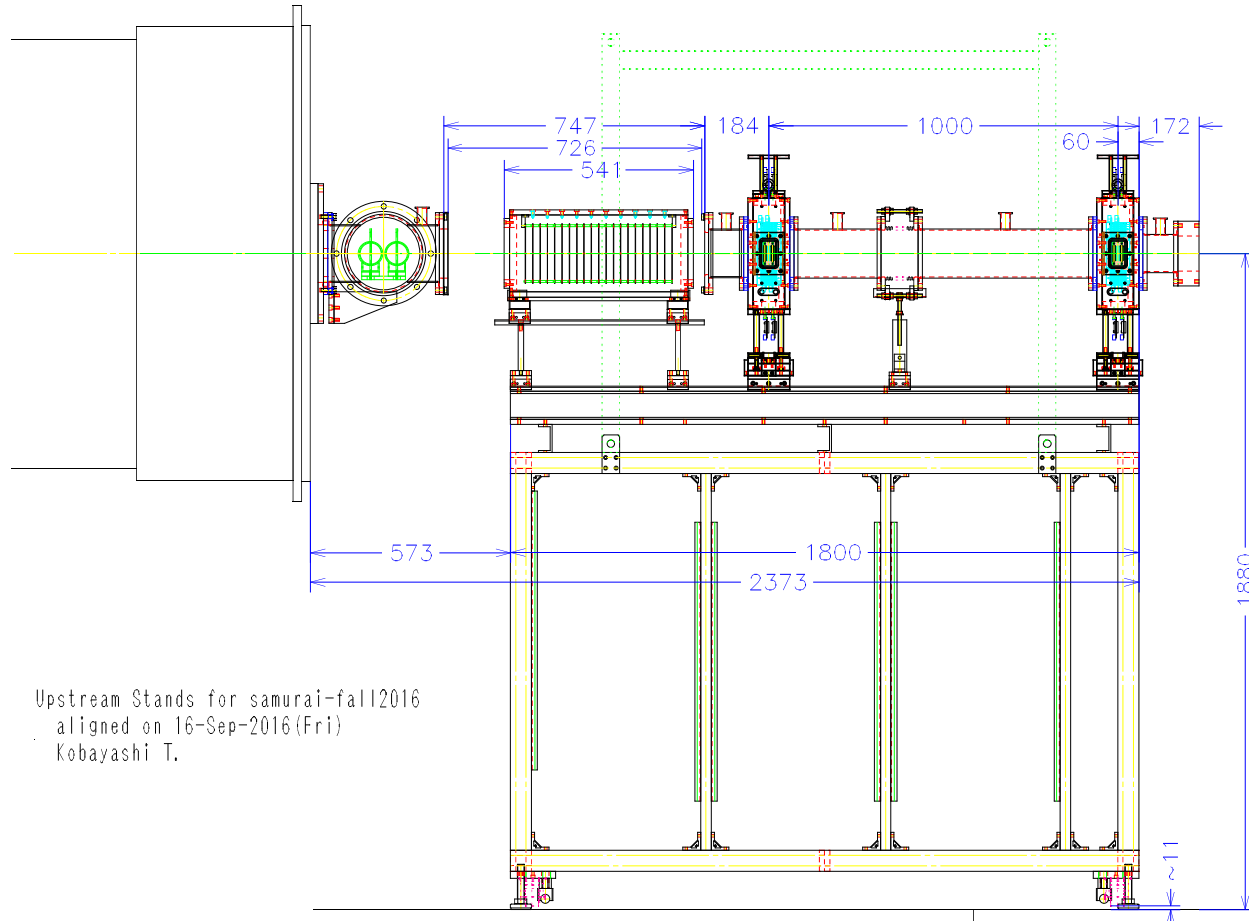


Memo on Samurai standard detectors
for
exp_samurai_2016fall

Upstream Stand (SBT, ICB, BDC1/2)

- Alignment on 16-Sep-2016



Upstream Stands for samurai-fall2016
aligned on 16-Sep-2016(Fri)
Kobayashi T.

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- SBT
 - plastic scintillator
 - 0.5mm^t with frame : to be installed after delivery
 - be careful about the reverse pressure on the exit window of SBT, during the vacuum work
 - ICB
 - P10 gas purge
 - being done
 - BDC1, 2
 - Problems in S13(Jun-2016)
 - BDC2-Y2 : w1~w6 lower efficiency
 - fixed
 - leak current (I_k+I_p) ~ 100 nA @1.1 kV without beam
 - check conditions : i-C₄H₁₀ @50 torr
 - leak current < 10 nA @1.1 kV: seems to be OK
 - spare BDC & vac. box : ready (in Tohoku)
 - FDC1
 - signal / power connection
 - modified from s13 configuration

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- FDC2
 - Position on the rail
 - 720 mm north (high momentum-side) from 60° line
 - Gas
 - He+60% CH₄ + isopropanol
 - gas purge
 - flow rate~ 250 cc/min from 0:00 7-Oct-2016(Fri)
 - ~ 7 exchange on 14-Nov-2016
 - HODF24
 - Booster connection
 - modified from s13 configuration : H5 ~ H12 → H4 ~ H11
 - connection
 - Hod: H04 H05 H06 H07 H08 H09 H10 H11
 - Booster: B4 B5 B6 B7 B8 B1 B2 B3

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- Noise最終確認に関して
 - 10月7日(金)の停電前の時点では全く問題なかった。
 - ほぼ全ての検出器が動作している状態+各DAQがreadyになった時点+真空系が動いている状態で、noise確認の為に、BDC1,2, ICB, FDC1, FDC2のpulser有／無のデータをとりたい
 - 10月の最終の週又は11月第1週頃、可能でしょうか？