

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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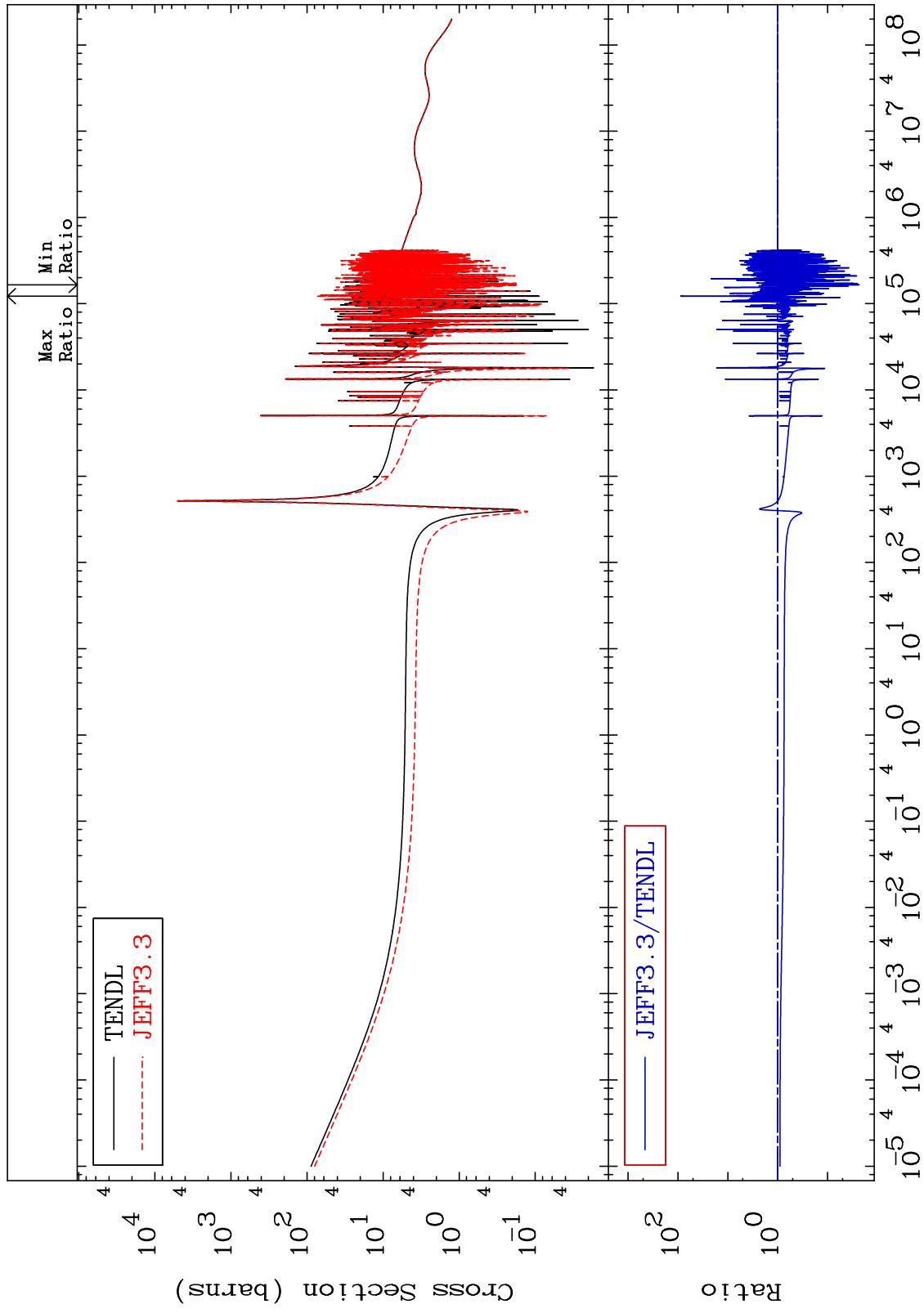
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3037

Total  
Cross Section

30-Zn-68  
-97.67 To 8732. %



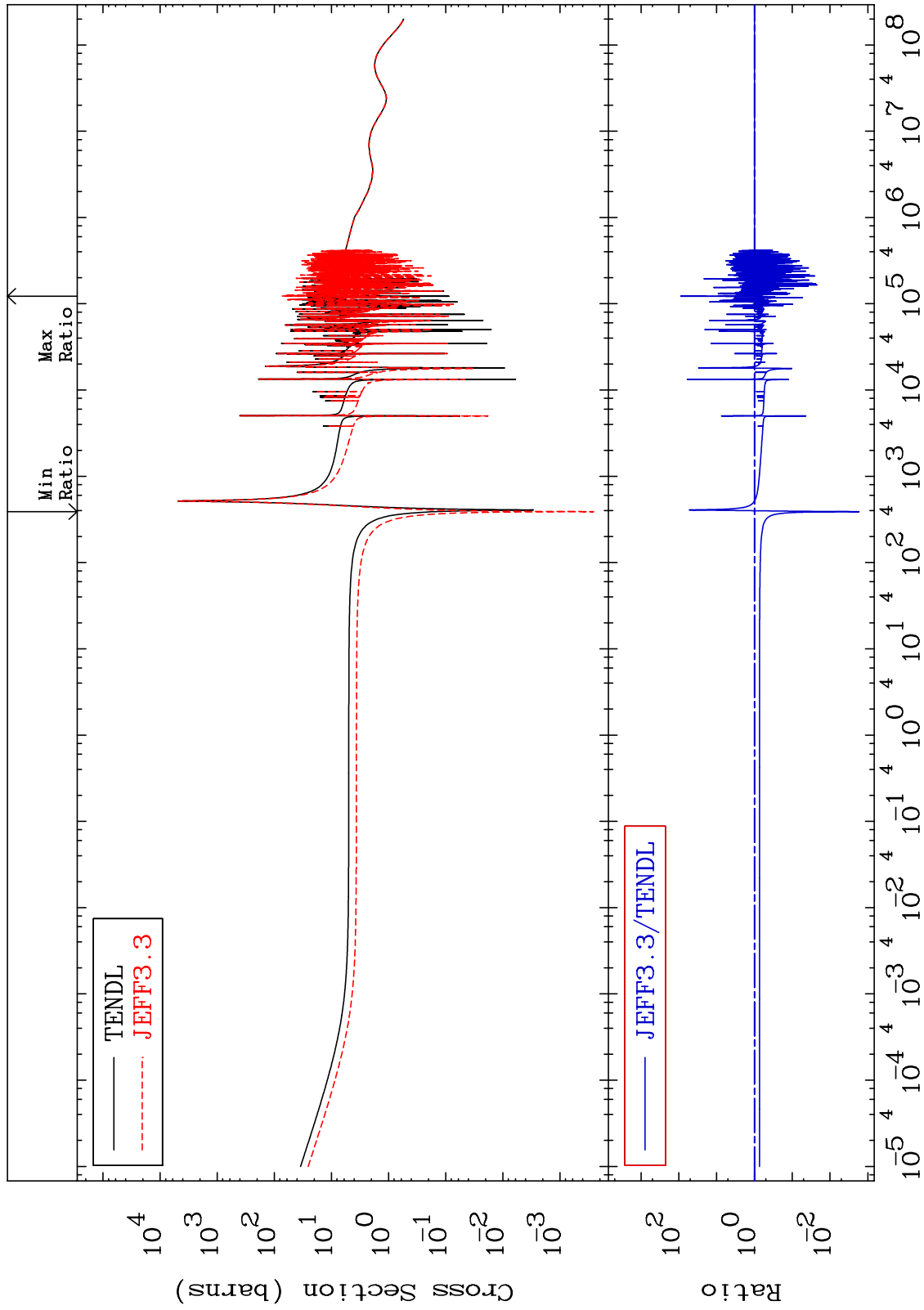
Incident Energy (eV)

30-Zn-68

MAT 3037

Elastic  
Cross Section

30-Zn-68  
-99.83 To 8854. %

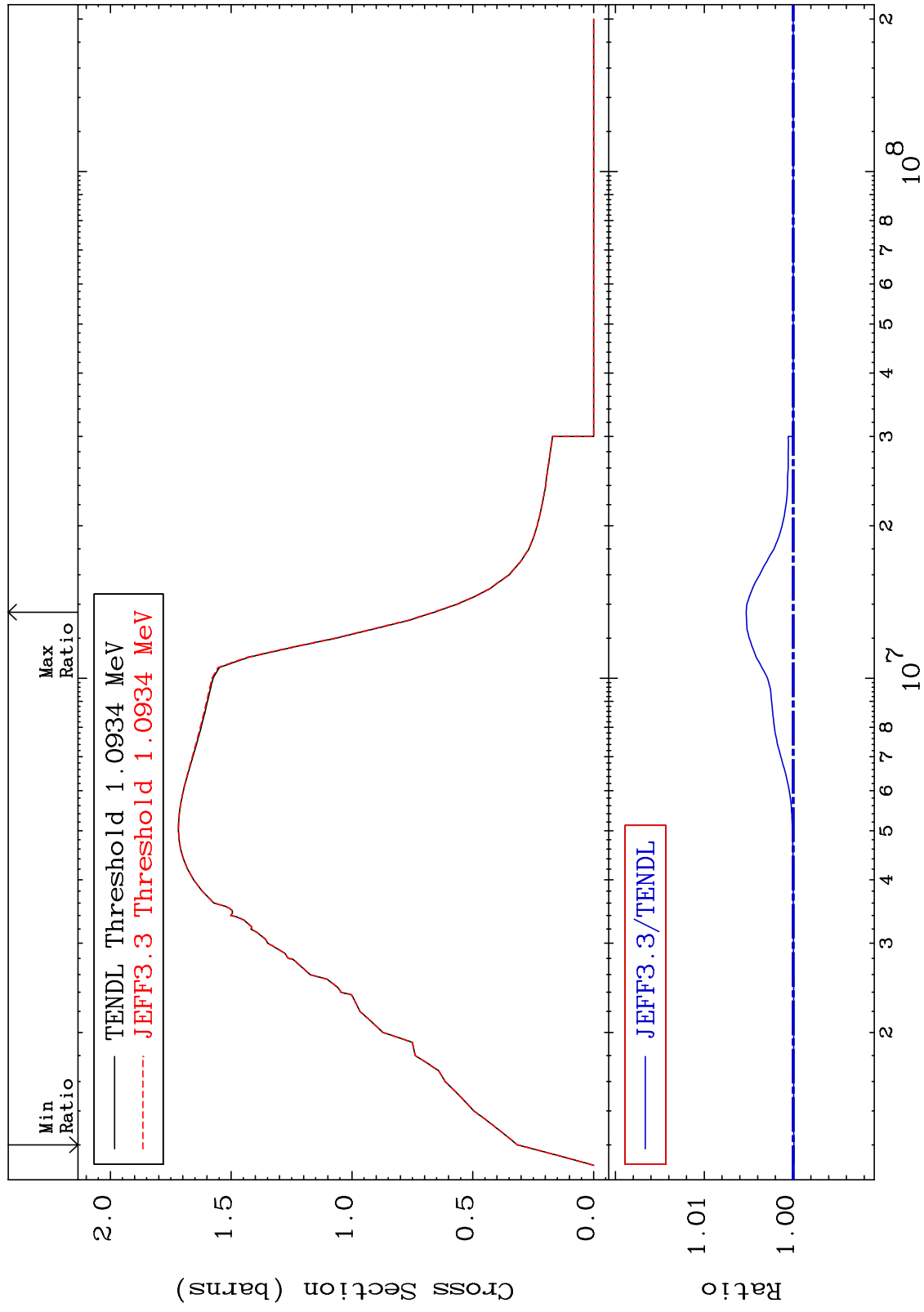


2

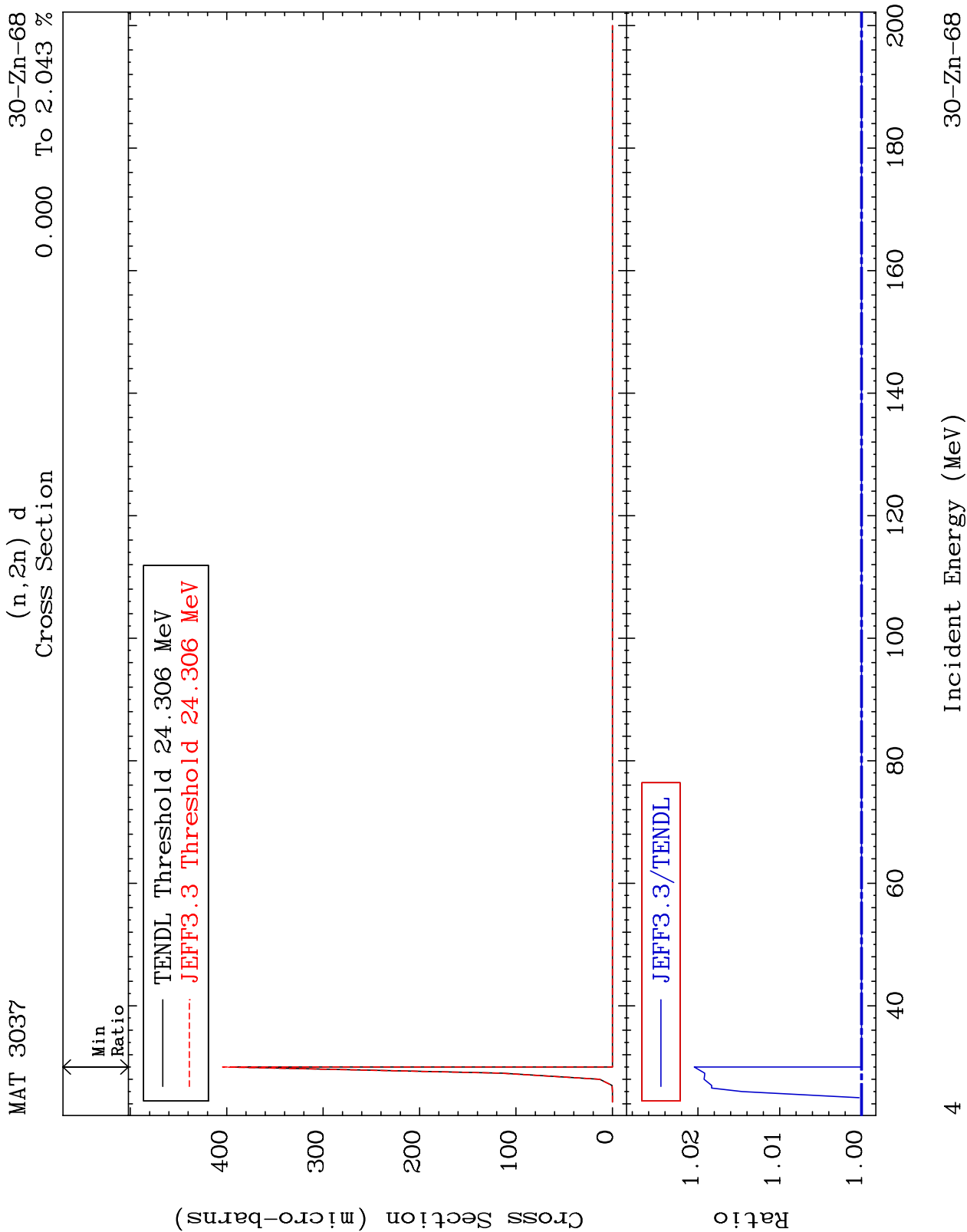
Incident Energy (eV)

30-Zn-68

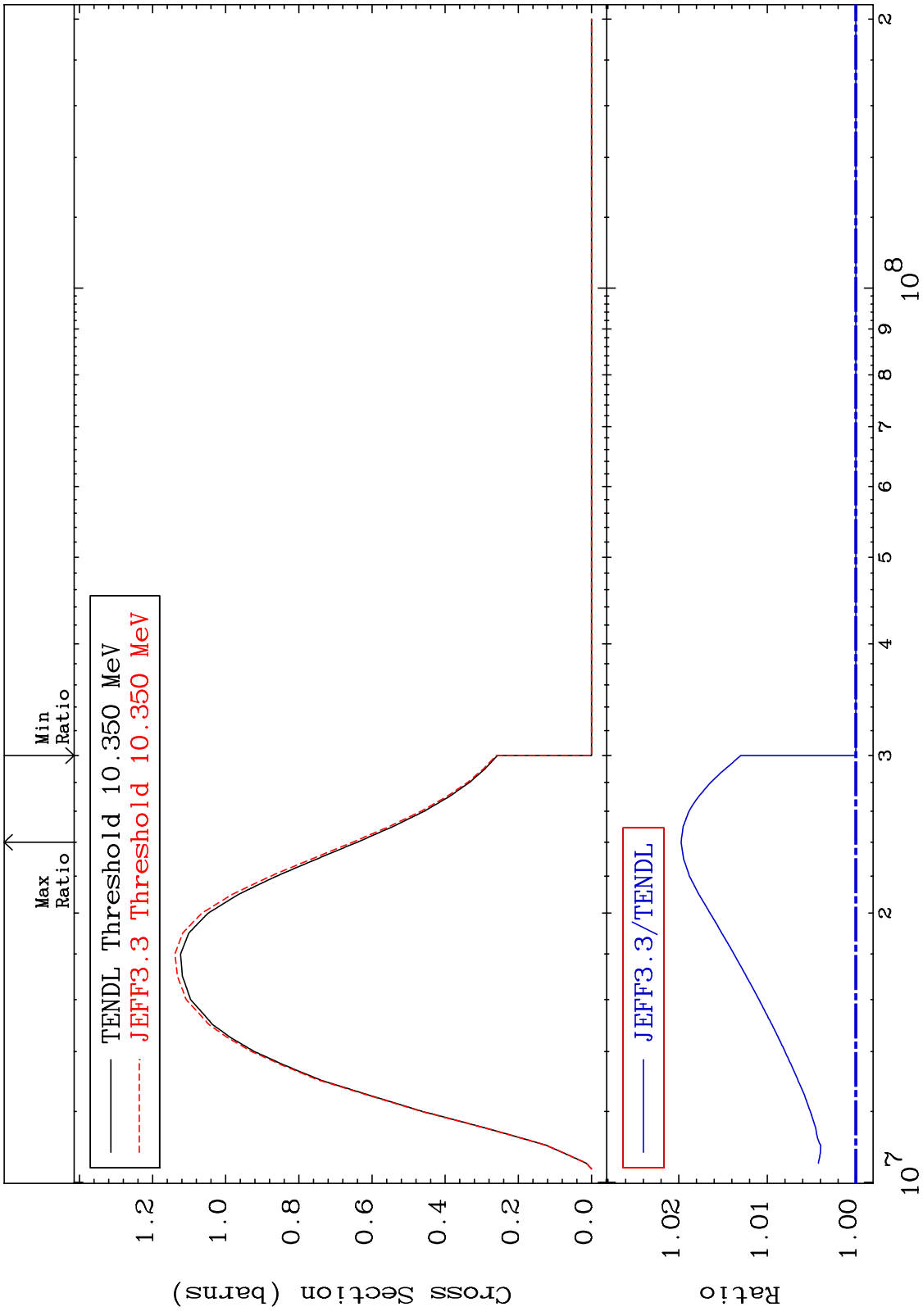
MAT 3037 30-Zn-68 Inelastic Cross Section -0.008 To 0.530 %



3 30-Zn-68 Incident Energy (eV)

