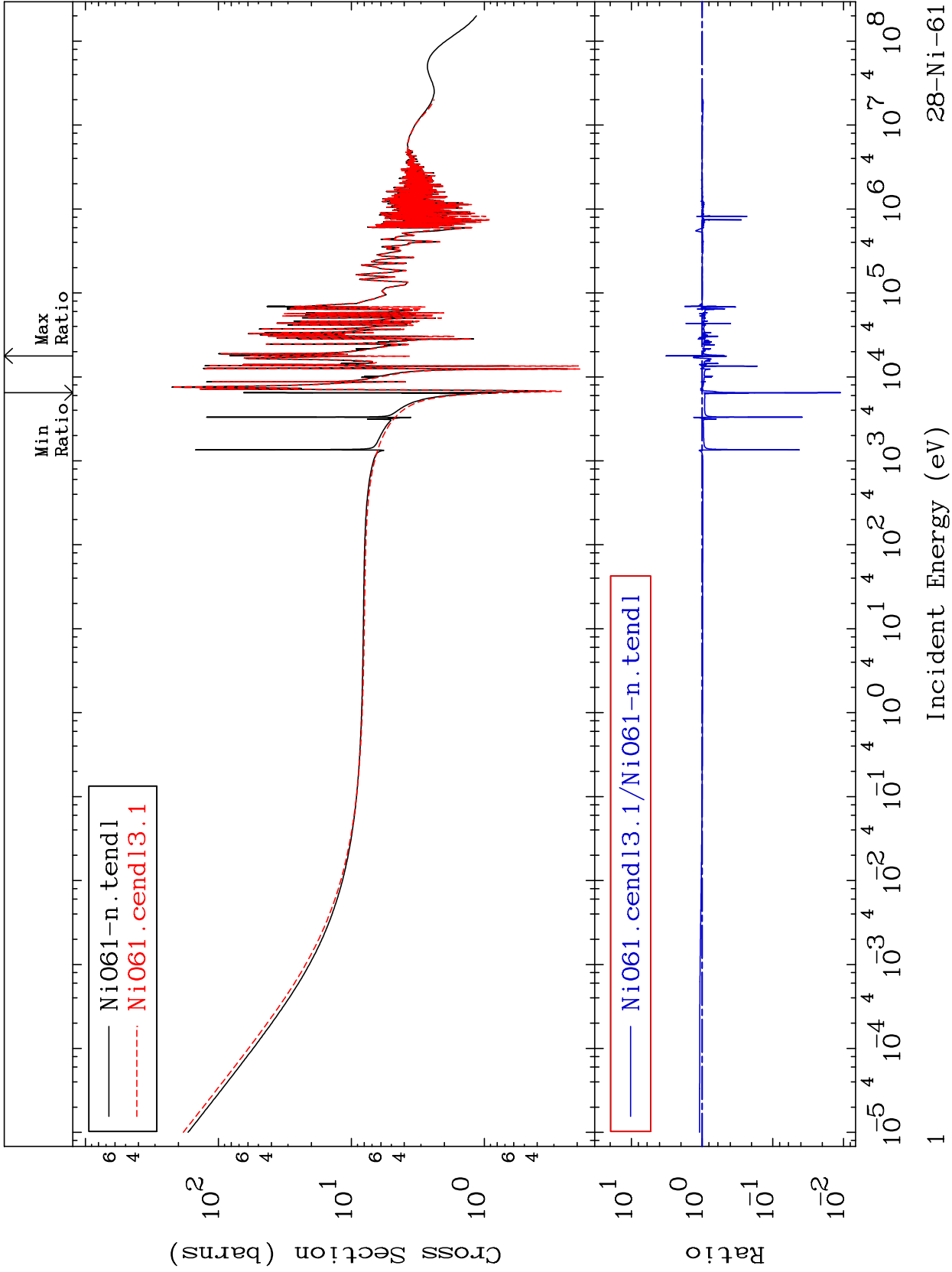


MAT 2834

Total  
Cross Section

28-Ni-61  
-98.90 To 230.0 %



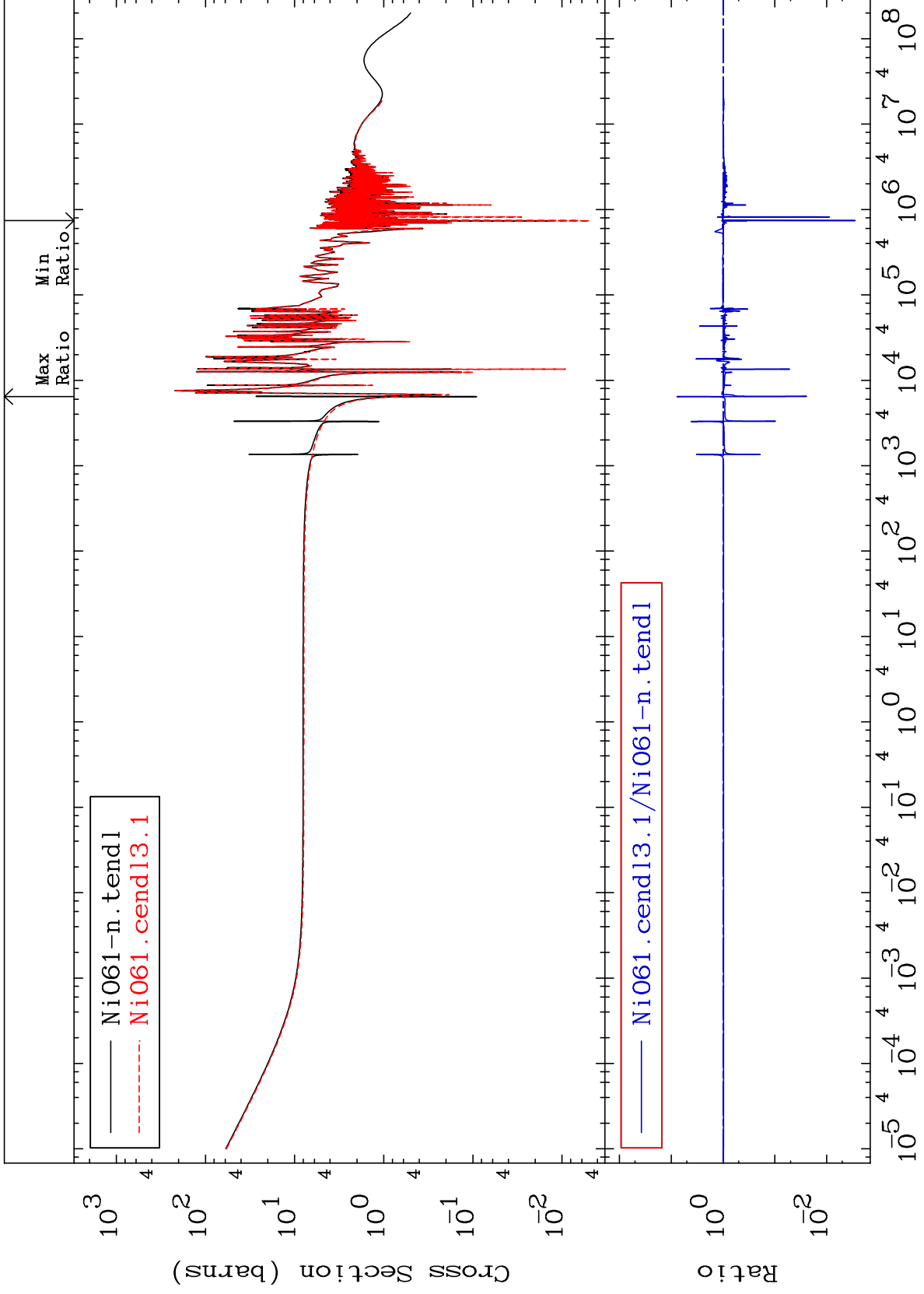
28-Ni-61

Incident Energy (eV)

MAT 2834

Elastic  
Cross Section

28-Ni-61  
-99.72 To 678.1 %



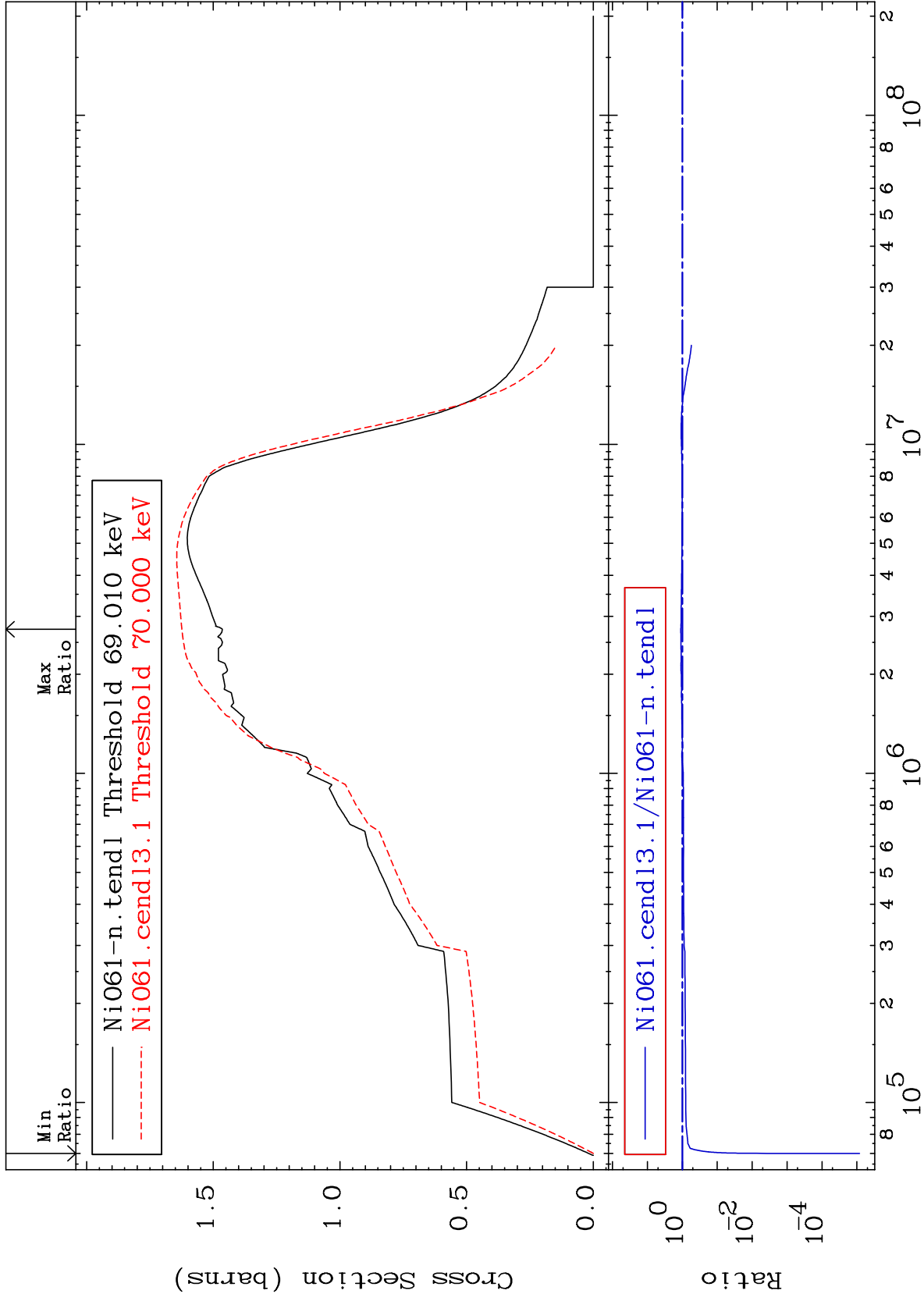
28-Ni-61

28-Ni-61

MAT 2834

28-Ni-61  
-100.0 To 10.92 %

Inelastic  
Cross Section



3

Incident Energy (eV)

28-Ni-61

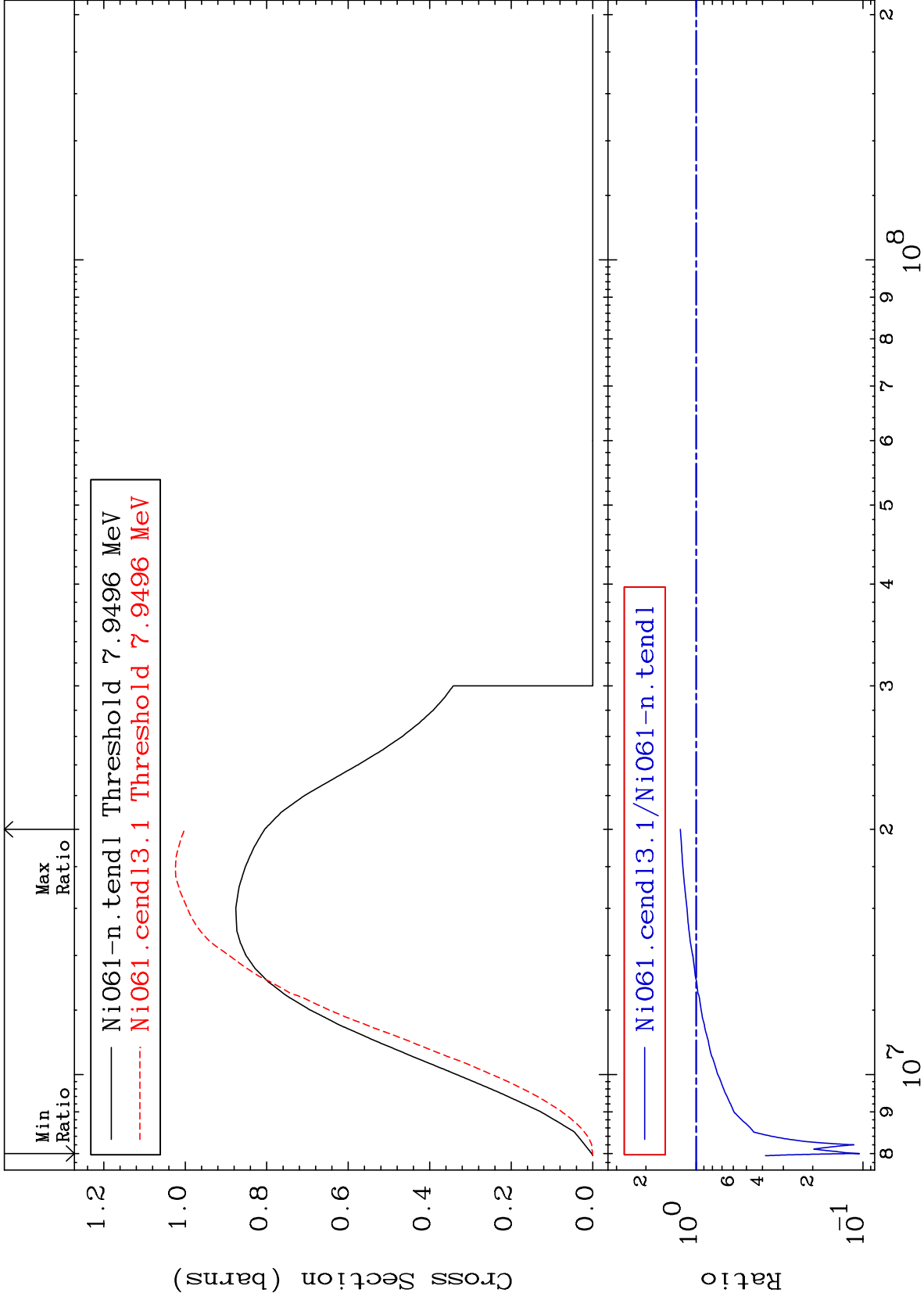
MAT 2834

(n,2n)

28-Ni-61

Cross Section

-89.50 To 24.39 %



4

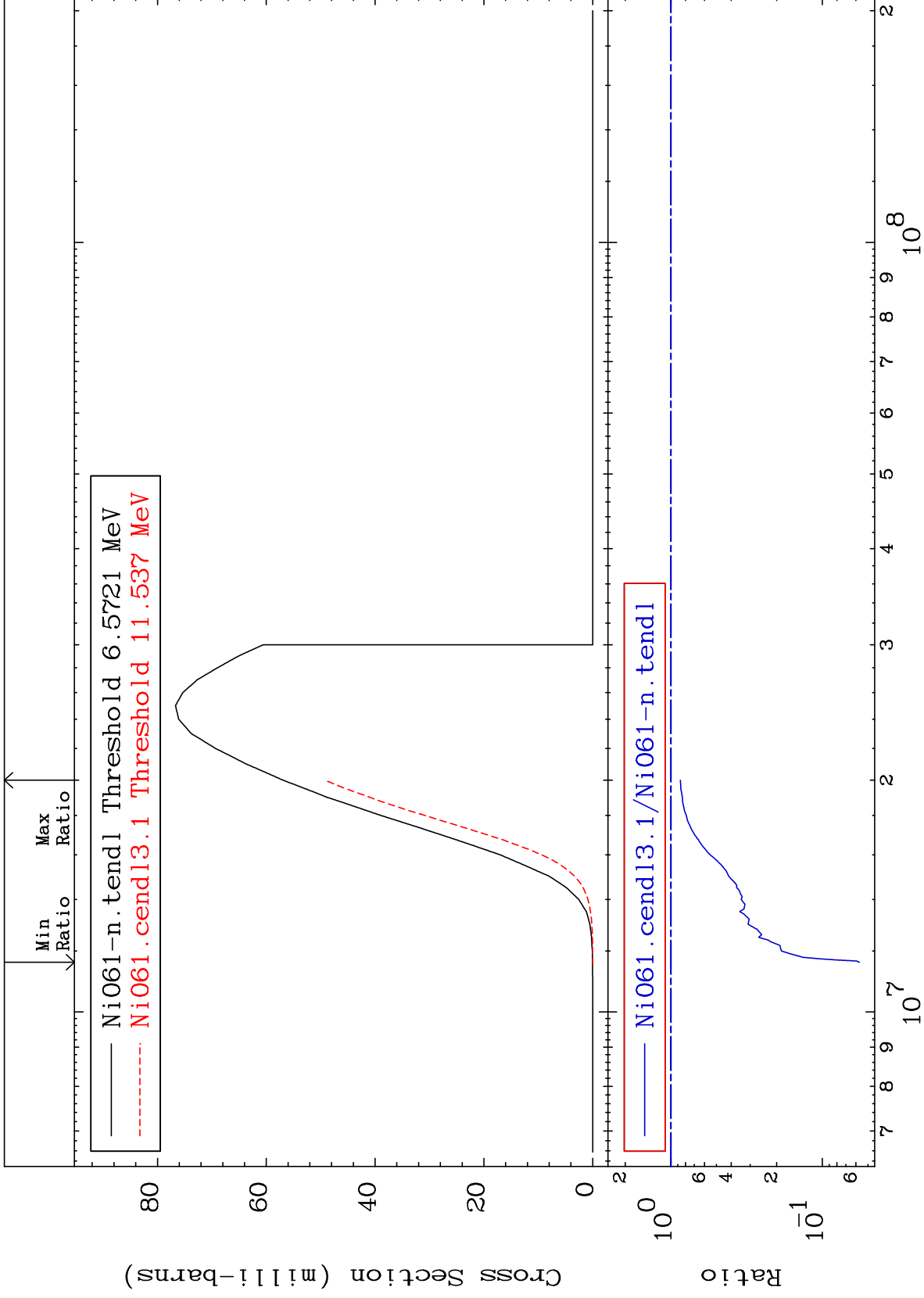
Incident Energy (eV)

28-Ni-61

MAT 2834

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

28-Ni-61  
-94.31 To -13.43%



5

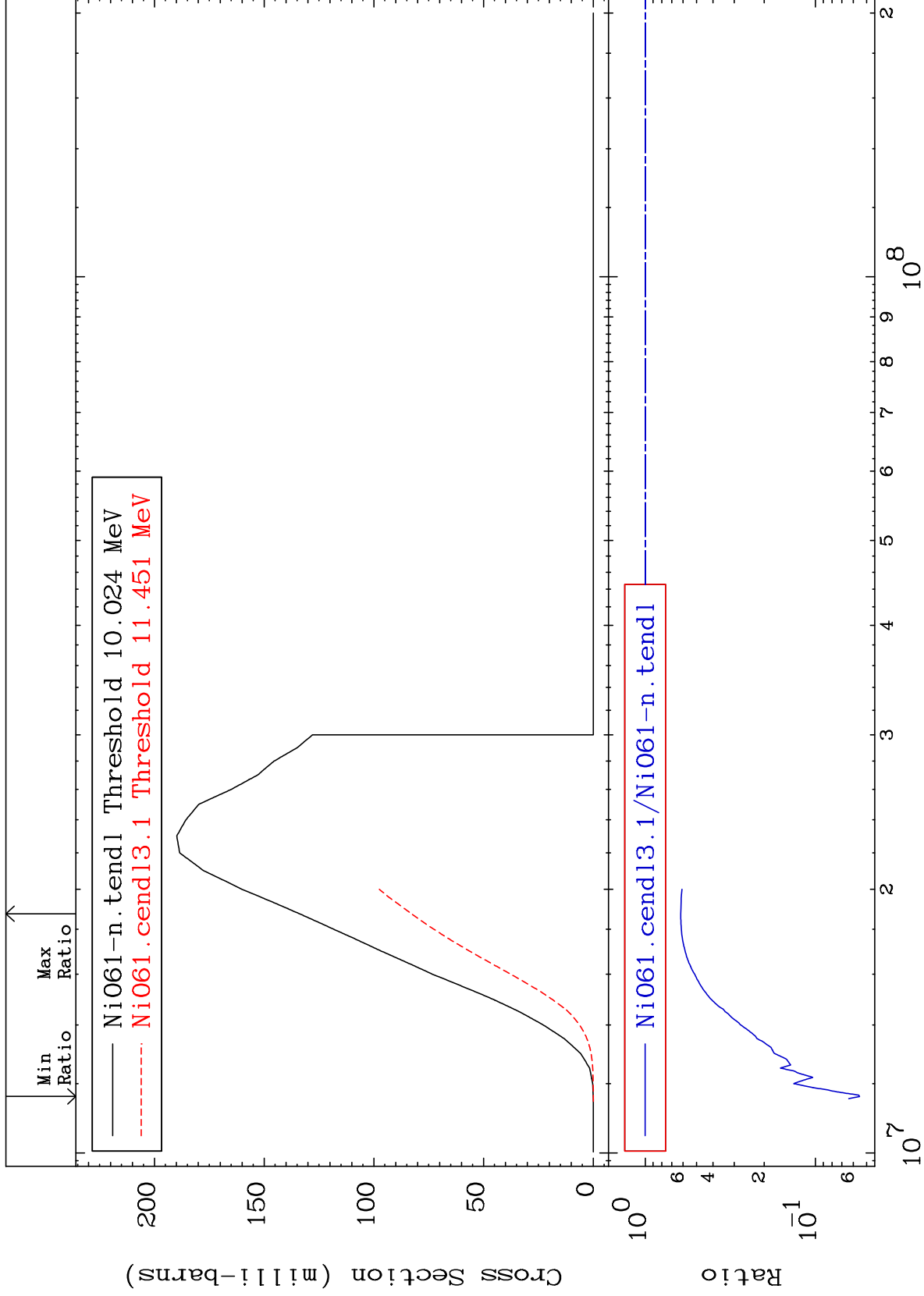
Incident Energy (eV)

