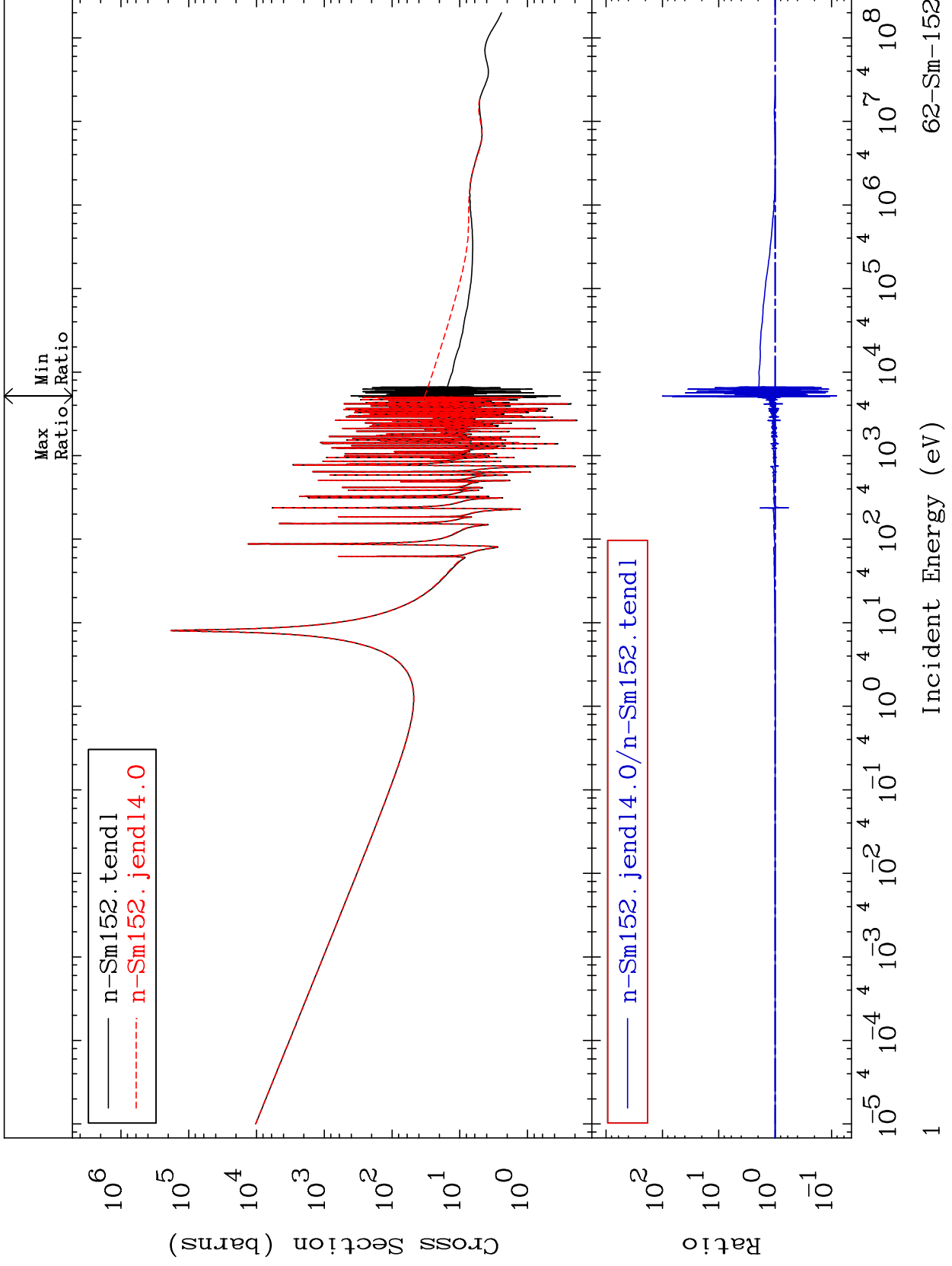


MAT 6249

Total  
Cross Section

62-Sm-152  
-91.90 To 9930. %

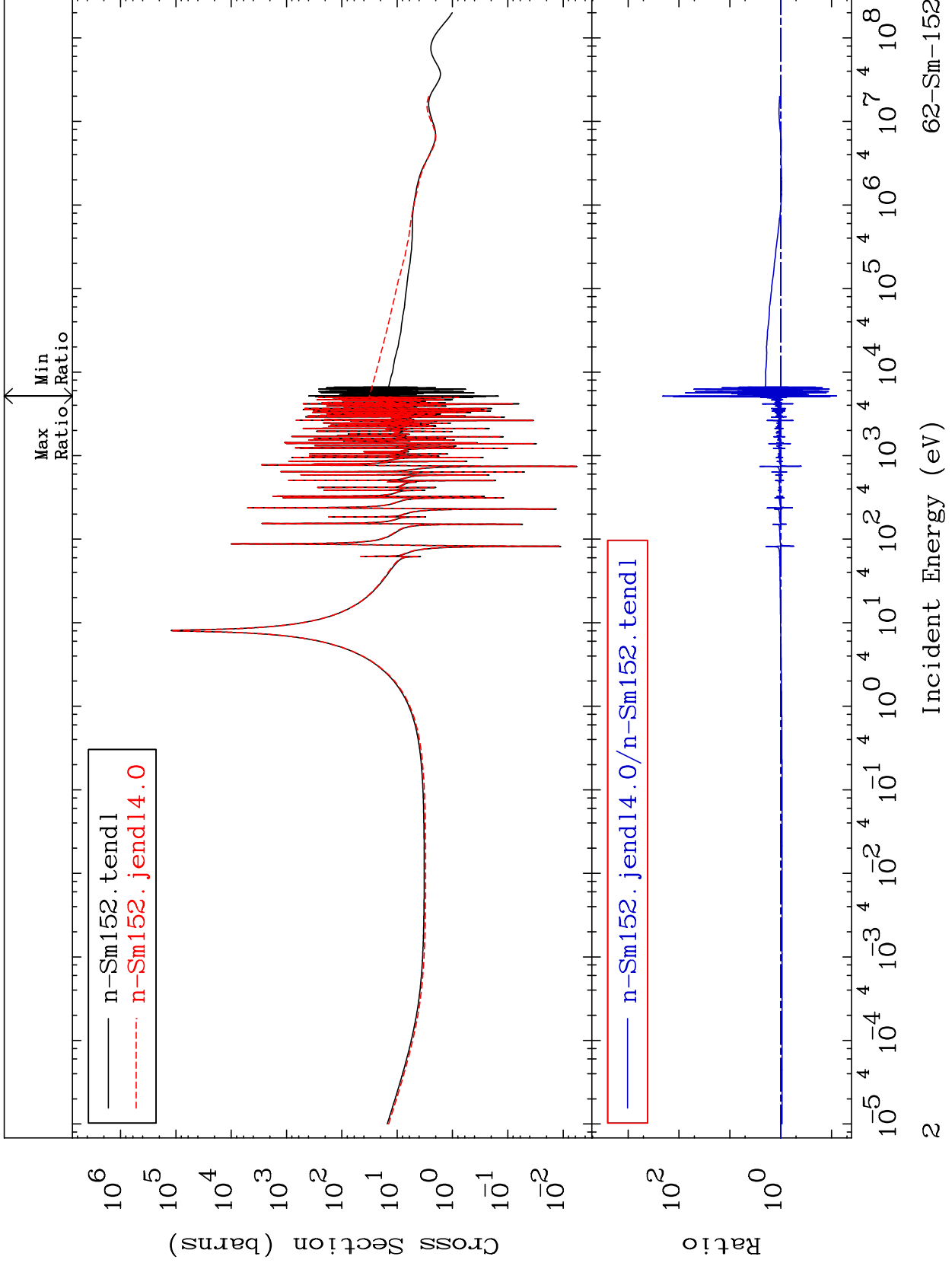


62-Sm-152

MAT 6249

Elastic  
Cross Section

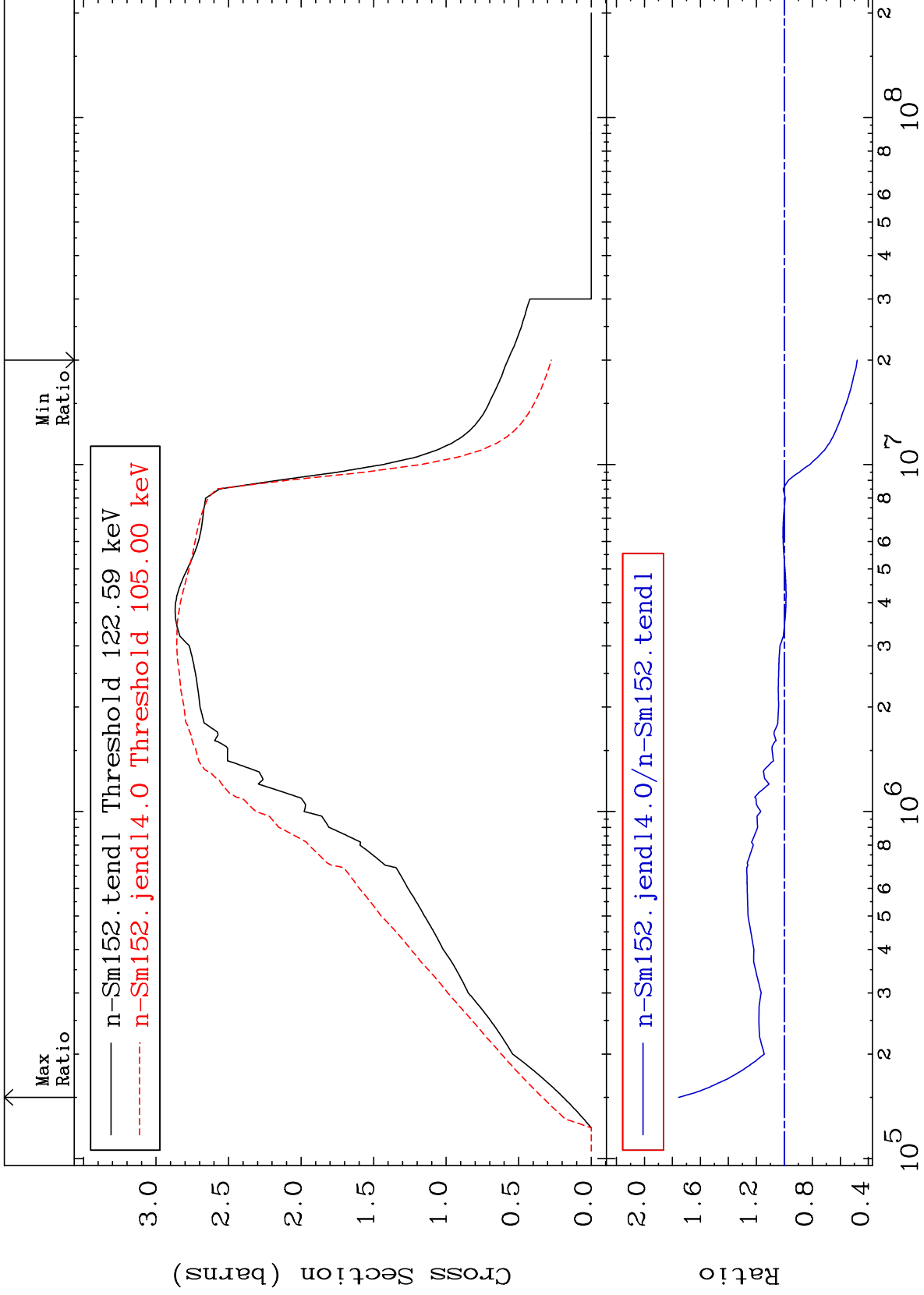
62-Sm-152  
-92.04 To 9999. %



MAT 6249

Inelastic  
Cross Section

62-Sm-152  
-52.11 To 75.56 %



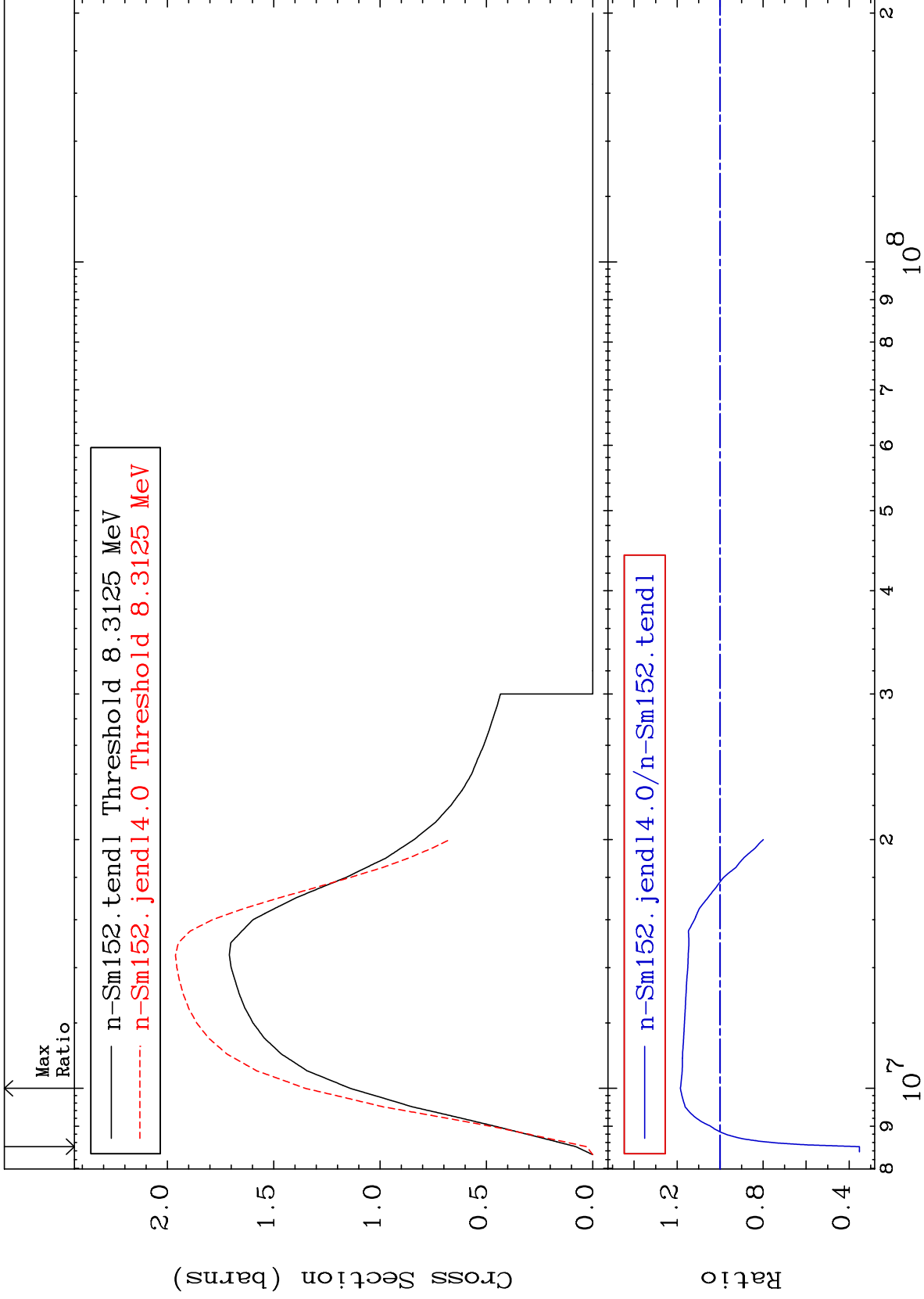
62-Sm-152

3

MAT 6249

(n,2n)  
Cross Section

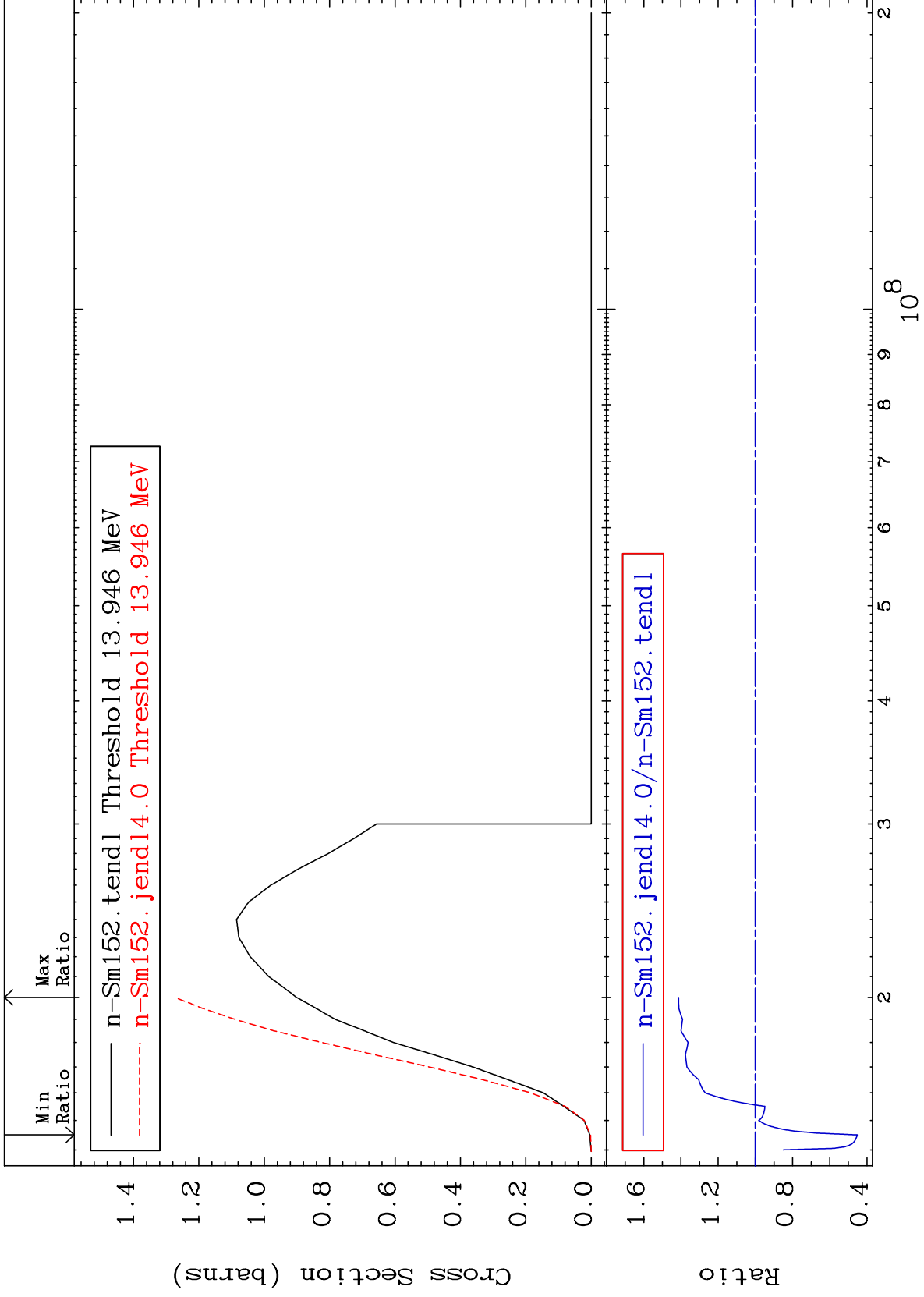
62-Sm-152  
-64.78 To 18.49 %



4

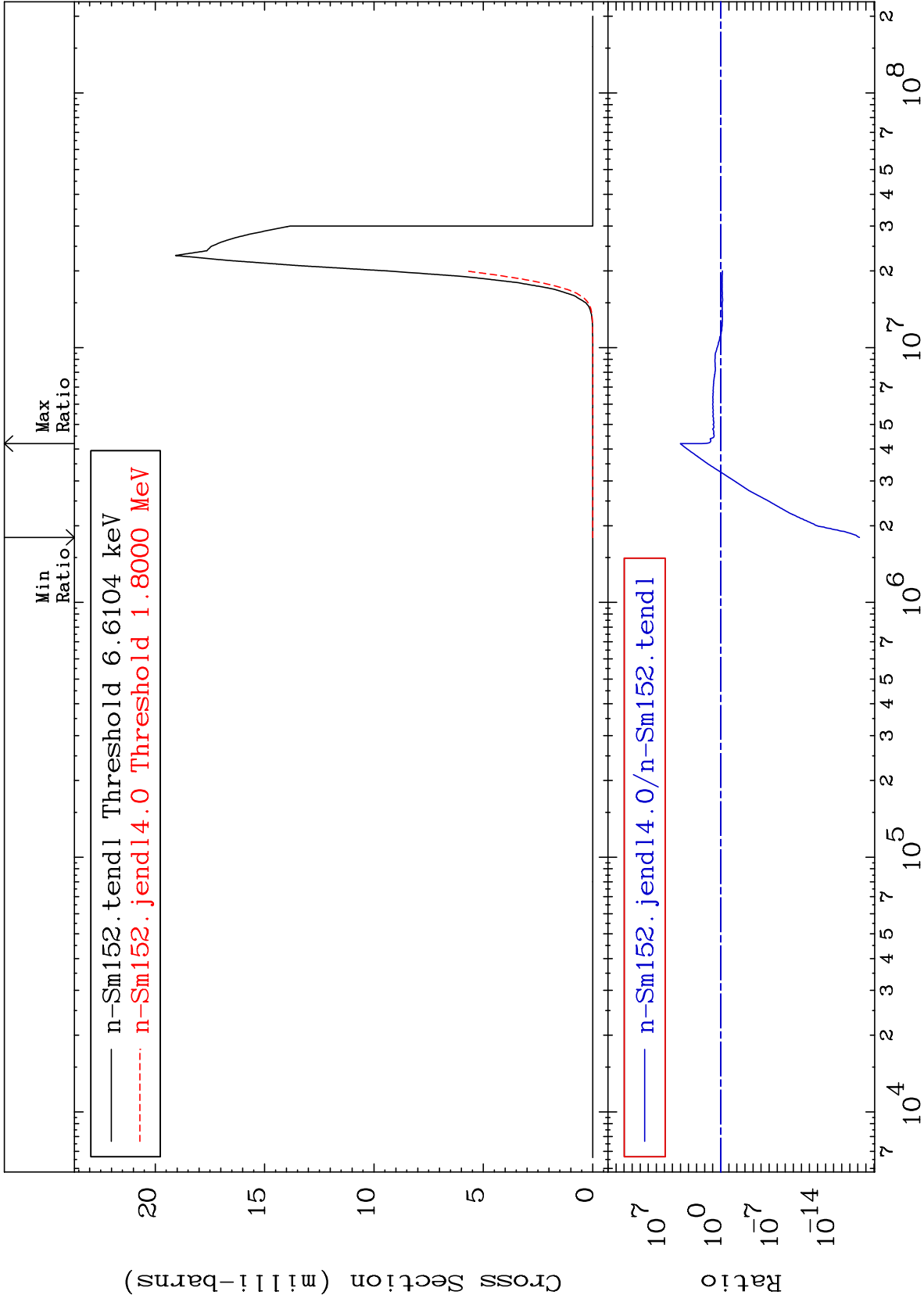
62-Sm-152

62-Sm-152



MAT 6249

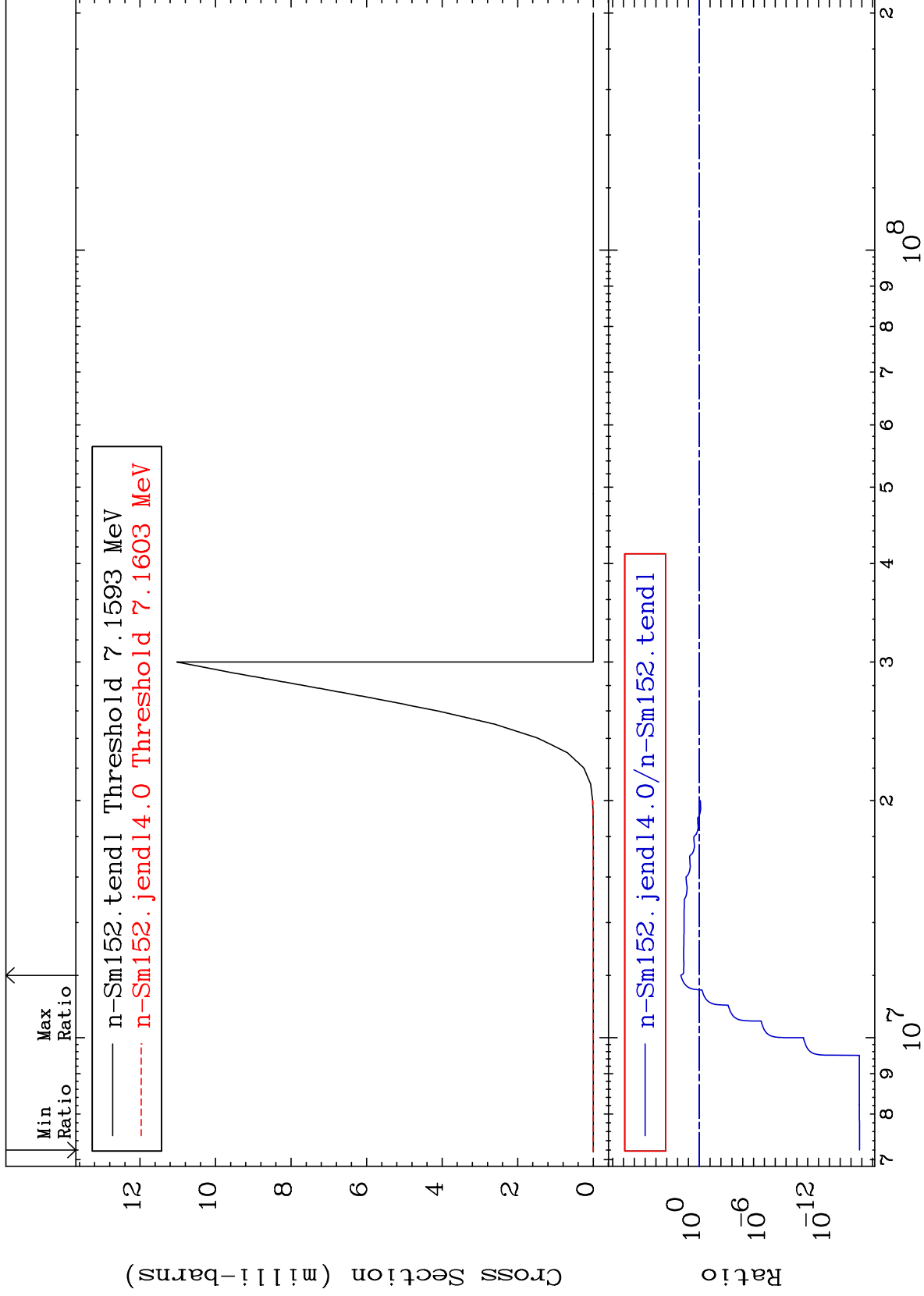
$(n, n') \alpha$   
Cross Section  
62-Sm-152  
-100.0 To 9999. %



MAT 6249

(n,2n)  $\alpha$   
Cross Section

62-Sm-152  
-100.0 To 5069. %



7

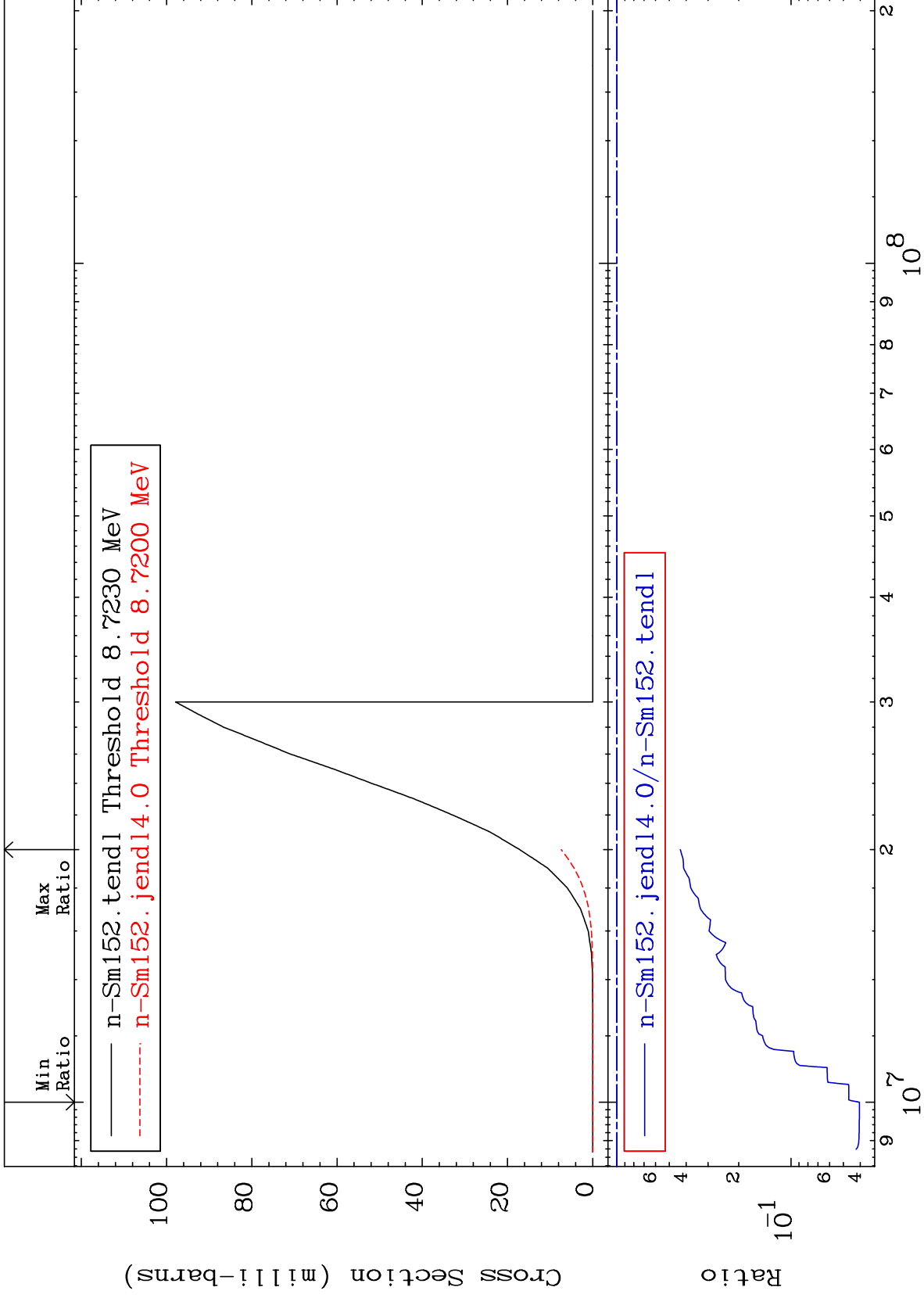
Incident Energy (eV)

