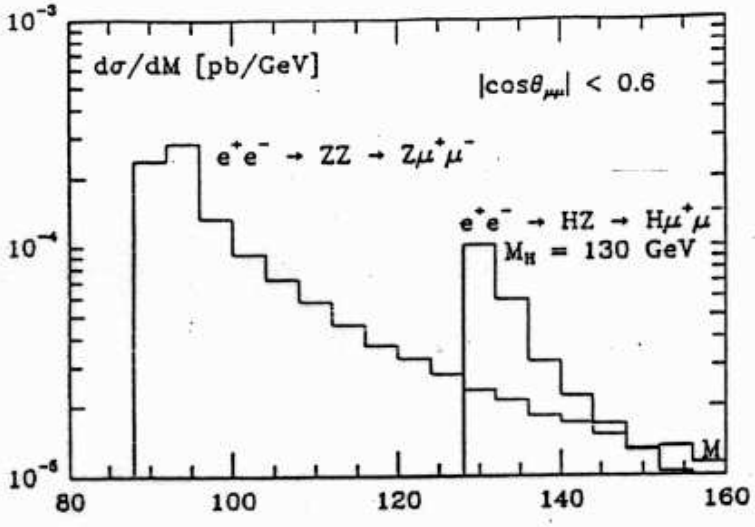
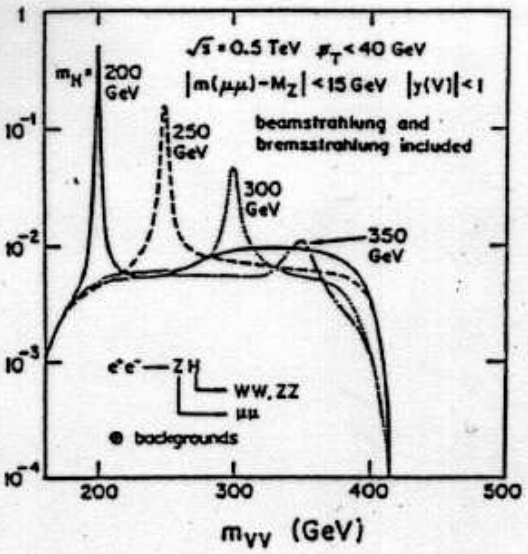
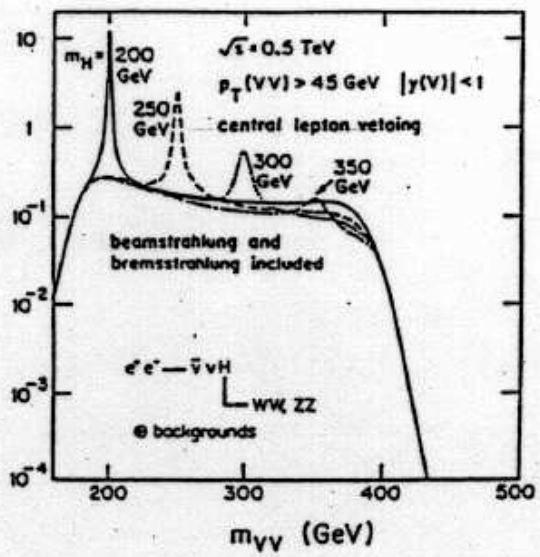


(a)



(b)



(c)

Fig.5: (a) Distribution of the missing mass $M^2 = (p_{e^+} + p_{e^-} - p_{\mu^+} - p_{\mu^-})^2$ for the $e^+e^- \to H\mu^+\mu^-$ signal (assuming $M_H = 130$ GeV) and the $e^+e^- \to \mu^+\mu^- Z$ background (with an angular cut $\theta_{\mu\mu} < 0.6$). Distributions of $d\sigma/dM_{VV}$ for heavy Higgs signals and backgrounds in the Higgs-strahlung (b) and the WW/ZZ fusion (c) processes. Acceptance cuts are applied, and bremsstrahlung, beamstrahlung and the energy spread are taken into account everywhere; $\sqrt{s} = 500$ GeV and the DESY–Darmstadt design (results for TESLA are similar) are assumed.