

Program Complot  
(Version 2018-1)

by

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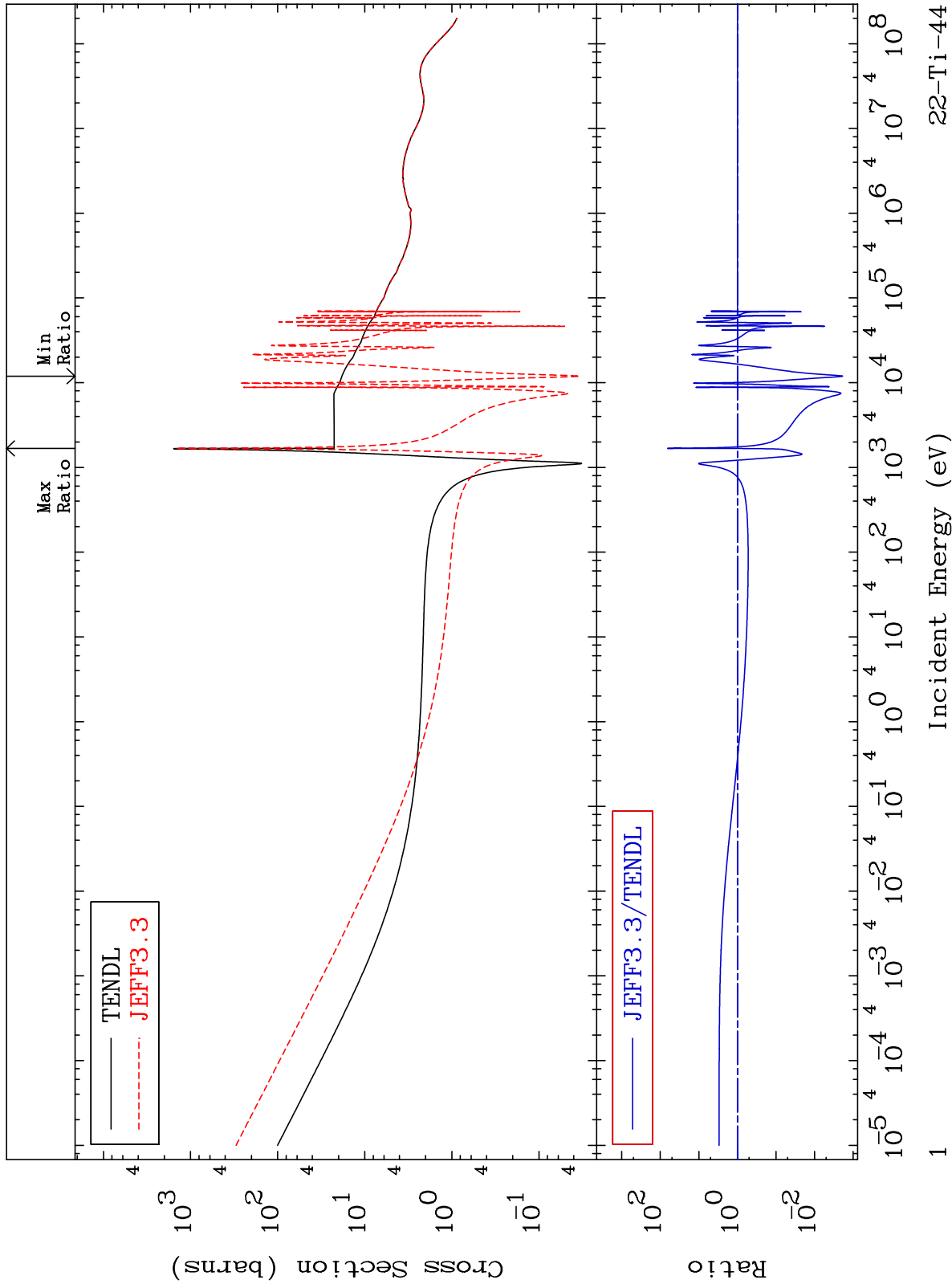
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 2219

Total  
Cross Section

22-Ti-44  
-99.81 To 6387. %

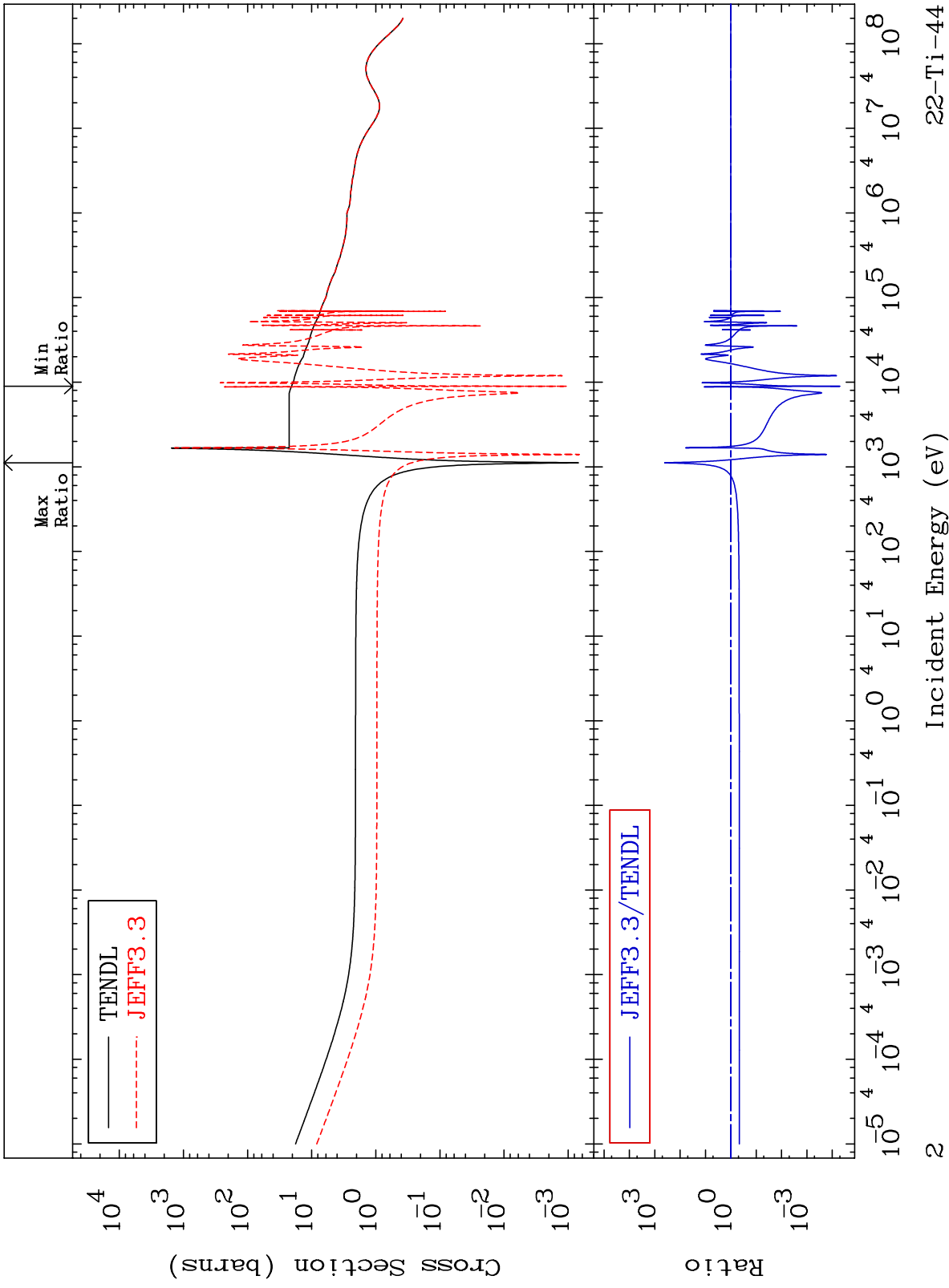


22-Ti-44

MAT 2219

Elastic  
Cross Section

22-Ti-44  
-99.99 To 9999. %

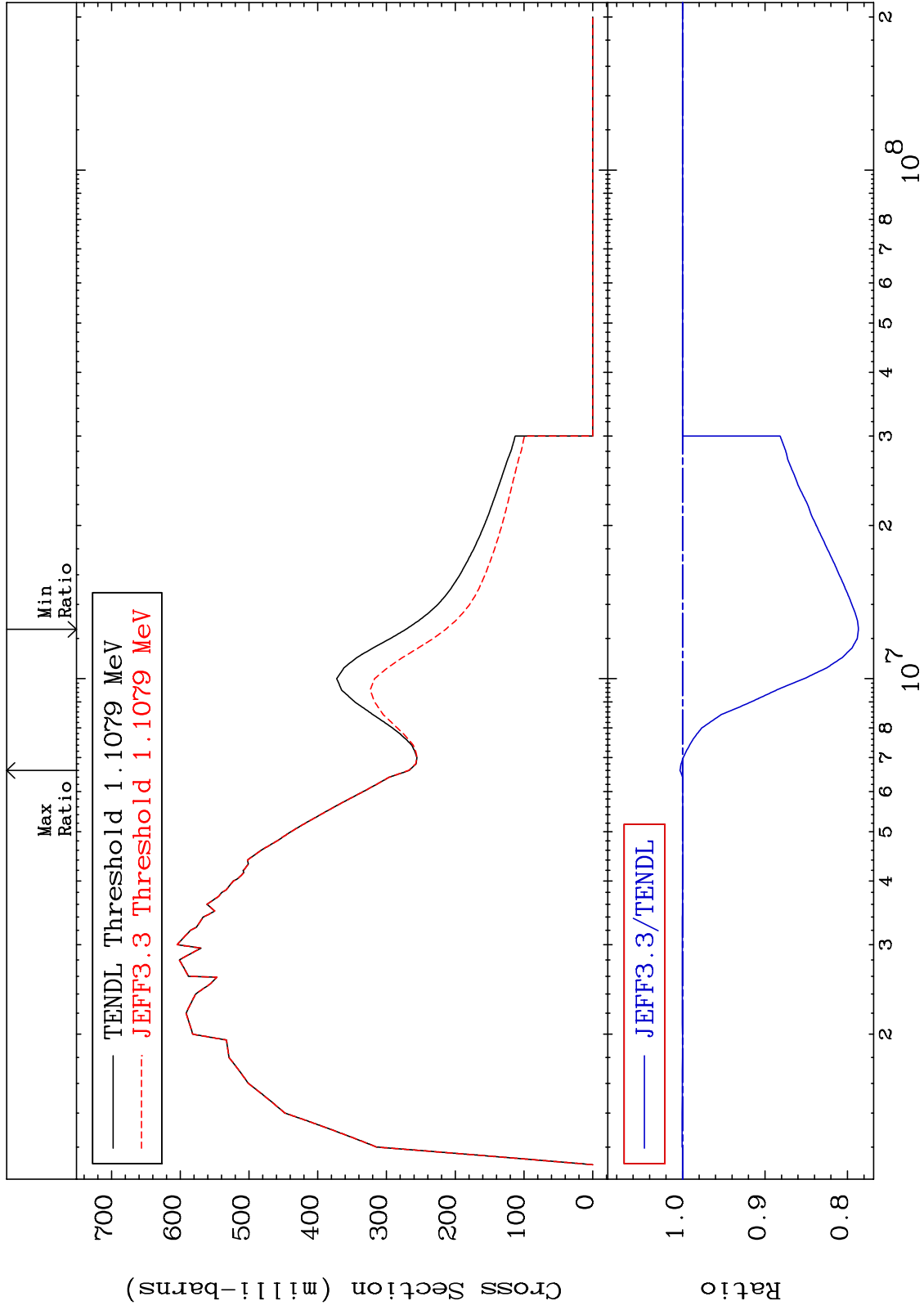


MAT 2219

Inelastic  
Cross Section

22-Ti-44

-21.33 To 0.309 %



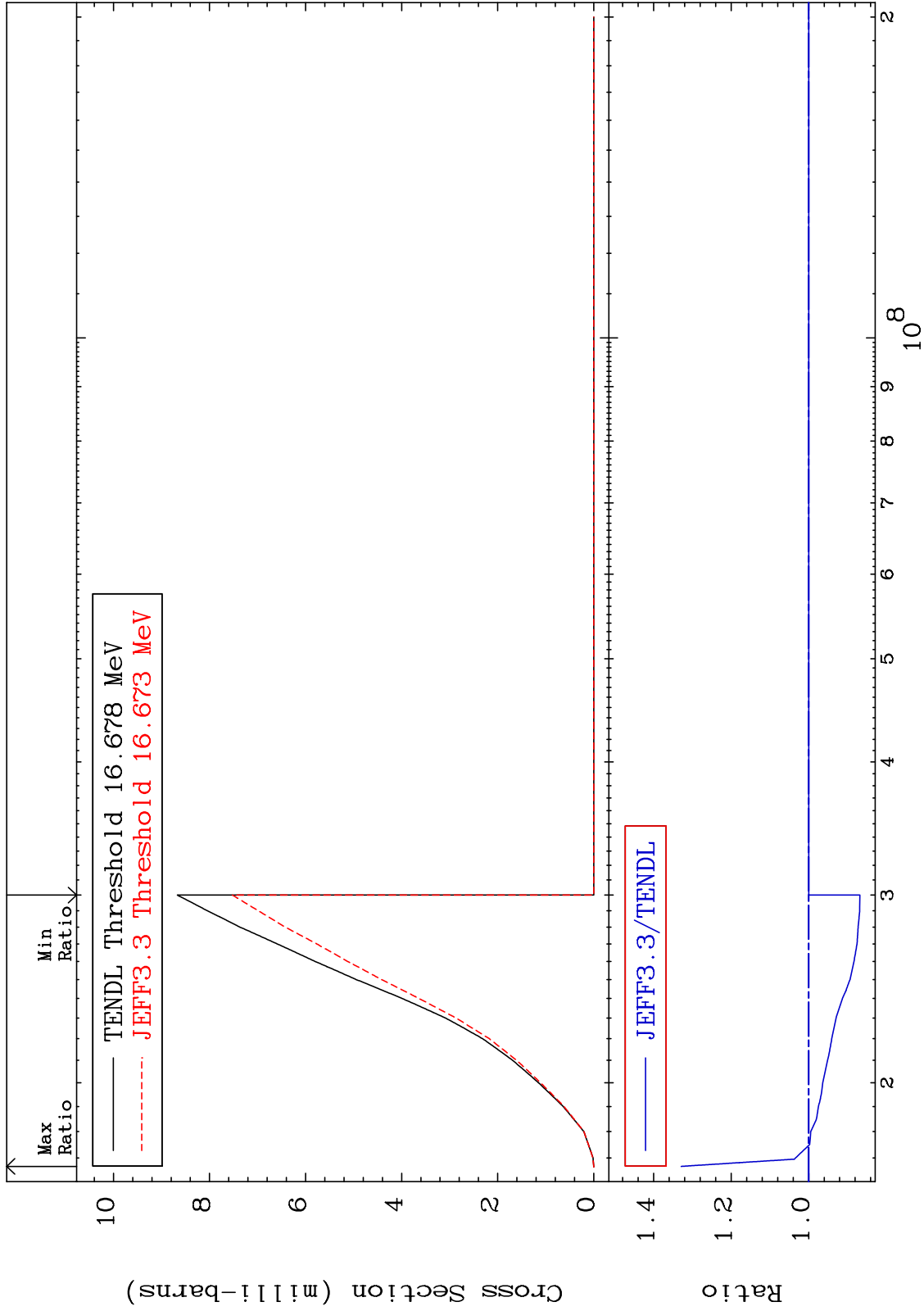
MAT 2219

(n,2n)

22-Ti-44

Cross Section

-13.23 To 32.88 %



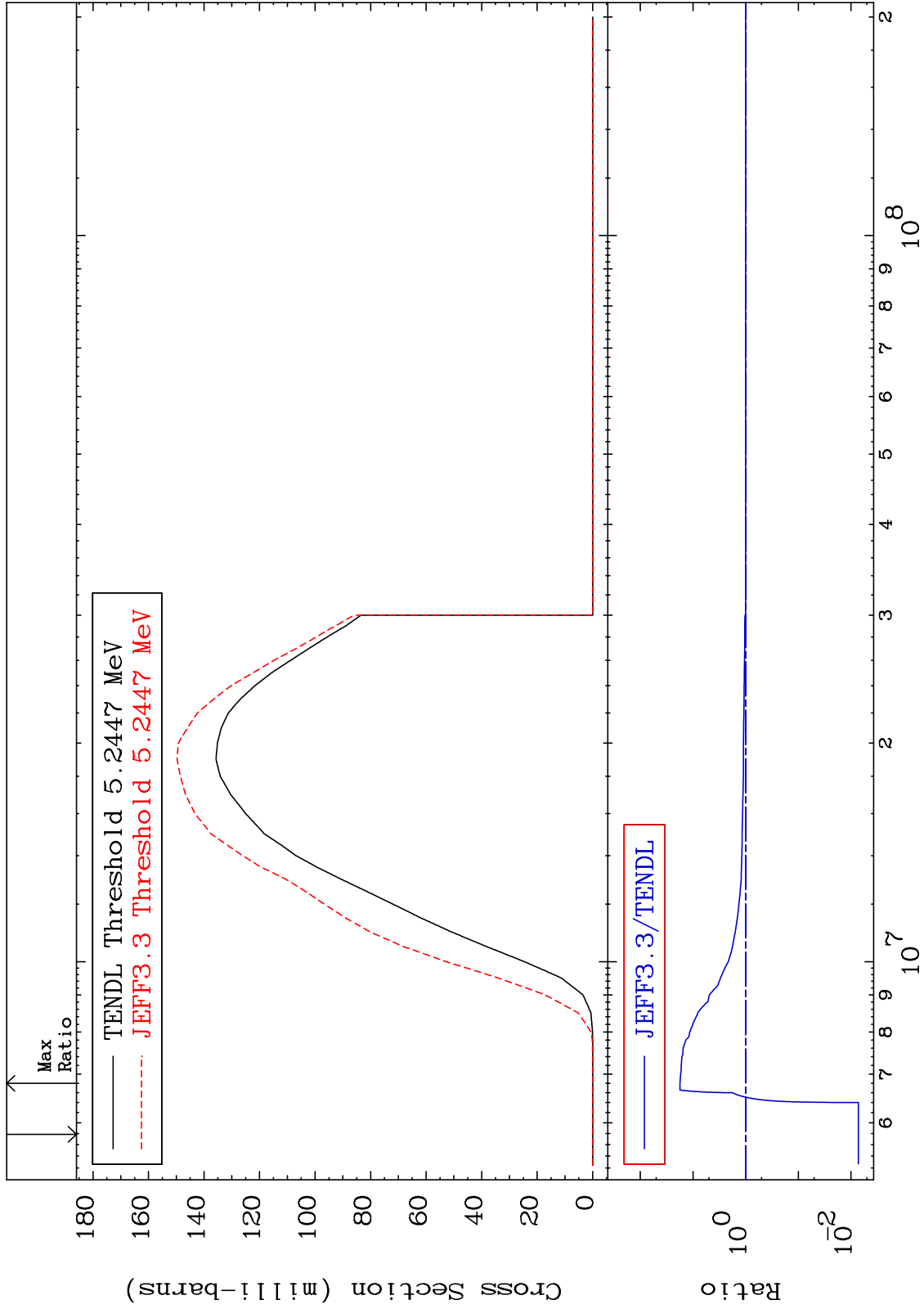
MAT 2219

(n,n')  $\alpha$

22-Ti-44

Cross Section

-99.28 To 1664. %



5

Incident Energy (eV)

22-Ti-44

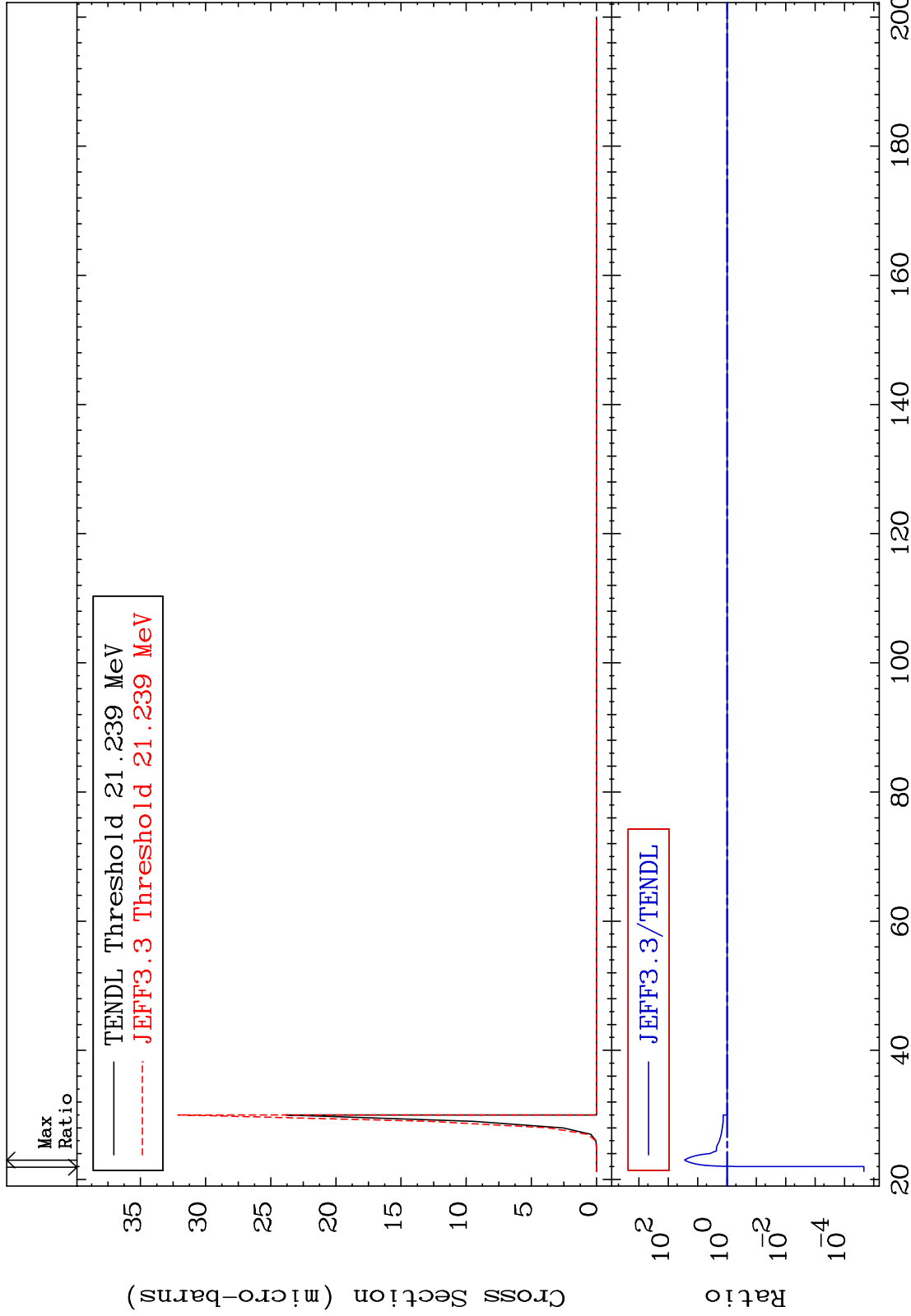
MAT 2219

(n,2n)  $\alpha$

22-Ti-44

Cross Section

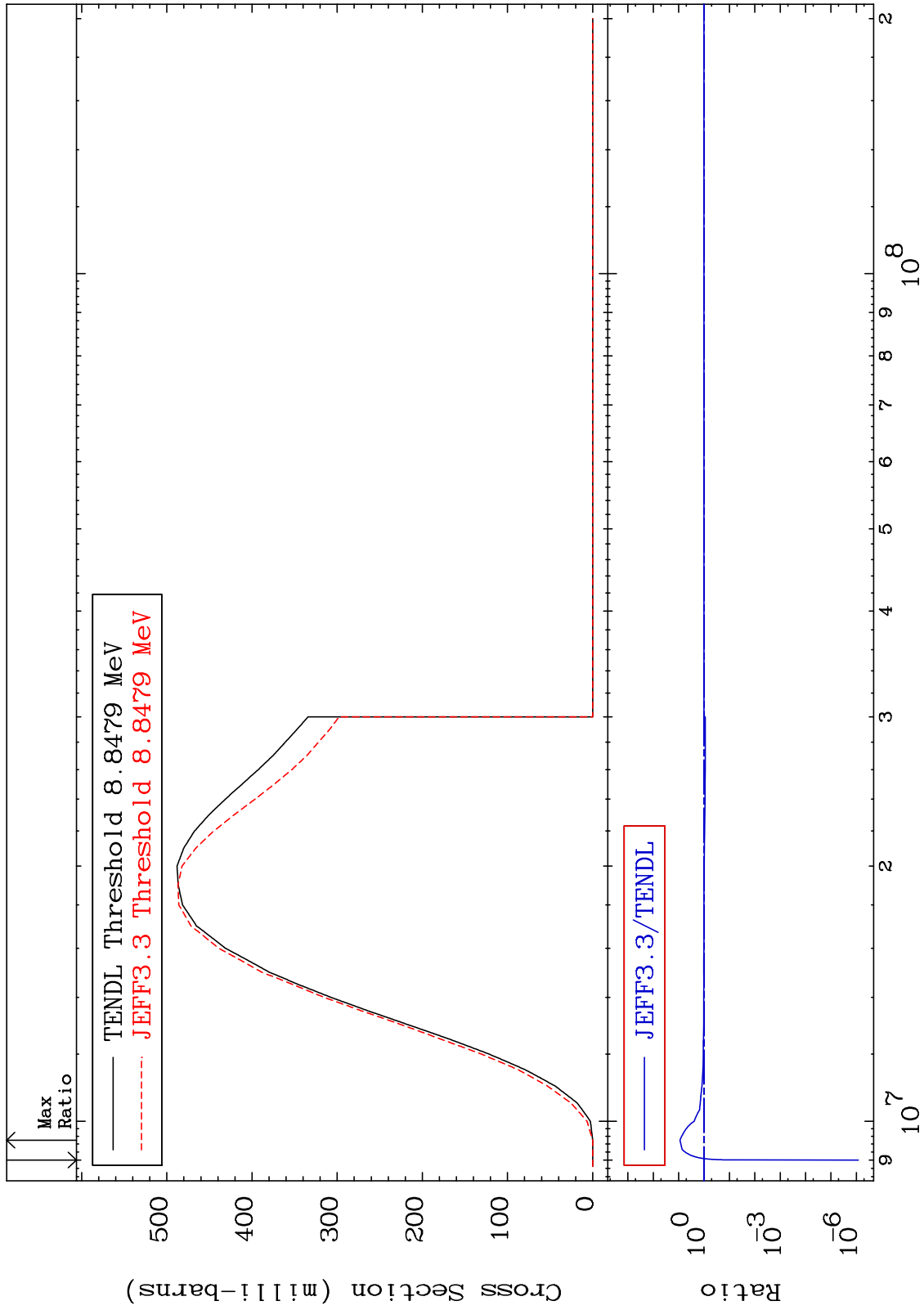
-100.0 To 2739. %



MAT 2219

(n,n') p  
Cross Section

22-Ti-44  
-100.0 To 784.4 %



7

Incident Energy (eV)

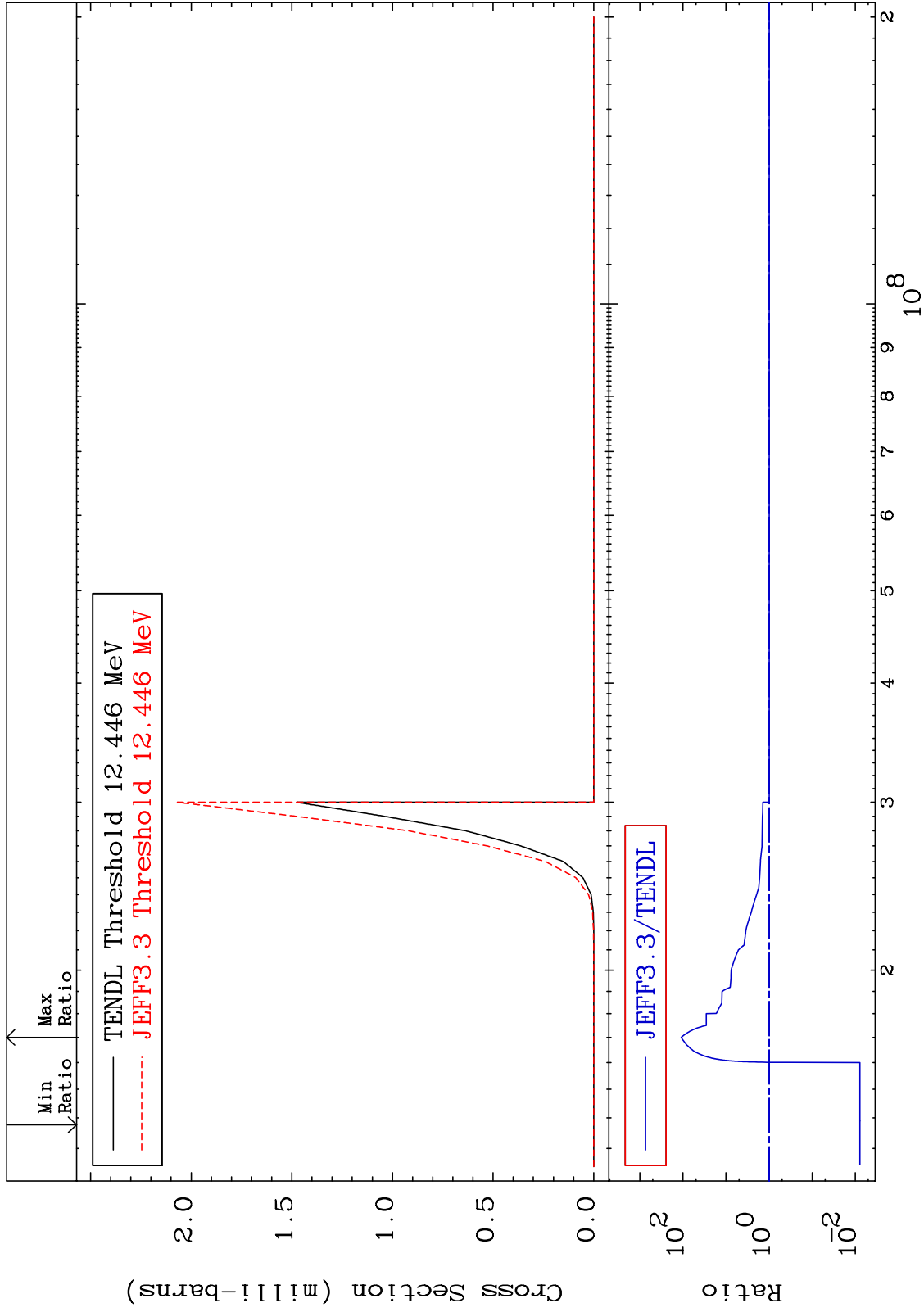
22-Ti-44



MAT 2219

(n,n') 2α  
Cross Section

22-Ti-44  
-99.22 To 9999. %



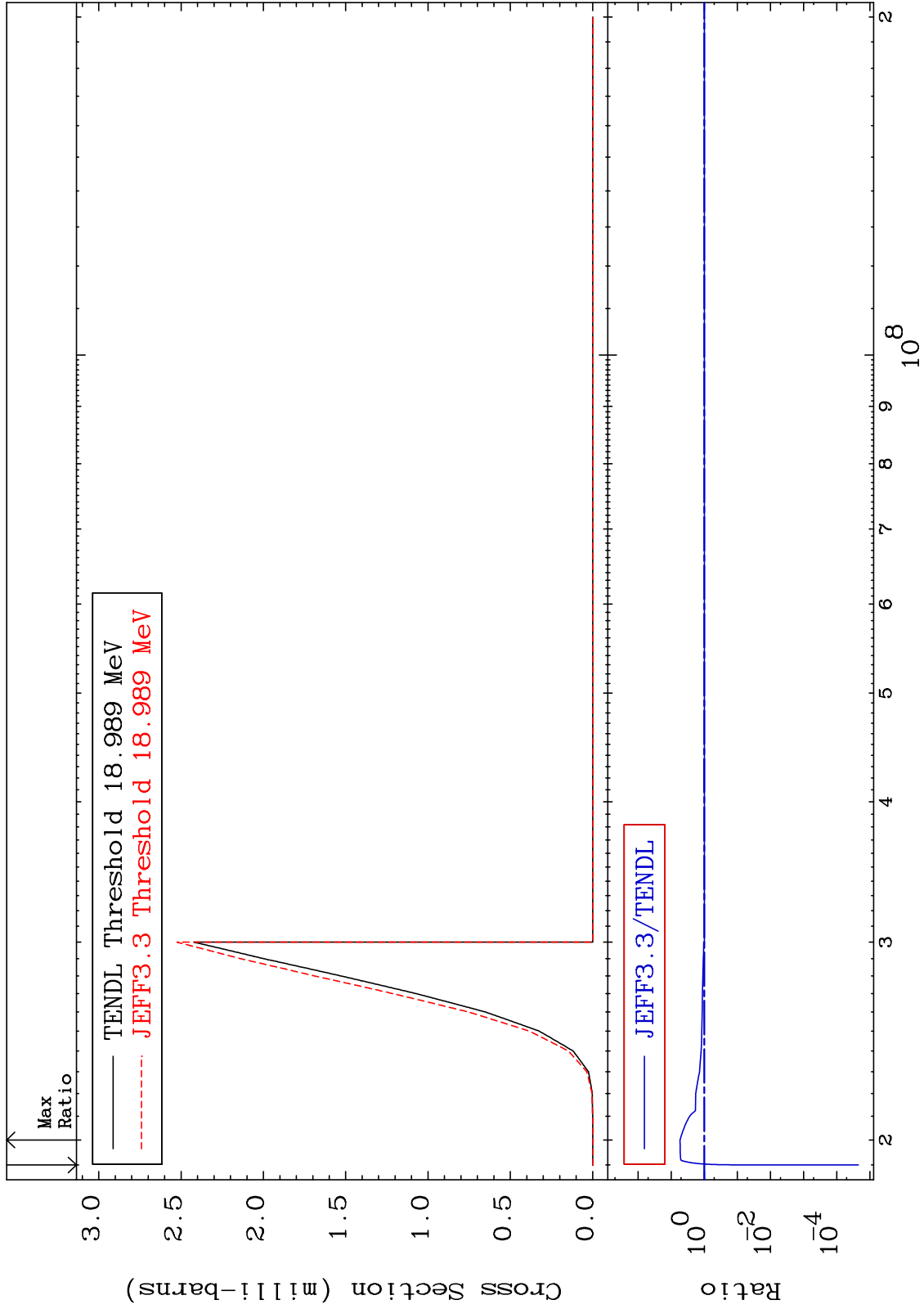
MAT 2219

(n,n') d

22-Ti-44

Cross Section

-100.0 To 440.0 %



9

Incident Energy (eV)