62-Sm-152

MAT 6249

(n,n') p  
Cross Section

62-Sm-152  
-95.96 To -56.77%



8

62-Sm-152

62-Sm-152



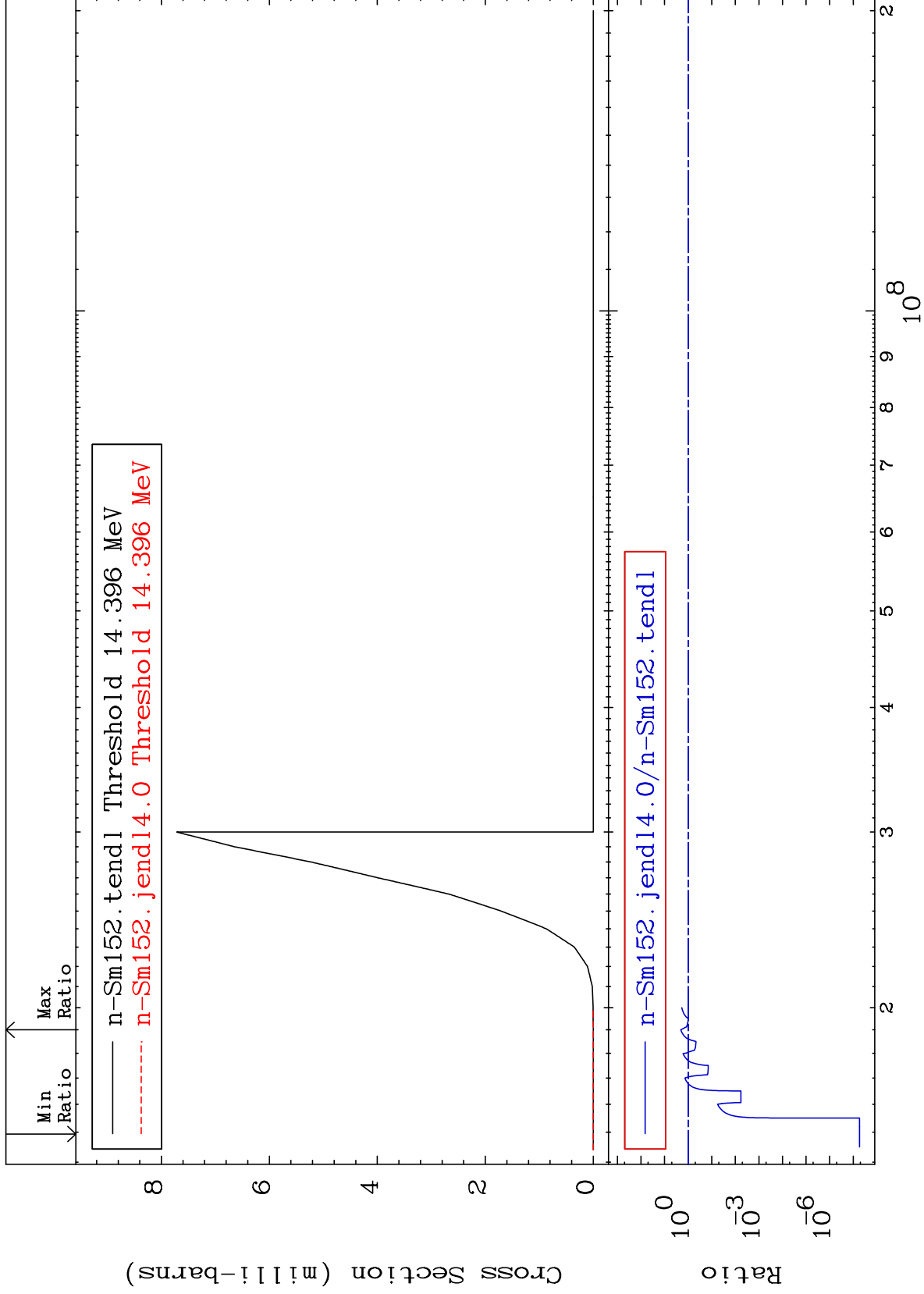
MAT 6249

(n,n') d

62-Sm-152

Cross Section

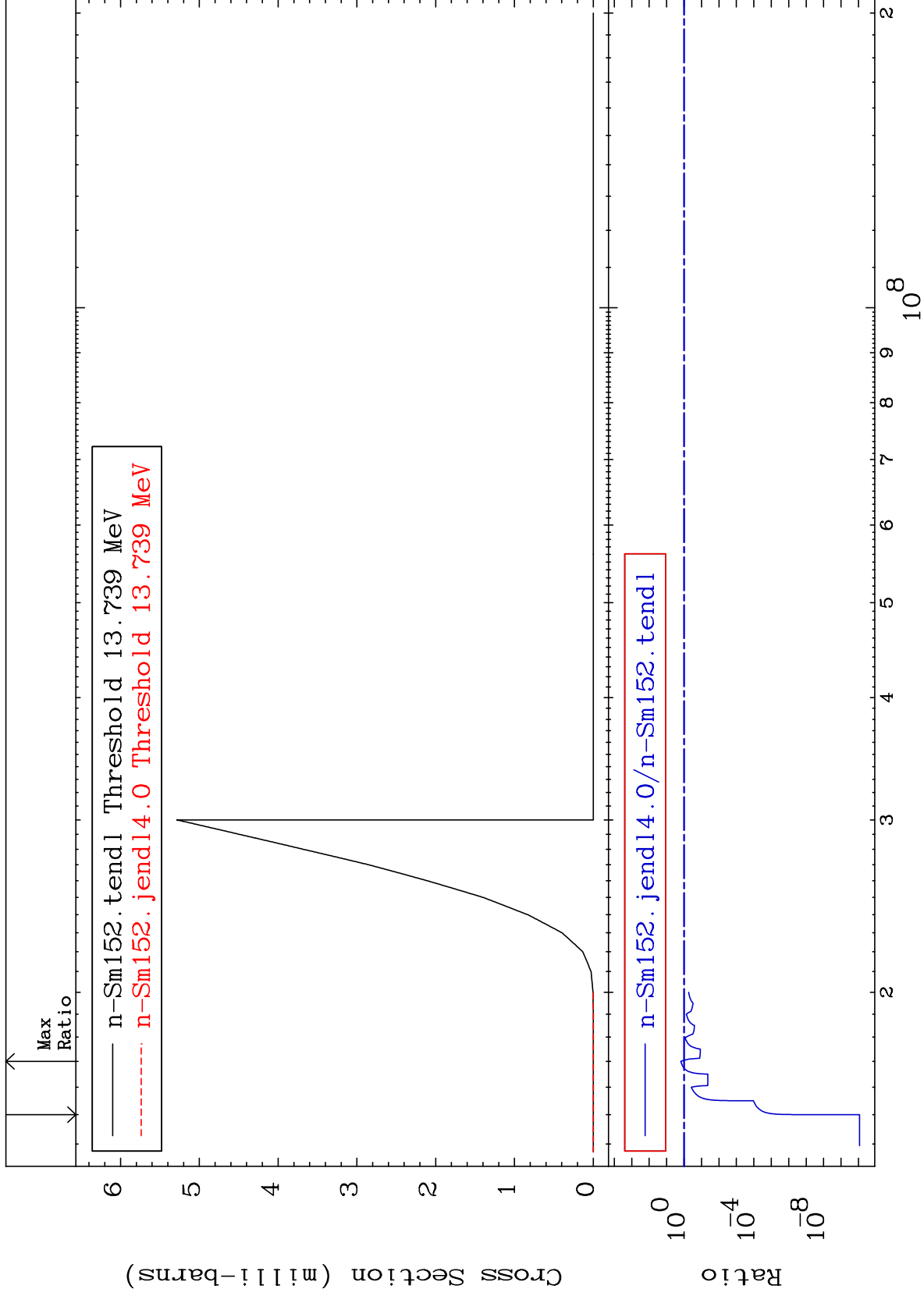
-100.0 To 105.8 %



MAT 6249

(n,n') t  
Cross Section

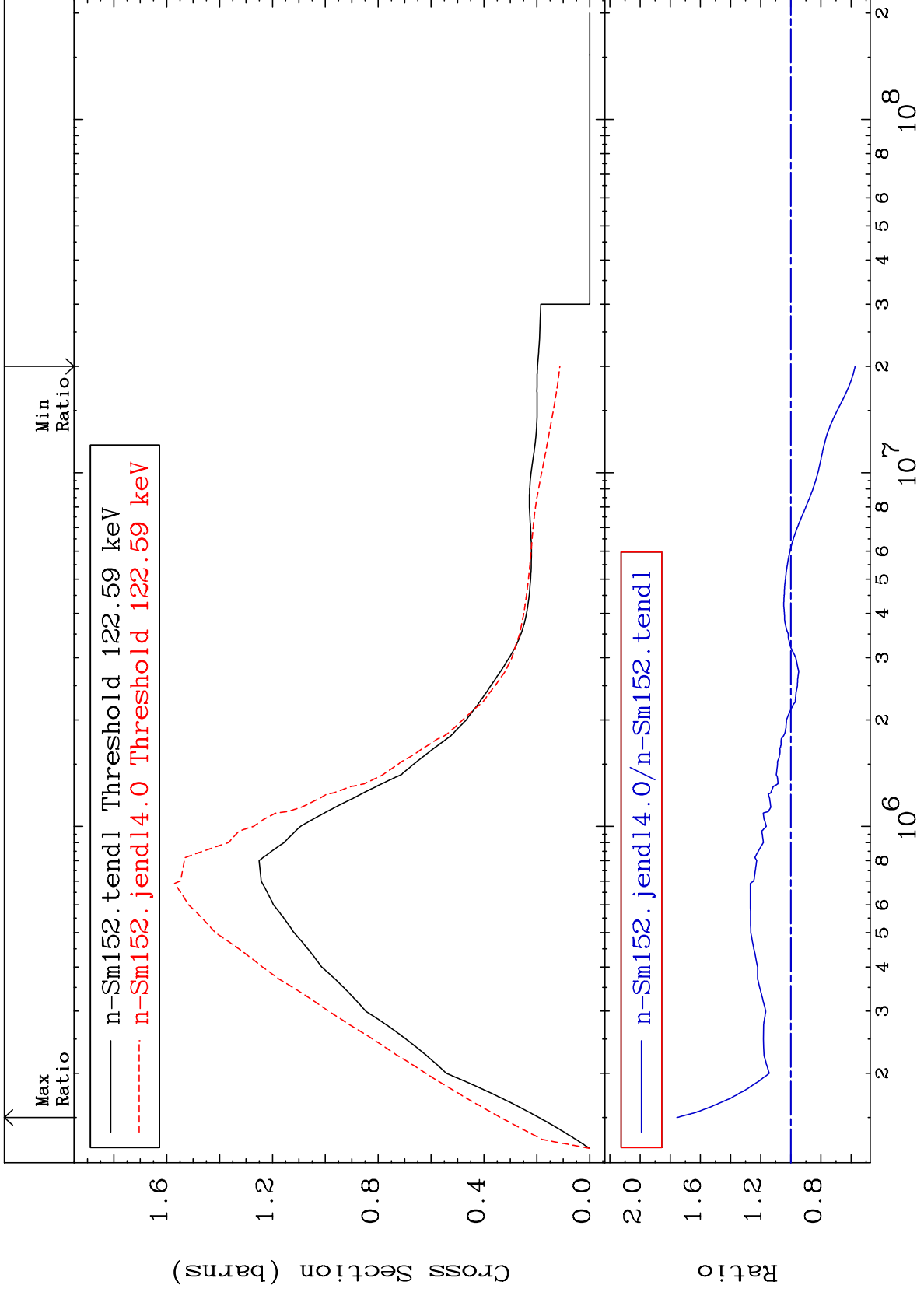
62-Sm-152  
-100.0 To 54.11 %



MAT 6249

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

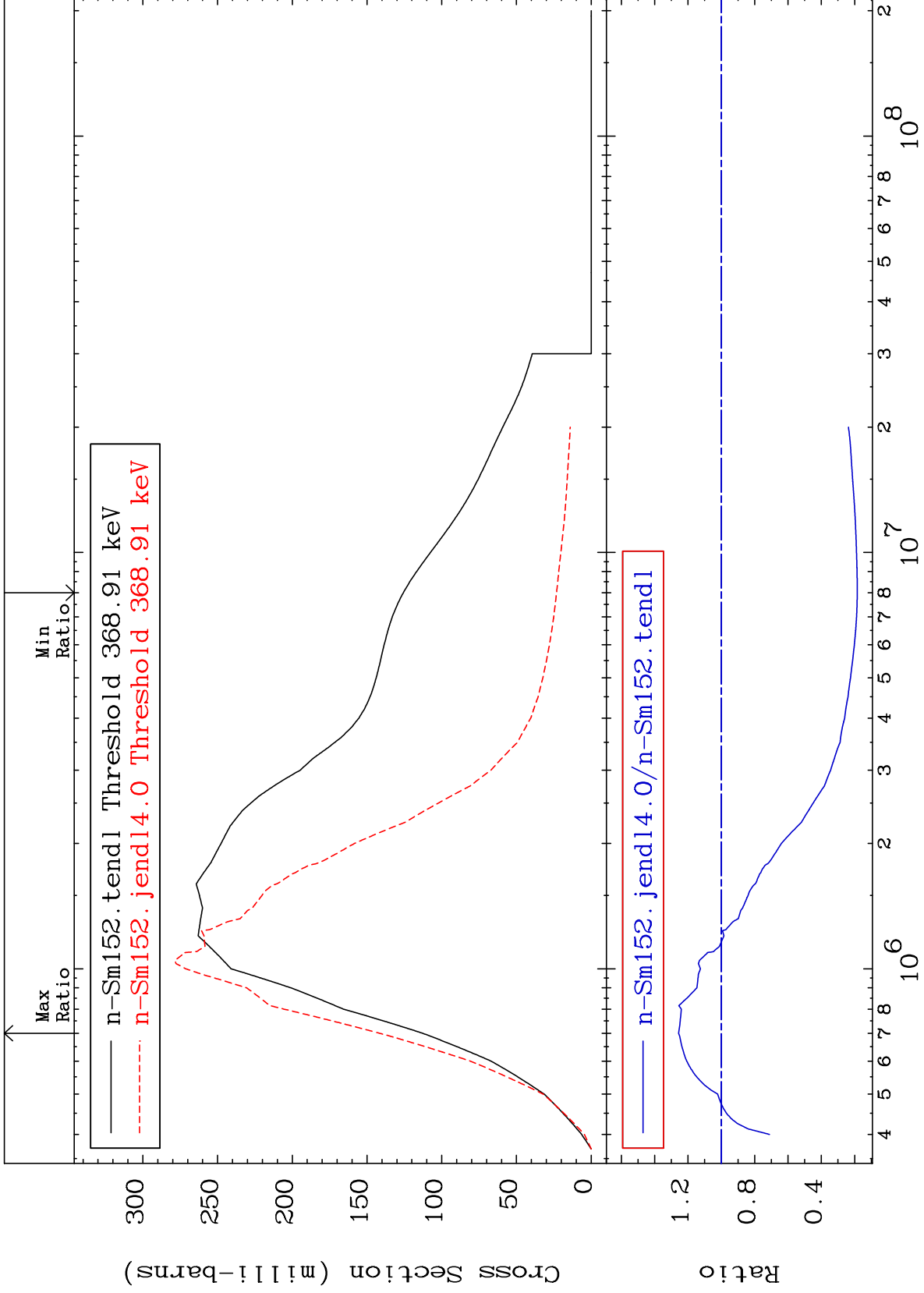
62-Sm-152  
-42.67 To 75.56 %



MAT 6249

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

62-Sm-152  
-81.56 To 25.62 %



12

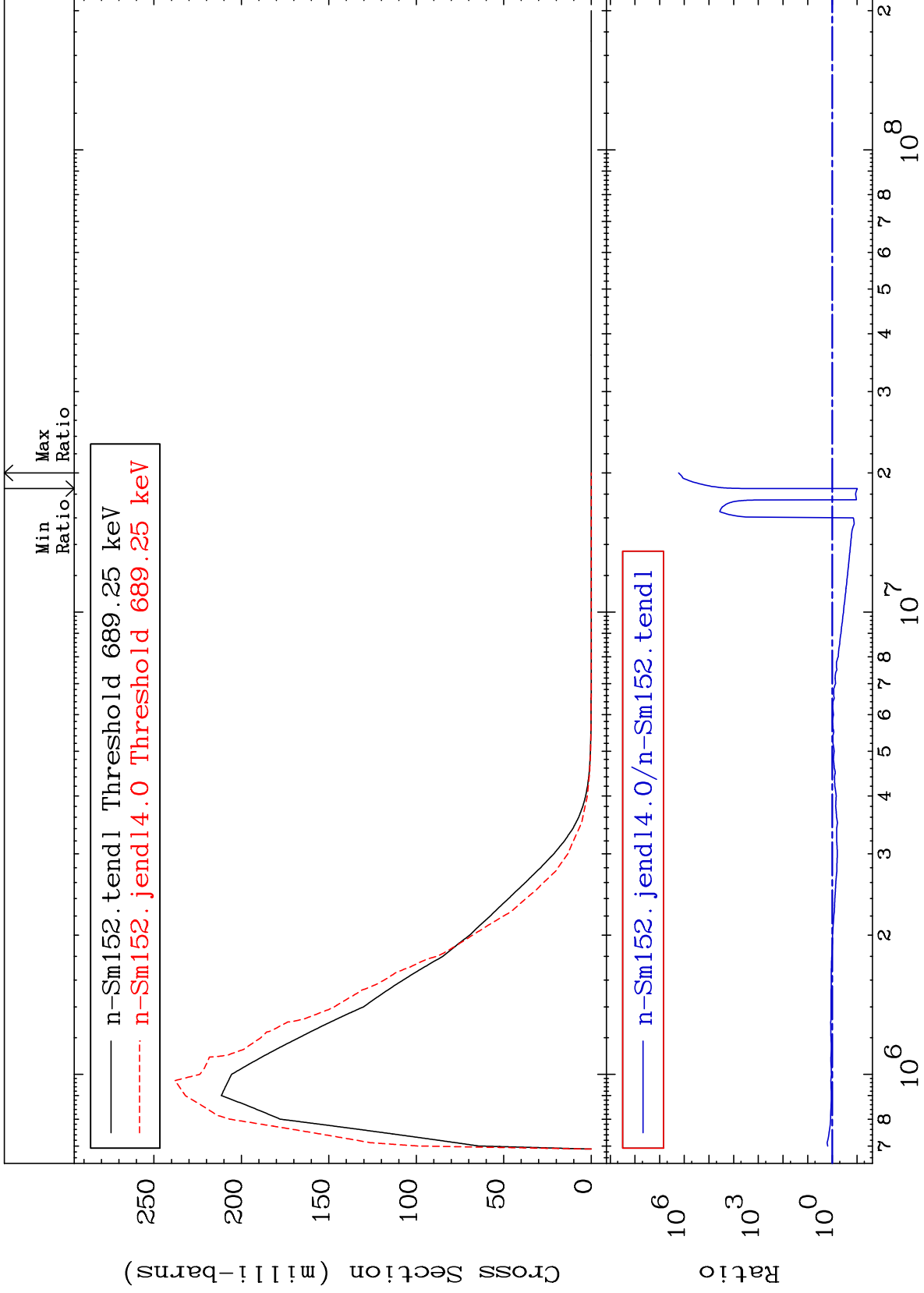
Incident Energy (eV)

62-Sm-152

MAT 6249

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

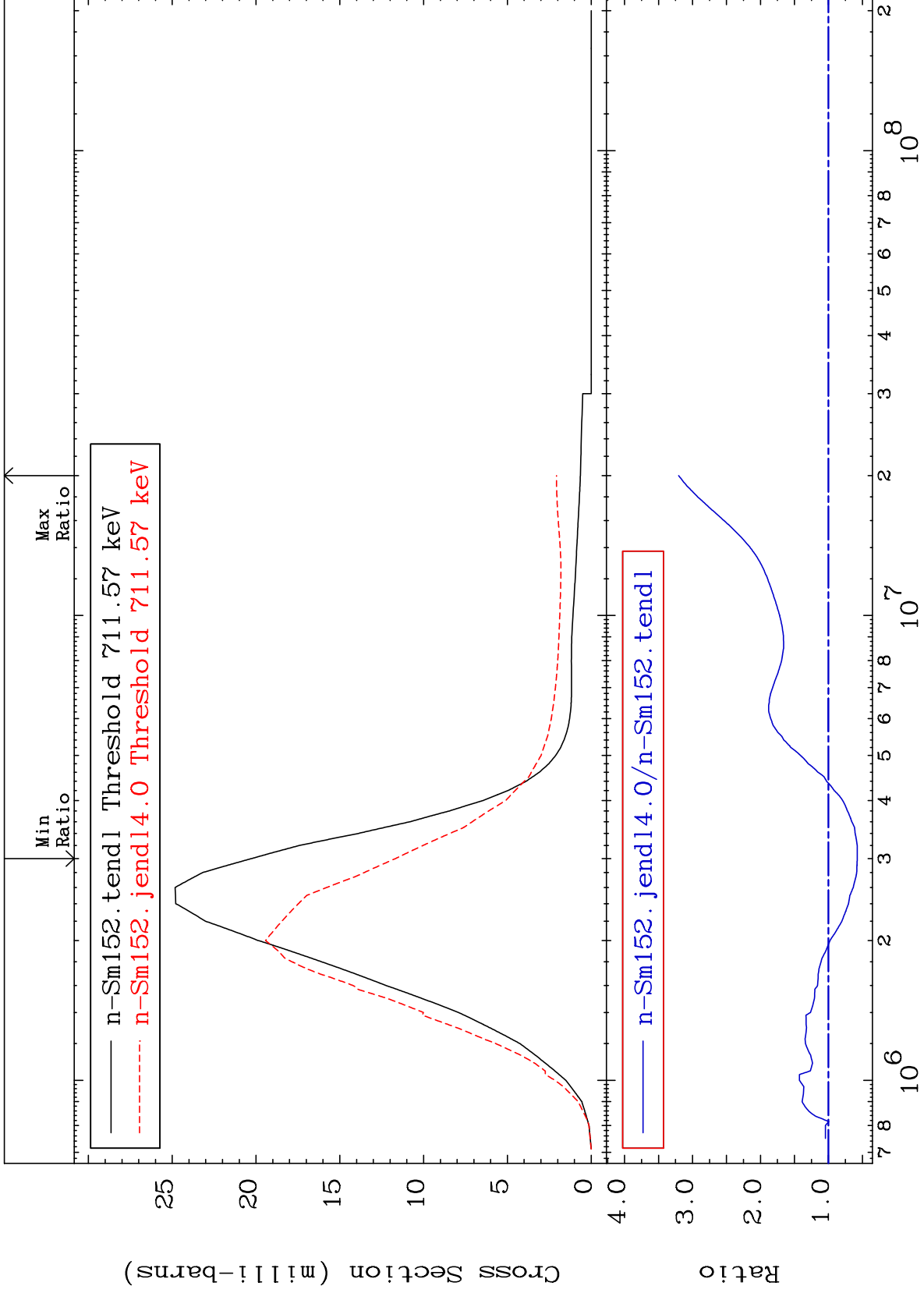
62-Sm-152  
-90.24 To 9999. %



MAT 6249

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

62-Sm-152  
-42.40 To 220.4 %



14

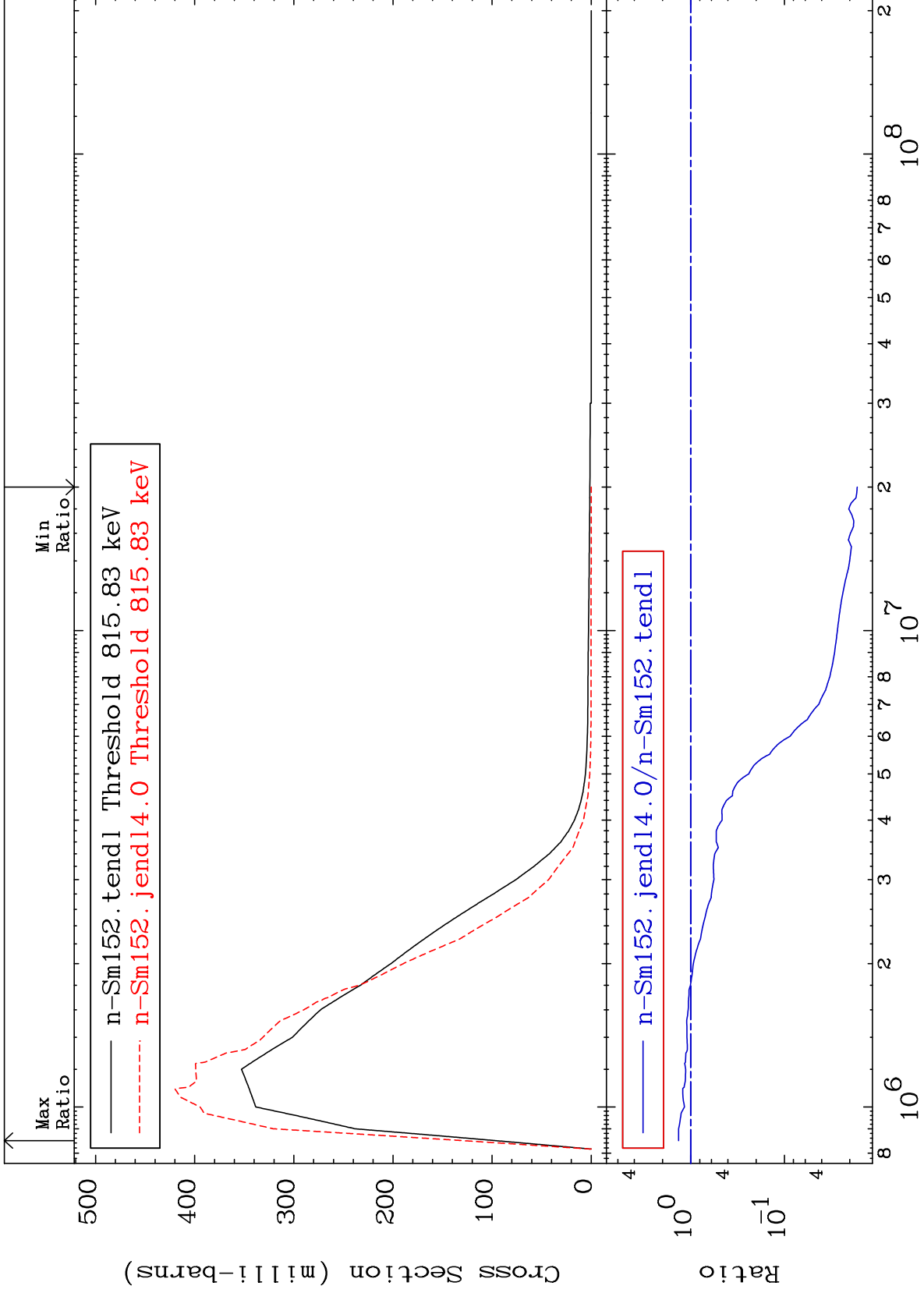
Incident Energy (eV)

62-Sm-152

MAT 6249

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

62-Sm-152  
-98.33 To 34.55 %



15

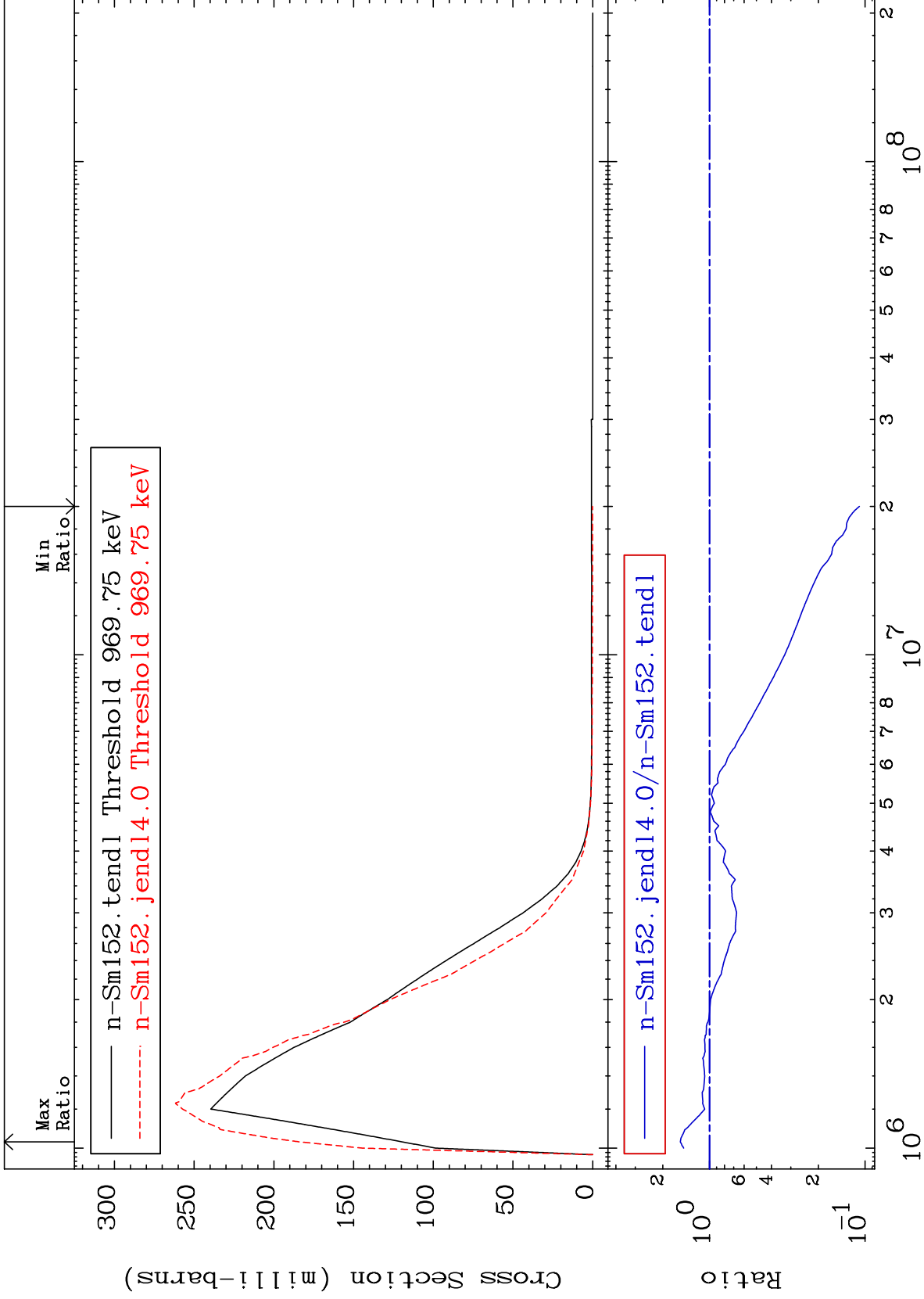
Incident Energy (eV)

