

Model Type:simult\_baryons  
N\_corr = 2  
t\_corr = [5, 15]  
Fit results:  
GMO rln = 0.0006(23)  
M\_4 posterior = -0.1000(61)  
Centroid posterior = 0.74318(93)  
lam\_E0= 0.7236(15)  
1st e.s: 1.041(61)  
proton\_E0= 0.6598(22)  
1st e.s: 0.509(39)  
xi\_E0= 0.8063(12)  
1st e.s: 0.504(23)  
sigma\_E0= 0.7632(18)  
1st e.s: 0.505(29)  
Least Square Fit:  
chi2/dof [dof] = 0.97 [72] Q = 0.56 logGBF = 1798.3

Parameters:  
sigma\_z\_PS 0 3.411(64)e-06 [ 0.0(3.3)e-06 ] \*  
1 6.66(70)e-06 [ 0.0(3.3)e-06 ] \*\*  
sigma\_z\_SS 0 8.91(15)e-07 [ 4.4(4.4)e-07 ] \*  
1 8.50(76)e-07 [ 4.4(4.4)e-07 ]  
lam\_z\_PS 0 1.673(28)e-06 [ 0.0(1.5)e-06 ] \*  
1 3.38(40)e-06 [ 0.0(1.5)e-06 ] \*\*  
lam\_z\_SS 0 4.358(67)e-07 [ 2.0(2.0)e-06 ]  
1 4.40(46)e-07 [ 2.0(2.0)e-06 ]  
proton\_z\_PS 0 2.159(50)e-06 [ 0.0(3.3)e-06 ]  
1 4.41(69)e-06 [ 0.0(3.3)e-06 ] \*  
proton\_z\_SS 0 5.73(12)e-07 [ 9.4(9.4)e-07 ]  
1 5.98(83)e-07 [ 9.4(9.4)e-07 ]  
xi\_z\_PS 0 3.947(51)e-06 [ 0.0(3.3)e-06 ] \*  
1 7.68(69)e-06 [ 0.0(3.3)e-06 ] \*\*  
xi\_z\_SS 0 1.008(12)e-06 [ 4.4(4.4)e-06 ]  
1 9.38(71)e-07 [ 4.4(4.4)e-06 ]  
sigma\_E0 0.7632 (18) [ 0.73 (22) ]  
sigma\_log(dE) 0 -0.683 (57) [ -2 (19) ]  
lam\_E0 0.7236 (15) [ 0.68 (22) ]  
lam\_log(dE) 0 -0.684 (58) [ -0.78 (48) ]  
proton\_E0 0.6598 (22) [ 0.63 (22) ]  
proton\_log(dE) 0 -0.676 (76) [ -2 (13) ]  
xi\_E0 0.8063 (12) [ 0.80 (22) ]  
xi\_log(dE) 0 -0.684 (46) [ -0.73 (67) ]

Settings:  
svdcut/n = 1e-12/0 tol = (1e-08\*,1e-10,1e-10) (itns/time = 13/0.0)

Simultaneous fit to 4 baryons for  $N_{states}=2$

