

LCFIPlus status report

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20180302

No conclusion yet ...

Comparison (possible) targets

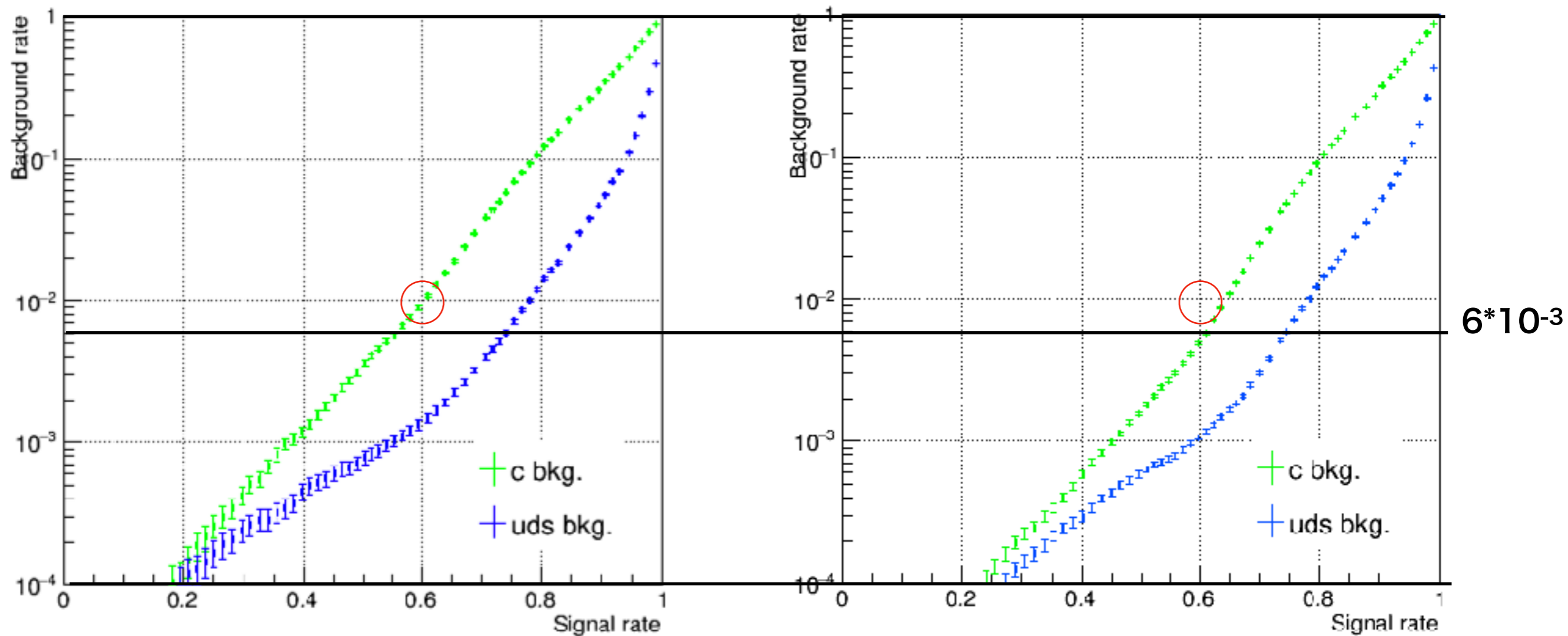
		software version for flavour tagging	
		v01-16 (DBD)	v01-19-05
input sample	vertexing by v01-16	vertex16-flavourtag16 (reference paper)	vertex16-flavourtag19
	vertexing by v01-19-05	vertex19-flavourtag16	vertex19-flavourtag19

Findings

- Similar results between vertex16-flavourtag16 and vertex16-flavourtag19
- Some difference between vertex16-flavourtag19 and vertex19-flavourtag19
(next two pages)

Used same software(v01-19-05), but different input samples.

