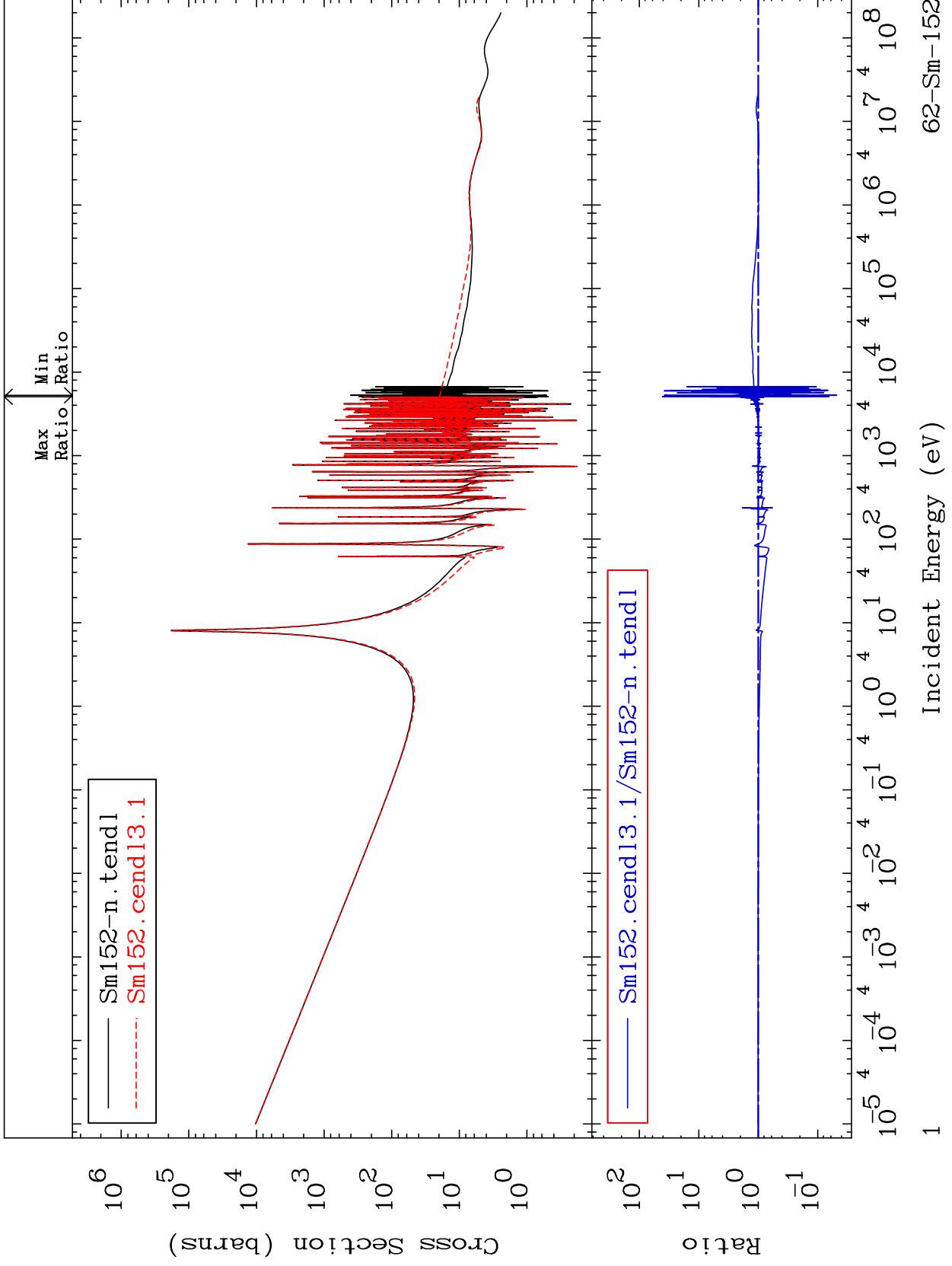


MAT 6249

Total  
Cross Section

62-Sm-152  
-95.19 To 4005. %

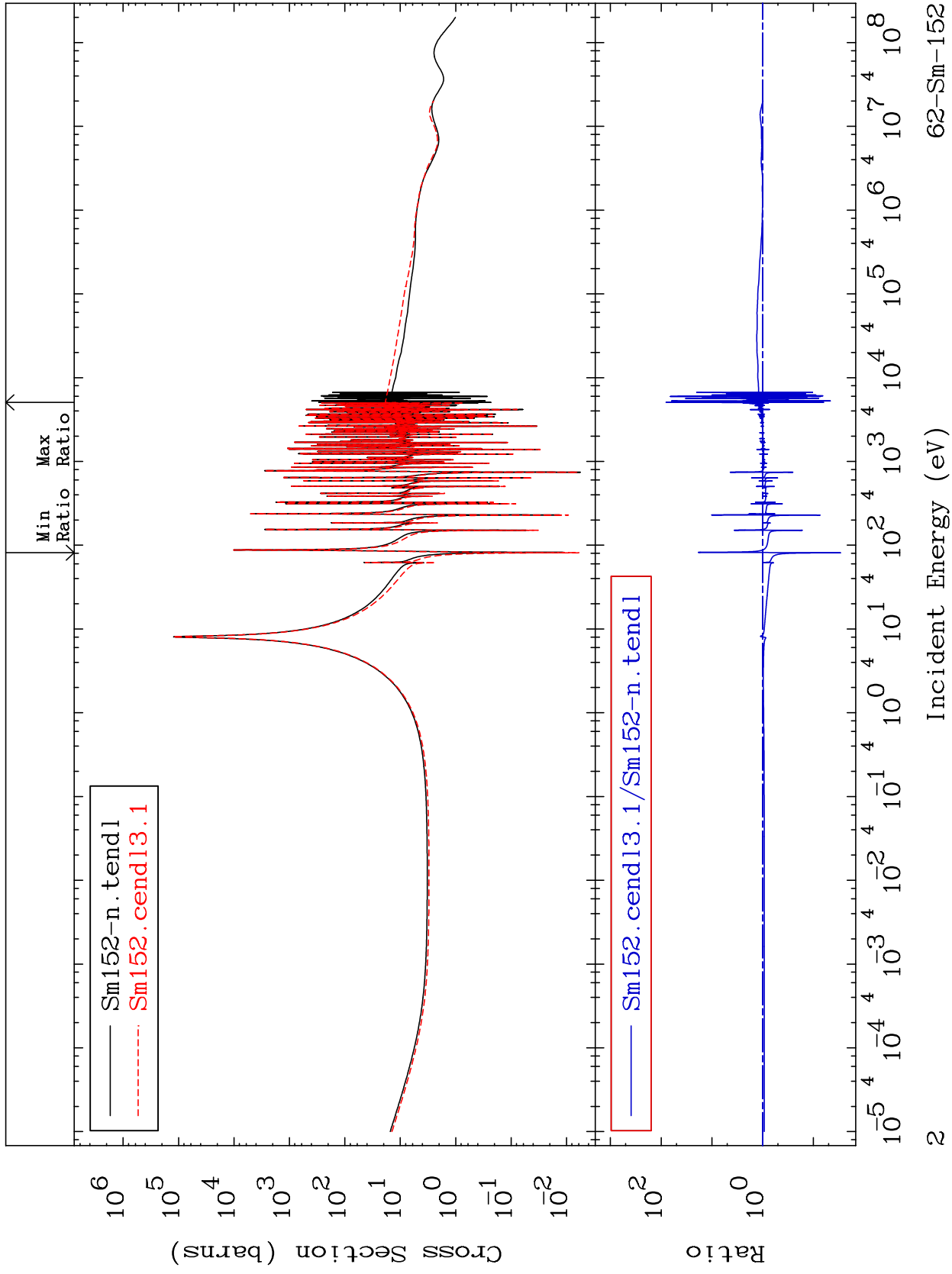


62-Sm-152

MAT 6249

Elastic  
Cross Section

62-Sm-152  
-97.12 To 7940. %



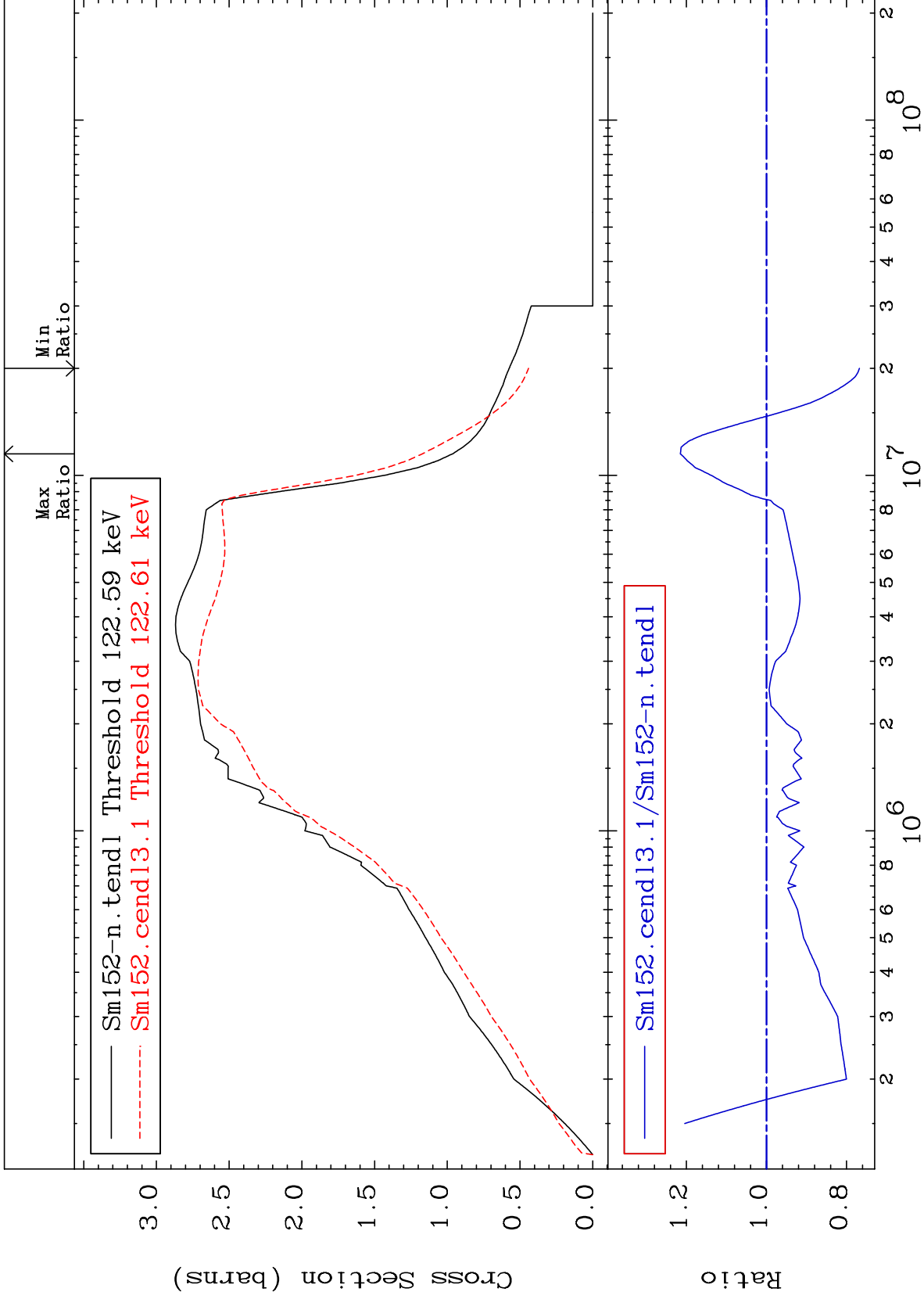
62-Sm-152

Incident Energy (eV)

2

MAT 6249

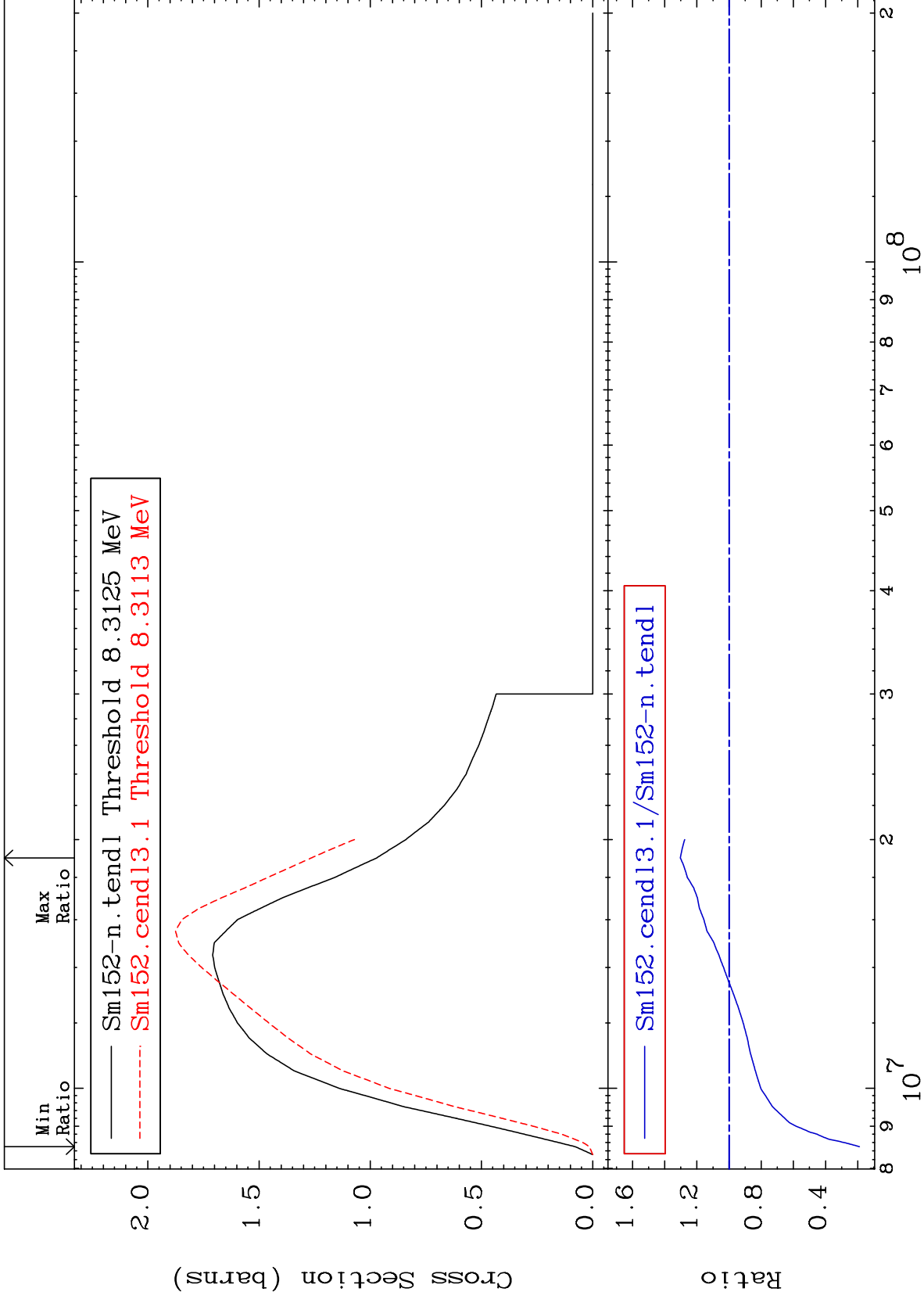
Inelastic Cross Section  
62-Sm-152  
-23.21 To 21.52 %



MAT 6249

(n,2n)  
Cross Section

62-Sm-152  
-81.05 To 30.27 %



4

Incident Energy (eV)

62-Sm-152

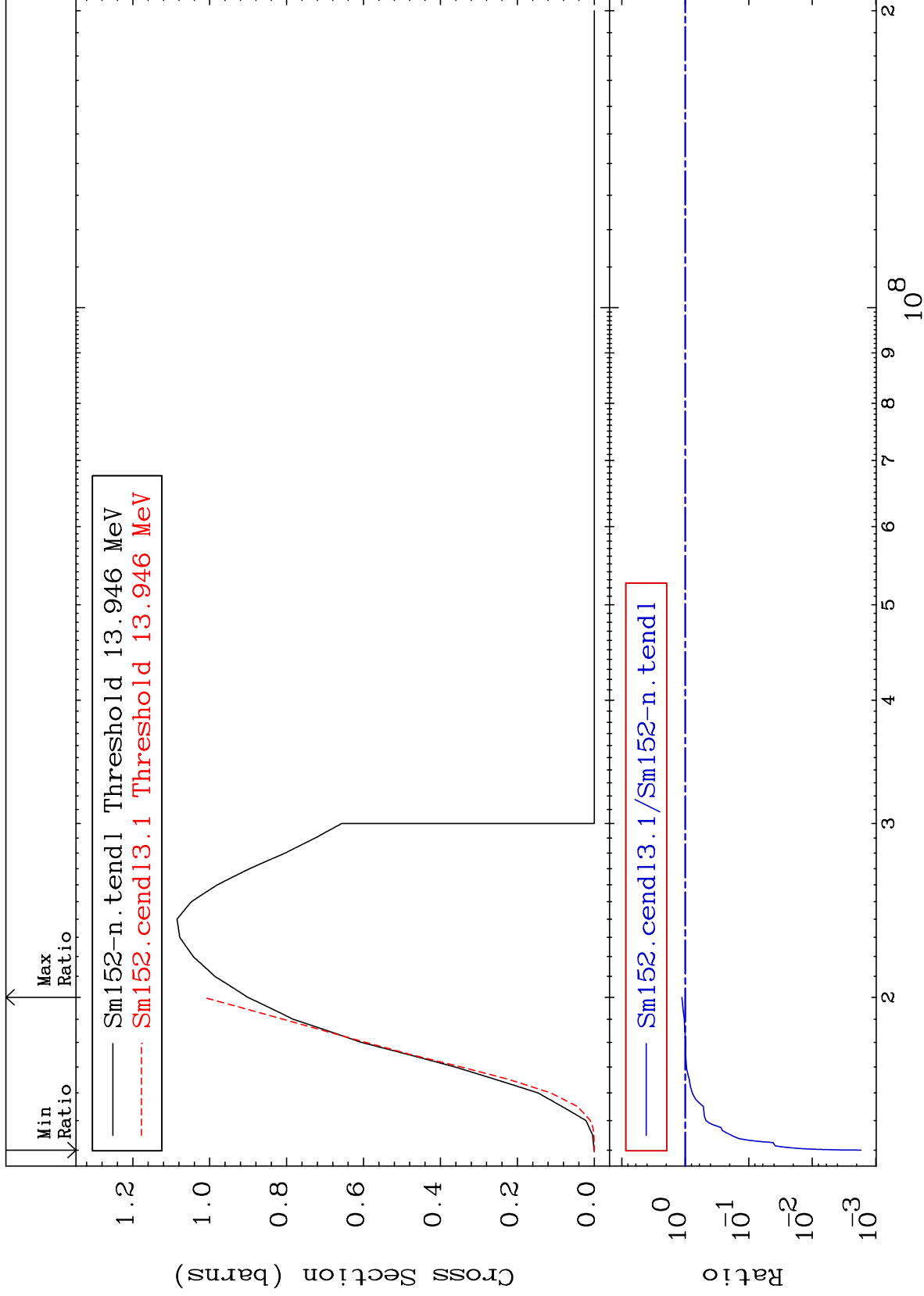
MAT 6249

(n,3n)

