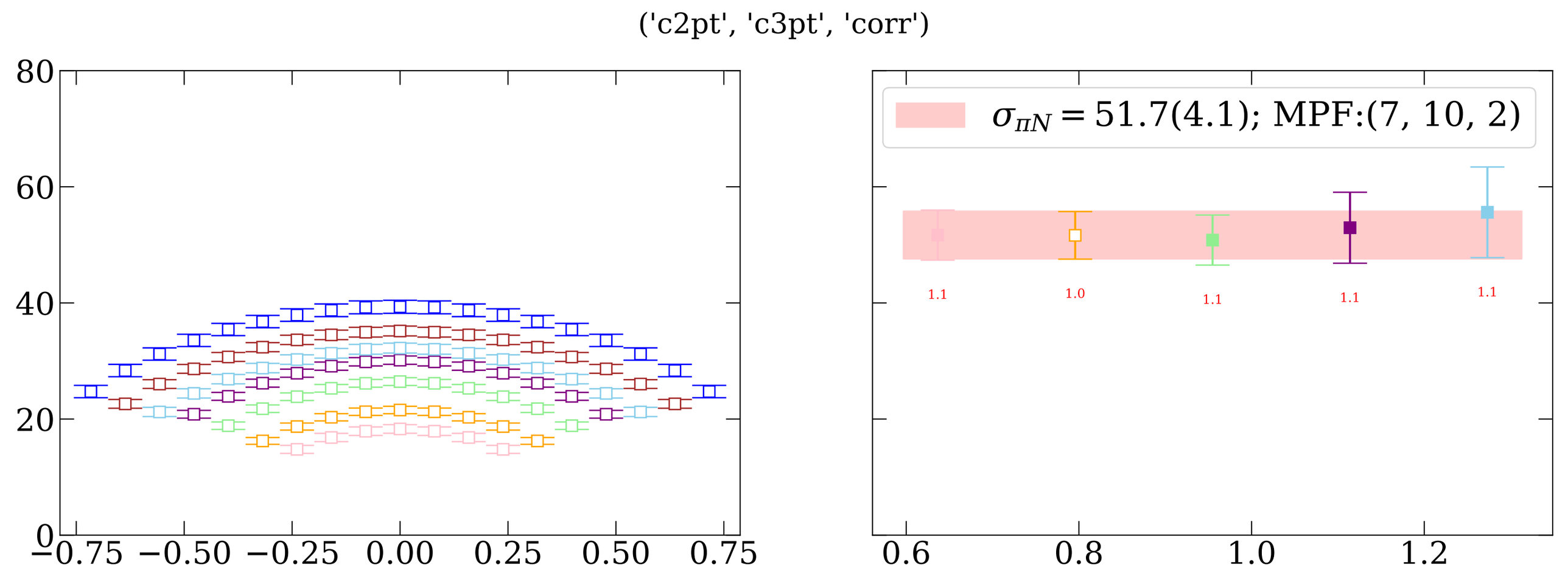
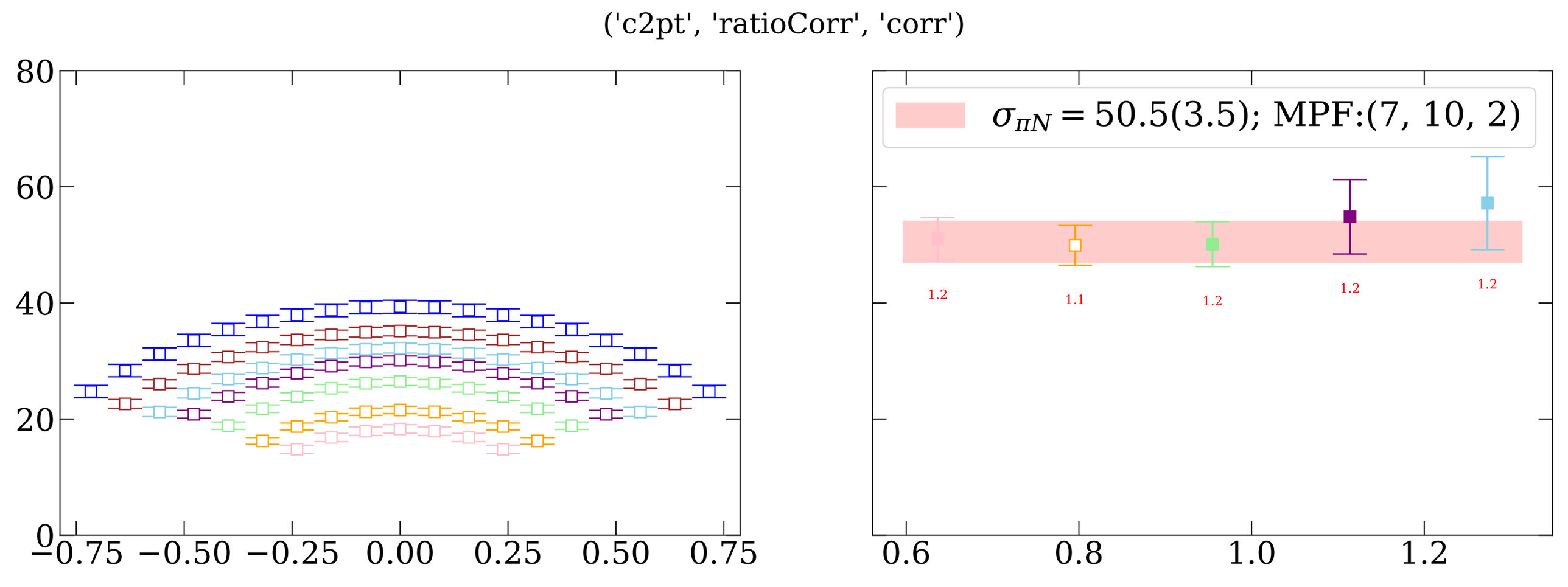
