Stave production monitoring

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30/09/2019

Monitoring from January 2018 to 30/09/2019

Stave meeting

HS monitoring

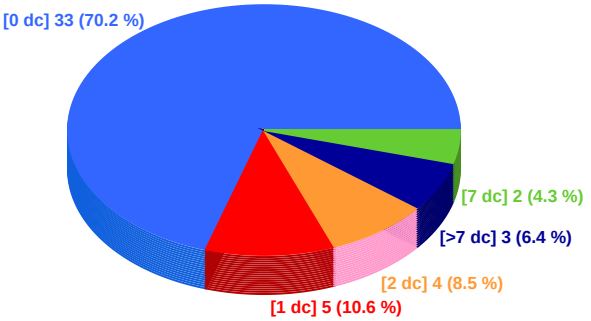
HSs of previous week

B-ML-HS-U-068: 1 bad chips
B-ML-HS-L-058: 0 bad chips

HSs of this week

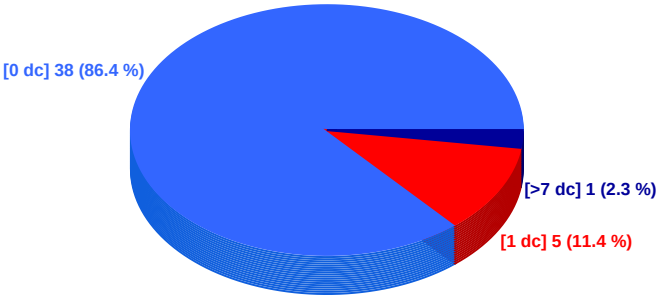
HS - Nikhef

89.36 % ok



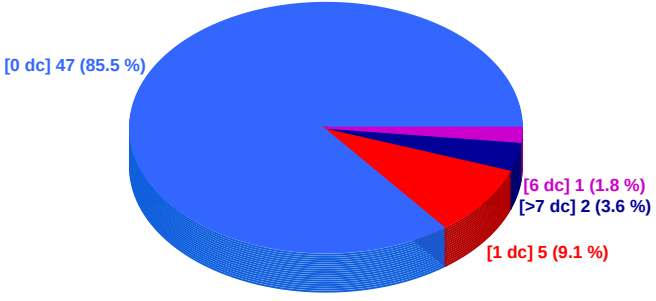
HS - Daresbury

97.73 % ok



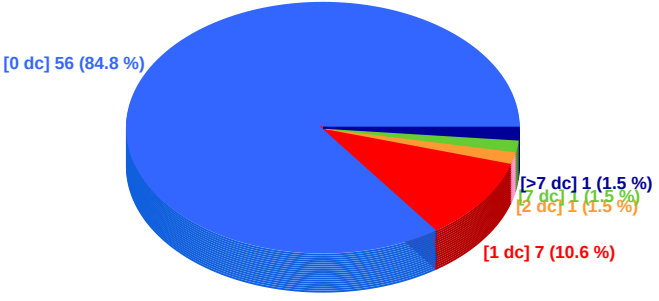
HS - Frascati

94.55 % ok



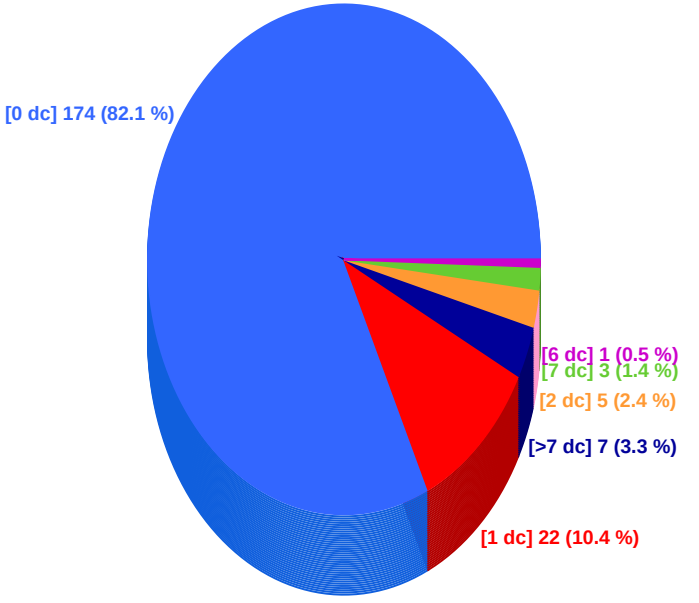
HS - Turin

96.97 % ok



