

# WIMP benchmark : To Do (R. Yonamine)

## ❖ Nrec/Ngen plot

- ▶ In the previous plot, I used highest Pt photon variable, and this means I only looked at events that has at least one photon!

## ❖ Try without $E_\gamma < 220\text{GeV}$ cut.

## ❖ Try $M_\chi < 1\text{GeV}$

- ▶ At this moment,  $M_\chi \geq 1\text{GeV}$ .
- ▶ Technically our analysis program runs, but we have to make sure it does physically make sense (cross section, error estimation, reweighting, extrapolation etc).

## ❖ Update plots on confluence page.