62-Sm-152

Cross Section

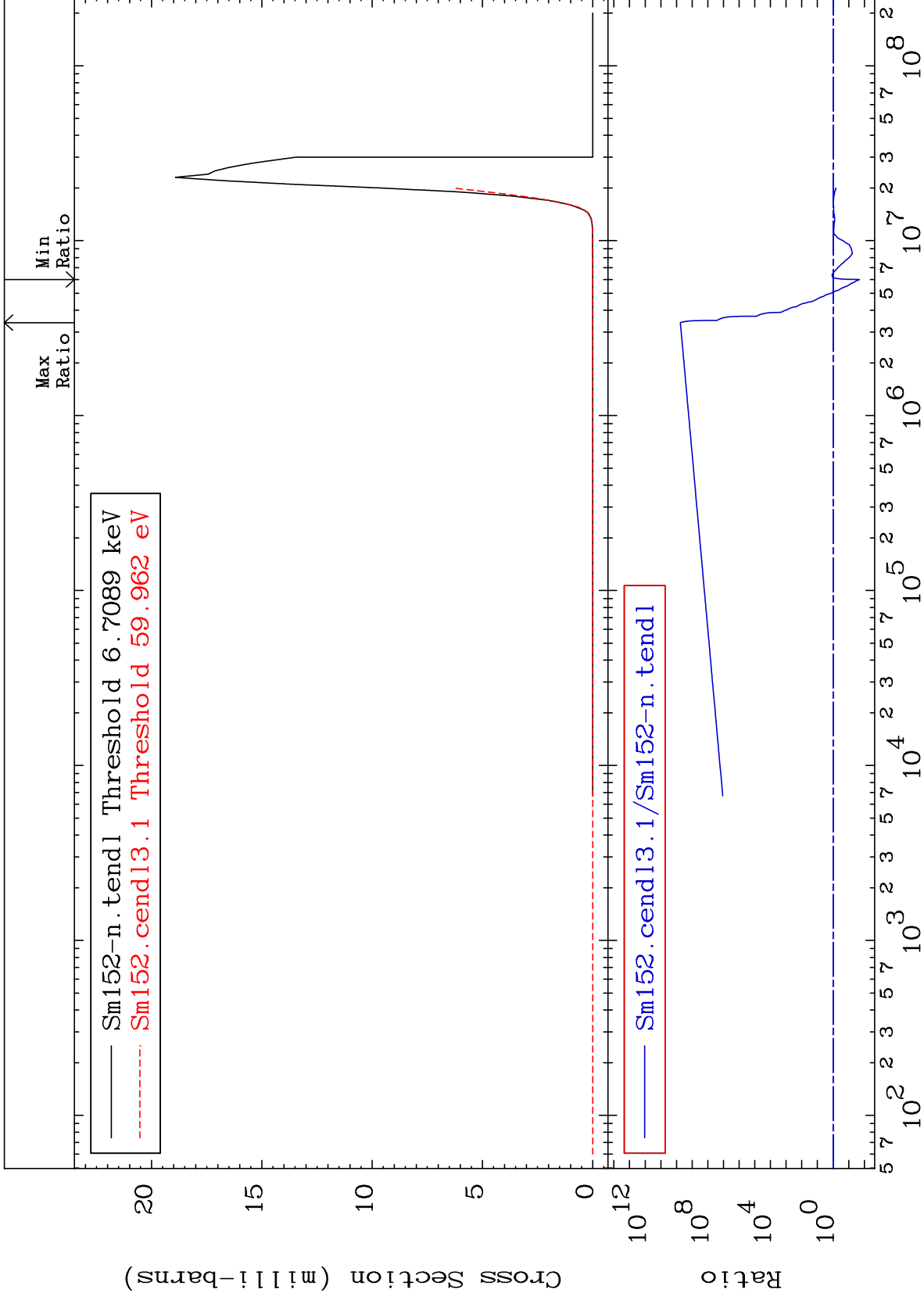
-99.83 To 12.84 %



MAT 6249

$(n, n') \alpha$   
Cross Section

62-Sm-152  
-97.93 To 9999. %



6

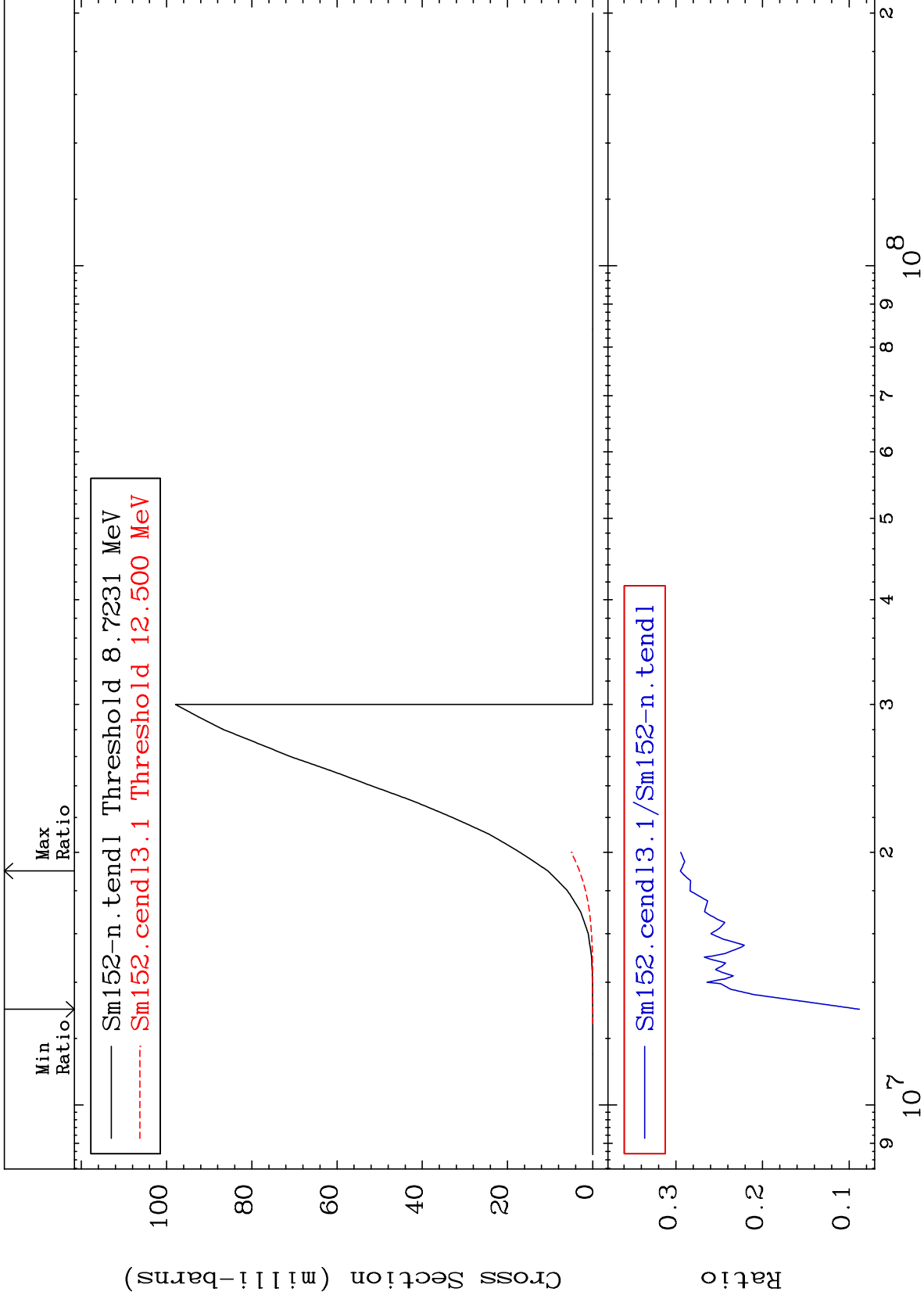
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,n') p  
Cross Section

62-Sm-152  
-91.19 To -70.51%



7

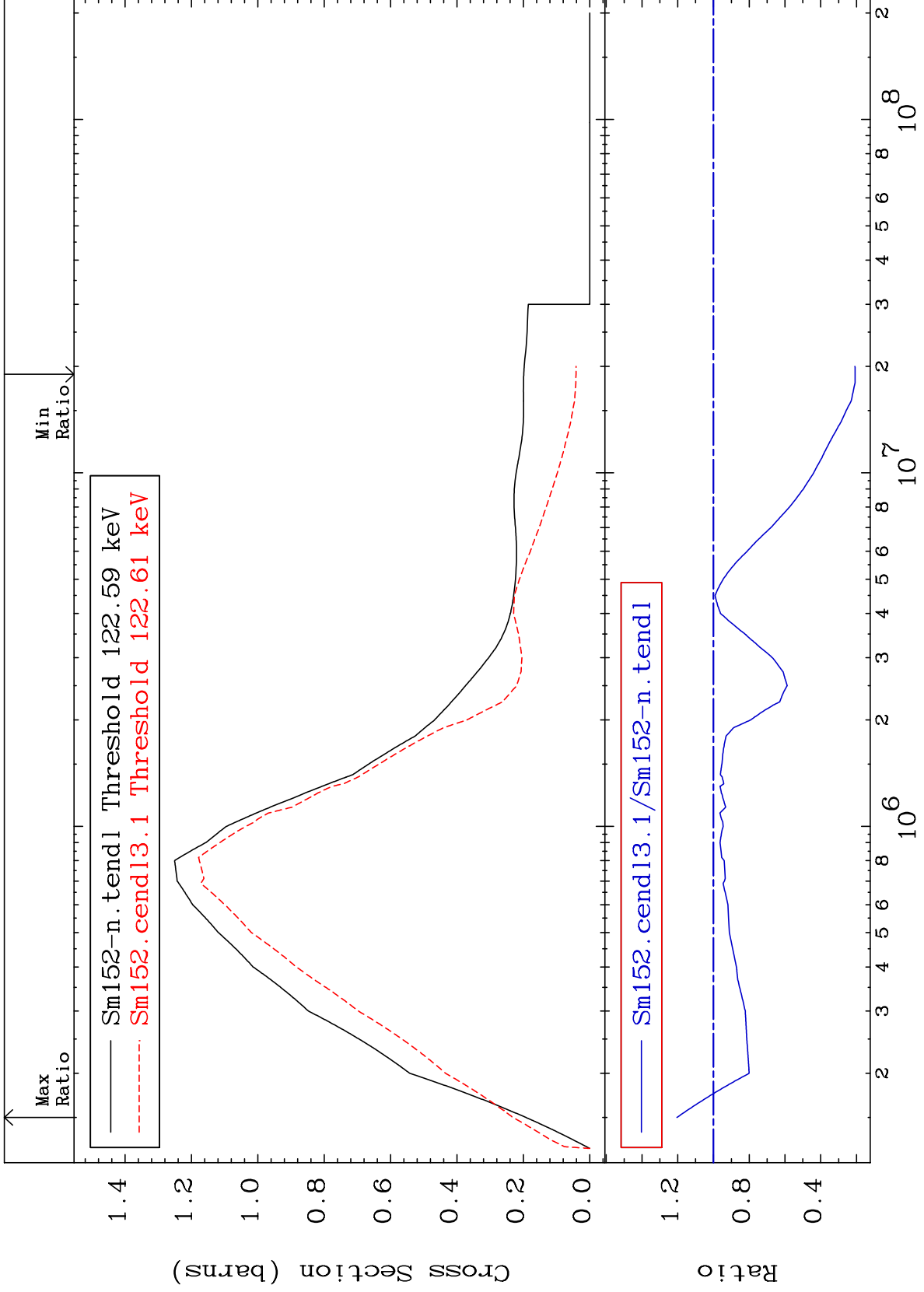
Incident Energy (eV)

62-Sm-152

MAT 6249

121.8 keV (n,n') Level  
Cross Section

62-Sm-152  
-79.21 To 20.45 %

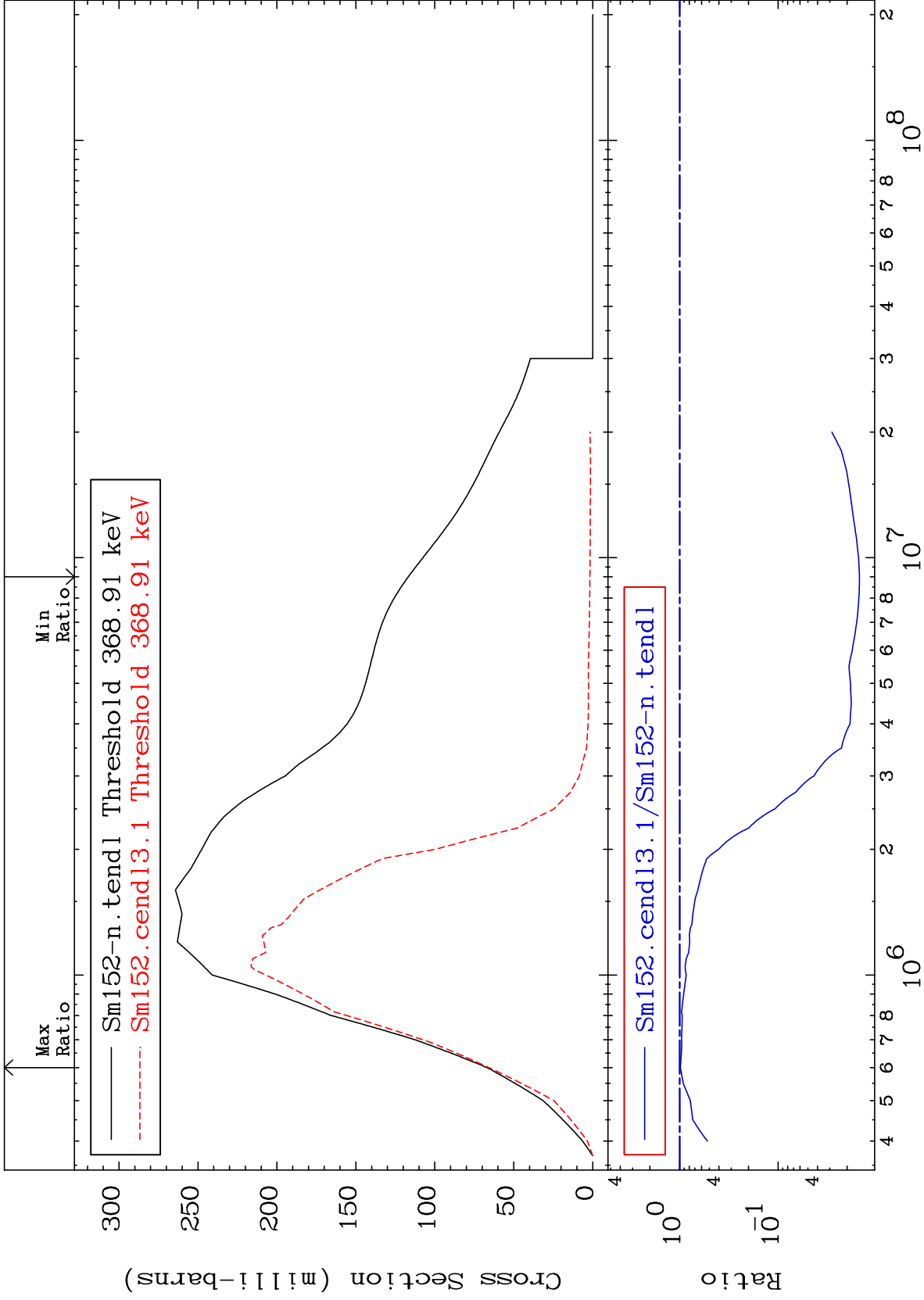




MAT 6249

366.5 keV (n,n') Level  
Cross Section

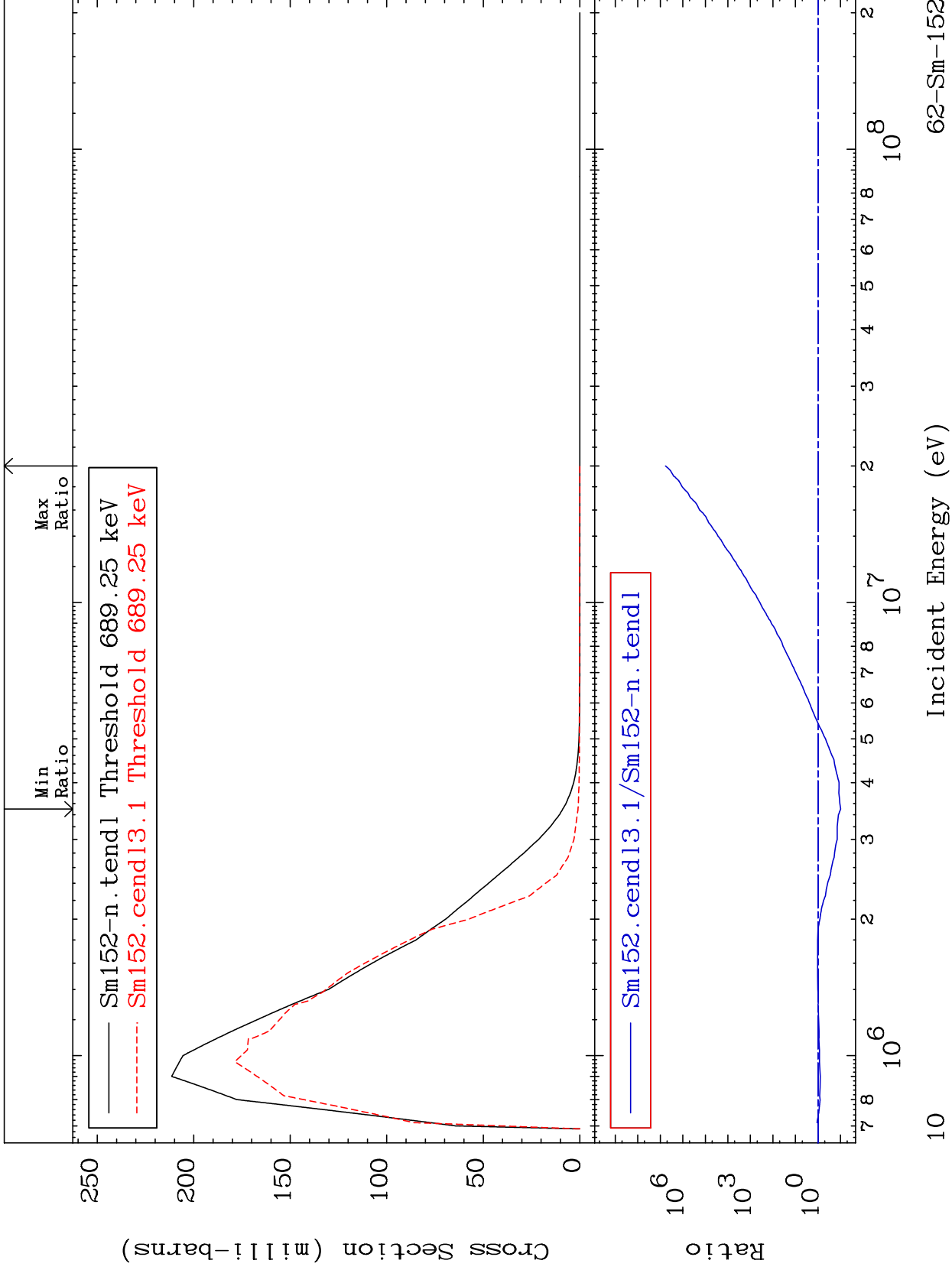
62-Sm-152  
-98.50 To -1.659%



MAT 6249

684.7 keV (n,n') Level  
Cross Section

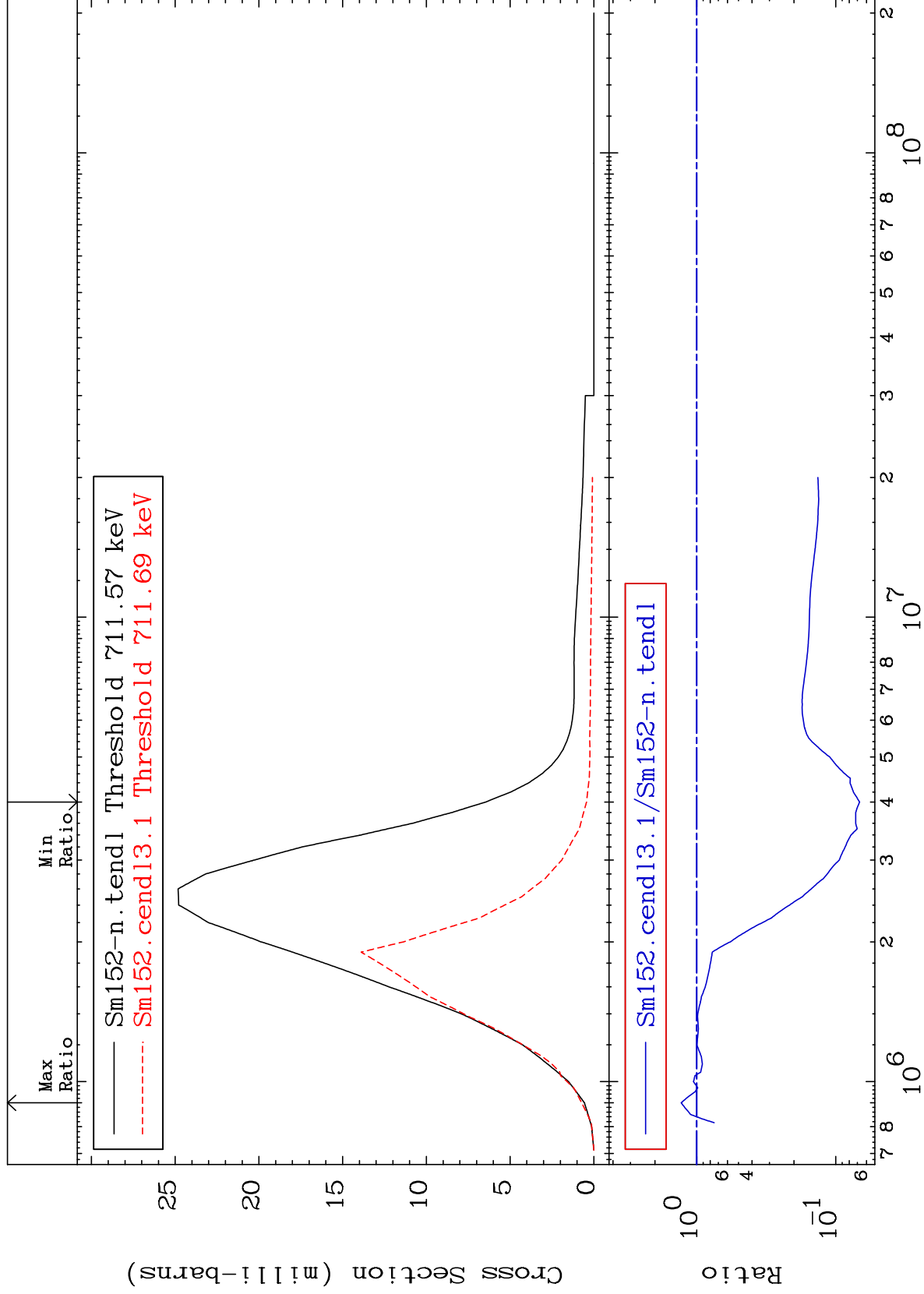
62-Sm-152  
-90.16 To 9999. %



MAT 6249

706.9 keV (n,n') Level  
Cross Section

62-Sm-152  
-93.27 To 29.33 %



11

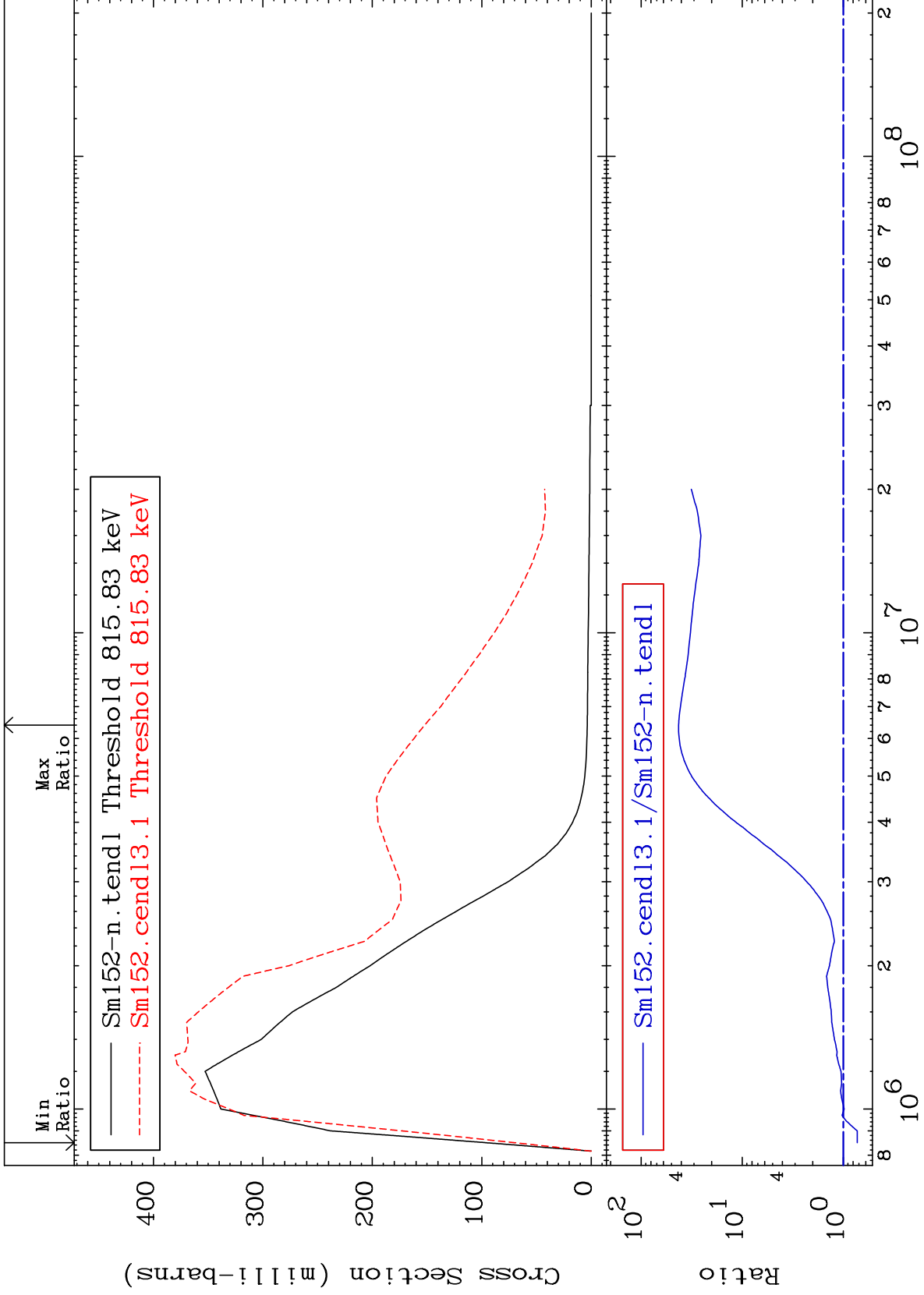
Incident Energy (eV)