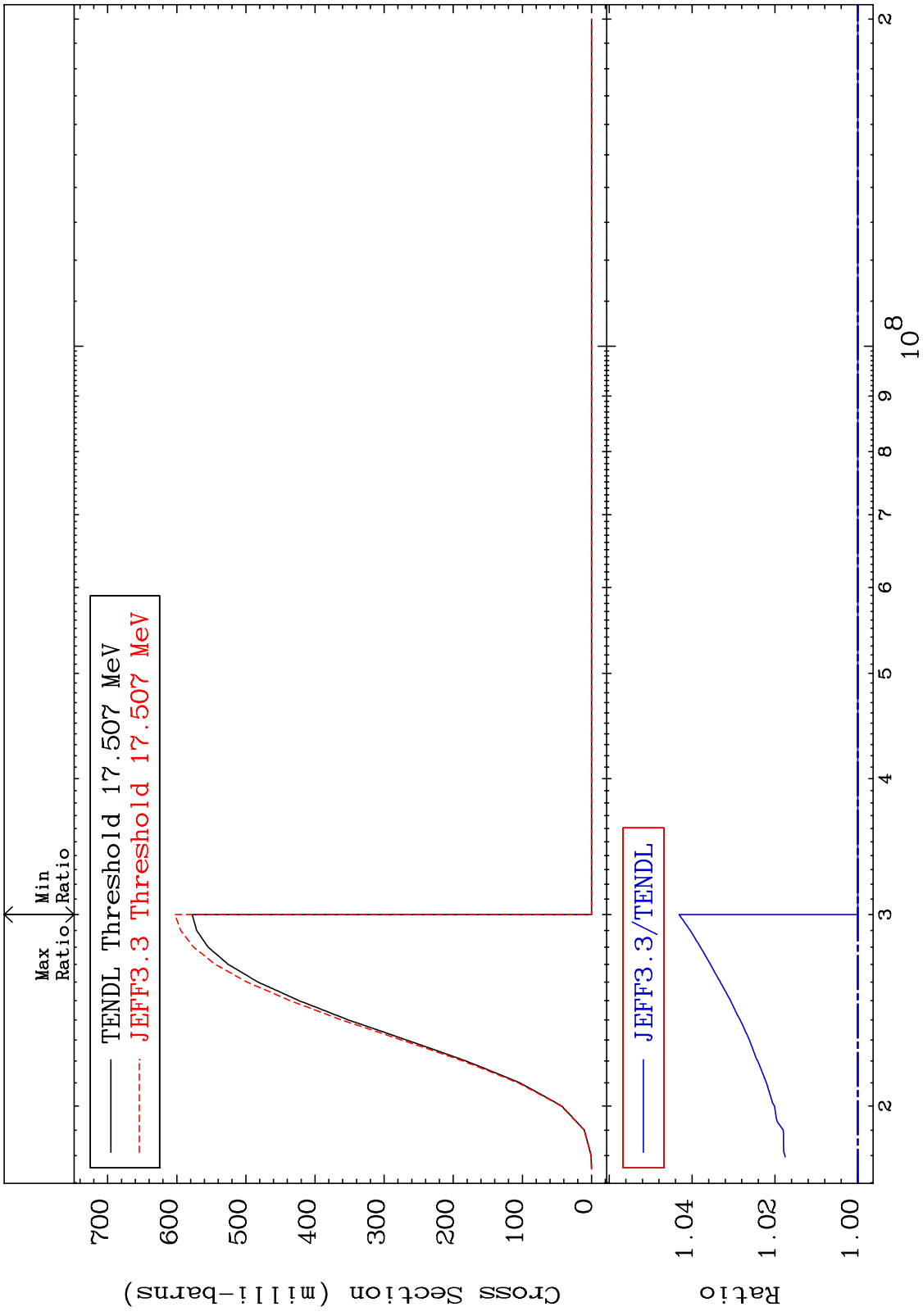


MAT 3037 (n,2n) Cross Section 30-Zn-68 To 1.973 %



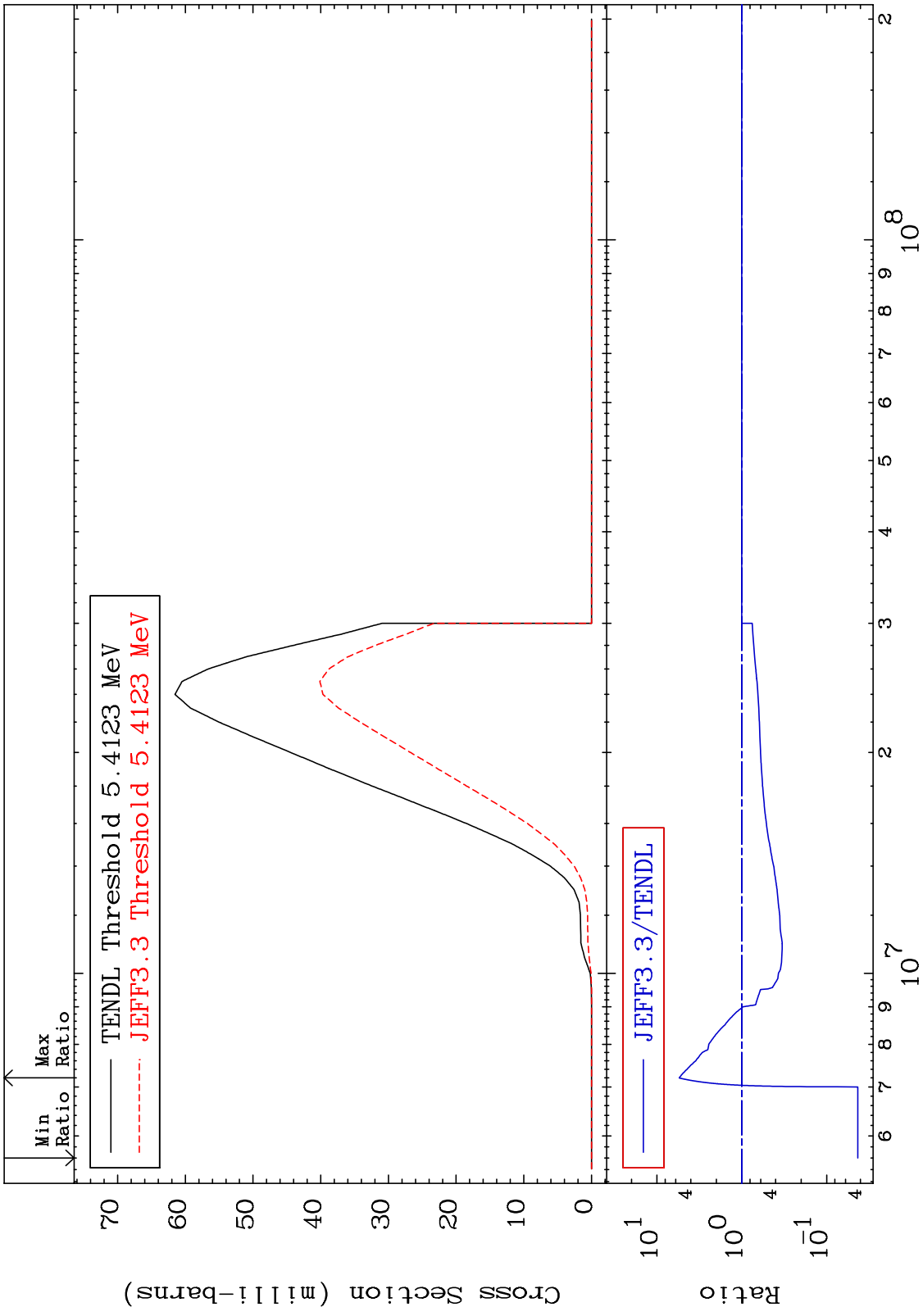
Incident Energy (eV) 30-Zn-68

MAT 3037 (n,3n) Cross Section 30-Zn-68 To 4.315 %



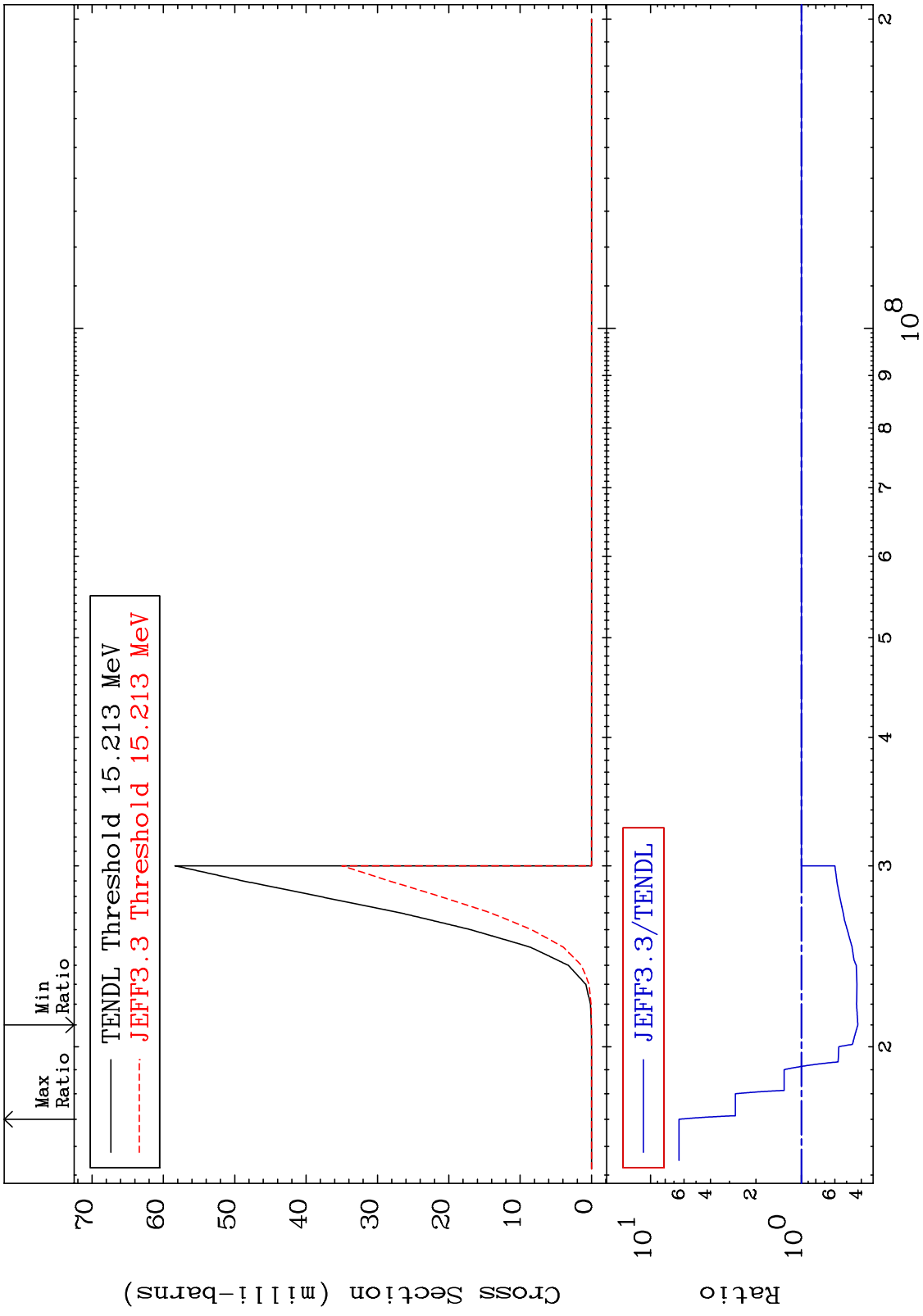
6 Incident Energy (eV) 30-Zn-68

MAT 3037  $(n, n') \alpha$  30-Zn-68  
 Cross Section -95.71 To 449.4 %



7 30-Zn-68

MAT 3037  $(n, 2n) \alpha$  30-Zn-68  
 Cross Section -57.83 To 547.1 %



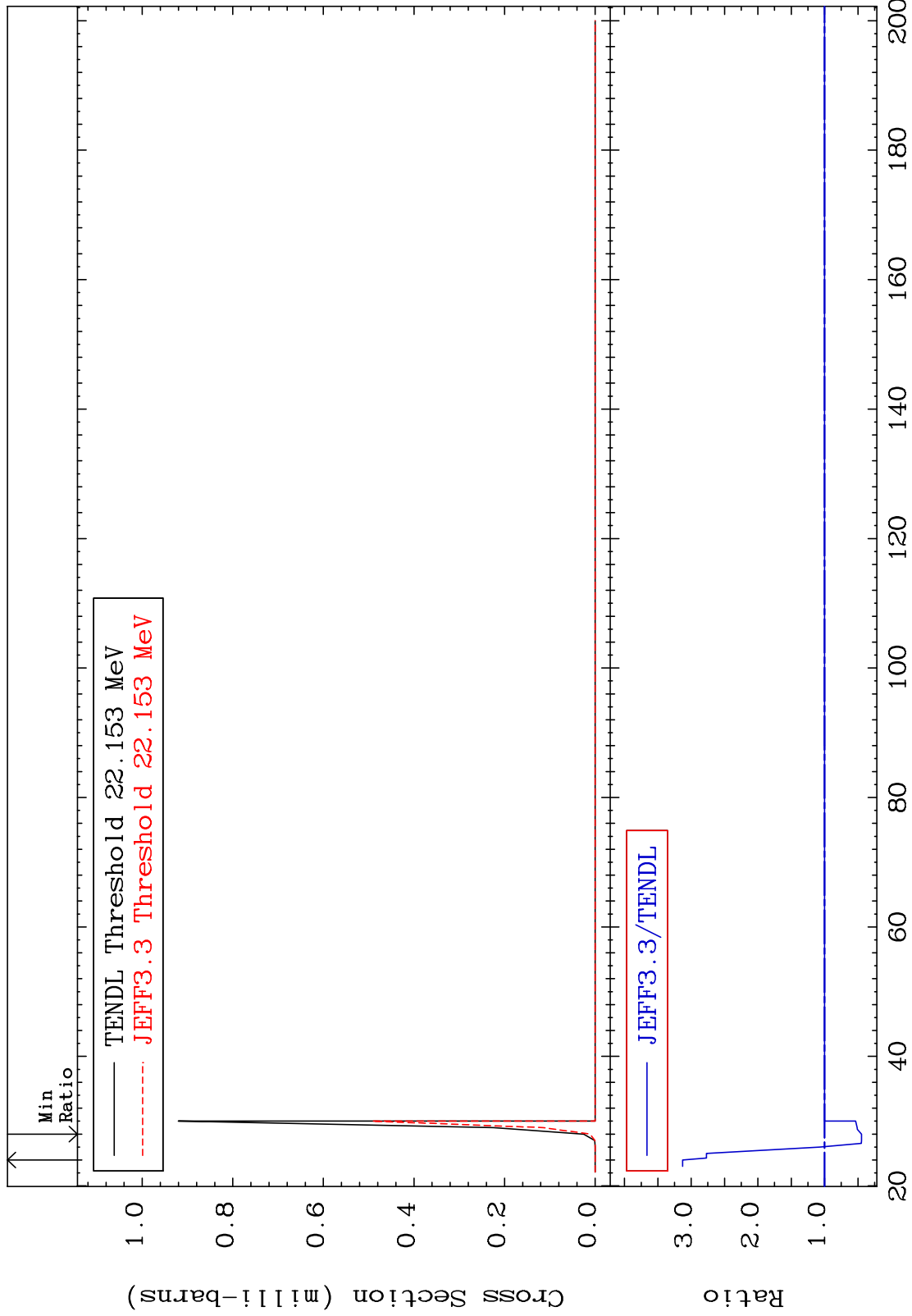
MAT 3037

(n,3n)  $\alpha$

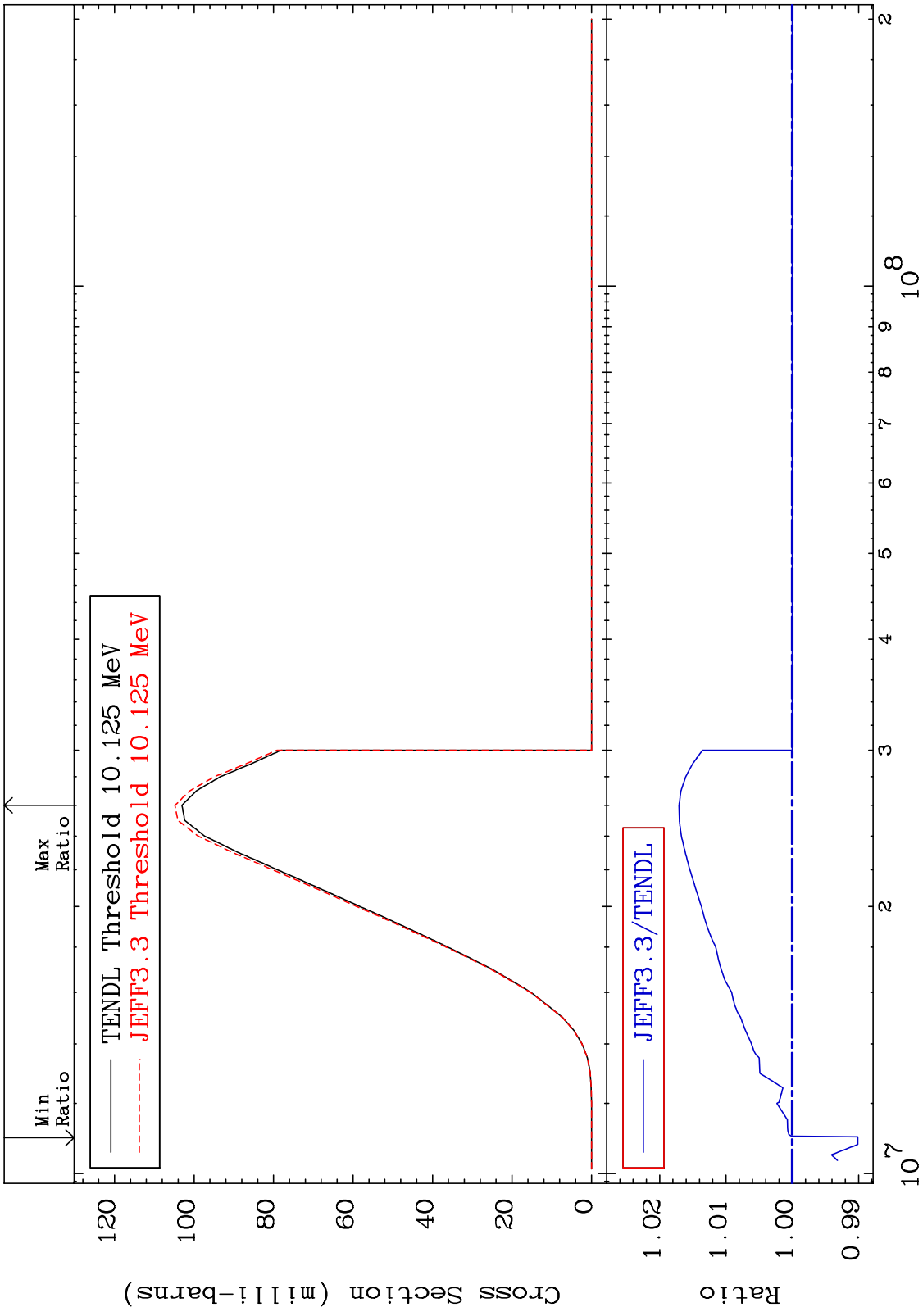
30-Zn-68

Cross Section

-55.44 To 212.8 %

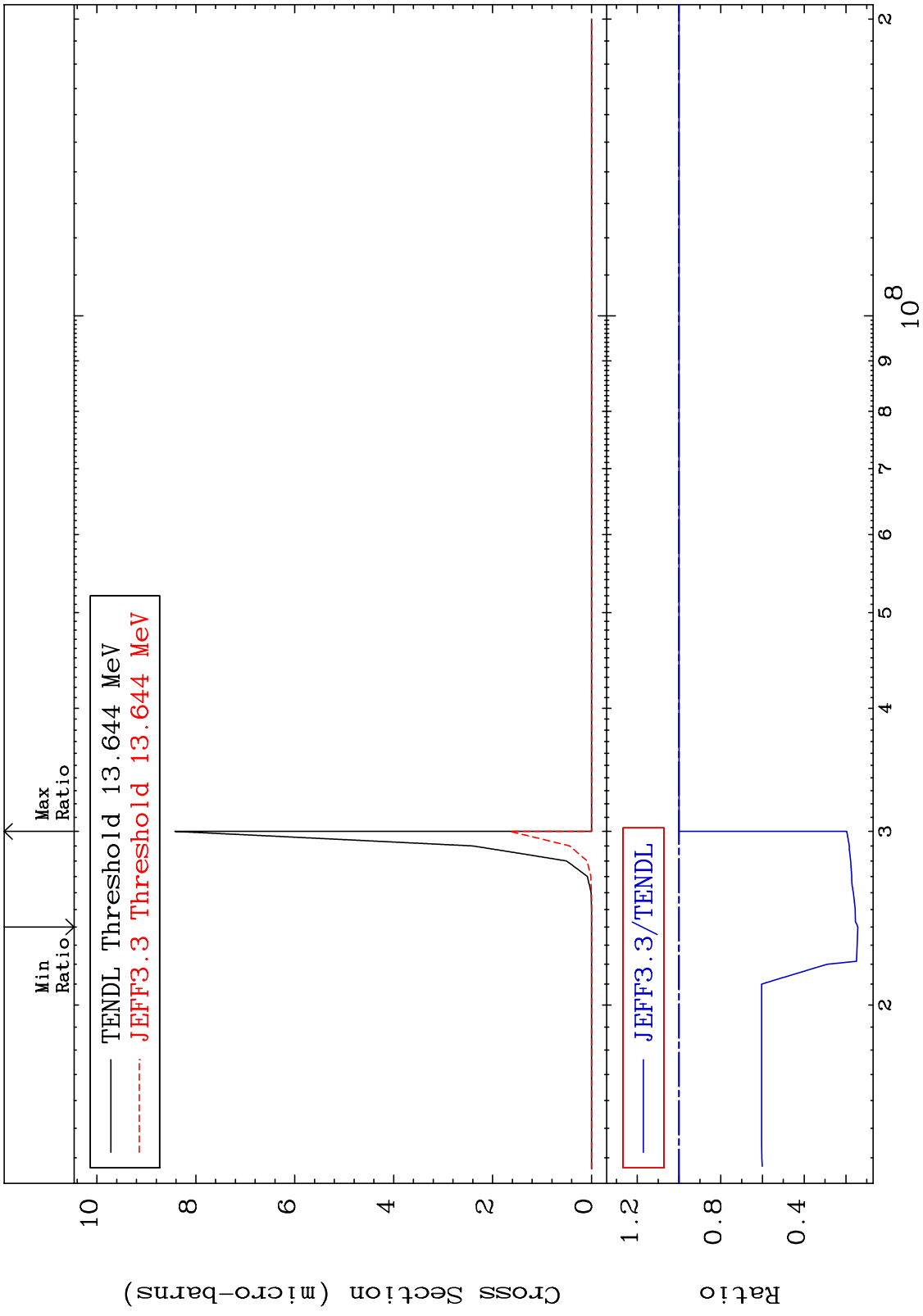


MAT 3037 (n,n') p 30-Zn-68  
Cross Section -0.988 To 1.708 %

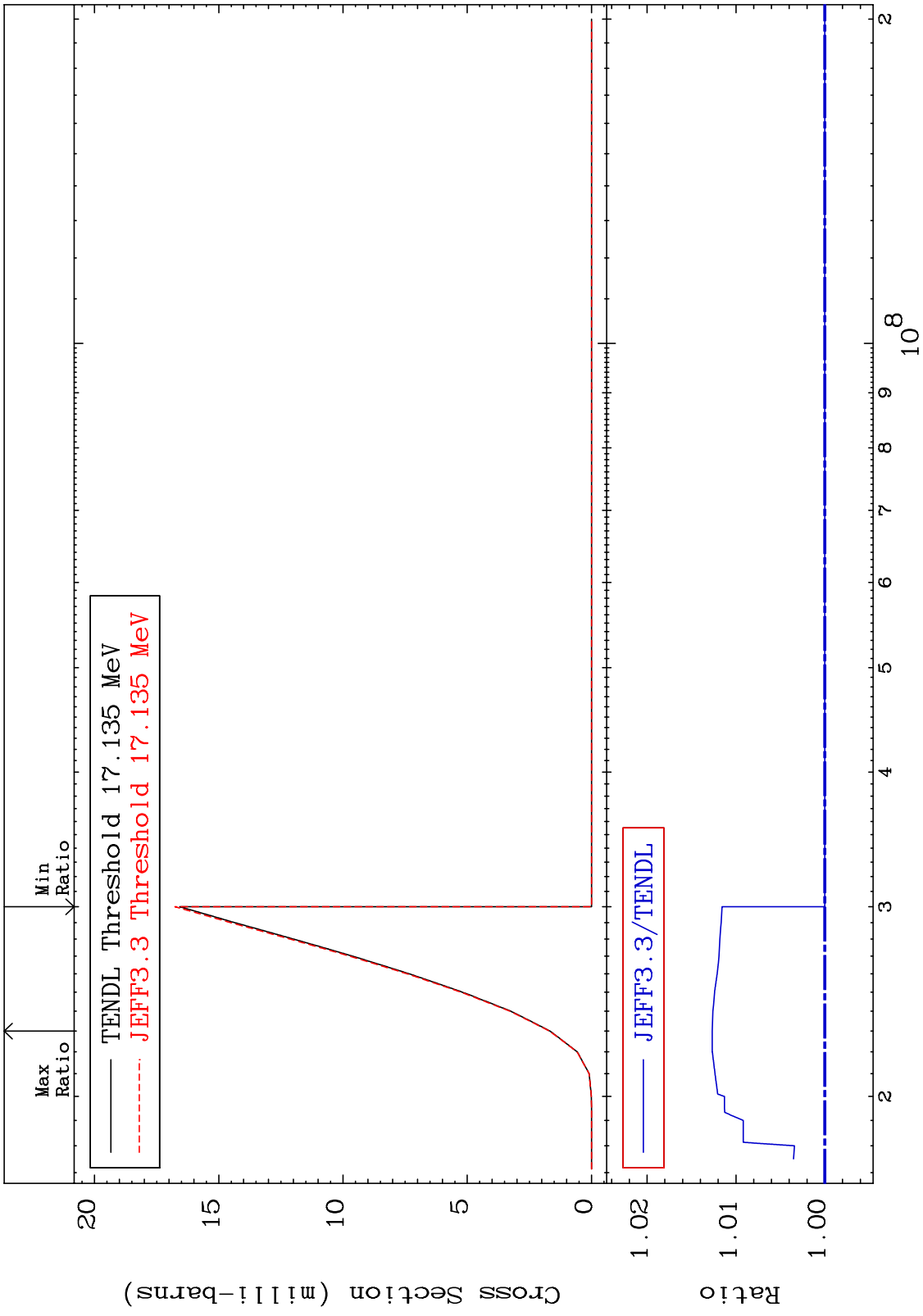


30-Zn-68

MAT 3037 (n,n') 2α 30-Zn-68  
 Cross Section -85.72 To 0.000 %

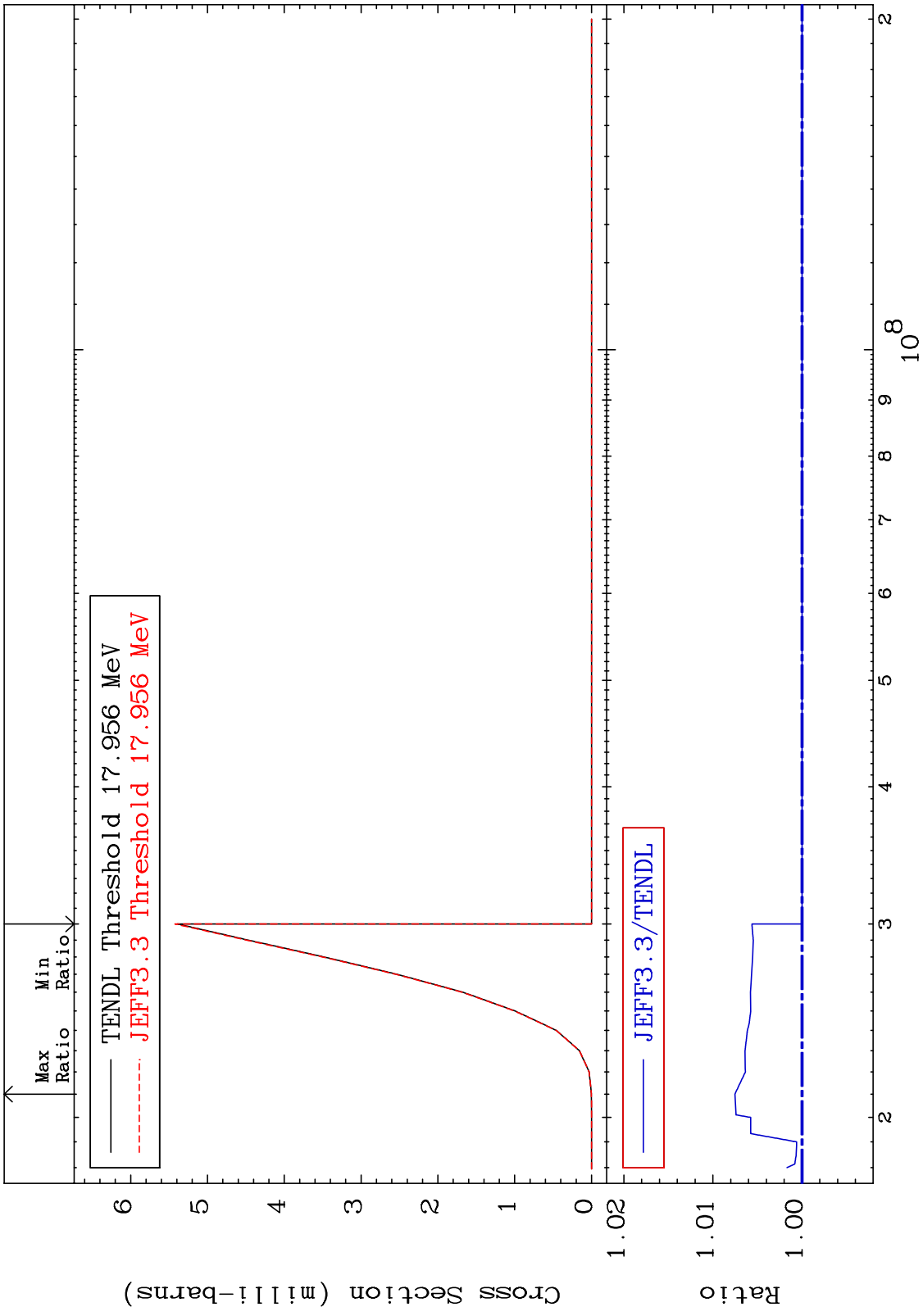


MAT 3037 (n,n') d 30-Zn-68  
 Cross Section 0.000 To 1.268 %



12 30-Zn-68

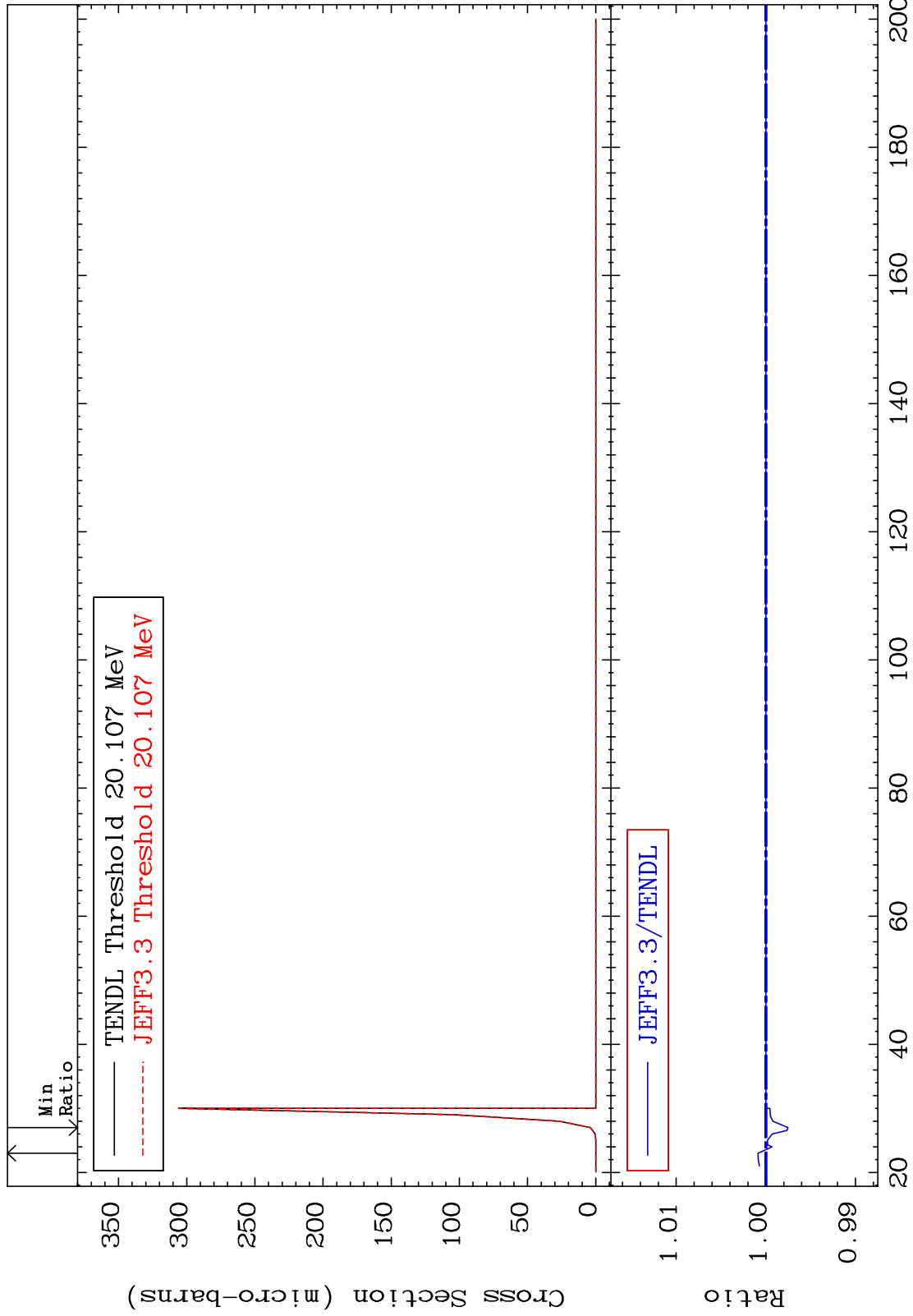
MAT 3037 (n,n') t 30-Zn-68  
 Cross Section 0.000 To 0.753 %

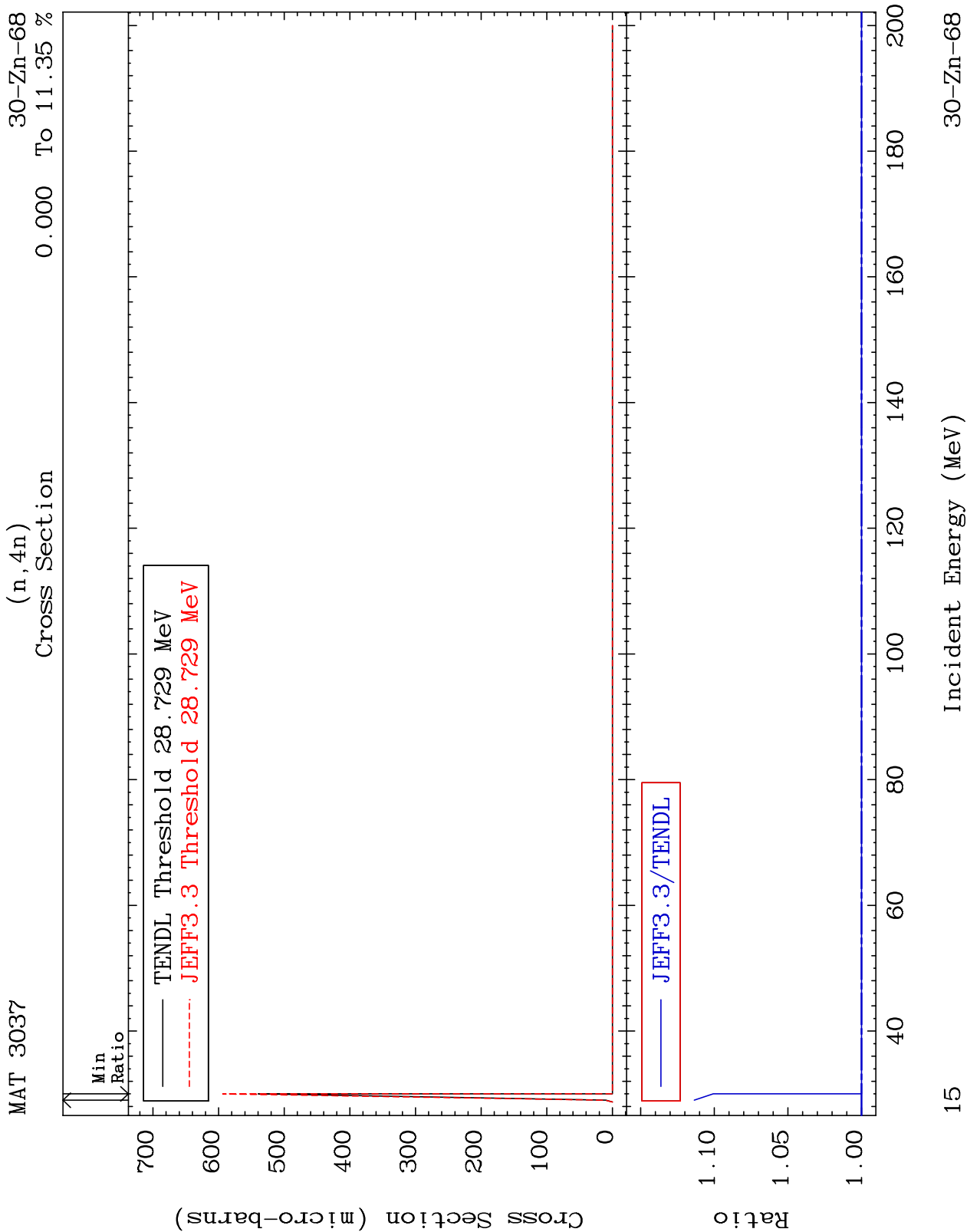


MAT 3037

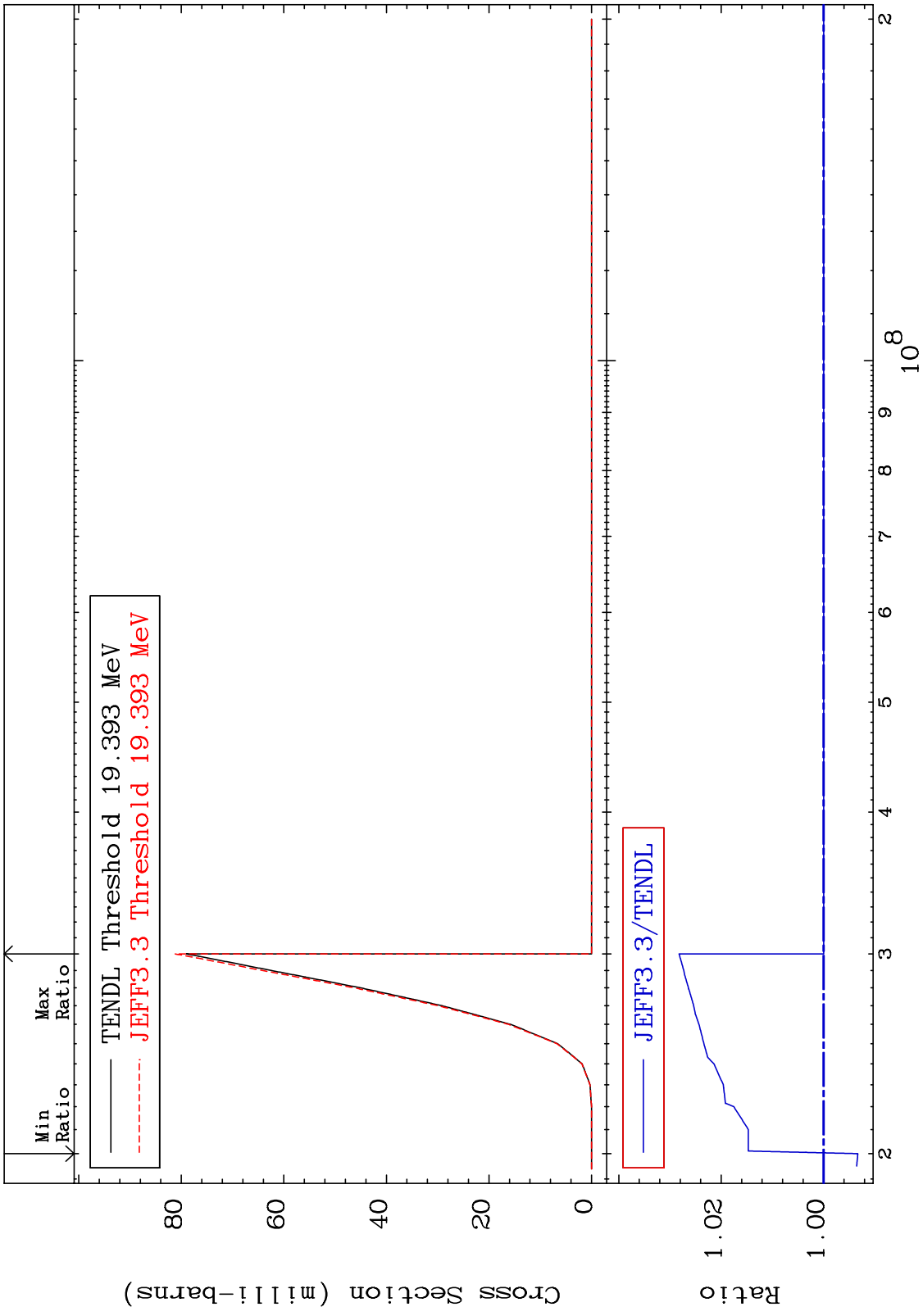
(n, n') He-3  
Cross Section

30-Zn-68  
-0.247 To 0.088 %

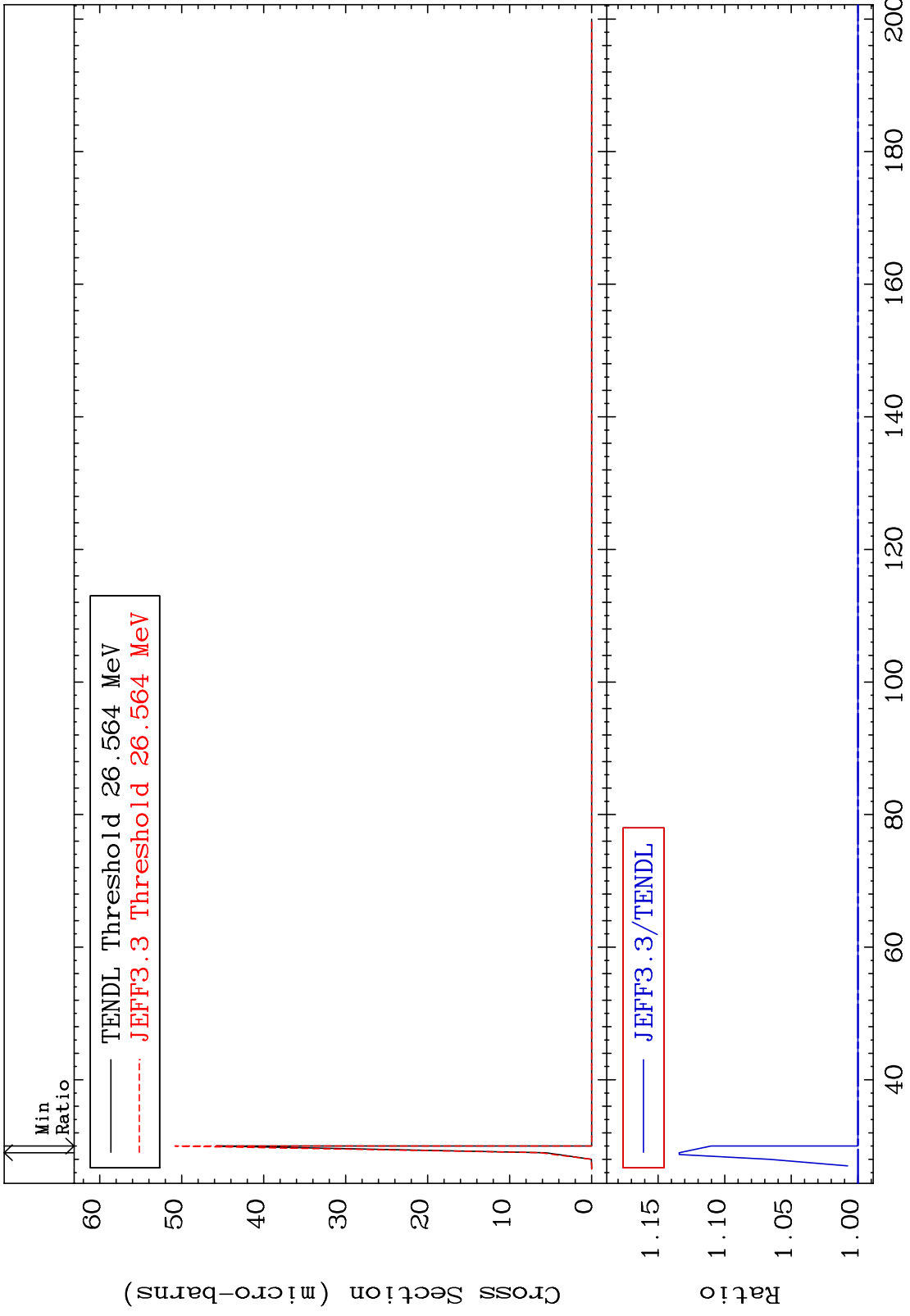




MAT 3037 (n,2n) p 30-Zn-68  
 Cross Section -0.669 To 2.823 %



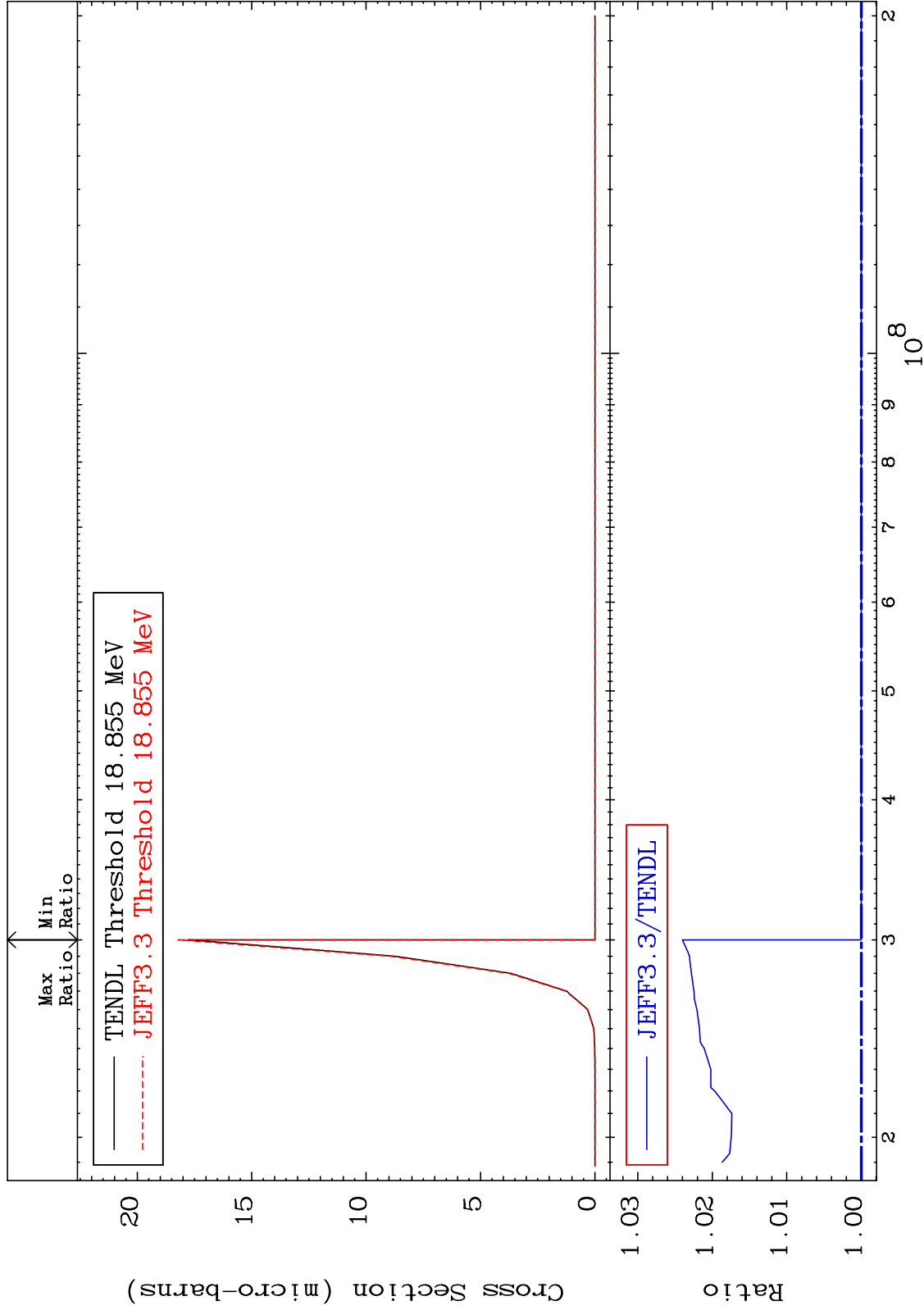
MAT 3037 (n,3n) p 30-Zn-68  
Cross Section 0.000 To 13.42 %



