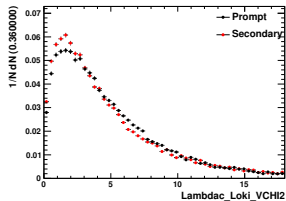


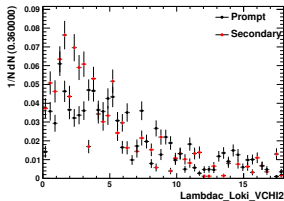
Prompt-sec control vars

- To recap: new branching fractions are... bad.
- Plots of proton $\eta - p$ distributions indicative of some absorption of the secondary component by the prompt in the CS channels.
- CF looked sensible.
- Check other control variables, give per-mode comparisons.
- Hypotheses - are the CF control variables sensible? Are there structures in the CS modes?
- Use sWeights from the 2D fits to extract the prompt and secondary distributions for the control vars.
- In subsequent slides - comparison of a given variable for the three unblinded modes, with linear scale top, log scale bottom.

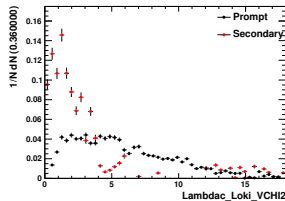
Λ_c^+ vertex χ^2



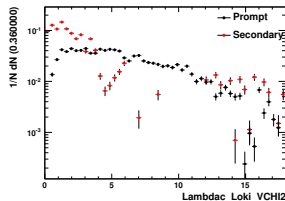
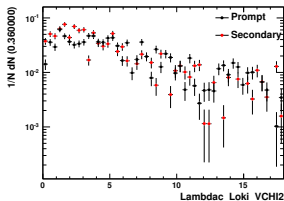
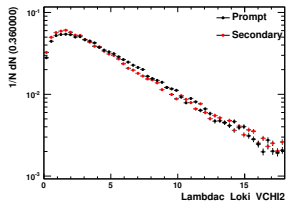
$$\Lambda_c^+ \rightarrow pK^- \pi^+$$

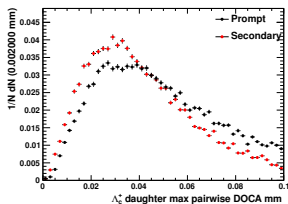


$$\Lambda_c^+ \rightarrow pK^- K^+$$

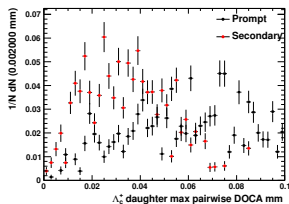


$$\Lambda_c^+ \rightarrow p\pi^- \pi^+$$

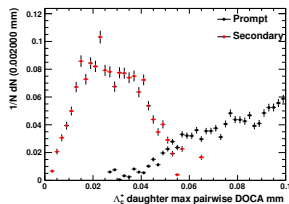




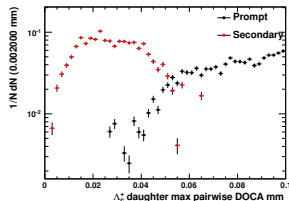
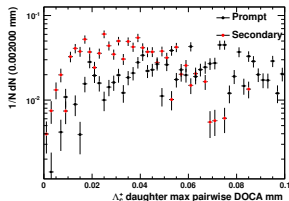
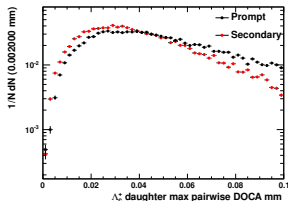
$$\Lambda_c^+ \rightarrow pK^- \pi^+$$

