## NAME

detector2nexus – create NeXus detector definition

## DESCRIPTION

usage: detector2nexus [options] [options] **−o** nxs.h5

Convert a complex detector definition (multiple modules, possibly in 3D) into a single NeXus detector definition together with the mask (and much more in the future)

### optional arguments:

**−h**, **−−help**
> show this help message and exit

**−V**, **−−version**
> show program's version number and exit

**−o** OUTPUT, **−−output** OUTPUT
> Output nexus file, unless detector_name.h5

**−n** NAME, **−−name** NAME
> name of the detector

**−m** MASK, **−−mask** MASK
> mask corresponding to the detector

**−D** DETECTOR, **−−detector** DETECTOR
> Base detector name (see documentation of pyFAI.detectors

**−s** SPLINEFILE, **−−splinefile** SPLINEFILE
> Geometric distortion file from FIT2D

**−dx** DX, **−−x−corr** DX
> Geometric correction for pilatus

**−dy** DY, **−−y−corr** DY
> Geometric correction for pilatus

**−p** PIXEL, **−−pixel** PIXEL
> pixel size (comma separated): x,y

**−S** SHAPE, **−−shape** SHAPE
> shape of the detector (comma separated): x,y

**−d** DARK, **−−dark** DARK
> Dark noise to be subtracted

**−f** FLAT, **−−flat** FLAT
> Flat field correction

**−v**, **−−verbose**
> switch to verbose/debug mode

This summarizes detector2nexus