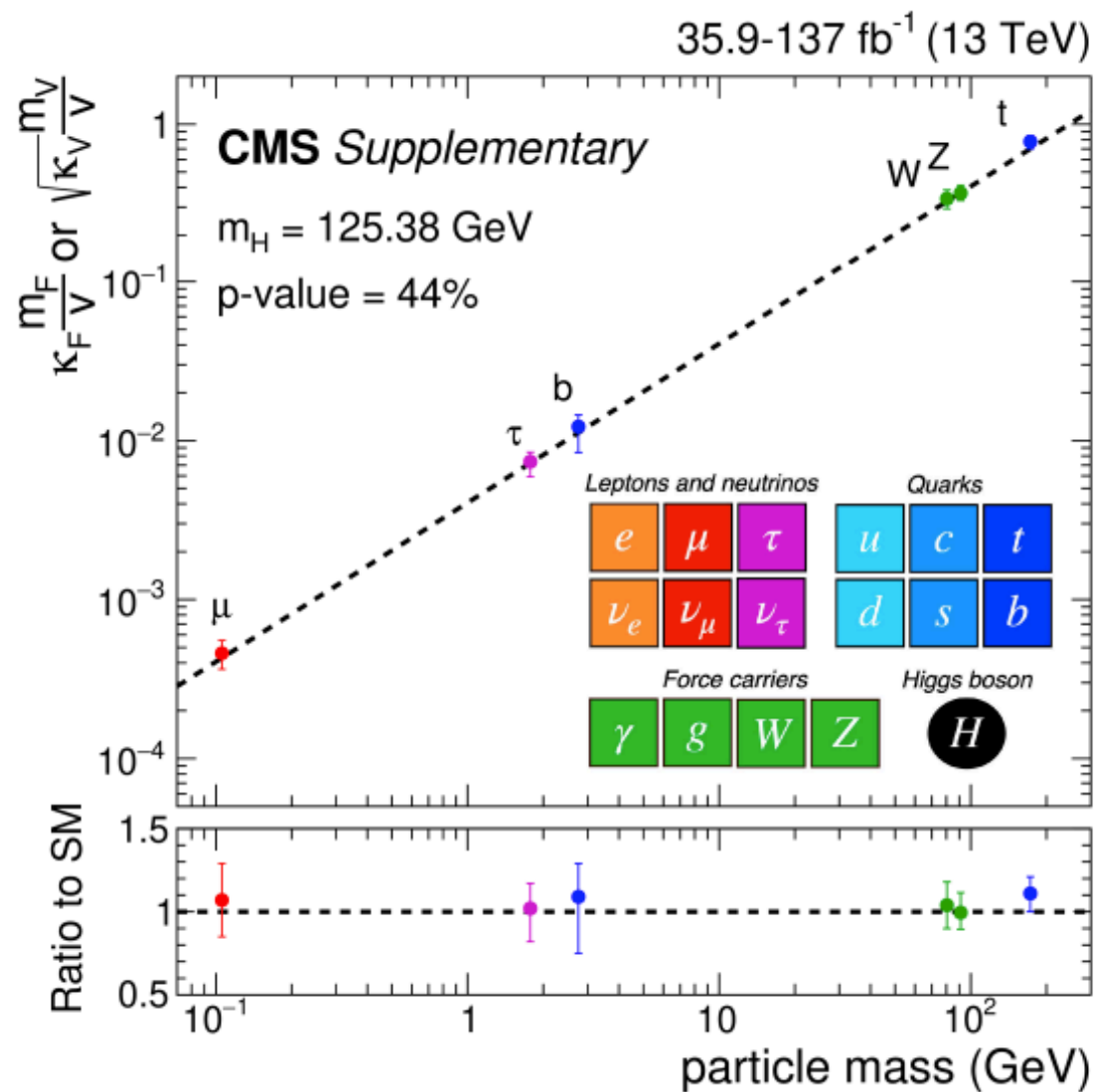


Snowmass EF02 White Paper: Higgs Coupling Sensitivities to New Physics Scales (2203.09512)