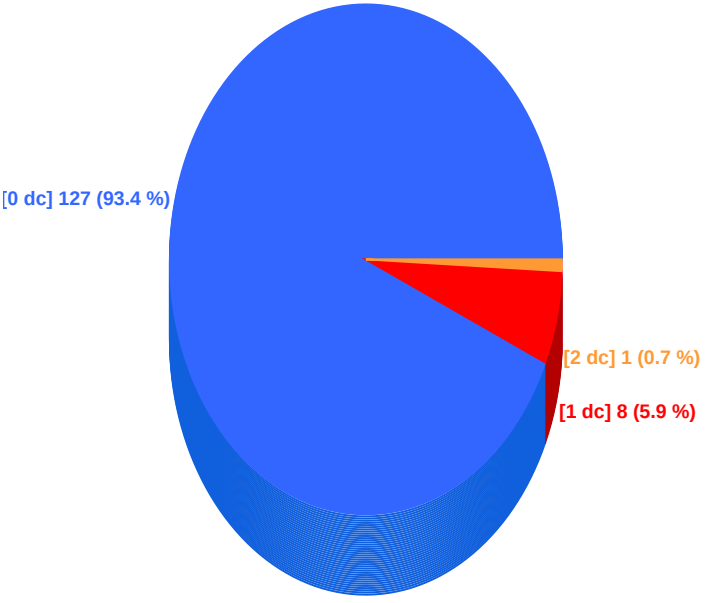
HS - OL

94.81 % ok

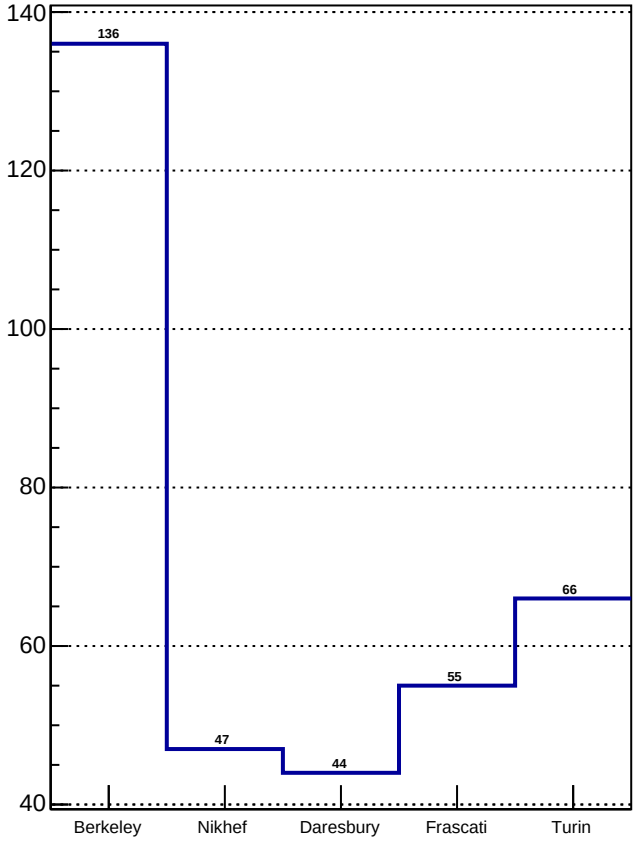


HS - ML

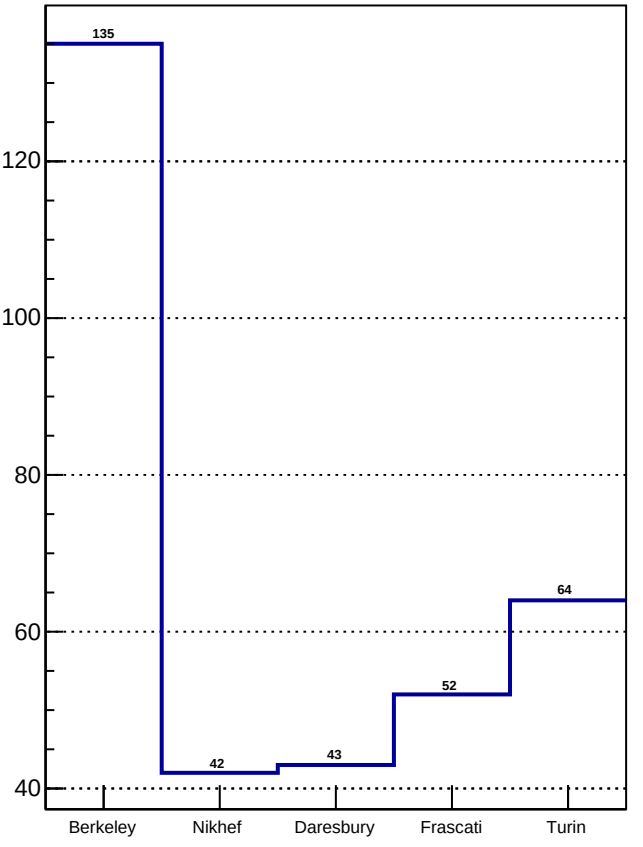
99.26 % ok

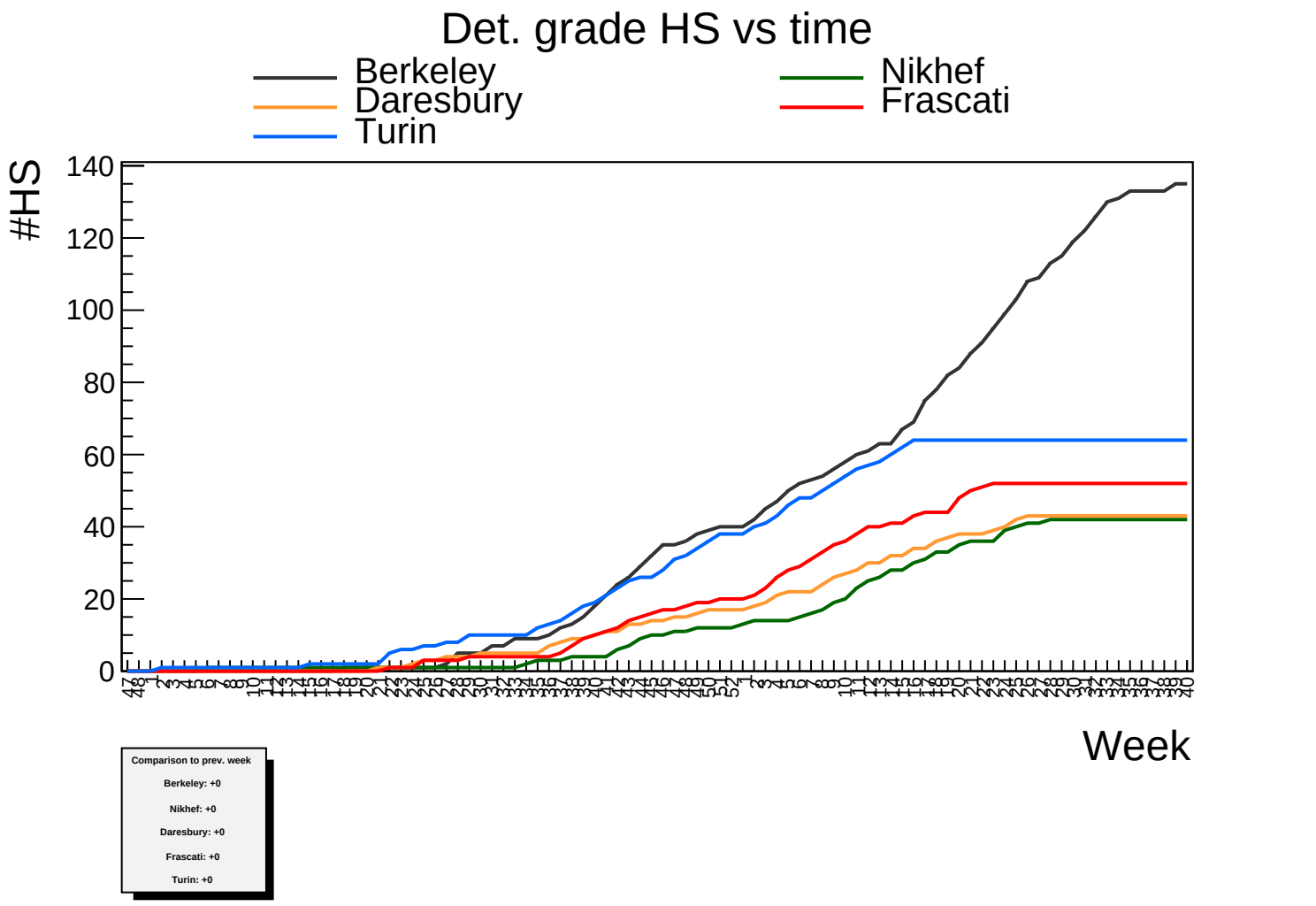


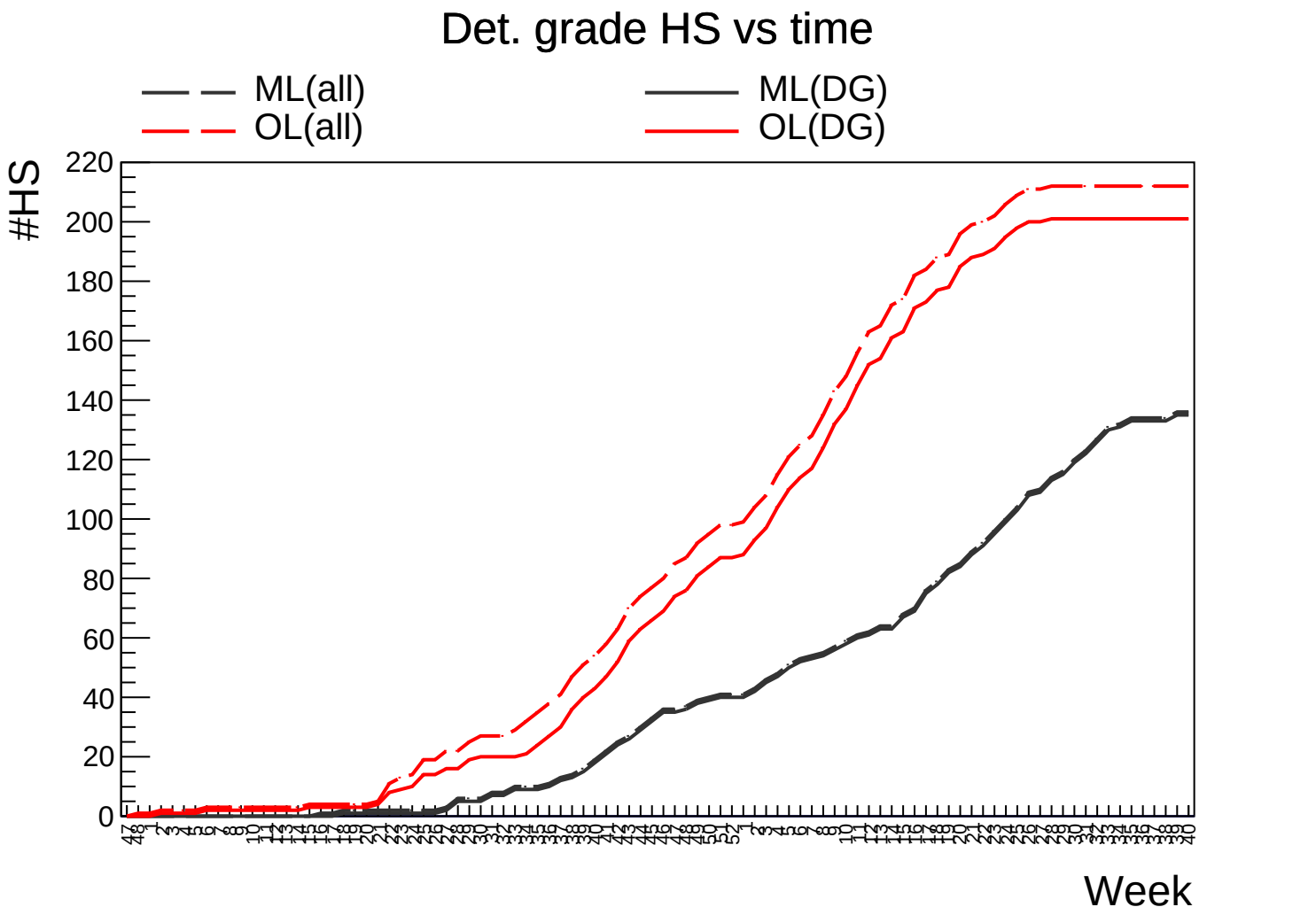
All HS

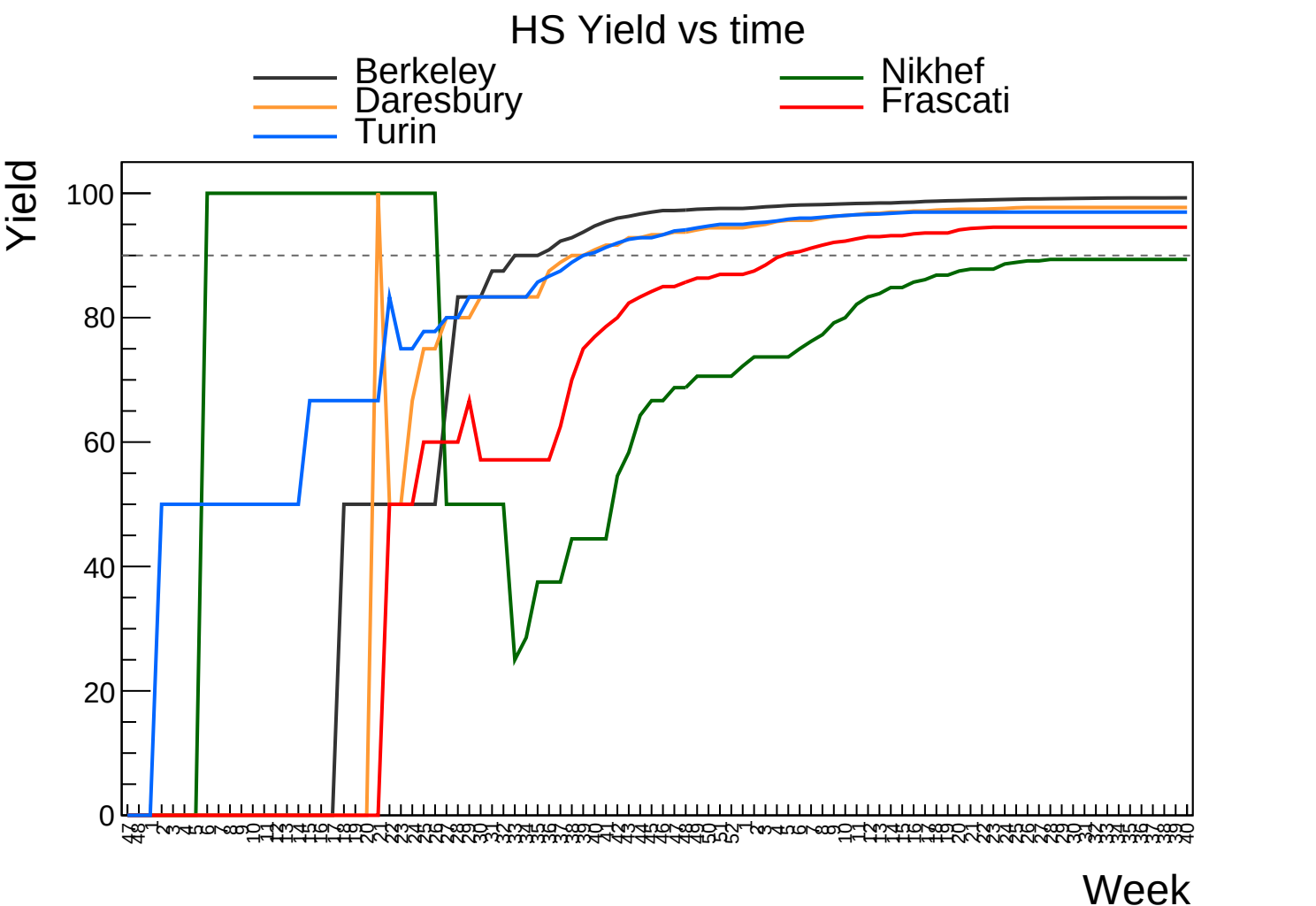


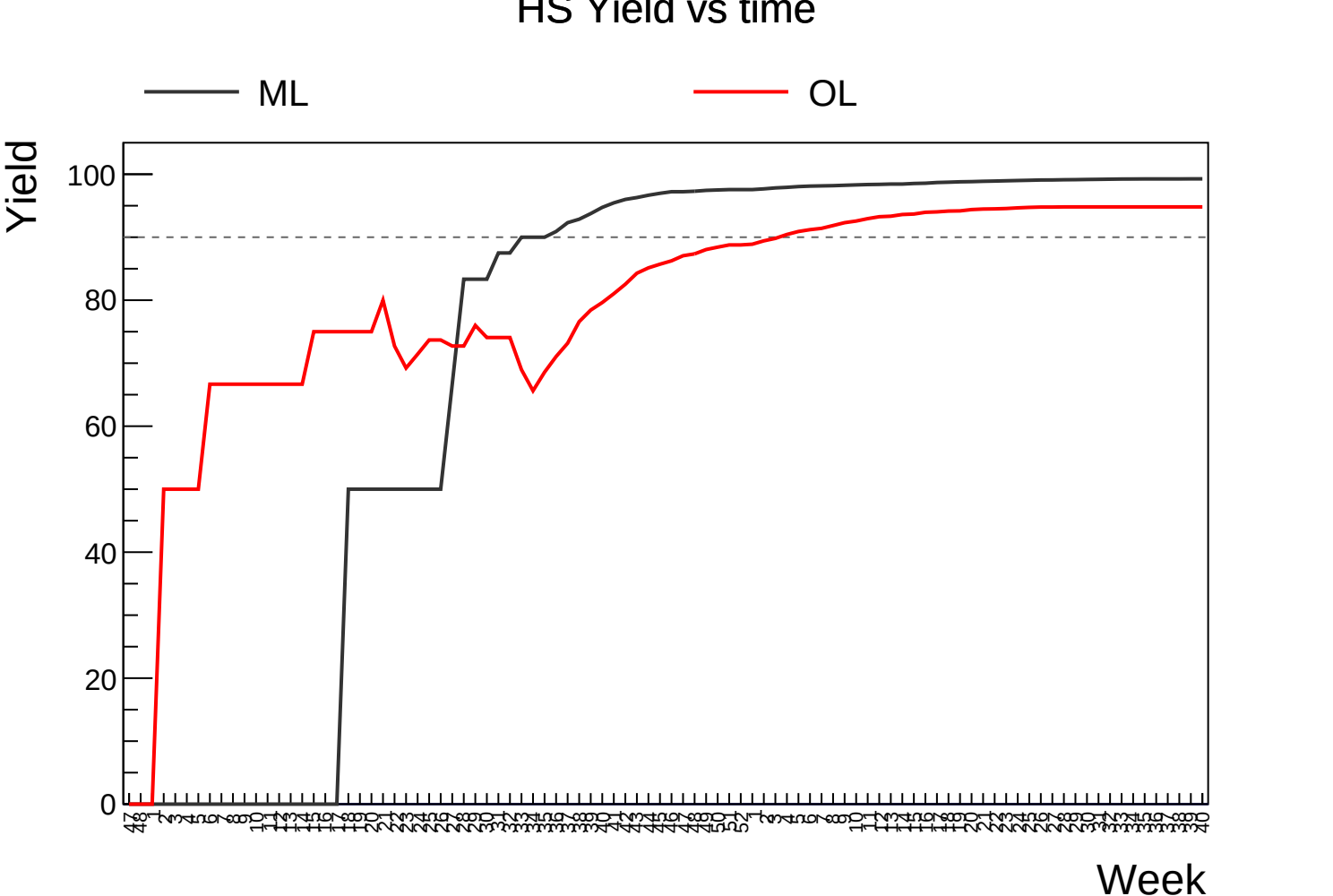
Det. Grade HS




Det. grade HS vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
#HS
0
20
40
60
80
100
120
140
Week
Comparison to prev. week
Berkeley: +0
Nikhef: +0
Daresbury: +0
Frascati: +0
Turin: +0


Det. grade HS vs time
ML(all)
