

# Stave production monitoring

**Ivan Ravasenga**, *Politecnico di Torino and I.N.F.N.*

26/02/2019

Monitoring from January 2018 to 26/02/2019

Stave meeting

HS monitoring

### **HSs of previous week**

**D-OL-HS-L-013: 0 bad chips**

**D-OL-HS-U-013: 0 bad chips**

**B-ML-HS-L-028: 0 bad chips**

**F-OL-HS-L-018: 0 bad chips**

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

**T-OL-HS-L-027: 0 bad chips**

**T-OL-HS-U-027: 0 bad chips**

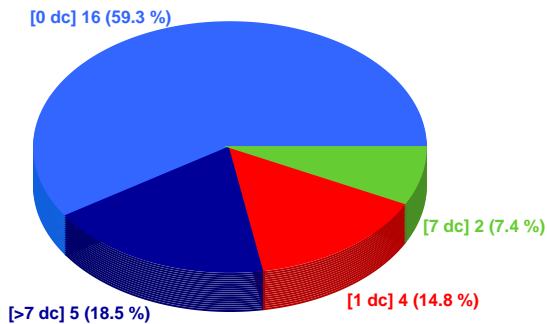
### **HSs of this week**

**A-OL-HS-U-012: 0 bad chips**

**A-OL-HS-L-015: 1 bad chips**

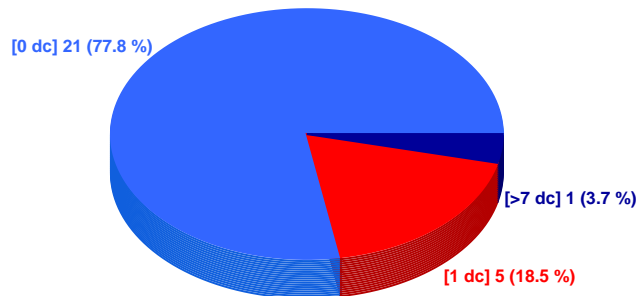
HS - Nikhef

74.07 % ok



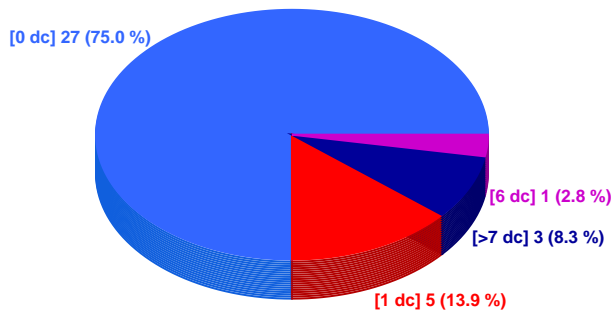
HS - Daresbury

96.30 % ok



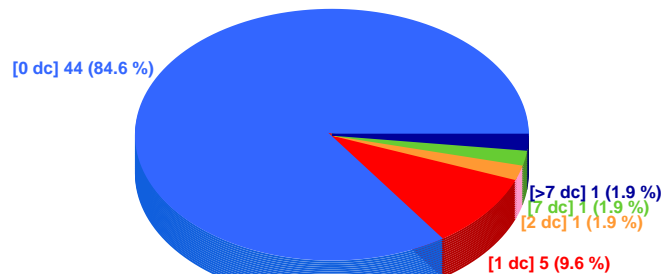
HS - Frascati

88.89 % ok



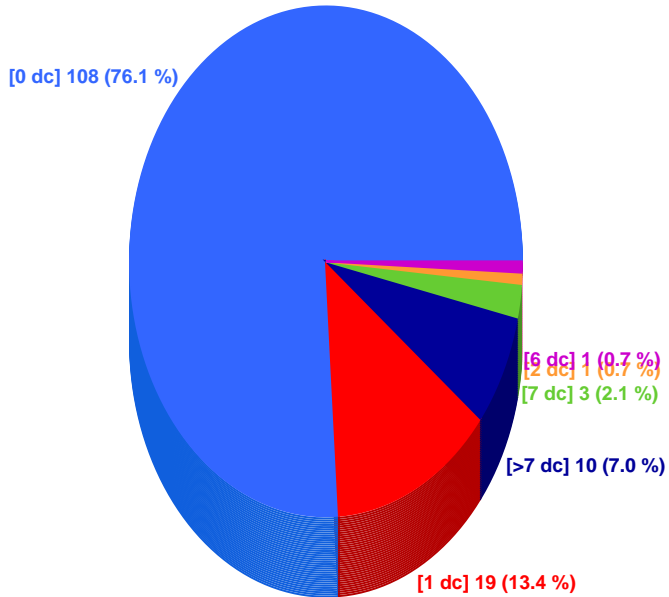
HS - Turin

96.15 % ok



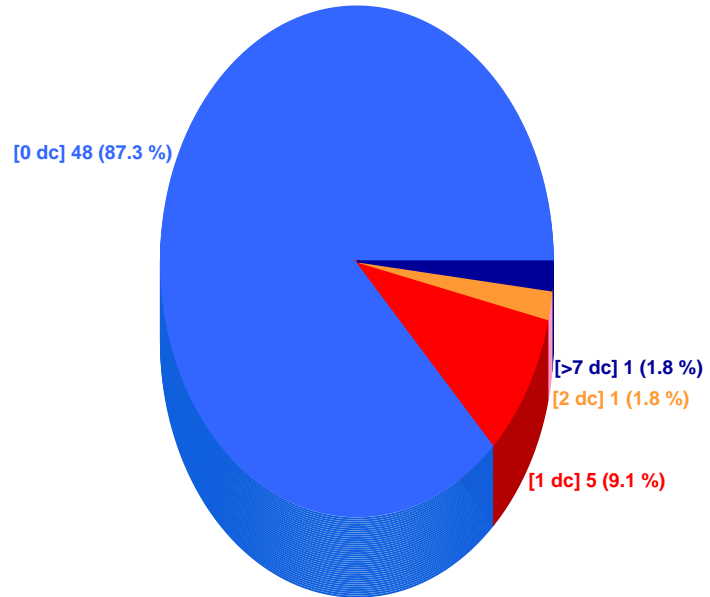
HS - OL

90.14 % ok

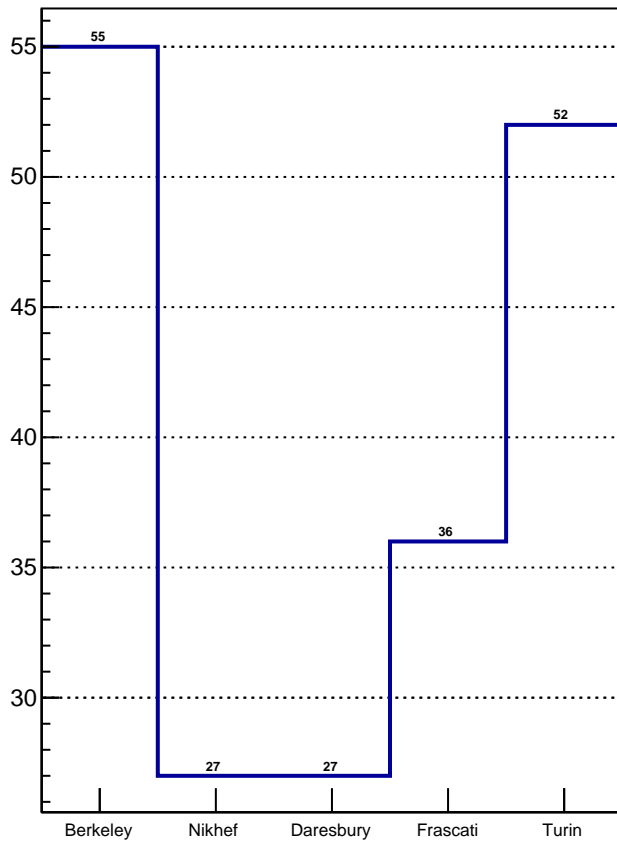


HS - ML

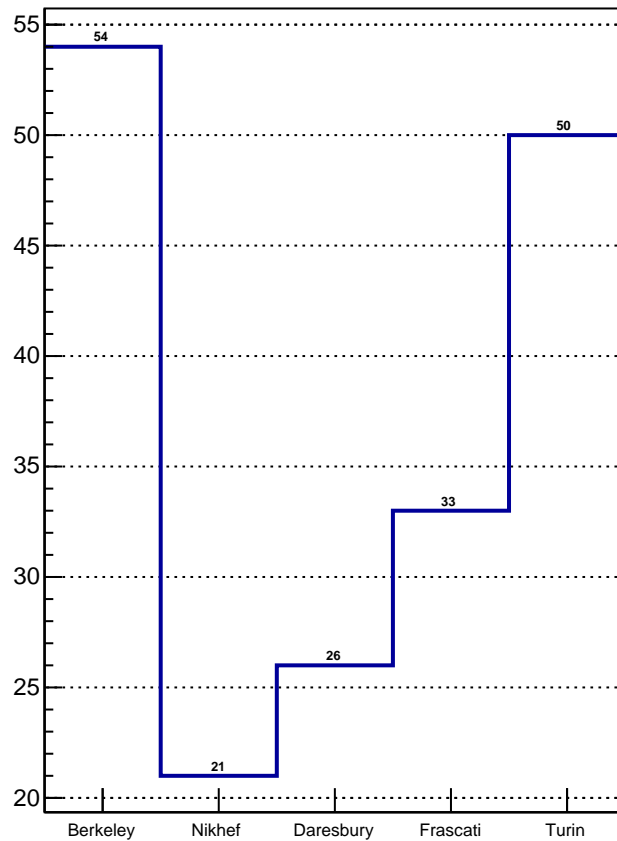
96.36 % ok



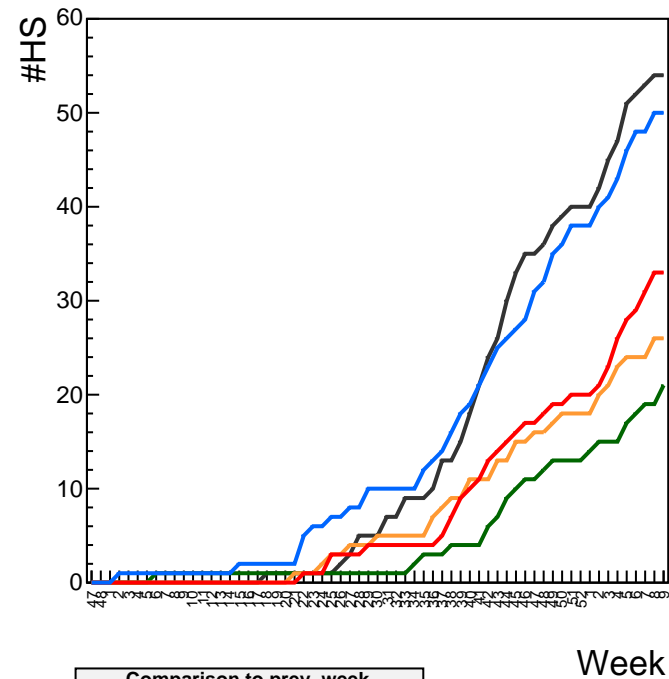
