

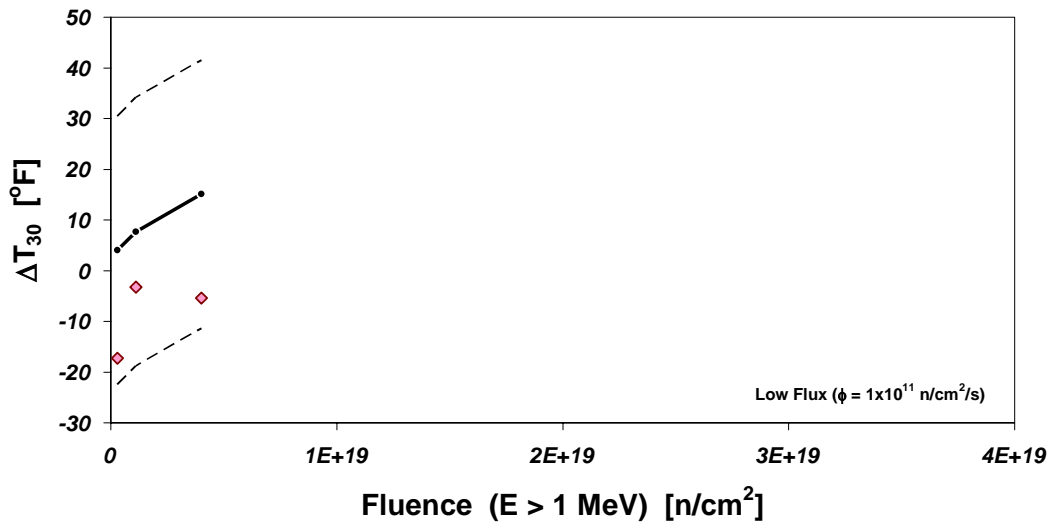
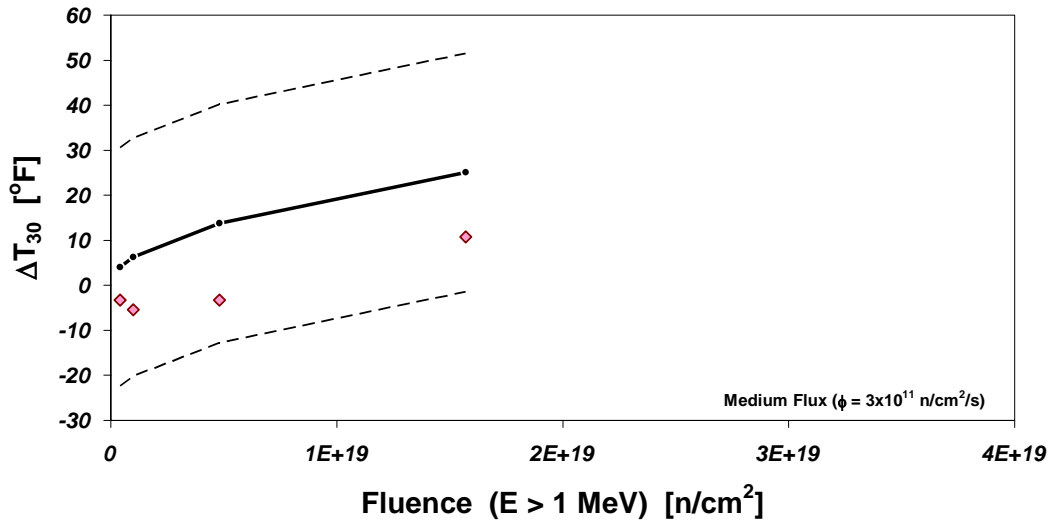
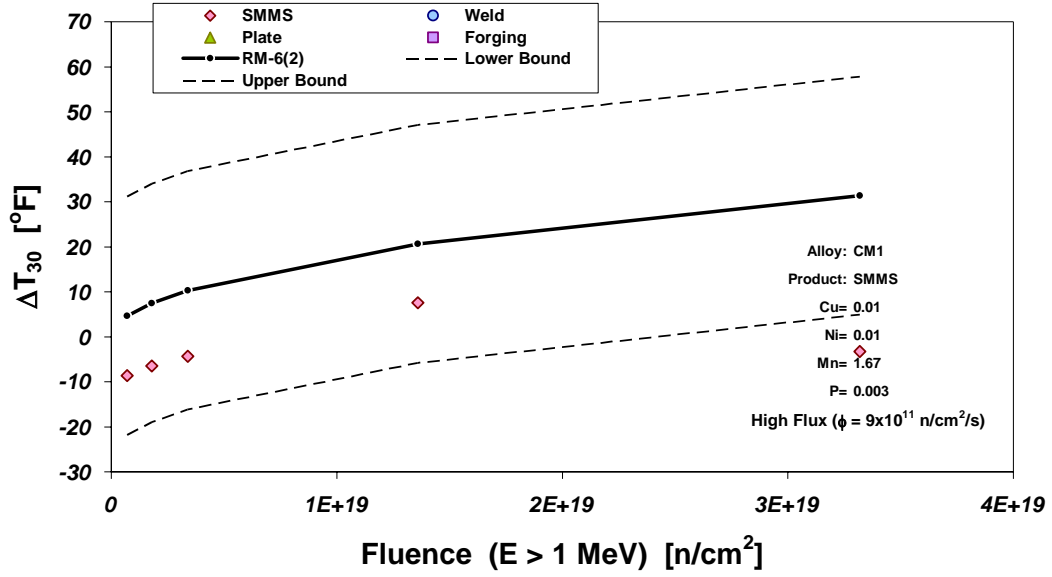
Appendix X

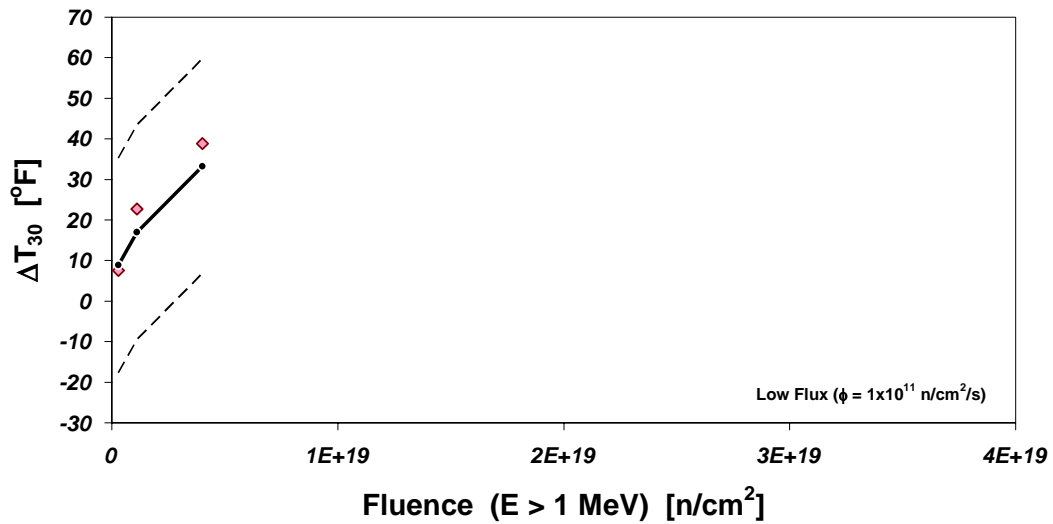
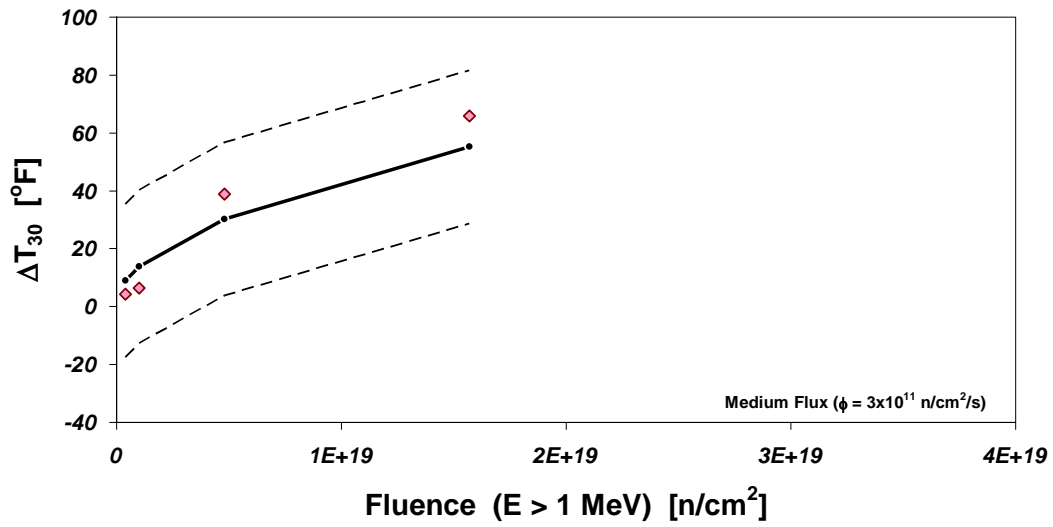
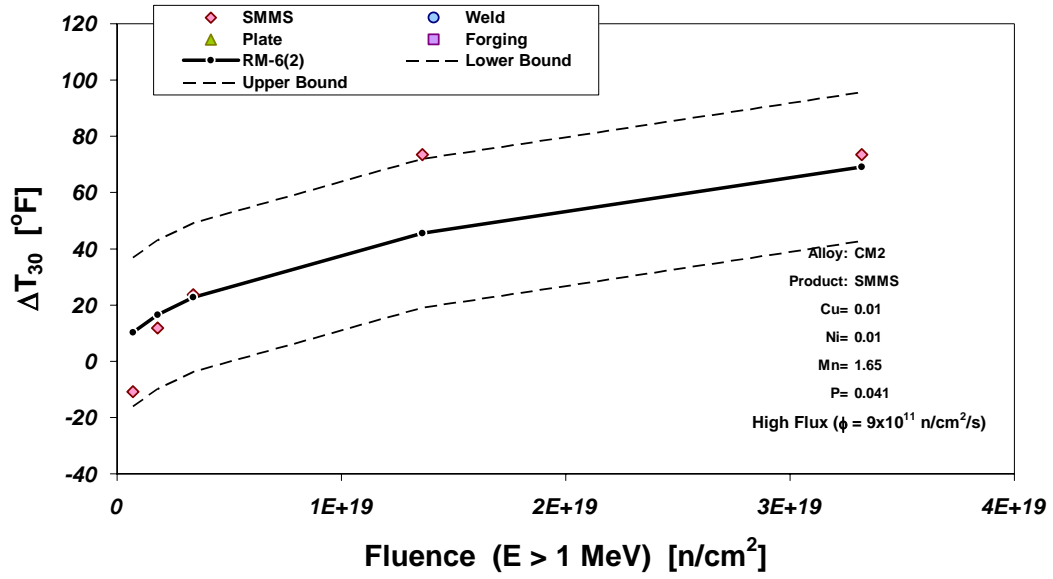
Comparison of the Predictions of RM-9 to the IVAR and RADAMO Databases

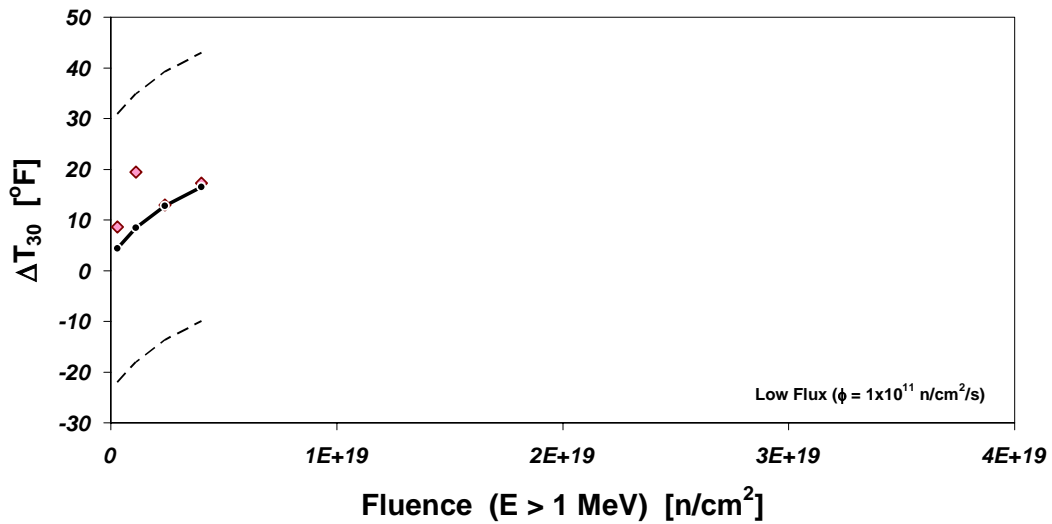
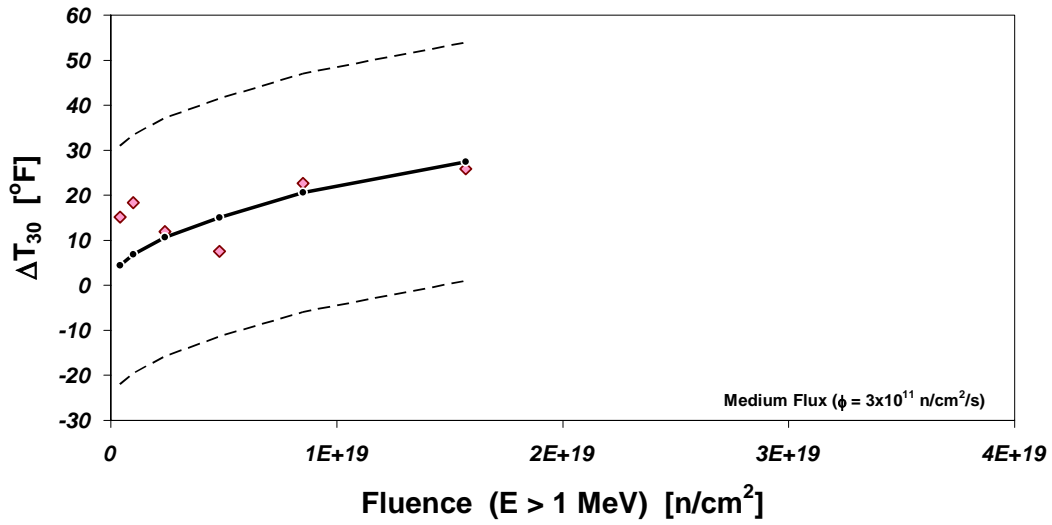
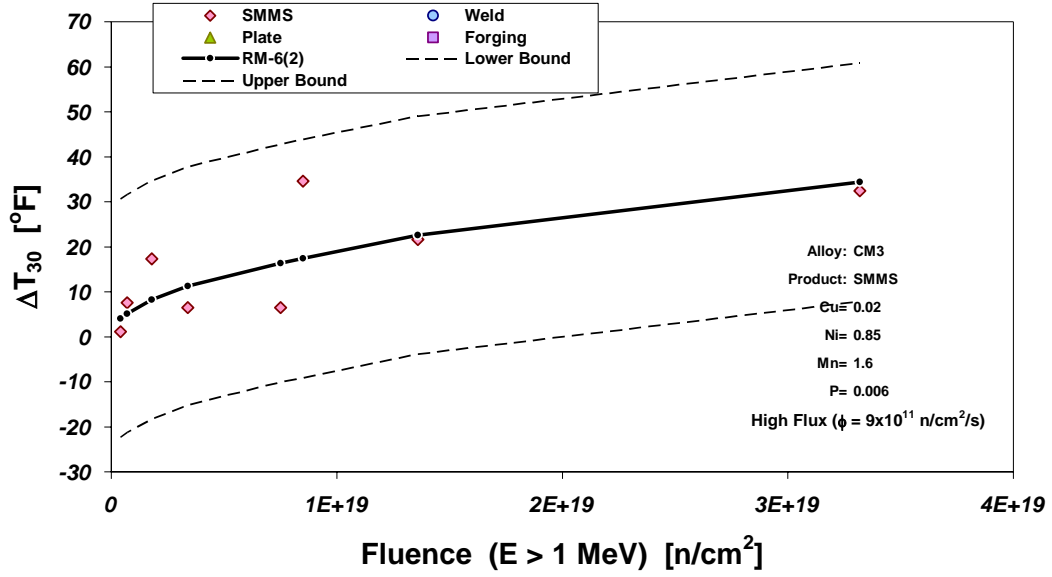
Table of IVAR Chemistry Values

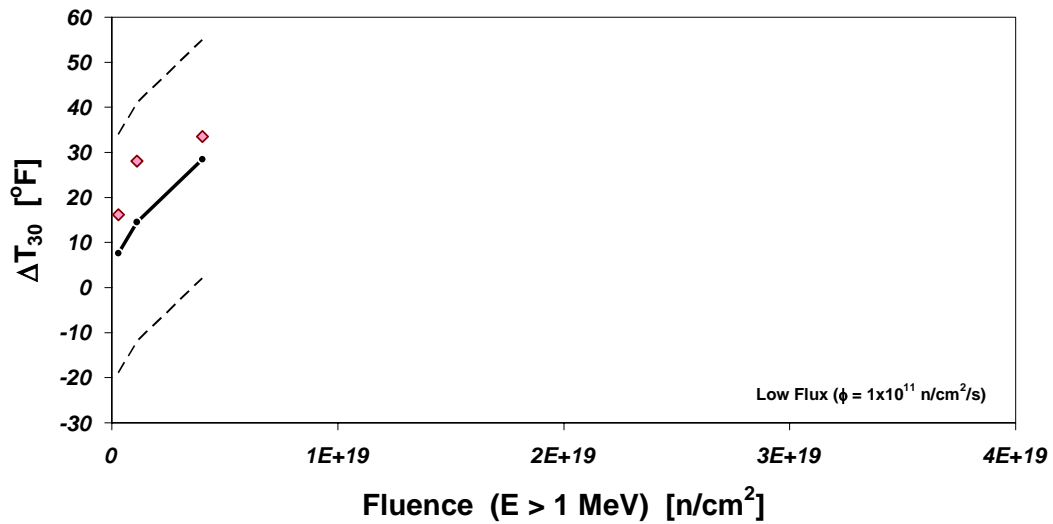
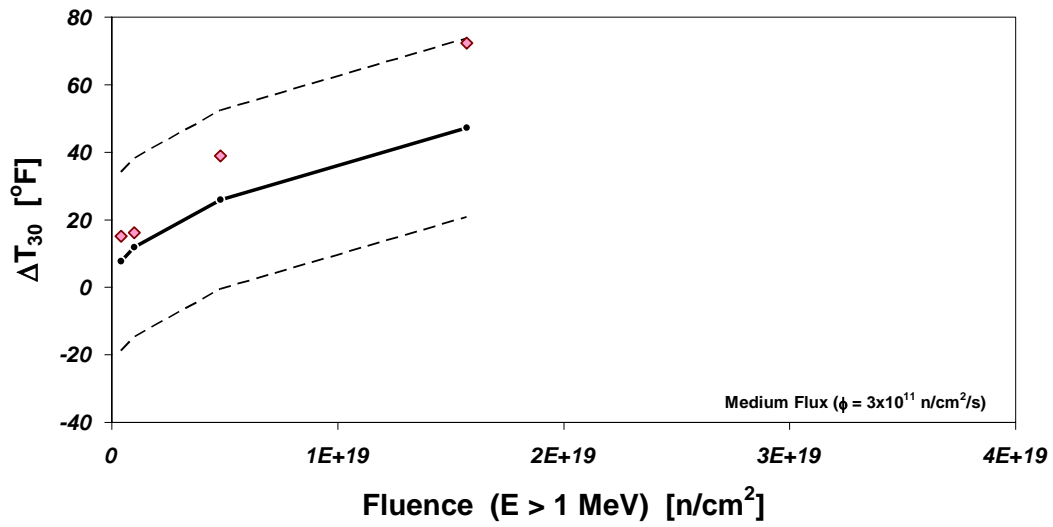
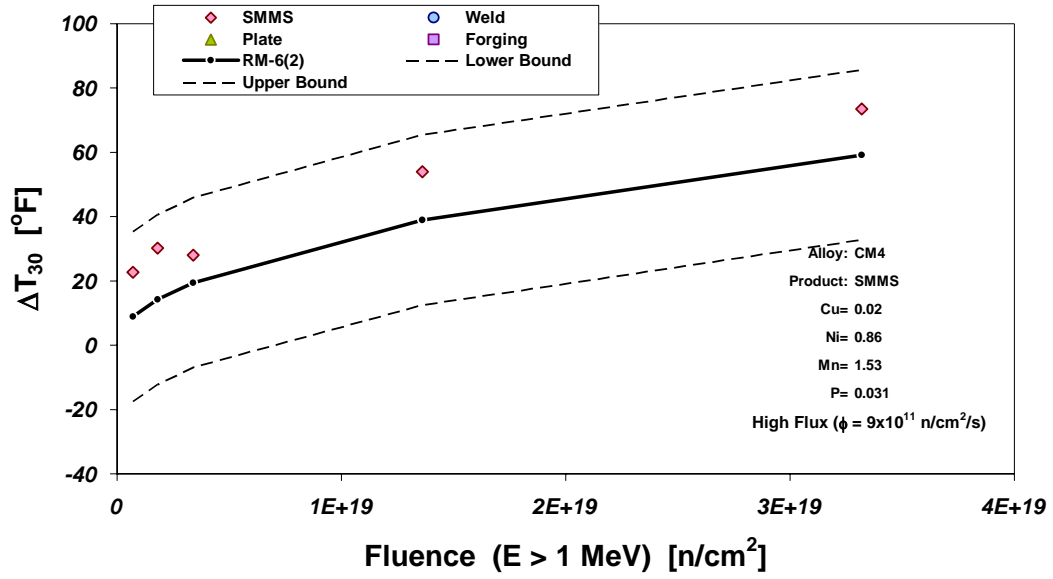
Alloy	Product Form	Composition [wt-%]				
		Cu	Ni	Mn	P	Si
62W	Weld	0.23	0.6	1.61	0.02	0.59
63W	Weld	0.3	0.69	1.65	0.016	0.63
65W	Weld	0.22	0.6	1.45	0.015	0.48
67W	Weld	0.27	0.69	1.44	0.011	0.5
73W	Weld	0.31	0.6	1.56	0.005	0.45
A302	Plate	0.14	0.2	1.2	0.015	0.28
A508	Forging	0.06	0.8	1.3	0.005	0.01
BW-A	Weld	0.21	0.63	1.69	0.014	0.45
BW-B	Weld	0.28	0.69	1.63	0.018	0.54
BW-C	Weld	0.06	0.62	1.3	0.009	0.37
CM1	SMMS	0.01	0.01	1.67	0.003	0.15
CM10	SMMS	0.02	0.88	1.66	0.008	0.17
CM11	SMMS	0.34	0.85	1.64	0.006	0.18
CM12	SMMS	0.86	0.84	1.65	0.006	0.17
CM13	SMMS	0.11	0.83	1.61	0.004	0.16
CM14	SMMS	0.11	0.83	1.62	0.04	0.17
CM15	SMMS	0.22	0.02	1.59	0.002	0.15
CM16	SMMS	0.22	0.82	1.58	0.004	0.25
CM17	SMMS	0.22	1.59	1.54	0.004	0.25
CM18	SMMS	0.43	0.02	1.7	0.002	0.15
CM19	SMMS	0.42	0.85	1.63	0.005	0.16
CM2	SMMS	0.01	0.01	1.65	0.041	0.16
CM20	SMMS	0.43	1.69	1.63	0.006	0.16
CM21	SMMS	0.42	0.84	0.01	0.002	0.14
CM22	SMMS	0.42	0.84	0.84	0.002	0.14
CM23	SMMS	0.01	0.83	1.62	0.002	0.15
CM24	SMMS	0.02	0.87	1.65	0.006	0.15
CM25	SMMS	0.01	0.87	1.53	0.003	0.17
CM26	SMMS	0.01	0.87	1.66	0.006	0.17
CM27	SMMS	0.01	0.84	1.6	0.002	0.16
CM28	SMMS	0.42	0.84	1.6	0.002	0.17
CM29	SMMS	0.21	0.02	1.68	0.002	0.14
CM3	SMMS	0.02	0.85	1.6	0.006	0.16
CM30	SMMS	0.22	0.85	1.64	0.006	0.16
CM31	SMMS	0.01	0.86	1.65	0.006	0.17
CM4	SMMS	0.02	0.86	1.53	0.031	0.16
CM5	SMMS	0.02	0.86	1.61	0.05	0.16
CM6	SMMS	0.02	1.68	1.5	0.007	0.17
CM7	SMMS	0	1.7	1.55	0.047	0.17

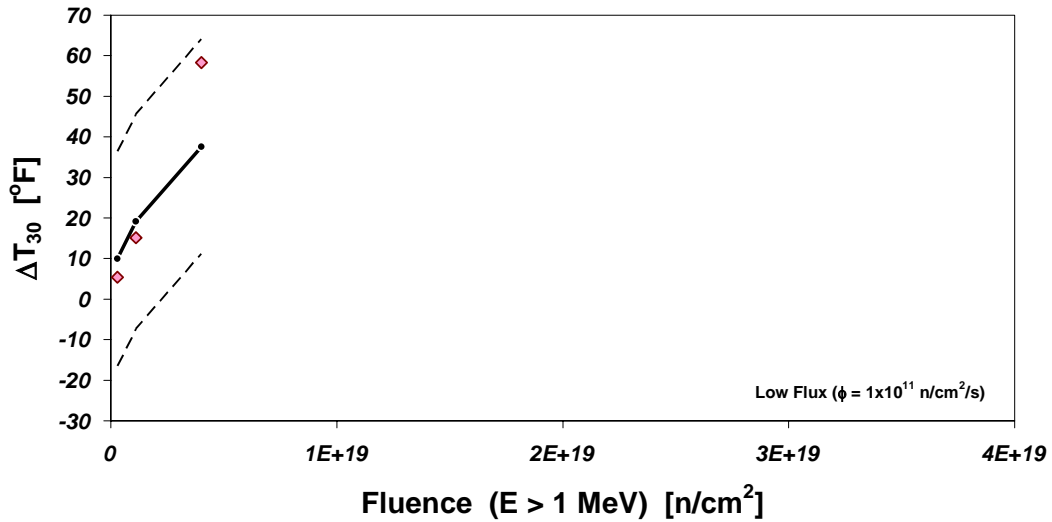
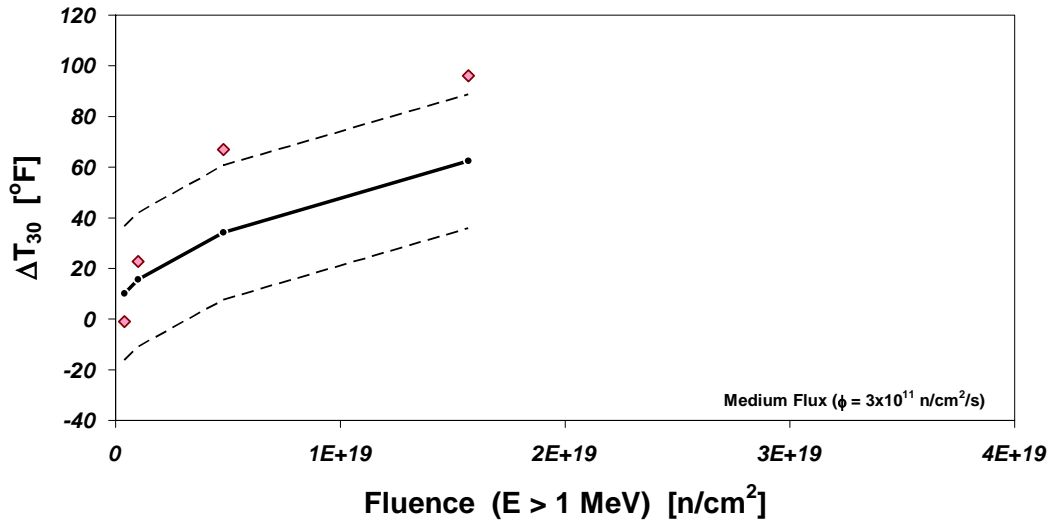
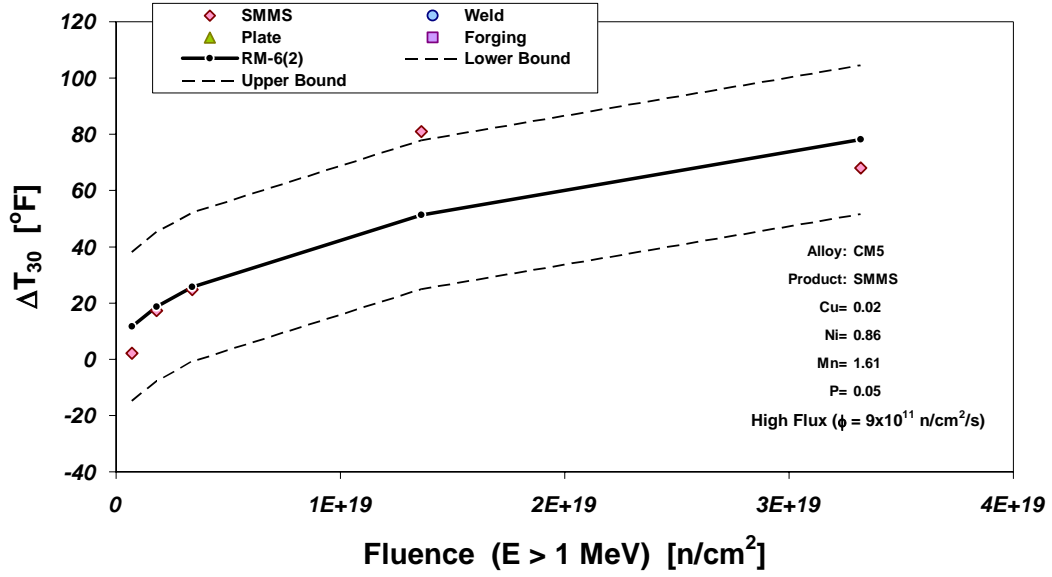
Alloy	Product Form	Composition [wt-%]				
		Cu	Ni	Mn	P	Si
CM8	SMMS	0.01	0.86	0.01	0.004	0.14
CM9	SMMS	0.01	0.86	0.85	0.003	0.15
EPRI-C	Weld	0.4	0.6	1.36	0.006	0.51
HSST02	Plate	0.14	0.67	1.55	0.009	0.2
JRQ	Plate	0.14	0.82	1.4	0.019	0.25
LA	SMMS	0.4	0	1.37	0.005	0.22
LB	SMMS	0.4	0.18	1.35	0.005	0.22
LC	SMMS	0.41	0.86	1.44	0.005	0.23
LD	SMMS	0.38	1.25	1.38	0.005	0.23
LG	SMMS	0	0.74	1.37	0.005	0.22
LH	SMMS	0.11	0.74	1.39	0.005	0.24
LI	SMMS	0.2	0.74	1.37	0.005	0.24
LJ	SMMS	0.42	0.81	1.34	0.005	0.13
LK	SMMS	0.8	0.81	1.13	0.005	0.13
LO	SMMS	0.41	0.86	1.44	0.005	0.23
Midland	Weld	0.27	0.57	1.61	0.017	0.62
Palisades	Weld	0.2	1.2	1.3	0.01	0.18
RR-WG	Weld	0.24	1.71	1.21	0.008	0.6
RR-WP	Weld	0.04	1.65	1.43	0.011	0.5
RR-WV	Weld	0.56	1.66	1.36	0.01	0.38

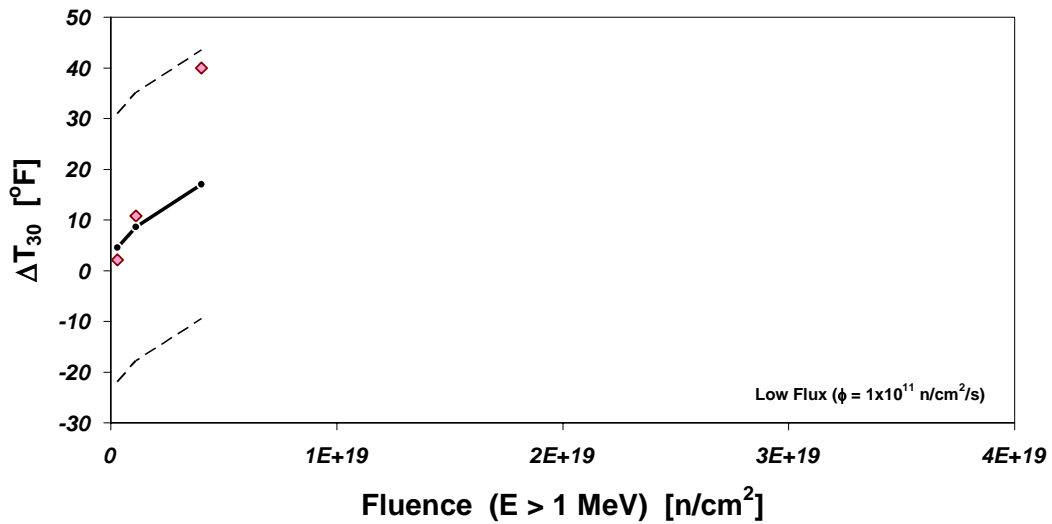
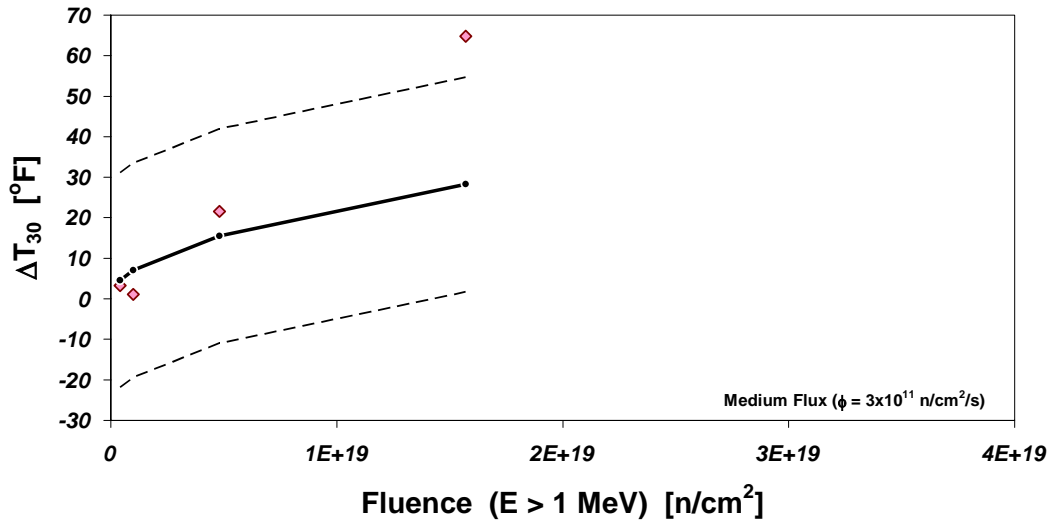
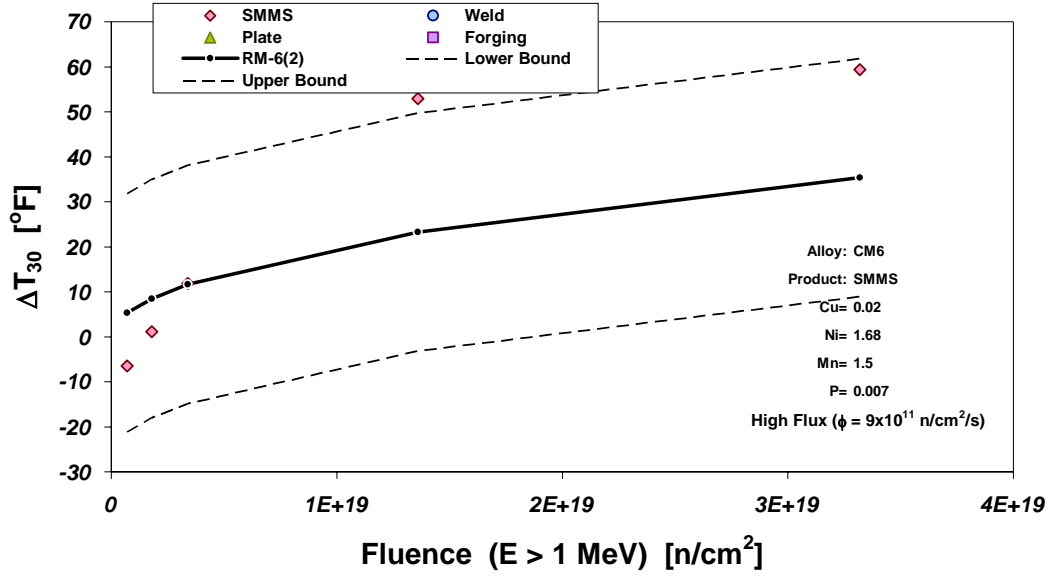


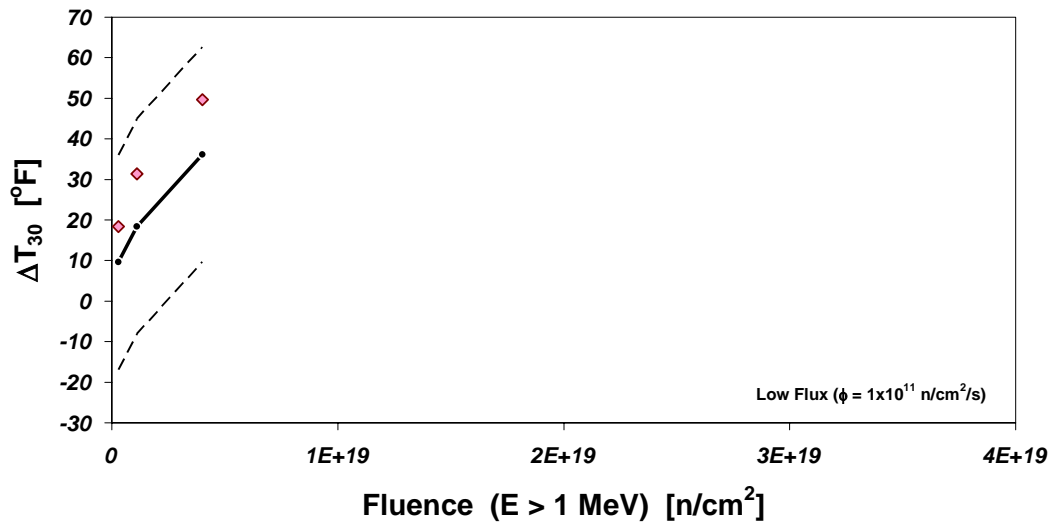
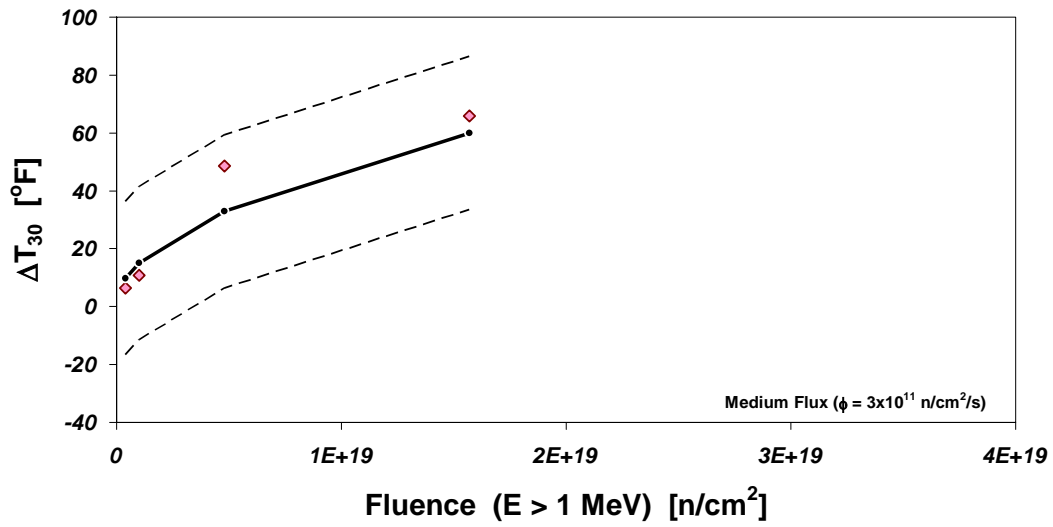
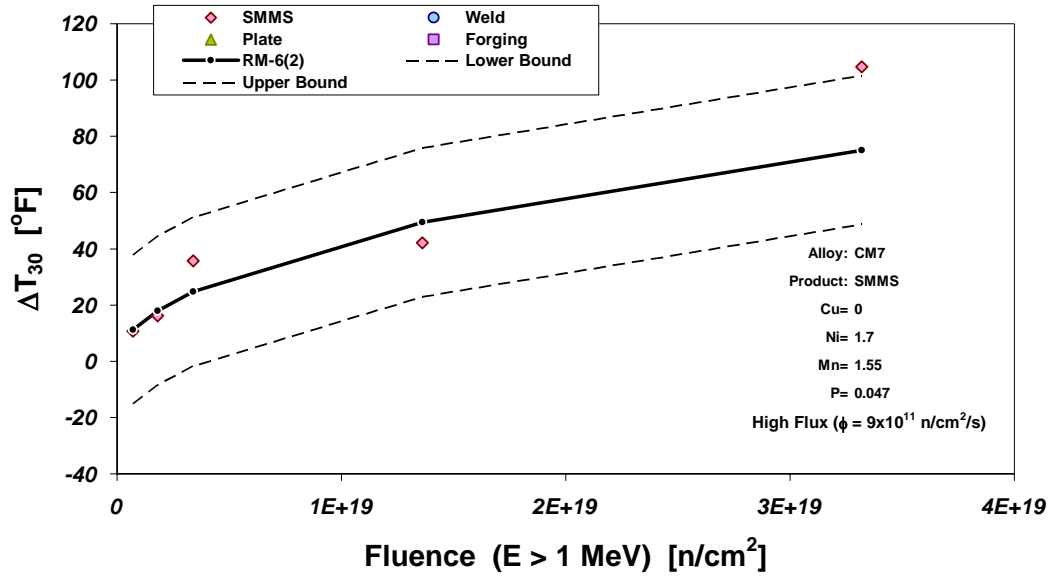


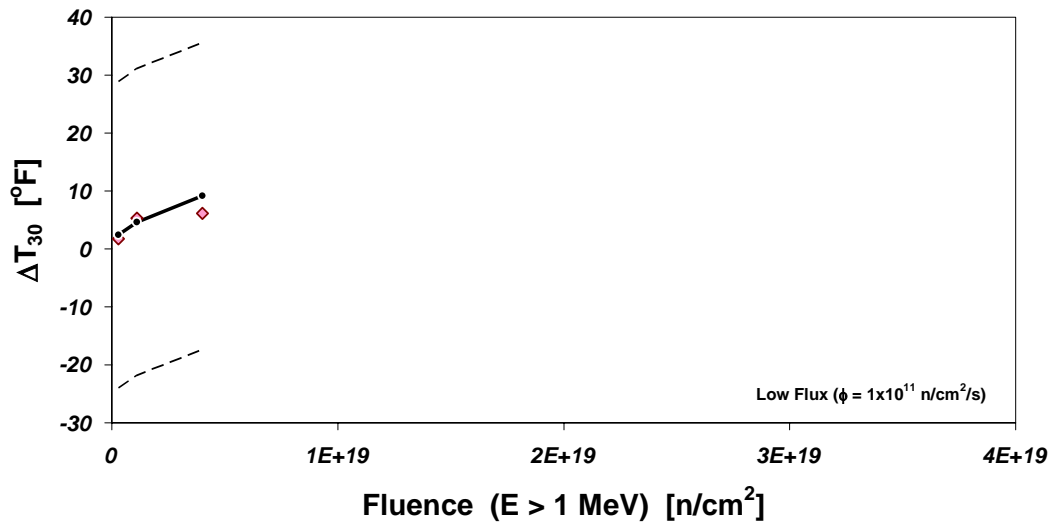
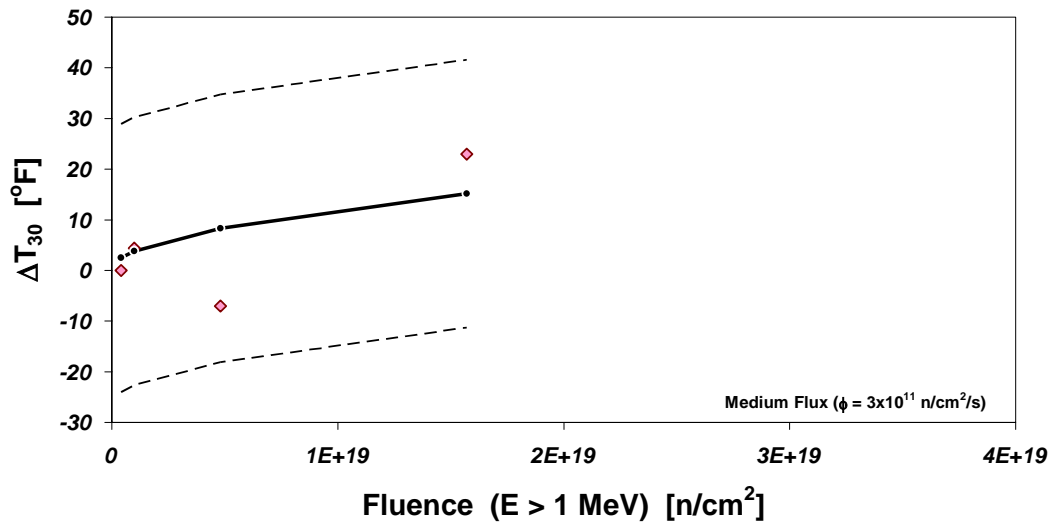
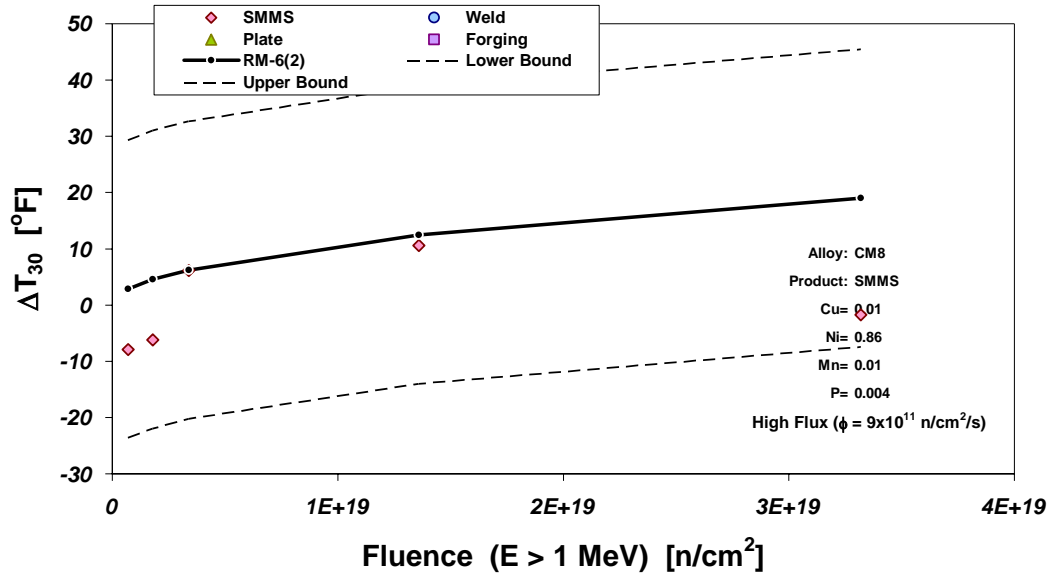