OL(all)
ML(DG)
OL(DG)
#HS
220
200
180
160
140
120
100
80
60
40
20
0
Week


HS Yield vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
Yield
100
80
60
40
20
0
Week


HS Yield vs time
ML
OL
Yield
100
80
60
40
20
0
Week

Stave monitoring

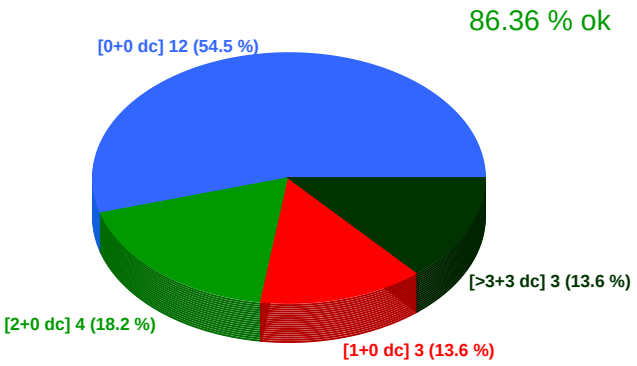
Staves of previous week

R-OL-Stave-002: (U,L)=(2, 0) bad chips
F-OL-Stave-024: (U,L)=(0, 0) bad chips
A-OL-Stave-023: (U,L)=(0, 0) bad chips
A-OL-Stave-021: (U,L)=(0, 0) bad chips
B-ML-Stave-067: (U,L)=(0, 0) bad chips
B-ML-Stave-066: (U,L)=(0, 0) bad chips
B-ML-Stave-062: (U,L)=(0, 0) bad chips

