

Pager Report

Taichi Kubo

Wed Feb 21

I was paged because 'Table Beam' was red

TrigMon #21 SVTDMonitor 2.3.4: L2_Table_Beam
Run:234754 Event: 17574080 # of Events:18300 Time: Wed Feb 21 07:40:28 2007

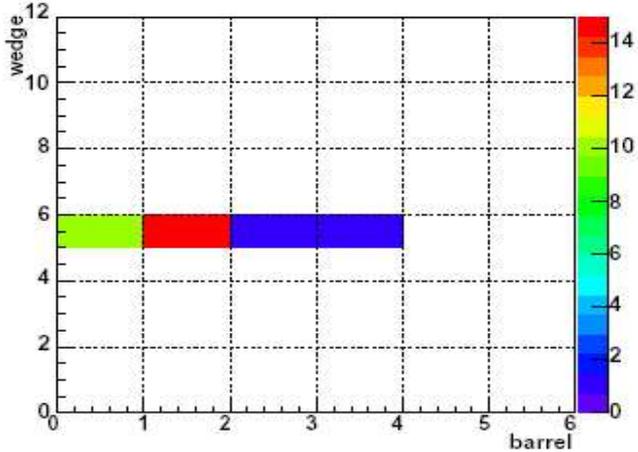
Beam Positions				Status = OKAY
Barrel	X (cm)	Y (cm)	Fit	FitERR
0	-0.148	0.034	YES	OK
1	-0.142	0.035	YES	OK
2	-0.138	0.038	YES	OK
3	-0.131	0.038	YES	OK
4	-0.125	0.039	YES	OK
5	-0.121	0.039	YES	OK
3D BEAM	X (cm)	Y (cm)	Slope X (r/rad)	Slope Y (r/rad)
Global Fit OK:	-0.1334	0.0385	0.320	0.078
Fit WRTS VIT	-0.0174	-0.1071	-0.088	0.288
R and slope	0.108304		0.283078	

SVT Failures			
Failure	Number	Fraction	
DT1 tracks	57	0.00532087	
DT1 parameters	28	0.000600277	
DT1 par; same hits (misfit)	1	3.4828e-05	

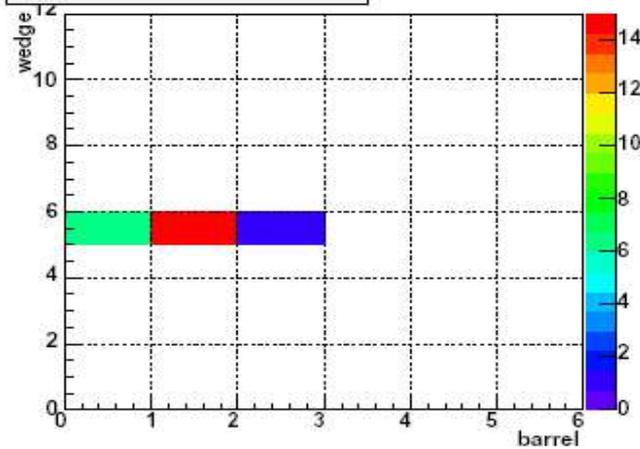
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We investigated with these data on offline and found that there might be something wrong with memory on b0svt02 (wedge 5)

Fraction of mismatch of χ^2

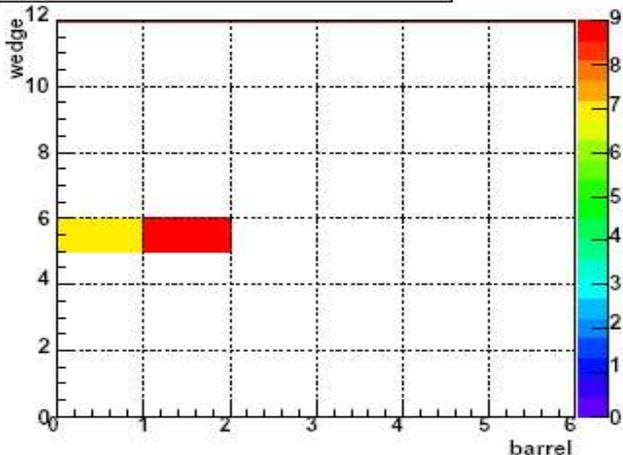


Fraction of mismatch of d_0

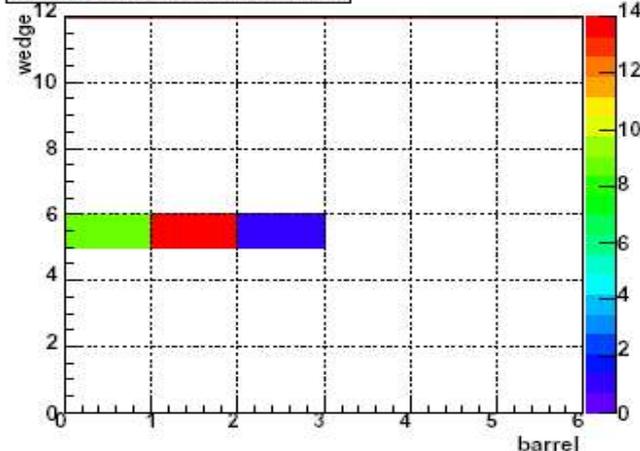


We powercycled the crate and fixed it.

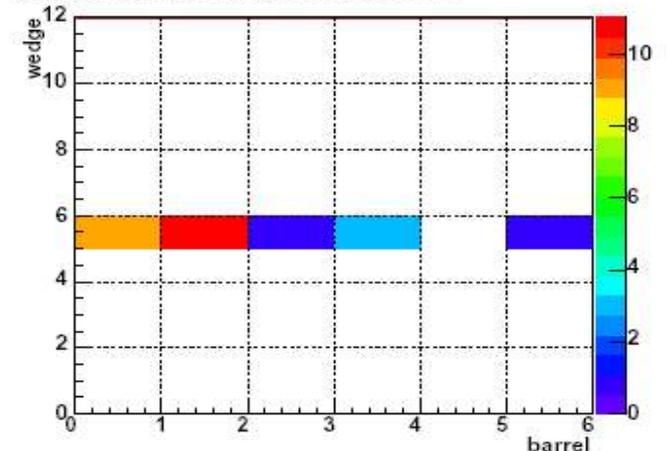
Fraction of mismatch of curvature



Fraction of mismatch of ϕ



Fraction of mismatch of Road ID



Mon Feb 26

- b0svt07 got stuck on config
 - Jahred and Stefano took care of this (Thank you very much!).
 - × I didn't notice that I was paged because the alarm was too low to hear.
 - Crate went through config state after power cycle
 - If it happens again, we will investigate what was wrong and may swap the board according to circumstances.

GB firmware

- Changing firmware has been done
- It works as I expected in simulation.
- All I have to do is that I need to modify svtvme to add new hwset parameter to turn on/off the checking BC mismatch or not.