Stave production monitoring

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04/04/2019

Monitoring from January 2018 to 04/04/2019

Stave meeting

HS monitoring

HSs of previous week

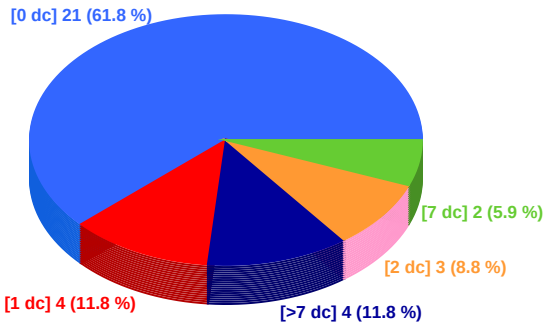
B-ML-HS-L-032: 1 bad chips
B-ML-HS-U-032: 0 bad chips
A-OL-HS-U-016: 0 bad chips

HSs of this week

A-OL-HS-U-017: 0 bad chips
D-OL-HS-L-017: 0 bad chips
D-OL-HS-U-017: 0 bad chips
F-OL-HS-L-023: 0 bad chips
T-OL-HS-U-032: 0 bad chips

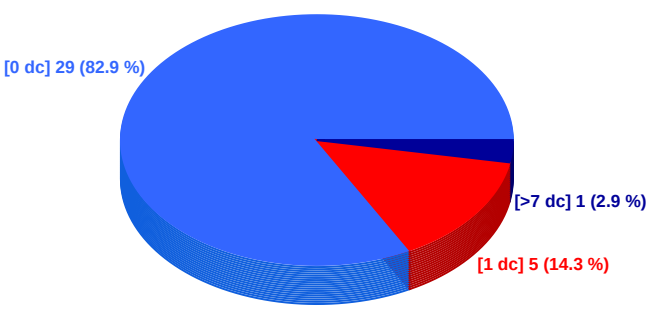
HS - Nikhef

82.35 % ok



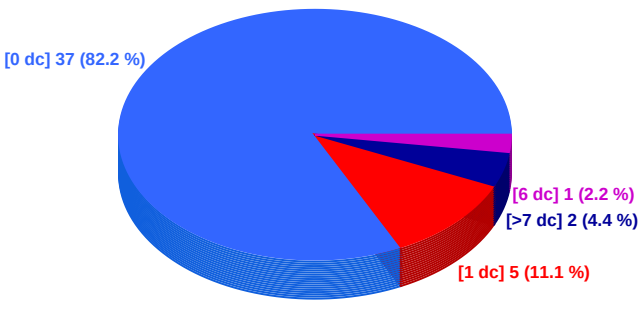
HS - Daresbury

