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Subject: Fitters and hyperons

Posted by [Karin Schönning](#) on Fri, 10 Mar 2017 12:36:23 GMT

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Dear Ralph et al.,

regarding vertex fitters, tree fitters and 4C fitters: which fitters assume outgoing tracks being helices? If I understood correctly:

- 1) The vertex fit assumes two outgoing helix trajectories
- 2) The tree fitter should treat both neutral and charged tracks but one needs to fix the masses of the intermediate states
- 3) The 4C fit assumes helices coming from the interaction point and should therefore not be used in any hyperon channel

Is this correct?

Kindest regards,  
/Karin

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