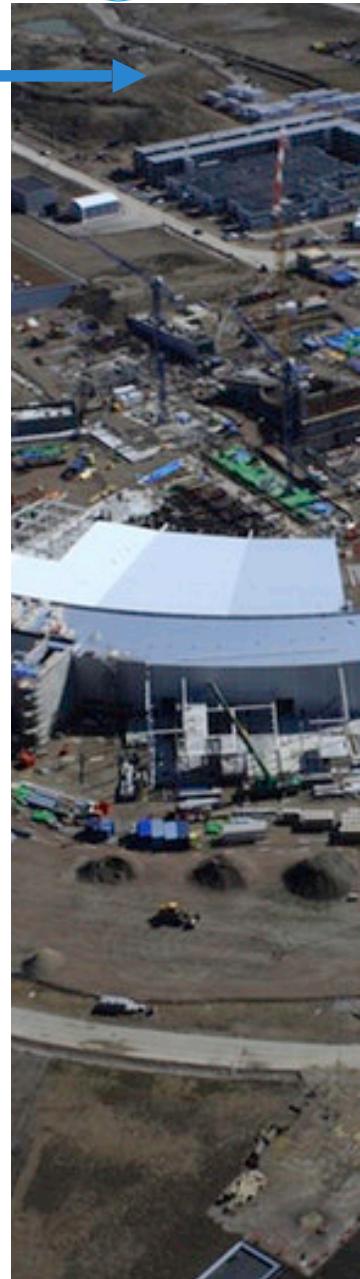


## McStas Documentation and help sources

### Help resources

- *McStas website*
- *The manual(s)*
- *mcdoc*
- *Mailing list + archive*
- *Github site*
- *The examples catalogue*



# Feedback and help

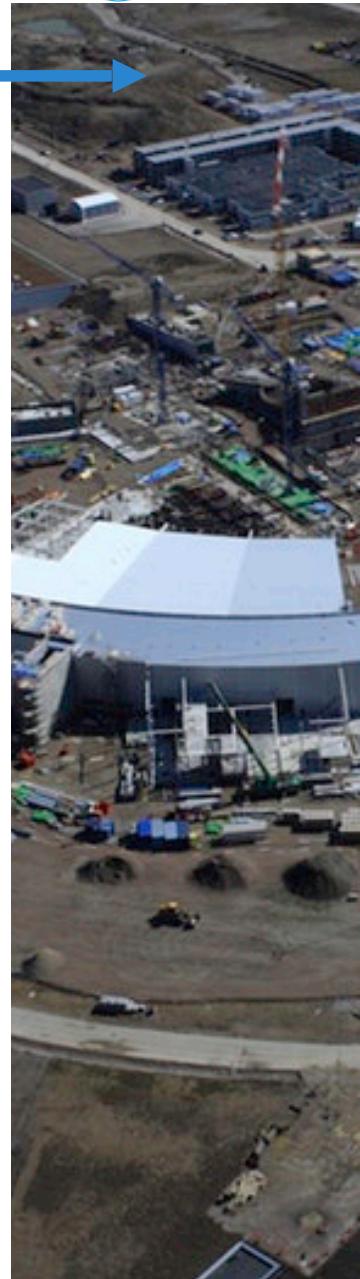
- | Please:
  - | - Enroll to [mcstas-users@mcstas.org](mailto:mcstas-users@mcstas.org)
  - | - Post your question there or to [mcstas-support@mcstas.org](mailto:mcstas-support@mcstas.org)
  - | - There is no such thing as a stupid question!
  - | - Like us on Facebook? :)



## McStas Documentation and help sources

### Help resources prioritized

- *mcdoc*
- *The examples catalogue*
- *The manual(s)*
- *McStas website*
- *Github site*
- *Mailing list + archive*



[Most Visited](#) [Getting Started](#) [Portscout Port Up...](#) [Getting Started](#) [Bright: New beamlin...](#) [Astro-Update He...](#)
[sources](#) | [optics](#) | [samples](#) | [monitors](#) | [misc](#) | [contrib](#) | [examples](#)
[User Manual](#) | [Component Manual](#) | [Data files](#) | </usr/share/mcstas/2.4pre01/tools/Python/mcgui/../mccodelib/.../>

# Components and Instruments from the Library for *McStas*

Names in **Boldface** denote components that are properly documented with comments in the source code.

