

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

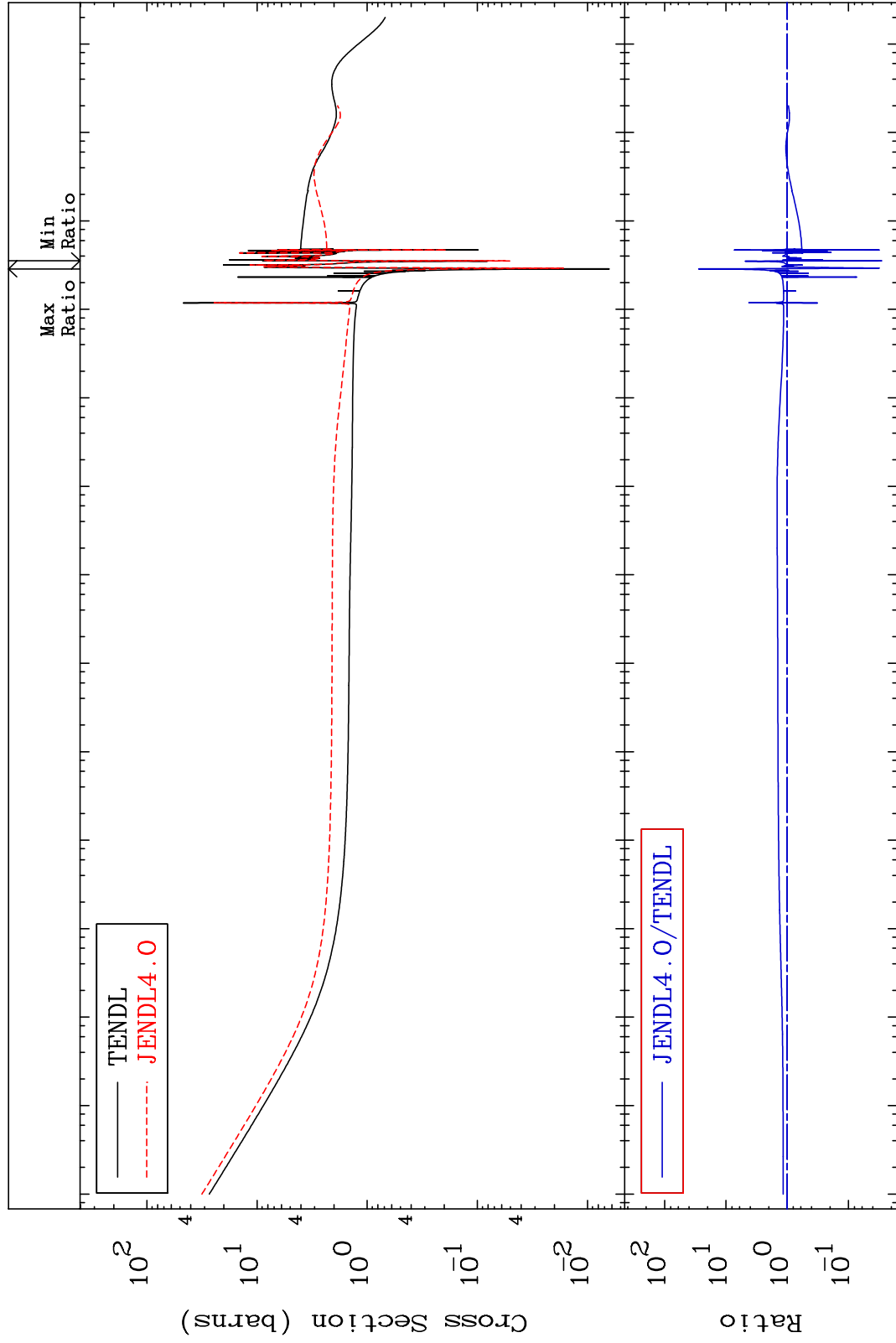
MAT 1631

Total

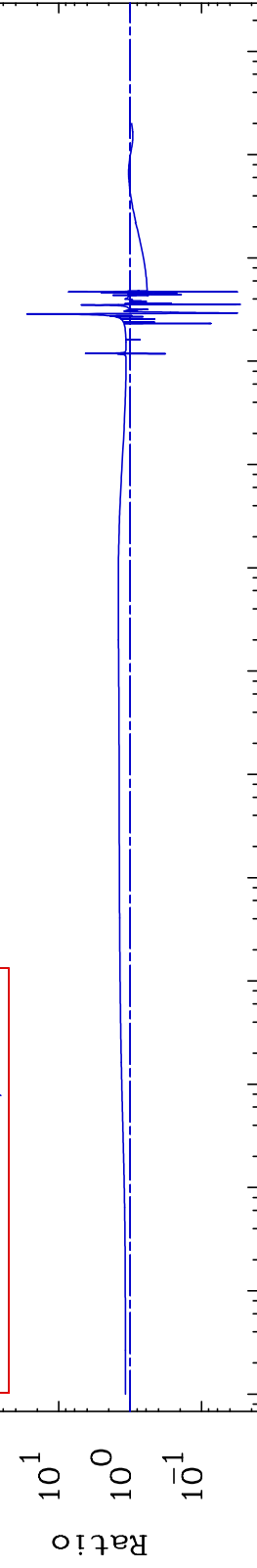
16-S -34

Cross Section

-97.11 To 2682. %



JENDL4.0/TENDL



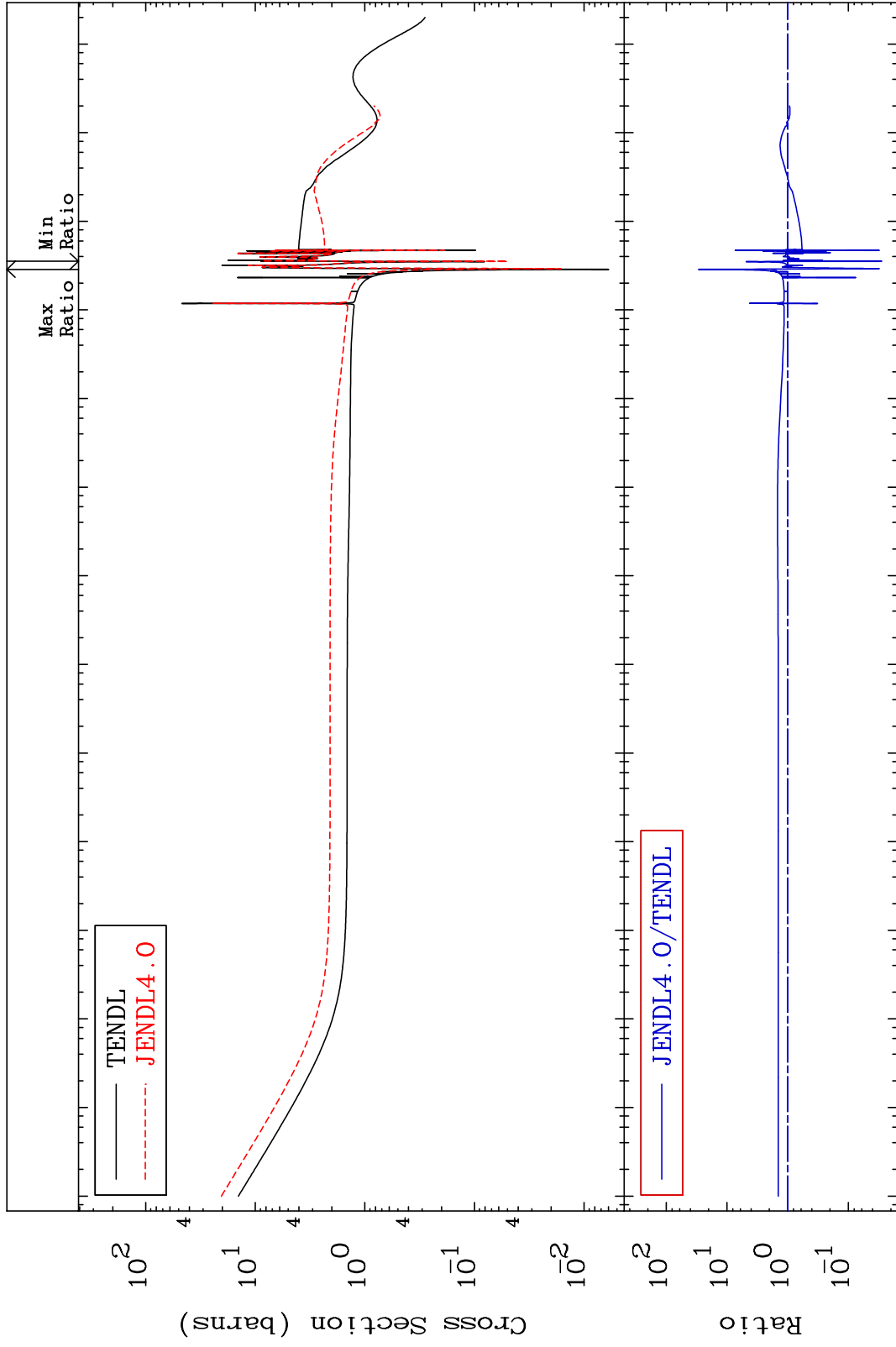
Incident Energy (eV)

16-S -34

MAT 1631

Elastic  
Cross Section

16-S -34  
-97.16 To 2857. %



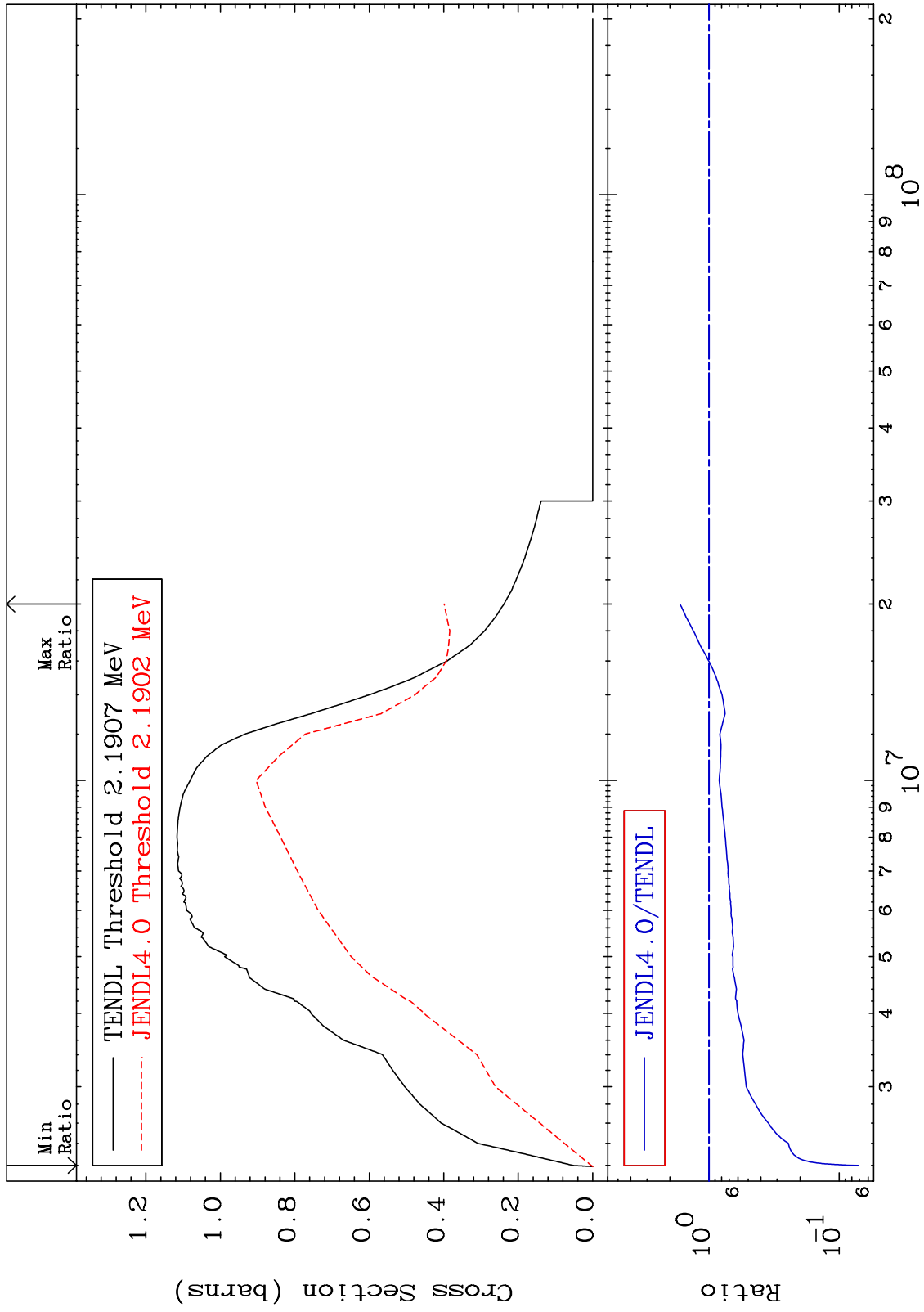
Incident Energy (eV)

16-S -34

MAT 1631

Inelastic  
Cross Section

16-S -34  
-92.88 To 67.18 %



3

Incident Energy (eV)

16-S -34

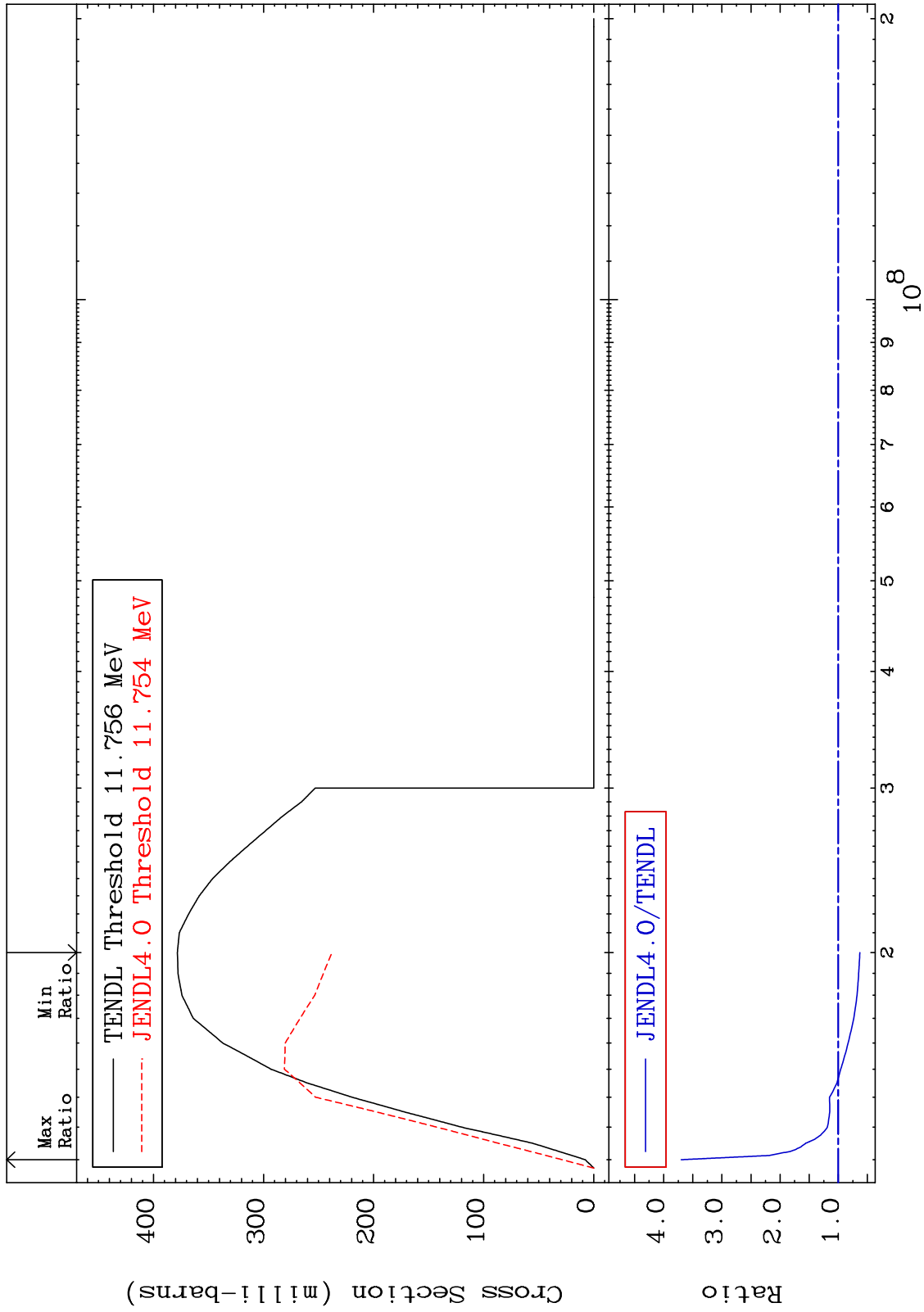
MAT 1631

(n,2n)

16-S -34

Cross Section

-37.14 To 269.8 %



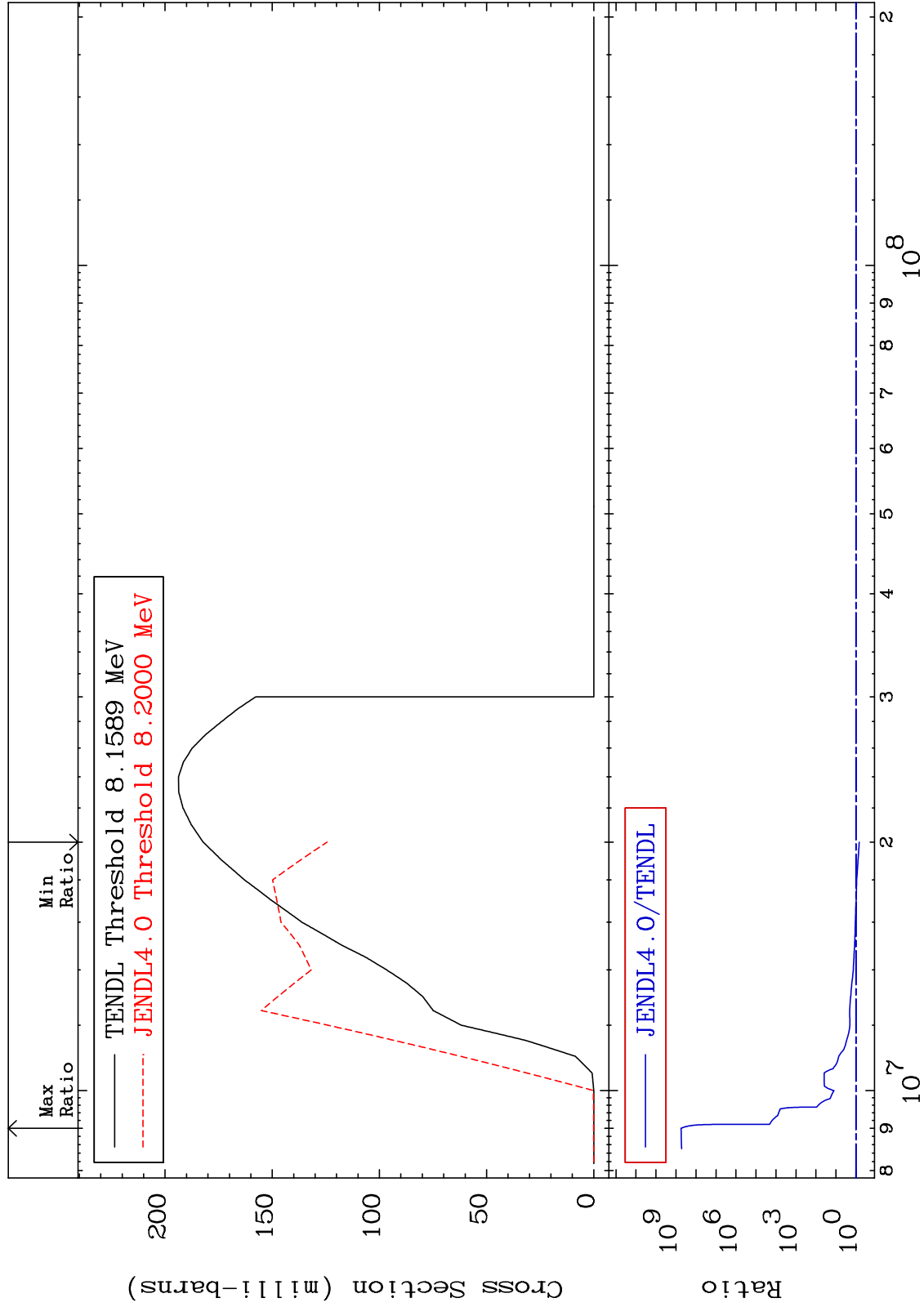
MAT 1631

(n,n')  $\alpha$

16-S -34

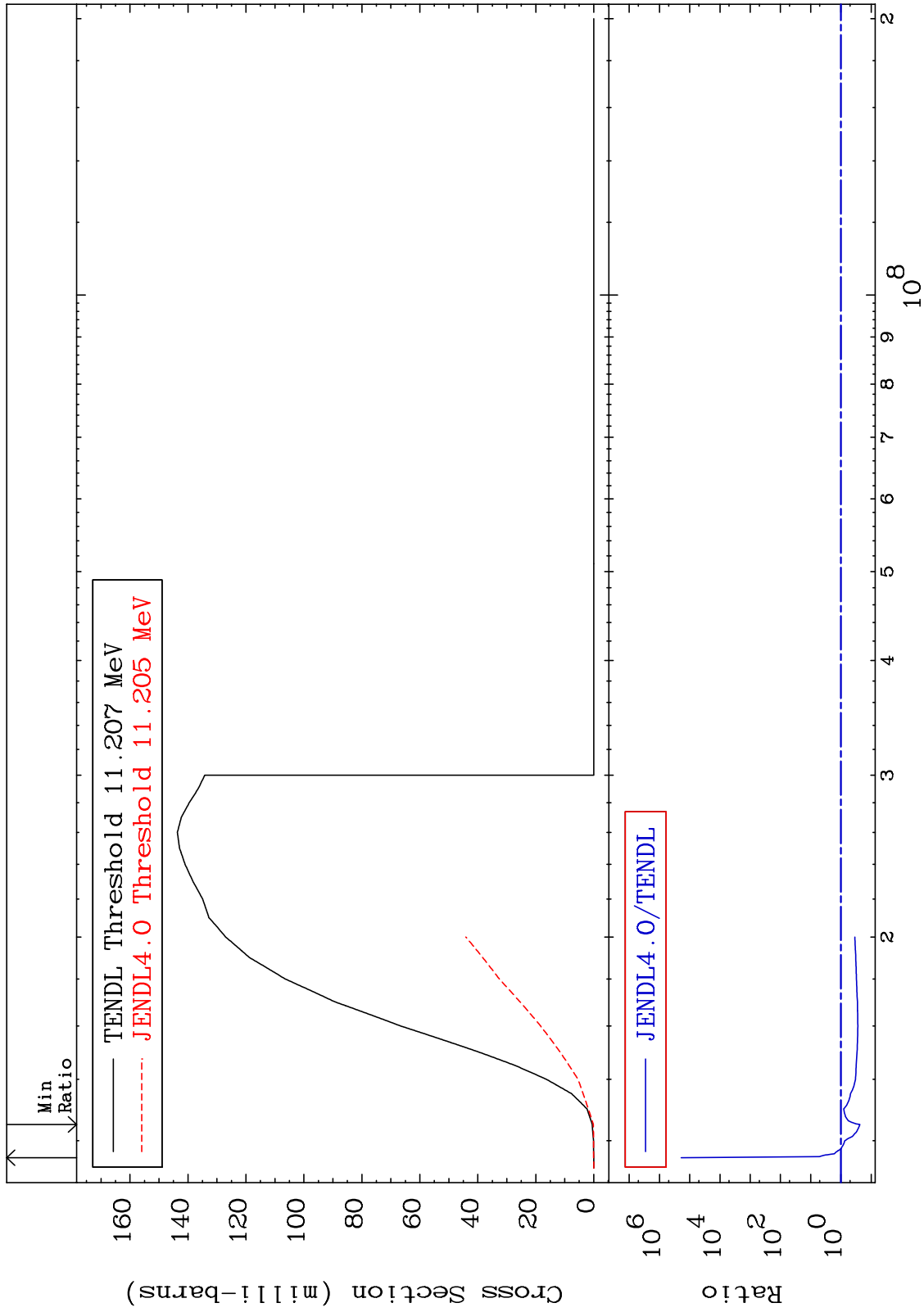
Cross Section

-31.72 To 9999. %



16-S -34

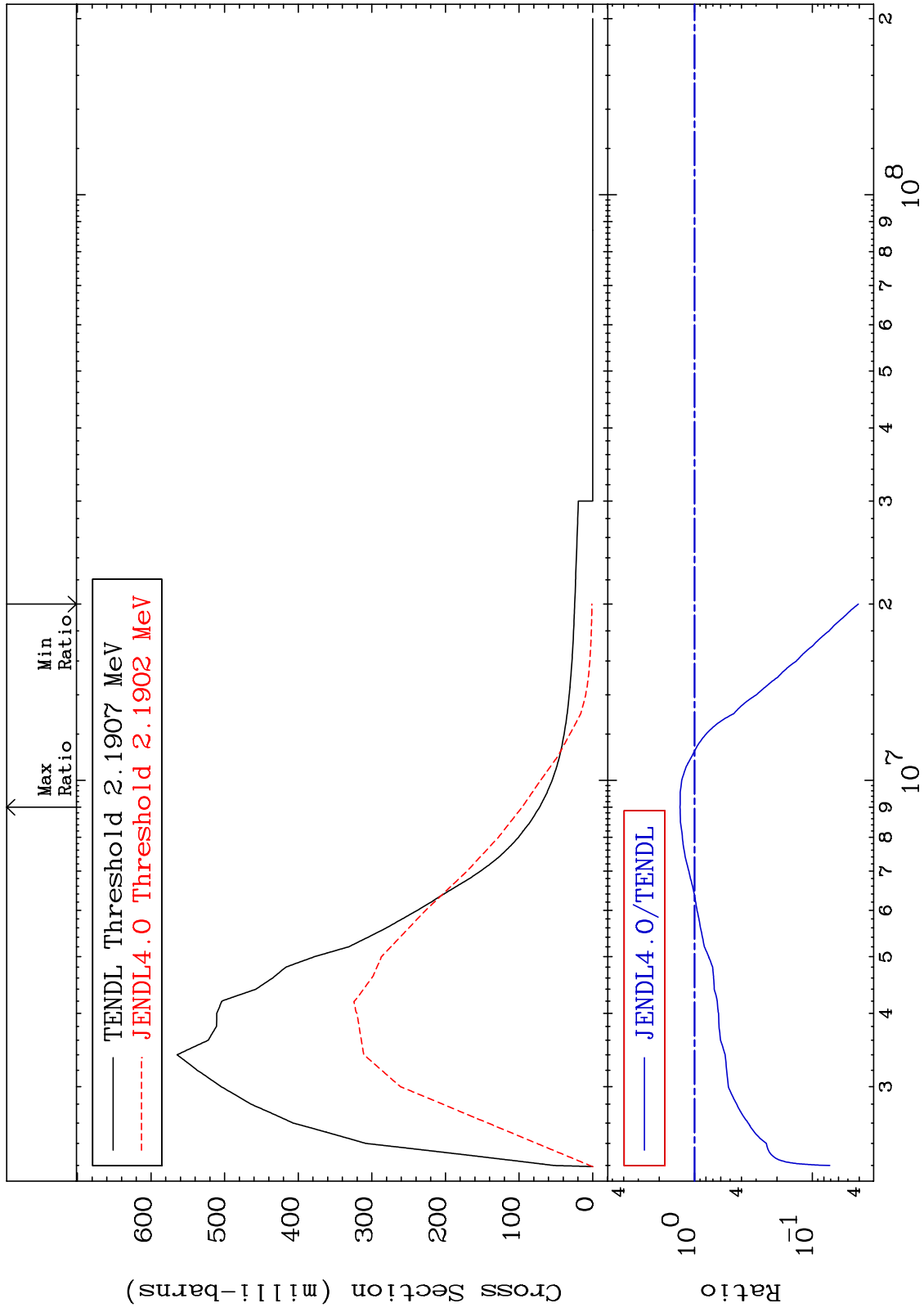
16-S -34



MAT 1631

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

16-S -34  
-95.93 To 32.94 %

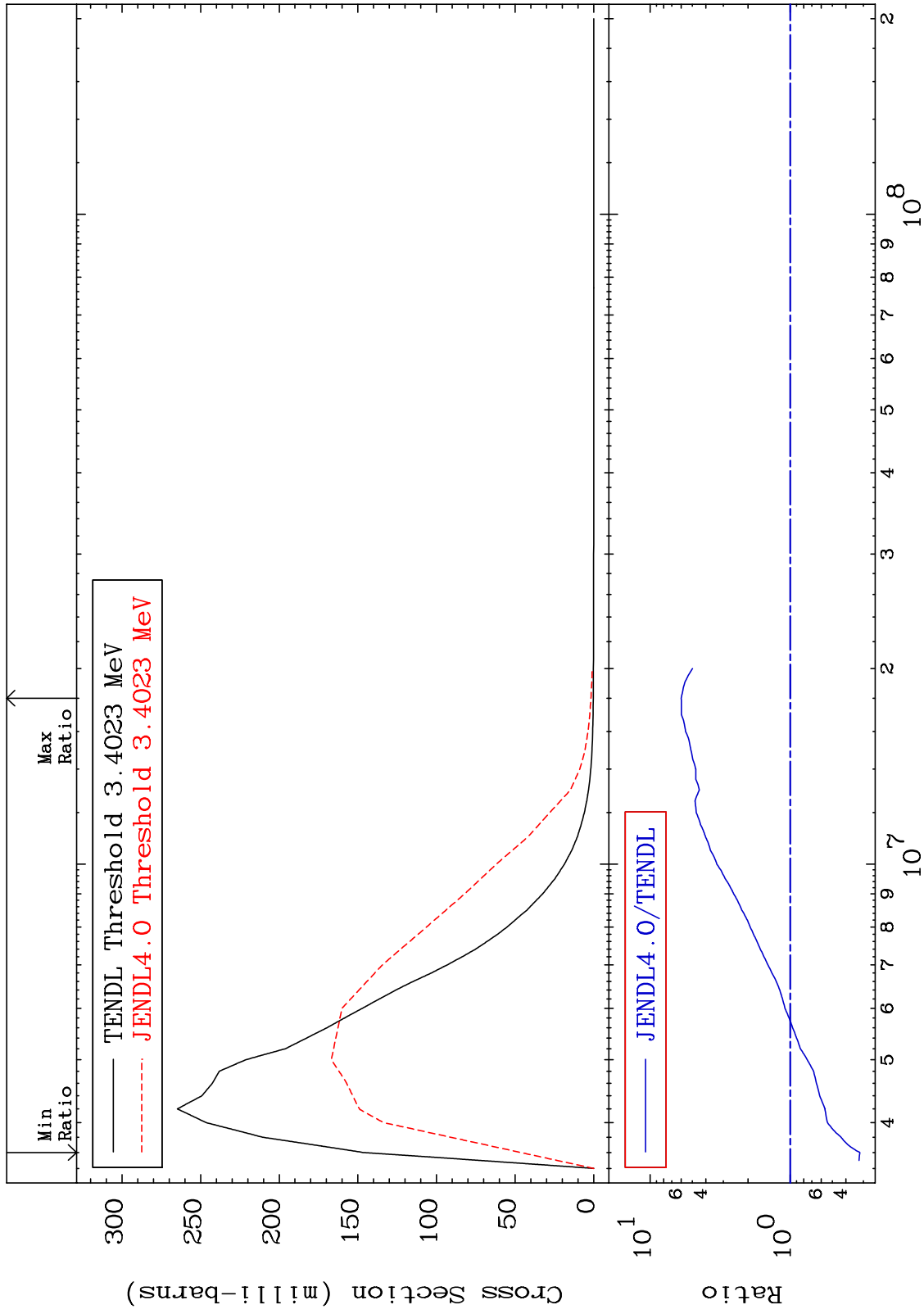




MAT 1631

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

16-S -34  
-68.28 To 499.4 %



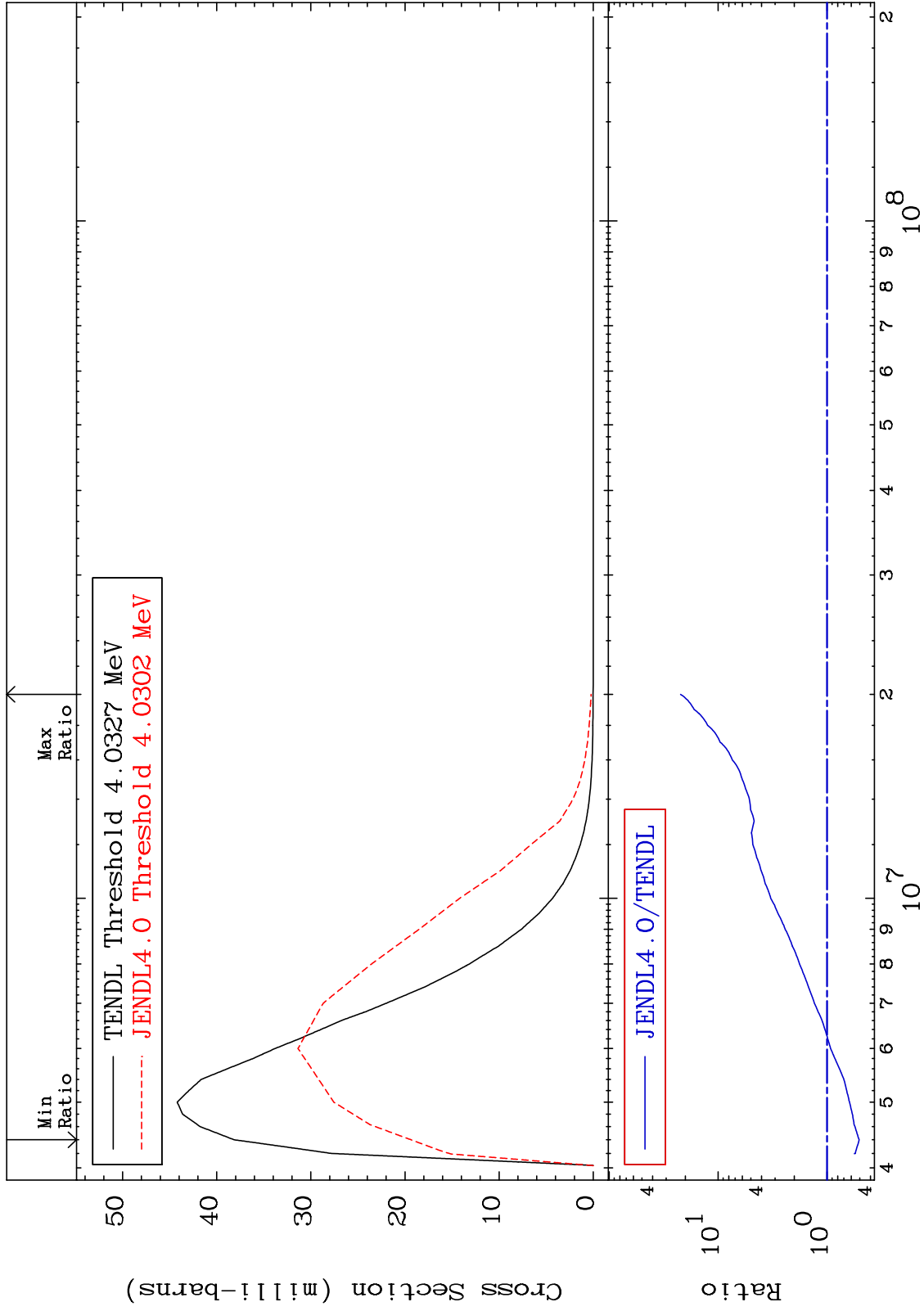
8

16-S -34

MAT 1631

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

16-S -34  
-49.26 To 2111. %



9

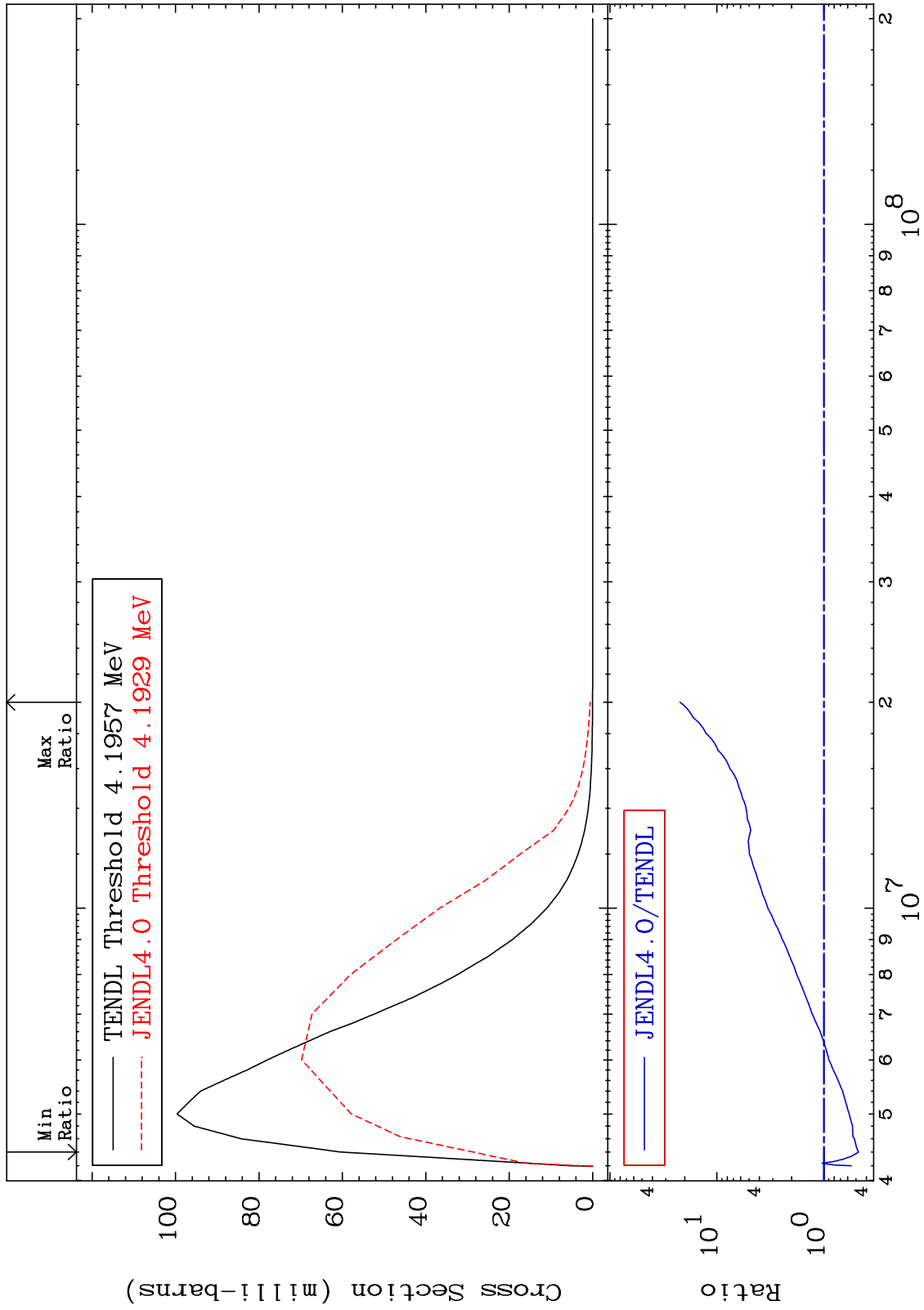
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-52.46 To 2110. %



