

# Stave production monitoring

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01/05/2019

Monitoring from January 2018 to 01/05/2019

Stave meeting

HS monitoring

### **HSs of previous week**

**F-OL-HS-U-123: 0 bad chips**

**D-OL-HS-L-210: 0 bad chips**

**A-OL-HS-U-018: 0 bad chips**

**B-ML-HS-U-038: 0 bad chips**

**B-ML-HS-U-037: 0 bad chips**

**B-ML-HS-U-036: 0 bad chips**

**B-ML-HS-L-038: 0 bad chips**

**B-ML-HS-L-037: 0 bad chips**

**B-ML-HS-L-036: 0 bad chips**

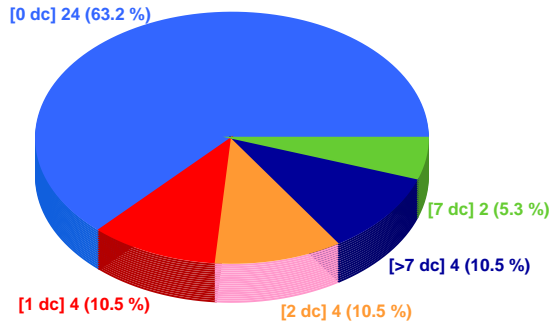
### **HSs of this week**

**D-OL-HS-U-019: 0 bad chips**

**B-ML-HS-U-039: 0 bad chips**

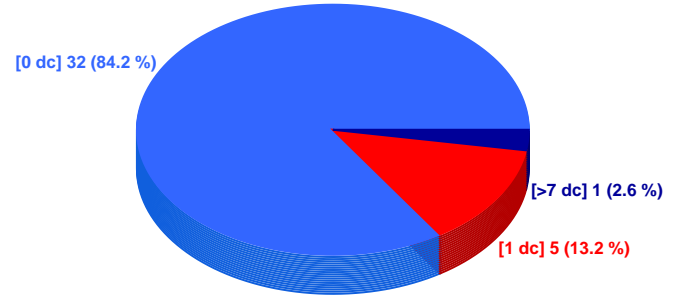
HS - Nikhef

84.21 % ok