97.14 % ok



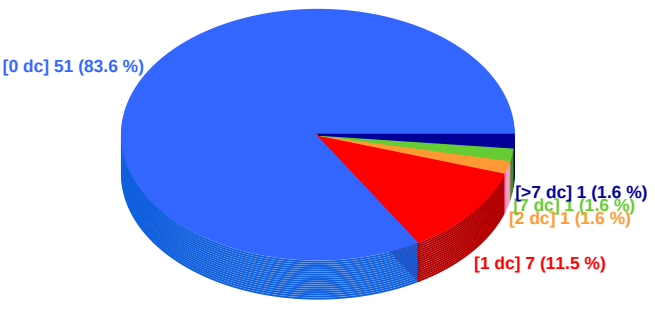
HS - Frascati

93.33 % ok



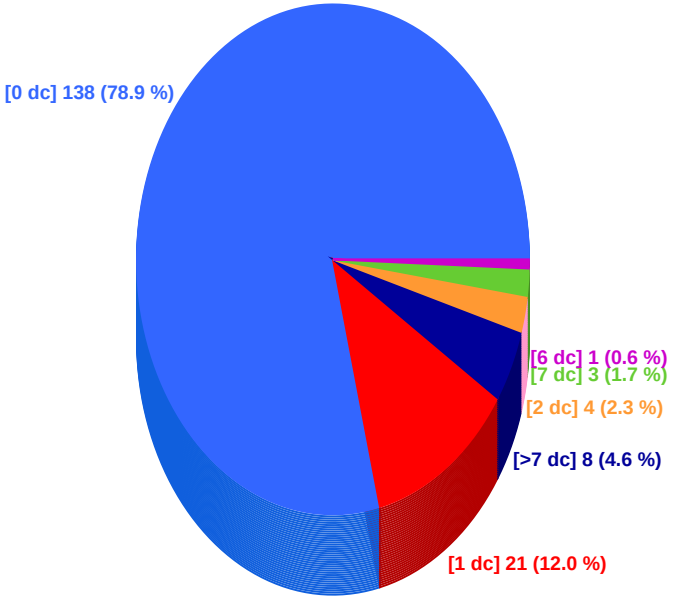
HS - Turin

96.72 % ok



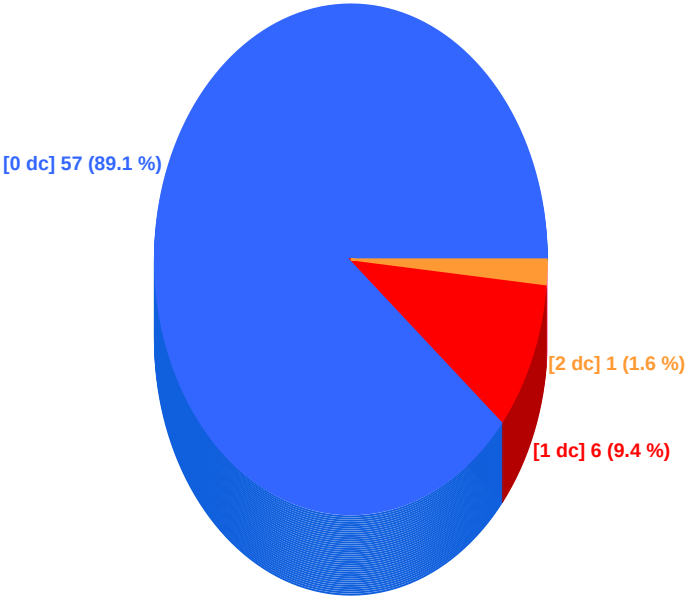
HS - OL

93.14 % ok

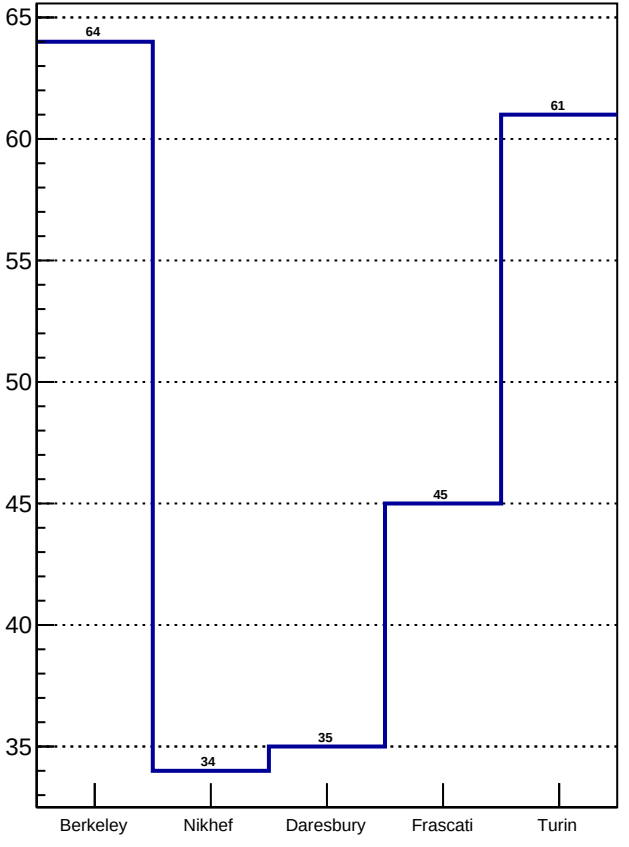


HS - ML

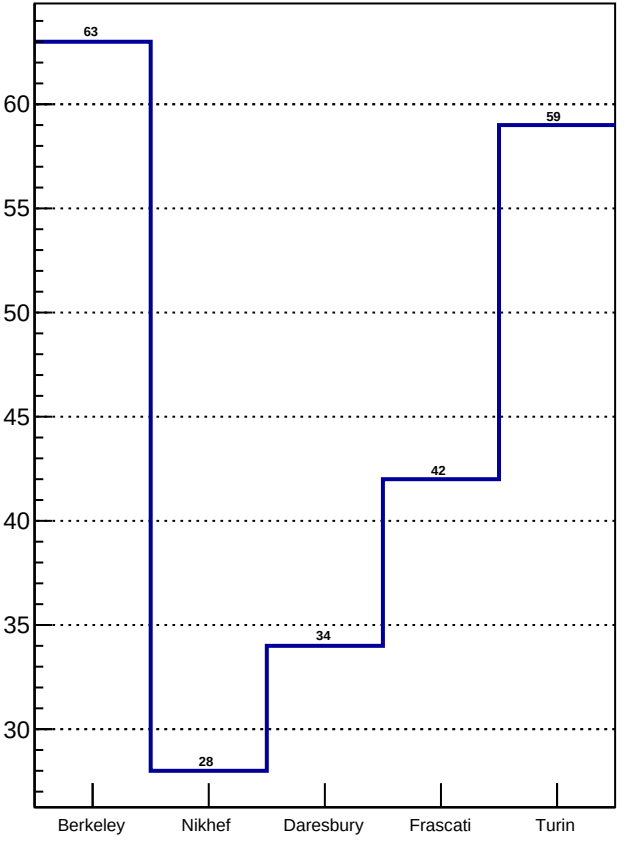
98.44 % ok

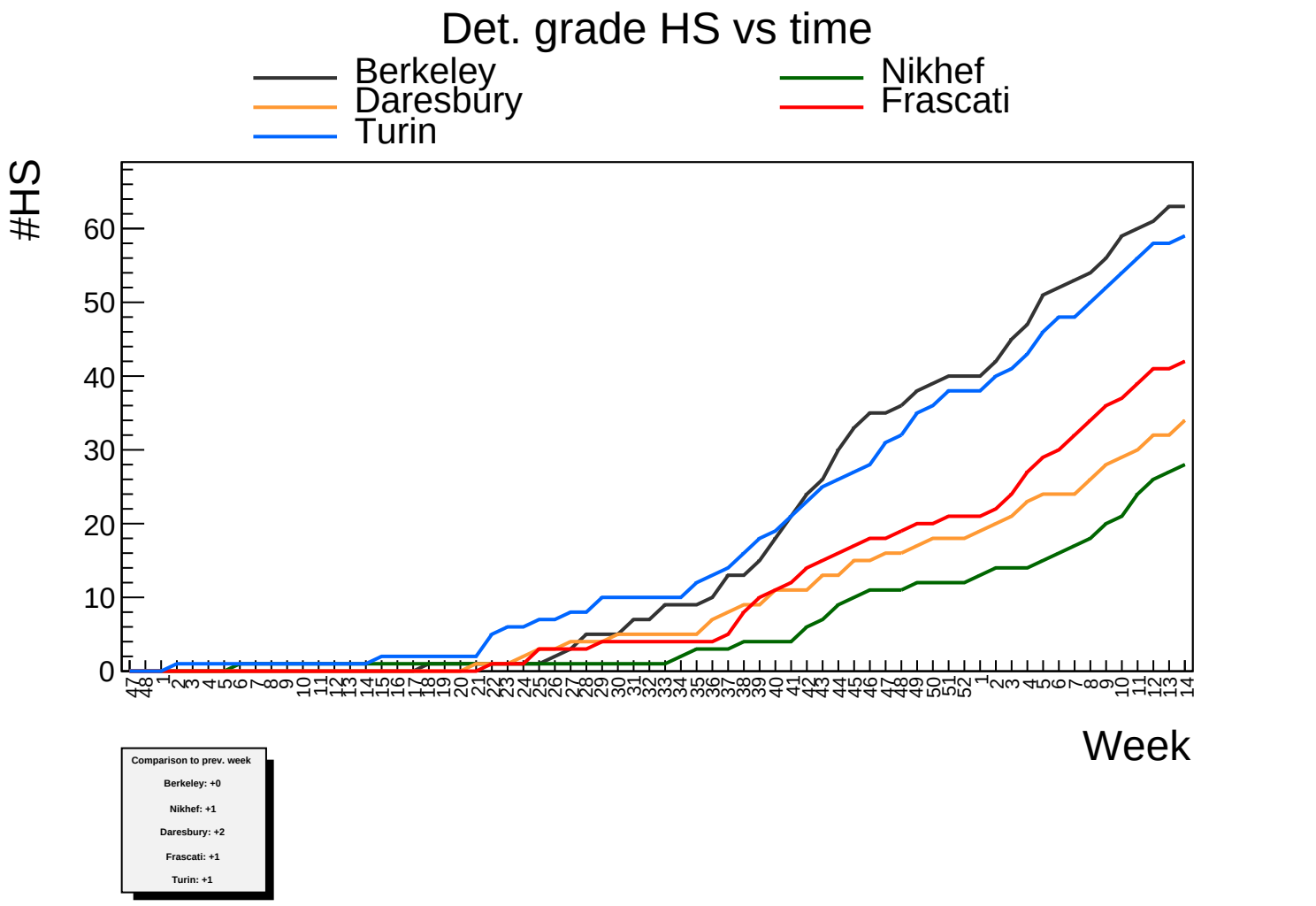


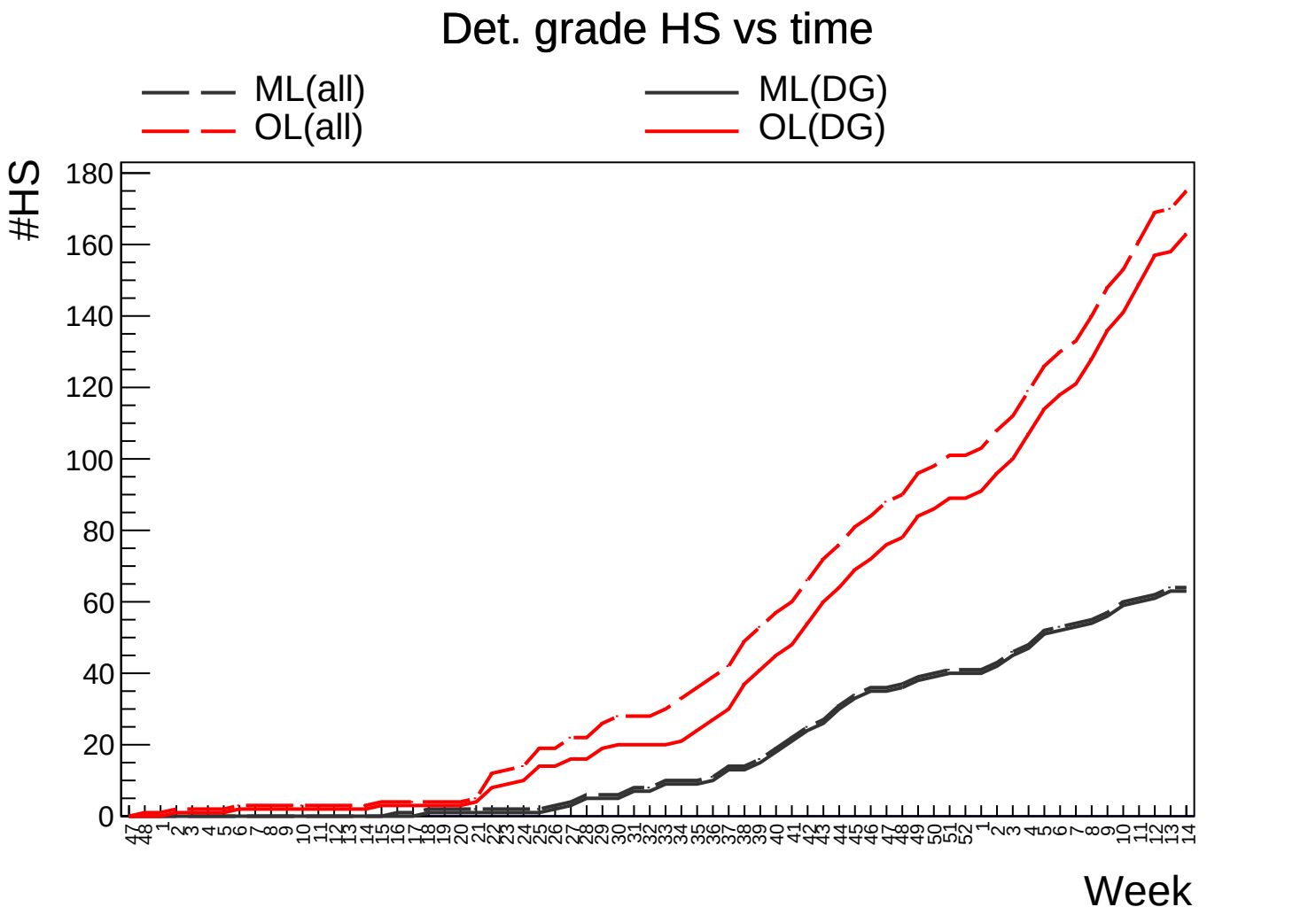
All HS

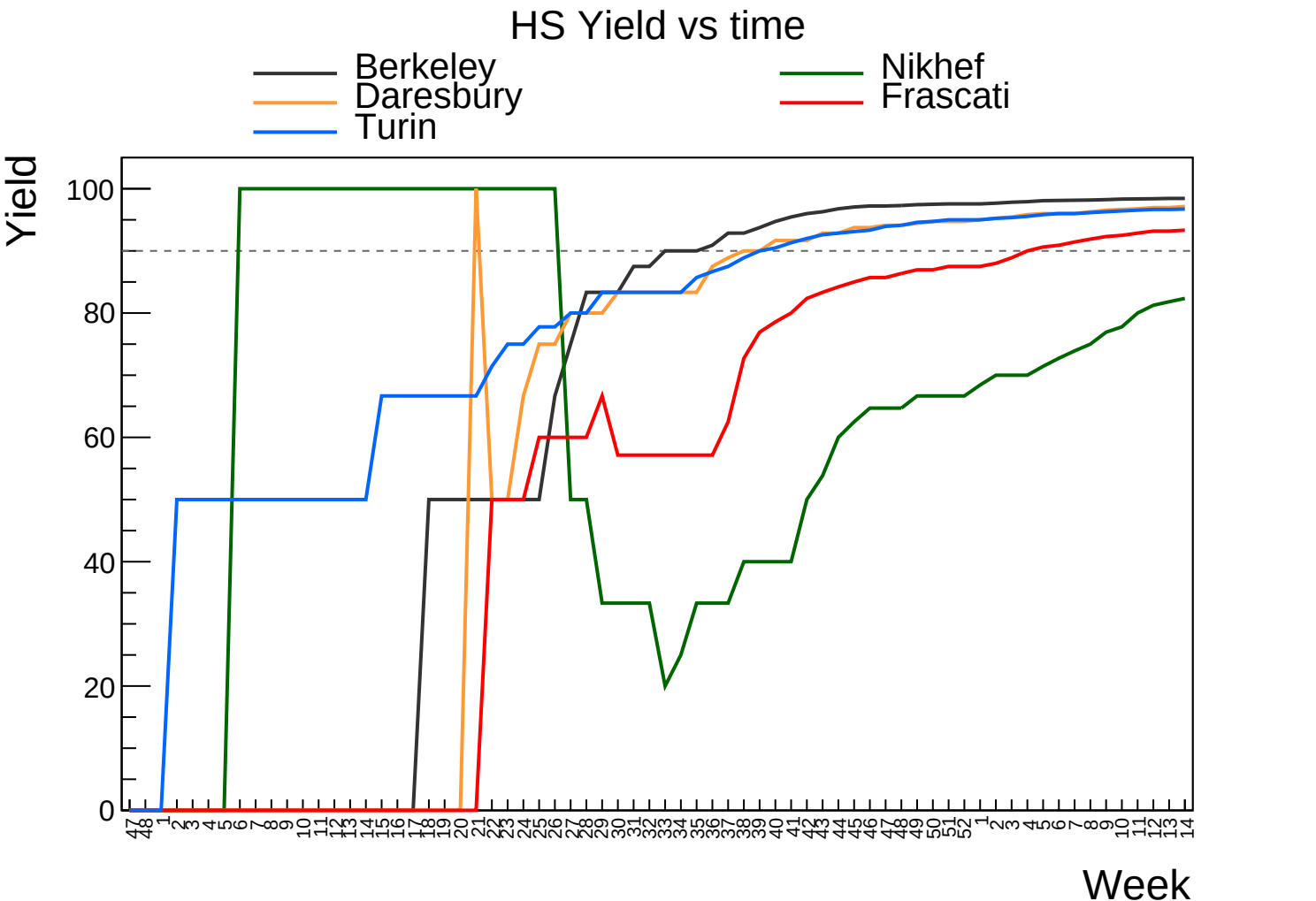


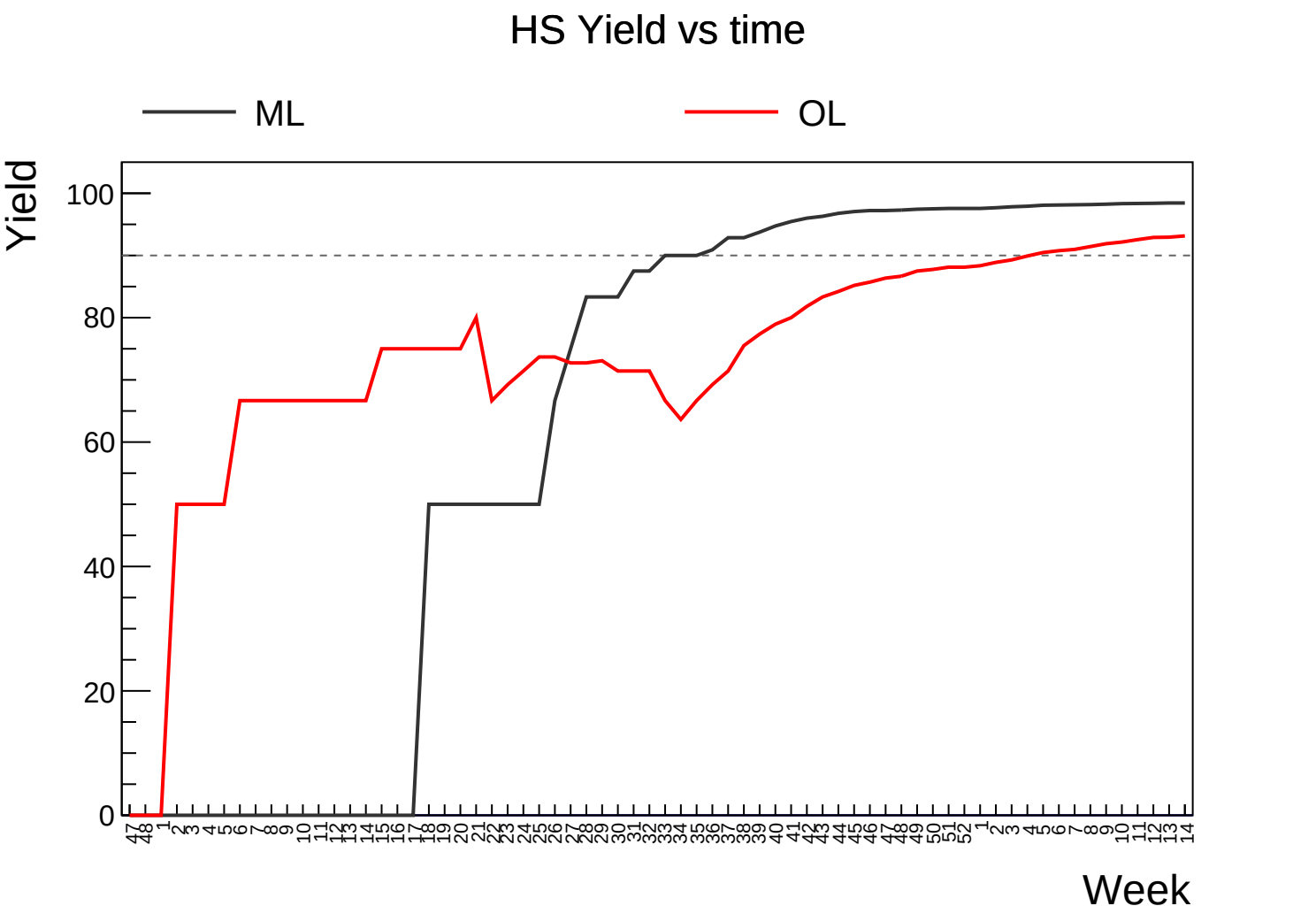
Det. Grade HS




Det. grade HS vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
#HS
0
10
20
30
40
50
60
47 48 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week
Comparison to prev. week
Berkeley: +0
Nikhef: +1
Daresbury: +2
Frascati: +1
Turin: +1


Det. grade HS vs time
ML(all)
OL(all)
ML(DG)
OL(DG)
#HS
0
20
40
60
80
100
120
140
160
180
47 48 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week


HS Yield vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
Yield
100
80
60
40
20
0
47 48 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week


HS Yield vs time
ML
OL
Yield
100
80
60
40
20
0
47 48 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week

