

Stave production monitoring

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30/10/2019

Monitoring from January 2018 to 30/10/2019

Stave meeting

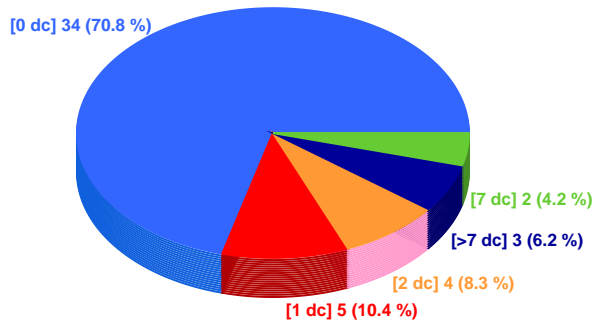
HS monitoring

HSs of previous week

HSs of this week

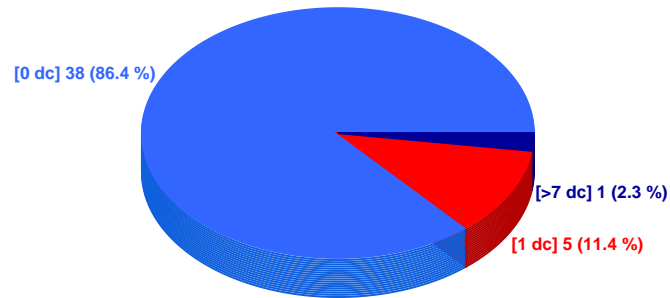
HS - Nikhef

89.58 % ok



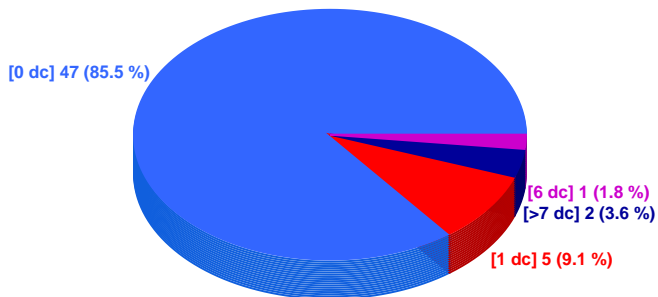
