

Effective mass

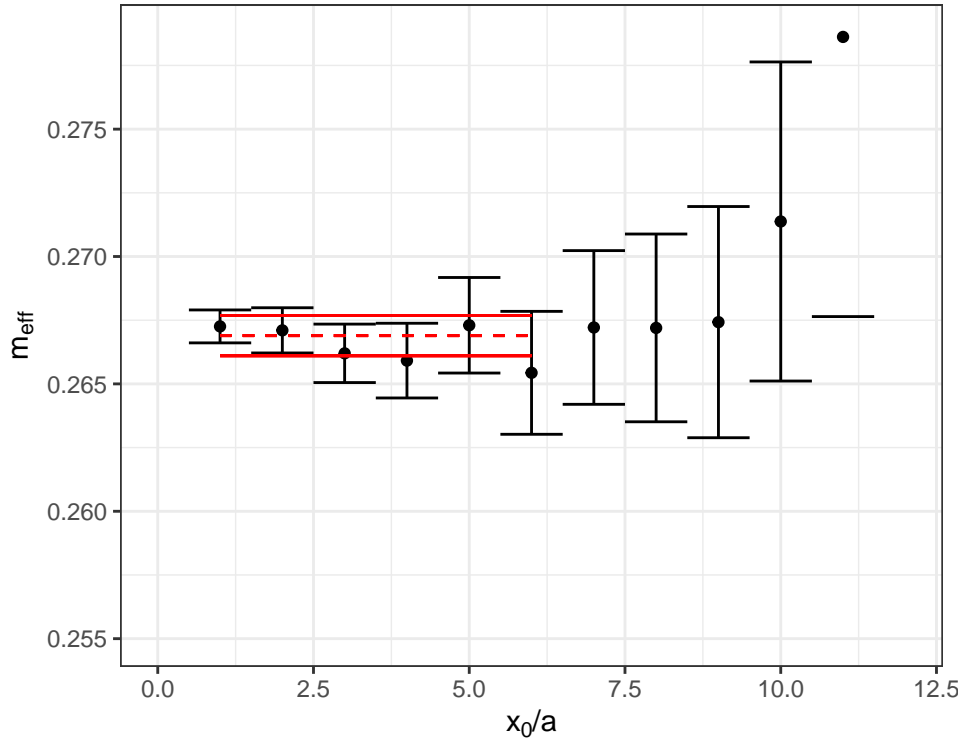
MG

T 24 L 6

$m_0^2 = -4.9$ $m_1^2 = -4.9$ $\lambda_0^2 = 2.5$ $\lambda_1^2 = 2.5$ $\mu^2 = 5$ $g^2 = 0$ replica = 0

