

Software status

S. Margetis

MIT - July 9, 2009

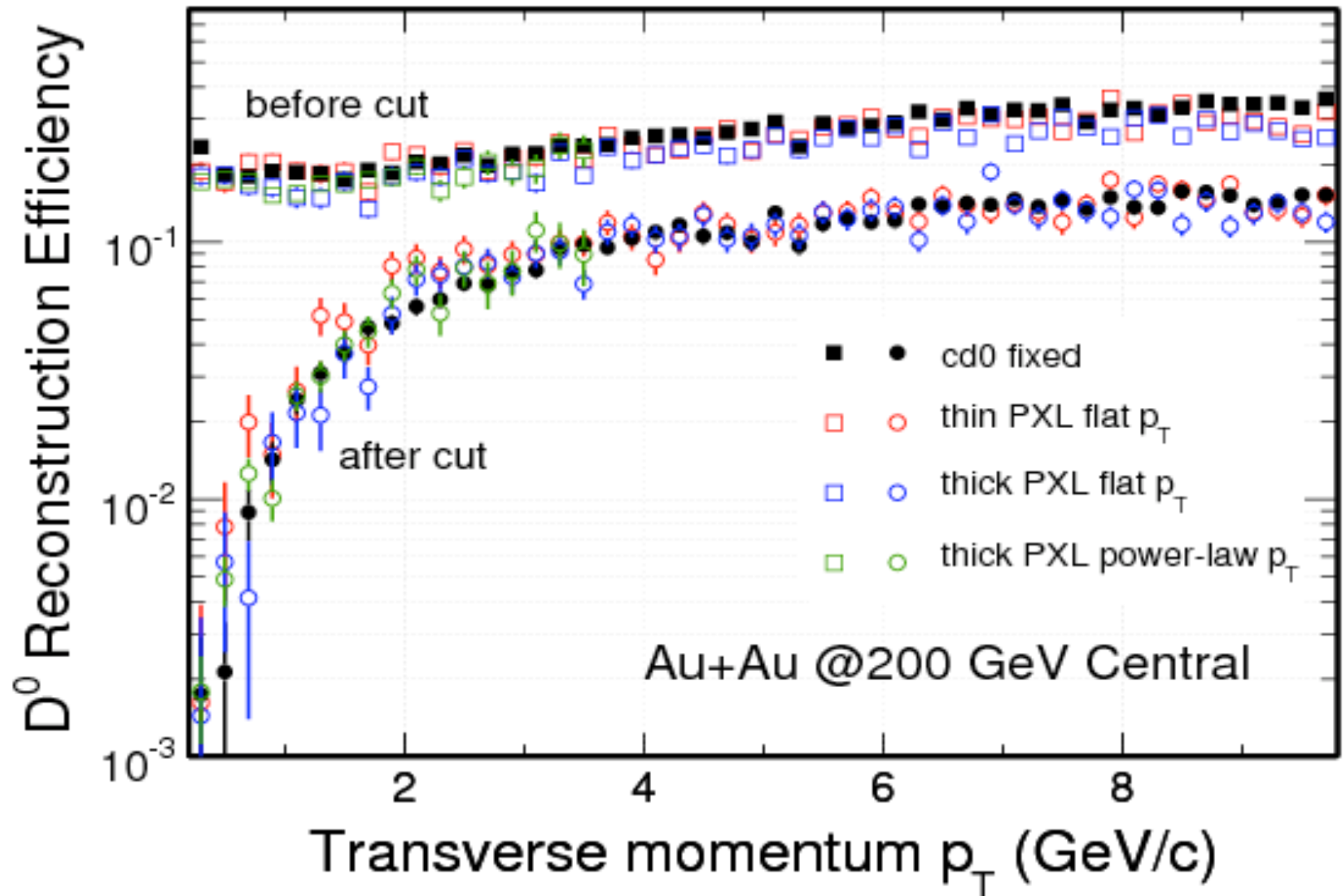
CDR/CD1 plans

- We do have D^+ , D_s and Λ_c particle embedded in our 10K production
 - Jonathan started on D^+ . Prague is interested too
 - UCLA expressed interest for the D_s
 - Λ_c have to be done in UPGR15 for the CDR/CD1
 - B-meson work is not clear to me right now