HS - Daresbury

97.73 % ok



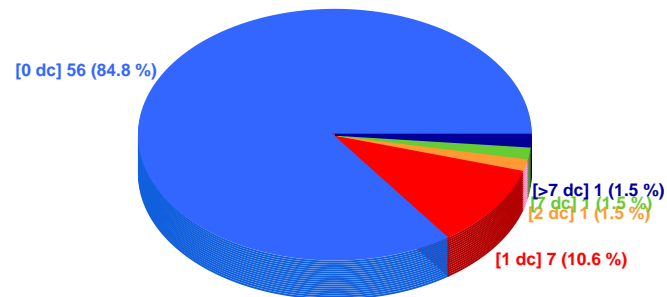
HS - Frascati

94.55 % ok



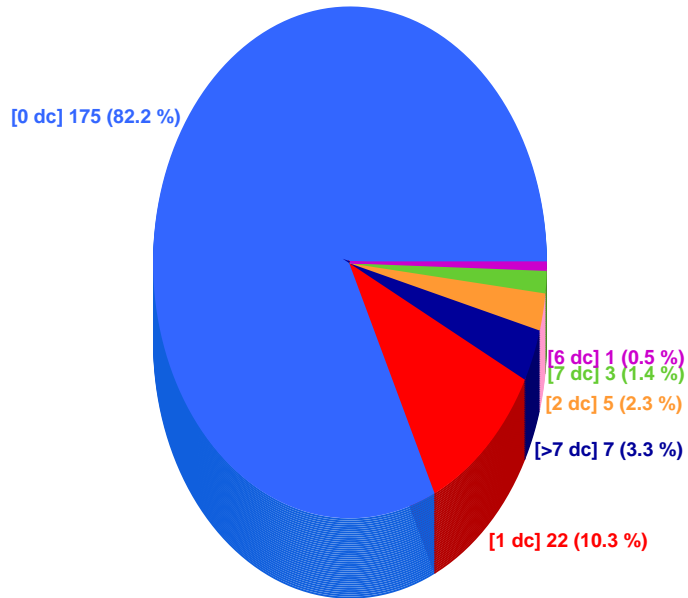
HS - Turin

96.97 % ok



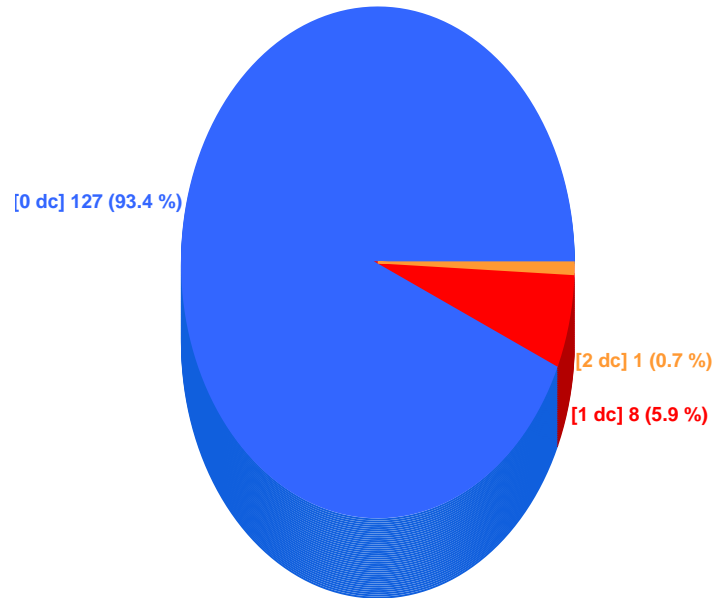
HS - OL

94.84 % ok

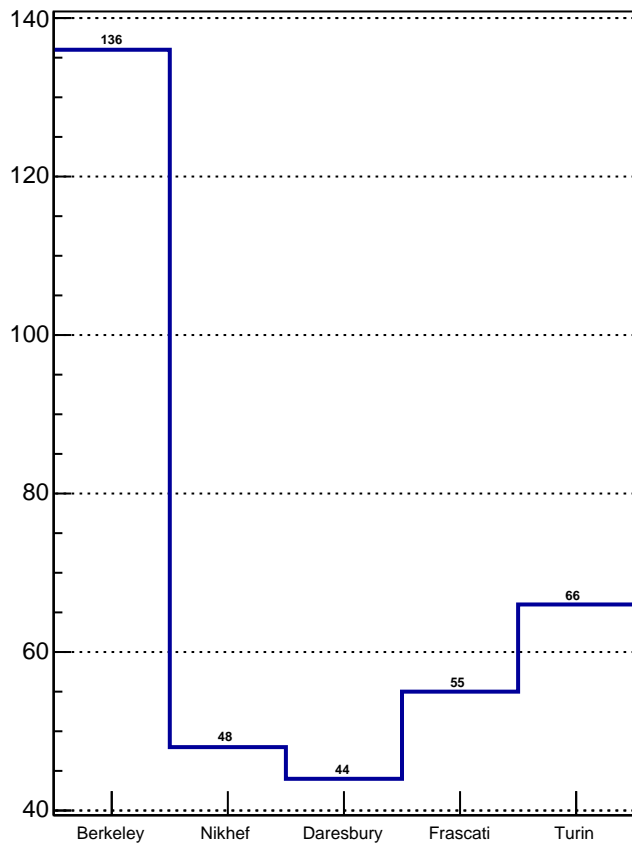


HS - ML

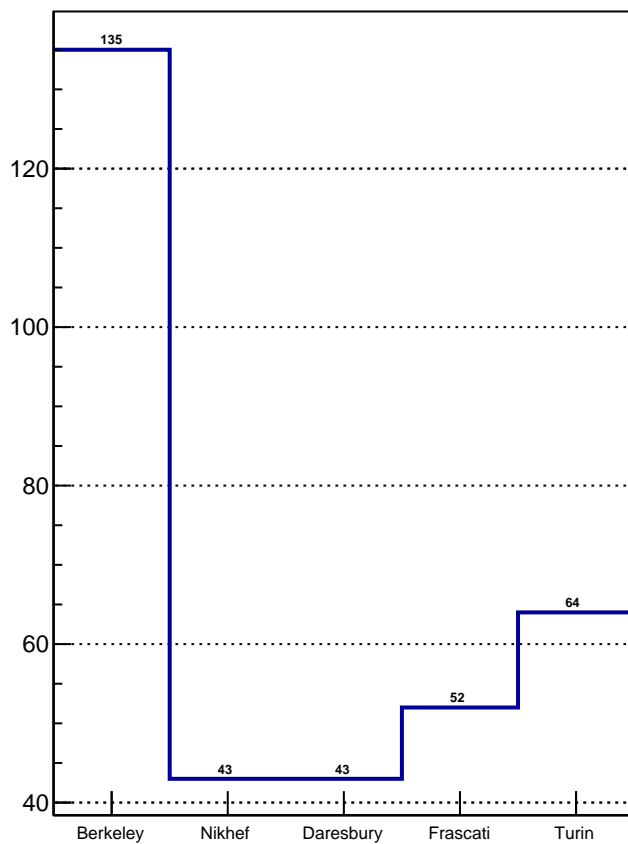
99.26 % ok



All HS



