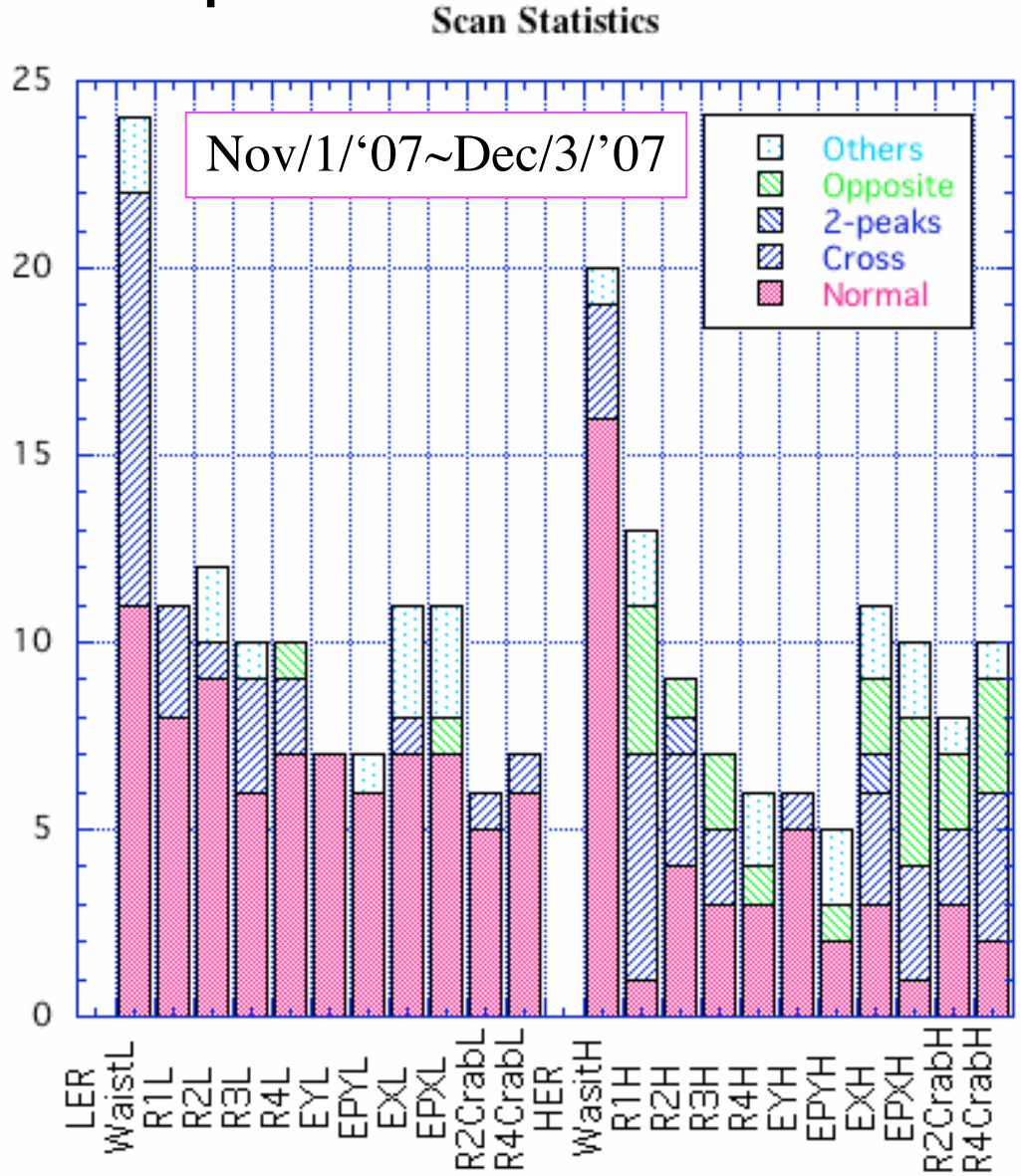
Knob Classification

‘07/Dec/4
KEKB N.Iida

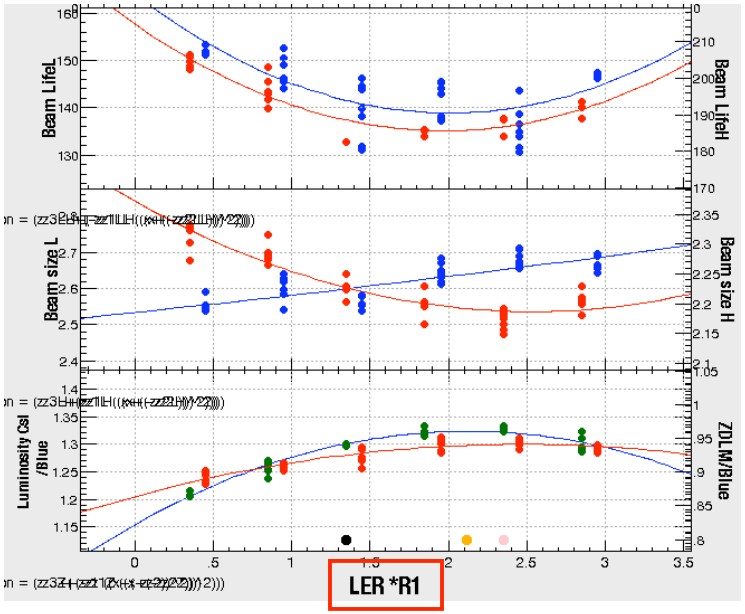
- Single knob patterns are classified.



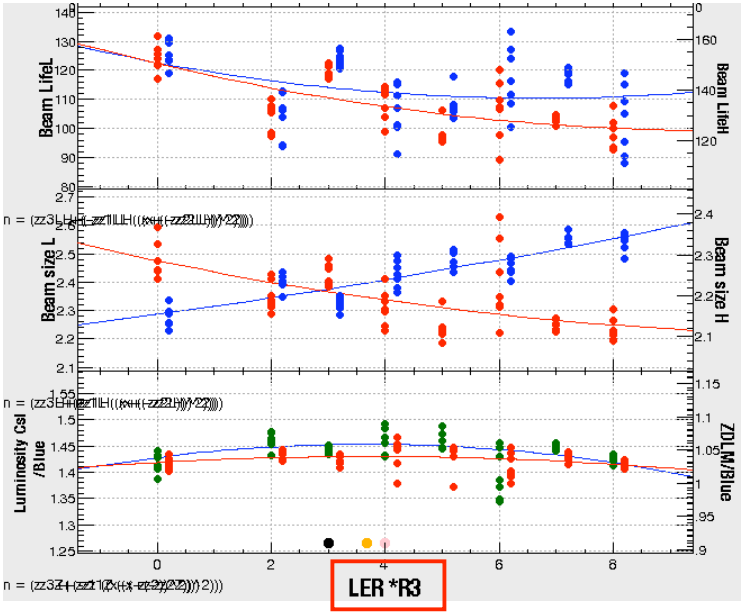
Nov/1/‘07~Dec/3/’07

	LER					HER				
	Normal	“Cross”	2-peaks	Opposite	Others	Normal	“Cross”	2-peaks	Opposite	Others
Waist	11	11			2	16	3			1
R1	8	3				1	6		4	2
R2	9	1			2	4	3	1	1	
R3	6	3			1	3	2		2	
R4	7	2		1		3			1	2
η_y	7					5	1			
η'_y	6				1	2			1	2
η_x	7	1			3	3	3	1	2	2
η'_x	7			1	3	1	3		4	2
R2 Crab	5	1				3	2		2	1
R4 Crab	6	1				2	4		3	1

