



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?
 - ?