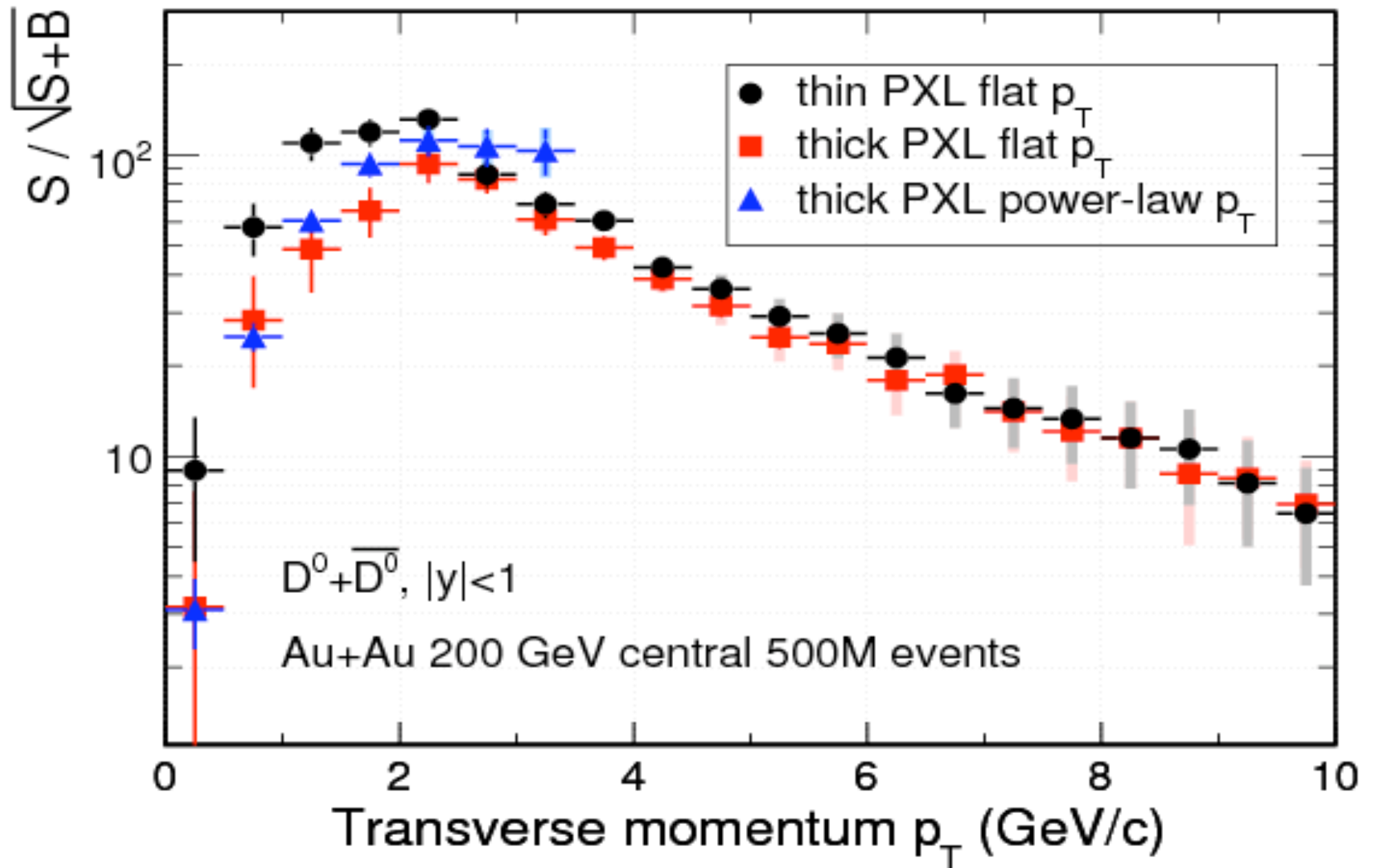
Slide shown at LBL meeting 5/09. Things changed since

- We have finished two more productions
 - Low pt D0 and B-mesons
 - But their analysis is still pending (mainly waiting for this meeting to finish)
- But...we are revisiting the B-meson question
 - With new simulations
 - With e-trigger for realistic rate estimates
 - With the intent to have at the same quality as the D0
- So, I can only tell you how things are going to look like

