

Program Complot  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

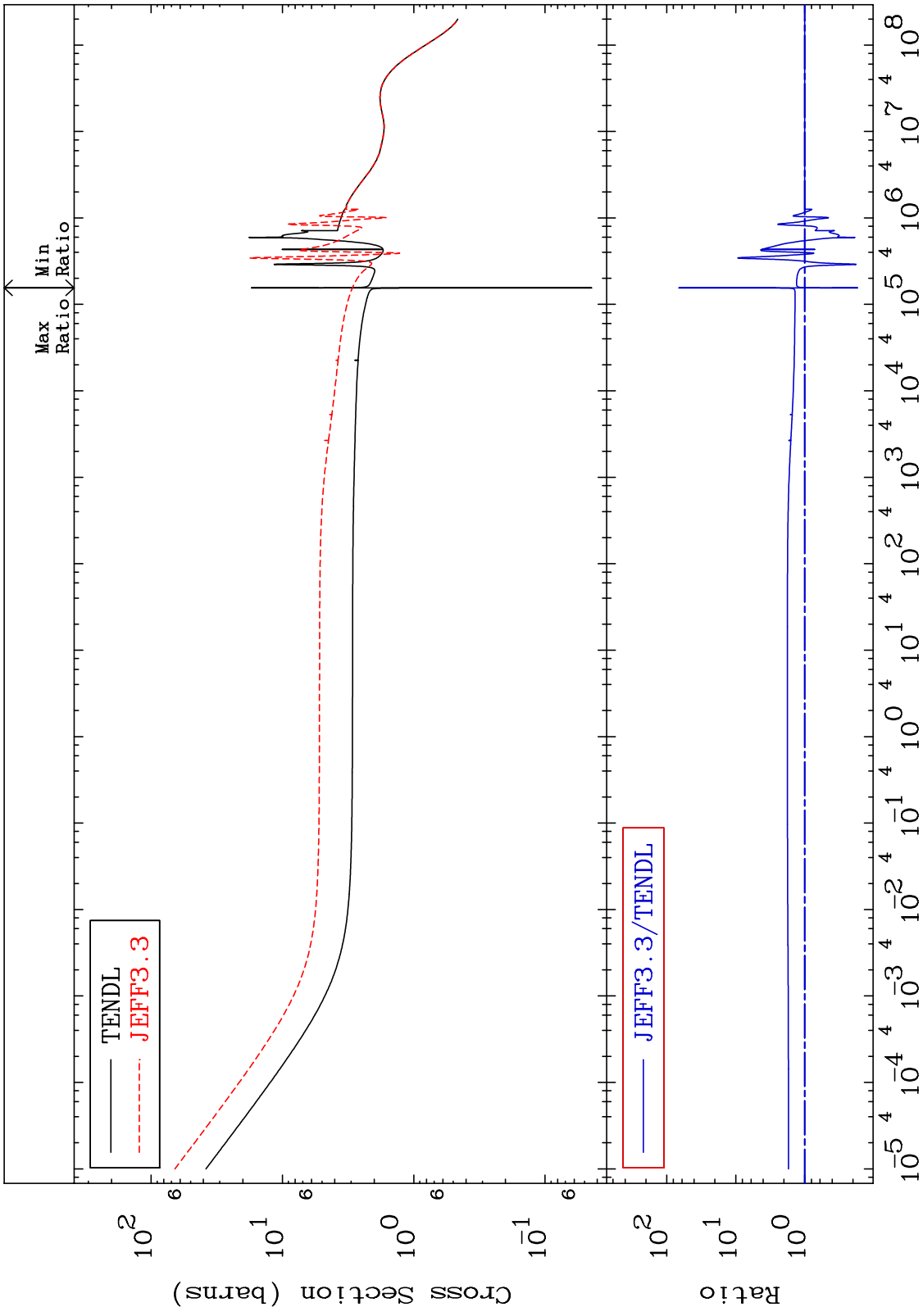
U.S.A.

Tele: 925-443-1911

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 1031 Total Cross Section 10-Ne-22  
-82.99 To 6521. %

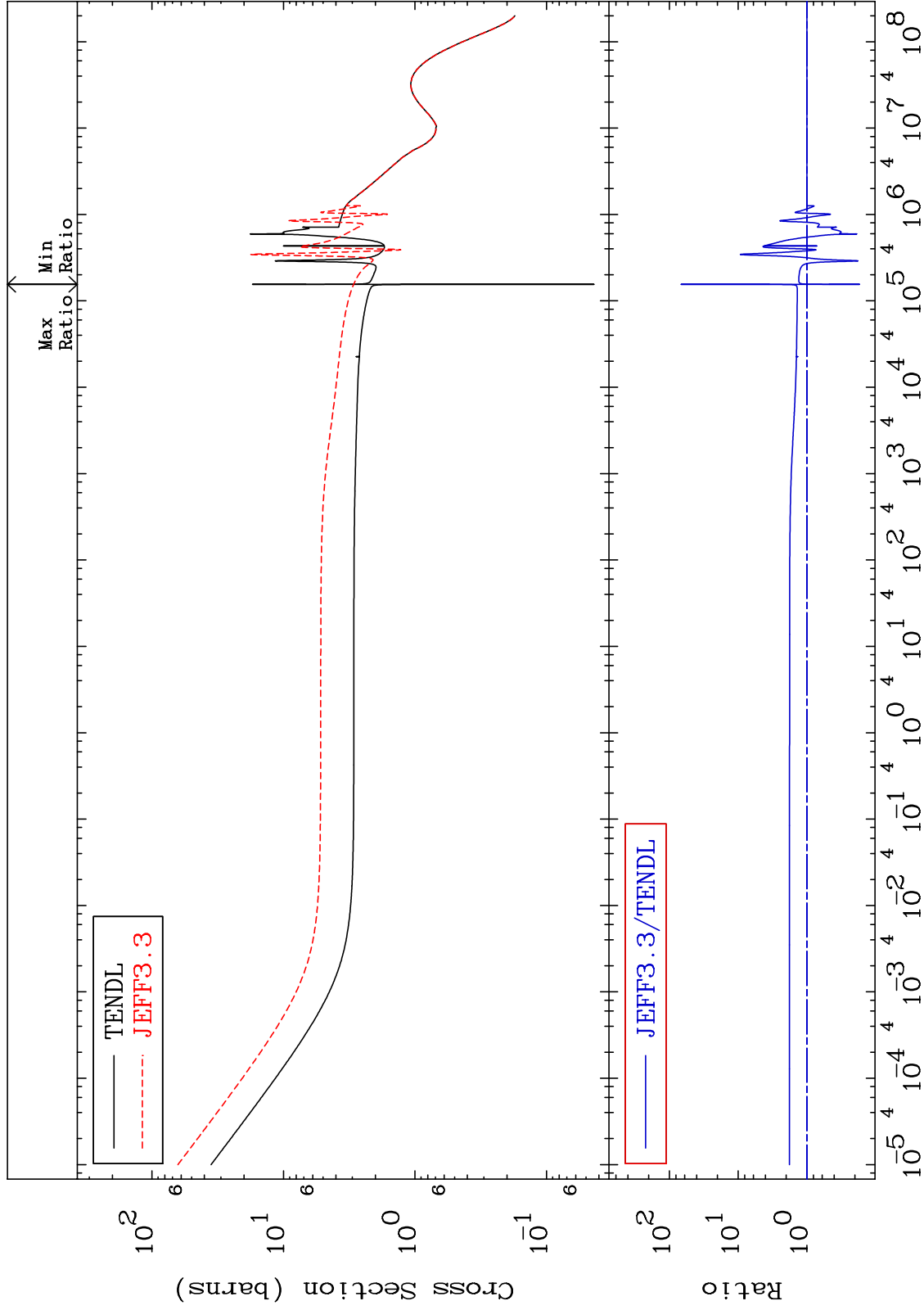


1 Incident Energy (eV) 10-Ne-22

MAT 1031

Elastic  
Cross Section

10-Ne-22  
-82.98 To 6613. %



2

Incident Energy (eV)

10-Ne-22

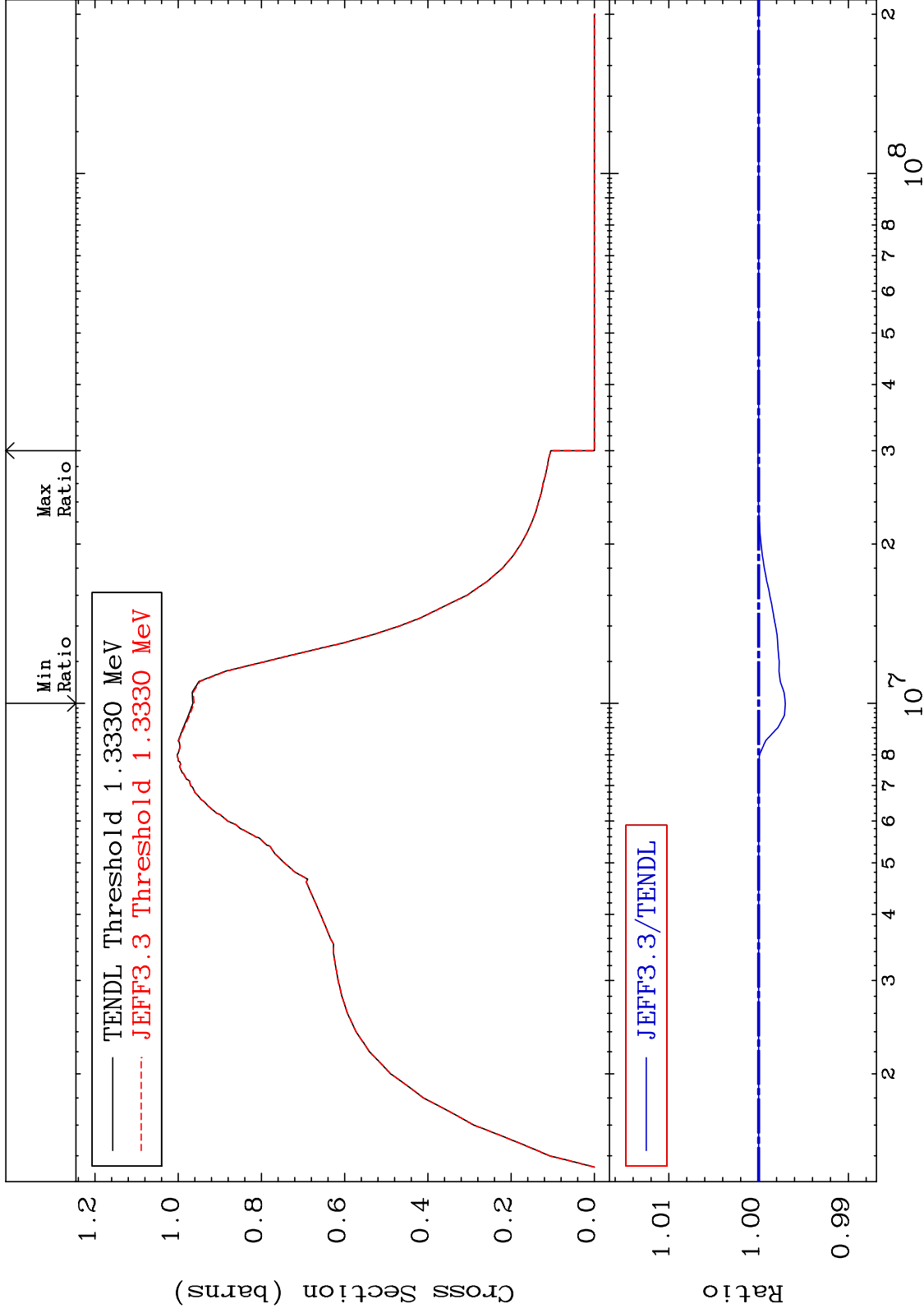
MAT 1031

10-Ne-22

Inelastic

Cross Section

-0.297 To 0.008 %

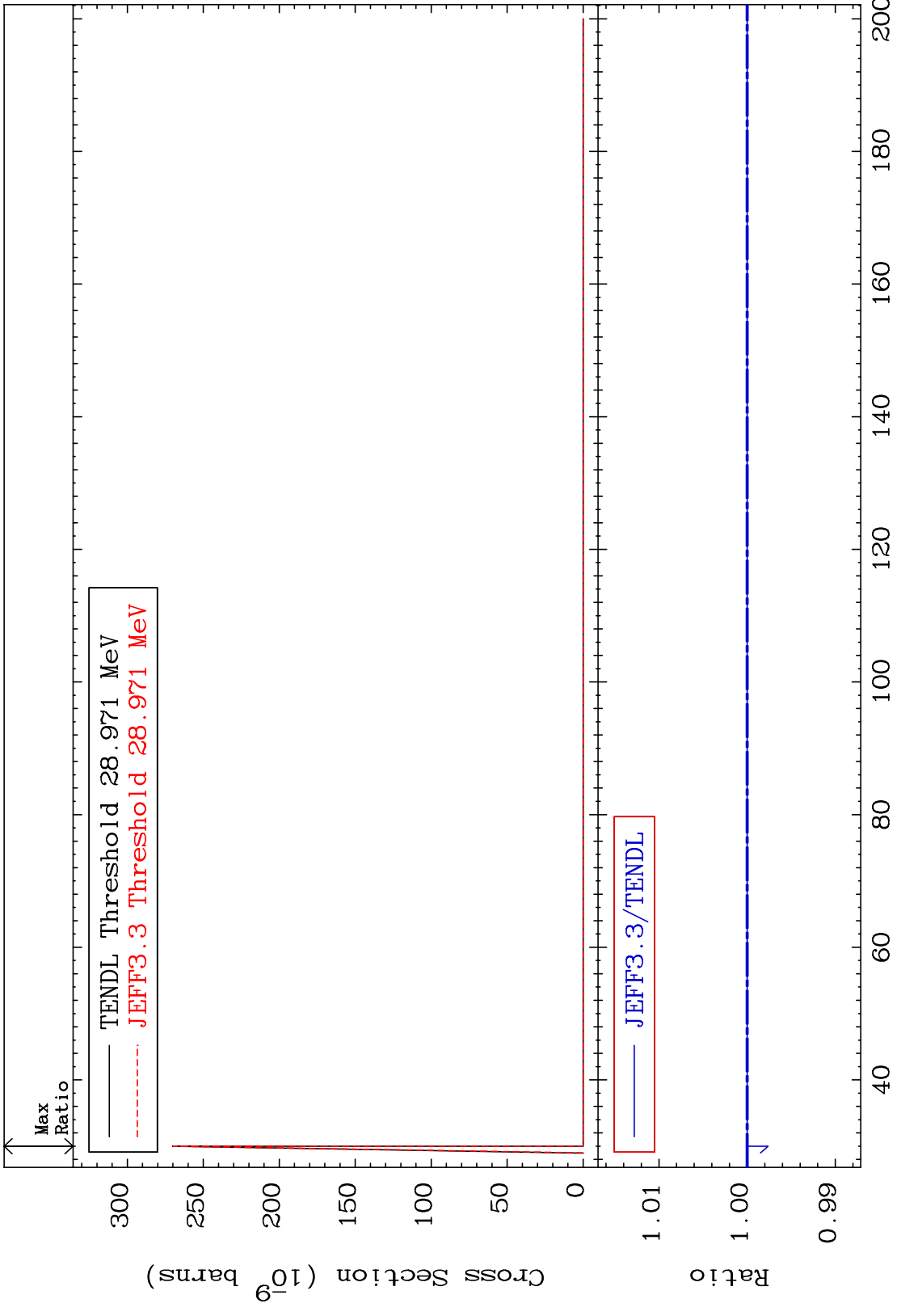


3

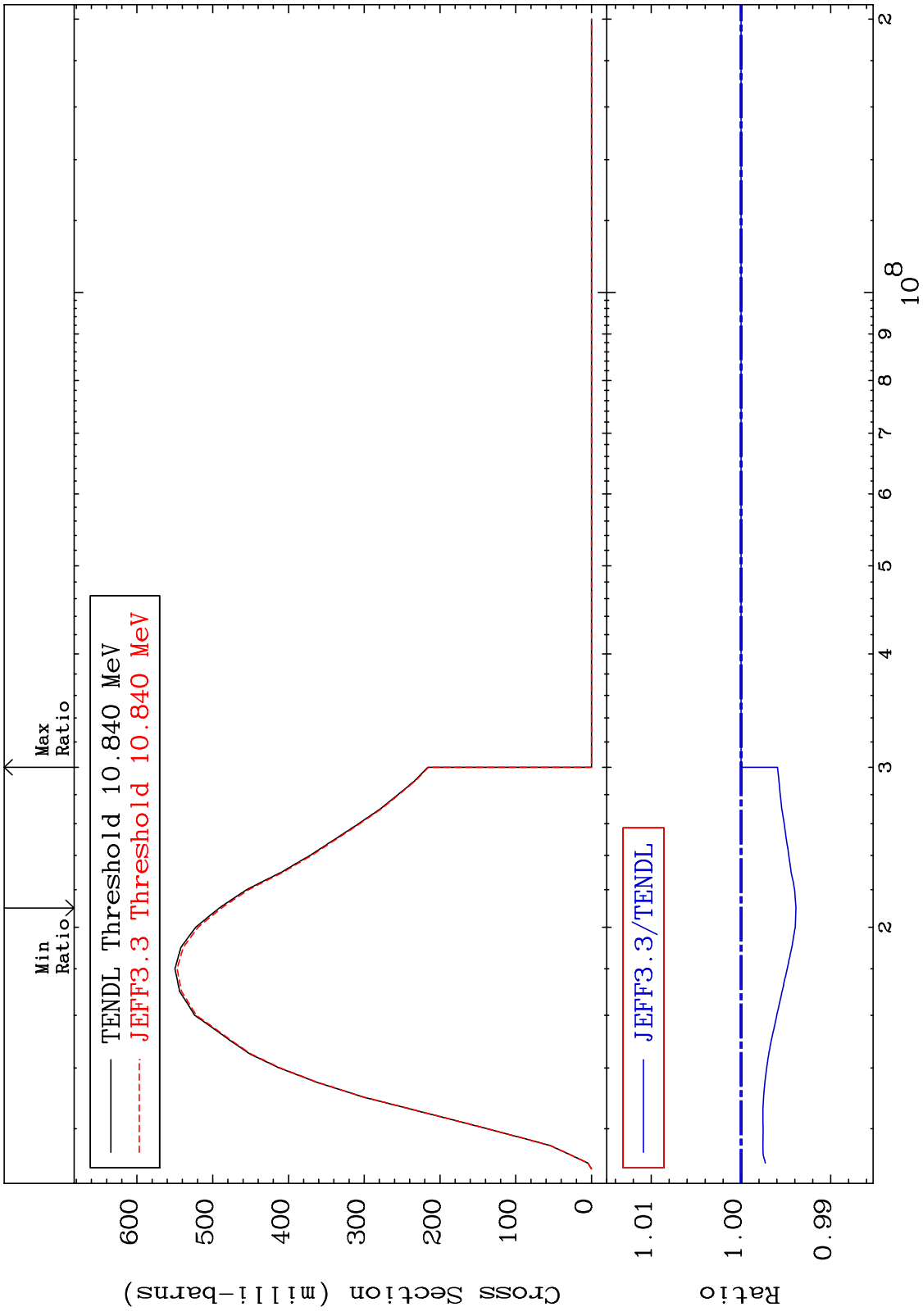
Incident Energy (eV)

10-Ne-22

MAT 1031 (n,2n) d 10-Ne-22  
 Cross Section -0.236 To 0.000 %



MAT 1031  $(n,2n)$   $^{10}\text{Ne-22}$  Cross Section  $-0.613$  To  $0.000$  %



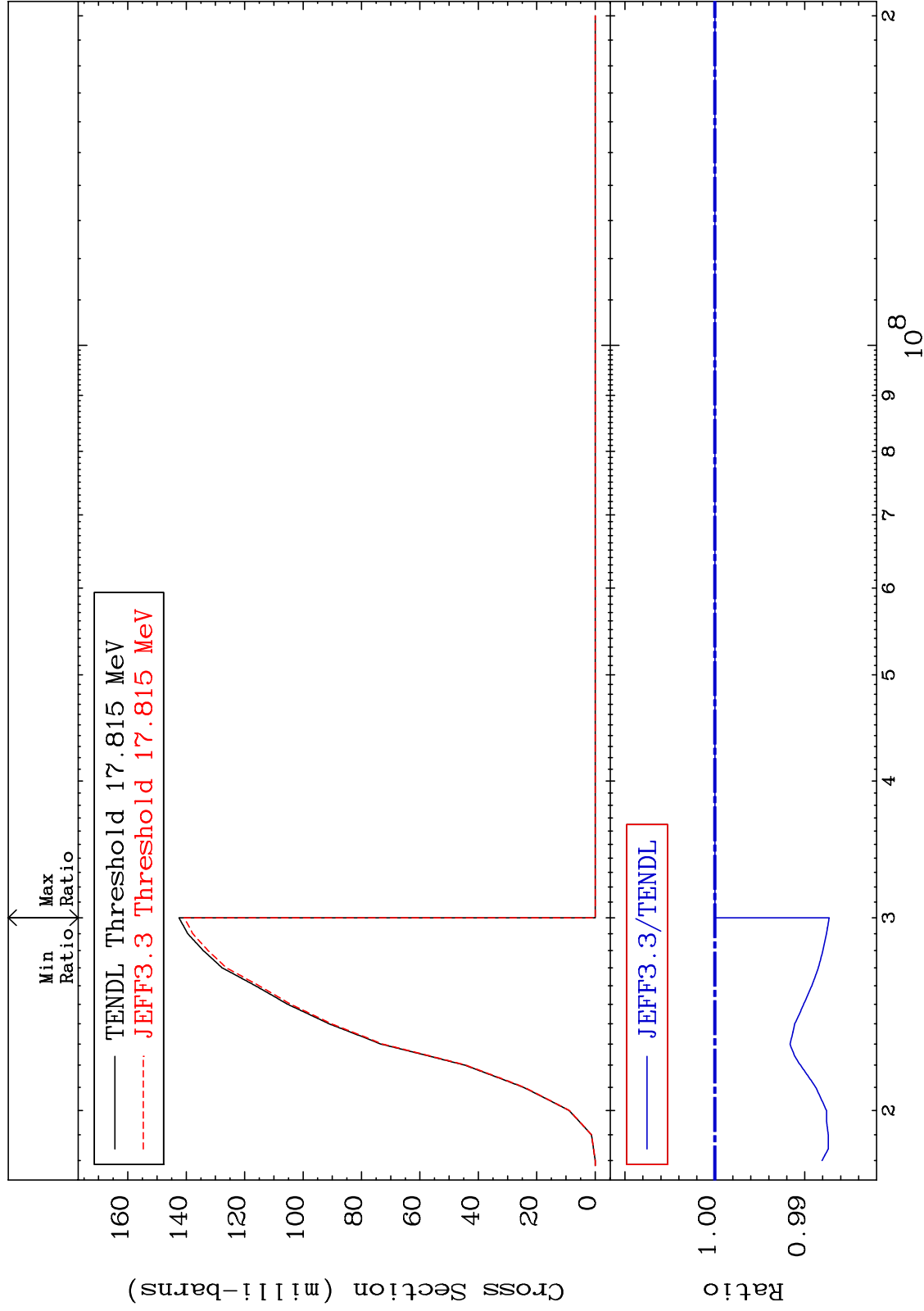
MAT 1031

(n,3n)

10-Ne-22

Cross Section

-1.272 To 0.000 %

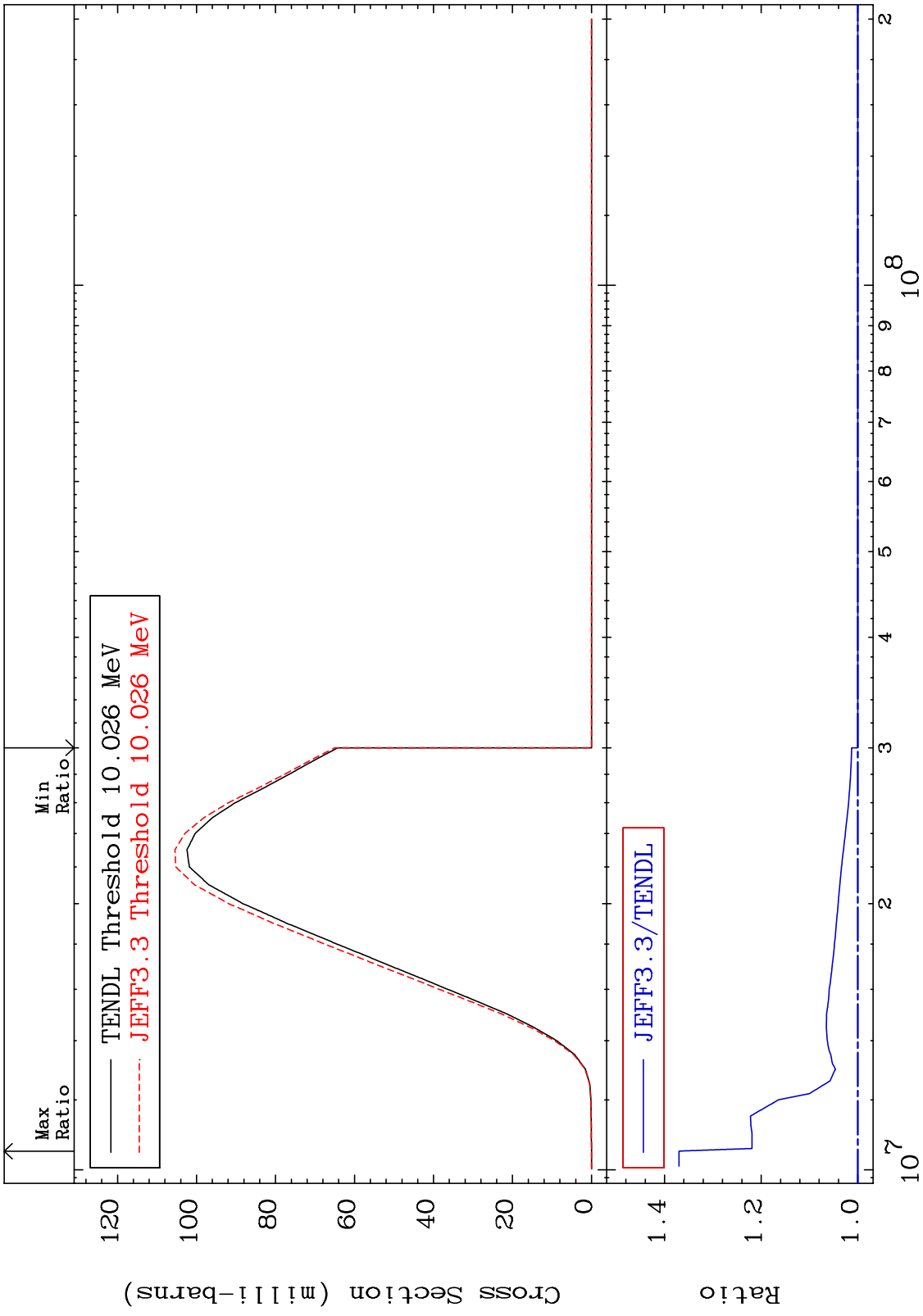


6

Incident Energy (eV)

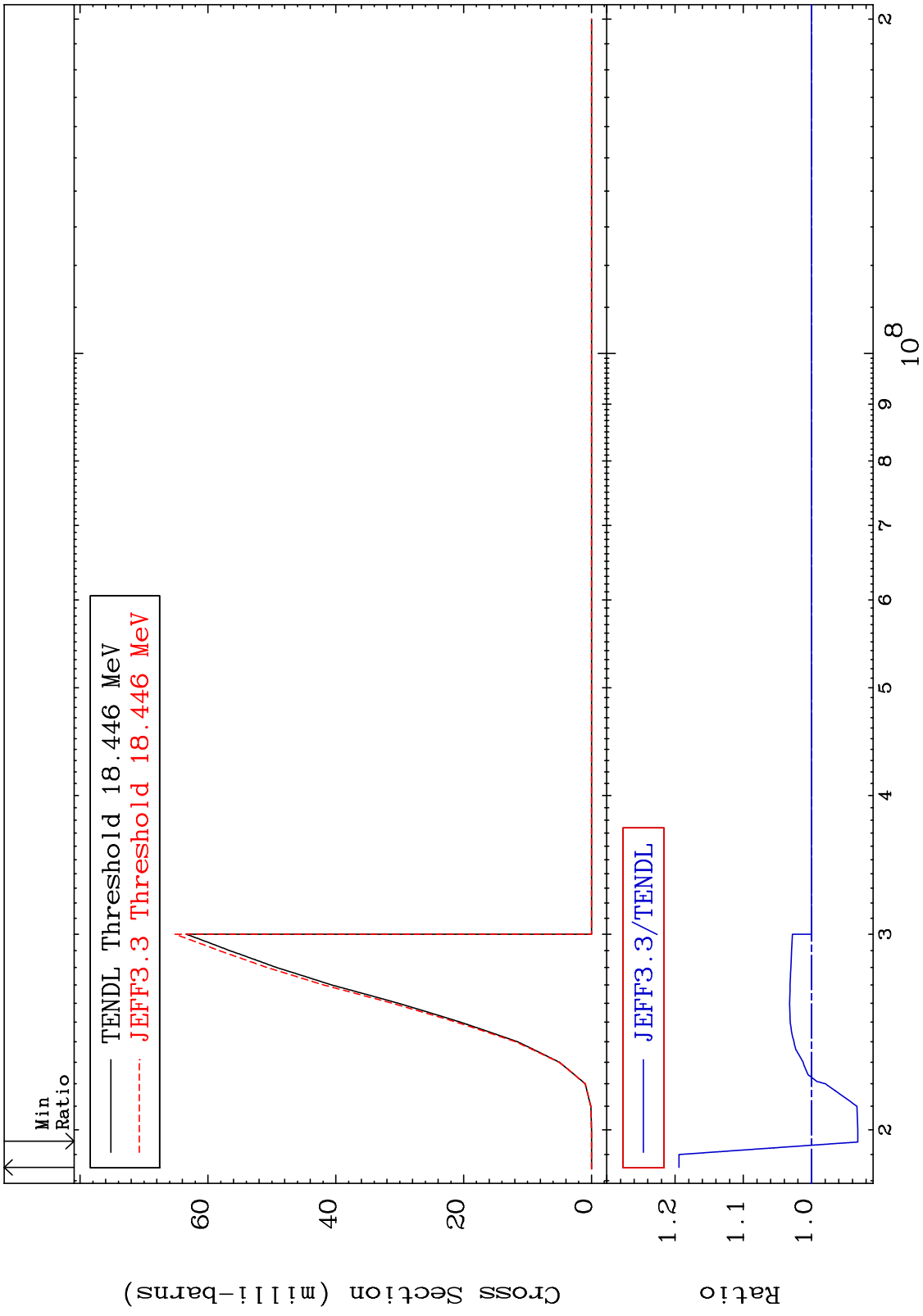
10-Ne-22

MAT 1031  $(n, n') \alpha$  10-Ne-22  
Cross Section To 37.00 %



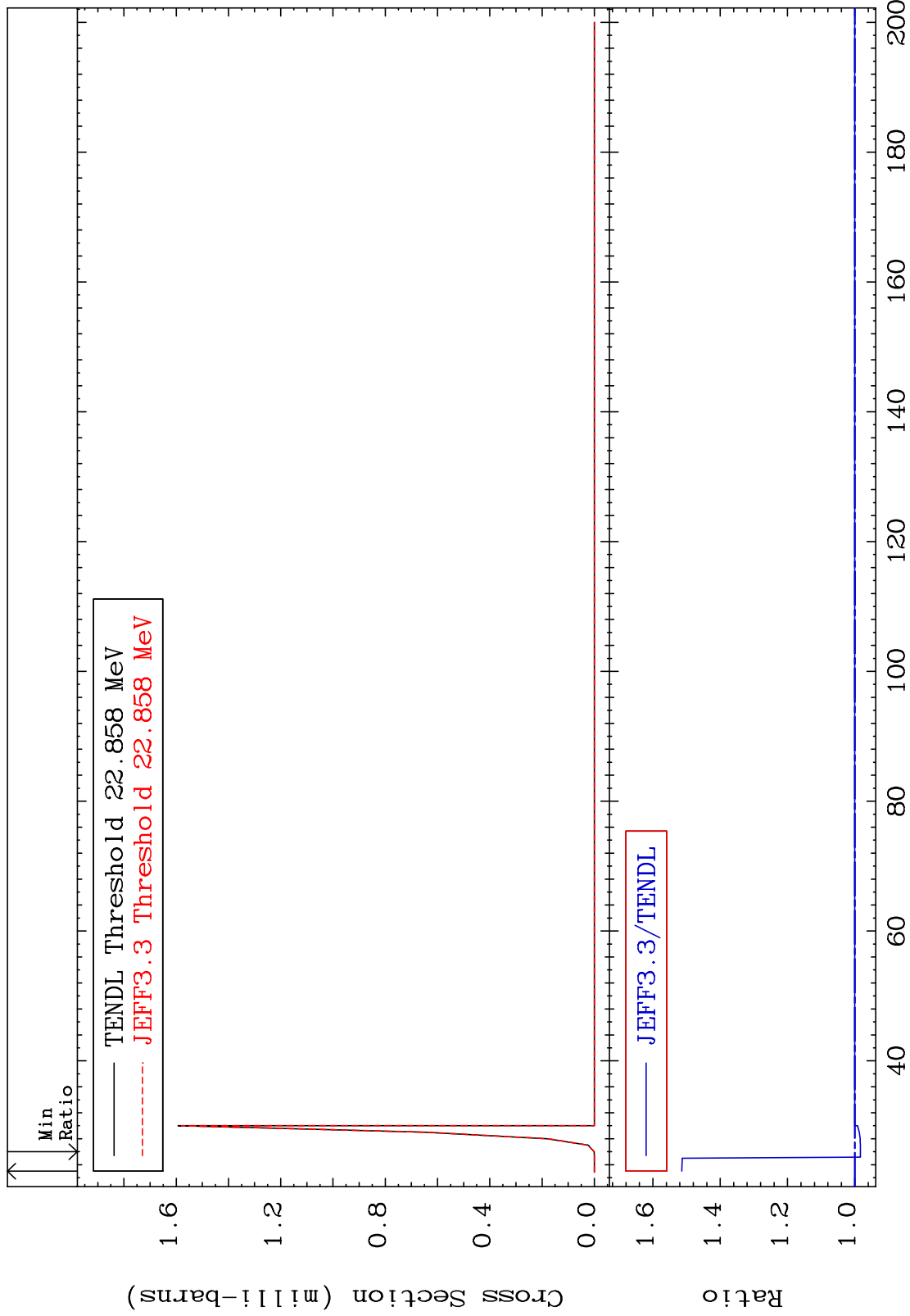


MAT 1031  $(n, 2n) \alpha$  10-Ne-22  
 Cross Section -6.791 To 19.42 %



8 Incident Energy (eV) 10-Ne-22

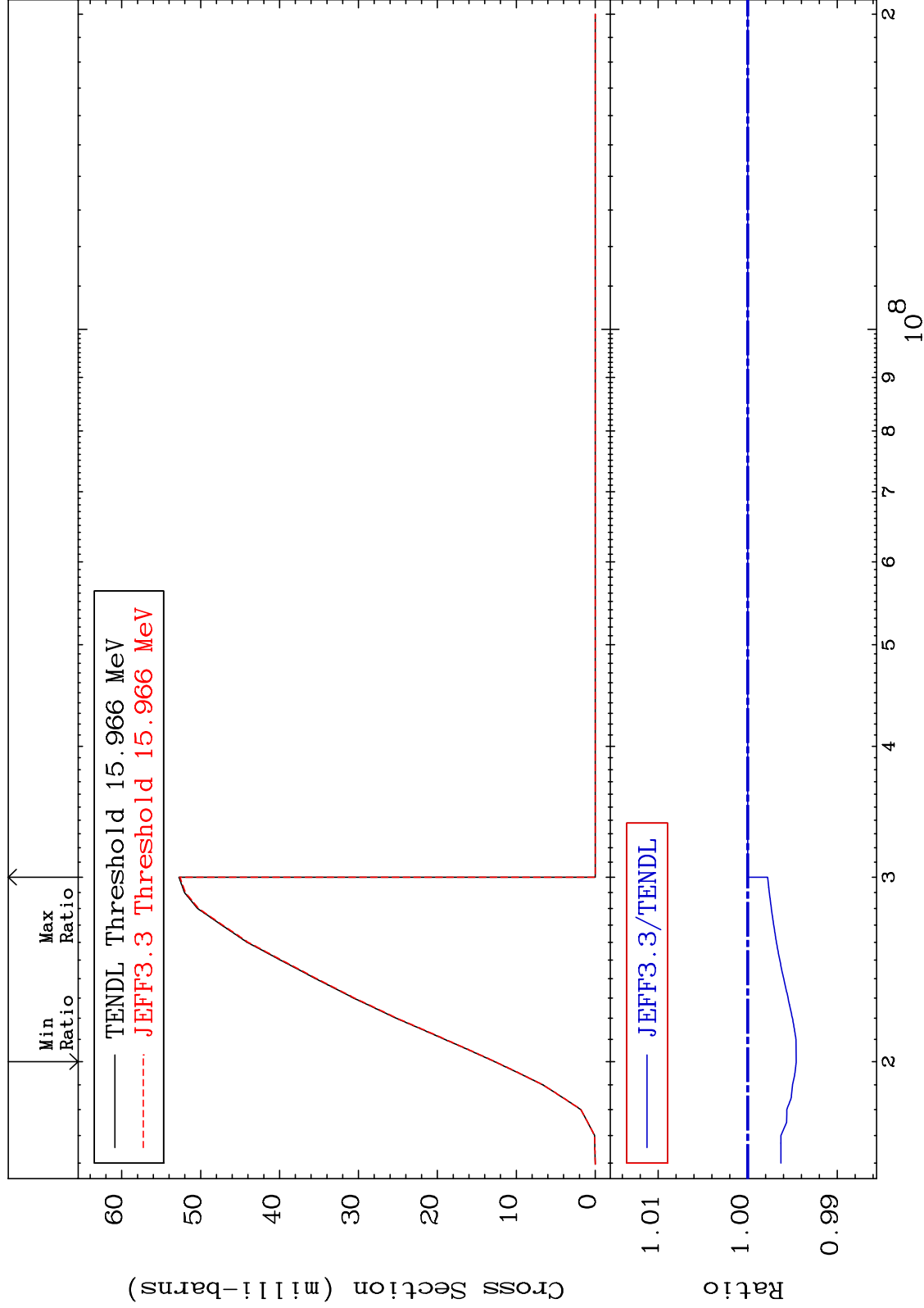
MAT 1031 (n,3n)  $\alpha$  10-Ne-22  
Cross Section -1.679 To 51.42 %



