

EventT0 after LS1

2022/9/21

T.Koga

EventT0

-As a possible development during LS1, CDCTRG is discussing to degrading eventT0 resolution, to use ADC information instead

- fastest timing bit from CDCFE will be replaced with ADC
- will be recovered with new CDCFE after LS2

-Requirement of eventT0 is $\sim 10\text{ns}$ for SVD 3-sampling

-In this case, TOPTRG must be ready for operation after LS1

- Is this acceptable for TOPTRG?
- Could you make a schedule during LS1 at B2GM?

EventT0 resolution (σ)

	ECLTRG	CDCTRG	TOPTRG
before LS1	5~15ns	5~10ns	--
after LS1	5~15ns	$\sim 25\text{ns}$	$\sim 10\text{ns}$
after LS2	5~15ns	5~10ns	$\sim 10\text{ns}$