10

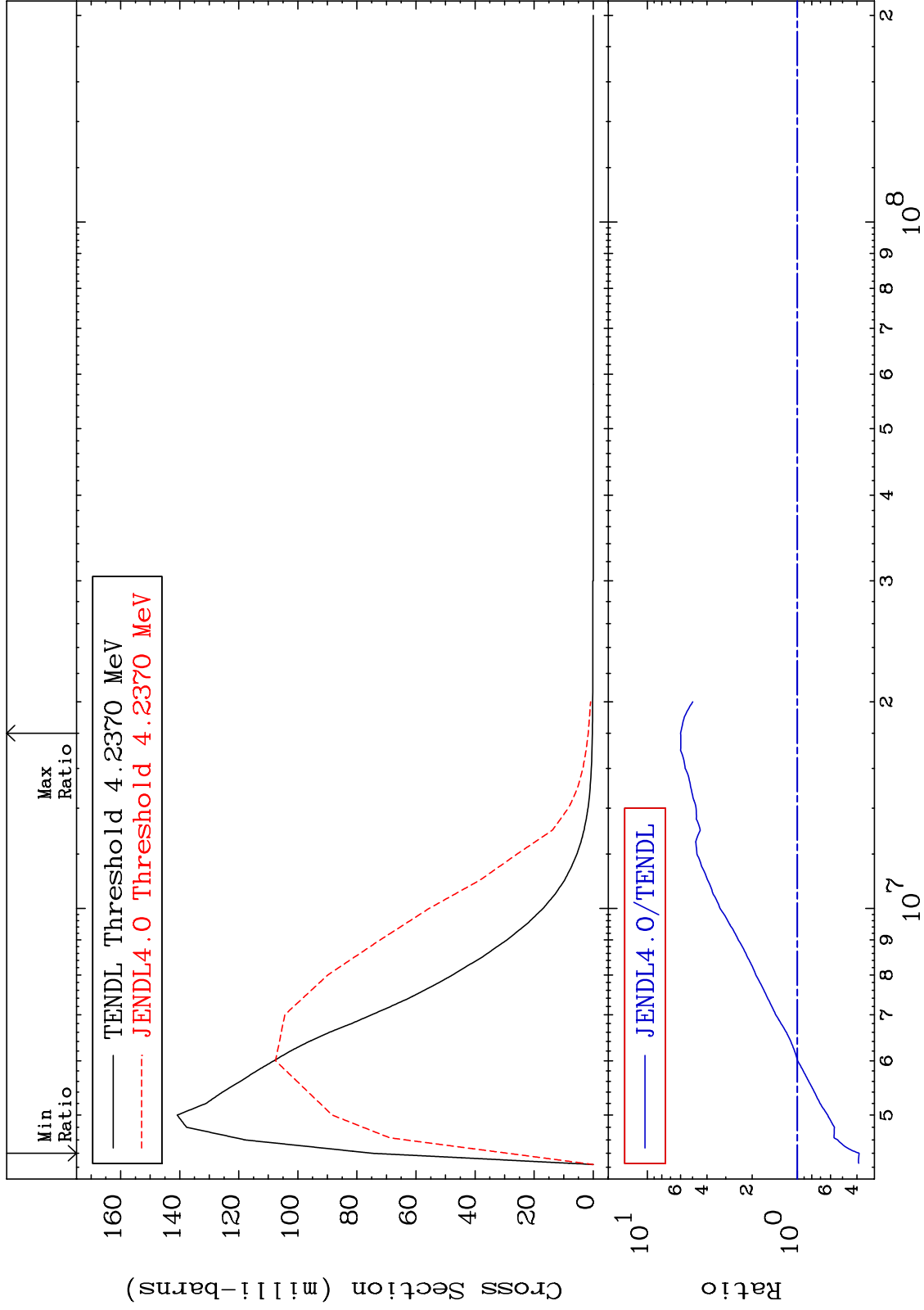
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-61.32 To 499.6 %



11

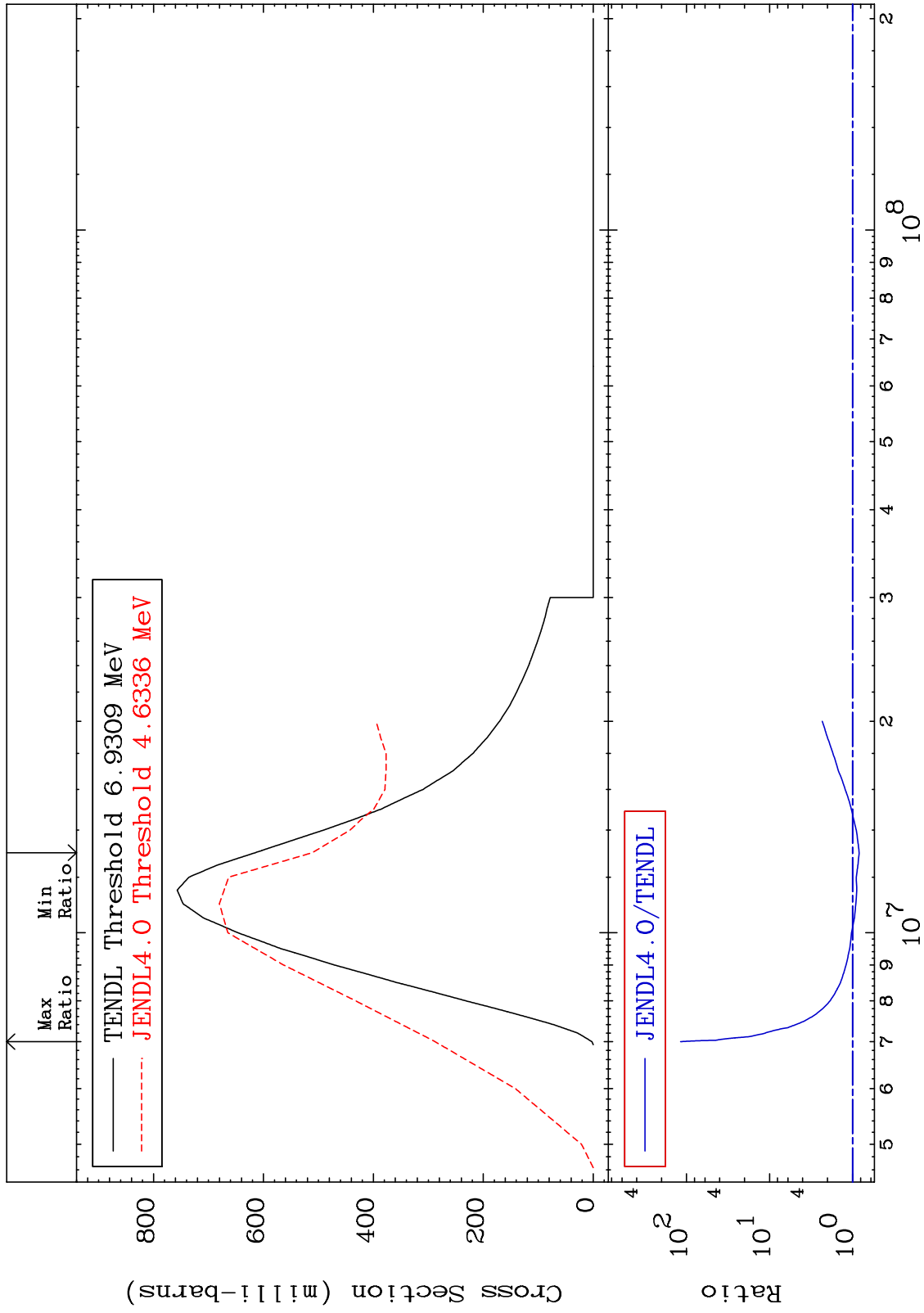
Incident Energy (eV)

16-S -34

MAT 1631

(n,n') Continuum  
Cross Section

16-S -34  
-16.87 To 9999. %



12

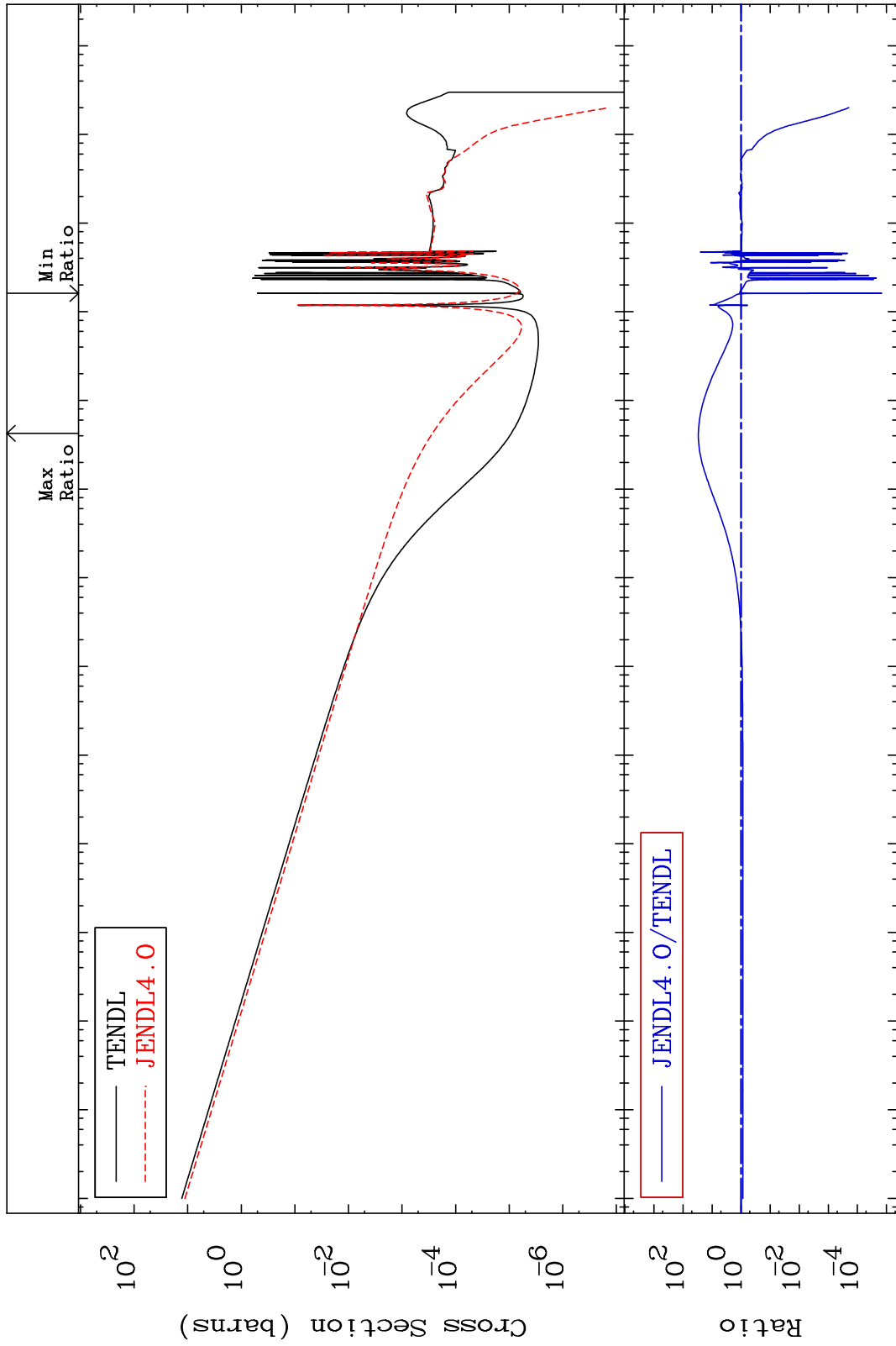
Incident Energy (eV)

16-S -34

MAT 1631

(n,  $\gamma$ )  
Cross Section

16-S -34  
-100.0 To 2869. %



Incident Energy (eV)

16-S -34

13

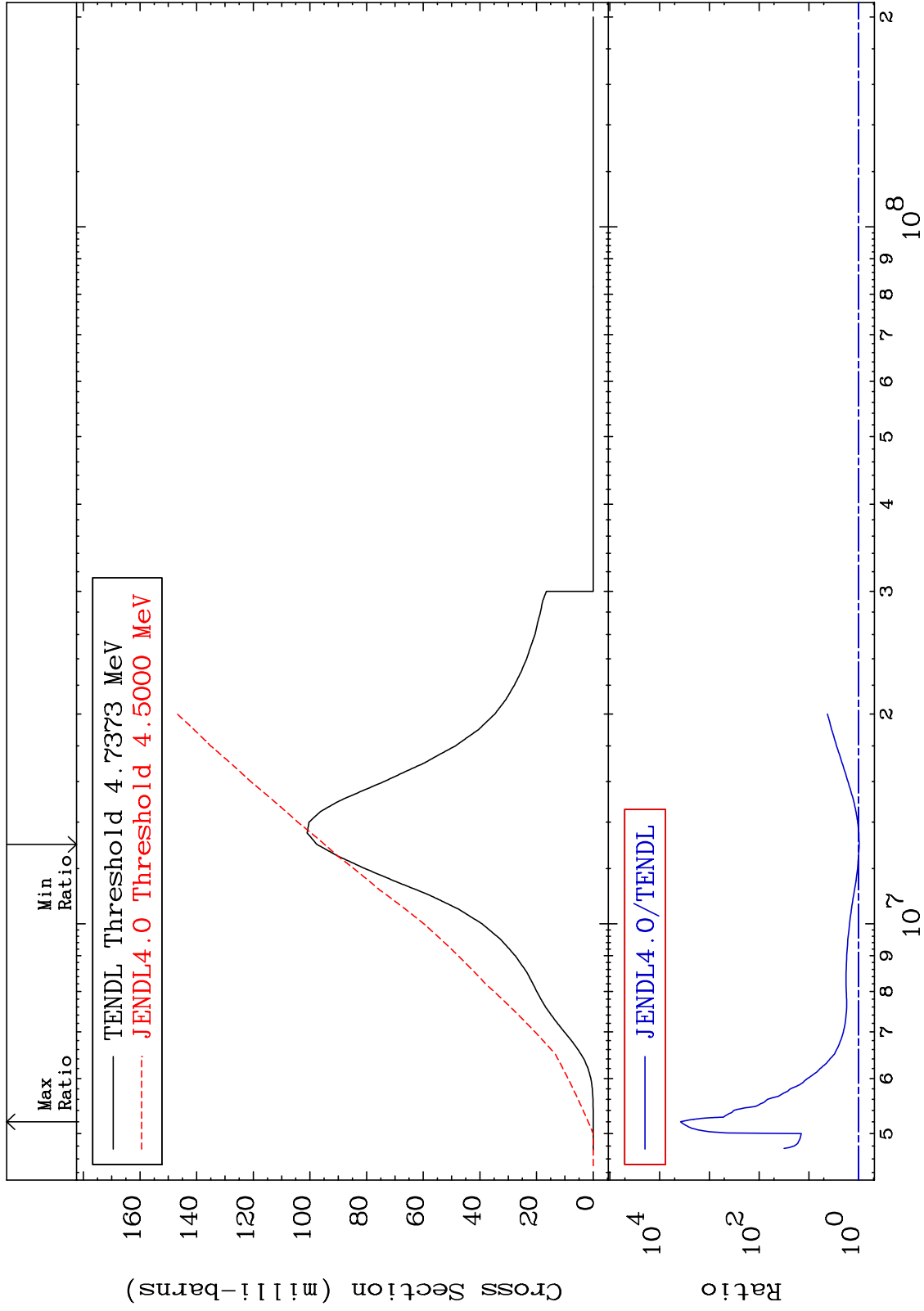
MAT 1631

(n,p)

16-S -34

Cross Section

-2.805 To 9999. %



14

Incident Energy (eV)

16-S -34

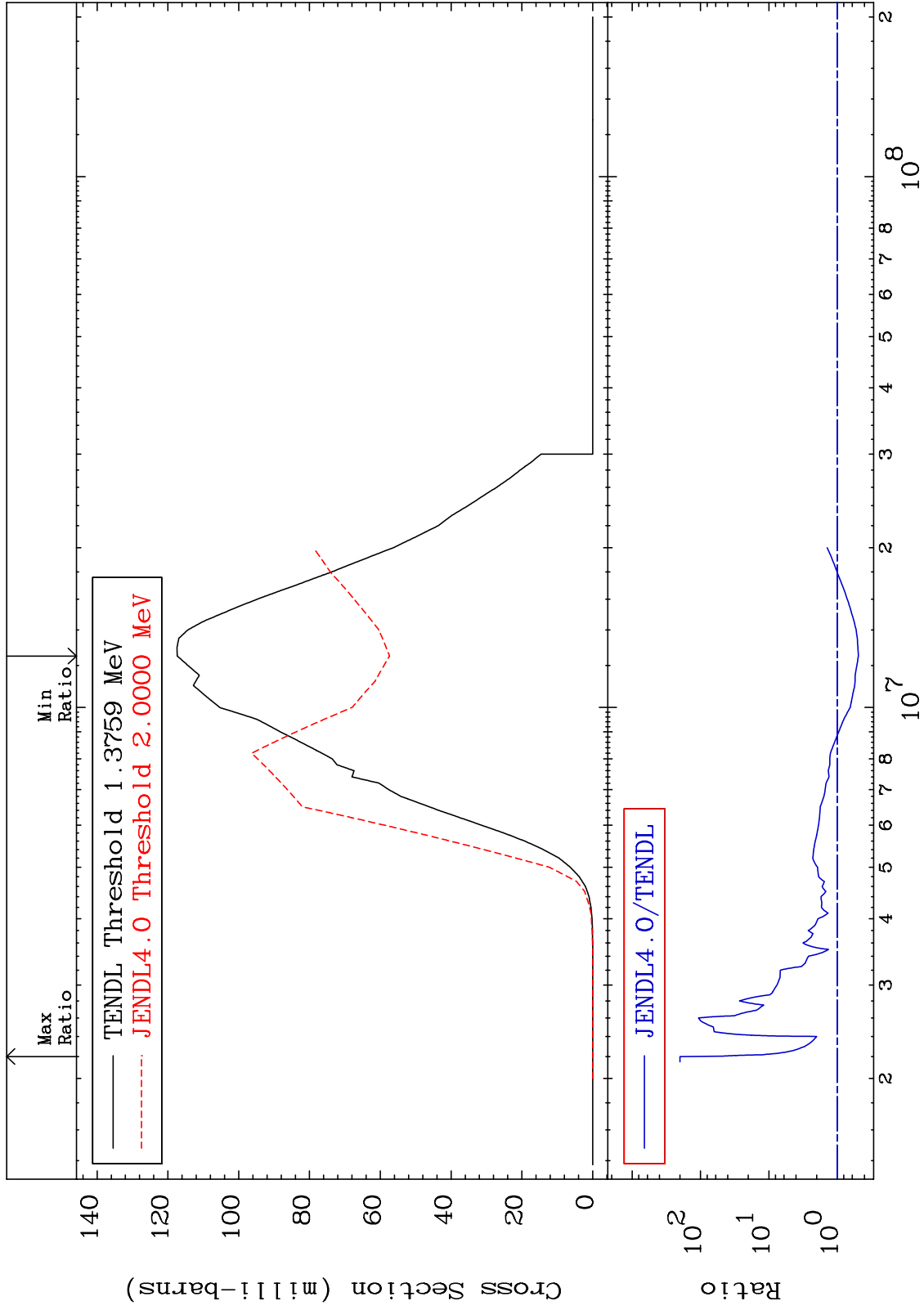
MAT 1631

(n,  $\alpha$ )

16-S -34

-51.11 To 9999. %

Cross Section



15

Incident Energy (eV)

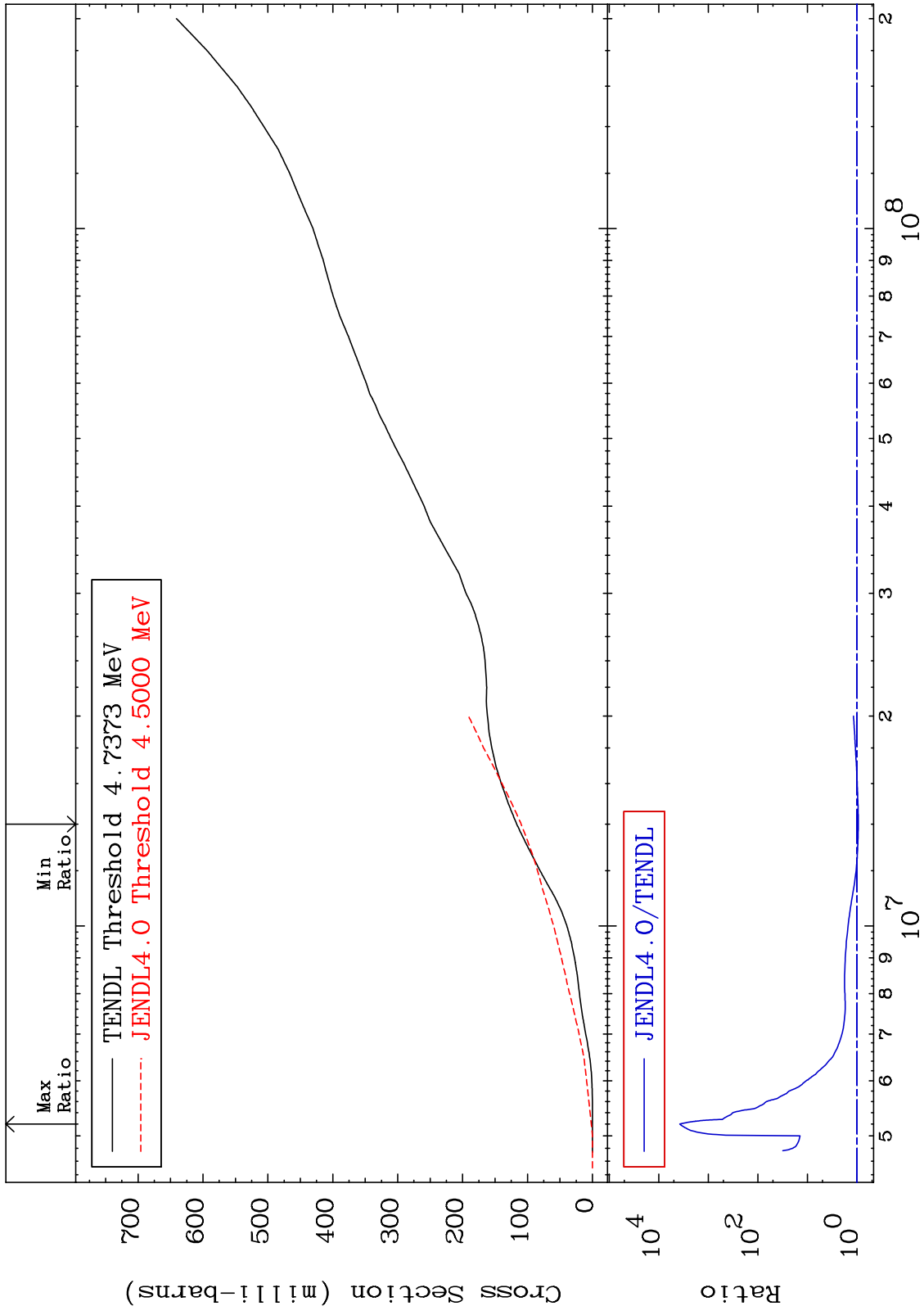
16-S -34



MAT 1631

Hydrogen Production  
Cross Section

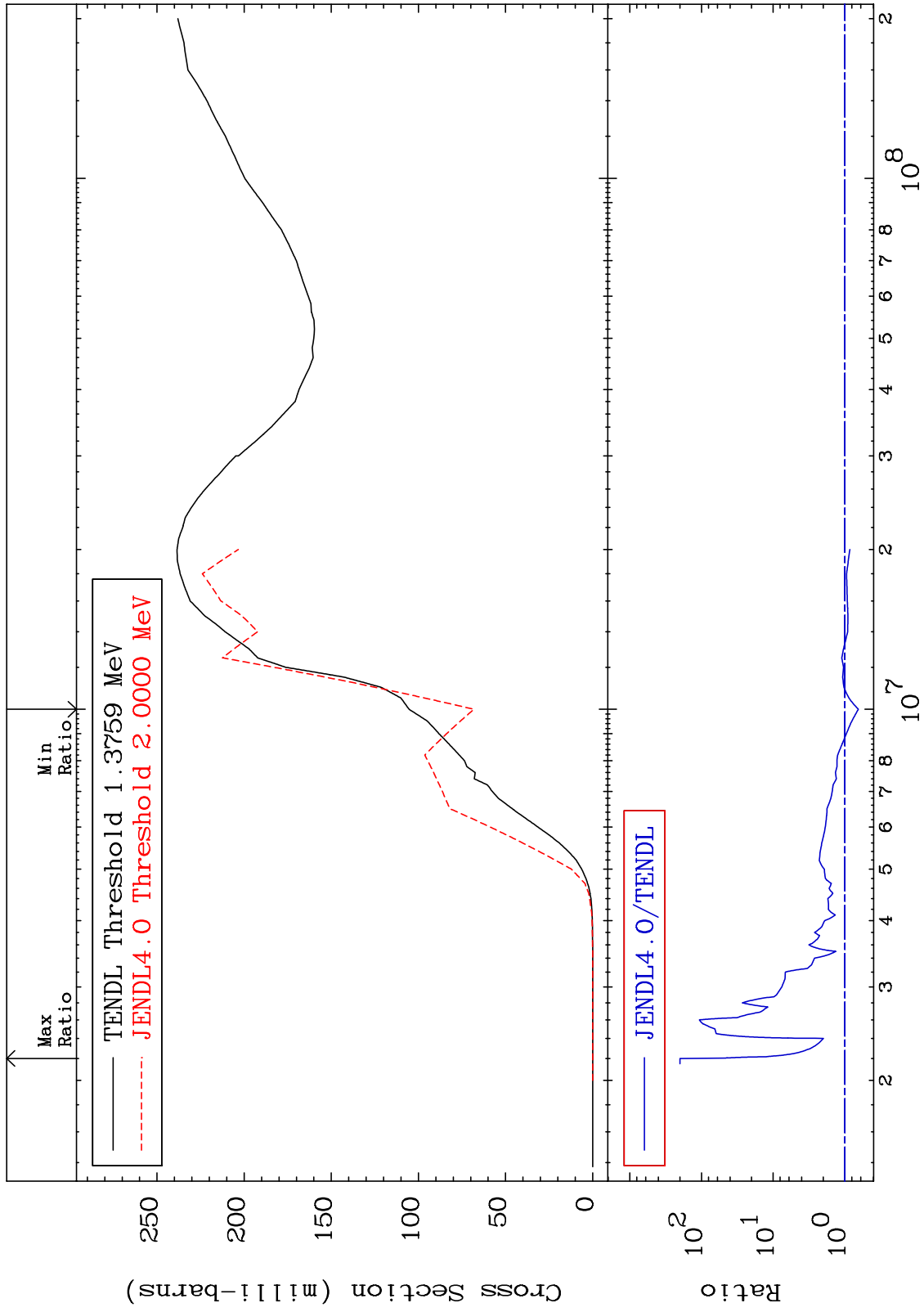
16-S -34  
-5.916 To 9999. %



MAT 1631

He-4 Production  
Cross Section

16-S -34  
-35.39 To 9999. %



17

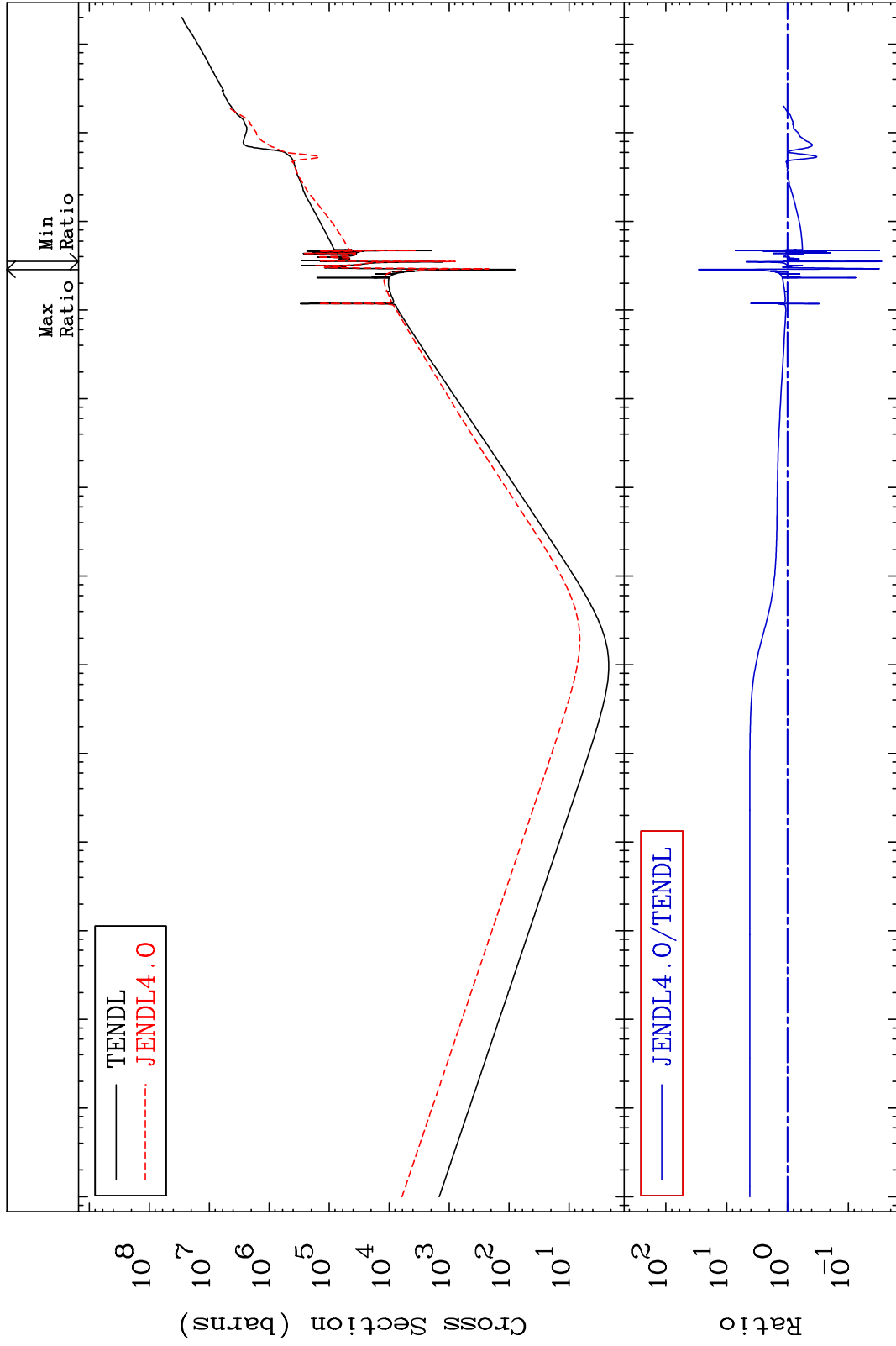
Incident Energy (eV)

16-S -34

MAT 1631

Kerma total (eV-barns)  
Cross Section

16-S -34  
-97.16 To 2827. %



18

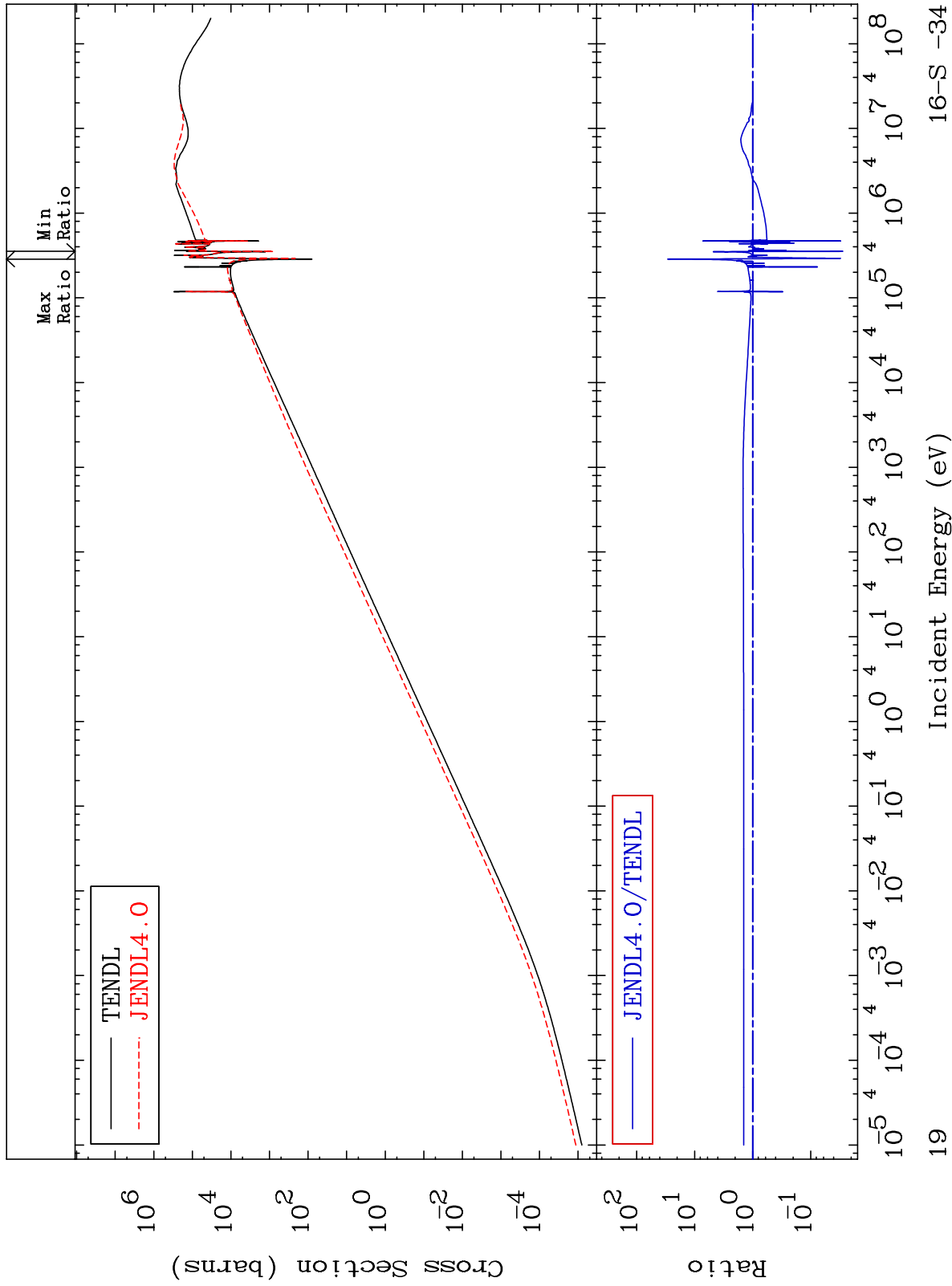
Incident Energy (eV)