# All HS



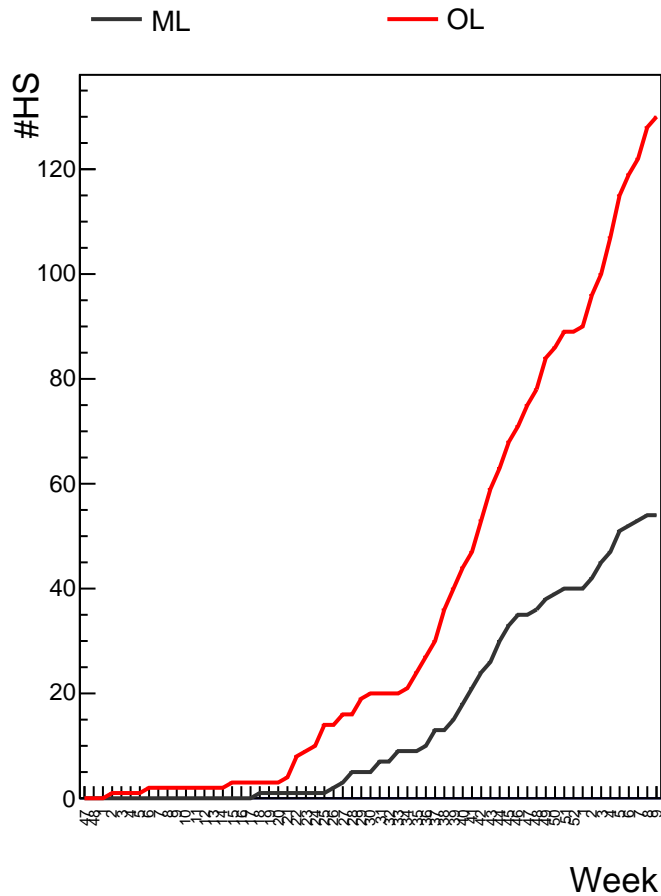
# Det. Grade HS



Det. grade HS vs time

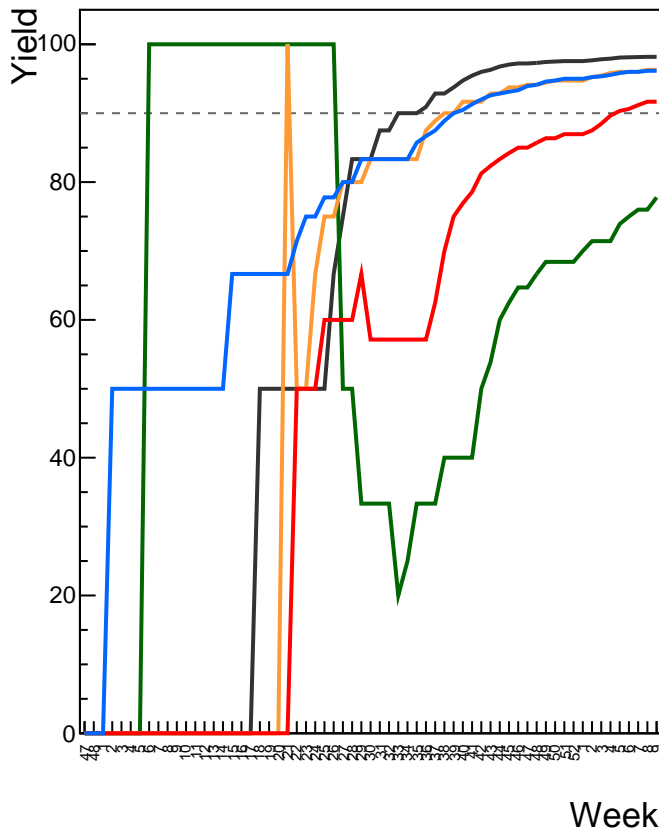


Det. grade HS vs time



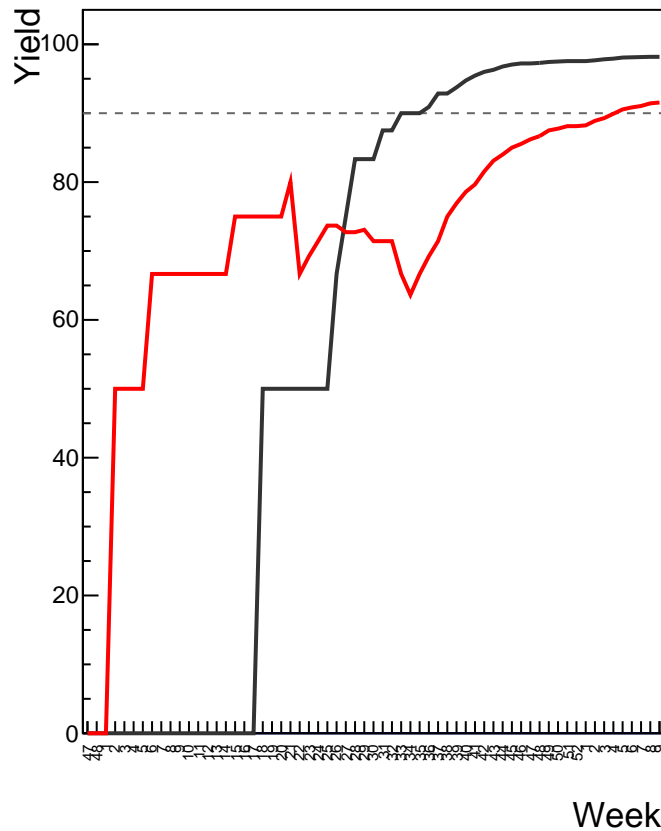
# HS Yield vs time

— Berkeley  
 — Daresbury  
 — Turin  
 — Nikhef  
 — Frascati



# HS Yield vs time

— ML  
 — OL





# Stave monitoring

## **Staves of previous week**

**D-OL-Stave-011:  $(U,L)=(0, 1)$  bad chips**

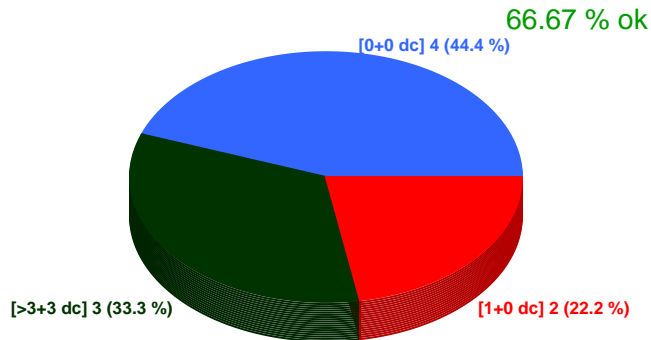
**F-OL-Stave-016:  $(U,L)=(0, 0)$  bad chips**