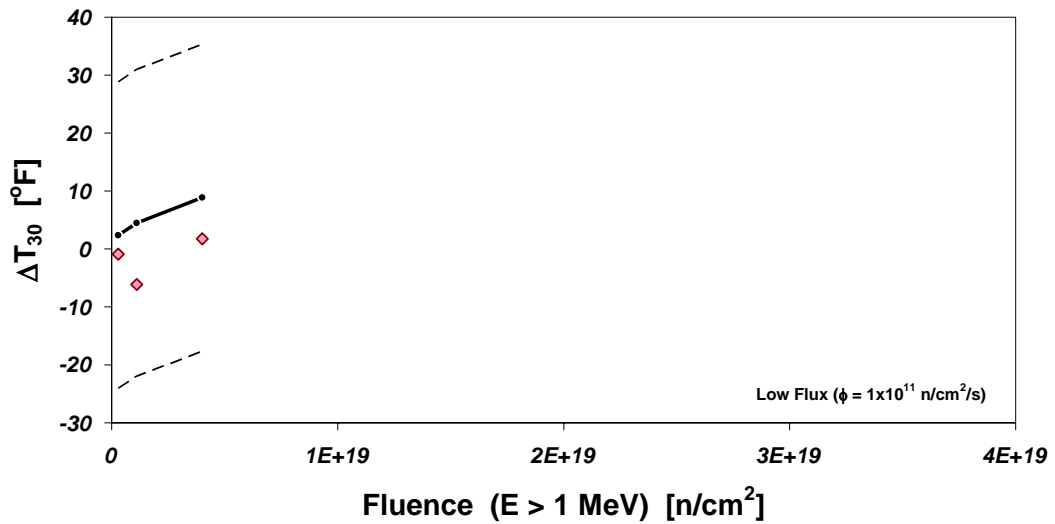
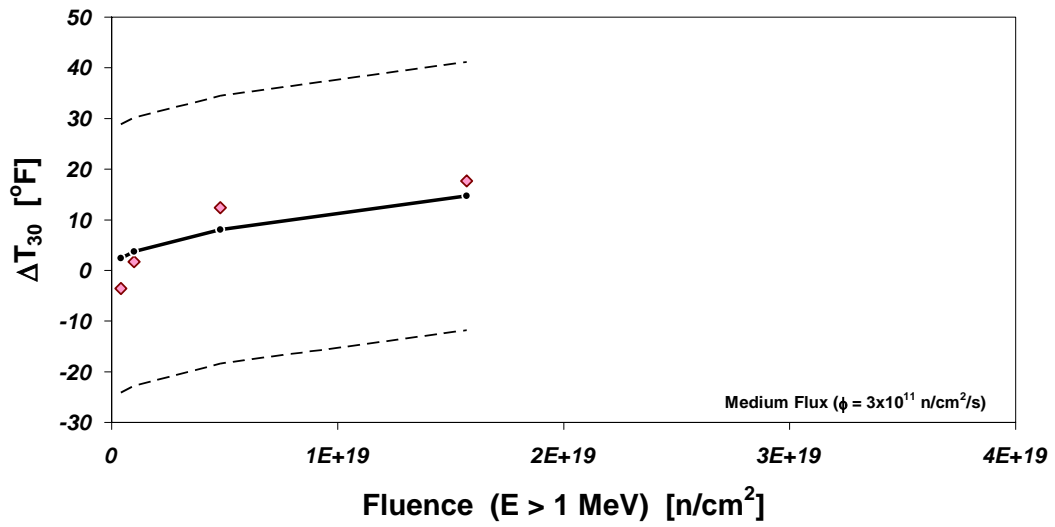
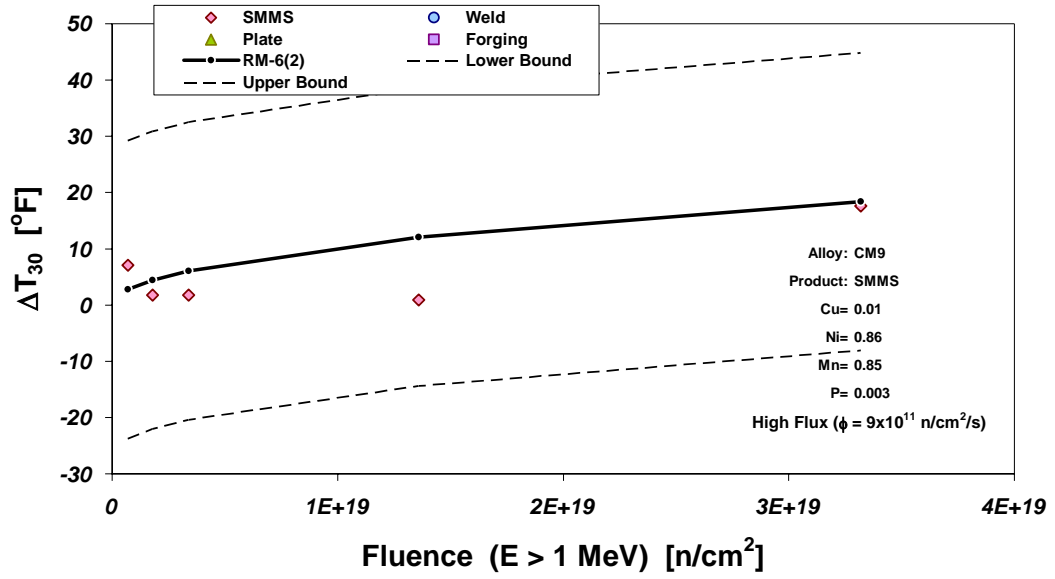


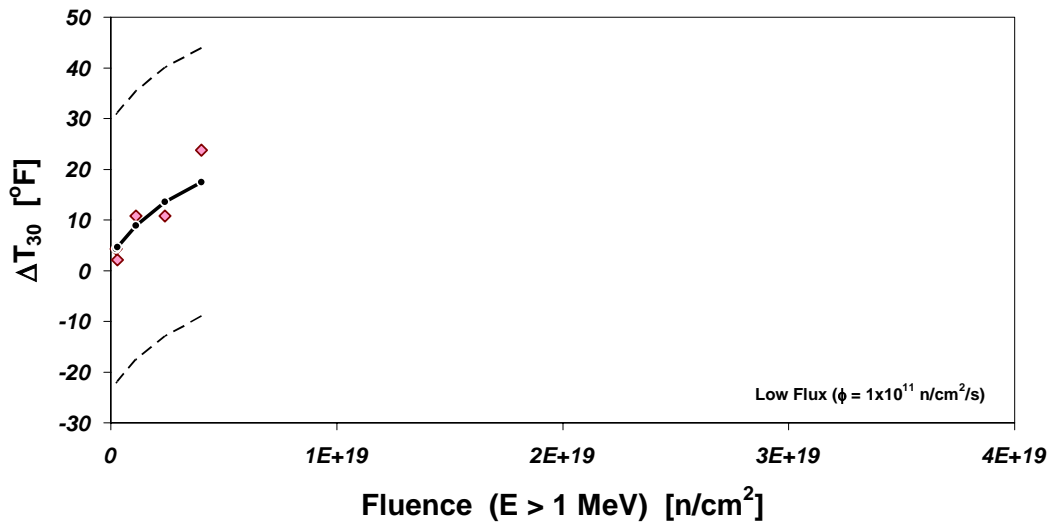
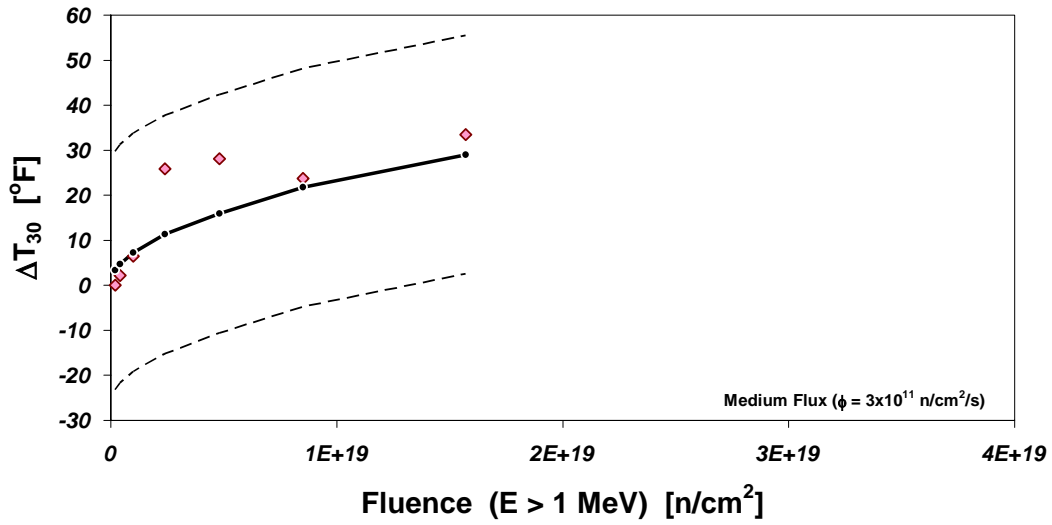
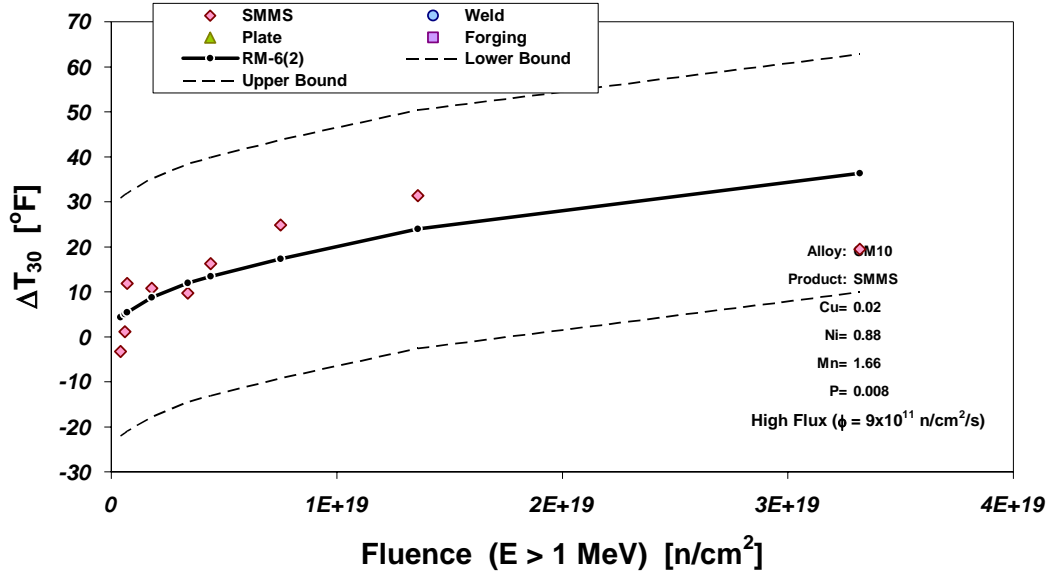


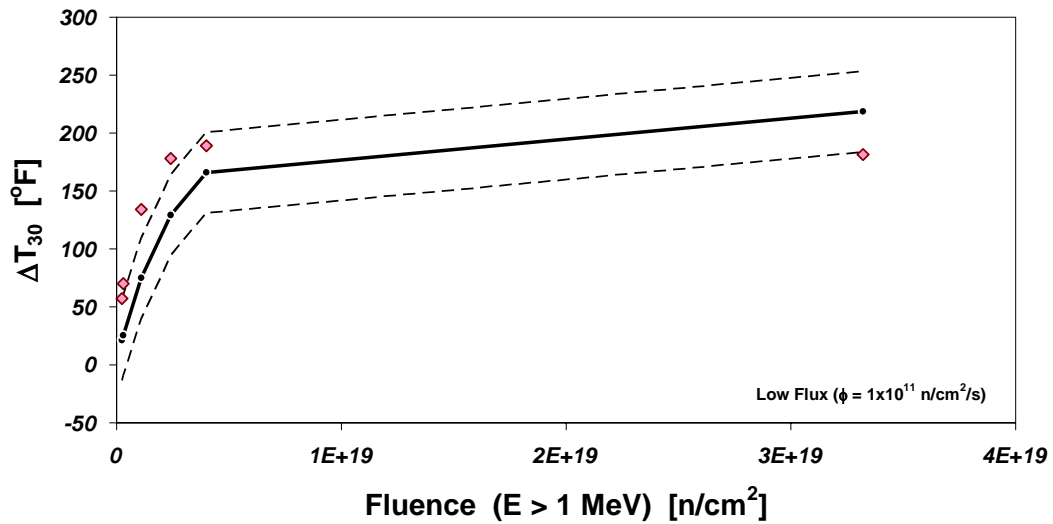
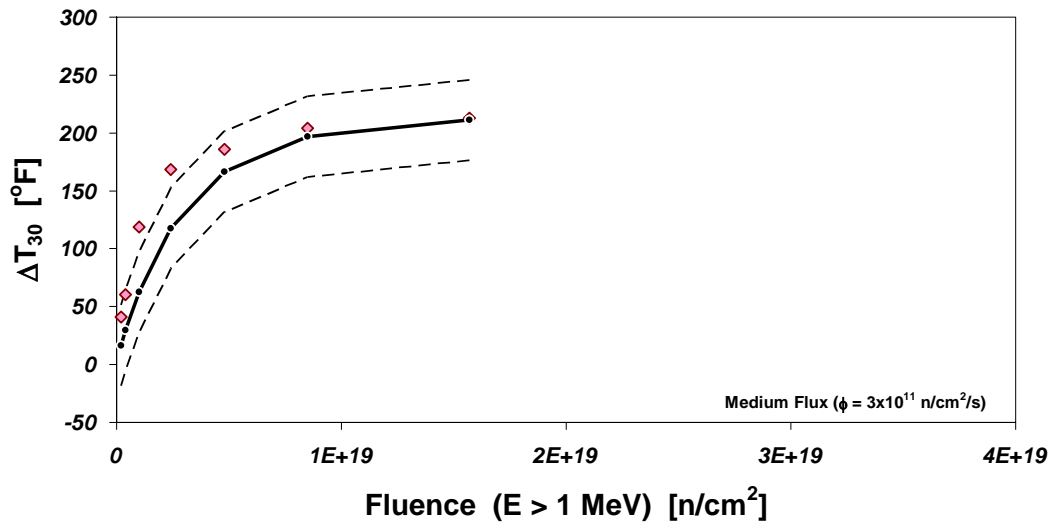
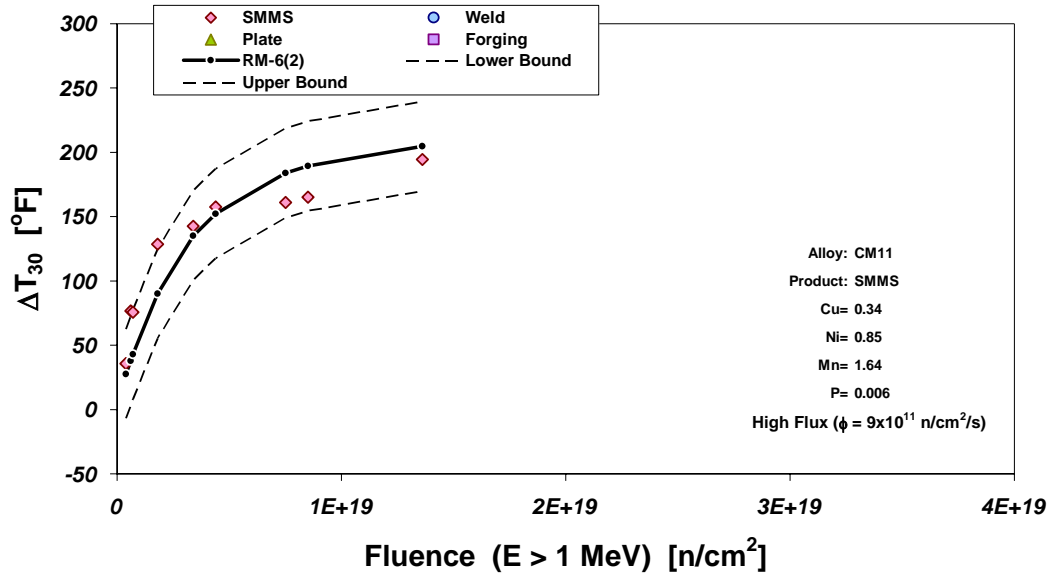


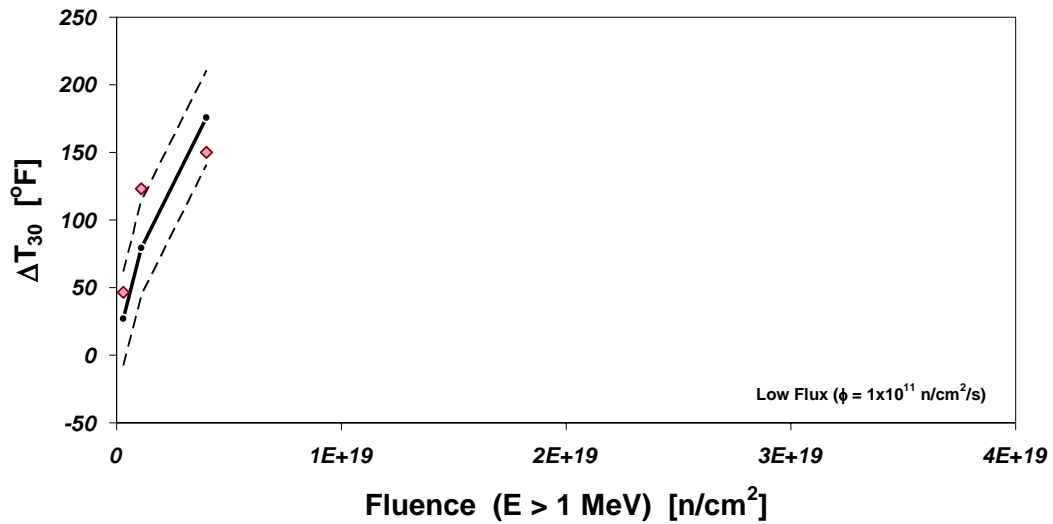
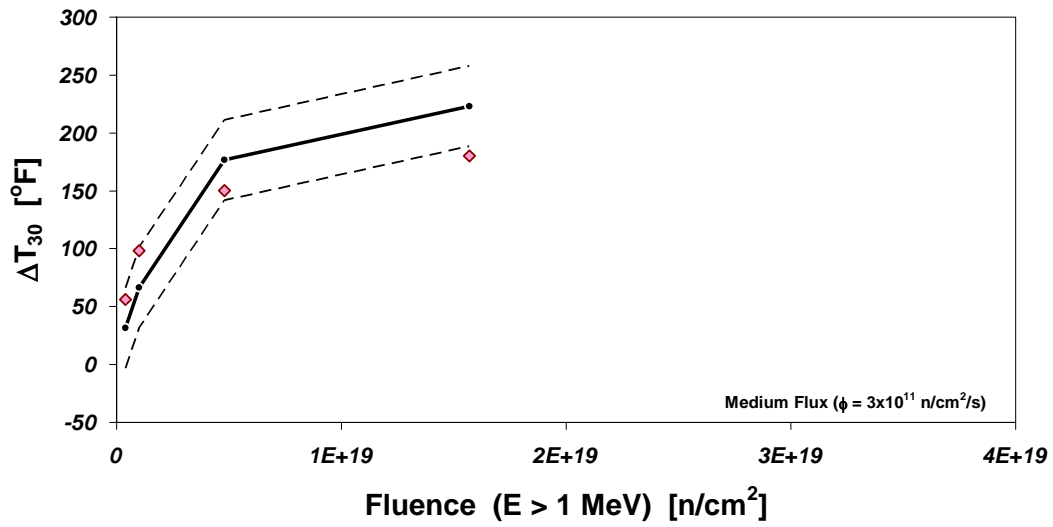
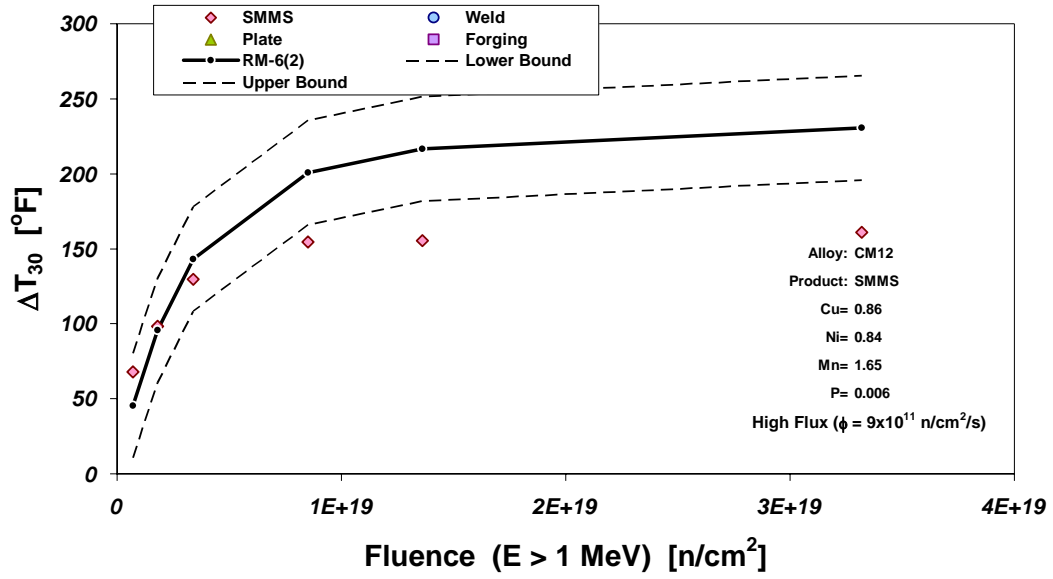


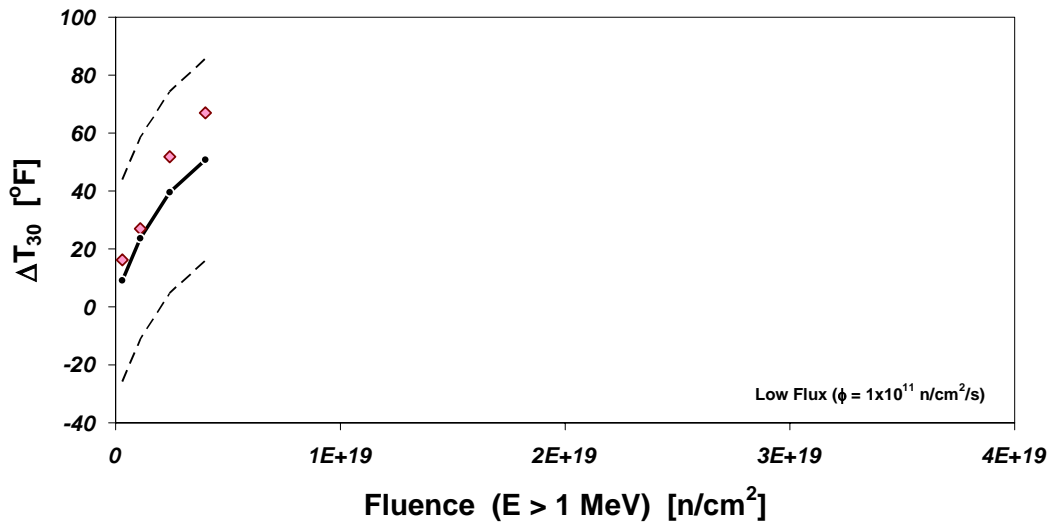
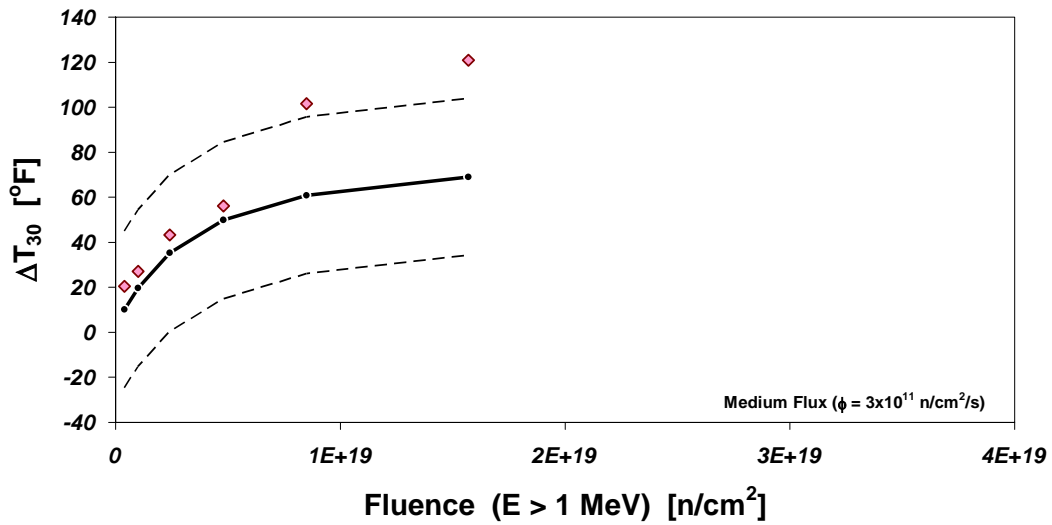
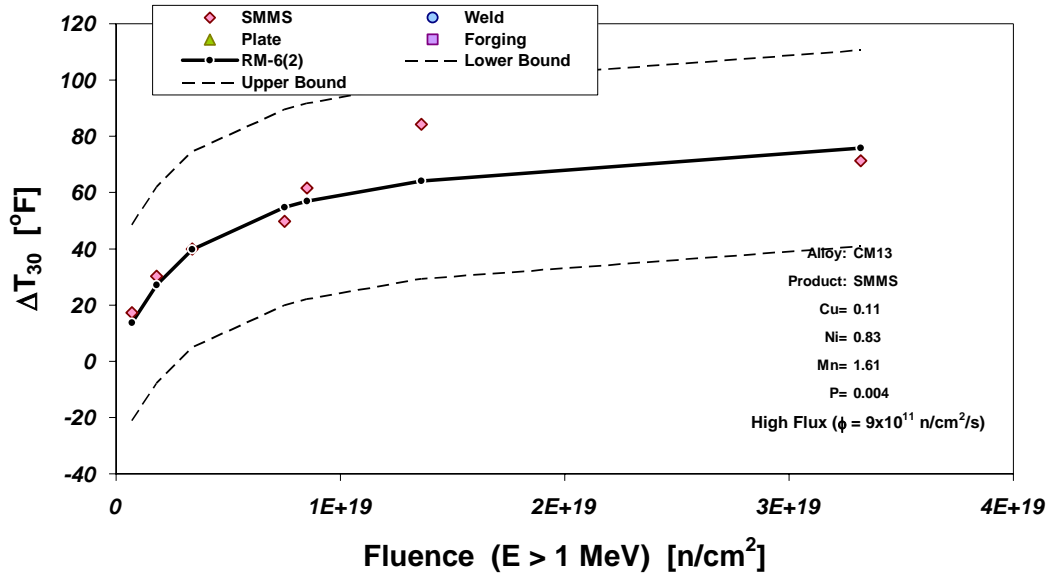


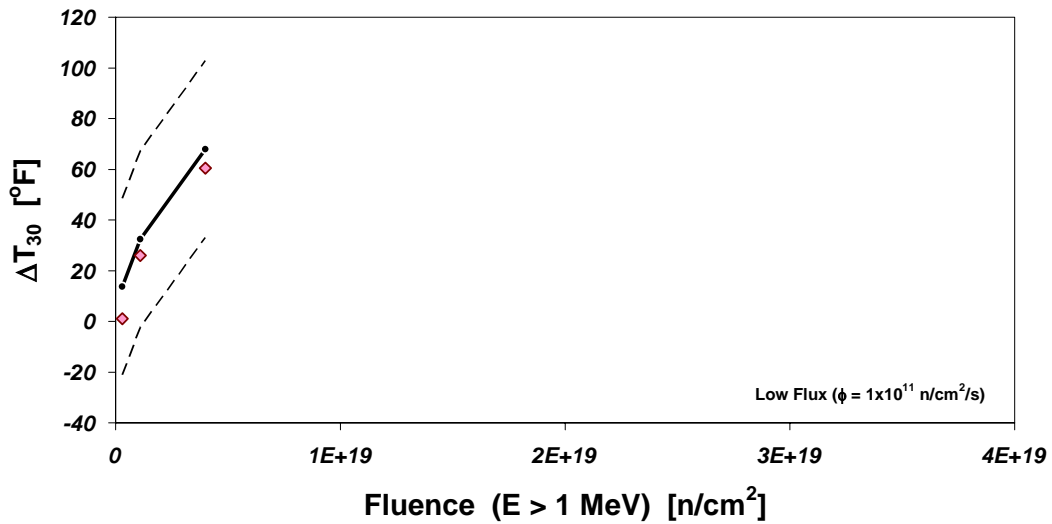
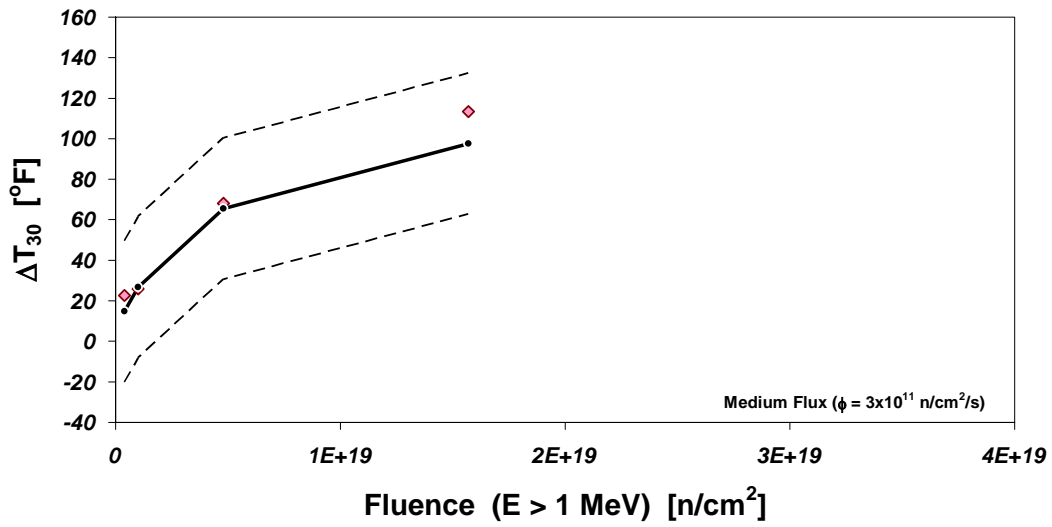
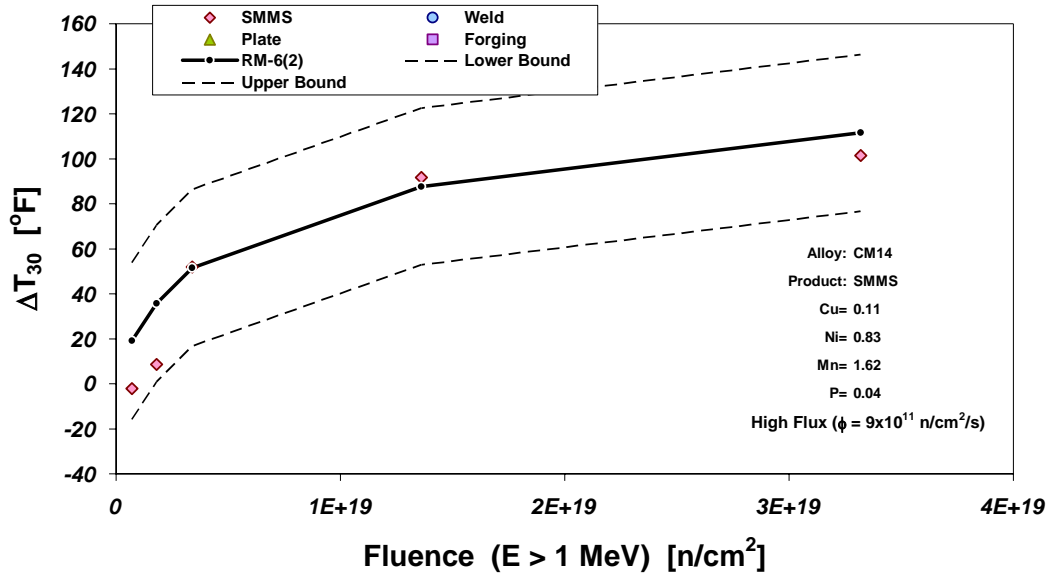


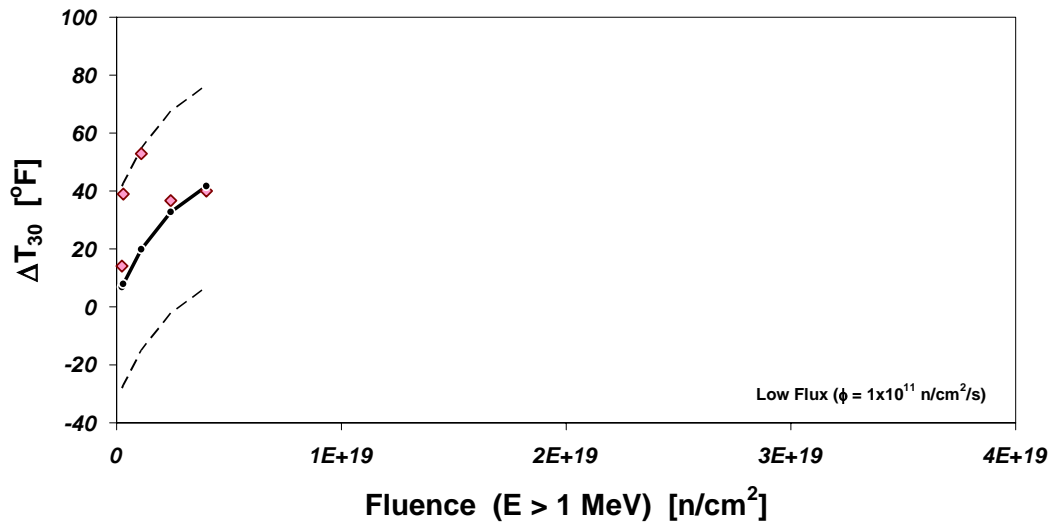
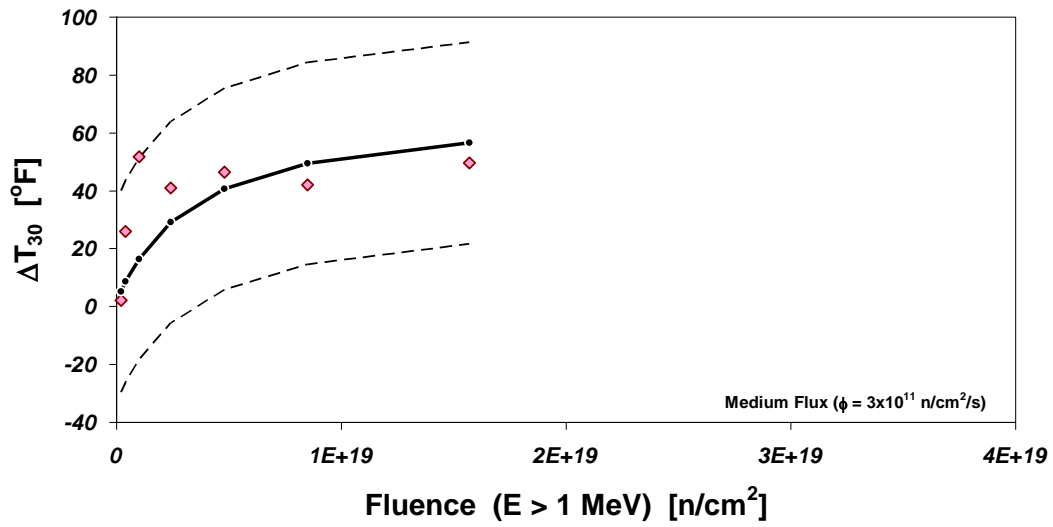
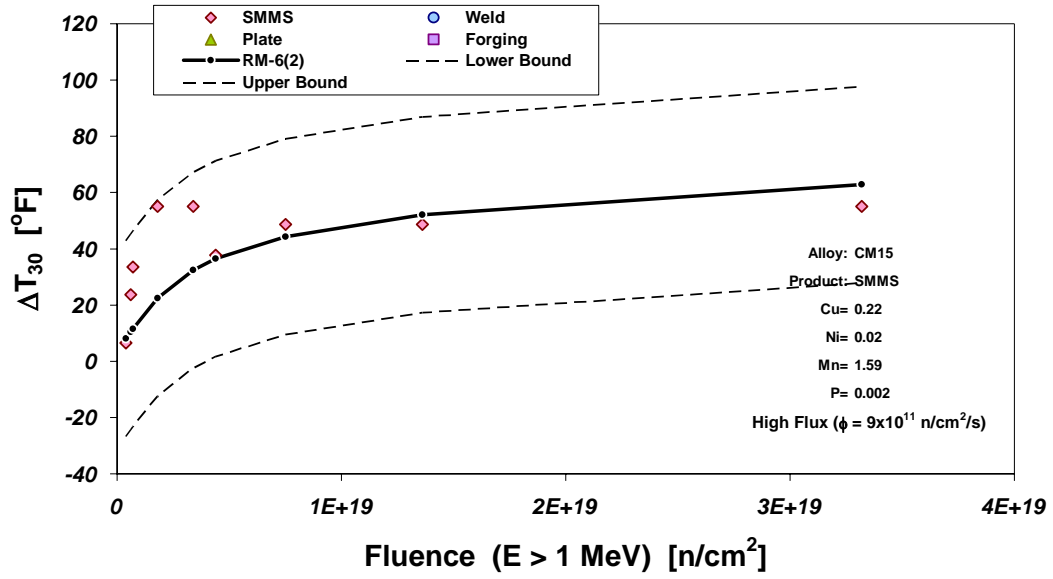


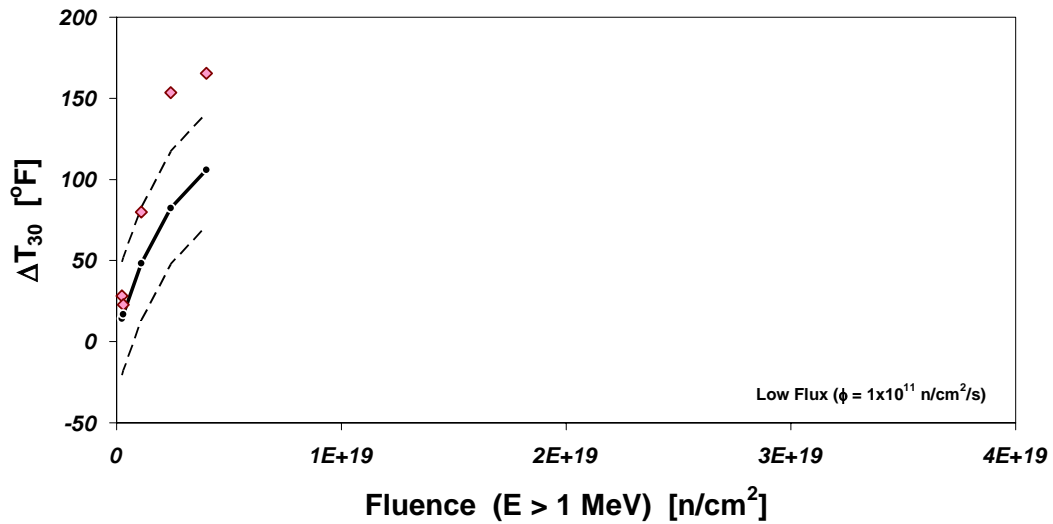
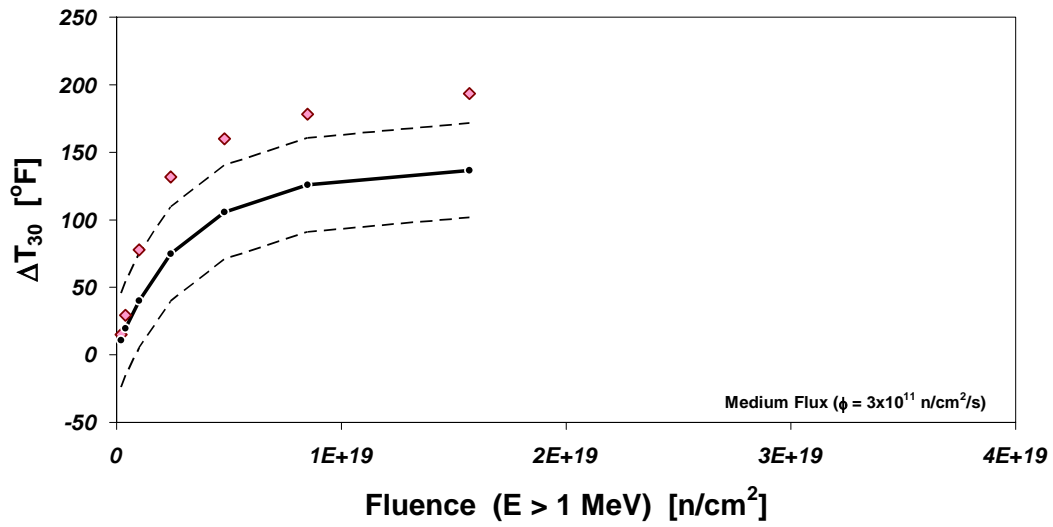
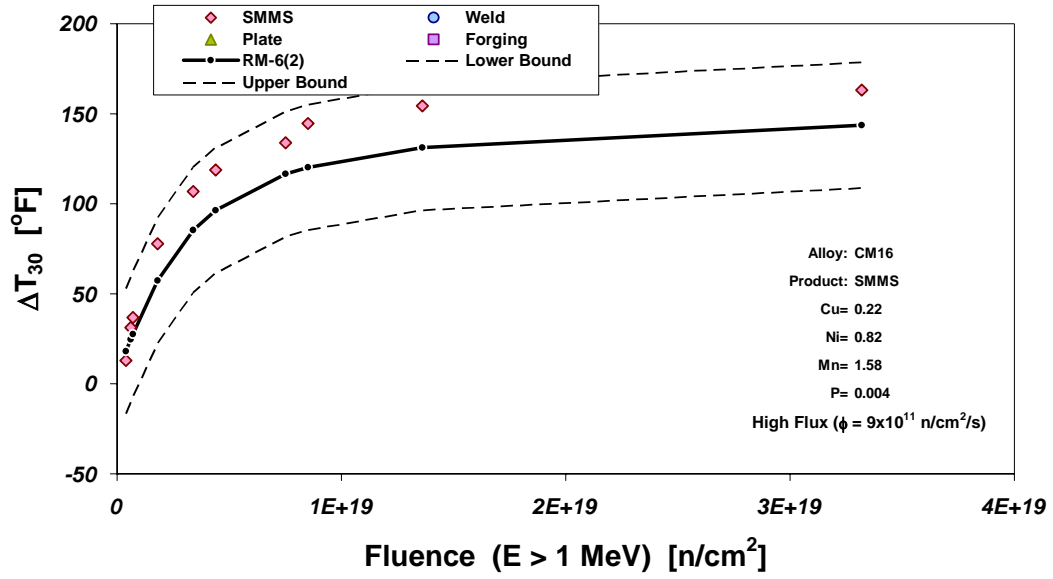