16-S -34

MAT 1631

Kerma elastic  
Cross Section

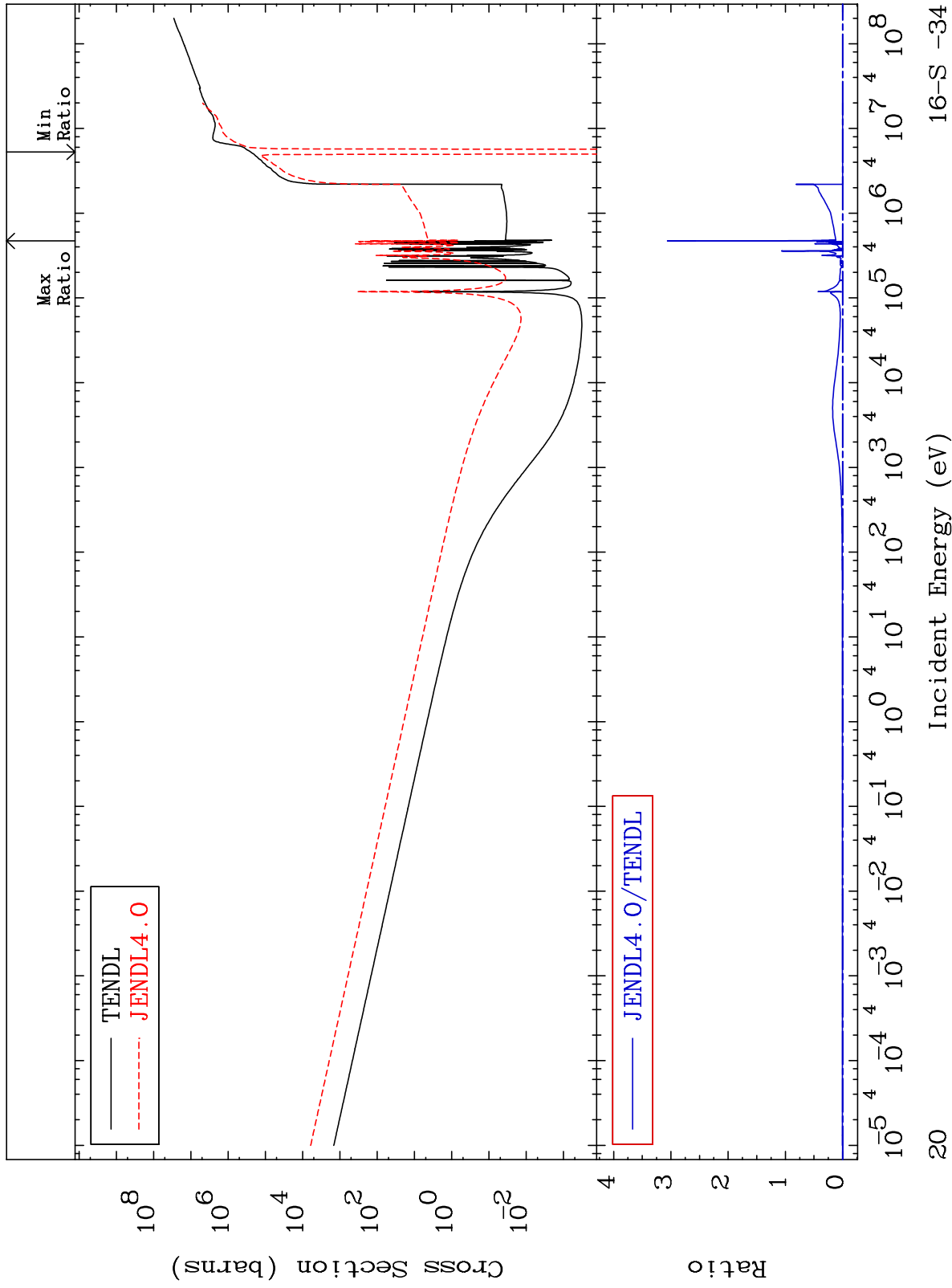
16-S -34  
-97.19 To 2827. %



MAT 1631

Kerma non-elastic (all but mt2)  
Cross Section

16-S -34  
-147.7 To 9999. %



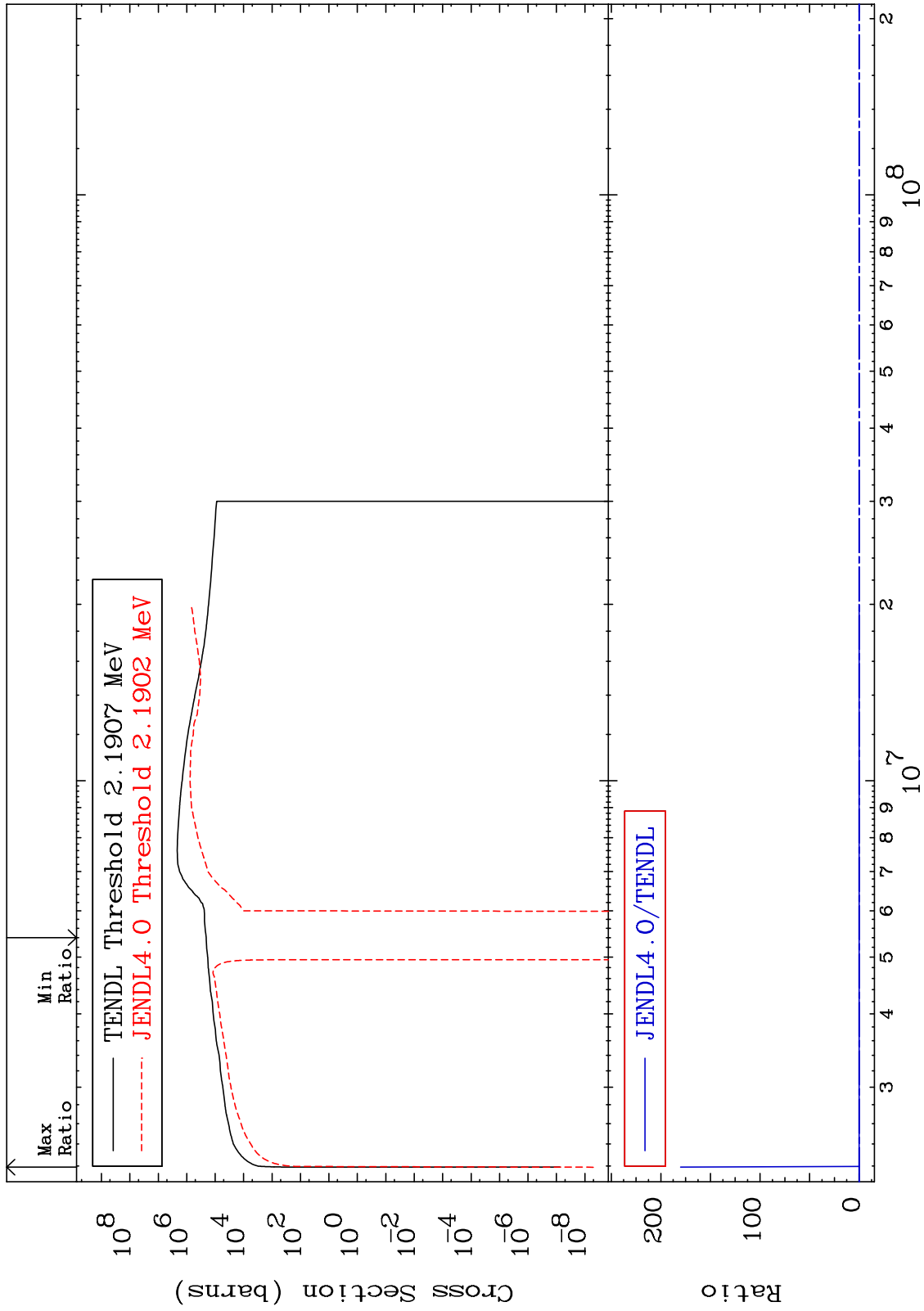
20

16-S -34

MAT 1631

Kerma inelastic (mt51-91)  
Cross Section

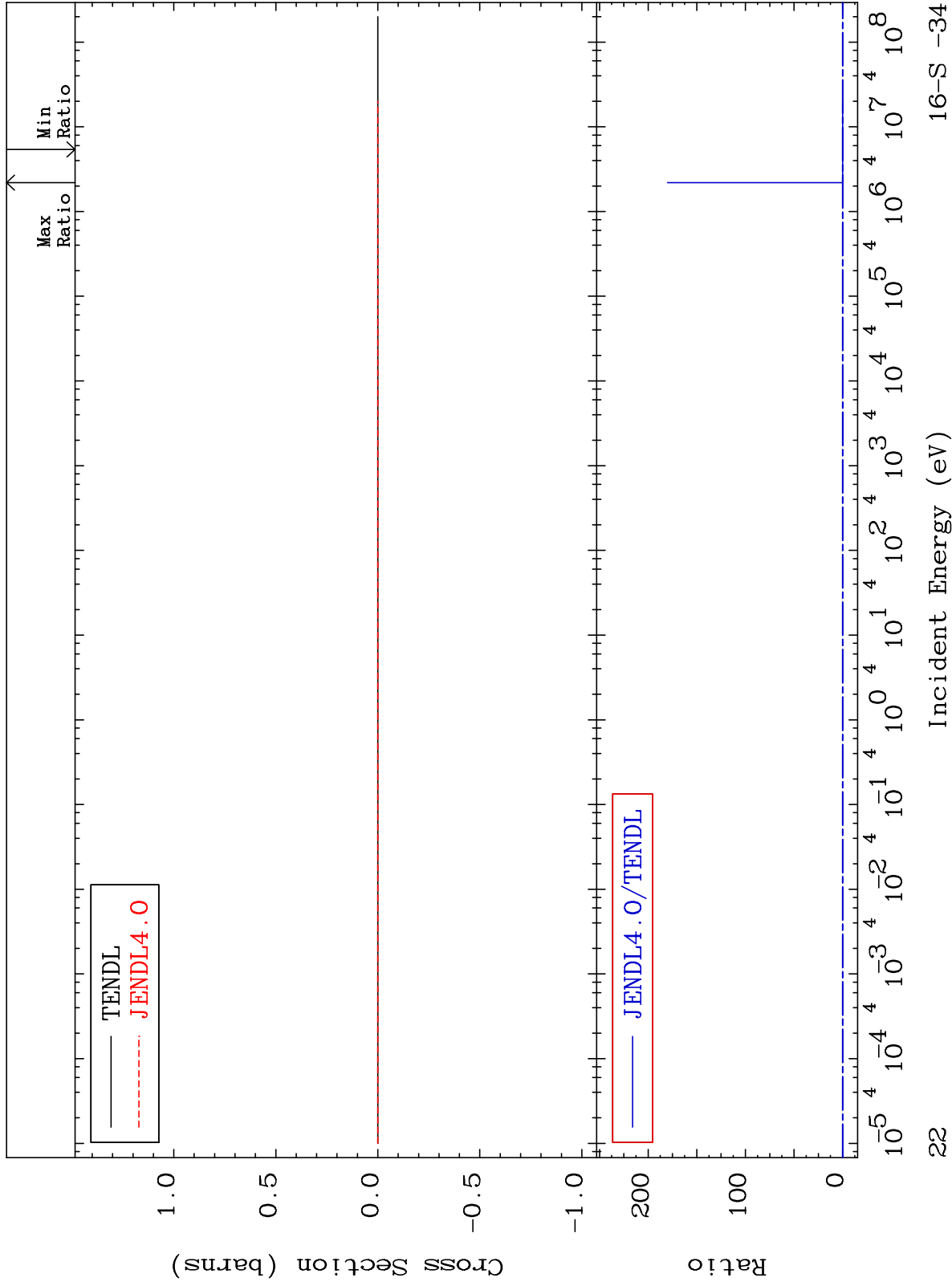
16-S -34  
-215.9 To 9999. %



MAT 1631

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

16-S -34  
-215.9 To 9999. %



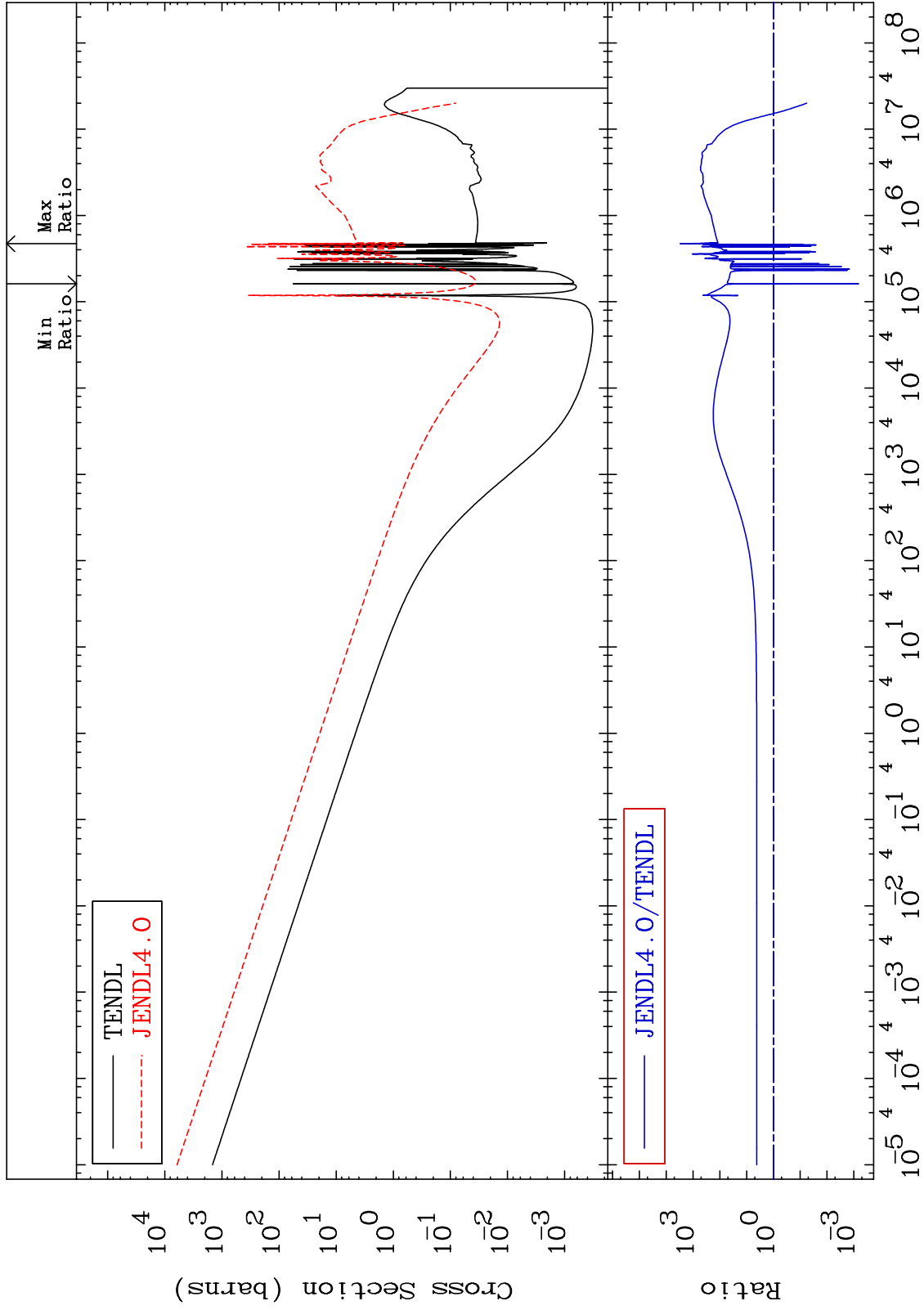
22

16-S -34

MAT 1631

Kerma capture (mt102)  
Cross Section

16-S -34  
-99.93 To 9999. %



23

Incident Energy (eV)

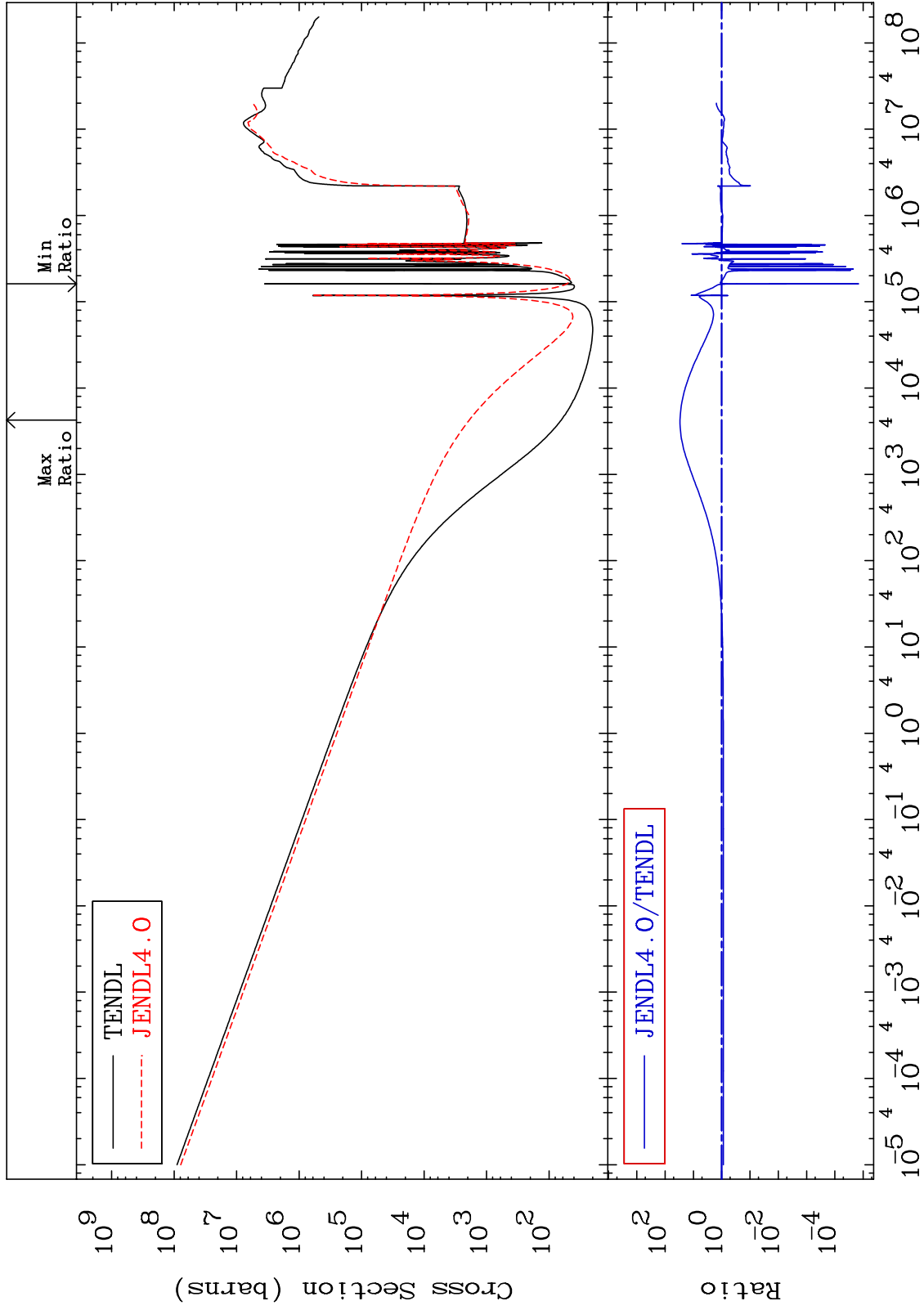
16-S -34



MAT 1631

Total photon (eV-barns)  
Cross Section

16-S -34  
-100.0 To 2870. %



24

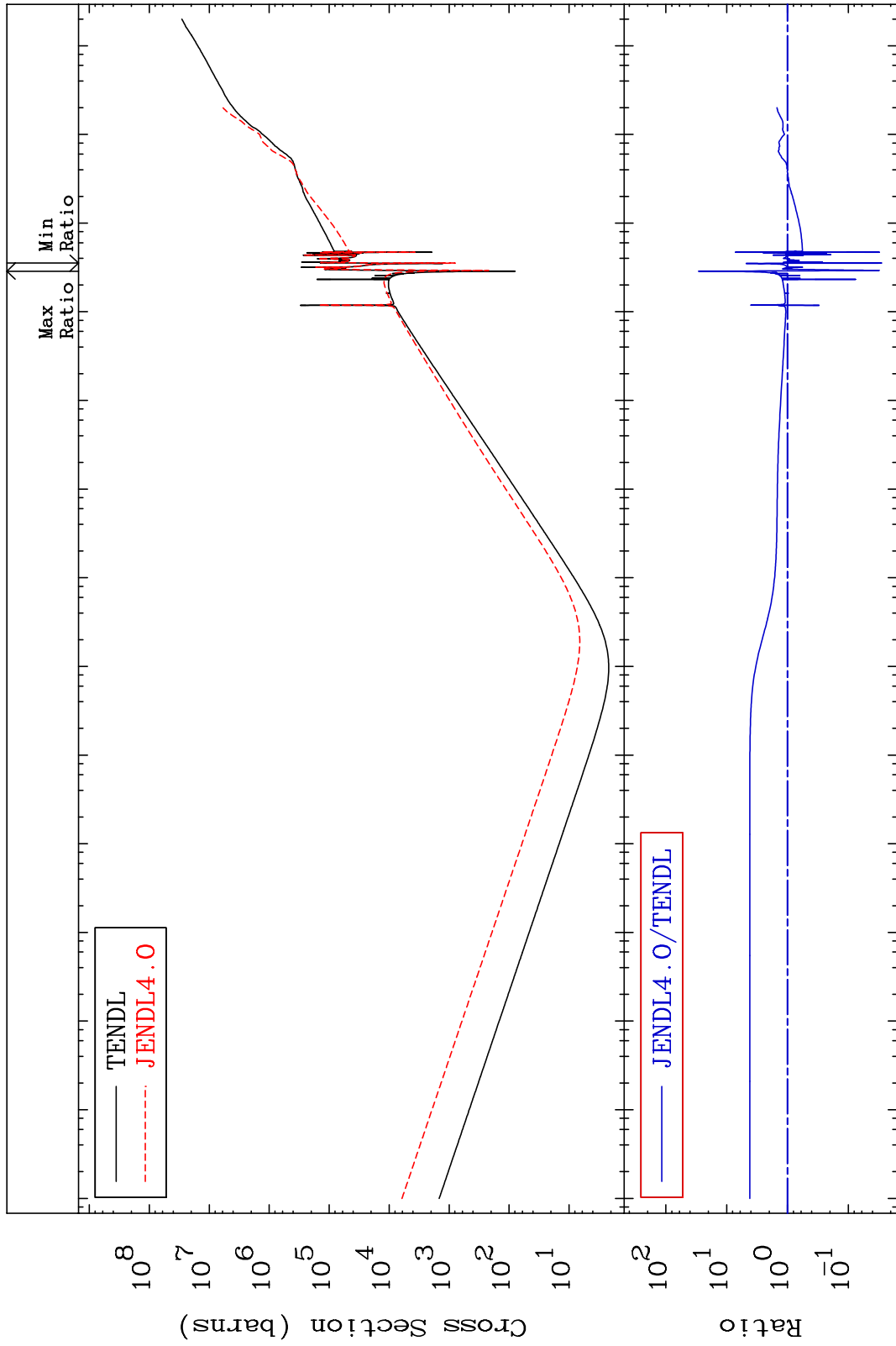
Incident Energy (eV)

16-S -34

MAT 1631

Total kinematic kerma (high limit)  
Cross Section

16-S -34  
-97.16 To 2827. %



10<sup>8</sup>  
10<sup>7</sup>  
10<sup>6</sup>  
10<sup>5</sup>  
10<sup>4</sup>  
10<sup>3</sup>  
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>  
10<sup>-2</sup>  
10<sup>-3</sup>  
10<sup>-4</sup>  
10<sup>-5</sup>

10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

Ratio

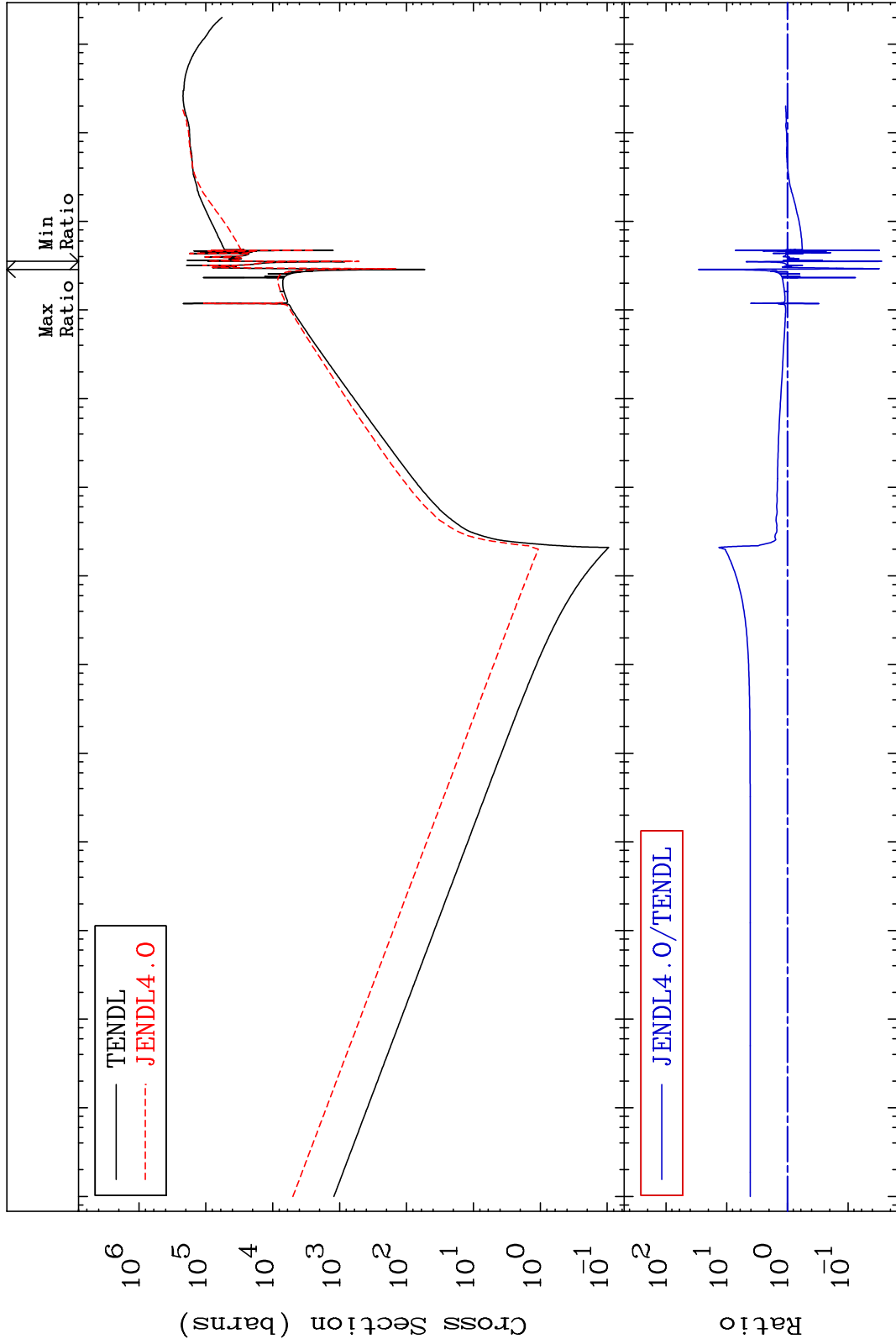
Incident Energy (eV)