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

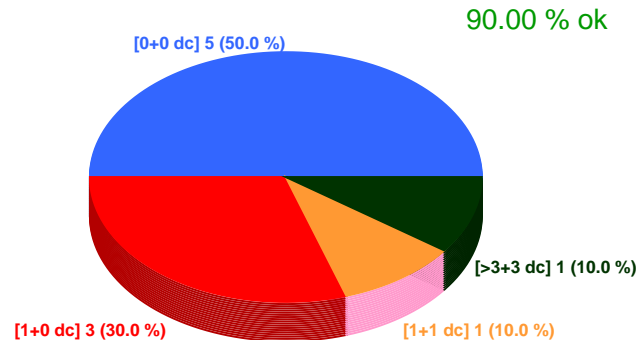
## **Staves of this week**

**B-ML-Stave-028:  $(U,L)=(0, 0)$  bad chips**

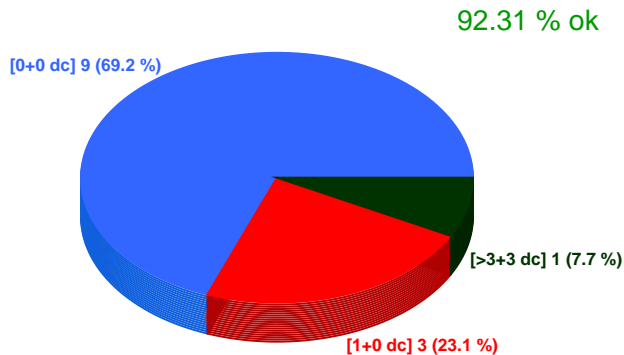
Stave - Nikhef



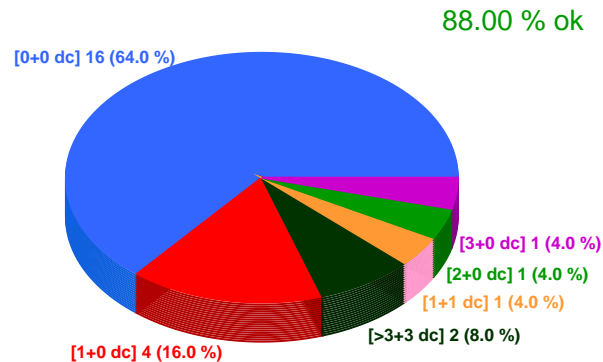
Stave - Daresbury



Stave - Frascati

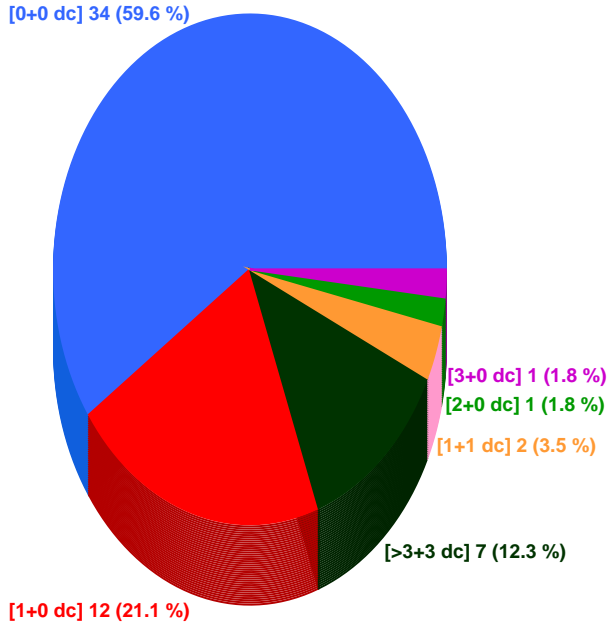


