

Weekly Report

Yebo

2020.09.29

The problem of pulls fixed

Old

Without material

$\mu \pm \sigma$	loc0 [mm]	loc1 [mm]	phi [rad]	theta [rad]	q/p [e/GeV]
Prediction	0.00 ± 1.01	0.006 ± 1.011	0.01 ± 1.01	-0.006 ± 1.011	-0.01 ± 1.01
Filter	0.00 ± 1.01	0.006 ± 1.011	0.01 ± 1.01	-0.006 ± 1.011	-0.01 ± 1.01
Smooth	-0.002 ± 1.151	0.005 ± 1.047	0.000 ± 1.102	-0.005 ± 1.045	-0.003 ± 1.102
Fit	0.000 ± 1.406	-0.012 ± 1.375	-0.003 ± 1.391	-0.004 ± 1.365	-0.003 ± 1.345

With material

$\mu \pm \sigma$	loc0 [mm]	loc1 [mm]	phi [rad]	theta [rad]	q/p [e/GeV]
Prediction	0.00 ± 1.01	0.006 ± 1.011	0.01 ± 1.01	-0.01 ± 1.01	-0.01 ± 1.01
Filter	0.00 ± 1.01	0.01 ± 1.01	0.01 ± 1.01	-0.007 ± 1.011	-0.01 ± 1.01
Smooth	-0.0003 ± 0.9156	0.005 ± 1.017	-0.0005 ± 0.7271	-0.006 ± 1.027	-0.004 ± 1.058
Fit	0.001 ± 1.046	-0.004 ± 1.214	-0.001 ± 1.106	-0.004 ± 1.336	-0.003 ± 1.353



New

Without material

$\mu \pm \sigma$	loc0 [mm]	loc1 [mm]	phi [rad]	theta [rad]	q/p [e/GeV]
Prediction	0.005 ± 1.007	0.006 ± 1.007	0.007 ± 1.007	-0.006 ± 1.007	-0.008 ± 1.007
Filter	0.005 ± 1.007	0.006 ± 1.007	0.007 ± 1.007	-0.006 ± 1.007	-0.008 ± 1.007
Smooth	0.0001 ± 0.9507	0.0007 ± 0.9146	-0.0001 ± 0.8541	0.0016 ± 0.7544	-0.0005 ± 0.7784
Smooth_combine	-0.000 ± 1.005	0.006 ± 1.007	0.003 ± 1.003	-0.006 ± 1.007	-0.004 ± 1.004
Fit	0.000 ± 1.001	-0.001 ± 1.003	-0.0013 ± 0.9996	-0.001 ± 1.002	-0.0017 ± 0.9974

With material

$\mu \pm \sigma$	loc0 [mm]	loc1 [mm]	phi [rad]	theta [rad]	q/p [e/GeV]
Prediction	0.005 ± 1.002	0.005 ± 1.003	0.007 ± 1.002	-0.006 ± 1.003	-0.009 ± 1.003
Filter	0.005 ± 1.002	0.005 ± 1.003	0.007 ± 1.002	-0.006 ± 1.003	-0.009 ± 1.003
Smooth	0.0001 ± 0.9482	0.0007 ± 0.9091	0.0001 ± 0.8559	0.0019 ± 0.7514	-0.0002 ± 0.7876
Smooth_combine	-0.001 ± 1.001	0.005 ± 1.004	0.0027 ± 0.9992	-0.006 ± 1.004	-0.0 ± 1.0
Fit	-0.000 ± 1.001	-0.001 ± 1.003	-0.0 ± 1.0	-0.001 ± 1.003	-0.0028 ± 0.9975