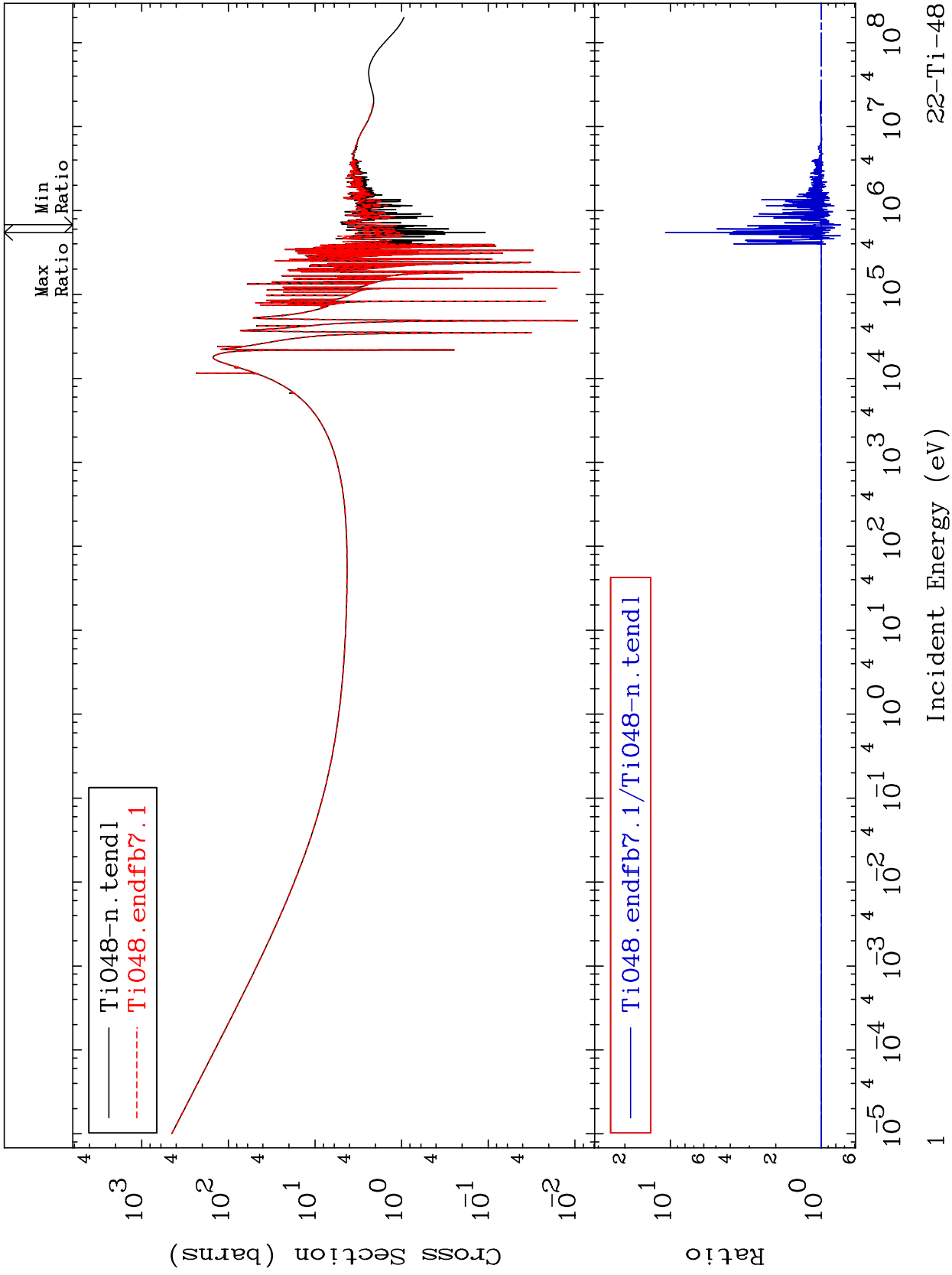


MAT 2231

Total  
Cross Section

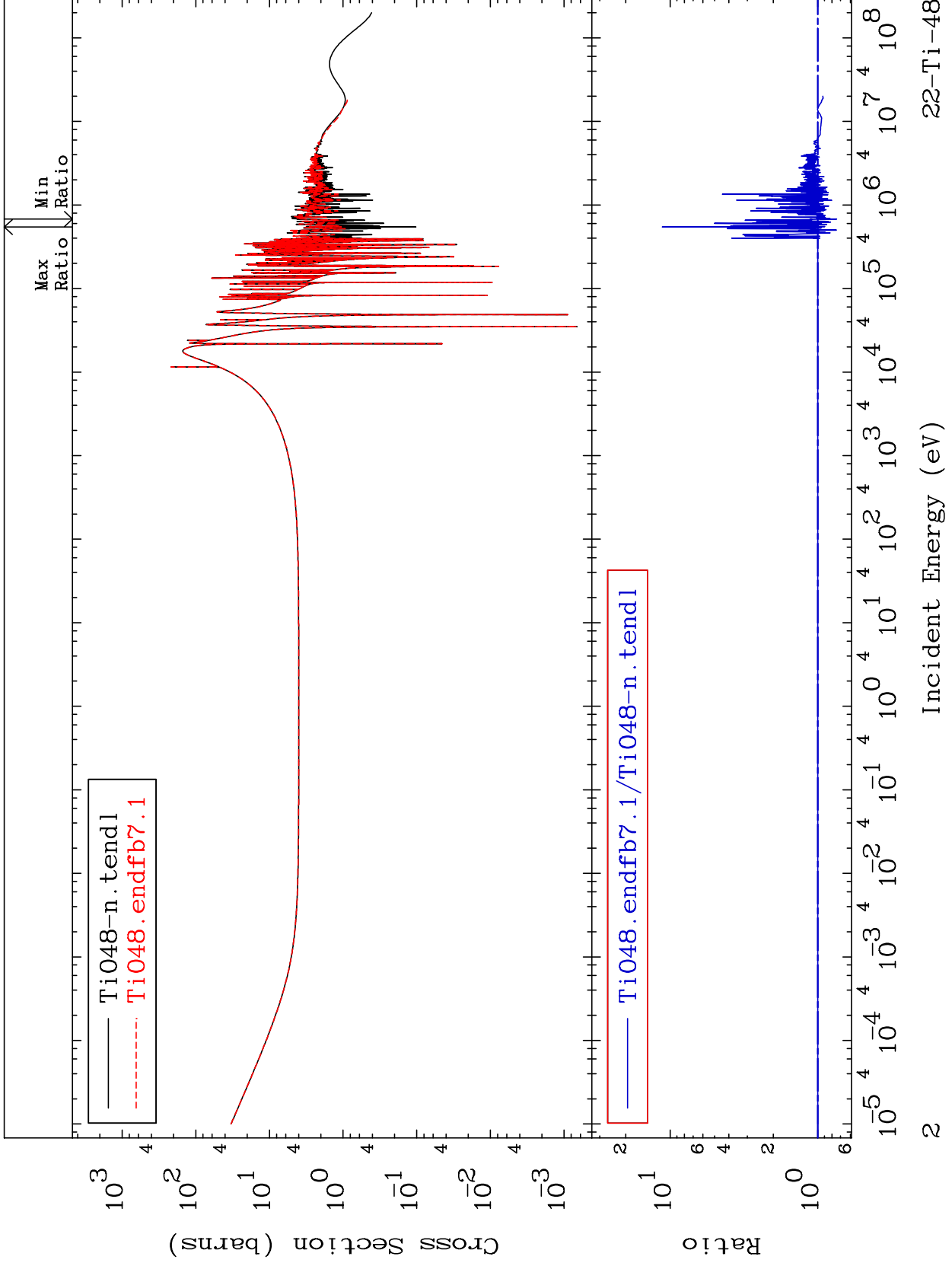
22-Ti-48  
-25.66 To 977.1 %



MAT 2231

Elastic  
Cross Section

22-Ti-48  
-25.64 To 1031. %



22-Ti-48

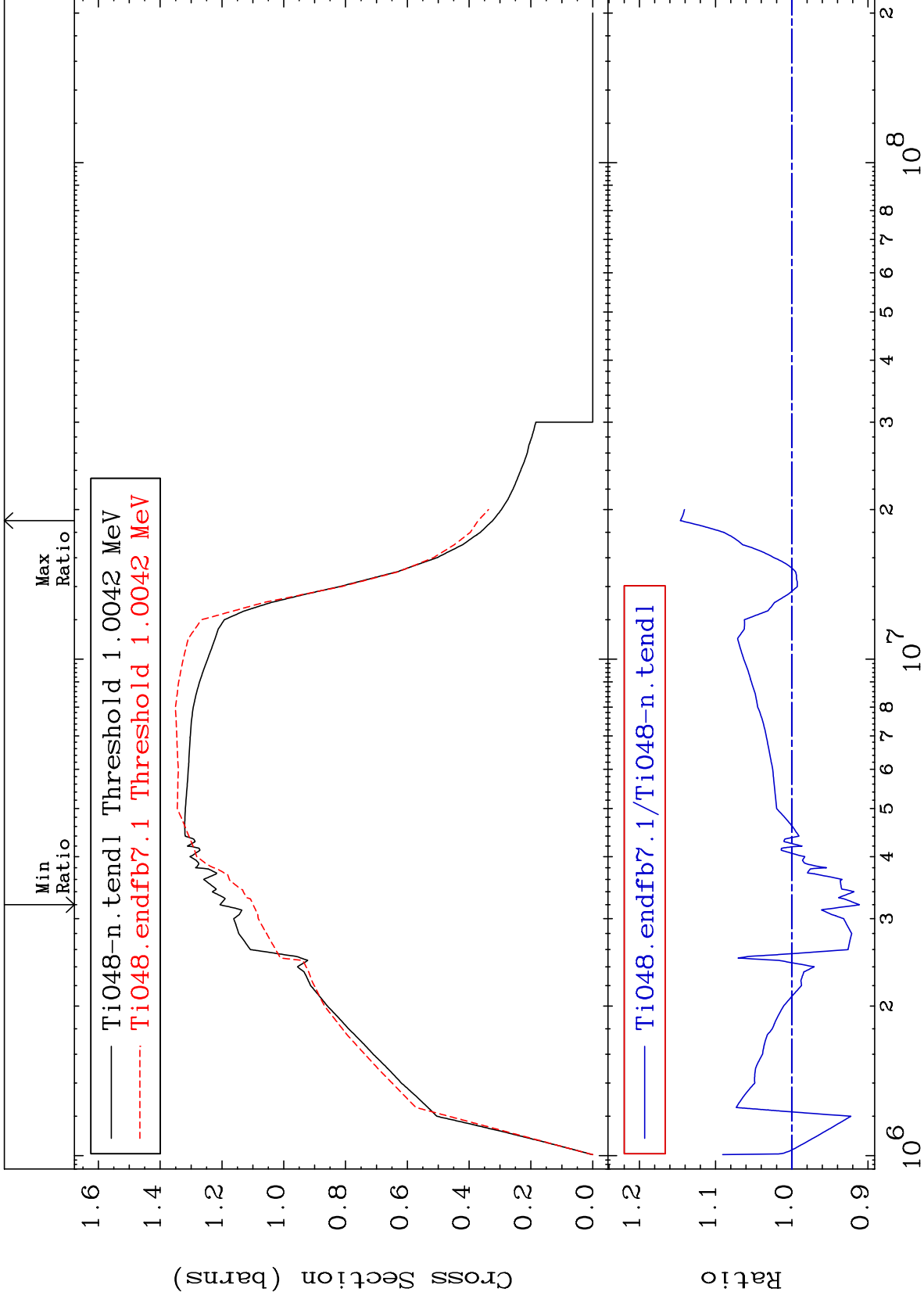
Incident Energy (eV)

2

MAT 2231

Inelastic  
Cross Section

22-Ti-48  
-8.884 To 14.63 %



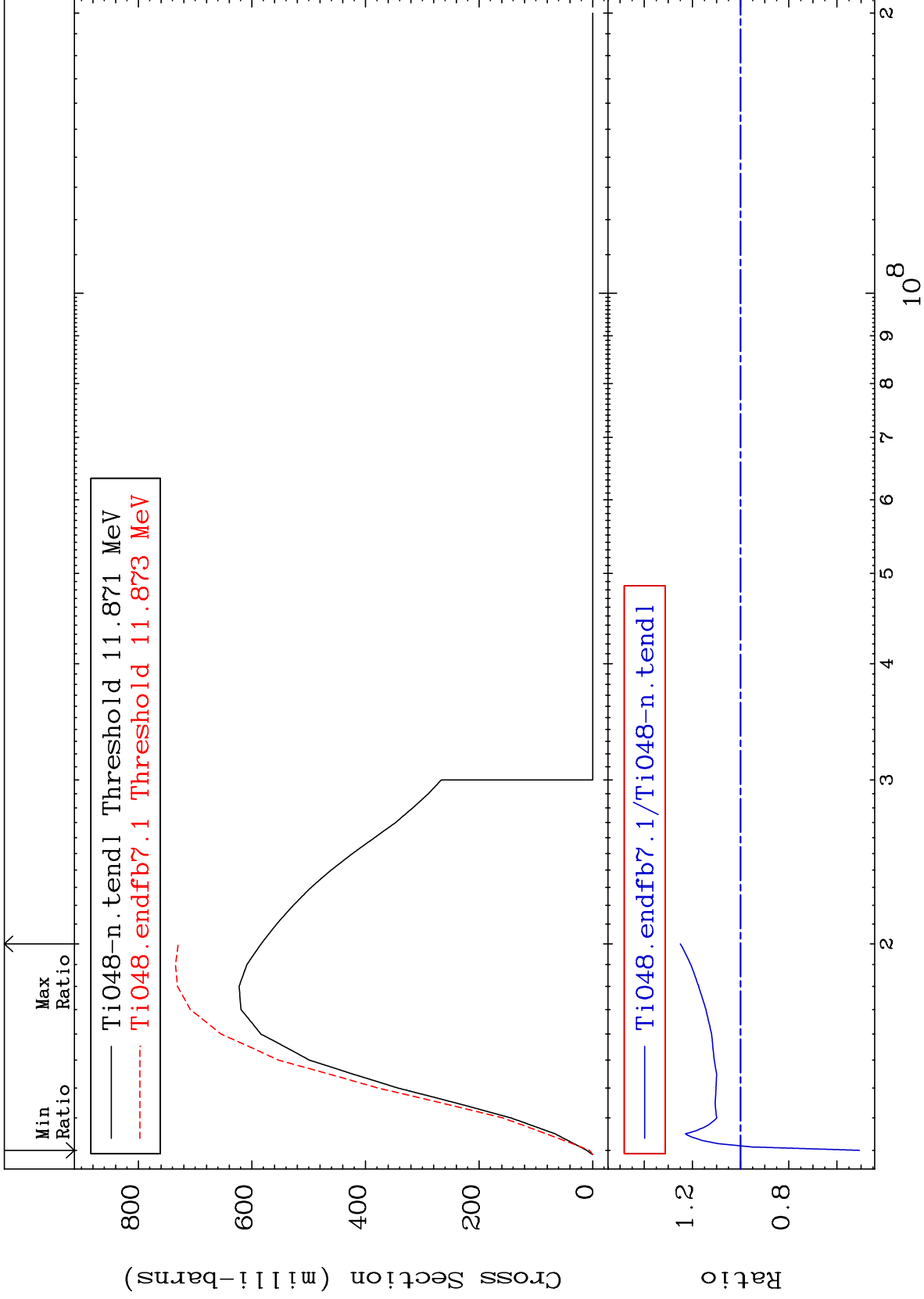
Incident Energy (eV)

