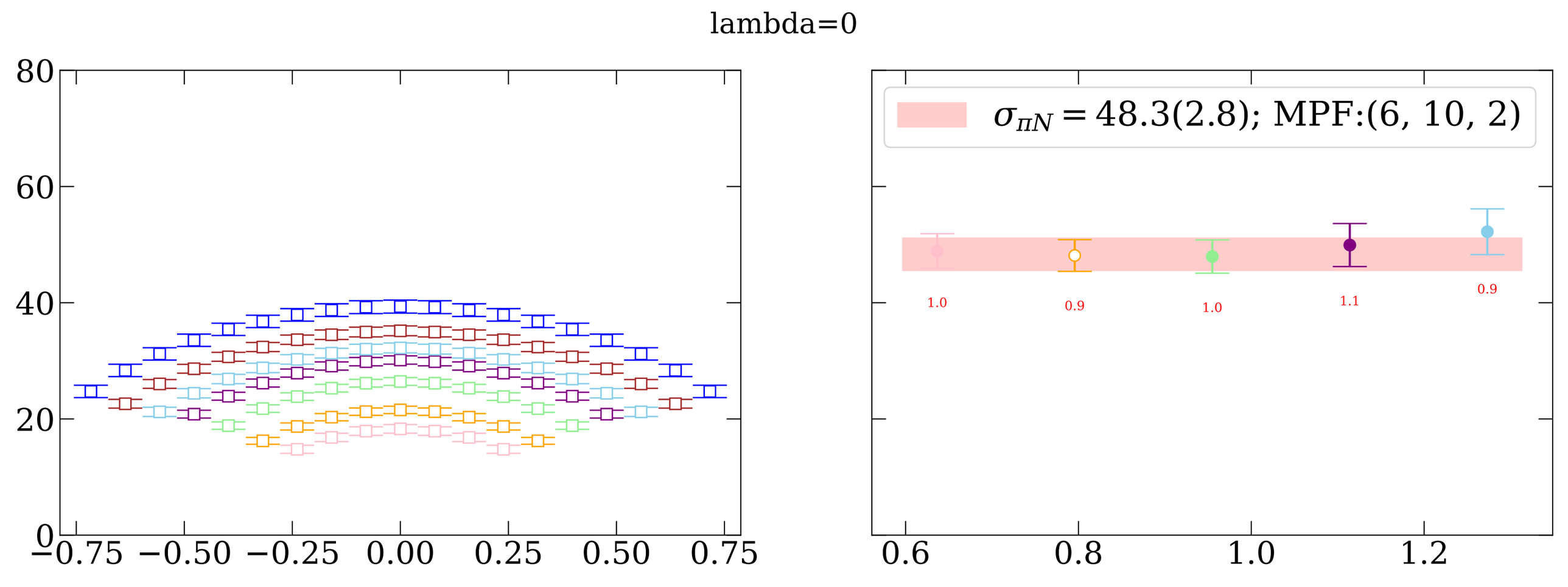
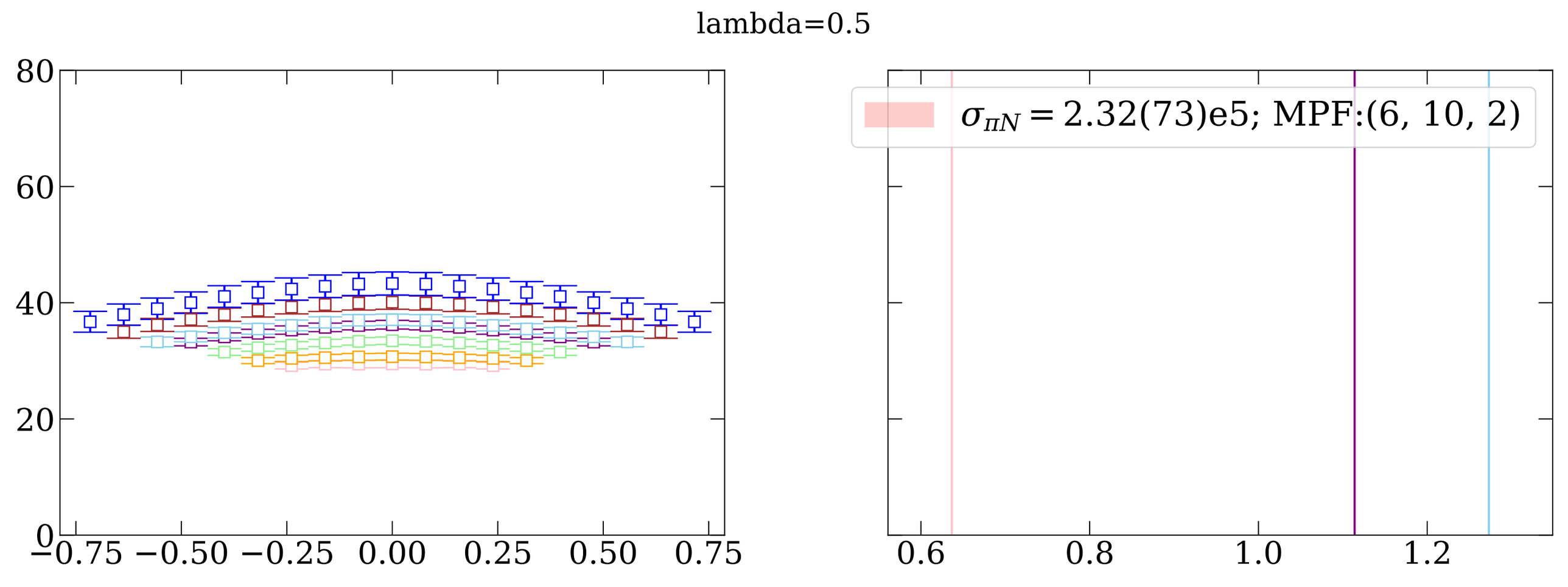