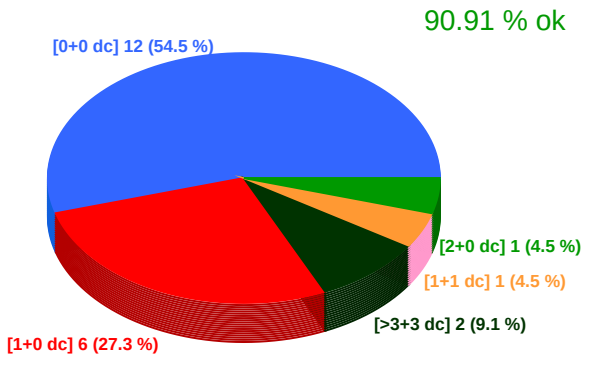
Staves of this week

B-ML-Stave-064: (U,L)=(0, 0) bad chips
B-ML-Stave-061: (U,L)=(0, 0) bad chips

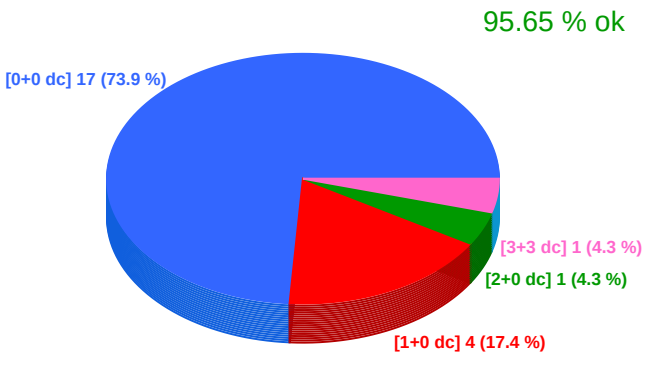
Stave - Nikhef



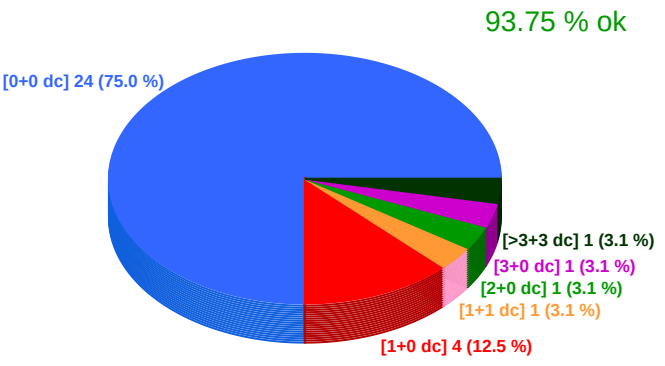
Stave - Daresbury



Stave - Frascati

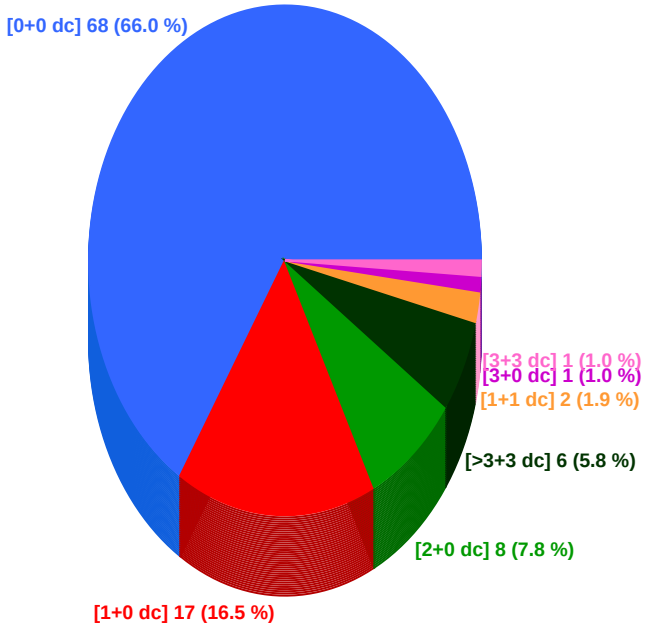


Stave - Turin



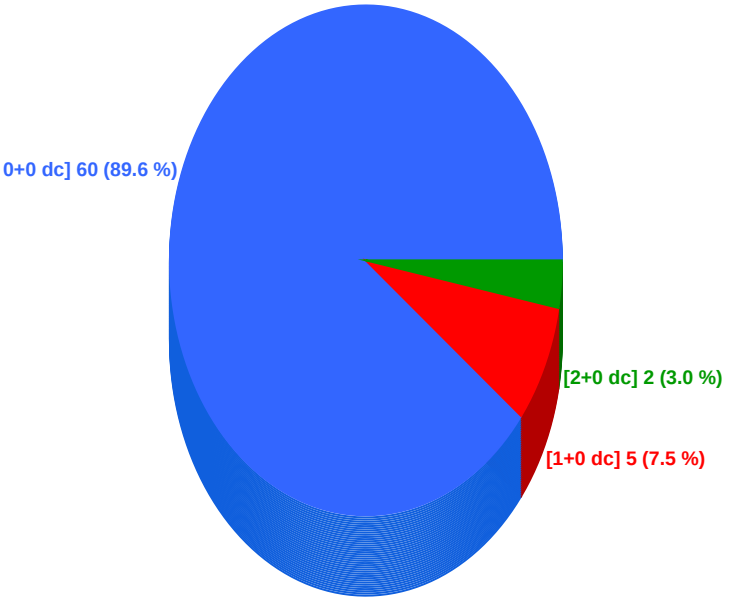
Stave - OL (includes rwk)