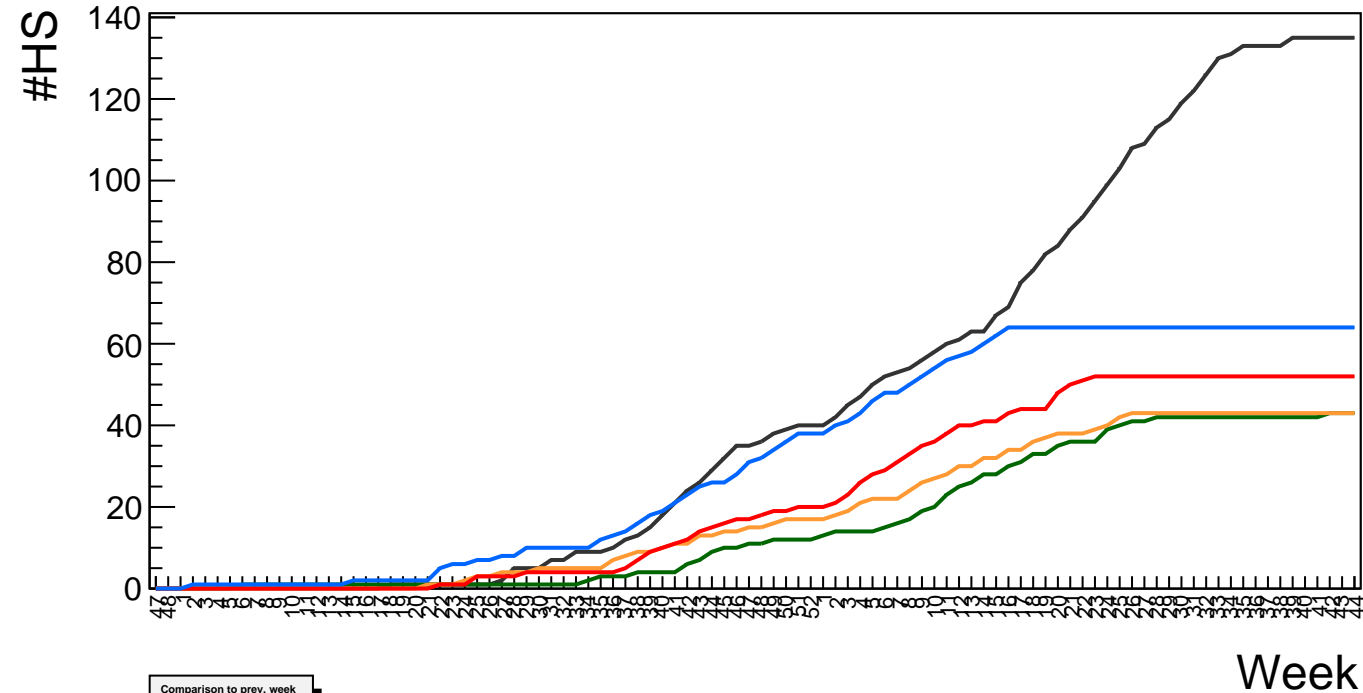
Det. Grade HS



Det. grade HS vs time

Berkeley
Daresbury
Turin

Nikhef
Frascati



Comparison to prev. week

Berkeley: +0

Nikhef: +0

Daresbury: +0

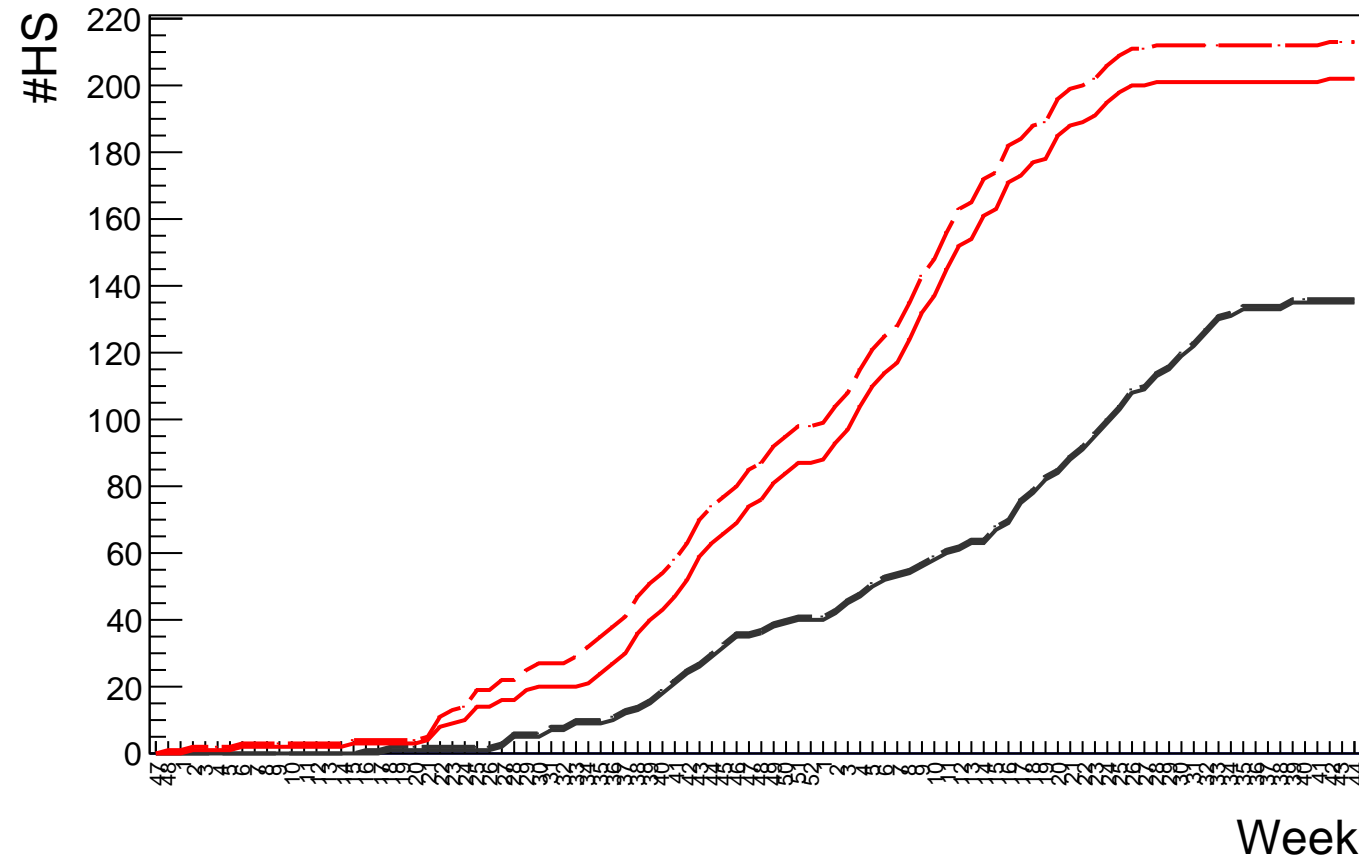
Frascati: +0

Turin: +0

Det. grade HS vs time

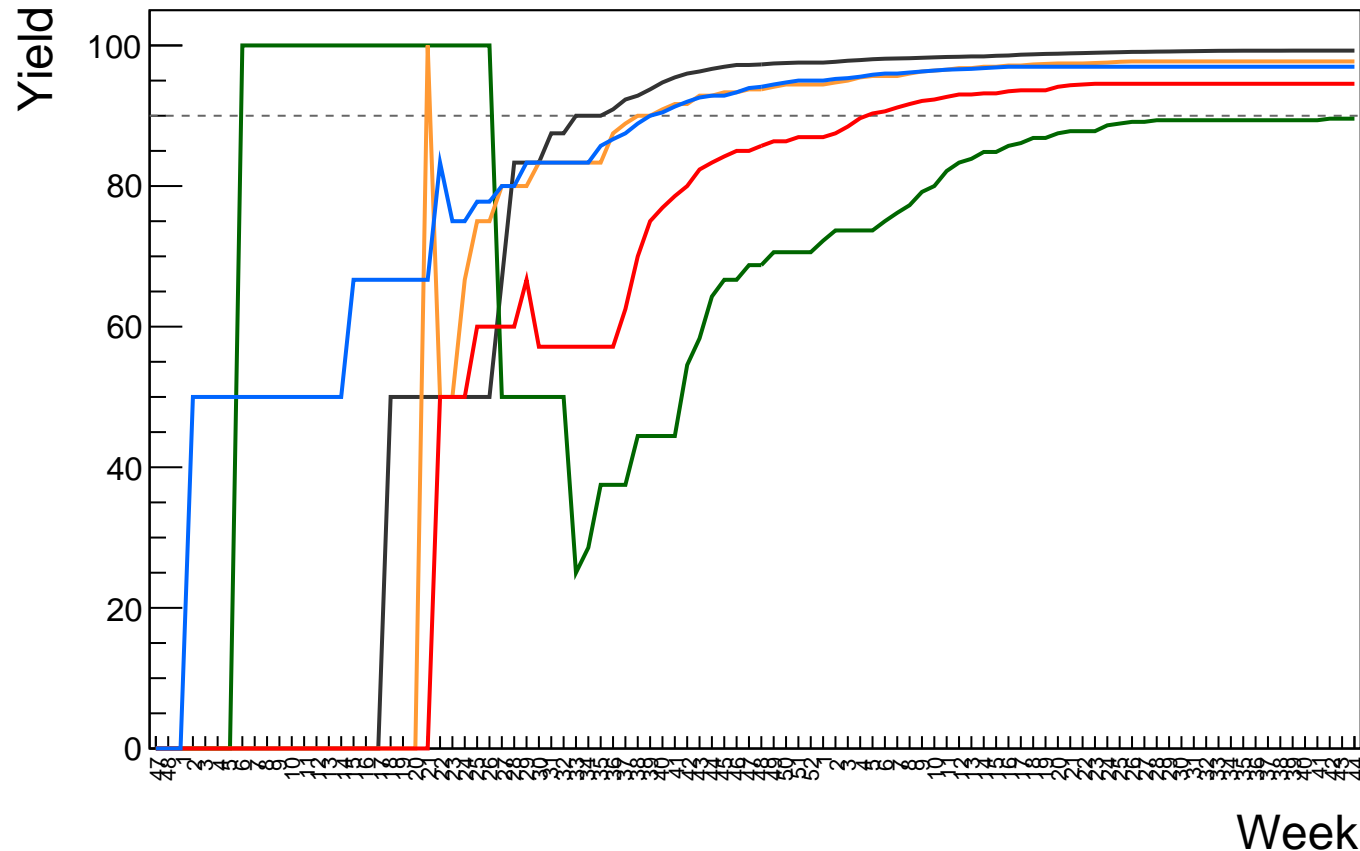
ML(all)
OL(all)

ML(DG)
OL(DG)