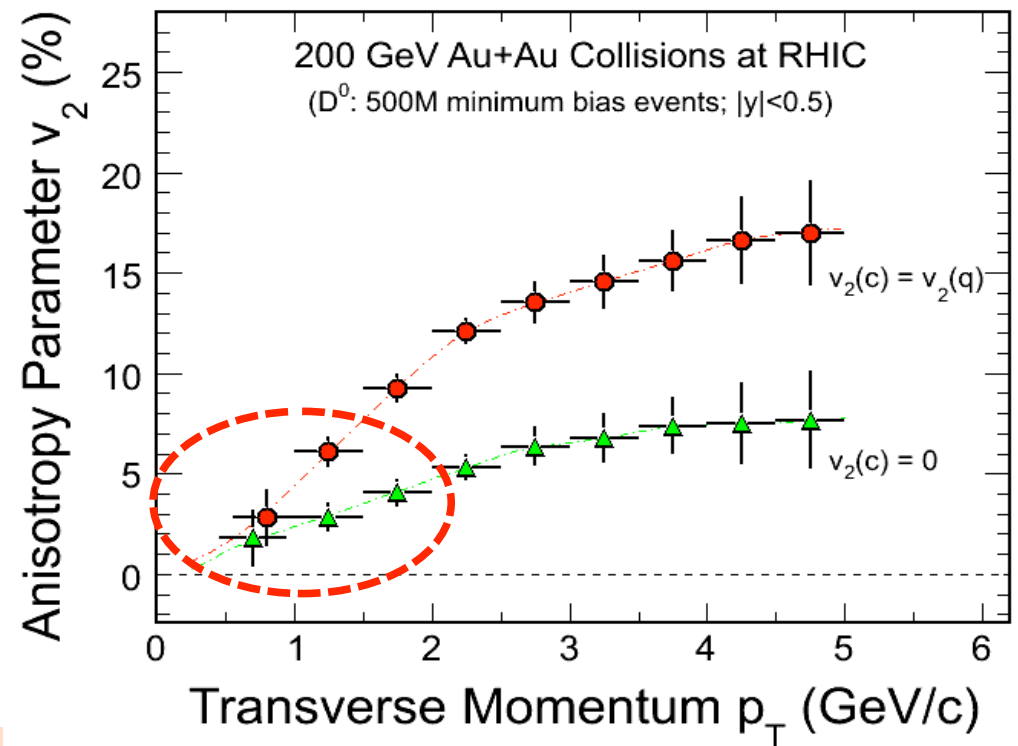
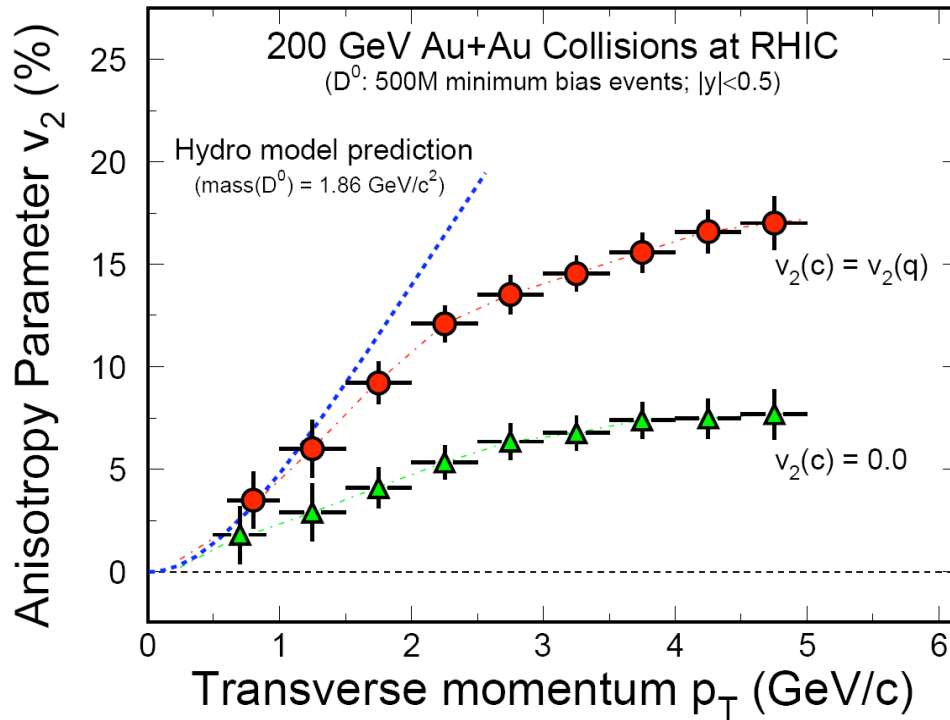
Low pt – just came in