MAT 1031

(n,n') p  
Cross Section

10-Ne-22  
-0.541 To 0.000 %

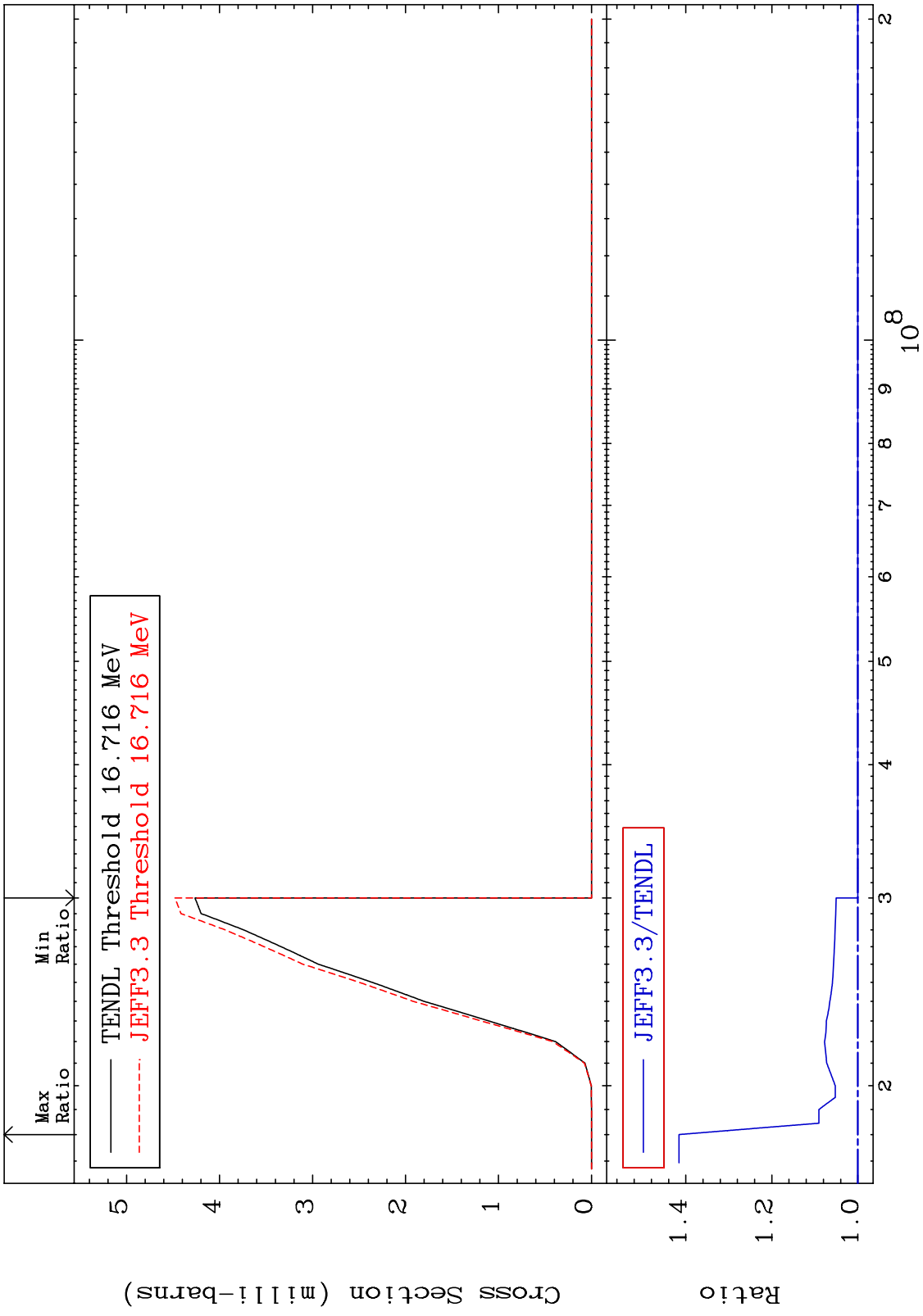


10

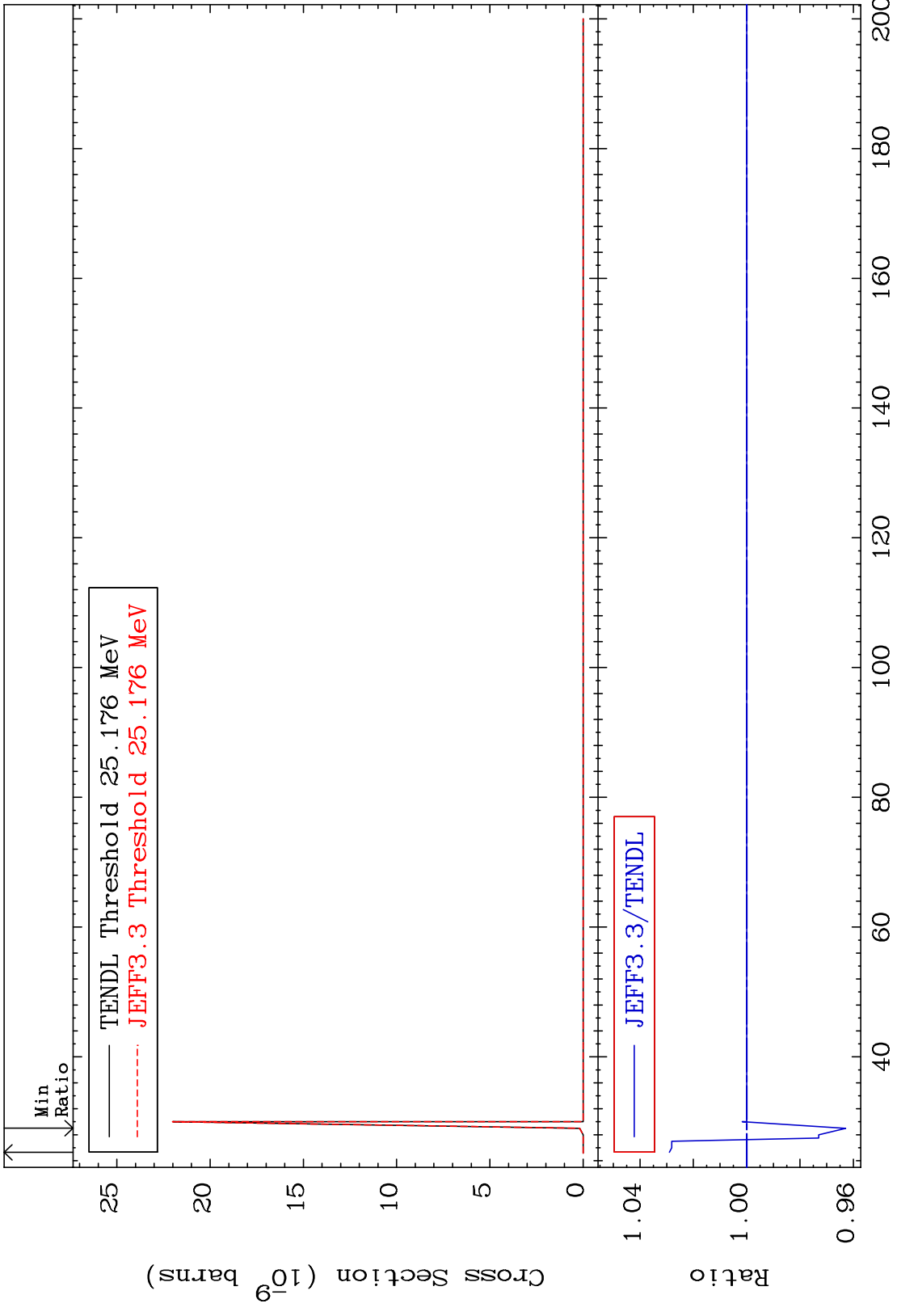
Incident Energy (eV)

10-Ne-22

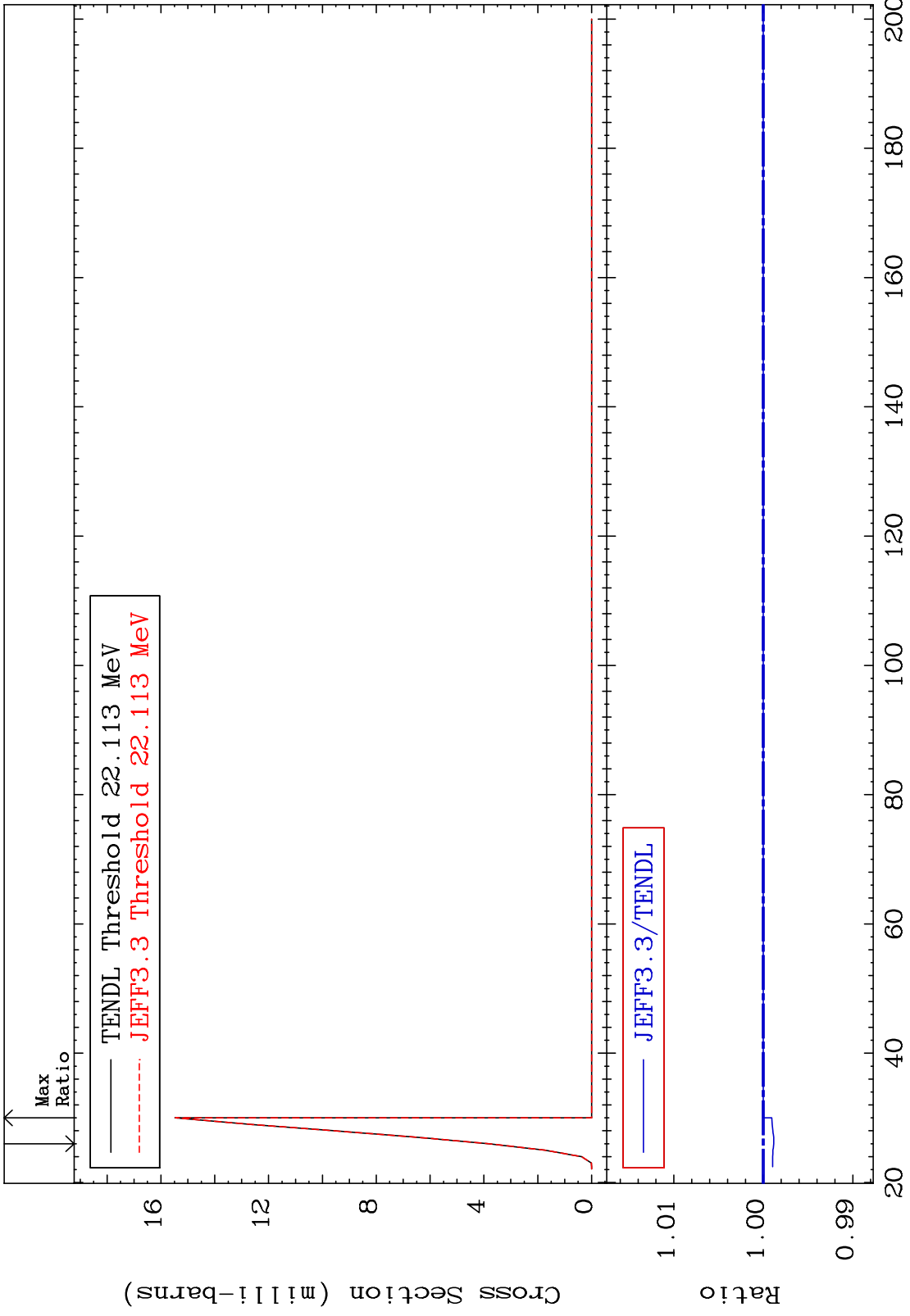
MAT 1031 (n,n') 2α Cross Section 10-Ne-22 To 41.57 %



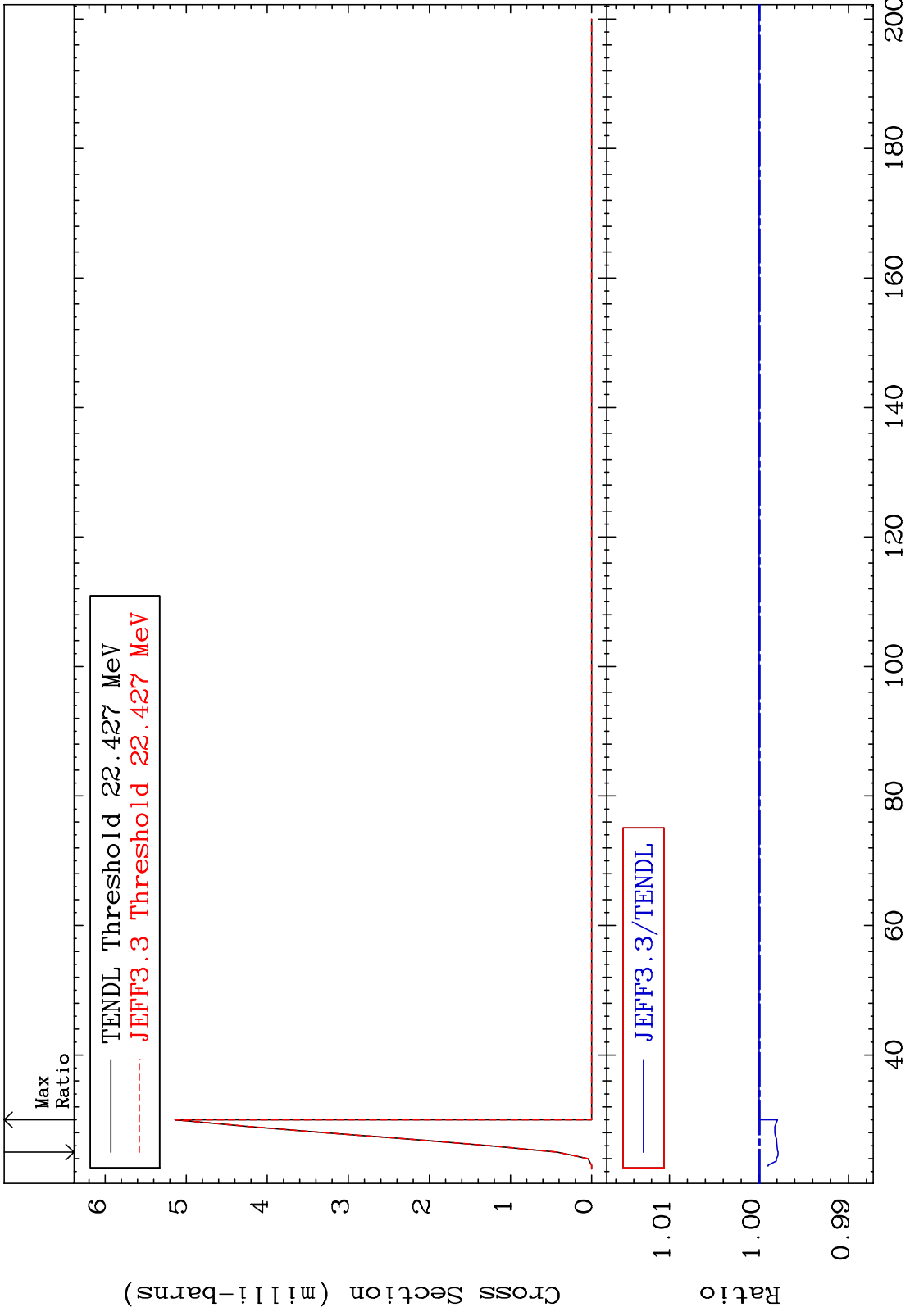
MAT 1031 (n,2n) 2α 10-Ne-22  
Cross Section -3.711 To 2.897 %



MAT 1031 (n,n') d 10-Ne-22  
 Cross Section -0.117 To 0.000 %



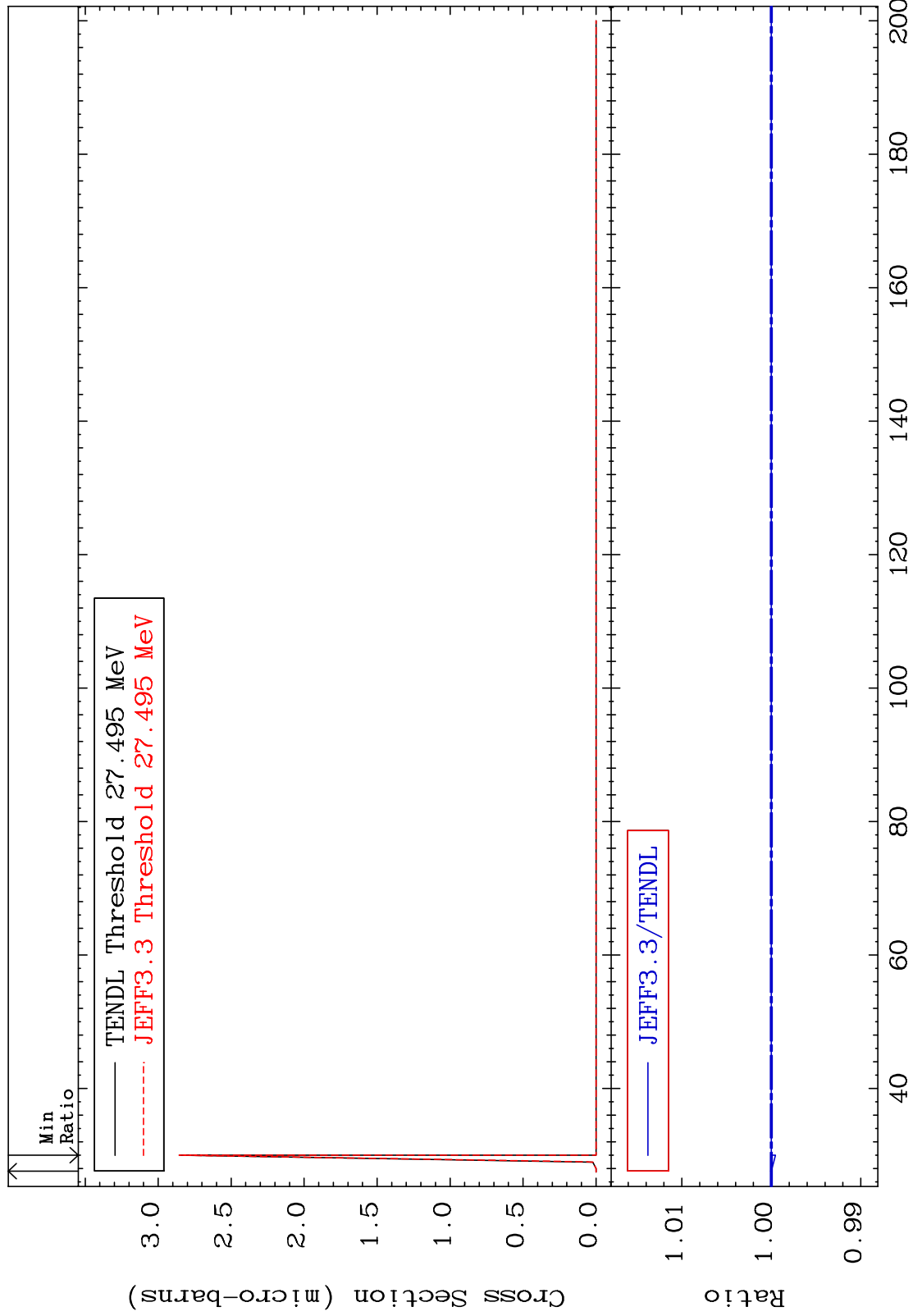
MAT 1031 (n,n') t 10-Ne-22  
 Cross Section -0.213 To 0.000 %



MAT 1031

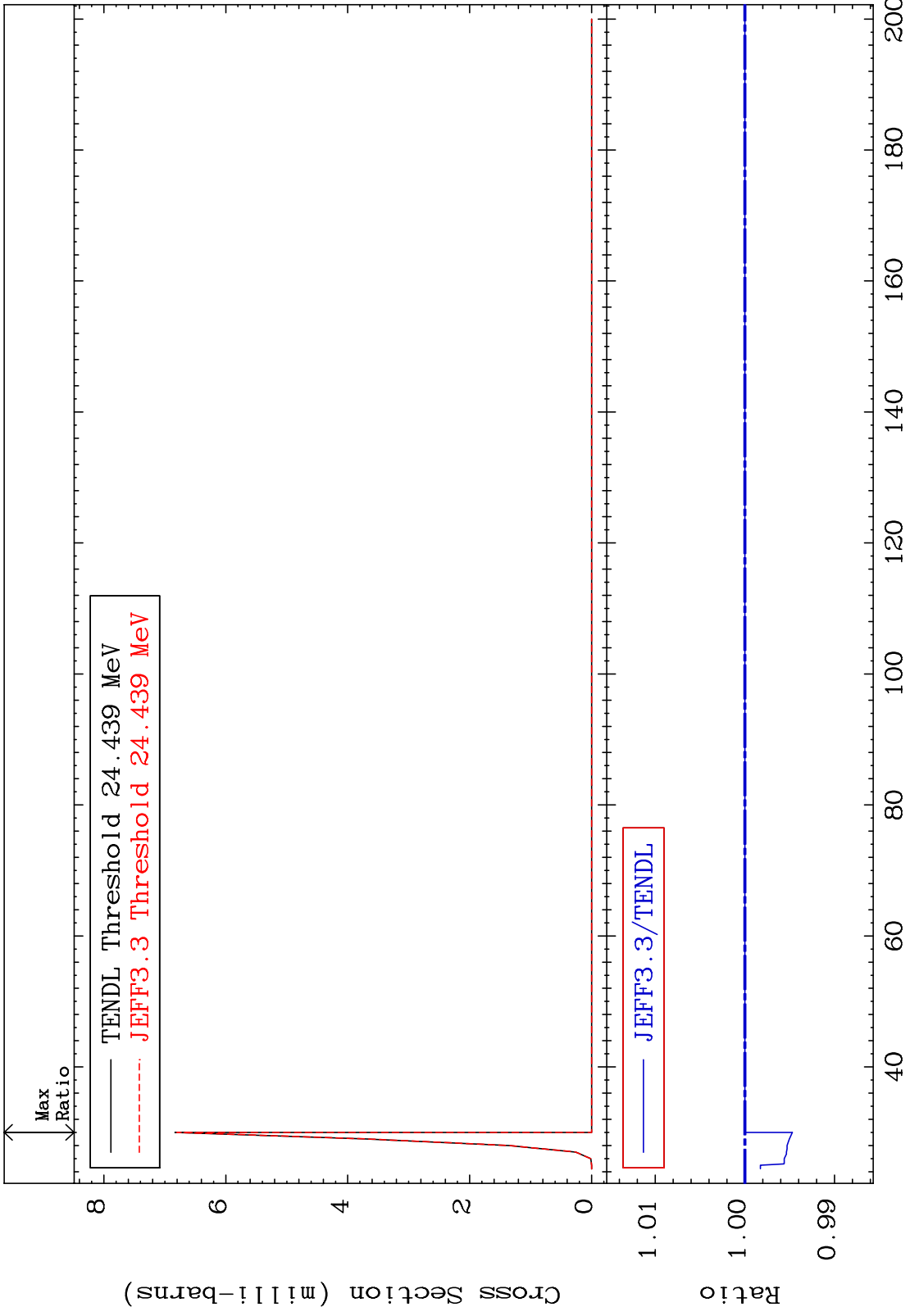
(n, n') He-3  
Cross Section

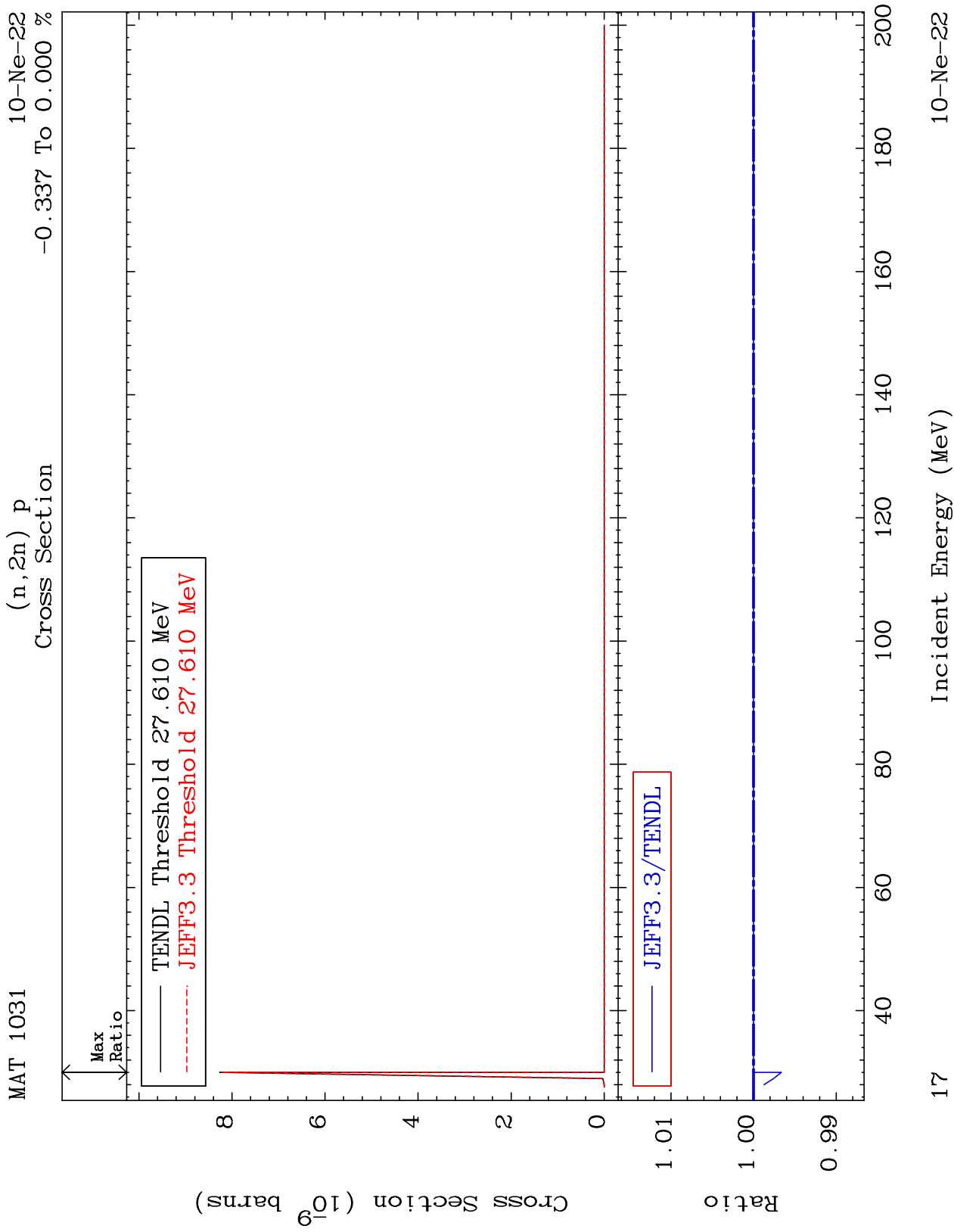
10-Ne-22  
-0.047 To 0.007 %





MAT 1031 (n,2n) p 10-Ne-22  
Cross Section -0.528 To 0.000 %

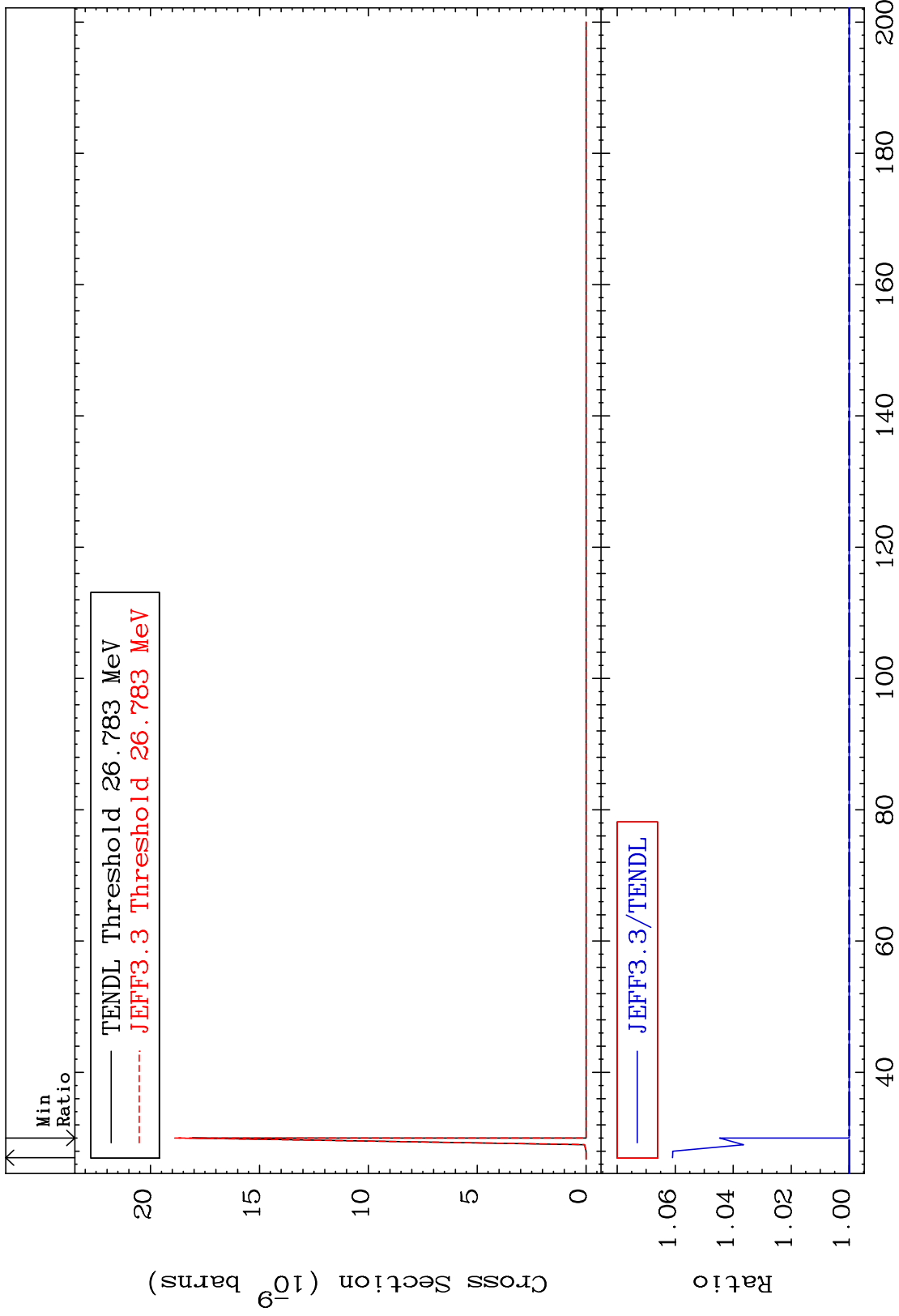




MAT 1031

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

10-Ne-22  
To 6.091 %

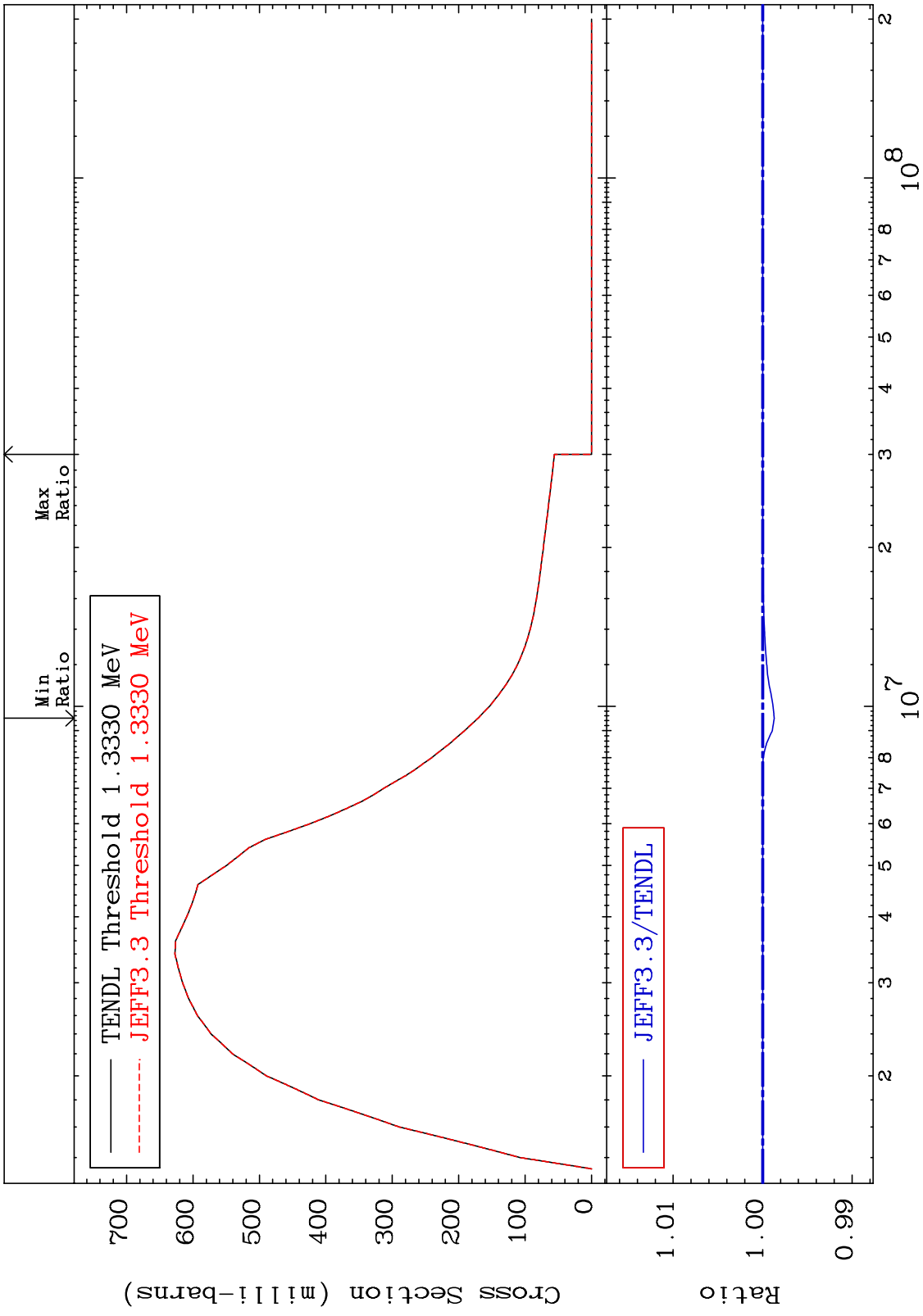


18

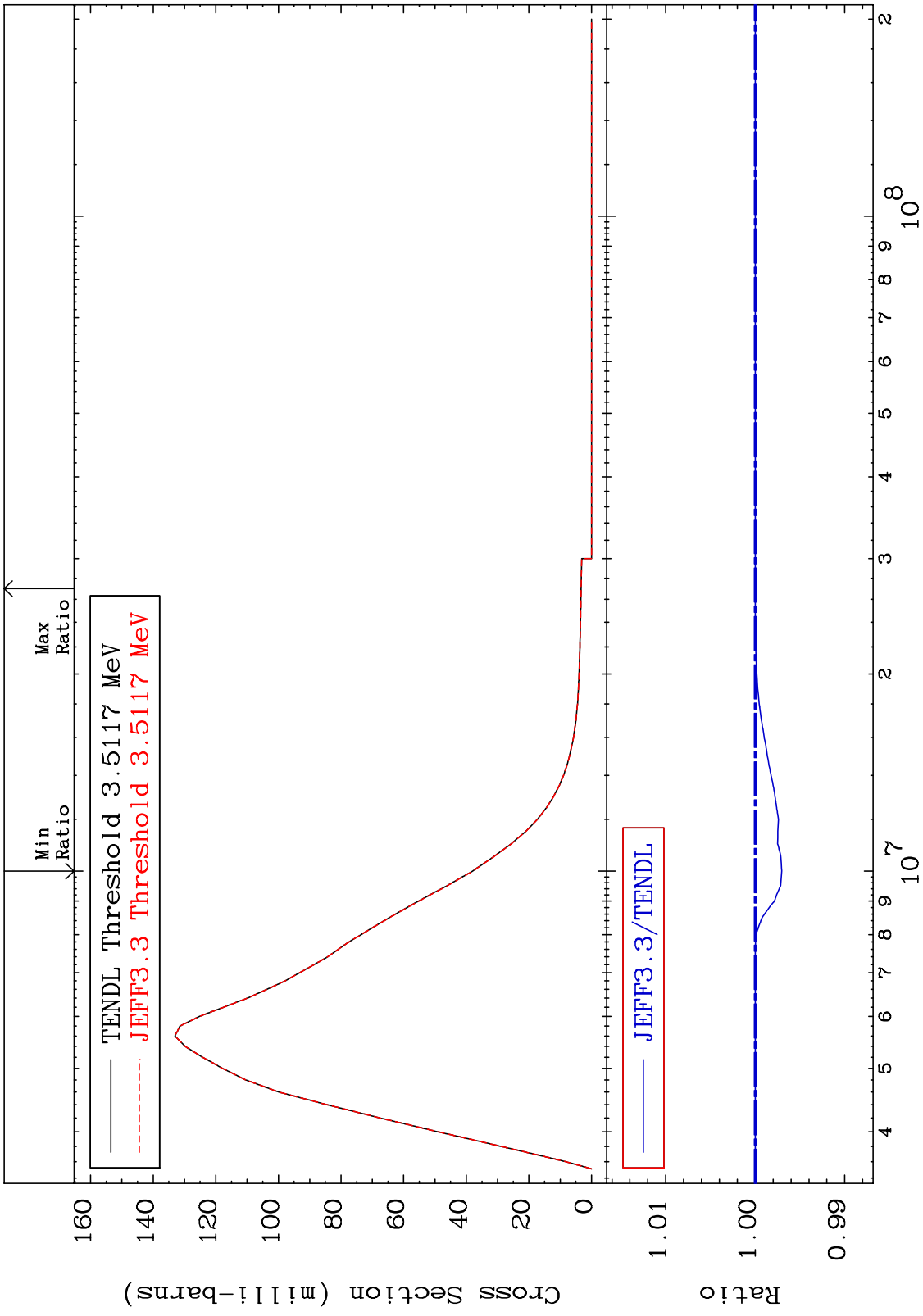
Incident Energy (MeV)