28-Ni-61

MAT 2834

(n,n') p  
Cross Section

28-Ni-61  
-94.49 To -38.10%



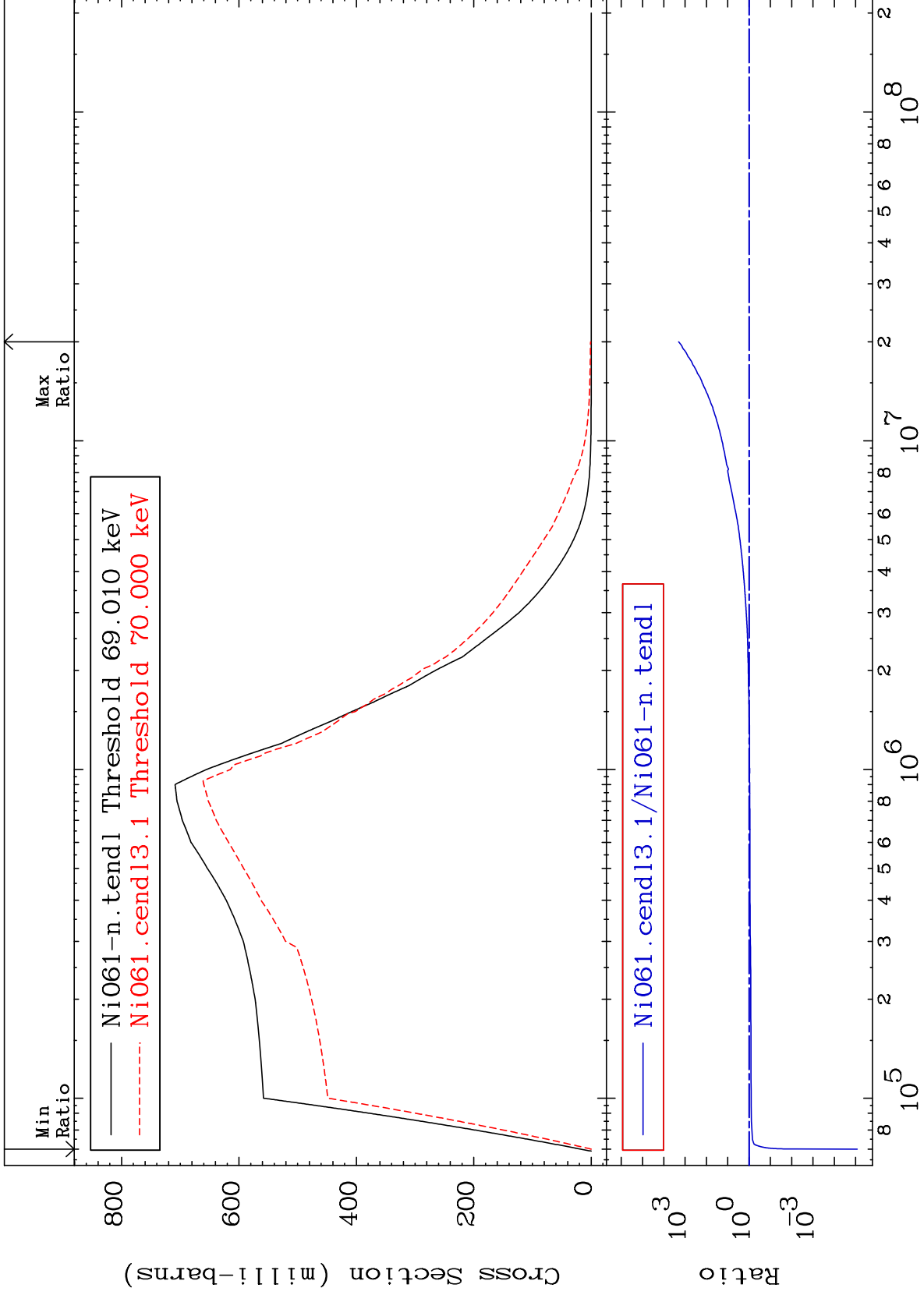
Incident Energy (eV)

28-Ni-61

MAT 2834

67.41 keV (n,n') Level  
Cross Section

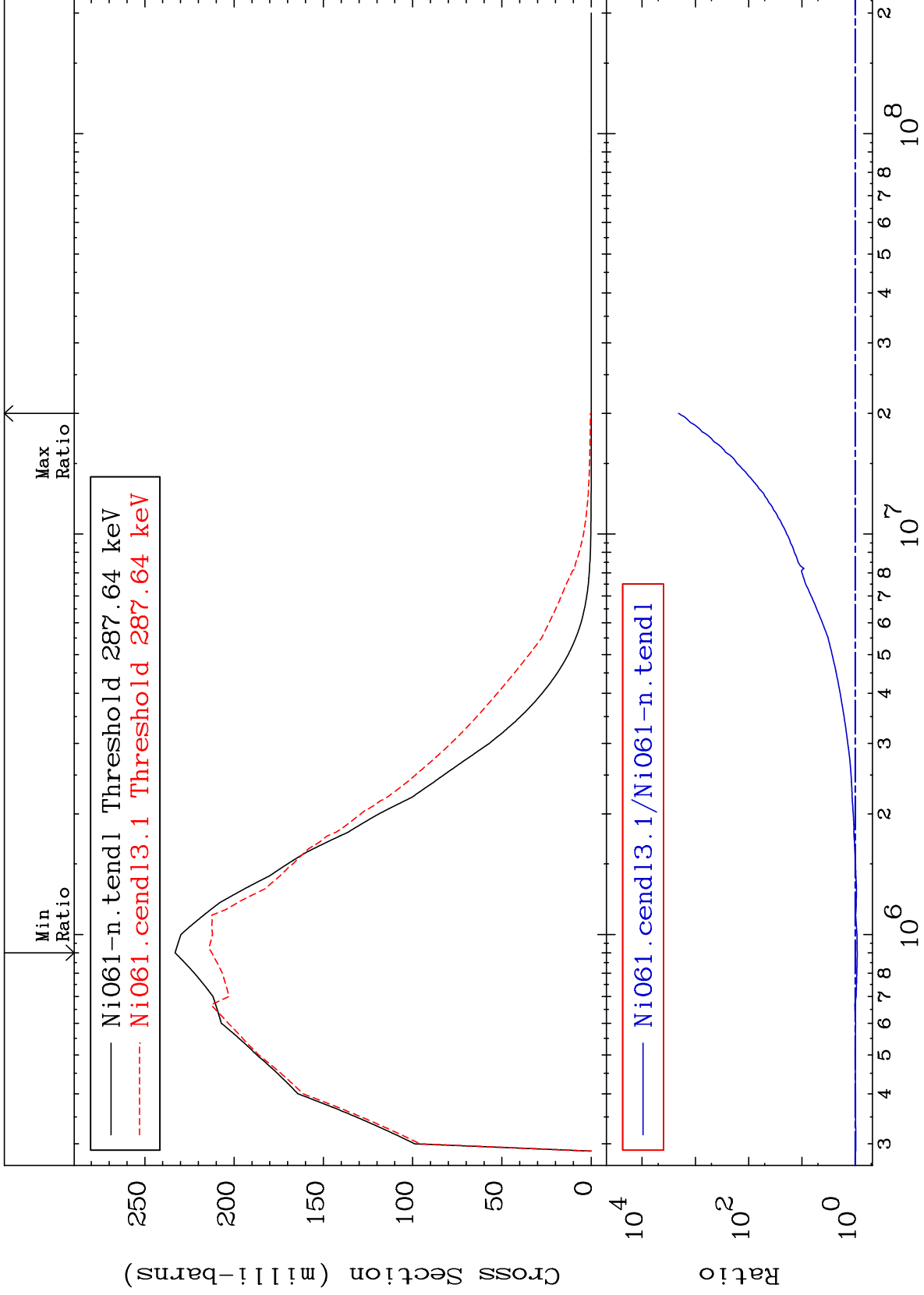
28-Ni-61  
-100.0 To 9999. %



MAT 2834

283.0 keV (n,n') Level  
Cross Section

28-Ni-61  
-8.819 To 9999. %



8

Incident Energy (eV)

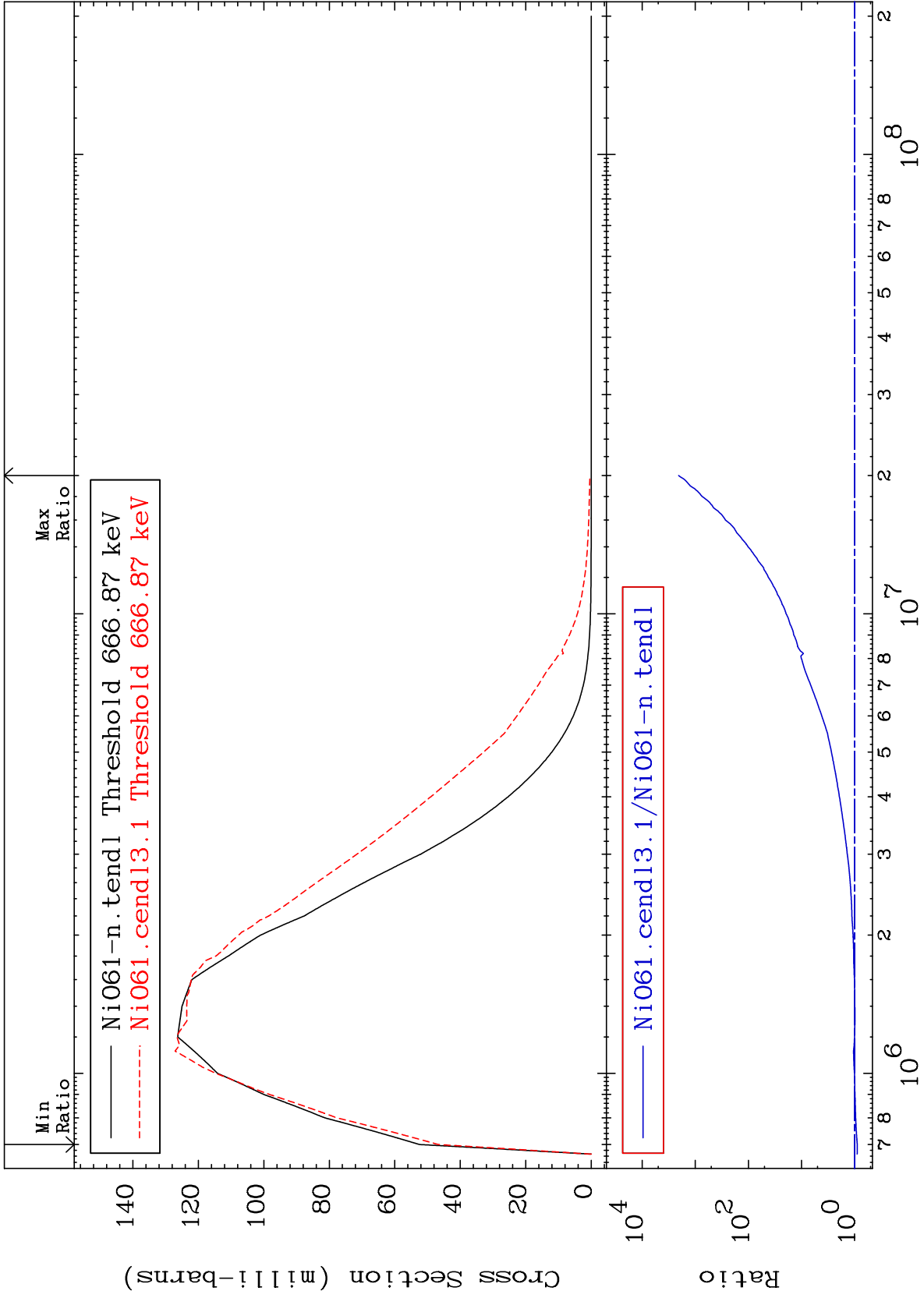
28-Ni-61



MAT 2834

656.0 keV (n,n') Level  
Cross Section

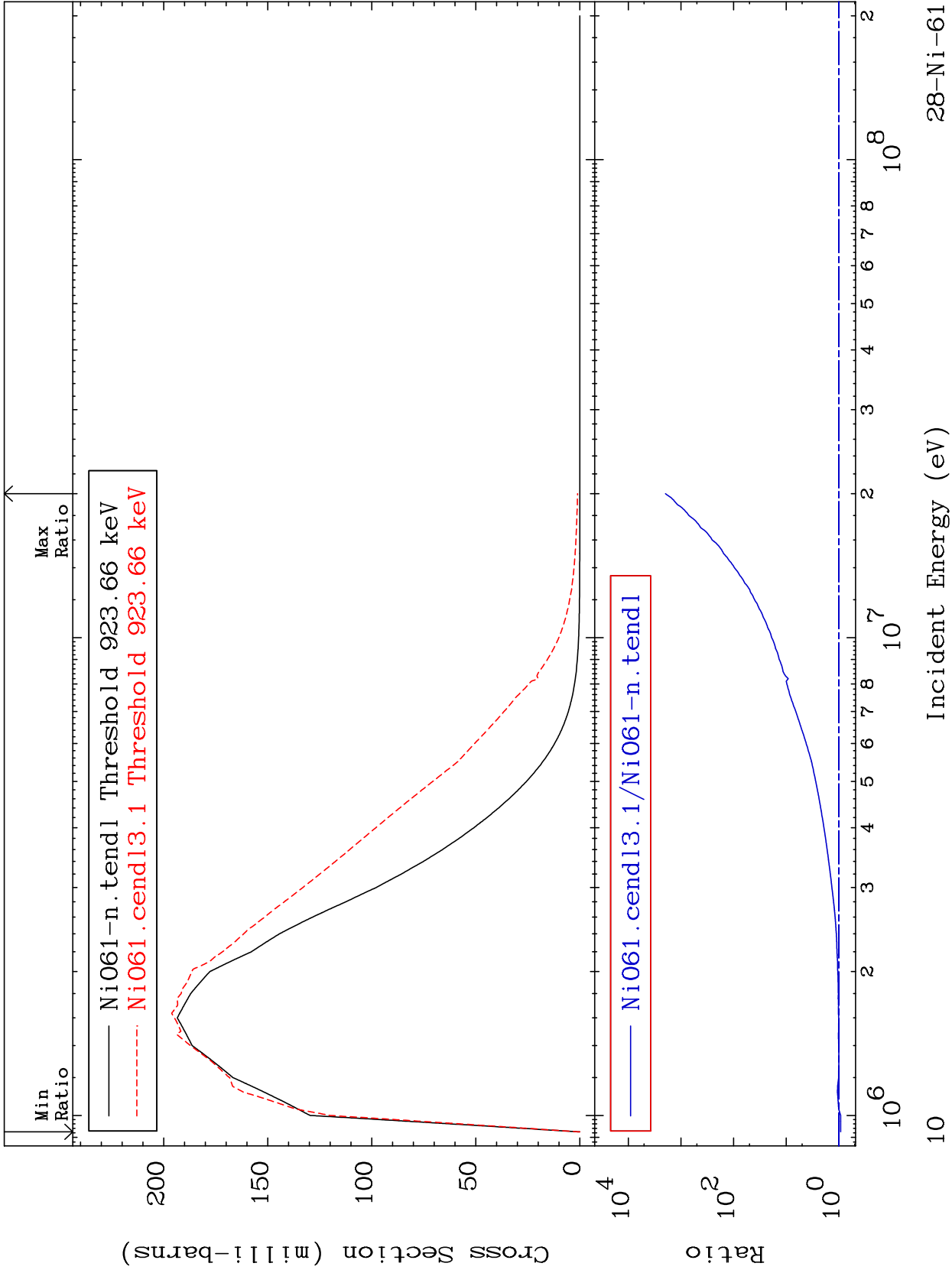
28-Ni-61  
-10.94 To 9999. %



MAT 2834

908.6 keV (n,n') Level  
Cross Section

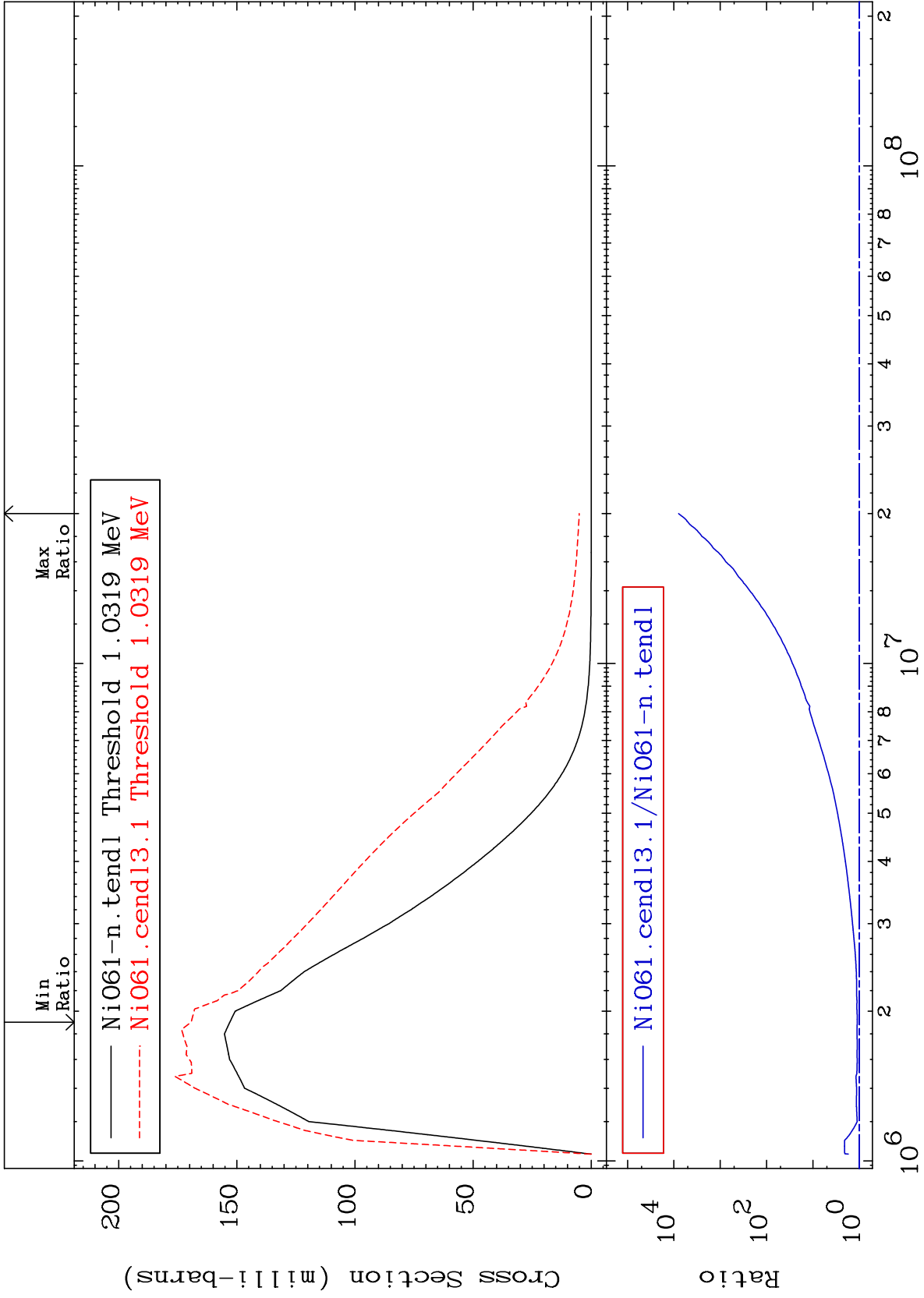
28-Ni-61  
-7.444 To 9999. %



MAT 2834

1.015 MeV (n,n') Level  
Cross Section

28-Ni-61  
10.70 To 9999. %



11

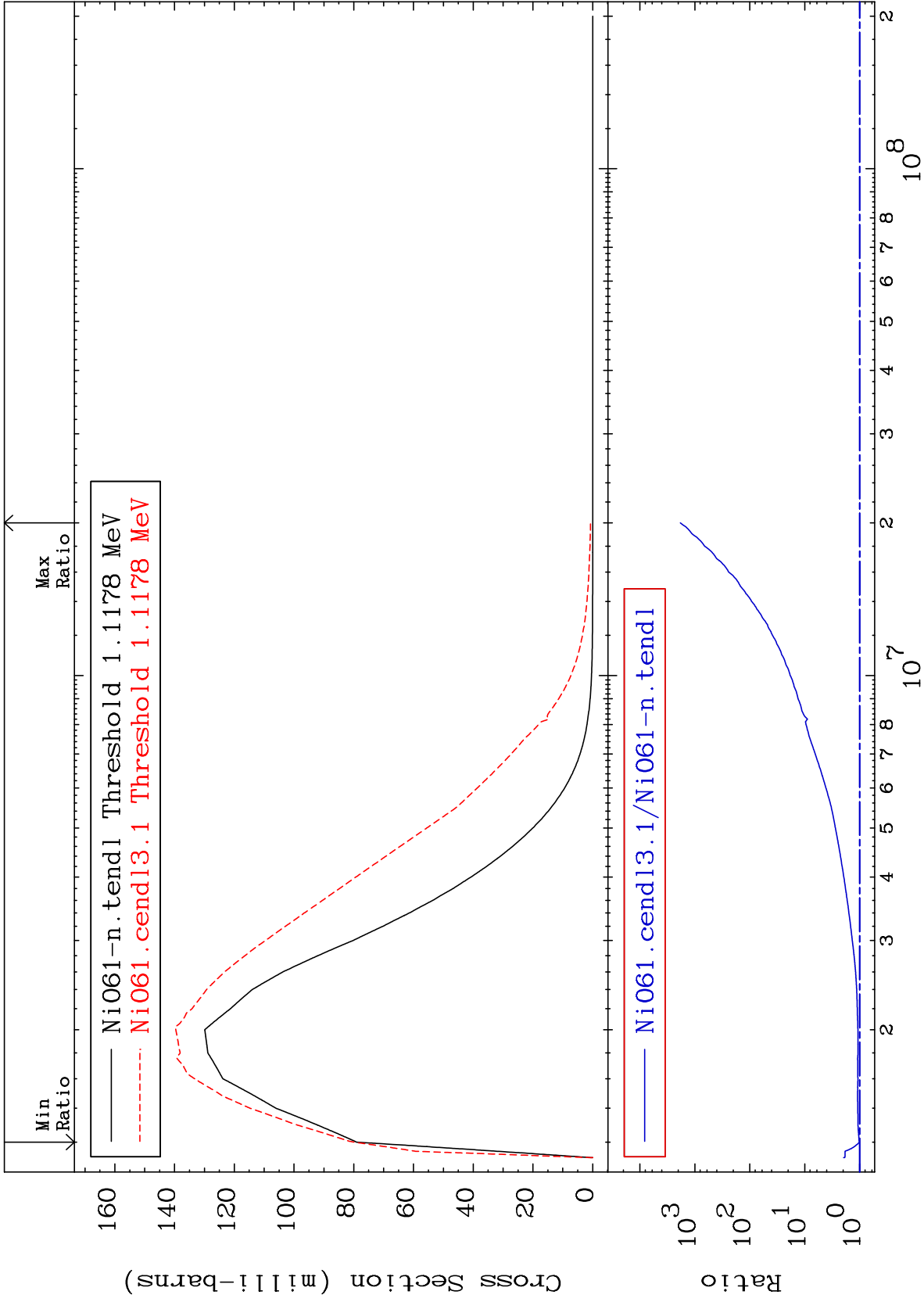
Incident Energy (eV)