Stave monitoring

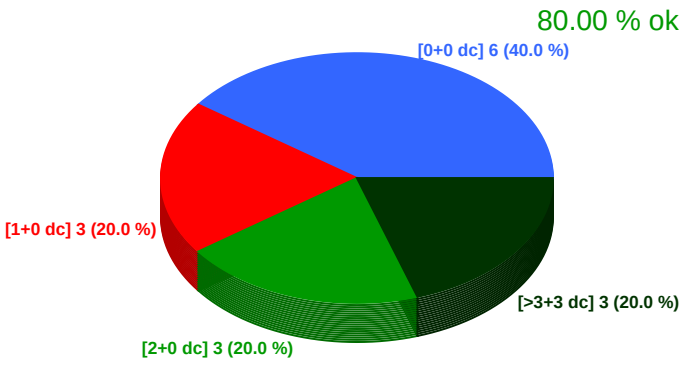
Staves of previous week

B-ML-Stave-031: (U,L)=(0, 0) bad chips
A-OL-Stave-013: (U,L)=(0, 2) bad chips
D-OL-Stave-015: (U,L)=(0, 0) bad chips
F-OL-Stave-019: (U,L)=(0, 1) bad chips
F-OL-Stave-021: (U,L)=(0, 0) bad chips
T-OL-Stave-030: (U,L)=(0, 0) bad chips

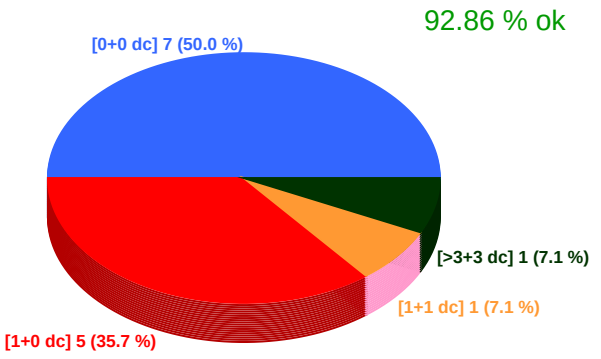
Staves of this week

B-ML-Stave-032: (U,L)=(0, 1) bad chips
A-OL-Stave-011: (U,L)=(2, 0) bad chips
A-OL-Stave-015: (U,L)=(0, 2) bad chips
D-OL-Stave-014: (U,L)=(0, 0) bad chips

