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Flavored Dark Matter

- Different avenues of connections:
  - MFV, DMFV (→ DM stability)
  - Flavorful Z′ (anomaly cancellation, Z′ portal with VL fermions, ...)
  - Relations with flavor puzzle → Axiflavon?
  - ...

  ... not necessarily addressing flavor anomalies

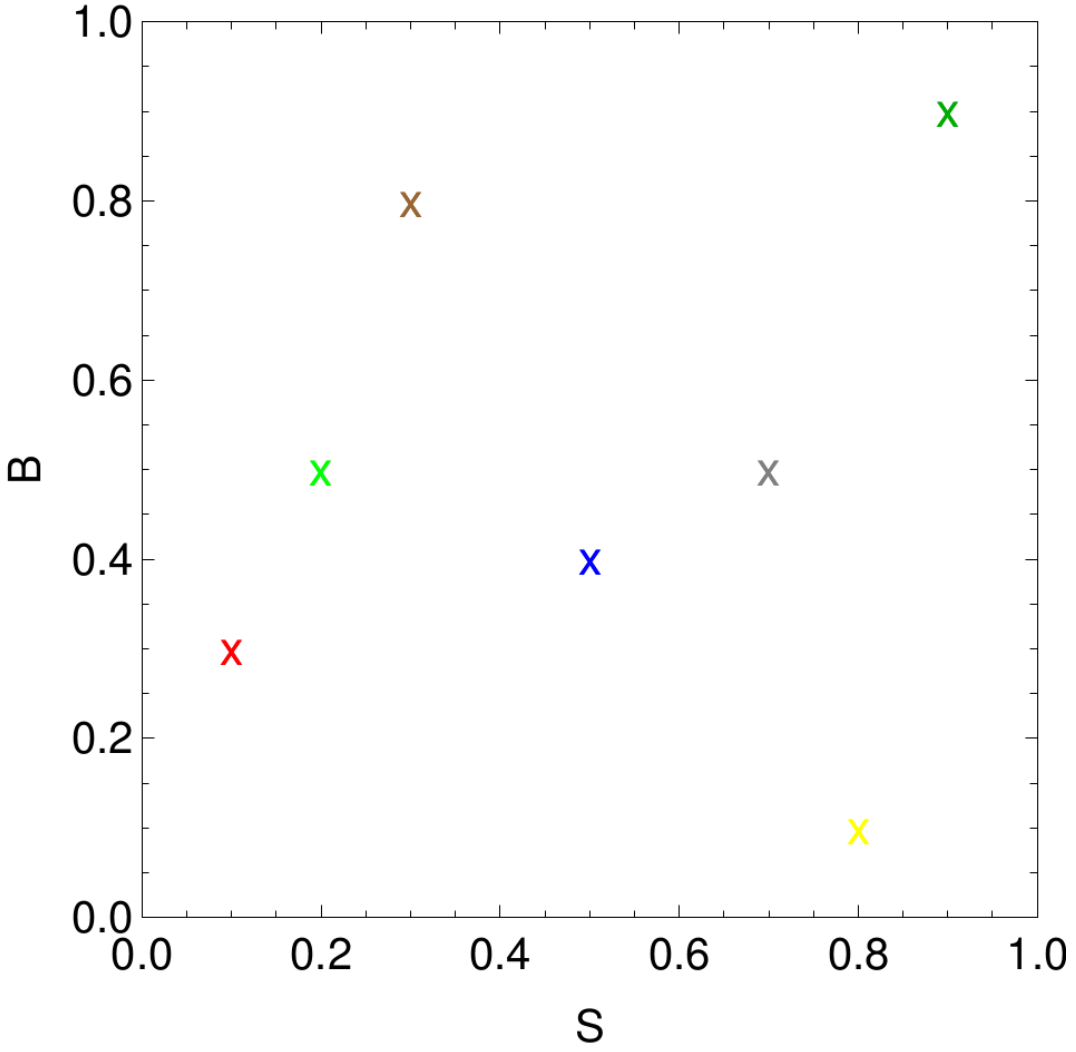
- Ways of addressing B -physics anomalies:

  'Phenomenological' models vs. 'UV driven' approaches

Relations with *B* anomalies

- If by DM@LHC '19 B-physics anomalies were confirmed, how would this influence our DM searches?
  - Would the WIMP paradigm be as motivated as before?
  - WISPy avenue?

Flavored Dark Matter: Model Space



- S(trength): connection with flavor strong / motivated?
- B(eauty): addressing other problems, economical,… ?

Following Adam Falkowskis BS plot
@Neutral Naturalness (CERN)

Axions, ALPs and Dark Photons

- Large parameter space will be covered in the near future
- In case of a discovery, what could be the implications for WIMP searches?