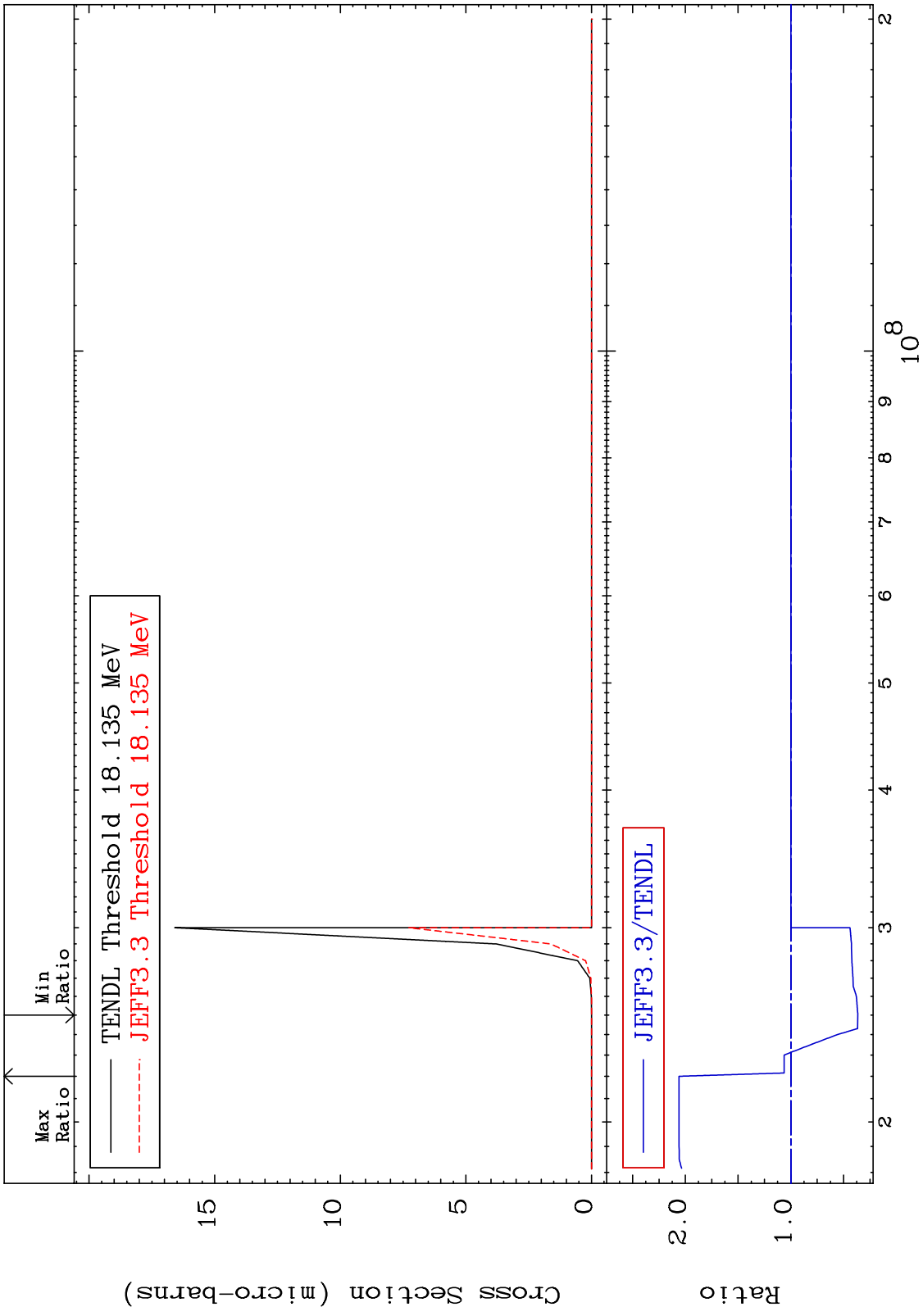
MAT 3037

(n,2n) p  
Cross Section

30-Zn-68  
To 2.400 %

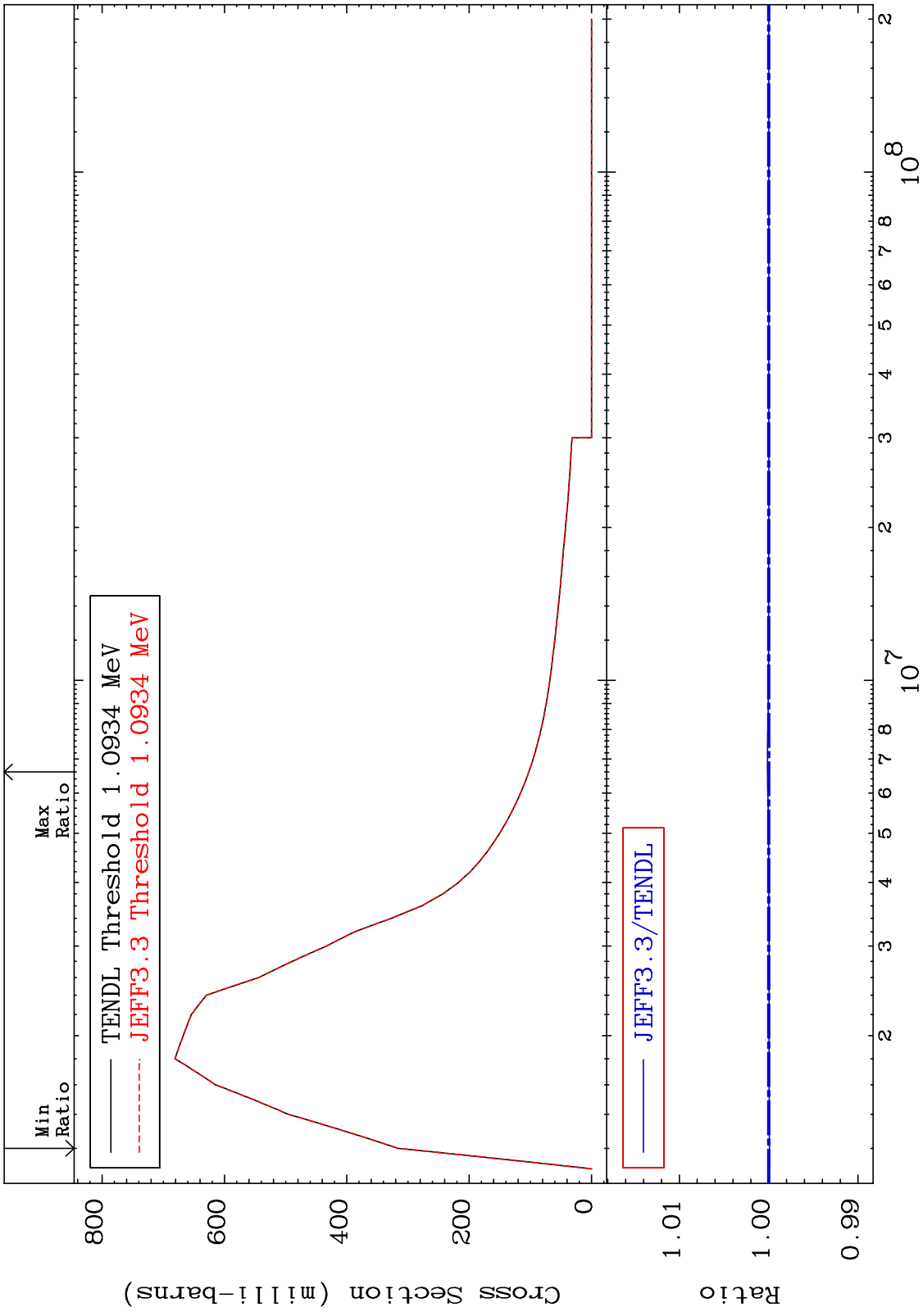


MAT 3037 (n,n') p  $\alpha$  30-Zn-68  
 Cross Section -63.52 To 106.0 %



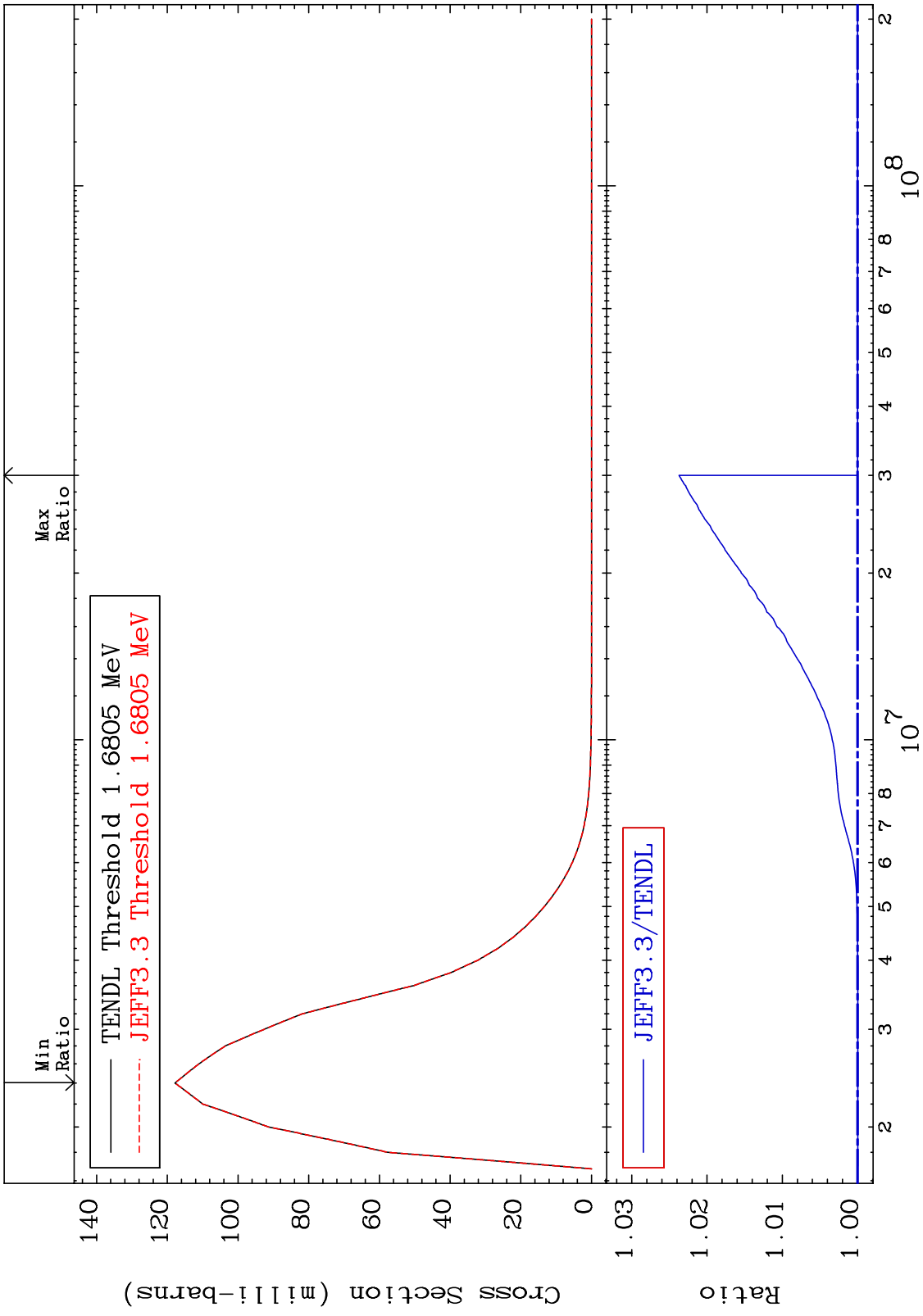
30-Zn-68

MAT 3037 MT= 51 (n,n') Level Cross Section 30-Zn-68  
 -0.008 To 0.014 %

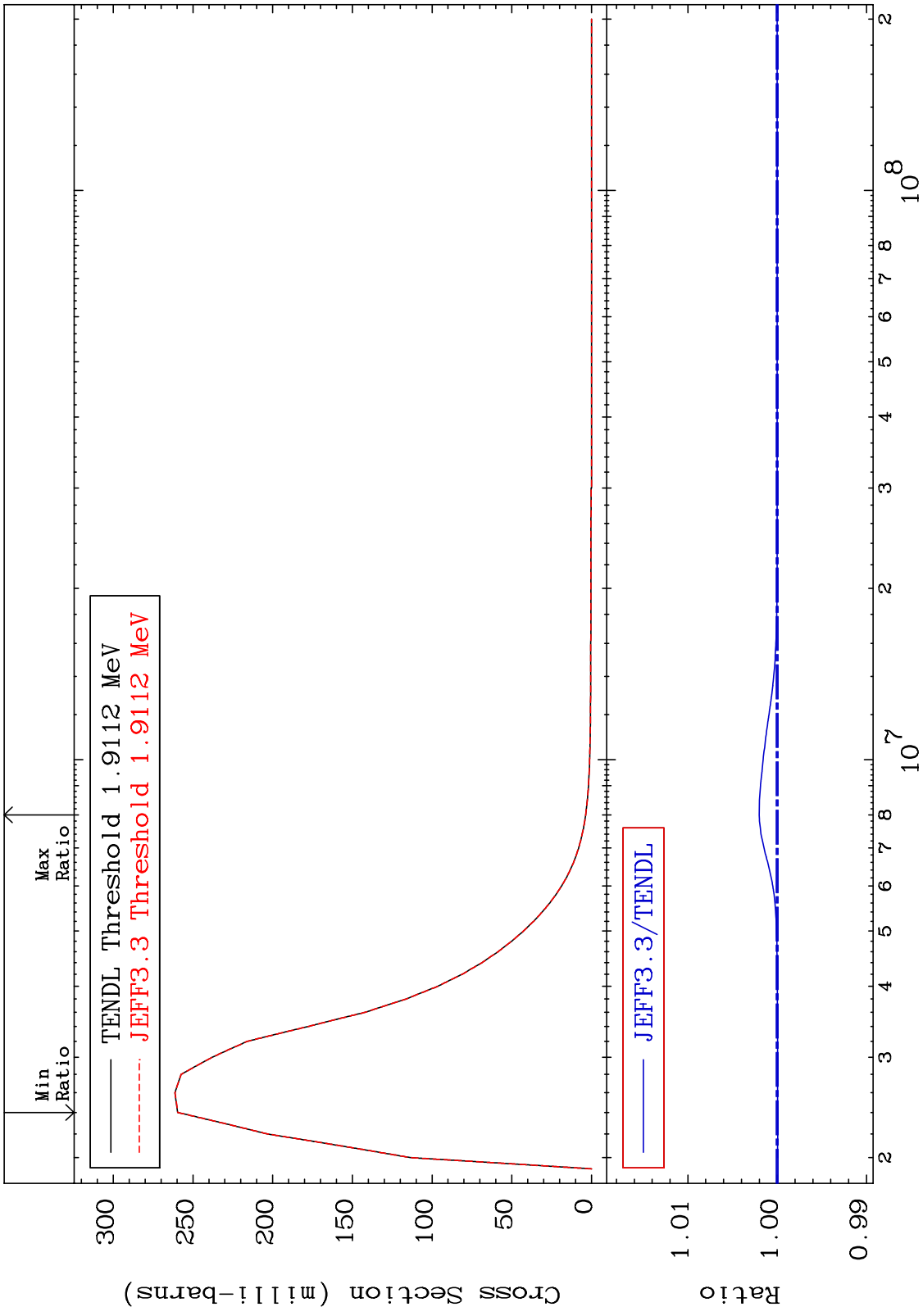


20 Incident Energy (eV) 30-Zn-68

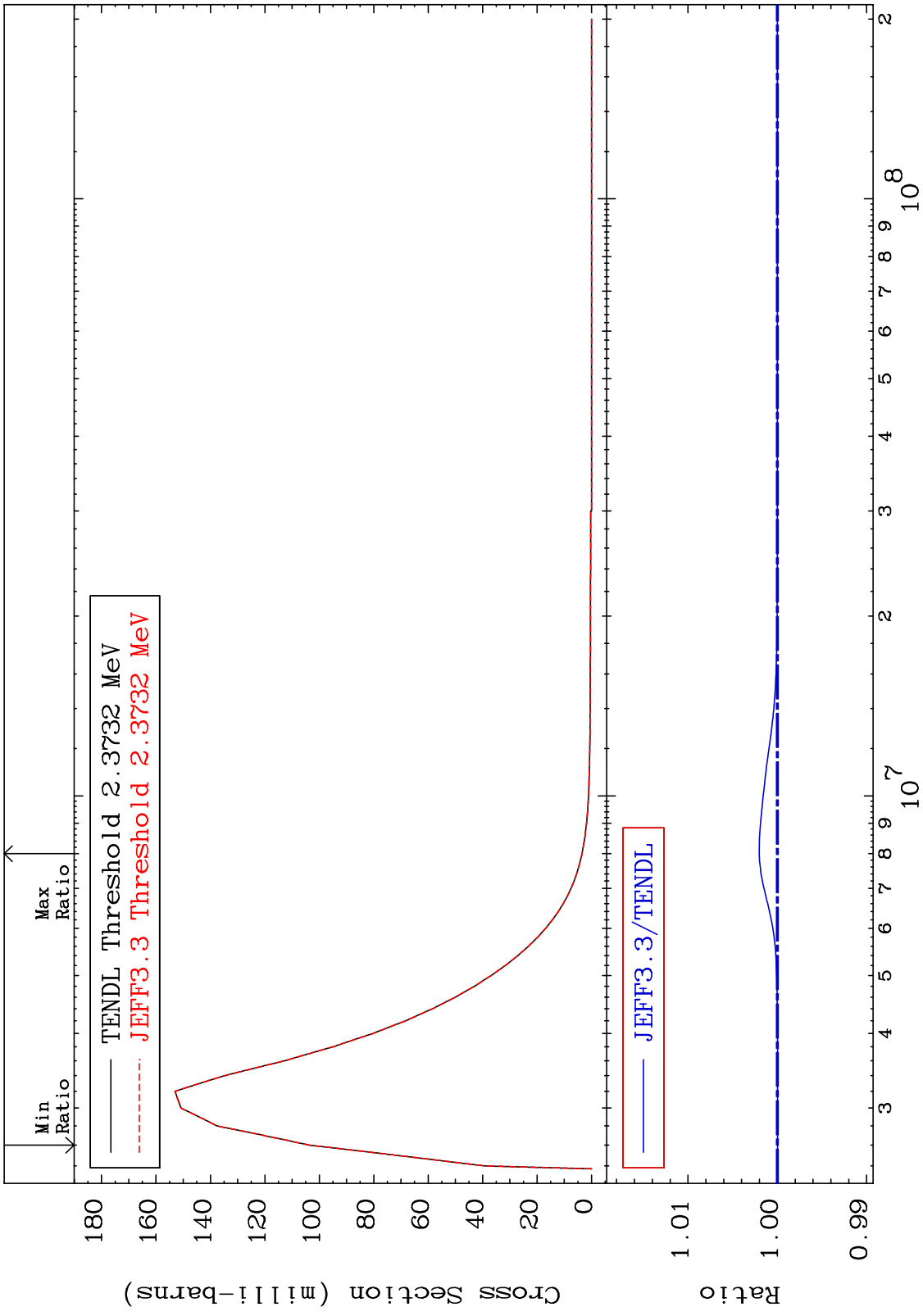
MAT 3037 MT= 52 (n,n') Level Cross Section -0.003 To 2.372 % 30-Zn-68



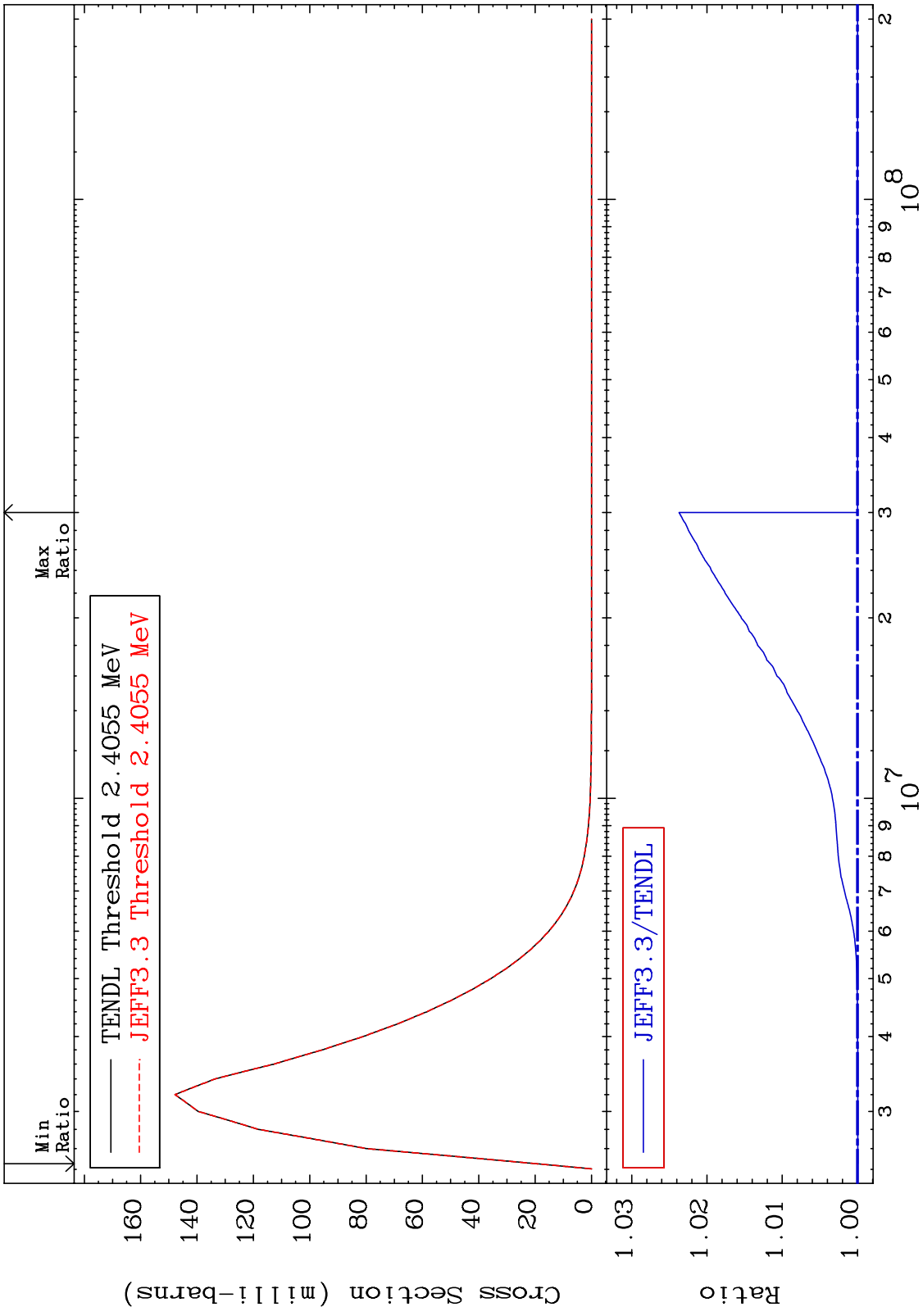
MAT 3037 MT= 53 (n,n') Level Cross Section 30-Zn-68  
 -0.006 To 0.202 %



MAT 3037 MT= 54 (n,n') Level Cross Section -0.004 To 0.202 % 30-Zn-68



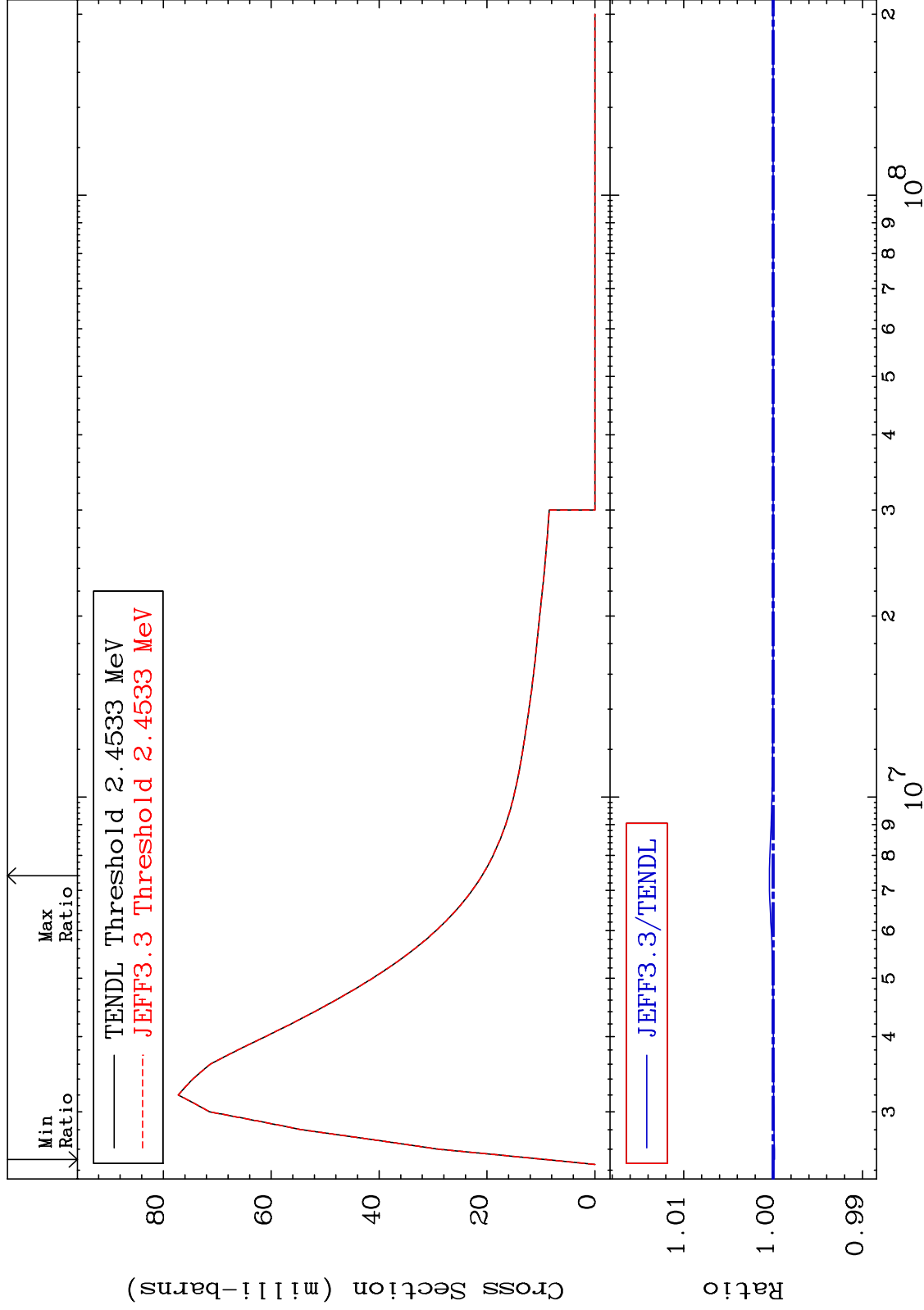
MAT 3037 MT= 55 (n,n') Level Cross Section -0.004 To 2.371 % 30-Zn-68