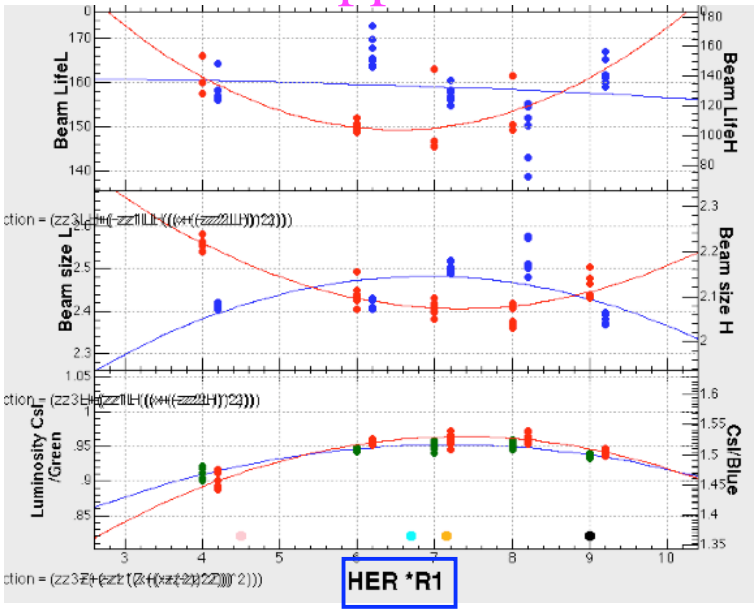
Normal



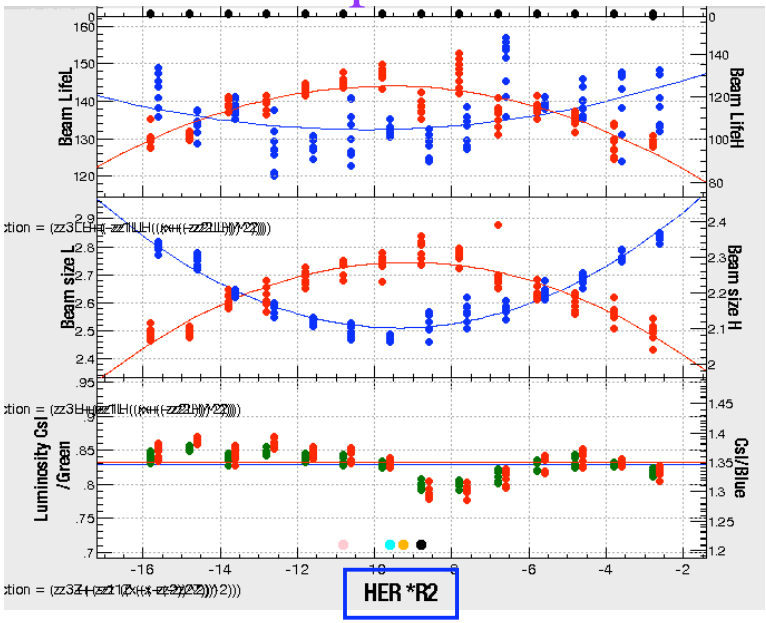
“Cross”