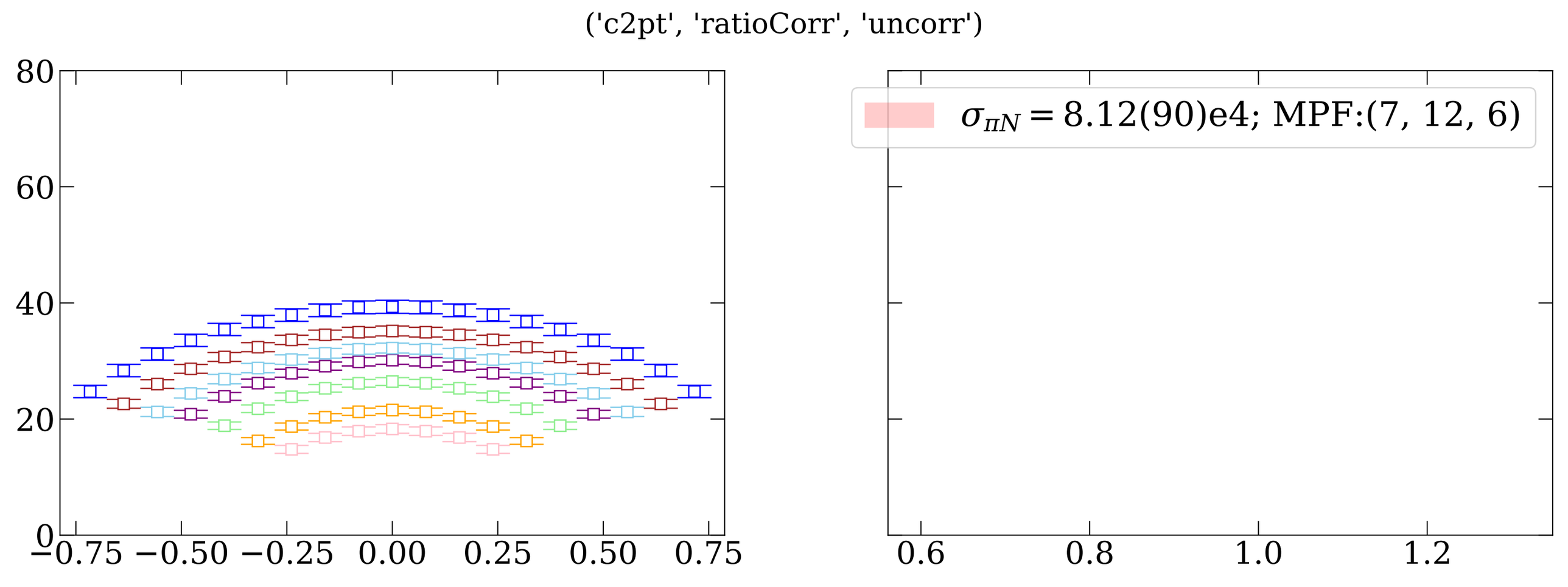
