

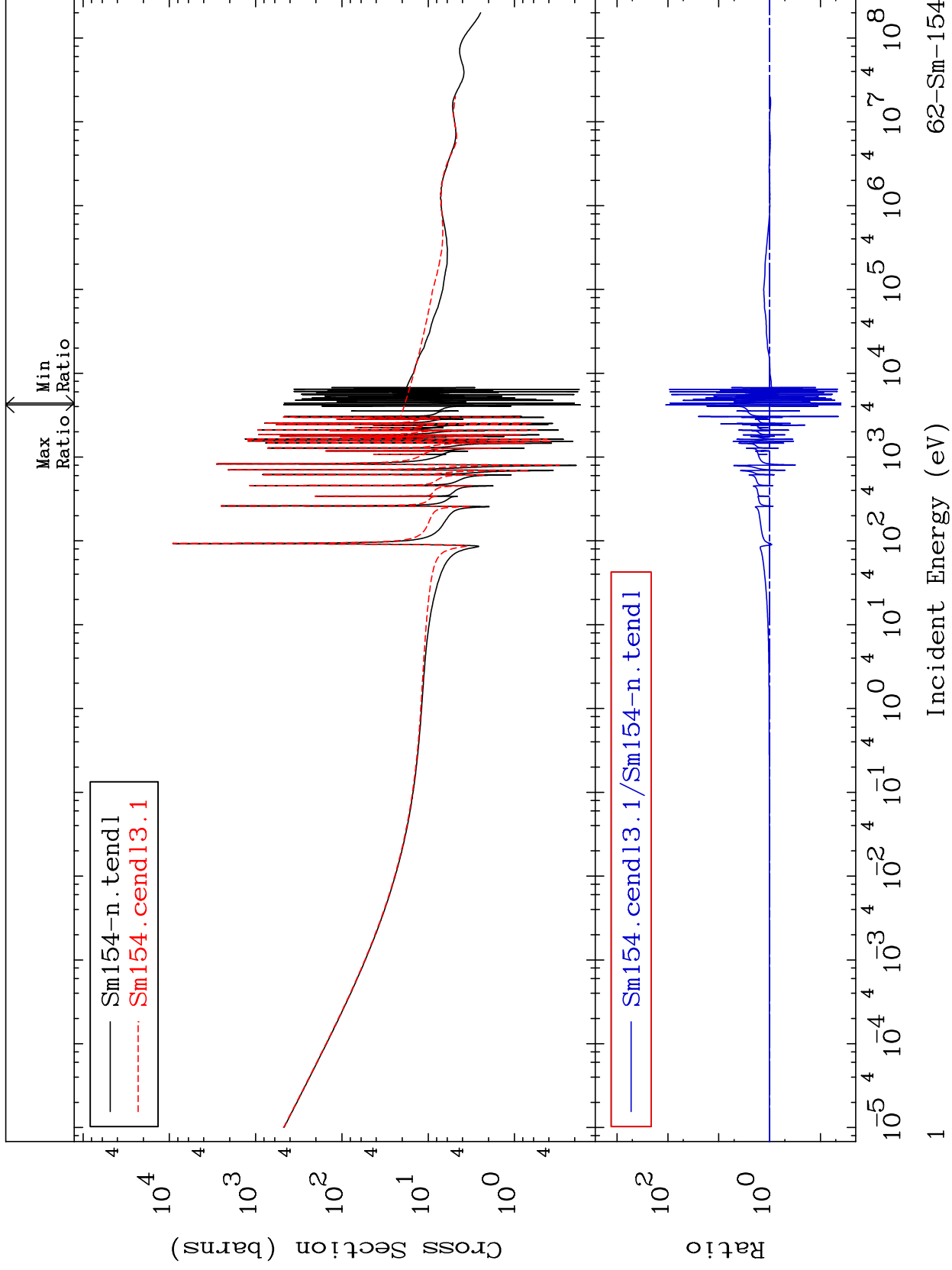
MAT 6255

Total

62-Sm-154

Cross Section

-96.02 To 9999. %

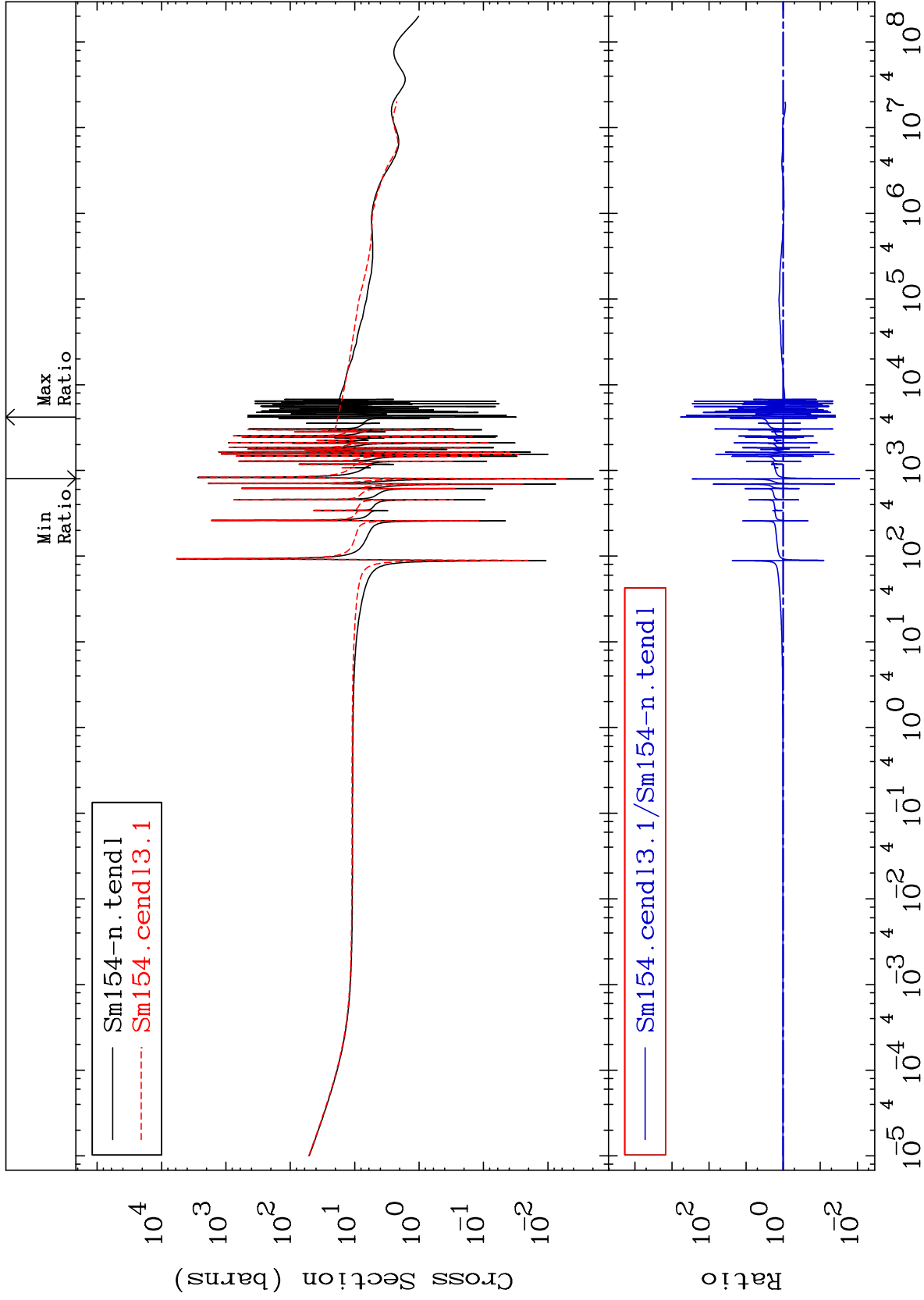


62-Sm-154

MAT 6255

Elastic
Cross Section

62-Sm-154
-99.13 To 9999. %



2

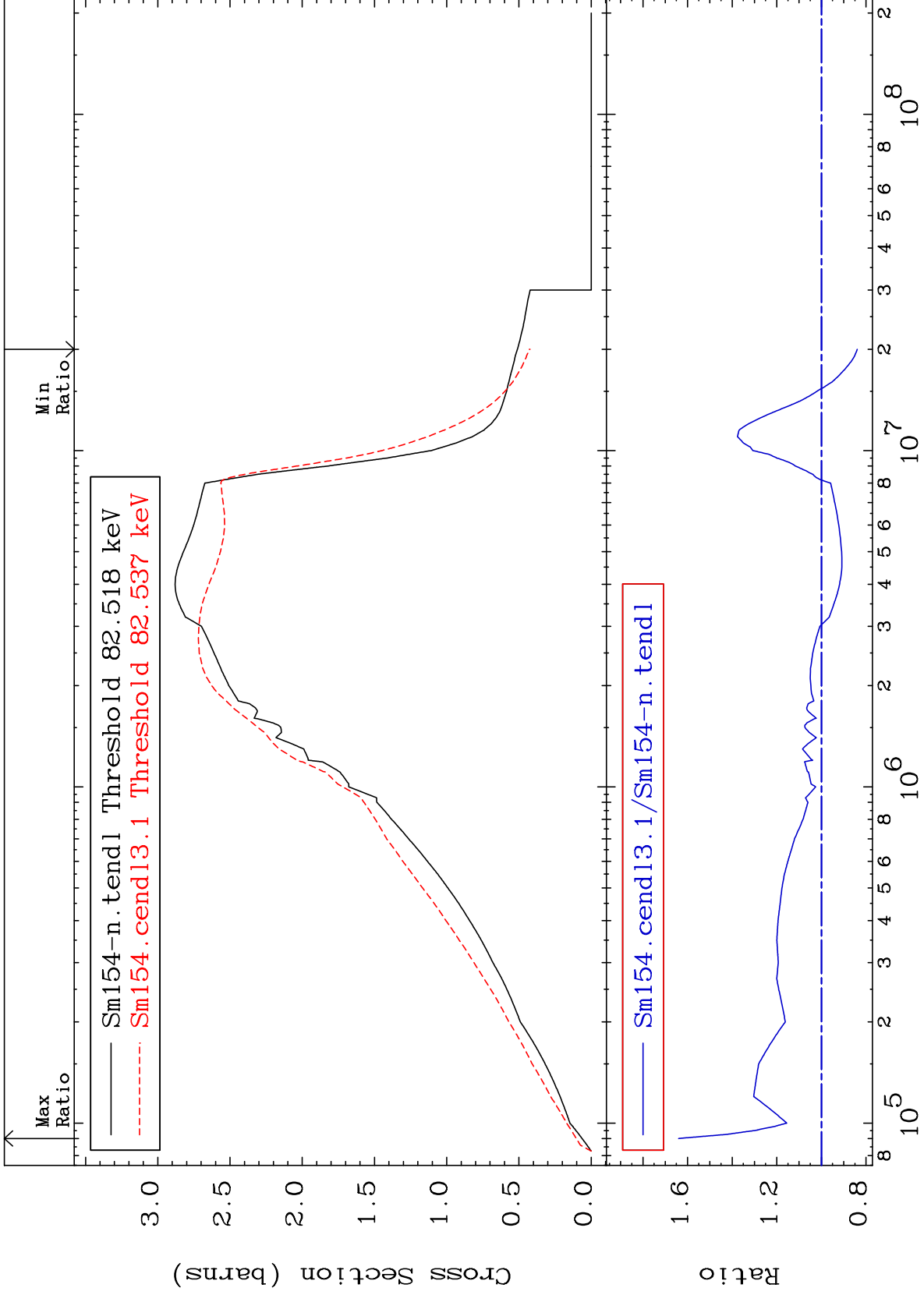
Incident Energy (eV)

62-Sm-154

MAT 6255

Inelastic
Cross Section

62-Sm-154
-16.07 To 64.00 %



3

Incident Energy (eV)

62-Sm-154

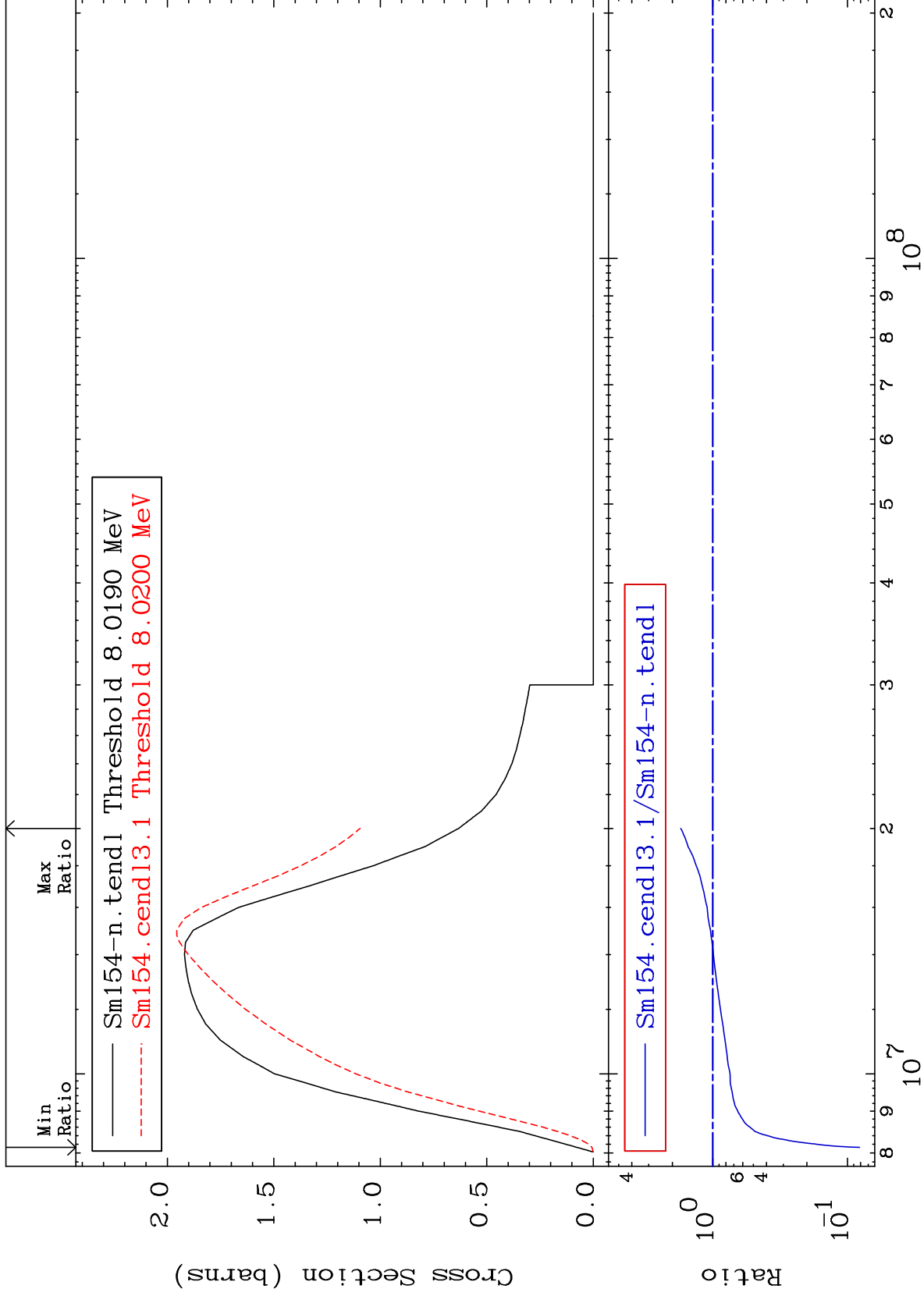
MAT 6255

(n,2n)

62-Sm-154

Cross Section

-91.86 To 73.16 %



4

Incident Energy (eV)

62-Sm-154

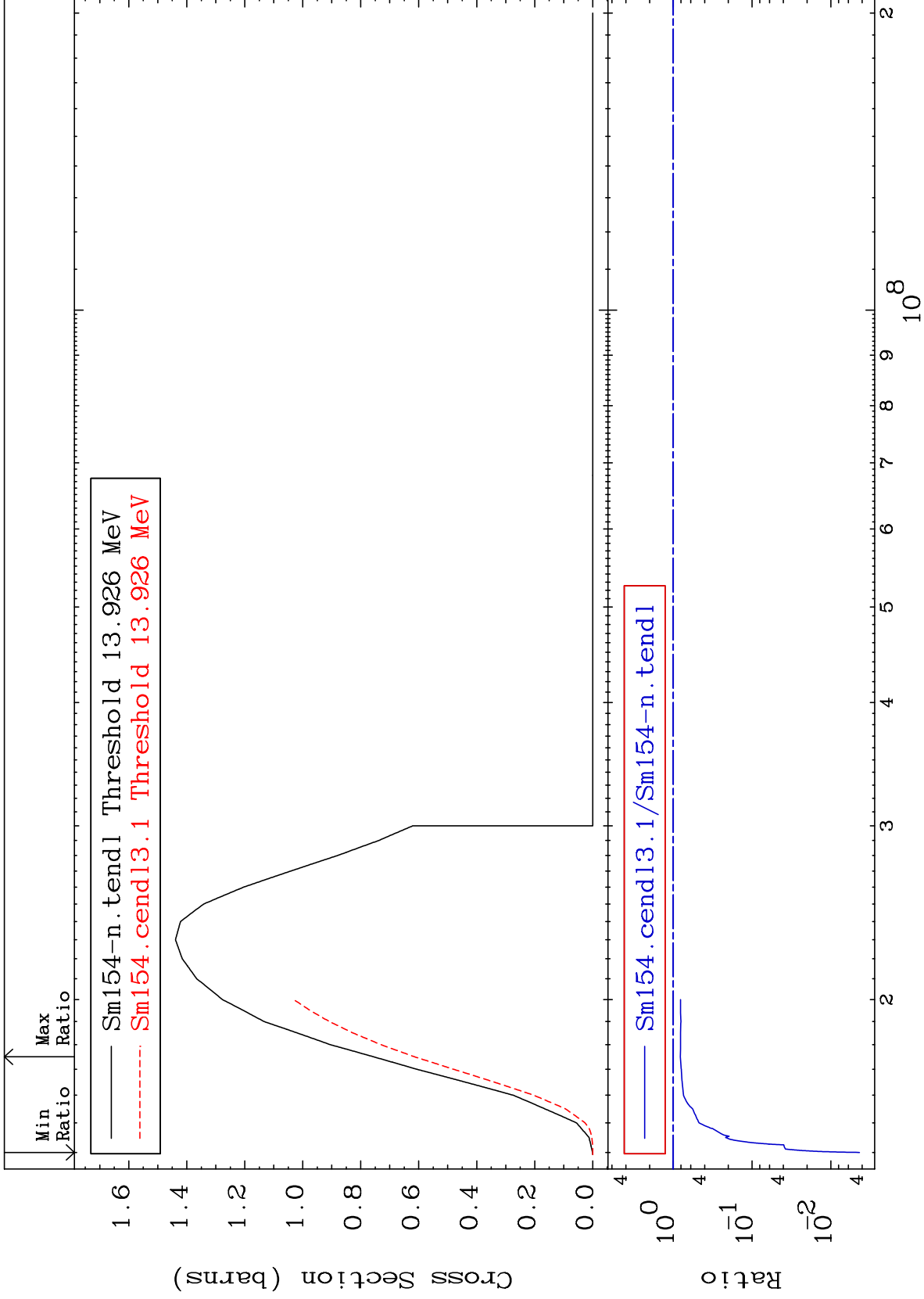
MAT 6255

(n,3n)

