4) [ 1243.8 (8.4) ]
14 1251.4 (8.6) [ 1251.5 (8.6) ] 15 1265.7 (8.6)
[ 1266.0 (8.6) ] 16 1306.2 (8.9) [ 1305.8 (8.9) ]
eps_pi 0 860.9 (8.1) [ 860.6 (8.1) ] 1 262.3
(2.2) [ 262.3 (2.2) ] 2 412.4 (3.4) [ 412.5
(3.4) ] 3 556.2 (4.6) [ 556.0 (4.6) ]
4 610.1 (5.0) [ 609.9 (5.1) ] 5 673.2 (5.5)
[ 673.5 (5.5) ] 6 184.9 (1.5) [ 184.9 (1.5) ]
7 296.4 (2.3) [ 296.4 (2.3) ] 8 398.7 (3.0)
[ 398.7 (3.0) ] 9 441.6 (3.4) [ 441.6 (3.4) ]
10 488.0 (3.6) [ 488.1 (3.7) ] 11 150.3 (1.0)
[ 150.2 (1.0) ] 12 236.8 (1.6) [ 236.8 (1.6) ]
13 326.7 (2.2) [ 326.7 (2.2) ] 14 321.3 (2.2)
[ 321.4 (2.2) ] 15 360.1 (2.5) [ 360.2 (2.5) ]
16 399.1 (2.7) [ 399.0 (2.7) ] Settings: svdcut/n = 1e-12/0
tol = (1e-08*,1e-10,1e-10) (itns/time = 10/0.0)
```

Single Parameter Fit



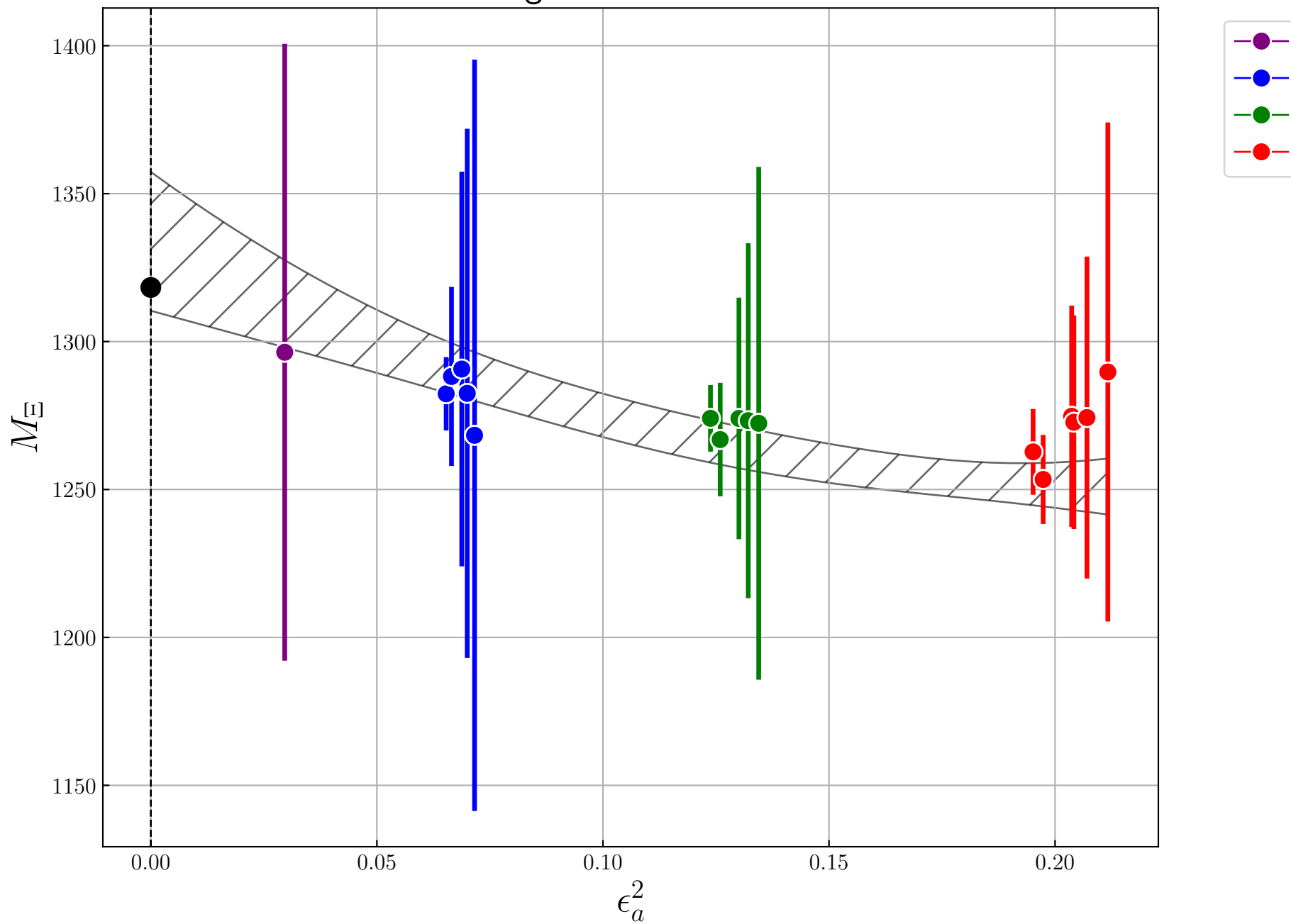
Single Parameter Fit



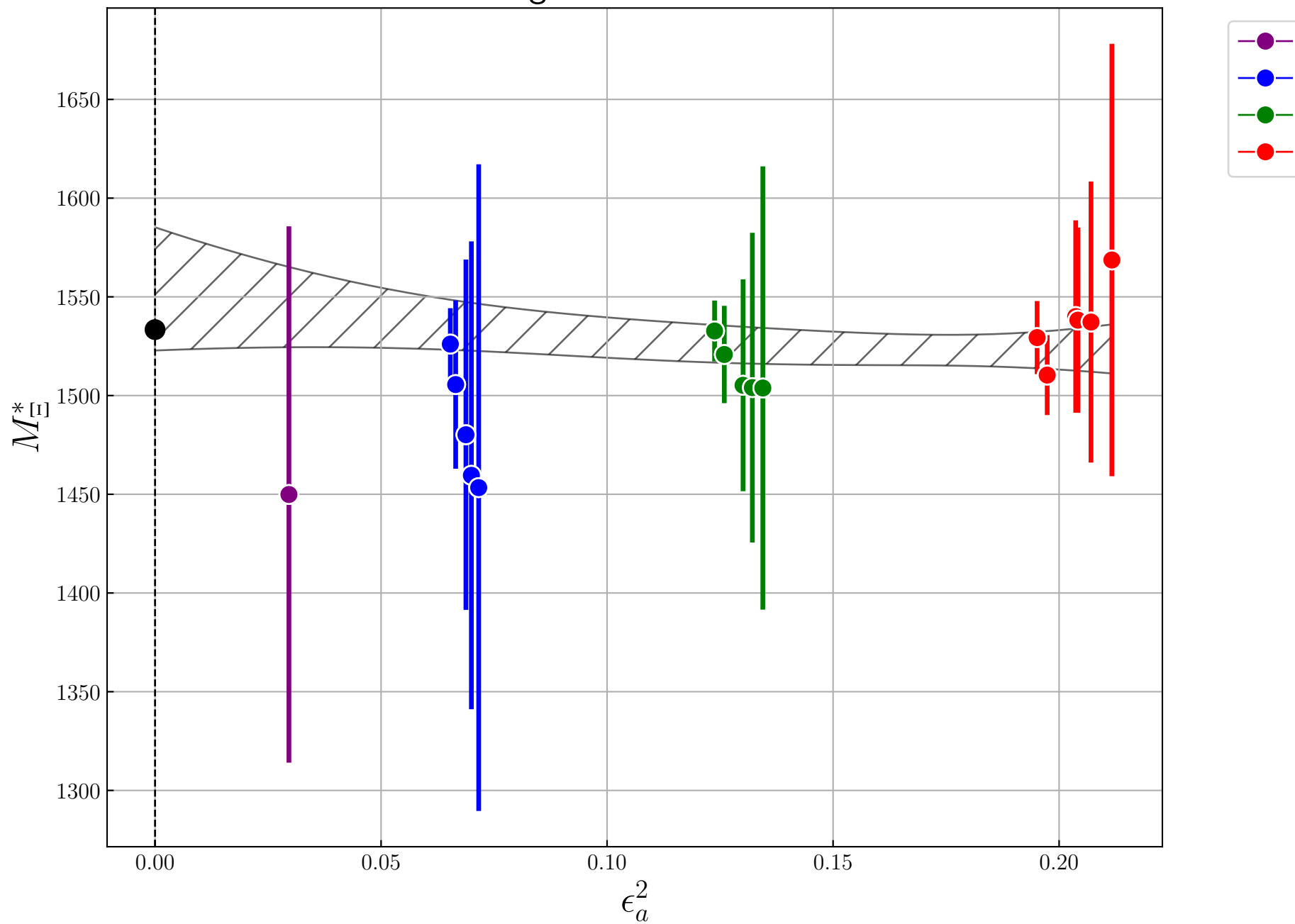
Model:xi:xi_st:d_n2lo:l_n2lo:x_n2lo:phys

Least Square Fit: chi2/dof [dof] = 0.3 [34] Q = 1 logGBF = -154.8
Parameters: m_xi,0 1312 (32) [1000 (400)]
s_xi 1.39 (99) [0.0 (2.0)] b_xi,4 0.06 (1.93)
[0.0 (2.0)] d_xi,a -0.56 (28) [-2.0 (2.0)]
d_xi,aa 1.3 (1.1) [2.0 (4.0)] d_xi,al -1.8
(3.1) [0.0 (5.0)] d_xi,s -0.10 (63) [0.0
(5.0)] d_xi,as 2.2 (3.0) [0.0 (5.0)]
d_xi,ls -0.1 (4.4) [0.0 (5.0)] d_xi,ss -1.1
(3.7) [0.0 (5.0)] g_xi,xi 0.01 (3.97) [0.3
(4.0)] g_xi_st,xi 0.2 (2.4) [0.7 (3.0)]
m_xi_st,0 1547 (40) [1300 (400)] a_xi,4 -0.4
(1.9) [0.0 (2.0)] s_xi,bar 0.5 (1.2) [0.0
(2.0)] b_xi_st,4 0.9 (4.5) [0.0 (5.0)]
d_xi_st,a -0.22 (31) [0.0 (2.0)] d_xi_st,aa 0.6
(1.2) [0.0 (5.0)] d_xi_st,al 0.3 (3.5) [0.0
(5.0)] d_xi_st,s -0.85 (69) [0.0 (5.0)]
d_xi_st,as 4.7 (3.4) [0.0 (7.0)] d_xi_st,ls -0.4
(4.5) [0.0 (5.0)] d_xi_st,ss 1.0 (3.8) [0.0
(5.0)] g_xi_st,xi_st -0.4 (1.6) [-0.8 (2.0)]
a_xi_st,4 -0.1 (1.9) [0.0 (2.0)] m_k 0 562.0
(5.0) [561.8 (5.0)] 1 493.9 (4.0) [493.9
(4.0)] 2 516.9 (4.1) [517.0 (4.2)]
3 545.1 (4.4) [544.9 (4.4)] 4 558.4 (4.5)
[558.3 (4.5)] 5 576.3 (4.6) [576.9 (4.6)]
6 494.0 (3.6) [493.9 (3.6)] 7 507.1 (3.7)
[507.4 (3.7)] 8 530.3 (3.9) [529.9 (3.9)]
9 545.1 (4.0) [545.1 (4.0)] 10 561.3 (4.1)
[561.3 (4.1)] 11 508.0 (3.4) [508.0 (3.4)]
12 507.3 (3.4) [507.3 (3.4)] 13 530.5 (3.5)