16-S -34

MAT 1631

Dpa total (eV-barns)  
Cross Section

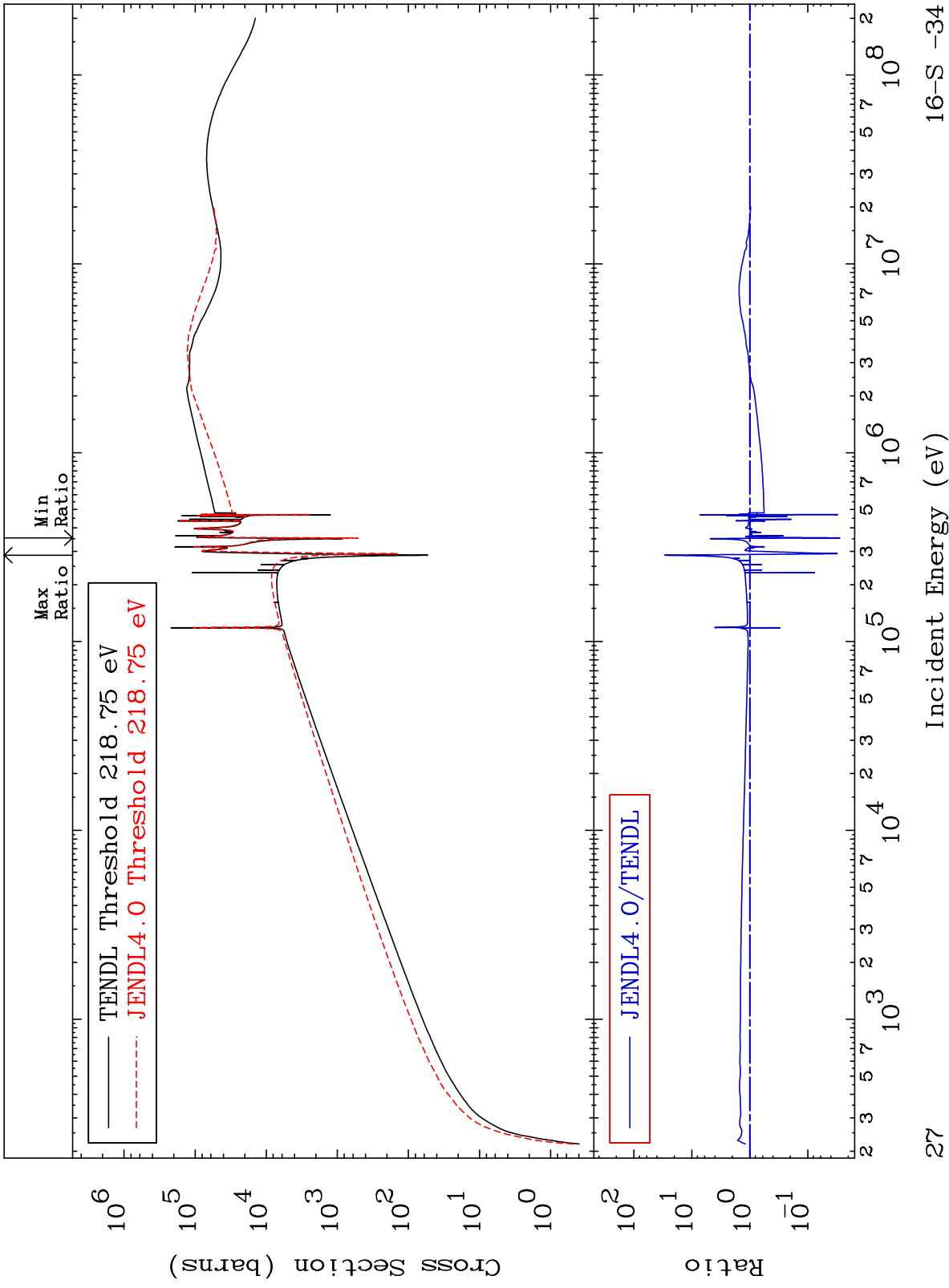
16-S -34  
-97.18 To 2832. %



MAT 1631

Dpa elastic (mt2)  
Cross Section

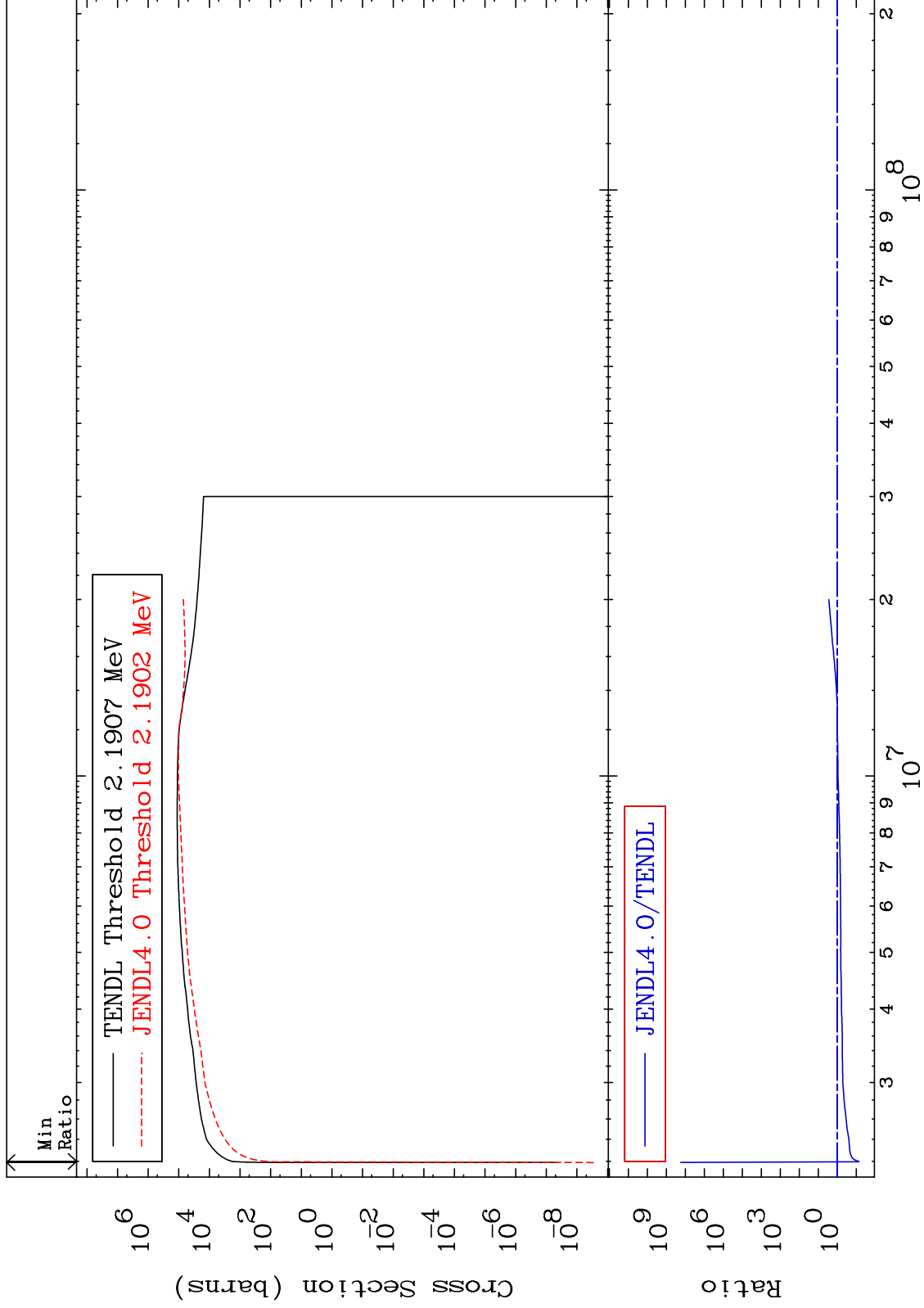
16-S -34  
-97.19 To 2834. %



MAT 1631

Dpa inelastic (mt51-91)  
Cross Section

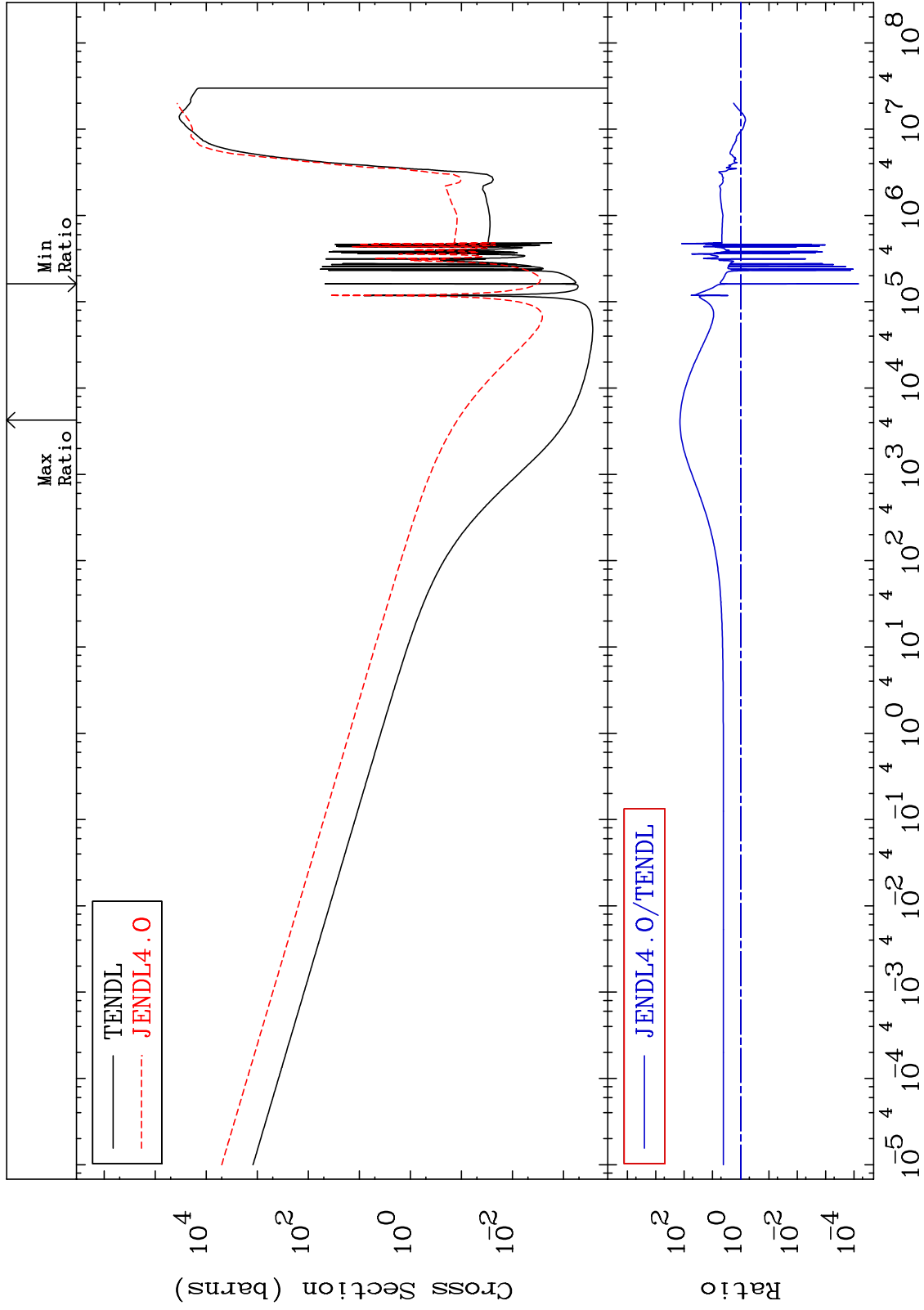
16-S -34  
-92.87 To 9999. %



MAT 1631

Dpa disappearance (mt102 -120)  
Cross Section

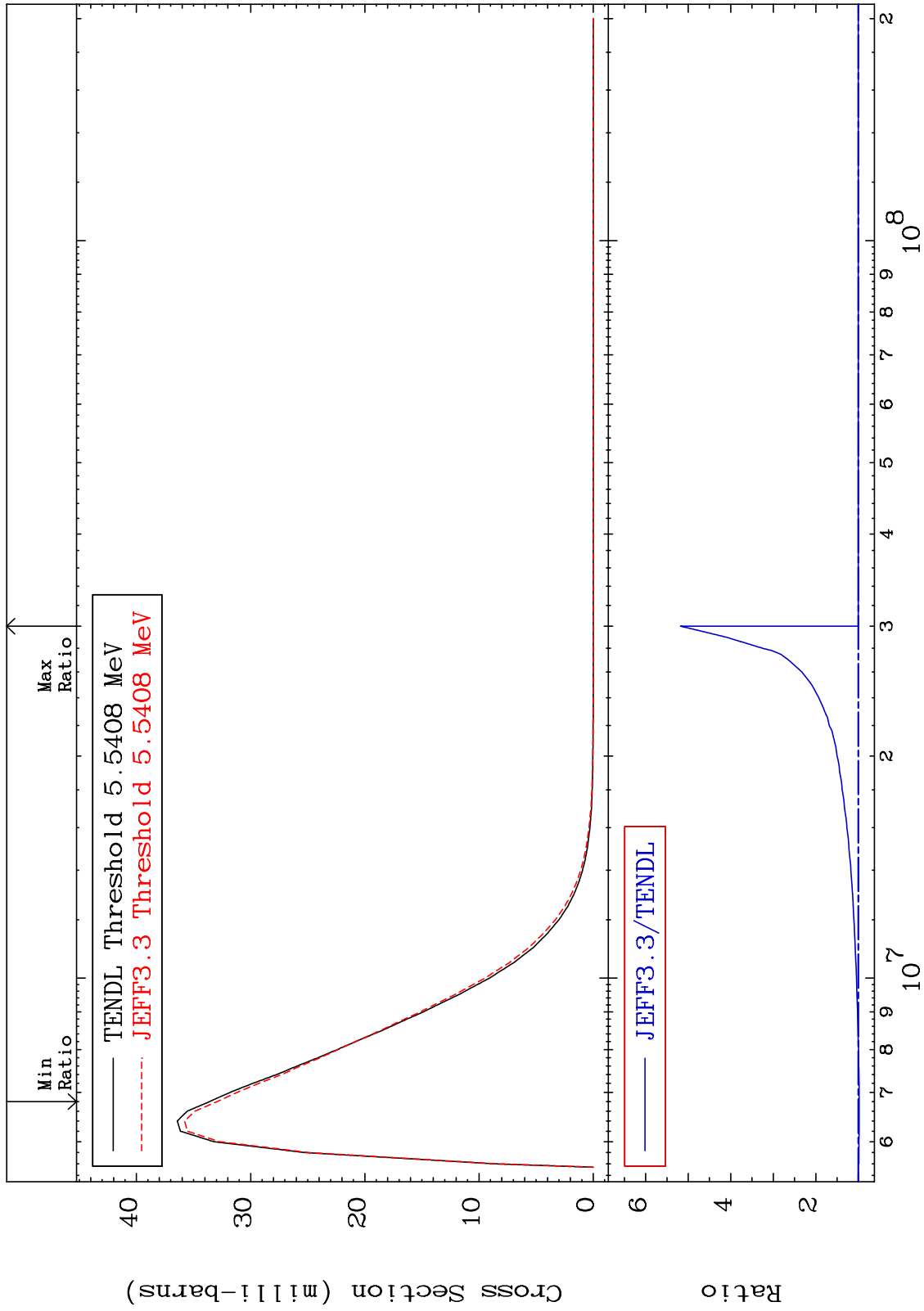
16-S -34  
-99.99 To 9999. %



MAT 1631

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

16-S -34  
-1.986 To 417.8 %



30

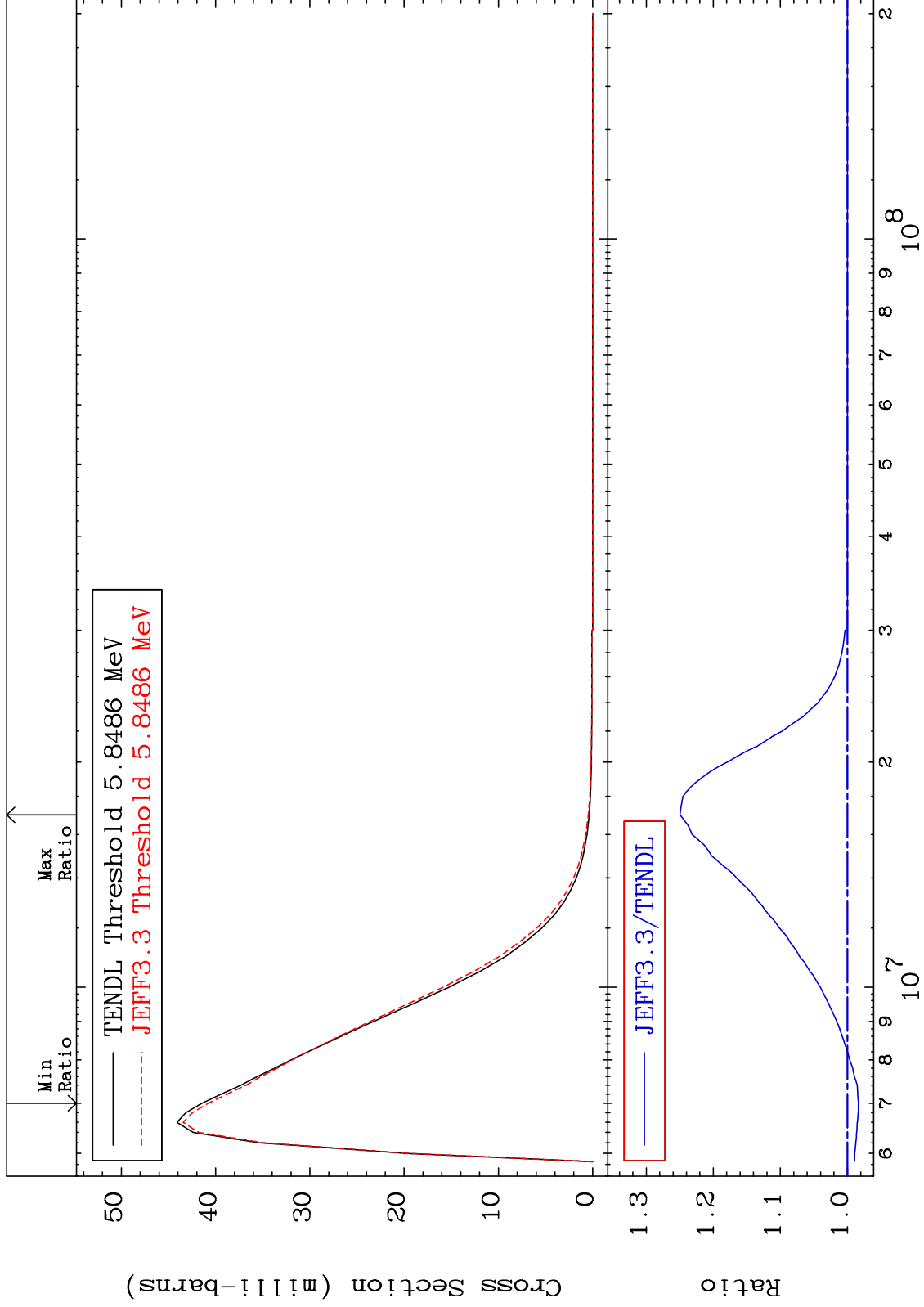
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-1.639 To 24.97 %

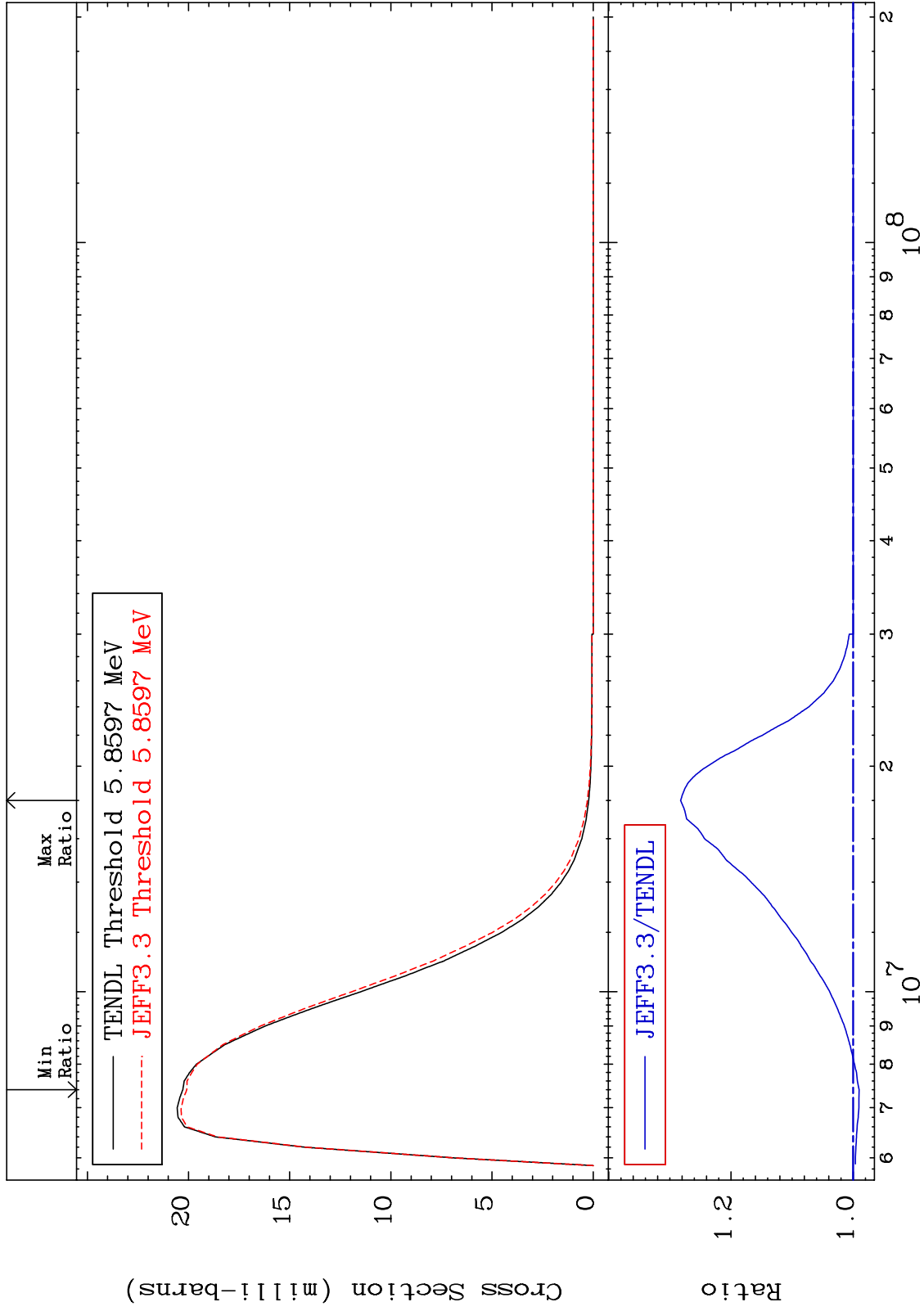




MAT 1631

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

16-S -34  
-0.981 To 28.24 %



32

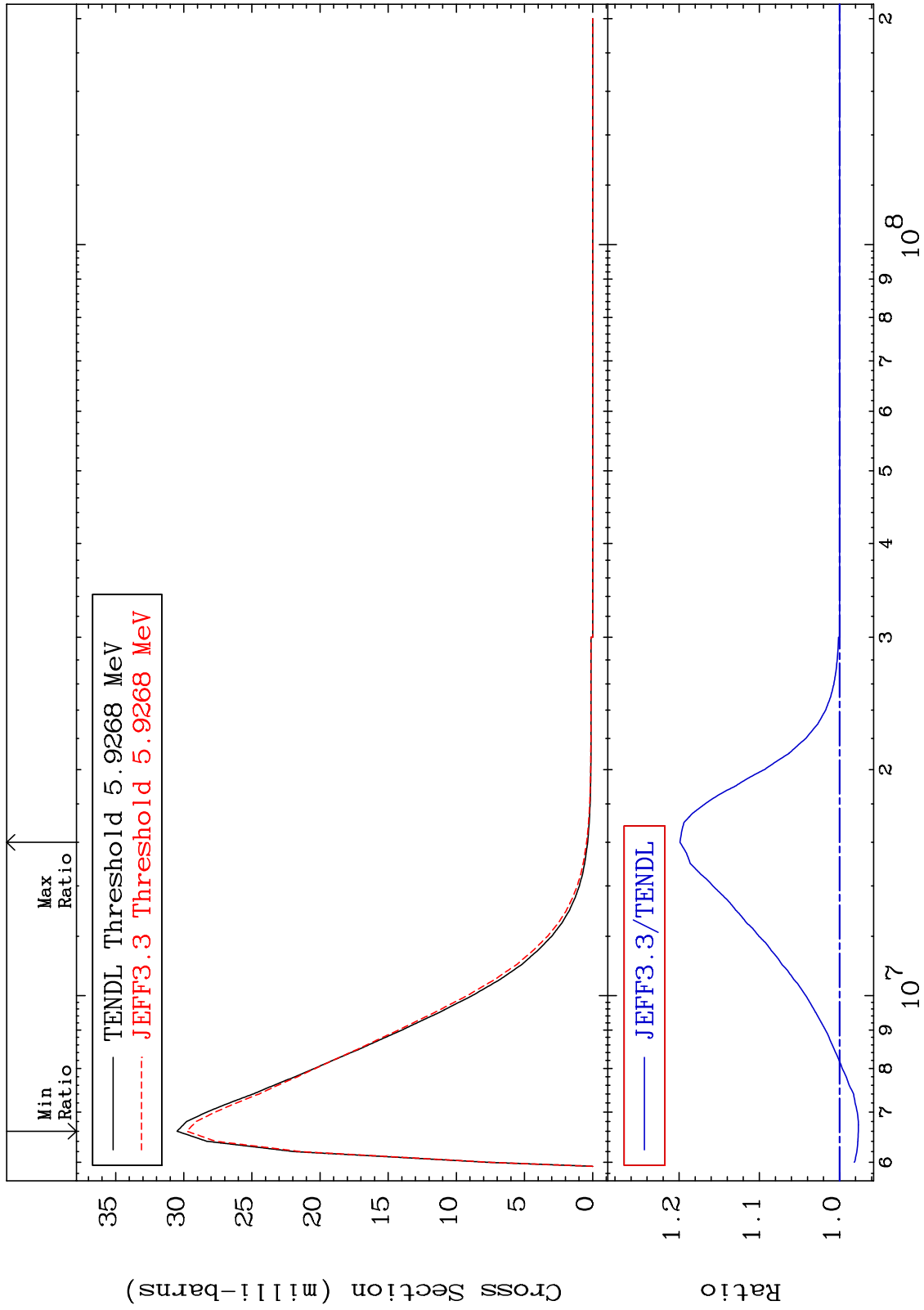
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-2.349 To 19.89 %



33

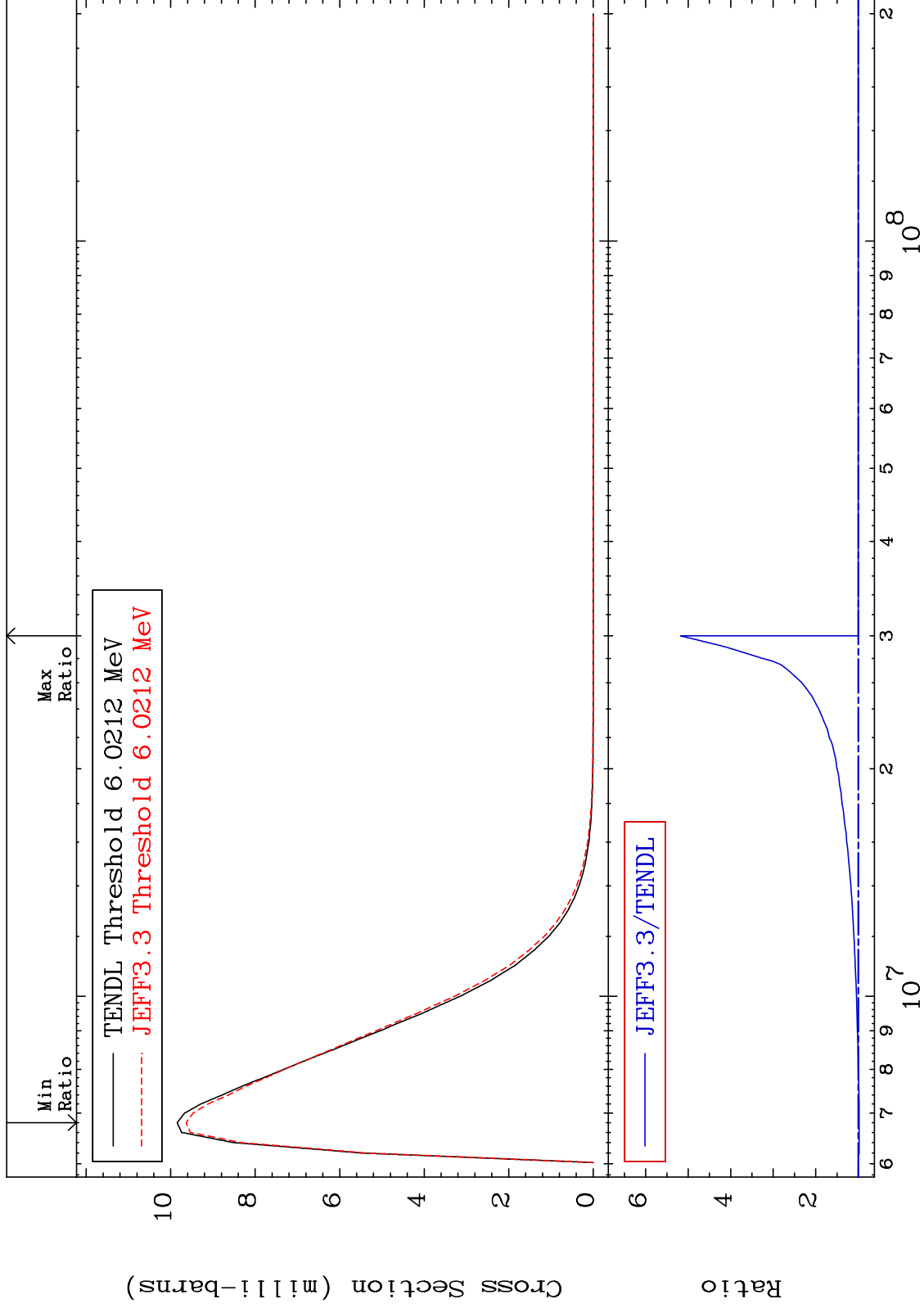
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-2.152 To 417.8 %



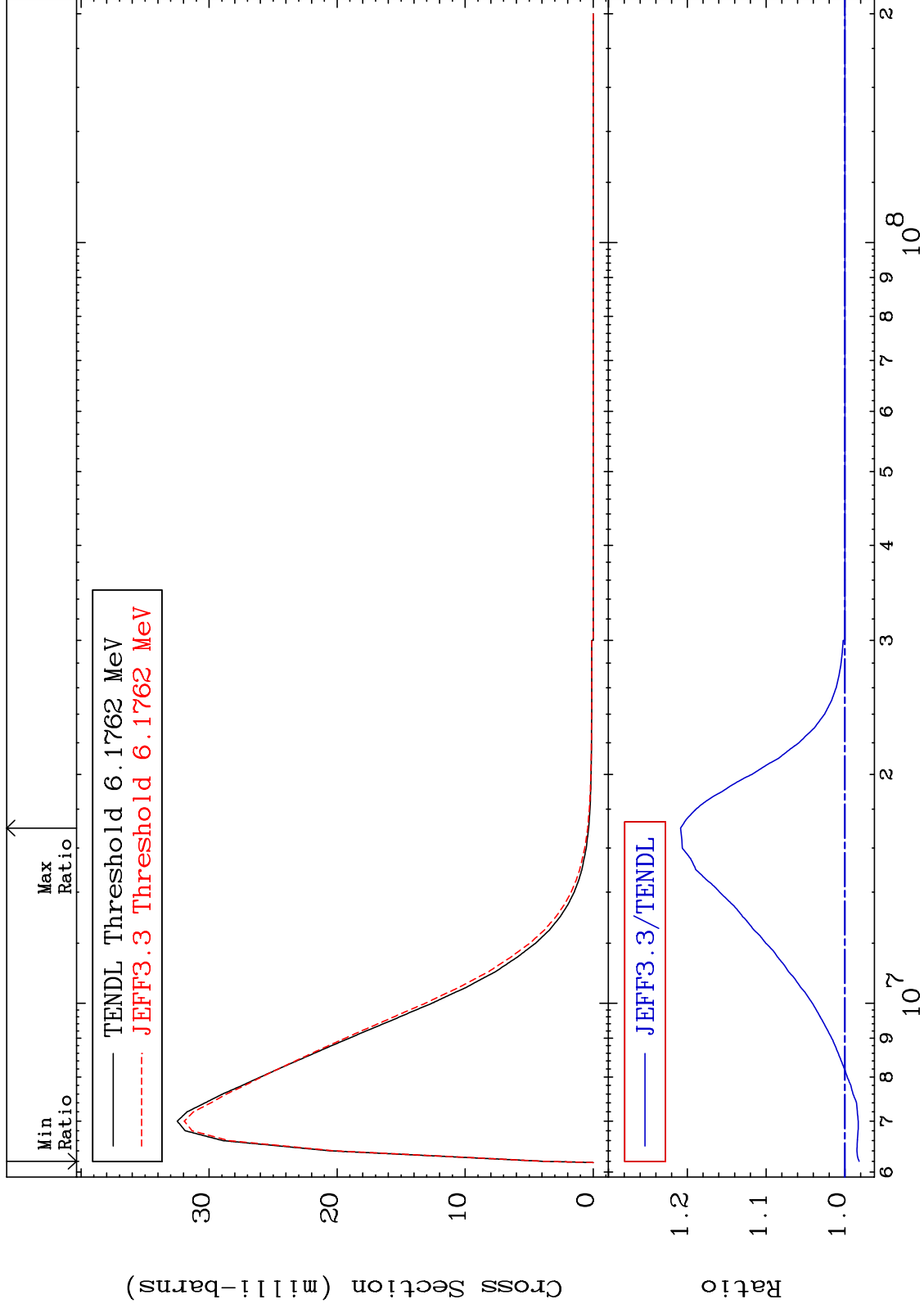
34

16-S -34

MAT 1631

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

16-S -34  
-1.812 To 20.85 %



35

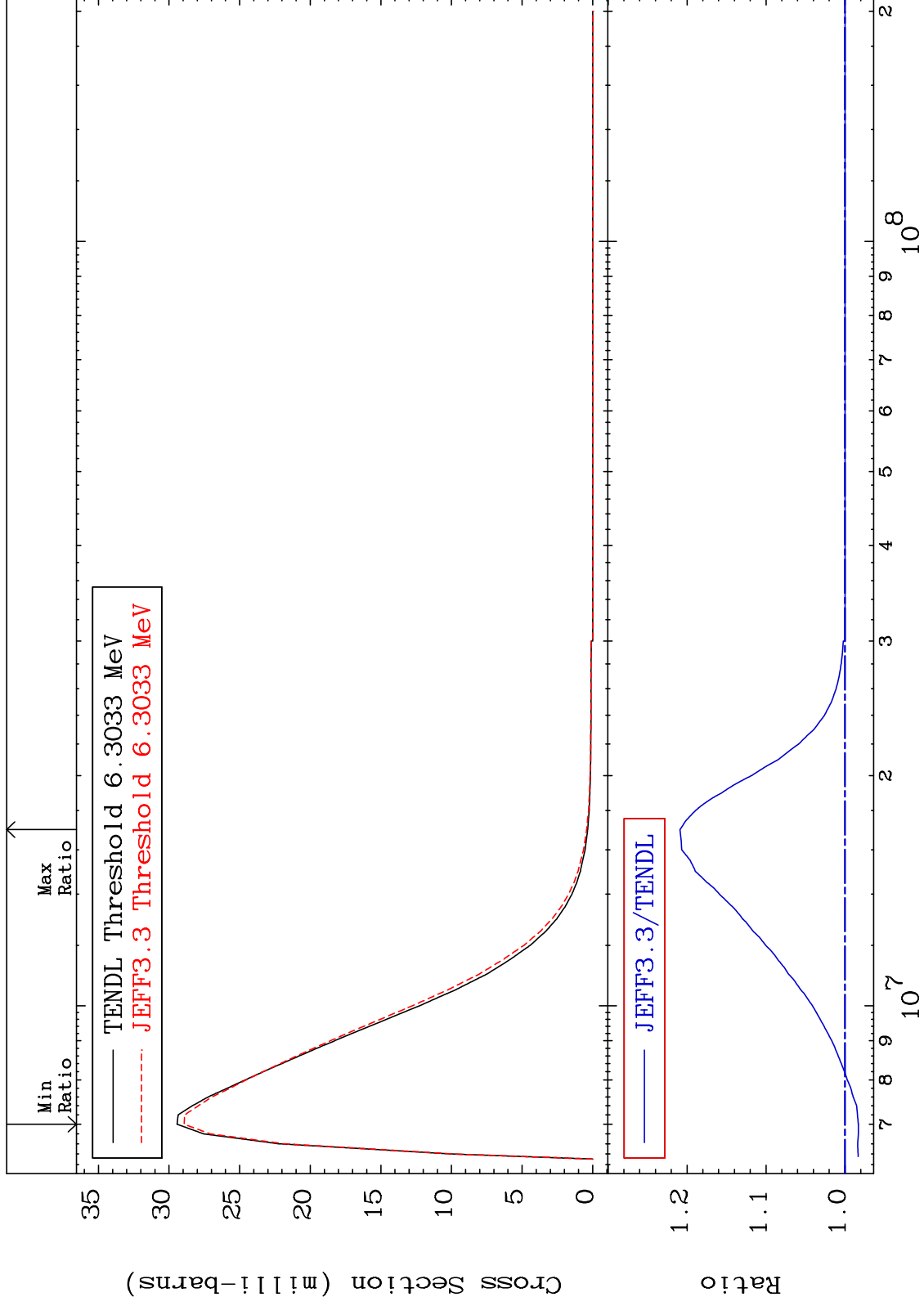
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-1.699 To 20.89 %



36

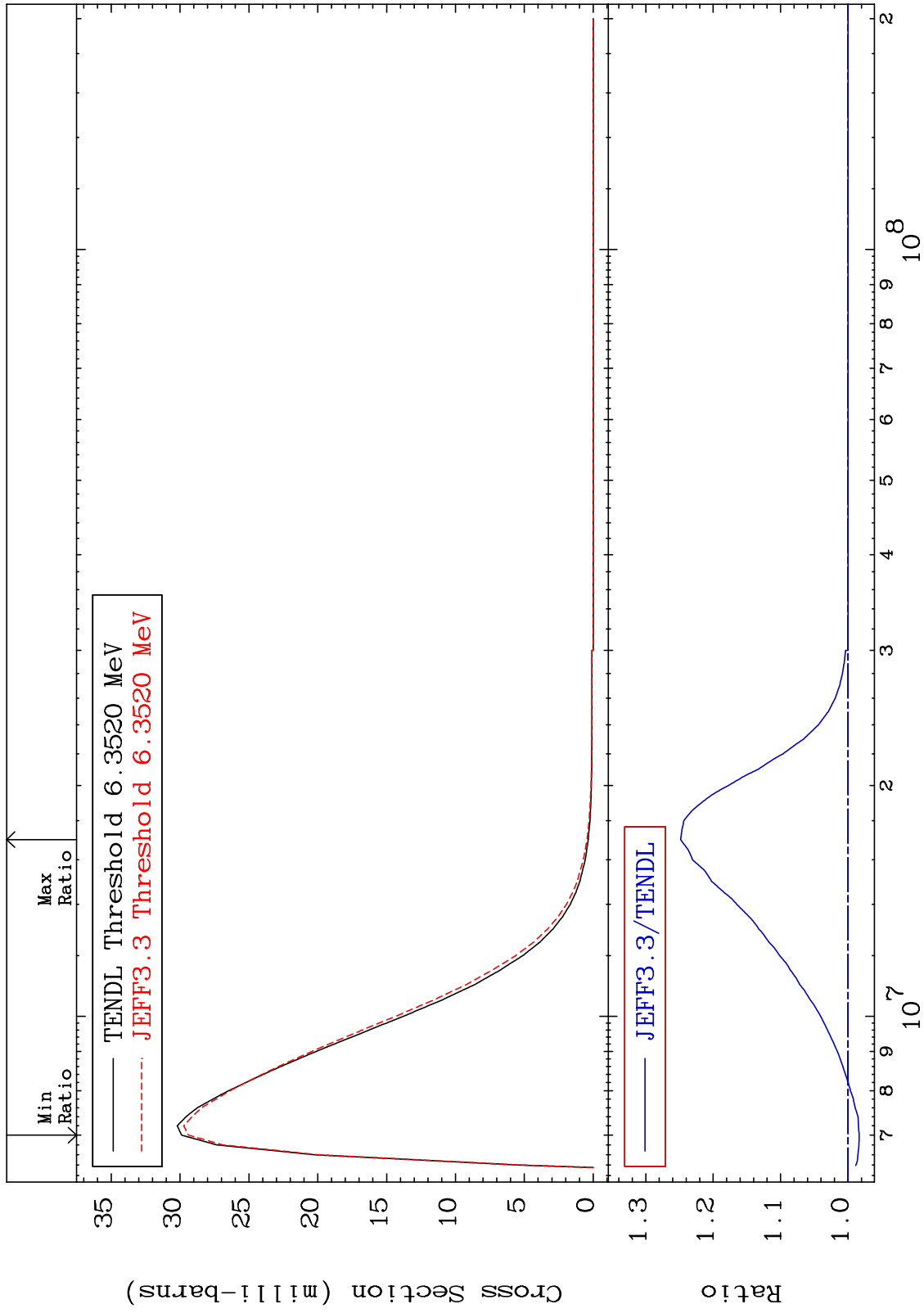
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-1.662 To 24.83 %



37

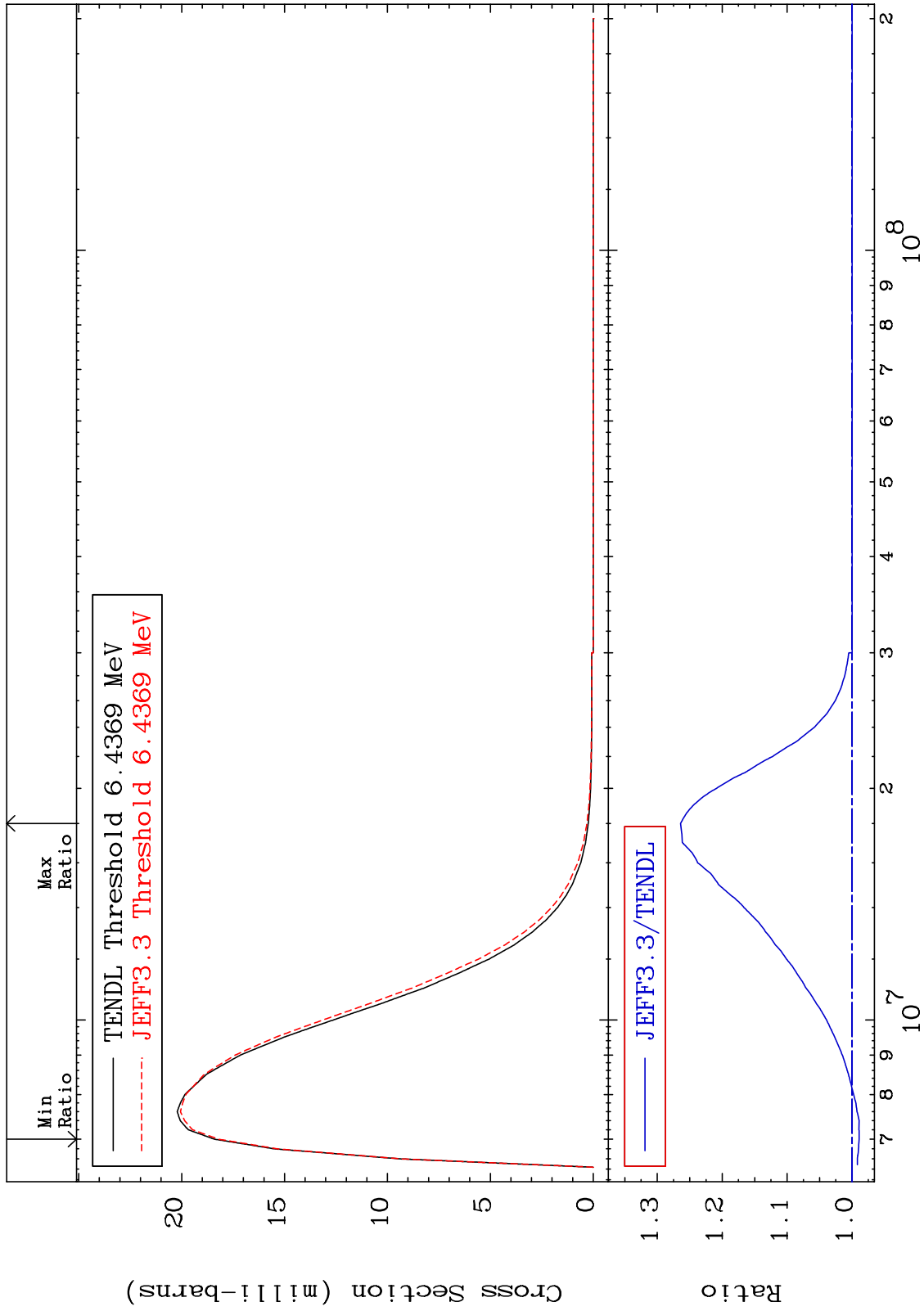
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-1.092 To 26.41 %