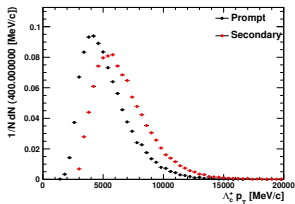


$$\Lambda_c^+ \rightarrow pK^- K^+$$

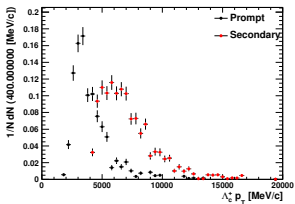


$$\Lambda_c^+ \rightarrow p\pi^- \pi^+$$

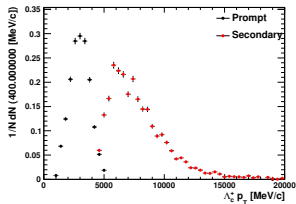




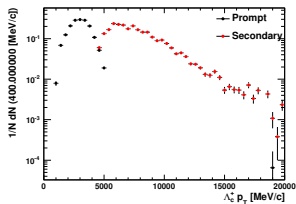
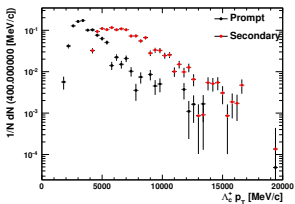
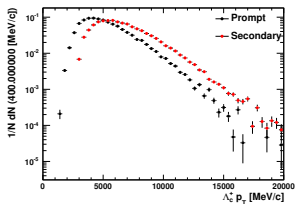
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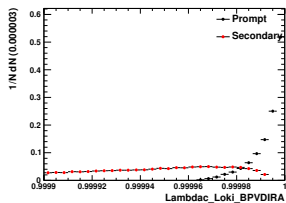


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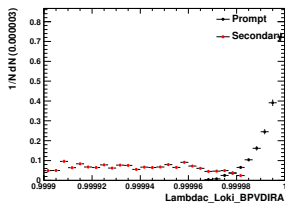


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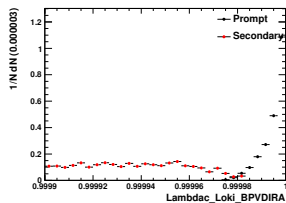




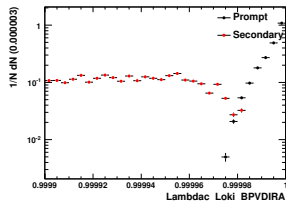
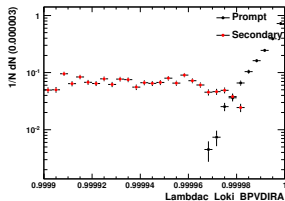
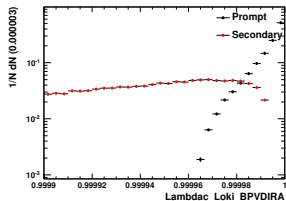
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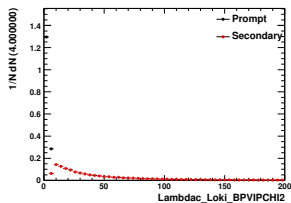


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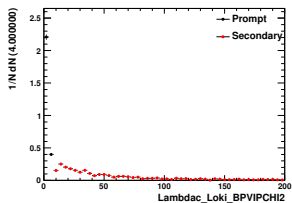


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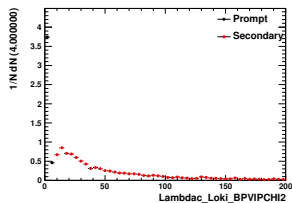




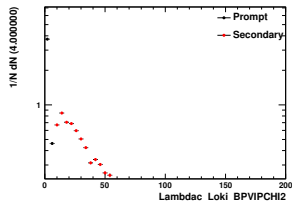
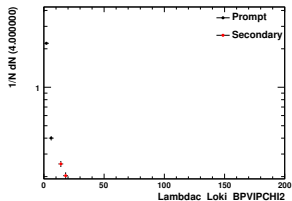
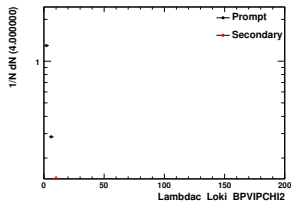
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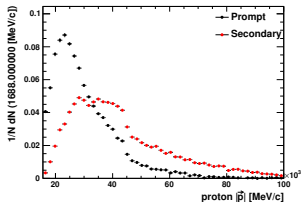