62-Sm-152

MAT 6249

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

62-Sm-152  
-89.13 To 54.06 %



16

Incident Energy (eV)

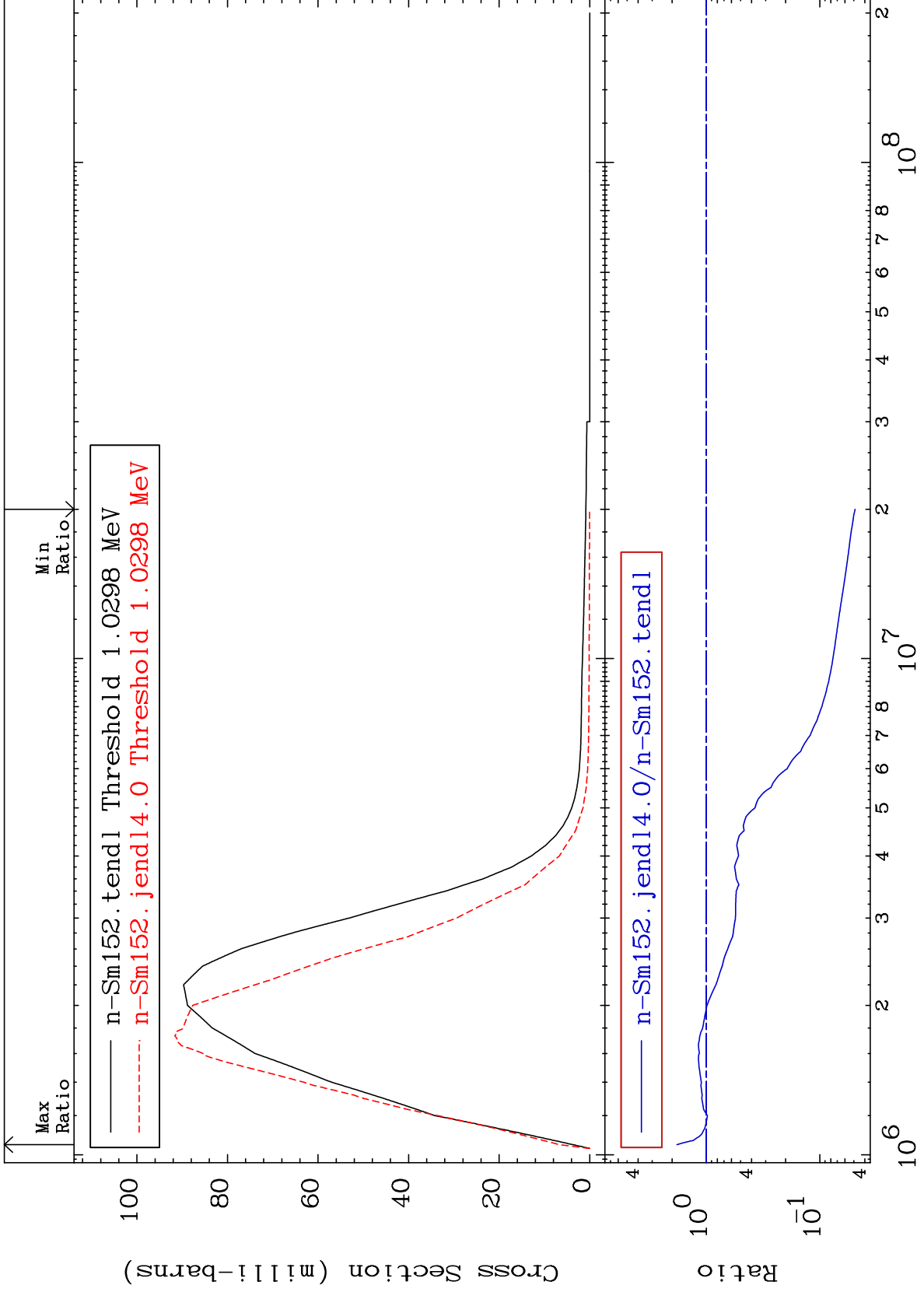
62-Sm-152



MAT 6249

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

62-Sm-152  
-95.12 To 81.71 %



17

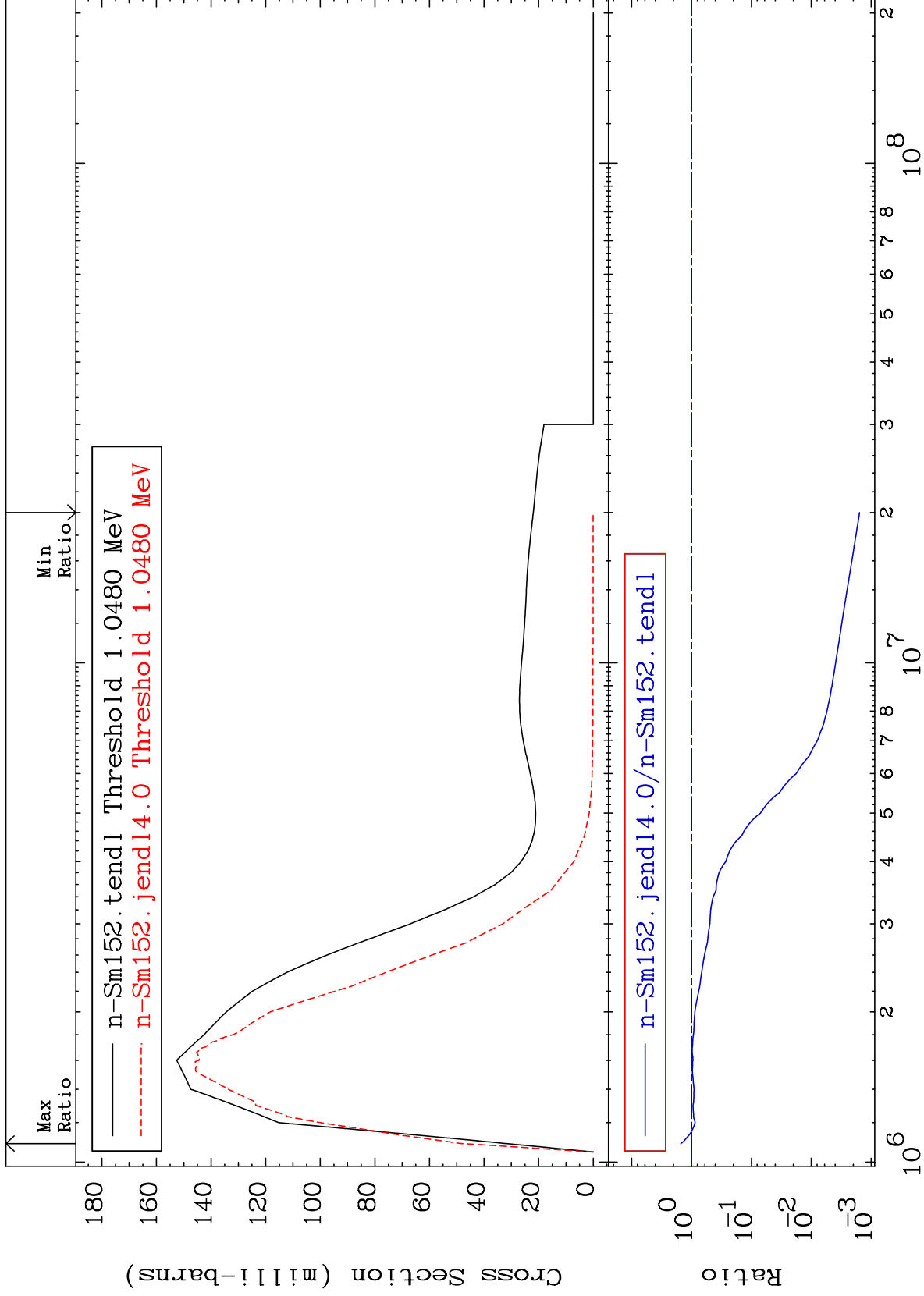
Incident Energy (eV)

62-Sm-152

MAT 6249

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

62-Sm-152  
-99.84 To 50.92 %



Incident Energy (eV)