62-Sm-152

MAT 6249

810.5 keV (n,n') Level  
Cross Section

62-Sm-152  
-27.28 To 4151. %



12

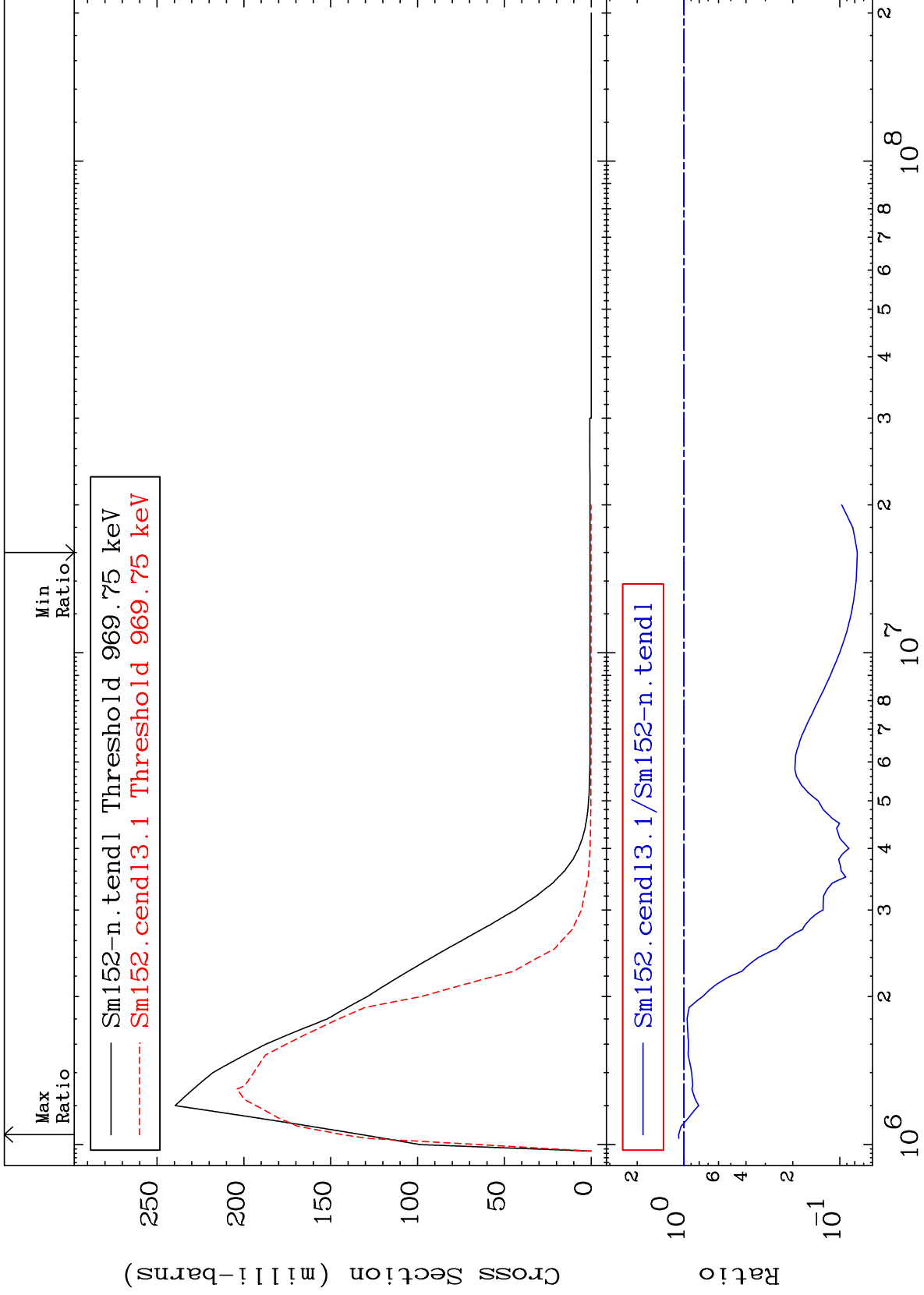
Incident Energy (eV)

62-Sm-152

MAT 6249

963.4 keV (n,n') Level  
Cross Section

62-Sm-152  
-92.29 To 8.303 %



13

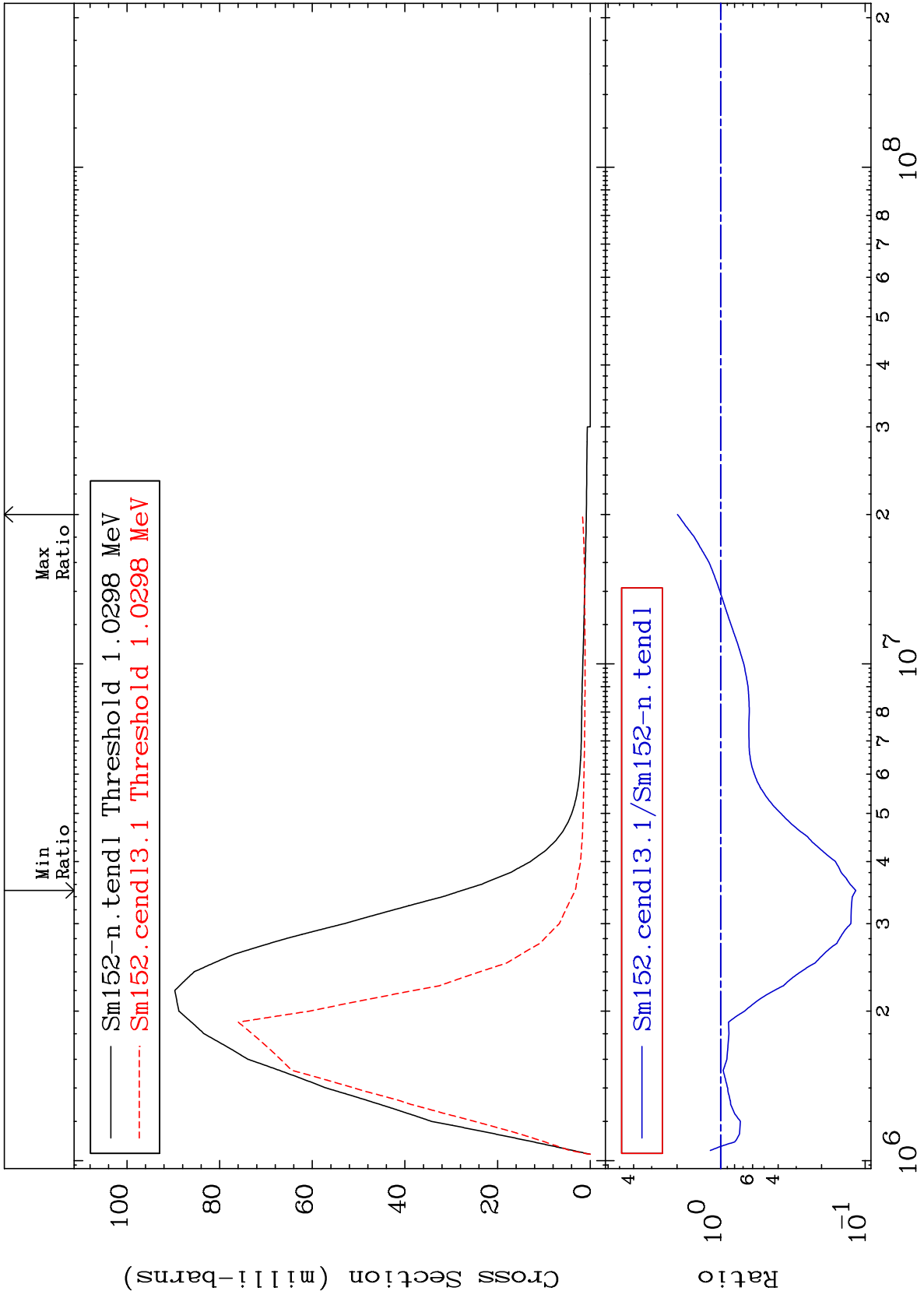
Incident Energy (eV)

62-Sm-152

MAT 6249

1.023 MeV (n,n') Level  
Cross Section

62-Sm-152  
-88.41 To 98.79 %



14

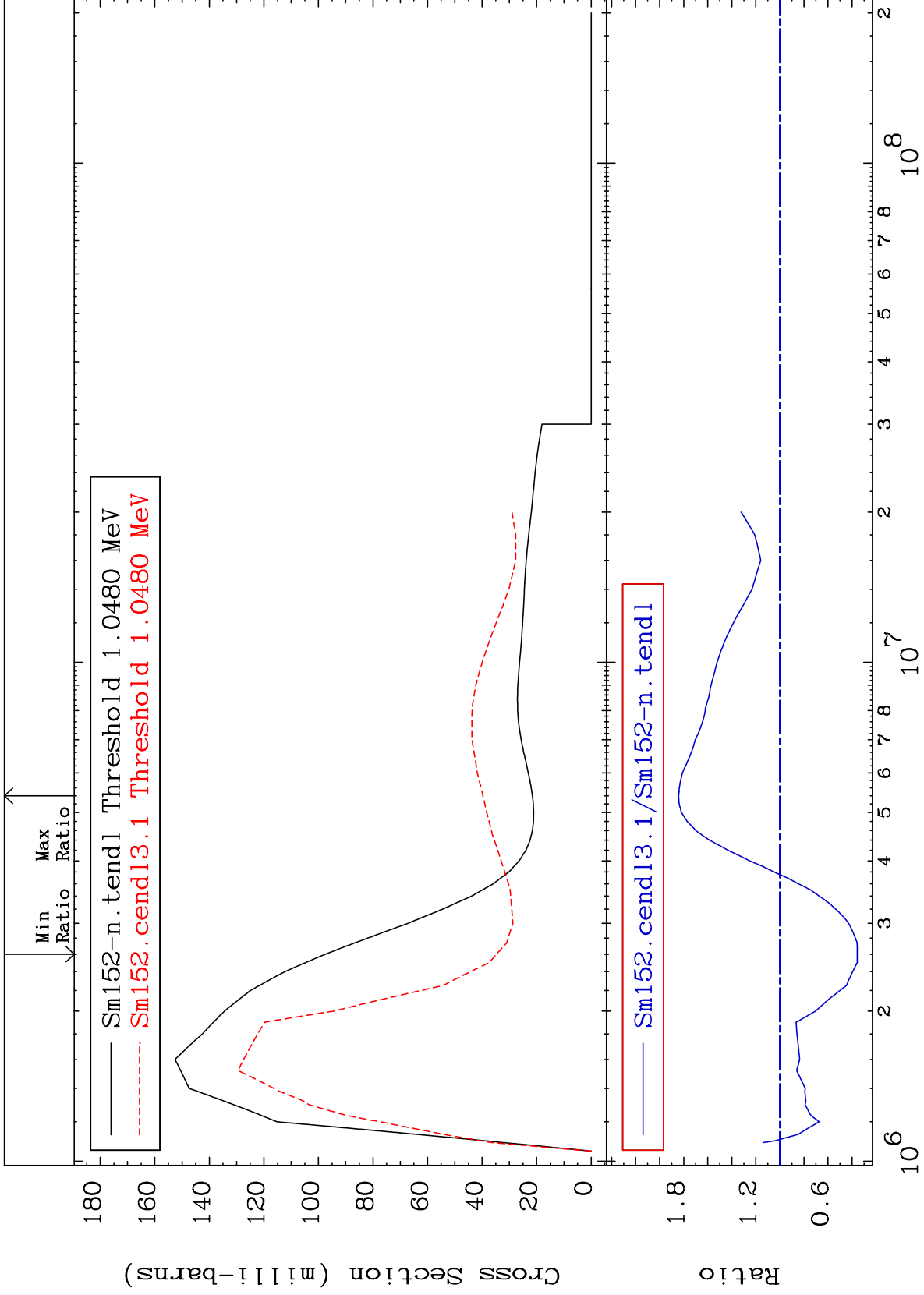
Incident Energy (eV)

62-Sm-152

MAT 6249

1.041 MeV (n,n') Level  
Cross Section

62-Sm-152  
-64.38 To 84.21 %



15

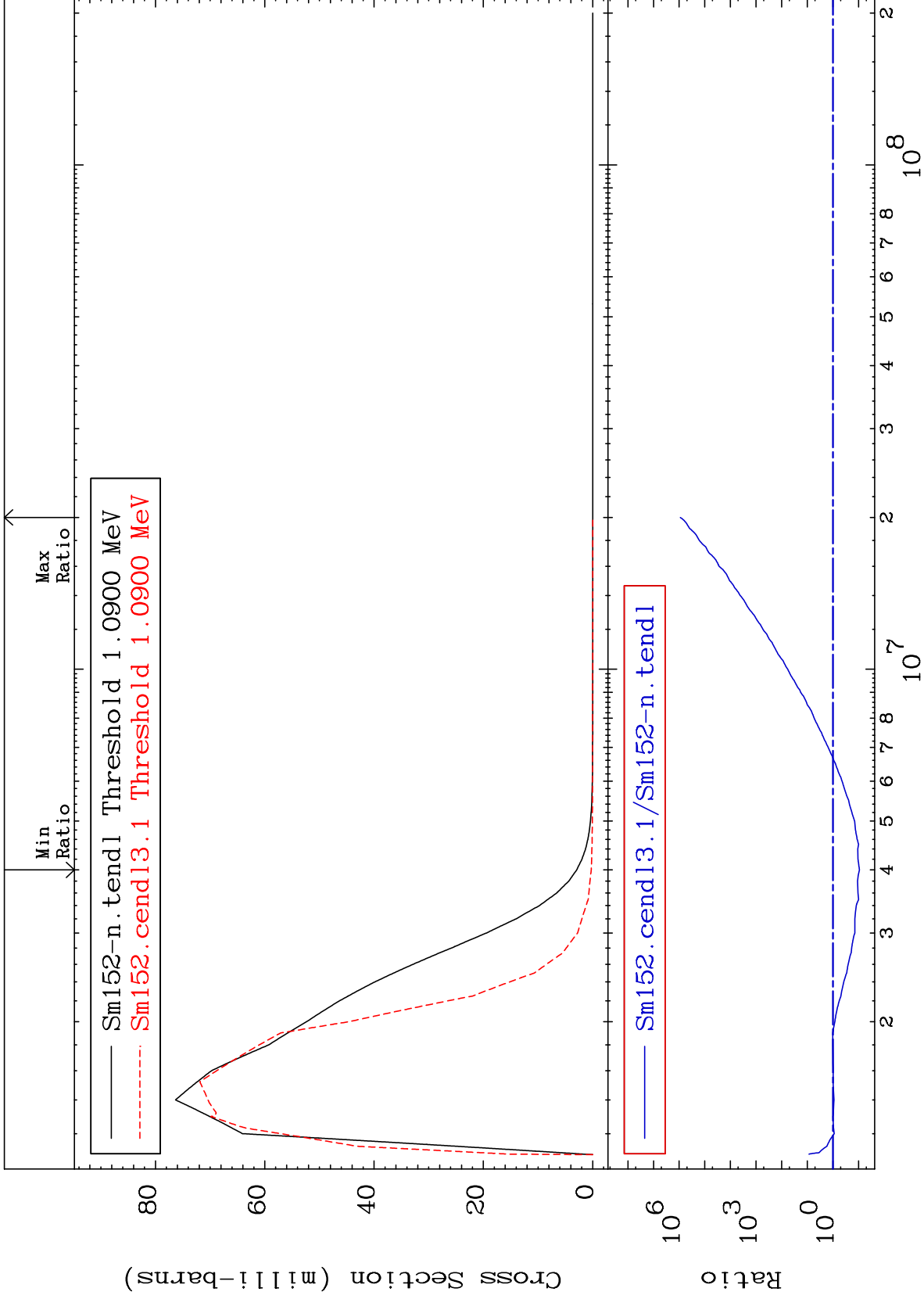
Incident Energy (eV)

62-Sm-152

MAT 6249

1.083 MeV (n,n') Level  
Cross Section

62-Sm-152  
-90.68 To 9999. %



16

Incident Energy (eV)

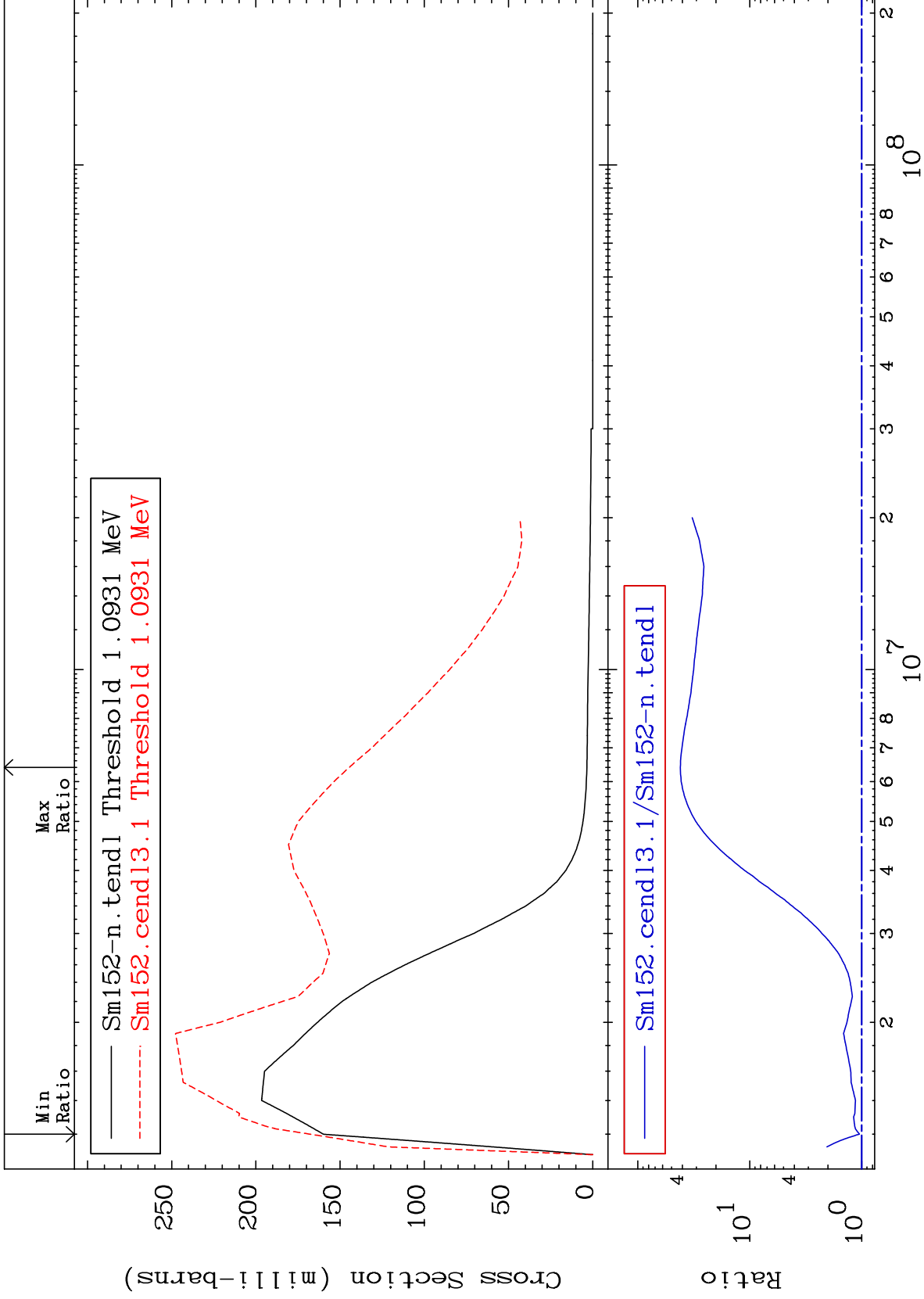
62-Sm-152



MAT 6249

1.086 MeV (n,n') Level  
Cross Section

62-Sm-152  
4.813 To 4069. %



17

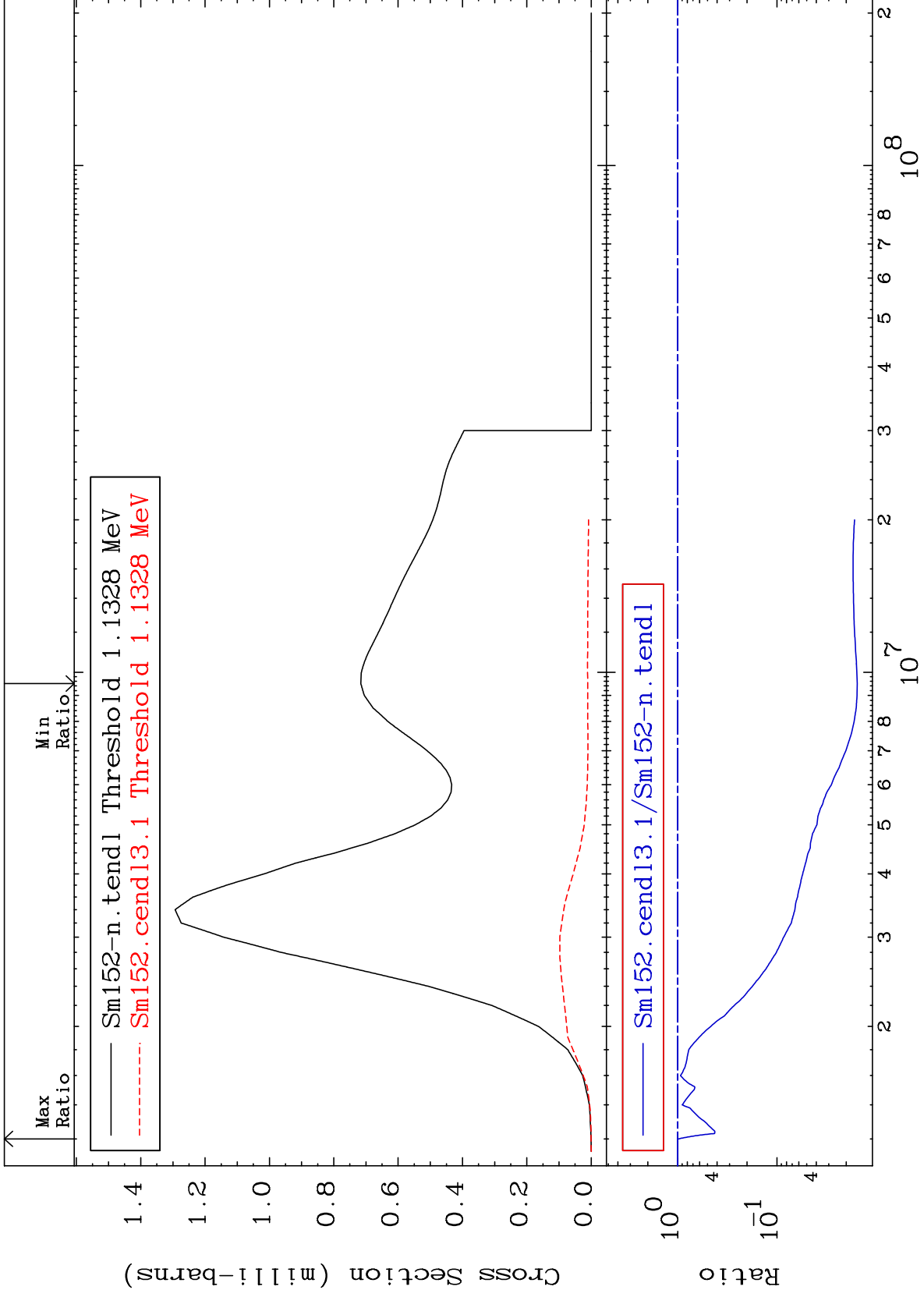
Incident Energy (eV)

