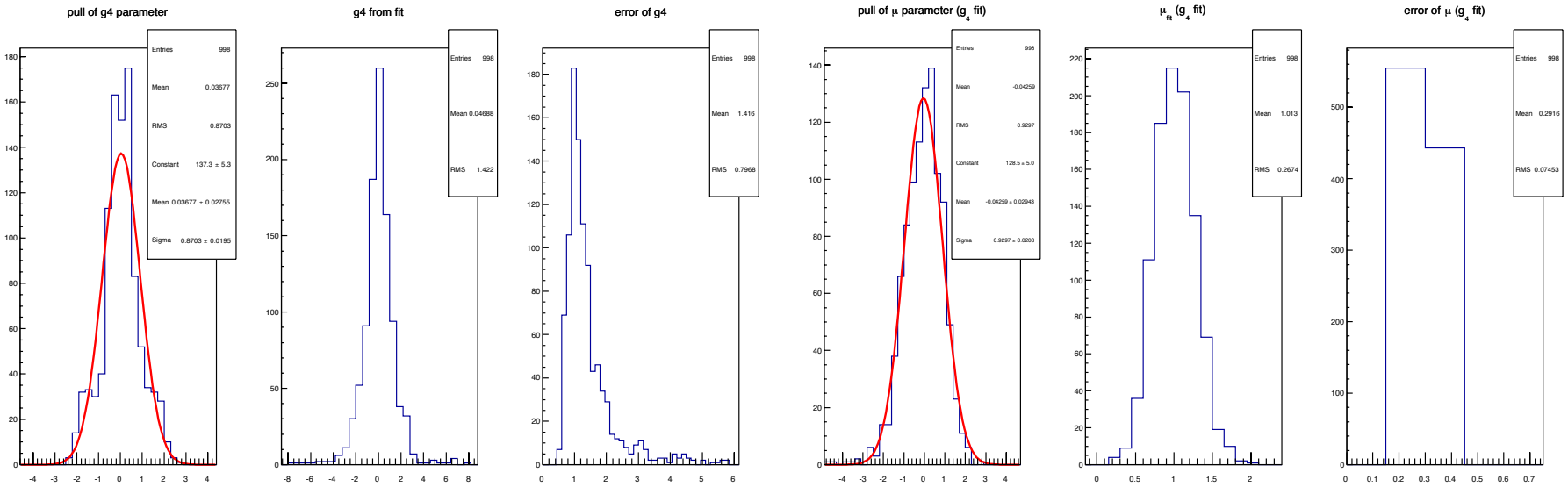
Pdf con integrazione semi-analitica

Giuliano Gustavino

24 Maggio 2013

Pull di g_4 (senza accettanze)

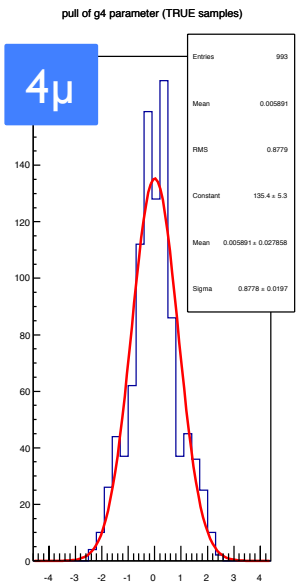


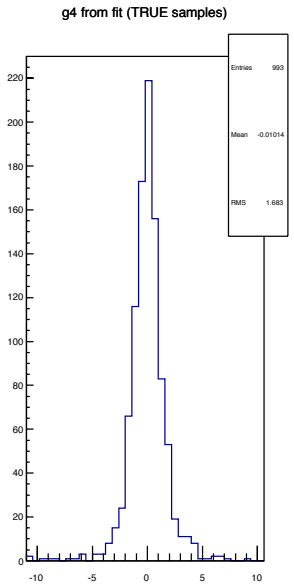
La pdf permette di creare pull con 1000 eventi in meno di un minuto
I pull creati sono come quelli creati in passato: la nuova pdf funziona

