

Report from Jets & HF working group

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Jets & HF contribution

4.2.5 Jet Reconstruction and Calibration

4.2.5.1 Jet Energy Scale and Resolution - waiting for updated figures on JES and JER as well as a few new performance figures (angular resolution, jet finding efficiency, etc)

4.4.4 Hard Probes

4.4.4.1 Heavy Flavor reconstruction - Done

4.4.4.2 Displaced vertex resolution and tracking - Done (update with Oct. campaign)

4.4.4.3 Detector Impact on Key Heavy Flavor Physics Measurements - Done (update with Oct. campaign)

4.4.4.4 Influence of beam on Background on Heavy Flavour measurements - waiting for samples

4.4.4.5 Jets as a Hard Probe - Done

4.4.4.6 Detector Impact on Key Jet Physics Measurements - wait for updated figures on jet ReAu and hadron-in-jet Collins

4.4.4.7 Influence of beam on Background on Jet measurements - waiting for samples

Simulation status

Simulation sample	With bkg?	Priority	Status
ep, 10x100, D0	Yes	1	
ep, 10x100, D0	No	1	25.10.3
ep, 10x100, DIS	Yes	1	
ep, 10x100, DIS	No	1	25.10.0
eAu, 10x100, D0	No	1	25.10.3
eAu, 10x100, DIS	No	1	25.10.2
ep, 18x275, dijets	No	1	
ep, 18x275, D0	Yes	2	
ep, 18x275, D0	No	2	25.10.3
ep, 10x100, Lc	No	3	
eAu, 10x100, Lc	No	3	25.10.3