## Sources

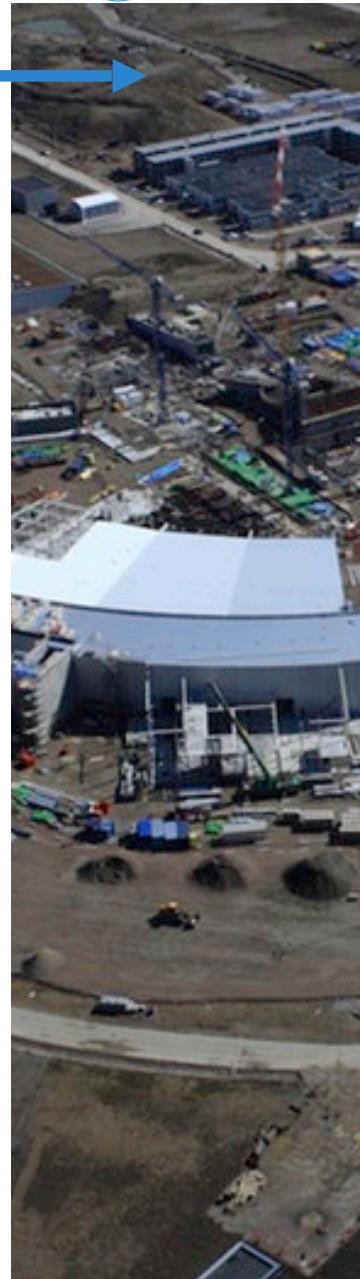
Name	Origin	Author(s)	Source code	Description
<a href="#">Adapt_check</a>	Risoe	Kristian Nielsen	<a href="#">comp</a>	Optimization specifier for the <b>Source_adapt</b> component.
<a href="#">ESS_butterfly</a>	DTU	Peter Willendrup and Esben Klinkby	<a href="#">comp</a>	ESS butterfly moderator, 2016 revision
<a href="#">ESS_moderator</a>	DTU	P Willendrup and E Klinkby, February 2014, derived from K Lefmann <a href="#">ESS_moderator_long</a>	<a href="#">comp</a>	A parametrised pulsed source for modelling ESS long pulses.
<a href="#">Moderator</a>	Risoe	KN, M.Hagen	<a href="#">comp</a>	A simple pulsed source for time-of-flight.
<a href="#">Monitor_Optimizer</a>	ILL (France)	<a href="#">Emmanuel Farhi</a>	<a href="#">comp</a>	To be used after the <b>Source_Optimizer</b> component
<a href="#">Source_Maxwell_3</a>	Risoe	Kim Lefmann	<a href="#">comp</a>	Source with up to three Maxwellian distributions
<a href="#">Source_Optimizer</a>	ILL (France)	<a href="#">Emmanuel Farhi</a>	<a href="#">comp</a>	A component that optimizes the neutron flux passing through the <b>Source_Optimizer</b> in order to have the maximum flux at the <b>Monitor_Optimizer</b> position.
<a href="#">Source_adapt</a>	Risoe	Kristian Nielsen	<a href="#">comp</a>	Neutron source with adaptive importance sampling
<a href="#">Source_div</a>	Risoe	KL	<a href="#">comp</a>	Neutron source with Gaussian or uniform divergence
<a href="#">Source_gen</a>	ILL/Risoe	Emmanuel Farhi, Kim Lefmann	<a href="#">comp</a>	Circular/squared neutron source with flat or Maxwellian energy/wavelength spectrum
<a href="#">Source_simple</a>	Risoe	Kim Lefmann	<a href="#">comp</a>	A circular neutron source with flat energy spectrum and arbitrary flux
<a href="#">Virtual_input</a>	ILL	<a href="#">E. Farhi</a>	<a href="#">comp</a>	Source-like component that generates neutron events from an ascii 'virtual source' filename.
<a href="#">Virtual_output</a>	ILL	<a href="#">E. Farhi</a>	<a href="#">comp</a>	Detector-like component that writes neutron state parameters into an ascii-format 'virtual source' neutron file.

## Examples Directory

- *Simple grep* →
  - 370 examples of *Monitor\_nD*
  - 51 examples of *Source\_gen*
  - 10 examples of *ISIS\_moderator*
  - 10 examples of *Single\_crystal*