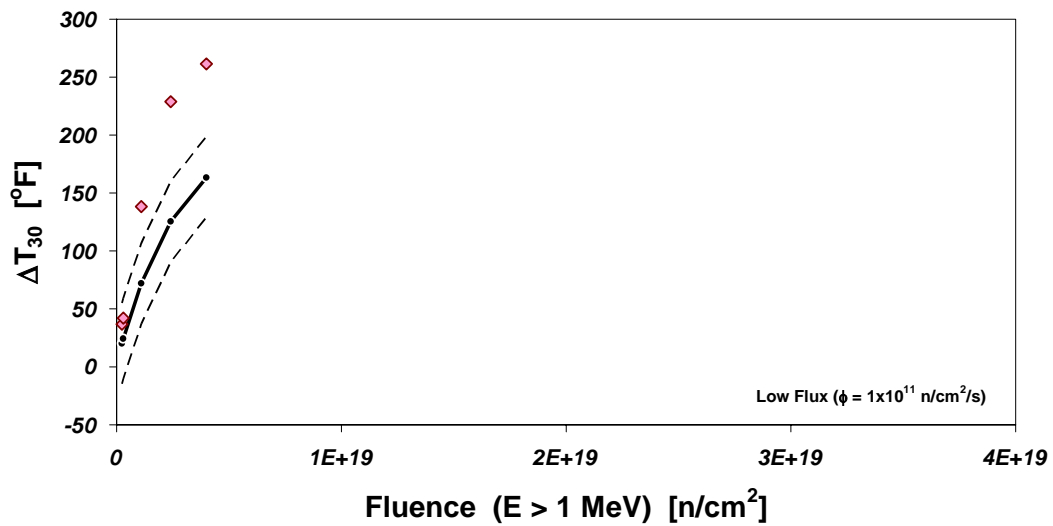
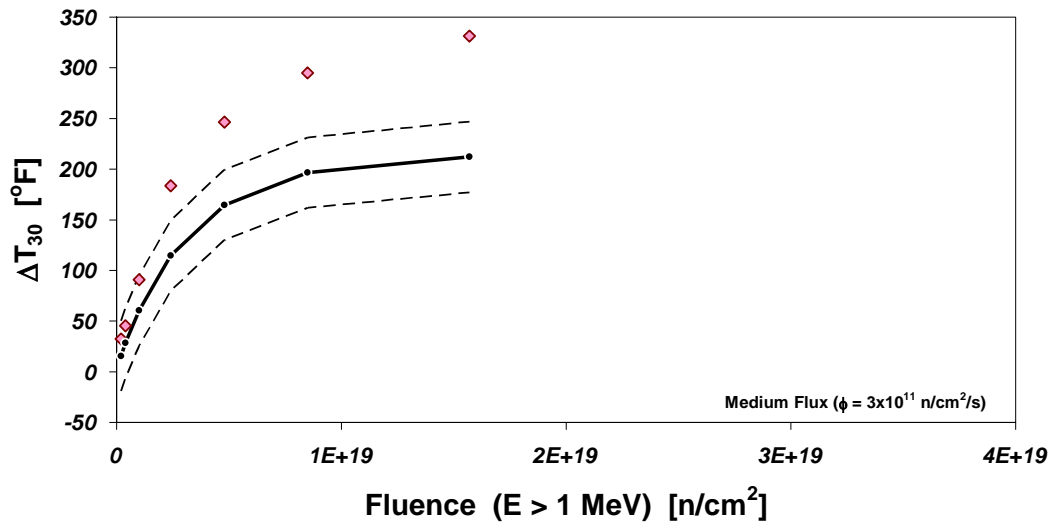
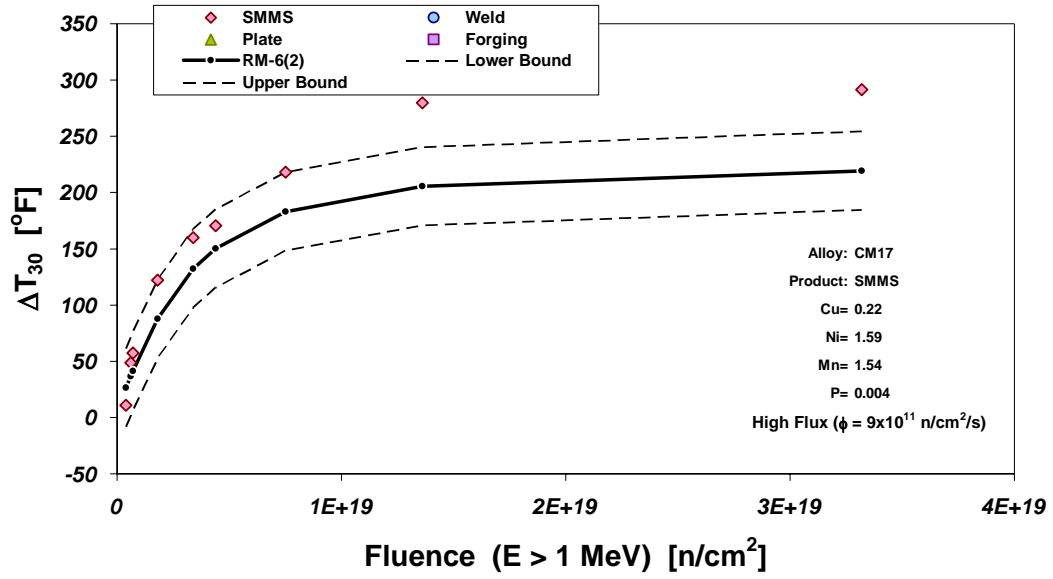


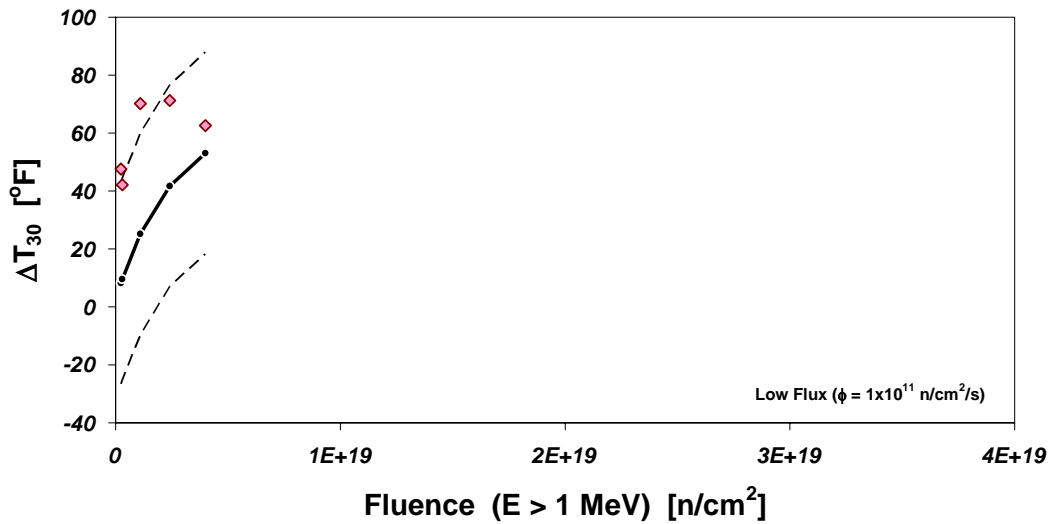
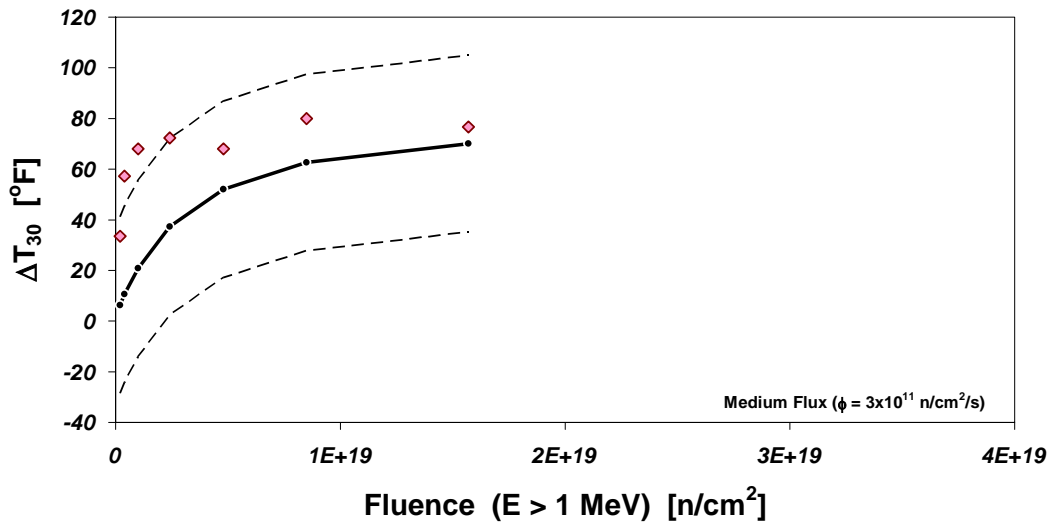
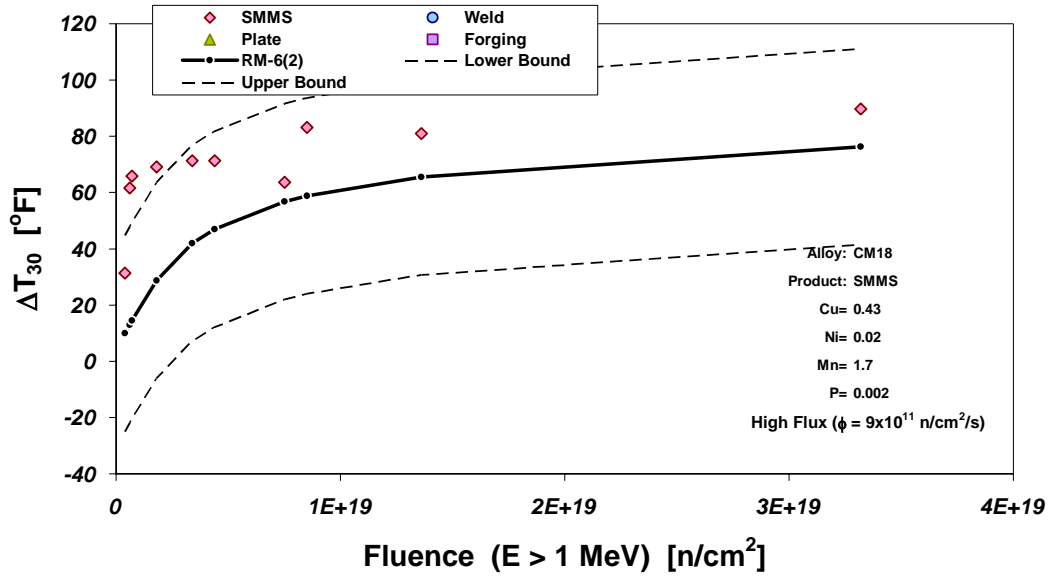


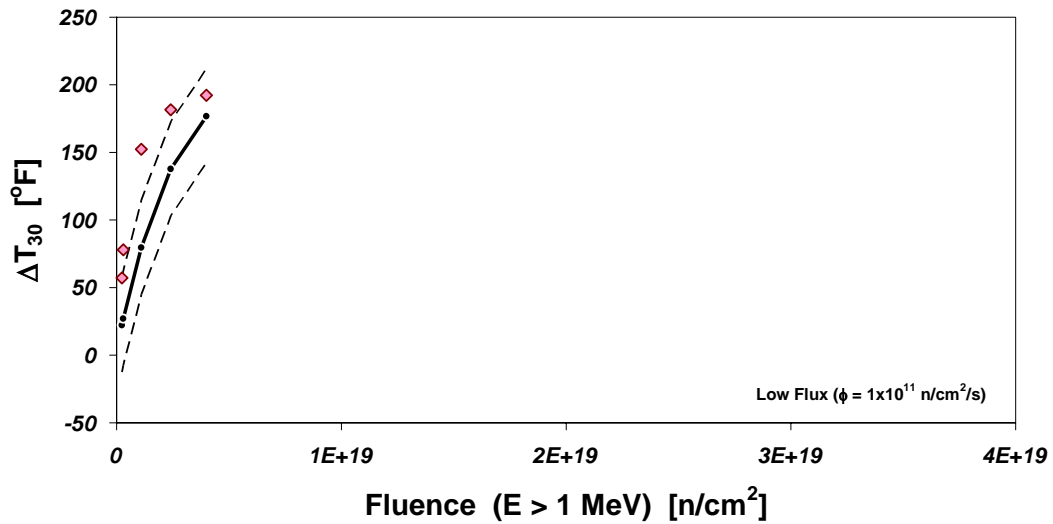
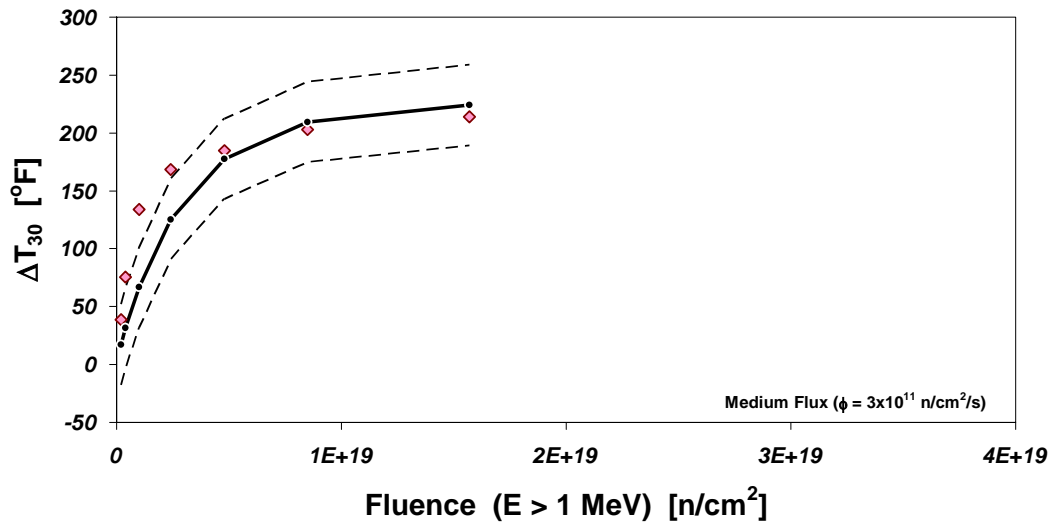
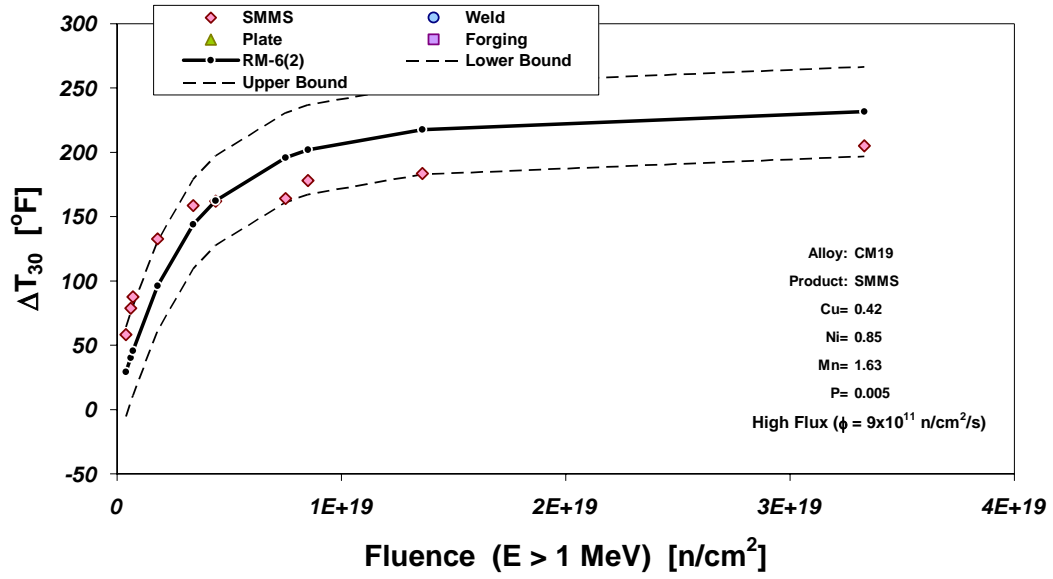


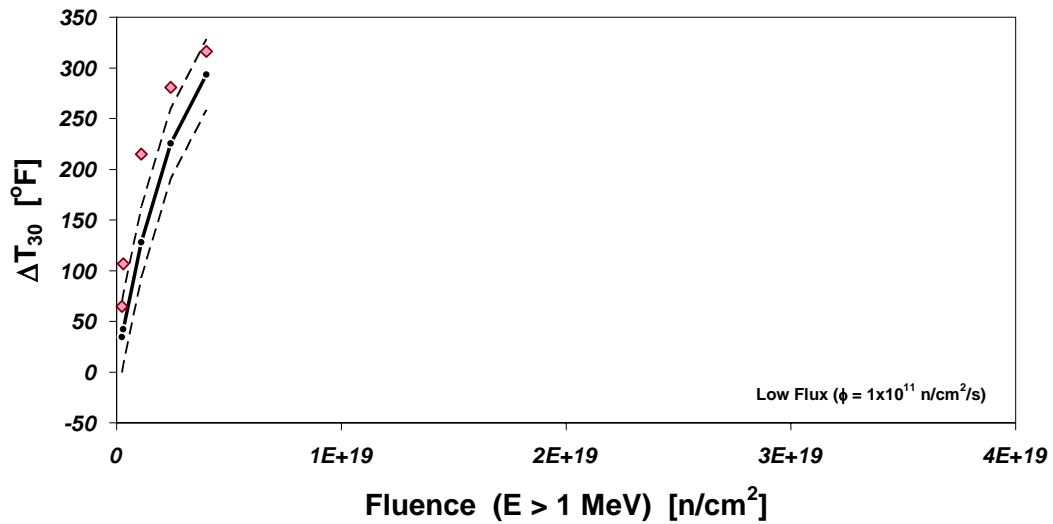
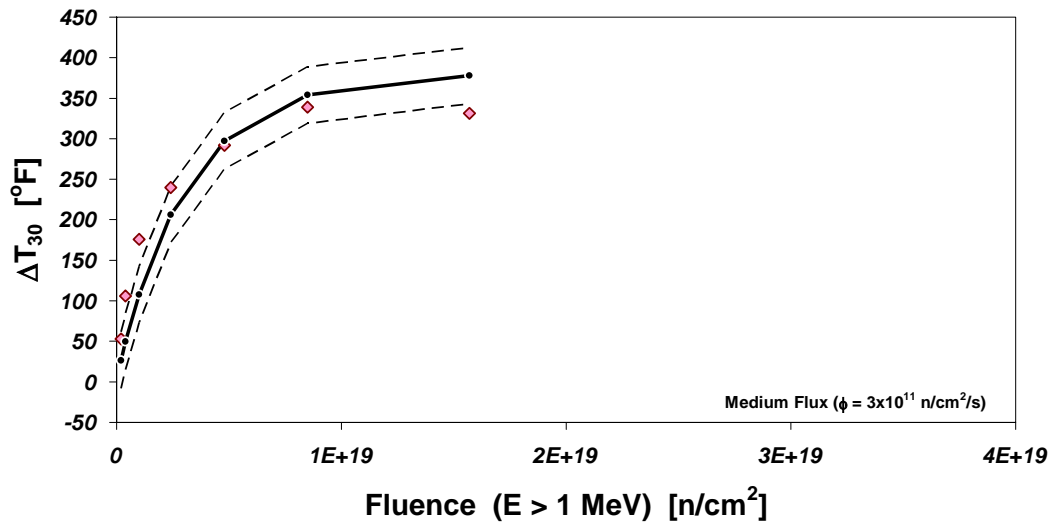
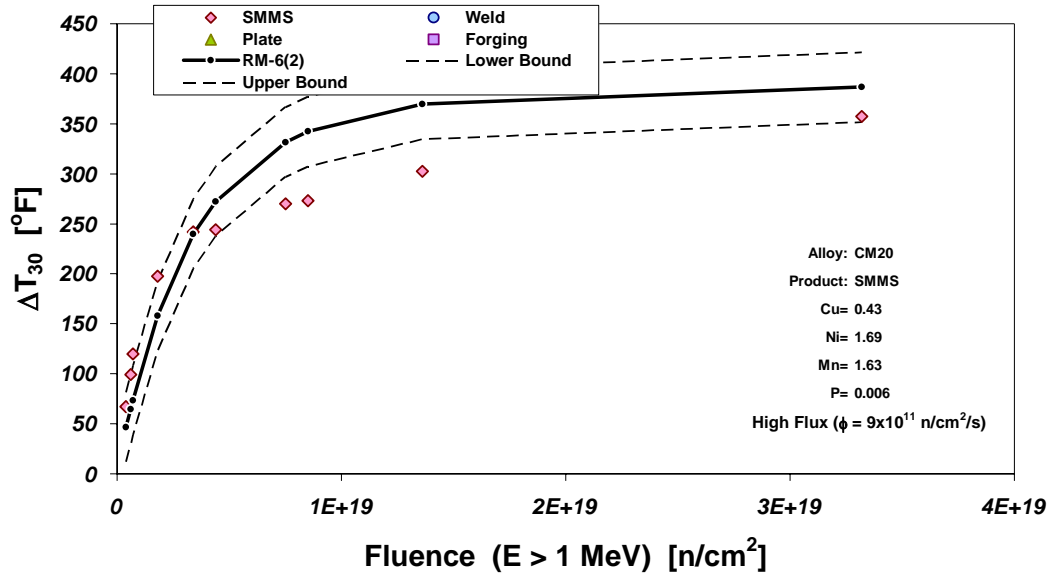


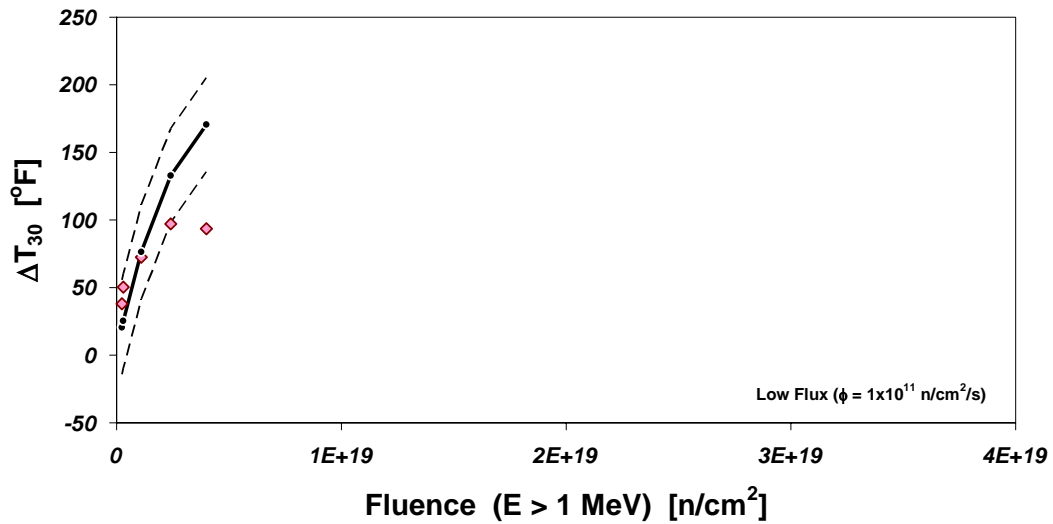
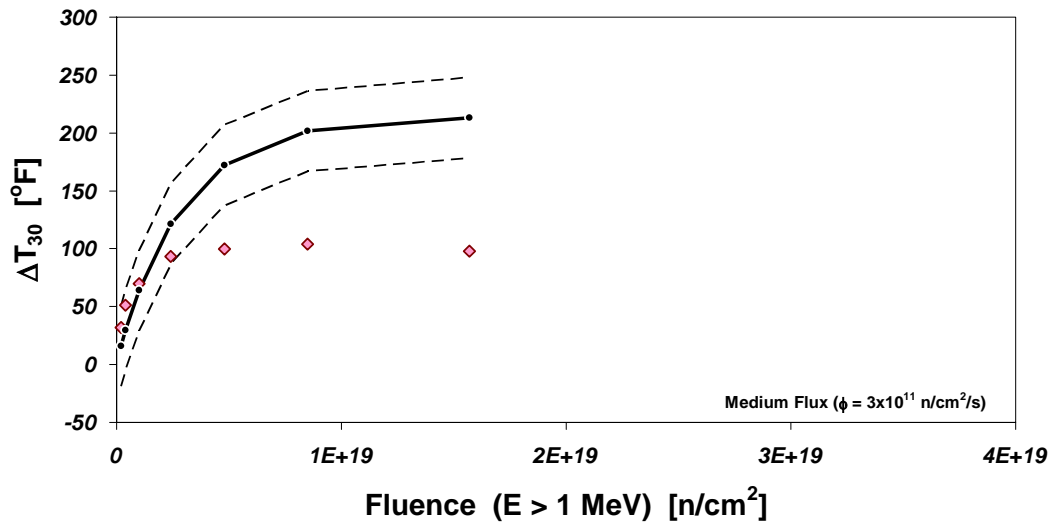
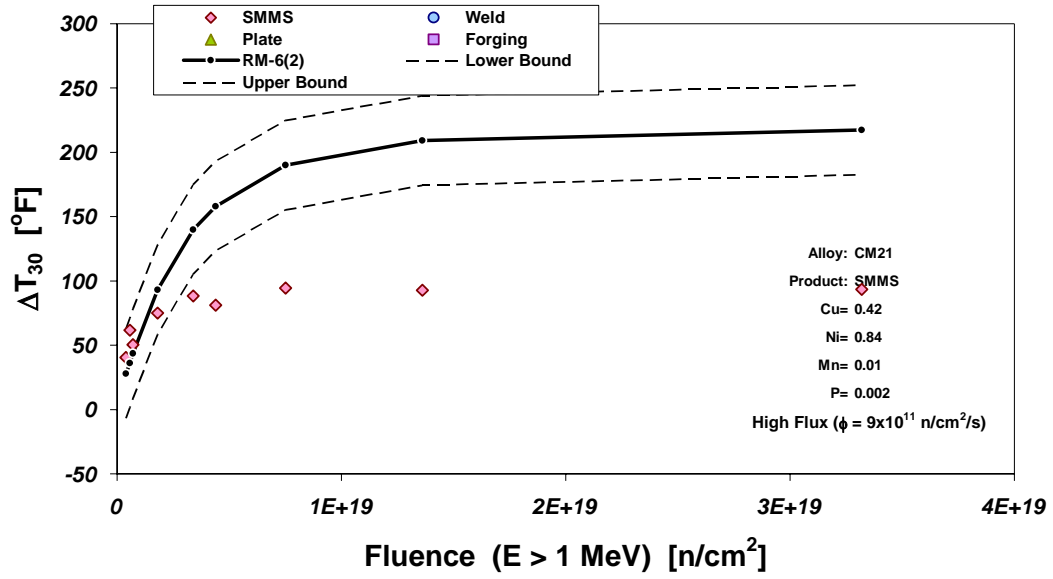


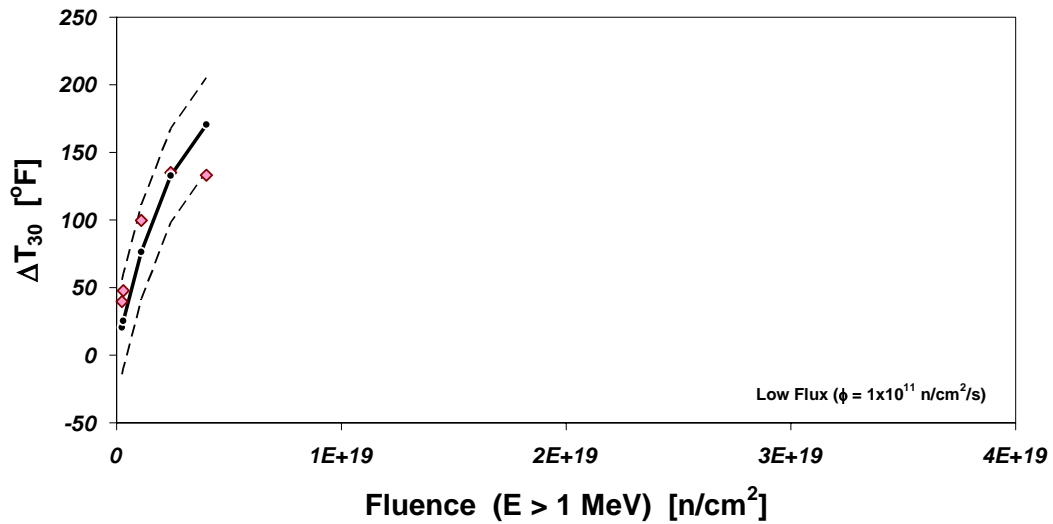
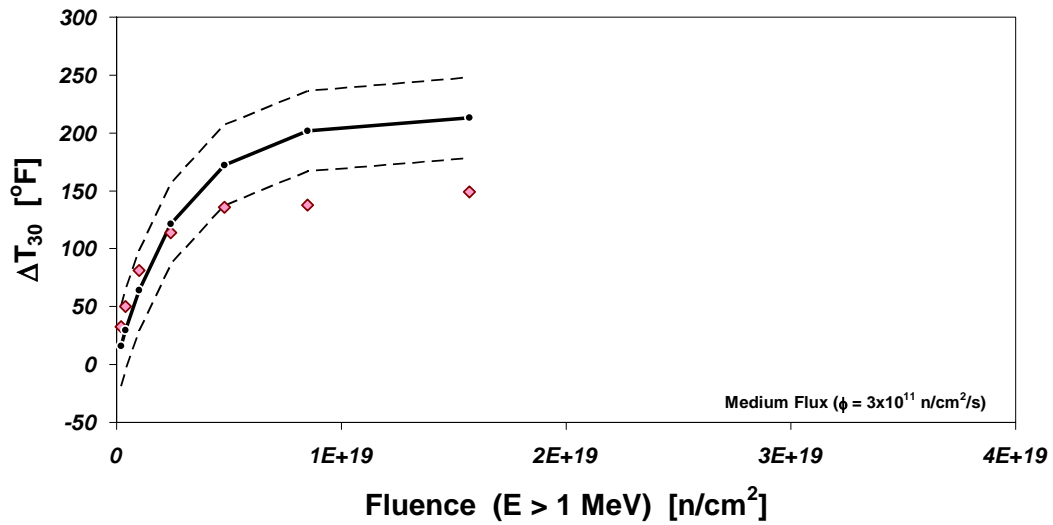
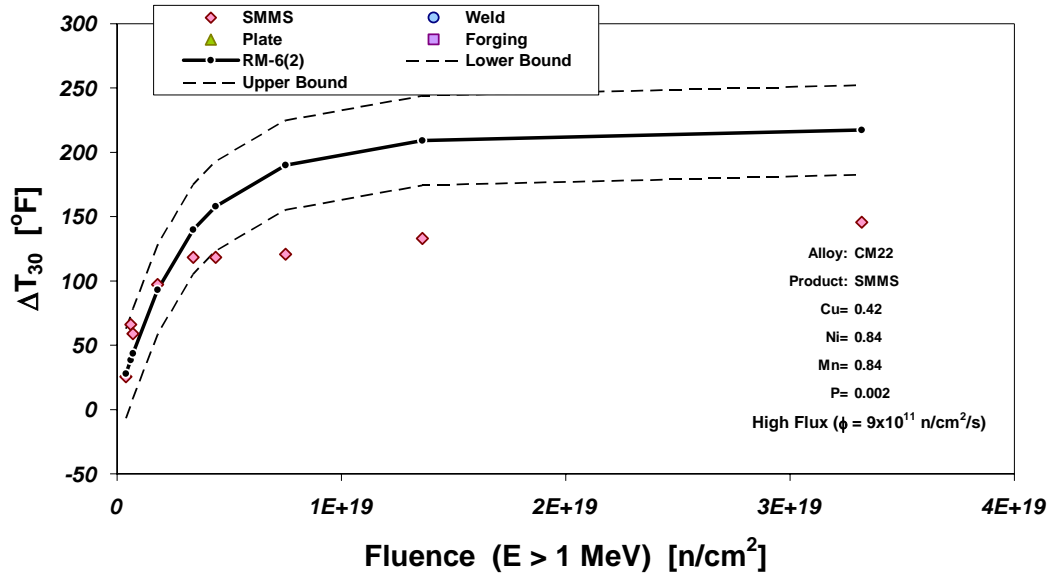


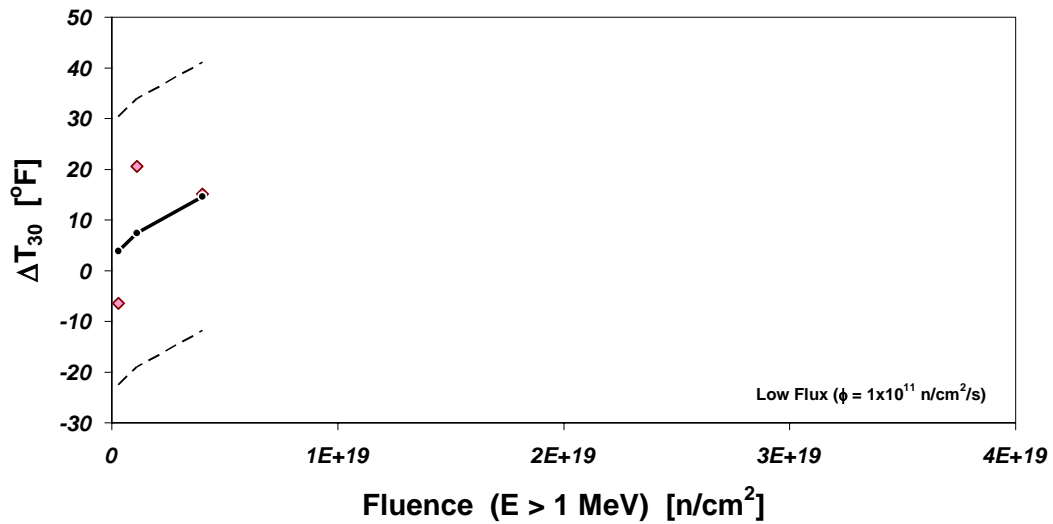
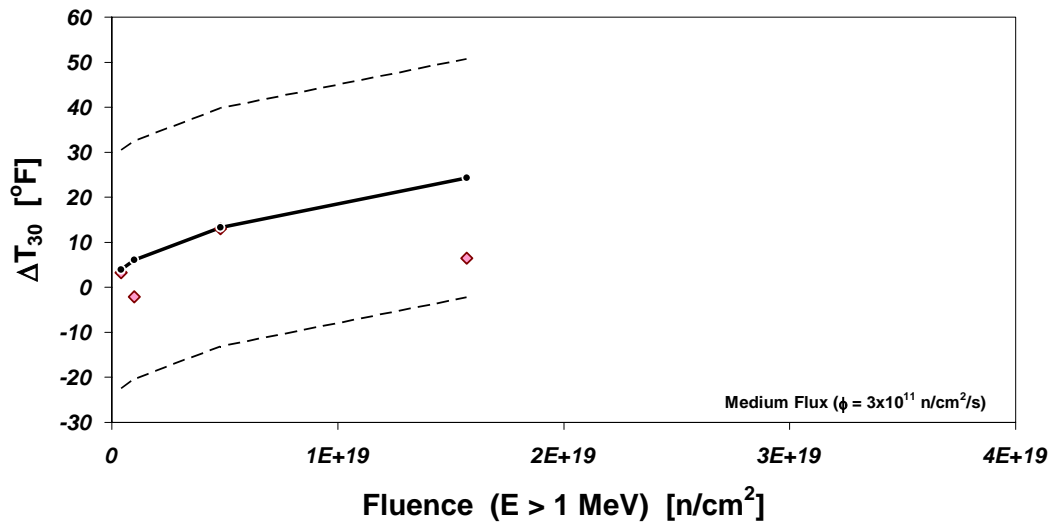
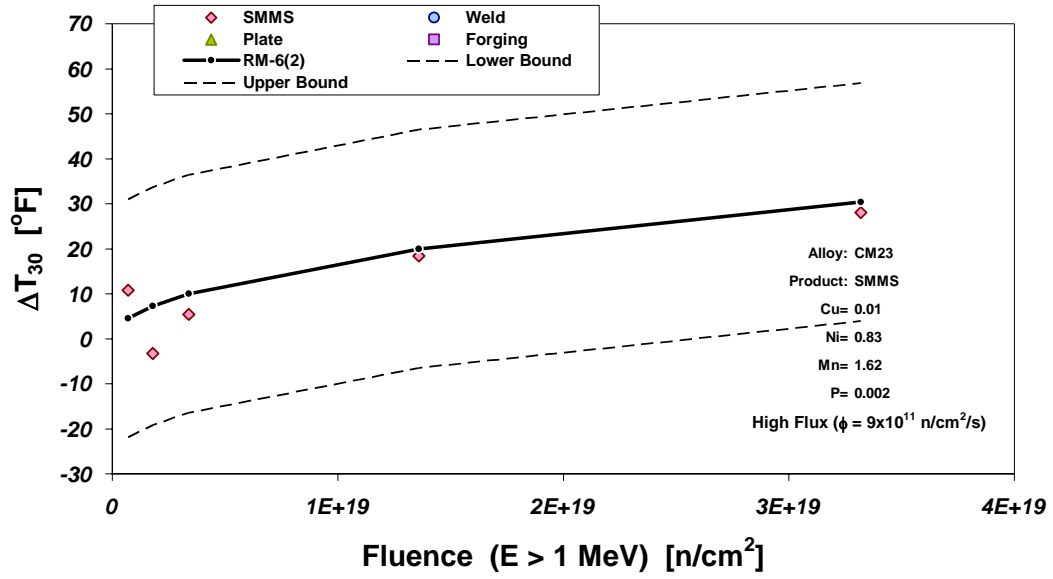


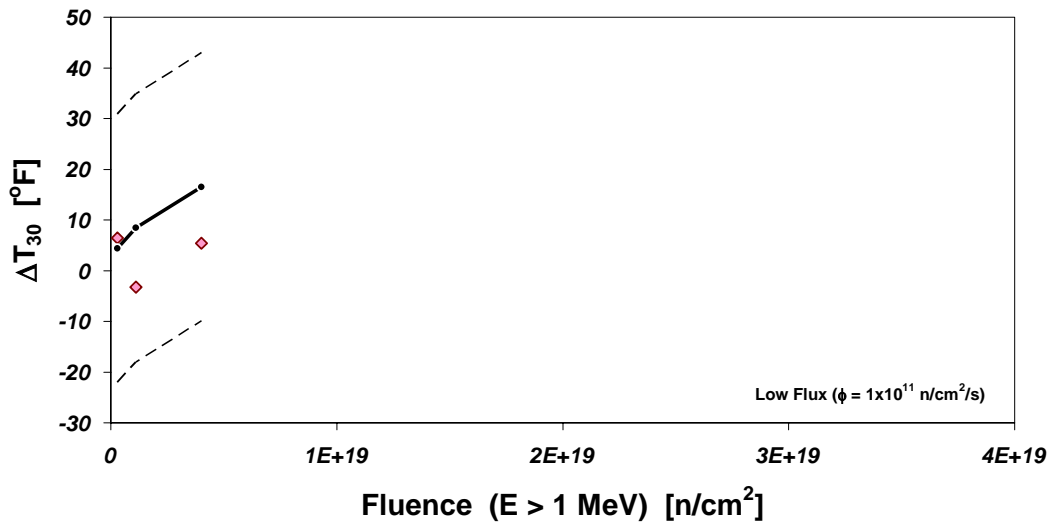
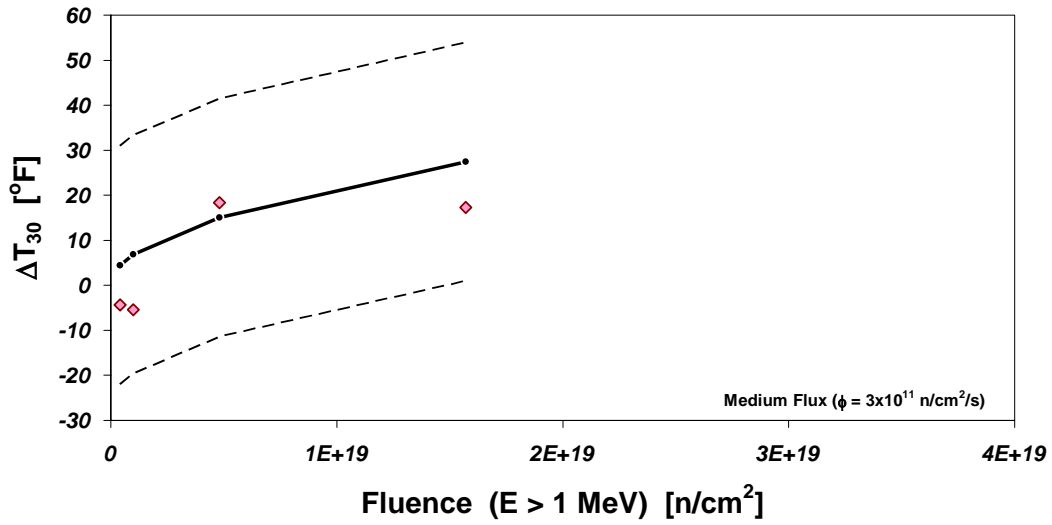
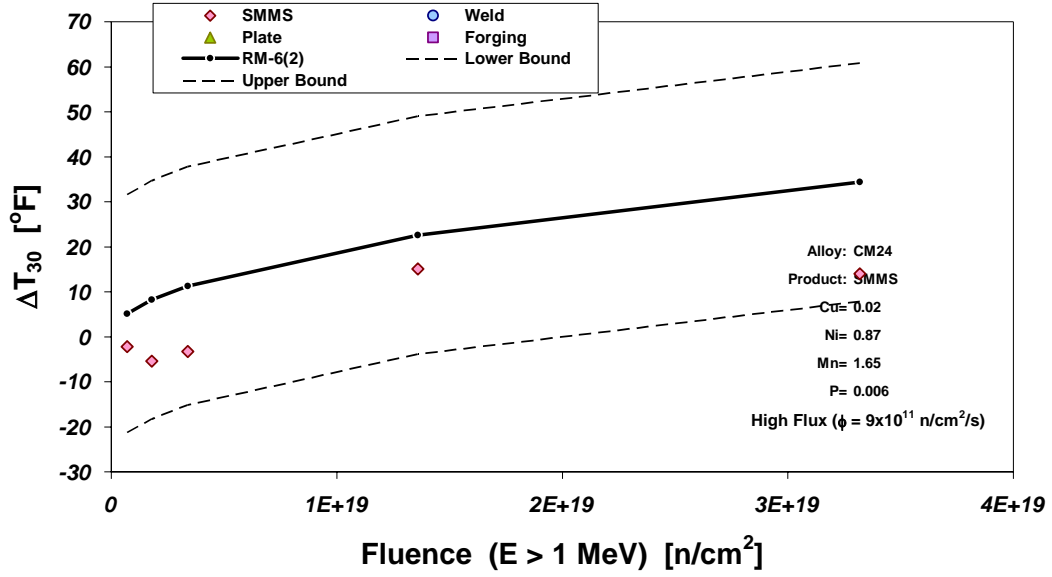