10-Ne-22

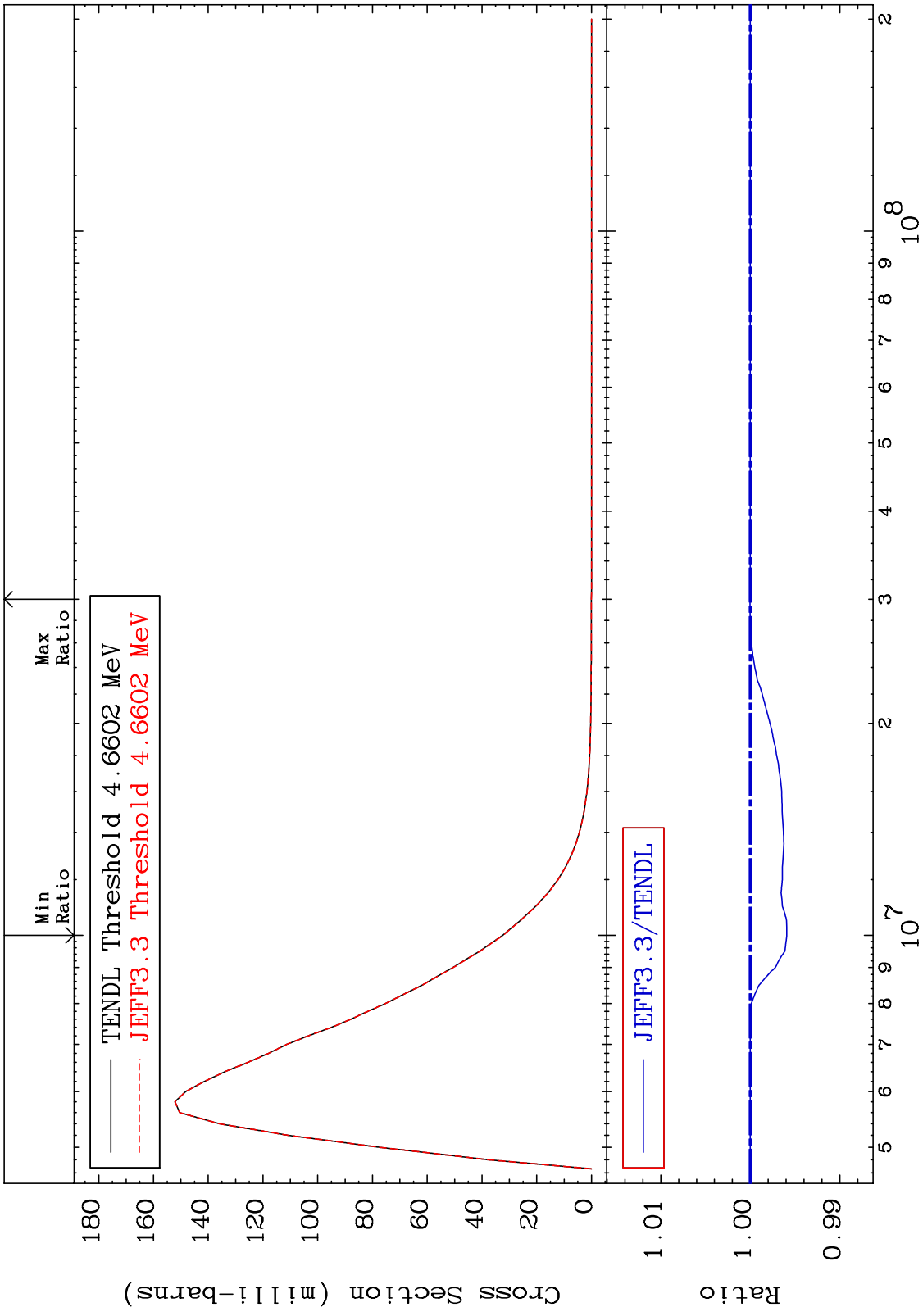
MAT 1031 MT= 51 (n,n') Level Cross Section 10-Ne-22 -0.130 To 0.000 %



MAT 1031 MT= 52 (n,n') Level Cross Section 10-Ne-22  
 -0.296 To 0.000 %



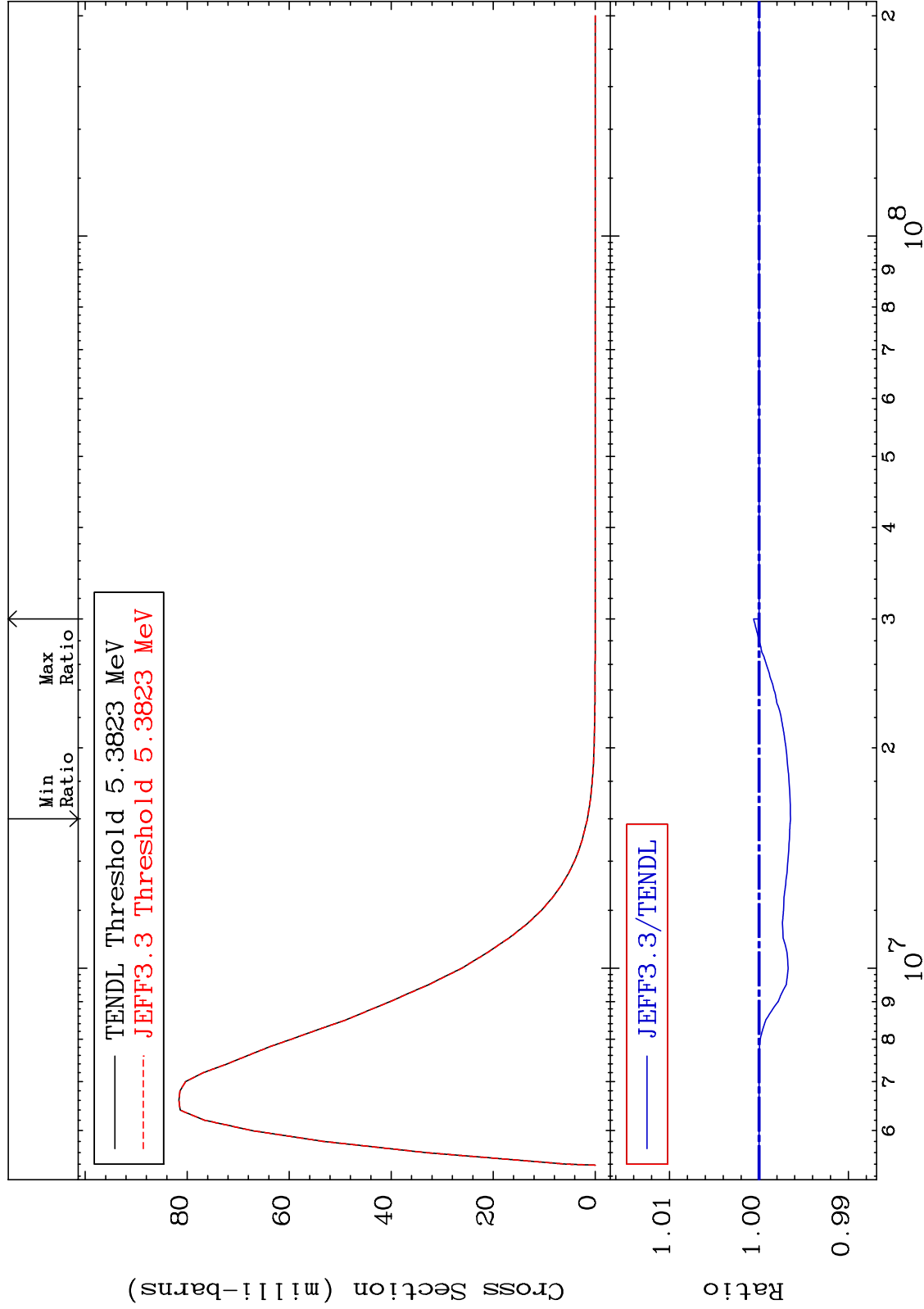
MAT 1031 MT= 53 (n,n') Level Cross Section 10-Ne-22  
 -0.407 To 0.003 %



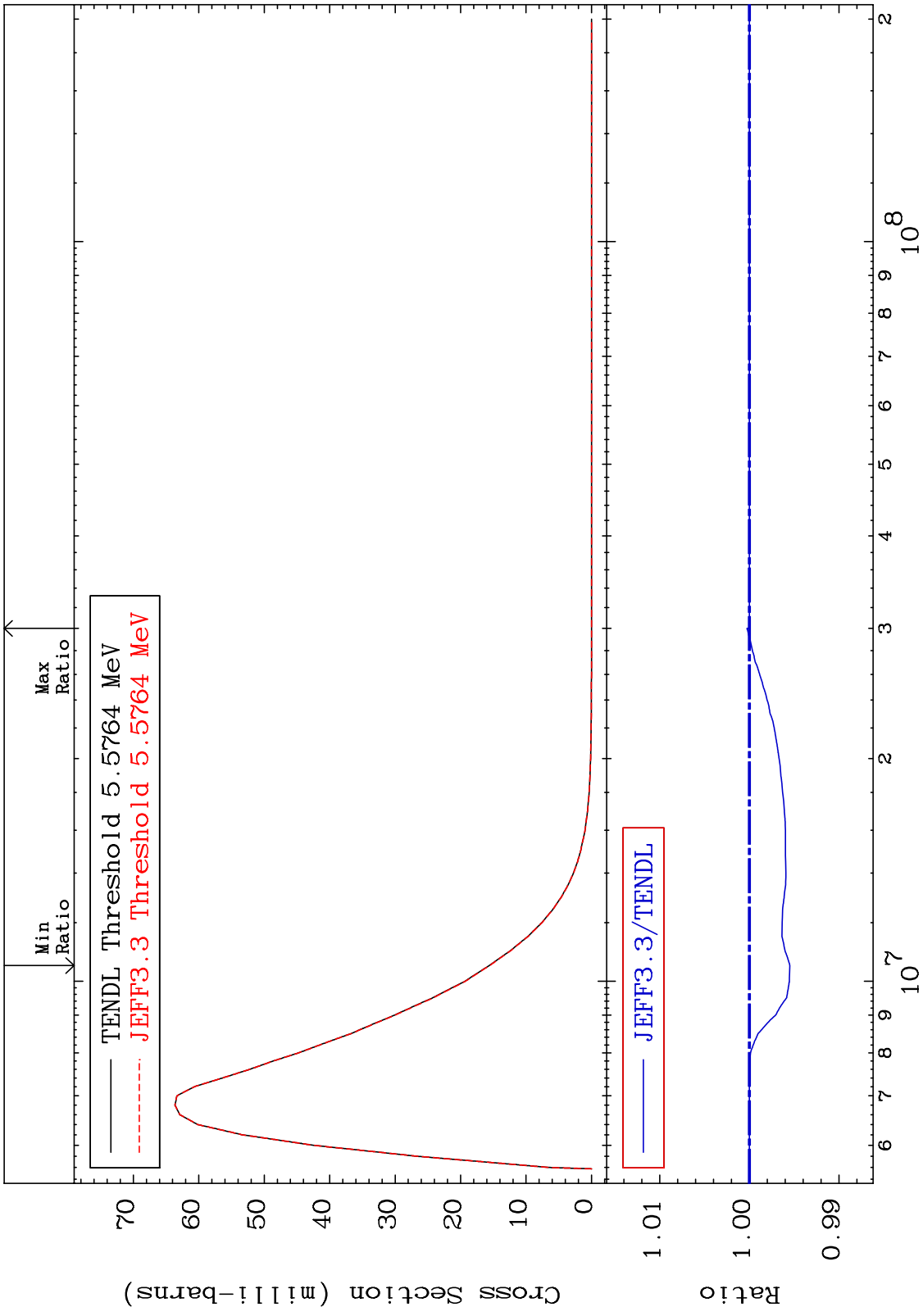
MAT 1031

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

10-Ne-22  
-0.352 To 0.061 %

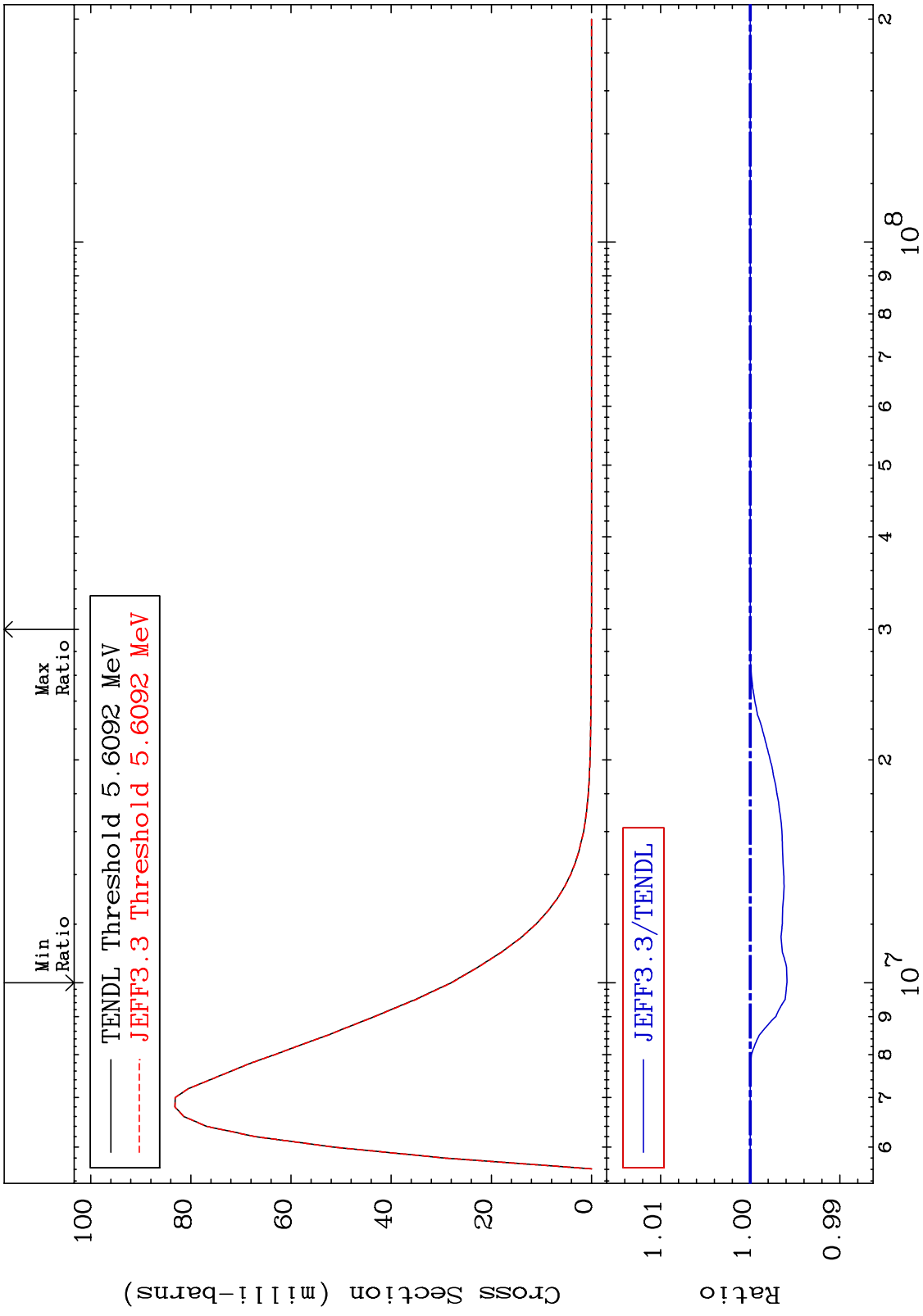


MAT 1031 MT= 55 (n,n') Level Cross Section 10-Ne-22  
 -0.452 To 0.027 %





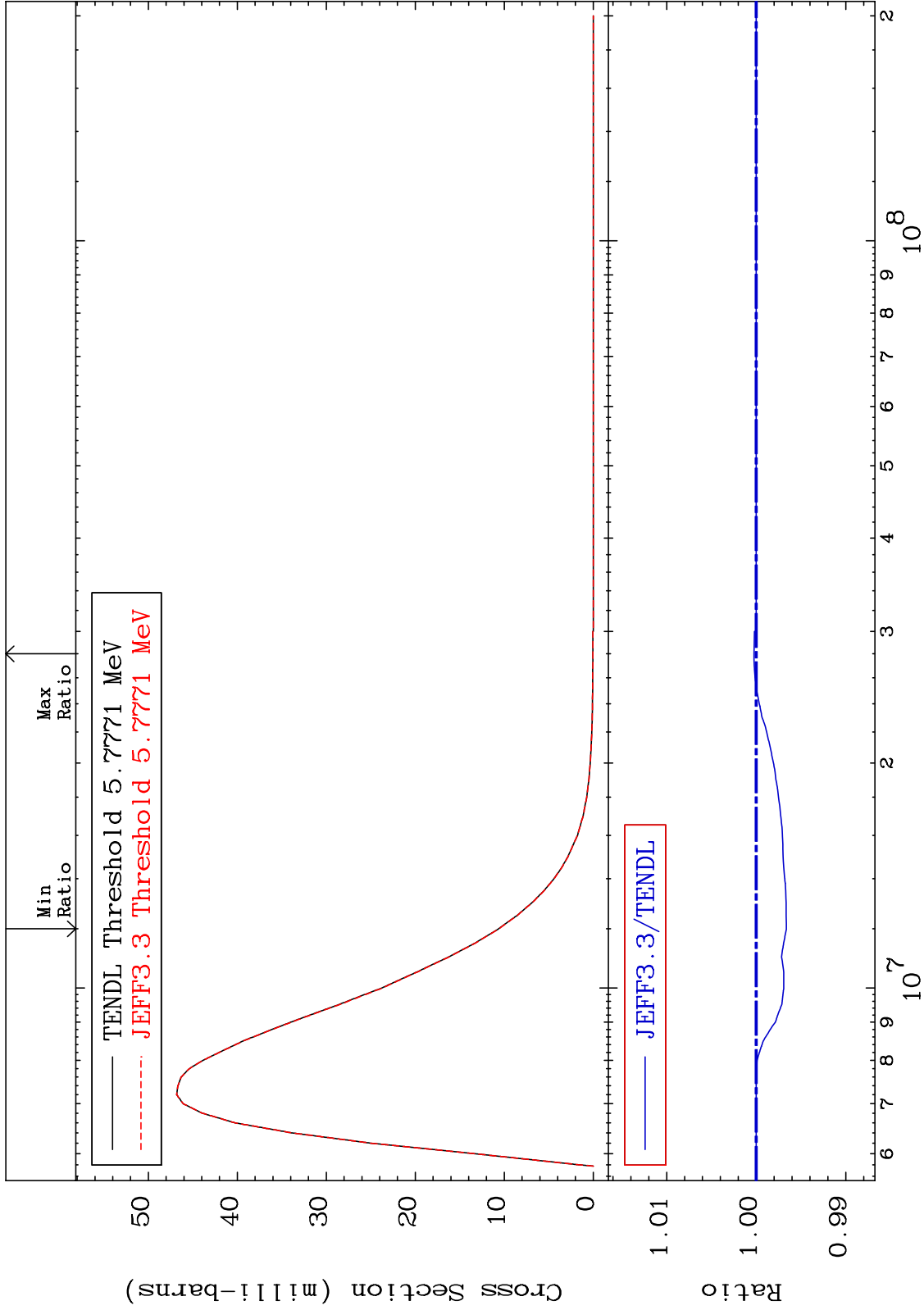
MAT 1031 MT= 56 (n,n') Level Cross Section 10-Ne-22  
 -0.410 To 0.003 %



MAT 1031

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

10-Ne-22  
-0.337 To 0.024 %

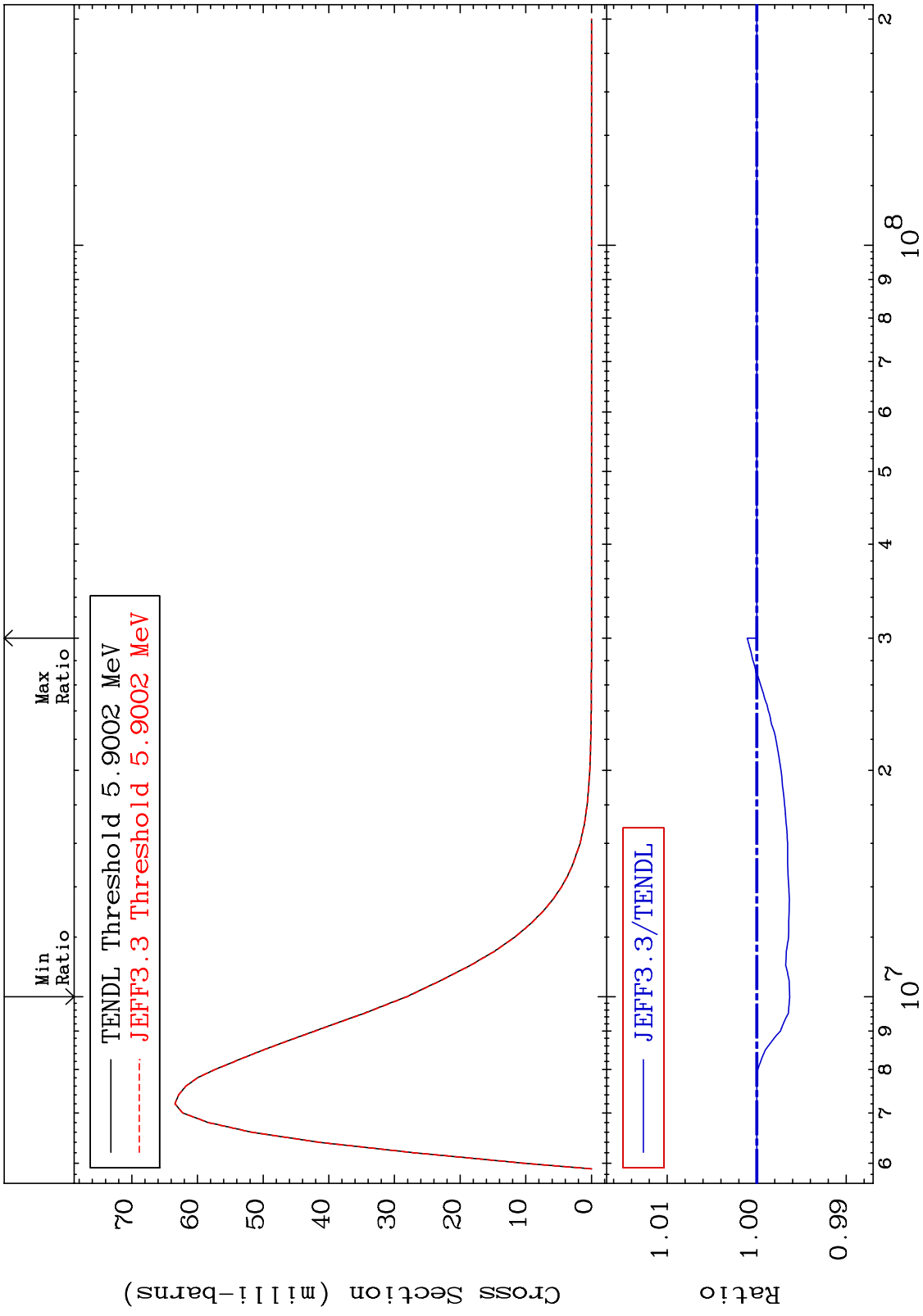


25

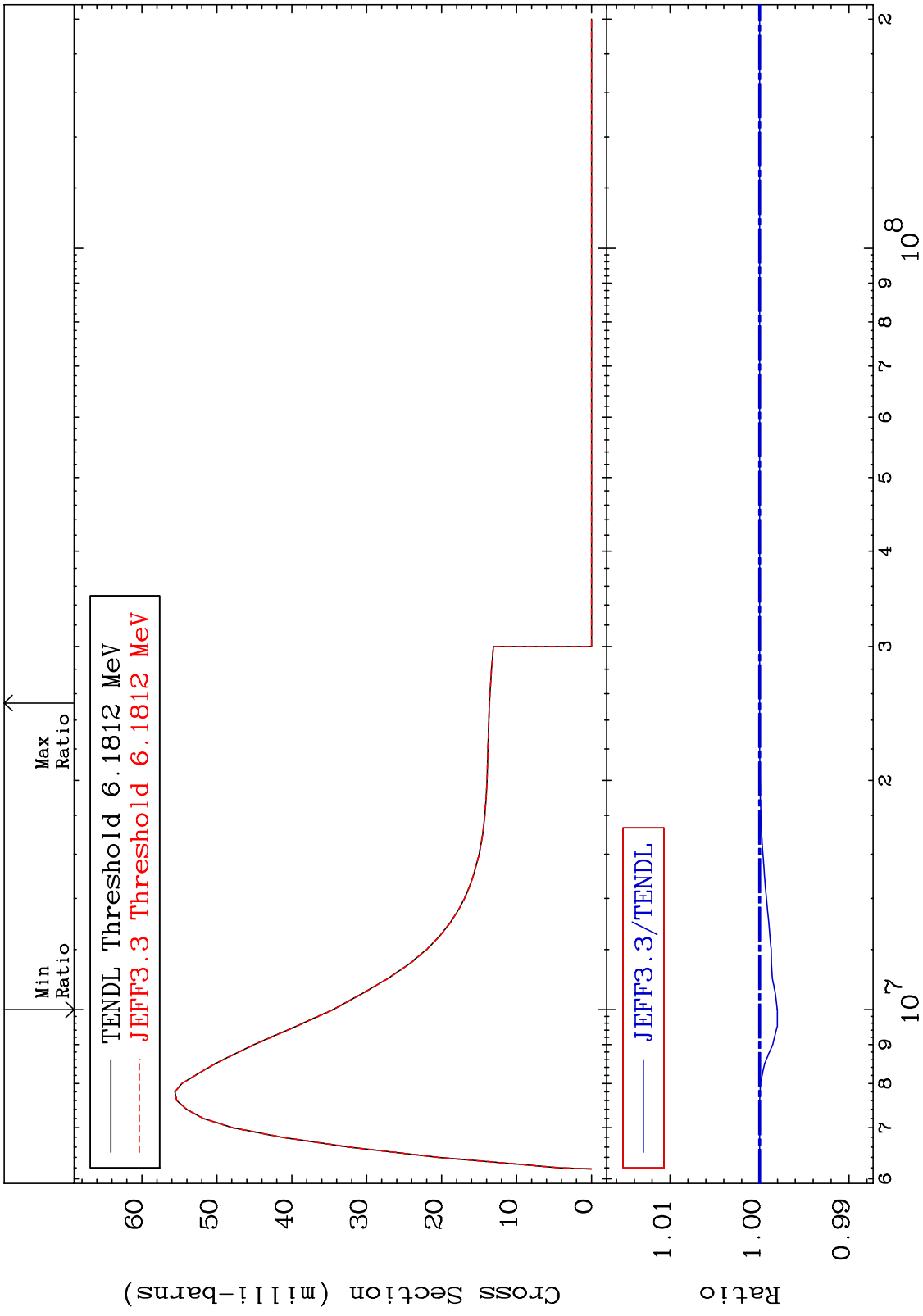
Incident Energy (eV)

10-Ne-22

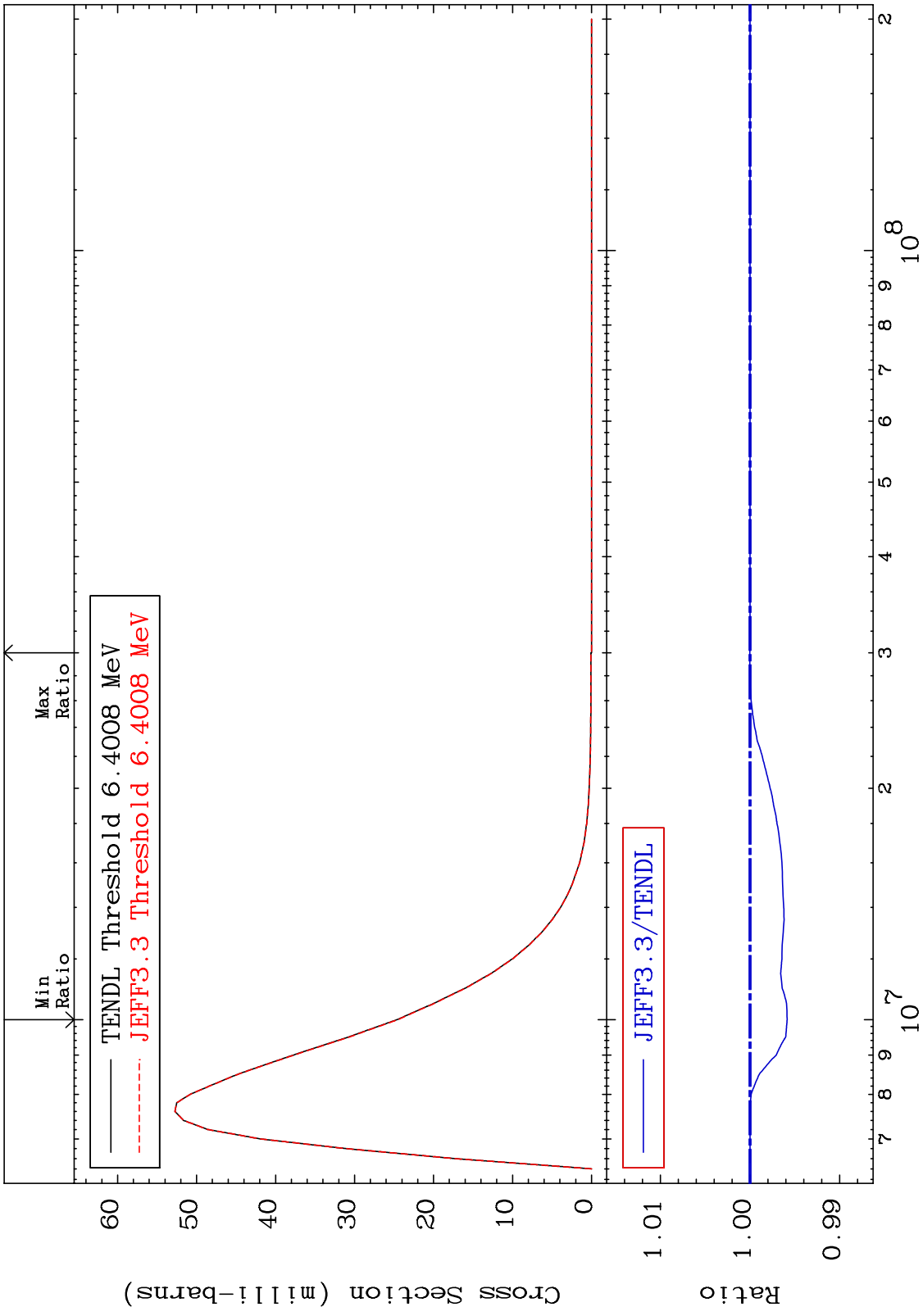
MAT 1031 MT= 58 (n,n') Level Cross Section 10-Ne-22  
 -0.368 To 0.107 %



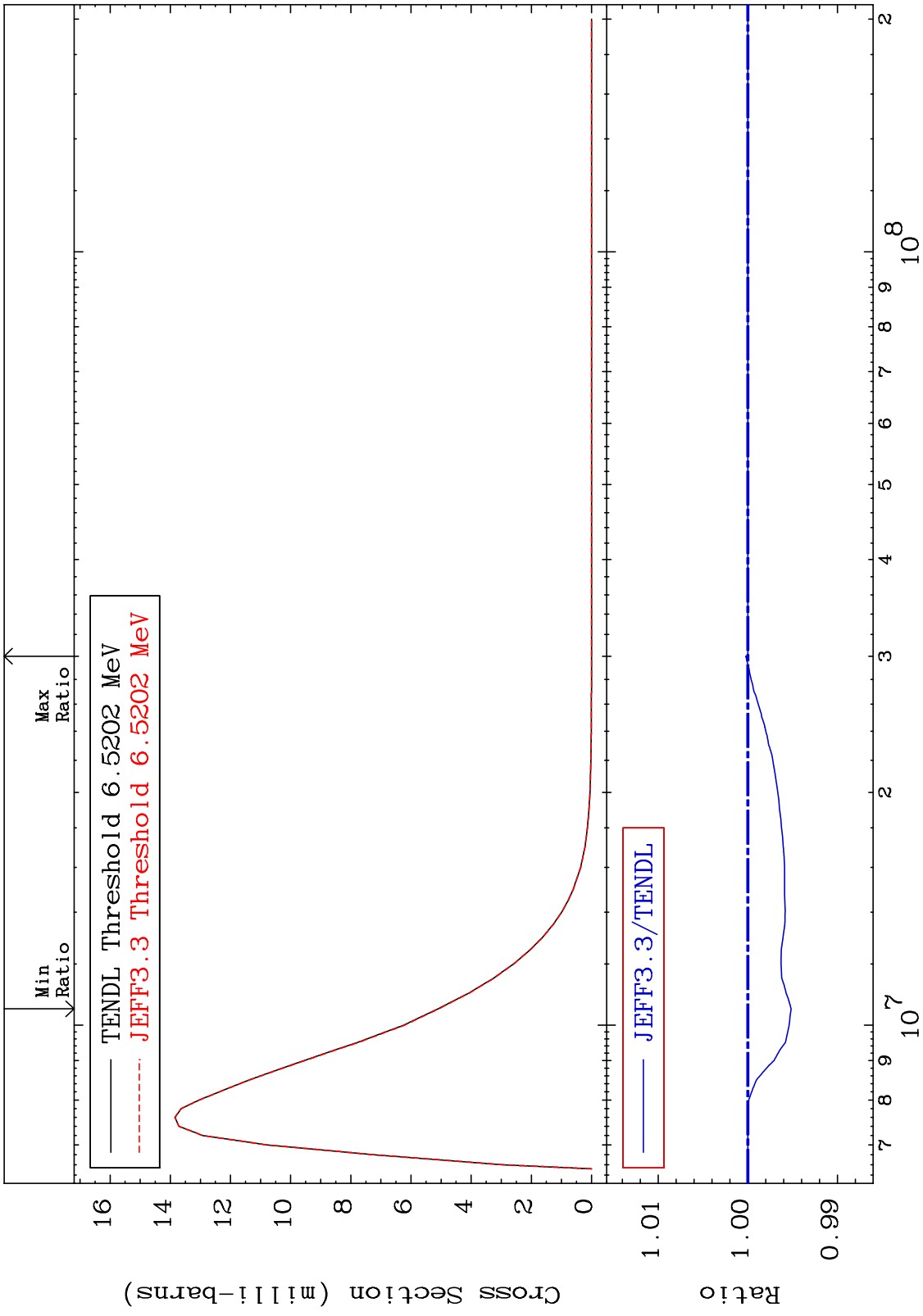
MAT 1031 MT= 59 (n,n') Level Cross Section 10-Ne-22  
 -0.198 To 0.000 %