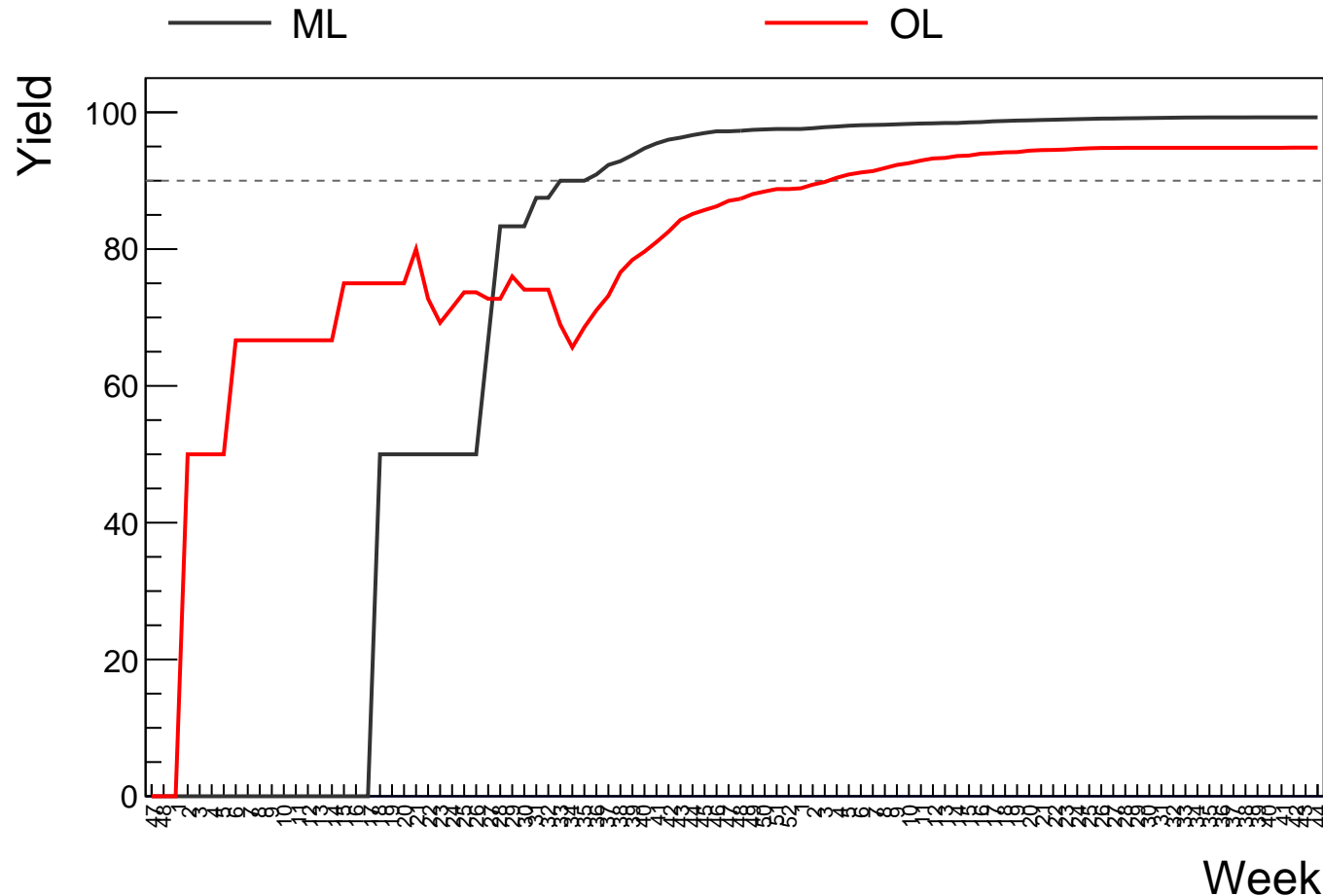


HS Yield vs time

Berkeley
 Daresbury
 Turin
 Nikhef
 Frascati



HS Yield vs time



Stave monitoring

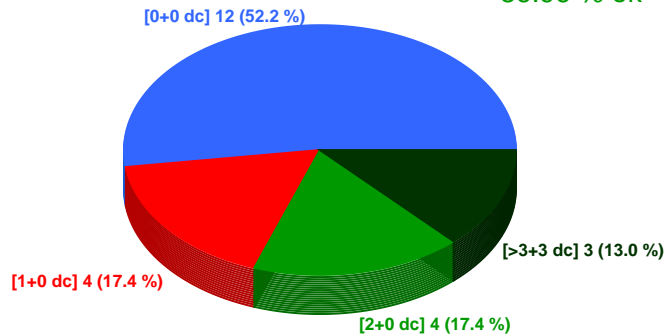
Staves of previous week

Staves of this week

A-OL-Stave-022: $(U,L)=(0, 1)$ bad chips

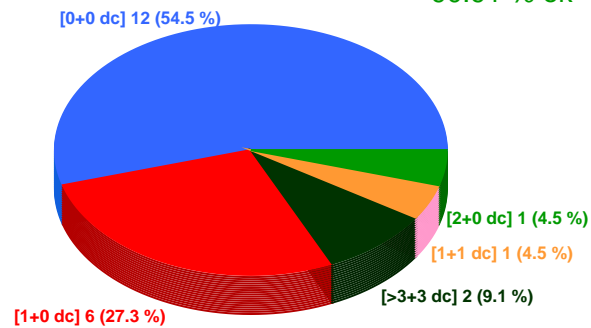
Stave - Nikhef

86.96 % ok



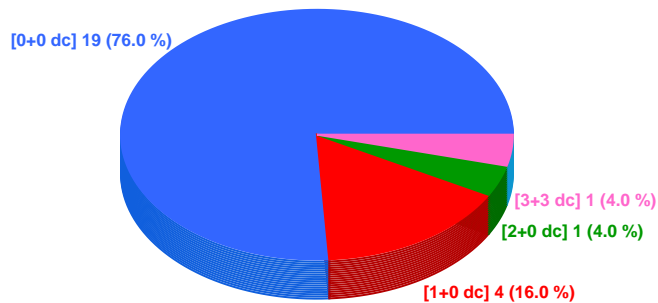
Stave - Daresbury

90.91 % ok



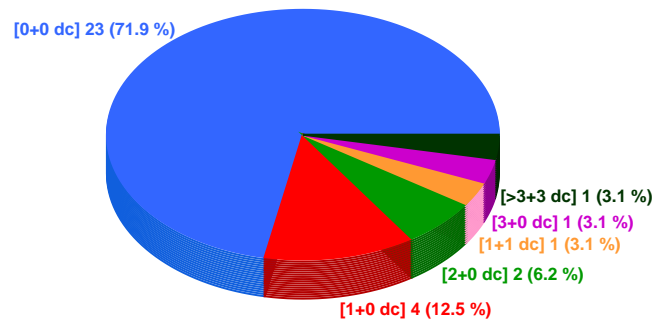
Stave - Frascati

96.00 % ok



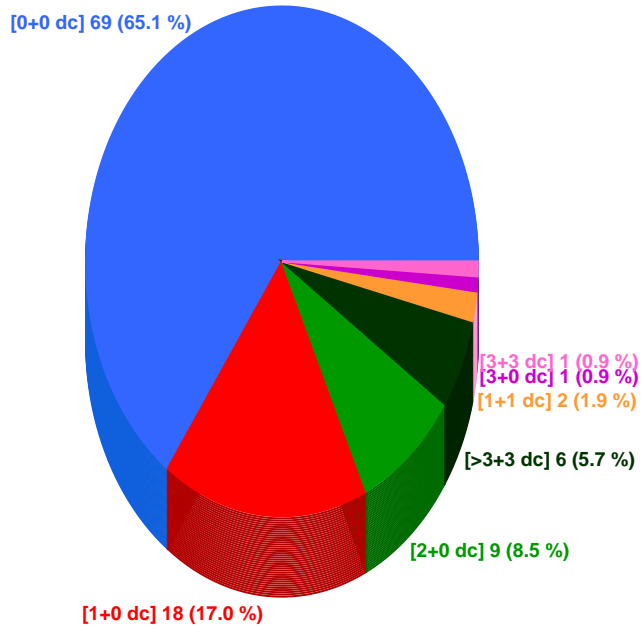
Stave - Turin

93.75 % ok



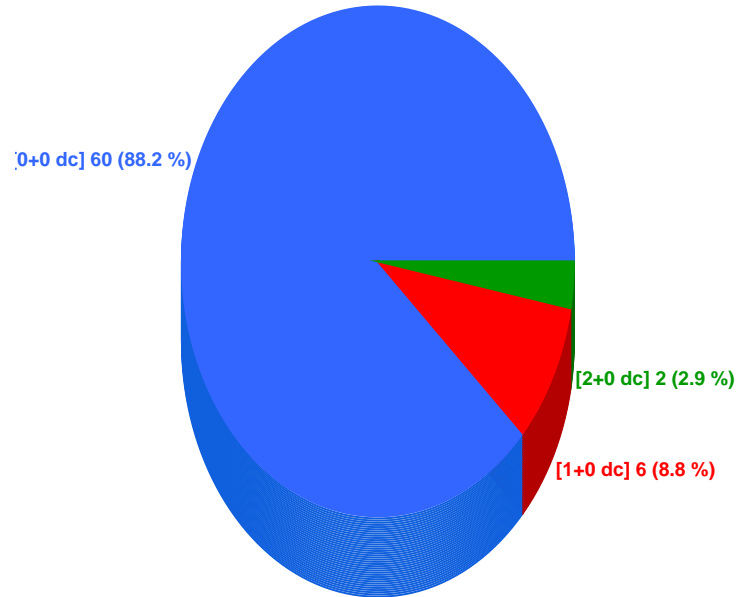
Stave - OL (includes rwk)

