



 AHELP for CIAO 3.4

xspecxsect

Context: [sherpa](#)

Jump to: [Description](#) [Examples](#) [Bugs](#)

Synopsis

Performs the XSPEC command xsect.

Syntax

```
sherpa> XSPEC XSECT <arg>
```

where <arg> is one of the options listed in the table below.

Description

This commands sets the photoelectric cross-section used in XSPEC absorption models. (It does not set the cross-section for xswabs.)

Allowed Arguments

Name	Description
bcmc	default value; Balucinska–Church & McCammon (1992, ApJ 400, 699) with a new He cross-section based on (1998, ApJ 496, 1044)
obcm	bcmc with the old He cross-section
vern	Verner et al. (1996, ApJ 465, 487)

Example 1

Run the XSPEC command xsect, setting abundances to OBCM:

```
sherpa> XSPEC XSECT OBCM
```

Example 2

Reset the cross-section to the default value:



```
sherpa> XSPEC XSECT BCMC
```

Bugs

For a list of known bugs and issues with the XSPEC models, please visit the [XSPEC bugs page](#).

The Chandra X-Ray Center (CXC) is operated for NASA by the Smithsonian Astrophysical Observatory.
60 Garden Street, Cambridge, MA 02138 USA.
Smithsonian Institution, Copyright © 1998–2006. All rights reserved.

URL:
<http://cxc.harvard.edu/ciao3.4/xspecsect.html>
Last modified: December 2006