Low p_T – just came in



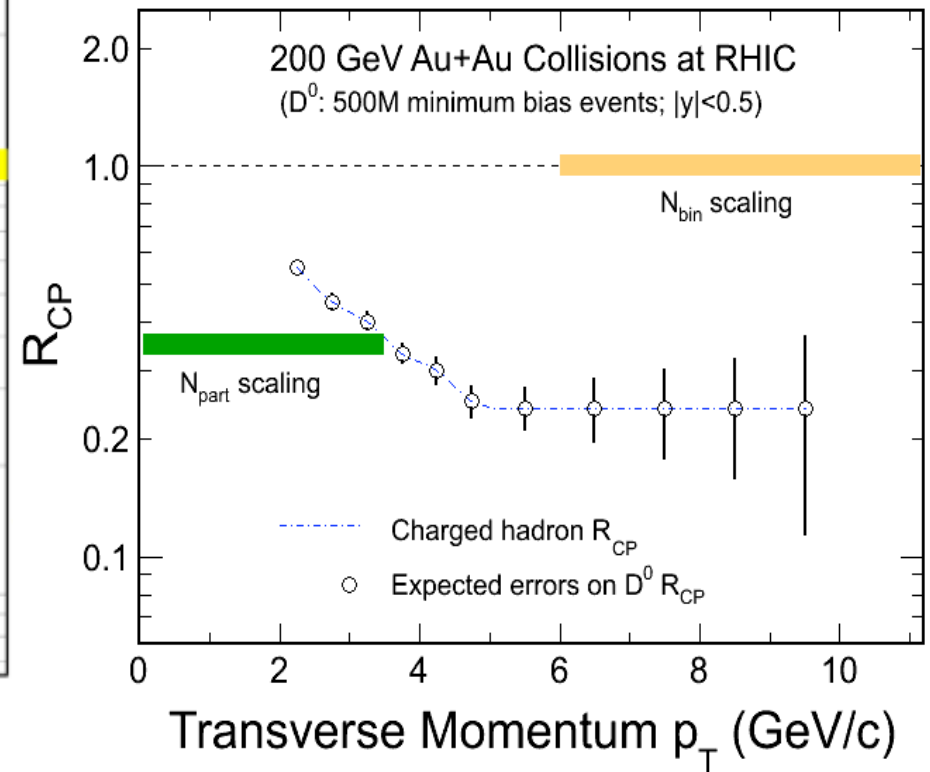
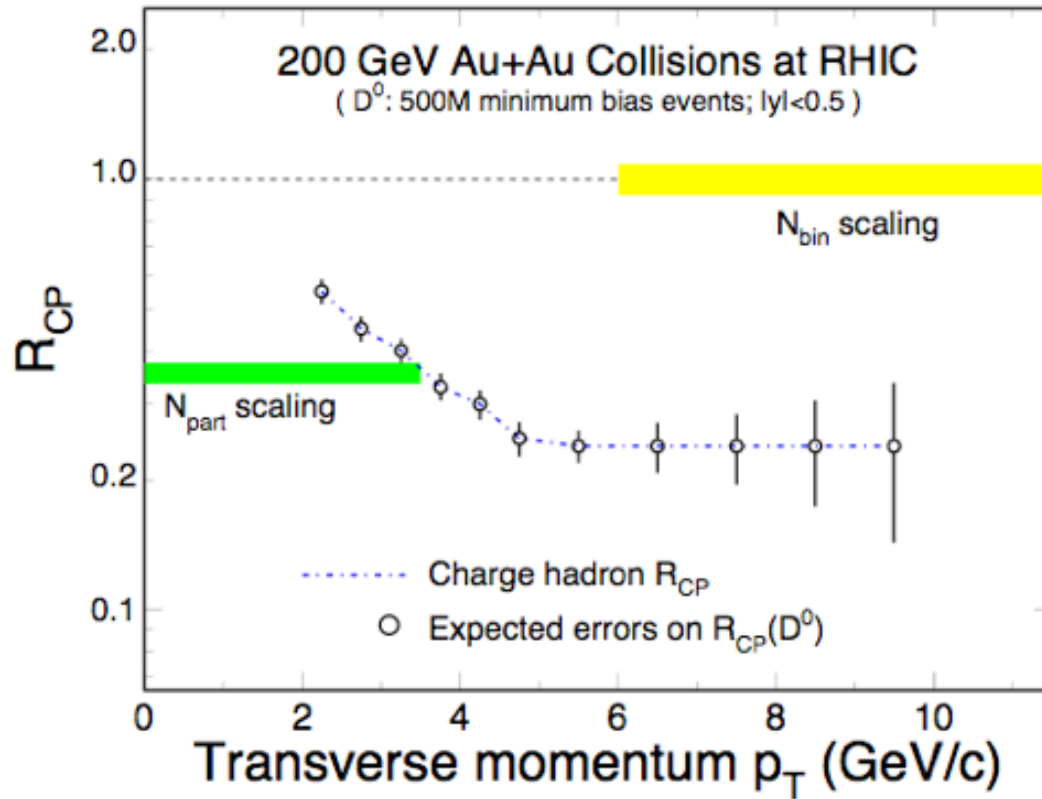
CDR Fig-1



