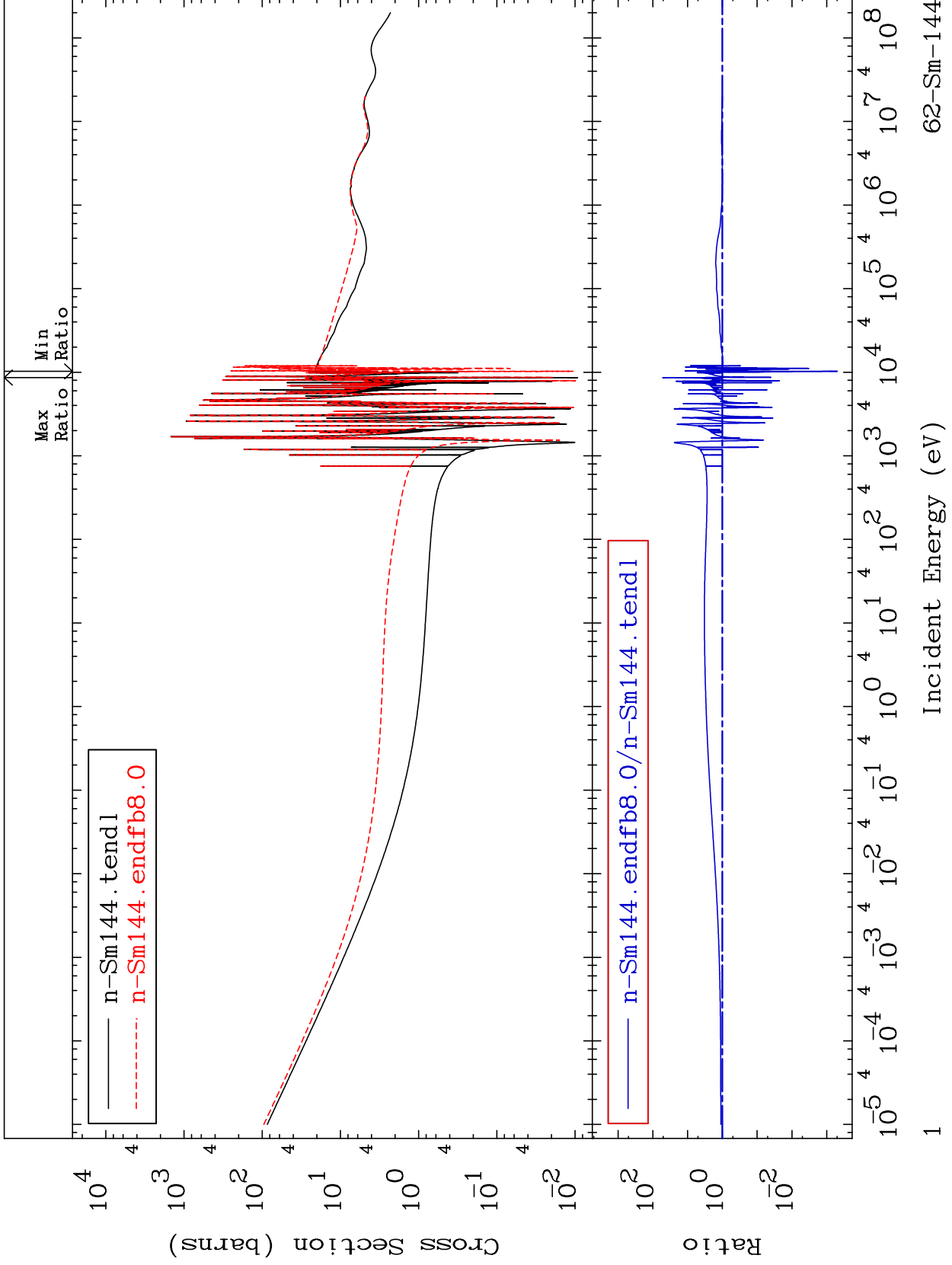


MAT 6225

Total
Cross Section

62-Sm-144
-99.95 To 5041. %



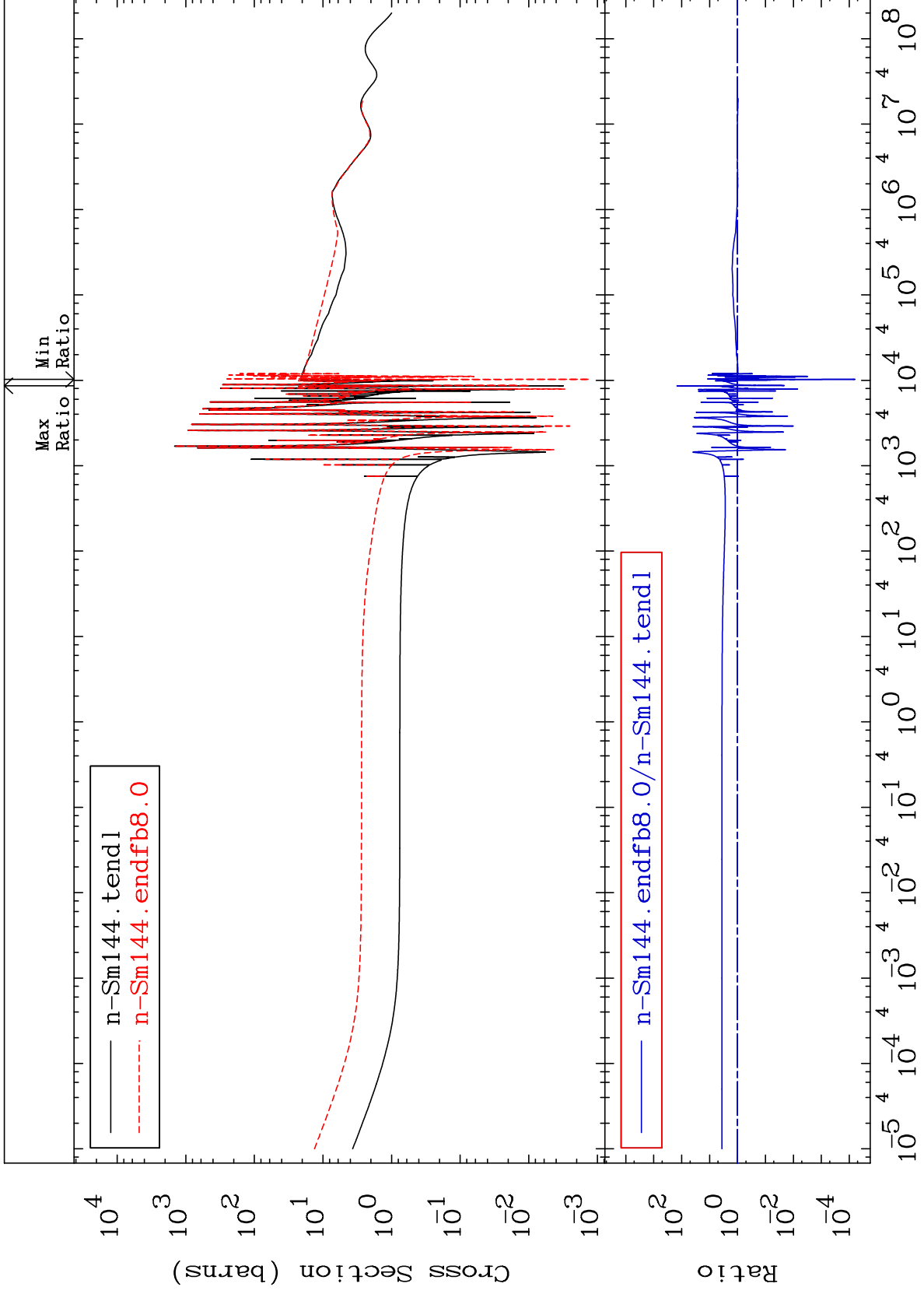
62-Sm-144

Incident Energy (eV)

MAT 6225

Elastic
Cross Section

62-Sm-144
-99.99 To 9999. %



2

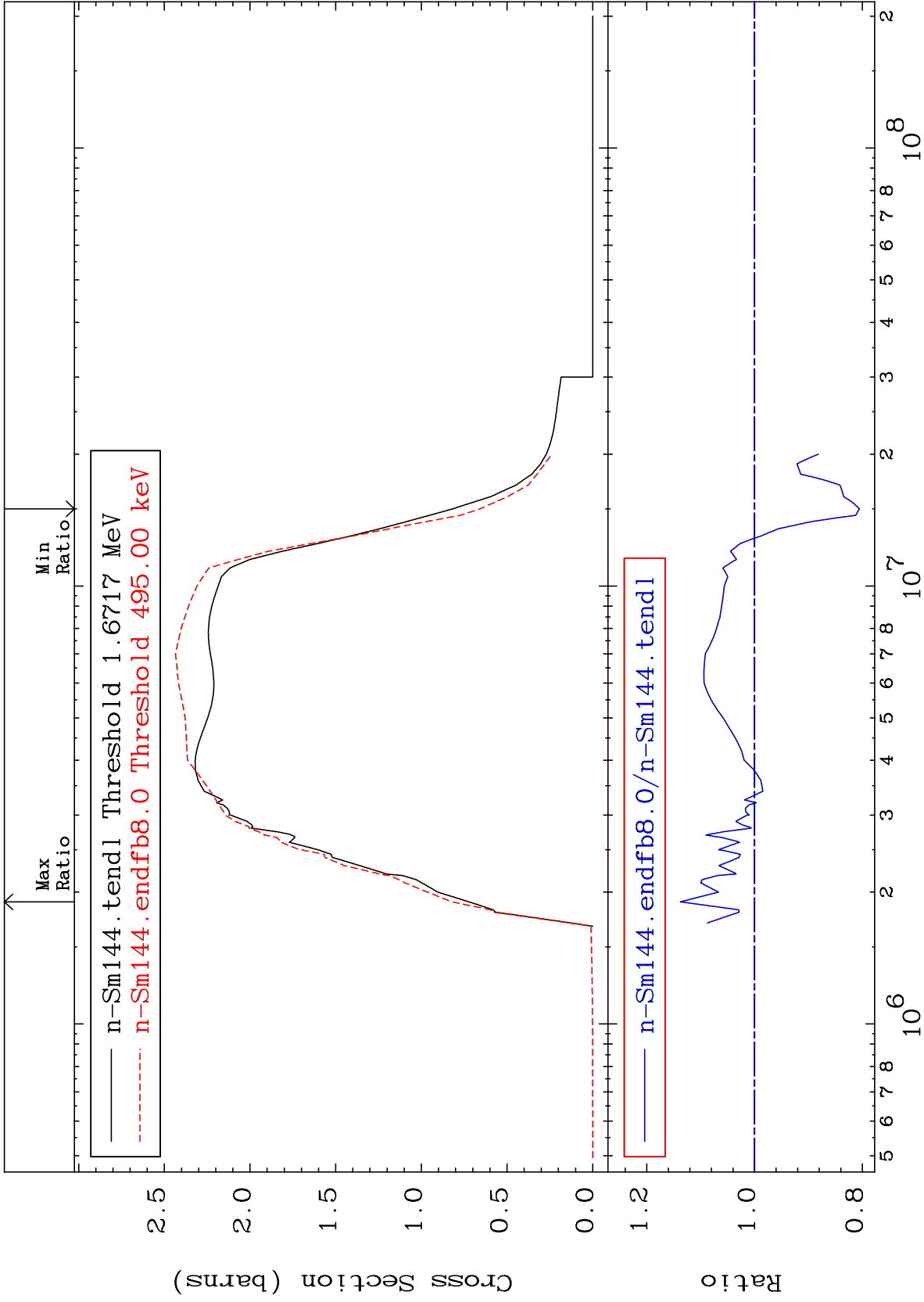
Incident Energy (eV)

