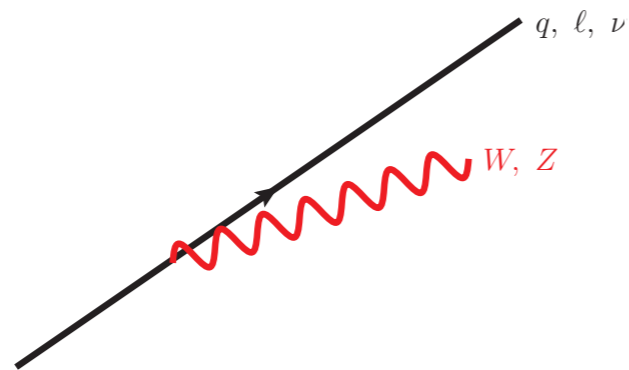


Time to start thinking about it seriously is now.

Opportunities of building radically new detectors, doing completely different analysis. cf. LHC vs SppS...

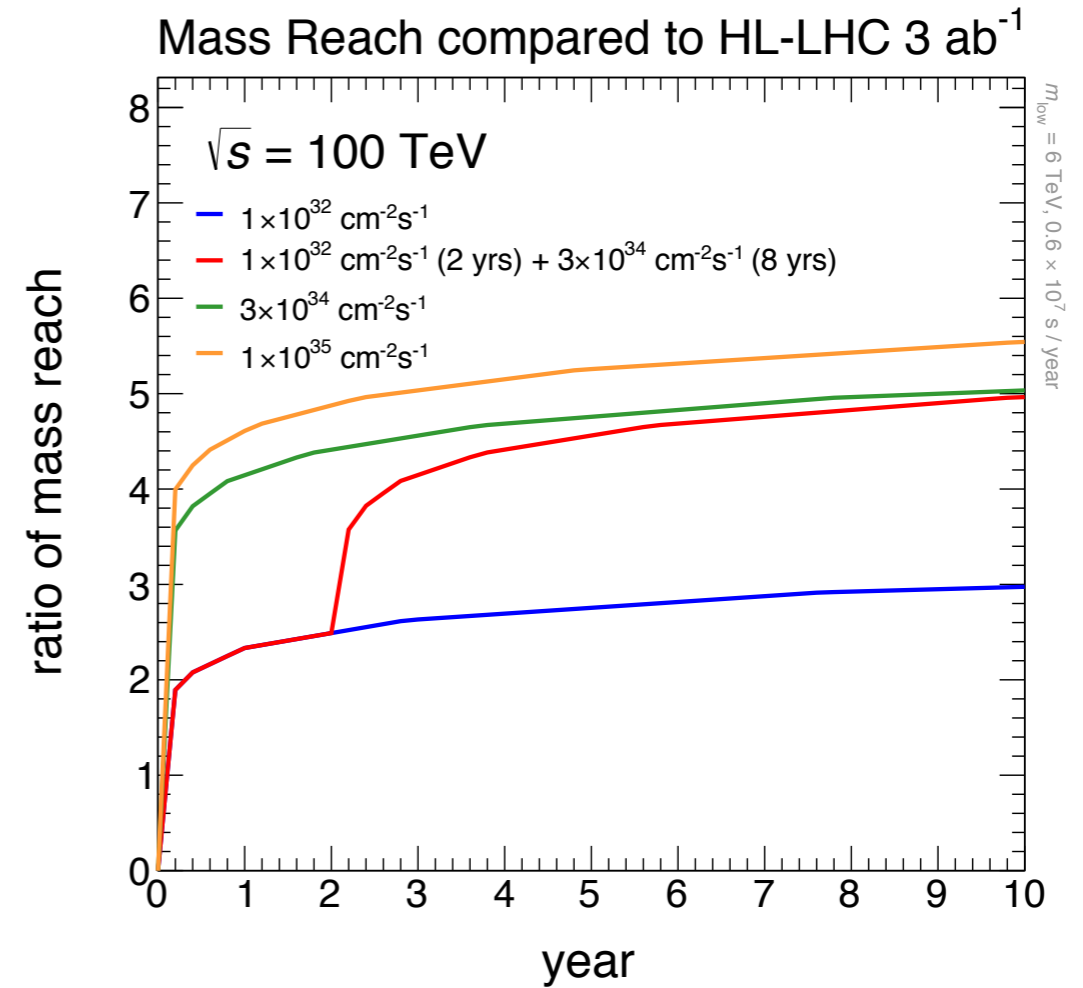
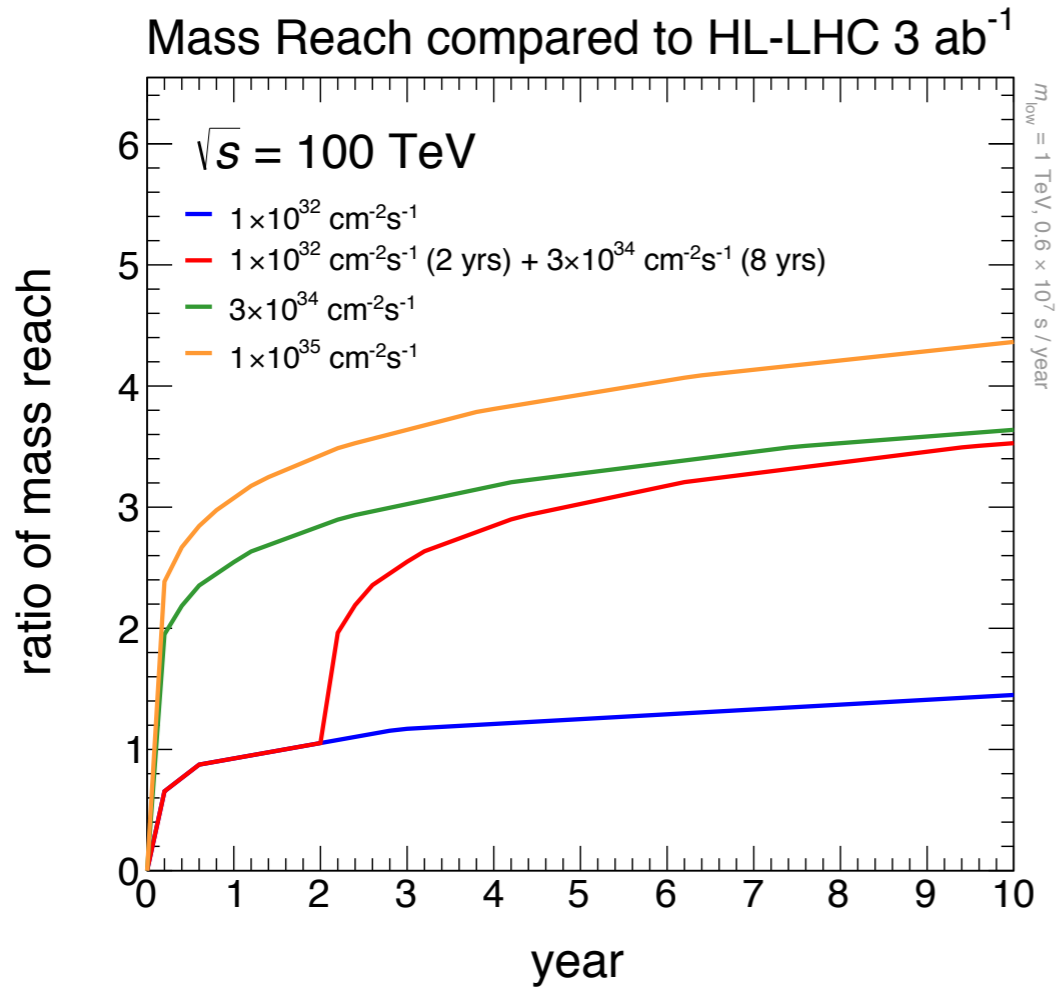
- Primary goal: testing physics responsible for the weak scale.
 - ▶ New physics couples strongly to $W/Z/h/t$.
 - ▶ Probing NP into 10s TeV, highly boosted...
- All weak scale particles become light.



Offers important handles to NP.
EW symmetry “restoration”, id. quark, neutrino...

- Top quark becomes light too.
 - ▶ Top at 100 TeV \approx bottom at Tevatron.

Environment at 100 TeV



reach of qqbar resonance for
different luminosity scenarios

- Pileup perhaps similar to (or too much above) that the HL-LHC.