

Weekly Summary

Jpsi analysis

Status

- reference channel cross check:
 - done
 - consistent with previous results.
- yield of invisible events still not consistent between 2012 and 2009 data samples, reason not clear yet.
 - plan to show the 2012 results in updated memo
 - collect suggestions from referees

Plan

- update memo and release to the referee
- schedule: within one week.
- submit the related scripts to github.com

Mumu channel yield

	Mine	In Memo	note
12 data yield	2240132	2222088	
12 <u>eff</u> %	31.76	31.44	
<u>N</u> _{signal} = yield/ <u>eff</u>	7053312	7067709	Diff (memo - mine)/mine = 0.2%
09 data yield	715584	714438 +- 693	693 less than $\sqrt{714438}$ 845

chicJ analysis

• Status

- trigger efficiency has been studied
 - signal events having two neutral showers could be triggered, when the deposit energy in EMC is large enough.
- background study
 - MDC information introduced, to veto showers produced by incident charged particles
- Two reports have been given publicly by Suyu
 - NPG meeting
 - Collaboration meeting (<https://github.com/besiii/chic2invi/pull/18>)

• Plan

- reply comments from Collaboration meeting
- join Bi Xiaojun's group meeting
 - give a report
 - discuss theory of dark sector

Eta_c inv. decay

- preSelection is done
- plan
 - run related samples
 - prepare analysis scripts
 - submit the first version to github.com

THANKS