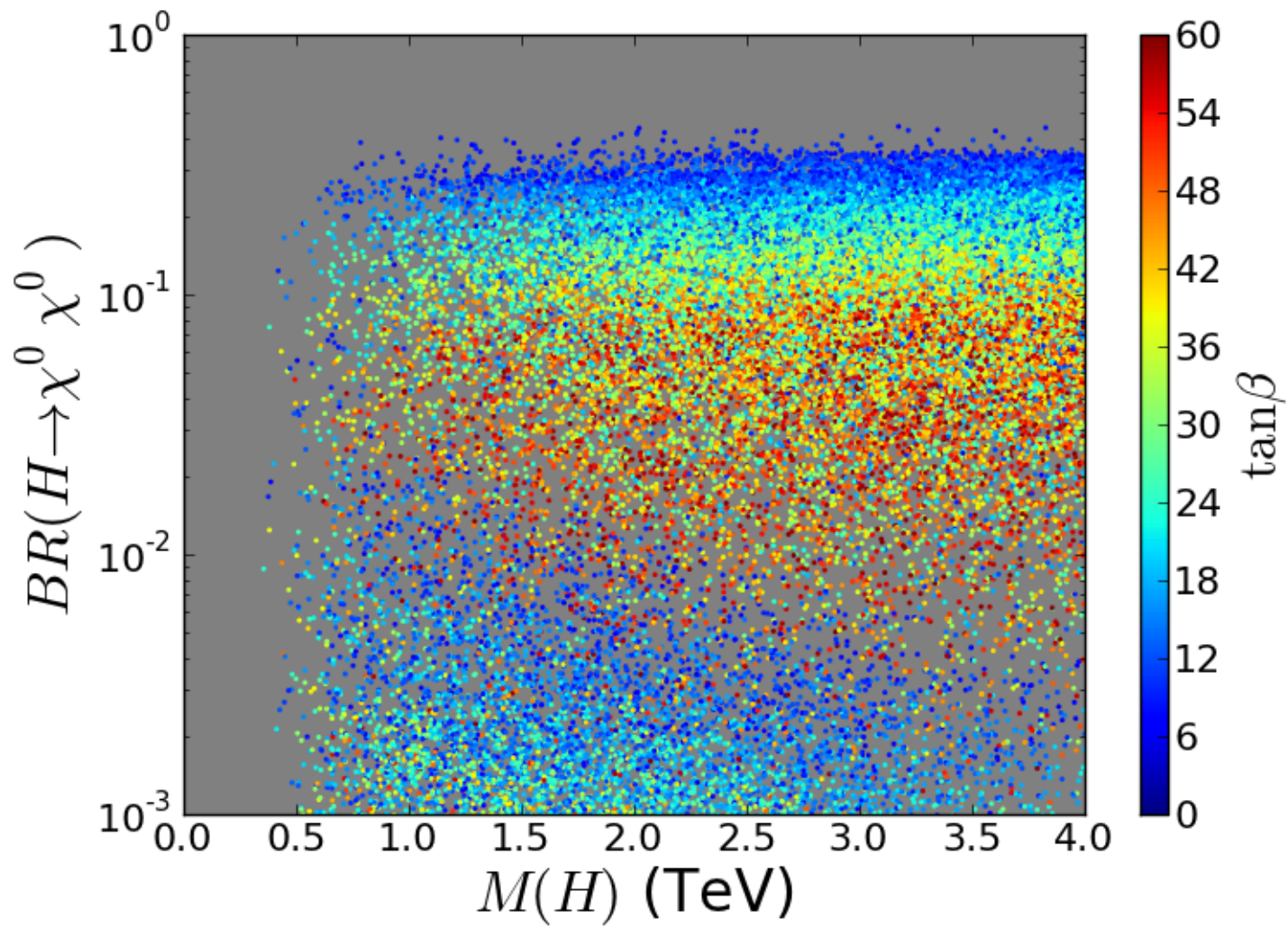
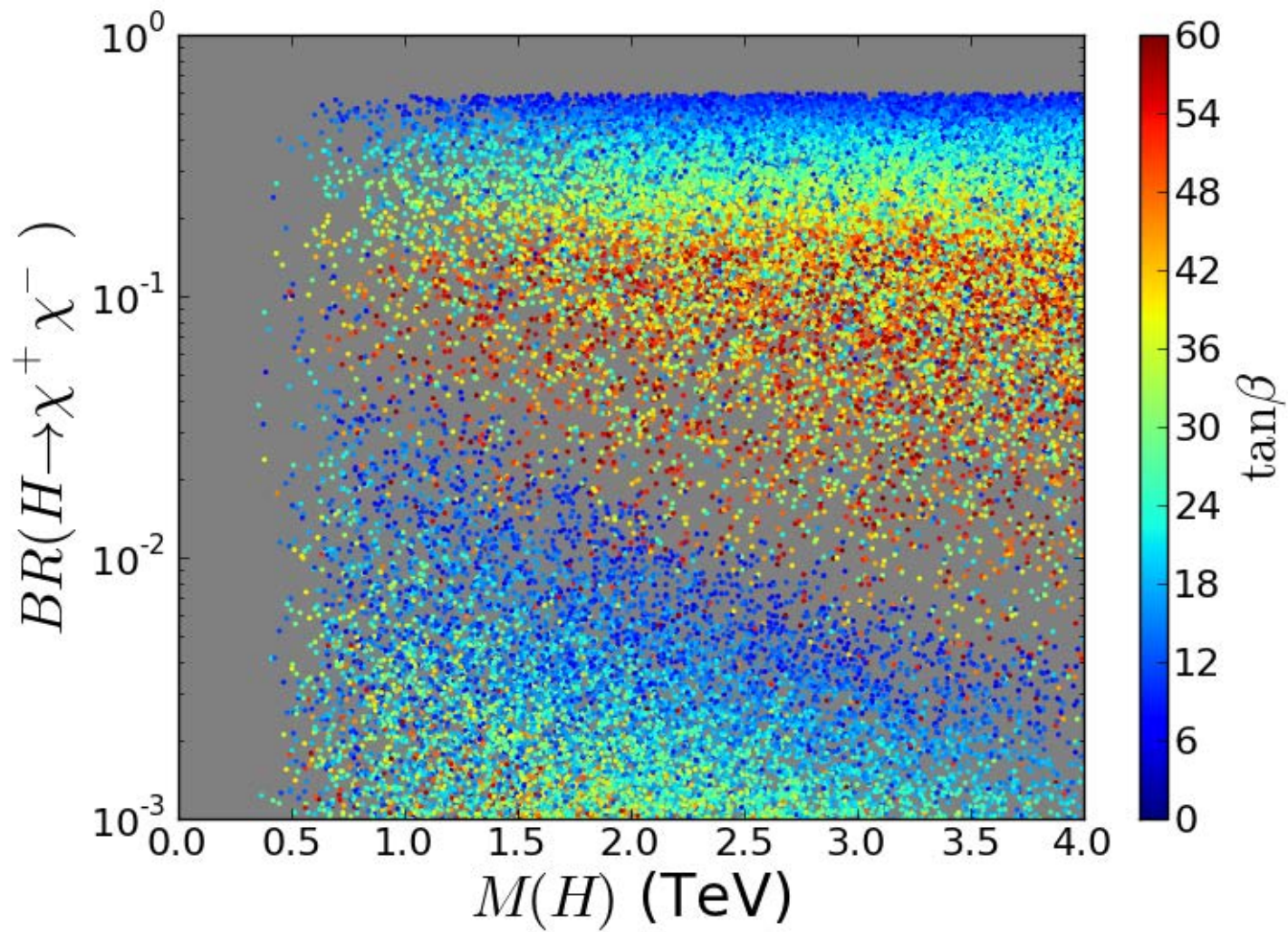


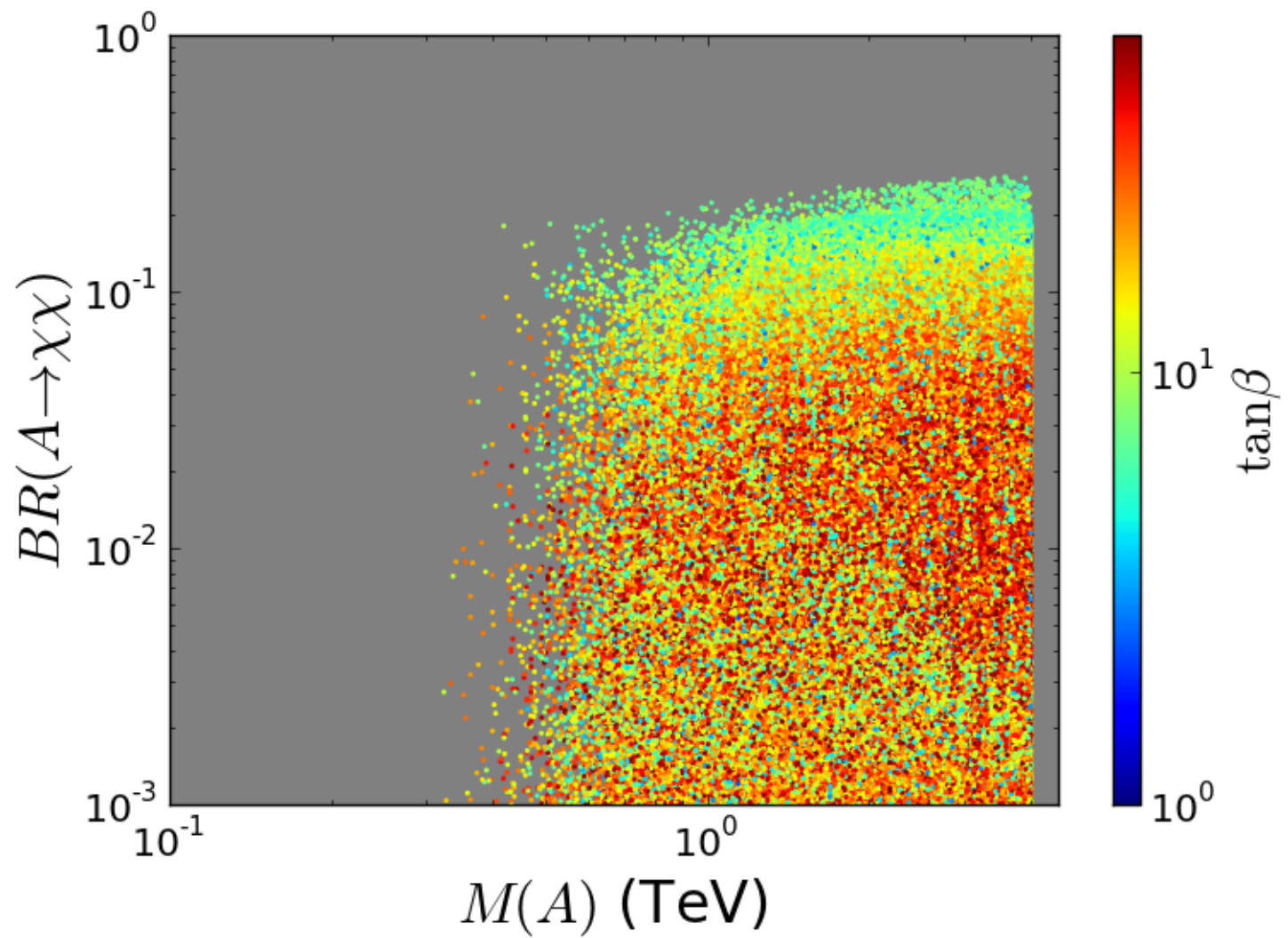
$A/H \rightarrow \chi\chi$ in the pMSSM