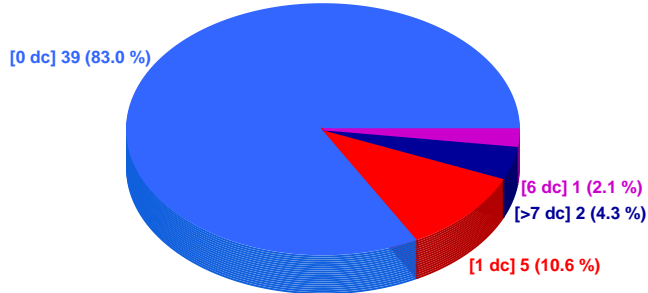
HS - Daresbury

97.37 % ok



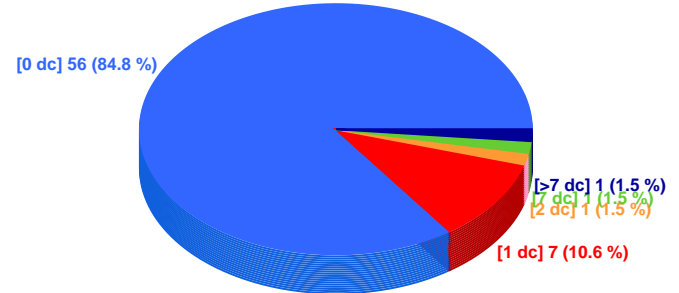
HS - Frascati

93.62 % ok



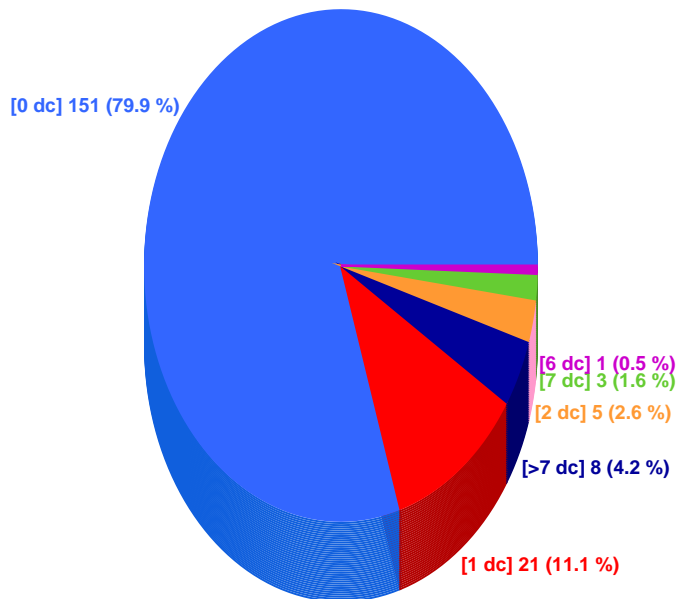
HS - Turin

96.97 % ok



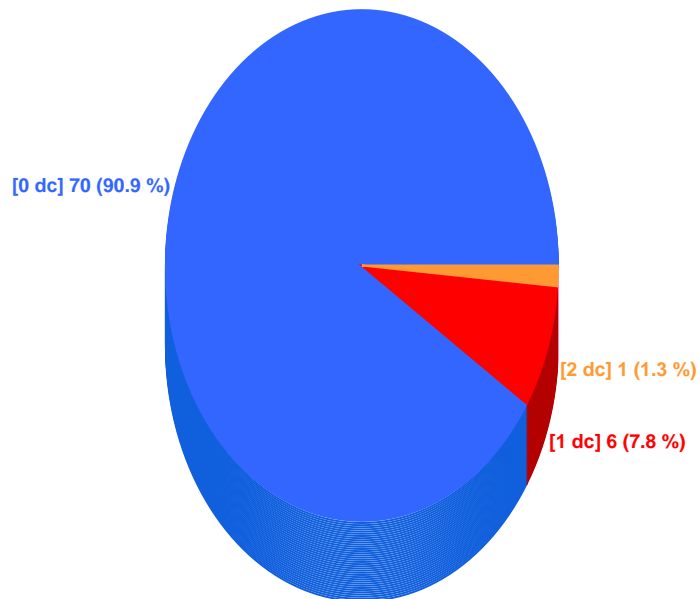
HS - OL

93.65 % ok

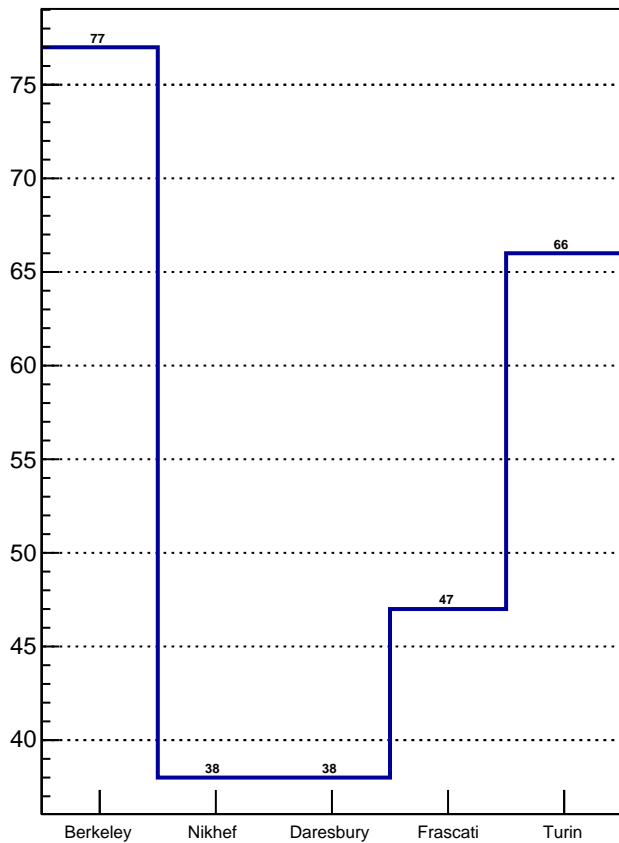


HS - ML

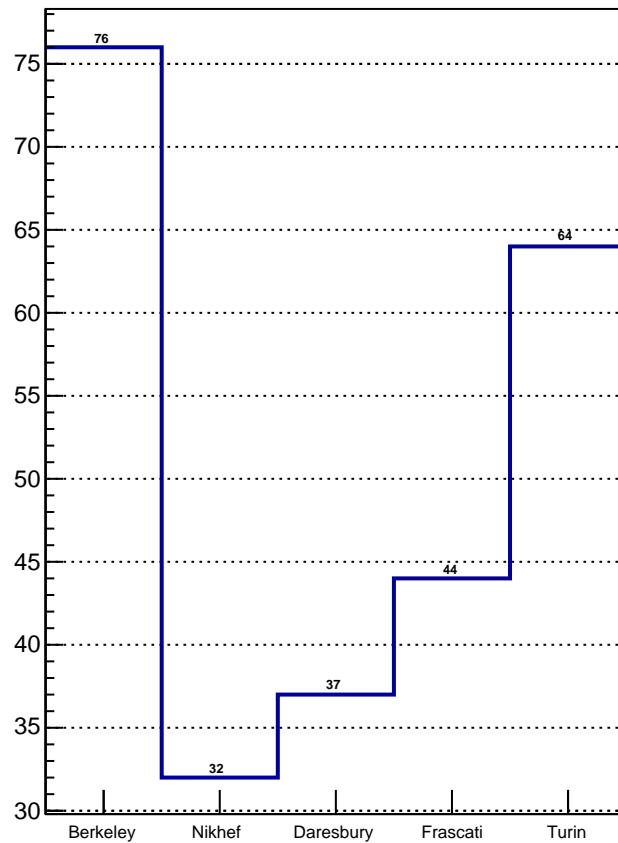
98.70 % ok



# All HS



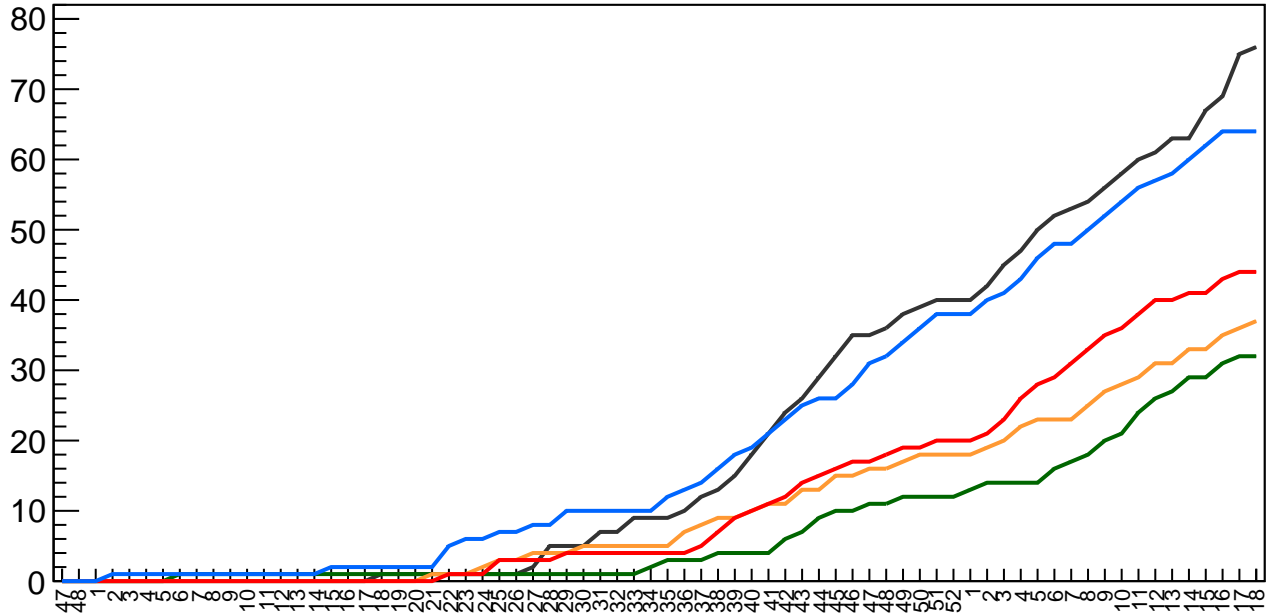
# Det. Grade HS



# Det. grade HS vs time

Berkeley  
 Daresbury  
 Turin  
 Nikhef  
 Frascati

#HS



Week

Comparison to prev. week

Berkeley: +1

Nikhef: +0

Daresbury: +1

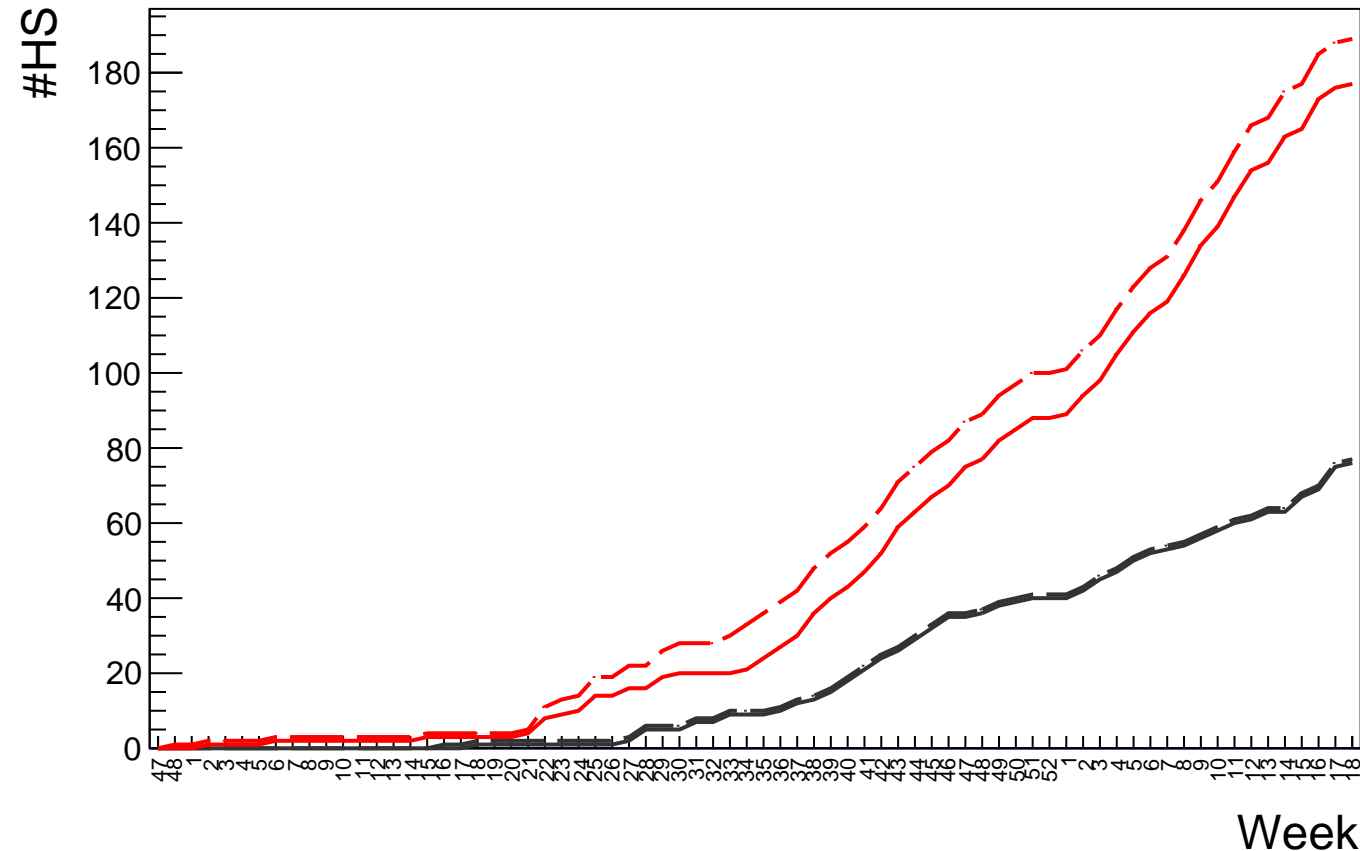
Frascati: +0

Turin: +0

