

**NAME**

pyFAI-waxs – pyFAI-waxs

**SYNOPSIS****pyFAI-waxs** [*options*] -p *ponifile* *file1.edf* *file2.edf* ...**OPTIONS****--version**

show program's version number and exit

**-h, --help**

show this help message and exit

**-p** PONIFILE

PyFAI parameter file (.poni)

**-n** NPT

Number of points in radial dimension

**-w** WAVELENGTH, **--wavelength**=WAVELENGTH

wavelength of the X-Ray beam in Angstrom

**-e** ENERGY, **--energy**=ENERGY

energy of the X-Ray beam in keV (hc=12.398419292keV.A)

**-u** DUMMY, **--dummy**=DUMMY

dummy value for dead pixels

**-U** DELTA\_DUMMY, **--delta\_dummy**=DELTA\_DUMMY

delta dummy value

**-m** MASK, **--mask**=MASK

name of the file containing the mask image

**-d** DARK, **--dark**=DARK

name of the file containing the dark current

**-f** FLAT, **--flat**=FLAT

name of the file containing the flat field

**-P** POLARIZATION\_FACTOR, **--polarization**=POLARIZATION\_FACTORPolarization factor, from -1 (vertical) to +1 (horizontal),  
rejection, synchrotrons are around 0.95

default is None for no cor-

**--error-model**=ERROR\_MODEL

Error model to use. Currently on 'poisson' is implemented

**--unit**=UNITunit for the radial dimension: can be q\_nm<sup>-1</sup>, q\_A<sup>-1</sup>, 2th\_deg,

2th\_rad or r\_mm

**--ext**=EXT

extension of the regrouped filename (.xy)