62-Sm-152

MAT 6249

1.125 MeV (n,n') Level  
Cross Section

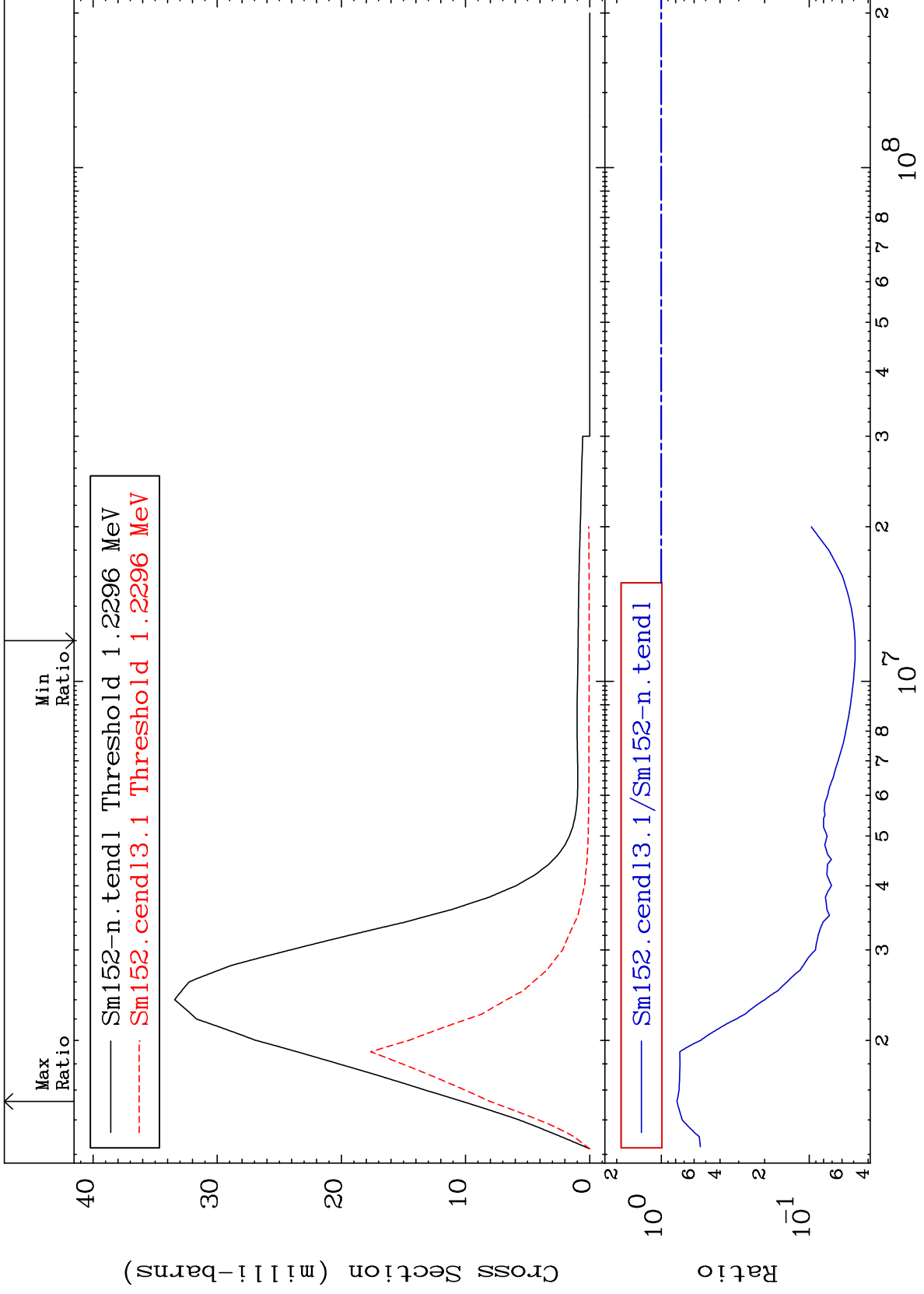
62-Sm-152  
-98.45 To -2.251%



MAT 6249

1.221 MeV (n,n') Level  
Cross Section

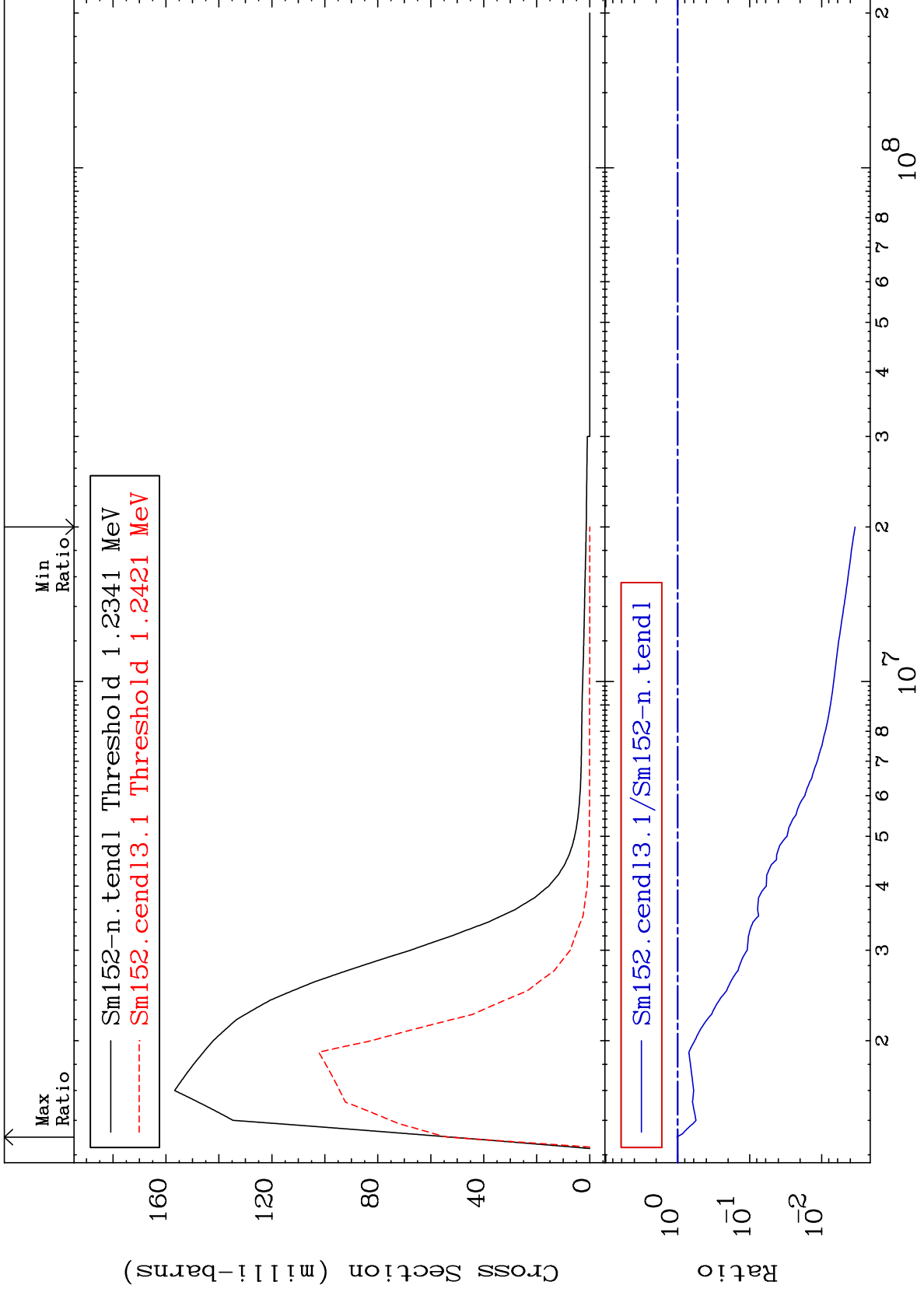
62-Sm-152  
-95.11 To -21.65%



MAT 6249

1.226 MeV (n,n') Level  
Cross Section

62-Sm-152  
-99.66 To 2.683 %



20

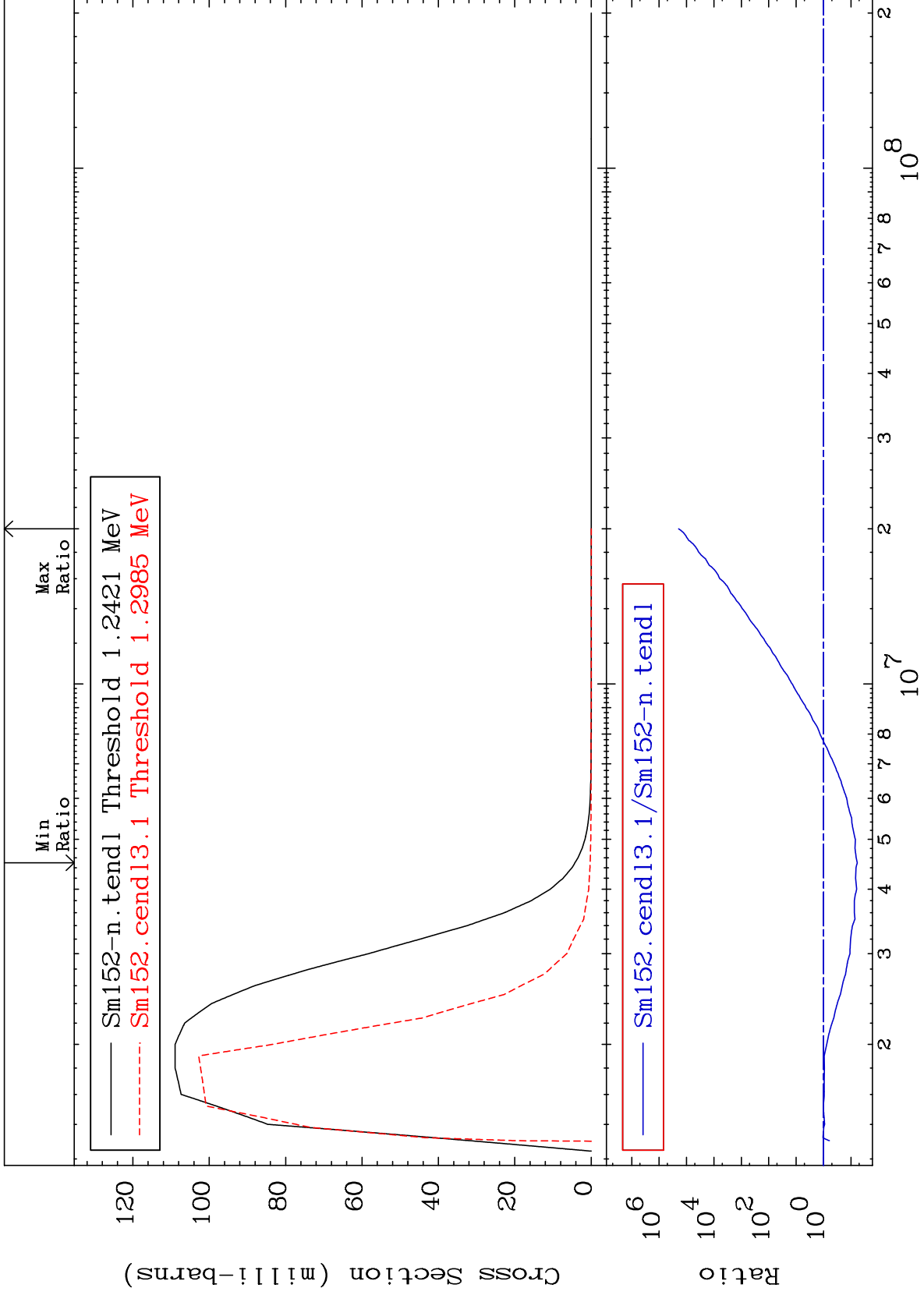
Incident Energy (eV)