# Det. grade HS vs time

— ML(all)  
— OL(all)

— ML(DG)  
— OL(DG)

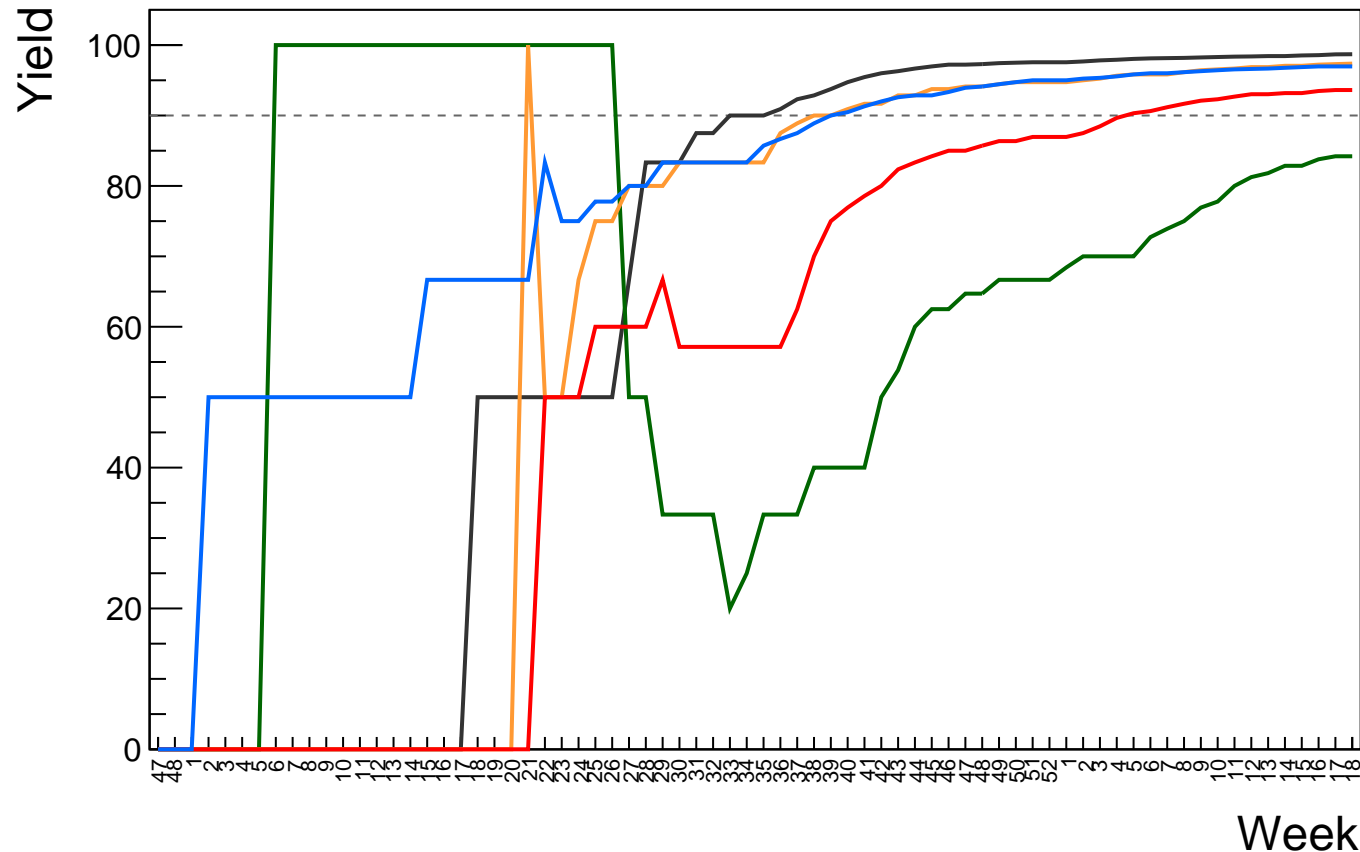




# HS Yield vs time

Berkeley  
 Daresbury  
 Turin

Nikhef  
 Frascati





# Stave monitoring

### **Staves of previous week**

**T-OL-Stave-033: (U,L)=(0, 0) bad chips**

**D-OL-Stave-017: (U,L)=(0, 0) bad chips**

**B-ML-Stave-036: (U,L)=(0, 0) bad chips**

**B-ML-Stave-035: (U,L)=(0, 0) bad chips**

**B-ML-Stave-032: (U,L)=(0, 0) bad chips**

### **Staves of this week**

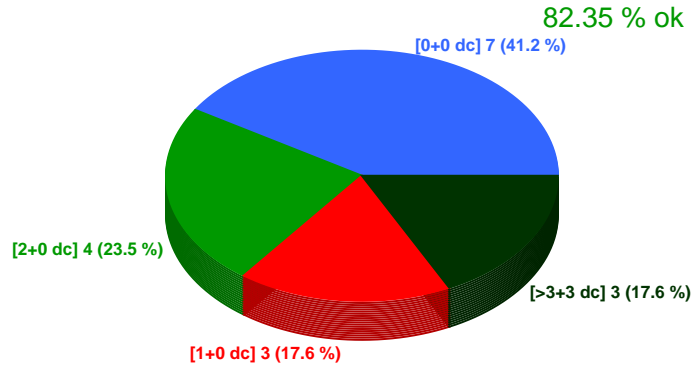
**T-OL-Stave-034: (U,L)=(0, 0) bad chips**

**D-OL-Stave-018: (U,L)=(0, 0) bad chips**

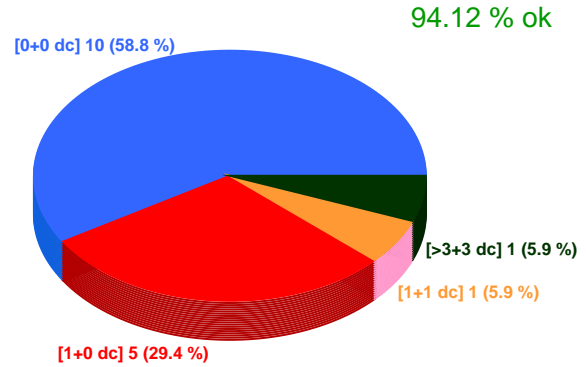
**A-OL-Stave-017: (U,L)=(2, 0) bad chips**

