

Supplementary Tools

D. Kresan
GSI, Darmstadt



R3BRoot Forum

Ment for everybody, who has:

- general question
- problems with installation or compilation
- issues with simulation
- obstacles in data analysis

Highly recommended:

register to post questions and subscribe to be up-to-date and to help your colleagues

After last workshop, within 1.5 years:


62 topics with 295 messages sorted in 4 groups

Entire discussions are searchable from google

Before describing your problem in a private e-mail: think that other developers are dealing or will be dealing with it too

<https://forum.gsi.de/index.php?t=index&cat=40&>

<https://www.r3broot.gsi.de/r3broot-forum> (syndicated)



GSI Forum





GSI Helmholtzzentrum für Schwerionenforschung

Forum Search:

[Members](#) [Pages](#) [Search](#) [Help](#) [Register](#) [Login](#) [Home](#)

Show: [Today's Messages](#) :: [Unanswered Messages](#) :: [Show Polls](#) :: [Message Navigator](#)

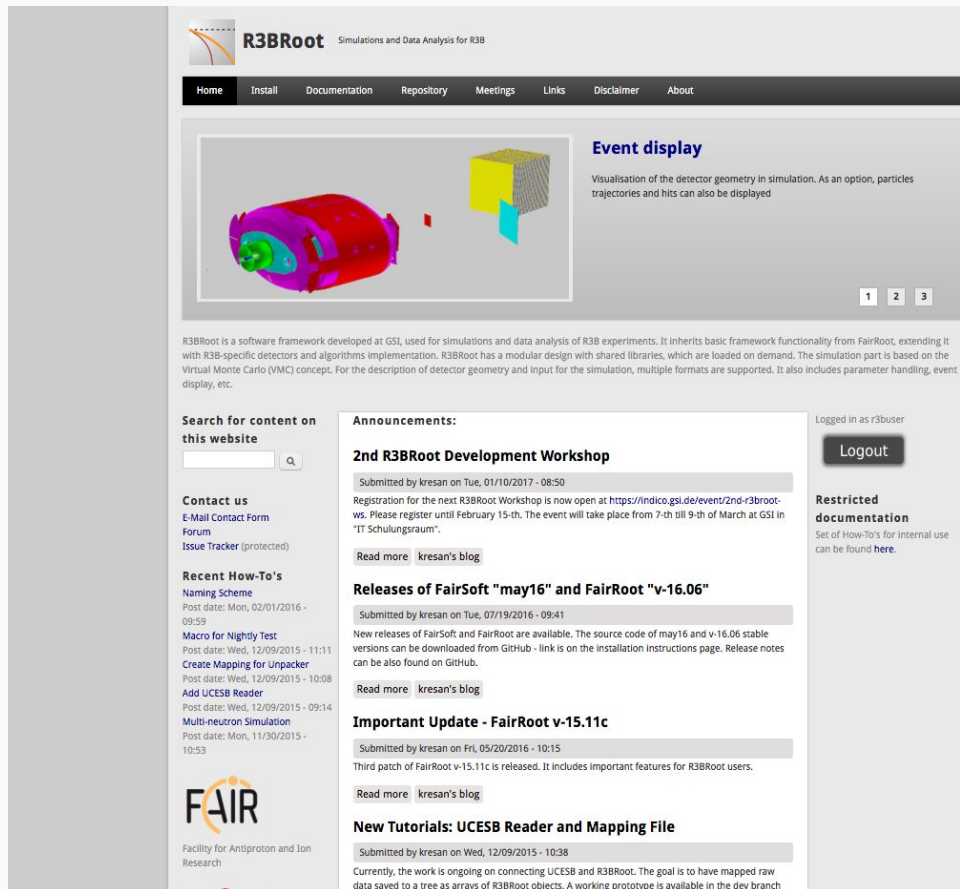
[Home](#) » **R3BRoot**

Forum	Messages	Topics	Last message
R3BRoot - R3B Software			
 General Discussions Web for general discussions. If you don't know where to put a topic, put it here. Moderator: Dmytro Kresan	54	13	Mon, 16 January 2017 By: Dmytro Kresan ↕
 Installation and Compilation Installation and Compilation Moderator: Dmytro Kresan	72	14	Tue, 09 August 2016 By: Oleg ↕
 Simulation Issues Simulation Issues Moderator: Dmytro Kresan	139	28	Fri, 17 February 2017 By: PaoloR ↕
 Data Analysis Data Analysis Moderator: Dmytro Kresan	30	7	Wed, 25 May 2016 By: MarcLabiche ↕

