Proposal

Define set of reference topologies. Start with reference topologies common to ATLAS and CMS studies.

The few month goal is to see reference topology sensitivity in the public domain for further analysis and to take next steps.

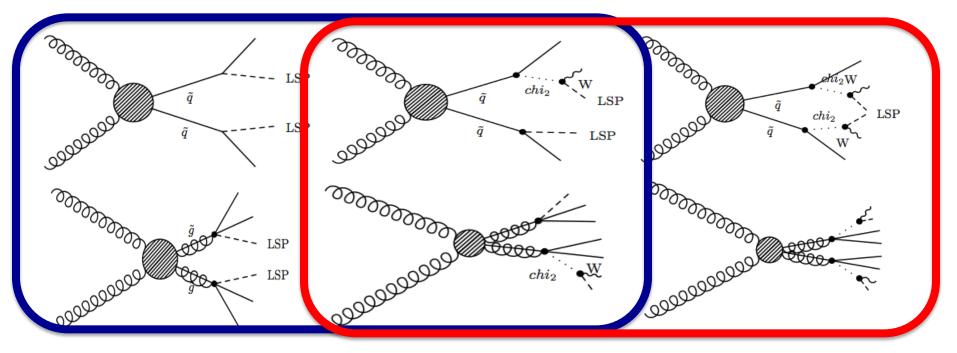
(e.g. include in broader fitting effort)

Reference Topologies for X+MET Searches

Topologies taken from those common to ATLAS & CMS talks at this workshop

Plots taken from workshop talks

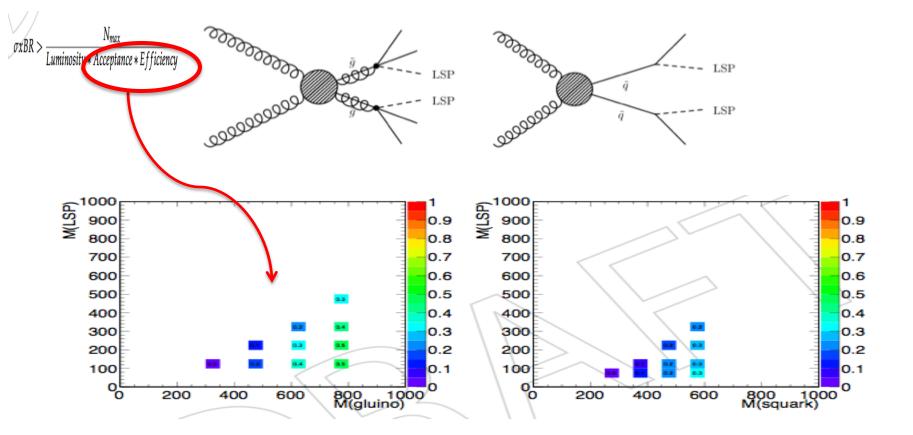
Jets+ MET +0/1 lepton simplified models



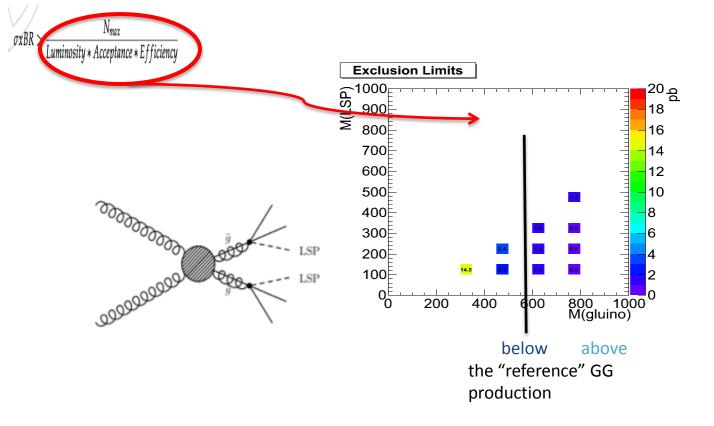
Starting point for the fully hadronic and 1-lepton searches

