

# Stave production monitoring

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12/11/2019

Monitoring from January 2018 to 12/11/2019

Stave meeting

HS monitoring

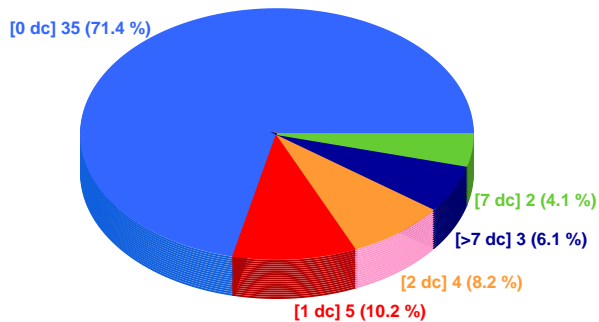
**HSs of previous week**

**A-OL-HS-L-025: 0 bad chips**

**HSs of this week**

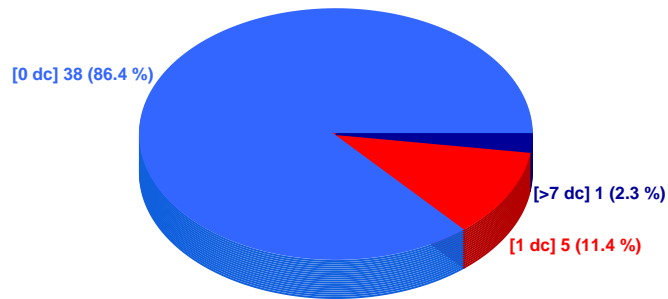
HS - Nikhef

89.80 % ok



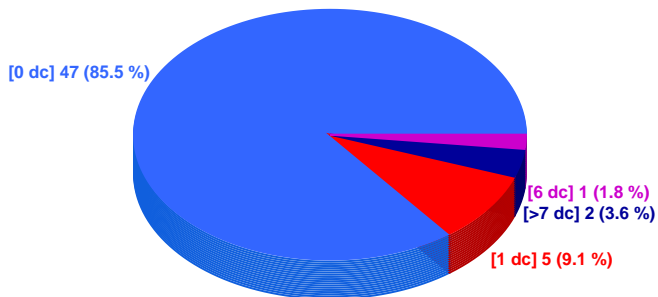
HS - Daresbury

97.73 % ok



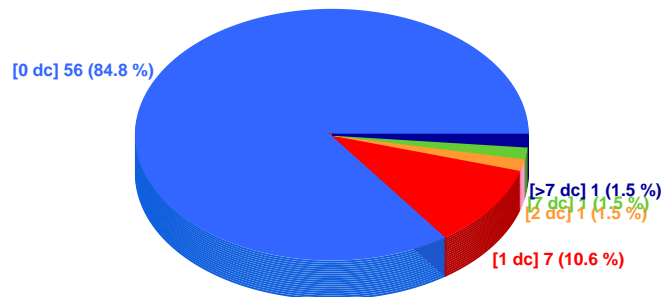
HS - Frascati

94.55 % ok



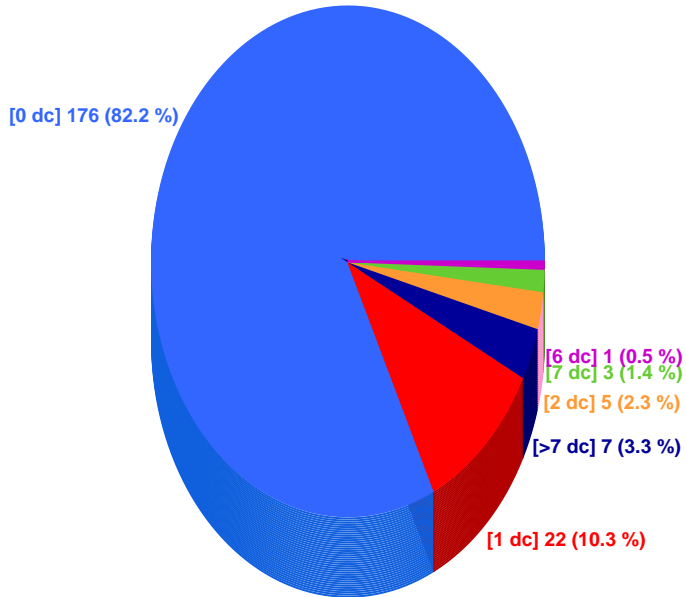