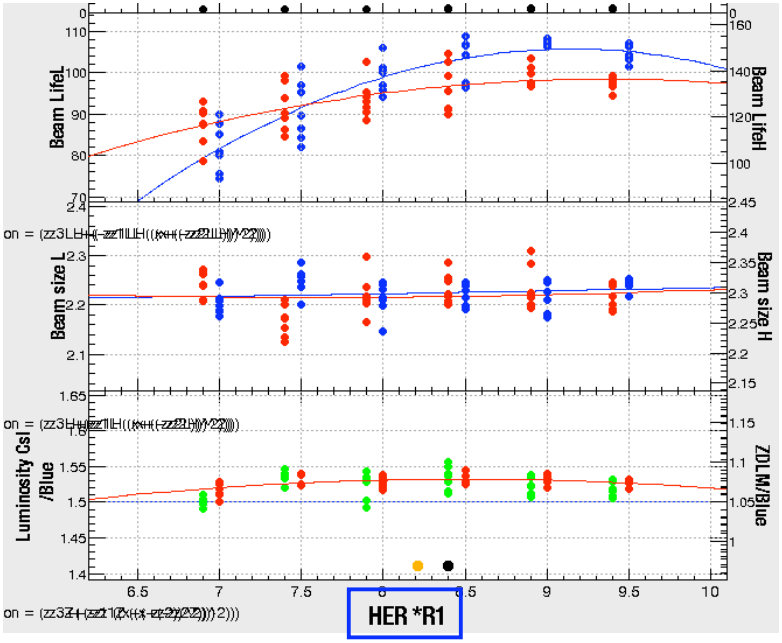
Opposite



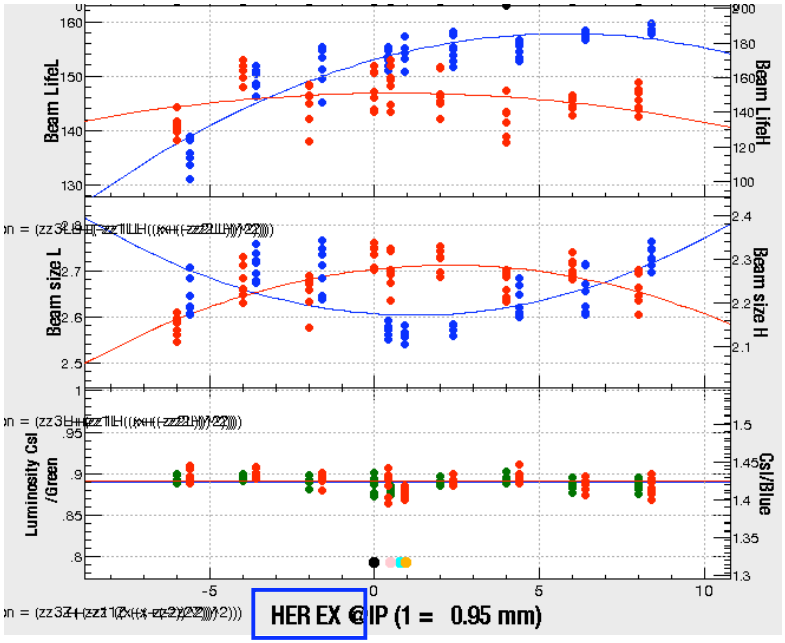
2-peaks



Others



The vertical beam size in scanning is independent on the knob.



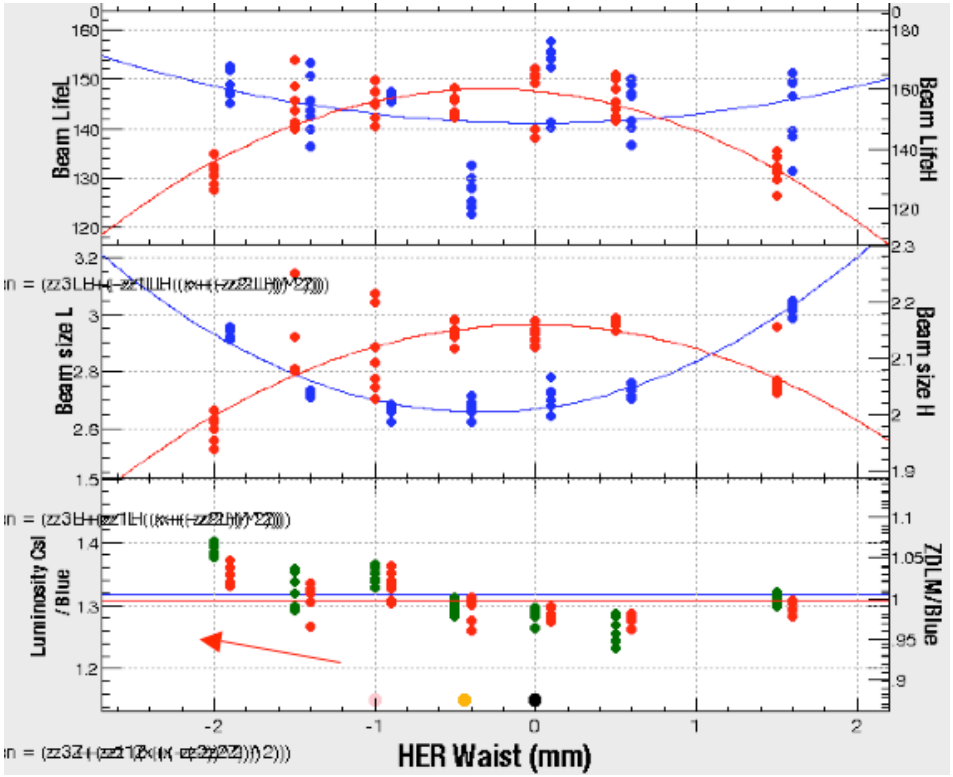
The luminosity is not dependent on the knob.