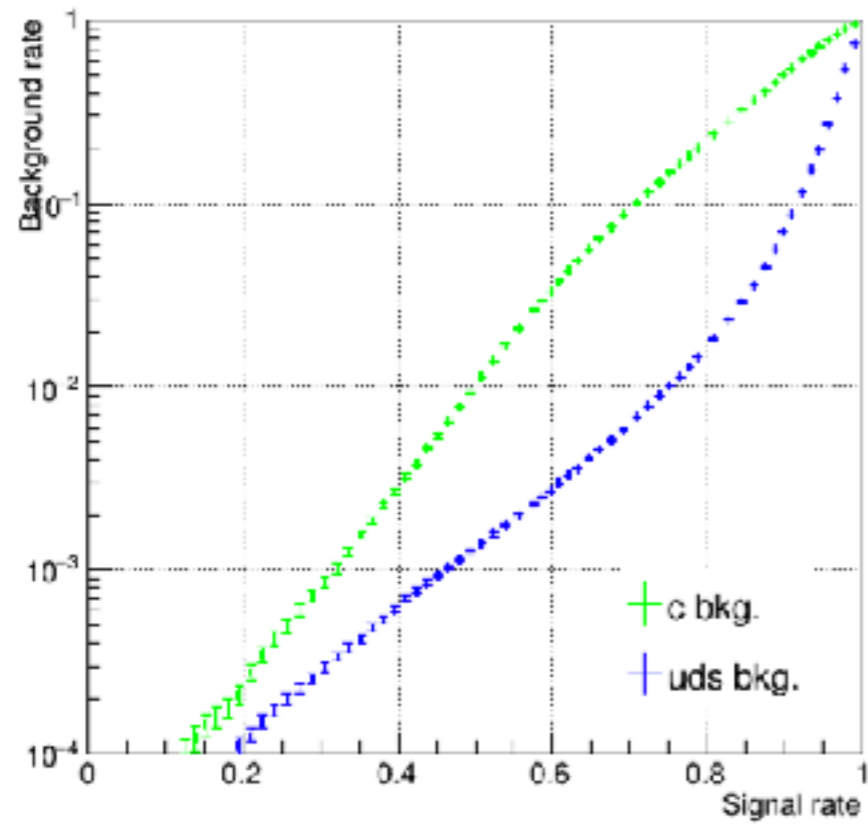
Both are retrained to make fair comparison.