HS - Turin

96.97 % ok



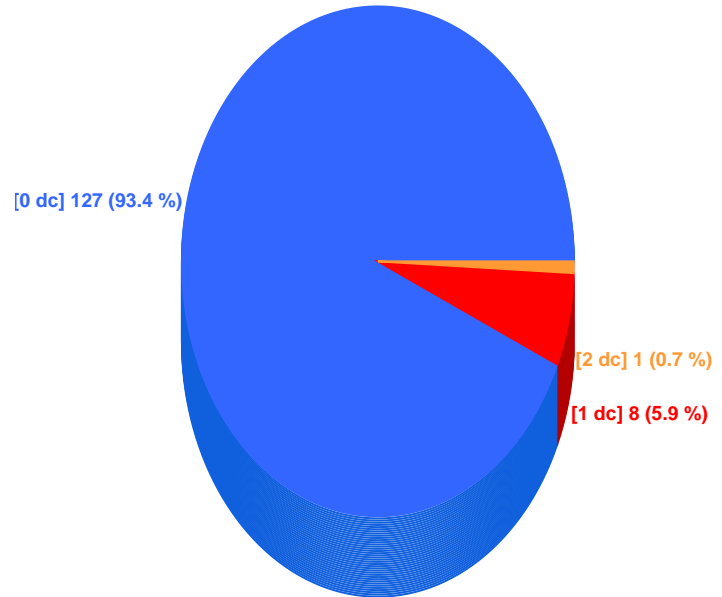
HS - OL

94.86 % ok

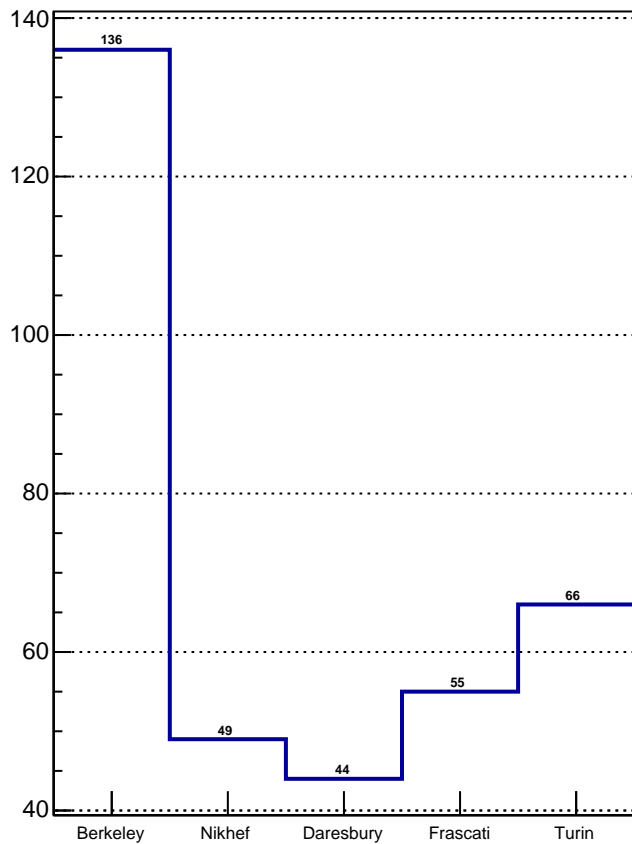


HS - ML

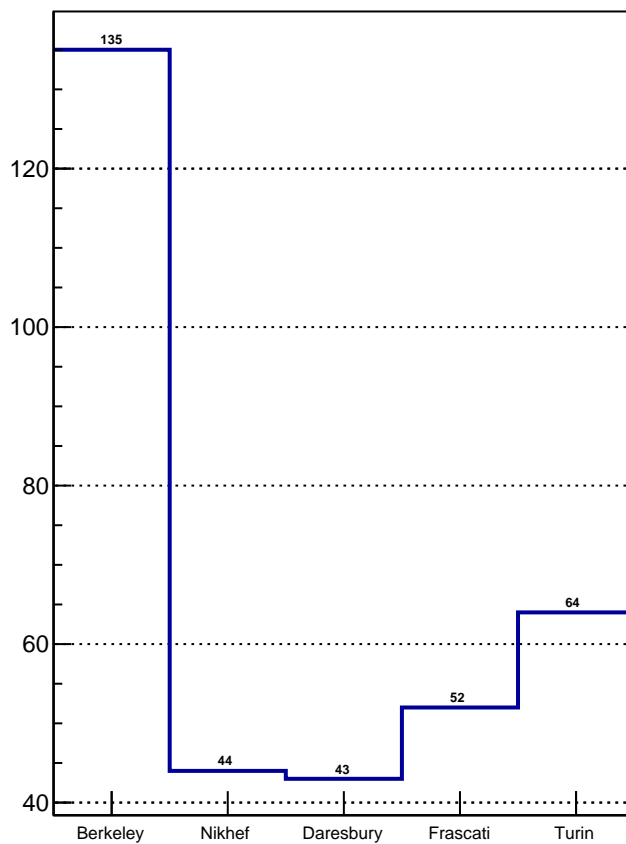
99.26 % ok



All HS

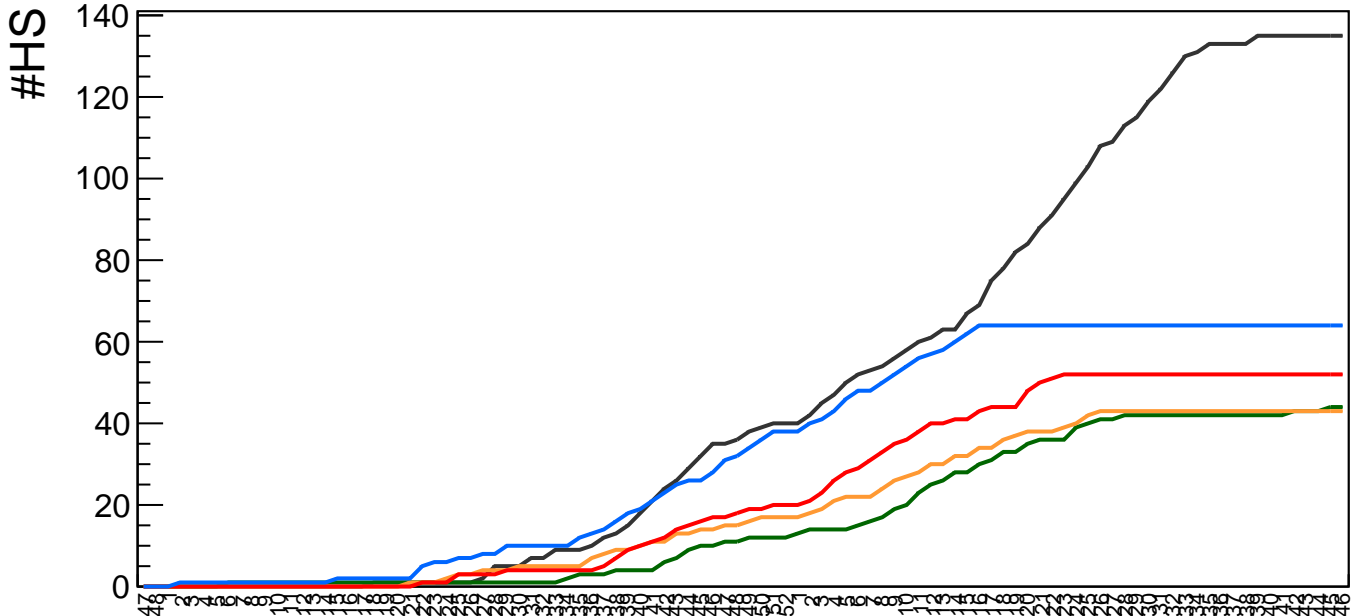


Det. Grade HS



# Det. grade HS vs time

Berkeley  
Daresbury  
Turin  
Nikhef  
Frascati



Comparison to prev. week

Berkeley: +0

Nikhef: +0

Daresbury: +0

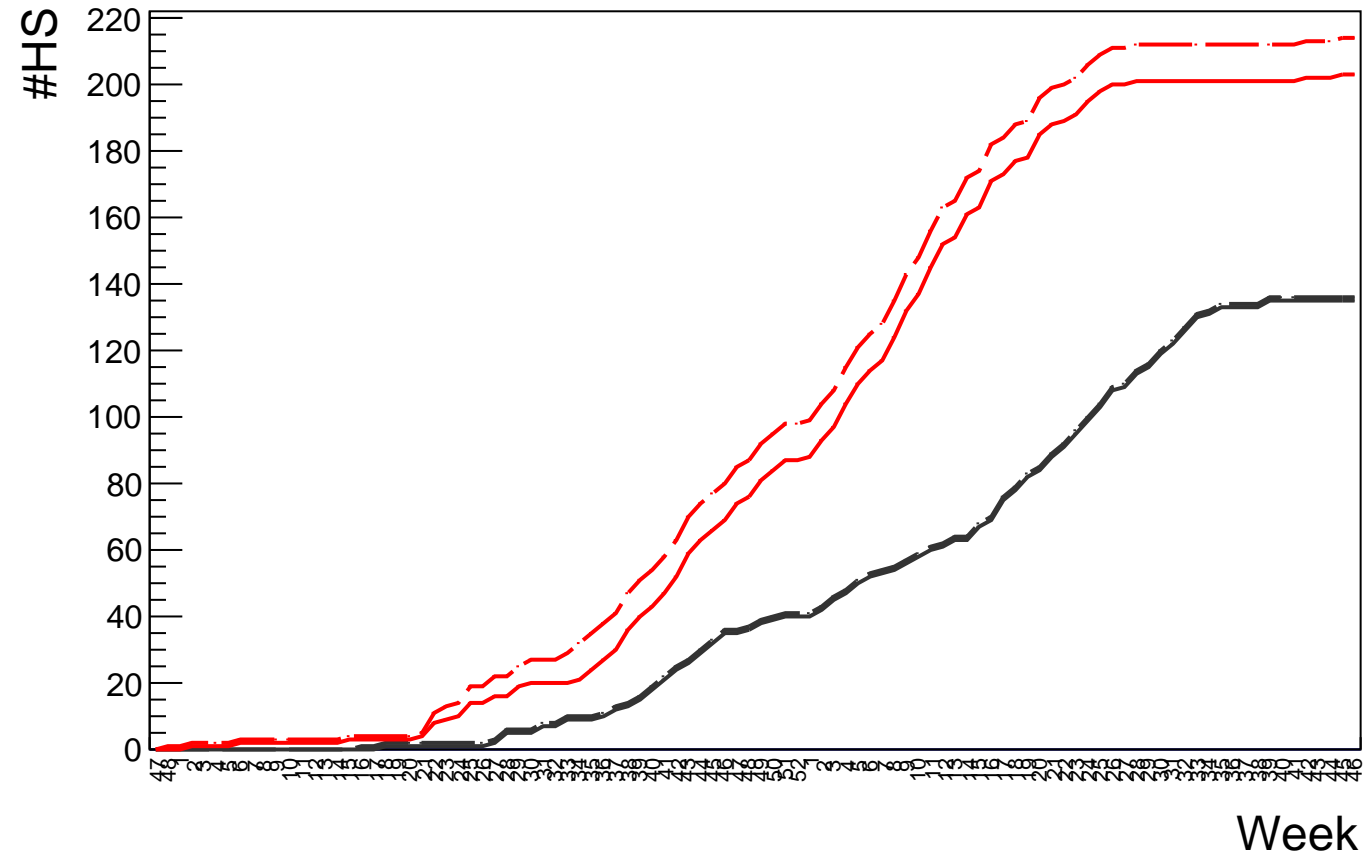
Frascati: +0

Turin: +0

# Det. grade HS vs time

ML(all)  
OL(all)