92.23 % ok

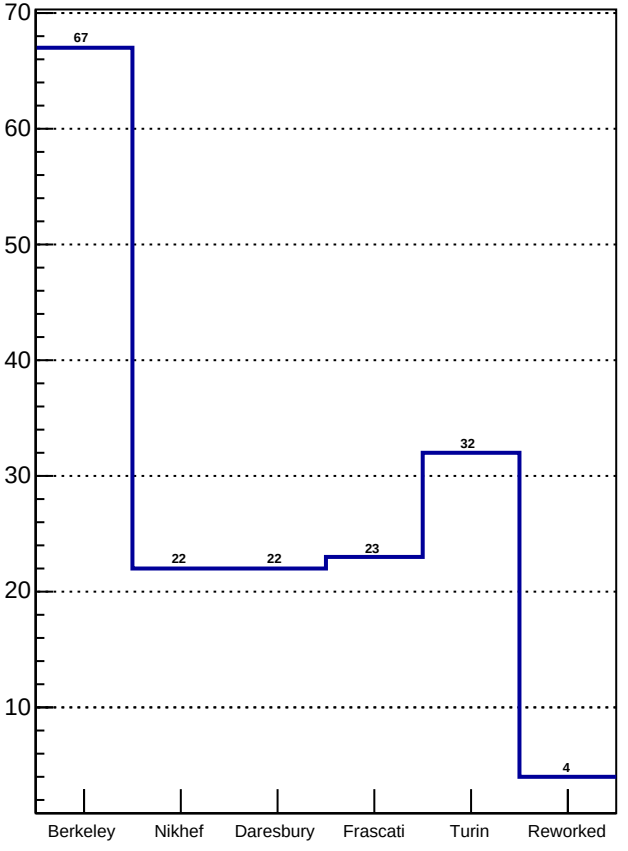


Stave - ML

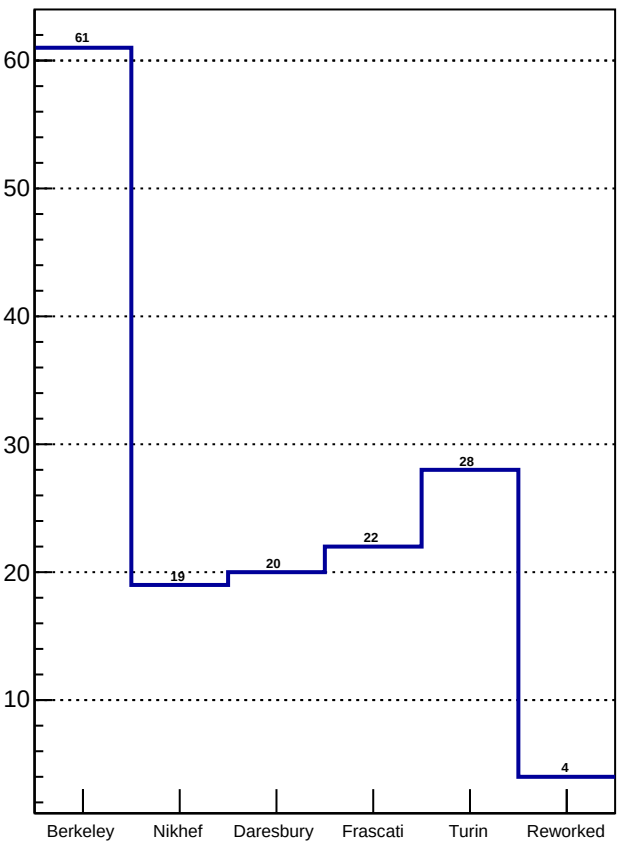
97.01 % ok

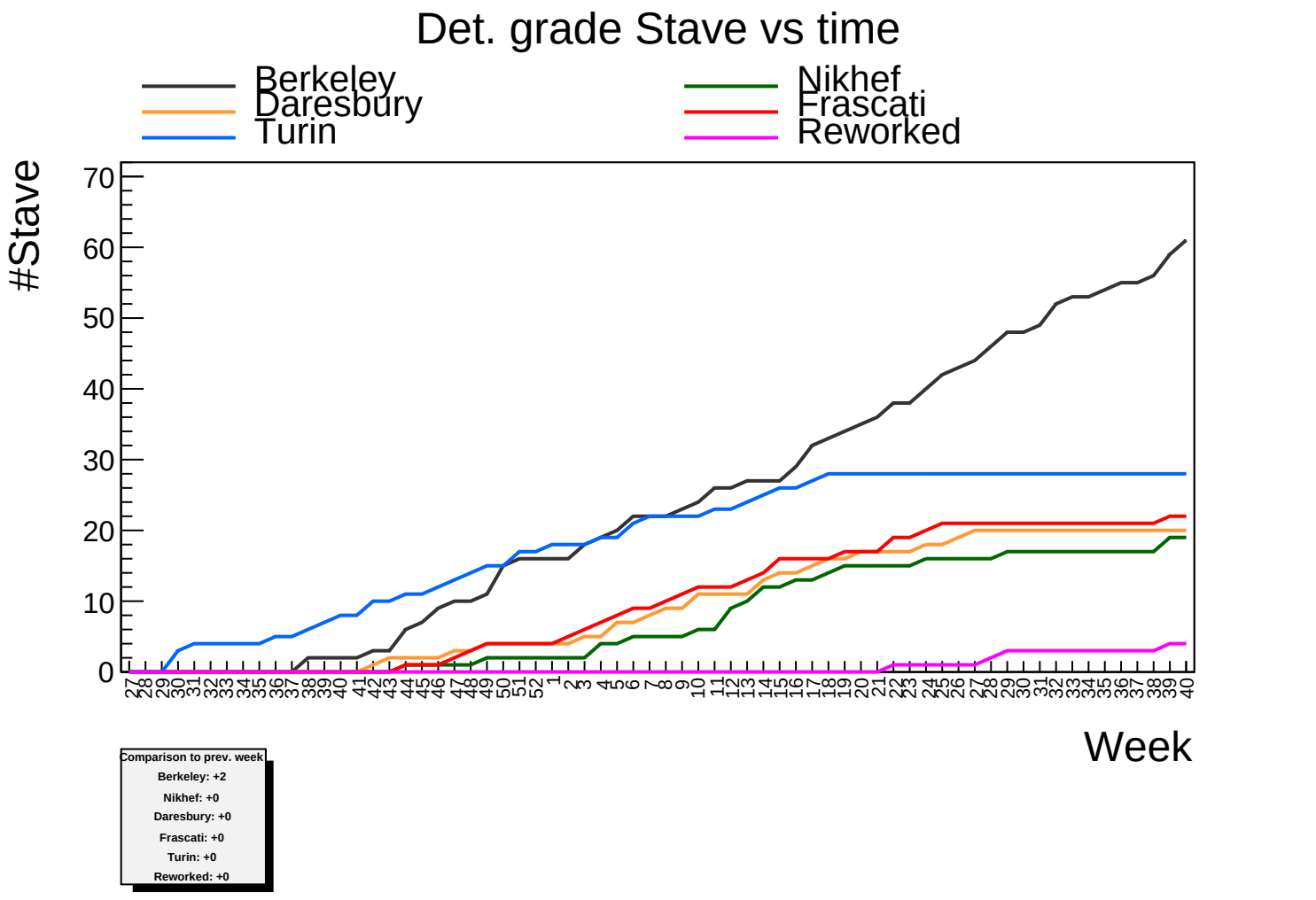


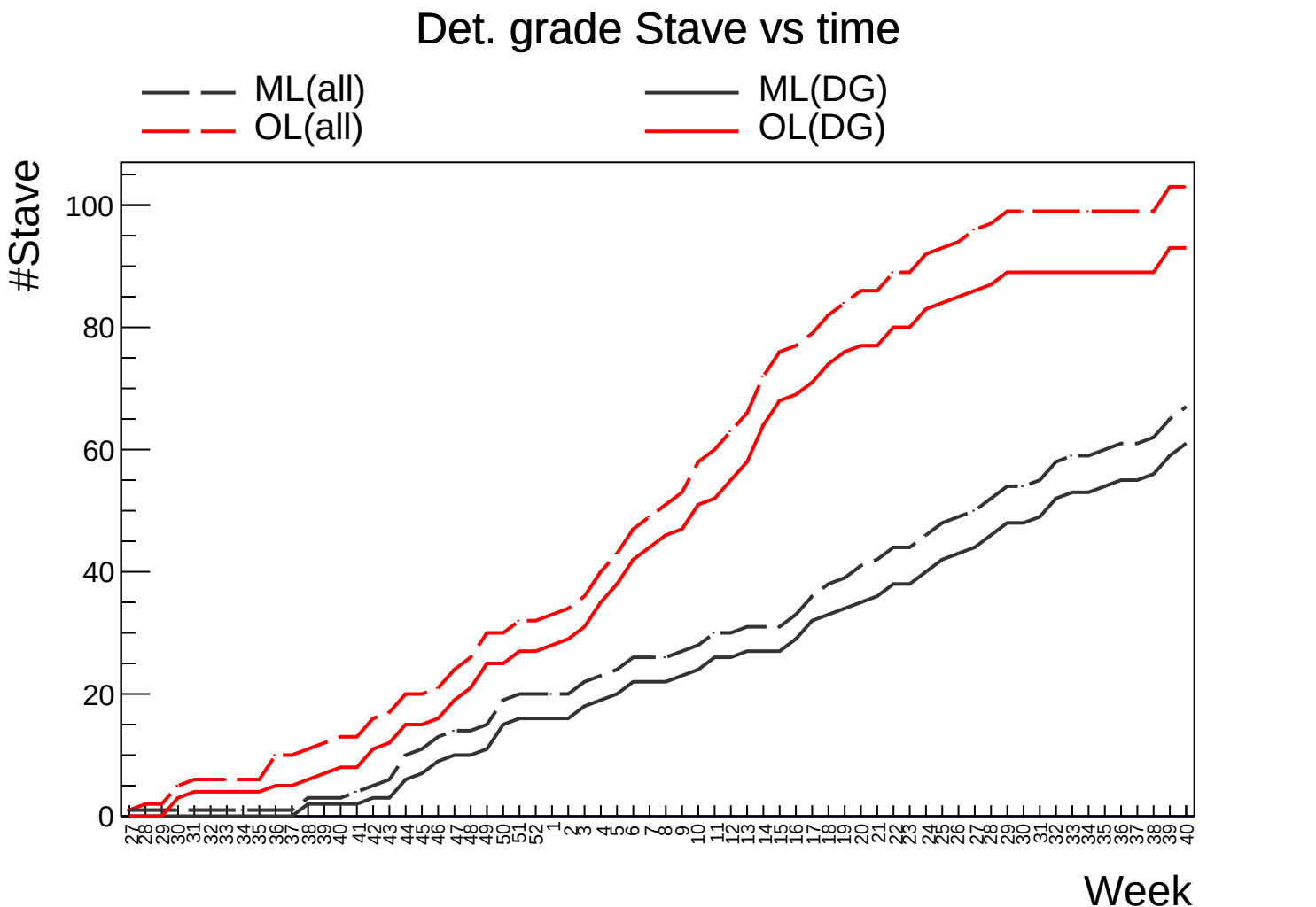
All Stave

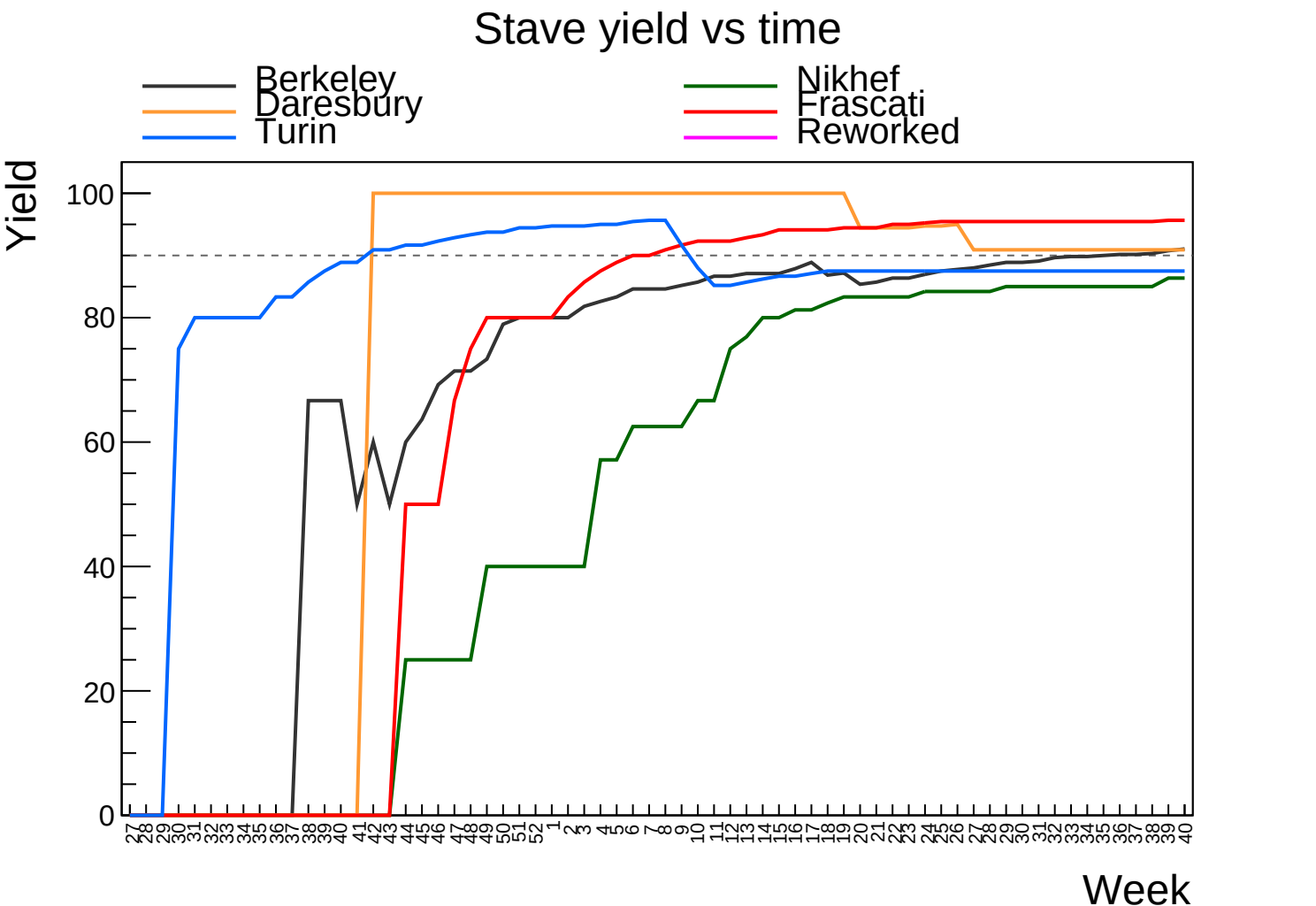


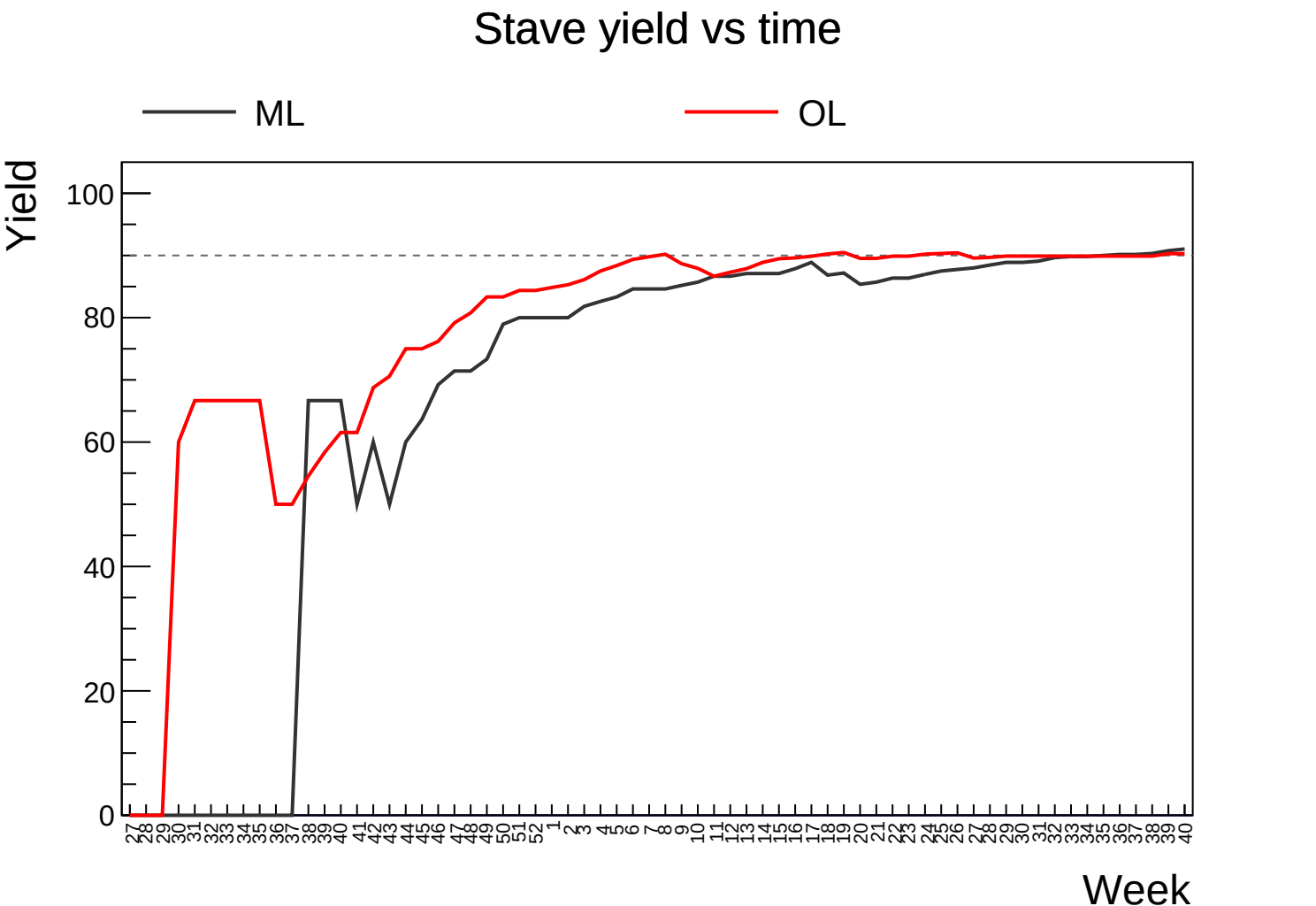
Det. Grade Stave




Det. grade Stave vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
Reworked
#Stave
Week
Comparison to prev. week
Berkeley: +2
Nikhef: +0
Daresbury: +0
Frascati: +0
Turin: +0
Reworked: +0


Det. grade Stave vs time
ML(all)
OL(all)
ML(DG)
OL(DG)
#Stave
0
20
40
60
80
100
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 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
Week


Stave yield vs time
Berkeley
Daresbury
Turin
Nikhef
Frascati
Reworked
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 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
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 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