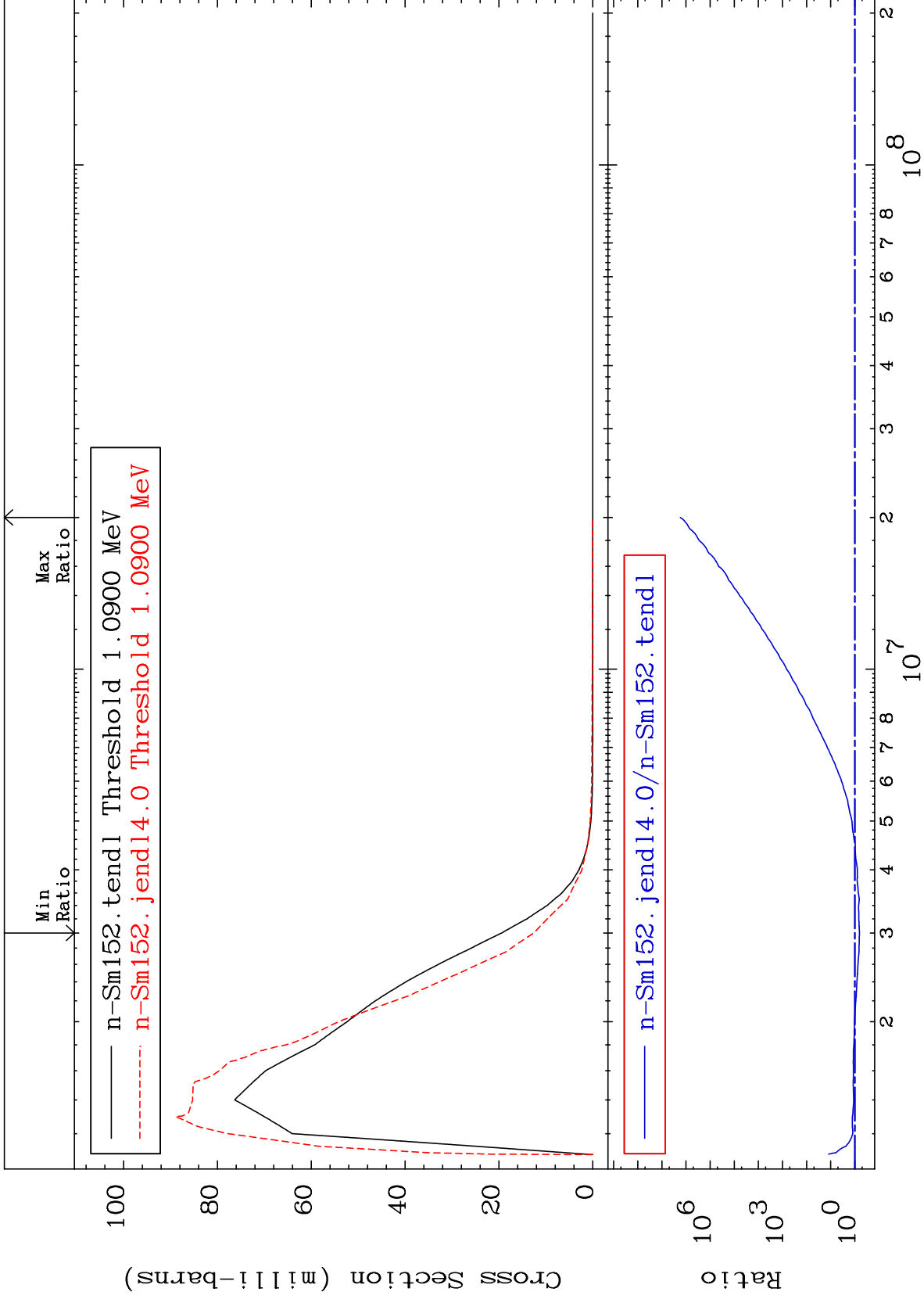
62-Sm-152

18

MAT 6249

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

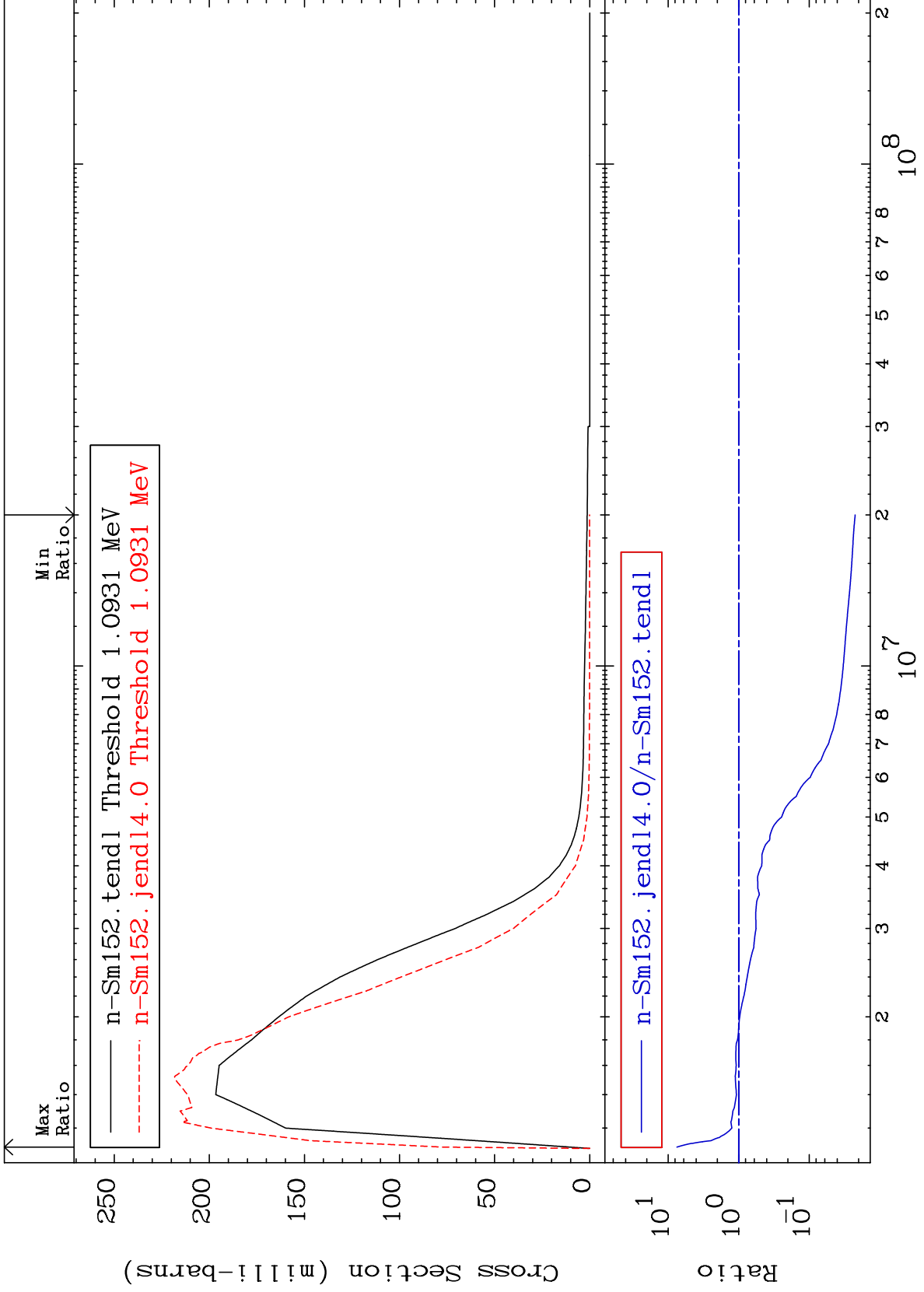
62-Sm-152  
-35.35 To 9999. %



MAT 6249

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

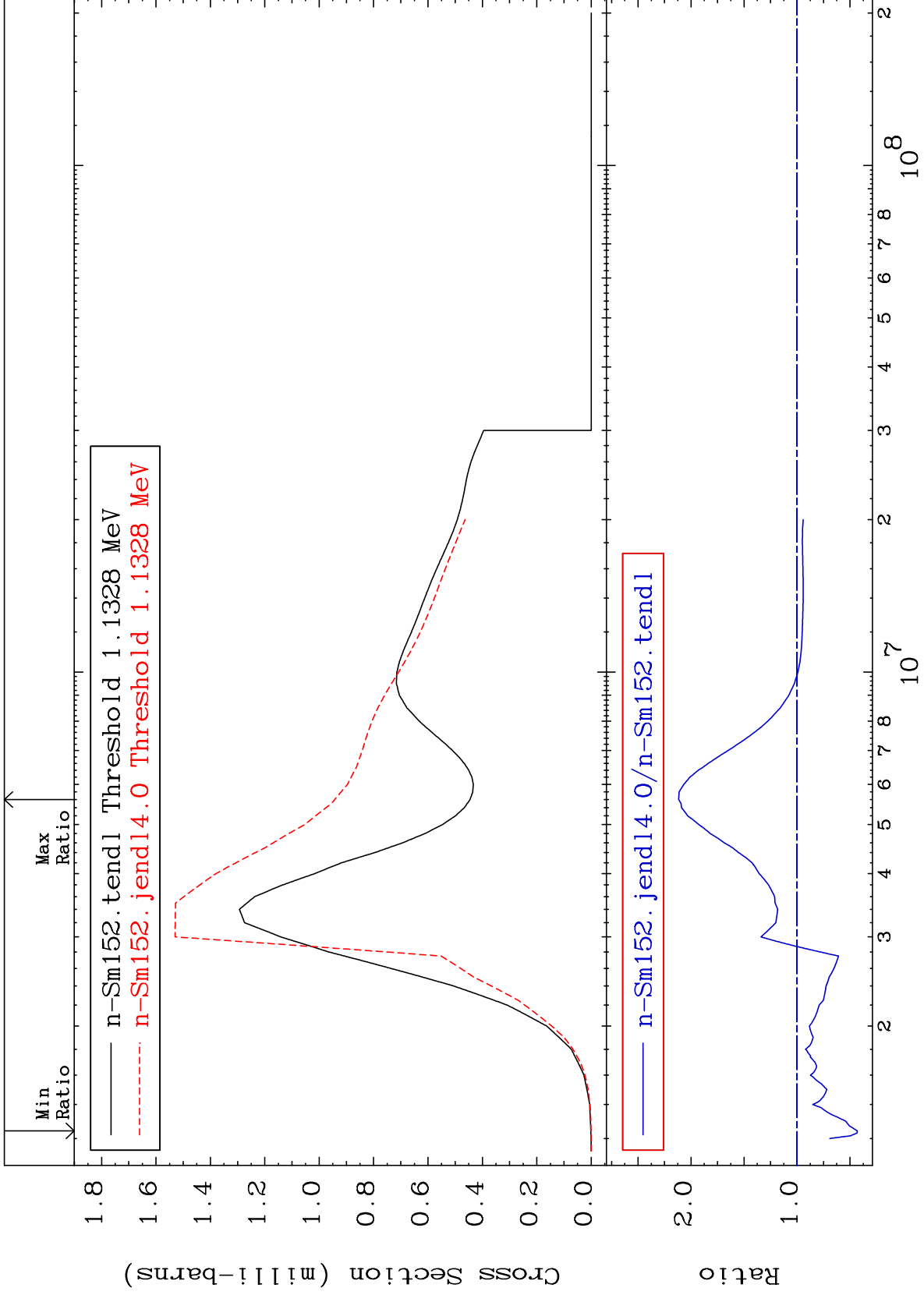
62-Sm-152  
-97.76 To 649.3 %



MAT 6249

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

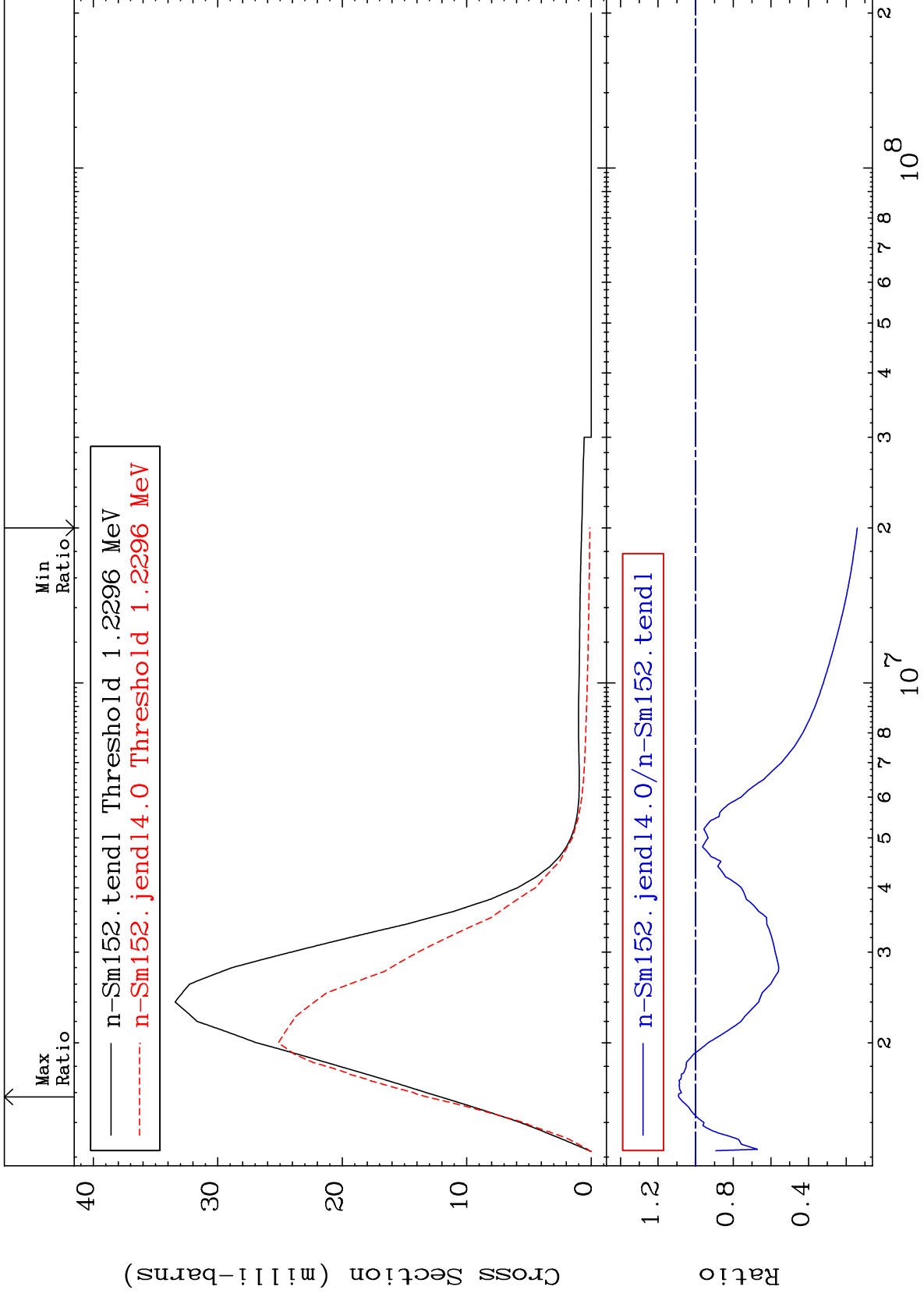
62-Sm-152  
-56.85 To 111.7 %



MAT 6249

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

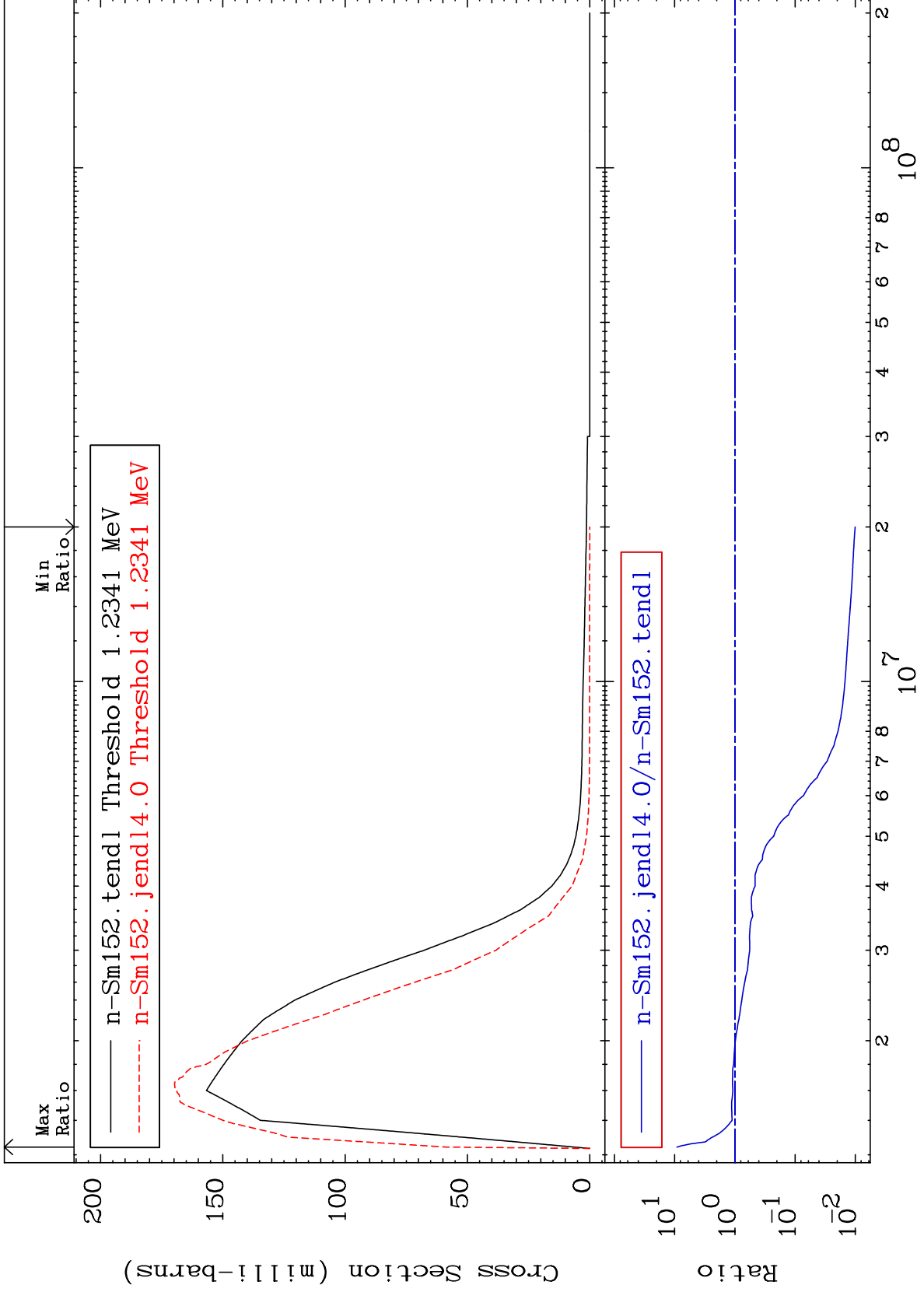
62-Sm-152  
-85.91 To 9.074 %



MAT 6249

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

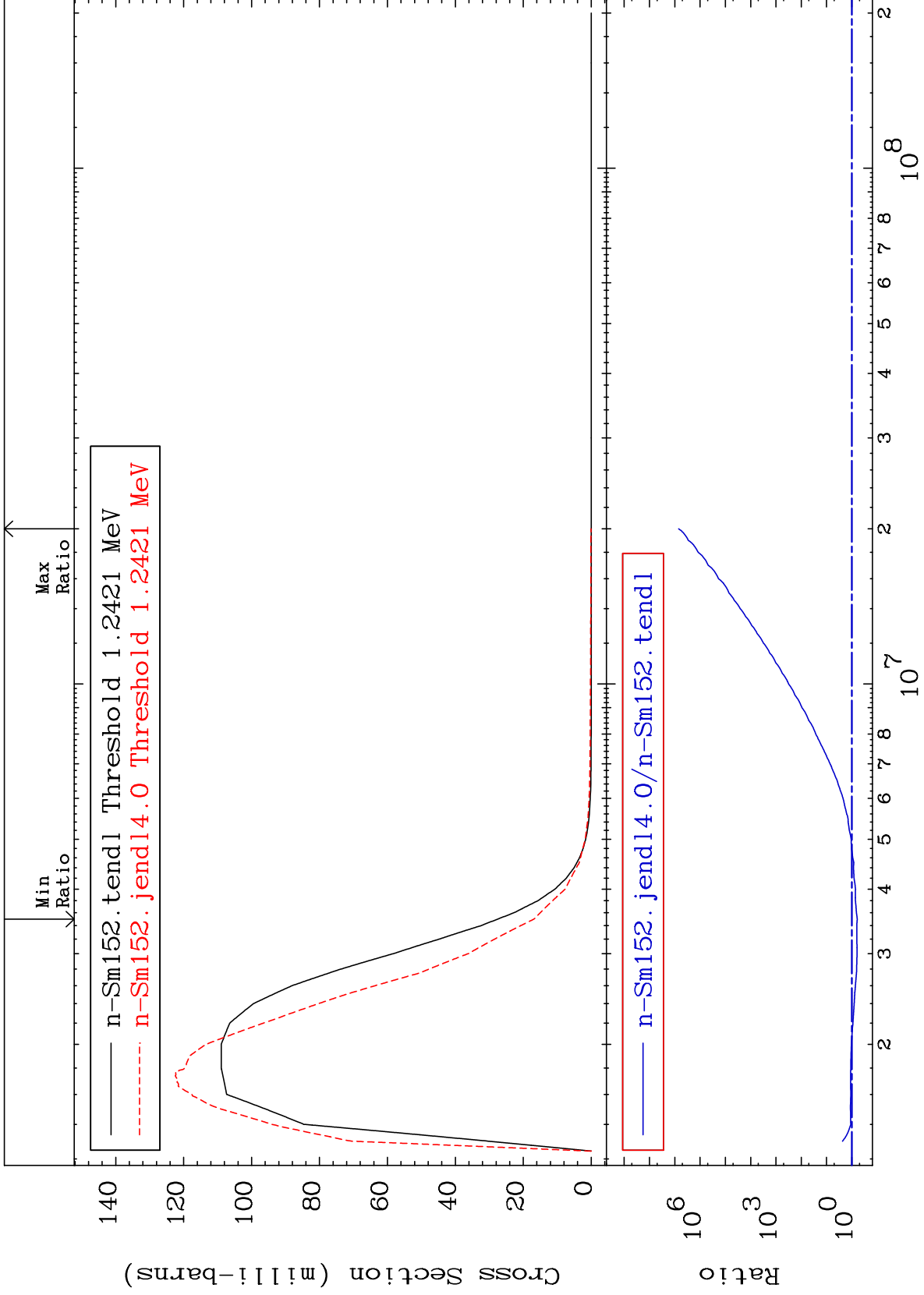
62-Sm-152  
-98.99 To 816.2 %



MAT 6249

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

62-Sm-152  
-38.84 To 9999. %

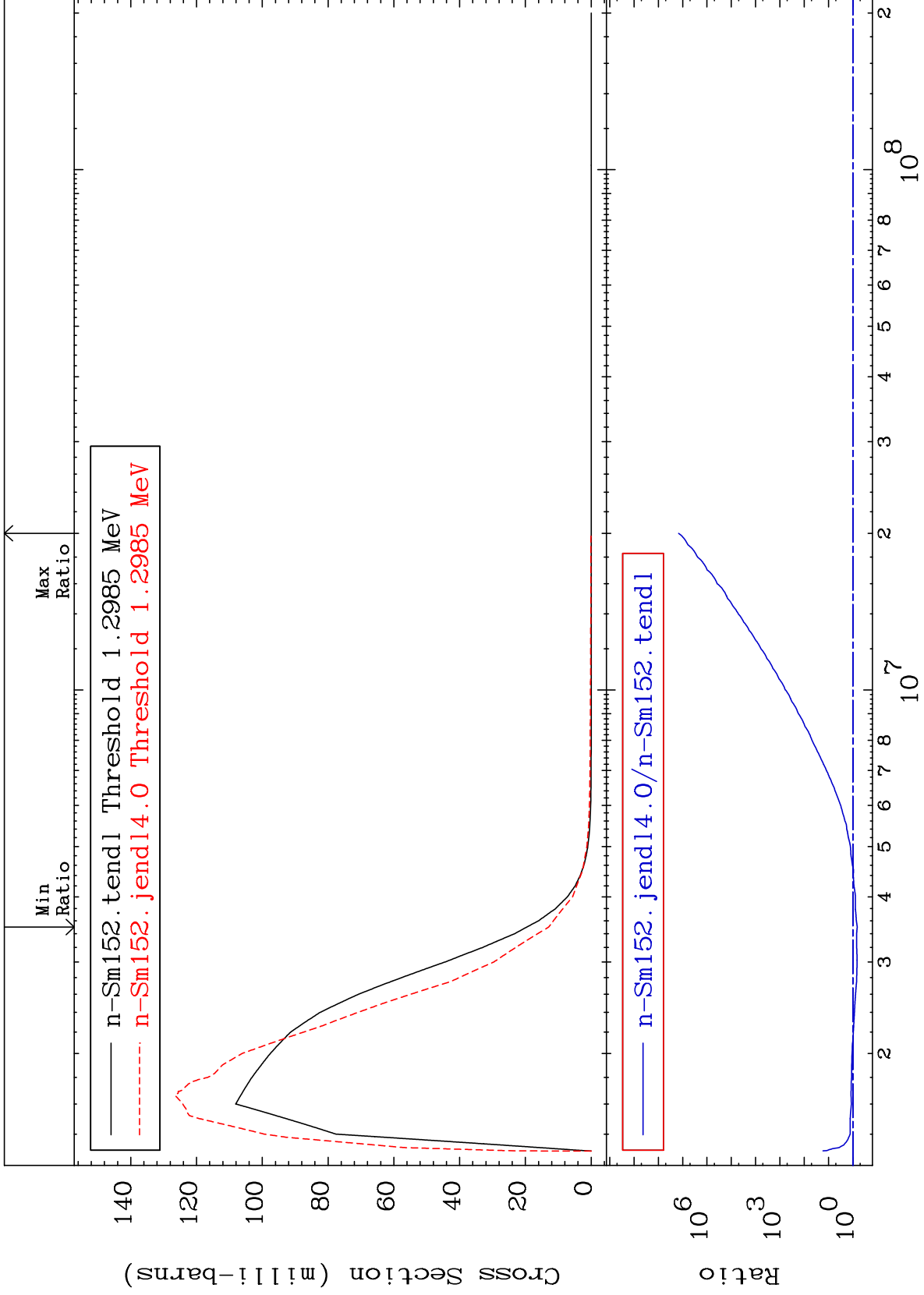




MAT 6249

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

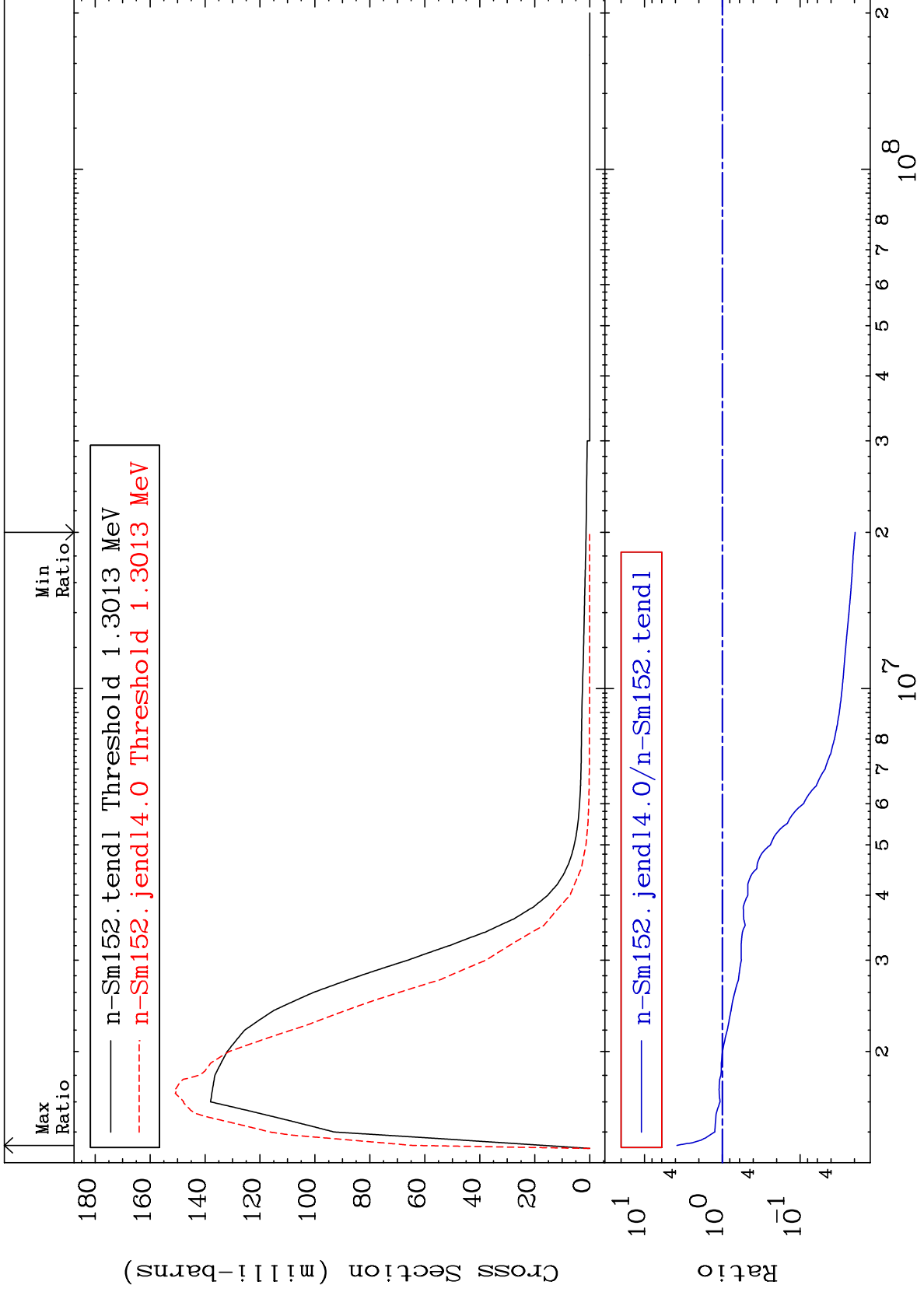
62-Sm-152  
-34.04 To 9999. %



MAT 6249

MT= 66 (n,n') Level  
Cross Section

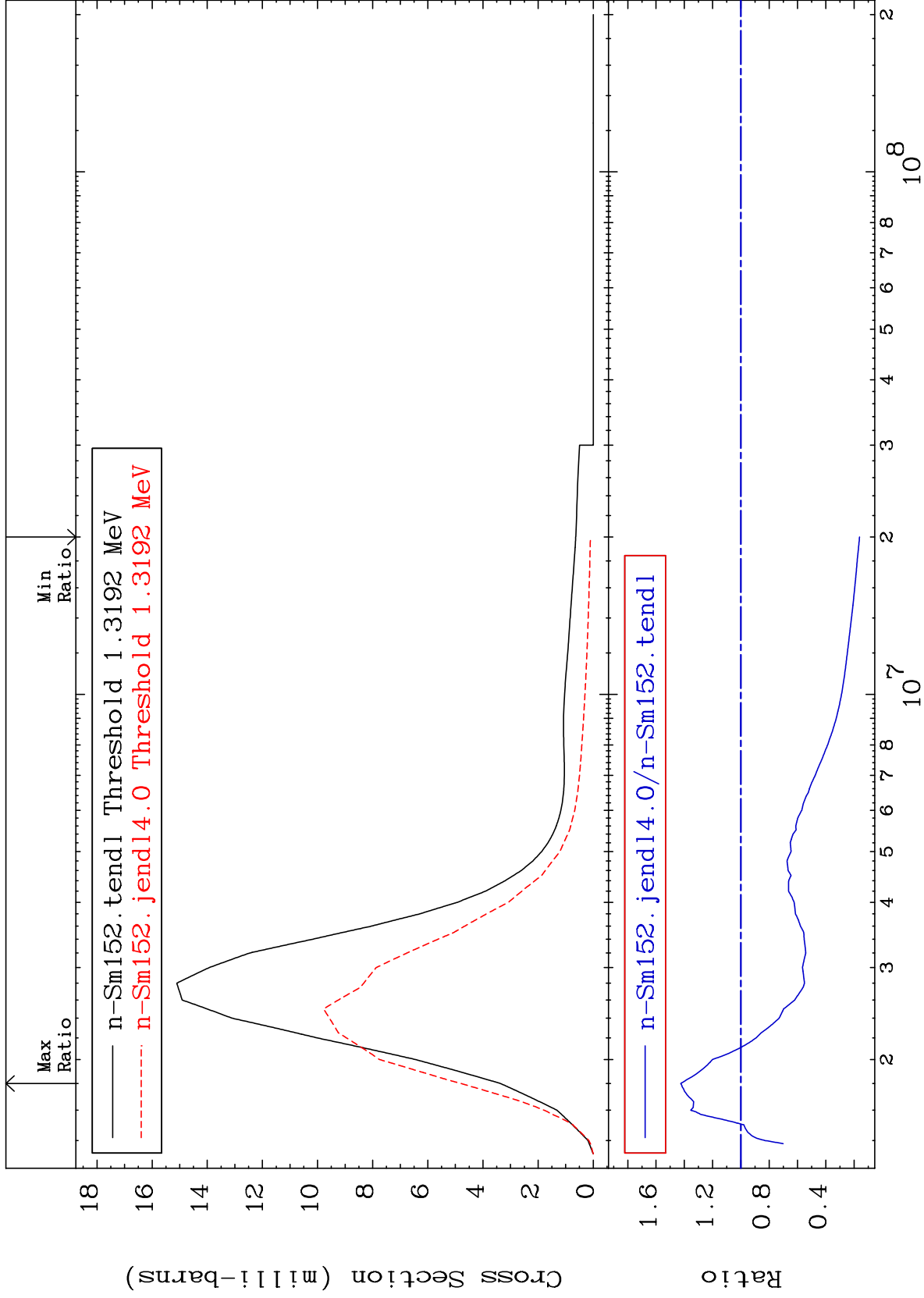
62-Sm-152  
-98.04 To 283.3 %



MAT 6249

MT= 67 (n, n') Level  
Cross Section

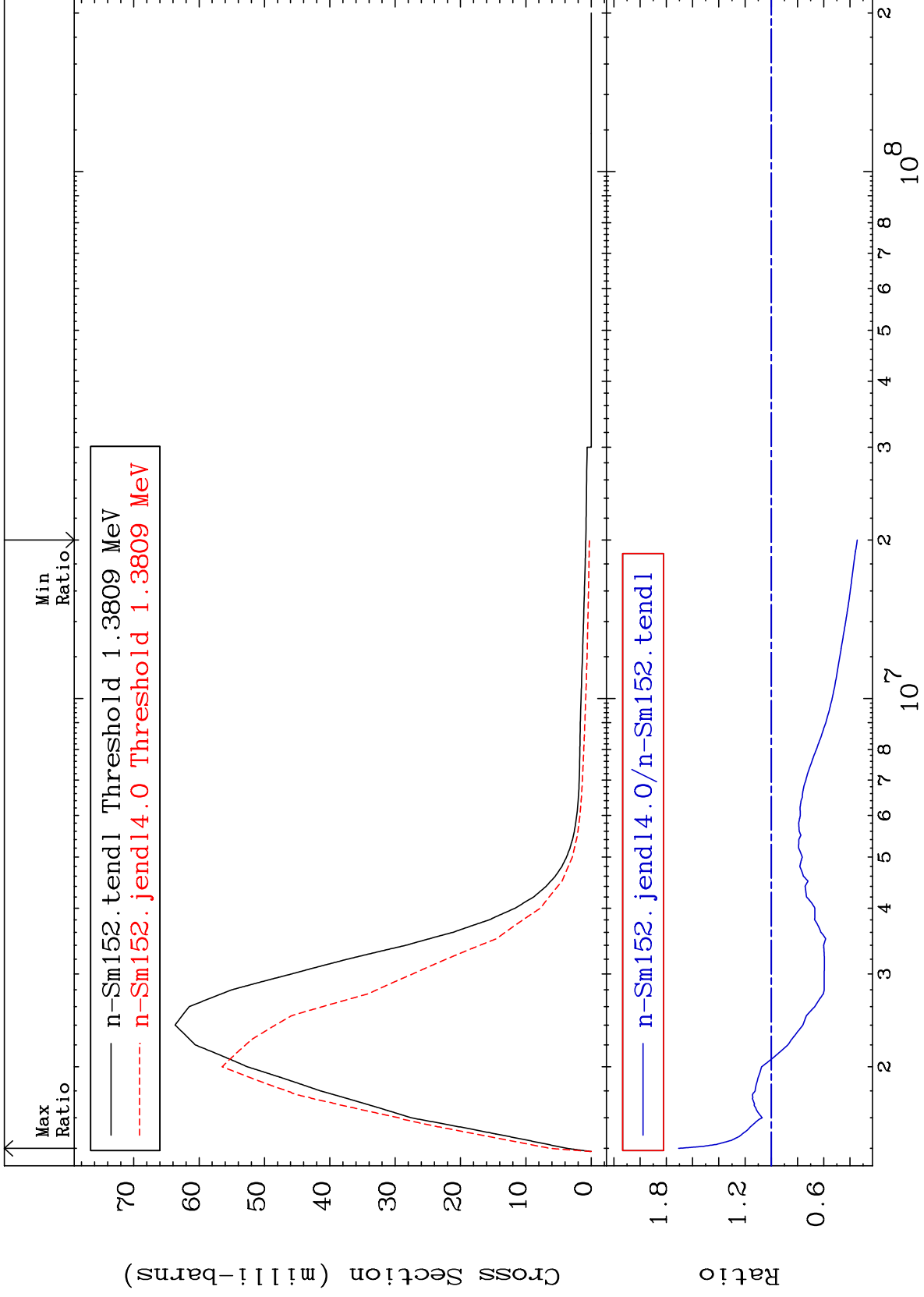
62-Sm-152  
-83.81 To 42.53 %



MAT 6249

MT= 68 (n,n') Level  
Cross Section

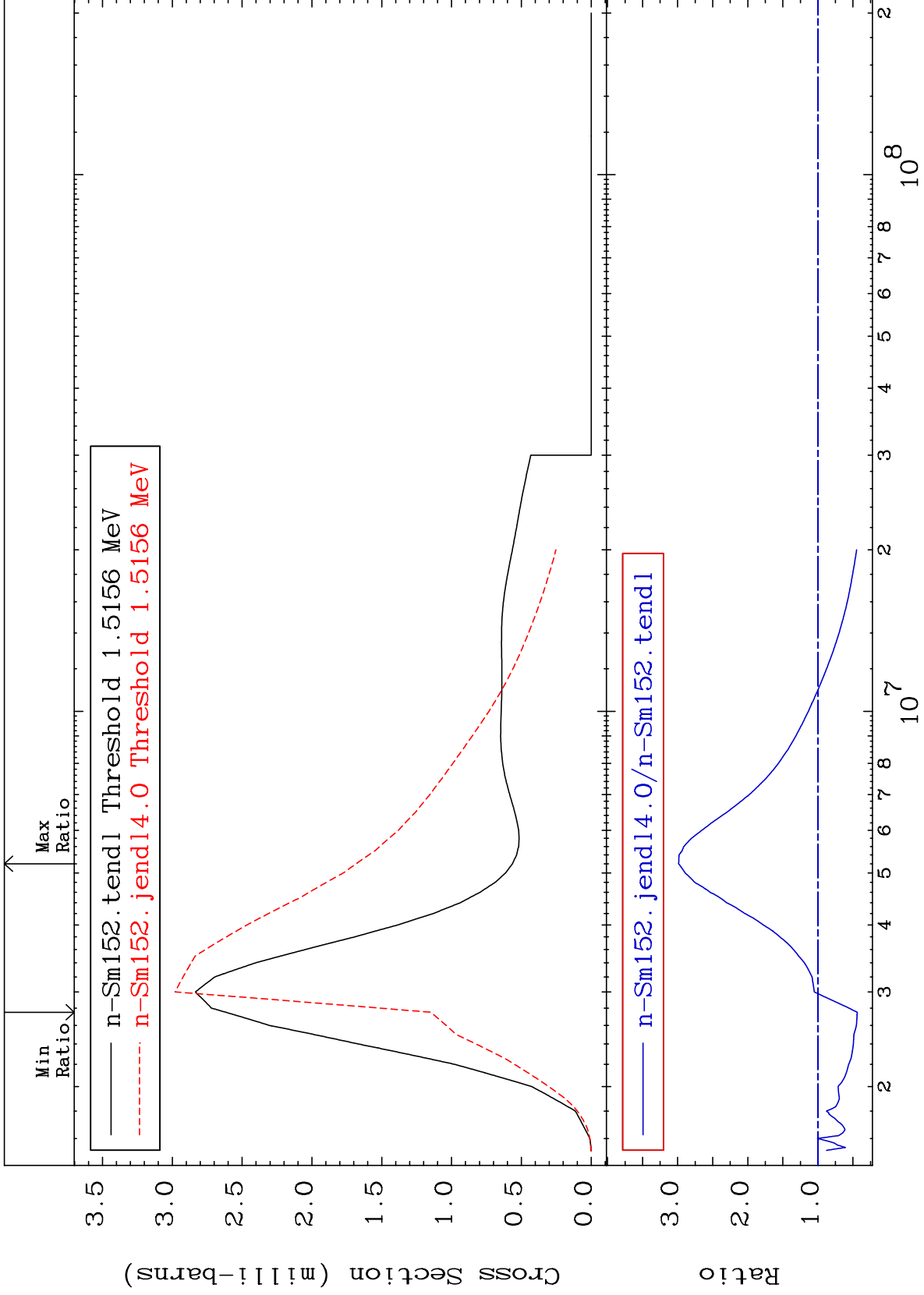
62-Sm-152  
-65.57 To 70.66 %



MAT 6249

MT= 69 (n, n') Level  
Cross Section

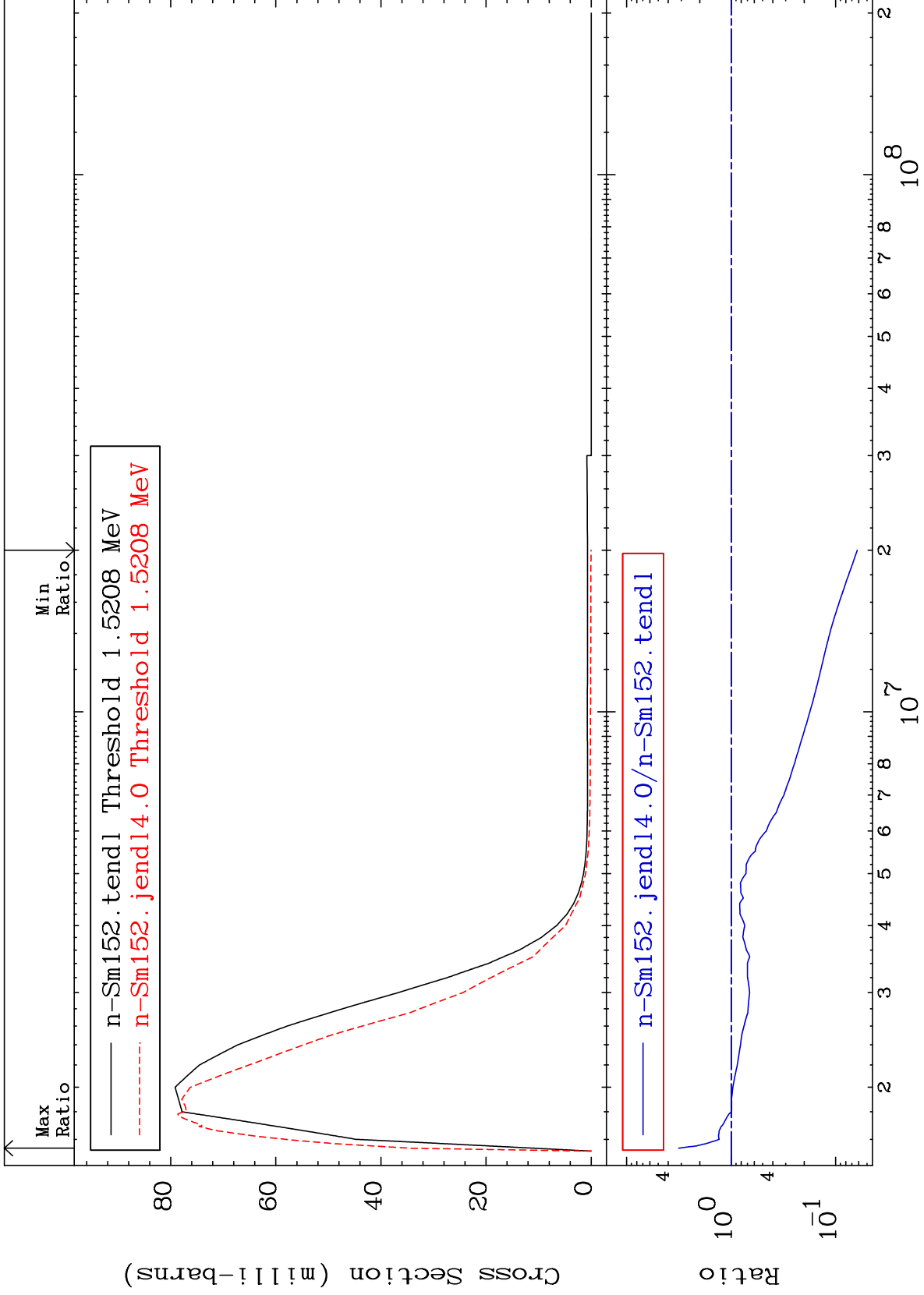
62-Sm-152  
-56.10 To 198.6 %



MAT 6249

MT= 70 (n,n') Level  
Cross Section

62-Sm-152  
-93.79 To 218.2 %



30

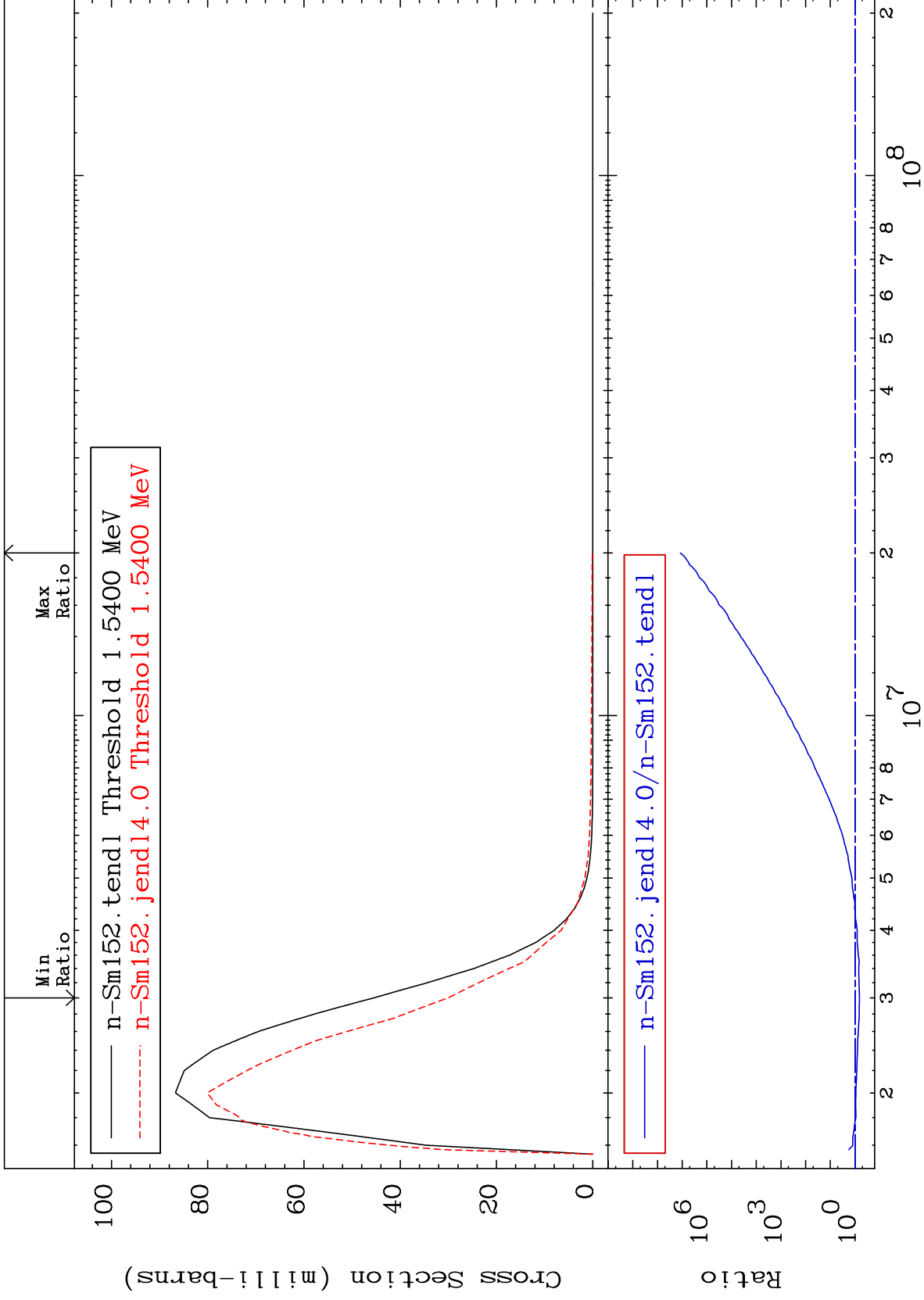
Incident Energy (eV)

