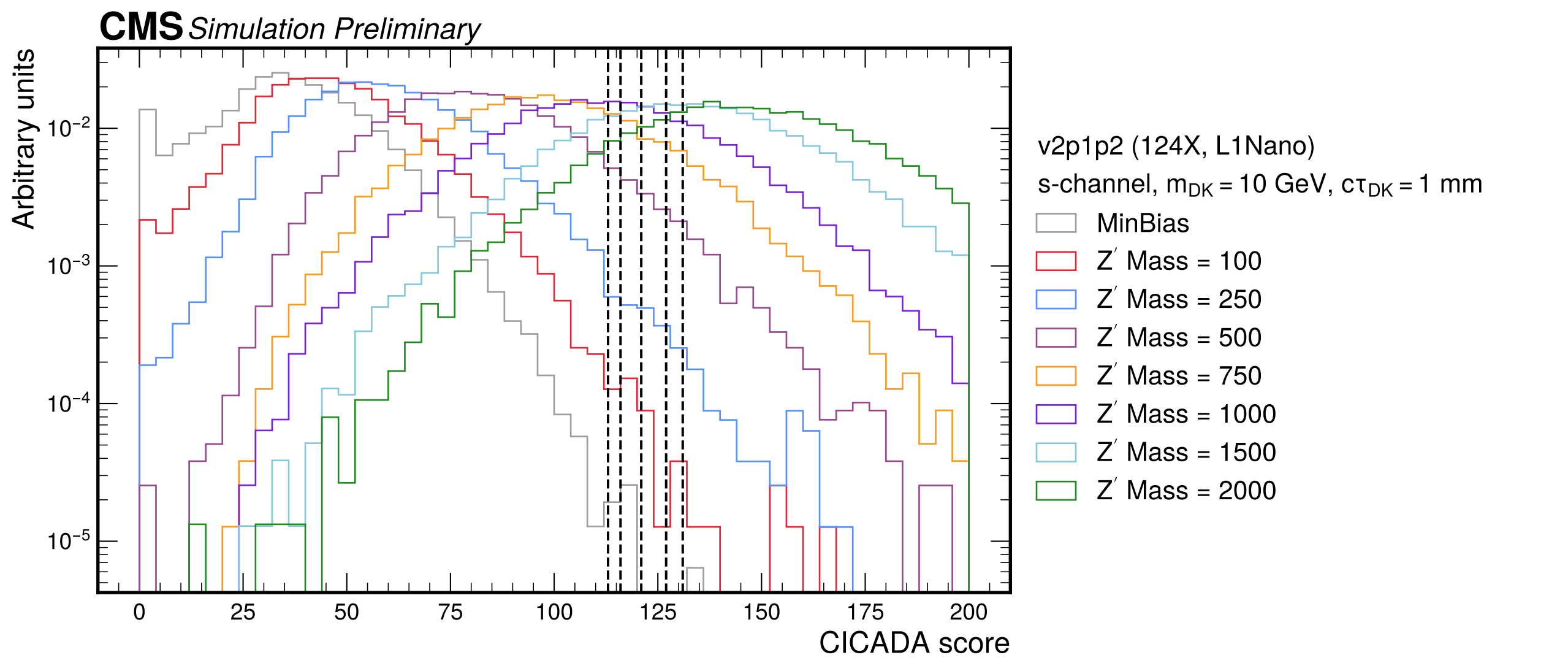
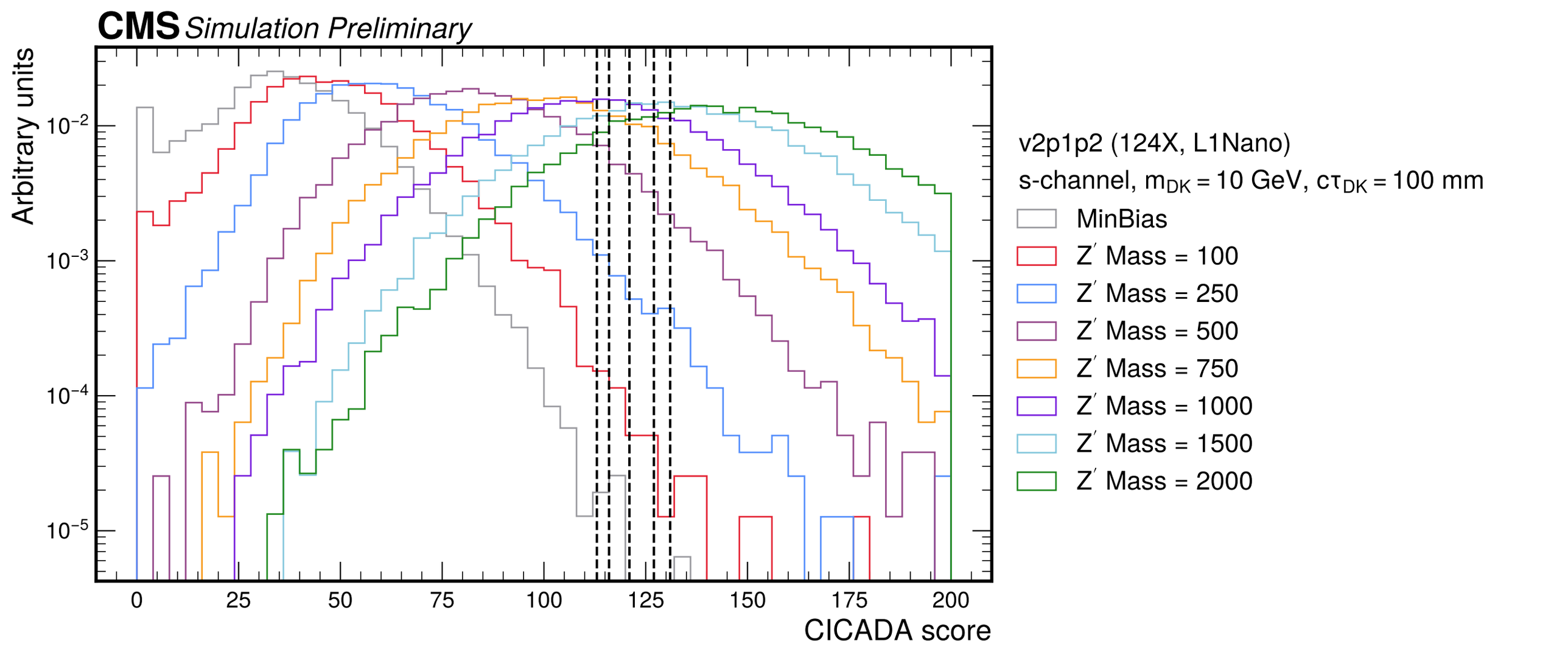
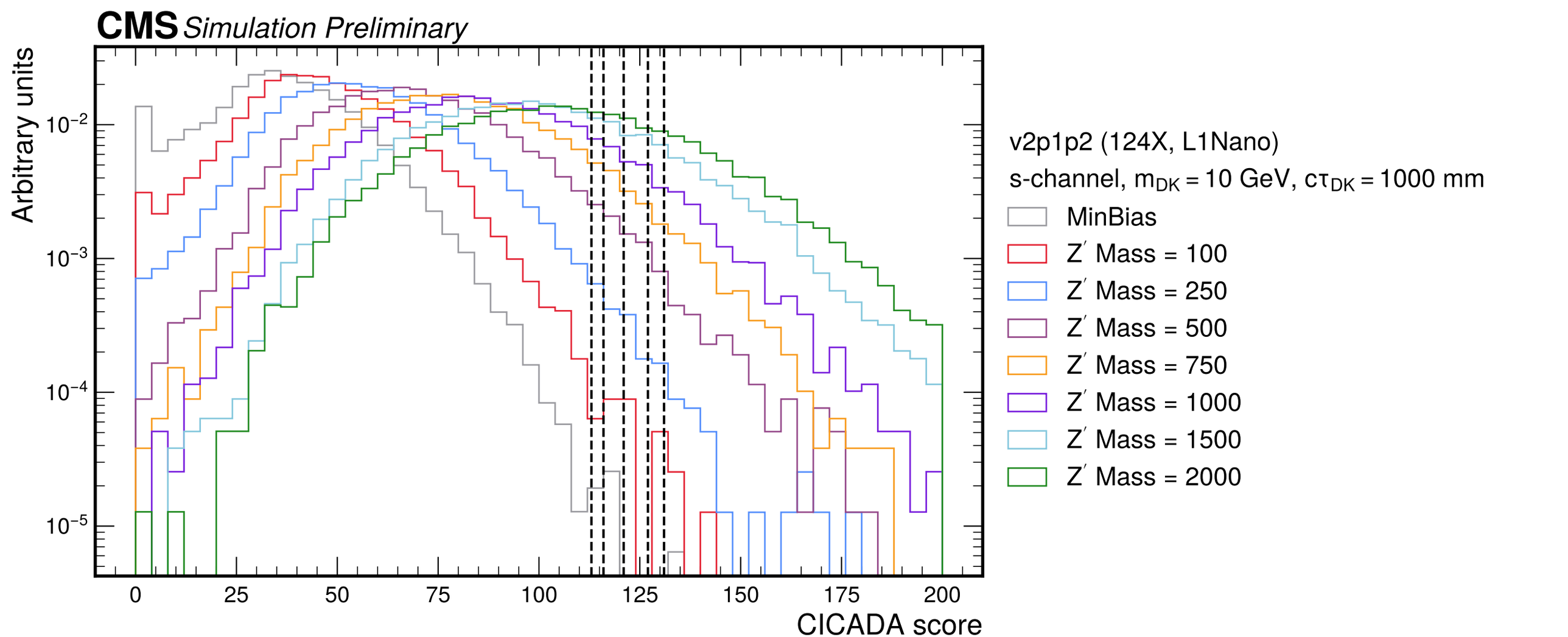
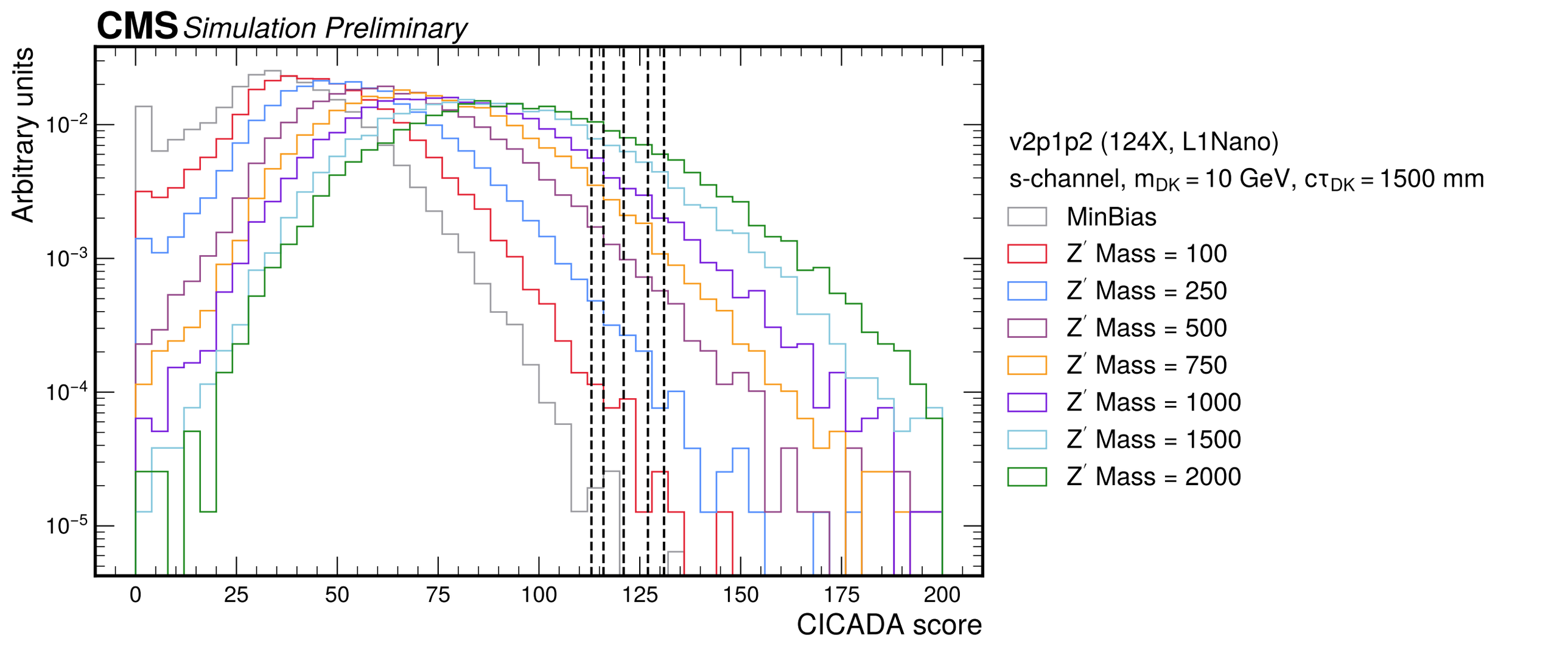
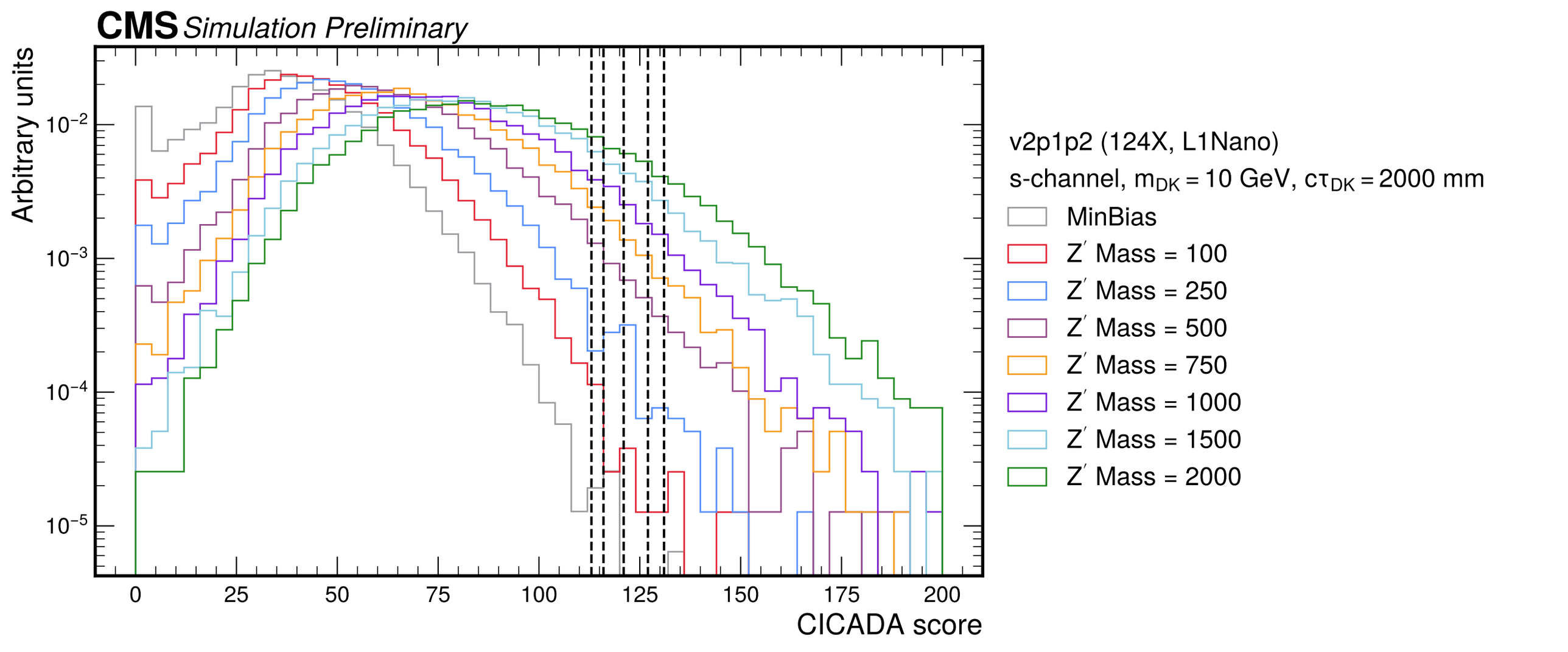
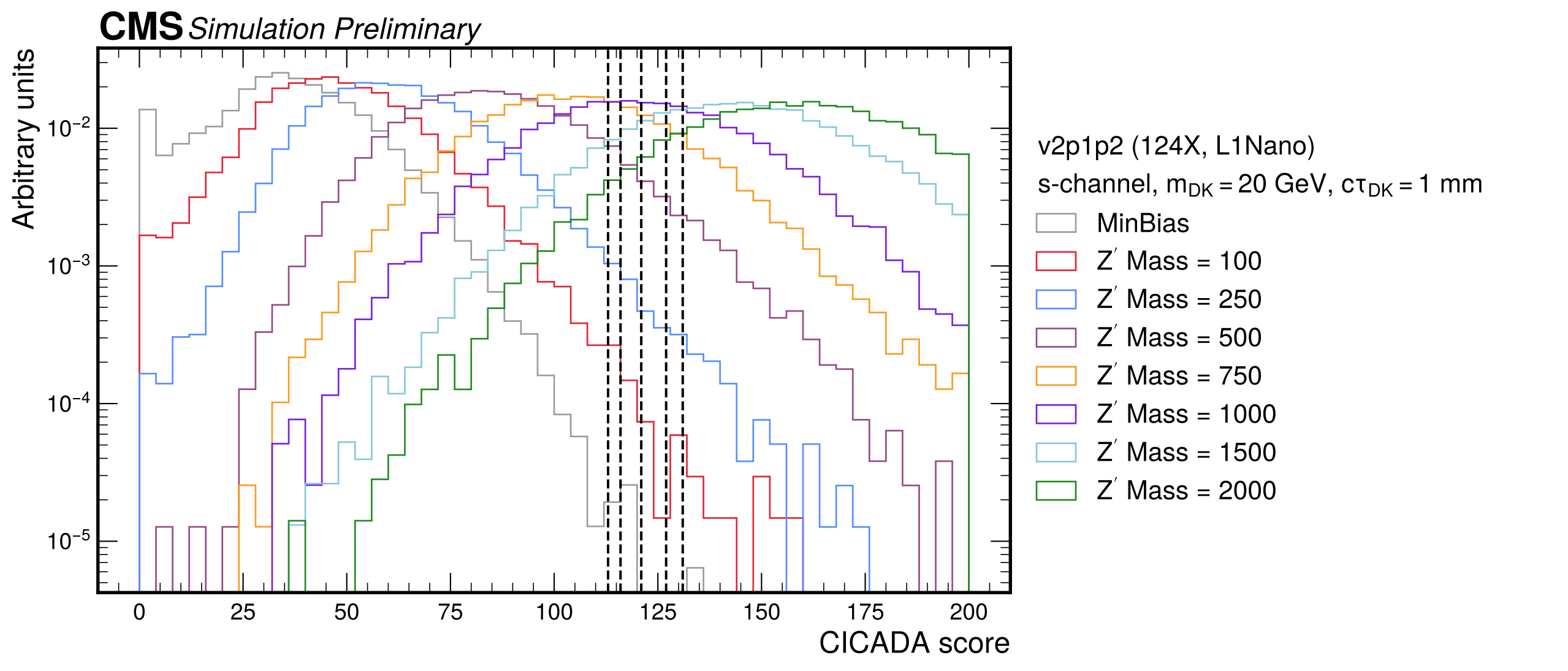

CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 10 GeV, $c\tau_{DK}$ = 1 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000

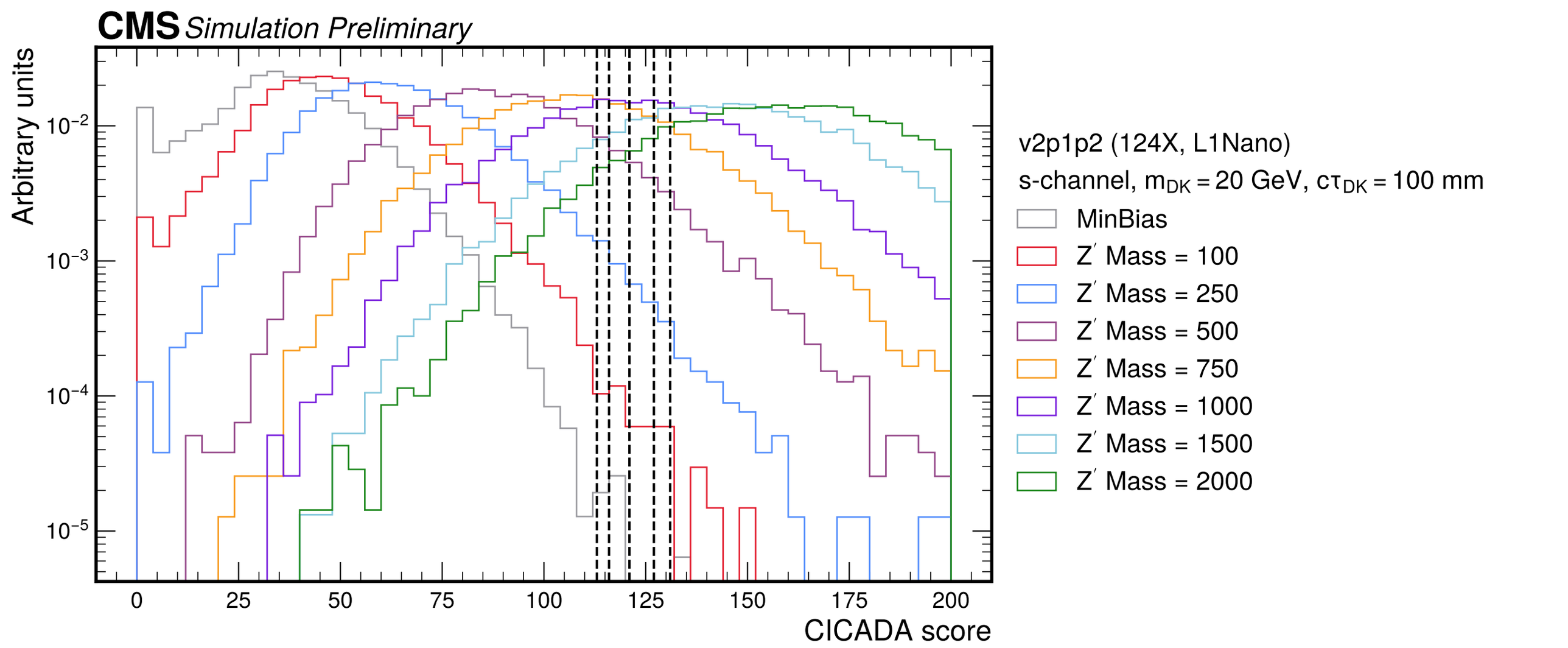

CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 10 GeV, $c\tau_{DK}$ = 100 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000

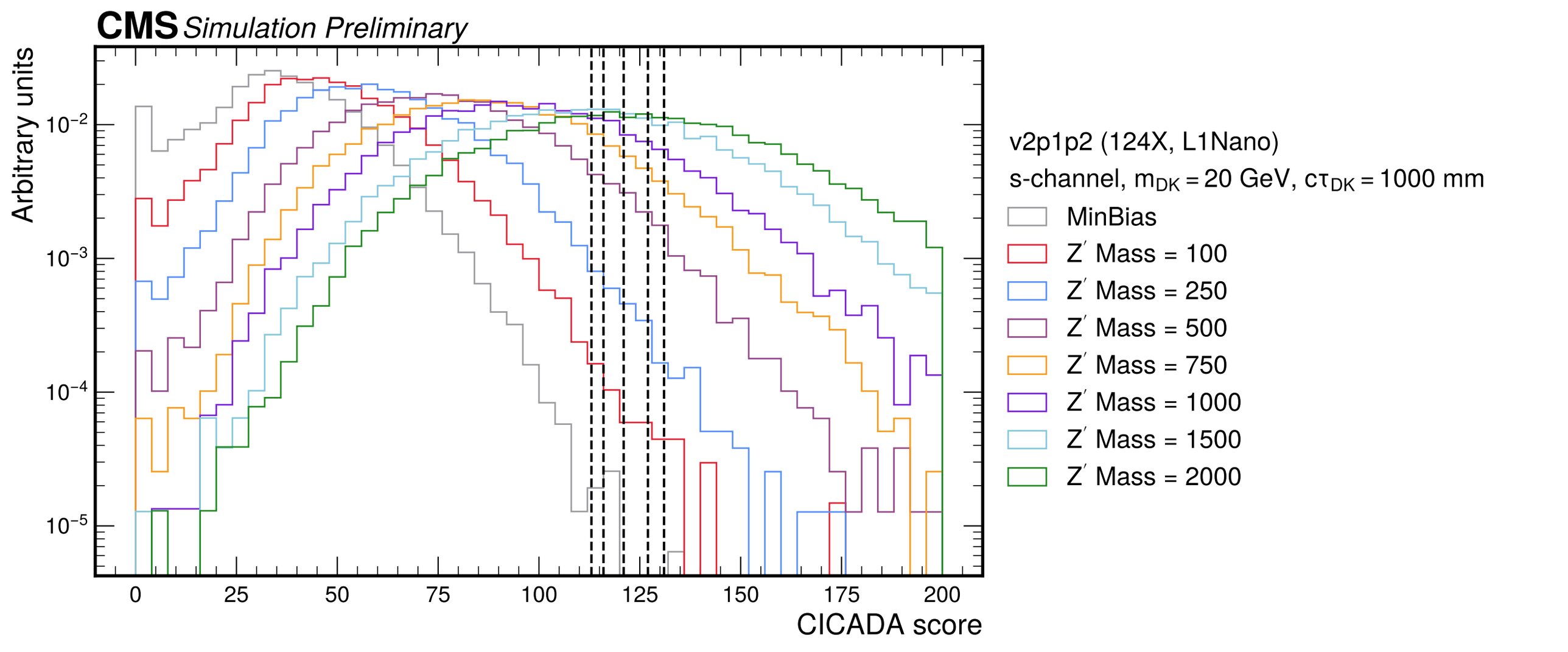

CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 10 GeV, $c\tau_{DK}$ = 1000 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000