[530.6 (3.5)] 14 529.4 (3.5) [529.5 (3.5)]
15 543.1 (3.6) [543.1 (3.6)] 16 560.6 (3.7)
[560.5 (3.7)] eps2_a 0 0.029618 (41) [0.029618 (41)]
1 0.065325 (70) [0.065325 (70)] 2 0.066506 (83)
[0.066506 (83)] 3 0.06877 (16) [0.06877 (16)]
4 0.06998 (19) [0.06998 (19)] 5 0.07160 (20)
[0.07160 (20)] 6 0.123785 (95) [0.123786 (95)]
7 0.12594 (12) [0.12594 (12)] 8 0.13008 (23)
[0.13008 (23)] 9 0.13214 (20) [0.13214 (20)]
10 0.13446 (16) [0.13446 (16)] 11 0.19514 (12)
[0.19514 (12)] 12 0.19737 (28) [0.19737 (28)]
13 0.20368 (32) [0.20368 (32)] 14 0.20416 (25)
[0.20416 (25)] 15 0.20706 (48) [0.20706 (48)]
16 0.21167 (56) [0.21168 (56)] m_pi 0 327.7 (2.9)
[327.6 (2.9)] 1 134.5 (1.1) [134.5 (1.1)]
2 221.4 (1.8) [221.4 (1.8)] 3 318.5 (2.6)
[318.4 (2.6)] 4 357.2 (2.9) [357.1 (2.9)]
5 408.9 (3.3) [409.4 (3.3)] 6 132.3 (1.0)
[132.3 (1.0)] 7 219.2 (1.6) [219.3 (1.6)]
8 308.4 (2.3) [308.1 (2.3)] 9 349.5 (2.6)
[349.5 (2.6)] 10 397.9 (2.9) [397.9 (2.9)]
11 134.67 (90) [134.67 (90)] 12 216.7 (1.5)
[216.7 (1.5)] 13 309.8 (2.1) [309.9 (2.1)]
14 306.8 (2.0) [306.8 (2.1)] 15 347.7 (2.3)
[347.8 (2.3)] 16 397.4 (2.7) [397.3 (2.7)]
lam_chi 0 1320 (12) [1320 (12)] 1 1158.6
(9.7) [1158.7 (9.7)] 2 1213 (10) [1213
(10)] 3 1295 (11) [1294 (11)]
4 1323 (11) [1323 (11)] 5 1373 (11)
[1374 (11)] 6 1169.6 (8.8) [1169.7 (8.8)]
7 1210.2 (9.2) [1210.1 (9.2)] 8 1264.4 (9.5)
[1263.9 (9.5)] 9 1294.2 (9.9) [1294.2 (9.9)]
10 1333.3 (9.9) [1333 (10)] 11 1175.2 (8.0)
[1175.2 (8.0)] 12 1199.7 (8.1) [1199.6 (8.1)]
13 1243.5 (8.3) [1243.8 (8.4)] 14 1251.5 (8.6)
[1251.5 (8.6)] 15 1265.9 (8.6) [1266.0 (8.6)]
16 1306.1 (8.9) [1305.8 (8.9)] eps_pi 0 861.0 (8.0)
[860.6 (8.1)] 1 262.3 (2.2) [262.3 (2.2)]
2 412.4 (3.4) [412.5 (3.4)] 3 556.3 (4.5)
[556.0 (4.6)] 4 610.1 (5.0) [609.9 (5.1)]
5 672.7 (5.5) [673.5 (5.5)] 6 185.0 (1.5)
[184.9 (1.5)] 7 296.1 (2.3) [296.4 (2.3)]
8 399.1 (3.0) [398.7 (3.0)] 9 441.6 (3.4)
[441.6 (3.4)] 10 488.1 (3.6) [488.1 (3.7)]
11 150.2 (1.0) [150.2 (1.0)] 12 236.8 (1.6)
[236.8 (1.6)] 13 326.6 (2.2) [326.7 (2.2)]
14 321.3 (2.2) [321.4 (2.2)] 15 360.1 (2.5)
[360.2 (2.5)] 16 399.1 (2.7) [399.0 (2.7)]
Settings: svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time =
56 / 0.2)