22-Ti-44

MAT 2219

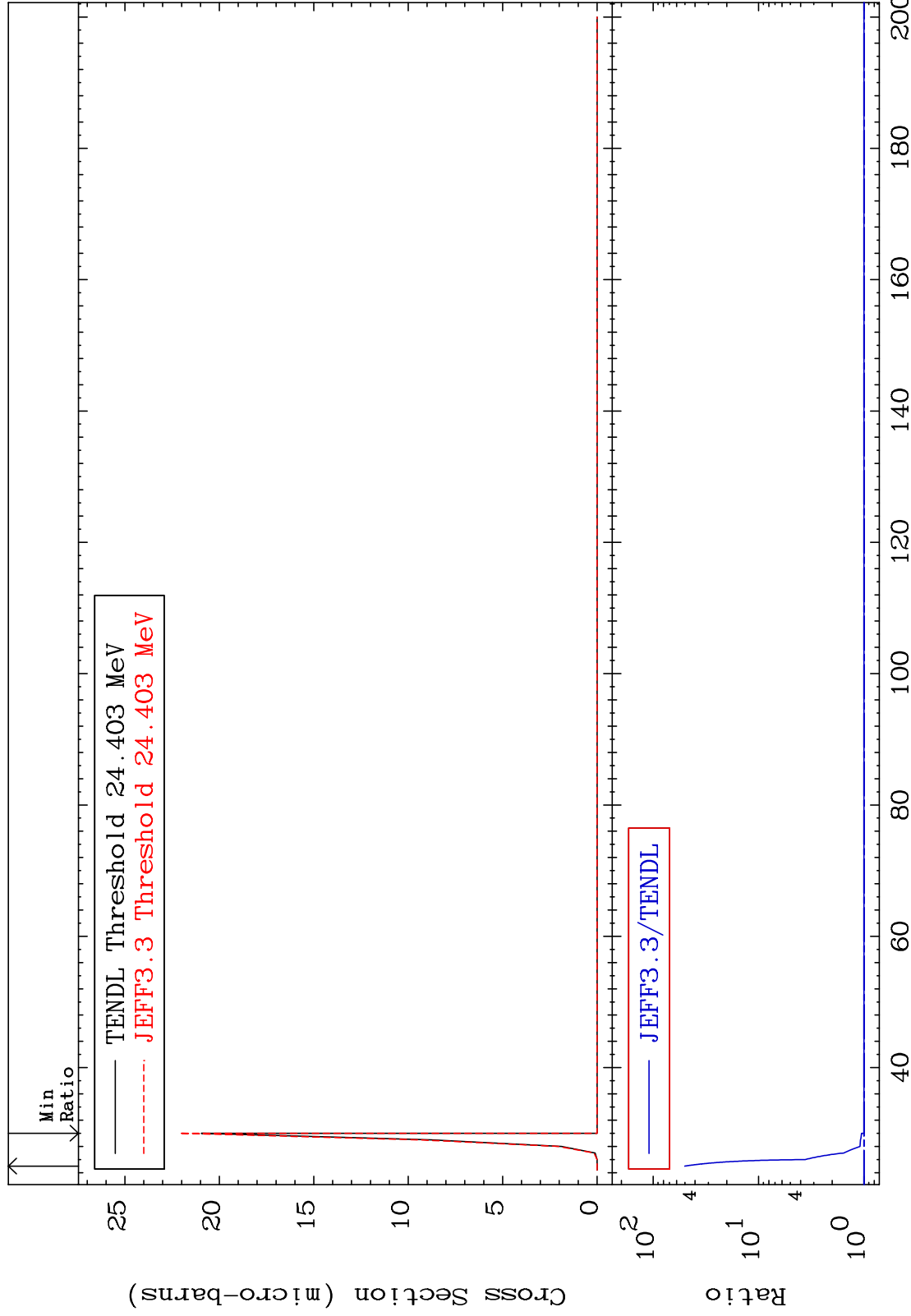
(n,n') t

22-Ti-44

Cross Section

0.000

To 4912. %



10

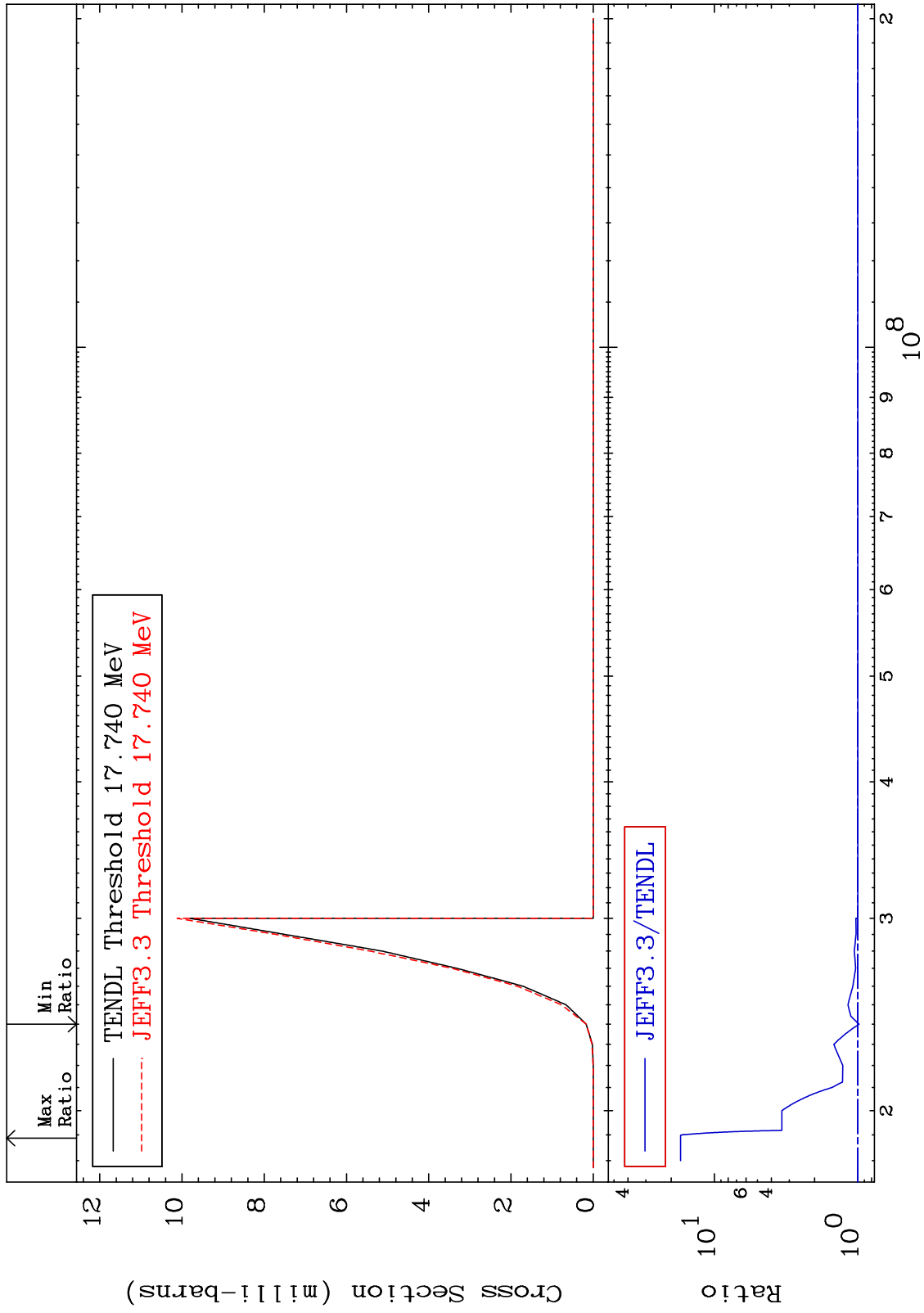
Incident Energy (MeV)

22-Ti-44

MAT 2219

(n,n') He-3  
Cross Section

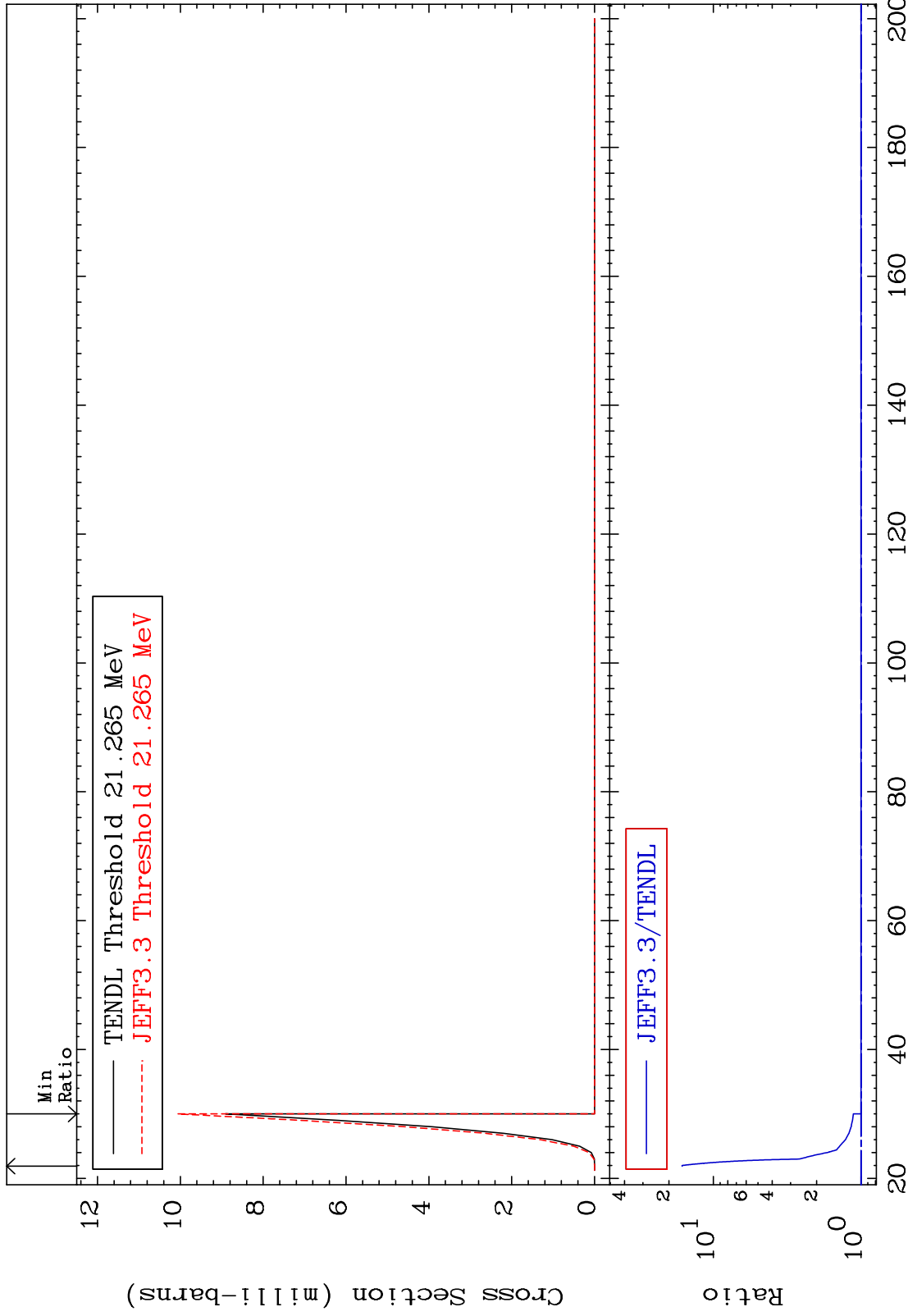
22-Ti-44  
-2.231 To 1616. %



MAT 2219

(n,2n) p  
Cross Section

22-Ti-44  
0.000 To 1529. %



12

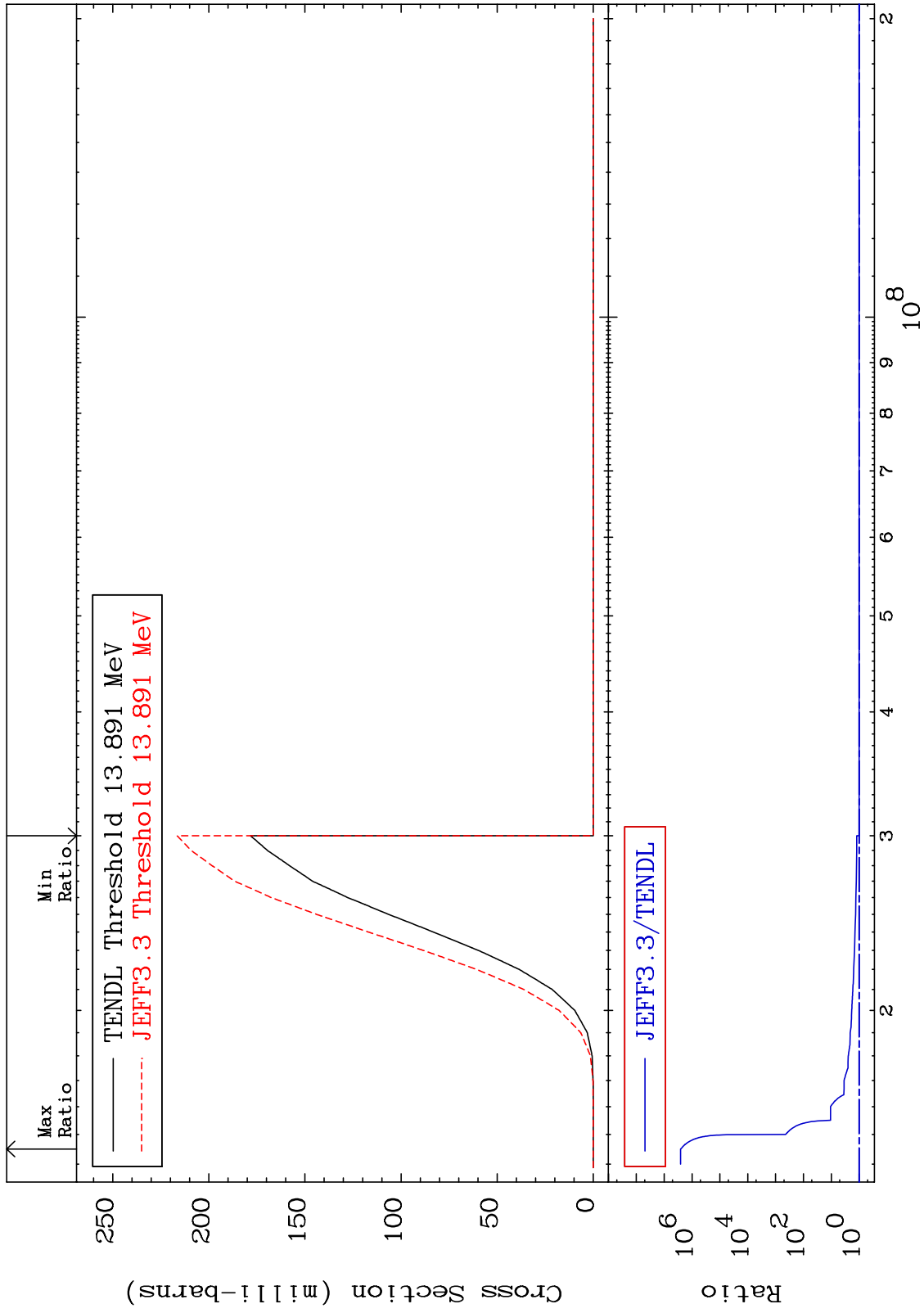
Incident Energy (MeV)

22-Ti-44

MAT 2219

(n,2n) p  
Cross Section

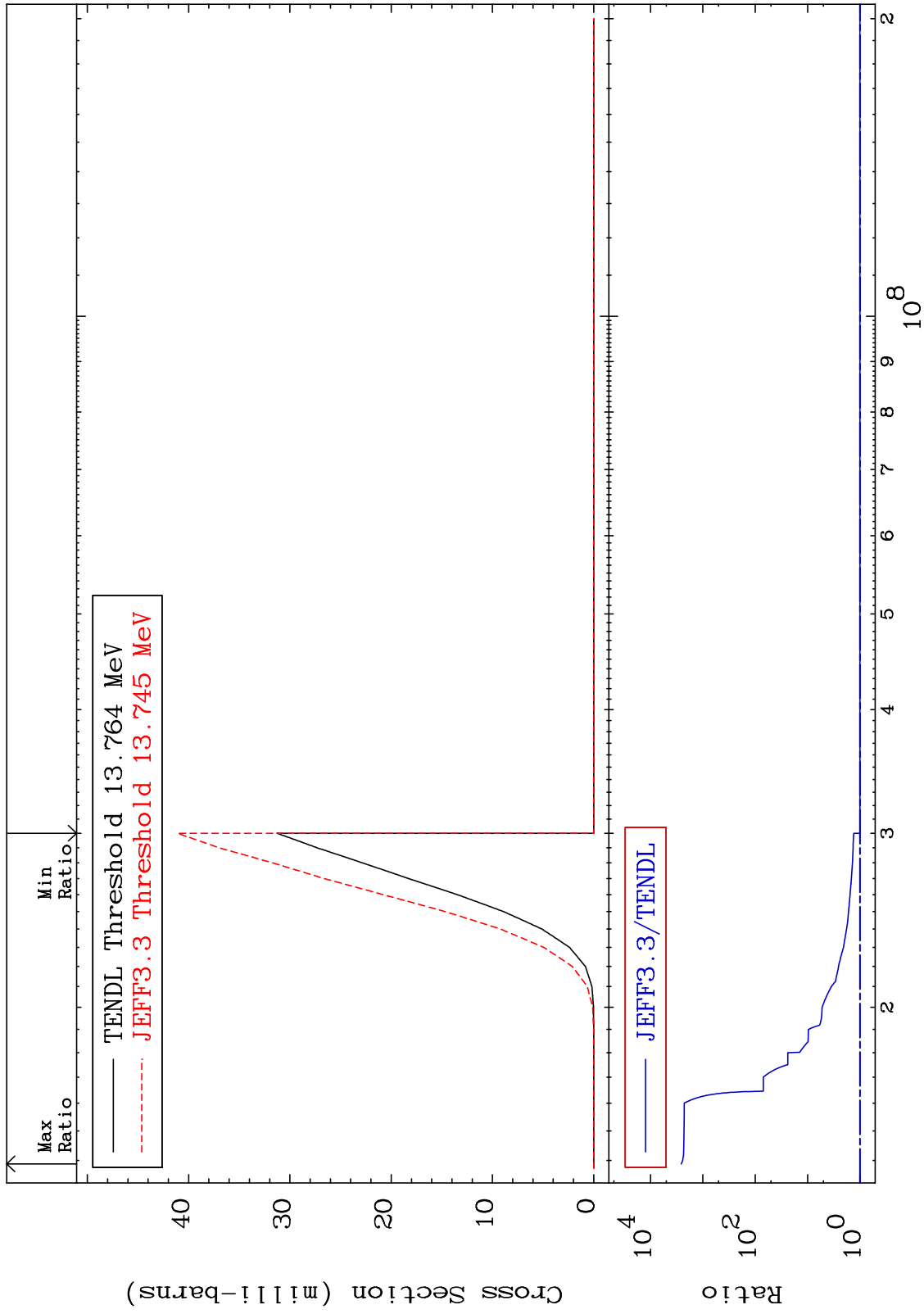
22-Ti-44  
0.000 To 9999. %



MAT 2219

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

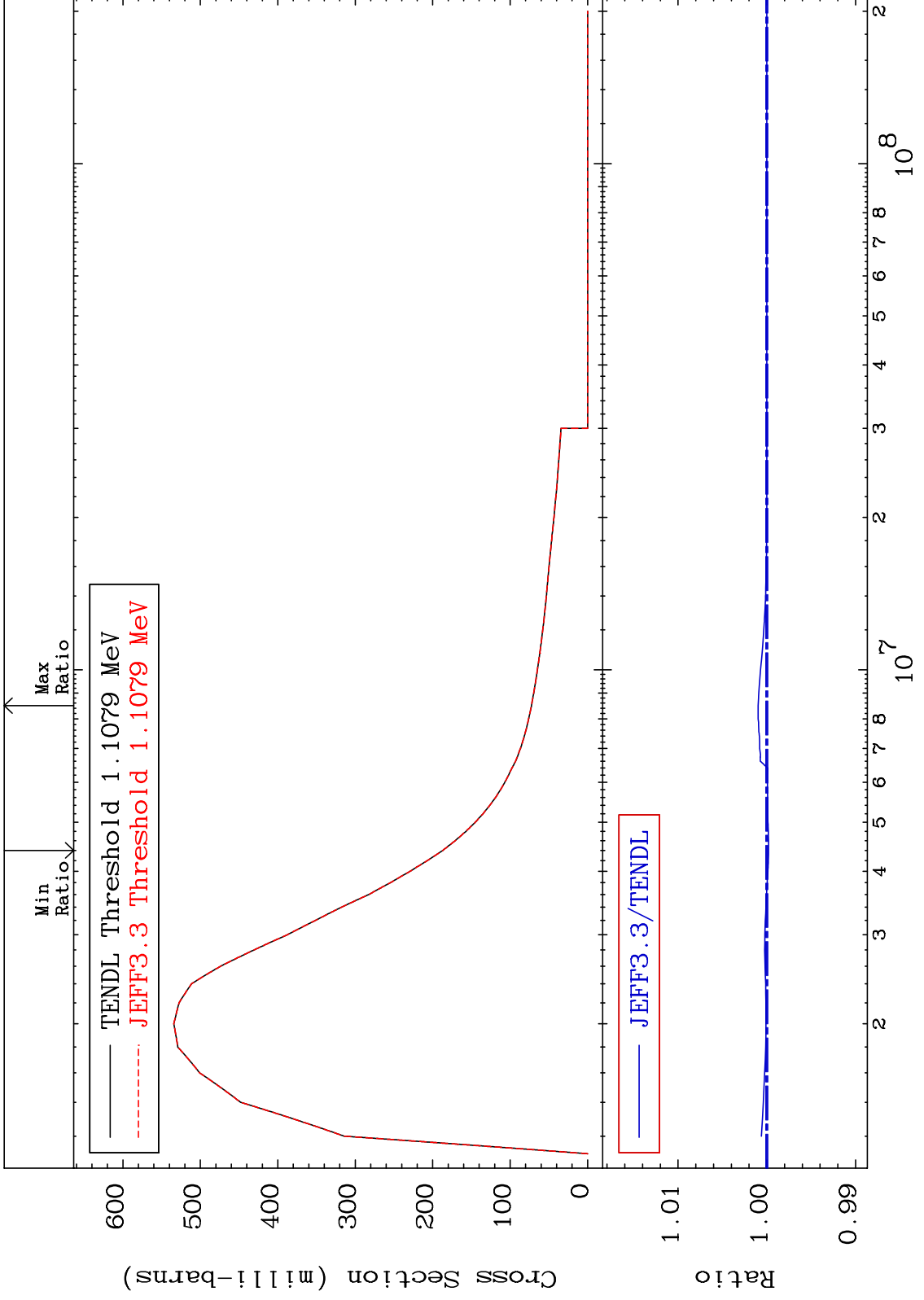
22-Ti-44  
0.000 To 9999. %



MAT 2219

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

22-Ti-44  
-0.020 To 0.098 %

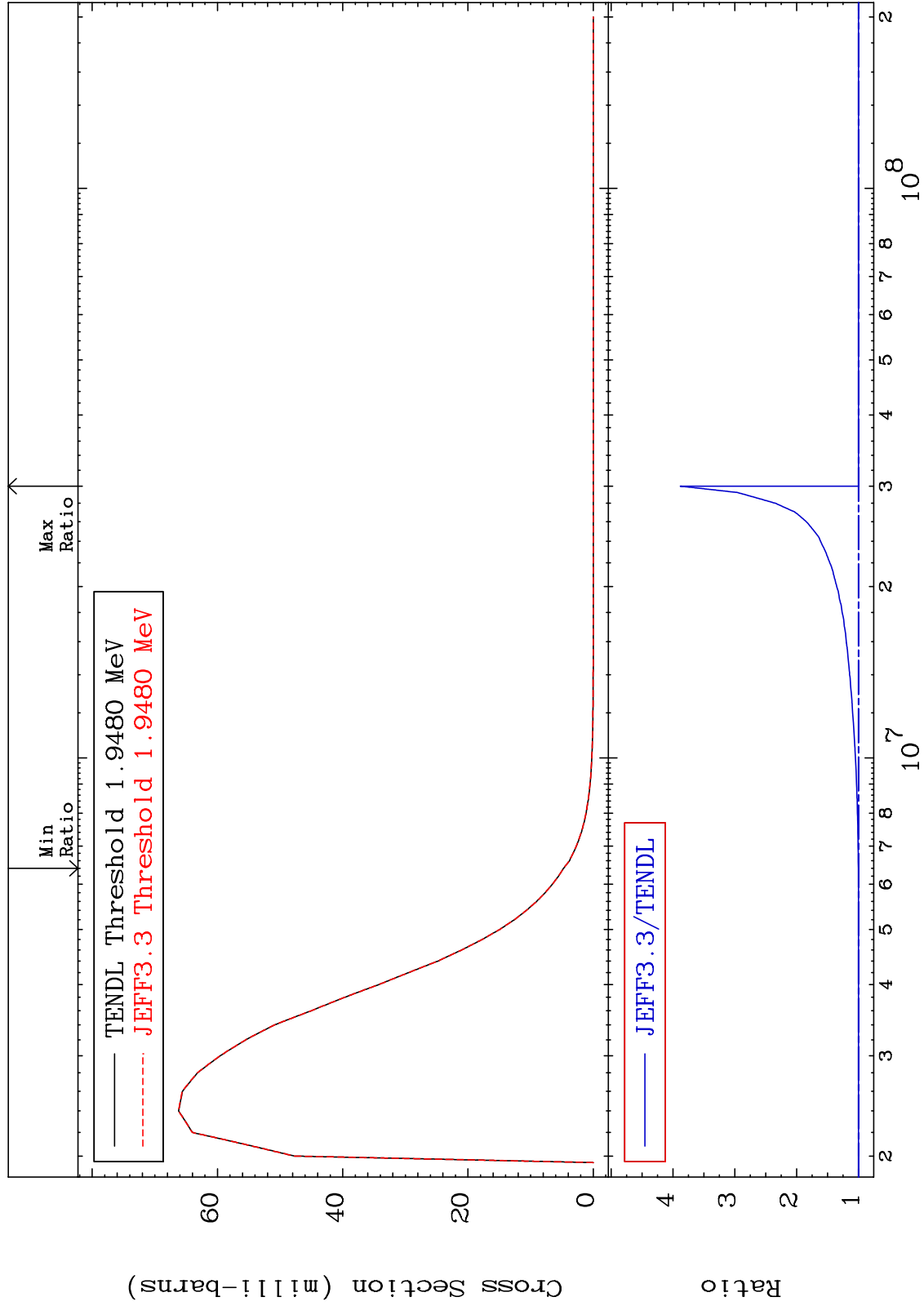




MAT 2219

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

22-Ti-44  
-0.082 To 288.0 %

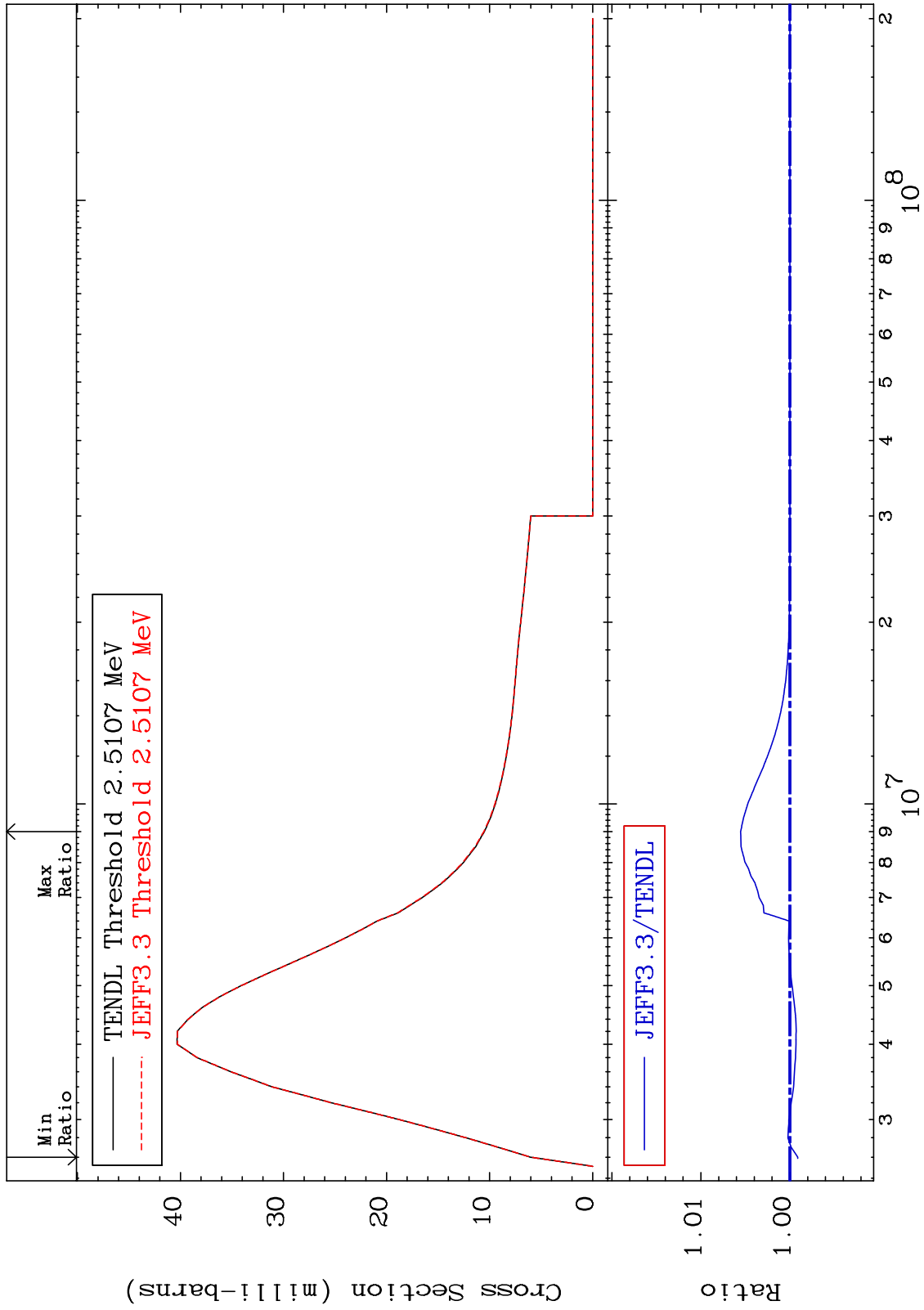


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Incident Energy (eV)