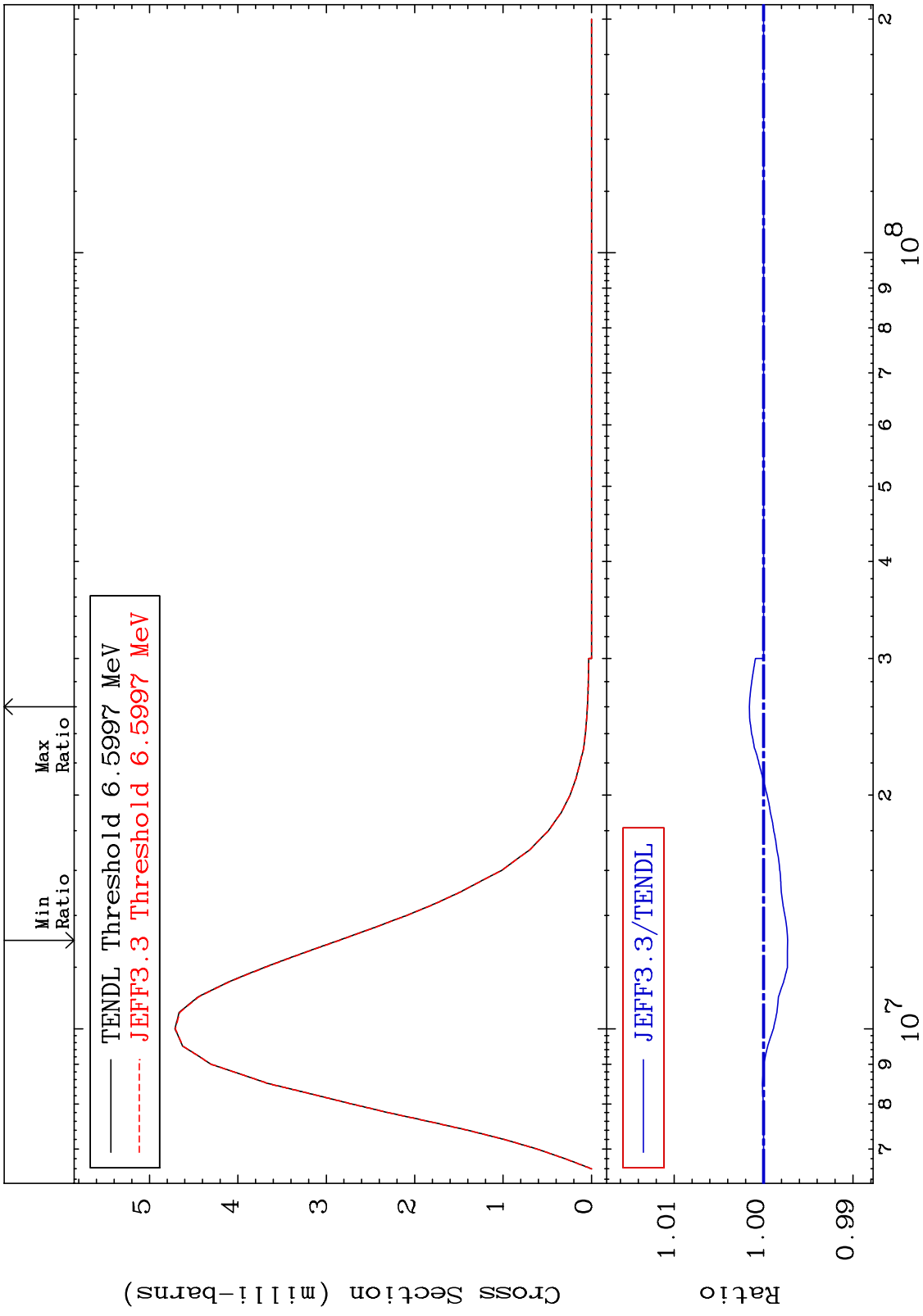
MAT 1031 MT= 60 (n,n') Level Cross Section 10-Ne-22  
 -0.415 To 0.003 %



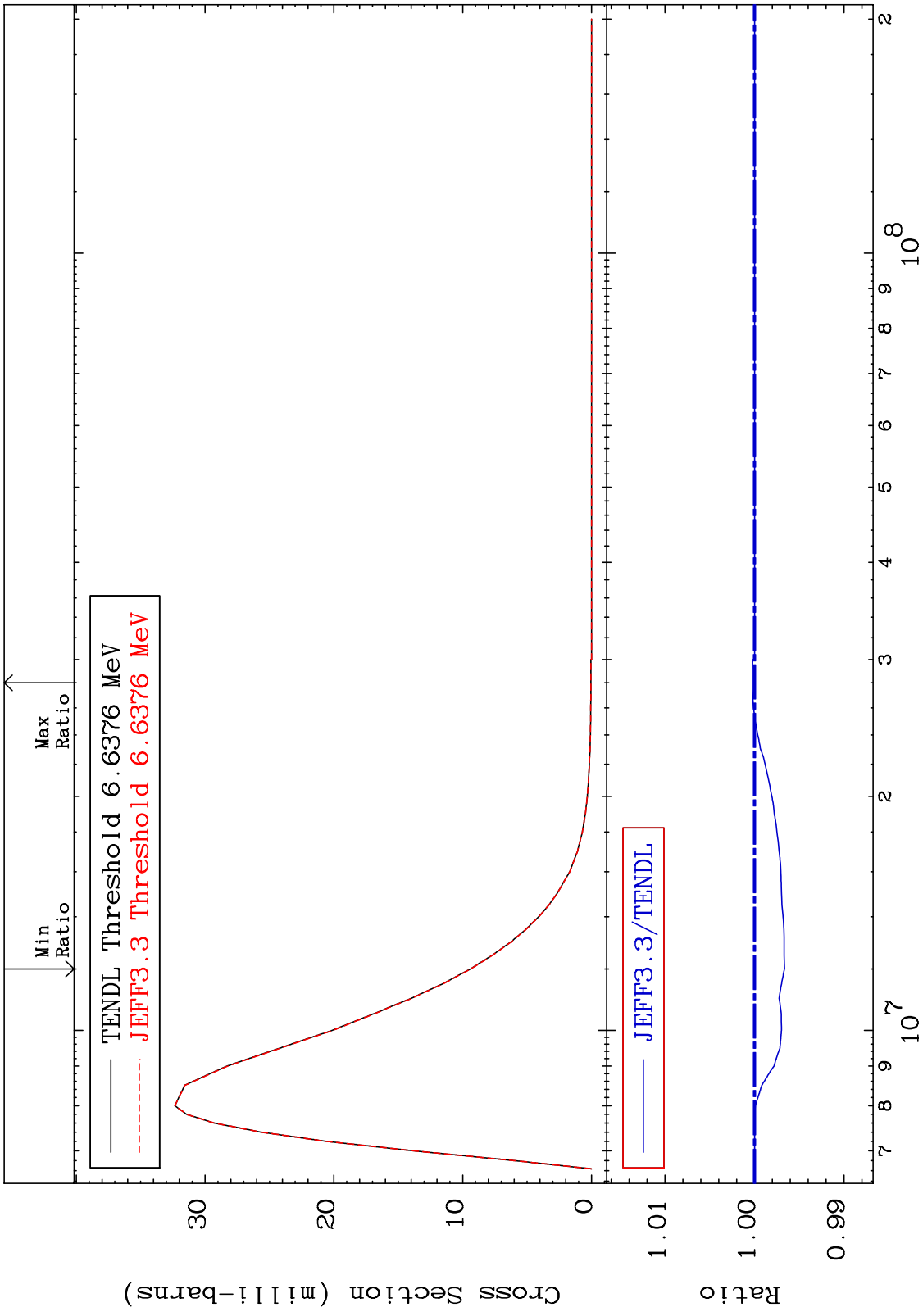
MAT 1031 MT= 61 (n,n') Level Cross Section 10-Ne-22  
 -0.482 To 0.024 %



MAT 1031 MT= 62 (n,n') Level Cross Section 10-Ne-22  
 -0.269 To 0.159 %

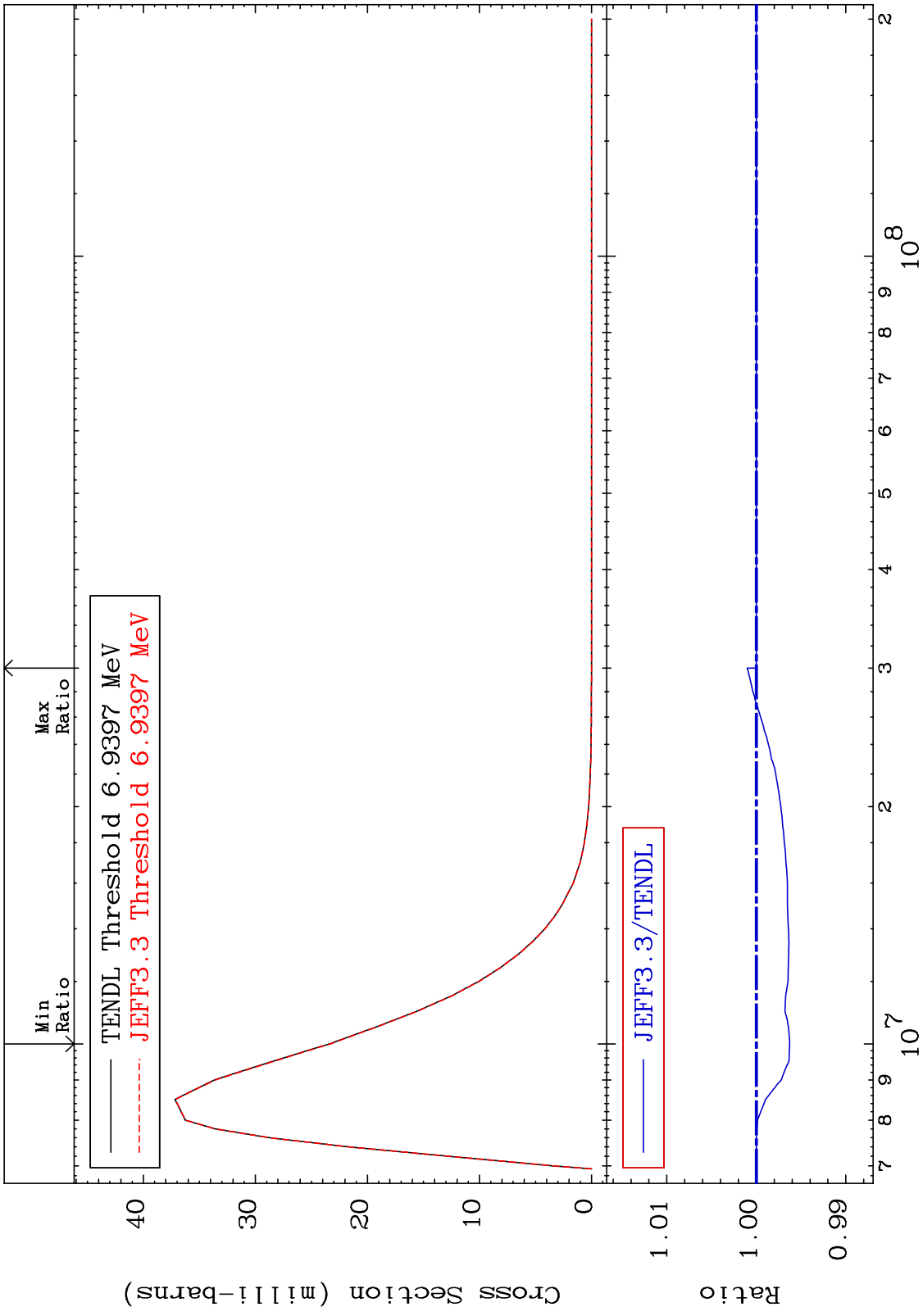


MAT 1031 MT= 63 (n,n') Level Cross Section 10-Ne-22  
 -0.335 To 0.023 %

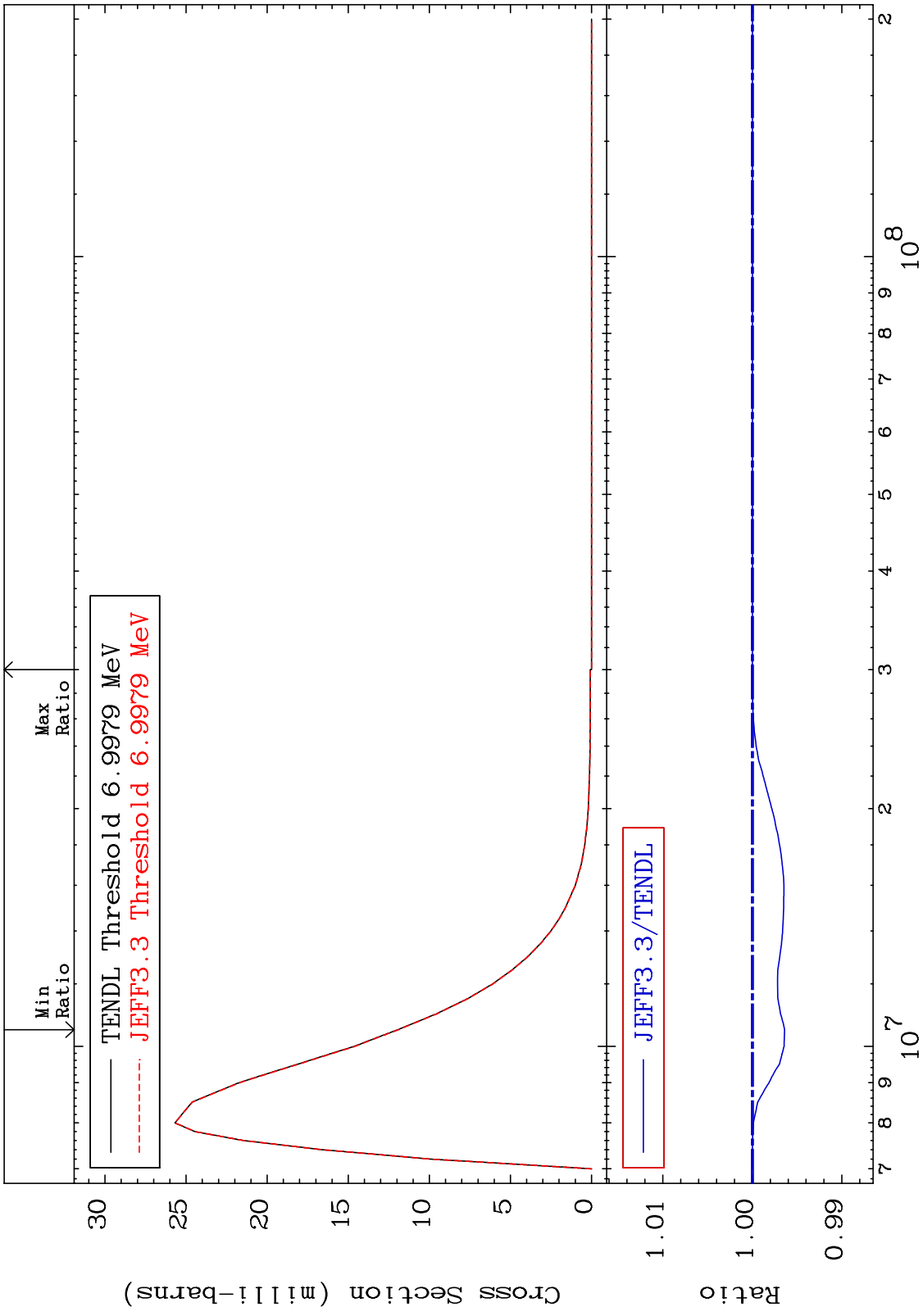




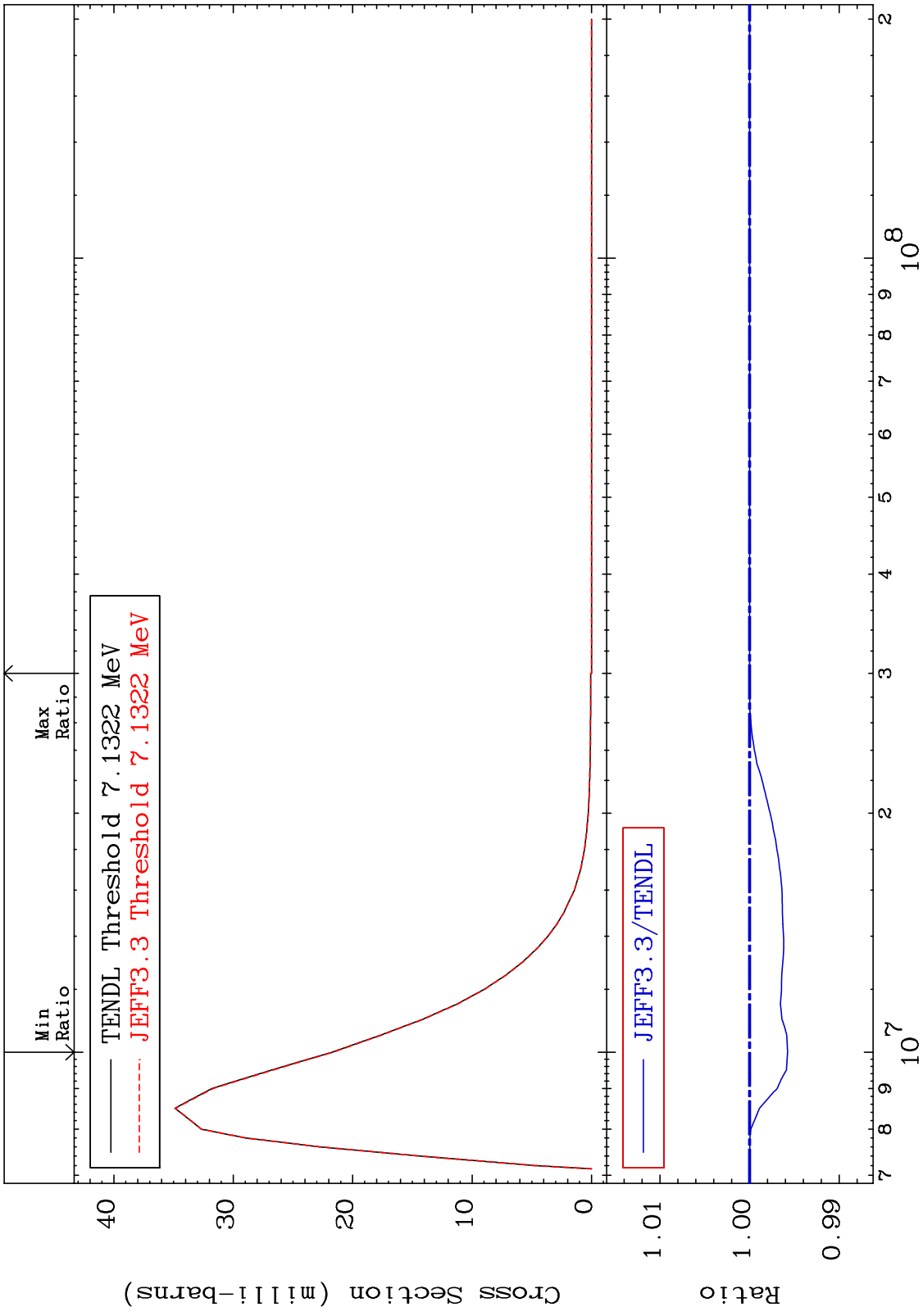
MAT 1031 MT= 64 (n,n') Level Cross Section 10-Ne-22  
 -0.373 To 0.102 %



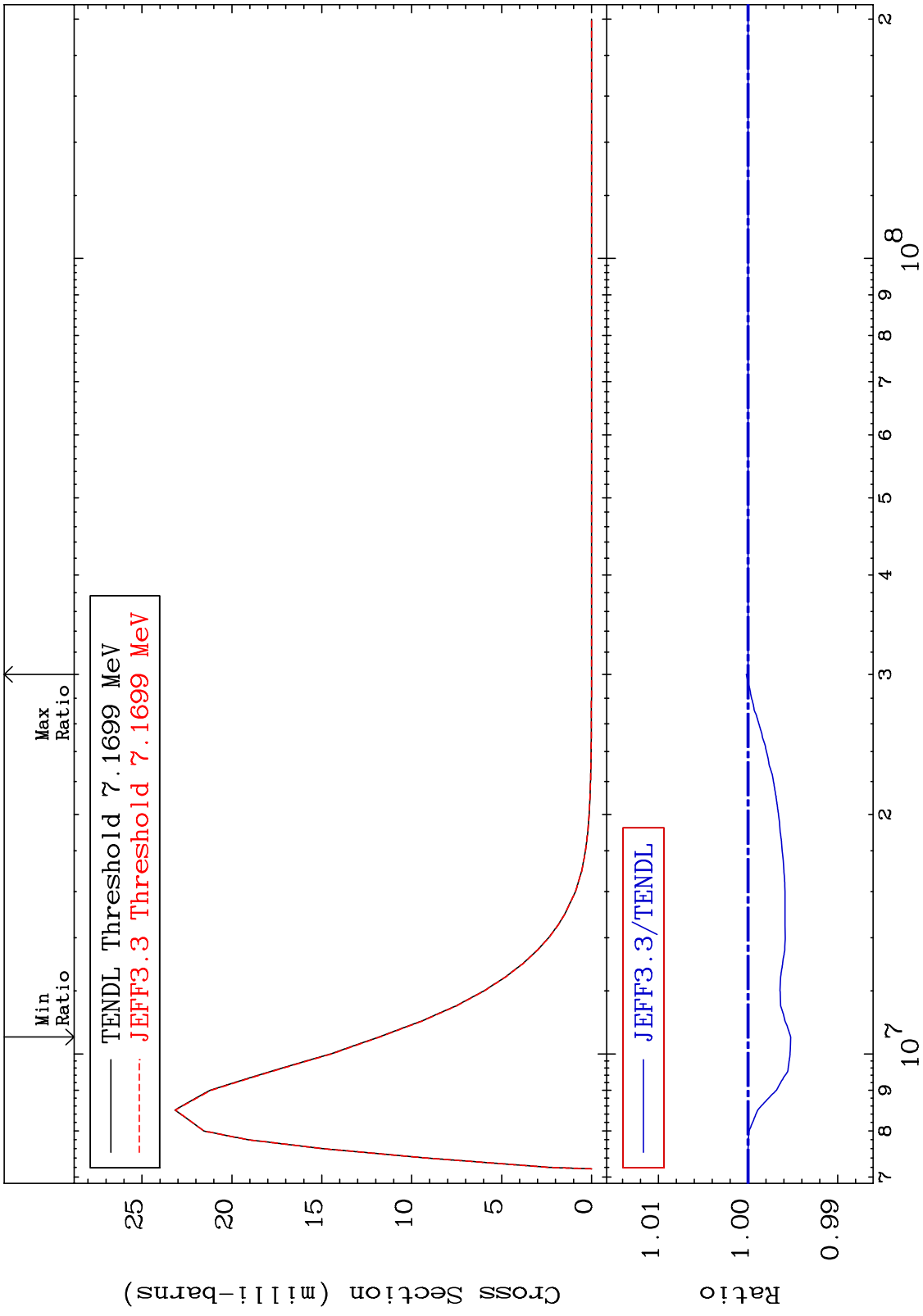
MAT 1031 MT= 65 (n,n') Level Cross Section 10-Ne-22  
 -0.360 To 0.000 %



MAT 1031 MT= 66 (n,n') Level Cross Section 10-Ne-22  
-0.424 To 0.003 %



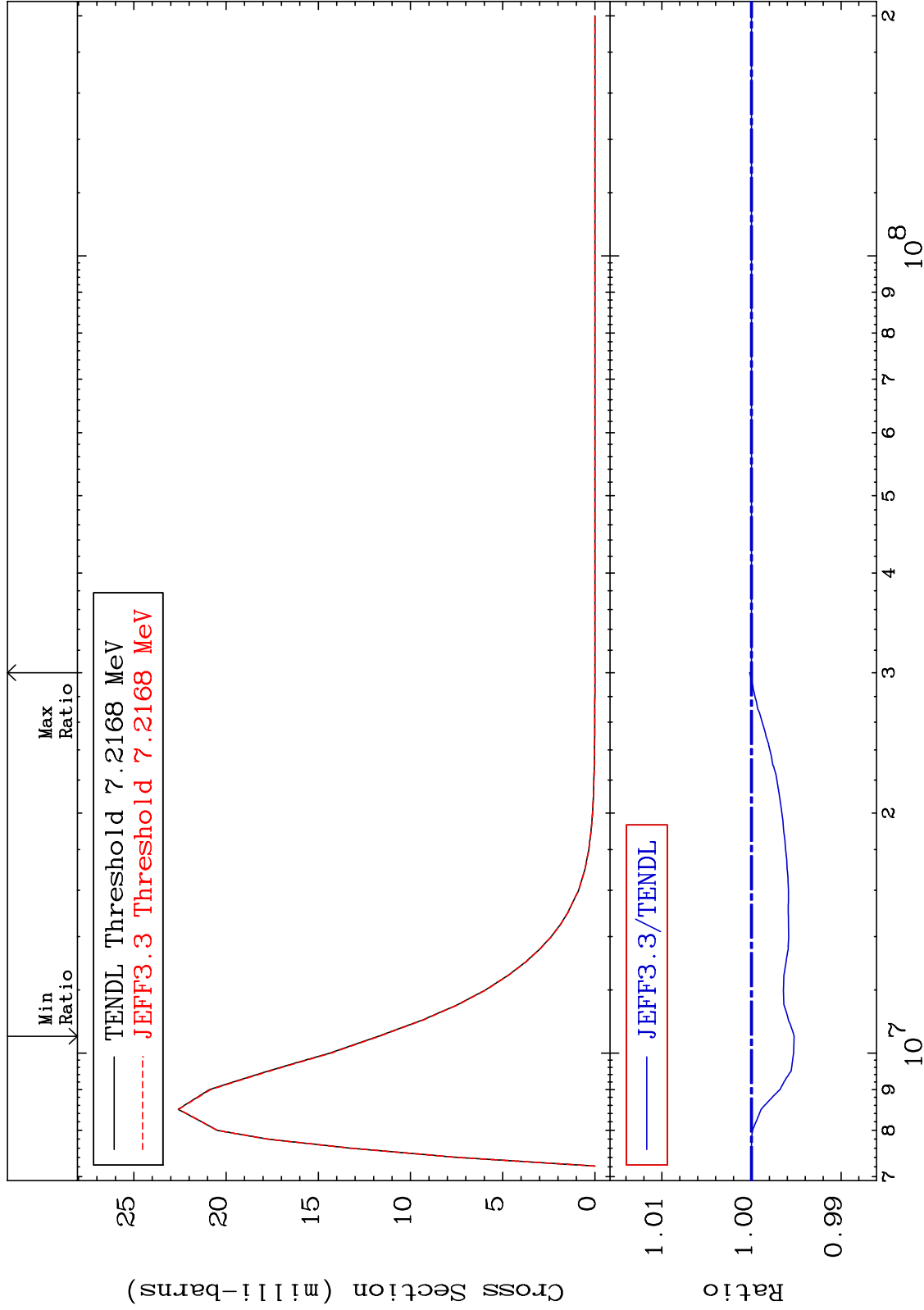
MAT 1031 MT= 67 (n,n') Level Cross Section 10-Ne-22  
 -0.475 To 0.020 %



MAT 1031

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

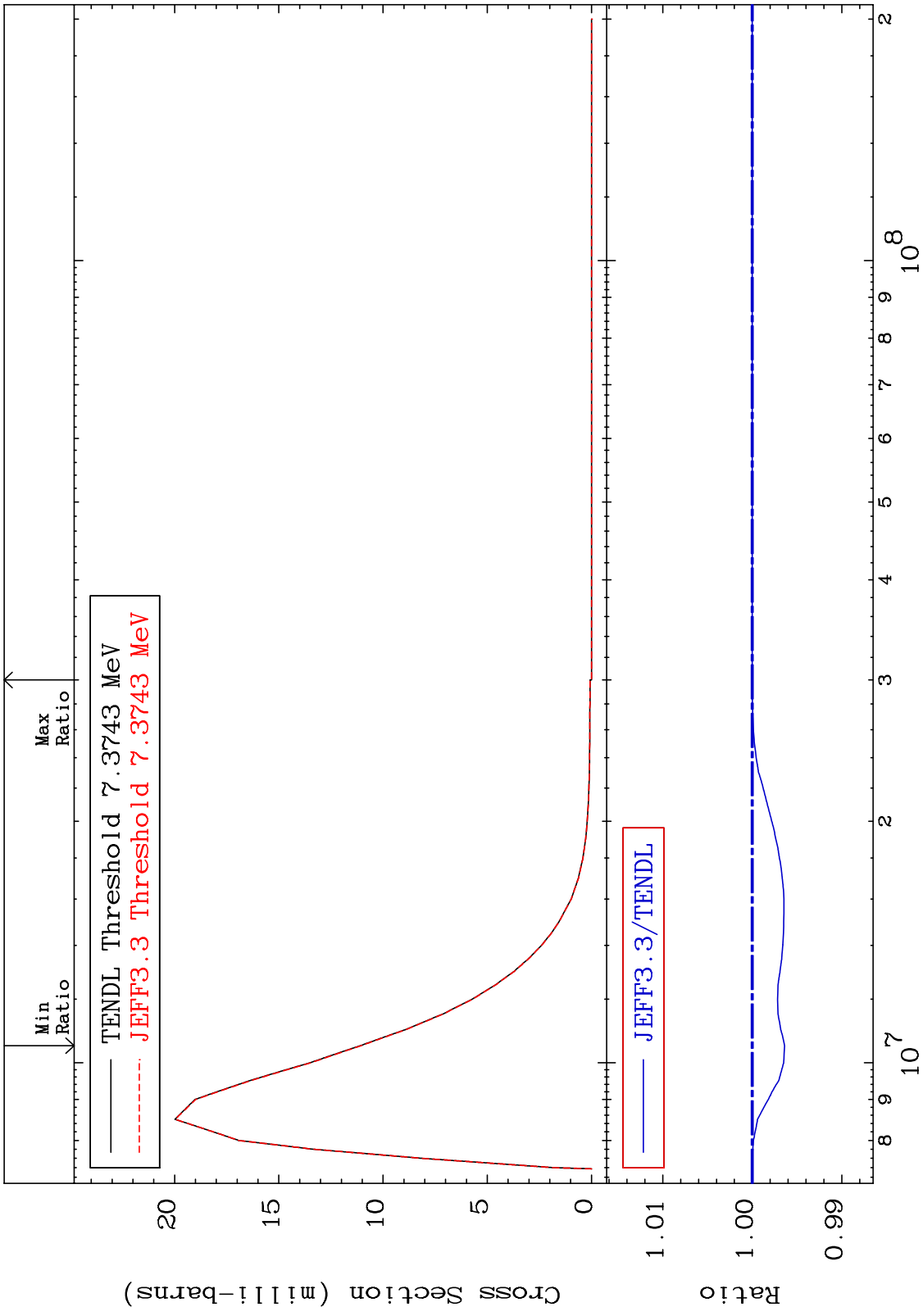
10-Ne-22  
-0.477 To 0.020 %



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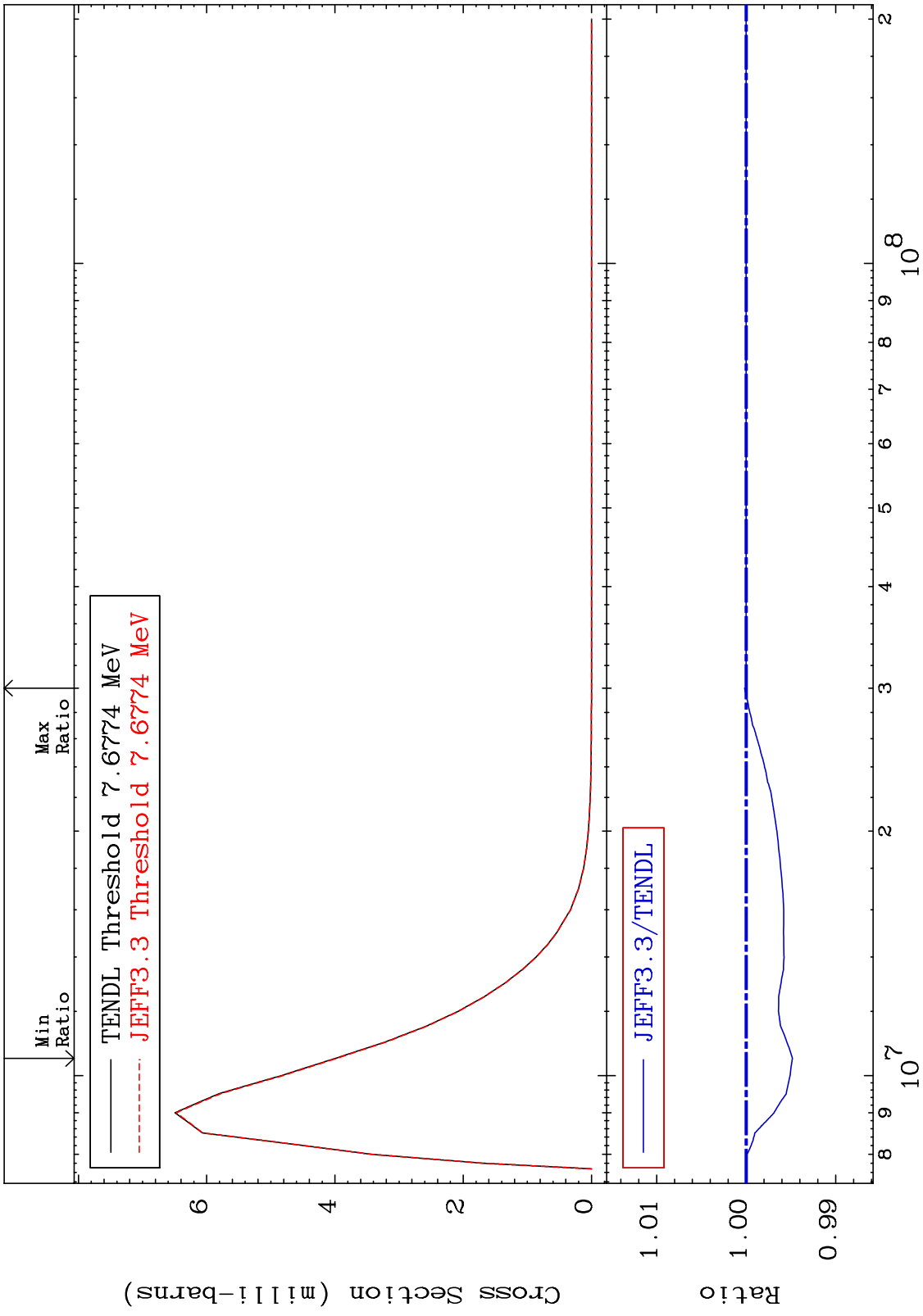
10-Ne-22