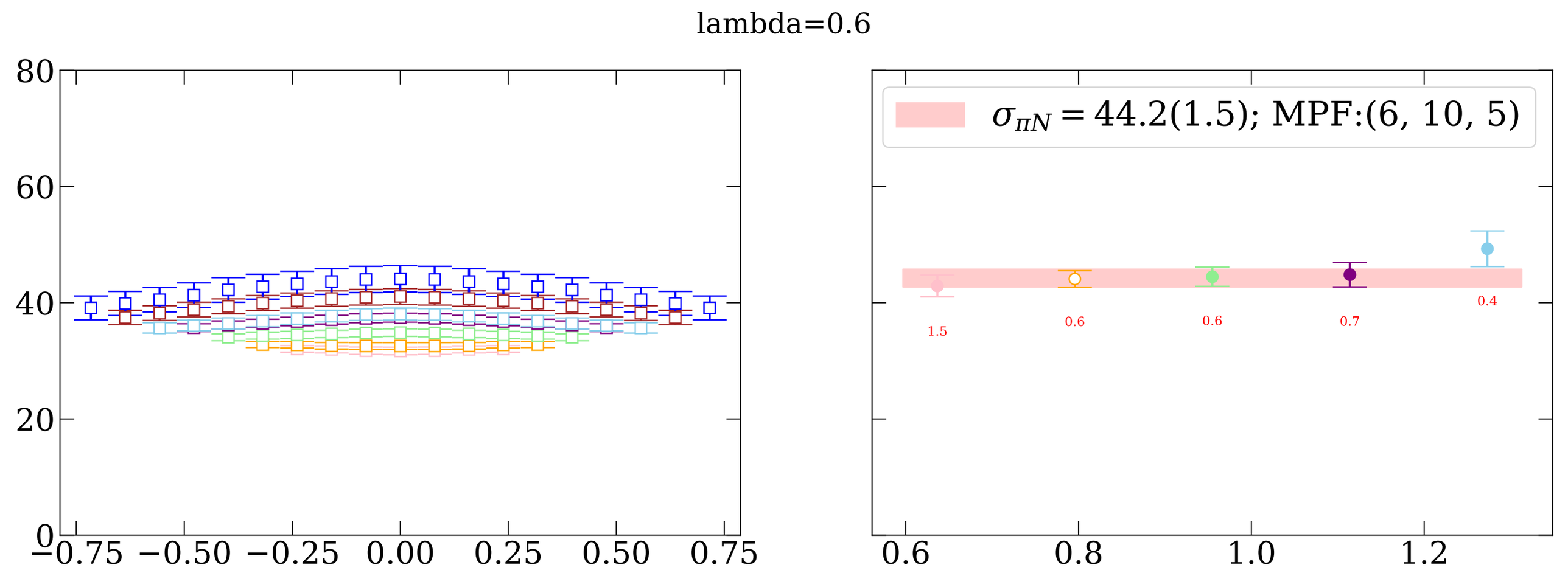
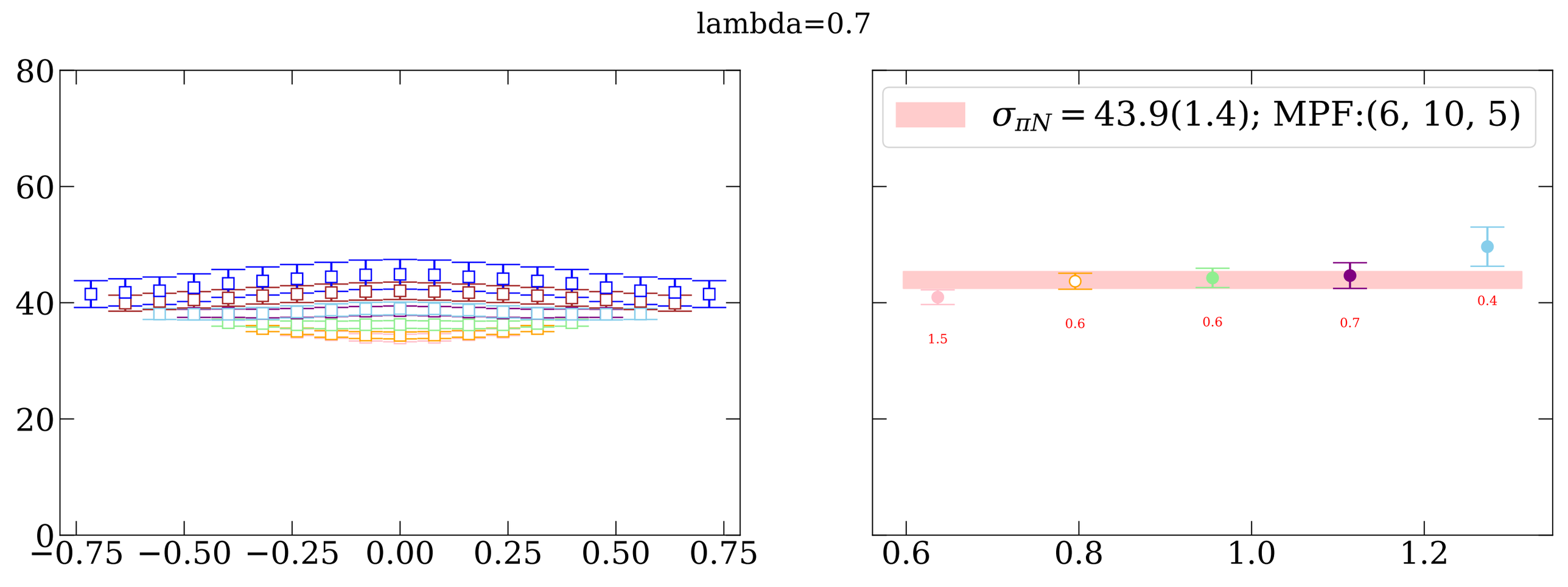