62-Sm-152

MAT 6249

MT= 71 (n,n') Level  
Cross Section

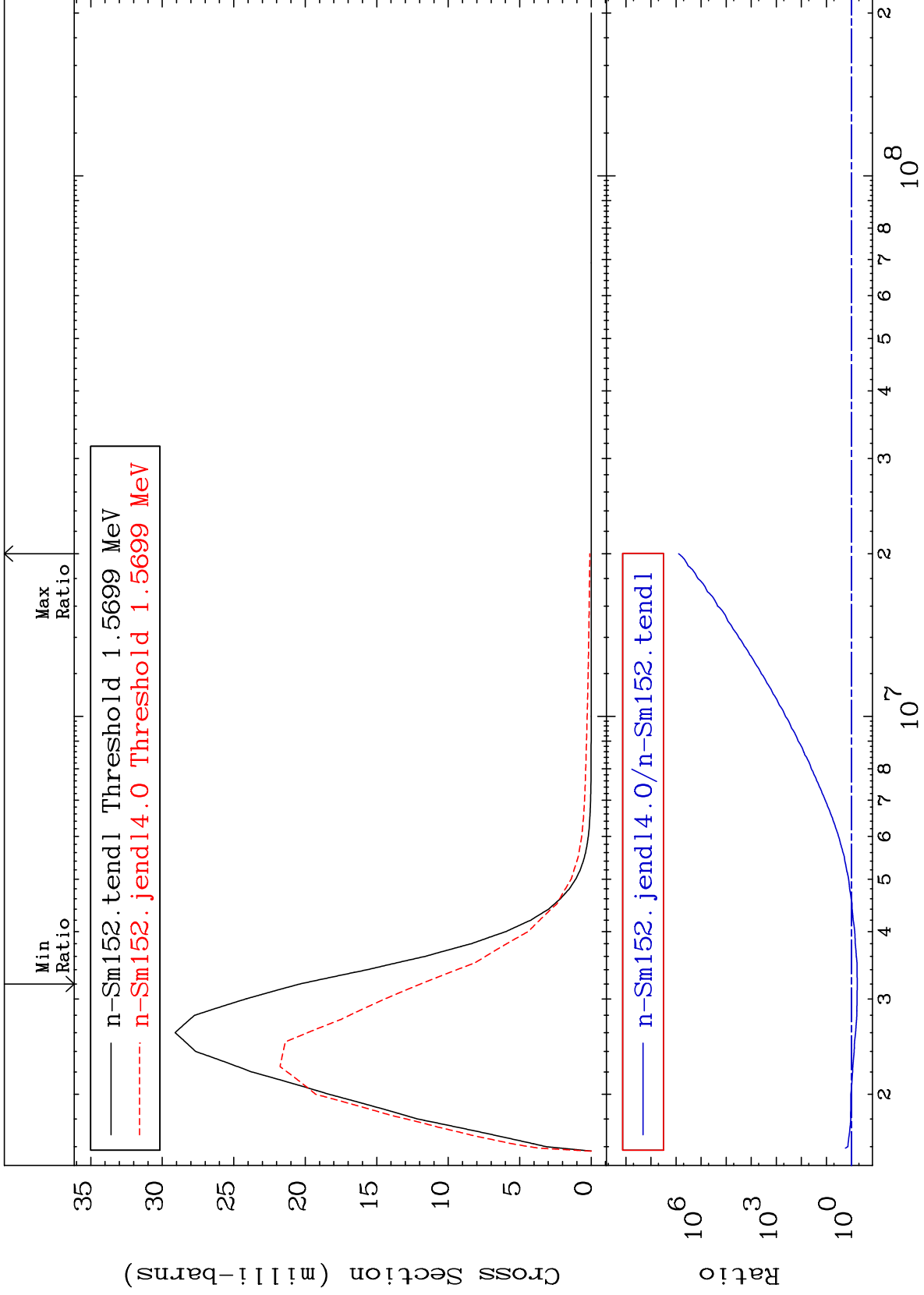
62-Sm-152  
-33.93 To 9999. %



MAT 6249

MT= 72 (n,n') Level  
Cross Section

62-Sm-152  
-41.45 To 9999. %

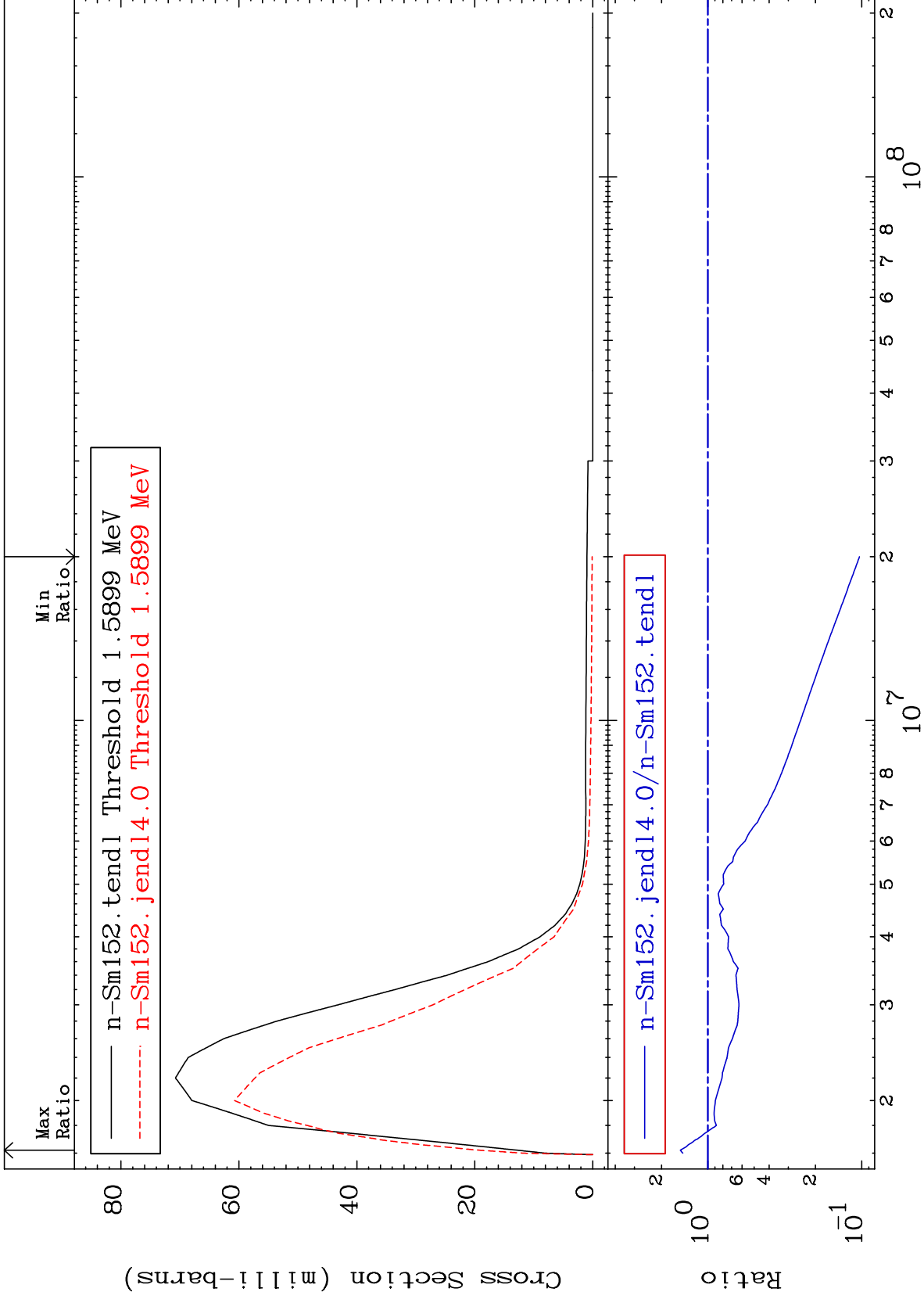


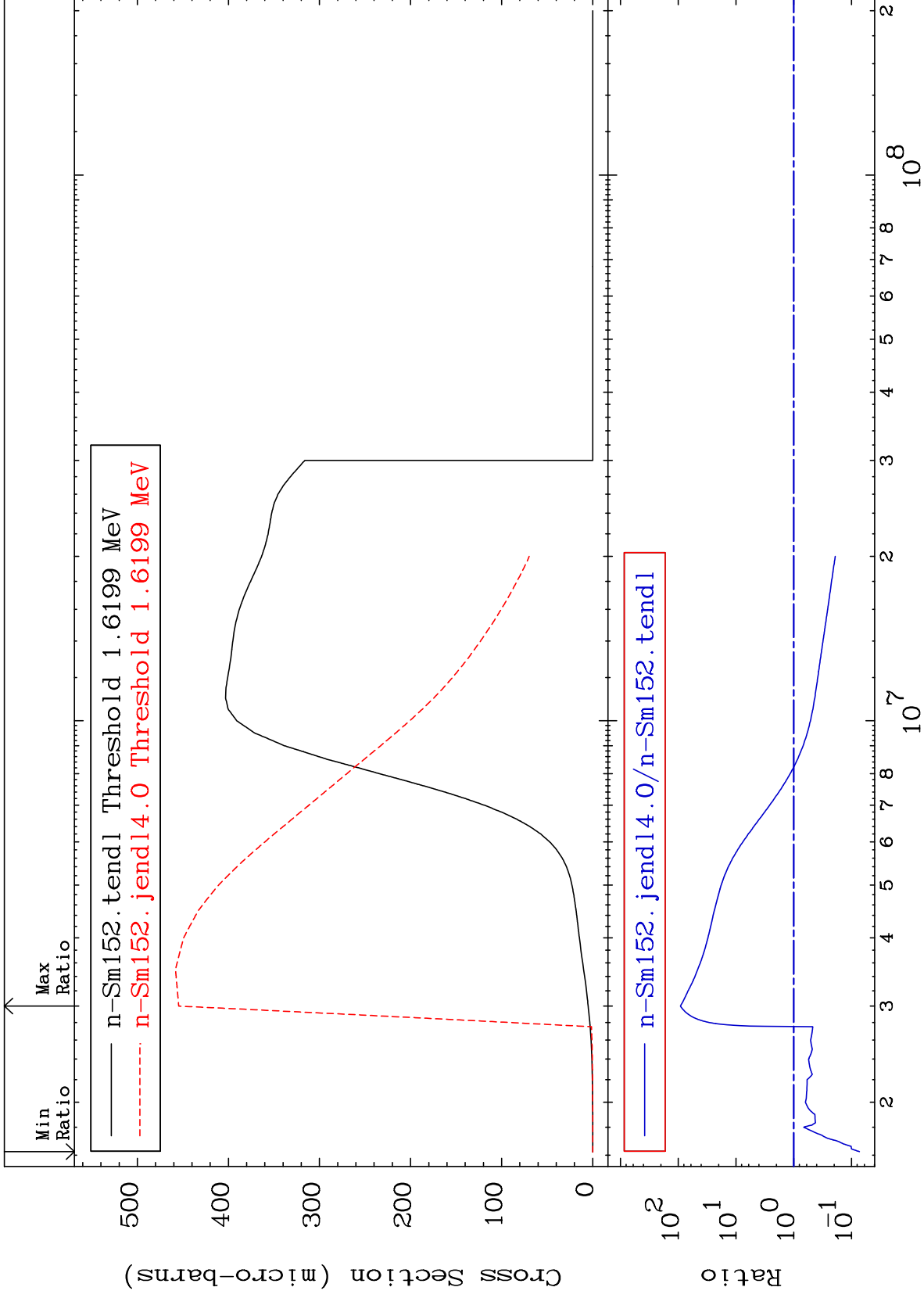


MAT 6249

MT= 73 (n,n') Level  
Cross Section

62-Sm-152  
-89.65 To 50.86 %

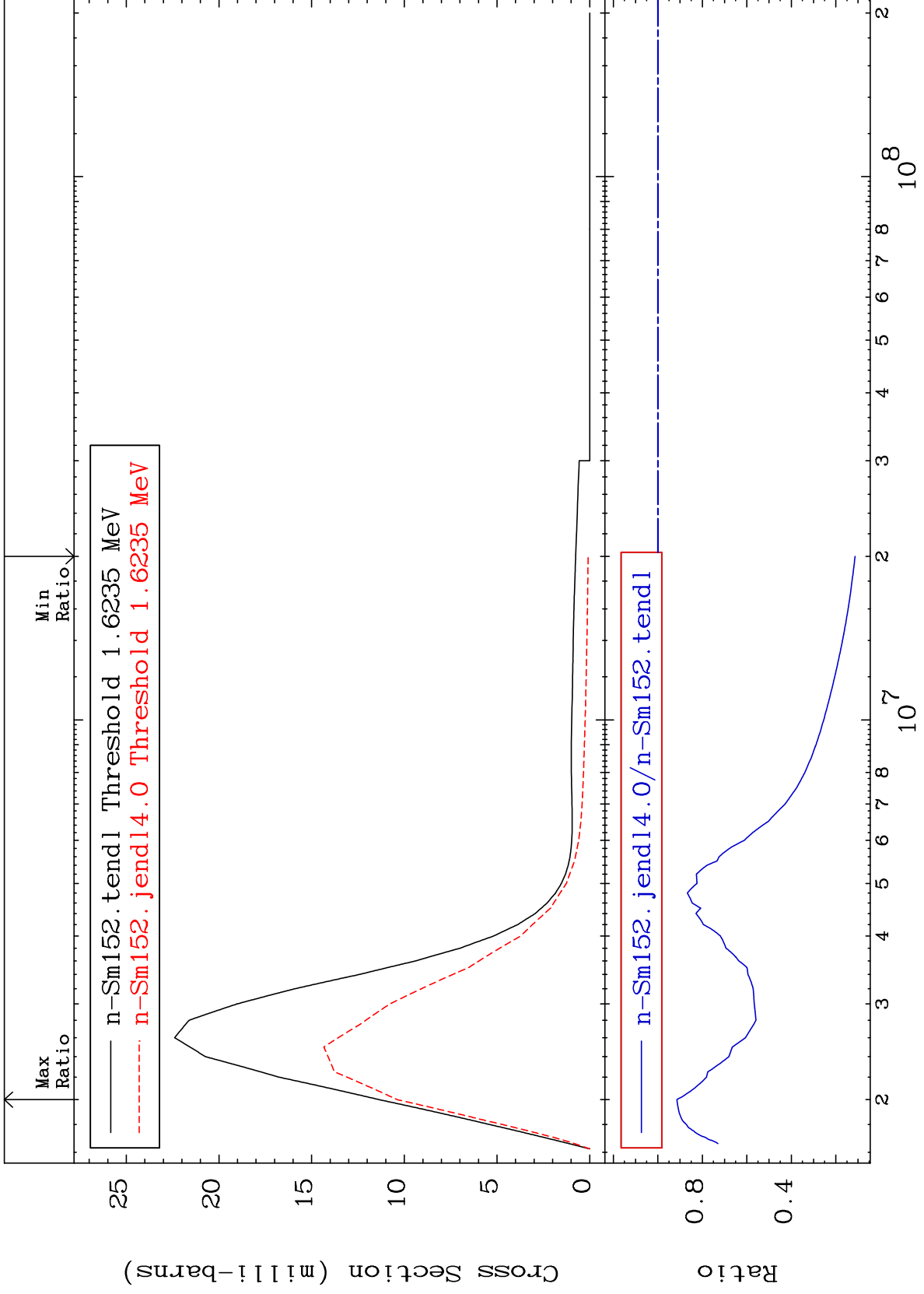




MAT 6249

MT= 75 (n,n') Level  
Cross Section

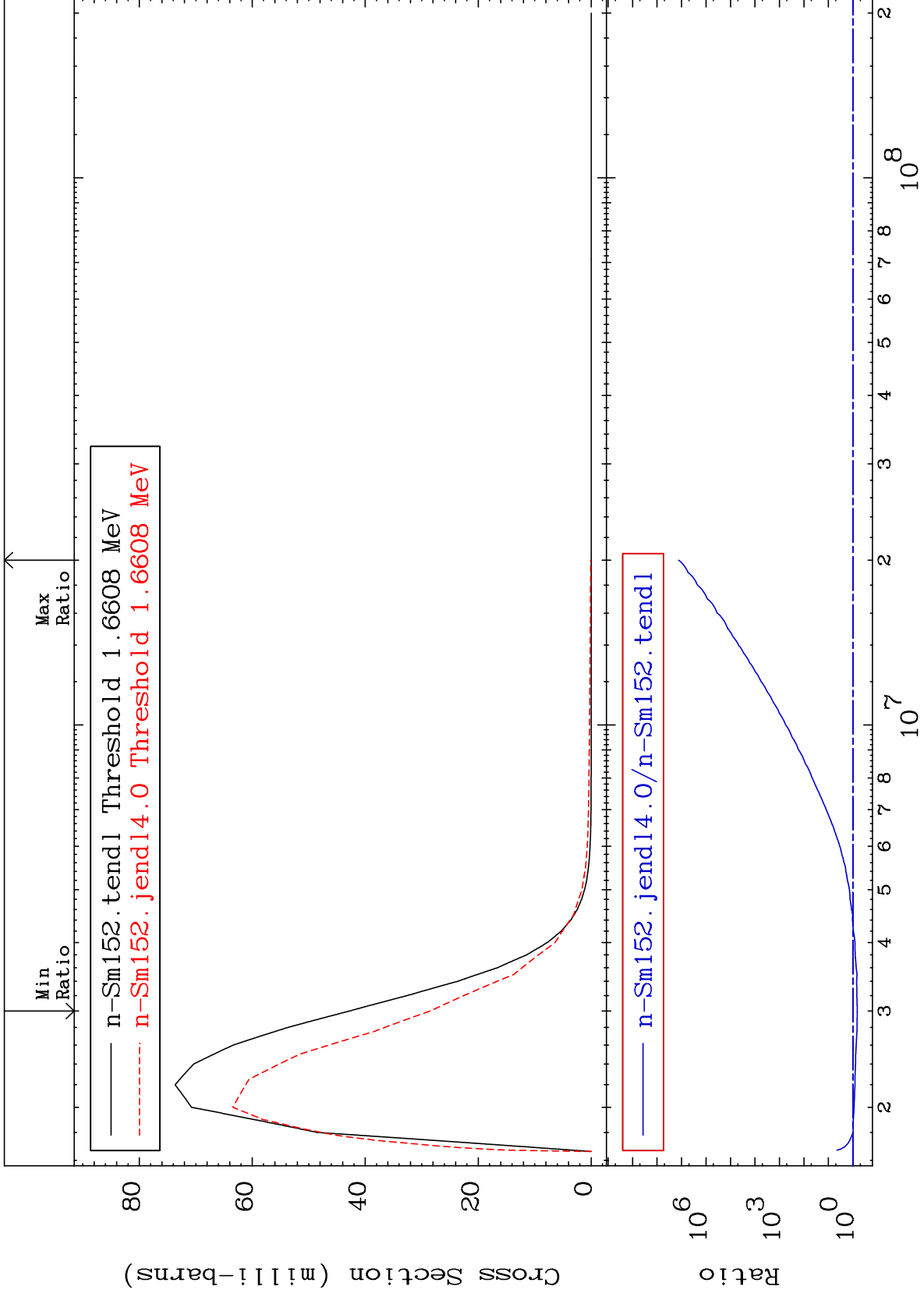
62-Sm-152  
-88.67 To -8.595%



MAT 6249

MT= 76 (n,n') Level  
Cross Section

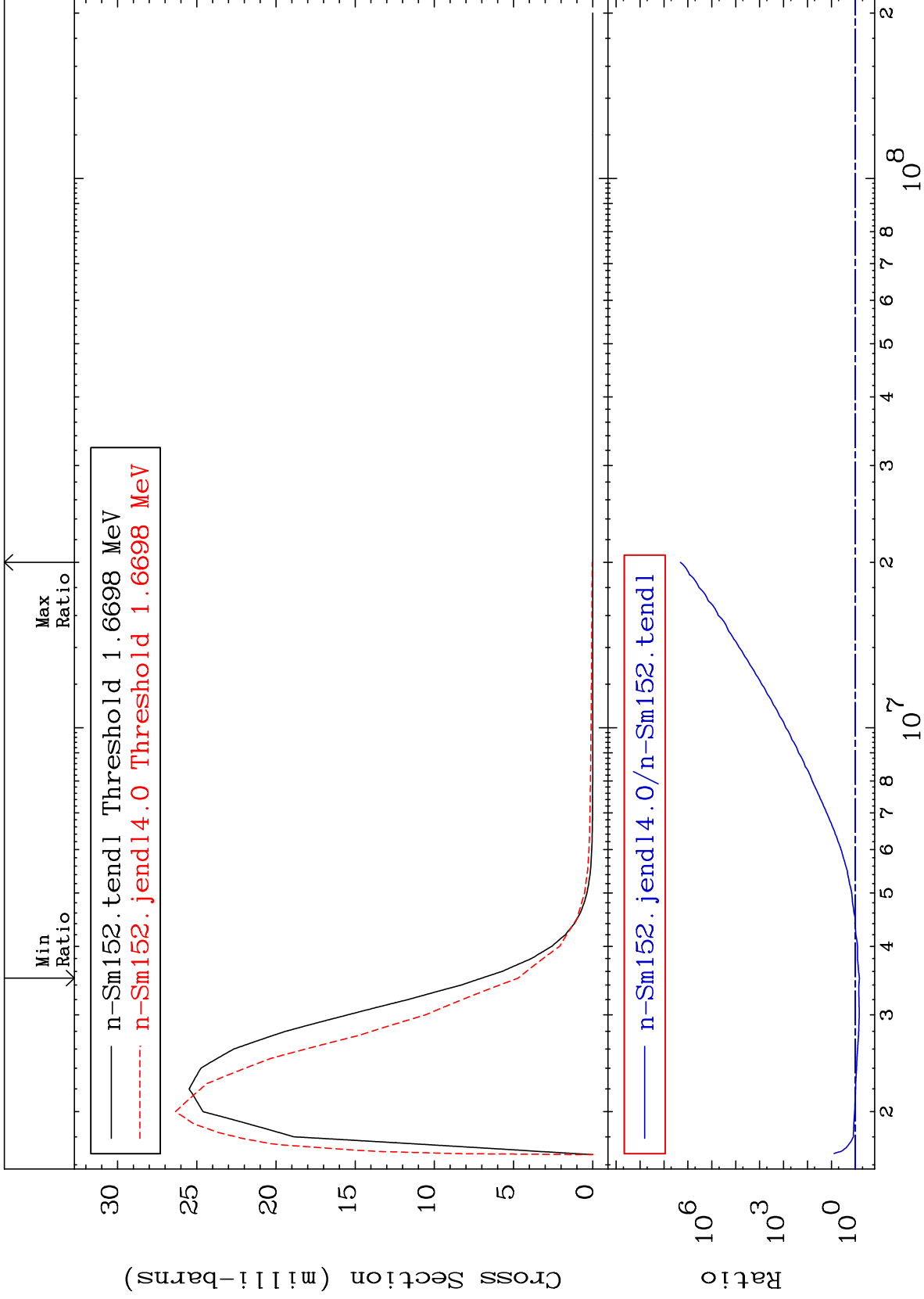
62-Sm-152  
-33.40 To 9999. %



MAT 6249

MT= 77 (n,n') Level  
Cross Section

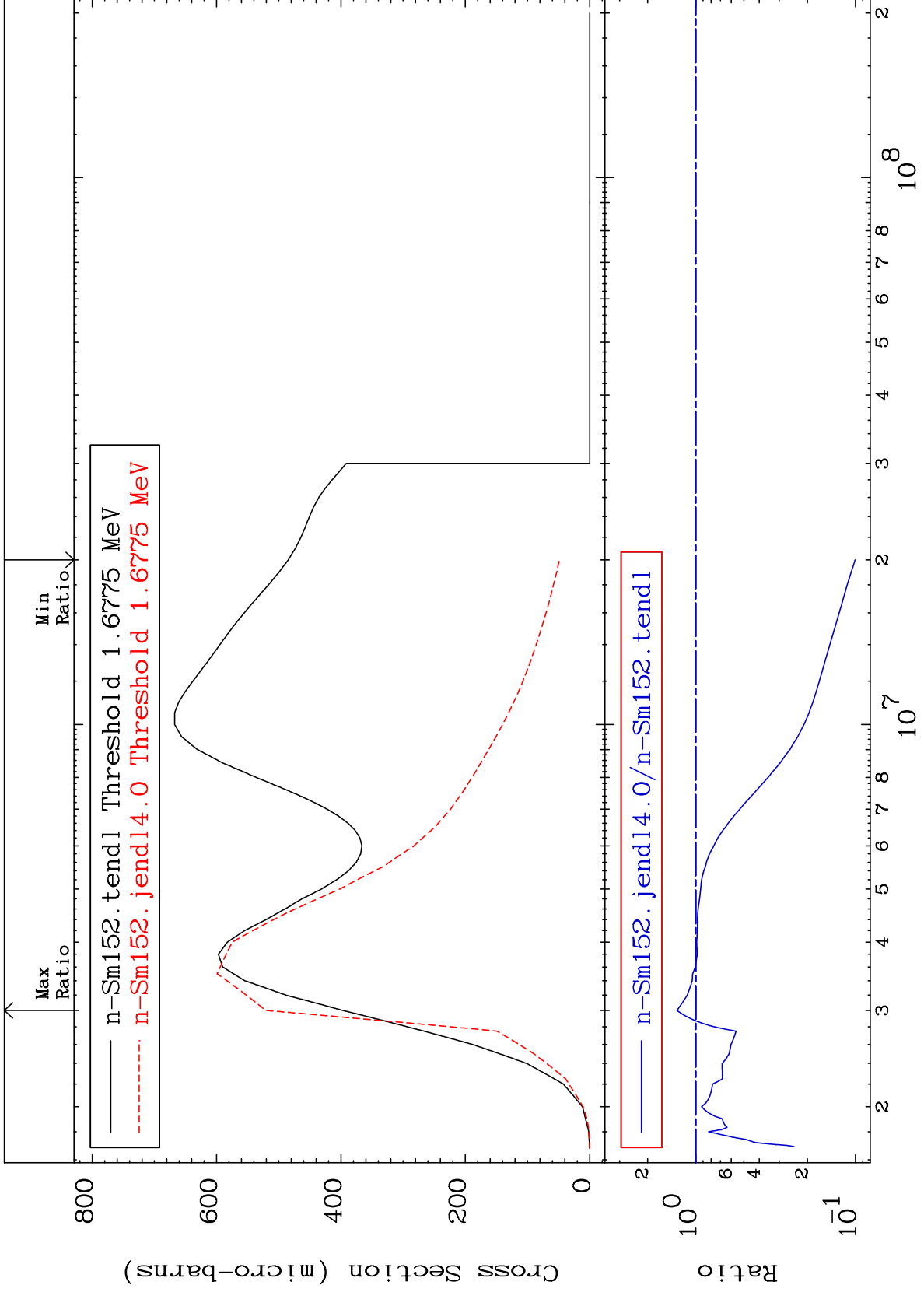
62-Sm-152  
-32.81 To 9999. %

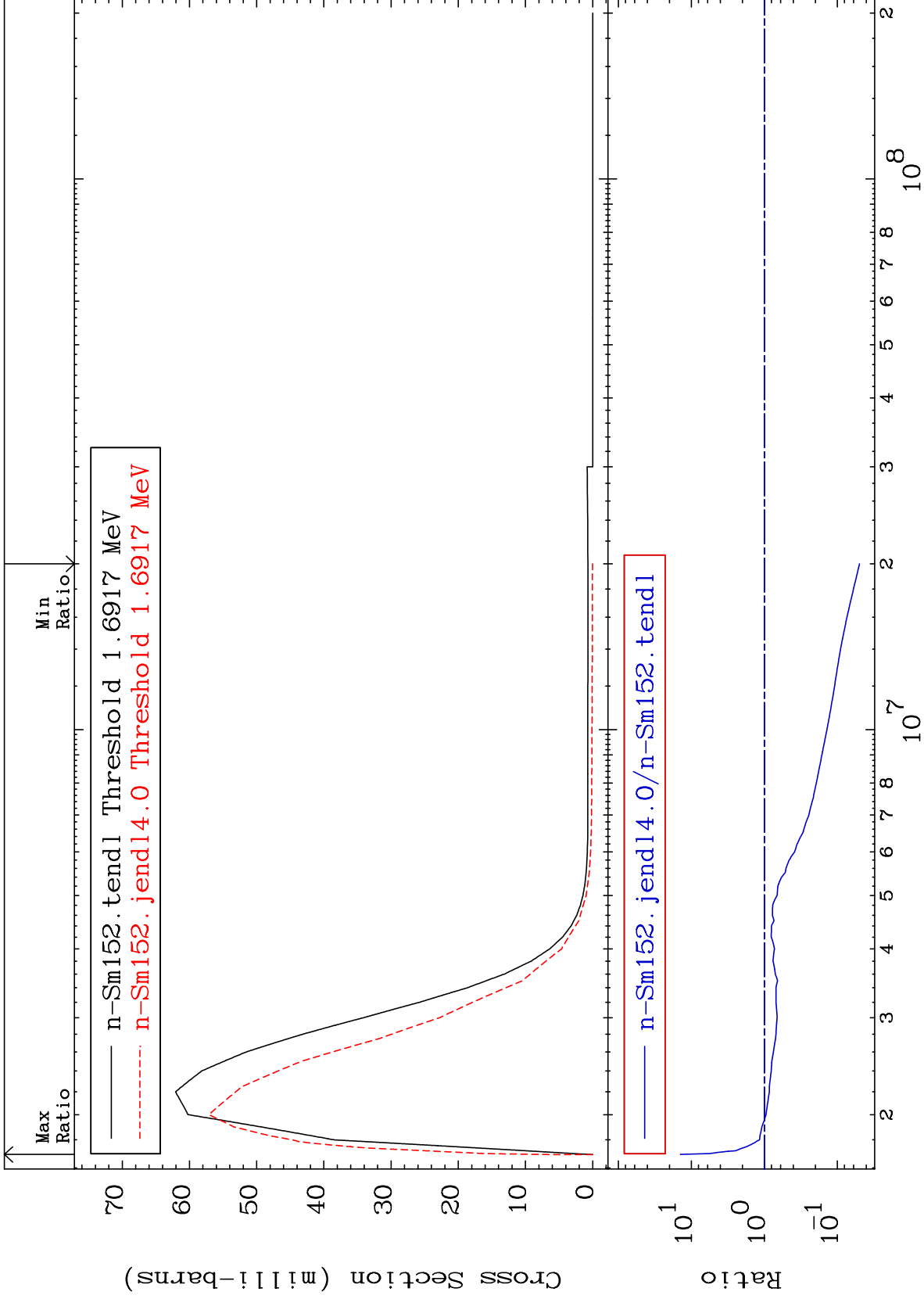


MAT 6249

MT= 78 (n,n') Level  
Cross Section

62-Sm-152  
-89.95 To 31.14 %

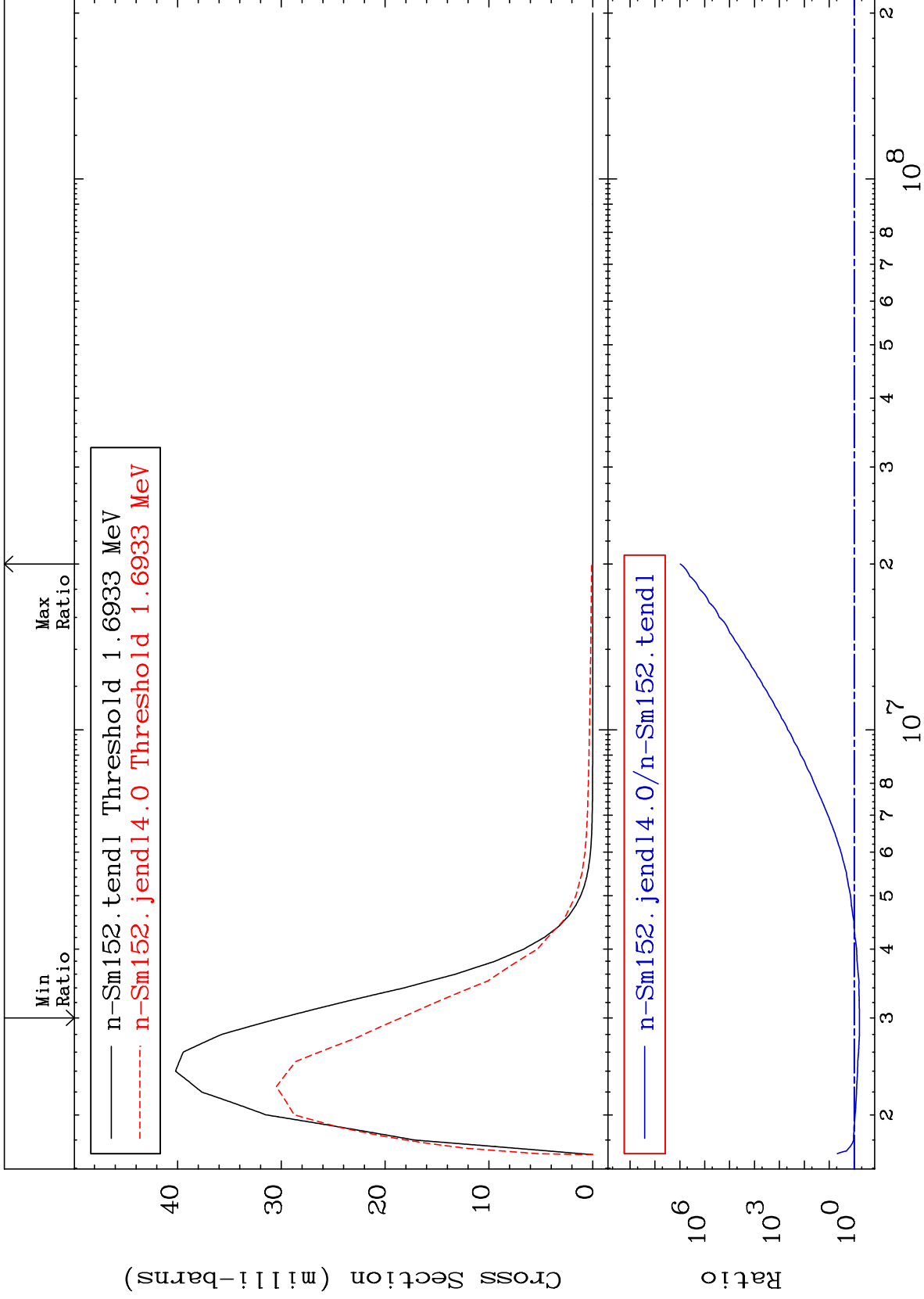




MAT 6249

MT= 80 (n,n') Level  
Cross Section

62-Sm-152  
-38.50 To 9999. %



40

Incident Energy (eV)