22-Ti-44

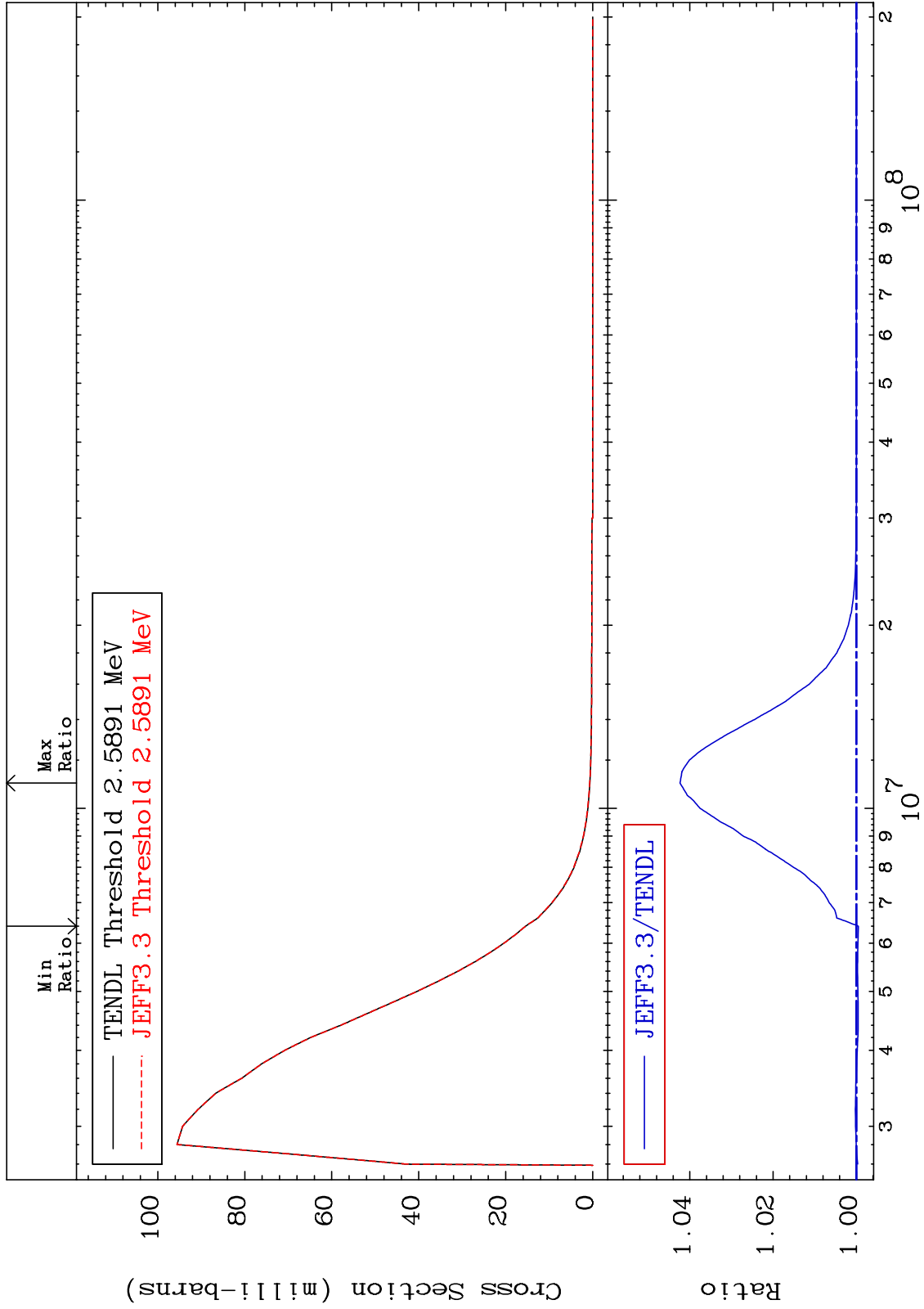
MAT 2219 MT= 53 (n, n') Level  
 Cross Section 22-Ti-44  
 -0.089 To 0.553 %



MAT 2219

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

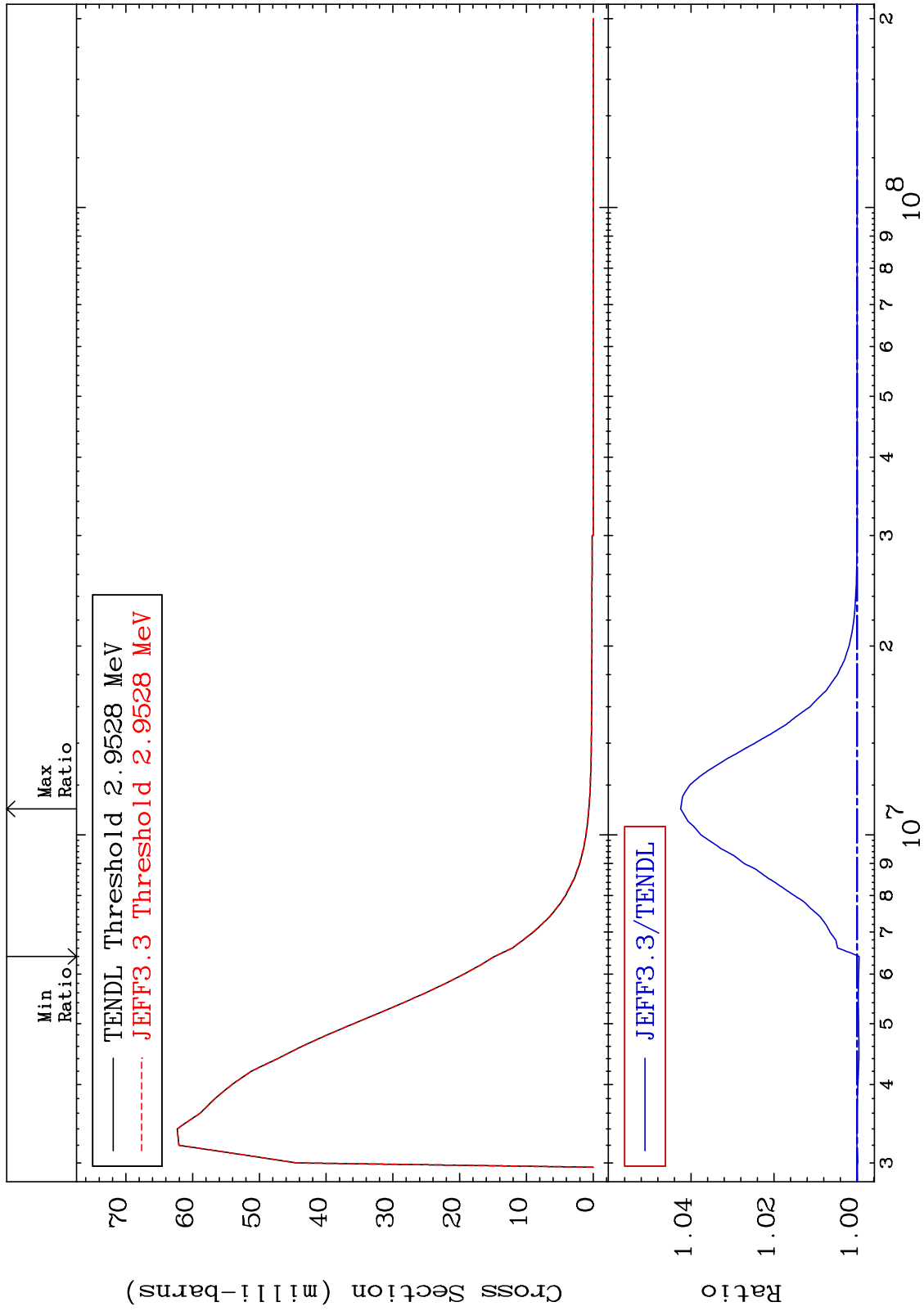
22-Ti-44  
-0.050 To 4.236 %



MAT 2219

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

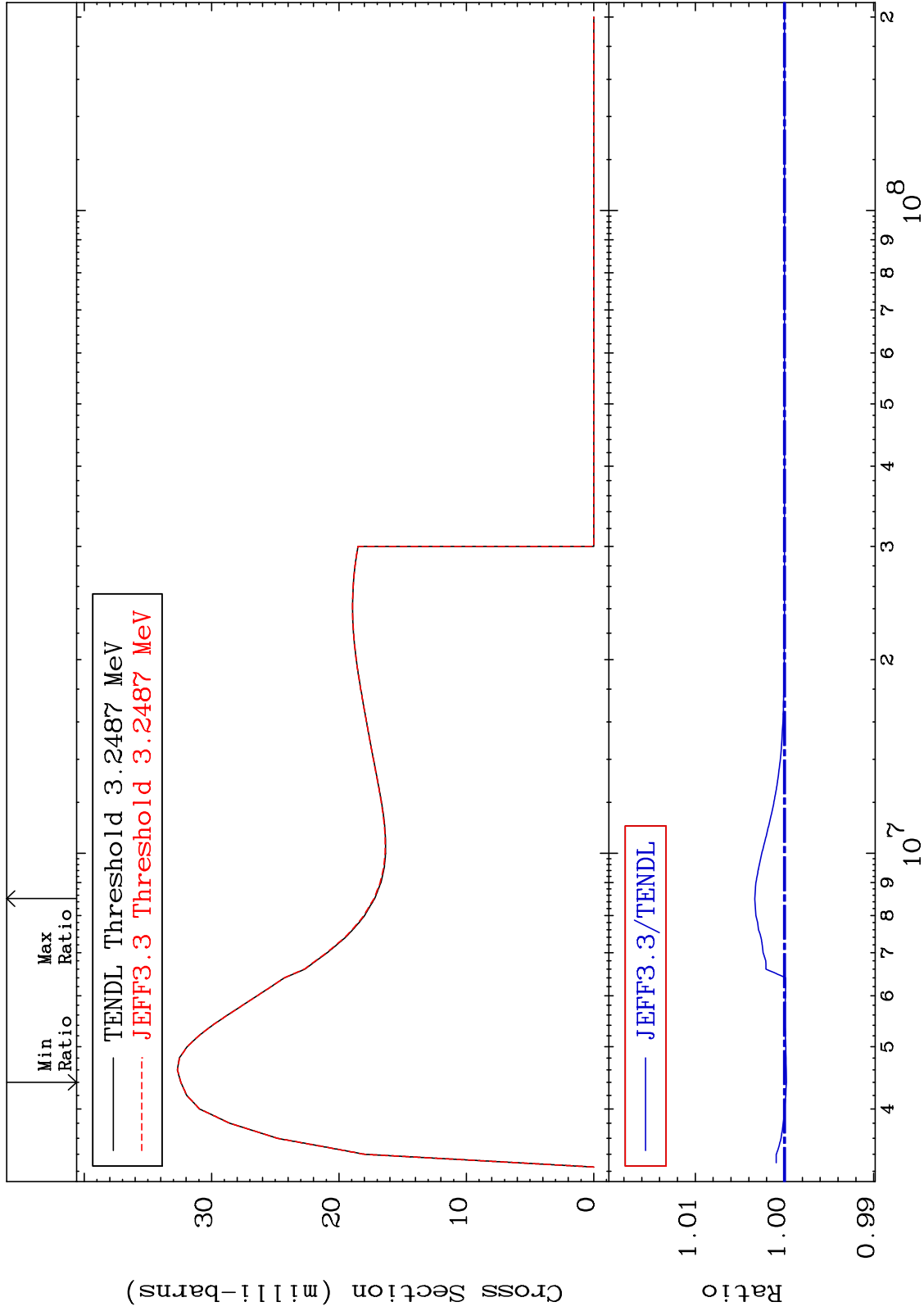
22-Ti-44  
-0.051 To 4.250 %



MAT 2219

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

22-Ti-44  
-0.021 To 0.333 %



20

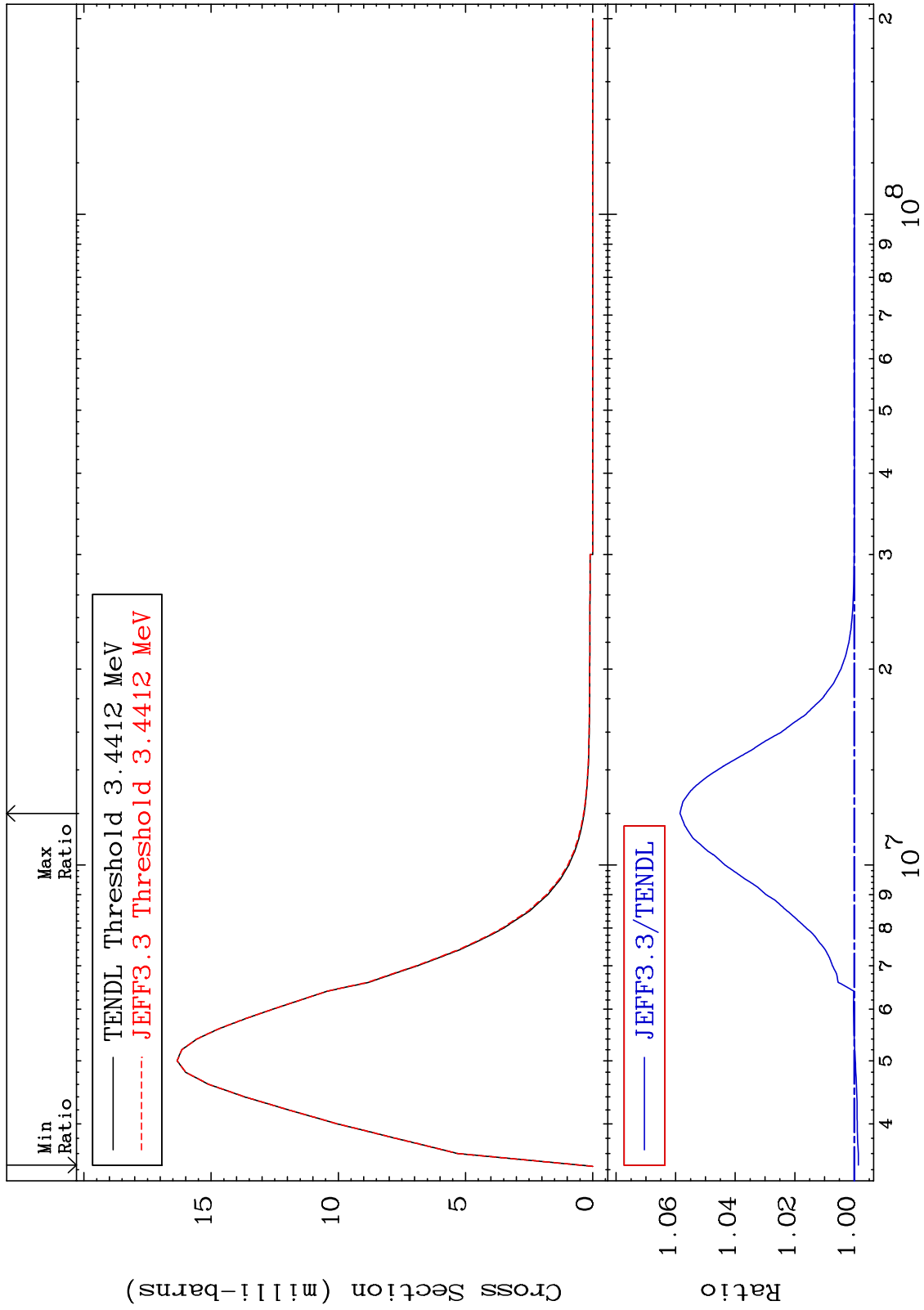
Incident Energy (eV)

22-Ti-44

MAT 2219

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

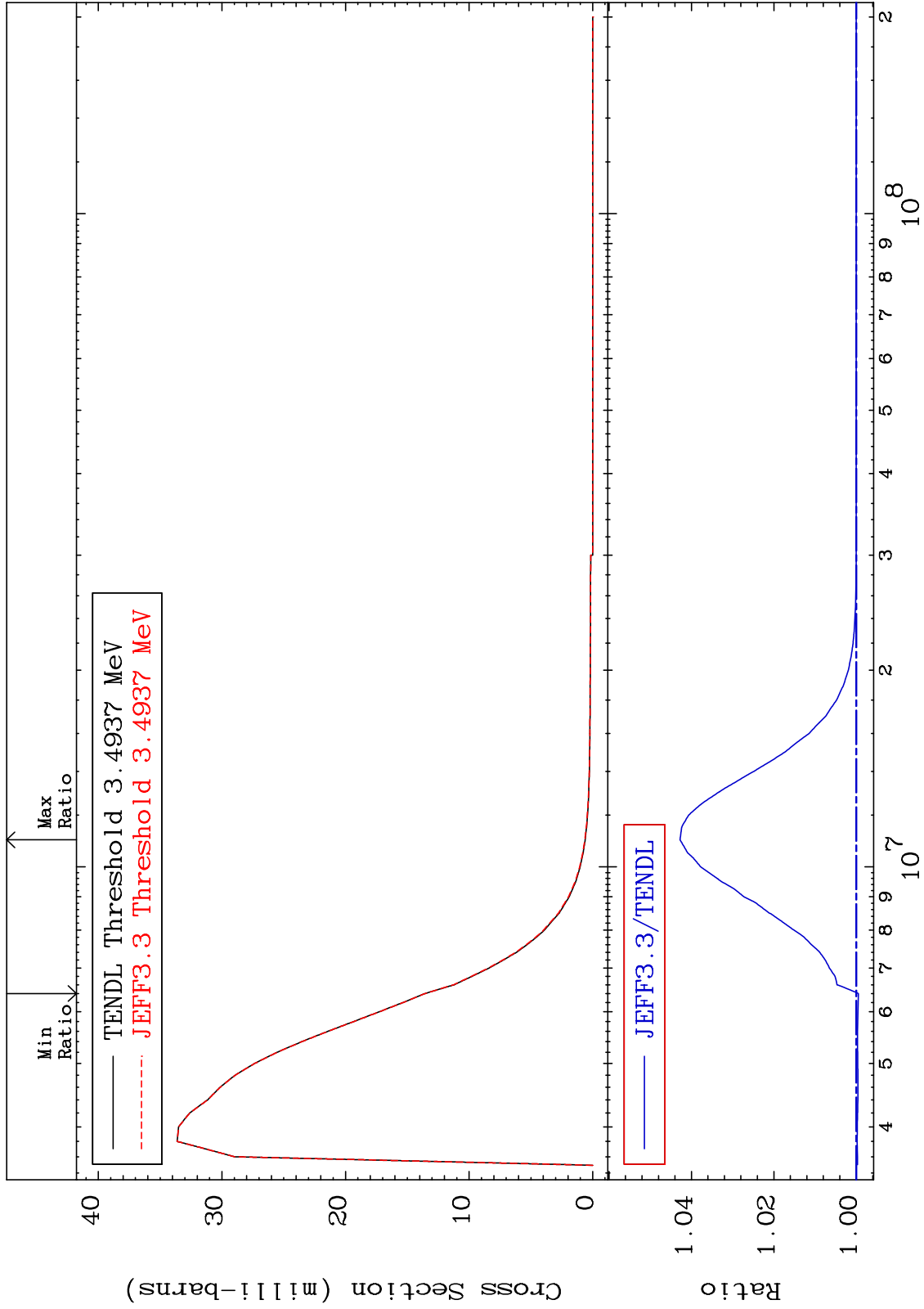
22-Ti-44  
-0.137 To 5.854 %



MAT 2219

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

22-Ti-44  
-0.052 To 4.277 %

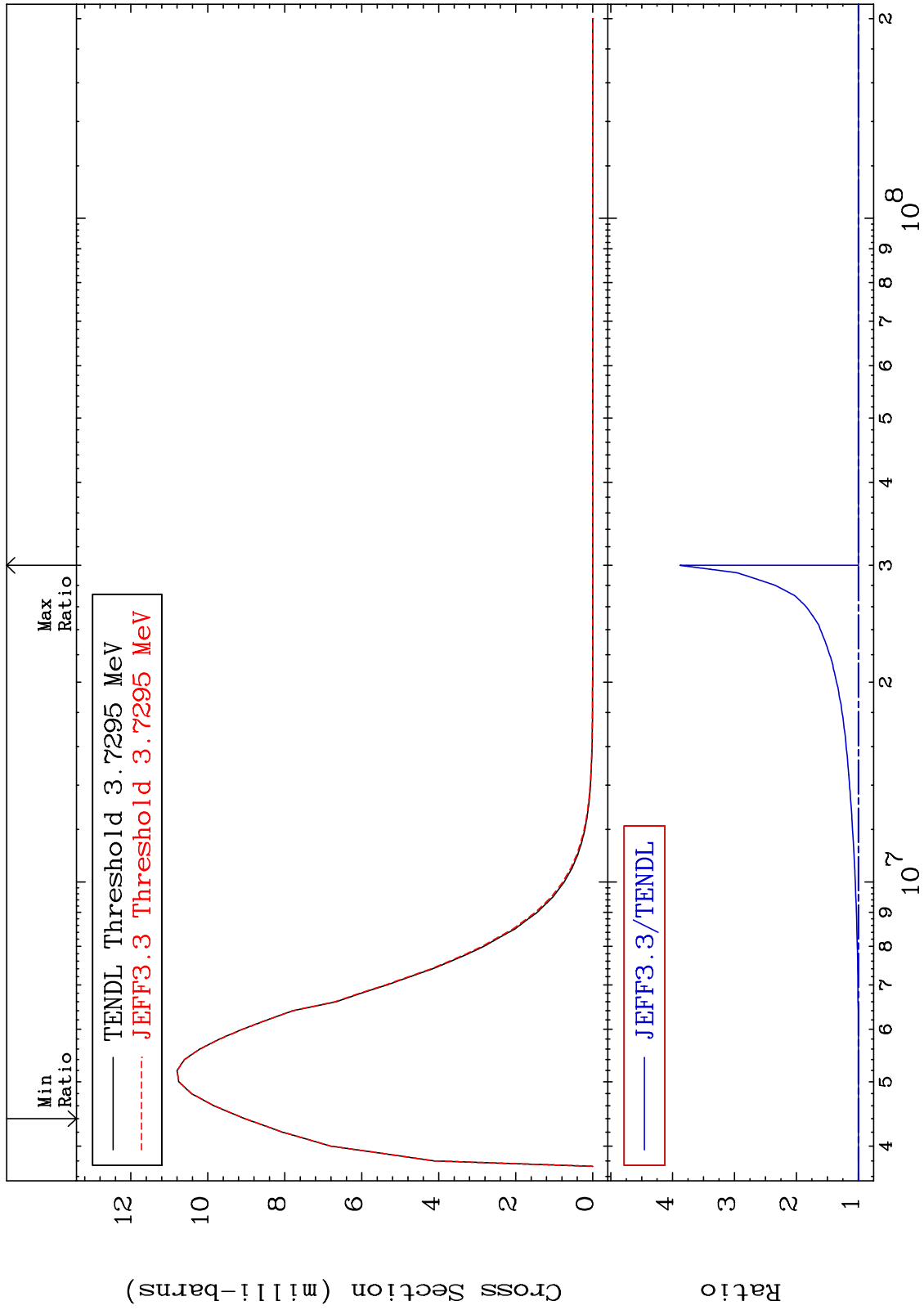


22

Incident Energy (eV)

22-Ti-44

MAT 2219      MT= 59 (n,n') Level      22-Ti-44  
 Cross Section      -0.071 To 288.1 %