62-Sm-144

MAT 6225

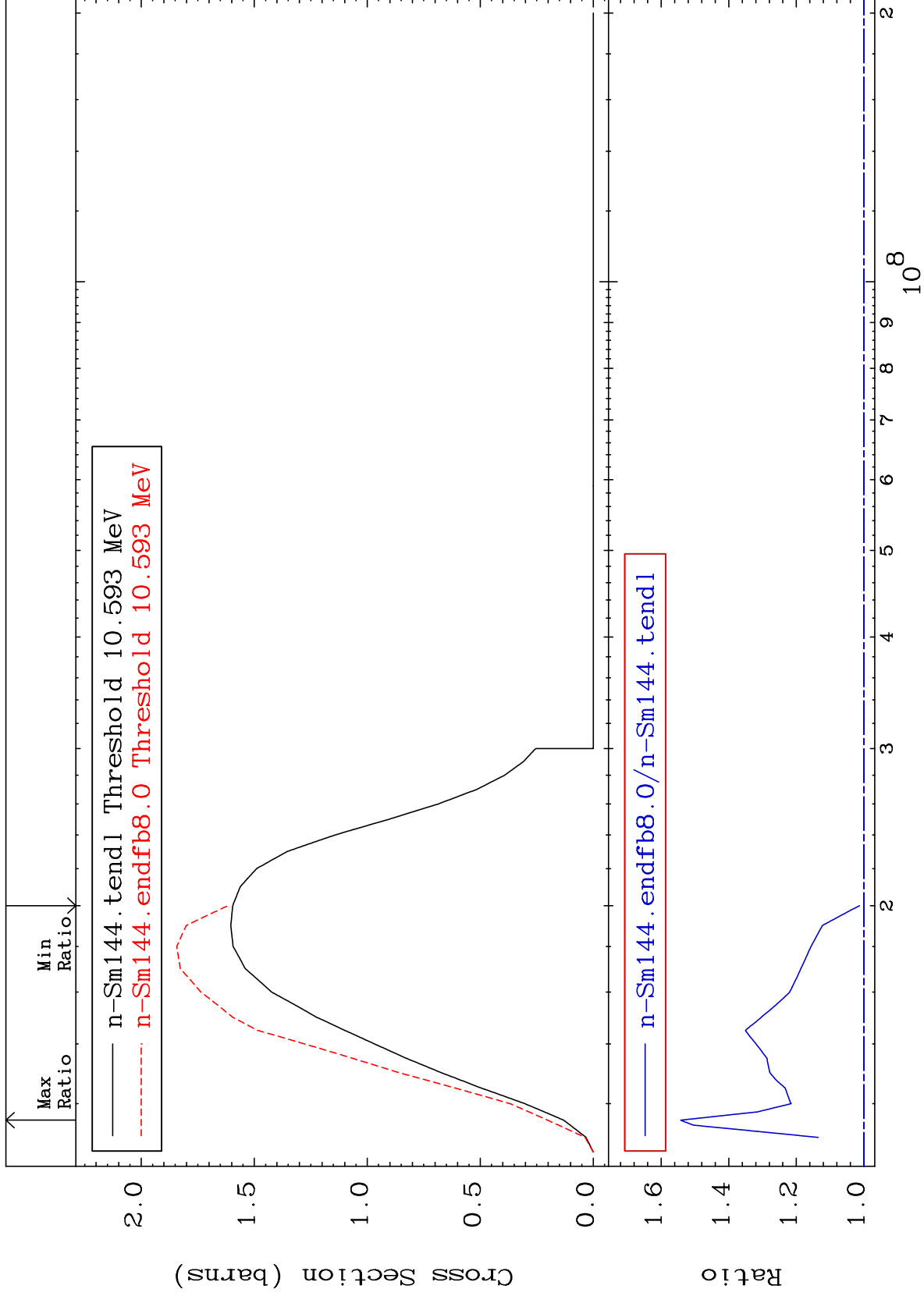
Inelastic
Cross Section

62-Sm-144
-19.46 To 13.77 %



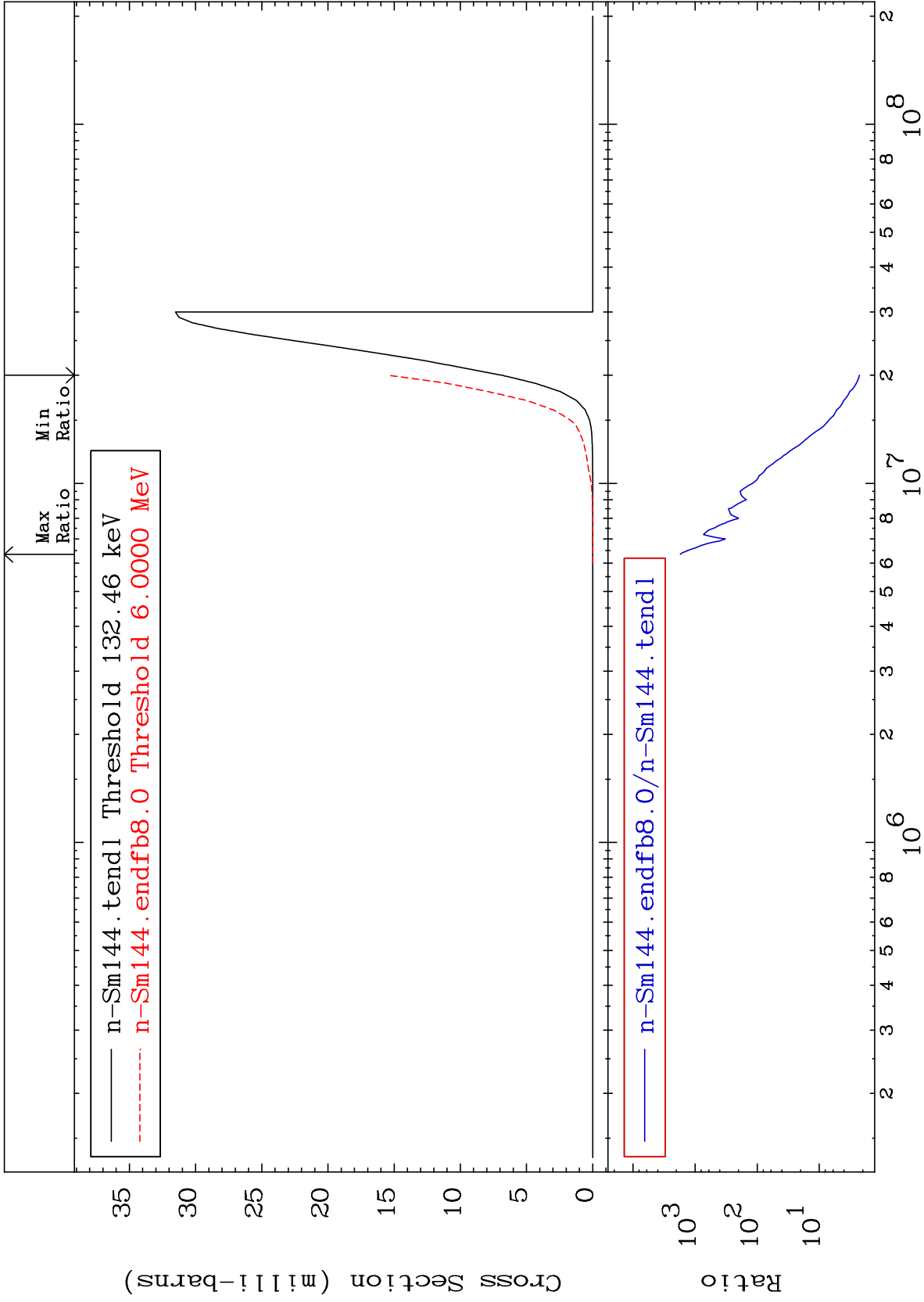
MAT 6225

(n,2n)
Cross Section
62-Sm-144
1.300 To 54.19 %



MAT 6225

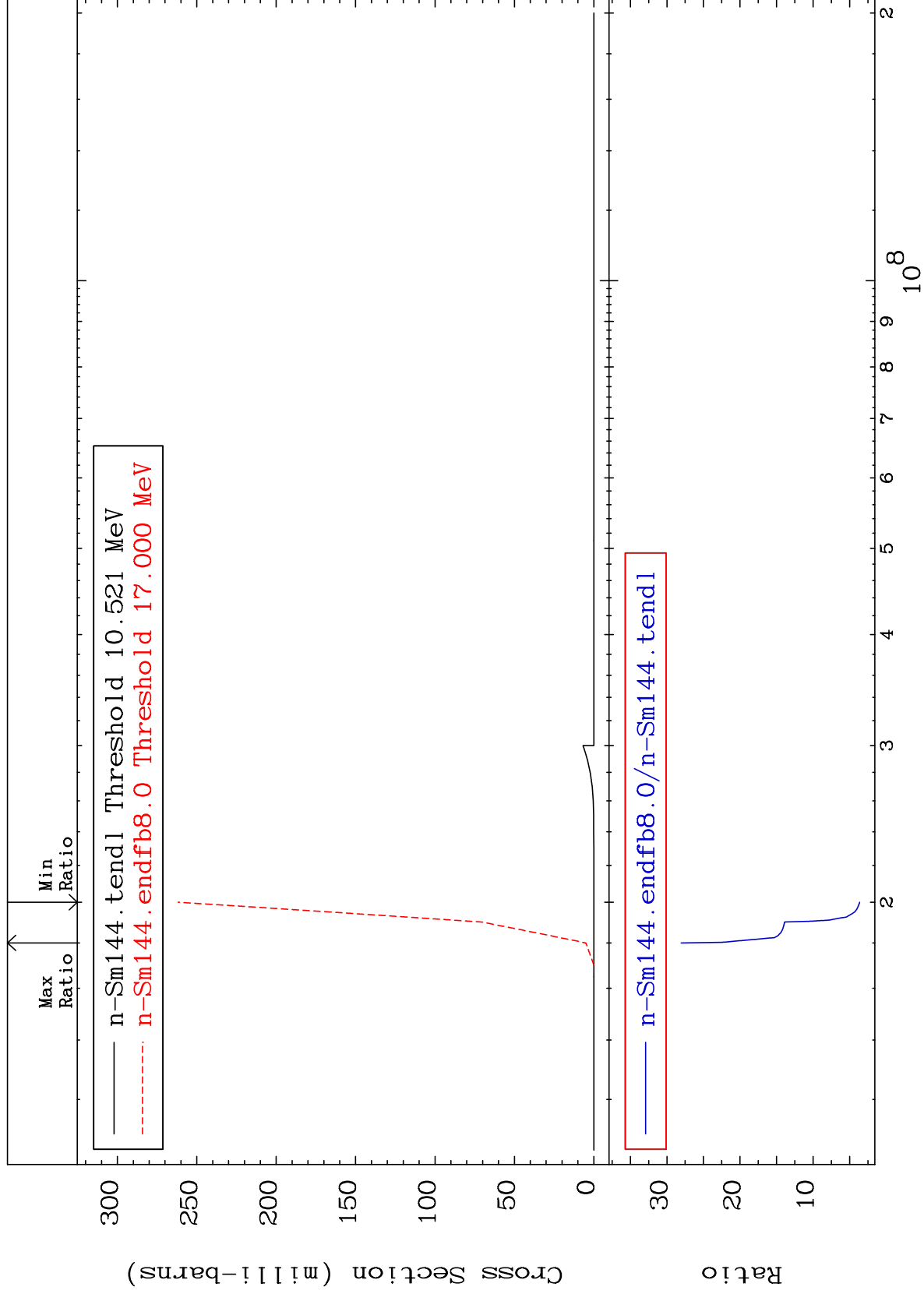
$(n, n') \alpha$ Cross Section
62-Sm-144
125.7 To 9999. %



MAT 6225

(n,2n) α
Cross Section

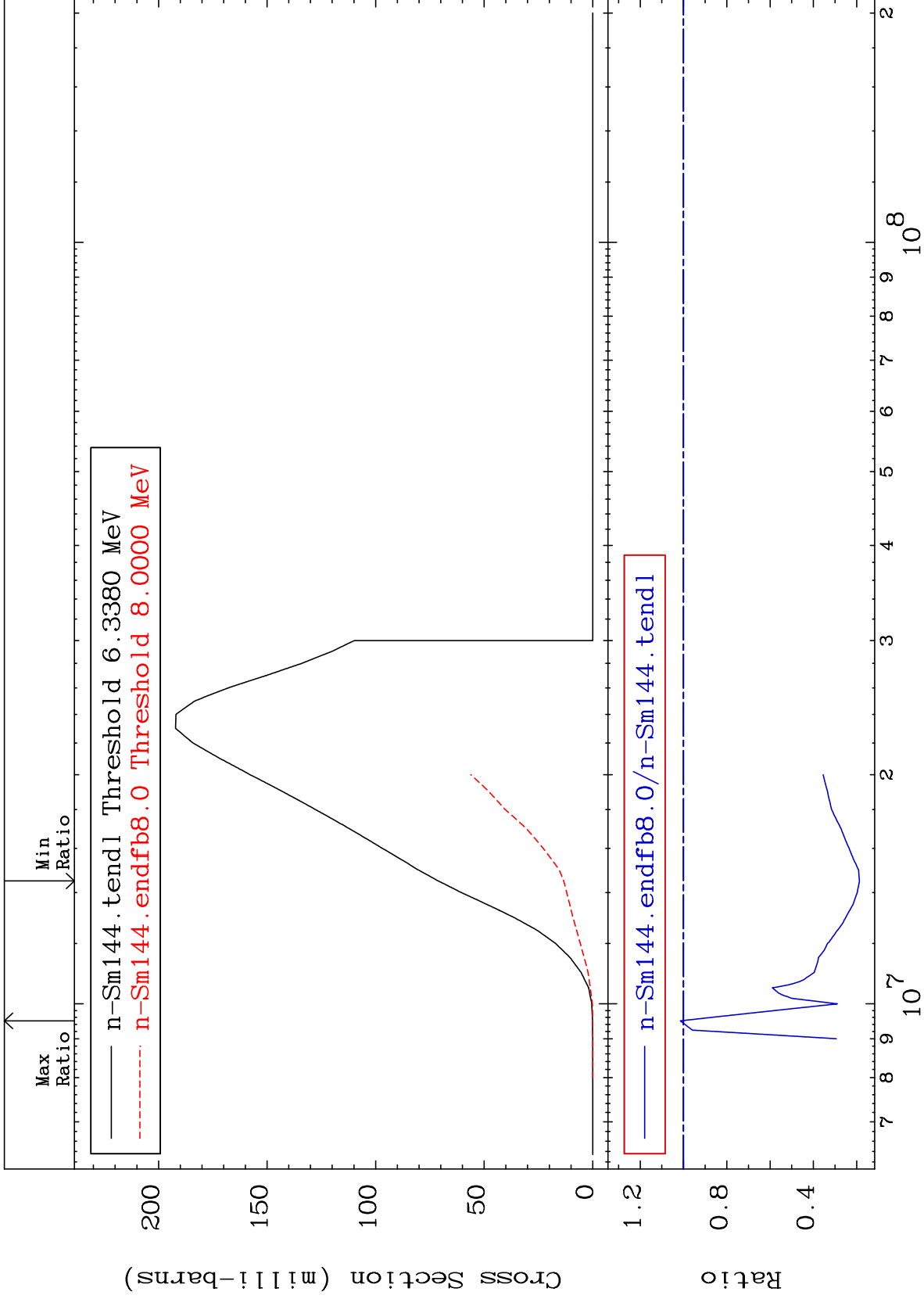
62-Sm-144
9999. To 9999. %



MAT 6225

(n, n') p
Cross Section

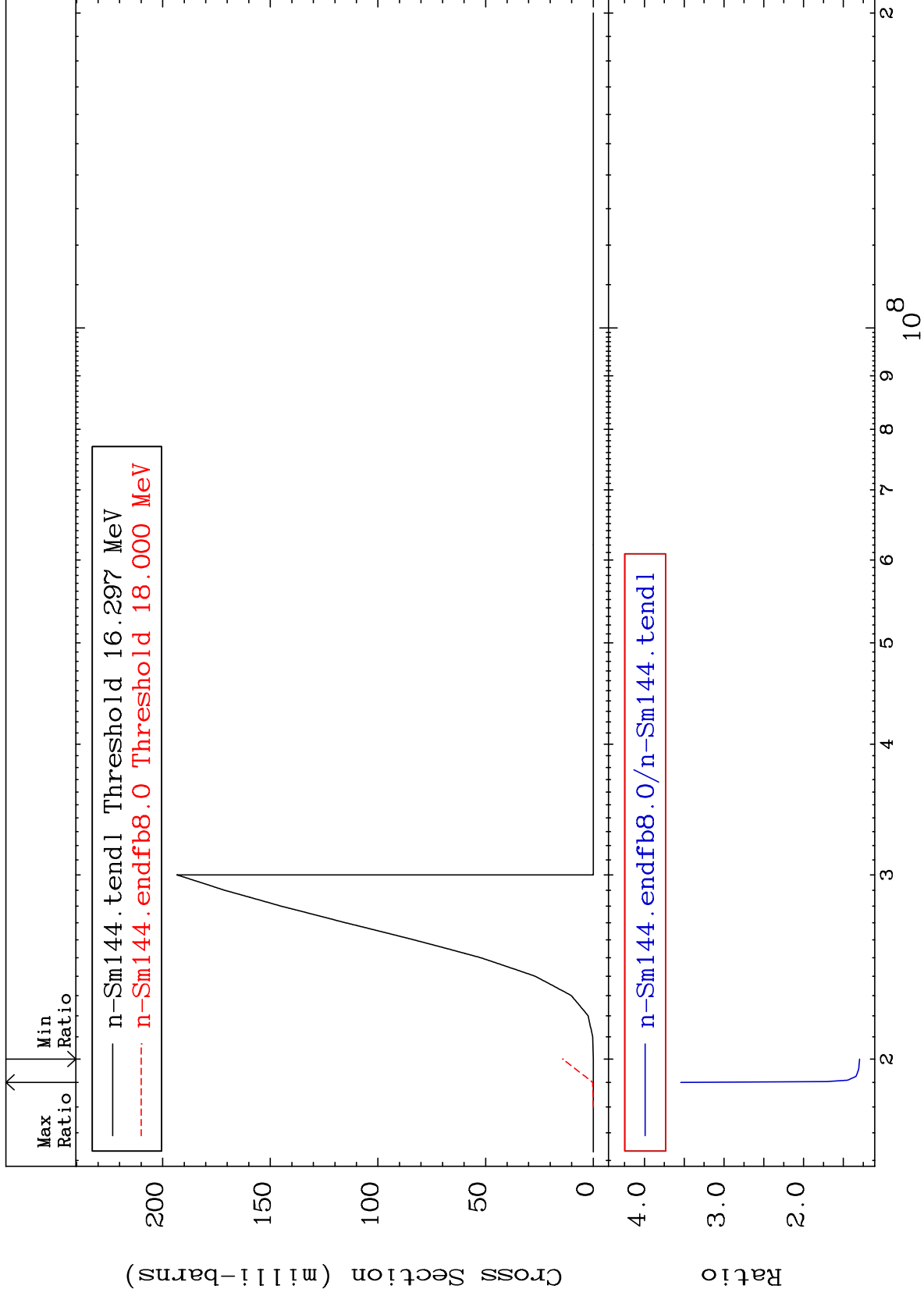
62-Sm-144
-81.26 To 1.454 %



7

Incident Energy (eV)

