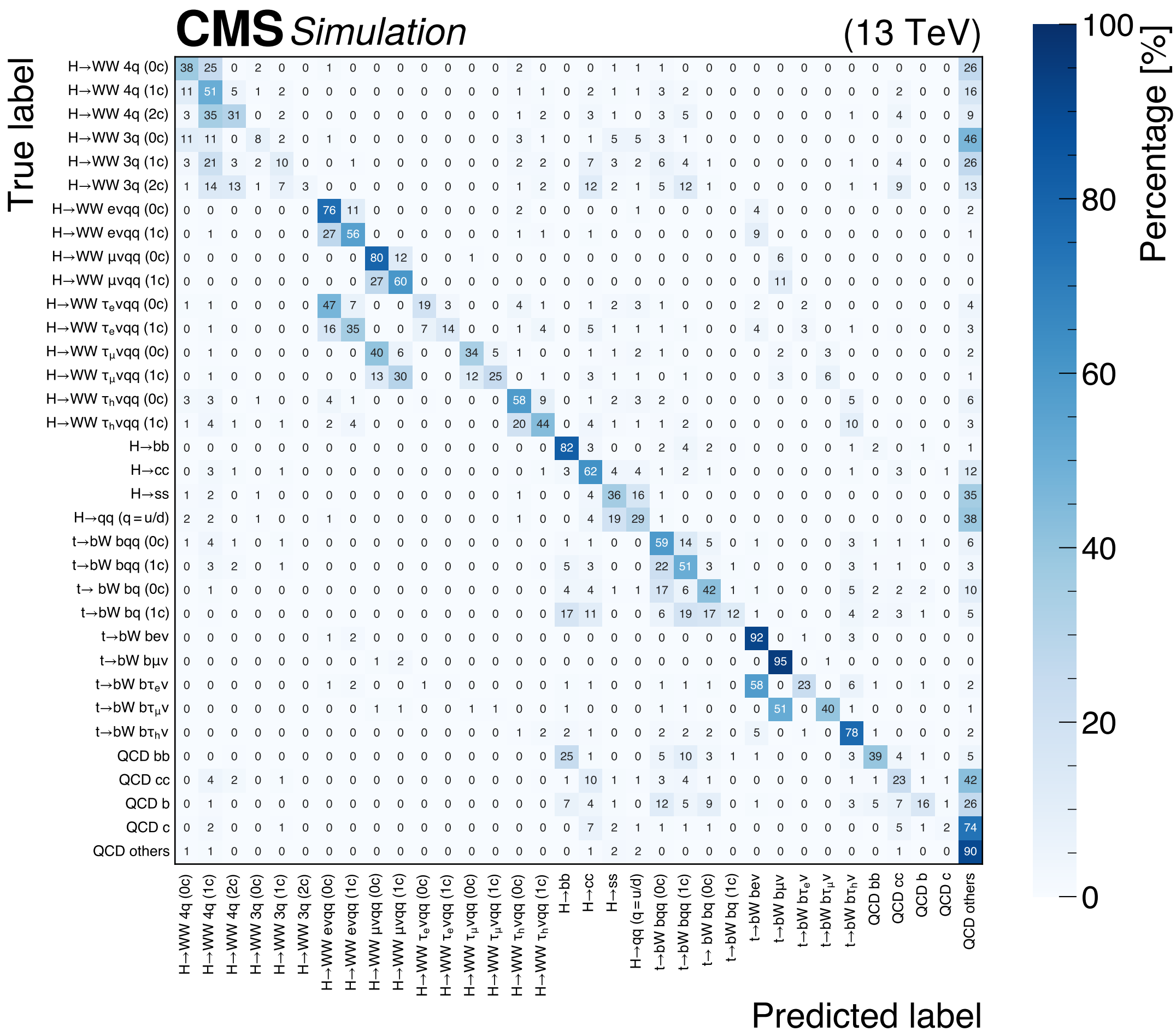
CMS Simulation
(13 TeV)
True label
Predicted label
Percentage [%]
100
80
60
40
20
0
H→WW 4q (0c) 38 25 0 2 0 0 1 0 0 0 0 0 0 0 2 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 26
H→WW 4q (1c) 11 51 5 1 2 0 0 0 0 0 0 0 0 0 1 1 0 2 1 1 3 2 0 0 0 0 0 0 0 0 2 0 0 16
H→WW 4q (2c) 3 35 31 0 2 0 0 0 0 0 0 0 0 0 1 2 0 3 1 0 3 5 0 0 0 0 0 0 1 0 4 0 0 9
H→WW 3q (0c) 11 11 0 8 2 0 1 0 0 0 0 0 0 0 3 1 0 1 5 5 3 1 0 0 0 0 0 0 0 0 0 0 0 46
H→WW 3q (1c) 3 21 3 2 10 0 0 1 0 0 0 0 0 0 2 2 0 7 3 2 6 4 1 0 0 0 0 0 1 0 4 0 0 26
H→WW 3q (2c) 1 14 13 1 7 3 0 0 0 0 0 0 0 0 1 2 0 12 2 1 5 12 1 0 0 0 0 0 1 1 9 0 0 13
H→WW eνqq (0c) 0 0 0 0 0 0 76 11 0 0 0 0 0 0 2 0 0 0 0 1 0 0 0 0 4 0 0 0 0 0 0 0 0 2
H→WW eνqq (1c) 0 1 0 0 0 0 27 56 0 0 0 0 0 0 1 1 0 1 0 0 0 0 0 0 9 0 0 0 0 0 0 0 0 1
H→WW μνqq (0c) 0 0 0 0 0 0 0 0 80 12 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 6 0 0 0 0 0 0 0 0
H→WW μνqq (1c) 0 0 0 0 0 0 0 0 27 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 11 0 0 0 0 0 0 0 0
H→WW τeνqq (0c) 1 1 0 0 0 0 47 7 0 0 19 3 0 0 4 1 0 1 2 3 1 0 0 0 2 0 2 0 0 0 0 0 0 4
H→WW τeνqq (1c) 0 1 0 0 0 0 16 35 0 0 7 14 0 0 1 4 0 5 1 1 1 1 0 0 4 0 3 0 1 0 0 0 0 3
H→WW τμνqq (0c) 0 1 0 0 0 0 0 0 40 6 0 0 34 5 1 0 0 1 1 2 1 0 0 0 0 2 0 3 0 0 0 0 0 2
H→WW τμνqq (1c) 0 1 0 0 0 0 0 0 13 30 0 0 12 25 0 1 0 3 1 1 0 1 0 0 0 3 0 6 0 0 0 0 0 1
H→WW τhνqq (0c) 3 3 0 1 0 0 4 1 0 0 0 0 0 0 58 9 0 1 2 3 2 0 0 0 0 0 0 0 5 0 0 0 0 6
H→WW τhνqq (1c) 1 4 1 0 1 0 2 4 0 0 0 0 0 0 20 44 0 4 1 1 1 2 0 0 0 0 0 0 10 0 0 0 0 3
H→bb 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 82 3 0 0 2 4 2 0 0 0 0 0 1 2 0 1 0 1
H→cc 0 3 1 0 1 0 0 0 0 0 0 0 0 0 0 1 3 62 4 4 1 2 1 0 0 0 0 0 1 0 3 0 1 12
H→ss 1 2 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 4 36 16 1 0 0 0 0 0 0 0 0 0 0 0 0 35