CD0-review

CD0-Response

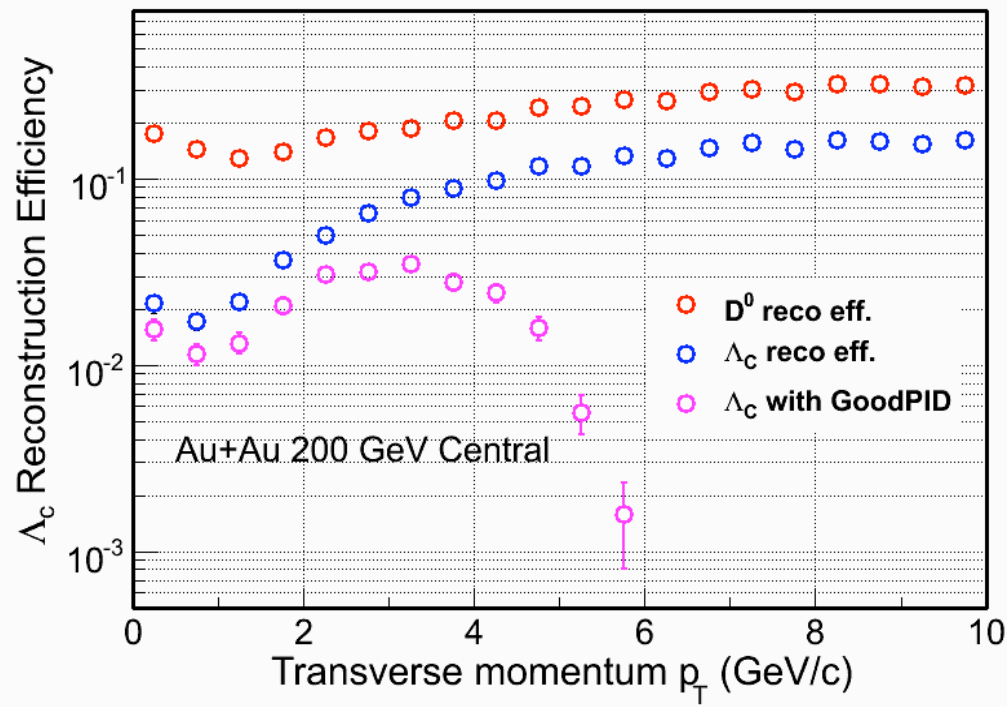
Fig-2



OLD

NEW

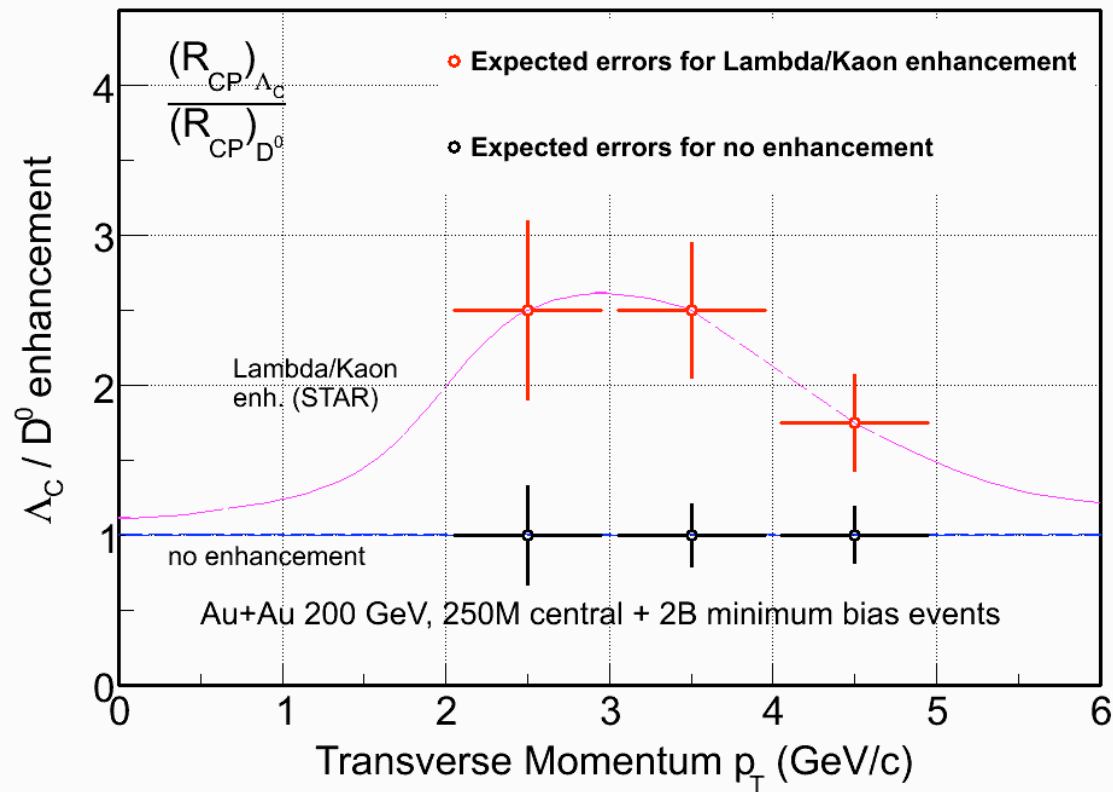