**B-ML-Stave-037: (U,L)=(0, 0) bad chips**

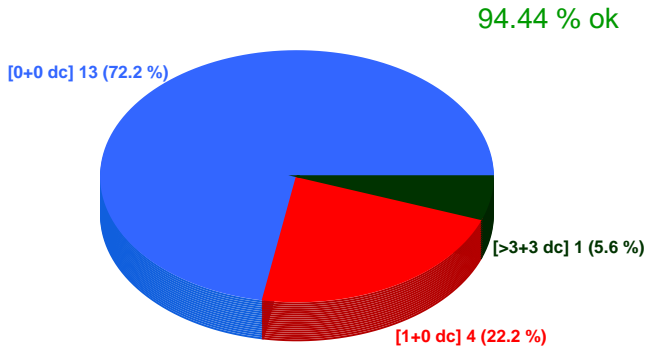
Stave - Nikhef



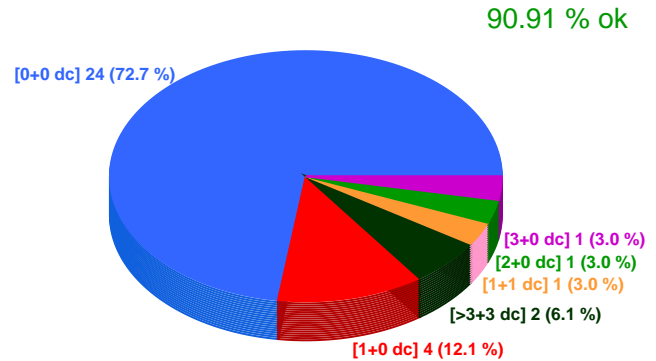
Stave - Daresbury



Stave - Frascati

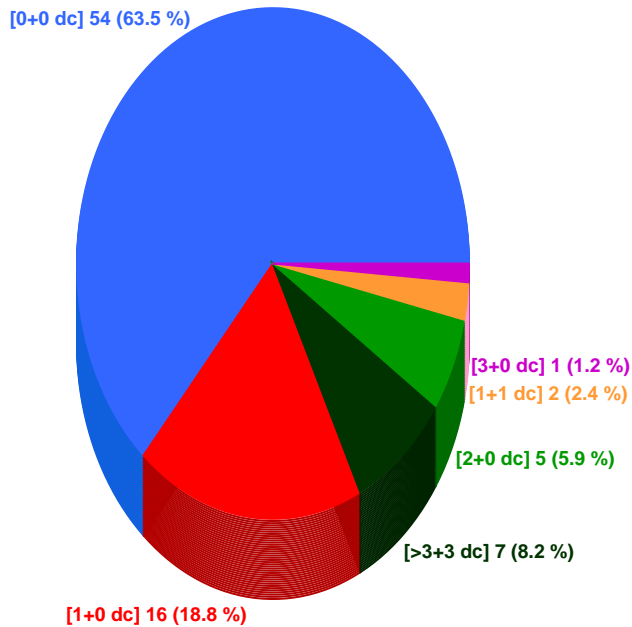


Stave - Turin



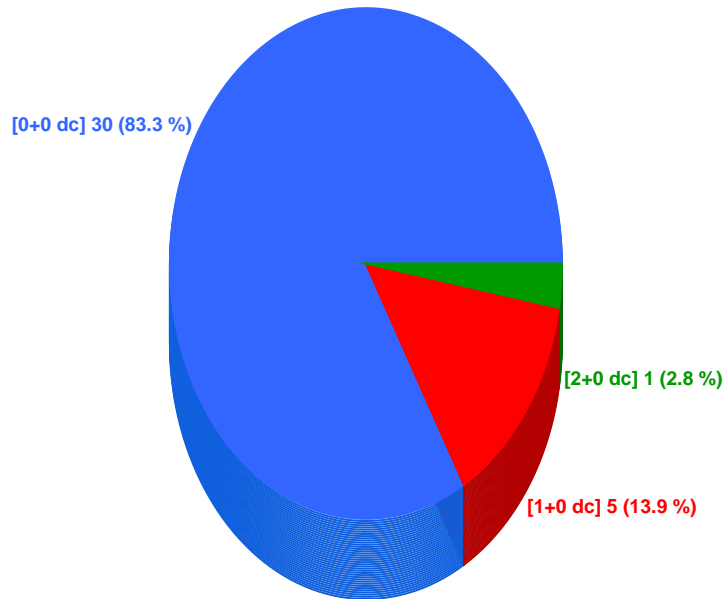
Stave - OL

90.59 % ok

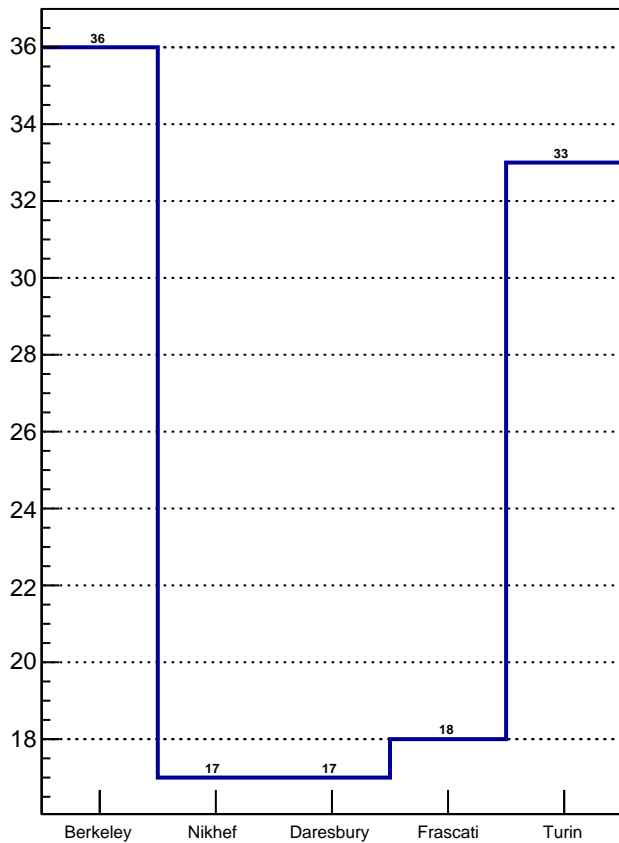


Stave - ML

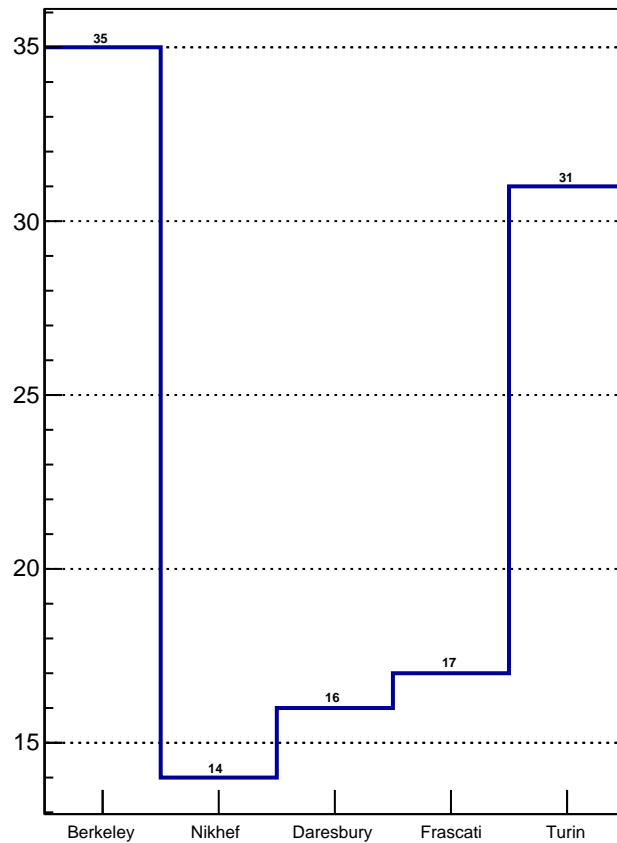
