

Status Report

KiSoo Lee

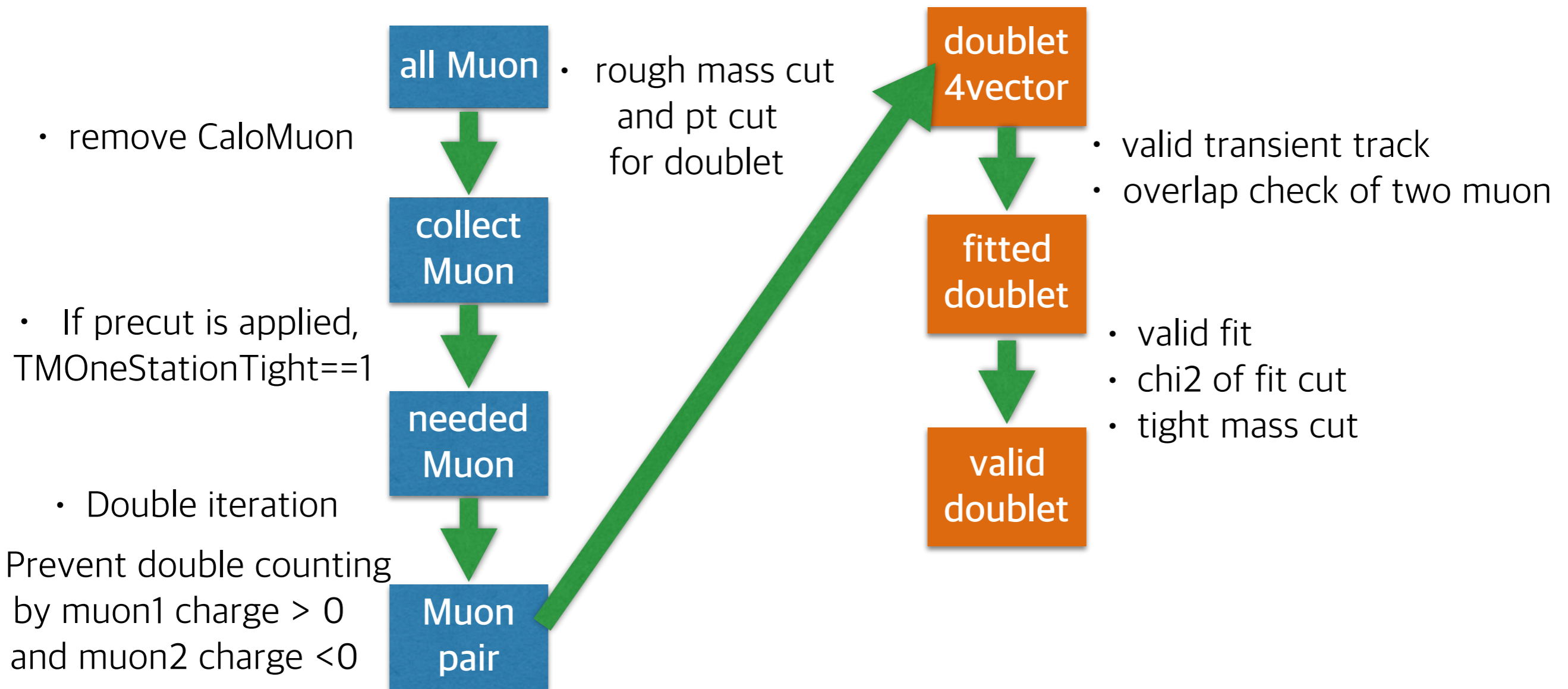
STARLIGHT Integration

- STARLIGHT: Generator package to make UPC events
- Need to be integrated in CMSSW as PYTHIA
- 3 steps are needed to integrate package to CMSSW
 - 1. Source file upload(Done)
 - 2. Source file modification and spec file making(On going)
 - 3. Generator interface making(To do)