Fayez Abu-Ajamieh, **Spencer Chang**, Miranda Chen, Da Liu,
Markus A. Luty

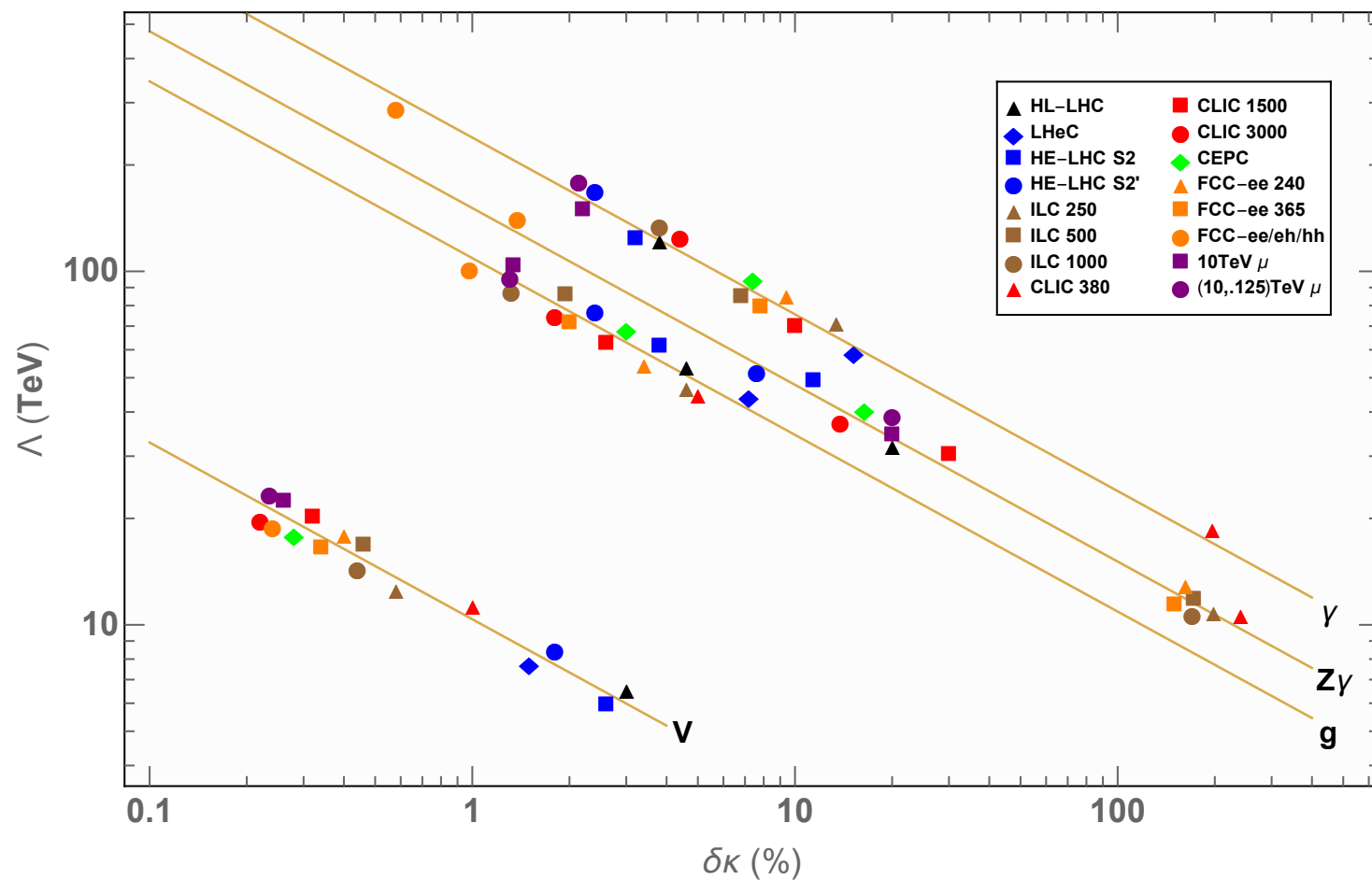
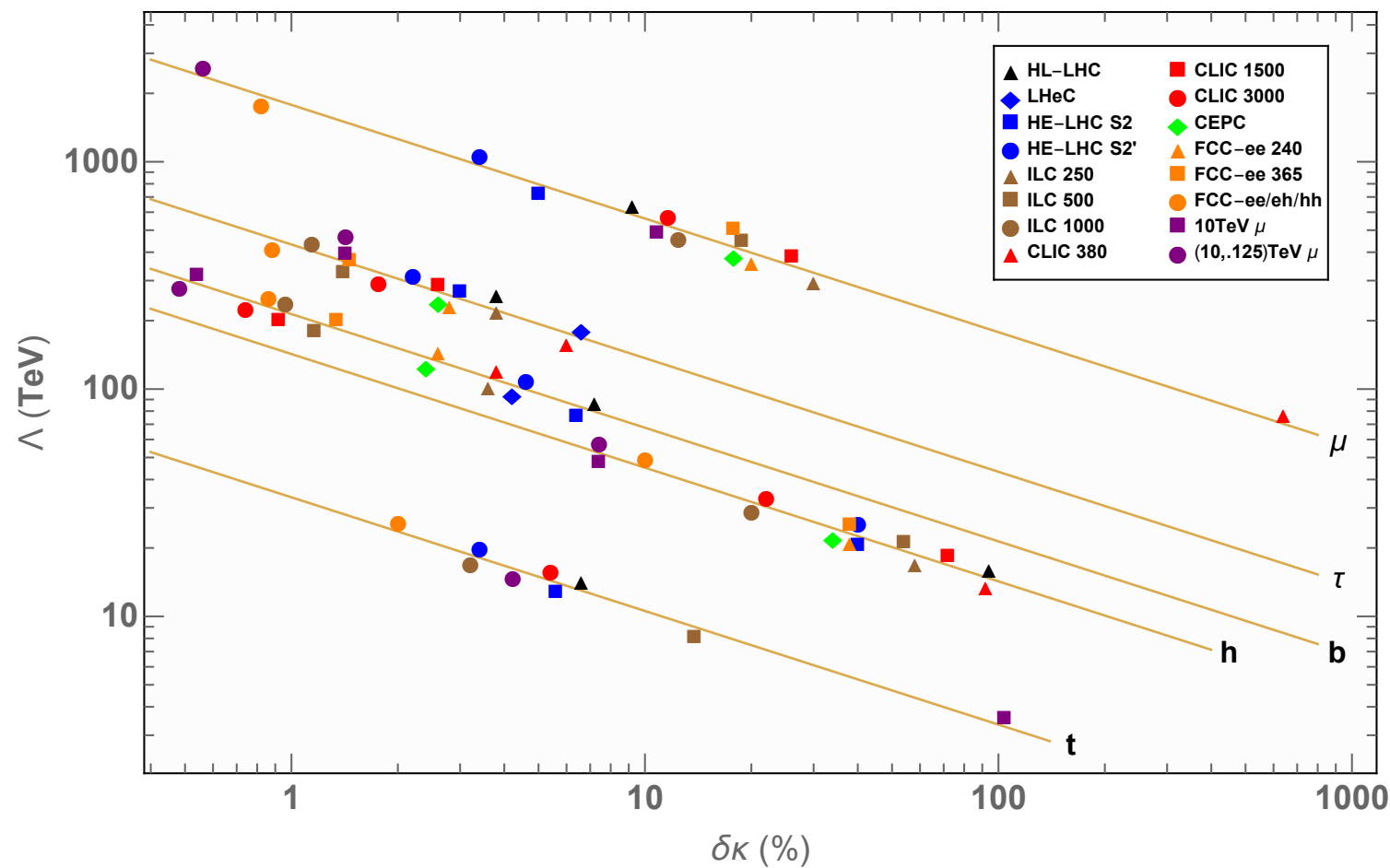


Higgs couplings largely
consistent w/ Standard Model

Future improvements can find
signs of new physics, but
at what scale?

Unitarity violation can
provide this connection...

Numbers from
European Strategy
Report, Z. Liu,
P. Meade



Assumes a
95%CL bound

$$\delta\kappa$$

In this regime,
unitarity violation
scale goes as

$$\Lambda \sim \frac{1}{\sqrt{\delta\kappa}}$$