38

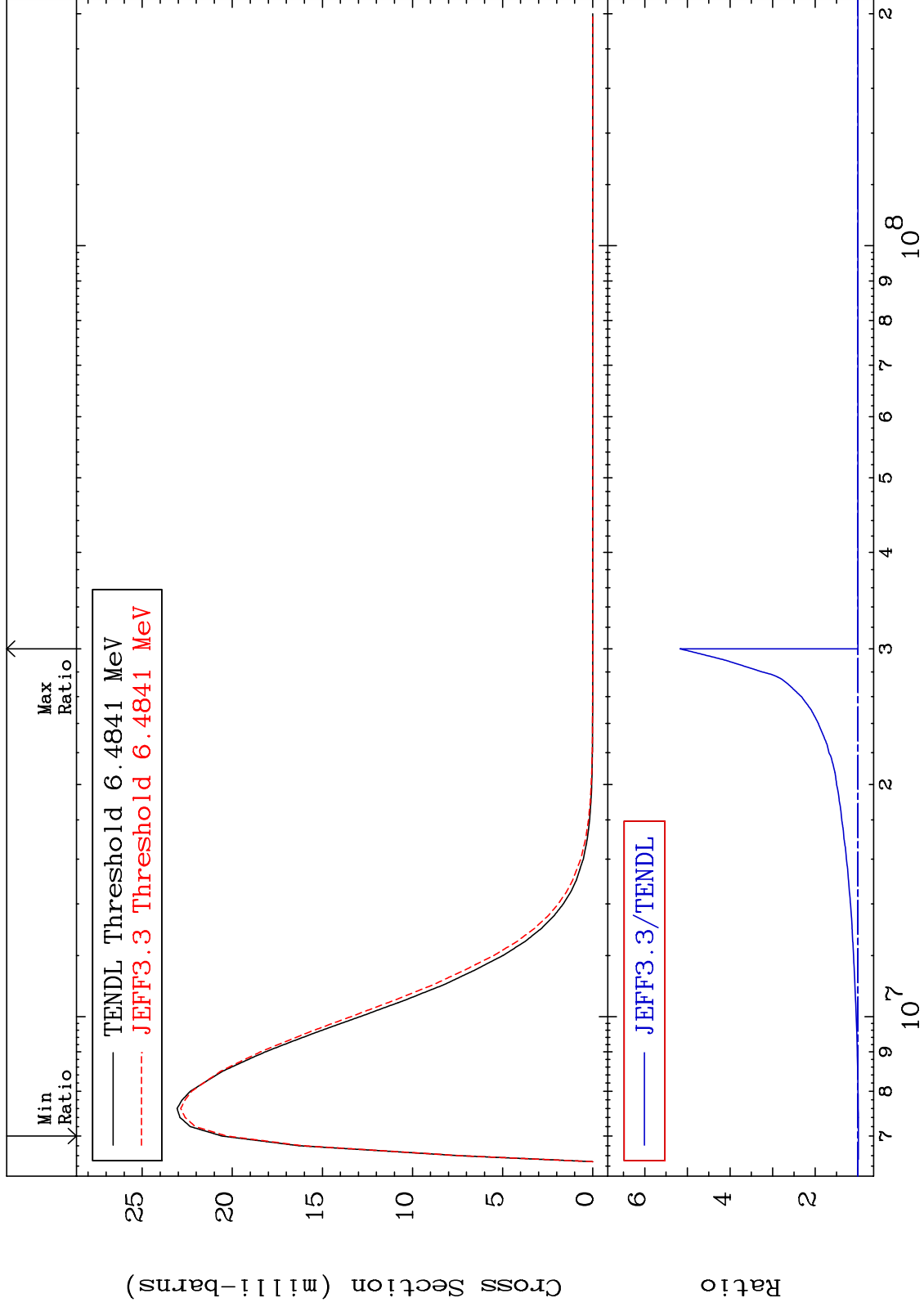
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-1.271 To 417.3 %



39

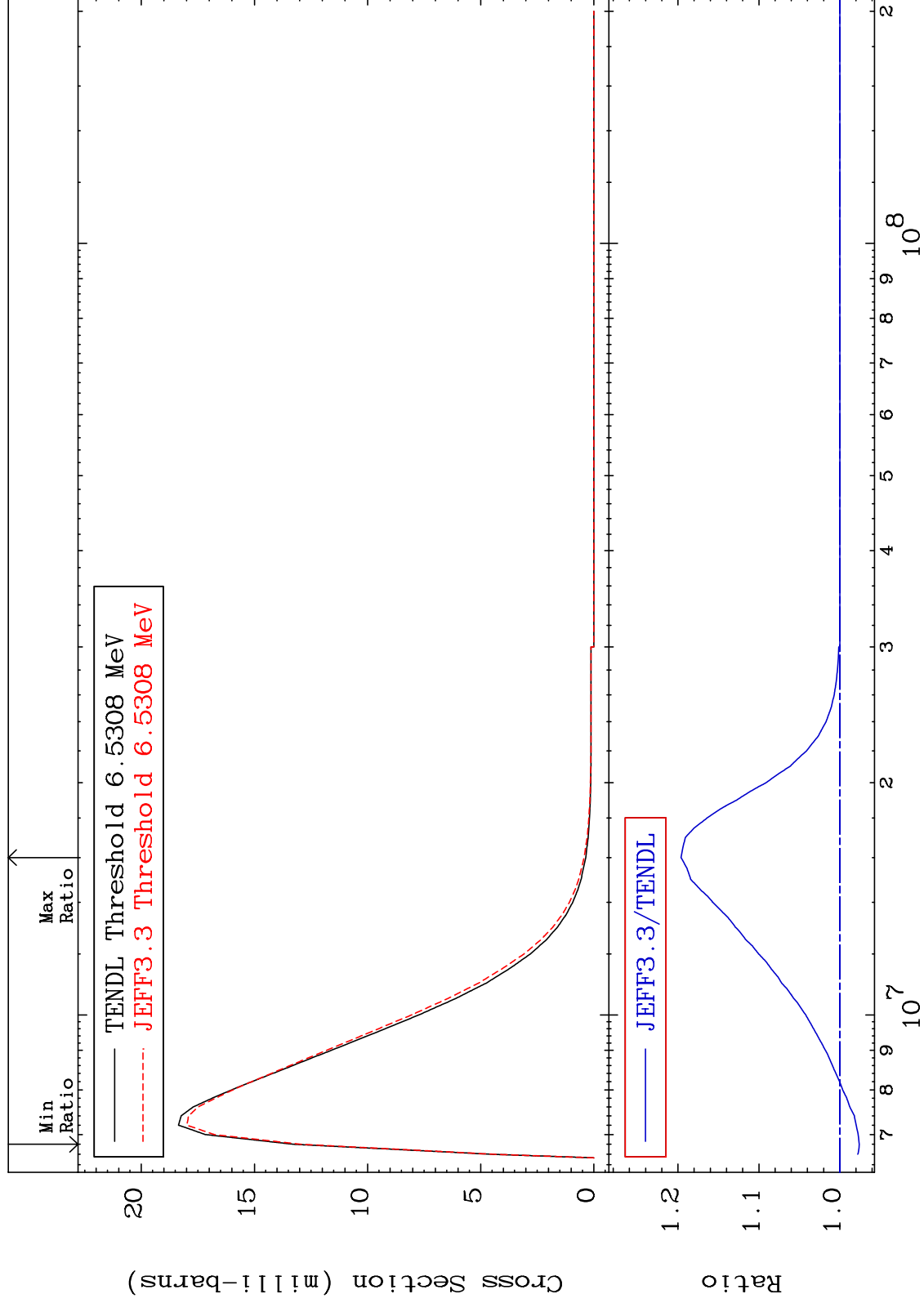
16-S -34



MAT 1631

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

16-S -34  
-2.405 To 19.62 %



40

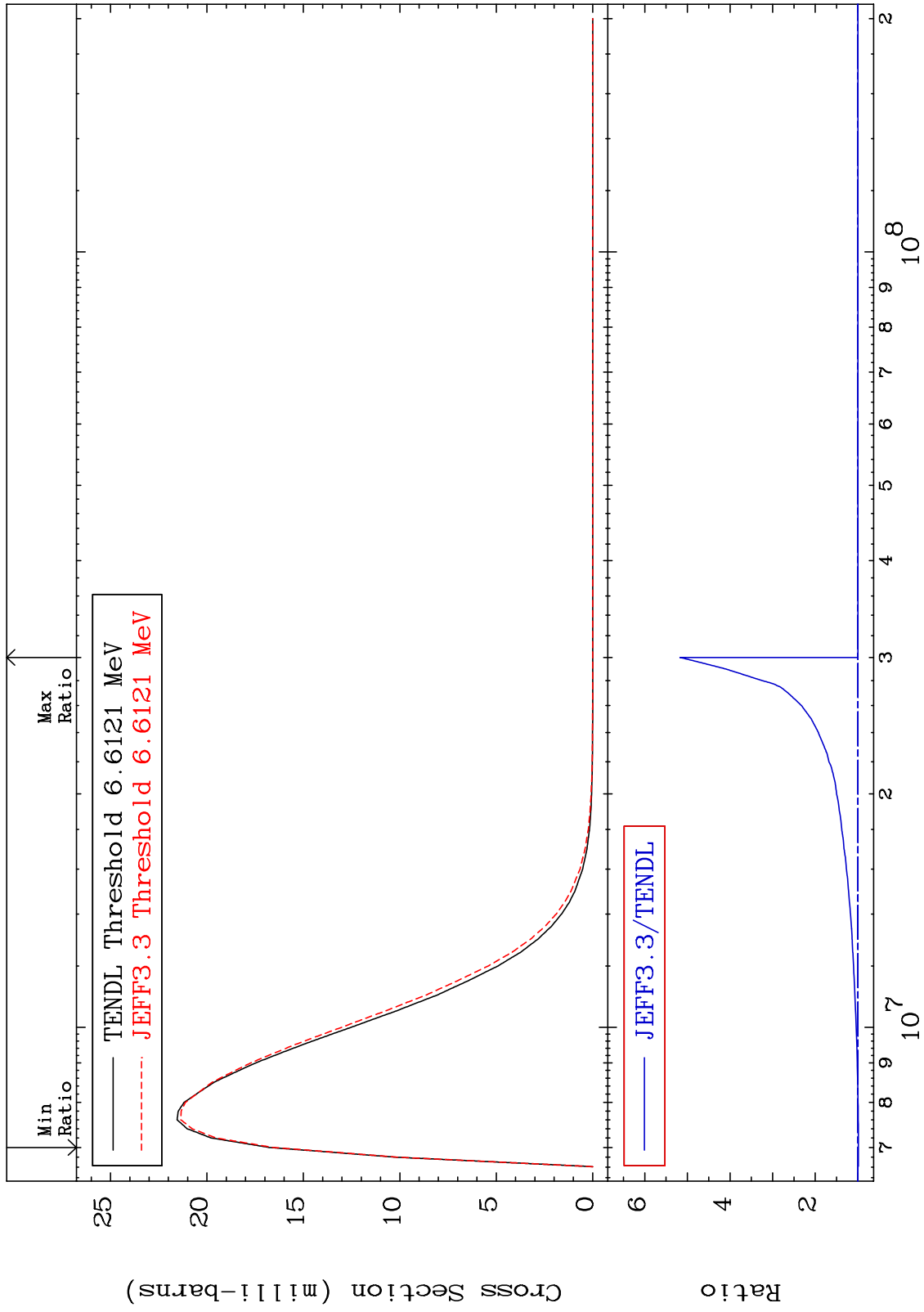
Incident Energy (eV)

16-S -34

MAT 1631

MT= 74 (n,n') Level  
Cross Section

16-S -34  
-1.270 To 417.3 %



41

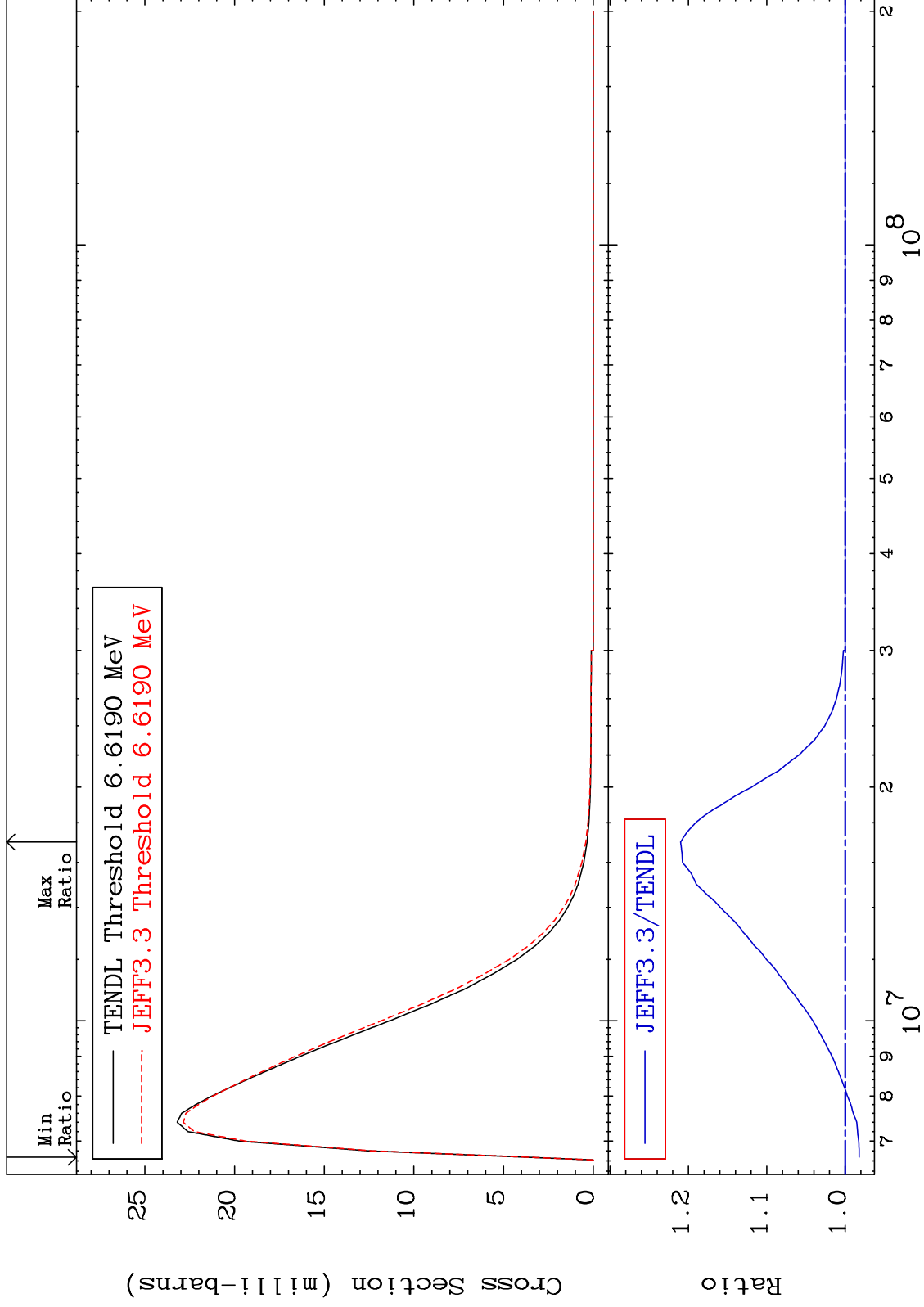
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-1.786 To 21.00 %



42

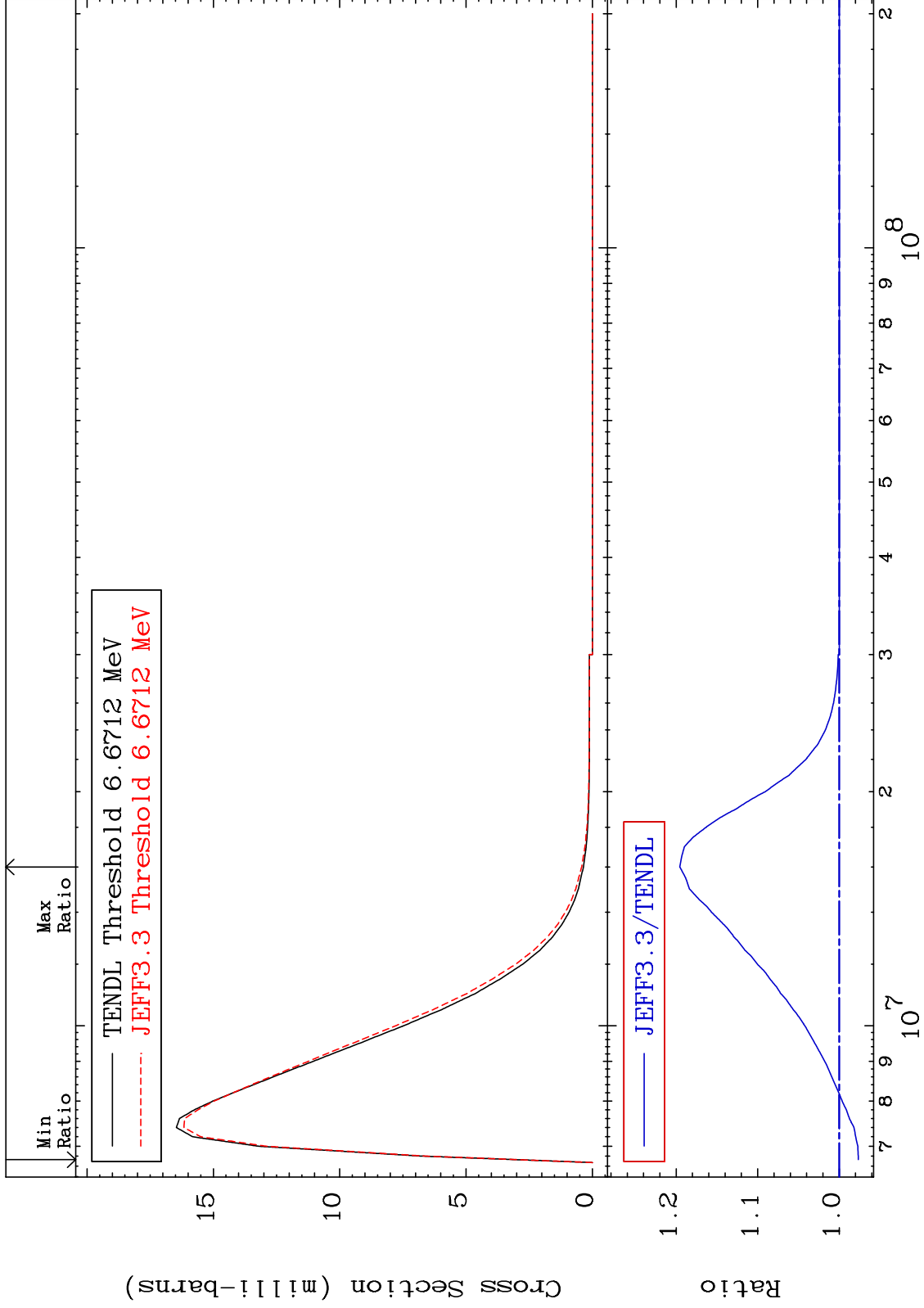
Incident Energy (eV)

16-S -34

MAT 1631

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

16-S -34  
-2.346 To 19.55 %



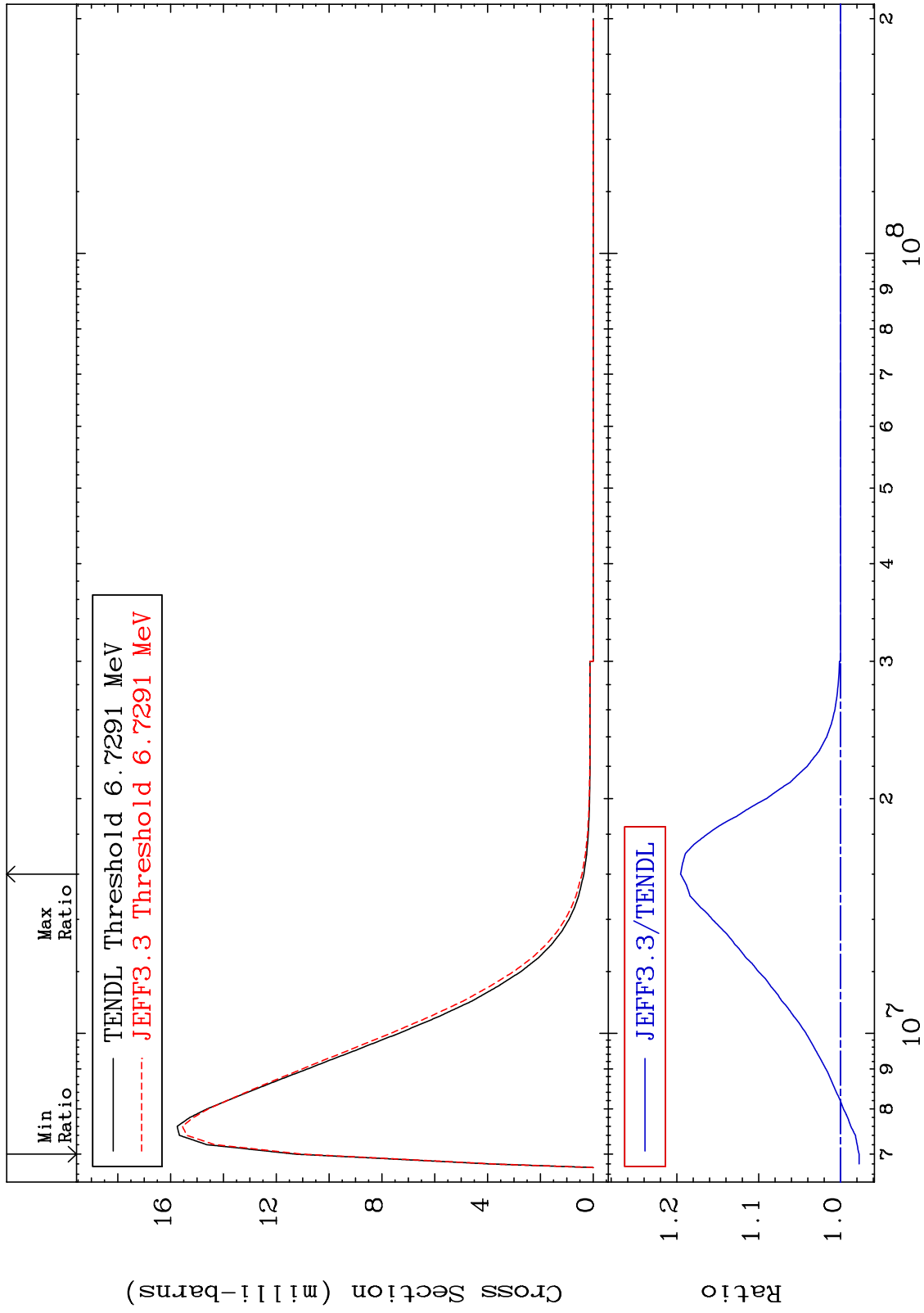
43

16-S -34

MAT 1631

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

16-S -34  
-2.276 To 19.53 %



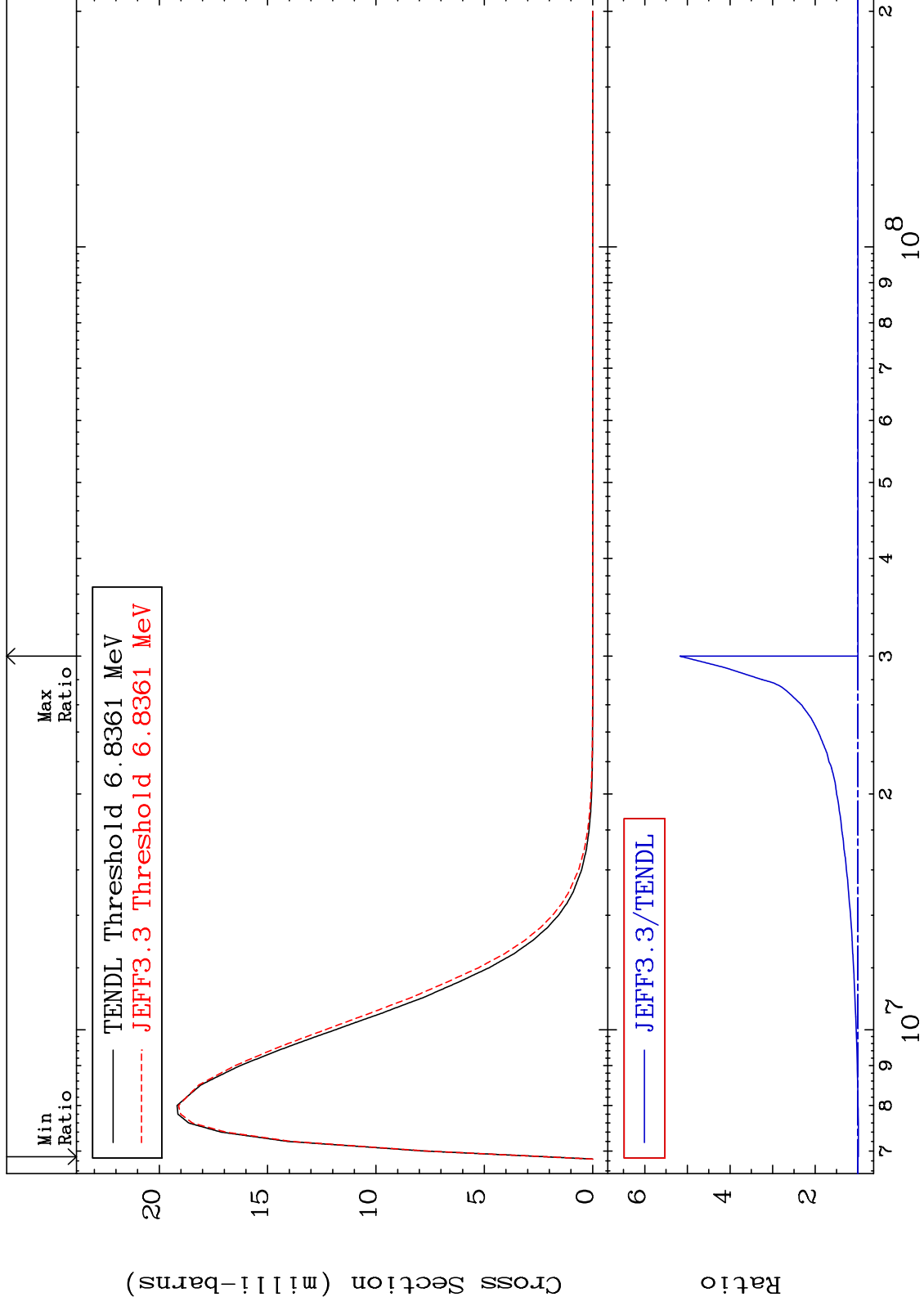
44

16-S -34

MAT 1631

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

16-S -34  
-1.254 To 417.3 %



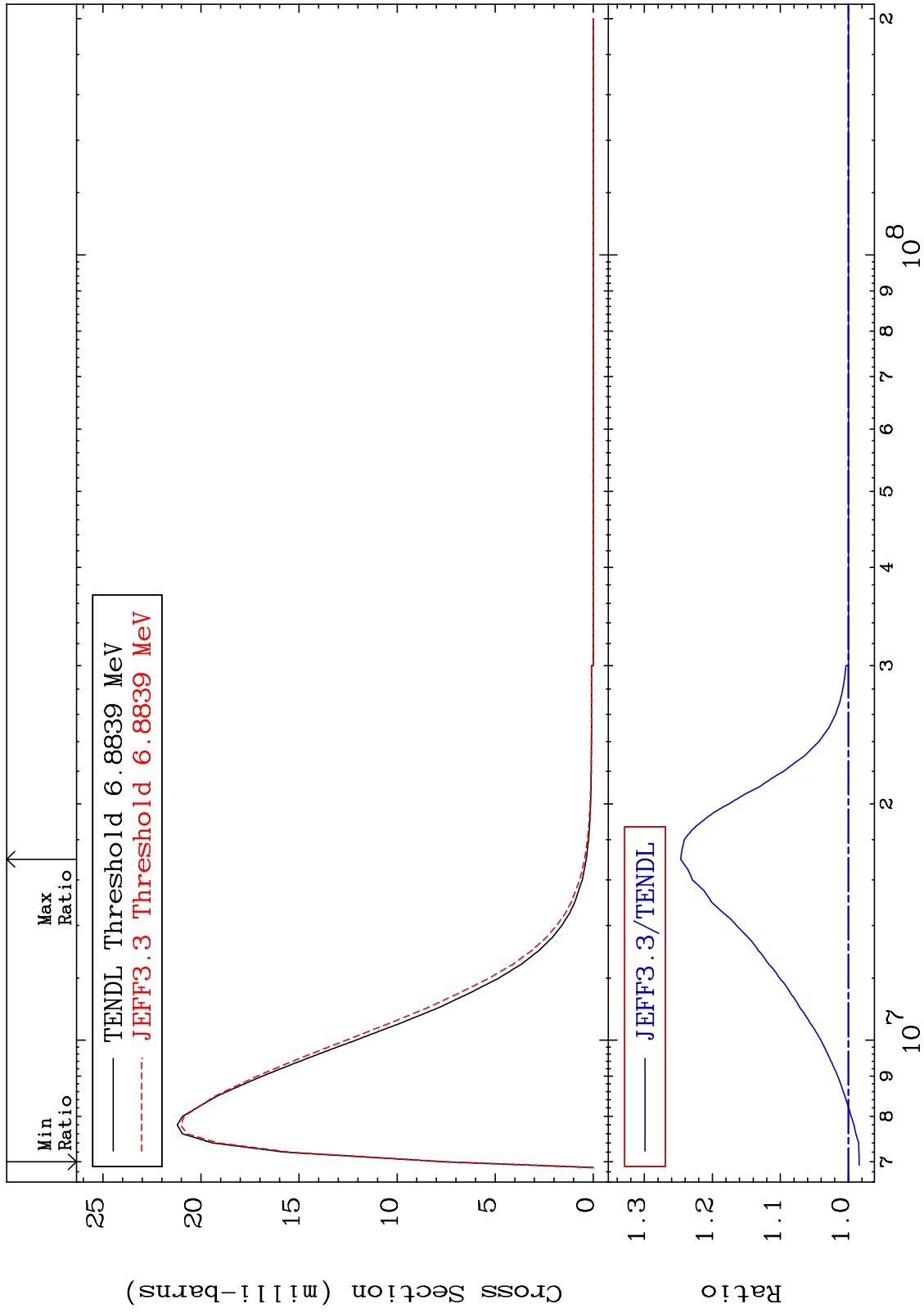
45

16-S -34

MAT 1631

MT= 79 (n,n') Level  
Cross Section

16-S -34  
-1.587 To 24.67 %



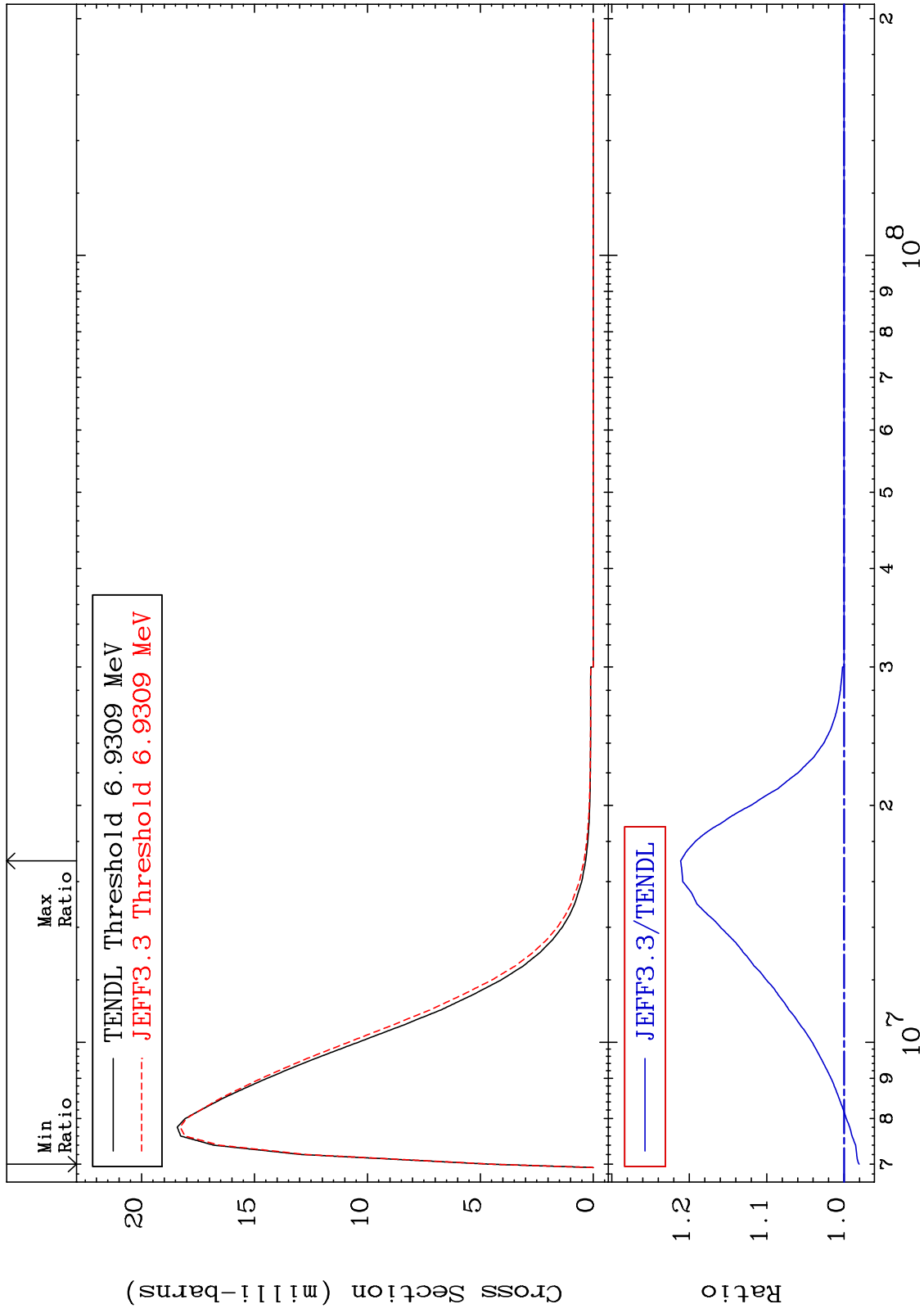
46

16-S -34

MAT 1631

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

16-S -34  
-1.939 To 21.11 %



47

Incident Energy (eV)

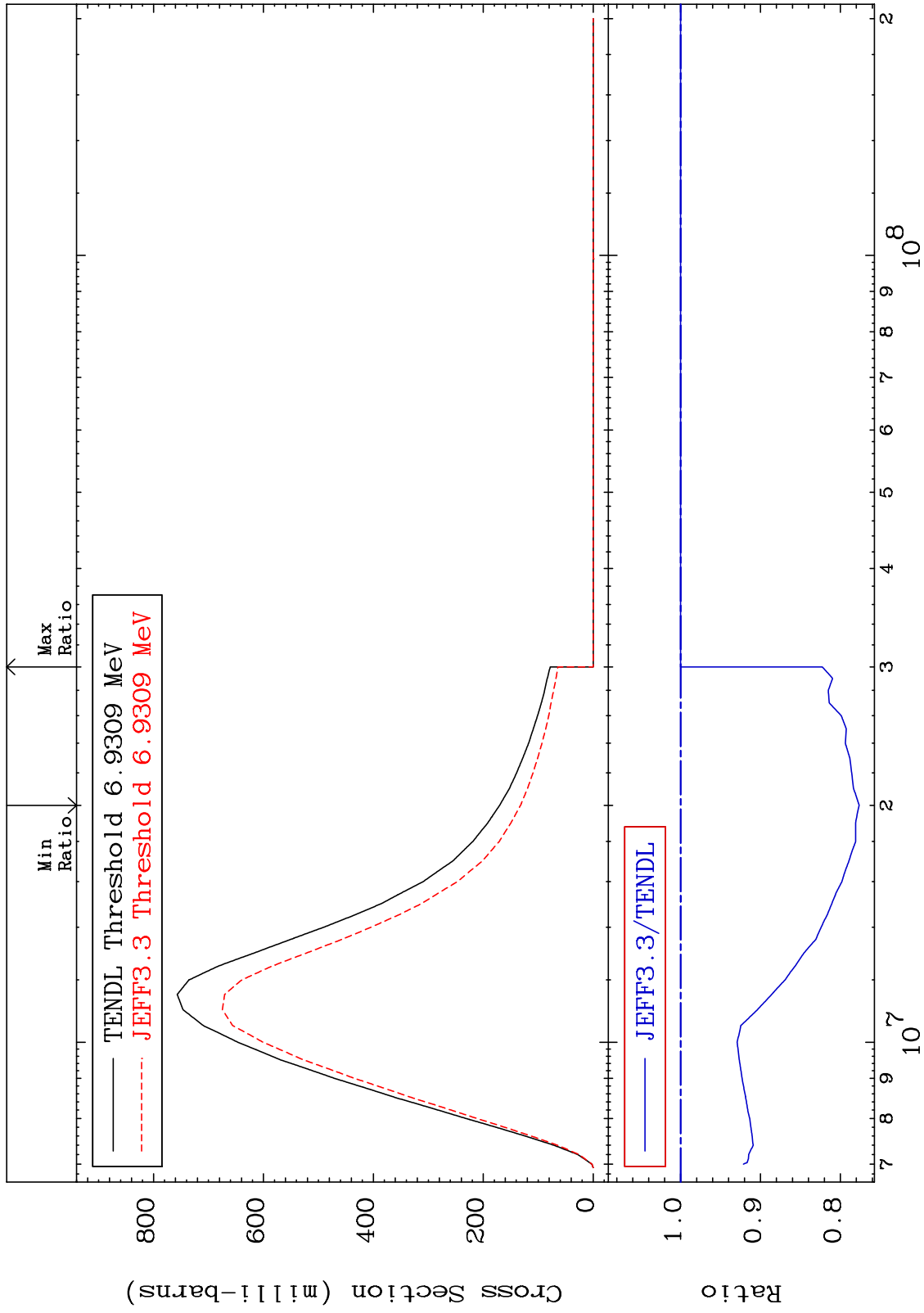
16-S -34



MAT 1631

(n, n') Continuum  
Cross Section

16-S -34  
-22.35 To 0.000 %



48

16-S -34

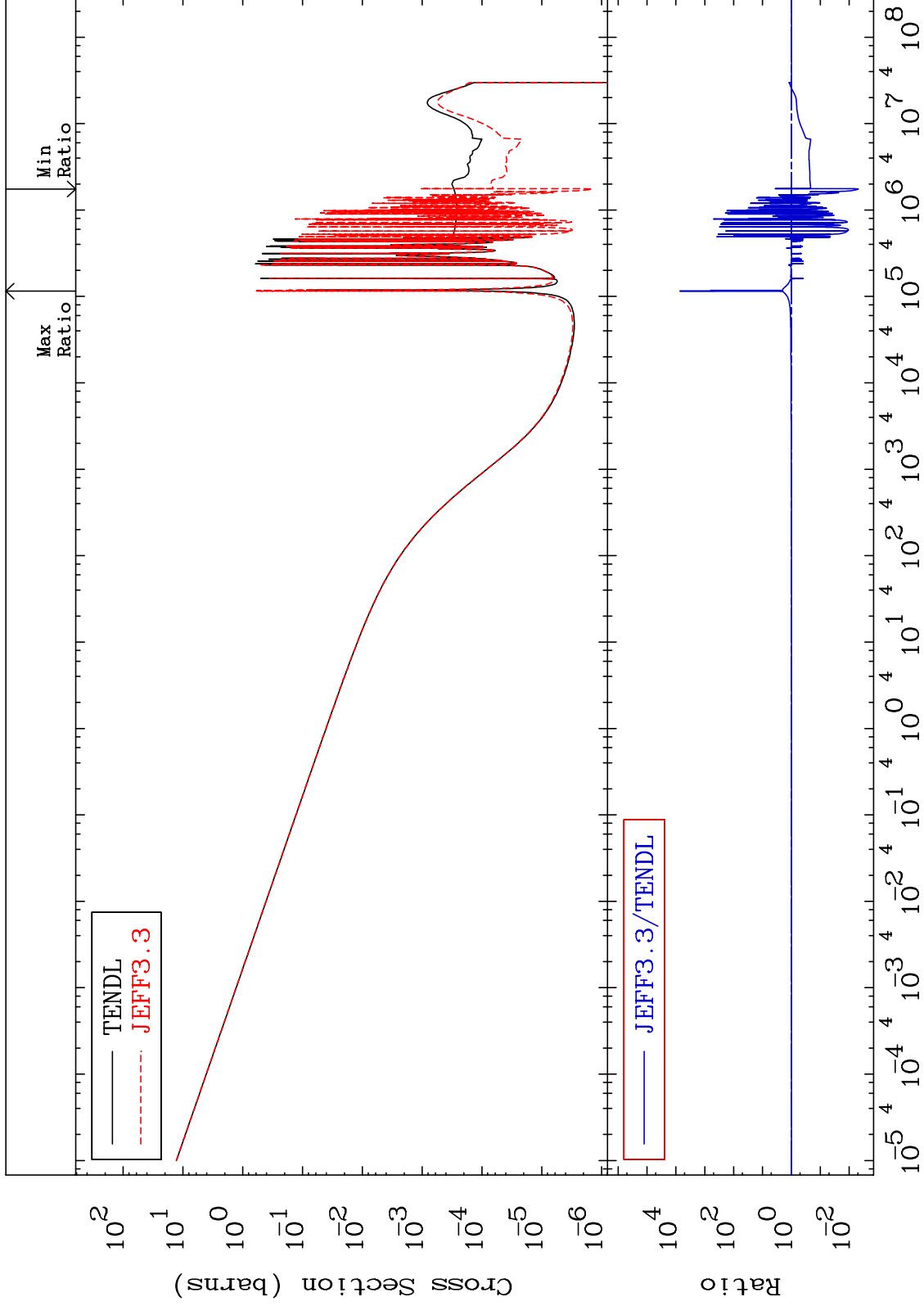
MAT 1631

(n,  $\gamma$ )

