

# Memo for 2017spring(S09)

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- Samurai standard detectors
  - SBT1,2
  - ICB
  - BDC1,2
  - FDC1
  - FDC2
  - ICF
- plan/schedule

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- SBT1,2
    - scintillators : 0.2mm<sup>t</sup> x2 (9-Mar-2017)
    - (多分)まだ真空には引いてない: 遮光AL膜のガス抜きが東側にあるので、テープをはがしてから引いて下さい。
  - ICB
    - P10 gas : Q= (10~)20 cc/min since 16-Feb-2017
    - HV : conditioning @600V since 23-Mar-2017
    - ADC pedestal : checked by DAQ (23-Mar-2017)
    - Protection covers : off
    - monitors : gate & (remote-selectable) output connected
  - BDC1,2
    - BDC stand : aligned (15-Feb-2017)
    - pressure : vacuum / low pressure since 23-Mar-2017
    - hit pattern & TDC using test input of ASD's : checked by DAQ & all OK (23-Mar-2017)
    - i-C<sub>4</sub>H<sub>10</sub> : ~10 kg left (~full)
  - FDC1
    - ASD : changed to  $\tau=16$  nsec (16-Feb-2017)
    - Test pulse input connection : modified for shorter time constant
    - Hit pattern check
      - oscillation by visual scalers (23-Feb-2017, 9-Mar-2017)
        - replacing ASD's, modifying ground connection etc...
      - hit pattern using test input of ASD's & DAQ
        - looks OK, except f1-u2'-2(16ch). Otherwise all channels oscillate. (23-Mar-2017)
    - pressure : vacuum/low pressure since 23-Mar-2017
    - i-C<sub>4</sub>H<sub>10</sub> : ~ 6 kg left

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- FDC2
    - aligned (15-Feb-2017)
      - +200 mm high-rigidity side from 60° line
    - gas : He + 60% CH<sub>4</sub> + 2-propanol
      - gas purge since 16-Feb-2017. ~6-times exchanged
    - hit pattern : checked by DAQ & all OK (23-Mar-2017)
    - HV : conditioning at 2.0 kV since 23-Mar-2017
  - ICF
    - placed roughly (30-Jan-2017)
    - guide rail: fixed on the (iron) floor (16-Feb-2017)
    - P10 gas
      - Q= 120~180 cc/min since 16-Feb-2017
      - > 20-times exchanged
    - signal/control (8) & HV (2) cables : connected to B3F (9-Mar-2017)
    - DAQ : prepared by Isobe-san
      - pedestal : checked by DAQ & OK (23-Mar-2017)
    - monitors : gate & (remote selectable) output from 1st MSCF16 module
    - HV : conditioning at 650 V since 23-Mar-2017
  - Raspberry pi
    - (ICB, HV\_SBT) & (ICF) : both OK

- before S09
  - BDC1,2, FDC1
    - i-C<sub>4</sub>H<sub>10</sub> gas flow @50 torr & HV conditioning : 7-Apr-2017(Fri) ~
- after S09
  - change the configuration of BDC stand & alignment for May~July runs (S38/39, 19, 37, 34)
    - 14-Apr-2017(Fri) afternoon with Chiga-san
    - upstream setup is common to all 6 experiments
  - change FDC2 position
    - to 100 mm toward low rigidity side from 200 mm toward high rigidity side (S09)