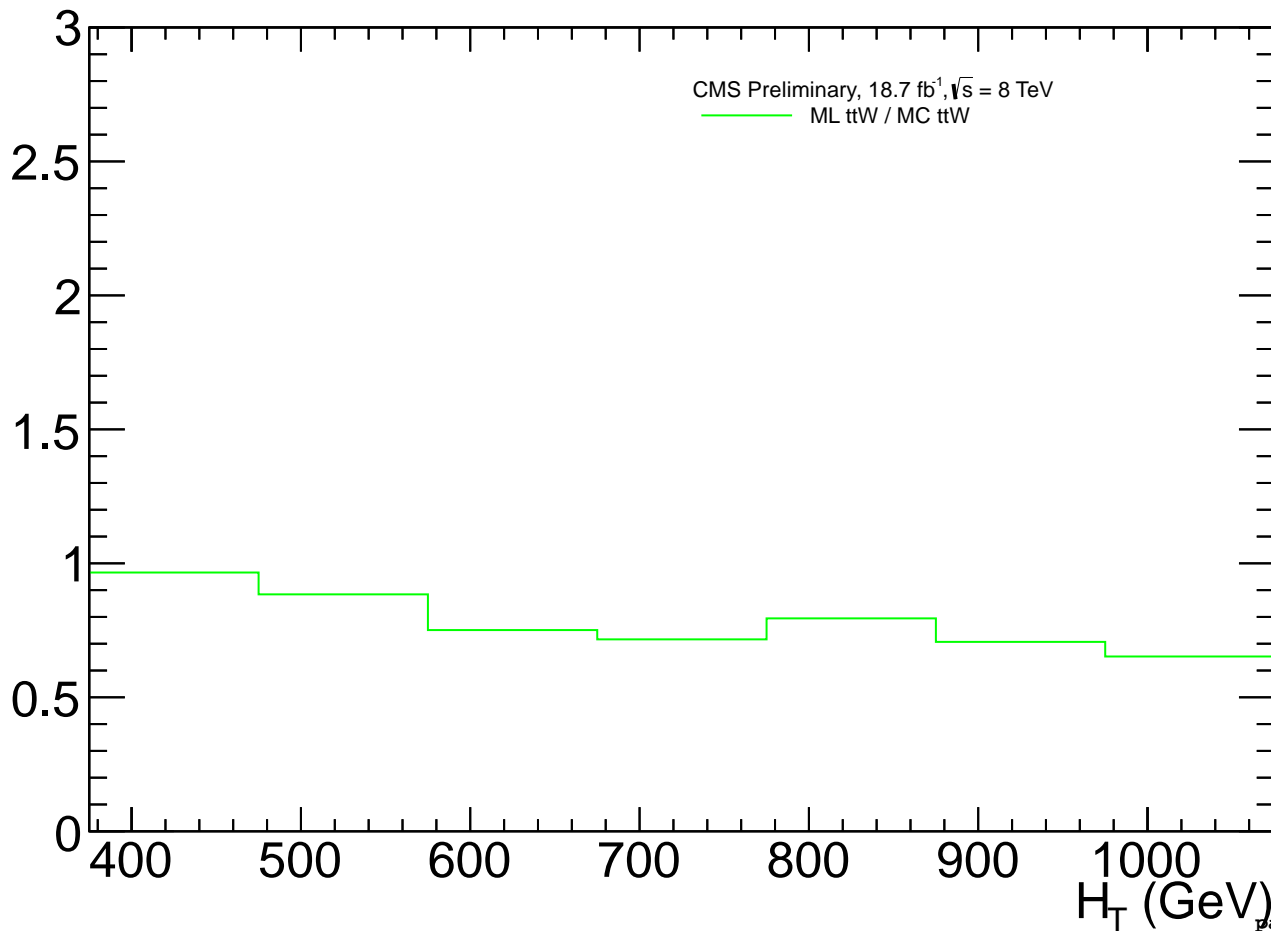


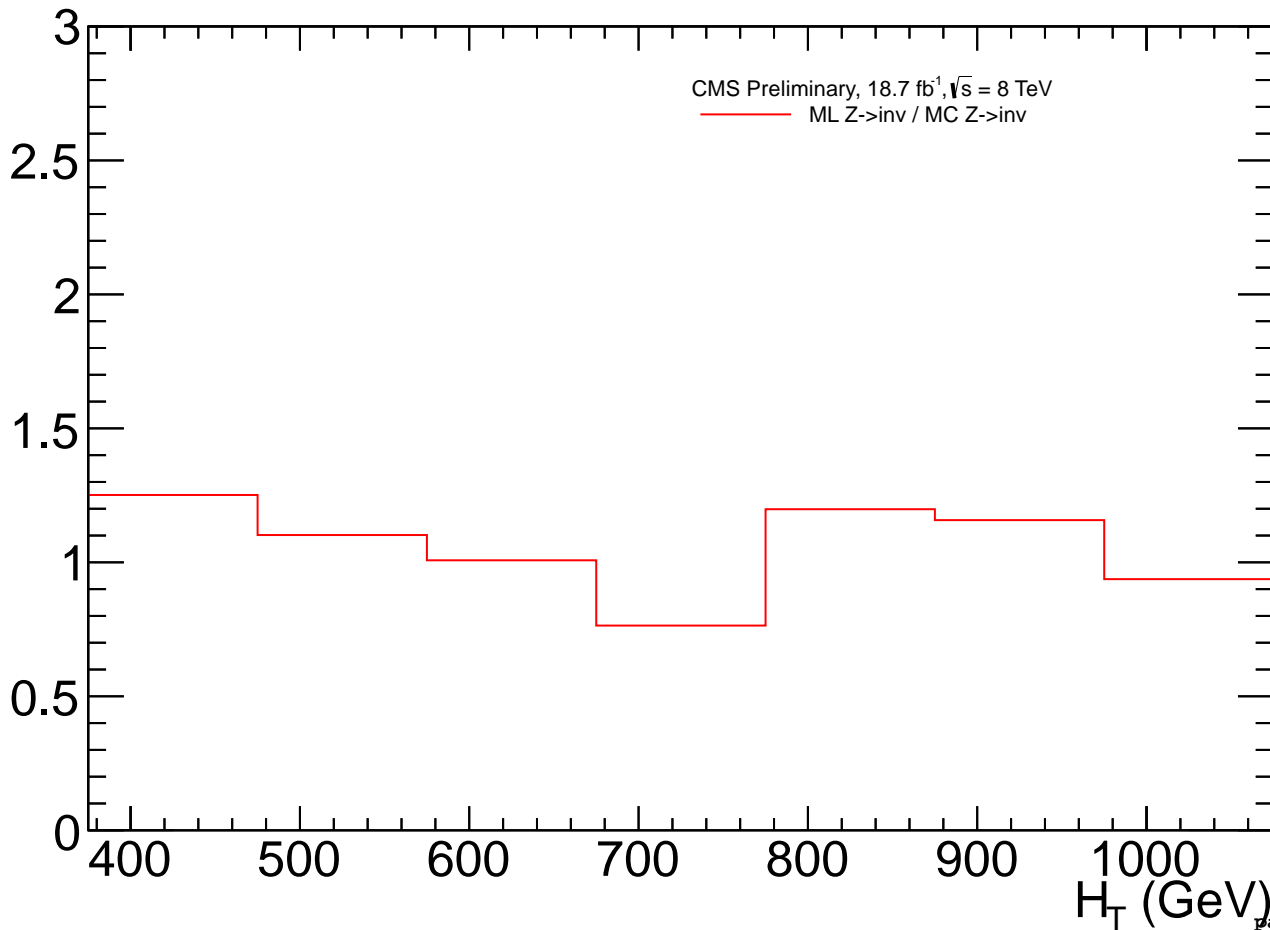
# ttW scale factor (result of fit)



# Zinv scale factor (result of fit)

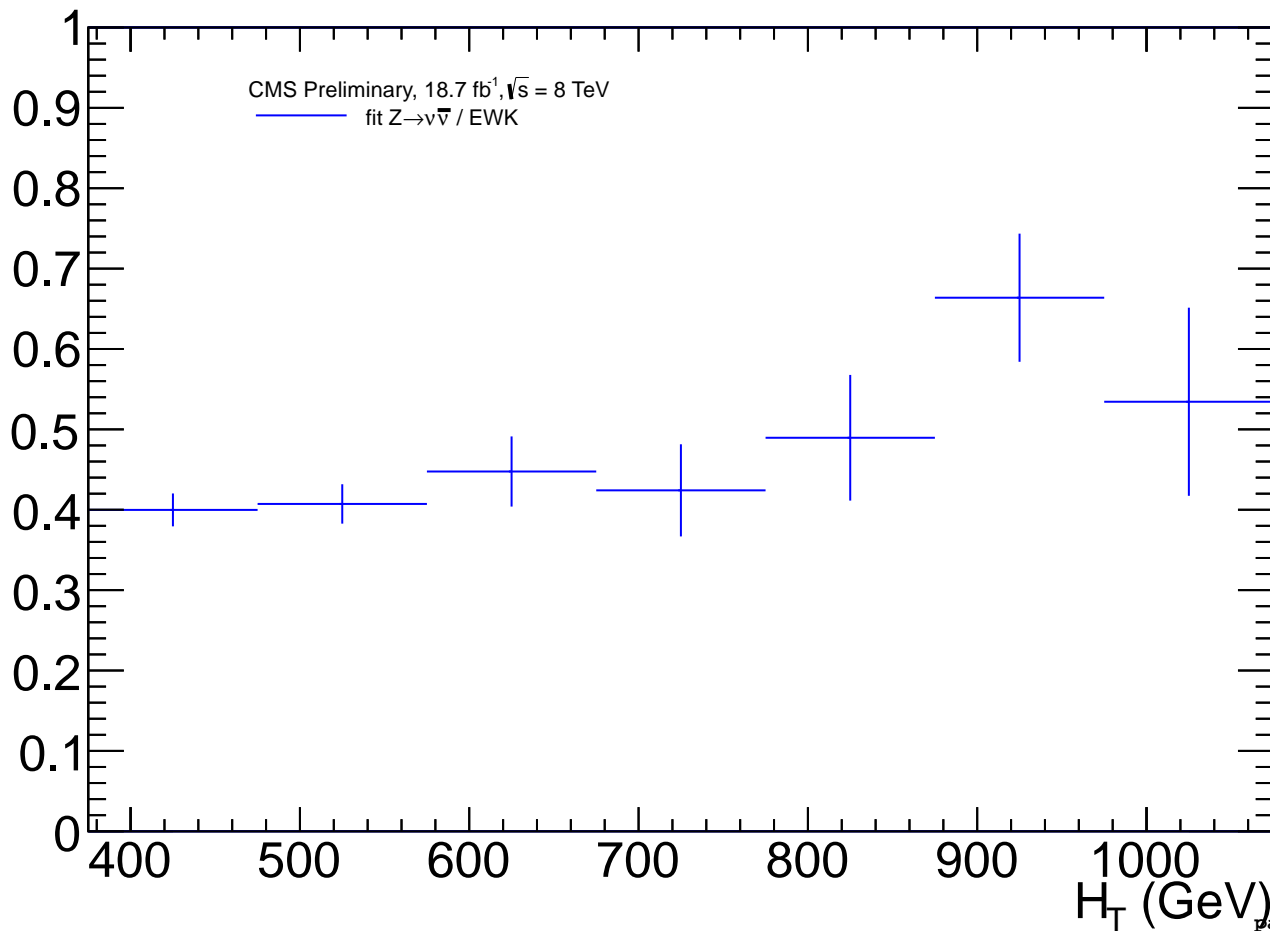
CMS Preliminary, 18.7 fb<sup>-1</sup>,  $\sqrt{s} = 8$  TeV

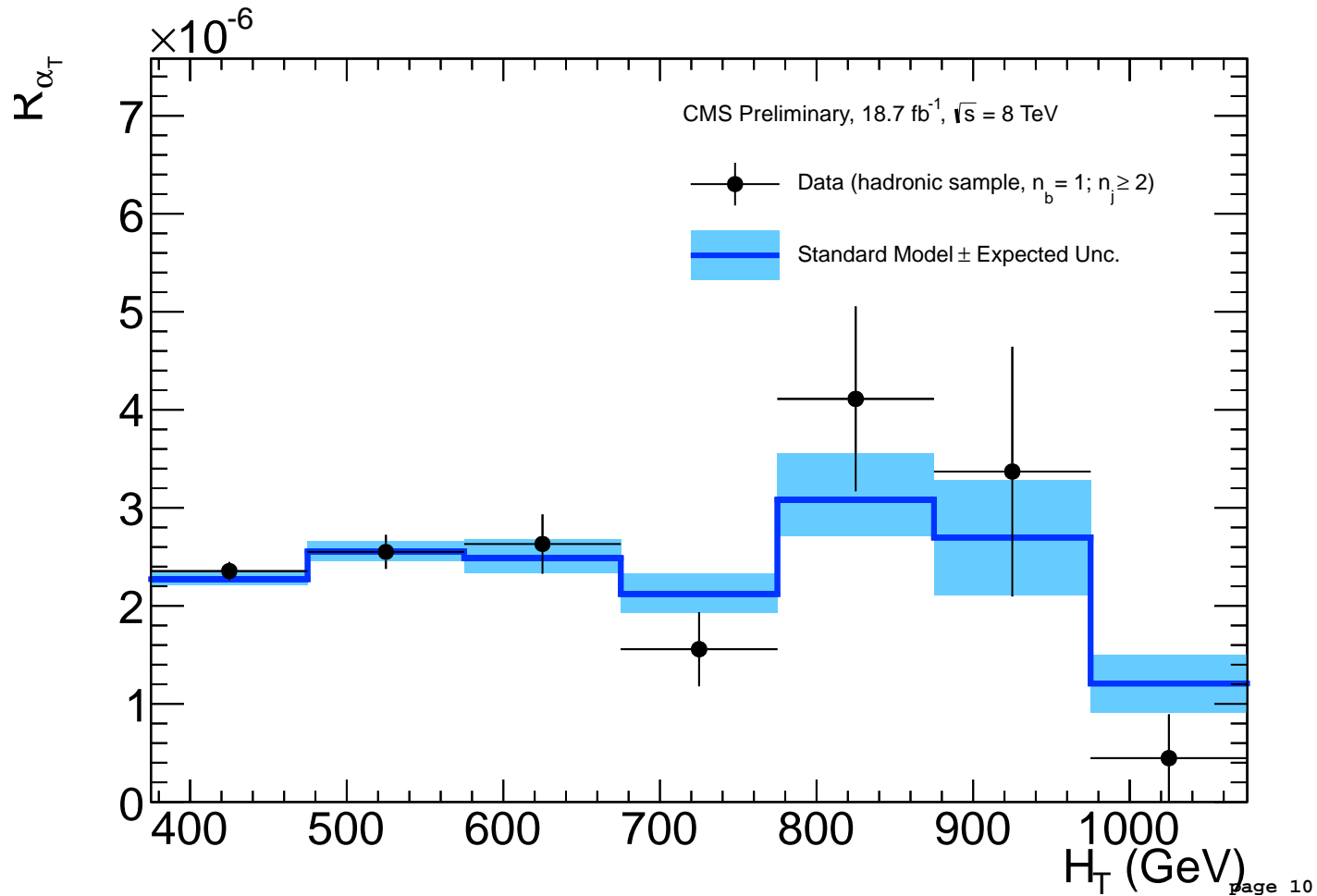
ML Z->inv / MC Z->inv

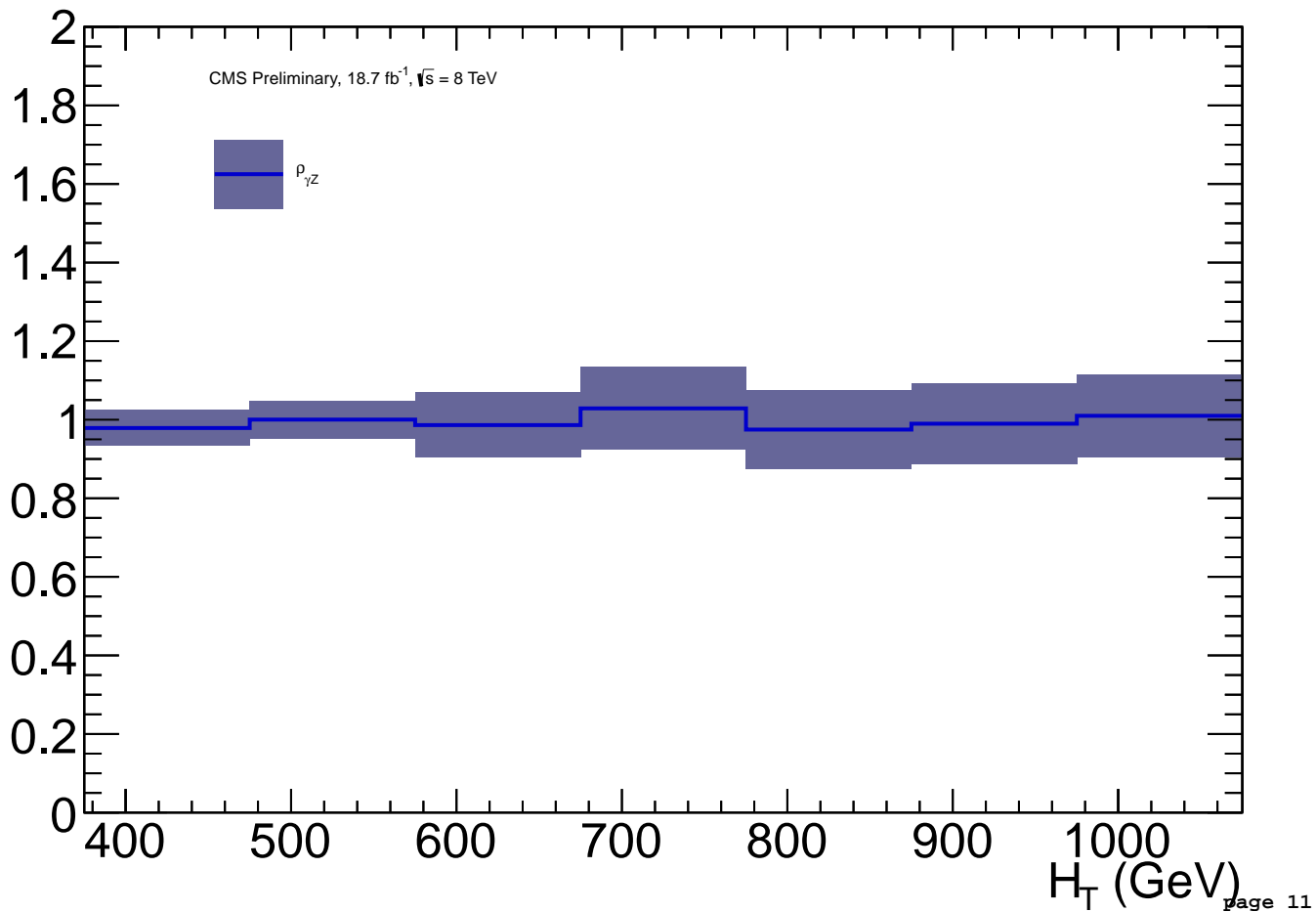


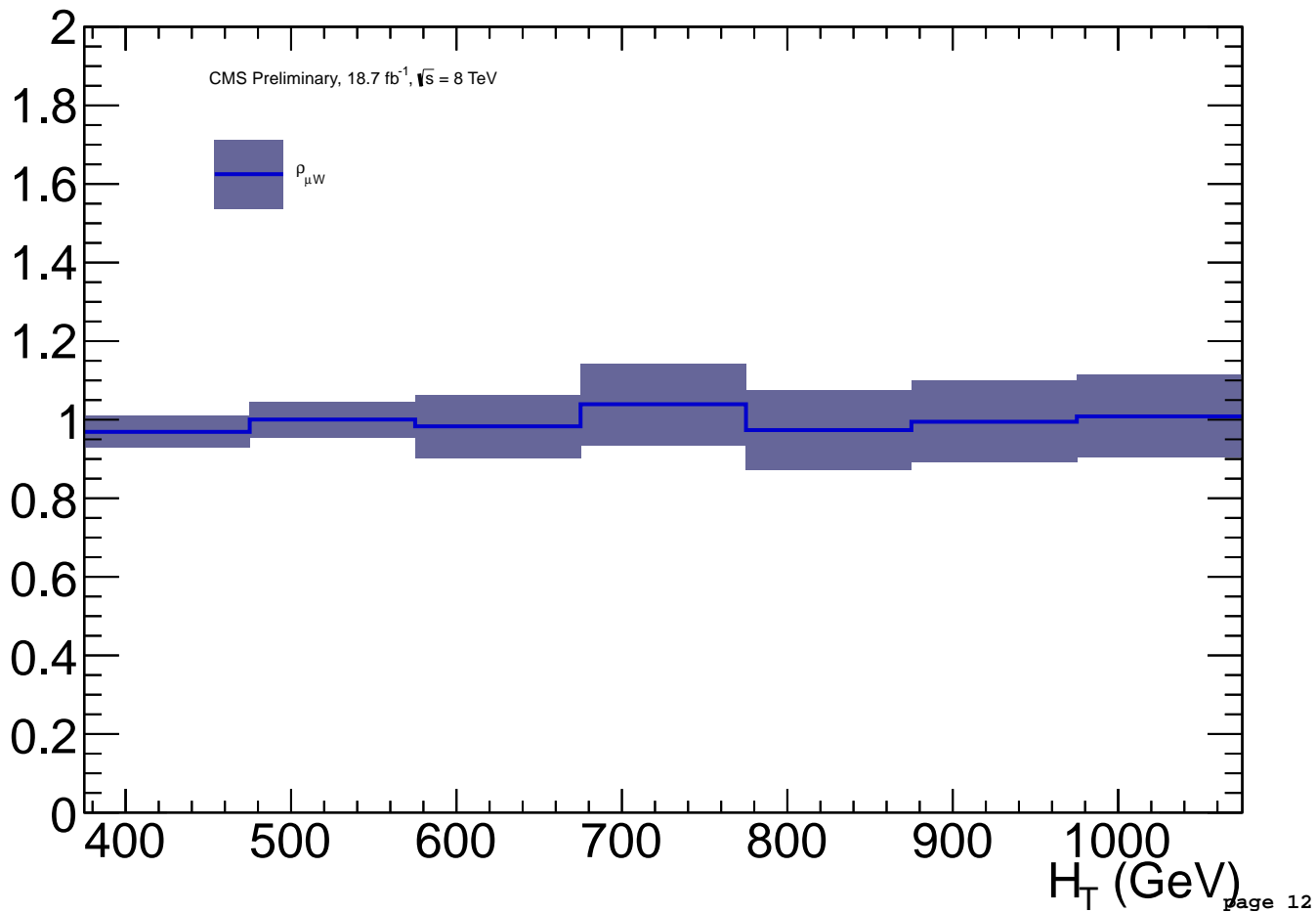