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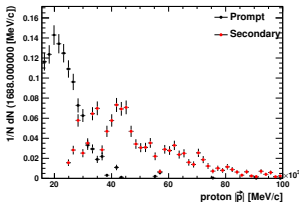


$$\Lambda_c^+ \rightarrow p\pi^- \pi^+$$

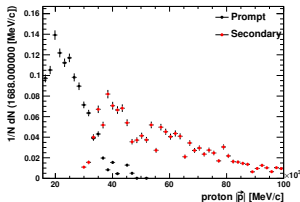




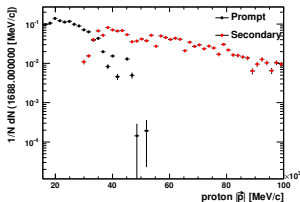
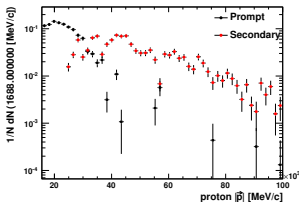
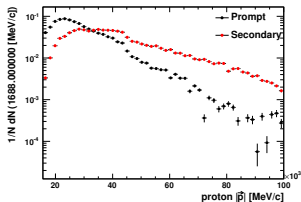
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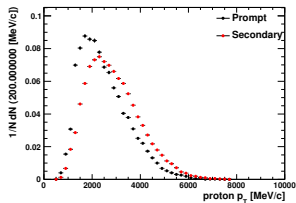


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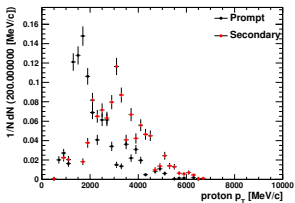


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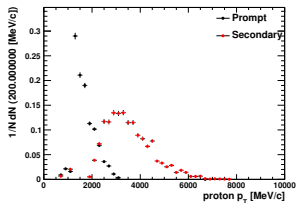




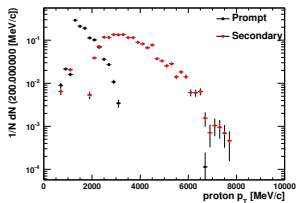
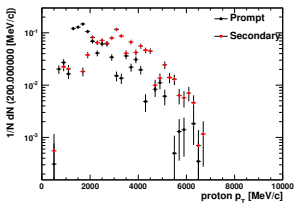
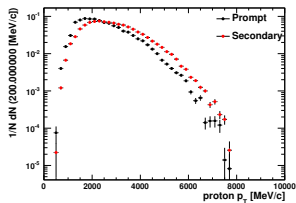
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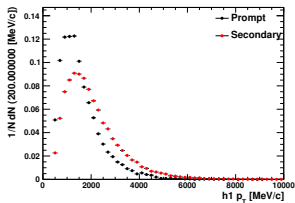


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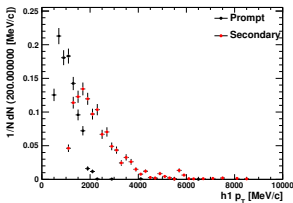


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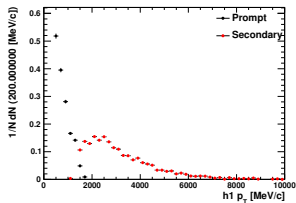




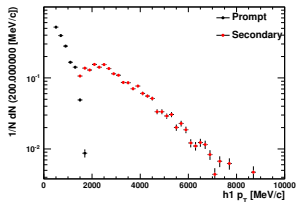
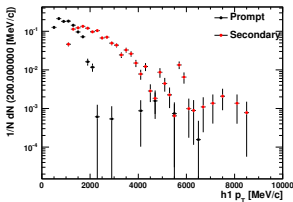
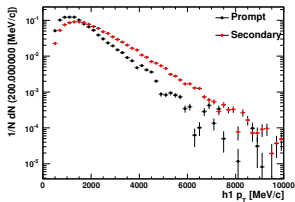
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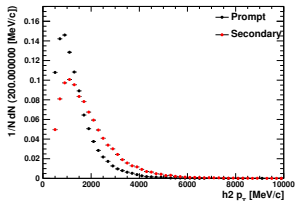


$$\Lambda_c^+ \rightarrow pK^- K^+$$

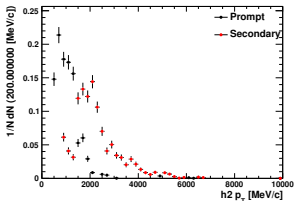


$$\Lambda_c^+ \rightarrow p\pi^- \pi^+$$

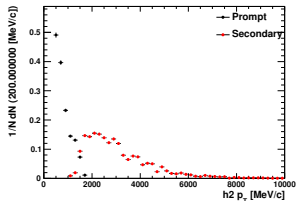




$$\Lambda_c^+ \rightarrow pK^- \pi^+$$



$$\Lambda_c^+ \rightarrow pK^- K^+$$



$$\Lambda_c^+ \rightarrow p\pi^- \pi^+$$