62-Sm-154

Cross Section

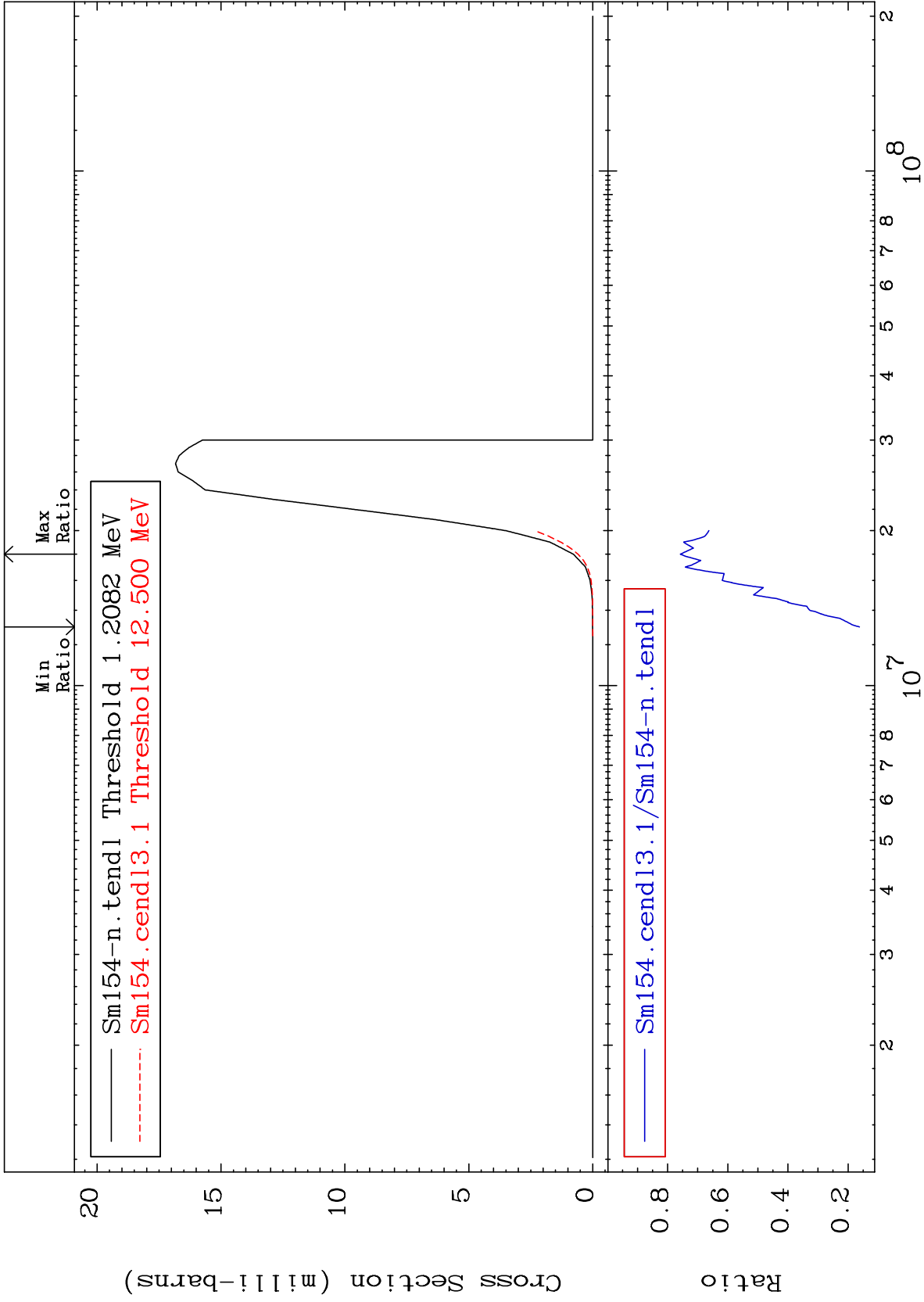
-99.57 To -18.68%



MAT 6255

(n, n') α
Cross Section

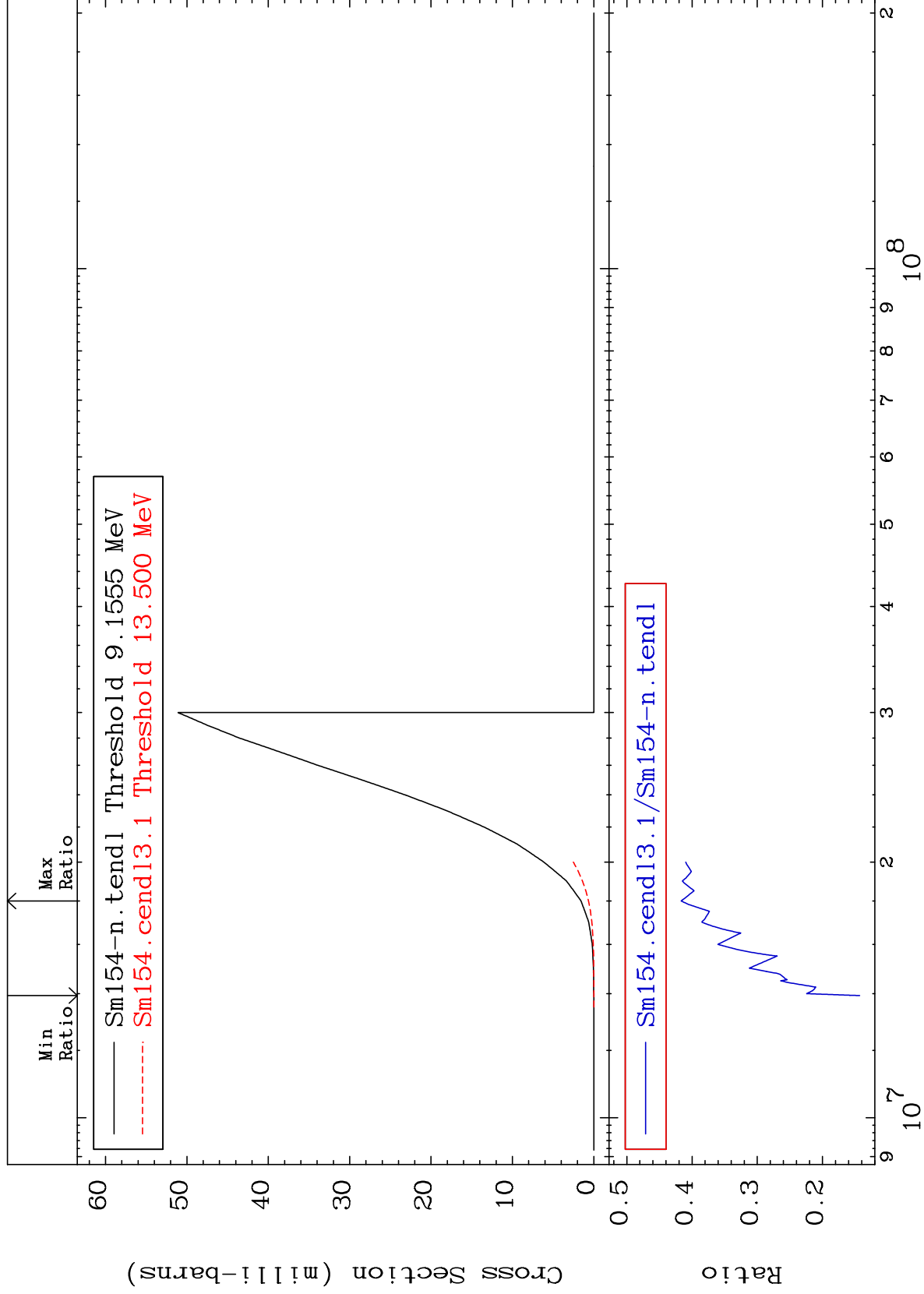
62-Sm-154
-83.78 To -24.23%



MAT 6255

(n, n') p
Cross Section

62-Sm-154
-85.69 To -58.33%



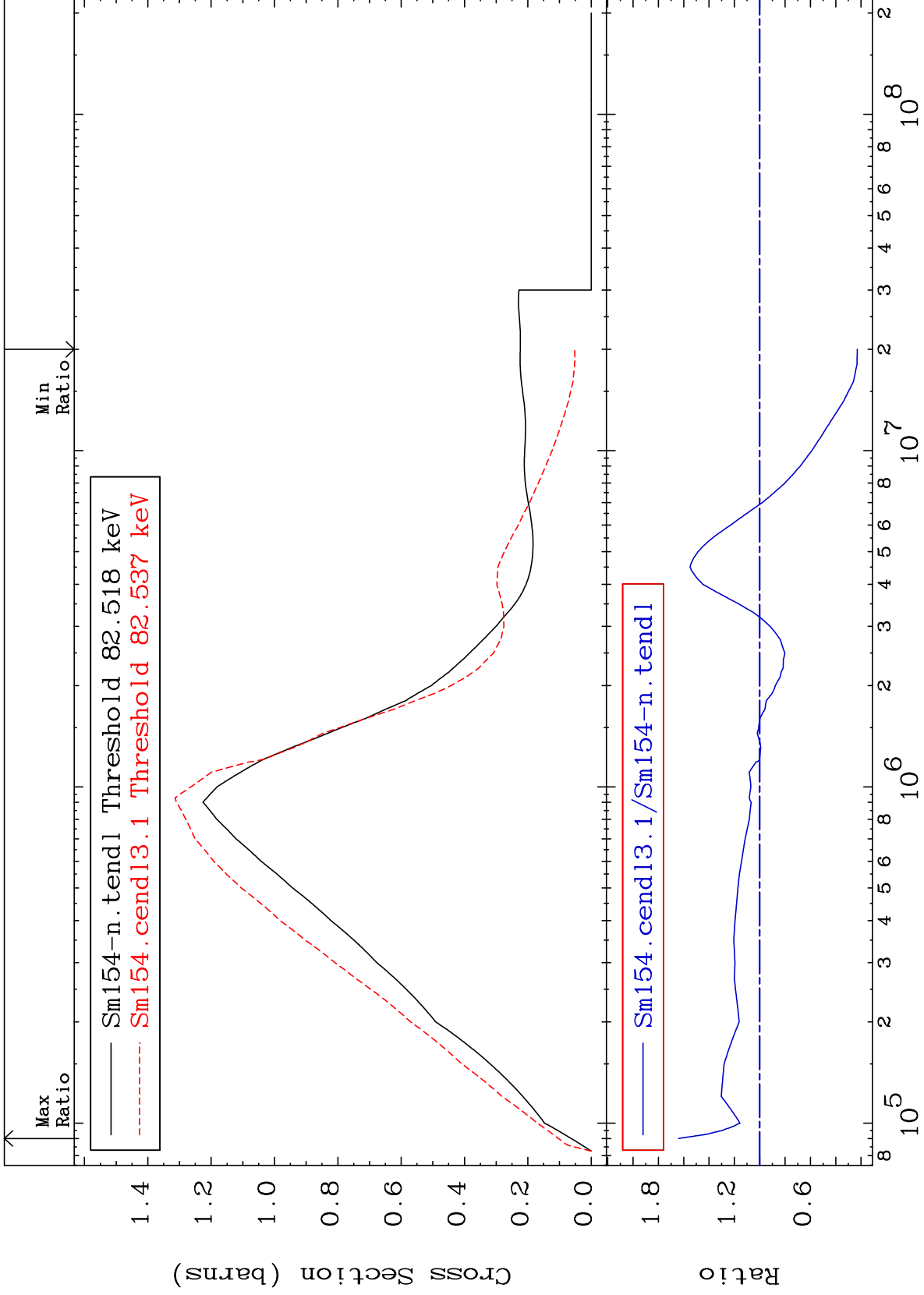
62-Sm-154

7

MAT 6255

81.98 keV (n,n') Level
Cross Section

62-Sm-154
-76.99 To 64.00 %



8

Incident Energy (eV)

