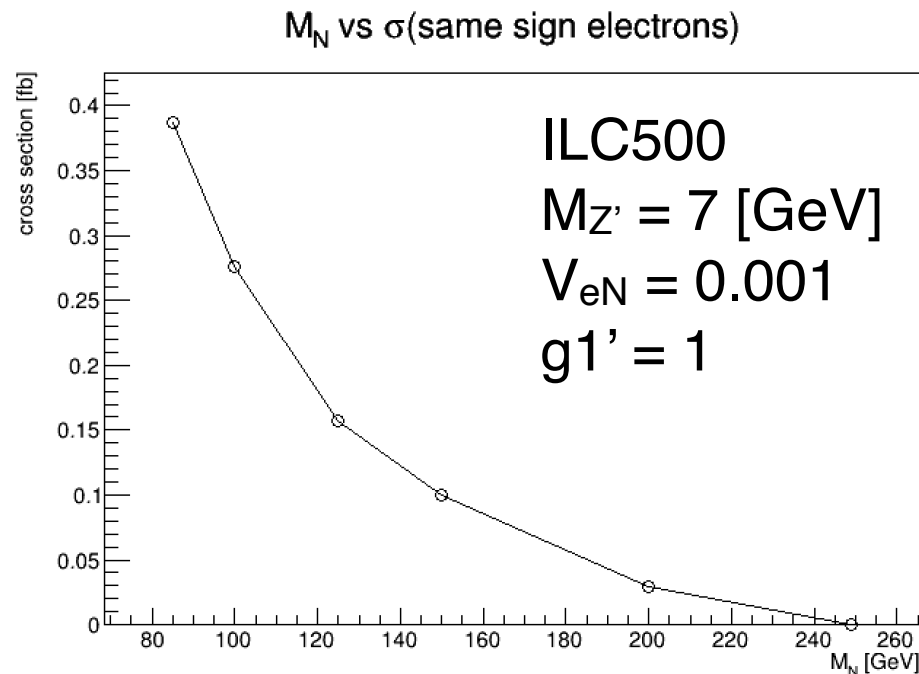# Current status (11/12)

Last week…
I said I would prepare for the analysis at ILC250

-> (first step)
Investigating the optimal parameters (M_N, $M_{Z'}$, V_{eN}, g1') of our analysis at ILC500 from cross section point of view

M_N vs σ(same sign electrons)

ILC500
$M_{Z'}$ = 7 [GeV]
V_{eN} = 0.001
g1' = 1

σ(same sign) = σ(ee->NN)×(2×BR(N->eW)^2)