MAT 3037

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

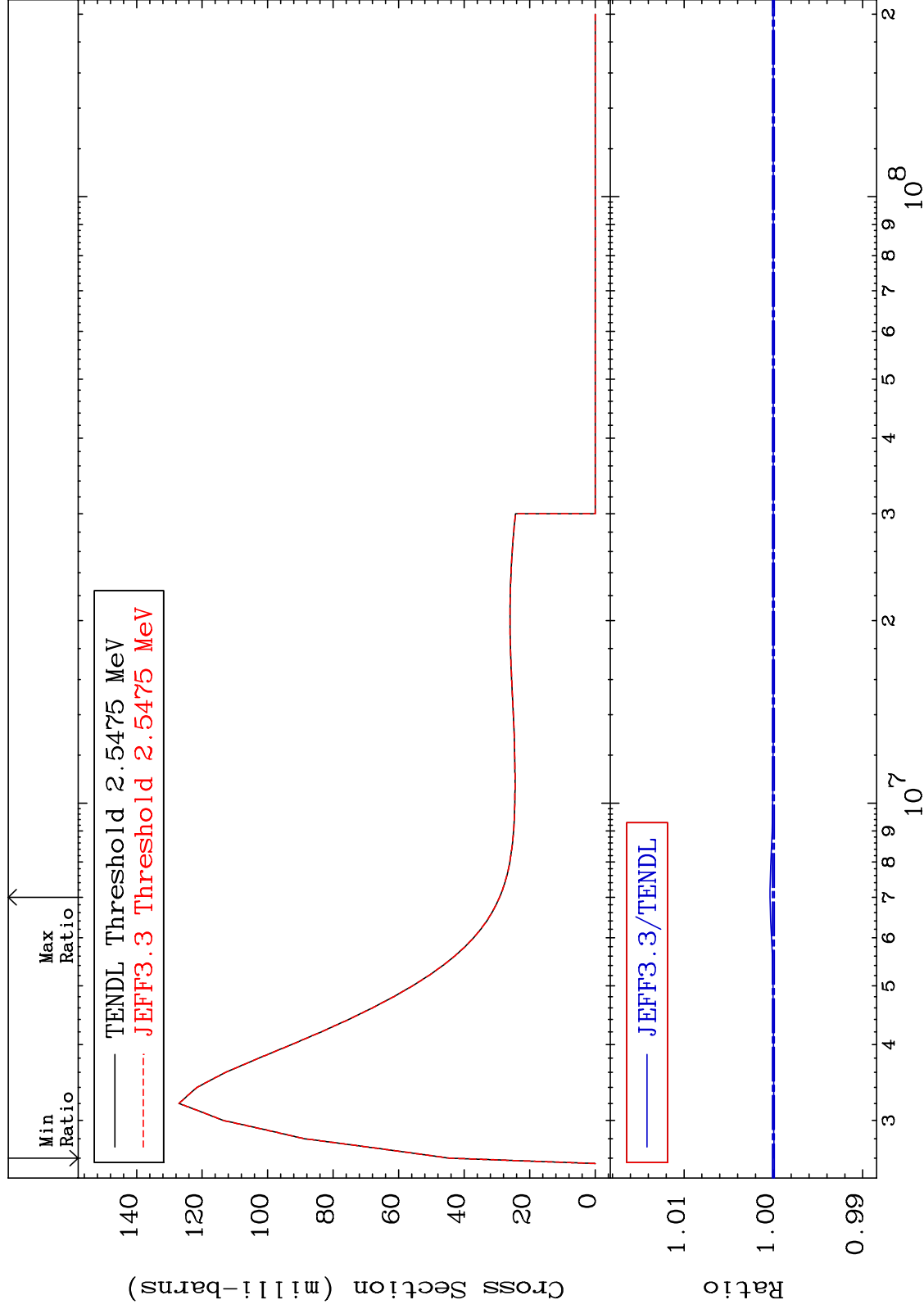
30-Zn-68  
-0.015 To 0.042 %



MAT 3037

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

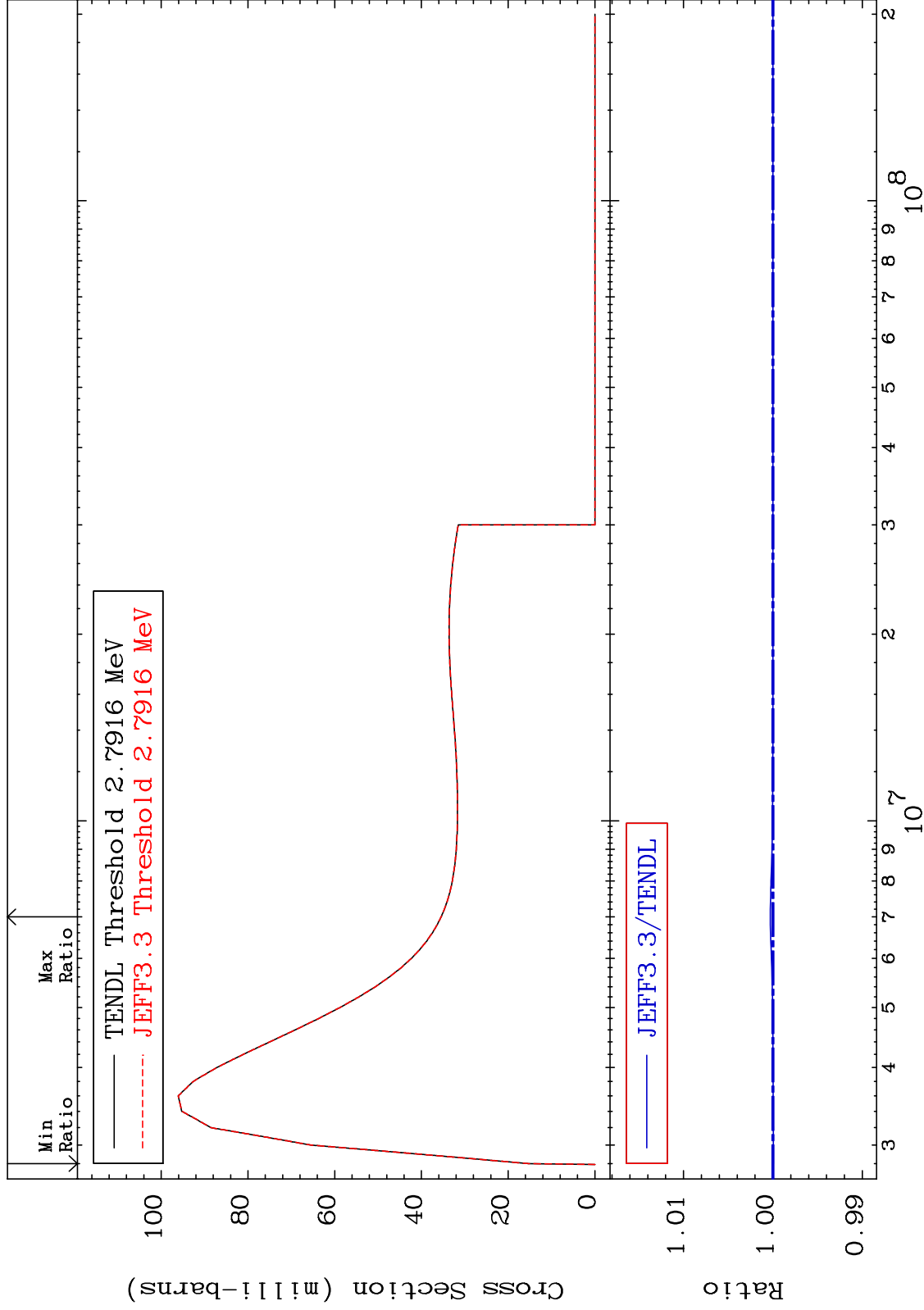
30-Zn-68  
-0.007 To 0.037 %



MAT 3037

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

30-Zn-68  
-0.006 To 0.029 %



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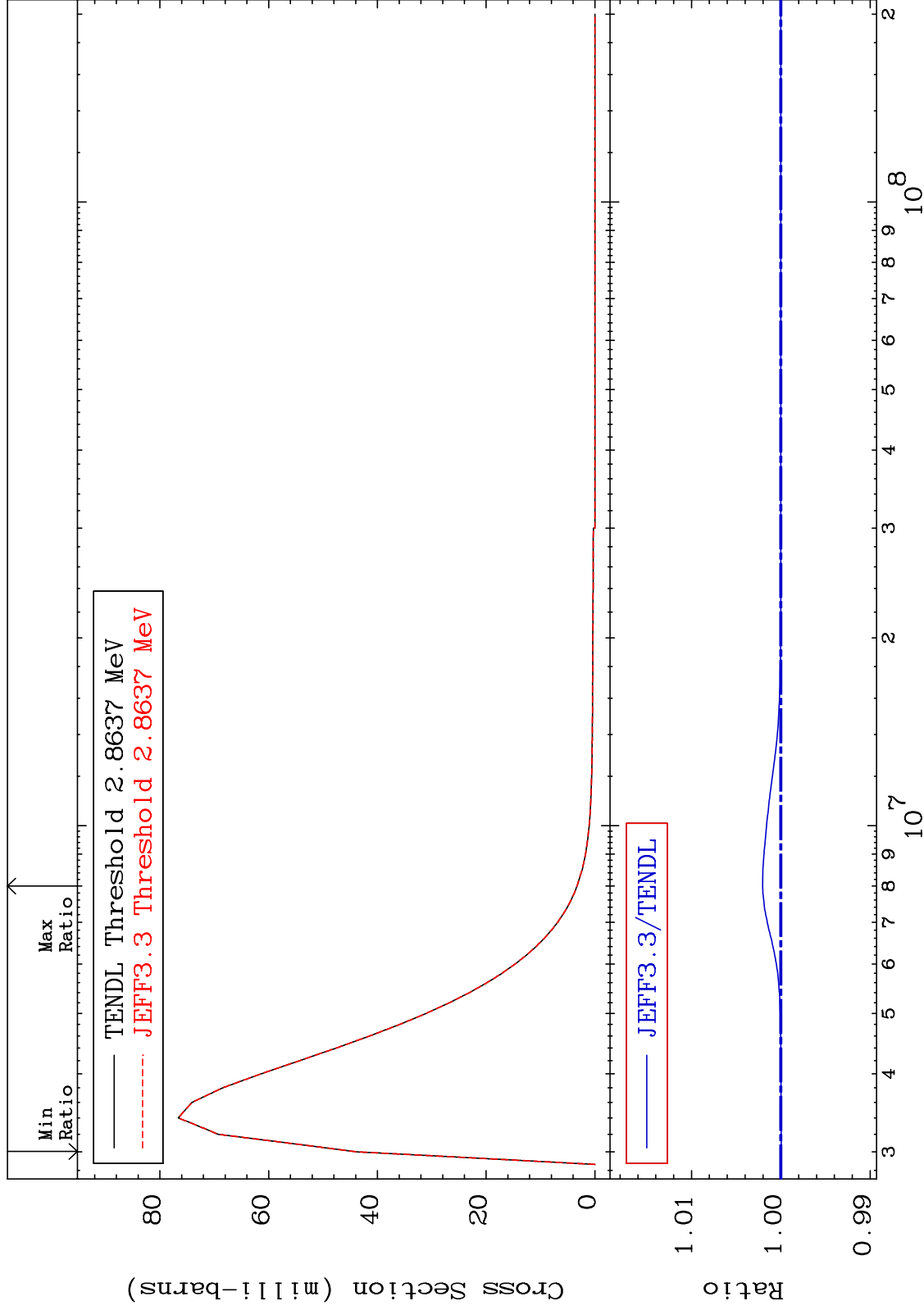
Incident Energy (eV)

30-Zn-68

MAT 3037

MT= 59 (n,n') Level  
Cross Section

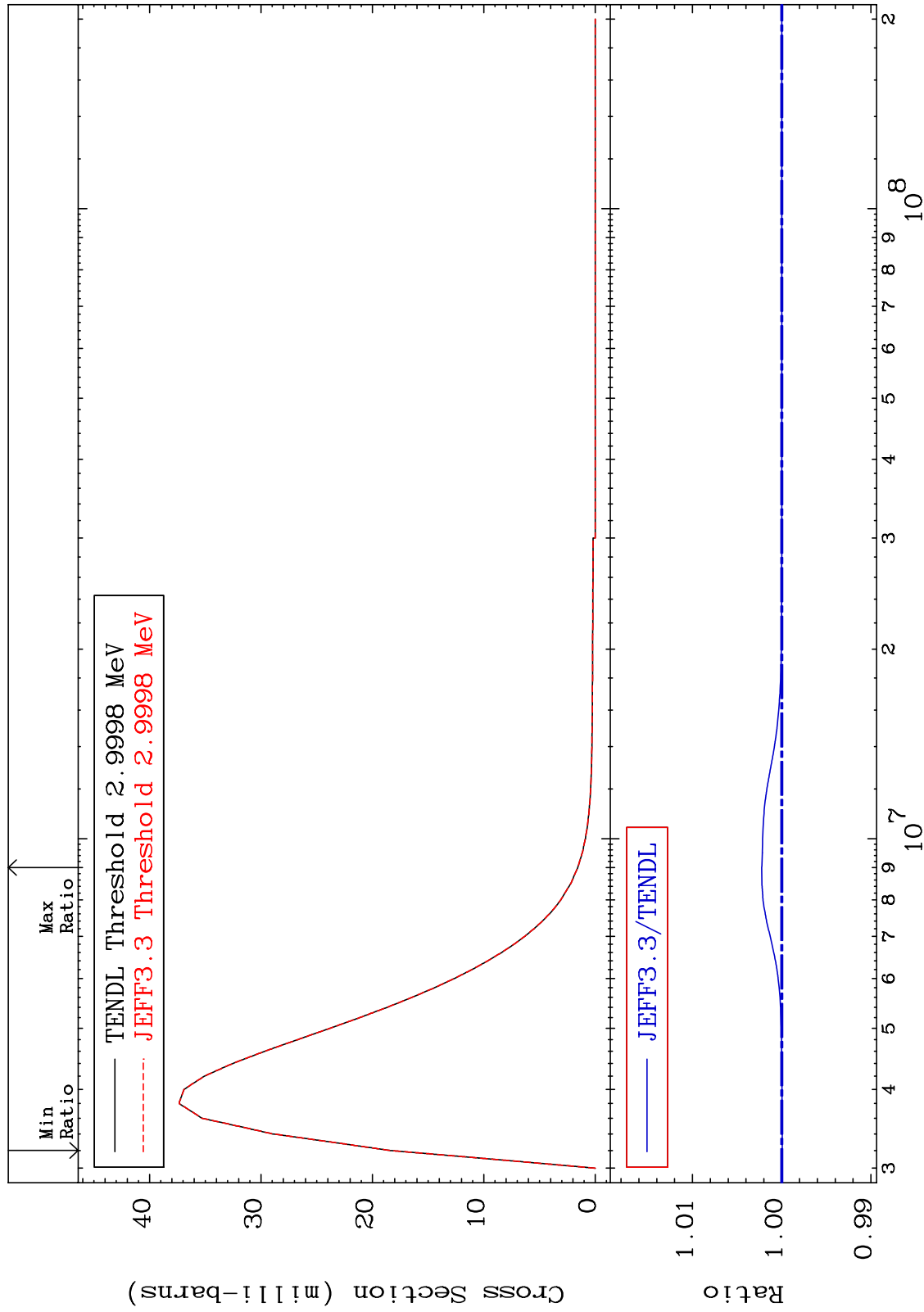
30-Zn-68  
-0.003 To 0.204 %



MAT 3037

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

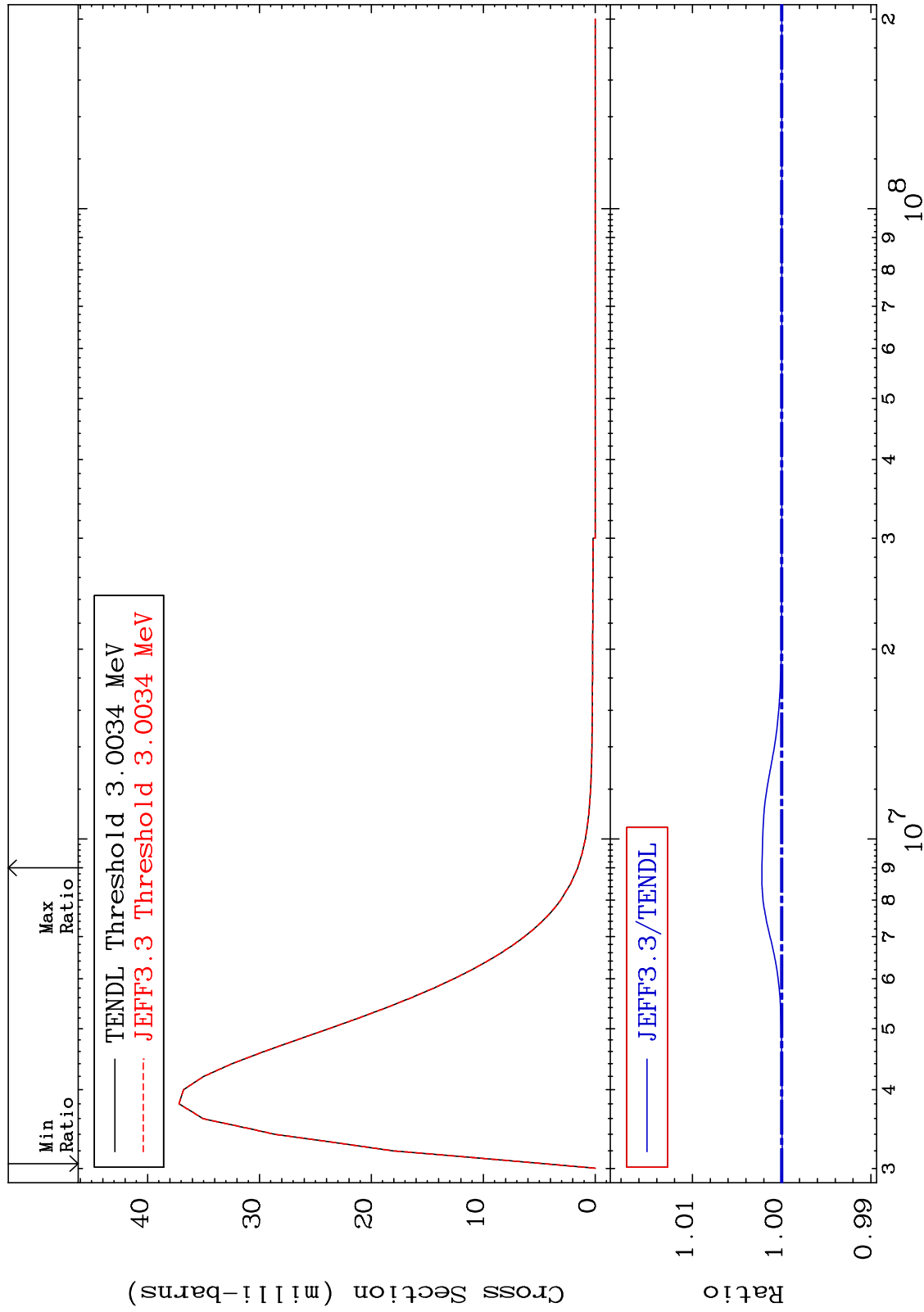
30-Zn-68  
-0.006 To 0.223 %



MAT 3037

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

30-Zn-68  
-0.006 To 0.223 %

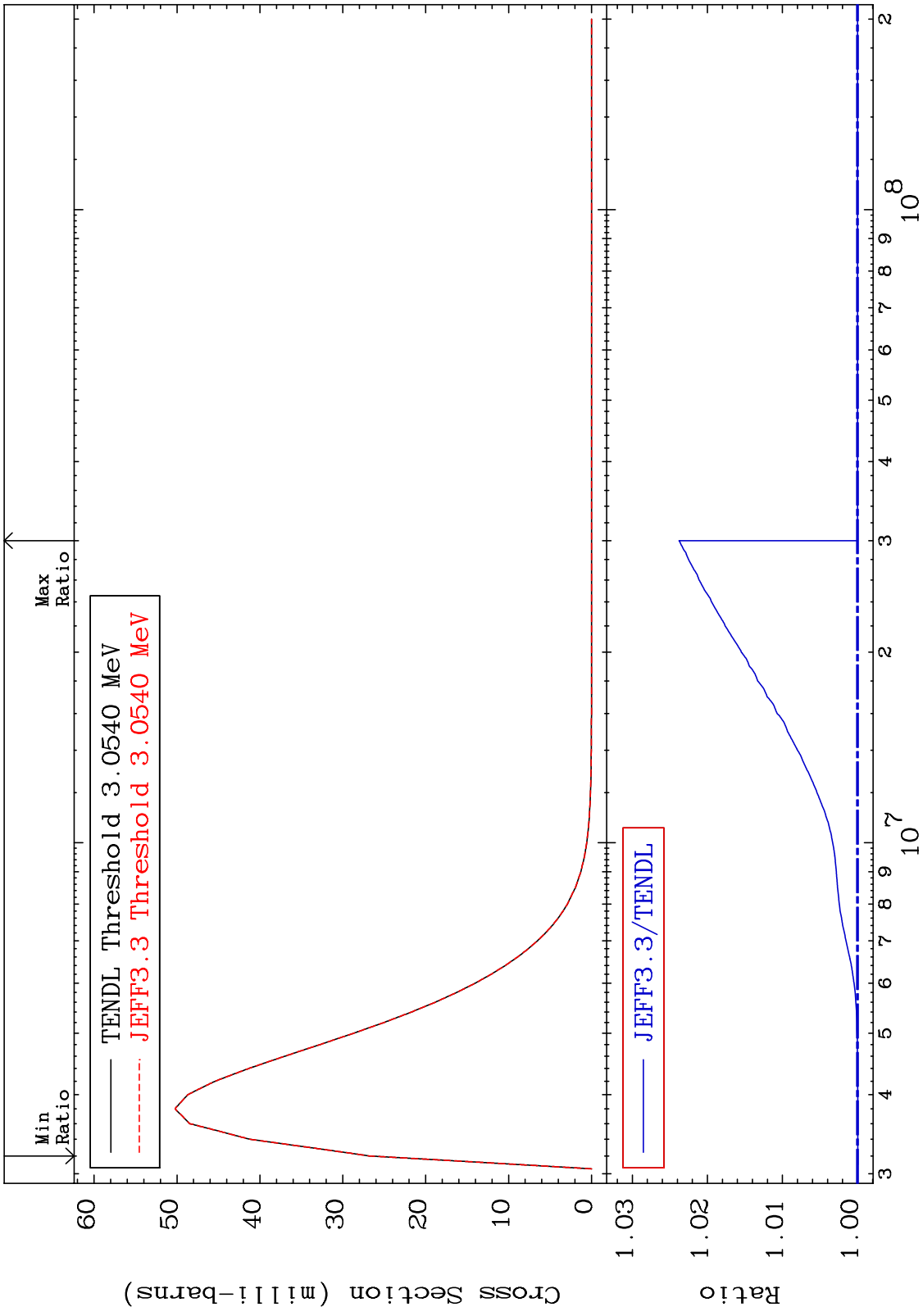


30

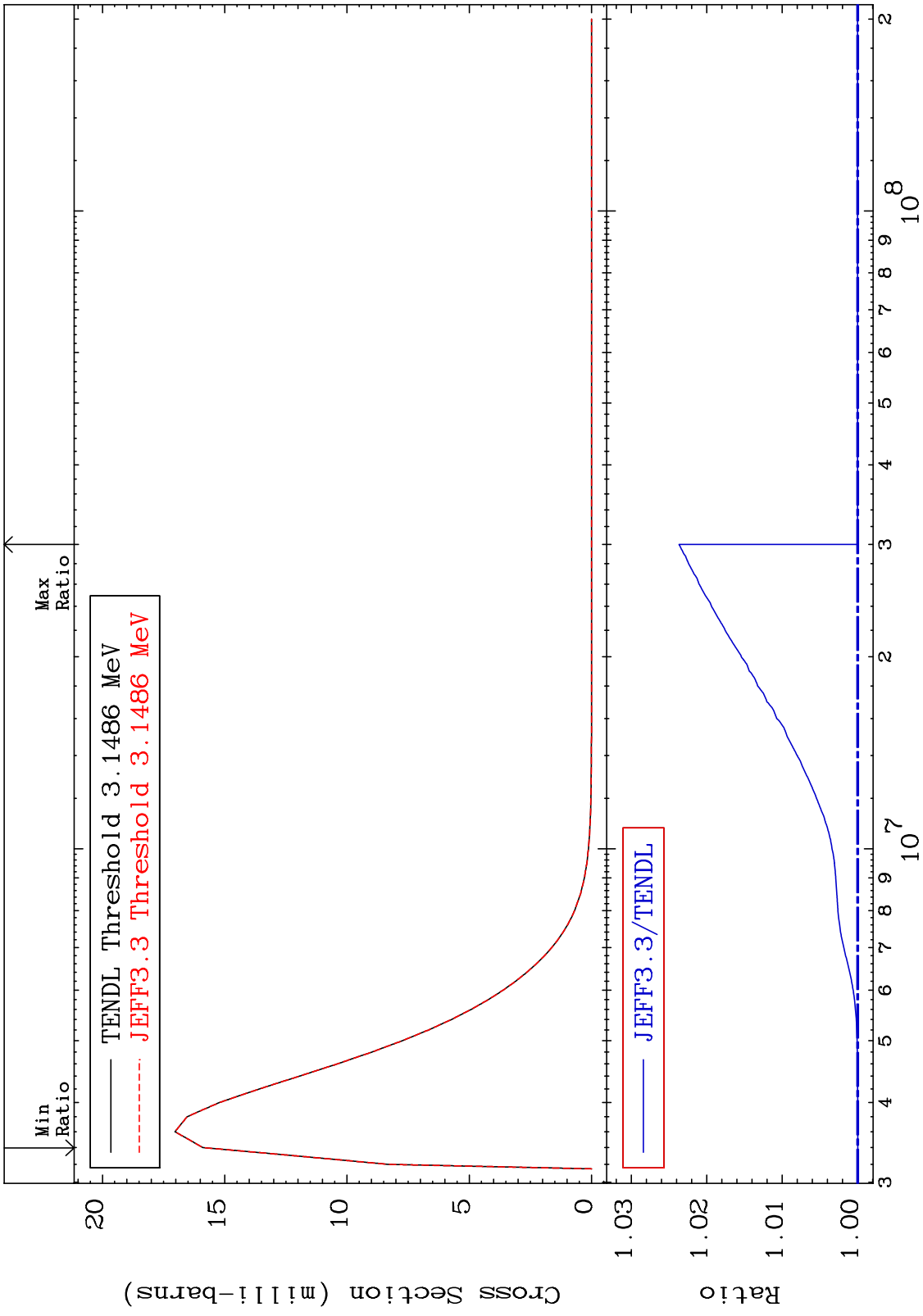
Incident Energy (eV)

30-Zn-68

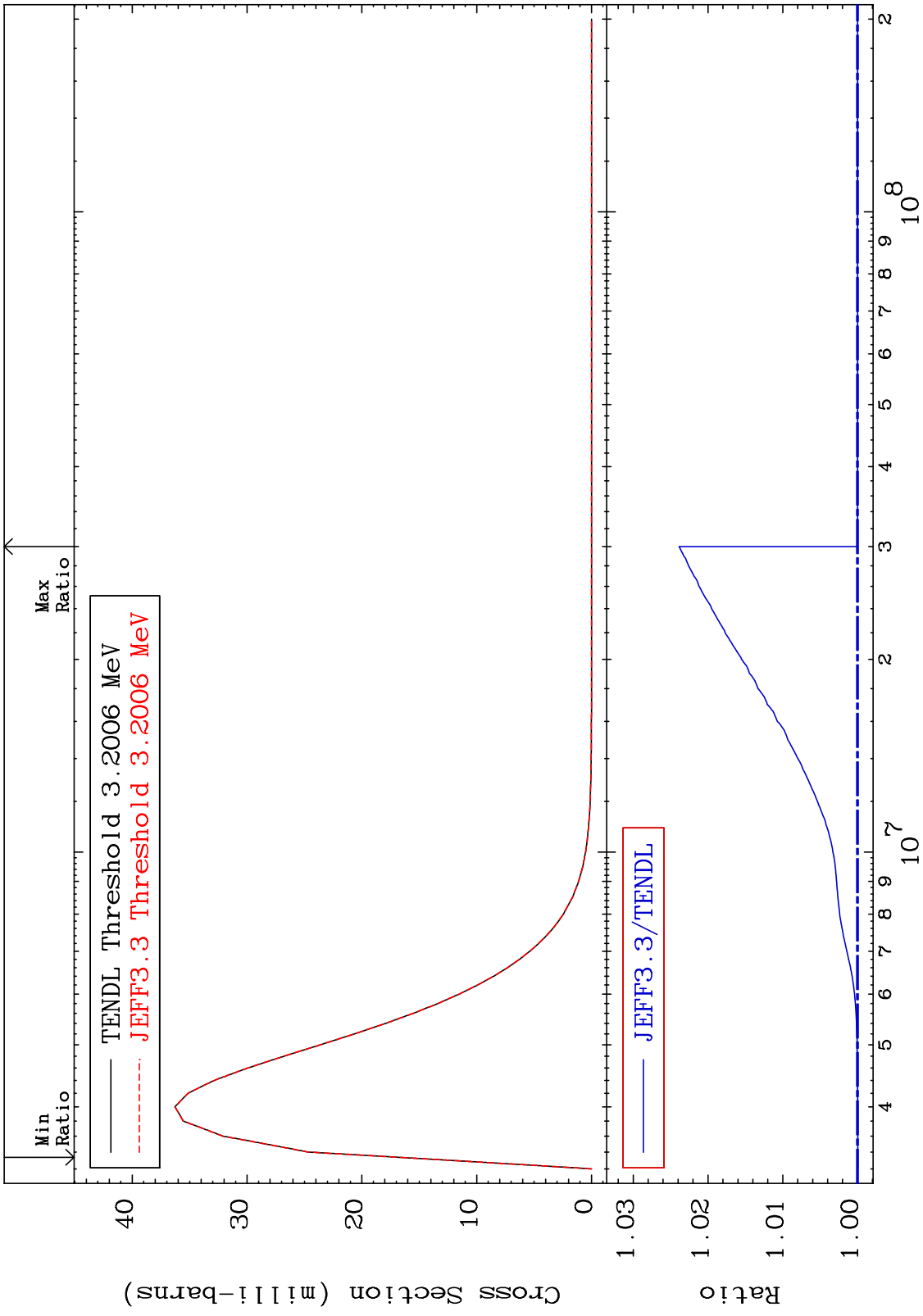
MAT 3037 MT= 62 (n, n') Level Cross Section -0.004 To 2.378 % 30-Zn-68



MAT 3037 MT= 63 (n,n') Level Cross Section -0.003 To 2.368 % 30-Zn-68



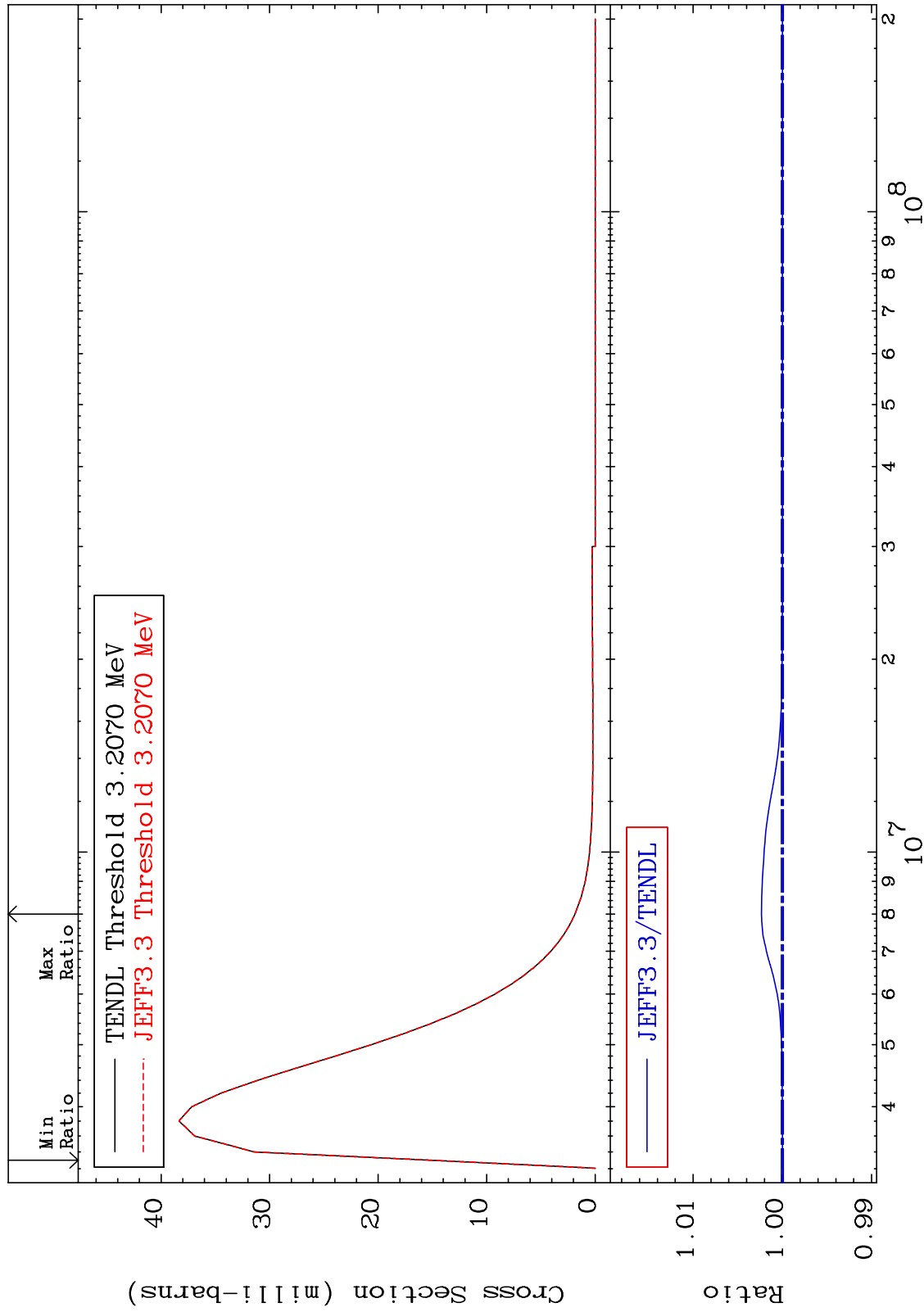
MAT 3037 MT= 64 (n,n') Level Cross Section -0.004 To 2.387 % 30-Zn-68



