



AHELP for CIAO 3.4

get_qvalue

Context: [sherpa](#)

Jump to: [Description](#) [Bugs](#) [See Also](#)

Synopsis

Module function that returns the statistical significance computed as a q-value.

Syntax

```
Double_Type get_qvalue(Integer_Type, Double_Type)
```

```
Error Return Value: NULL
```

```
Arguments:
```

```
(1) number of degrees of freedom d
```

```
(2) observed statistic value chi_o^2
```

Description

This function returns the tail integral of the chi² distribution for the given number of degrees of freedom.

See the related Sherpa command MLR for more information.

Bugs

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

See Also

chandra

[guide](#)

sherpa

[get analysis](#), [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 fttest](#), [get metadata](#), [get photon axes](#), [get photon energy axes](#), [get photon wave axes](#), [get raw axes](#), [get record](#), [get source](#), [get statistic](#), [get stats](#), [get syserrors](#), [get wave axes](#), [get weights](#), [record](#), [save](#), [write](#)

Ahelp: get_qvalue – CIAO 3.4

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URL:
http://cxc.harvard.edu/ciao3.4/get_qvalue.html
Last modified: December 2006