# Cryomodule Standby operation

1. Close FV501
2. Close CV01, open CV02, CV03, CV550
3. If TT214 > 59 K close CV550 and open FV501
4. Wait until TT214 < 35 K then close FV501 and open CV550
5. Goto 3 or Warm-up (Grafcet step S5) or LHe cooling (Grafcet step S10)

Sequence parameters:

* Switching temperatures (low and high)
* Maximum pressure (what to do when it becomes too high?)
* Maximum flow (what to do when it becomes too high?)
* Opening of CV04 – does it need to be controlled?
* Opening of CV550
* Opening of CV551/CV552

Data exchange needed between different systems:

The MKS2 regulation on/off is controlled by the bit m141.0 from the CM PLC.

The MKS2 PID SP is defined by the sequence parameter on HNOSS PLC (pv: CstatH-Ctrl:SQ9:cP\_CM\_SP\_MKS2) (alias CM-Ctrl:S8:cP\_SP\_PT01)