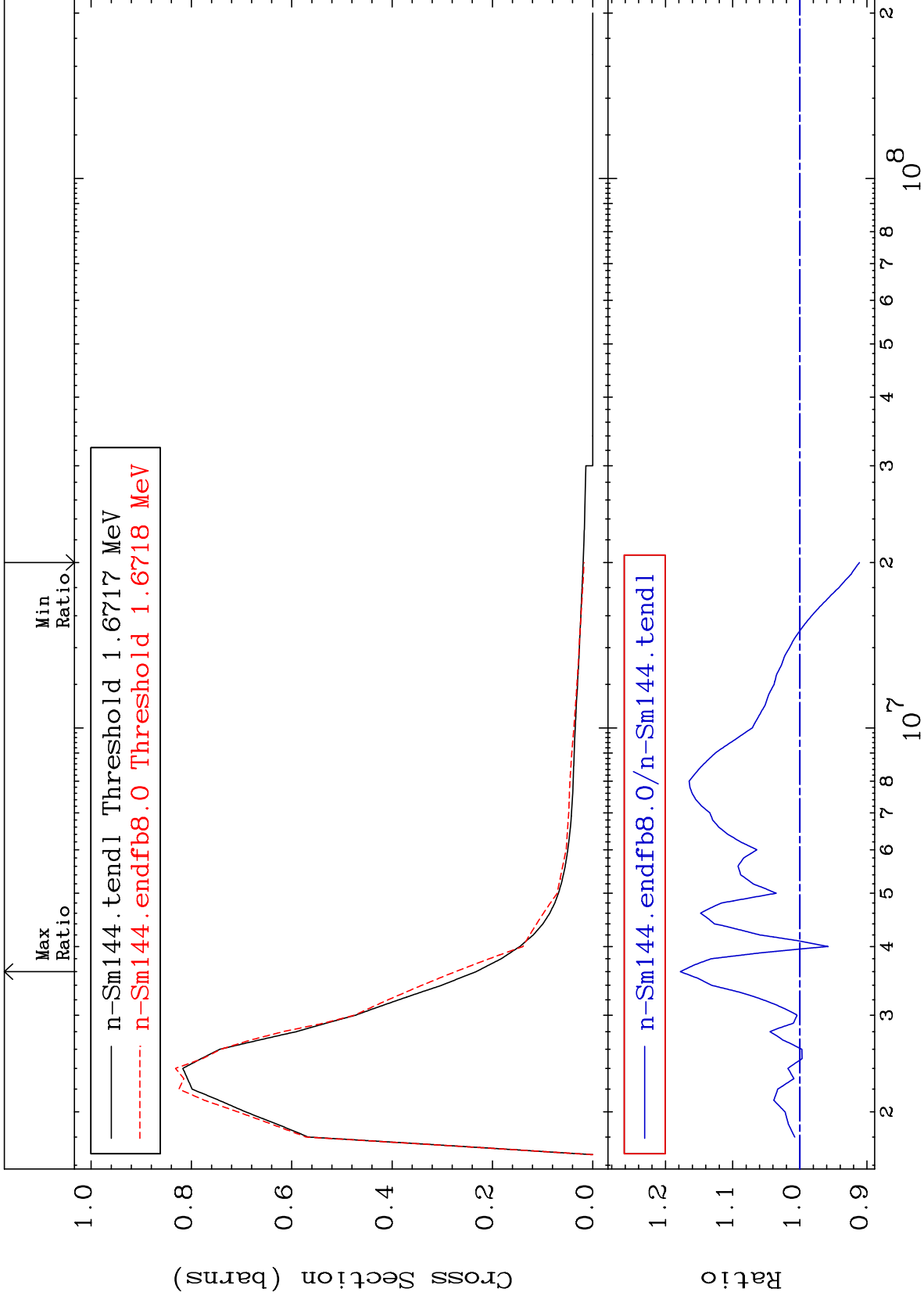
62-Sm-144



MAT 6225

MT= 51 (n,n') Level
Cross Section

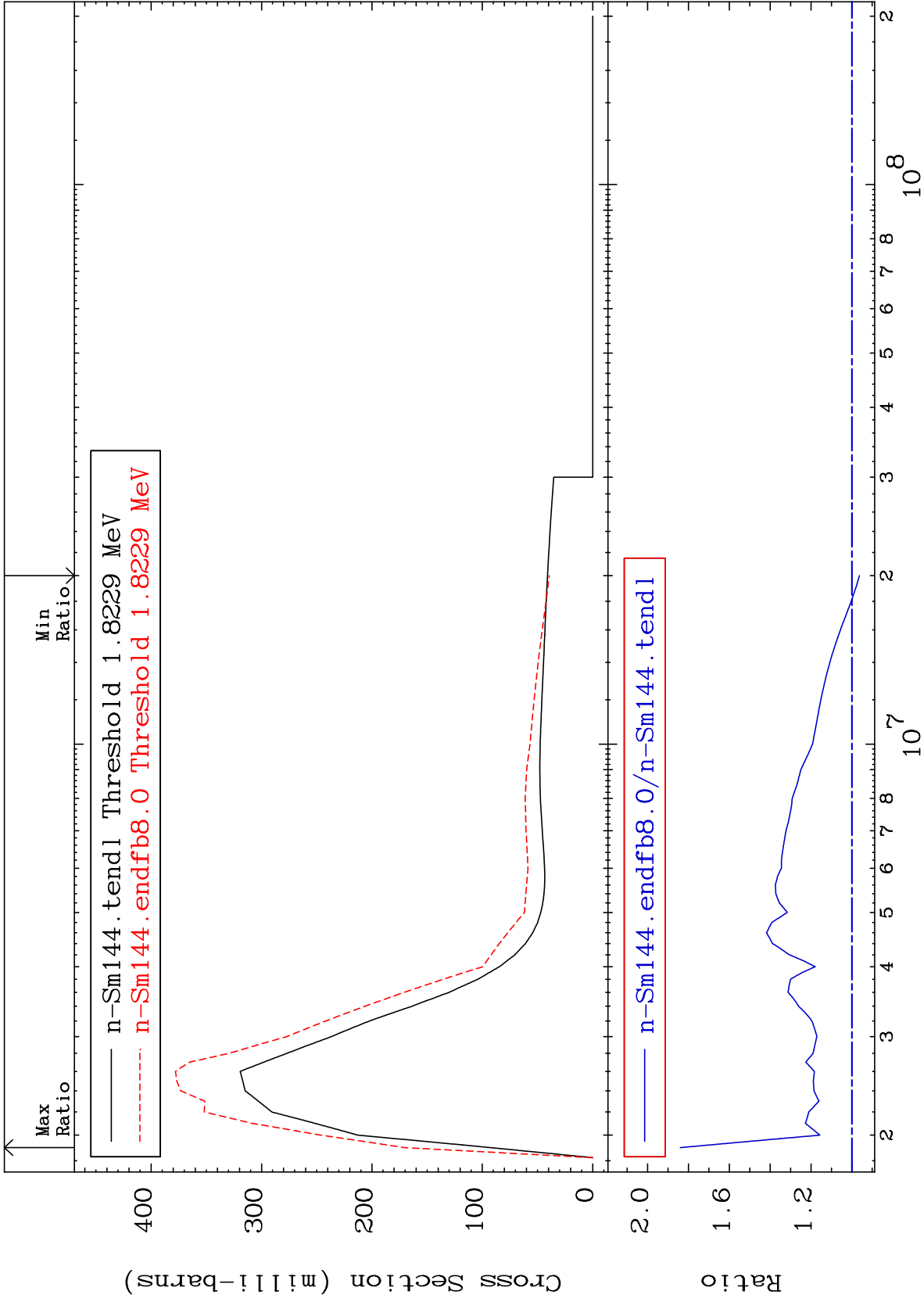
62-Sm-144
-8.869 To 17.79 %



MAT 6225

MT= 52 (n, n') Level
Cross Section

62-Sm-144
-3.728 To 83.97 %



10

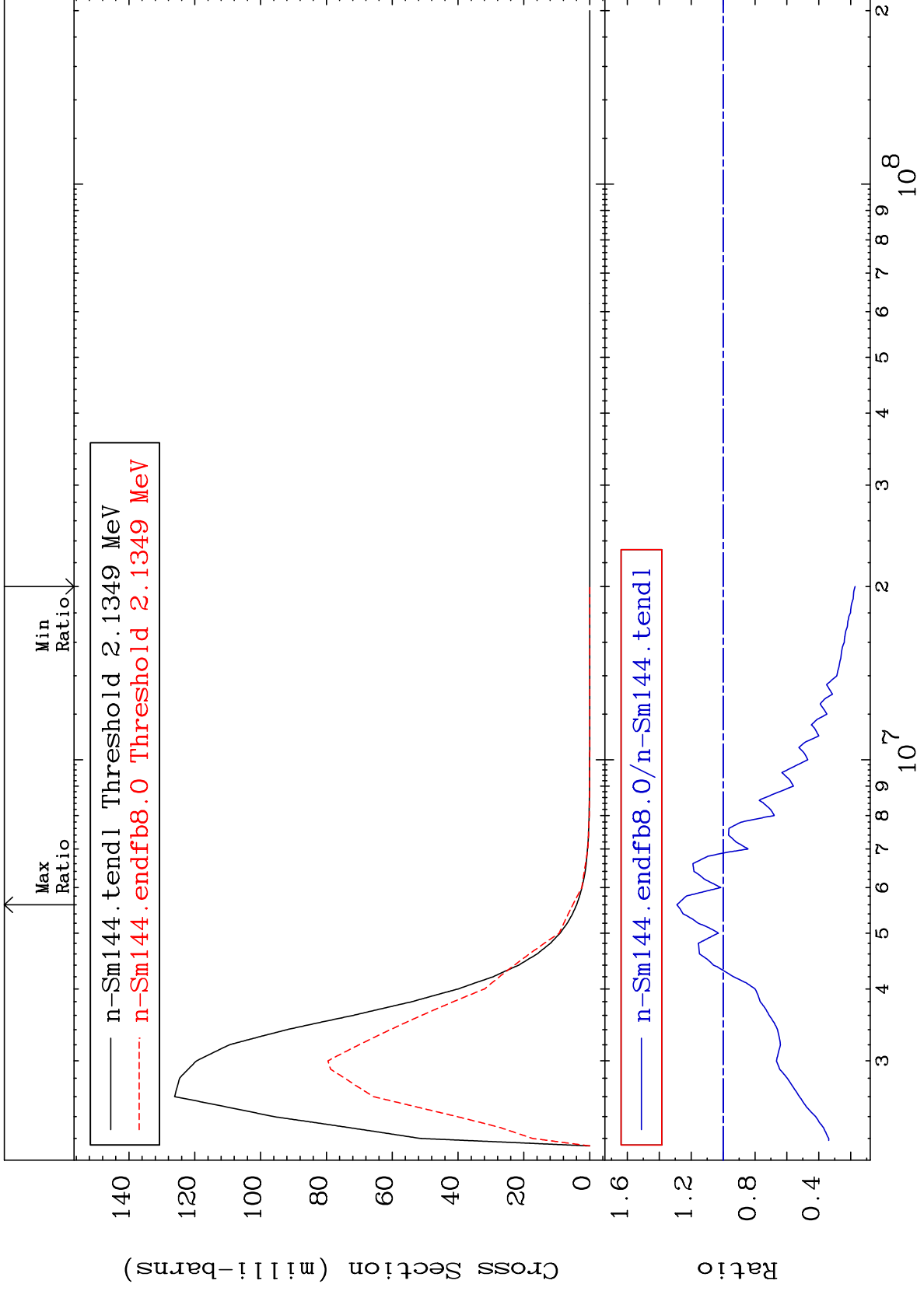
Incident Energy (eV)