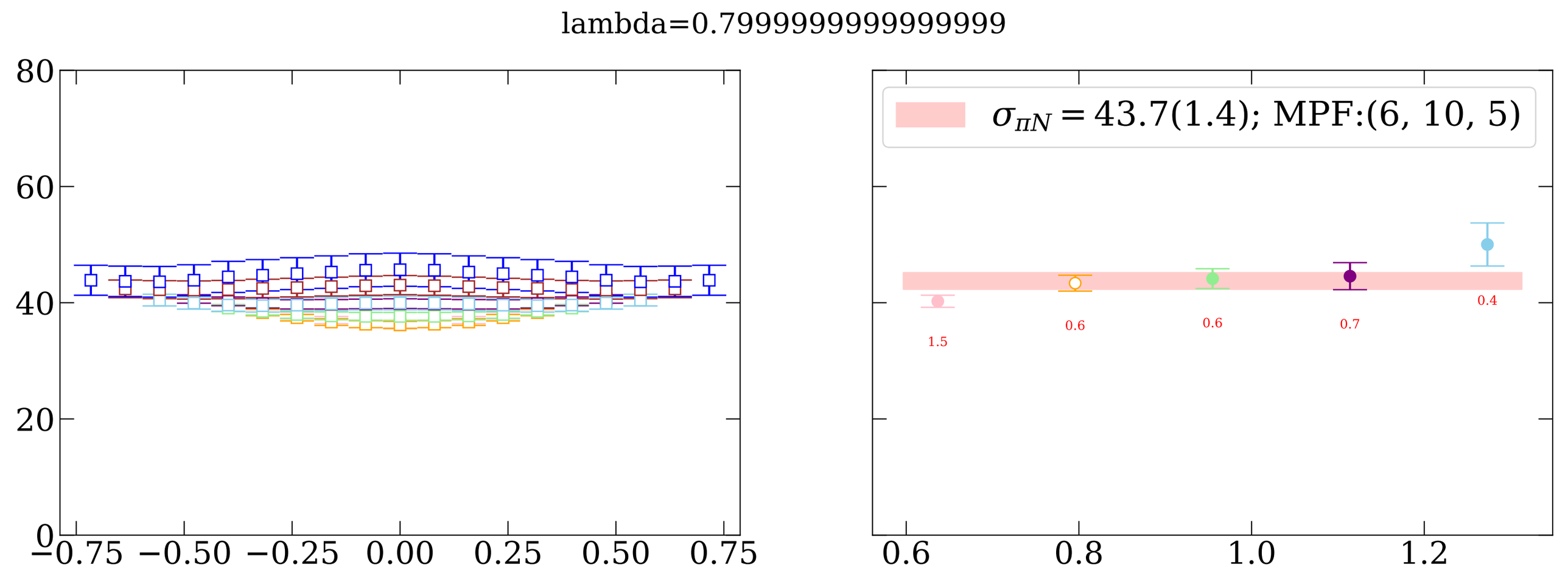
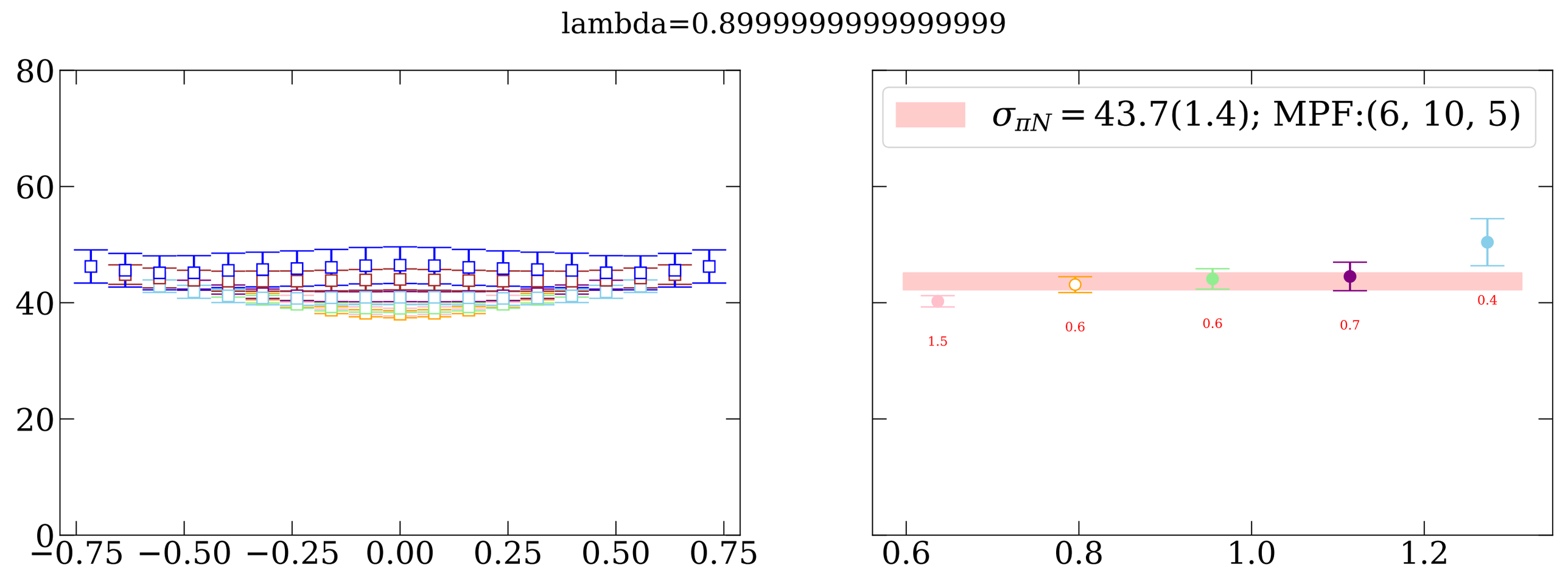