ML(DG)  
OL(DG)

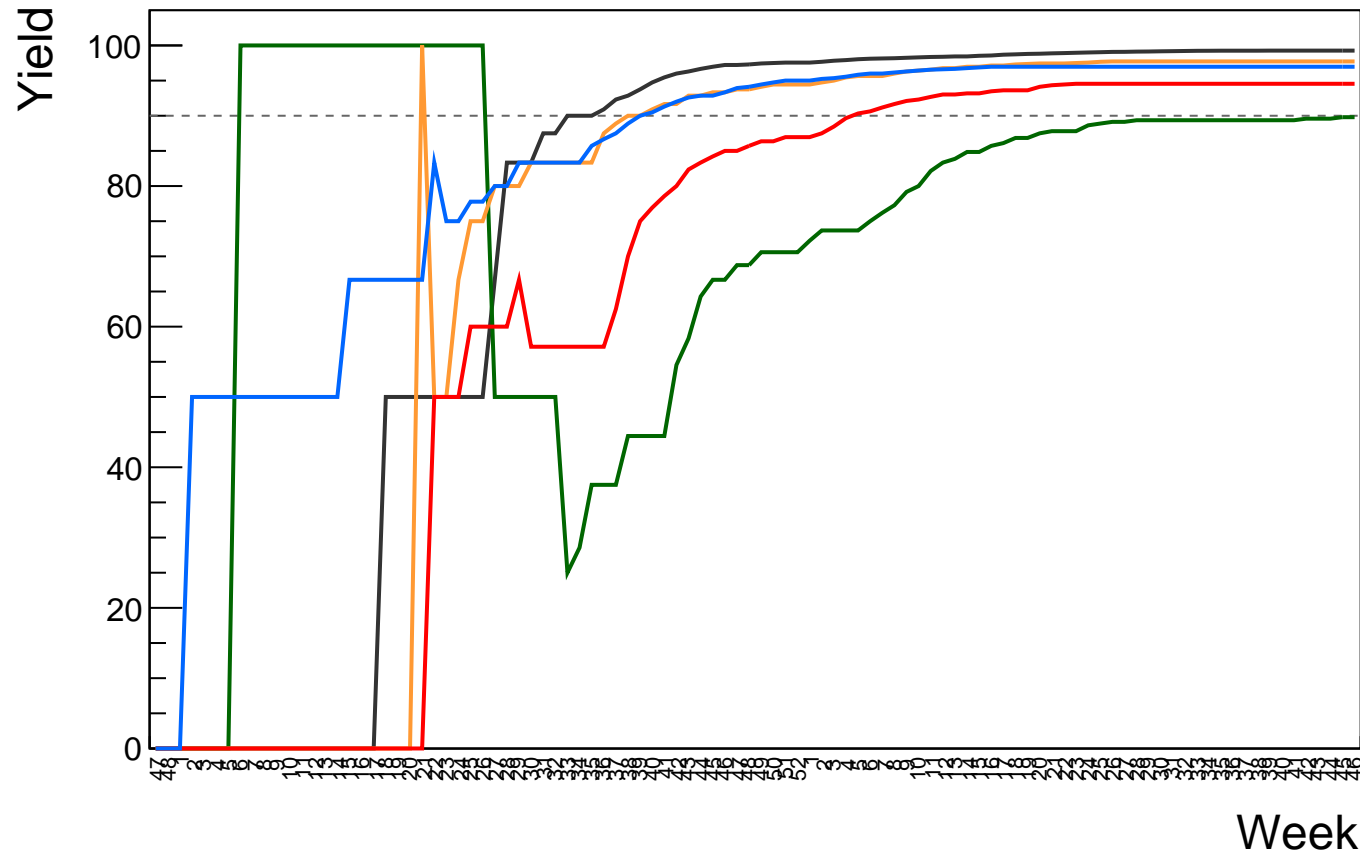




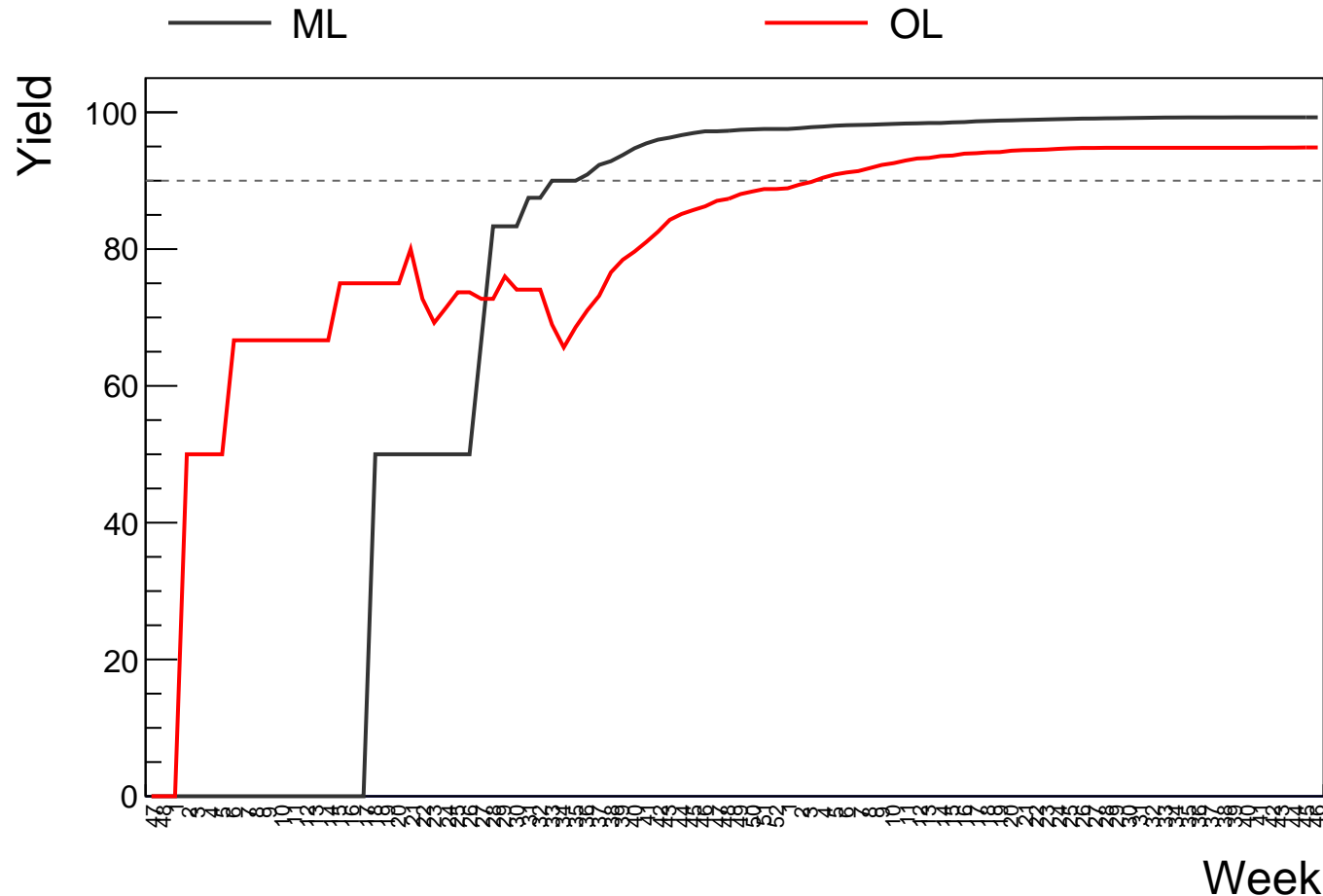
# HS Yield vs time

— Berkeley  
 — Daresbury  
 — Turin

— Nikhef  
 — Frascati



# HS Yield vs time



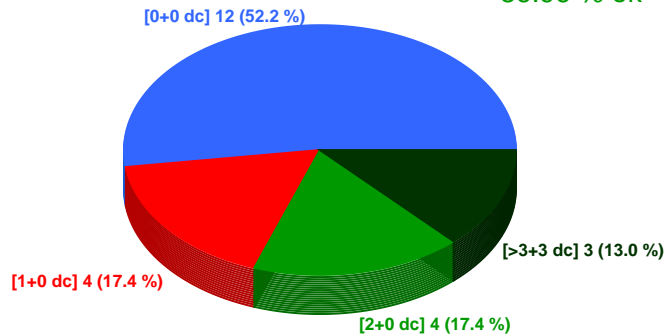
Stave monitoring

**Staves of previous week**

**Staves of this week**

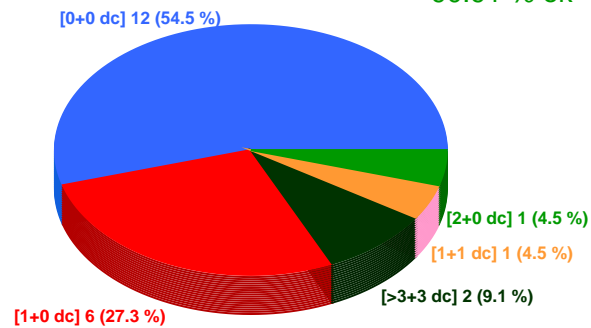