62-Sm-144

MAT 6225

MT= 53 (n, n') Level
Cross Section

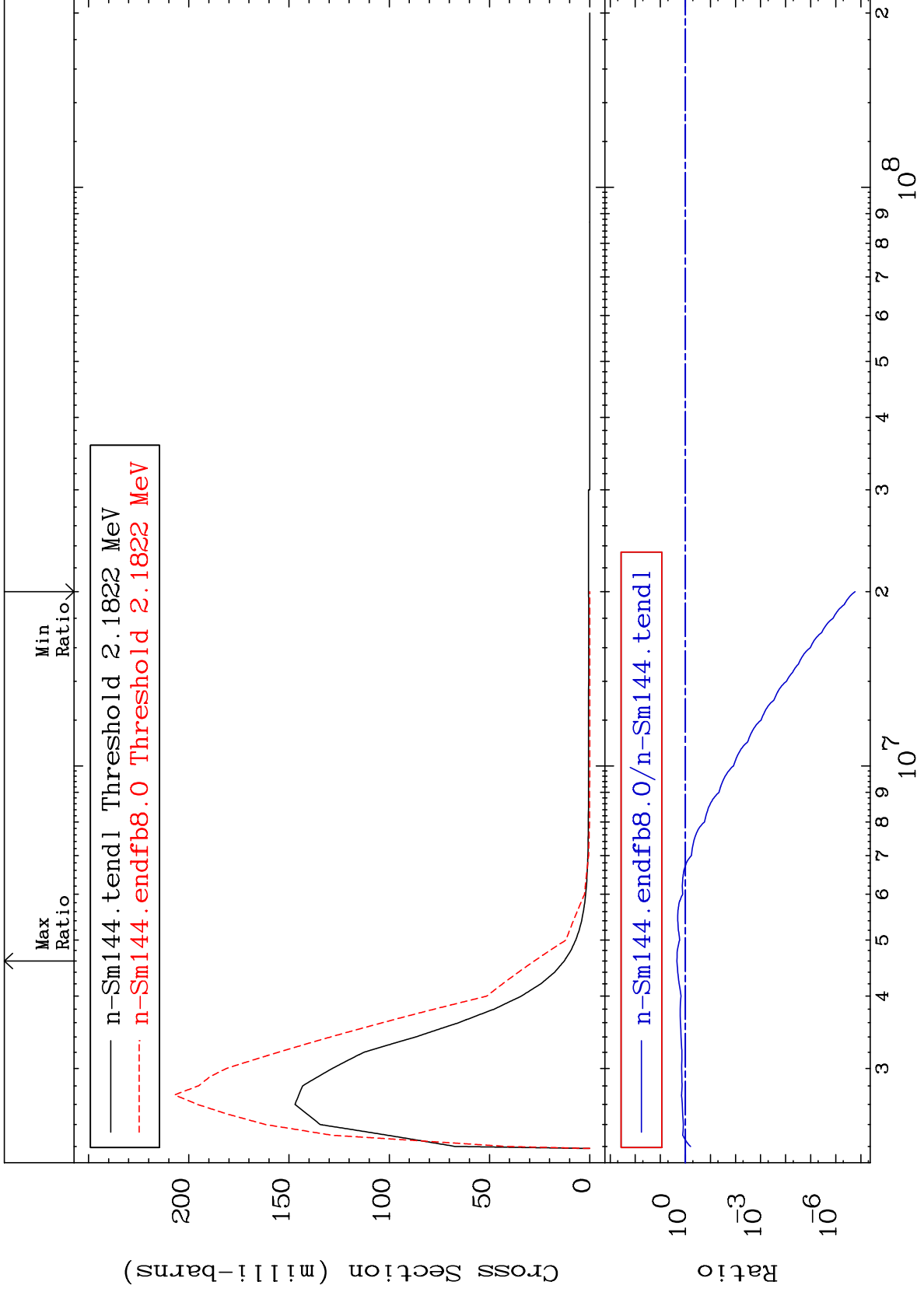
62-Sm-144
-82.74 To 28.94 %



MAT 6225

MT= 54 (n,n') Level
Cross Section

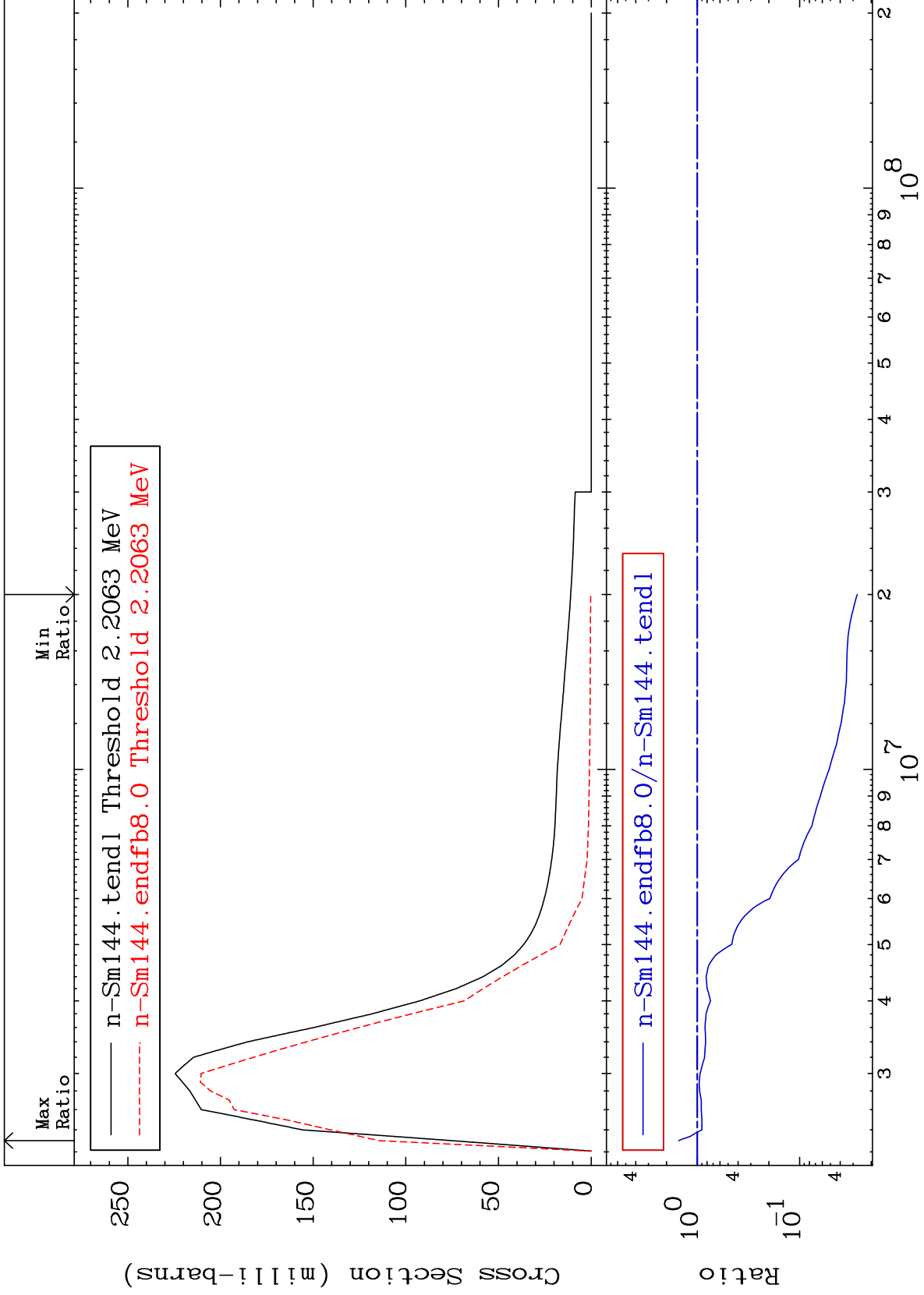
62-Sm-144
-100.0 To 117.7 %



MAT 6225

MT= 55 (n,n') Level
Cross Section

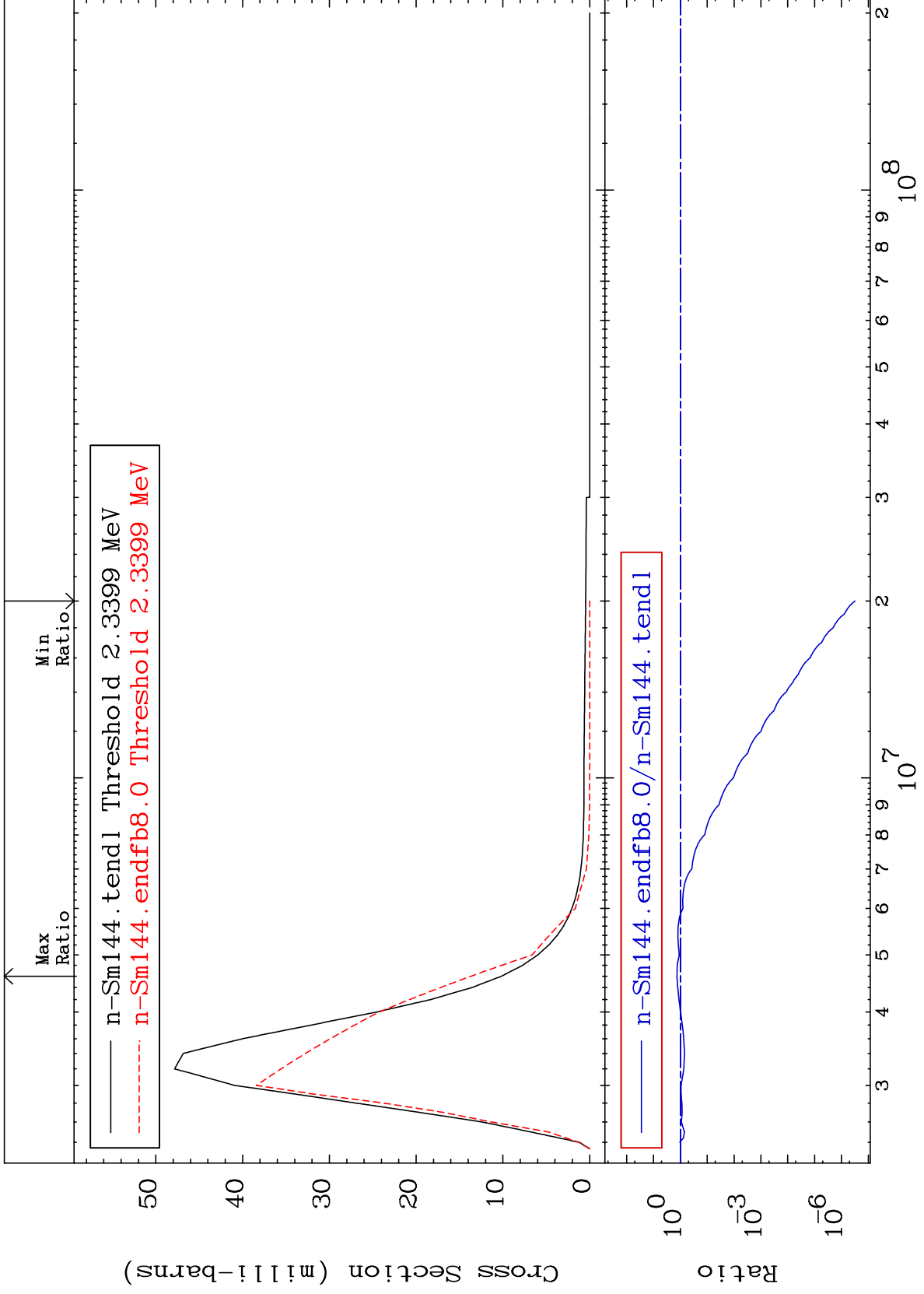
62-Sm-144
-97.27 To 52.04 %



MAT 6225

MT= 56 (n,n') Level
Cross Section

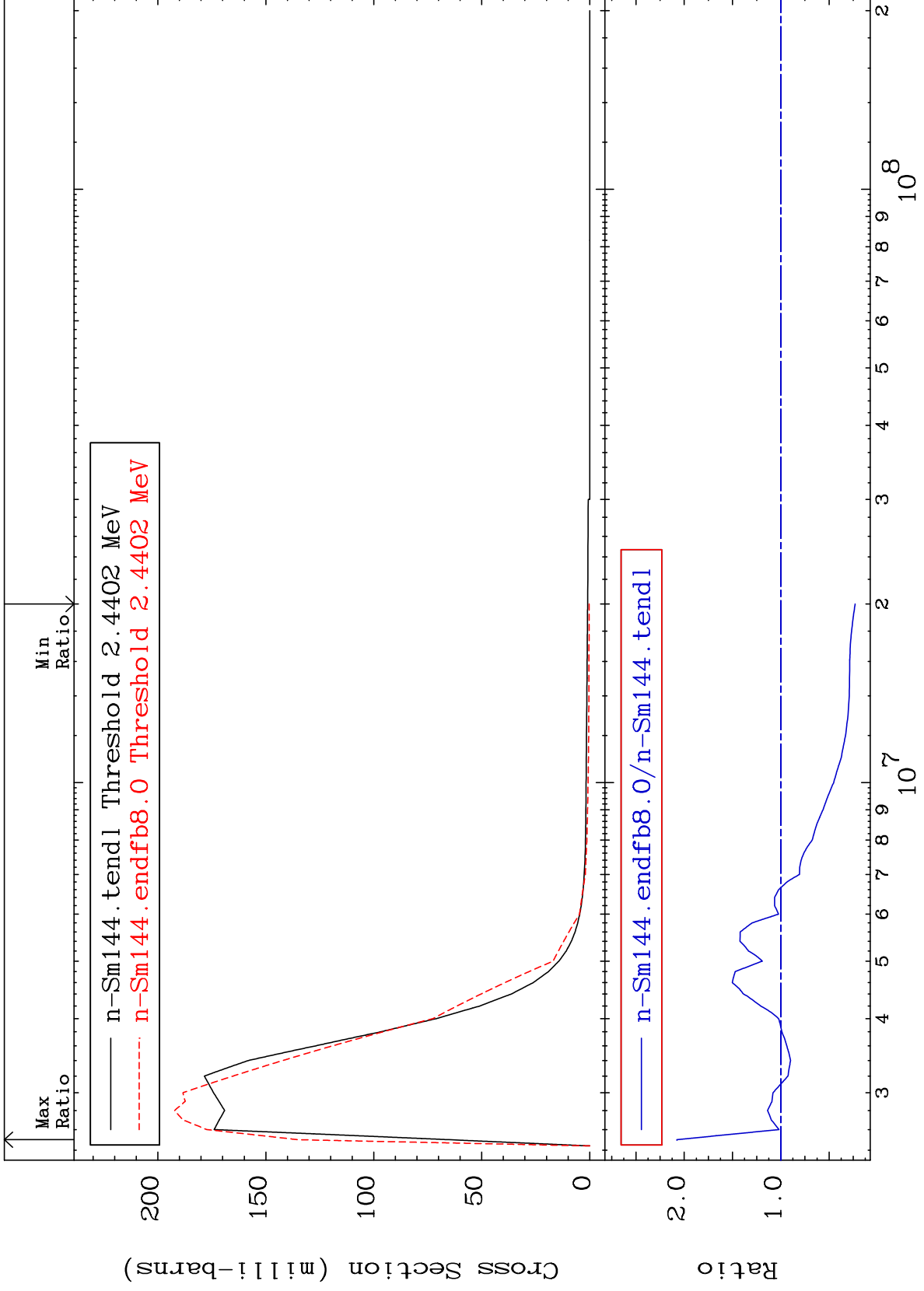
62-Sm-144
-100.0 To 34.43 %



MAT 6225

MT= 57 (n,n') Level
Cross Section

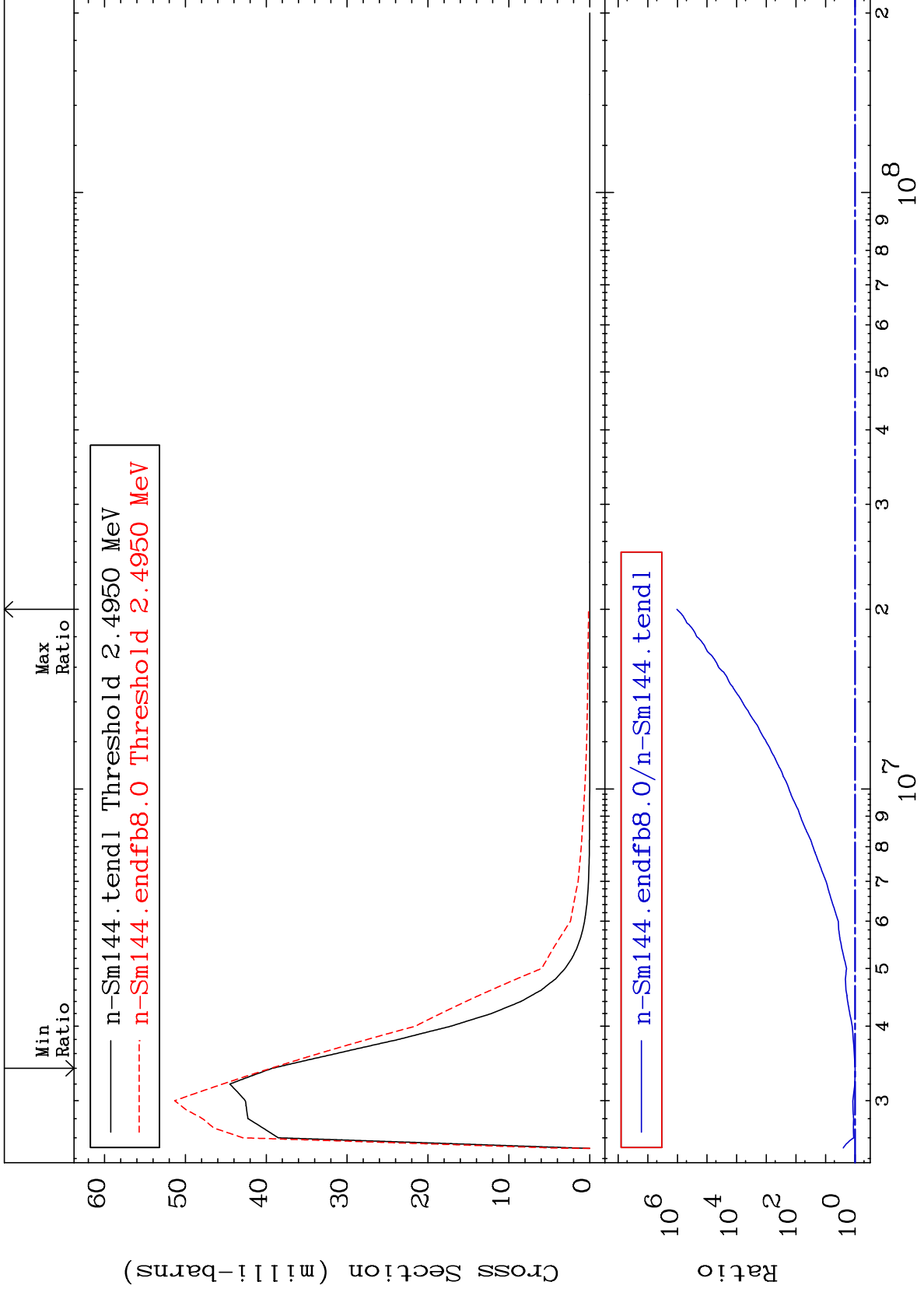
62-Sm-144
-76.91 To 107.6 %



MAT 6225

MT= 58 (n,n') Level
Cross Section

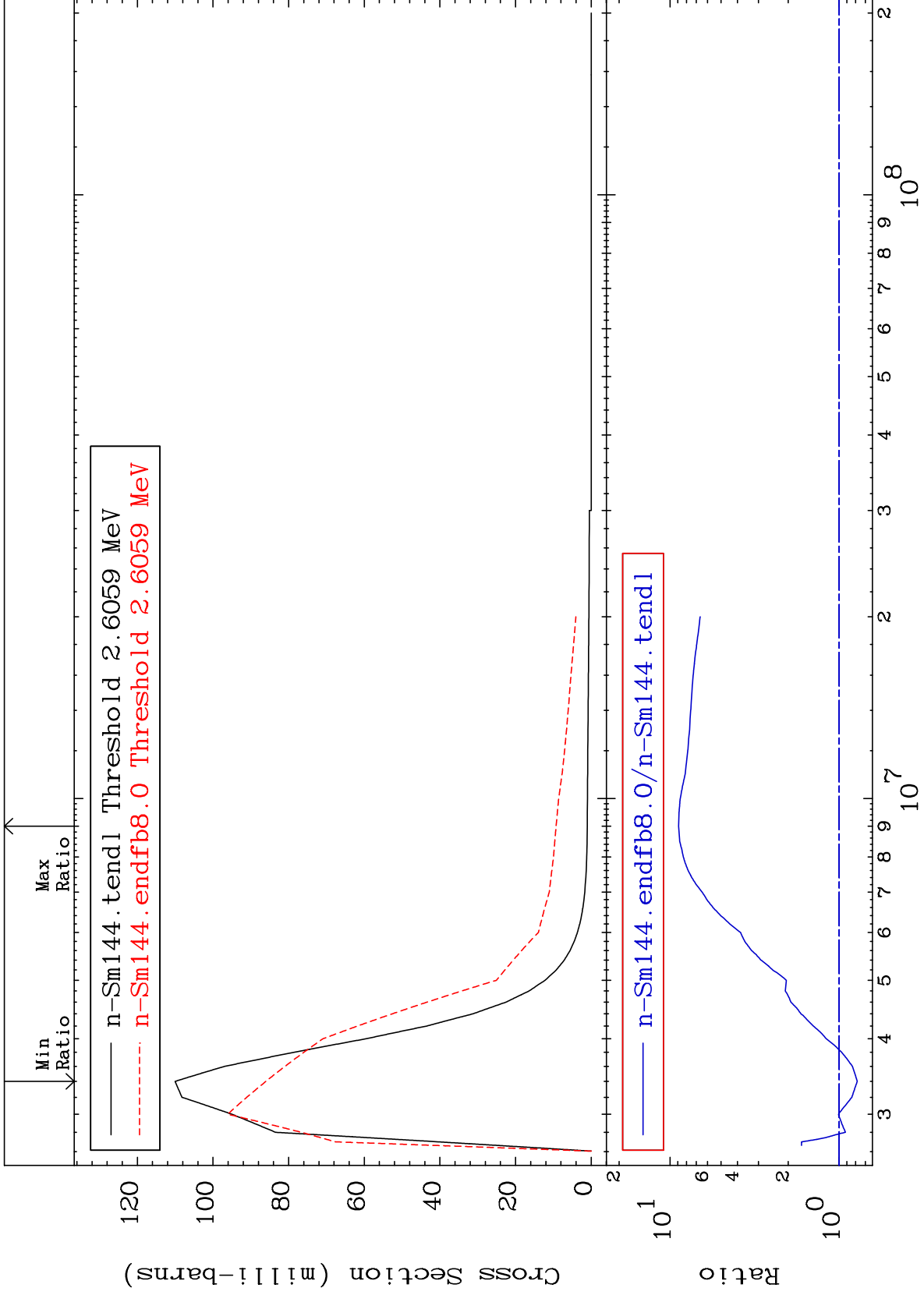
62-Sm-144
To 9999. %
0.439



MAT 6225

MT= 59 (n,n') Level
Cross Section

62-Sm-144
-21.82 To 789.8 %



17

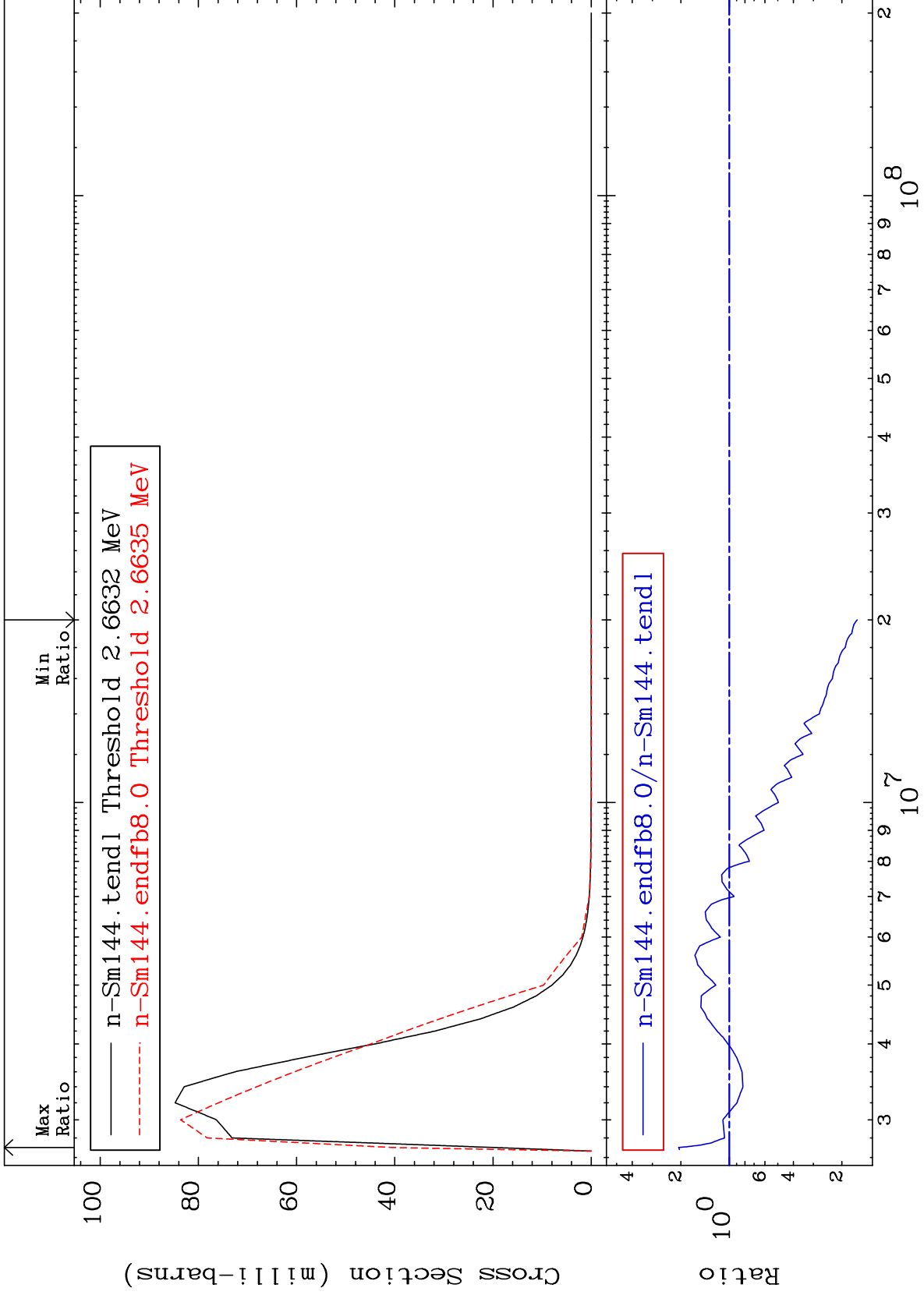
Incident Energy (eV)

