**Chandra X-ray Center**

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*AHELP for CIAO 3.4*  **get_analysis**  Context: sherpa

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# Synopsis

Module function to retrieve the current analysis setting.

# Syntax

```
String_Type get_analysis([Integer_Type])

Error Return Value: NULL

Arguments:

(1) data set number (default 1)
```

# Description

The get_analysis() function retrieves a string indicating the analysis setting for the specified dataset. The possible return values are "bin" (equivalent to ANALYSIS CHANNELS), "keV" (equivalent to ANALYSIS ENERGY), "Ang" (equivalent to ANALYSIS WAVE), "eV", "MeV", "nm", and "Hz".

# Example

```
sherpa> data example.pha
sherpa> instrument = rsp[a](example.rmf,example.arf)
sherpa> get_analysis()
keV
sherpa>
```

# Bugs

See the Sherpa bug pages online for an up−to−date listing of known bugs.

# See Also

*chandra*
    guide
*sherpa*
    get_arf_axes, get_axes, get_coord, get_data, get_energy_axes, get_errors, get_filter, get_filter_expr, get_fit, get_fluxed_spectrum, get_ftest, get_metadata, get_photon_axes, get_photon_energy_axes,

get_photon_wave_axes, get_qvalue, get_raw_axes, get_record, get_source, get_statistic, get_stats, get_syserrors, get_wave_axes, get_weights, record, save, write

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