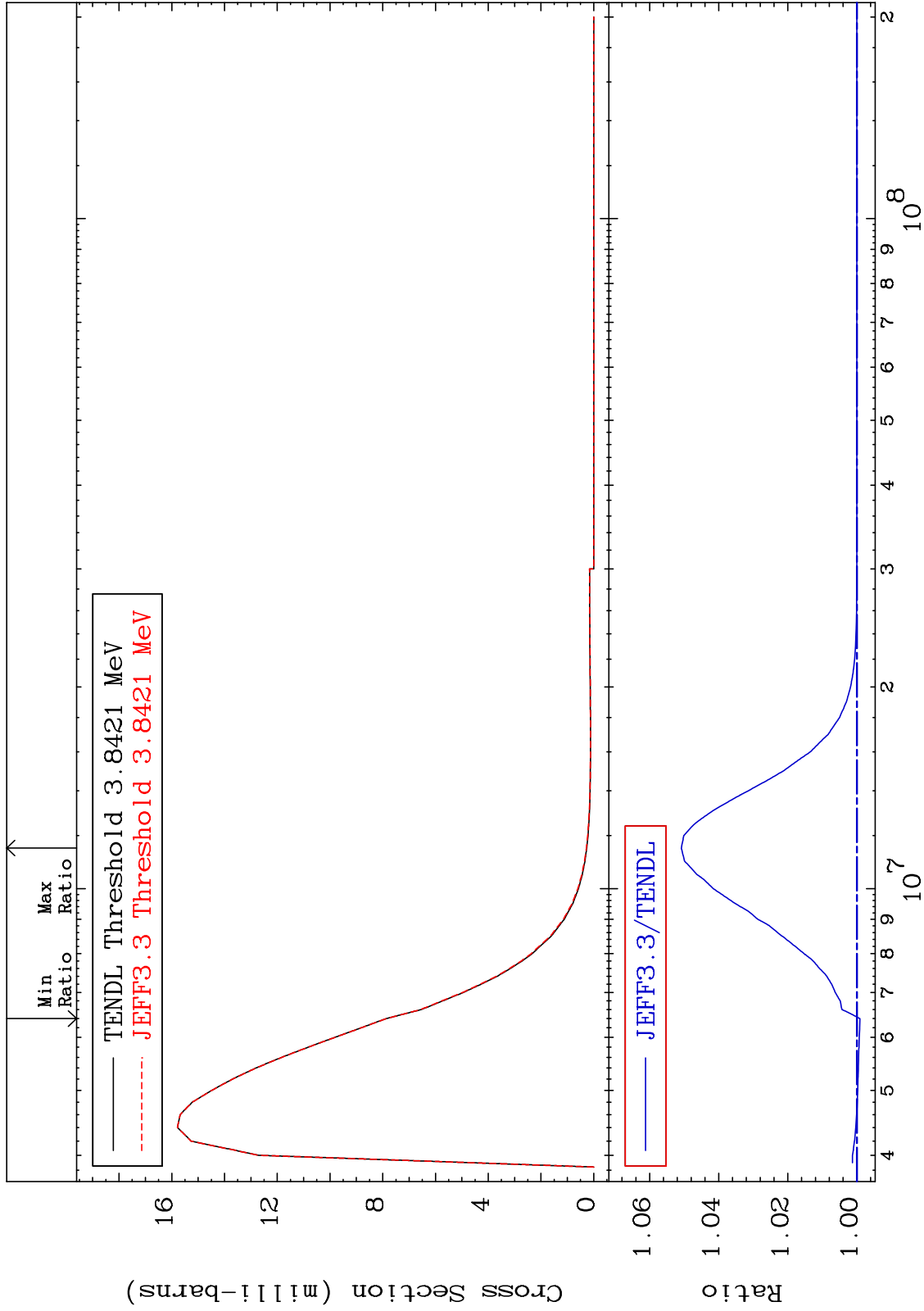




MAT 2219

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

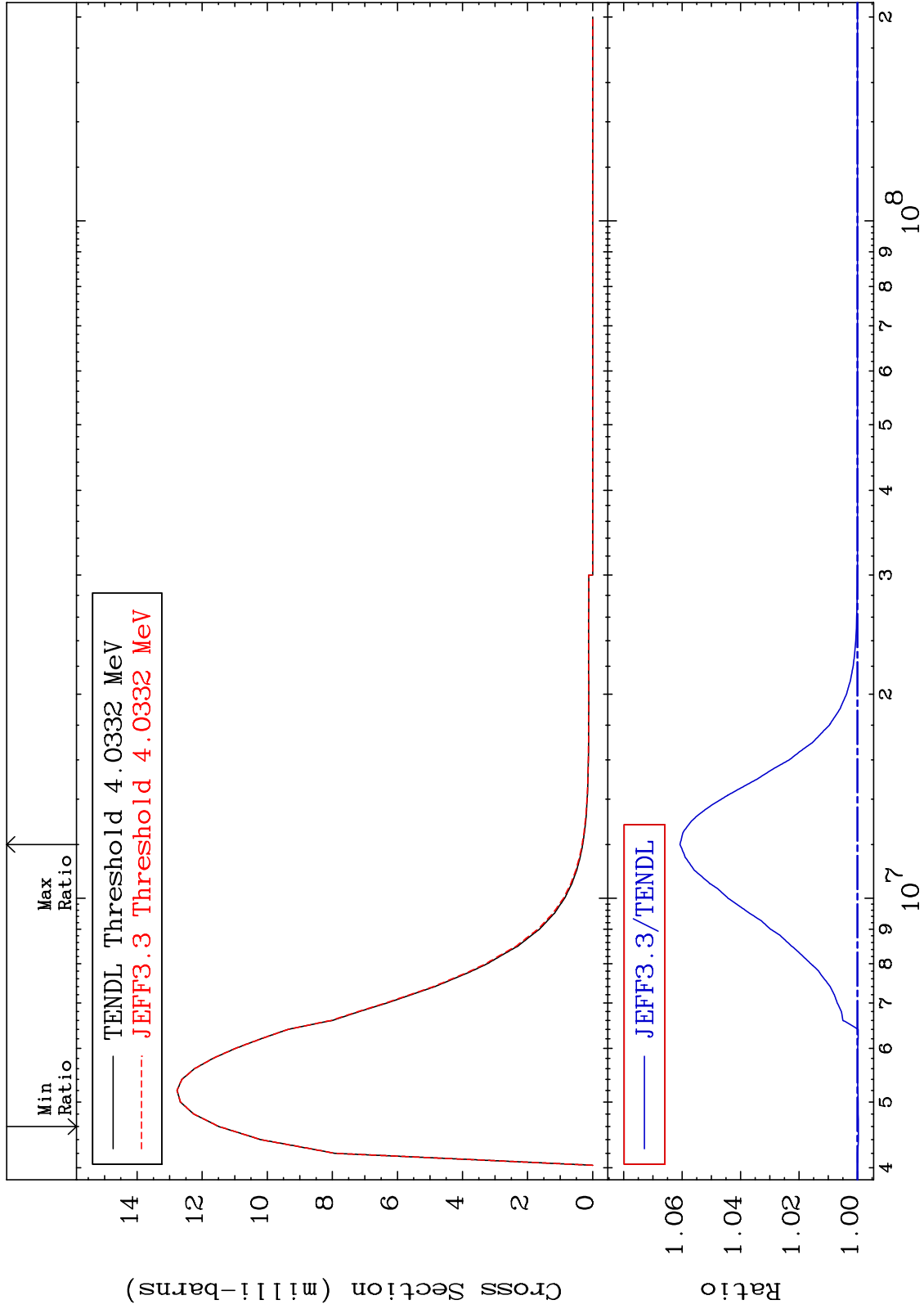
22-Ti-44  
-0.088 To 5.086 %



MAT 2219

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

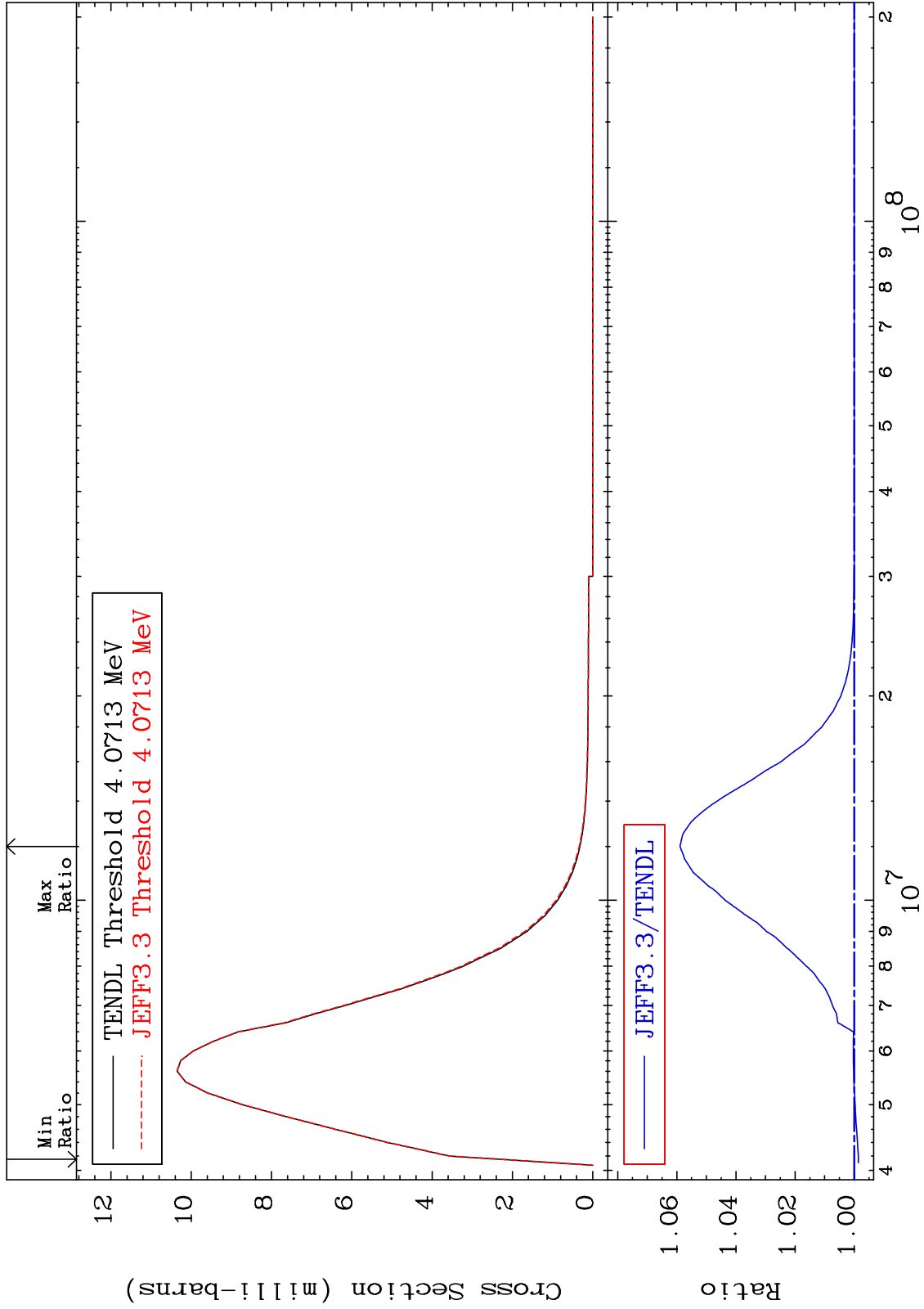
22-Ti-44  
-0.035 To 6.072 %



MAT 2219

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

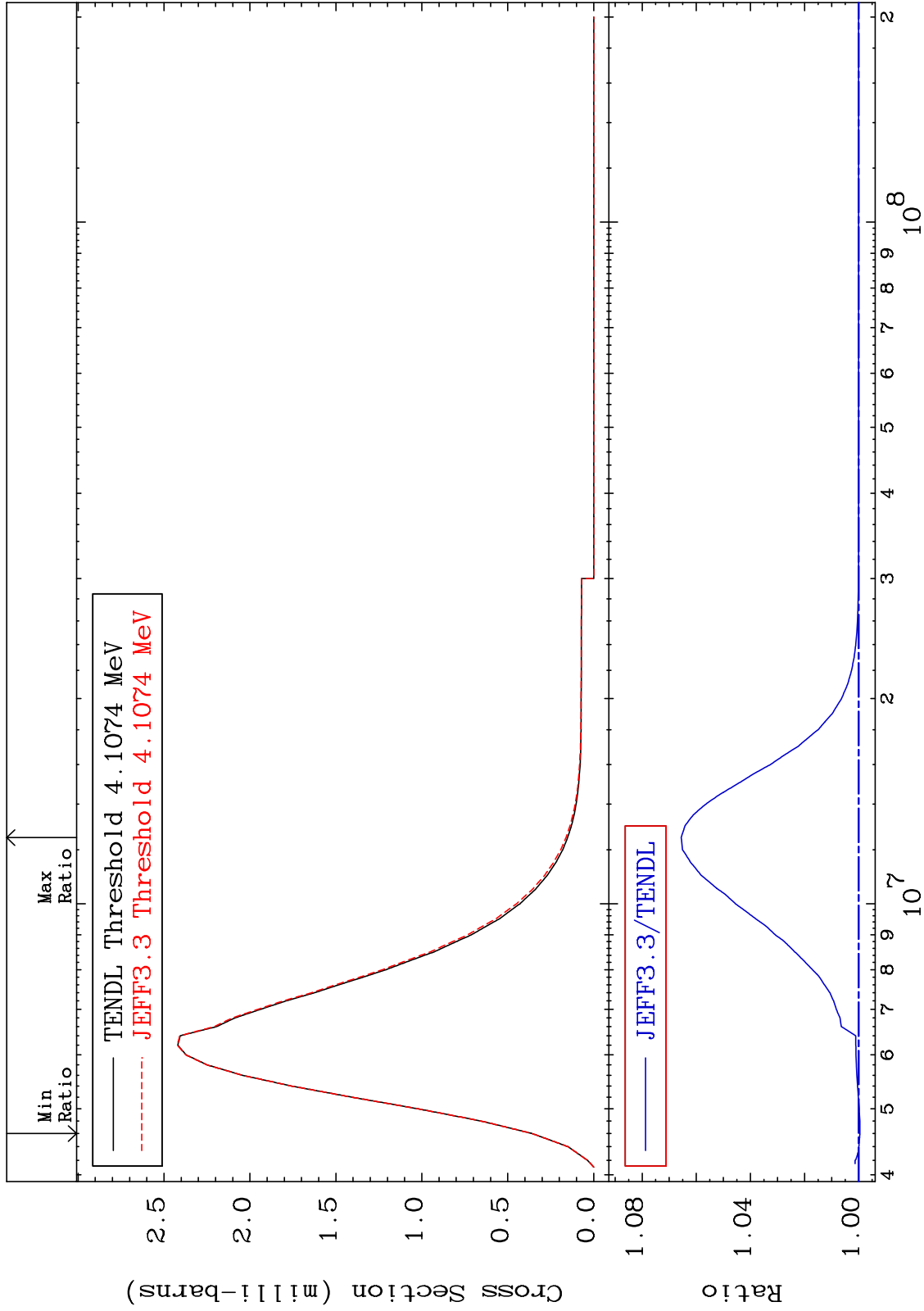
22-Ti-44  
-0.142 To 5.892 %



MAT 2219

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

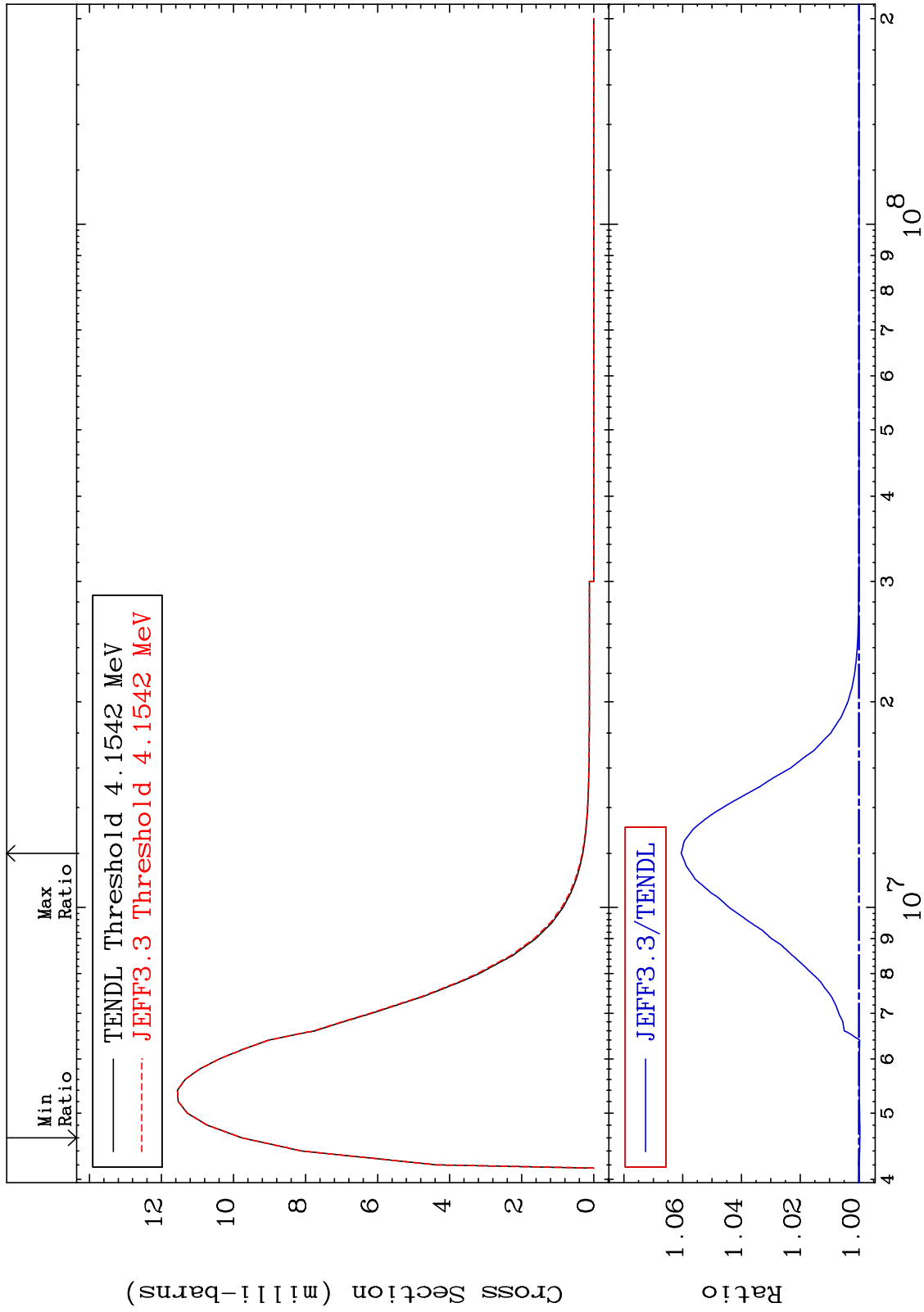
22-Ti-44  
-0.046 To 6.557 %



MAT 2219

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

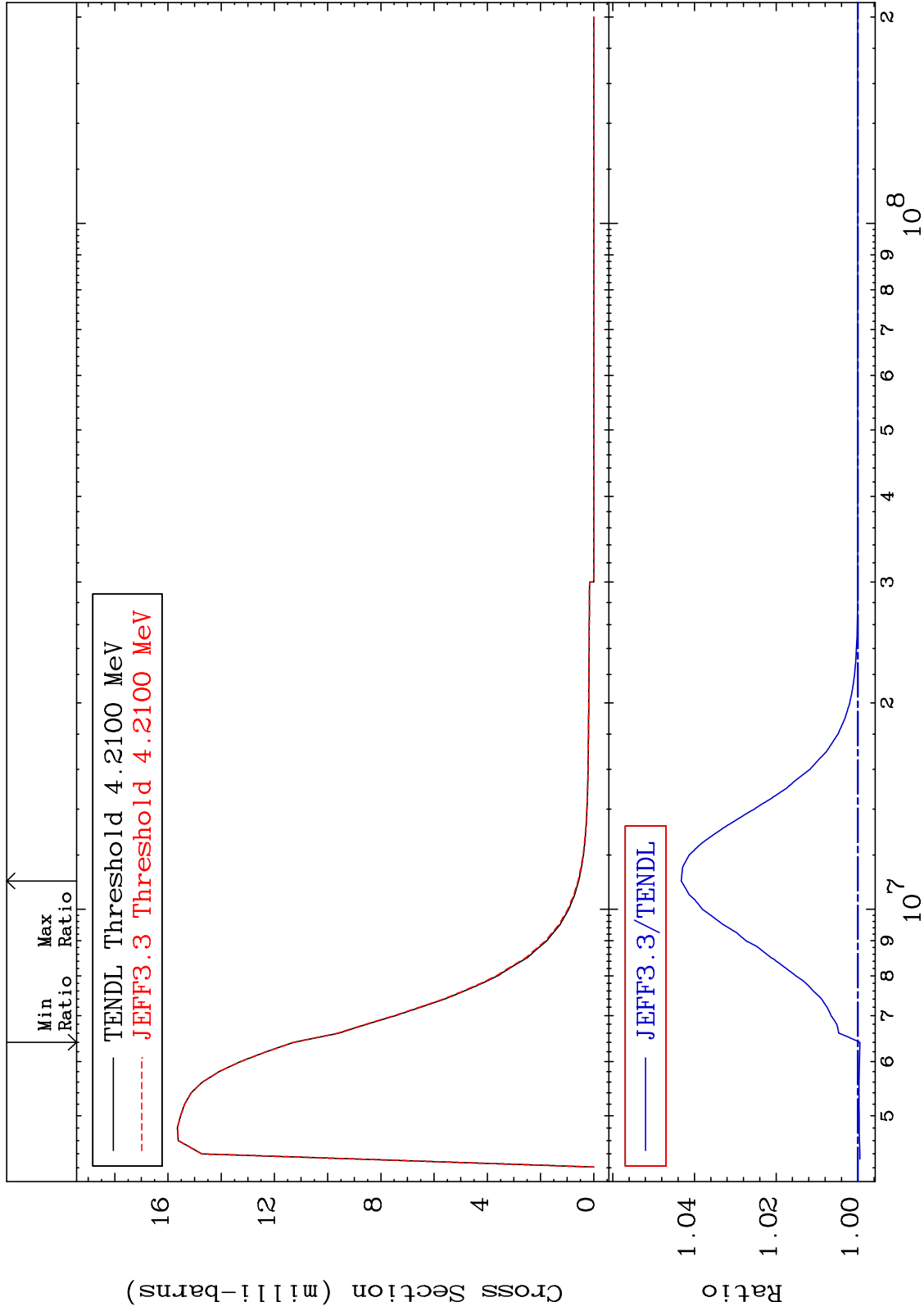
22-Ti-44  
-0.035 To 6.050 %



MAT 2219

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

22-Ti-44  
-0.052 To 4.323 %



29

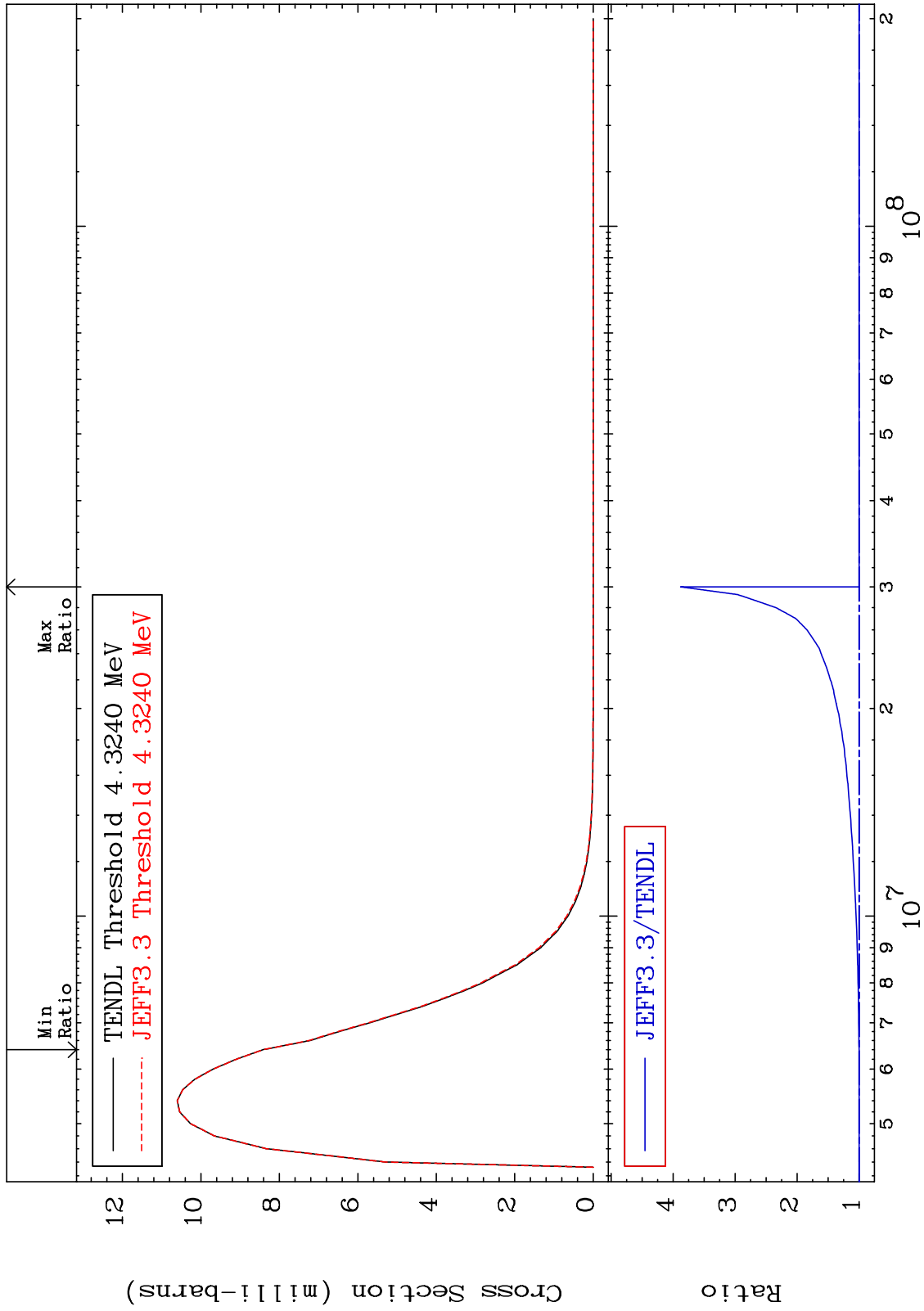
Incident Energy (eV)

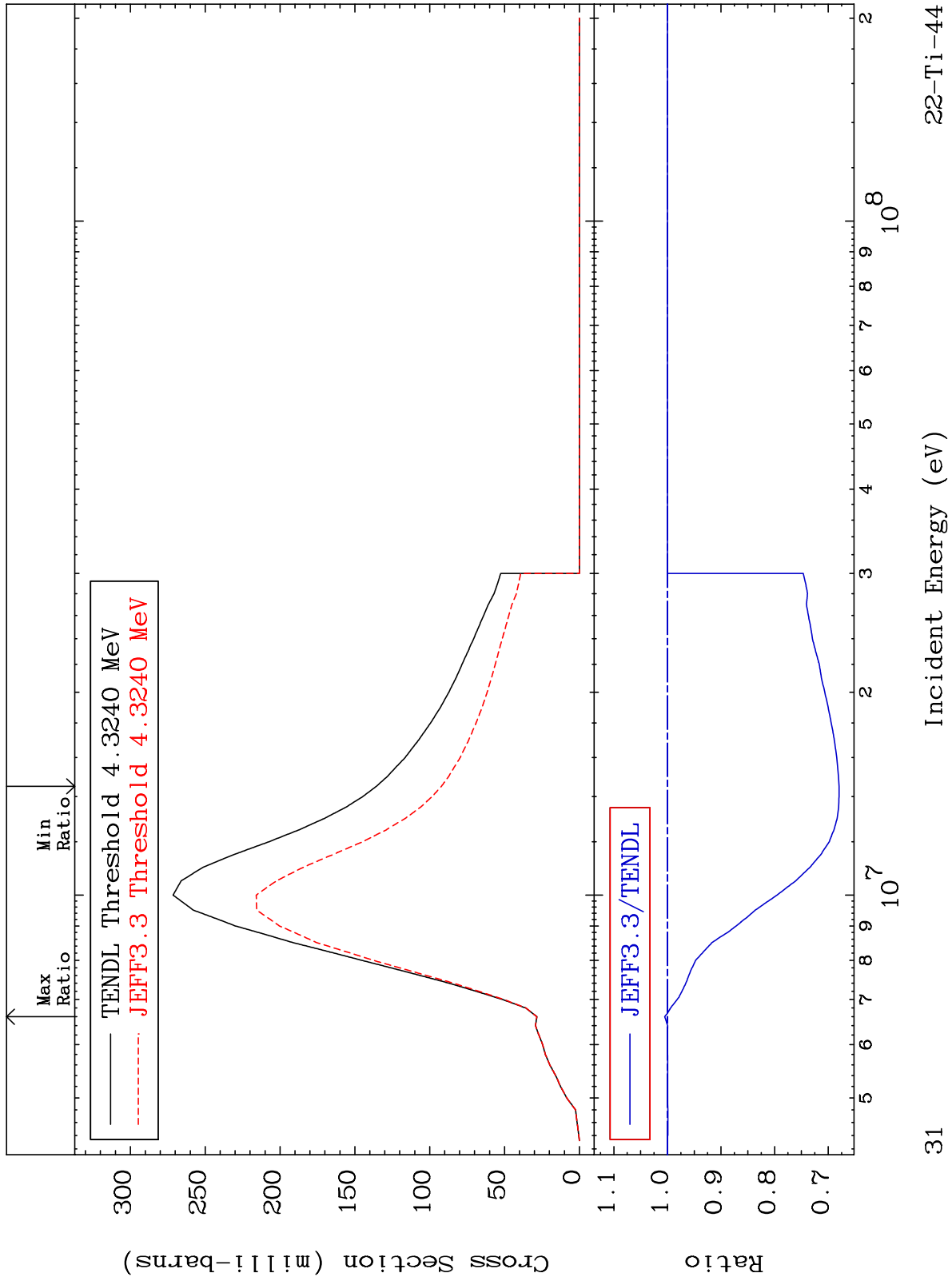
22-Ti-44

MAT 2219

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

22-Ti-44  
-0.068 To 288.0 %



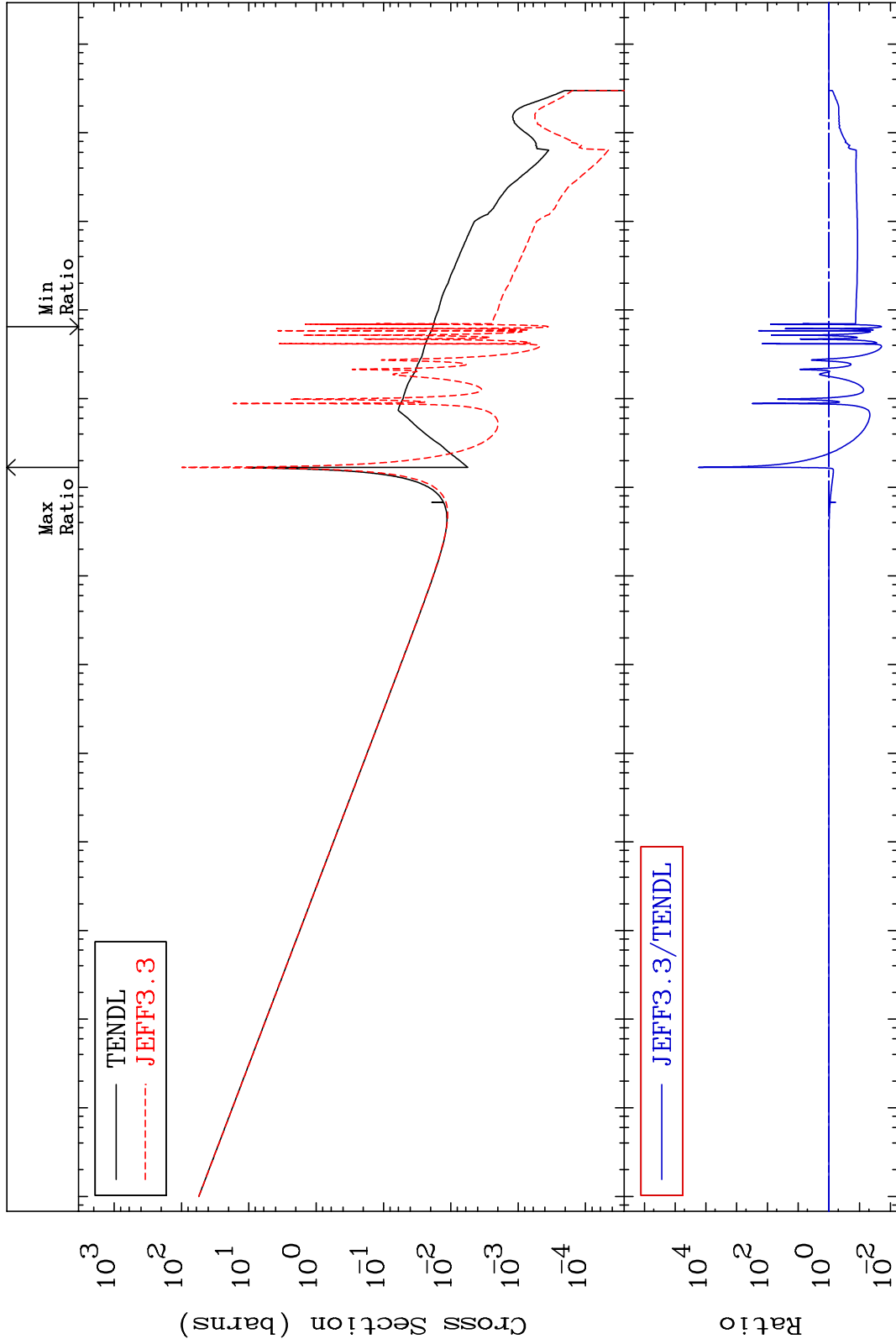




MAT 2219

(n,  $\gamma$ )  
Cross Section

22-Ti-44  
-98.06 To 9999. %



22-Ti-44

Incident Energy (eV)

32

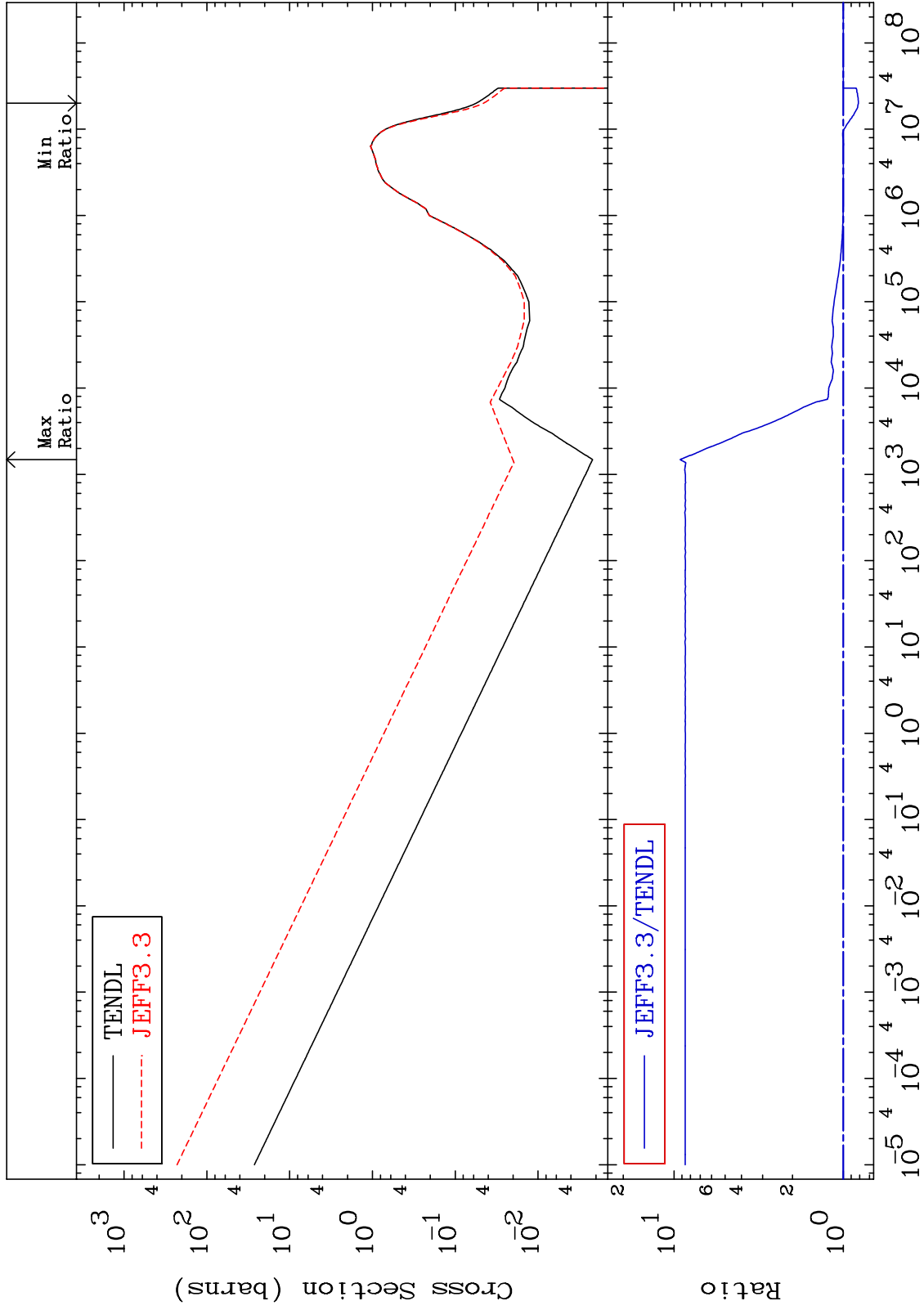
MAT 2219

(n,p)

<sup>22</sup>Ti-44

Cross Section

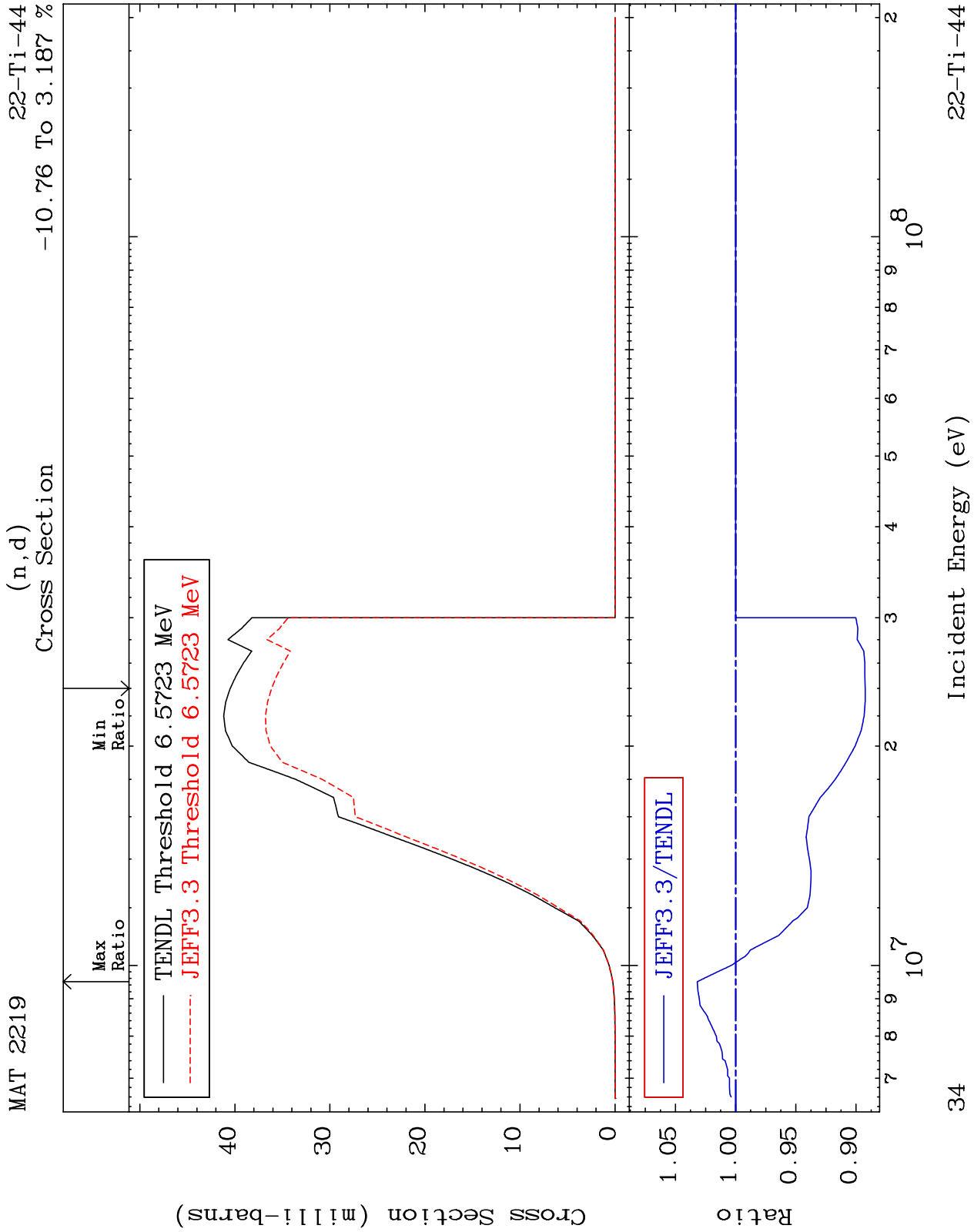
-18.53 To 822.6 %



Incident Energy (eV)