92.45 % ok

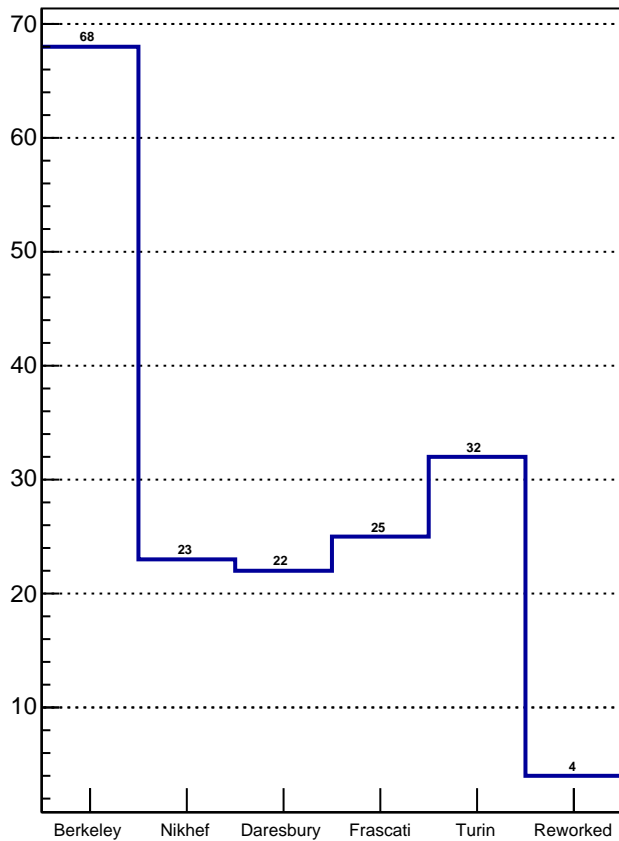


Stave - ML

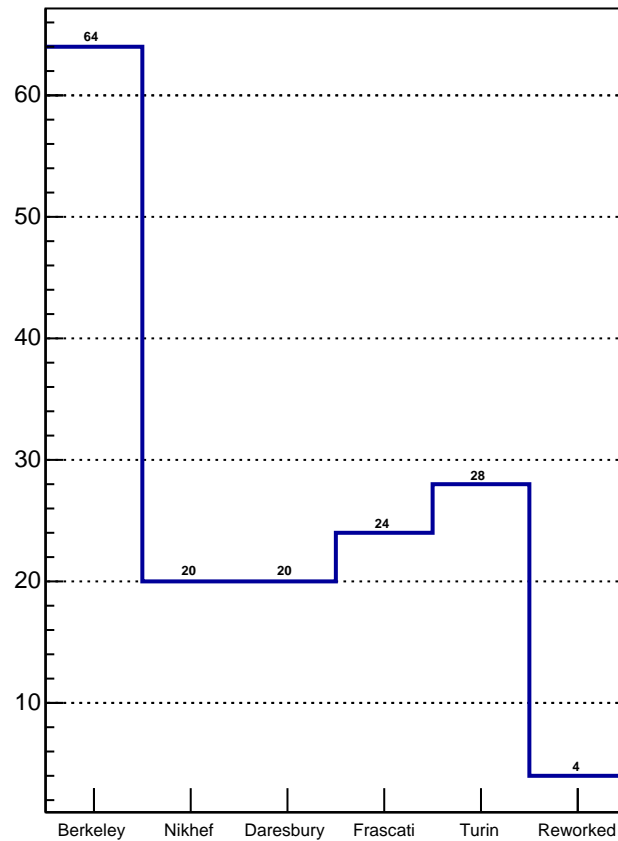
97.06 % ok



All Stave



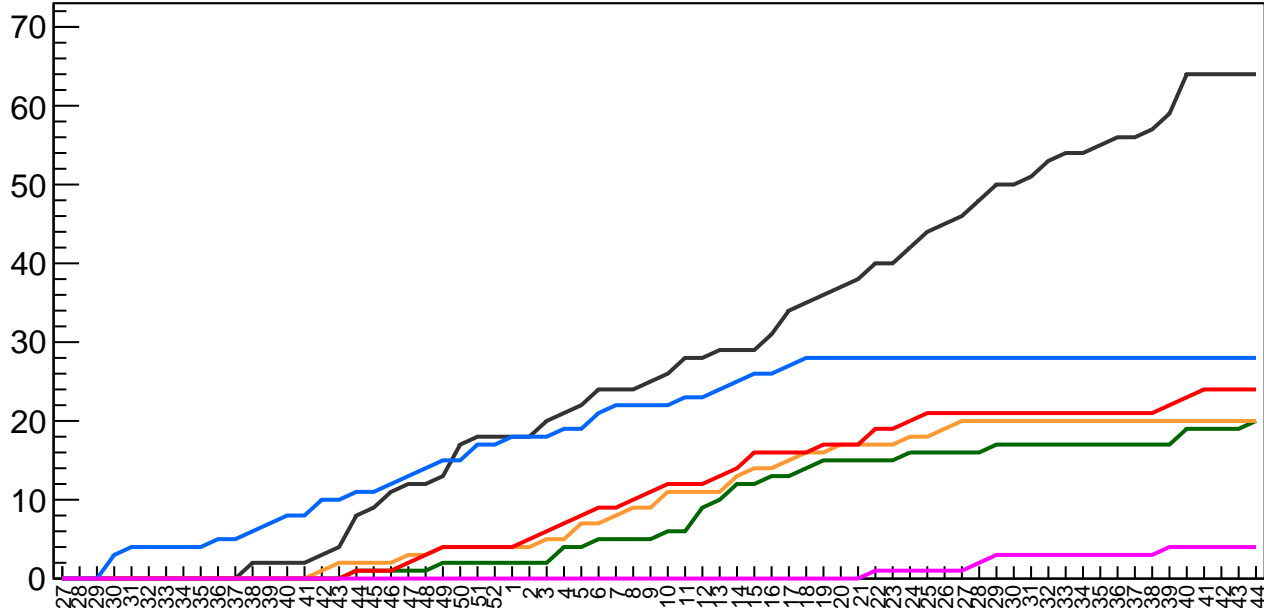
Det. Grade Stave



Det. grade Stave vs time

— Berkeley
— Daresbury
— Turin
— Nikhef
— Frascati
— Reworked

#Stave