MAT 3037

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

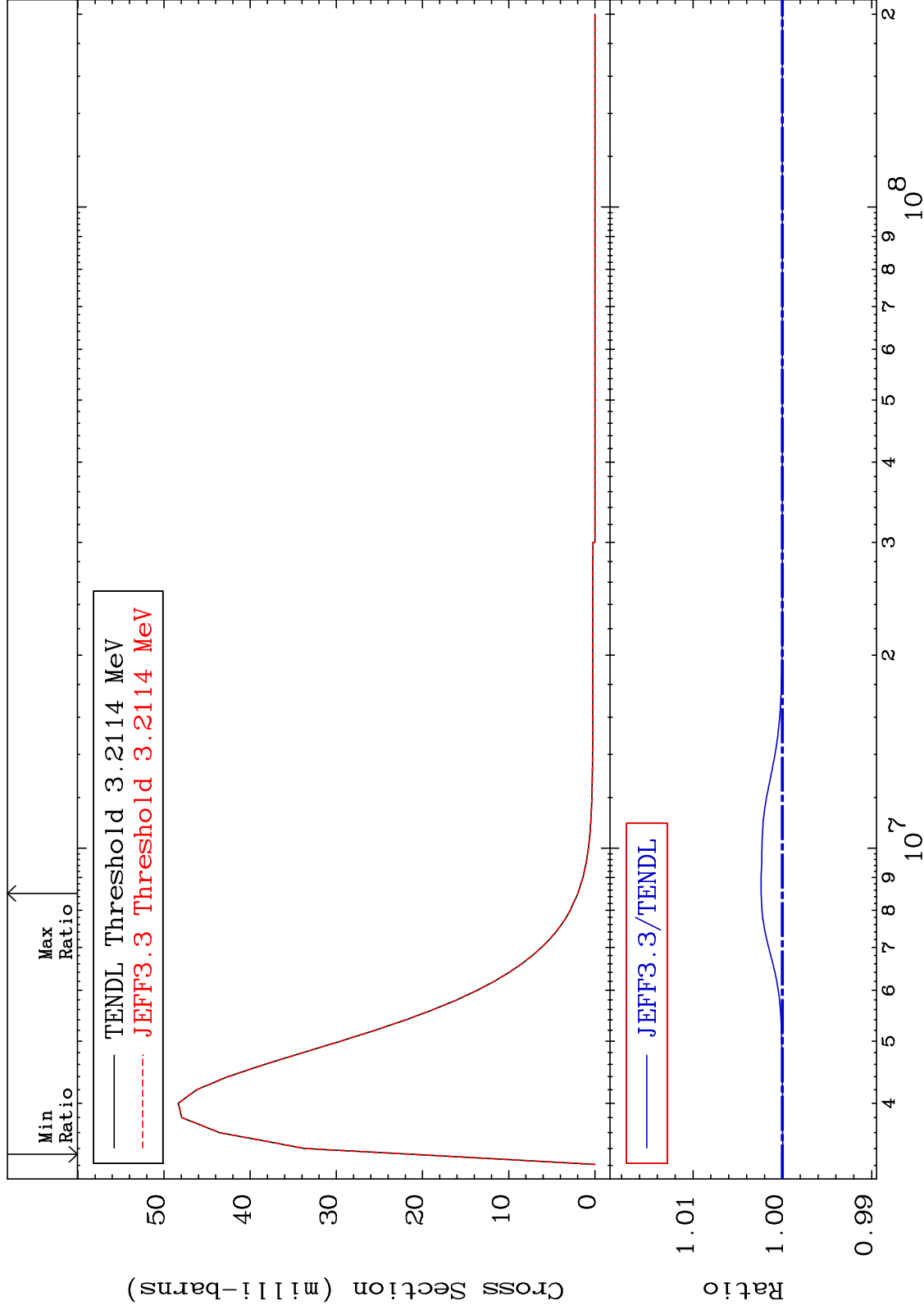
30-Zn-68  
-0.003 To 0.234 %



MAT 3037

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

30-Zn-68  
-0.003 To 0.238 %



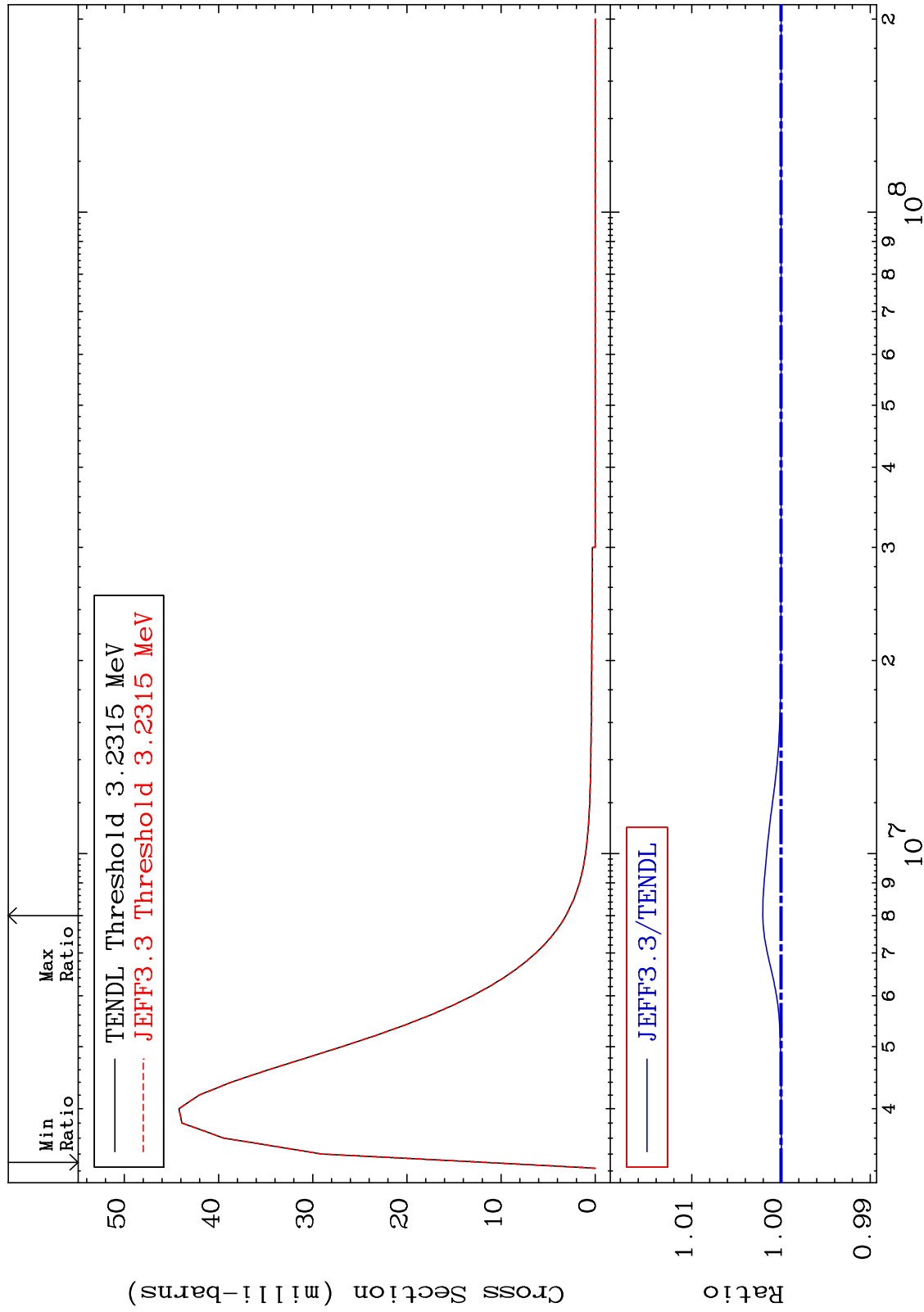
35

30-Zn-68

MAT 3037

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

30-Zn-68  
-0.003 To 0.205 %

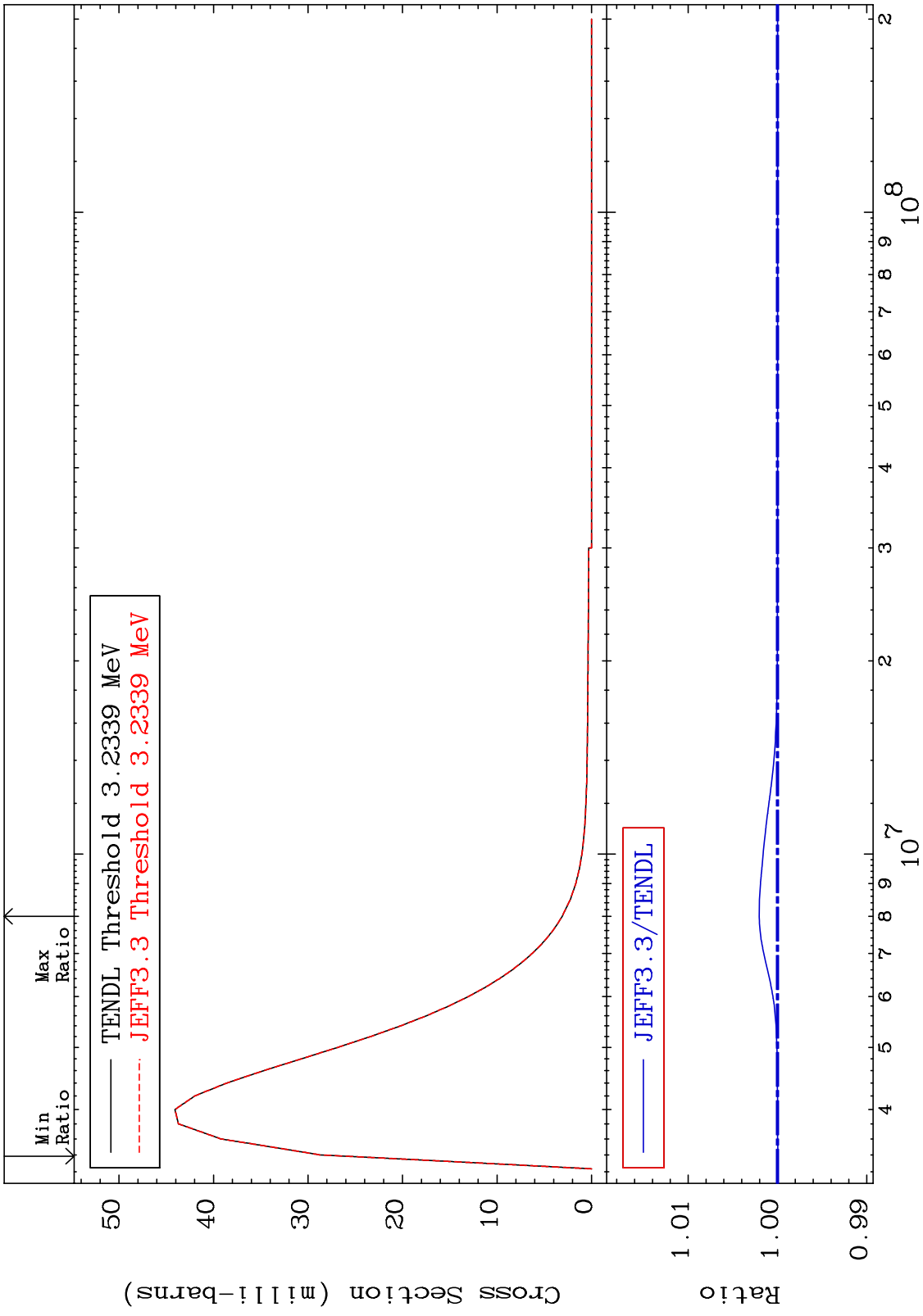


36

Incident Energy (eV)

30-Zn-68

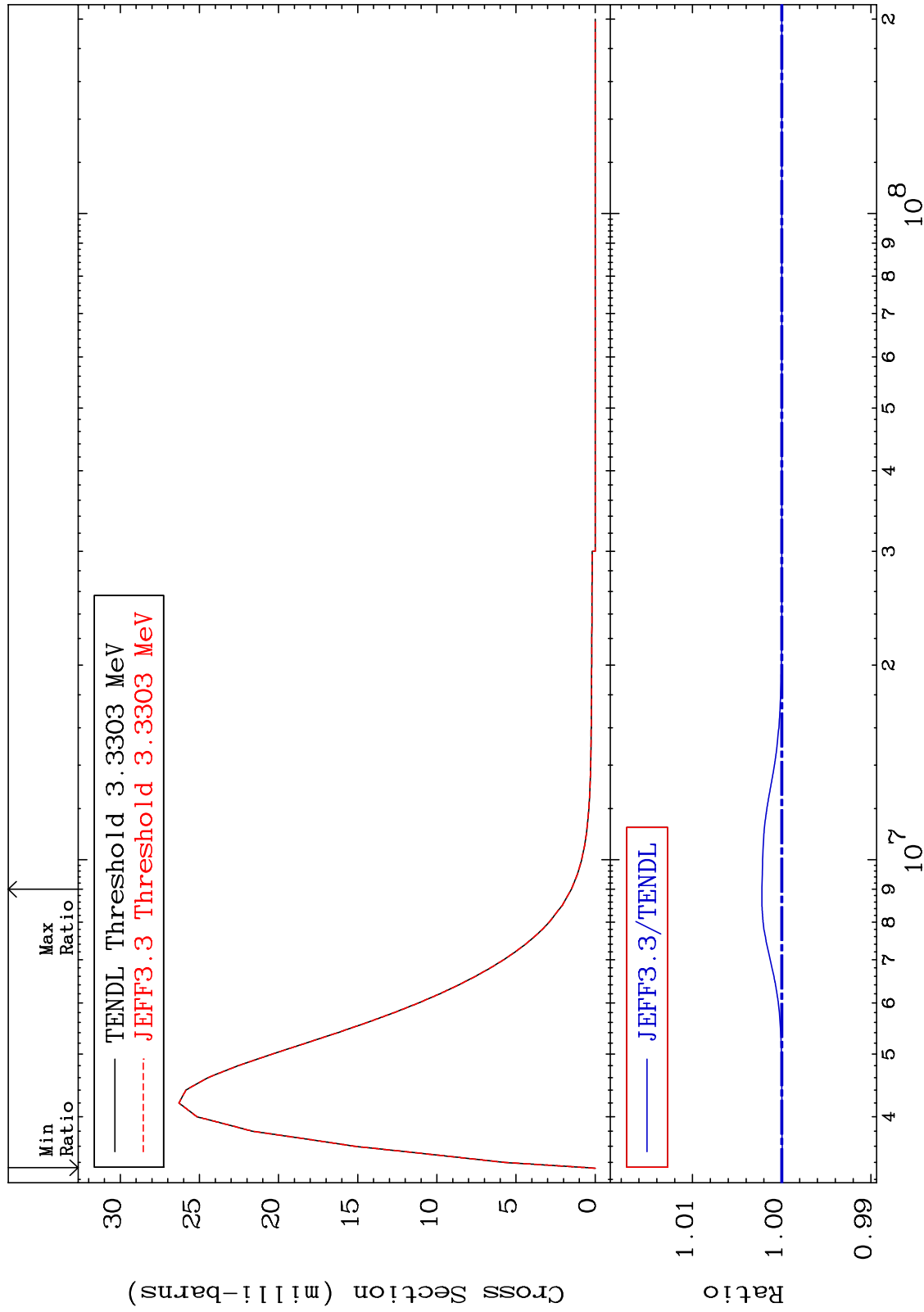
MAT 3037 MT= 68 (n,n') Level Cross Section 30-Zn-68  
 -0.003 To 0.205 %



MAT 3037

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

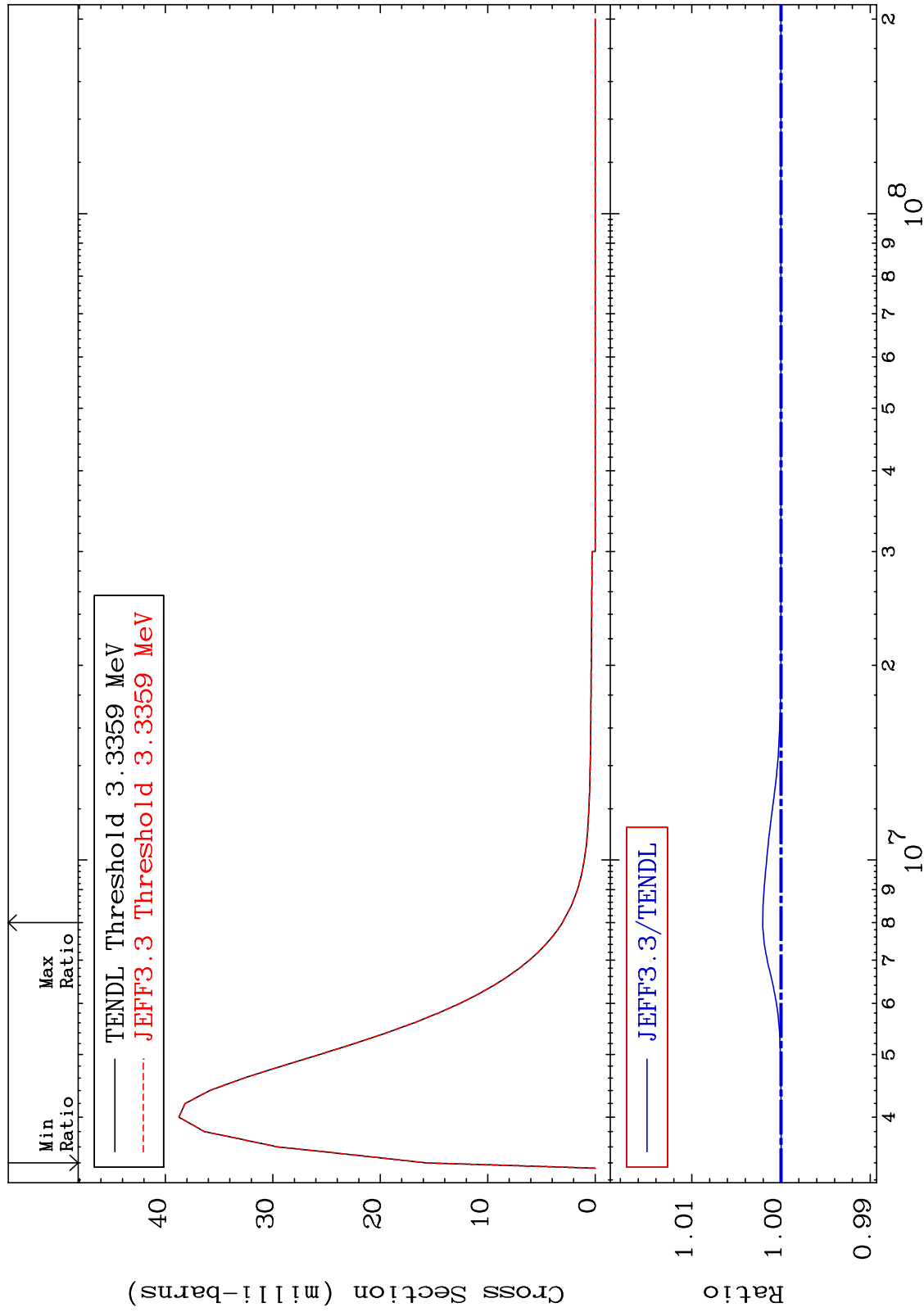
30-Zn-68  
-0.005 To 0.224 %



MAT 3037

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

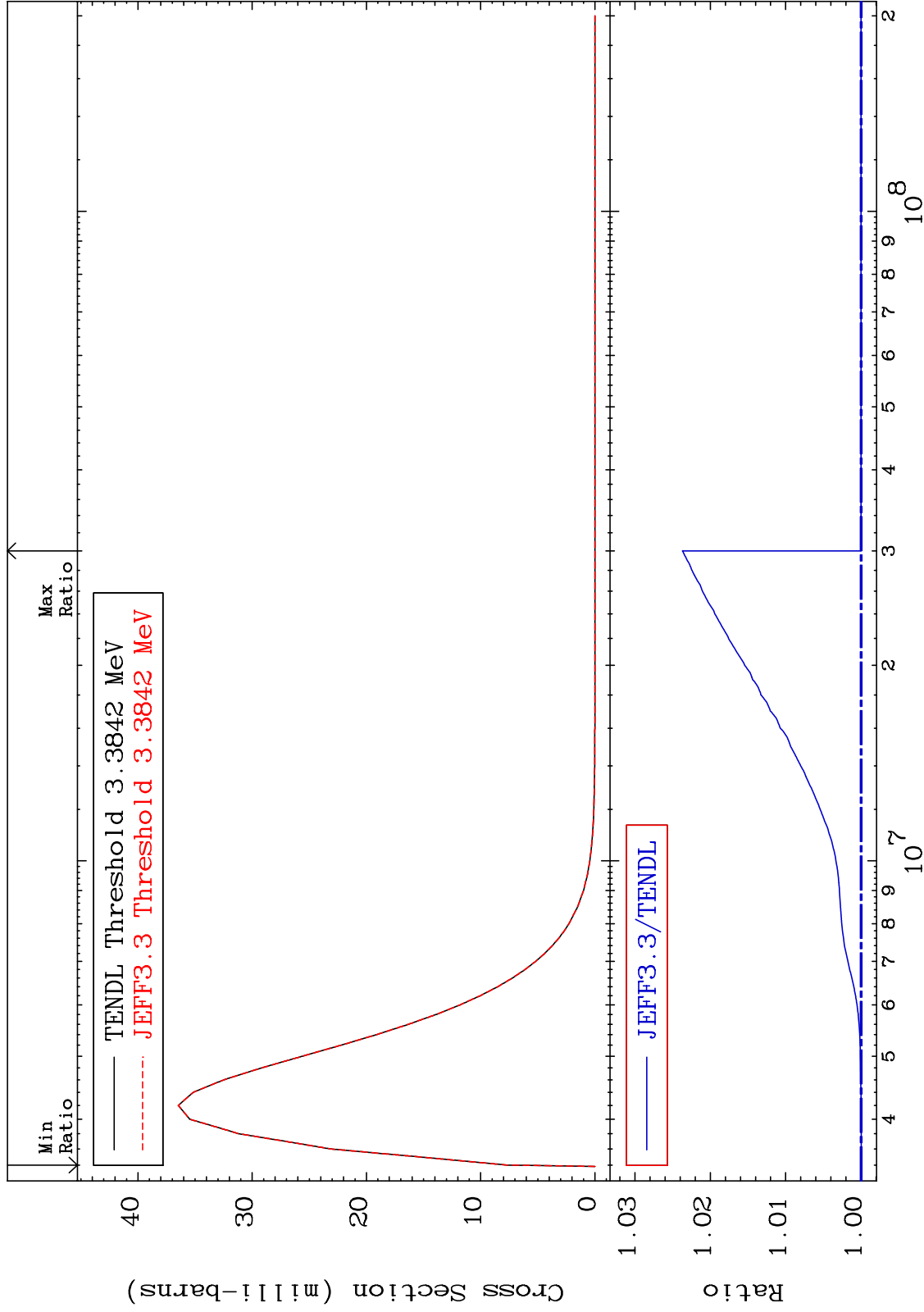
30-Zn-68  
-0.003 To 0.205 %



MAT 3037

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

30-Zn-68  
-0.003 To 2.369 %

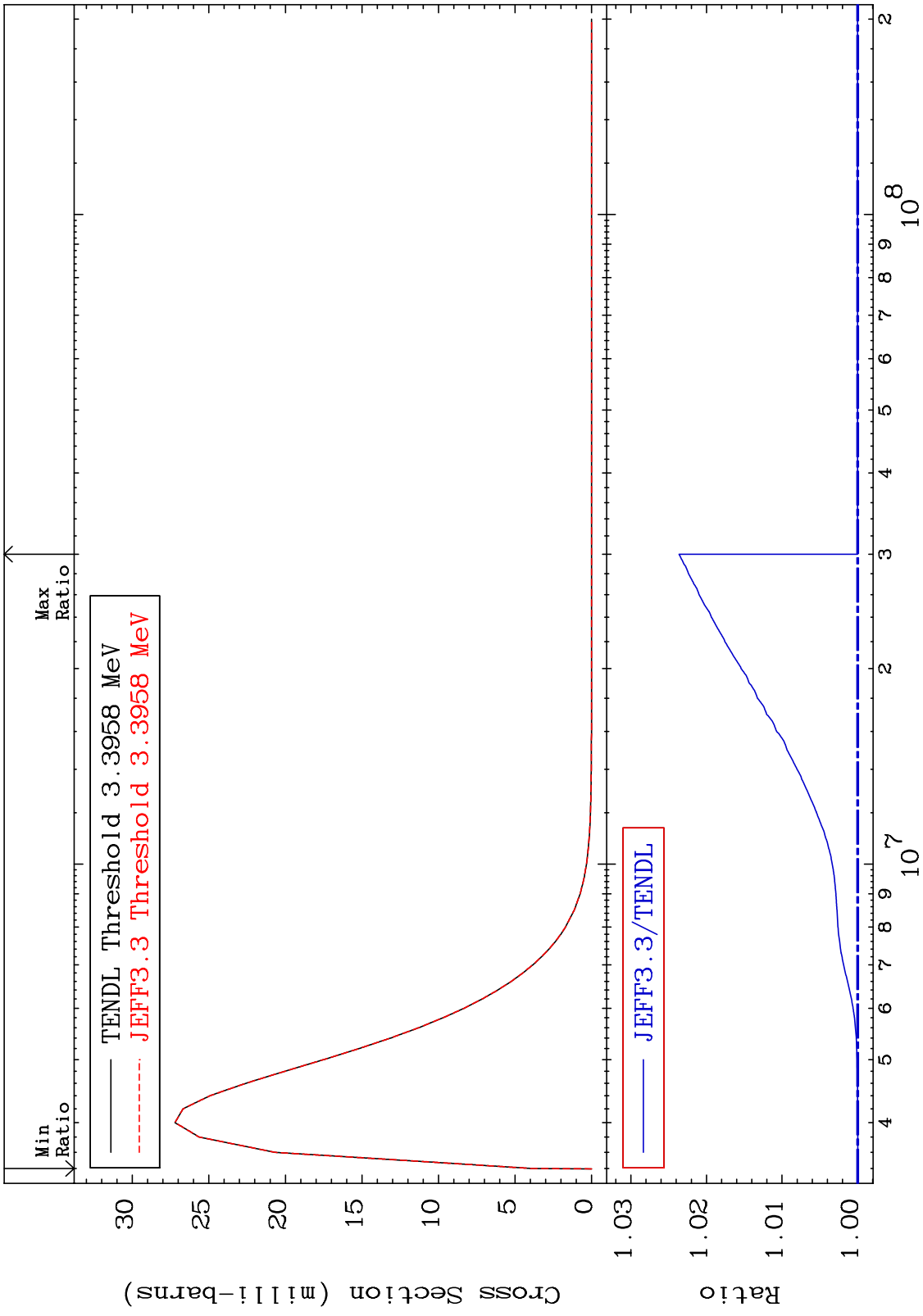


40

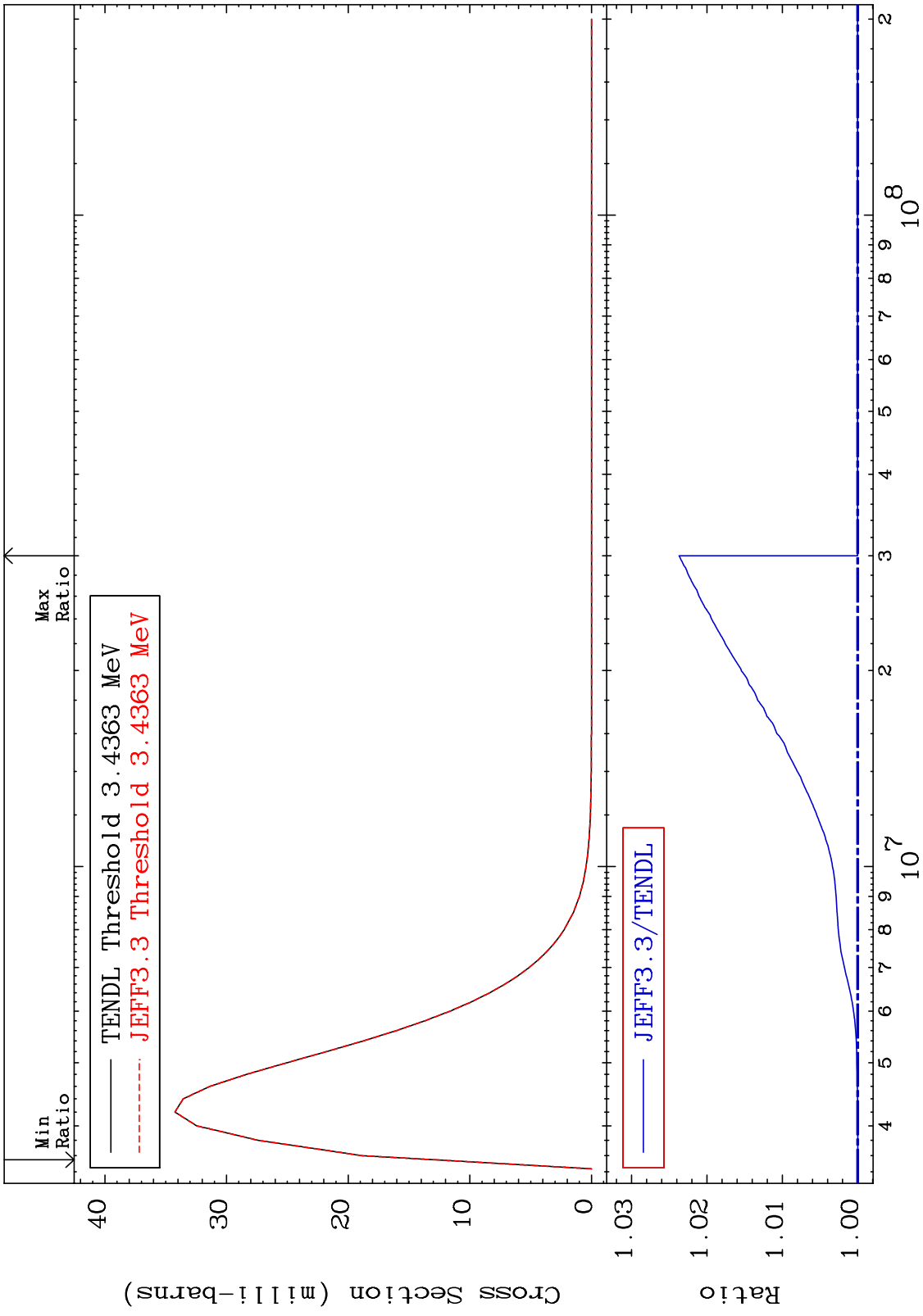
Incident Energy (eV)

30-Zn-68

MAT 3037 MT= 72 (n,n') Level Cross Section 30-Zn-68 -0.003 To 2.363 %



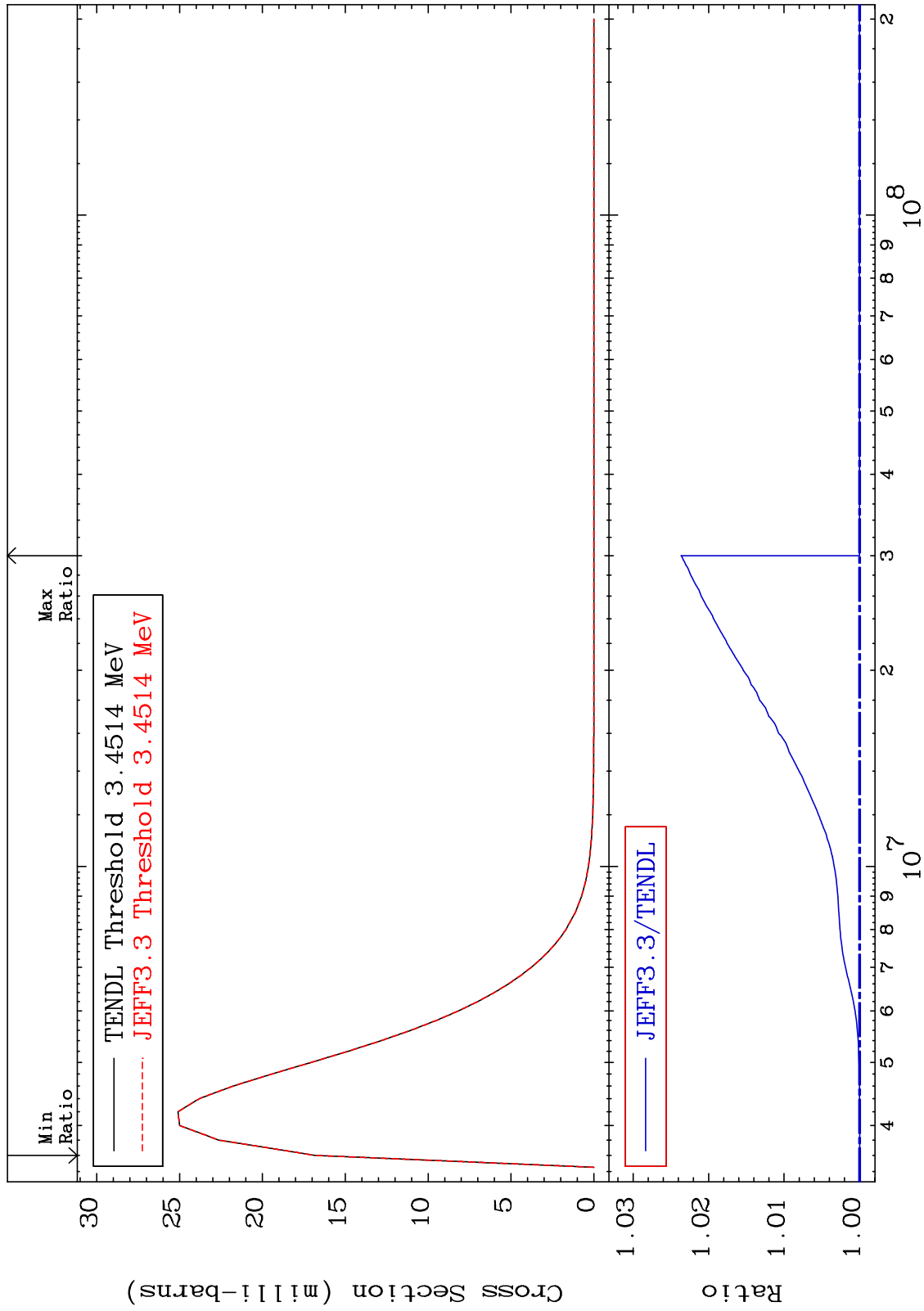
MAT 3037 MT= 73 (n,n') Level Cross Section 30-Zn-68  
 -0.002 To 2.369 %