97.22 % ok



All Stave



Det. Grade Stave

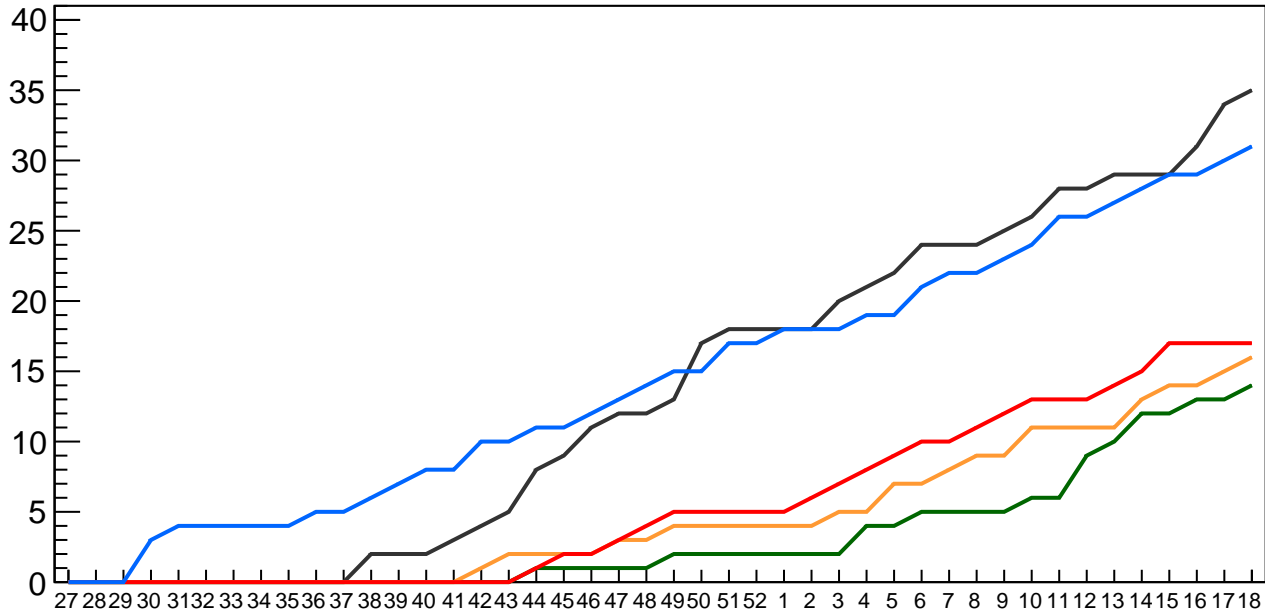


# Det. grade Stave vs time

— Berkeley  
— Daresbury  
— Turin

— Nikhef  
— Frascati

#Stave



Week

Comparison to prev. week

Berkeley: +1

Nikhef: +1

Daresbury: +1

Frascati: +0

Turin: +1

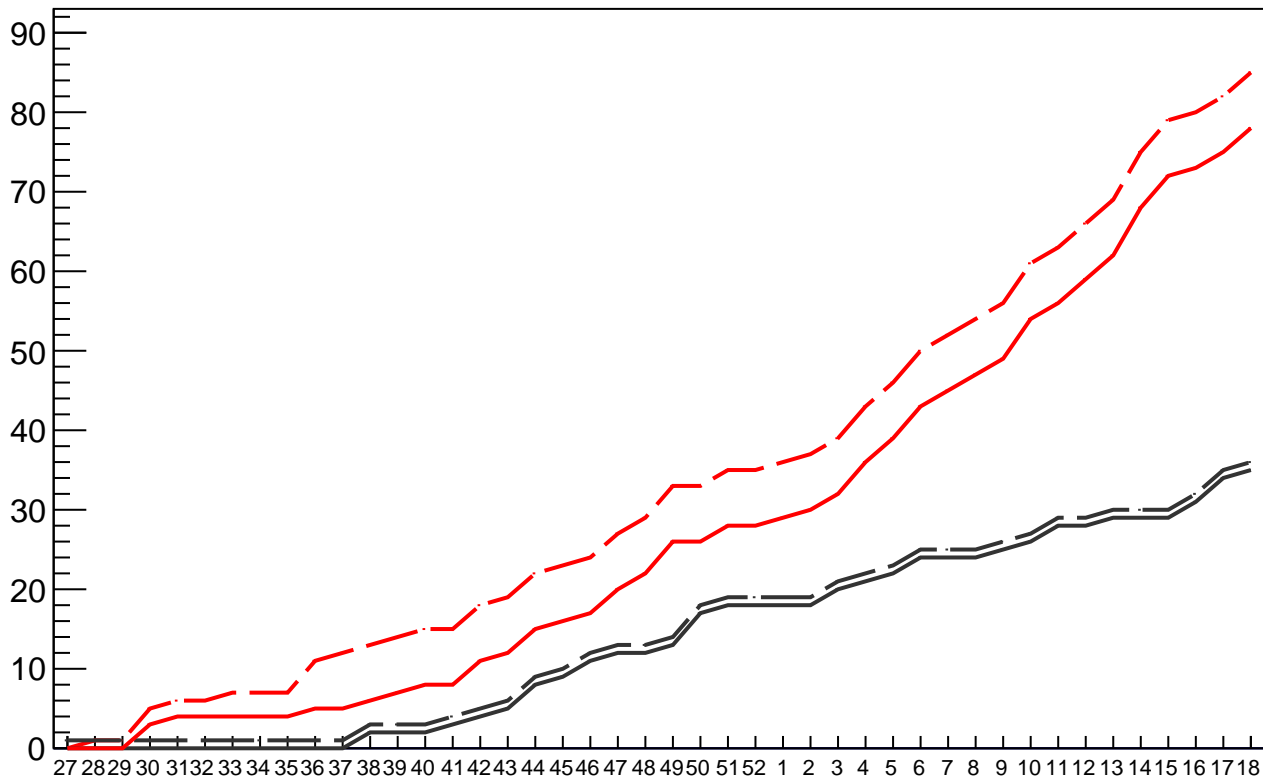


# Det. grade Stave vs time

— ML(all)  
— OL(all)