<sup>22</sup>Ti-44

33



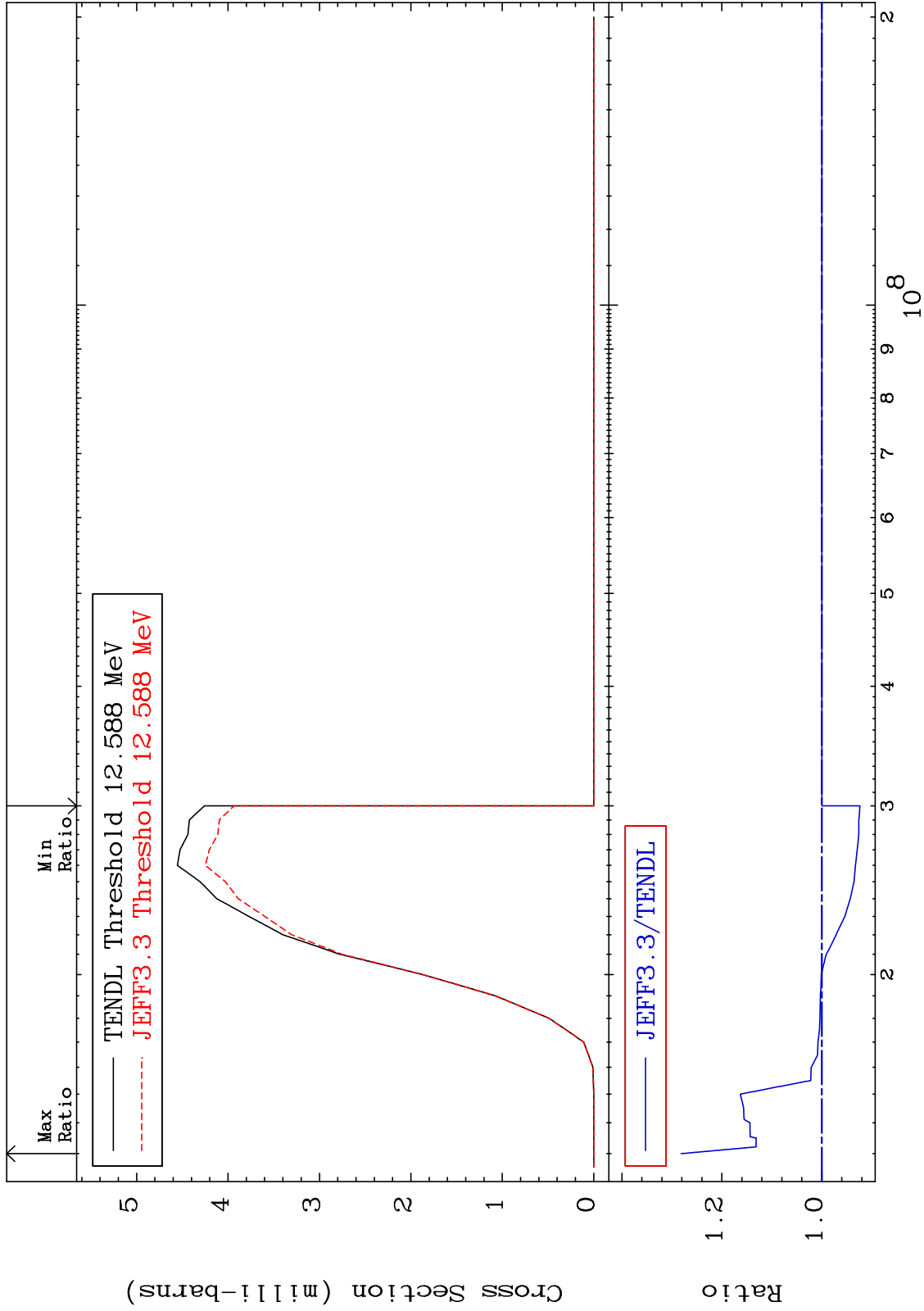
MAT 2219

(n, t)

22-Ti-44

Cross Section

-7.619 To 28.12 %



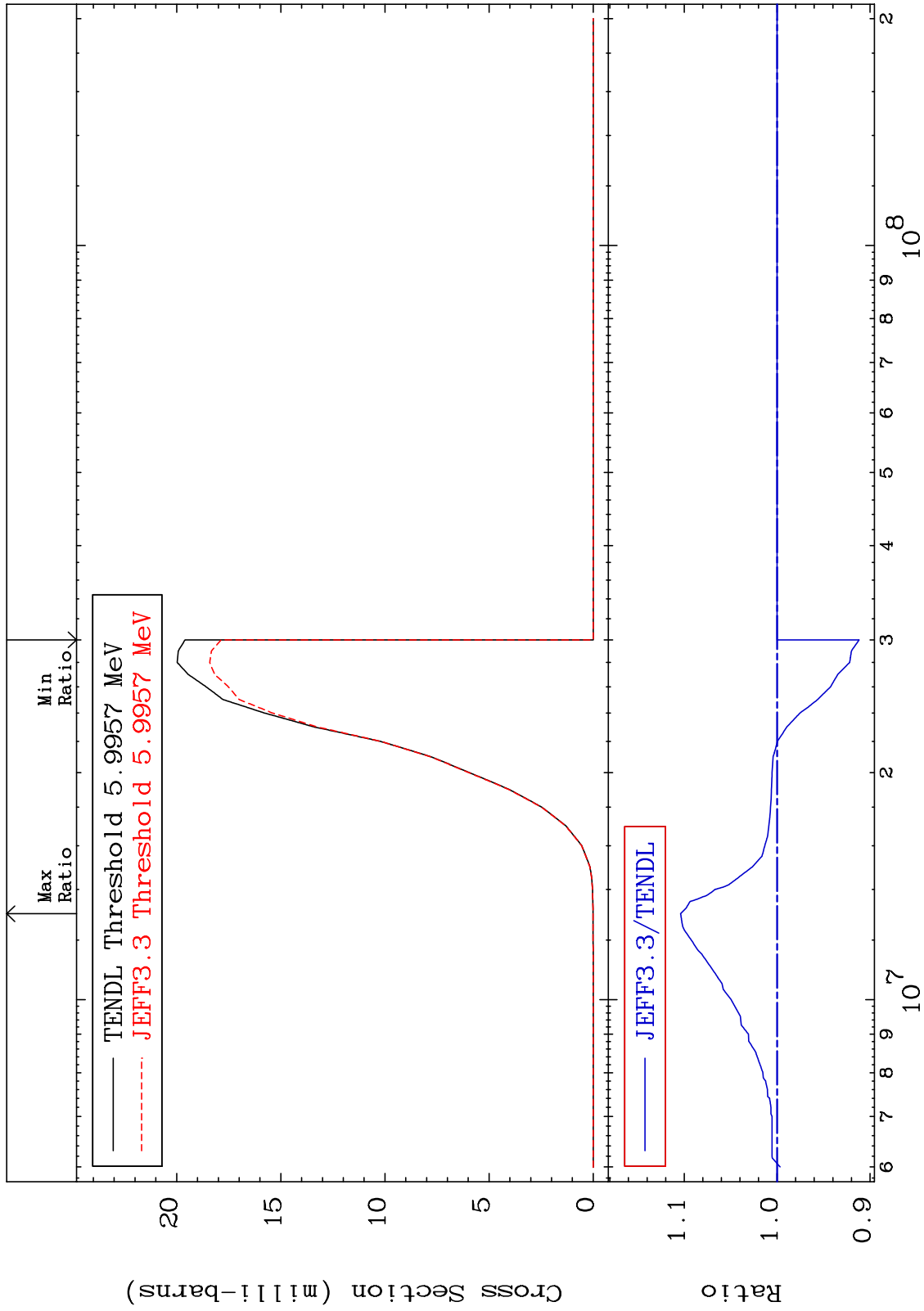
MAT 2219

(n, He-3)

22-Ti-44

Cross Section

-8.835 To 10.39 %



36

Incident Energy (eV)

22-Ti-44

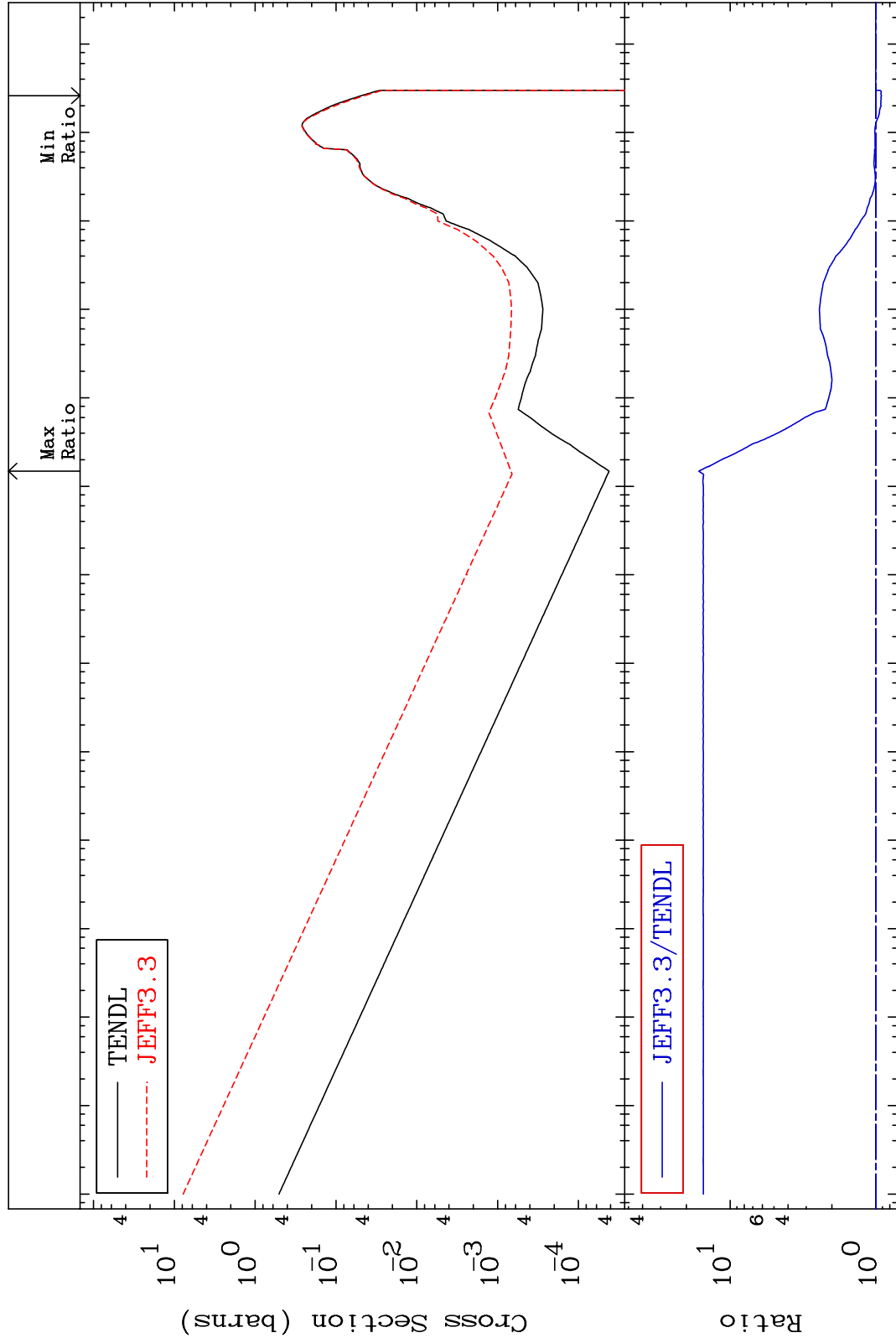
MAT 2219

(n,  $\alpha$ )

22-Ti-44

Cross Section

-8.864 To 1545. %



Incident Energy (eV)

22-Ti-44

37

MAT 2219

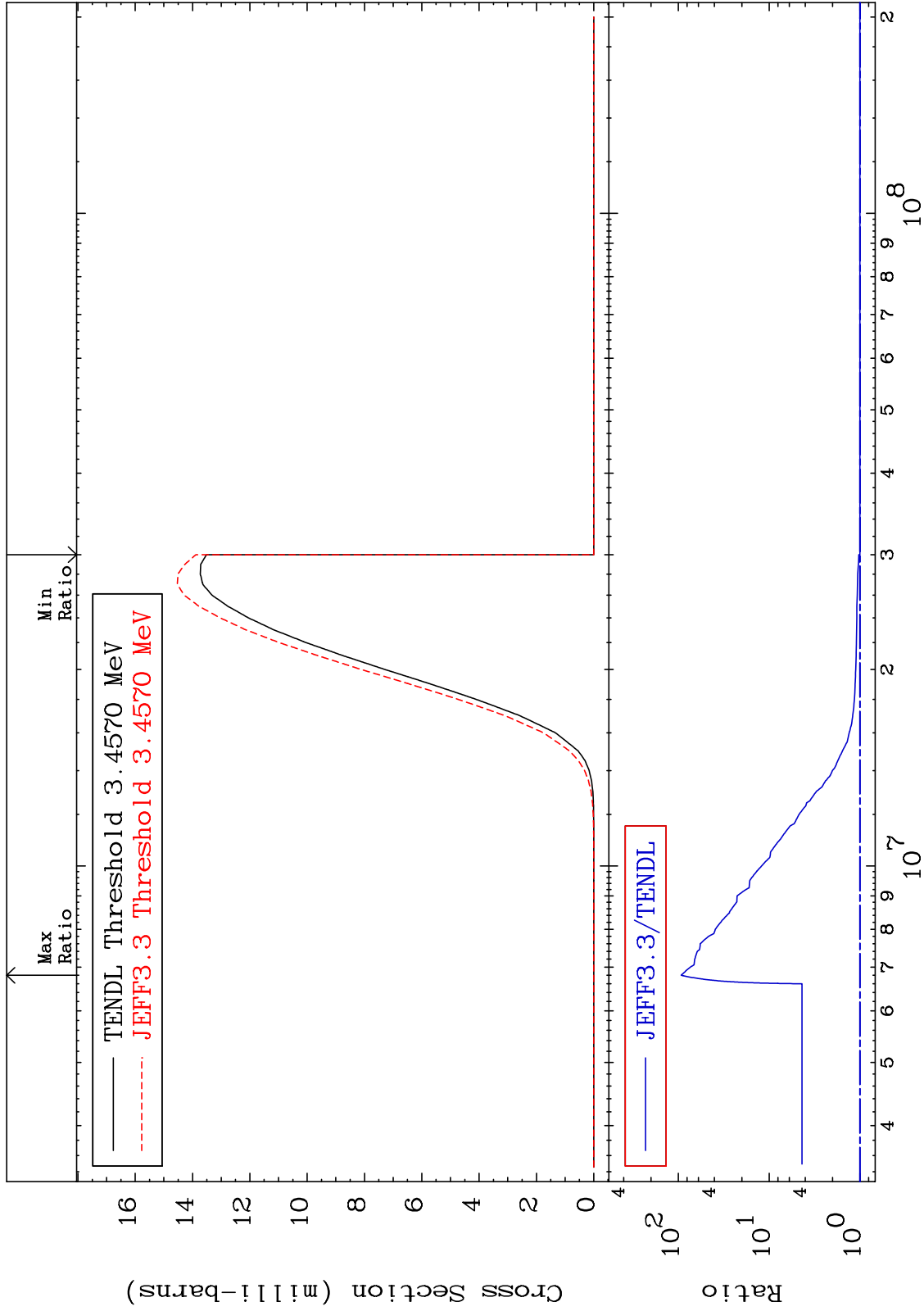
(n,2α)

22-Ti-44

Cross Section

Cross Section

0.000 To 9191. %



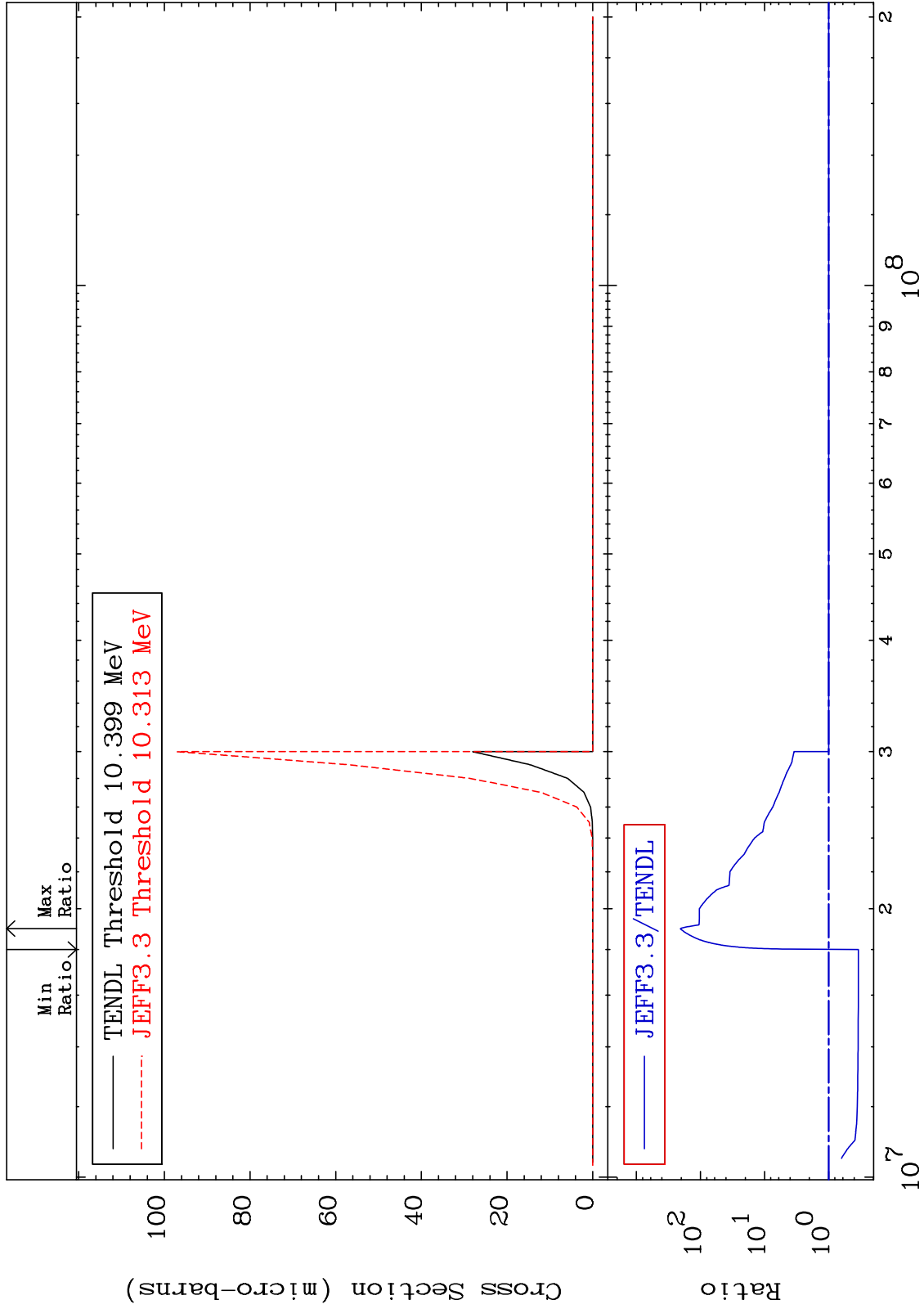
MAT 2219

(n,3 $\alpha$ )

22-Ti-44

Cross Section

-65.69 To 9999. %

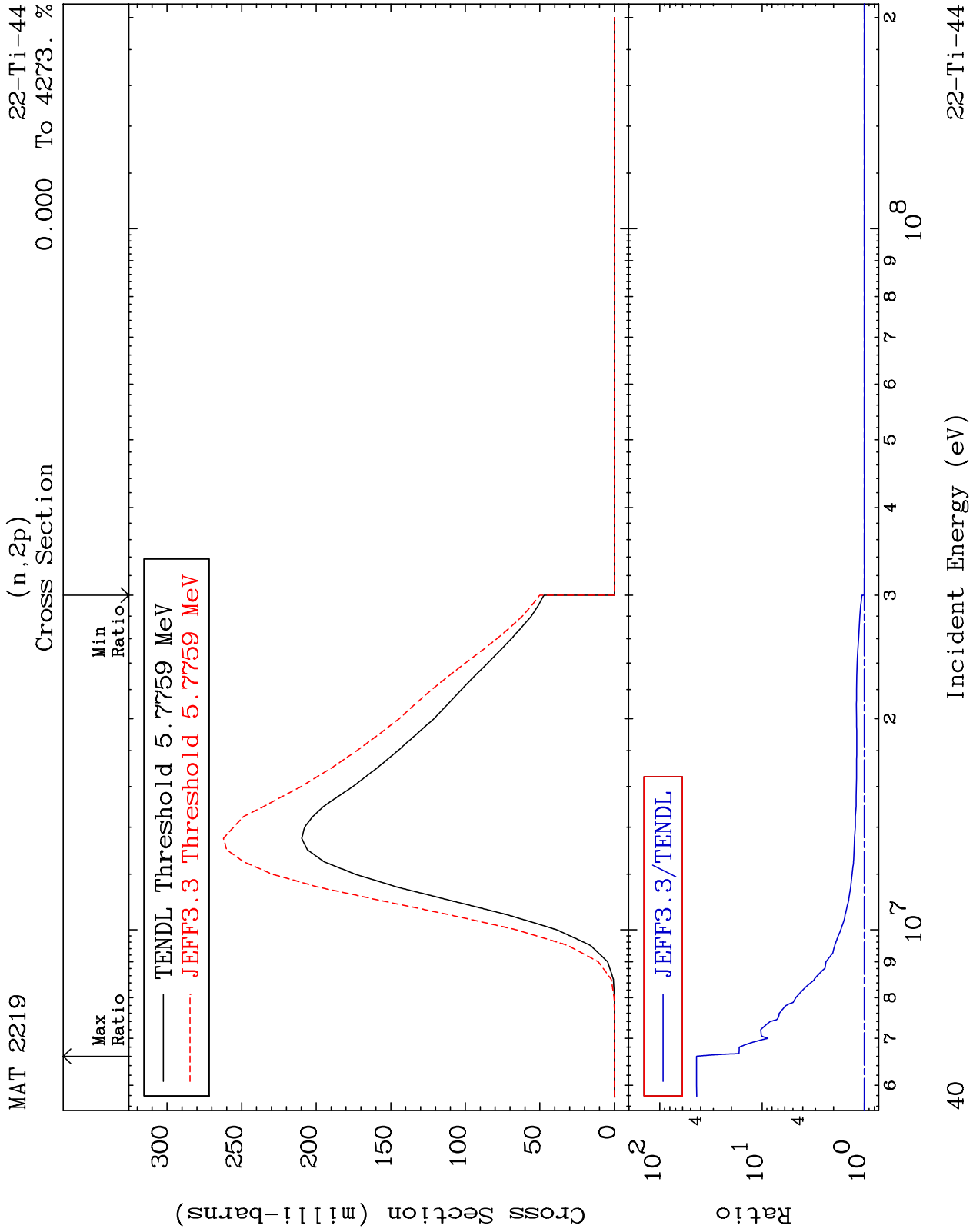


39

Incident Energy (eV)