Sometimes situations are changed by tunings.

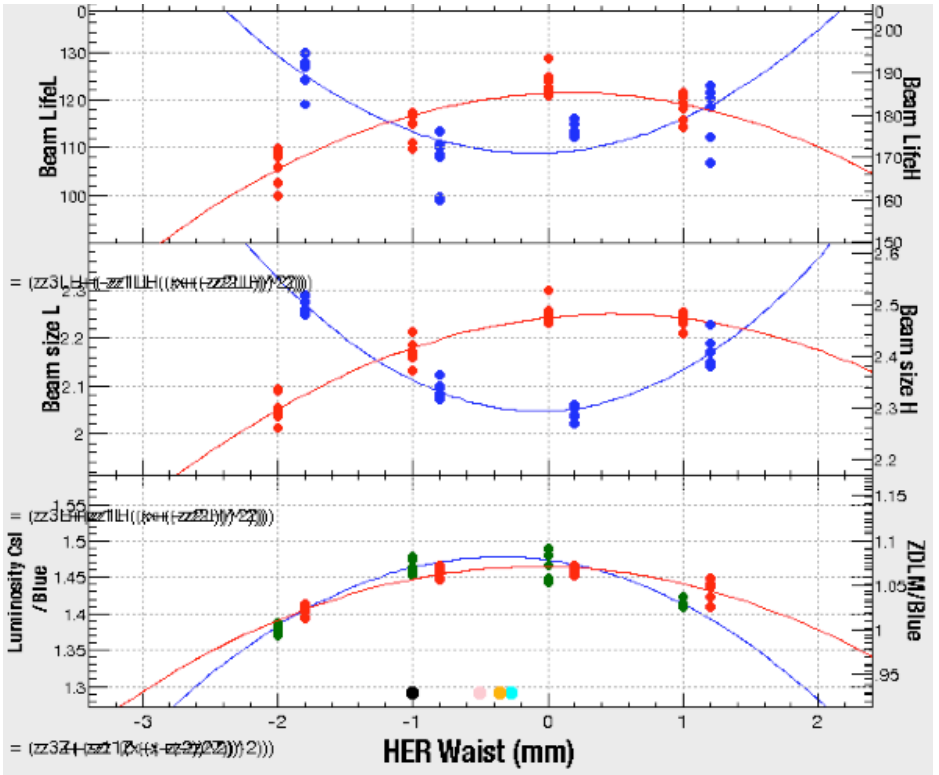
For example,

from Shift report

(Before tuning)



(After tuning)



Position of size minimum does not agree with that of lum maximum.

Position of size minimum agrees with that of lum maximum.

The situation of Luminosity to the knob changed.