lambda=0
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 48.3(2.8)$; MPF:(6, 10, 2)
1.0
0.9
1.0
1.1
0.9
0.6
0.8
1.0
1.2

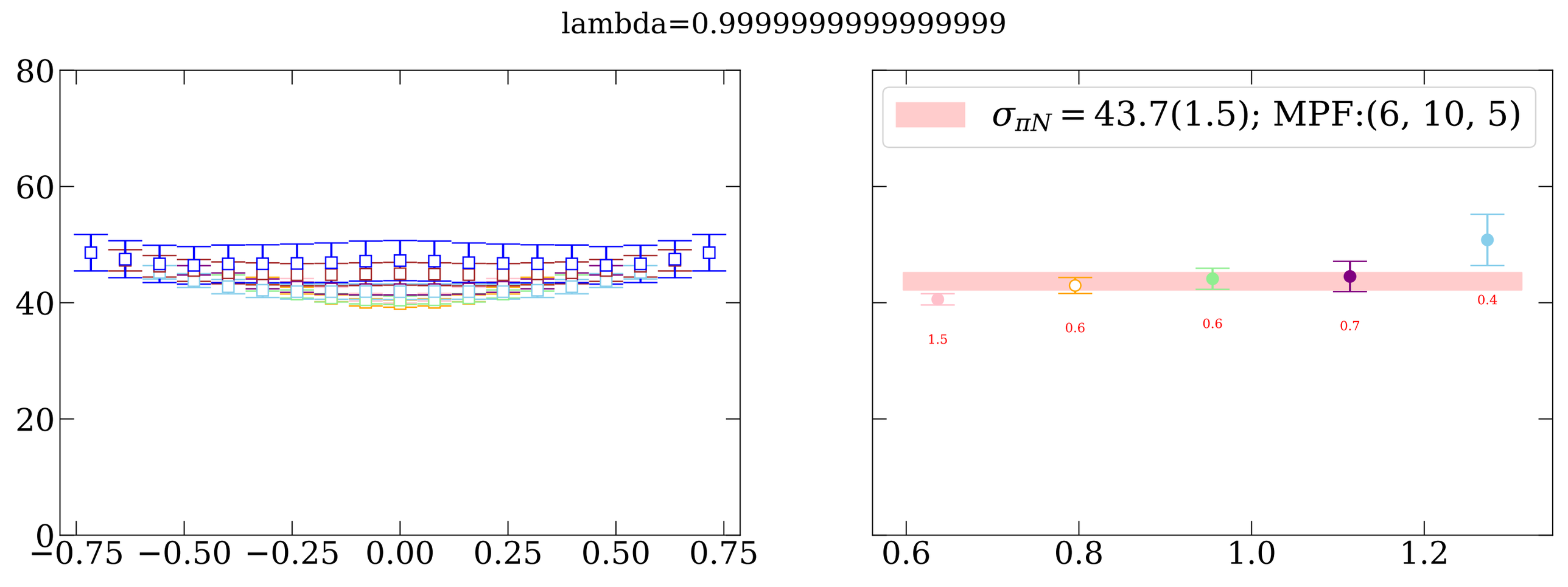

lambda=0.5
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 2.32(73)e5$; MPF:(6, 10, 2)
0.6
0.8
1.0
1.2