Single Parameter Fit



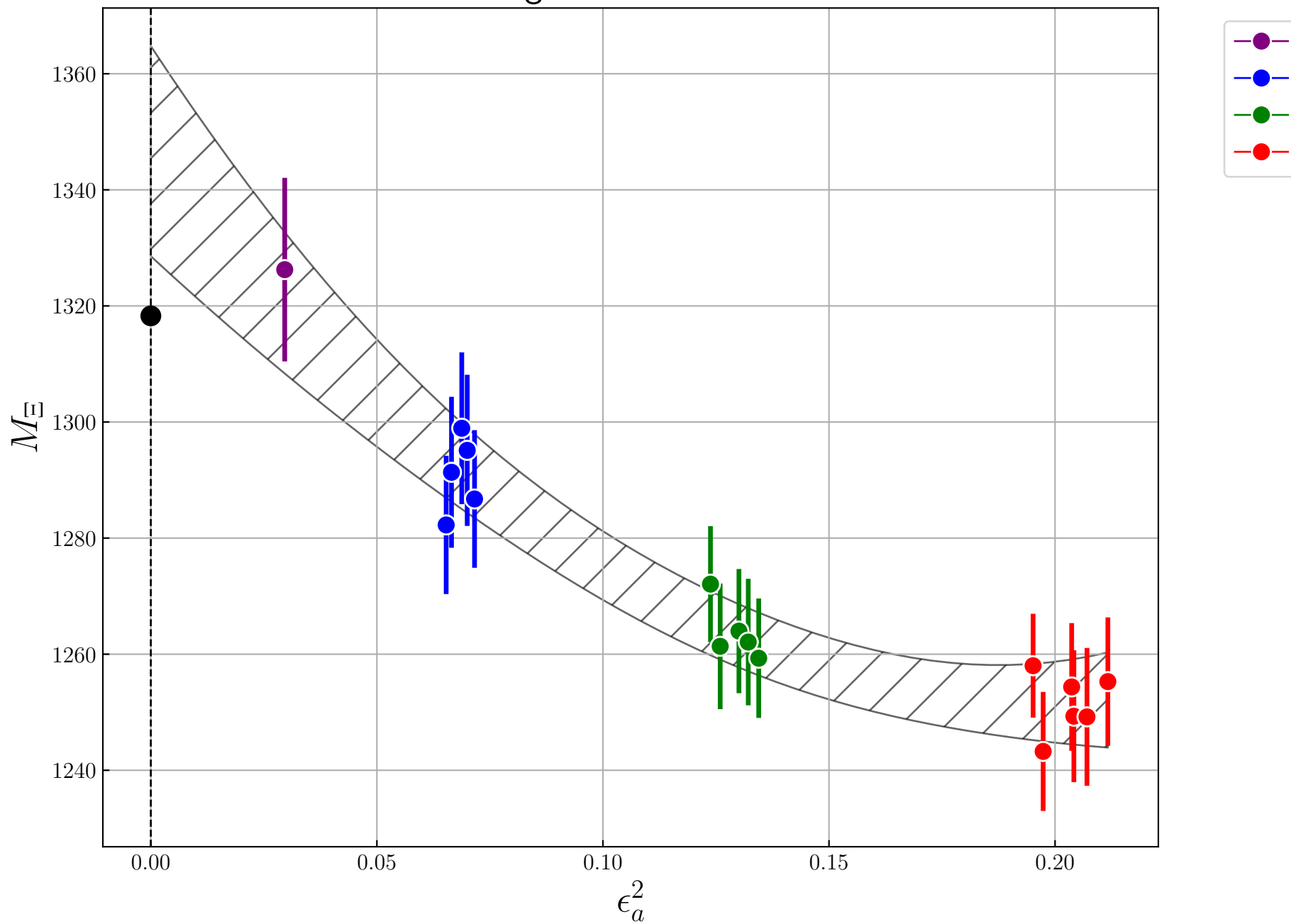
Single Parameter Fit



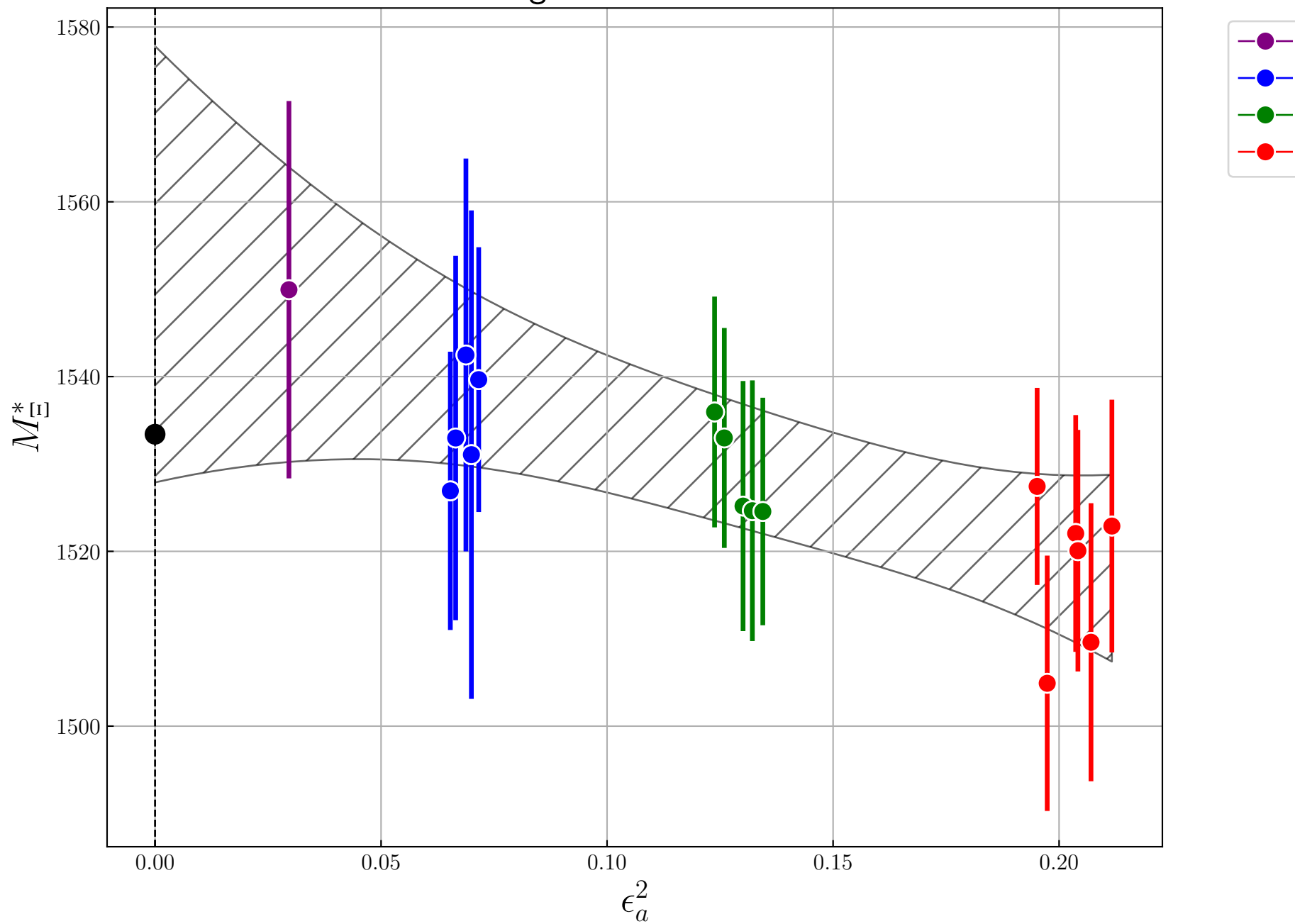
Model:xi:xi_st:d_n2lo:l_nlo:x_n2lo

```
Least Square Fit: chi2/dof [dof] = 0.42 [34] Q = 1 logGBF = -148.39
Parameters: m_xi,0 1327 (21) [ 1000 (400) ]
s_xi 1.25 (51) [ 0.0 (2.0) ] d_xi,a -0.67 (19)
[ -2.0 (2.0) ] d_xi,aa 1.80 (69) [ 2.0 (4.0) ]
d_xi,al -3.4 (1.2) [ 0.0 (5.0) ] g_xi,xi 0.01
(3.98) [ 0.3 (4.0) ] g_xi_st,xi 0.2 (2.1) [ 0.7
(3.0) ] m_xi_st,0 1528 (28) [ 1300 (400) ]
a_xi,4 -0.7 (1.7) [ 0.0 (2.0) ] s_xi,bar 1.57
(56) [ 0.0 (2.0) ] d_xi_st,a -0.08 (23) [ 0.0
(2.0) ] d_xi_st,aa 0.11 (81) [ 0.0 (5.0) ]
d_xi_st,al -4.0 (1.3) [ 0.0 (5.0) ] g_xi_st,xi_st -0.3
(1.4) [ -0.8 (2.0) ] a_xi_st,4 -0.2 (1.8) [ 0.0
(2.0) ] eps2_a 0 0.029617 (41) [ 0.029618 (41) ]
1 0.065325 (70) [ 0.065325 (70) ] 2 0.066506 (83)
[ 0.066506 (83) ] 3 0.06877 (16) [ 0.06877 (16) ]
4 0.06998 (19) [ 0.06998 (19) ] 5 0.07161 (20)
[ 0.07160 (20) ] 6 0.123785 (95) [ 0.123786 (95) ]
7 0.12594 (12) [ 0.12594 (12) ] 8 0.13008 (23)
[ 0.13008 (23) ] 9 0.13214 (20) [ 0.13214 (20) ]
10 0.13446 (16) [ 0.13446 (16) ] 11 0.19514 (12)
[ 0.19514 (12) ] 12 0.19737 (28) [ 0.19737 (28) ]
13 0.20368 (32) [ 0.20368 (32) ] 14 0.20416 (25)
[ 0.20416 (25) ] 15 0.20707 (48) [ 0.20706 (48) ]
16 0.21167 (56) [ 0.21168 (56) ] m_pi 0 327.7 (2.9)
[ 327.6 (2.9) ] 1 134.5 (1.1) [ 134.5 (1.1) ]
2 221.4 (1.8) [ 221.4 (1.8) ] 3 318.5 (2.6)
[ 318.4 (2.6) ] 4 357.2 (2.9) [ 357.1 (2.9) ]
5 409.2 (3.3) [ 409.4 (3.3) ] 6 132.3 (1.0)
[ 132.3 (1.0) ] 7 219.3 (1.6) [ 219.3 (1.6) ]
8 308.2 (2.3) [ 308.1 (2.3) ] 9 349.5 (2.6)
[ 349.5 (2.6) ] 10 397.8 (2.9) [ 397.9 (2.9) ]
11 134.68 (90) [ 134.67 (90) ] 12 216.6 (1.5)
[ 216.7 (1.5) ] 13 309.9 (2.1) [ 309.9 (2.1) ]
14 306.8 (2.1) [ 306.8 (2.1) ] 15 347.7 (2.3)
[ 347.8 (2.3) ] 16 397.5 (2.7) [ 397.3 (2.7) ]
lam_chi 0 1320 (12) [ 1320 (12) ] 1 1158.6
(9.7) [ 1158.7 (9.7) ] 2 1213 (10) [ 1213
(10) ] 3 1295 (11) [ 1294 (11) ]
4 1323 (11) [ 1323 (11) ] 5 1373 (11)
[ 1374 (11) ] 6 1169.8 (8.8) [ 1169.7 (8.8) ]
7 1210.2 (9.2) [ 1210.1 (9.2) ] 8 1264.0 (9.5)
[ 1263.9 (9.5) ] 9 1294.1 (9.9) [ 1294.2 (9.9) ]
10 1333.0 (9.9) [ 1333 (10) ] 11 1175.3 (8.0)