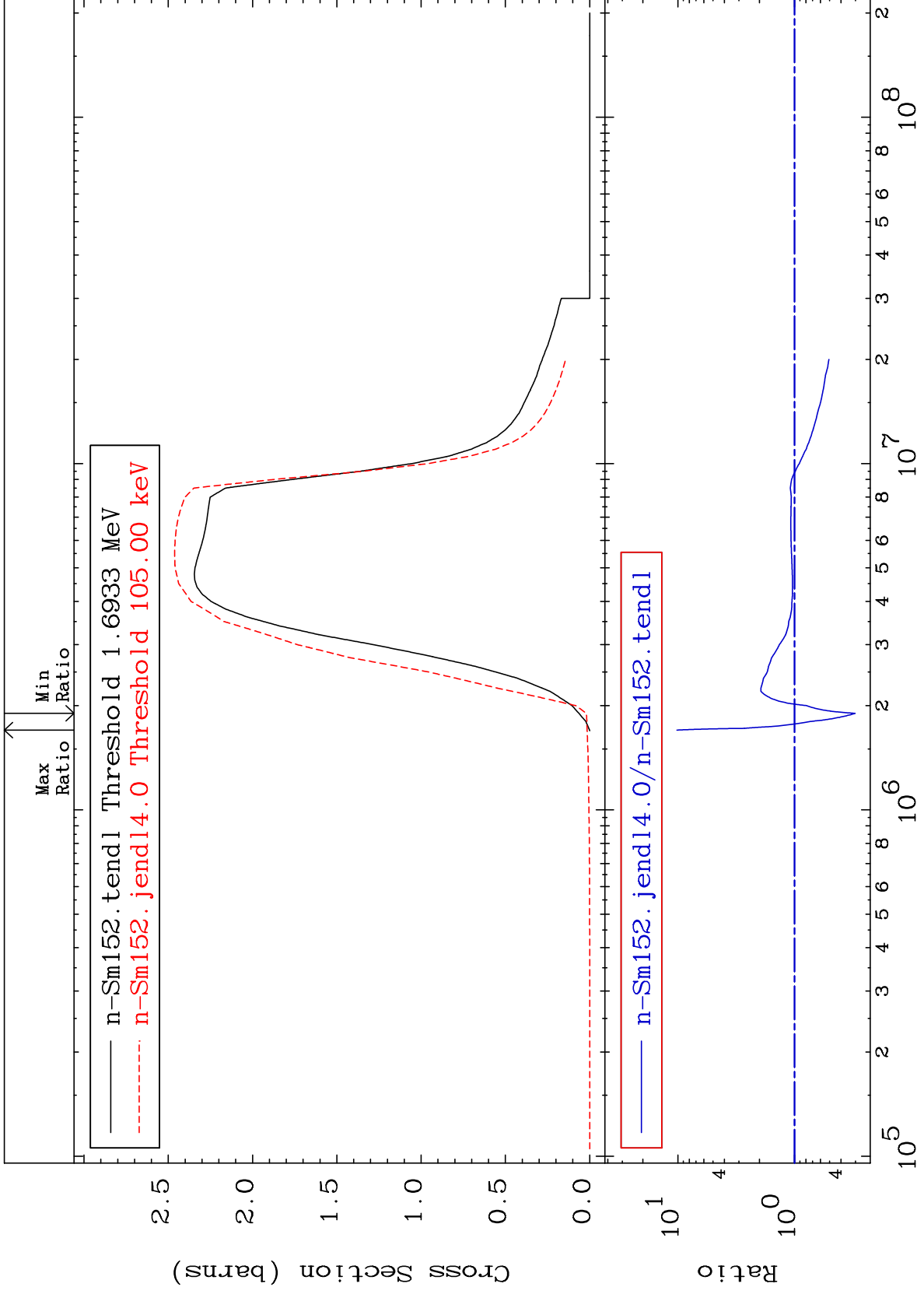
62-Sm-152



MAT 6249

(n, n') Continuum  
Cross Section

62-Sm-152  
-69.75 To 920.4 %



41

62-Sm-152

62-Sm-152

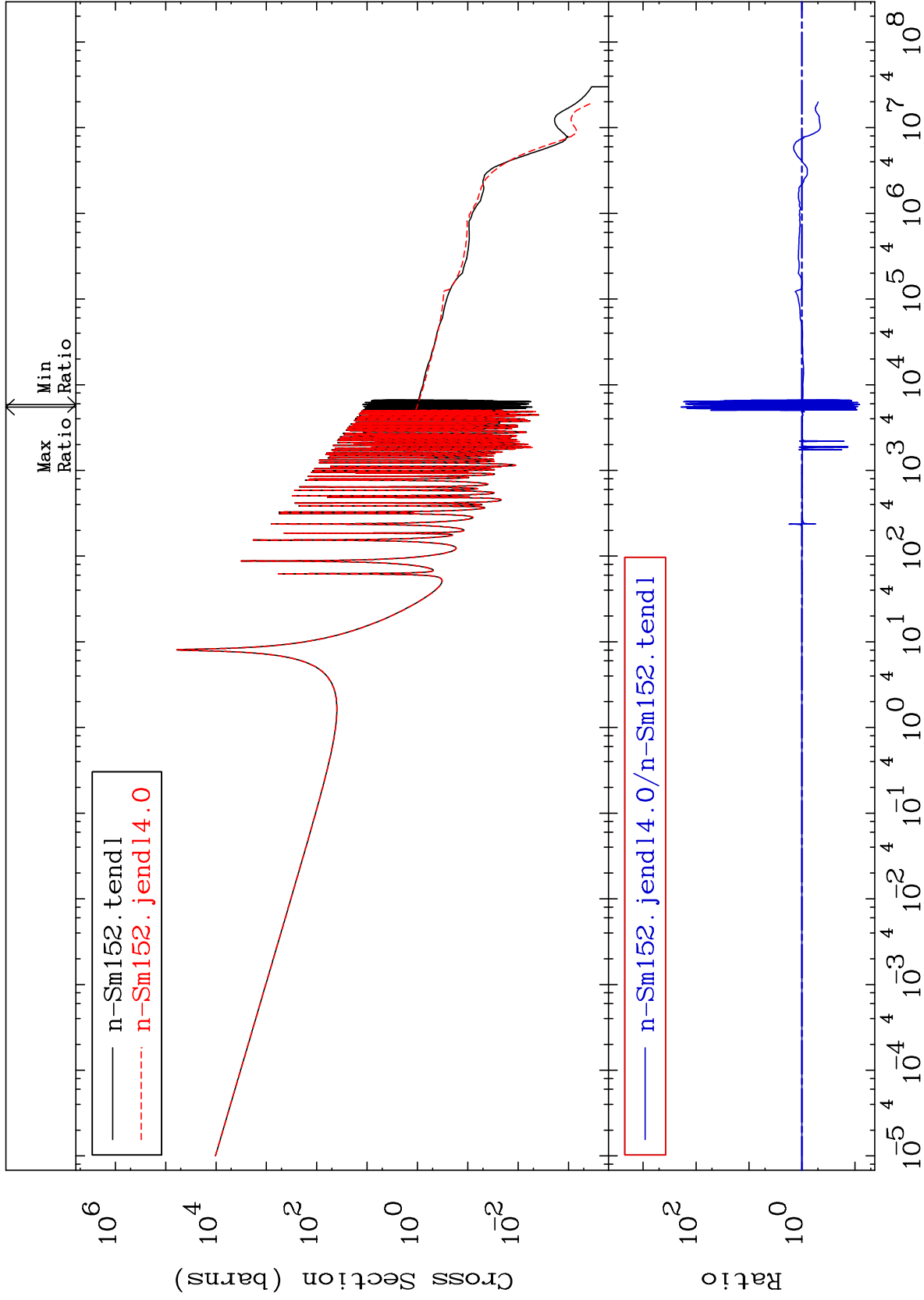
MAT 6249

(n,  $\gamma$ )

62-Sm-152

Cross Section

-91.84 To 9999. %



42

Incident Energy (eV)

62-Sm-152

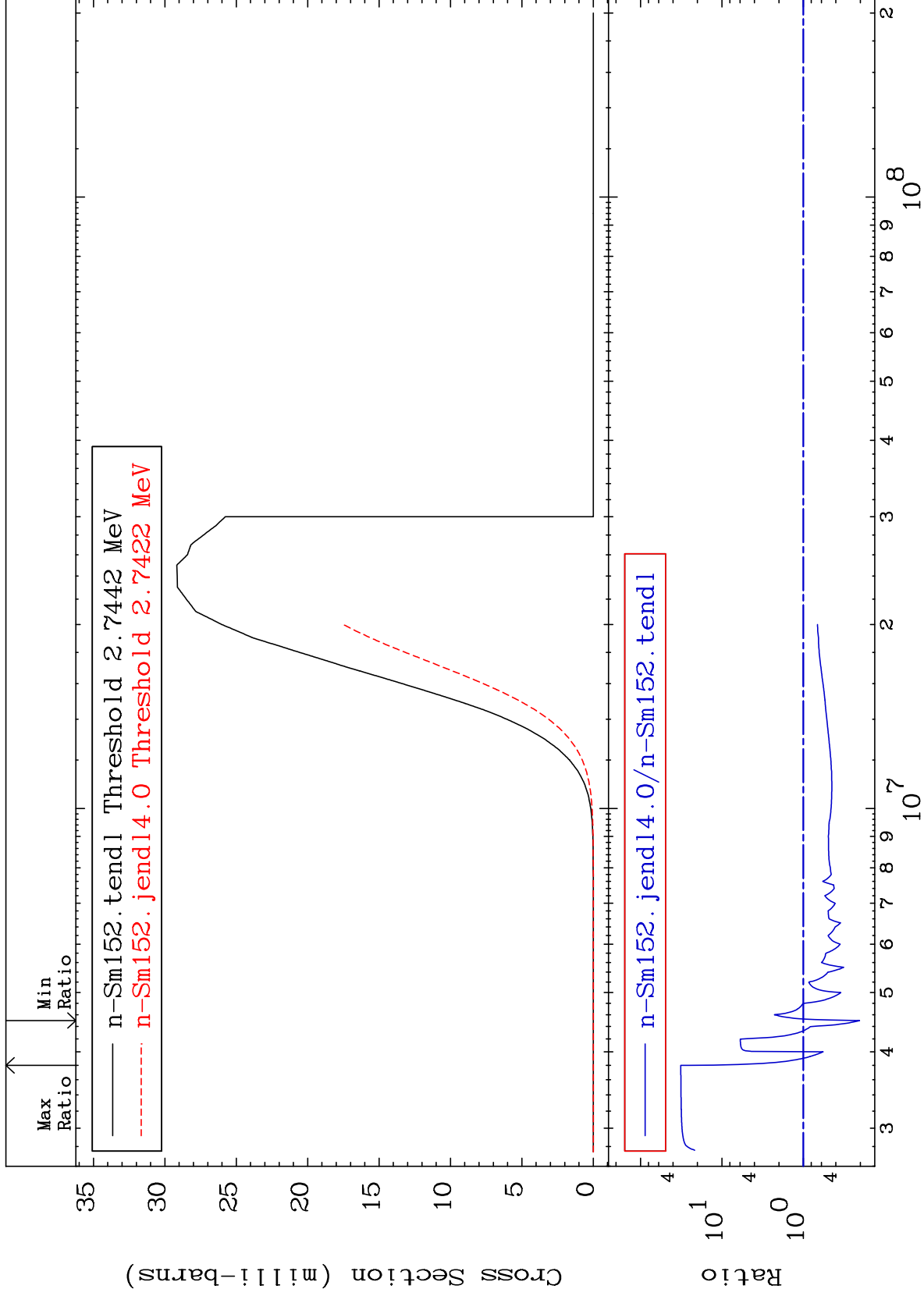
MAT 6249

(n, p)

62-Sm-152

Cross Section

-79.54 To 3106. %



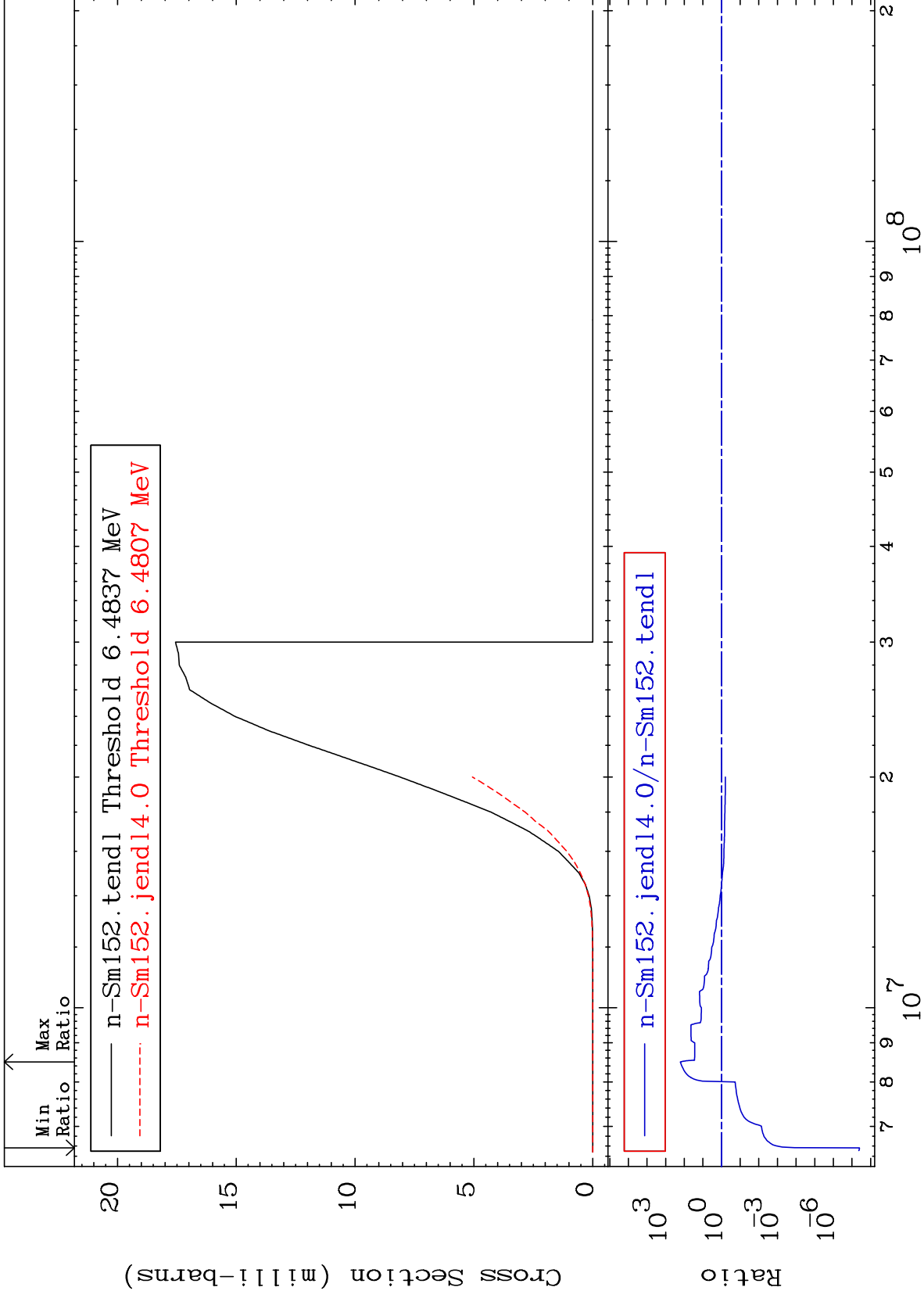
MAT 6249

(n, d)

62-Sm-152

Cross Section

-100.0 To 9999. %



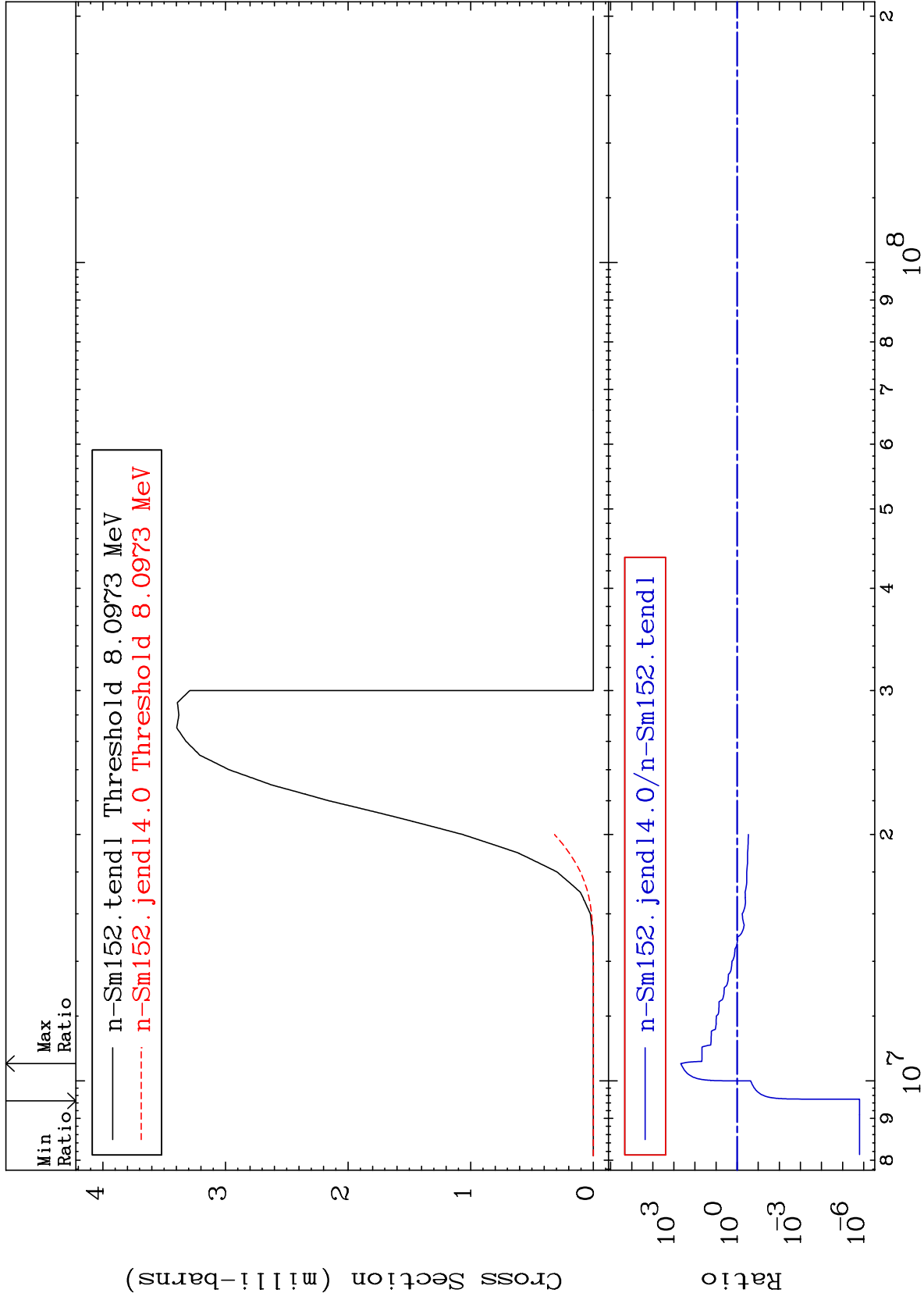
MAT 6249

(n, t)

62-Sm-152

Cross Section

-100.0 To 9999. %



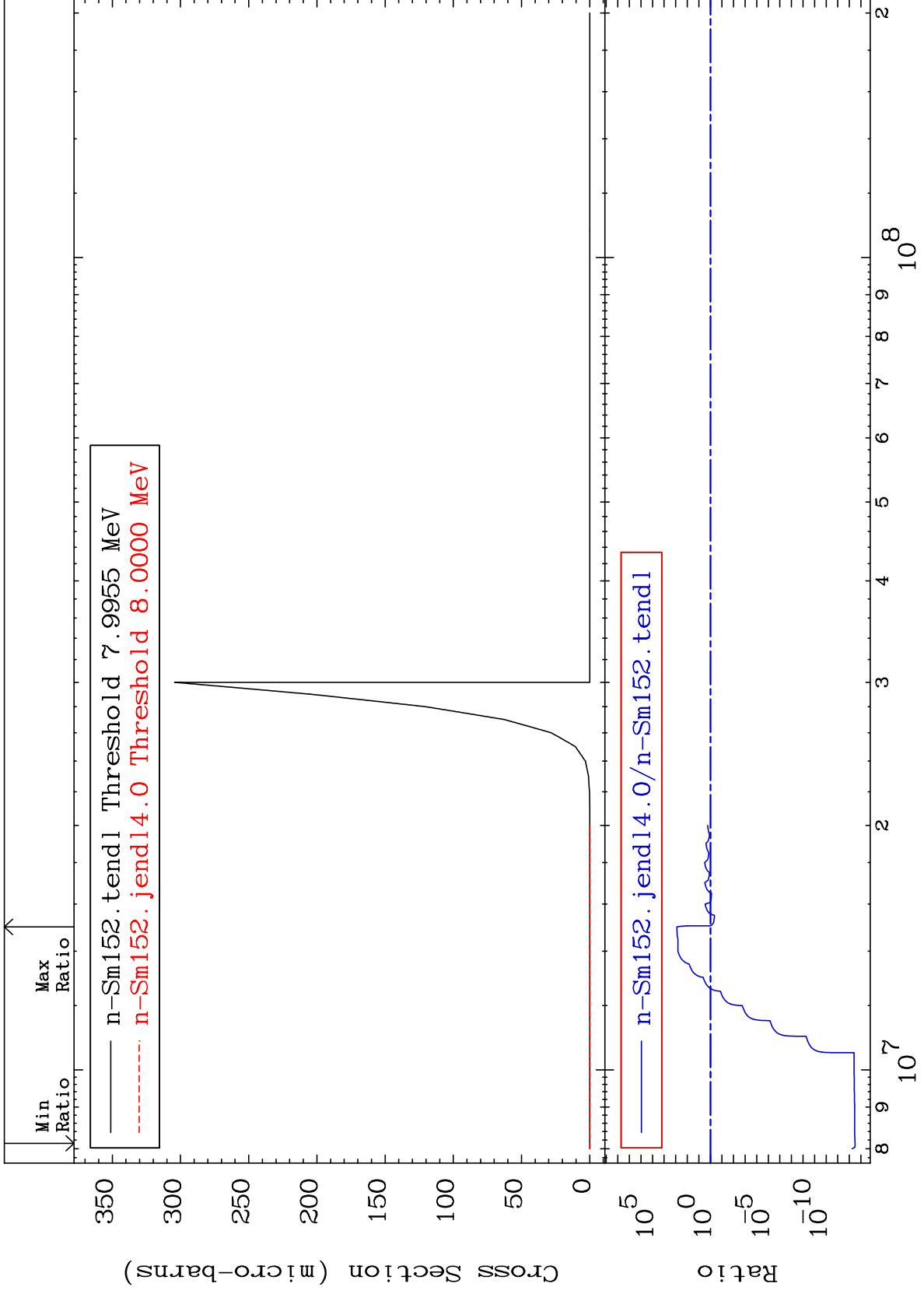
MAT 6249

(n, He-3)