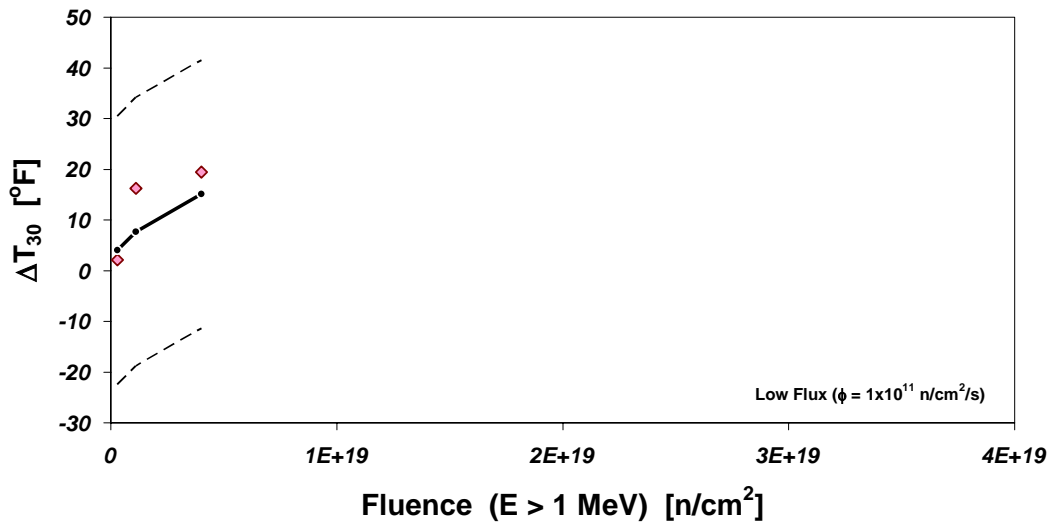
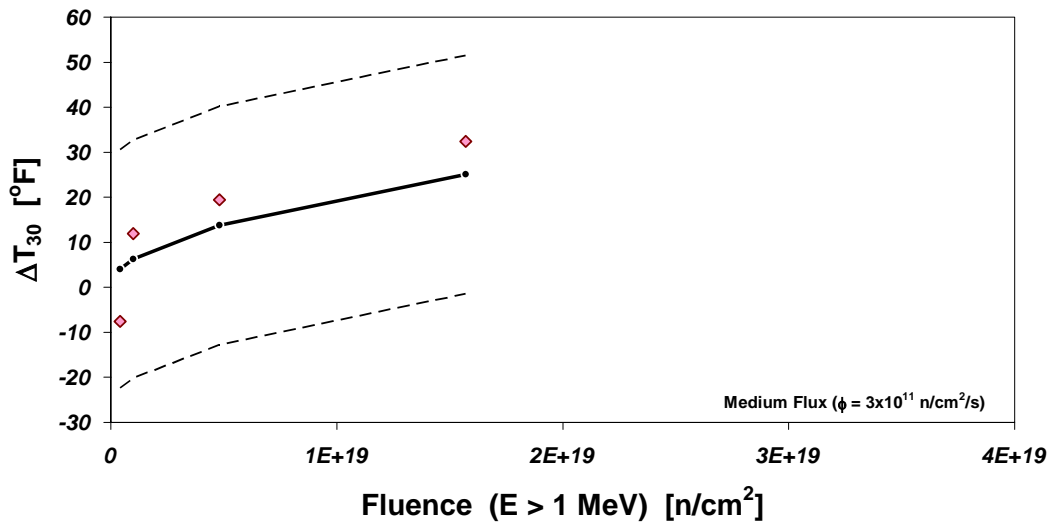
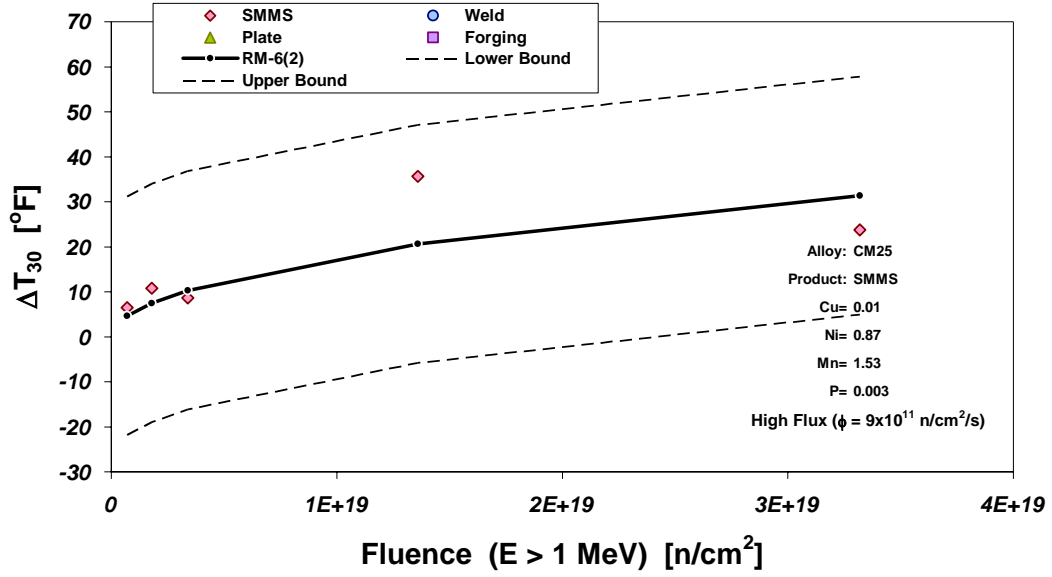


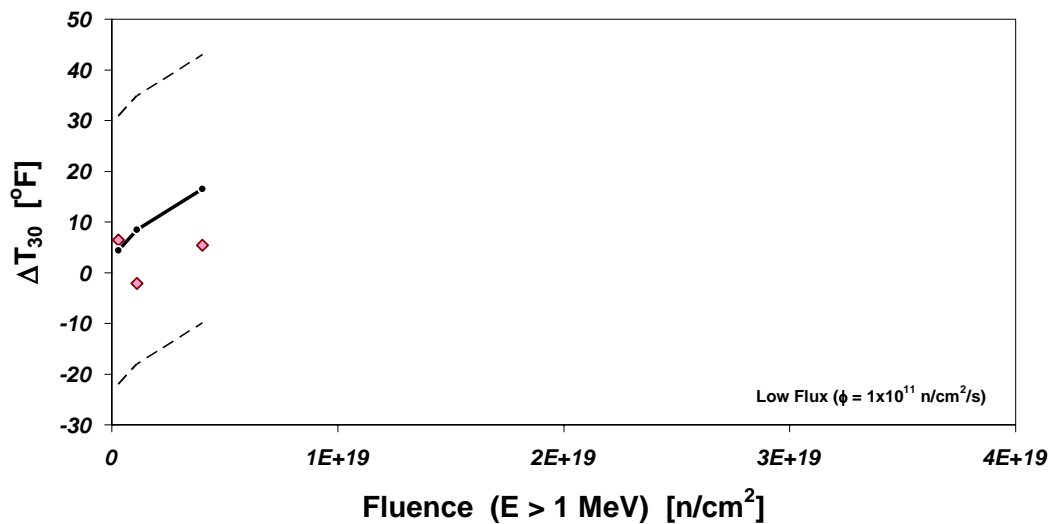
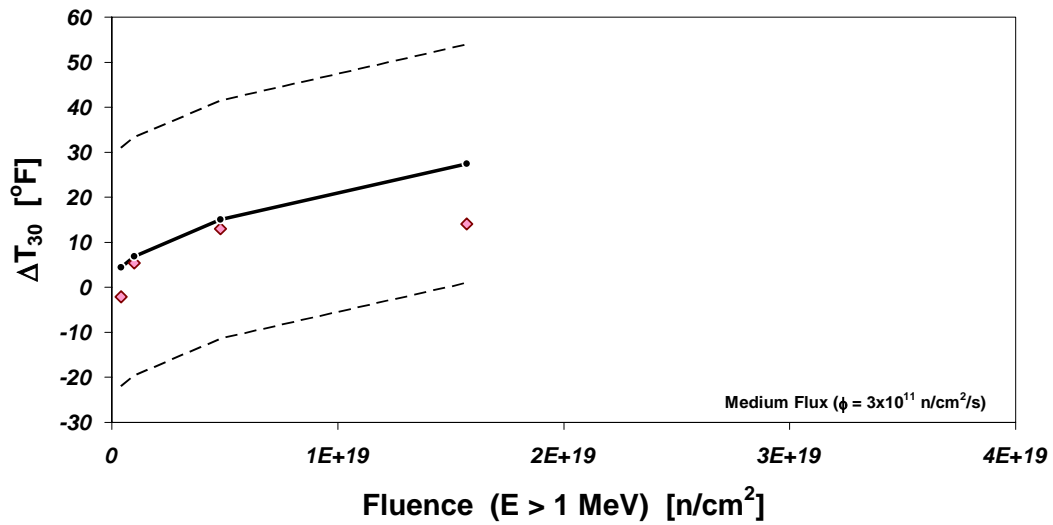
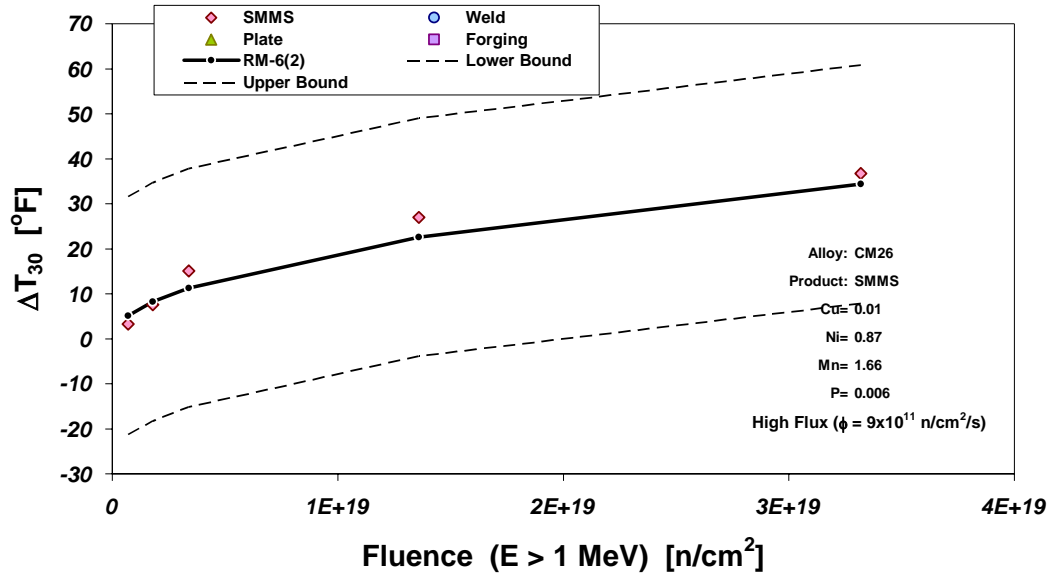


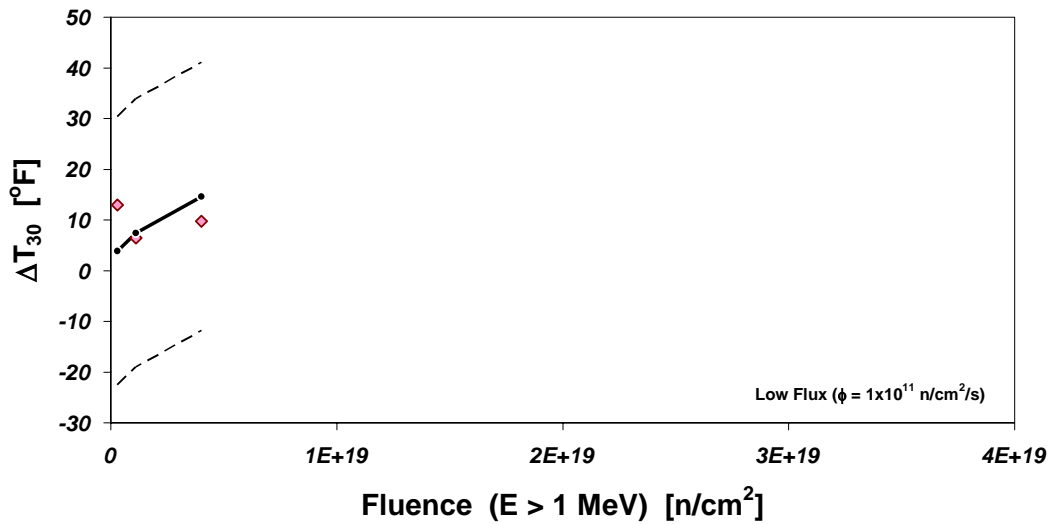
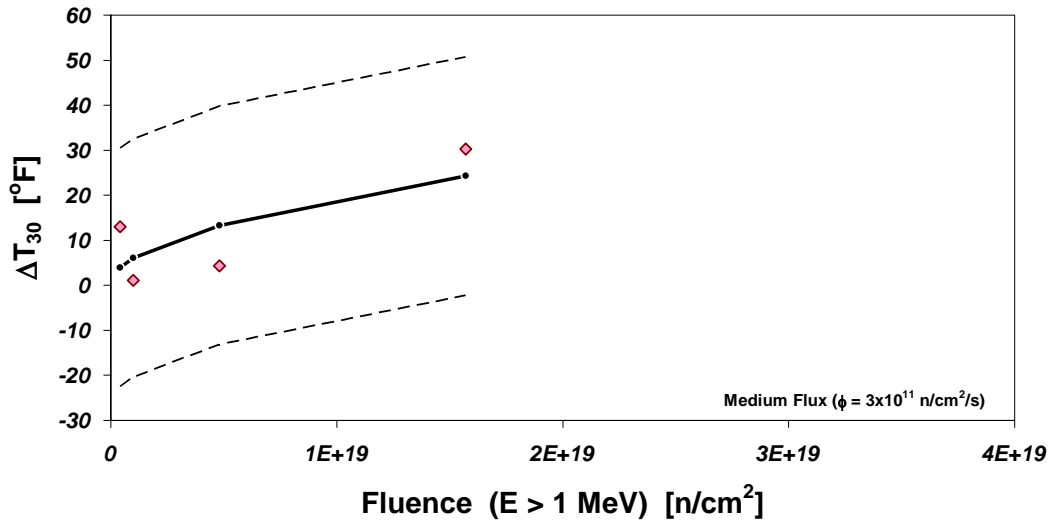
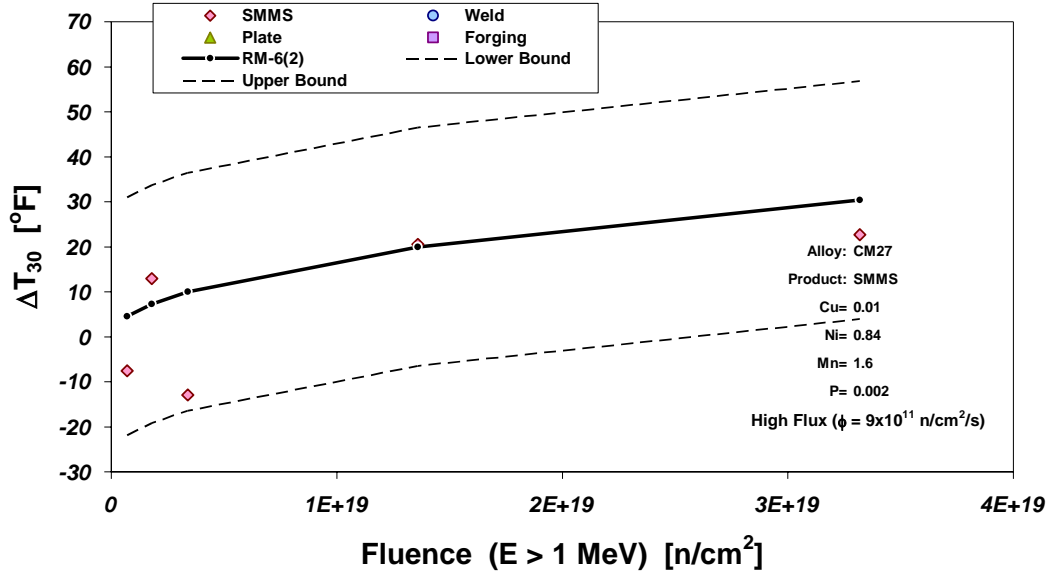


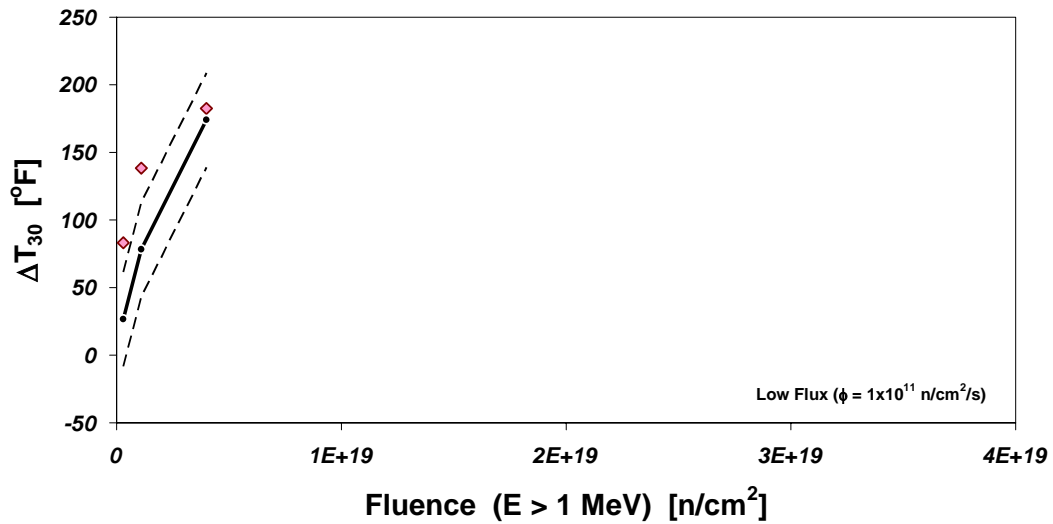
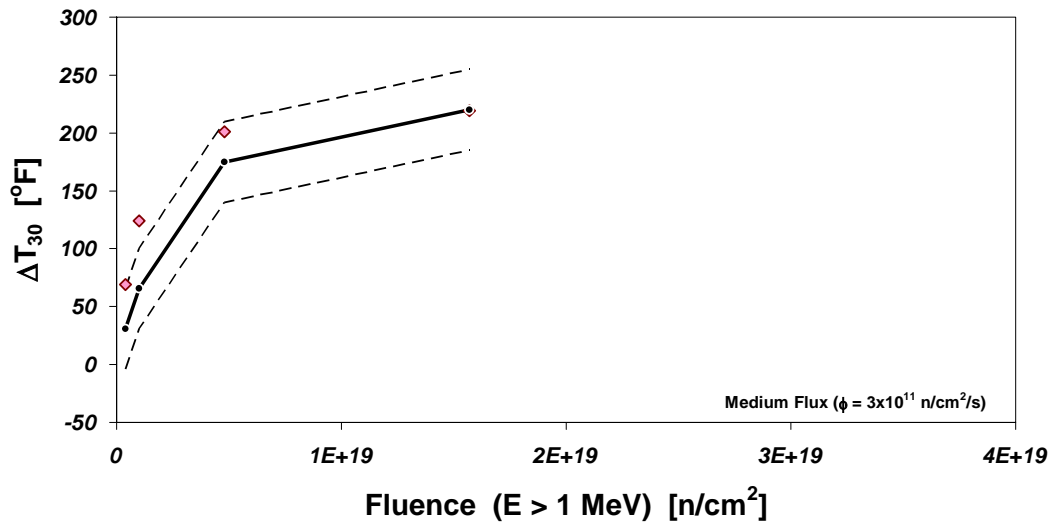
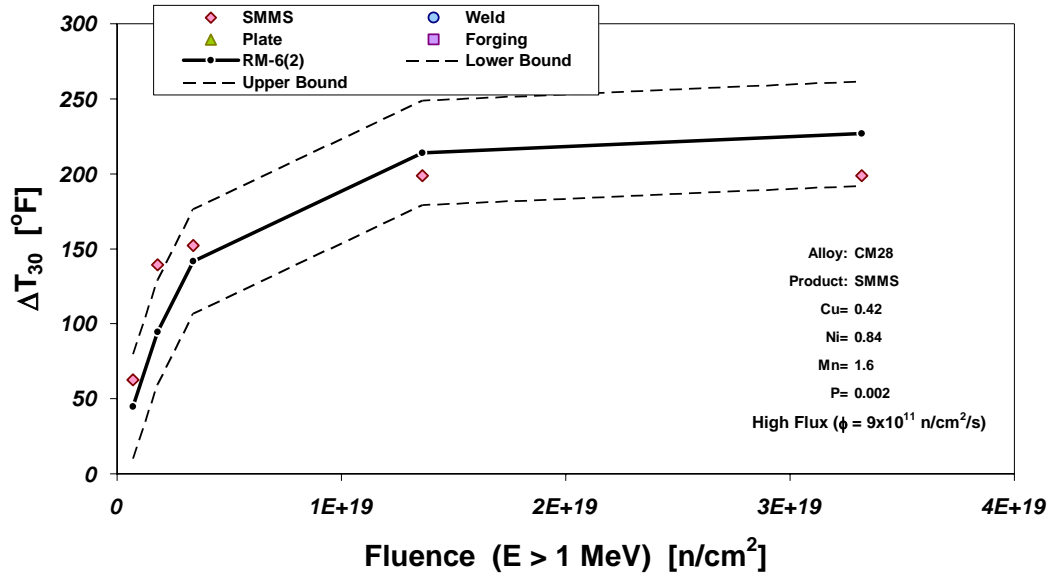


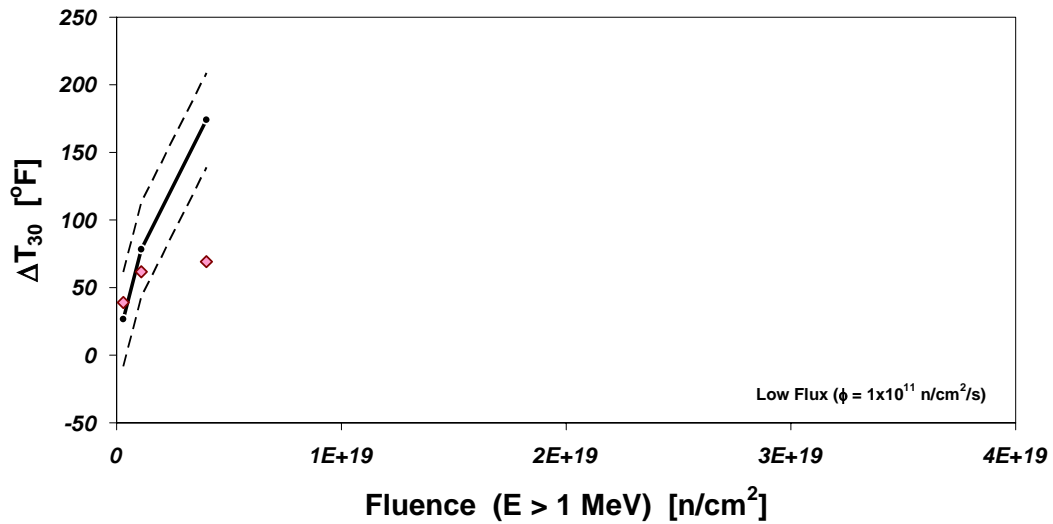
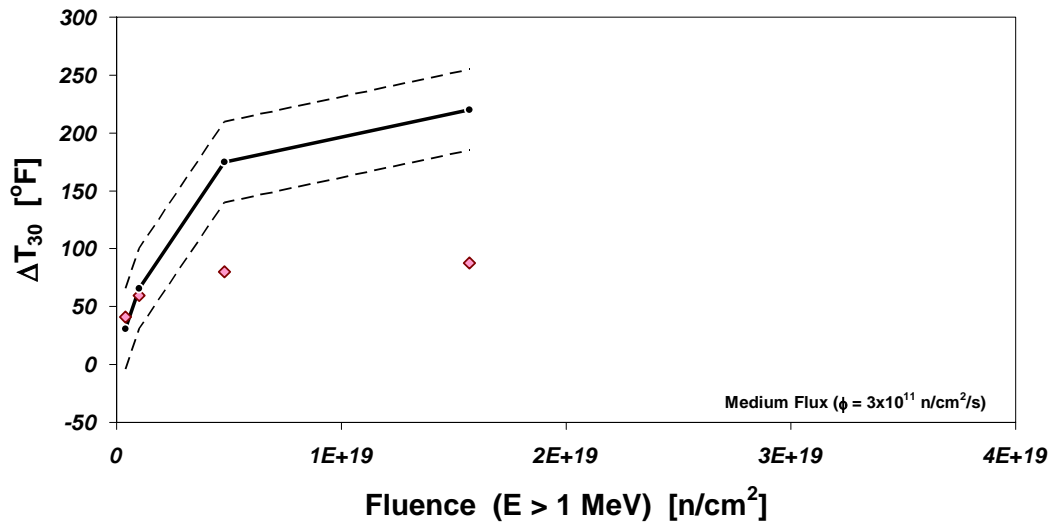
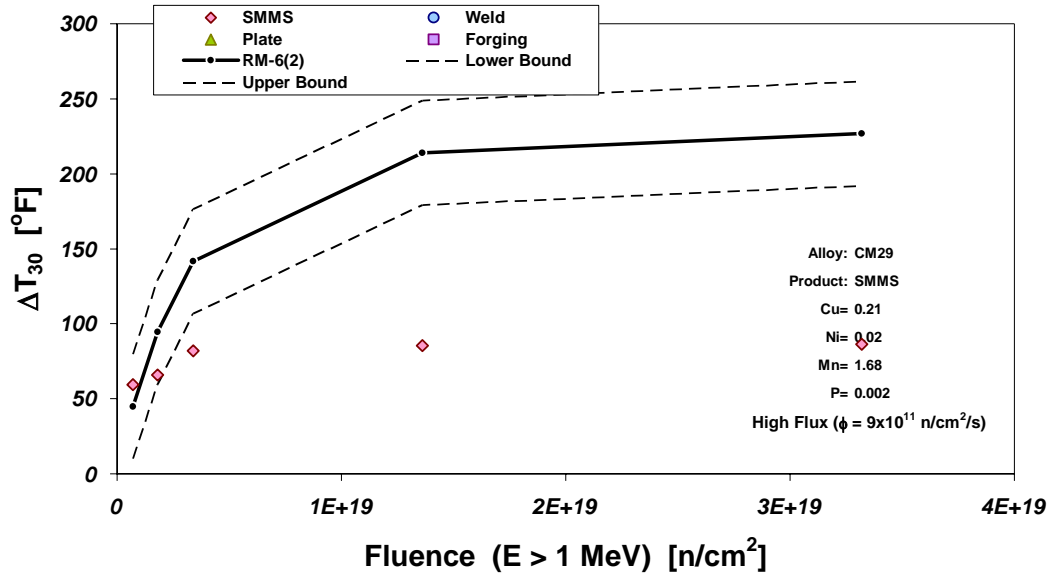


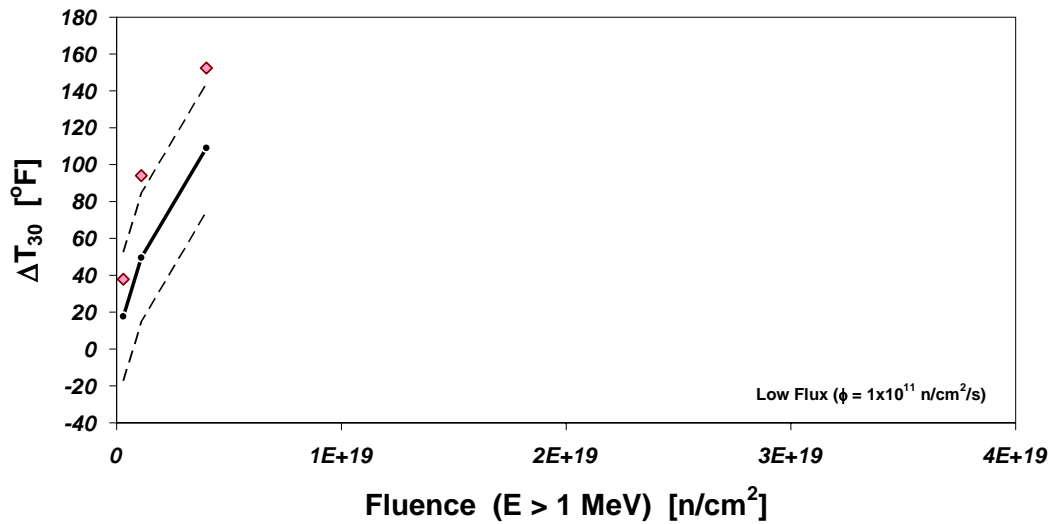
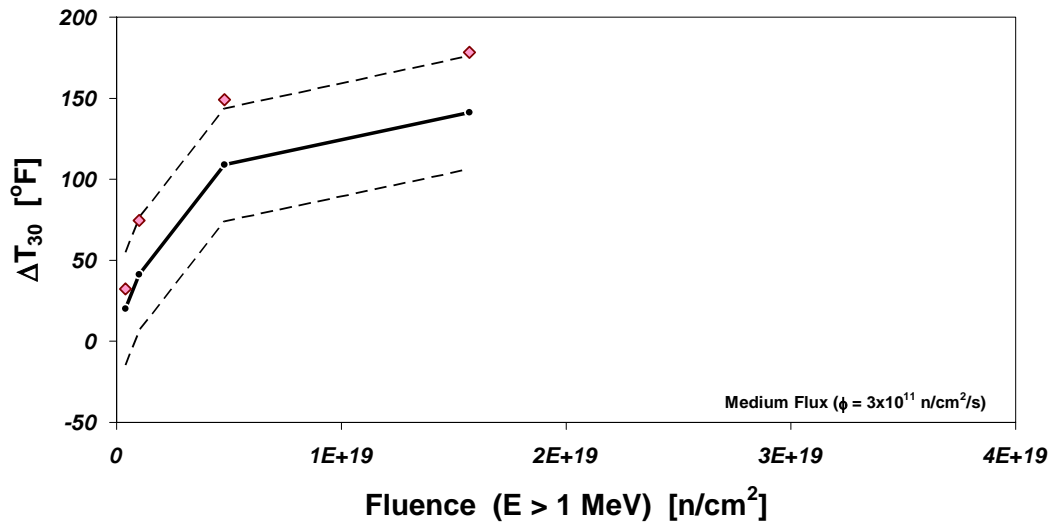
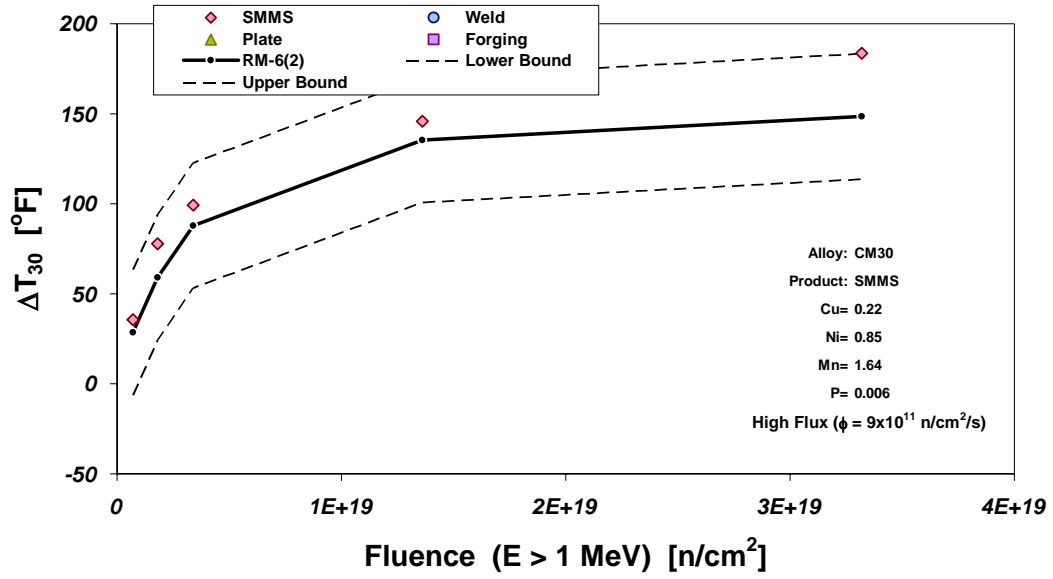


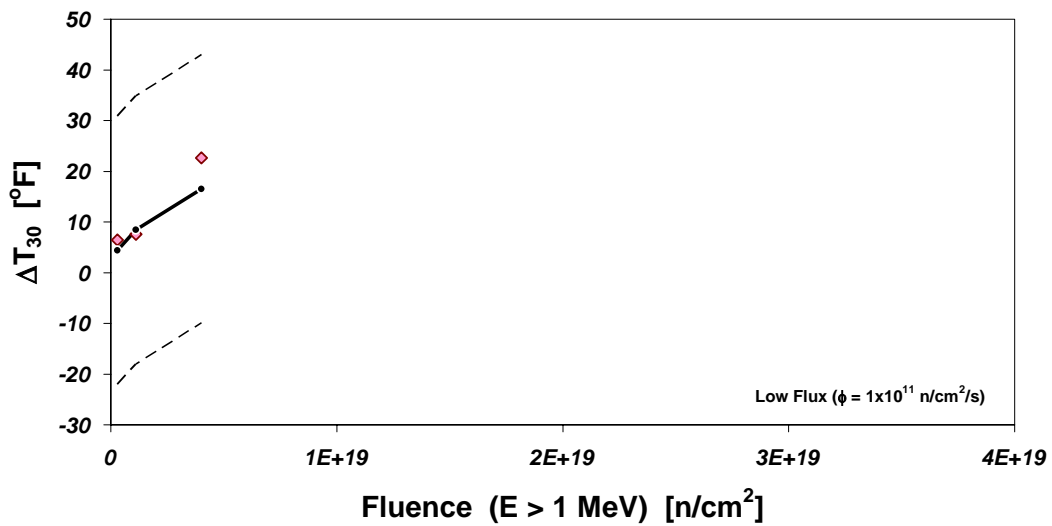
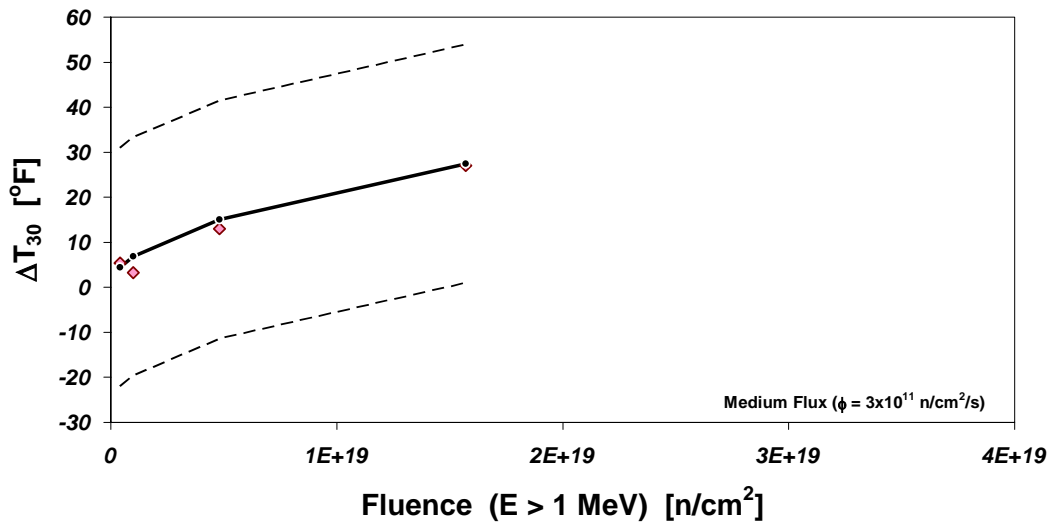
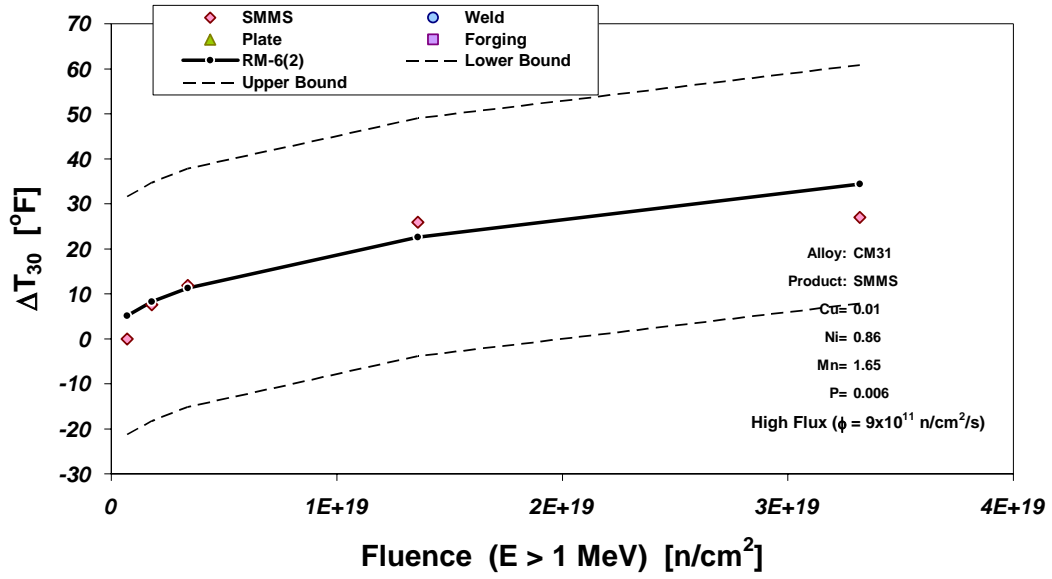


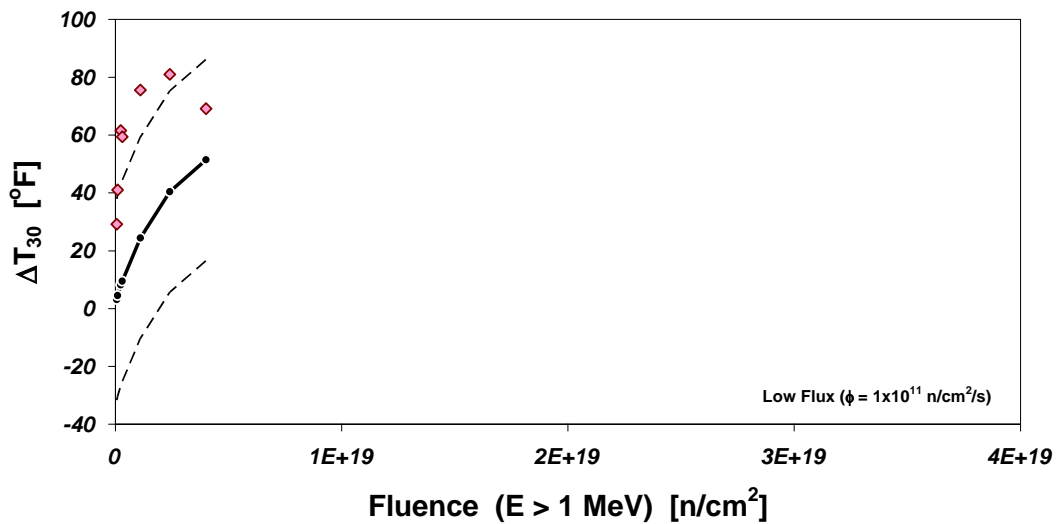
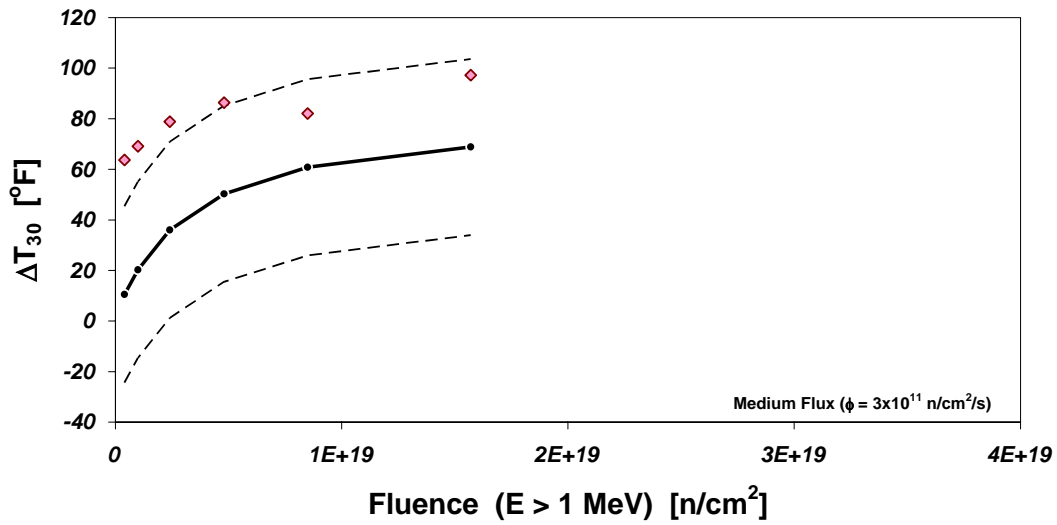
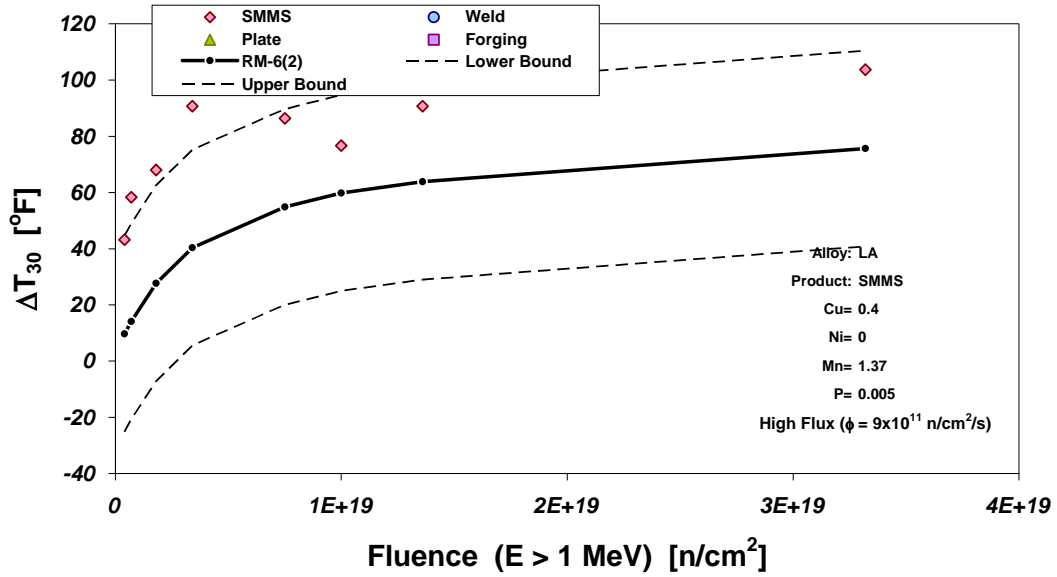


