EM ENERGY SCALE				
Process	**MC Generator**	**Cuts**	**N_{events}**	**Geometry**
Light Resonances				
$\pi^0 \to \gamma\gamma \to 4e^{\pm}$ **?**				**M+P**
$\eta^0 \to \gamma\gamma \to 4e^{\pm}$ **?**				**M**
$J/\Psi \to e^+e^-$	**PYTHIA**	$p_T(e^{\pm})$ **>1 GeV**	**50 K**	**M+P**
$\Upsilon \to e^+e^-$	**PYTHIA**	$p_T(e^{\pm})$ **>1 GeV**	**50 K**	**M**
Heavy Resonances				
$Z \to e^+e^-$	**PYTHIA**		**50 K**	**M+P**
	HERWIG		**50 K**	**M**
$W^{\pm} \to e^{\pm}\nu_e$	**PYTHIA**		**100 K**	**M**
	HERWIG		**20 K**	**M**
	VECBOS		**20 K**	**M**
$W^{\pm} \to \tau^{\pm}\nu_{\tau} \to e^{\pm}\nu_e\nu_{\tau}$	**PYTHIA**		**20 K**	**M**

Common cuts: $|\eta^*|$ <4.2 and $\hat{p}_T$ >5 GeV
Common PDFs: CTEQ5L (or CTEQ5M?)
Geometry: M (Mixture), P (Plate level)

HADRON AND JET ENERGY SCALE				
Process	**MC Generator**	**Cuts**	**N_{events}**	**Geometry**
Non-Resonant Processes				
$\gamma + jet$	**PYTHIA**		**100 K**	**M+P**
	HERWIG		**50 K**	**M**
$\gamma + b - jet$	**PYTHIA (QQ)**		**25 K**	**M**
	HERWIG (QQ)		**25 K**	**M**
QCD (udscg)	**PYTHIA**		**100 K**	**M**
$b\bar{b}$	**PYTHIA (QQ)**		**50 K**	**M**
Resonant Processes				
$Z \to e^+e^-/\mu^+\mu^-$	**PYTHIA**	$p_T(Z)$ **>5 GeV**	**25 K**	**M**
	HERWIG	$p_T(Z)$ **>5 GeV**	**25 K**	**M**
$Z \to b\bar{b}$	**PYTHIA (QQ)**		**50 K**	**M**
$W^\pm \to \tau^\pm\nu_\tau$ $\to h^\pm\nu_\tau\bar{\nu}_\tau$	**PYTHIA**	(**no** π^0)	**25 K**	**M**
$W^\pm \to \tau^\pm\nu_\tau$ $\to h^\pm\pi^0\nu_\tau\bar{\nu}_\tau$	**PYTHIA**		**25 K**	**M**

Common cuts: $|\eta^*|$ <4.2 and $\hat{p}_T$ >5 GeV
Common PDFs: CTEQ5L (or CTEQ5M?)
Geometry: M (Mixture), P (Plate level)