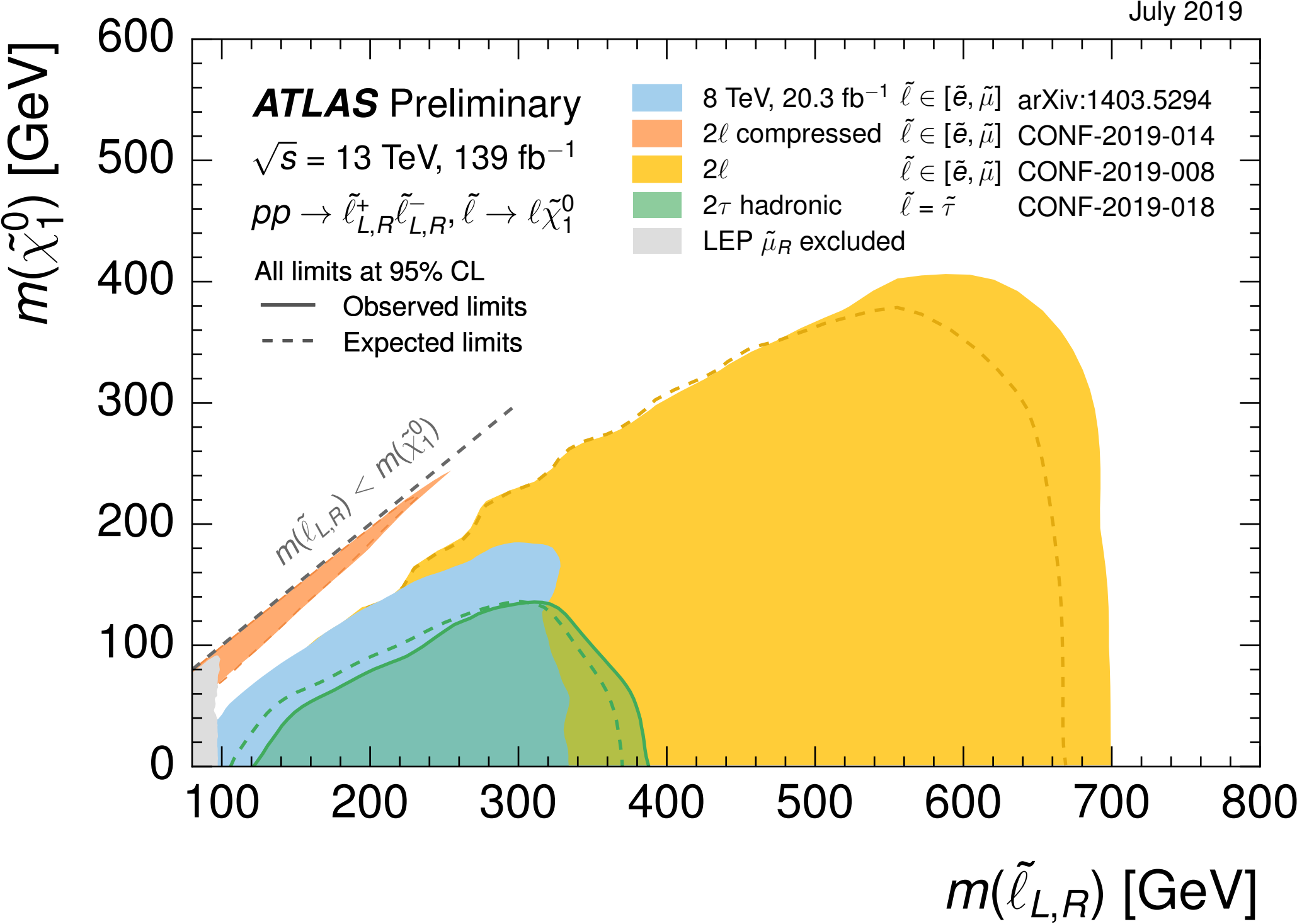
July 2019
ATLAS Preliminary
$\sqrt{s}$ = 13 TeV, 139 fb^{-1}
$pp \to \tilde{\ell}^{+}_{L,R}\tilde{\ell}^{-}_{L,R}, \tilde{\ell} \to \ell\tilde{\chi}^{0}_{1}$
All limits at 95% CL
Observed limits
Expected limits
8 TeV, 20.3 fb^{-1} $\tilde{\ell} \in [\tilde{e}, \tilde{\mu}]$ arXiv:1403.5294
2ℓ compressed $\tilde{\ell} \in [\tilde{e}, \tilde{\mu}]$ CONF-2019-014
2ℓ $\tilde{\ell} \in [\tilde{e}, \tilde{\mu}]$ CONF-2019-008
2τ hadronic $\tilde{\ell} = \tilde{\tau}$ CONF-2019-018
LEP $\tilde{\mu}_R$ excluded
$m(\tilde{\ell}_{L,R}) < m(\tilde{\chi}^{0}_{1})$
$m(\tilde{\chi}^{0}_{1})$ [GeV]
$m(\tilde{\ell}_{L,R})$ [GeV]
0
100
200
300
400
500
600
700
800