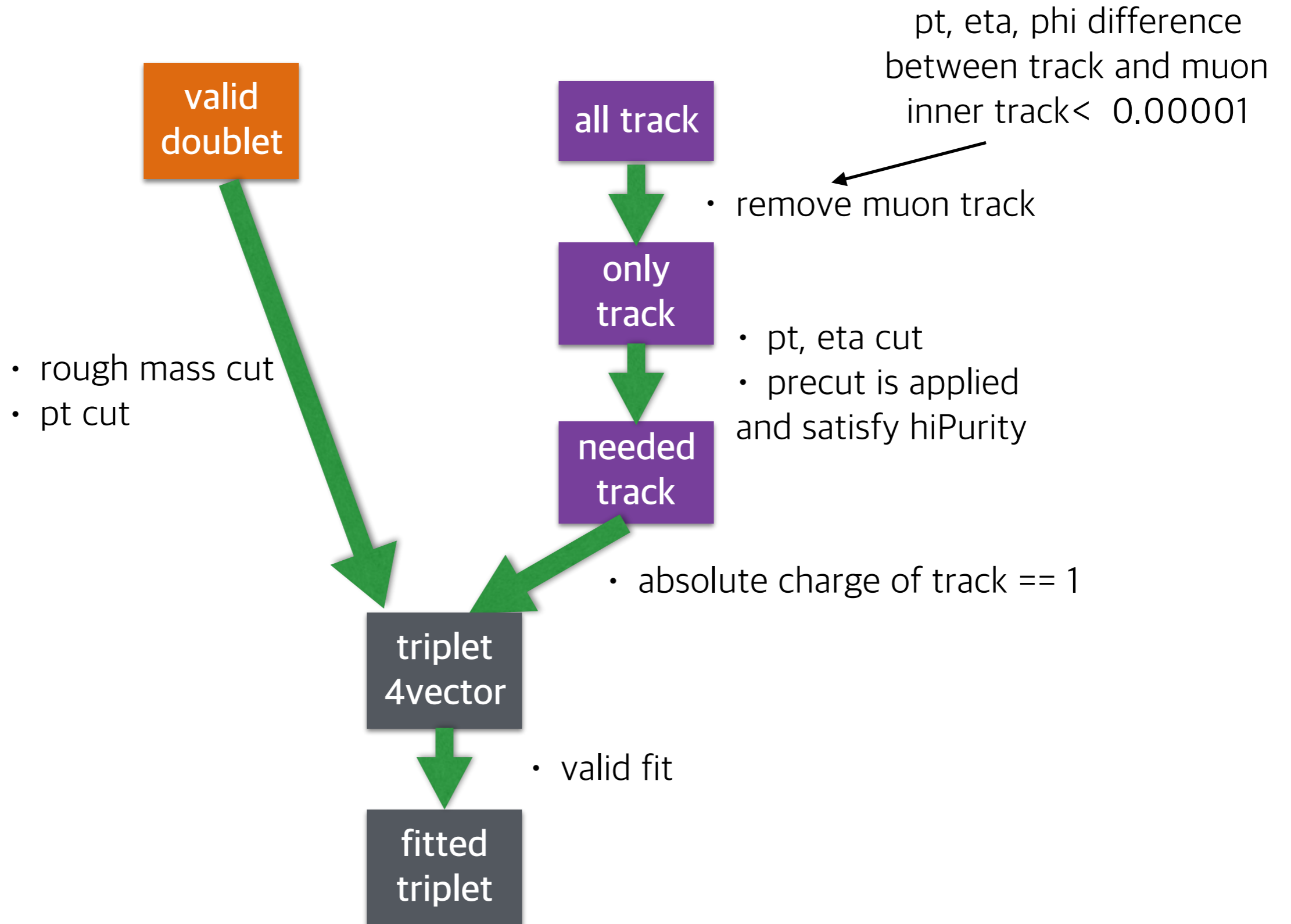
Preparation of B analysis

- Study structure of Bfinder for PbPb
- Implement crucial cuts to Onia analyzer

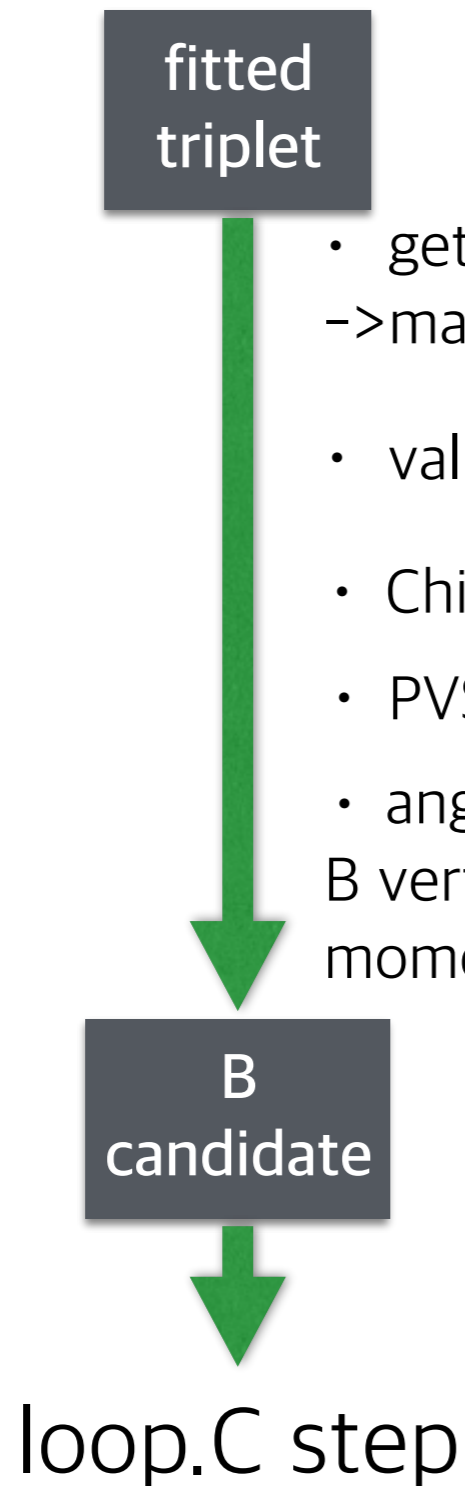
Find J/psi candidate



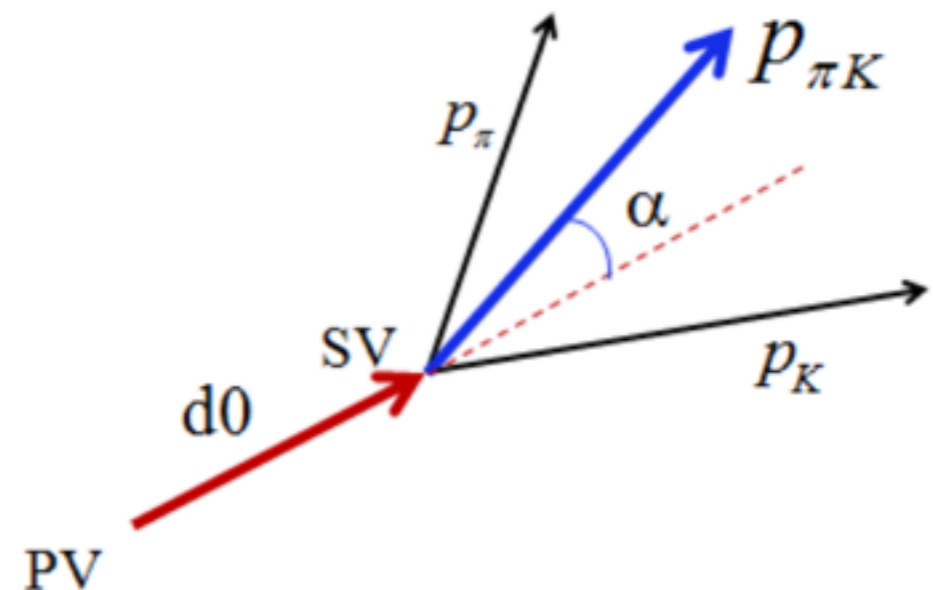