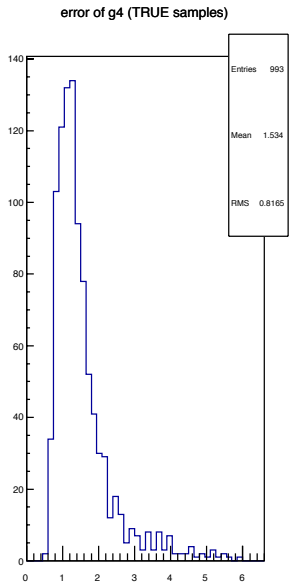
PDF CON ACCETTANZE

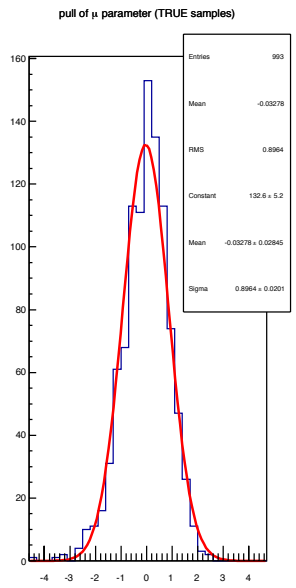
Utilizzo la pdf con accettanza sia per generare i datasets sia per fittarli.