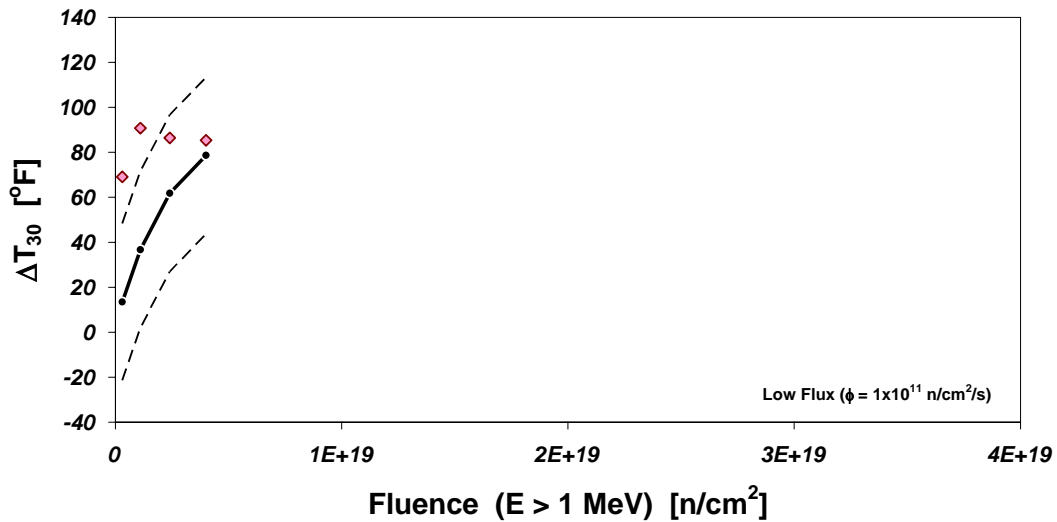
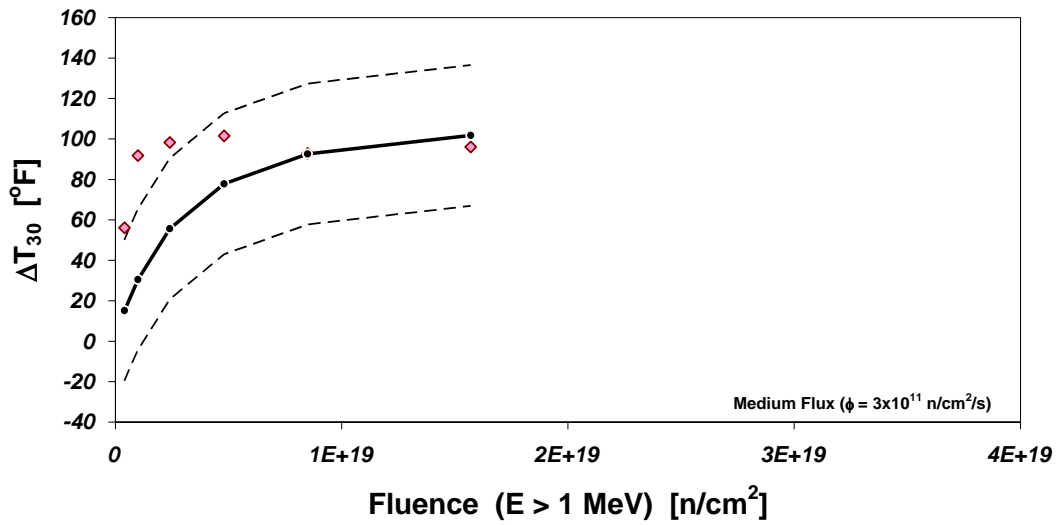
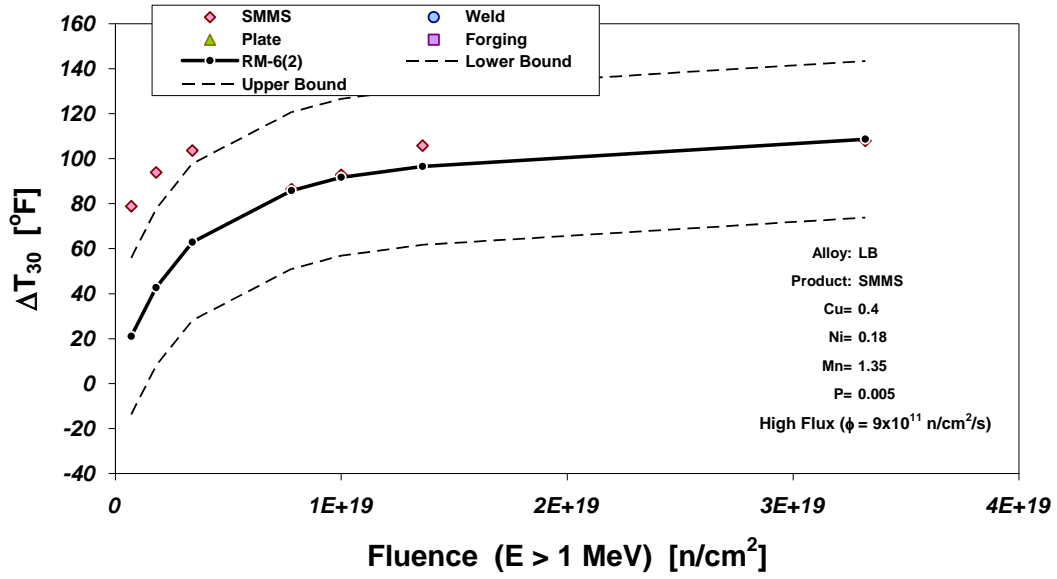


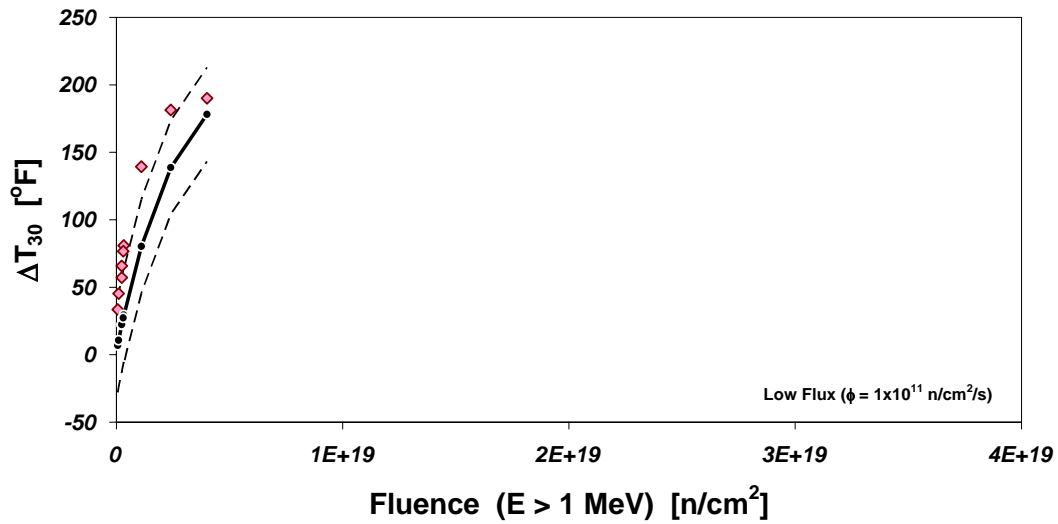
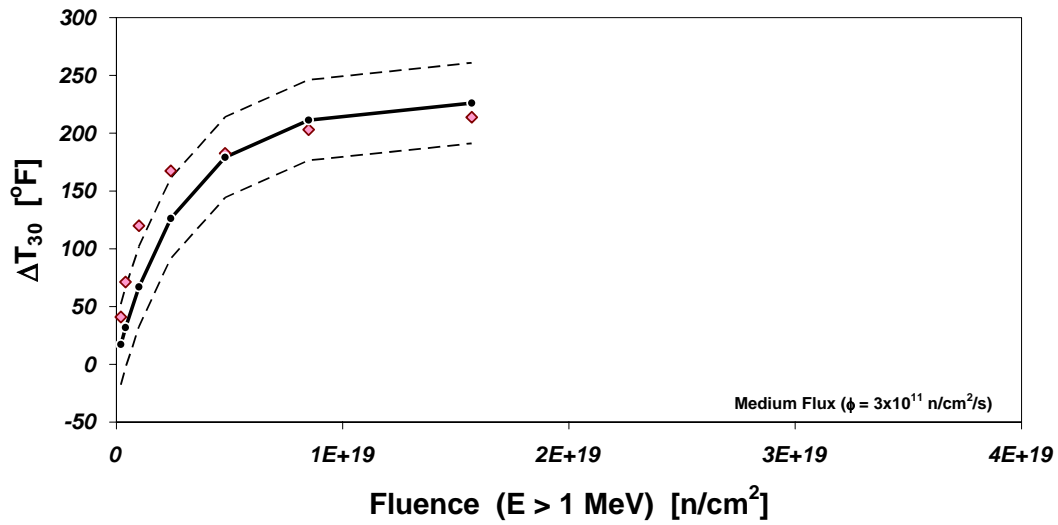
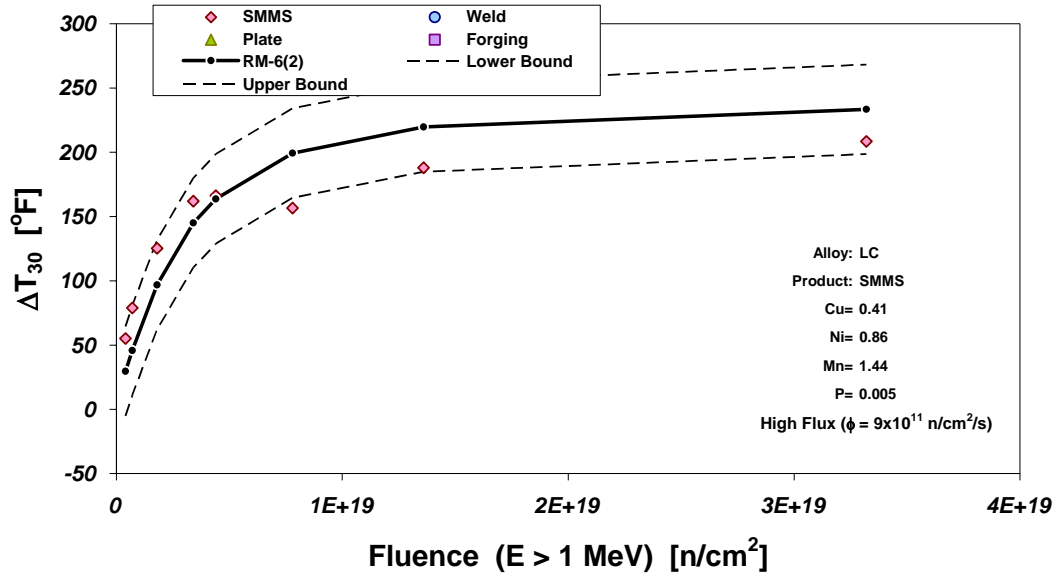


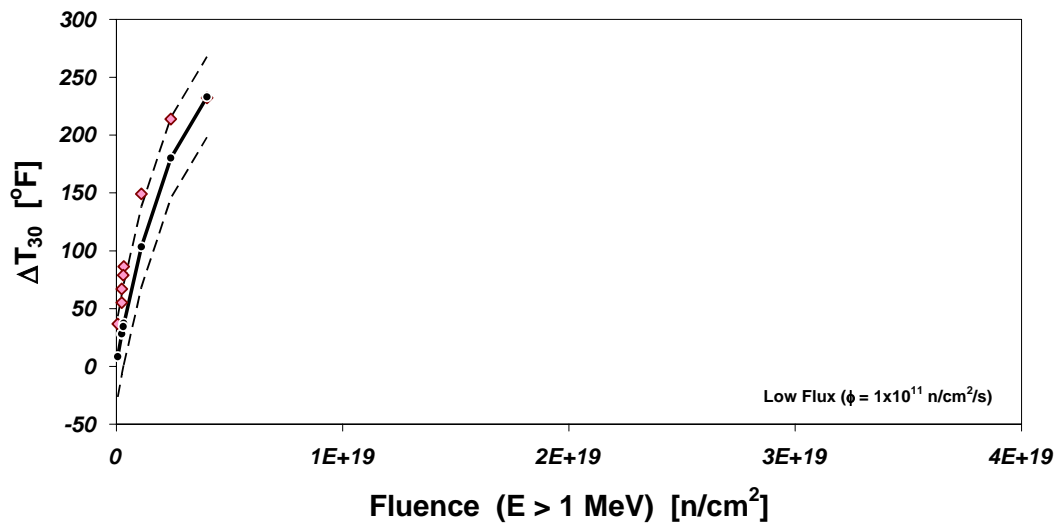
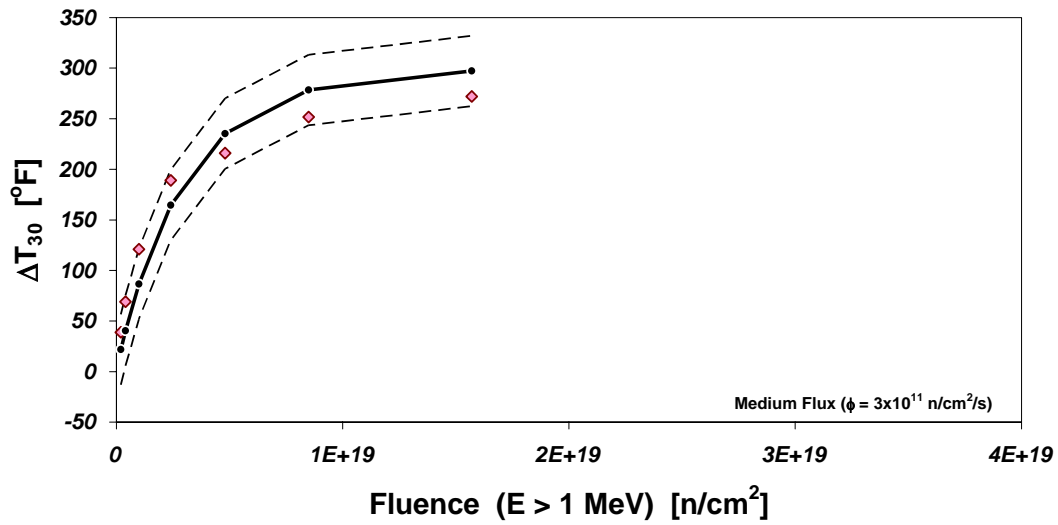
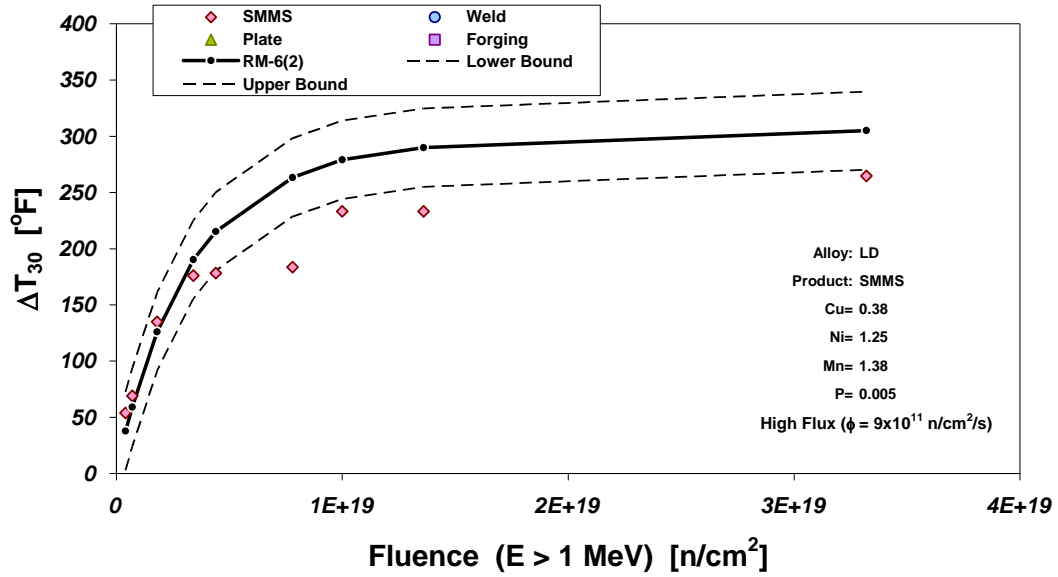


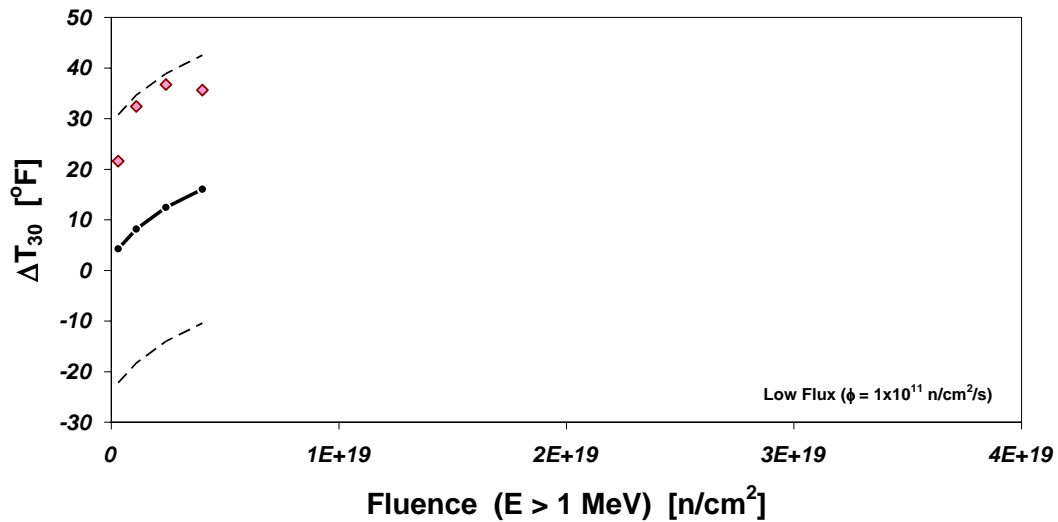
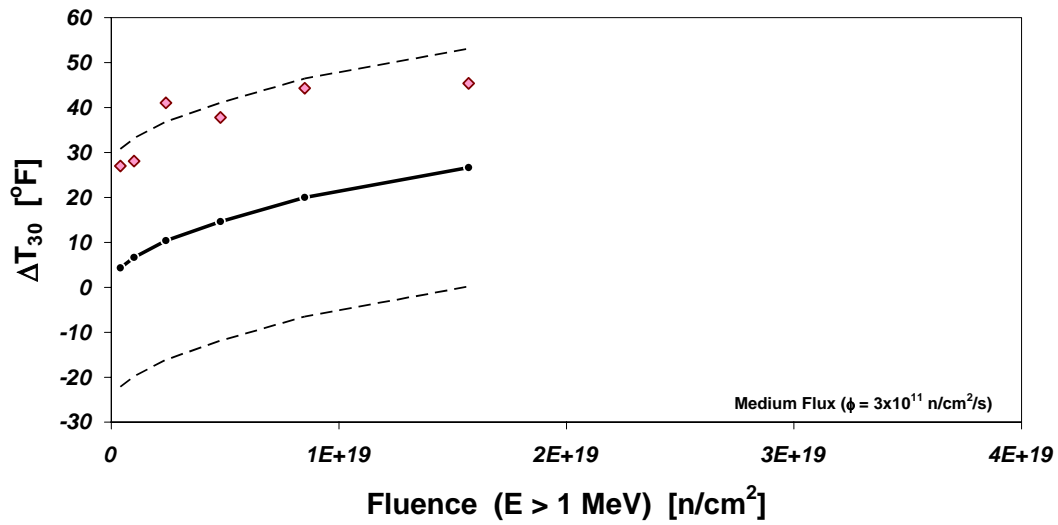
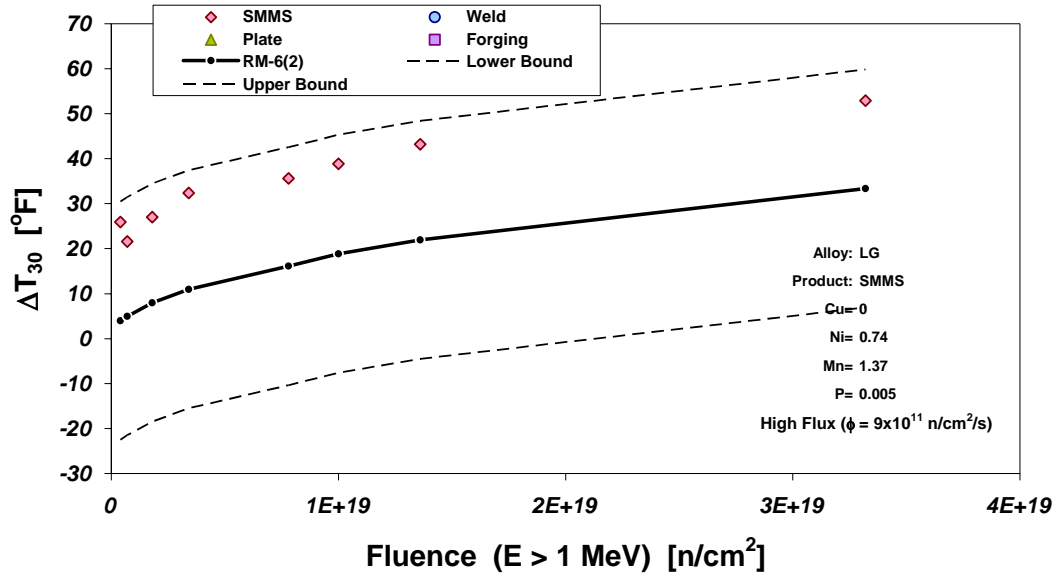


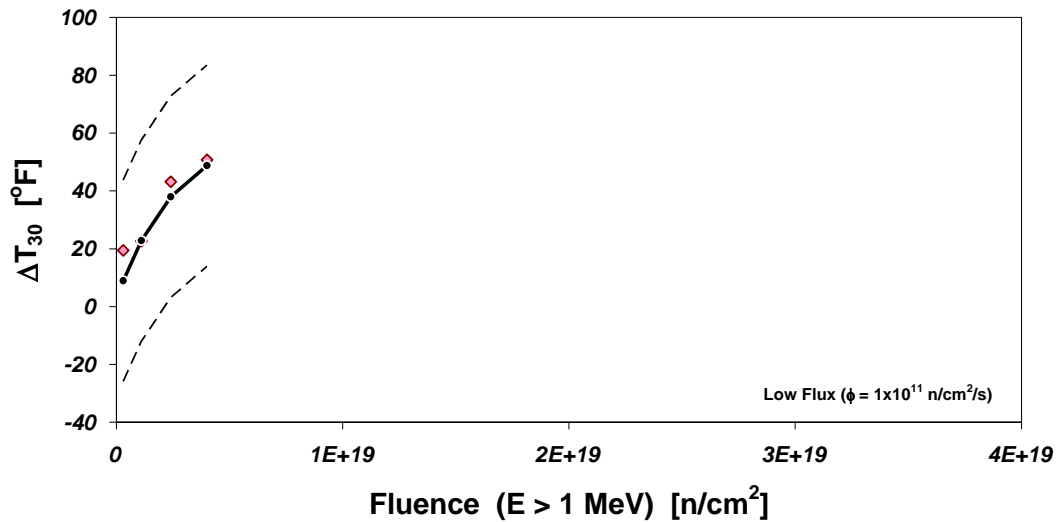
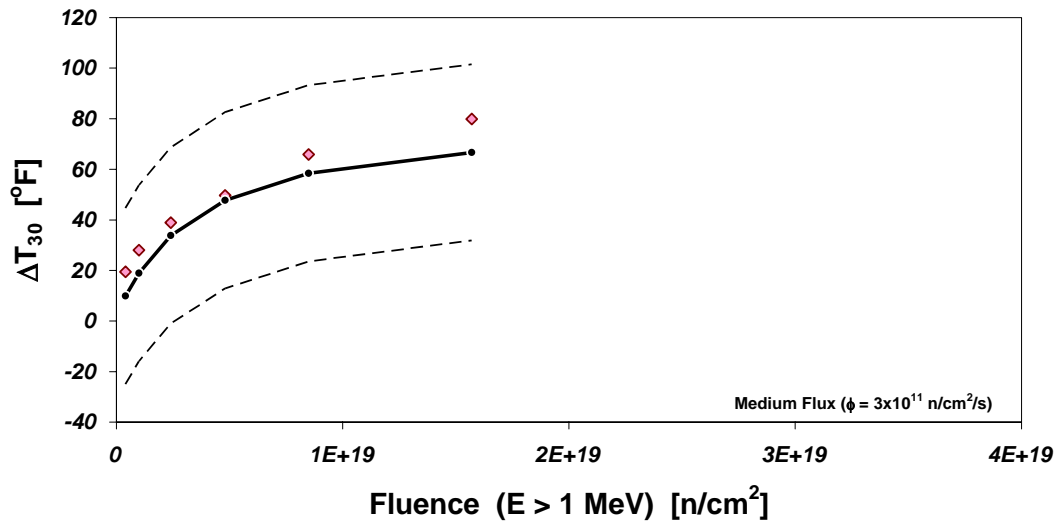
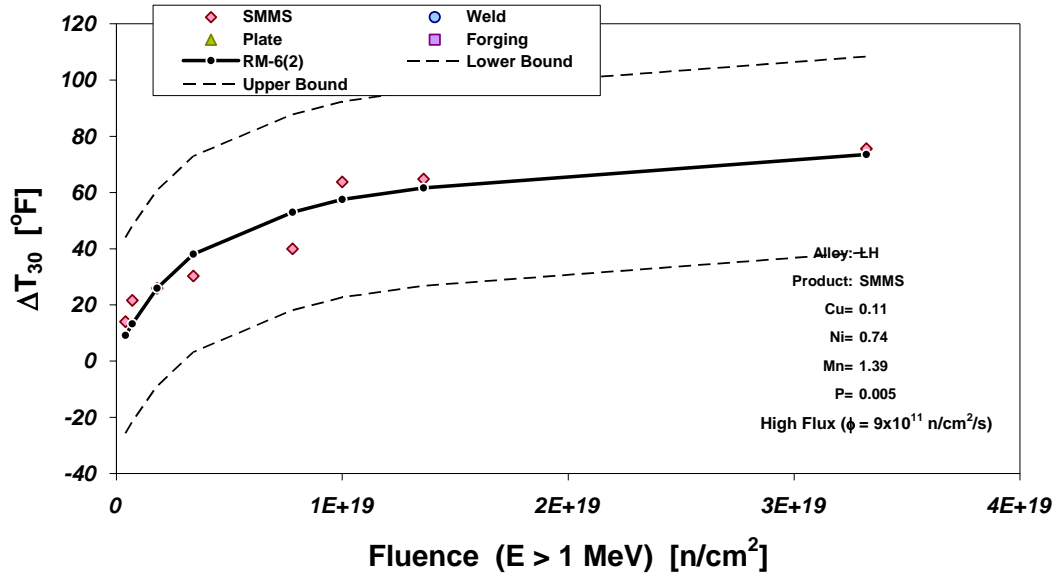


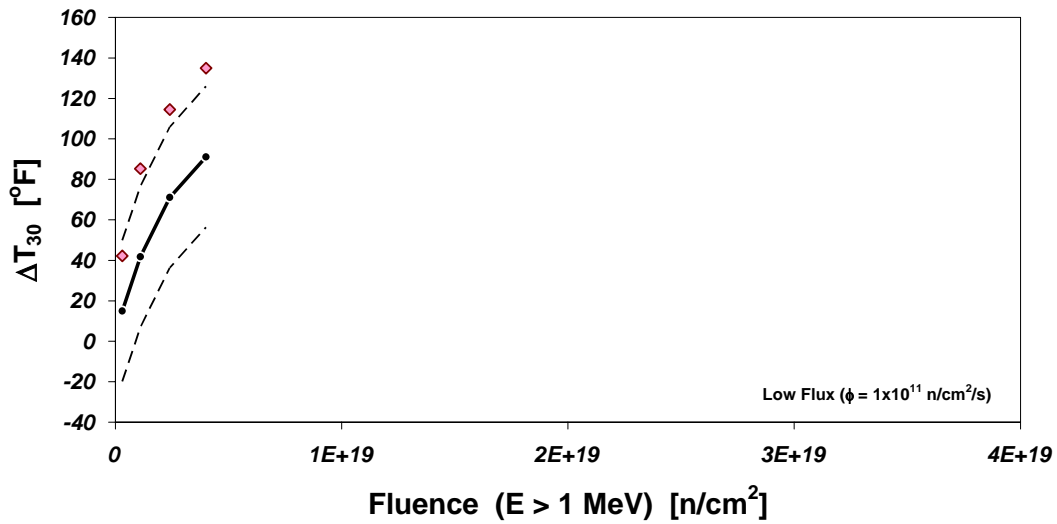
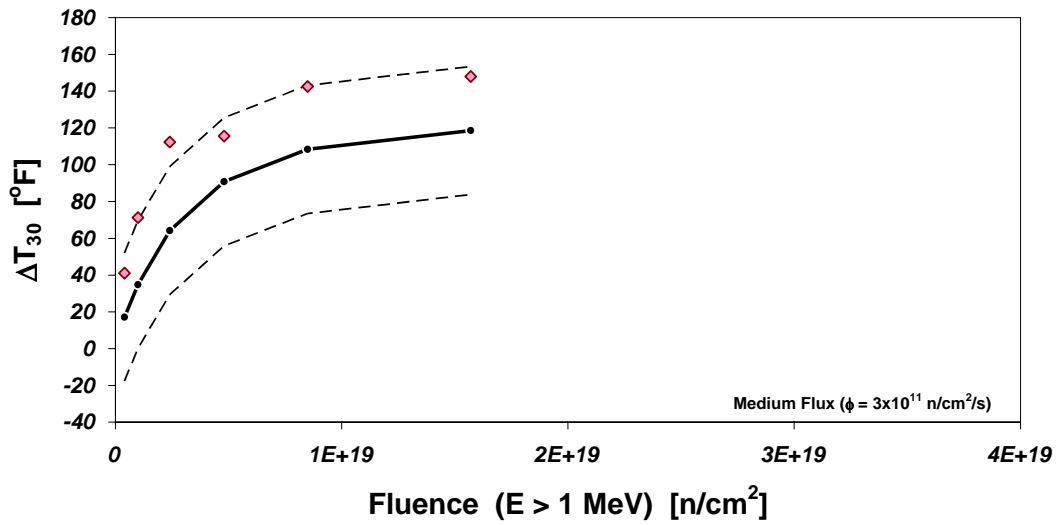
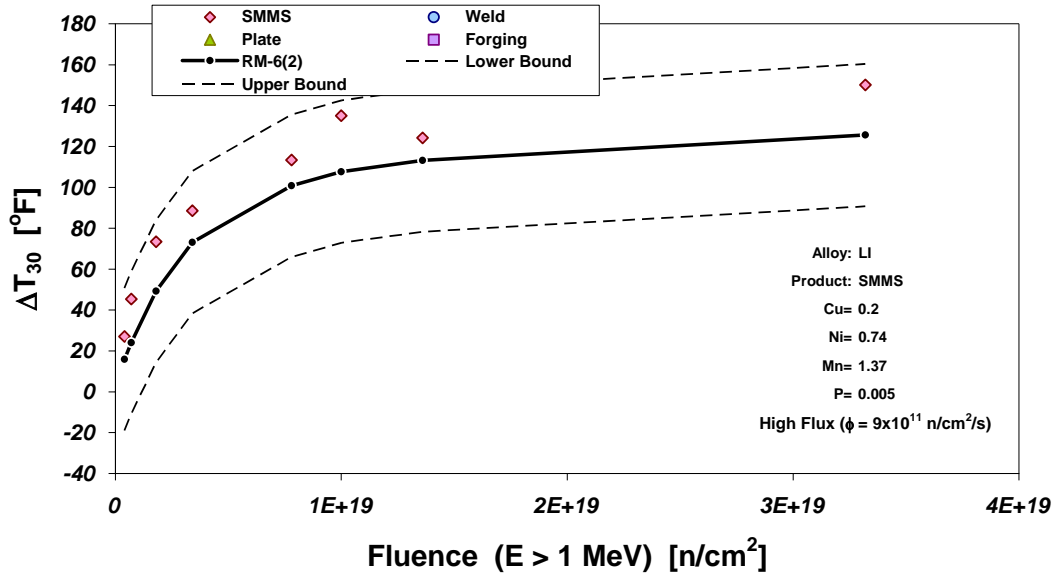


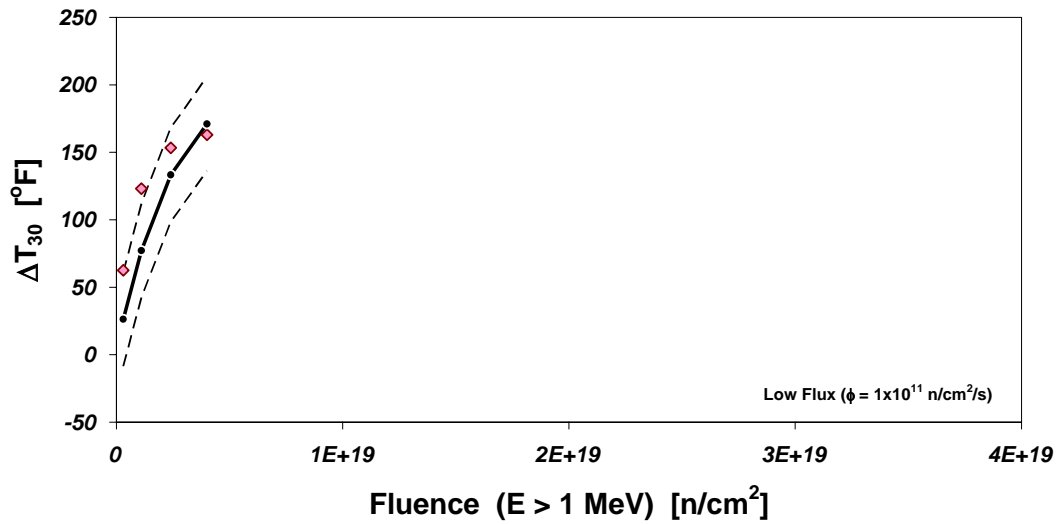
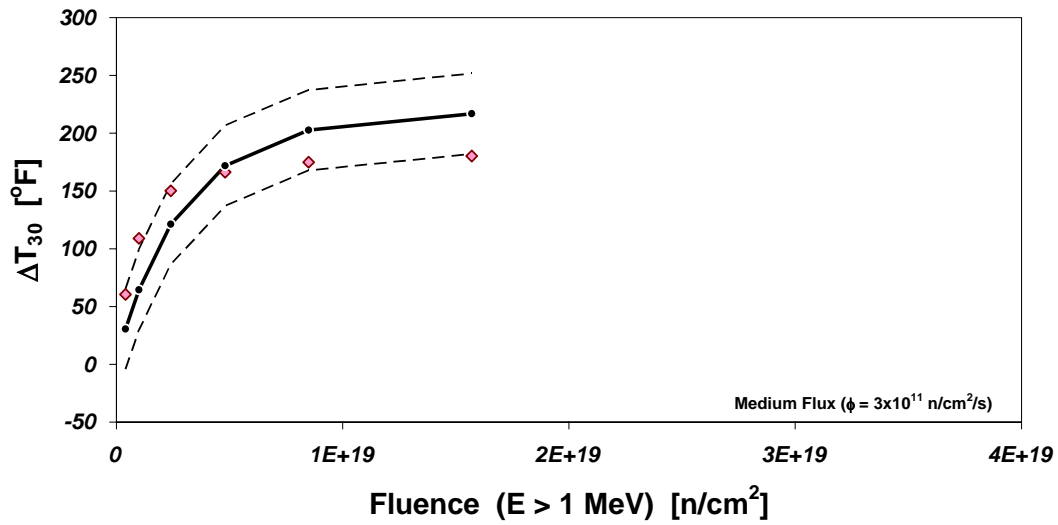
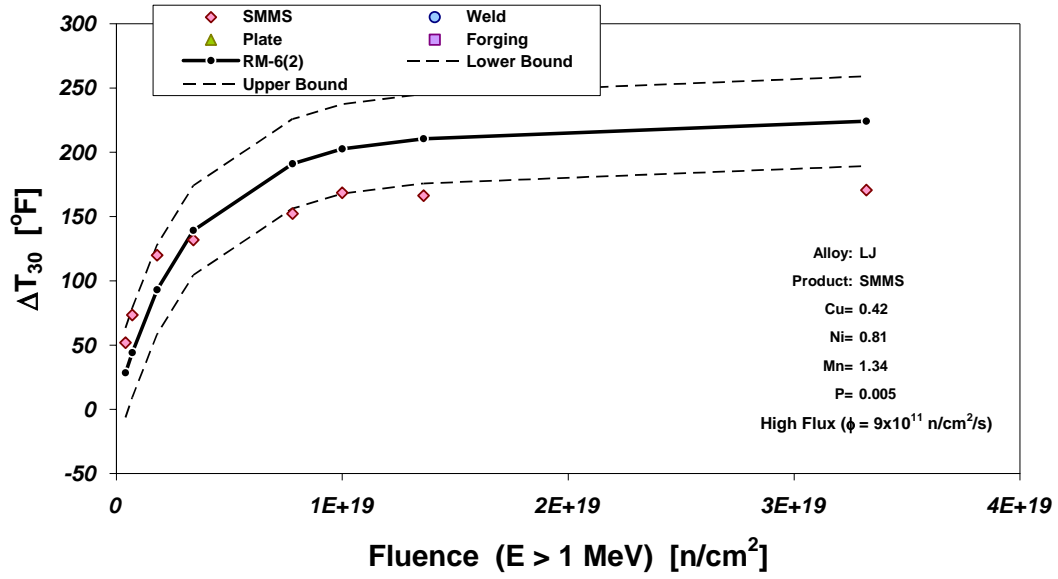


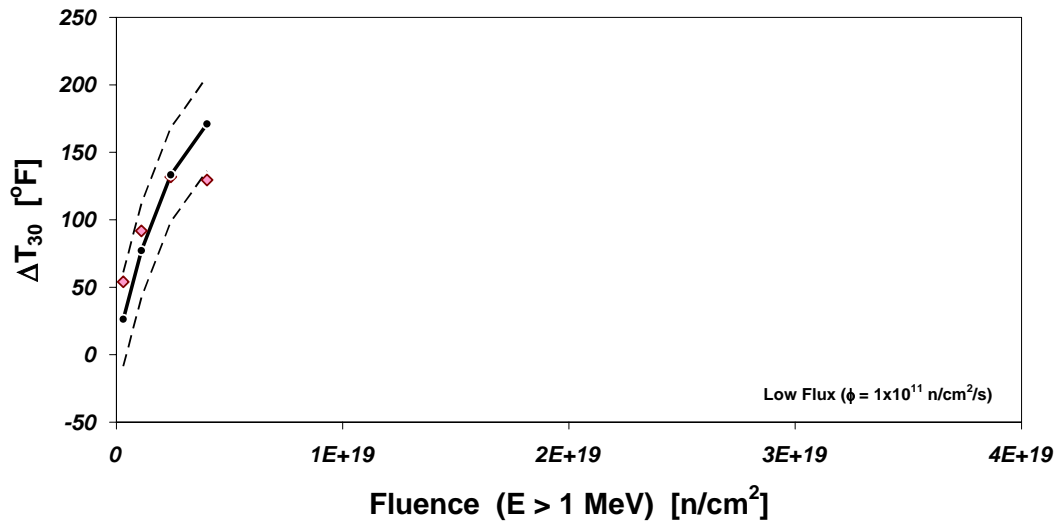
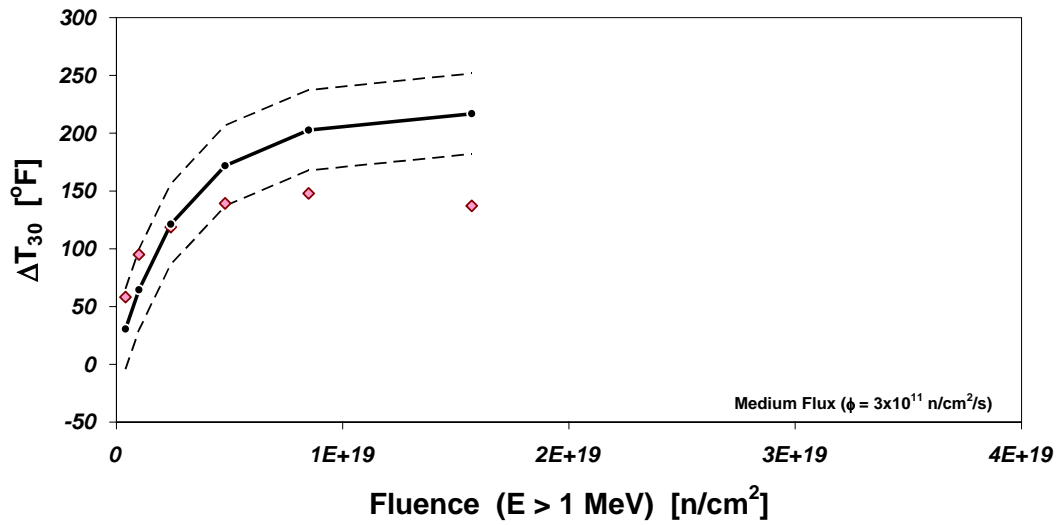
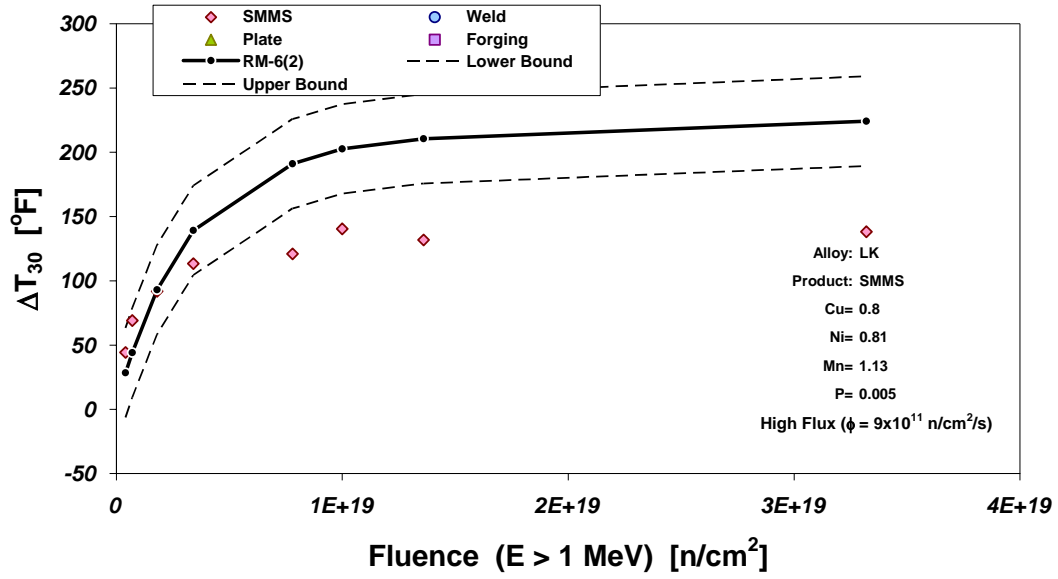


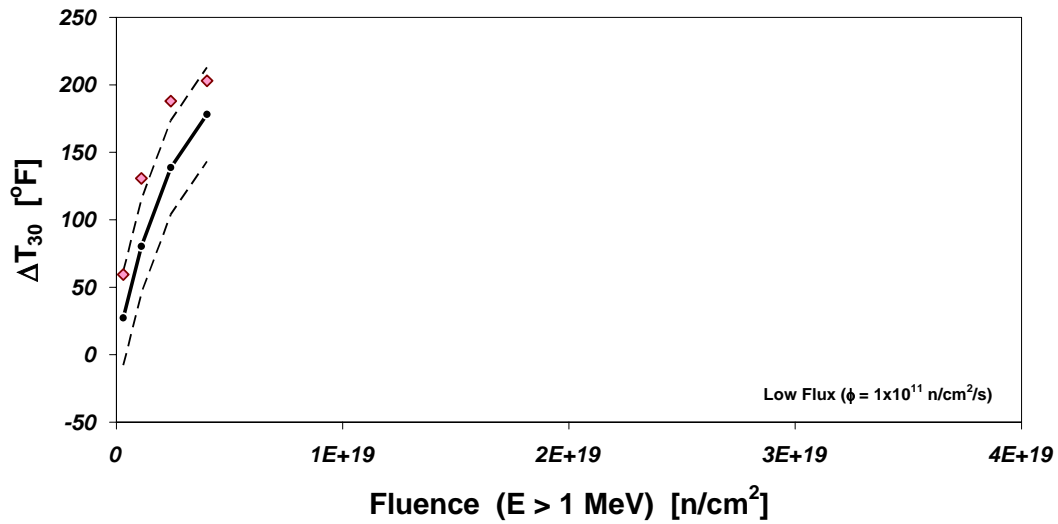
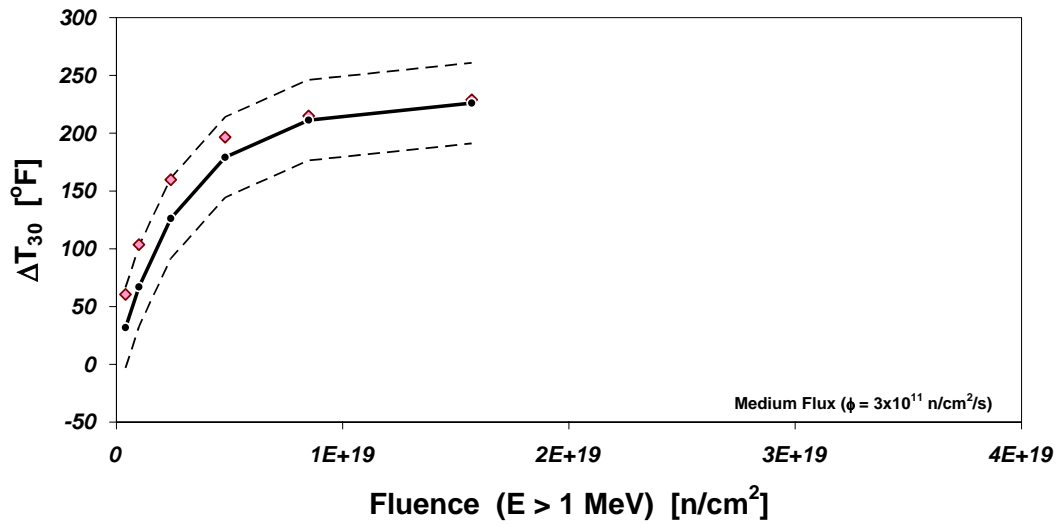
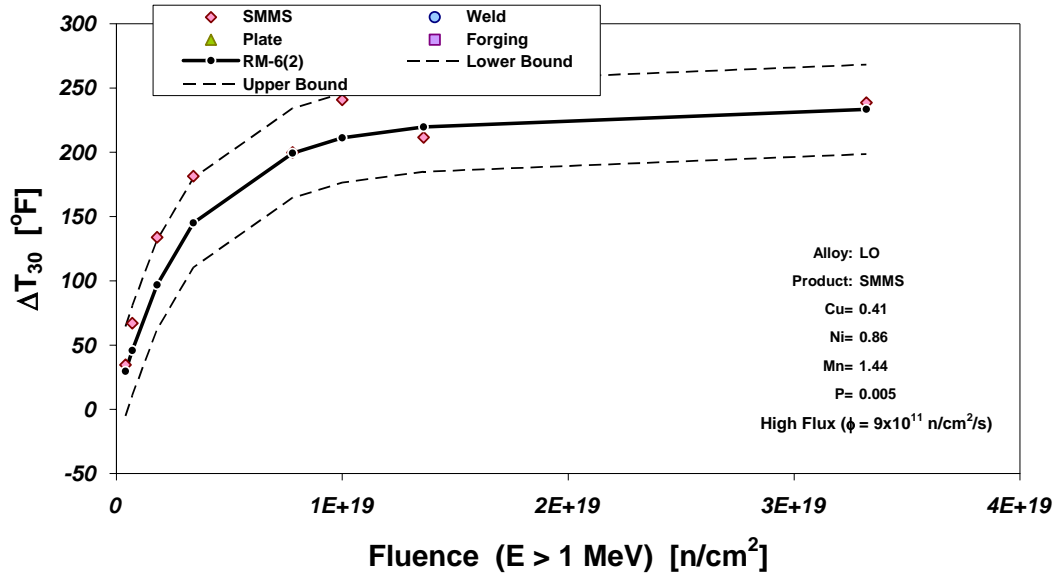