Make triplet



Make B candidate

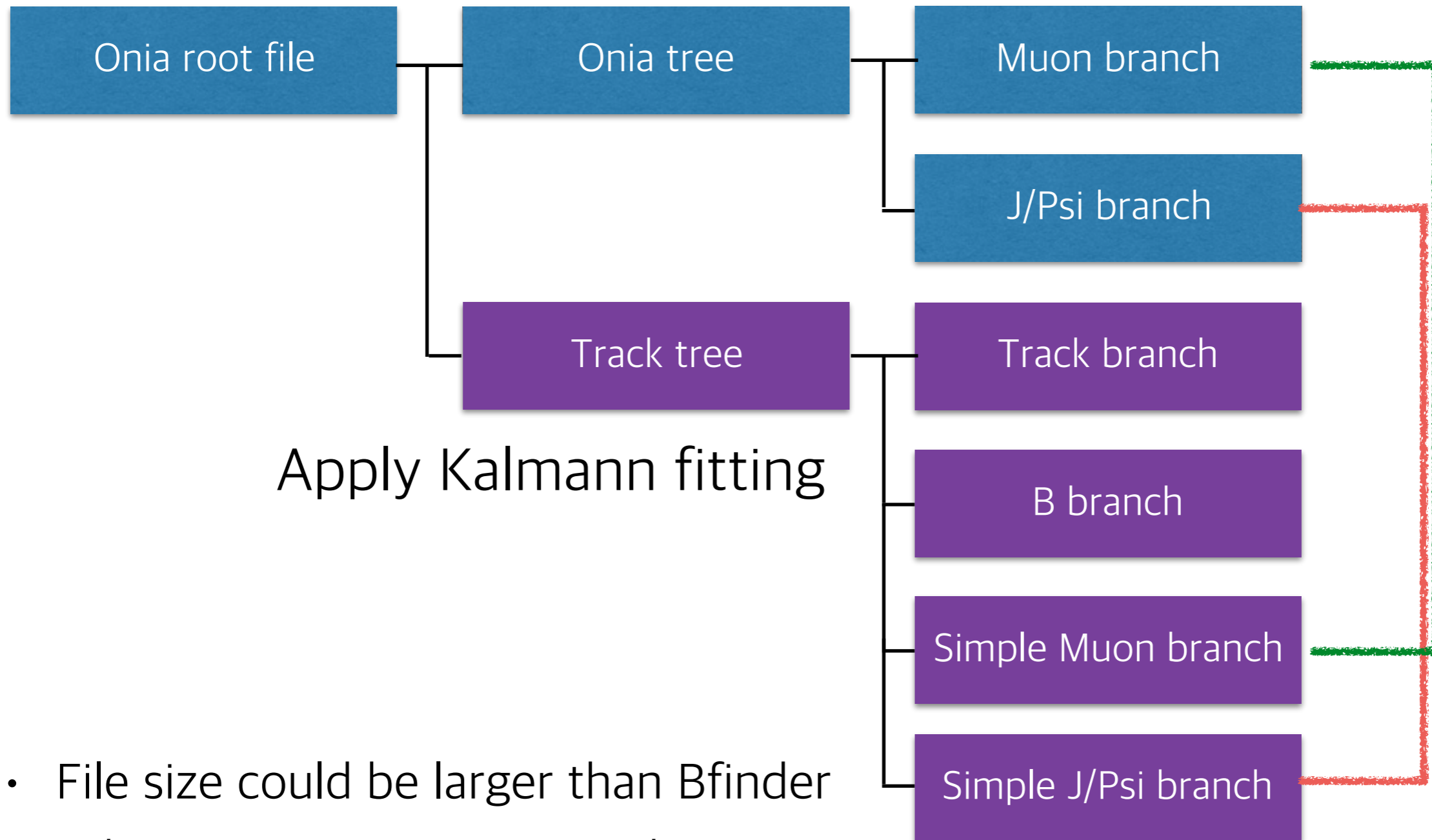


- get minimum distance among components
->maximum of minimum distance < DocaCut
- valid J/Psi constrained vertex
- Chi2 probability of B
- PVSVDist/PVSVDistErr cut
- angle between vector of B vertex and PV and momentum of triplet



New strategy for Onia analyzer

Store muon J/Psi cut as flag



Apply Kalmann fitting

- File size could be larger than Bfinder
- Advantage to use more track information for further study

back up