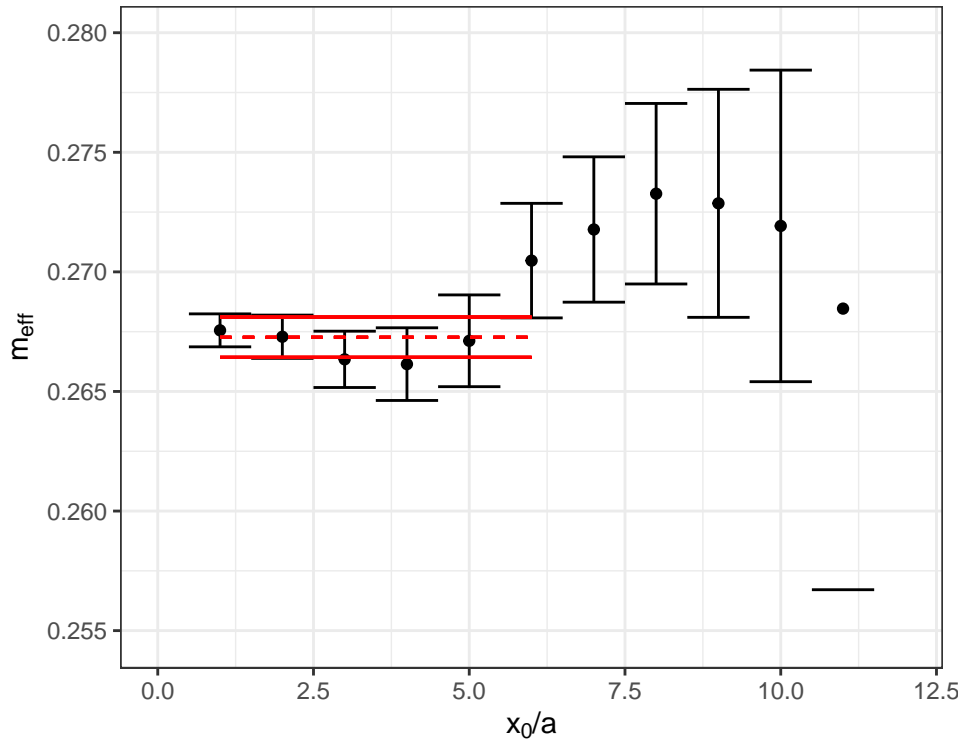
index n= 0

fit: $m_{eff} = 0.266896 \pm 0.000787$



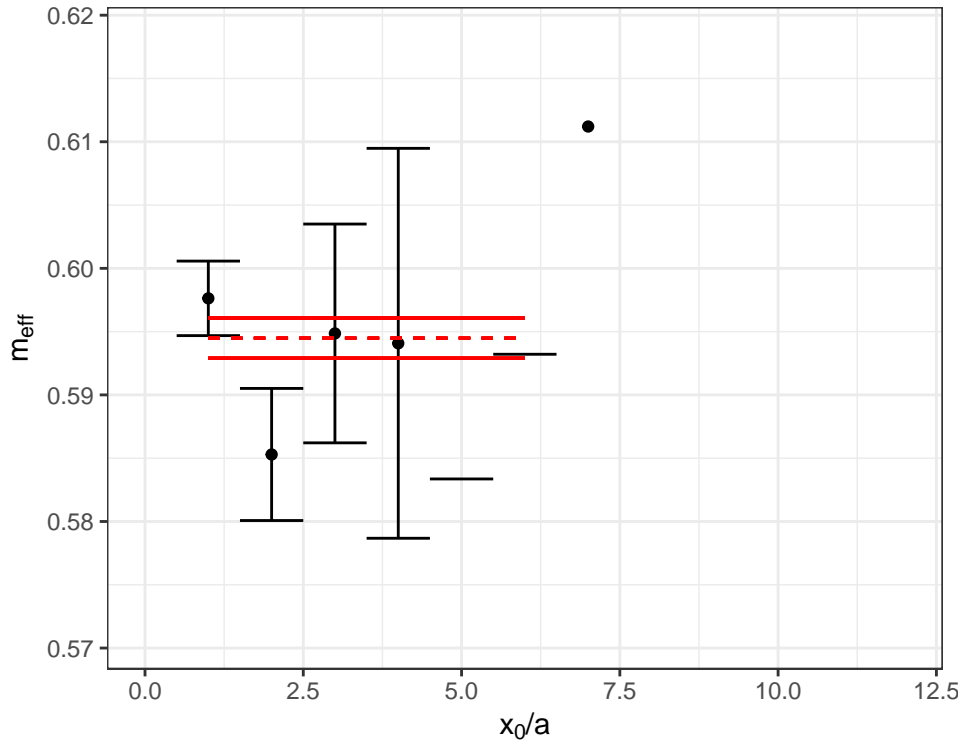
index n= 1

fit: $m_{eff} = 0.267266 \pm 0.000839$



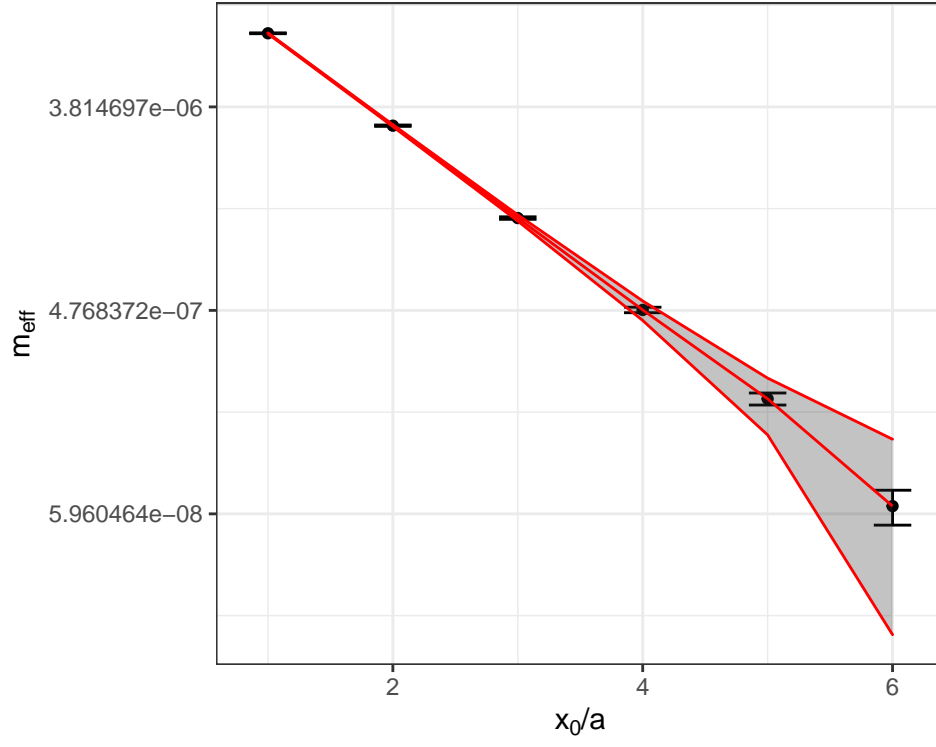
Two particle energy index $n=0$