Fig-4



OLD

NEW

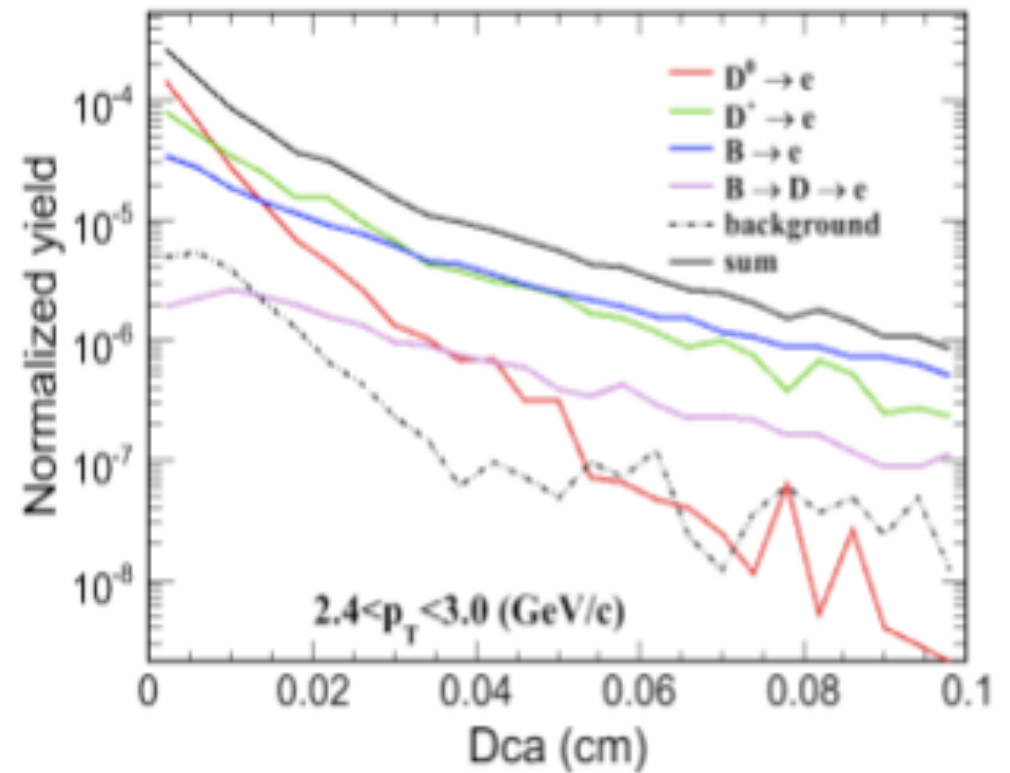
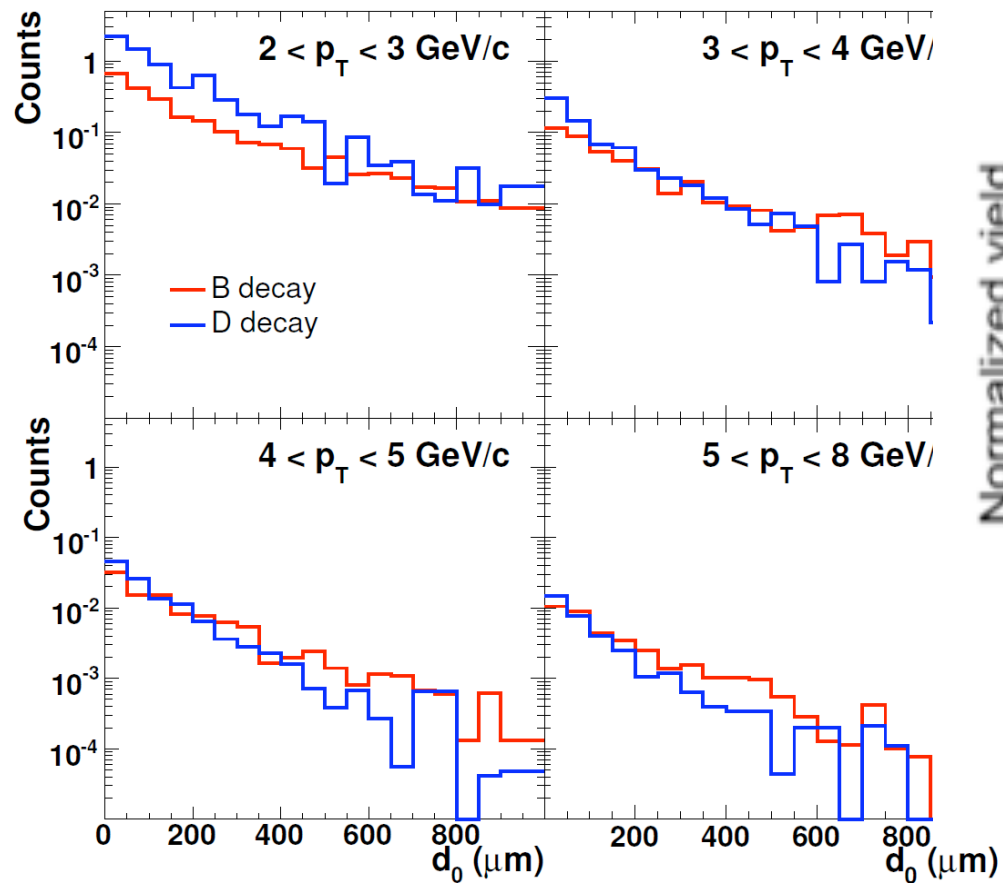
Fig-6