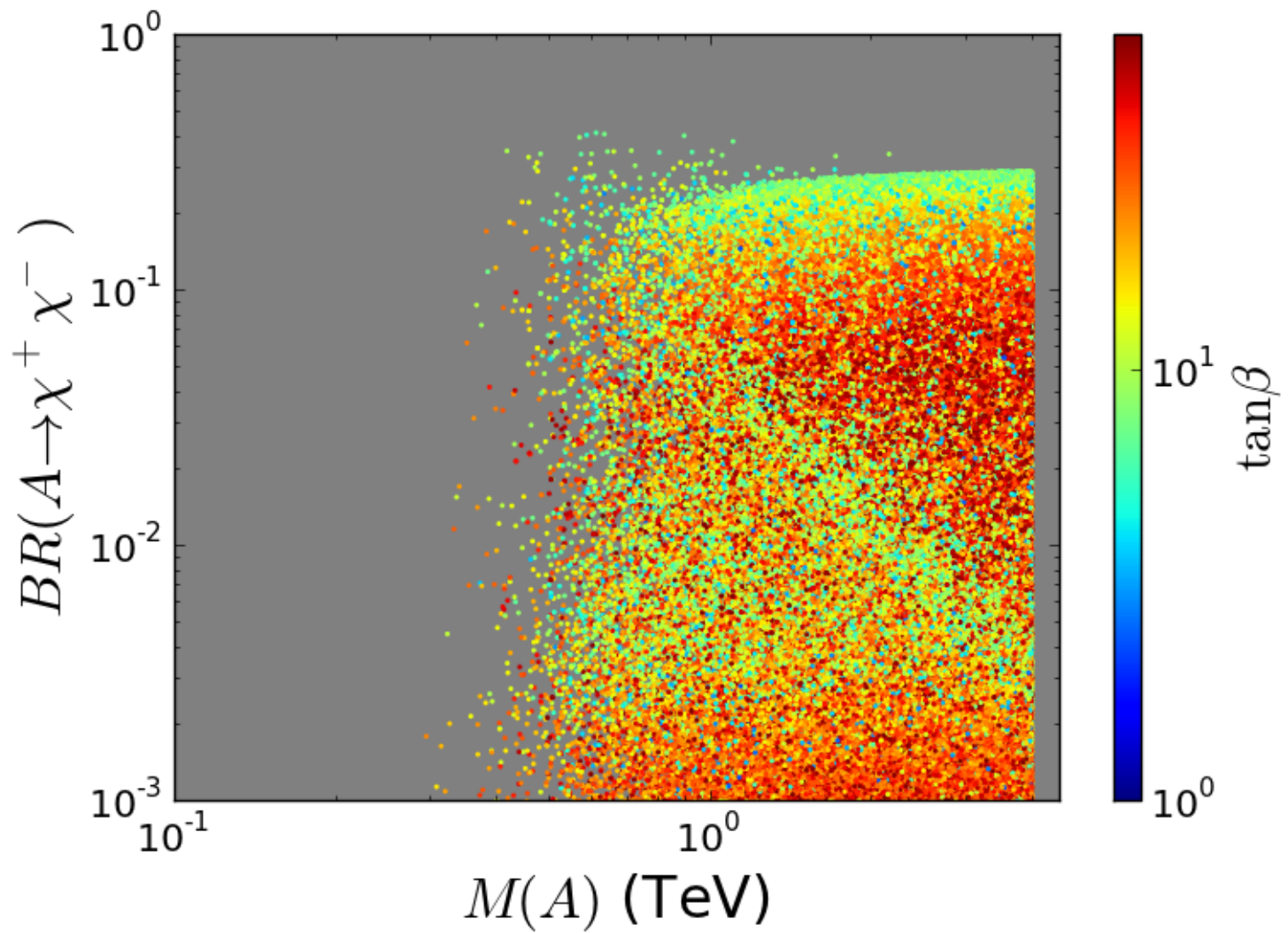
M.Cahill-Rowley, J. Hewett, A. Ismail & T. Rizzo
1407.4130 & in progress

- Use the 19-parameter