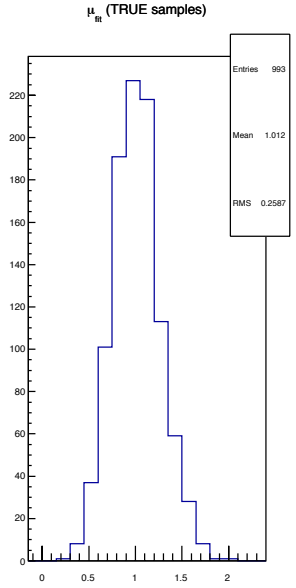
4μ

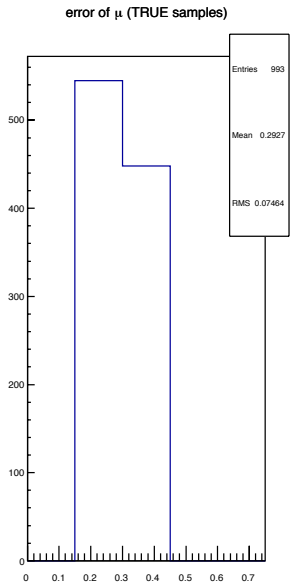




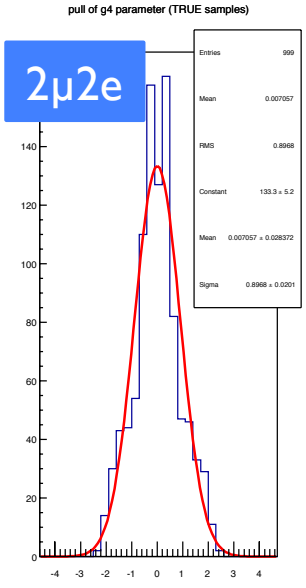


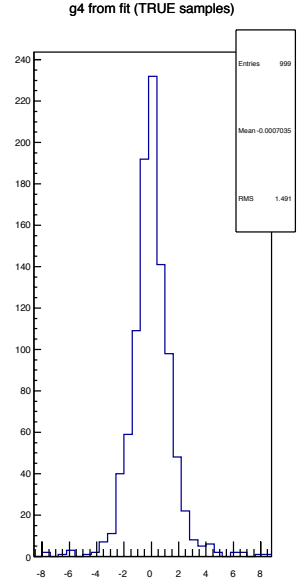


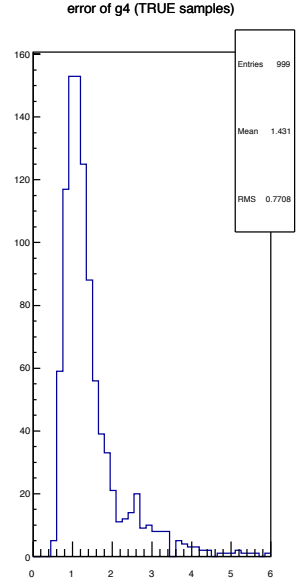


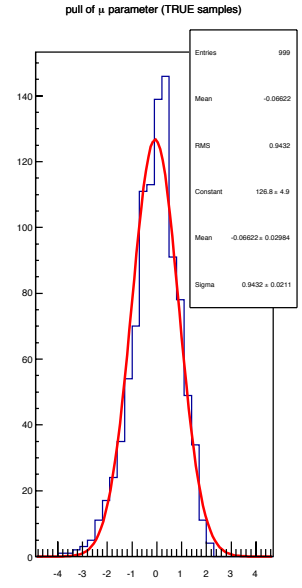


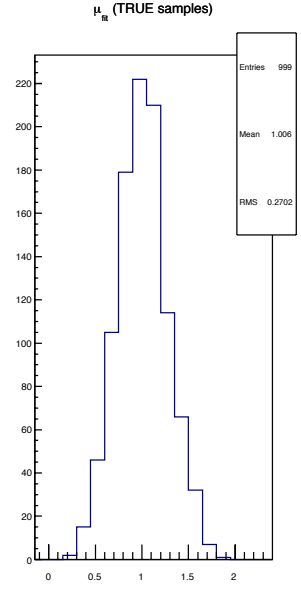
2μ2e

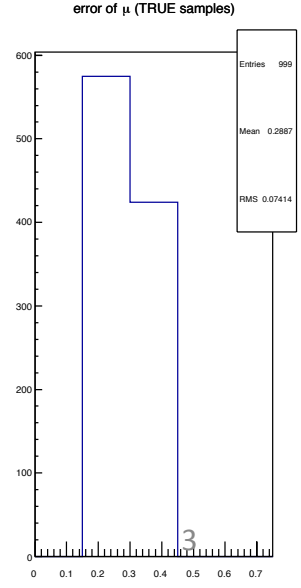






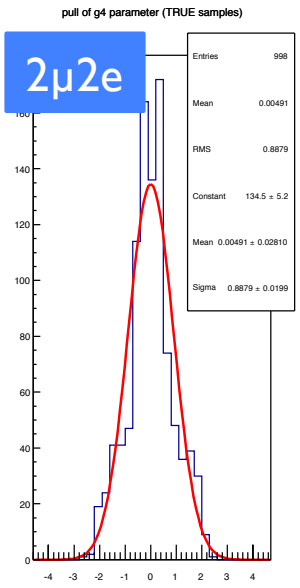


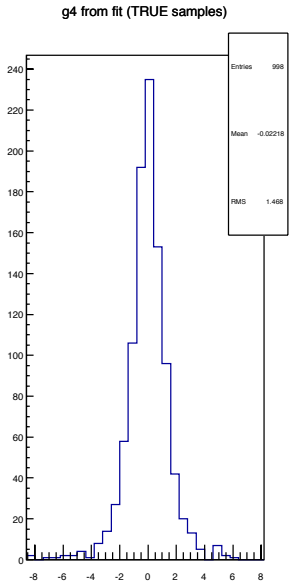


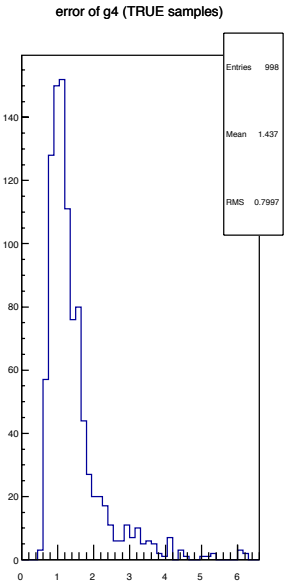


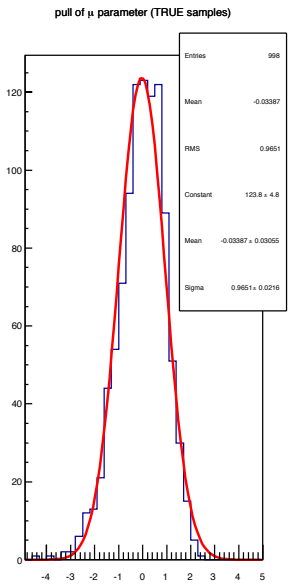
Pdf con accettanze (II)

