

MAUS - Feature #668

CKOV functionality from Peter Sonnek's code

09 August 2011 01:11 - Tunnell, Christopher

Status:	Open	Start date:	09 August 2011
Priority:	Normal	Due date:	01 January 2012
Assignee:	Kafka, Gene	% Done:	0%
Category:	Ckov	Estimated time:	0.00 hour
Target version:	Future MAUS release		
Workflow:			
Description			
Be able to analyze the CKOVs.			

History

#1 - 09 August 2011 01:11 - Tunnell, Christopher

Email:

Dear Chris, Gene

I am reviewing the geom file for the CKOV in MAUS. There are many small problems to fix. A linear layered model best suits simulation and reco for now. I have not found the material defs in MAUS. I will need to define some mixtures eg, FOAM_CORE.

I have asked Peter Sonnek to rewrite his G4MICE code (C++). This clean code, free of ROOT calls, will be helpful in crafting the MAUS code.

Gene should focus on running a MAUS job and reading in a Spring 2010 data file to display TOF and CKOV values. I believe becoming an expert at Python scripting will be helpful. (Not sure if TOF or CKOV are functional in MAUS? These codes have been ported over from G4MICE I suspect.)

Maurizio needs to show continued progress in the TOF system with INFN. A 1 year lapse in data taking provides a target for the reviewers to attack.

Lucien

#2 - 09 August 2011 01:12 - Tunnell, Christopher

- File *CKOV_Material_Budget_jul_20_2011.doc* added

Email:

I have downloaded the MAUS module. Where are the CKOV geometry and material definition files. I can easily fix these. Or I can start with the G4MICE files?

We should use a simple linear slab approximation to start with.

#3 - 13 October 2011 09:11 - Rogers, Chris

- Due date set to 01 January 2012

- Category set to Ckov

Gene, when do you think you will have this? Lucien said it would be done by Christmas, so I think that can be a provisional date...

#4 - 13 October 2011 17:00 - Kafka, Gene

I think Christmas is reasonable. I just started working with new unpacking.

Files

CKOV_Material_Budget_jul_20_2011.doc	341 KB	09 August 2011	Tunnell, Christopher
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