Login: Password:

Our users have posted a total of **295 messages** inside **62 topics**.
Most users ever online was **833** on **Mon, 19 December 2011 21:04**
We have **827** registered users.
The newest registered user is roklasen@uni-mainz.de
Last message on the forum: [Re: info on charged particle simulations into NeuLAND](#)

<https://www.r3broot.gsi.de>
or simply google r3broot



The screenshot shows the R3BRoot website interface. At the top, there is a navigation bar with links: Home, Install, Documentation, Repository, Meetings, Links, Disclaimer, and About. The main content area features a large image of a 3D detector geometry visualization, labeled "Event display". Below this image, there is a description: "Visualisation of the detector geometry in simulation. As an option, particles trajectories and hits can also be displayed". To the right of the image are three small numbered boxes (1, 2, 3). Below the main content area, there is a section for "Search for content on this website" with a search bar and a magnifying glass icon. To the left of the search bar, there is a "Contact us" section with links to "E-Mail Contact Form", "Forum", and "Issue Tracker (protected)". Below the search bar, there is a "Recent How-To's" section with a list of links and their post dates: "Naming Scheme" (02/01/2016 - 09:59), "Macro for Nightly Test" (12/09/2015 - 11:11), "Create Mapping for Unpacker" (12/09/2015 - 10:08), "Add UCESB Reader" (12/09/2015 - 09:14), and "Multi-neutron Simulation" (11/30/2015 - 10:53). At the bottom left, there is a logo for "FAIR" (Facility for Antiproton and Ion Research). On the right side of the page, there is a "Logged in as r3buser" status and a "Logout" button. Below this, there is a "Restricted documentation" section with a link to "Set of How-To's for internal use can be found here.". The main content area also includes several announcements: "2nd R3BRoot Development Workshop" (submitted by kresan on Tue, 01/10/2017 - 08:50), "Releases of FairSoft 'may16' and FairRoot 'v-16.06'" (submitted by kresan on Tue, 07/19/2016 - 09:41), "Important Update - FairRoot v-15.11c" (submitted by kresan on Fri, 05/20/2016 - 10:15), and "New Tutorials: UCESB Reader and Mapping File" (submitted by kresan on Wed, 12/09/2015 - 10:38).

R3BRoot Simulations and Data Analysis for R3B

Home Install Documentation Repository Meetings Links Disclaimer About

Event display

Visualisation of the detector geometry in simulation. As an option, particles trajectories and hits can also be displayed

1 2 3

R3BRoot is a software framework developed at GSI, used for simulations and data analysis of R3B experiments. It inherits basic framework functionality from FairRoot, extending it with R3B-specific detectors and algorithms implementation. R3BRoot has a modular design with shared libraries, which are loaded on demand. The simulation part is based on the Virtual Monte Carlo (VMC) concept. For the description of detector geometry and input for the simulation, multiple formats are supported. It also includes parameter handling, event display, etc.

Search for content on this website

Contact us
E-Mail Contact Form
Forum
Issue Tracker (protected)

Recent How-To's
Naming Scheme
Post date: Mon, 02/01/2016 - 09:59
Macro for Nightly Test
Post date: Wed, 12/09/2015 - 11:11
Create Mapping for Unpacker
Post date: Wed, 12/09/2015 - 10:08
Add UCESB Reader
Post date: Wed, 12/09/2015 - 09:14
Multi-neutron Simulation
Post date: Mon, 11/30/2015 - 10:53

FAIR
Facility for Antiproton and Ion Research

Announcements:

2nd R3BRoot Development Workshop

Submitted by kresan on Tue, 01/10/2017 - 08:50

Registration for the next R3BRoot Workshop is now open at <https://indico.gsi.de/event/2nd-r3broot-ws>. Please register until February 15-th. The event will take place from 7-th till 9-th of March at GSI in "IT Schulungsraum".

Read more kresan's blog

Releases of FairSoft "may16" and FairRoot "v-16.06"

Submitted by kresan on Tue, 07/19/2016 - 09:41

New releases of FairSoft and FairRoot are available. The source code of may16 and v-16.06 stable versions can be downloaded from GitHub - link is on the installation instructions page. Release notes can be also found on GitHub.

Read more kresan's blog

Important Update - FairRoot v-15.11c

Submitted by kresan on Fri, 05/20/2016 - 10:15

Third patch of FairRoot v-15.11c is released. It includes important features for R3BRoot users.

