

Beam Test Analysis Memo - List of plots

List of plots for the [Beam Test Analysis Memo](#)

DRAFT - work in progress, please post comments

Raw quantities

Plot	code	Data runs	MC runs	definition	notes	example	current version with latest data and sims	assignee
agreement matrix	AM			table of average (data-MC) /data vs energy and angle	review angle and energy bin, variable selection	Johan status report at Bari meeting	NA	
Tkr hits summary - EM	TKRHITS			Average SVAC.TkrTotalHits (data-MC)/data vs energy	2 plots (EM and HAD), combined PS and SPS		NA	
Tkr cluster summary - EM	TKRCLU			Average Merit.TkrTotalHits (data-MC)/data vs energy	2 plots (EM and HAD), combined PS and SPS		NA	
Tkr ToT	TKRTOT			Average Tkr1ToTFirst (data-MC)/data vs energy	2 plots (EM and HAD), combined PS and SPS; consider other ToT variables? breakout for Vtx, 1Tkr, nTkr (my feeling would be no)?		NA	
Cal Hit Log	CALHIT			Average.CalNumHit (data-MC)/data vs energy	2 plots (EM and HAD), combined PS and SPS		NA	
Cal Energy Raw	CALRAW			Average.CalEnergyRaw (data-MC)/data vs energy	combined PS and SPS		NA	

Recon quantities and performance

Plots	code	Data runs	MC runs	definition	notes	example	current version	assignee
Cal Energy Recon	CALREC ON			Average.CalLkHdEnergy (data-MC) /data vs energy	plot more energy variables? what about CTBBestEnergy? combined PS and SPS		NA	
Cal Energy Resolution	CALRES			CAL energy resolution	RMS of the energy recon variables over the phase space and for different algorithms	Philippe BT status report at SLAC august 07, page14	NA	
PSF	PSF			68% containment of the incoming particle direction distribution	single plot with photons (tagged+full-brem) and electrons; review event classes (consider the std Vtx, 1Tkr, nTkr?)	Nicola, 26/9/07, pages 11-12	NA	