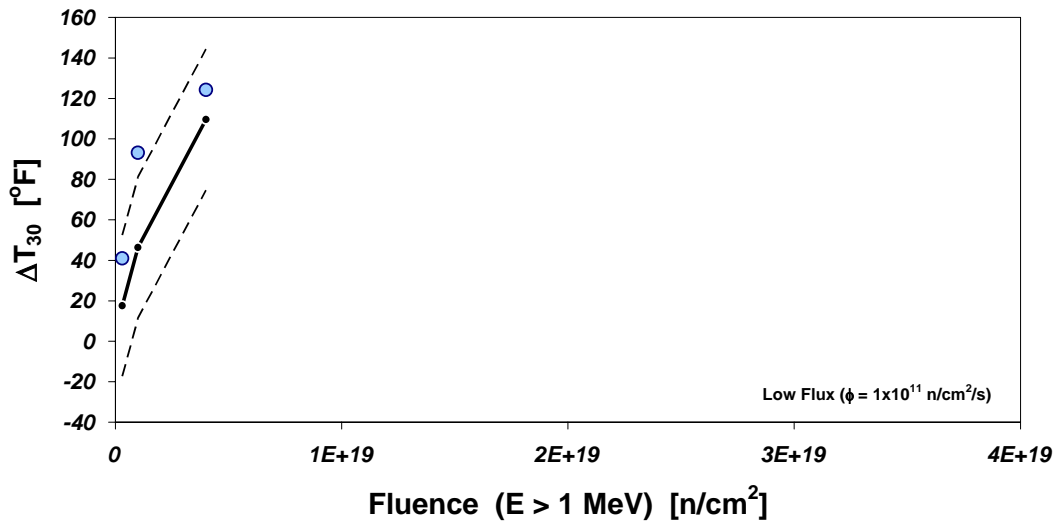
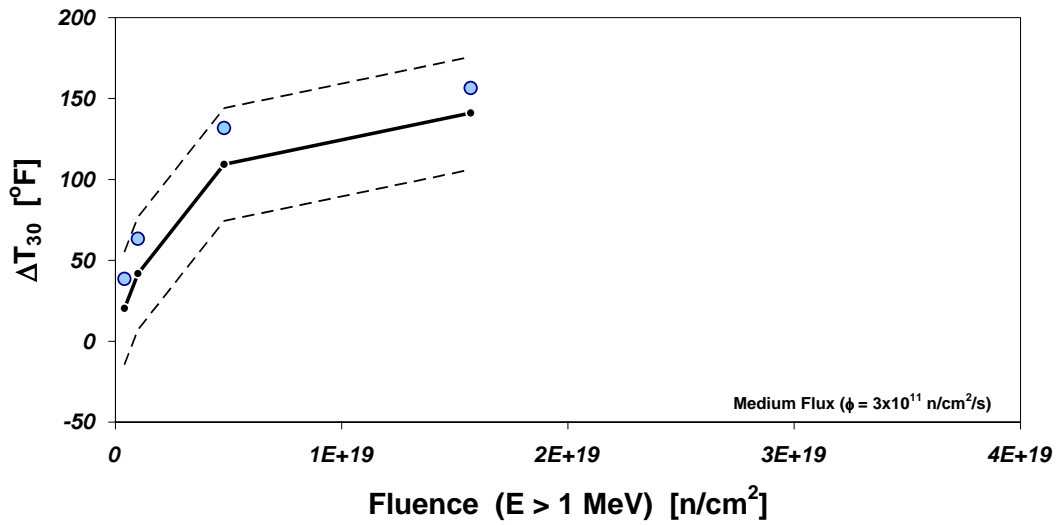
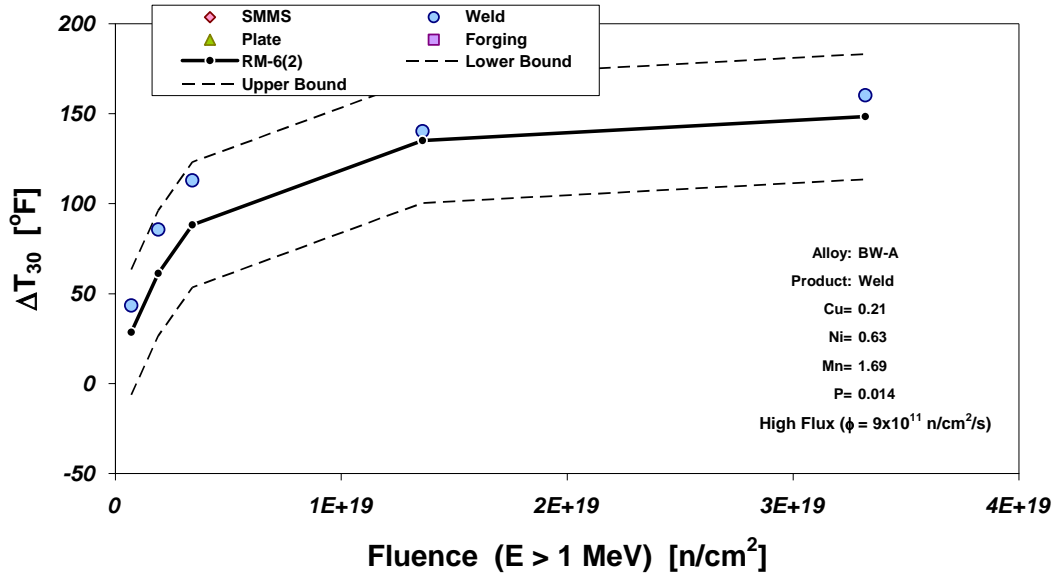


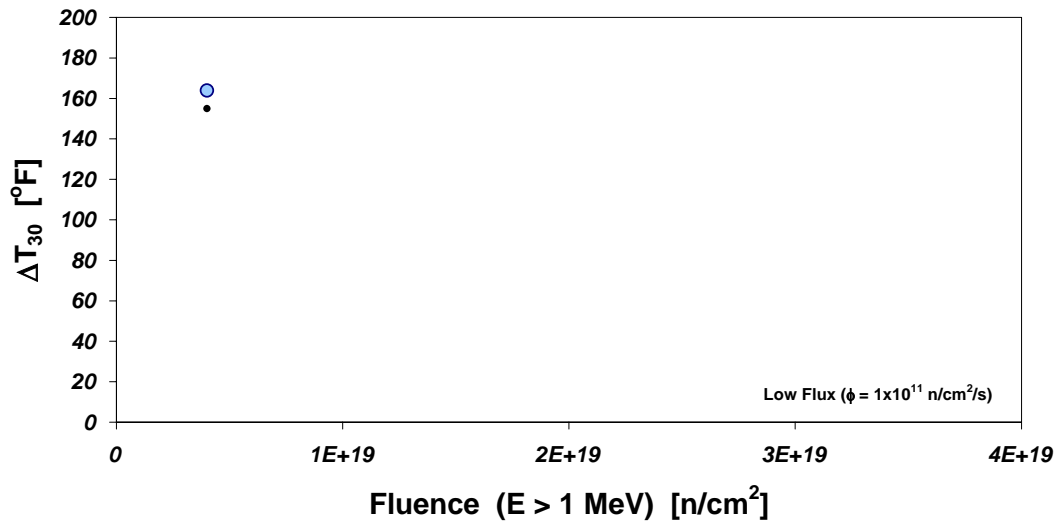
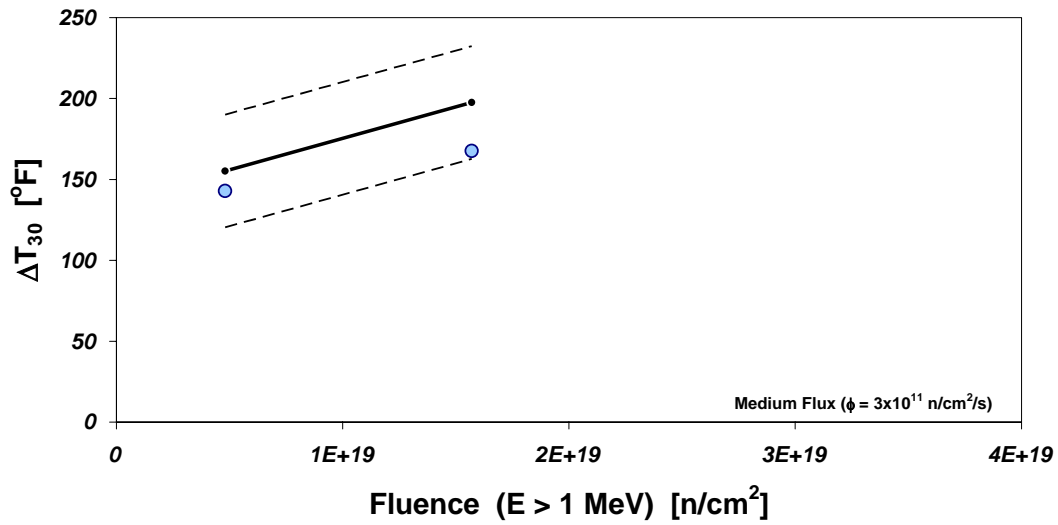
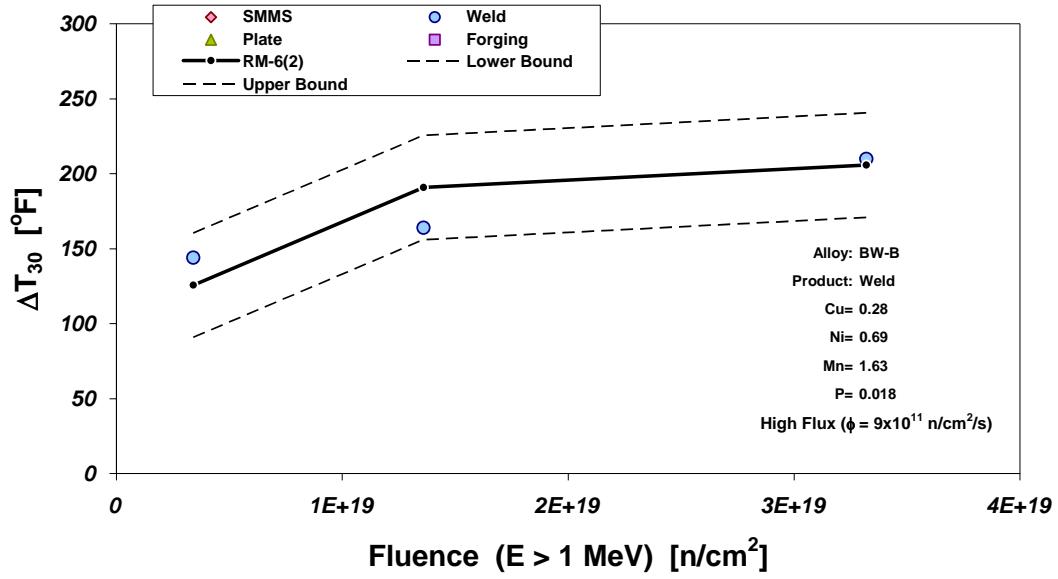


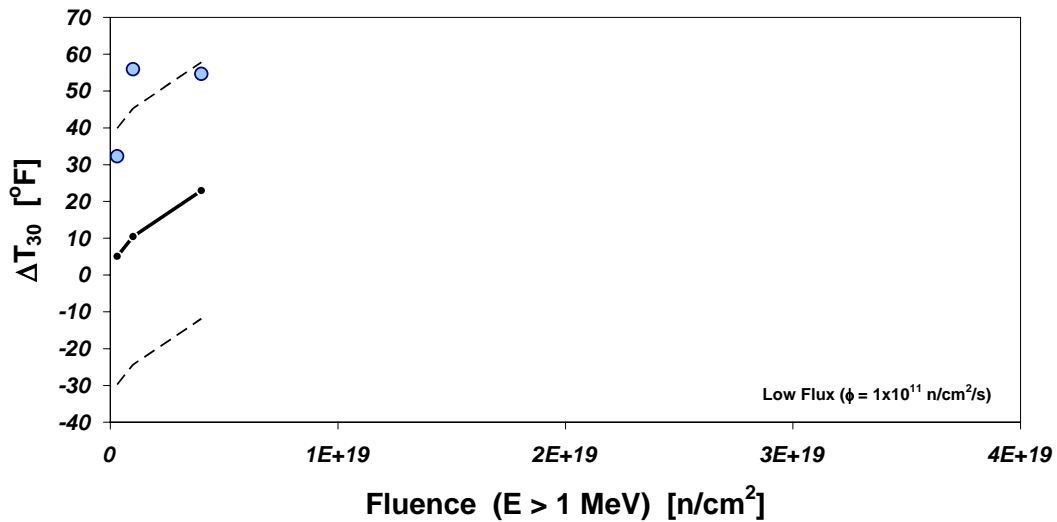
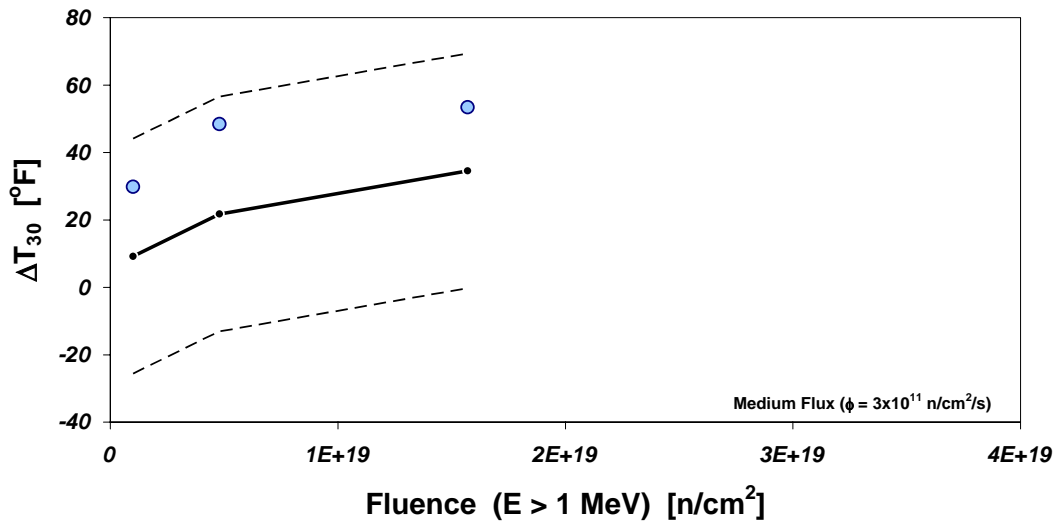
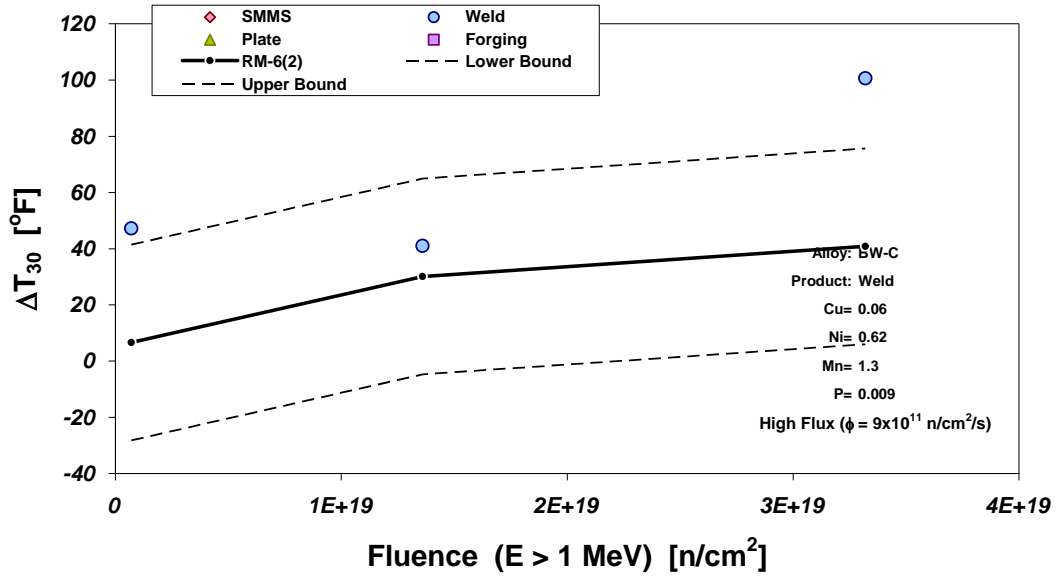


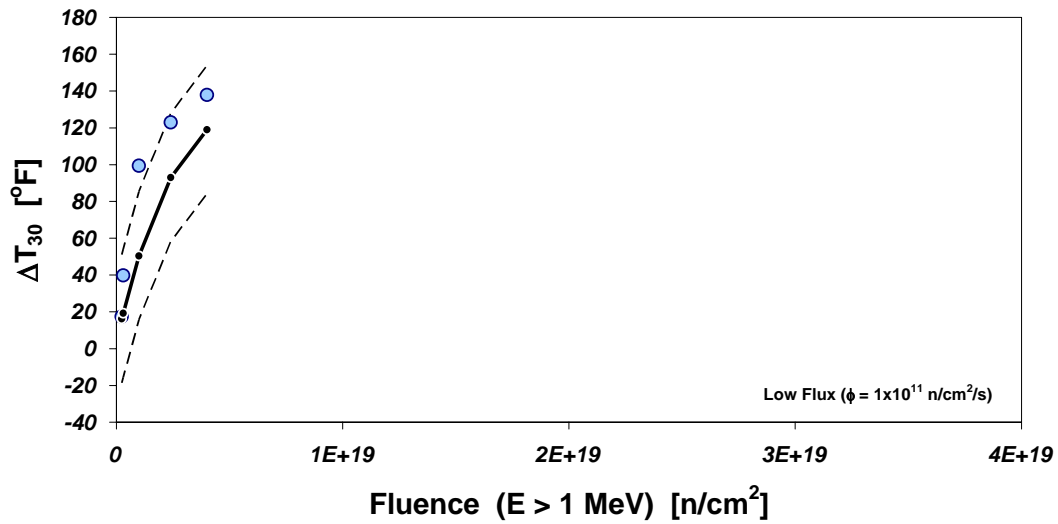
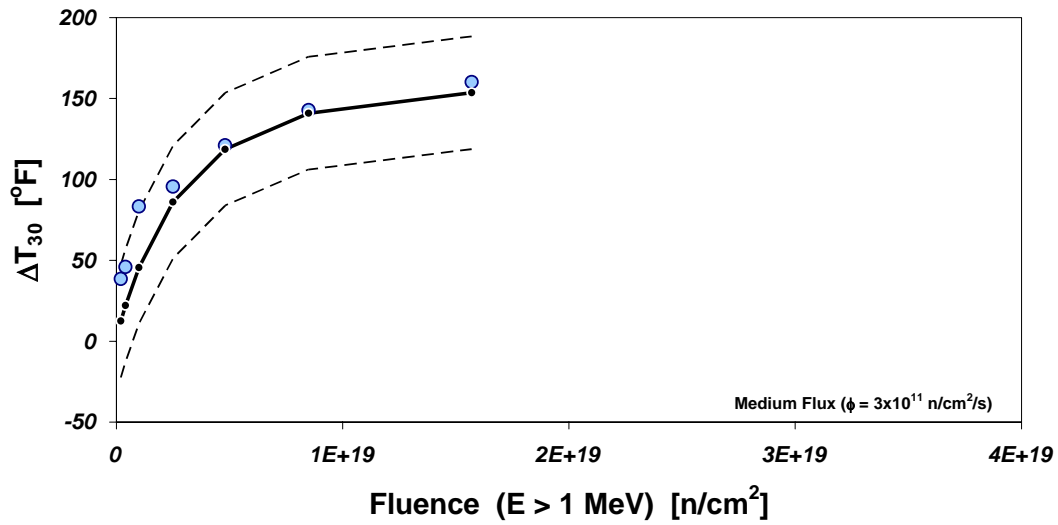
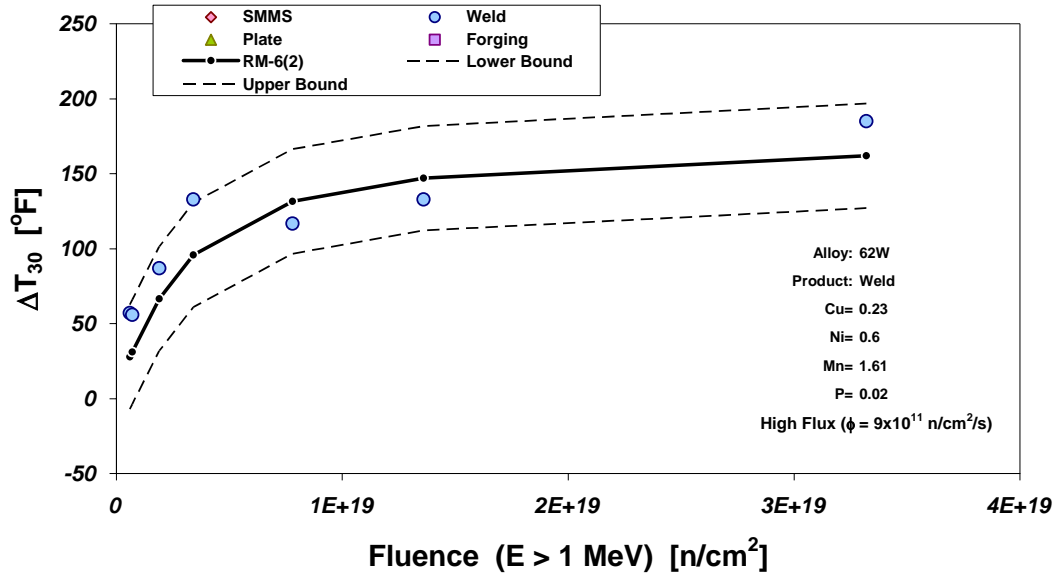


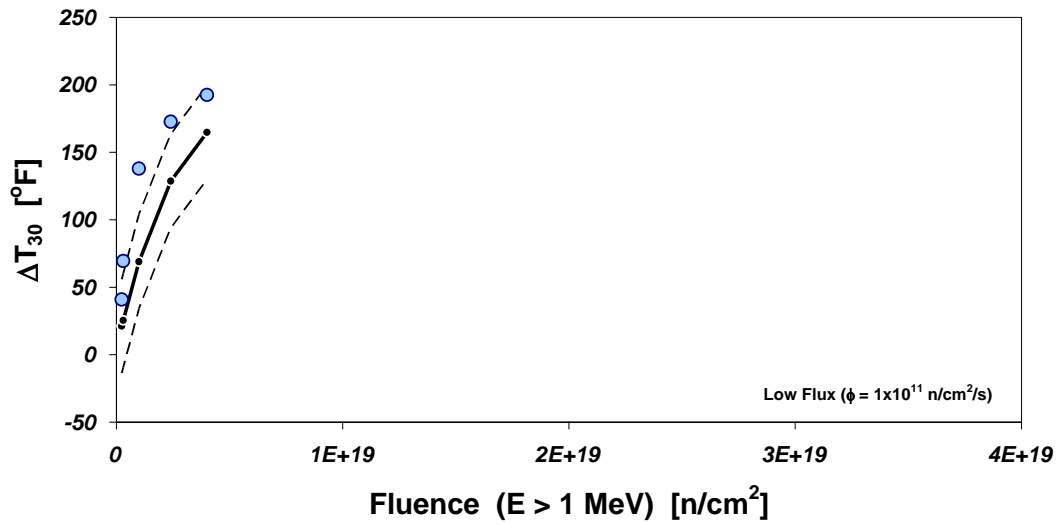
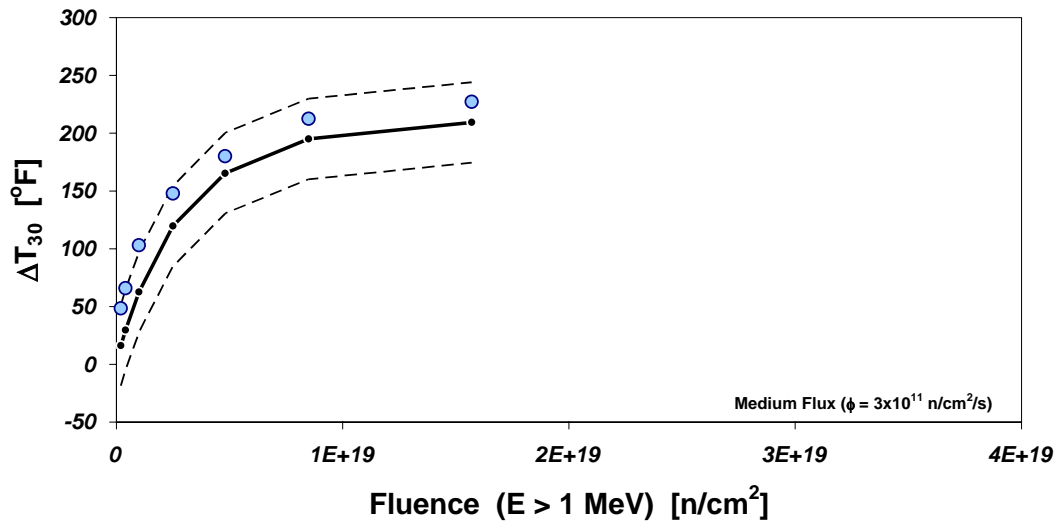
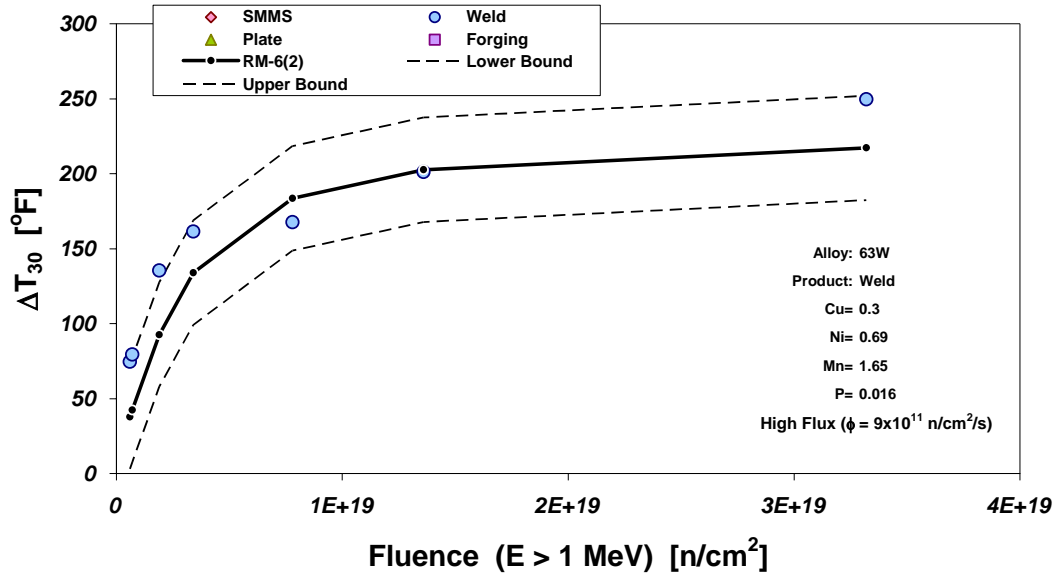


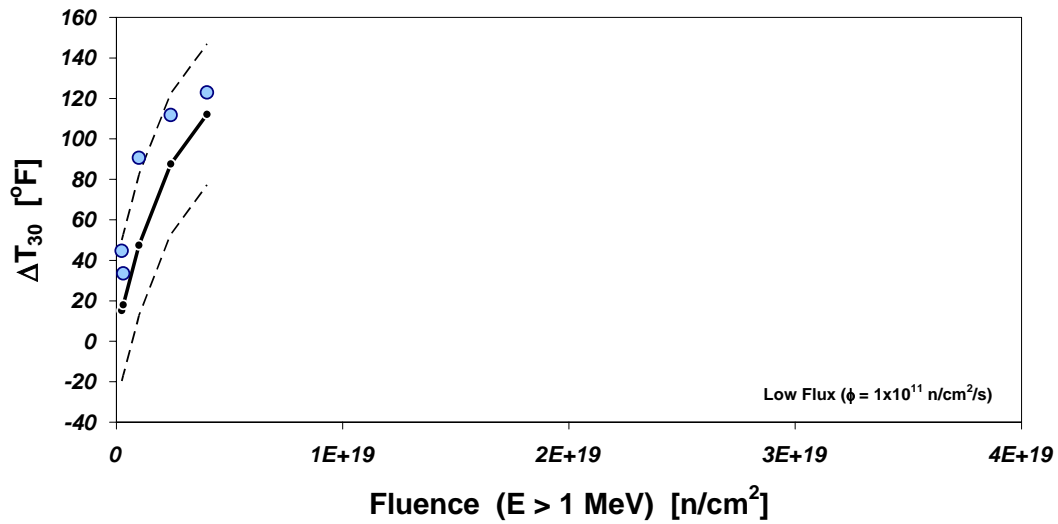
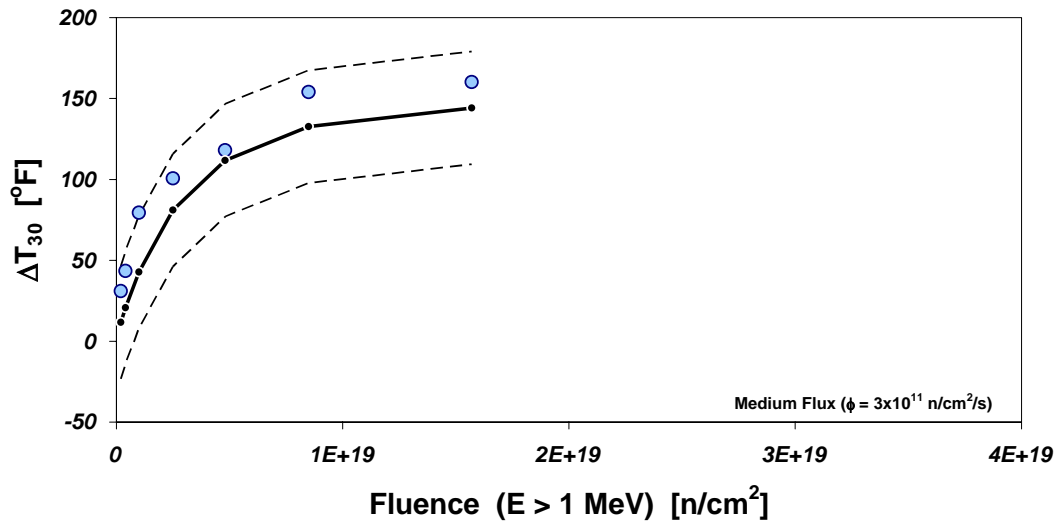
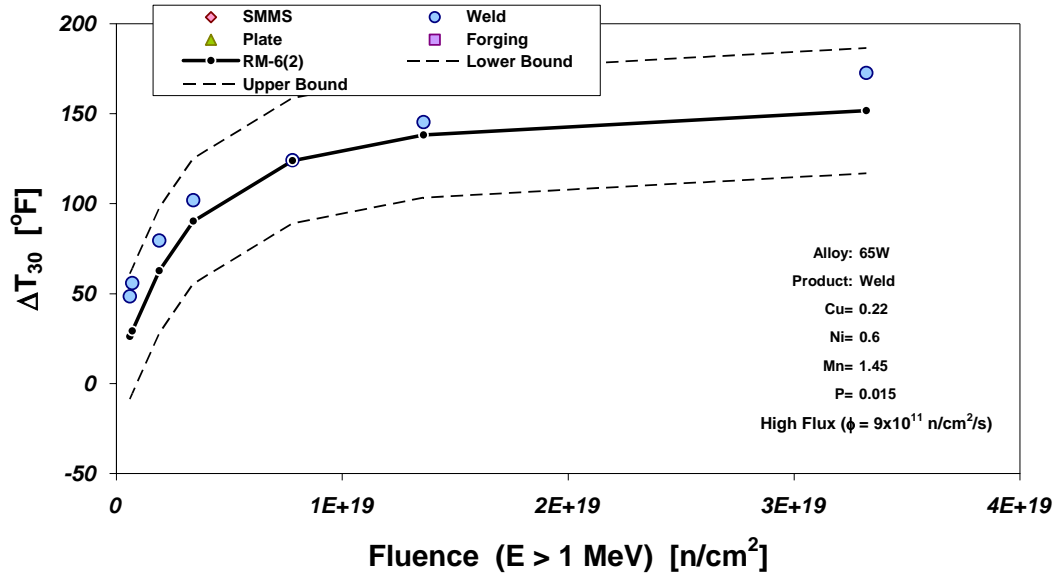


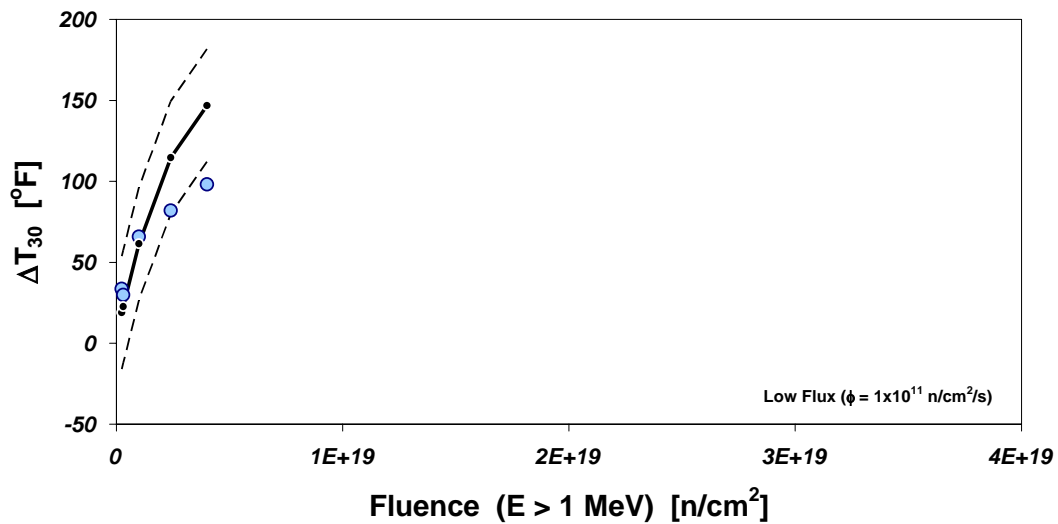
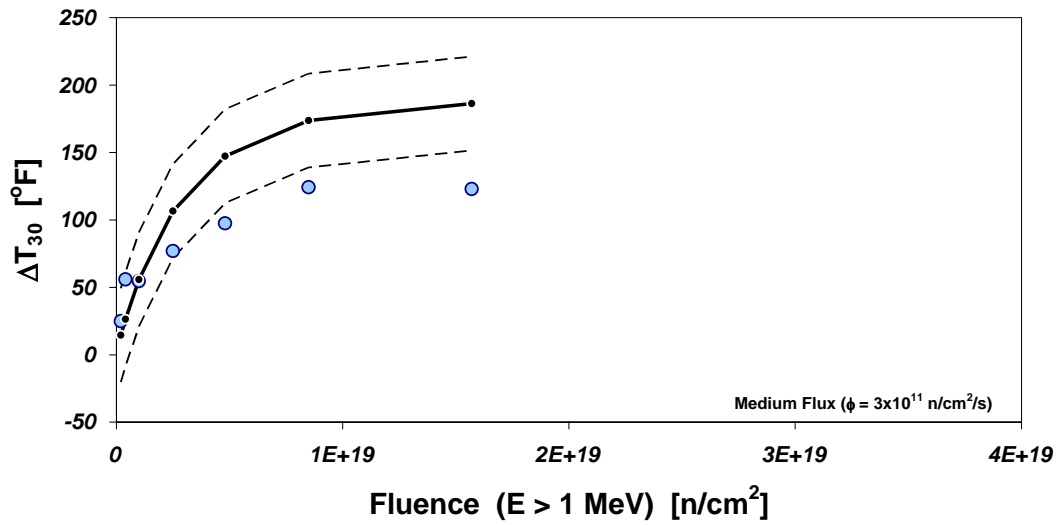
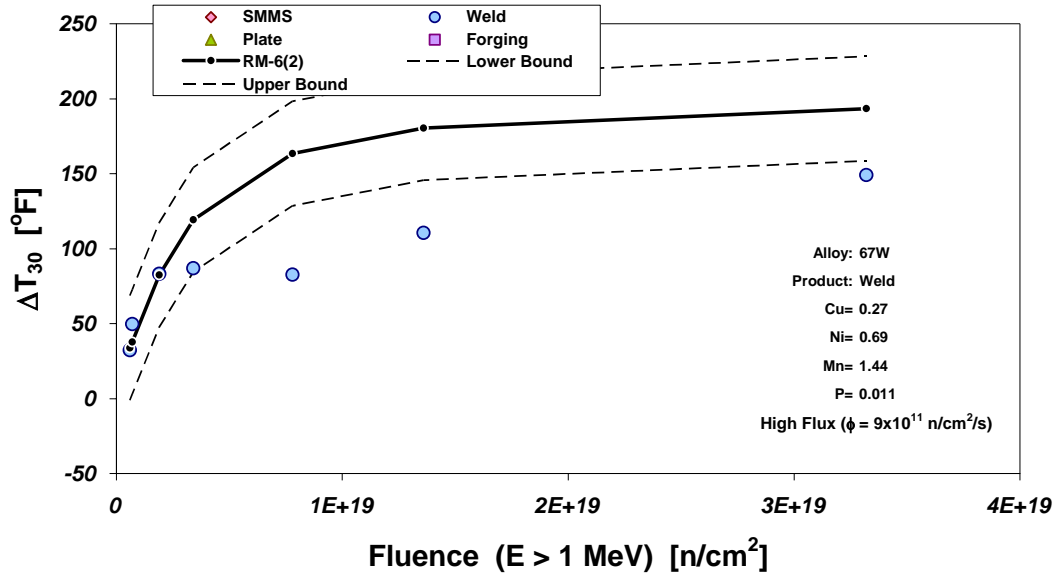


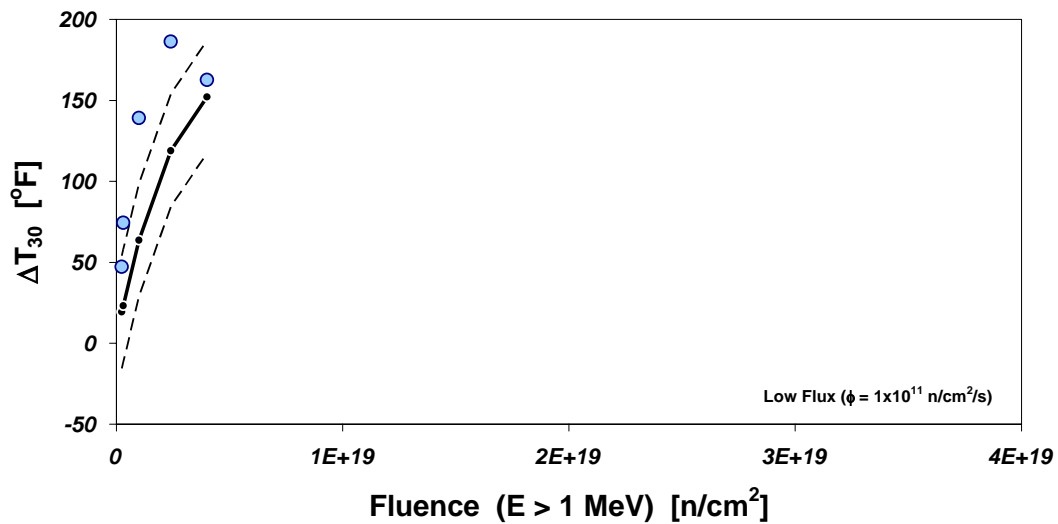
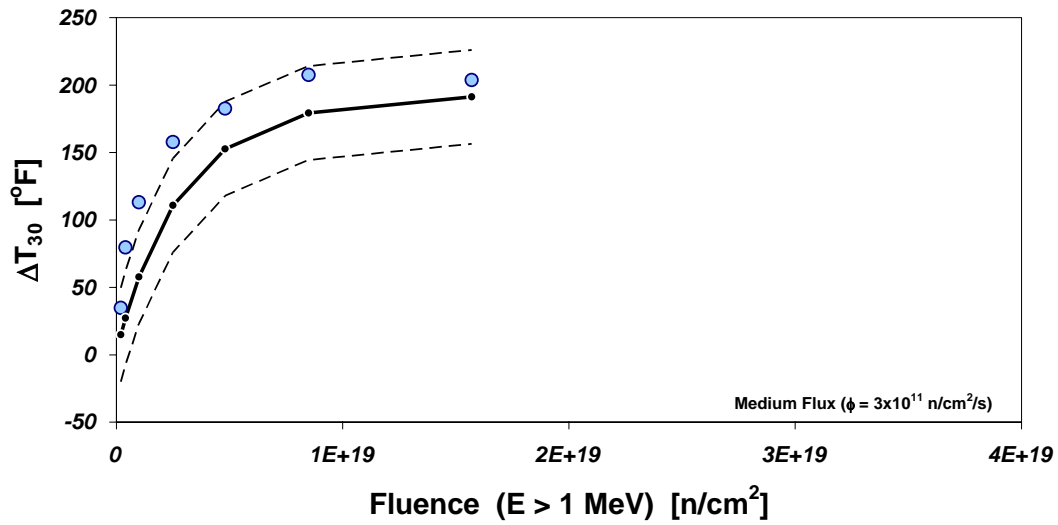
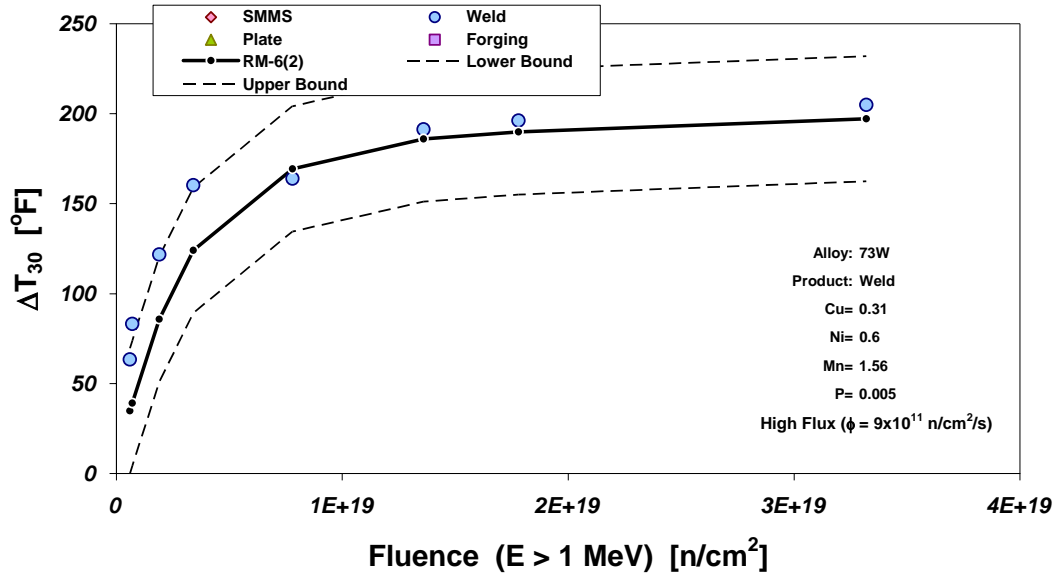