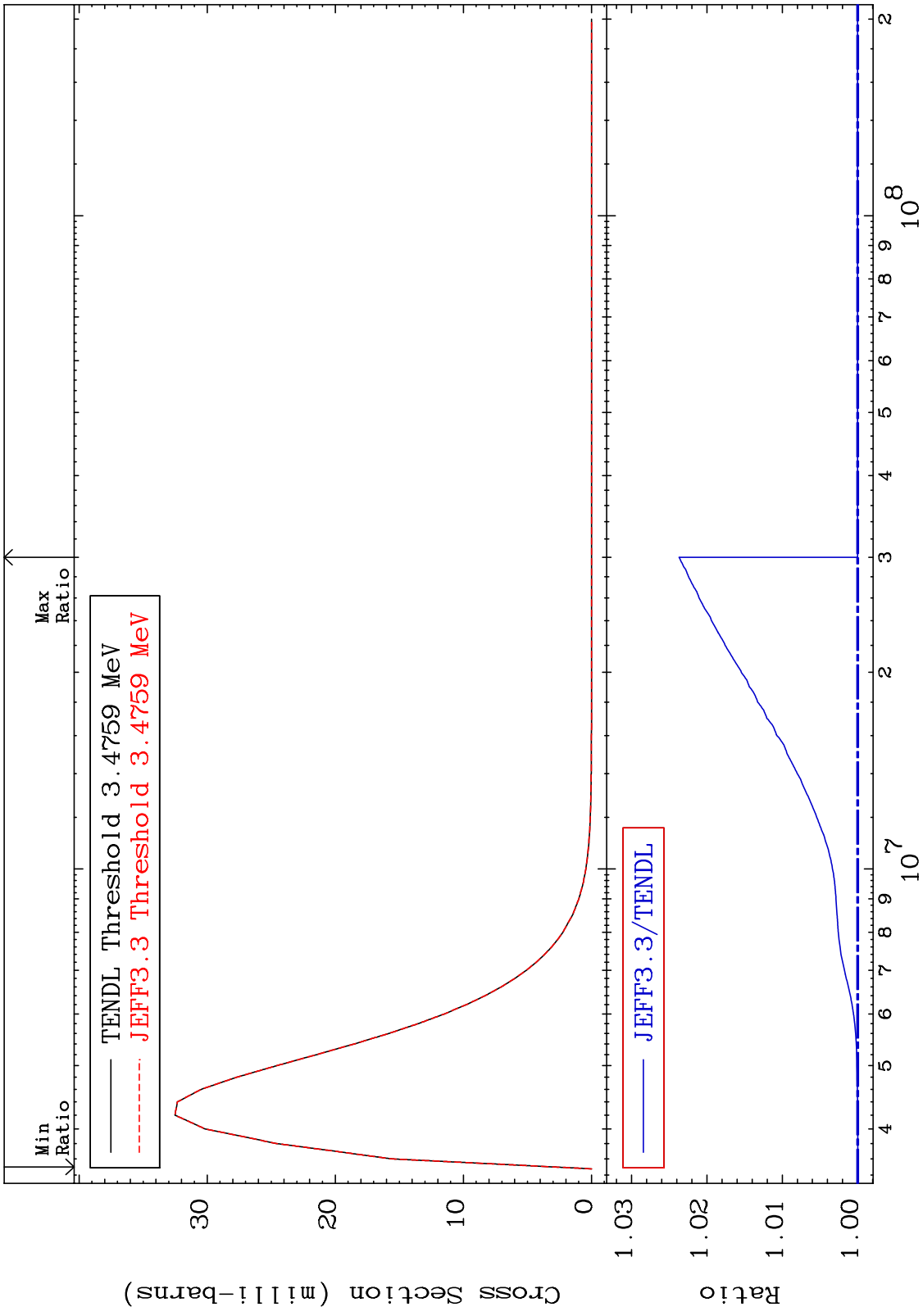
MAT 3037

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

30-Zn-68  
-0.002 To 2.362 %



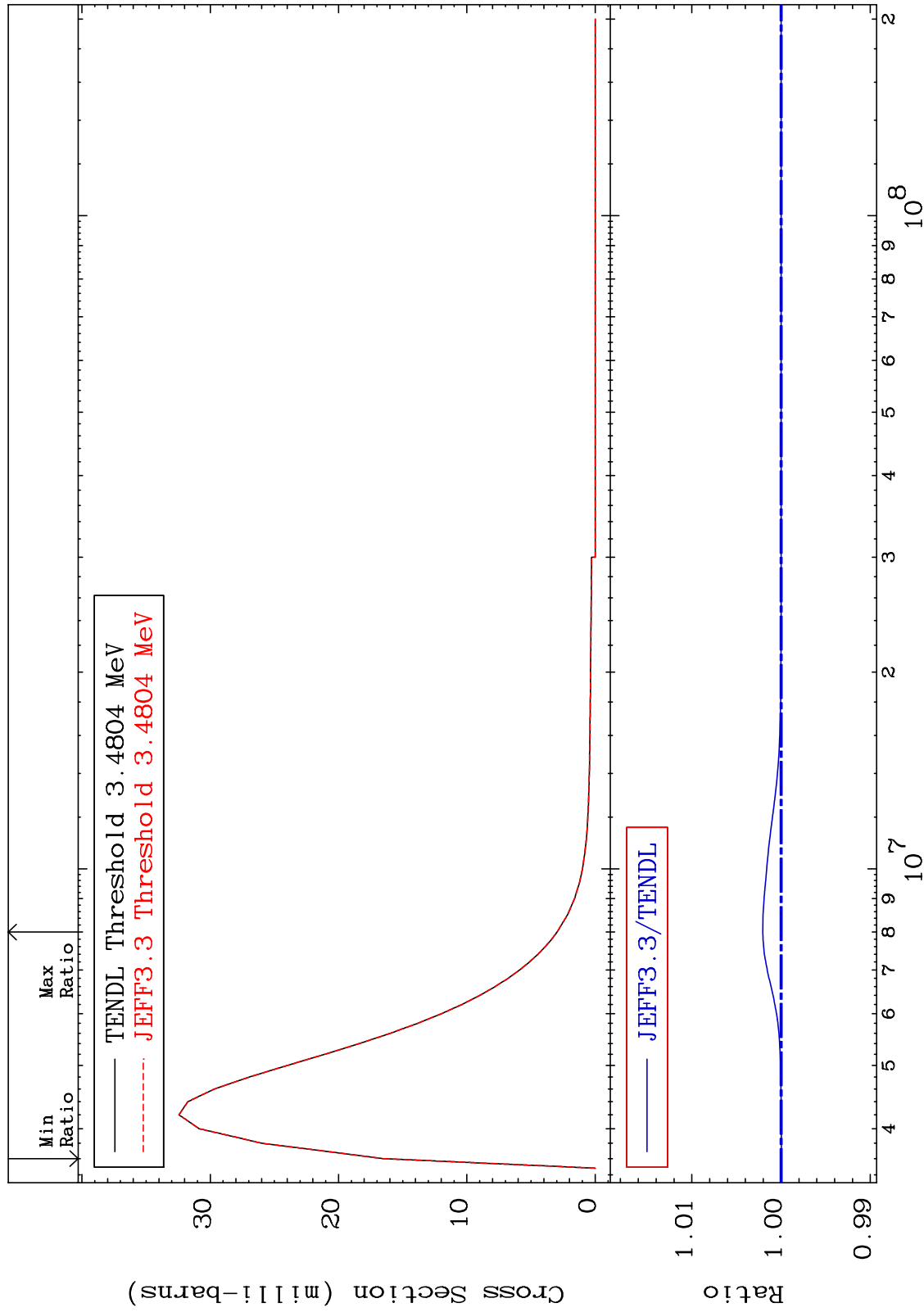
MAT 3037 MT= 75 (n,n') Level Cross Section -0.003 To 2.370 % 30-Zn-68



MAT 3037

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

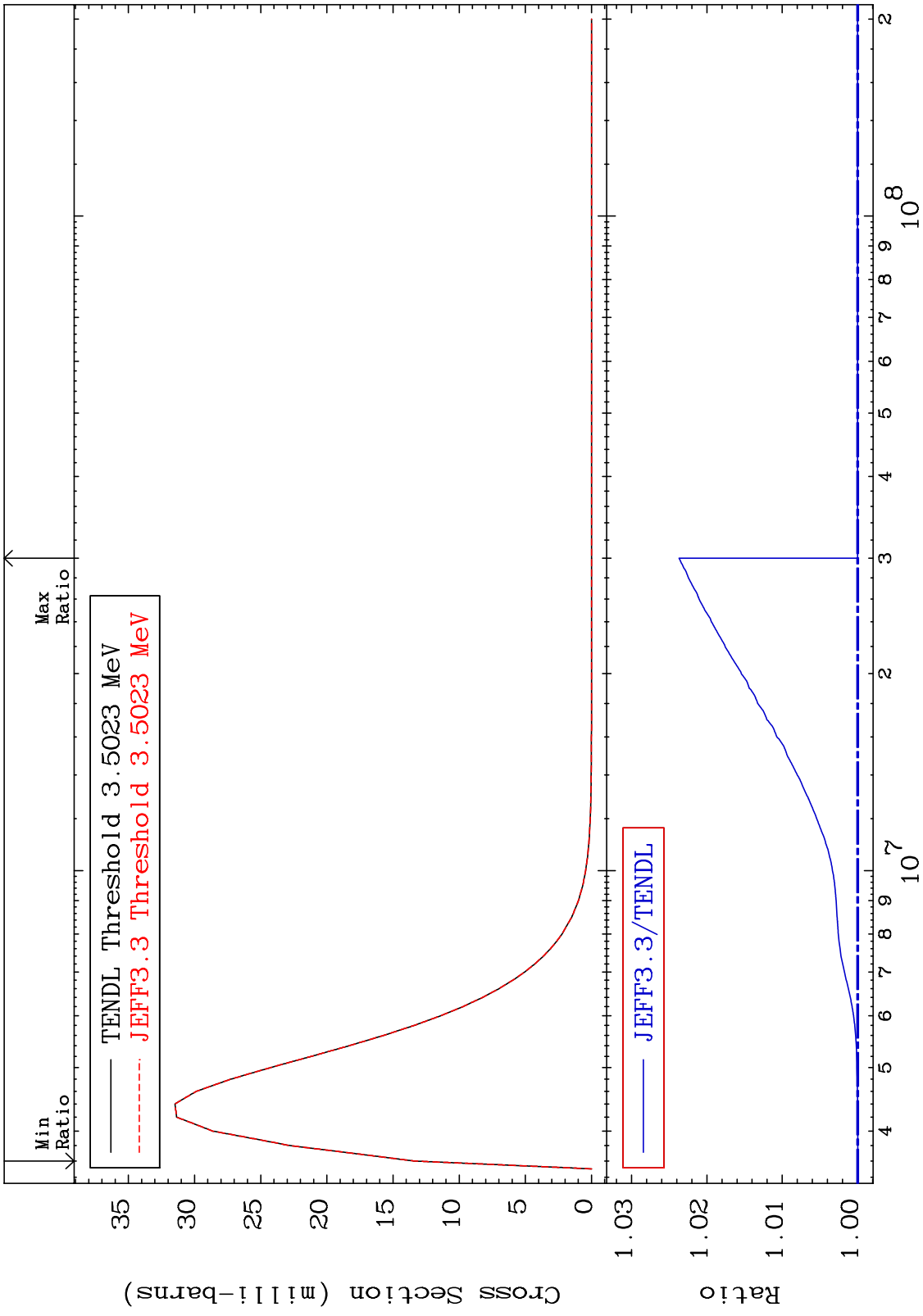
30-Zn-68  
-0.002 To 0.206 %



45

30-Zn-68

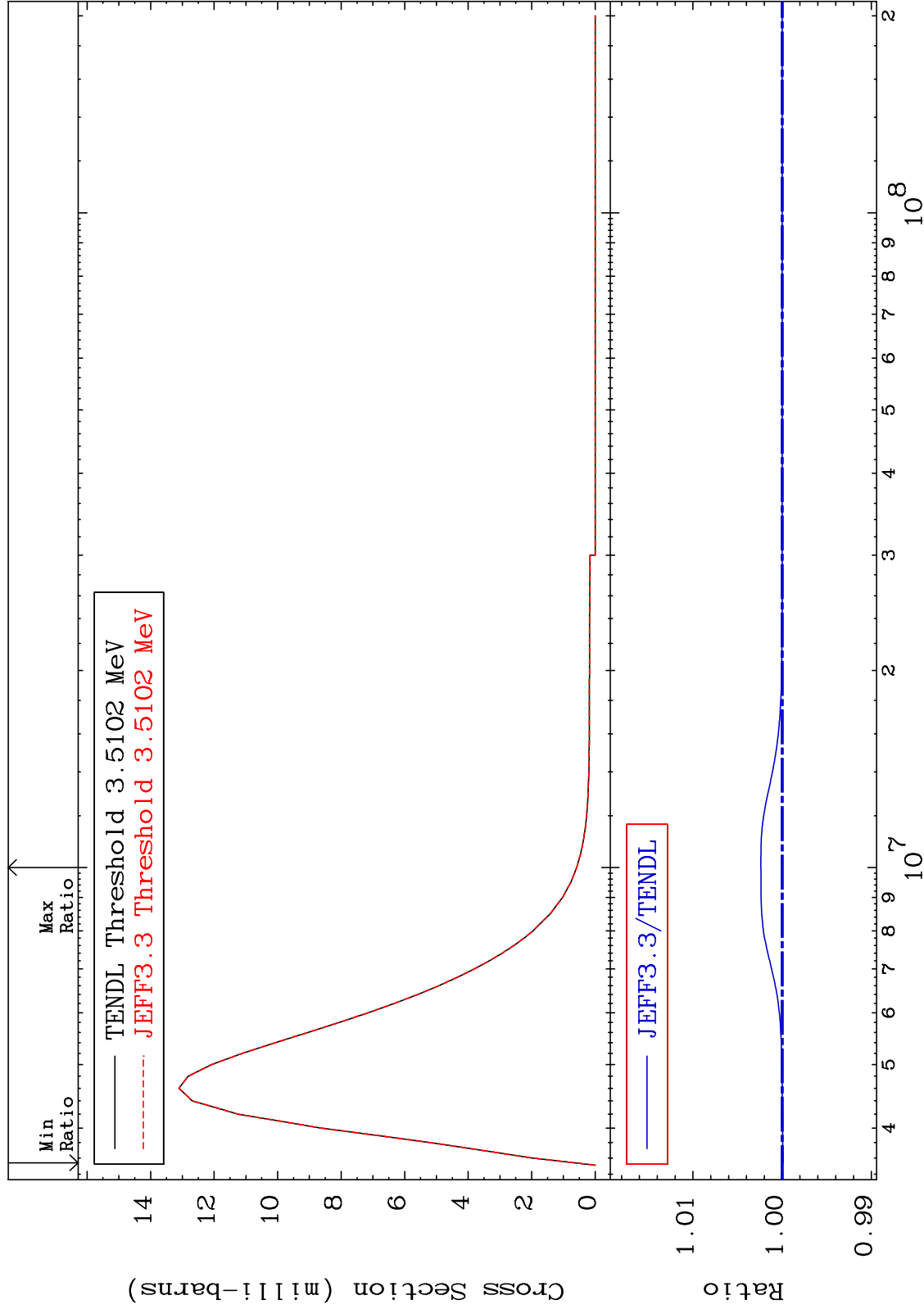
MAT 3037 MT= 77 (n,n') Level Cross Section 30-Zn-68  
 -0.002 To 2.369 %



MAT 3037

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

30-Zn-68  
-0.011 To 0.239 %



47

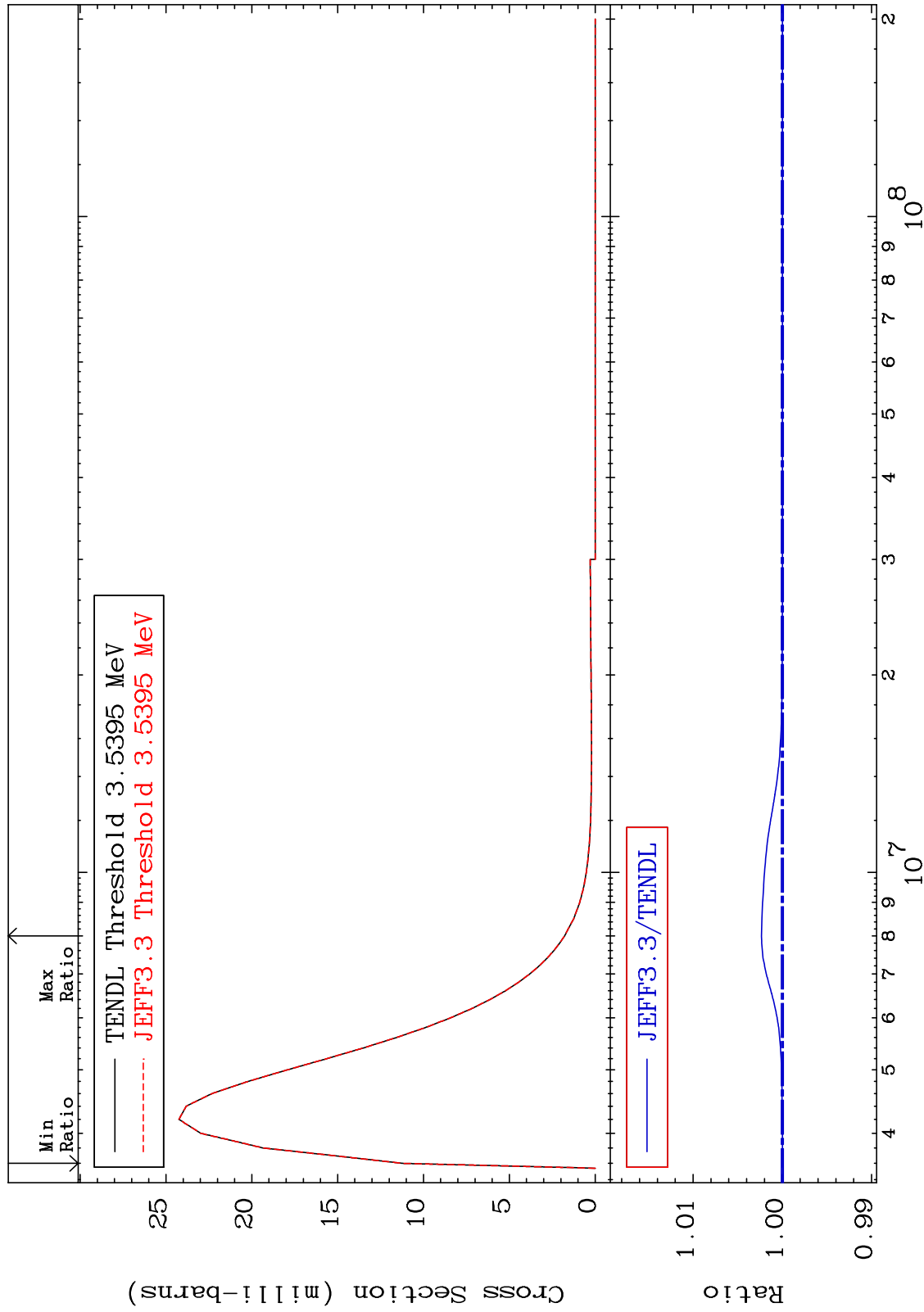
Incident Energy (eV)

30-Zn-68

MAT 3037

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

30-Zn-68  
-0.002 To 0.233 %



48

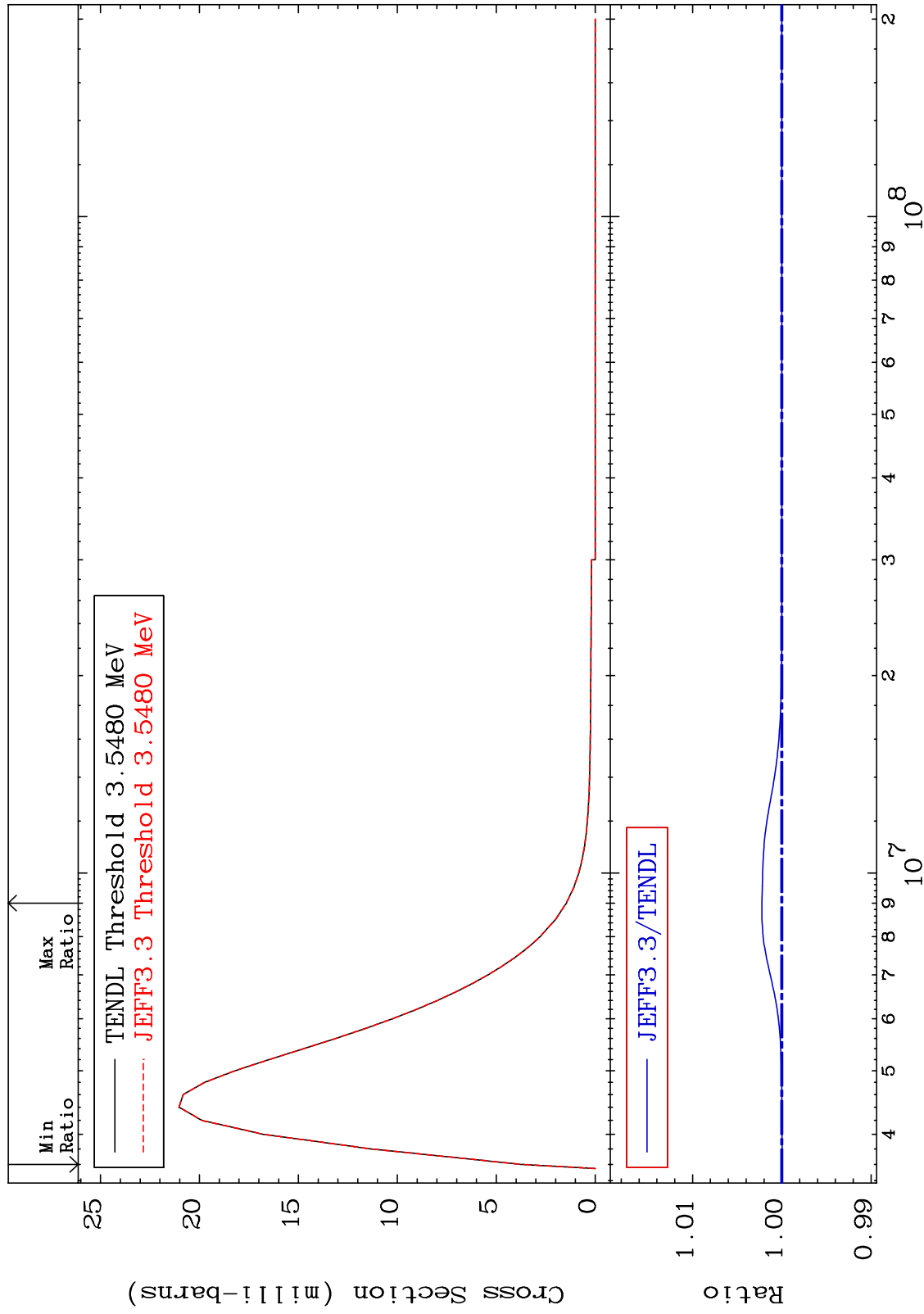
Incident Energy (eV)

30-Zn-68

MAT 3037

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

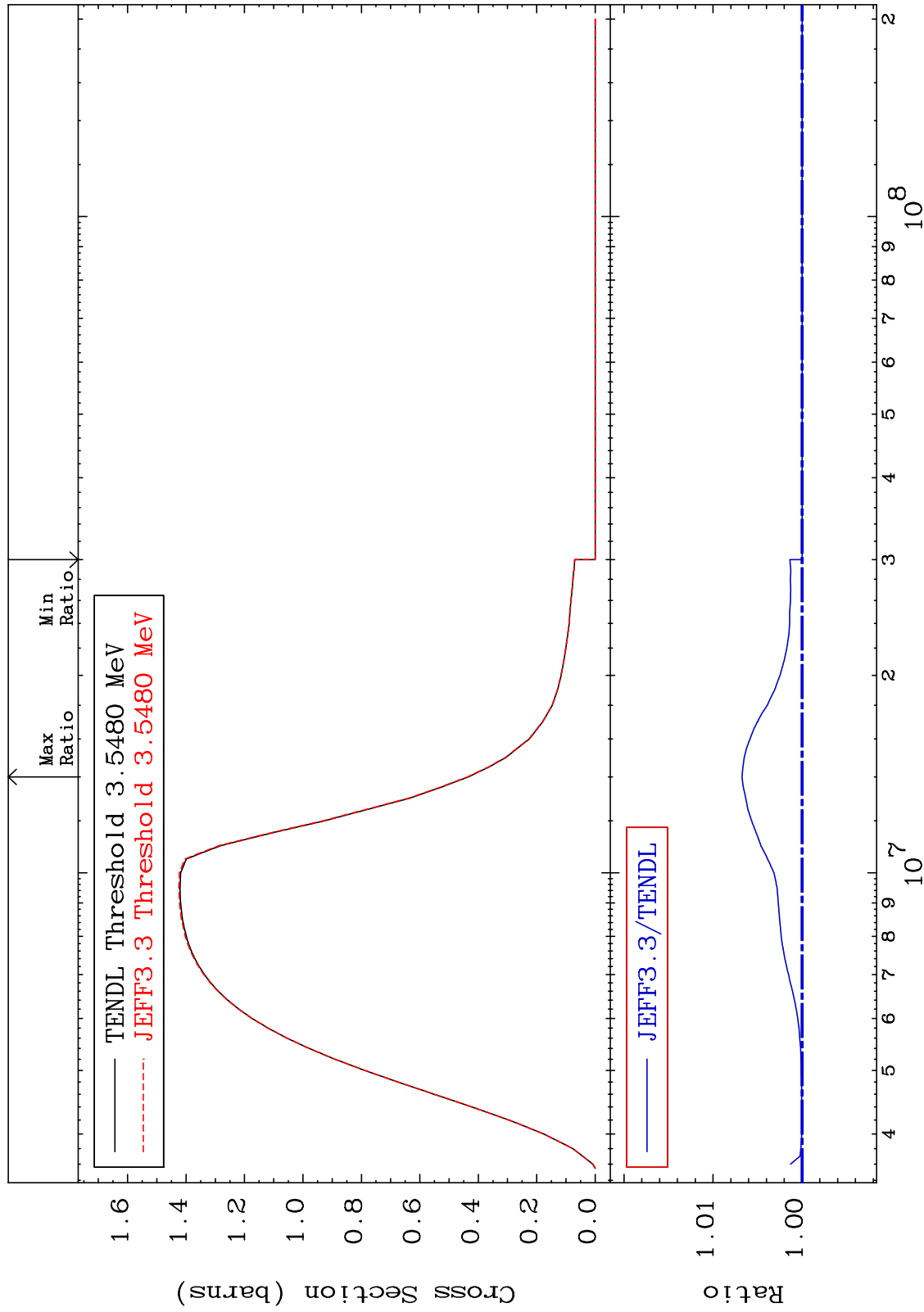
30-Zn-68  
-0.004 To 0.224 %



MAT 3037

(n, n') Continuum  
Cross Section

30-Zn-68  
To 0.675 %



50

Incident Energy (eV)

30-Zn-68

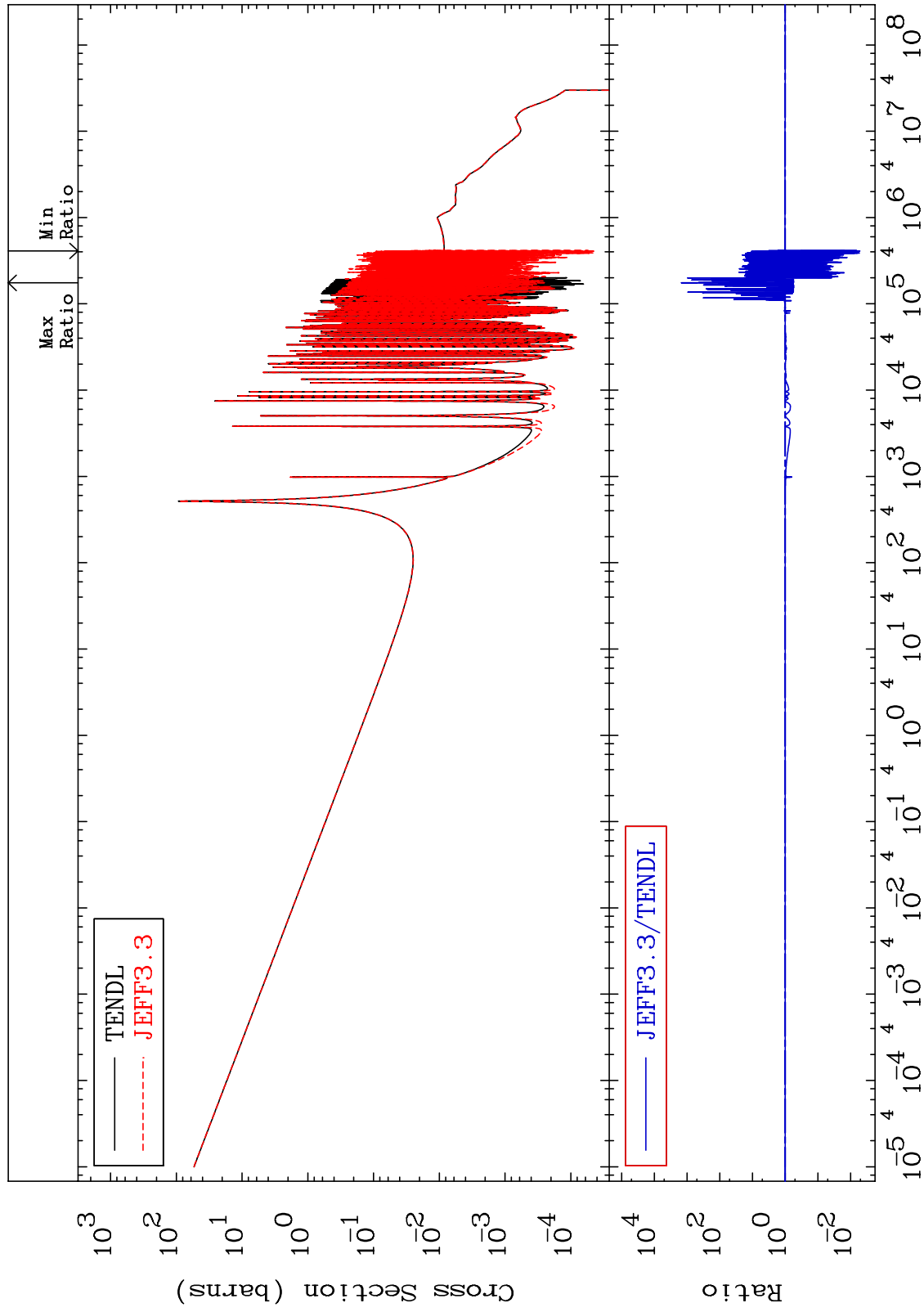
MAT 3037

(n,  $\gamma$ )