H→qq (q=u/d) 2 2 0 1 0 0 1 0 0 0 0 0 0 0 1 0 0 4 19 29 1 0 0 0 0 0 0 0 0 0 0 0 0 38
t→bW bqq (0c) 1 4 1 0 1 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 59 14 5 0 1 0 0 0 3 1 1 1 0 6
t→bW bqq (1c) 0 3 2 0 1 0 0 0 0 0 0 0 0 0 0 0 5 3 0 0 22 51 3 1 0 0 0 0 3 1 1 0 0 3
t→ bW bq (0c) 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 4 4 1 1 17 6 42 1 1 0 0 0 5 2 2 2 0 10
t→bW bq (1c) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 17 11 0 0 6 19 17 12 1 0 0 0 4 2 3 1 0 5
t→bW bεν 0 0 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 92 0 1 0 3 0 0 0 0 0
t→bW bμν 0 0 0 0 0 0 0 0 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 95 0 1 0 0 0 0 0 0
t→bW bτeν 0 0 0 0 0 0 1 2 0 0 1 0 0 0 0 0 1 1 0 0 1 1 1 0 58 0 23 0 6 1 0 1 0 2
t→bW bτμν 0 0 0 0 0 0 0 0 1 1 0 0 1 1 0 0 1 0 0 0 1 1 0 0 0 51 0 40 1 0 0 0 0 1
t→bW bτhν 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 2 1 0 0 2 2 2 0 5 0 1 0 78 1 0 0 0 2
QCD bb 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 25 1 0 0 5 10 3 1 1 0 0 0 3 39 4 1 0 5
QCD cc 0 4 2 0 1 0 0 0 0 0 0 0 0 0 0 0 1 10 1 1 3 4 1 0 0 0 0 0 1 1 23 1 1 42
QCD b 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 4 1 0 12 5 9 0 1 0 0 0 3 5 7 16 1 26
QCD c 0 2 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 7 2 1 1 1 1 0 0 0 0 0 0 0 5 1 2 74
QCD others 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 2 2 0 0 0 0 0 0 0 0 0 0 1 0 0 90
H→WW 4q (0c)
H→WW 4q (1c)
H→WW 4q (2c)
H→WW 3q (0c)
H→WW 3q (1c)
H→WW 3q (2c)
H→WW eνqq (0c)
H→WW eνqq (1c)
H→WW μνqq (0c)
H→WW μνqq (1c)
H→WW τeνqq (0c)
H→WW τeνqq (1c)
H→WW τμνqq (0c)
H→WW τμνqq (1c)
H→WW τhνqq (0c)
H→WW τhνqq (1c)
H→bb
H→cc
H→ss
H→qq (q=u/d)
t→bW bqq (0c)
t→bW bqq (1c)
t→ bW bq (0c)
t→bW bq (1c)
t→bW bεν
t→bW bμν
t→bW bτeν
t→bW bτμν
t→bW bτhν
QCD bb
QCD cc
QCD b
QCD c
QCD others