Stave - Nikhef

86.96 % ok



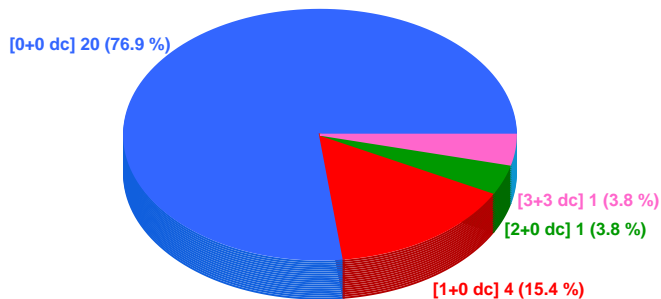
Stave - Daresbury

90.91 % ok



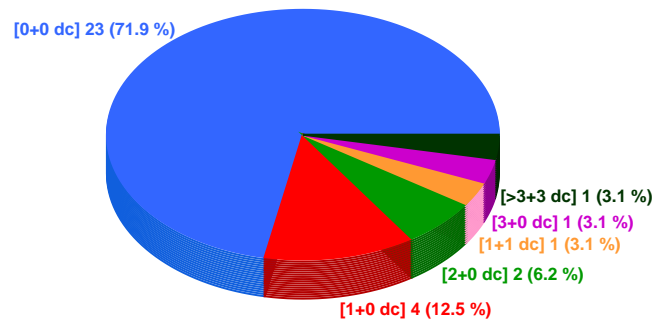
Stave - Frascati

96.15 % ok



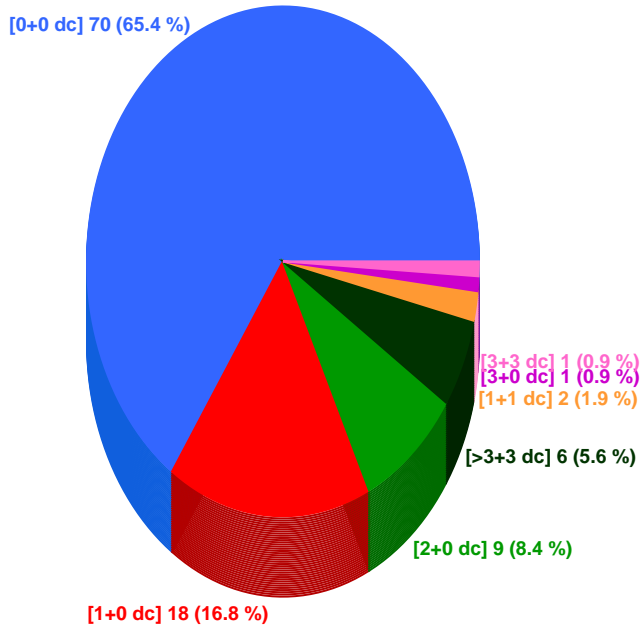
Stave - Turin

93.75 % ok



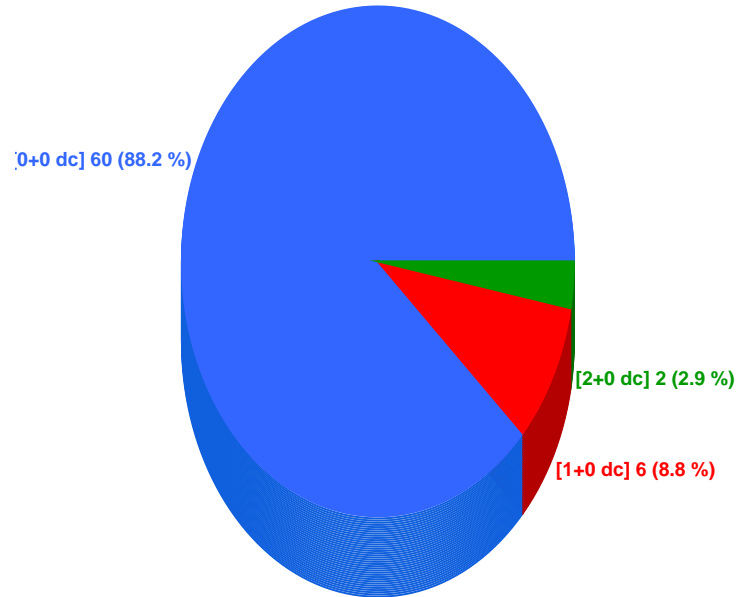
Stave - OL (includes rwk)