28-Ni-61

MAT 2834

1.100 MeV (n,n') Level  
Cross Section

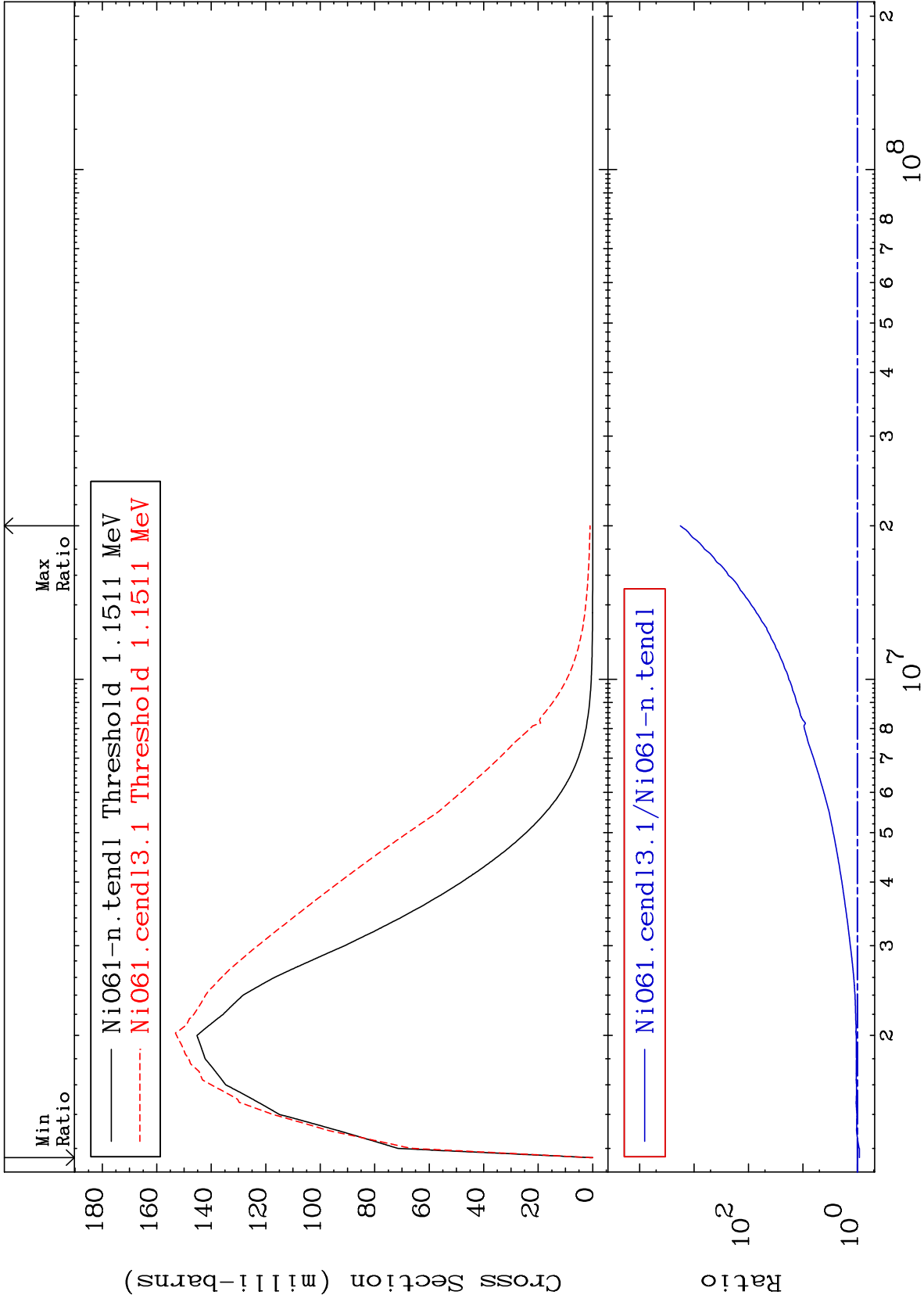
28-Ni-61  
1.082 To 9999. %



MAT 2834

1.132 MeV (n,n') Level  
Cross Section

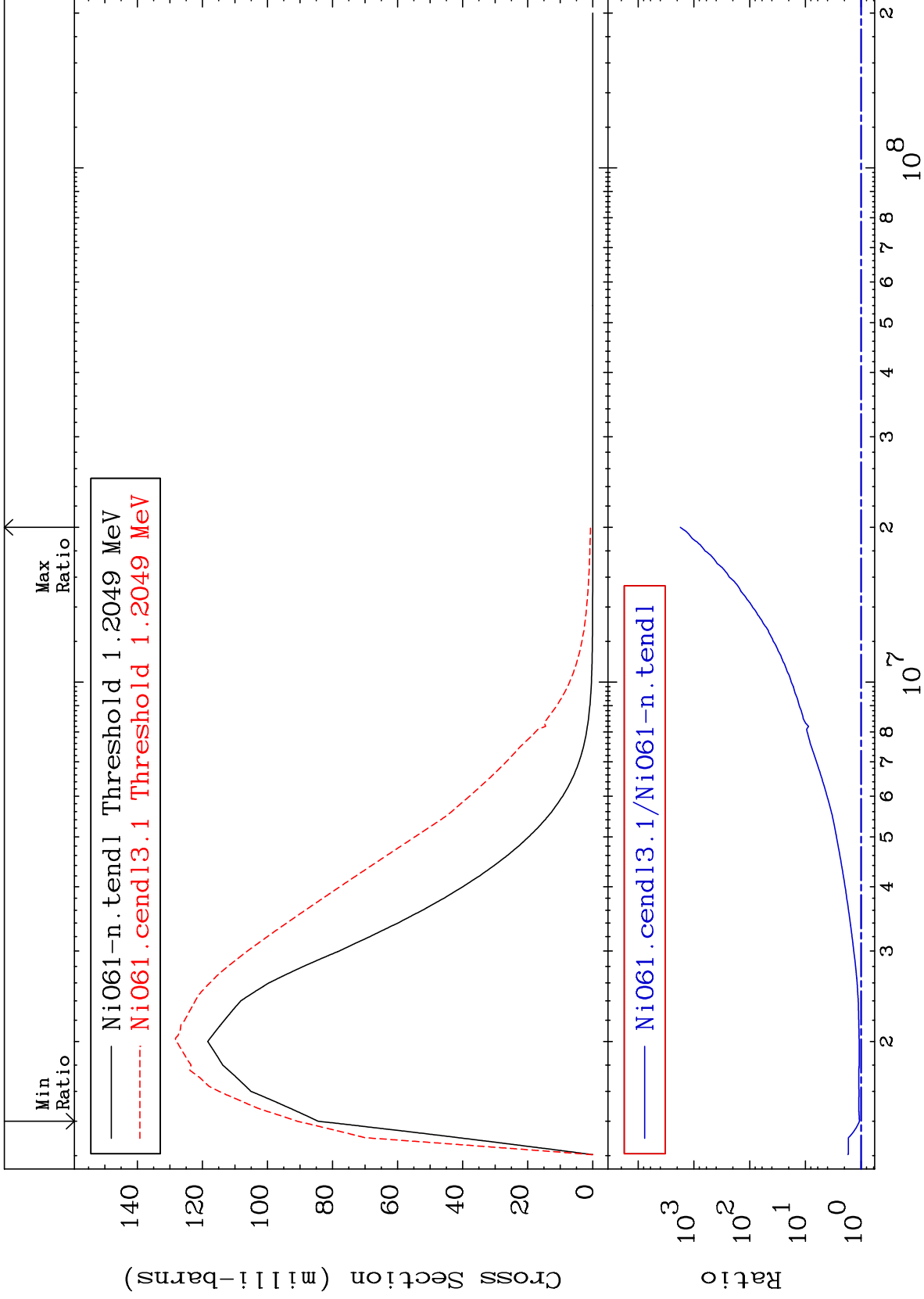
28-Ni-61  
-8.236 To 9999. %



MAT 2834

1.185 MeV (n,n') Level  
Cross Section

28-Ni-61  
7.564 To 9999. %



14

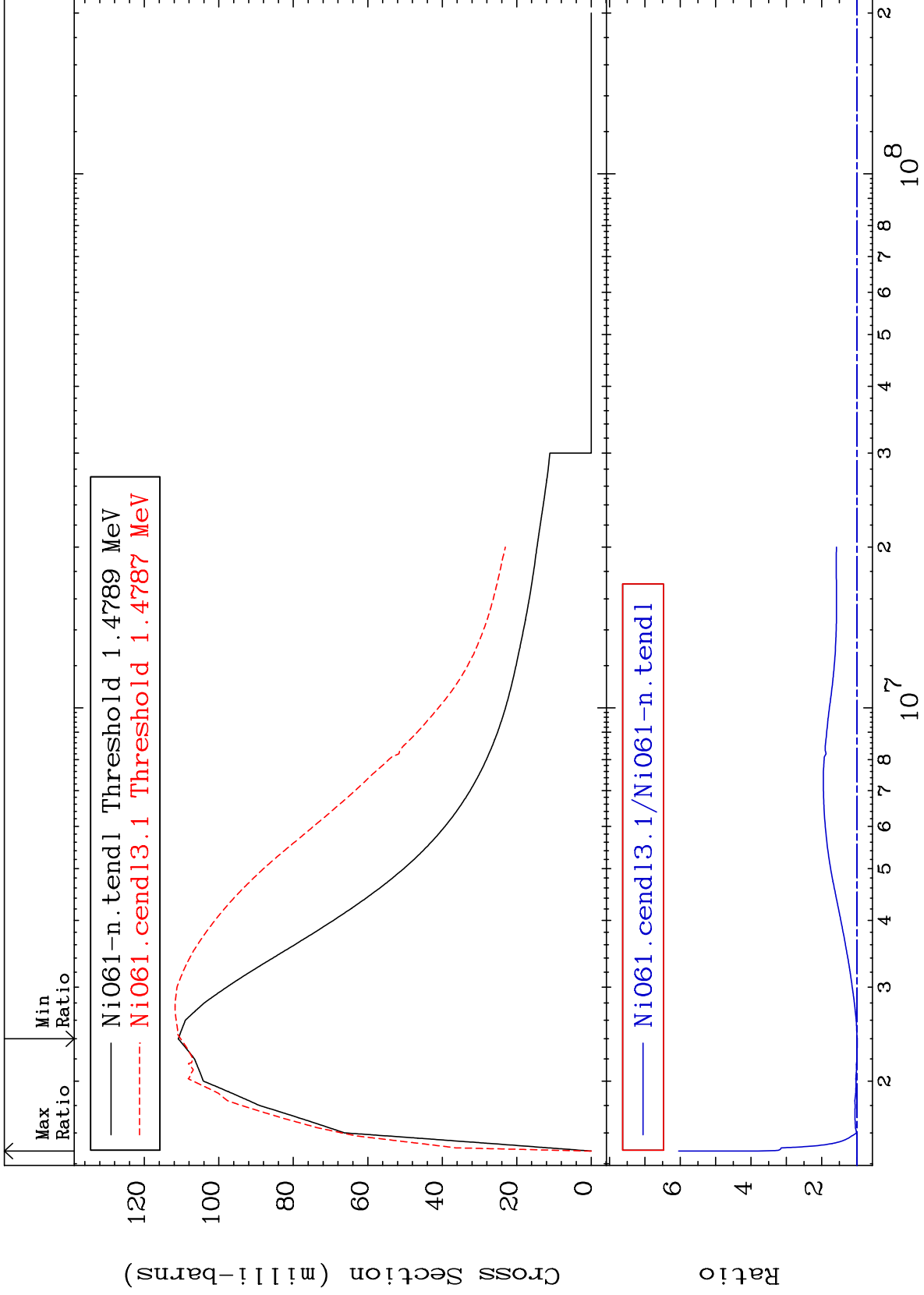
Incident Energy (eV)

28-Ni-61

MAT 2834

1.455 MeV (n,n') Level  
Cross Section

28-Ni-61  
-0.570 To 504.5 %



15

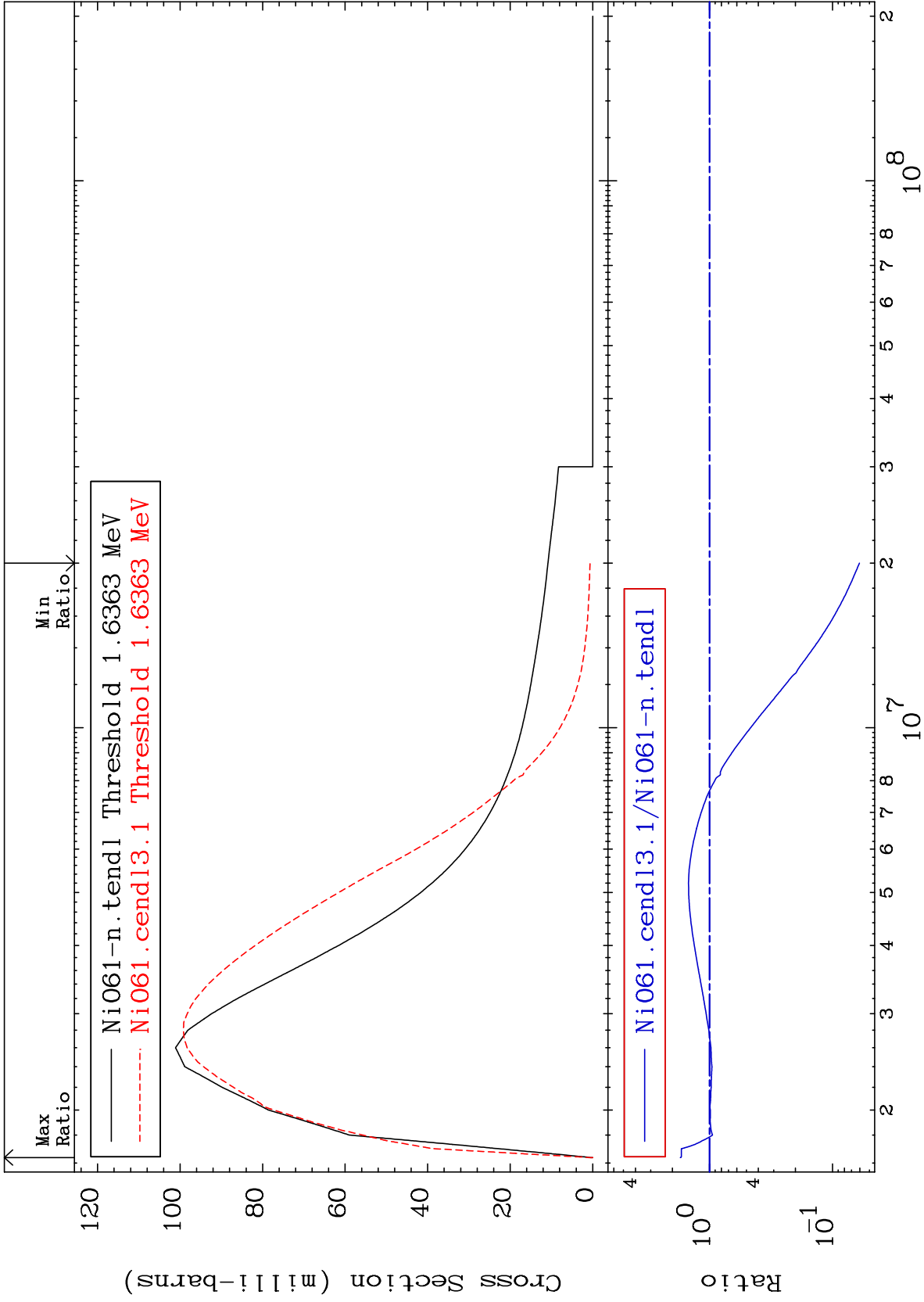
Incident Energy (eV)

28-Ni-61

MAT 2834

1.610 MeV (n,n') Level  
Cross Section

28-Ni-61  
-93.96 To 72.37 %



16

Incident Energy (eV)

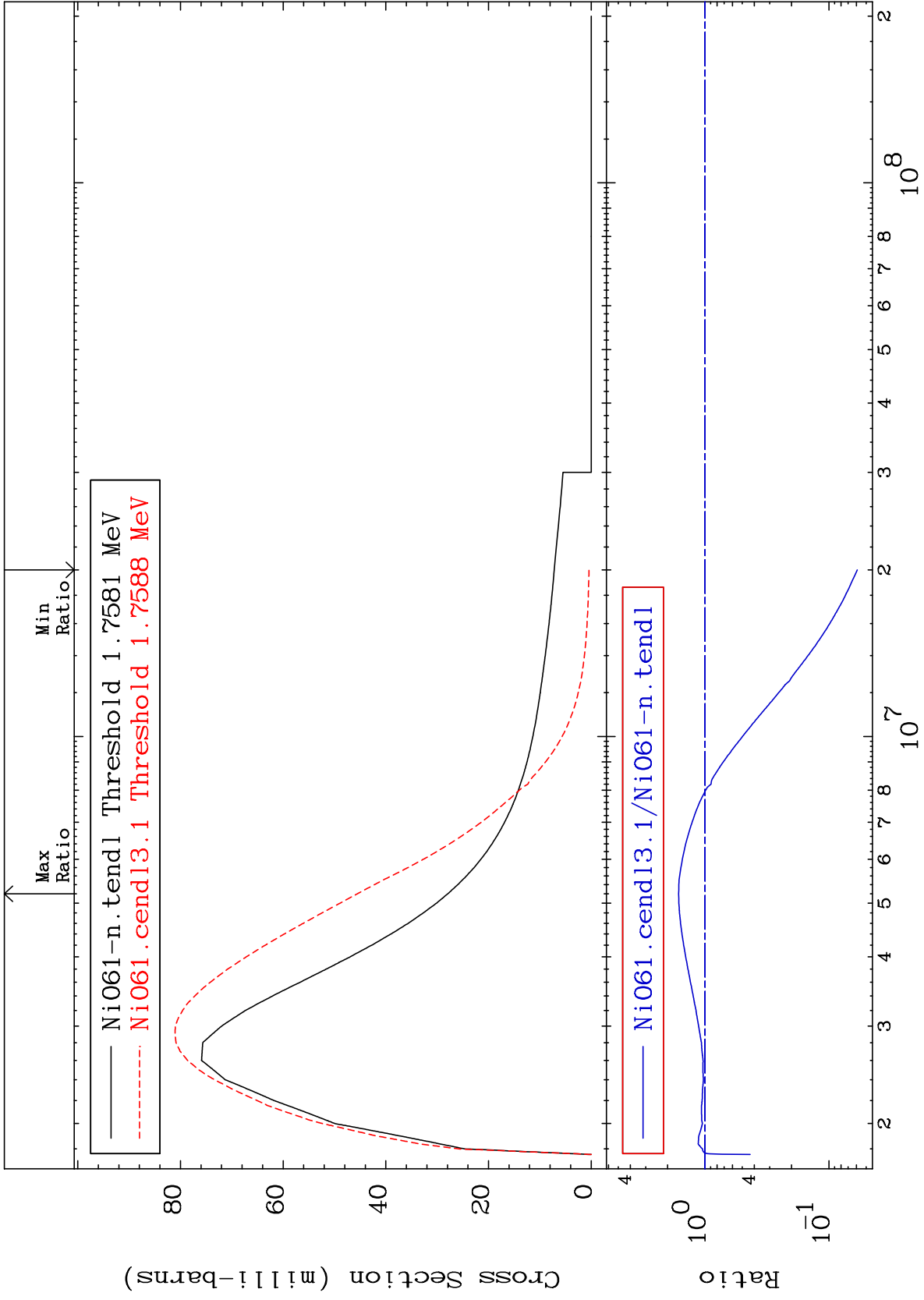
28-Ni-61



MAT 2834

1.729 MeV (n,n') Level  
Cross Section

28-Ni-61  
-94.09 To 63.04 %



17

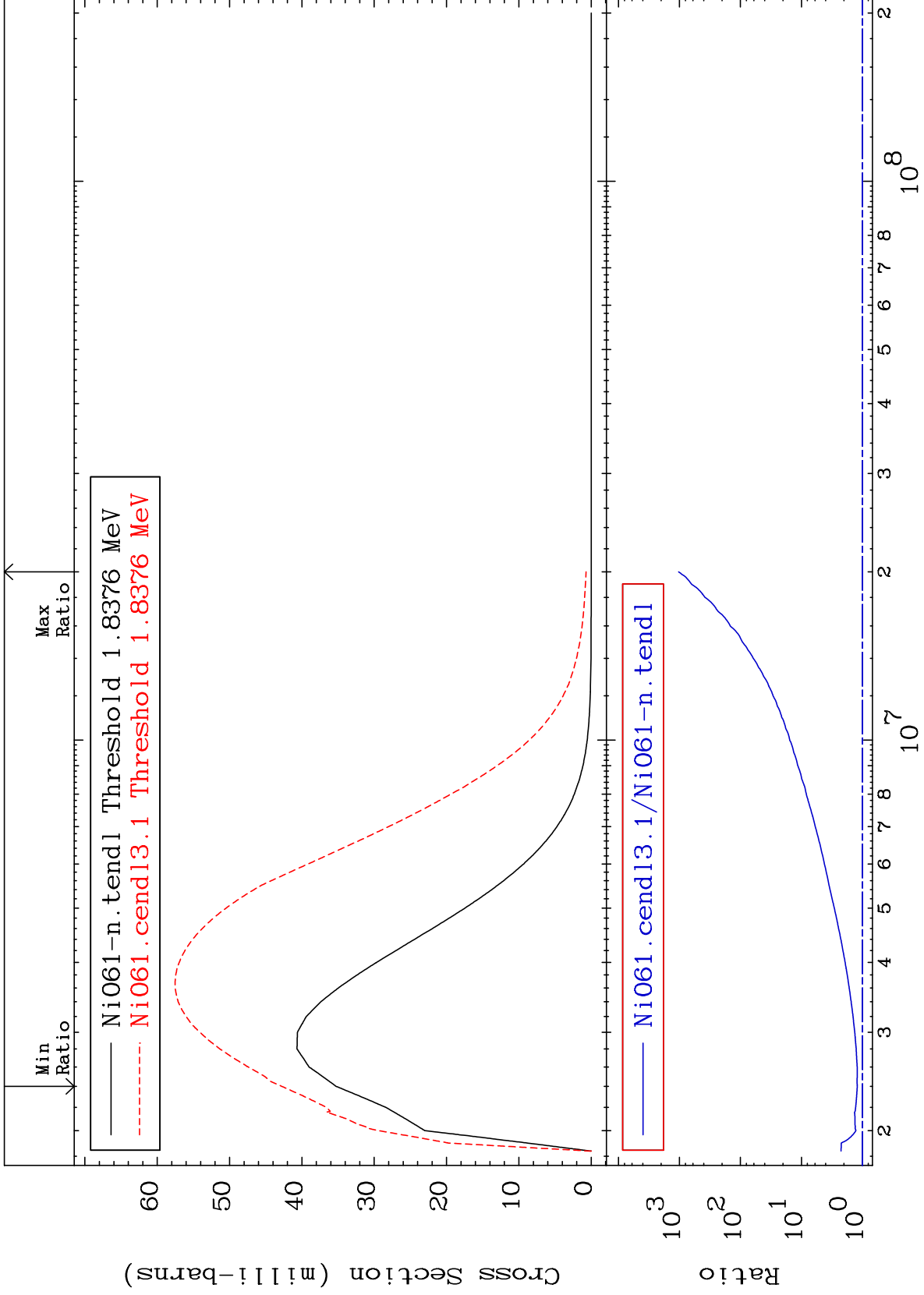
Incident Energy (eV)