Week

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

→ Berkeley: 1.24(all) -- 1.14(DG)

→ Nikhef: 0.38(all) -- 0.38(DG)

→ Daresbury: 0.44(all) -- 0.40(DG)

→ Frascati: 0.44(all) -- 0.44(DG)

→ Turin: 0.79(all) -- 0.69(DG) → Prod. ended

OL: 2.05(all) -- 1.91(DG)

ML: 1.24(all) -- 1.14(DG)

Rework rate (from June 1st, 2019): 0.22(all) -- 0.22(DG)

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

Production rate 2019 (month by month)**

January

→ **Berkeley: 1.00(all) -- 1.00(DG)**
→ **Nikhef: 0.50(all) -- 0.50(DG)**
→ **Daresbury: 0.75(all) -- 0.75(DG)**
→ **Frascati: 1.00(all) -- 1.00(DG)**
→ **Turin: 0.25(all) -- 0.25(DG)**
OL: 2.50(all) -- 2.50(DG)
ML: 1.00(all) -- 1.00(DG)

February

→ **Berkeley: 0.80(all) -- 0.80(DG)**
→ **Nikhef: 0.20(all) -- 0.20(DG)**
→ **Daresbury: 0.80(all) -- 0.80(DG)**
→ **Frascati: 0.80(all) -- 0.80(DG)**
→ **Turin: 0.80(all) -- 0.60(DG)**
OL: 2.60(all) -- 2.40(DG)
ML: 0.80(all) -- 0.80(DG)