92.52 % ok

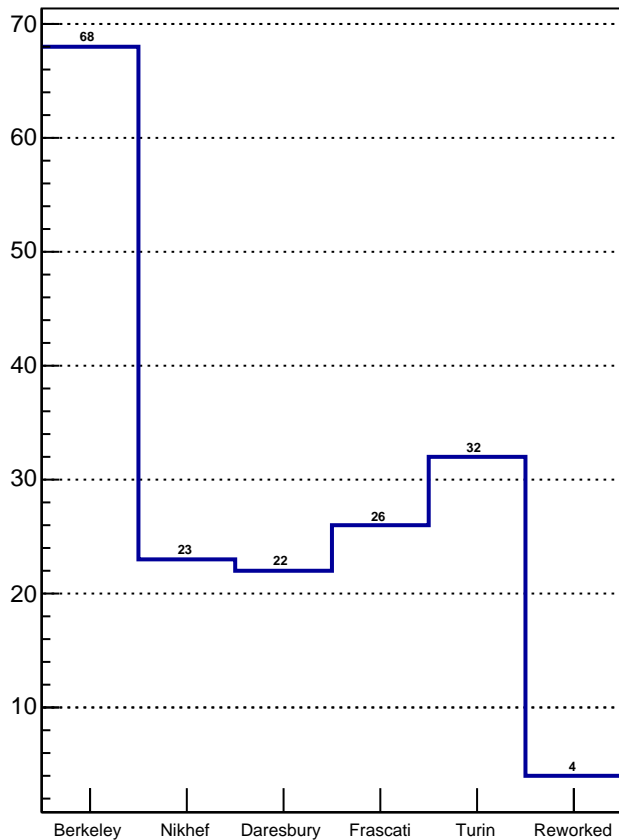


Stave - ML

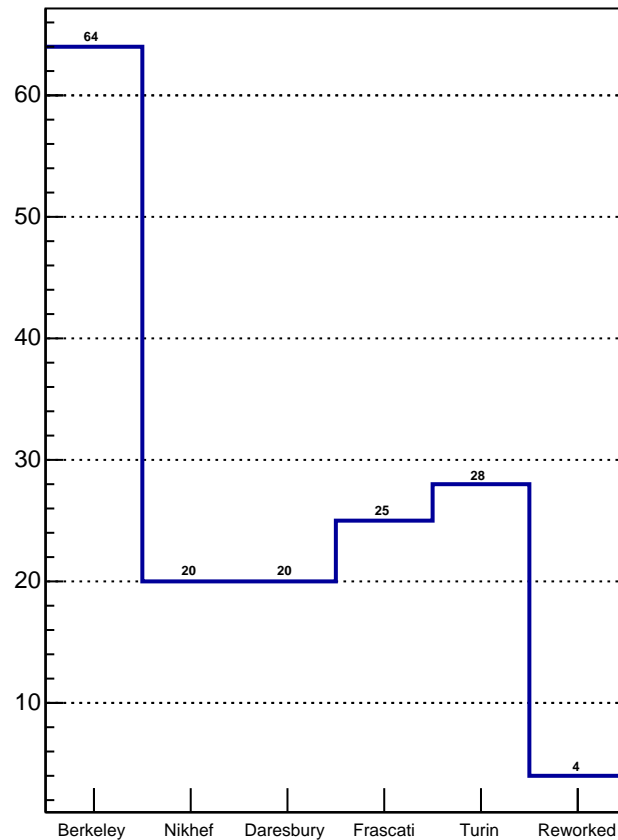
97.06 % ok



# All Stave



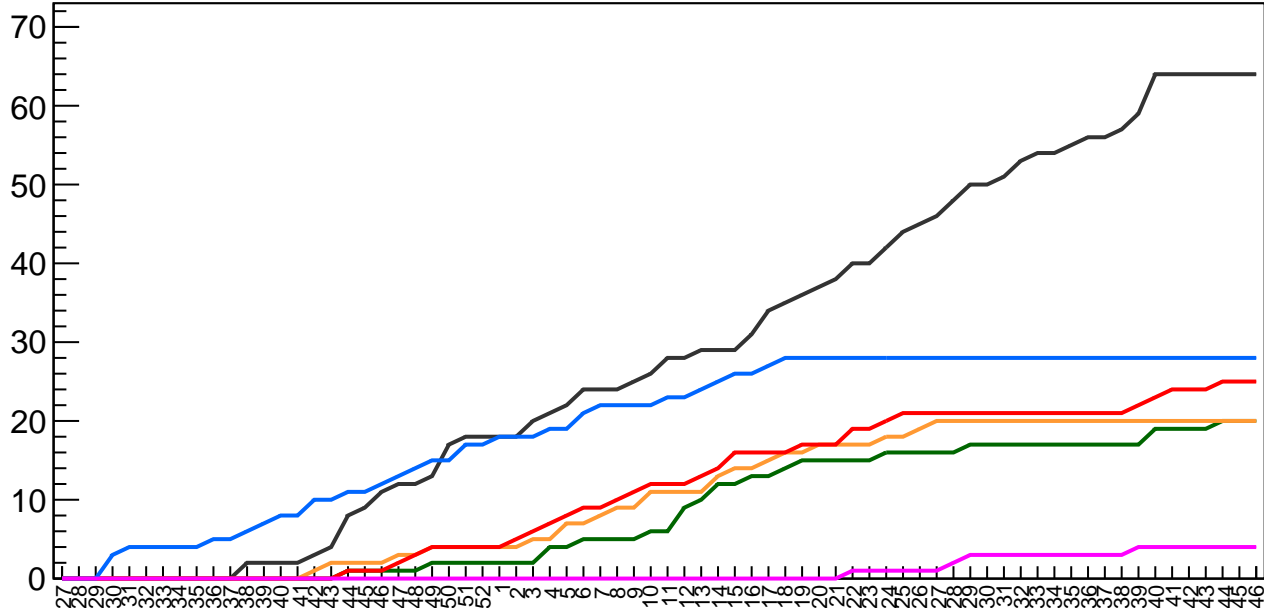
# Det. Grade Stave



# Det. grade Stave vs time

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

