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Subject: Re: Deviation in multi-neutron simulations  
Posted by [Dmytro Kresan](#) on Tue, 24 May 2016 13:53:14 GMT  
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Status at the time of TDR: in order to have an agreement with old LAND experiments, we introduced 0.4 factor scaling to the deposited energy/light per MC particle.

Afterwards, in the simulations of Jan Mayer, we removed this factor, and introduced PMT saturation model together with final QDC resolution of 5%. Maybe Jan can comment on status of agreement of this stage with experimental data.

This is where the differences in deposited energy are coming from.

And picture on the web is just an example, do not take it as quantitative recommendation. If I remember correctly, when I produced it - there was no PMT saturation and no scaling factor.

Best regards,  
Dima

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