fit: $m_{\text{eff}} = 0.594487 \pm 0.001585$



index $n=1$

Three particle energy fit: $m_{eff} = 0.943337 \pm 0.007287$

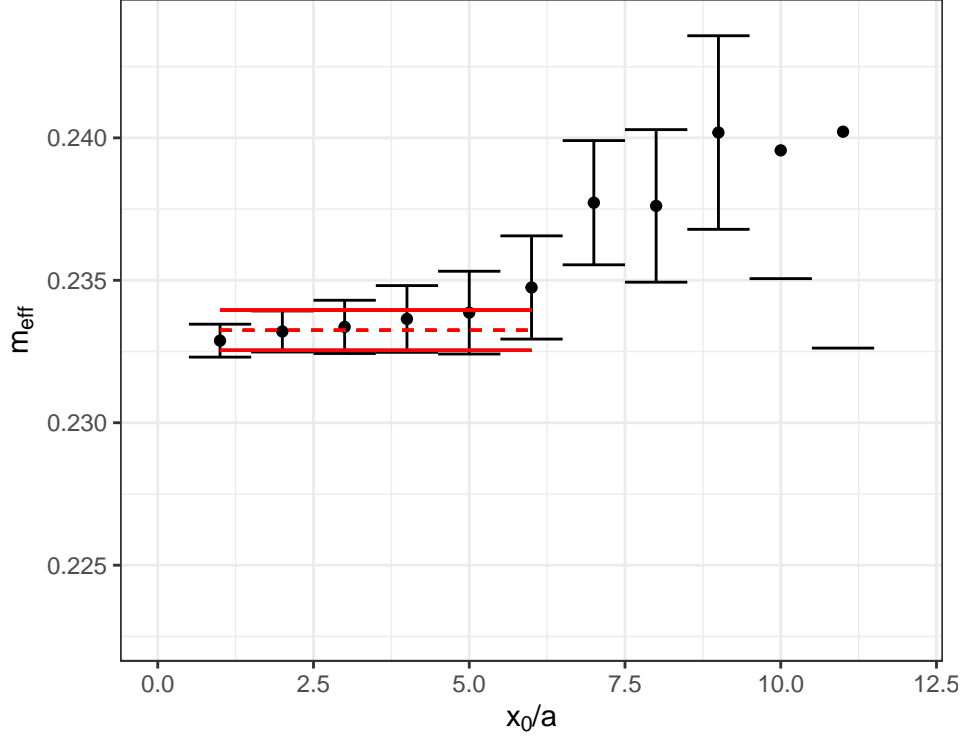


T 24 L 8

$m_0^2 = -4.9$ $m_1^2 = -4.9$ $\lambda_0^2 = 2.5$ $\lambda_1^2 = 2.5$ $\mu^2 = 5$ $g^2 = 0$ replica = 0