#Stave



Week

Comparison to prev. week

Berkeley: +0

Nikhef: +0

Daresbury: +0

Frascati: +0

Turin: +0

Reworked: +0

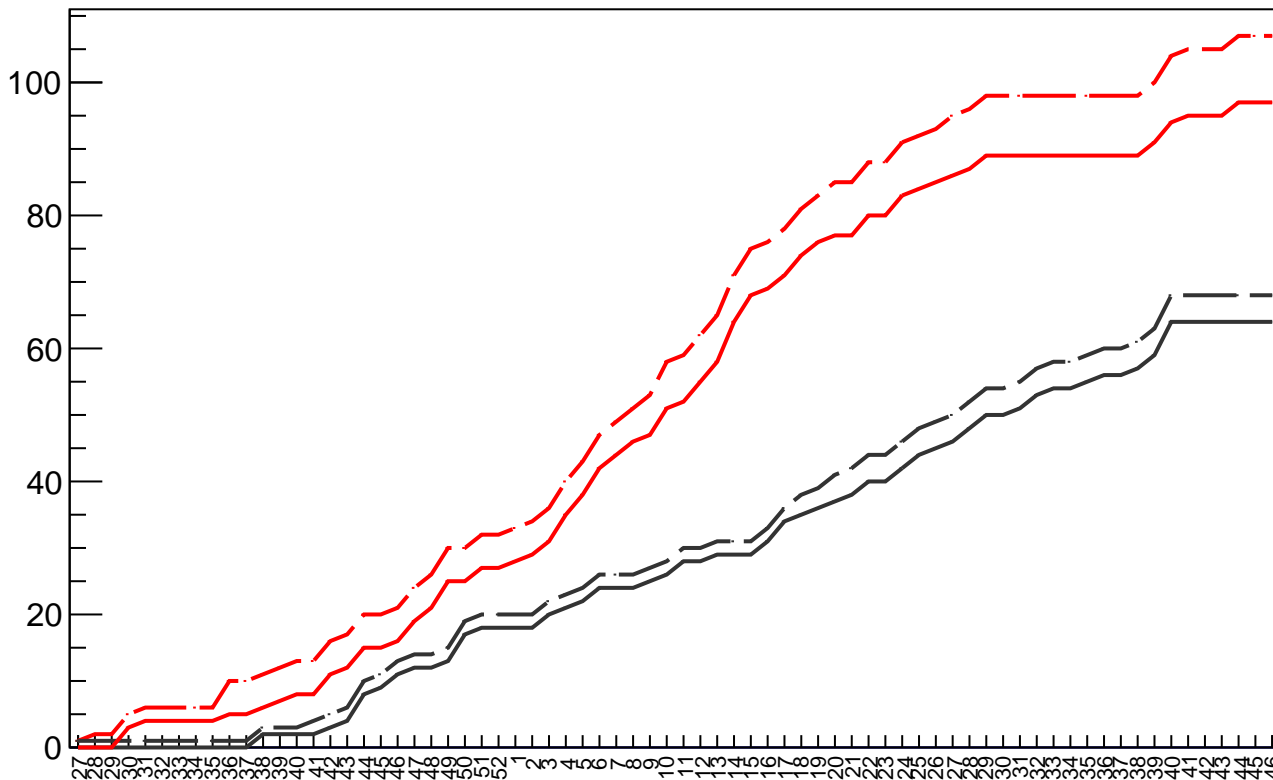


# Det. grade Stave vs time

ML(all)  
OL(all)

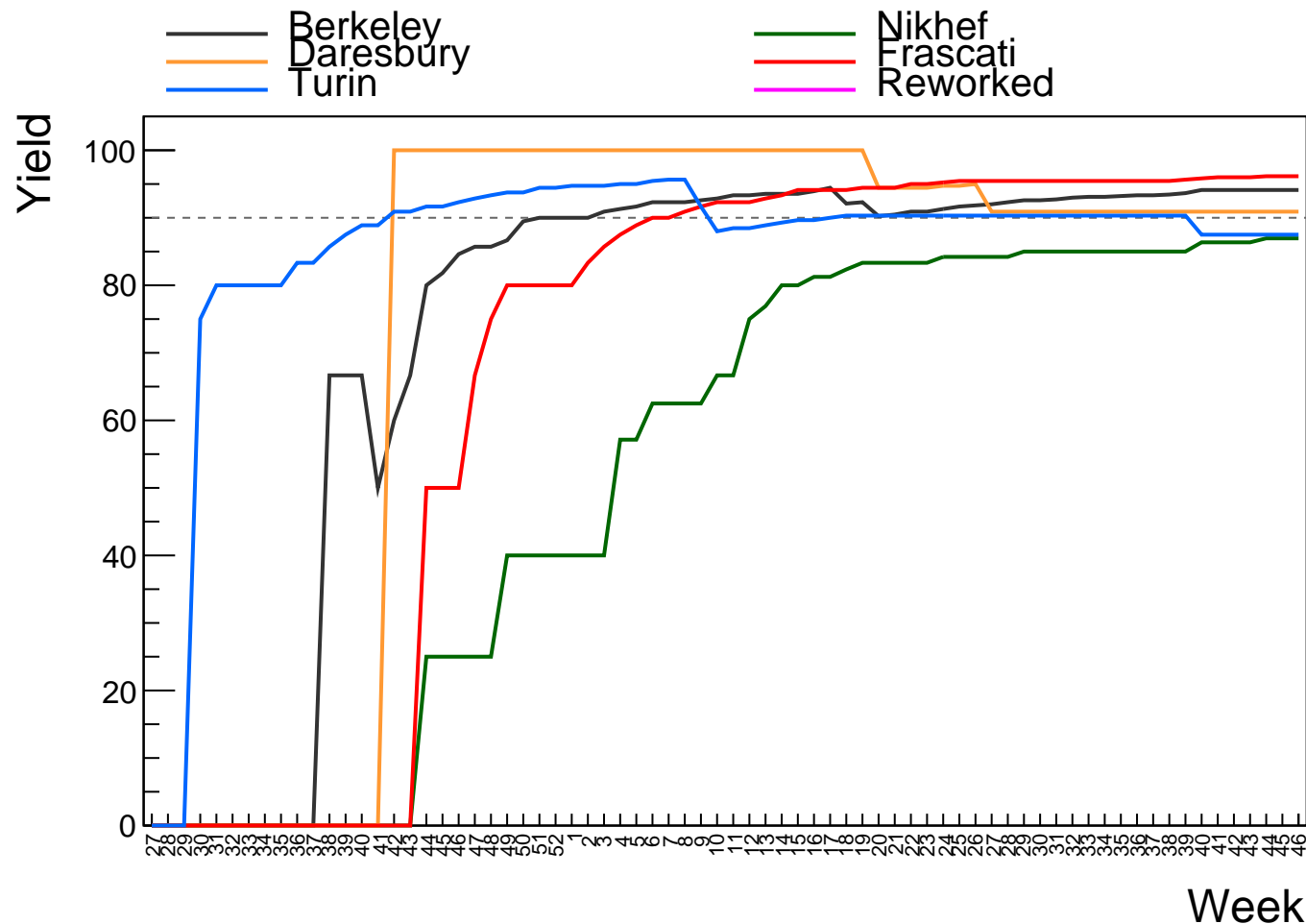
ML(DG)  
OL(DG)

