

Memo for exp_samurai_2016fall

- works done on 20-Oct (Thur) ~ 22-Oct (Sat) @RIKEN
 - SBT
 - ICB
 - BDC1, BDC2
 - FDC1
 - FDC2

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- SBT
 - scintillators (0.5mm^t with frame) set
 - analog & logic signals checked using ¹³⁷Cs source
 - light shield OK
 - STQ25 duct : atmospheric pressure
 - ICB
 - P10 gas
 - ~ 10 cc/min since 8-Oct
 - ~ 8 exchange in ~15 days
 - preamp & shaper : checked using pulser
 - USB remote control checked
 - HV applied up to 0.8 kV
 - $I < 4 \text{ nA @ } 0.8 \text{ kV} : \text{OK}$
 - BDC1, BDC2
 - i-C₄H₁₀ @50 torr tested
 - HV applied up to 1.0 kV ($V_k=V_p$)
 - $I_k+I_p < 4 \text{ nA @ } 1.0 \text{ kV} : \text{OK}$
 - HV conditioning : ~ 1.5 days
 - FO module for test pulse distribution broken
 - between 8-Oct & 20-Oct ?
 - moved to other channel
 - noise
 - checked using 32ch scalers
 - OK @ $V_{th} = 0.4V$
 - current status : vacuum, GV closed

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- FDC1
 - vacuum leak found : between large GV & FDC2 entrance window
 - pumped down only to 1.5(!) torr
 - 2 O rings changed : with Togano, Chiga
 - vacuum is roughly the same as before
 - i-C₄H₁₀ @50 torr tested
 - HV ($V_k=V_p$) applied up to 1.0 kV
 - $I_k+I_p < 5$ nA @1.0 kV : OK
 - HV conditioning : ~ 6 hours on 22-Oct
 - noise
 - checked using 32ch visual scaler (sampled)
 - OK @ $V_{th}= 0.4V$
 - current status
 - both GV closed
 - vacuum
 - FDC2
 - gas (He/CH₄)
 - purge
 - ~ 250 cc/min
 - ~3 exchange (~95%) in ~ 15 days @21-Oct. ~ 24 days left
 - HV conditioning @0.4~0.5 kV
 - since 20-Oct
 - noise
 - checked using 32ch visual scaler
 - OK @ $V= 0.8V$

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- DAQの同期がとれた段階で以下のデータ確認をしておきたい。
 - 時期?: 10月最終週 又は 11月第1週
 - 磯部、梅野さん: よろしくお願ひします。
 - SBT
 - pedestal
 - BDC1, BDC2, FDC1, FDC2
 - hit pattern / efficiency with & without test pulse into ASD
 - ICB
 - pedestal & test pulse