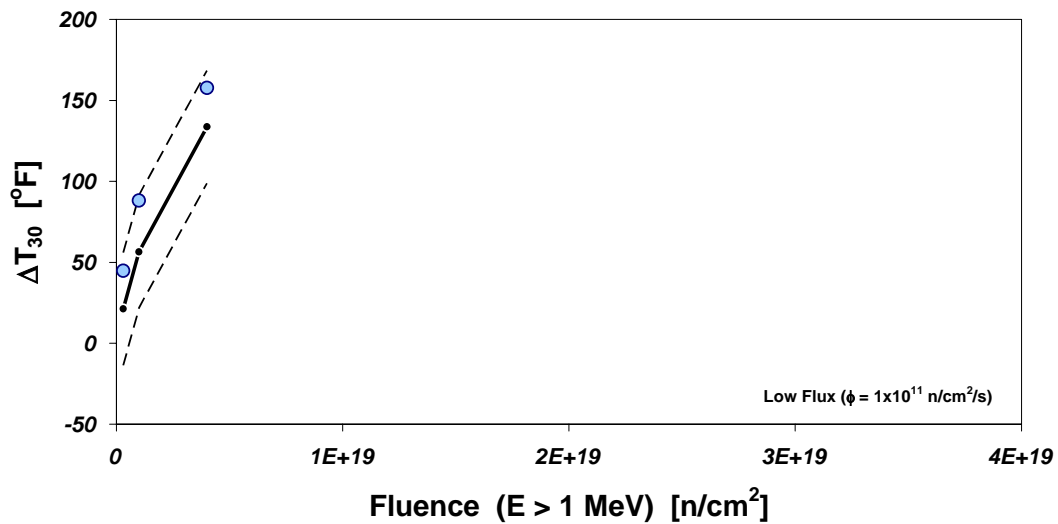
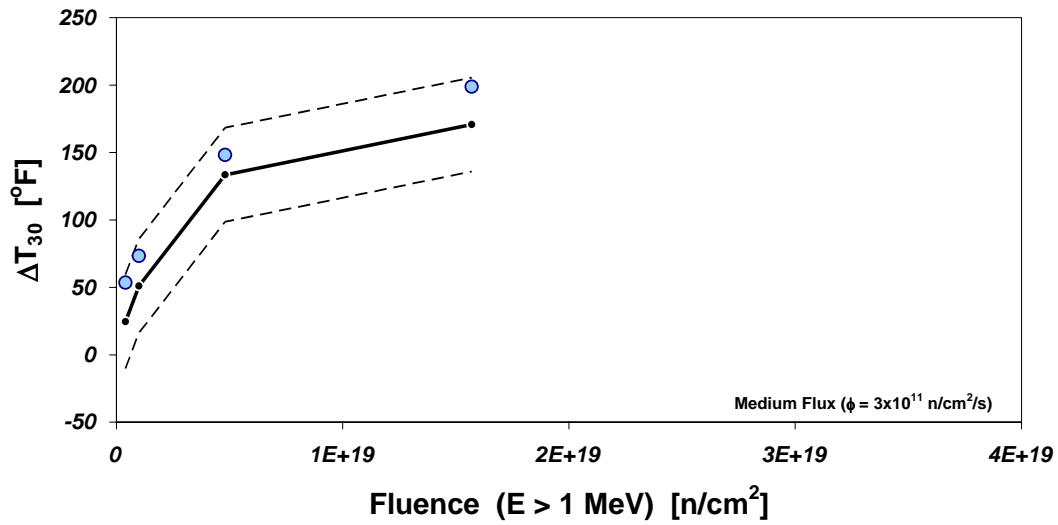
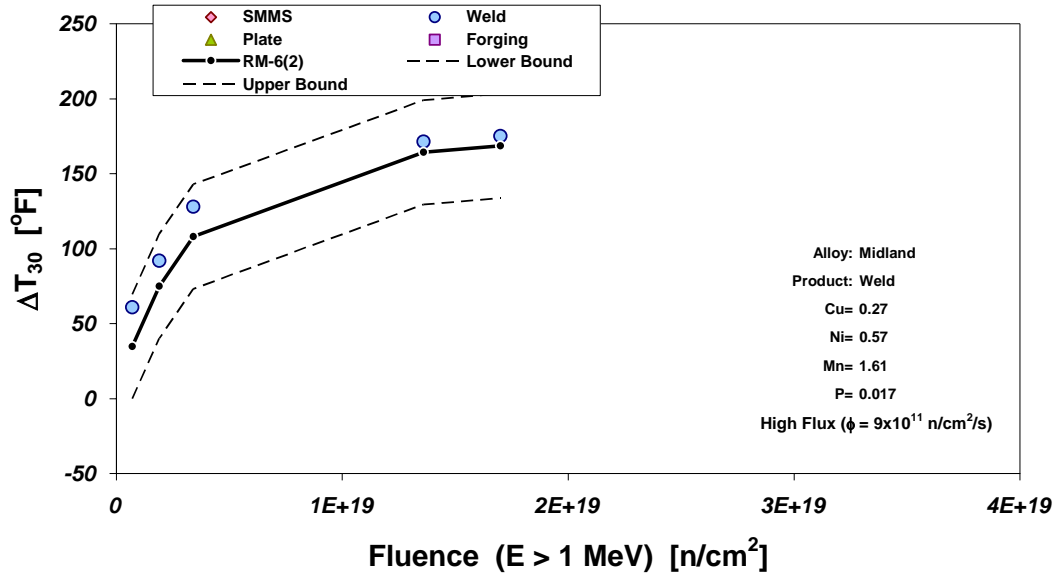


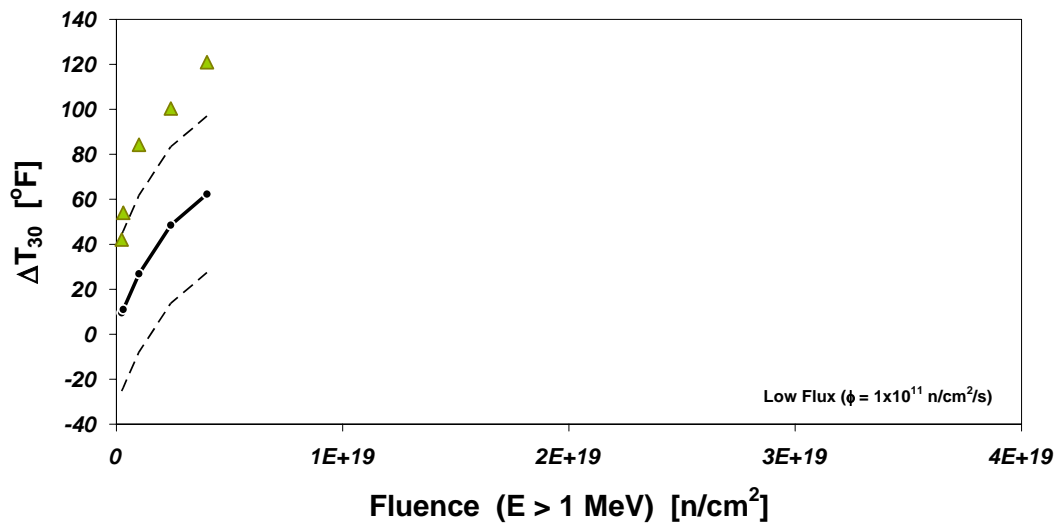
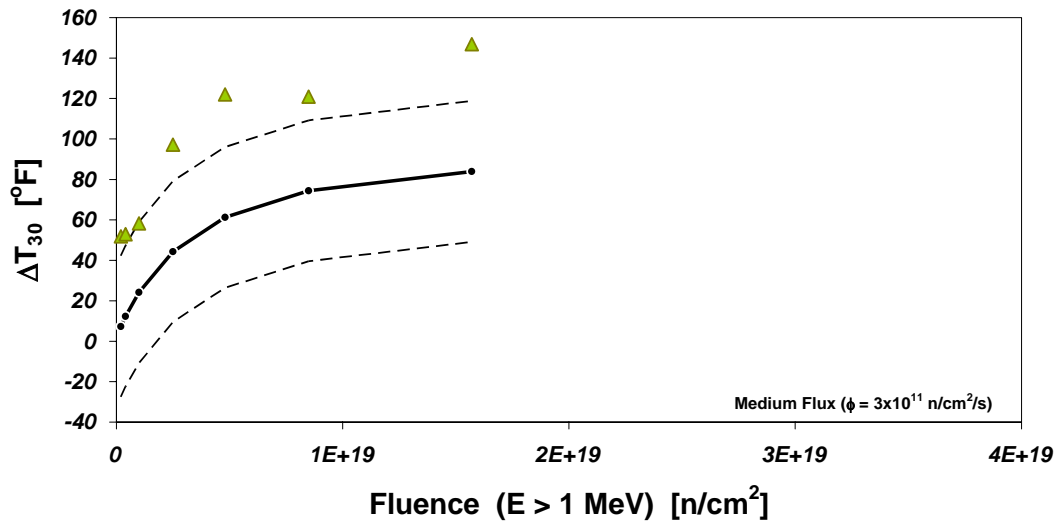
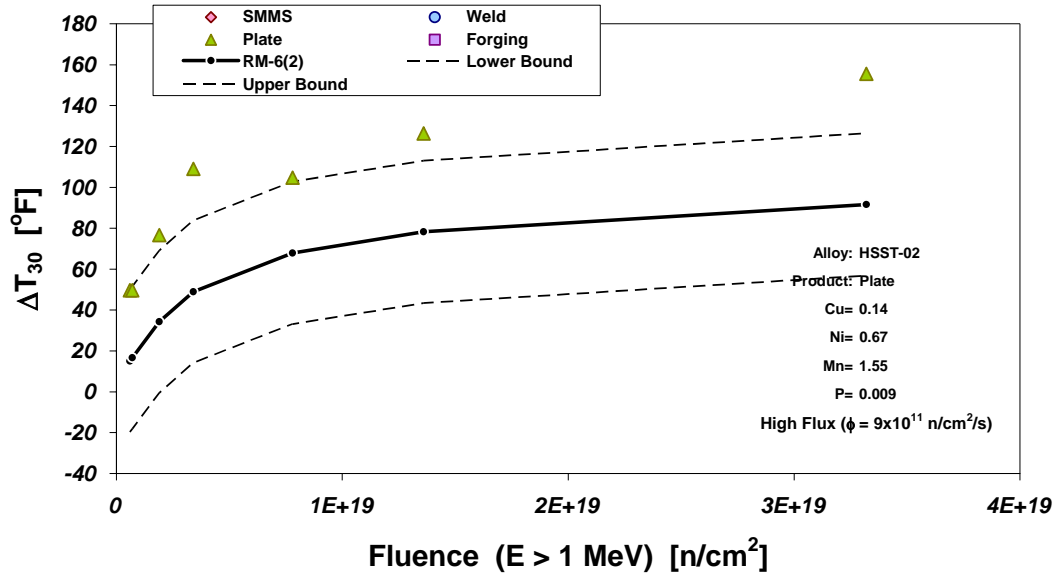


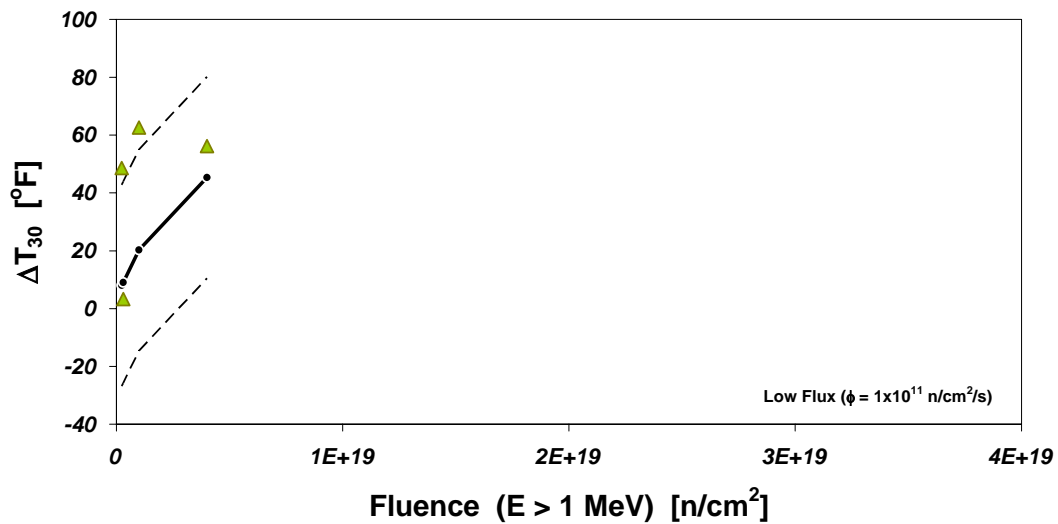
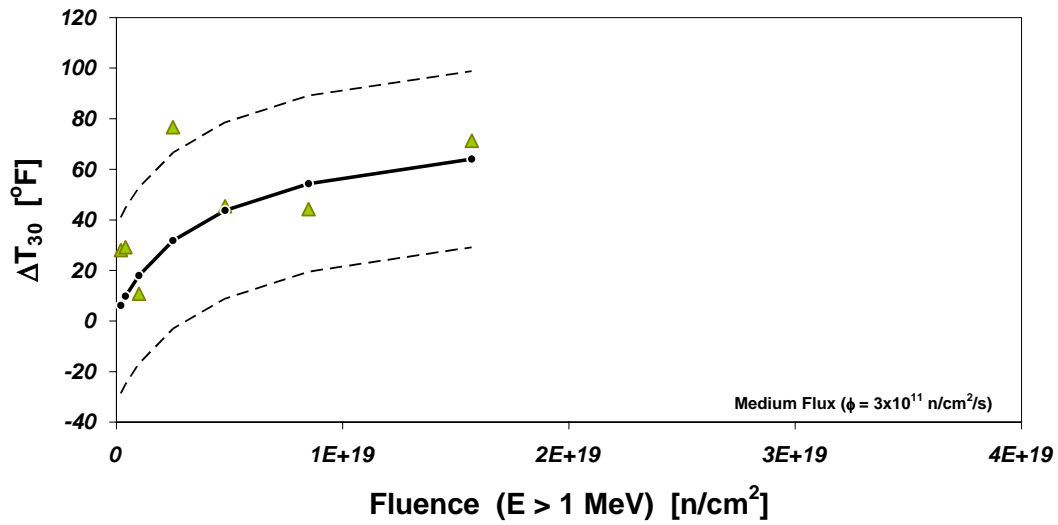
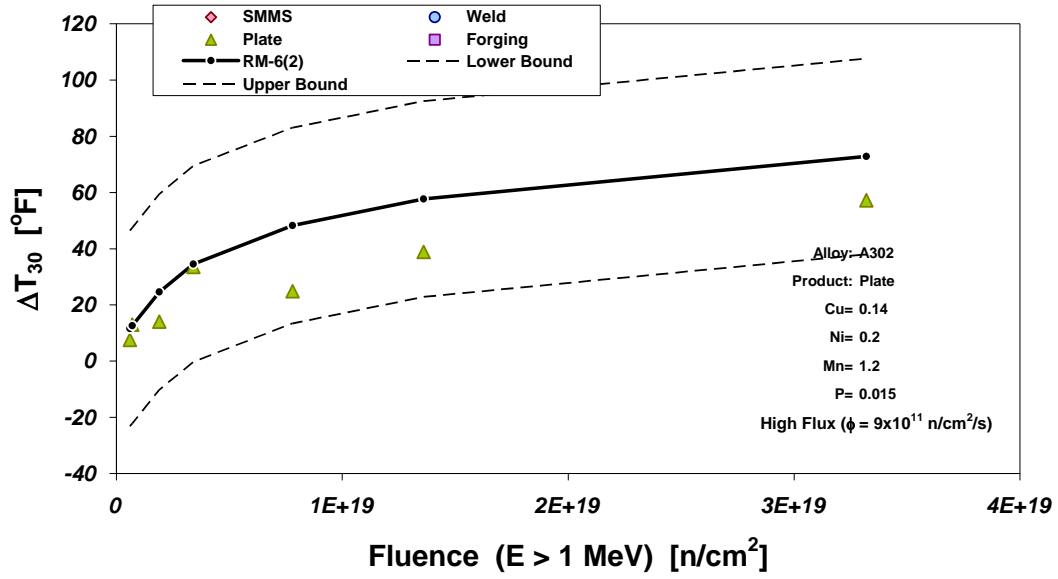


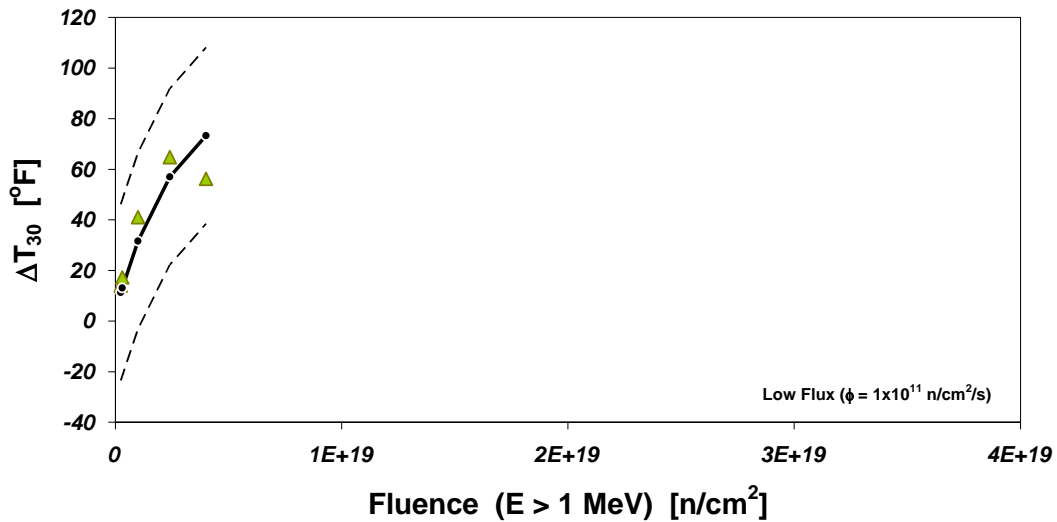
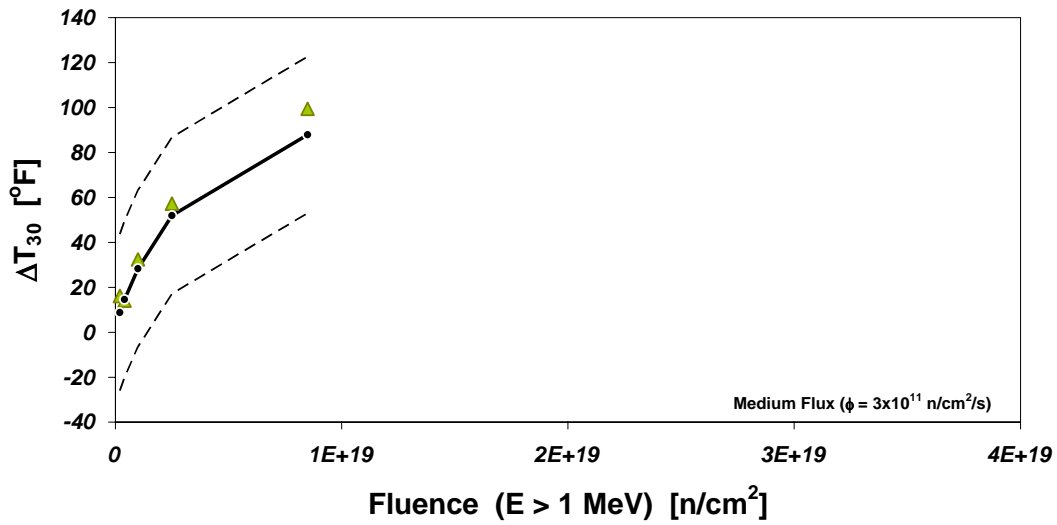
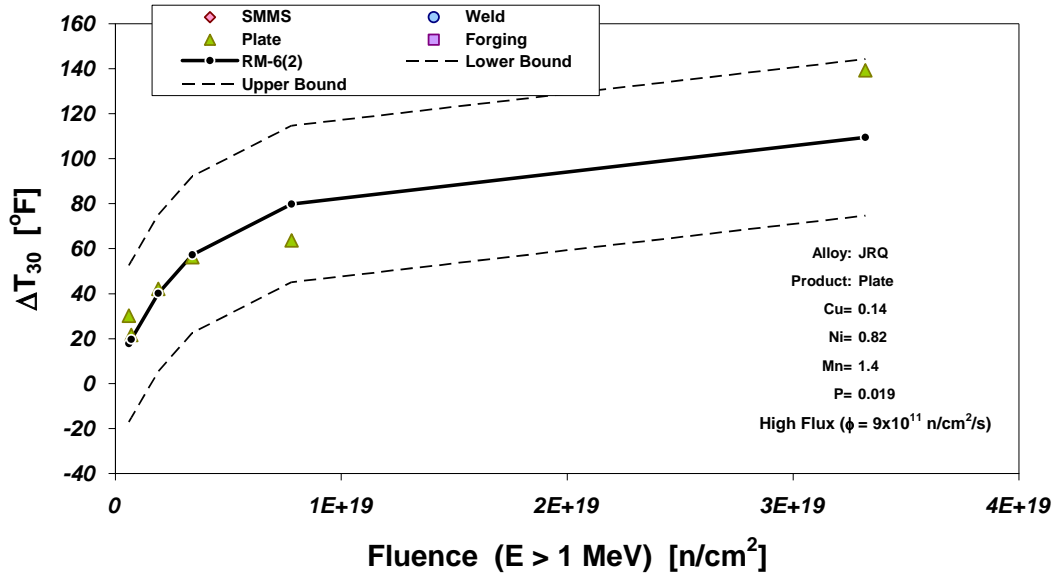


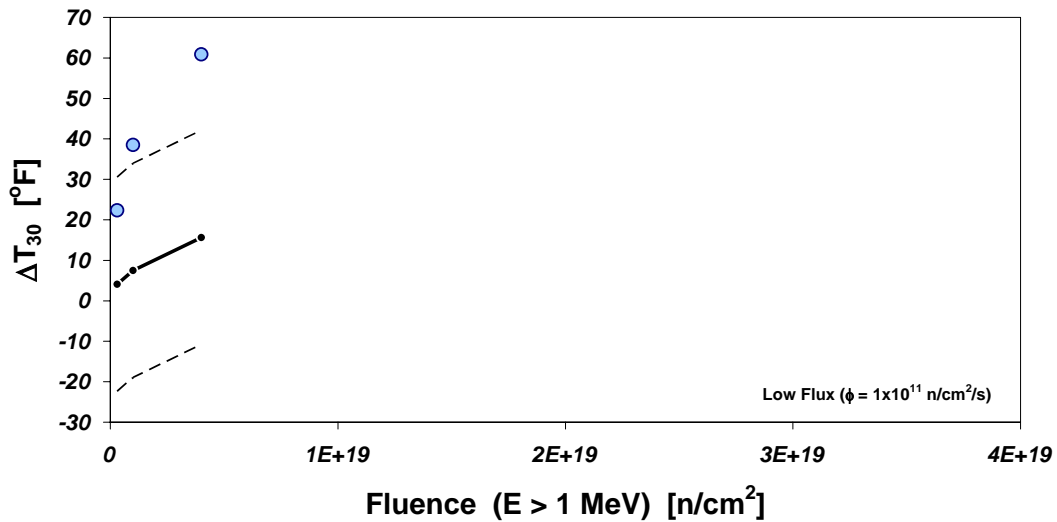
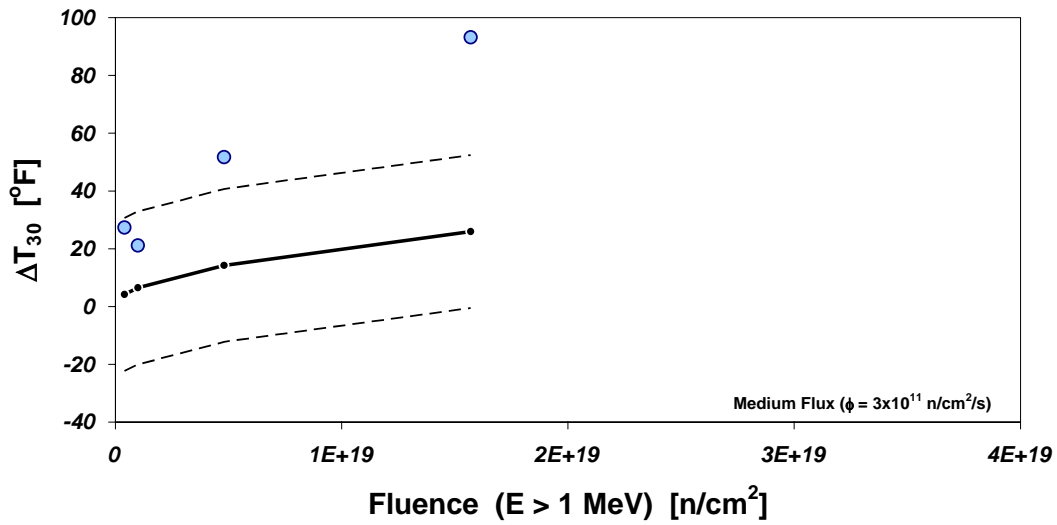
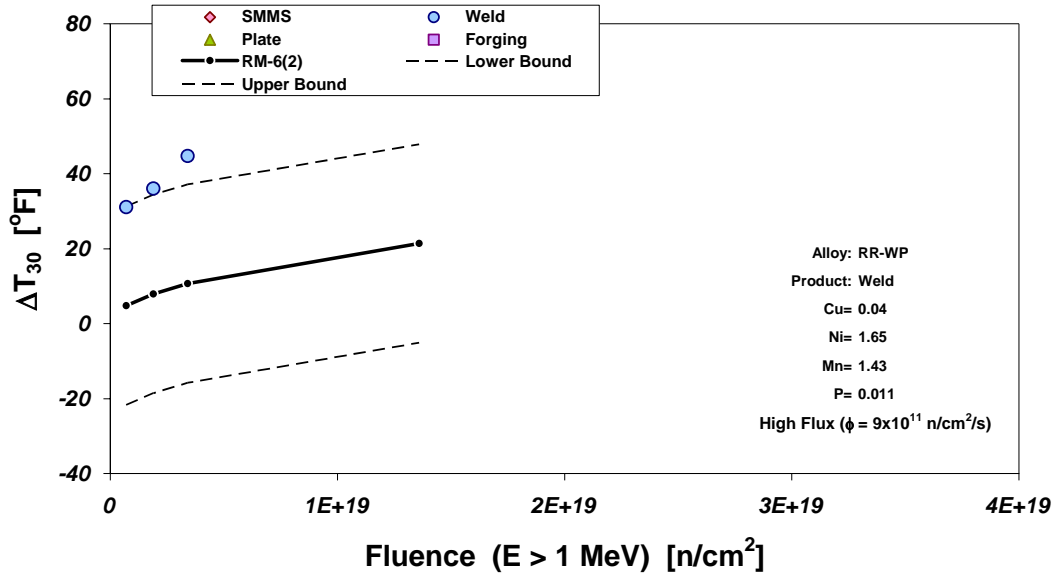


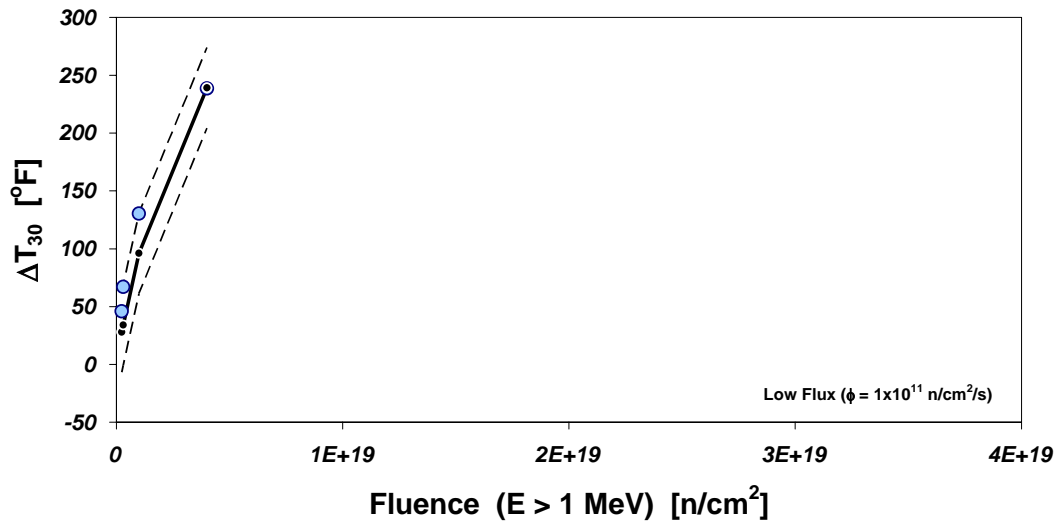
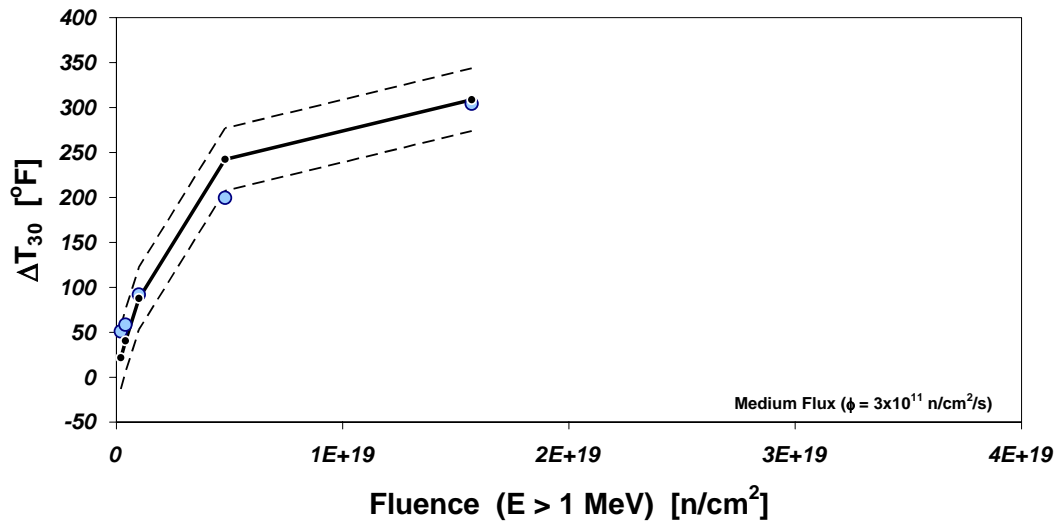
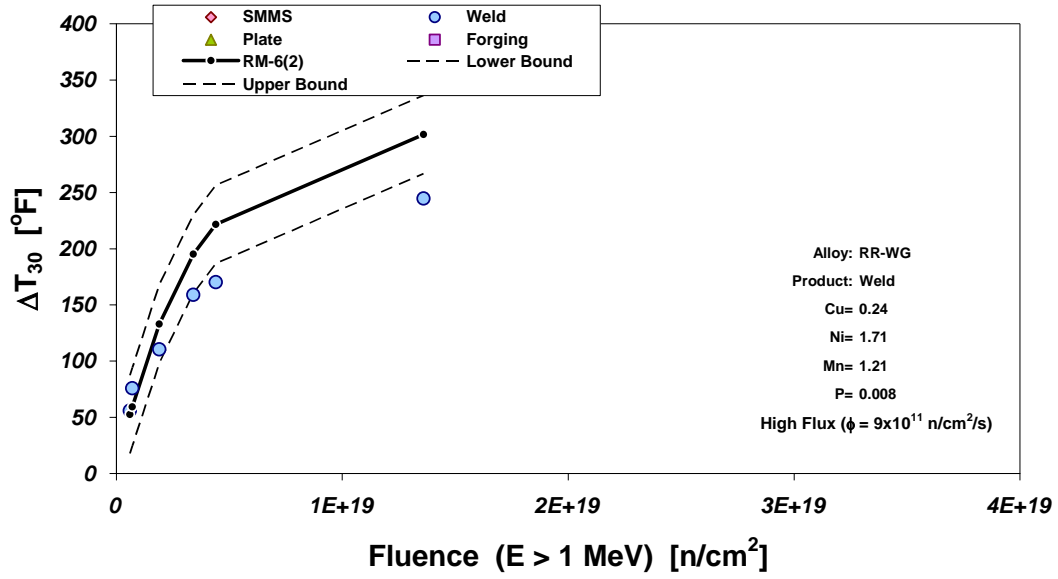


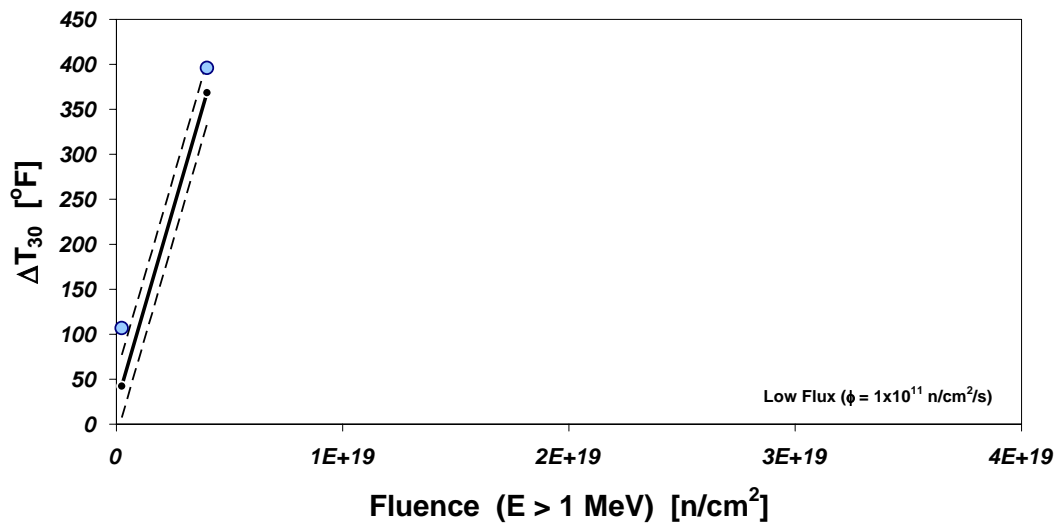
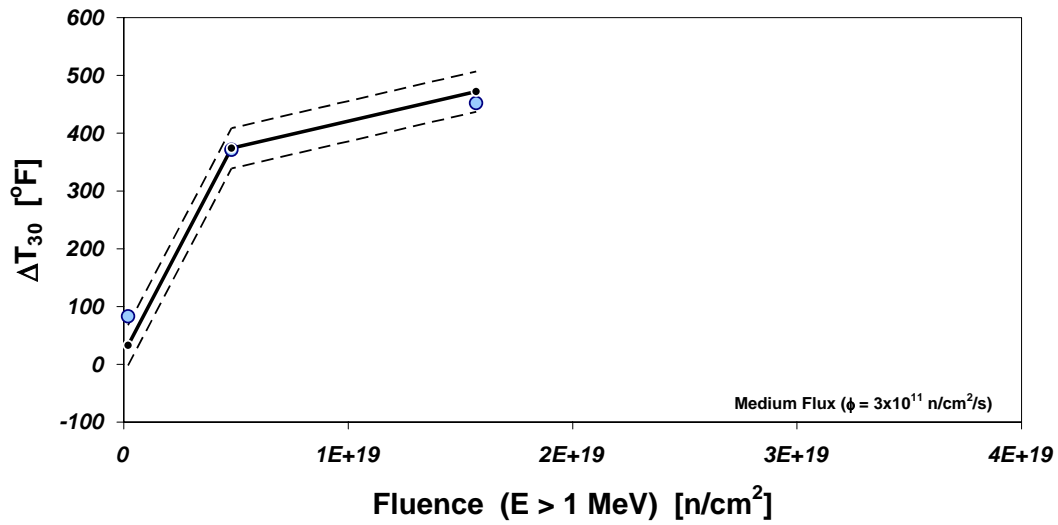
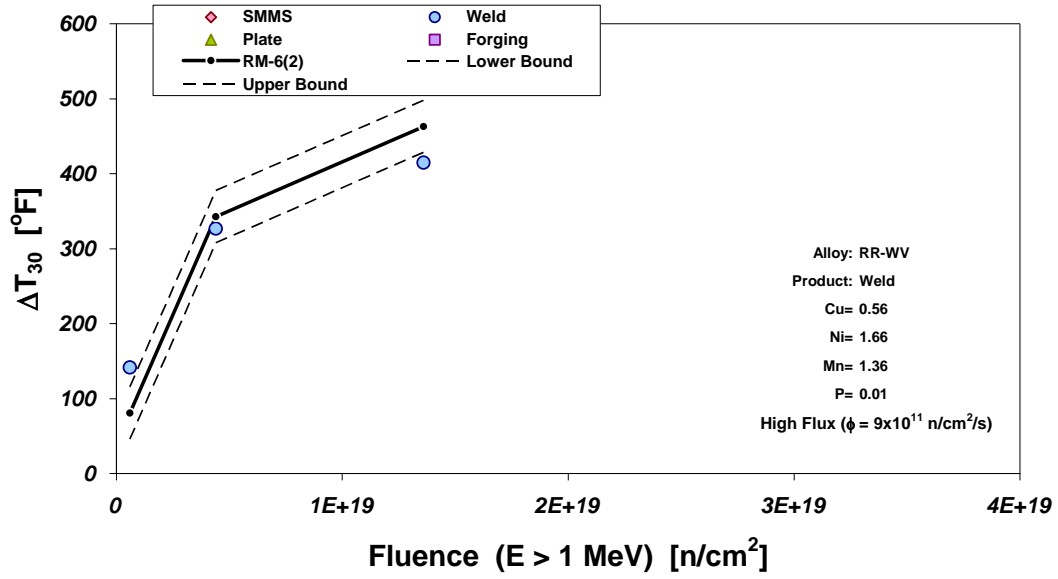


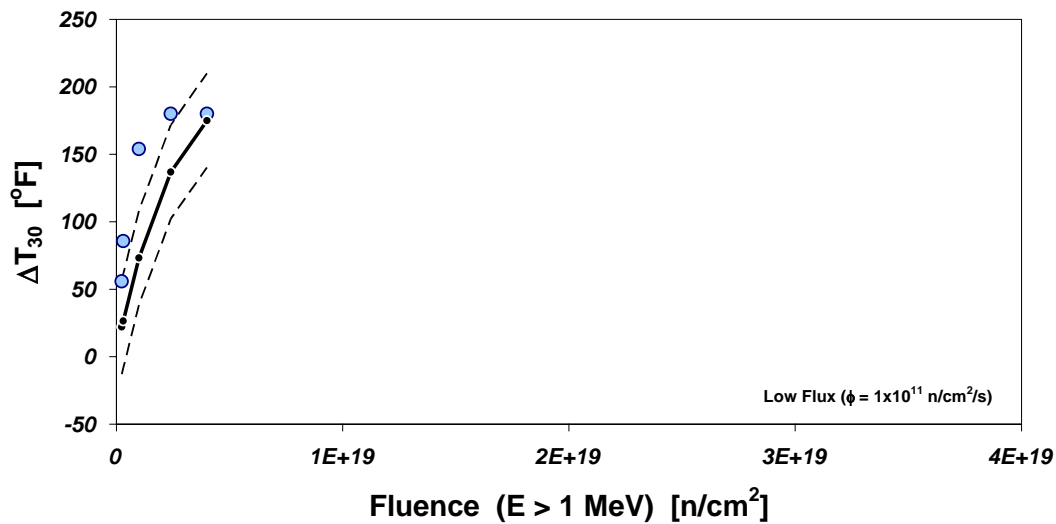
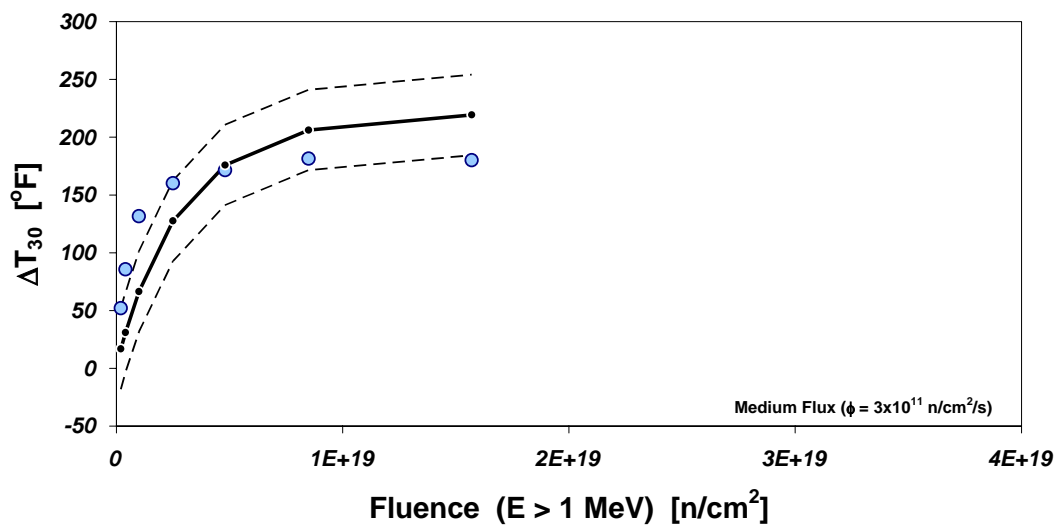
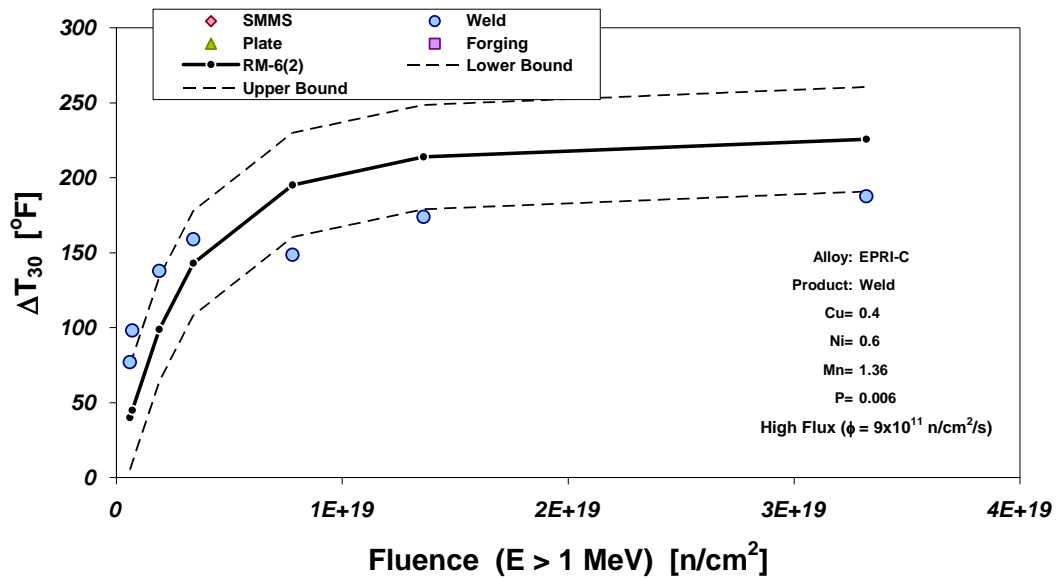


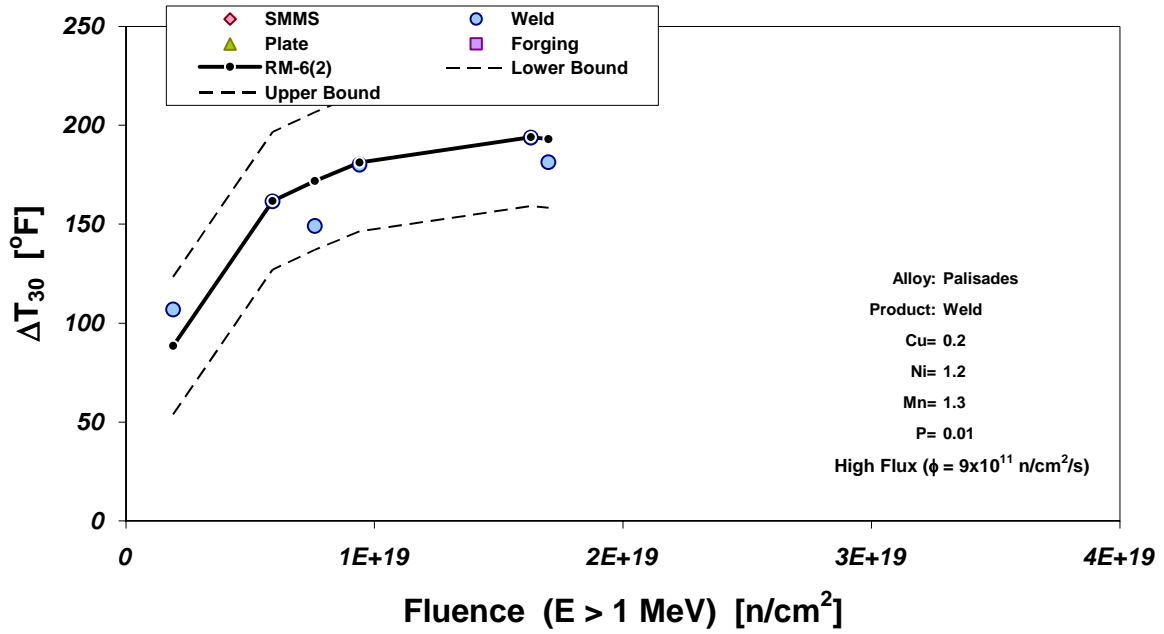












No data reported in IVAR at medium or low flux for this alloy.