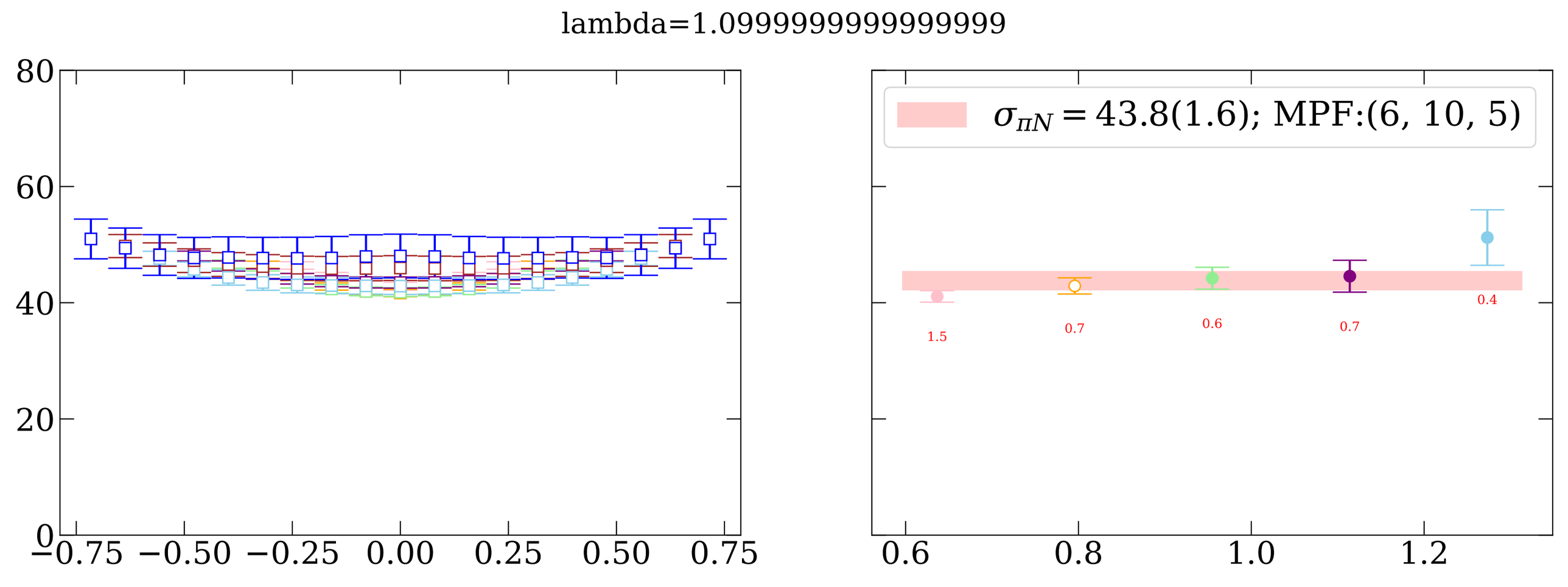

lambda=0.6
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 44.2(1.5)$; MPF:(6, 10, 5)
1.5
0.6
0.6
0.7
0.4
0.6
0.8
1.0
1.2