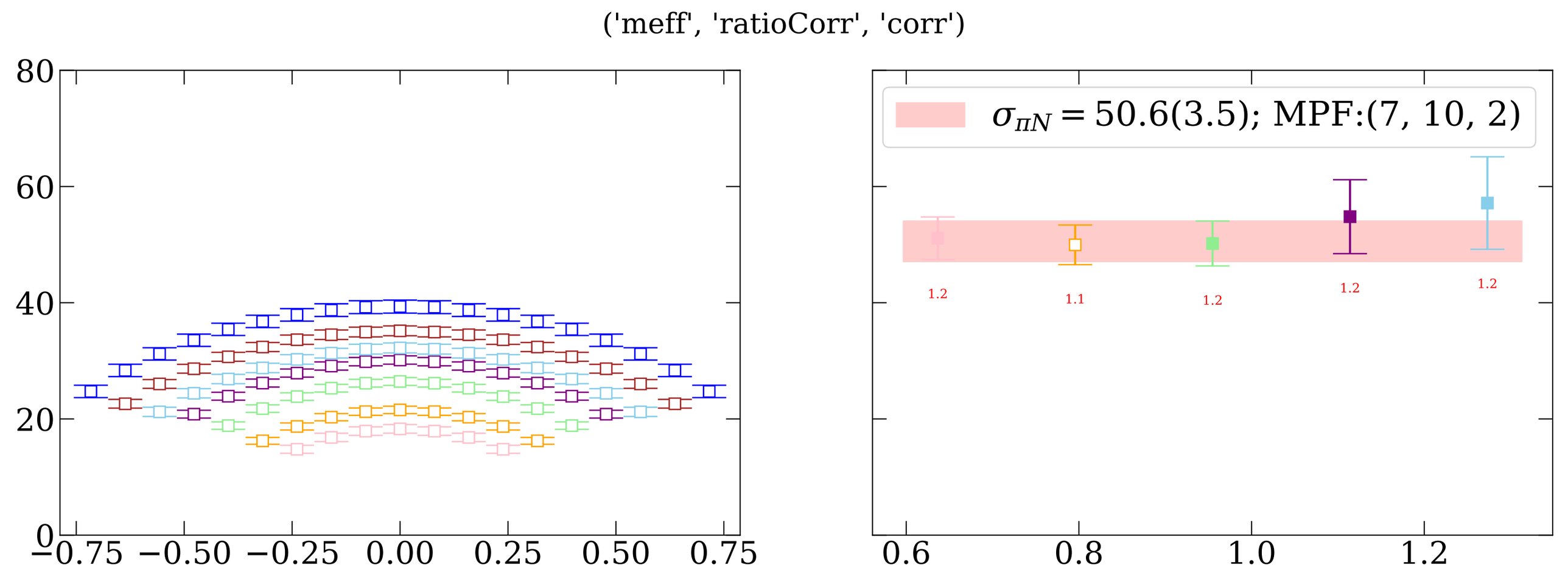
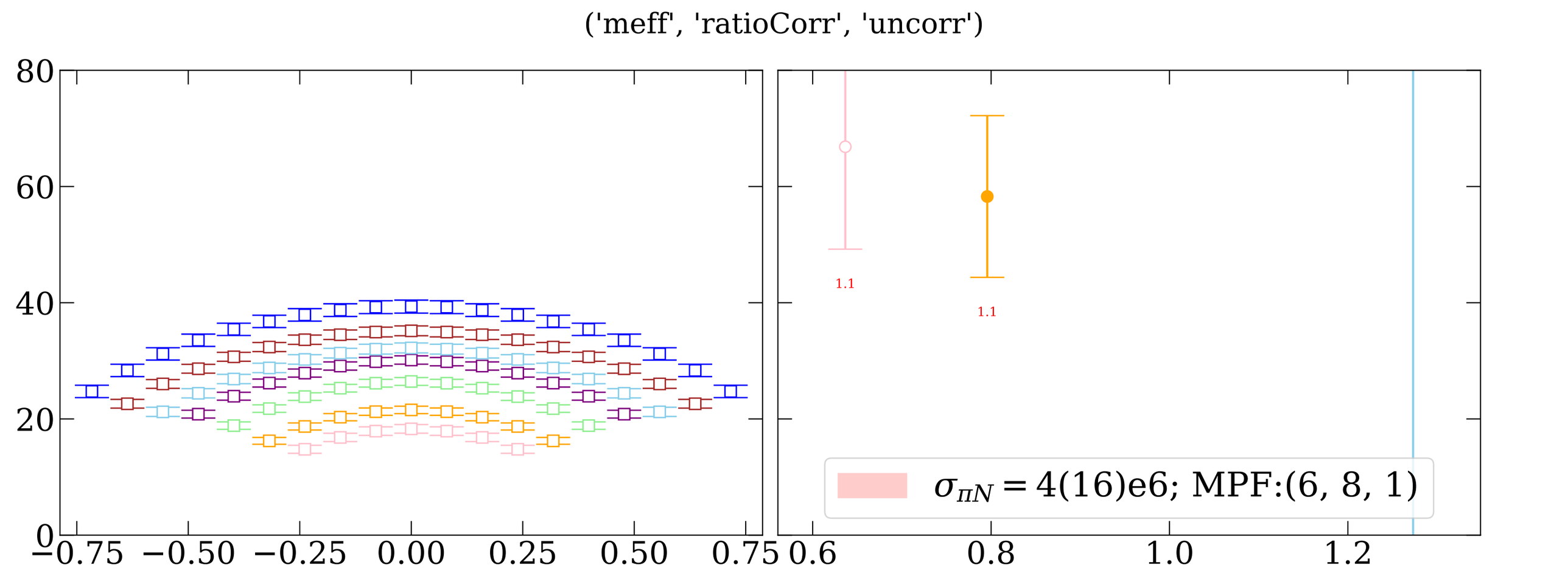