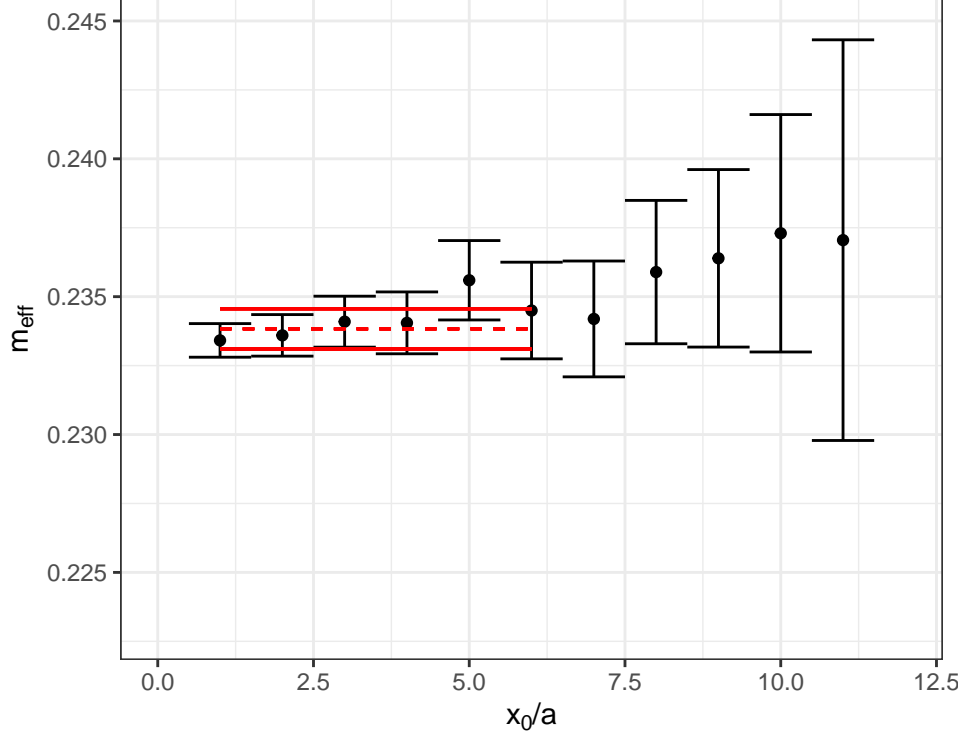
index n= 0

fit: $m_{eff} = 0.233247 \pm 0.000704$



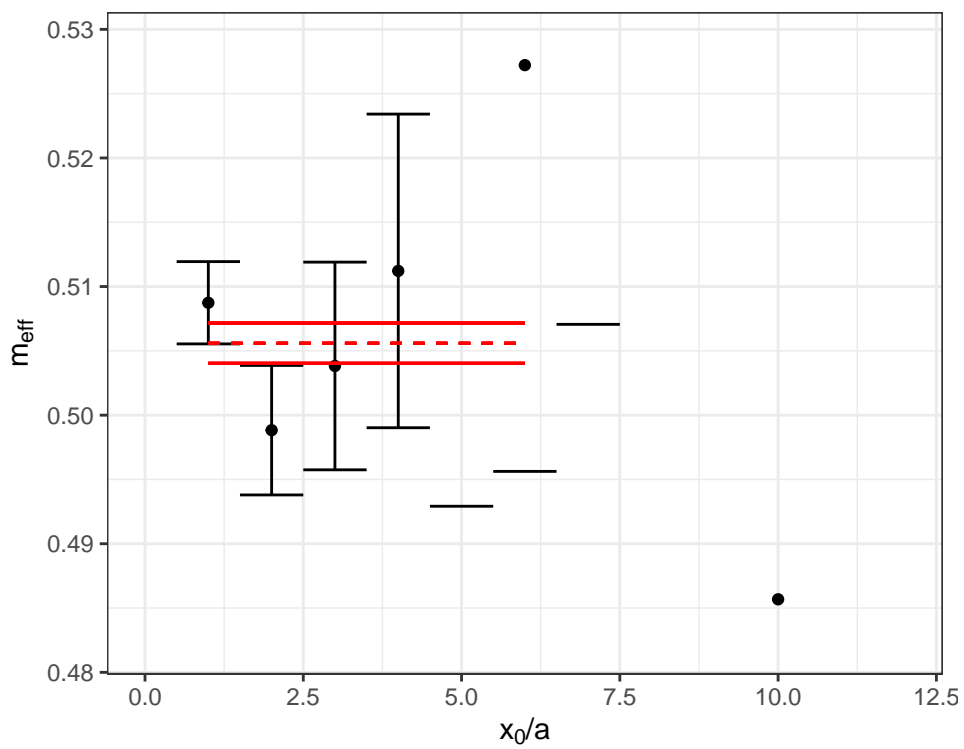
index n= 1

fit: $m_{\text{eff}} = 0.233833 \pm 0.000728$



Two particle energy index n= 0

fit: $m_{\text{eff}} = 0.505590 \pm 0.001560$



