

WHERE IS THE NEW PHYSICS HIDING?





Heavy Ions and Hidden Sectors

Physics potential beyond Quark Gluon Plasma

- What advantages do HI collisions have?
- Test the SM in a different environment
- What new effects in the SM can be tested?
- What new physics models can be tested?



Heavy Ions and Hidden Sectors

Parasitic mode: Utilise the existing program!

- Which Signatures?
- What triggers and cuts?
- Extra instrumentation?

Future runs: NP as a physics case for HI collisions?

- Choice of isotope?
- Maximal/optimal luminosity?
- Bunch parameters?

The far future...

- Design of future colliders/detectors?