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* RINSC leu fuel cell 7/98, treat B10 in clad as an non-depeletable
material or set NMATERIAL 4 2 10/98
CELL 6
NPLATE 1
SEQUENCE 2
NGROUP 69 0 7
NMESH 7 7
NREGION 4 0 4
NMATERIAL 4 1
PREOUT
LAST PRELUDE CARD
INITITATE
1st MAIN DATA CARD
SLAB 1 0.02540 1
MEAT
SLAB 2 0.06350 2
CLAD
SLAB 3 0.17530 3
D2O
SLAB 4 0.17751 4
Xtra region sideplate & water gap
MESH 2 2 2 1
MATERIAL 1 -1 300.0 1 27 3.88984E-02 29 5.94365E-03 $
Meat
235.1 1.75523E-03 238.1 7.04193E-03 149 1.00E-15 $
135 1.000E-20 3239.1 1.000E-20 $
240.1 1.000E-20 241.1 1.000E-20 242.1 1.000E-20 $
1241.1 1.000E-20 1149 1.000E-20 2135 1.000E-20 $
236.1 1.00E-20 1238.1 1.000E-20 237.1 1.00E-20
MATERIAL 2 -1 300.0 2 27 6.02669E-02 1010 2.98636E-07 $
Al clad
11 1.21115E-06
MATERIAL 3 -1 300.0 3 2001 6.68610E-02 16 3.34305E-02
H2O
MATERIAL 4 -1 300.0 4 27 4.2673E-02 2001 1.9519E-02 $
Xtra region
16 9.7597E-03
POWERC 1 100 0.0 1
BEGINC
end of DATA
OPTION 3
full edit
BUCKLING 2.77E-03 2.33E-03
B-sq no eff on xs
LEAKAGE 5 1
BEEONE 0 7
REGION 1 3 1 4
ISOXS 0 1 15 1 1 1 1 0 0
generate LFP & MCNP 69 Group LFP
IBURN 0 1 1 1 0 0 0 0 1 0 1 0 0 0
HUSE
RINSC isotxs
HSETID
RINSC LEU fuel element isotopes

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[illegible]