
Subject: Re: Implementing Software Alignment into PandaROOT
Posted by [Stefan Pflueger](#) on Mon, 27 Nov 2017 15:10:35 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi all,

I have been discussing the alignment study issue a bit on the ROOT forum.

<https://root-forum.cern.ch/t/howto-do-alignment-studies-with-tgeo-howto-handle-overlaps/26918>

There were two ways to perform the mis-alignment studies:

Actually mis-align the geometry in the simulation: Pros: easy to handle and realistic. Cons: overlaps in the volumes Mis-alignment of the Digis/Hits/Clusters. Pros: No overlap issue. Cons: Concept of hits vanishing and appearing on different sensors with the mis-alignment cannot be implemented (or its quite complicated). Hence not as realistic

The Alice collaboration has chosen option 1., which also Andrei suggested as a preferred solution.

The biggest task here would be to study the overlaps in detail.

Best regards,
Stefan