('c2pt', 'c3pt', 'corr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 51.7(4.1)$; MPF:(7, 10, 2)
1.1
1.0
1.1
1.1
1.1
0.6
0.8
1.0
1.2

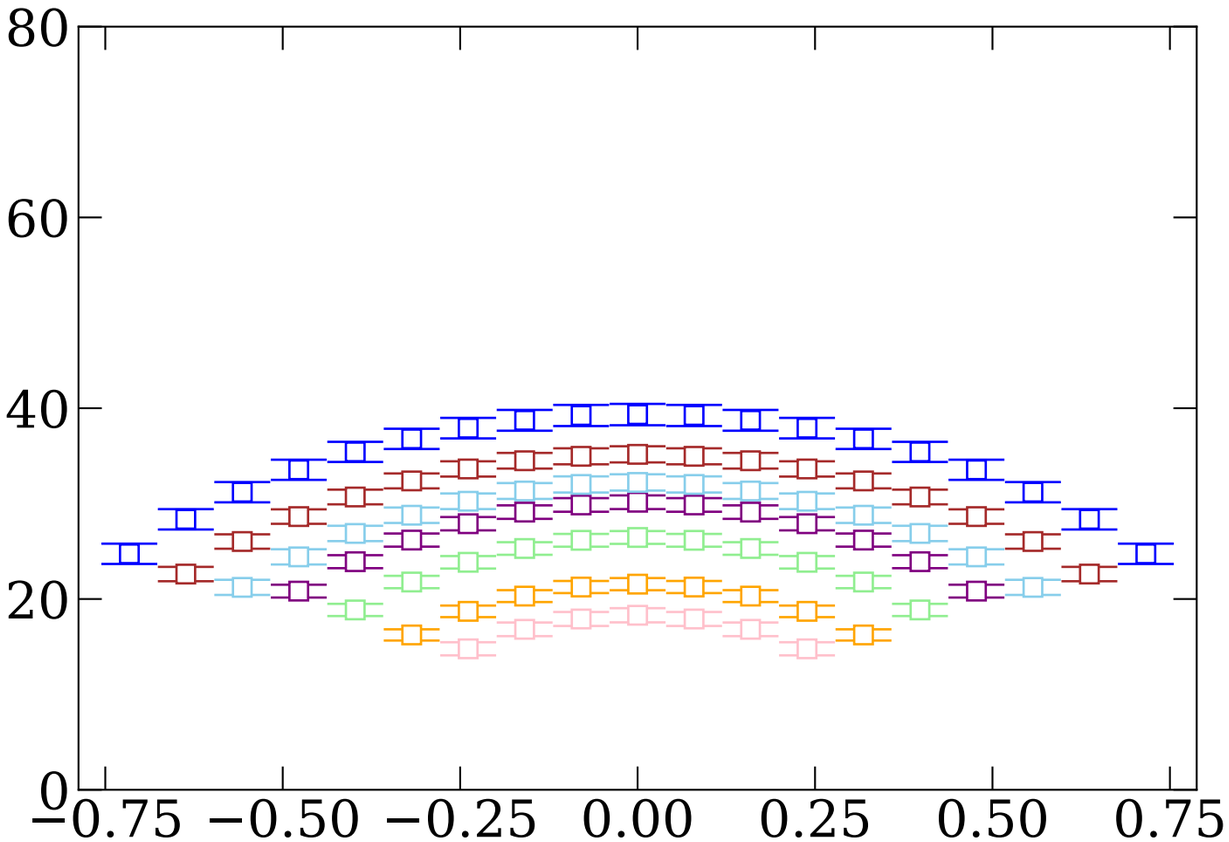

('c2pt', 'ratioCorr', 'corr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 50.5(3.5)$; MPF:(7, 10, 2)
1.2
1.1
1.2
1.2
1.2
0.6
0.8
1.0
1.2