62-Sm-154

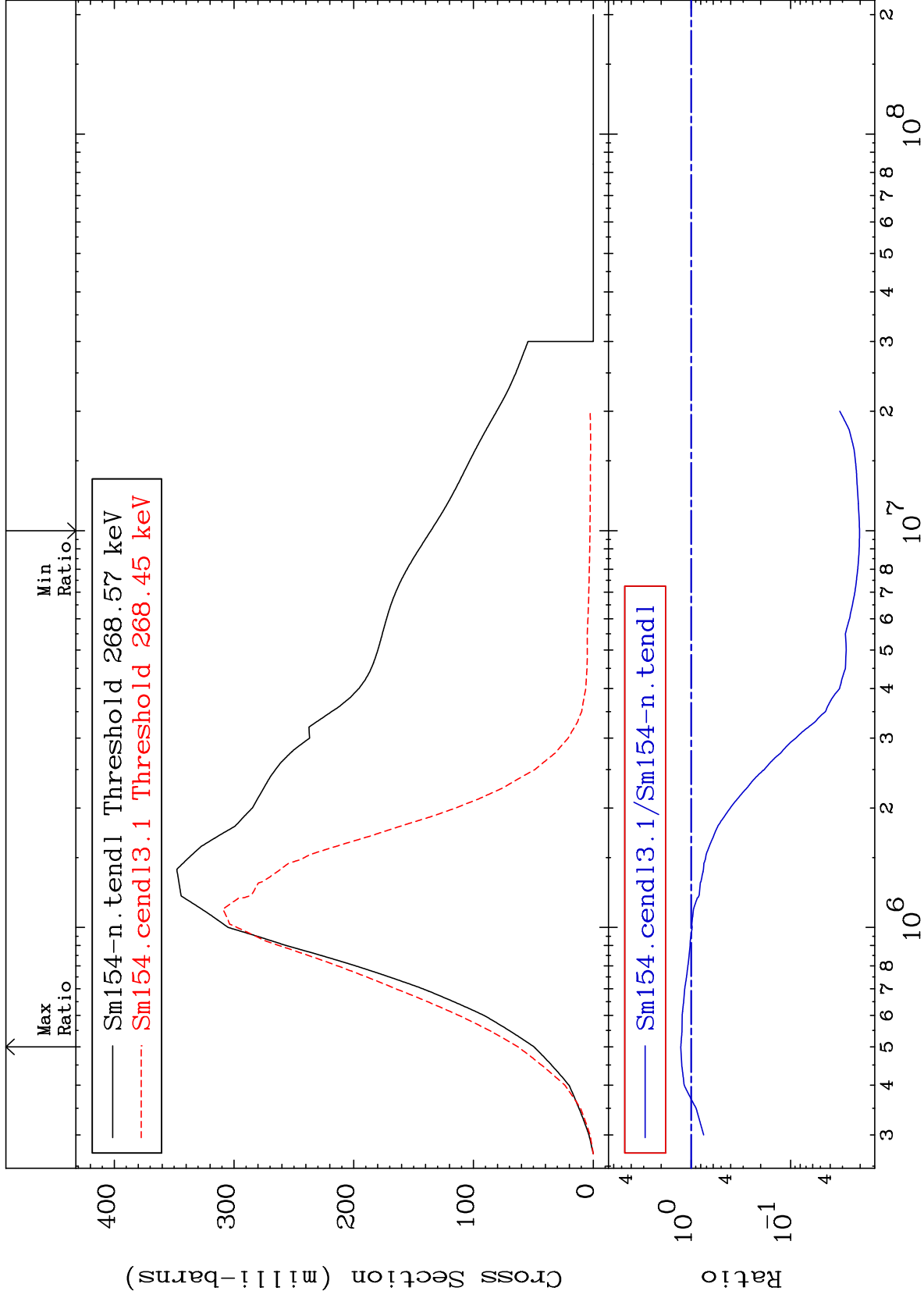
MAT 6255

266.8 keV (n,n') Level

62-Sm-154

-97.97 To 26.97 %

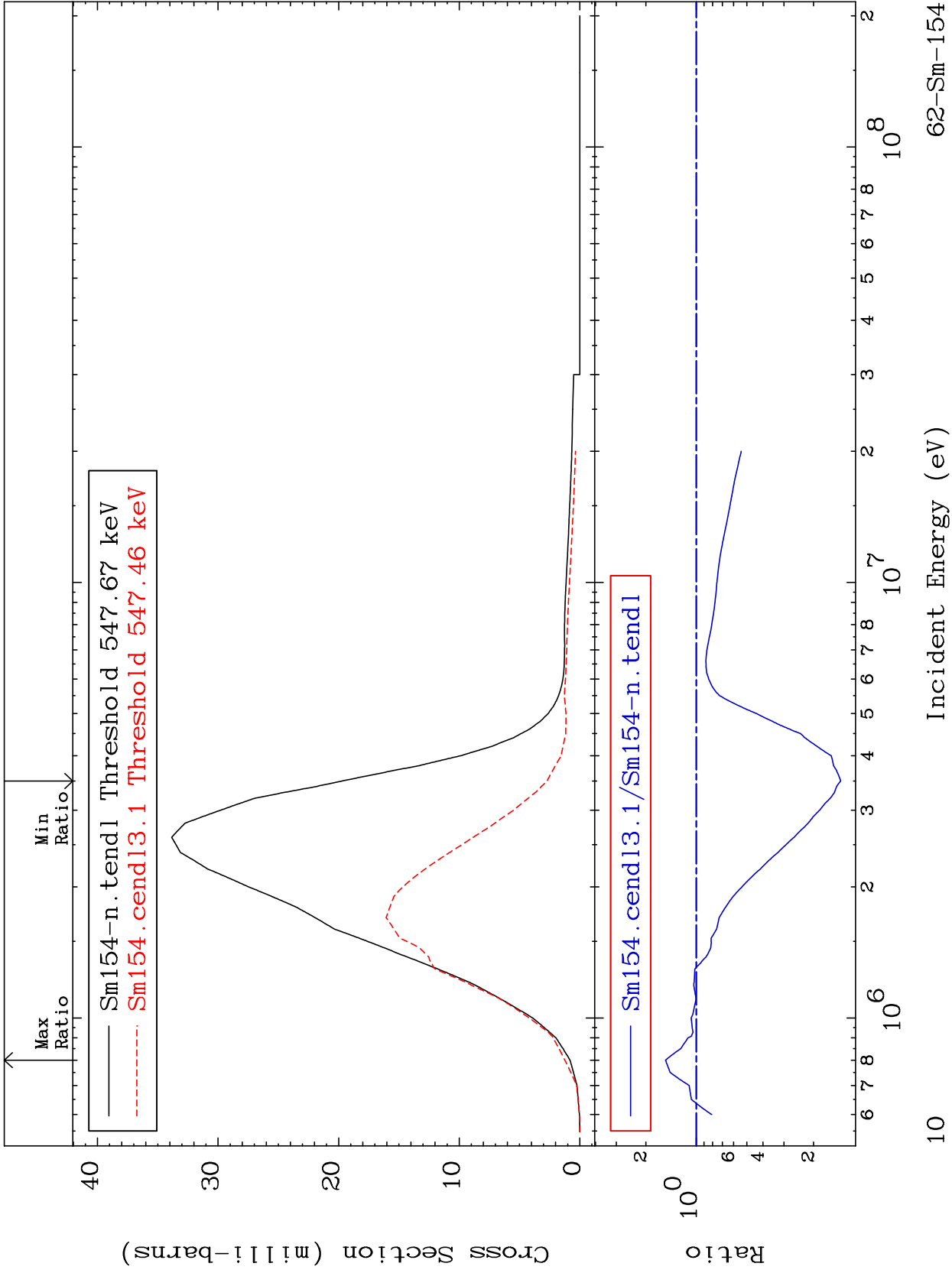
Cross Section



MAT 6255

544.1 keV (n,n') Level
Cross Section

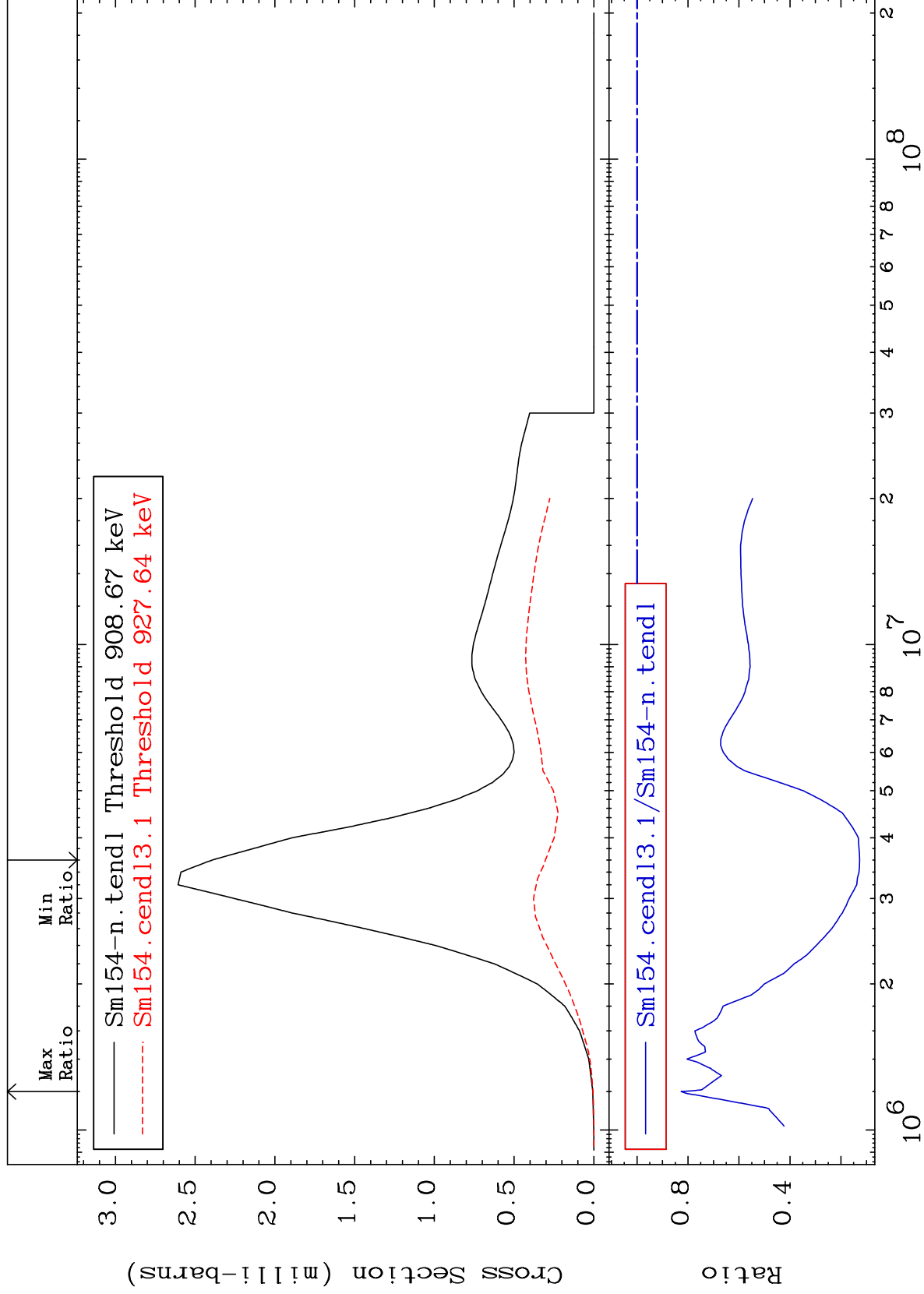
62-Sm-154
-86.23 To 52.77 %



MAT 6255

902.7 keV (n,n') Level
Cross Section

62-Sm-154
-87.34 To -17.33%



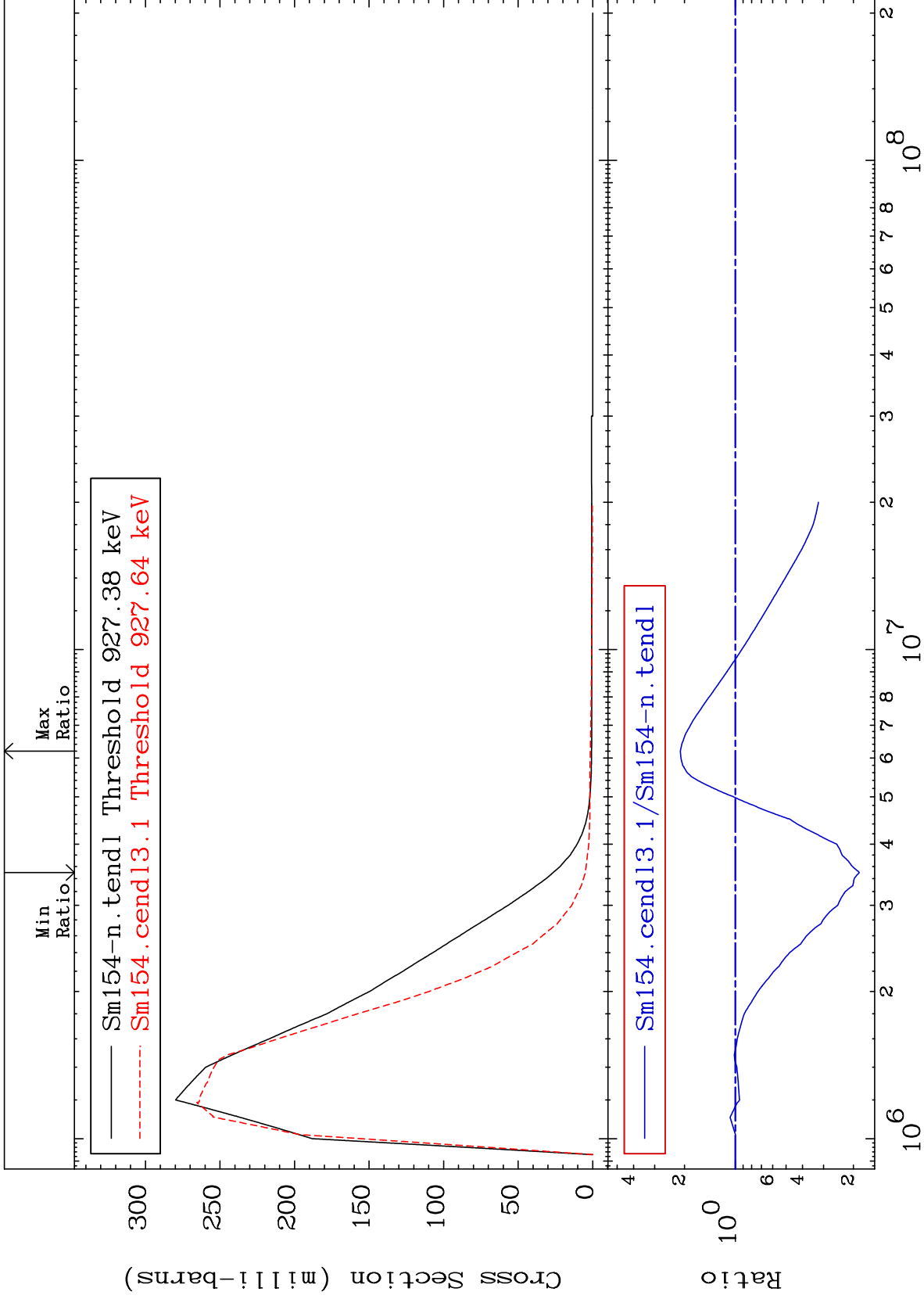
11

62-Sm-154

MAT 6255

921.3 keV (n,n') Level
Cross Section

62-Sm-154
-81.60 To 111.4 %



12

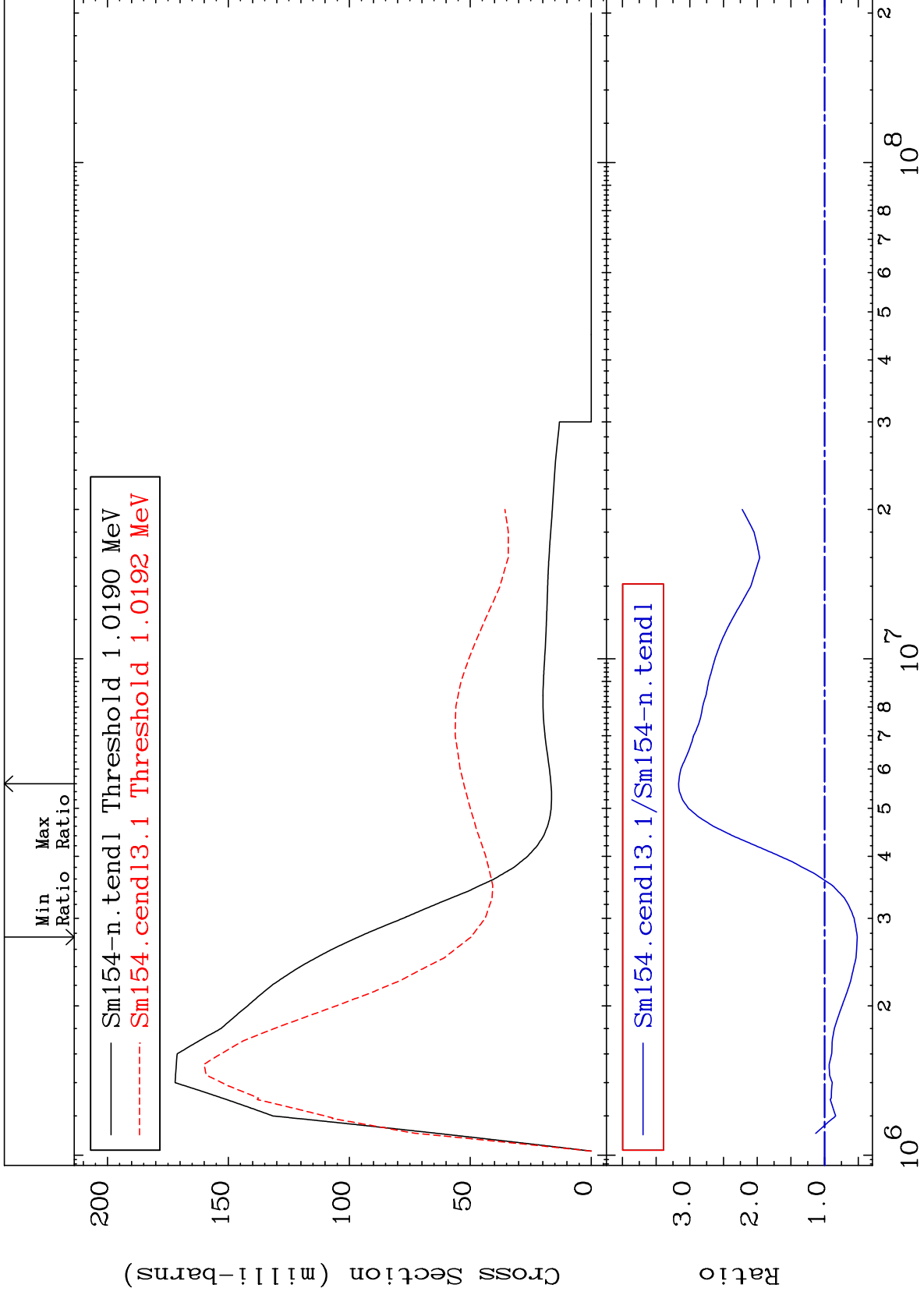
Incident Energy (eV)

62-Sm-154

MAT 6255

1.012 MeV (n,n') Level
Cross Section

62-Sm-154
-48.44 To 216.6 %



13

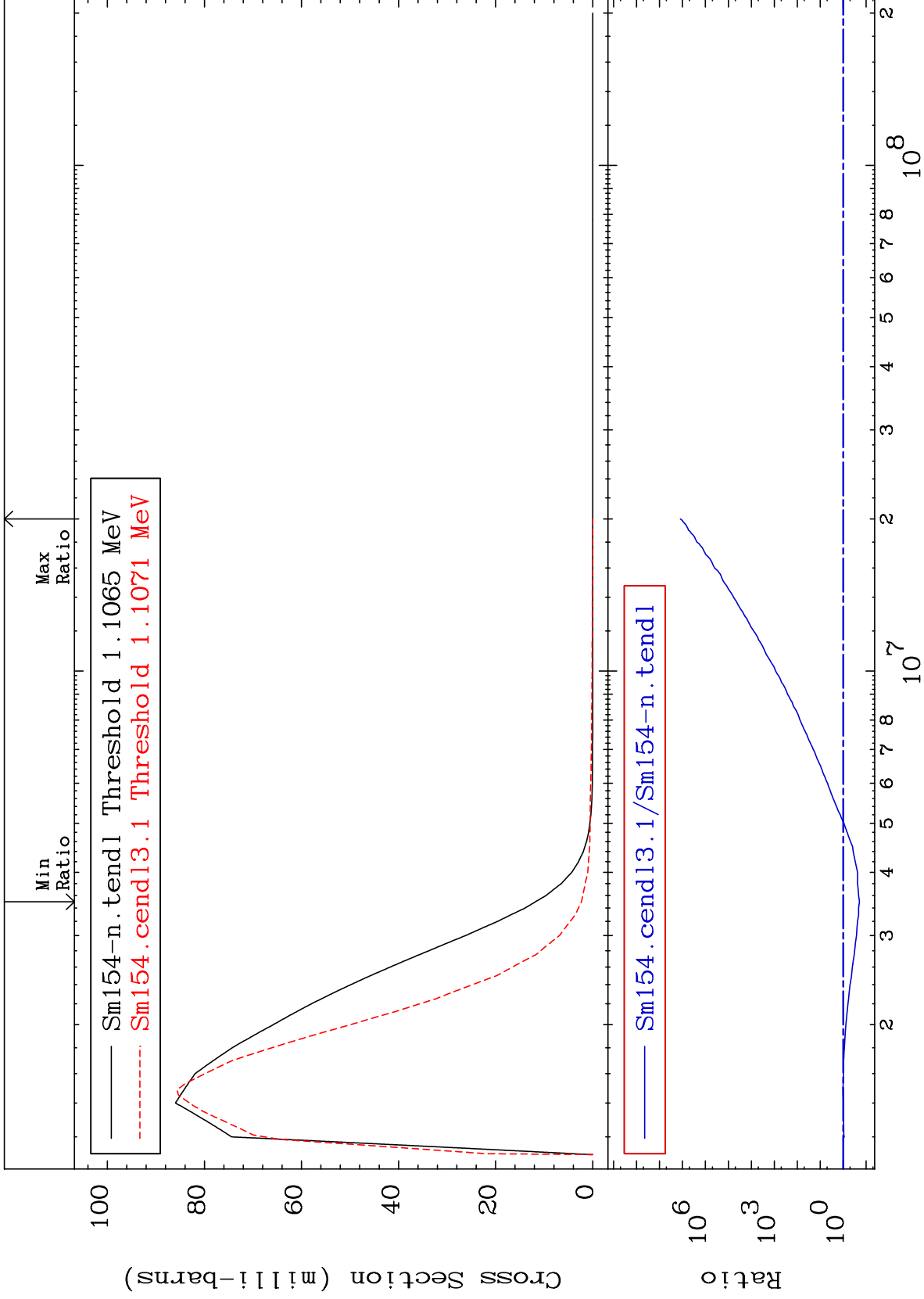
Incident Energy (eV)

62-Sm-154

MAT 6255

1.099 MeV (n,n') Level
Cross Section

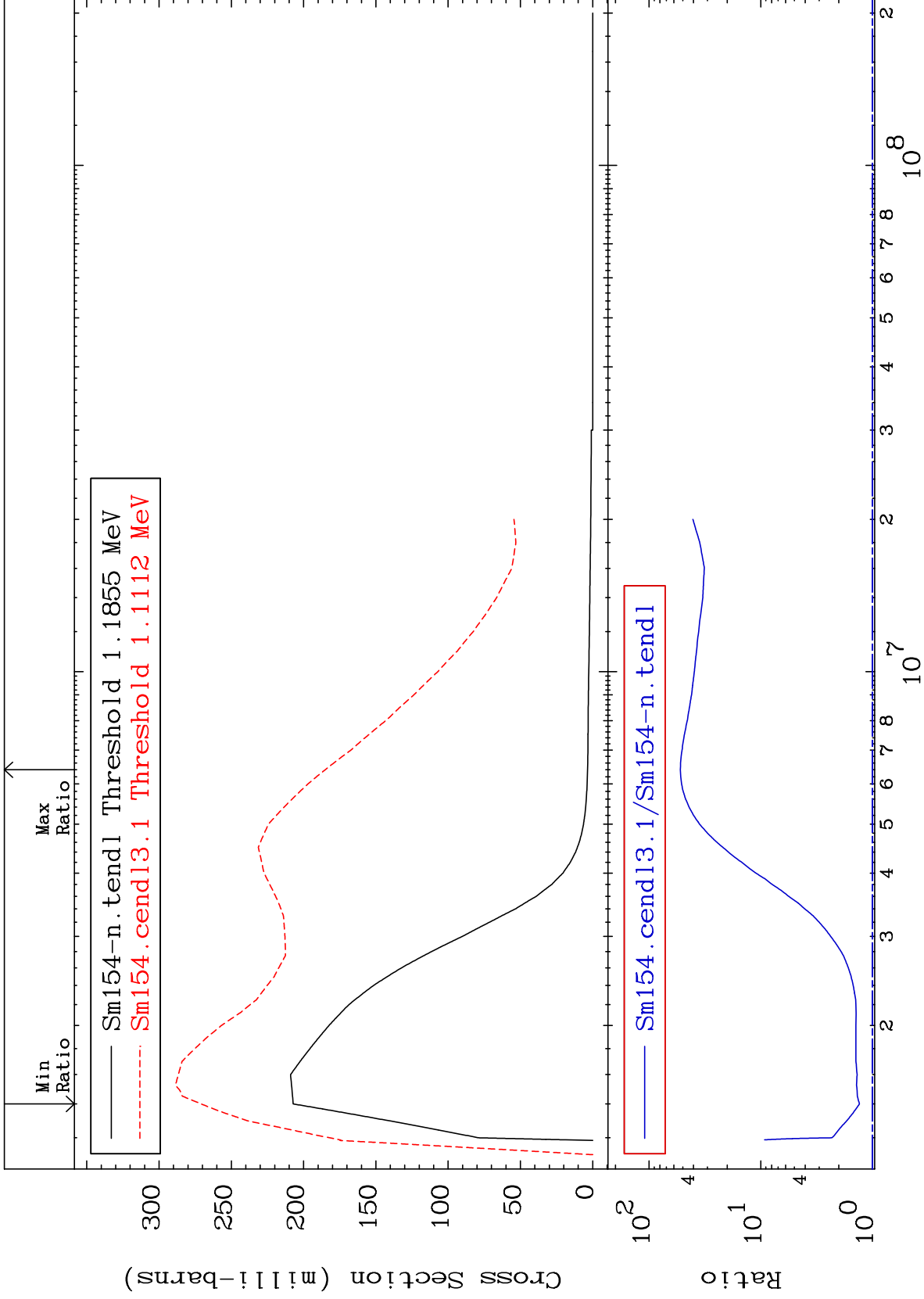
62-Sm-154
-80.44 To 9999. %



MAT 6255

1.178 MeV (n,n') Level
Cross Section

62-Sm-154
30.71 To 5150. %



15

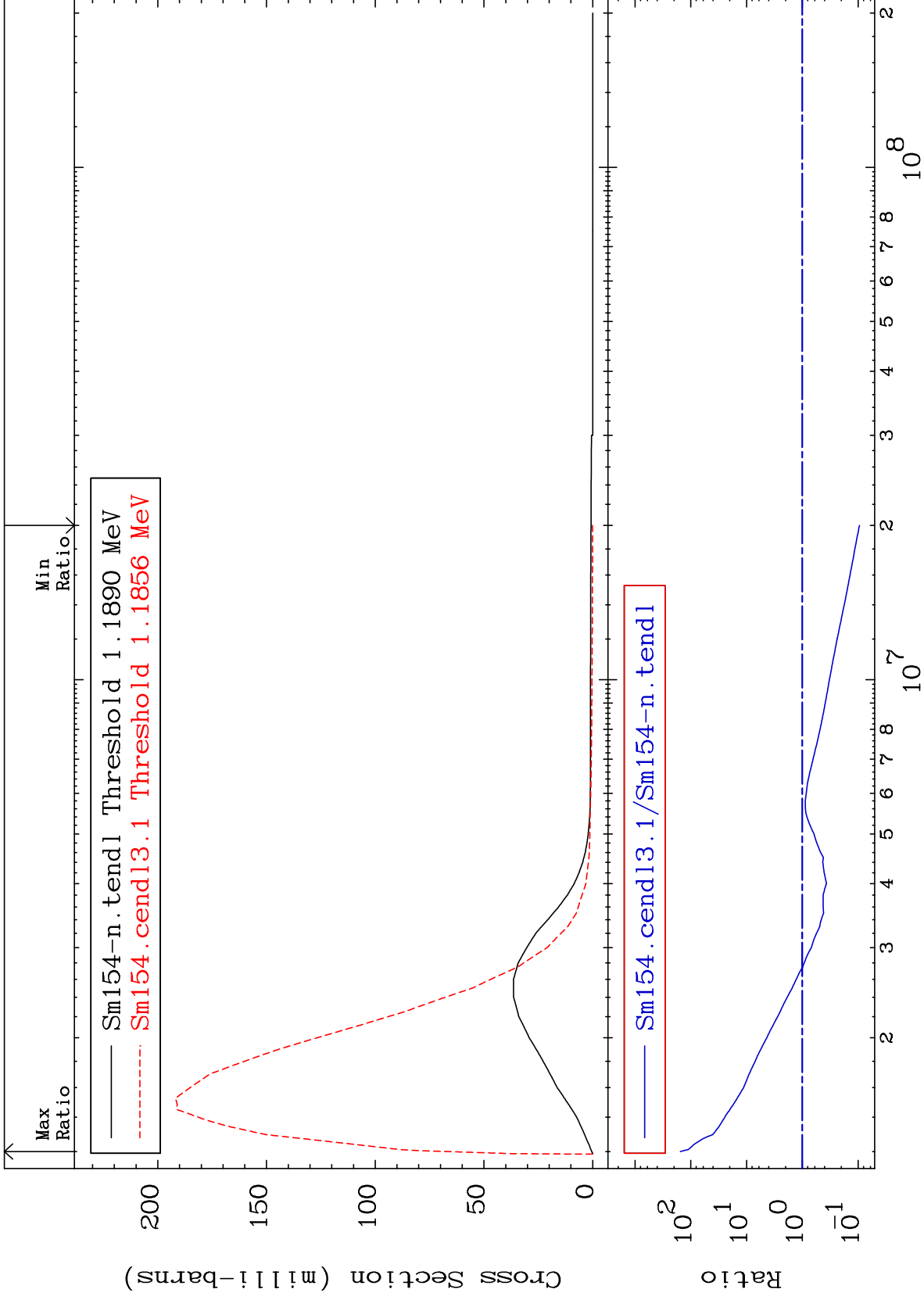
Incident Energy (eV)