28-Ni-61

MAT 2834

1.808 MeV (n,n') Level  
Cross Section

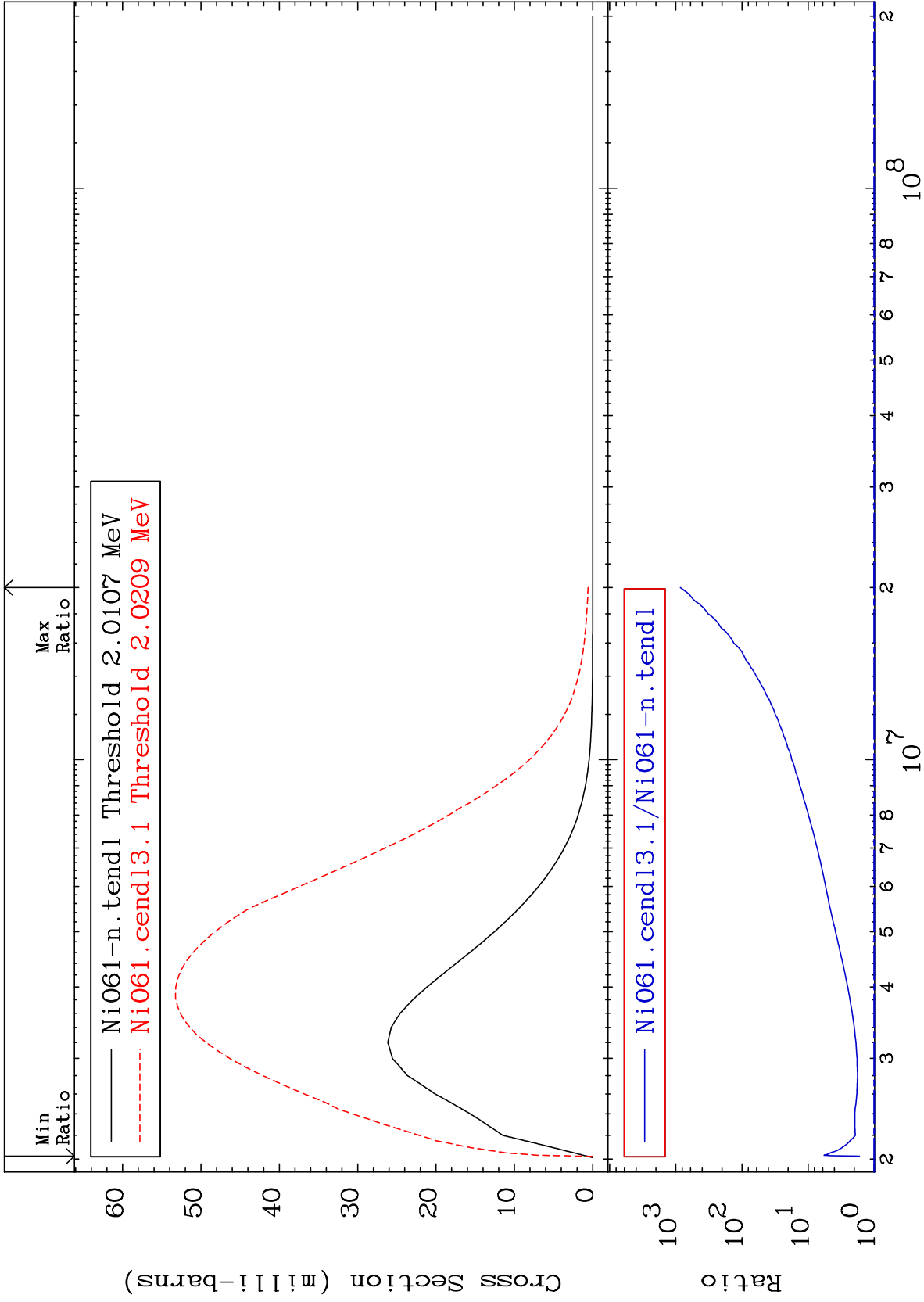
21.31 To 9999. %  
28-Ni-61



MAT 2834

1.978 MeV (n,n') Level  
Cross Section

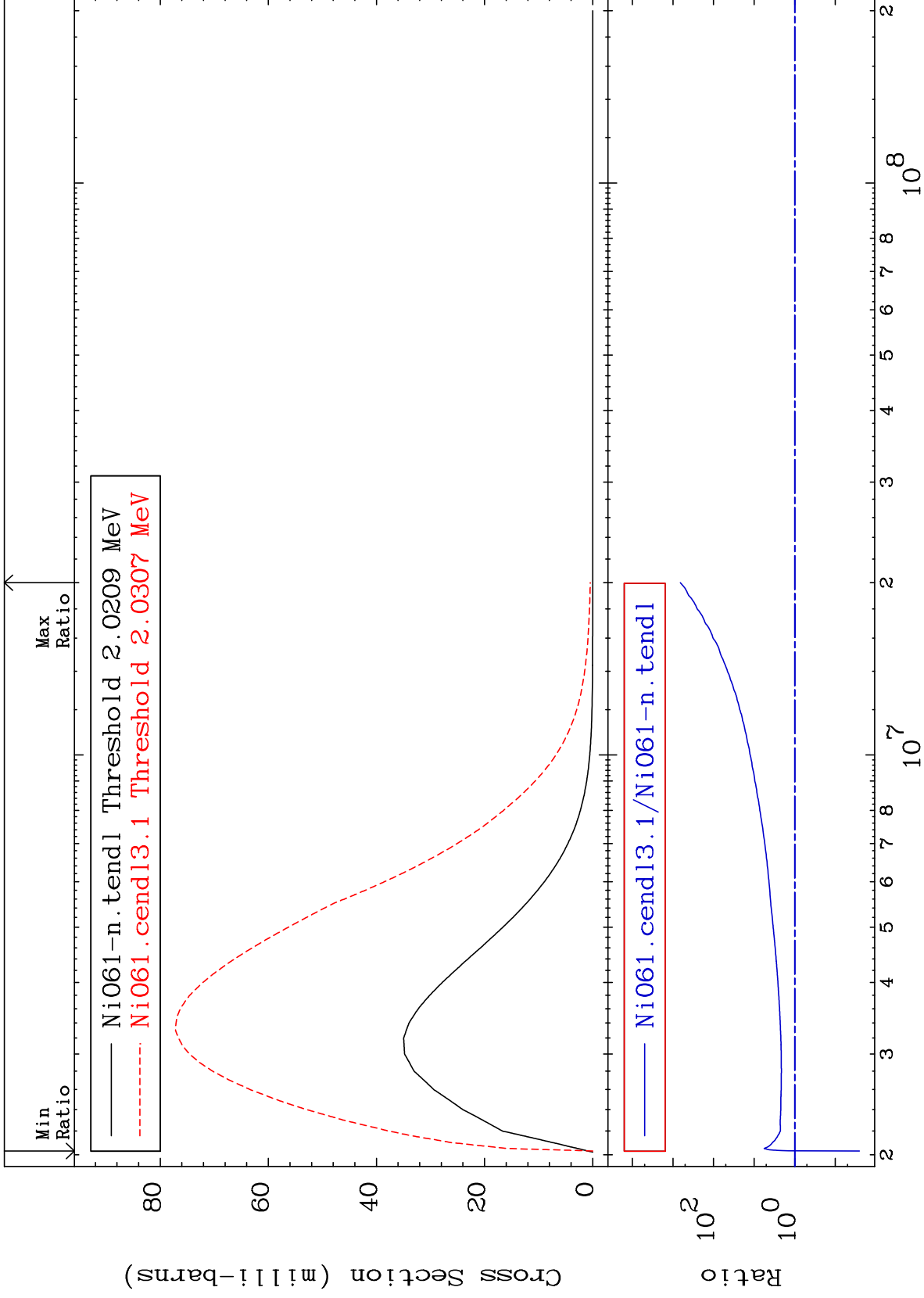
67.14 To 9999. %  
28-Ni-61



MAT 2834

1.988 MeV (n,n') Level  
Cross Section

28-Ni-61  
-97.46 To 9999. %



20

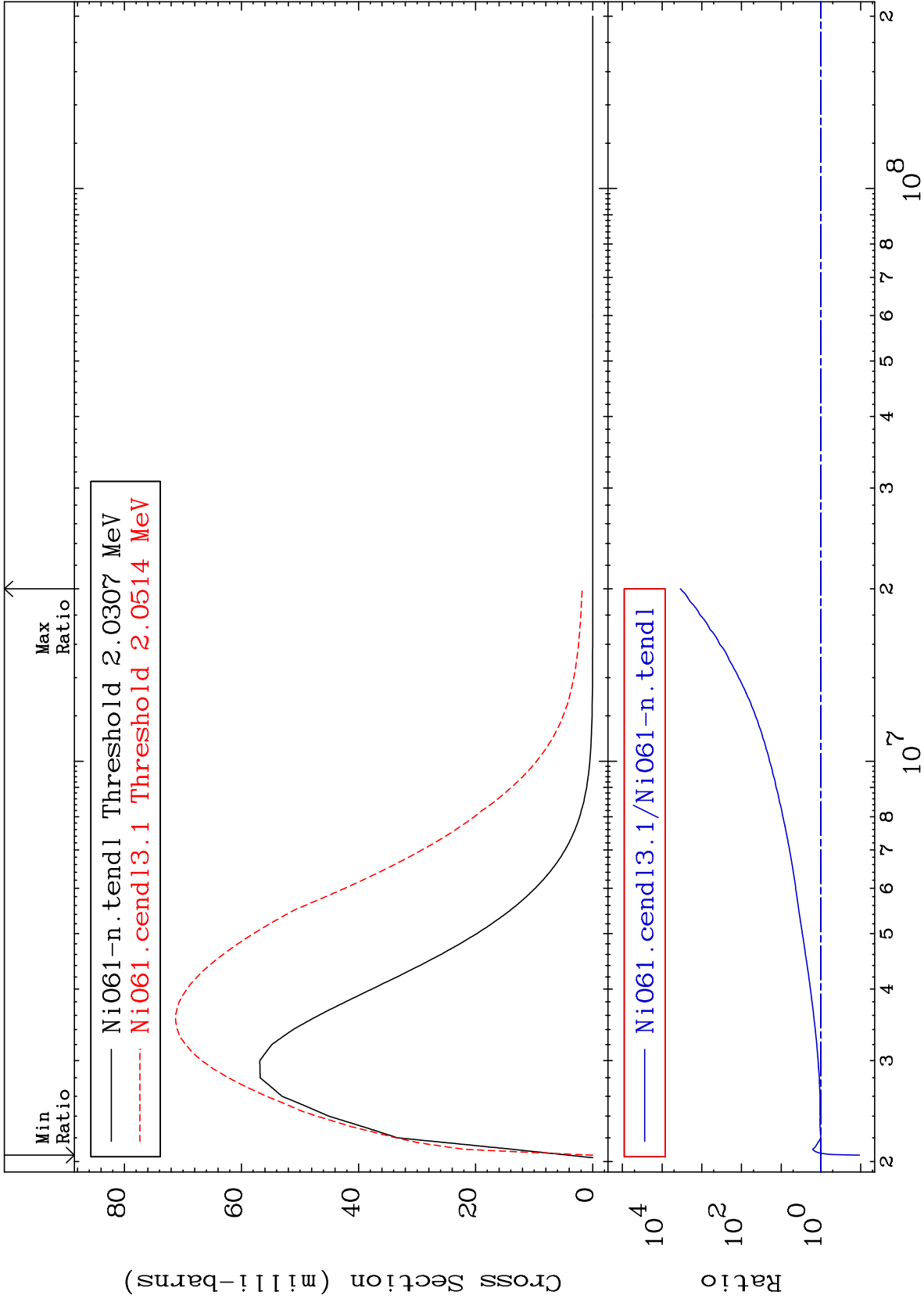
Incident Energy (eV)

