

Centre de Recherches du Cyclotron



High Penetration Heavy Ions
Available at the HIF

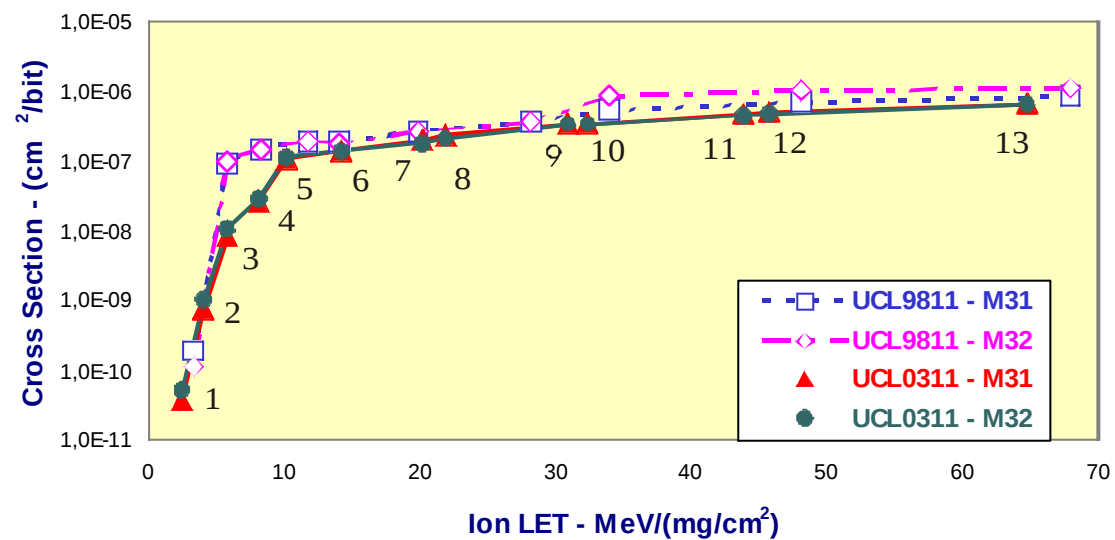


Ion	E_{cyclo}	$\text{LET}(\text{Si})_{\text{cyclo}}$	$\text{Range}_{\text{cyclo}}$	E_{DUT}	$\text{LET}(\text{Si})_{\text{DUT}}$	$\text{Range}_{\text{DUT}}$
$^{13}\text{C}^{4+}$	133	1.2	276	131	1.2	266
$^{22}\text{Ne}^{6+}$	177	4	129	170	4.1	122
$^{28}\text{Si}^{8+}$	248	6.6	115	236	6.8	106
$^{40}\text{Ar}^{12+}$	390	9.9	125	372	10.1	119
$^{58}\text{Ni}^{17+}$	538	21.2	92	500	21.9	85
$^{83}\text{Kr}^{25+}$	813	31	100	756	32.4	92

Expected additional Xe beam for higher LET



MHS CP65656EV 32K8 SRAM - Heavy Ion SEU Results (UCL9811 & UCL0311).



Point	Ion	Angle [°]
1	C 13	60
2	Ne 22	0
3	Ne 22	45
4	Ne 22	60
5	Ar 40	0
6	Ar 40	45
7	Ar 40	60
8	Ni 58	0
9	Ni 58	45
10	Ni 58	60
11	Kr 83	0
12	Kr 83	45
13	Kr 83	60