Stave - Turin



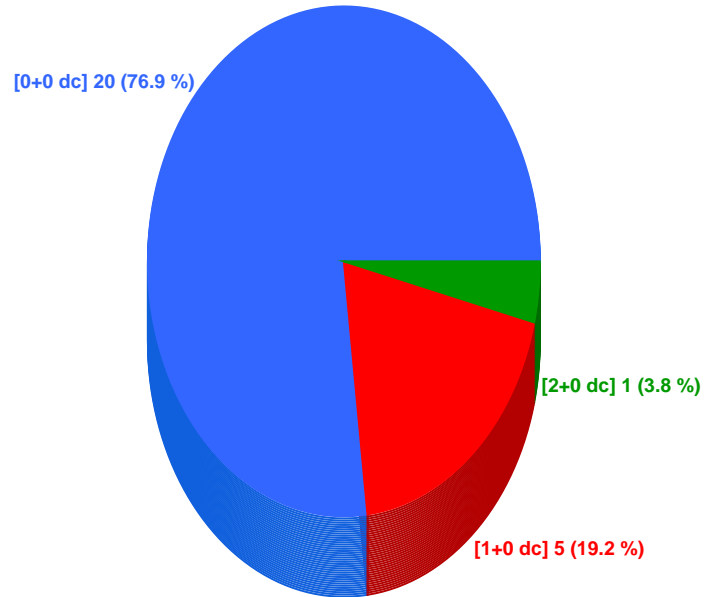
Stave - OL

85.96 % ok

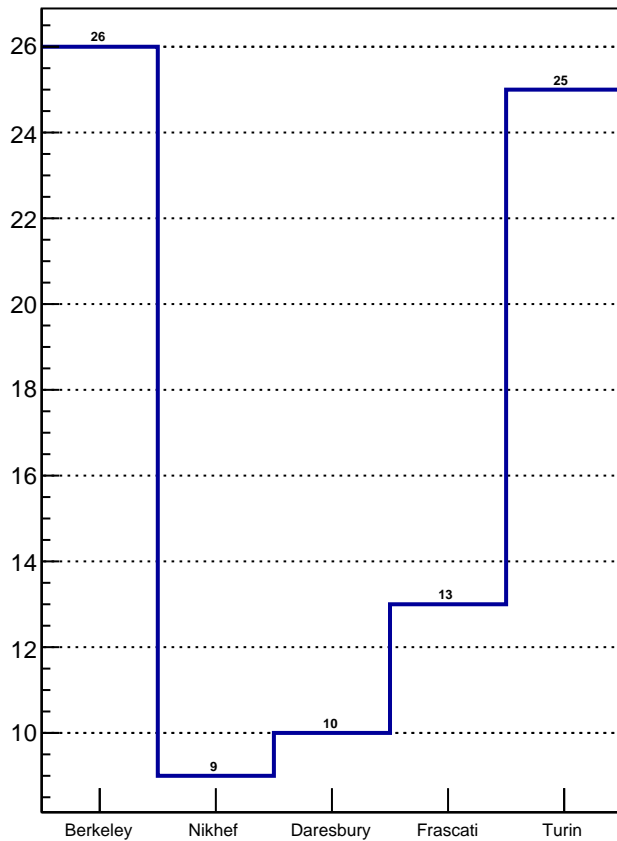


Stave - ML

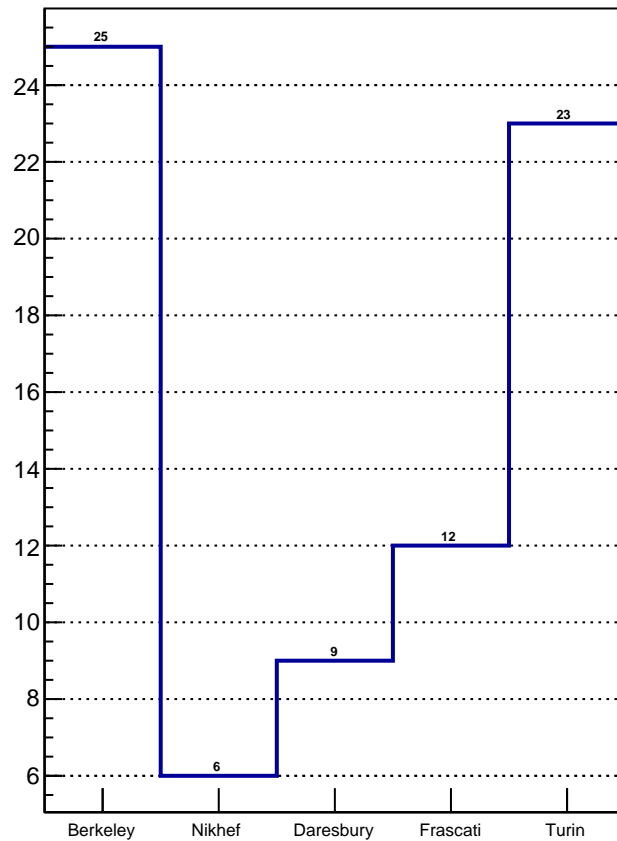
96.15 % ok



All Stave

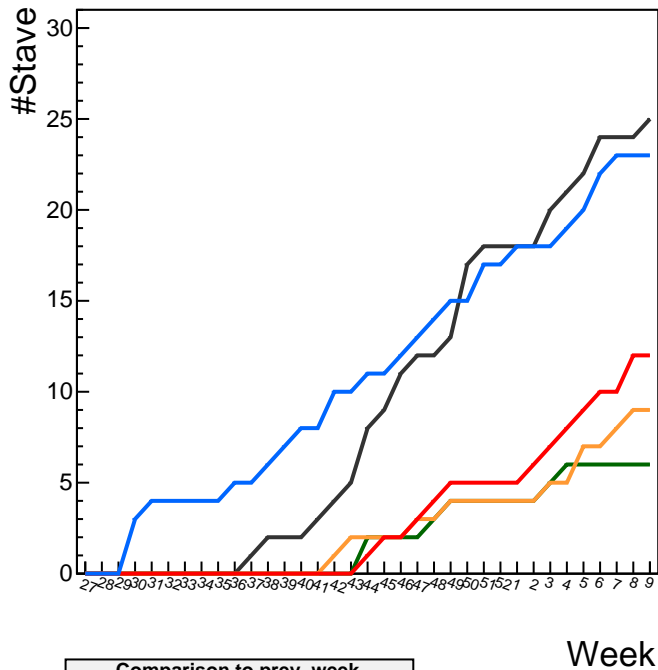


Det. Grade Stave



Det. grade Stave vs time

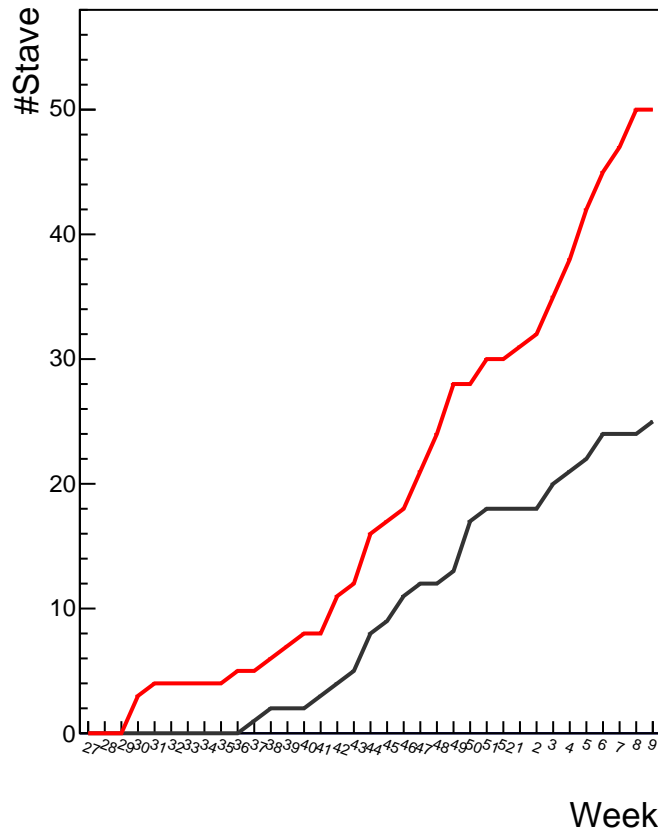