index n= 1

Three particle energy fit: $m_{\text{eff}} = 0.524375 \pm 0.002457$

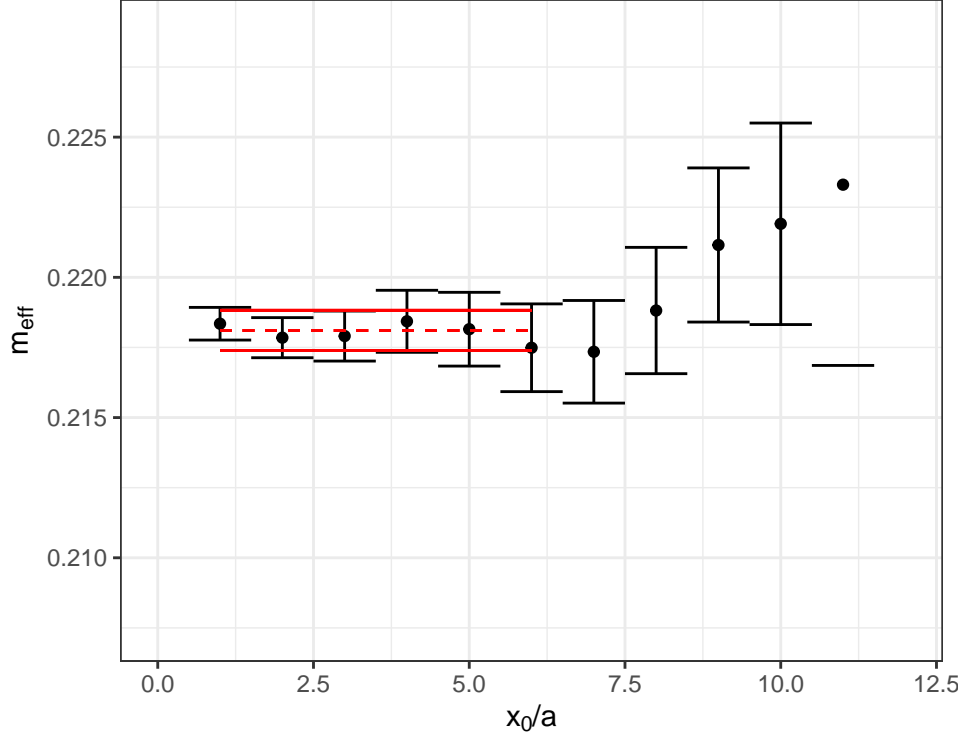


T 24 L 10

$m_0^2 = -4.9$ $m_1^2 = -4.9$ $\lambda_0^2 = 2.5$ $\lambda_1^2 = 2.5$ $\mu^2 = 5$ $g^2 = 0$ replica = 0