62-Sm-144

MAT 6225

MT= 60 (n,n') Level
Cross Section

62-Sm-144
-83.97 To 106.2 %



18

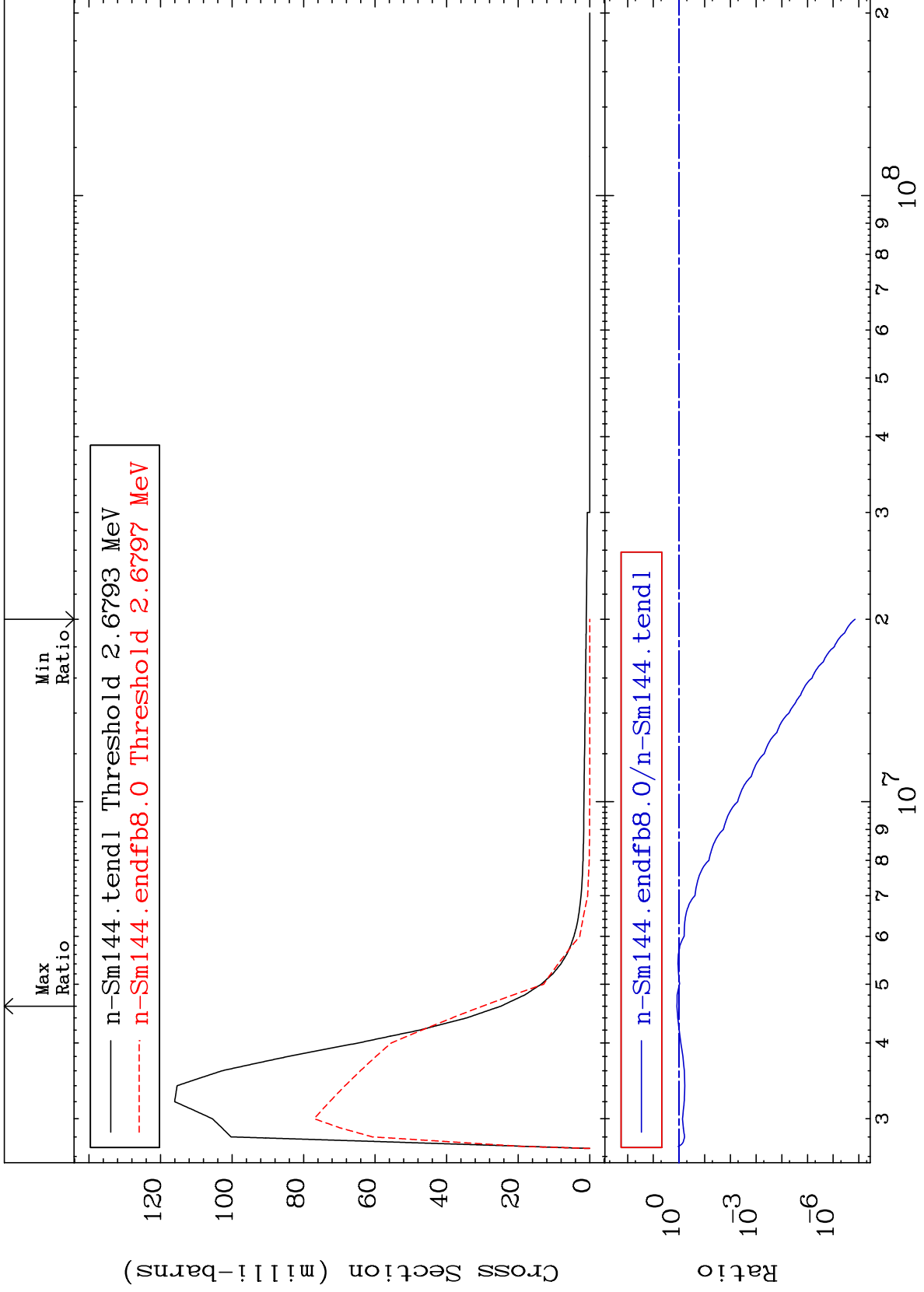
62-Sm-144

62-Sm-144

MAT 6225

MT= 61 (n,n') Level
Cross Section

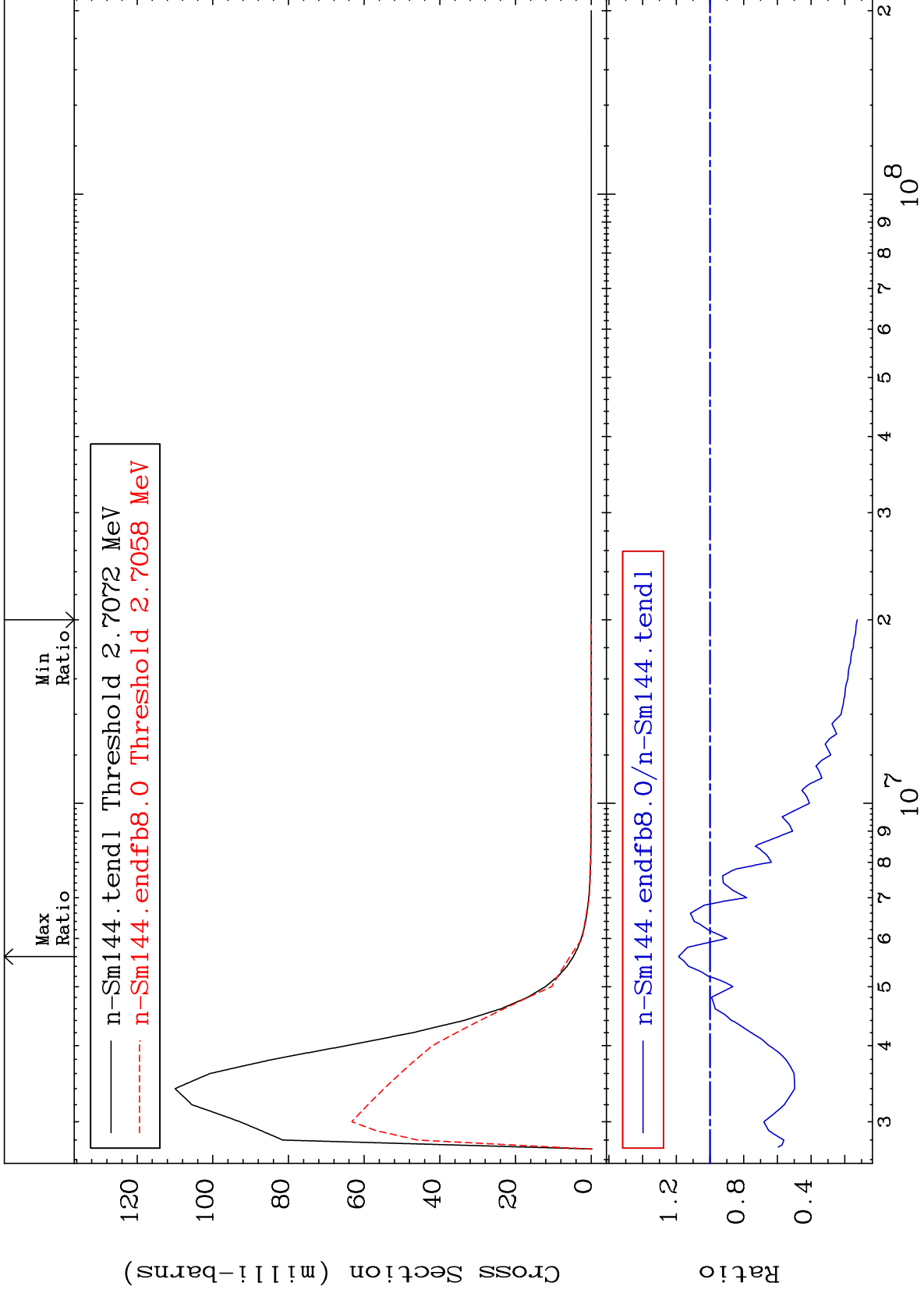
62-Sm-144
-100.0 To 20.55 %



MAT 6225

MT= 62 (n,n') Level
Cross Section

62-Sm-144
-87.39 To 18.66 %



20

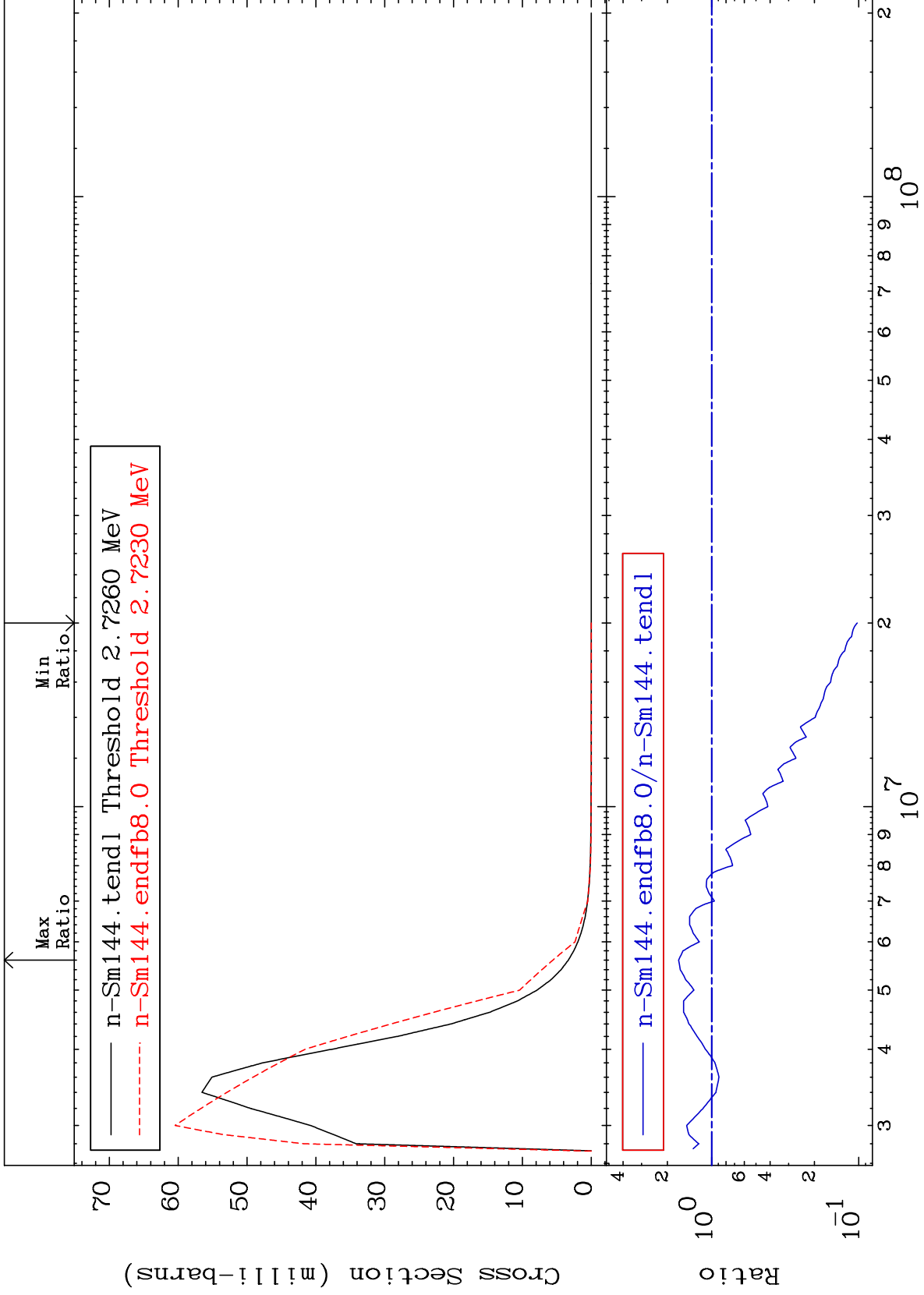
Incident Energy (eV)

62-Sm-144

MAT 6225

MT= 63 (n,n') Level
Cross Section

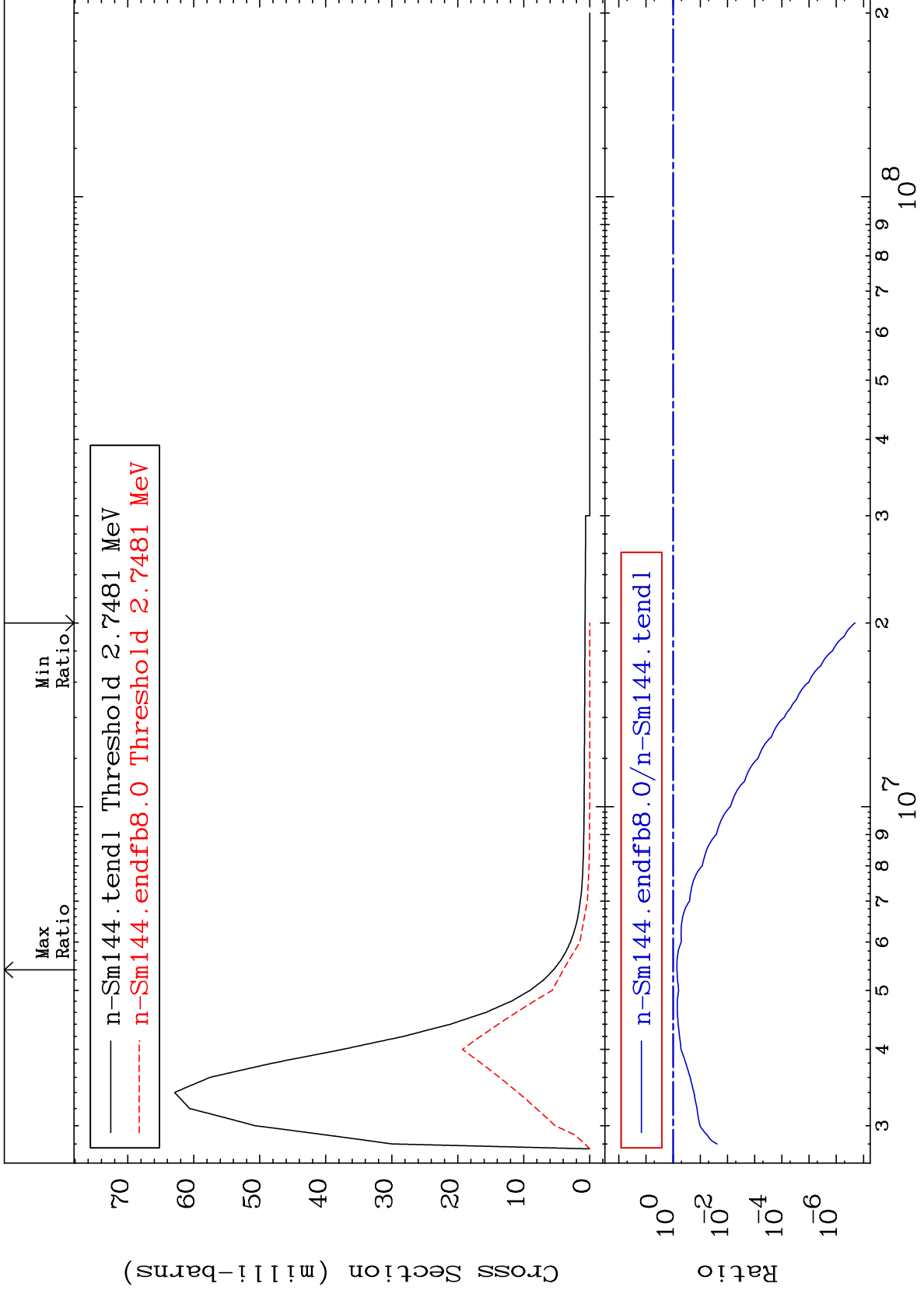
62-Sm-144
-89.76 To 67.73 %



MAT 6225

MT= 64 (n, n') Level
Cross Section

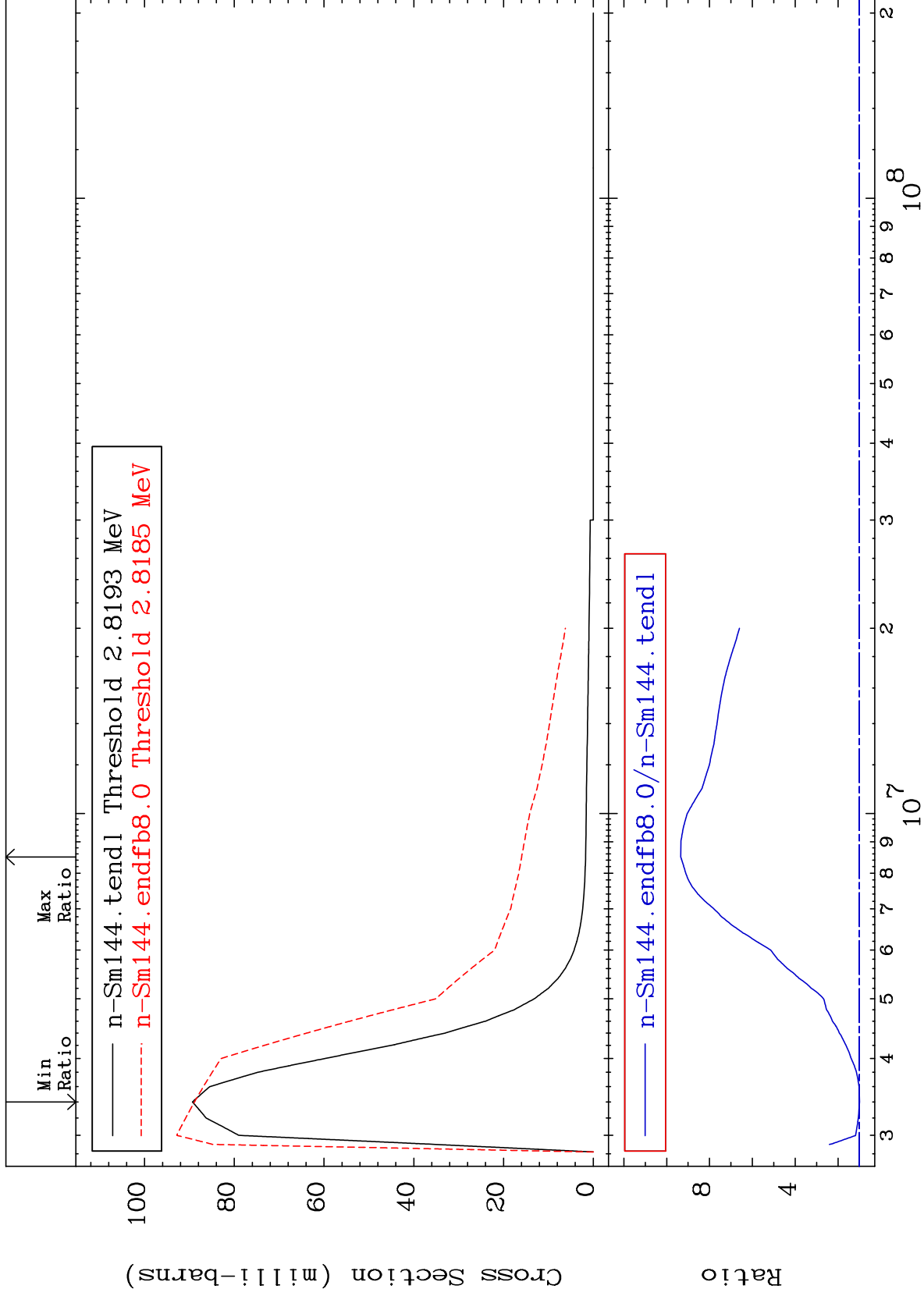
62-Sm-144
-100.0 To -27.13%



MAT 6225

MT= 65 (n,n') Level
Cross Section

62-Sm-144
-0.518 To 834.2 %



23

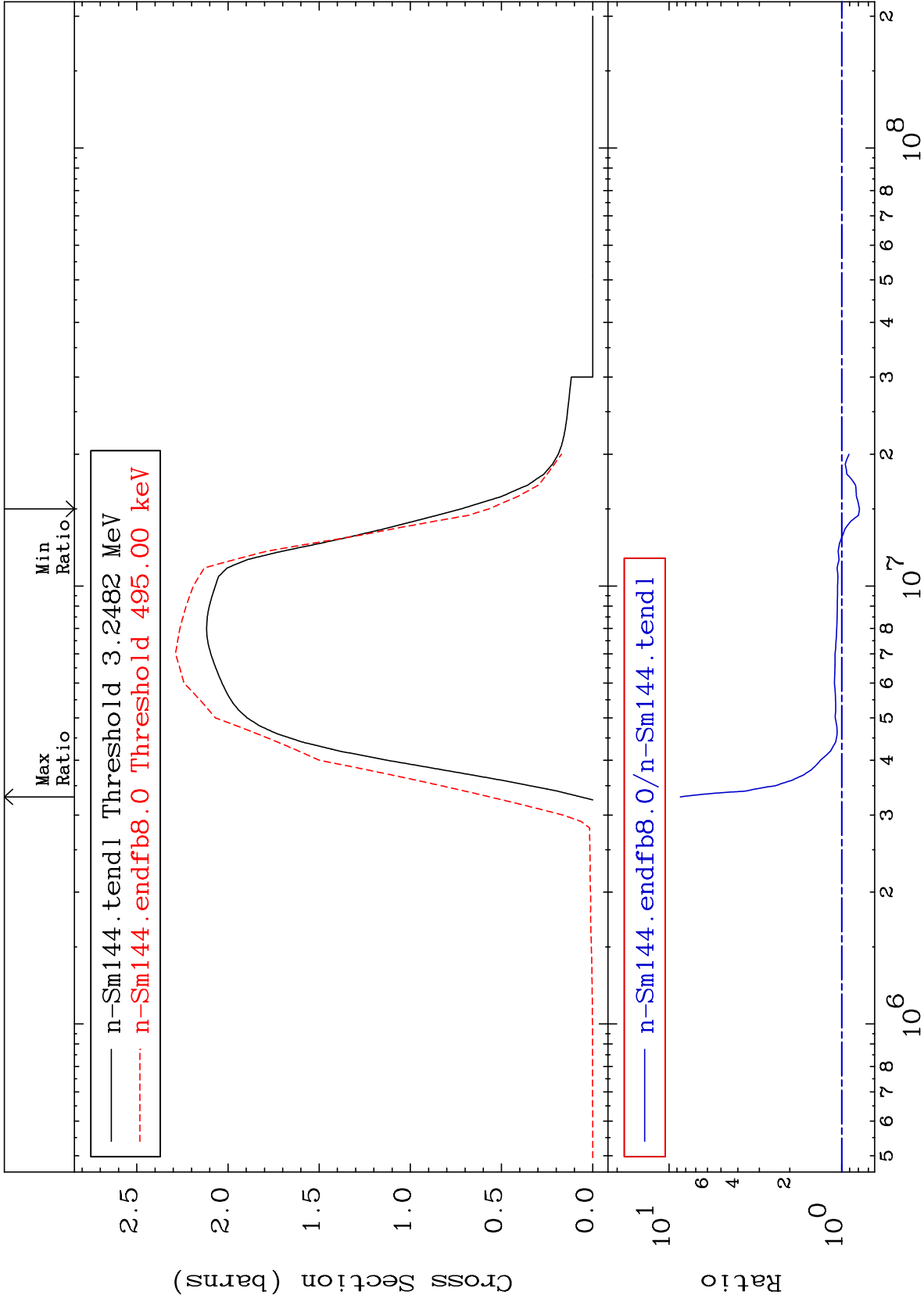
Incident Energy (eV)

62-Sm-144

MAT 6225

(n, n') Continuum
Cross Section

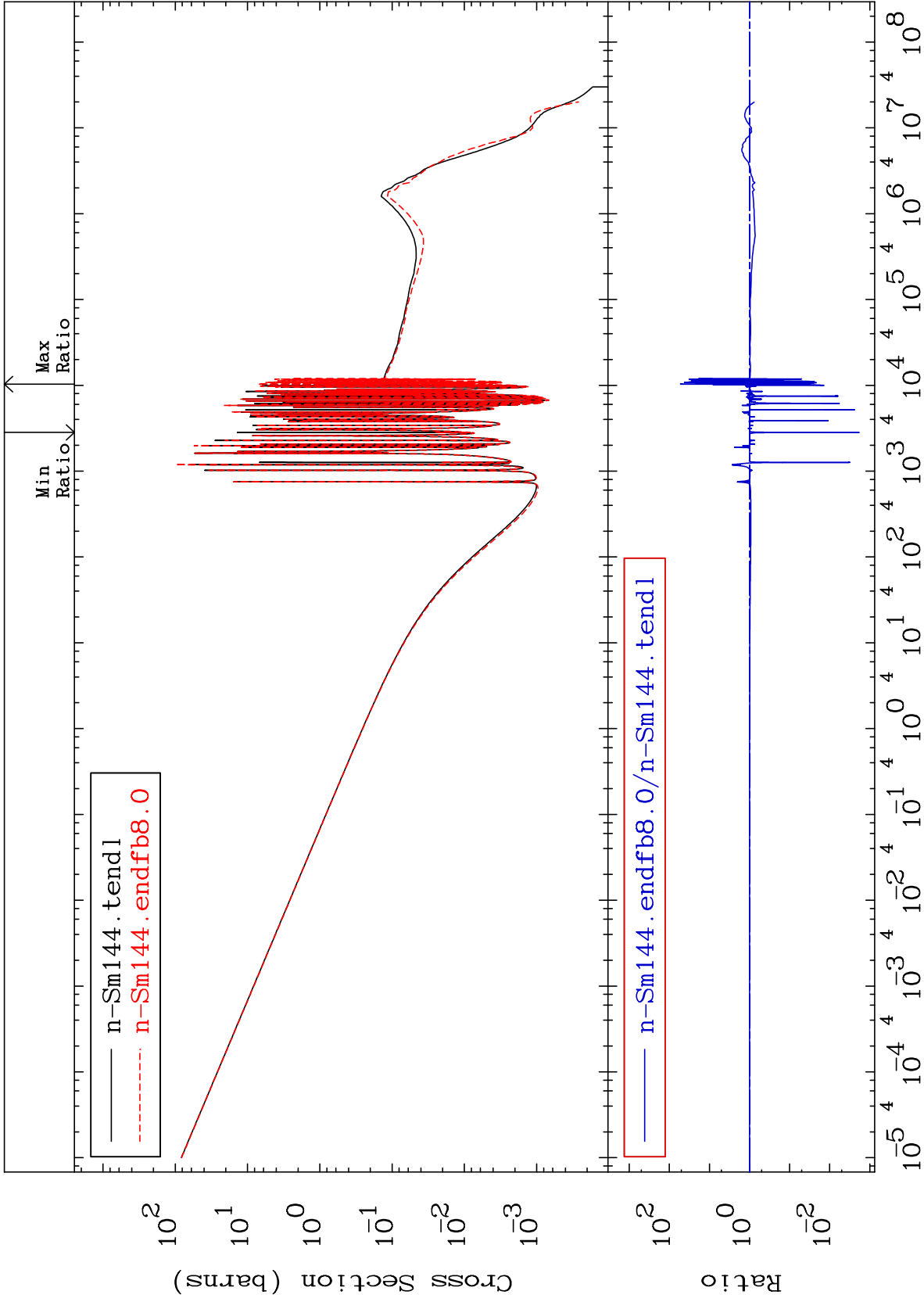
62-Sm-144
-21.01 To 760.3 %



24

Incident Energy (eV)