MAT 1031 MT= 69 (n,n') Level Cross Section 10-Ne-22  
 -0.361 To 0.000 %

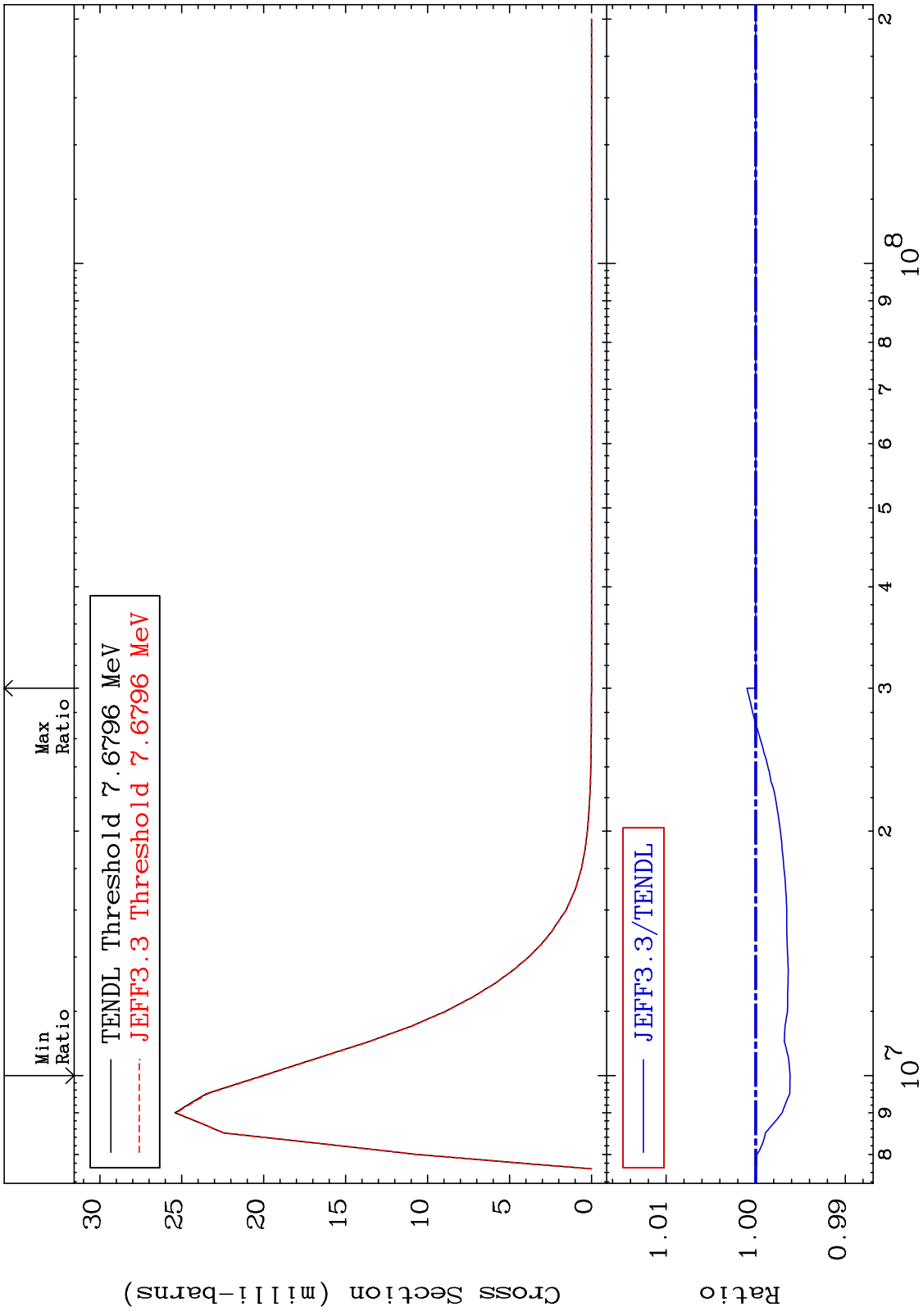


37 10-Ne-22 Incident Energy (eV)

MAT 1031 MT= 70 (n,n') Level Cross Section 10-Ne-22  
 -0.516 To 0.019 %

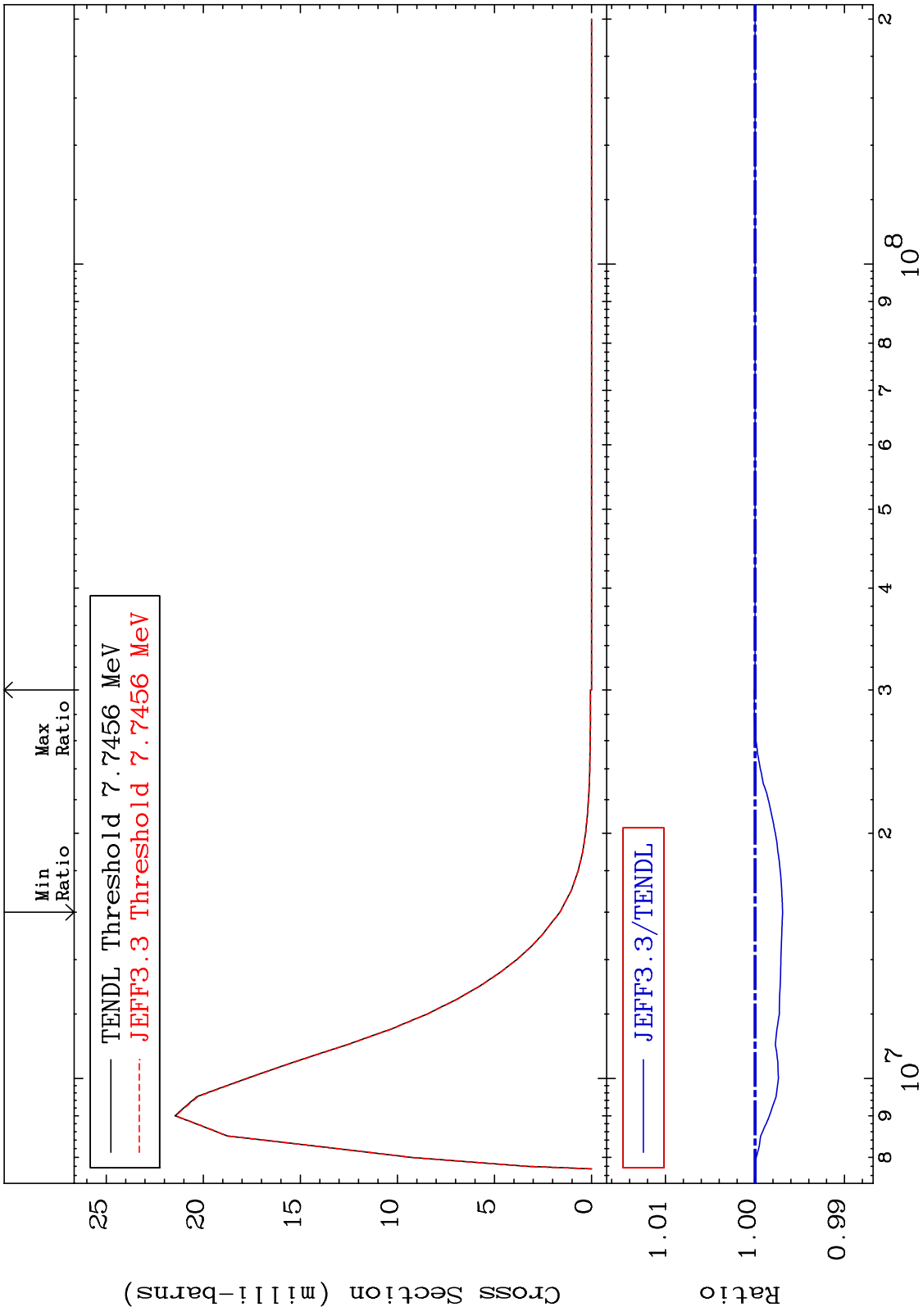


MAT 1031 MT= 71 (n,n') Level Cross Section 10-Ne-22  
-0.383 To 0.099 %



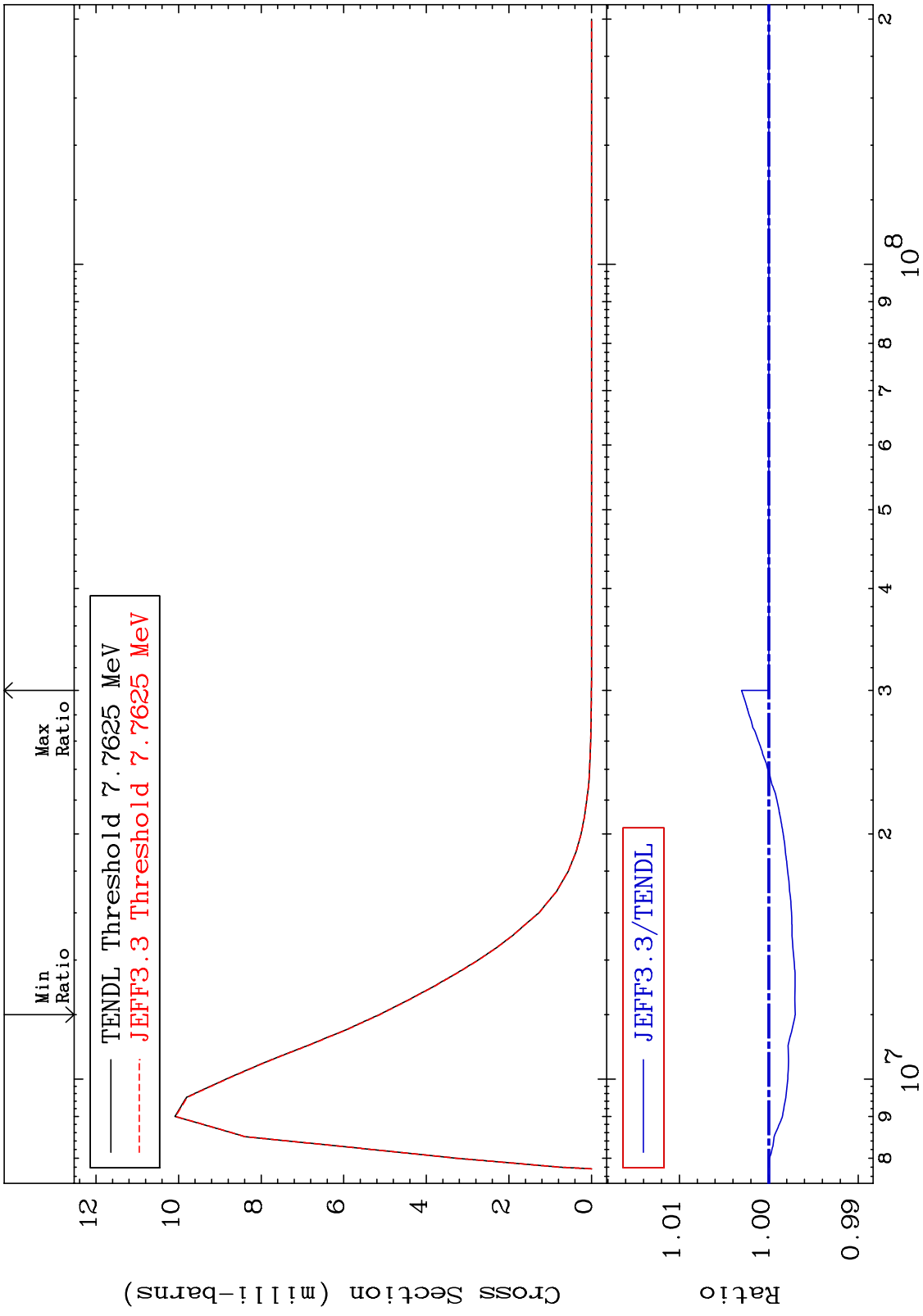


MAT 1031 MT= 72 (n,n') Level Cross Section 10-Ne-22  
-0.308 To 0.008 %



40 10-Ne-22

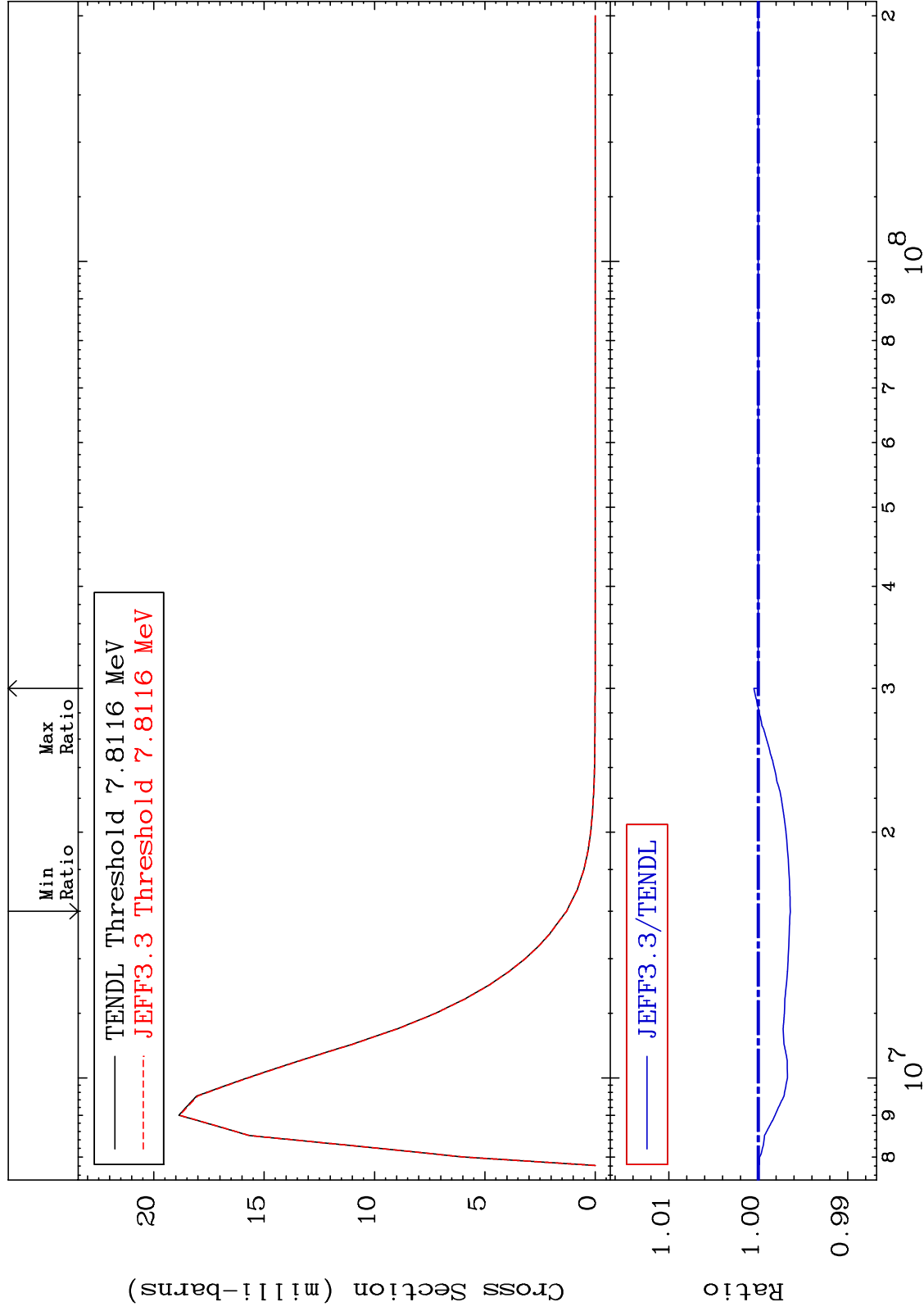
MAT 1031 MT= 73 (n,n') Level Cross Section 10-Ne-22  
 -0.297 To 0.304 %



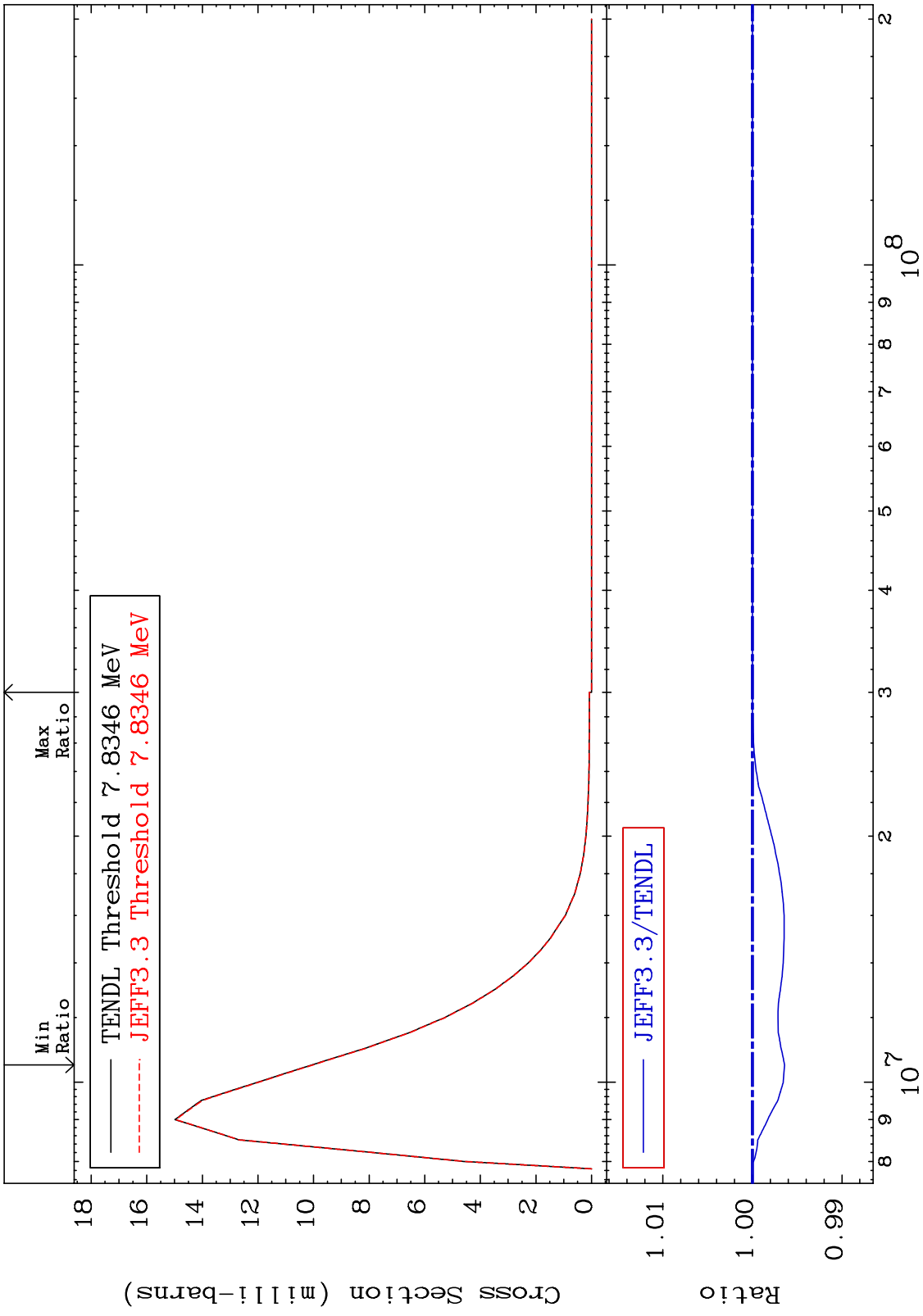
MAT 1031

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

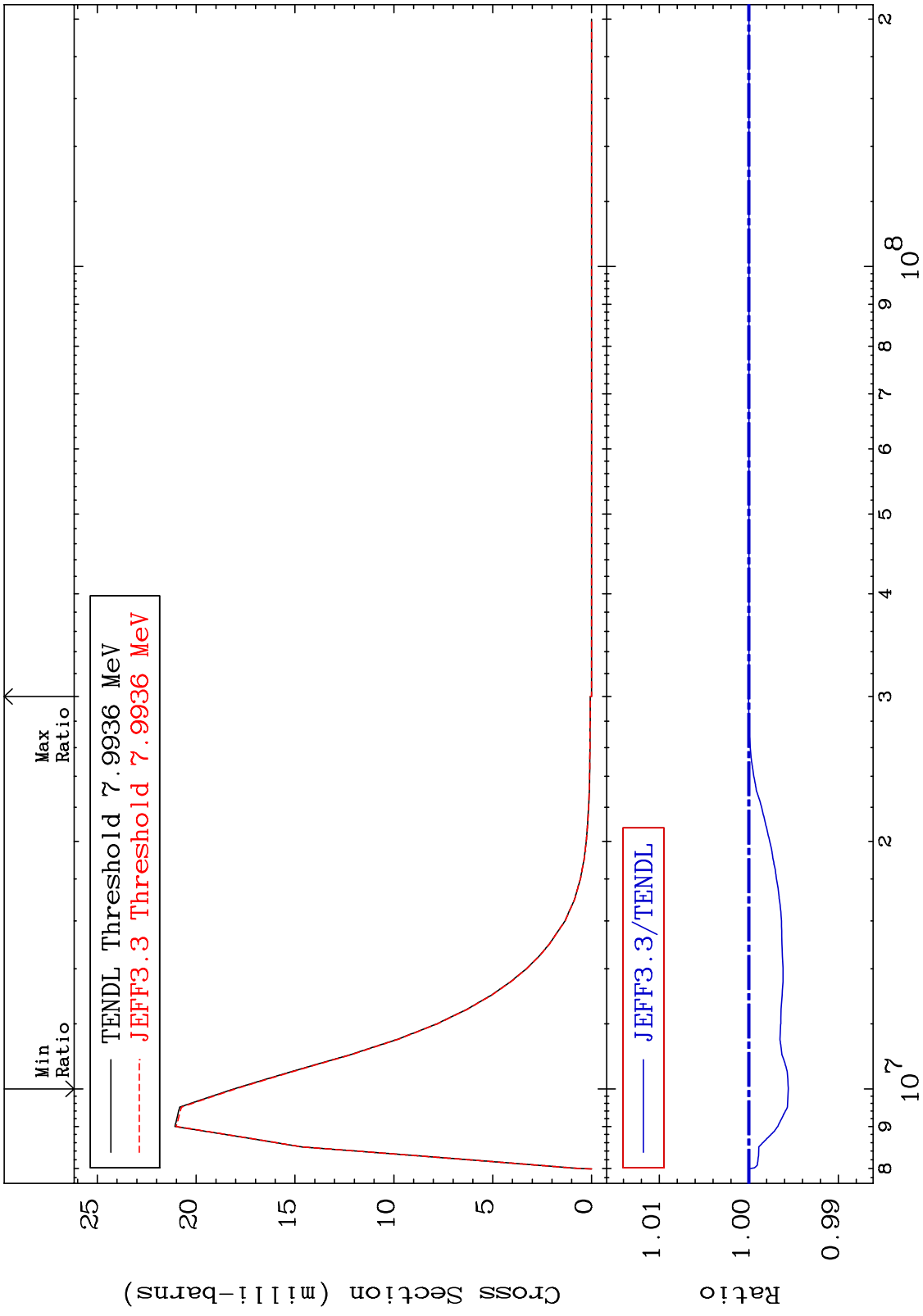
10-Ne-22  
-0.357 To 0.051 %



MAT 1031 MT= 75 (n,n') Level Cross Section 10-Ne-22  
 -0.359 To 0.000 %



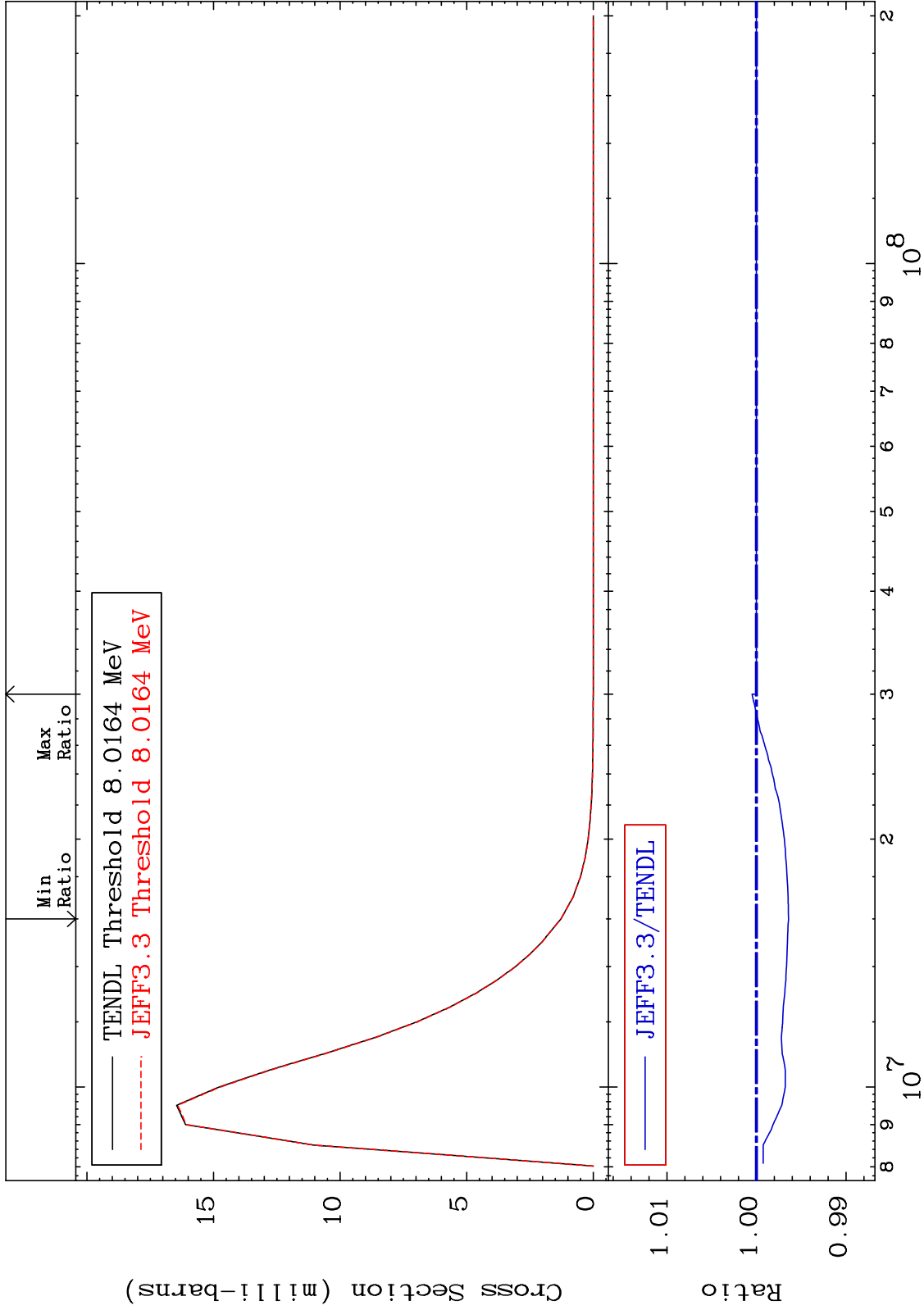
MAT 1031 MT= 76 (n,n') Level Cross Section 10-Ne-22  
 -0.440 To 0.003 %



MAT 1031

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

10-Ne-22  
-0.358 To 0.050 %



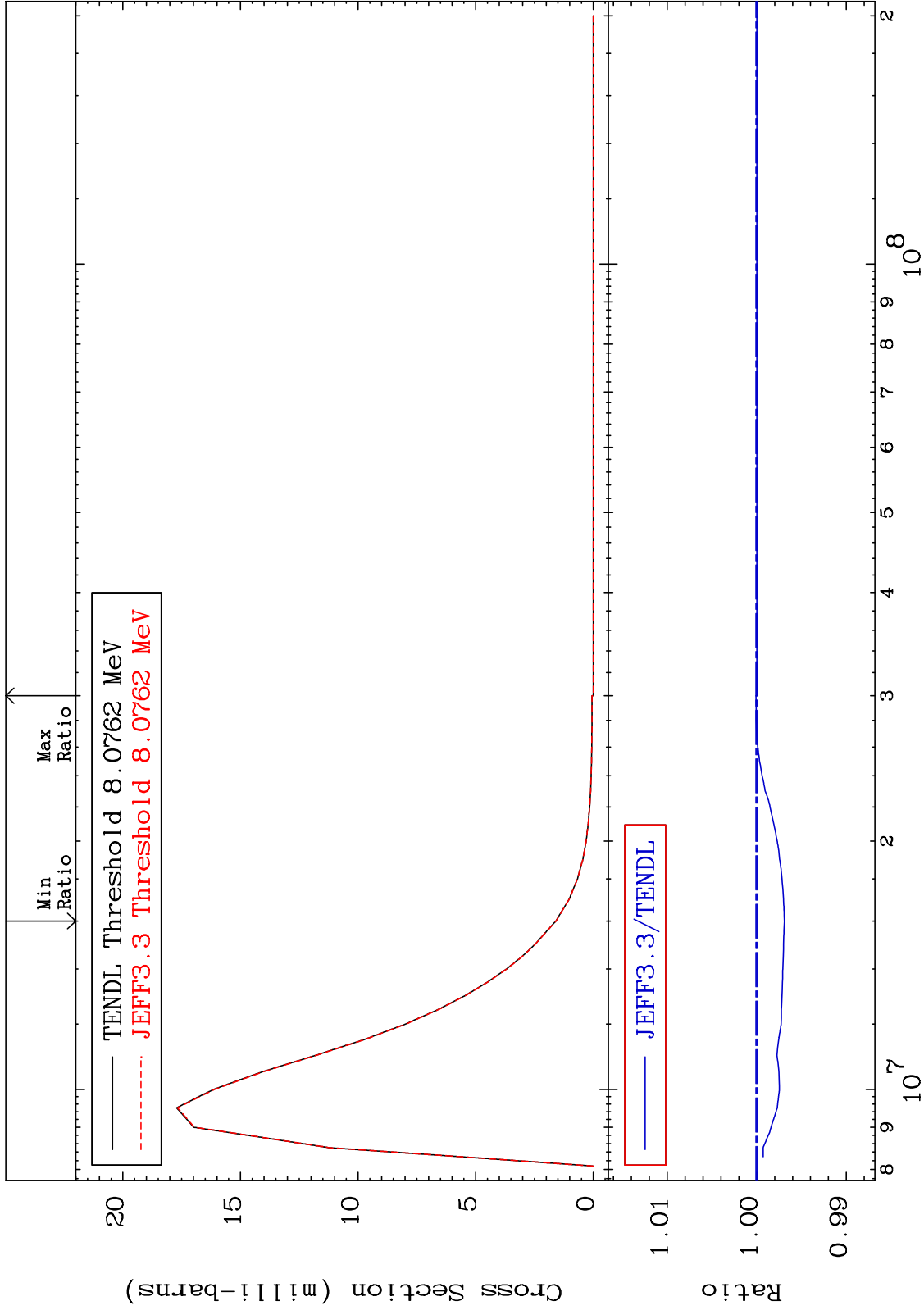
45

10-Ne-22

MAT 1031

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

10-Ne-22  
-0.309 To 0.008 %

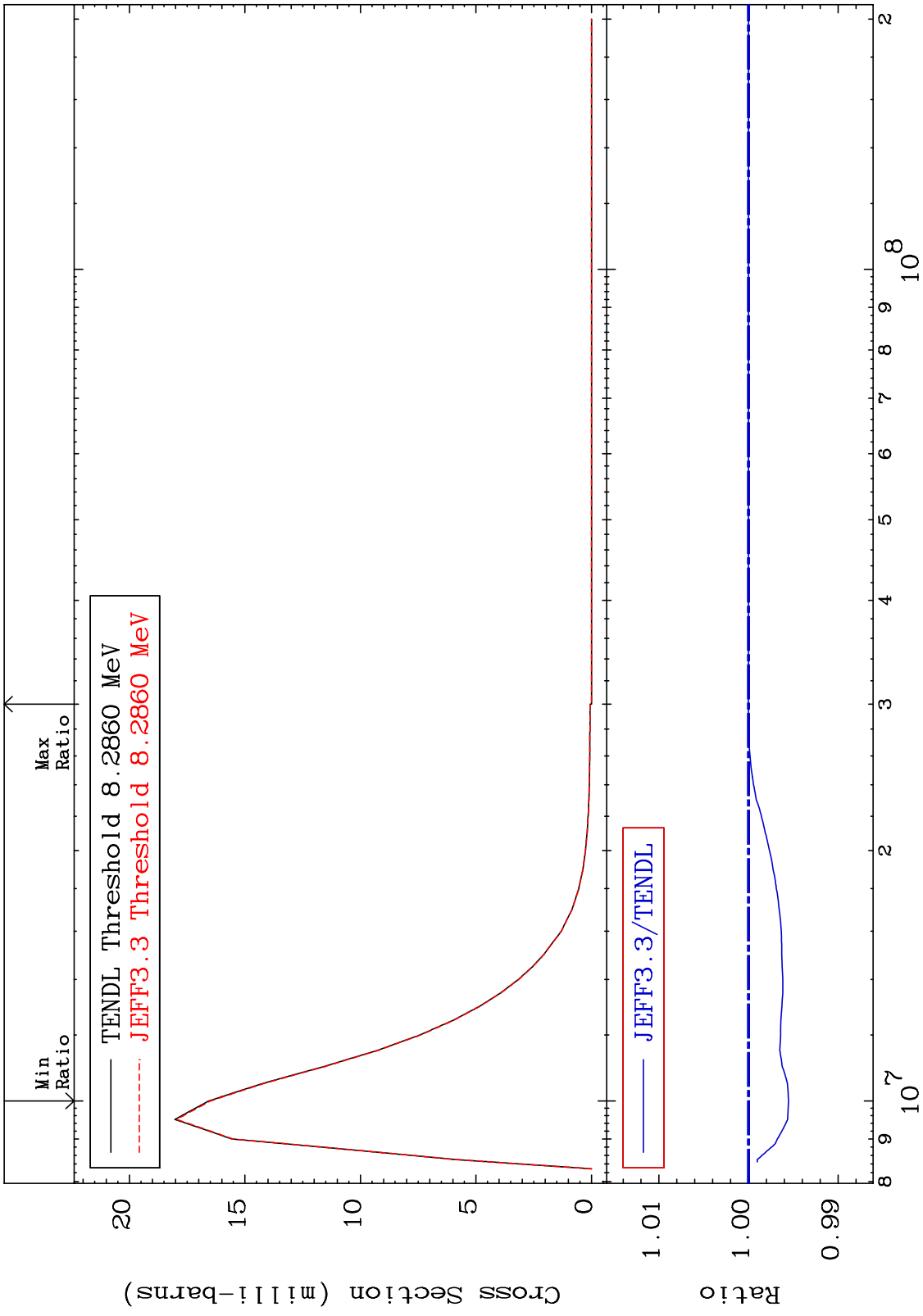


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Incident Energy (eV)

10-Ne-22

MAT 1031 MT= 79 (n,n') Level Cross Section 10-Ne-22  
-0.446 To 0.003 %

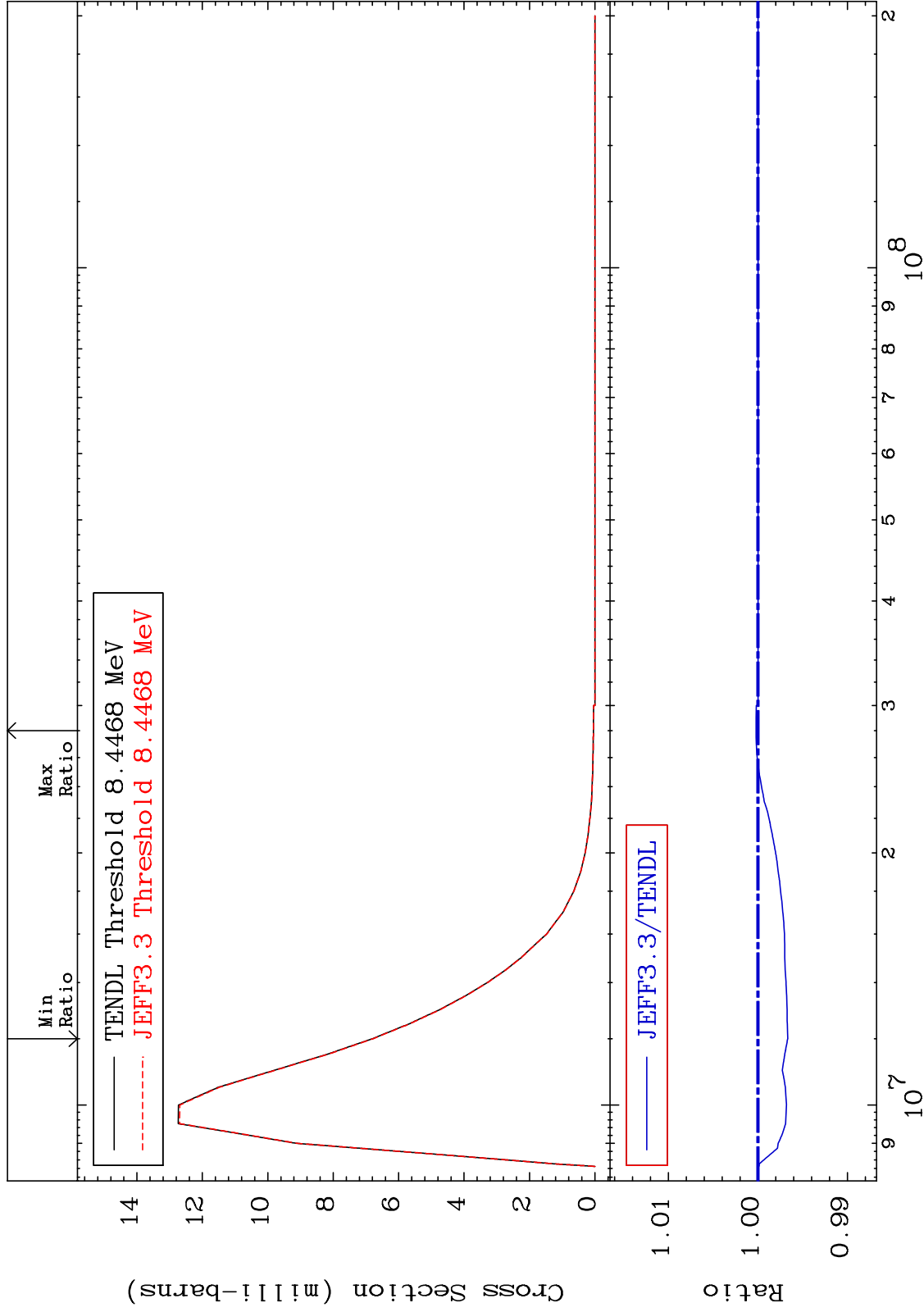




MAT 1031

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

10-Ne-22  
-0.333 To 0.022 %

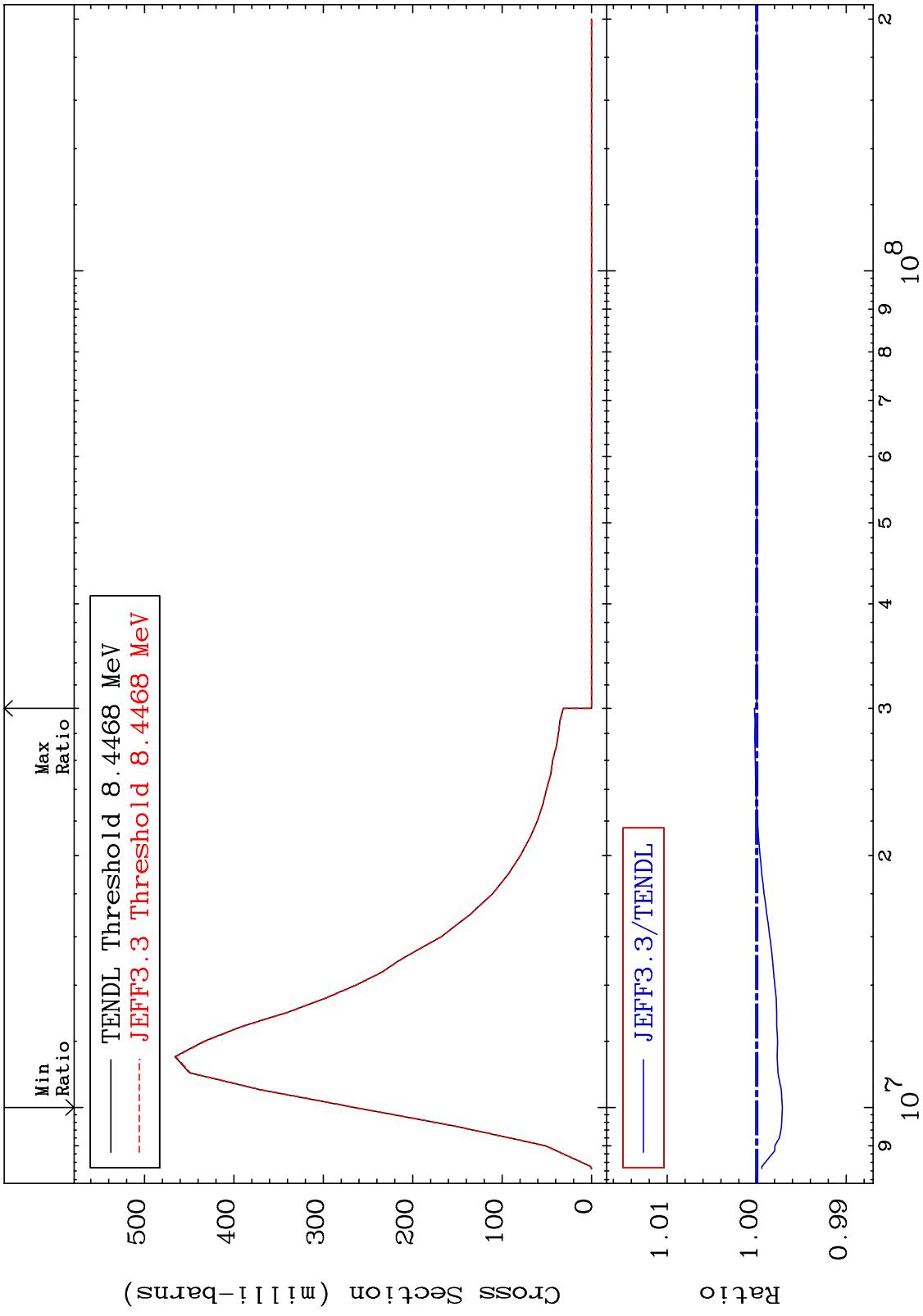


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Incident Energy (eV)