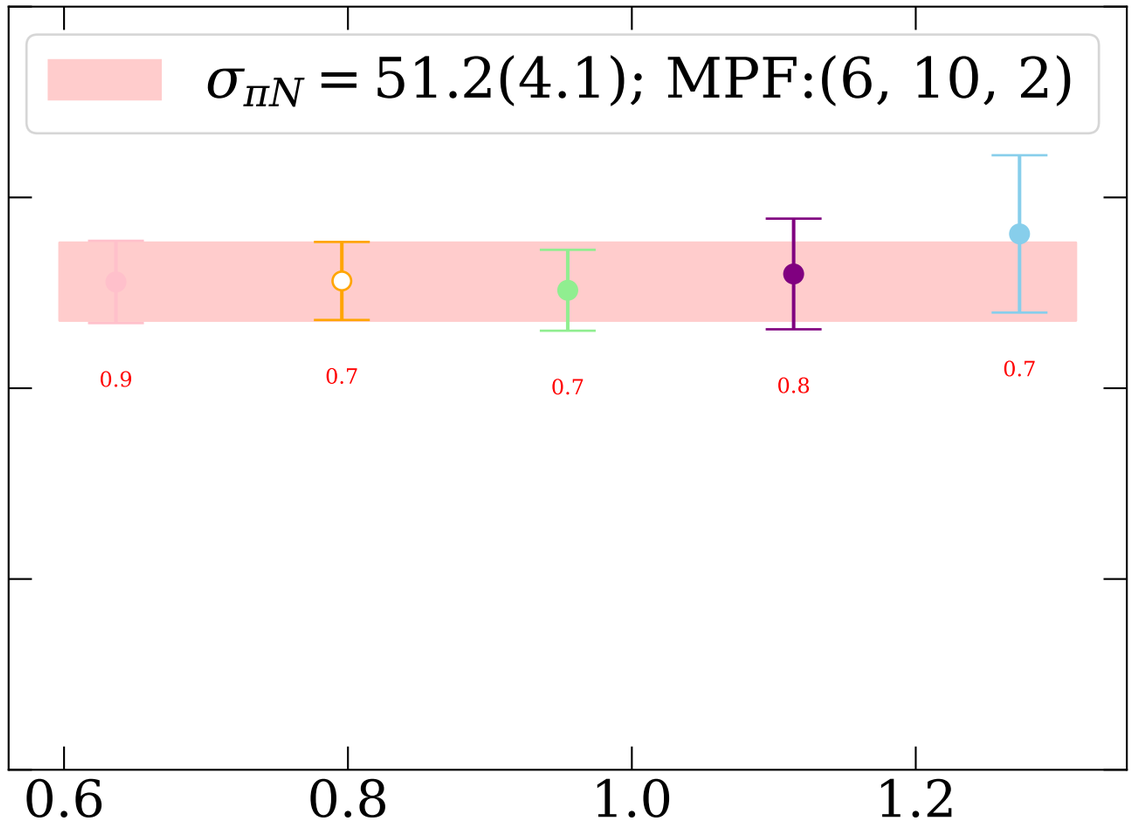

('c2pt', 'ratioCorr', 'uncorr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 8.12(90)e4$; MPF:(7, 12, 6)
0.6
0.8
1.0
1.2