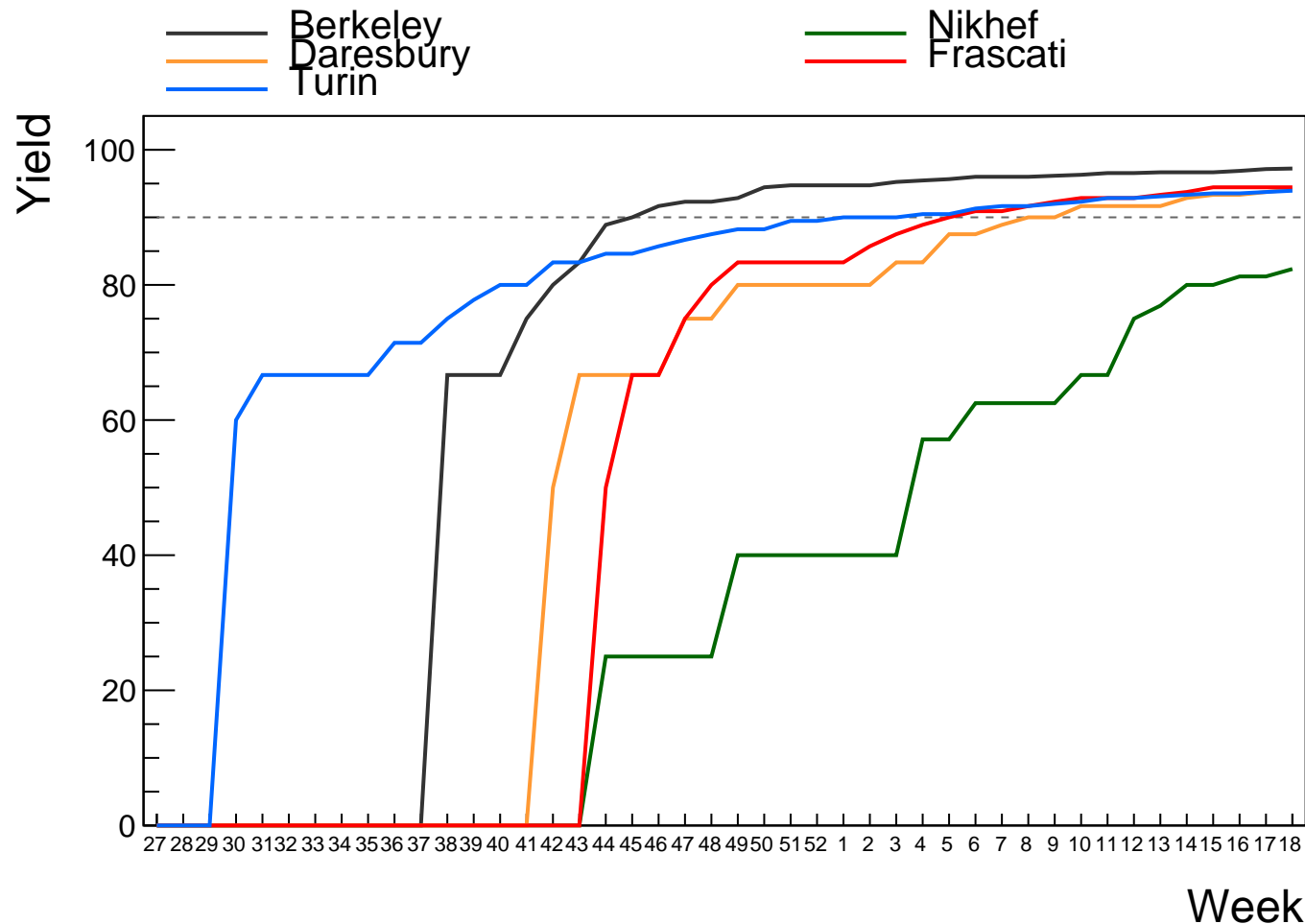
— ML(DG)  
— OL(DG)