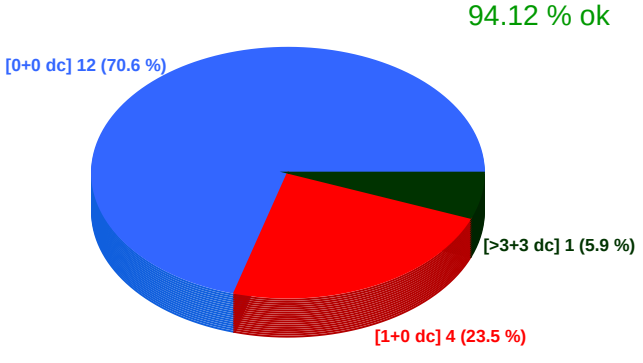
Stave - Nikhef



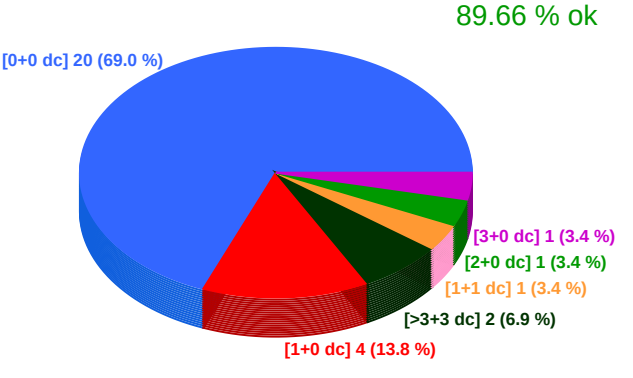
Stave - Daresbury



Stave - Frascati

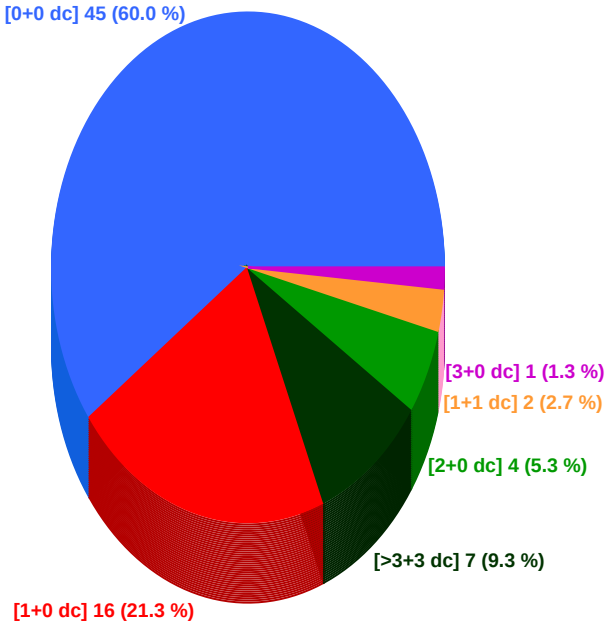


Stave - Turin



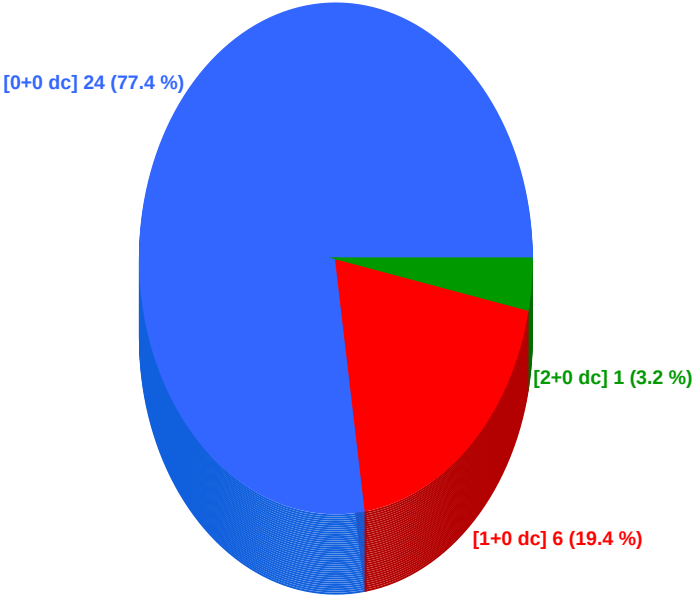
Stave - OL

89.33 % ok

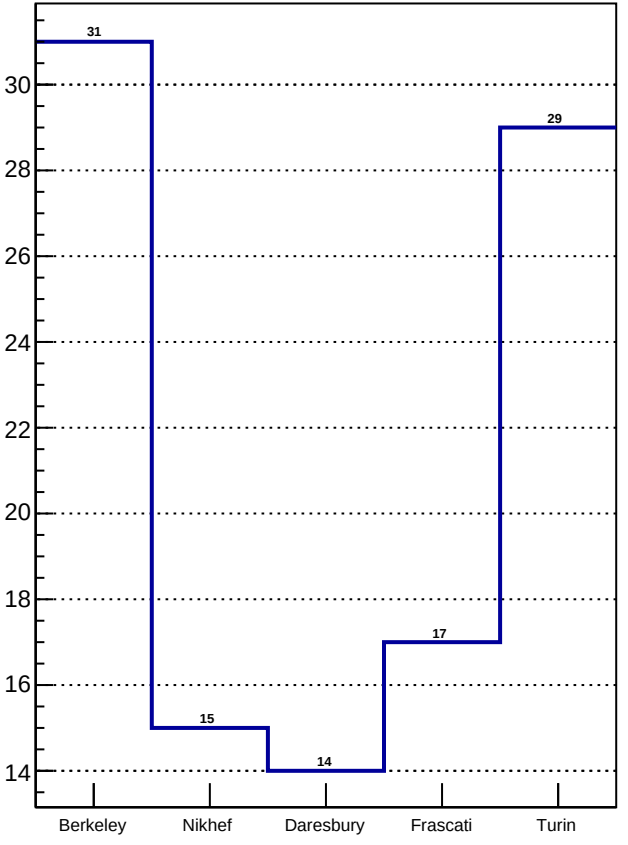


Stave - ML

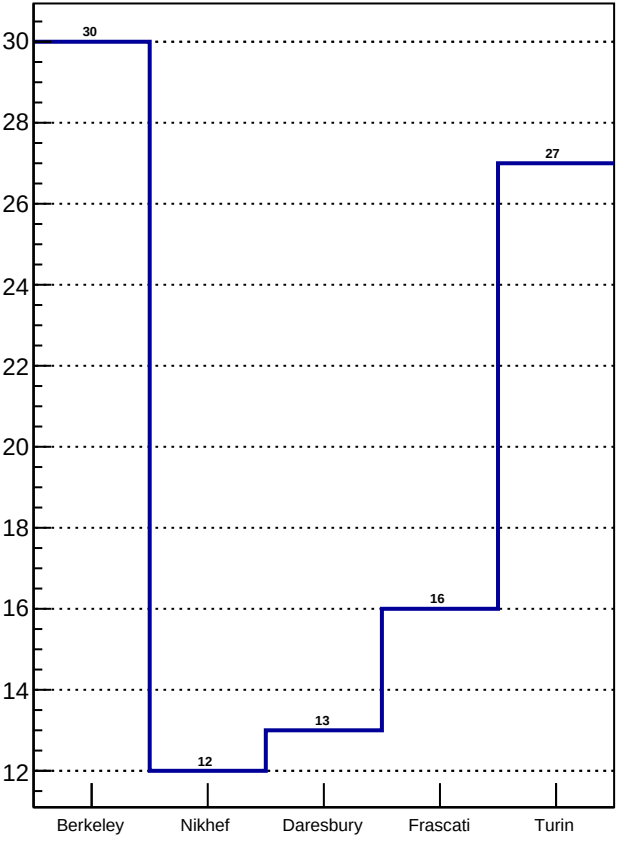
96.77 % ok



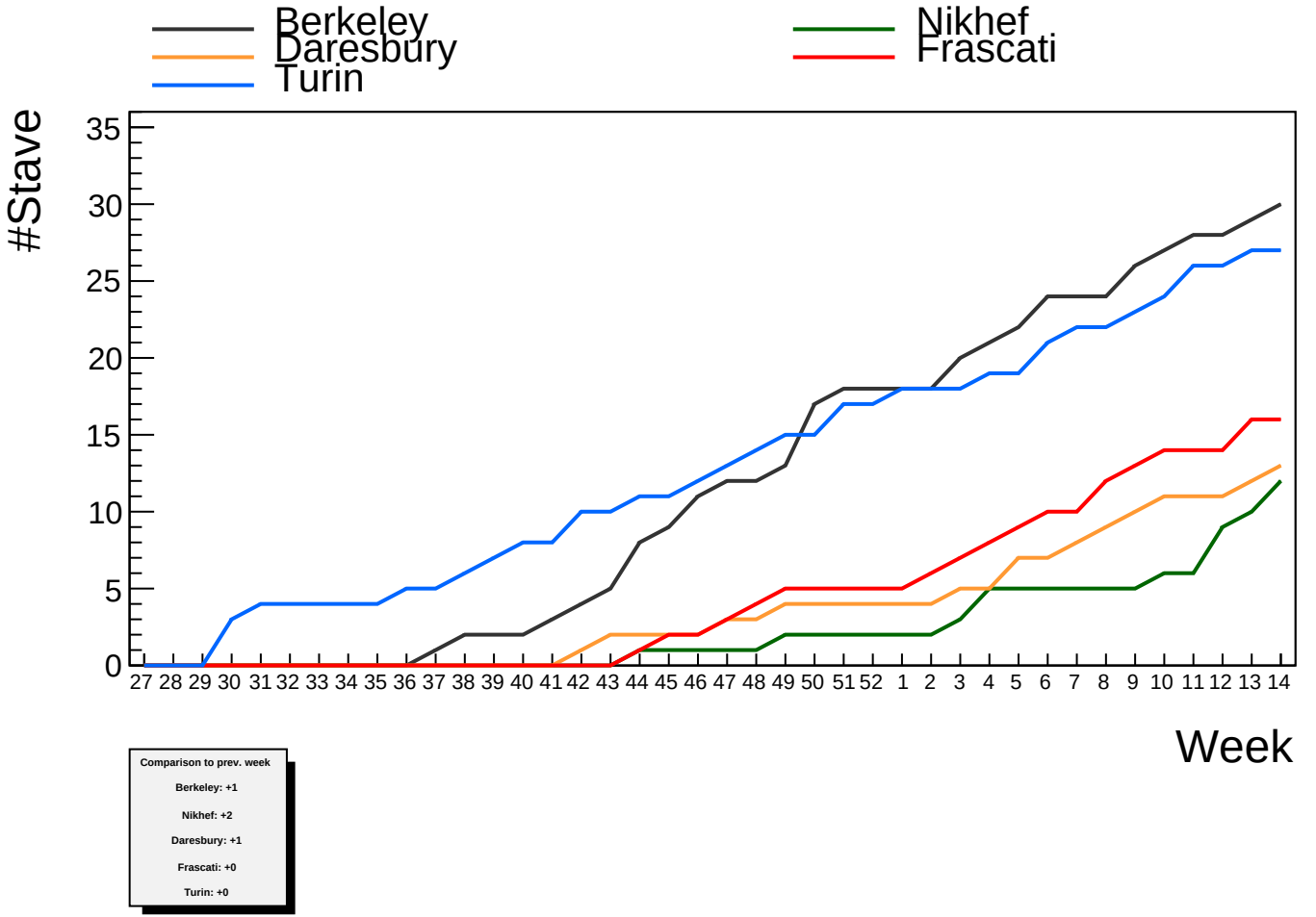
All Stave

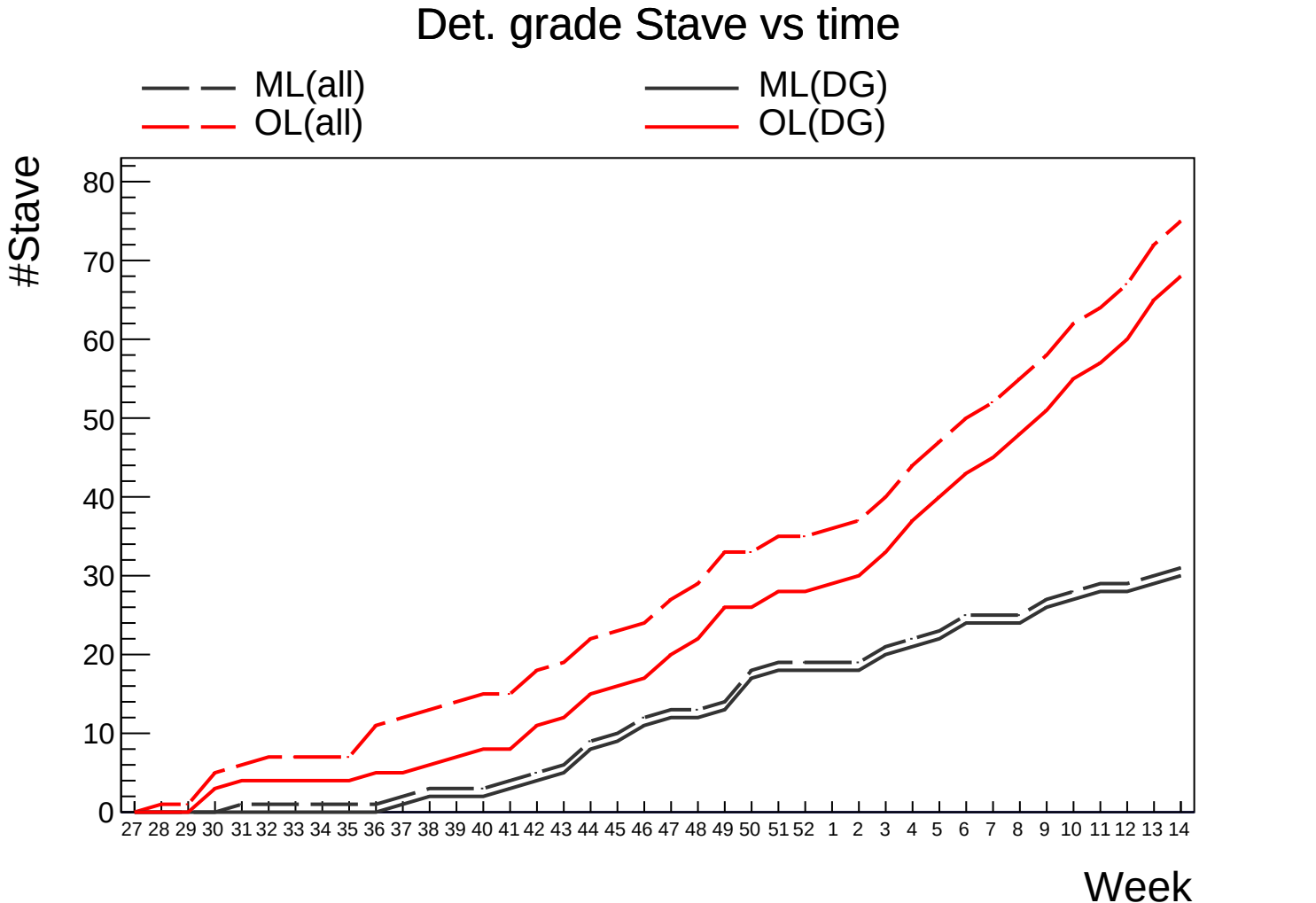


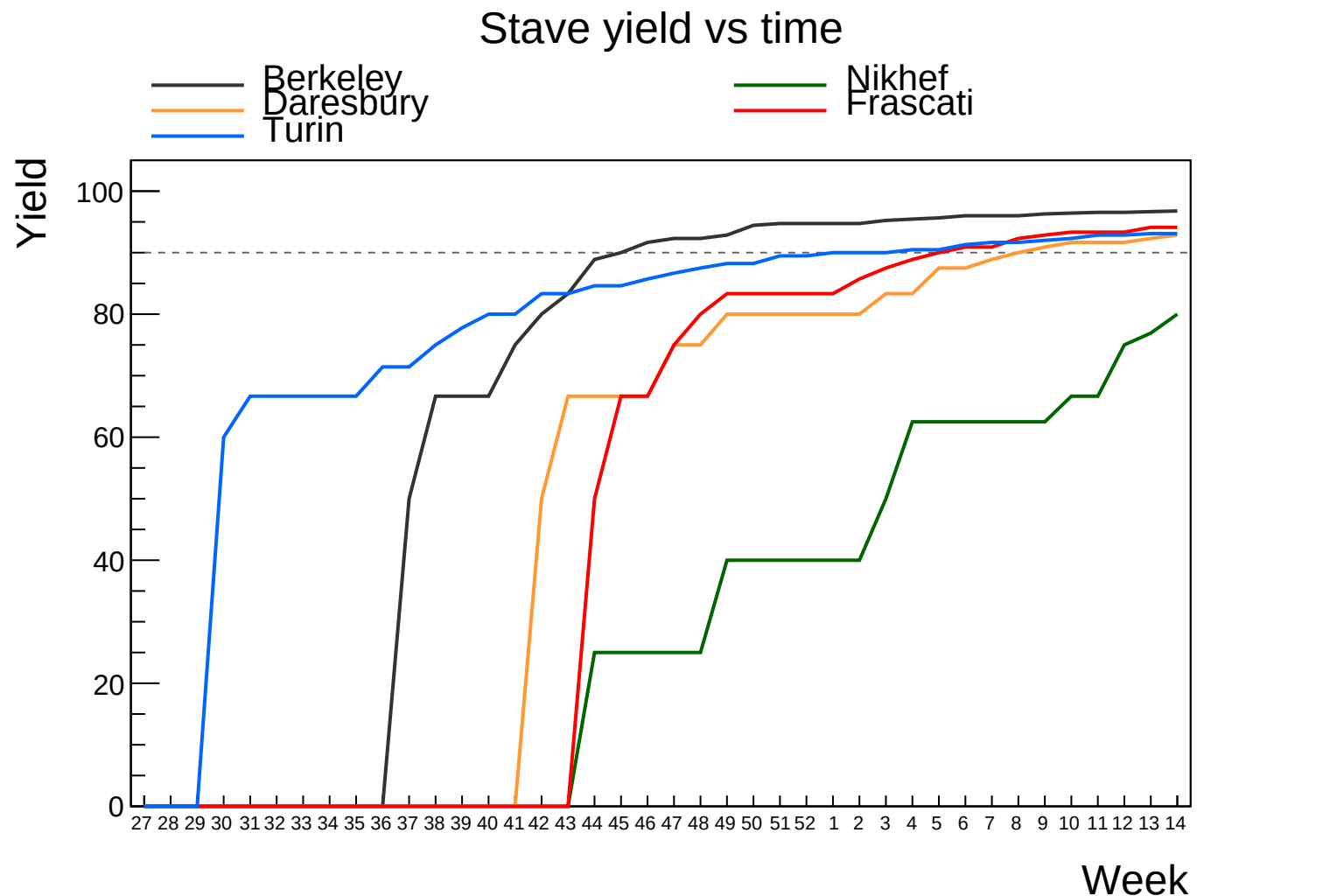
Det. Grade Stave

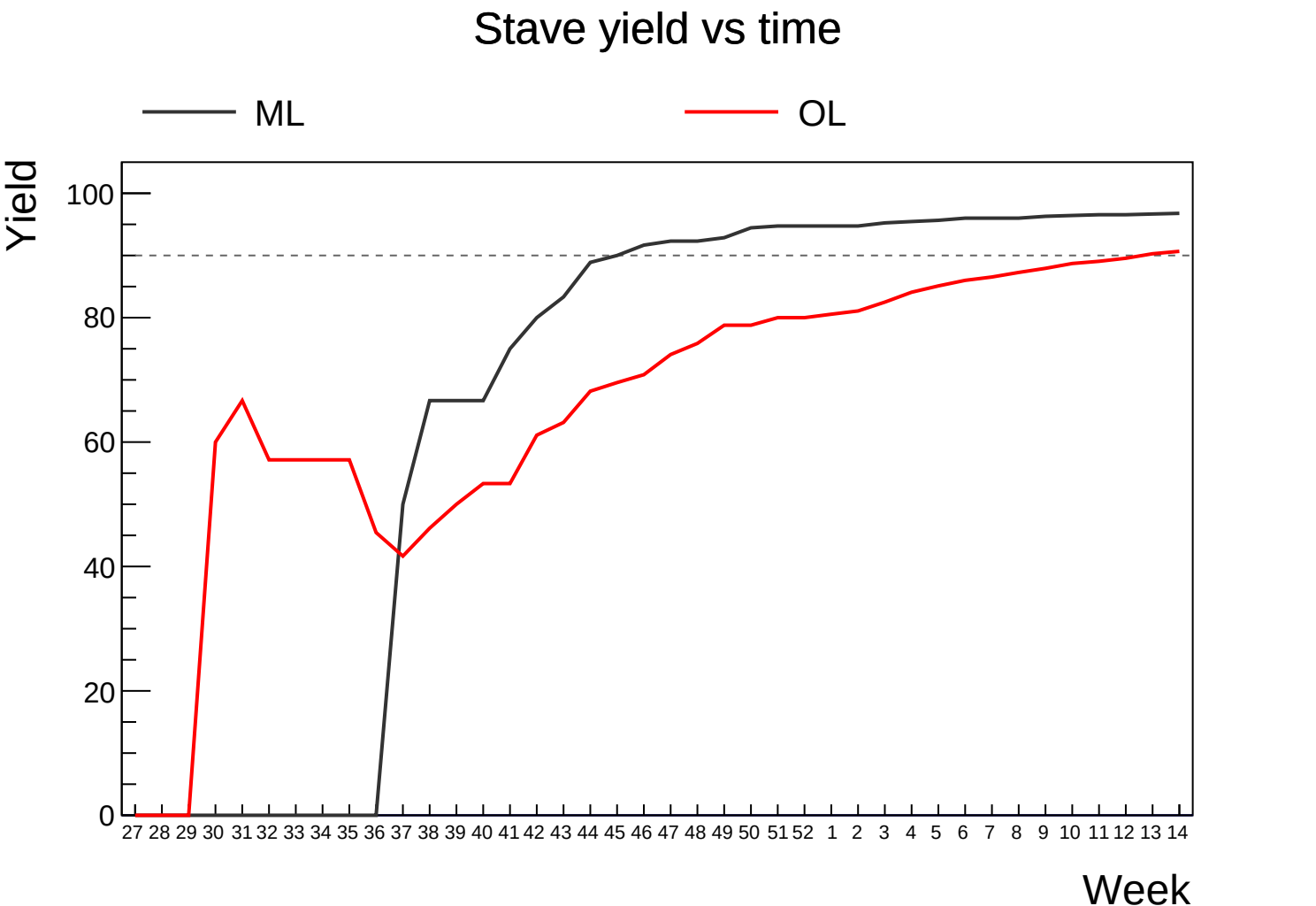


Det. grade Stave vs time




Det. grade Stave vs time
ML(all)
OL(all)
ML(DG)
OL(DG)
#Stave
0
10
20
30
40
50
60
70
80
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week


Stave yield vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
Yield
100
80
60
40
20
0
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week


Stave yield vs time
ML
OL
Yield
100
80
60
40
20
0
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week

Production rate (October 2018 - prev. week)**

Berkeley: 1.12(all) -- 1.12(DG)

Nikhef: 0.42(all) -- 0.42(DG)

Daresbury: 0.50(all) -- 0.50(DG)

Frascati: 0.67(all) -- 0.67(DG)

Turin: 0.79(all) -- 0.79(DG)

OL: 2.38(all) -- 2.38(DG)

ML: 1.12(all) -- 1.12(DG)

