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Subject: Multiple input files / trees

Posted by [Volker Frieze](#) on Thu, 22 Mar 2012 09:59:01 GMT

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I would like to ask about the status of a topic that was discussed some time ago, concerning the possibility to have two (or more) input files of the same data level (the same branches) for a reconstruction run.

The concrete example is in our case to use two files with MC (transport) data and merge them before digitisation. A typical use case for us is to overlay background events (e.g. from UrQMD with some thousand tracks) with signal events (e.g. a J/psi decay with only two daughter tracks). Transporting UrQMD is very CPU and time expensive, while the transport of signals is not. So, one would like to re-use the same transported UrQMD events as background for different signals.

This demand can be generalised to using multiple files with the same branches at any stage of the reconstruction.

I recall that some years ago, Denis made some attempts to solve this, but I think there were major difficulties, and the issue was dropped eventually.

Are there plans to take this issue up again on the framework level? Or is the feature already solved without my being aware?

Best regards,

Volker