

Memo for exp_samurai_2016fall

- works during 4-Nov-2016(Fri) ~ 5-Nov-2016(Sat) @RIKEN

-
- (SBT) by Chiga
 - STQ25 & SBT in vacuum
 - ICB
 - flow rate : ~10 cc/min (6-Oct~21-Oct), ~20 cc/min (21-Oct~)
 - HV conditioning
 - 0.5 kV (28-Oct~4-Nov), 0.6 kV (4-Nov~) $I < 3$ nA
 - BDC1, 2, FDC1
 - HV conditioning (for a short time)
 - $V_k = V_p = 1.0$ kV @ $P = 50$ torr, $I < 6$ nA, 4-Nov~5-Nov (~24 hours)
 - BDC spare anode planes
 - 2 planes (Y) prepared. to be assembled in "BDC3"
 - FDC2
 - initial gas purge
 - ~ 6 times exchange ($V \sim 10000$ L ~ 2 bottles, 99.75% replaced) on 5-Nov
 - flow rate changed
 - $Q \sim 120$ cc/min (4-Nov~) ← ~250 cc/min (7-Oct ~4-Nov)
 - ~1 exchange in ~10 days
 - ~7 times exchange (99.9%) on 14-Nov (start time of exp in the original schedule)
 - ~1.1 bottles necessary till the end of exp. (7-Dec): ~33 days left
 - HV conditioning
 - 0.4 kV (21-Oct~28-Oct), 1.0 kV (28-Oct~4-Nov), 2.0 kV (4-Nov~)