10-Ne-22

MAT 1031 (n,n') Continuum Cross Section 10-Ne-22  
 -0.287 To 0.025 %



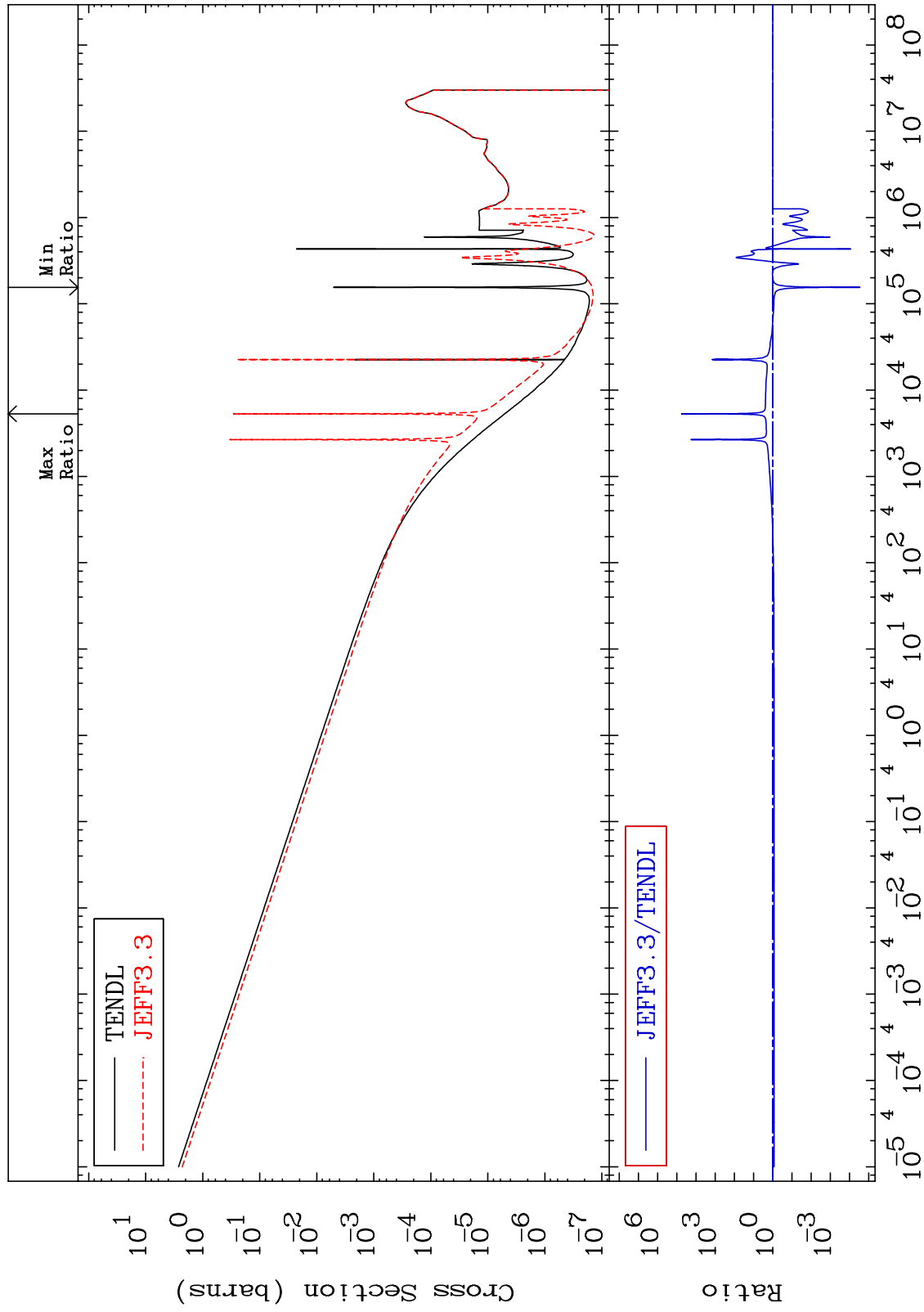
MAT 1031

(n,  $\gamma$ )

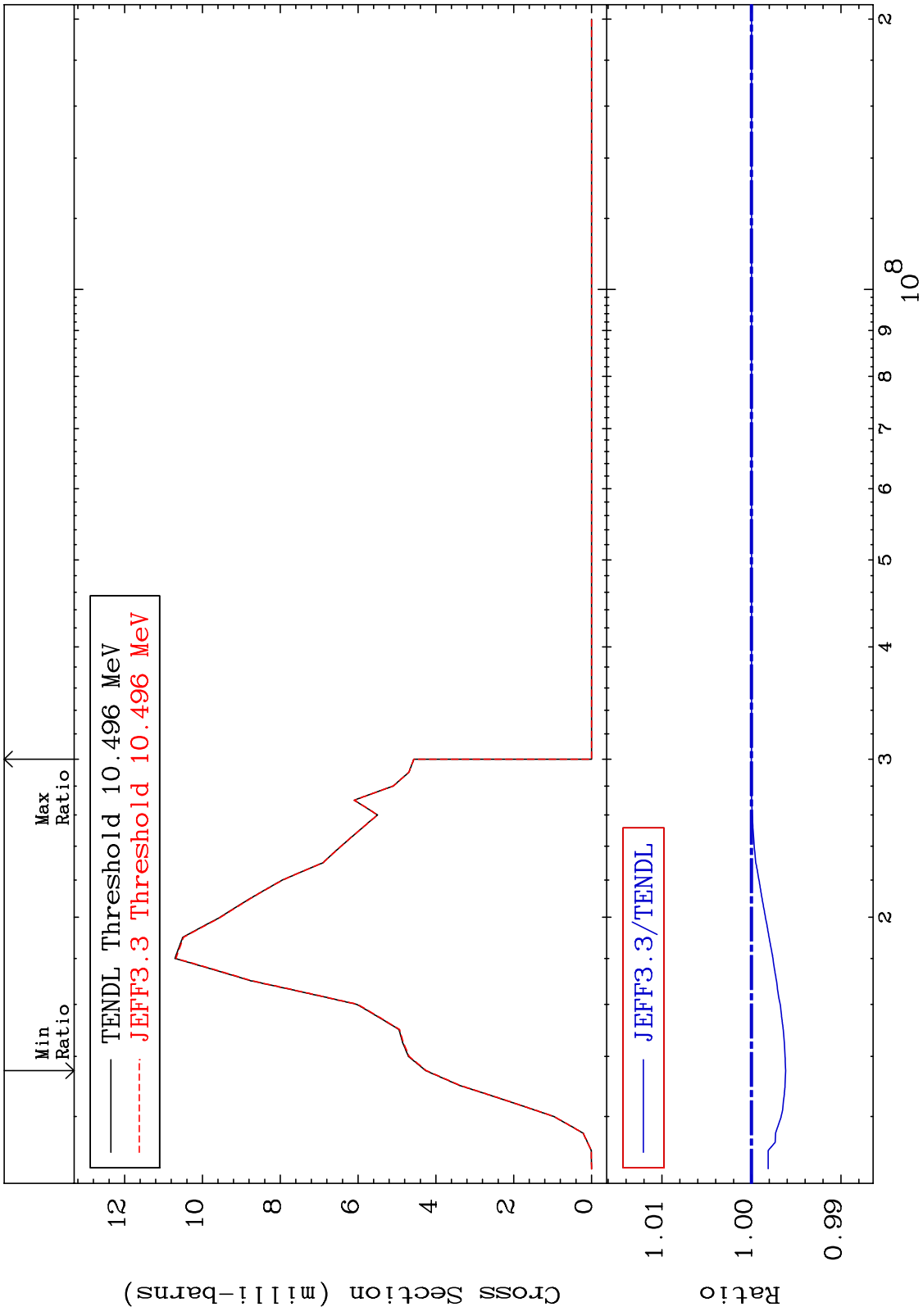
10-Ne-22

Cross Section

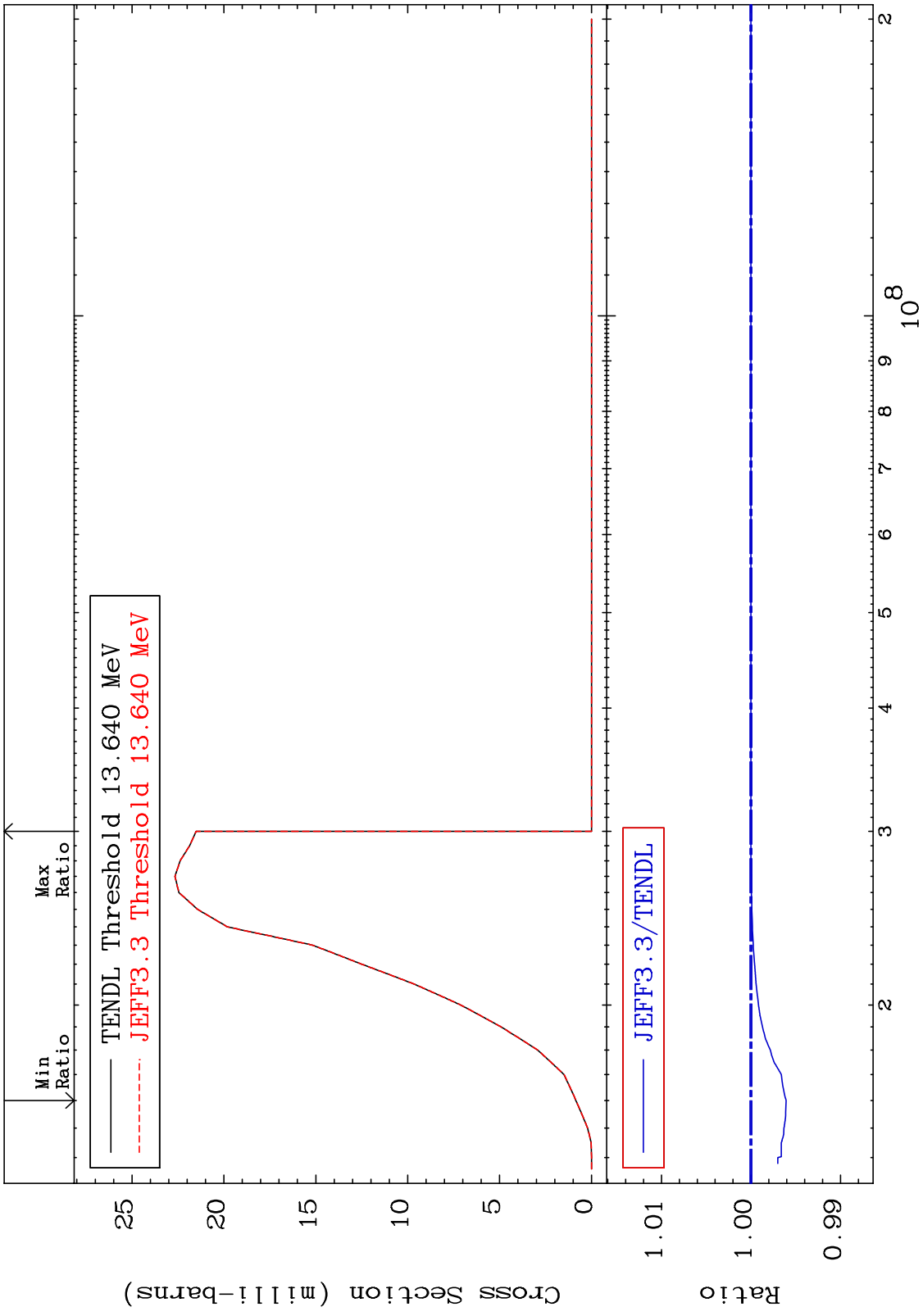
-100.0 To 9999. %



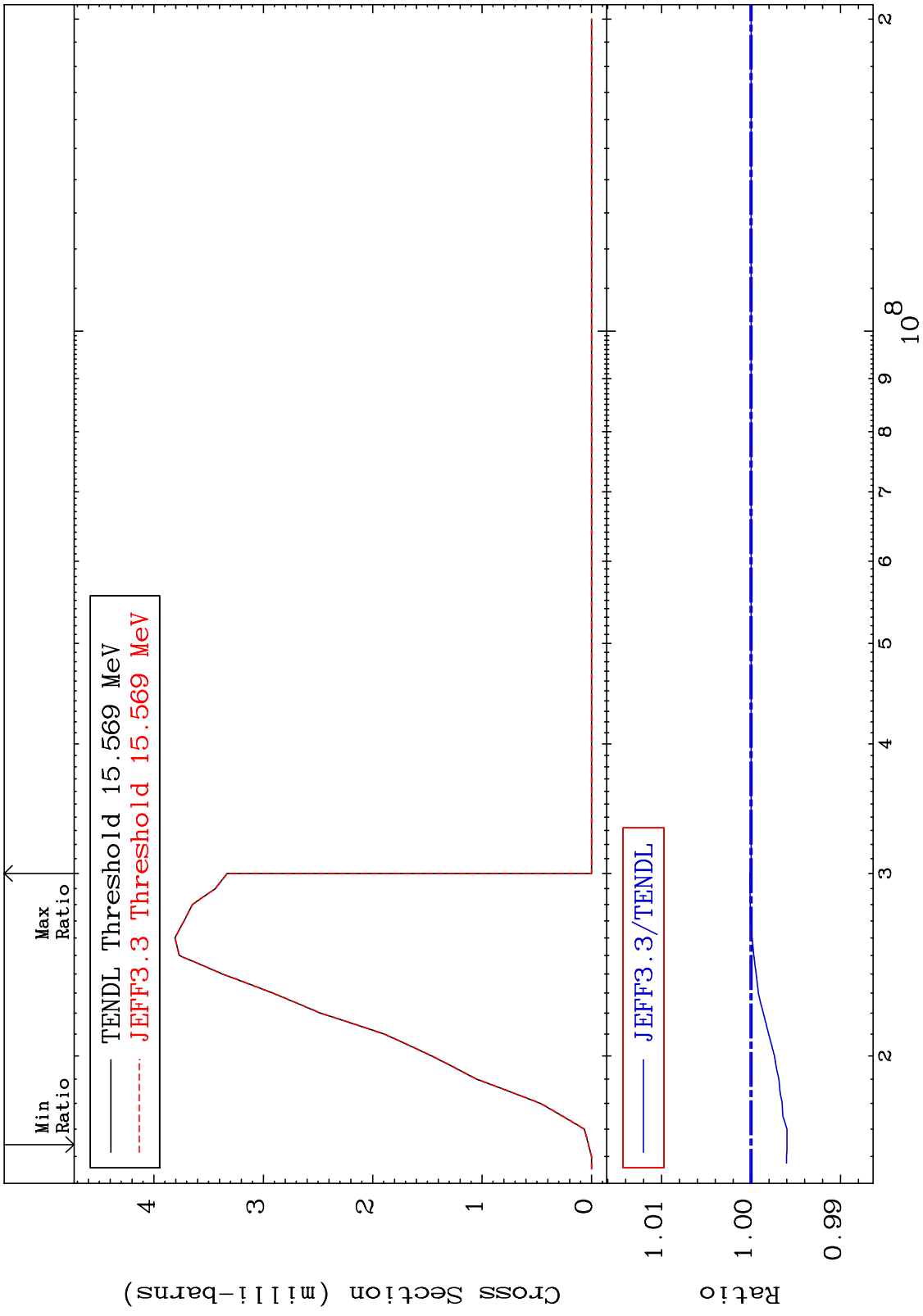
MAT 1031 (n,p) Cross Section 10-Ne-22 -0.381 To 0.002 %

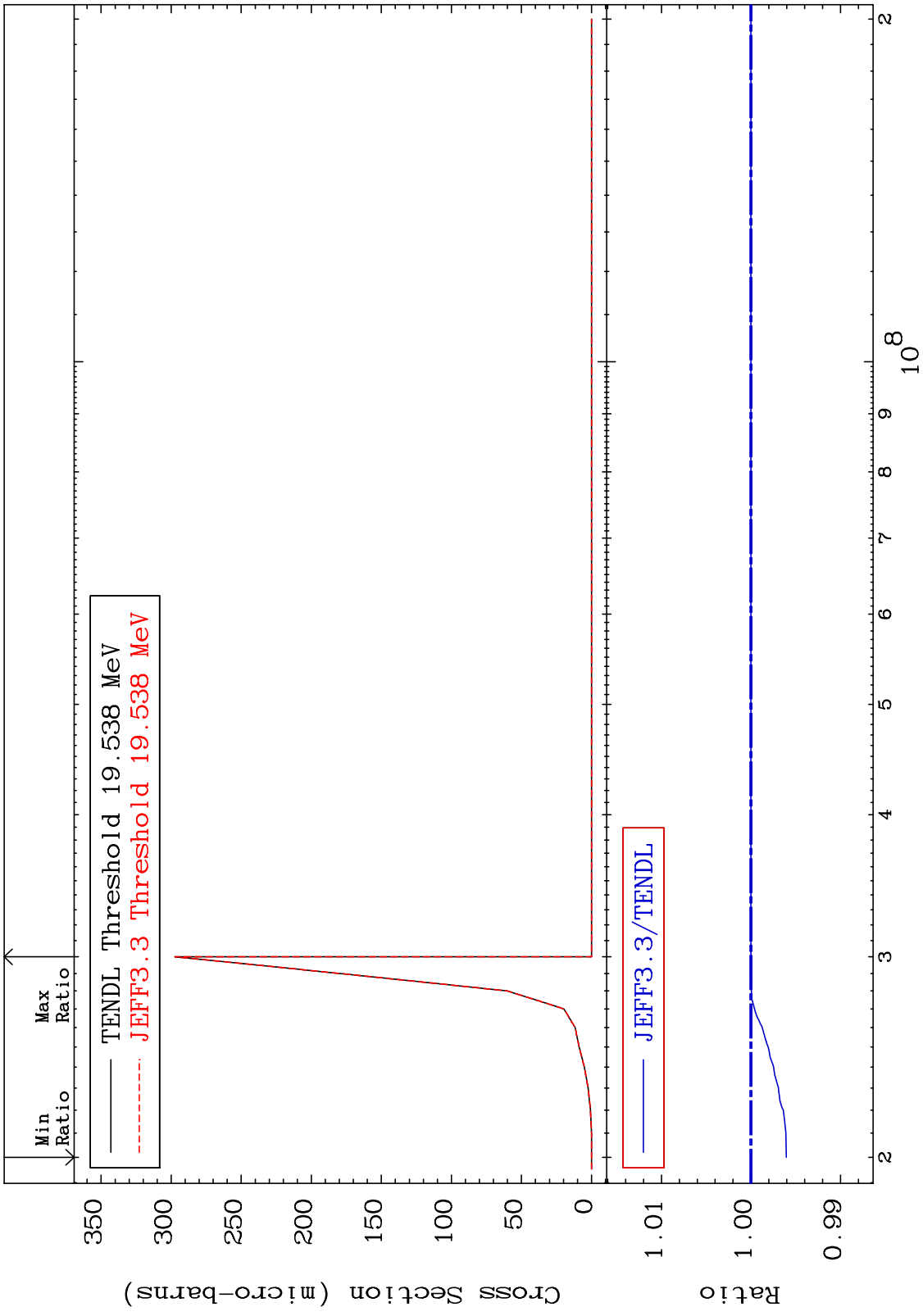


MAT 1031 (n,d) 10-Ne-22  
 Cross Section -0.392 To 0.002 %

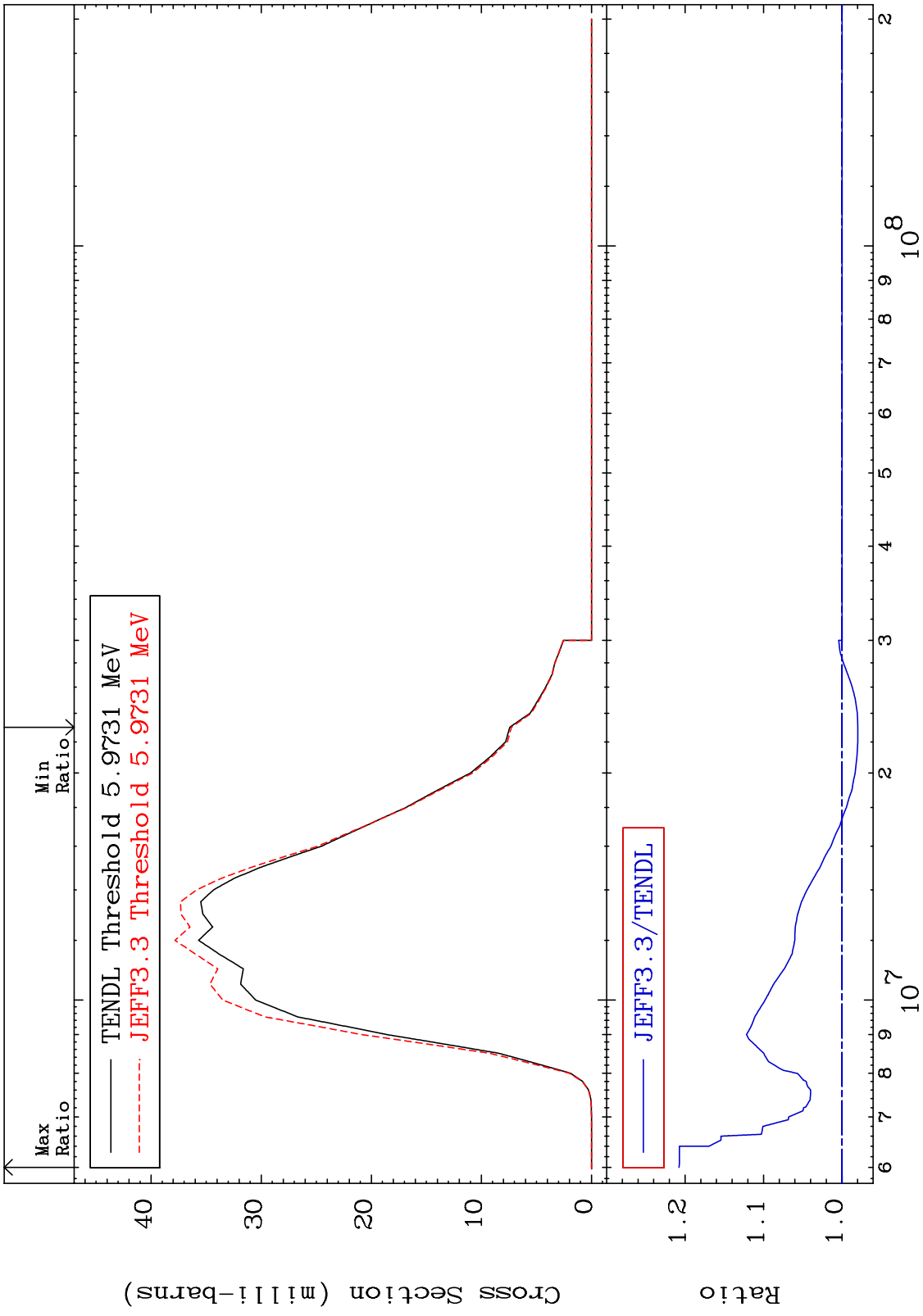


MAT 1031 (n,t) 10-Ne-22  
 Cross Section -0.402 To 0.013 %

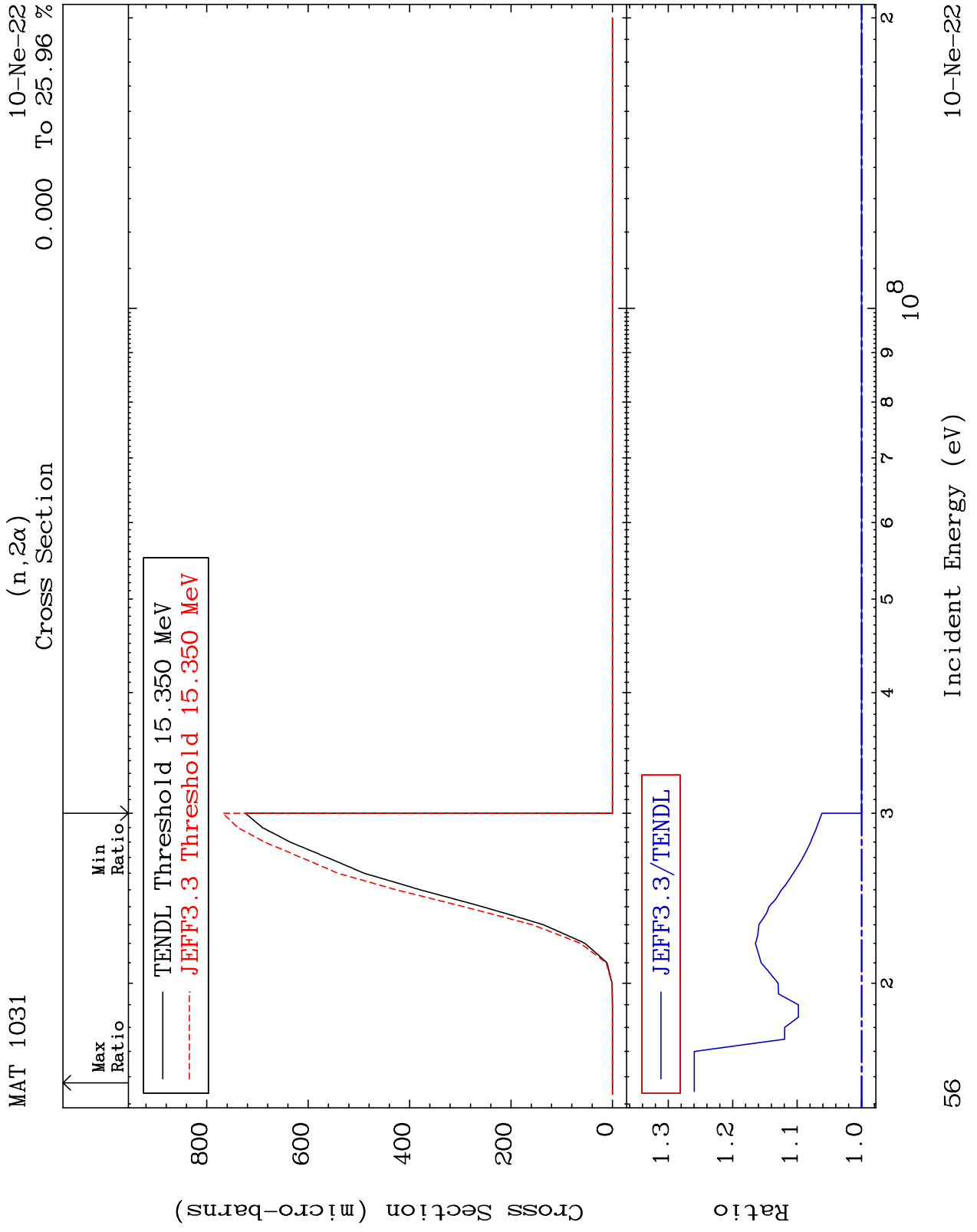




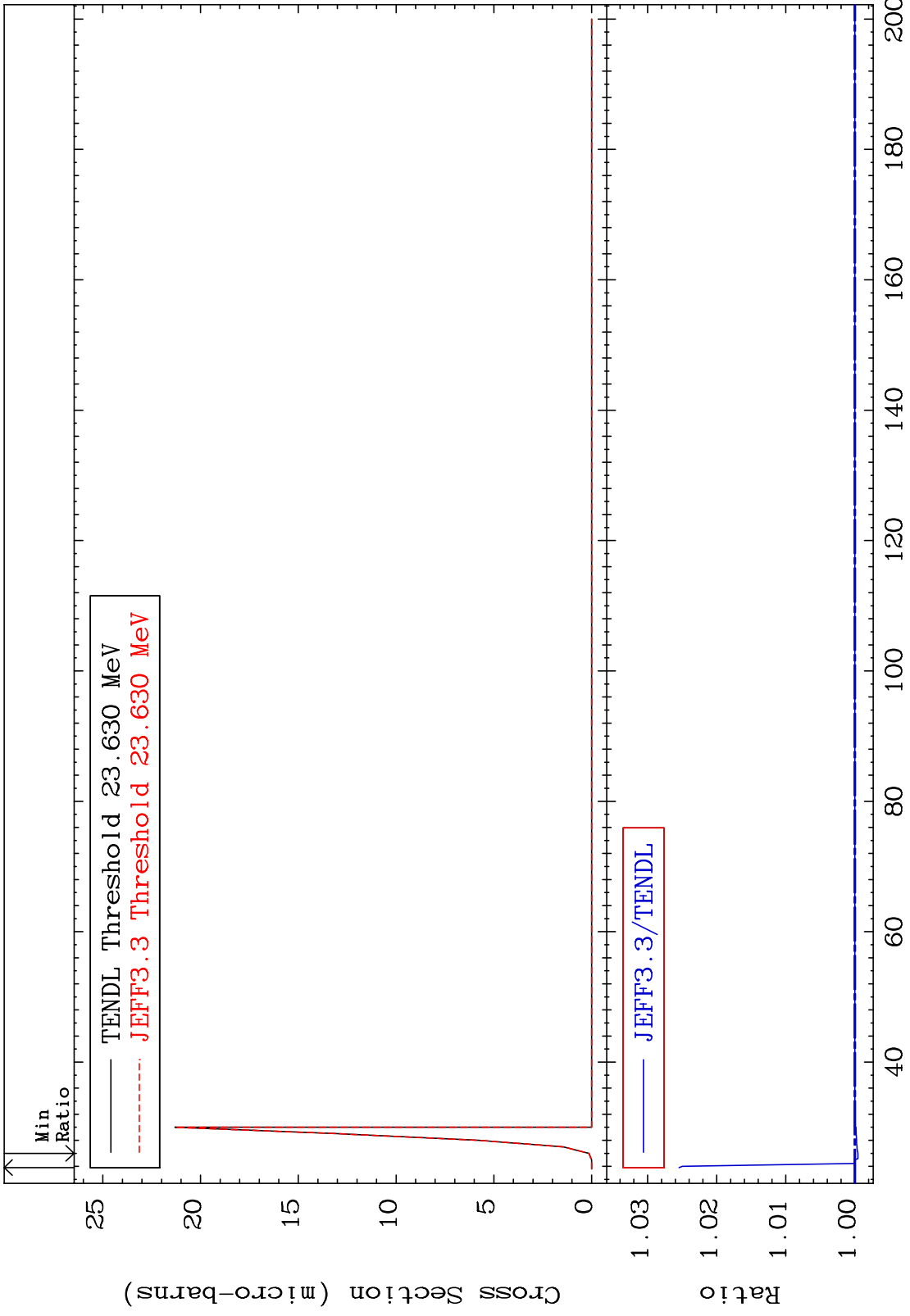
MAT 1031  $^{10}\text{-Ne-22}$   $(n, \alpha)$  Cross Section -2.023 To 20.77 %