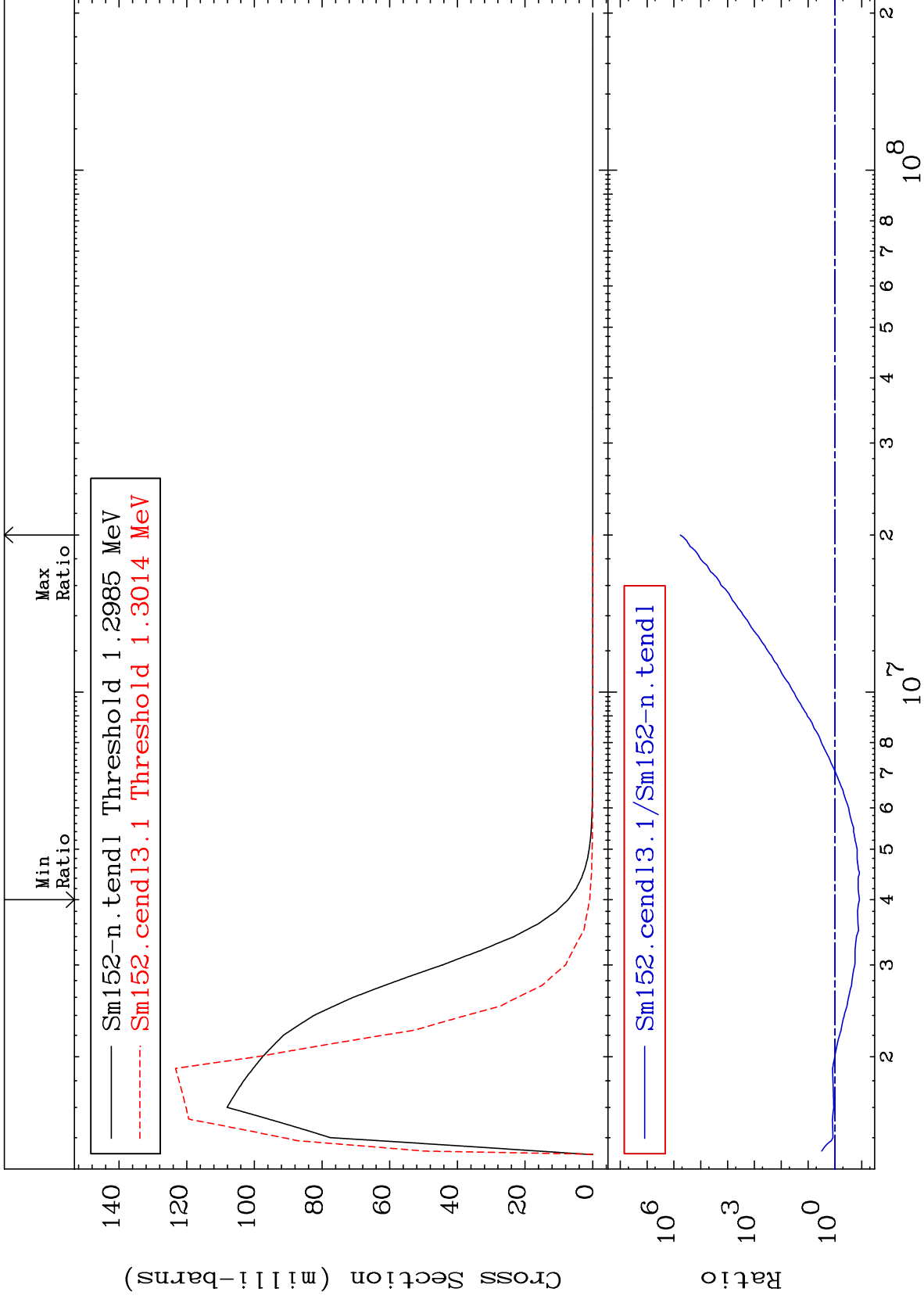
62-Sm-152

MAT 6249

1.234 MeV (n,n') Level  
Cross Section

62-Sm-152  
-94.12 To 9999. %

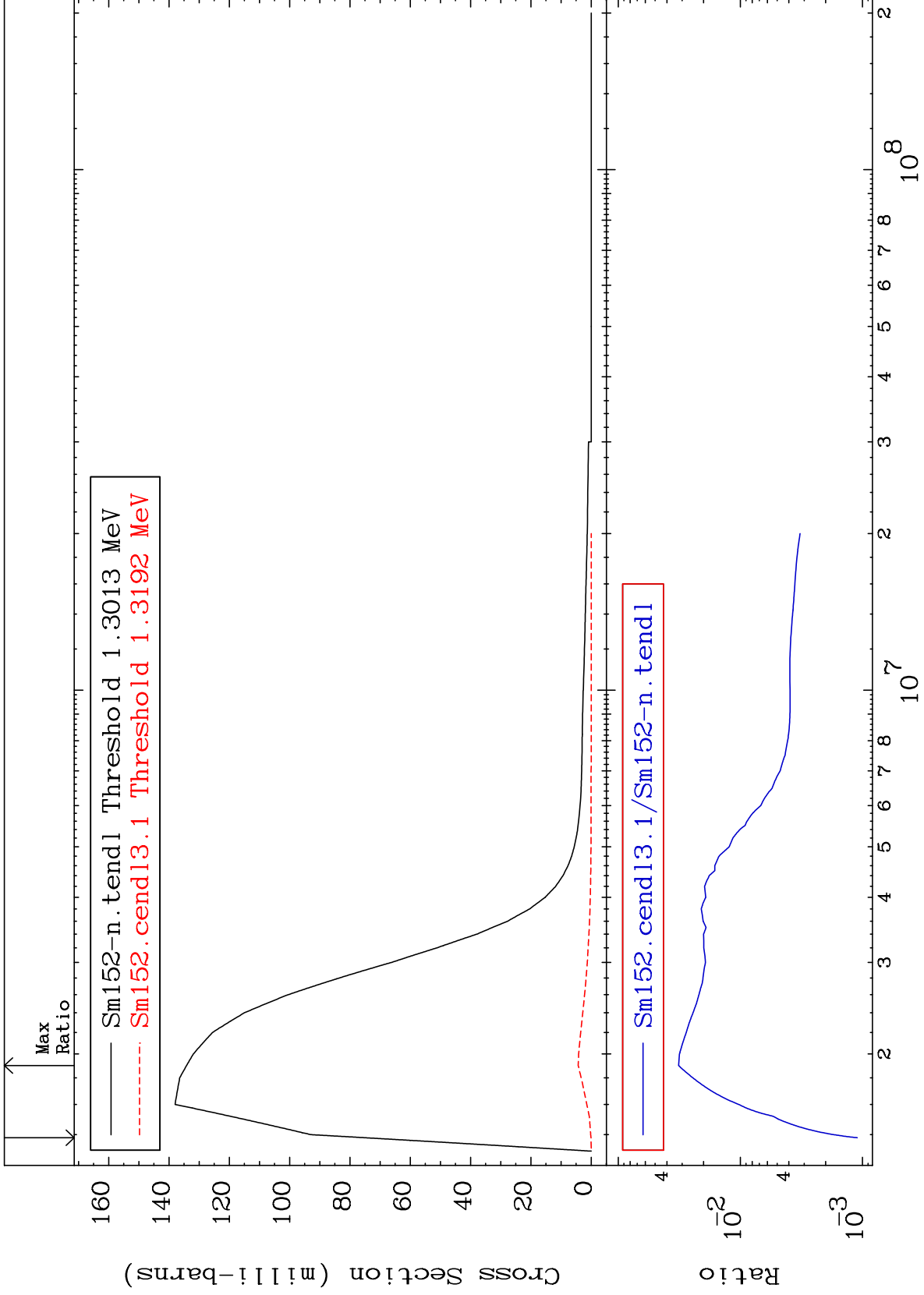




MAT 6249

1.293 MeV (n,n') Level  
Cross Section

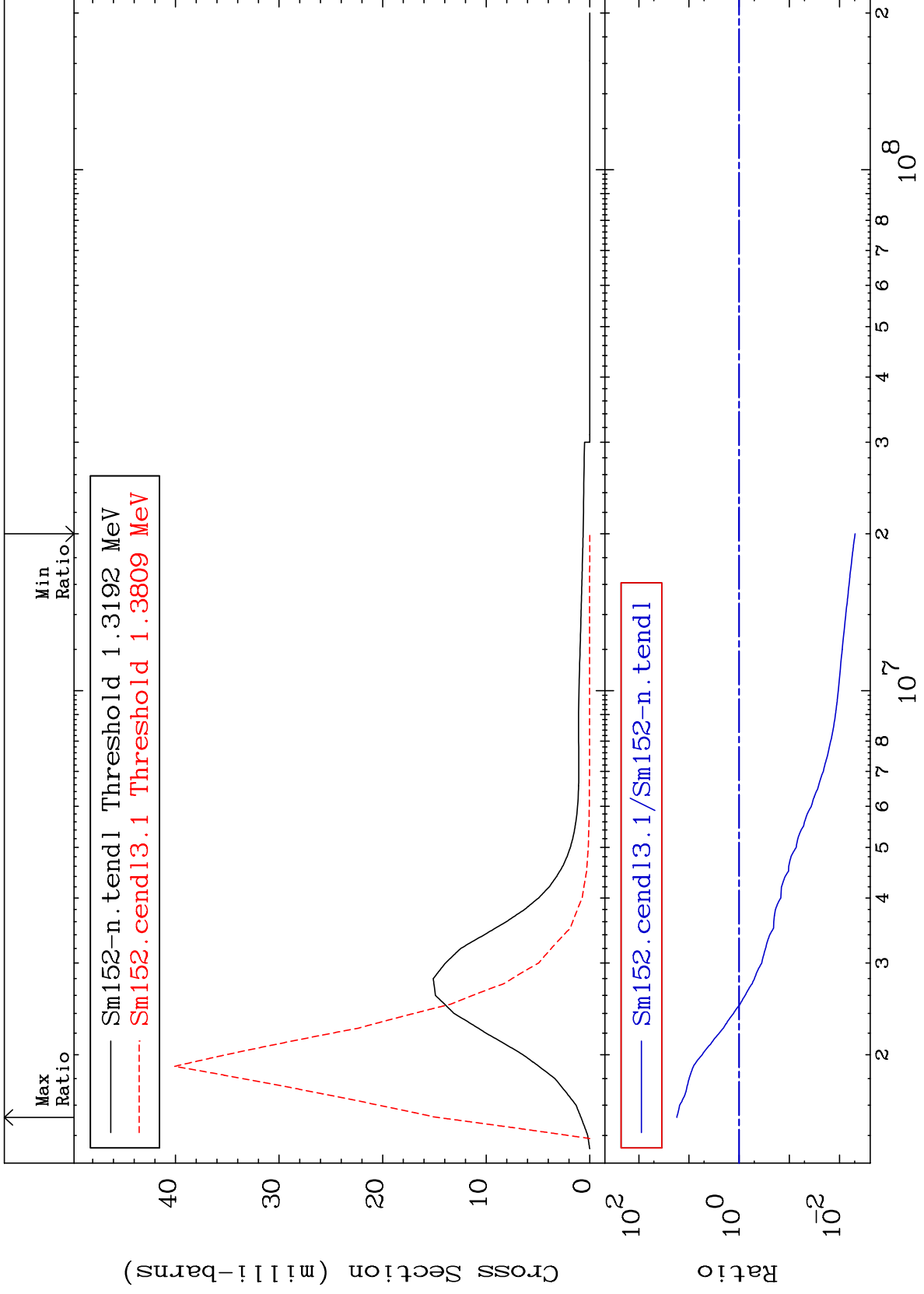
62-Sm-152  
-99.89 To -96.80%



MAT 6249

1.311 MeV (n,n') Level  
Cross Section

62-Sm-152  
-99.51 To 1639. %

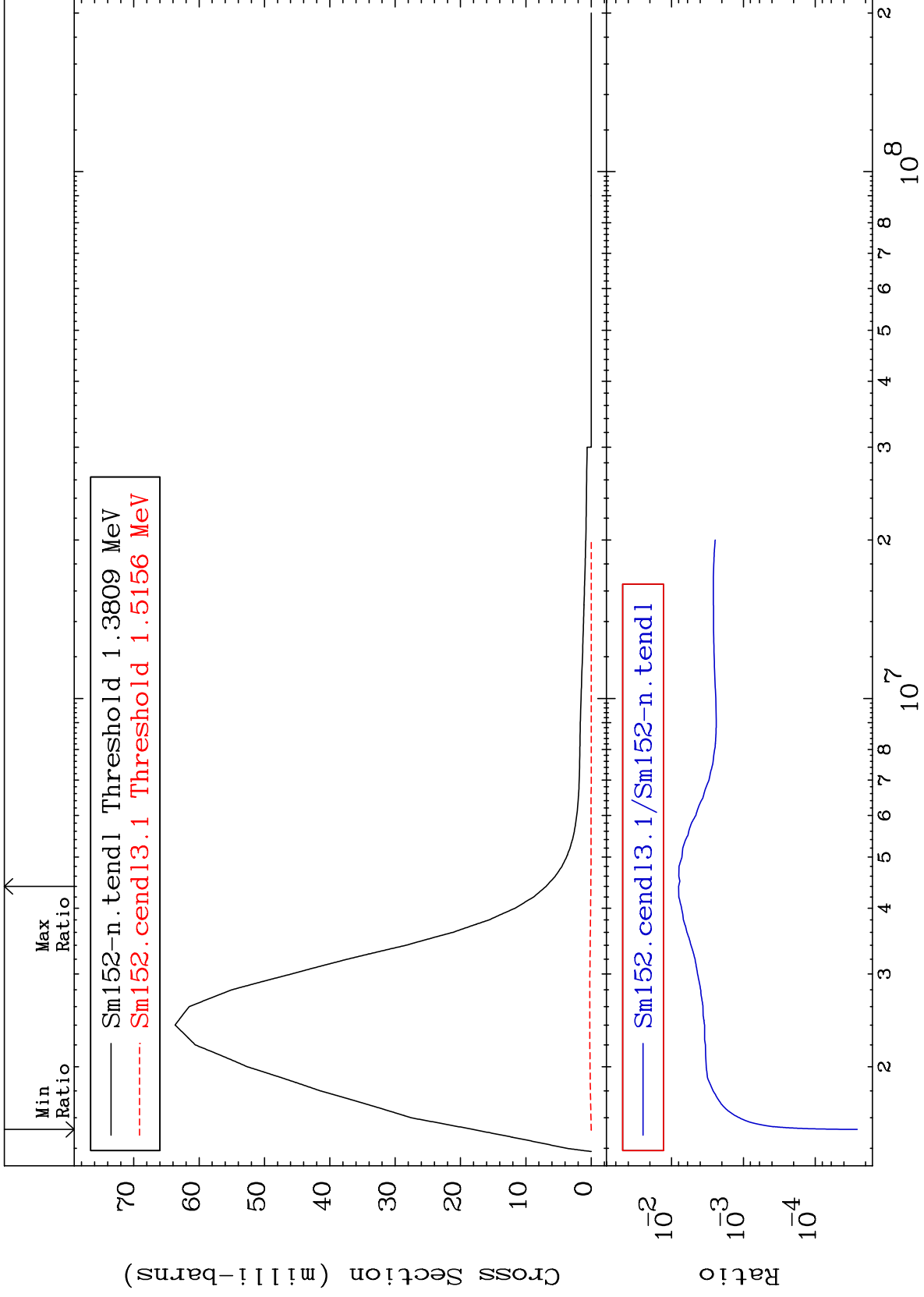




MAT 6249

1.372 MeV (n,n') Level  
Cross Section

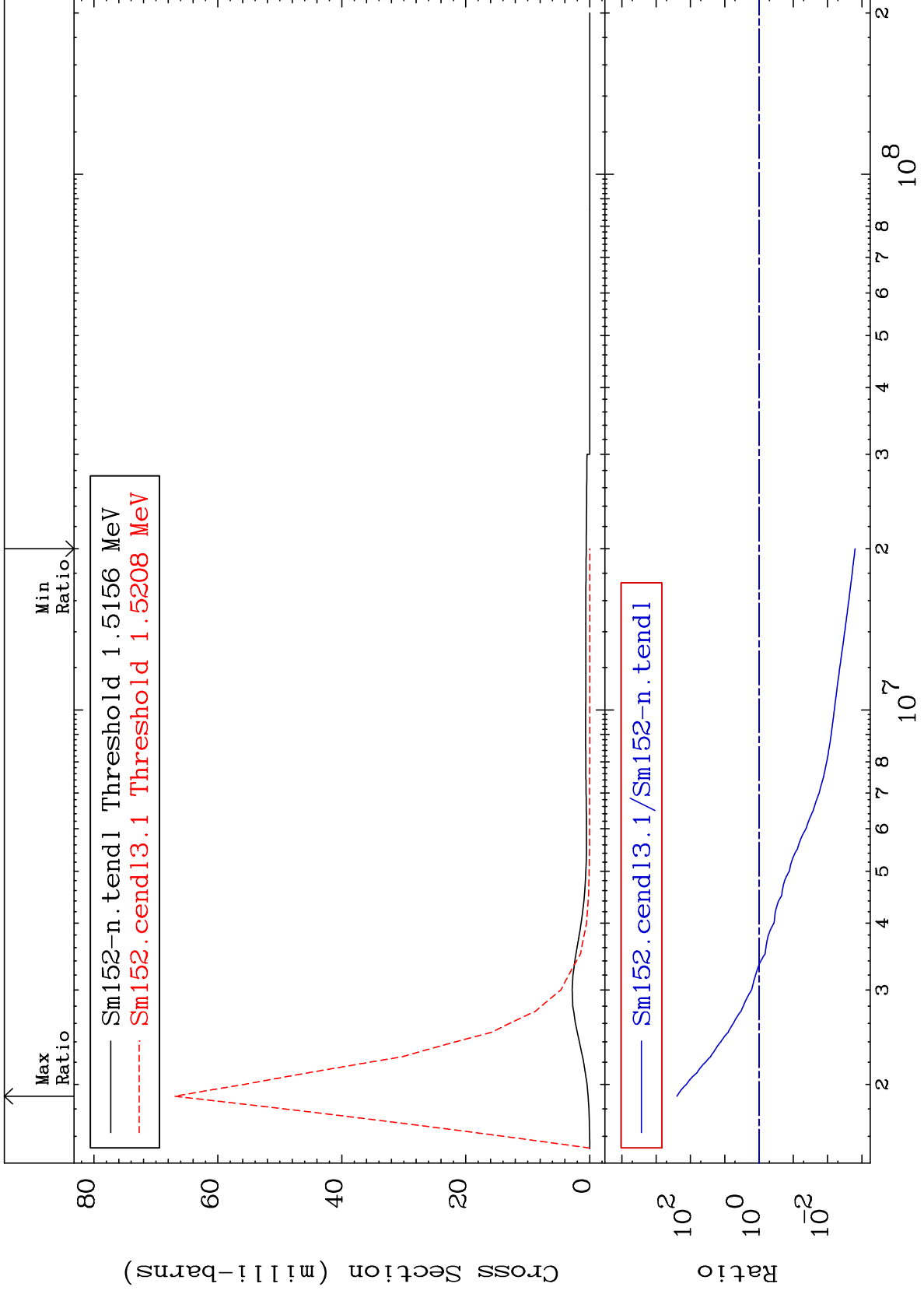
62-Sm-152  
-100.0 To -99.20%



MAT 6249

1.506 MeV (n,n') Level  
Cross Section

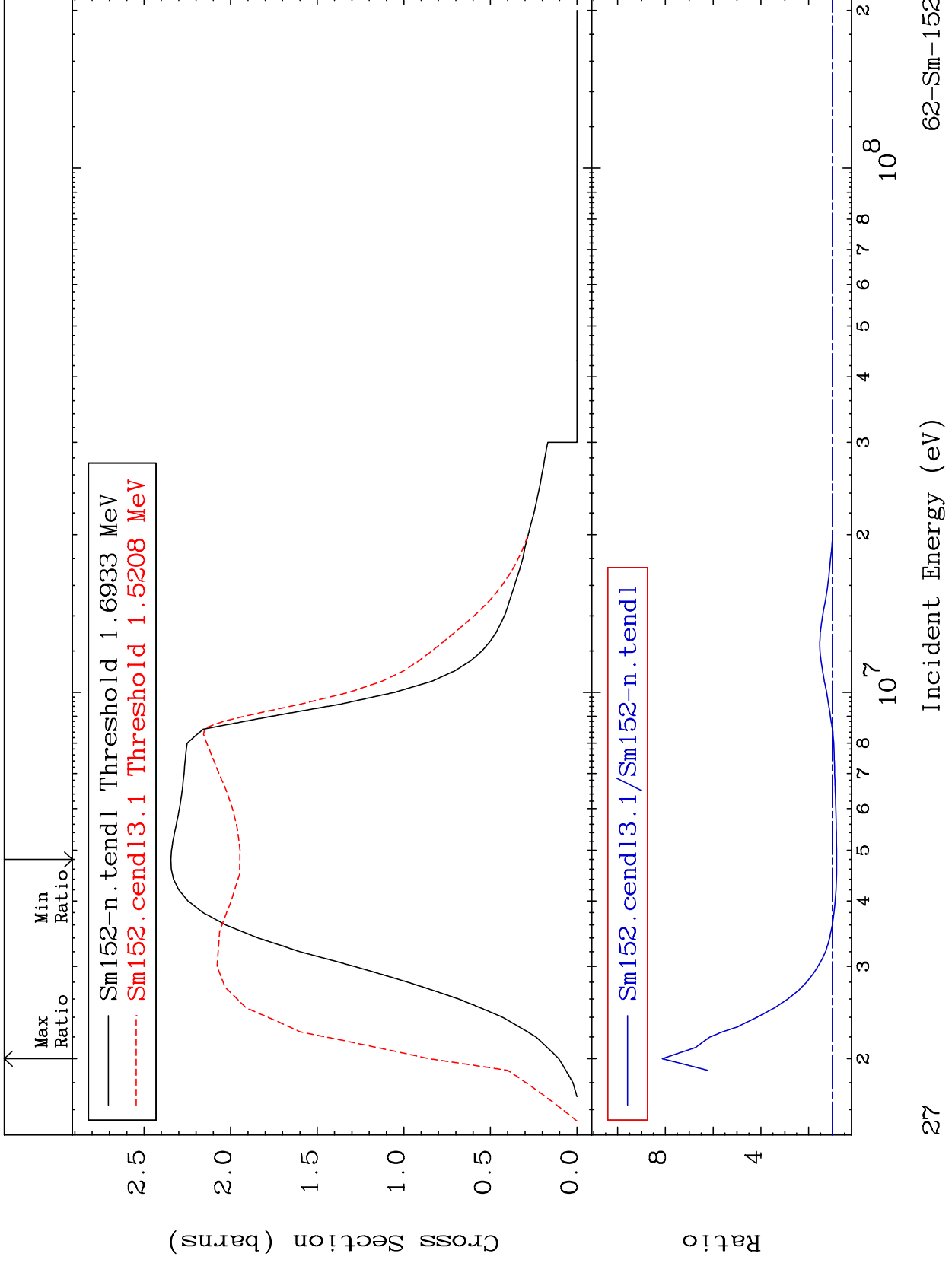
62-Sm-152  
-99.84 To 9999. %



MAT 6249

(n, n') Continuum  
Cross Section

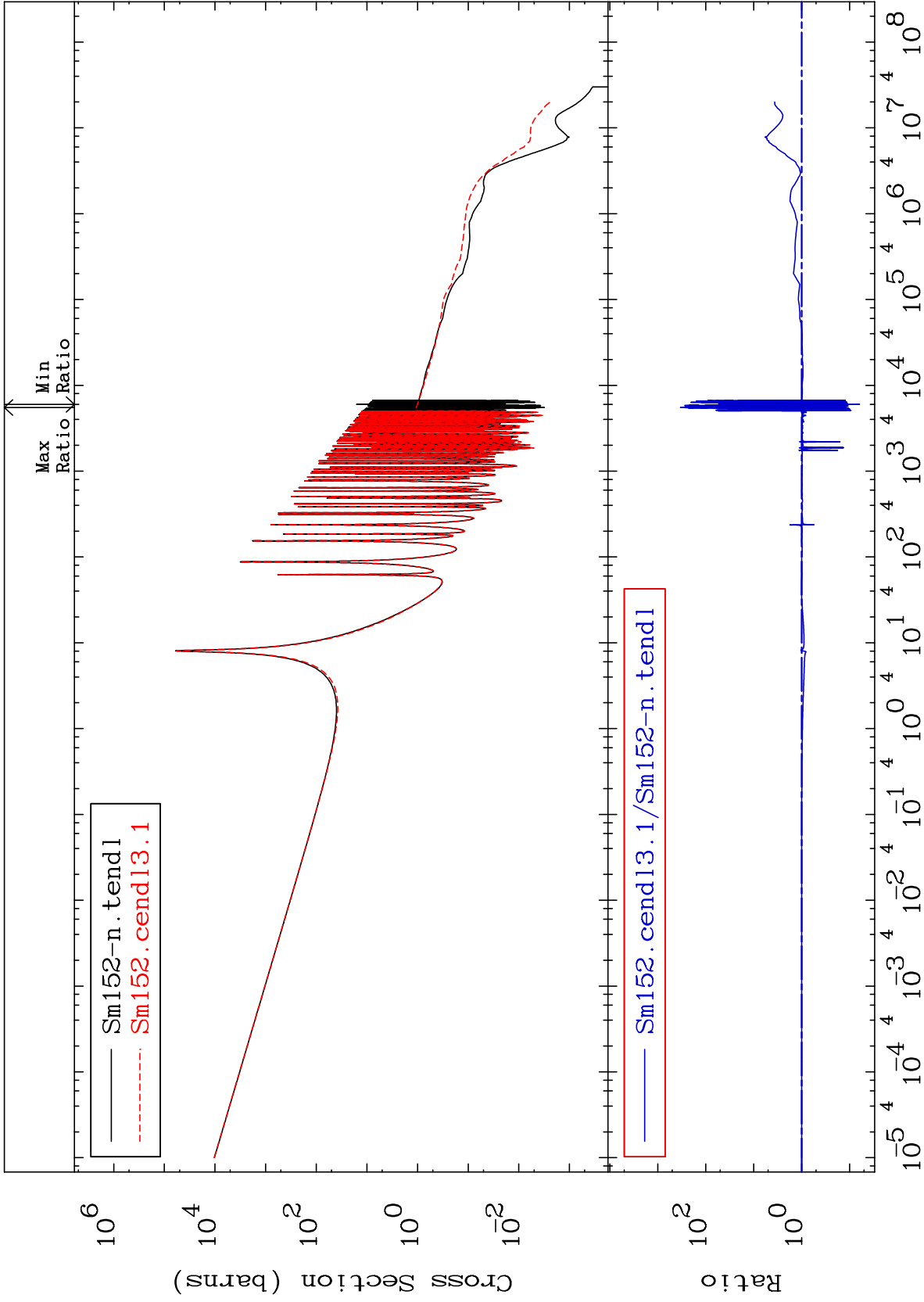
62-Sm-152  
-16.99 To 712.7 %



MAT 6249

(n,  $\gamma$ )  
Cross Section

62-Sm-152  
-93.75 To 9999. %



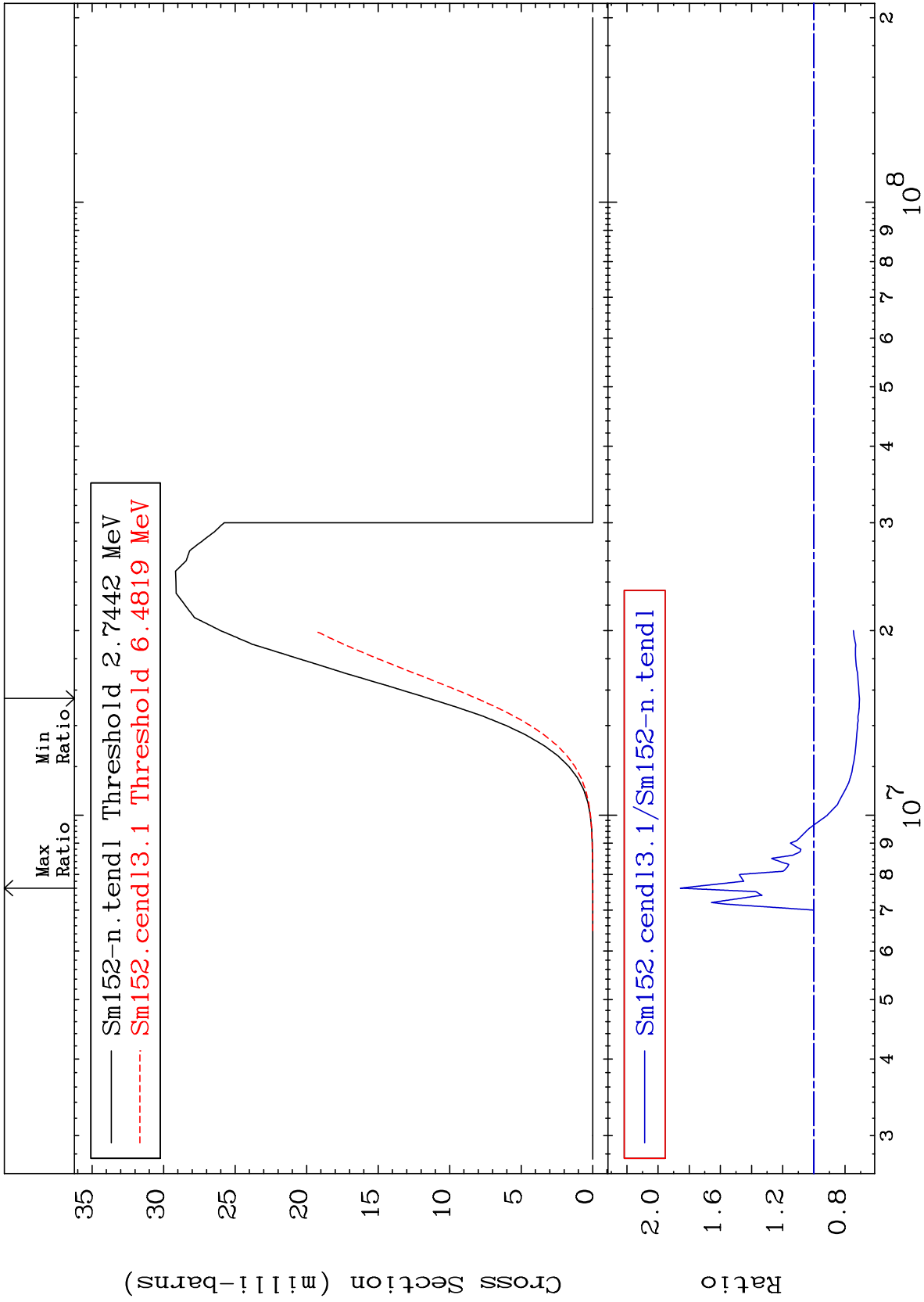
MAT 6249

(n, p)

62-Sm-152

Cross Section

-29.25 To 85.69 %



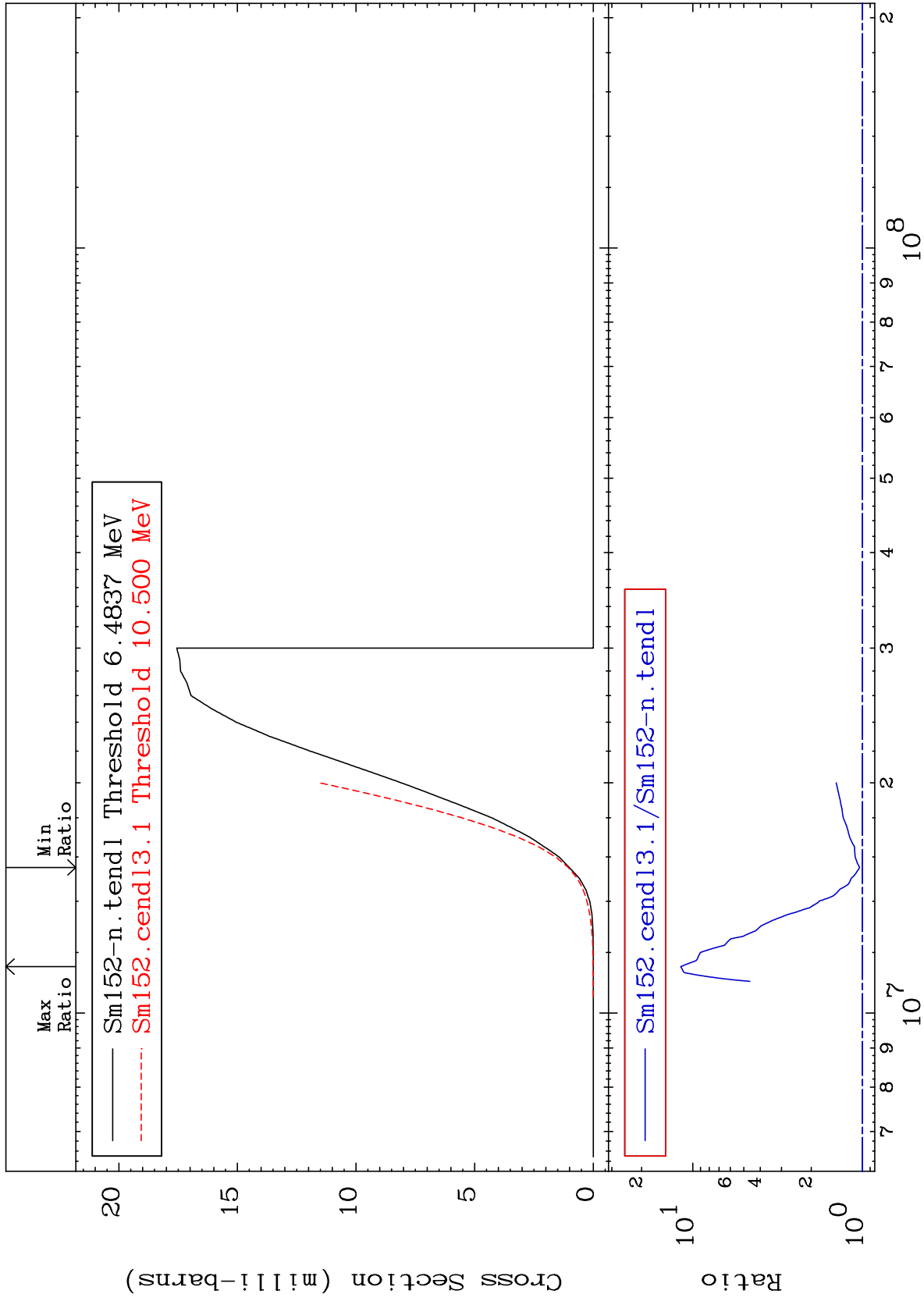
MAT 6249

(n, d)