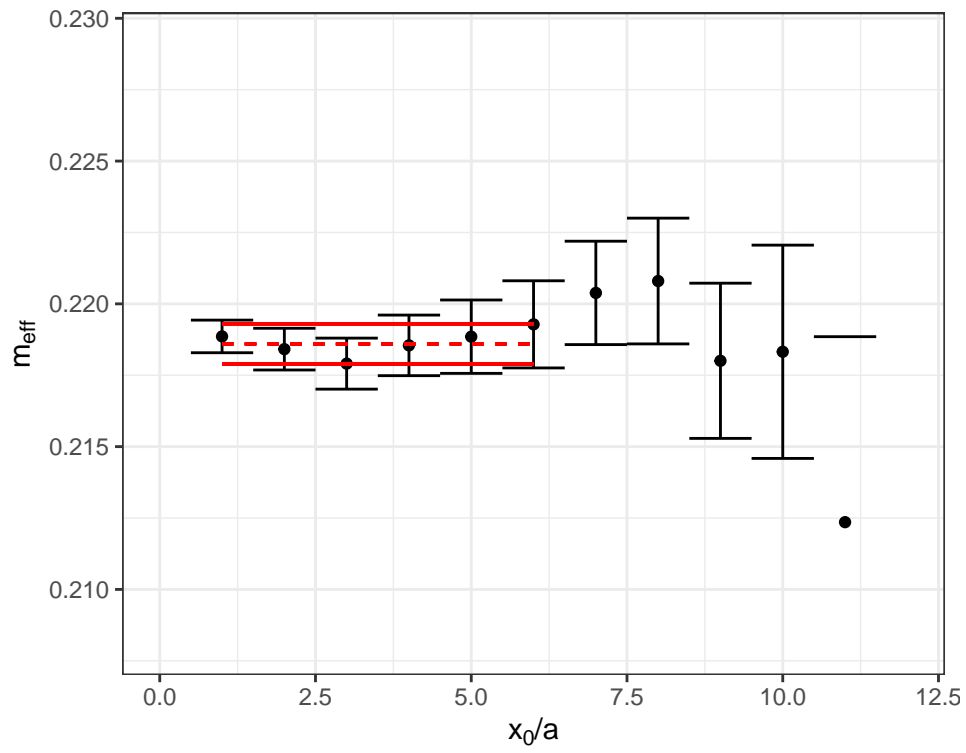
index n= 0

fit: $m_{eff} = 0.218105 \pm 0.000715$



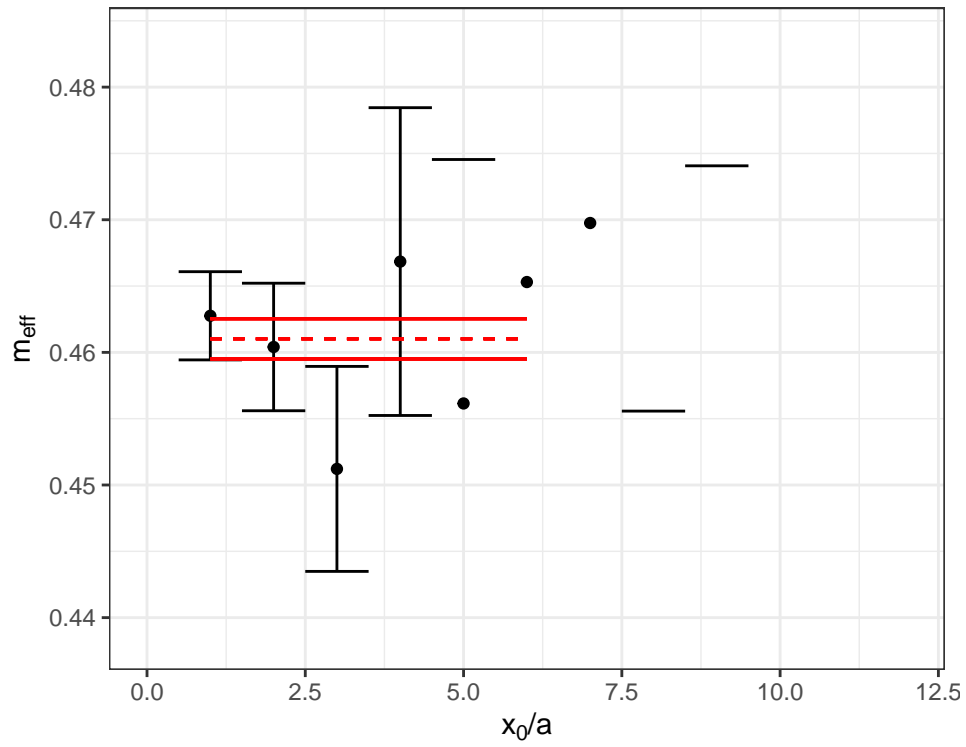
index n= 1

fit: $m_{eff} = 0.218597 \pm 0.000702$



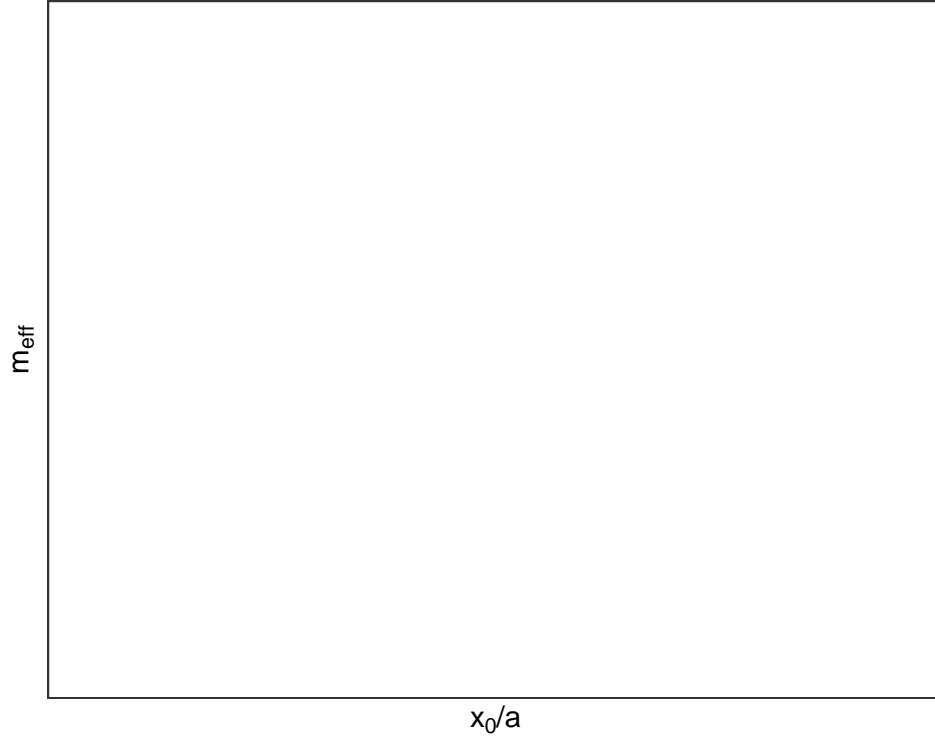
Two particle energy index $n=0$

fit: $m_{\text{eff}} = 0.461023 \pm 0.001512$



index $n=1$

Three particle energy fit: $m_{eff} = 0.473909 \pm 0.002439$



L	T	meff0	Emeff0	meff1	Emeff1	E2	E2err	E3	E3err
6	24	0.2668961	0.0007874	0.2672665	0.0008387	0.5944866	0.0015848	0.9433374546172080072868252755193	
8	24	0.2332467	0.0007041	0.2338333	0.0007275	0.5055902	0.0015598	NaN	NaN
10	24	0.2181055	0.0007153	0.2185968	0.0007025	0.4610234	0.0015125	NaN	NaN