28-Ni-61

MAT 2834

1.998 MeV (n,n') Level  
Cross Section

28-Ni-61  
-89.31 To 9999. %



21

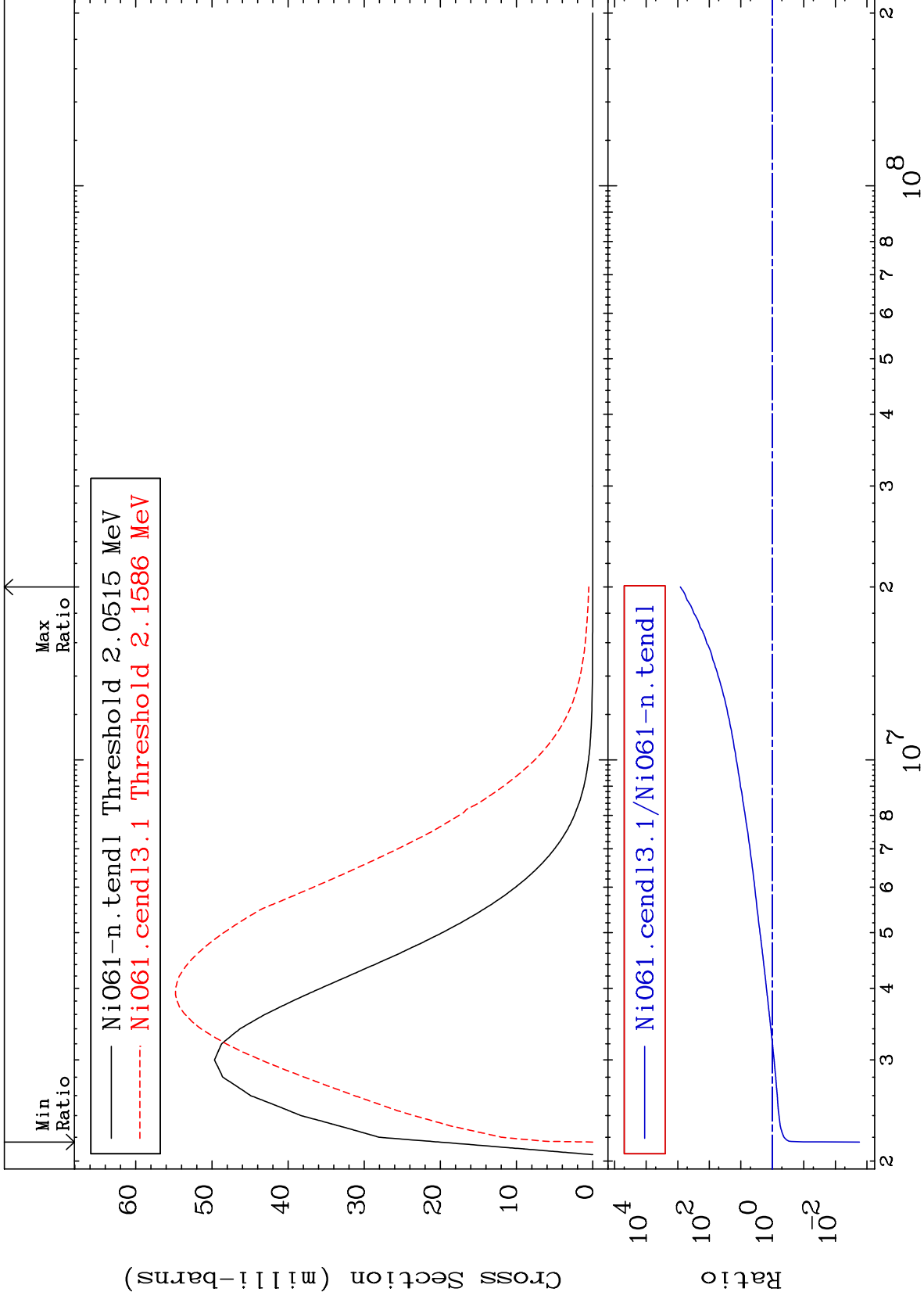
28-Ni-61

28-Ni-61

MAT 2834

2.018 MeV (n,n') Level  
Cross Section

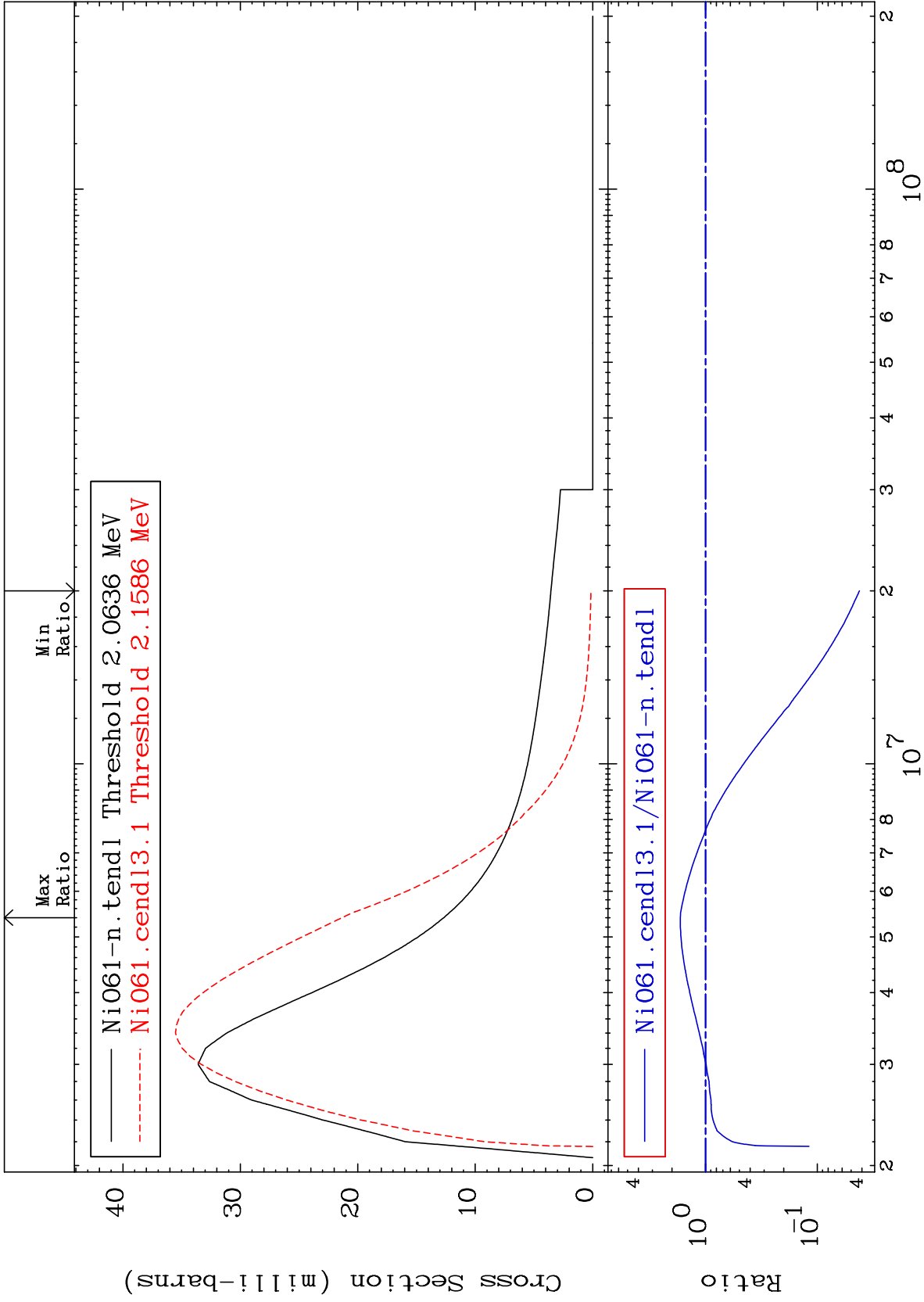
28-Ni-61  
-99.83 To 9999. %

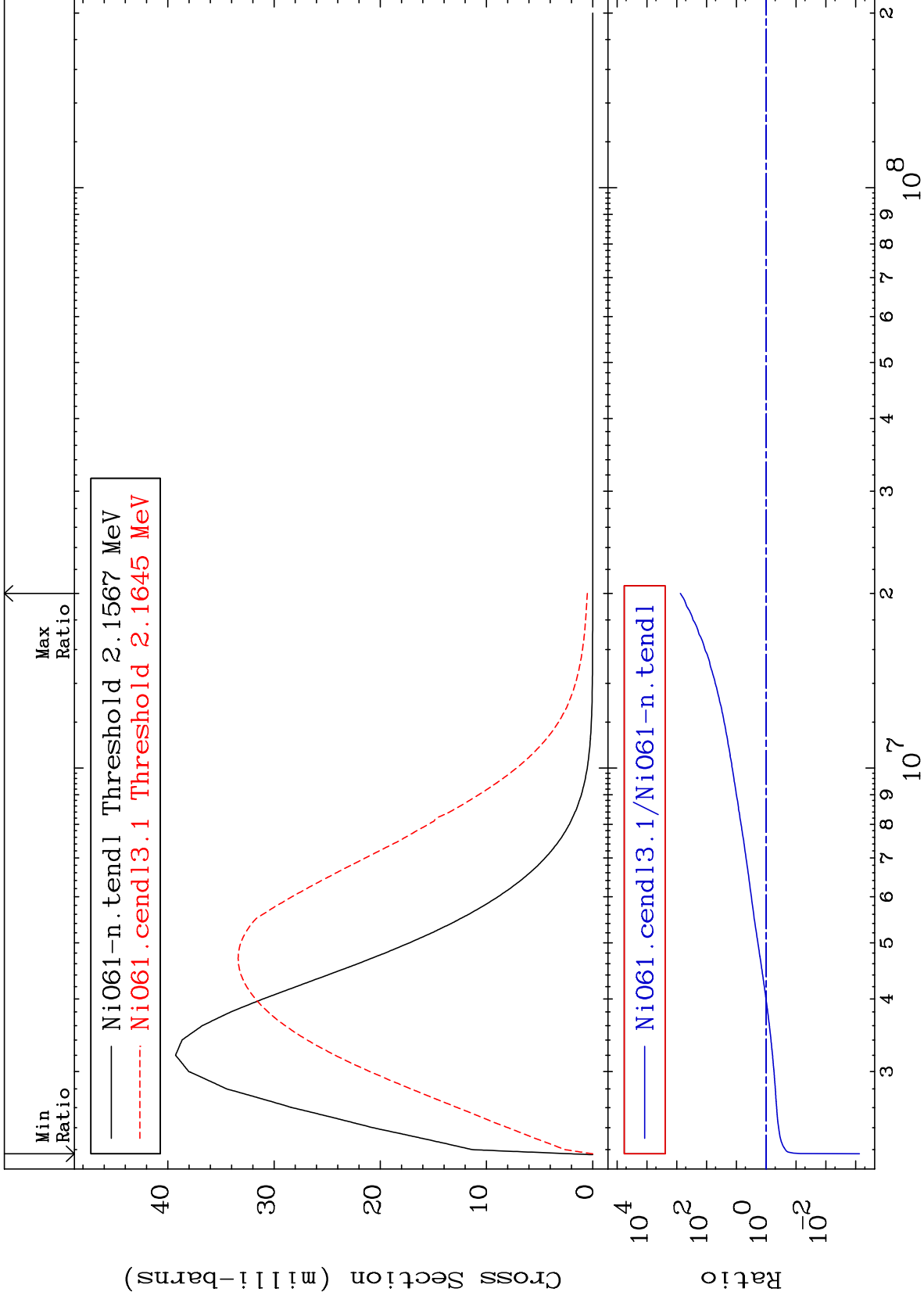


MAT 2834

2.030 MeV (n,n') Level  
Cross Section

28-Ni-61  
-95.79 To 68.35 %



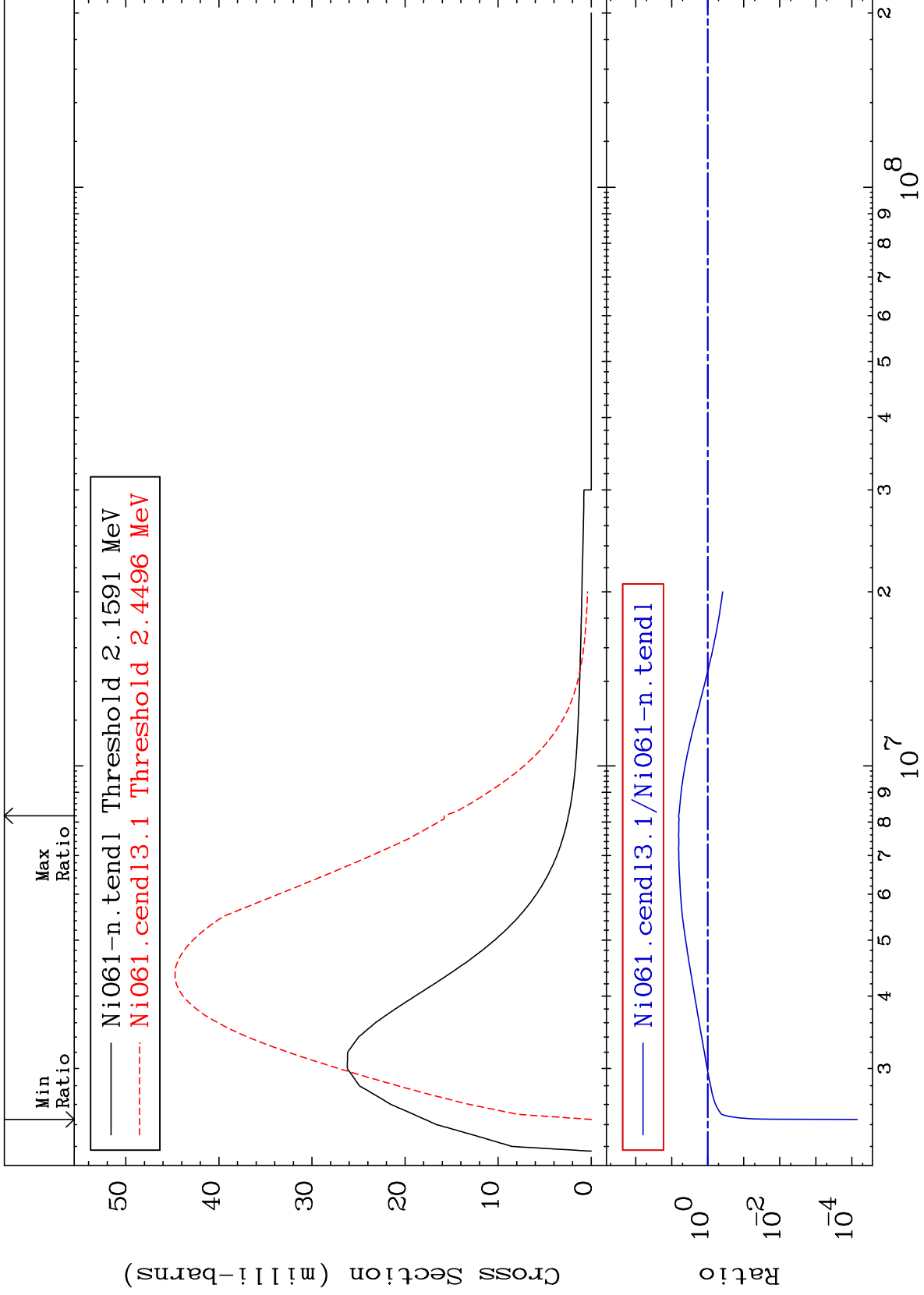


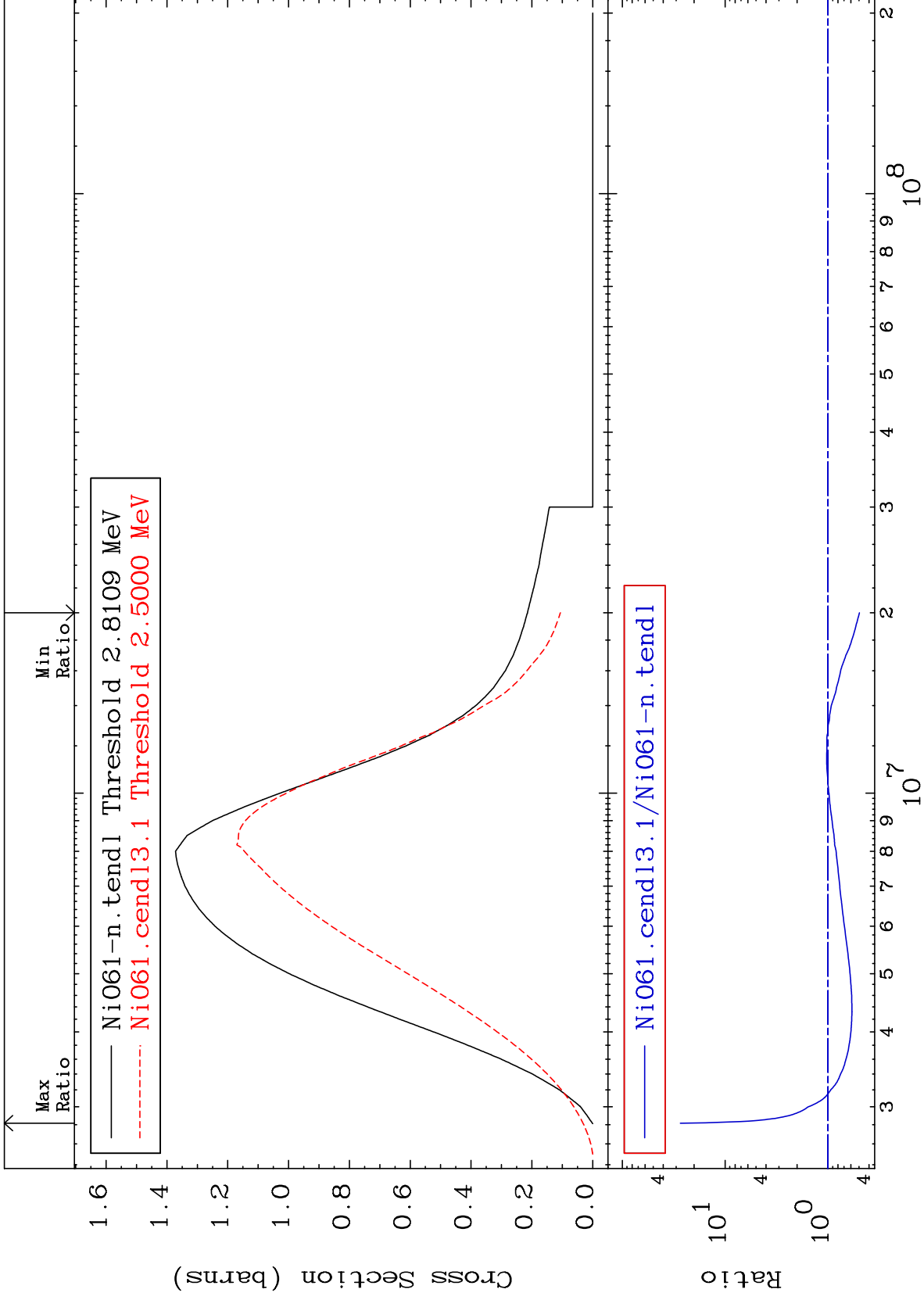


MAT 2834

2.124 MeV (n,n') Level  
Cross Section

28-Ni-61  
-99.99 To 545.1 %





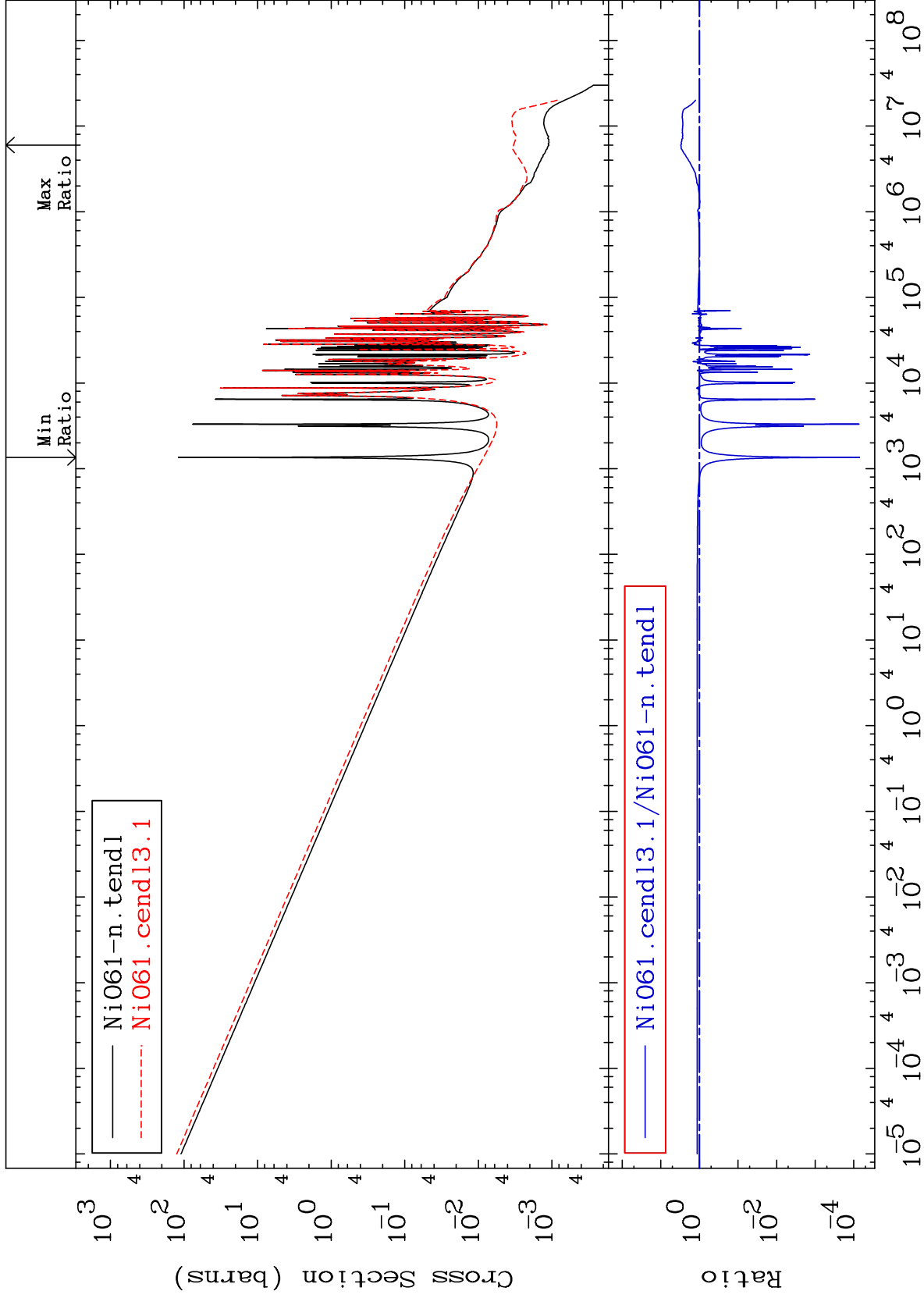
MAT 2834

(n,  $\gamma$ )

28-Ni-61

Cross Section

-99.99 To 203.9 %

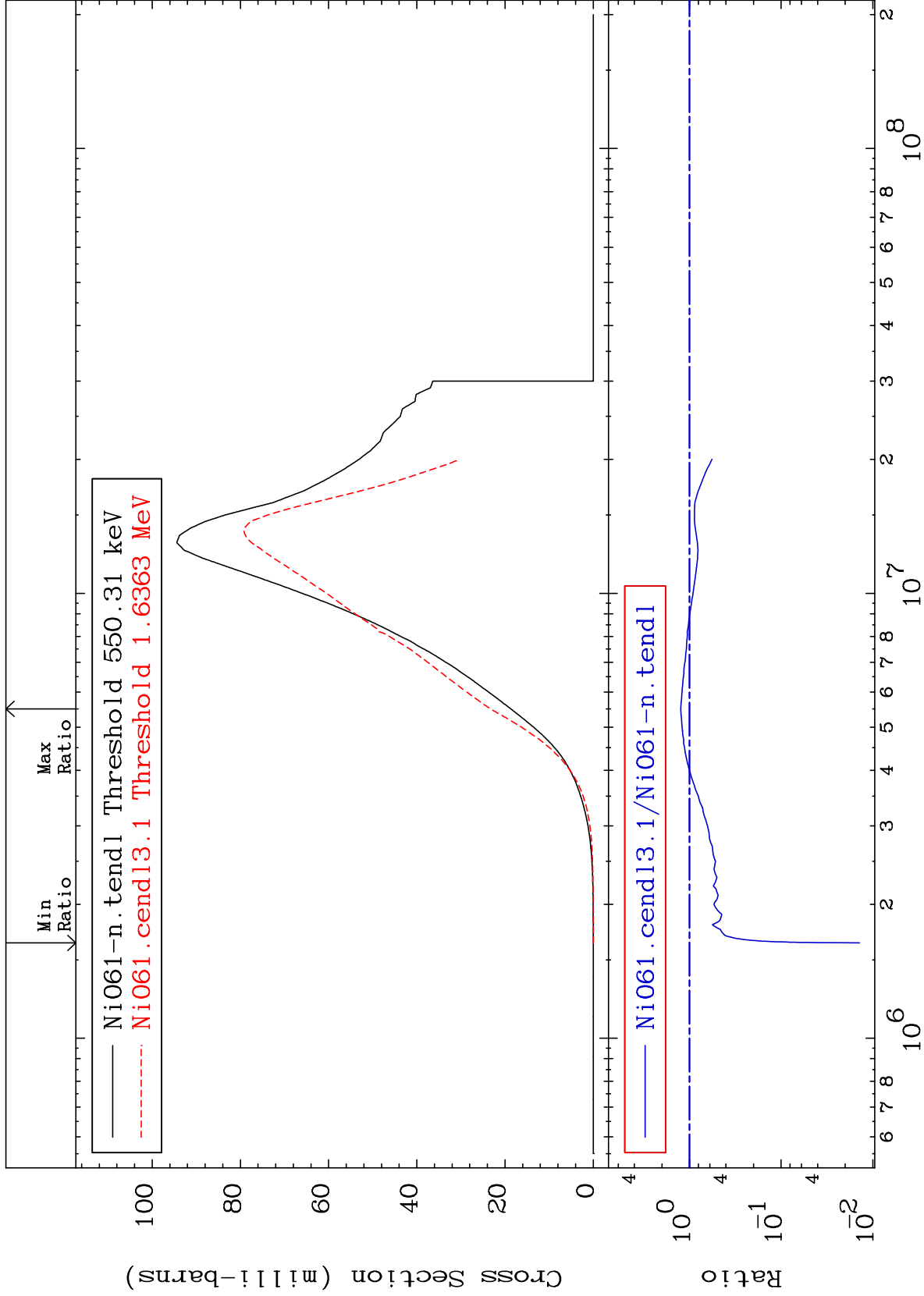


MAT 2834

28-Ni-61

-98.61 To 24.59 %

(n,p)  
Cross Section



28

Incident Energy (eV)

28-Ni-61

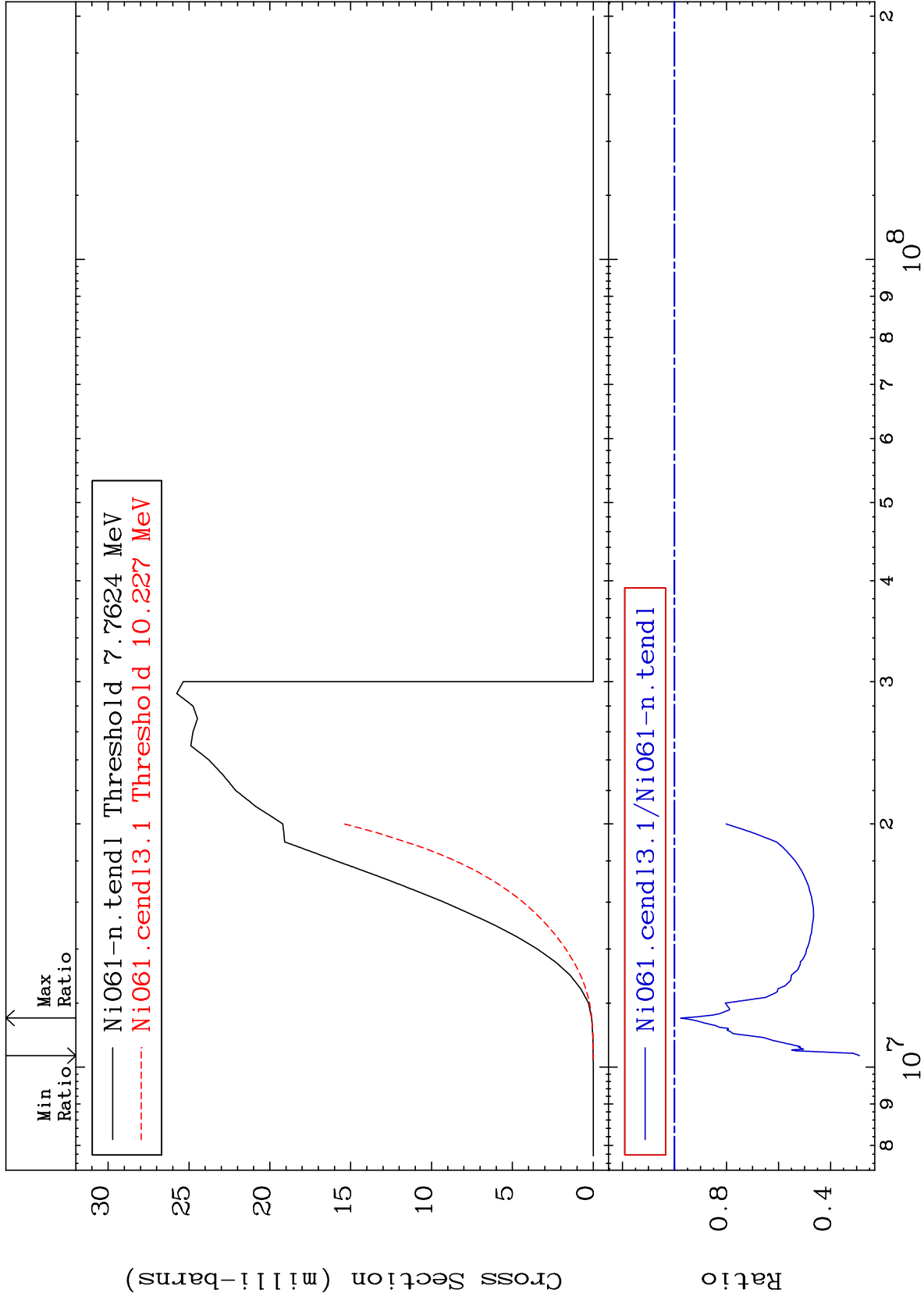
MAT 2834

(n, d)