22-Ti-48

MAT 2231

(n,2n)  
Cross Section

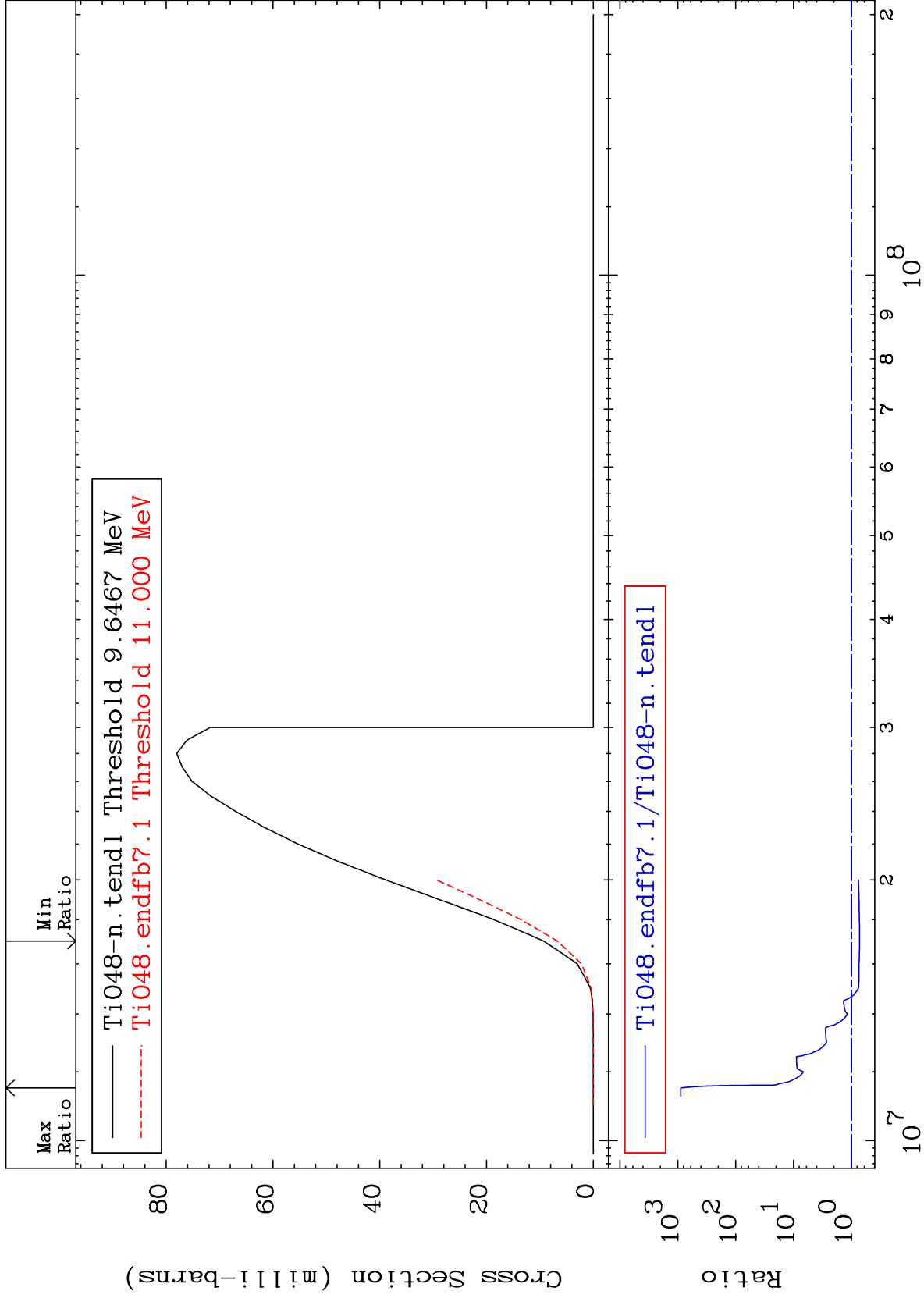
22-Ti-48  
-49.33 To 25.00 %



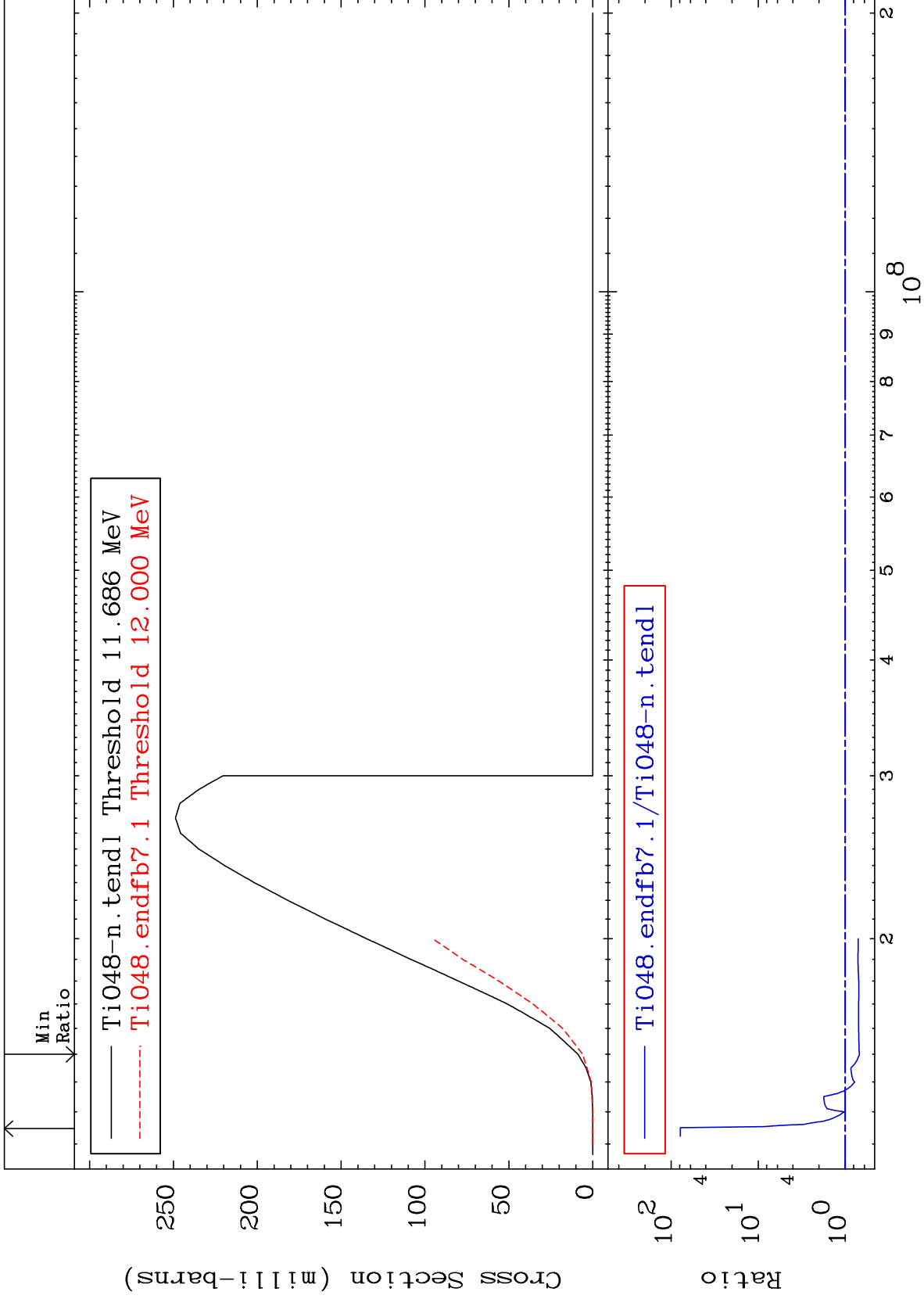
MAT 2231

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

22-Ti-48  
-27.55 To 9999. %



22-Ti-48



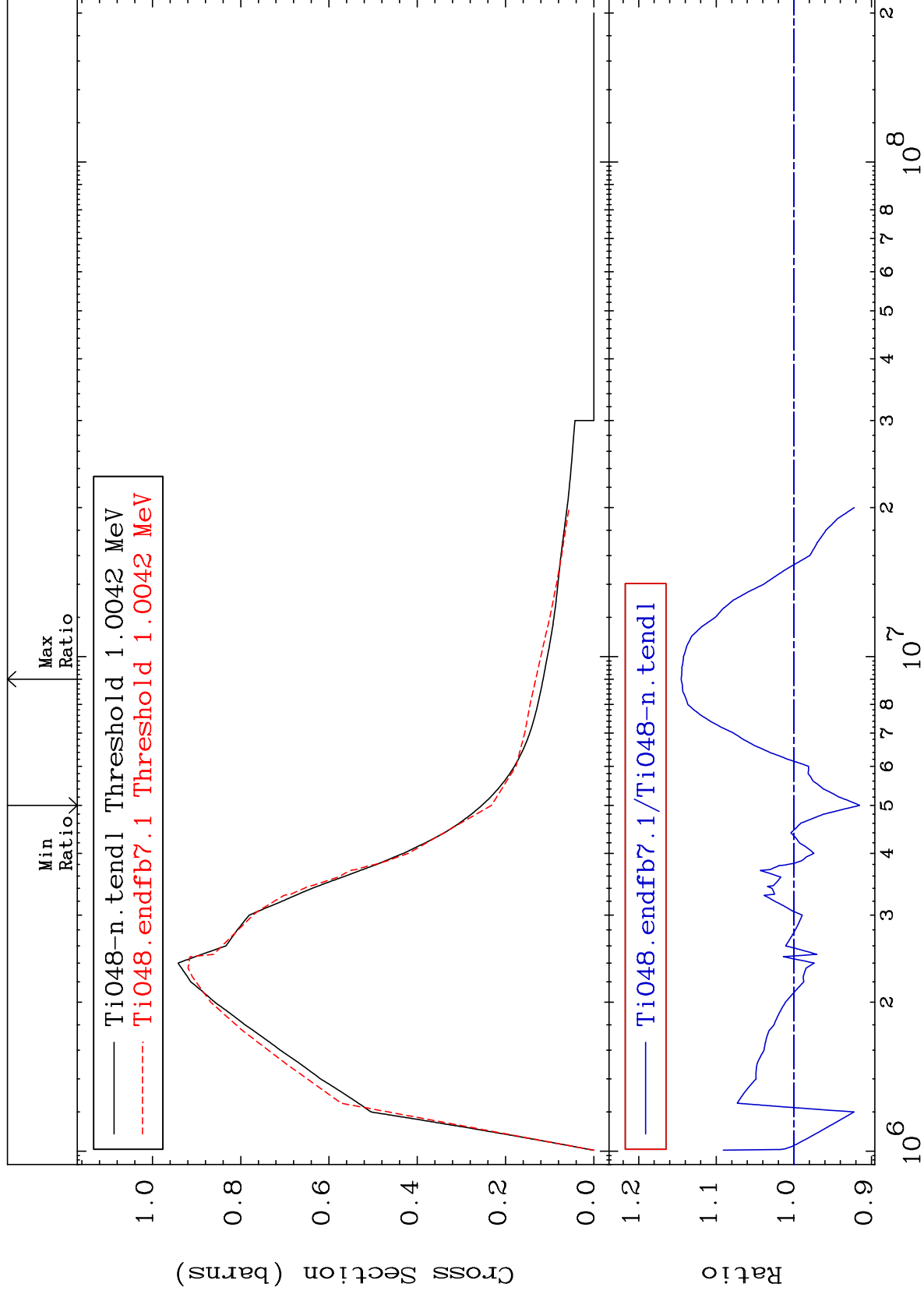
MAT 2231

983.5 keV (n,n') Level

22-Ti-48

-8.486 To 14.52 %

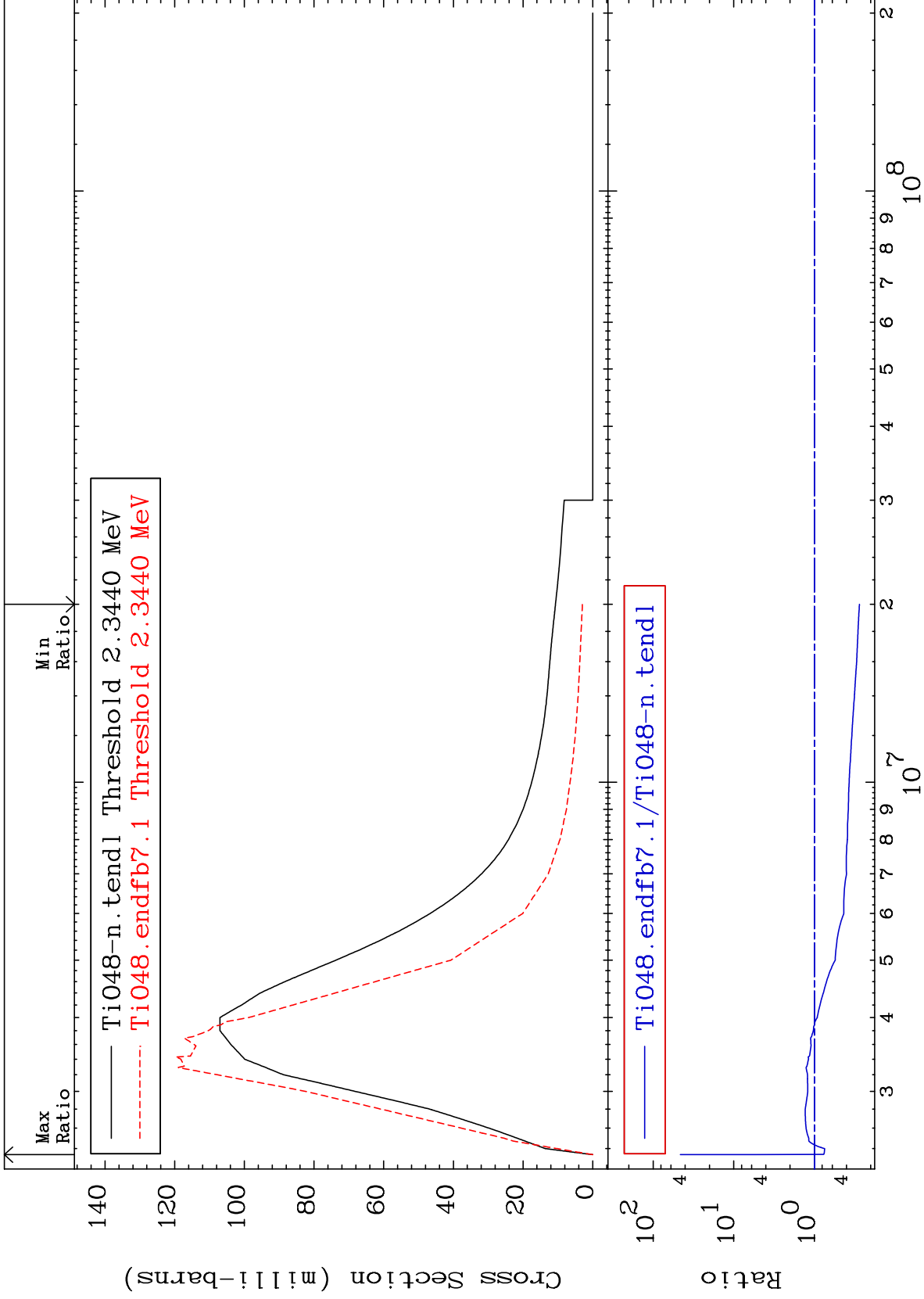
Cross Section



MAT 2231

2.296 MeV (n,n') Level  
Cross Section

22-Ti-48  
-72.39 To 4492. %

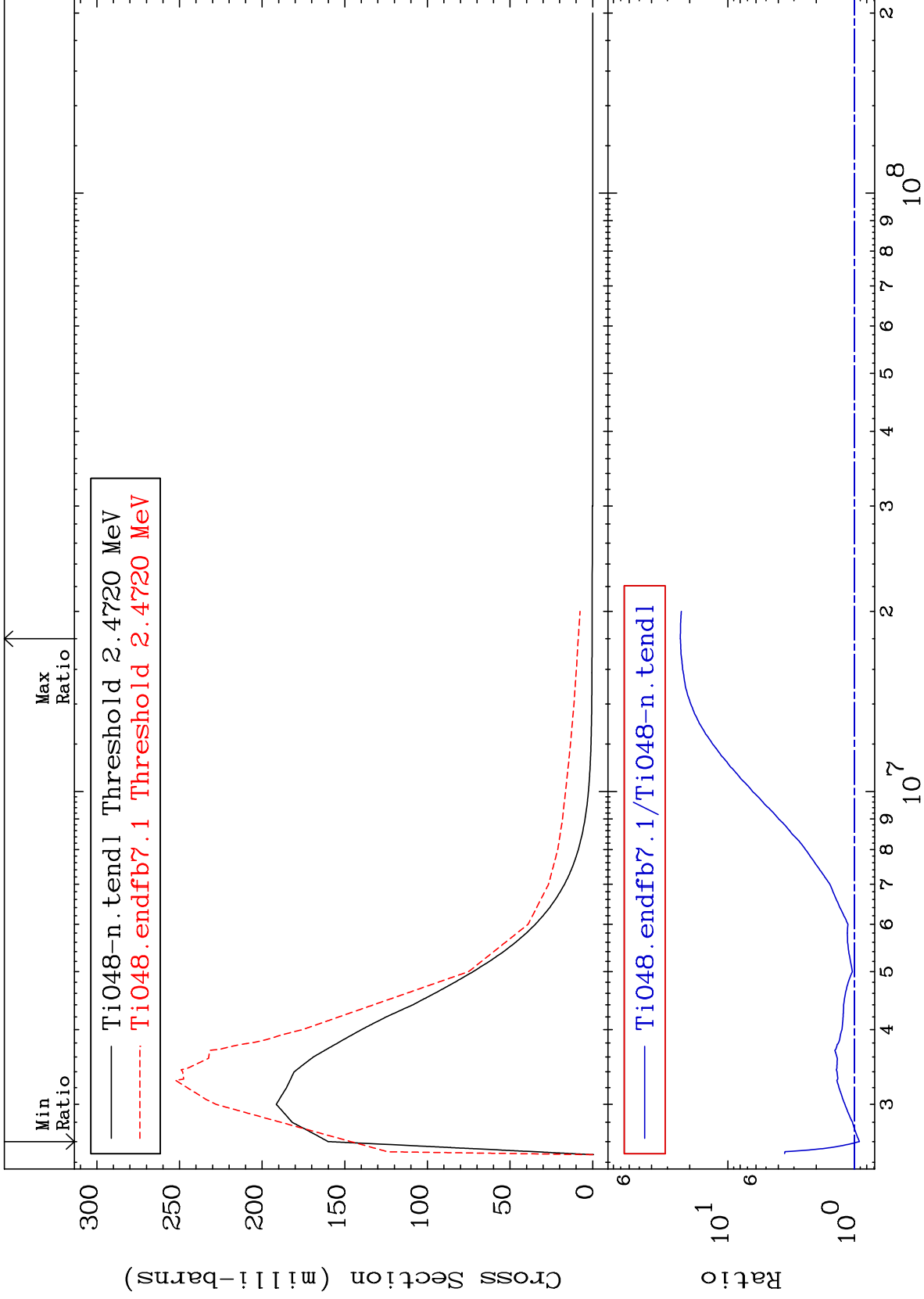




MAT 2231

2.421 MeV (n,n') Level  
Cross Section

22-Ti-48  
-8.573 To 2268. %



9

22-Ti-48

22-Ti-48

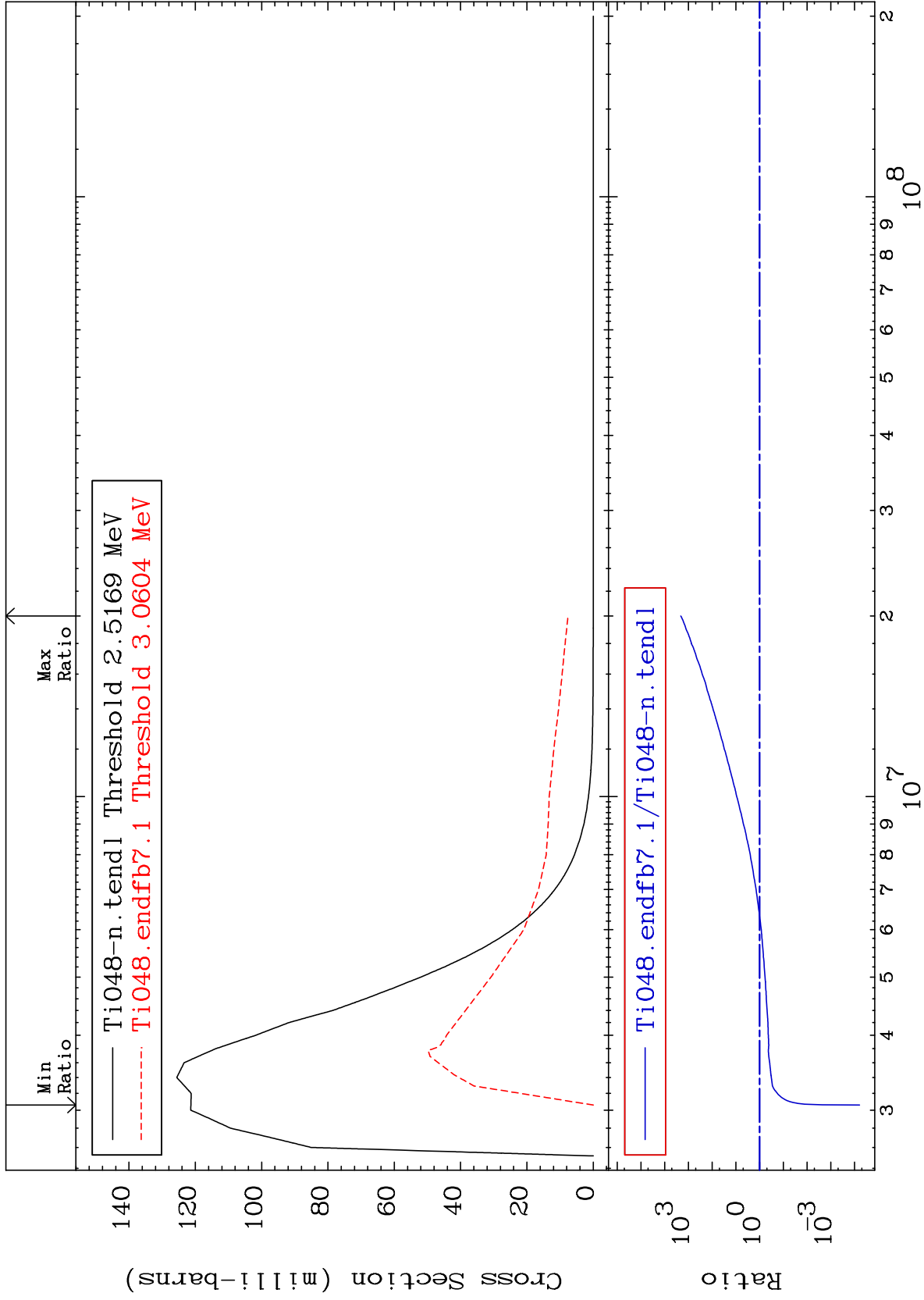
MAT 2231

2.465 MeV (n,n') Level

<sup>22</sup>Ti-48

-99.99 To 9999. %

Cross Section



10

Incident Energy (eV)