16-S -34

Cross Section

-99.52 To 9999. %



49

Incident Energy (eV)

16-S -34

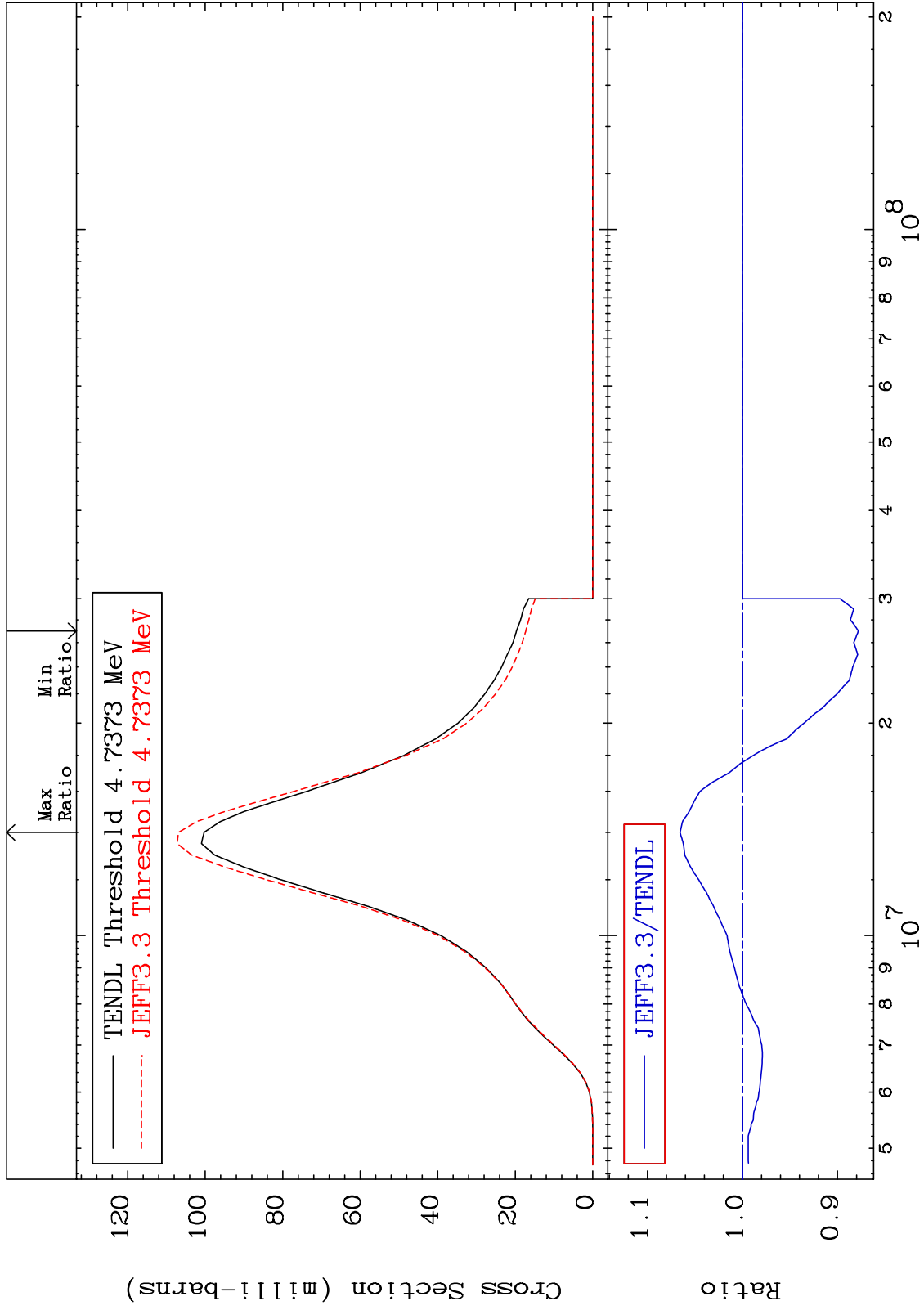
MAT 1631

(n,p)

16-S -34

-12.20 To 6.567 %

Cross Section



50

Incident Energy (eV)

16-S -34

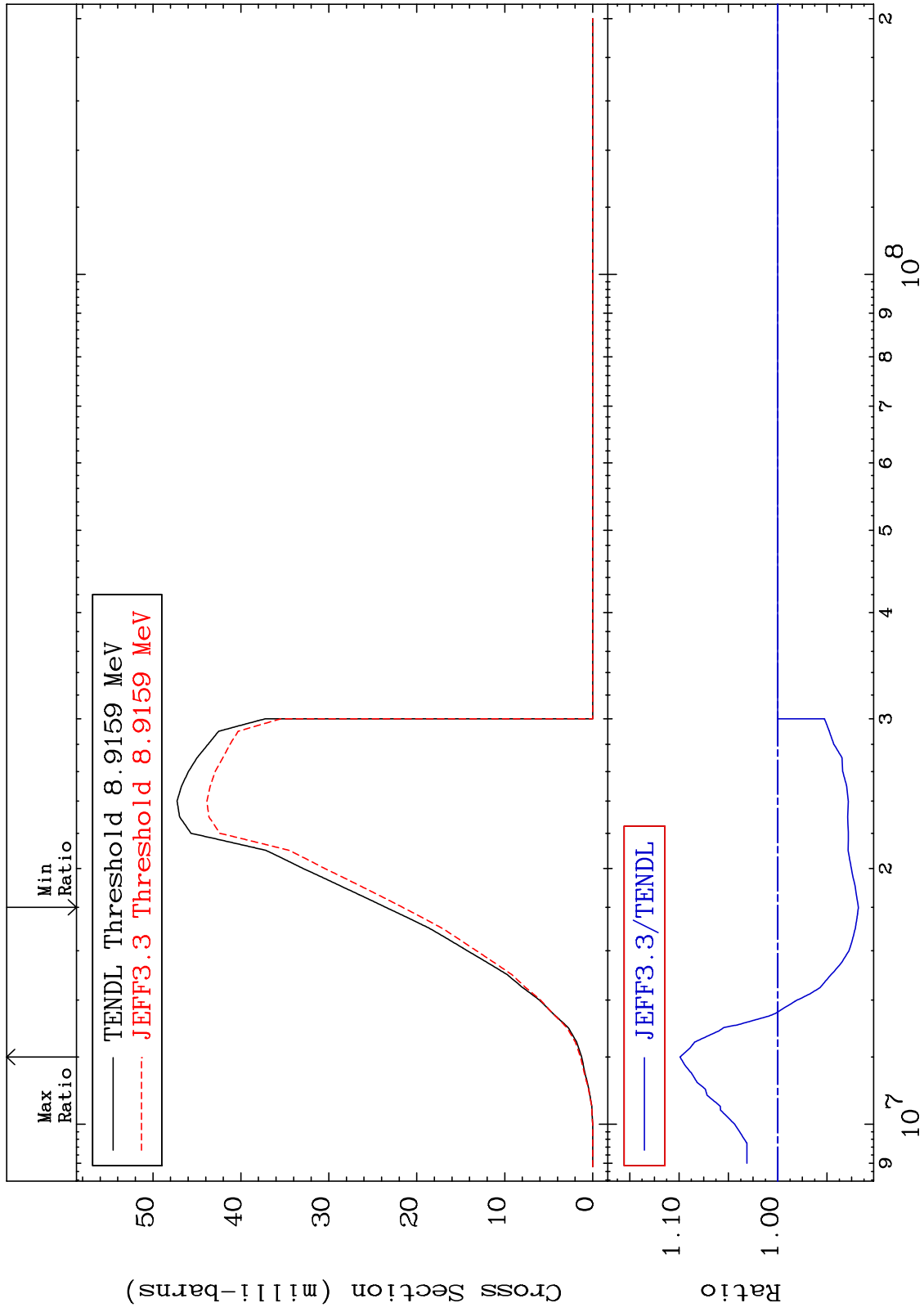
MAT 1631

(n,d)

16-S -34

Cross Section

-8.186 To 9.903 %



51

16-S -34

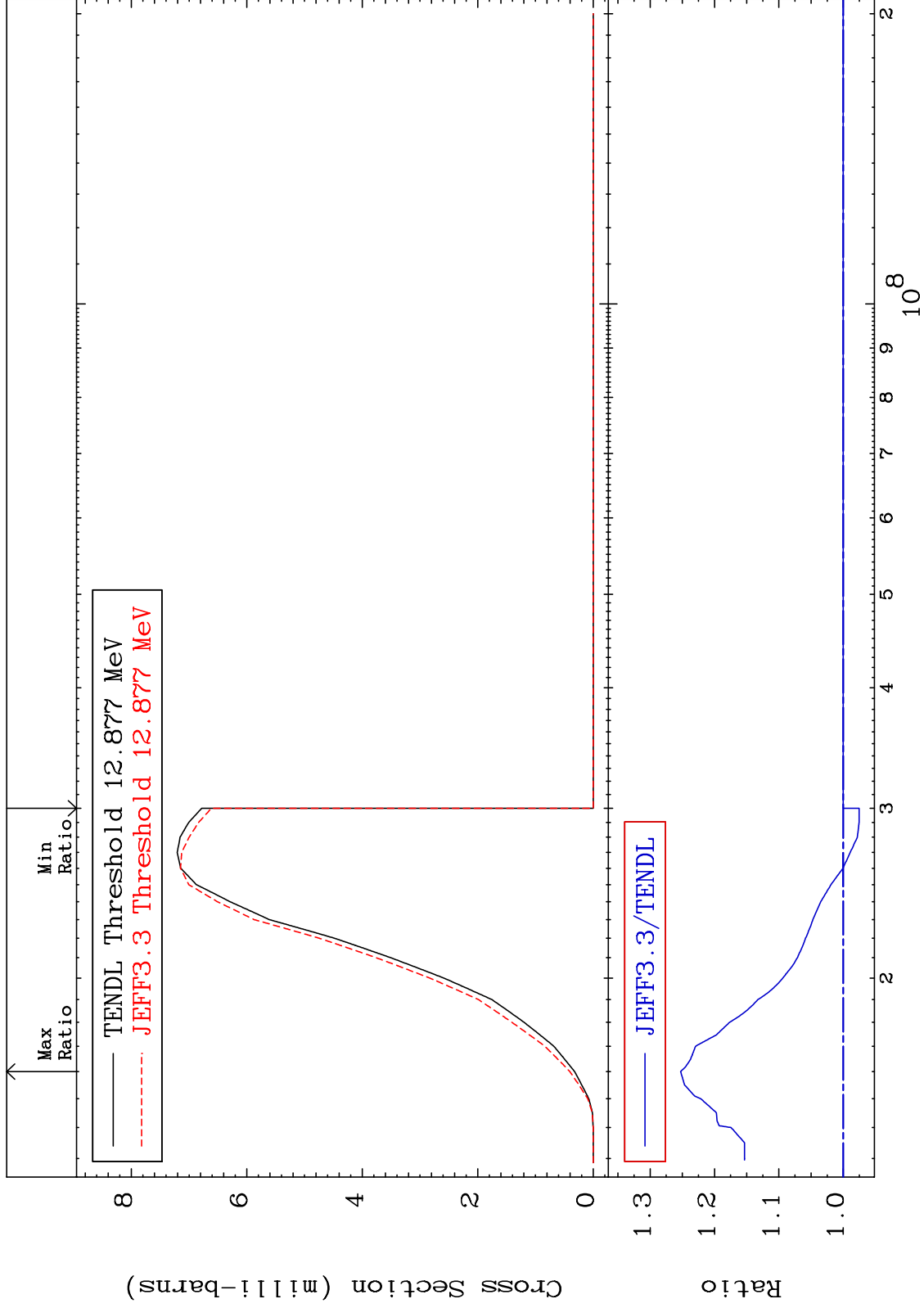
MAT 1631

(n, t)

16-S -34

Cross Section

-2.468 To 25.26 %



52

Incident Energy (eV)

16-S -34

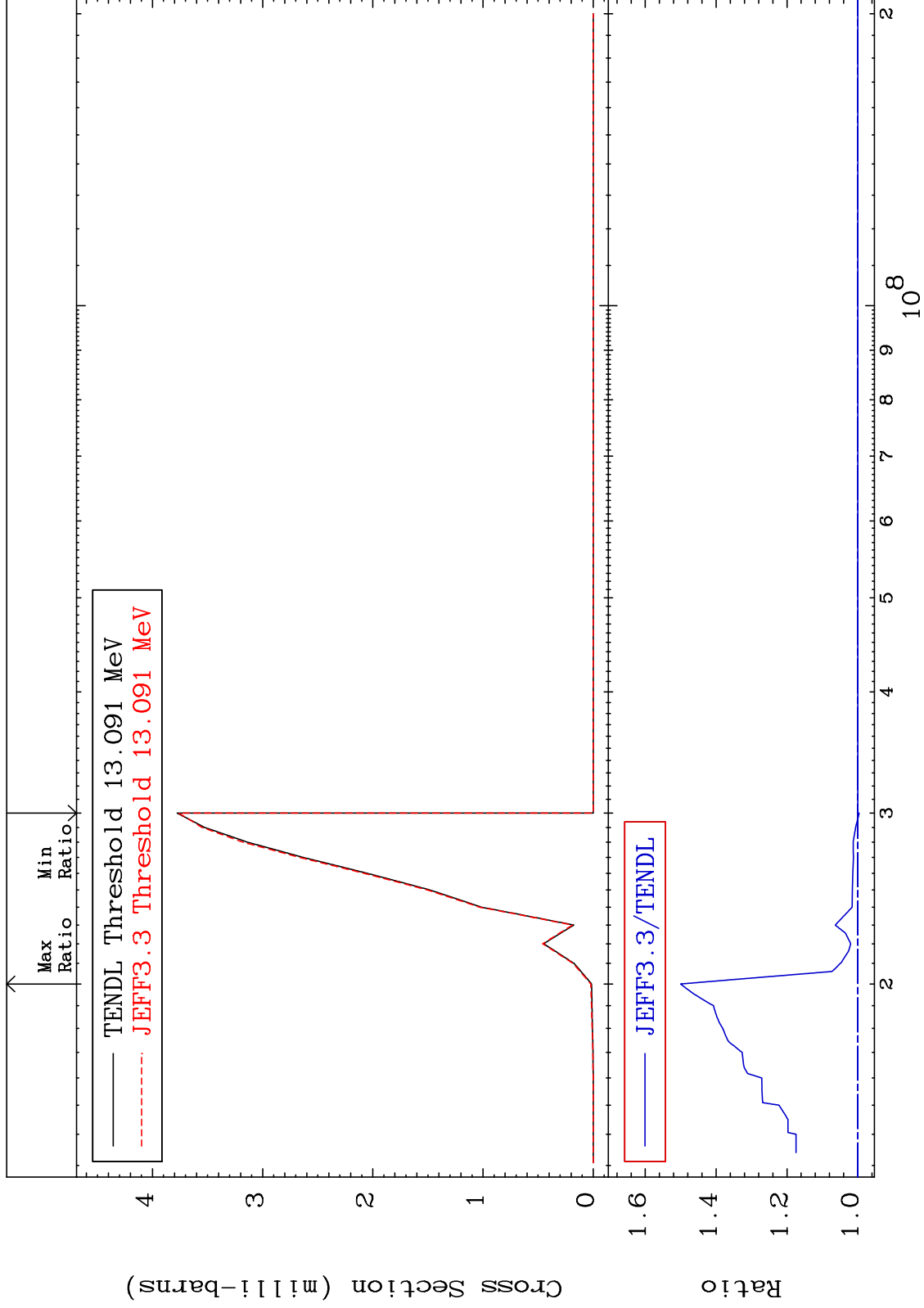
MAT 1631

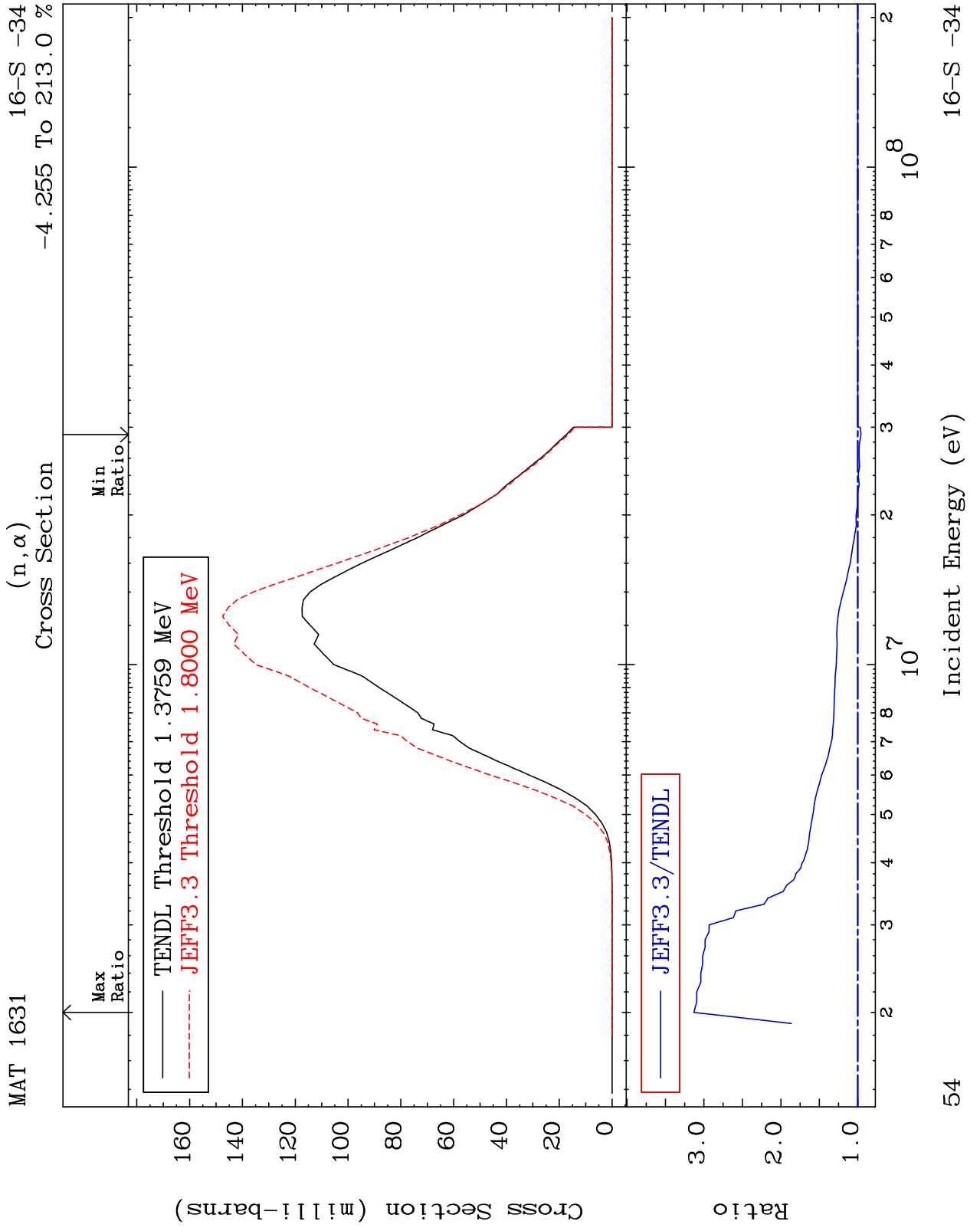
(n, He-3)

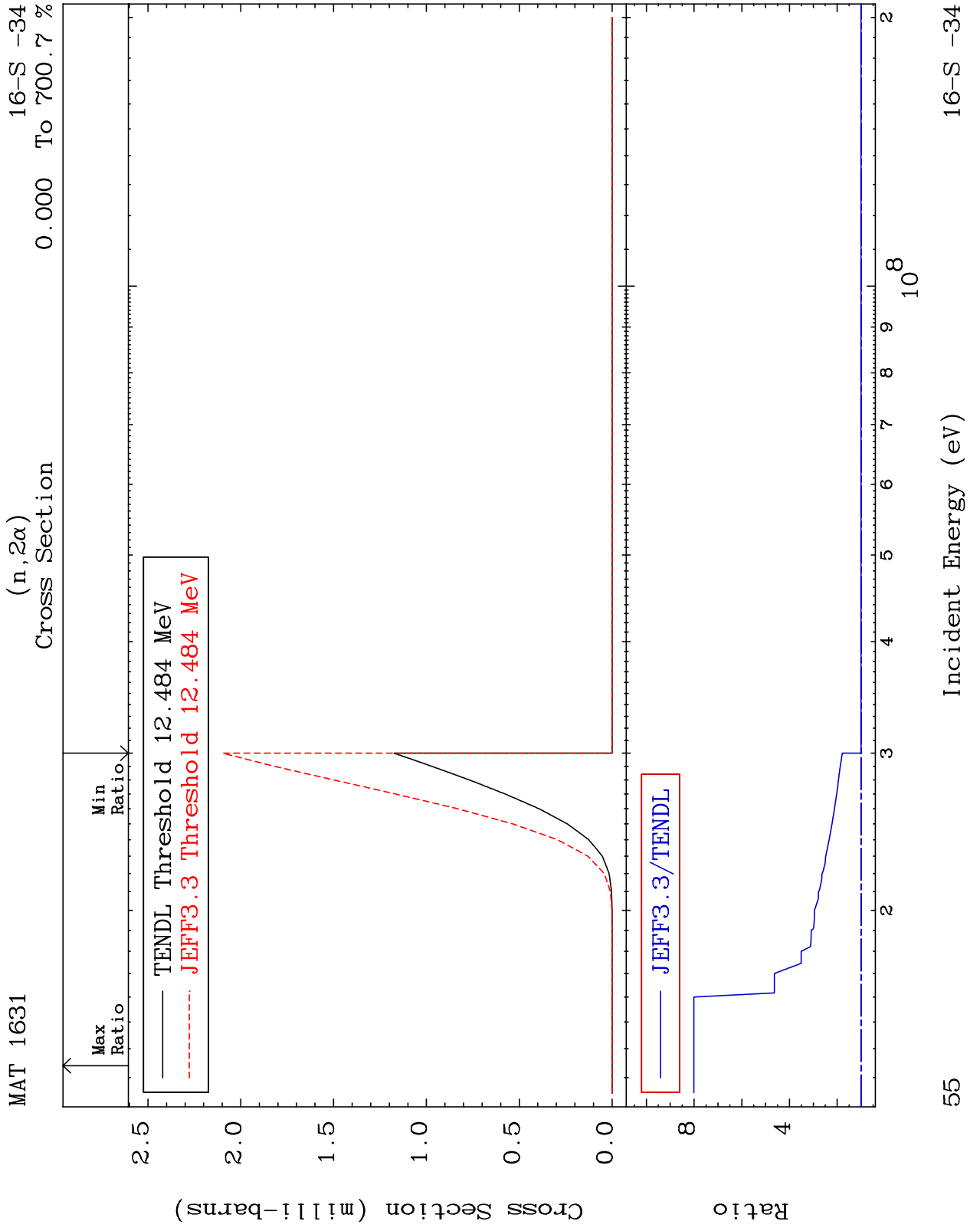
16-S -34

Cross Section

-0.375 To 50.02 %









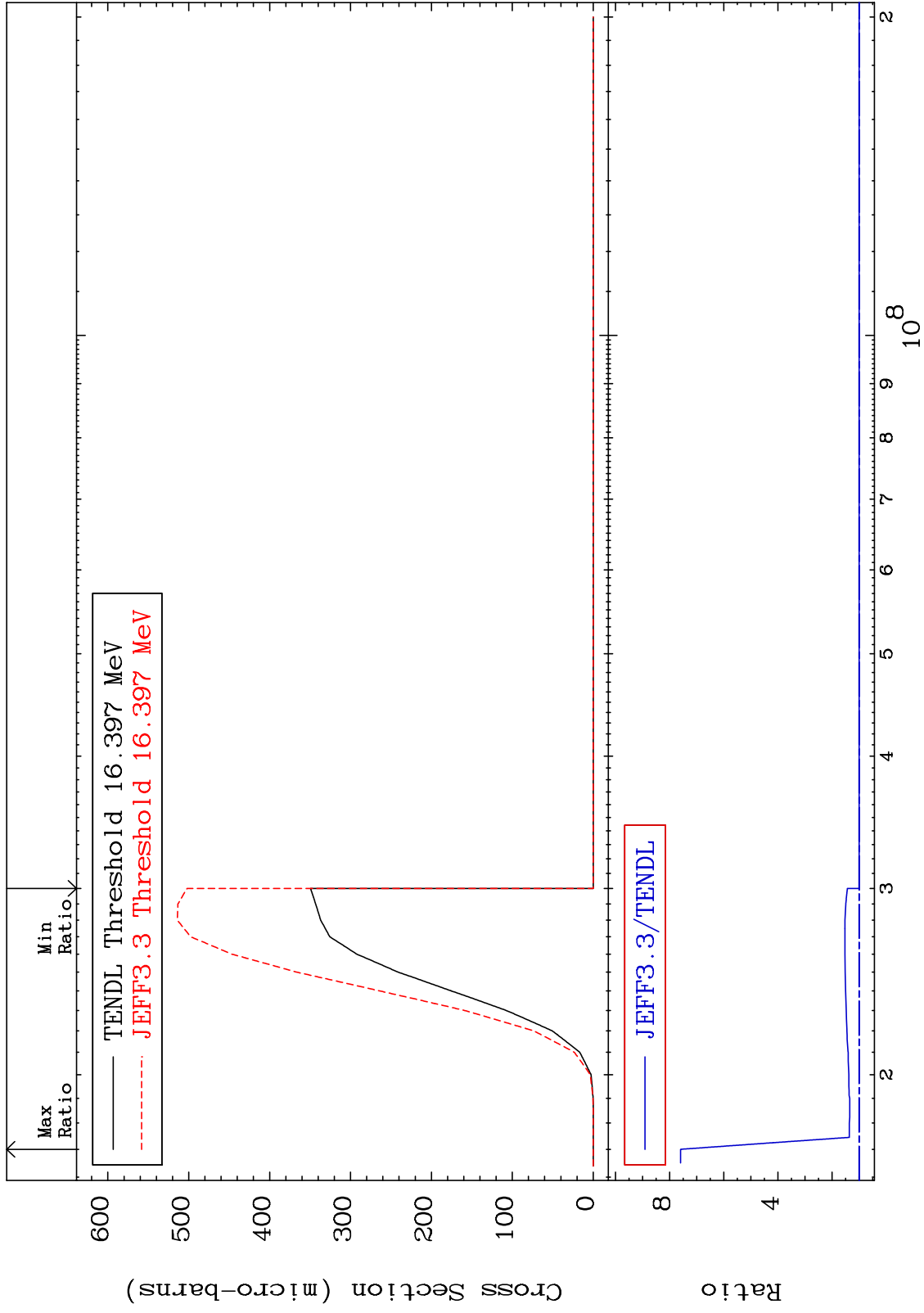
MAT 1631

(n,2p)

16-S -34

Cross Section

0.000 To 659.7 %



56

16-S -34

MAT 1631

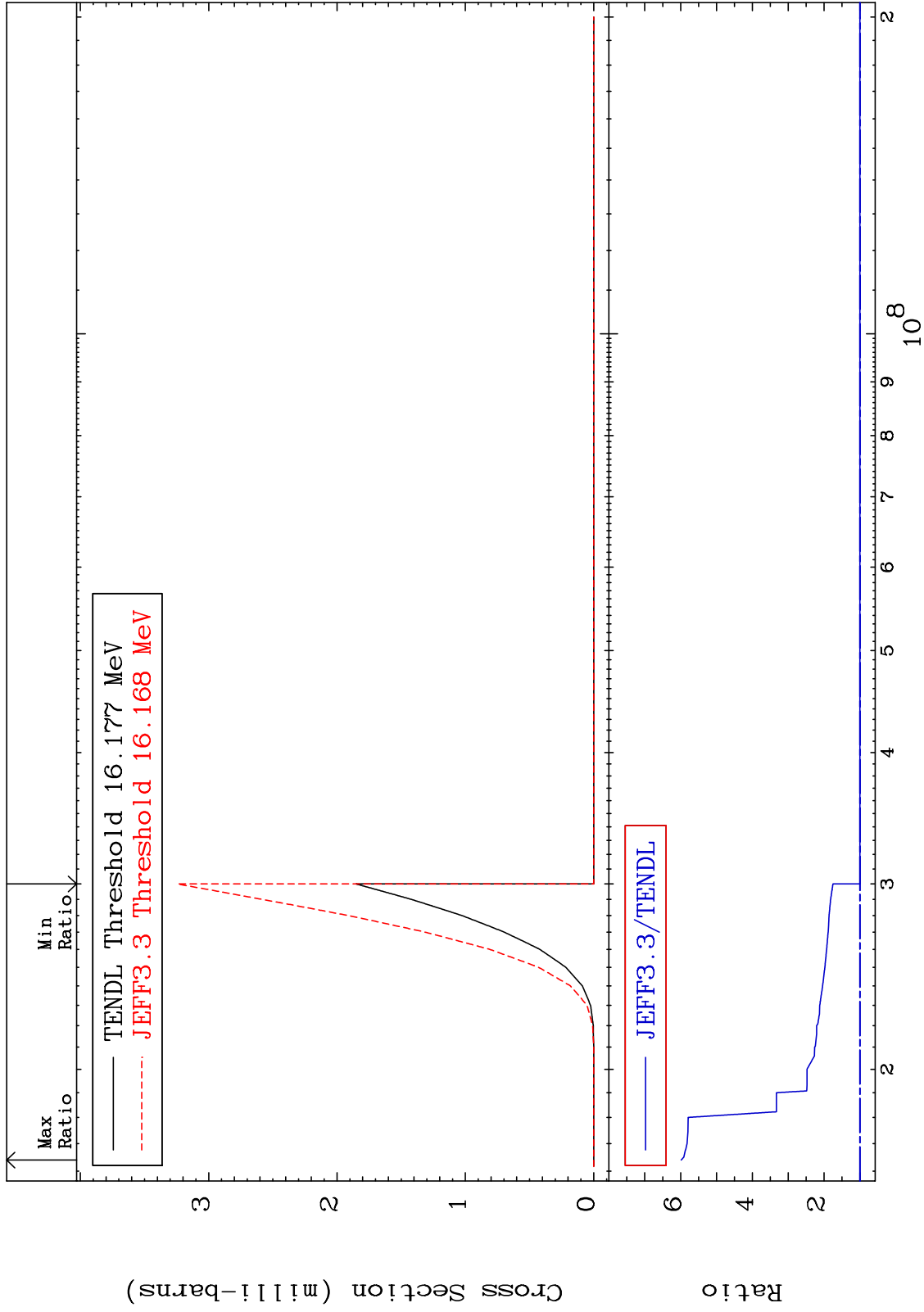
(n,p)  $\alpha$

16-S -34

Cross Section

0.000

To 498.4 %



57

Incident Energy (eV)

16-S -34

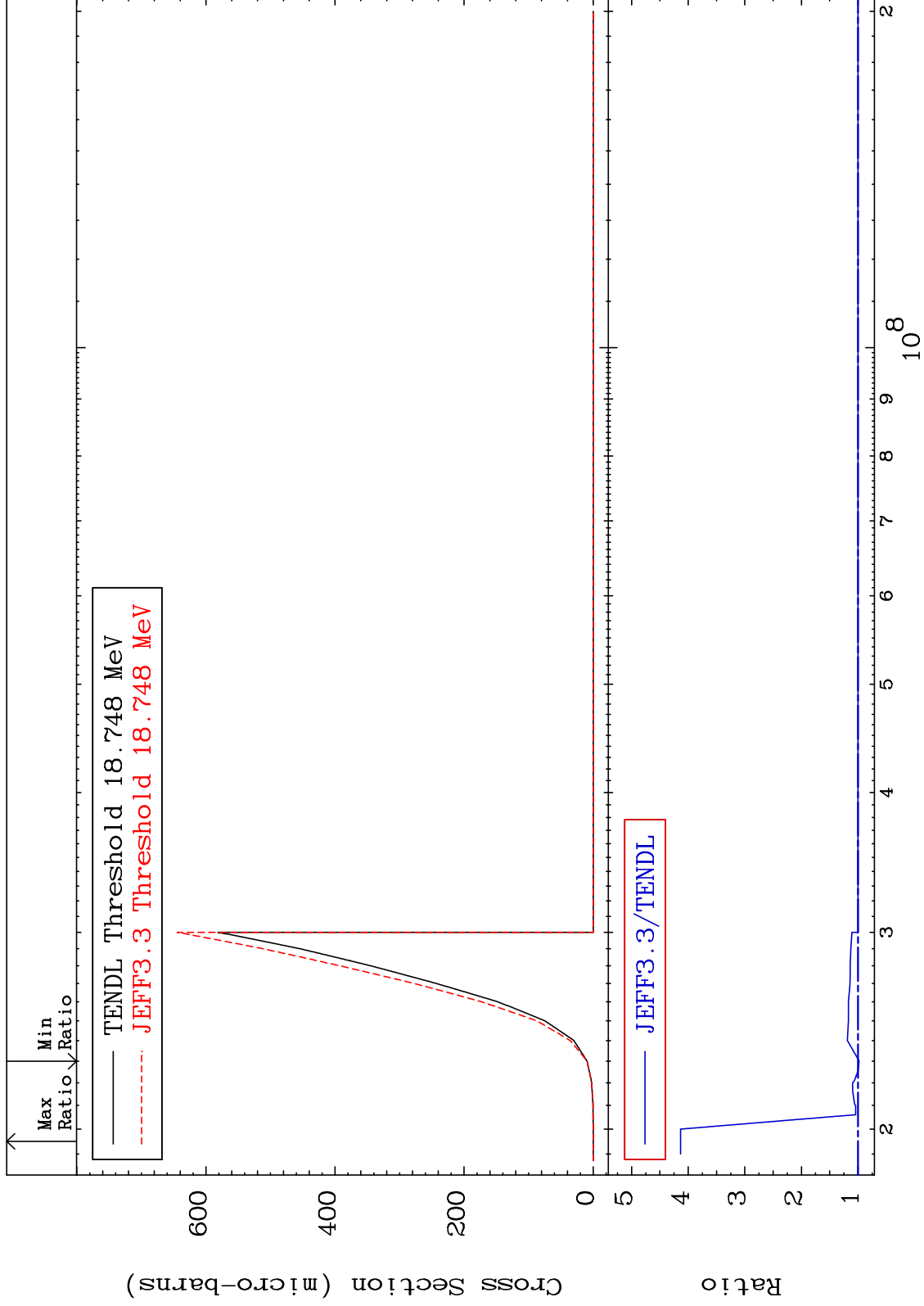
MAT 1631

(n,p) d

16-S -34

Cross Section

-2.038 To 313.4 %



58

Incident Energy (eV)