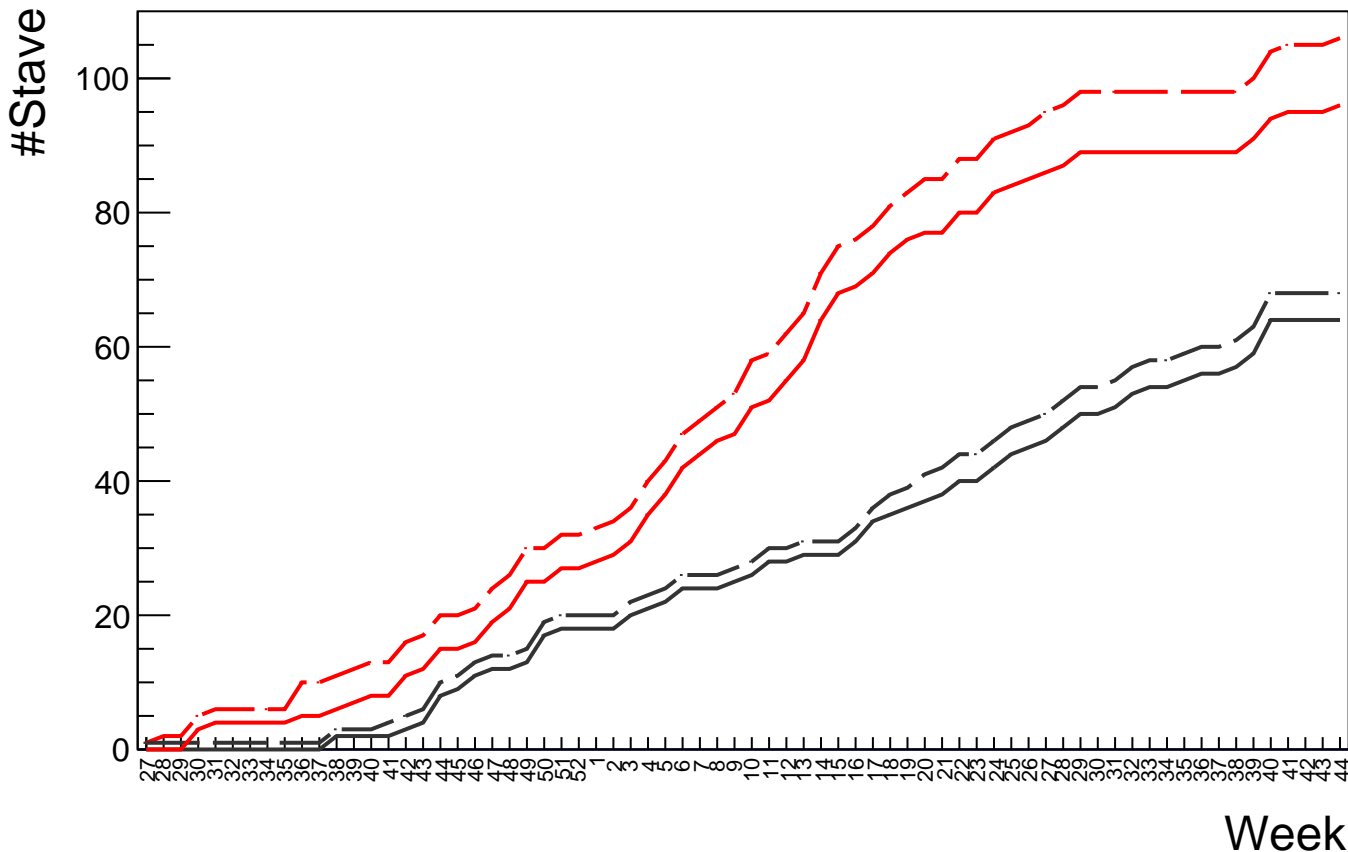
Week

Comparison to prev. week	
Berkeley:	+0
Nikhef:	+1
Daresbury:	+0
Frascati:	+0
Turin:	+0
Reworked:	+0

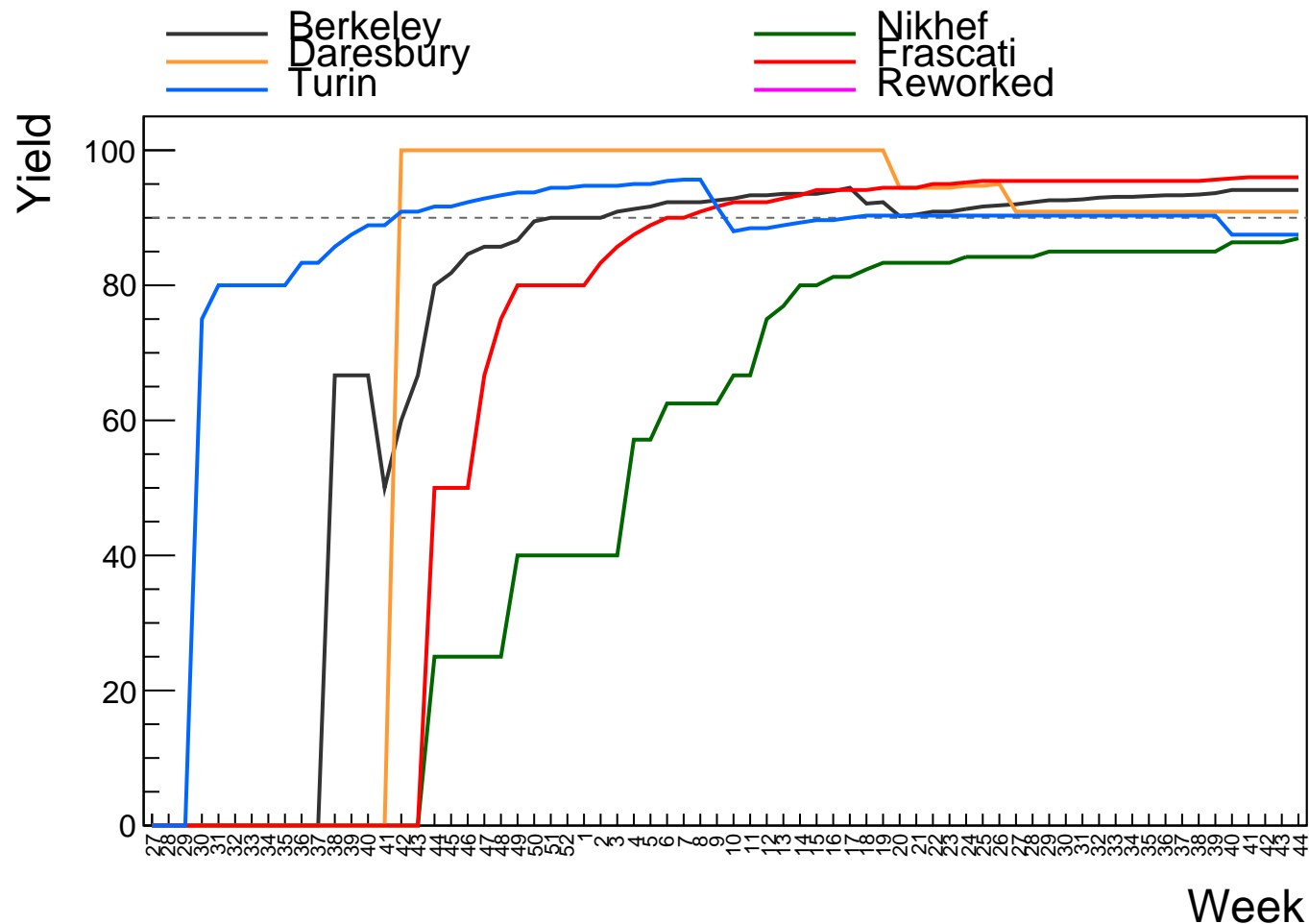
Det. grade Stave vs time

ML(all)
OL(all)

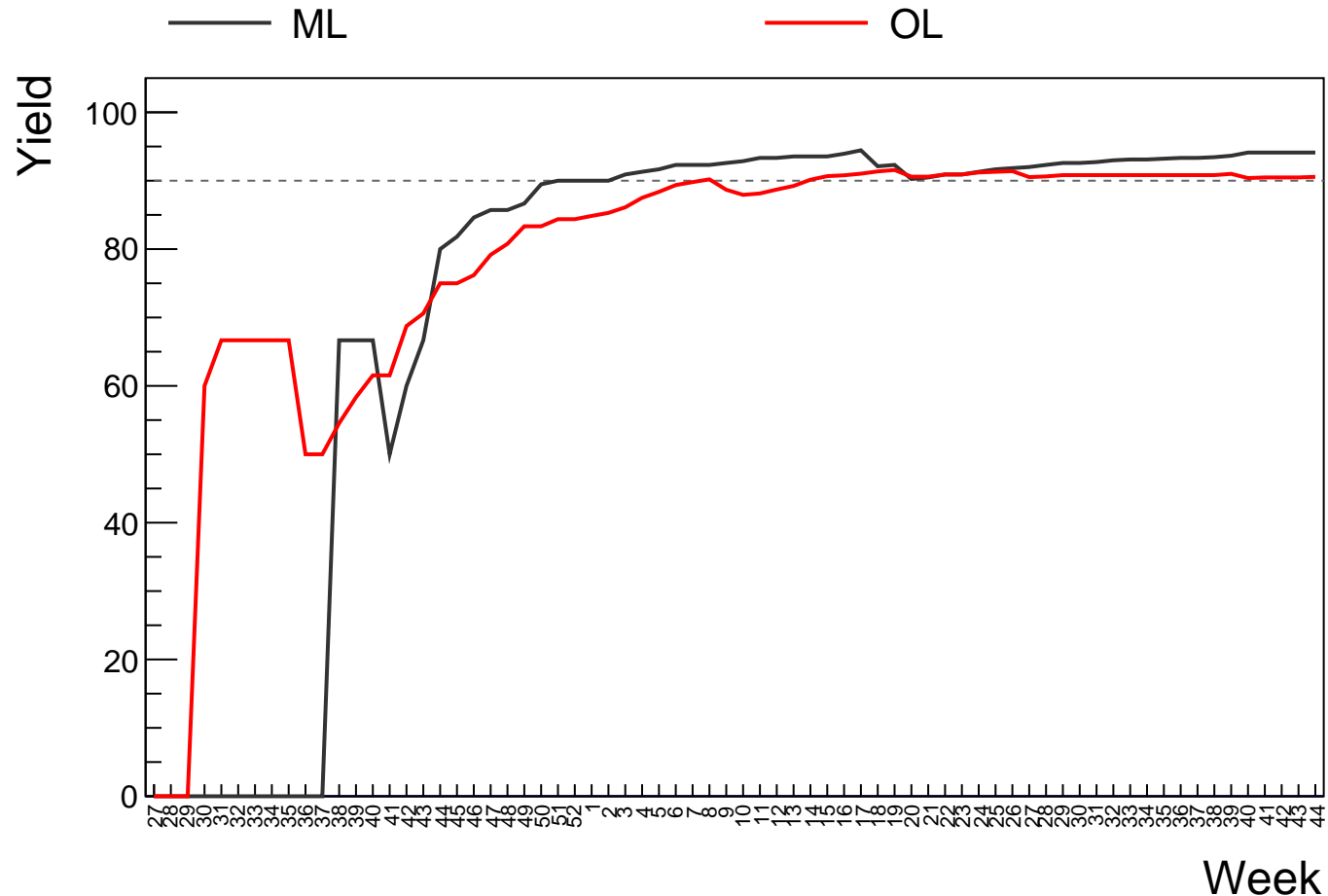
ML(DG)
OL(DG)