22-Ti-44

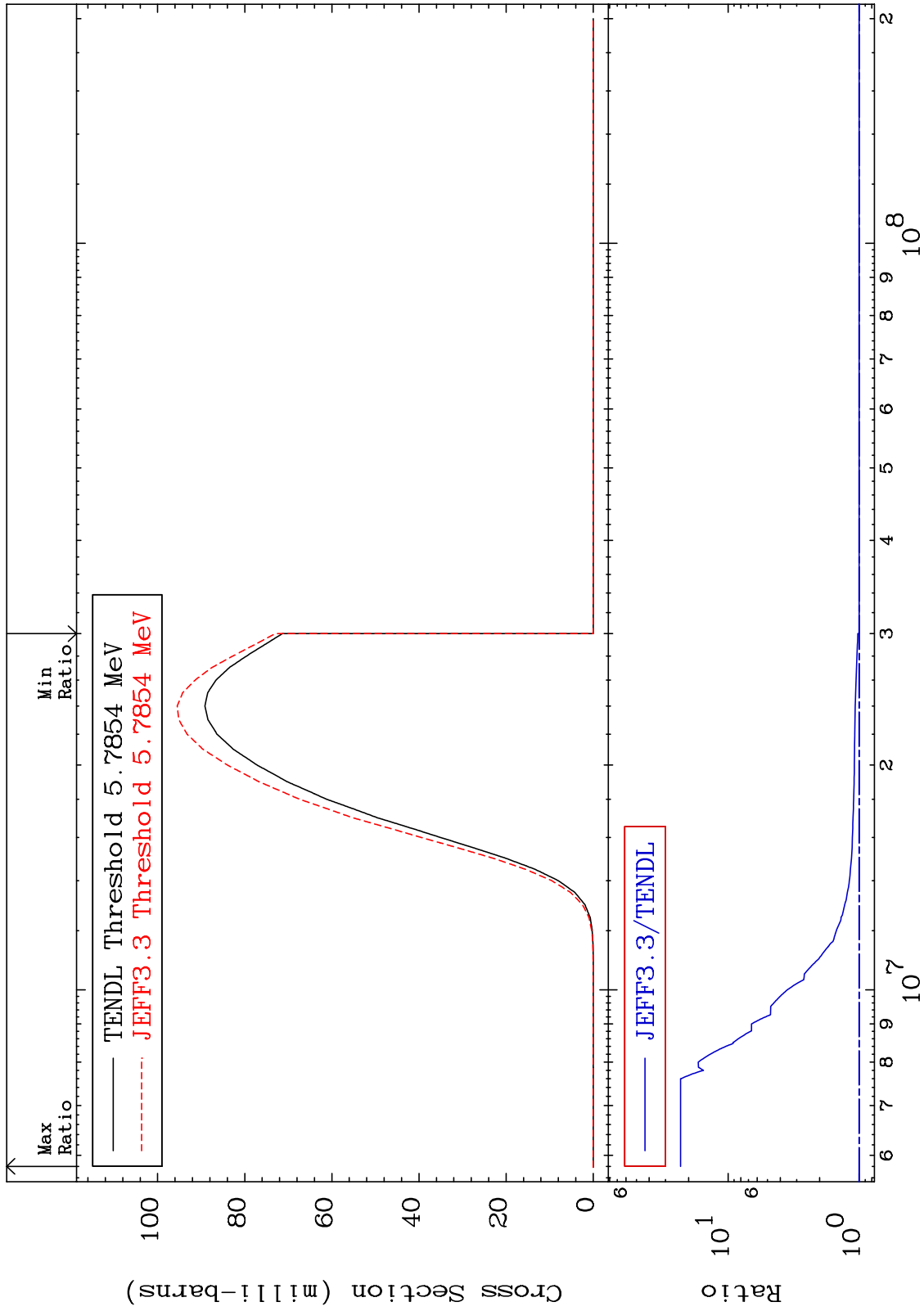




MAT 2219

(n,p)  $\alpha$

22-Ti-44  
0.000 To 2199. %



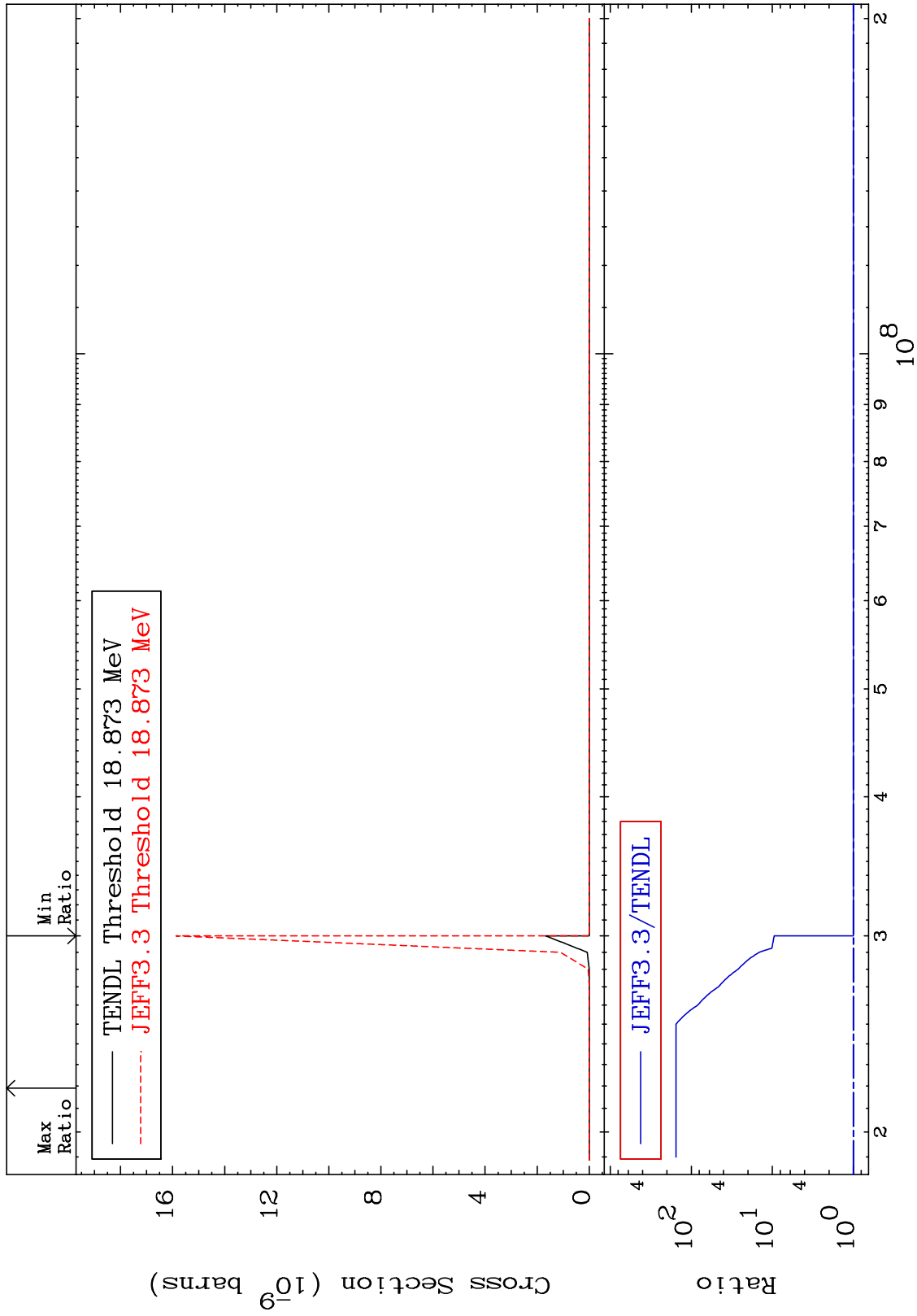
MAT 2219

(n,d) 2 $\alpha$

22-Ti-44

Cross Section

0.000 To 9999. %



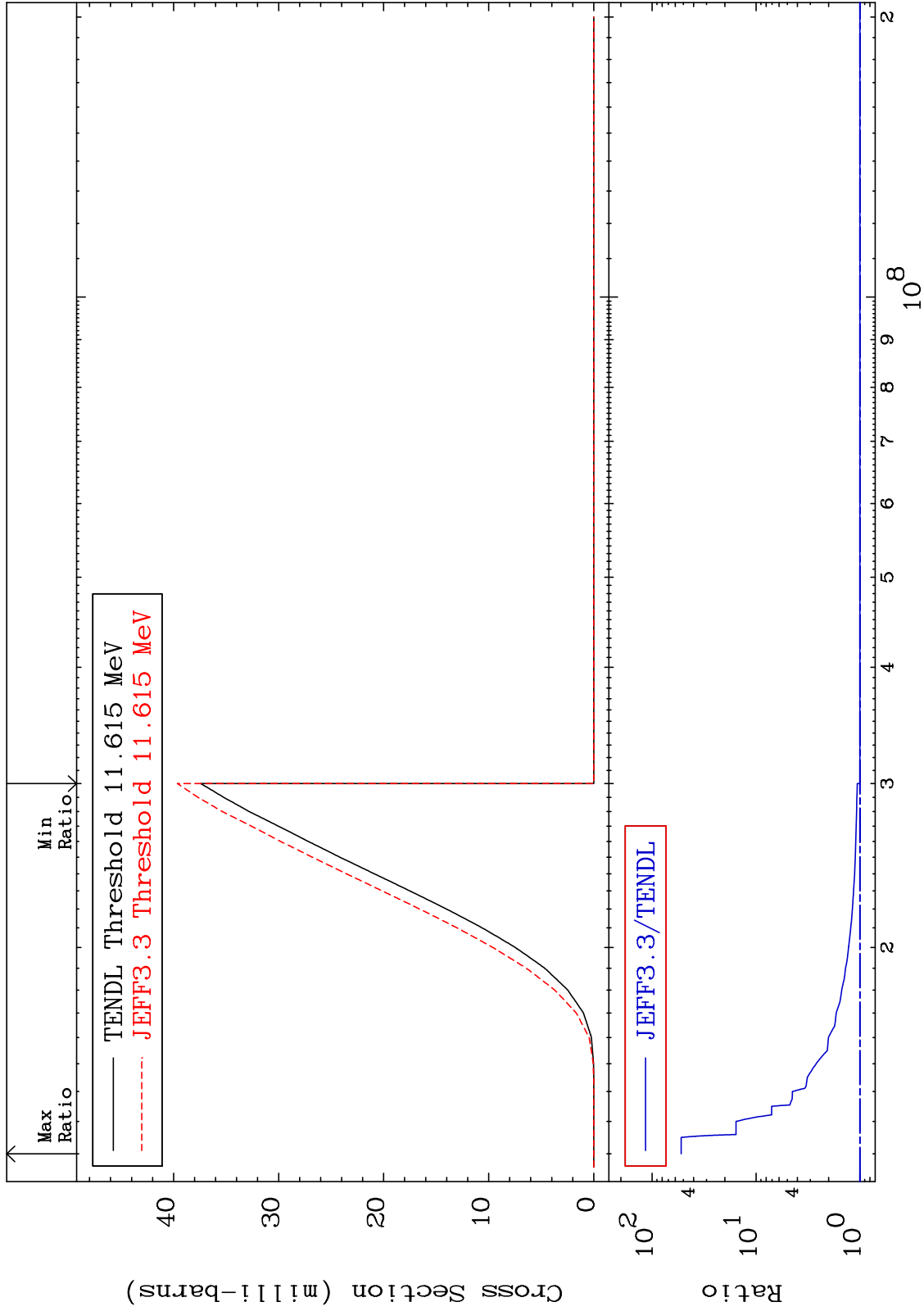
MAT 2219

(n,p) d

22-Ti-44

Cross Section

0.000 To 5152. %

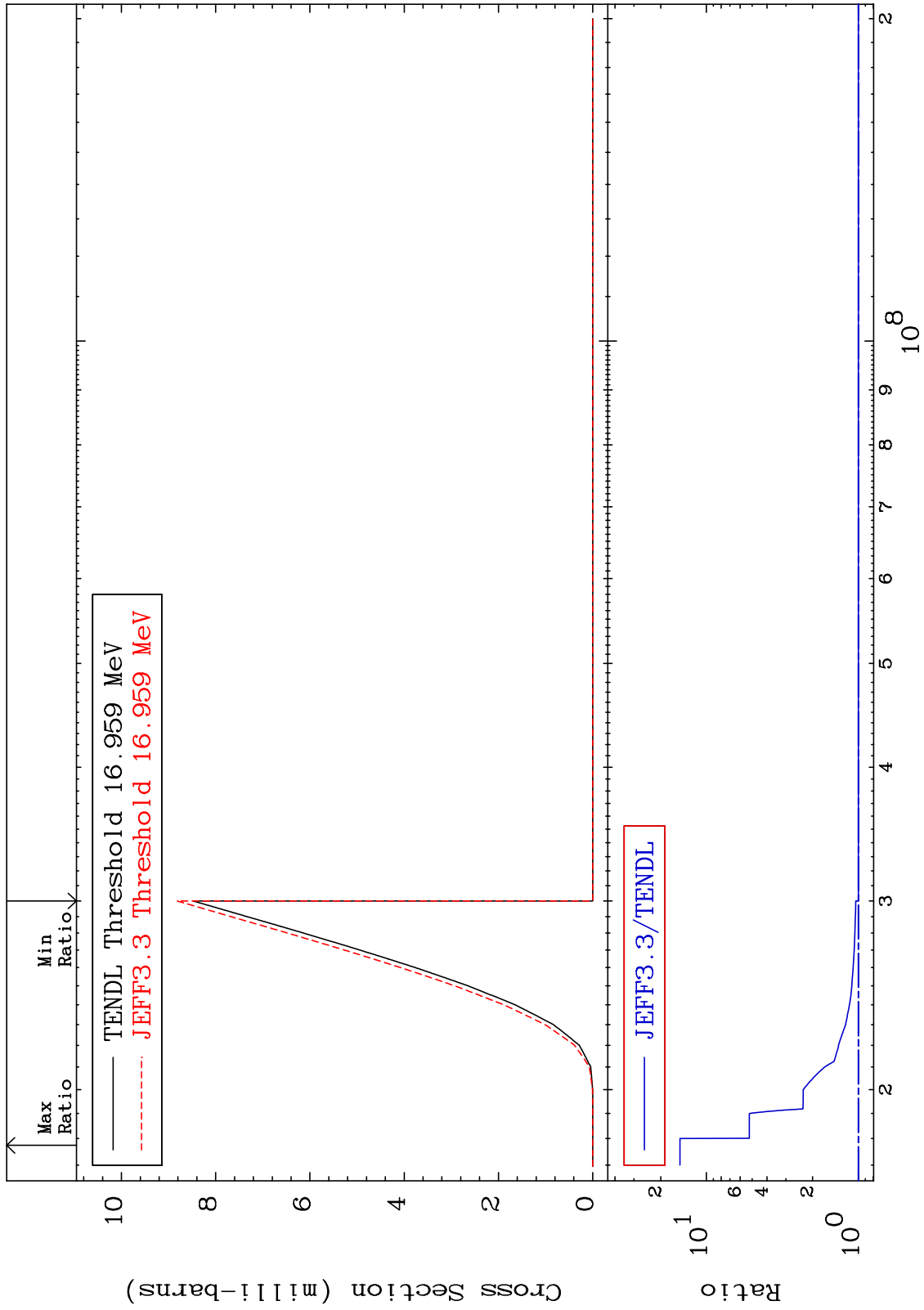


22-Ti-44

Incident Energy (eV)

43

MAT 2219 (n,p) t 22-Ti-44  
 Cross Section 0.000 To 1392. %



22-Ti-44

Incident Energy (eV)

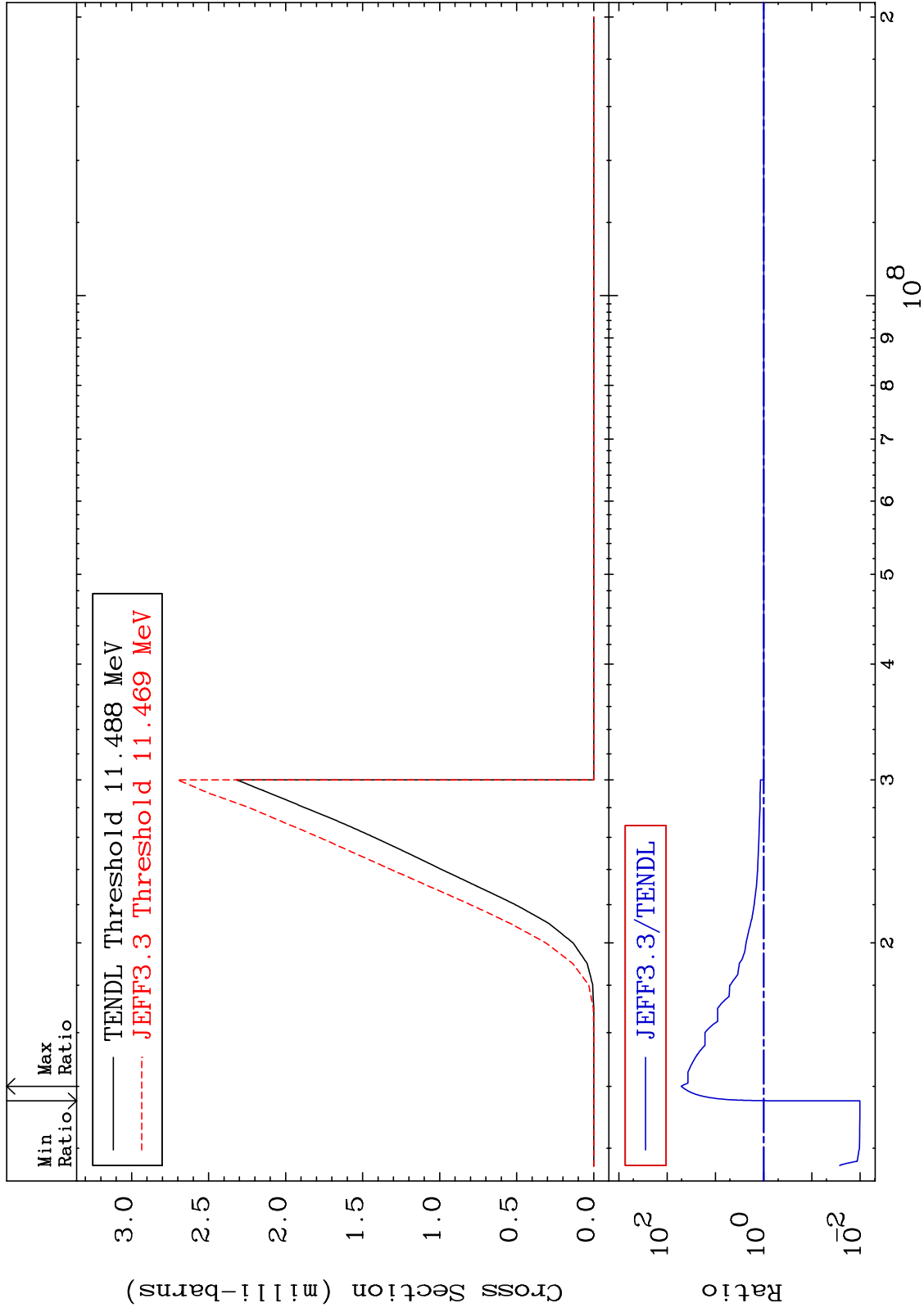
MAT 2219

(n,d)  $\alpha$

22-Ti-44

Cross Section

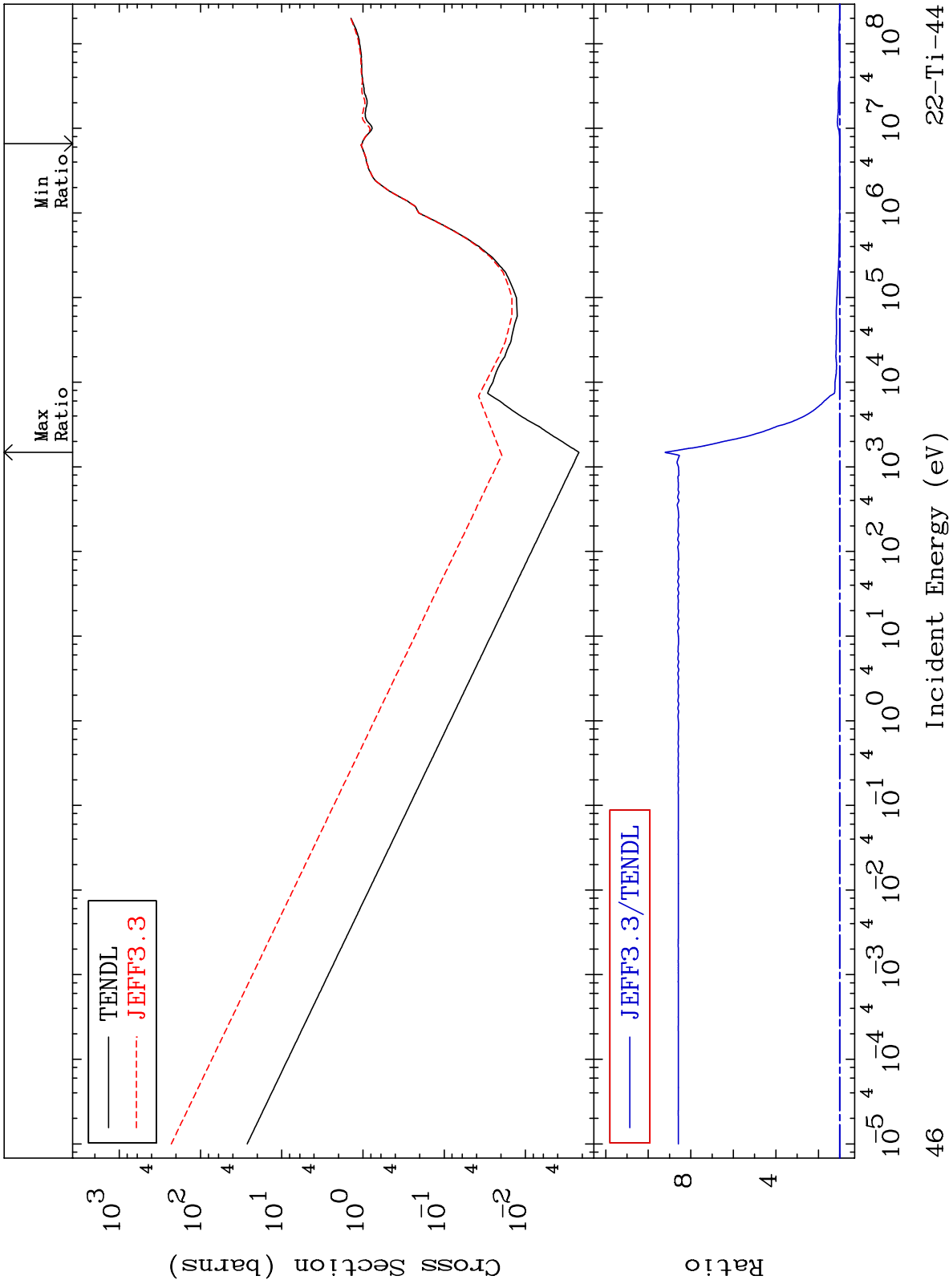
-98.99 To 5005. %



MAT 2219

Hydrogen Production  
Cross Section

22-Ti-44  
-0.146 To 822.6 %



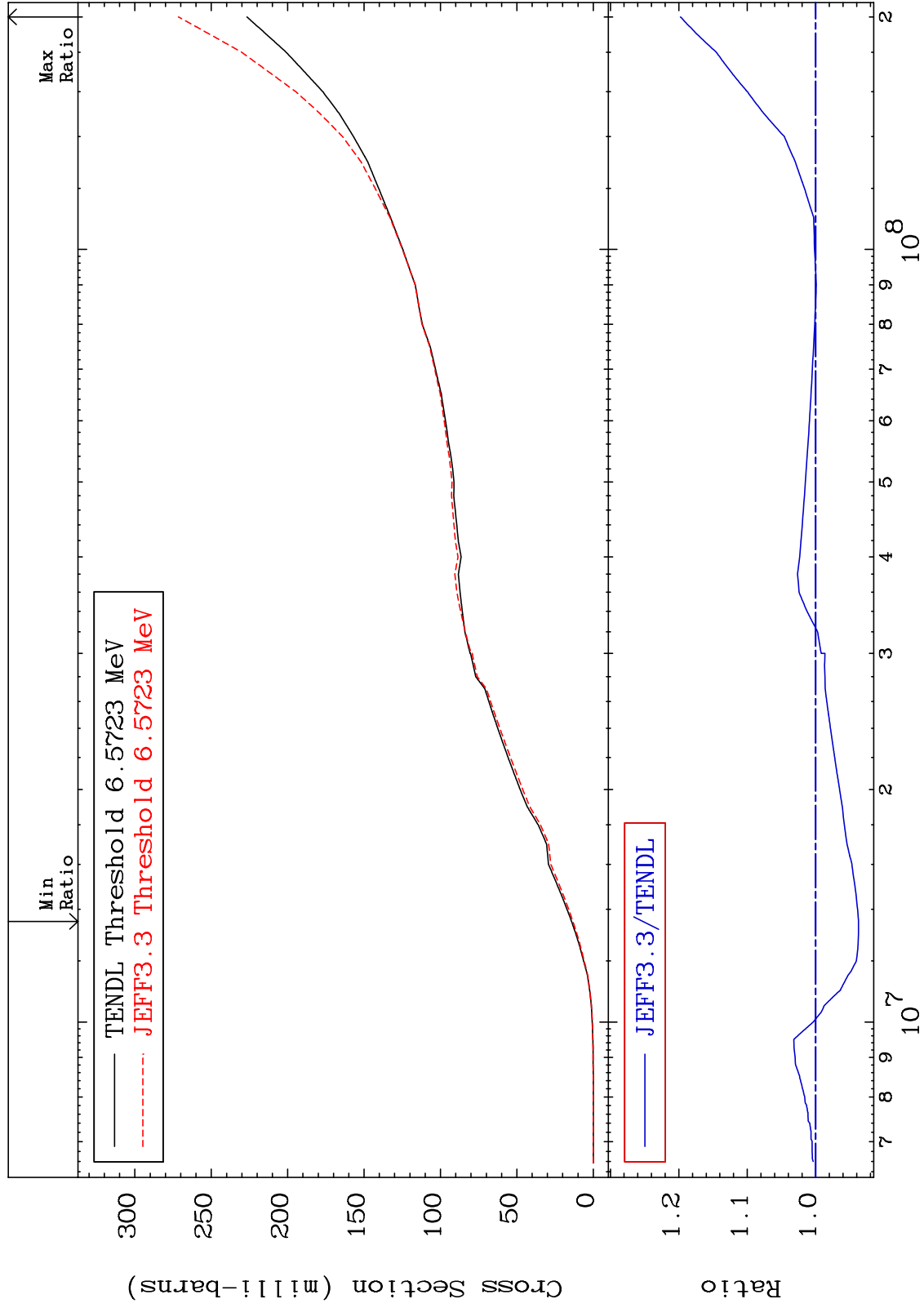
46

22-Ti-44

MAT 2219

Deuterium Production  
Cross Section

22-Ti-44  
-6.261 To 19.76 %



47

Incident Energy (eV)

