



AHELP for CIAO 3.4

lineid

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Synopsis

Sets a user-defined line identification (or general model description) for the model in the MDL output.

Syntax

```
sherpa> <modelname> lineid "model description string"
where <modelname> is a name that has been given to a model component by
the user.
```

Description

This command allows a user to associate an arbitrary string with a particular Sherpa model. This association can then be stored (and retrieved) when the session is stored as an MDL file, or it can be retrieved using the `sherpa_update_mdl` or `sherpa_get_mdl` commands. The intended use is to allow the user to put line identifications (such as "Fe XVII 15.01 line") to Sherpa models, such as a gaussian or delta function. These identifications are then stored in the MDL file, or in the output of routines such as `mdl2latex`.

This command in no way changes the model parameters or how the model is fit, and the associated string is not displayed when the `SHOW` command is used. It only appears in the MDL file or the S-lang structure returned by `sherpa_update_mdl/sherpa_get_mdl`.

Example

Set a line id for a model component:

```
sherpa> ngauss[g1]
g1.fwhm parameter value [0.1]
g1.pos parameter value [22.10]
g1.ampl parameter value [1]
sherpa> g1 lineid "O VII Forbidden line"
```

Bugs

See the [Sherpa bug pages](#) online for an up-to-date listing of known bugs.

See Also

sherpa

[autoest](#), [background](#), [create](#), [create_model](#), [createparamset](#), [fit](#), [freeze](#), [get_defined_models](#),
[get_model_params](#), [get_models](#), [get_num_par](#), [get_par](#), [get_stackexpr](#), [getx](#), [gety](#), [guess](#), [instrument](#),
[integrate](#), [is_paramset](#), [jointmode](#), [kernel](#), [linkparam](#), [mdl](#), [modelexp](#), [modelstack](#), [nestedmodel](#), [noise](#),
[paramprompt](#), [paramset](#), [pileup](#), [rename](#), [run_fit](#), [set_par](#), [set_paramset](#), [set_stackexpr](#), [source](#), [thaw](#),
[truncate](#), [unlink](#)

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URL:
<http://cxc.harvard.edu/ciao3.4/lineid.html>
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