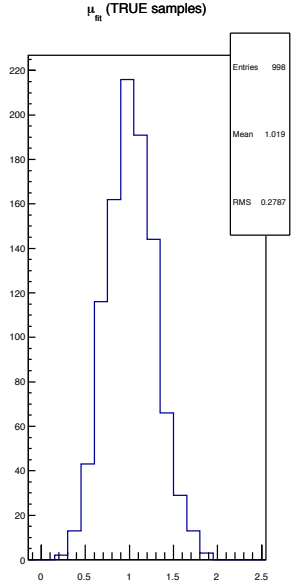
2μ2e

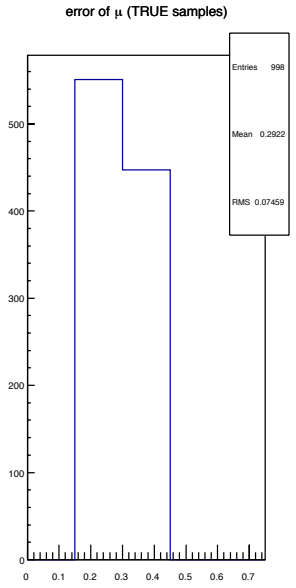




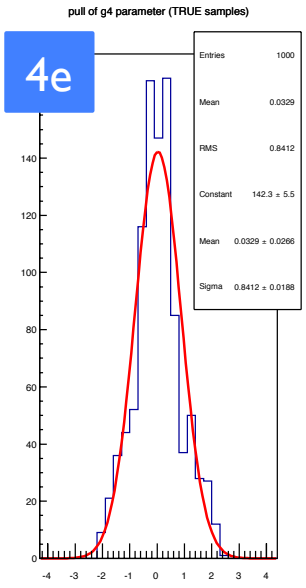


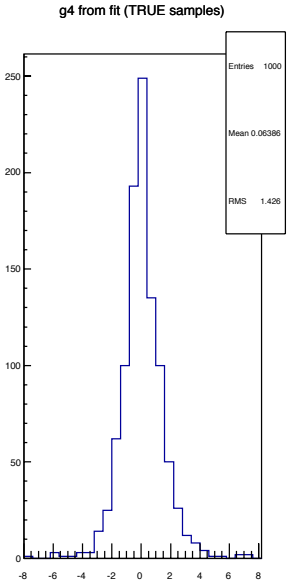


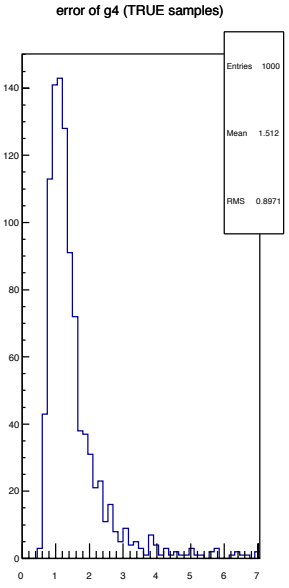


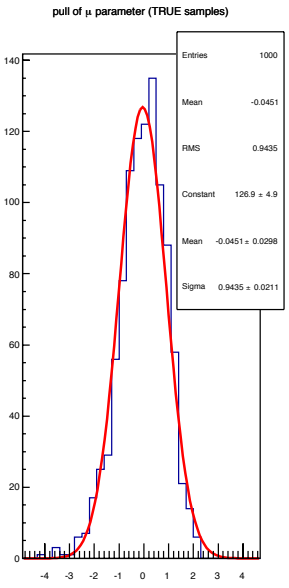


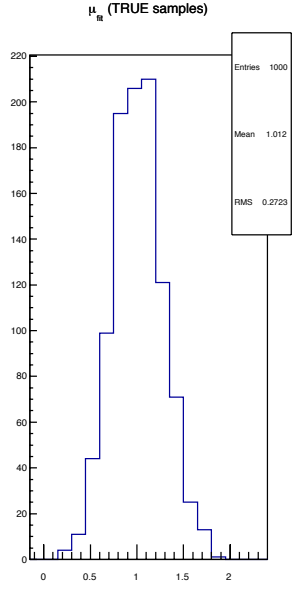
4e

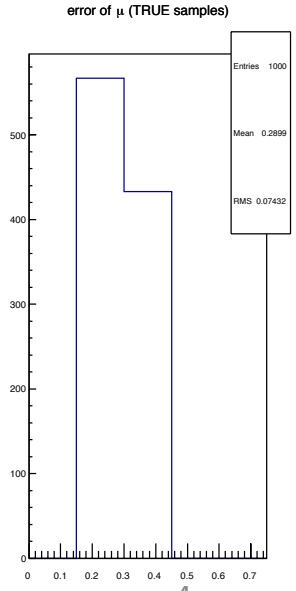












Fit di Samples MC

pdf senza accettanza

1000 events

All channel mis-pairing	$mean_{pull}$	RMS_{pull}