Unix/Linux:

```
grep ISIS_moderator /usr/share/mcstas/2.4pre01/examples/*
```



## Examples Directory

- *Simple grep →*
  - *370 examples of Monitor nD*

*They have an author name!*

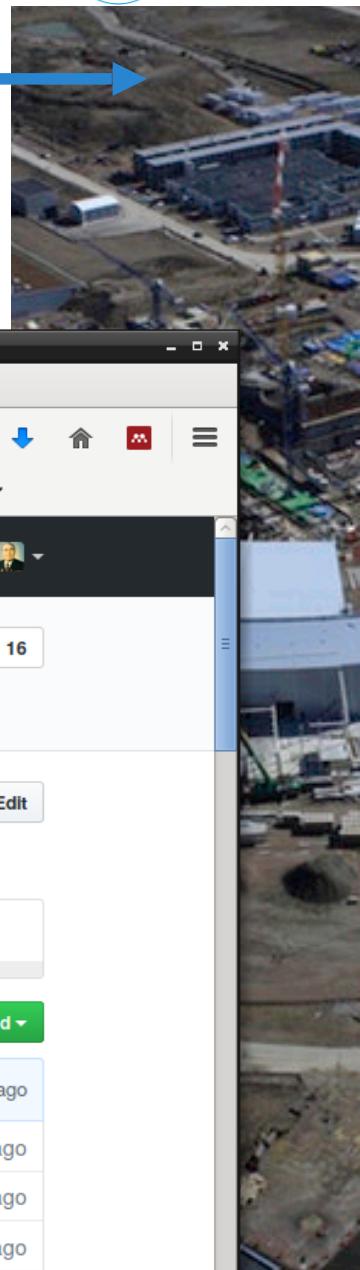
*For instance:*

*ISIS\_CRISP → R. Dalgliesh  
SE\_example → E. Knudsen)*



GitHub.com

<https://github.com/McStasMcXtrace/McCode>



**McStasMcXtrace/McCode - Mozilla Firefox**

McStasMcXtrace/McCode | GitHub, Inc. (US) | https://github.com/McStasMcXtrace/McCode

This repository Search Pull requests Issues Gist

Watch 6 Star 11 Fork 16

Code Issues 66 Pull requests 0 Projects 0 Wiki Pulse Graphs Settings

<http://www.mccode.org> Edit

c neutron x-ray scientific-computing simulation raytracing Manage topics

6,697 commits 12 branches 6 releases 14 contributors GPL-2.0

Branch: master New pull request Create new file Upload files Find file Clone or download

ebknudsen forgotten path Latest commit b439d8d 3 days ago

cmake Attempt to make mcgui desktop link visible again 15 days ago

common Make the Component Blah AT (x,y,z) location status in trace mode incl... 2 months ago

doc Fix all refs to mczilla\_webpage, name change for SINE2020 and GitHub ... 3 months ago

docpkg/manuals Updated pdf's for proofreading 3 months ago

mcstas-comps minor changes to some instr files to polish link parsing 4 days ago

mcstas Increase symbol table length to accomodate MACS instrument from Mads ... 18 days ago

# GitHub.com: wiki

github.com

DTU R12 Pro...tion NYPROD Move MS offi...mors Forums How To: Inst...umors Forums How to install...on dell d610? Trådløst netværk My current n...oogle Groups >> +

Search or jump to... Pull requests Issues Marketplace Explore

Unwatch 10 Unstar 22 Fork 22

Code Issues 89 Pull requests 0 Projects 0 Wiki Insights Settings

**Home** Edit New Page

Peter Willendrup edited this page on Jan 18 · 7 revisions

## Welcome to the McCode wiki!

### General information

- How McStas/McXtrace works overview
- Access to the code tree

### Developer guides

- Developer literature
- Building McStas/McXtrace
- Builds and platforms overview
- Release procedure/notes
- How to use Eclipse with PyDev

### For users & comp developers

- McStas tutorial: simplified SANS instrument
- Writing Components
- Single crystal - and generating its input
- Generate Vitess modules via mcstas2vitess

### Interlinks with other software

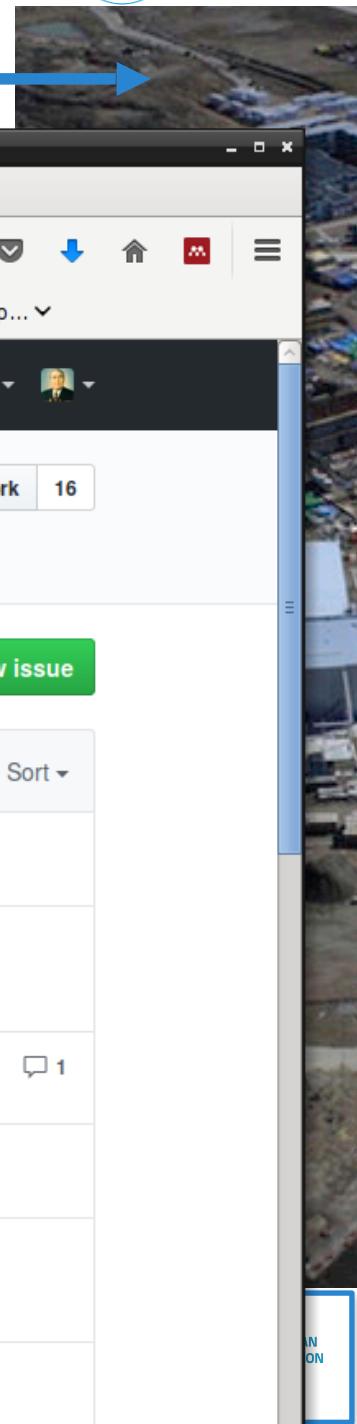
Pages 30

Find a Page...

