What if the dump does not work ?

- Aim to define a procedure in case a programmed or manual (OP switch) dump does not work.

- Define a sequence of actions to be executed one after the other until we reach the last resort of scraping the beam.

  - **Step1**: in case of programmed dump, use the switch and vice-versa. Note that both programmed dump & switch enter the CCC BIC

  - **Step2**: Try to trigger the BIS without doing harm to the beam.

    - Activate the AC dipole.

    - If in STABLE BEAMS, go to ADJUST without handshake.

    - Trigger a SIS interlock.

  - **Step3**: Try to trigger the LBDS 'internally'.

  - **Step4**: Move the beam to 1/3 resonance to lower the lifetime and scrape the beam out slowly.

LBDS triggering without BIS

- If for some reason the problem is 'between BIS and LBDS', we could try to provoke an internal trigger of the LBDS.

- Question: how?
  - Can we re-use the inject-dump trigger mechanism via external timing event (not with the injection events as they difficult to generate)?
    Define a trigger on another reserved event?
  - Can we trigger a internal failure through some of the internal monitoring?
  - ?