

Current status 3/1

- ILC 250 with ISR / BS
- Pol(e^+, e^-) = (+0.8, -0.3) : $\mathcal{L} = 900 [\text{fb}^{-1}]$

ILD work in progress

	Signal Entries				
	$M_N=85$	$M_N=95$	$M_N=100$	$M_N=110$	$M_N=120$
No cut	48	48	39	19	3
$e_{\text{iso}} \# = 2 \ \&\& \ \gamma_{\text{iso}} \# = 0$ &\& $\mu_{\text{iso}} \# = 0$	10	16	13	6	1

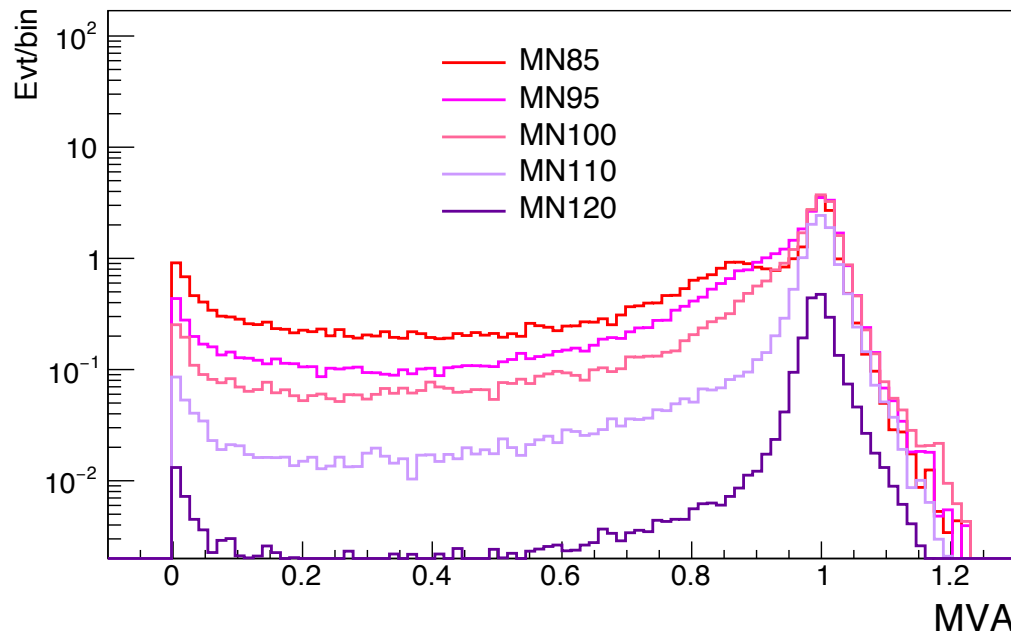
Problem: lose many isolated electron in the point of precut



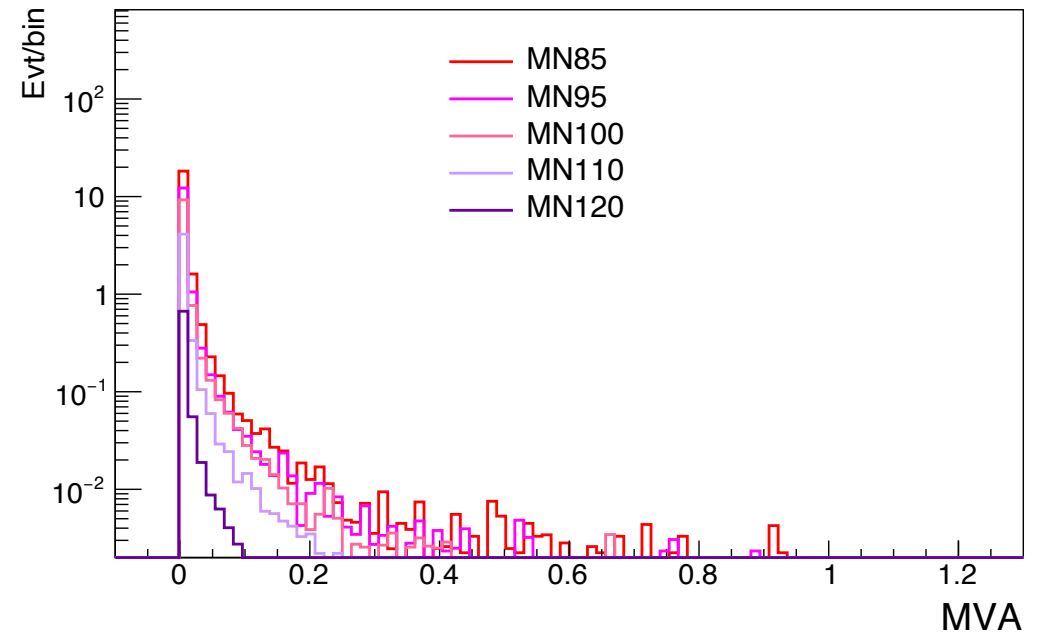
MVA cut 0.5 (default) \rightarrow 0

MVA output (eLpR)

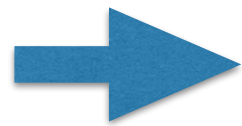
Signal electron



Not signal electron



MVA cut 0



$MVA > 0.05 \ \&\& \ e_{\text{iso}} \# \geq 2$
Choose best electrons pair by two
highest MVA

Current status 3/1

- MN = 95 GeV event has a problem. (Data empty)
- Reproducing backgrounds were already done (MVA = 0.05)