62-Sm-154

MAT 6255

1.181 MeV (n,n') Level
Cross Section

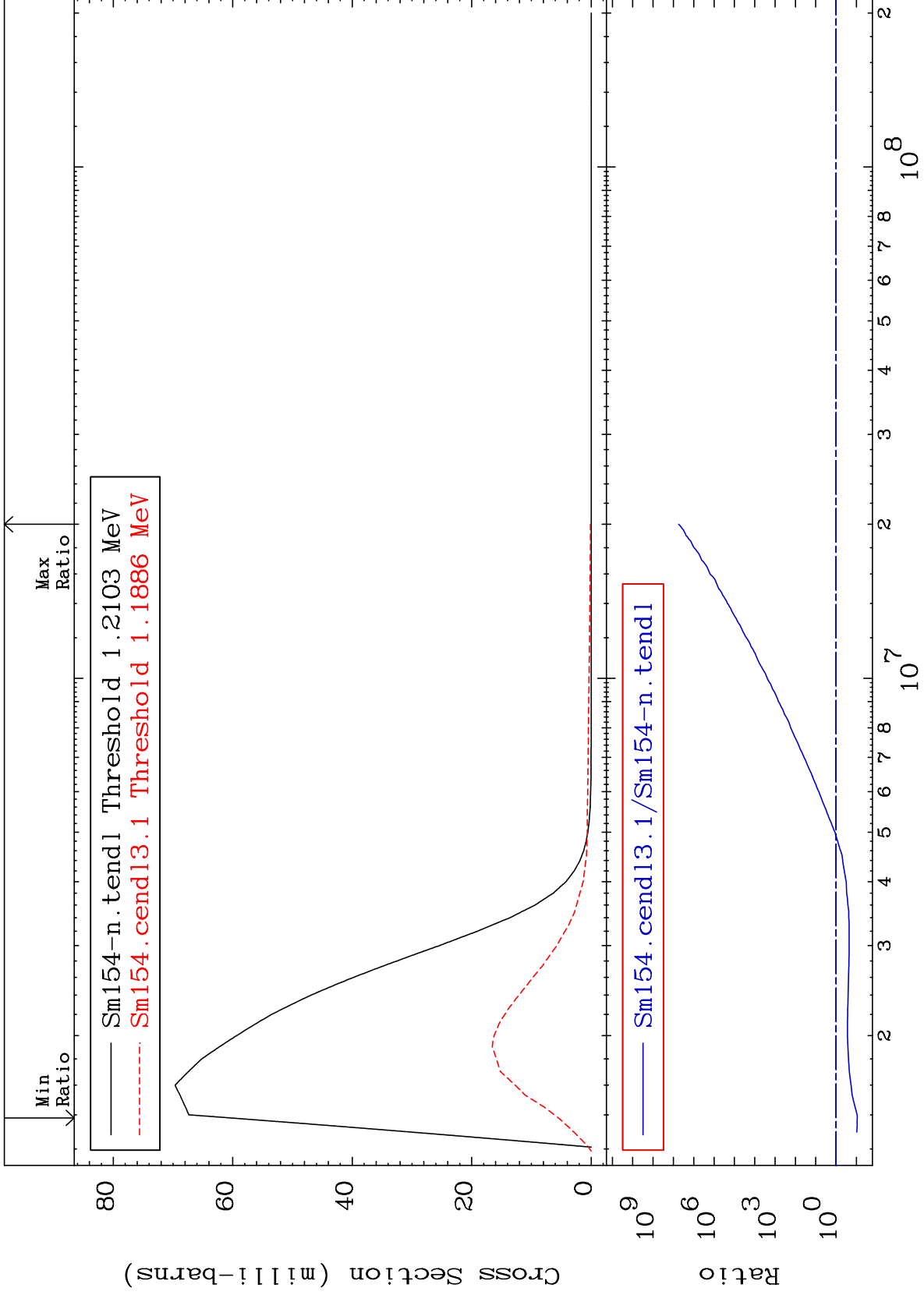
62-Sm-154
-90.52 To 9999. %



MAT 6255

1.202 MeV (n,n') Level
Cross Section

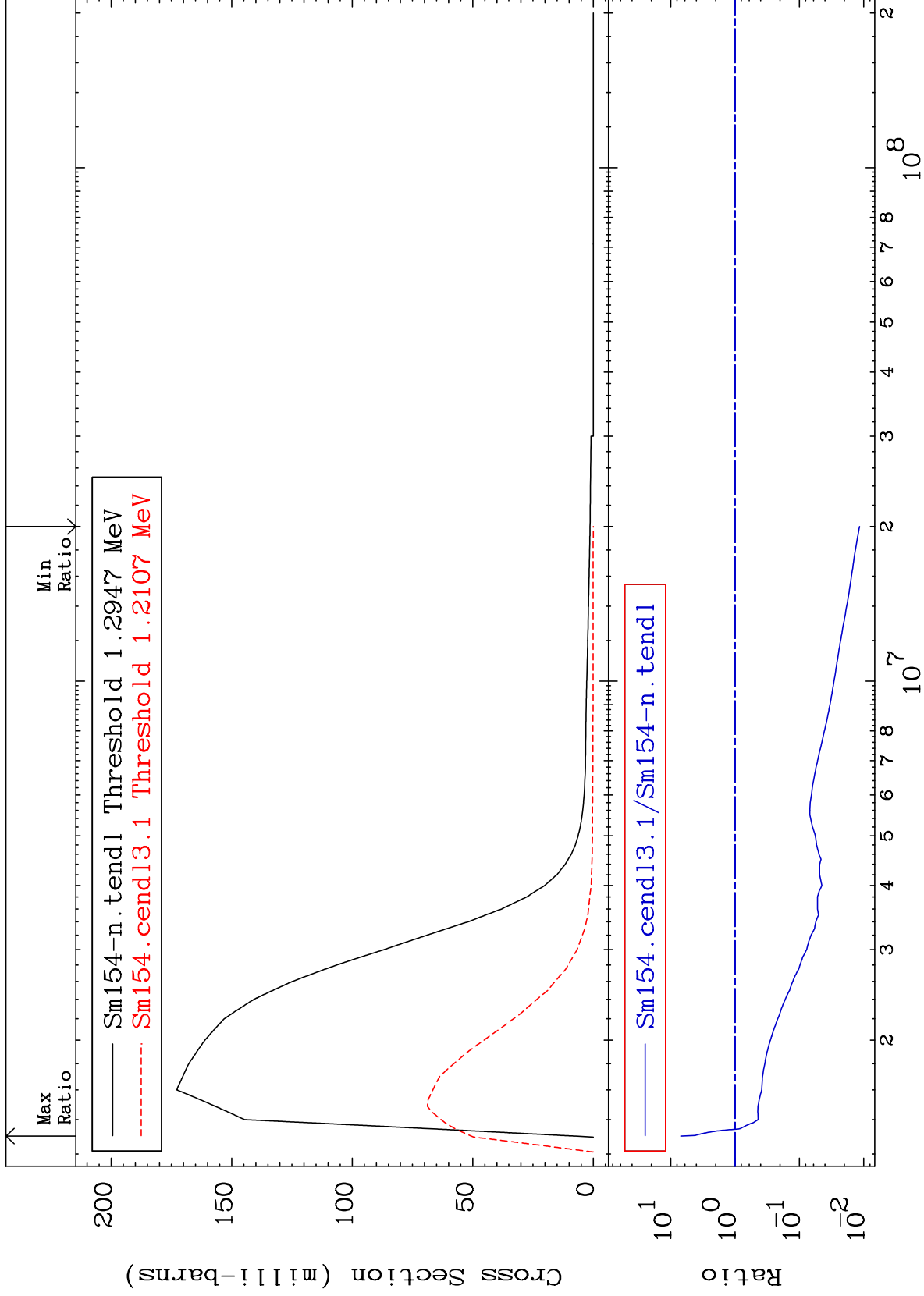
62-Sm-154
-90.90 To 9999. %



MAT 6255

1.286 MeV (n,n') Level
Cross Section

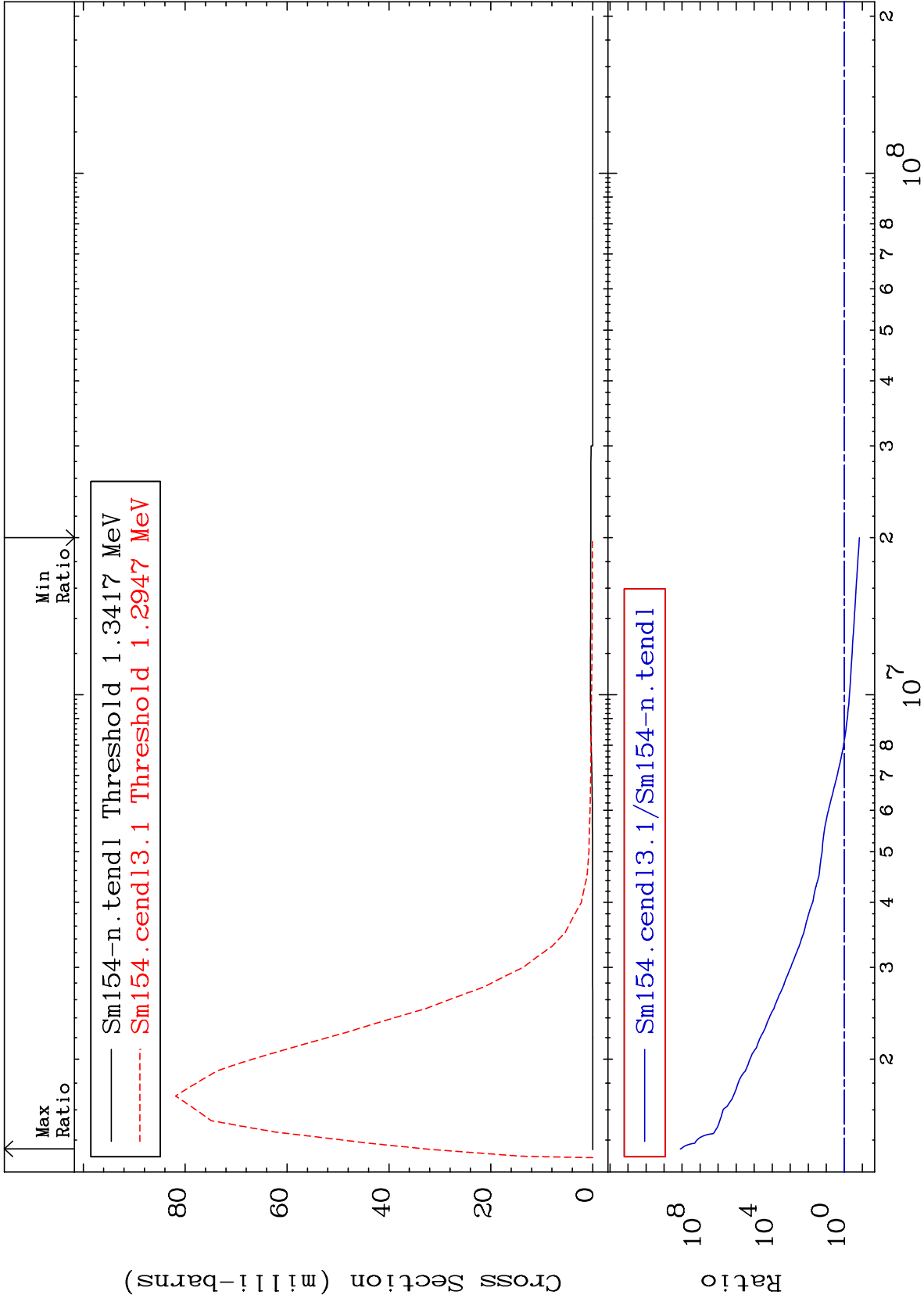
62-Sm-154
-98.84 To 596.7 %



MAT 6255

1.333 MeV (n,n') Level
Cross Section

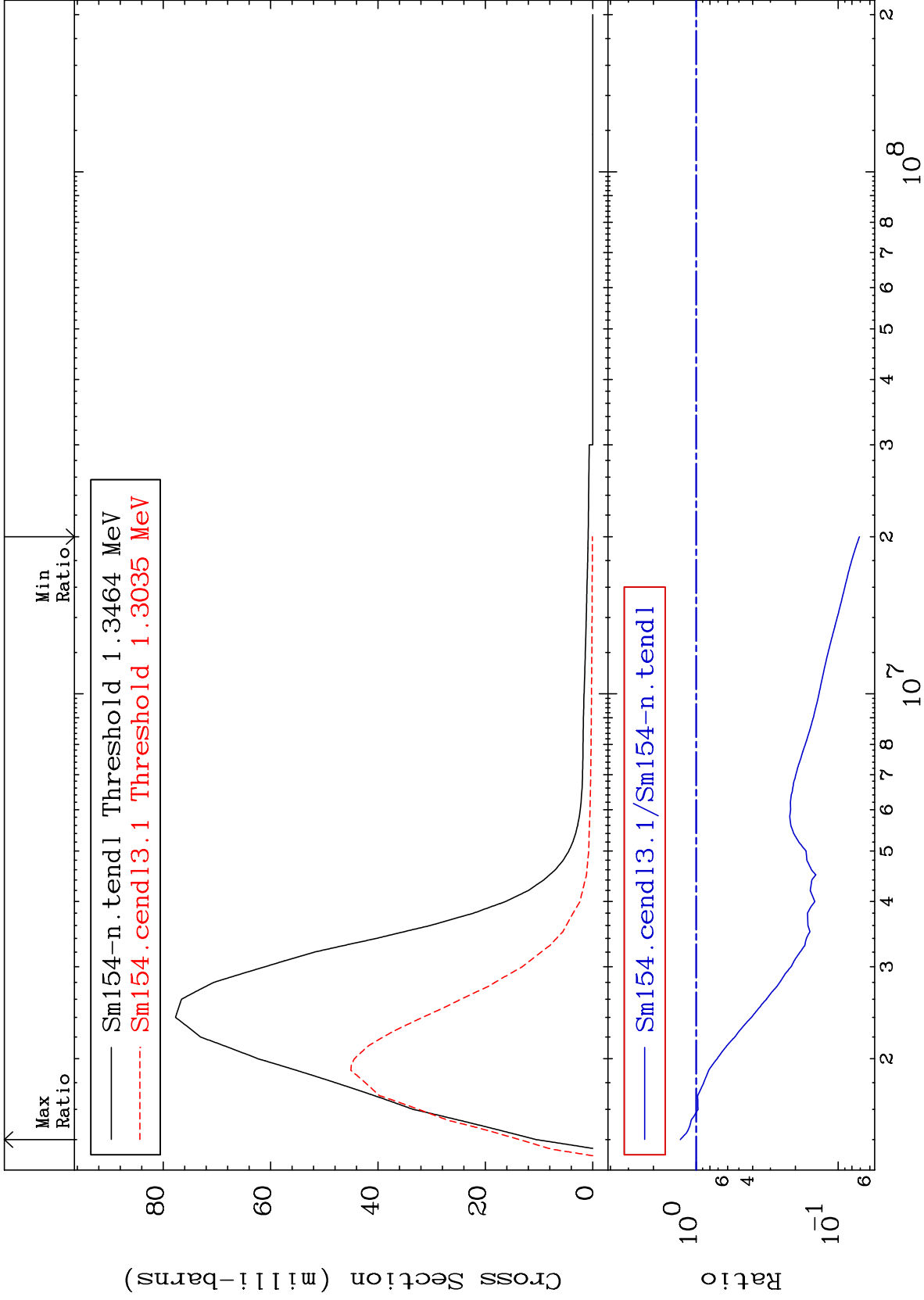
62-Sm-154
-85.50 To 9999. %



MAT 6255

1.338 MeV (n,n') Level
Cross Section

62-Sm-154
-92.91 To 29.09 %



20

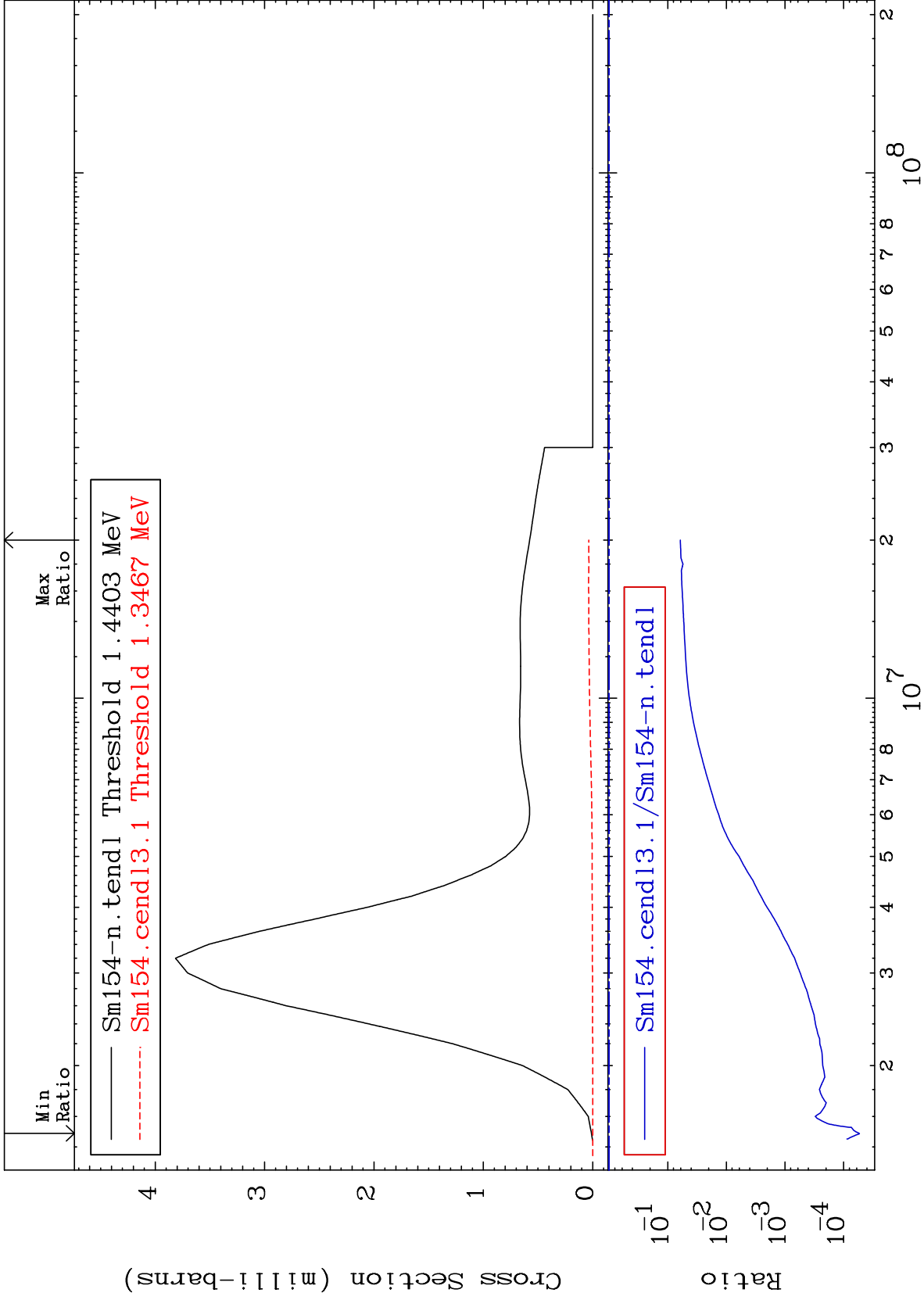
Incident Energy (eV)

