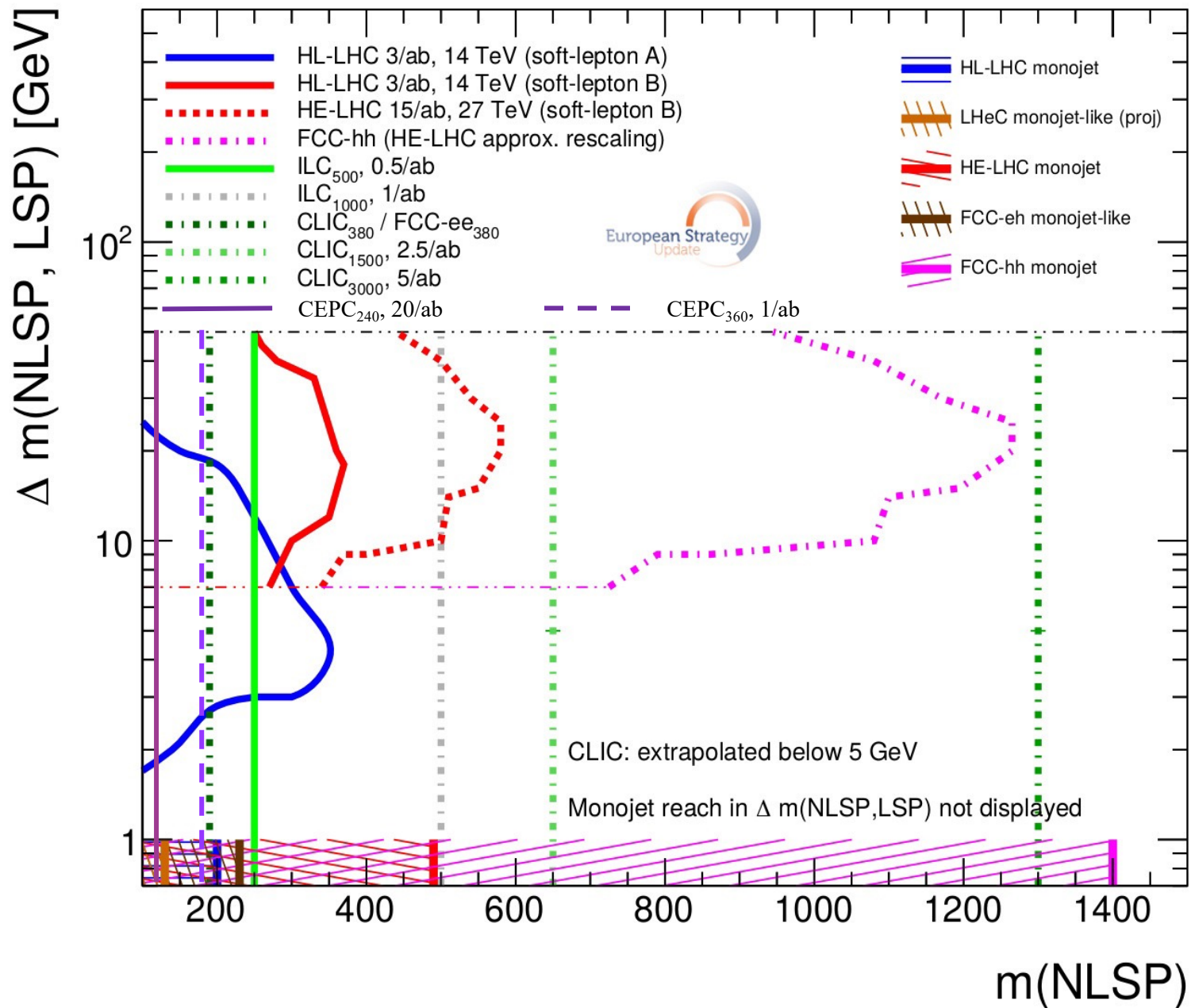
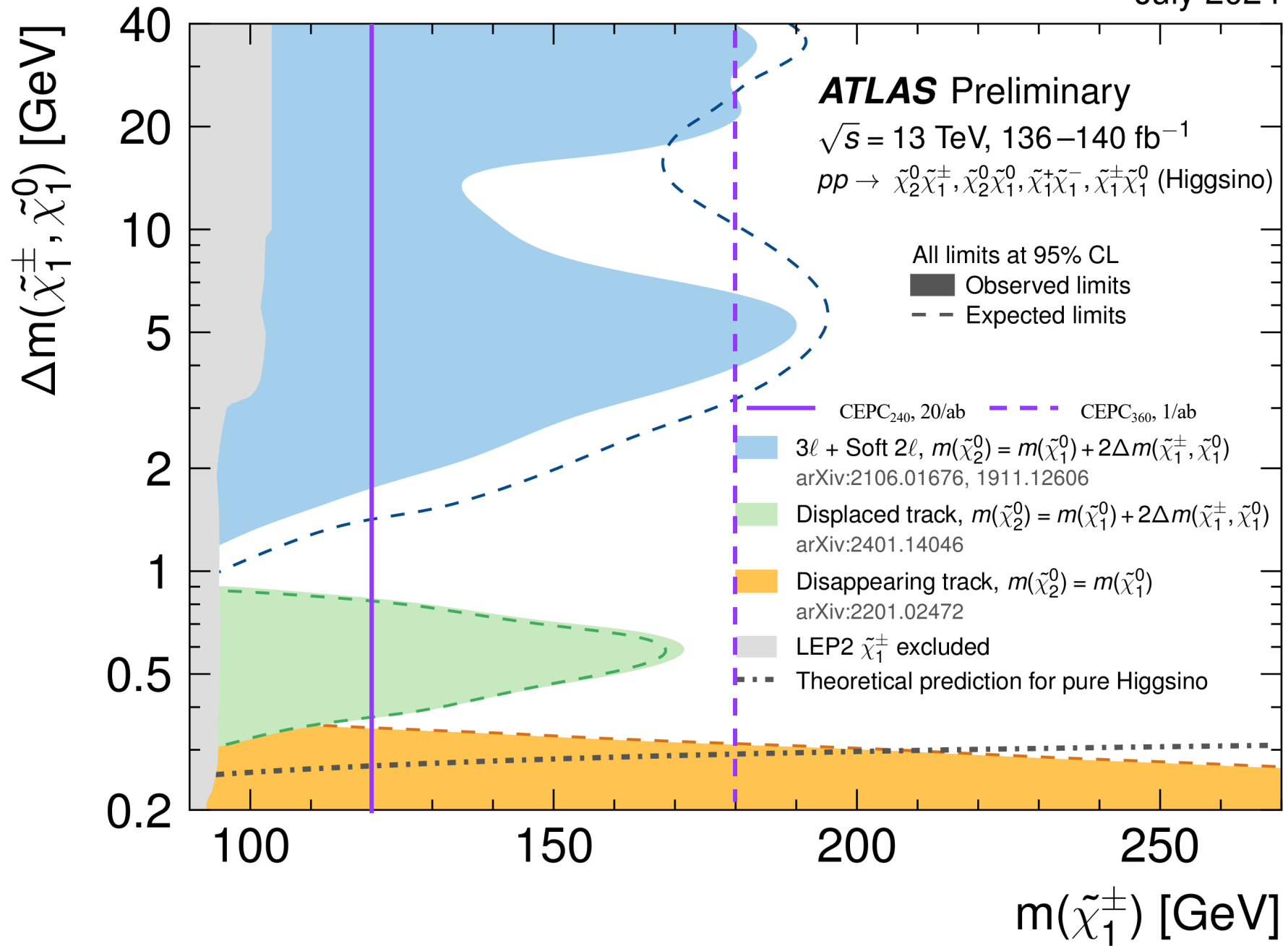
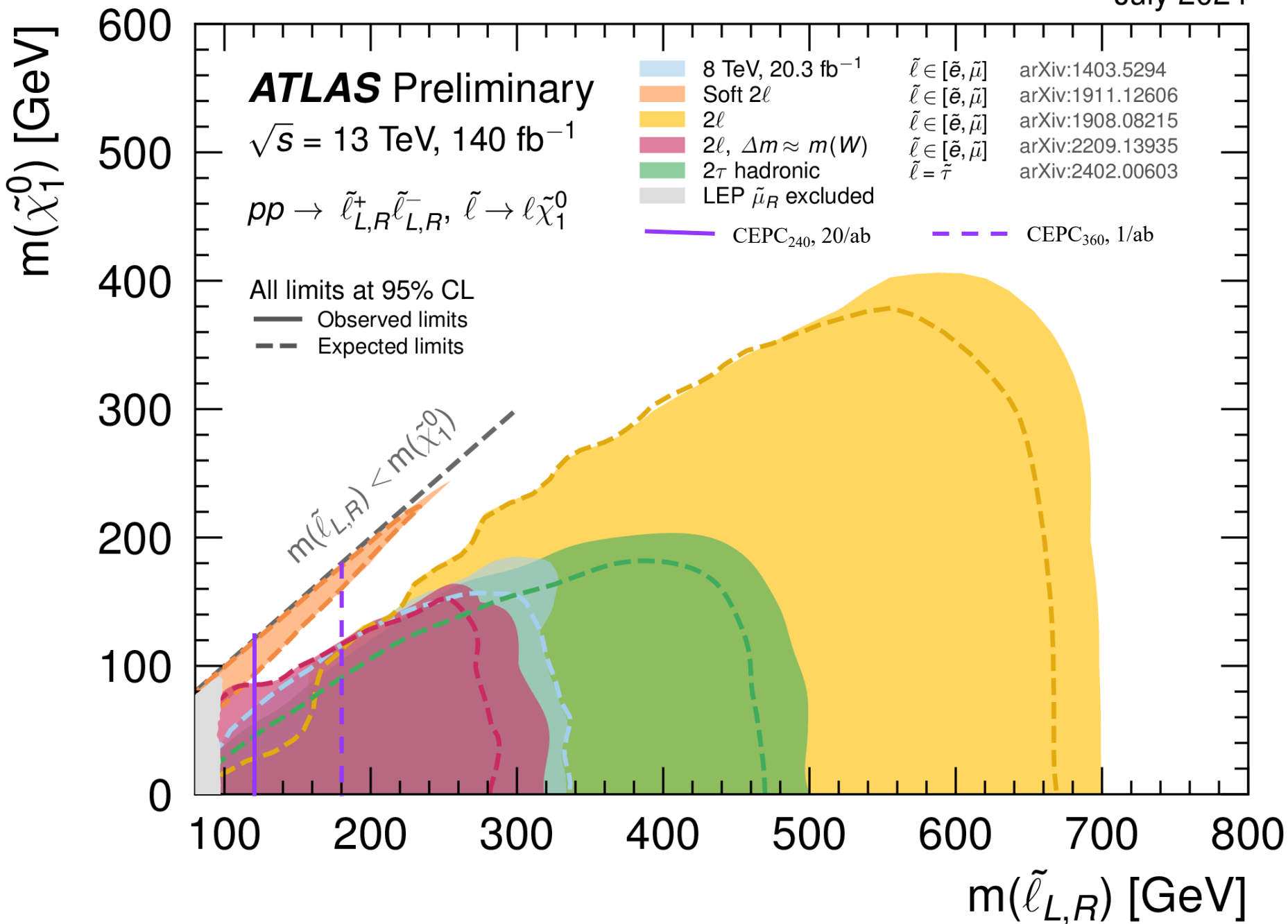


X-axis using log scale, to be improved.

# Higgsino-like EWK processes







Among all the searches discussed in this chapter, it is observed that the discovery potential is primarily constrained by the detector kinematics for s-channel SUSY production. However, when a supersymmetric particle can be produced via the t-channel or when an off-shell supersymmetric particle is produced via the s-channel, it is possible to break through the collision energy limits and probe heavier supersymmetric particles. Furthermore, for most of the studies presented below, the results are based on a center-of-mass energy of 240 GeV. A dedicated search for light smuons and staus extended this study to 360 GeV, reflecting an increase in sensitivity. A similar conclusion of enhanced sensitivity is expected for other searches when the center-of-mass energy reaches 360 GeV.