30-Zn-68

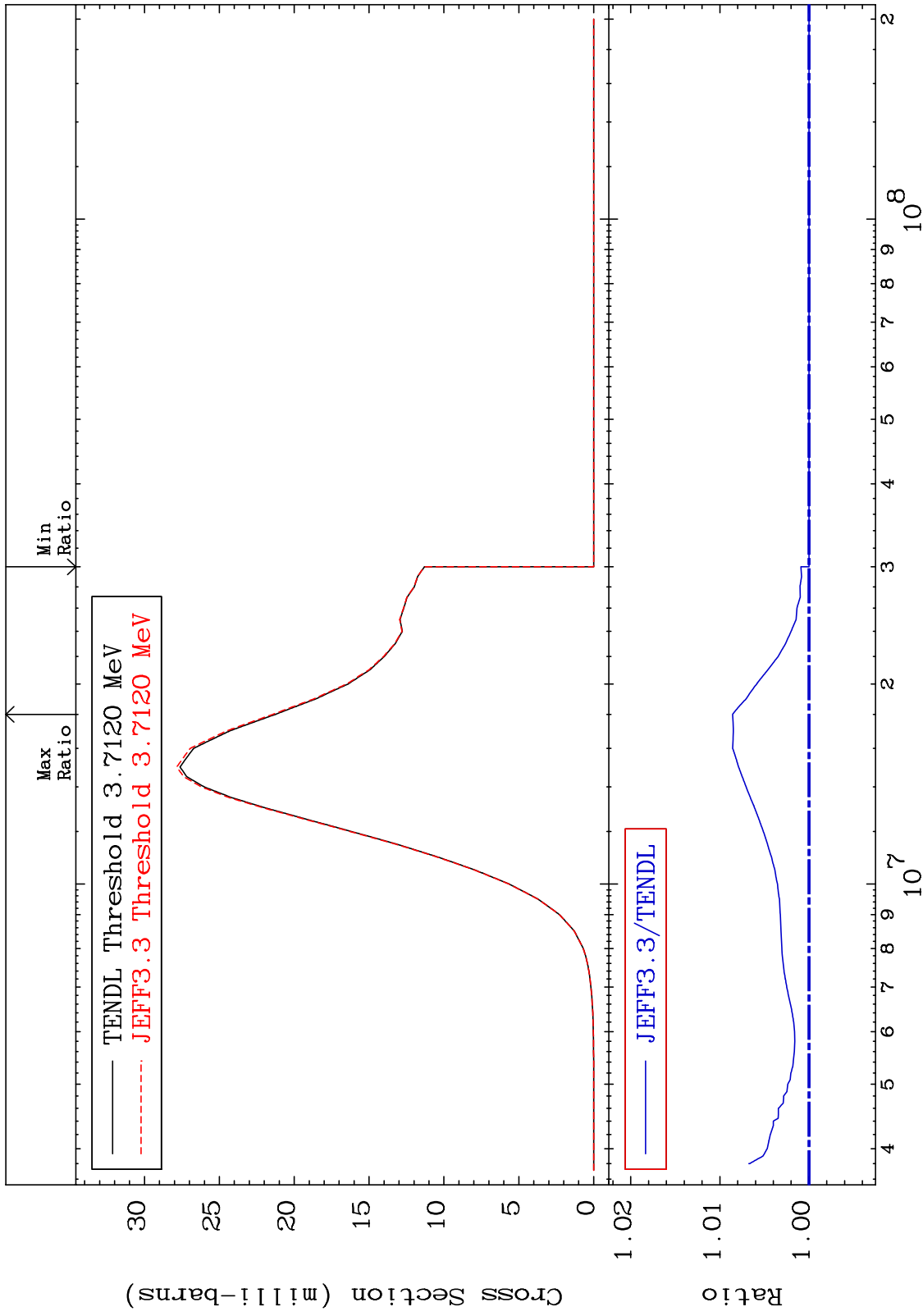
Cross Section

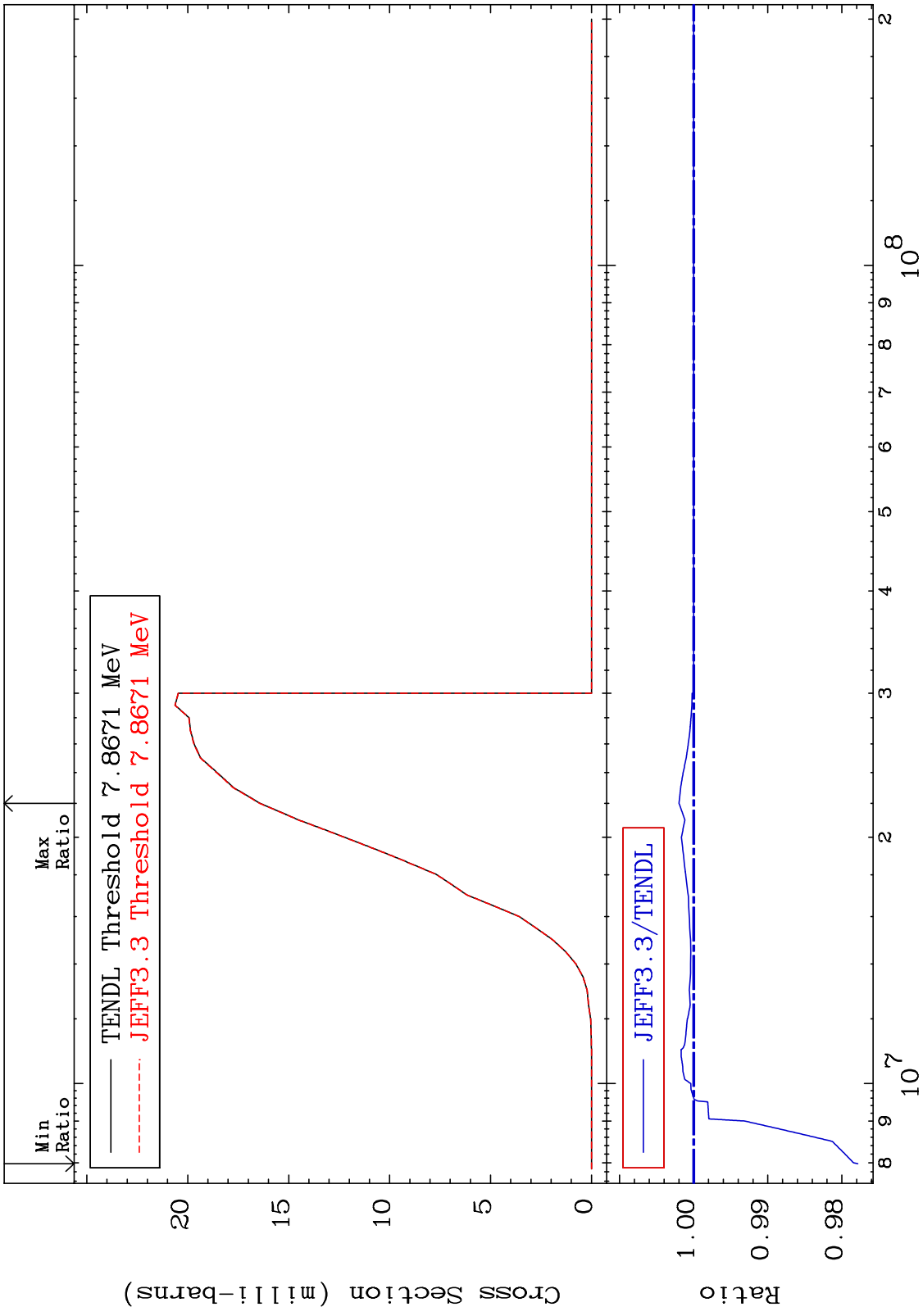
-99.48 To 9999. %



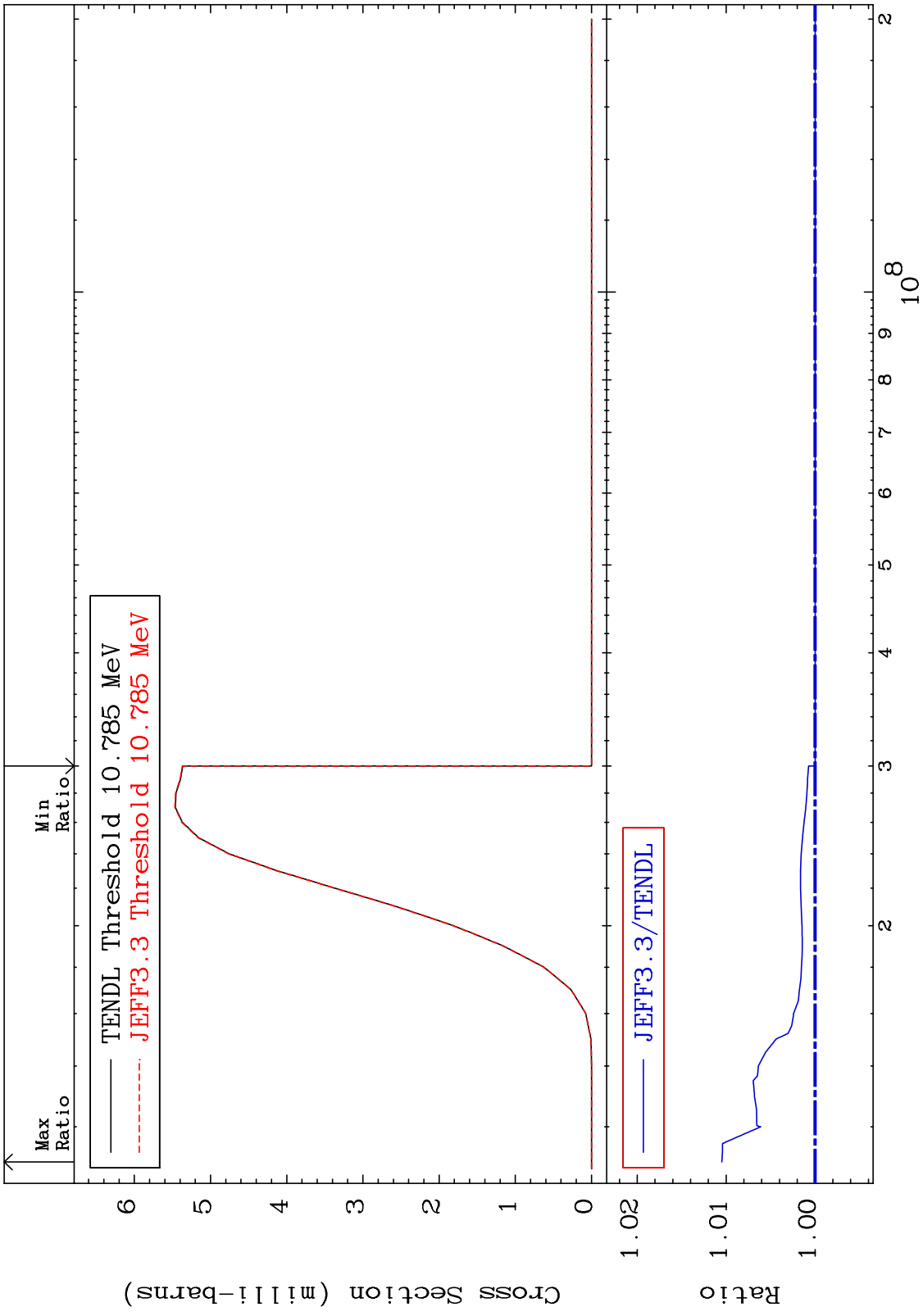
MAT 3037

(n,p) Cross Section  
0.000 To 0.857 %  
30-Zn-68

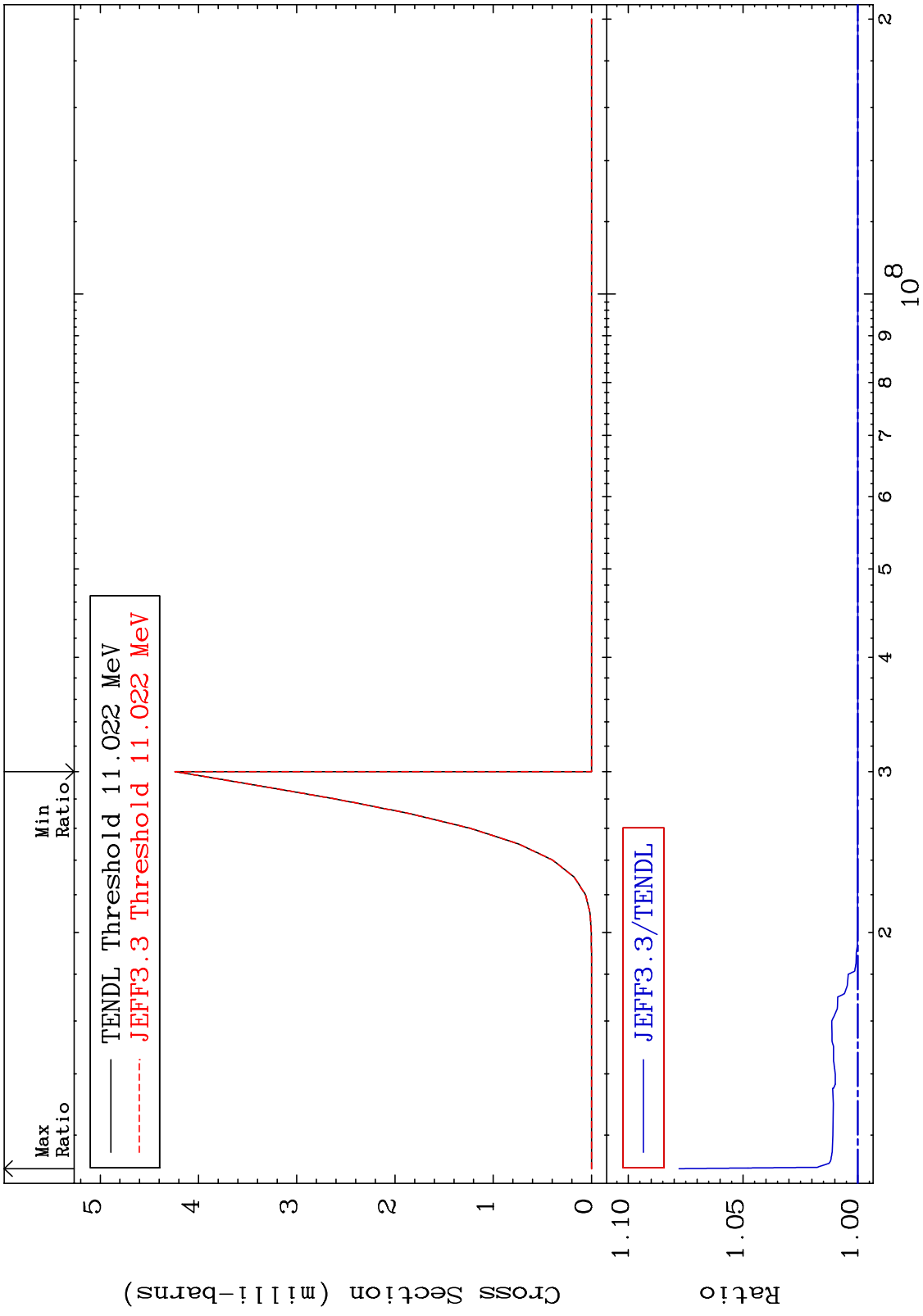




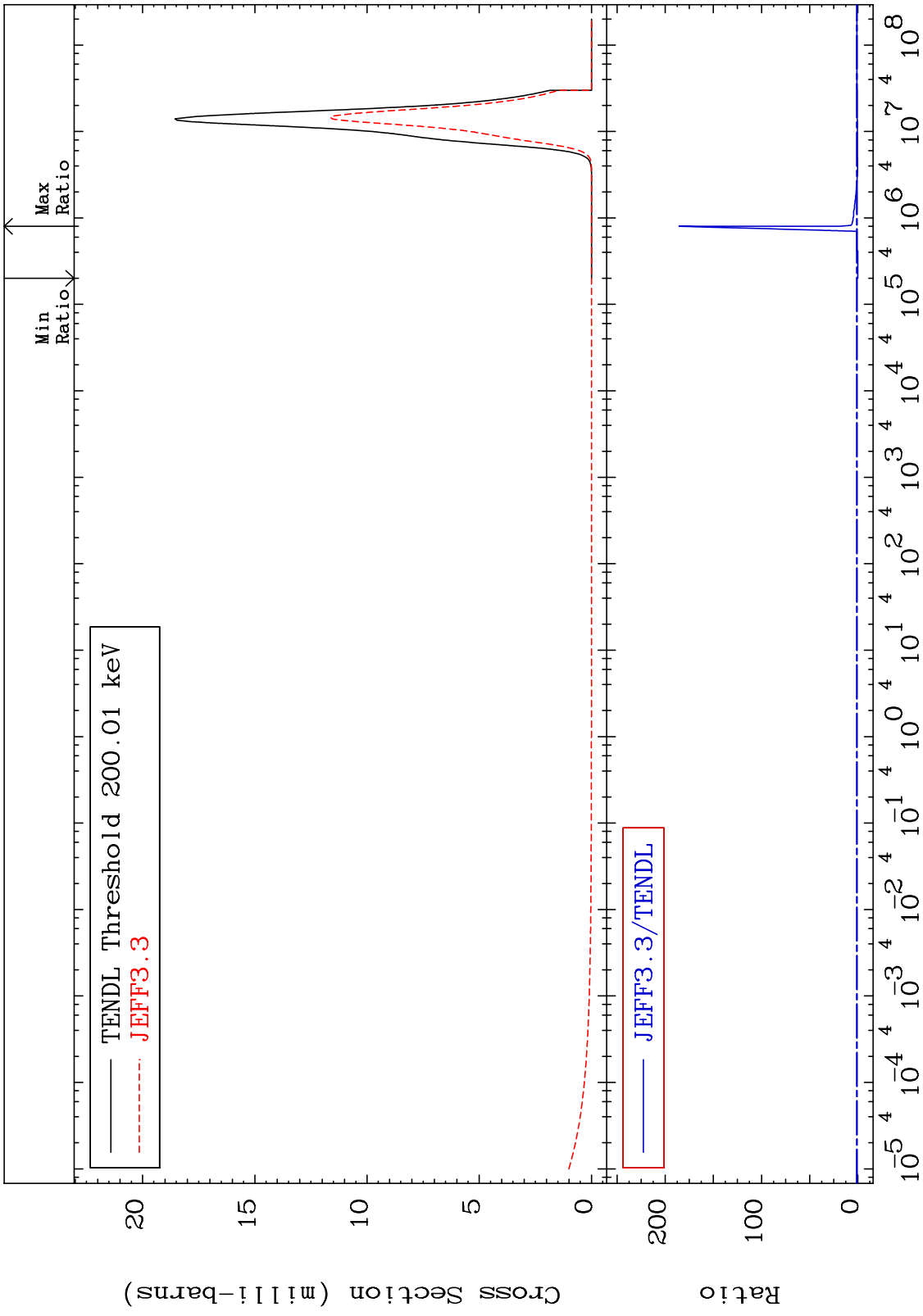
MAT 3037 (n,t) Cross Section 30-Zn-68 To 1.049 %



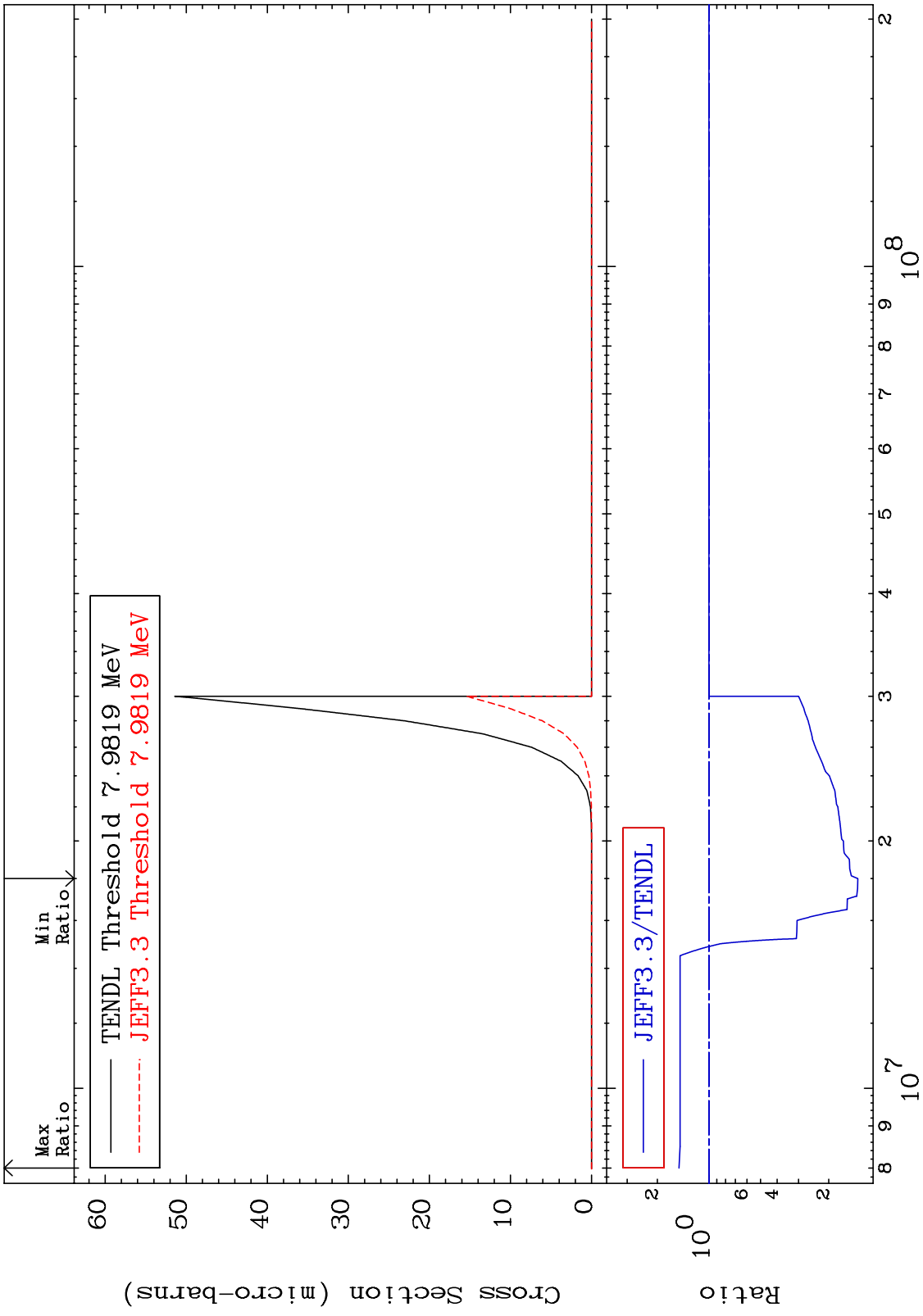
MAT 3037 (n,He-3) 30-Zn-68  
 Cross Section 0.000 To 7.791 %

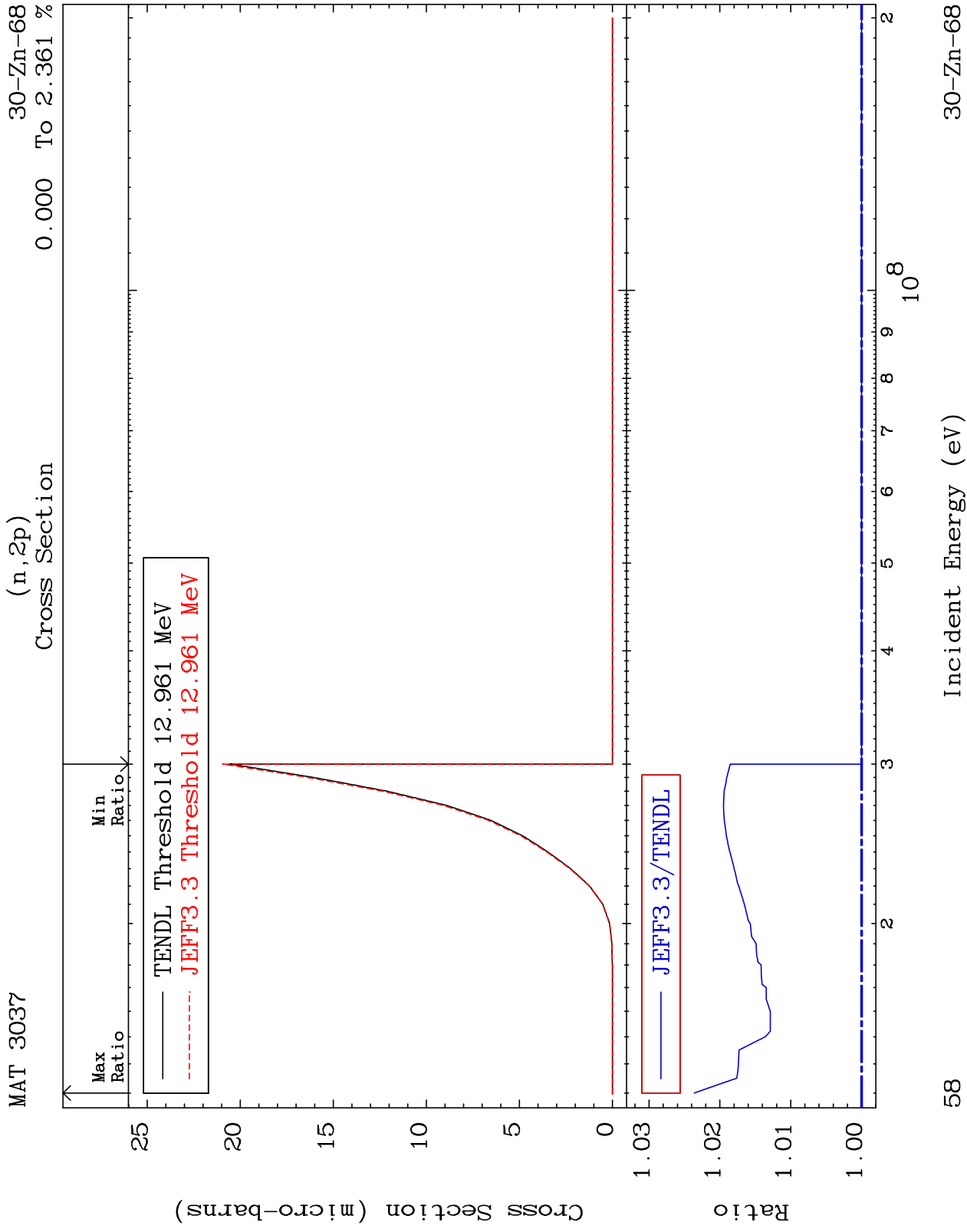


MAT 3037  $(n, \alpha)$  Cross Section 30-Zn-68 -100.0 To 9999. %

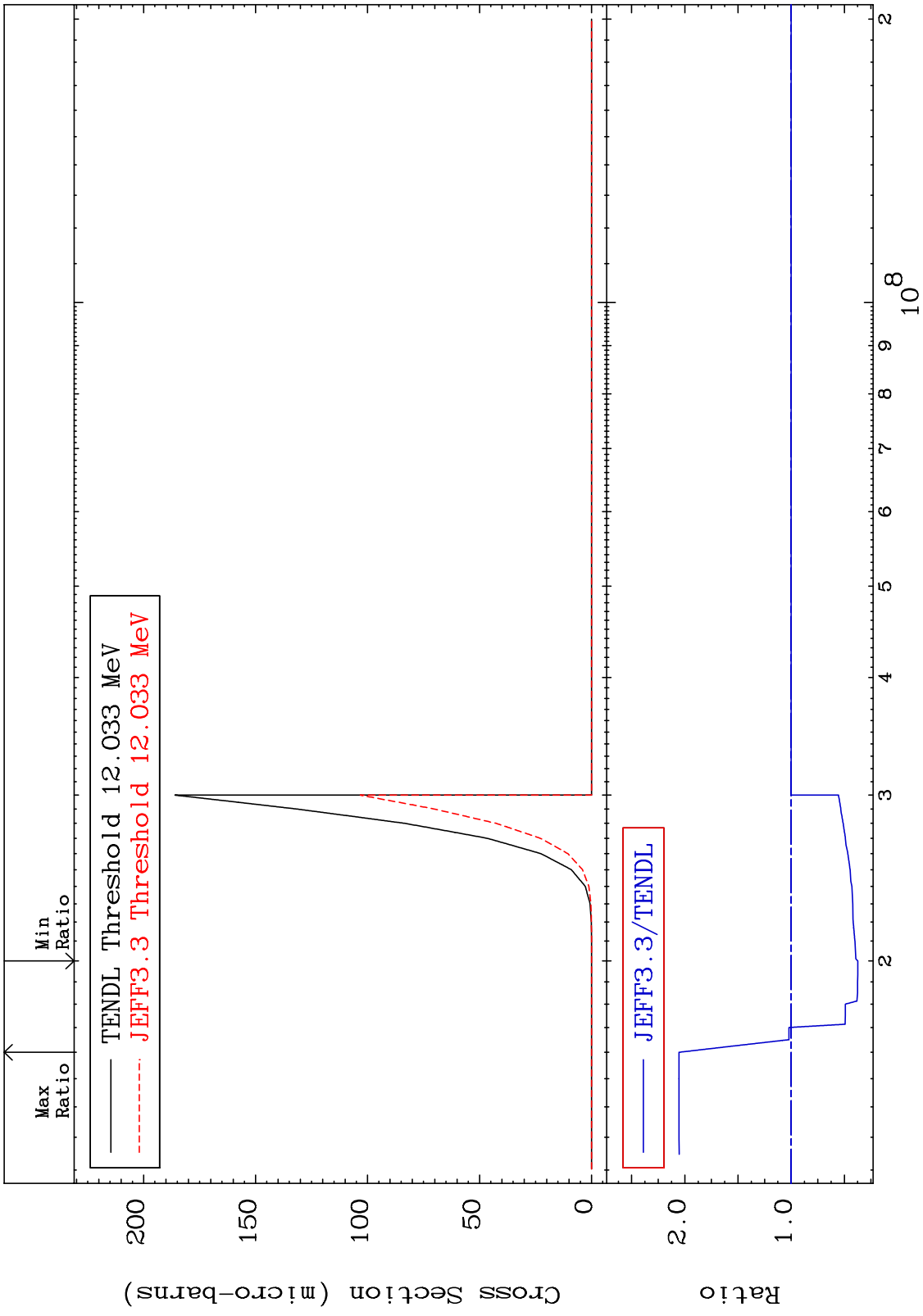


MAT 3037 (n,2α) 30-Zn-68  
Cross Section -86.48 To 49.43 %

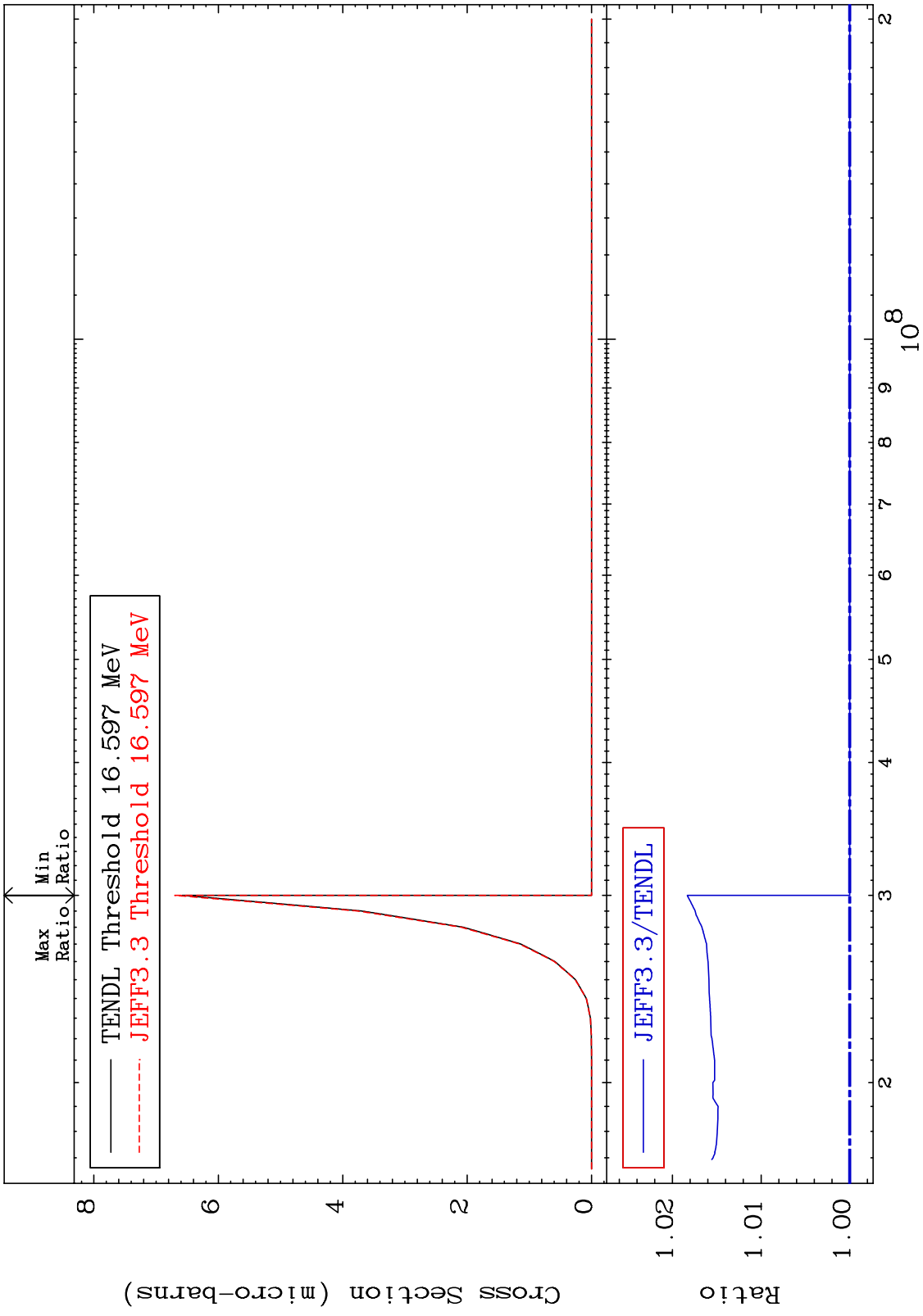




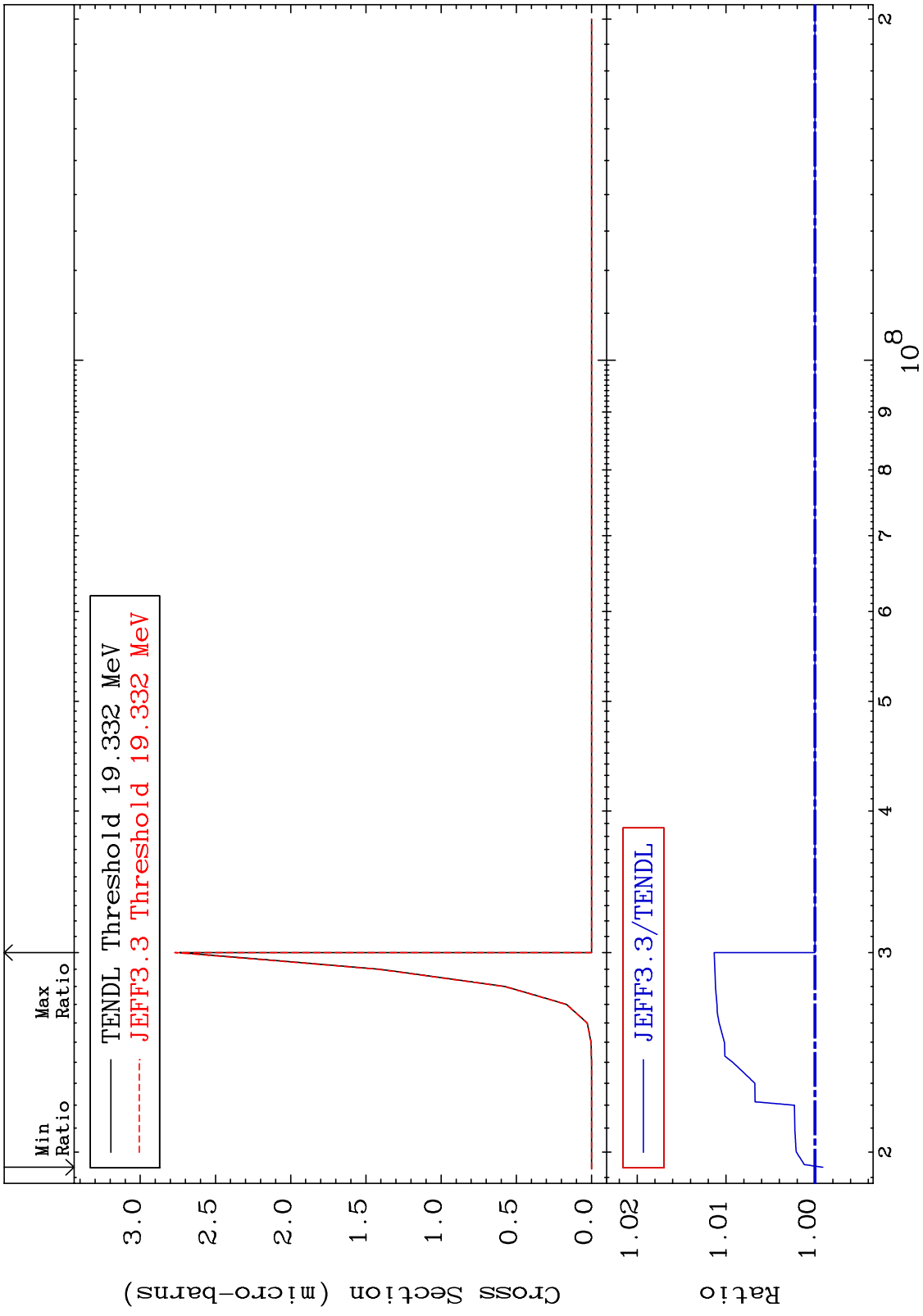
MAT 3037  $(n,p) \alpha$  30-Zn-68  
 Cross Section -62.68 To 105.4 %