62-Sm-144



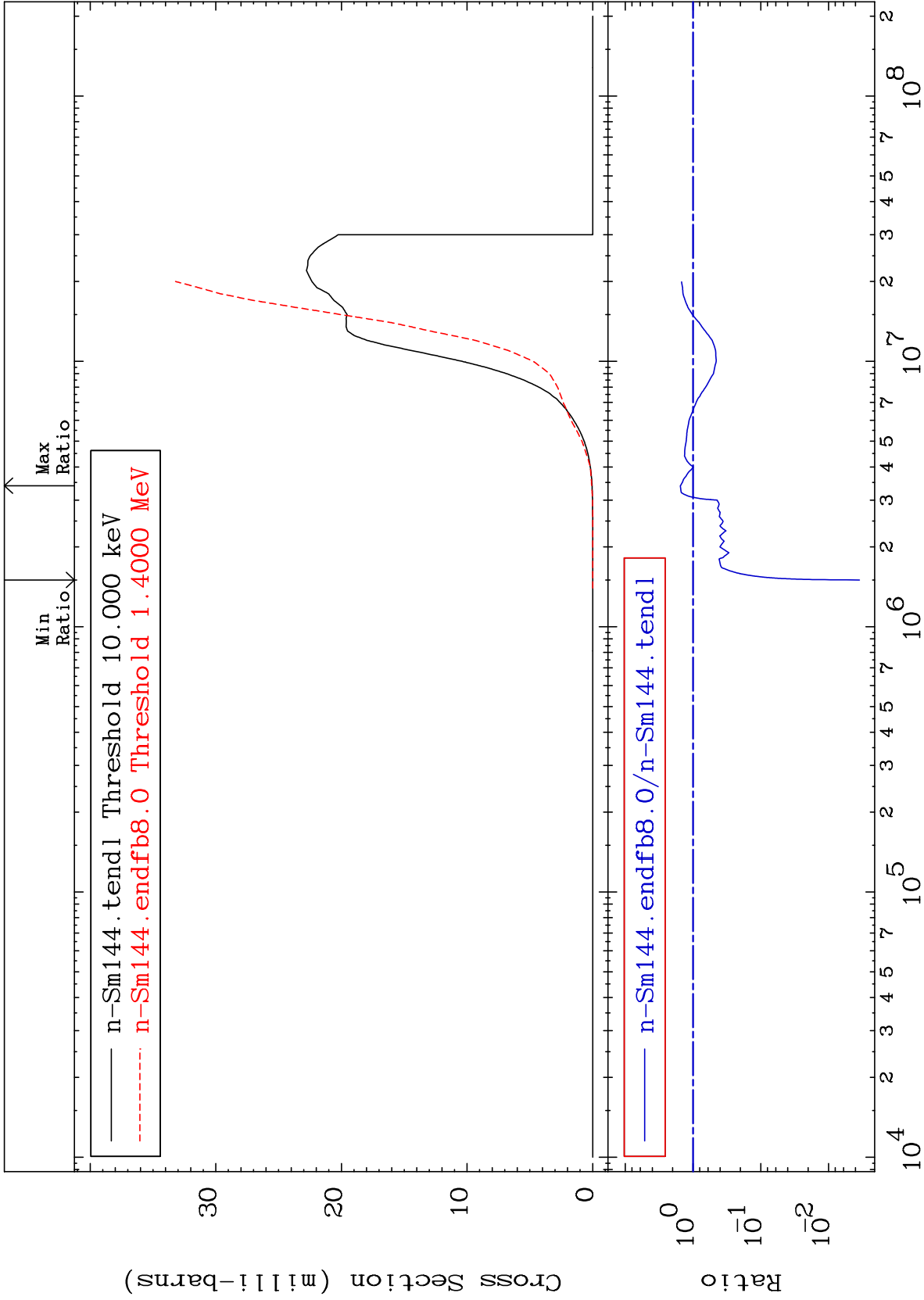
MAT 6225

(n, p)

62-Sm-144

Cross Section

-99.65 To 54.03 %



26

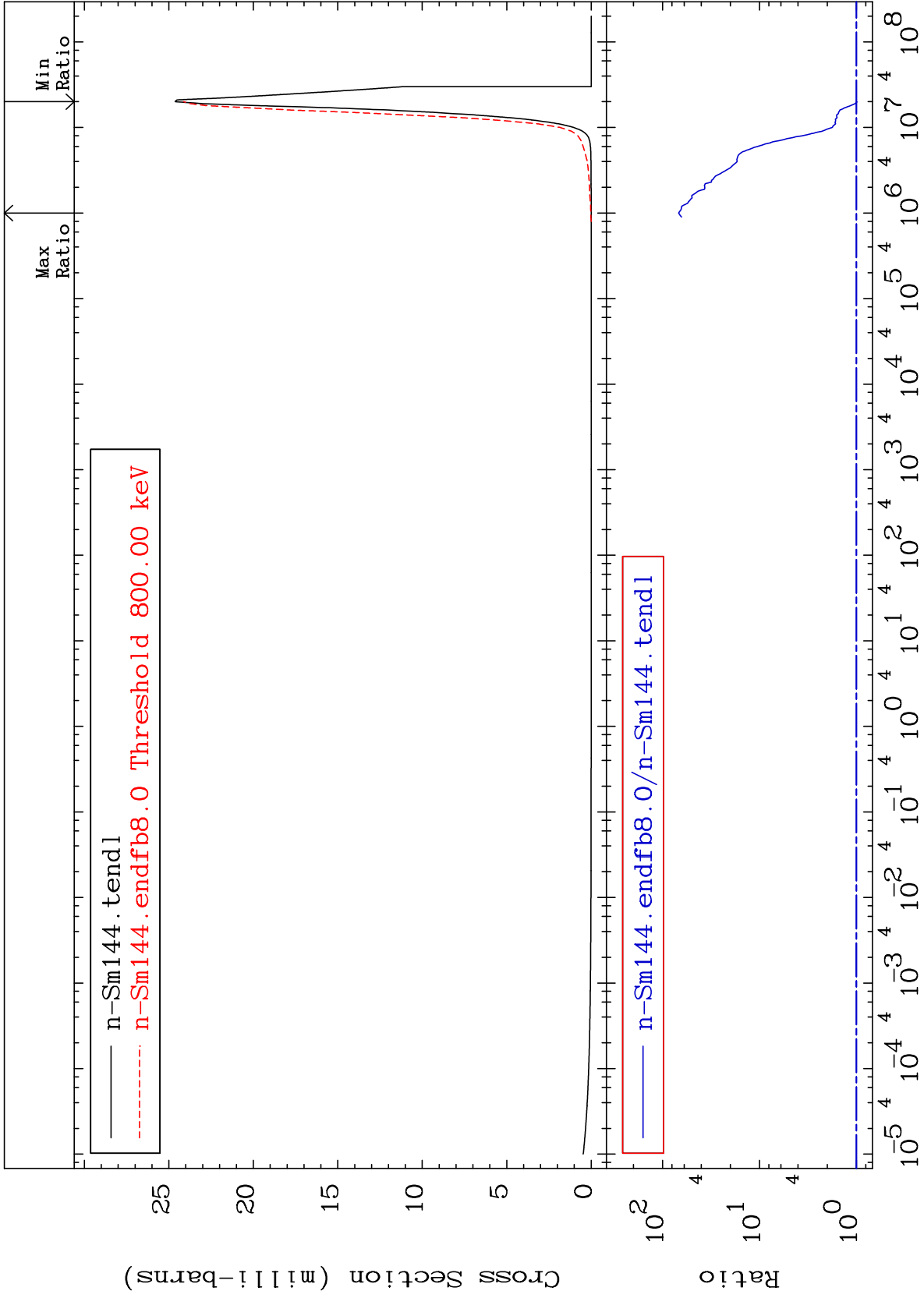
Incident Energy (eV)

