

White paper

Option 1: Statistics conventions

- Test statistic for confidence intervals
- Test statistic for discovery
- Imposing over-coverage (CLs, power-constrained, constraining fits, none of the above)
- How to include external nuisance parameters (marginalisation, profiling, which ones, what likelihood function, nominal values?)

Not included

- Added information and analysis choices that affect sensitivity (e.g. added parameters in the likelihood function), novel ways to deal with backgrounds or modeling.

Option 2: Lewin-Smith Redux

- Updated DM density and DM velocity distributions
- Updated nuclear form factor corrections
- Updated detector response corrections
- All of above mentioned updated statistics conventions

Q: do these updates affect the results sufficiently?