62-Sm-154

MAT 6255

1.431 MeV (n,n') Level
Cross Section

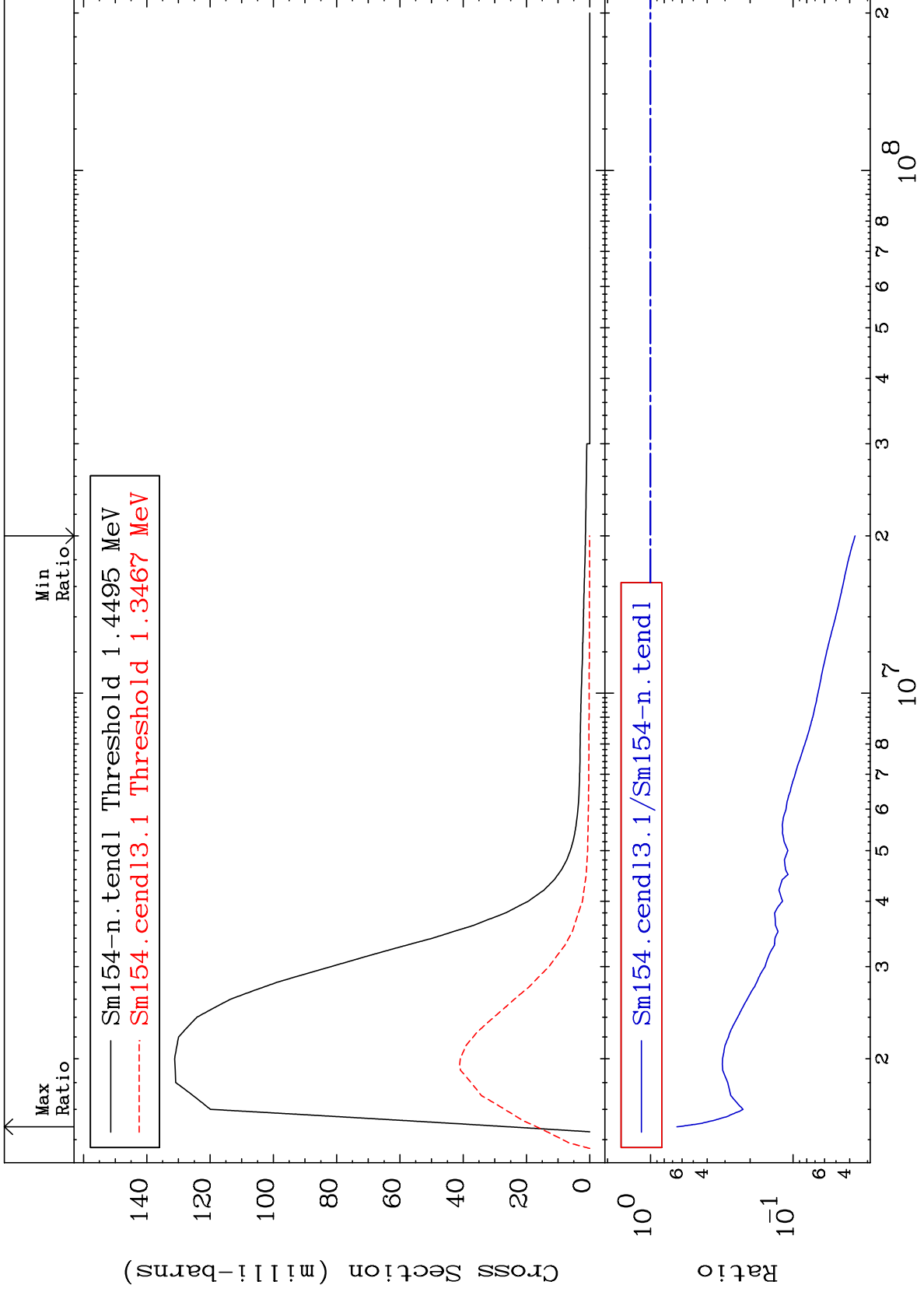
62-Sm-154
-99.99 To -93.91%

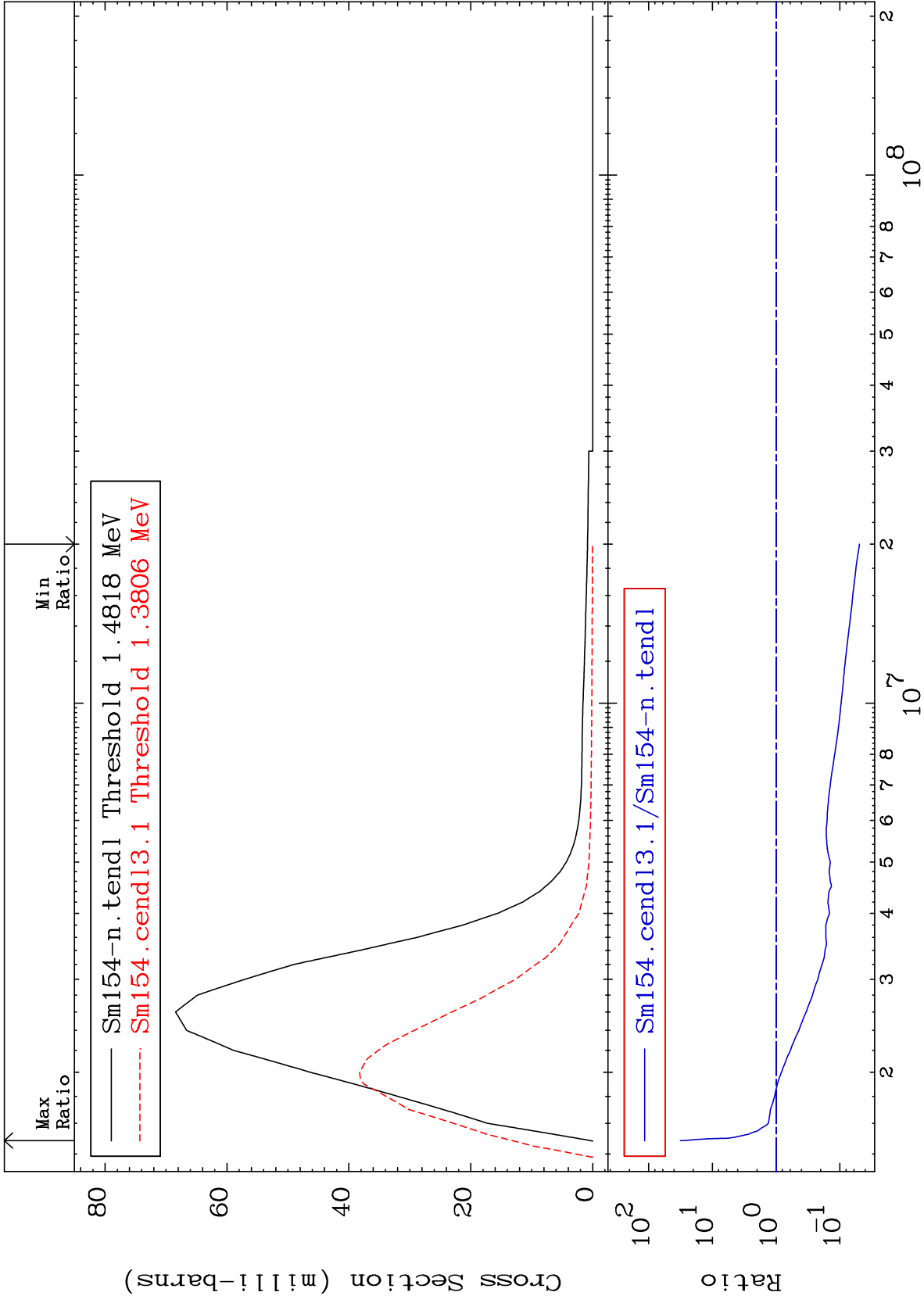


MAT 6255

1.440 MeV (n,n') Level
Cross Section

62-Sm-154
-96.33 To -34.81%

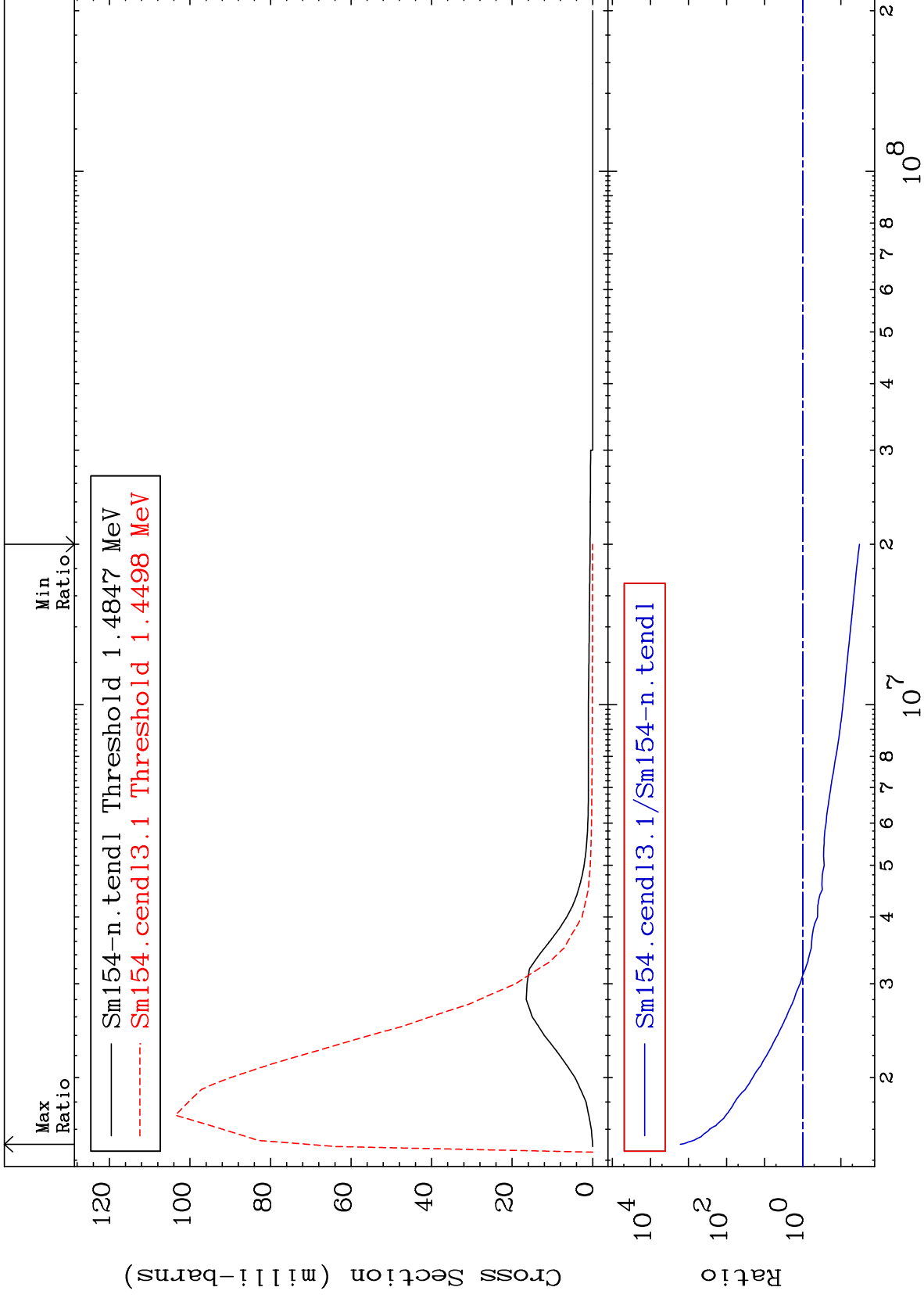




MAT 6255

1.475 MeV (n,n') Level
Cross Section

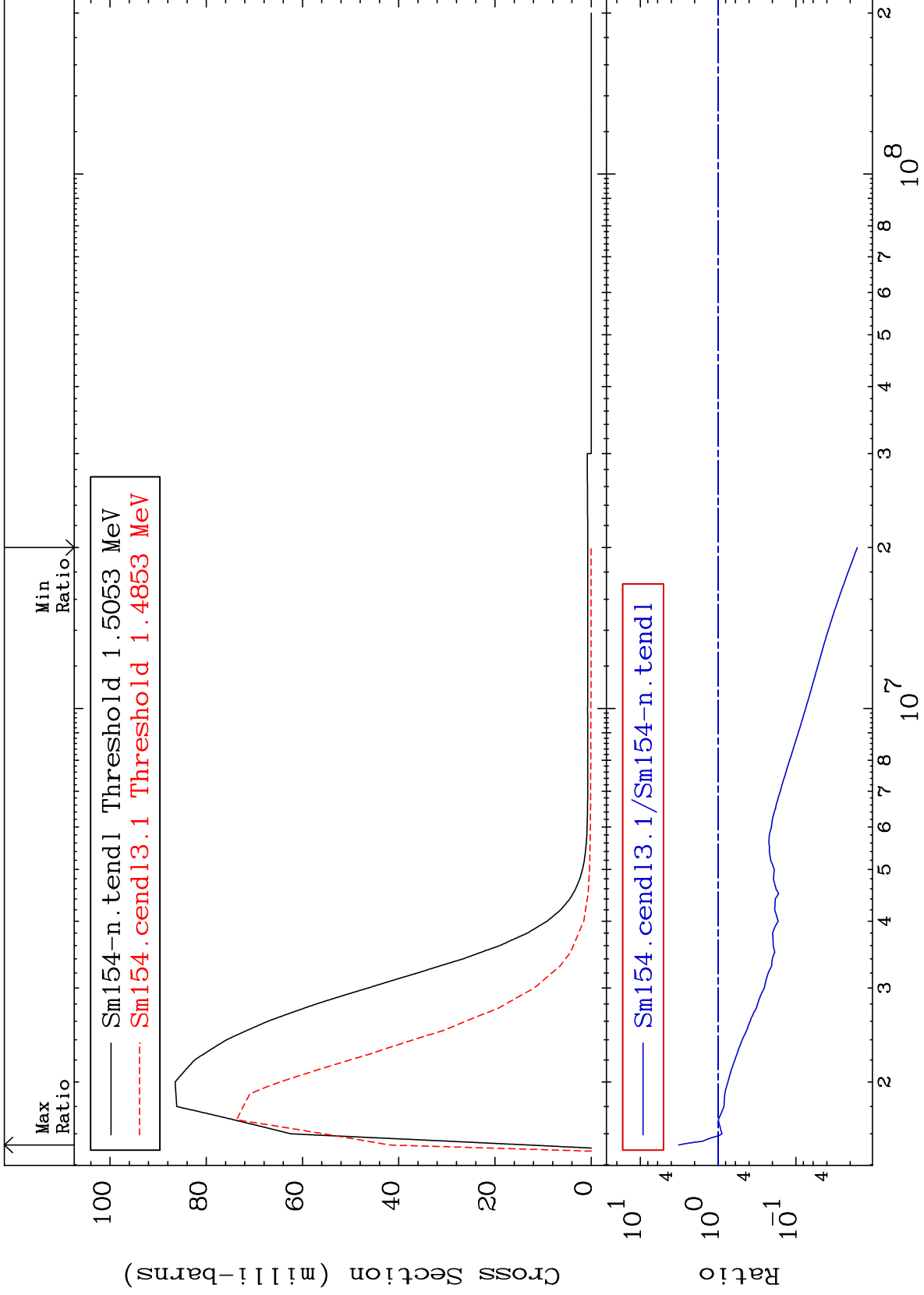
62-Sm-154
-96.76 To 9999. %



MAT 6255

1.495 MeV (n,n') Level
Cross Section

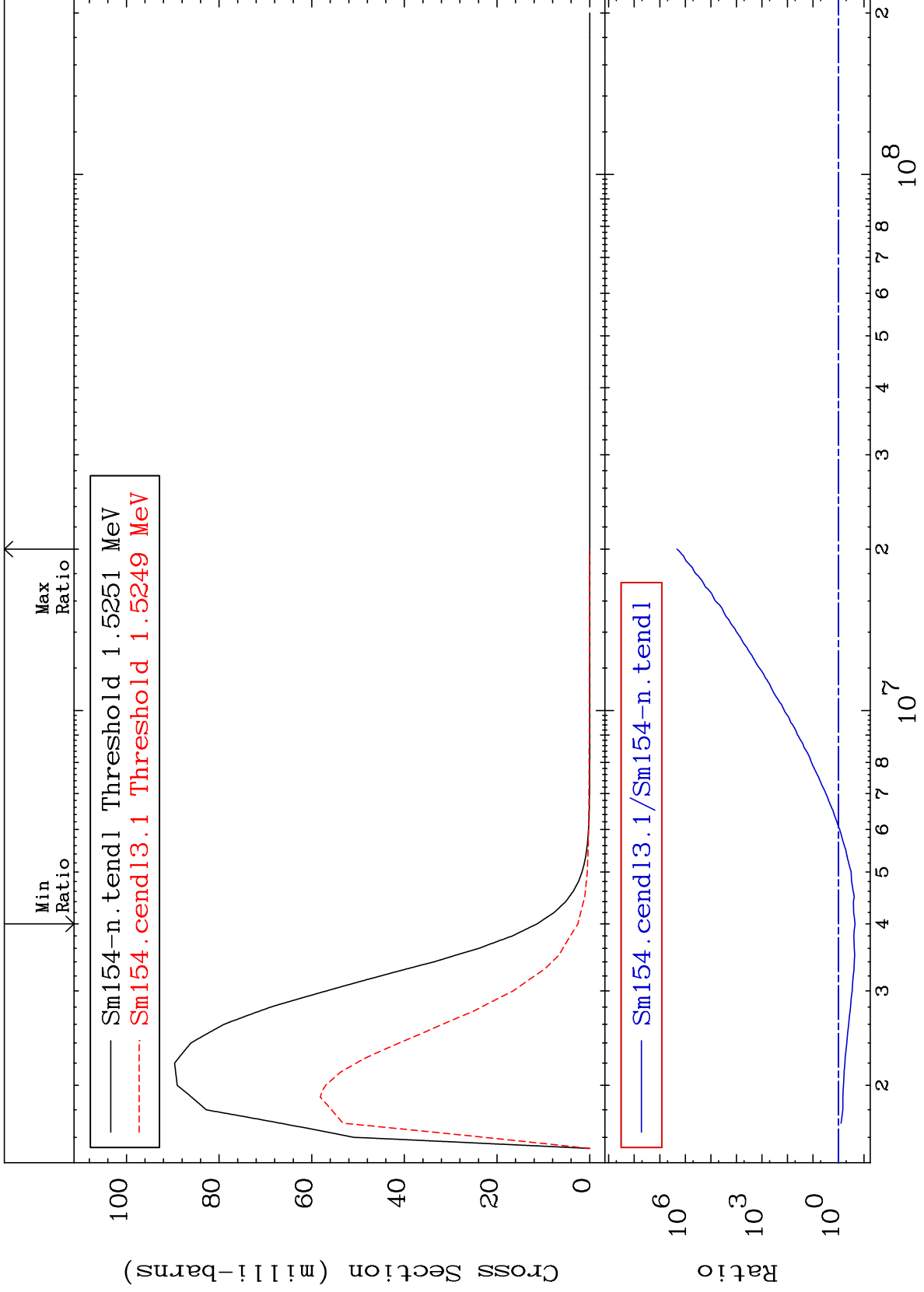
62-Sm-154
-98.38 To 221.3 %

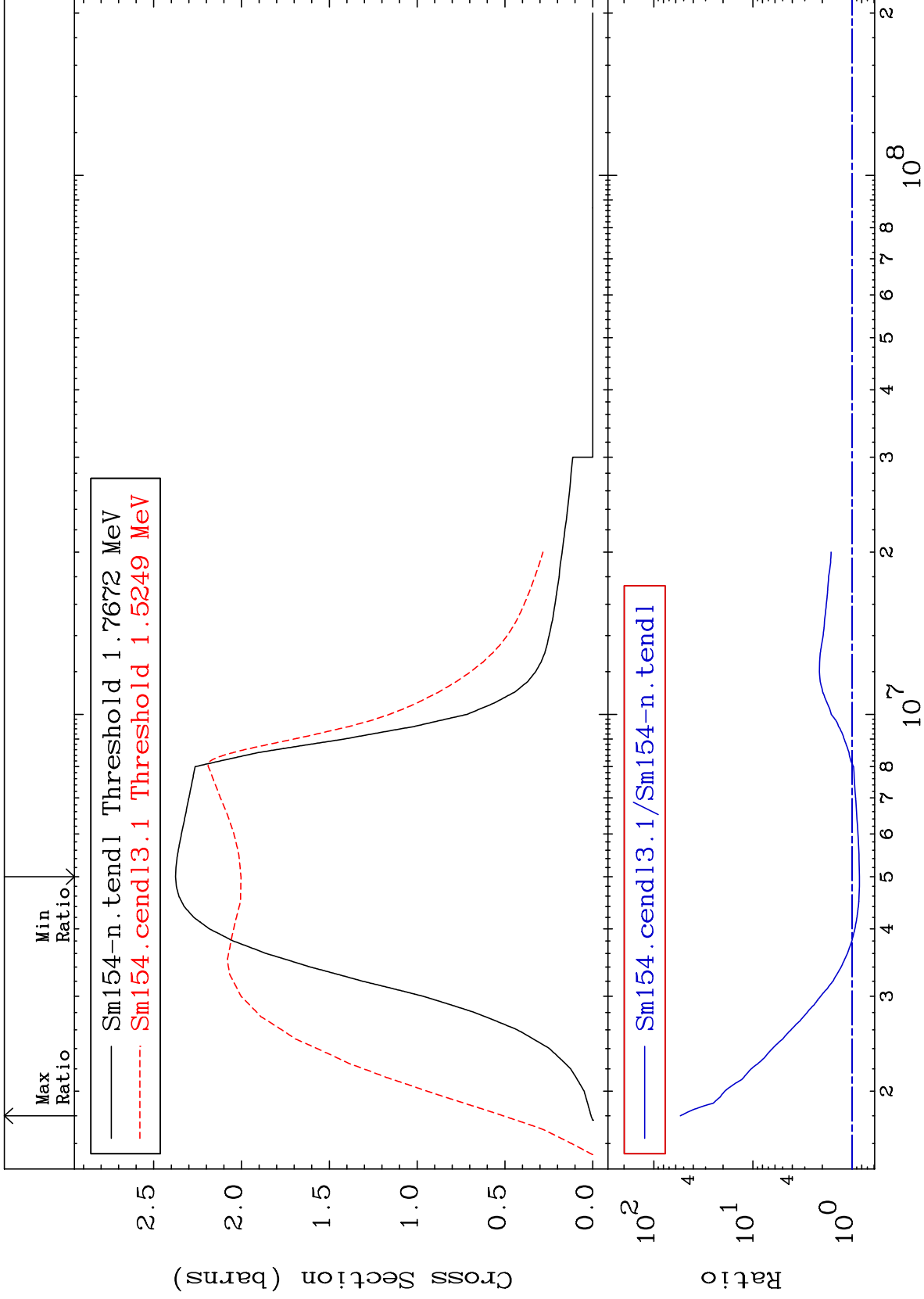


MAT 6255

1.515 MeV (n,n') Level
Cross Section

62-Sm-154
-77.63 To 9999. %





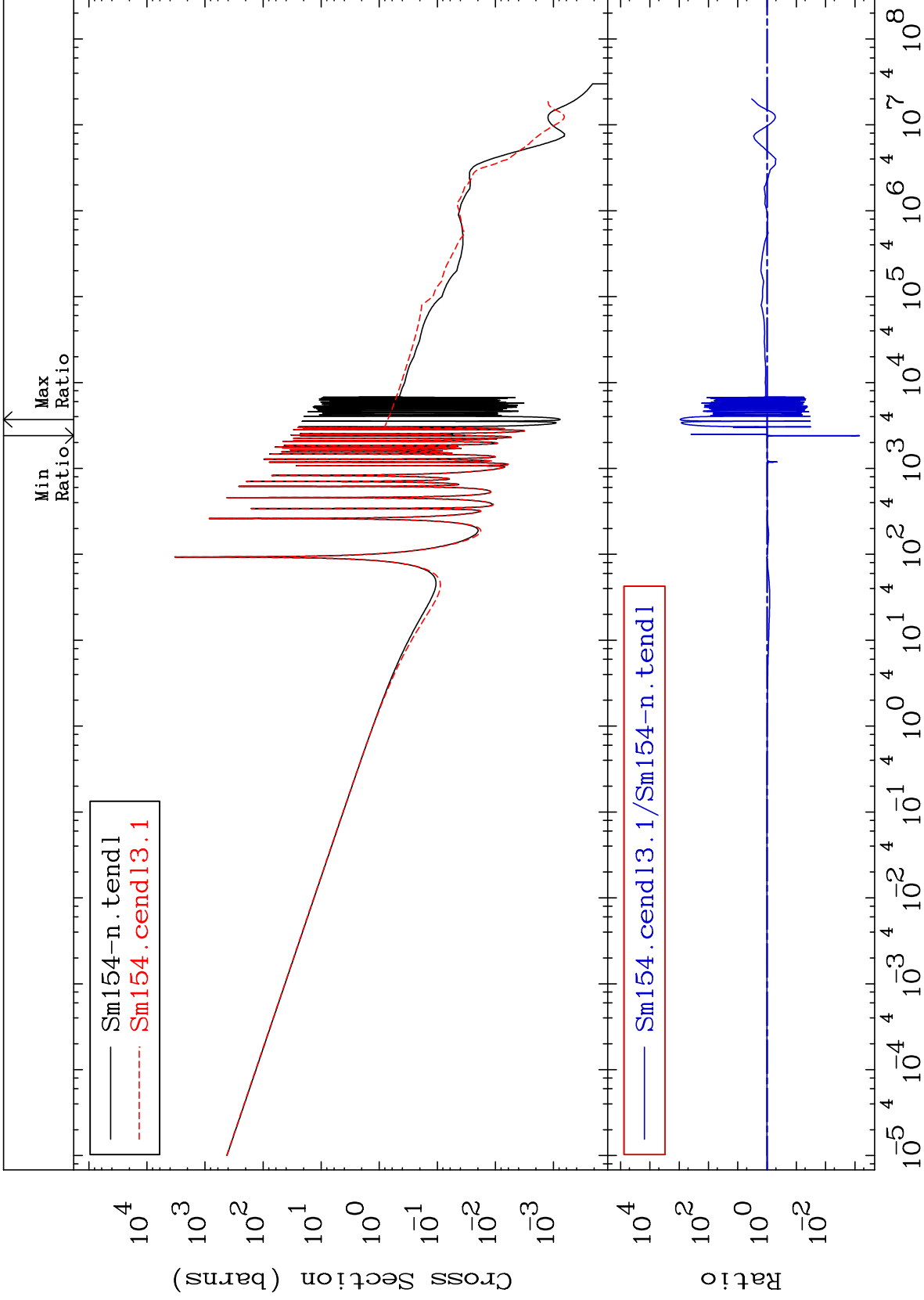
MAT 6255

(n, γ)

62-Sm-154

Cross Section

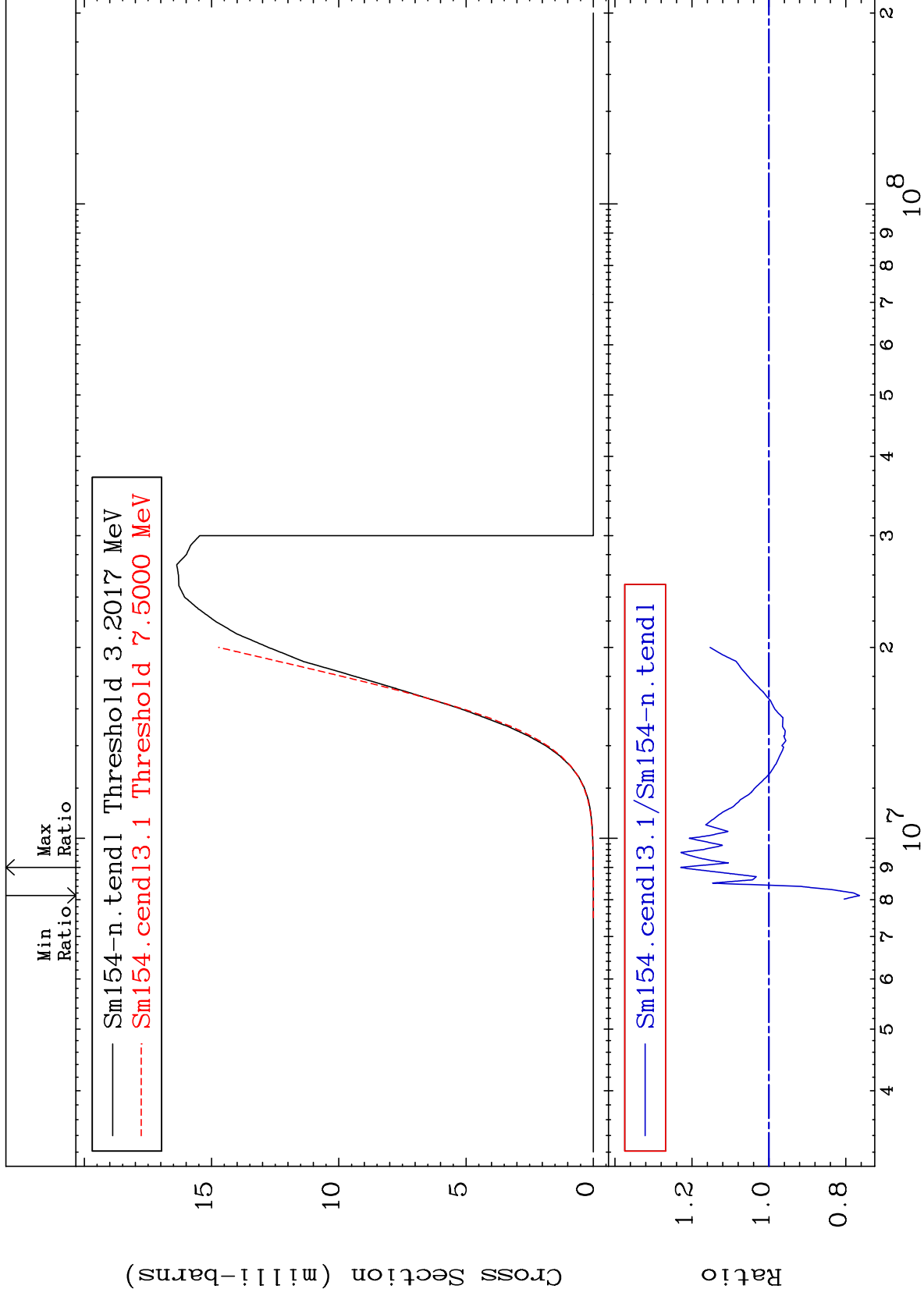
-99.93 To 9999. %



MAT 6255

(n,p)
Cross Section

62-Sm-154
-23.55 To 22.90 %



29

62-Sm-154

62-Sm-154

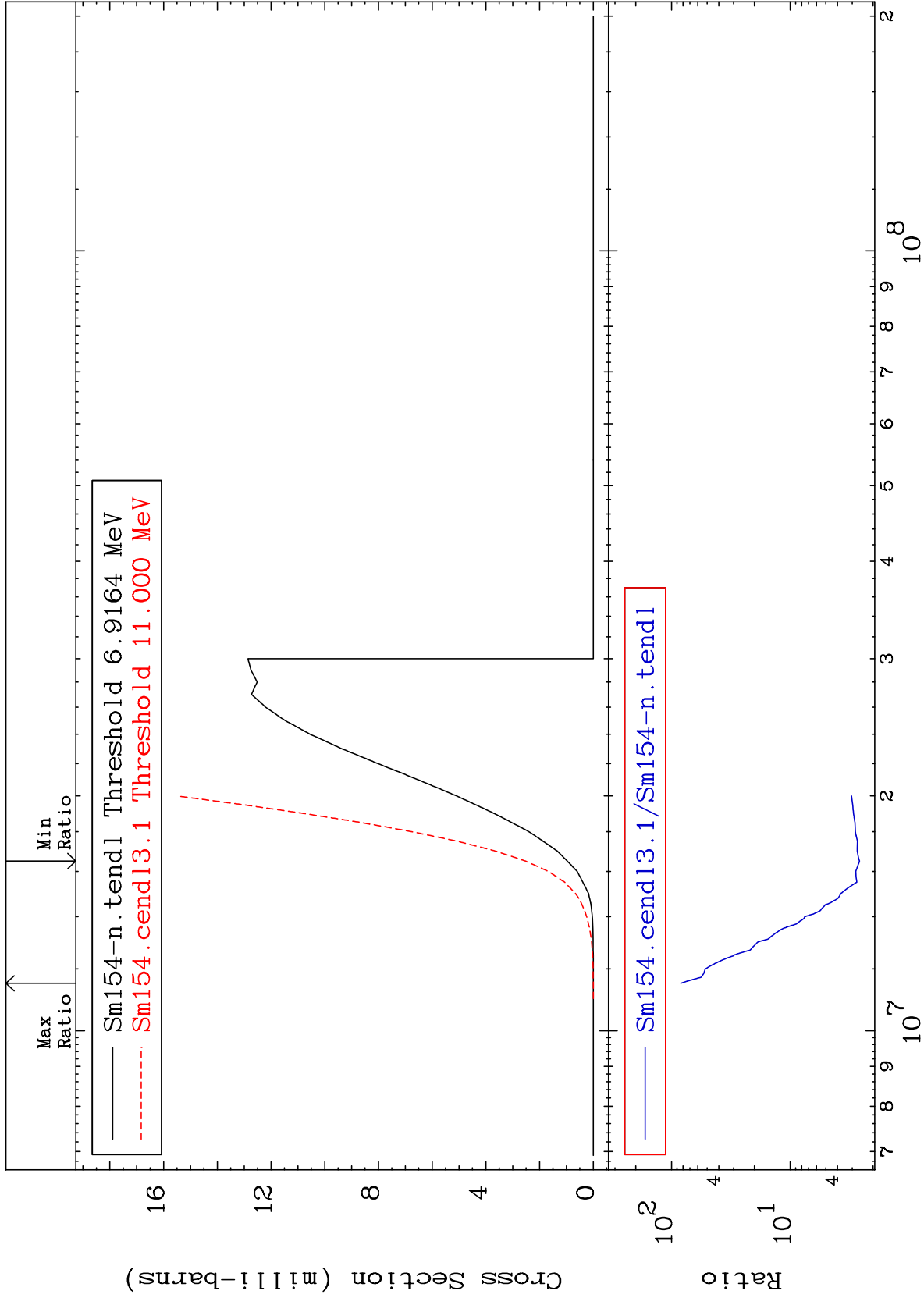
MAT 6255

(n, d)