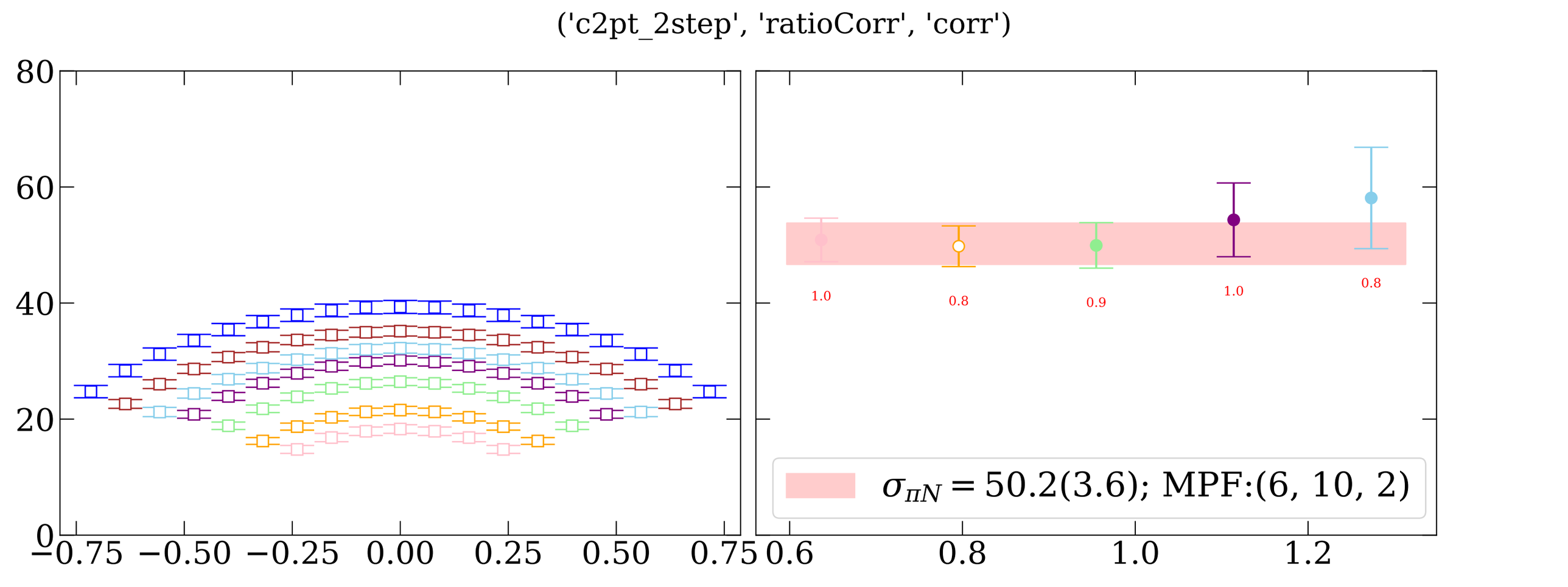

('meff', 'ratioCorr', 'corr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 50.6(3.5)$; MPF:(7, 10, 2)
1.2
1.1
1.2
1.2
1.2
0.6
0.8
1.0
1.2

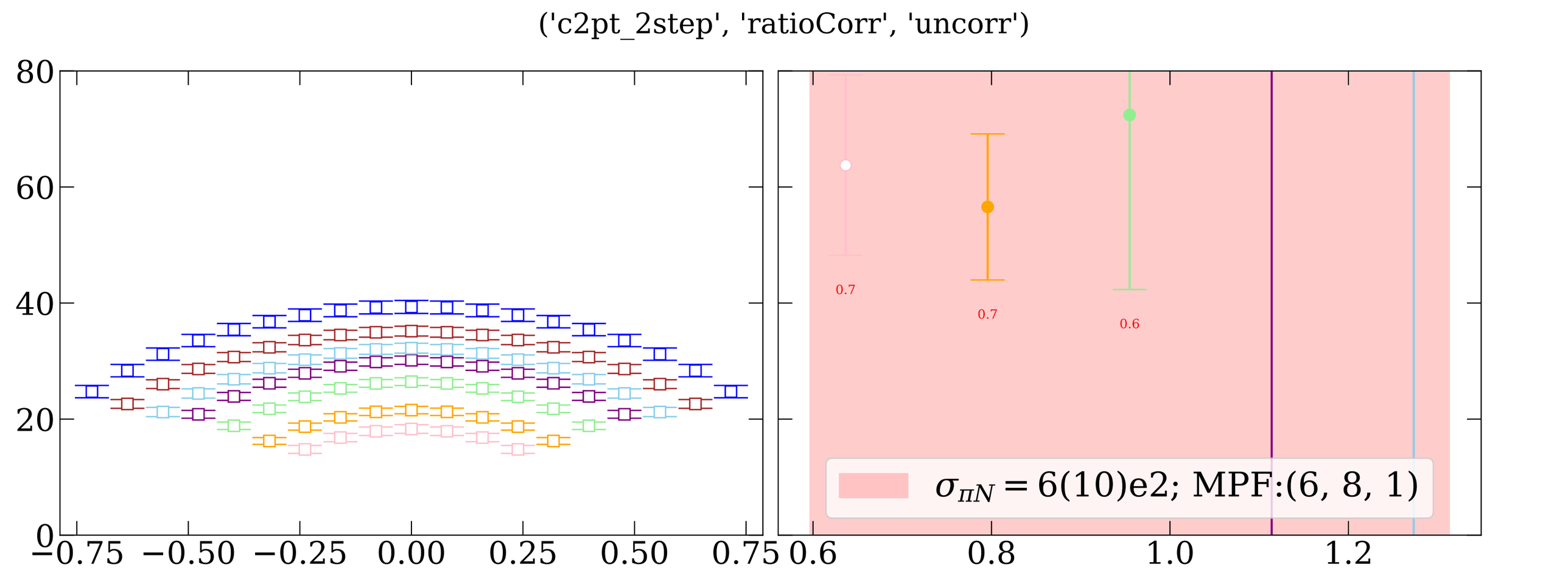

('meff', 'ratioCorr', 'uncorr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
0.6
0.8
1.0
1.2
1.1
1.1
$\sigma_{\pi N} = 4(16)\text{e}6$; MPF:(6, 8, 1)