[ 1175.2 (8.0) ] 12 1199.3 (8.1) [ 1199.6 (8.1) ]
13 1244.0 (8.4) [ 1243.8 (8.4) ] 14 1251.5 (8.6)
[ 1251.5 (8.6) ] 15 1265.7 (8.6) [ 1266.0 (8.6) ]
16 1306.2 (8.9) [ 1305.8 (8.9) ] eps_pi 0 860.9 (8.1)
[ 860.6 (8.1) ] 1 262.3 (2.2) [ 262.3 (2.2) ]
2 412.4 (3.4) [ 412.5 (3.4) ] 3 556.2 (4.6)
[ 556.0 (4.6) ] 4 610.1 (5.0) [ 609.9 (5.1) ]
5 673.2 (5.5) [ 673.5 (5.5) ] 6 184.9 (1.5)
[ 184.9 (1.5) ] 7 296.4 (2.3) [ 296.4 (2.3) ]
8 398.8 (3.0) [ 398.7 (3.0) ] 9 441.6 (3.4)
[ 441.6 (3.4) ] 10 488.0 (3.6) [ 488.1 (3.7) ]
11 150.3 (1.0) [ 150.2 (1.0) ] 12 236.8 (1.6)
[ 236.8 (1.6) ] 13 326.7 (2.2) [ 326.7 (2.2) ]
14 321.3 (2.2) [ 321.4 (2.2) ] 15 360.1 (2.5)
[ 360.2 (2.5) ] 16 399.1 (2.7) [ 399.0 (2.7) ]
Settings: svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time =
74/0.2)
```

Single Parameter Fit



Single Parameter Fit



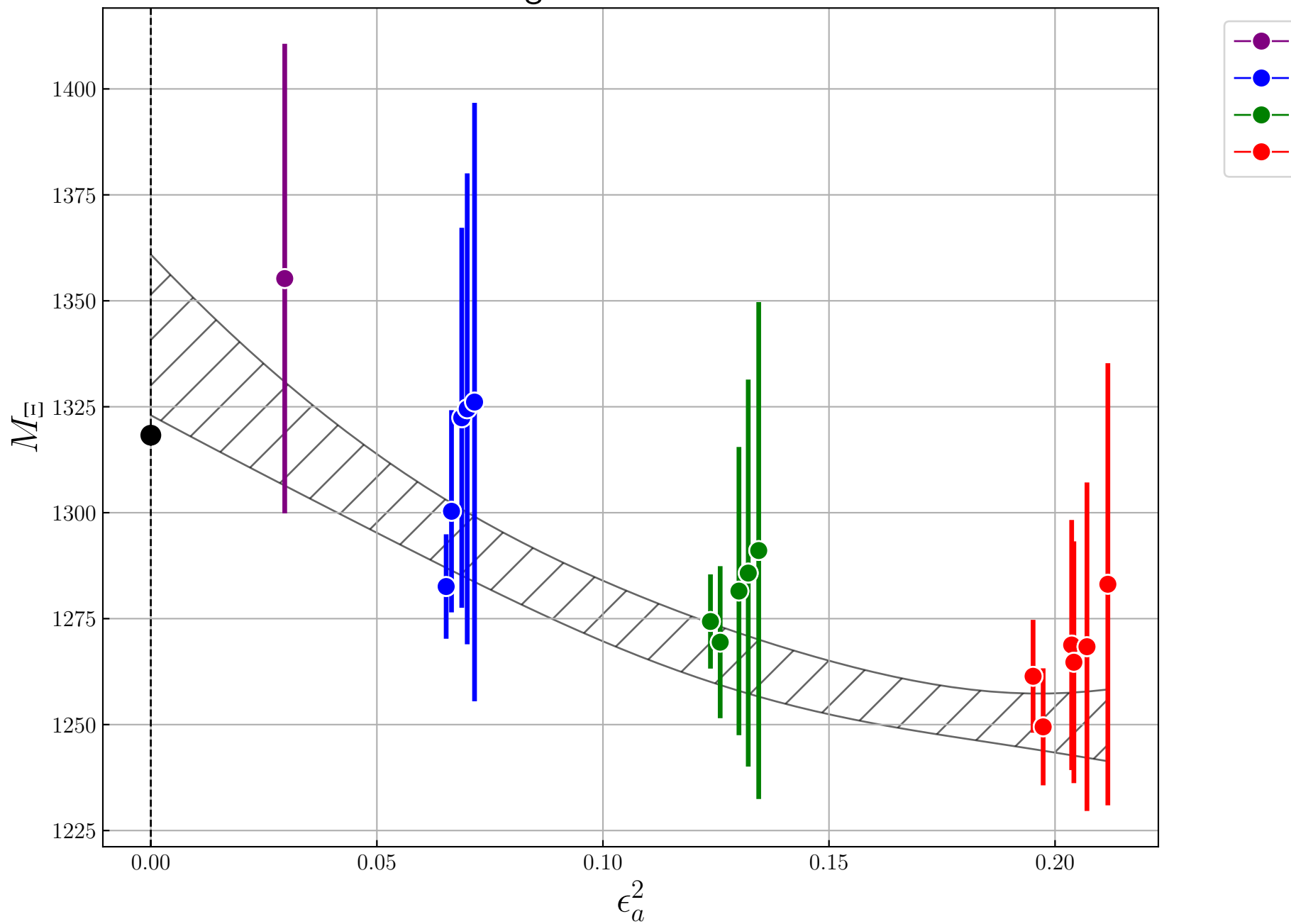
Model:xi:xi_st:d_n2lo:l_lo:s_lo

Least Square Fit: chi2/dof [dof] = 0.37 [34] Q = 1 logGBF = -152.39

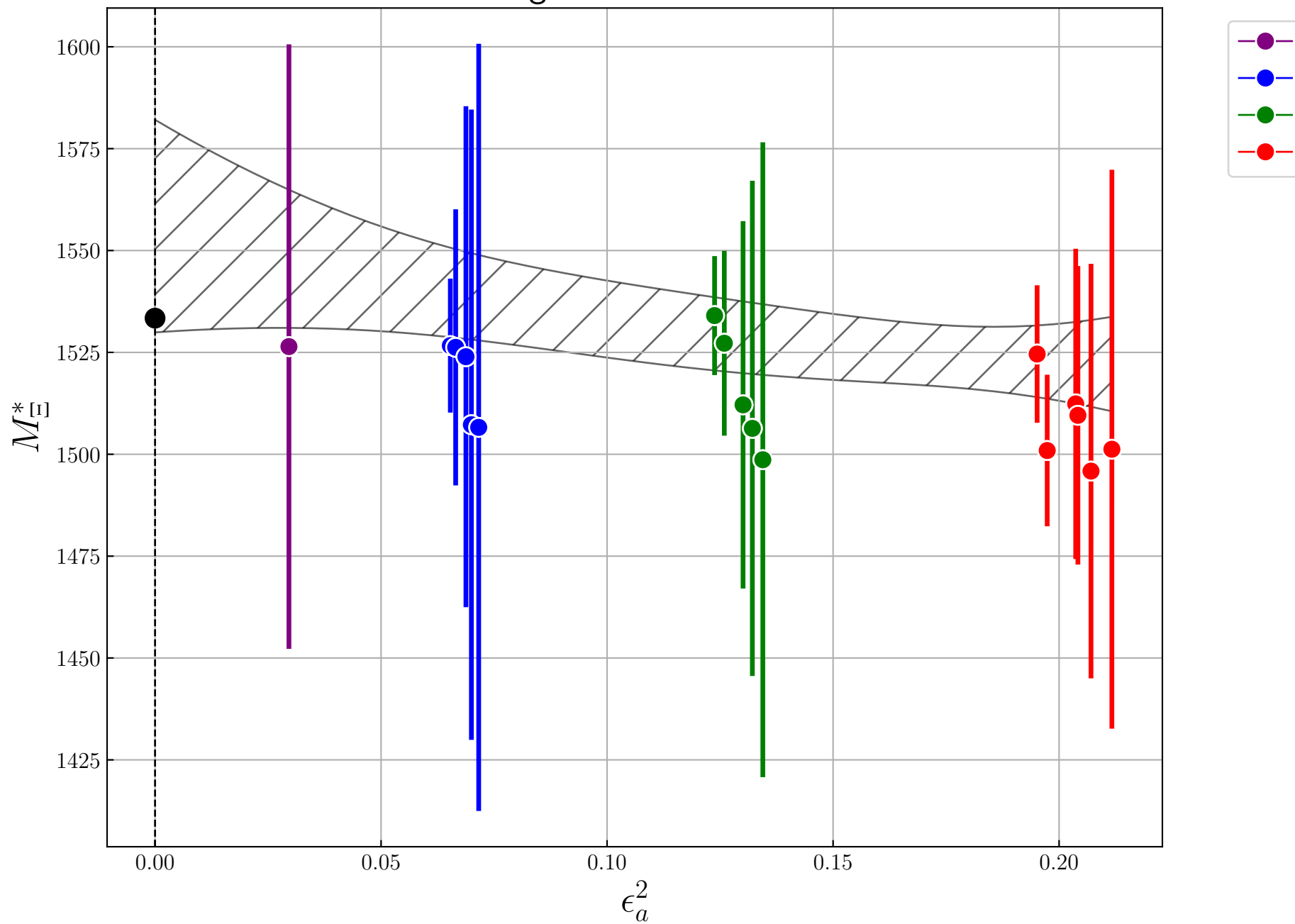
Parameters: m_xi,0 1316 (24) [1000 (400)]
s_xi 1.62 (49) [0.0 (2.0)] b_xi,4 -0.02 (1.71)
[0.0 (2.0)] d_xi,a -0.60 (23) [-2.0 (2.0)]
d_xi,aa 1.47 (88) [2.0 (4.0)] d_xi,al -3.4
(1.2) [0.0 (5.0)] d_xi,s 0.22 (38) [0.0
(5.0)] m_xi_st,0 1536 (33) [1300 (400)]
s_xi_bar 1.23 (72) [0.0 (2.0)] b_xi_st,4 1.5
(2.9) [0.0 (5.0)] d_xi_st,a -0.13 (27) [0.0
(2.0)] d_xi_st,aa 0.4 (1.0) [0.0 (5.0)]
d_xi_st,al -4.1 (1.4) [0.0 (5.0)] d_xi_st,s -0.16
(44) [0.0 (5.0)] m_k 0 562.0 (5.0) [561.8
(5.0)] 1 493.8 (4.0) [493.9 (4.0)]
2 516.9 (4.1) [517.0 (4.2)] 3 545.2 (4.4)
[544.9 (4.4)] 4 558.5 (4.5) [558.3 (4.5)]
5 576.5 (4.6) [576.9 (4.6)] 6 494.0 (3.6)
[493.9 (3.6)] 7 507.2 (3.7) [507.4 (3.7)]
8 530.1 (3.9) [529.9 (3.9)] 9 545.1 (4.0)
[545.1 (4.0)] 10 561.2 (4.1) [561.3 (4.1)]
11 508.1 (3.4) [508.0 (3.4)] 12 507.3 (3.4)
[507.3 (3.4)] 13 530.6 (3.5) [530.6 (3.5)]
14 529.4 (3.5) [529.5 (3.5)] 15 543.0 (3.6)
[543.1 (3.6)] 16 560.7 (3.7) [560.5 (3.7)]
eps2_a 0 0.029618 (41) [0.029618 (41)] 1 0.065325
(70) [0.065325 (70)] 2 0.066506 (83) [0.066506
(83)] 3 0.06877 (16) [0.06877 (16)]
4 0.06998 (19) [0.06998 (19)] 5 0.07160 (20)