pMSSM to examine possible size of the $A/H \rightarrow \chi\chi$ BFs for neutralinos & charginos
- Take models surviving direct ATLAS searches as well as dark matter, flavor & Higgs constraints
- $\sim 45\text{k}$ model points with $M_A \leq 4 \text{ TeV}$
- First pass- make simple BF plots



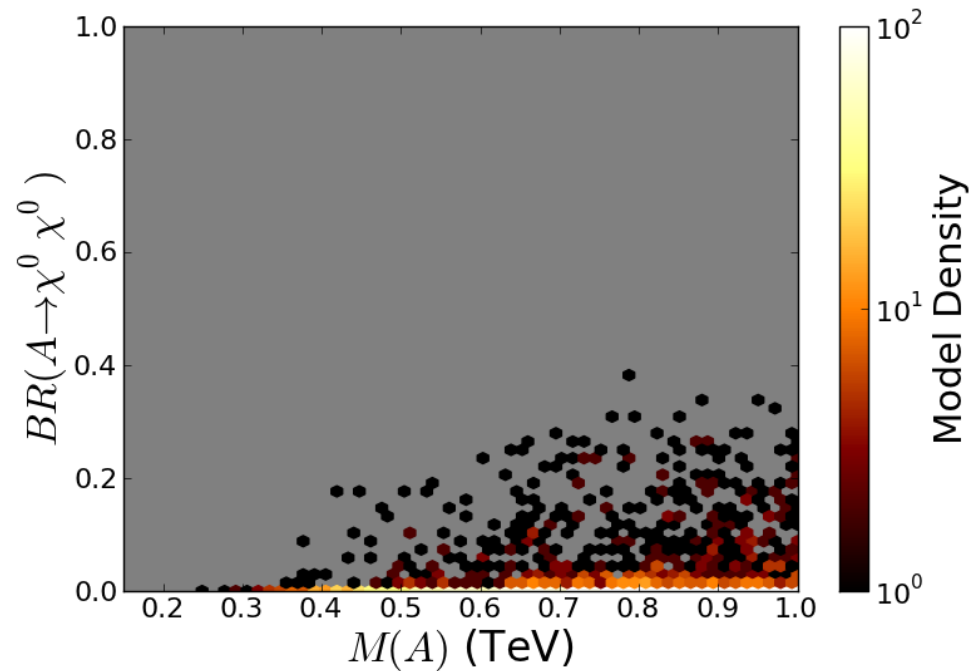
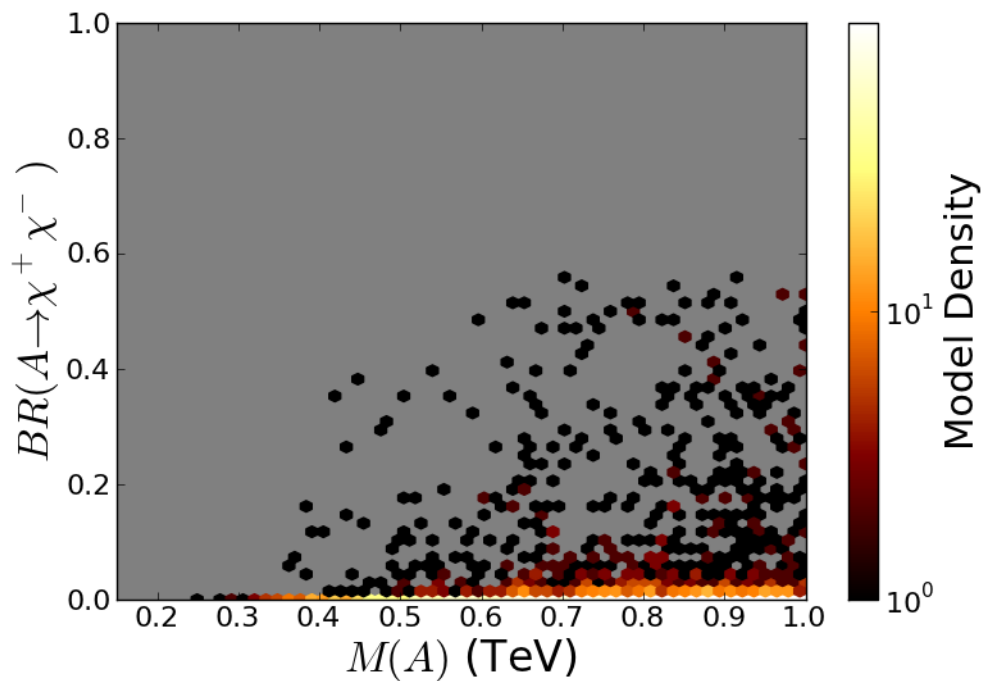


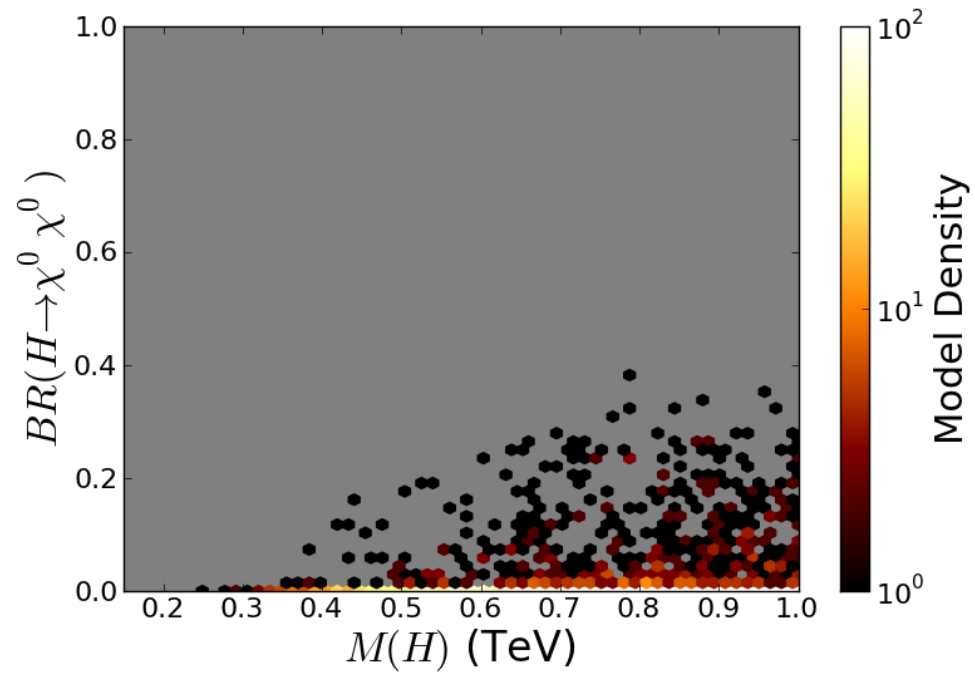
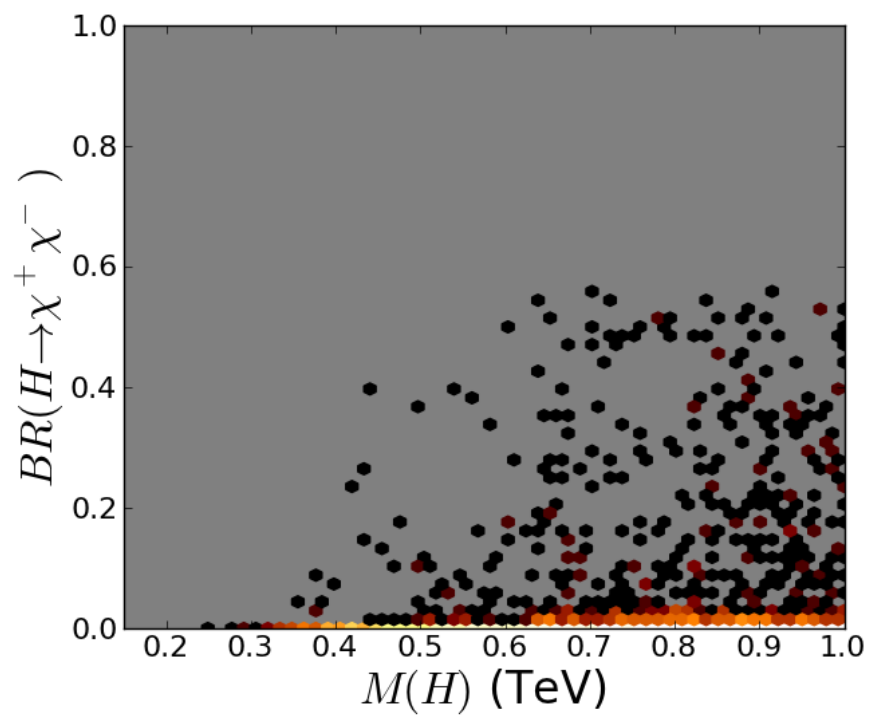


