```
Model Type:simult_baryons
N_corr = 2
t_corr = [5, 15]
Fit results:
GMO rln = -0.015(51)
M_4 posterior = -0.182(61)
Centroid posterior = 0.640(12)
lam_E0= 0.594(41)
1st e.s: 0.210(39)
proton_E0= 0.555(44)
1st e.s: 0.140(52)
xi_E0= 0.6957(36)
1st e.s: 0.29(11)
sigma_E0= 0.6755(32)
1st e.s: 0.60(34)
Least Square Fit:
chi2/dof [dof] = 1 [72] Q = 0.39 logGBF = 1863.5

Parameters:
sigma_z_PS 0 4.15(13)e-07 [ 0.0(3.3)e-06 ]
1 2.4(3.1)e-07 [ 0.0(3.3)e-06 ]
sigma_z_SS 0 6.40(21)e-09 [ 4.4(4.4)e-07 ]
1 5.5(7.9)e-09 [ 4.4(4.4)e-07 ]
lam_z_PS 0 1.6(1.7)e-07 [ 0.0(3.3)e-07 ]
1 3.3(1.6)e-07 [ 0.0(3.3)e-07 ]
lam_z_SS 0 2.4(2.6)e-09 [ 4.4(4.4)e-06 ]
1 5.0(2.4)e-09 [ 4.4(4.4)e-06 ]
proton_z_PS 0 1.9(1.9)e-07 [ 0.0(3.3)e-07 ]
1 2.9(1.6)e-07 [ 0.0(3.3)e-07 ]
proton_z_SS 0 3.0(2.9)e-09 [ 4.4(4.4)e-07 ]
1 4.3(2.6)e-09 [ 4.4(4.4)e-07 ]
xi_z_PS 0 4.16(22)e-07 [ 0.0(3.3)e-06 ]
1 1.21(27)e-07 [ 0.0(3.3)e-06 ]
xi_z_SS 0 6.26(33)e-09 [ 4.4(4.4)e-07 ]
1 2.09(46)e-09 [ 4.4(4.4)e-07 ]
sigma_E0 0.6755 (32) [ 0.73 (22) ]
sigma_log(dE) 0 -0.51 (57) [ -3 (46) ]
lam_E0 0.594 (41) [ 0.7 (2.2) ]
lam_log(dE) 0 -2.15 (15) [ -2 (16) ]
proton_E0 0.555 (44) [ 0.6 (1.0) ]
proton_log(dE) 0 -1.96 (37) [ -2 (11) ]
xi_E0 0.6957 (36) [ 0.8 (2.2) ]
xi_log(dE) 0 -1.23 (39) [ -0.73 (67) ]

Settings:
svdcut/n = 1e-12/0 tol = (1e-08*,1e-10,1e-10) (itns/time = 52/0.1)
```

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

Legend:
- lam_PS
- lam_SS
- proton_PS
- proton_SS
- sigma_PS
- sigma_SS
- xi_PS
- xi_SS

y-axis: M_{baryon}^{eff}

x-axis: t