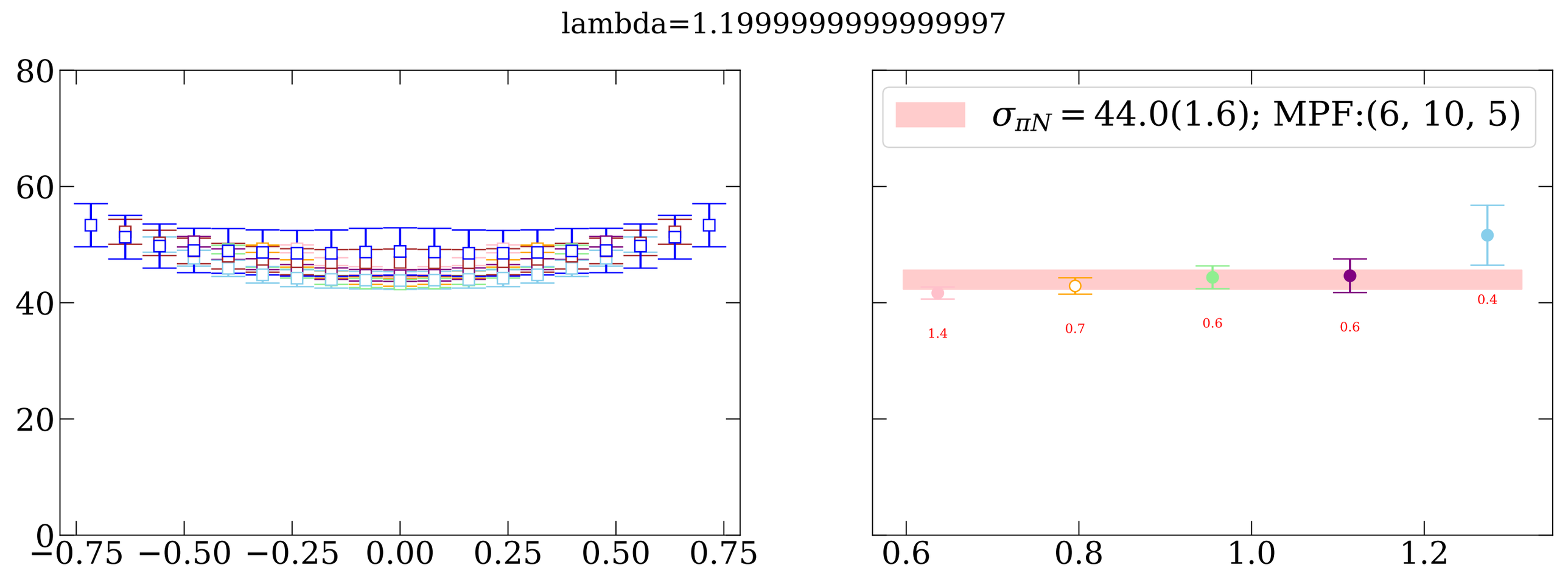

lambda=0.7
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 43.9(1.4)$; MPF:(6, 10, 5)
1.5
0.6
0.6
0.7
0.4
0.6
0.8
1.0
1.2

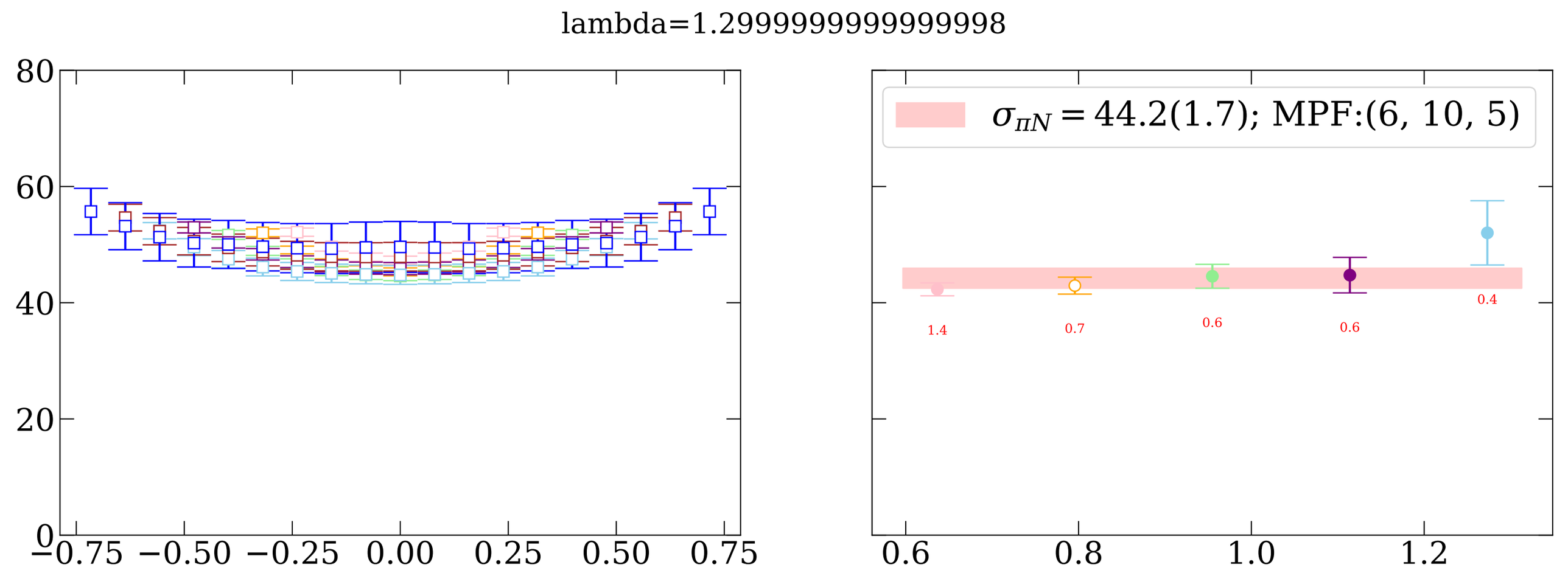

lambda=0.7999999999999999
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 43.7(1.4)$; MPF:(6, 10, 5)
1.5
0.6
0.6
0.7
0.4
0.6
0.8
1.0
1.2

