

URL: http://cxc.harvard.edu/ciao3.4/xsgaussian.html

Last modified: December 2006

AHELP for CIAO 3.4

xsgaussian

Context: sherpa

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Synopsis

Simple gaussian line profile. XSpec model.

Description

A simple gaussian line profile. If the width is ≤ 0 , then it is treated as a delta function.

xsgaussian Parameters

Number	Name	Description
1	LineE	line energy in keV
2	Sigma	line width in keV
3	norm	total photons/cm^2/s in the line

This information is taken from the <u>XSpec User's Guide</u>. Version 11.3.1 of the XSpec models is supplied with CIAO 3.2.

Bugs

For a list of known bugs and issues with the XSPEC models, please visit the XSPEC bugs page.

See Also

sherpa

atten, bbody, bbodyfreq, beta1d, beta2d, box1d, box2d, bp11d, const1d, const2d, cos, delta1d, delta2d, dered, devaucouleurs, edge, erf, erfc, farf, farf2d, fpsf, fpsf1d, frmf, gauss1d, gauss2d, gridmodel, hubble, jdpileup, linebroad, lorentz1d, lorentz2d, models, nbeta, ngauss1d, poisson, polynom1d, polynom2d, powlaw1d, ptsrc1d, ptsrc2d, rsp, rsp2d, schechter, shexp, shexp10, shlog10, shloge, sin, sqrt, stephi1d, steplo1d, tan, tpsf, tpsf1d, usermodel, xs, xsabsori, xsacisabs, xsapec, xsbapec, xsbbody, xsbbodyrad, xsbexray, xsbexriy, xsbknpower, xsbmc, xsbremss, xsbvapec, xsc6mekl, xsc6pmekl, xsc6pmekl, xsc6ymekl, xsc6vmekl, xscemekl, xscemekl, xscempls, xscomptt, xsconstant, xscutoffpl, xscyclabs, xsdisk, xsdiskbb, xsdiskline, xsdiskm, xsdisko, xsdiskpn, xsdust, xsedge, xsequil, xsexpabs, xsexpdec, xsexpfac, xsgabs, xsgnei, xsgrad, xsgrbm, xshighecut, xshrefl, xslaor, xslorentz, xsmeka, xsmekal, xsmkcflow, xsnei, xsnotch, xsnpshock, xsnsa, xsnteea, xspcfabs, xspegpwrlw, xspexray, xspexriy, xsphabs, xsplabs, xsplcabs, xsposm, xspowerlaw, xspshock, xspwab, xsraymond, xsredden, xsredge, xsrefsch, xssedoy, xssmedge, xsspline, xssrcut,

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<u>xssresc</u>, <u>xssssice</u>, <u>xsstep</u>, <u>xstbabs</u>, <u>xstbgrain</u>, <u>xstbvarabs</u>, <u>xsuvred</u>, <u>xsvapec</u>, <u>xsvarabs</u>, <u>xsvbremss</u>, <u>xsvequil</u>, <u>xsvgnei</u>, <u>xsvmcflow</u>, <u>xsvmeka</u>, <u>xsvmekal</u>, <u>xsvnei</u>, <u>xsvnpshock</u>, <u>xsvphabs</u>, <u>xsvpshock</u>, <u>xsvraymond</u>, <u>xsvsedov</u>, <u>xswabs</u>, <u>xsswndabs</u>, <u>xssxion</u>, <u>xszbbody</u>, <u>xszbremss</u>, <u>xszedge</u>, <u>xszgauss</u>, <u>xszhighect</u>, <u>xszpcfabs</u>, <u>xszphabs</u>, <u>xszpowerlw</u>, <u>xsztbabs</u>, <u>xszvarabs</u>, <u>xszvfeabs</u>, <u>xszvphabs</u>, <u>xszwabs</u>, <u>xszwndabs</u>

slang

usermodel

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