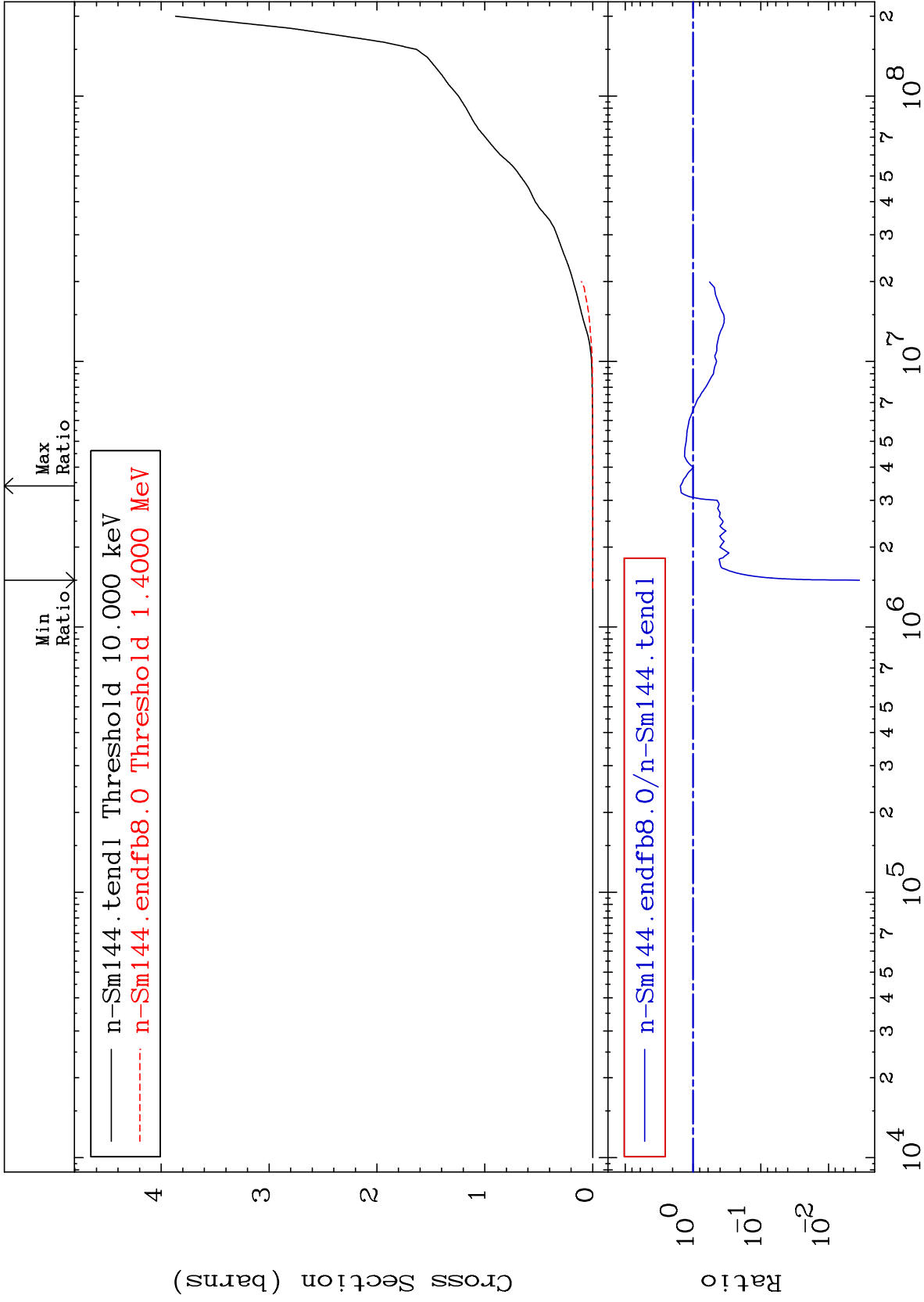
62-Sm-144

MAT 6225

(n, α)
Cross Section

62-Sm-144
-2.066 To 6736. %

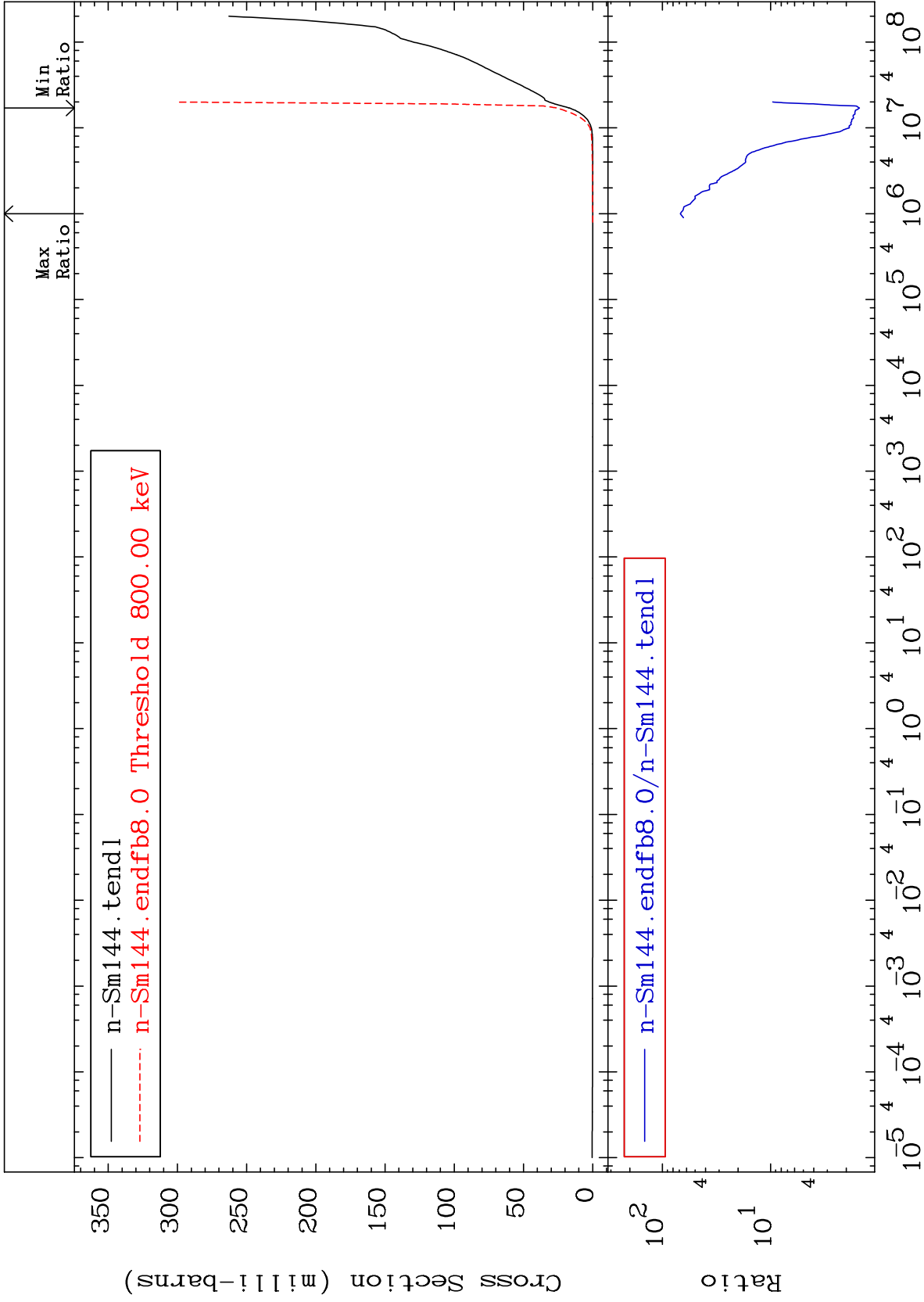




MAT 6225

He-4 Production
Cross Section

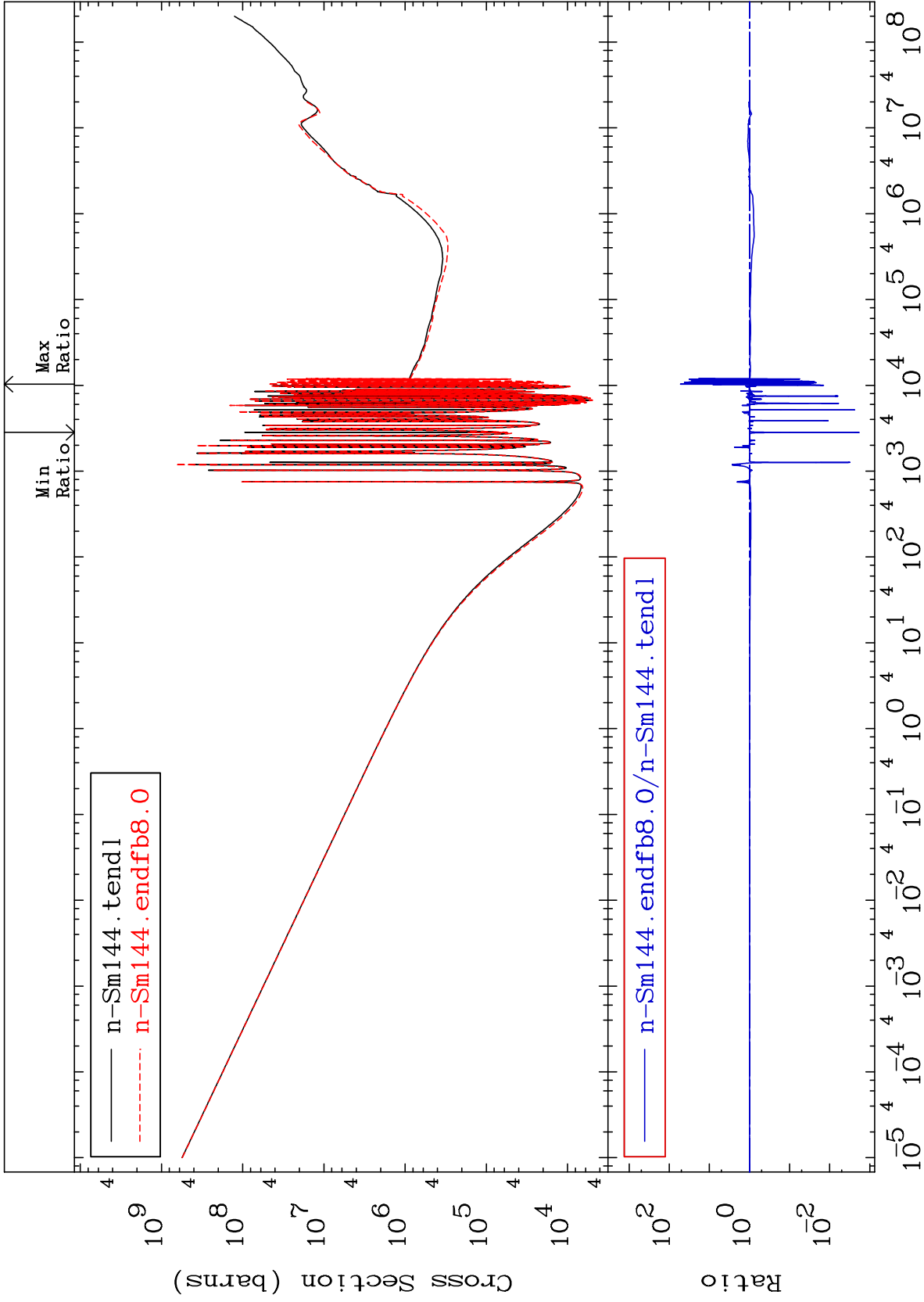
62-Sm-144
51.25 To 6736. %

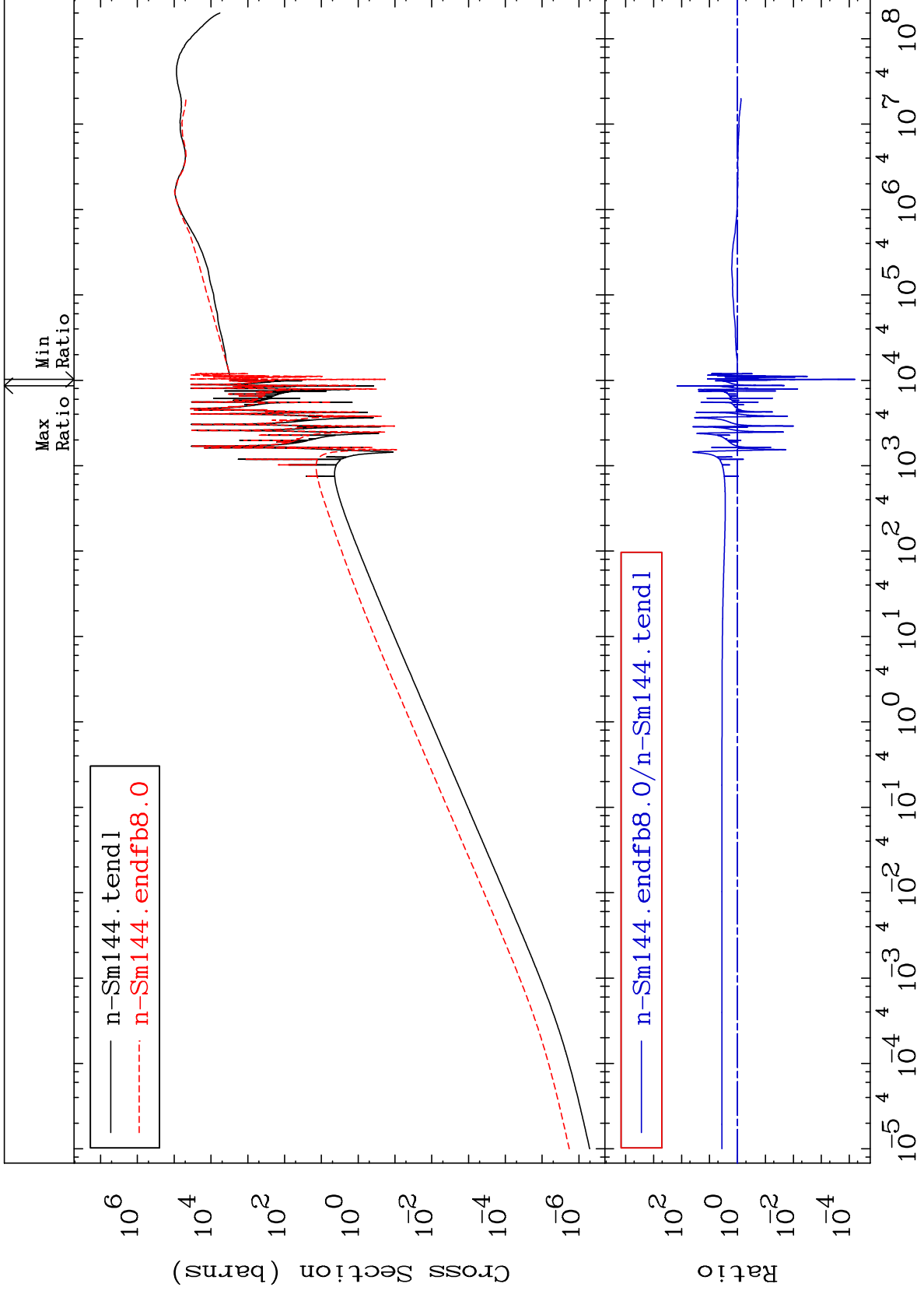


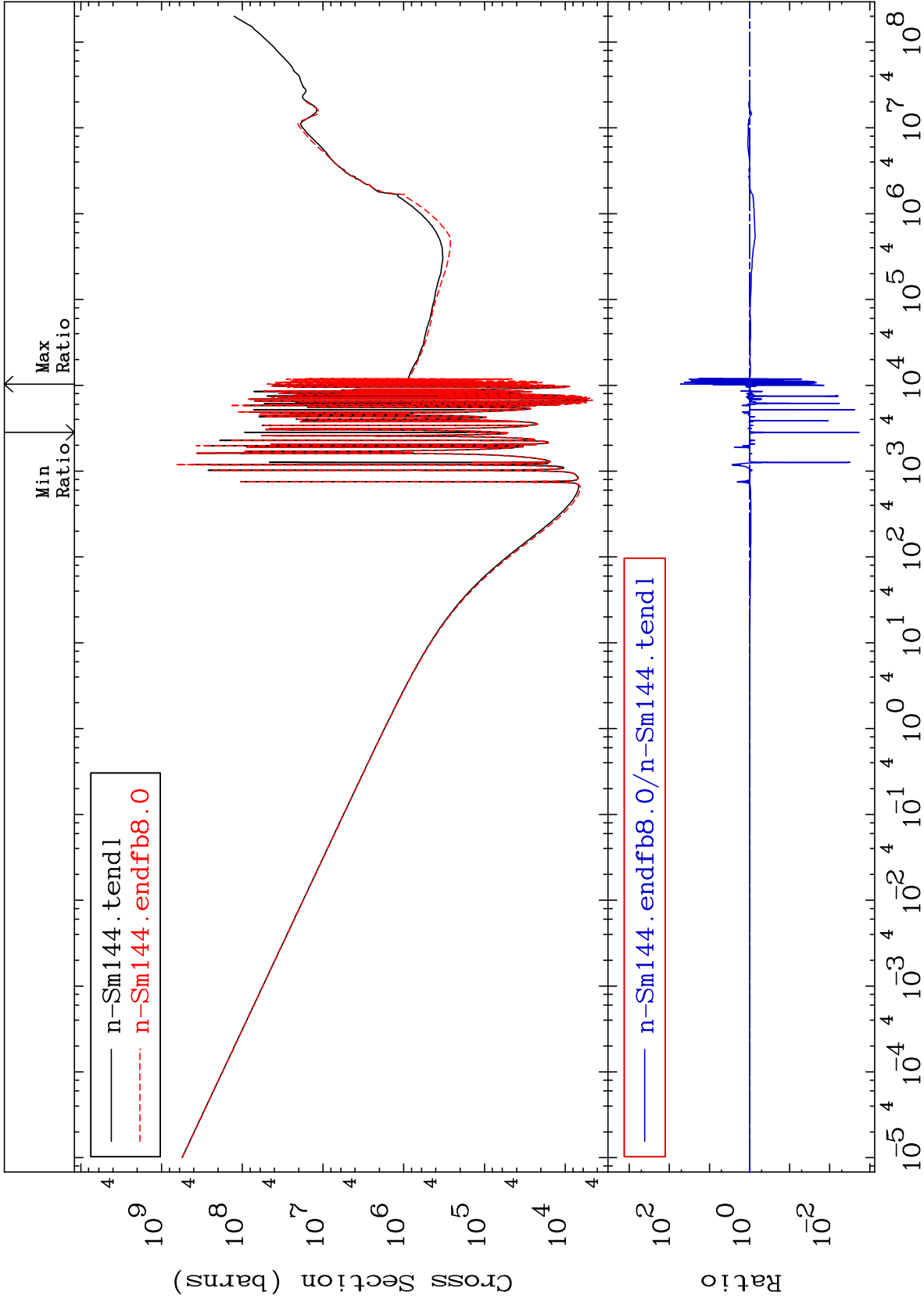
29

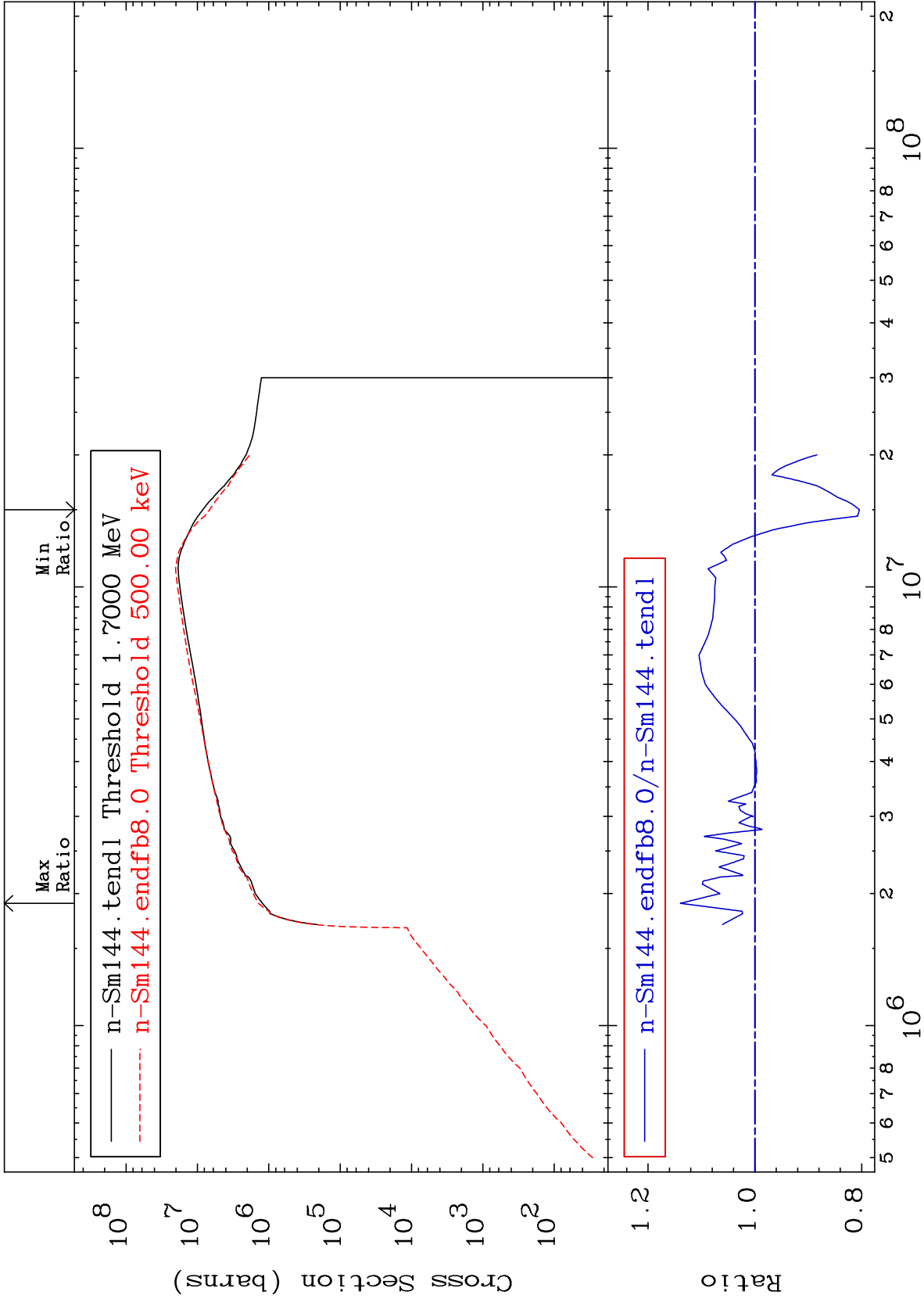
Incident Energy (eV)

