

Status 2025/03/25

- Gas Study with Test Chamber (why Gain \neq ToT?)
- To Do for E80-CDC
- Others

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Gas study for CDC (using test chamber and E15-CDC)

- Status

- Ar-C₂H₆ closed (test chamber)
- took pictures of raw signal and analog signal after ASD
using Ar-CO₂ and Ar-C₂H₆ with ⁹⁰Sr and ⁵⁵Fe: **not summarized yet**
- difference of signal charge between Ar-CO₂ and Ar-C₂H₆:
⁵⁵Fe(X-ray) < ⁹⁰Sr(beta-ray) < cosmic-ray(MIP) ? (roughly saying)

- To do

- take the TDC data with ⁹⁰Sr and cosmic again: 再現性をまずは確認したい (本当は修論の時点で...)
 - 2025/04/07~2週間ほど
 - それまでにまとめ作っとく

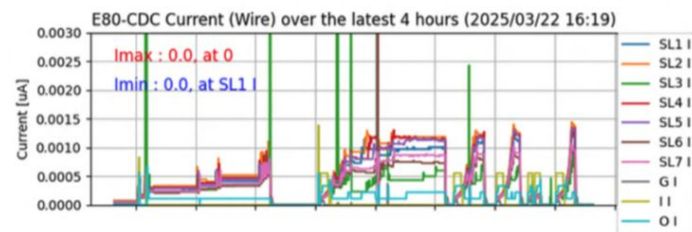
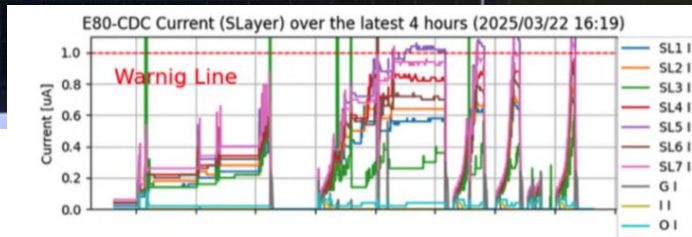
E80-CDC

- Status

- attached mass flow meter
 - not yet unit conversion
- able to check the condition of gas flow on 192.168.1.107
- about HV problem:
 - slayer#1 is ok by -2400V
 - but, occurred Itrip from ~2000V in slayer#3.

- To do

- tackle HV problem @slayer#3
- assemble all ASD (after solving HV problem)
- long test chamber?



Others

- J-PARC Symposium proceedings :
 - minor change → local → e80_ml
 - deadline 2025/3/31
- RARiS annual report (CNC):
 - 素材集め&貼り付け (today)
 - deadline ~ ...