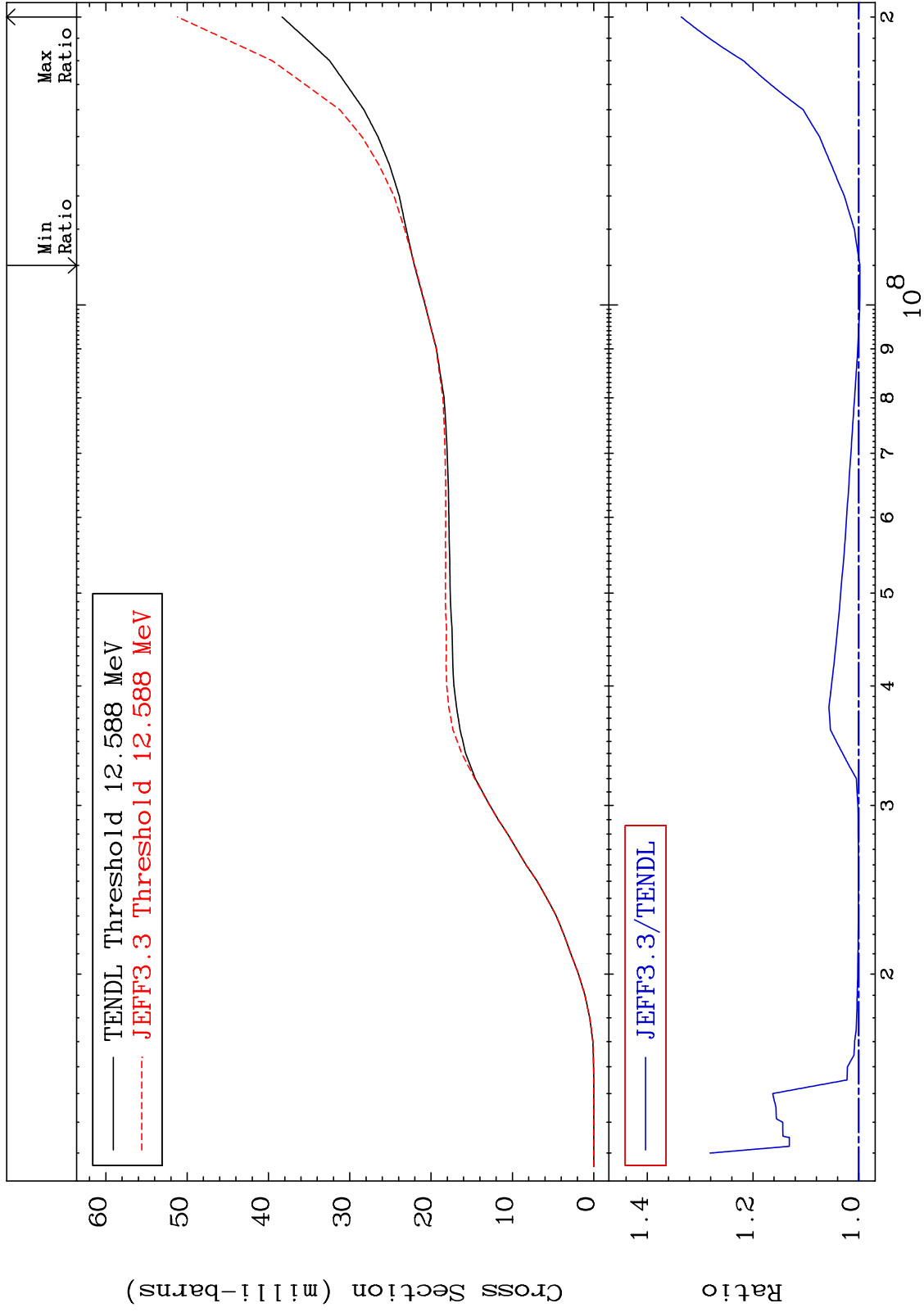
22-Ti-44



MAT 2219

Tritium Production  
Cross Section

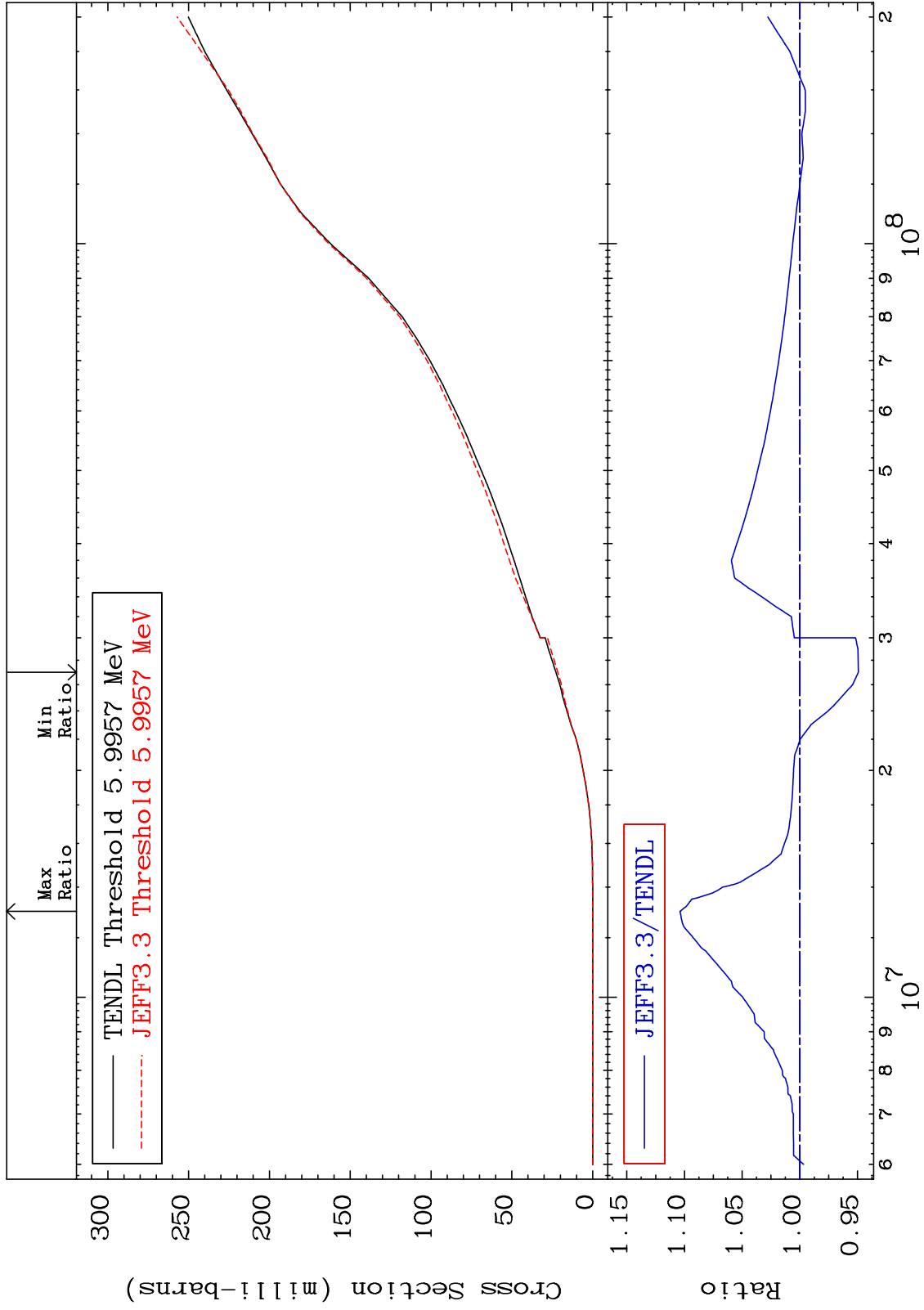
22-Ti-44  
-0.232 To 33.57 %



MAT 2219

He-3 Production  
Cross Section

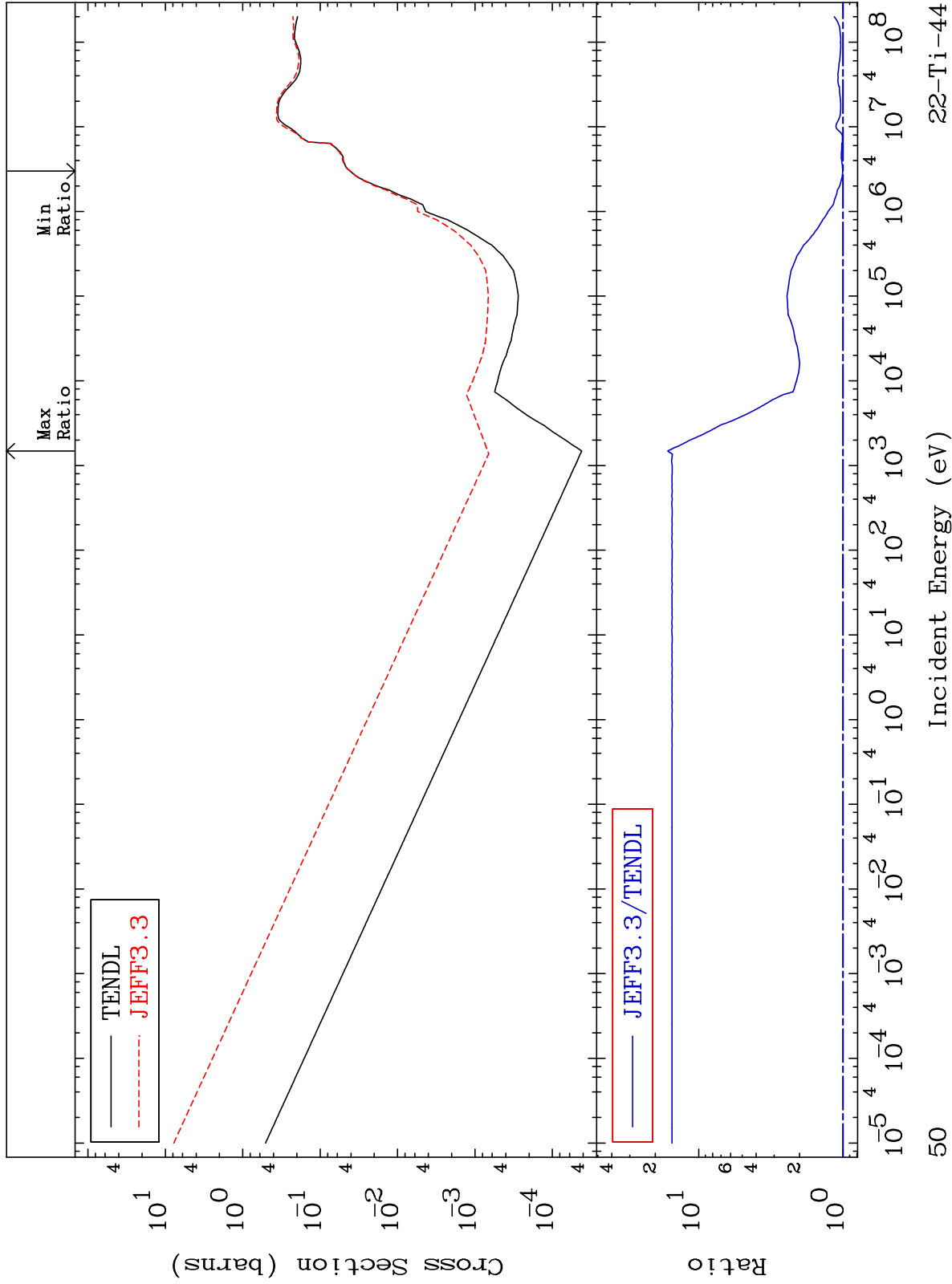
22-Ti-44  
-5.083 To 10.39 %



MAT 2219

He-4 Production  
Cross Section

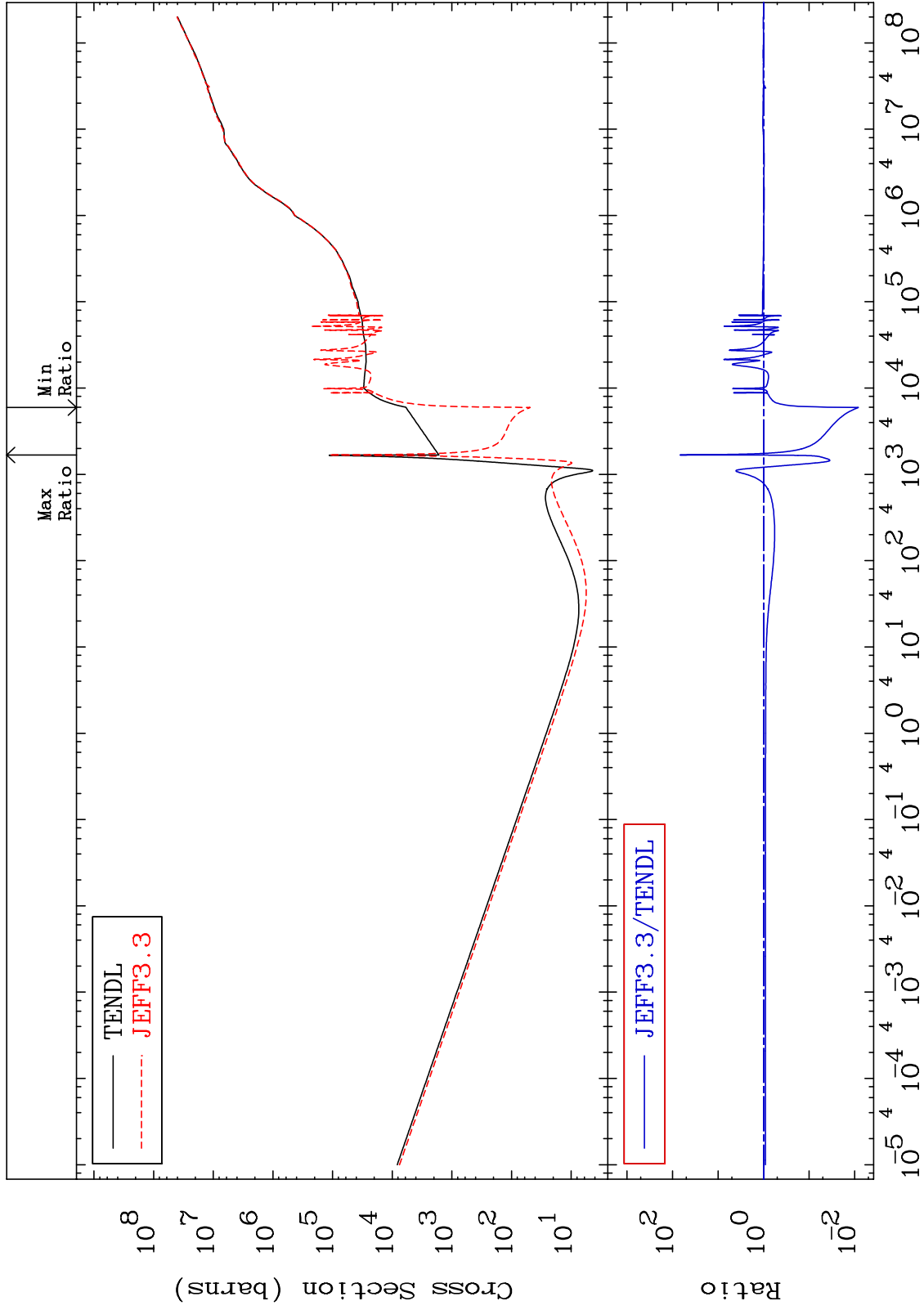
22-Ti-44  
0.547 To 1545. %



MAT 2219

Kerma total (eV-barns)  
Cross Section

22-Ti-44  
-99.17 To 6755. %



51

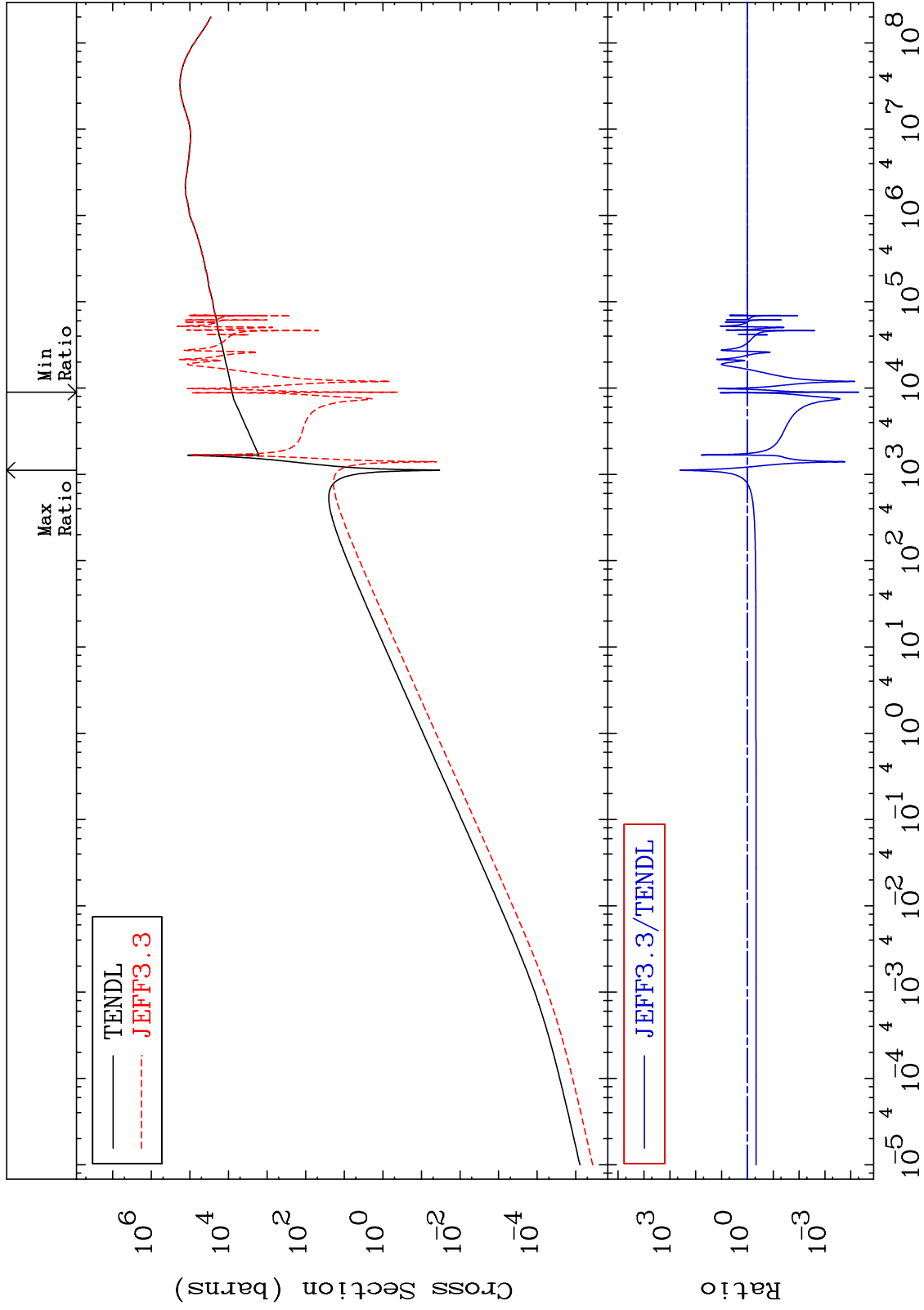
Incident Energy (eV)

22-Ti-44

MAT 2219

Kerma elastic  
Cross Section

22-Ti-44  
-99.99 To 9999. %



52

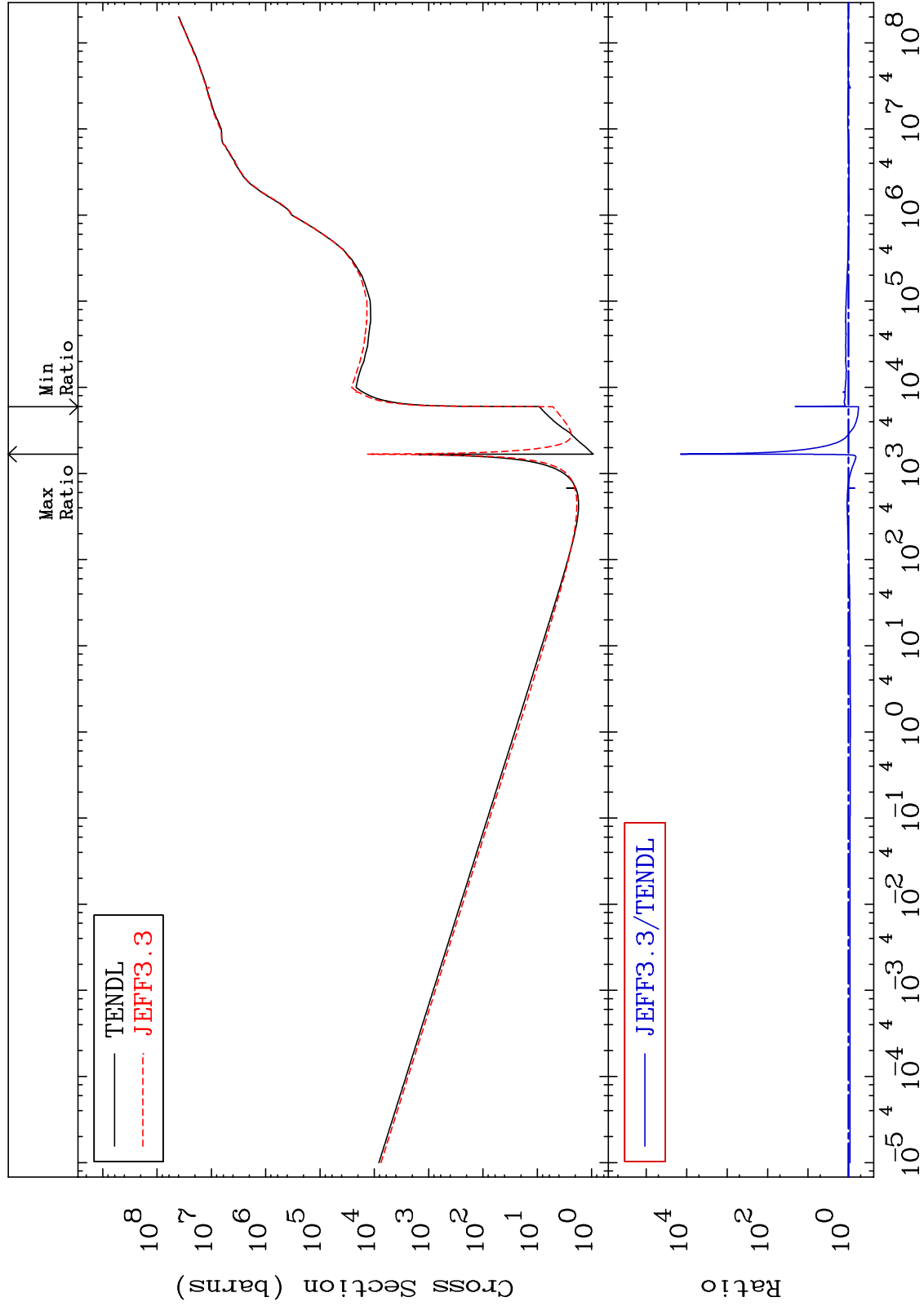
Incident Energy (eV)

22-Ti-44

MAT 2219

Kerma non-elastic (all but mt2)  
Cross Section

22-Ti-44  
-43.40 To 9999. %



53

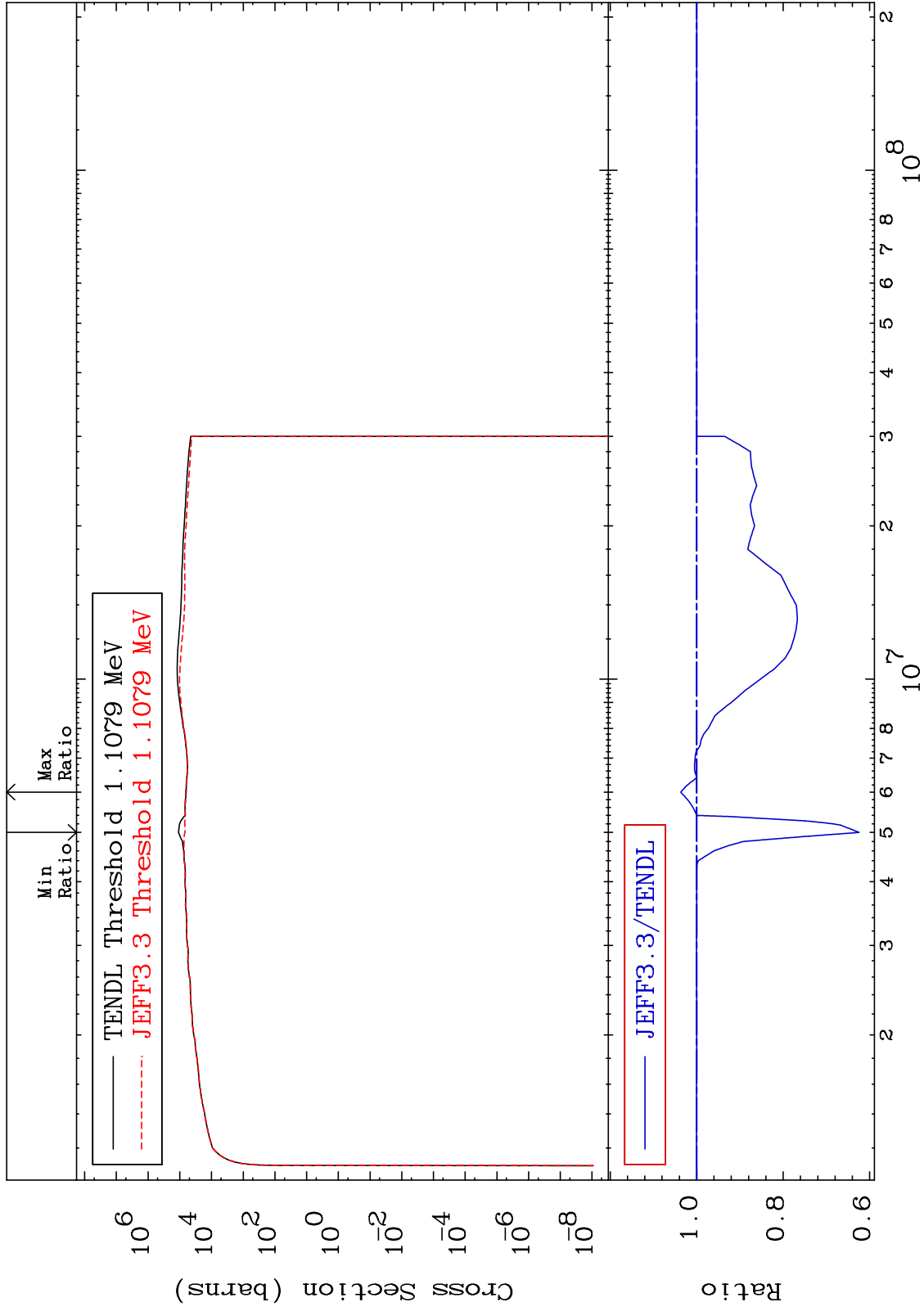
Incident Energy (eV)

22-Ti-44

MAT 2219

Kerma inelastic (mt51-91)  
Cross Section

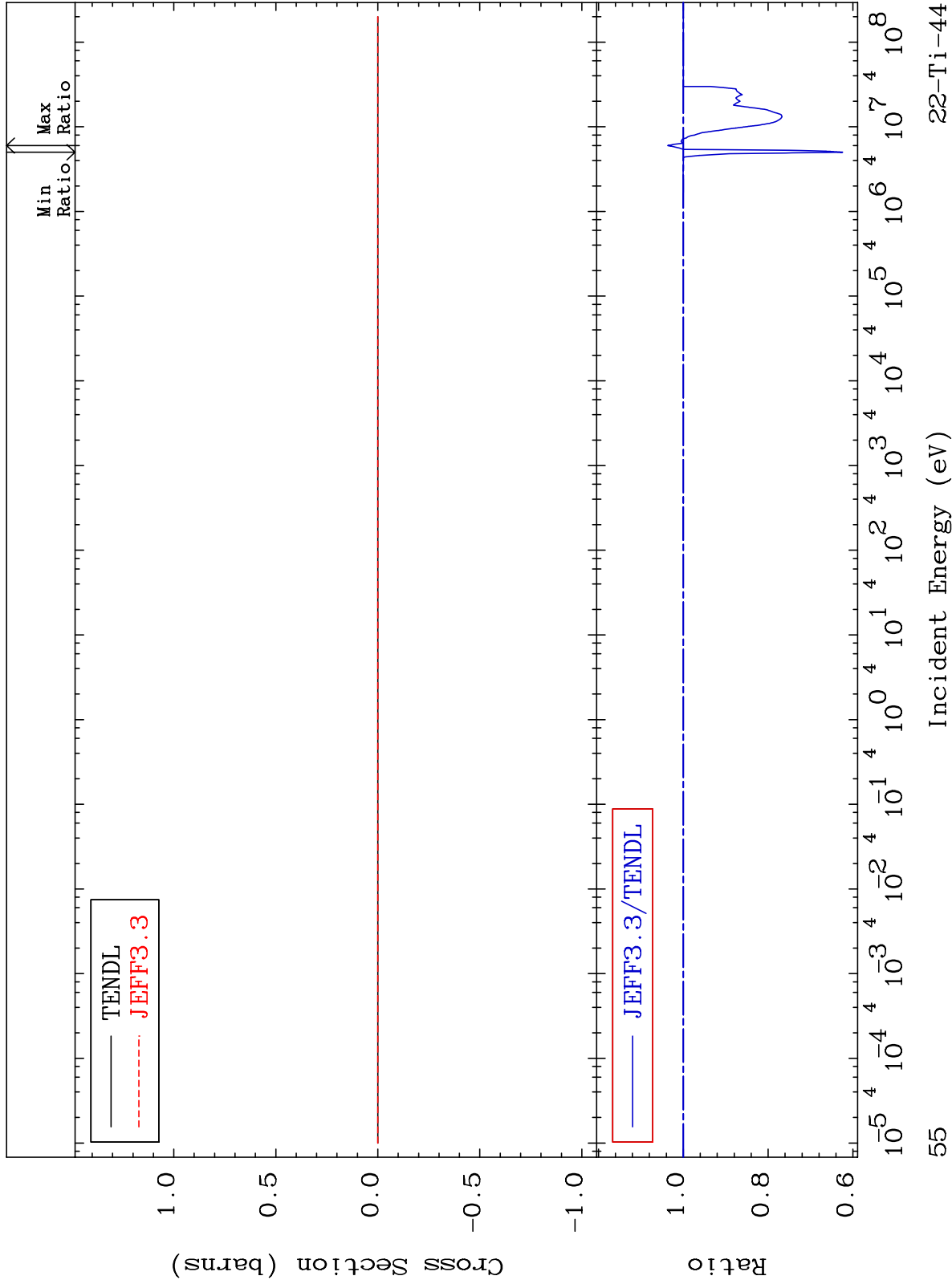
22-Ti-44  
-37.57 To 3.713 %



MAT 2219

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

22-Ti-44  
-37.57 To 3.713 %



55

Incident Energy (eV)

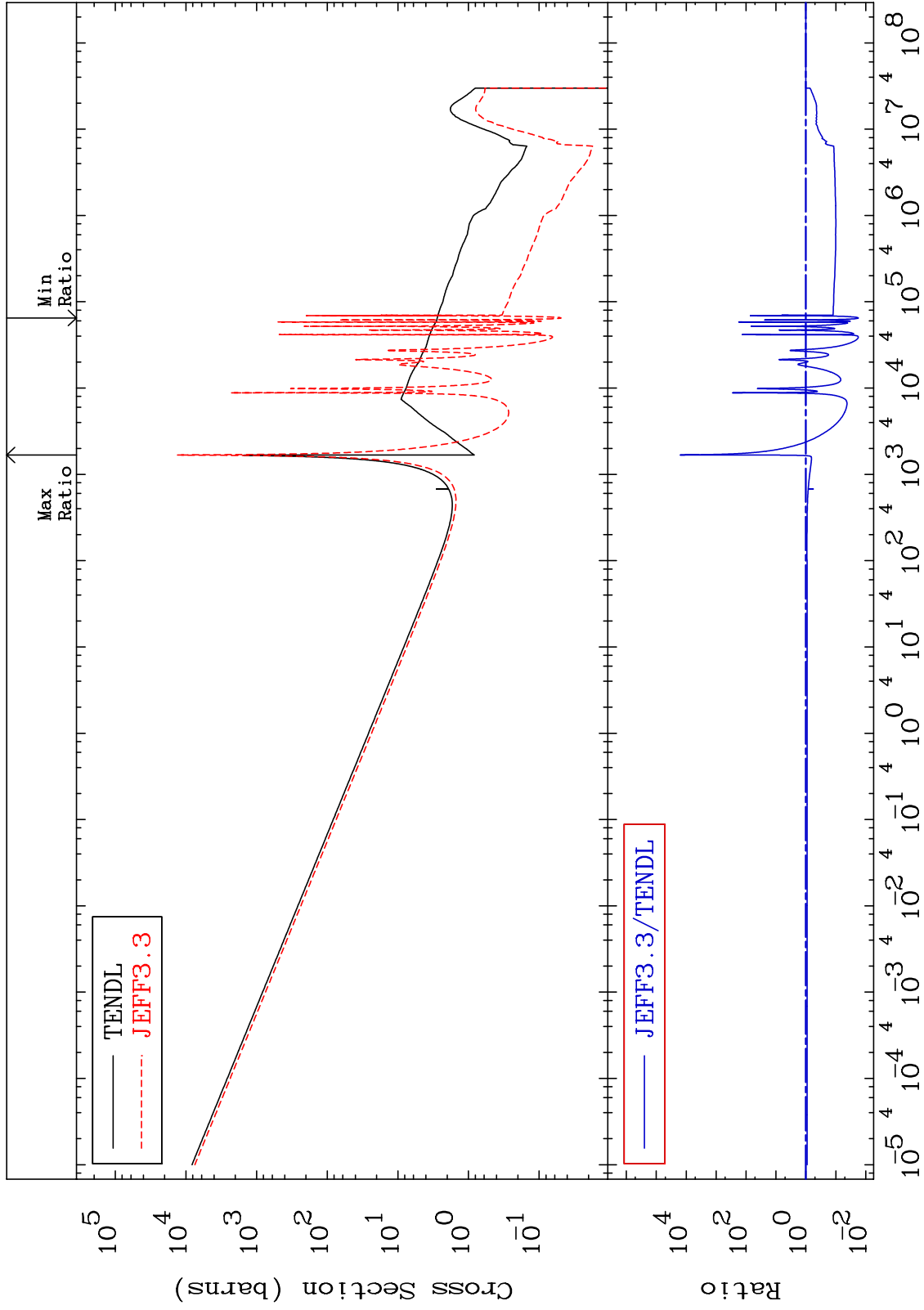
22-Ti-44



MAT 2219

Kerma capture (mt102)  
Cross Section

22-Ti-44  
-98.24 To 9999. %



56

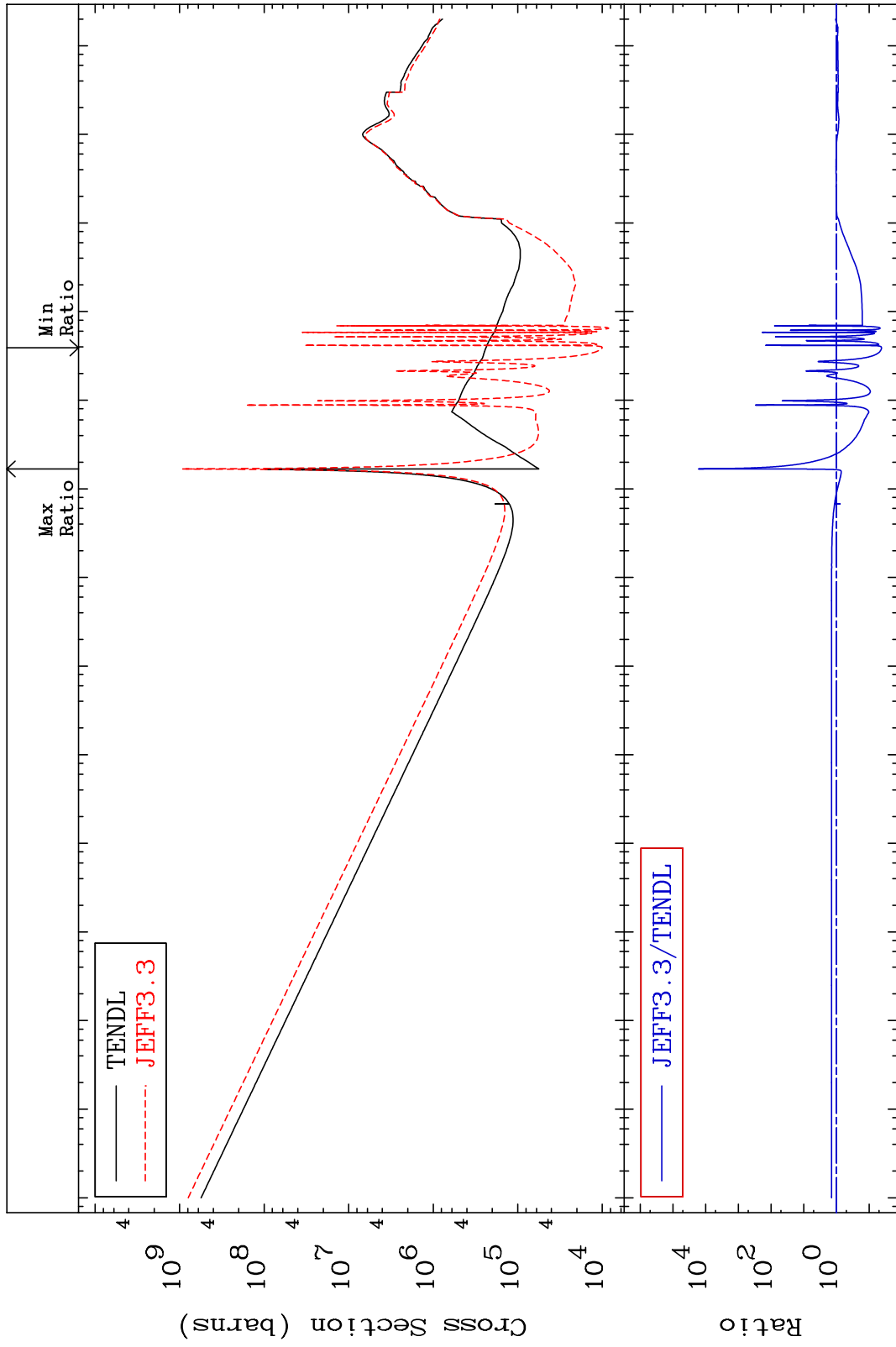
Incident Energy (eV)

22-Ti-44

MAT 2219

Total photon (eV-barns)  
Cross Section

22-Ti-44  
-95.79 To 9999. %



57

Incident Energy (eV)

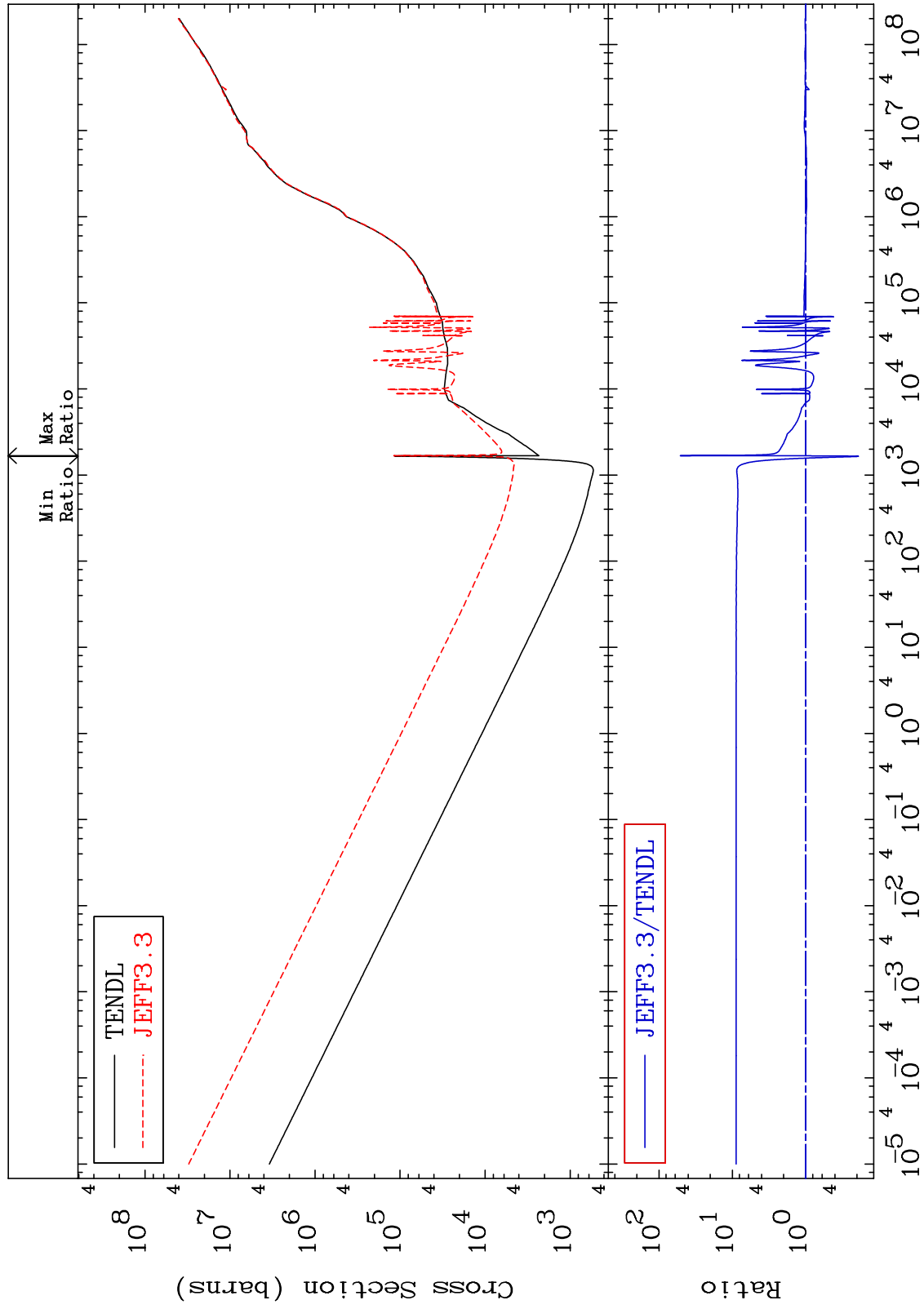
22-Ti-44

MAT 2219

Total kinematic kerma (high limit)  
Cross Section

22-Ti-44

-80.91 To 4993. %



58

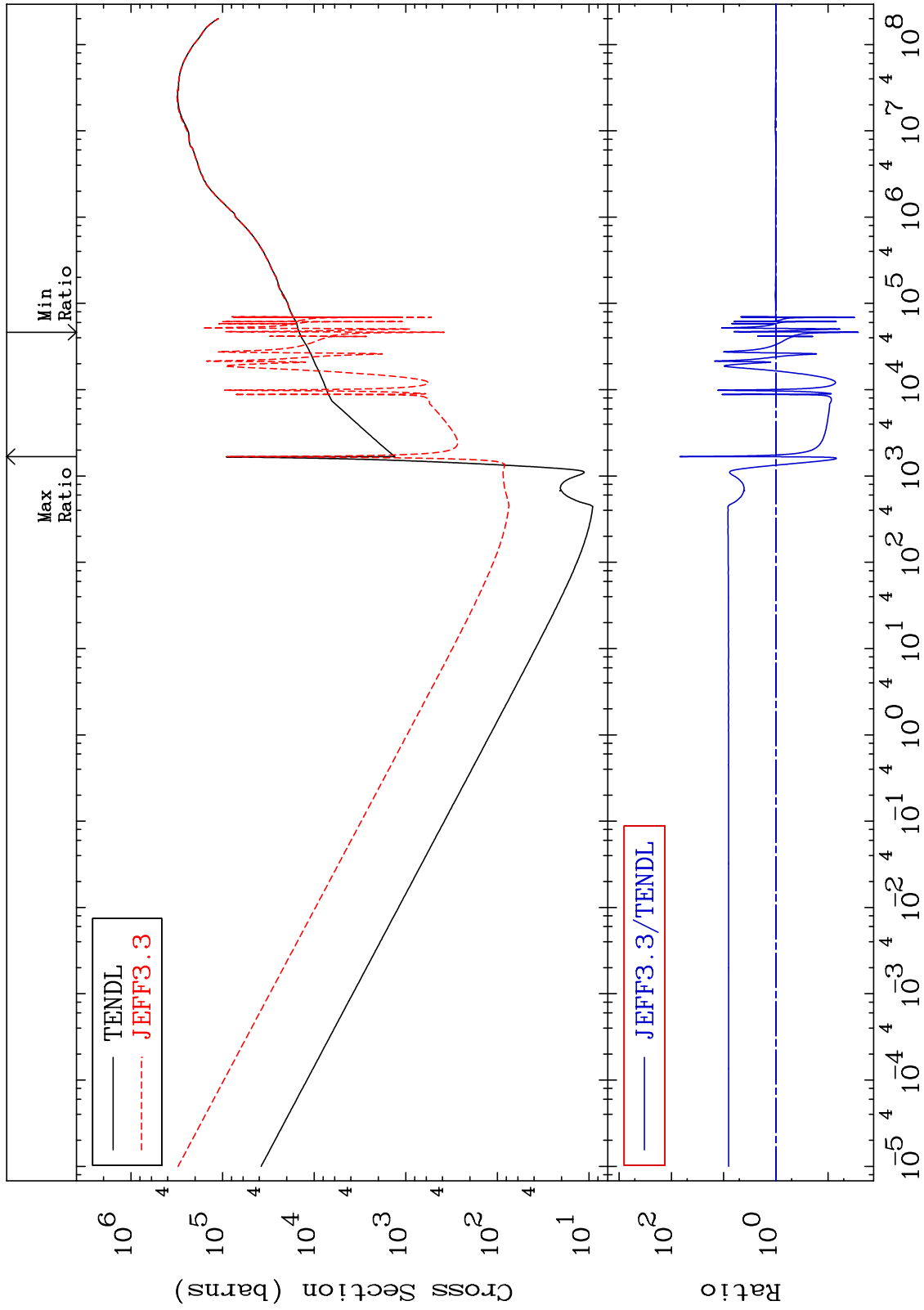
Incident Energy (eV)