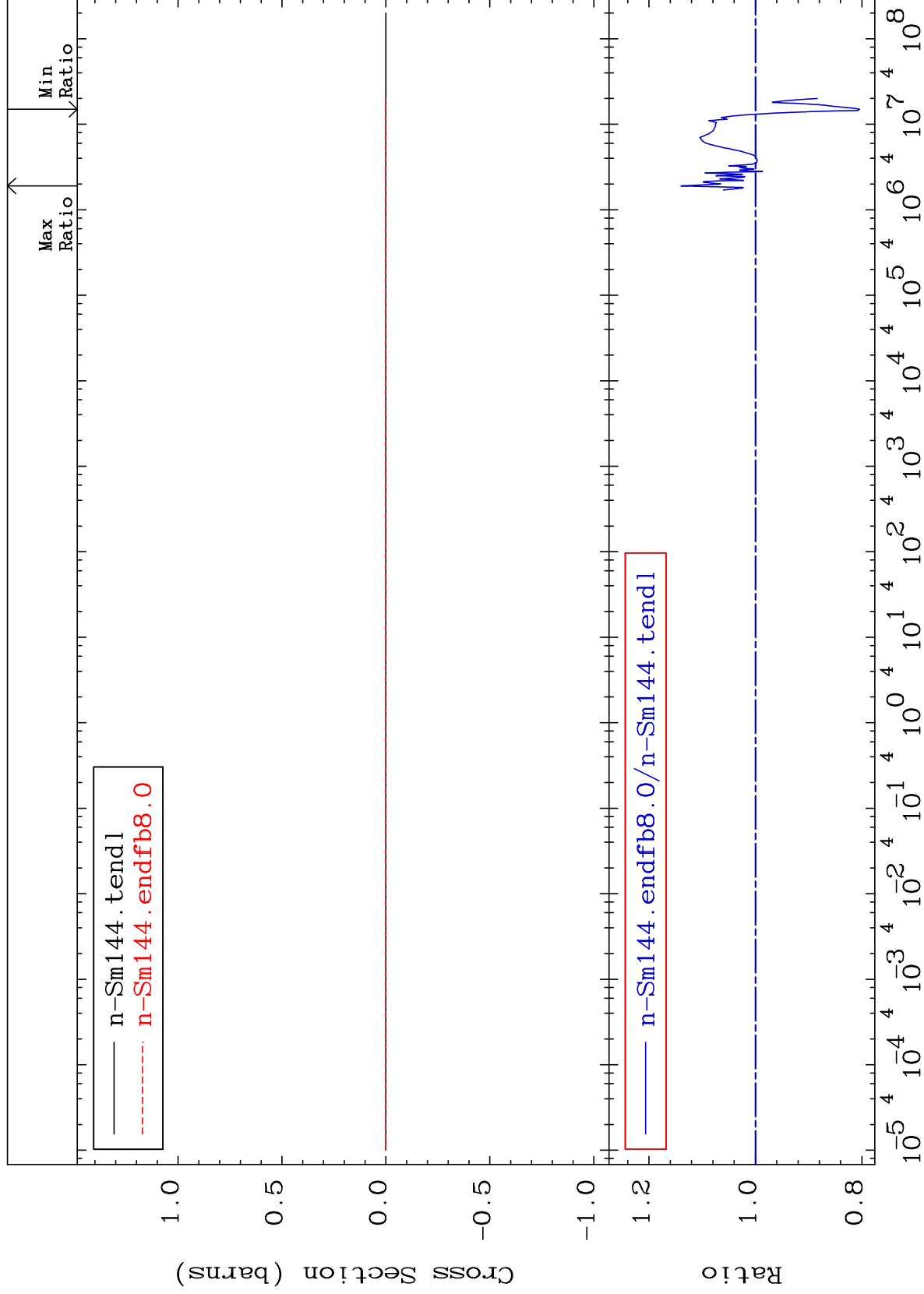
62-Sm-144

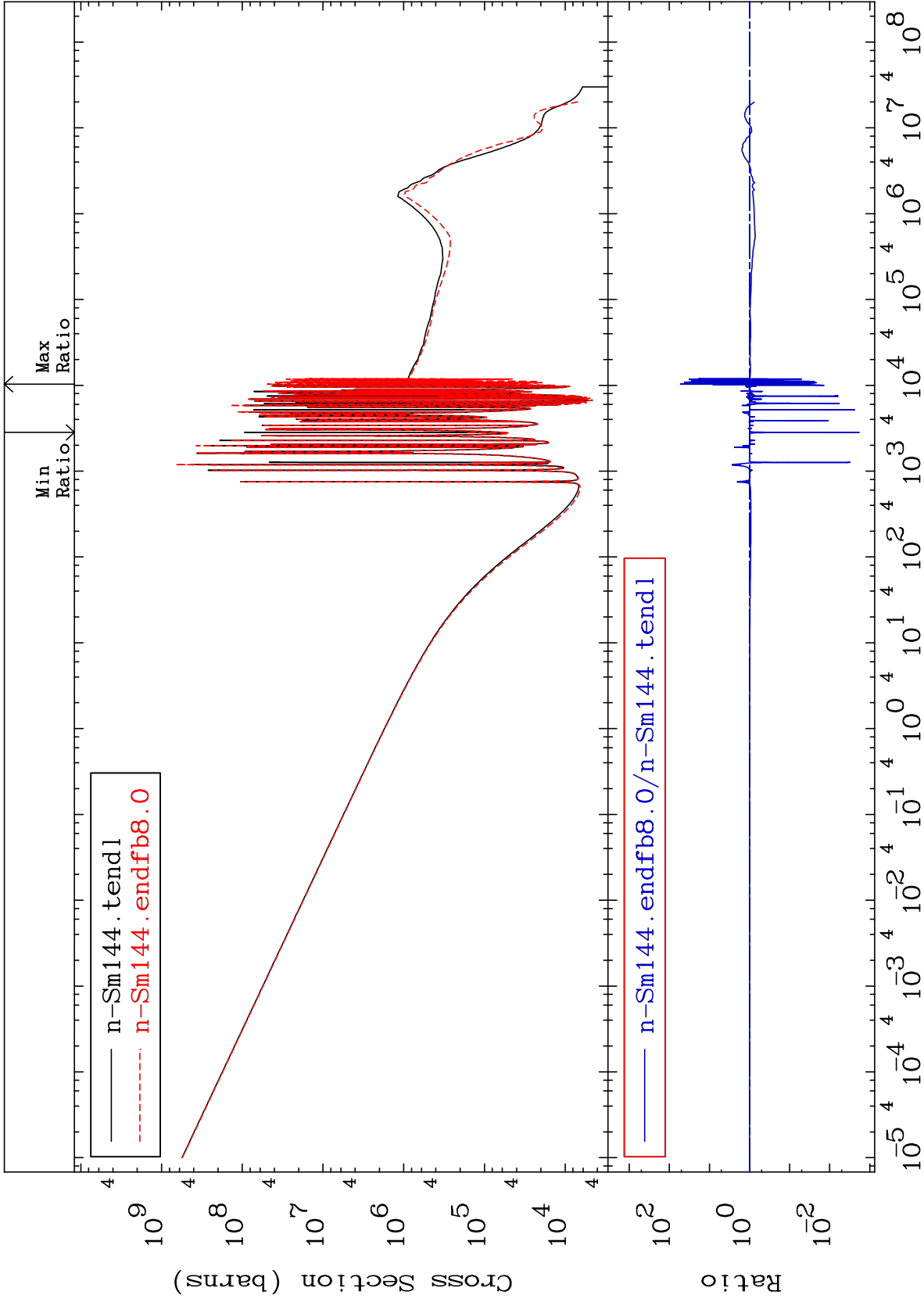


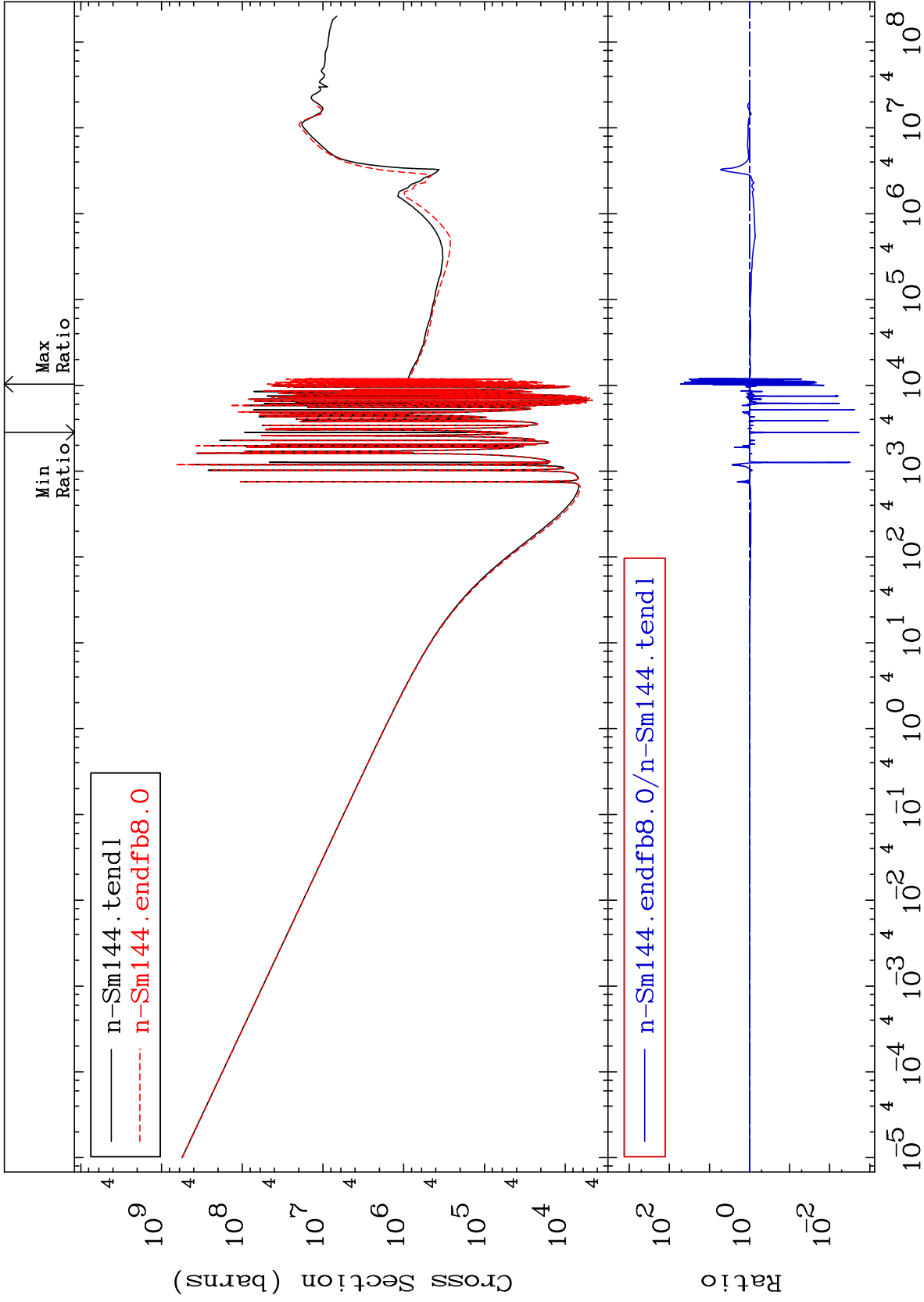


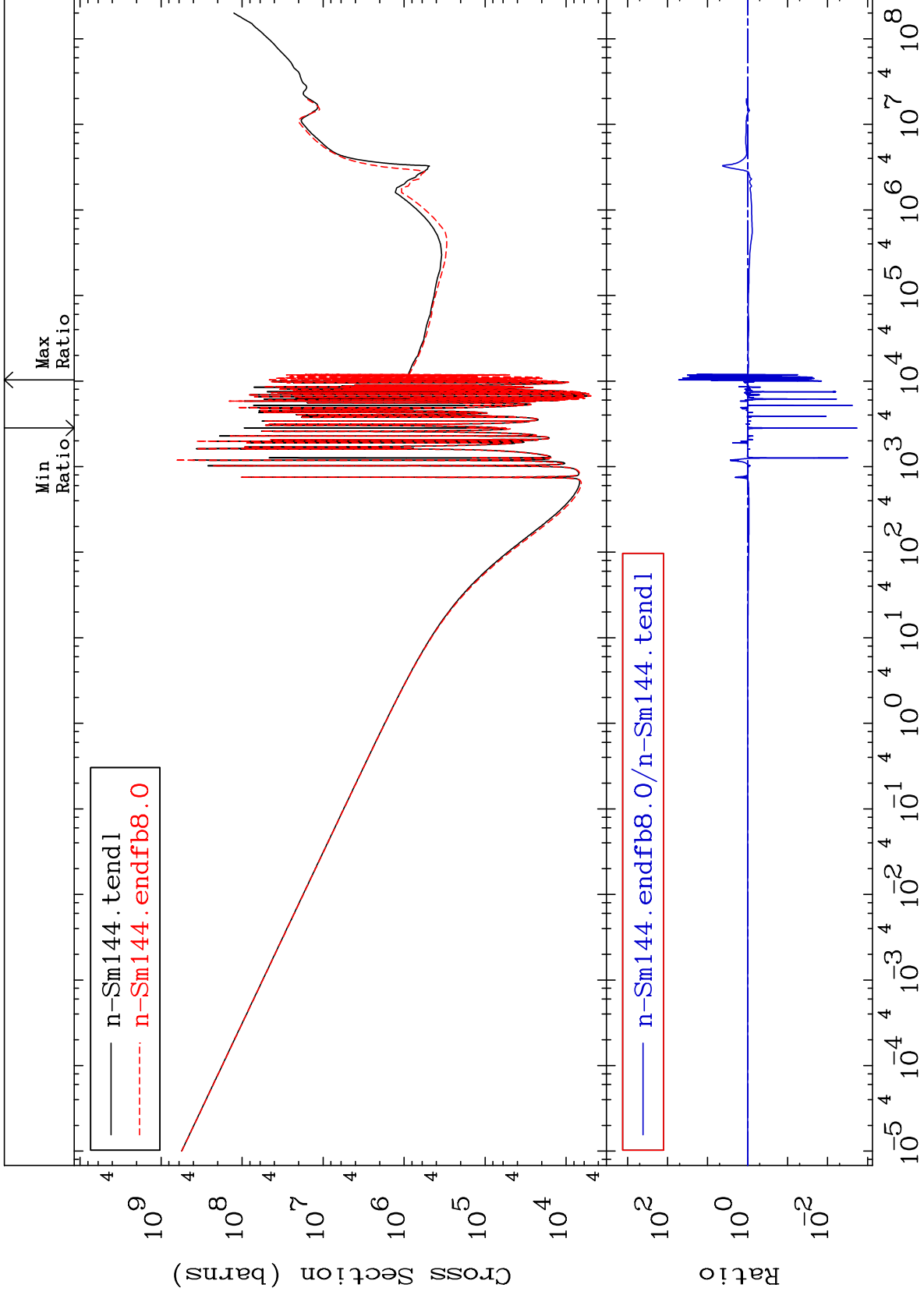


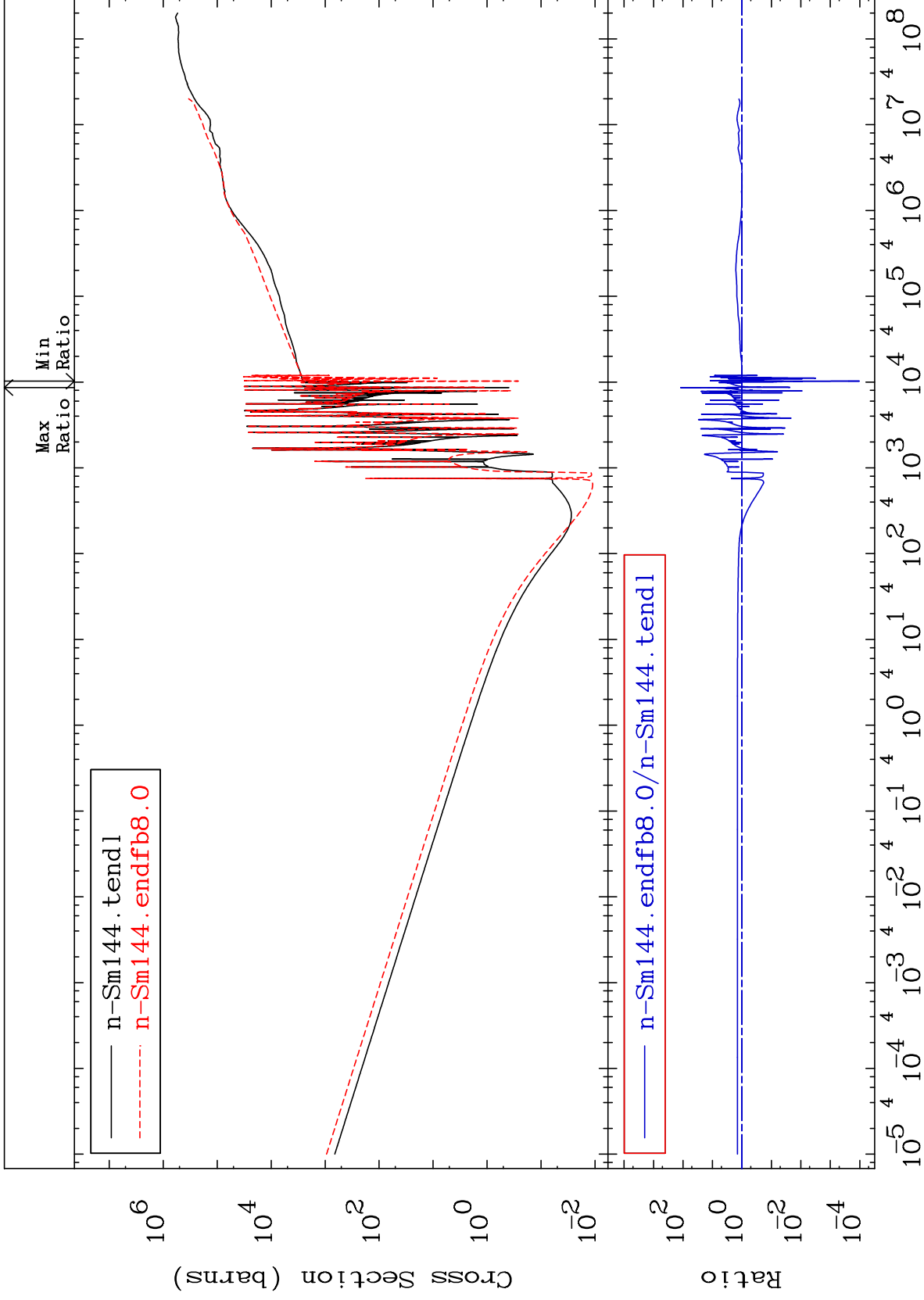


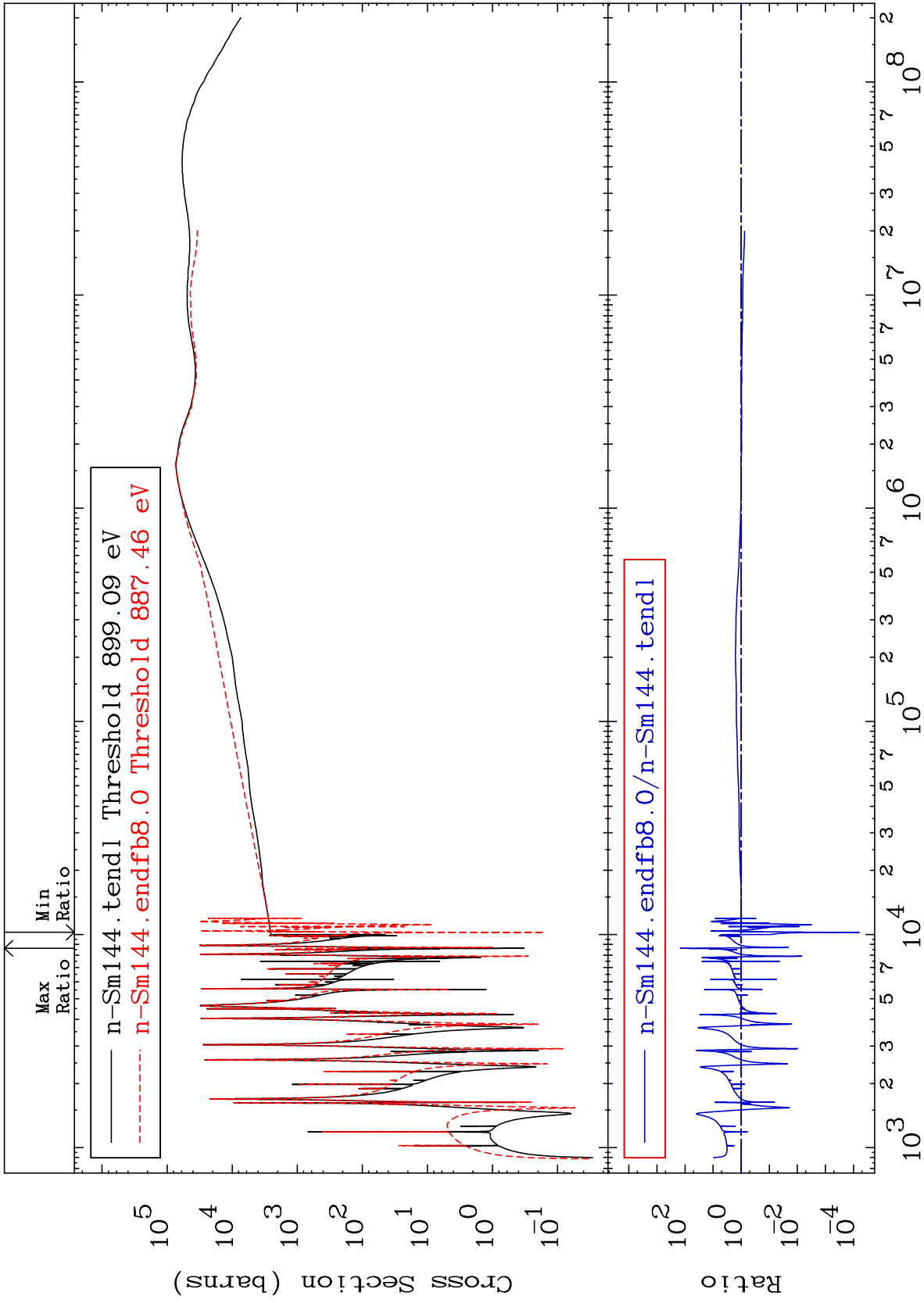








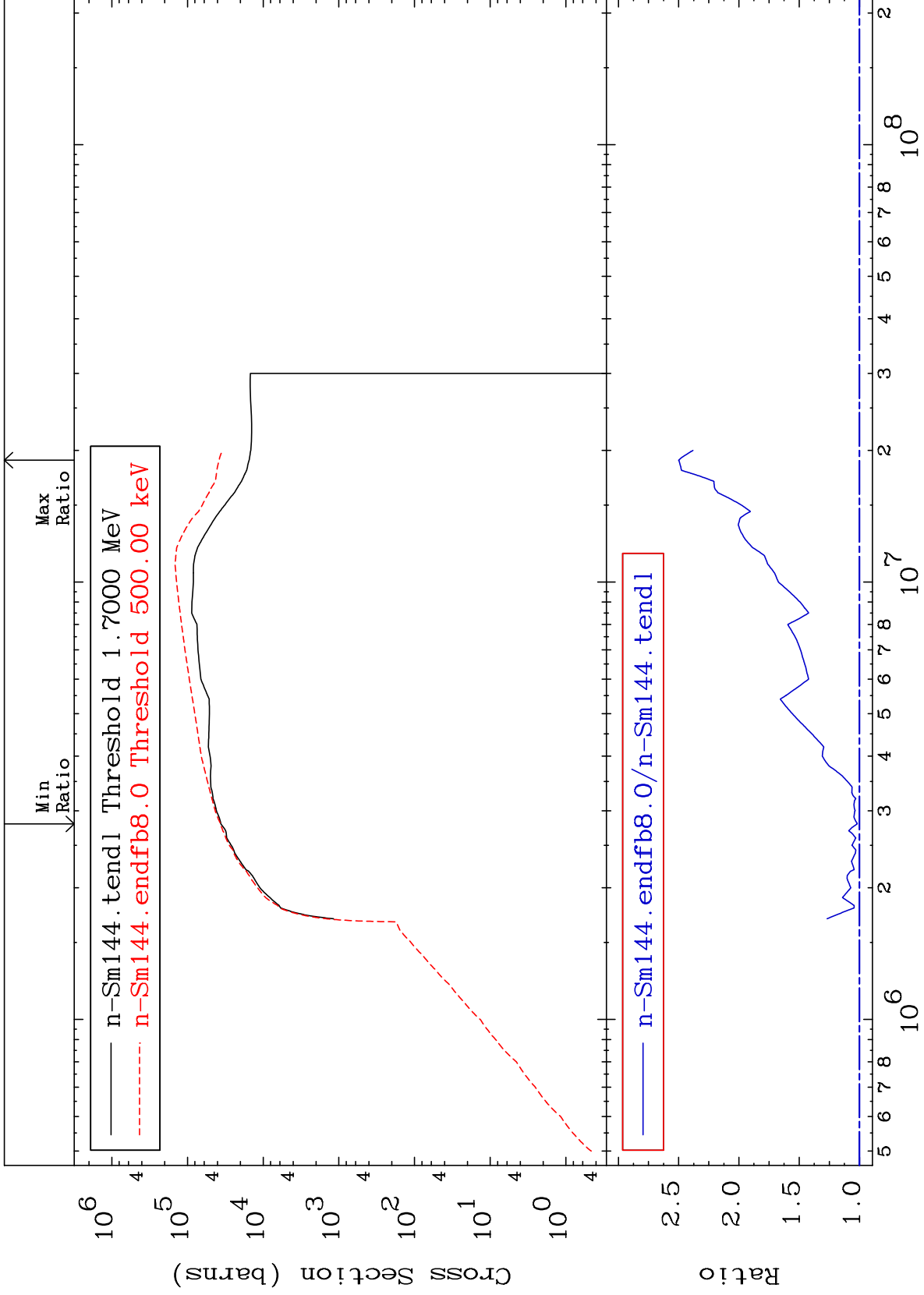




MAT 6225

Dpa inelastic (mt51-91)
Cross Section

62-Sm-144
1.815 To 150.0 %



40

Incident Energy (eV)

62-Sm-144