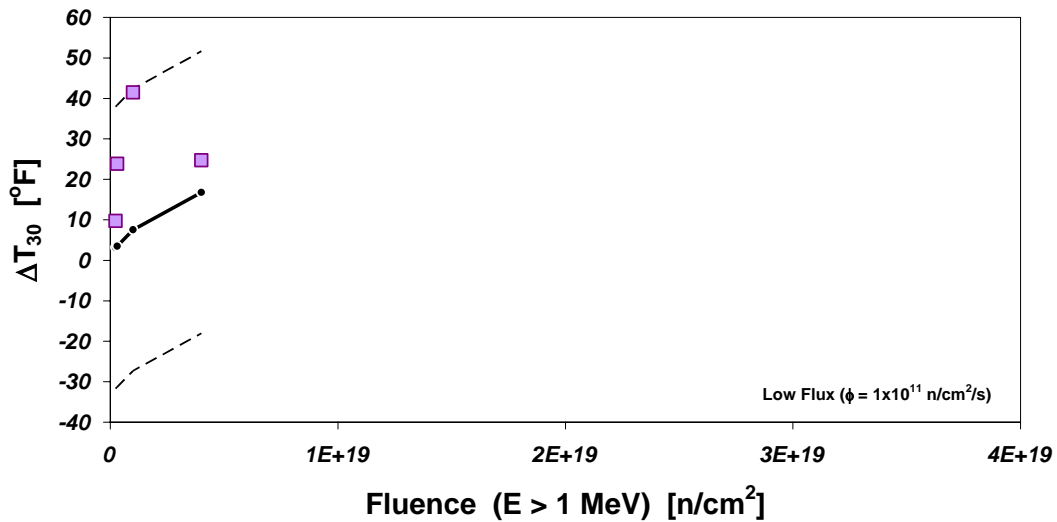
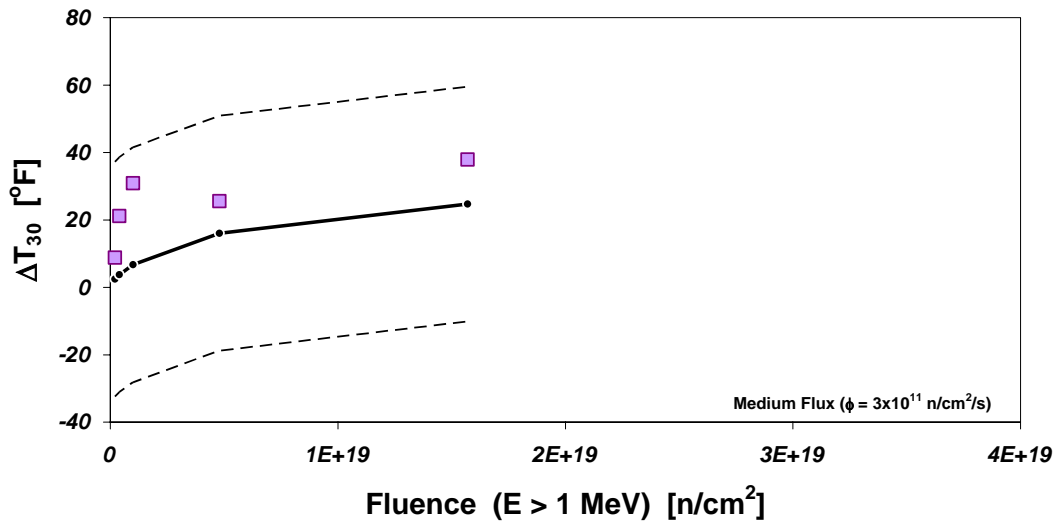
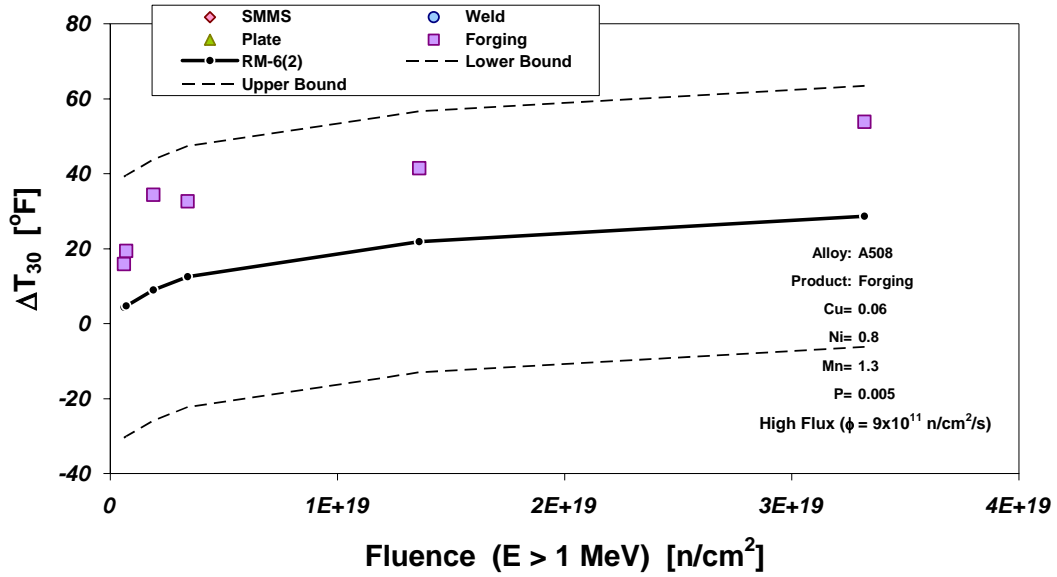
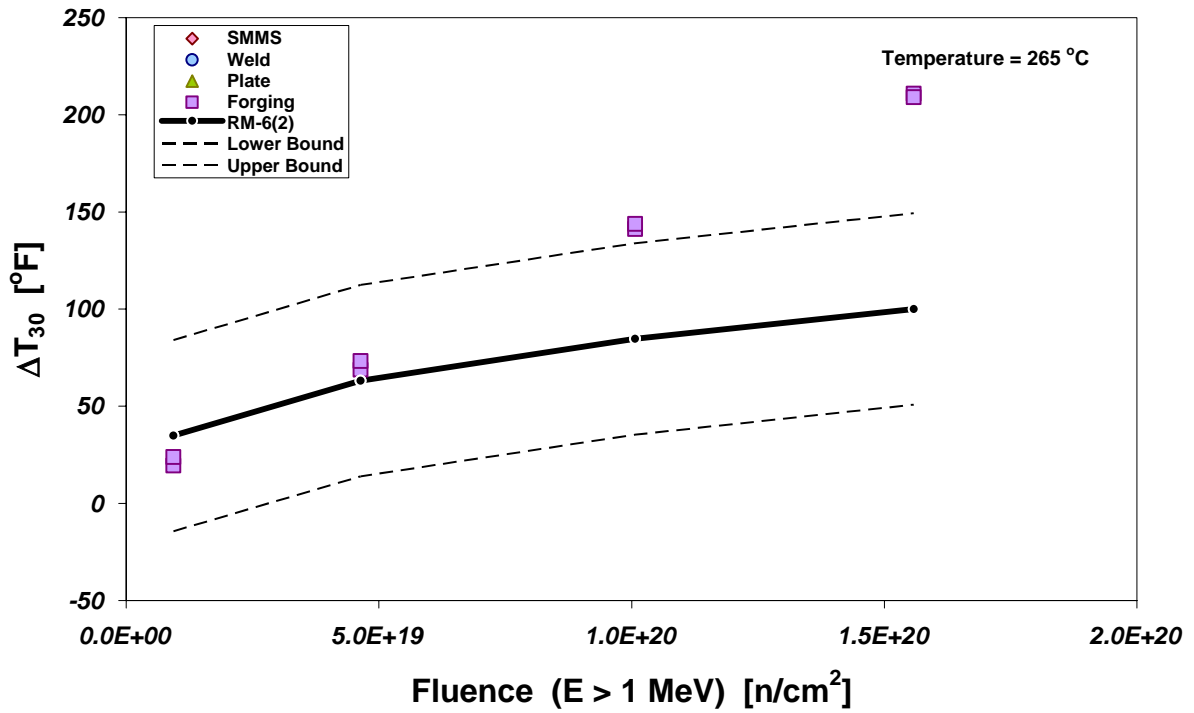
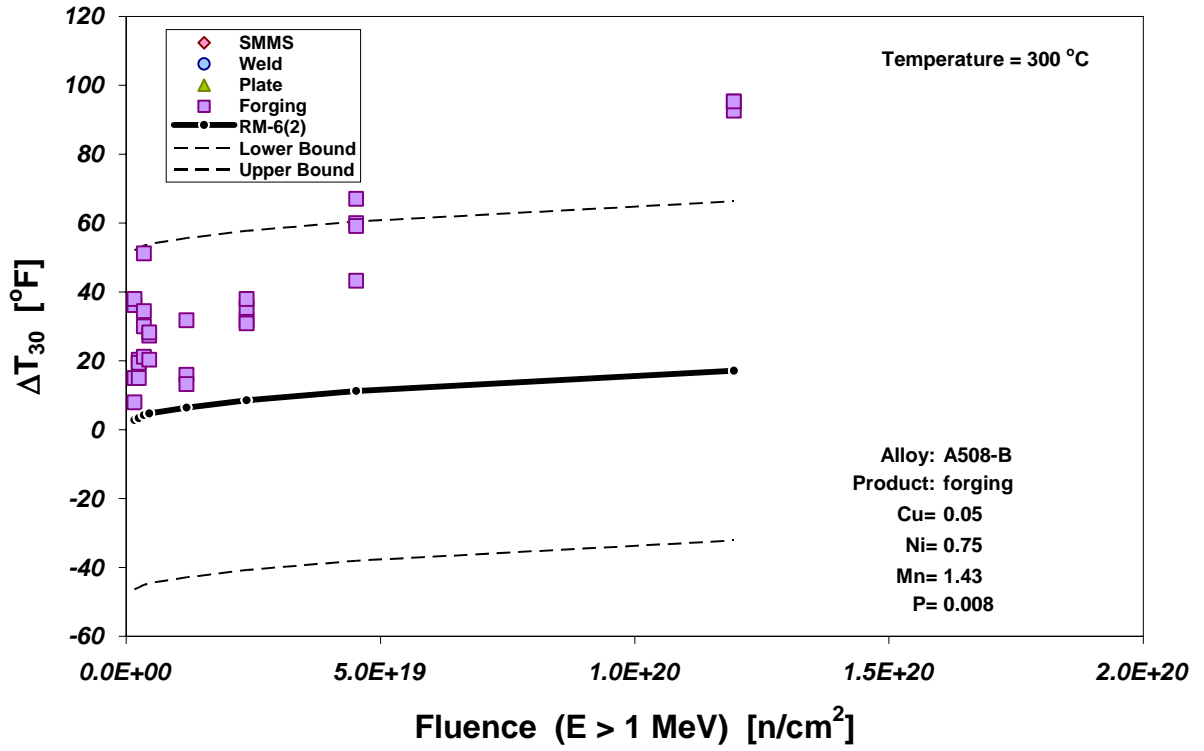
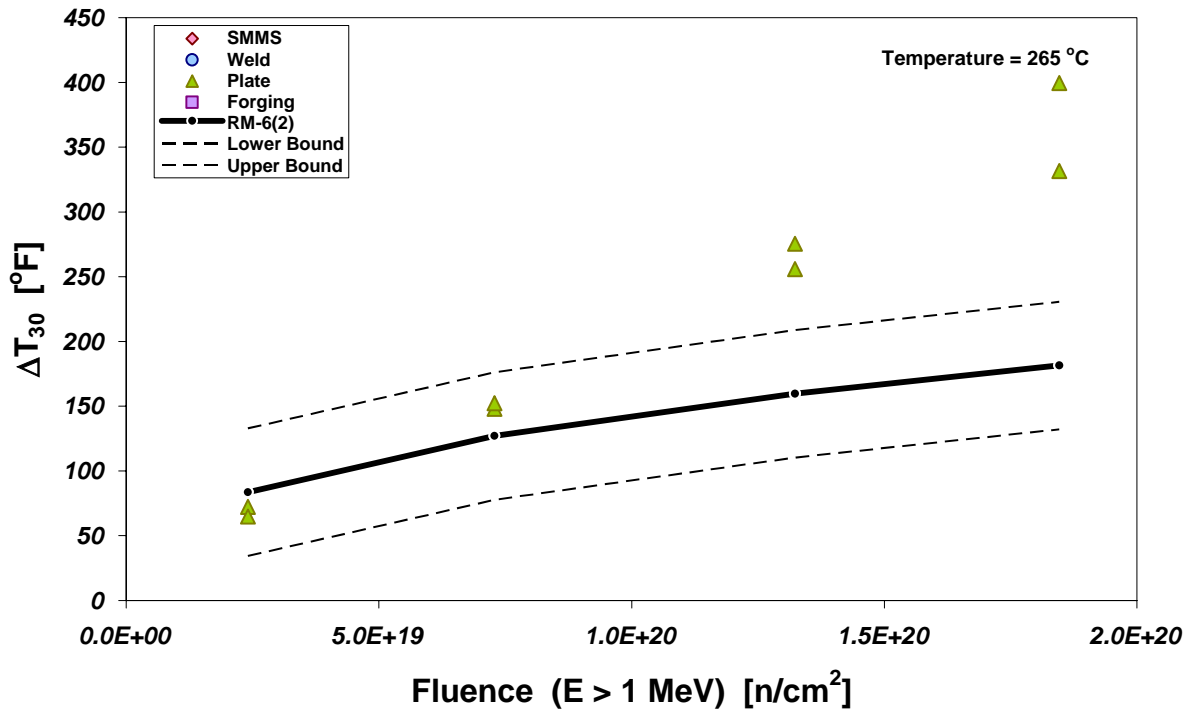
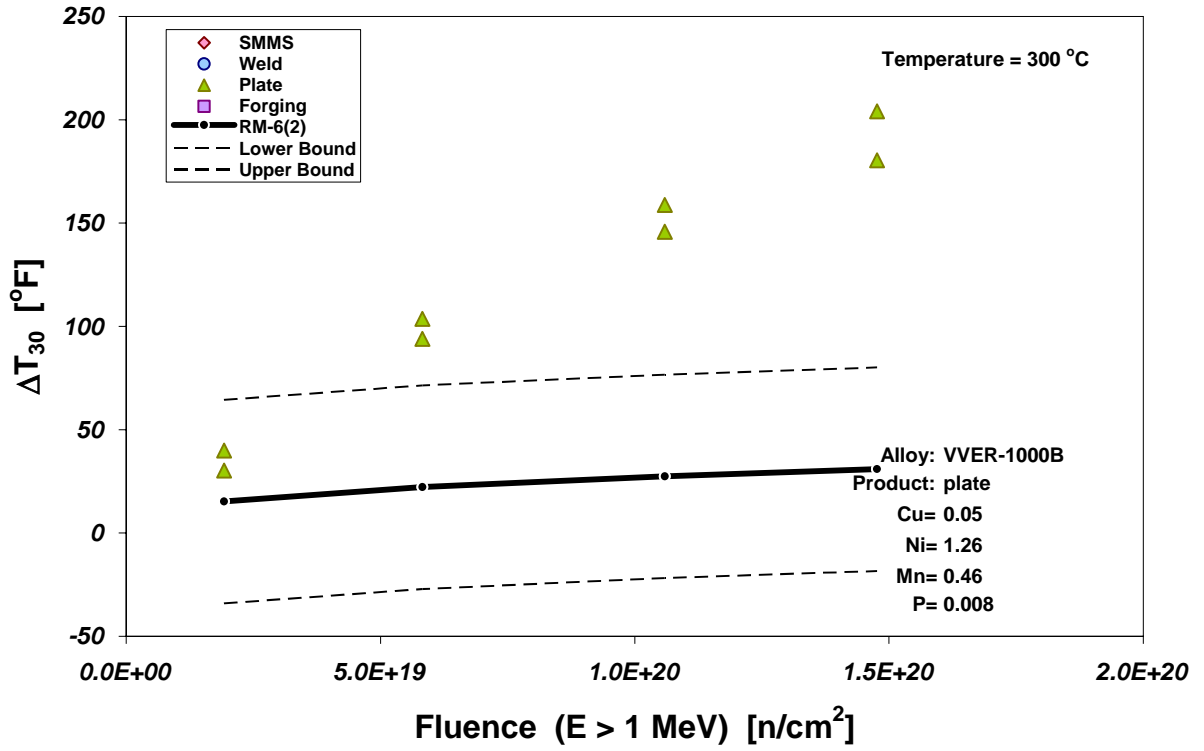
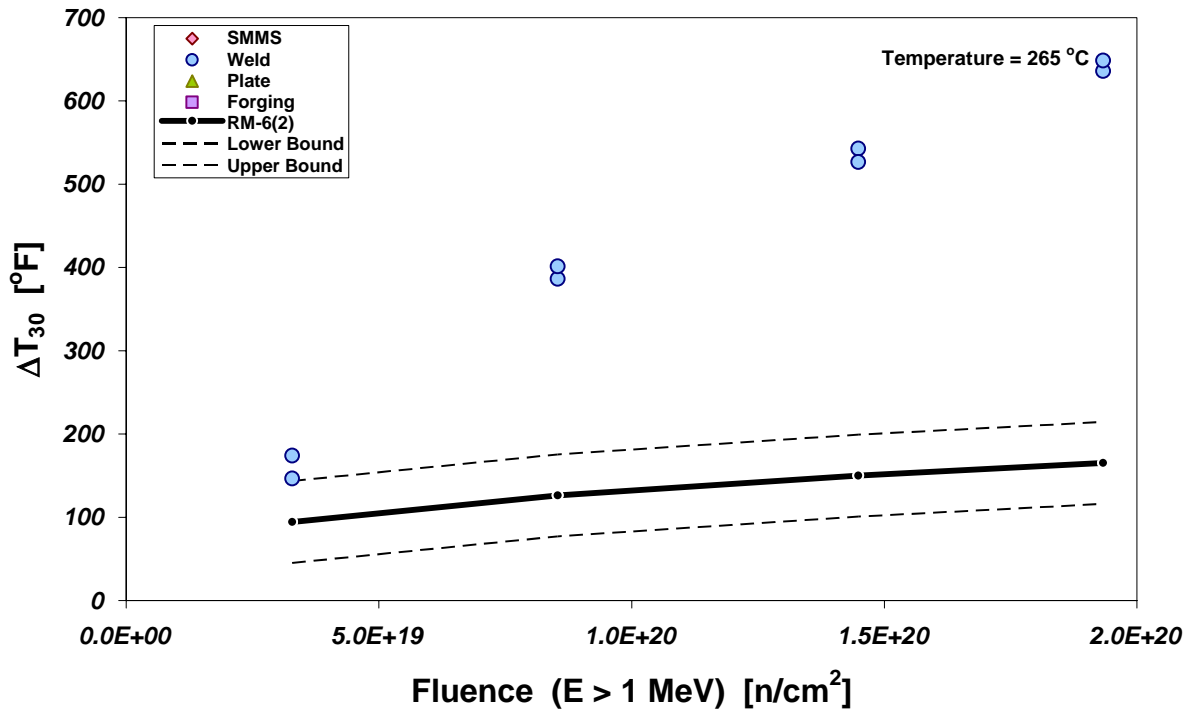
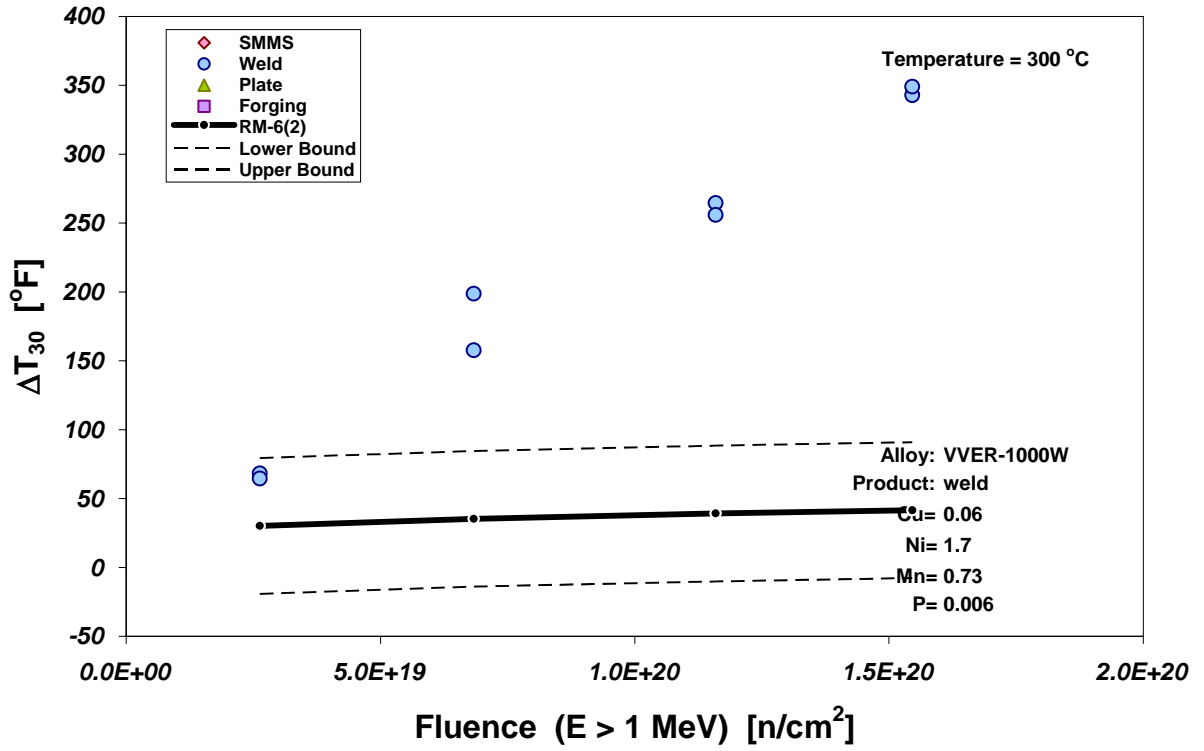


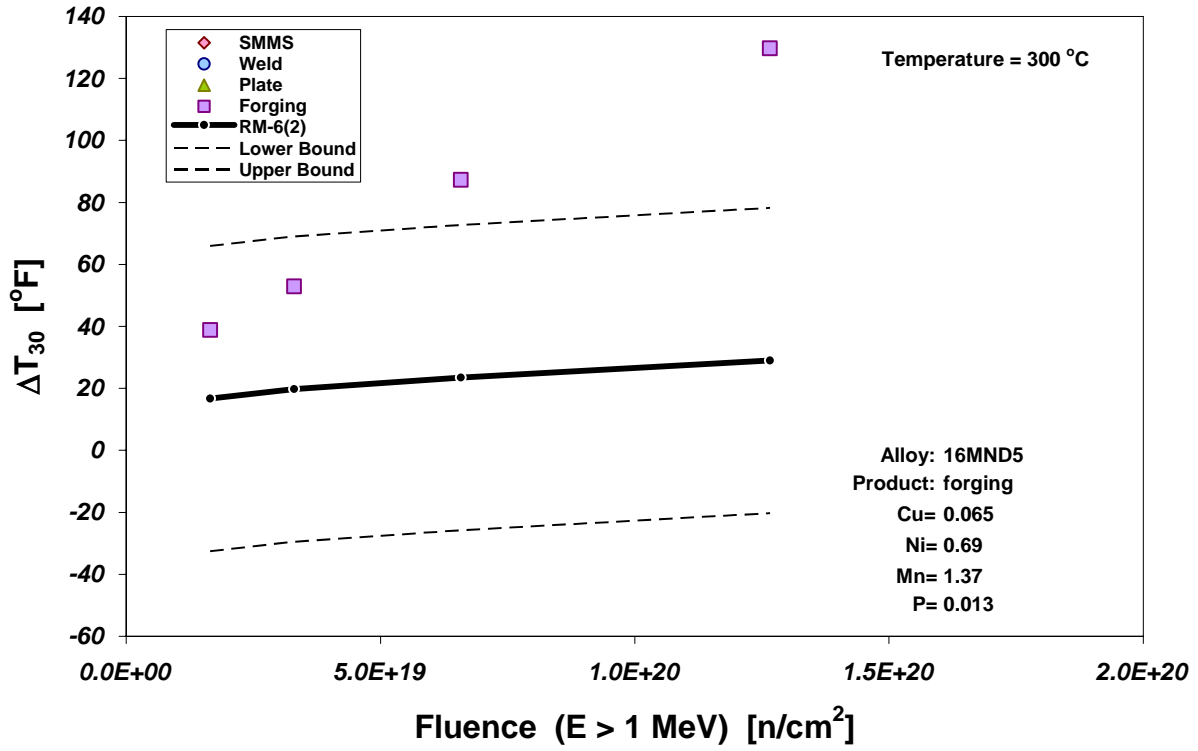
Table of RADAMO Chemistry Values

Alloy	Product Form	Composition [wt-%]				
		Cu	Ni	Mn	P	Si
16MND5	forging	0.065	0.69	1.37	0.013	0.04
18MND5-BM	plate	0.13	0.64	1.55	0.008	0.25
18MND5-W	weld	0.12	1.01	1.3	0.021	0.19
20MnMoNi55	forging	0.11	0.8	1.29	0.007	0.2
72W	weld	0.23	0.6	1.6	0.006	0.44
73W	weld	0.31	0.6	1.56	0.005	0.45
A508-B	forging	0.05	0.75	1.43	0.008	0.28
A508-W	weld	0.07	0.83	1.57	0.015	0.22
HSST-03	plate	0.12	0.62	1.36	0.011	0.26
JRQ	plate	0.14	0.84	1.42	0.017	0.24
VVER-1000B	plate	0.05	1.26	0.46	0.008	0.3
VVER-1000W	weld	0.06	1.7	0.73	0.006	0.14
VVER-440B	plate	0.08	0.12	0.4	0.012	0.29
VVER-440W	weld	0.13	0.12	0.97	0.032	0.5

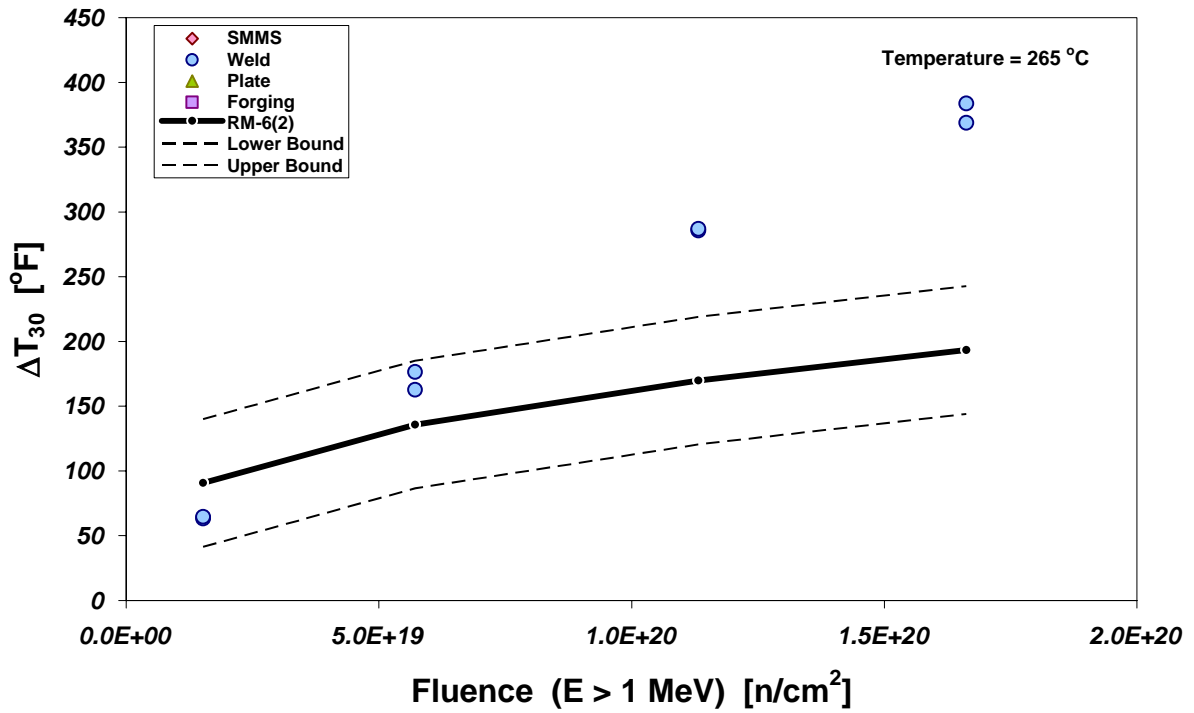
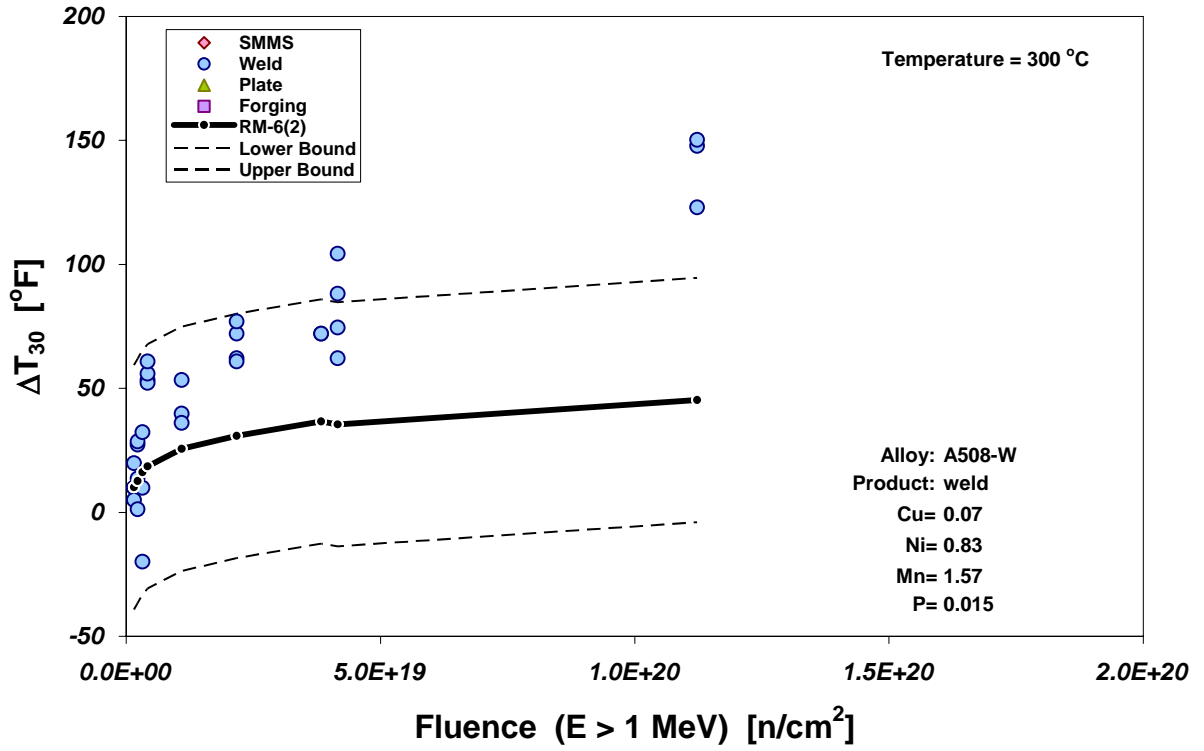


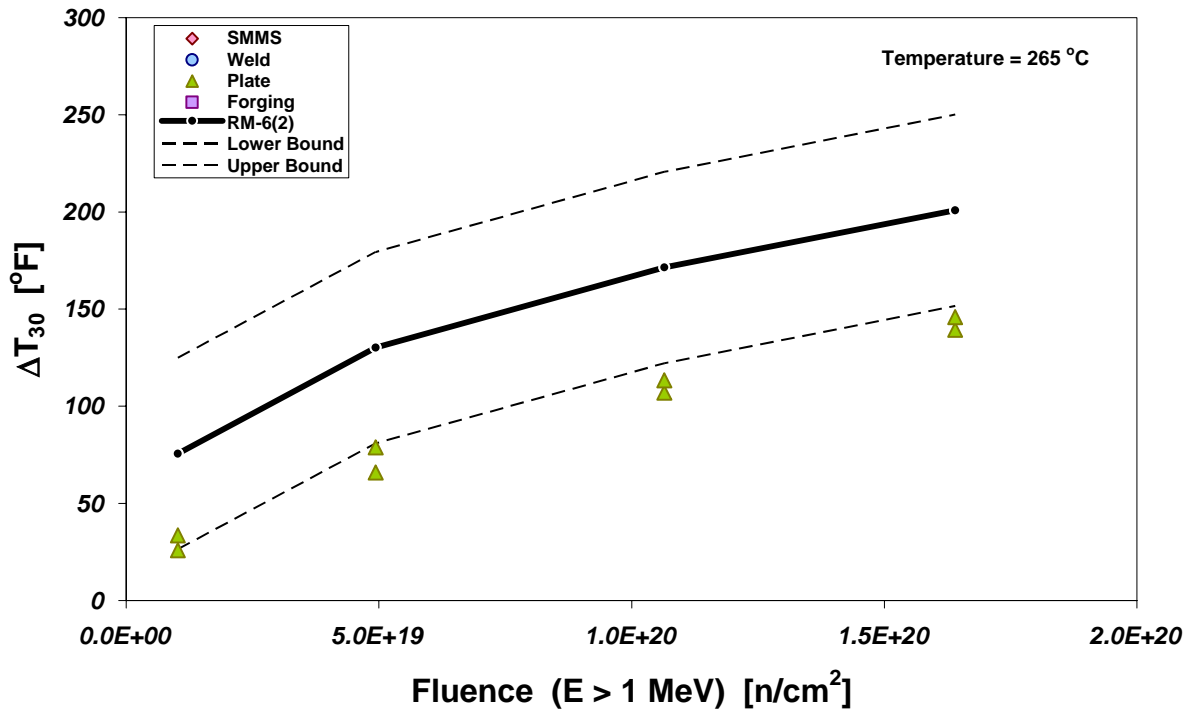
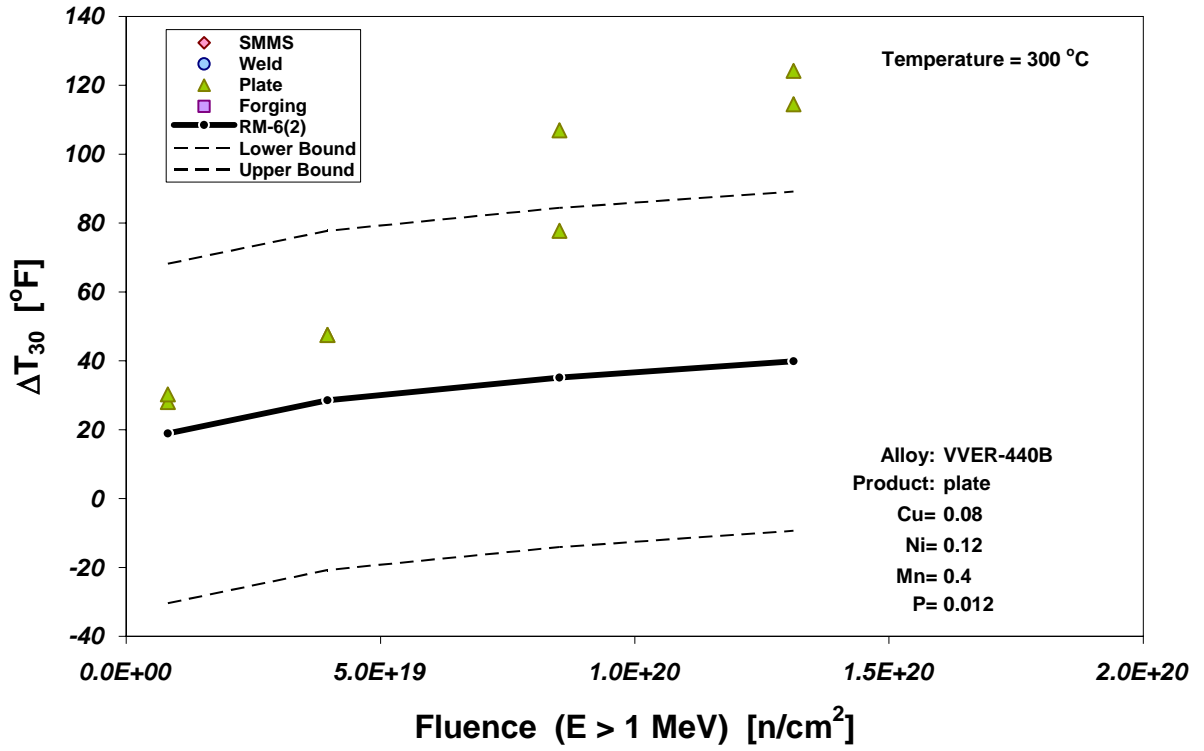


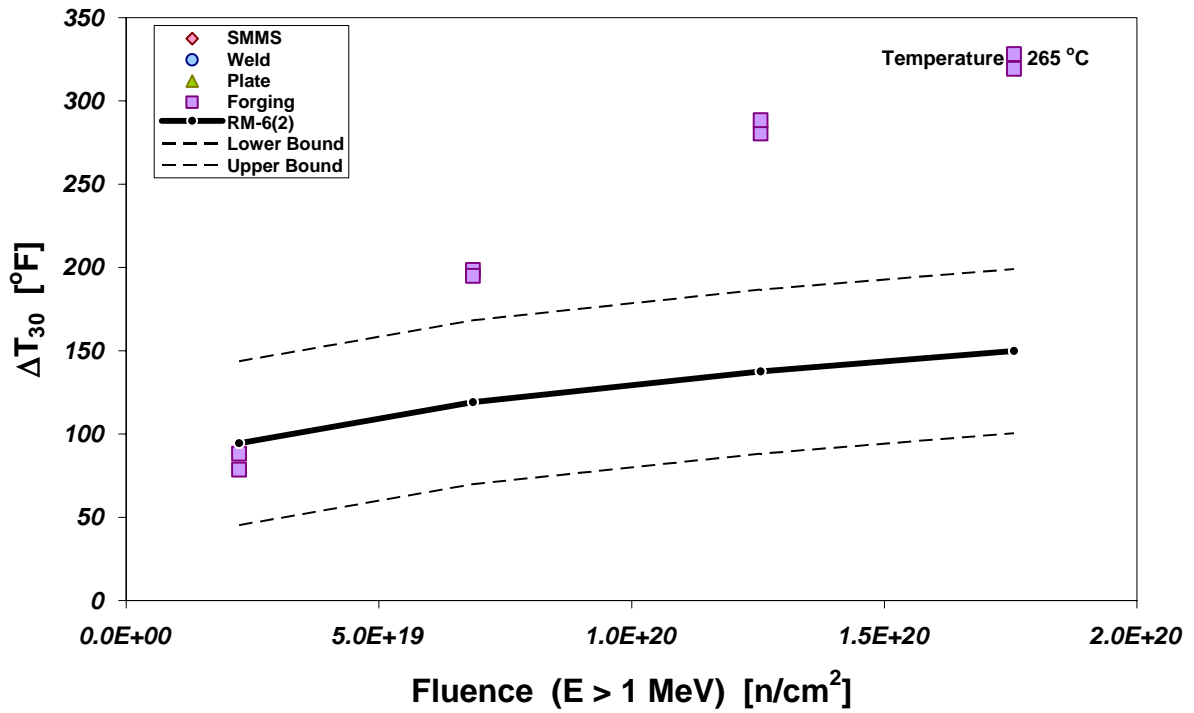
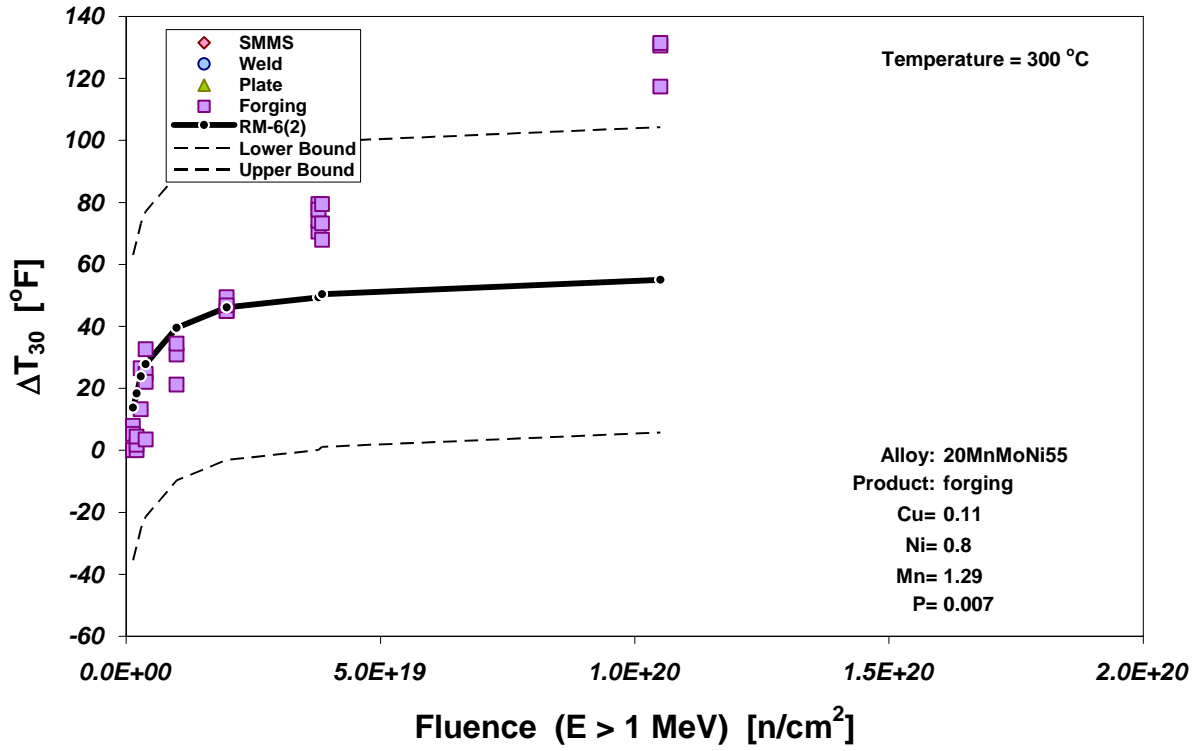


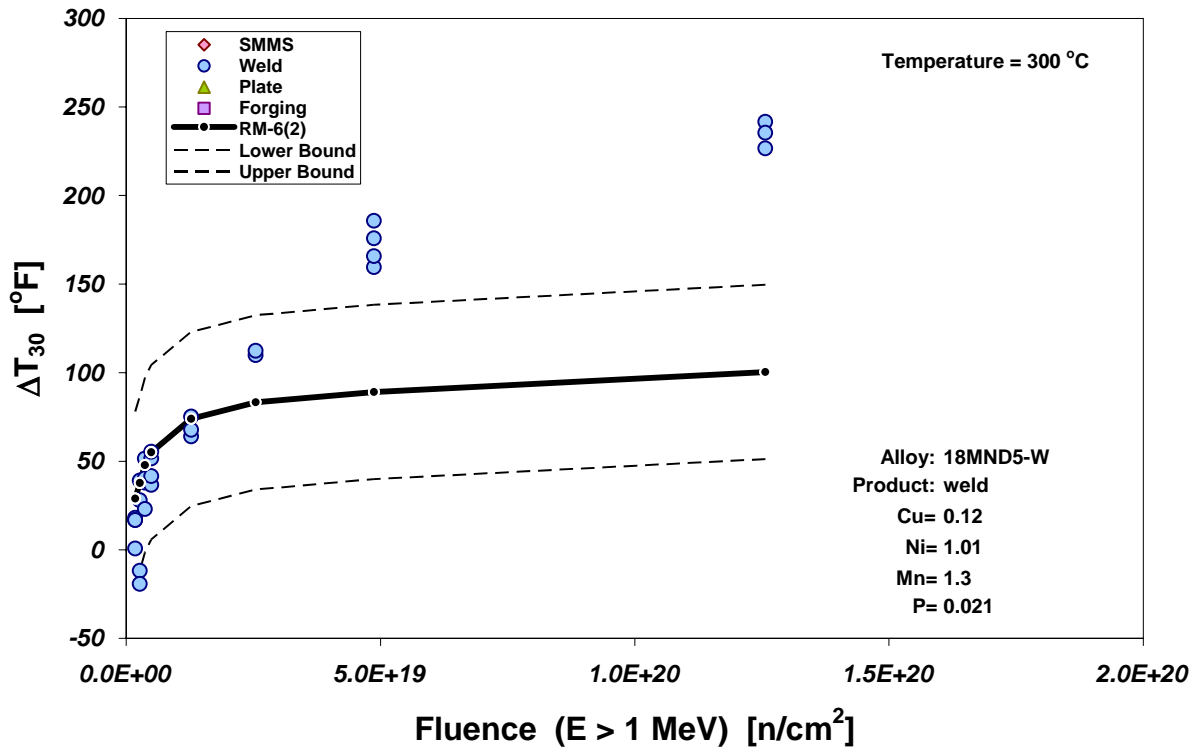


No data reported in RADAMO at 265 °C for this alloy.









No data reported in RADAMO at 265 °C for this alloy.