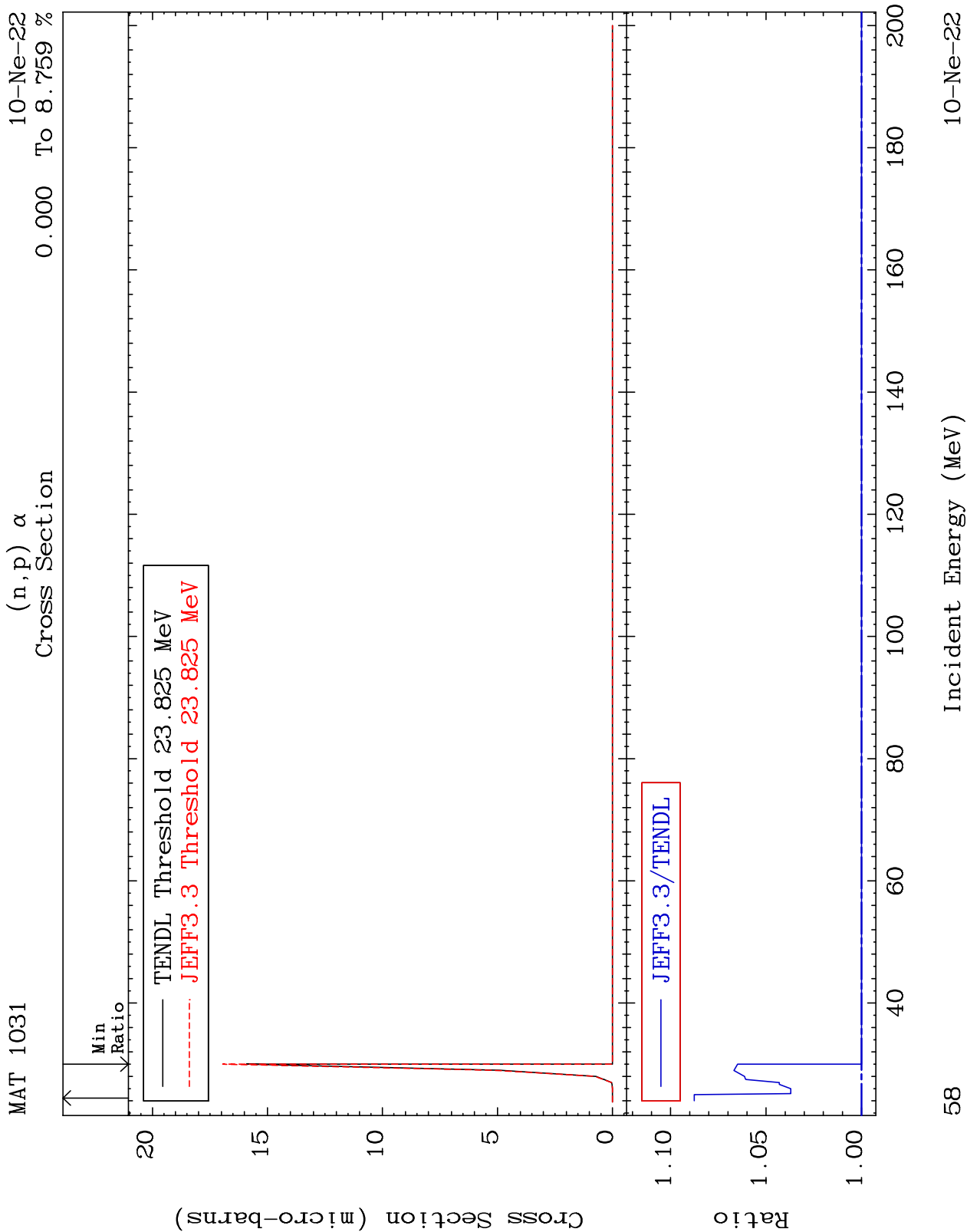




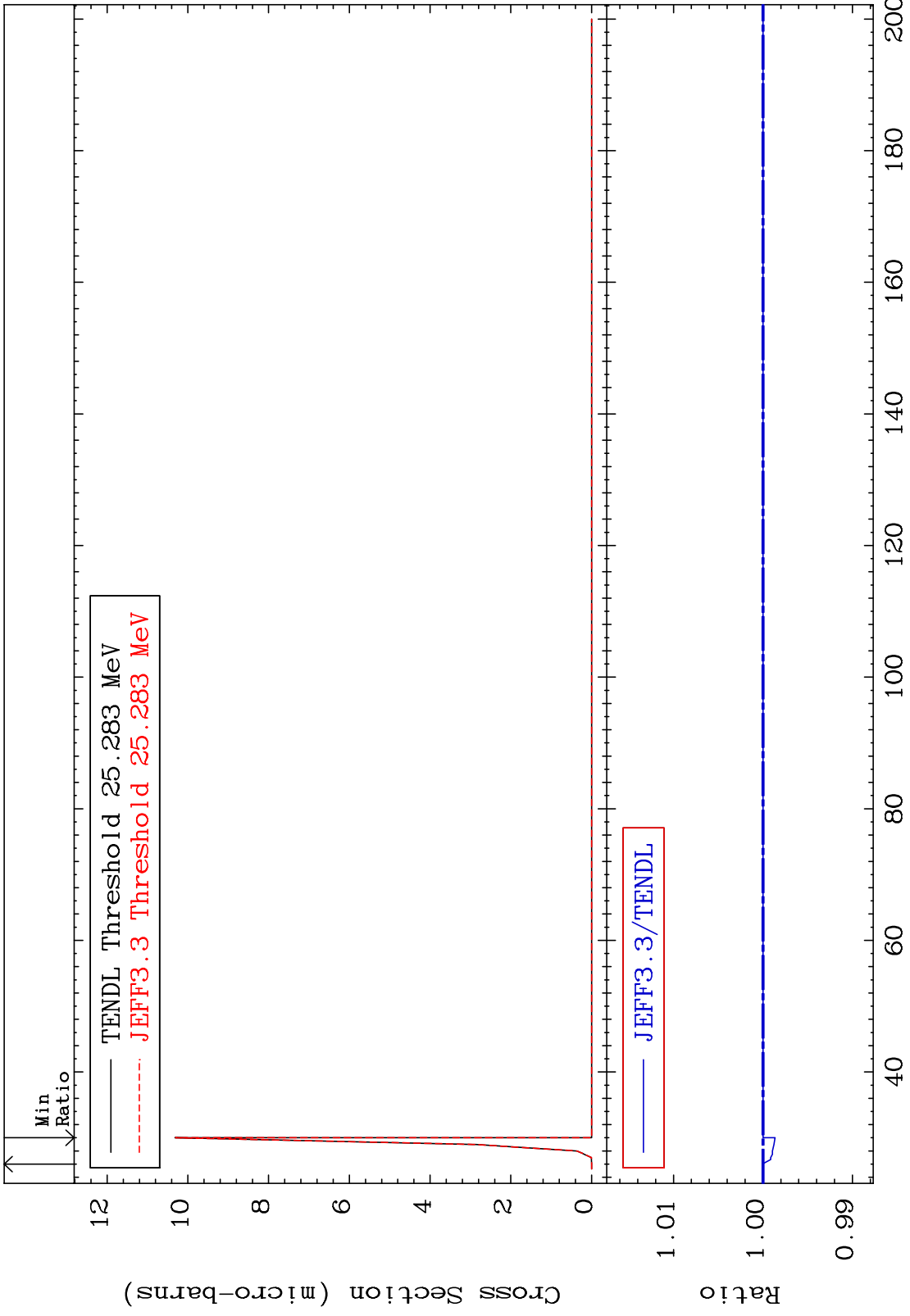


MAT 1031 (n,2p) Cross Section 10-Ne-22  
 -0.044 To 2.545 %

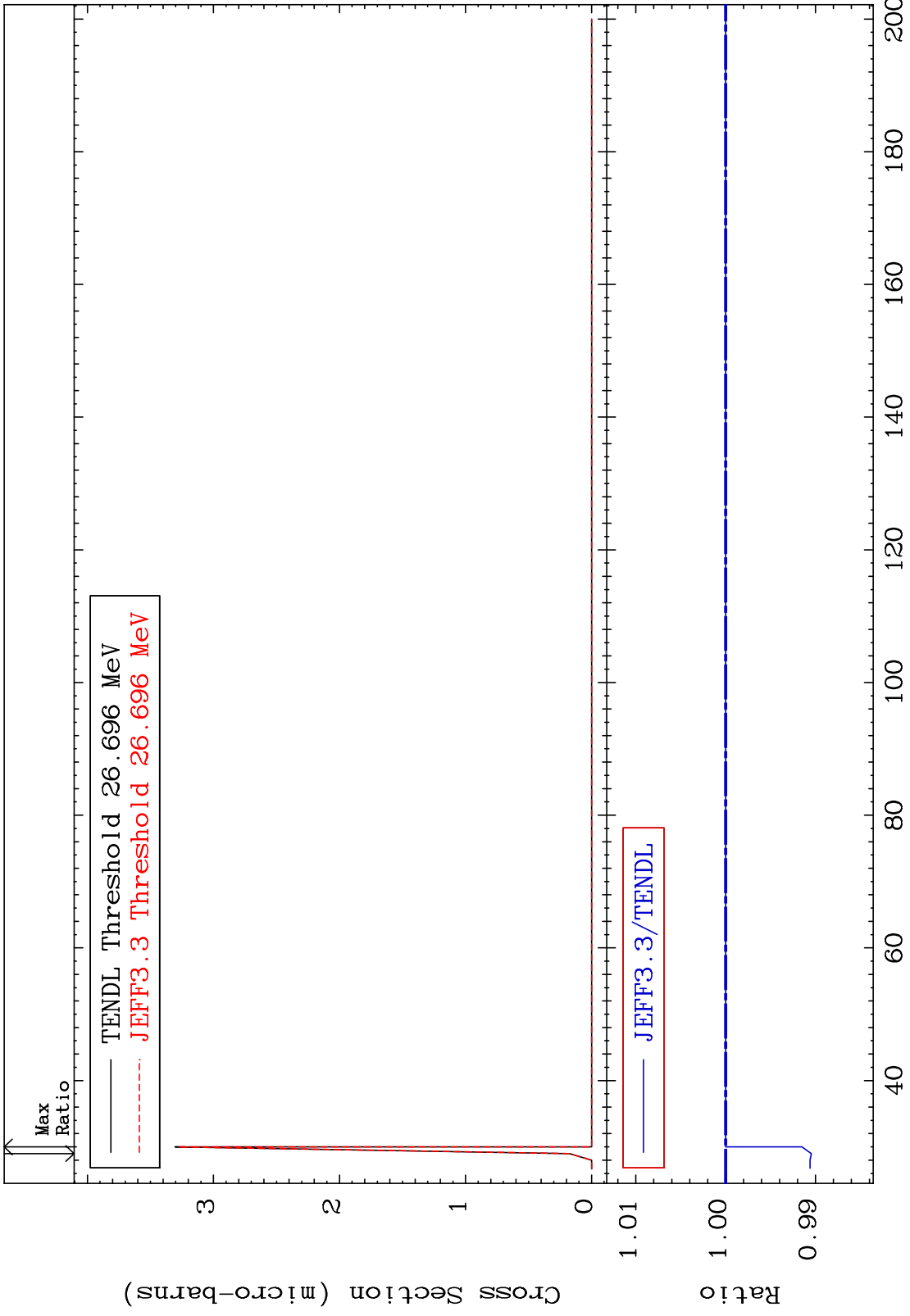




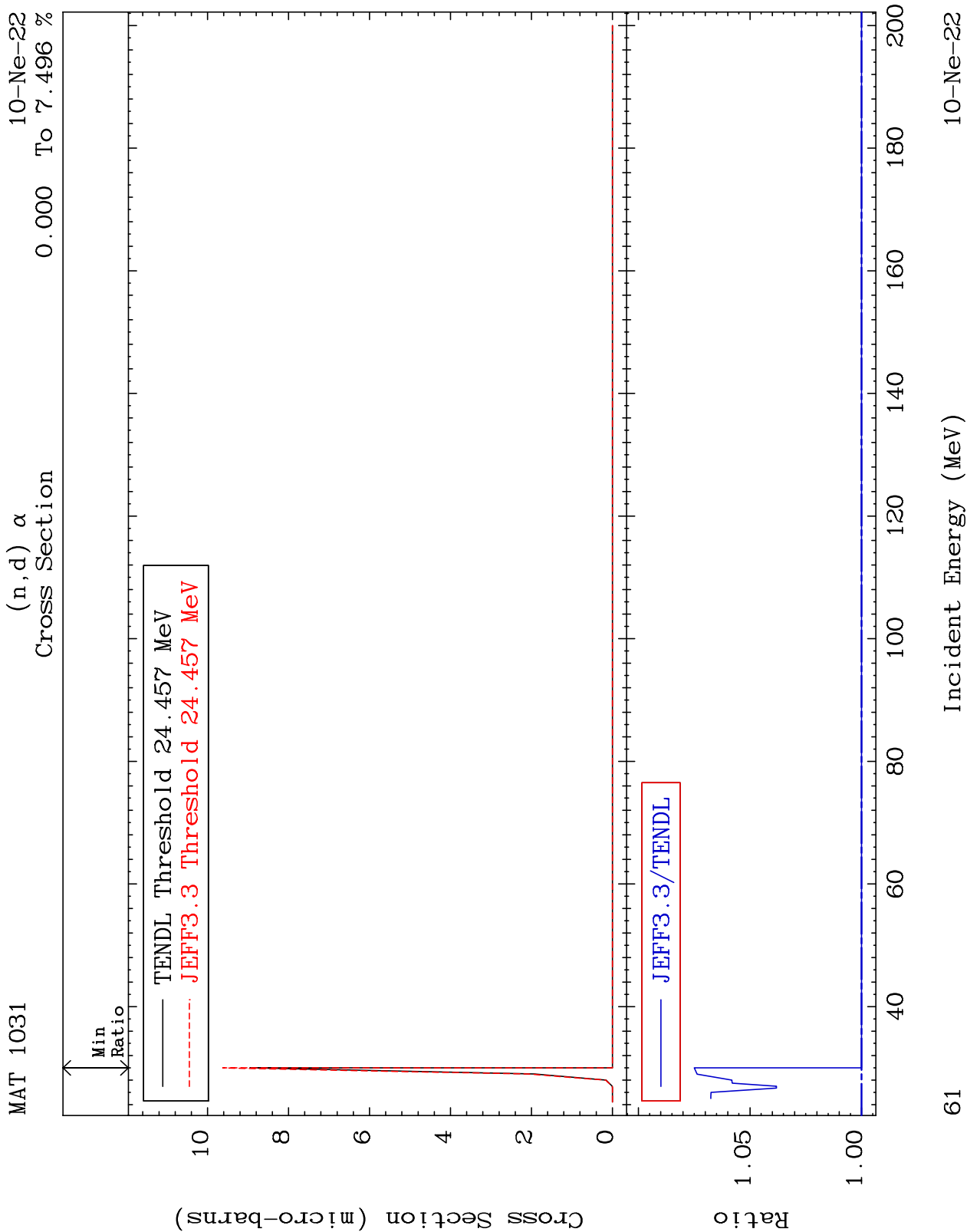
MAT 1031 (n,p) d 10-Ne-22  
 Cross Section -0.135 To 0.010 %



MAT 1031 (n,p) t 10-Ne-22  
Cross Section -0.955 To 0.000 %



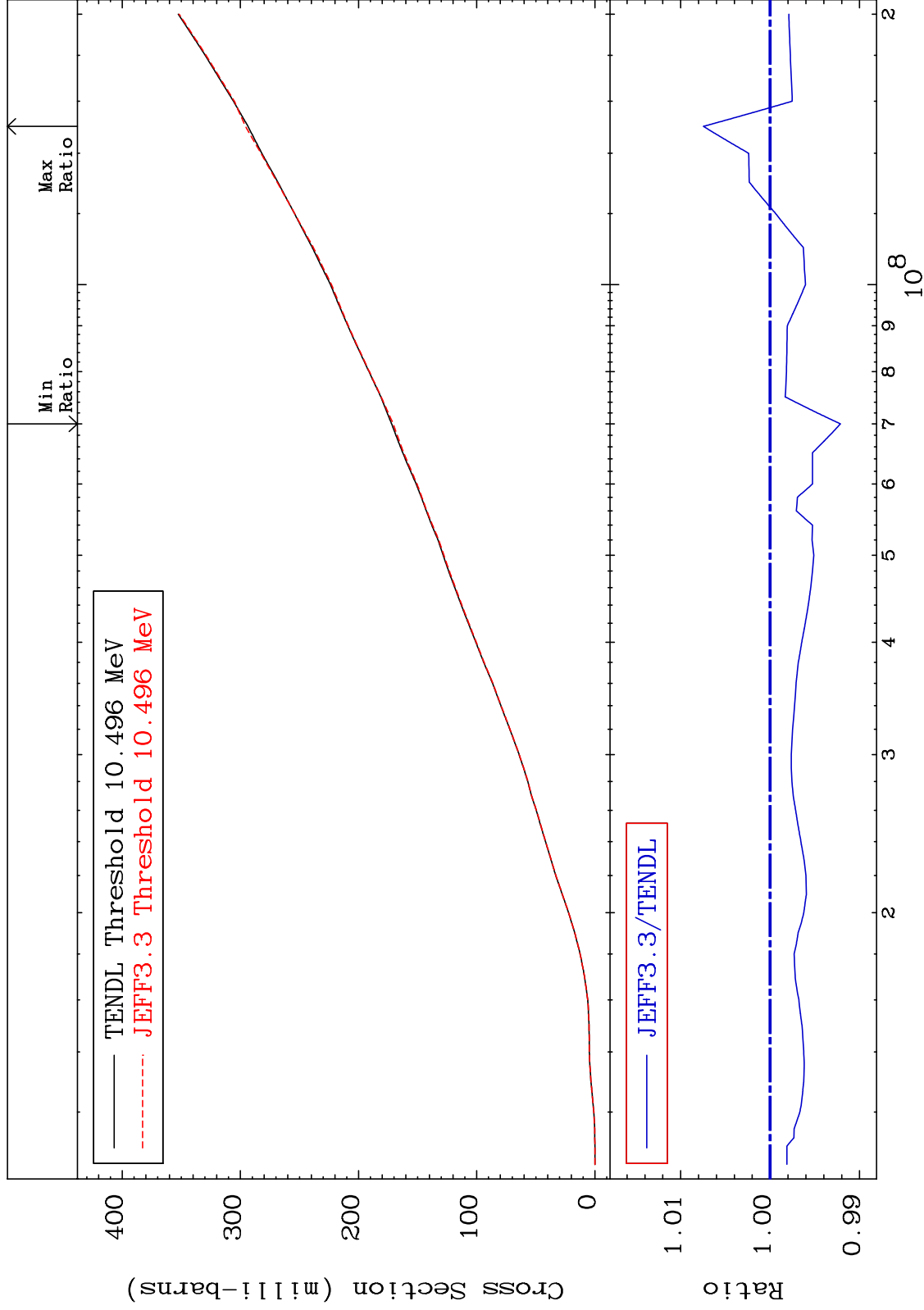
60 Incident Energy (MeV) 10-Ne-22

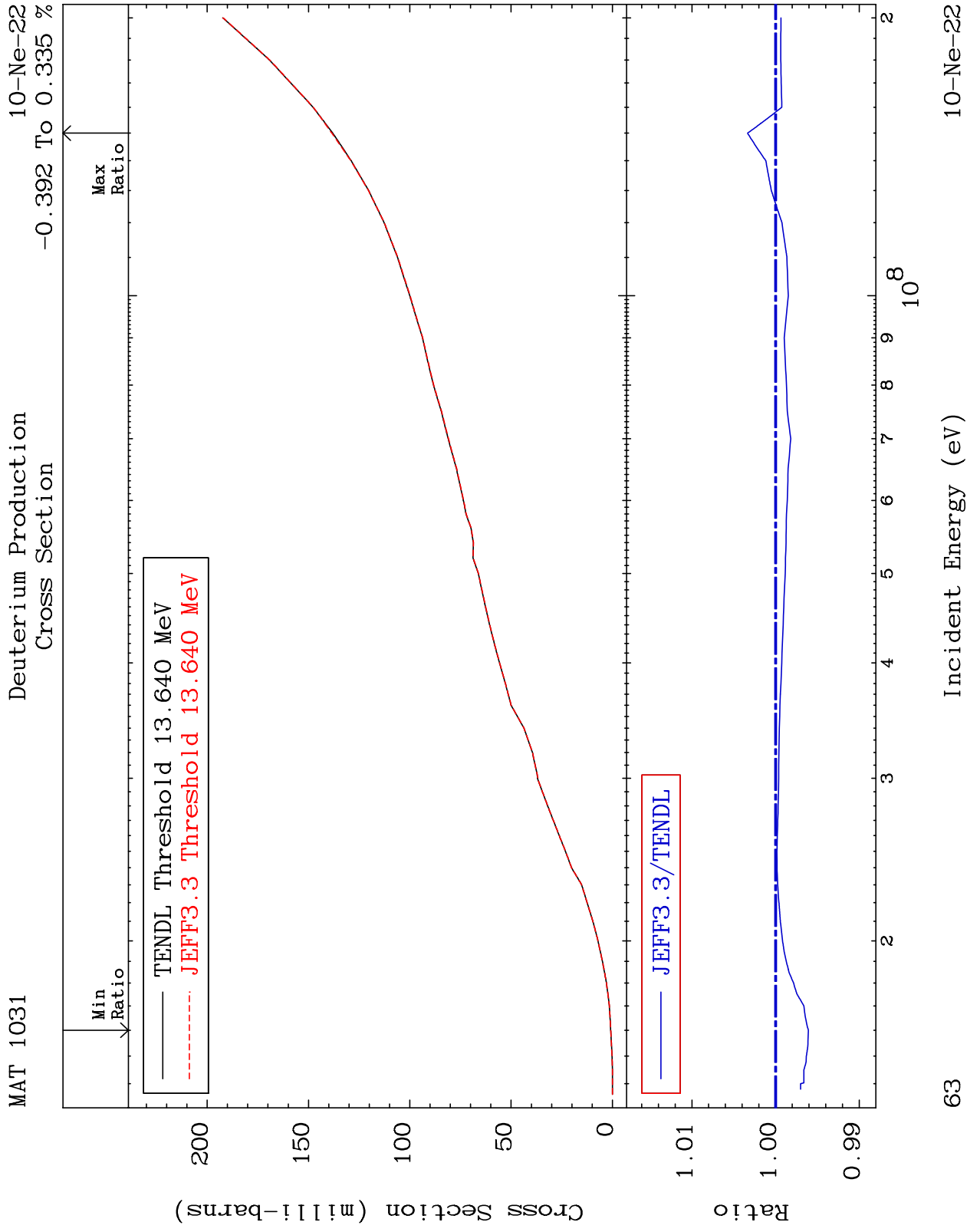


MAT 1031

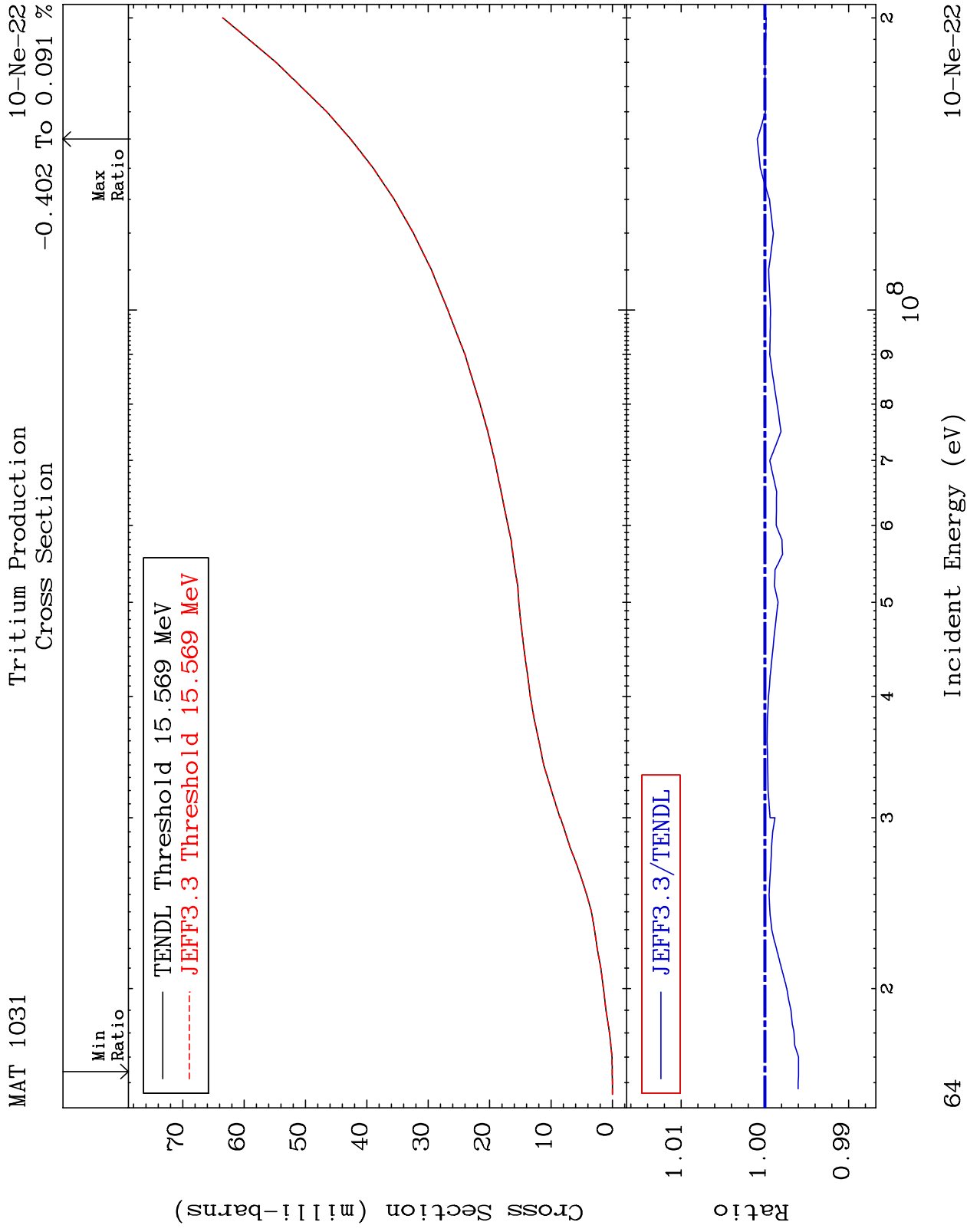
Hydrogen Production  
Cross Section

10-Ne-22  
-0.786 To 0.747 %





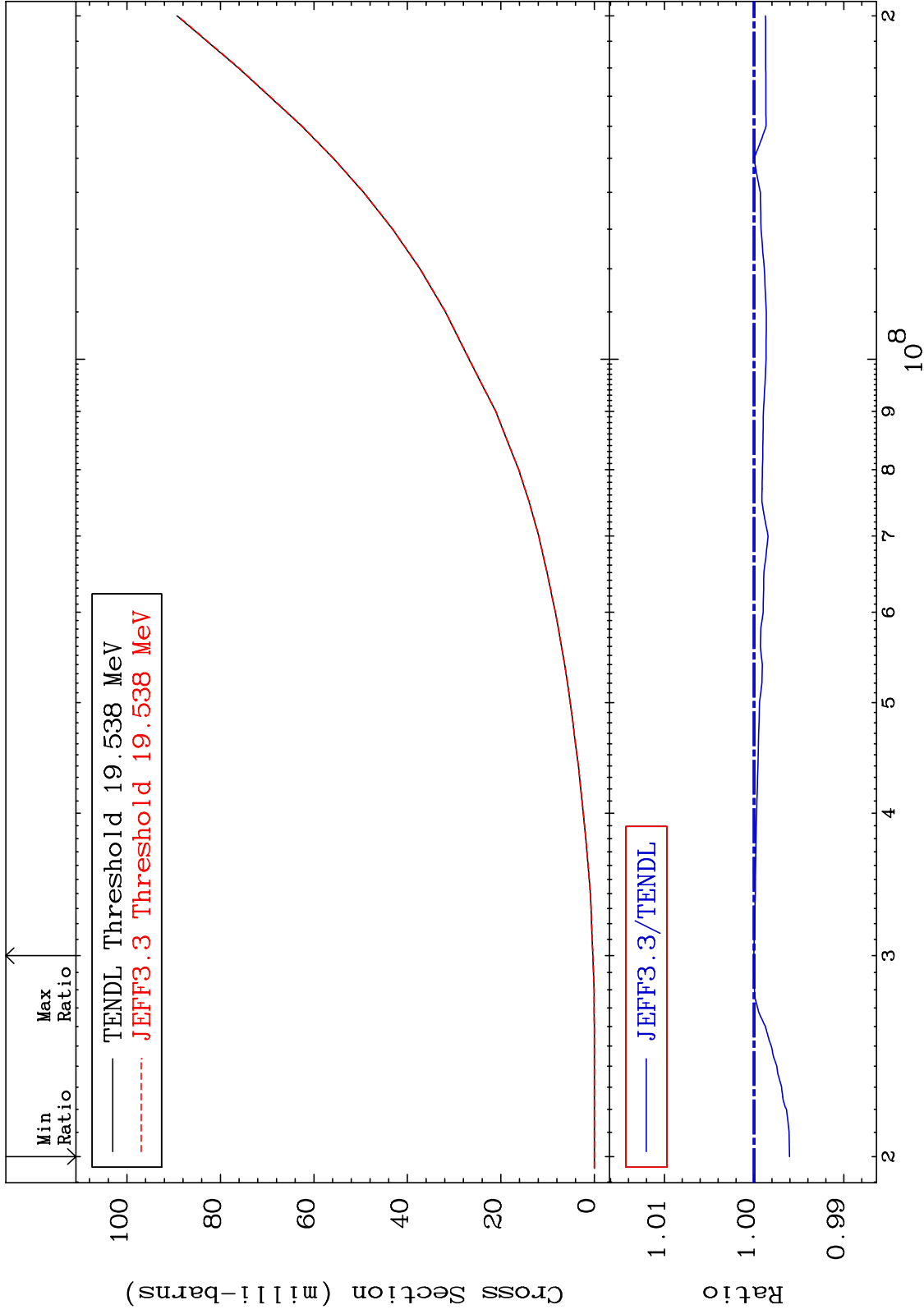




MAT 1031

He-3 Production  
Cross Section

10-Ne-22  
-0.394 To 0.004 %

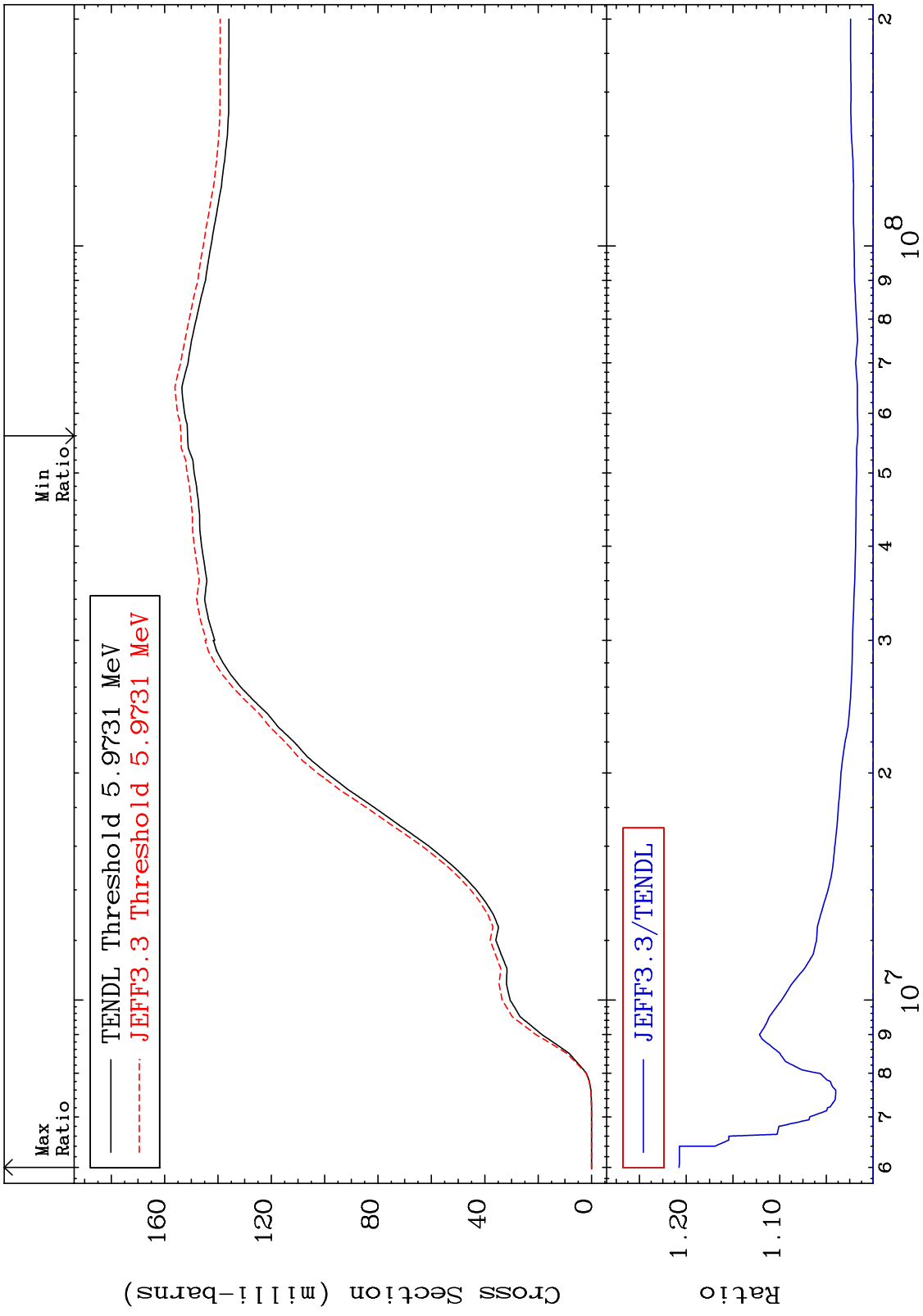


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Incident Energy (eV)

10-Ne-22

MAT 1031 He-4 Production Cross Section 10-Ne-22 To 20.77 %  
1.633

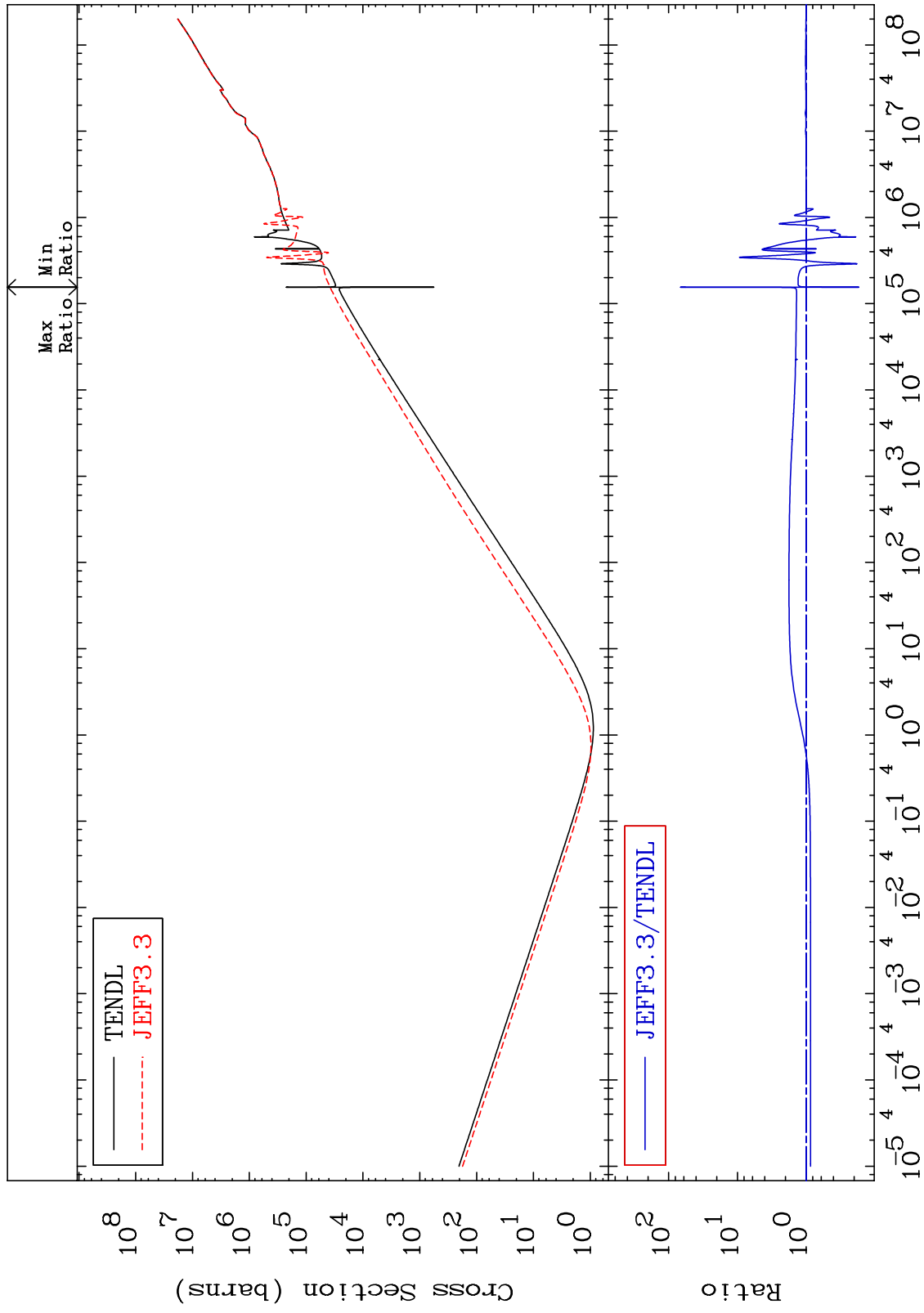


66 10-Ne-22 Incident Energy (eV)

