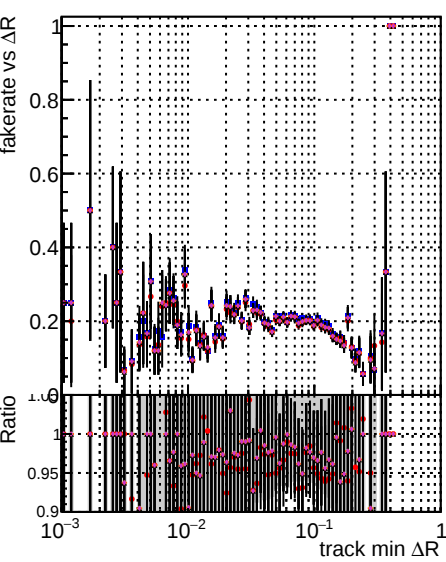
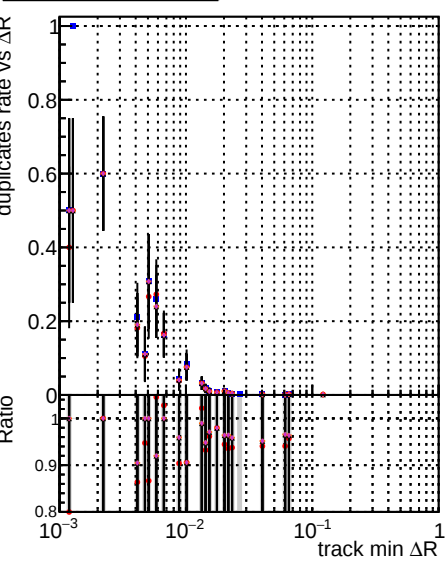


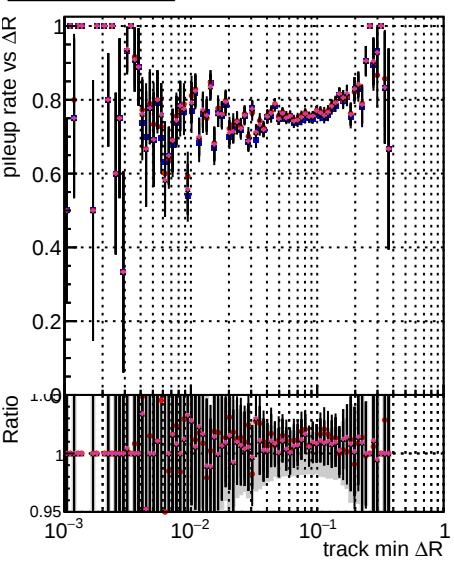
Fake rate vs dr



Duplicates Rate vs dr



Pileup rate vs dr



Legend for Fake rate vs ΔR , Duplicates Rate vs ΔR , and Pileup rate vs ΔR :

Line Style	Color	Label
Solid	Blue	QCD
Solid	Red	V00001
Solid	Green	V00002
Solid	Black	V00003
Solid	Grey	V00004
Solid	Light Blue	V00005
Solid	Light Green	V00006
Solid	Light Red	V00007
Solid	Light Grey	V00008
Solid	Light Yellow	V00009
Solid	Light Purple	V00010
Solid	Light Brown	V00011
Solid	Light Pink	V00012
Solid	Light Orange	V00013
Solid	Light Cyan	V00014
Solid	Light Magenta	V00015
Solid	Light Olive	V00016
Solid	Light Teal	V00017
Solid	Light Lavender	V00018
Solid	Light Salmon	V00019
Solid	Light Peach	V00020
Solid	Light Apricot	V00021
Solid	Light Lemon	V00022
Solid	Light Lime	V00023
Solid	Light Mint	V00024
Solid	Light Seafoam	V00025
Solid	Light Turquoise	V00026
Solid	Light Aquamarine	V00027
Solid	Light Emerald	V00028
Solid	Light Forest	V00029
Solid	Light Navy	V00030
Solid	Light Indigo	V00031
Solid	Light Violet	V00032
Solid	Light Purple	V00033
Solid	Light Magenta	V00034
Solid	Light Pink	V00035
Solid	Light Red	V00036
Solid	Light Orange	V00037
Solid	Light Yellow	V00038
Solid	Light Green	V00039
Solid	Light Blue	V00040
Solid	Light Cyan	V00041
Solid	Light Teal	V00042
Solid	Light Turquoise	V00043
Solid	Light Aquamarine	V00044
Solid	Light Emerald	V00045
Solid	Light Forest	V00046
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Solid	Light Orange	V00105
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Solid	Light Indigo	V00116
Solid	Light Violet	V00117
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Solid	Light Blue	V00125
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Solid	Light Teal	V00144
Solid	Light Turquoise	V00145
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Solid	Light Emerald	V00164
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