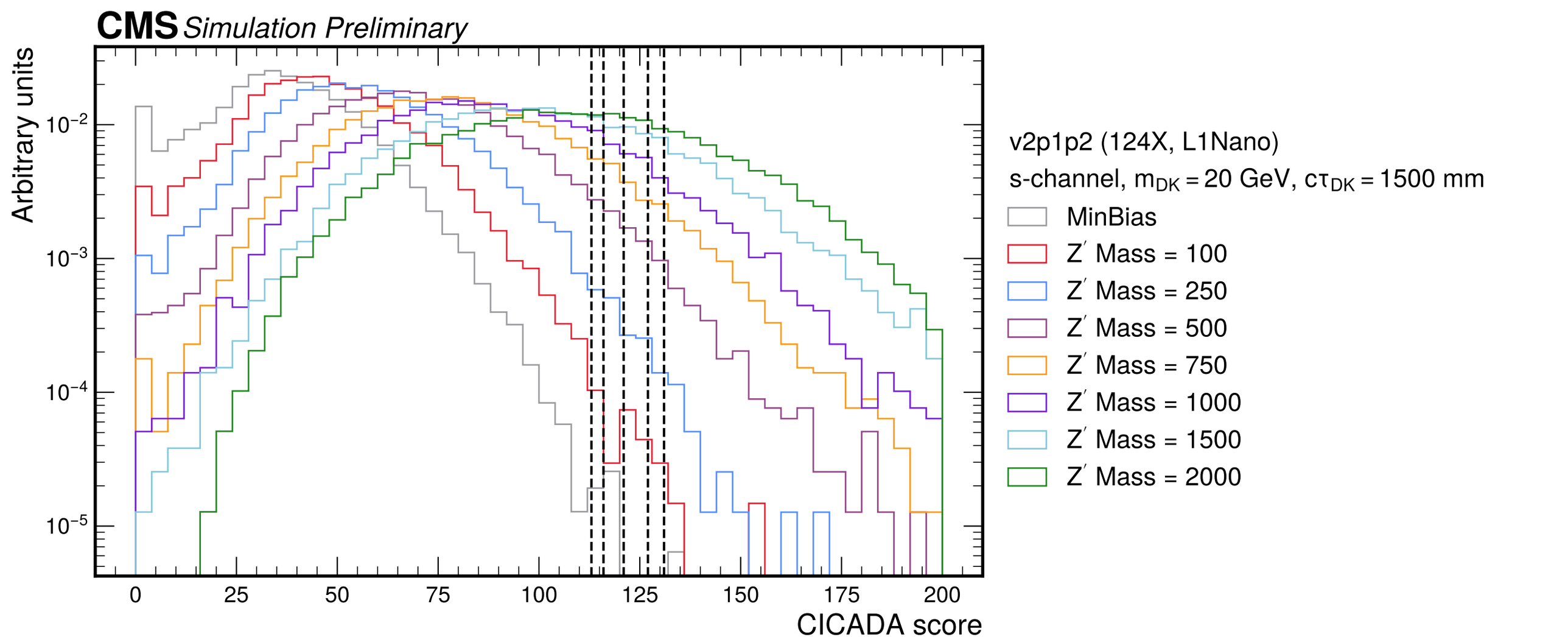

CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 10 GeV, $c\tau_{DK}$ = 1500 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000

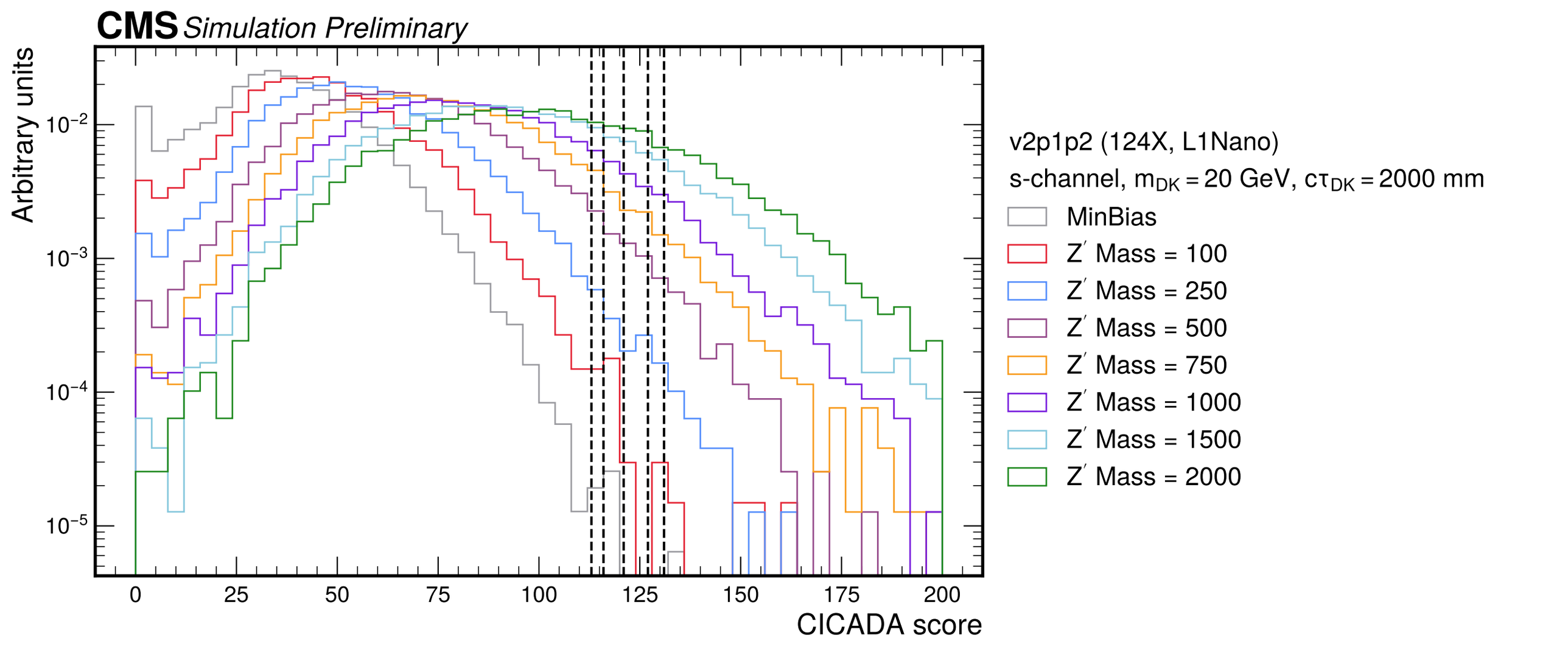

CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 10 GeV, $c\tau_{DK}$ = 2000 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000


CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 20 GeV, $c\tau_{DK}$ = 1 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000


CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 20 GeV, $c\tau_{DK}$ = 100 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000


CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 20 GeV, $c\tau_{DK}$ = 1000 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000


CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, m_{DK} = 20 GeV, $c\tau_{DK}$ = 1500 mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000


CMS Simulation Preliminary
Arbitrary units
10^{-2}
10^{-3}
10^{-4}
10^{-5}
0
25
50
75
100
125
150
175
200
CICADA score
v2p1p2 (124X, L1Nano)
s-channel, $m_{DK} = 20$ GeV, $c\tau_{DK} = 2000$ mm
MinBias
Z′ Mass = 100
Z′ Mass = 250
Z′ Mass = 500
Z′ Mass = 750
Z′ Mass = 1000
Z′ Mass = 1500
Z′ Mass = 2000