to be compared with the result of the paper <https://arxiv.org/abs/1806.02367>

V1	V2	V3	V4	V5	V6	V7	V8	V9
L	T	nconf	ML	E2(L)	E3(L)	E2	E3	E3/ E2
4	24	18000	0.3634(16)	—	—	—	—	—
5	24	28000	0.3049(13)	0.6790(20)	1.1121(93)	0.0692(24)	0.1973(97)	2.85(12)
6	24	7500	0.2684(24)	0.5920(36)	0.962(16)	0.0552(46)	0.156(17)	2.83(26)
7	24	30000	0.2479(12)	0.5378(17)	0.8669(74)	0.0420(23)	0.1233(79)	2.93(17)
8	24	47000	0.2355(10)	0.5035(13)	0.8006(57)	0.0325(18)	0.0941(62)	2.90(17)
9	24	40000	0.2247(11)	0.4756(14)	0.7574(62)	0.0261(20)	0.0832(67)	3.19(24)
10	24	70000	0.21843(85)	0.4565(11)	0.7103(46)	0.0196(15)	0.0550(50)	2.80(23)
11	24	30000	0.2142(13)	0.4464(17)	0.6859(71)	0.0181(23)	0.0434(77)	2.40(37)
12	24	12000	0.2095(21)	0.4367(26)	0.672(11)	0.0177(37)	0.043(12)	2.43(60)