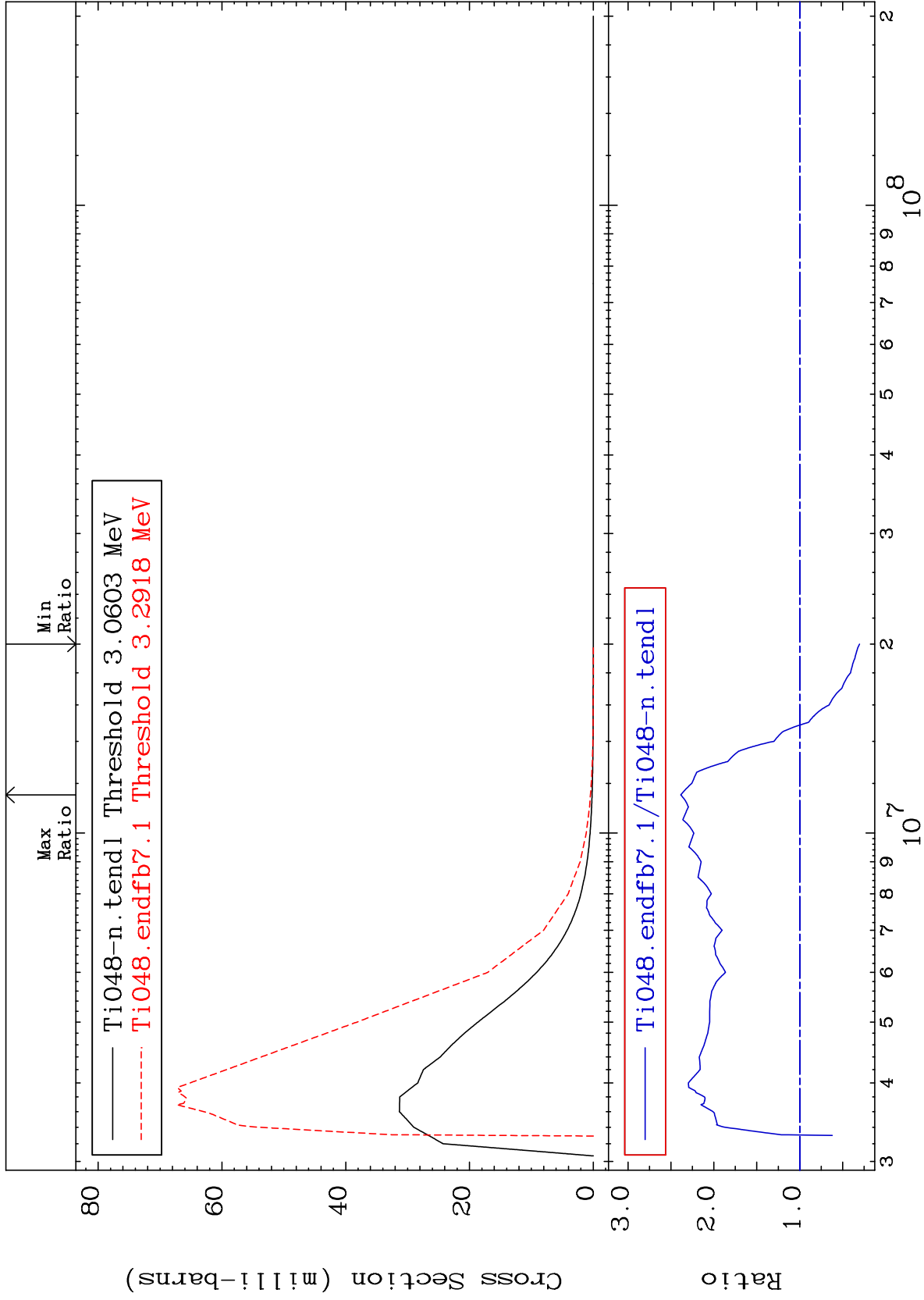
<sup>22</sup>Ti-48

MAT 2231

2.997 MeV (n,n') Level

<sup>22</sup>Ti-48

-69.61 To 138.5 %



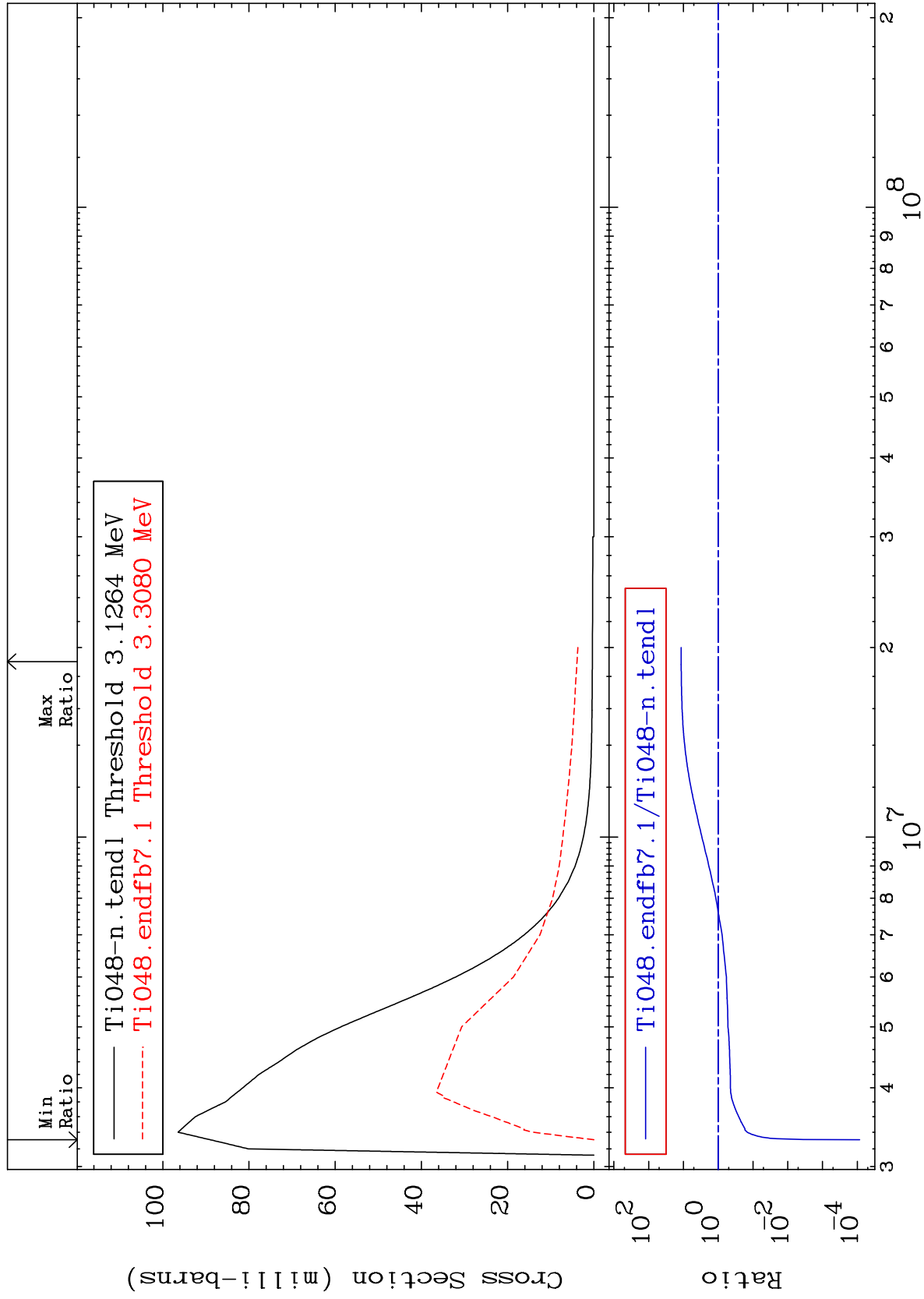
MAT 2231

3.062 MeV (n,n') Level

22-Ti-48

-99.99 To 1060. %

Cross Section



12

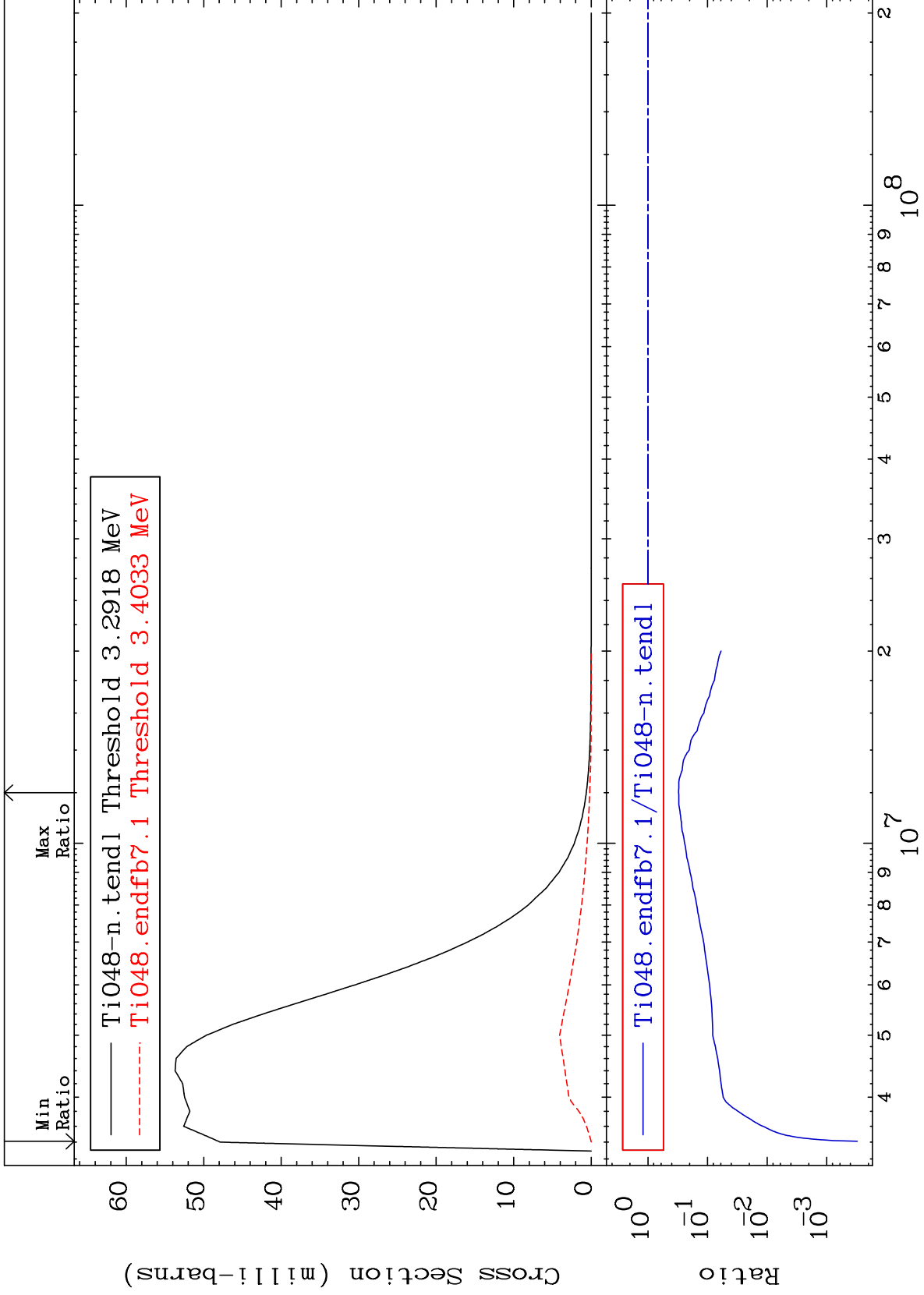
Incident Energy (eV)

22-Ti-48

MAT 2231

3.224 MeV (n,n') Level  
Cross Section

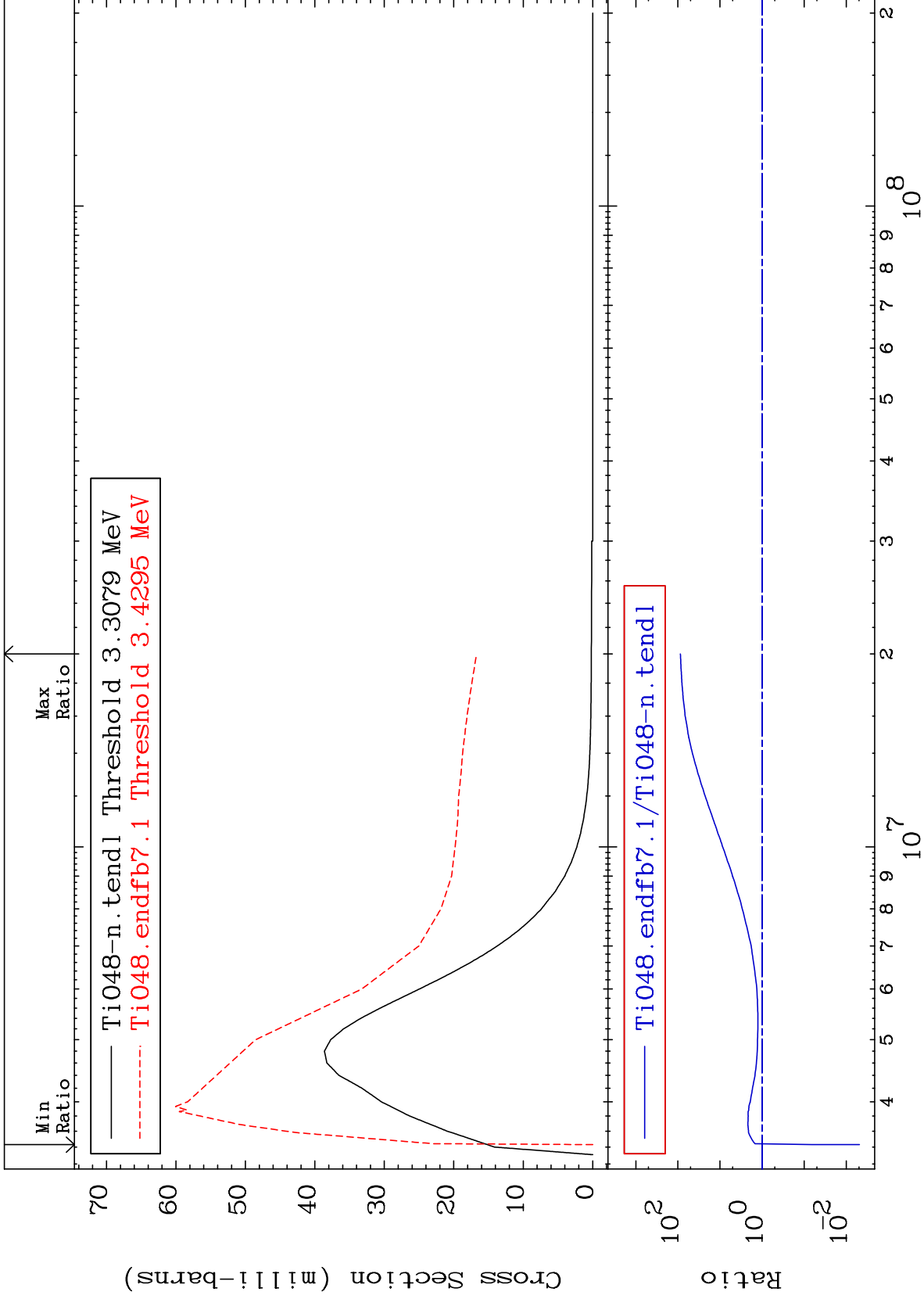
22-Ti-48  
-99.97 To -69.46%



MAT 2231

3.240 MeV (n,n') Level  
Cross Section

22-Ti-48  
-99.51 To 8648. %



14

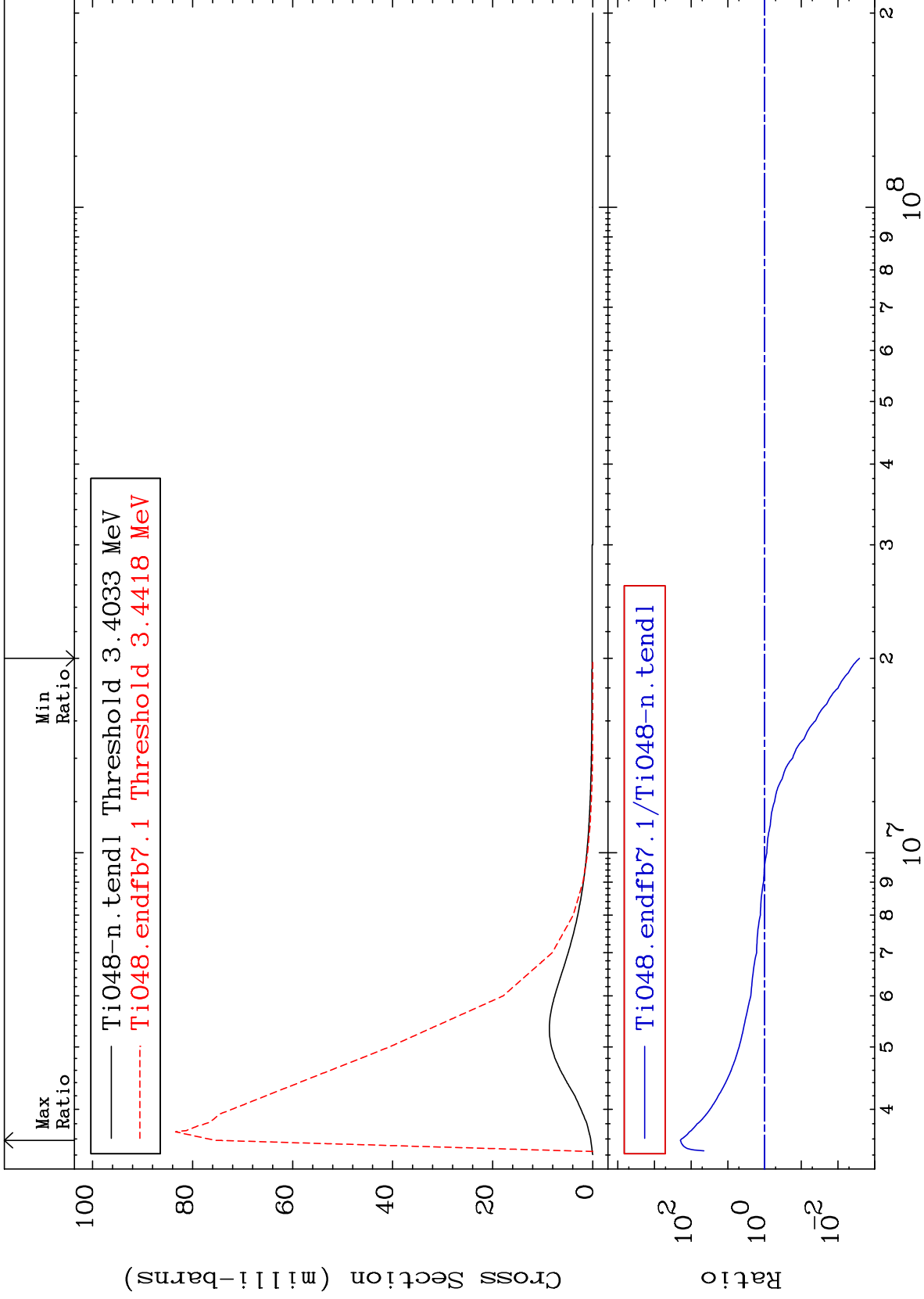
Incident Energy (eV)

22-Ti-48

MAT 2231

3.333 MeV (n,n') Level  
Cross Section

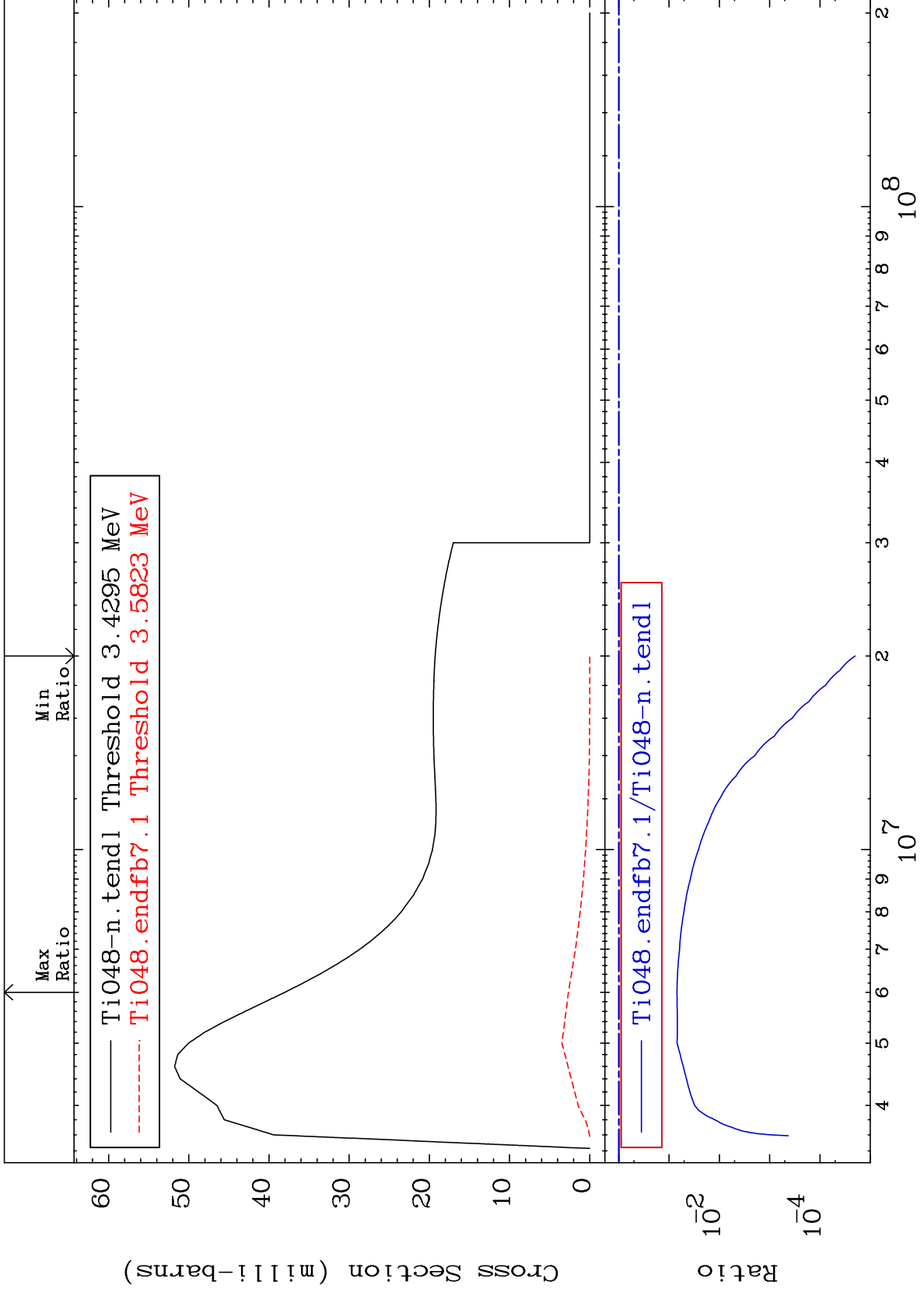
22-Ti-48  
-99.74 To 9999. %



MAT 2231

3.359 MeV (n,n') Level  
Cross Section

22-Ti-48  
-100.0 To -93.03%



16

Incident Energy (eV)

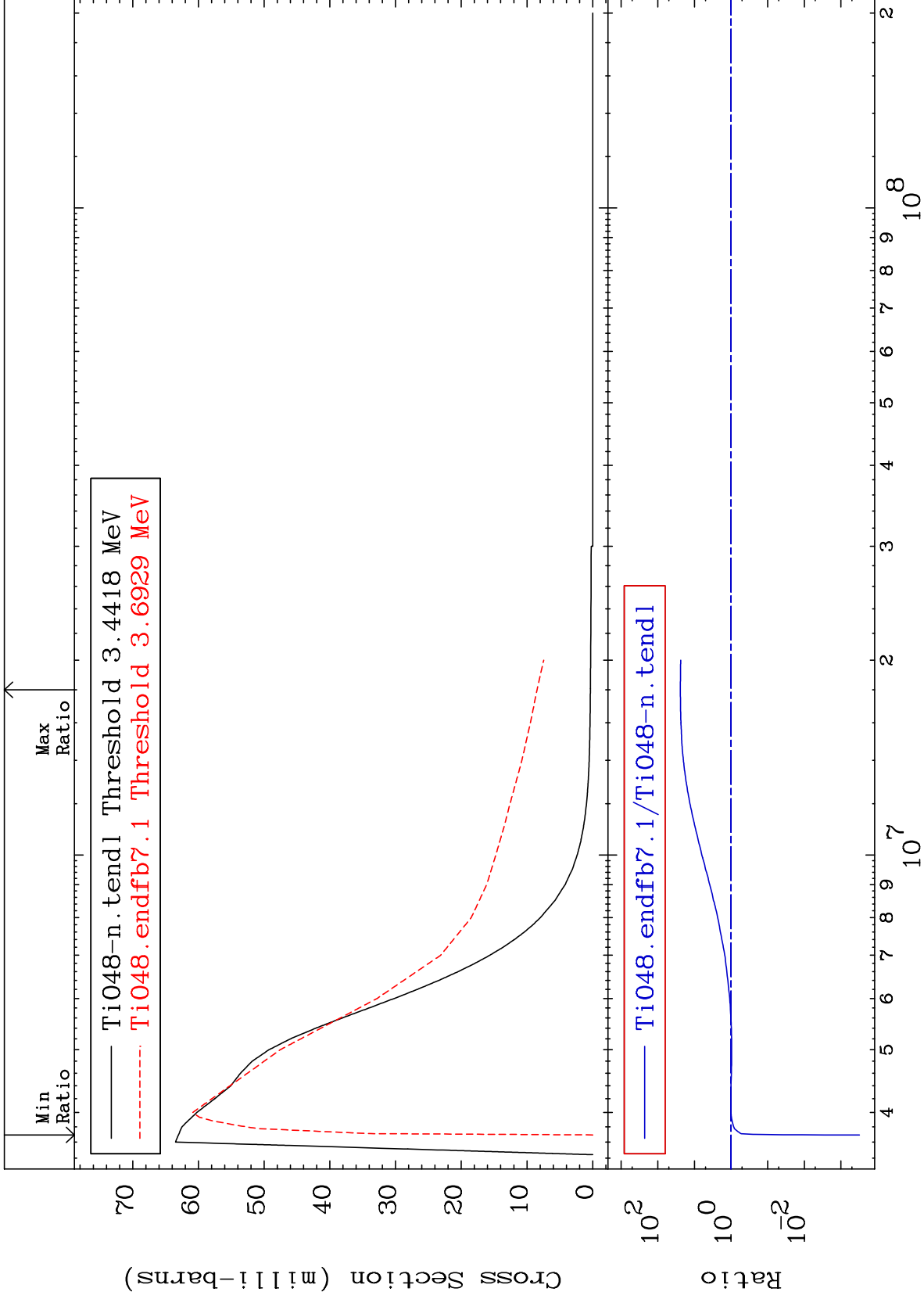
22-Ti-48



MAT 2231

3.371 MeV (n,n') Level  
Cross Section

22-Ti-48  
-99.97 To 2322. %



17

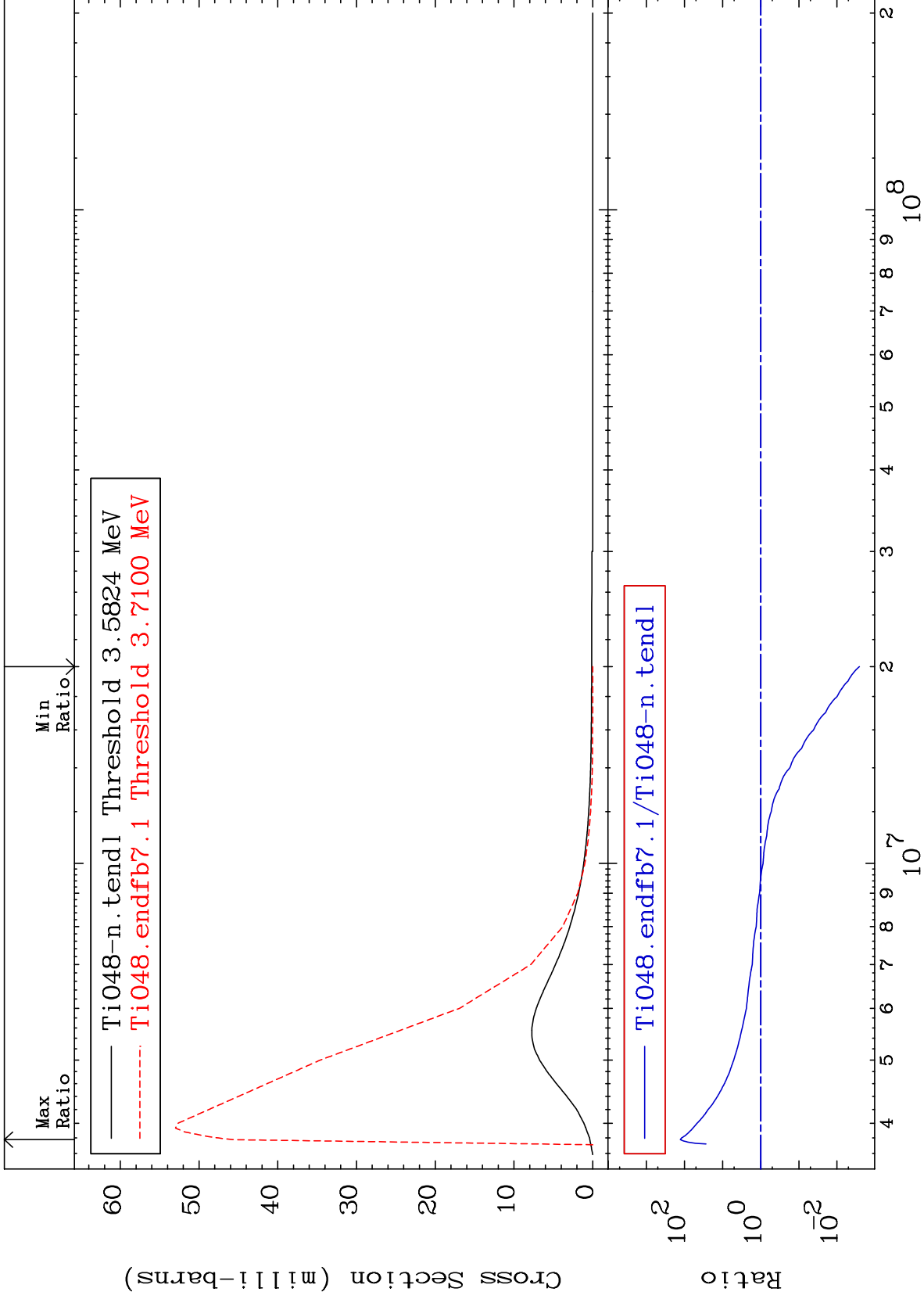
Incident Energy (eV)