62-Sm-152

Cross Section

-100.0 To 9999. %



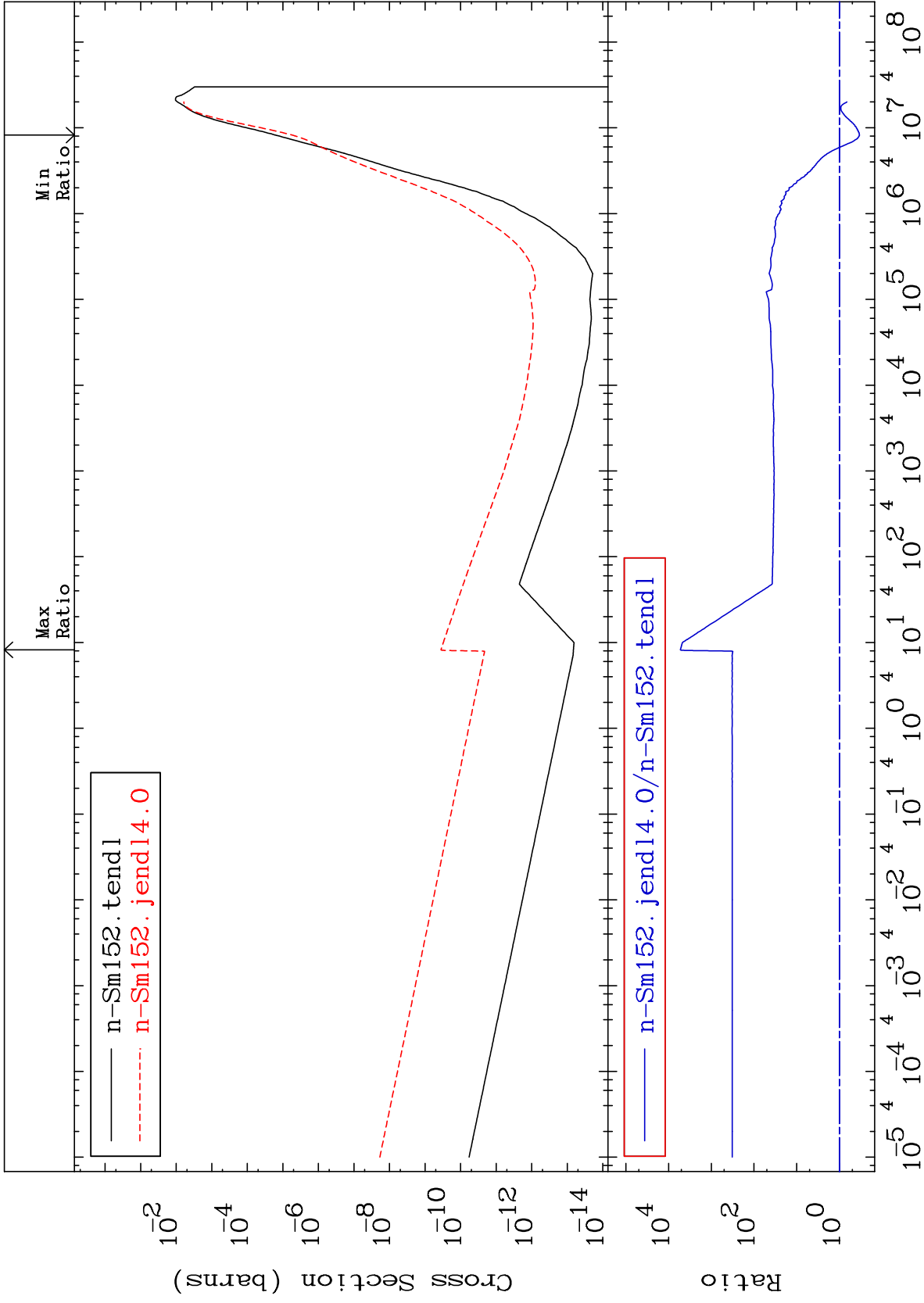
46

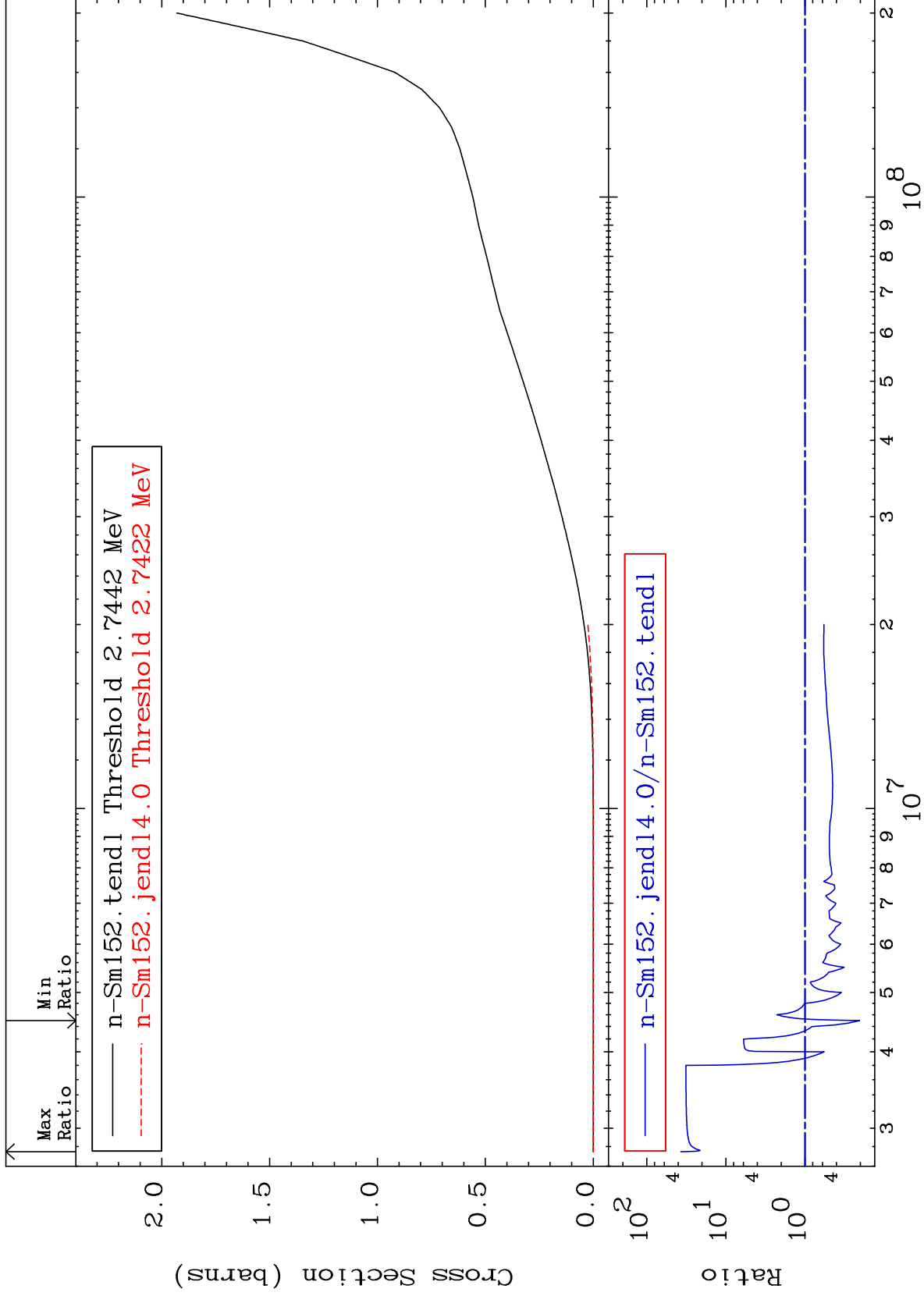
62-Sm-152

62-Sm-152

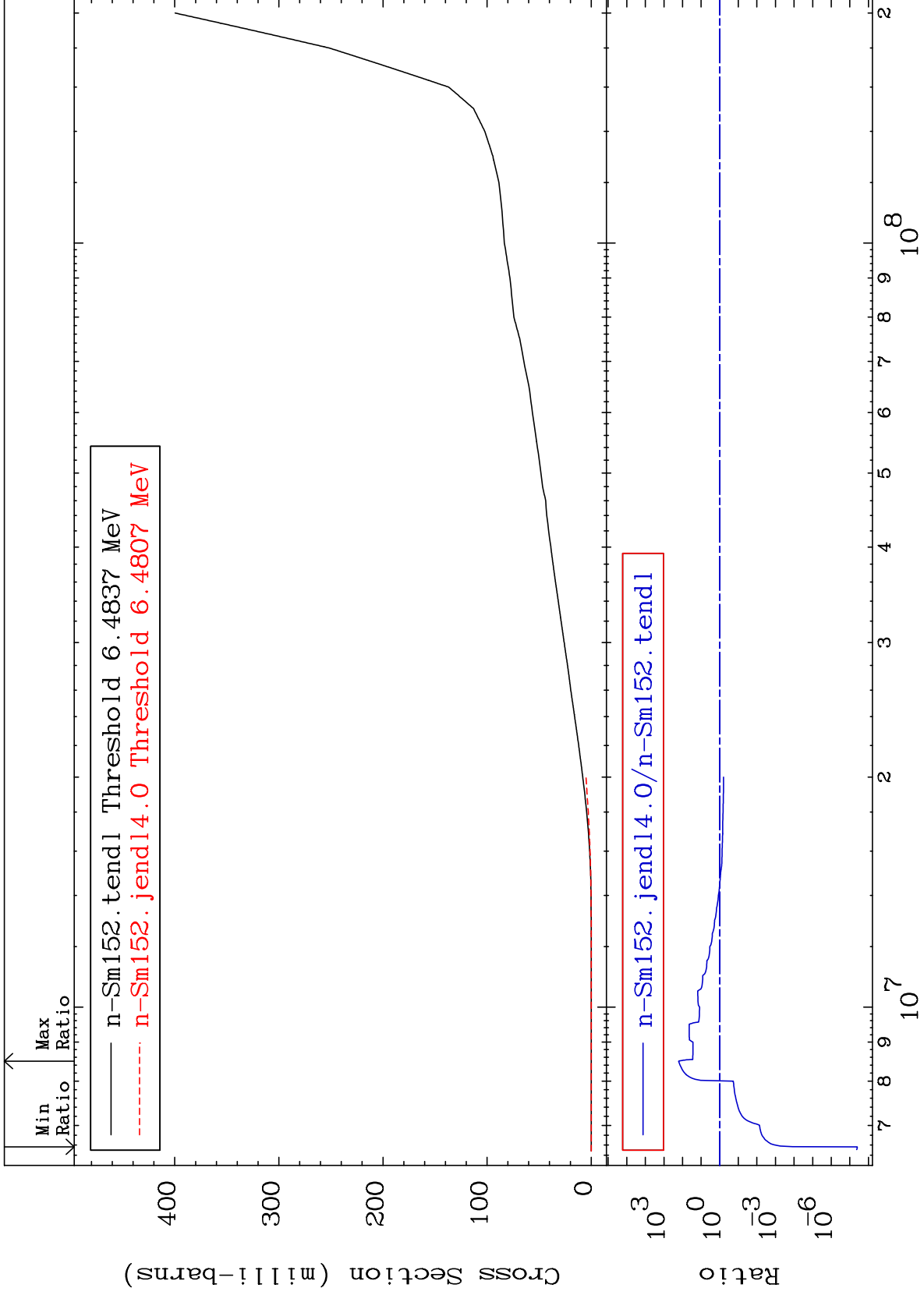
MAT 6249

(n,  $\alpha$ )  
Cross Section  
62-Sm-152  
-66.07 To 9999. %





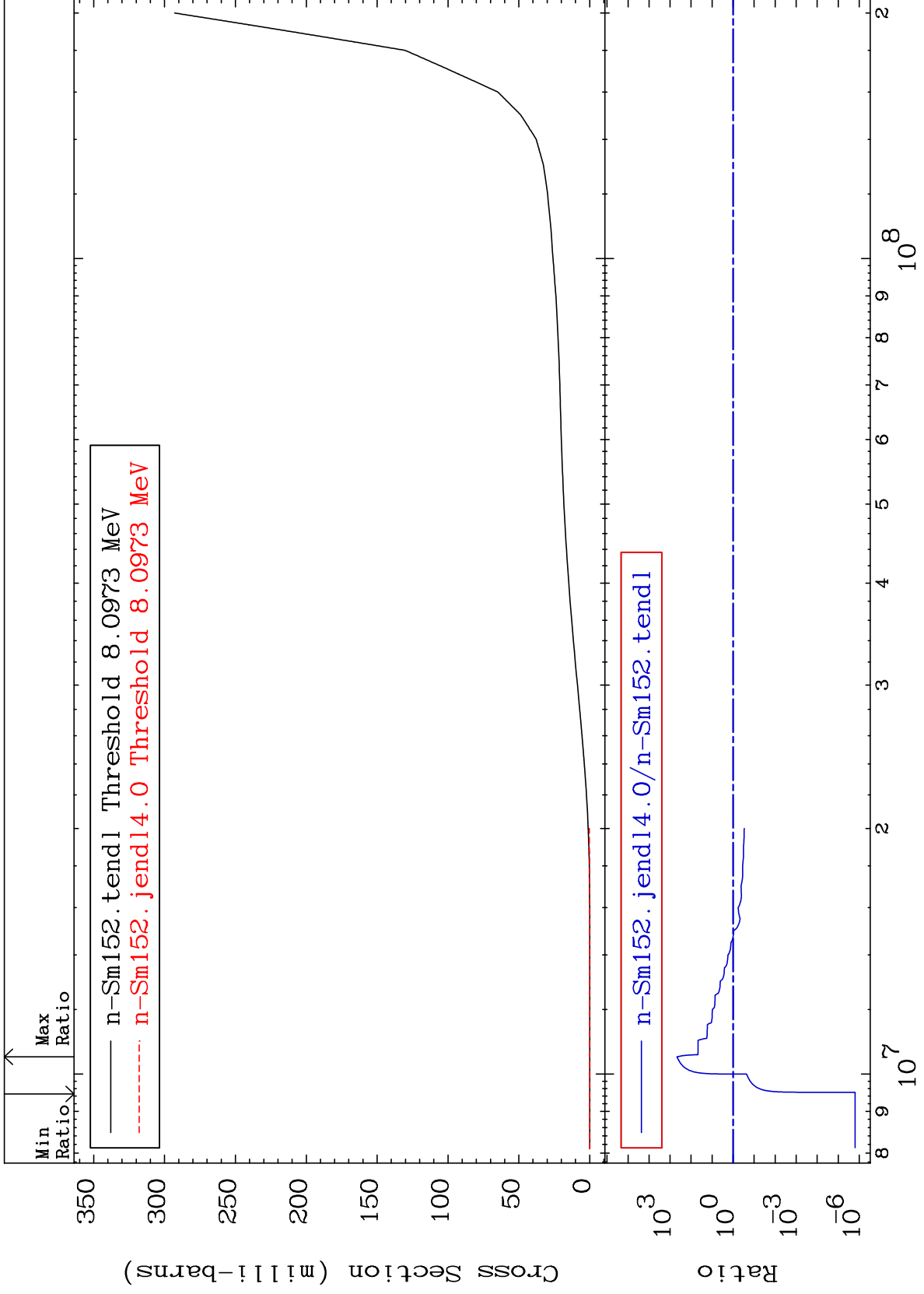




MAT 6249

Tritium Production  
Cross Section

62-Sm-152  
-100.0 To 9999. %



50

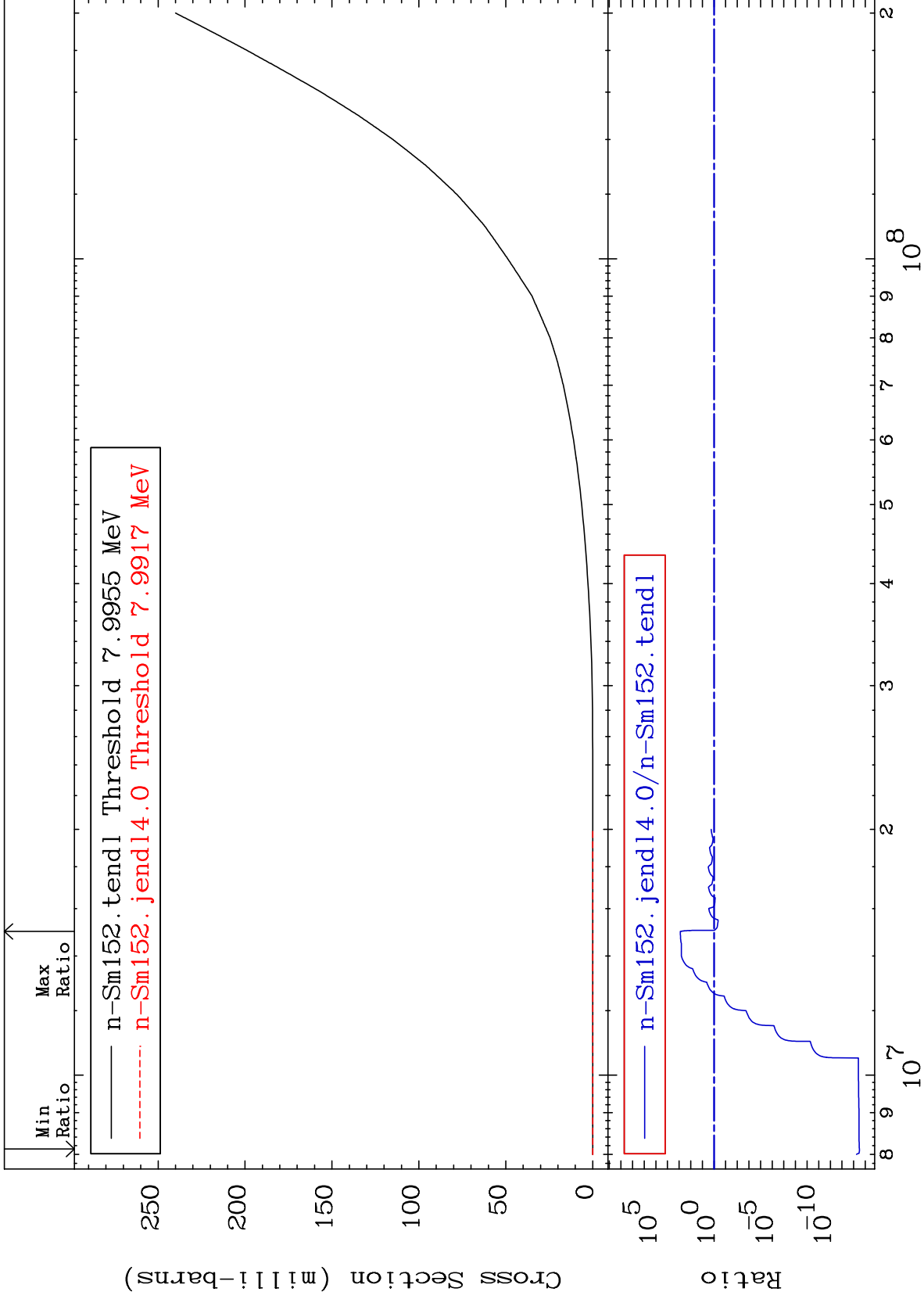
Incident Energy (eV)