#Stave

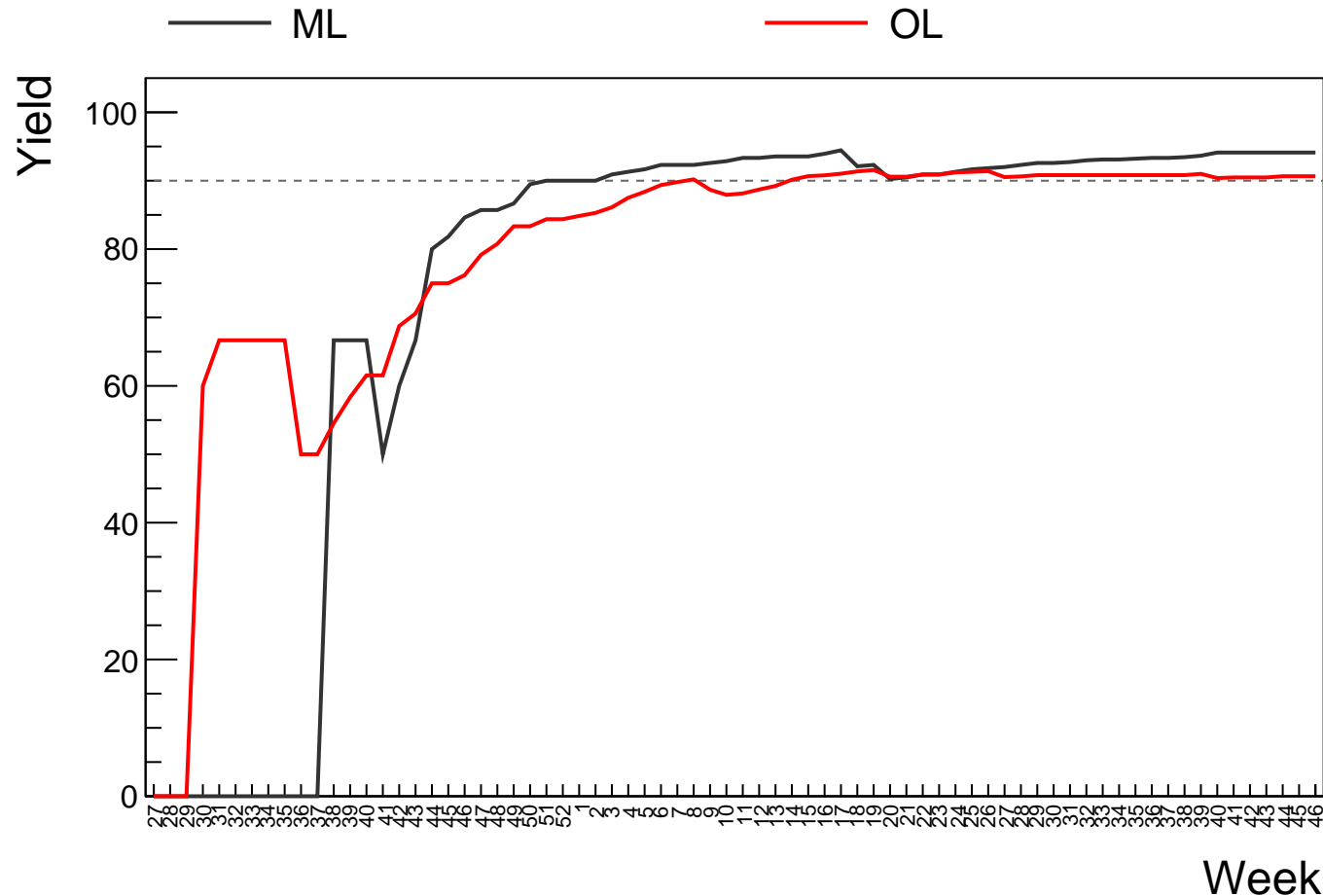


Week

# Stave yield vs time



# Stave yield vs time



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

- **Berkeley: 1.16(all) -- 1.11(DG)**
- **Nikhef: 0.36(all) -- 0.36(DG)**
- **Daresbury: 0.39(all) -- 0.36(DG)**
- **Frascati: 0.45(all) -- 0.45(DG)**
- **Turin: 0.76(all) -- 0.69(DG) → Prod. ended**