22-Ti-44

MAT 2219

Dpa total (eV-barns)  
Cross Section

22-Ti-44  
-97.37 To 6732. %



59

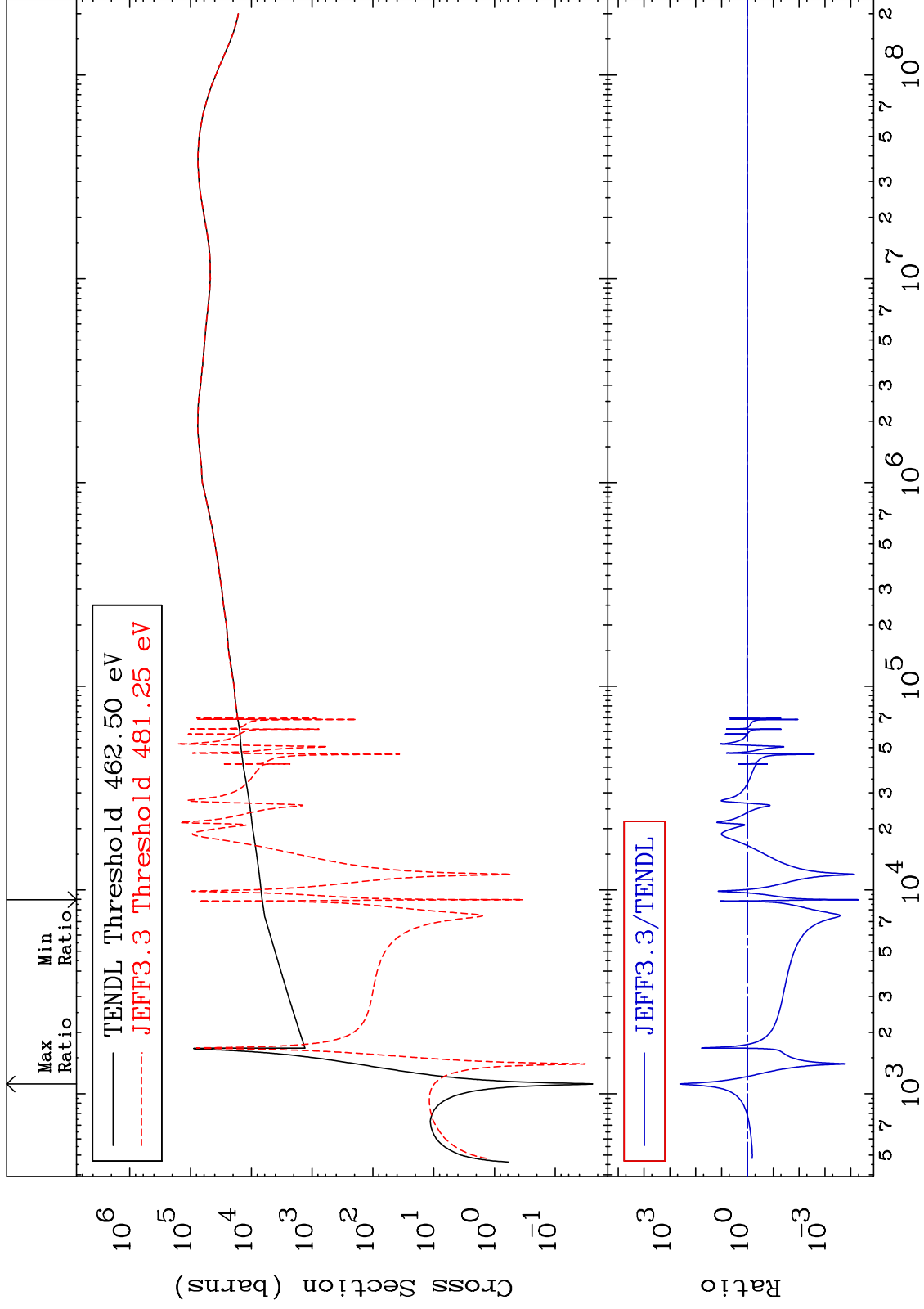
Incident Energy (eV)

22-Ti-44

MAT 2219

Dpa elastic (mt2)  
Cross Section

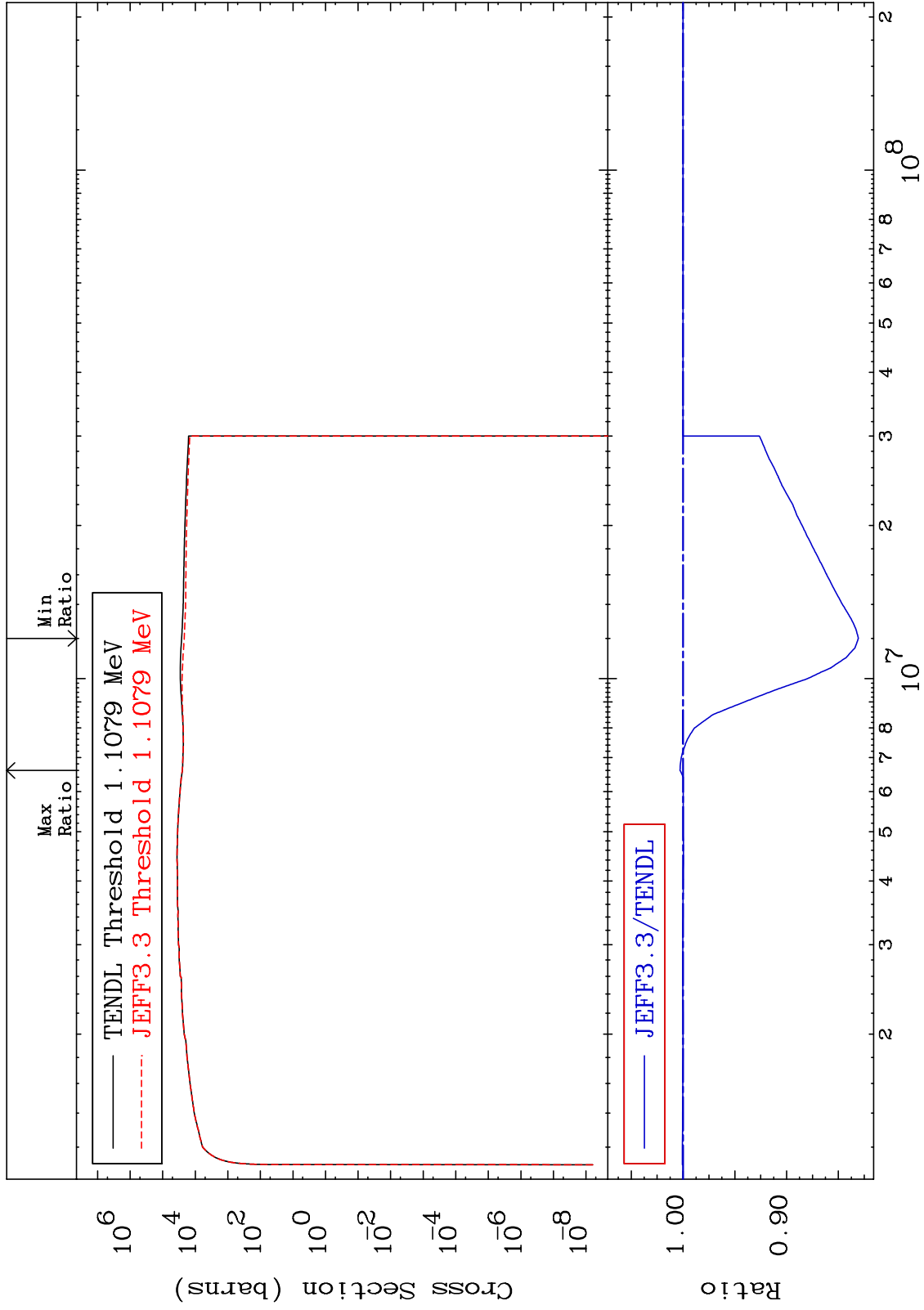
22-Ti-44  
-99.99 To 9999. %



MAT 2219

Dpa inelastic (mt51-91)  
Cross Section

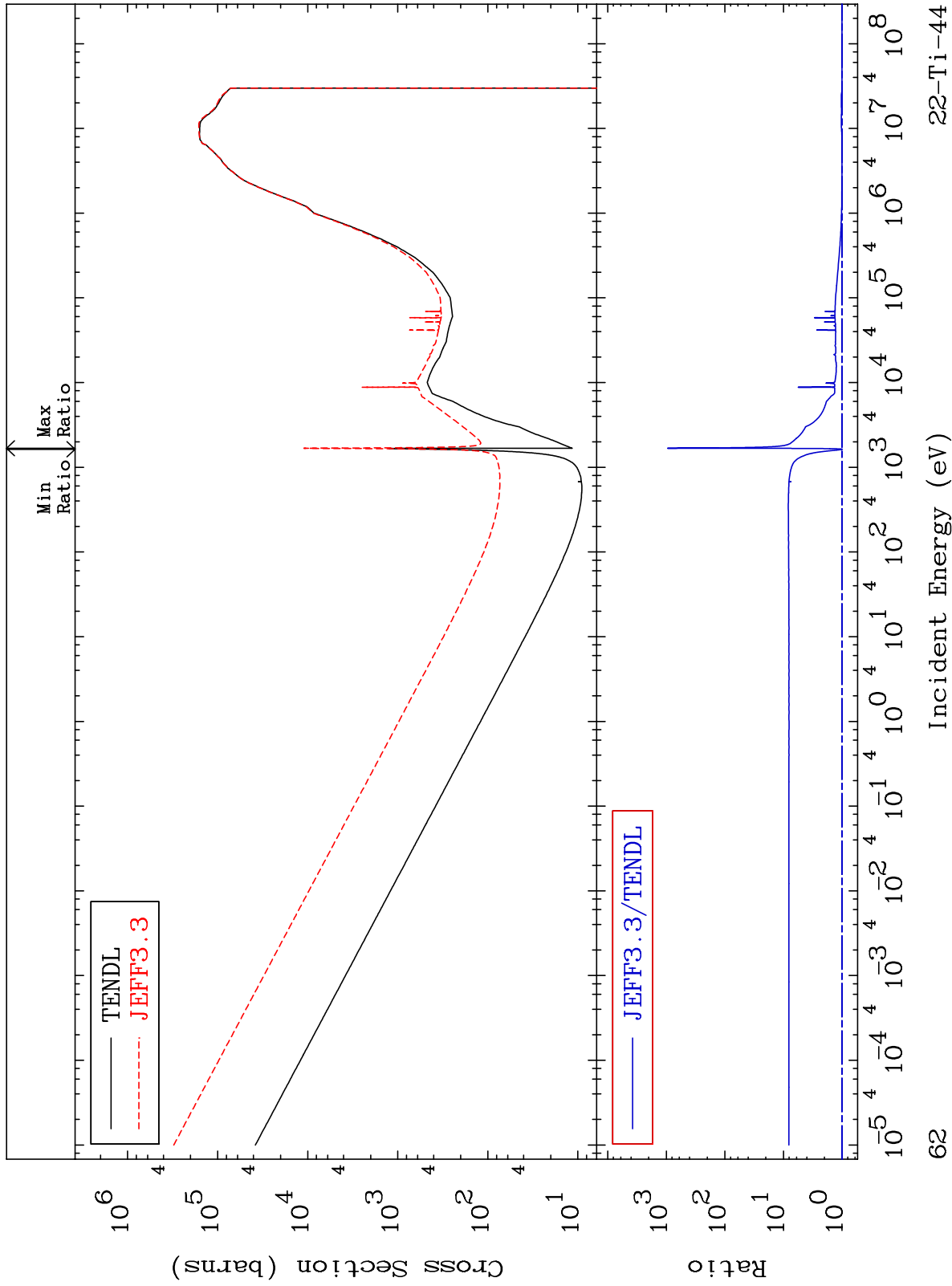
22-Ti-44  
-16.94 To 0.292 %



MAT 2219

Dpa disappearance (mt102 -120)  
Cross Section

22-Ti-44  
-2.303 To 9999. %

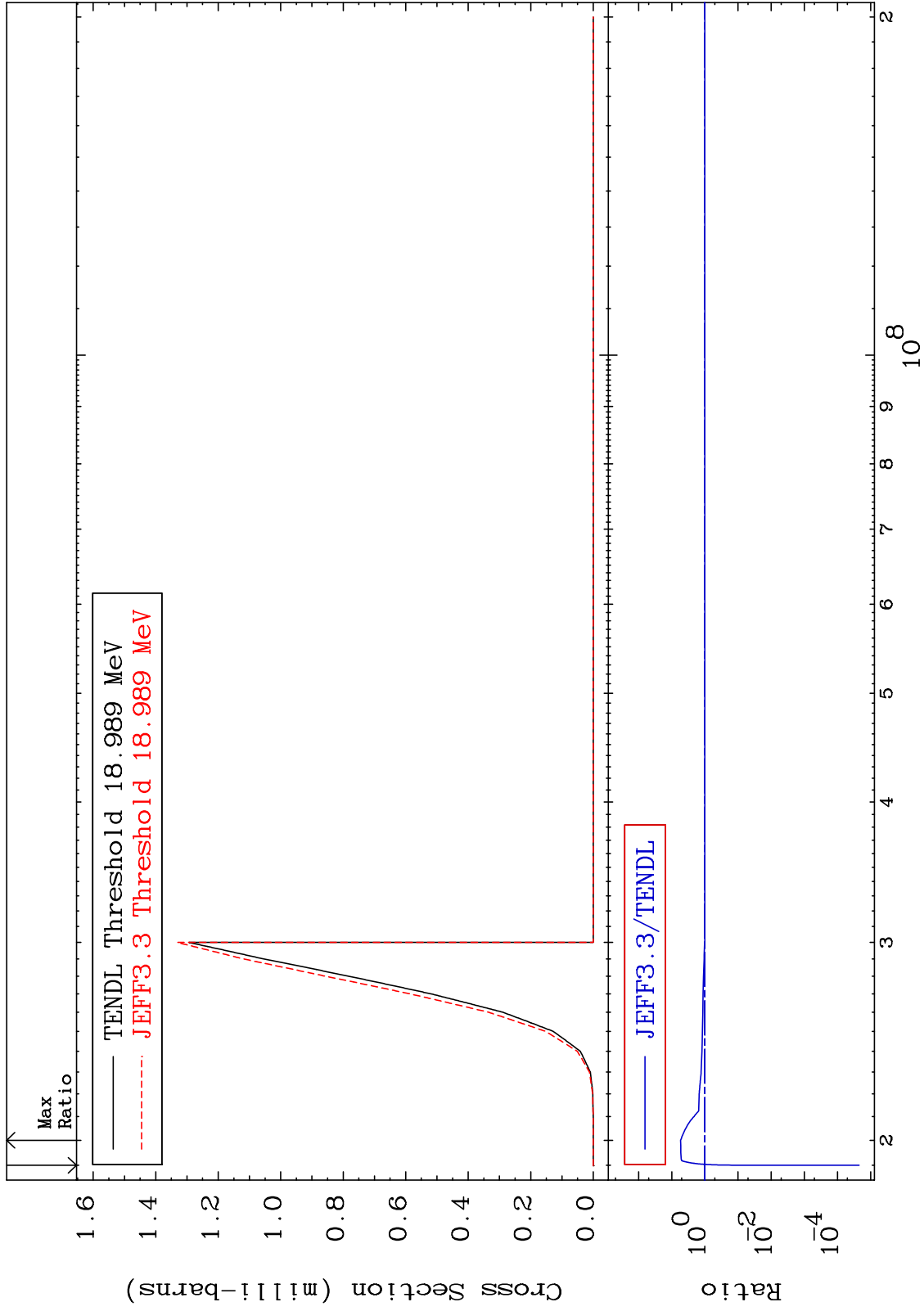


MAT 2219

(n, n') d:21-Sc-42g

22-Ti-44

Radionuclide Production Cross Section -100.0 To 439.8 %



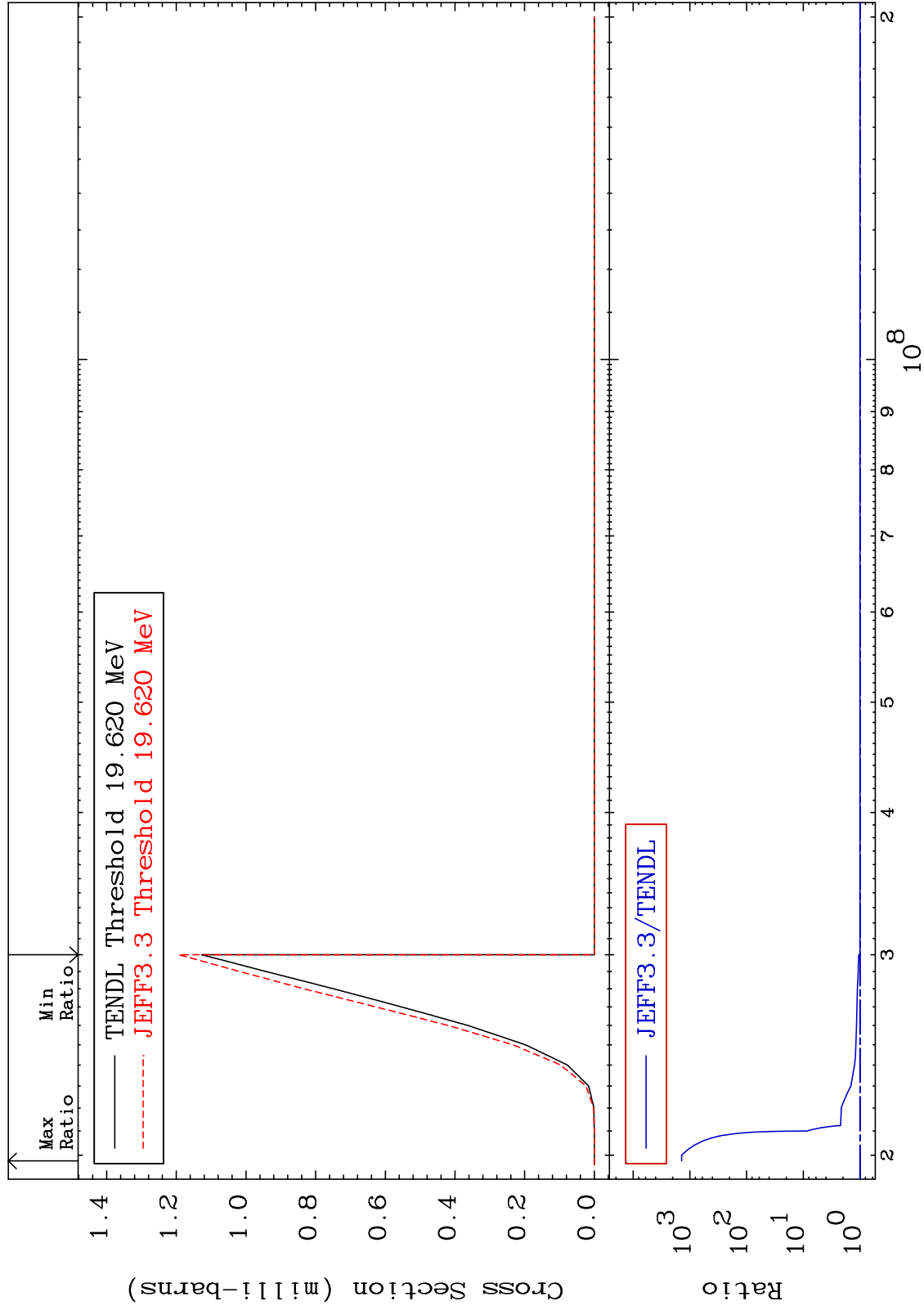


MAT 2219

(n, n') d:21-Sc-42m2

22-Ti-44

Radionuclide Production Cross Section 0.000 To 9999. %

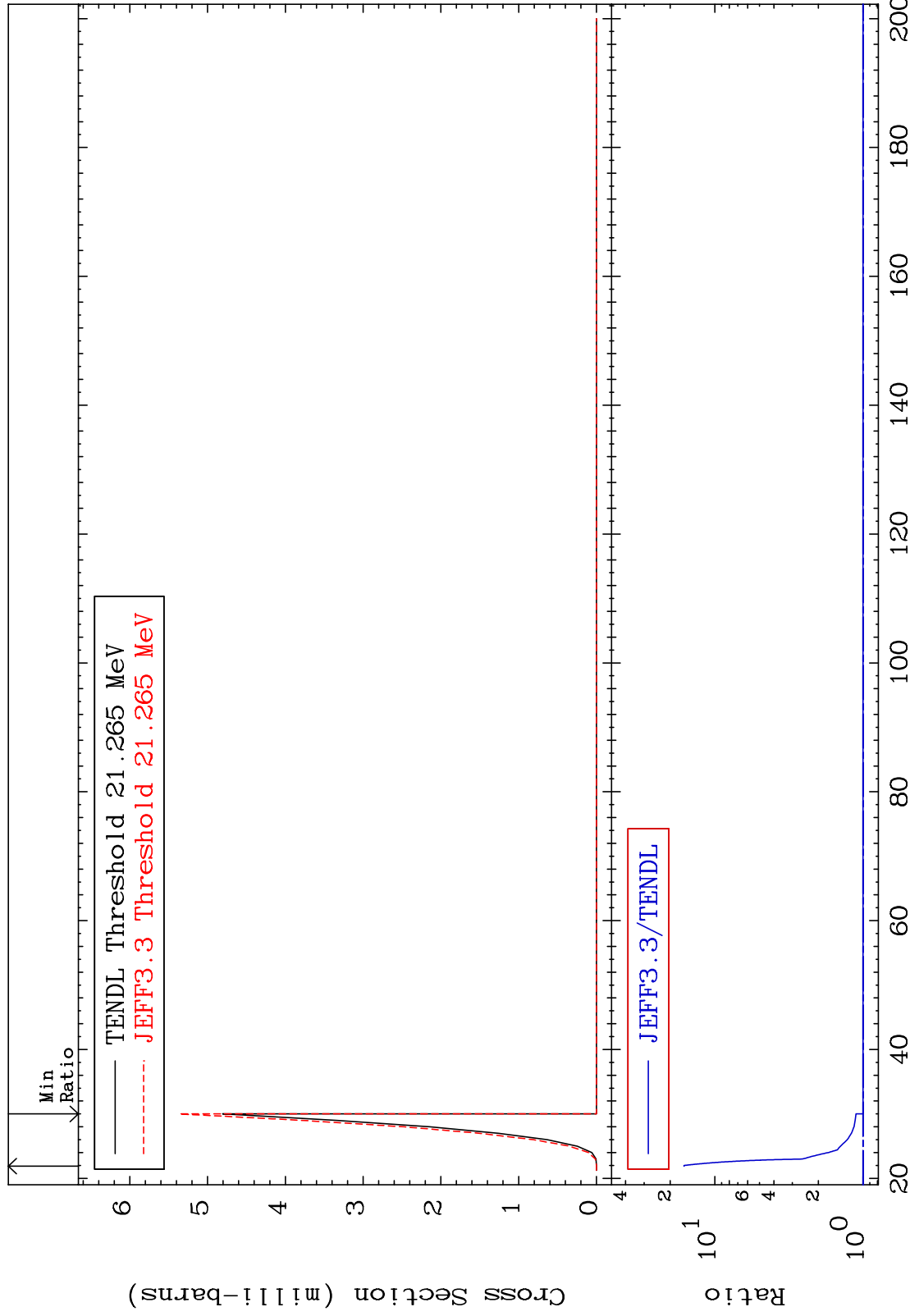


MAT 2219

(n,2n) p:21-Sc-42g

22-Ti-44

Radionuclide Production Cross Section 0.000 To 1514. %



65

Incident Energy (MeV)

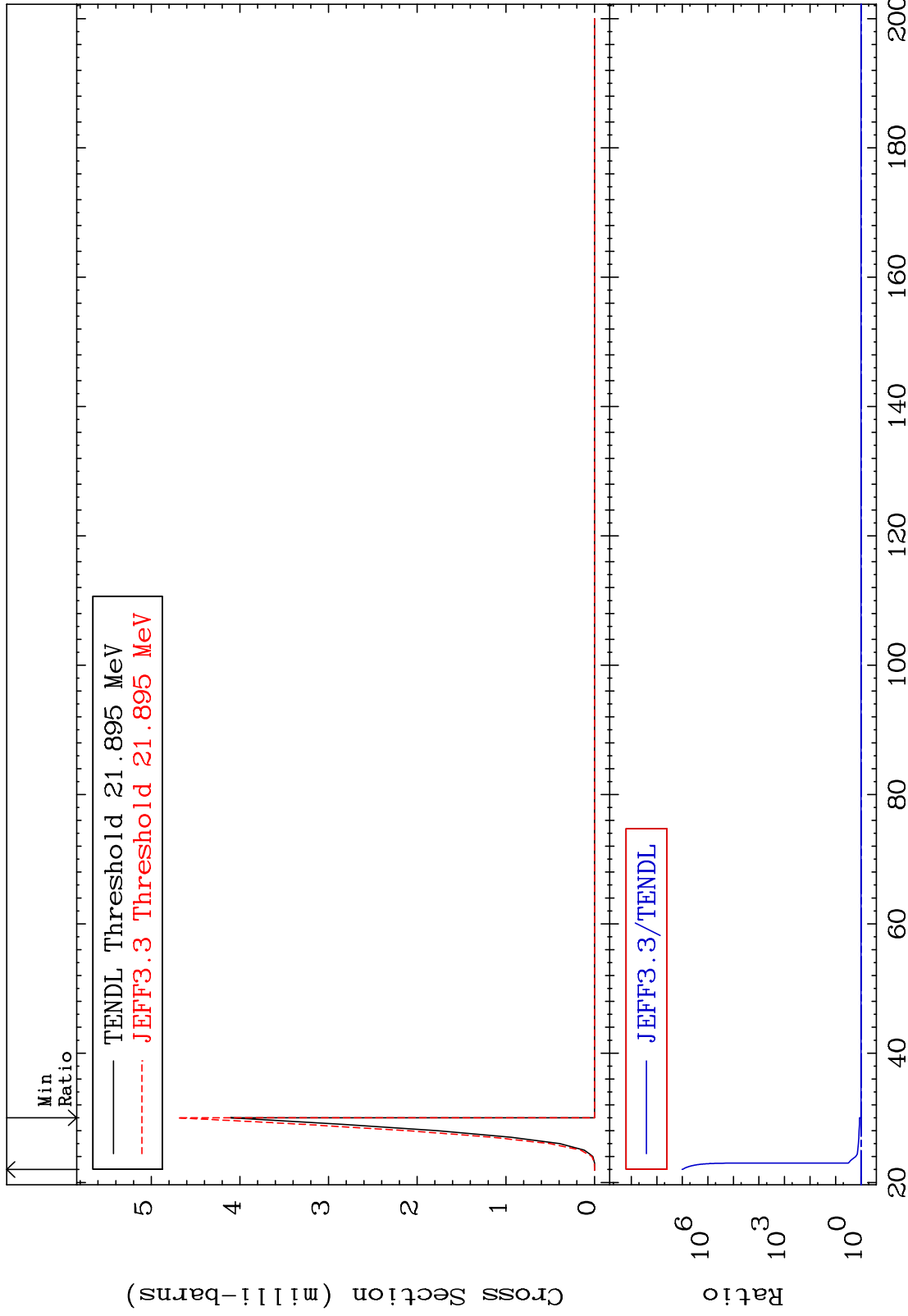
22-Ti-44

MAT 2219

(n,2n) p:21-Sc-42m2

22-Ti-44

Radionuclide Production Cross Section 0.000 To 9999. %



66

Incident Energy (MeV)

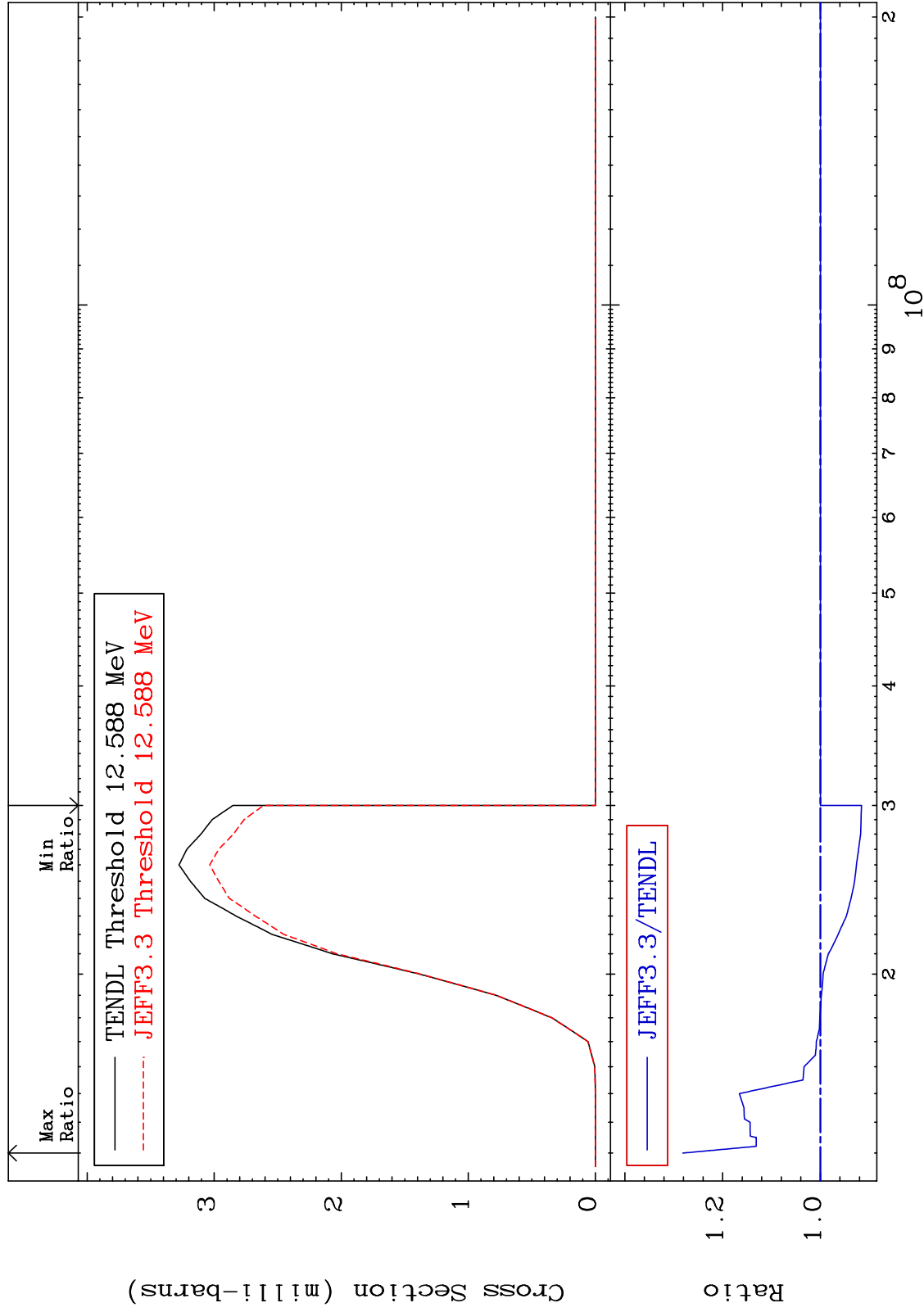
22-Ti-44

MAT 2219

(n, t) : 21-Sc-42g

22-Ti-44

Radionuclide Production Cross Section -8.428 To 28.12 %



MAT 2219

(n, t):21-Sc-42m2

22-Ti-44

Radionuclide Production Cross Section -5.980 To 15.90 %