March

→ **Berkeley: 1.00(all) -- 1.00(DG)**
→ **Nikhef: 1.00(all) -- 1.00(DG)**
→ **Daresbury: 0.40(all) -- 0.40(DG)**
→ **Frascati: 0.60(all) -- 0.60(DG)**
→ **Turin: 1.00(all) -- 0.40(DG)**
OL: 3.00(all) -- 2.40(DG)
ML: 1.00(all) -- 1.00(DG)

April

→ **Berkeley: 1.40(all) -- 1.20(DG)**
→ **Nikhef: 0.80(all) -- 0.80(DG)**
→ **Daresbury: 1.00(all) -- 1.00(DG)**
→ **Frascati: 0.60(all) -- 0.60(DG)**
→ **Turin: 0.80(all) -- 0.80(DG)**
OL: 3.20(all) -- 3.20(DG)
ML: 1.40(all) -- 1.20(DG)

May

→ **Berkeley: 1.60(all) -- 1.20(DG)**
→ **Nikhef: 0.40(all) -- 0.40(DG)**
→ **Daresbury: 0.60(all) -- 0.40(DG)**
→ **Frascati: 0.60(all) -- 0.60(DG)**
→ **Turin: Production ended**
OL: 1.60(all) -- 1.40(DG)
ML: 1.60(all) -- 1.20(DG)

June

→ **Berkeley: 1.25(all) -- 1.25(DG)**
→ **Nikhef: 0.25(all) -- 0.25(DG)**
→ **Daresbury: 0.50(all) -- 0.50(DG)**
→ **Frascati: 0.50(all) -- 0.50(DG)**
→ **Turin: 0.00(all) -- 0.00(DG)**
OL: 1.25(all) -- 1.25(DG)
ML: 1.25(all) -- 1.25(DG)