[0.07160 (20)] 6 0.123785 (95) [0.123786 (95)]
7 0.12594 (12) [0.12594 (12)] 8 0.13008 (23)
[0.13008 (23)] 9 0.13214 (20) [0.13214 (20)]
10 0.13446 (16) [0.13446 (16)] 11 0.19514 (12)
[0.19514 (12)] 12 0.19737 (28) [0.19737 (28)]
13 0.20367 (32) [0.20368 (32)] 14 0.20416 (25)
[0.20416 (25)] 15 0.20707 (48) [0.20706 (48)]
16 0.21168 (56) [0.21168 (56)] m_pi 0 327.8 (2.9)
[327.6 (2.9)] 1 134.5 (1.1) [134.5 (1.1)]
2 221.4 (1.8) [221.4 (1.8)] 3 318.5 (2.6)
[318.4 (2.6)] 4 357.2 (2.9) [357.1 (2.9)]
5 409.1 (3.3) [409.4 (3.3)] 6 132.3 (1.0)
[132.3 (1.0)] 7 219.3 (1.6) [219.3 (1.6)]
8 308.3 (2.3) [308.1 (2.3)] 9 349.5 (2.6)
[349.5 (2.6)] 10 397.9 (2.9) [397.9 (2.9)]
11 134.67 (90) [134.67 (90)] 12 216.7 (1.5)
[216.7 (1.5)] 13 309.9 (2.1) [309.9 (2.1)]
14 306.7 (2.0) [306.8 (2.1)] 15 347.7 (2.3)
[347.8 (2.3)] 16 397.5 (2.7) [397.3 (2.7)]
lam_chi 0 1320 (12) [1320 (12)] 1 1158.7
(9.7) [1158.7 (9.7)] 2 1213 (10) [1213
(10)] 3 1295 (11) [1294 (11)]
4 1324 (11) [1323 (11)] 5 1373 (11)
[1374 (11)] 6 1169.6 (8.8) [1169.7 (8.8)]
7 1210.3 (9.2) [1210.1 (9.2)] 8 1264.2 (9.5)
[1263.9 (9.5)] 9 1294.1 (9.9) [1294.2 (9.9)]
10 1333.0 (9.9) [1333 (10)] 11 1175.3 (8.0)
[1175.2 (8.0)] 12 1199.4 (8.1) [1199.6 (8.1)]
13 1243.9 (8.4) [1243.8 (8.4)] 14 1251.5 (8.6)
[1251.5 (8.6)] 15 1265.7 (8.6) [1266.0 (8.6)]
16 1306.2 (8.9) [1305.8 (8.9)] eps_pi 0 861.1 (8.1)
[860.6 (8.1)] 1 262.2 (2.2) [262.3 (2.2)]
2 412.4 (3.4) [412.5 (3.4)] 3 556.3 (4.5)
[556.0 (4.6)] 4 610.2 (5.0) [609.9 (5.1)]
5 673.0 (5.5) [673.5 (5.5)] 6 185.0 (1.5)
[184.9 (1.5)] 7 296.2 (2.3) [296.4 (2.3)]
8 398.9 (3.0) [398.7 (3.0)] 9 441.6 (3.4)
[441.6 (3.4)] 10 488.0 (3.6) [488.1 (3.7)]
11 150.2 (1.0) [150.2 (1.0)] 12 236.8 (1.6)
[236.8 (1.6)] 13 326.7 (2.2) [326.7 (2.2)]
14 321.3 (2.2) [321.4 (2.2)] 15 360.1 (2.5)
[360.2 (2.5)] 16 399.1 (2.7) [399.0 (2.7)]

Settings: svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time =
15/0.1)

Single Parameter Fit



Single Parameter Fit



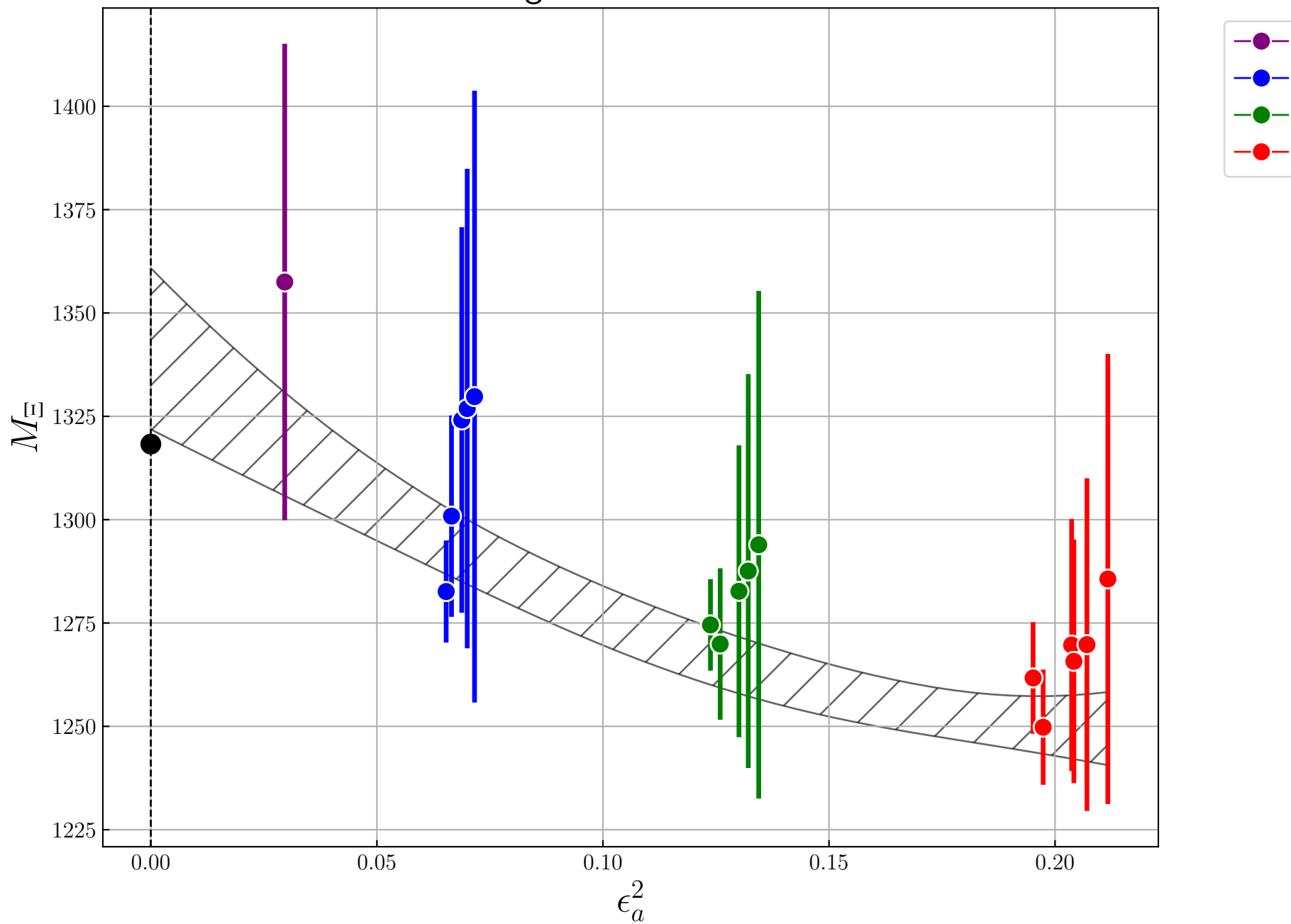
Model:xi:xi_st:d_n2lo:l_nlo:s_lo:x_n2lo

Least Square Fit: chi2/dof [dof] = 0.37 [34] Q = 1 logGBF = -153.89

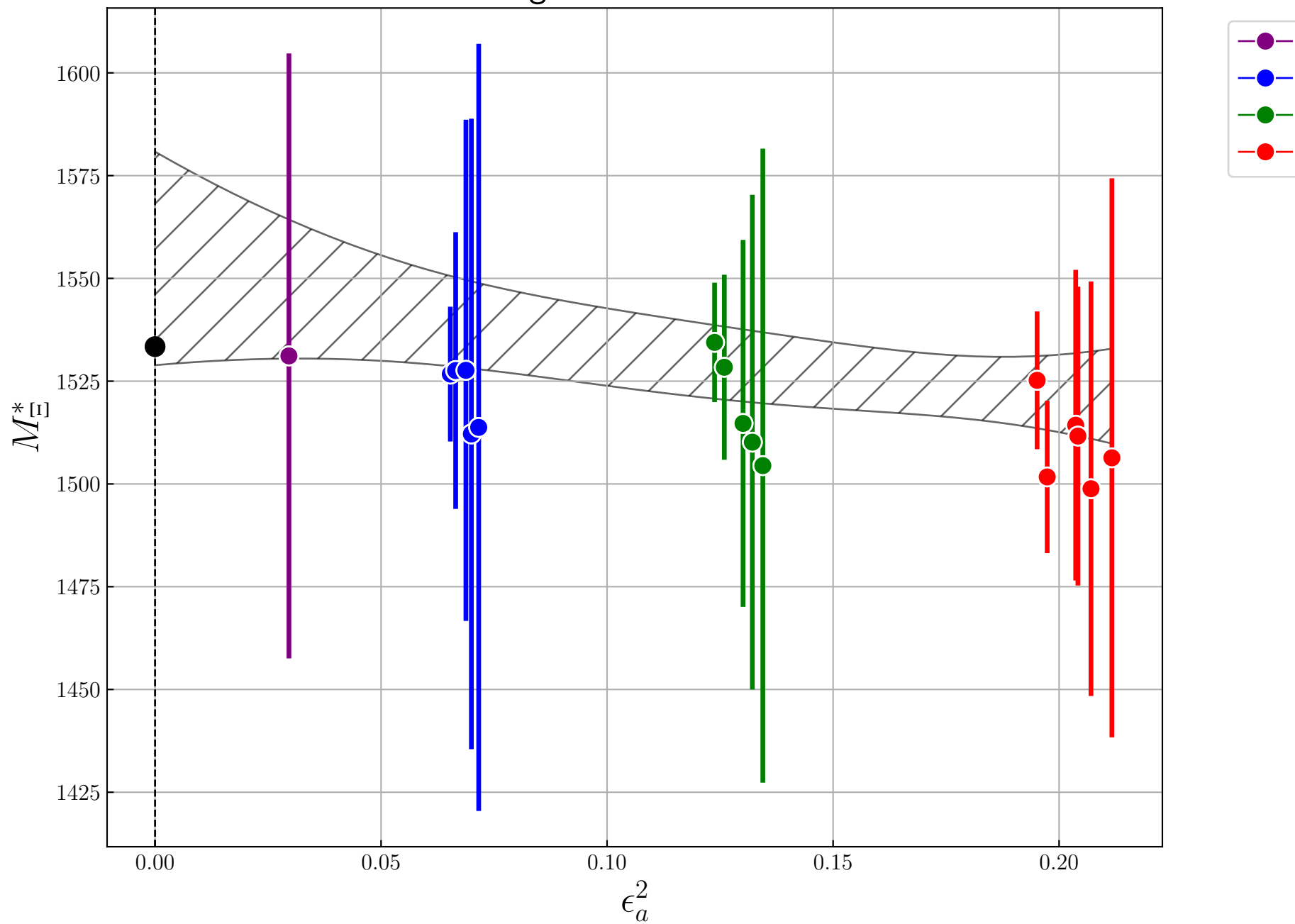
Parameters: m_xi,0 1315 (26) [1000 (400)]