Stave yield vs time



Stave yield vs time



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

- **Berkeley: 1.20(all) -- 1.15(DG)**
- **Nikhef: 0.35(all) -- 0.35(DG)**
- **Daresbury: 0.41(all) -- 0.37(DG)**
- **Frascati: 0.44(all) -- 0.44(DG)**
- **Turin: 0.76(all) -- 0.69(DG) → Prod. ended**

OL: 1.96(all) -- 1.86(DG)

ML: 1.20(all) -- 1.15(DG)

Rework rate (from June 1st, 2019): 0.18(all) -- 0.18(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: 0.80(all) -- 0.40(DG)
OL: 2.80(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

F-OL-Stave-026: (U,L)=(0, 0) bad chips

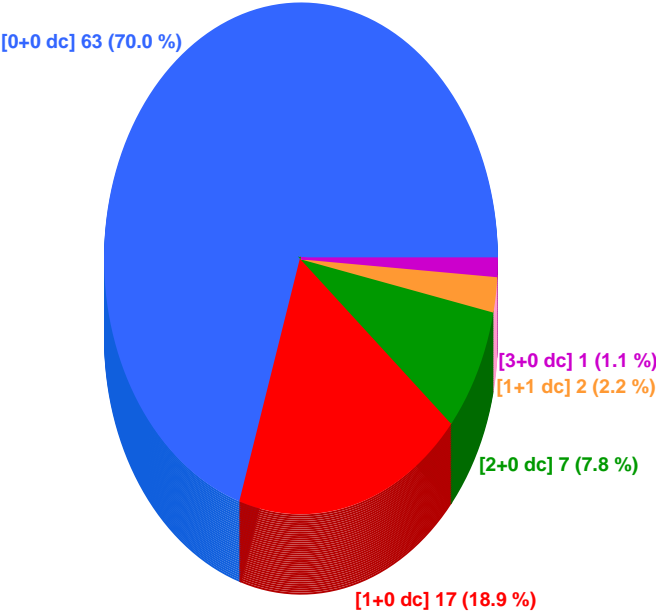
F-OL-Stave-025: (U,L)=(0, 0) bad chips

F-OL-Stave-024: (U,L)=(0, 0) bad chips

Staves qualified this week

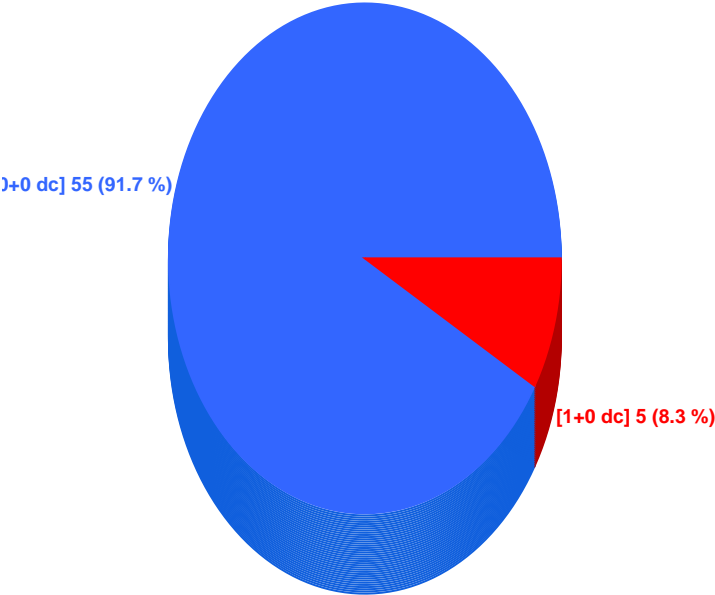
Stave - OL @CERN

98.89 % ok

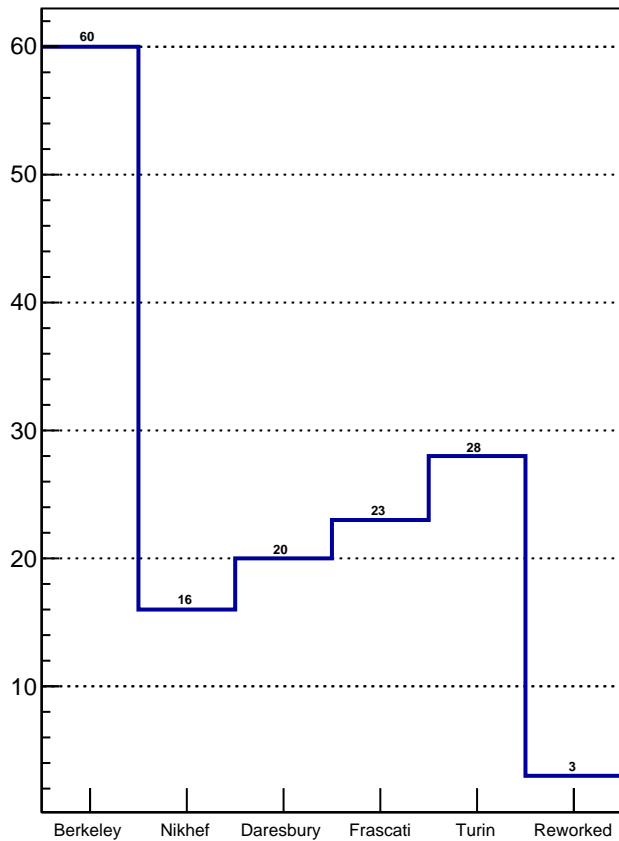


Stave - ML @CERN