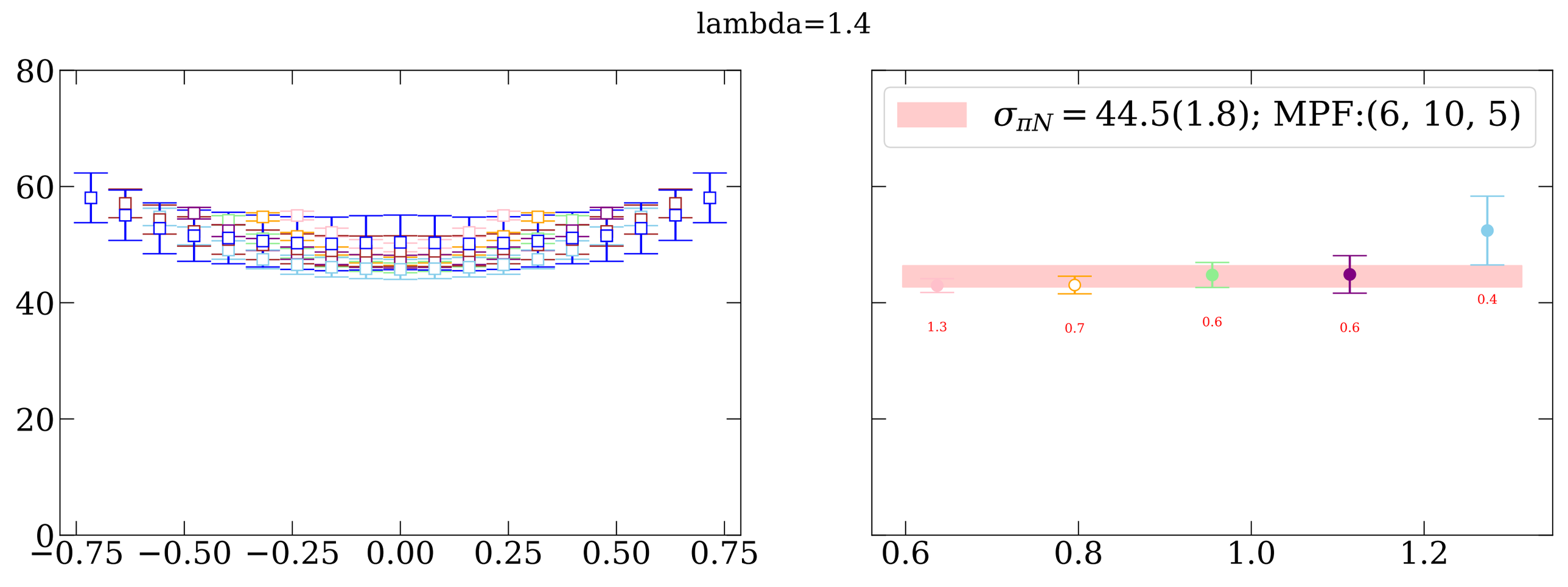

lambda=0.8999999999999999
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 43.7(1.4)$; MPF:(6, 10, 5)
1.5
0.6
0.6
0.7
0.4
0.6
0.8
1.0
1.2