13	24	20000	0.2088(16)	0.4271(21)	0.6546(91)	0.0095(28)	0.0282(98)	2.97(97)
14	24	28000	0.2054(22)	0.4236(28)	0.650(13)	0.0127(38)	0.034(14)	2.64(96)
15	24	40000	0.2057(12)	0.4199(15)	0.6362(66)	0.0086(20)	0.0192(70)	2.23(72)
16	24	52000	0.2045(14)	0.4179(18)	0.6347(83)	0.0089(25)	0.0211(88)	2.37(88)
17	24	70000	0.20540(87)	0.4181(11)	0.6388(50)	0.0073(15)	0.0226(54)	3.11(71)
18	24	36000	0.2051(12)	0.4134(16)	0.6371(71)	0.0032(21)	0.0218(76)	6.8(4.0)

V1	V2	V3	V4	V5	V6	V7	V8	V9
20	24	70000	0.20477(87)	0.4114(11)	0.6241(52)	0.0018(15)	0.0098(55)	5.4(4.1)
14	48	36000	0.20724(33)	0.42461(63)	0.6530(23)	0.01014(62)	0.0313(24)	3.09(20)
24	48	100000	0.20426(55)	0.4118(11)	0.6194(58)	0.0032(10)	0.0066(59)	2.0(1.7)