Modified from talk by M.D'Alfonso

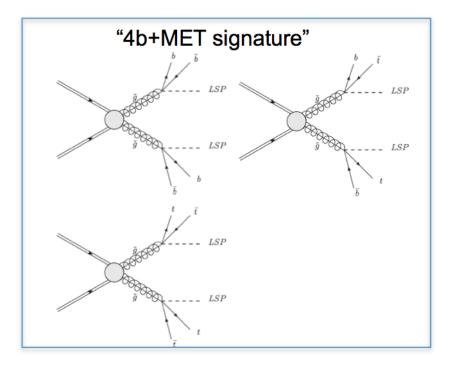
Acceptance x Efficiency

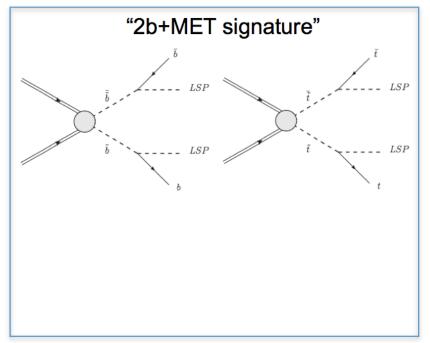


Max cross-section plot

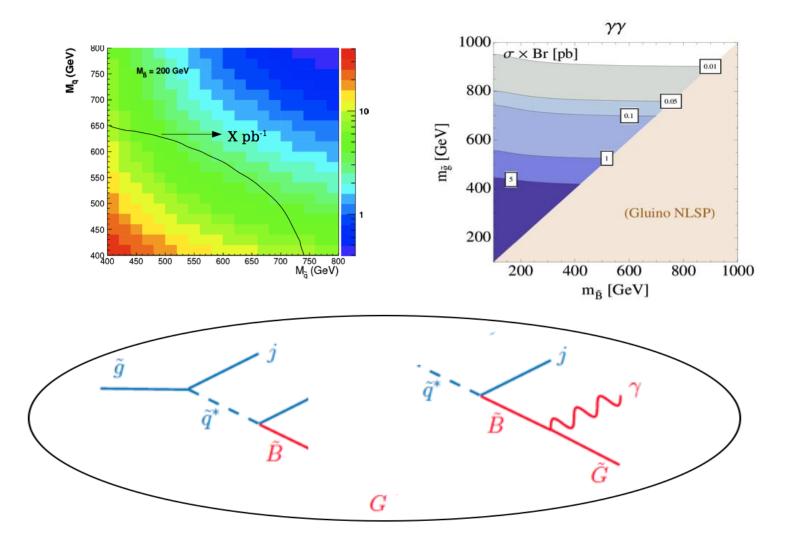


Heavy-Flavor



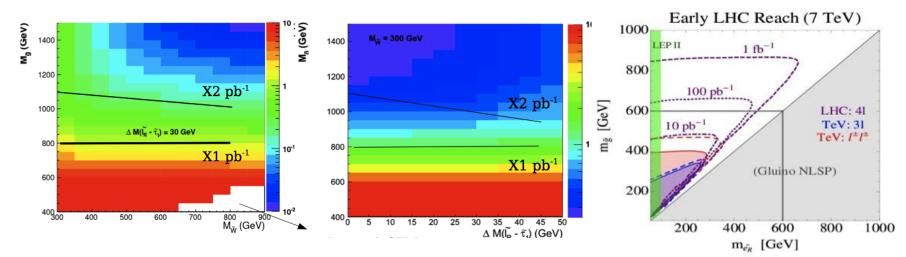


Di-Photon

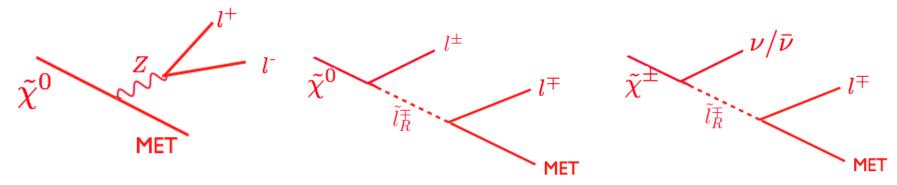


Already being considered in ATLAS and CMS: good starting point

2 or more leptons



Production as in earlier examples



[possibly also decays to stau NLSPs]

(includes cases MET=neutralino or gravitino)