Stave production monitoring

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07/10/2019

Monitoring from January 2018 to 07/10/2019

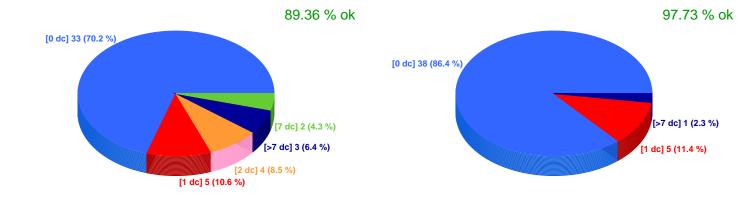
Stave meeting

HS monitoring

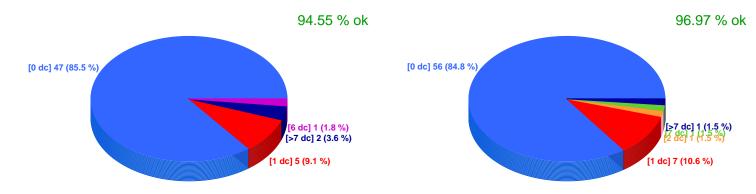
HSs of previous week

HSs of this week

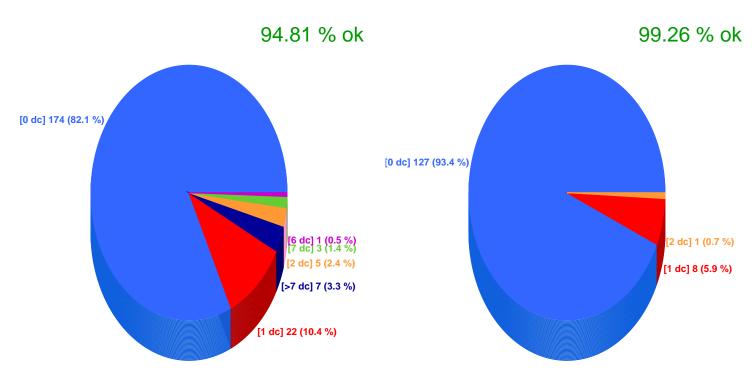






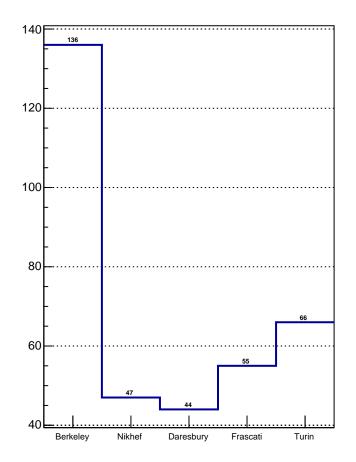


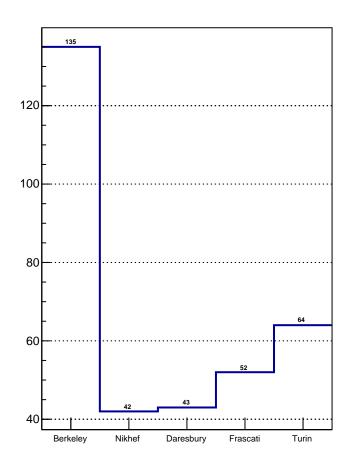
HS - OL HS - ML

