

Model Type:simult\_baryons  
N\_corr = 2  
t\_corr = [4, 15]  
Fit results:  
GMO rln = 0.0031(16)  
M\_4 posterior = -0.1062(37)  
Centroid posterior = 0.51222(58)  
lam\_E0= 0.4931(12)  
1st e.s: 0.702(20)  
proton\_E0= 0.4265(15)  
1st e.s: 0.438(16)  
xi\_E0= 0.57531(65)  
1st e.s: 0.4214(53)  
sigma\_E0= 0.5337(10)  
1st e.s: 0.4456(65)  
Least Square Fit:  
chi2/dof [dof] = 1.3 [72] Q = 0.028 logGBF = 1755

Parameters:  
sigma\_z\_PS 0 5.047(60)e-07 [ 0.0(3.3)e-06 ]  
1 2.100(53)e-06 [ 0.0(3.3)e-06 ]  
sigma\_z\_SS 0 1.455(16)e-07 [ 4.4(4.4)e-07 ]  
1 3.469(74)e-07 [ 4.4(4.4)e-07 ]  
lam\_z\_PS 0 2.501(39)e-07 [ 0.0(3.3)e-06 ]  
1 9.87(52)e-07 [ 0.0(3.3)e-06 ]  
lam\_z\_SS 0 7.17(10)e-08 [ 4.4(4.4)e-06 ]  
1 1.652(72)e-07 [ 4.4(4.4)e-06 ]  
proton\_z\_PS 0 2.944(60)e-07 [ 0.0(3.3)e-07 ]  
1 1.235(88)e-06 [ 0.0(3.3)e-07 ] \*\*\*  
proton\_z\_SS 0 8.59(16)e-08 [ 4.4(4.4)e-07 ]  
1 2.15(13)e-07 [ 4.4(4.4)e-07 ]  
xi\_z\_PS 0 6.278(52)e-07 [ 0.0(3.3)e-06 ]  
1 2.311(48)e-06 [ 0.0(3.3)e-06 ]  
xi\_z\_SS 0 1.774(14)e-07 [ 4.4(4.4)e-07 ]  
1 3.742(66)e-07 [ 4.4(4.4)e-07 ]  
sigma\_E0 0.5337 (10) [ 0.528 (22) ]  
sigma\_log(dE) 0 -0.808 (15) [ -2 (19) ]  
lam\_E0 0.4931 (12) [ 0.49 (10) ]  
lam\_log(dE) 0 -0.848 (27) [ -2.3 (3.2) ]  
proton\_E0 0.4265 (15) [ 0.4250 (22) ]  
proton\_log(dE) 0 -0.826 (36) [ -0.7 (4.6) ]  
xi\_E0 0.57531 (65) [ 0.57 (22) ]  
xi\_log(dE) 0 -0.864 (13) [ -2.3 (3.2) ]

Settings:  
svdcut/n = 1e-12/0 tol = (1e-08\*,1e-10,1e-10) (itns/time = 19/0.0)

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