62-Sm-154

Cross Section

160.3 To 8261. %



30

Incident Energy (eV)

62-Sm-154

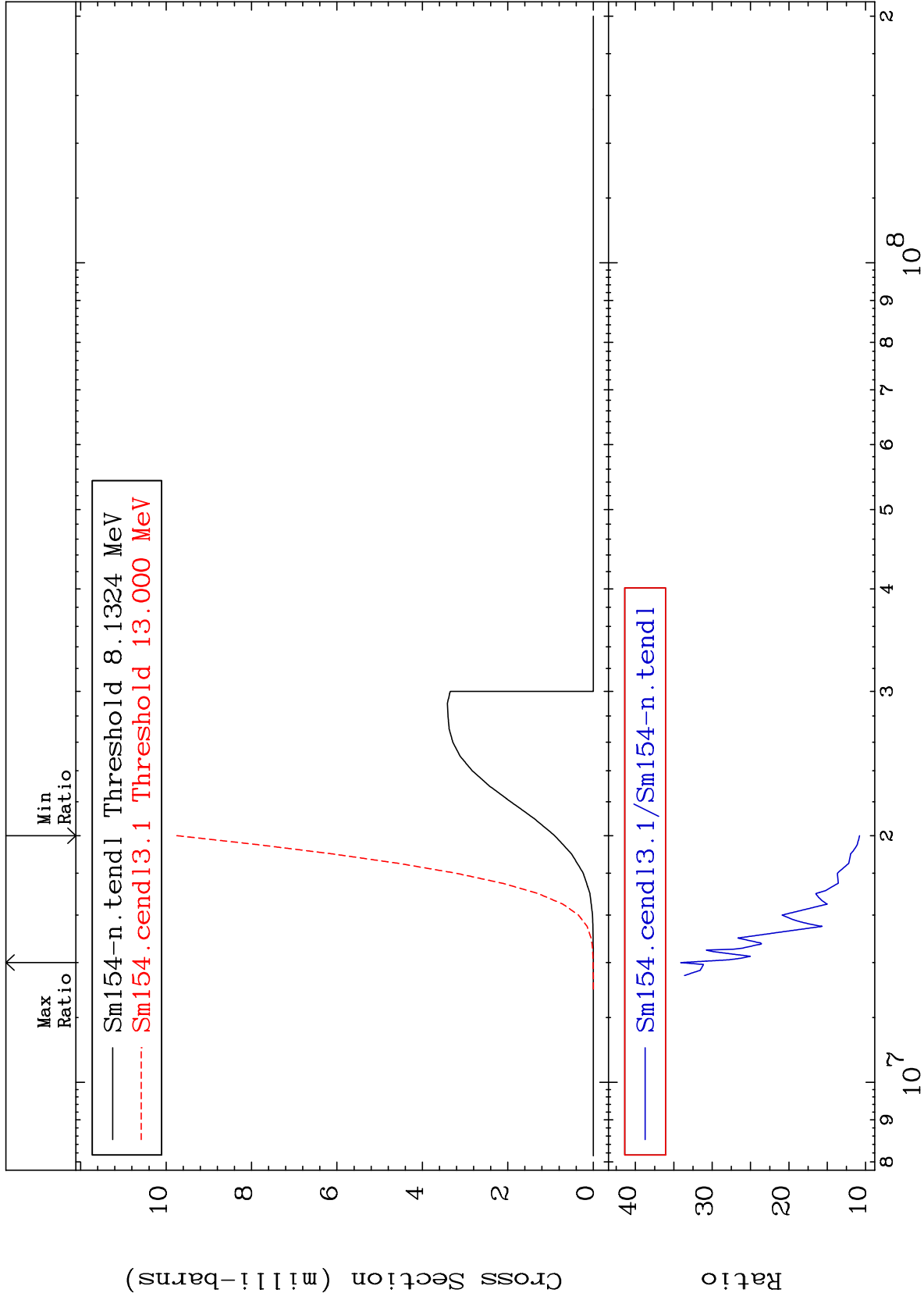
MAT 6255

(n, t)

62-Sm-154

Cross Section

979.8 To 3309. %



31

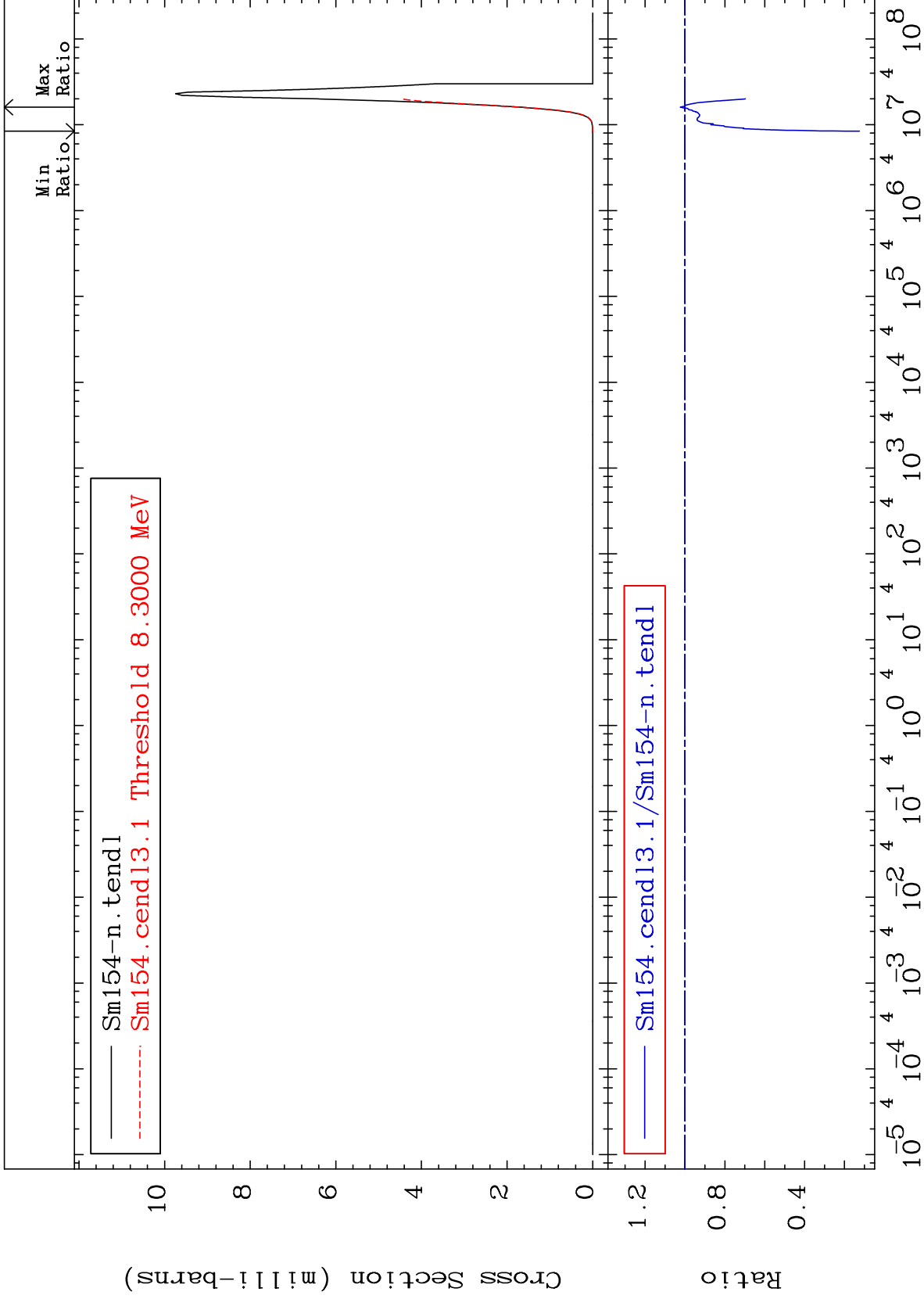
Incident Energy (eV)

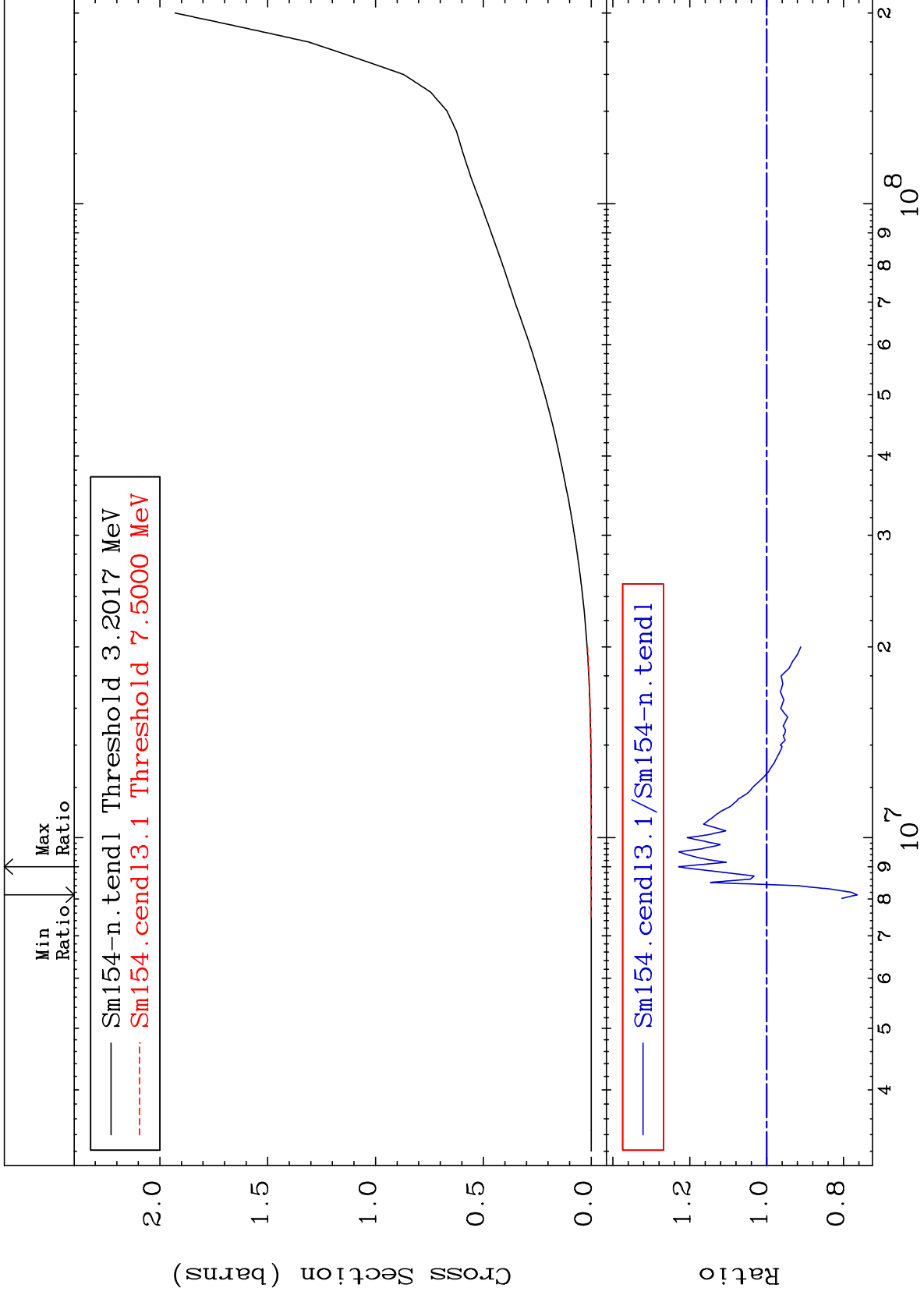
62-Sm-154

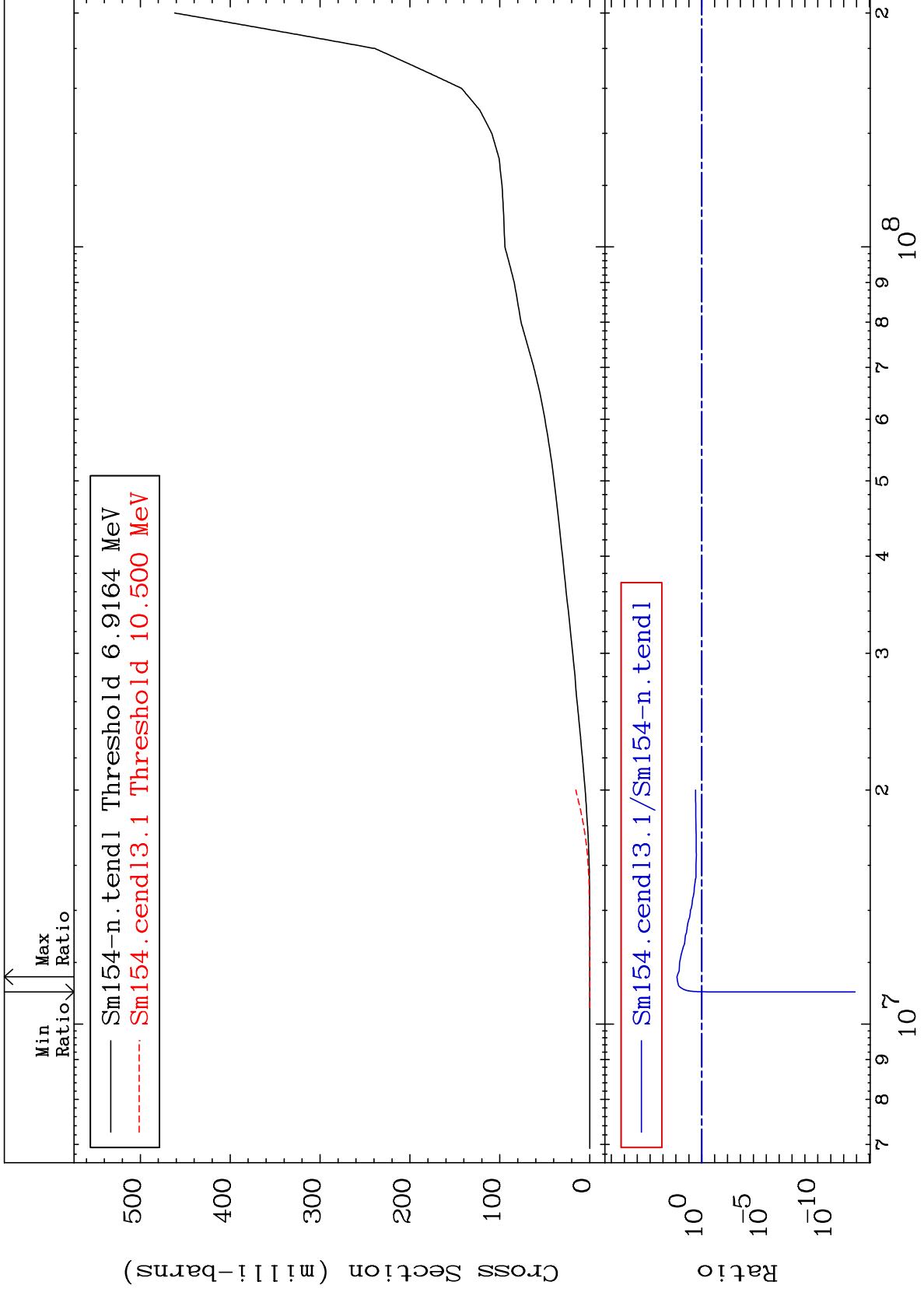
MAT 6255

(n, α)
Cross Section

62-Sm-154
-87.48 To 2.311 %



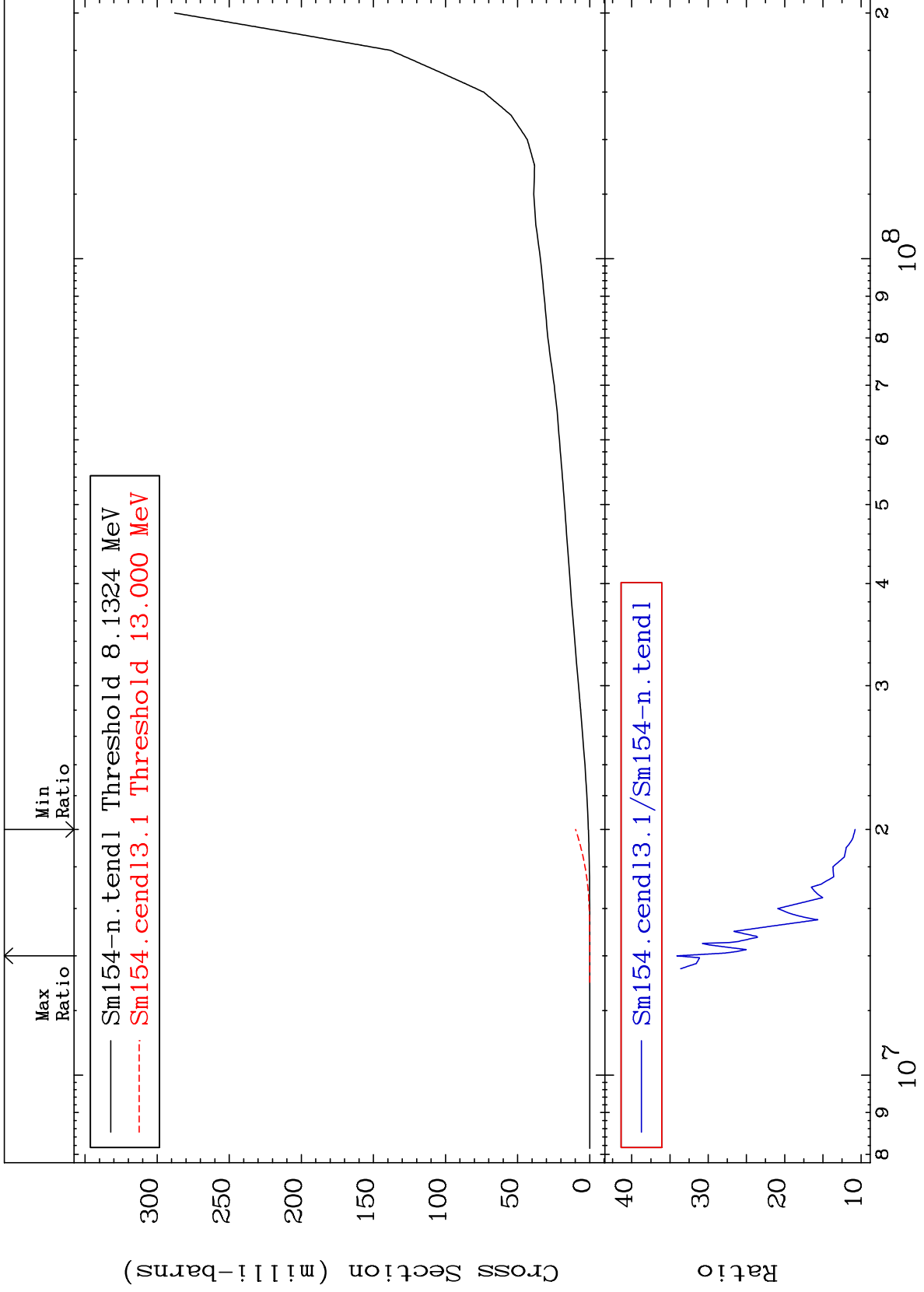




MAT 6255

Tritium Production
Cross Section

62-Sm-154
979.0 To 3309. %



35

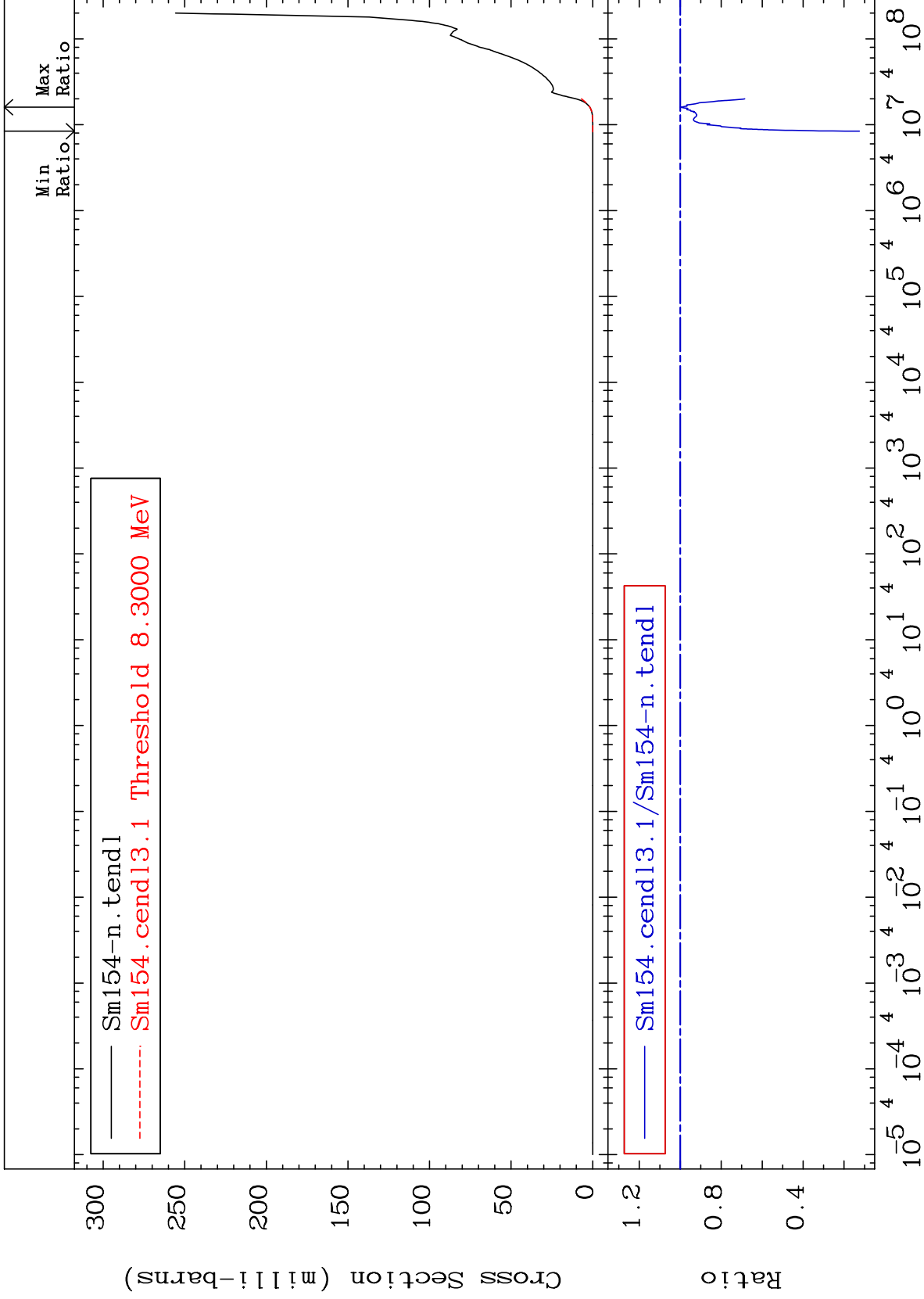
Incident Energy (eV)