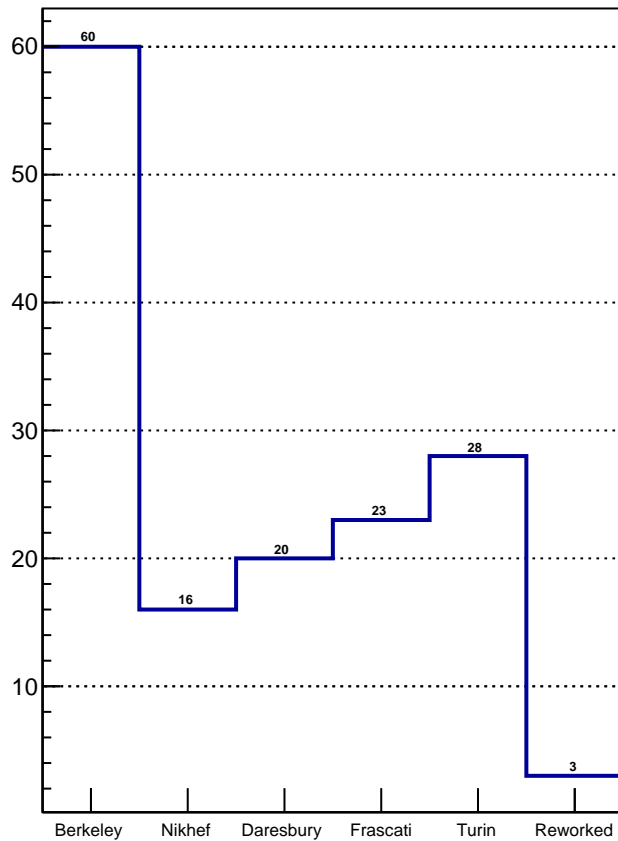
100.00 % ok



All Stave @CERN



Det. Grade Stave @CERN

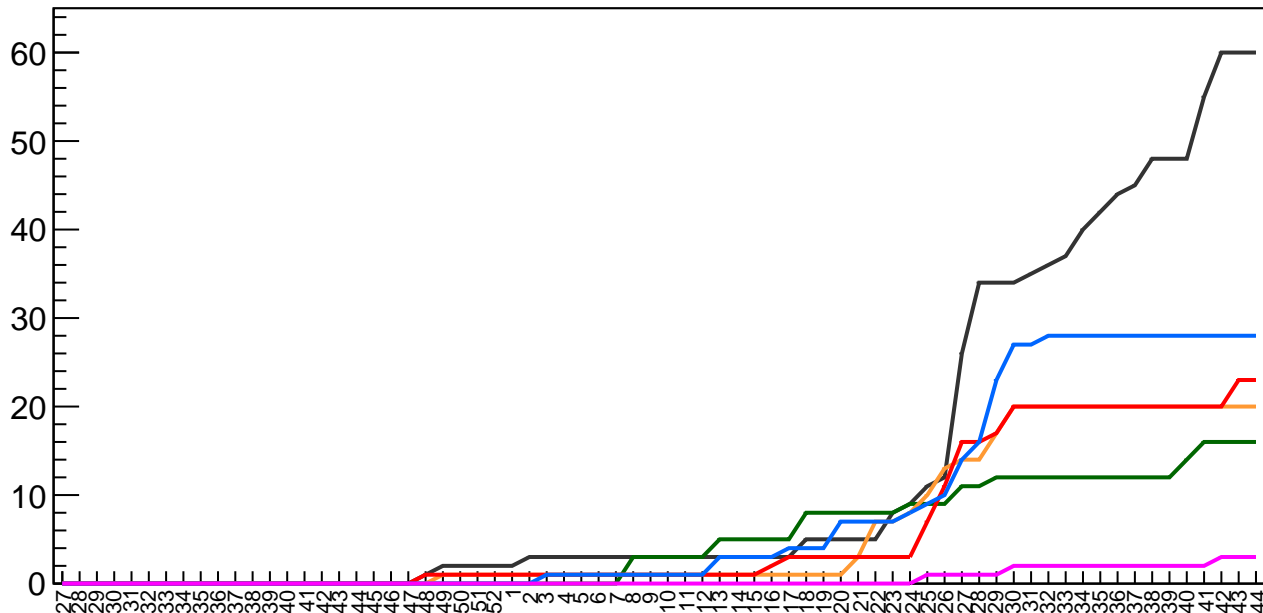


Det. grade Stave vs time @CERN

Berkeley
 Daresbury
 Turin

Nikhef
 Frascati
 Reworked

#Stave



Week

Comparison to prev. week

Berkeley: +0

Nikhef: +0

Daresbury: +0

Frascati: +0

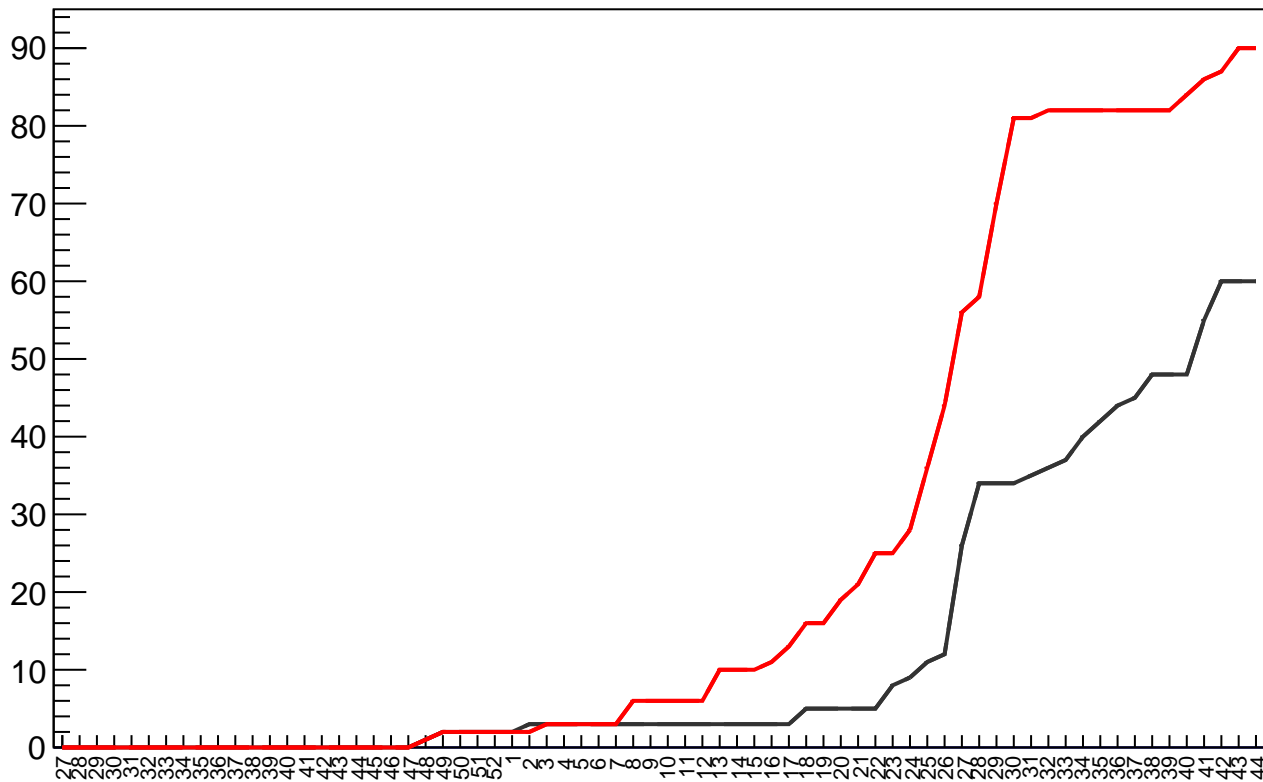
Turin: +0

Det. grade Stave vs time @CERN

— ML(all)
— OL(all)

— ML(DG)
— OL(DG)

#Stave



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

Berkeley: 1.31(all) -- 1.31(DG)

Nikhef: 0.36(all) -- 0.36(DG)

Daresbury: 0.44(all) -- 0.44(DG)

Frascati: 0.49(all) -- 0.49(DG)

Turin: 0.62(all) -- 0.62(DG)

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

ML: 1.31(all) -- 1.31(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-L-027: 0 bad chips

A-OL-HS-U-024: 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