

BornAgain - Envelope task #424

=== PythonAPI ===

02 Oct 2013 14:51 - pospelov

Status: Archived	Start date: 04 Jul 2012
Priority: Urgent	Due date:
Assignee:	% Done: 100%
Category:	Estimated time: 0.00 hour
Target version:	
Description	
There are several problems to address	
<ul style="list-style-type: none">• Provide argument list in functions and constructors with readable helper in Python session• Decrease amount of methods exposed to Python• Check Python3 compatibility• Define policy with C++ / Python object ownership (const *, const &, *) and modify accordingly codegenerator.py• Get rid from warnings 'overloaded virtual is hidden' during PythonAPI compilation• Get rid from warnings 'deprecated NUMPY' • Increase usability of OutputData in Python (partly done, still no iterators)• Toward polarization in Python: provide export/import of Eigen matrix in Python or create some wrapper class	
Subtasks:	
Feature # 333: PythonAPI: provide conversion of eigen matrix to numpy array	Rejected
Feature # 55: PythonAPI: implement python unit tests infrastructure	Rejected
Feature # 335: Check Python 3 compatibility	Archived
Feature # 450: Provide python function to retrieve polarized output data	Archived
Documentation # 489: Python docstrings	Archived
Feature # 515: Expose to python masking of intensity data to make fit along cuts	Rejected
Feature # 523: Expose to python MSG::SetLevel	Archived
Bug # 567: Restore PythonAPI generation under Maverick	Archived
Bug # 900: Custom form factors in python do not work with multithreading	Rejected
Feature # 1245: Investigate alternative Python API generation (for c++11)	Archived
Refactoring # 1285: Investigate status of Py++	Resolved
Refactoring # 1286: don't include each core .h file in each .pypp.cpp file	Rejected
Bug # 1299: gccxml does not compile under gcc5; codegenaror.py does not work under gcc4.9	Rejected

History

#1 - 06 Nov 2013 13:39 - pospelov

- Description updated

#2 - 10 Feb 2016 20:12 - wuttke

- Tracker changed from Feature to Envelope task

- Status changed from Backlog to In Progress

#3 - 25 May 2016 15:32 - wuttke

- Subject changed from PythonAPI campaign to === PythonAPI ===

#4 - 01 Jun 2016 10:55 - wuttke

- Status changed from In Progress to Archived

no subtasks left open