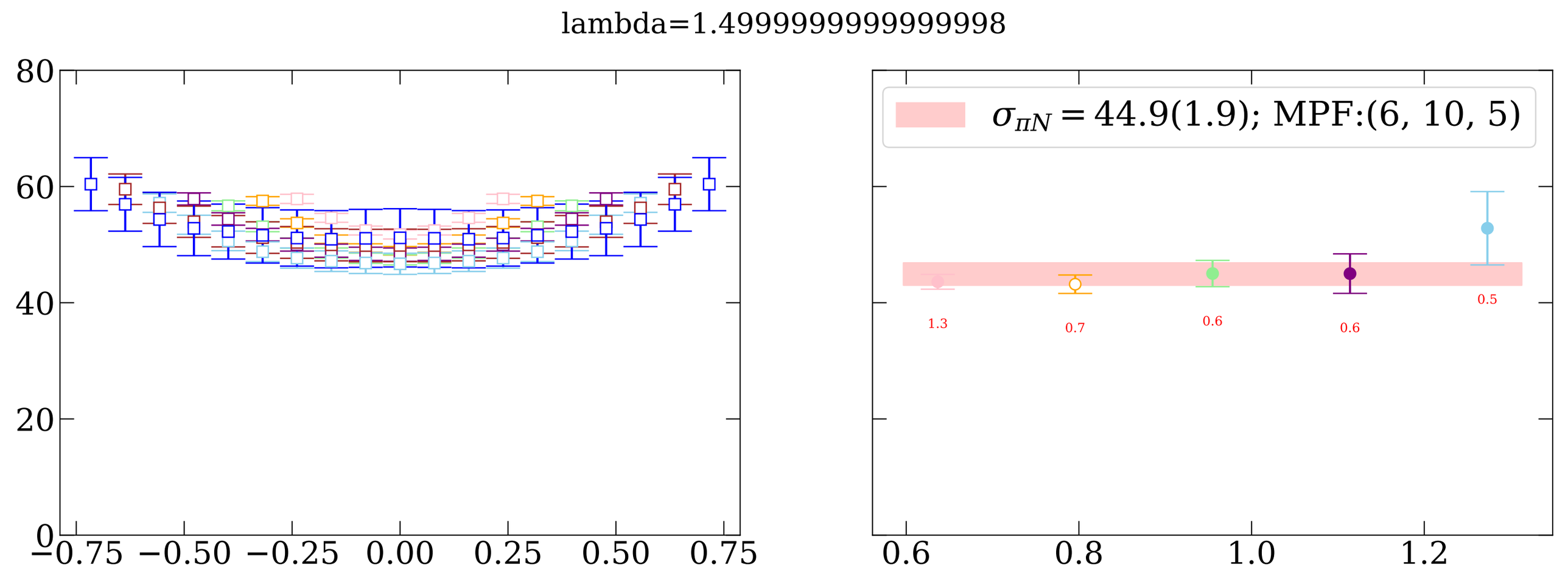

lambda=0.9999999999999999
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 43.7(1.5)$; MPF:(6, 10, 5)
1.5
0.6
0.6
0.7
0.4
0.6
0.8
1.0
1.2

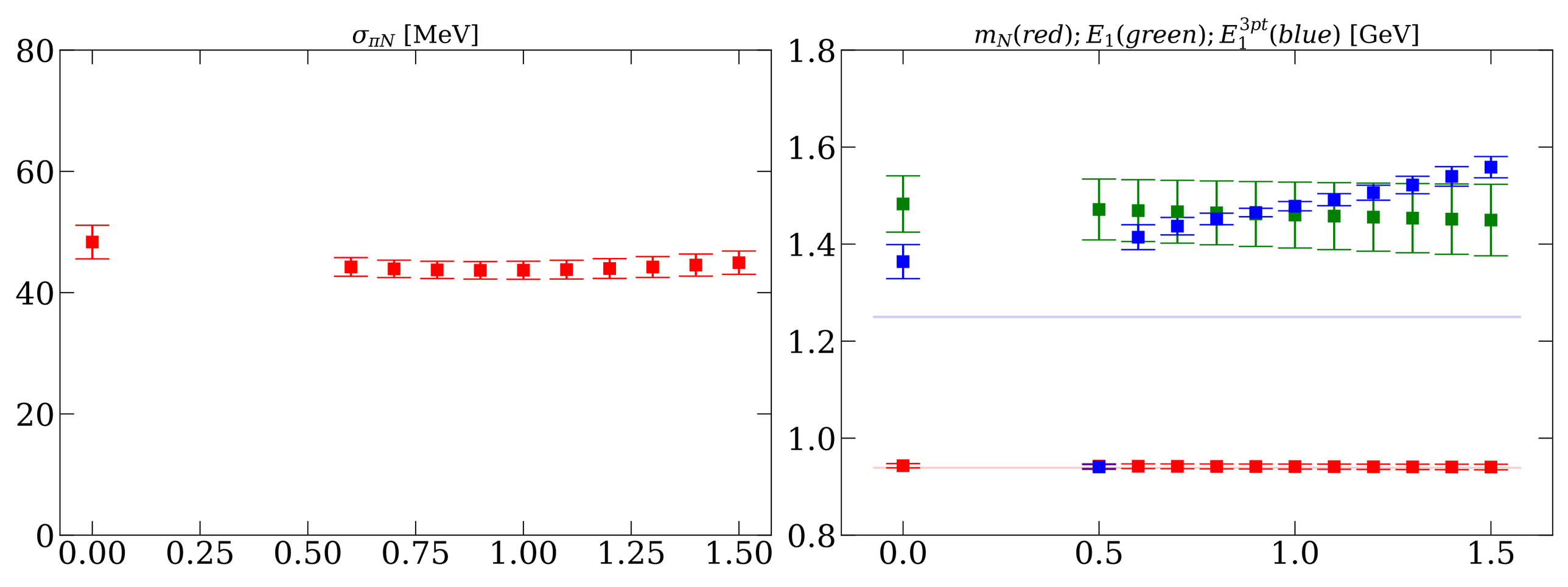

lambda=1.0999999999999999
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 43.8(1.6)$; MPF:(6, 10, 5)
1.5
0.7
0.6
0.7
0.4
0.6
0.8
1.0
1.2


lambda=1.1999999999999997
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 44.0(1.6)$; MPF:(6, 10, 5)
1.4
0.7
0.6
0.6
0.4
0.6
0.8
1.0
1.2


lambda=1.2999999999999998
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 44.2(1.7)$; MPF:(6, 10, 5)
1.4
0.7
0.6
0.6
0.4
0.6
0.8
1.0
1.2


lambda=1.4
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 44.5(1.8)$; MPF:(6, 10, 5)
1.3
0.7
0.6
0.6
0.4
0.6
0.8
1.0
1.2


lambda=1.4999999999999998
80
60
40
20
0
−0.75
−0.50
−0.25
0.00
0.25
0.50
0.75
$\sigma_{\pi N} = 44.9(1.9)$; MPF:(6, 10, 5)
1.3
0.7
0.6
0.6
0.5
0.6
0.8
1.0
1.2


$\sigma_{\pi N}$ [MeV]
80
60
40
20
0
0.00
0.25
0.50
0.75
1.00
1.25
1.50
$m_N(red); E_1(green); E_1^{3pt}(blue)$ [GeV]
1.8
1.6
1.4
1.2
1.0
0.8
0.0
0.5
1.0
1.5