

News

Zhijun Liang

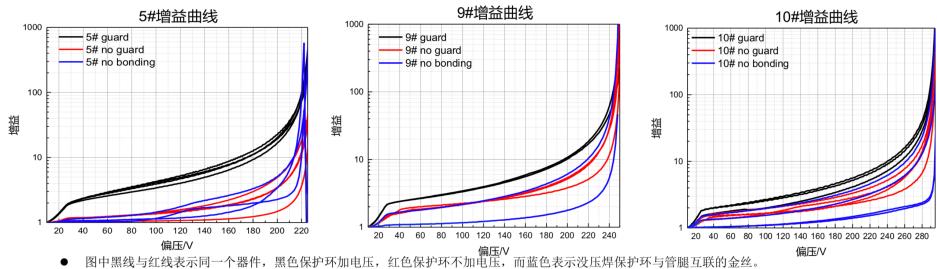
Institute of High Energy Physics,
Chinese Academy of Science

New NDL sensor with Guardring



Old NDL sensor

New NDL sensor



- 对于增益曲线,相比于不对保护环加偏压的器件,对保护环加偏压的器件具有更大的增益,以及更好的一致性。

July CYRIC irradiation

- Request 5 NDL sensor per fluence for CYRIC irradiation
 - https://docs.google.com/spreadsheets/d/192Nf07J0ZvUHA54daqEKU1NzId 4NYznsYrer3q1jN0/edit#gid=2029857545
 - 5e14, 1e15, 3e15

Fluence [neq/cm2]	Thickness/die [mm]	5.00E+14				1.00E+15				3.00E+15			
		Number	Width/die [mm]	Length/die [mr	m Total Area [mm	Number	Width/die [mm]	Length/die [mm	Total area [mm	Number	Width/die [mm]	Length/die [mm	Total area [mm2]
FBK													
W4 ATLAS 2_x_2_I	0.5	2	. 4		5 40	2	4	5	40	2	2 4	5	40
HPK-3.2													
HPK-3.2 5x5	0.2					1	8	8	64	ı			
HPK-3.2 LG SE5	0.2		1.5	1.	5 4.5	2	1.5	1.5	4.5	1	2 1.5	1.5	4.5
HPK-3.2 LG SE3	0.2		1.5	1.5	5 4.5	2	1.5	1.5	4.5	. 2	2 1.5	1.5	4.5
HPK-3.2 LG SE2	0.2		1.5	1.5	5 4.5	2	1.5	1.5	4.5	1	2 1.5	1.5	4.5
HPK-3.2 PiN	0.2		1.5	1.5	5 2.25	1	1.5	1.5	2.25	1	1.5	1.5	2.25
HPK-3.2 LG2x2 SE5 IP9	0.2					1	3	3	9	1	3	3	9
HPK-3.2 LG2x2 SE5 IP3	0.2					1	3	3	9				
HPK-3.2 LG2x2 SE3 IP3	0.2					1	3	3	9)			
HPK 35um													
HPK-1.1 LG SE5	0.2	2	1.5	1.5	5 4.5	2	1.5	1.5	4.5	5 2	1.5	1.5	4.5
HPK-1.2 LG SE5	0.2	2	1.5	1.5	5 4.5	2	1.5	1.5	4.5	5 2	1.5	1.5	4.5
HPK-2 LG SE5	0.2		1.5	1.5	5 4.5	2	1.5	1.5	4.5	5 2	1.5	1.5	4.5
HPK-BEST LG2x2 SE5 IP9						1	3	3	9	1	3	3	9
HPK-BEST LG2x2 SE5 IP3						1	3	3	9)			
NDL	0.3		3	;	3 45	5	3	3	45	5 5	5 3	3	45
Total area [mm2]					114.25				223.25	;			132.25