

ATLAS Collaboration(Aaboud, M. et al), Alvarez Piqueras, D., Aparisi Pozo, J. A., Bailey, A. J., Barranco Navarro, L., Cabrera Urban, S., et al. (2018). Search for charged Higgs bosons decaying via  $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$  in the tau plus jets and tau plus lepton final states with 36 fb<sup>-1</sup> of pp collision data recorded at  $\sqrt{s}=13$  TeV with the ATLAS experiment. *J. High Energy Phys.*, 09(9), 139–48pp.