62-Sm-152

Cross Section

3.929 To 1076. %



30

Incident Energy (eV)

62-Sm-152

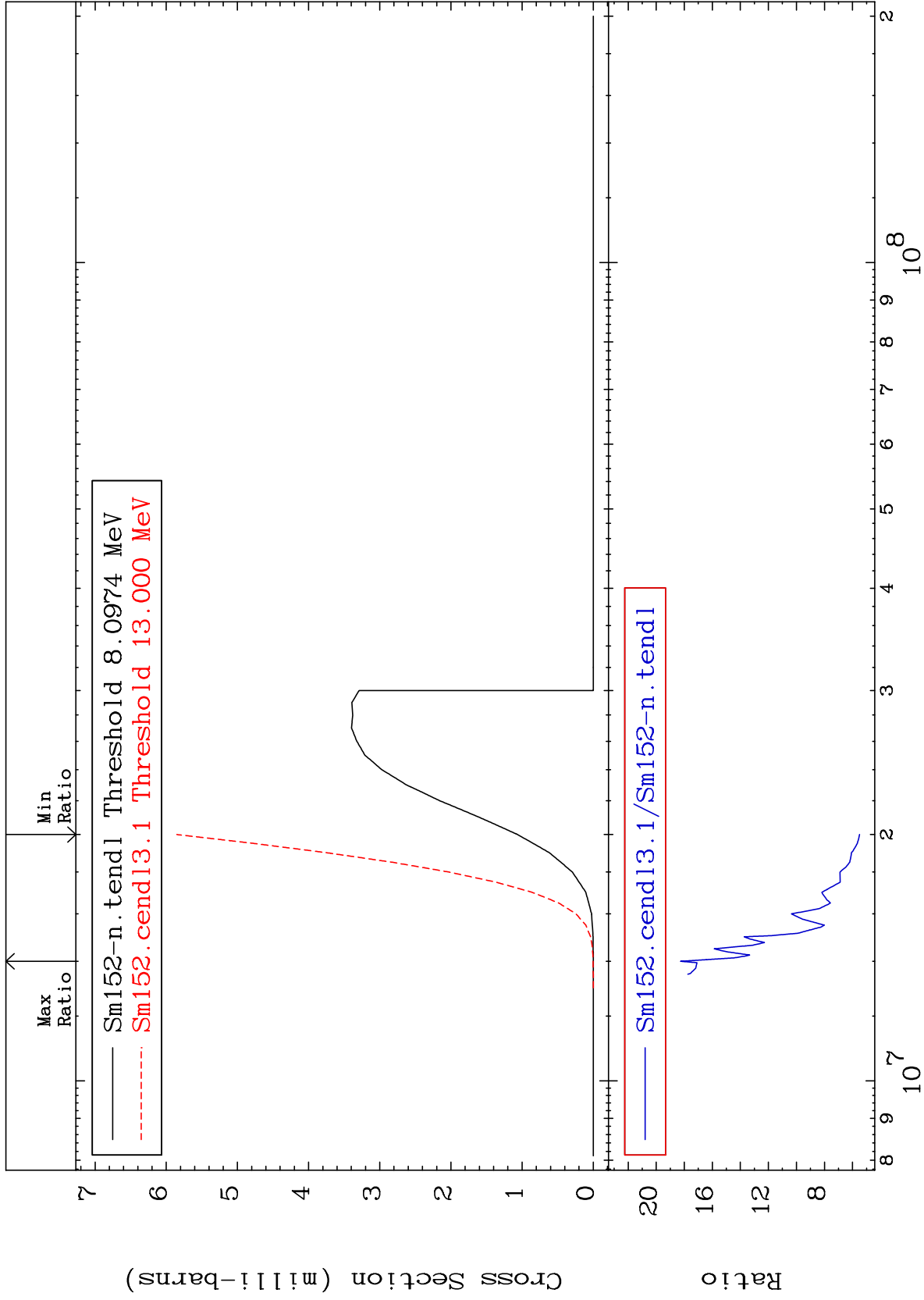
MAT 6249

(n, t)

62-Sm-152

Cross Section

449.8 To 1725. %

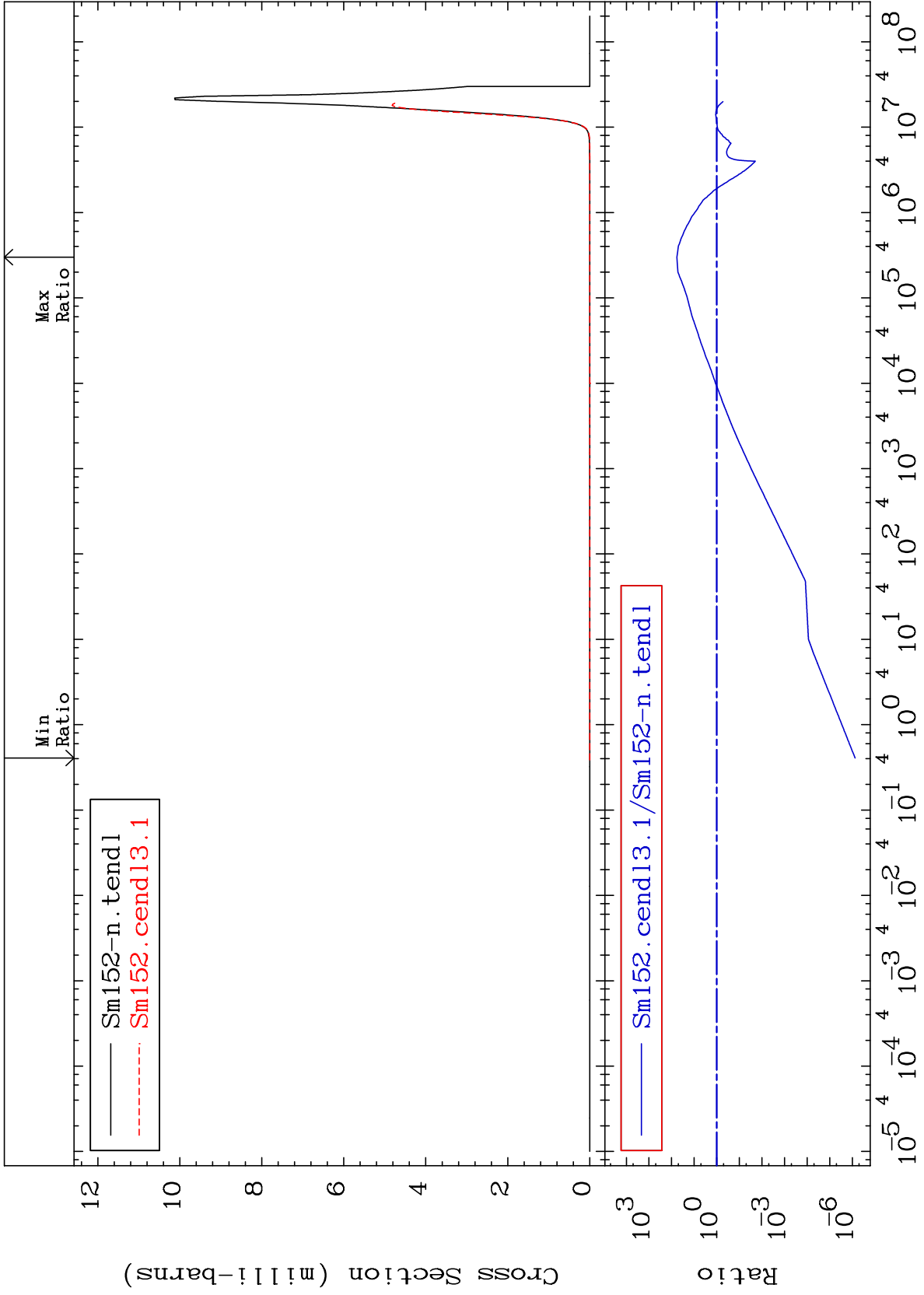


31

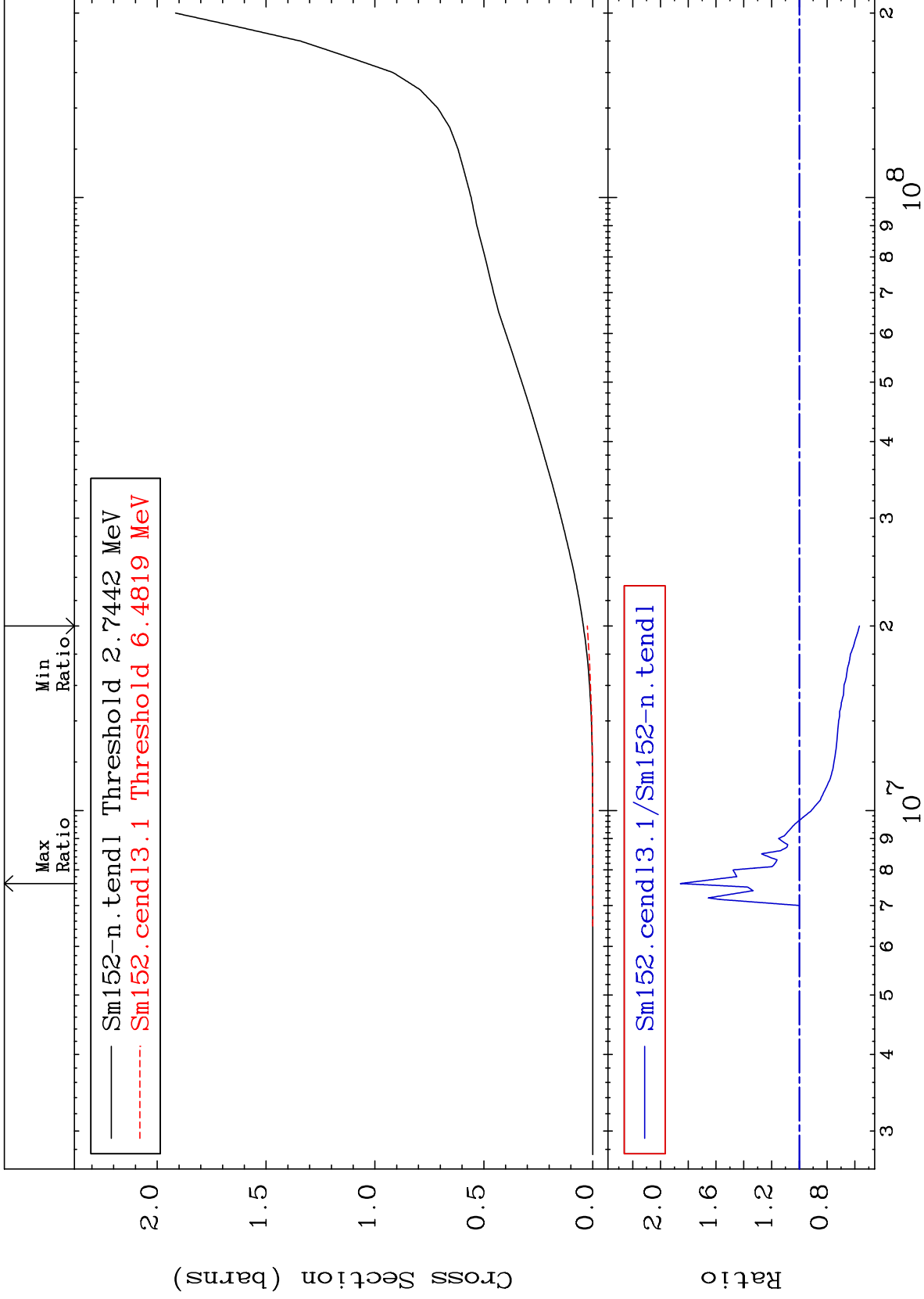
62-Sm-152

MAT 6249

(n,  $\alpha$ )  
Cross Section  
62-Sm-152  
-100.0 To 5683. %



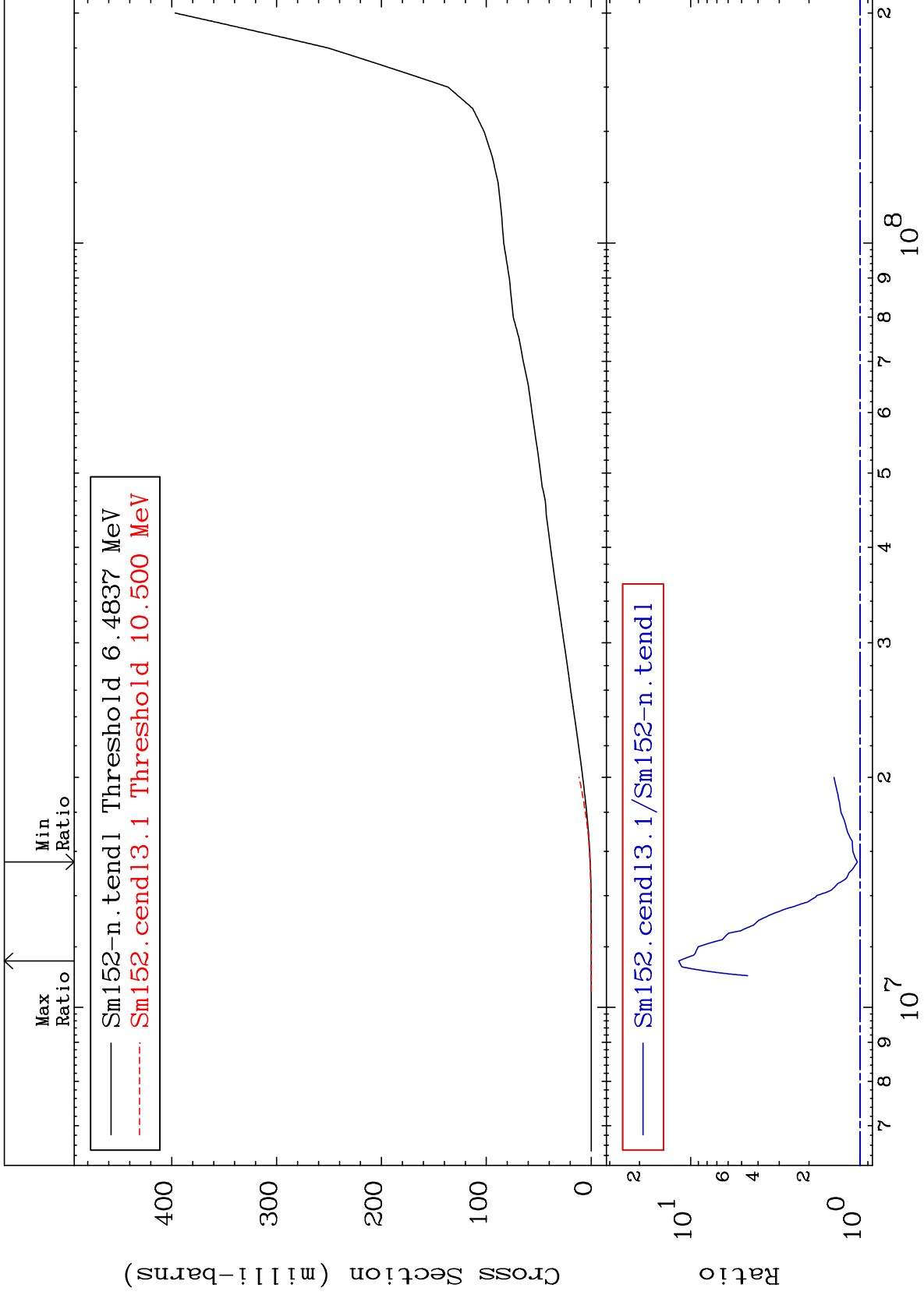




MAT 6249

Deuterium Production  
Cross Section

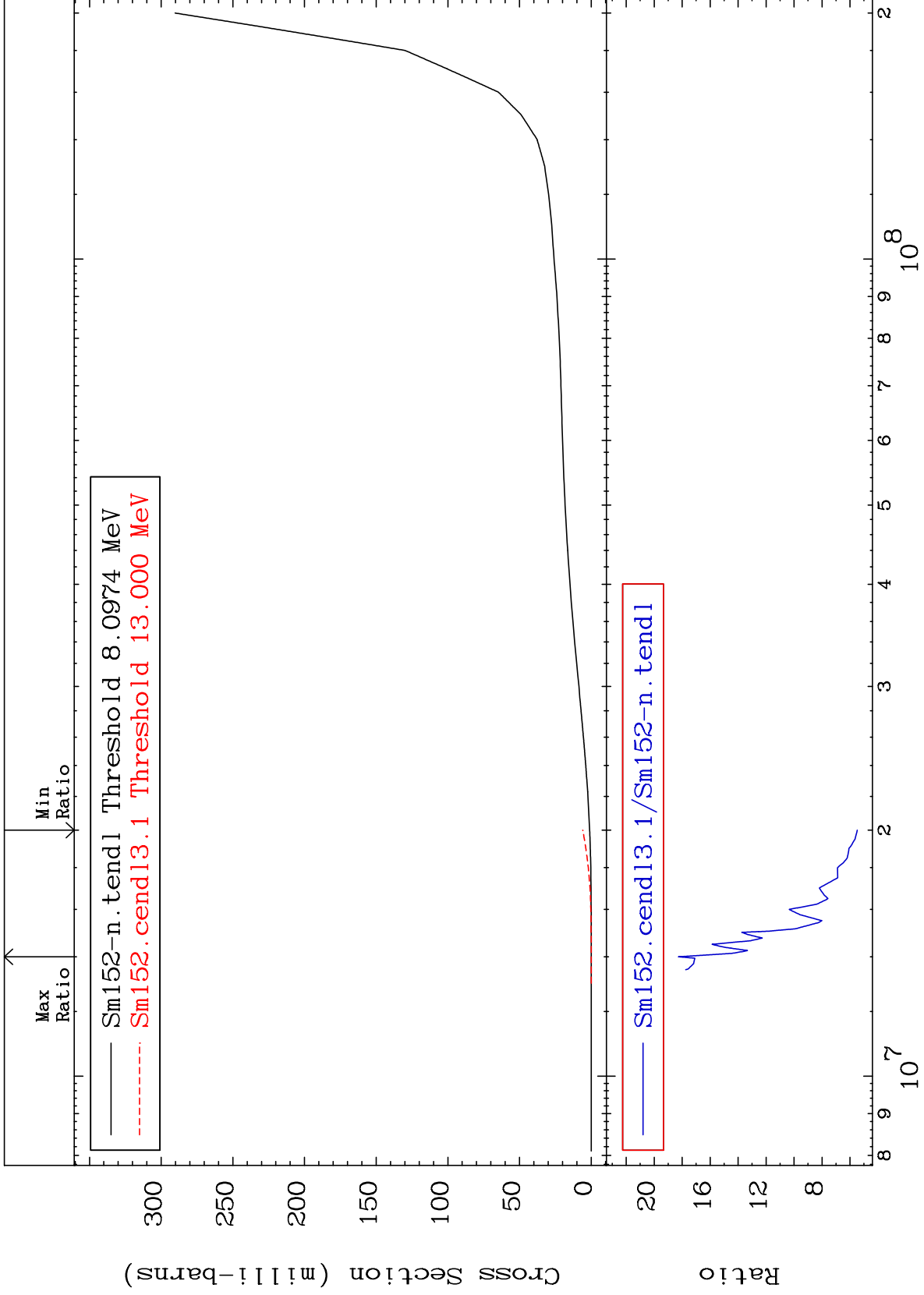
62-Sm-152  
3.929 To 1076. %



MAT 6249

Tritium Production  
Cross Section

62-Sm-152  
448.3 To 1725. %



35

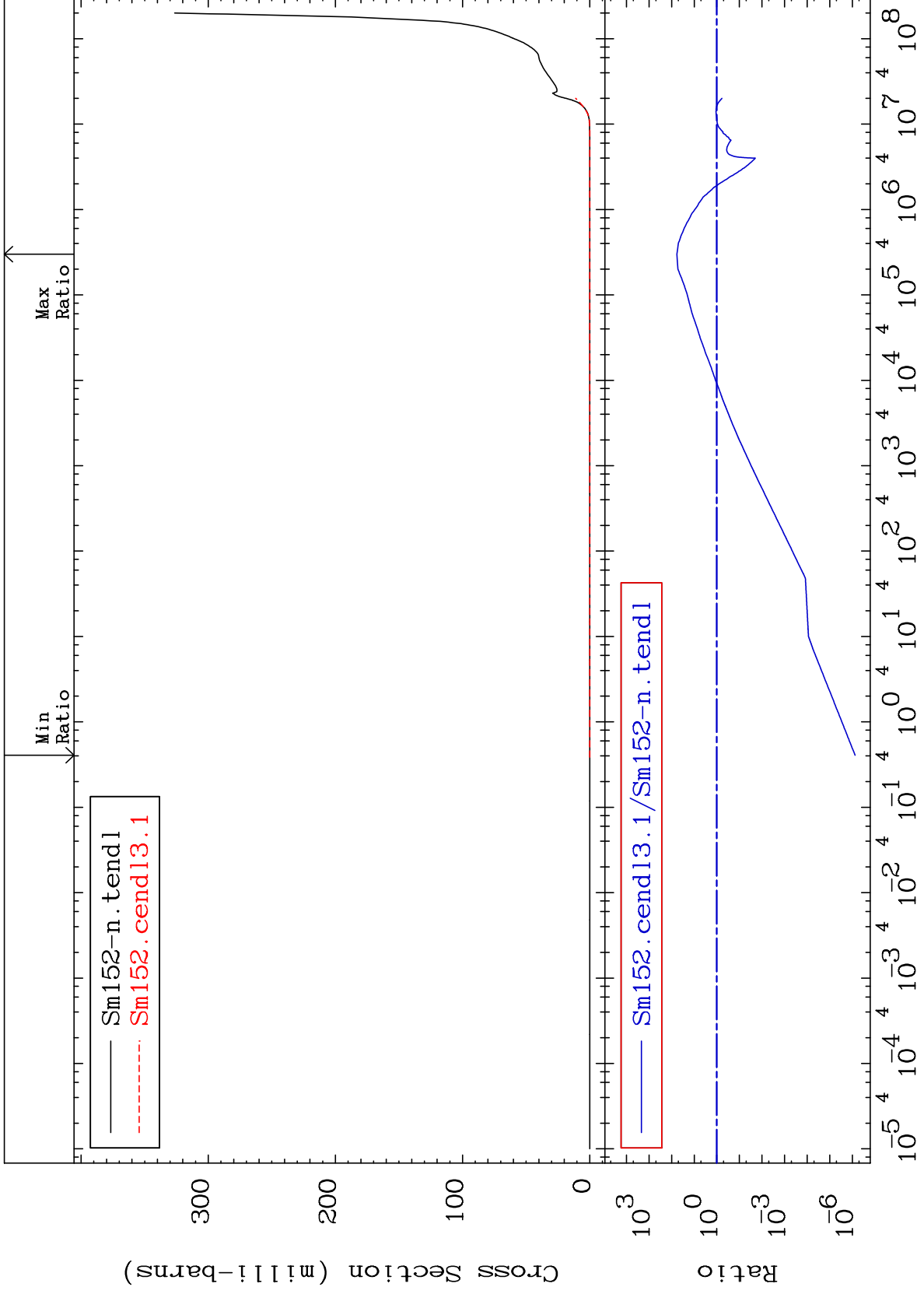
Incident Energy (eV)