# fraction of EWK background which is Zinv (result of fit)









par name:	value	+/-	error	[ min - max ]
ewk_lb_ge2j_0:	6.17e+02	+/-	1.8e+01	[0.0e+00 - 6.4e+03]
fZinv_lb_ge2j_0:	4.00e-01	+/-	2.0e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge2j_1:	2.17e+02	+/-	8.5e+00	[0.0e+00 - 2.2e+03]
fZinv_lb_ge2j_1:	4.07e-01	+/-	2.5e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge2j_2:	7.19e+01	+/-	5.0e+00	[0.0e+00 - 7.6e+02]
fZinv_lb_ge2j_2:	4.48e-01	+/-	4.4e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge2j_3:	2.31e+01	+/-	2.3e+00	[0.0e+00 - 1.7e+02]
fZinv_lb_ge2j_3:	4.24e-01	+/-	5.7e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge2j_4:	1.42e+01	+/-	1.9e+00	[0.0e+00 - 1.9e+02]
fZinv_lb_ge2j_4:	4.90e-01	+/-	7.8e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge2j_5:	5.60e+00	+/-	1.2e+00	[0.0e+00 - 7.0e+01]
fZinv_lb_ge2j_5:	6.64e-01	+/-	8.0e-02	[0.0e+00 - 1.0e+00]
ewk_lb_ge2j_6:	2.71e+00	+/-	6.7e-01	[0.0e+00 - 1.0e+01]
fZinv_lb_ge2j_6:	5.34e-01	+/-	1.2e-01	[0.0e+00 - 1.0e+00]
rhoPhotZ_lb_ge2j_0:	9.79e-01	+/-	4.5e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge2j_1:	1.00e+00	+/-	4.7e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge2j_2:	9.86e-01	+/-	8.2e-02	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge2j_3:	1.03e+00	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge2j_4:	9.75e-01	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge2j_5:	9.90e-01	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoPhotZ_lb_ge2j_6:	1.01e+00	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_0:	9.69e-01	+/-	4.1e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_1:	1.00e+00	+/-	4.6e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_2:	9.83e-01	+/-	8.0e-02	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_3:	1.04e+00	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_4:	9.74e-01	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_5:	9.95e-01	+/-	1.0e-01	[0.0e+00 - 3.0e+00]
rhoMuonW_lb_ge2j_6:	1.01e+00	+/-	1.0e-01	[0.0e+00 - 3.0e+00]

# correlation\_matrix