— Berkeley  
 — Daresbury  
 — Turin  
 — Nikhef  
 — Frascati



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

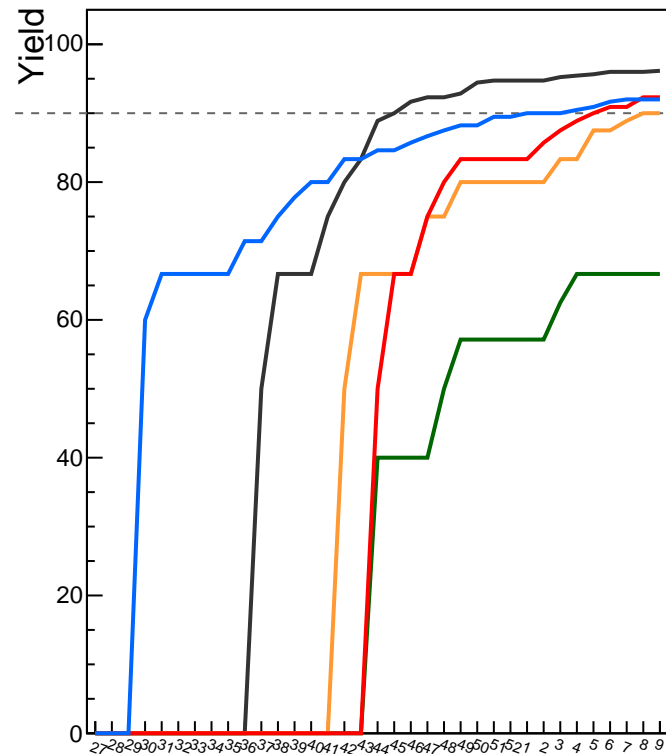
Det. grade Stave vs time

— ML  
 — OL



# Stave yield vs time

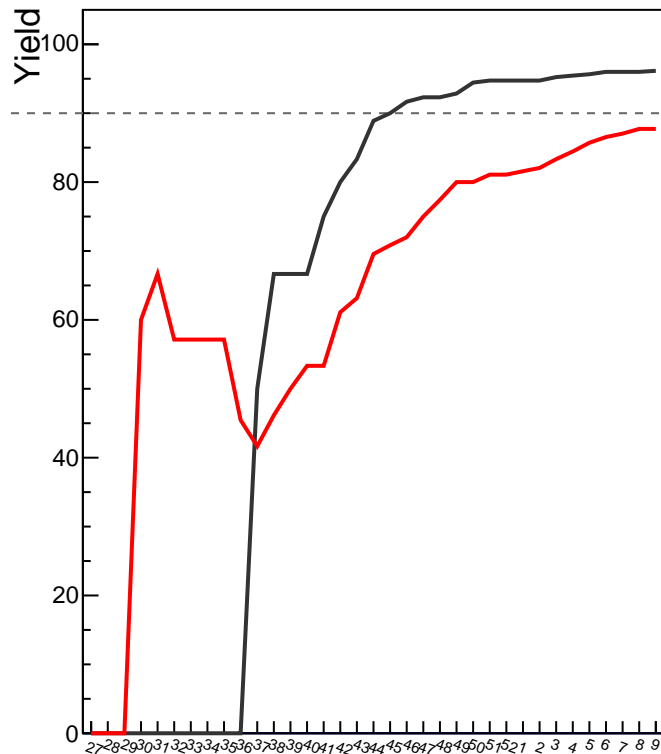
— Berkeley  
 — Daresbury  
 — Turin  
 — Nikhef  
 — Frascati



