

# modeling

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# Overview

- `utils.modelling` contains `Parameter` and `ParameterList`
- Generic iminuit backend in `utils.fitting`
- Used in 1D and 3D analysis
- New 3D functionality: [notebook](#)
  - New features: XML reading, `PSFKernel`
- Getting 3D fitting to work is one of the main priorities this week (my top priority)

# TODOs

- Major issues
  - Debug/test PSF convolution
  - Add background
- Minor points
  - Work on XML I/O (only 2 models coded at the moment, self-contained - [#1402](#))
  - Rewrite interface of spectral models (will require some effort to integrate this - [#1398](#))
  - Add generic sherpa interface (the one for the 1D fitter is hardcoded)