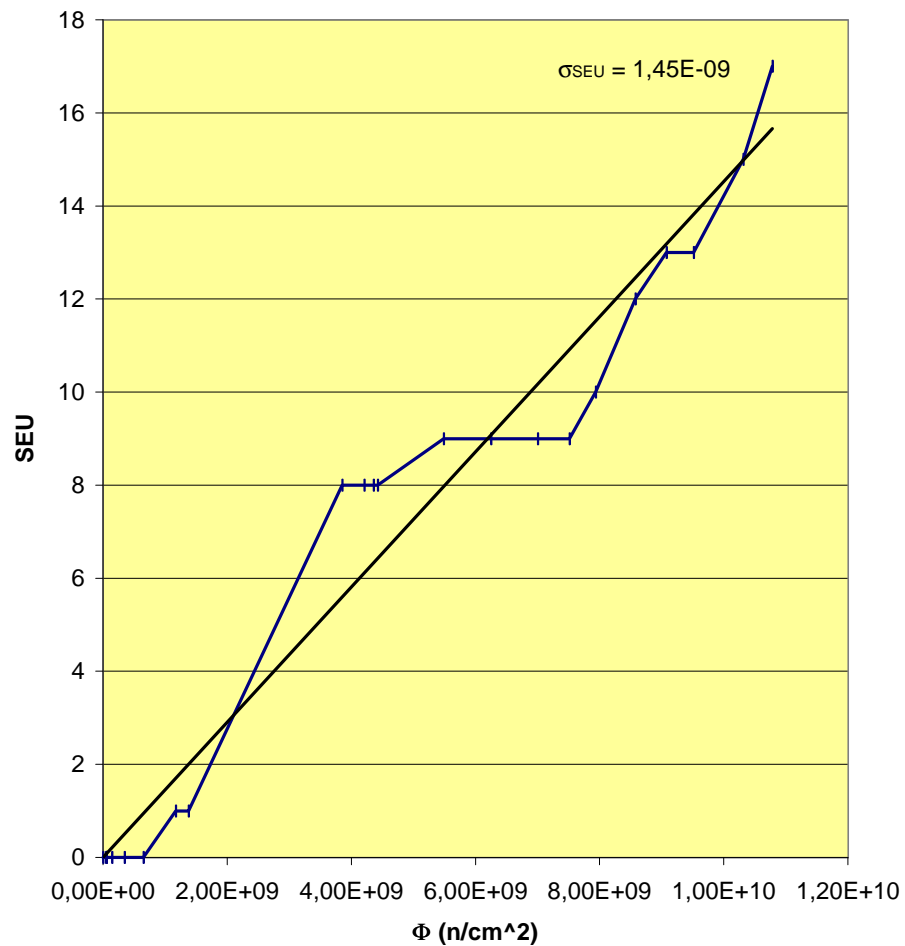
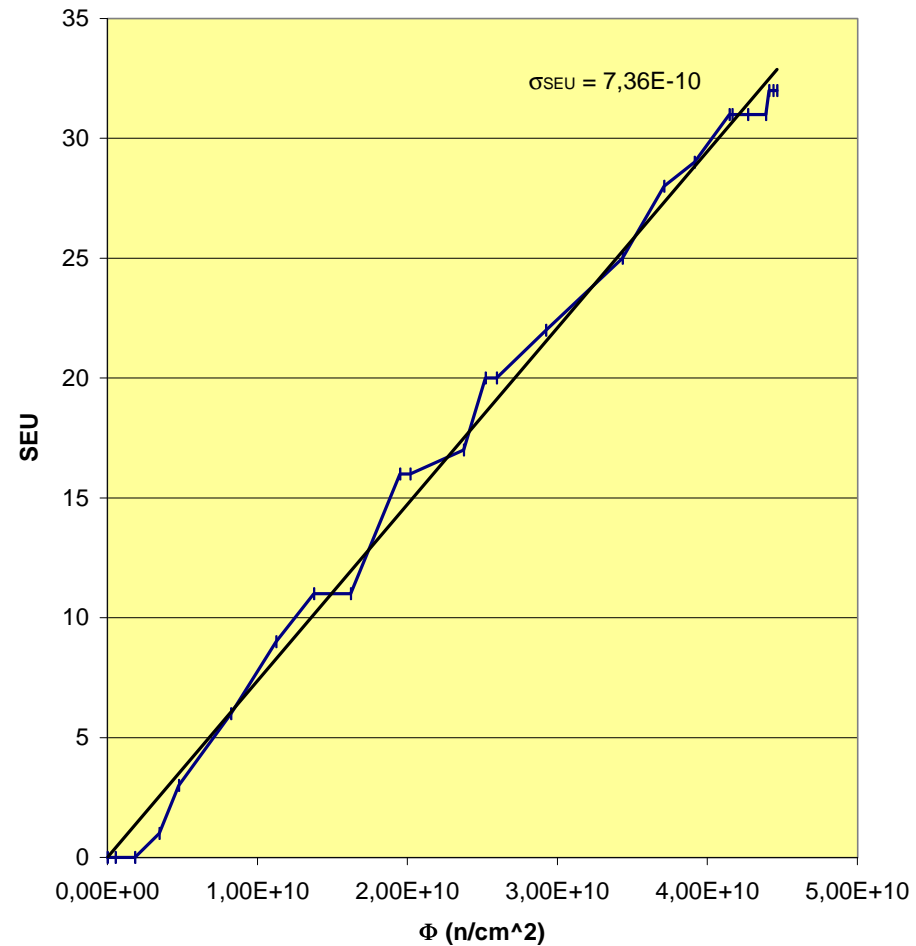