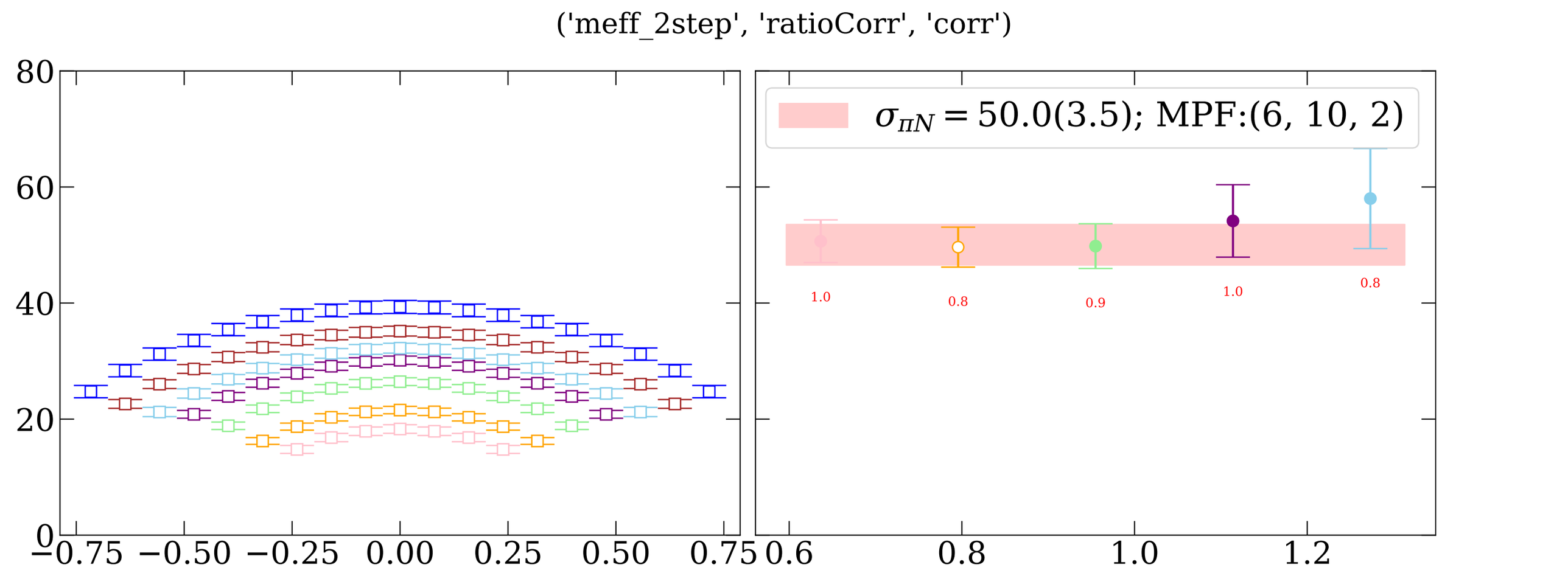
('c2pt_2step', 'c3pt', 'corr')