s_xi 1.77 (84) [0.0 (2.0)] d_xi,a -0.59 (23)
[-2.0 (2.0)] d_xi,aa 1.44 (91) [2.0 (4.0)]
d_xi,al -3.4 (1.2) [0.0 (5.0)] d_xi,s 0.24
(41) [0.0 (5.0)] g_xi,xi 0.02 (3.98) [0.3
(4.0)] g_xi,st,xi 0.47 (80) [0.7 (3.0)]
m_xi,st,0 1534 (33) [1300 (400)] a_xi,4 -0.4
(1.9) [0.0 (2.0)] s_xi,bar 1.23 (87) [0.0
(2.0)] d_xi,st,a -0.12 (27) [0.0 (2.0)]
d_xi,st,aa 0.3 (1.0) [0.0 (5.0)] d_xi,st,al -4.1
(1.4) [0.0 (5.0)] d_xi,st,s -0.12 (43) [0.0
(5.0)] g_xi,st,xi_st -0.2 (1.8) [-0.8 (2.0)]
a_xi,st,4 -0.4 (1.8) [0.0 (2.0)] m_k 0 562.0
(5.0) [561.8 (5.0)] 1 493.8 (4.0) [493.9
(4.0)] 2 516.9 (4.1) [517.0 (4.2)]
3 545.1 (4.4) [544.9 (4.4)] 4 558.4 (4.5)
[558.3 (4.5)] 5 576.6 (4.6) [576.9 (4.6)]
6 493.9 (3.6) [493.9 (3.6)] 7 507.2 (3.7)
[507.4 (3.7)] 8 530.1 (3.9) [529.9 (3.9)]
9 545.1 (4.0) [545.1 (4.0)] 10 561.2 (4.1)
[561.3 (4.1)] 11 508.1 (3.4) [508.0 (3.4)]
12 507.2 (3.4) [507.3 (3.4)] 13 530.7 (3.5)
[530.6 (3.5)] 14 529.4 (3.5) [529.5 (3.5)]
15 543.0 (3.6) [543.1 (3.6)] 16 560.7 (3.7)
[560.5 (3.7)] eps2,a 0 0.029618 (41) [0.029618 (41)]
1 0.065325 (70) [0.065325 (70)] 2 0.066506 (83)
[0.066506 (83)] 3 0.06877 (16) [0.06877 (16)]
4 0.06998 (19) [0.06998 (19)] 5 0.07160 (20)
[0.07160 (20)] 6 0.123785 (95) [0.123786 (95)]
7 0.12594 (12) [0.12594 (12)] 8 0.13008 (23)
[0.13008 (23)] 9 0.13214 (20) [0.13214 (20)]
10 0.13446 (16) [0.13446 (16)] 11 0.19514 (12)
[0.19514 (12)] 12 0.19737 (28) [0.19737 (28)]
13 0.20367 (32) [0.20368 (32)] 14 0.20416 (25)
[0.20416 (25)] 15 0.20707 (48) [0.20706 (48)]
16 0.21167 (56) [0.21168 (56)] m_pi 0 327.8 (2.9)
[327.6 (2.9)] 1 134.5 (1.1) [134.5 (1.1)]
2 221.4 (1.8) [221.4 (1.8)] 3 318.5 (2.6)
[318.4 (2.6)] 4 357.2 (2.9) [357.1 (2.9)]
5 409.1 (3.3) [409.4 (3.3)] 6 132.3 (1.0)
[132.3 (1.0)] 7 219.3 (1.6) [219.3 (1.6)]
8 308.2 (2.3) [308.1 (2.3)] 9 349.5 (2.6)
[349.5 (2.6)] 10 397.9 (2.9) [397.9 (2.9)]
11 134.67 (90) [134.67 (90)] 12 216.7 (1.5)
[216.7 (1.5)] 13 309.9 (2.1) [309.9 (2.1)]
14 306.7 (2.1) [306.8 (2.1)] 15 347.7 (2.3)
[347.8 (2.3)] 16 397.5 (2.7) [397.3 (2.7)]
lam_chi 0 1320 (12) [1320 (12)] 1 1158.7
(9.7) [1158.7 (9.7)] 2 1213 (10) [1213
(10)] 3 1295 (11) [1294 (11)]
4 1323 (11) [1323 (11)] 5 1373 (11)