- Home
- Access to the code tree
- Building McStas McXtrace
- Builds and platforms overview
- Developer literature
- Generate Vitess modules via mcstas2vitess
- How McStas McXtrace works overview
- How to update the MCPL shipped with McStas McXtrace
- How to use Eclipse with PyDev
- mcdisplay pyqtgraph
- mcdisplay variants table overview
- mcdisplay webgl
- mcgui
- MCPL related issue on



# GitHub.com: Issue Tracker



Issues · McStasMcXtrace/McCode - Mozilla Firefox

Issues · McStasMcXtrace · GitHub Inc. (US) | https://github.com/McStasMcXtrace/McCode/issues | mcstas github

Most Visited · Getting Started · Portscout Port Up... · Getting Started · Bright: New beamlin... · Astro-Update He... · Portscout Port Up... ·

This repository Search Pull requests Issues Gist

McStasMcXtrace / McCode Watch 6 Star 11 Fork 16

Code Issues 66 Pull requests 0 Projects 0 Wiki Pulse Graphs Settings

Filters ▾ is:issue is:open Labels Milestones New issue

	Author	Labels	Projects	Milestones	Assignee	Sort
<input type="checkbox"/> 66 Open ✓ 319 Closed						
<input type="checkbox"/> ⚠ Systematic look at all instr/comp headers for consistency Long haul	#442 opened 6 days ago by willend					
<input type="checkbox"/> ⚠ mcrun: Find a way to specify e.g. Monitor_nD options="..." strings that don't clash with other instr parms Long haul	#441 opened 6 days ago by willend					
<input type="checkbox"/> ⚠ Progress bar not working for a range scan	#439 opened 13 days ago by matteobsu	1				
<input type="checkbox"/> ⚠ Ensure mcgui desktop link on windows is there McStas 2.4 MUST BE ADRESSED before 2.4	#436 opened 18 days ago by willend					
<input type="checkbox"/> ⚠ MPI and MCPL_input / ESS_butterfly_MCPL solution - duplicate stats "by file" if possible enhancement Long haul	#432 opened on 22 Mar by willend					
<input type="checkbox"/> ⚠ McCode: Devise radical dependence reduction contingency	#431 opened on 20 Mar by climbcat					

# Mailing List



McStas homepage - Mozilla Firefox

mcdoc.pl: Search result f... x McStas homepage x +

www.mcstas.org/list/ | Search |  |  |  |  |  |  | 

Most Visited ▾ Getting Started Portscout Port Up... ▾ Getting Started Bright: New beamlin... Astro-Update He... ▾

# McStas



## McStas - A neutron ray-trace simulation package



**McStas**

[About McStas](#)  
[Conditions of use](#)  
[Authors/Contacts](#)  
[Project funding](#)  
[Screenshots](#)

[Download](#)  
[Components](#)  
[Linux Install \(deb/rpm\)](#)  
[Mac OS X Install](#)  
[Unix Install \(src code\)](#)  
[Windows Install](#)  
[Other Downloads \(share\)](#)

[Mailing list](#)

[Search web/mailinglist](#)

[Documentation](#)  
[McStas manual](#)  
[FAQ](#)  
[Known problems](#)  
[Publications](#)  
[C Compilers](#)  
[Other](#)  
[Tools](#)  
[Tutorial](#)

**mcstas-users mailing list**

To subscribe to mcstas-users, fill in your email address and press subscribe:

To access the mailing list interface, go to <http://mailman.mcstas.org/cgi-bin/mailman/listinfo/mcstas-users>

To access archived messages, go to <http://mailman.mcstas.org/pipermail/mcstas-users>.

New: Search capability has now been added to the website!

[Printable version](#)

Last Modified: [Printable version](#)

Last Modified: Thursday, 12-Jun-2008 12:57:22 CEST

# Mailing List



mcstas-users Info Page - Mozilla Firefox

mcstas-users Info Page mailman.mcstas.org/cgi-bin/mailman/listinfo/mcstas-users

Most Visited Getting Started Portscout Port Up... Getting Started Bright: New beamlin... Astro-Update He...