#Stave

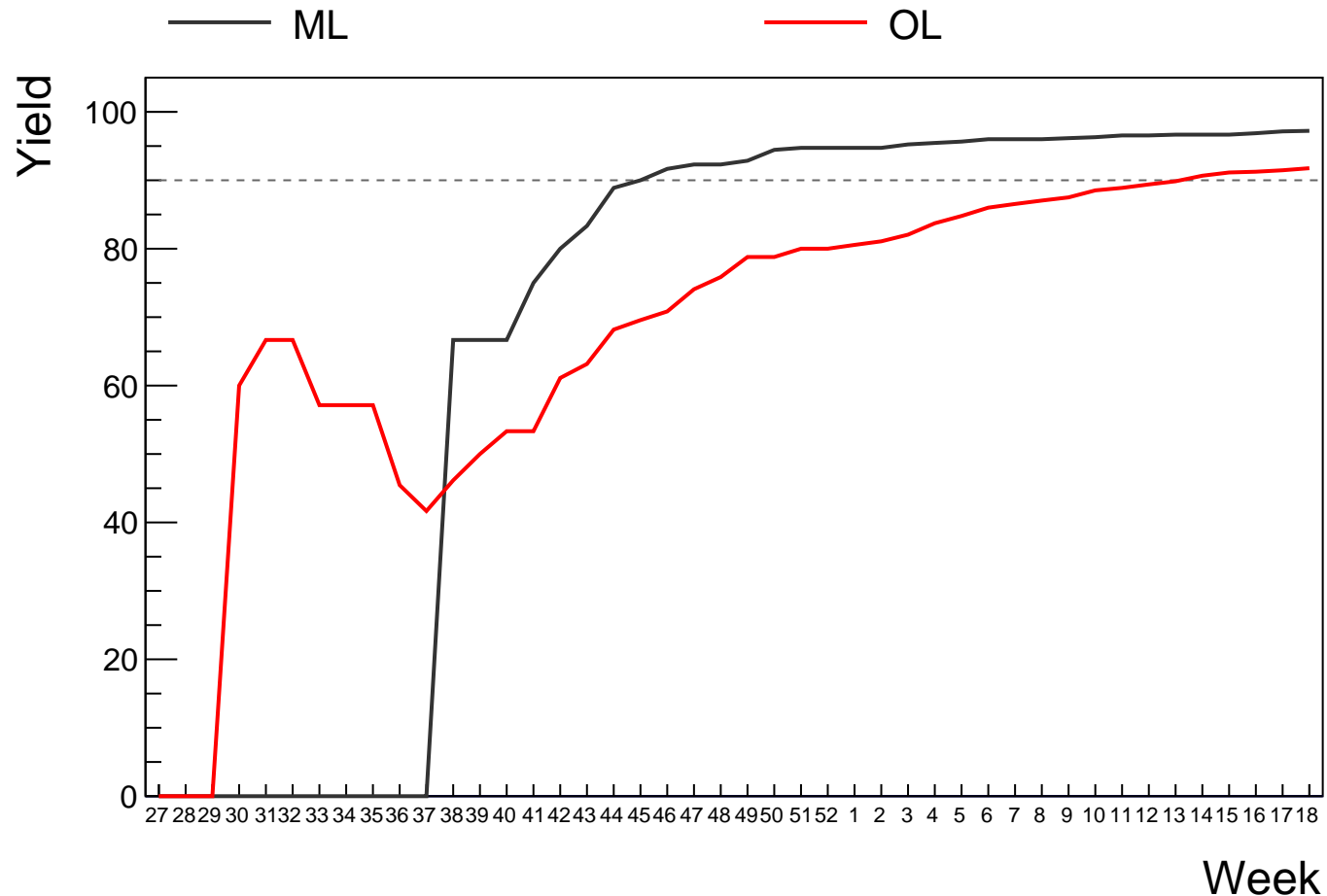


Week

# Stave yield vs time



# Stave yield vs time



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

**Berkeley: 1.14(all) -- 1.14(DG)**

**Nikhef: 0.46(all) -- 0.46(DG)**

**Daresbury: 0.54(all) -- 0.54(DG)**

**Frascati: 0.61(all) -- 0.61(DG)**

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

**OL: 2.39(all) -- 2.39(DG)**

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

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

Stave reception @CERN

## **Staves qualified in the previous week**

**T-OL-Stave-032:  $(U,L)=(0, 0)$  bad chips**

**T-OL-Stave-031:  $(U,L)=(1, 0)$  bad chips**

**T-OL-Stave-030:  $(U,L)=(0, 0)$  bad chips**

**F-OL-Stave-020:  $(U,L)=(0, 0)$  bad chips**

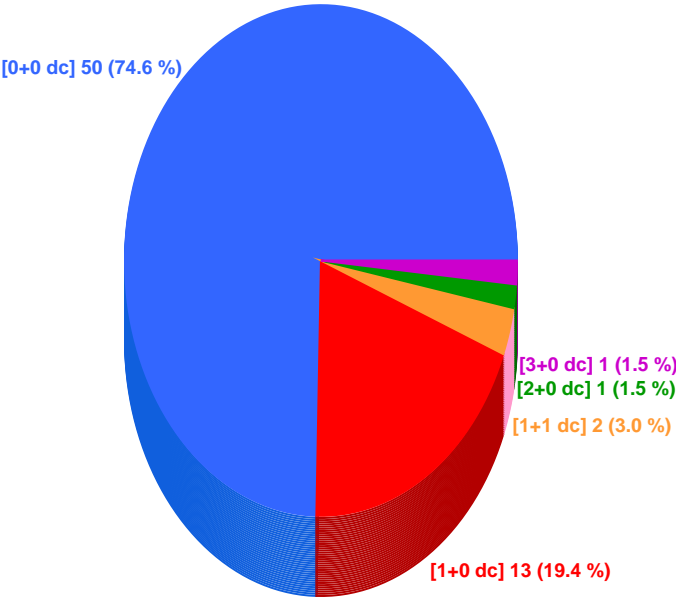
**F-OL-Stave-016:  $(U,L)=(0, 0)$  bad chips**

