
Subject: Re: Data Structure of GeoTracks/MCTracks
Posted by [Dmytro Kresan](#) on Tue, 14 Feb 2017 06:25:55 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hello Paulina,

GeoTracks: they are stored in order to draw the trajectories in the event display. This structure does not contain hierarchy information. It is a full trajectory, so end of it is either inside of cave, if particle was stopped (disappeared), or at the edge of the cave if particle leaves it. Normally, we do not use the GeoTracks to analyse simulated data quantitatively.

MCTracks: Contain mother / daughter information and vertex (start) position and momentum. Also PDG code. If you have a track, GetMotherId() method will give you index of the parent track in the same array. So you can access it directly by this index and there is no need for unique id. If mother id is -1 - it is a primary track.

Hope this helps. Best regards,
Dima