[1374 (11)] 6 1169.6 (8.8) [1169.7 (8.8)]
7 1210.3 (9.2) [1210.1 (9.2)] 8 1264.1 (9.5)
[1263.9 (9.5)] 9 1294.1 (9.9) [1294.2 (9.9)]
10 1333.0 (9.9) [1333 (10)] 11 1175.3 (8.0)
[1175.2 (8.0)] 12 1199.4 (8.1) [1199.6 (8.1)]
13 1243.9 (8.4) [1243.8 (8.4)] 14 1251.5 (8.6)
[1251.5 (8.6)] 15 1265.7 (8.6) [1266.0 (8.6)]
16 1306.2 (8.9) [1305.8 (8.9)] eps_pi 0 861.1 (8.1)
[860.6 (8.1)] 1 262.2 (2.2) [262.3 (2.2)]
2 412.4 (3.4) [412.5 (3.4)] 3 556.3 (4.6)
[556.0 (4.6)] 4 610.1 (5.0) [609.9 (5.1)]
5 673.1 (5.5) [673.5 (5.5)] 6 185.0 (1.5)
[184.9 (1.5)] 7 296.2 (2.3) [296.4 (2.3)]
8 398.9 (3.0) [398.7 (3.0)] 9 441.6 (3.4)
[441.6 (3.4)] 10 488.0 (3.6) [488.1 (3.7)]
11 150.2 (1.0) [150.2 (1.0)] 12 236.8 (1.6)
[236.8 (1.6)] 13 326.7 (2.2) [326.7 (2.2)]
14 321.3 (2.2) [321.4 (2.2)] 15 360.1 (2.5)
[360.2 (2.5)] 16 399.1 (2.7) [399.0 (2.7)]

Settings: svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time = 46/0.2)

Single Parameter Fit



Single Parameter Fit



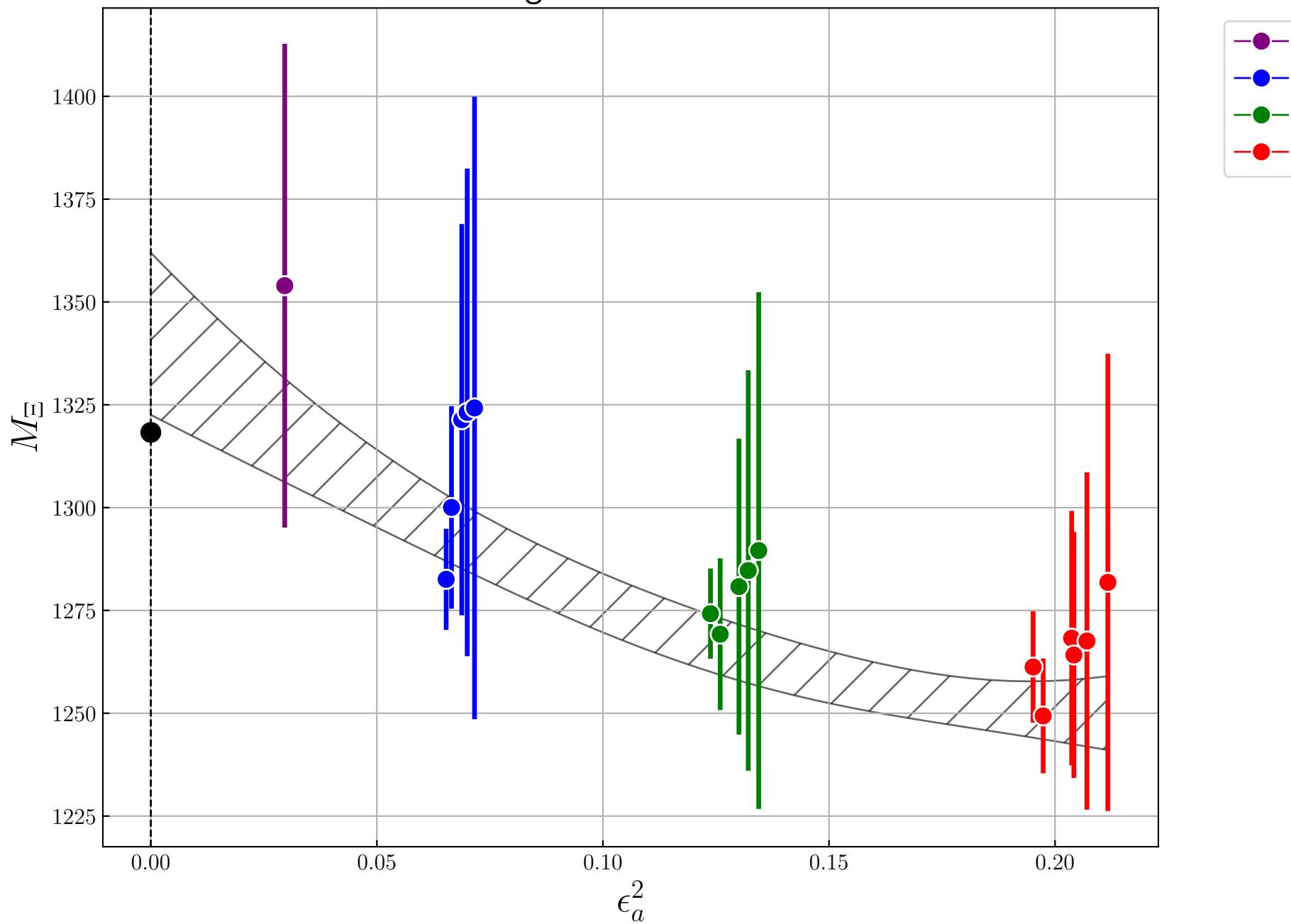
Model:xi:xi_st:d_n2lo:l_n2lo:s_lo:x_n2lo

Least Square Fit: chi2/dof [dof] = 0.37 [34] Q = 1 logGBF = -153.76

Parameters: m_xi,0 1317 (27) [1000 (400)]
s_xi 1.63 (93) [0.0 (2.0)] b_xi,4 -0.01 (1.95)
[0.0 (2.0)] d_xi,a -0.60 (24) [-2.0 (2.0)]
d_xi,aa 1.49 (92) [2.0 (4.0)] d_xi,al -3.4
(1.2) [0.0 (5.0)] d_xi,s 0.21 (42) [0.0
(5.0)] g_xi,xi 0.02 (3.97) [0.3 (4.0)]
g_xi_st,xi 0.3 (1.4) [0.7 (3.0)] m_xi_st,0 1537
(34) [1300 (400)] a_xi,4 -0.4 (1.9) [0.0
(2.0)] s_xi,bar 1.17 (93) [0.0 (2.0)]
b_xi_st,4 1.3 (4.2) [0.0 (5.0)] d_xi_st,a -0.14
(27) [0.0 (2.0)] d_xi_st,aa 0.4 (1.1) [0.0
(5.0)] d_xi_st,al -4.1 (1.4) [0.0 (5.0)]
d_xi_st,s -0.17 (45) [0.0 (5.0)] g_xi_st,xi_st -0.2
(1.8) [-0.8 (2.0)] a_xi_st,4 -0.3 (1.9) [0.0
(2.0)] m_k 0 562.0 (5.0) [561.8 (5.0)]
1 493.8 (4.0) [493.9 (4.0)] 2 516.9 (4.1)
[517.0 (4.2)] 3 545.2 (4.4) [544.9 (4.4)]
4 558.5 (4.5) [558.3 (4.5)] 5 576.5 (4.6)
[576.9 (4.6)] 6 493.9 (3.6) [493.9 (3.6)]
7 507.2 (3.7) [507.4 (3.7)] 8 530.1 (3.9)
[529.9 (3.9)] 9 545.1 (4.0) [545.1 (4.0)]
10 561.2 (4.1) [561.3 (4.1)] 11 508.1 (3.4)
[508.0 (3.4)] 12 507.3 (3.4) [507.3 (3.4)]
13 530.6 (3.5) [530.6 (3.5)] 14 529.4 (3.5)
[529.5 (3.5)] 15 543.0 (3.6) [543.1 (3.6)]