22-Ti-48

MAT 2231

3.509 MeV (n,n') Level  
Cross Section

22-Ti-48  
-99.74 To 9999. %



18

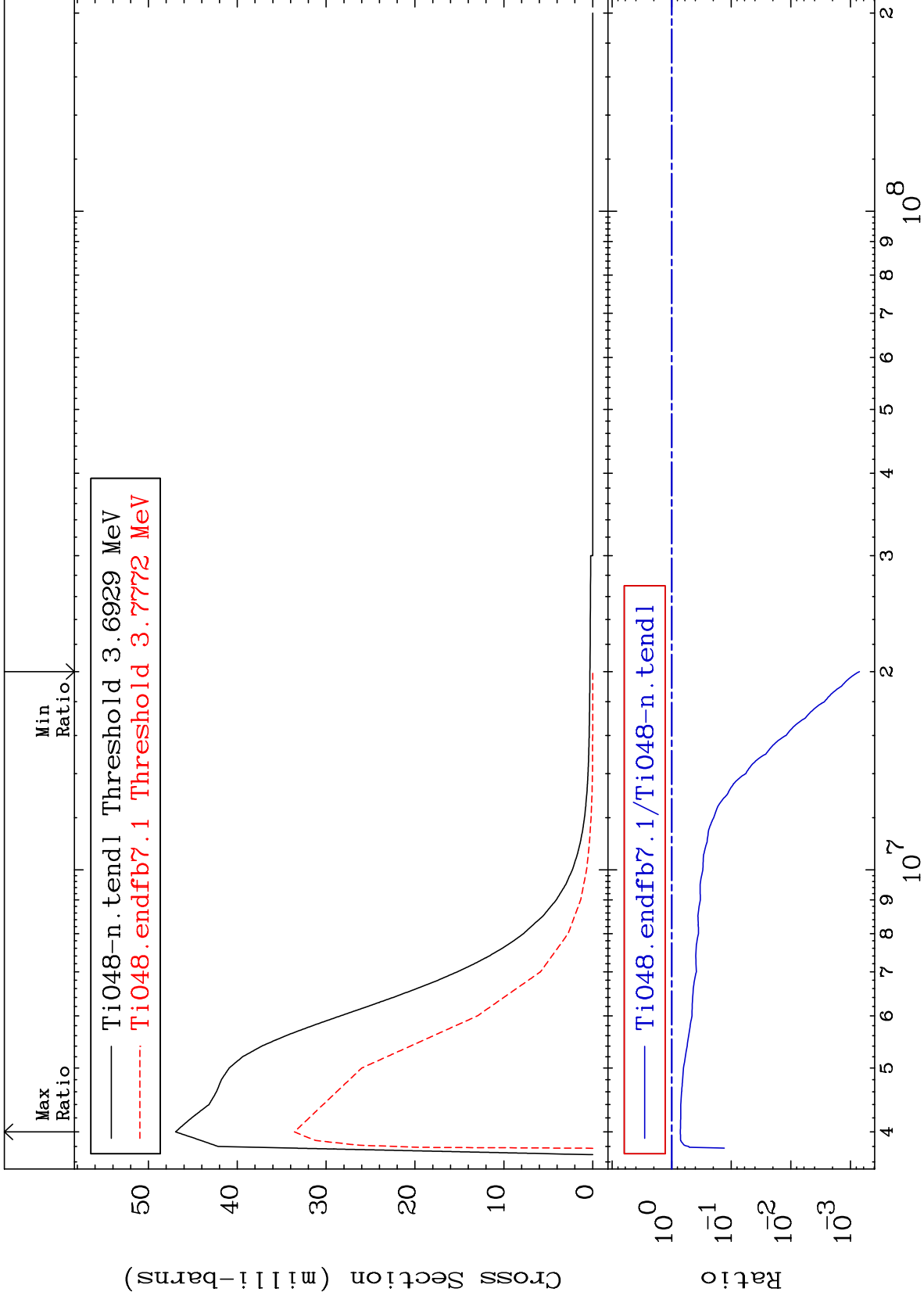
22-Ti-48

22-Ti-48

MAT 2231

3.617 MeV (n,n') Level  
Cross Section

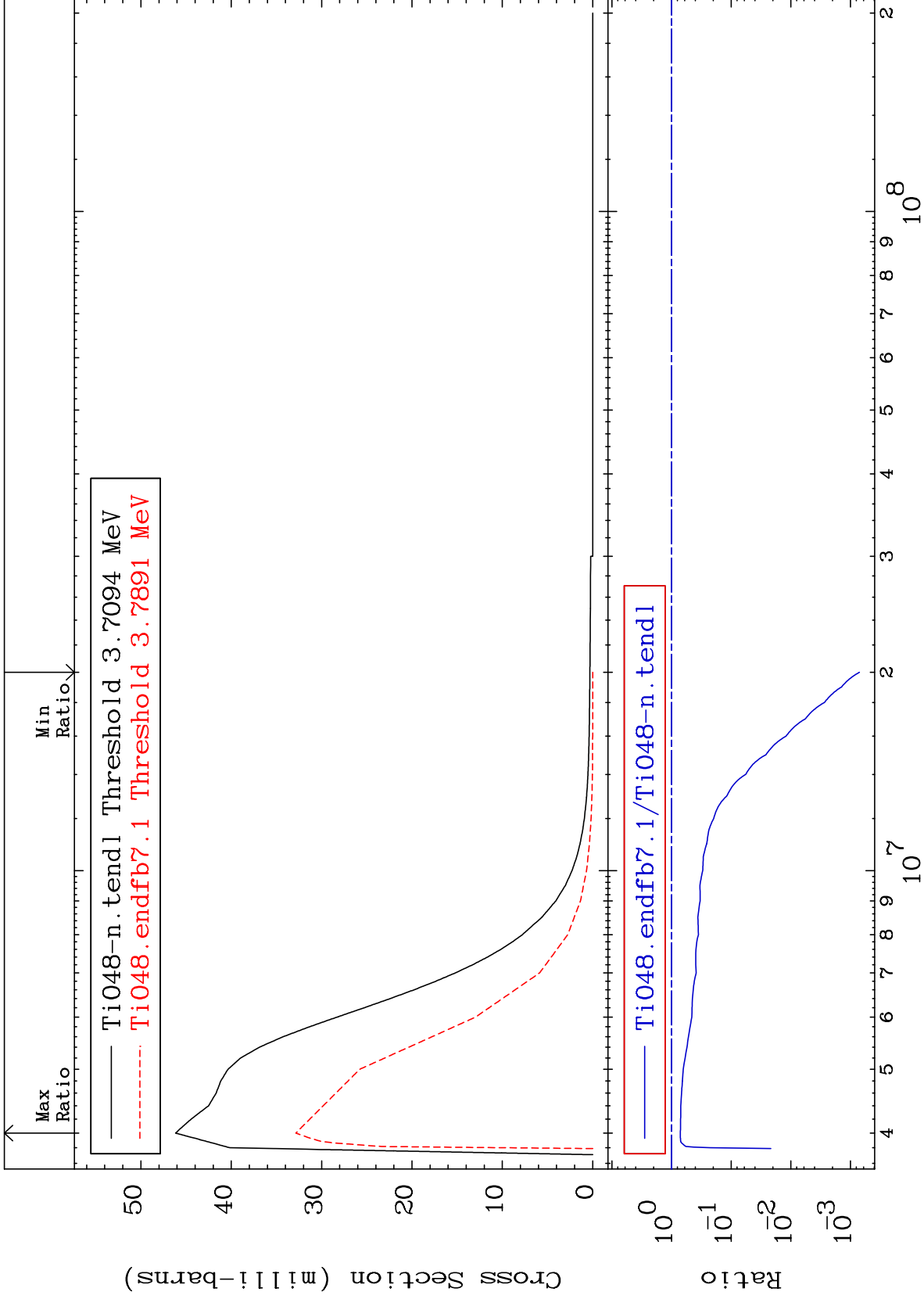
22-Ti-48  
-99.93 To -28.50%



MAT 2231

3.633 MeV (n,n') Level  
Cross Section

22-Ti-48  
-99.93 To -28.84%



20

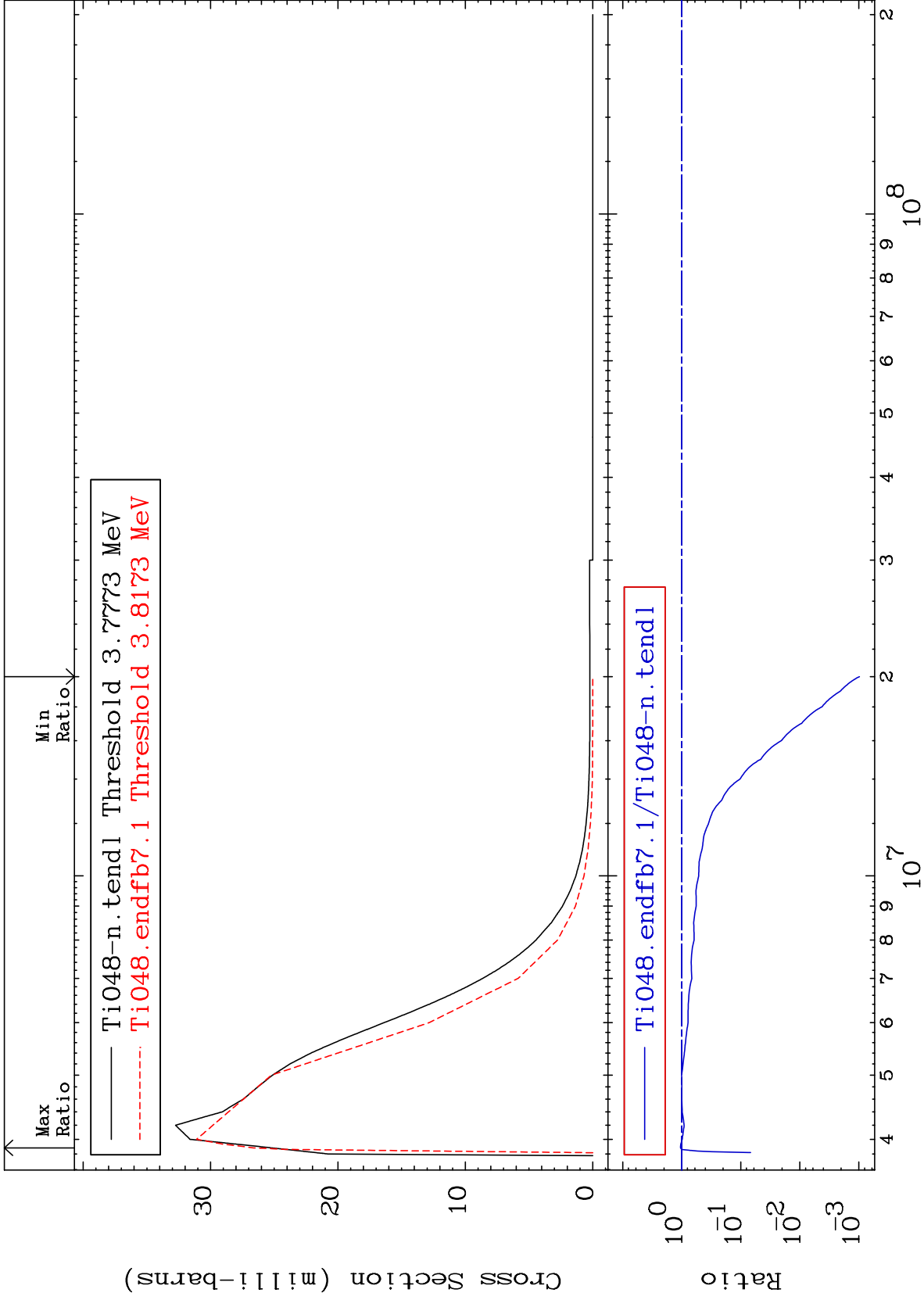
Incident Energy (eV)

22-Ti-48

MAT 2231

3.699 MeV (n,n') Level  
Cross Section

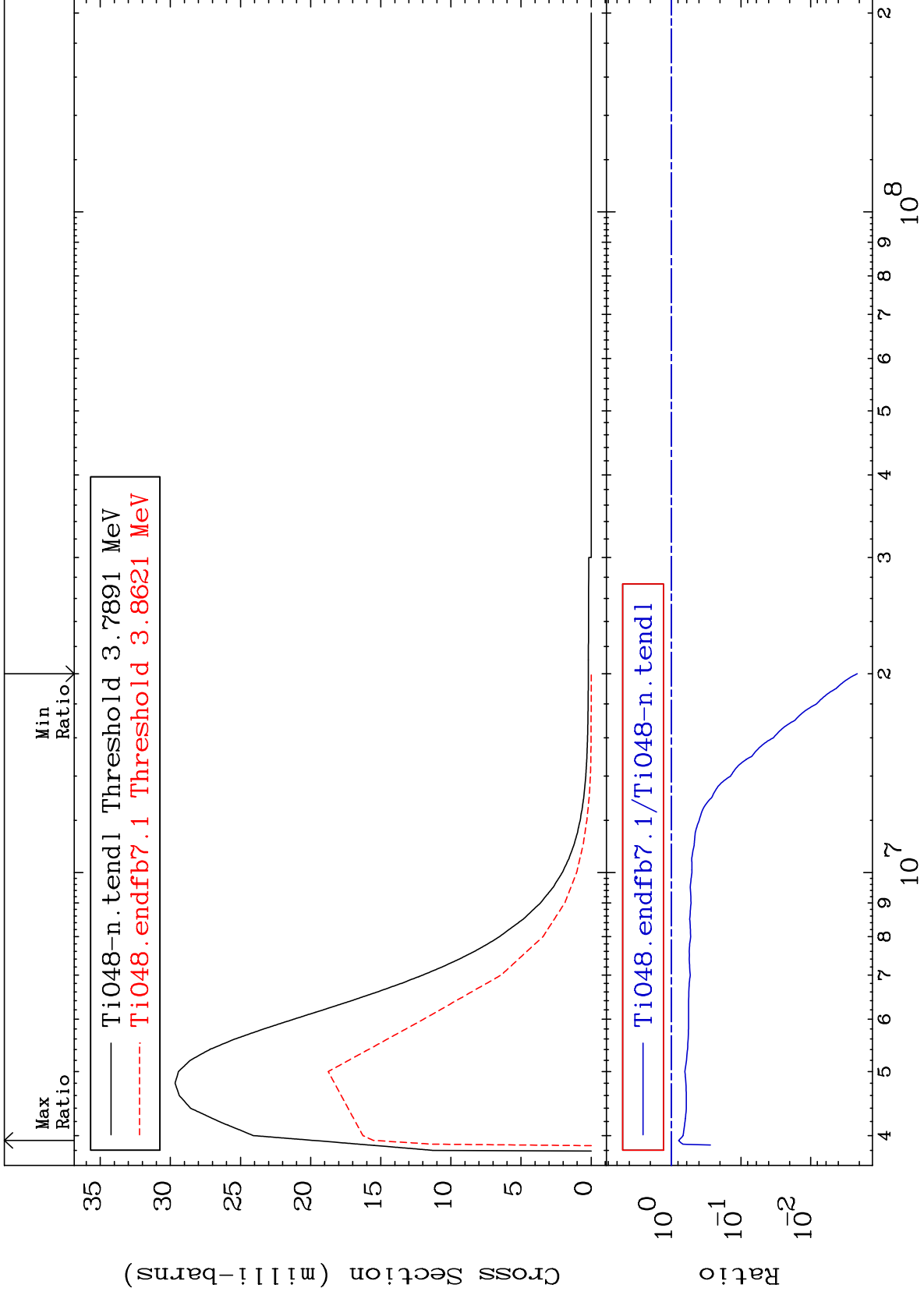
22-Ti-48  
-99.90 To 5.557 %



MAT 2231

3.711 MeV (n,n') Level  
Cross Section

22-Ti-48  
-99.79 To -21.69%



22

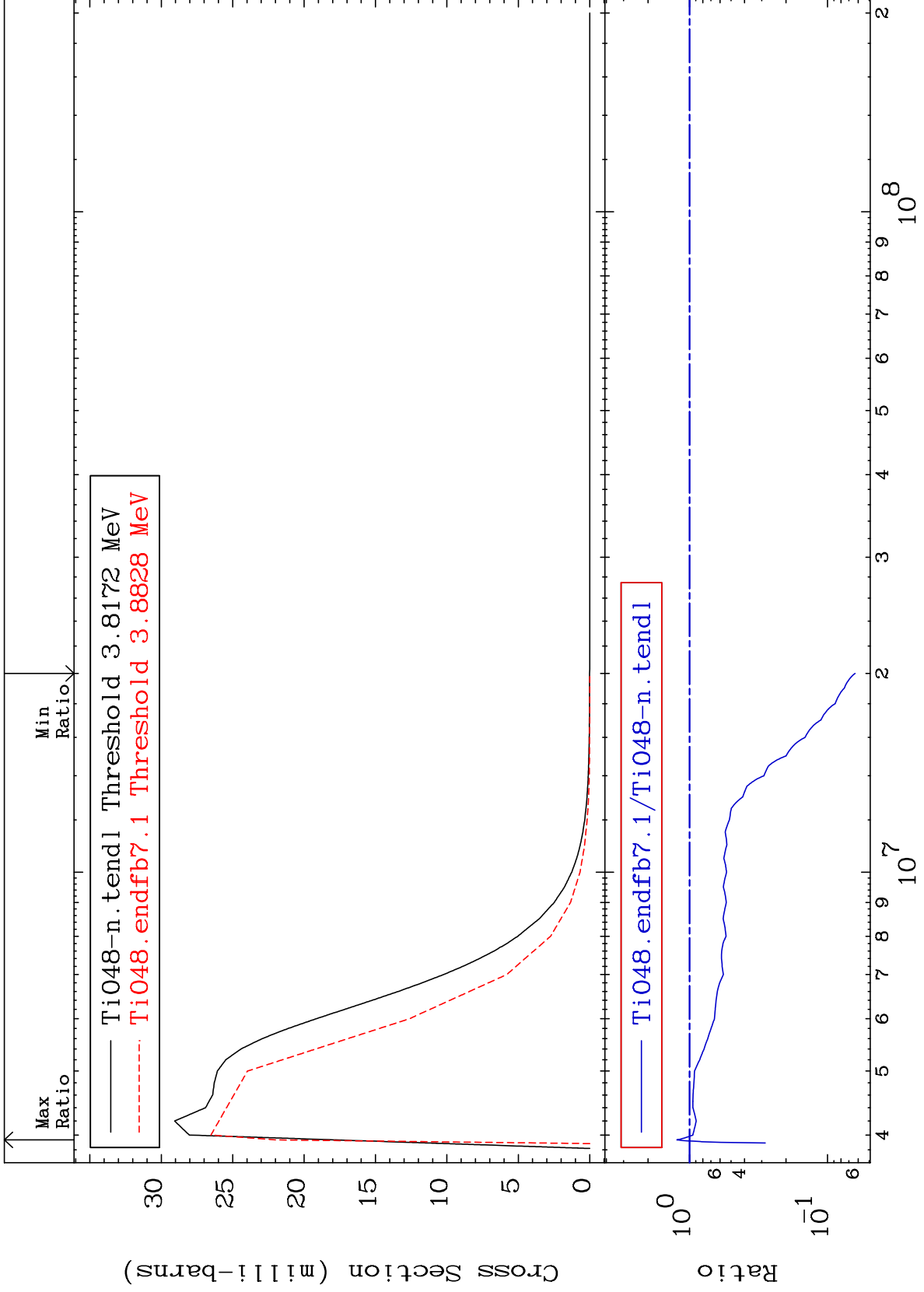
Incident Energy (eV)

