# From Hiro Nakayama-san

Wild injection

| HV state | Normal injection | Continuous injection | Expected BG level |
|---|---|---|---|
| "STANDBY" or "OFF" | Allow | Allow | Higher (w/ wild injection BG) |
| "PEAK" | Inhibit | Allow | Nominal (w/ injection BG) |
| Other transient states "PREPARING", "TURNINGOFF", "RAMPINGUP", "RAMPINGDOWN", "TRIP", "ERROR", "UNKNOWN" | Inhibit | Inhibit | Lower (no injection BG) |



Continuous injections

Normal injections

Beam current

HV standby    HV trans.    HV PEAK
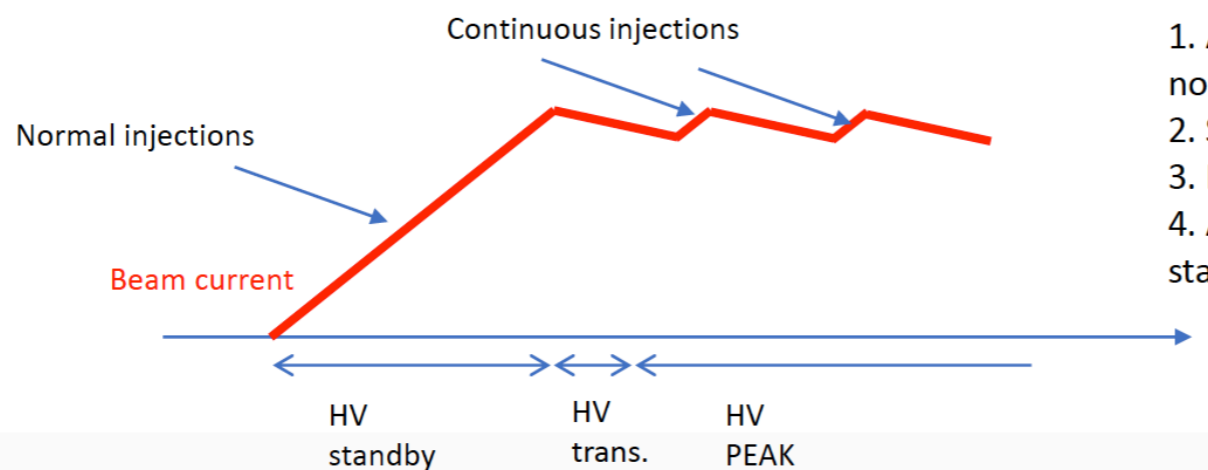
1. Accumulate beam current with normal (wild) injections
2. SKB announces PHYSICS_READY
3. Belle shift starts HV ramp-up
4. After HV becomes PEAK, SKB can start continuous injections

Question: What HV value will be appropriate for RPC as "standby"? What was the value at Belle?
The standby values for RPC might be needed to adjust according to reality. For instance, if the HV trips happen seriously during beam injections.
For MPPC, it is more simple, we can apply zero or PEAK values for standby. Should be fine.