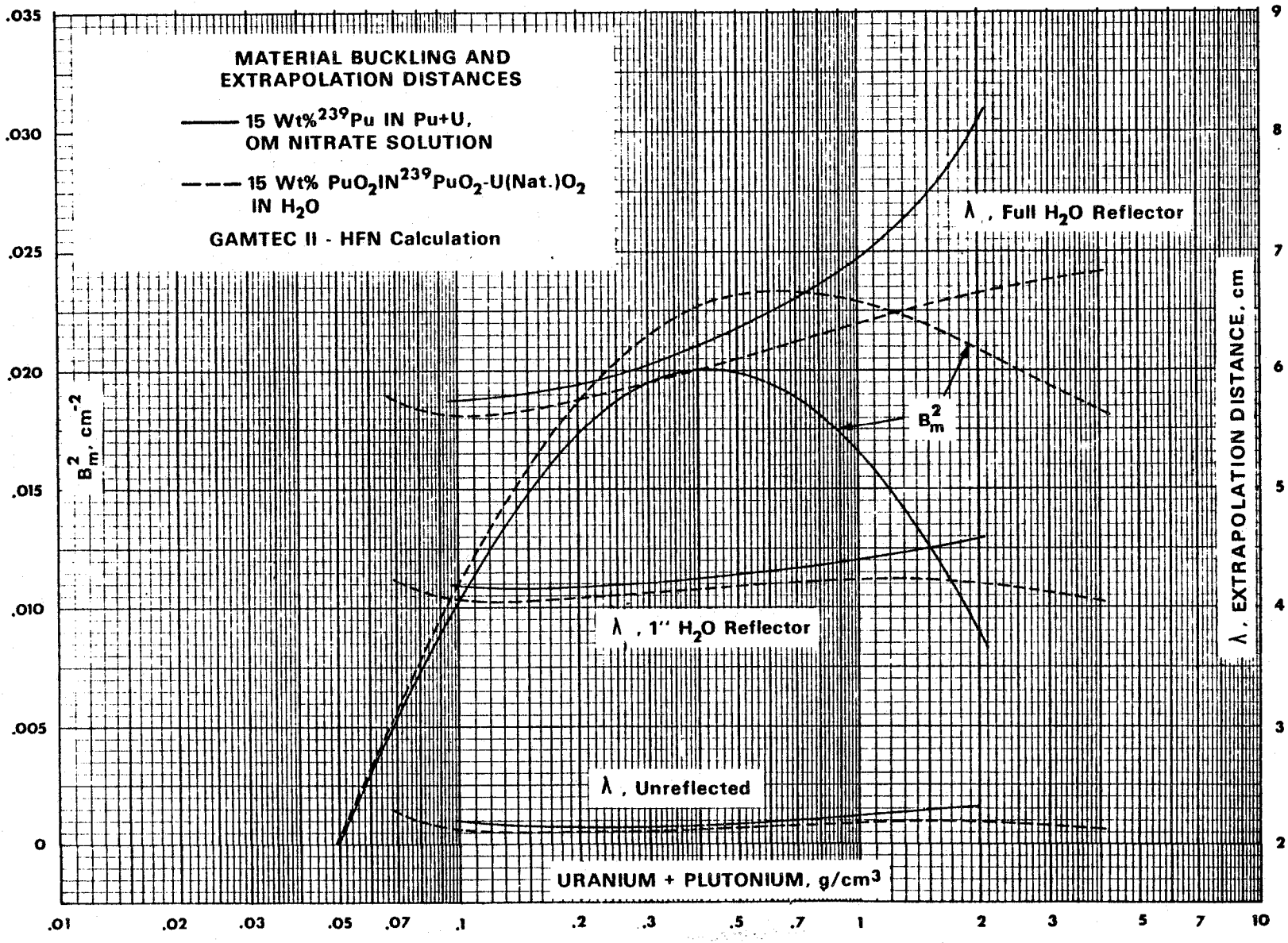
MATERIAL BUCKLING AND
EXTRAPOLATION DISTANCES
15 Wt% 239Pu IN Pu+U,
OM NITRATE SOLUTION
15 Wt% PuO2IN239PuO2-U(Nat.)O2
IN H2O
GAMTEC II - HFN Calculation
λ, Full H2O Reflector
λ, 1" H2O Reflector
λ, Unreflected
B2m
B2m, cm-2
λ, EXTRAPOLATION DISTANCE, cm
URANIUM + PLUTONIUM, g/cm3
.035
.030
.025
.020
.015
.010
.005
0
9
8
7
6
5
4
3
2
.01
.02
.03
.05
.07
.1
.2
.3
.5
.7
1
2
3
5
7
10