62-Sm-152

MAT 6249

He-4 Production  
Cross Section

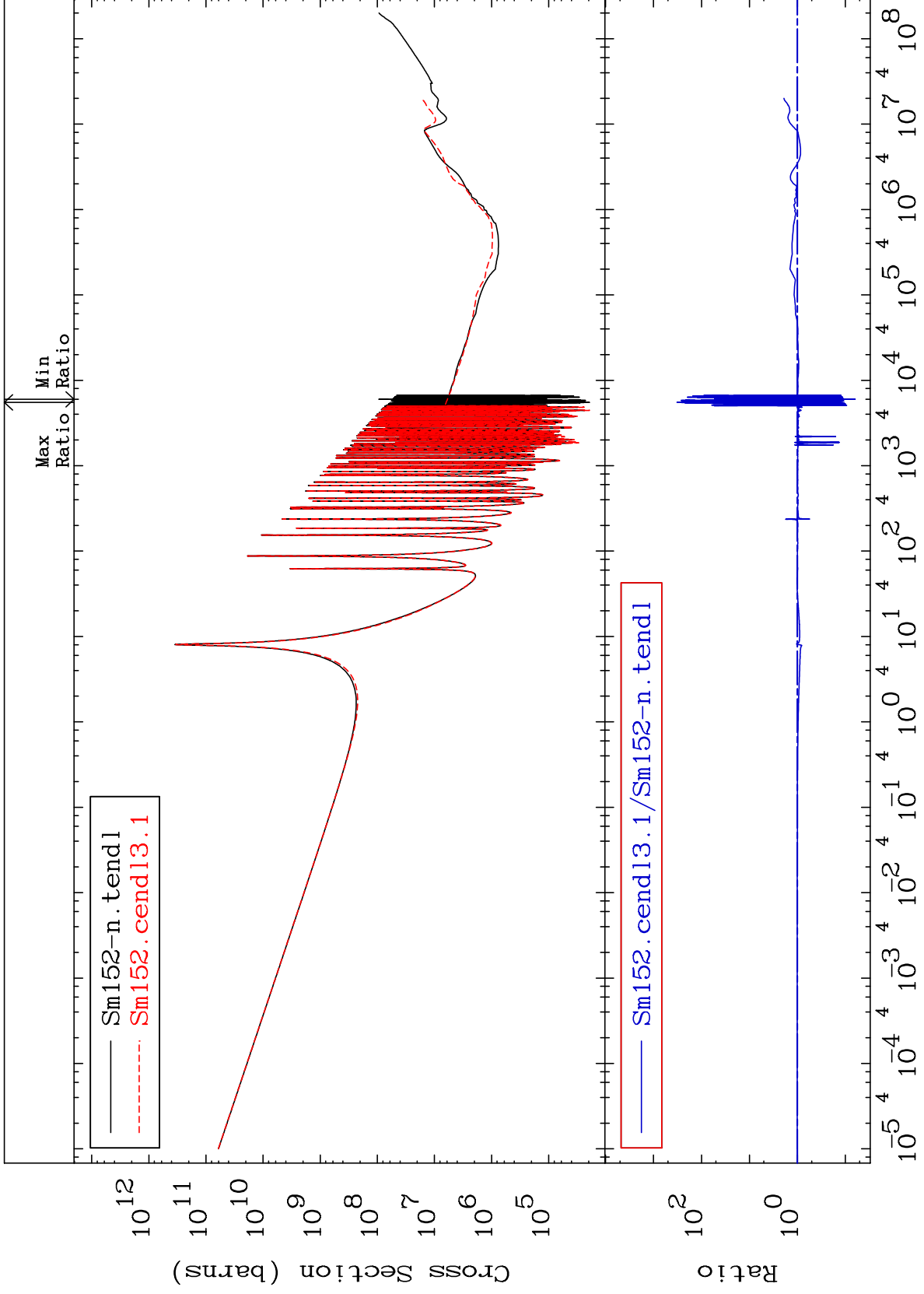
62-Sm-152  
-100.0 To 5721.1 %



MAT 6249

Kerma total (eV-barns)  
Cross Section

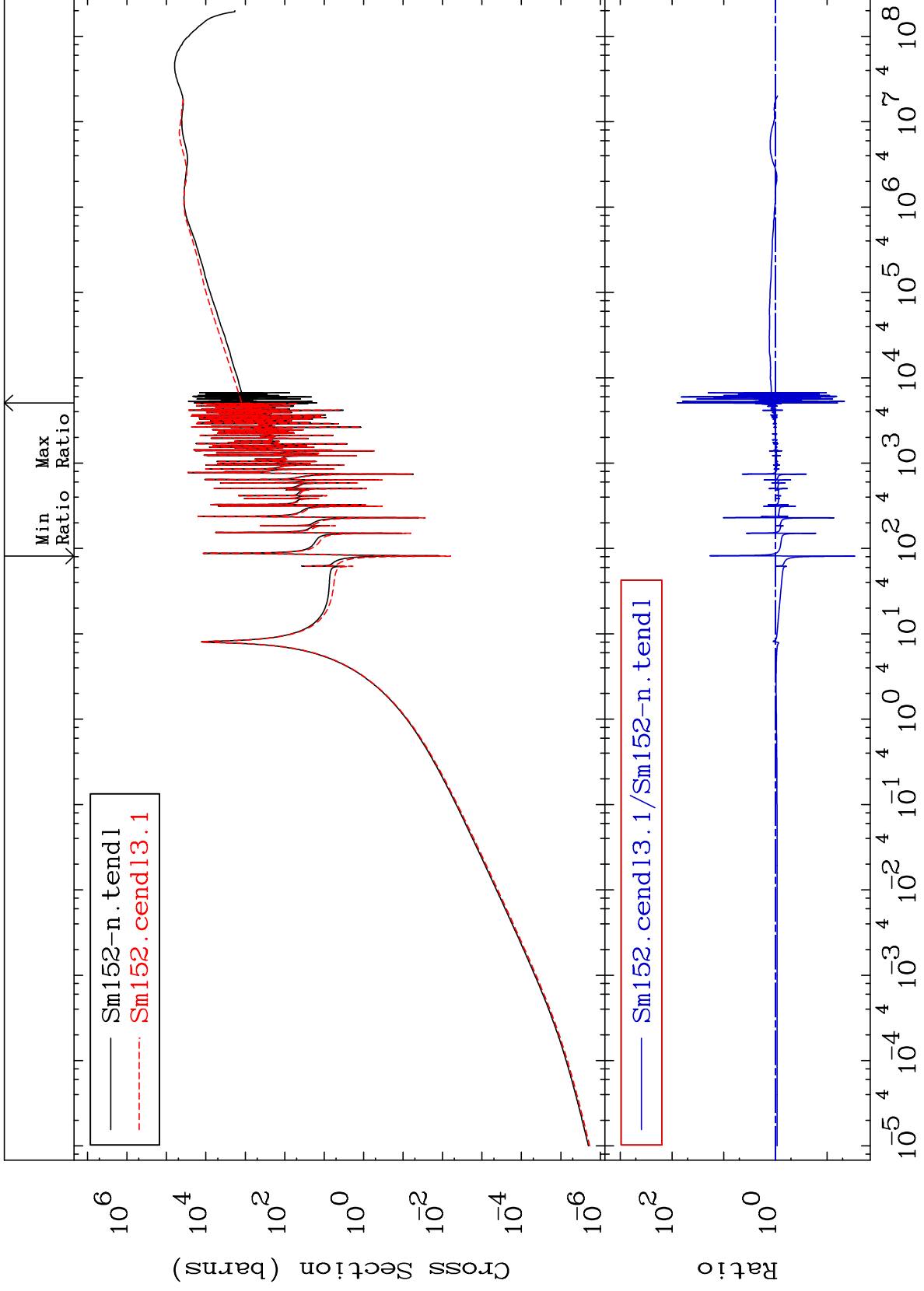
62-Sm-152  
-93.75 To 9999. %

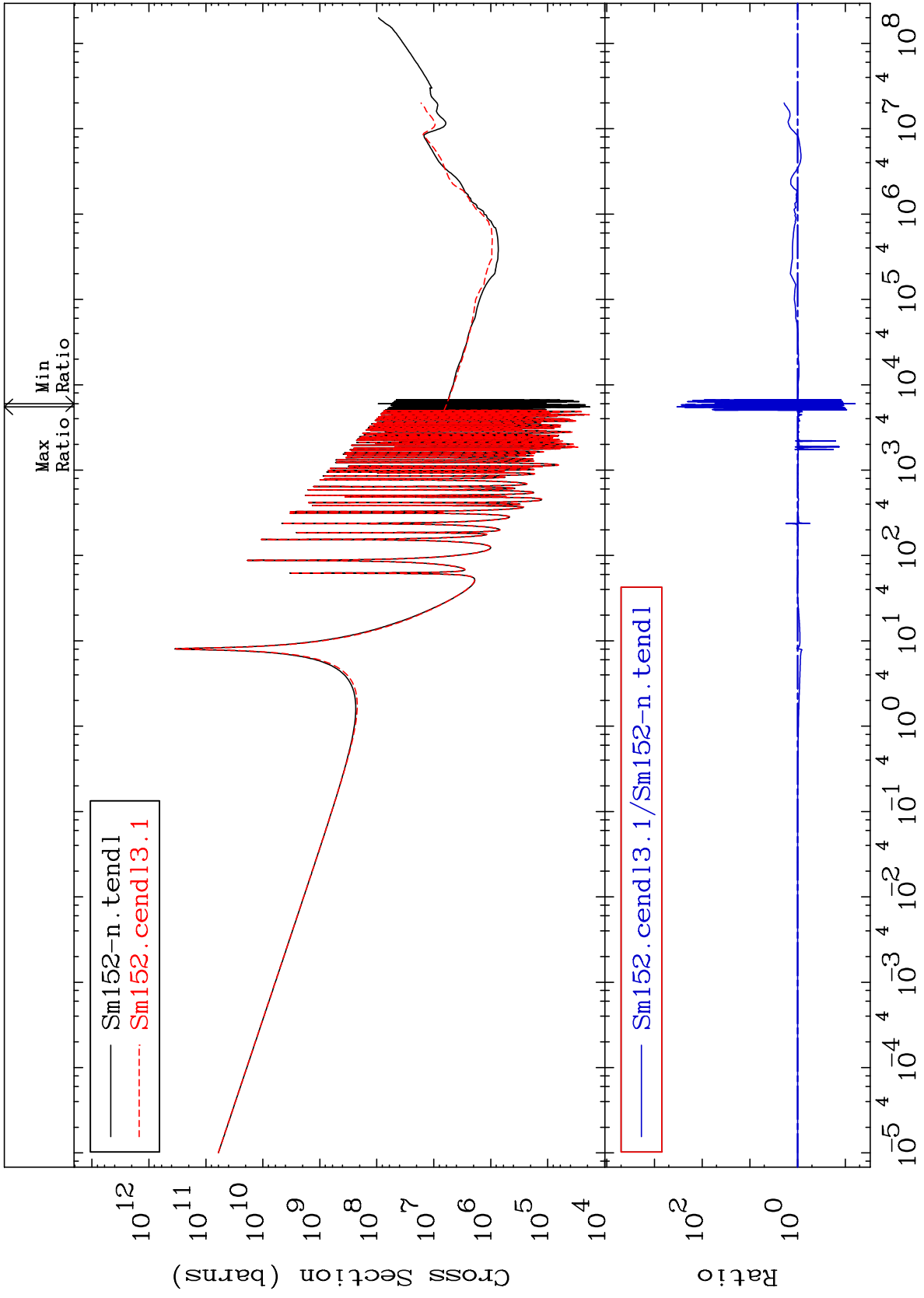


MAT 6249

Kerma elastic  
Cross Section

62-Sm-152  
-97.12 To 7940. %

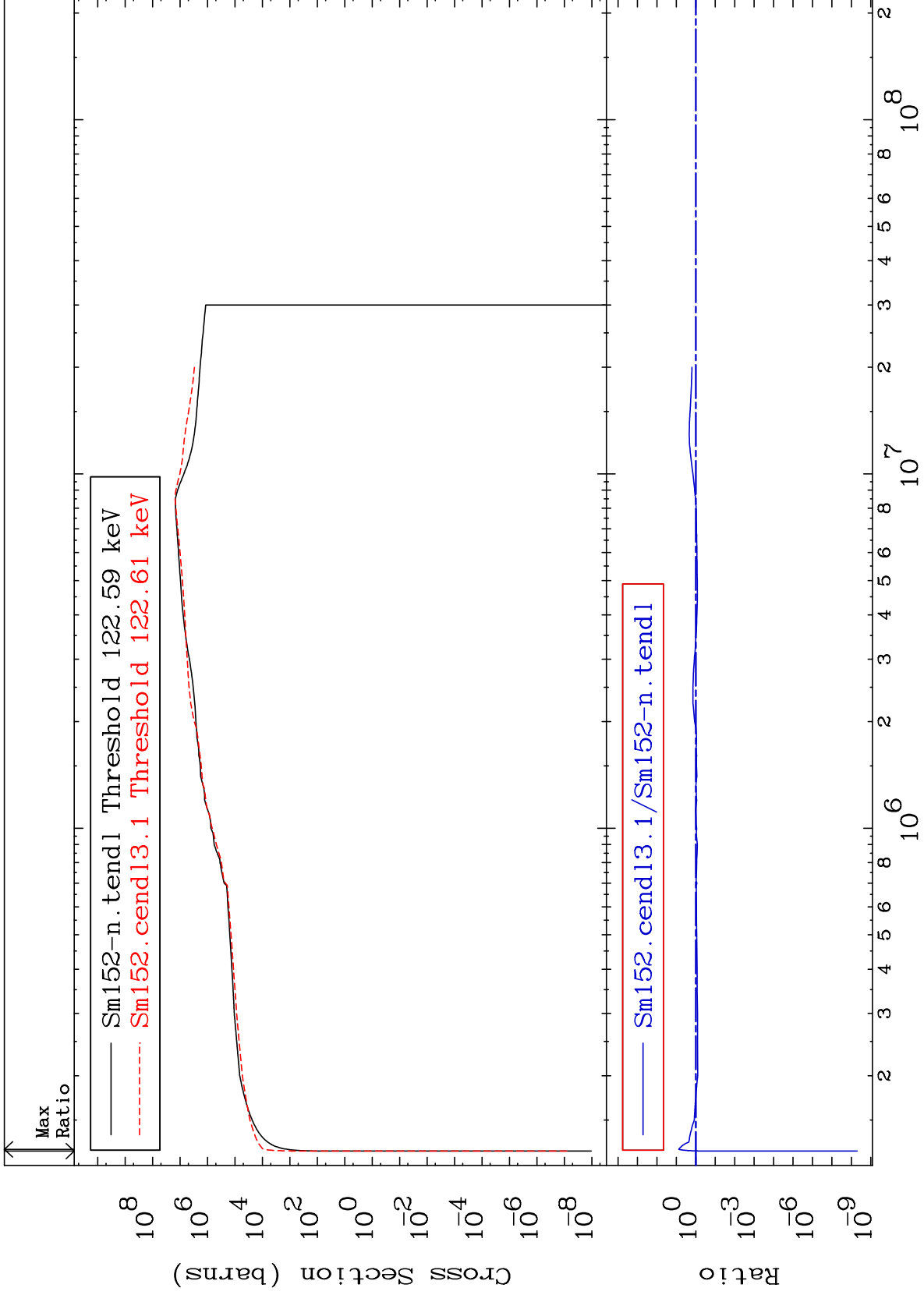




MAT 6249

Kerma inelastic (mt51-91)  
Cross Section

62-Sm-152  
-100.0 To 665.3 %

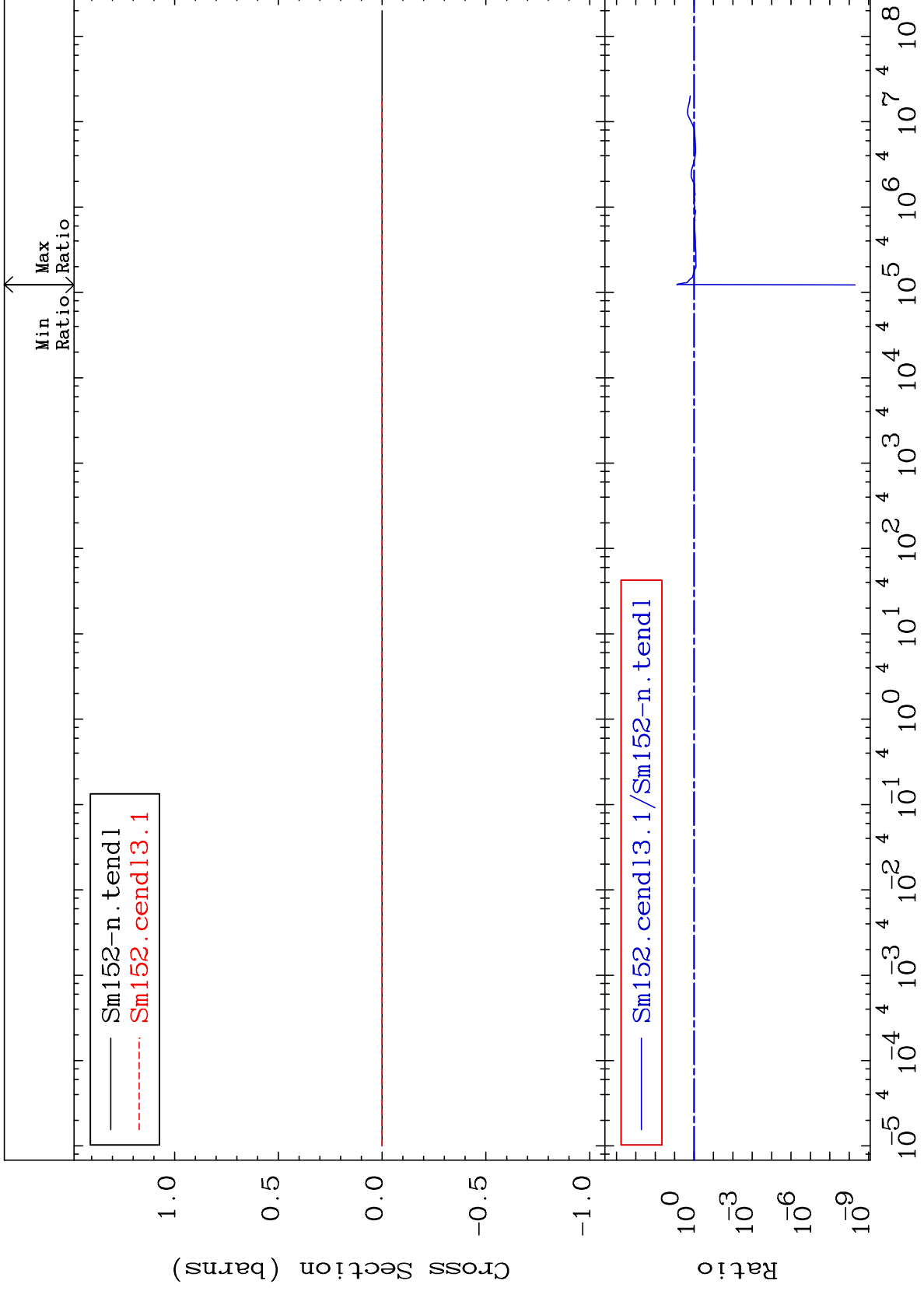




MAT 6249

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

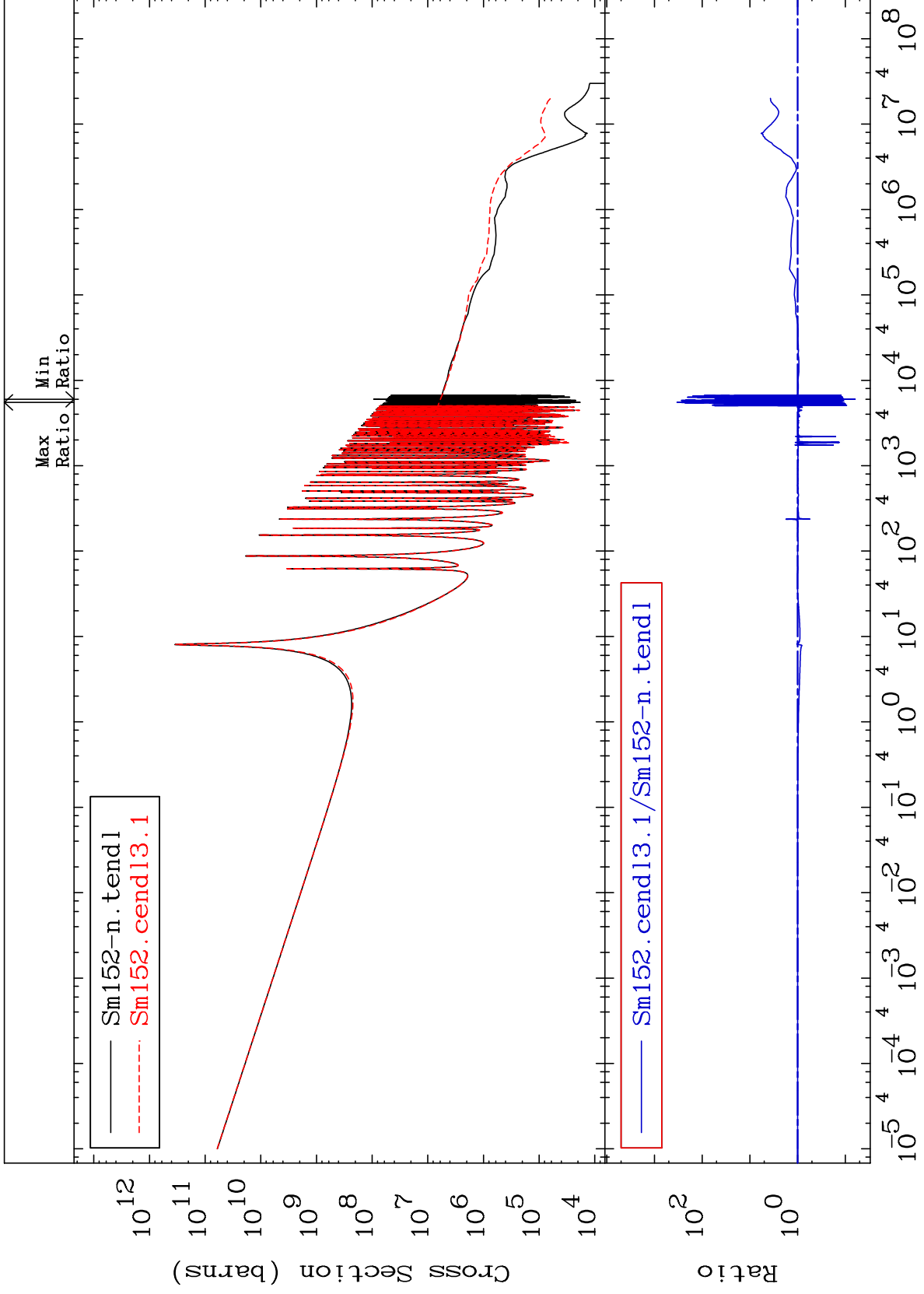
62-Sm-152  
-100.0 To 665.3 %



MAT 6249

Kerma capture (mt102)  
Cross Section

62-Sm-152  
-93.75 To 9999. %



42

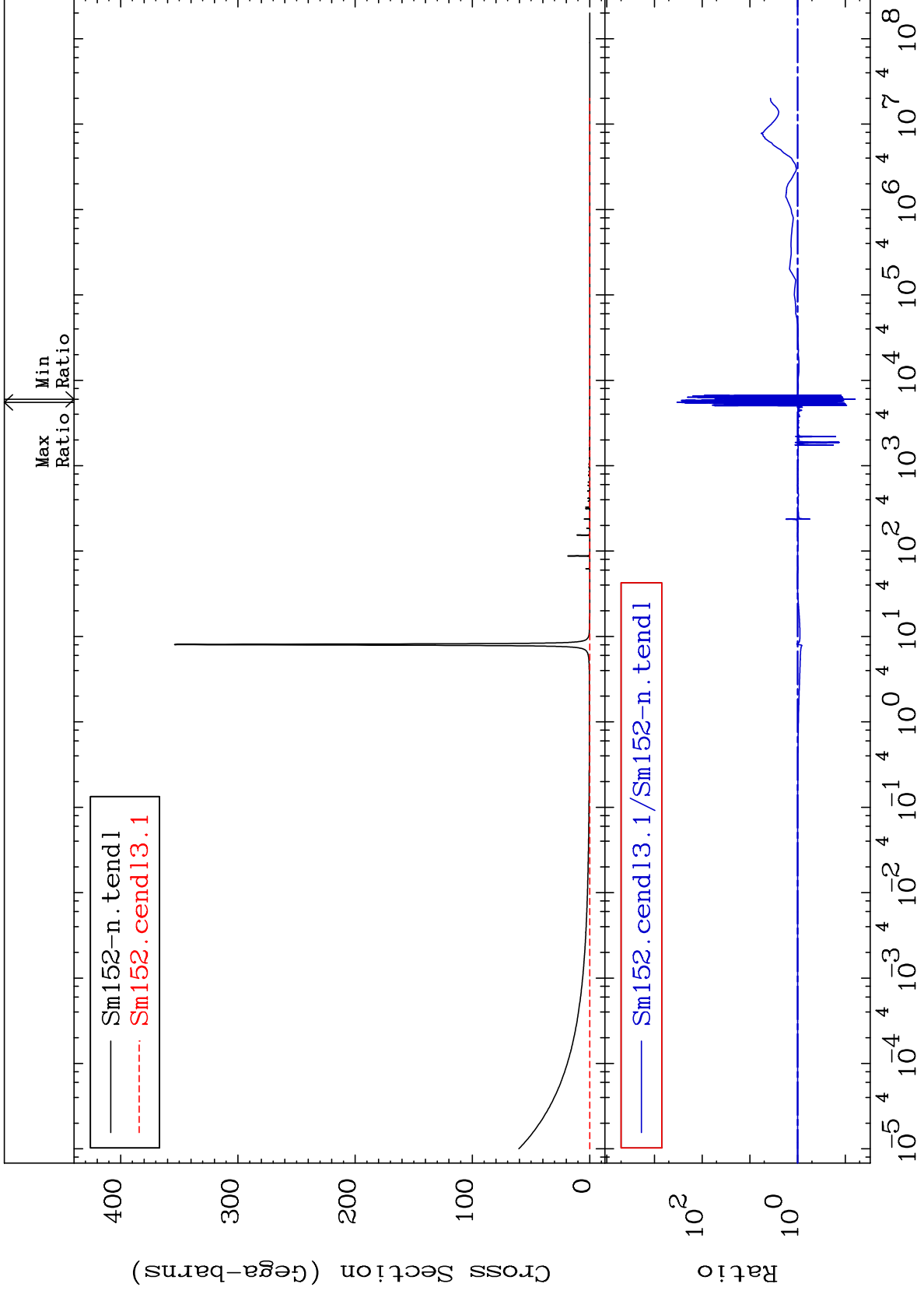