28-Ni-61

Cross Section

-71.15 To -2.401%



29

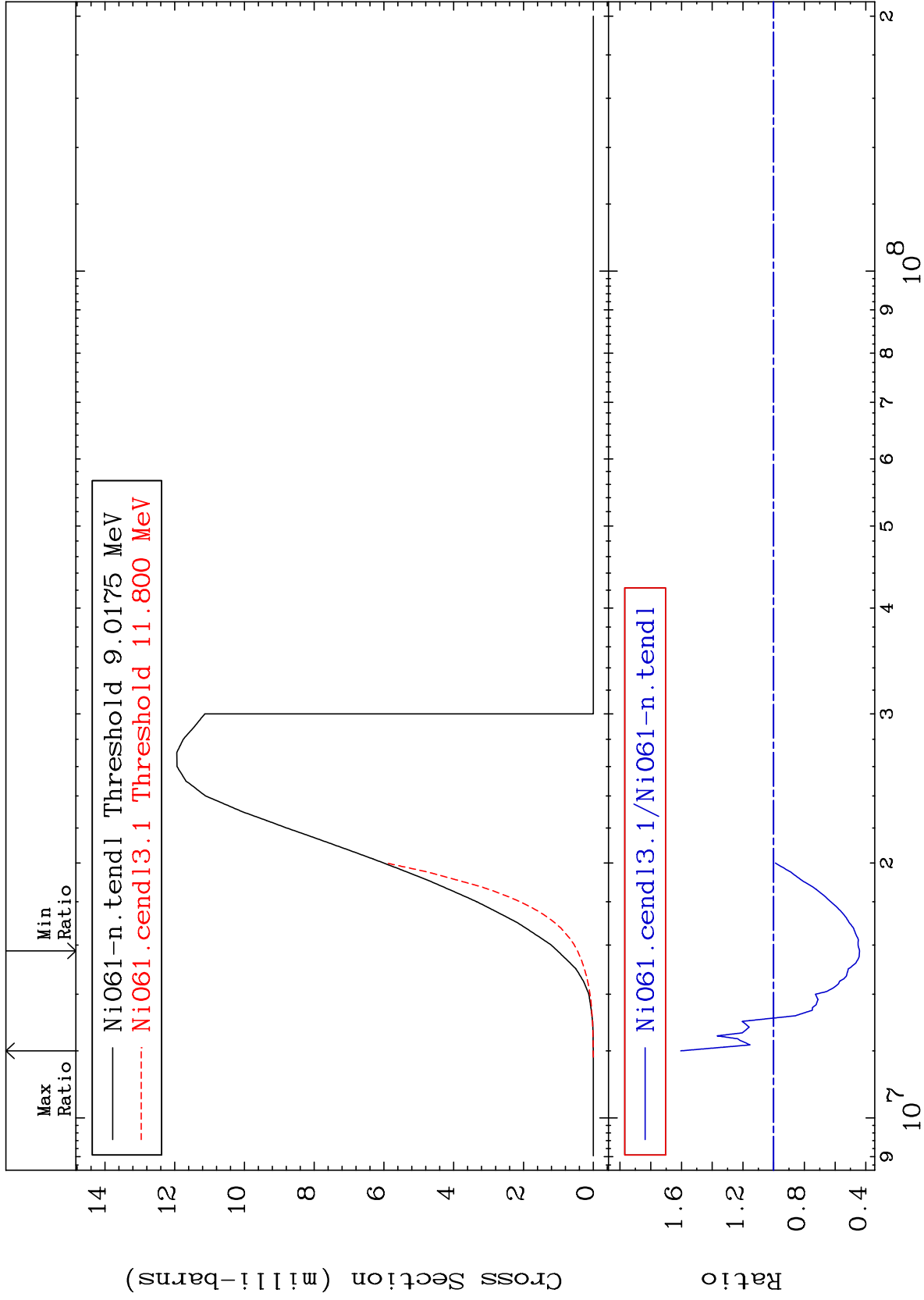
28-Ni-61

28-Ni-61

MAT 2834

(n, t)  
Cross Section

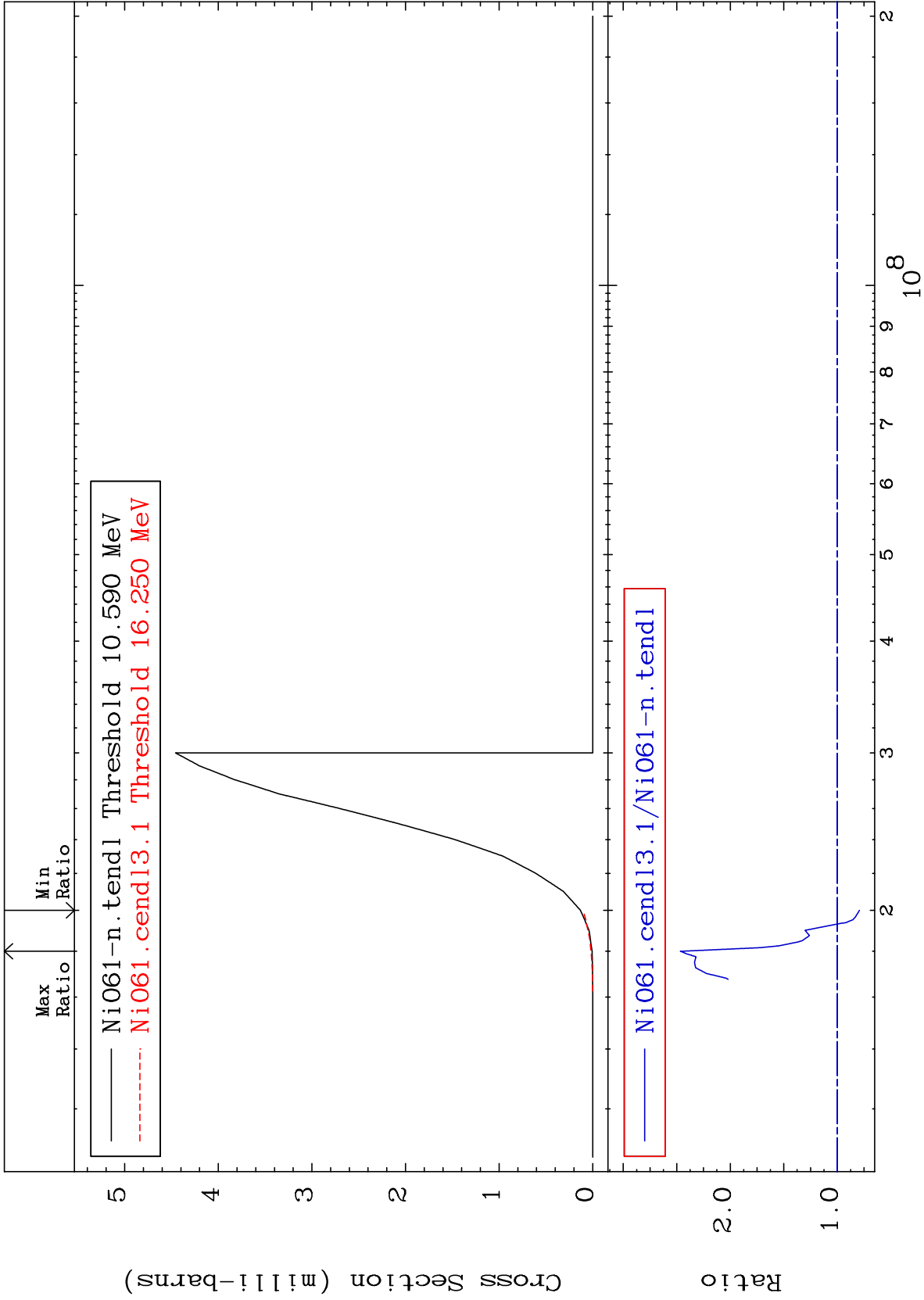
28-Ni-61  
-55.92 To 60.46 %



30

Incident Energy (eV)

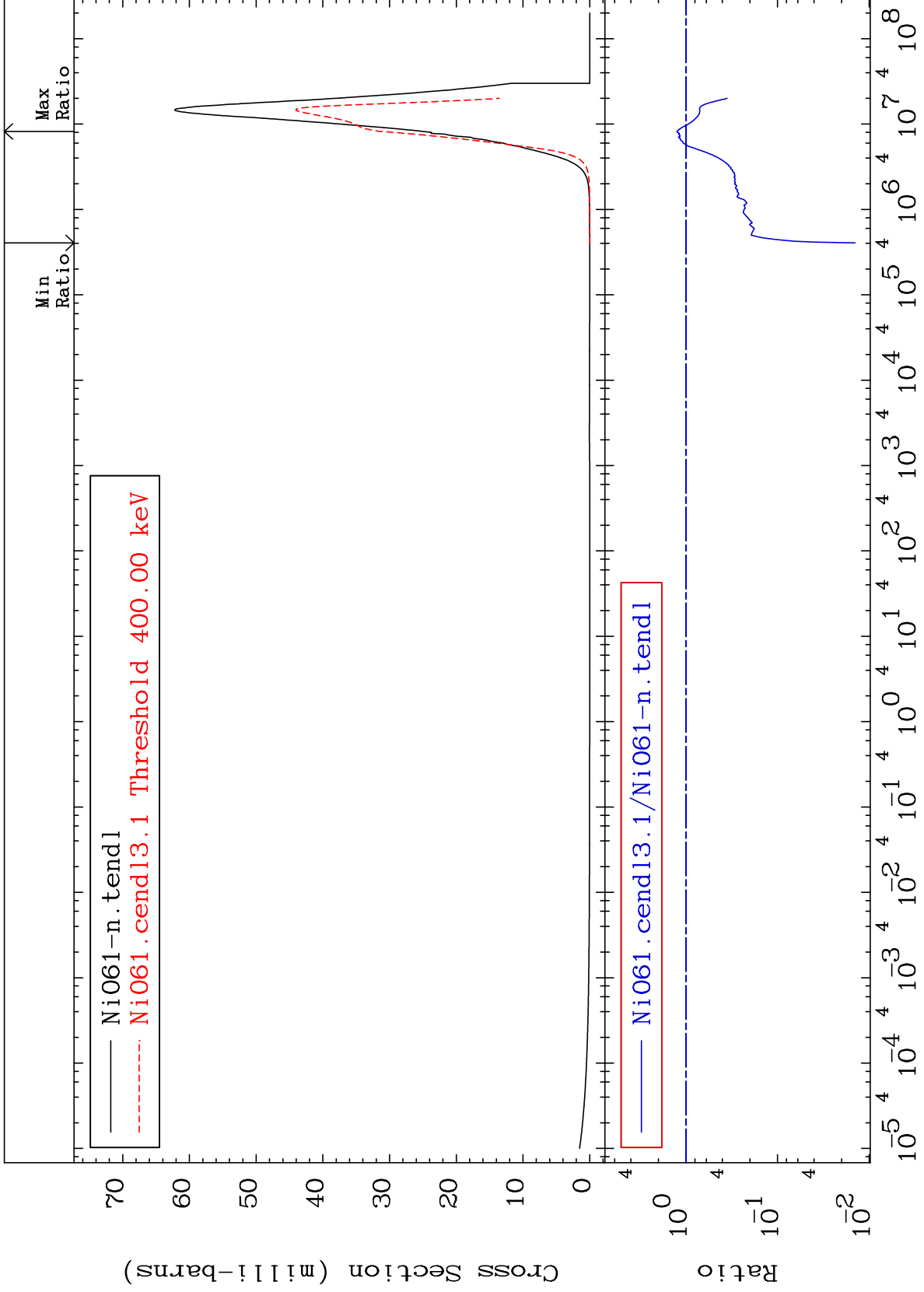
28-Ni-61



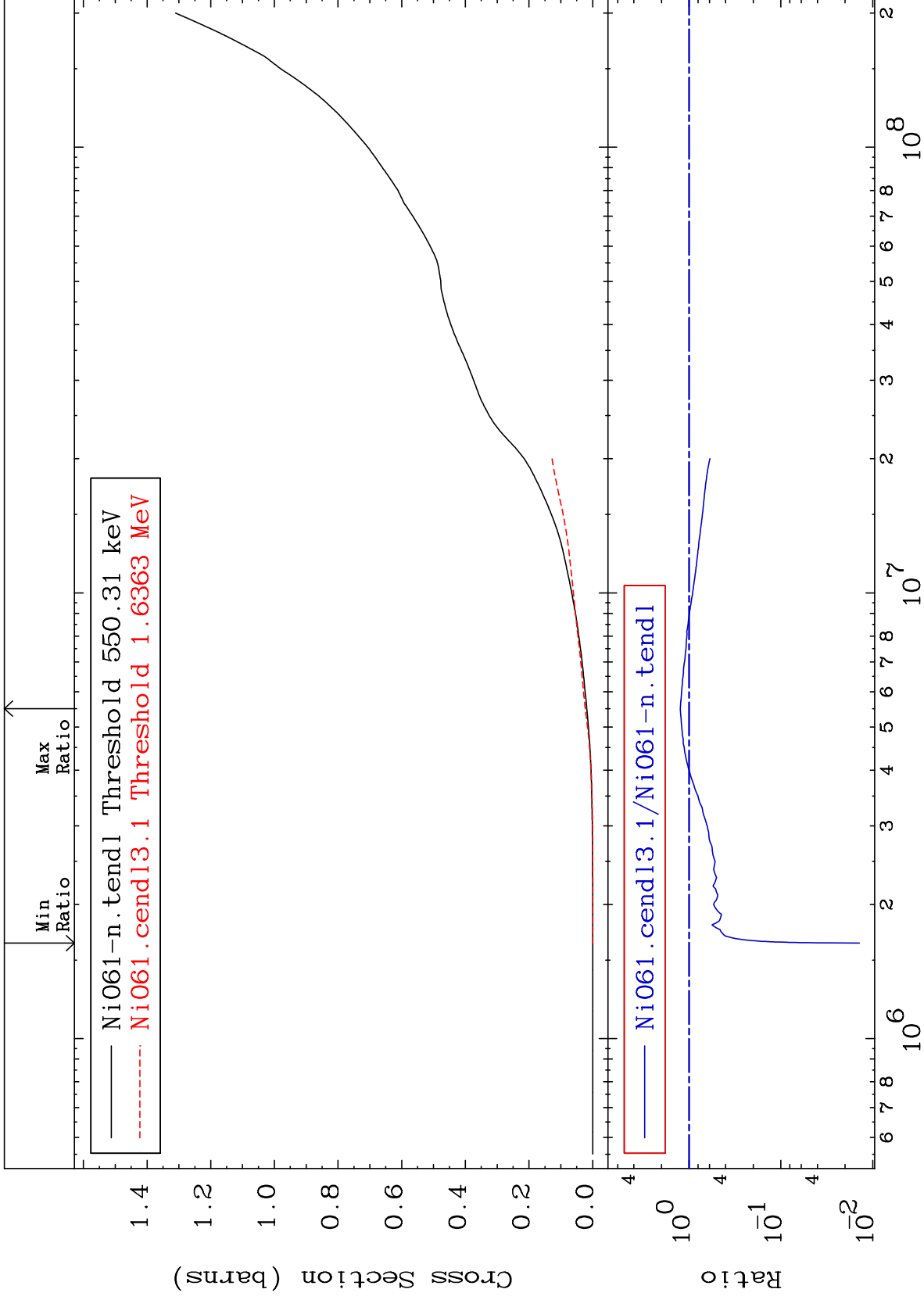
MAT 2834

(n,  $\alpha$ )  
Cross Section

28-Ni-61  
-98.58 To 25.52 %



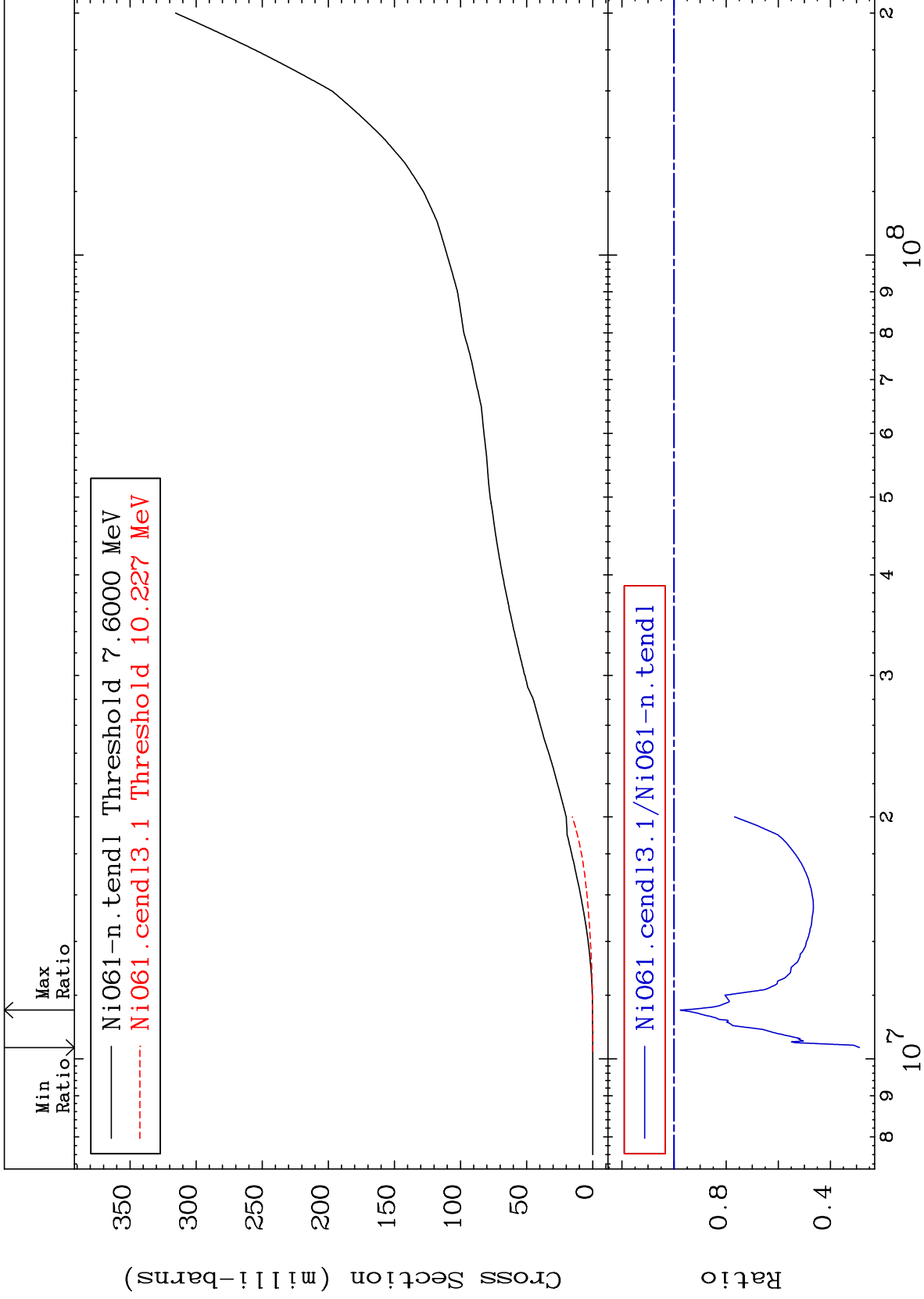




MAT 2834

Deuterium Production  
Cross Section

<sup>28</sup>Ni-61  
-71.15 To -2.401%



34

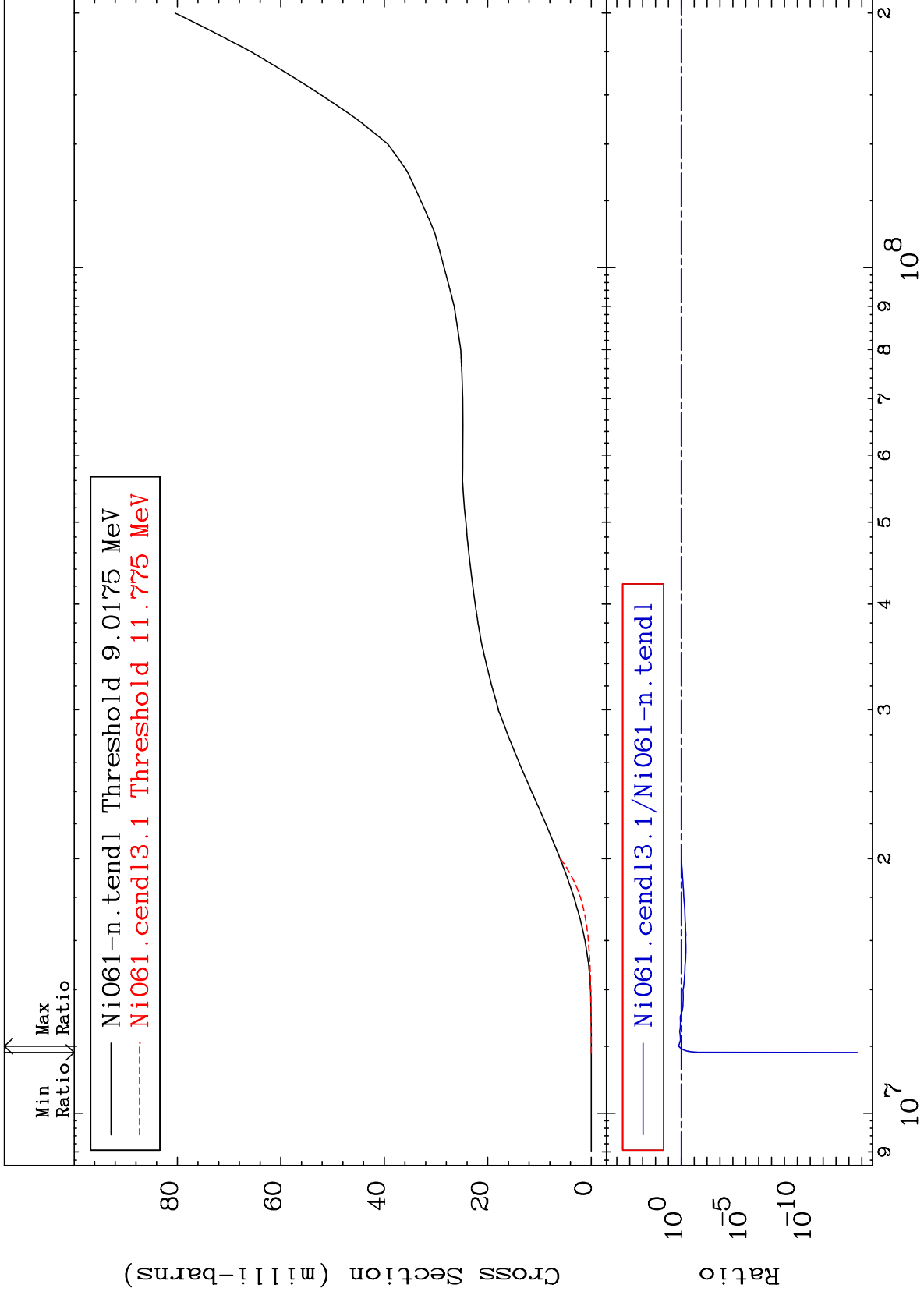
Incident Energy (eV)

<sup>28</sup>Ni-61

MAT 2834

Tritium Production  
Cross Section

28-Ni-61  
-100.0 To 60.46 %



35

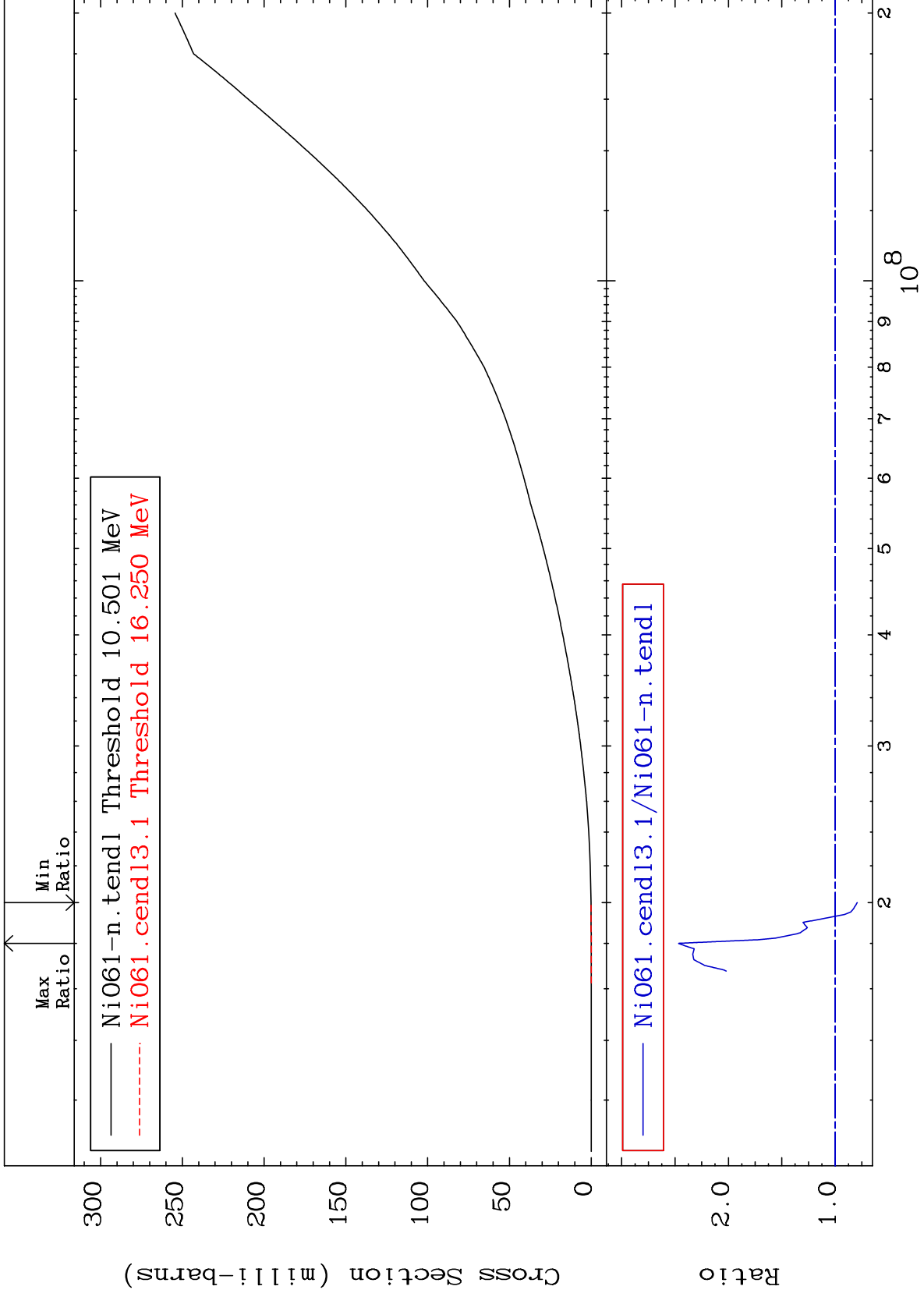
Incident Energy (eV)

