

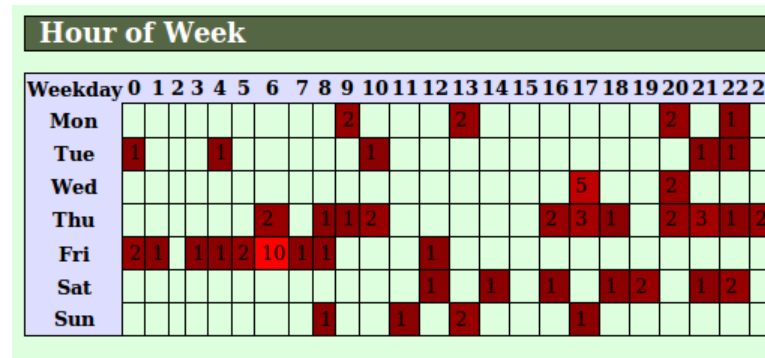
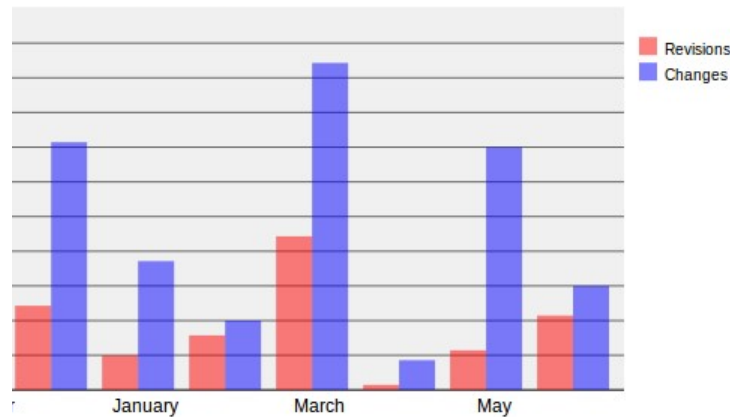


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Code Review of B2CGS



- A well functioning software project
 - <http://redmine.ifj.edu.pl/projects/belle2grid/activity>



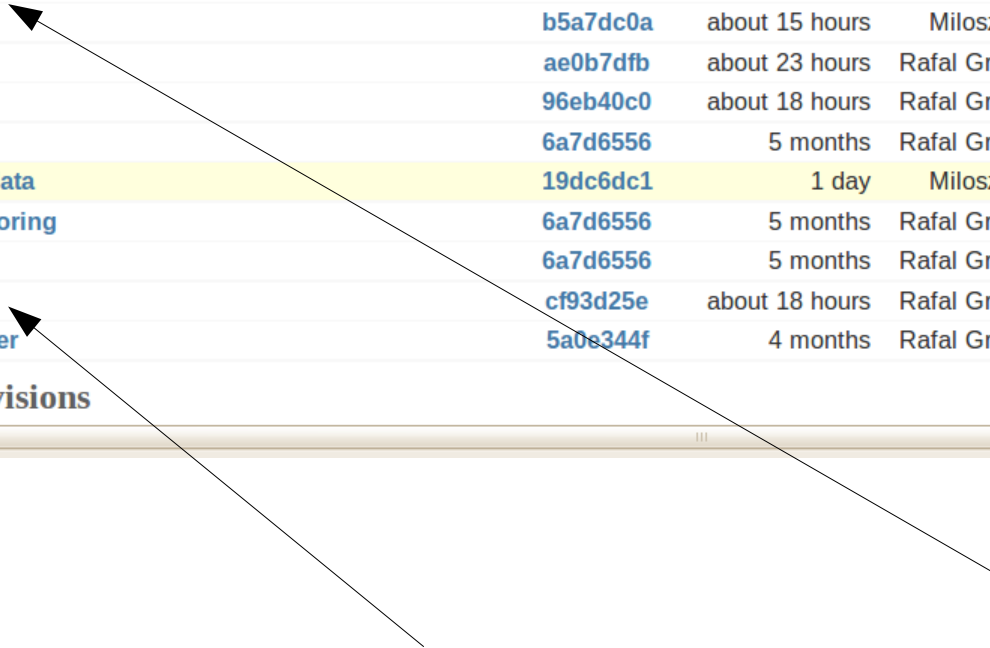


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root / src / belle2 / grid / b2cgs / core @ master Statistics | Branch: master | Revision:

Name	Size	Revision	Age	Author	Comment
cnfg		3e71a62a	3 months	Maciej Sitarz	Added new class Config for config handling.
dhs		b5a7dc0a	about 15 hours	Milosz Zdybal	Hot bugfixes. Multiprocessing funcions don't w...
igc		ae0b7dfb	about 23 hours	Rafal Grzymkowski	we won't use pydev remote debugger at this stage
iis		96eb40c0	about 18 hours	Rafal Grzymkowski	old pybdii class removed
jobs		6a7d6556	5 months	Rafal Grzymkowski	creating new structure of packages
metadata		19dc6dc1	1 day	Milosz Zdybal	Fixes in Amga modules - mostly minor changes, a...
monitoring		6a7d6556	5 months	Rafal Grzymkowski	creating new structure of packages
pbk		6a7d6556	5 months	Rafal Grzymkowski	creating new structure of packages
tests		cf93d25e	about 18 hours	Rafal Grzymkowski	test suite is passing already ./test.py -t all
updater		5a0e344f	4 months	Rafal Grzymkowski	synchronization git repository in Redmine testing

Latest revisions



Unit tests

Centralised configuration



- Does the code completely and correctly implement the design?
 - Design still in progress → implementation is incomplete
 - However, current work is correct
- Does the code conform to any pertinent coding standards?
 - It's not ugly code, but no clear coding standard leaves slight inconsistencies
- Is the code well-structured, consistent in style, and consistently formatted?
 - Well-structured, but has style/format inconsistencies
- Are there any uncalled or unneeded procedures or any unreachable code?
 - Yes – bit of old code present
- Are there any leftover stubs or test routines in the code?
 - Yes – bit of old code present, suggested moves to unit tests for some
- Can any code be replaced by calls to external reusable components or library functions?
 - External libraries used well.
- Are there any blocks of repeated code that could be condensed into a single procedure?
 - Yes, but across multiple development concepts – so acceptable

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- Are symbolics used rather than “magic number” constants or string constants?
 - Yes, and central configuration will help even more
- Are any modules excessively complex and should be restructured or split into multiple routines?
 - Not yet!
- Is the code clearly and adequately documented with an easy-to-maintain commenting style? Are all comments consistent with the code?
 - Not always, but fixed after redmine comments
- Is the audience bored right now?
 - Yes
- Are all variables properly defined with meaningful, consistent, and clear names
Are there any redundant or unused variables?
 - Variables generally done well
- Are all loops, branches, and logic constructs complete, correct, and properly nested?
 - Python :)
- Are the most common cases tested first in IF- -ELSEIF chains?
 - Yes



- Are all cases covered in an IF- -ELSEIF or CASE block, including ELSE or DEFAULT clauses?
 - Yes
- Are loop termination conditions obvious and invariably achievable?
 - Yes, but hard to tell with some external libraries
- Are indexes or subscripts properly initialized, just prior to the loop?
 - Yes, but there could be a problem with some external library calls returning []/None
- Can any statements that are enclosed within loops be placed outside the loops?
 - No
- Does the code in the loop avoid manipulating the index variable or using it upon exit from the loop?
 - Yes
- Is there a possibility of premature loop exit?
 - Yes – if external libraries have errors, needs further checking
- Will the program, module, subroutine, or loop eventually terminate?
 - Yes
- Etc etc etc



- It's all on redmine
 - 57 specific comments
 - http://redmine.ifj.edu.pl/code_review/index/belle2grid



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