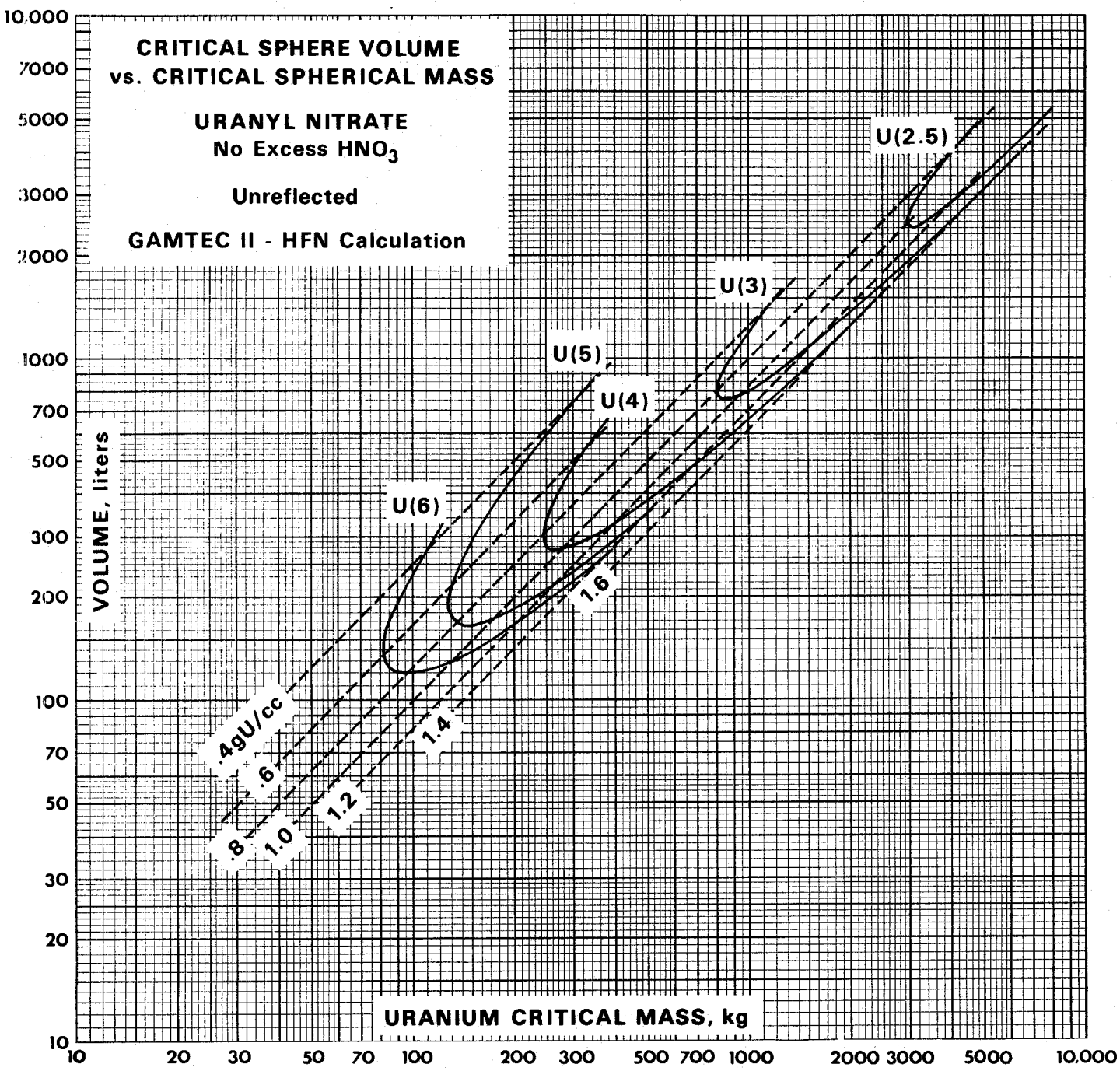
CRITICAL SPHERE VOLUME
vs. CRITICAL SPHERICAL MASS
URANYL NITRATE
No Excess HNO_3
Unreflected
GAMTEC II - HFN Calculation
VOLUME, liters
10,000
7000
5000
3000
2000
1000
700
500
300
200
100
70
50
30
20
10
URANIUM CRITICAL MASS, kg
10
20
30
50
70
100
200
300
500
700
1000
2000
3000
5000
10,000
U(2.5)
U(3)
U(5)
U(4)
U(6)
.4gU/cc
.6
.8
1.0
1.2
1.4
1.6