16 560.6 (3.7) [560.5 (3.7)] eps2_a 0 0.029618 (41)
[0.029618 (41)] 1 0.065325 (70) [0.065325 (70)]
2 0.066506 (83) [0.066506 (83)] 3 0.06877 (16)
[0.06877 (16)] 4 0.06998 (19) [0.06998 (19)]
5 0.07160 (20) [0.07160 (20)] 6 0.123785 (95)
[0.123786 (95)] 7 0.12594 (12) [0.12594 (12)]
8 0.13008 (23) [0.13008 (23)] 9 0.13214 (20)
[0.13214 (20)] 10 0.13446 (16) [0.13446 (16)]
11 0.19514 (12) [0.19514 (12)] 12 0.19737 (28)
[0.19737 (28)] 13 0.20367 (32) [0.20368 (32)]
14 0.20416 (25) [0.20416 (25)] 15 0.20707 (48)
[0.20706 (48)] 16 0.21168 (56) [0.21168 (56)]
m_pi 0 327.8 (2.9) [327.6 (2.9)] 1 134.5 (1.1)
[134.5 (1.1)] 2 221.4 (1.8) [221.4 (1.8)]
3 318.5 (2.6) [318.4 (2.6)] 4 357.2 (2.9)
[357.1 (2.9)] 5 409.1 (3.3) [409.4 (3.3)]
6 132.3 (1.0) [132.3 (1.0)] 7 219.3 (1.6)
[219.3 (1.6)] 8 308.2 (2.3) [308.1 (2.3)]
9 349.5 (2.6) [349.5 (2.6)] 10 397.9 (2.9)
[397.9 (2.9)] 11 134.67 (90) [134.67 (90)]
12 216.7 (1.5) [216.7 (1.5)] 13 309.9 (2.1)
[309.9 (2.1)] 14 306.7 (2.0) [306.8 (2.1)]
15 347.7 (2.3) [347.8 (2.3)] 16 397.5 (2.7)
[397.3 (2.7)] lam_chi 0 1320 (12) [1320 (12)]
1 1158.7 (9.7) [1158.7 (9.7)] 2 1213 (10)
[1213 (10)] 3 1295 (11) [1294 (11)]
4 1324 (11) [1323 (11)] 5 1373 (11)
[1374 (11)] 6 1169.6 (8.8) [1169.7 (8.8)]
7 1210.3 (9.2) [1210.1 (9.2)] 8 1264.1 (9.5)
[1263.9 (9.5)] 9 1294.1 (9.9) [1294.2 (9.9)]
10 1333.0 (9.9) [1333 (10)] 11 1175.3 (8.0)
[1175.2 (8.0)] 12 1199.4 (8.1) [1199.6 (8.1)]
13 1243.9 (8.4) [1243.8 (8.4)] 14 1251.5 (8.6)
[1251.5 (8.6)] 15 1265.7 (8.6) [1266.0 (8.6)]
16 1306.2 (8.9) [1305.8 (8.9)] eps_pi 0 861.1 (8.1)
[860.6 (8.1)] 1 262.2 (2.2) [262.3 (2.2)]
2 412.4 (3.4) [412.5 (3.4)] 3 556.3 (4.6)
[556.0 (4.6)] 4 610.1 (5.0) [609.9 (5.1)]
5 673.0 (5.5) [673.5 (5.5)] 6 185.0 (1.5)
[184.9 (1.5)] 7 296.2 (2.3) [296.4 (2.3)]
8 398.9 (3.0) [398.7 (3.0)] 9 441.6 (3.4)
[441.6 (3.4)] 10 488.0 (3.6) [488.1 (3.7)]
11 150.2 (1.0) [150.2 (1.0)] 12 236.8 (1.6)
[236.8 (1.6)] 13 326.7 (2.2) [326.7 (2.2)]
14 321.3 (2.2) [321.4 (2.2)] 15 360.1 (2.5)
[360.2 (2.5)] 16 399.1 (2.7) [399.0 (2.7)]

Settings: svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time = 54/0.2)

Single Parameter Fit



Single Parameter Fit