62-Sm-152

MAT 6249

He-3 Production  
Cross Section

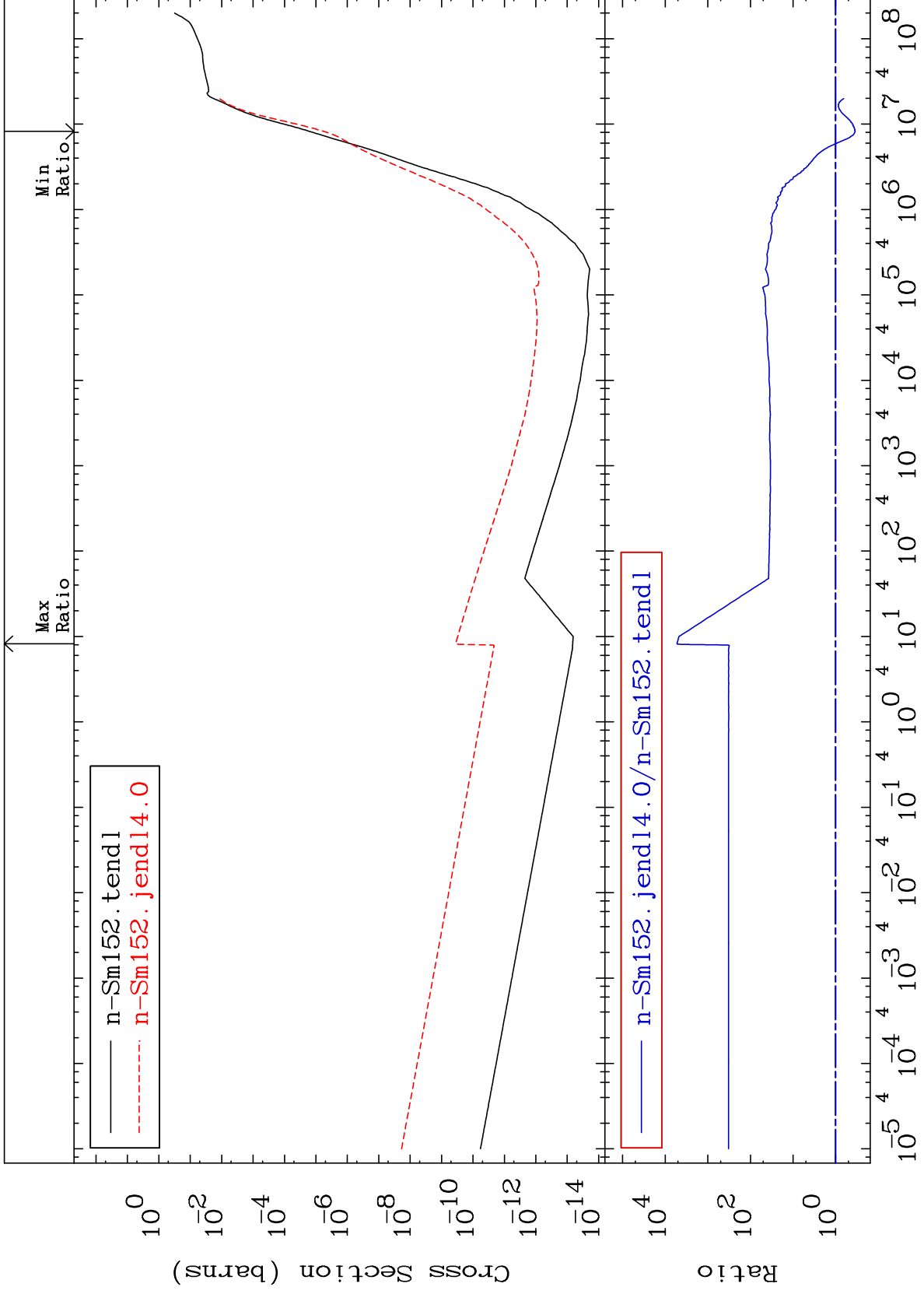
62-Sm-152  
-100.0 To 9999. %

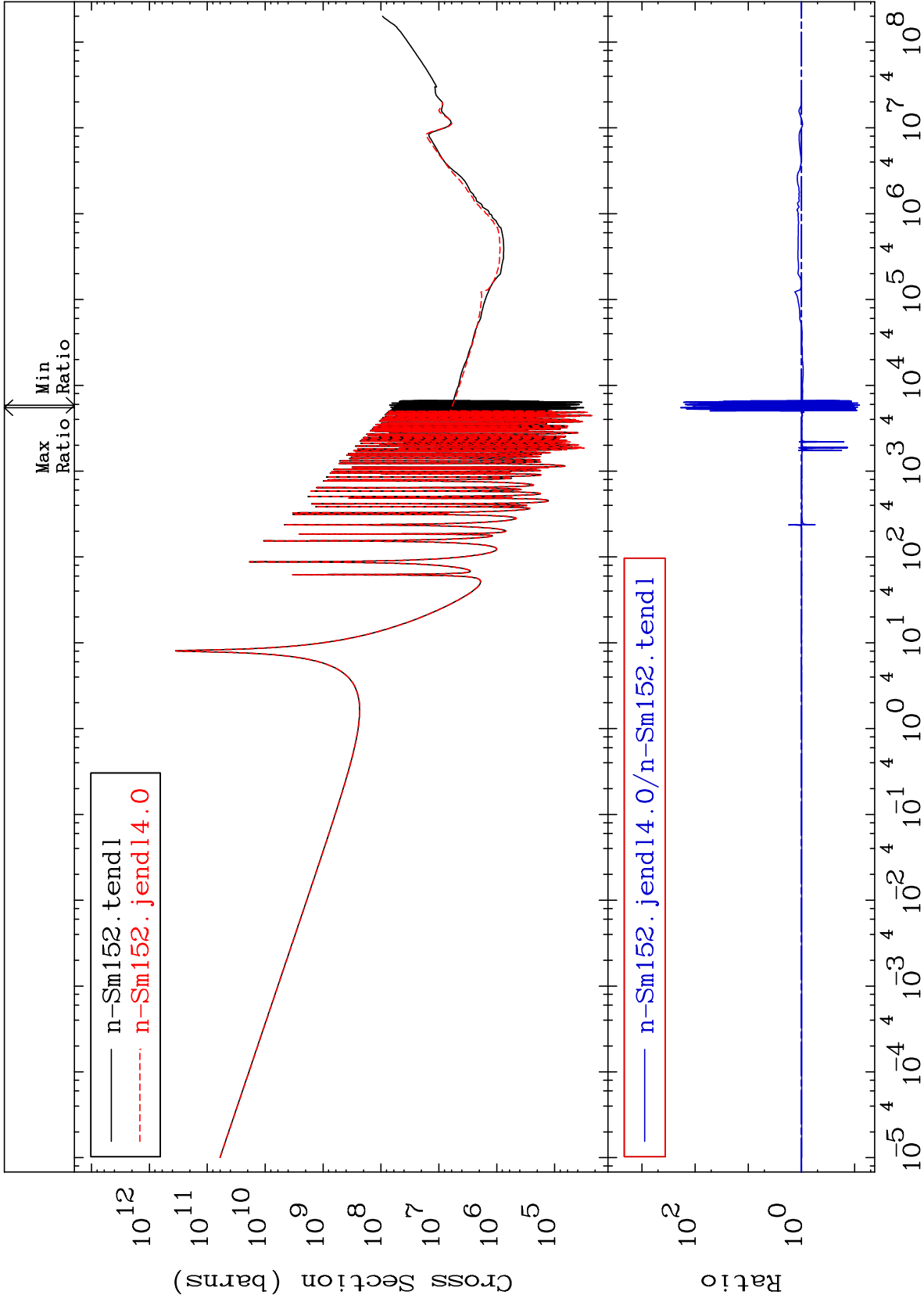


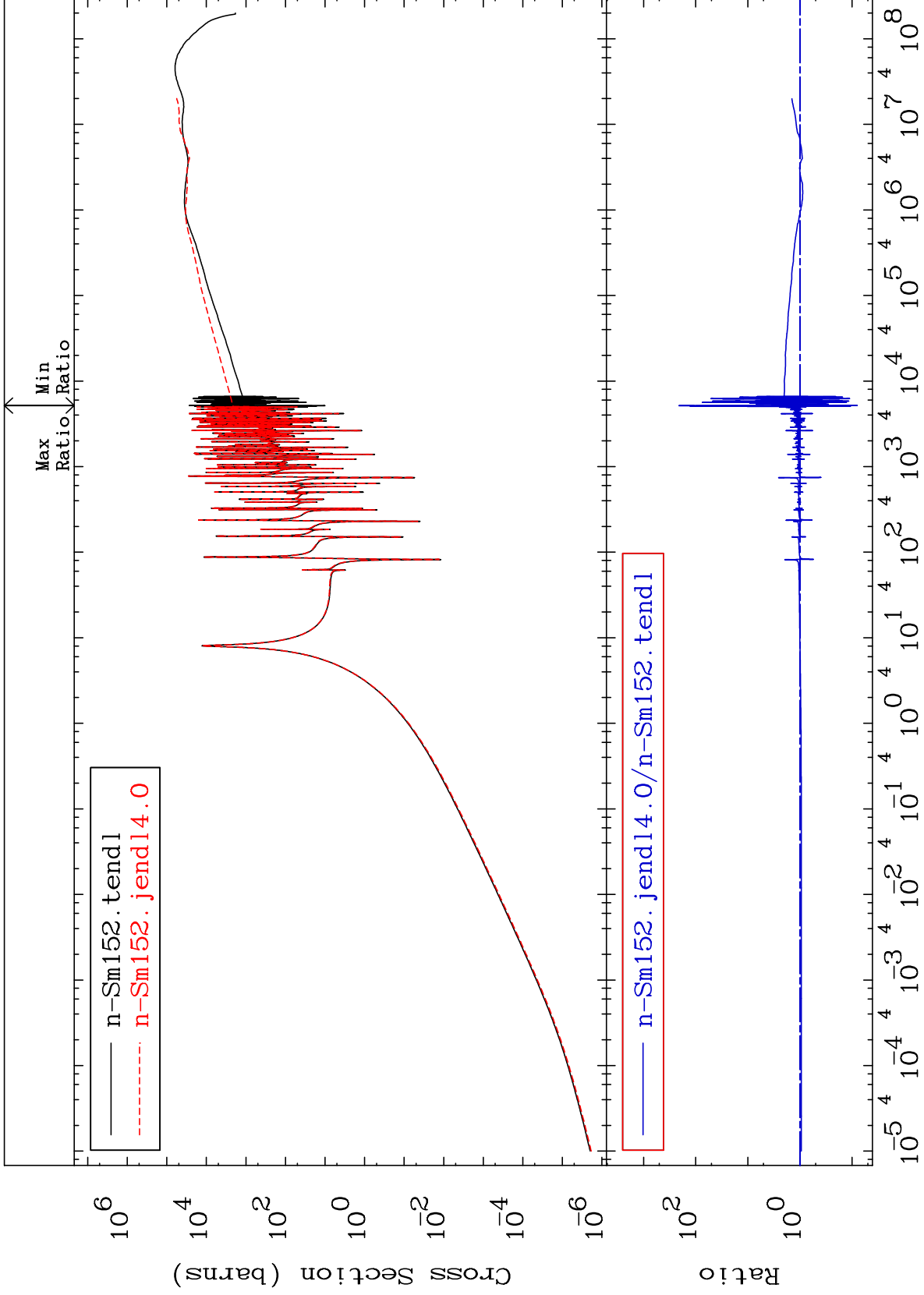
MAT 6249

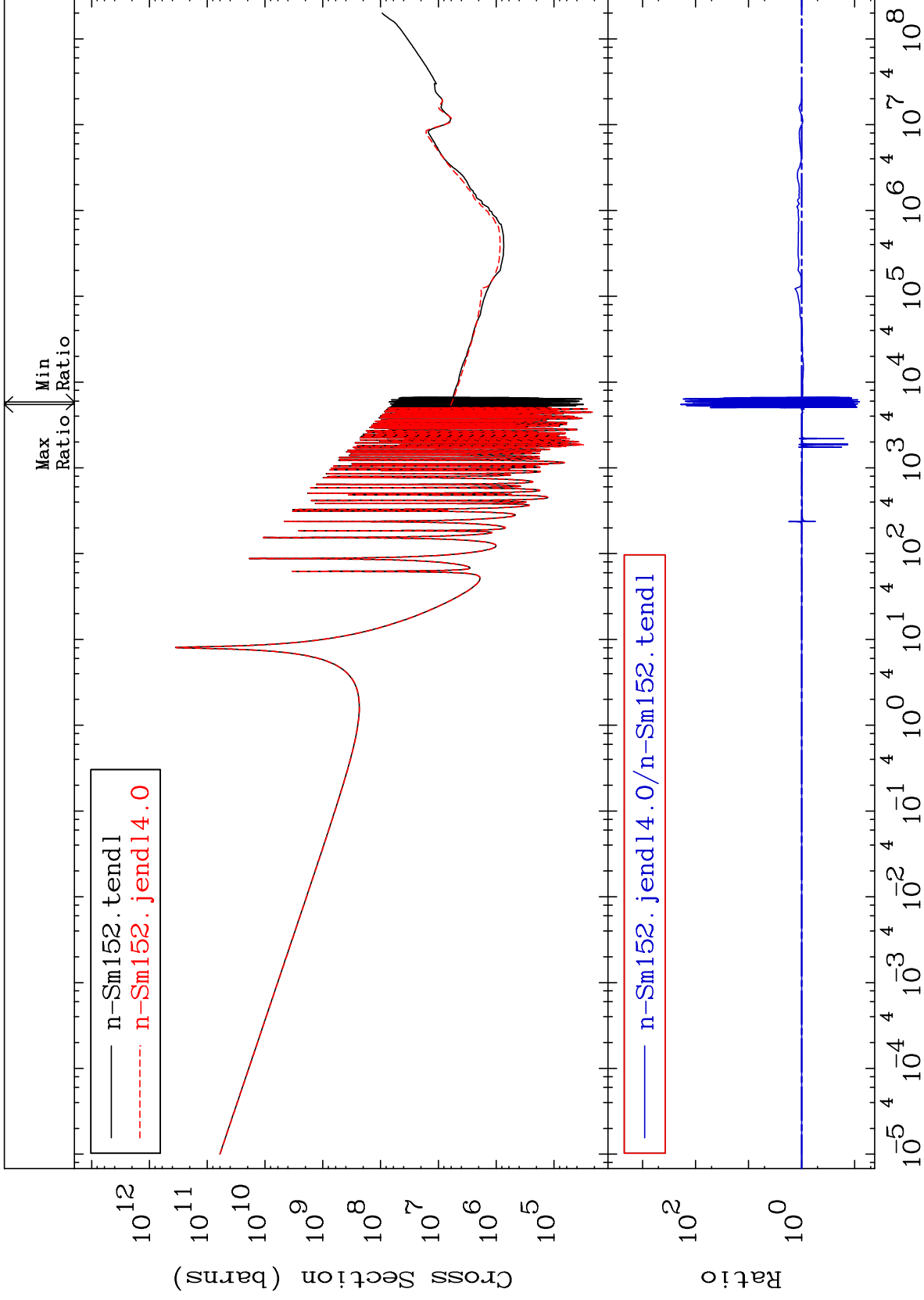
He-4 Production  
Cross Section

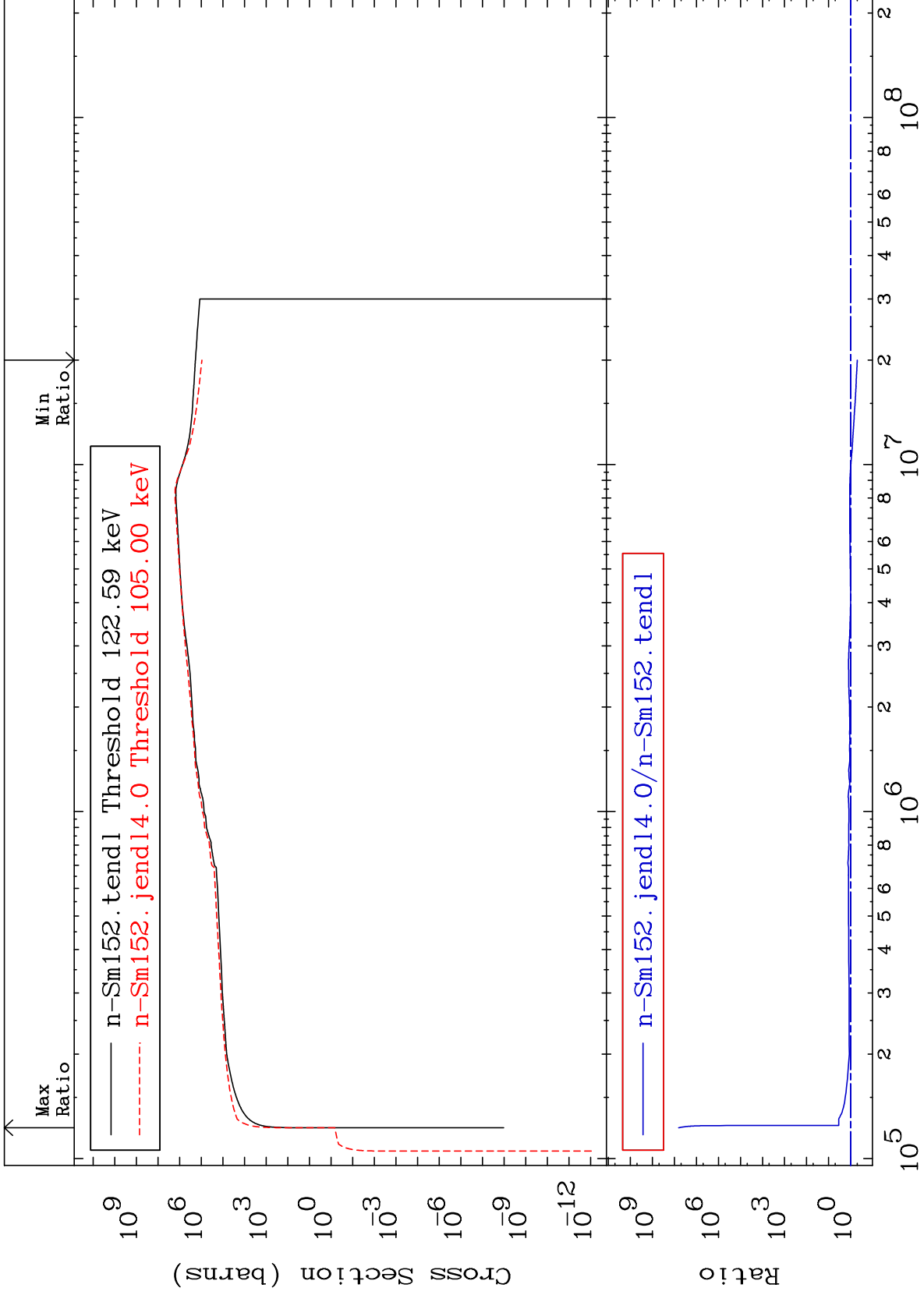
62-Sm-152  
-64.97 To 9999. %









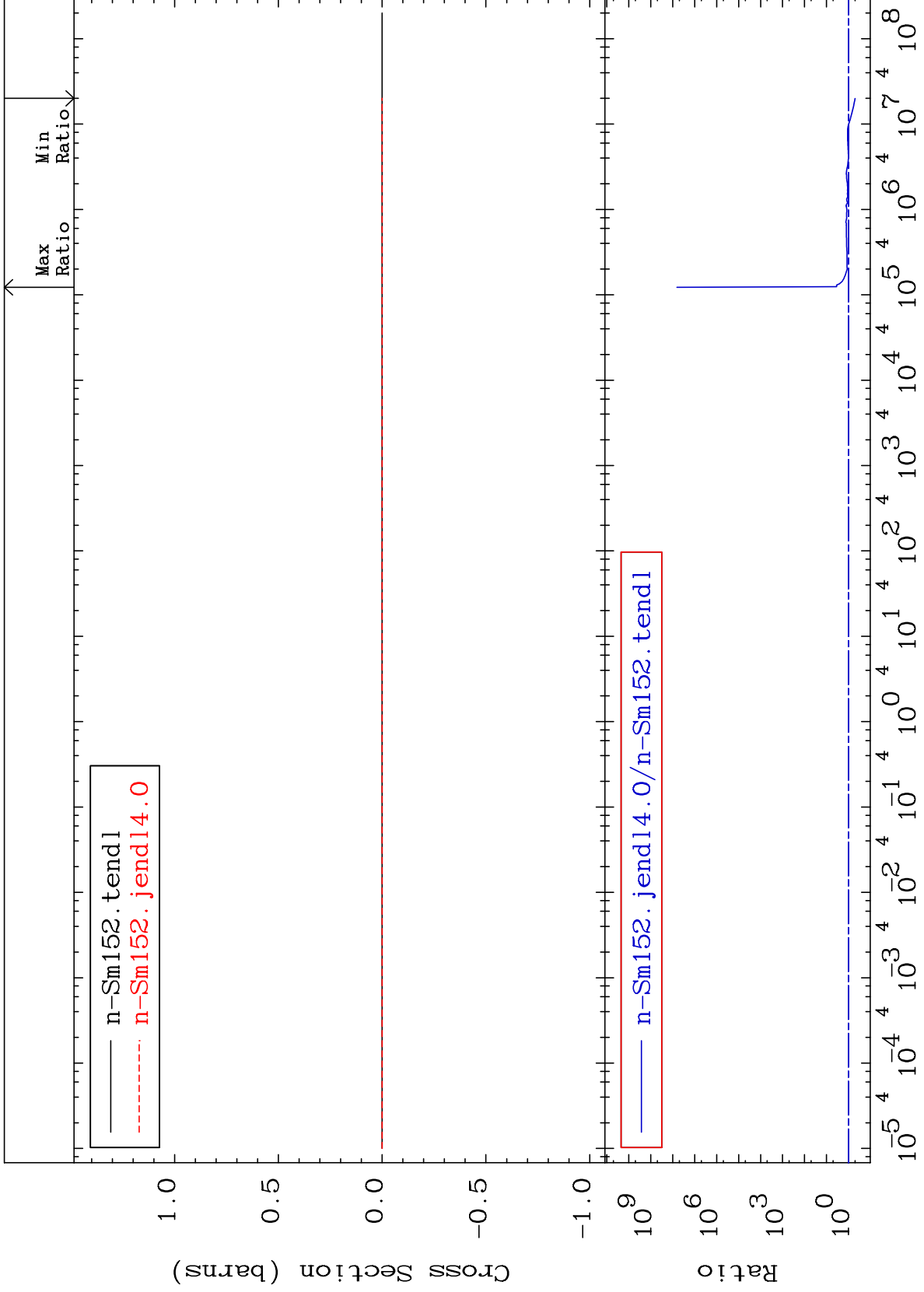


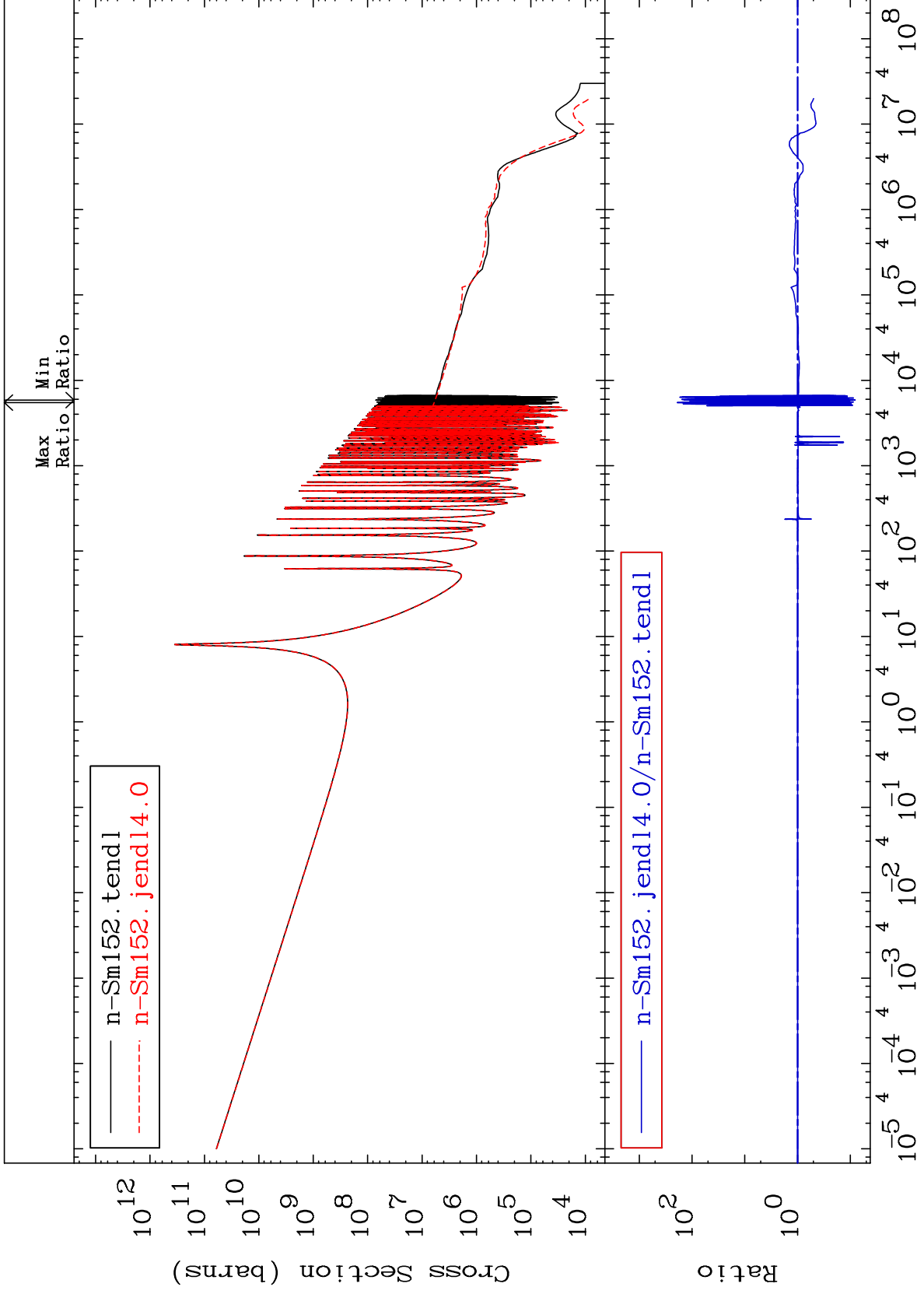


MAT 6249

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

62-Sm-152  
-49.82 To 9999. %

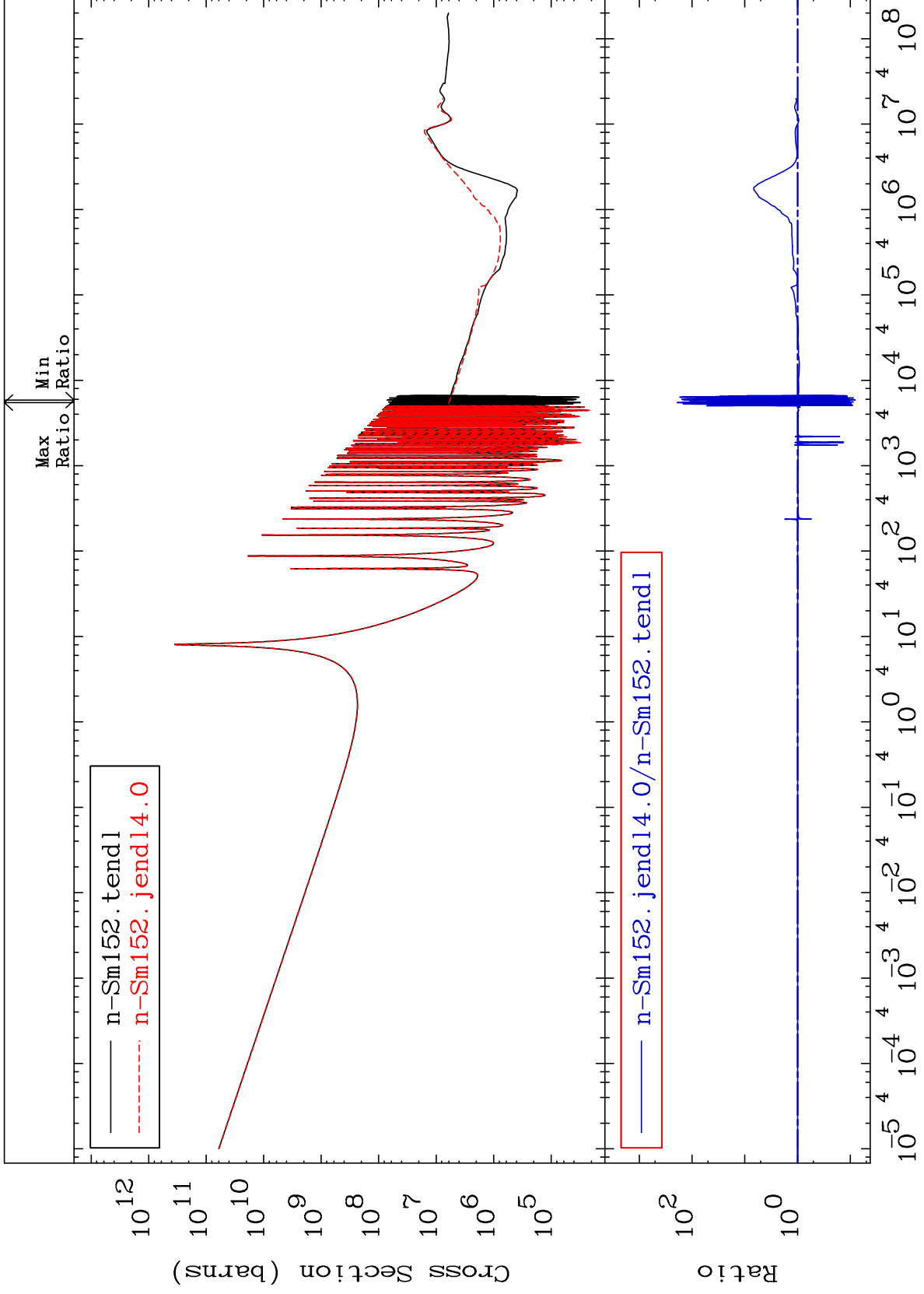


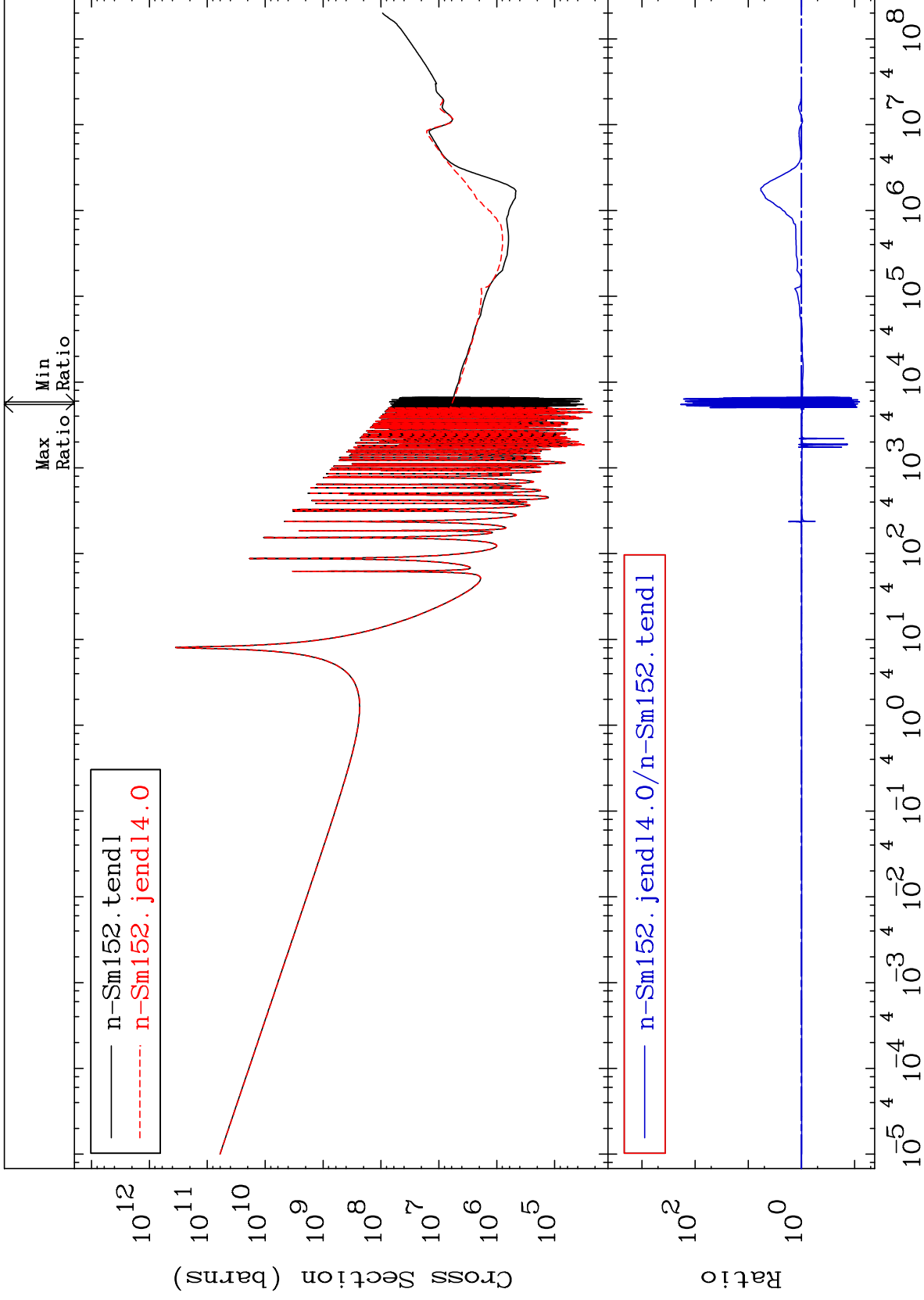


MAT 6249

Total photon (eV-barns)  
Cross Section

62-Sm-152  
-91.88 To 9999. %

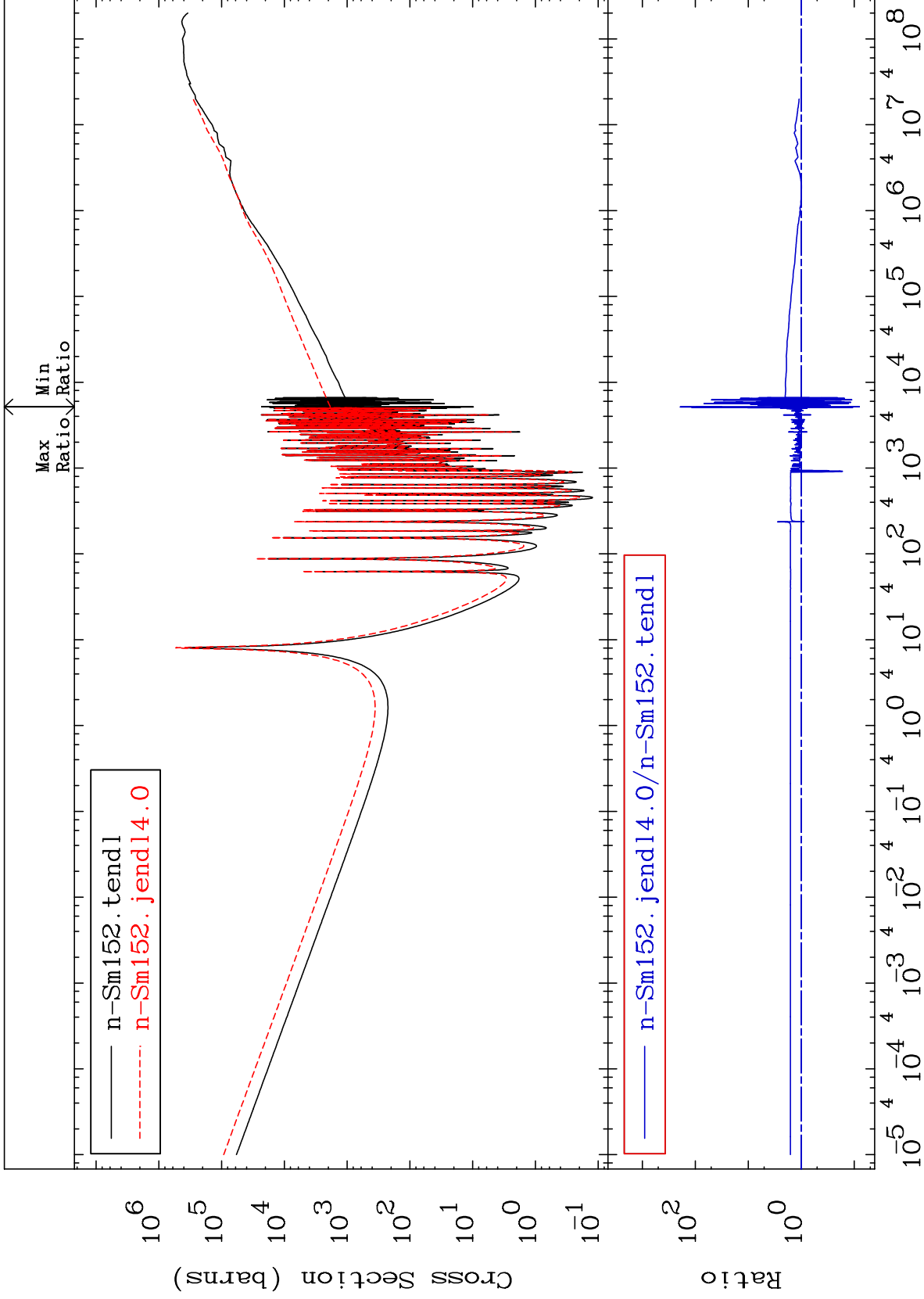




MAT 6249

Dpa total (eV-barns)  
Cross Section

62-Sm-152  
-92.03 To 9999. %



61

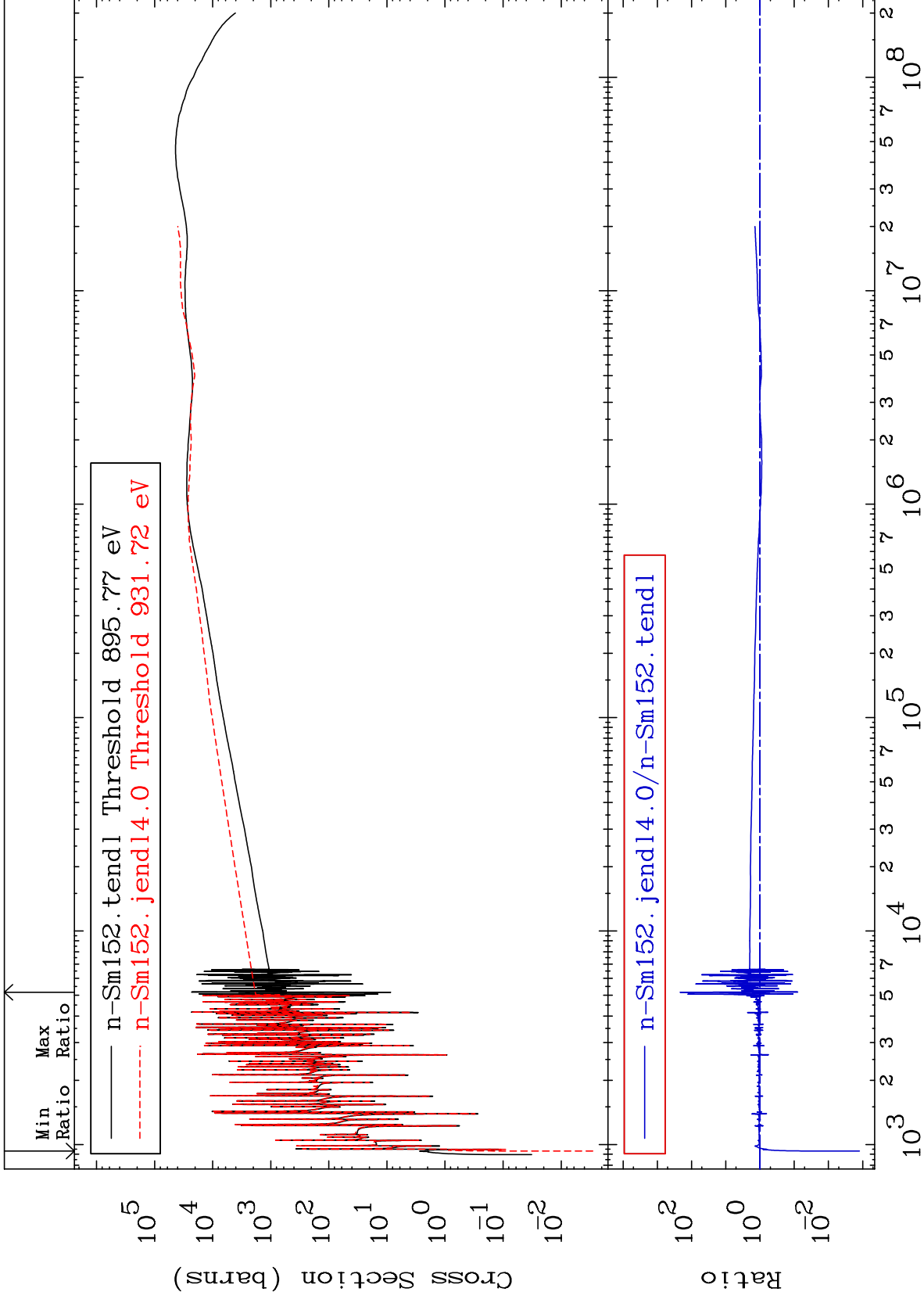
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa elastic (mt2)  
Cross Section

62-Sm-152  
-99.88 To 9999. %



62

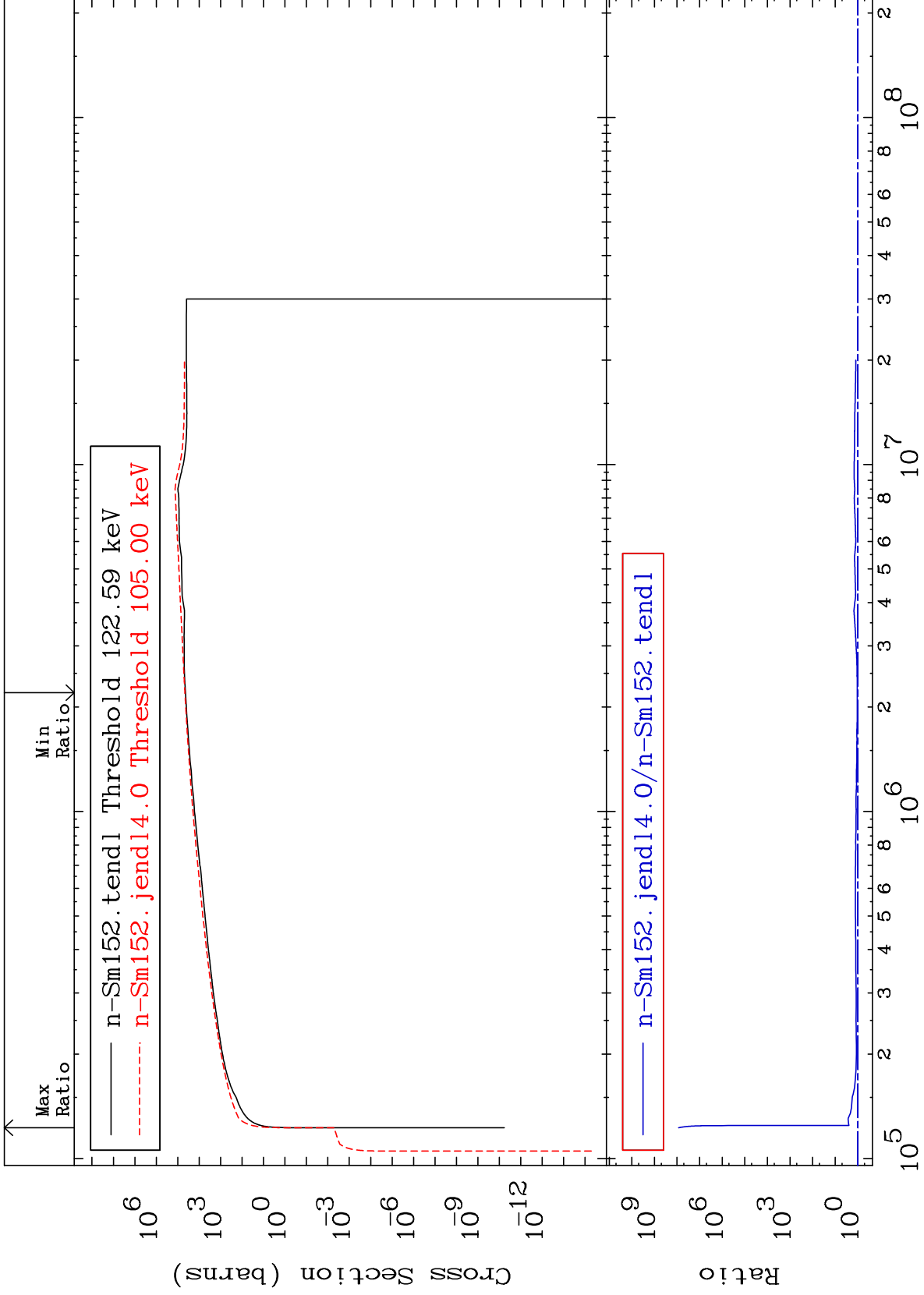
62-Sm-152

62-Sm-152

MAT 6249

Dpa inelastic (mt51-91)  
Cross Section

62-Sm-152  
5.469 To 9999. %



63

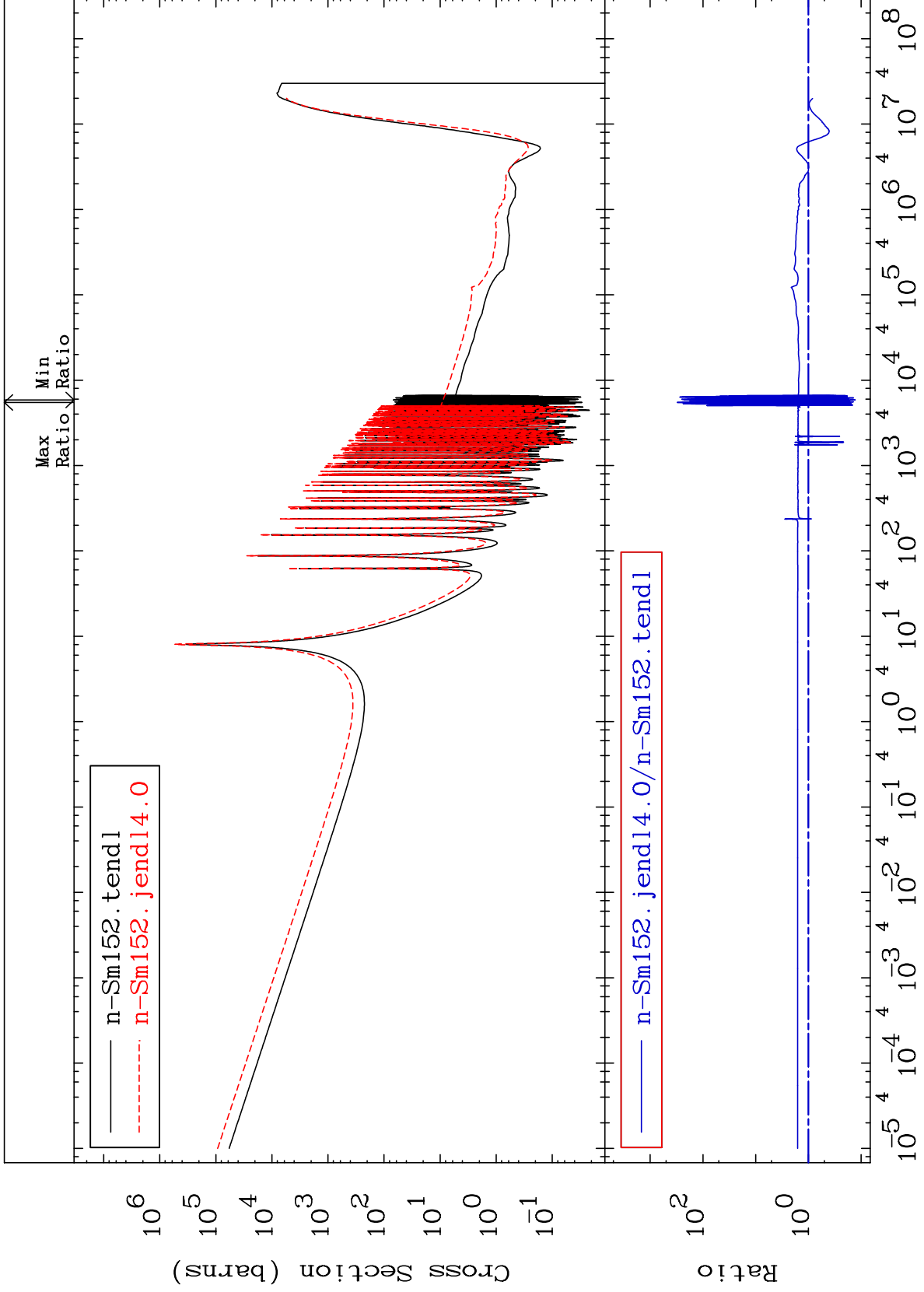
Incident Energy (eV)

62-Sm-152

MAT 6249

Dpa disappearance (mt102 -120)  
Cross Section

62-Sm-152  
-86.94 To 9999. %



64

Incident Energy (eV)

62-Sm-152