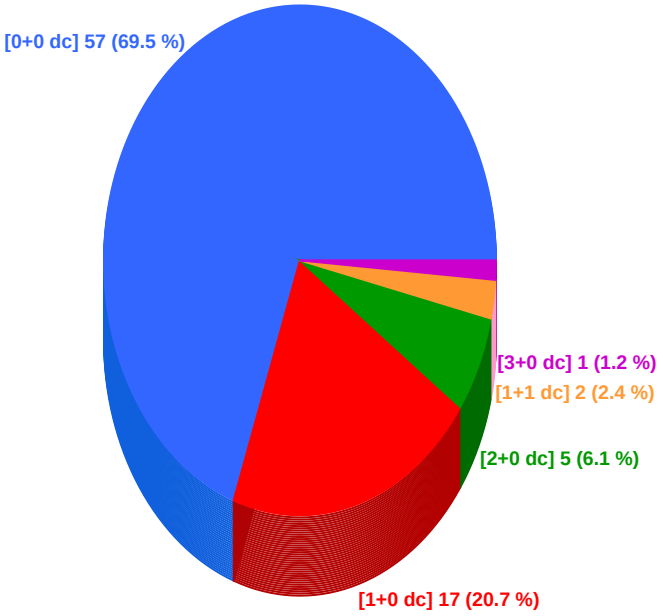
Stave reception @CERN

Staves qualified in the previous week

Staves qualified this week

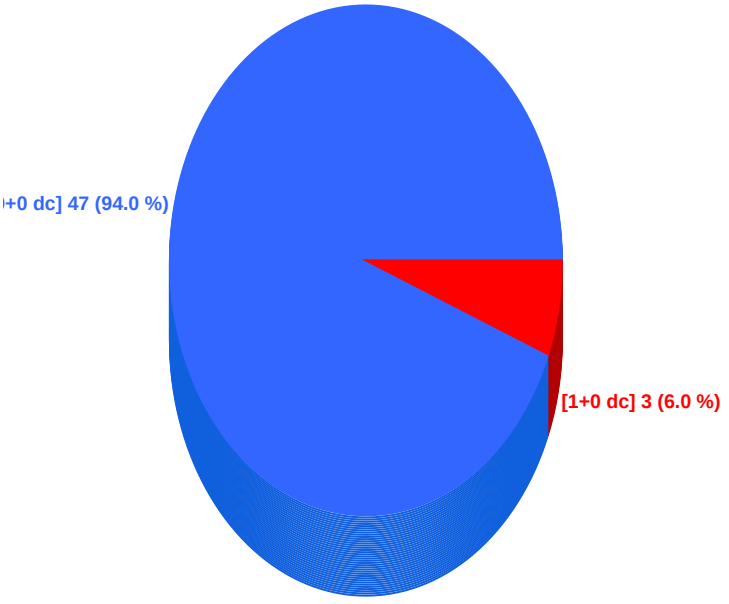
Stave - OL @CERN

98.78 % ok

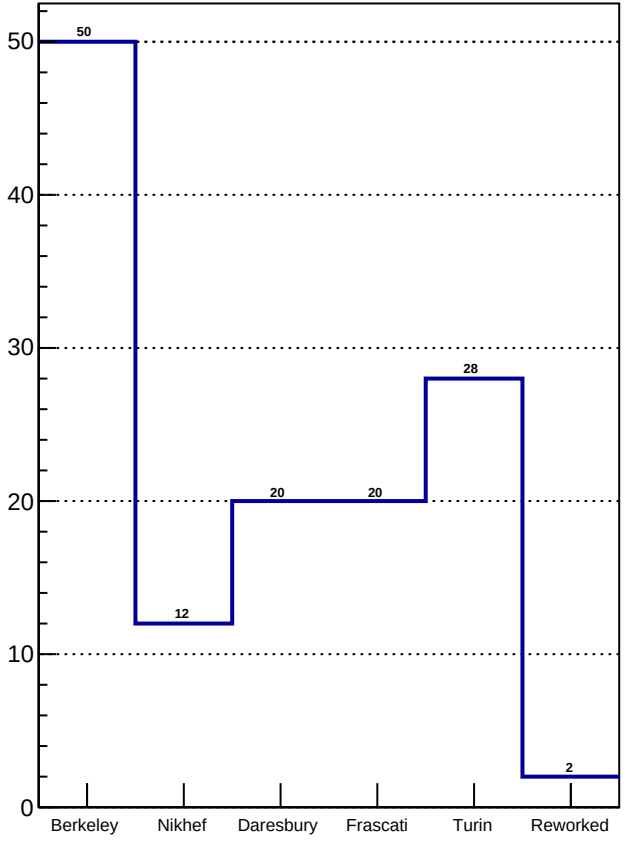


Stave - ML @CERN

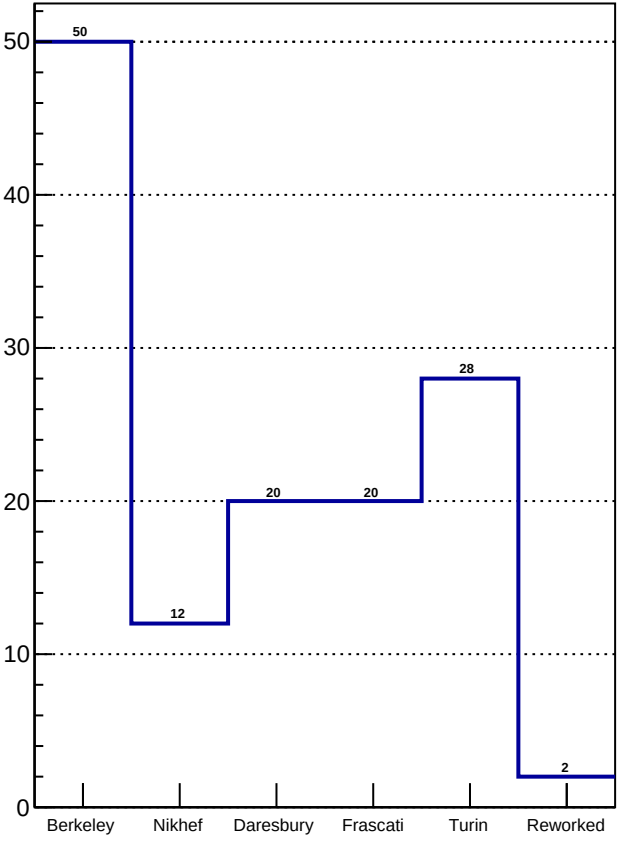
100.00 % ok

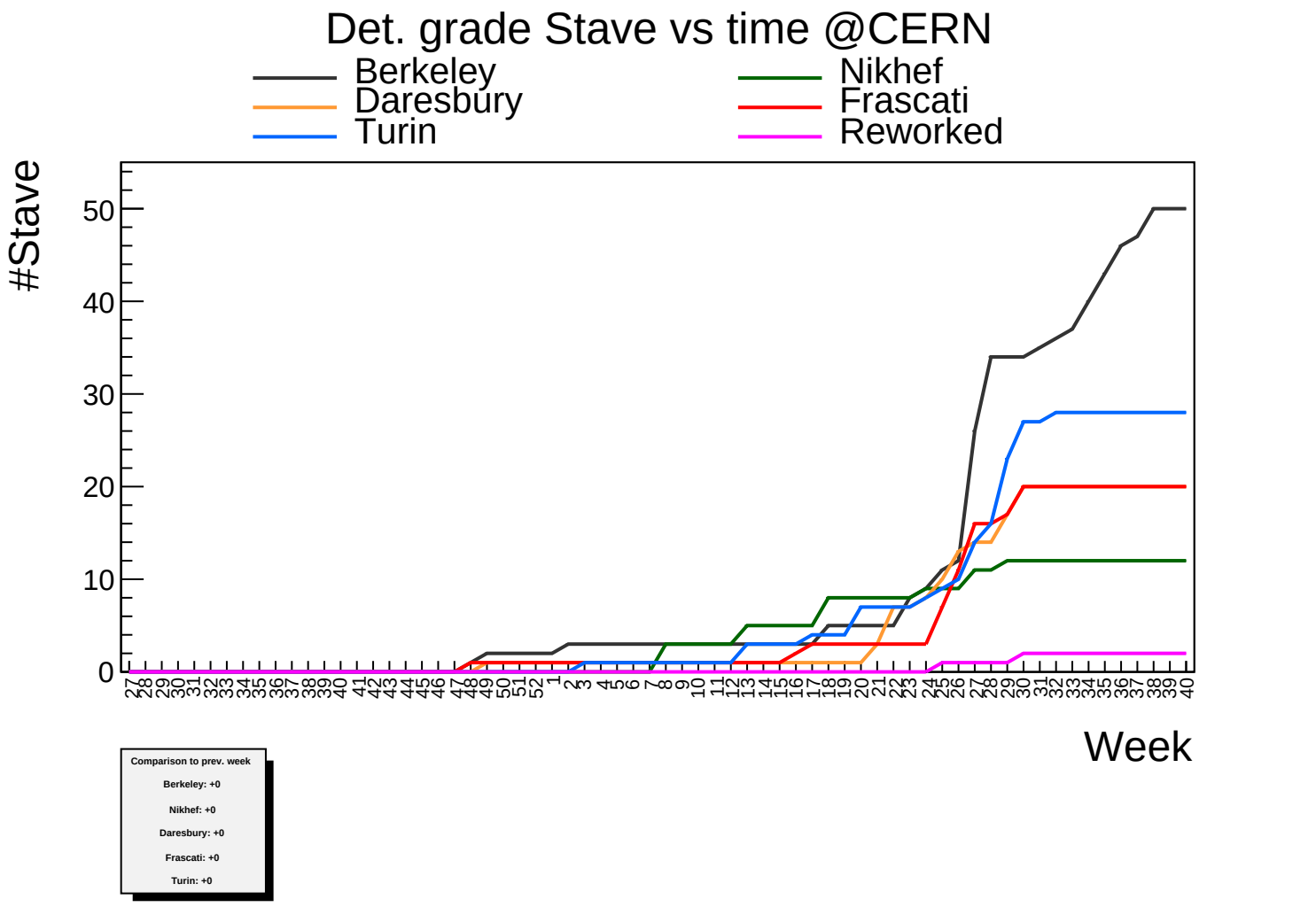


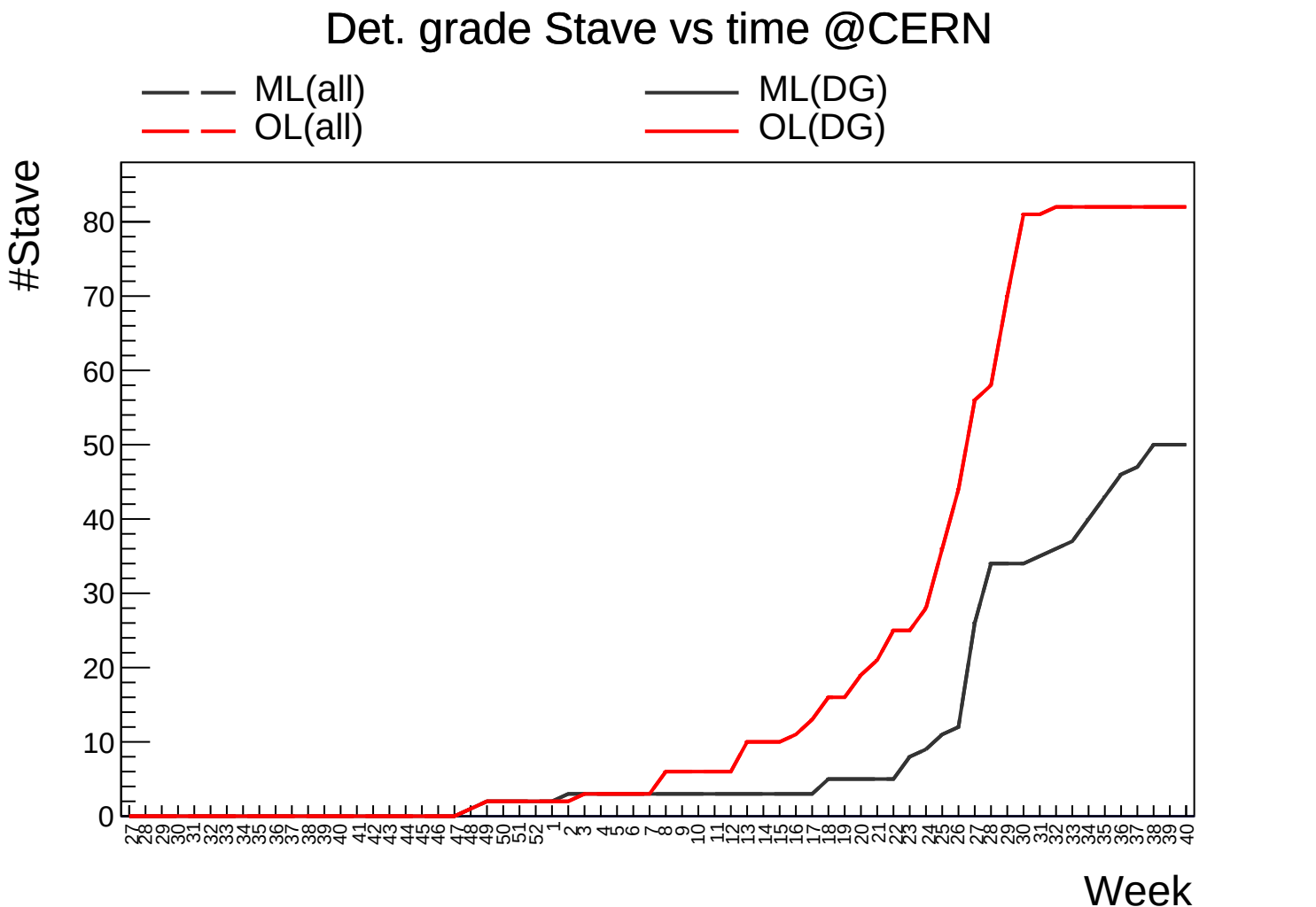
All Stave @CERN



Det. Grade Stave @CERN




Det. grade Stave vs time @CERN
Berkeley
Daresbury
Turin
Nikhef
Frascati
Reworked
#Stave
0
10
20
30
40
50
Week
Comparison to prev. week
Berkeley: +0
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
70
80
Week

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

Berkeley: 1.20(all) -- 1.20(DG)

Nikhef: 0.29(all) -- 0.29(DG)

Daresbury: 0.49(all) -- 0.49(DG)

Frascati: 0.46(all) -- 0.46(DG)

Turin: 0.68(all) -- 0.68(DG)

OL: 1.93(all) -- 1.93(DG)

ML: 1.20(all) -- 1.20(DG)

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

HS without a Stave

HSs (DG) not yet tested as Stave

A-OL-HS-U-009: 2 bad chips

F-OL-HS-U-027: 0 bad chips

F-OL-HS-U-026: 0 bad chips

F-OL-HS-U-025: 0 bad chips

F-OL-HS-L-027: 0 bad chips

F-OL-HS-L-026: 0 bad chips

F-OL-HS-L-025: 0 bad chips

A-OL-HS-U-022: 0 bad chips

A-OL-HS-L-023: 0 bad chips

B-ML-HS-U-068: 1 bad chips

B-ML-HS-L-058: 0 bad chips

HSs (non-DG) not yet tested as Stave

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

Stave not DG

Staves not DG - reworkable

D-OL-Stave-008: (U,L) = (0, 14) bad chips
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) = (0, 28) bad chips
F-OL-Stave-002: (U,L) = (3, 3) bad chips
T-OL-Stave-003: (U,L) = (6, 2) bad chips
D-OL-Stave-001: (U,L) = (7, 13) bad chips

Staves not DG - not reworkable

B-ML-Stave-039: (U,L) = (0, 2) bad chips
B-ML-Stave-001: (U,L) = (2, 0) bad chips