62-Sm-154

MAT 6255

He-4 Production
Cross Section

62-Sm-154
-87.50 To -0.051%



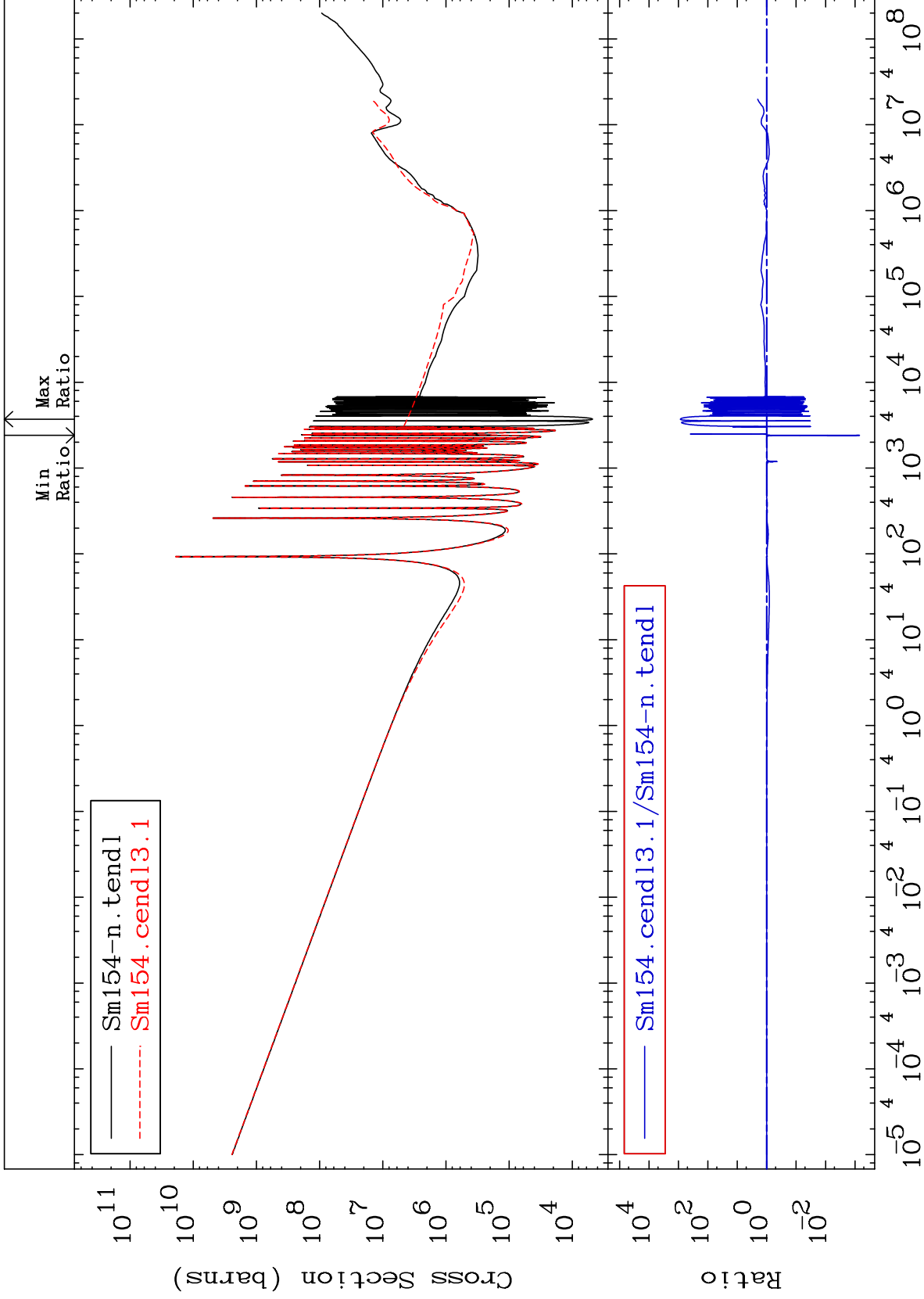
36

Incident Energy (eV)