****Christmas holiday excluded (2 weeks)**

Stave reception @CERN

Staves qualified in the previous week

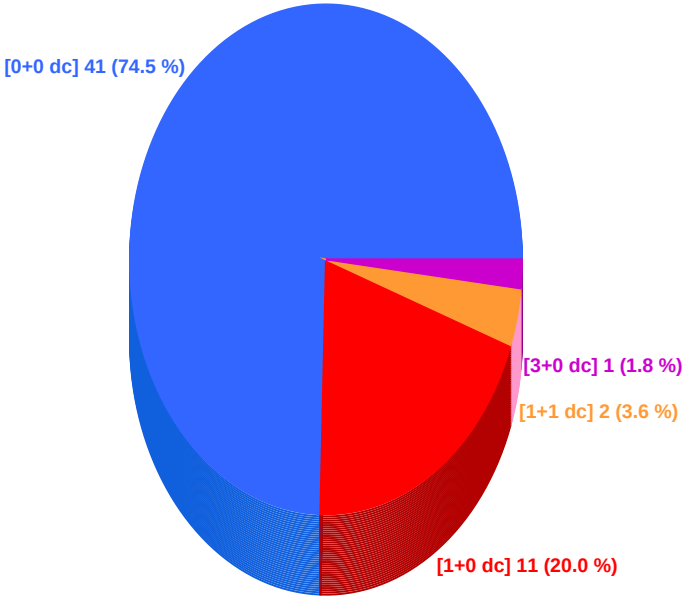
A-OL-Stave-004: (U,L)=(0, 0) bad chips
A-OL-Stave-010: (U,L)=(0, 1) bad chips
A-OL-Stave-012: (U,L)=(0, 1) bad chips
A-OL-Stave-014: (U,L)=(0, 0) bad chips
T-OL-Stave-017: (U,L)=(0, 0) bad chips
T-OL-Stave-023: (U,L)=(0, 0) bad chips
T-OL-Stave-027: (U,L)=(0, 0) bad chips
T-OL-Stave-029: (U,L)=(0, 0) bad chips

Staves qualified this week

B-ML-Stave-027: (U,L)=(0, 0)
B-ML-Stave-029: (U,L)=(0, 0)
B-ML-Stave-030: (U,L)=(0, 0)
B-ML-Stave-031: (U,L)=(0, 0)