**mcstas-users --**

About mcstas-users English (USA)

To see the collection of prior postings to the list, visit the [mcstas-users Archives](#).

**Using mcstas-users**

To post a message to all the list members, send email to [mcstas-users@mcstas.org](mailto:mcstas-users@mcstas.org).

You can subscribe to the list, or change your existing subscription, in the sections below.

**Subscribing to mcstas-users**

Subscribe to mcstas-users by filling out the following form. You will be sent email requesting confirmation, to prevent others from gratuitously subscribing you. Once confirmation is received, your request will be held for approval by the list moderator. You will be notified of the moderator's decision by email. This is also a private list, which means that the list of members is not available to non-members.

Your email address:

Your name (optional):

You may enter a privacy password below. This provides only mild security, but should prevent others from messing with your subscription. **Do not use a valuable password** as it will occasionally be emailed back to you in cleartext.

If you choose not to enter a password, one will be automatically generated for you, and it will be sent to you once you've confirmed your subscription. You can always request a mail-back of your password when you edit your personal options.

Pick a password:

Reenter password to confirm:

Which language do you prefer to display your messages? English (USA)

Would you like to receive list mail batched in a daily digest?  No  Yes

[Subscribe](#)



# Mailing List - Archive



The mcstas-users Archives - Mozilla Firefox

The mcstas-users Archives mailman.mcstas.org/pipermail/mcstas-users/

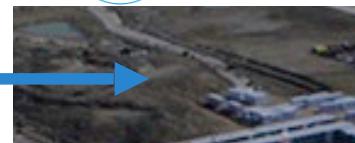
Most Visited Getting Started Portscout Port Up... Getting Started Bright: New beamlin... Astro-Update He...

## The mcstas-users Archives

You can get [more information about this list.](#)

Archive	View by:	Downloadable version
Second quarter 2017:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 481 bytes ]
First quarter 2017:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 4 KB ]
Fourth quarter 2016:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 7 KB ]
Third quarter 2016:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 6 KB ]
Second quarter 2016:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 4 KB ]
First quarter 2016:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 5 KB ]
Fourth quarter 2015:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 12 KB ]
Third quarter 2015:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 5 KB ]
Second quarter 2015:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 14 KB ]
First quarter 2015:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 13 KB ]
Fourth quarter 2014:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 12 KB ]
Third quarter 2014:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 13 KB ]
Second quarter 2014:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 5 KB ]
First quarter 2014:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 9 KB ]
Fourth quarter 2013:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 5 KB ]
Third quarter 2013:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 59 KB ]
Second quarter 2013:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 12 KB ]
First quarter 2013:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 15 KB ]
Fourth quarter 2012:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 15 KB ]
Third quarter 2012:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 3 KB ]
Second quarter 2012:	[ Thread ] [ Subject ] [ Author ] [ Date ]	[ Gzip'd Text 7 KB ]

# Mailing List Search page



McStas homepage - Mozilla Firefox

mcdoc.pl: Search result f... x McStas homepage x +

www.mcstas.org/search/ | Search |  |  |  |  |  |  |  | 

Most Visited ▾ Getting Started Portscout Port Up... ▾ Getting Started Bright: New beamlin... Astro-Update He... ▾

**McStas** 

**McStas** - A neutron ray-trace simulation package 

**McStas**

**About McStas**  
[Conditions of use](#)  
[Authors/Contacts](#)  
[Project funding](#)  
[Screenshots](#)

**Download**  
[Components](#)  
[Linux Install \(deb/rpm\)](#)  
[Mac OS X Install](#)  
[Unix Install \(src code\)](#)  
[Windows Install](#)  
[Other Downloads \(share\)](#)

**Mailing list**

**Search web/mailinglist**

**Documentation**  
[McStas manual](#)  
[FAQ](#)  
[Known problems](#)  
[Publications](#)  
[C Compilers](#)  
[Other](#)  
[Tools](#)  
[Tutorial](#)

**Workshops/conferences**

**Developments**

**Links**

**Report bugs**

## Search page for McStas

Using this page, you can search the mailinglist and [Risø DTU](#)/[ILL](#) **McStas** websites

---

**Google™** search: (search google's cache)  
  the [mcstas-users](#) mailinglist

the [RISØ](#) **McStas** website

the [ILL](#) **McStas** website

[Printable version](#)

---

Last Modified: Thursday, 06-Oct-2016 21:28:16 CEST