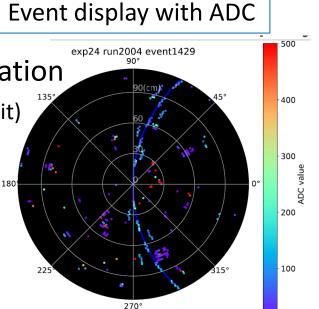
## CDCTRG with ADC

- -R&D is on-going to use ADC information for CDCTRG for BG rejection and possible counter measure of gain degradation
- -Modification of 2D track requirement
- so far: 20 of 25 stereo layer hits without ADC
  new: 10-15(X) of 25 stereo layer hits with ADC [10,400](X)
- -Advantage:
- lower TDC threshold
- possiblely improve eff. and BG rejection -Disadvantage:
- Iatency increase CDCFE/CDCTRG FW modification
- degradate eventT0 resolution (CDCFE bandwidth limit)

## Simulated rate and efficiency with 2022b

	hit threshold	event rate of #2D track>0	dimuon efficiency	
original 2D	20	3.4kHz	0.946	
new 2D	15	2.4kHz	0.937	



Xadjustable with gain condition