OLD

NEW

Fig-7



OLD

NEW

Fig-? NEW

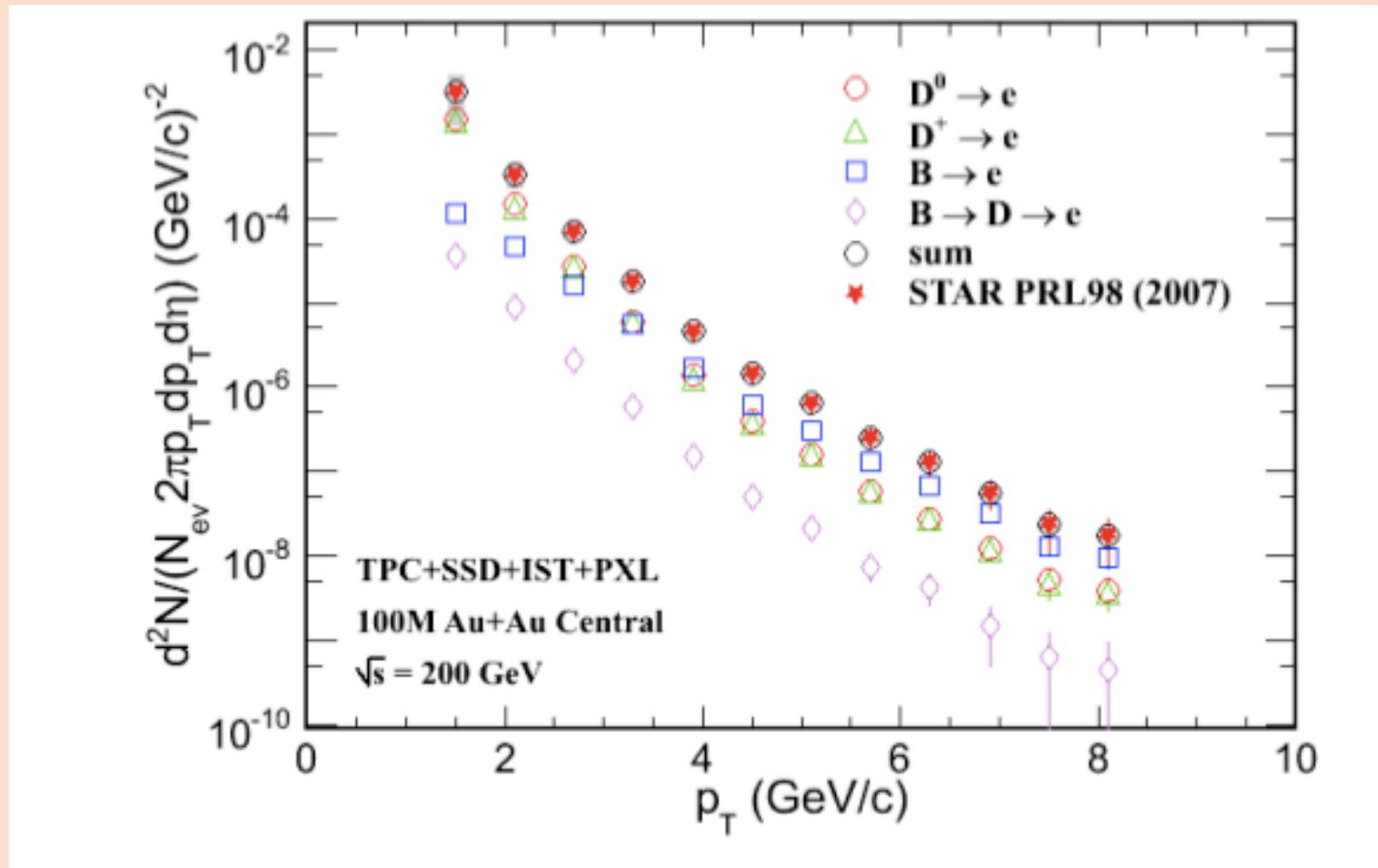


Fig-? NEW

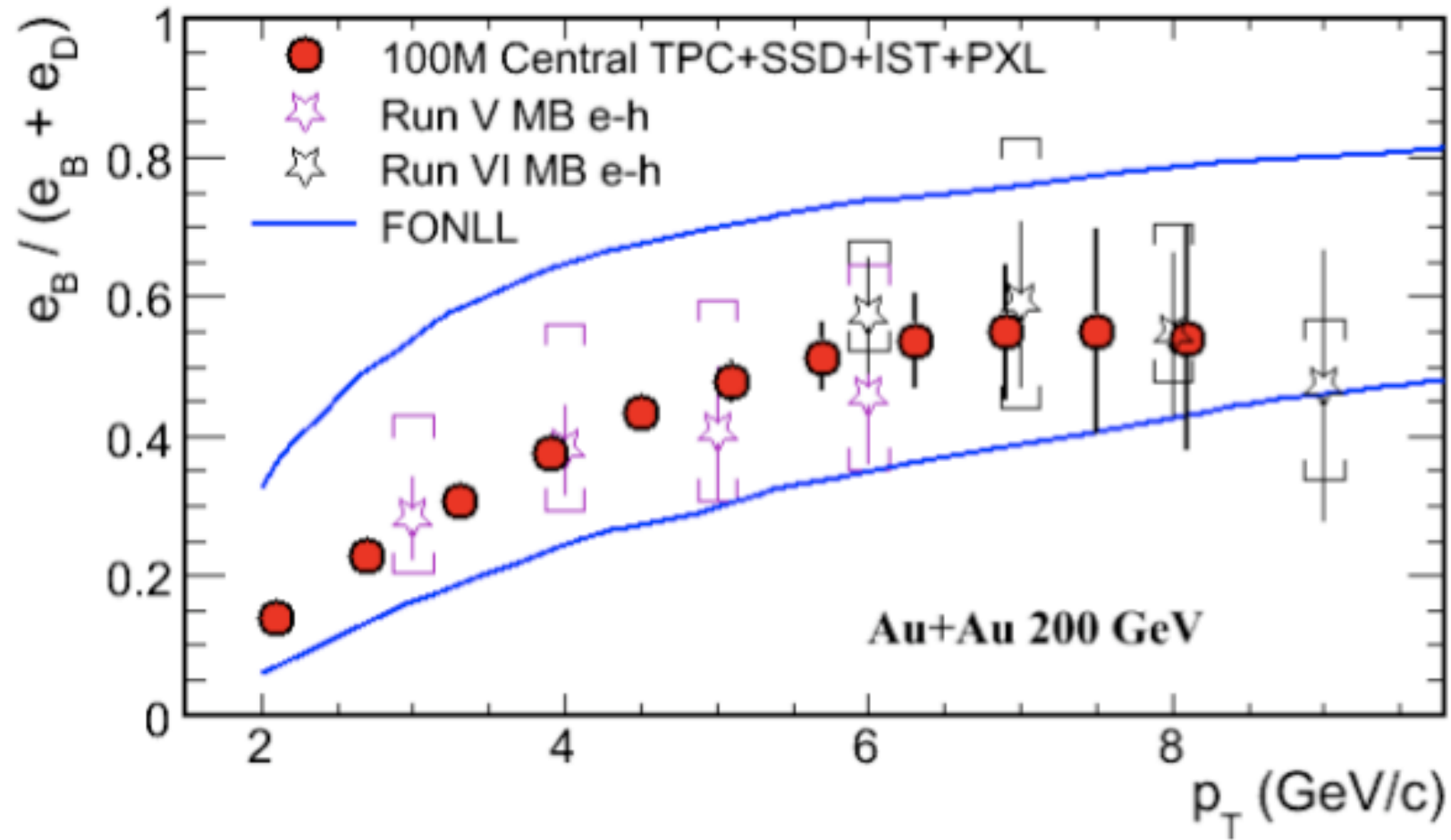
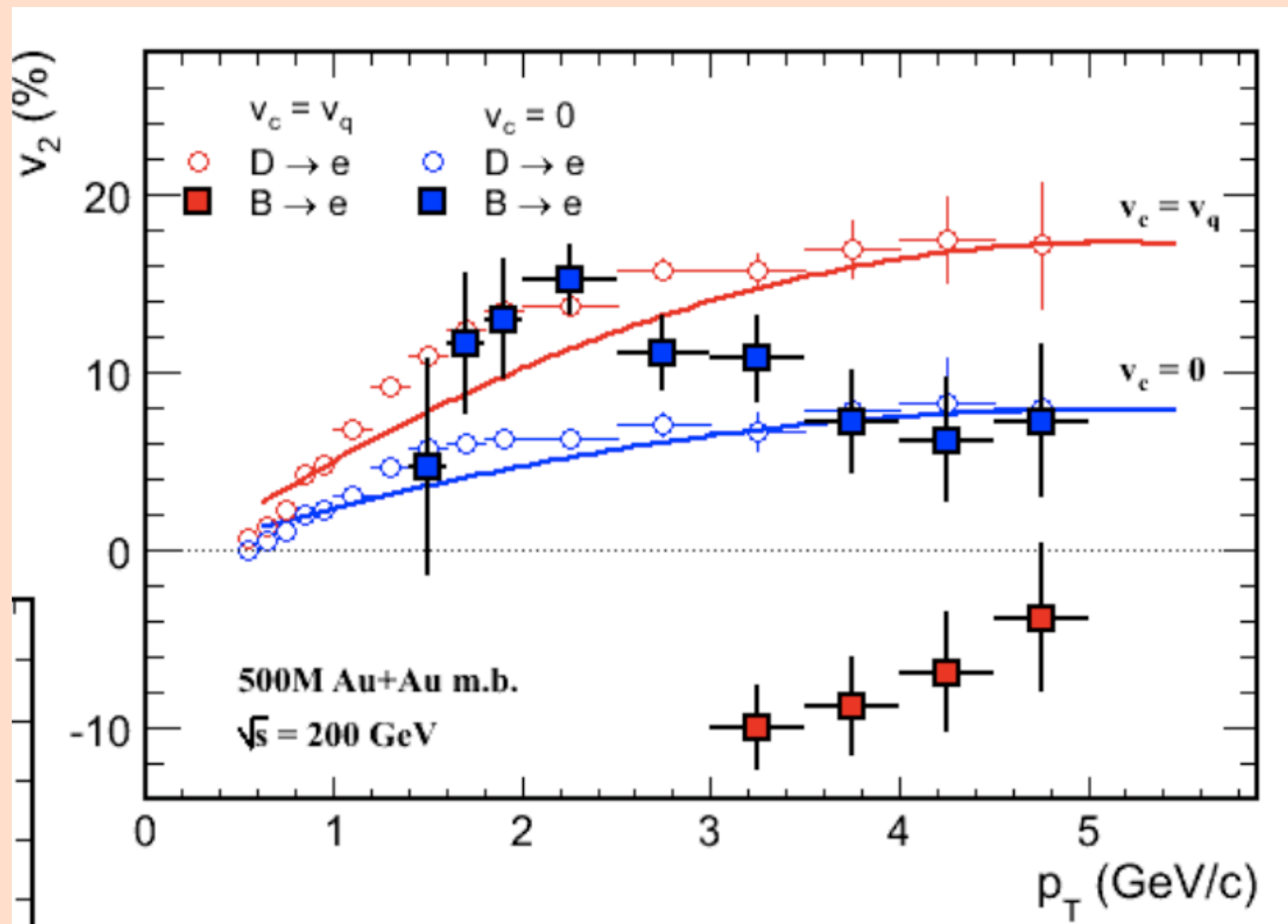


Fig-? NEW



- B- \rightarrow J/Psi is going to be completely re-worked. Current discussion in CDR doesn't really belong there.
 - I expect to replace all figures and more than 80% of the associated discussion

- We also expect to have some initial results on D_S and $D+$ for CD1
 - It really depends on exactly when it is going to take place

A CDR is something that stays there for a long time. We (the software people) will try not to oversell the device's capabilities