28-Ni-61

MAT 2834

He-3 Production  
Cross Section

<sup>28</sup>Ni-61  
-20.69 To 146.6 %



36

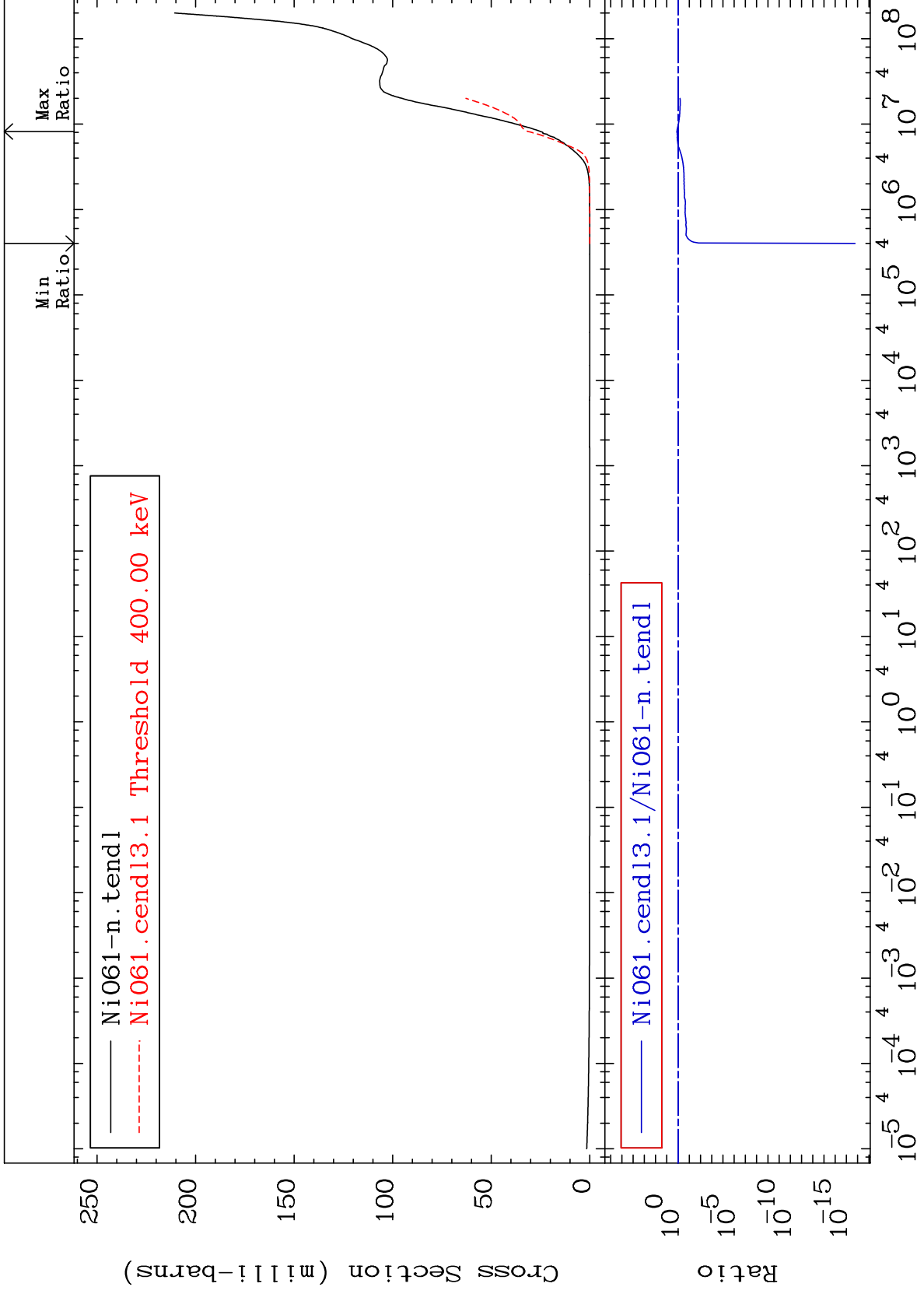
Incident Energy (eV)

<sup>28</sup>Ni-61

MAT 2834

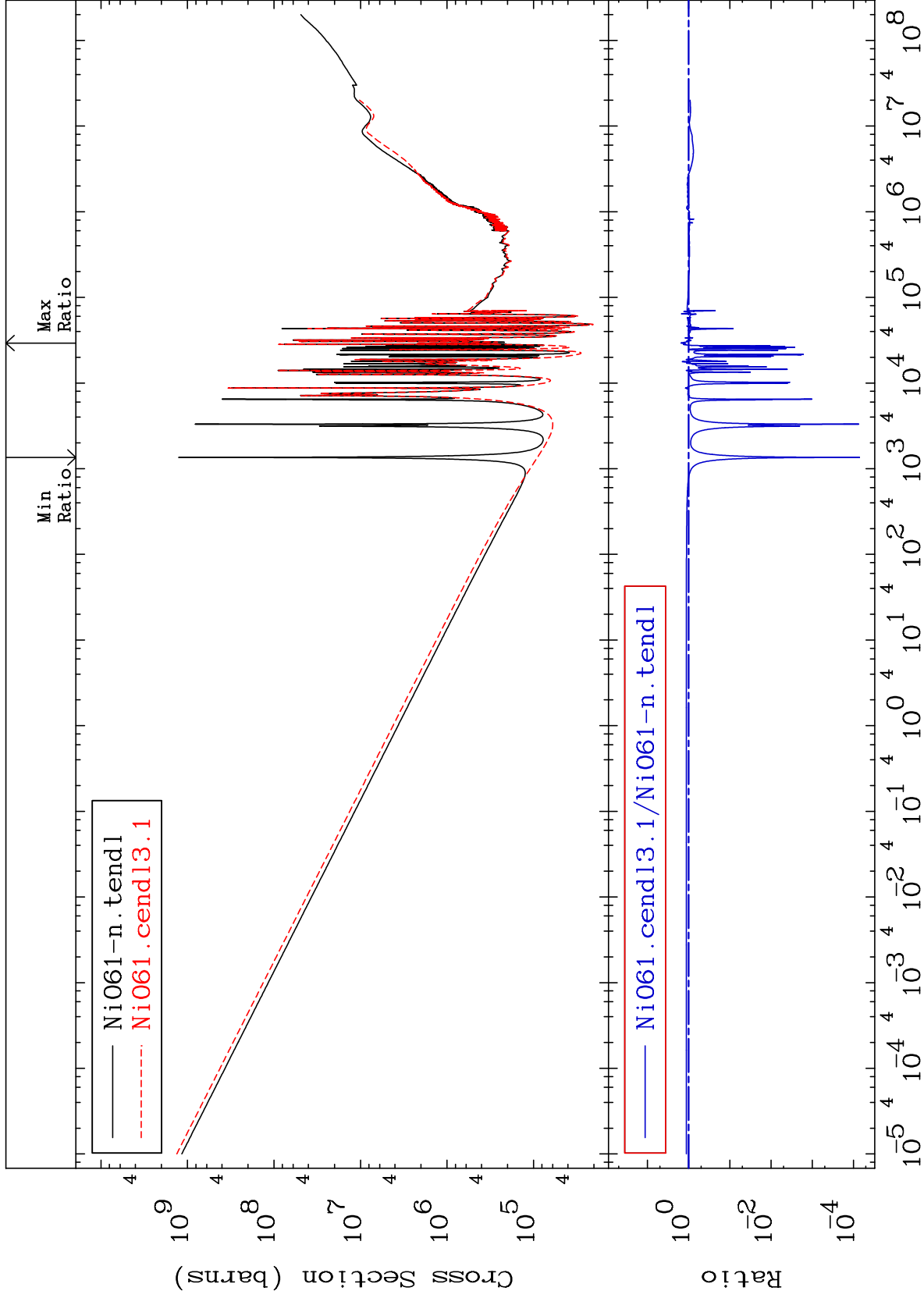
He-4 Production  
Cross Section

28-Ni-61  
-100.0 To 25.52 %



Cross Section

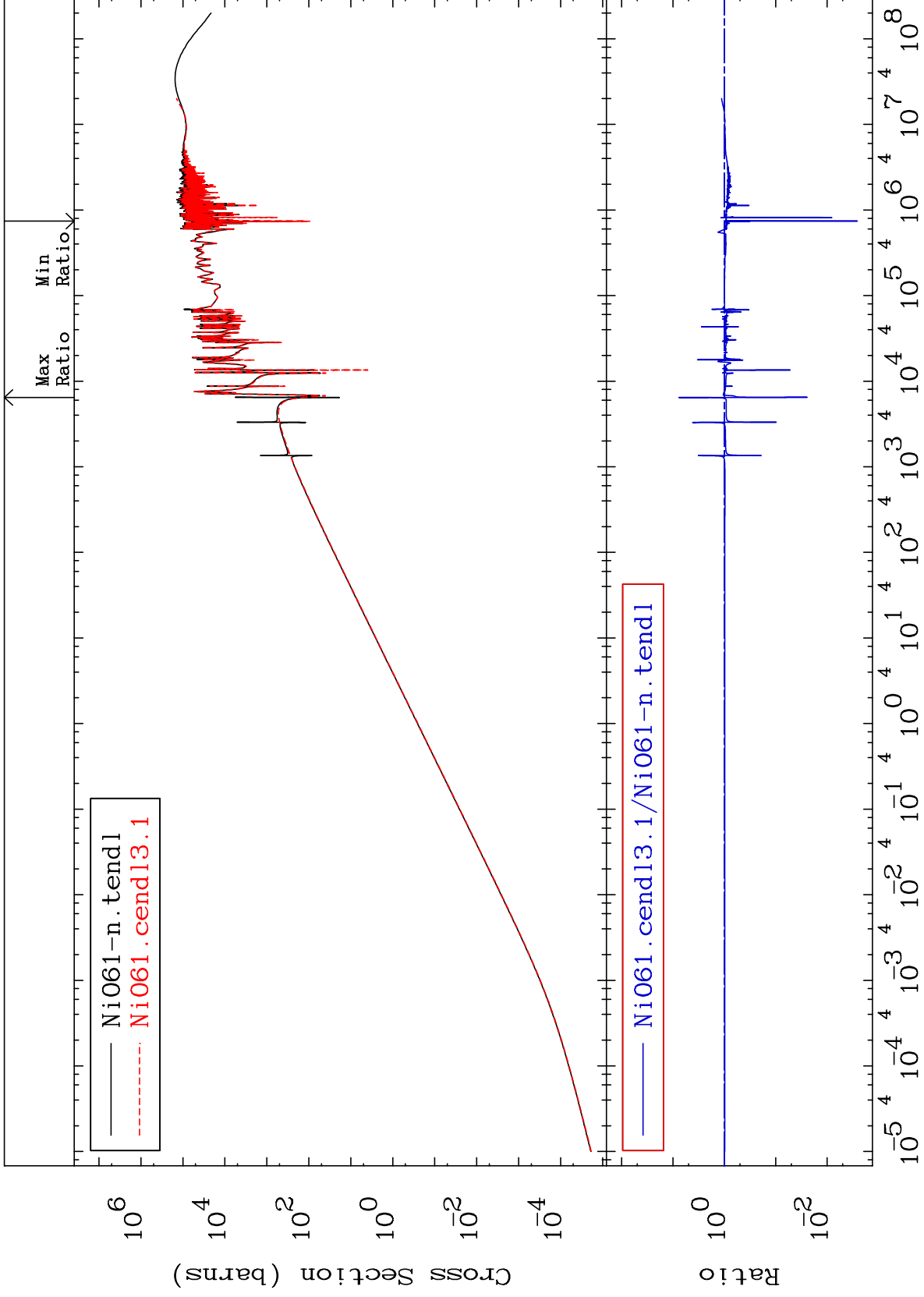
-99.99 To 55.74 %



MAT 2834

Kerma elastic  
Cross Section

28-Ni-61  
-99.74 To 677.8 %



39

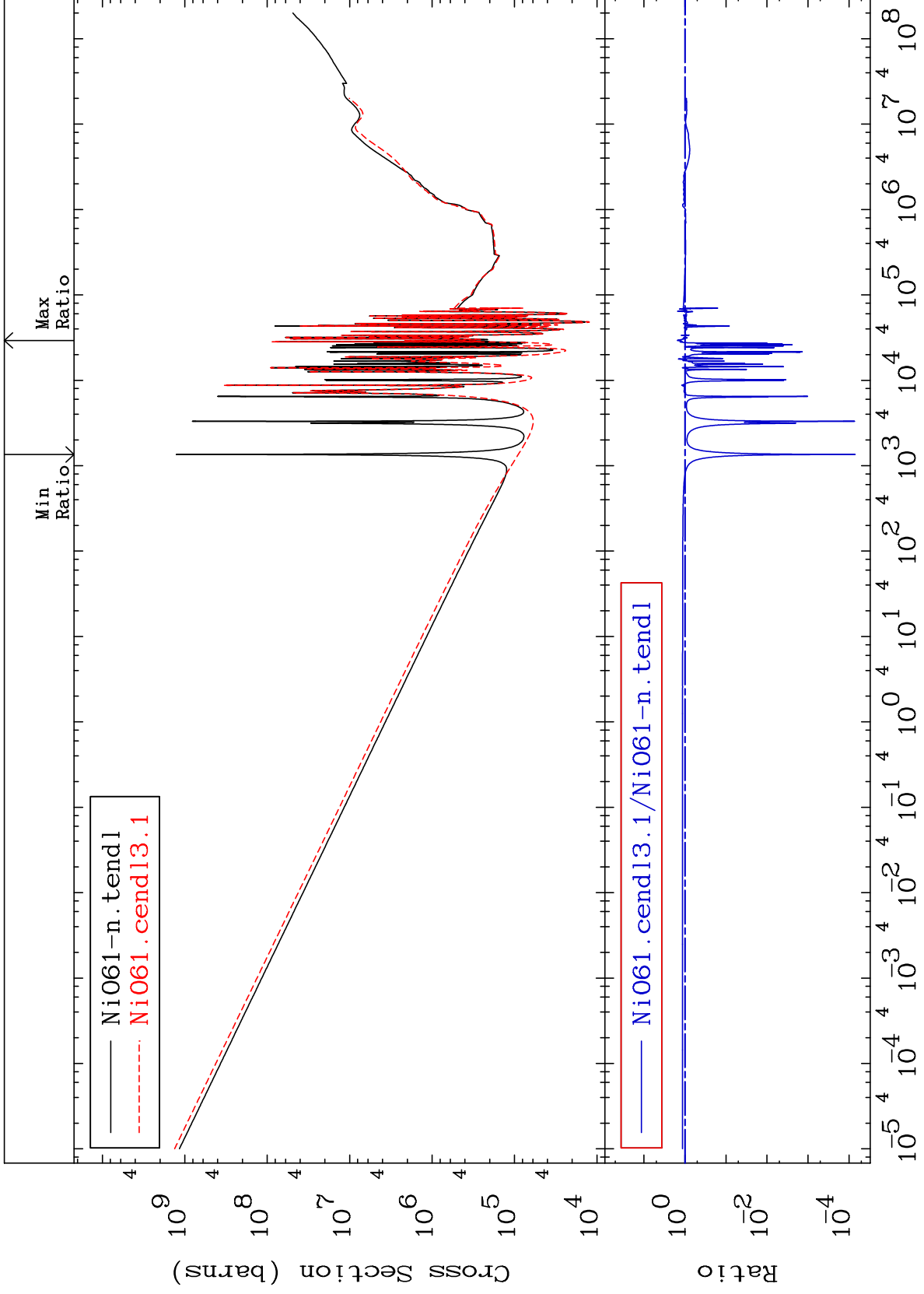
Incident Energy (eV)

28-Ni-61

MAT 2834

Kerma non-elastic (all but mt2)  
Cross Section

28-Ni-61  
-99.99 To 56.91 %

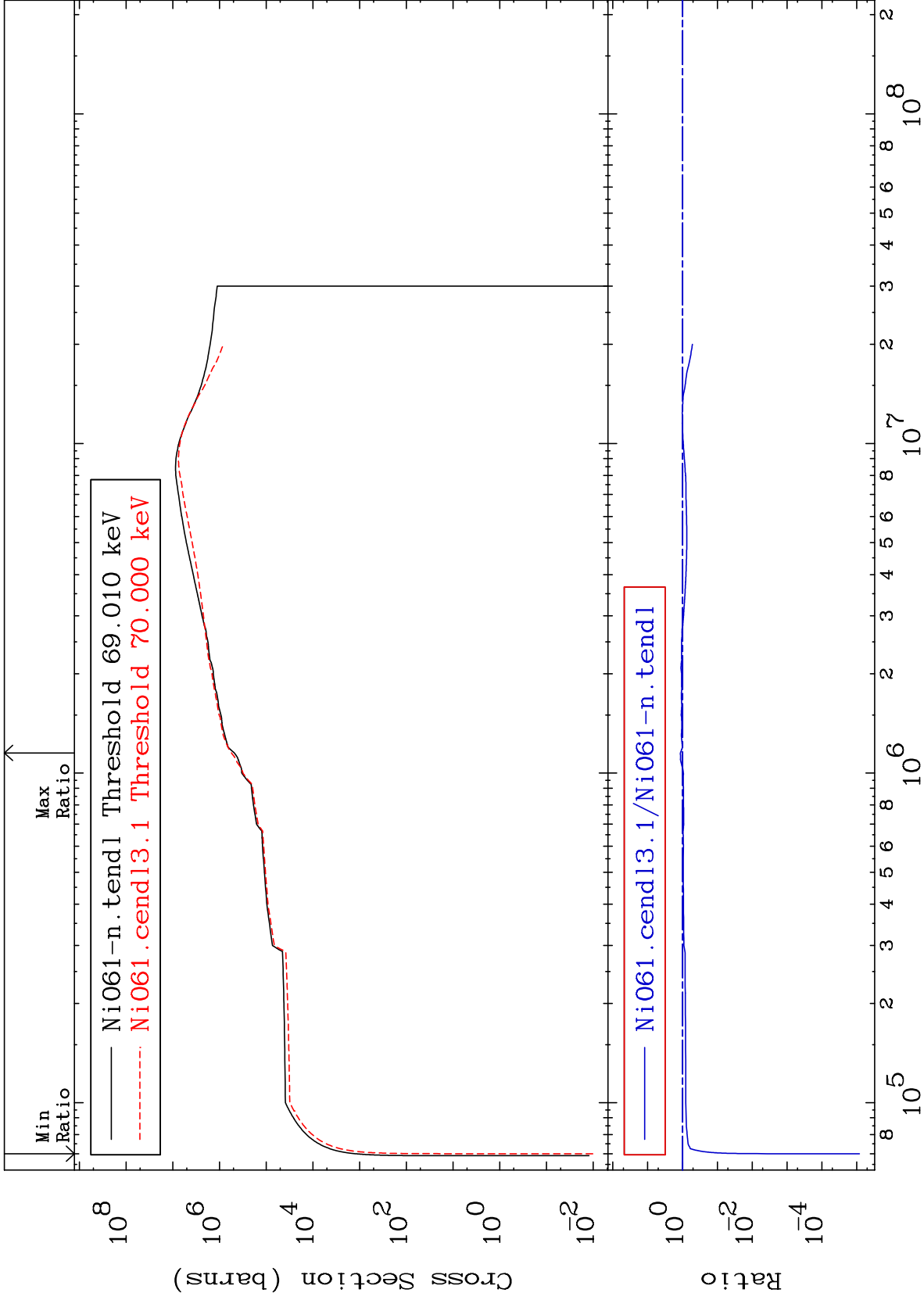


40

Incident Energy (eV)