16-S -34

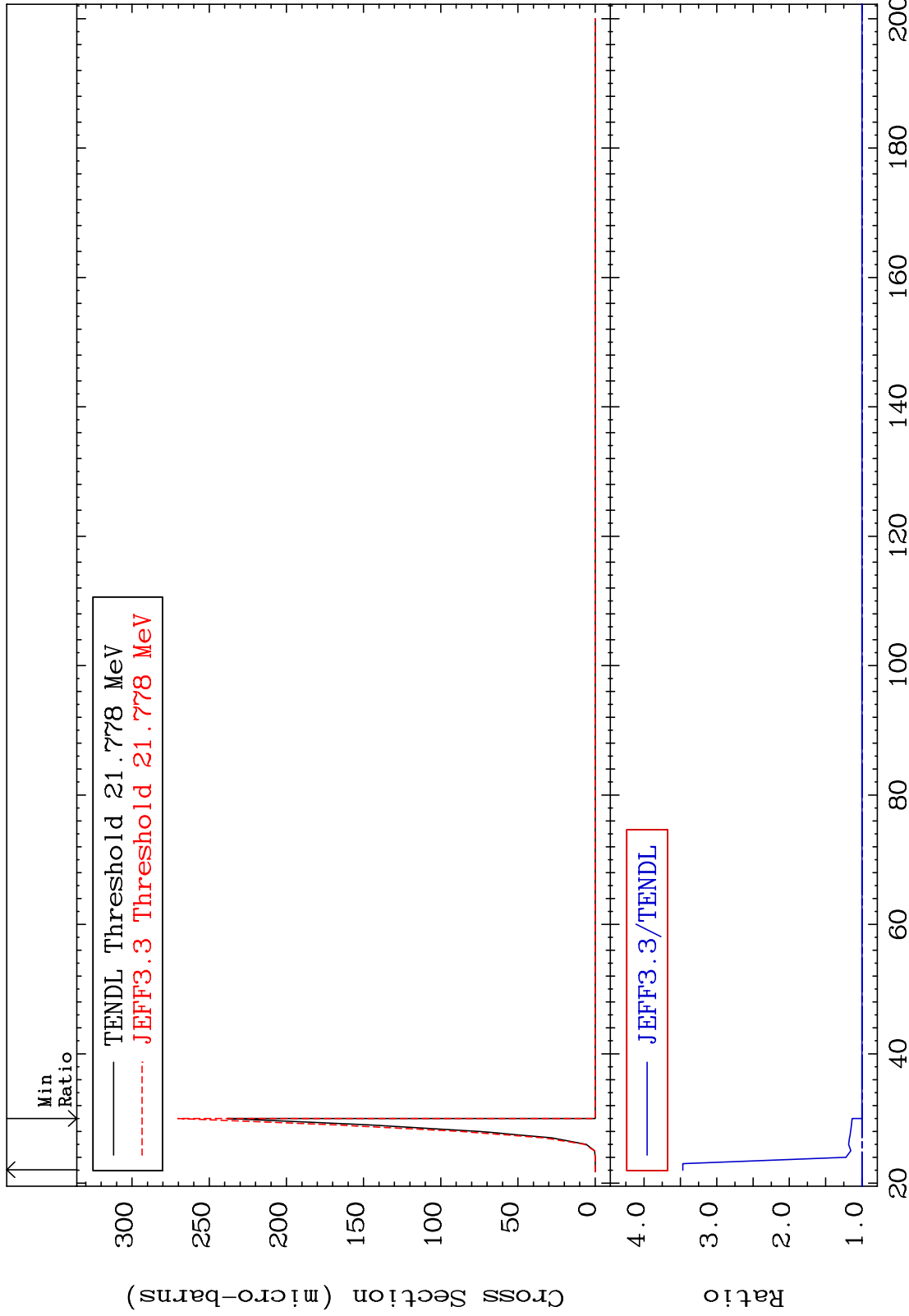
MAT 1631

(n,p) t

16-S -34

Cross Section

0.000 To 246.6 %



16-S -34

Incident Energy (MeV)

59

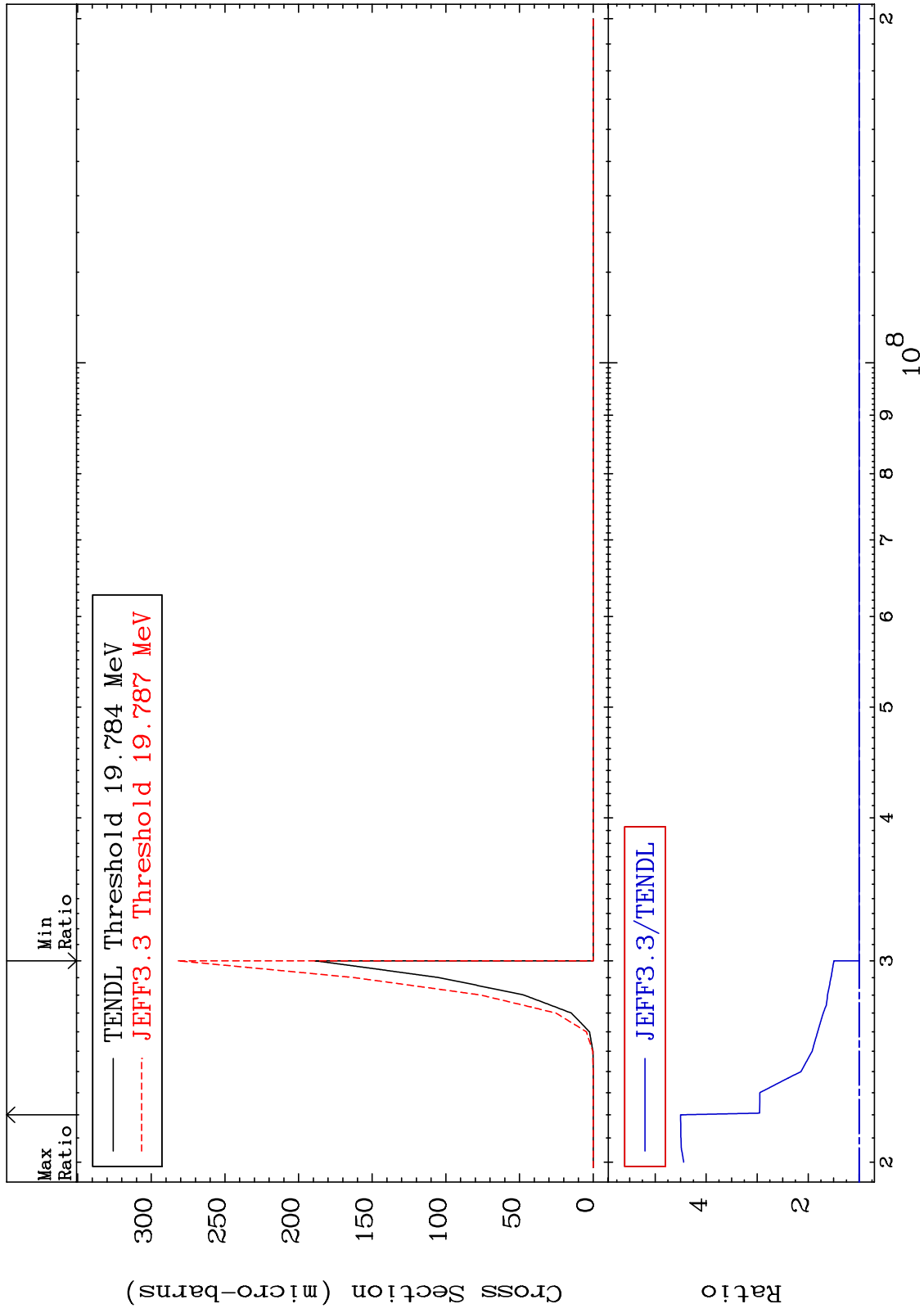
MAT 1631

(n,d)  $\alpha$

16-S -34

Cross Section

0.000 To 350.0 %



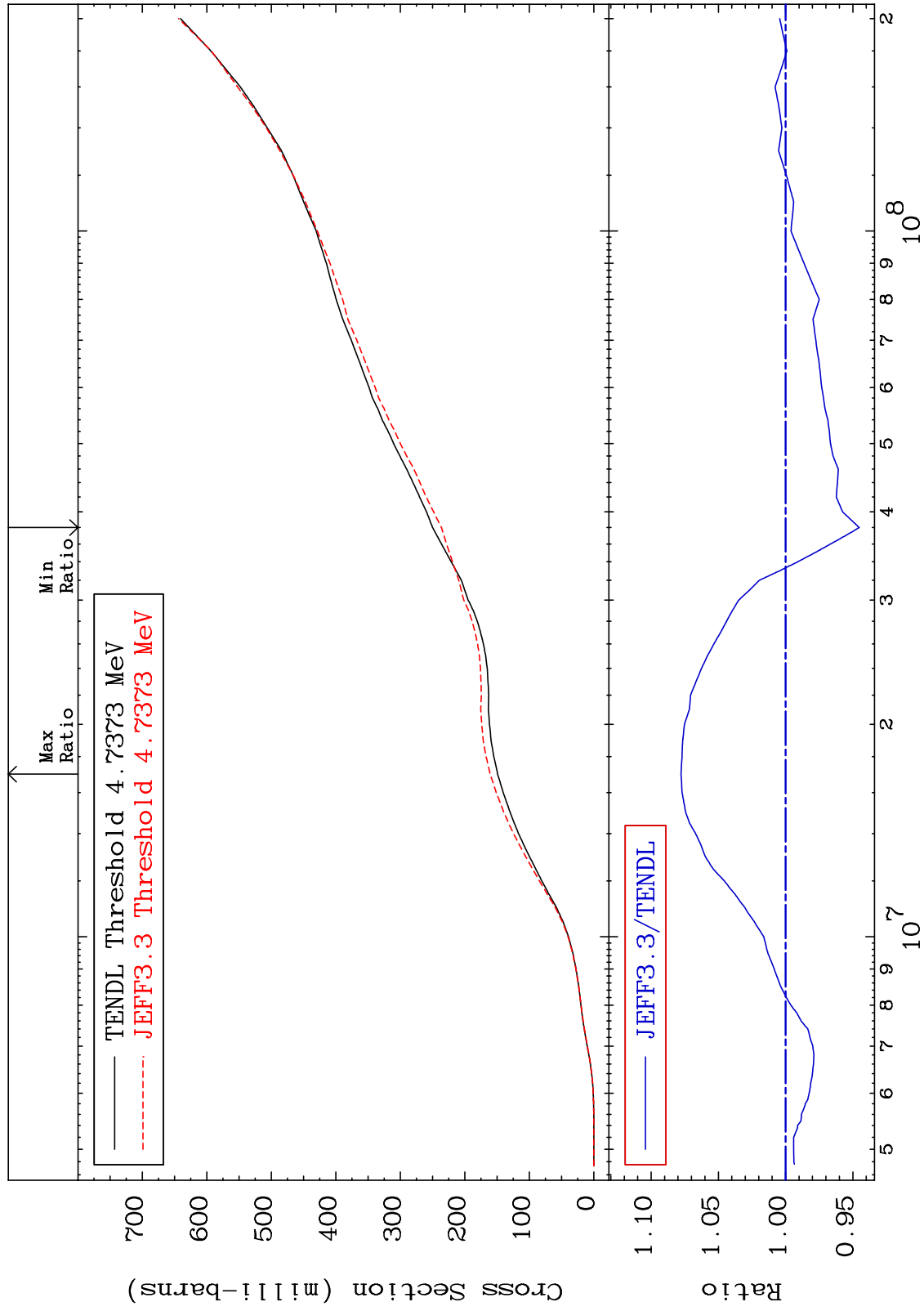
60

16-S -34

MAT 1631

Hydrogen Production  
Cross Section

16-S -34  
-5.480 To 7.775 %



61

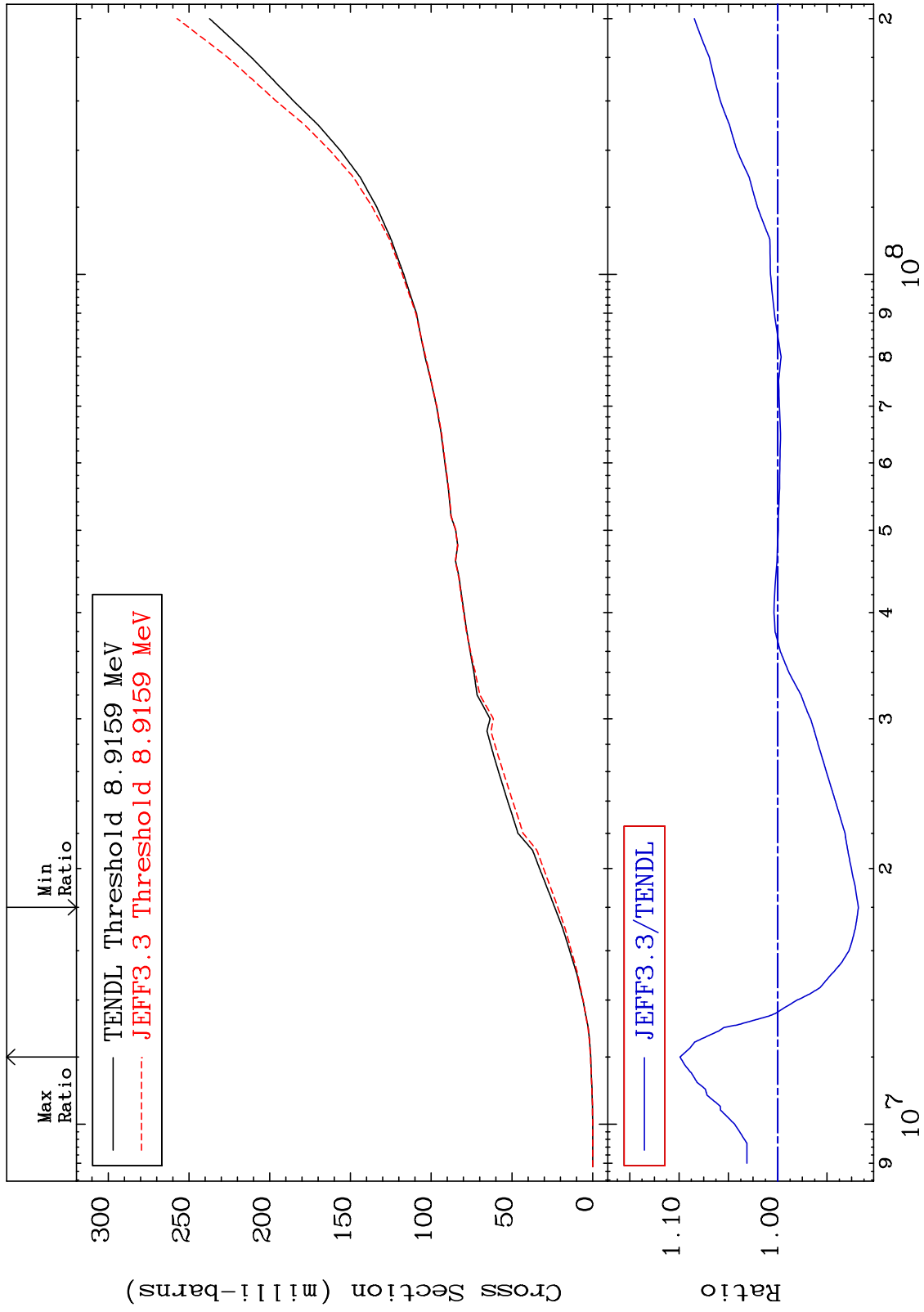
Incident Energy (eV)

16-S -34

MAT 1631

Deuterium Production  
Cross Section

16-S -34  
-8.186 To 9.903 %



62

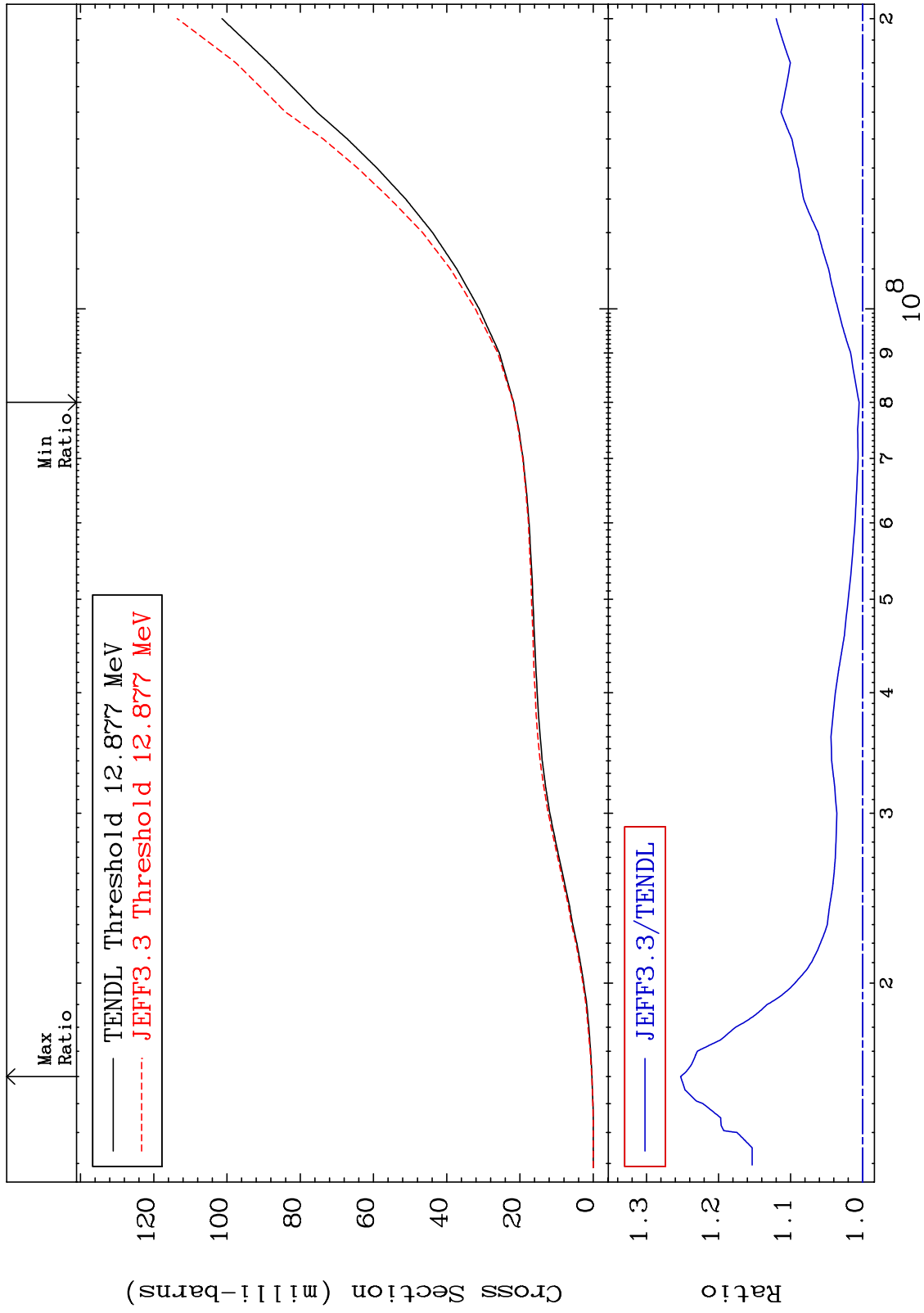
Incident Energy (eV)

16-S -34

MAT 1631

Tritium Production  
Cross Section

16-S -34  
0.482 To 25.26 %



63

Incident Energy (eV)

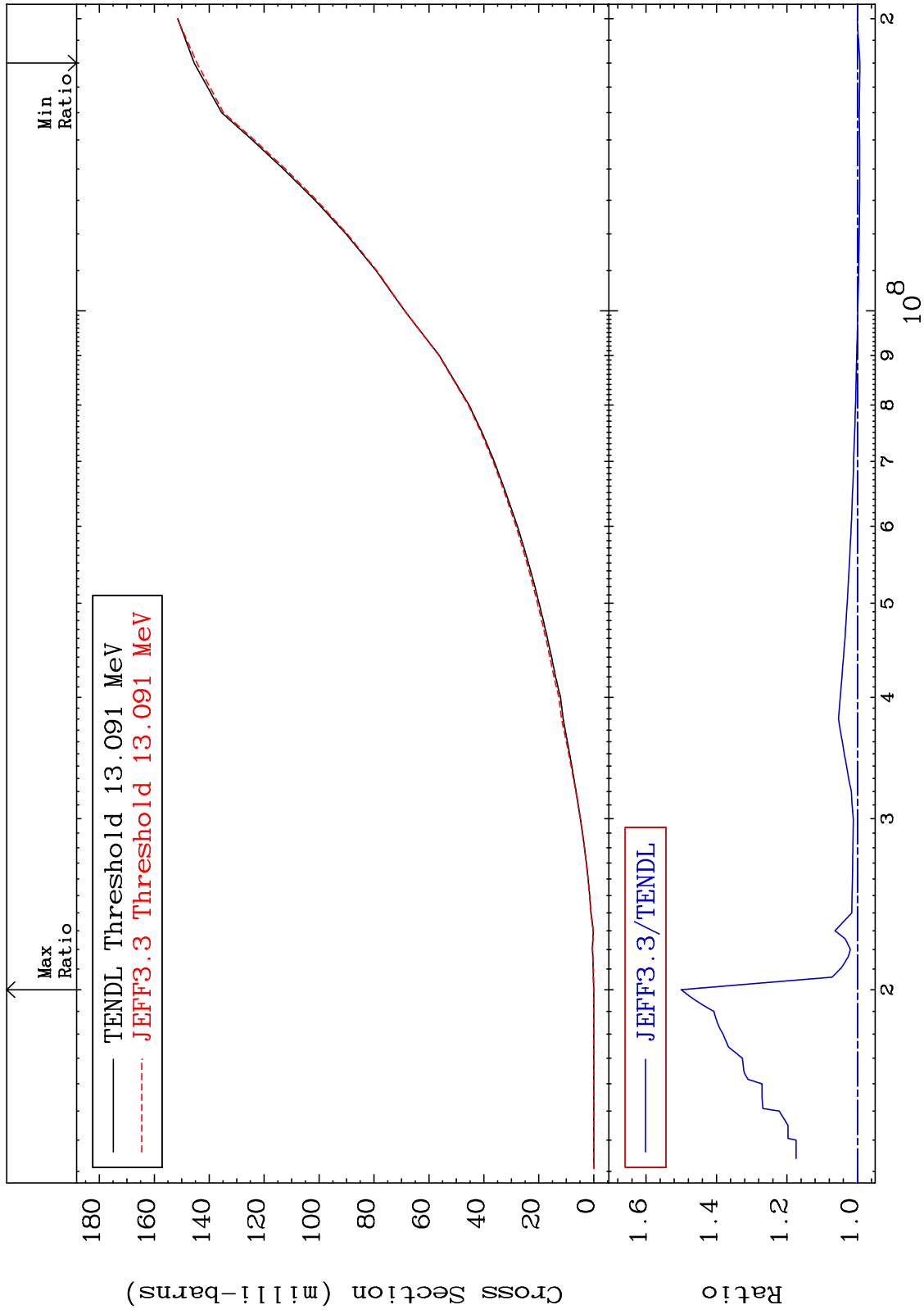
16-S -34



MAT 1631

He-3 Production  
Cross Section

16-S -34  
-0.697 To 50.02 %



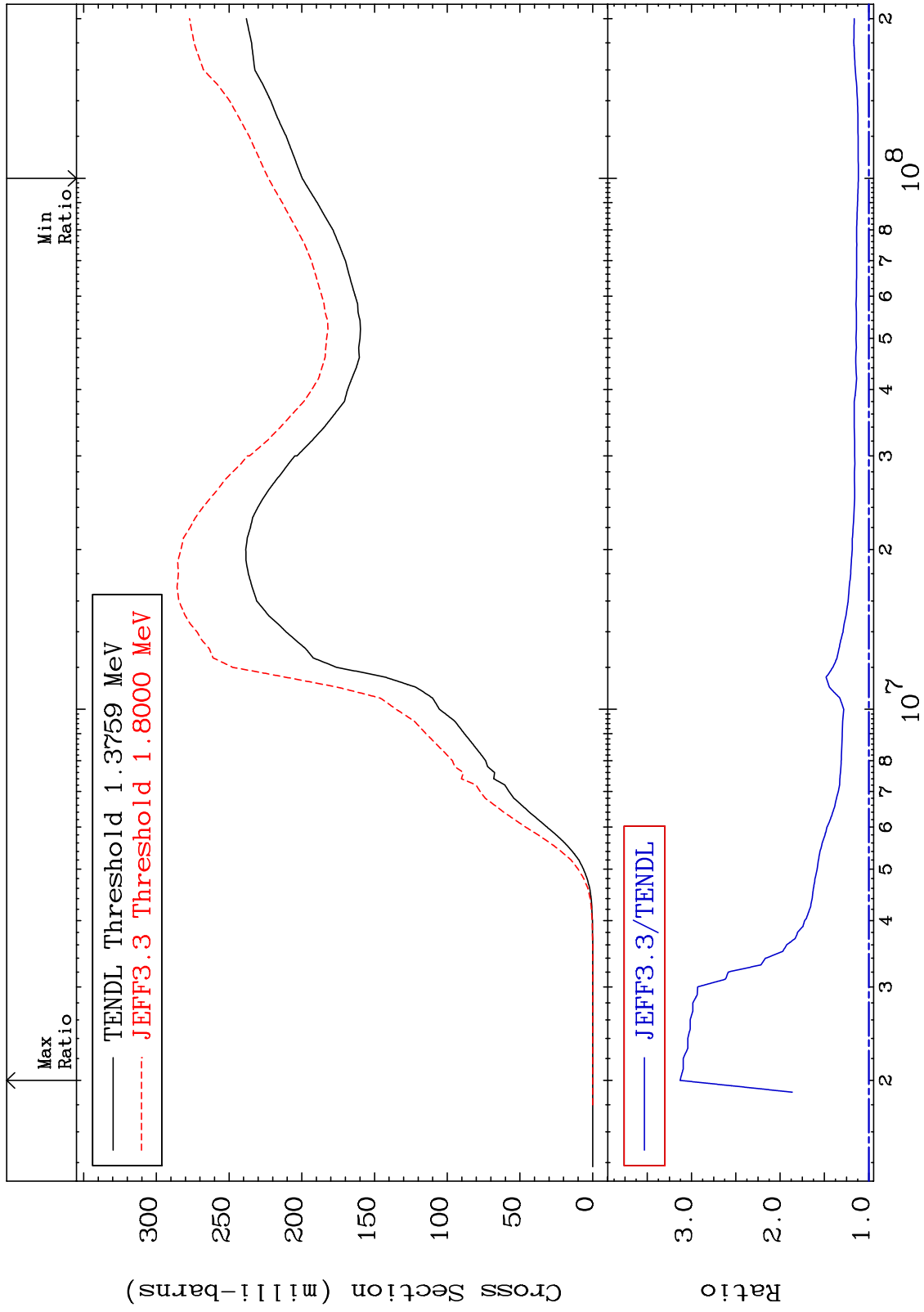
64

16-S -34

MAT 1631

He-4 Production  
Cross Section

16-S -34  
11.67 To 213.0 %



65

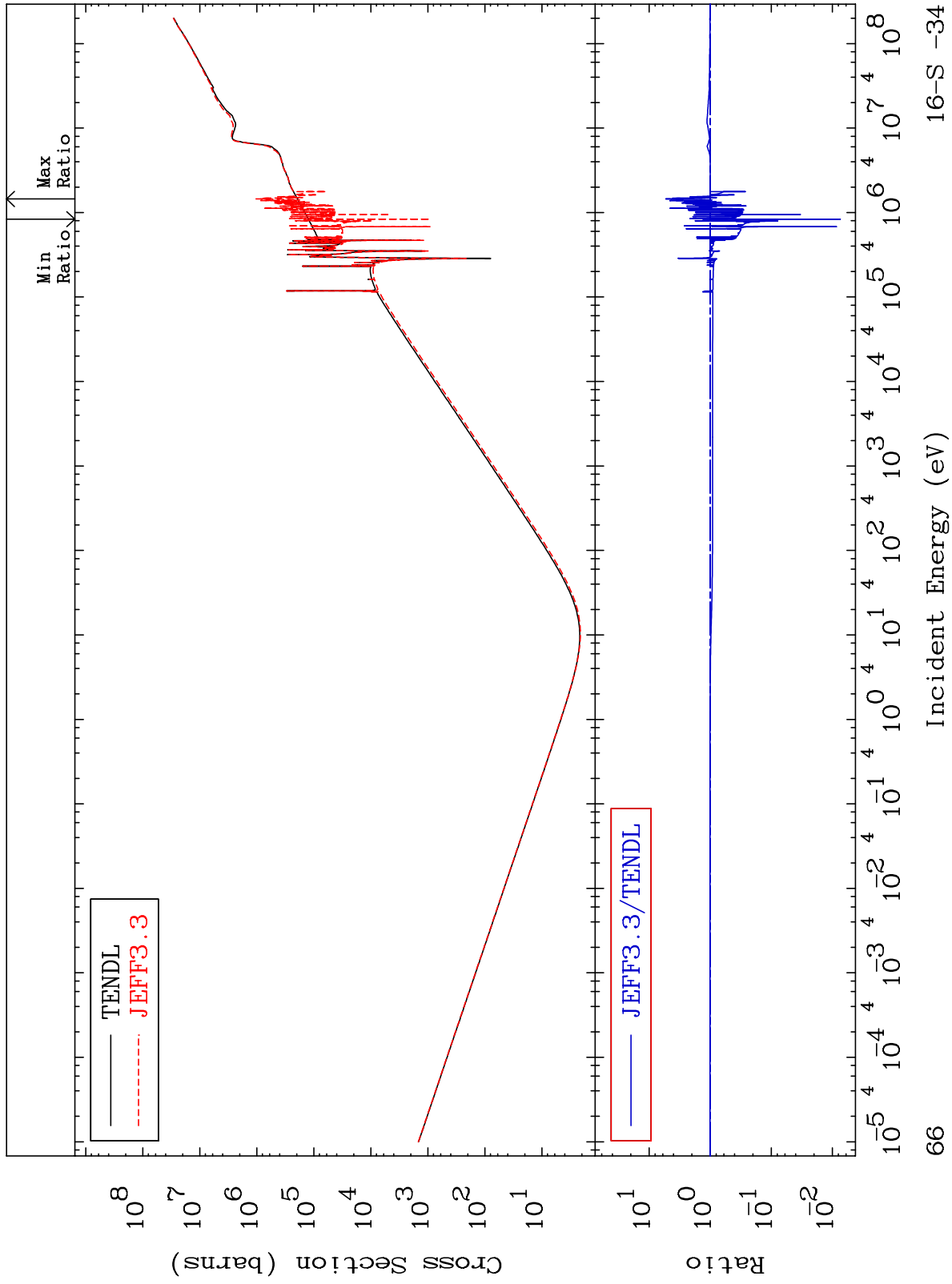
Incident Energy (eV)