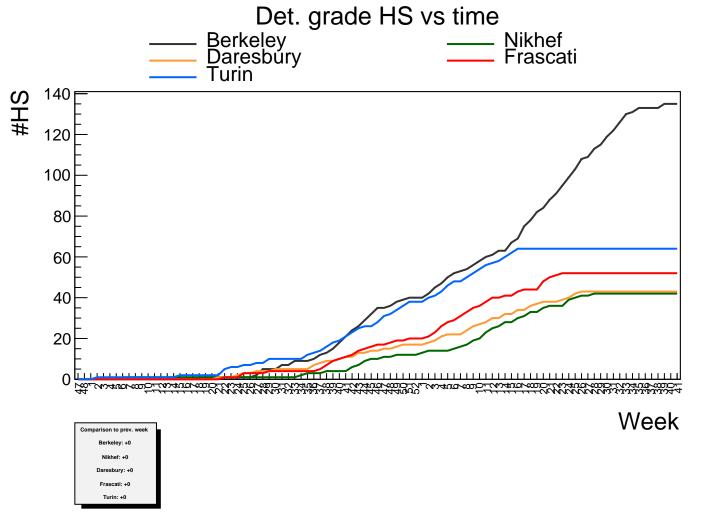


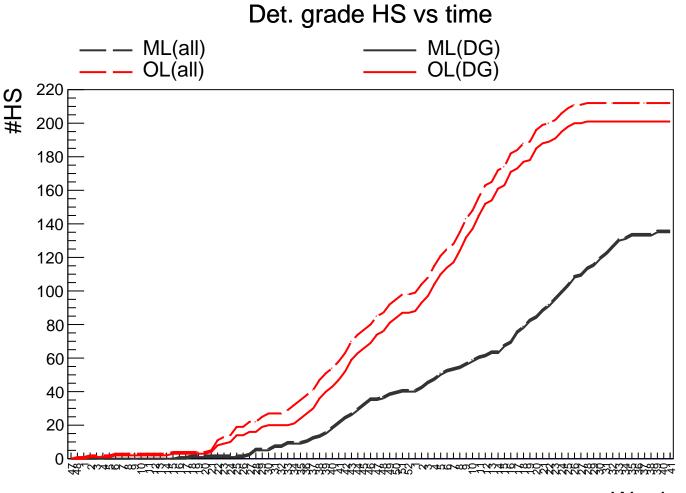


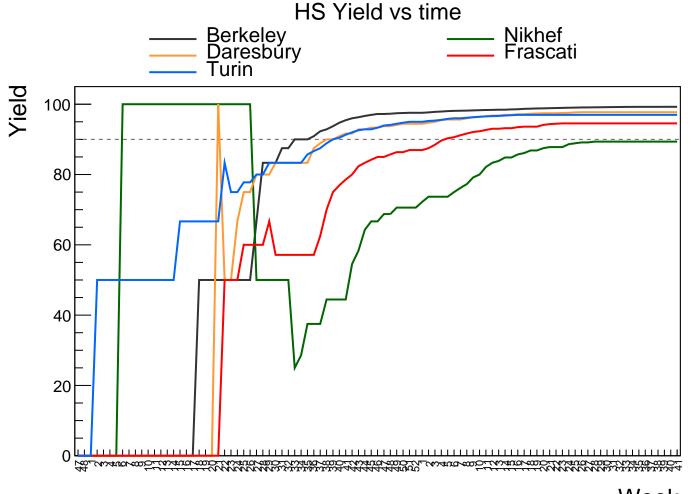
Det. Grade HS



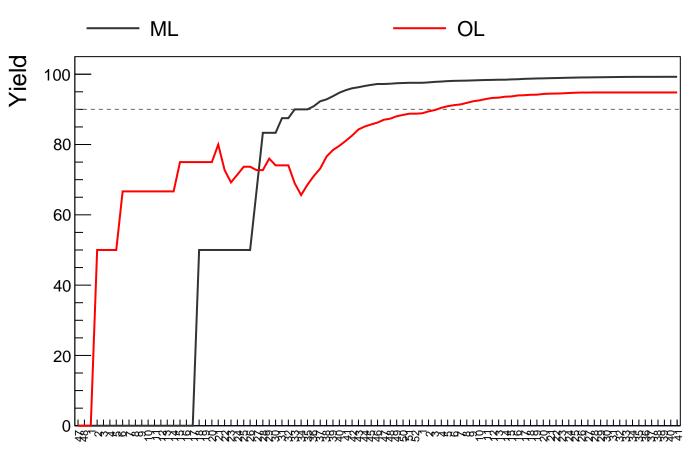








HS Yield vs time



Stave monitoring

Staves of previous week

T-OL-Stave-023: (U,L)=(0, 2) bad chips F-OL-Stave-025: (U,L)=(0, 0) bad chips A-OL-Stave-021: (U,L)=(0, 0) bad chips B-ML-Stave-068: (U,L)=(1, 0) bad chips B-ML-Stave-064: (U,L)=(0, 0) bad chips