22-Ti-48

MAT 2231

3.739 MeV (n,n') Level  
Cross Section

22-Ti-48  
-93.68 To 23.35 %



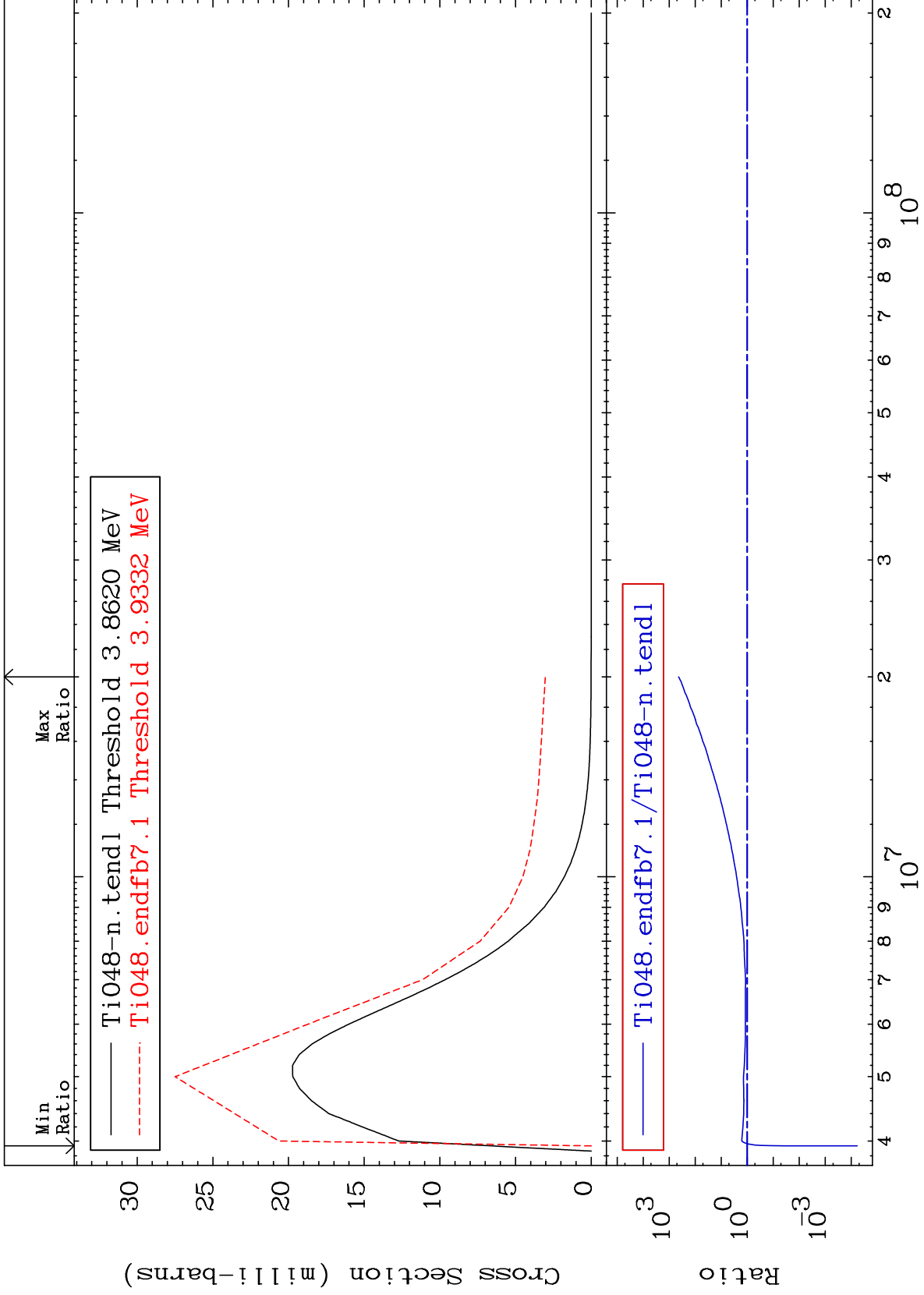
23

22-Ti-48

MAT 2231

3.782 MeV (n,n') Level  
Cross Section

22-Ti-48  
-99.99 To 9999. %

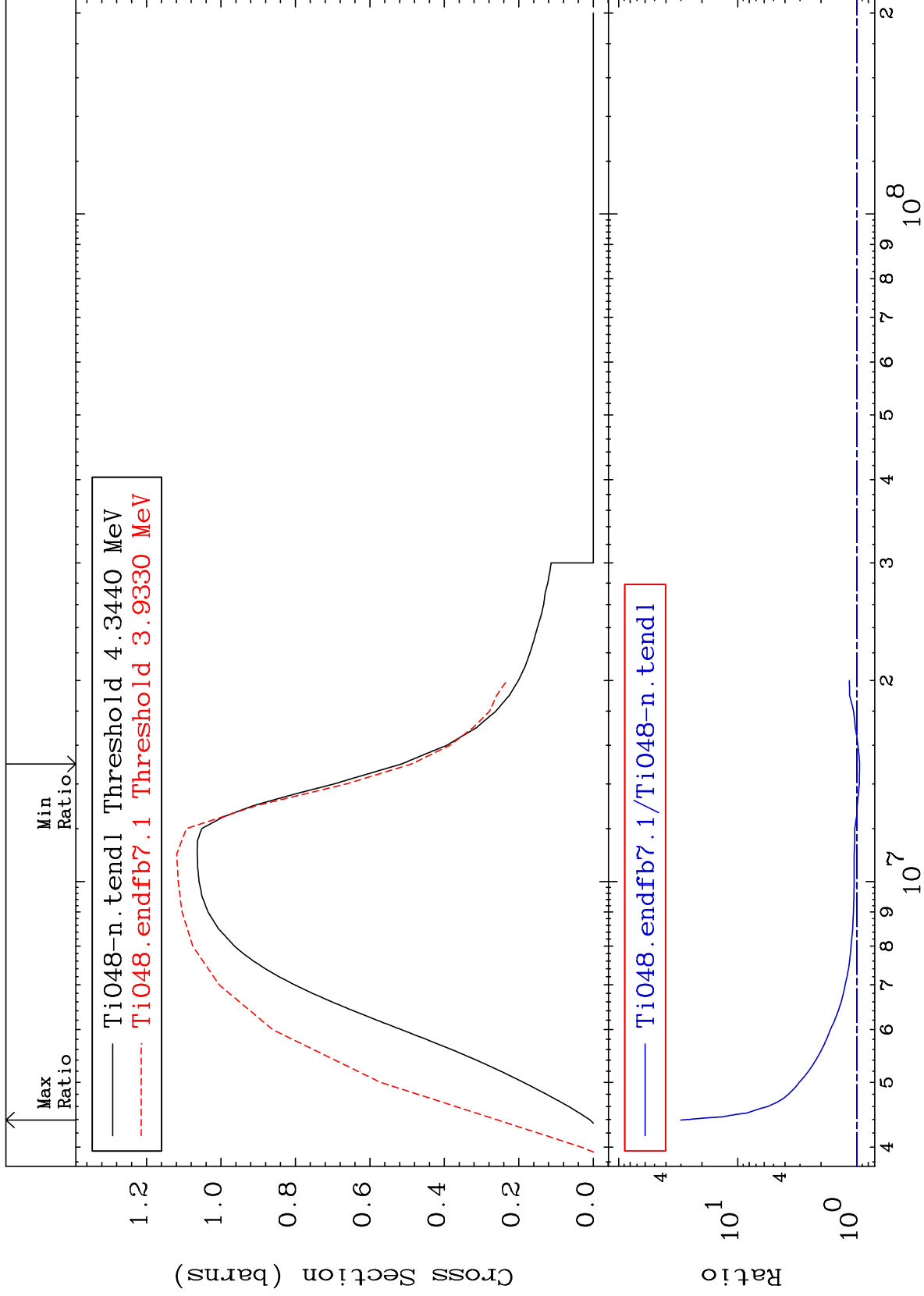




MAT 2231

(n, n') Continuum  
Cross Section

<sup>22</sup>Ti-48  
-5.188 To 2907. %



25

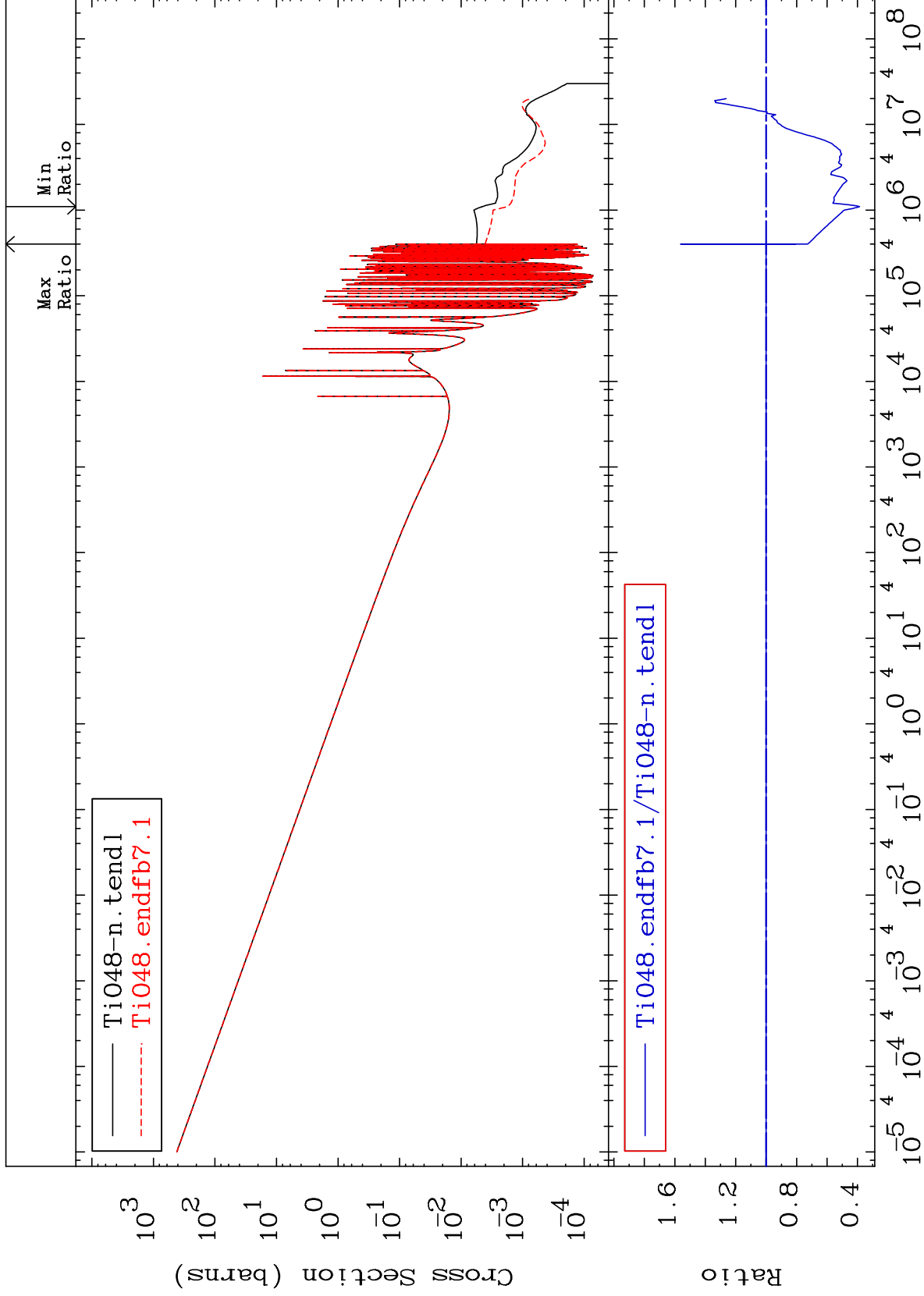
Incident Energy (eV)

<sup>22</sup>Ti-48

MAT 2231

(n,  $\gamma$ )  
Cross Section

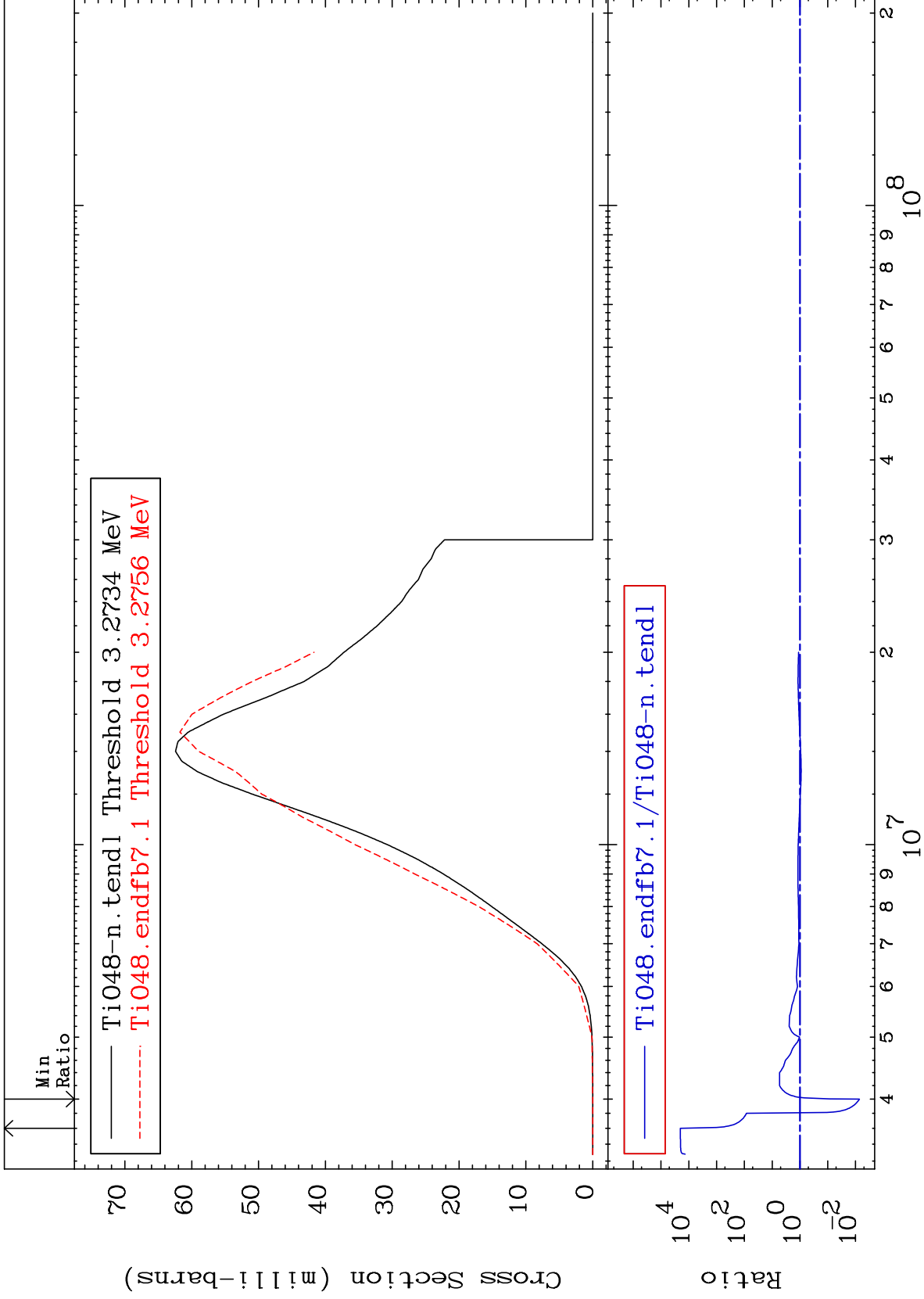
22-Ti-48  
-61.33 To 56.08 %



MAT 2231

(n,p)  
Cross Section

22-Ti-48  
-99.28 To 9999. %



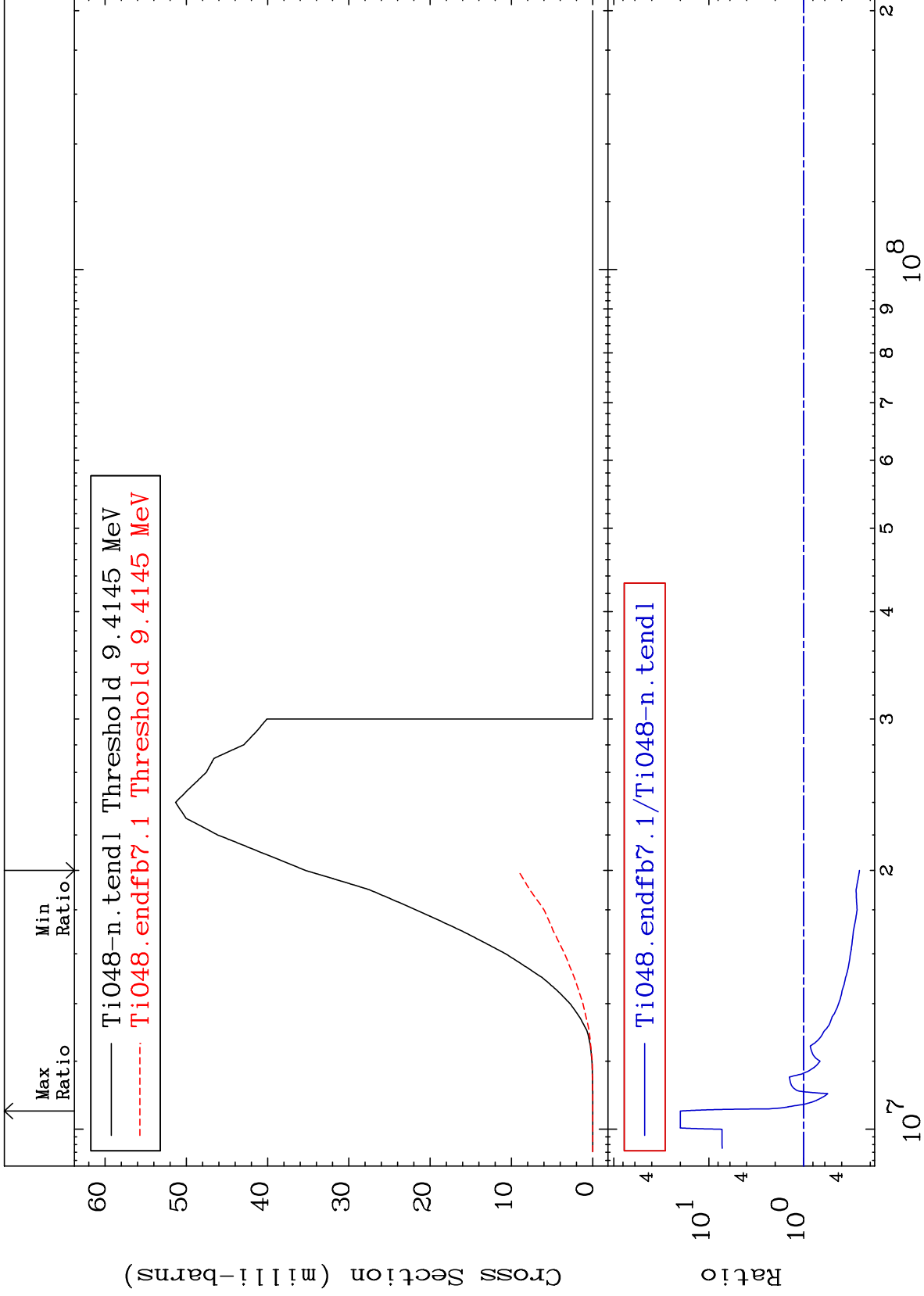
MAT 2231

(n, d)

<sup>22</sup>Ti-48

Cross Section

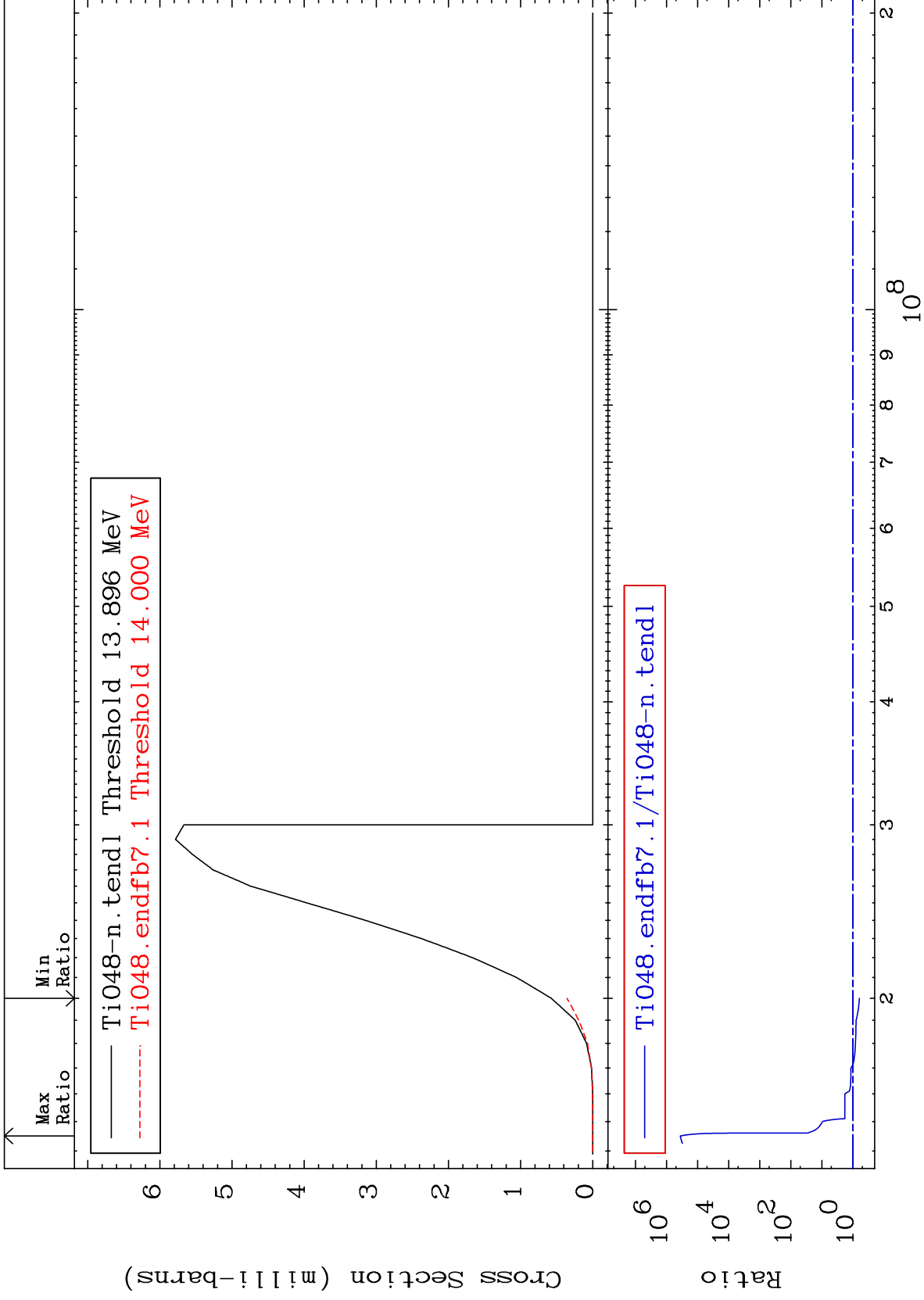
-74.03 To 1895. %

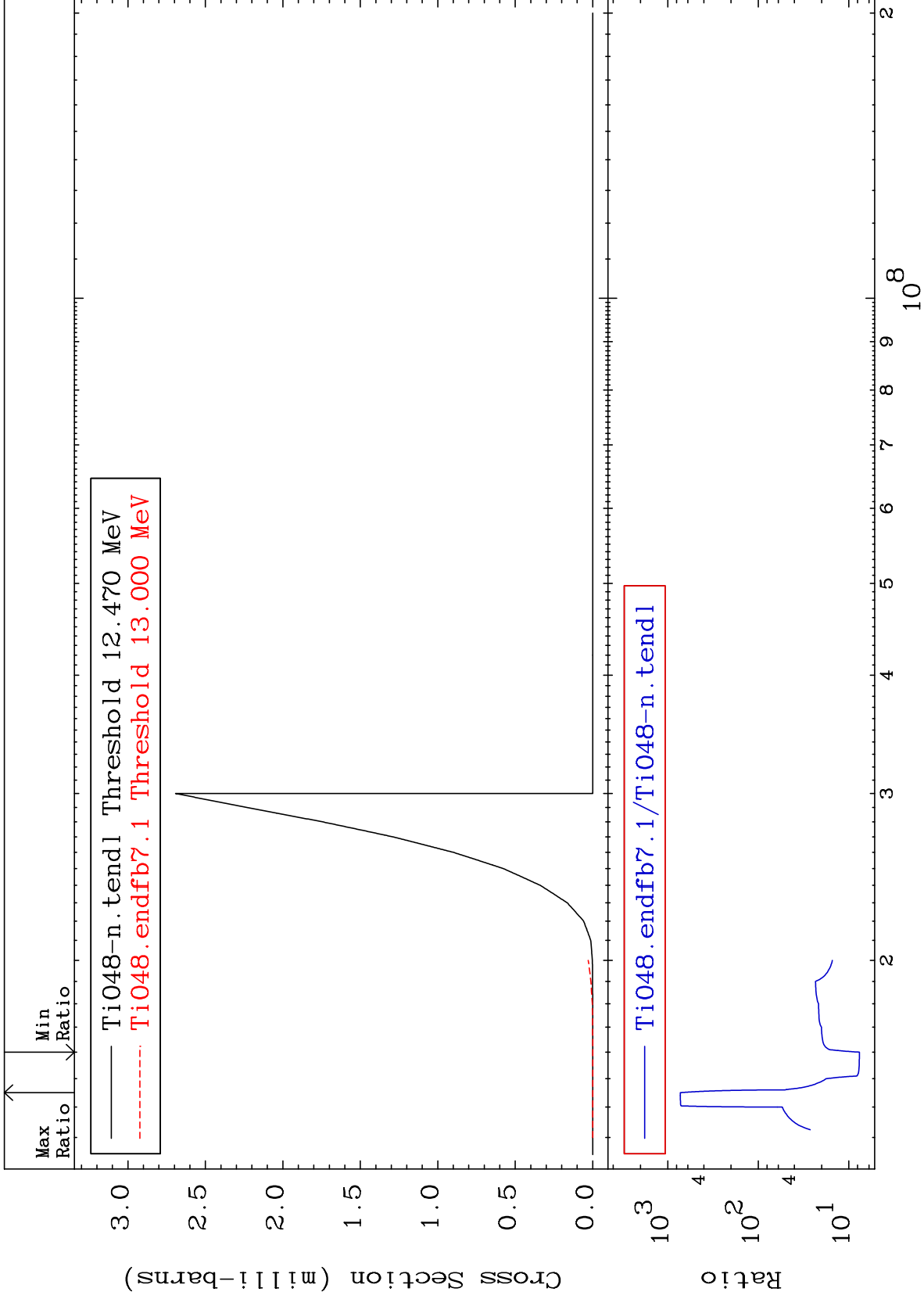


28

Incident Energy (eV)