Incident Energy (eV)

62-Sm-152

MAT 6249

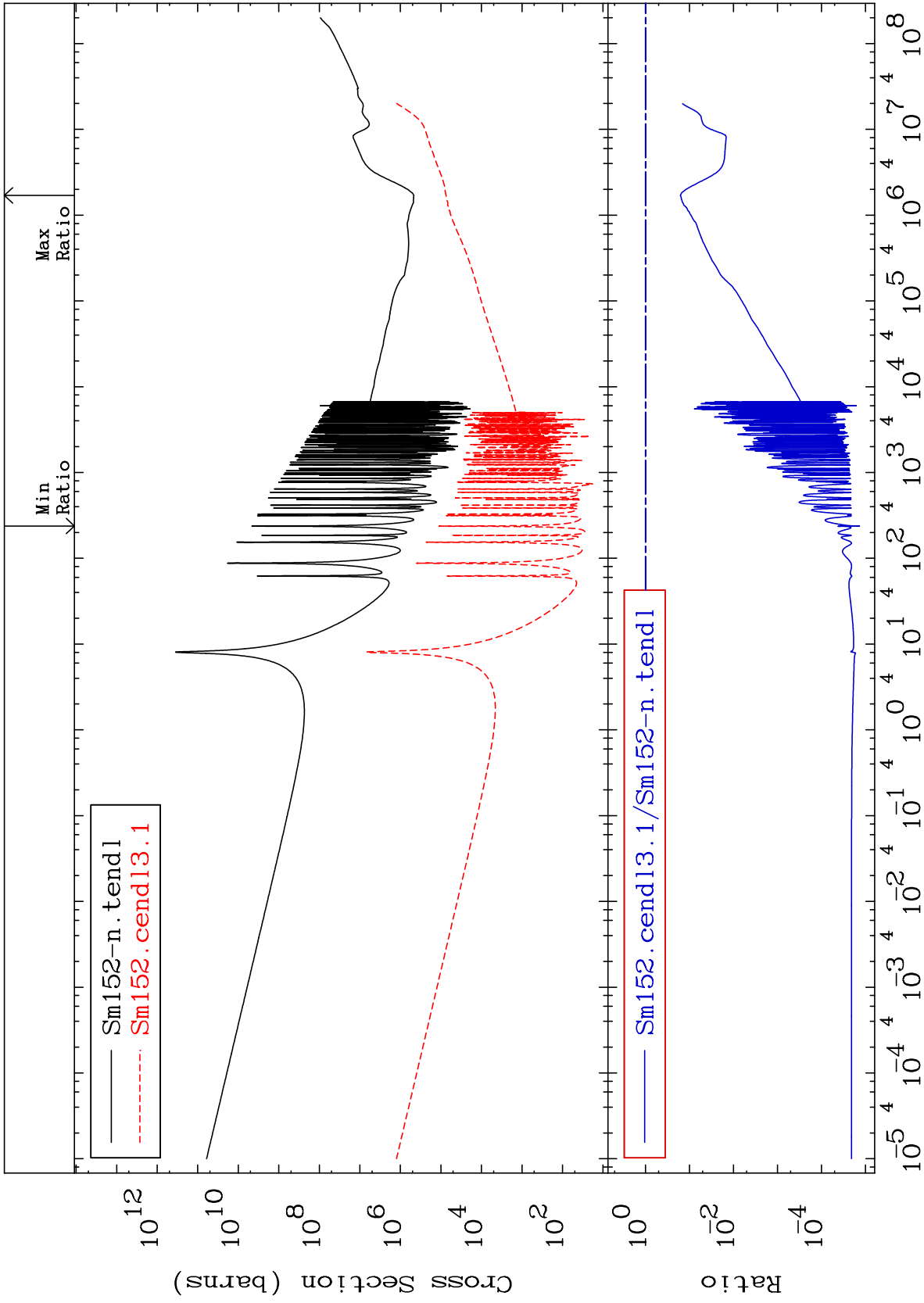
Total photon (eV-barns)  
Cross Section

62-Sm-152  
-93.75 To 9999. %



43

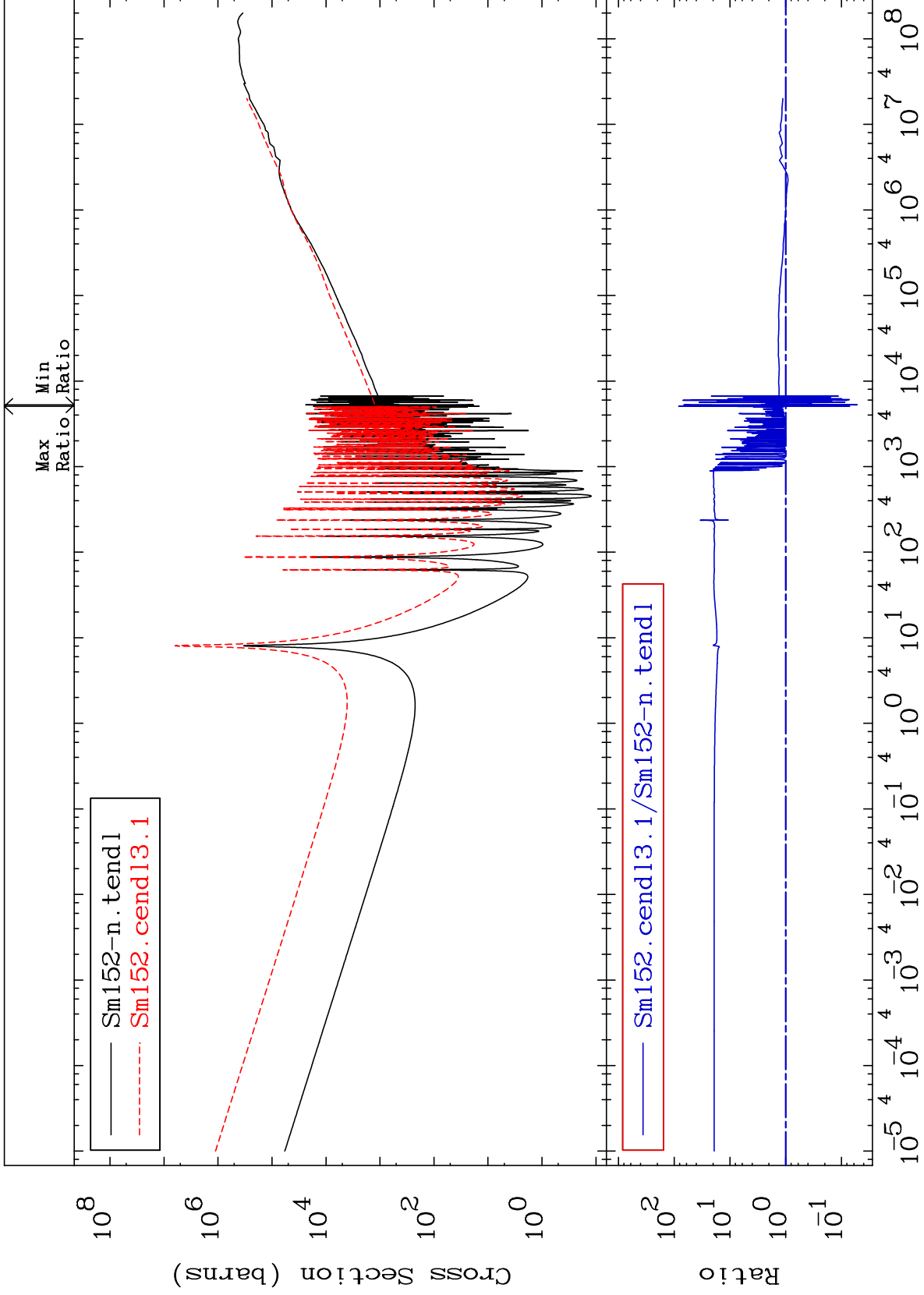
62-Sm-152



MAT 6249

Dpa total (eV-barns)  
Cross Section

62-Sm-152  
-94.77 To 8218. %



45

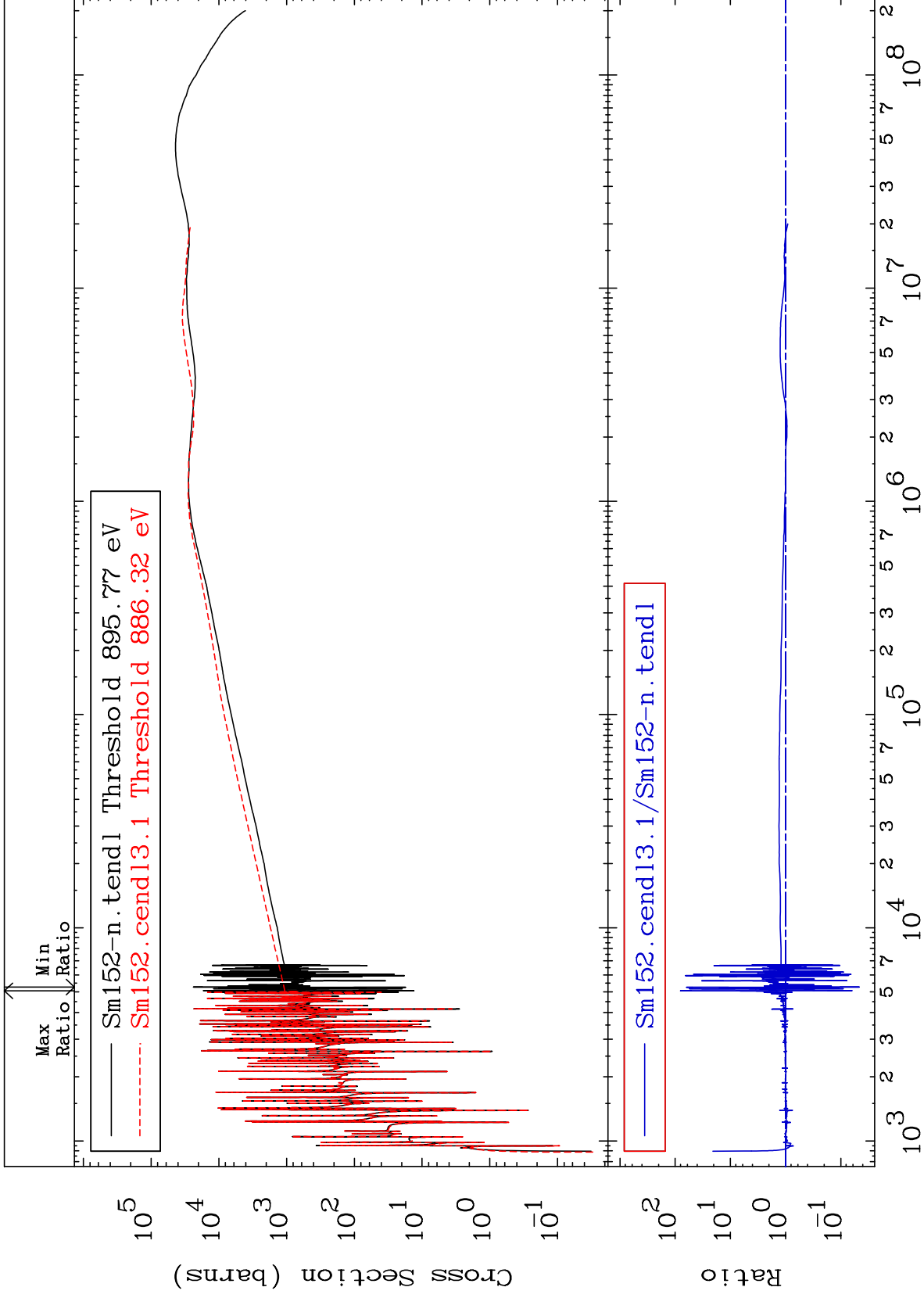
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa elastic (mt2)  
Cross Section

62-Sm-152  
-95.40 To 7956. %



46

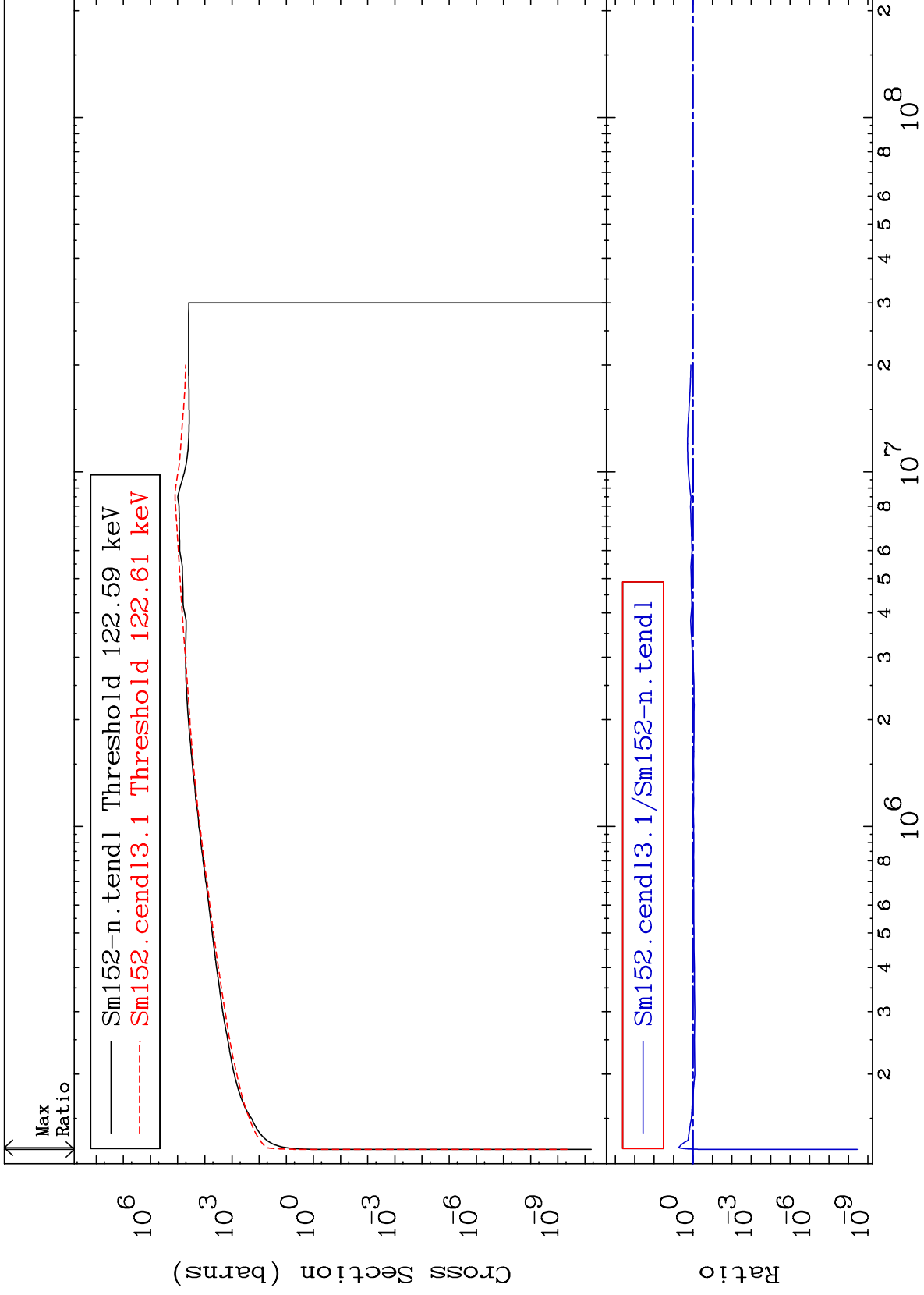
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa inelastic (mt51-91)  
Cross Section

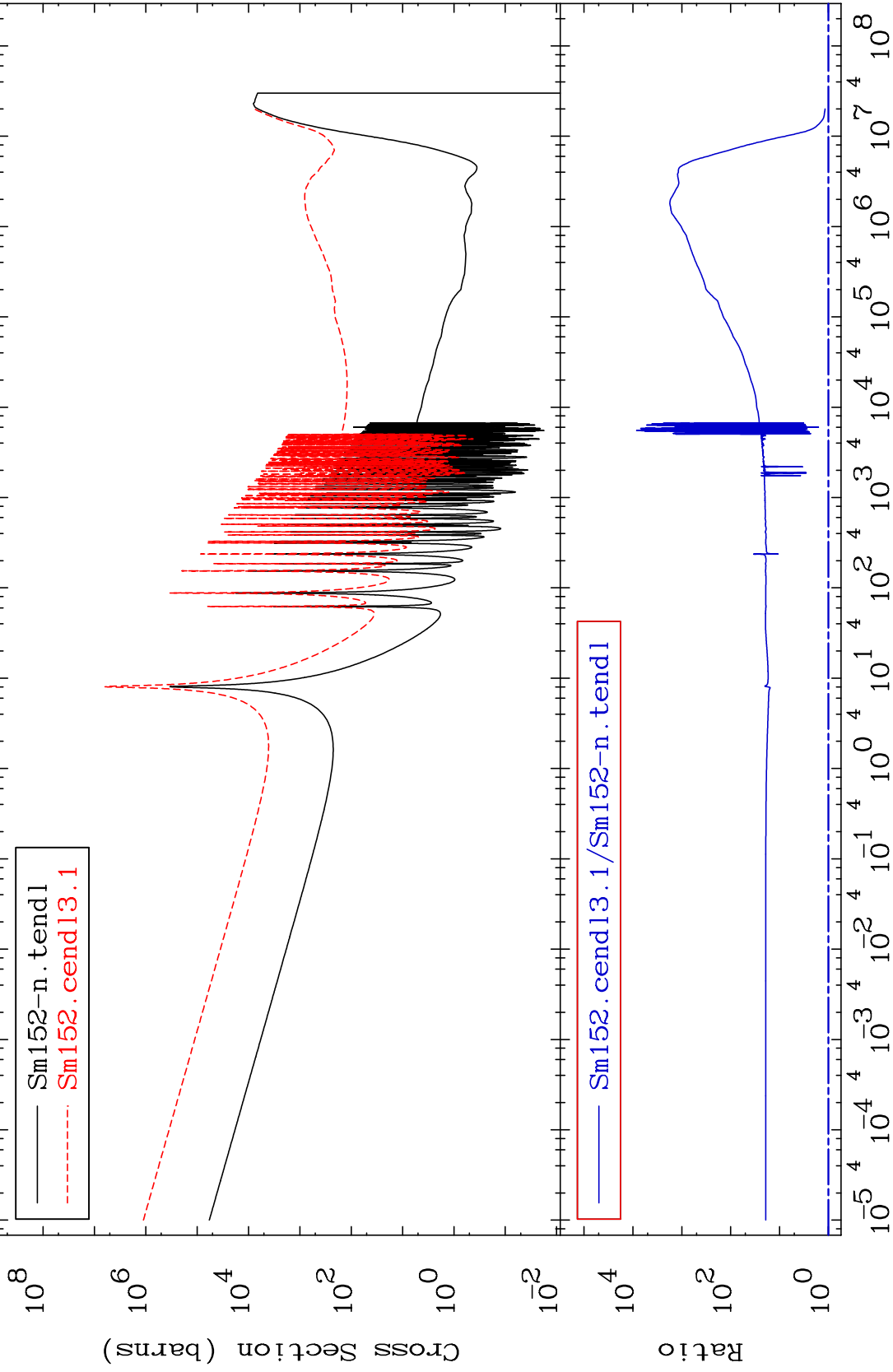
62-Sm-152  
-100.0 To 448.2 %



MAT 6249

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-152  
17.36 To 9999. %



48

Incident Energy (eV)

62-Sm-152