16-S -34

MAT 1631

Kerma total (eV-barns)  
Cross Section

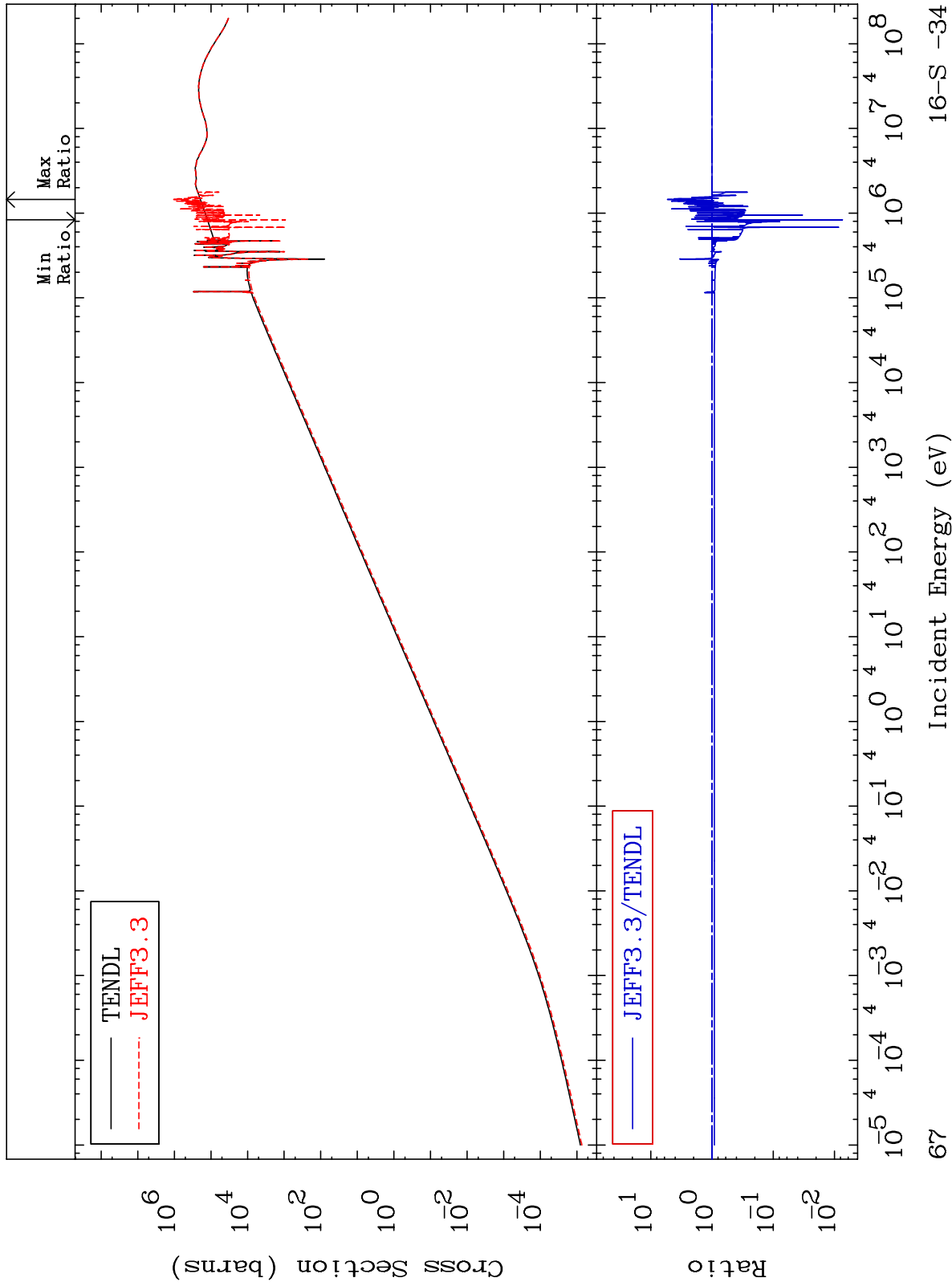
16-S -34  
-99.26 To 433.1 %



MAT 1631

Kerma elastic  
Cross Section

16-S -34  
-99.26 To 433.1 %



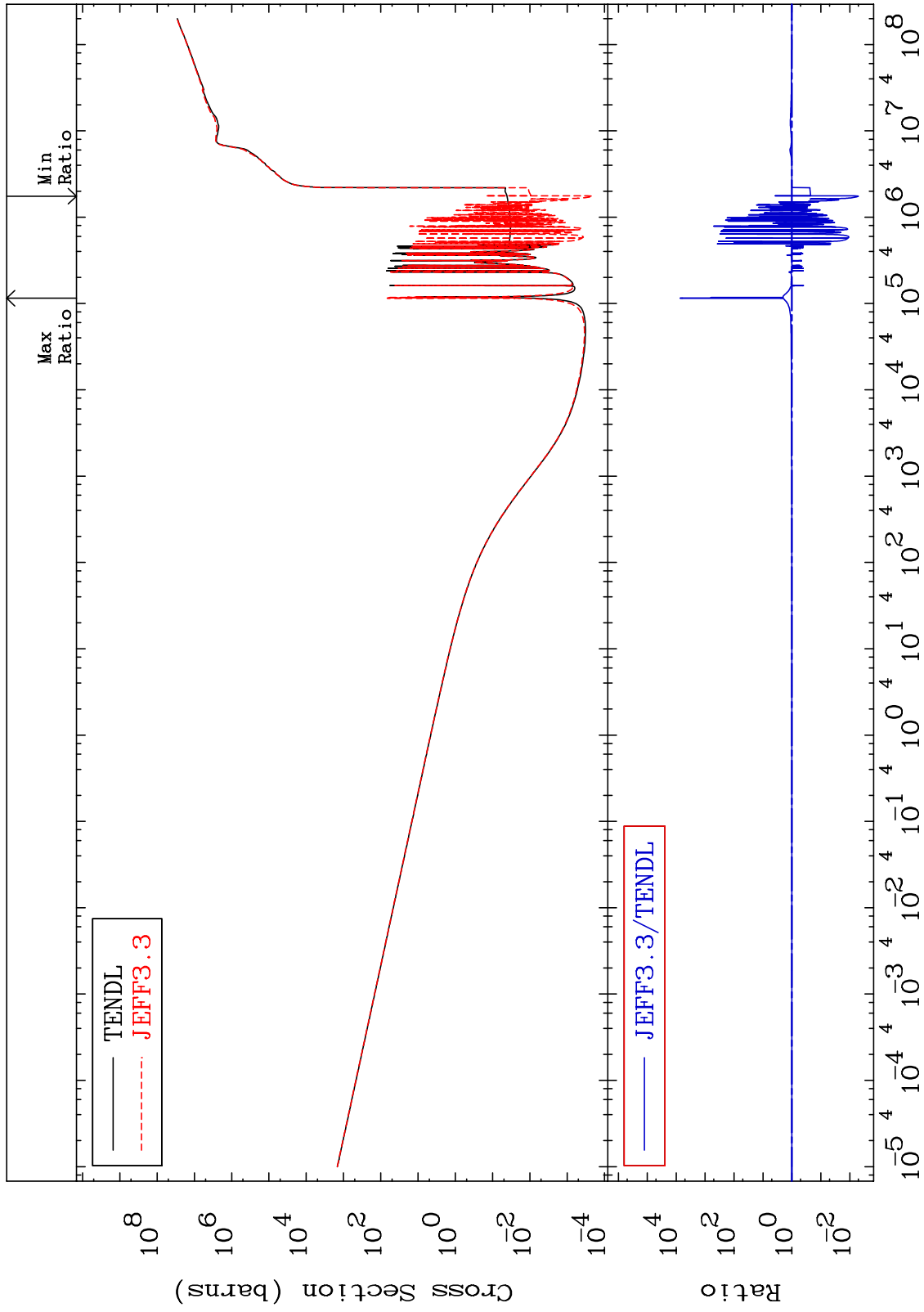
67

16-S -34

MAT 1631

Kerma non-elastic (all but mt2)  
Cross Section

16-S -34  
-99.50 To 9999. %



68

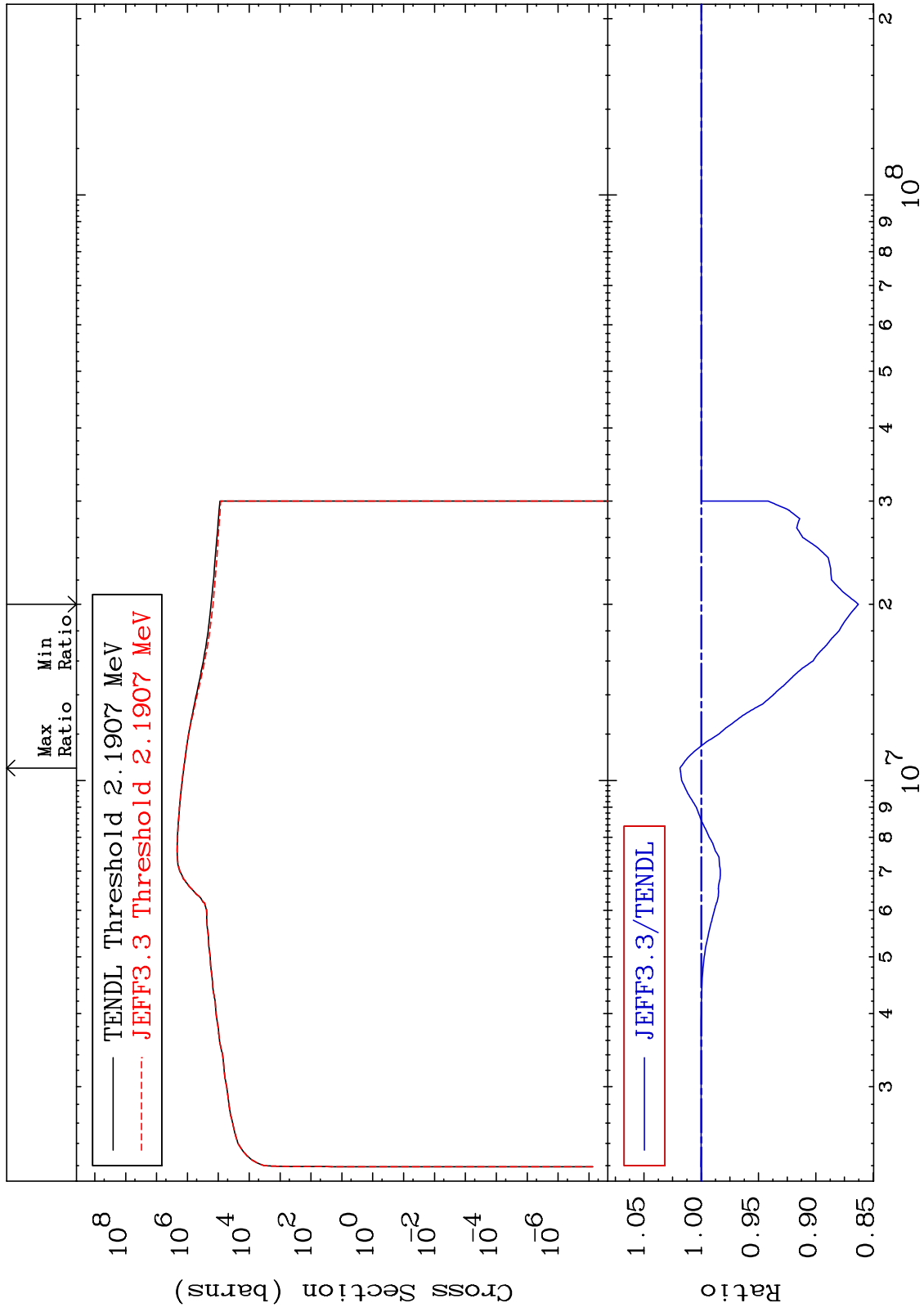
Incident Energy (eV)

16-S -34

MAT 1631

Kerma inelastic (mt51-91)  
Cross Section

16-S -34  
-13.72 To 1.851 %



69

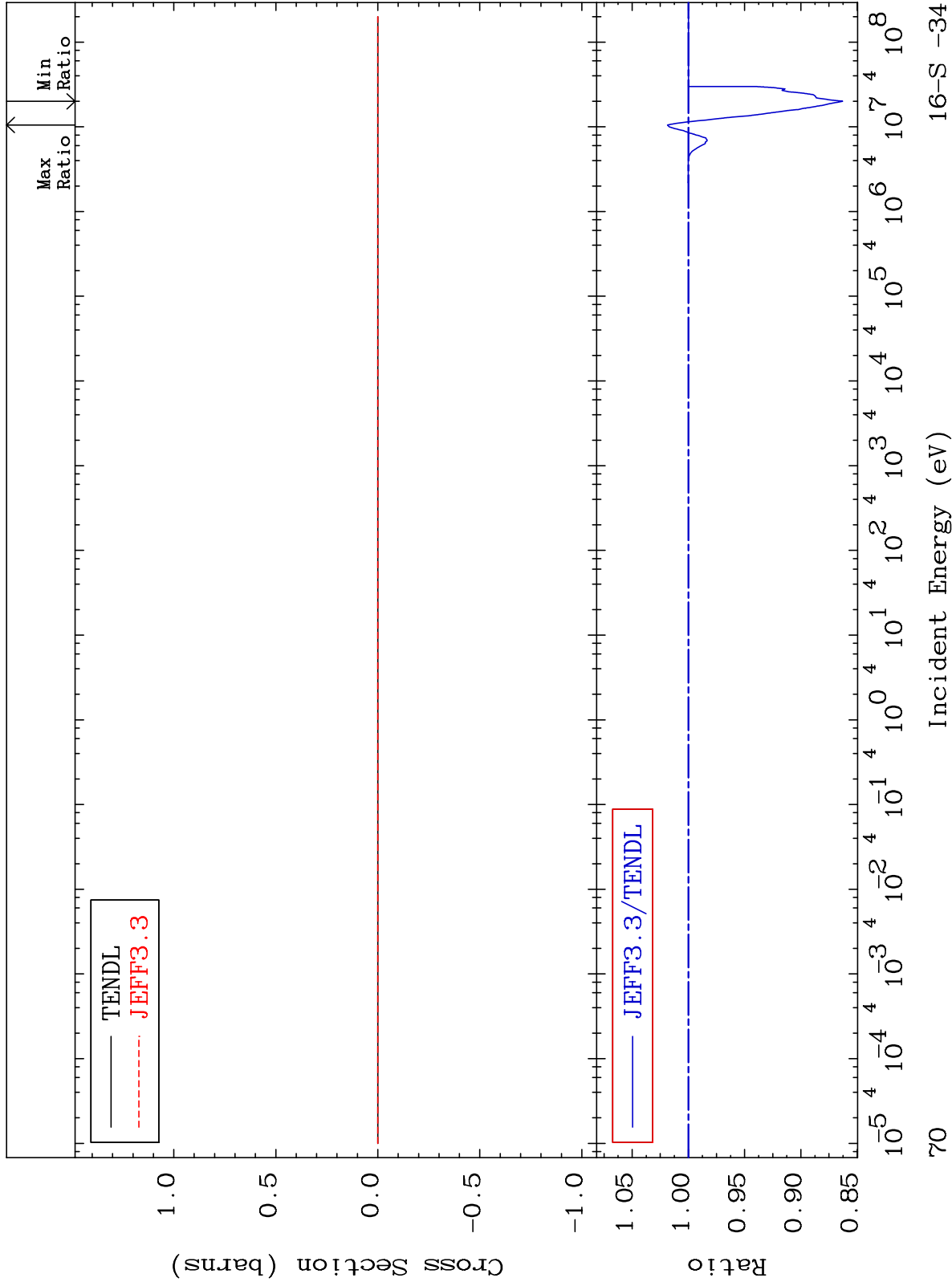
Incident Energy (eV)

16-S -34

MAT 1631

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

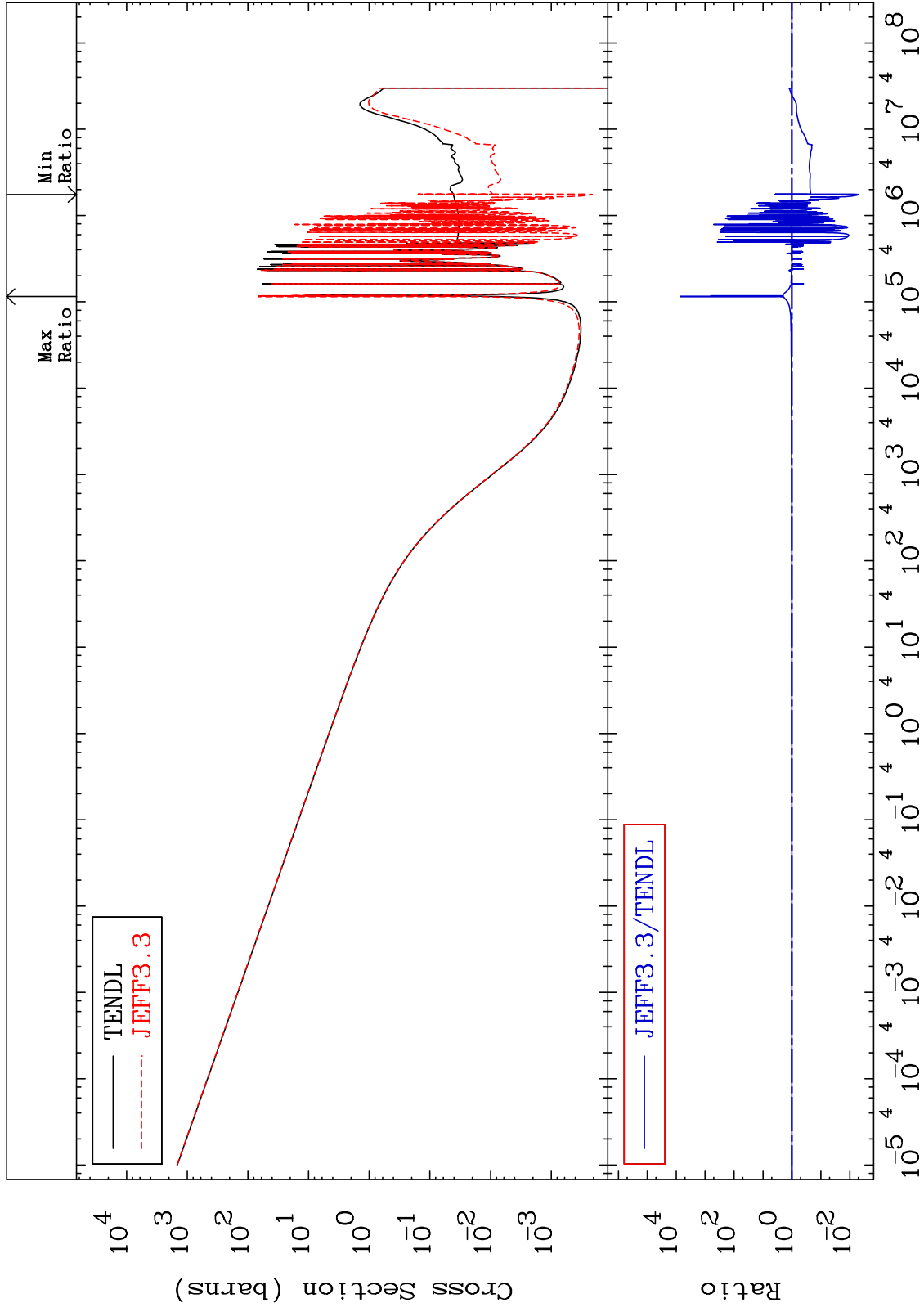
16-S -34  
-13.72 To 1.851 %



MAT 1631

Kerma capture (mt102)  
Cross Section

16-S -34  
-99.50 To 9999. %



71

Incident Energy (eV)

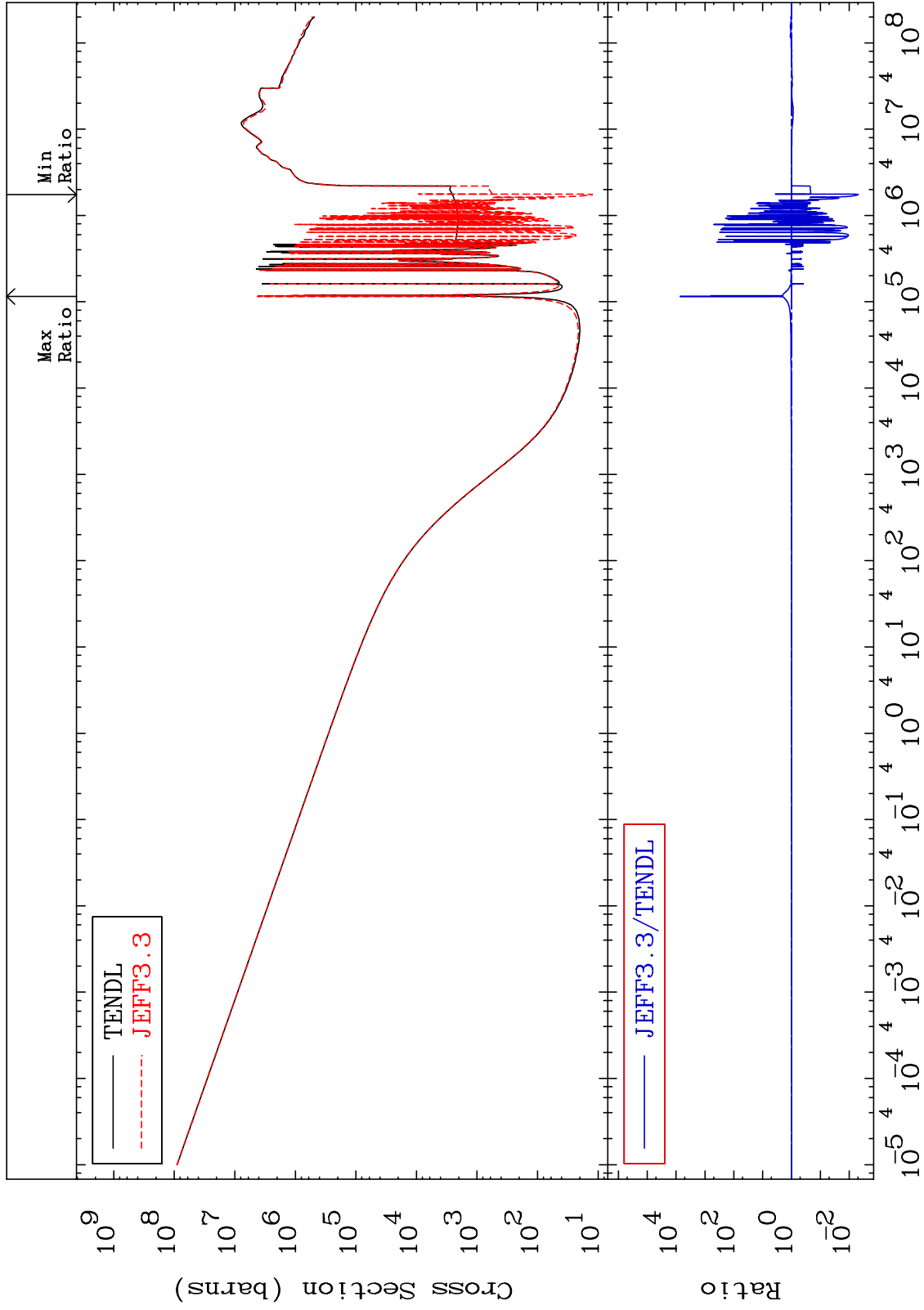
16-S -34



MAT 1631

Total photon (eV-barns)  
Cross Section

16-S -34  
-99.52 To 9999. %



72

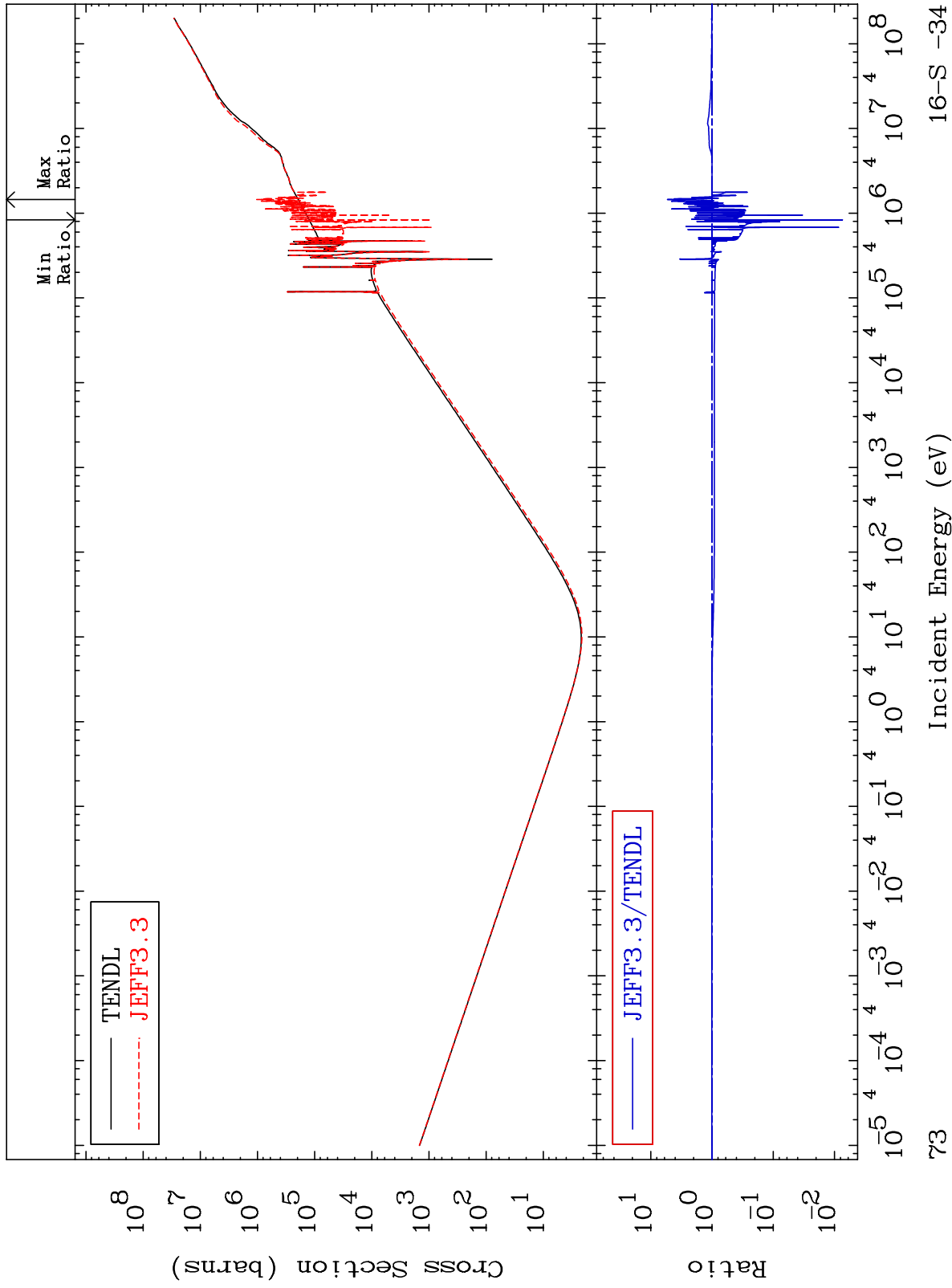
Incident Energy (eV)

16-S -34

MAT 1631

Total kinematic kerma (high limit)  
Cross Section

16-S -34  
-99.26 To 433.1 %



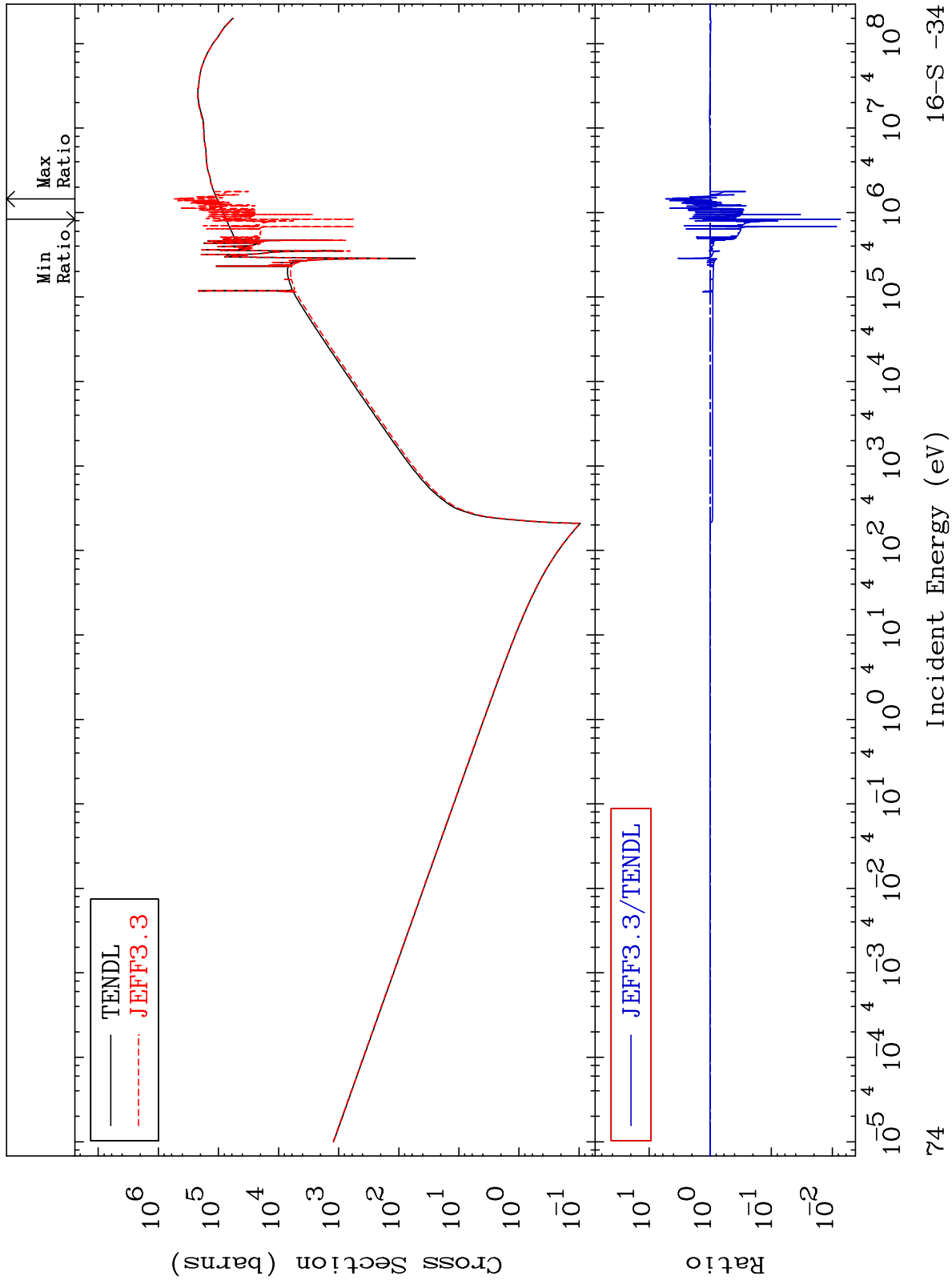
73

16-S -34

MAT 1631

Dpa total (eV-barns)  
Cross Section

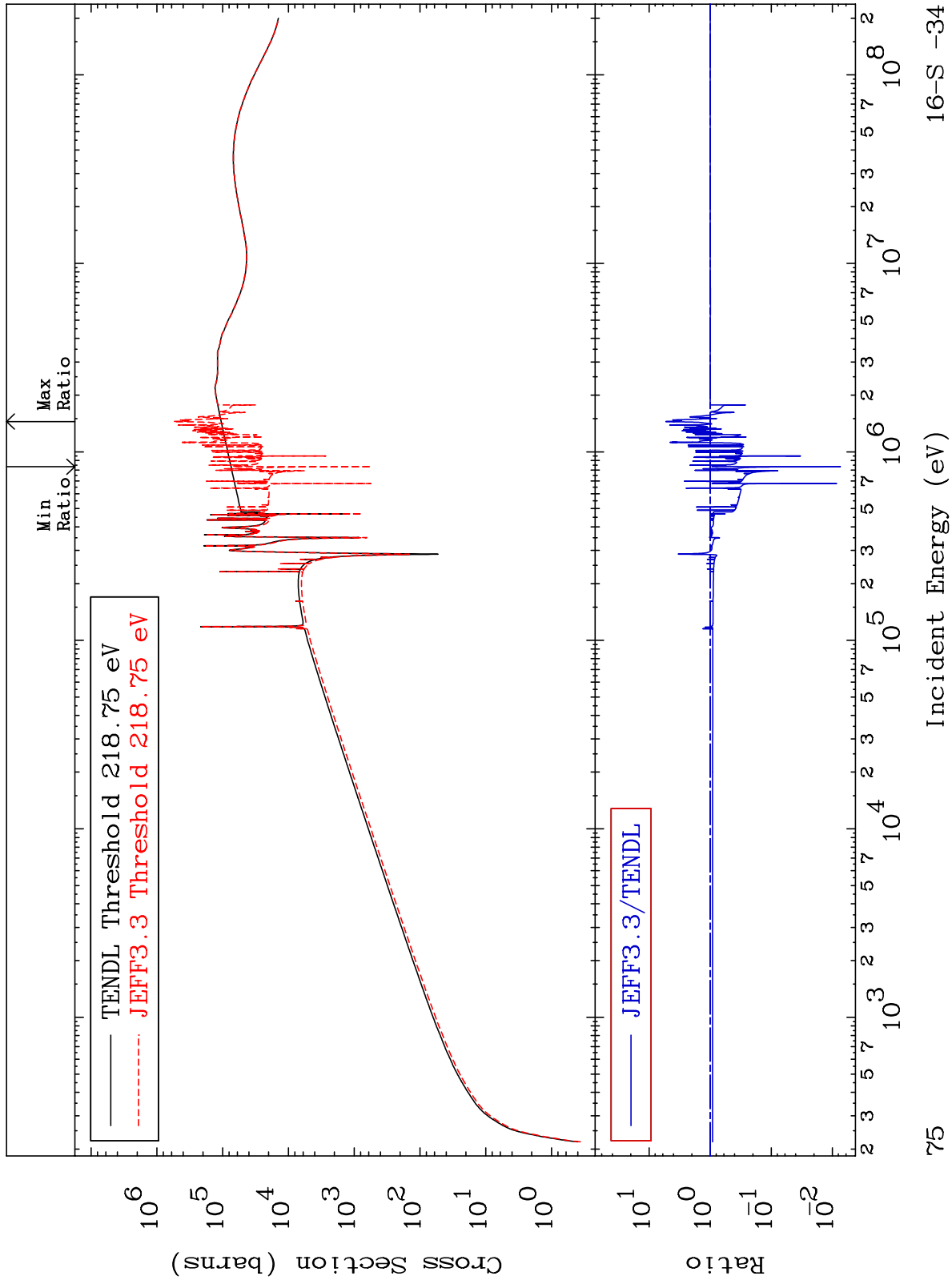
16-S -34  
-99.26 To 433.0 %



MAT 1631

Dpa elastic (mt2)  
Cross Section

16-S -34  
-99.26 To 433.0 %



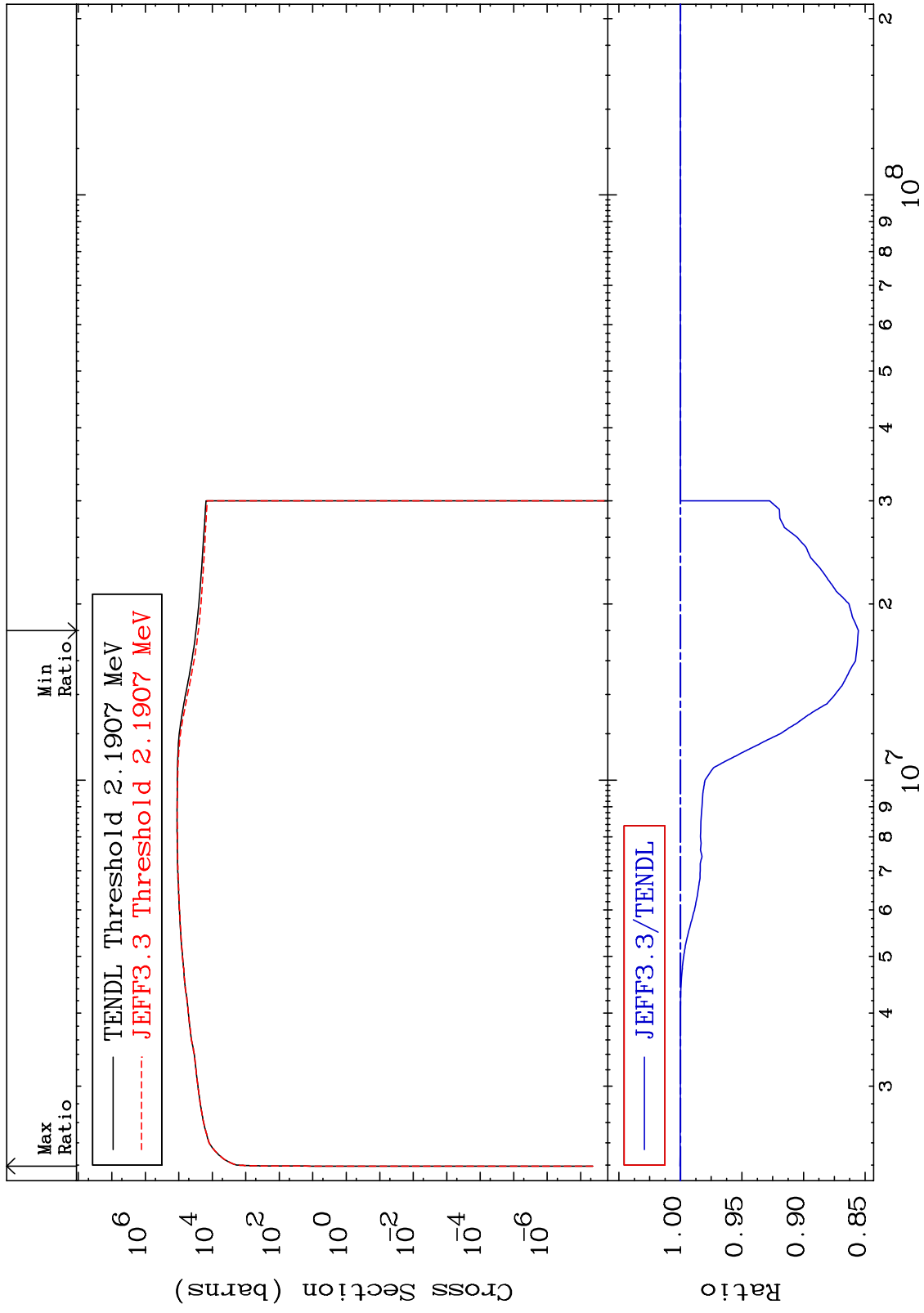
75

16-S -34

MAT 1631

Dpa inelastic (mt51-91)  
Cross Section

16-S -34  
-14.46 To 0.033 %



76

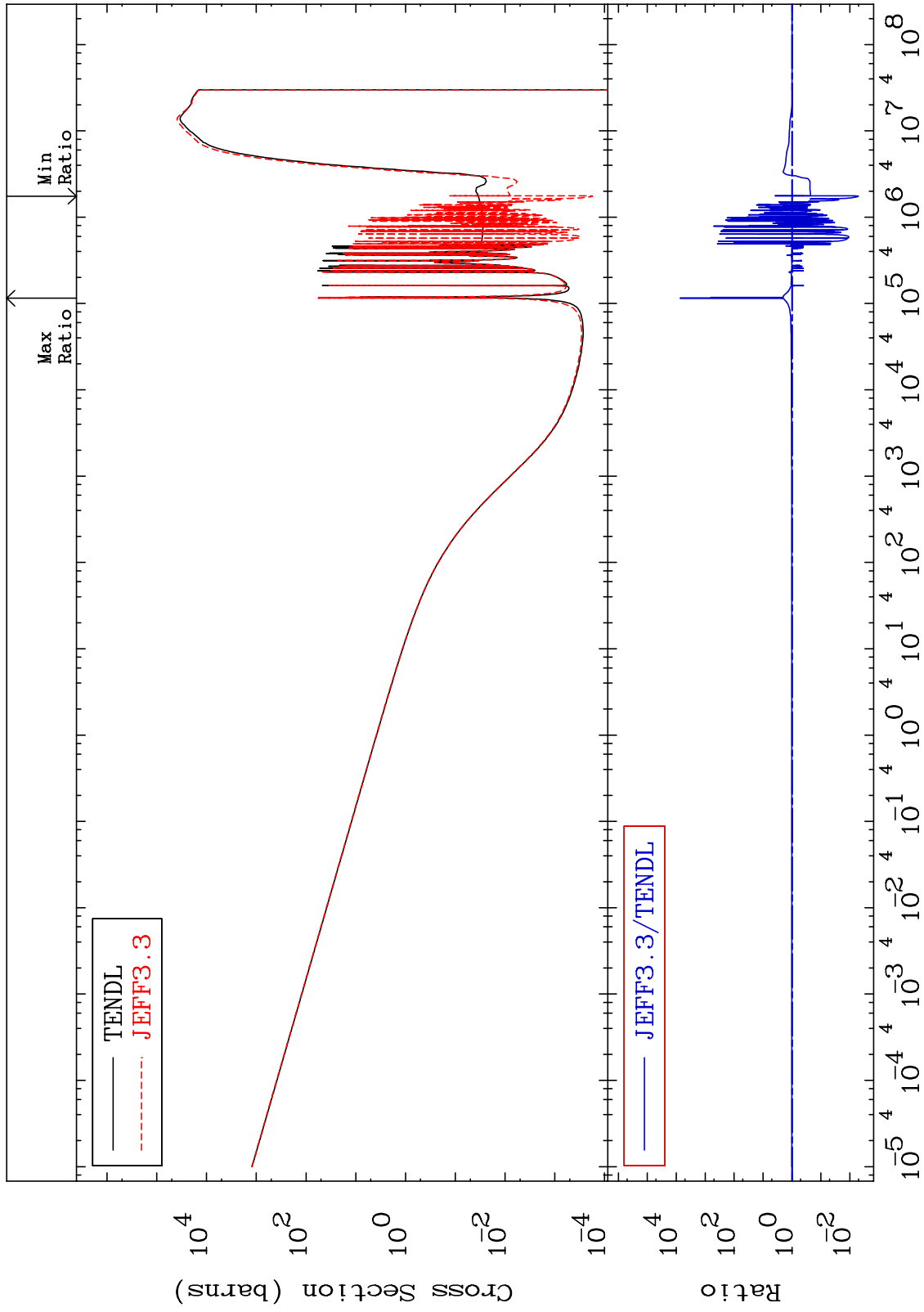
Incident Energy (eV)

16-S -34

MAT 1631

Dpa disappearance (mt102 -120)  
Cross Section

16-S -34  
-99.50 To 9999. %



77

Incident Energy (eV)

16-S -34