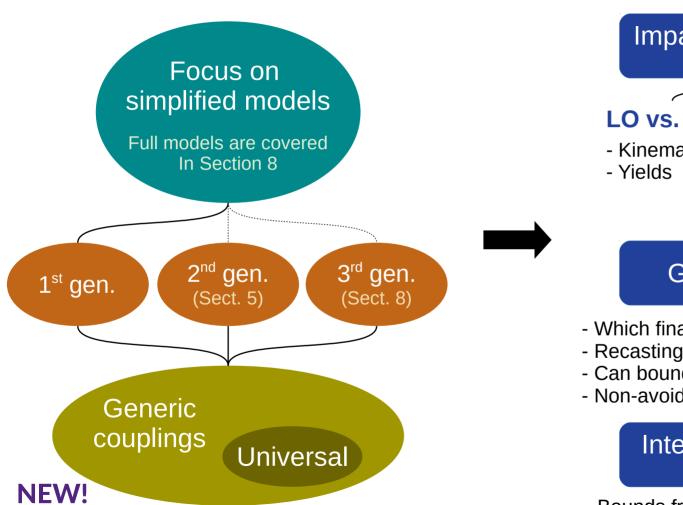
Section 4: t-channel dark matter signals at hadron colliders



Impact of signal modelling (Sect. 2)

LO vs. NLO

- Kinematics

Role of different channels (XX, XY, YY, YY*, Y*Y*)

- PDF enhancement
- interference

Going to experiment

- Which final states (new SRs?)
- Recasting experimental searches
- Can bounds be improved? (Run 3, HL-LHC, ...)
- Non-avoidable bound: YY-OCD (YY-y leptophilic?)

Interplay with cosmology (Sect. 3)

Bounds from relic, DD, ID...