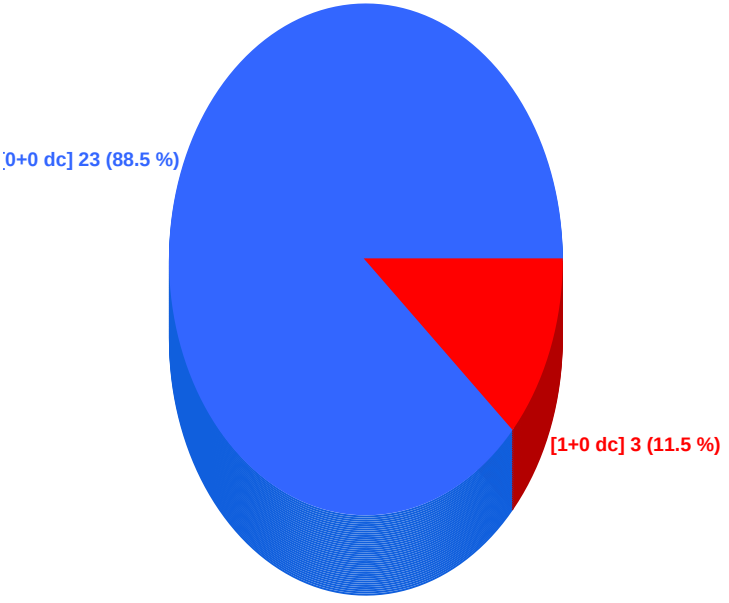
Stave - OL @CERN

98.18 % ok

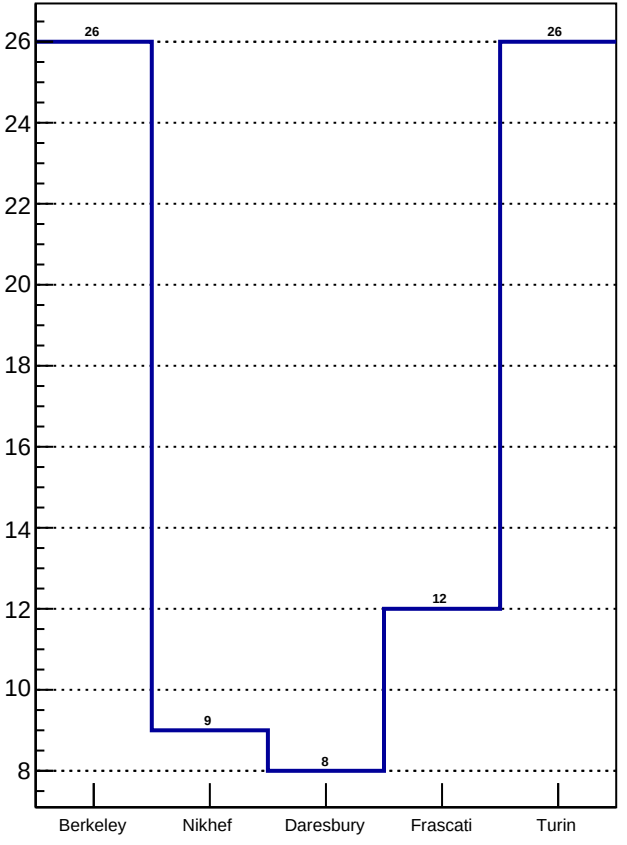


Stave - ML @CERN

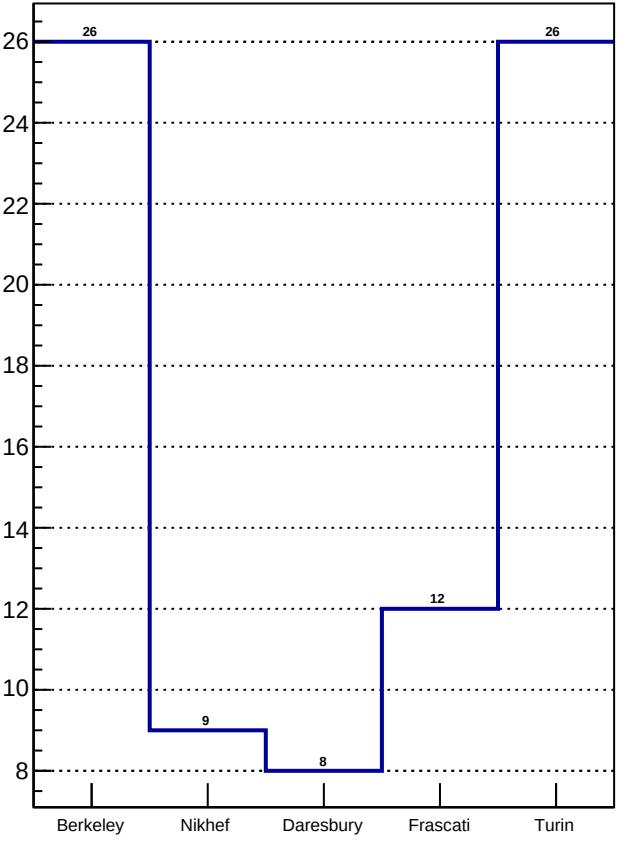
100.00 % ok

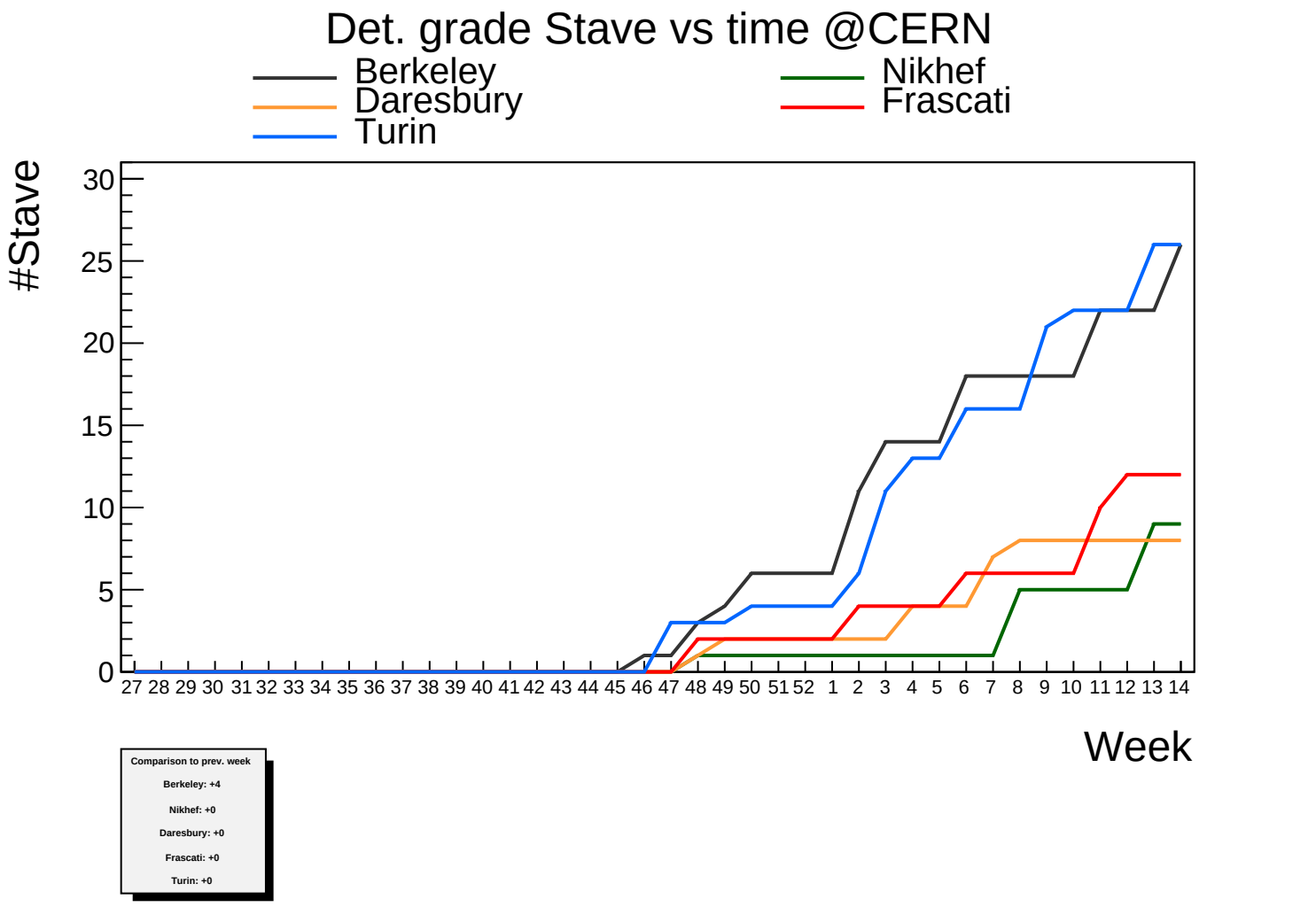


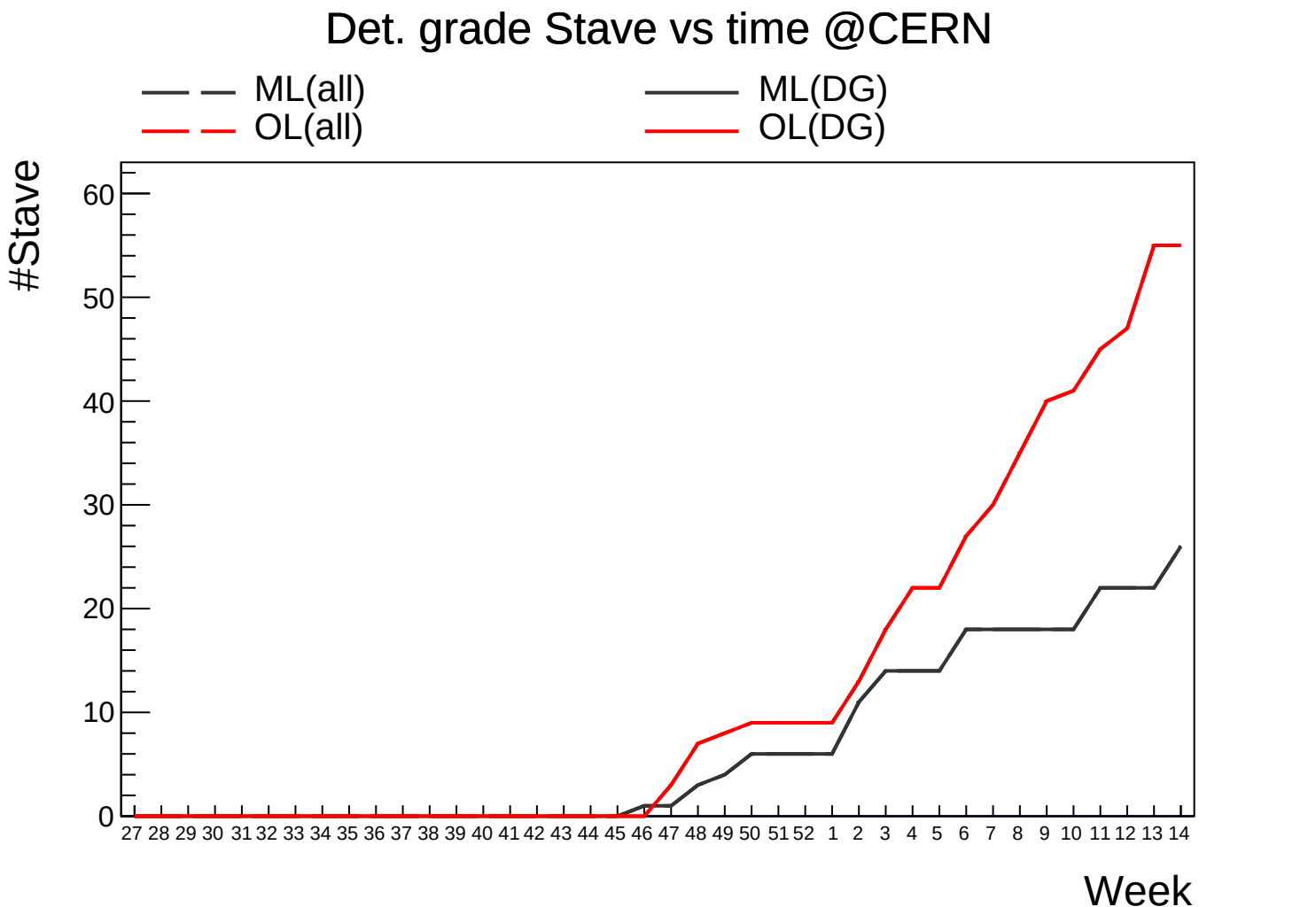
All Stave @CERN



Det. Grade Stave @CERN




Det. grade Stave vs time @CERN
Berkeley
Daresbury
Turin
Nikhef
Frascati
#Stave
0
5
10
15
20
25
30
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week
Comparison to prev. week
Berkeley: +4
Nikhef: +0
Daresbury: +0
Frascati: +0
Turin: +0


Det. grade Stave vs time @CERN
ML(all)
OL(all)
ML(DG)
OL(DG)
#Stave
0
10
20
30
40
50
60
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 2 3 4 5 6 7 8 9 10 11 12 13 14
Week

Qualification rate (December 2018 - prev. week)**

Berkeley: 1.27(all) -- 1.27(DG)

Nikhef: 0.53(all) -- 0.53(DG)

Daresbury: 0.47(all) -- 0.47(DG)

Frascati: 0.67(all) -- 0.67(DG)

Turin: 1.53(all) -- 1.53(DG)

OL: 3.20(all) -- 3.20(DG)

ML: 1.27(all) -- 1.27(DG)

****Christmas holiday excluded (2 weeks)**

HS without a Stave

HSs (DG) not yet tested as Stave

D-OL-HS-U-008: 0 bad chips
B-ML-HS-L-014: 0 bad chips
B-ML-HS-U-014: 0 bad chips
A-OL-HS-L-012: 0 bad chips
A-OL-HS-L-013: 0 bad chips
A-OL-HS-U-009: 2 bad chips
A-OL-HS-U-017: 0 bad chips
D-OL-HS-L-008: 0 bad chips
D-OL-HS-L-010: 0 bad chips
D-OL-HS-L-016: 0 bad chips
D-OL-HS-L-017: 0 bad chips
D-OL-HS-U-016: 0 bad chips
D-OL-HS-U-017: 0 bad chips
F-OL-HS-L-005: 0 bad chips
F-OL-HS-L-013: 1 bad chips
F-OL-HS-L-020: 0 bad chips
F-OL-HS-L-023: 0 bad chips
F-OL-HS-U-004: 0 bad chips
F-OL-HS-U-005: 0 bad chips
F-OL-HS-U-013: 0 bad chips
F-OL-HS-U-020: 0 bad chips
F-OL-HS-U-022: 0 bad chips
F-OL-HS-L-002: 0 bad chips
T-OL-HS-L-031: 0 bad chips
T-OL-HS-U-032: 0 bad chips

HSs (non-DG) not yet tested as Stave

A-OL-HS-L-004: 14 bad chips -> rework(?)

F-OL-HS-U-002: 8 bad chips -> rework(?)

Stave not DG

Staves not DG

A-OL-Stave-001: (U,L) = (2, 14) bad chips
A-OL-Stave-002: (U,L) = (7, 49) bad chips
A-OL-Stave-003: (U,L) = (98, 98) bad chips
D-OL-Stave-001: (U,L) = (0, 22) bad chips
F-OL-Stave-001: (U,L) = (43, 14) bad chips
B-ML-Stave-001: (U,L) = (2, 0) bad chips
T-OL-Stave-002: (U,L) = (7, 1) bad chips
T-OL-Stave-003: (U,L) = (6, 2) bad chips