g_4	-0.01	0.51
μ	0.28	0.81

pdf con accettanza

489 4μ
243 4e

4μ-4e mis-pairing	$mean_{pull}$	RMS_{pull}
g_4	0.05	0.77
μ	-0.12	0.98

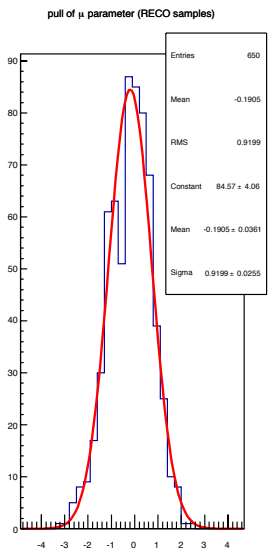
440 4μ
220 4e

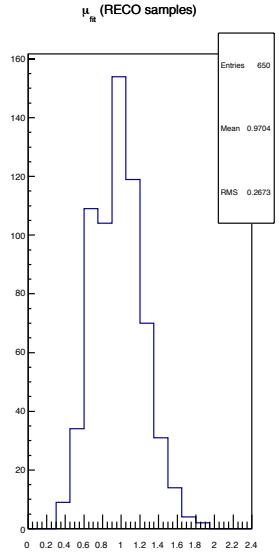
4μ-4e NO mis-pairing	$mean_{pull}$	RMS_{pull}
g_4	0.005	0.56
μ	-0.17	0.99

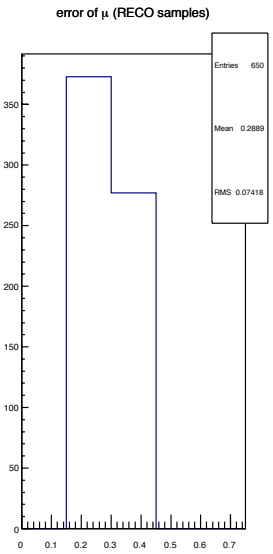
278 2μ2e
373 2e2μ

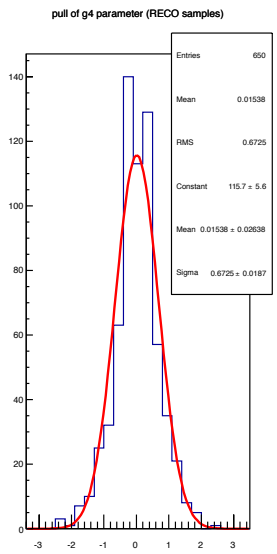
2μ2e - 2μ2e	$mean_{pull}$	RMS_{pull}
g_4	0.015	0.57
μ	-0.19	0.92