Read more kresan's blog

New Tutorials: UCESB Reader and Mapping File

Submitted by kresan on Wed, 12/09/2015 - 10:38

Currently, the work is ongoing on connecting UCESB and R3BRoot. The goal is to have mapped raw data saved to a tree as arrays of R3BRoot objects. A working prototype is available in the dev branch

Logged in as r3buser
Logout

Restricted documentation
Set of How-To's for internal use can be found [here](#).

Website

- Announcements (front page)
- Instructions on how to install and update
- Some basic and advanced how-to's
- Minutes and talks from WG Meetings
- Collection of talks and tutorials from 1st R3BRoot Workshop
- Daily updated class reference (doxygen)
- Restricted documents with PDF upload functionality

Restricted access:

- username: r3buser
- password: R3B magnet, all small letters and year when it was delivered to GSI

Automatic login:

you will be automatically logged in as r3buser, if you open the webpage from GSI computer (IP address filter)

Code storage and maintenance

R3BRootGroup / R3BRoot

Unwatch 6 Star 3 Fork 20

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

Framework for Simulations and Data Analysis of R3B Experiment <https://www.r3broot.gsi.de/> Edit

New Add topics

1,712 commits 4 branches 4 releases 3 contributors

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

This branch is 135 commits ahead of master. Pull request Compare

isyndikus committed with kresan Small changes and corrections for PSPX classes and parameter files, i... Latest commit 0c9cb0f on Aug 8, 2016

actar	Load geometry for Garfield++ from TGeoManager.	6 months ago
cal	Corrected PID calibration parameter handling in R3BCaloCal	10 months ago
cmake	Include Ucesb structures into dictionary for unpack, los, nnp, tofd, ...	7 months ago
compilehelper	Missing directory. Sorry!	2 years ago
config	Change location of rootmanager configuration file - with tree name.	10 months ago
dch	Remove classes which double implementation in Geant4. Use R3B specif...	a year ago
dtof	Remove classes which double implementation in Geant4. Use R3B specif...	a year ago
evtvis	Bug fixed in CALIFA evtvis	2 years ago
fi4	Fixed: error with ROOT 5 dictionary generation.	8 months ago
field	Added: delete FairRunAna or FairRunOnline instance after Run. Remove ...	a month ago
gconfig	Adjust standard simulation input and field.	3 months ago
geometry	Remove obsolete models from geometry.	3 months ago

R3BRootGroup / R3BRoot

Unwatch 6 Star 3 Fork 20

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

Contributors Traffic Commits Code frequency Punch card Network Members Dependents

Owners

Feb

3 8 16 17

R3BRootGroup

miharentas

vadim3b

kresan

isyndikus

janmayer

PabloCabanelas

michael-heil

ChristianAlwin

malabi

jtscheuschner

rplag

palomilla

dev

nightly_dev

multiple-dev

Geo_Monitor

isagmet_dev

feature_PSPX

isagmet_dev

Keyboard shortcuts available

Redmine Issue Tracker

Submit

- bug report
- your current project
- feature request

Provides overview of current activities, assigned persons, due dates, spent time, completeness level

<https://www.r3broot.gsi.de/redmine> - registration required

Home My page Projects Help Logged in as kresan My account Sign out

R3BRoot Search: R3BRoot

+ Overview Activity **Issues** Gantt Calendar News Documents Wiki Files Settings

Issues [New issue](#)

Filters ☒ Status open Add filter

Options

[Apply](#) [Clear](#) [Save](#)

#	Tracker	Status	Priority	Subject	Assignee	Updated
<input type="checkbox"/> 54	Support	New	Normal	transition to UCESB unpacker		11/23/2016 11:52 AM
<input type="checkbox"/> 53	Feature	New	High	LOS in s438b	Bastian Löher	11/18/2016 08:24 AM
<input type="checkbox"/> 48	Feature	New	Normal	Vacuum chamber for tracking detectors for simulation.	Lorenzo Zanetti	10/14/2016 01:49 PM
<input type="checkbox"/> 39	Feature	In Progress	Normal	TOFD data analysis from Cal to Hit level	Michael Heil	07/25/2016 02:55 PM
<input type="checkbox"/> 34	Feature	New	Normal	Implementation of Tpat and Eventnumber	Bastian Löher	07/25/2016 03:06 PM
<input type="checkbox"/> 33	Feature	New	High	Macros for the Demonstrator tests Simulation Analysis.	Hector Alvarez Pol	02/27/2016 08:30 PM
<input type="checkbox"/> 31	Support	New	High	Modifications in all CALIFA classes according to naming convention.	Pablo Cabanelas	01/11/2017 12:40 PM
<input type="checkbox"/> 24	Feature	New	Normal	Check CALIFA mapping UCESB unpacker	Hector Alvarez Pol	12/14/2016 12:09 PM
<input type="checkbox"/> 6	Feature	In Progress	Normal	Implement analysis of Fiber4	Joachim Tscheuschner	07/25/2016 03:01 PM