Week

# Stave yield vs time

— ML  
 — OL



Week

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

**Berkeley: 1.16(all) -- 1.16(DG)**

**Nikhef: 0.32(all) -- 0.32(DG)**

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

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

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

**OL: 2.21(all) -- 2.21(DG)**

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

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



Stave reception @CERN

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

**A-OL-Stave-006:  $(U,L)=(0, 0)$**

**A-OL-Stave-007:  $(U,L)=(0, 0)$**

**A-OL-Stave-008:  $(U,L)=(0, 1)$**

**A-OL-Stave-009:  $(U,L)=(1, 0)$**

**D-OL-Stave-003:  $(U,L)=(1, 1)$**

### **Staves qualified this week**

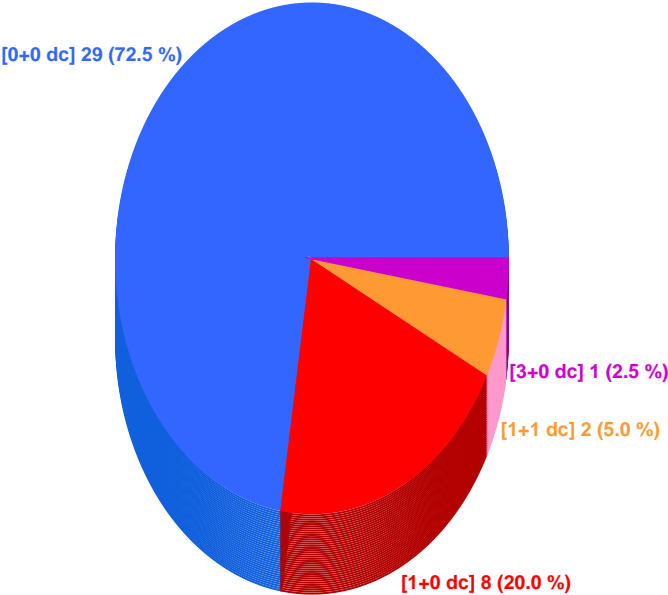