<sup>22</sup>Ti-48





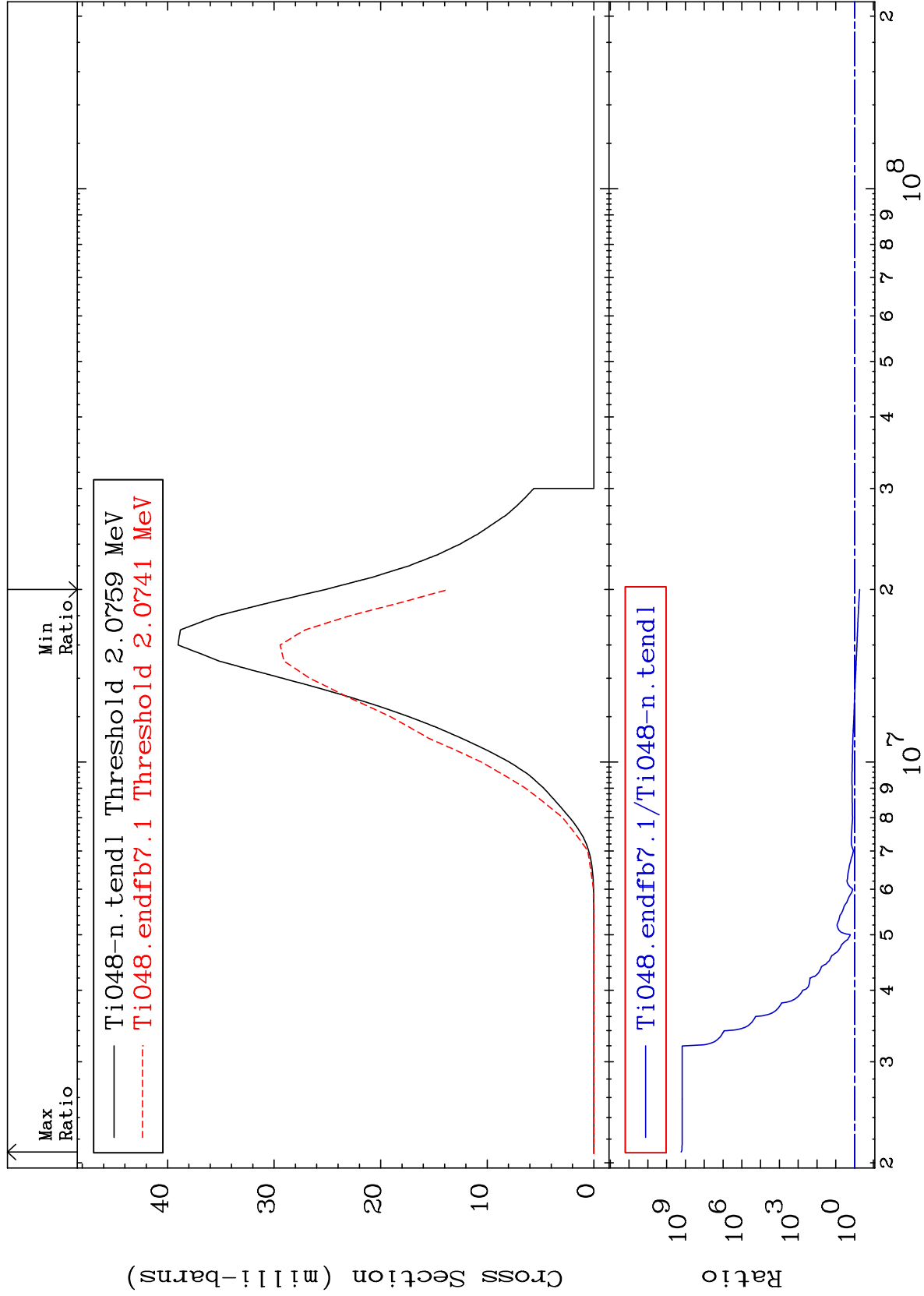
MAT 2231

(n,  $\alpha$ )

<sup>22</sup>Ti-48

Cross Section

-45.81 To 9999. %



31

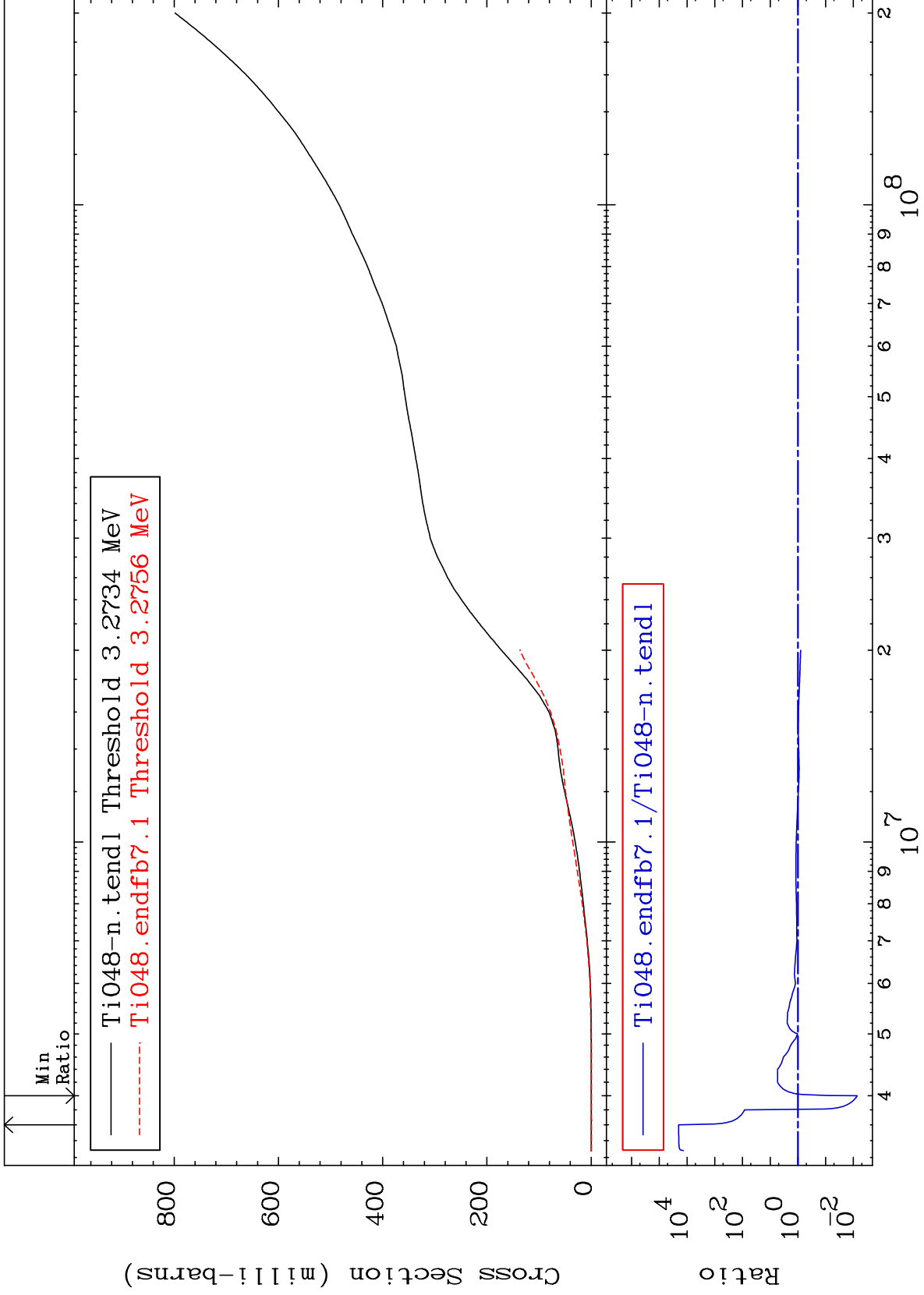
Incident Energy (eV)

