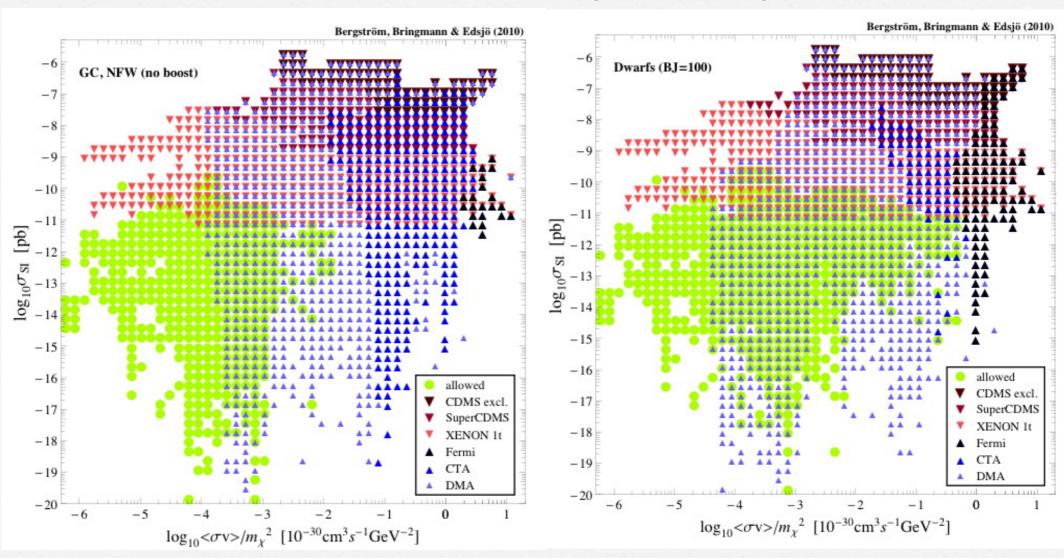
Signal vs Background

- U What do we need to believe a signal?
- O Coincidence of more experiments?
- Different types of experiments?
- D But sometime DD/ID complementary...

E.g. SUSY models

ID and DD probe different part of the parameter space!

[Bergström, Bringmann & Edsjö-2010]

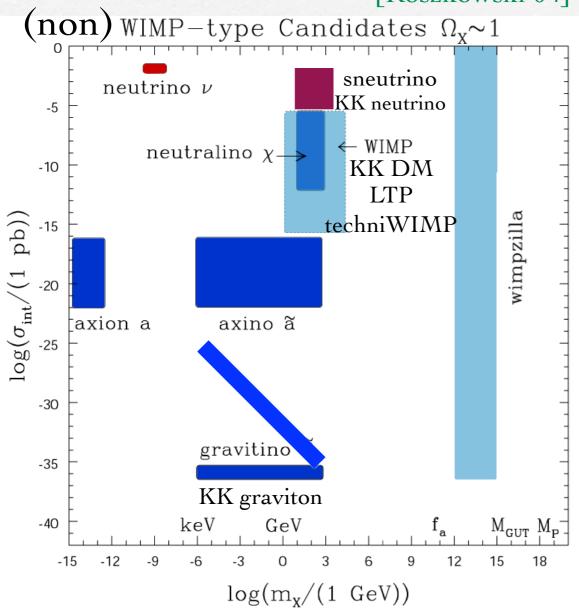


DM identity

- □ Mass ???
- □ Self-couplings (apart for gravity)?
- O couplings to matter (apart for gravity)?
- Deproduction: WIMP, SuperWIMP, Asymmetric, thermal, non-thermal
- 口 ...

Huge parameter space

[Roszkowski 04]



- impossible to cover all with same experiment!
- we are probing the plane from above, but not clear how far we can or will have to go...