B-ML-Stave-062: (U,L)=(0, 0) bad chips B-ML-Stave-061: (U,L)=(0, 0) bad chips B-ML-Stave-058: (U,L)=(0, 0) bad chips

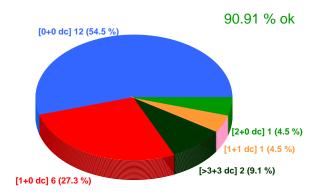
Staves of this week

[2+0 dc] 4 (19.0 %) [>3+3 dc] 3 (14.3 %)

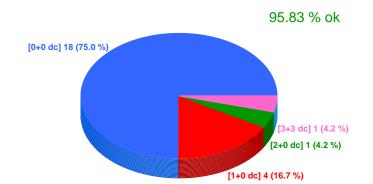
[1+0 dc] 3 (14.3 %)

Stave - Nikhef

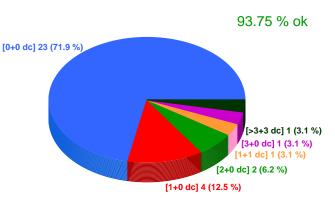
Stave - Daresbury

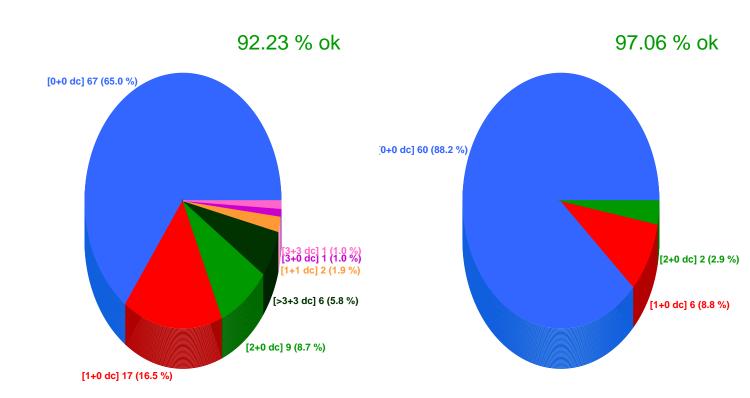


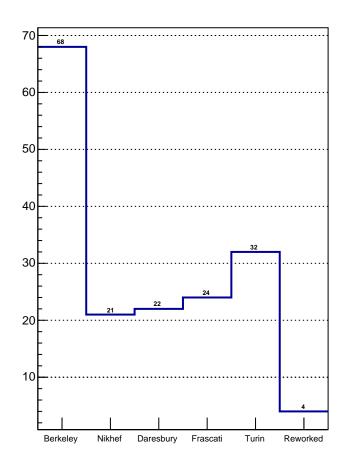
Stave - Frascati

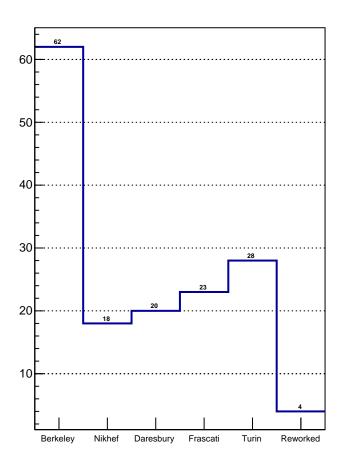


Stave - Turin



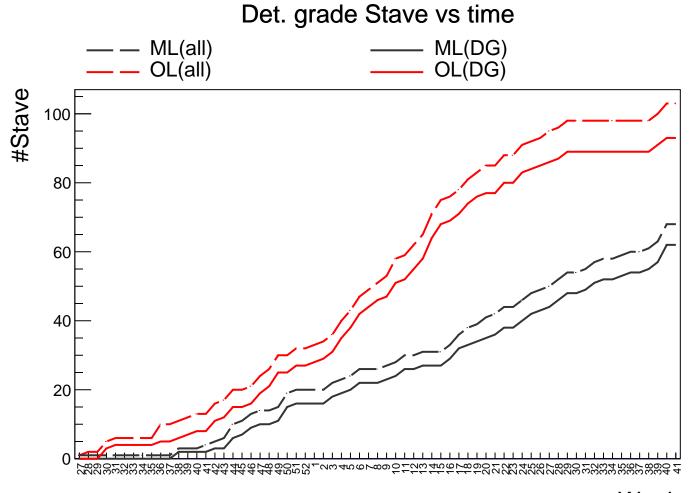


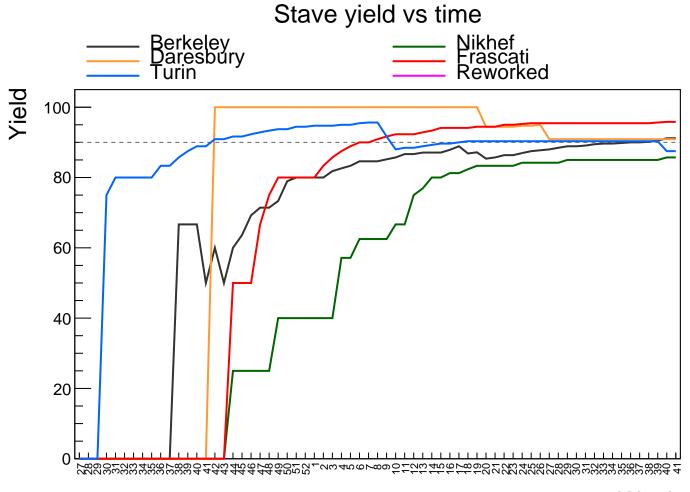




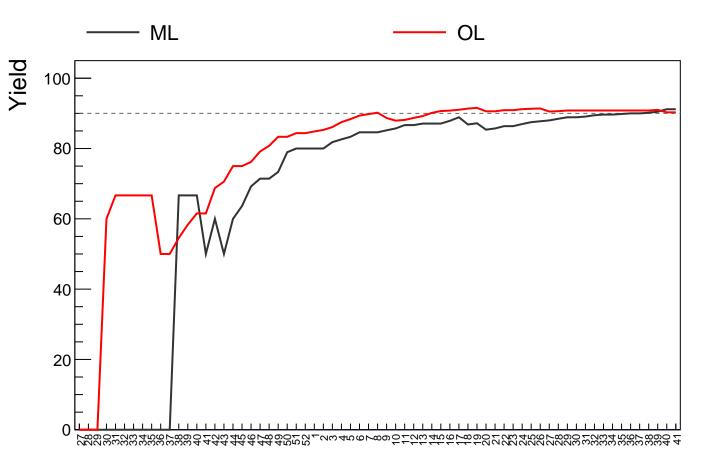
Det. grade Stave vs time Berkeley Daresbury Turin Nikhef Frascati Reworked #Stave 70 60 50 40 30 20 10 Week Comparison to prev. weel Berkeley: +0 Nikhef: +0 Daresbury: +0 Frascati: +0 Turin: +0

Reworked: +0





Stave yield vs time



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Production rate (October 2018 - prev. week)**
            \rightarrow Berkeley: 1.27(all) -- 1.18(DG)
              → Nikhef: 0.35(all) -- 0.35(DG)
           \rightarrow Daresbury: 0.43(all) -- 0.39(DG)
            \rightarrow Frascati: 0.45(all) -- 0.45(DG)
     \rightarrow Turin: 0.76(all) -- 0.69(DG) \rightarrow Prod. ended
                  OL: 1.99(all) -- 1.89(DG)
                  ML: 1.27(all) -- 1.18(DG)
Rework rate (from June 1st, 2019): 0.21(all) -- 0.21(DG)
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**Christmas holiday excluded (2 weeks)