MAT 1031

Kerma total (eV-barns)  
Cross Section

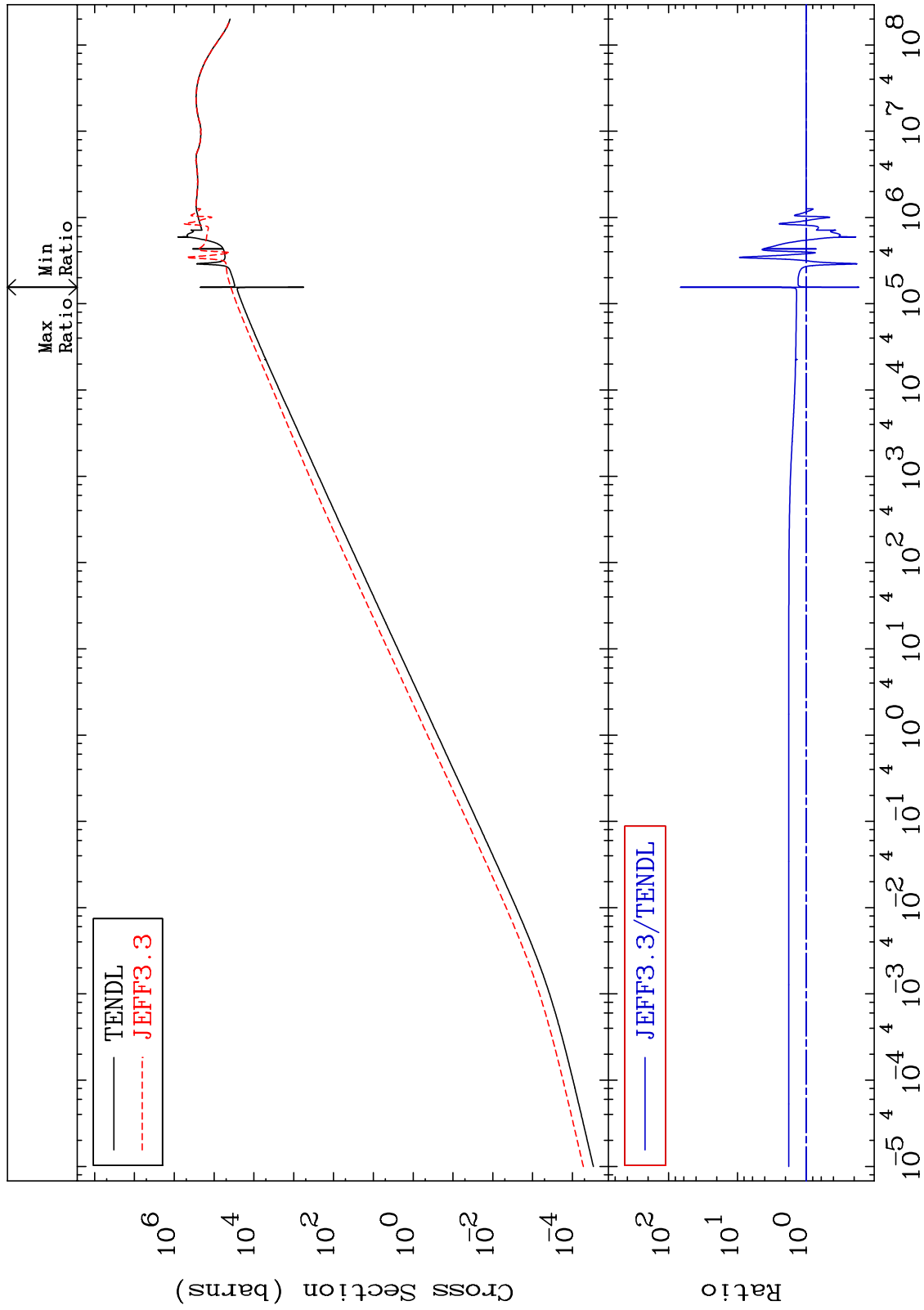
10-Ne-22  
-83.02 To 6598. %



MAT 1031

Kerma elastic  
Cross Section

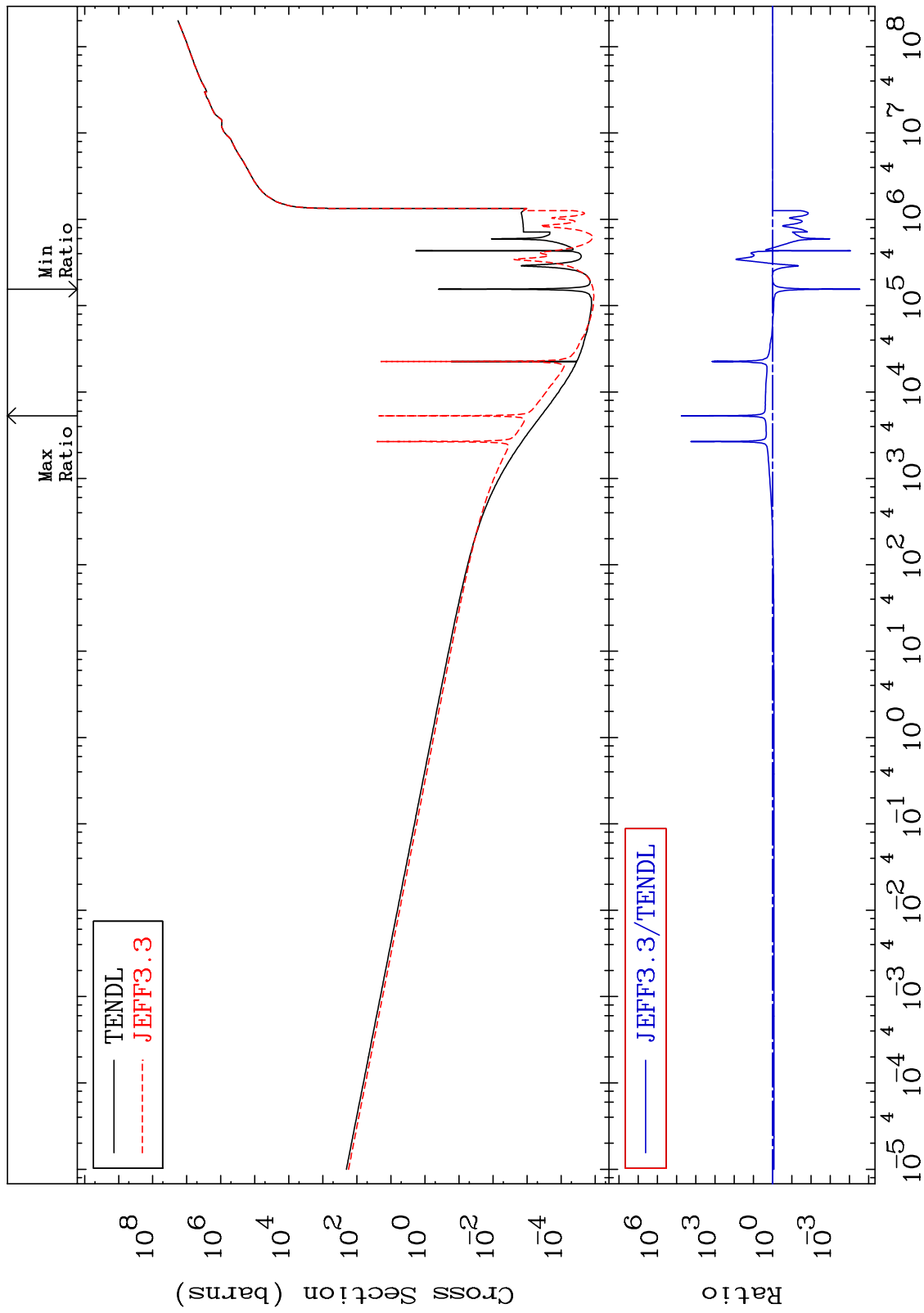
10-Ne-22  
-83.02 To 6598. %



MAT 1031

Kerma non-elastic (all but mt2)

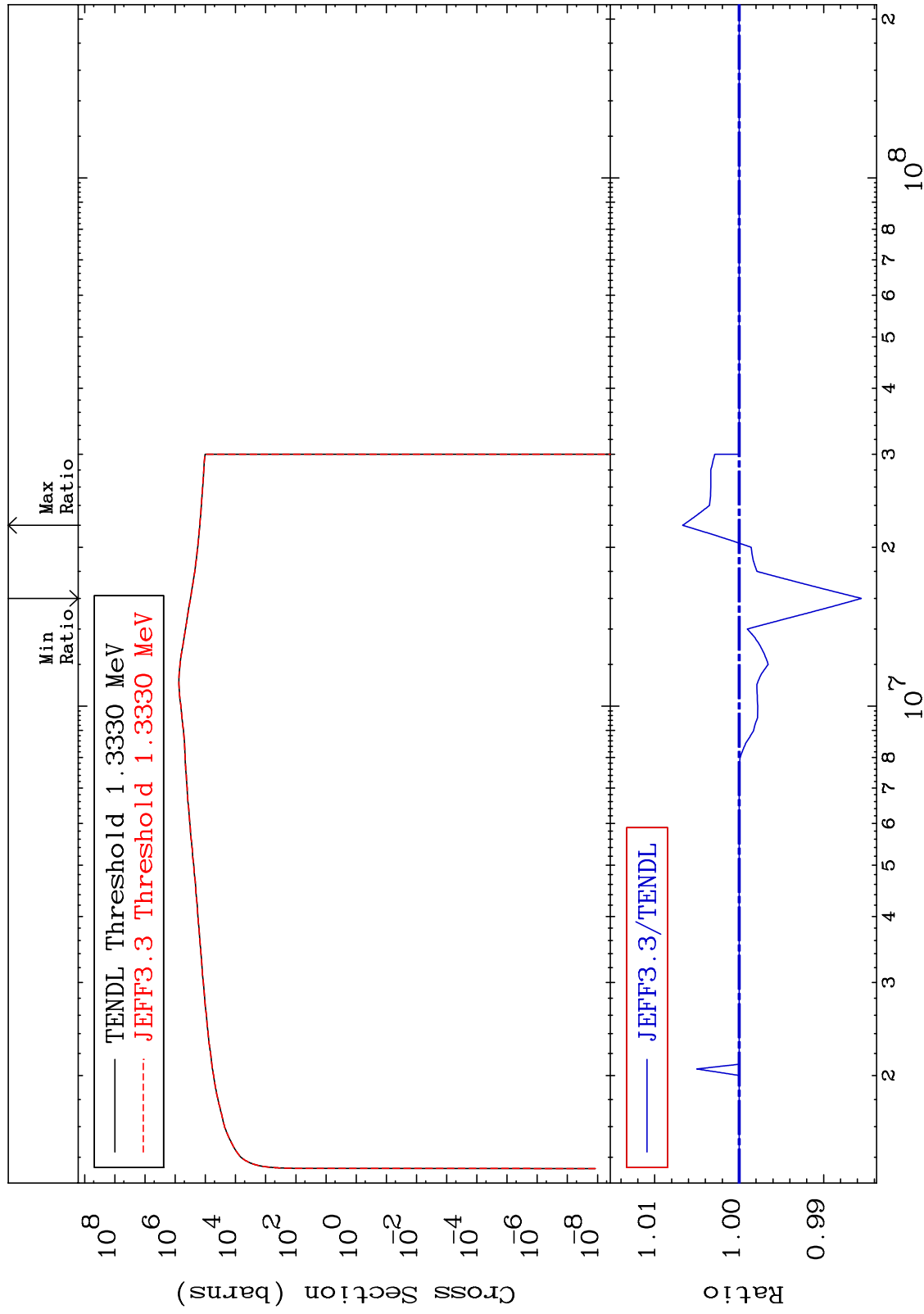
10-Ne-22  
-100.0 To 9999. %



MAT 1031

Kerma inelastic (mt51-91)  
Cross Section

10-Ne-22  
-1.446 To 0.669 %



70

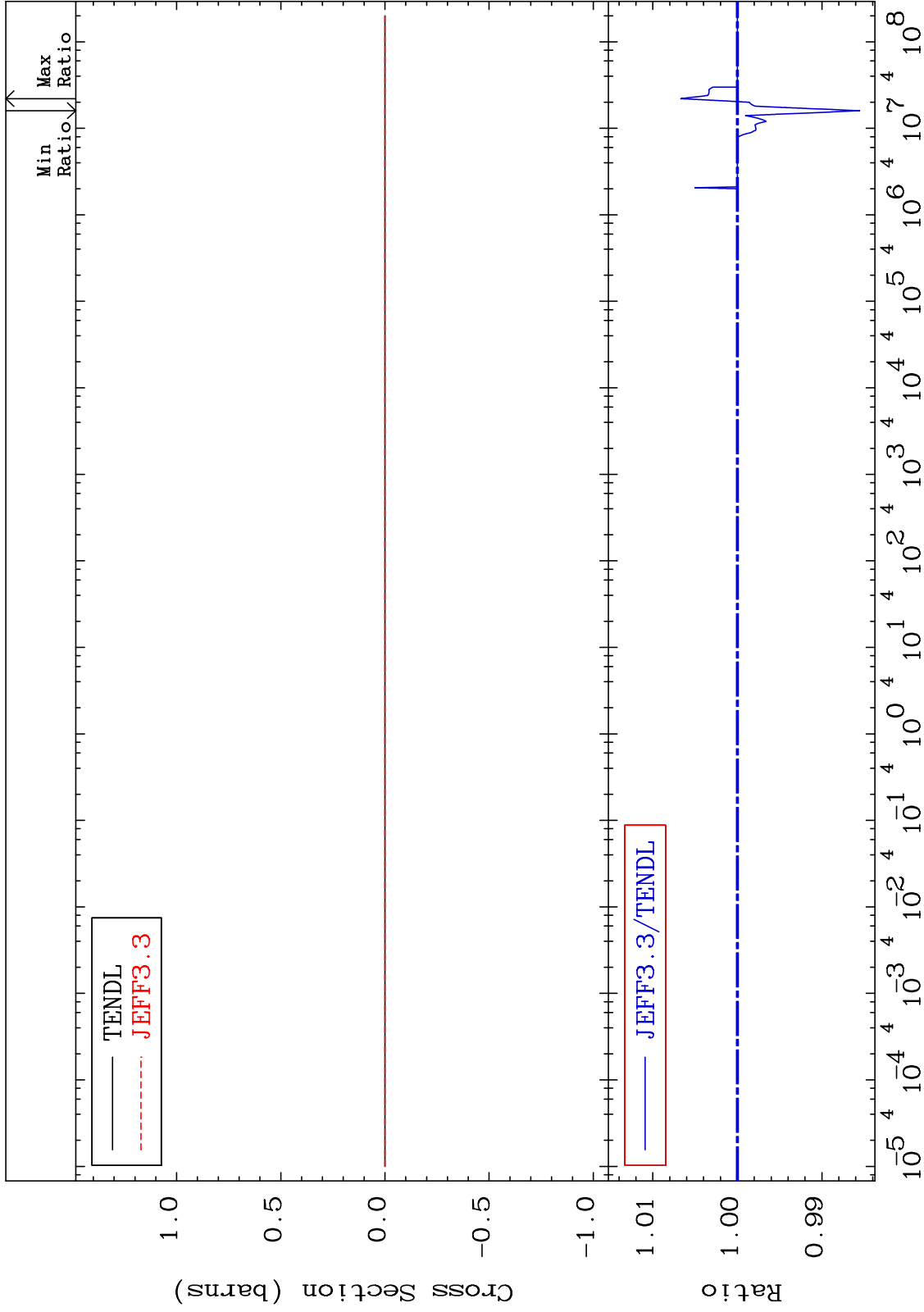
Incident Energy (eV)

10-Ne-22

MAT 1031

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

10-Ne-22  
-1.446 To 0.669 %



71

Incident Energy (eV)

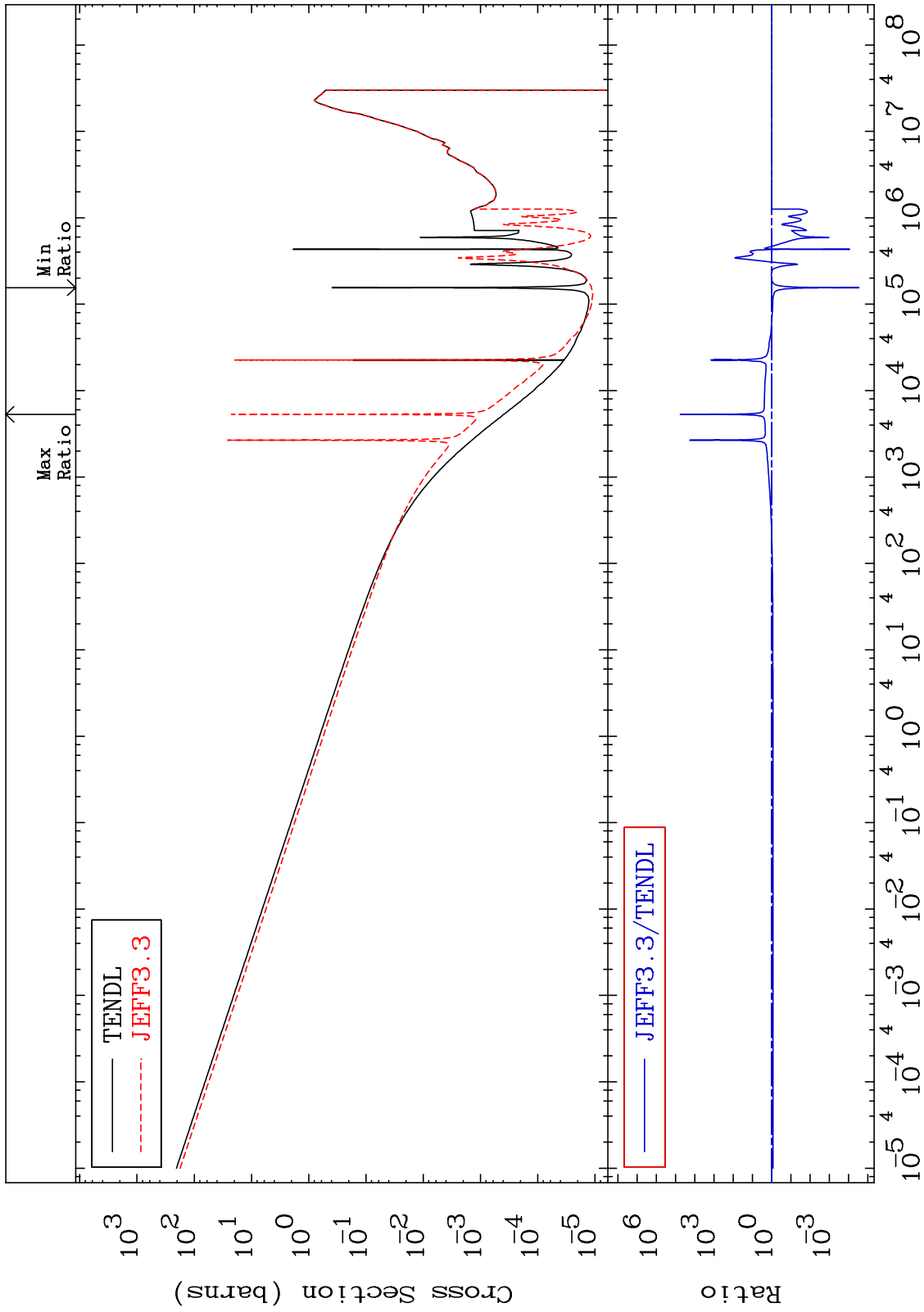
10-Ne-22



MAT 1031

Kerma capture (mt102)  
Cross Section

10-Ne-22  
-100.0 To 9999. %



72

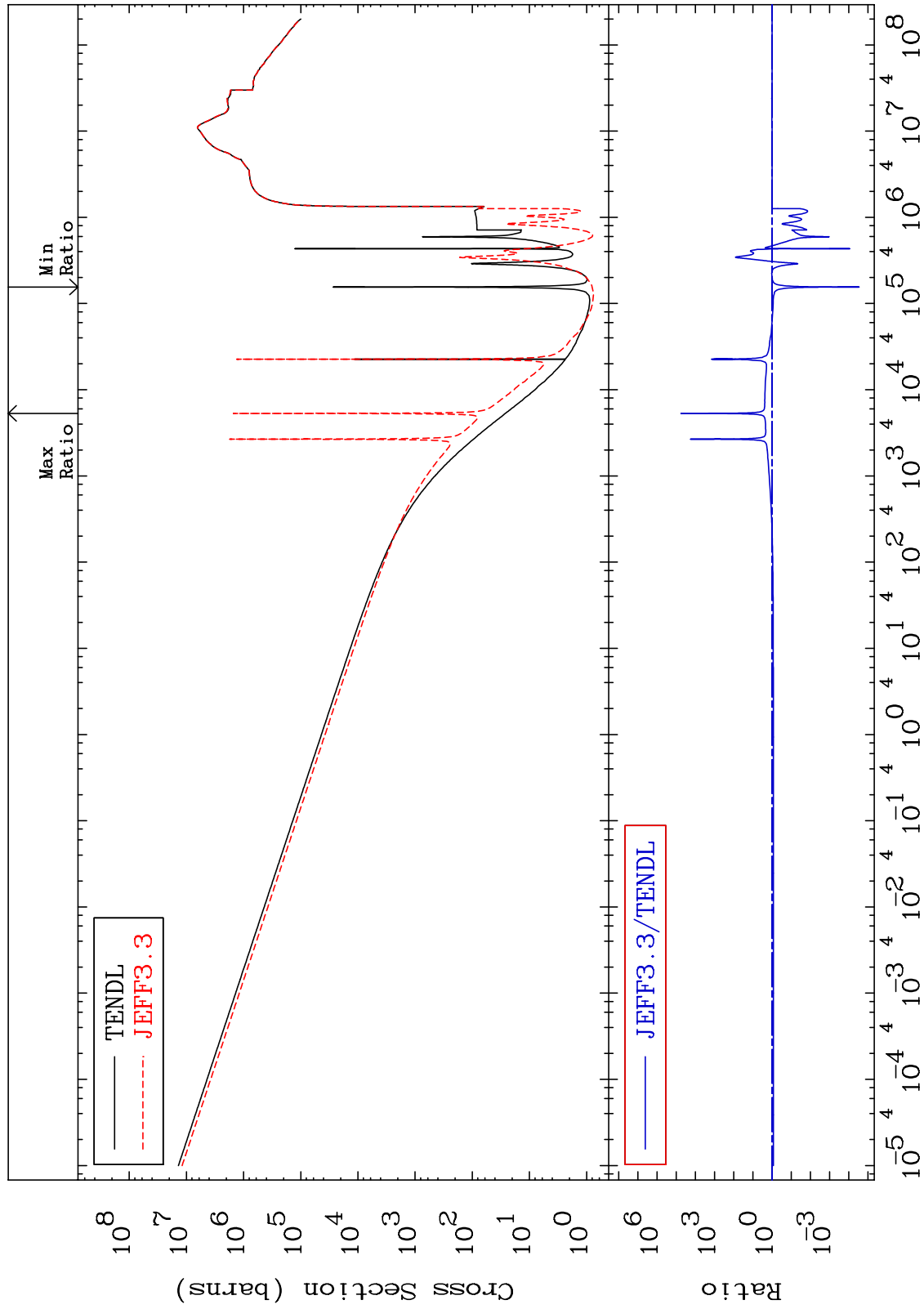
Incident Energy (eV)

10-Ne-22

MAT 1031

Total photon (eV-barns)  
Cross Section

10-Ne-22  
-100.0 To 9999. %

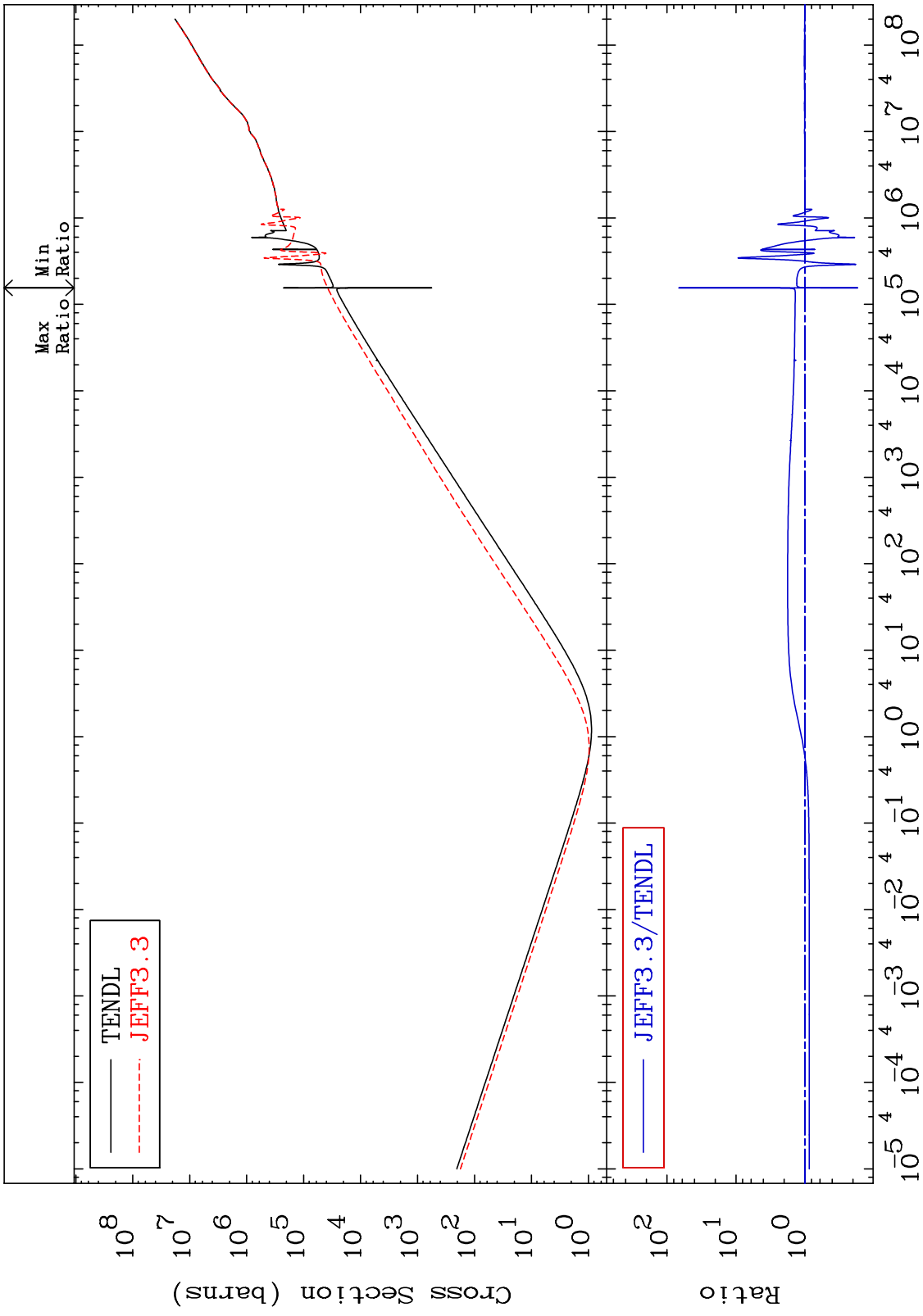


73

Incident Energy (eV)

10-Ne-22

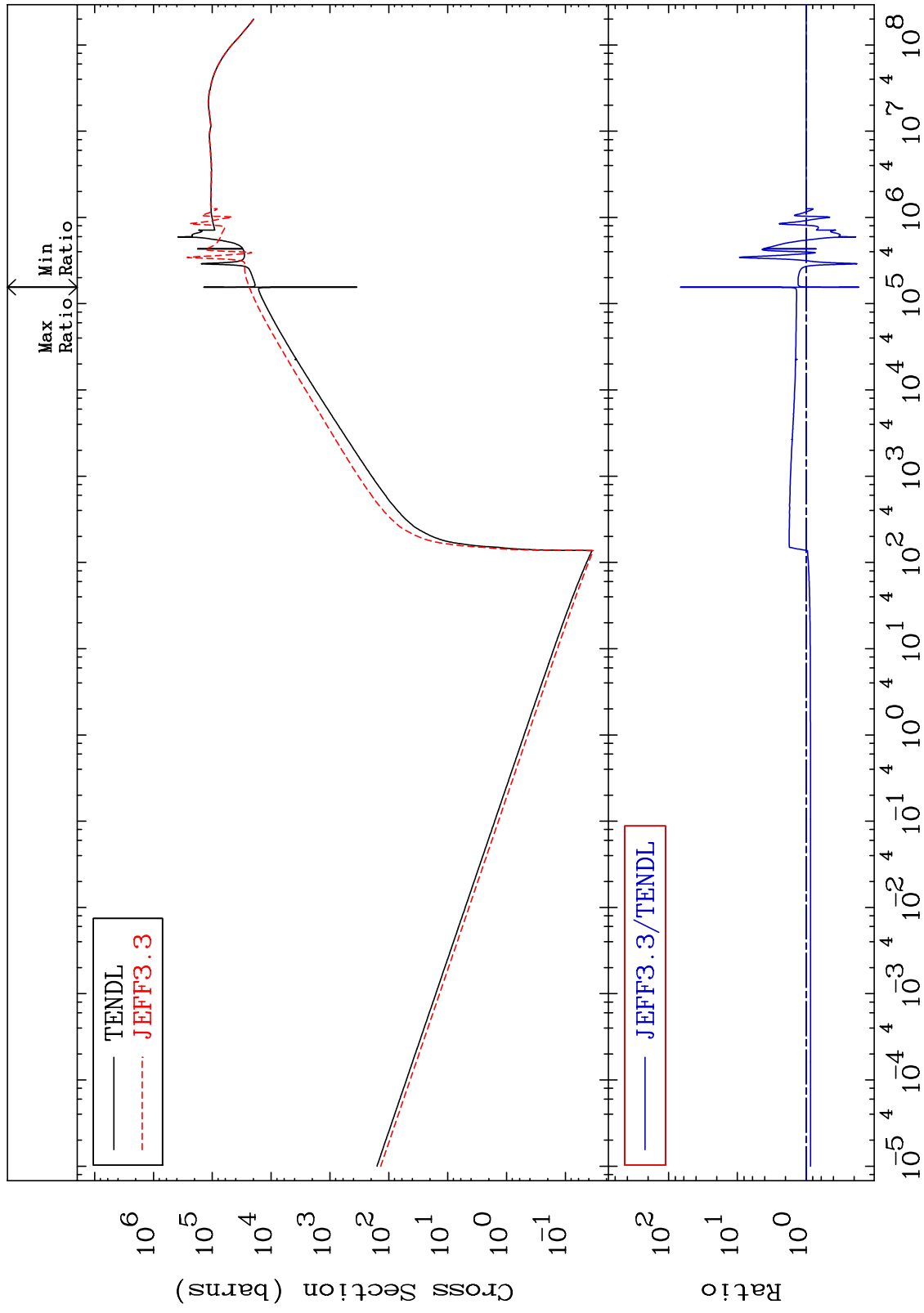
MAT 1031 Total kinematic kerma (high limit) Cross Section 10-Ne-22 -83.02 To 6598. %



MAT 1031

Dpa total (eV-barns)  
Cross Section

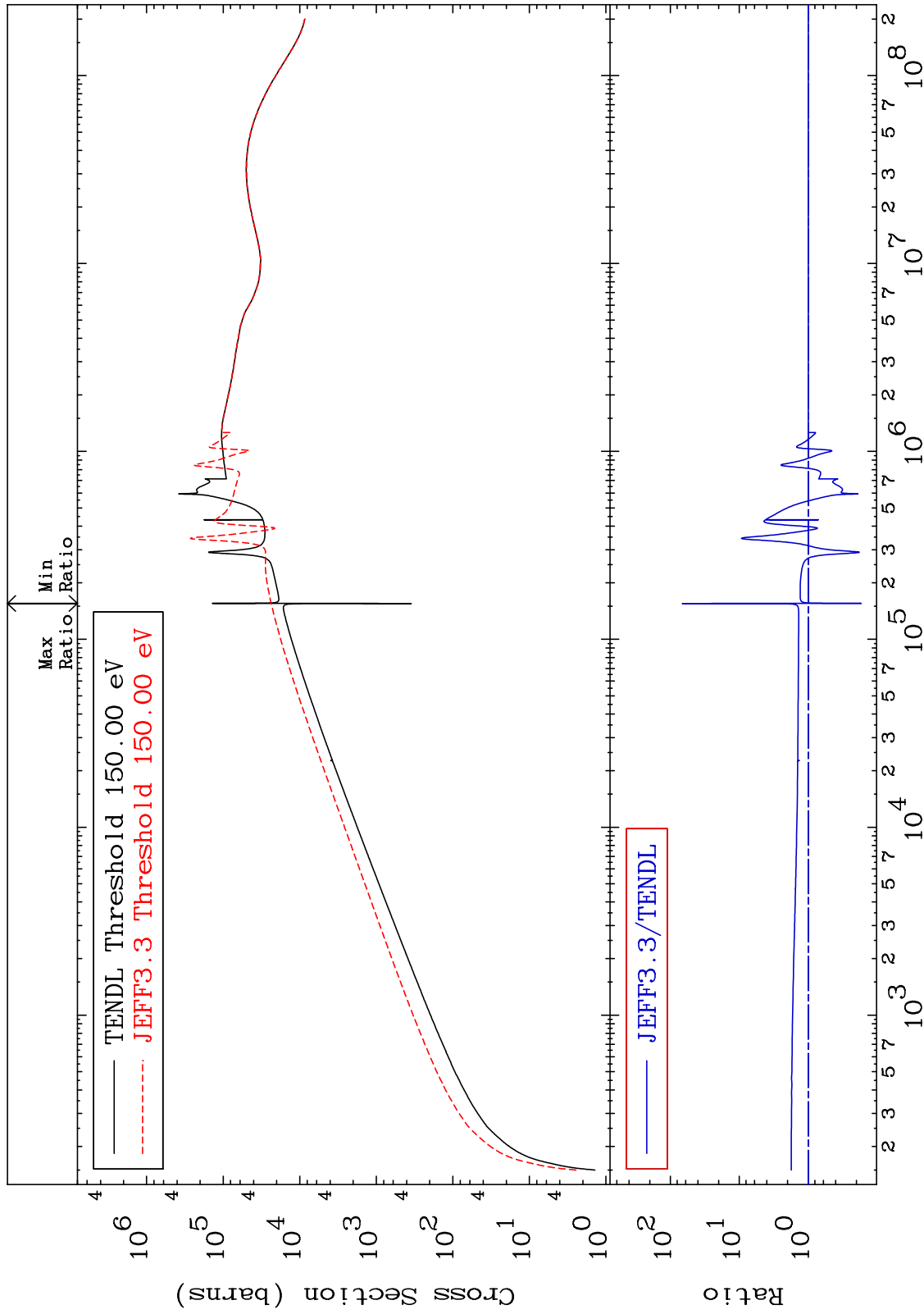
10-Ne-22  
-83.03 To 6596. %



MAT 1031

Dpa elastic (mt2)  
Cross Section

10-Ne-22  
-83.03 To 6596. %



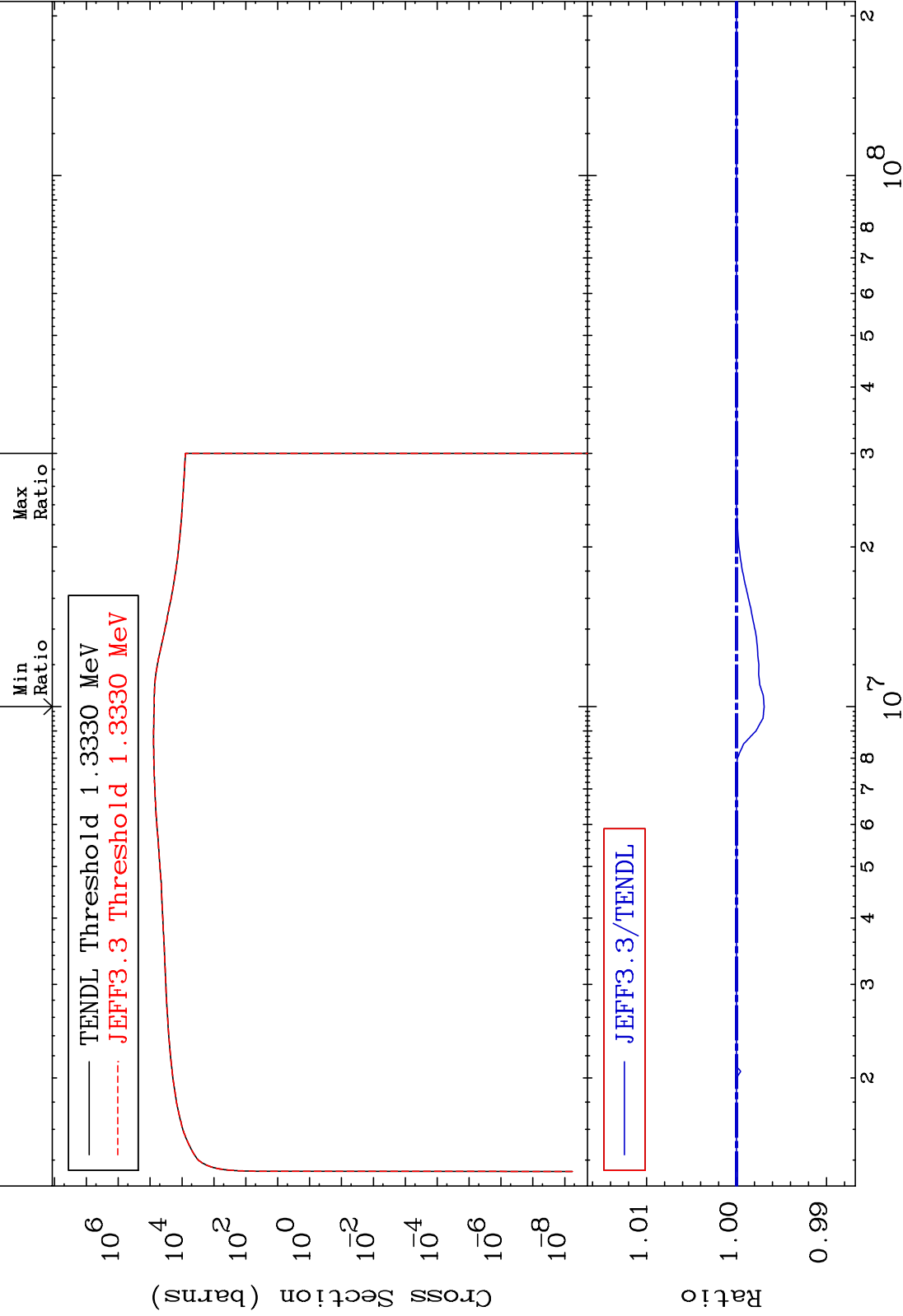
MAT 1031

Dpa inelastic (mt51-91)

10-Ne-22

-0.307 To 0.005 %

Cross Section



MAT 1031

Dpa disappearance (mt102 -120)  
Cross Section

10-Ne-22  
-100.0 To 9999. %