## **Staves qualified this week**

**A-OL-Stave-013:  $(U,L)=(0, 2)$**

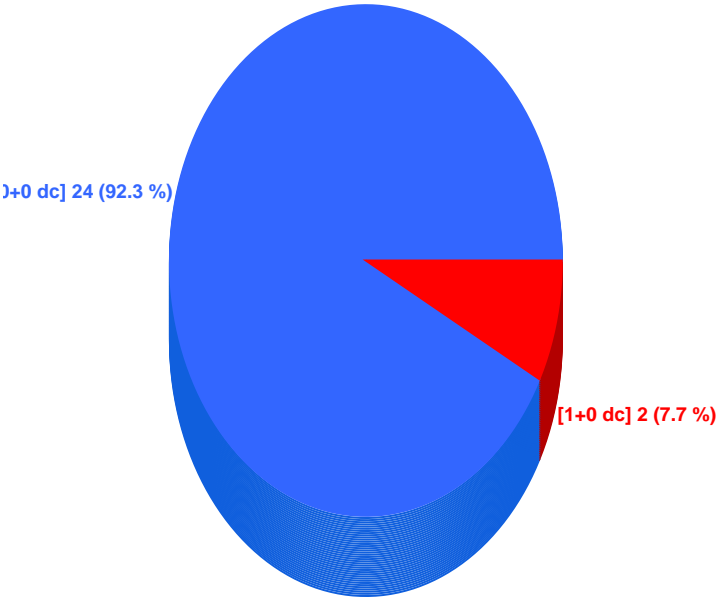
Stave - OL @CERN

98.51 % ok

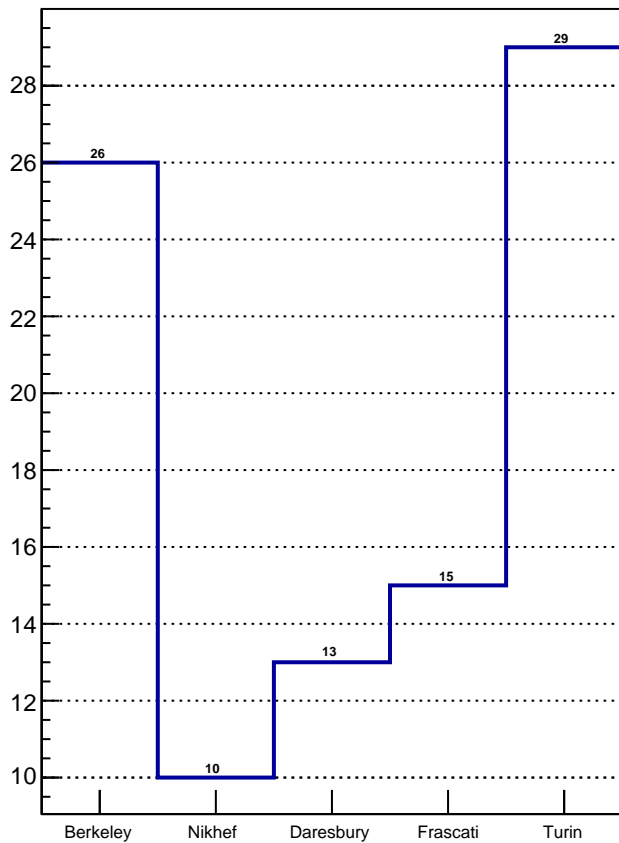


Stave - ML @CERN

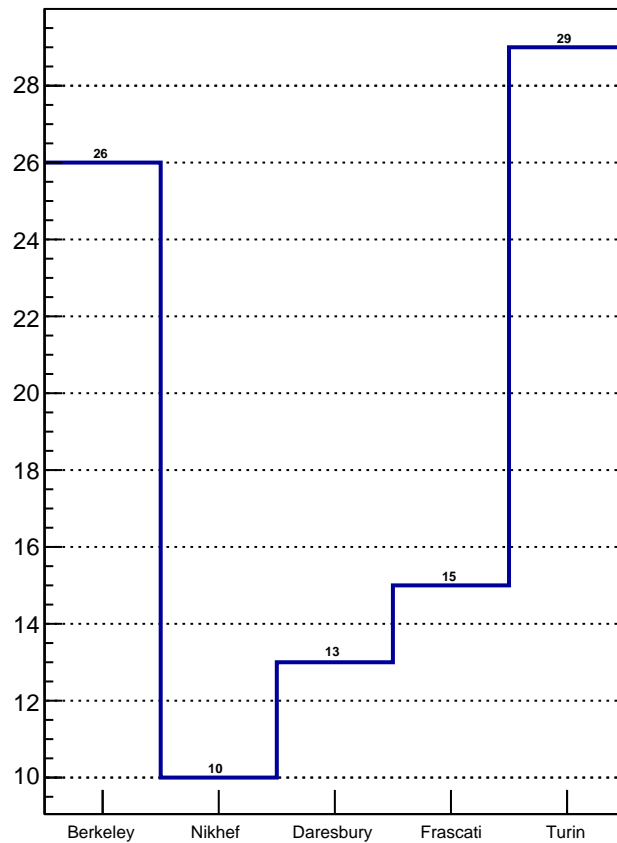
100.00 % ok



All Stave @CERN



Det. Grade Stave @CERN



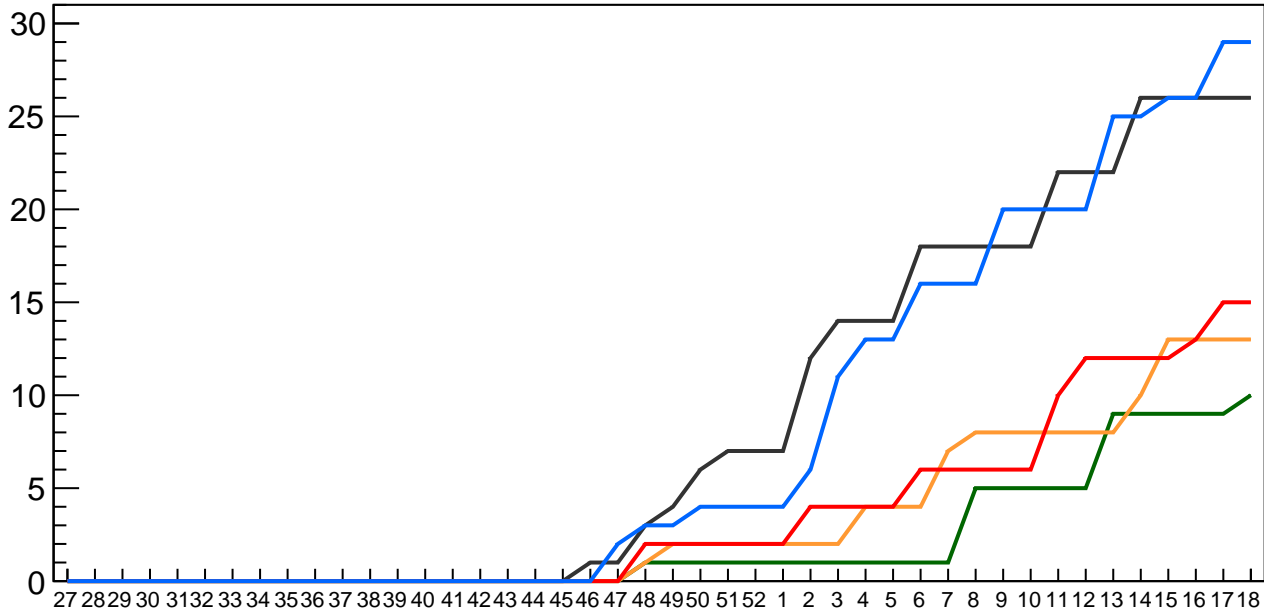


# Det. grade Stave vs time @CERN

Berkeley  
Daresbury  
Turin

Nikhef  
Frascati

#Stave



Week

Comparison to prev. week

Berkeley: +0

Nikhef: +1

Daresbury: +0

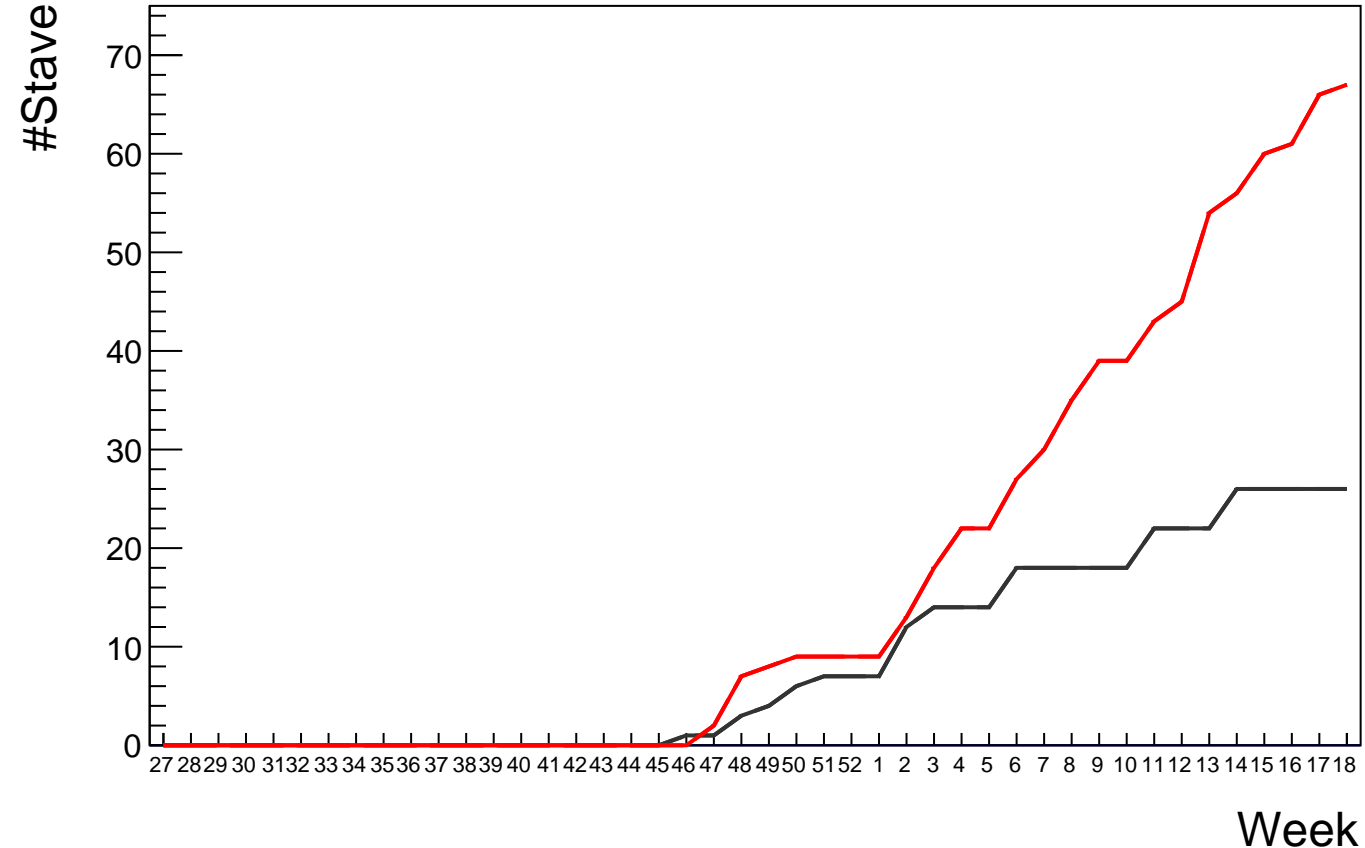
Frascati: +0

Turin: +0

# Det. grade Stave vs time @CERN

— ML(all)  
— OL(all)

— ML(DG)  
— OL(DG)



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

**Berkeley: 1.21(all) -- 1.21(DG)**

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

**Daresbury: 0.63(all) -- 0.63(DG)**

**Frascati: 0.68(all) -- 0.68(DG)**

**Turin: 1.37(all) -- 1.37(DG)**

**OL: 3.11(all) -- 3.11(DG)**

**ML: 1.21(all) -- 1.21(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-L-002: 0 bad chips**  
**F-OL-HS-U-123: 0 bad chips**  
**F-OL-HS-U-022: 0 bad chips**  
**F-OL-HS-U-013: 0 bad chips**  
**F-OL-HS-U-005: 0 bad chips**  
**F-OL-HS-L-024: 0 bad chips**  
**F-OL-HS-L-023: 0 bad chips**  
**F-OL-HS-L-022: 0 bad chips**  
**F-OL-HS-L-013: 1 bad chips**  
**F-OL-HS-L-005: 0 bad chips**  
**D-OL-HS-U-019: 0 bad chips**  
**D-OL-HS-U-008: 0 bad chips**  
**D-OL-HS-L-210: 0 bad chips**  
**D-OL-HS-L-008: 0 bad chips**  
**A-OL-HS-U-018: 0 bad chips**  
**A-OL-HS-L-019: 0 bad chips**  
**A-OL-HS-L-013: 0 bad chips**  
**B-ML-HS-U-039: 0 bad chips**  
**B-ML-HS-U-038: 0 bad chips**  
**B-ML-HS-U-014: 0 bad chips**  
**B-ML-HS-L-038: 0 bad chips**  
**B-ML-HS-L-014: 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**

**F-OL-Stave-001: (U,L) = (43, 14) bad chips**

**T-OL-Stave-003: (U,L) = (6, 2) bad chips**

**T-OL-Stave-002: (U,L) = (7, 1) bad chips**

**D-OL-Stave-001: (U,L) = (0, 15) bad chips**

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