Thermal neutron induced SEU on CCB RAM 5/99



Thermal neutron induced SEU on CCB RAM 06/99



DAY	BEAM	NOTES	TIME	$\Delta t$ (hh.mm)	t (s)	CHARGE (C)	$\Phi$ (n/cm <sup>2</sup> )	MAD Ch1	MAD Ch2	CHARGE (C)	$\Phi$ (n/cm <sup>2</sup> )	MAD Ch1	MAD Ch2			
03/06/99	300nA	Illegal Instruction -> Reboot System crash	10.36	0	0	0,00E+00	0,00E+00	0	0	0,00E+00	0,00E+00	0	0			
			10.48	0.12	720	2,30E-04	5,29E+08	0	0	2,30E-04	5,29E+08	0	0			
			11.18	0.30	2520	8,00E-04	1,84E+09	0	0	8,00E-04	1,84E+09	0	0			
			11.52	0.34	4560	1,51E-03	3,46E+09	60	27	1,51E-03	3,46E+09	60	27			
			12.21	0.29	6300	2,07E-03	4,76E+09	92	36	2,07E-03	4,76E+09	92	36			
			13.33	1.12	10620	3,59E-03	8,25E+09	155	54	3,59E-03	8,25E+09	155	54			
			14.31	0.58	14100	4,89E-03	1,13E+10	223	70	4,89E-03	1,13E+10	223	70			
			15.26	0.55	17400	5,99E-03	1,38E+10	265	80	5,99E-03	1,38E+10	265	80			
			16.18	0.52	20520	7,05E-03	1,62E+10	303	101	7,05E-03	1,62E+10	303	101			
			17.15	0.57	23940	8,48E-03	1,95E+10	365	120	8,48E-03	1,95E+10	365	120			
			17.28	0.13	24720	8,78E-03	2,02E+10	378	126	8,78E-03	2,02E+10	378	126			
			04/06/99	300nA	Execution Error -> Reboot	9.18	0.00	0	0,00E+00	0,00E+00	0	0	1,03E-02	2,37E+10	443	146
						10.29	1.11	4260	1,54E-03	3,55E+09	65	20	1,10E-02	2,52E+10	443	146
						10.54	0.25	5760	2,17E-03	5,00E+09	65	20	1,13E-02	2,60E+10	480	157
11.08	0.14	6600				2,51E-03	5,76E+09	102	31	1,27E-02	2,92E+10	562	178			
12.07	0.59	10140				3,93E-03	9,05E+09	184	52	1,49E-02	3,43E+10	664	199			
13.38	1.31	15600				6,15E-03	1,41E+10	286	73	1,61E-02	3,71E+10	713	214			
14.32	0.54	18840				7,36E-03	1,69E+10	335	88	1,70E-02	3,91E+10	750	225			
15.15	0.43	21420				8,24E-03	1,89E+10	372	99	1,80E-02	4,15E+10	750	225			
16.06	0.51	24480				9,24E-03	2,13E+10	372	99	1,81E-02	4,16E+10	811	236			
16.12	0.06	24840				9,33E-03	2,15E+10	433	110	1,86E-02	4,27E+10	836	243			
16.37	0.25	26340				9,79E-03	2,25E+10	458	117	1,91E-02	4,39E+10	855	248			
17.00	0.23	27720				1,03E-02	2,37E+10	477	122	1,92E-02	4,41E+10	860	249			
17.05	0.05	28020				1,04E-02	2,39E+10	482	123	1,93E-02	4,44E+10	869	250			
17.10	0.05	28320				1,05E-02	2,42E+10	491	124	1,94E-02	4,47E+10	872	251			
17.15	0.05	28620	1,06E-02	2,45E+10	494	125										

### Thermal neutron induced SEU on MAD