<sup>22</sup>Ti-48

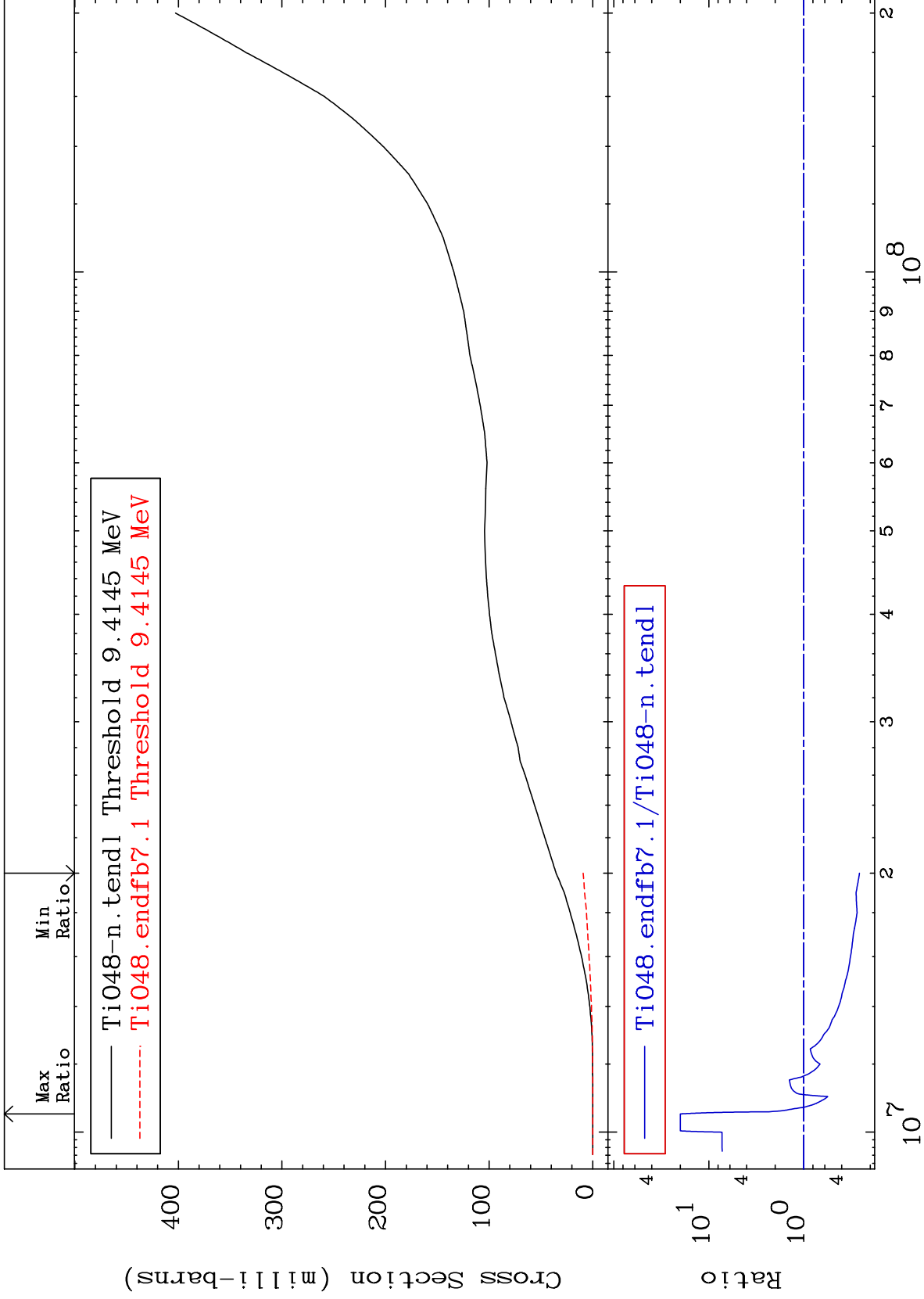
MAT 2231

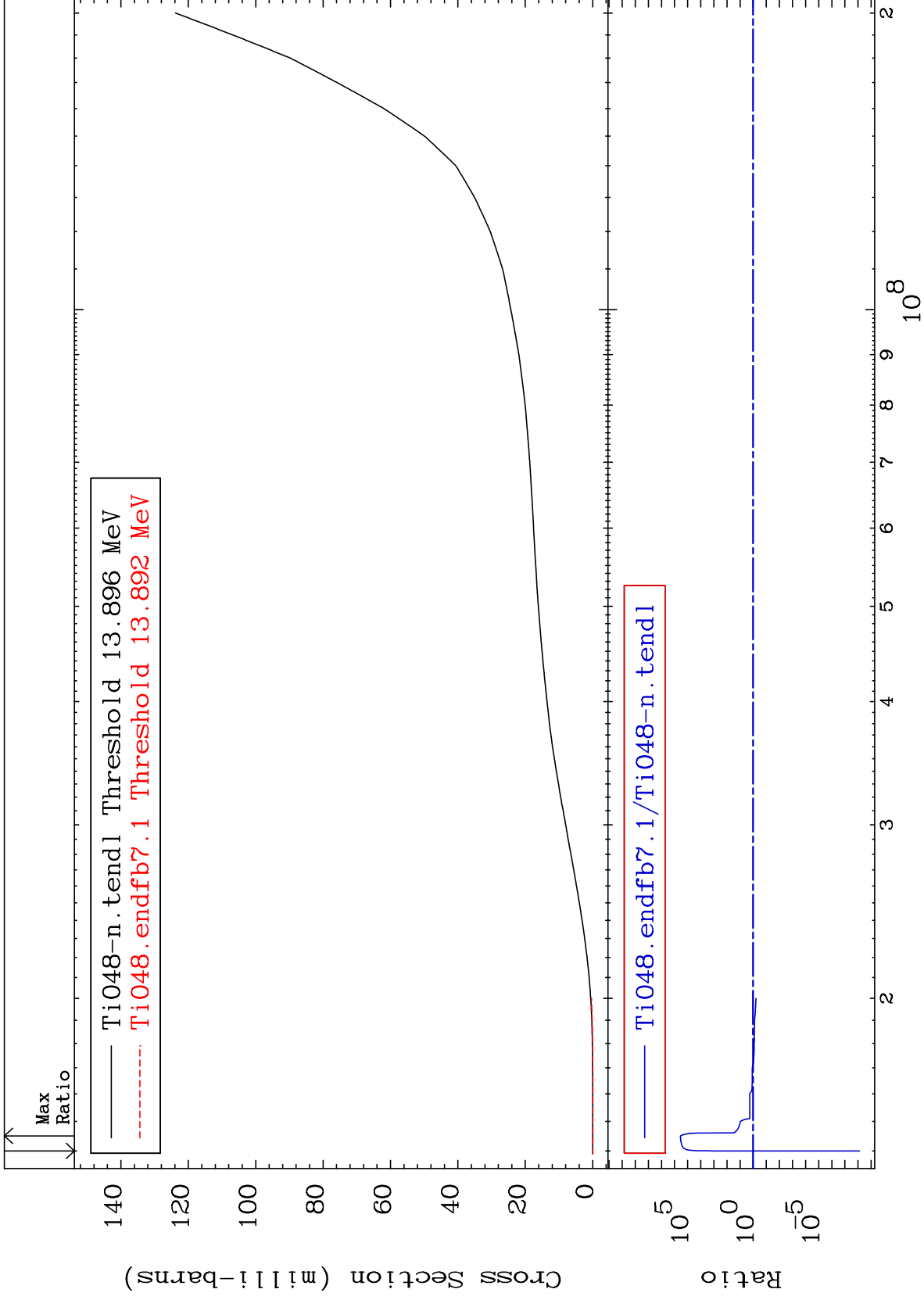
Hydrogen Production  
Cross Section

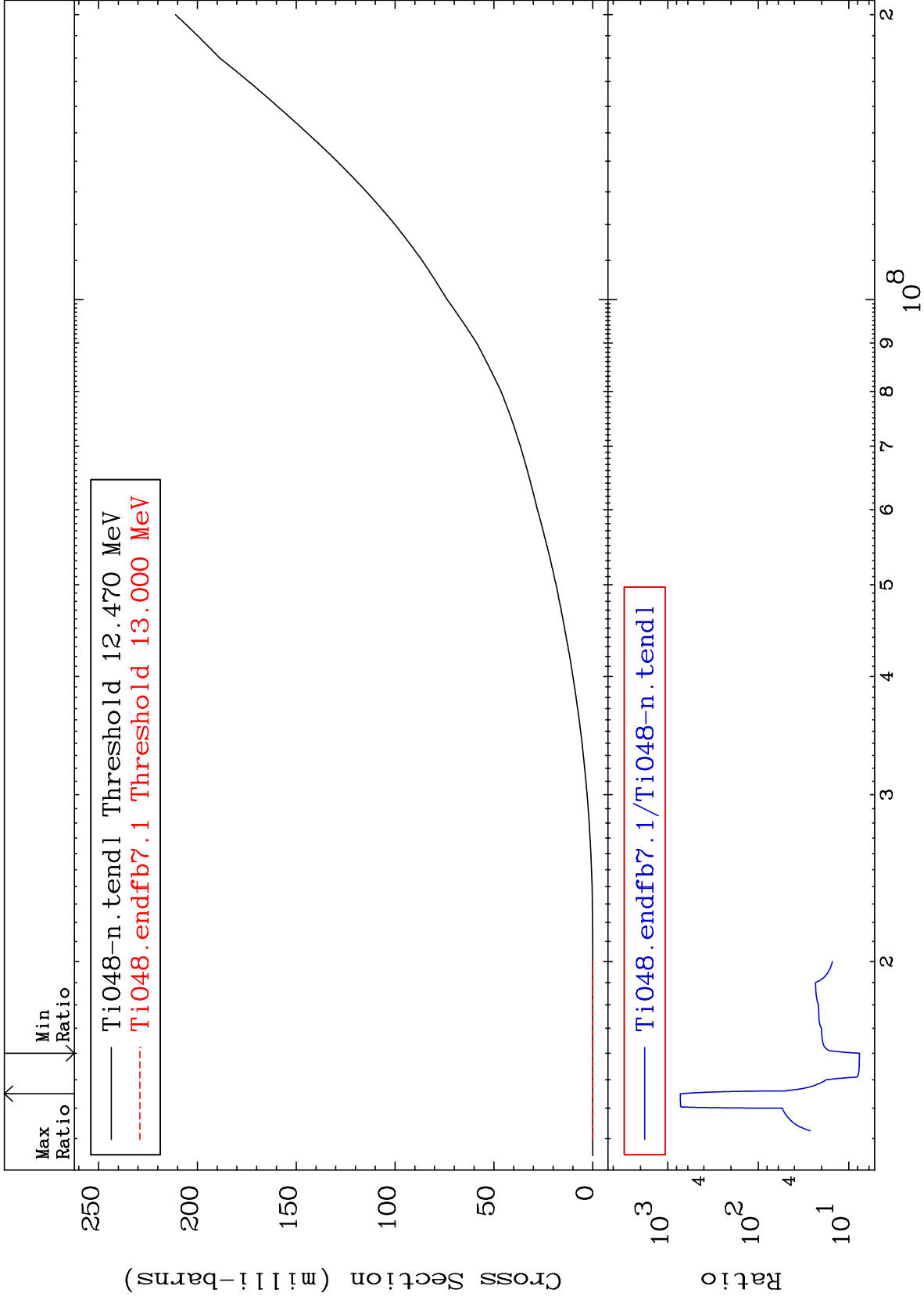
<sup>22</sup>Ti-48  
-99.28 To 9999. %







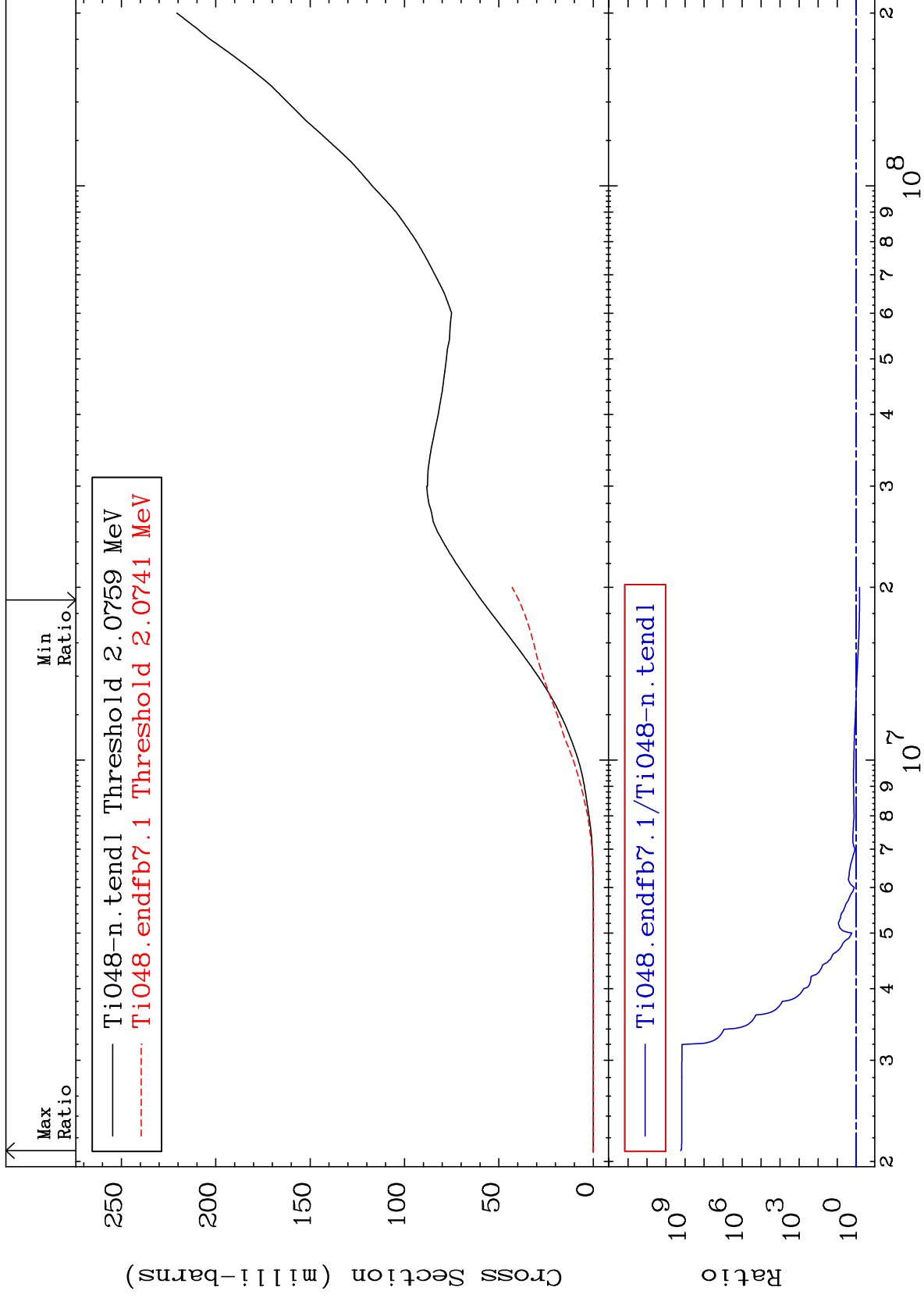




MAT 2231

He-4 Production  
Cross Section

$^{22}\text{Ti}-48$   
-33.46 To 9999. %



36

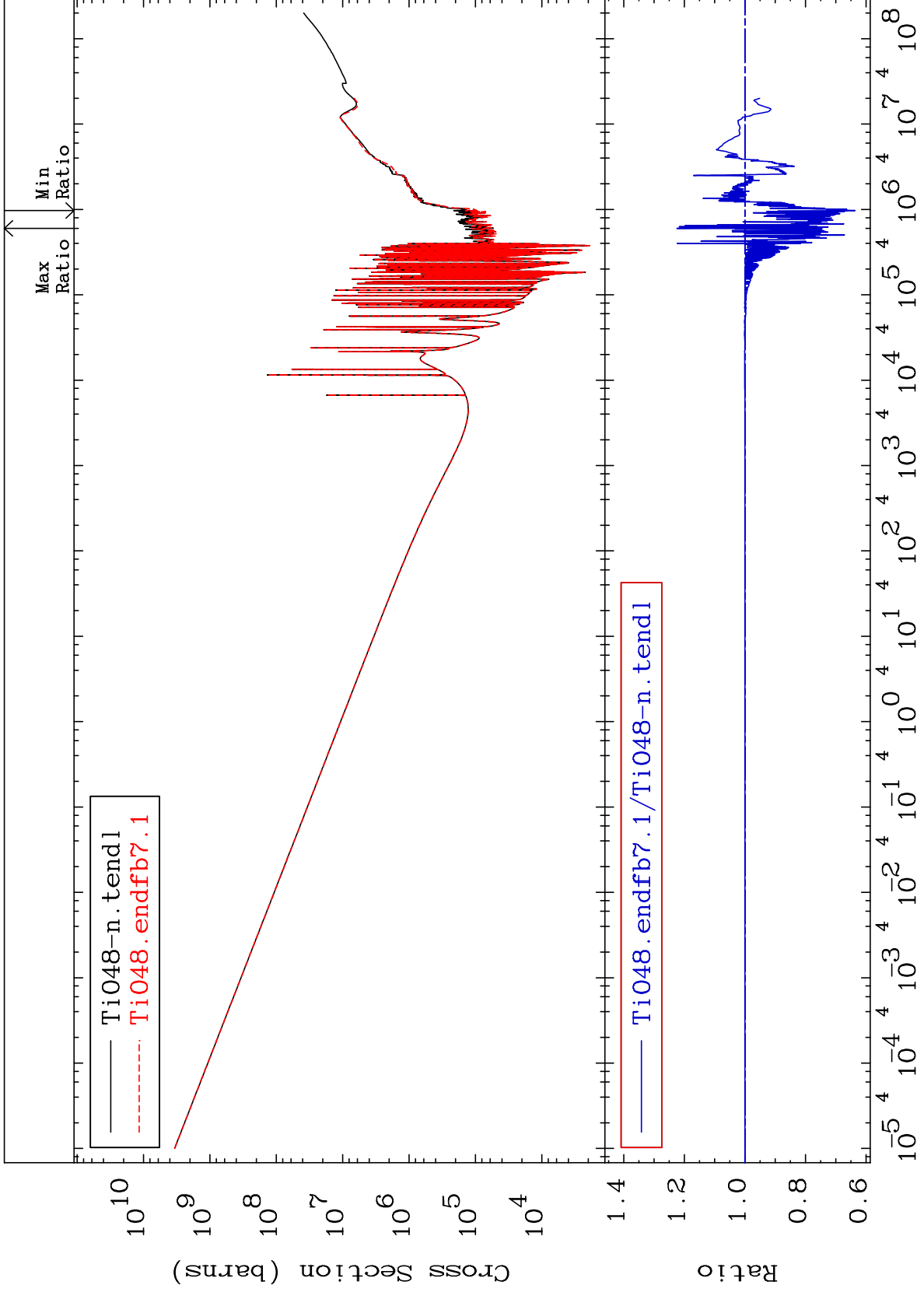
Incident Energy (eV)

$^{22}\text{Ti}-48$

MAT 2231

Kerma total (eV-barns)  
Cross Section

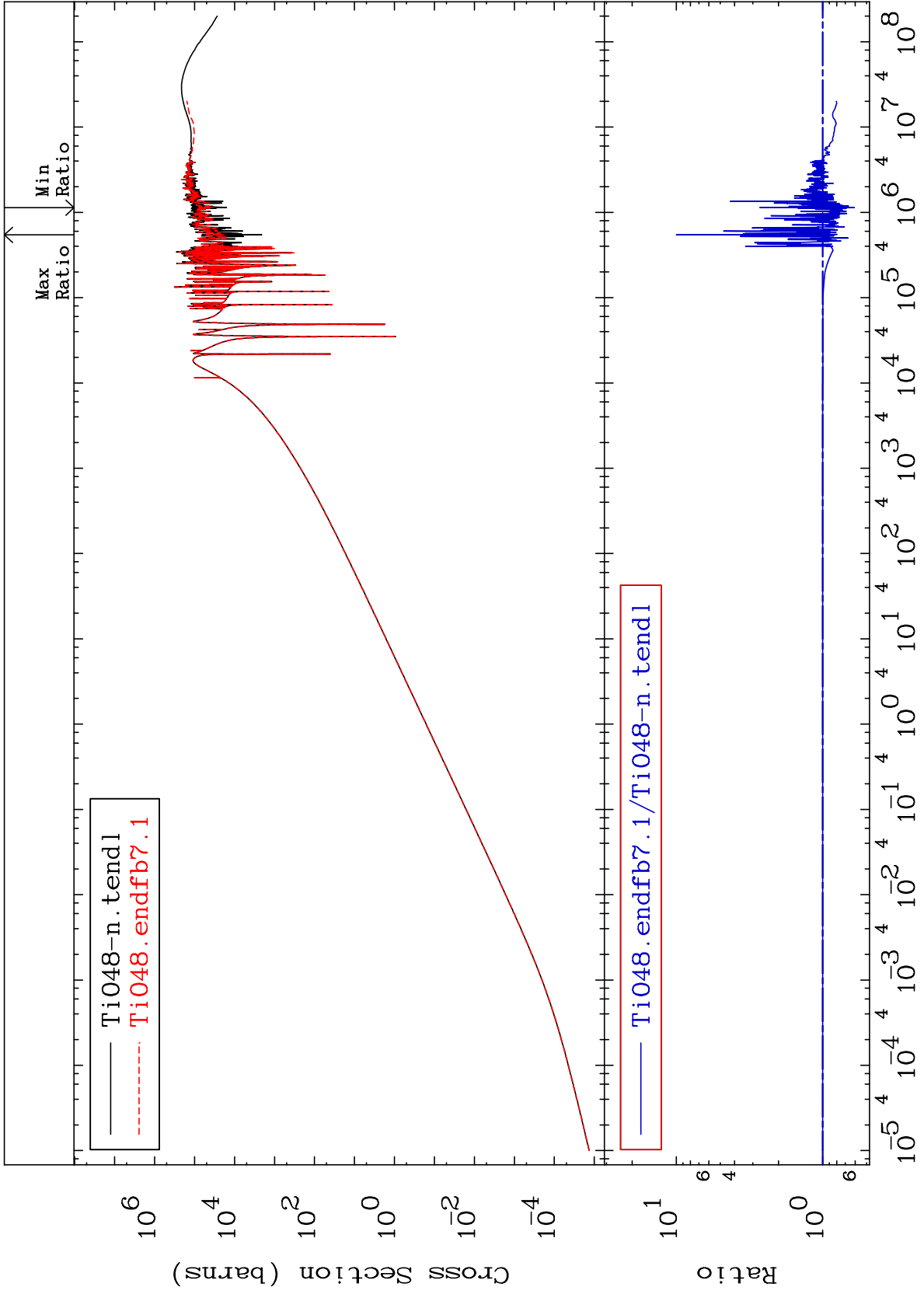
22-Ti-48  
-36.38 To 22.45 %



MAT 2231

Kerma elastic  
Cross Section

22-Ti-48  
-39.31 To 899.2 %



38

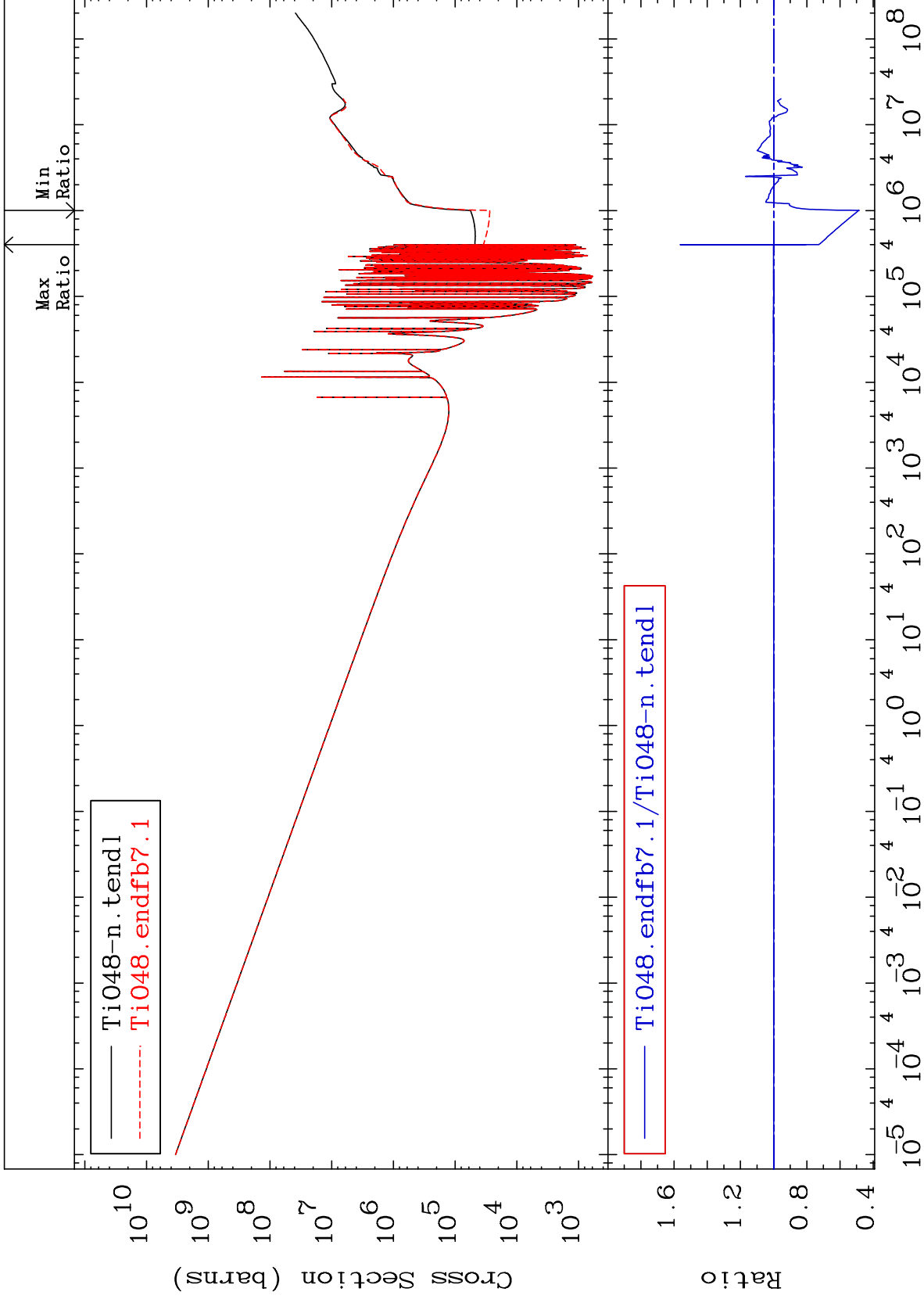
Incident Energy (eV)

22-Ti-48

MAT 2231

Kerma non-elastic (all but mt2)  
Cross Section

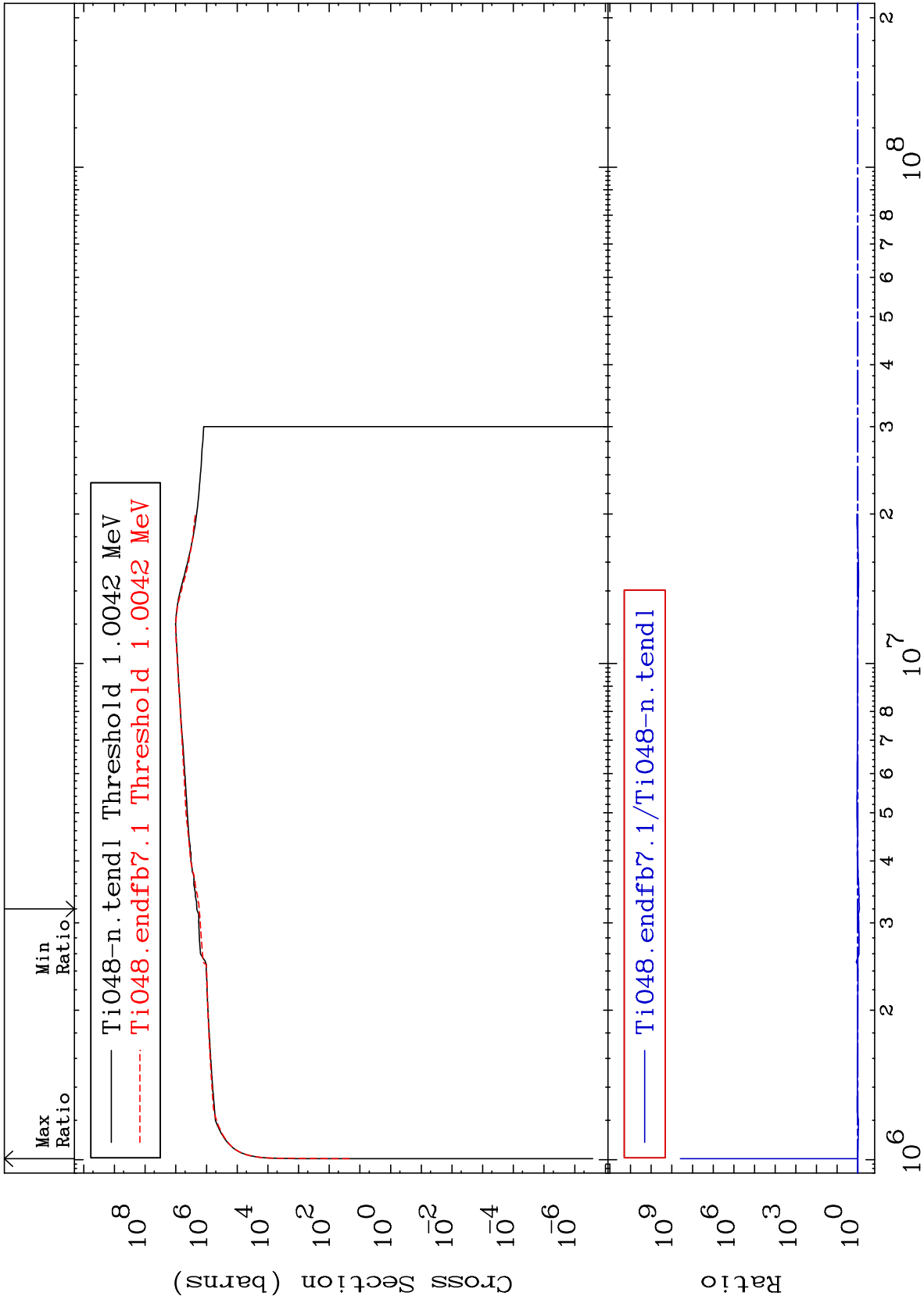
22-Ti-48  
-51.70 To 56.23 %



MAT 2231

Kerma inelastic (mt51-91)  
Cross Section

22-Ti-48  
-16.97 To 9999. %



22-Ti-48

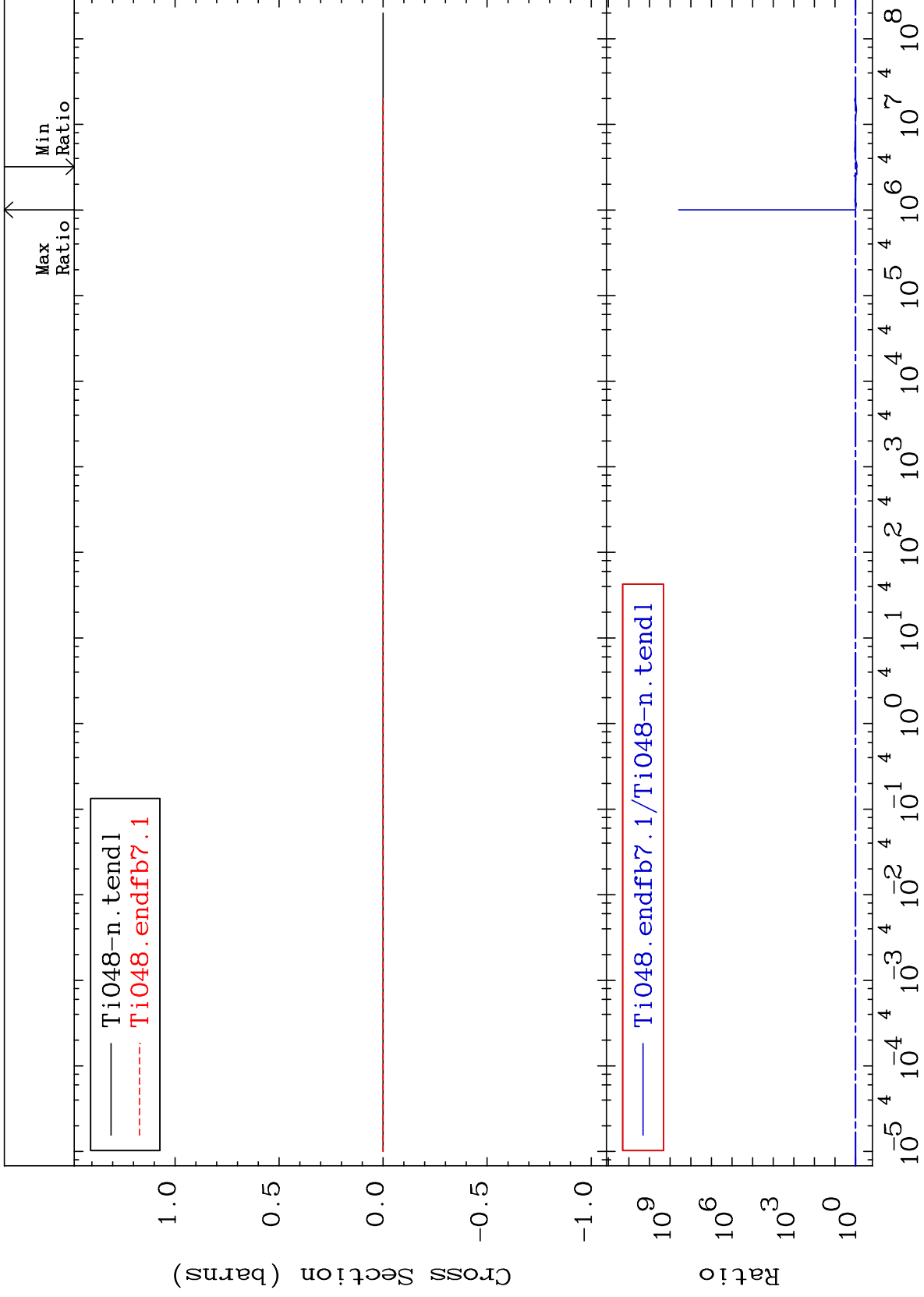
40



MAT 2231

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

22-Ti-48  
-16.97 To 9999. %



41

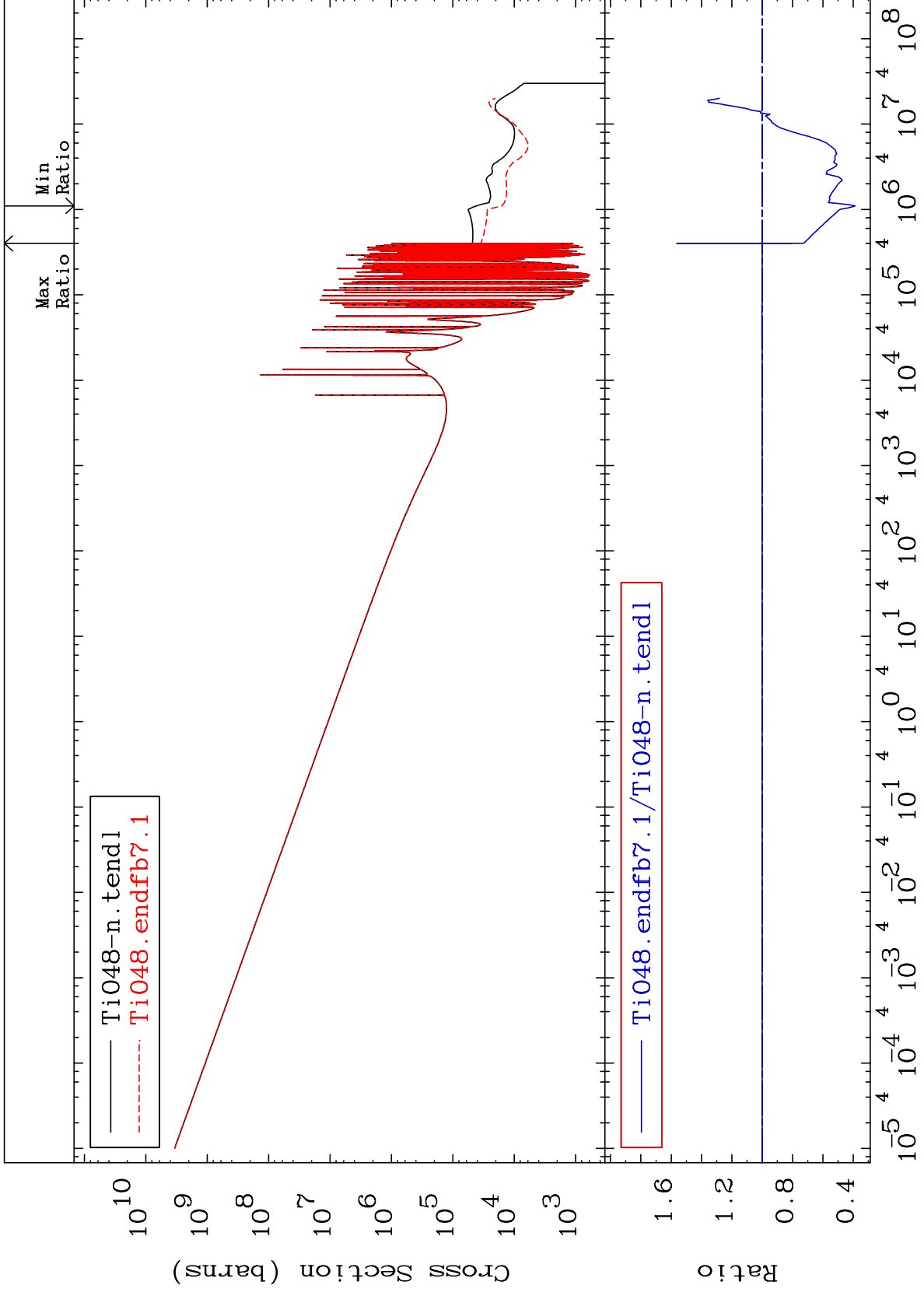
Incident Energy (eV)