62-Sm-154

Cross Section

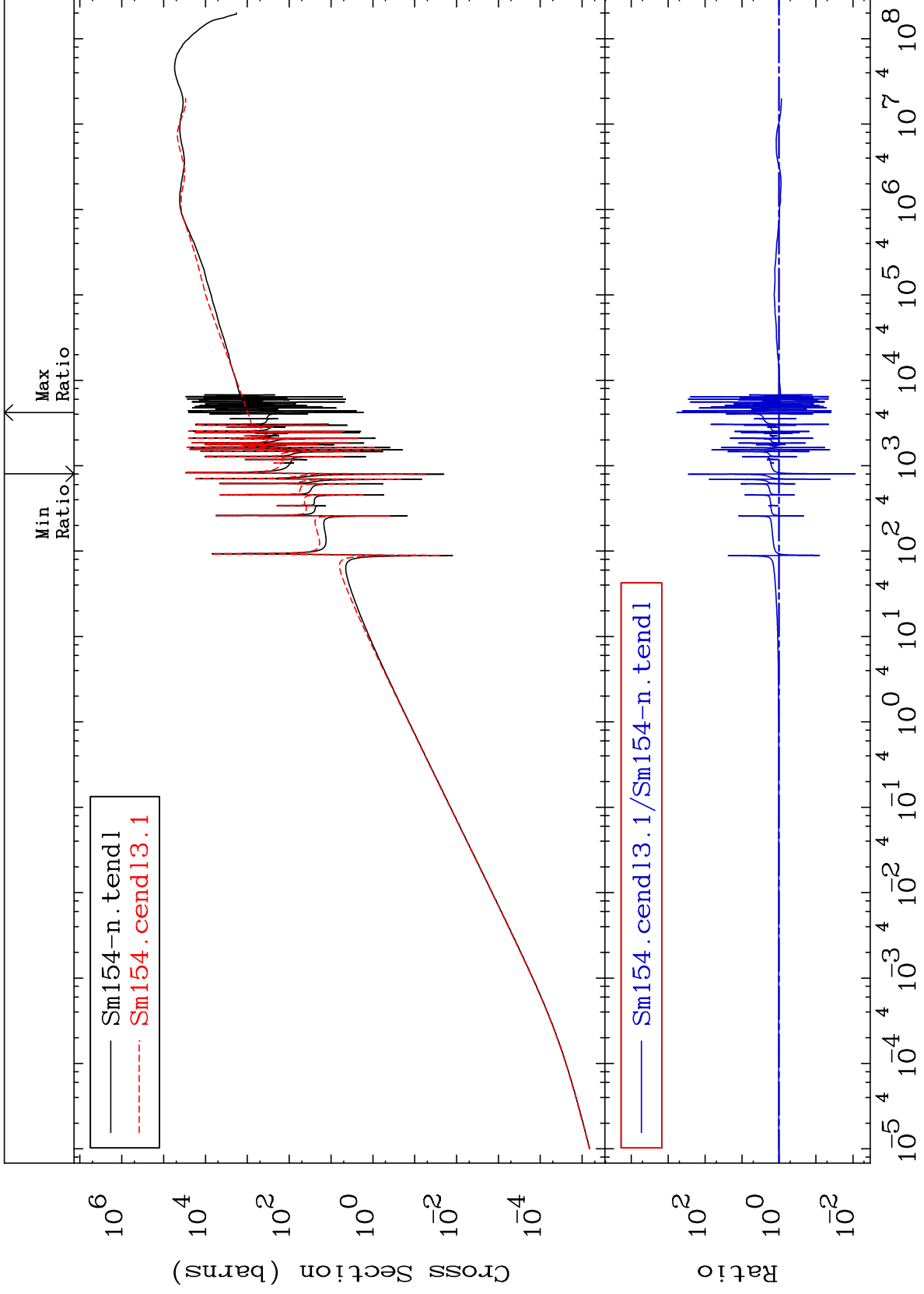
-99.93 To 9999. %

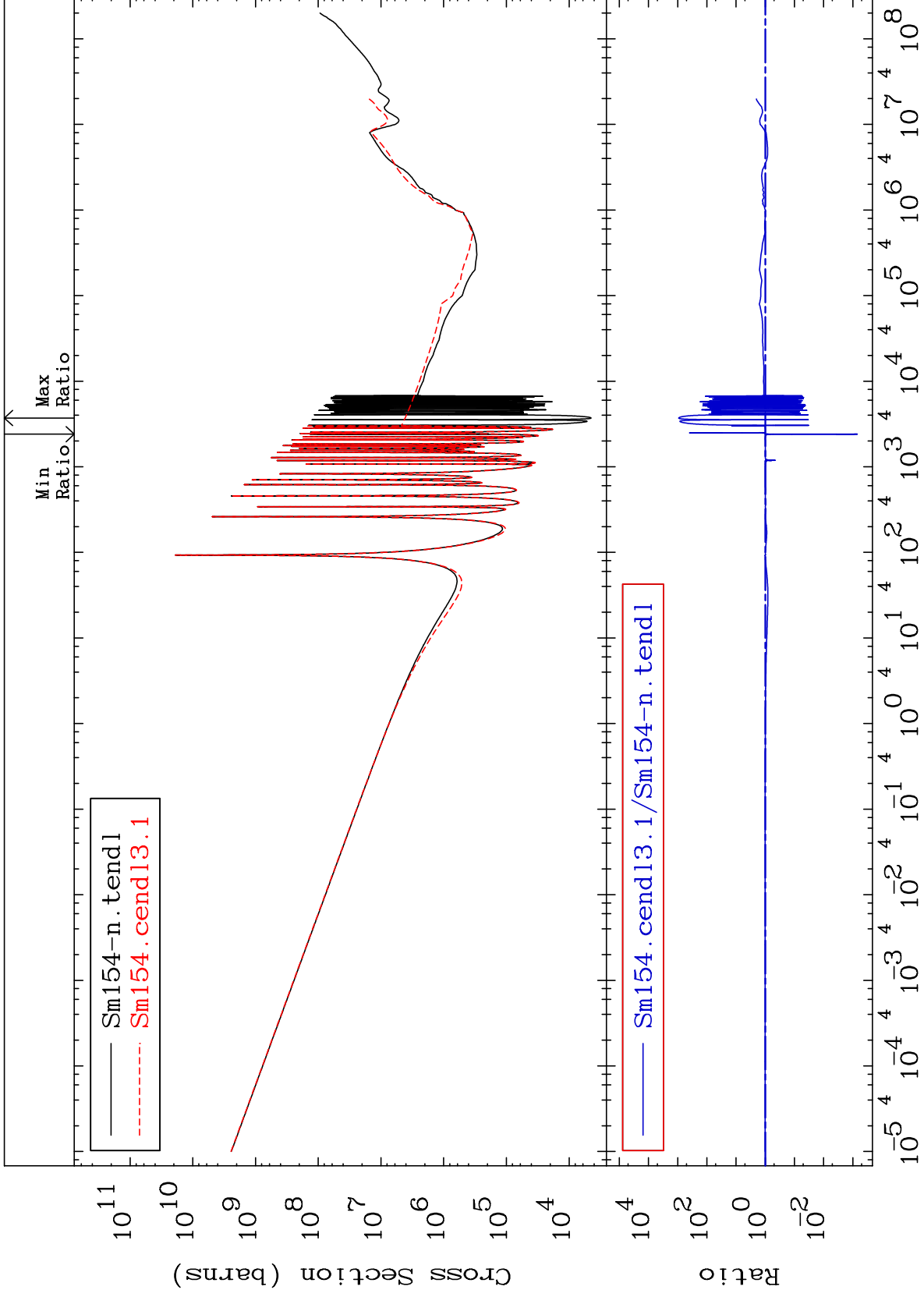


MAT 6255

Kerma elastic
Cross Section

62-Sm-154
-99.13 To 9999. %

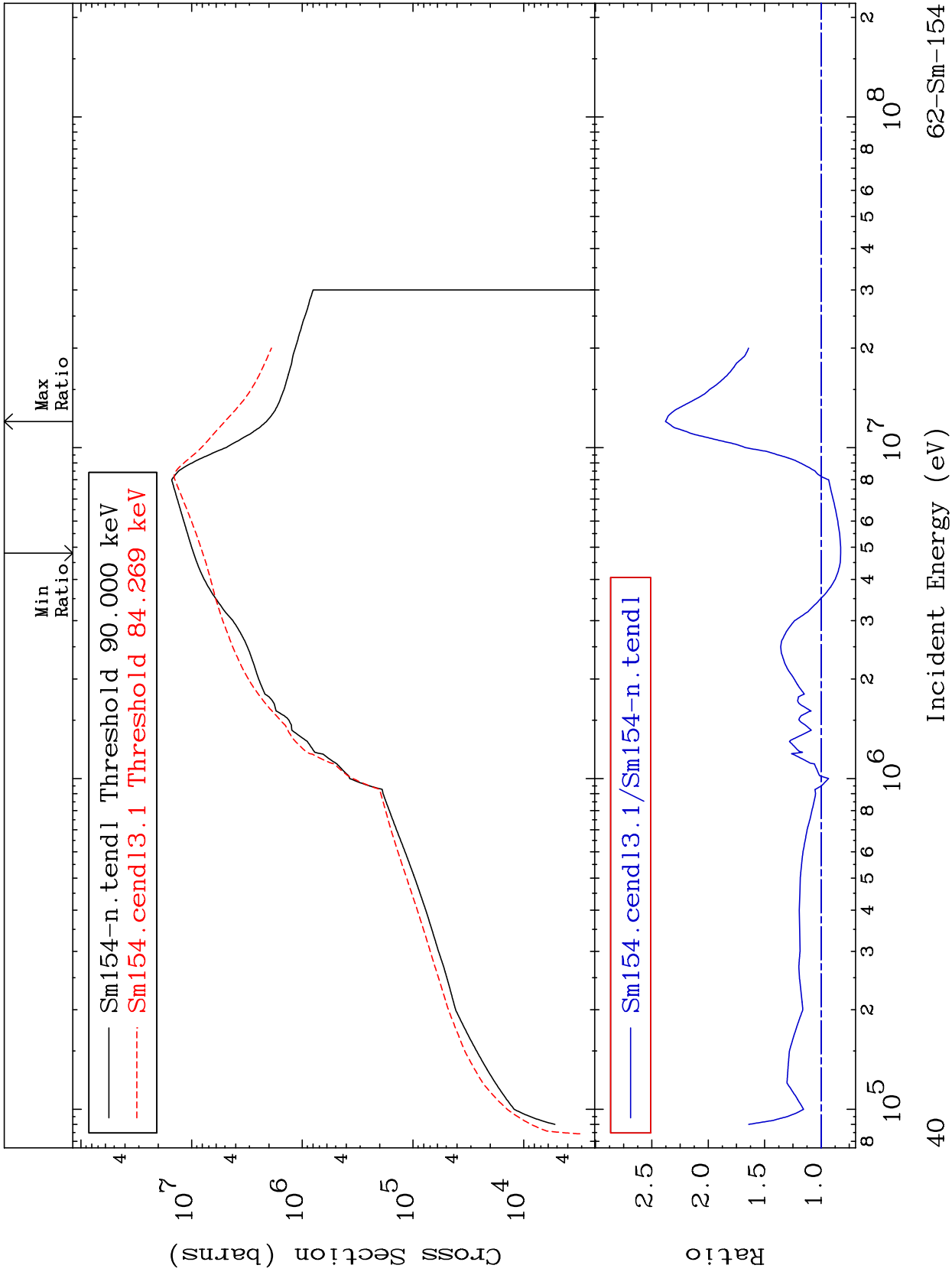




MAT 6255

Kerma inelastic (mt51-91)
Cross Section

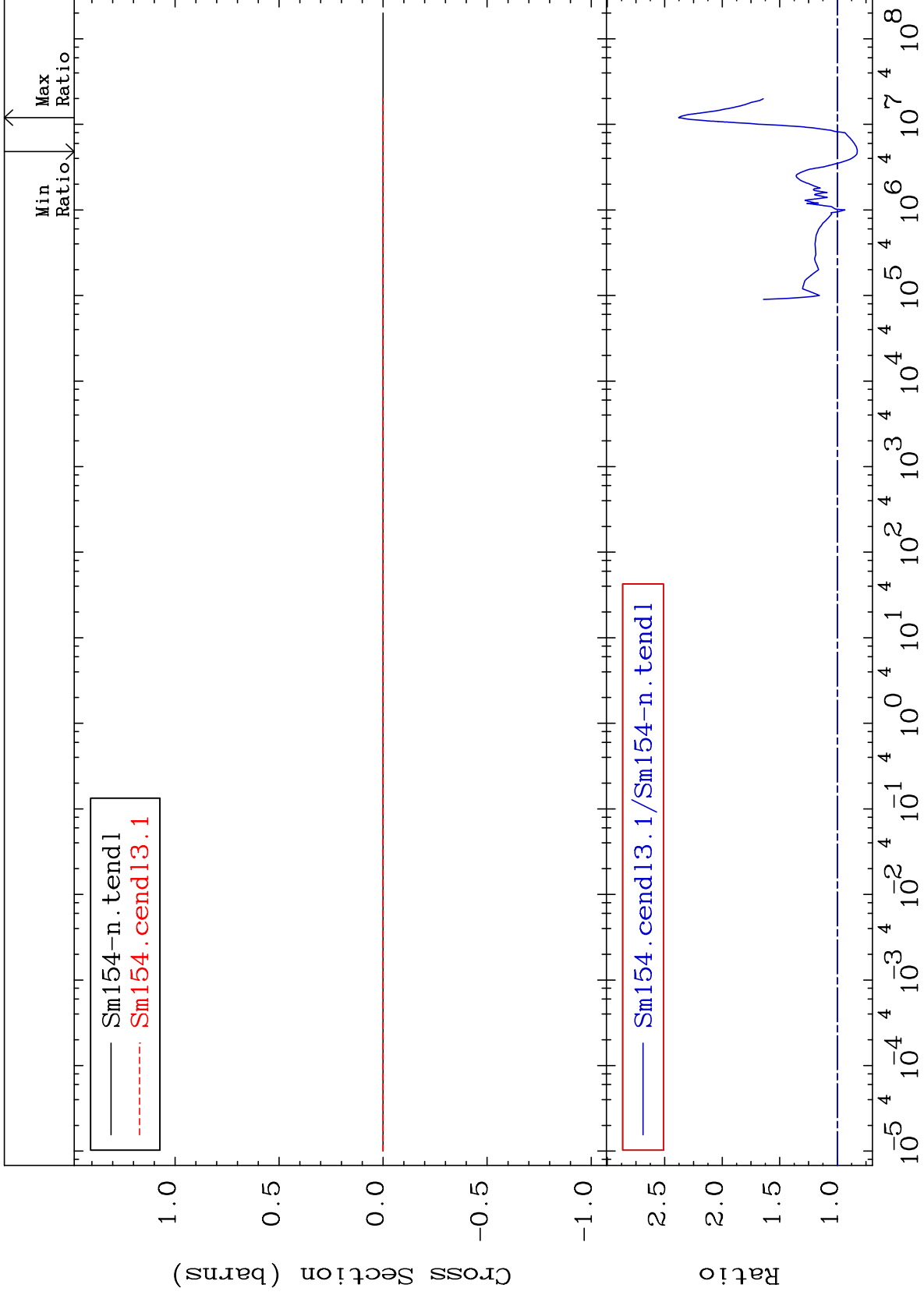
62-Sm-154
-17.34 To 137.9 %



MAT 6255

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

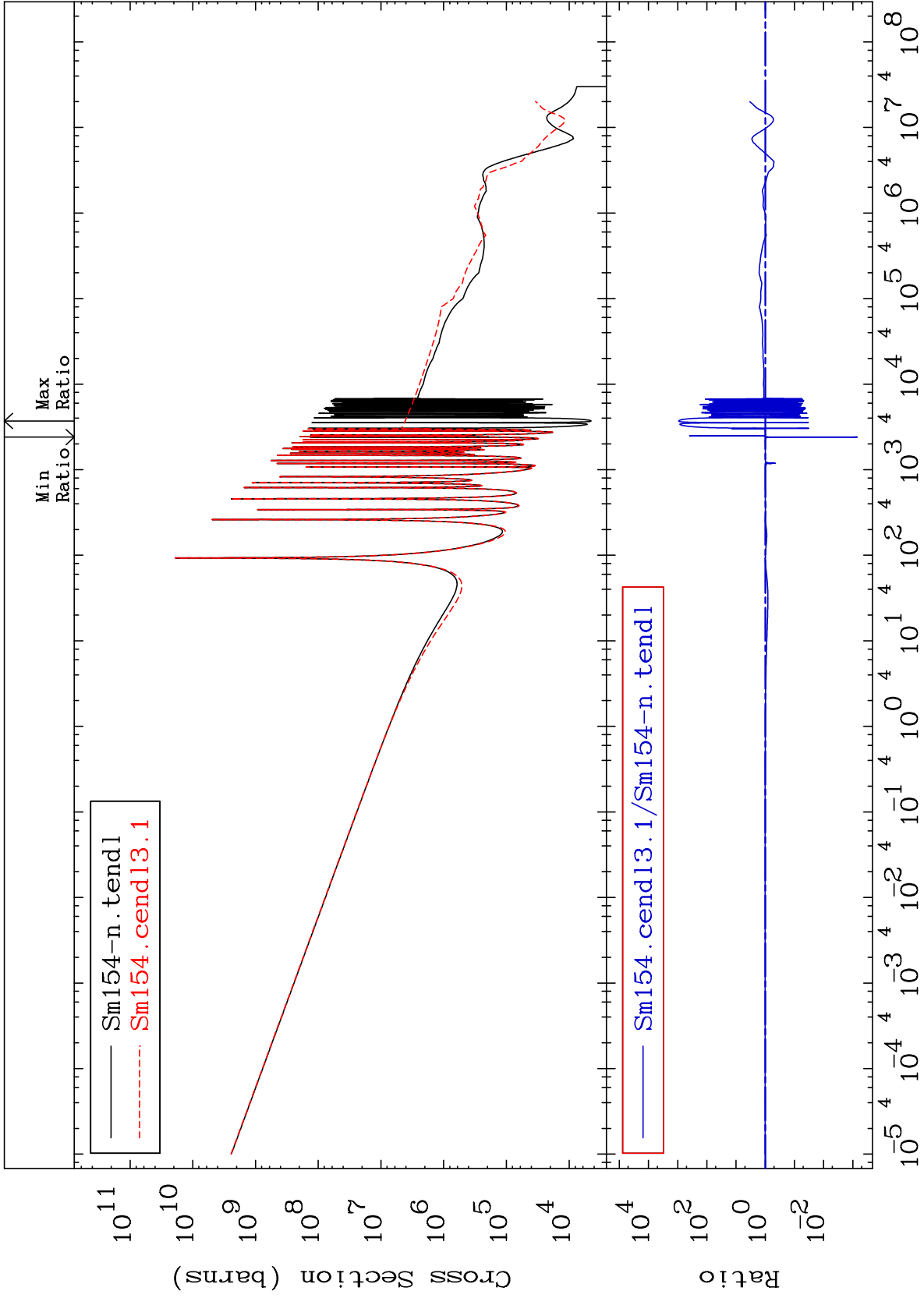
62-Sm-154
-17.34 To 137.9 %

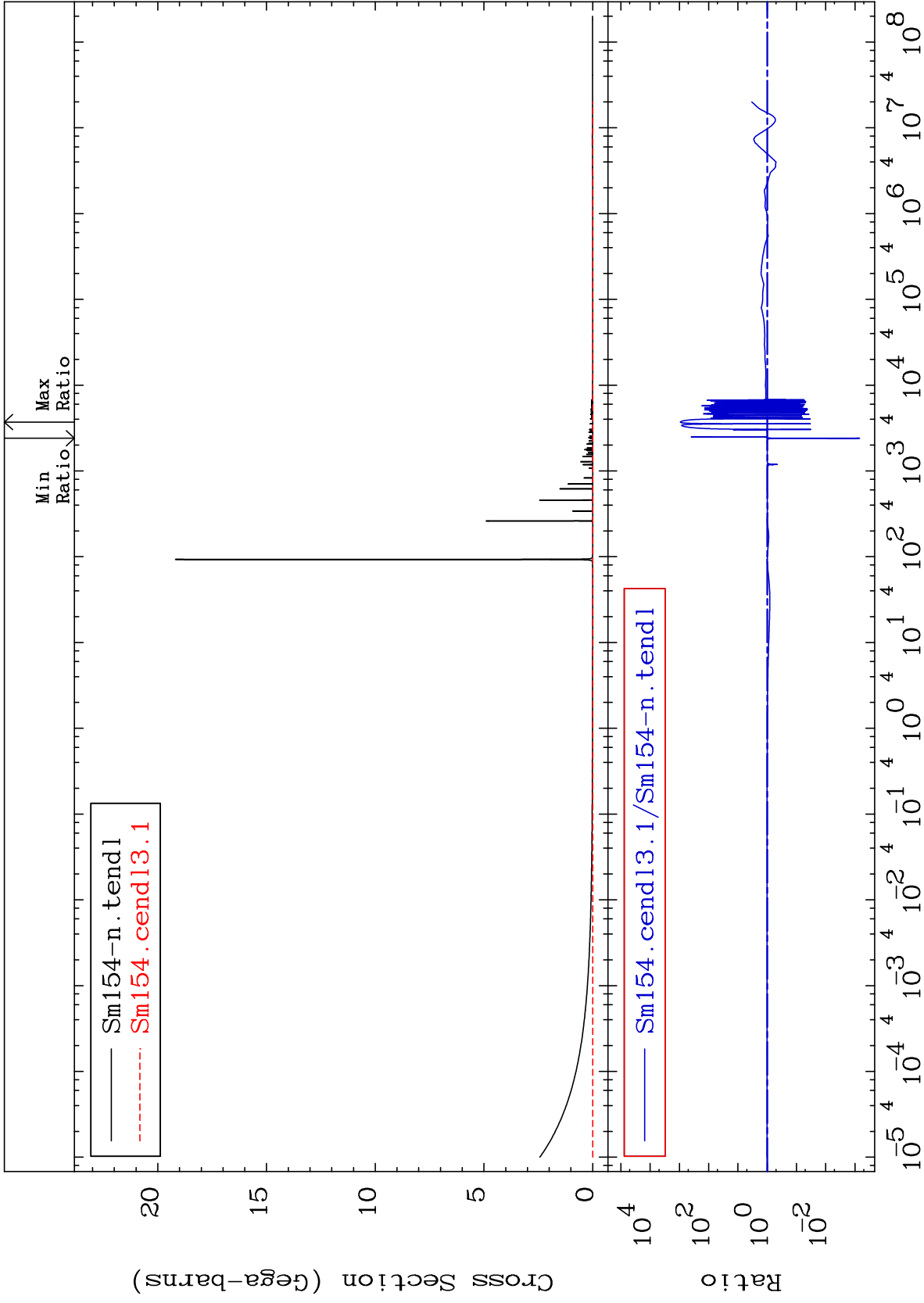


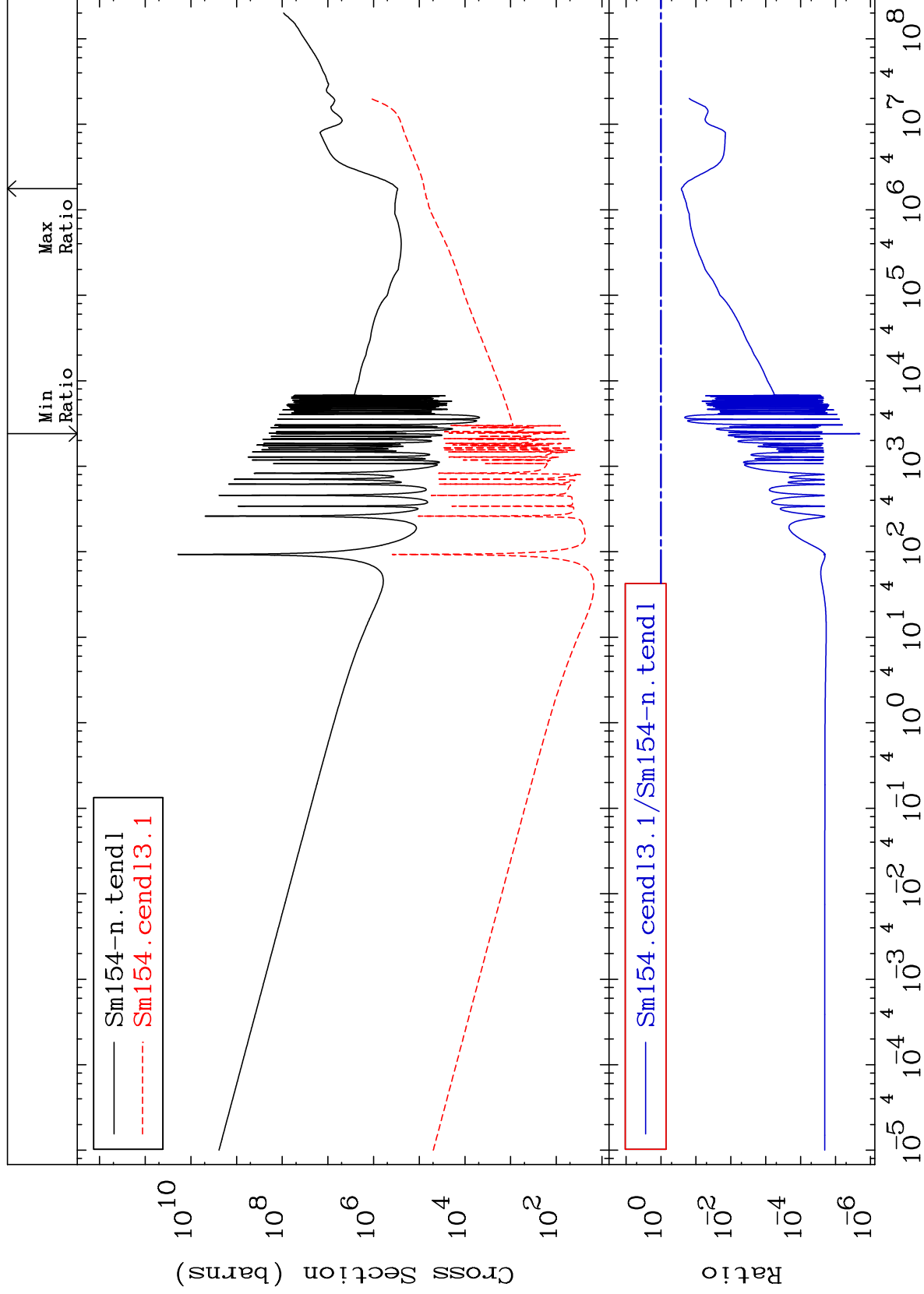
MAT 6255

Kerma capture (mt102)
Cross Section

62-Sm-154
-99.93 To 9999. %



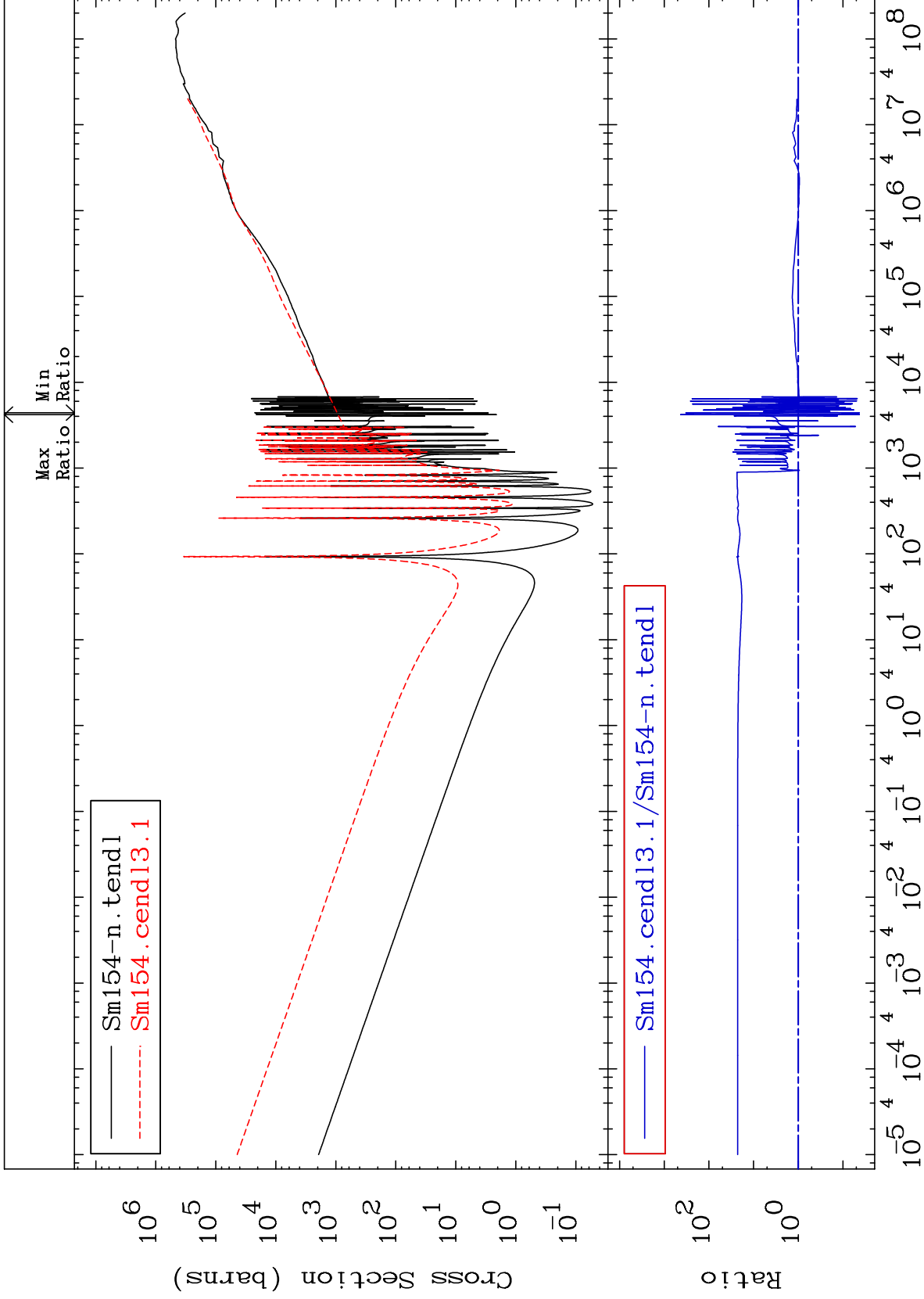




MAT 6255

Dpa total (eV-barns)
Cross Section

62-Sm-154
-95.73 To 9999. %



45

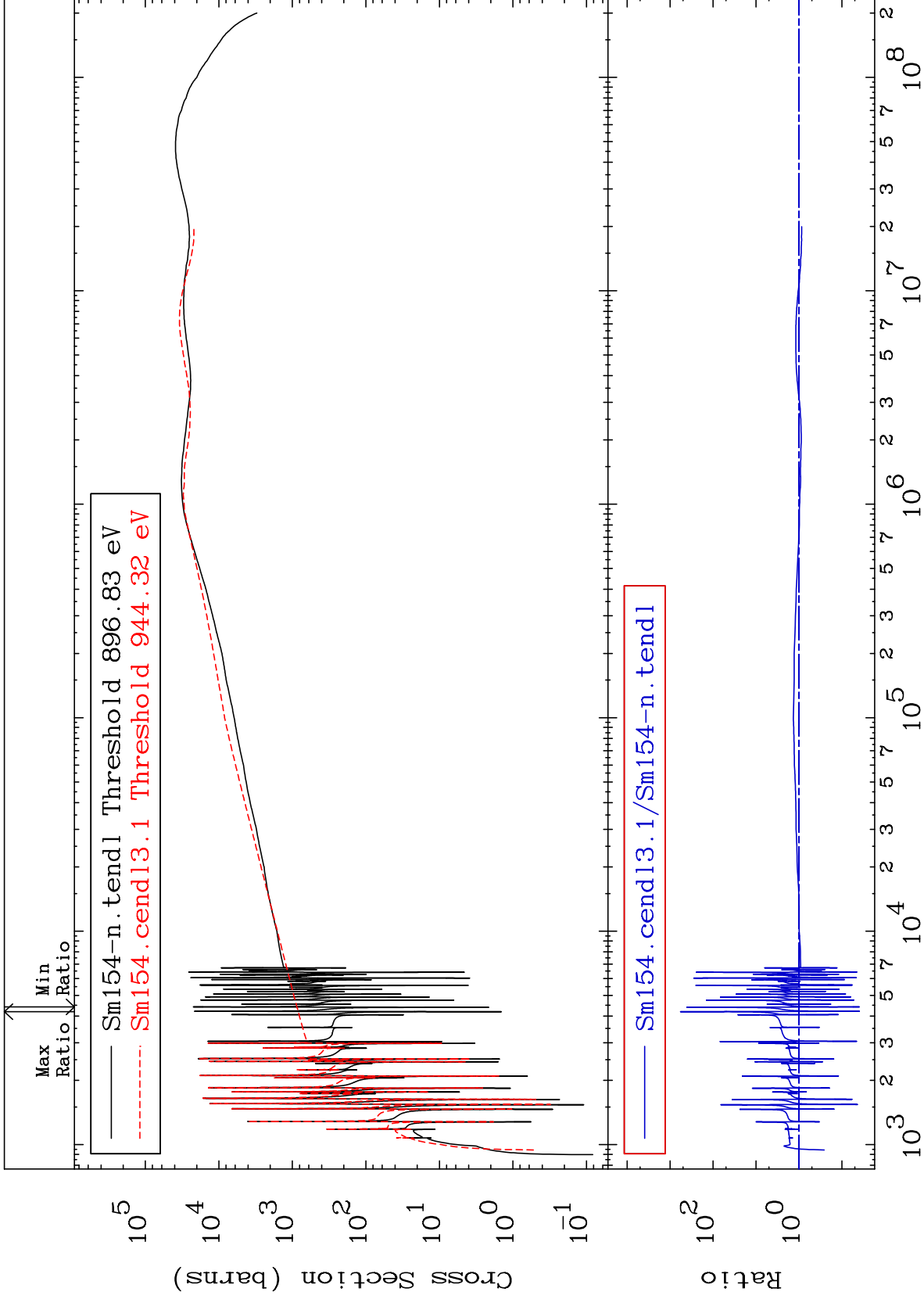
Incident Energy (eV)

62-Sm-154

MAT 6255

Dpa elastic (mt2)
Cross Section

62-Sm-154
-96.10 To 9999. %



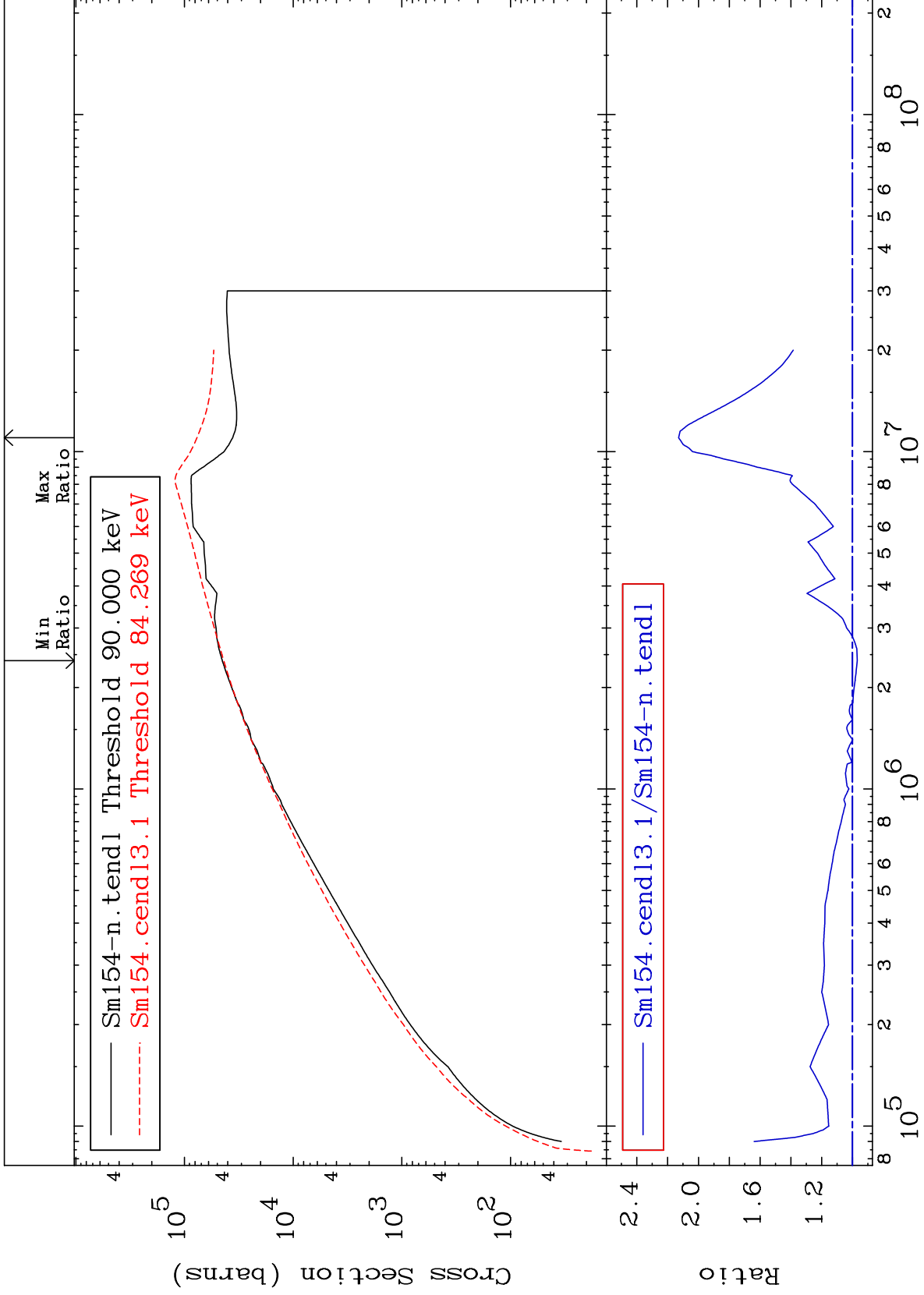
46

62-Sm-154

MAT 6255

Dpa inelastic (mt51-91)
Cross Section

62-Sm-154
-3.067 To 112.9 %



47

Incident Energy (eV)

62-Sm-154

