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Subject: Some of LandFirstHits are empty - Neutrons simulation.

Posted by [Dmytro Kresan](#) on Mon, 21 Sep 2015 09:18:20 GMT

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Dear Christiaan,

The answer to your problem with fraction of NeuLAND First Hits being not filled, when performing a neutron simulation.

I have also observed this issue.

The first thing I did - place only NeuLAND geometry inside of cave filled with vacuum. The fraction of empty data was reduced. Obviously, there are scattered neutrons on the way to NeuLAND, which are not considered as primaries.

Second - I made the wrapping volumes also active. This has shown that all FirstHits are recorded.

Explanation: stepping function is called only for active volumes (scintillators), and not for passive ones.

Best regards,

Dima

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