28-Ni-61

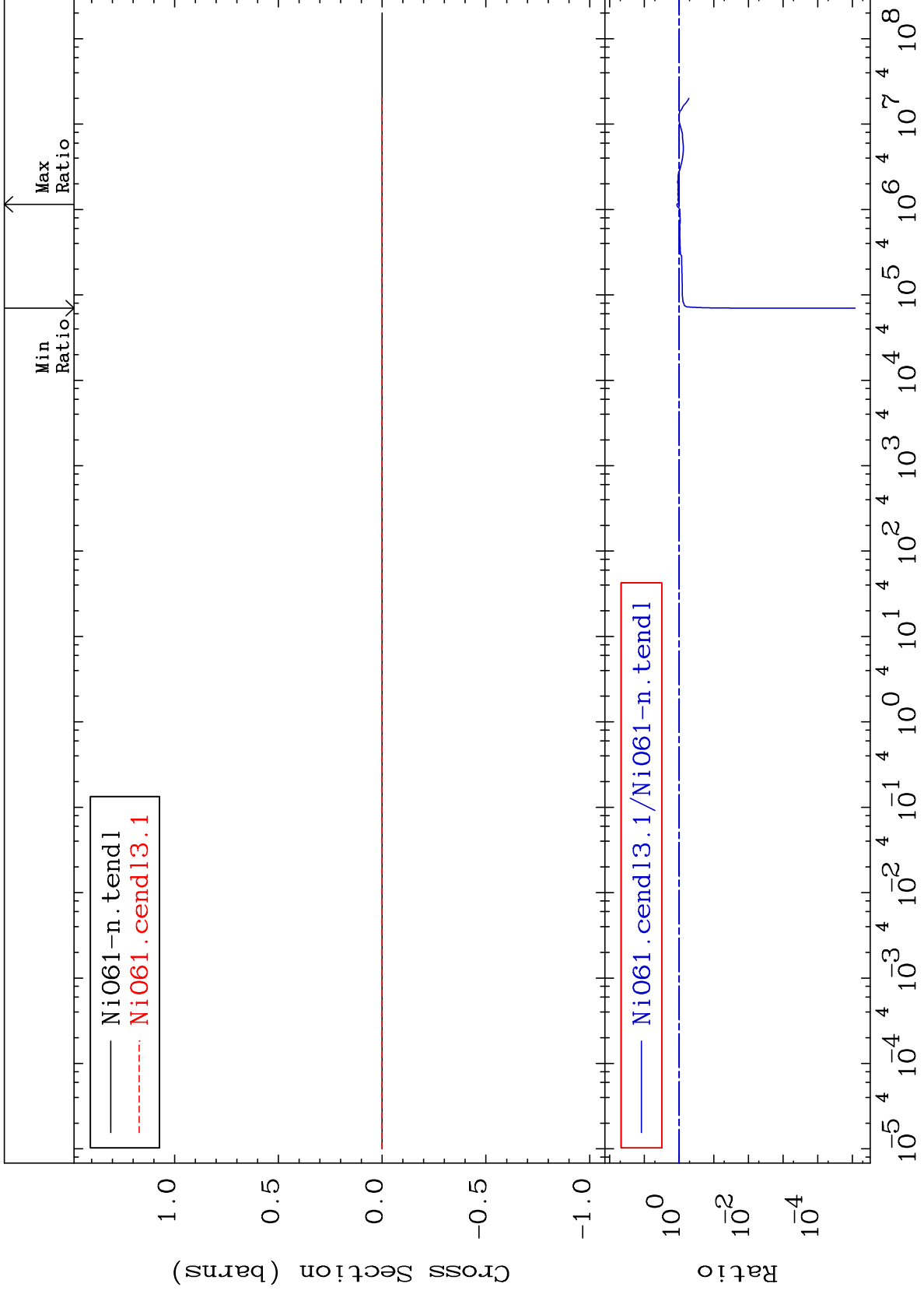




MAT 2834

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

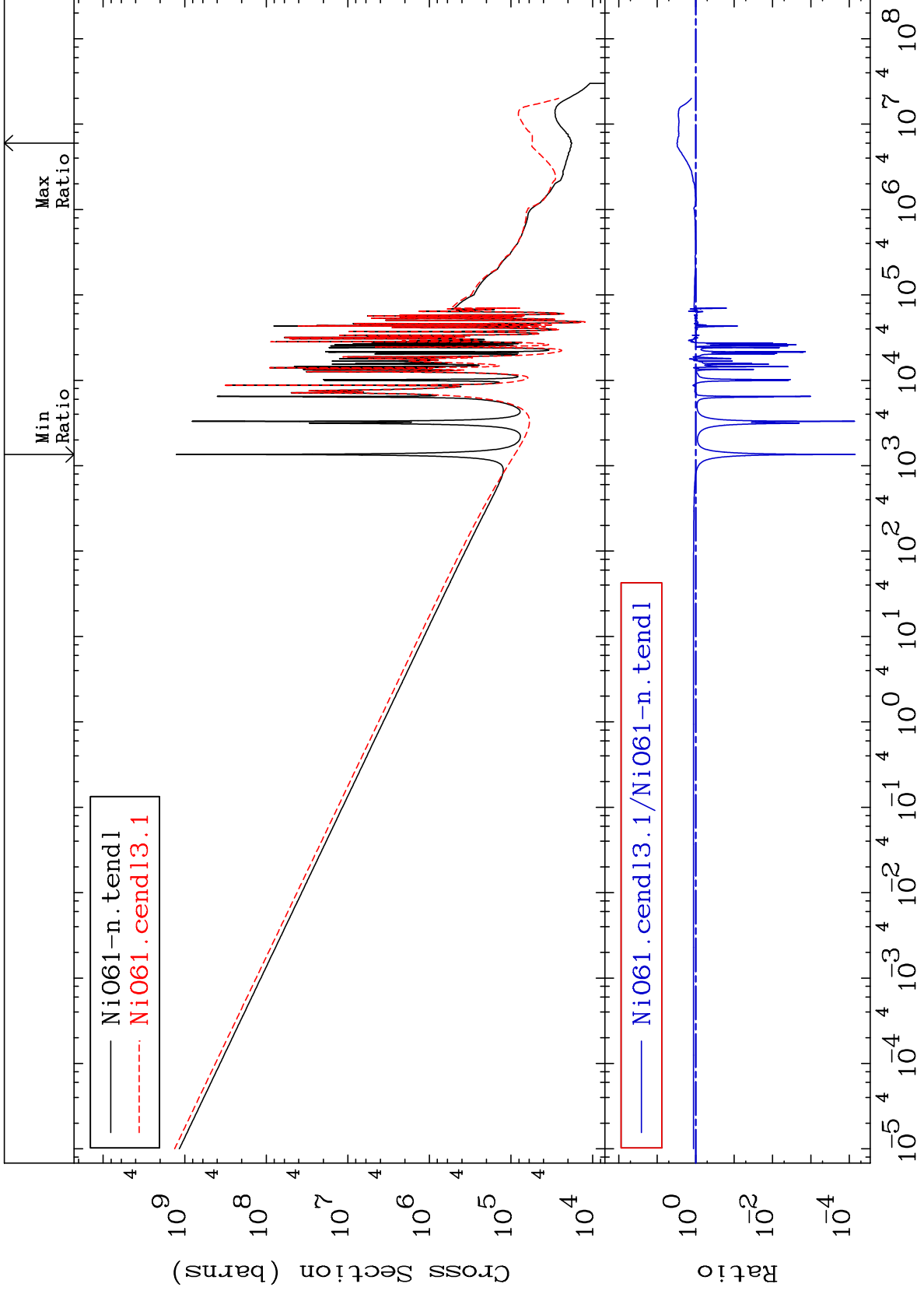
28-Ni-61  
-100.0 To 15.31 %

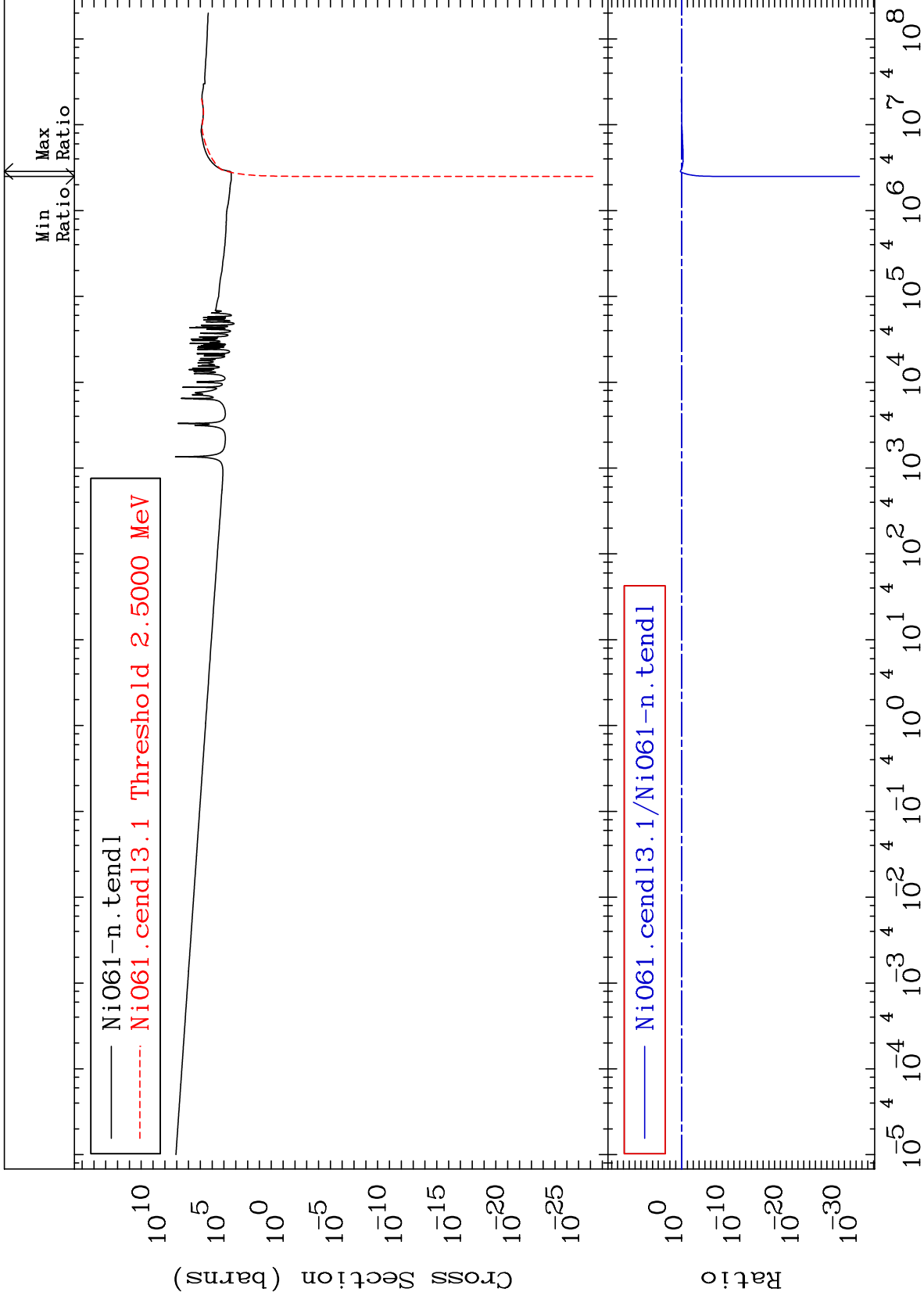


MAT 2834

Kerma capture (mt102)  
Cross Section

28-Ni-61  
-99.99 To 207.5 %

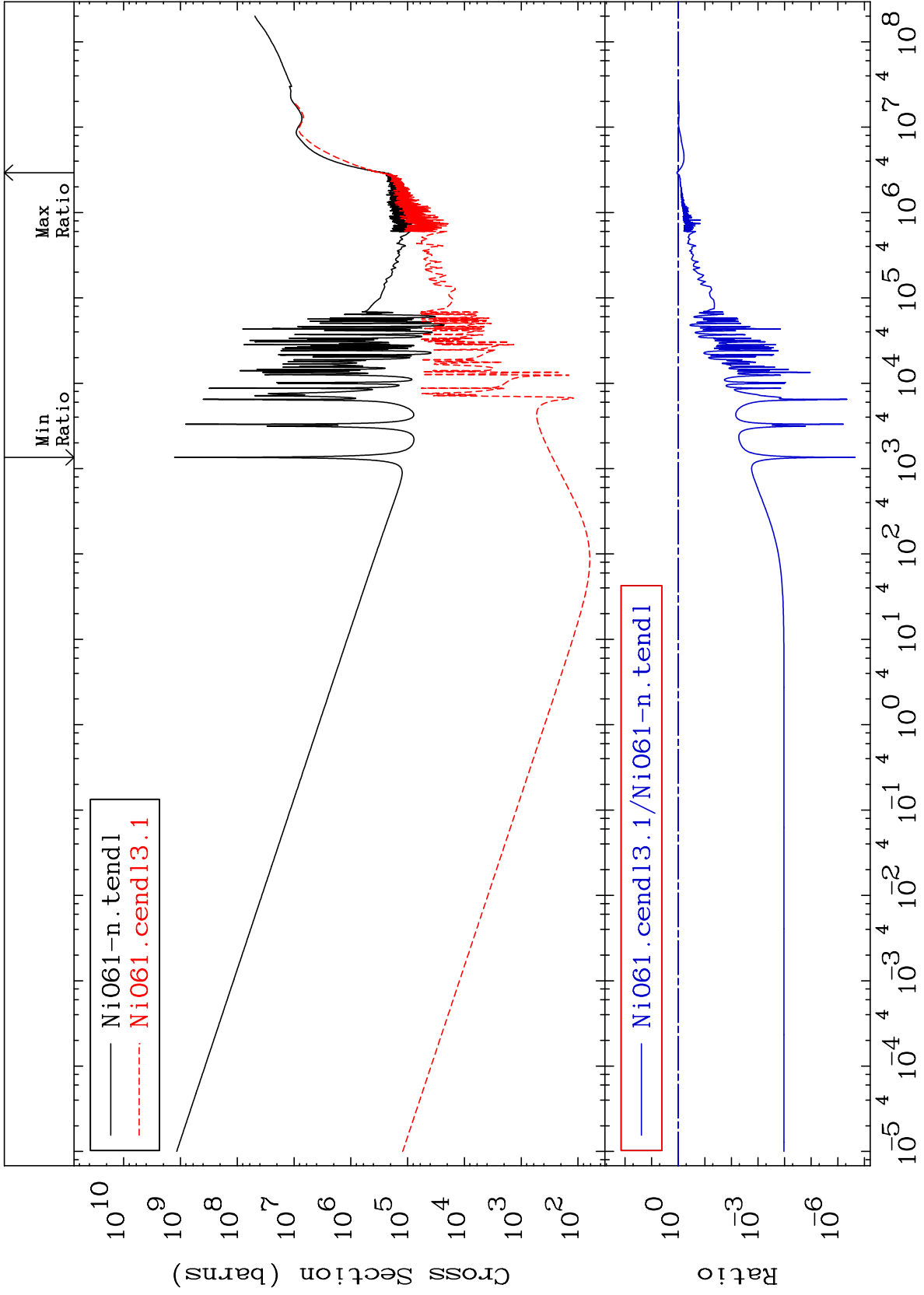




MAT 2834

Total kinematic kerma (high limit)  
Cross Section

28-Ni-61  
-100.0 To 11.68 %



45

Incident Energy (eV)

28-Ni-61

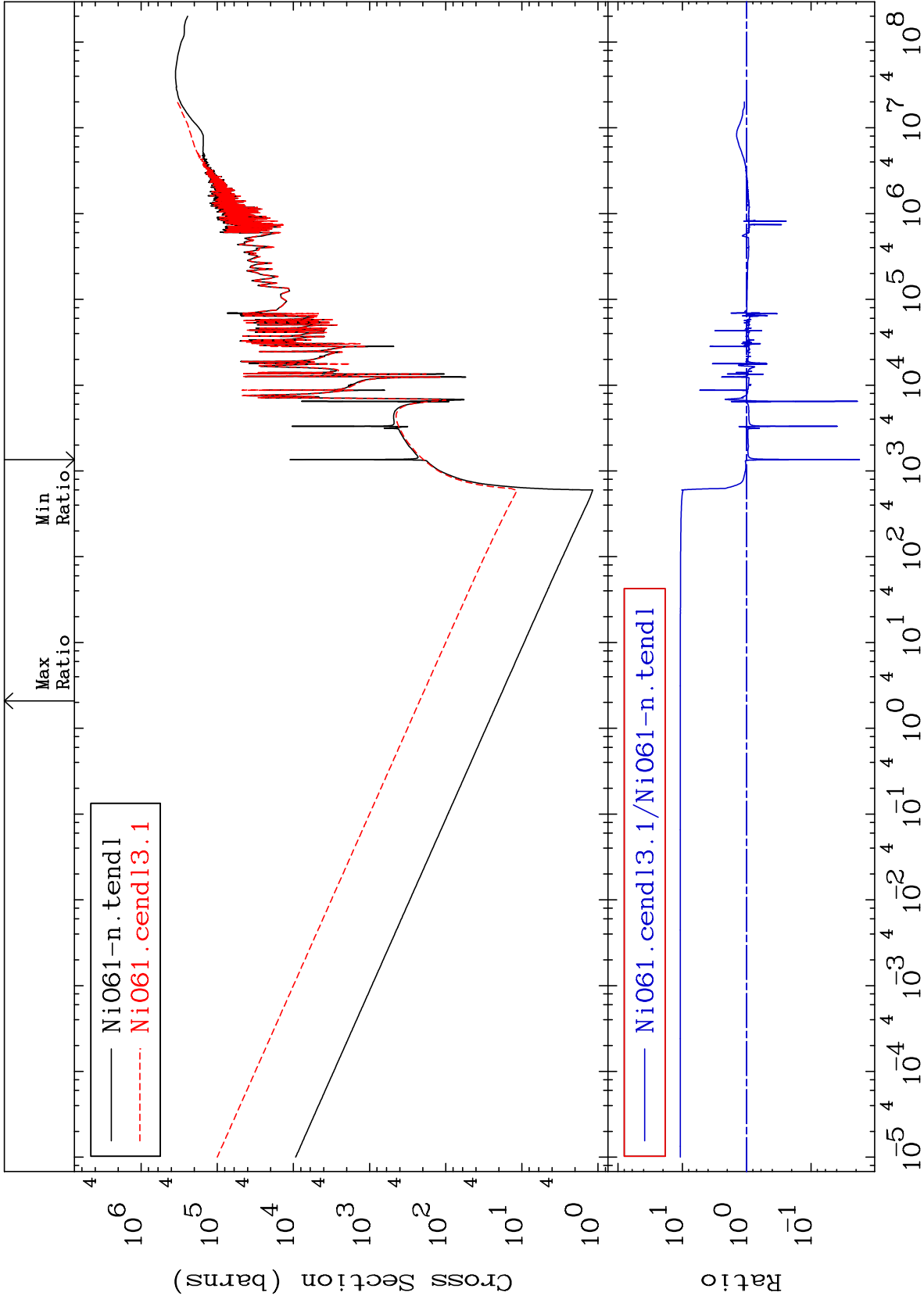
MAT 2834

Dpa total (eV-barns)

28-Ni-61

Cross Section

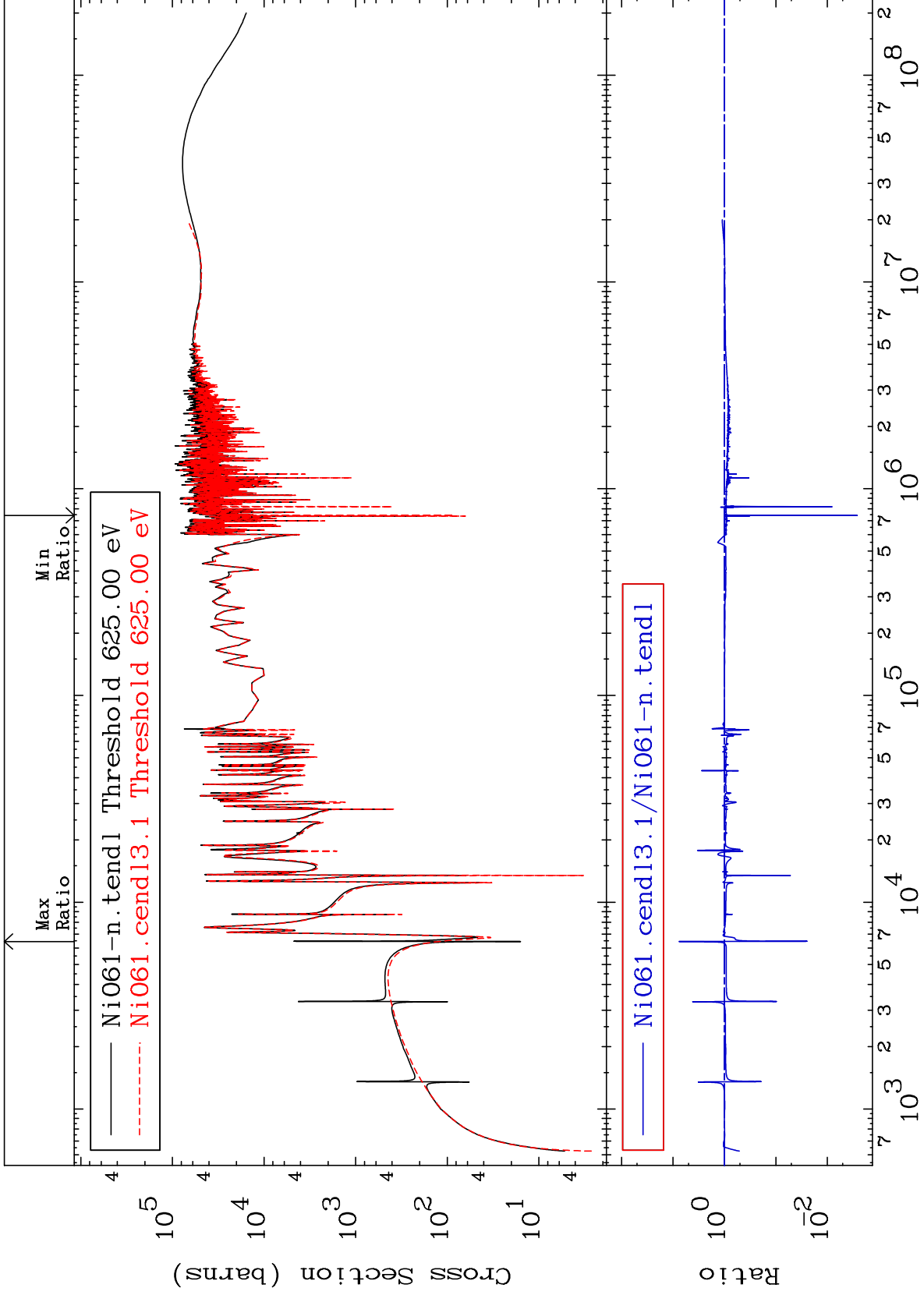
-98.22 To 972.6 %



MAT 2834

Dpa elastic (mt2)  
Cross Section

28-Ni-61  
-99.74 To 677.8 %



47

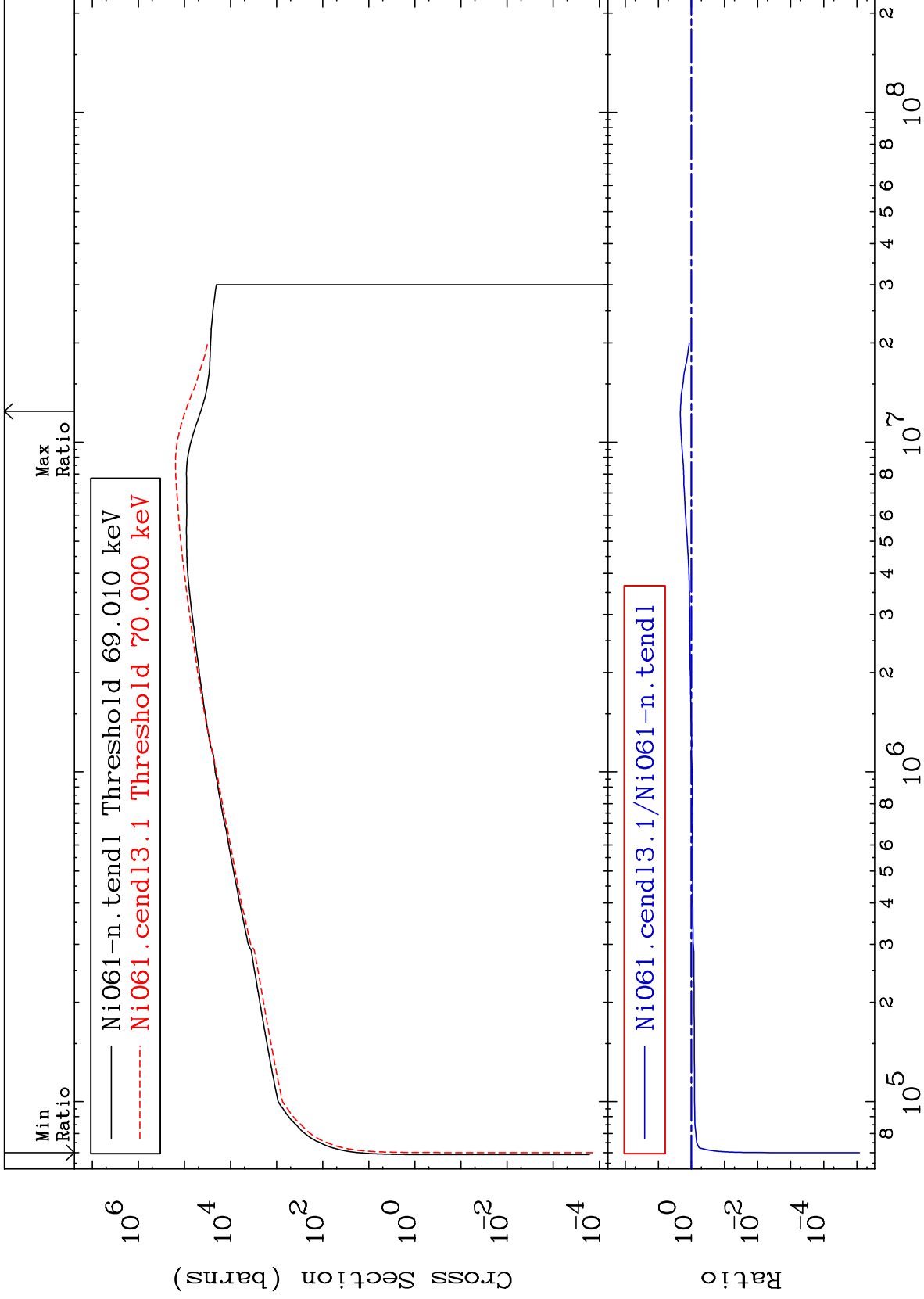
28-Ni-61

28-Ni-61

MAT 2834

Dpa inelastic (mt51-91)  
Cross Section

28-Ni-61  
-100.0 To 115.8 %



48

Incident Energy (eV)

28-Ni-61



