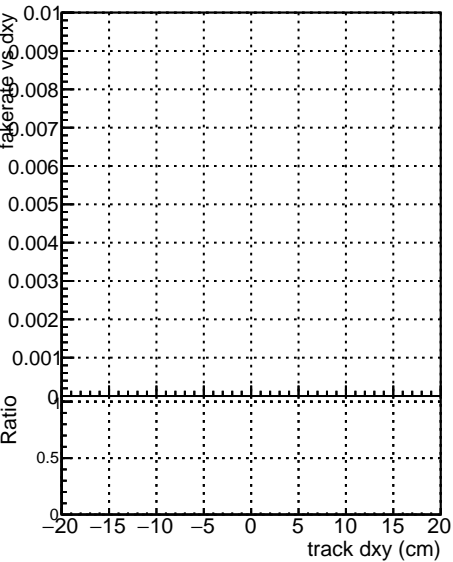
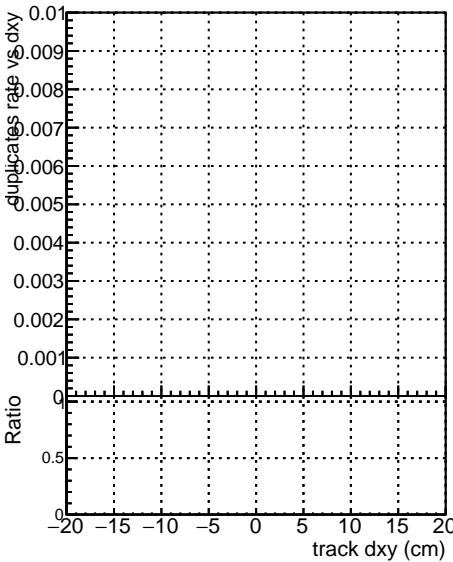
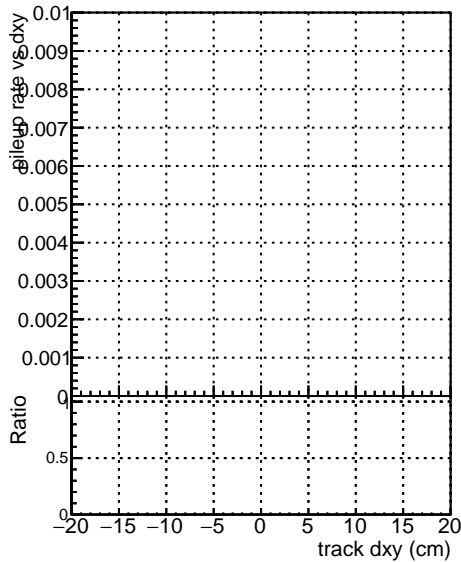
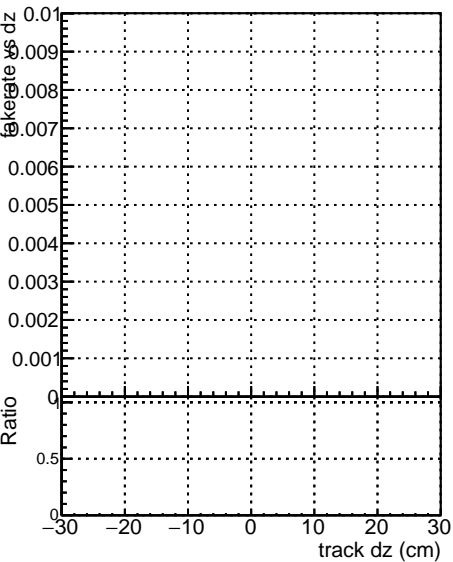
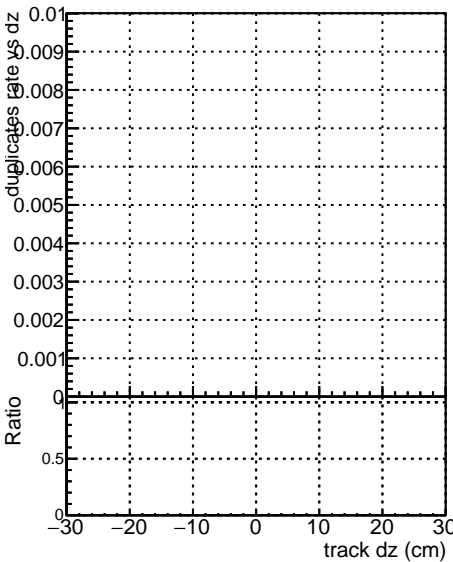
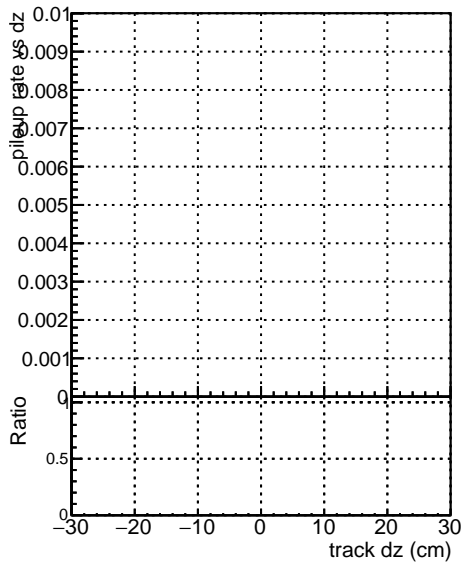


Fake rate vs dxy**Duplicates Rate vs Dxy****Pileup rate vs dxy****Fake rate vs dz****Duplicates Rate vs Dzy****Pileup rate vs dzy**

Legend for the plots above:

- Original
- step2
- pt1000
- eta2.35to4.0
- zstop0
- zstop10
- zstop20
- zstop30
- zstop40
- zstop50
- zstop60
- zstop70
- zstop80
- zstop90
- zstop100
- zstop110
- zstop120
- zstop130
- zstop140
- zstop150
- zstop160
- zstop170
- zstop180
- zstop190
- zstop200
- zstop210
- zstop220
- zstop230
- zstop240
- zstop250
- zstop260
- zstop270
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- zstop310
- zstop320
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- zstop340
- zstop350
- zstop360
- zstop370
- zstop380
- zstop390
- zstop400
- zstop410
- zstop420
- zstop430
- zstop440
- zstop450
- zstop460
- zstop470
- zstop480
- zstop490
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- zstop580
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- zstop610
- zstop620
- zstop630
- zstop640
- zstop650
- zstop660
- zstop670
- zstop680
- zstop690
- zstop700
- zstop710
- zstop720
- zstop730
- zstop740
- zstop750
- zstop760
- zstop770
- zstop780
- zstop790
- zstop800
- zstop810
- zstop820
- zstop830
- zstop840
- zstop850
- zstop860
- zstop870
- zstop880
- zstop890
- zstop900
- zstop910
- zstop920
- zstop930
- zstop940
- zstop950
- zstop960
- zstop970
- zstop980
- zstop990
- zstop1000