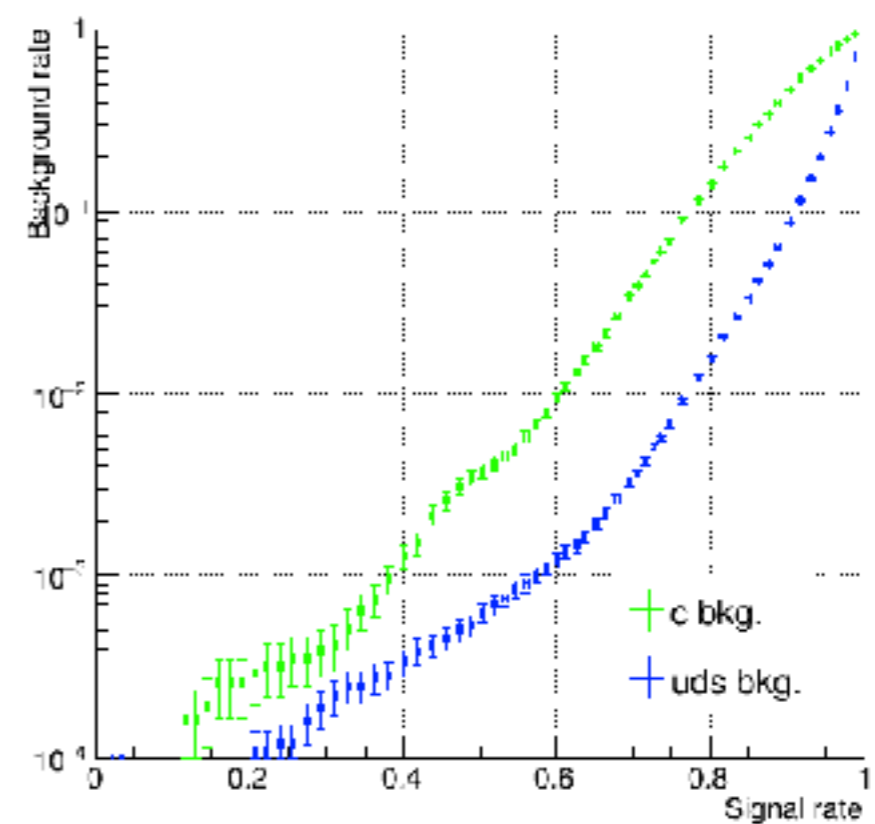
I5_91.2GeV_wo_beambkg

DBD_91.2GeV_wo_beambkg

UseBeamJets=0



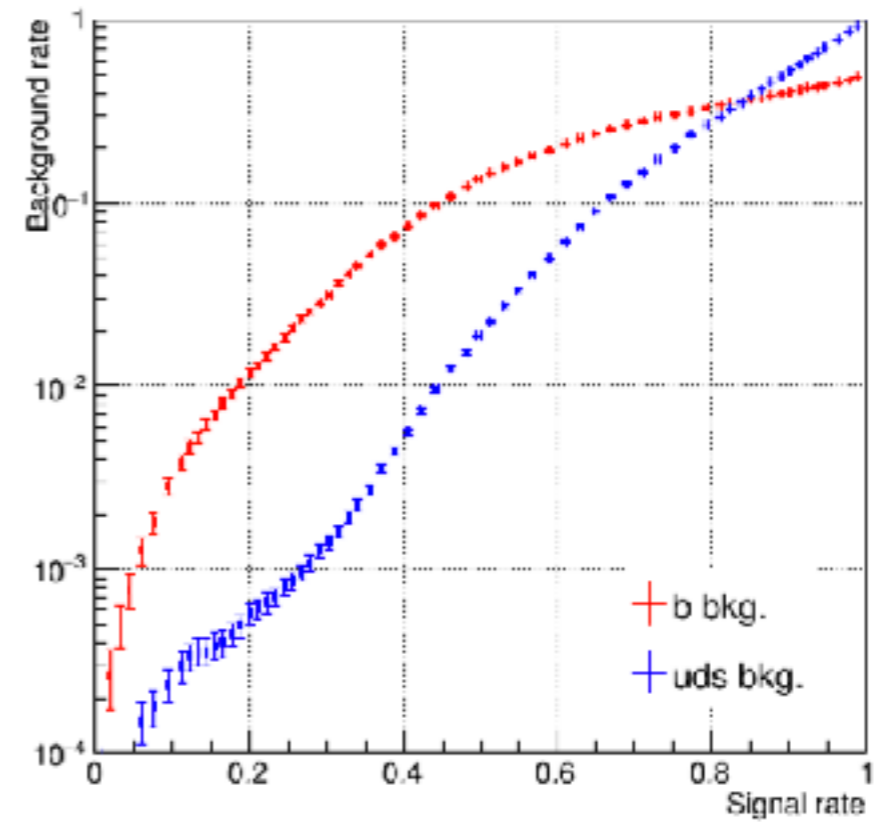
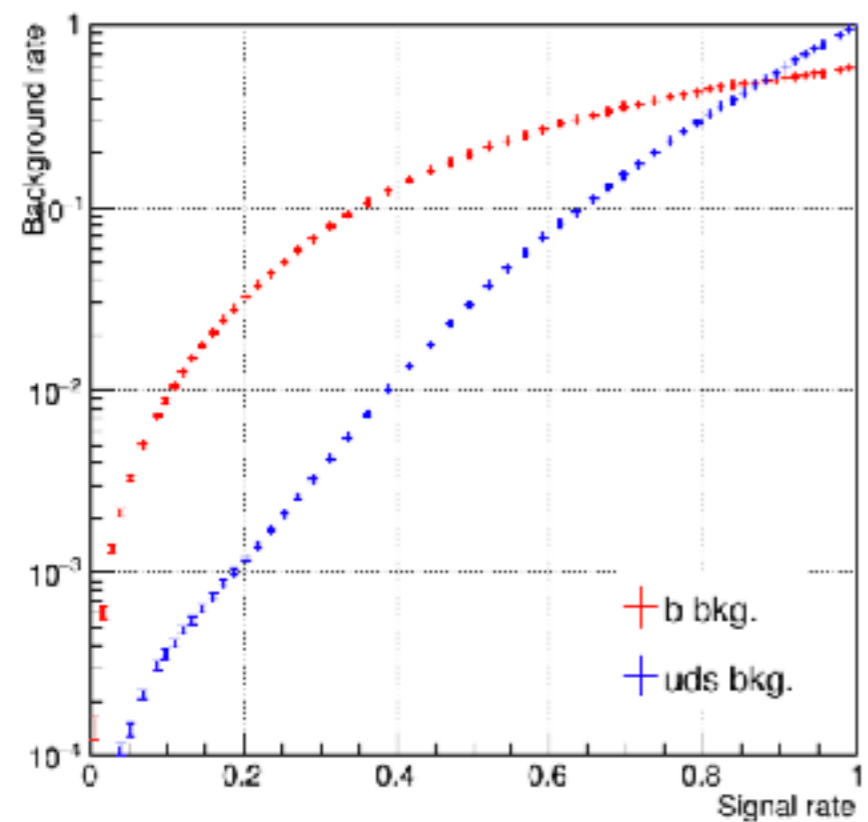
UseBeamJets=0



v01-19-05 used for both

15_500GeV_w_beambkg

DBD_500GeV_w_beambkg



We are still checking input variables for training for flavour tagging.

We see some clear difference in vertex mass, which could affect b/c separation, but we have not yet found why this happens.