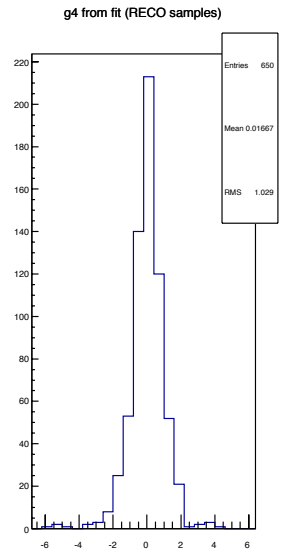
278 2μ2e
373 2e2μ

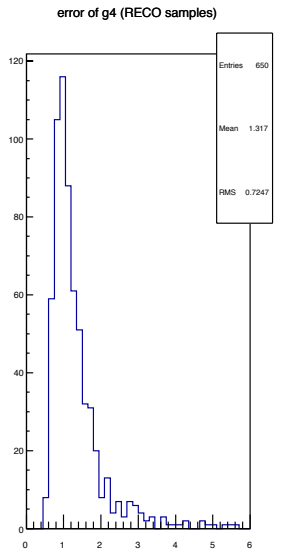




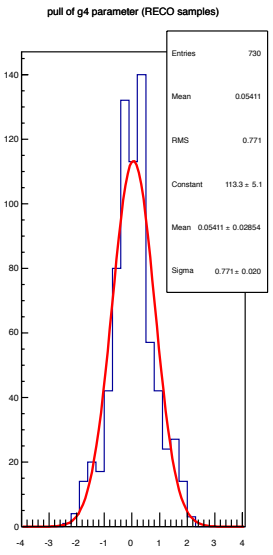


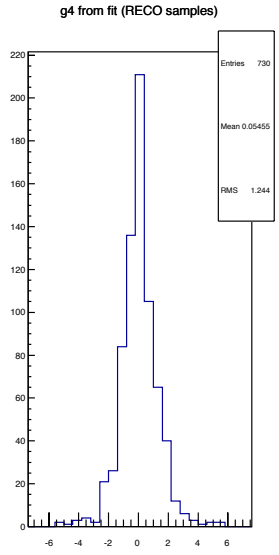


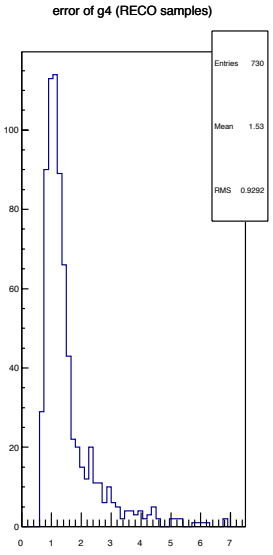


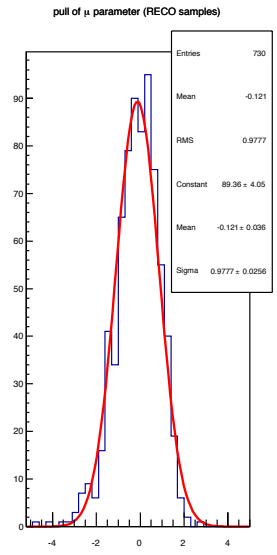


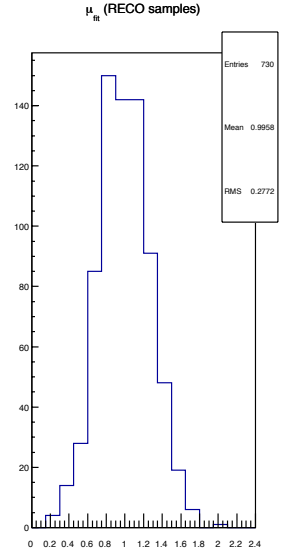
489 4μ
243 4e

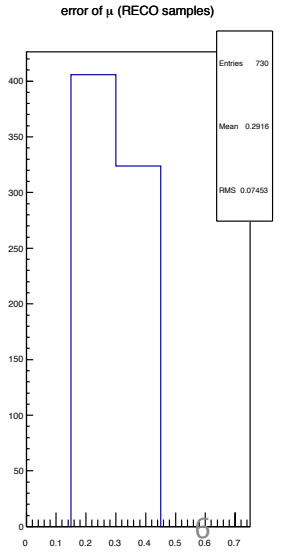






