

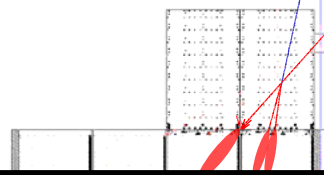


Beam Test Deliverables - delivered

Topic	Software update	Description	notes
Tkr digitization	✓ TkrDigi v2r6	Charge sharing and ion signal	No significant changes to TKR hit counts
Cal calibration procedure	✓ column-wise charge injection in CAL CPT	Correct non-linearities in charge injection	Improved CAL calibration but did not solve energy shift Default calibration for the LAT Not relevant for simulation
CalRecon	✓ GRv11	Correct xtal and inter-range xtalk	Require mapping of xtalk for the LAT Not relevant for simulation
AccdDigi	✓ GRv11	better single ph-e signal simulation	
Hadronic physics list	✓ GRv12		1 background run with LE model (Bertini) already produced in current SC
TKR Material audit	✓ GRv12	Real TKR W thickness (-8%)	Must complete review of other subsystems



Beam Test Deliverables



Topic	Expected delivery	Description	notes
TKR Material audit	End september	Passive material real mass	Missing mass in current model mostly around active area – probably small effect
CAL Material audit	End september	Real CAL mass	Preliminary surveys indicate current model is good
TKR alignment in MC	Quick fix available	Fix bug in MC alignment	Checking out alternative alignment philisophy
Background simulations with higher TKR hits	End september	Increase nb of simulated TKR hits to mimick BT data	Check effect of TKR hit discrepancy on bkg rejection
Background simulations with shifted CAL energies	End september	Scale simulated CAL energies to mimick BT data	Will start with average value. Require full mapping of meaningful variables (CalTransRms, single-layer energy ...)
Final best physics list	November	Final MC tuning	Possibly dig deeper into single processes parameterization