

Testbeam: comparison data ↔ MC: Summary

Data	Physics list	response	resolution	longitudinal	lateral
CTB - Barrel	QGSP	low	OK	too short	too narrow
	QGSP-BERT	OK	low	short	narrow
	FTFP	OK	low	too short	too narrow
	FTFP-BERT	high	low	long	narrow
HEC	QGSP-BERT	~ OK	low	somewhat short	
	FTFP	OK	OK	too short	
	FTFP-BERT	too high	too low	OK	
CTB-EMEC/HEC	QGSP			too short	too narrow
	QGSP-BERT	somewhat high	low	somewhat short	somewhat narrow
CTB-FCAL	QGSP-BERT	almost OK, but FCAL0,1	low	somewhat short	somewhat narrow
FCAL	QGSP-BERT	somewhat high but FCAL0,1	low	somewhat short	somewhat wide FCAL1/2 !!!!

◆ QGSP-BERT seems to be the best compromise ... but for sure not perfect (resolution!!)
testbeam: summary comparison