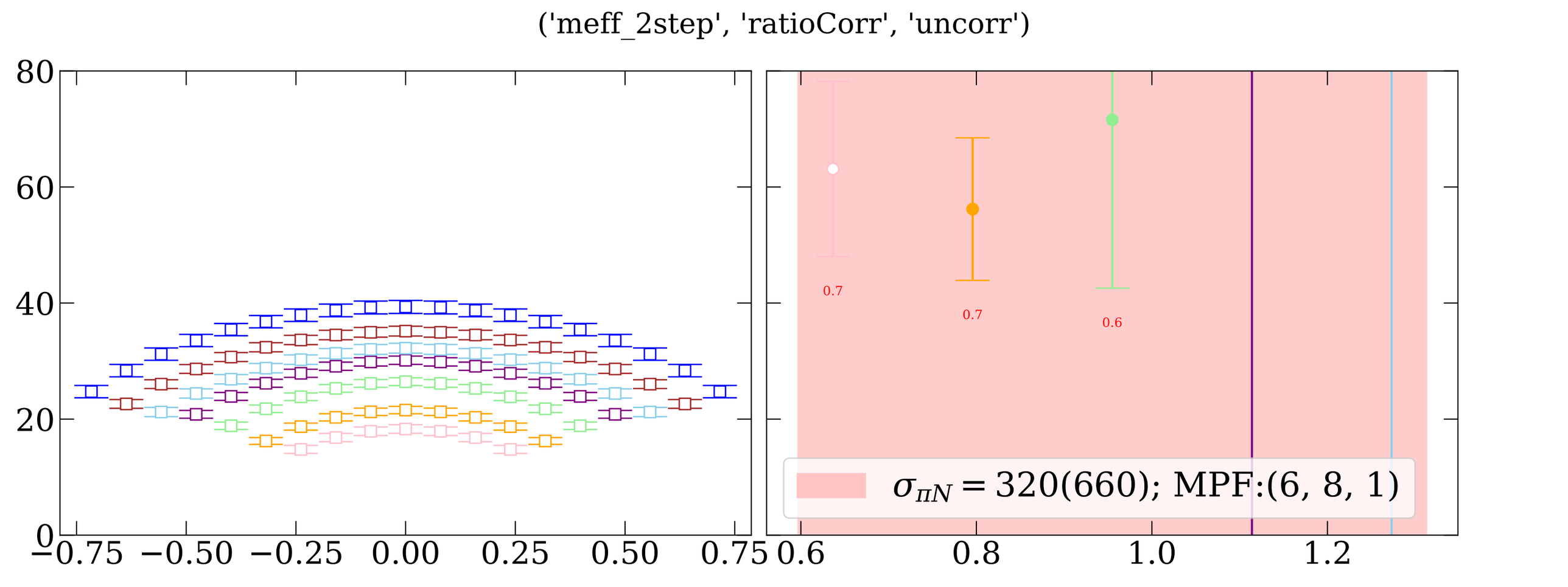


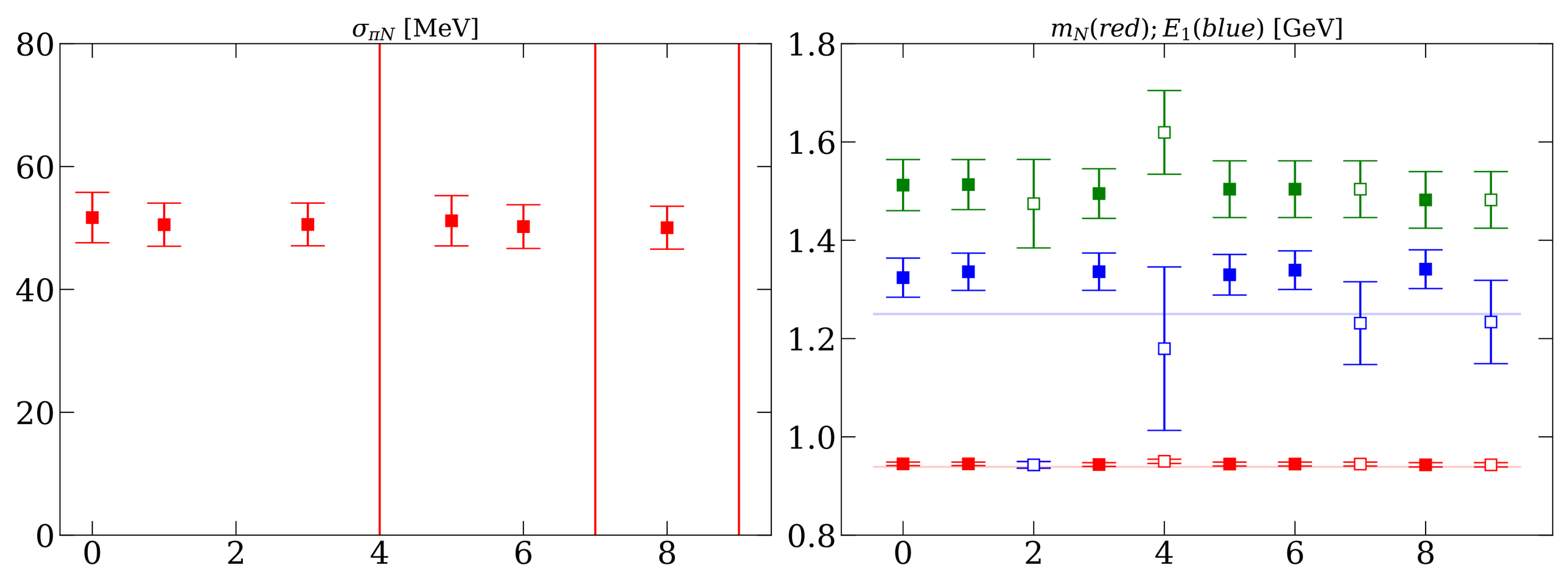



('c2pt_2step', 'ratioCorr', 'corr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
0.6
0.8
1.0
1.2
1.0
0.8
0.9
1.0
0.8
$\sigma_{\pi N} = 50.2(3.6)$; MPF:(6, 10, 2)


('c2pt_2step', 'ratioCorr', 'uncorr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
0.6
0.8
1.0
1.2
0.7
0.7
0.6
$\sigma_{\pi N} = 6(10)e2$; MPF:(6, 8, 1)


('meff_2step', 'ratioCorr', 'corr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 50.0(3.5)$; MPF:(6, 10, 2)
1.0
0.8
0.9
1.0
0.8
0.6
0.8
1.0
1.2


('meff_2step', 'ratioCorr', 'uncorr')
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
0.6
0.8
1.0
1.2
0.7
0.7
0.6
$\sigma_{\pi N} = 320(660)$; MPF:(6, 8, 1)


$\sigma_{\pi N}$ [MeV]
80
60
40
20
0
0
2
4
6
8
$m_N(red); E_1(blue)$ [GeV]
1.8
1.6
1.4
1.2
1.0
0.8
0
2
4
6
8