22-Ti-48

MAT 2231

Kerma capture (mt102)  
Cross Section

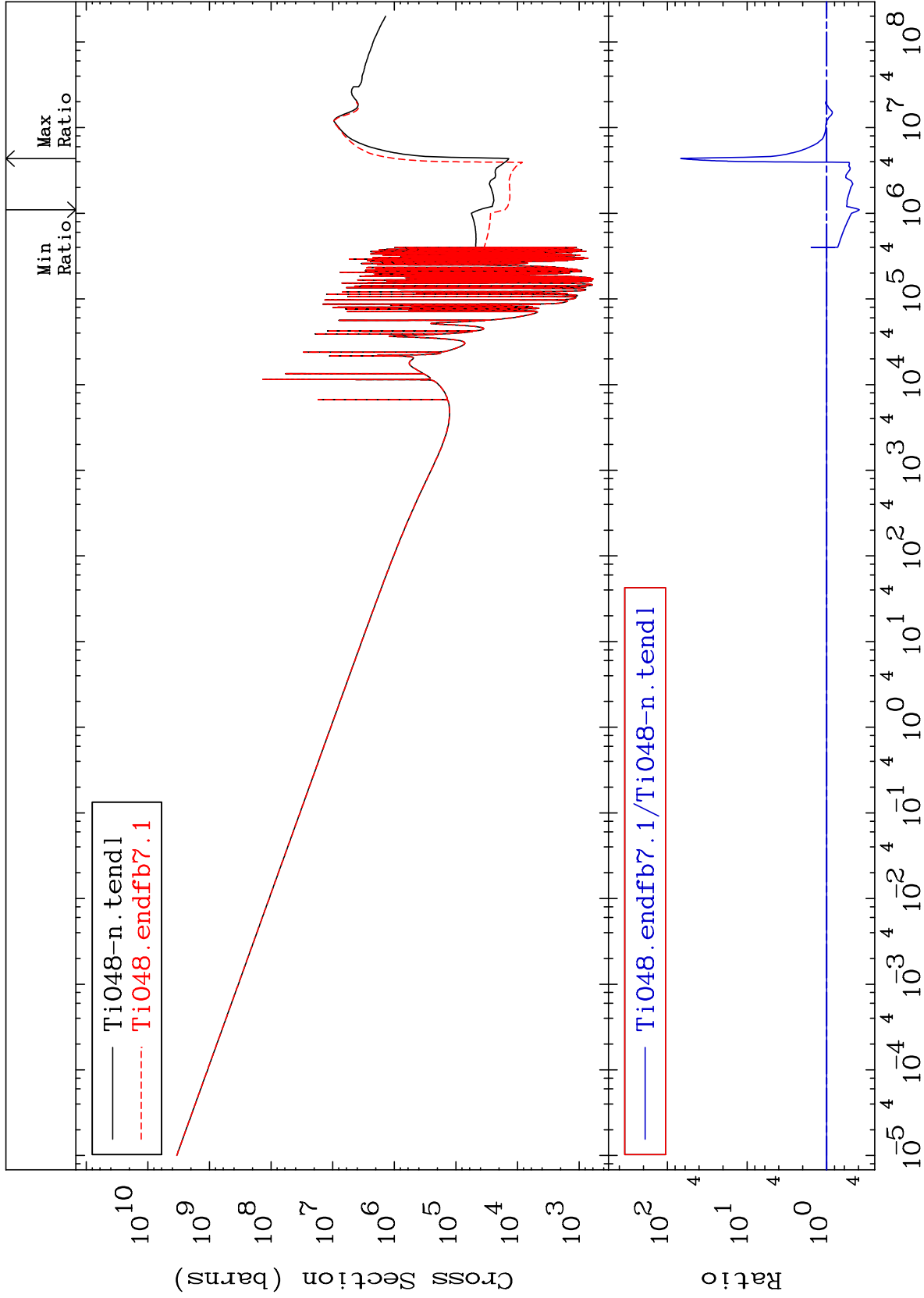
22-Ti-48  
-61.23 To 56.23 %



MAT 2231

Total photon (eV-barns)  
Cross Section

22-Ti-48  
-61.23 To 6688. %



43

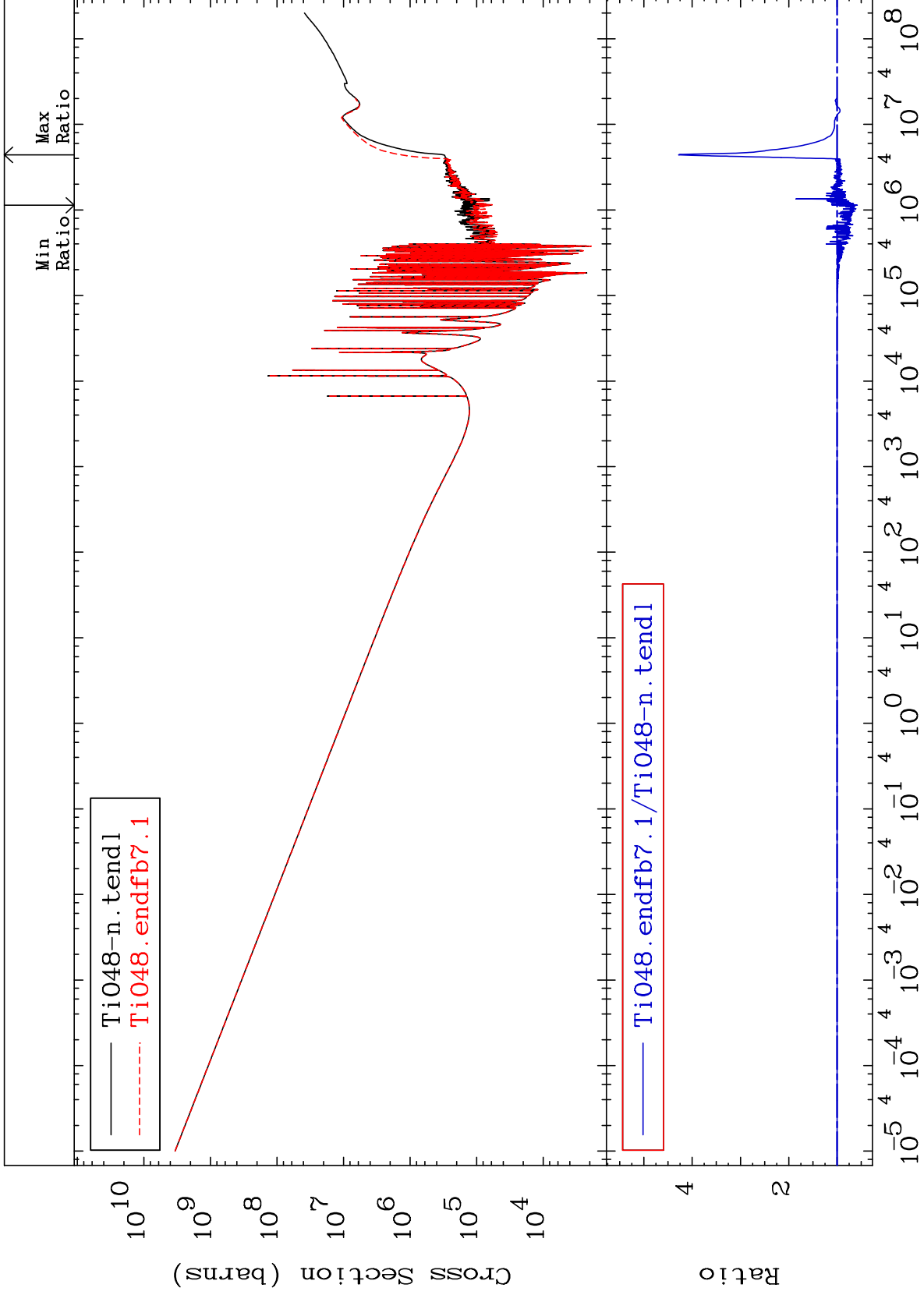
Incident Energy (eV)

22-Ti-48

MAT 2231

Total kinematic kerma (high limit)  
Cross Section

22-Ti-48  
-41.68 To 328.0 %



44

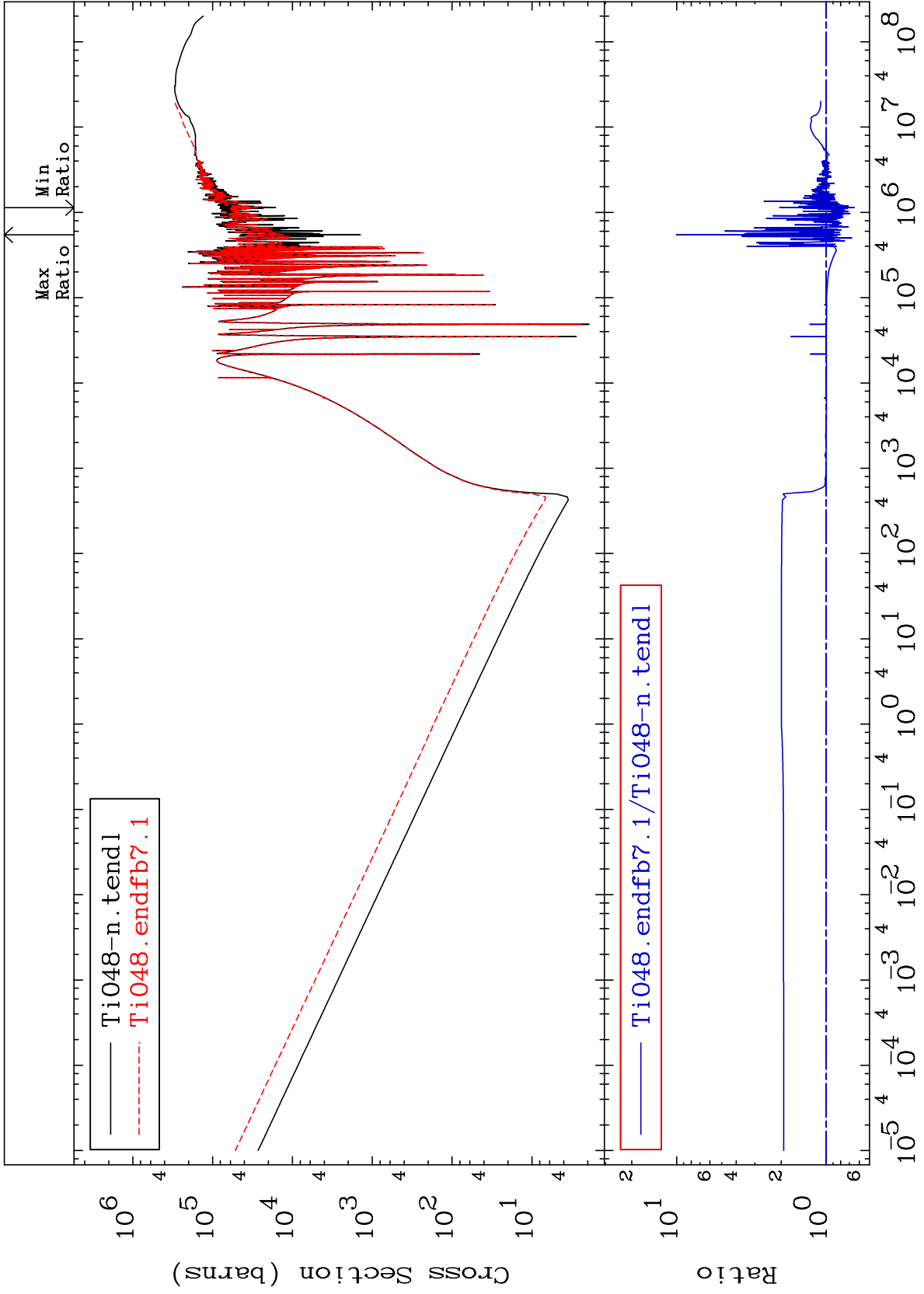
Incident Energy (eV)

22-Ti-48

MAT 2231

Dpa total (eV-barns)  
Cross Section

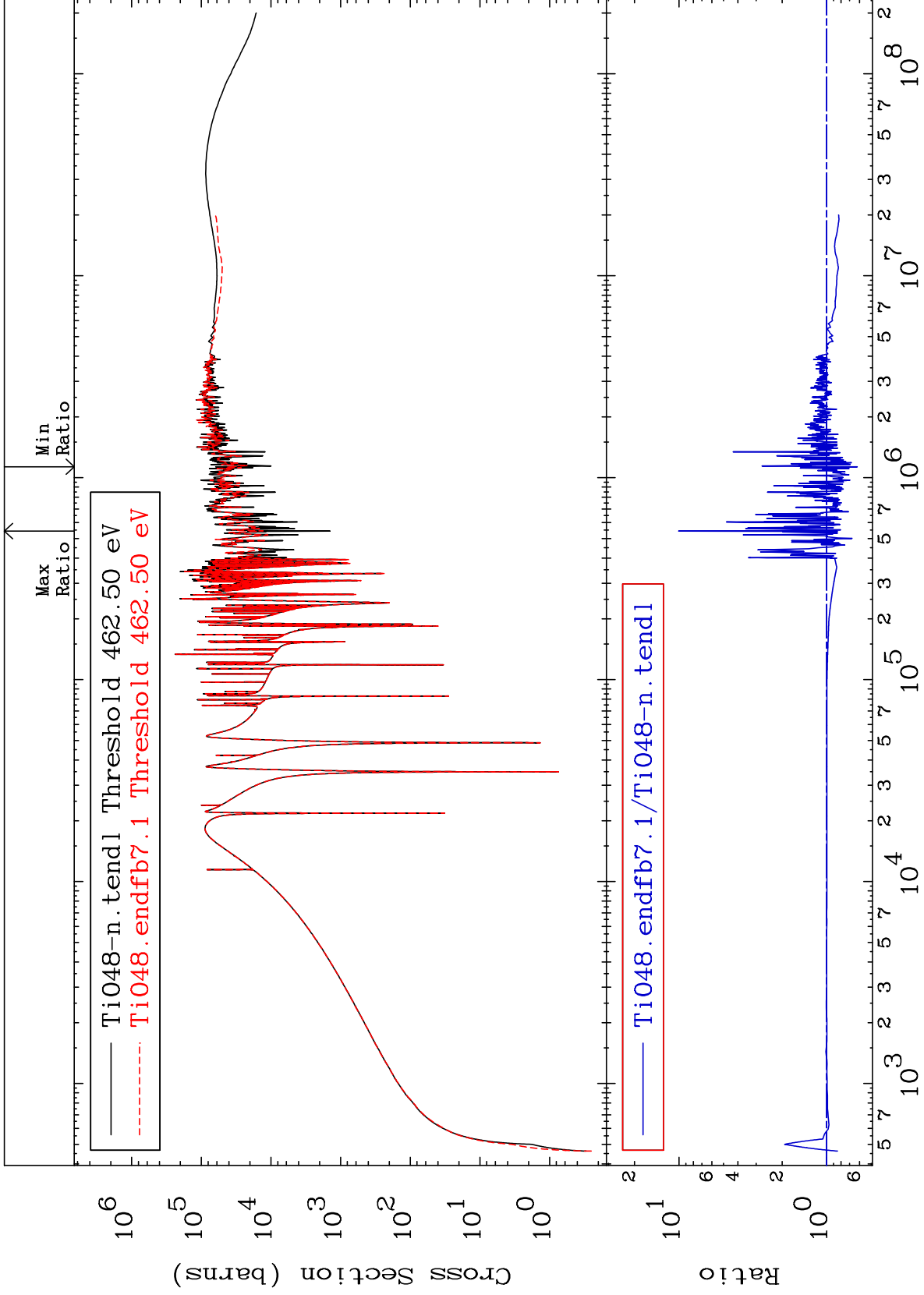
22-Ti-48  
-35.15 To 906.0 %



45

Incident Energy (eV)

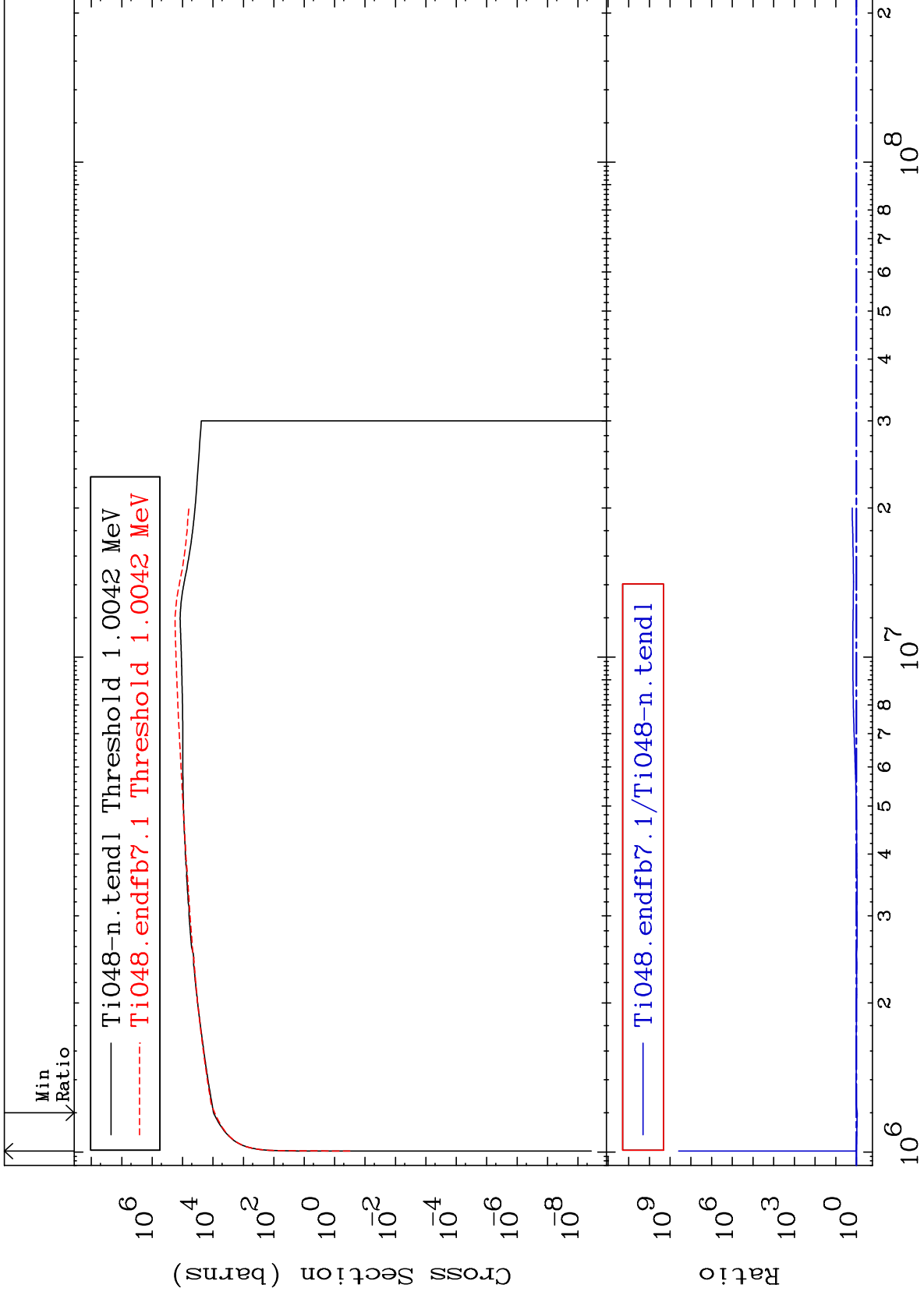
22-Ti-48



MAT 2231

Dpa inelastic (mt51-91)  
Cross Section

22-Ti-48  
-8.281 To 9999. %



47

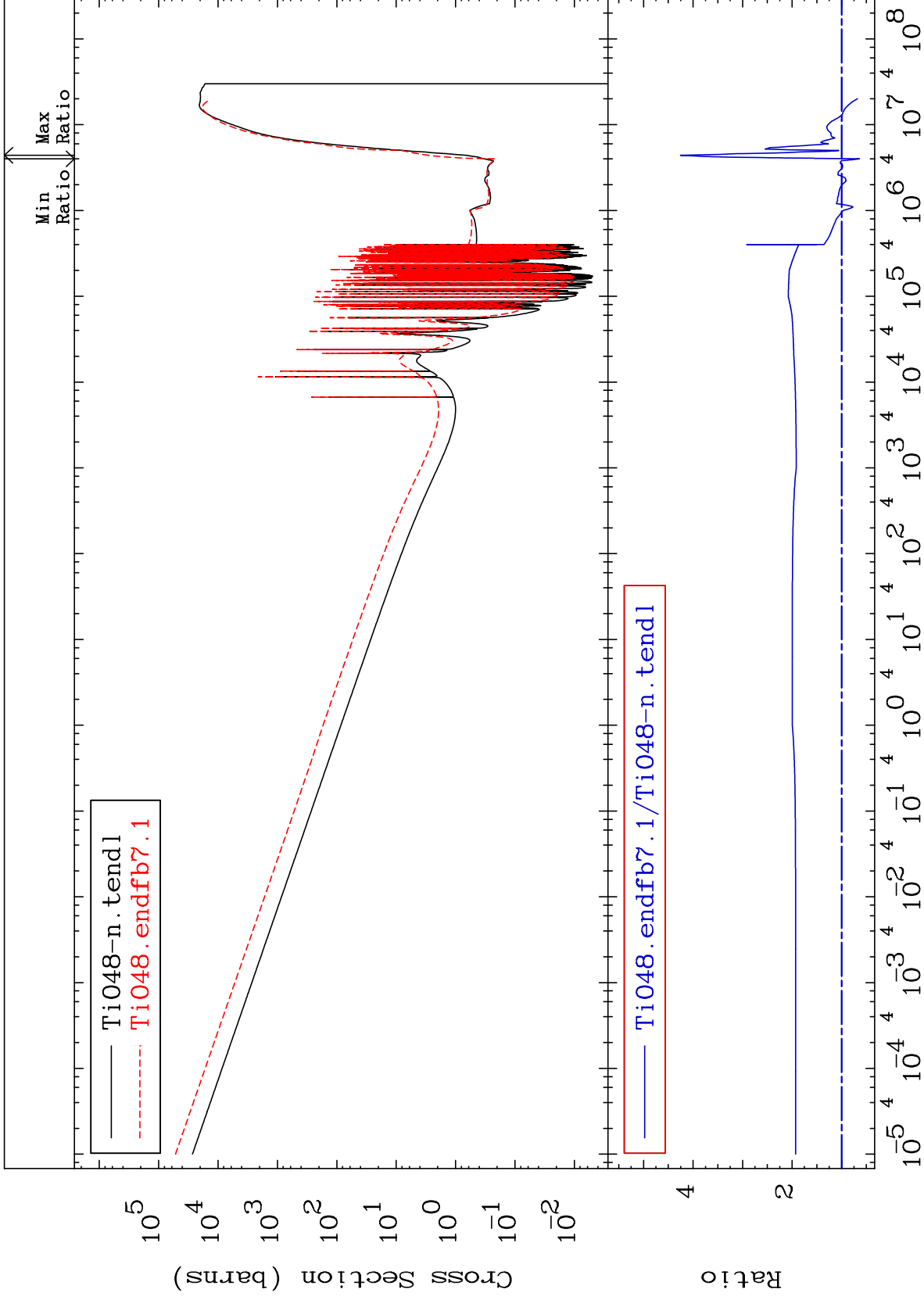
Incident Energy (eV)

22-Ti-48

MAT 2231

Dpa disappearance (mt102 -120)  
Cross Section

22-Ti-48  
-36.01 To 325.7 %



48

Incident Energy (eV)

22-Ti-48