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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)
    → 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)
```

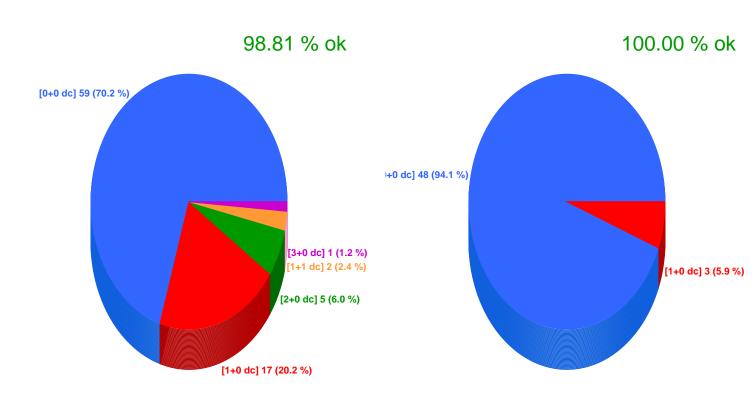
Stave reception @CERN

Staves qualified in the previous week

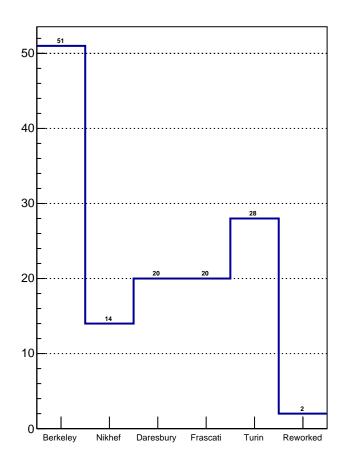
A-OL-Stave-021: (U,L)=(0, 0) bad chips A-OL-Stave-019: (U,L)=(0, 0) bad chips

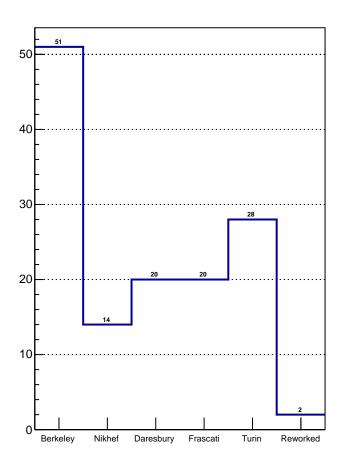
Staves qualified this week

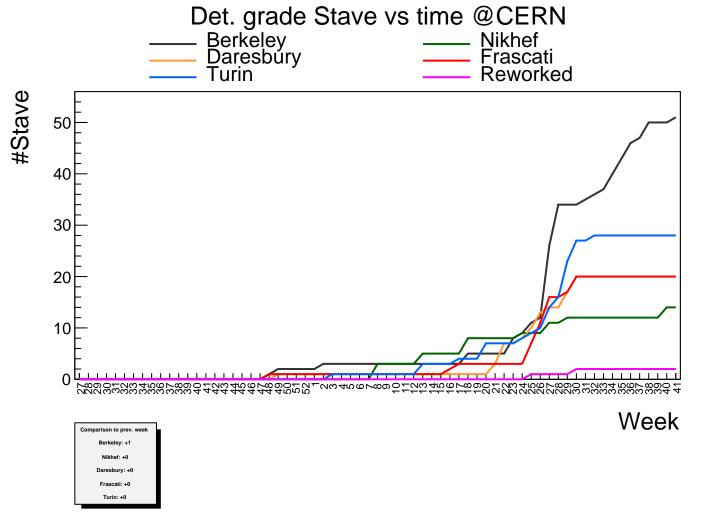
B-ML-Stave-014: (U,L)=(0, 0)



Det. Grade Stave @CERN







Det. grade Stave vs time @CERN ML(all) ML(DG) OL(DG) OL(all) 90 #Stave 80 70 60 50 40 30 20 10

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

Berkeley: 1.17(all) -- 1.17(DG)

Nikhef: 0.33(all) -- 0.33(DG)

Daresbury: 0.48(all) -- 0.48(DG)

Frascati: 0.45(all) -- 0.45(DG)

Turin: 0.67(all) -- 0.67(DG)

OL: 1.93(all) -- 1.93(DG) ML: 1.17(all) -- 1.17(DG)

**Christmas holiday excluded (2 weeks)

HS without a Stave

HSs (DG) not yet tested as Stave HSs (non-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-L-027: 0 bad chips F-OL-HS-L-026: 0 bad chips **A-OL-HS-L-004: 14 bad chips ->** rework(?) A-OL-HS-U-022: 0 bad chips

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