**OL: 1.96(all) -- 1.85(DG)**

**ML: 1.16(all) -- 1.11(DG)**

**Rework rate (from June 1st, 2019): 0.17(all) -- 0.17(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)

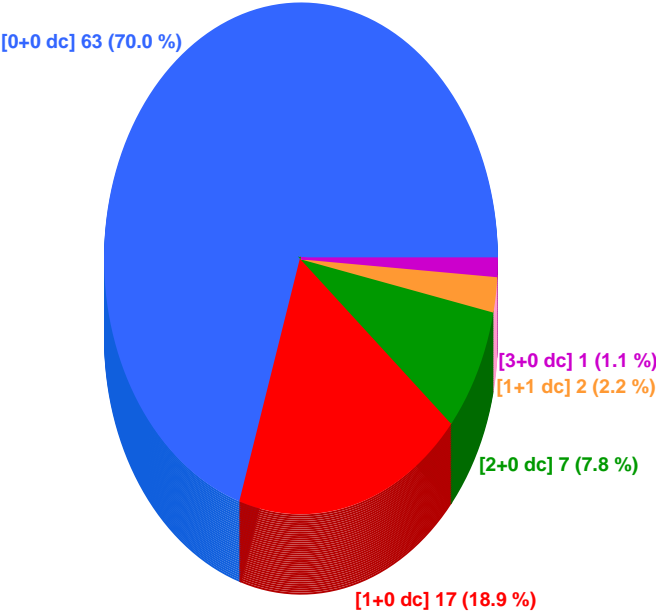
Stave reception @CERN

**Staves qualified in the previous week**

**Staves qualified this week**

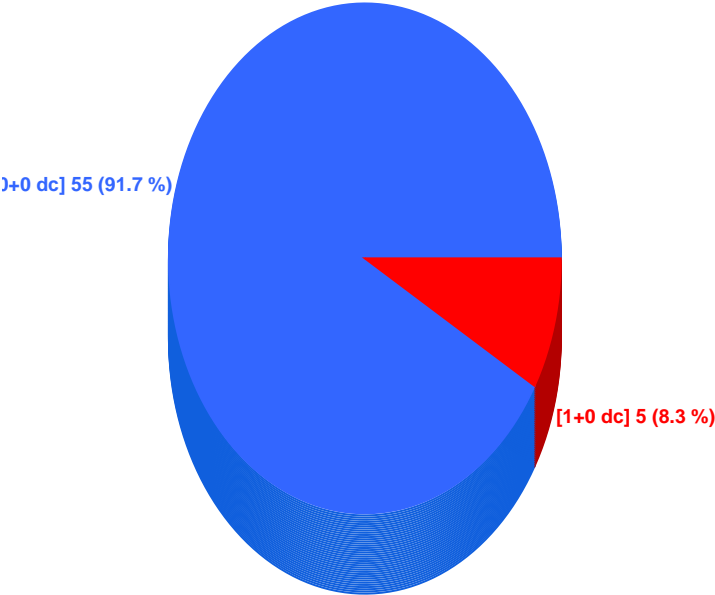
Stave - OL @CERN

98.89 % ok



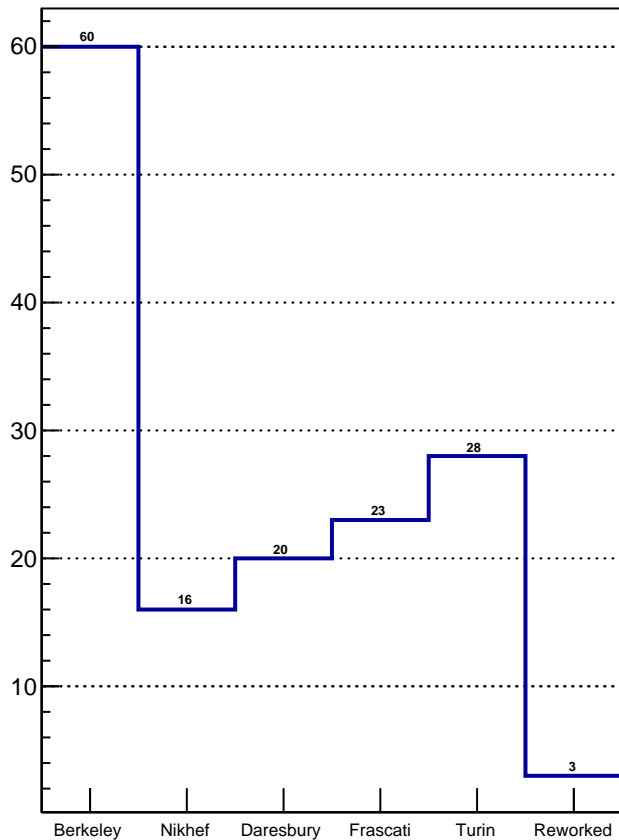
Stave - ML @CERN

100.00 % ok

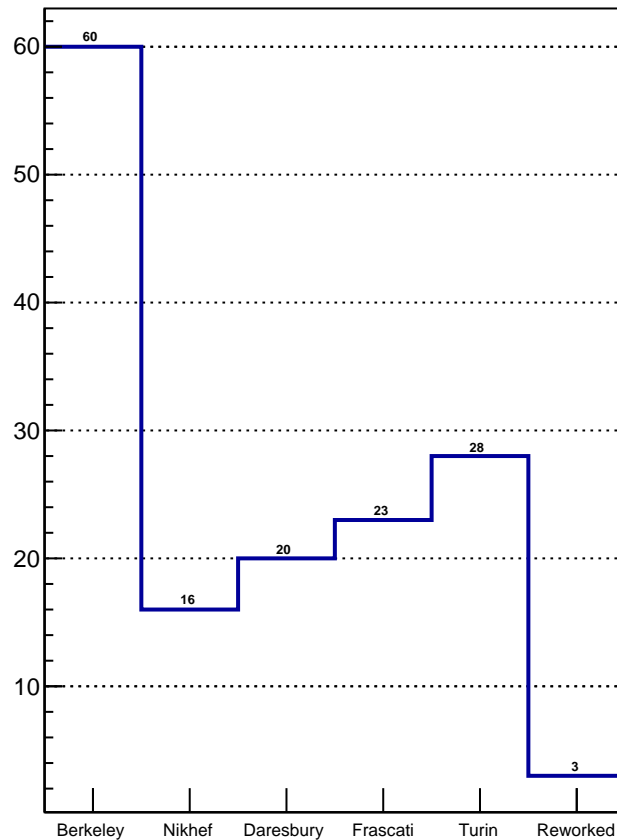




All Stave @CERN



Det. Grade Stave @CERN

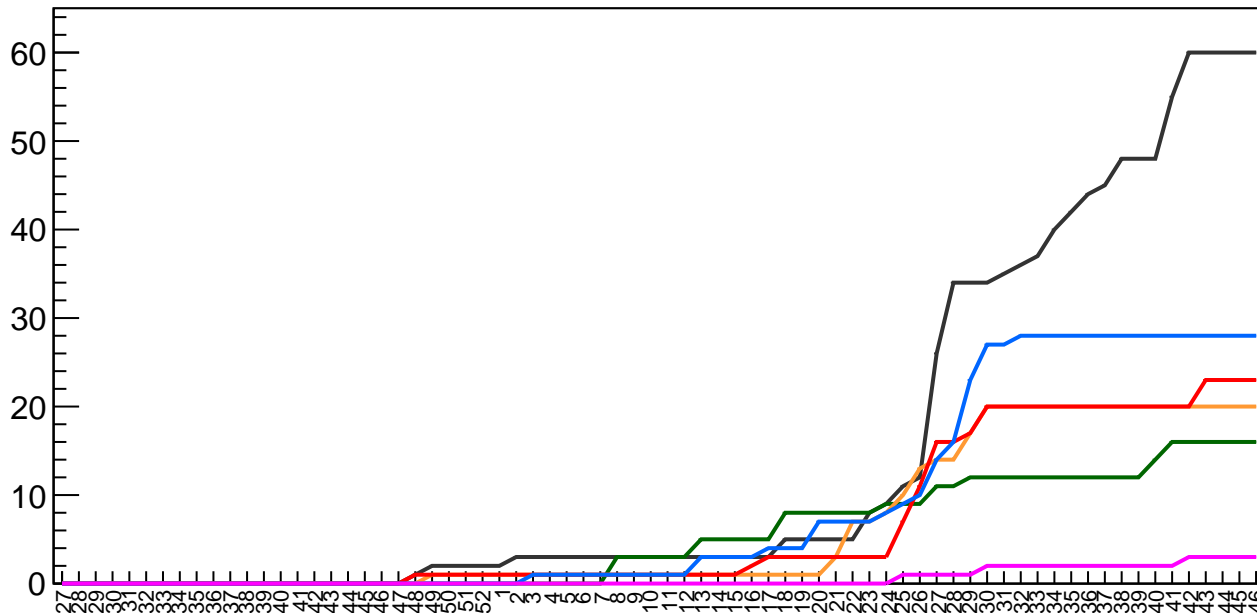


# Det. grade Stave vs time @CERN

Berkeley  
 Daresbury  
 Turin

Nikhef  
 Frascati  
 Reworked

#Stave



Week

Comparison to prev. week

Berkeley: +0

Nikhef: +0

Daresbury: +0

Frascati: +0

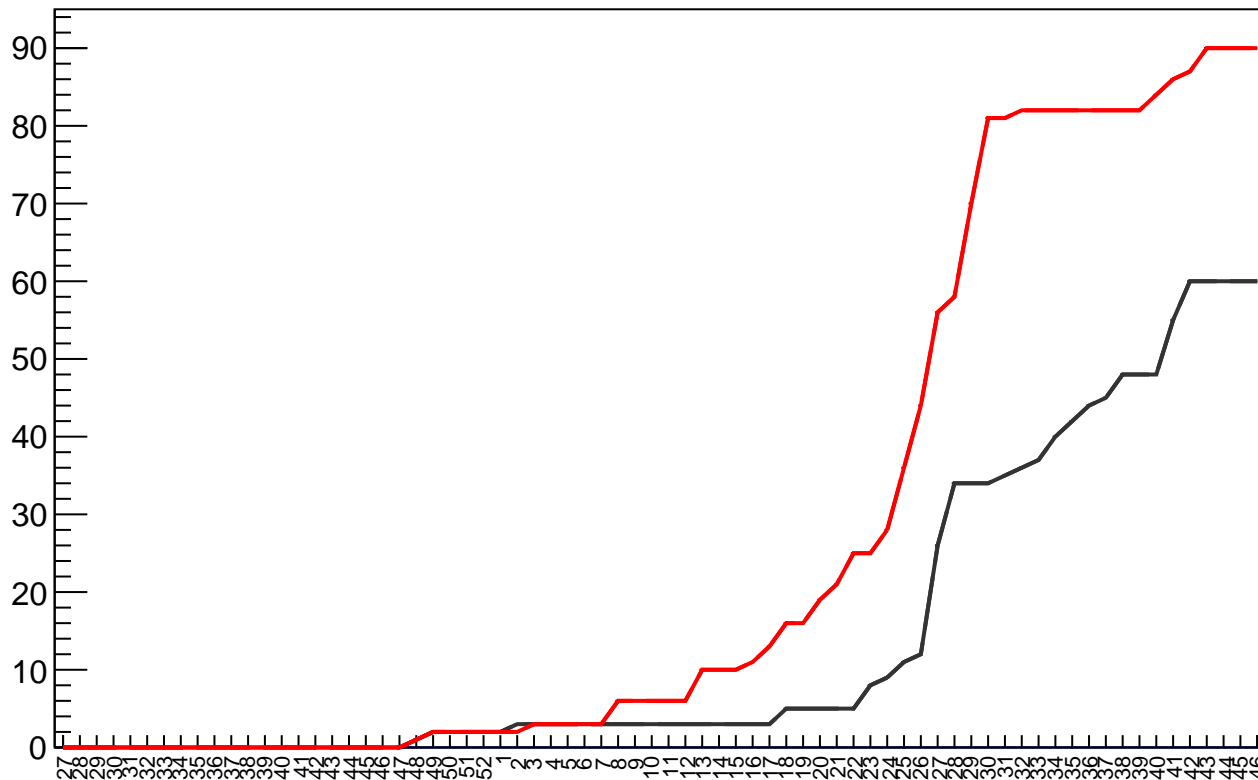
Turin: +0

# Det. grade Stave vs time @CERN

— ML(all)  
— OL(all)

— ML(DG)  
— OL(DG)

#Stave



Week

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

**Berkeley: 1.26(all) -- 1.26(DG)**

**Nikhef: 0.34(all) -- 0.34(DG)**

**Daresbury: 0.43(all) -- 0.43(DG)**

**Frascati: 0.47(all) -- 0.47(DG)**

**Turin: 0.60(all) -- 0.60(DG)**

**OL: 1.83(all) -- 1.83(DG)**

**ML: 1.26(all) -- 1.26(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**

**A-OL-HS-U-024: 0 bad chips**

**A-OL-HS-L-025: 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**