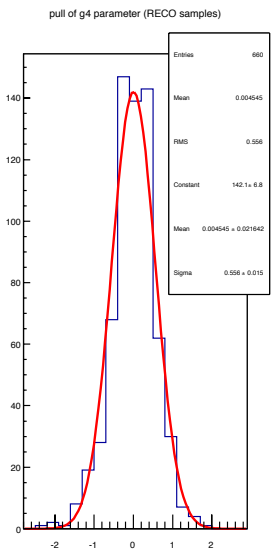


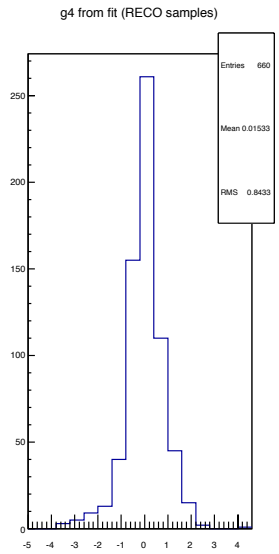


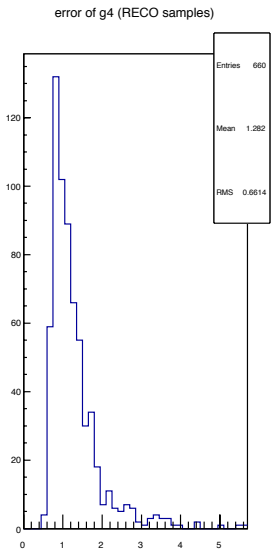


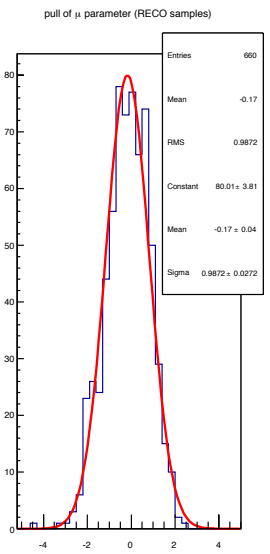
440 4μ
220 4e

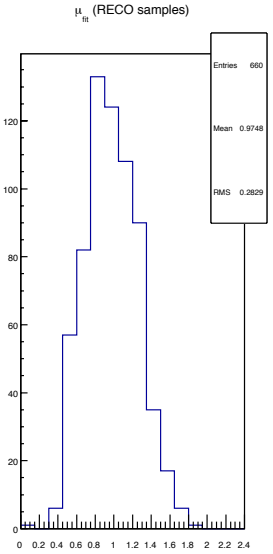
NO mis-pairing

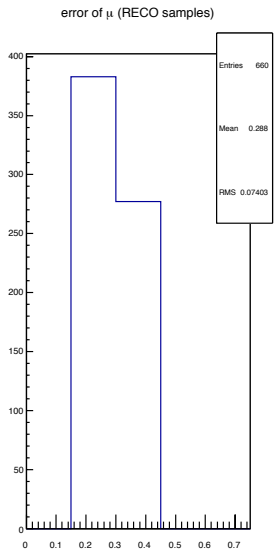












I pull migliorano con le funzioni di accettanza rispetta al fit senza accettanza anche se la RMS rimane ancora stretta