(1-9/9)

Also available in: [Atom](#) | [CSV](#) | [PDF](#)

Powered by Redmine © 2006-2016 Jean-Philippe Lang

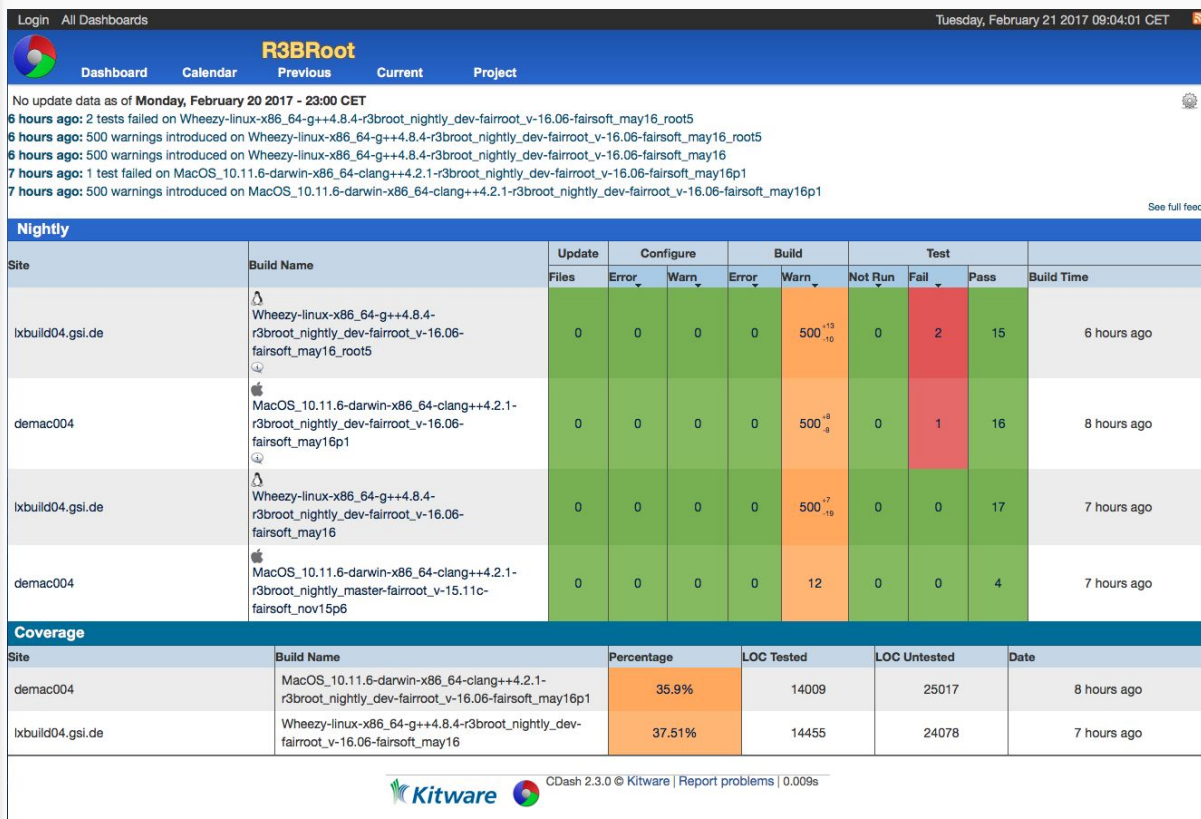
Continuous build system CDash - for contributors

When you send a pull request: after the merge, R3BRoot will be automatically configured, compiled and tests will be executed

See if your commit breaks something

Possible to run experimental build on your computer prior to a PR - more details on Thursday in “Advanced Topics”

<https://cdash.gsi.de/index.php?project=R3BRoot>



Overview

Forum	General user / developer support
Website	Informative: announcements, documentation
GitHub	Code maintenance, workflow support
Redmine	Bug and issue tracker for internal use
CDash	Continuous and nightly build system and profiling