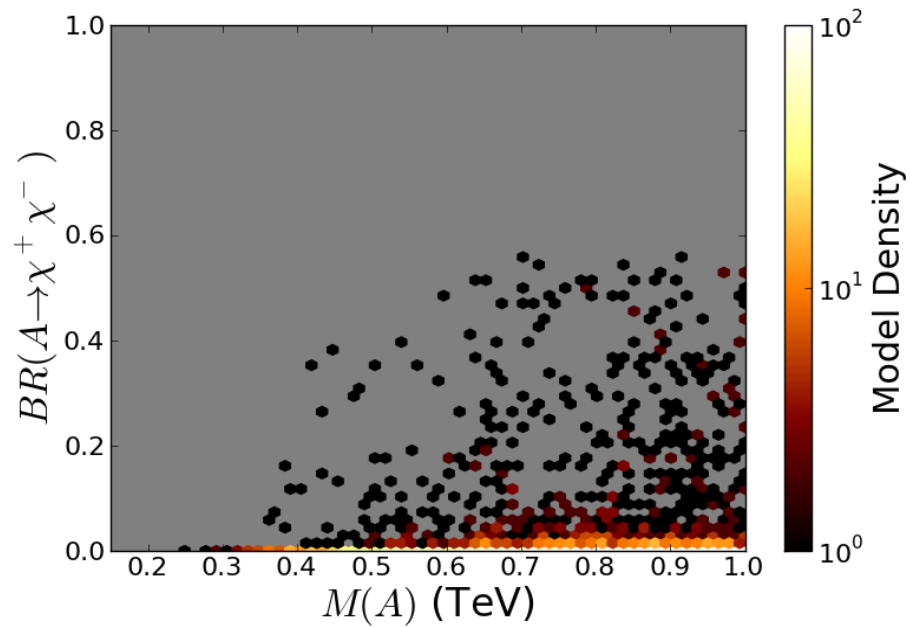
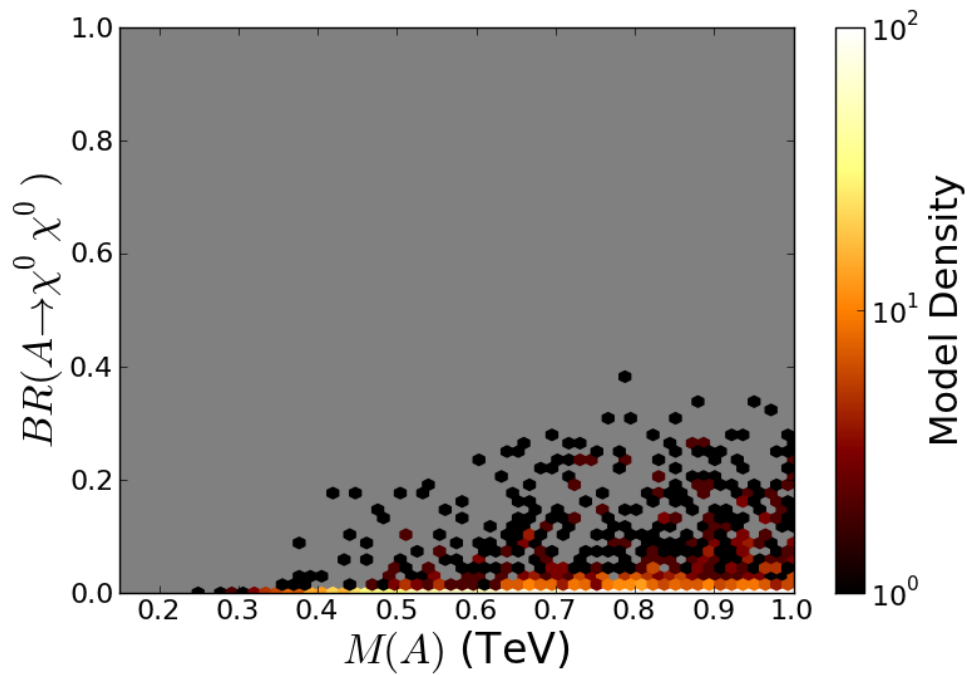


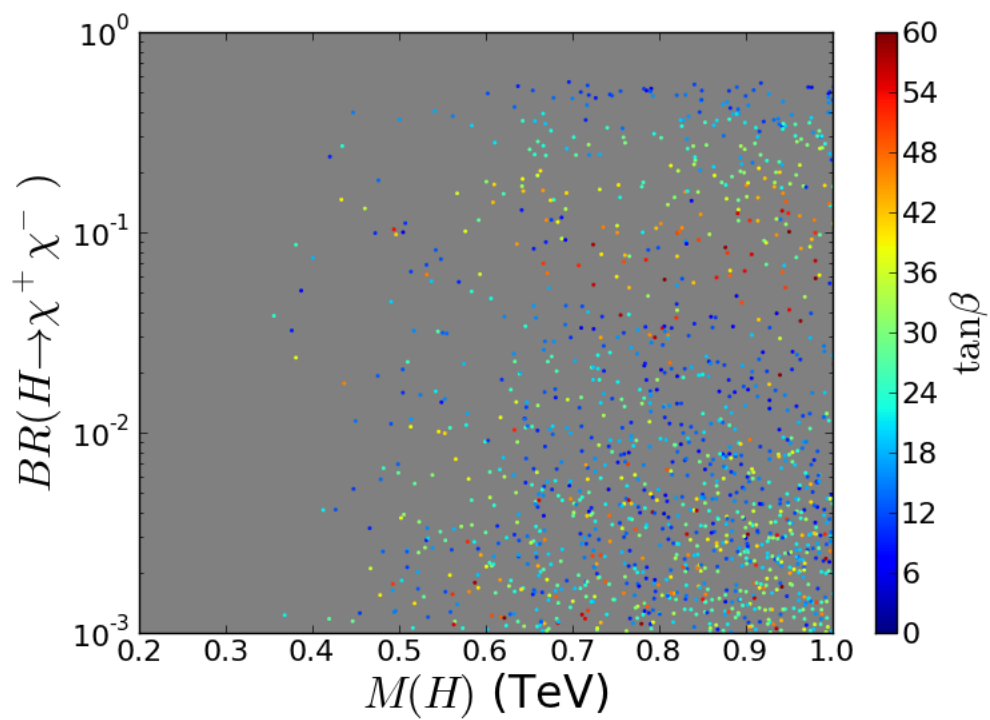
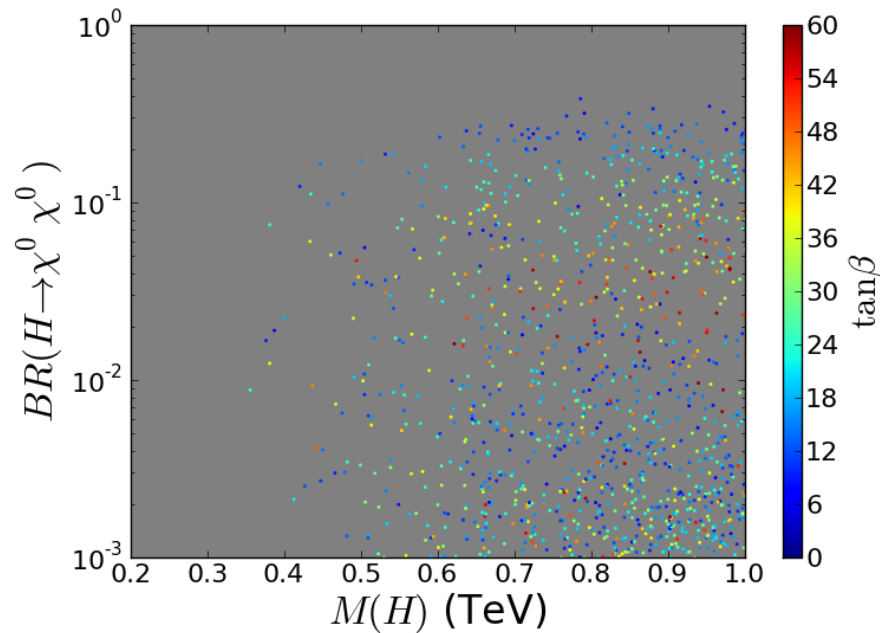
For cross section reasons
restrict attention to A/H
below 1 TeV

Model Density Plots









- **Model points remain exist where BFs can ne very large & even the dominant decay modes**
- **tt and bb modes will dominate at large & small $\tan \beta$ so intermediate values are best bet**