**T-OL-Stave-012:  $(U,L)=(0, 1)$**

**T-OL-Stave-007:  $(U,L)=(0, 1)$**

**T-OL-Stave-025:  $(U,L)=(0, 0)$**

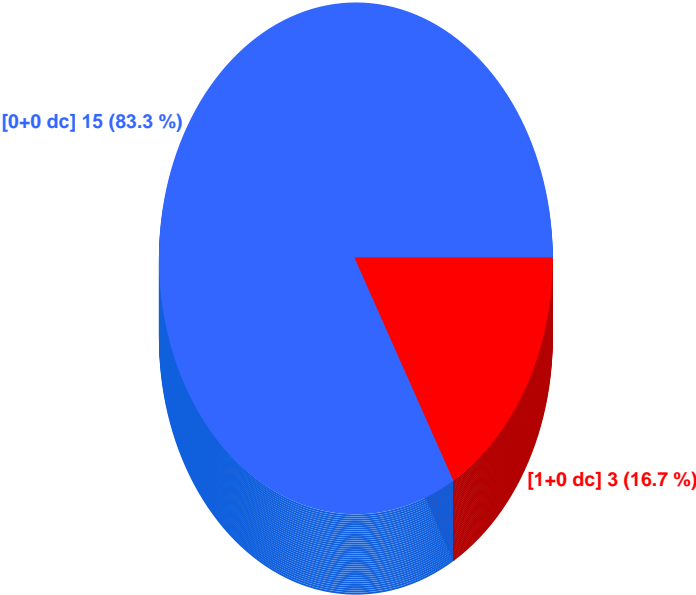
Stave - OL @CERN

97.50 % ok

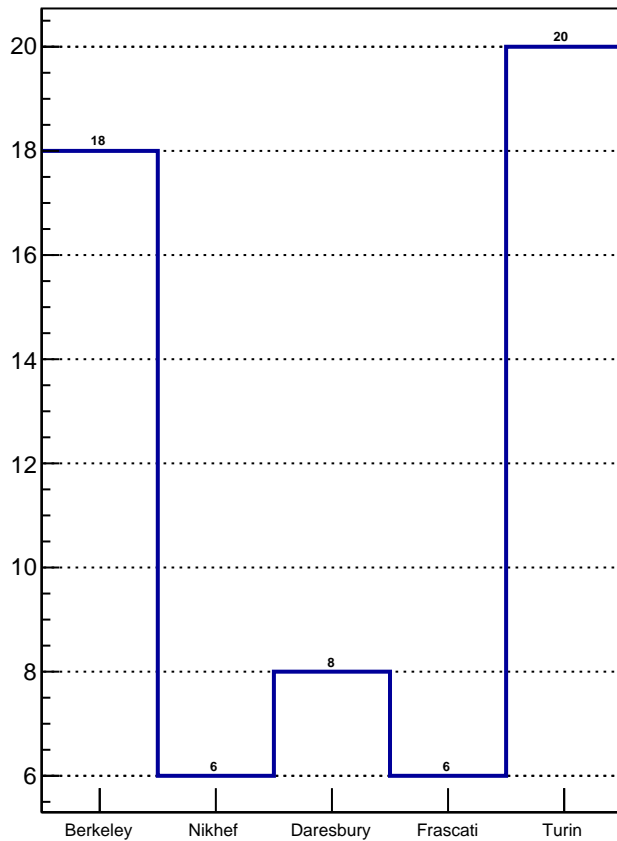


Stave - ML @CERN

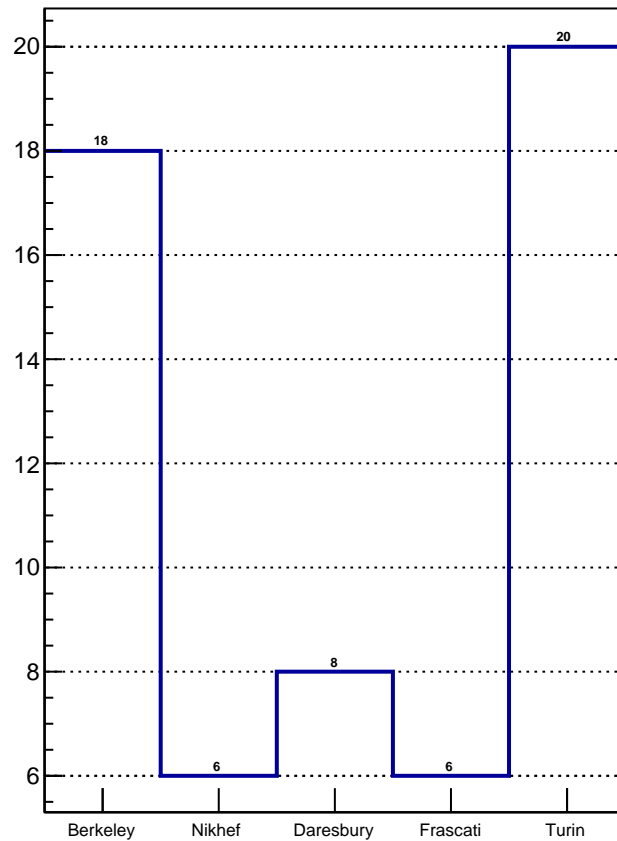
100.00 % ok



All Stave @CERN



Det. Grade Stave @CERN

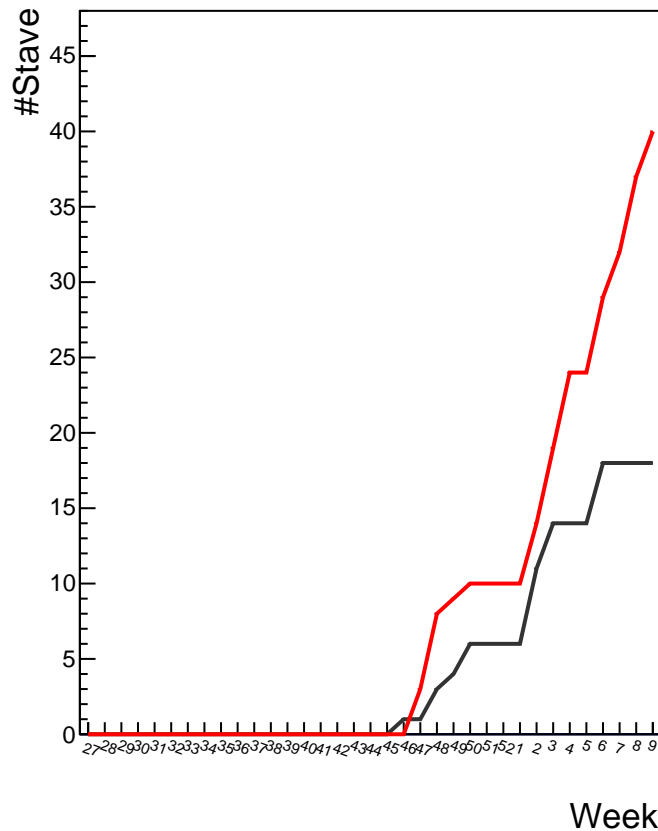
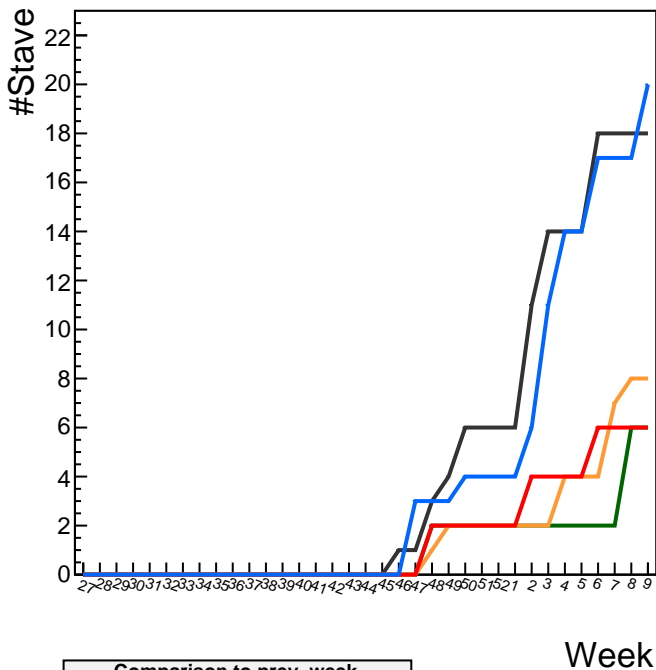


Det. grade Stave vs time @CERN

Det. grade Stave vs time @CERN

— Berkeley  
 — Daresbury  
 — Turin  
 — Nikhef  
 — Frascati

— ML  
 — OL



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

**Berkeley: 1.50(all) -- 1.50(DG)**

**Nikhef: 0.40(all) -- 0.40(DG)**

**Daresbury: 0.70(all) -- 0.70(DG)**

**Frascati: 0.40(all) -- 0.40(DG)**

**Turin: 1.40(all) -- 1.40(DG)**

**OL: 2.90(all) -- 2.90(DG)**

**ML: 1.50(all) -- 1.50(DG)**

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