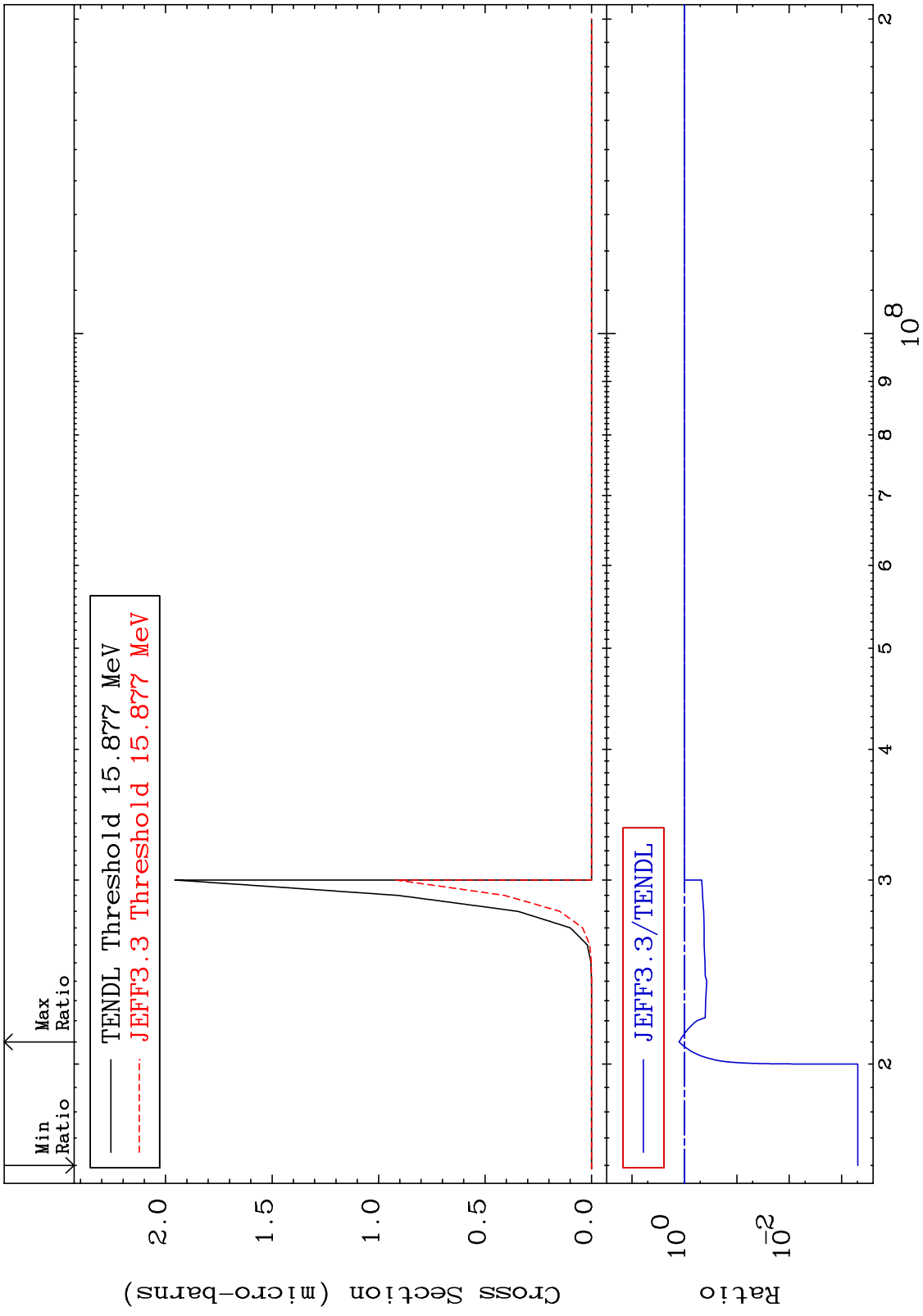
MAT 3037 (n,p) d 30-Zn-68  
 Cross Section 0.000 To 1.833 %



MAT 3037 (n,p) t 30-Zn-68  
 Cross Section -0.088 To 1.135 %



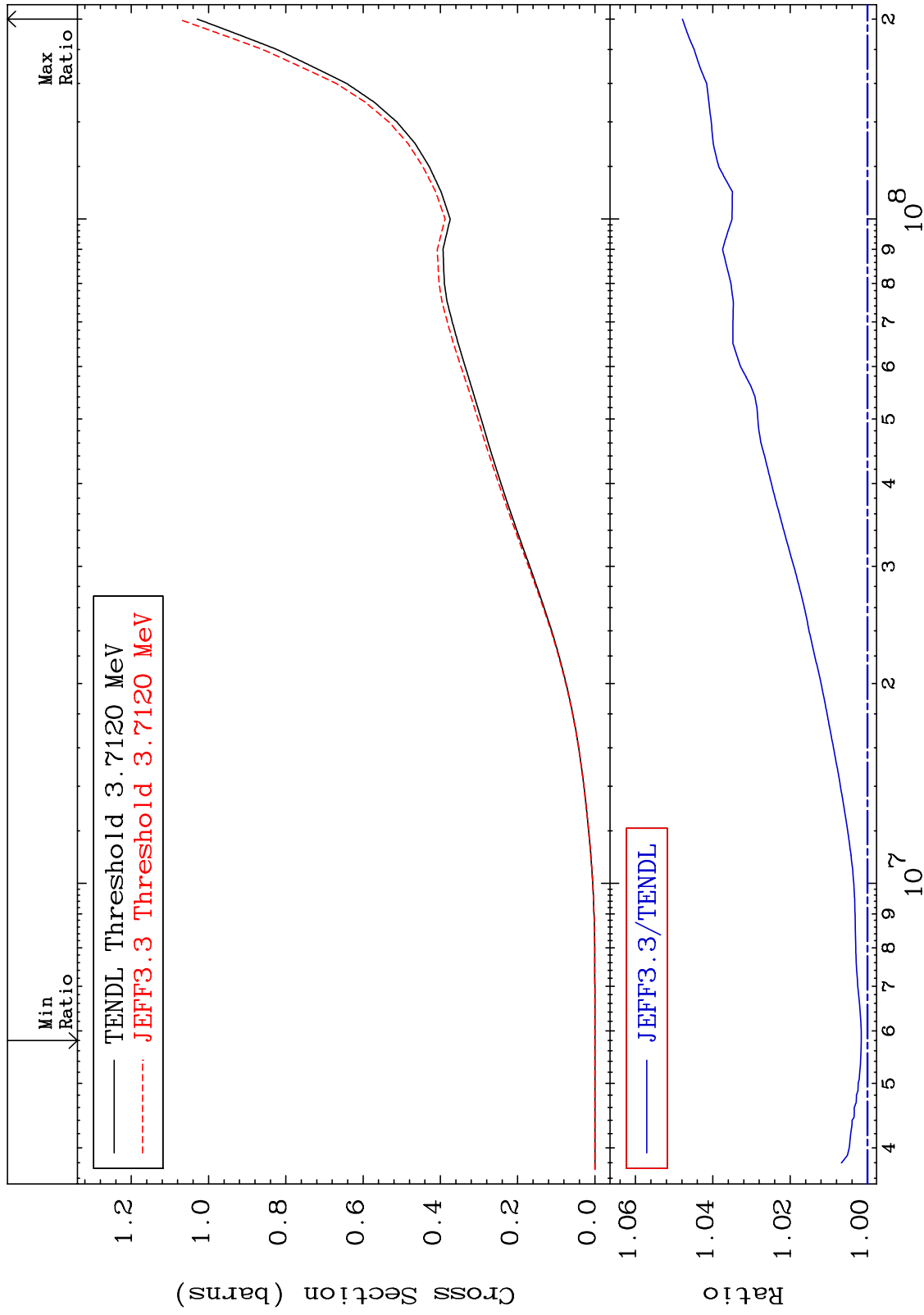
MAT 3037 (n,d)  $\alpha$  30-Zn-68  
Cross Section -99.95 To 26.69 %



MAT 3037

Hydrogen Production  
Cross Section

30-Zn-68  
To 0.160  
4.785 %

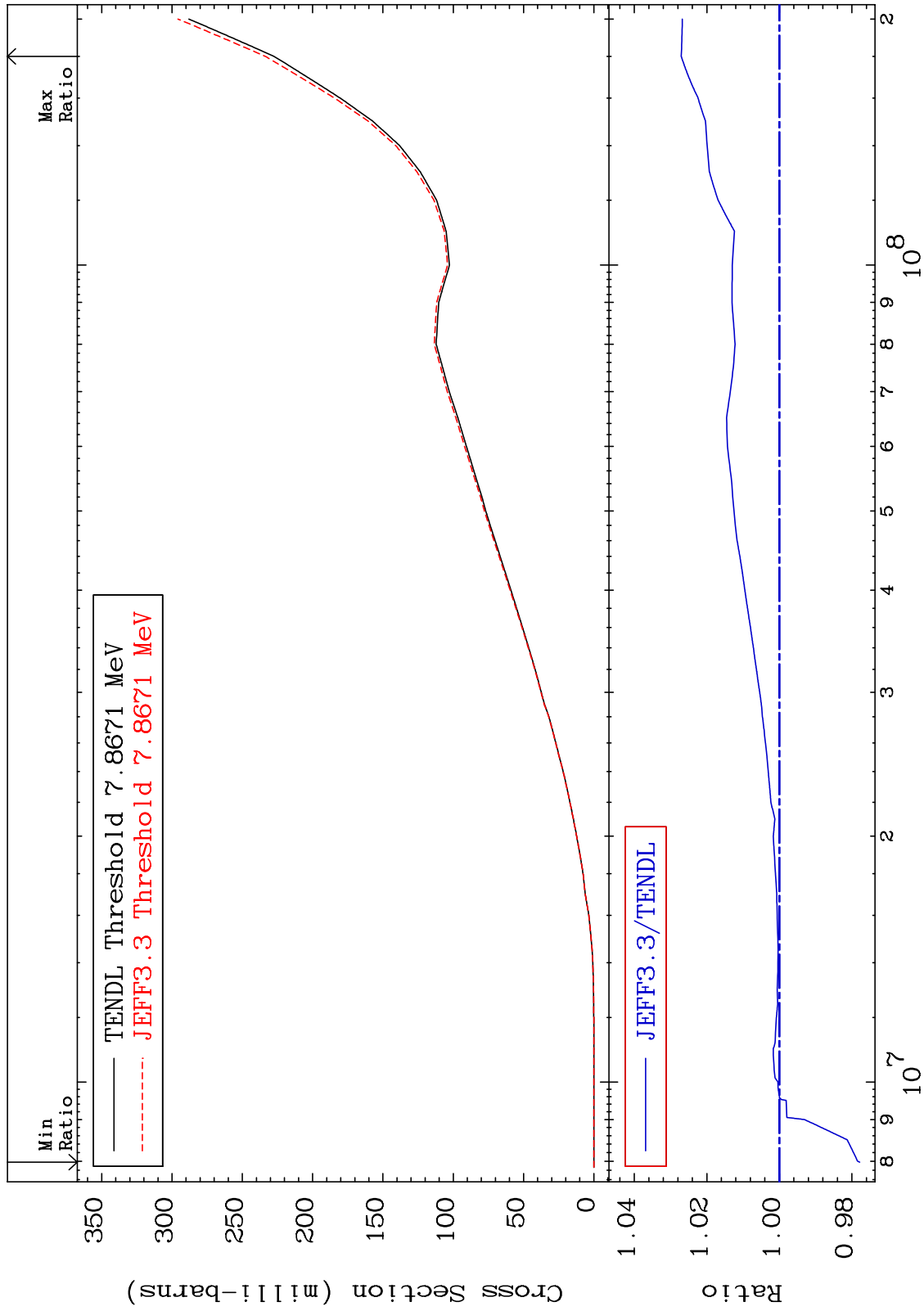


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MAT 3037

Deuterium Production  
Cross Section

30-Zn-68  
-2.215 To 2.705 %



64

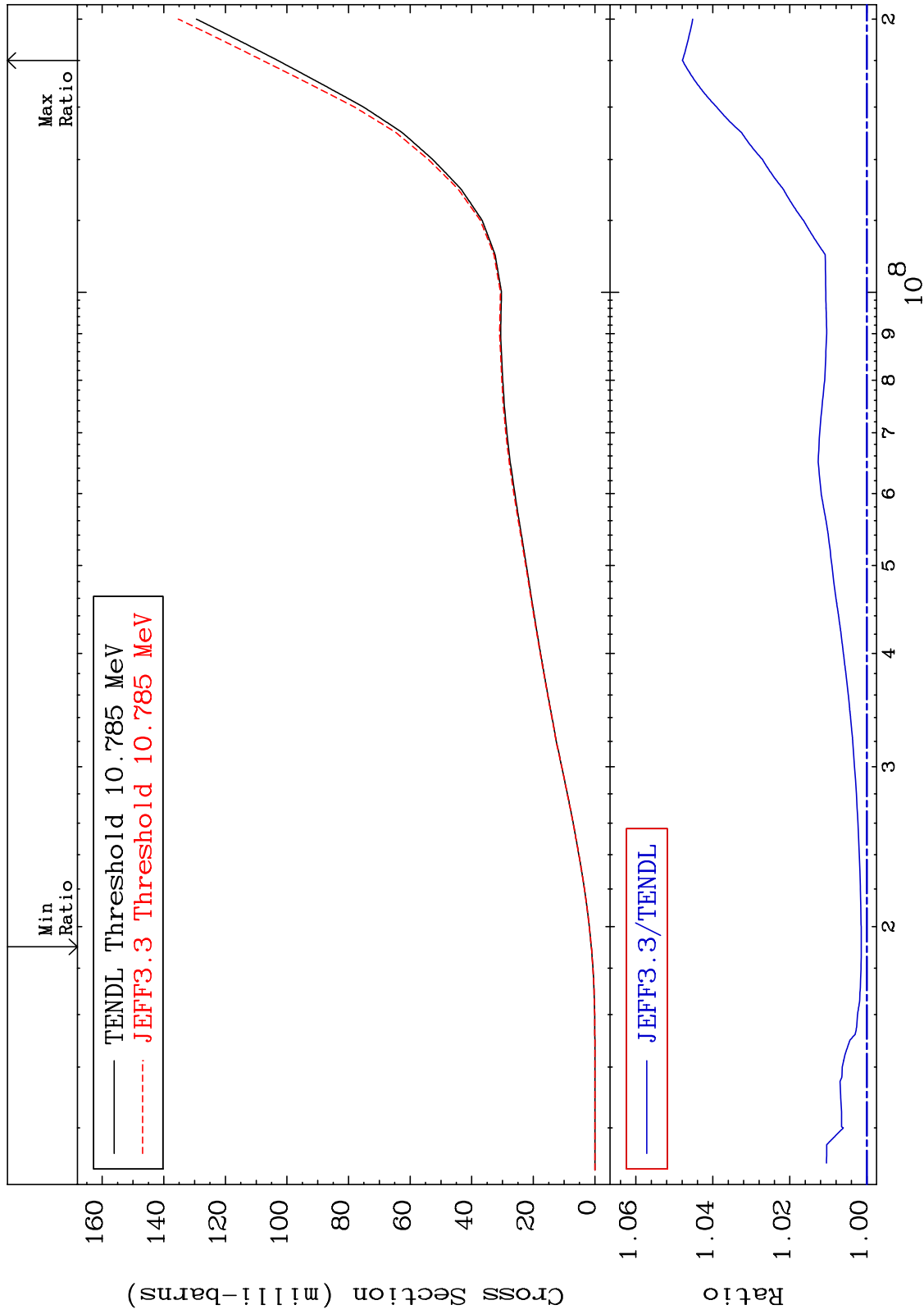
Incident Energy (eV)

30-Zn-68

MAT 3037

Tritium Production  
Cross Section

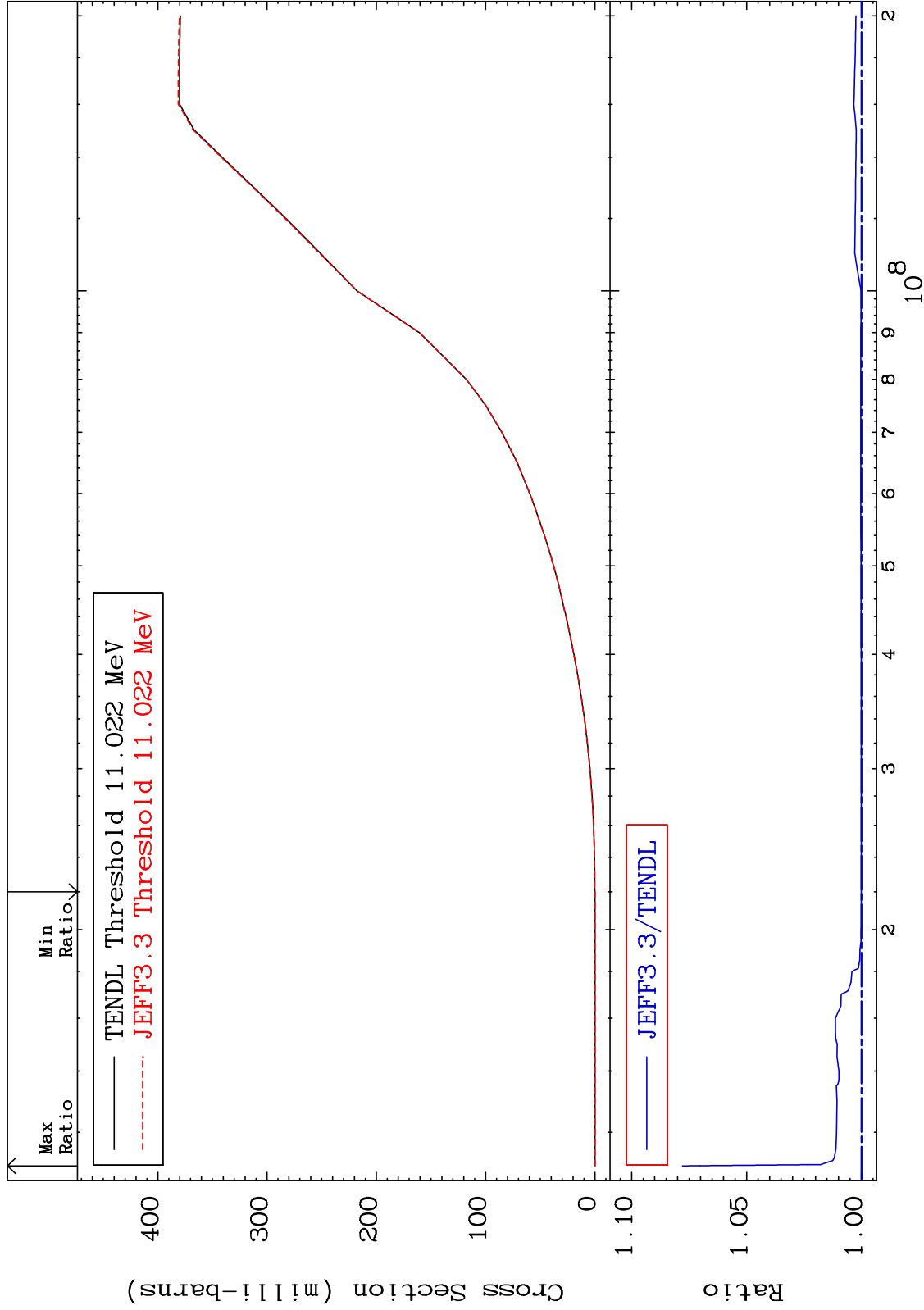
30-Zn-68  
0.144 To 4.790 %



MAT 3037

He-3 Production  
Cross Section

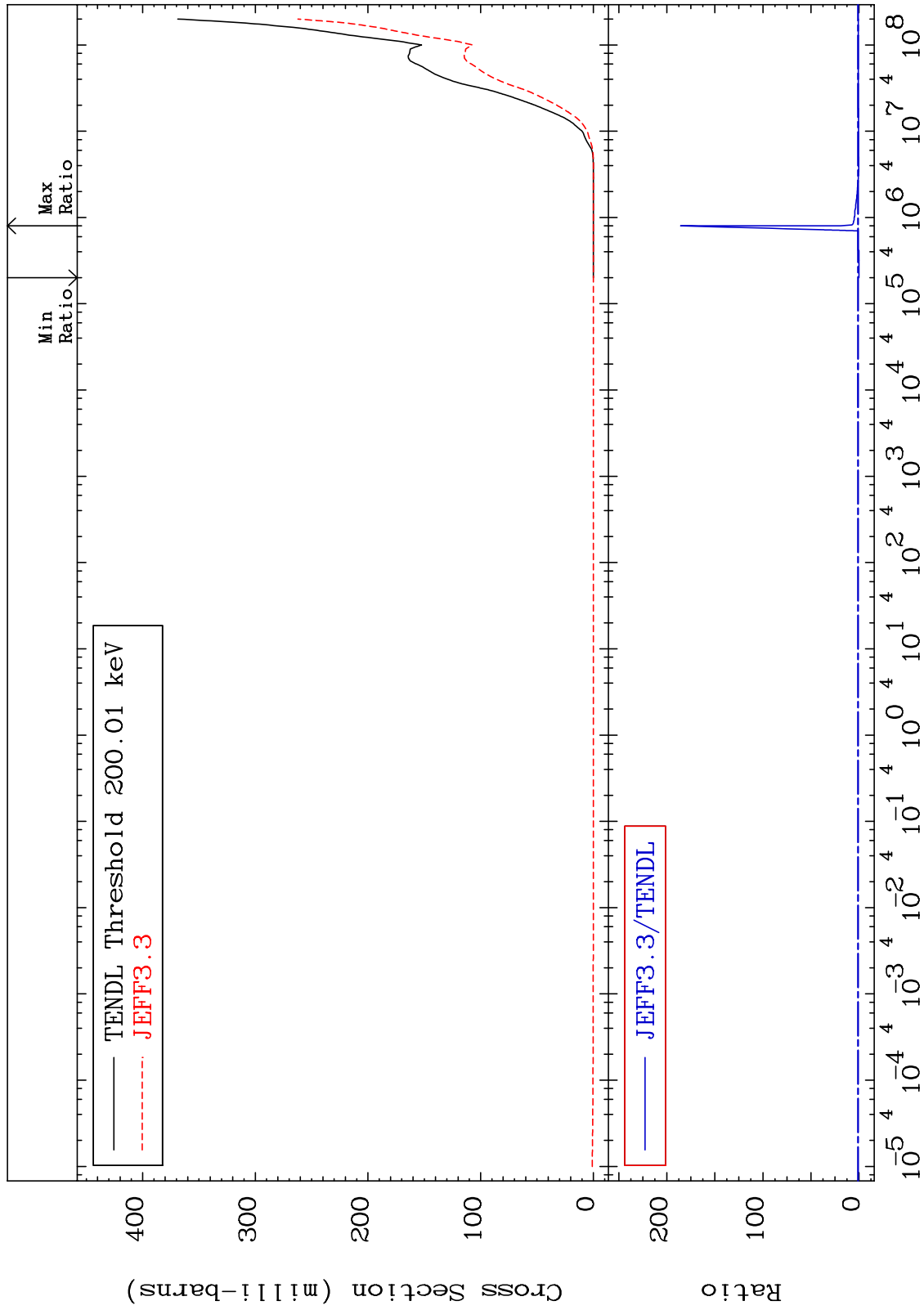
30-Zn-68  
To 7.791 %  
0.008



MAT 3037

He-4 Production  
Cross Section

30-Zn-68  
-100.0 To 9999. %



67

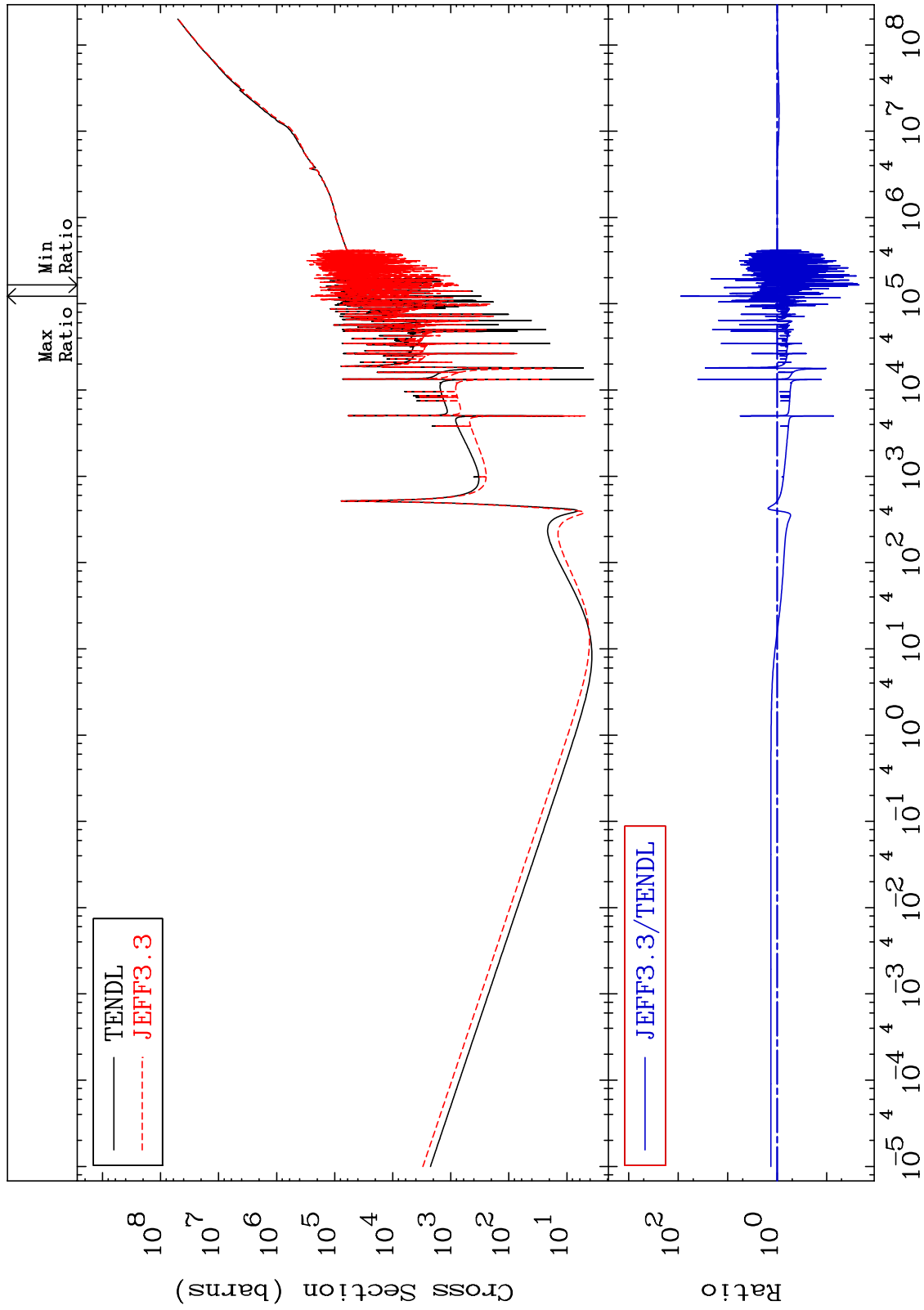
Incident Energy (eV)

30-Zn-68

MAT 3037

Kerma total (eV-barns)  
Cross Section

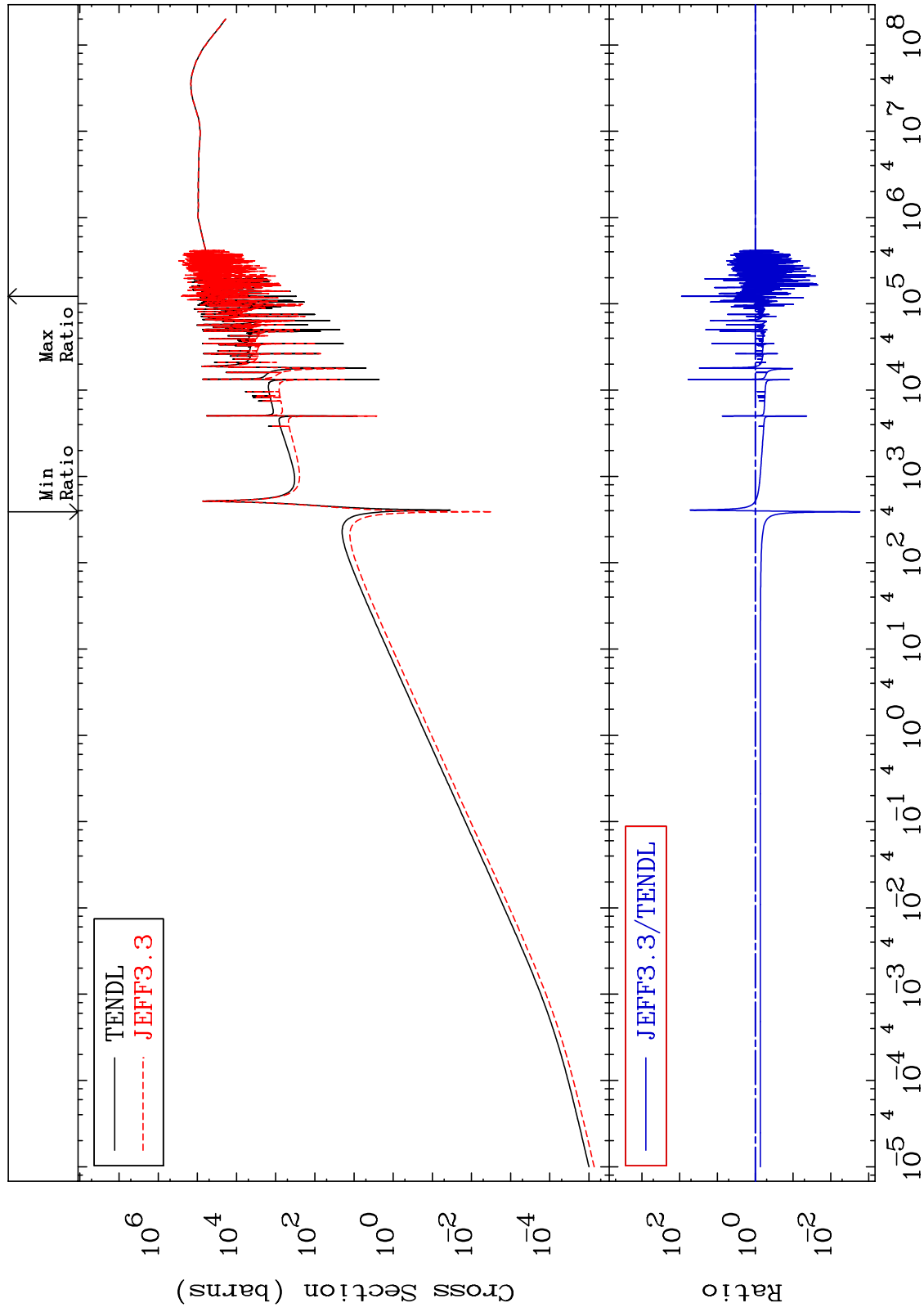
30-Zn-68  
-97.77 To 8852. %



MAT 3037

Kerma elastic  
Cross Section

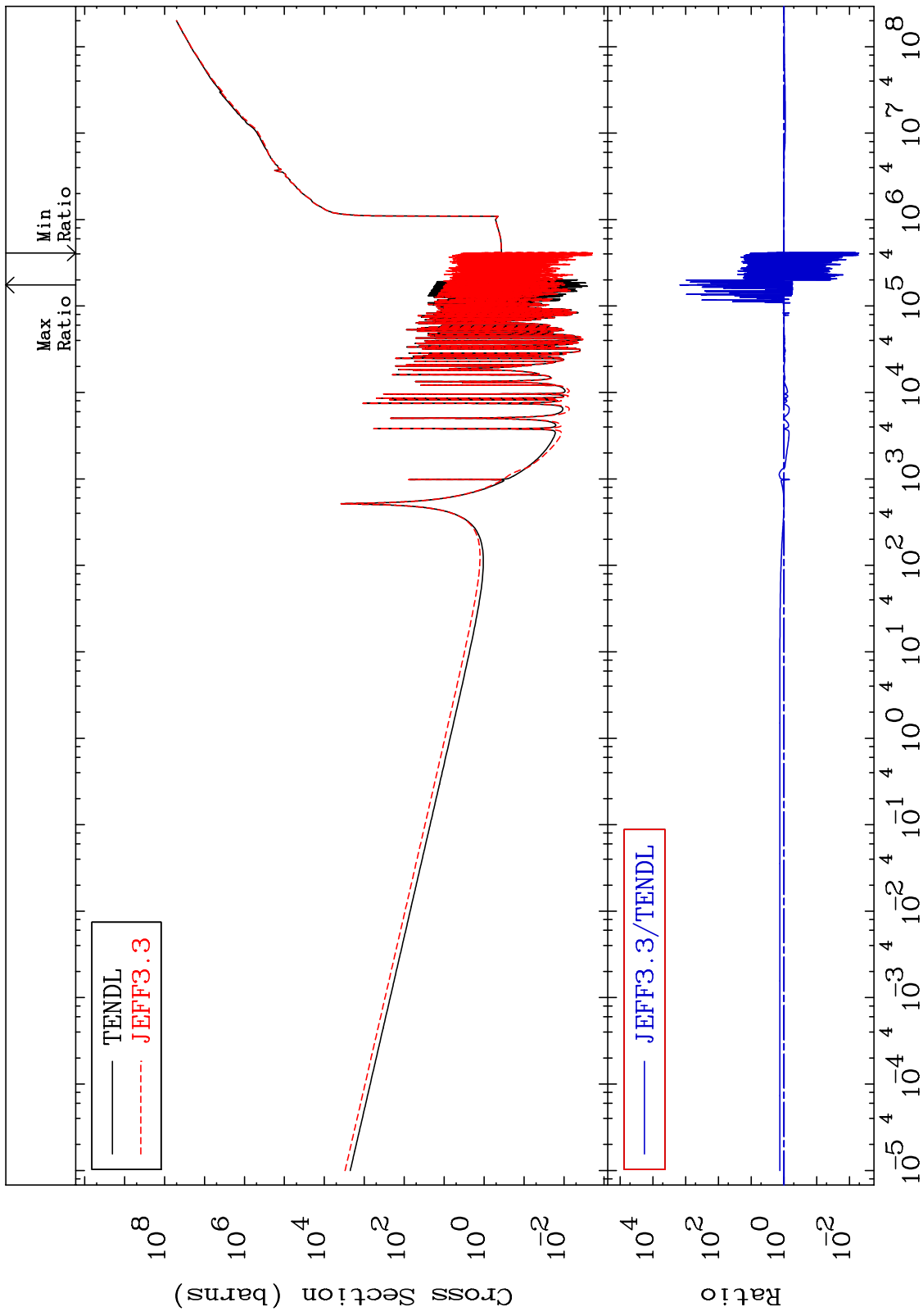
30-Zn-68  
-99.83 To 8854. %



MAT 3037

Kerma non-elastic (all but mt2)  
Cross Section

30-Zn-68  
-99.48 To 9999. %



70

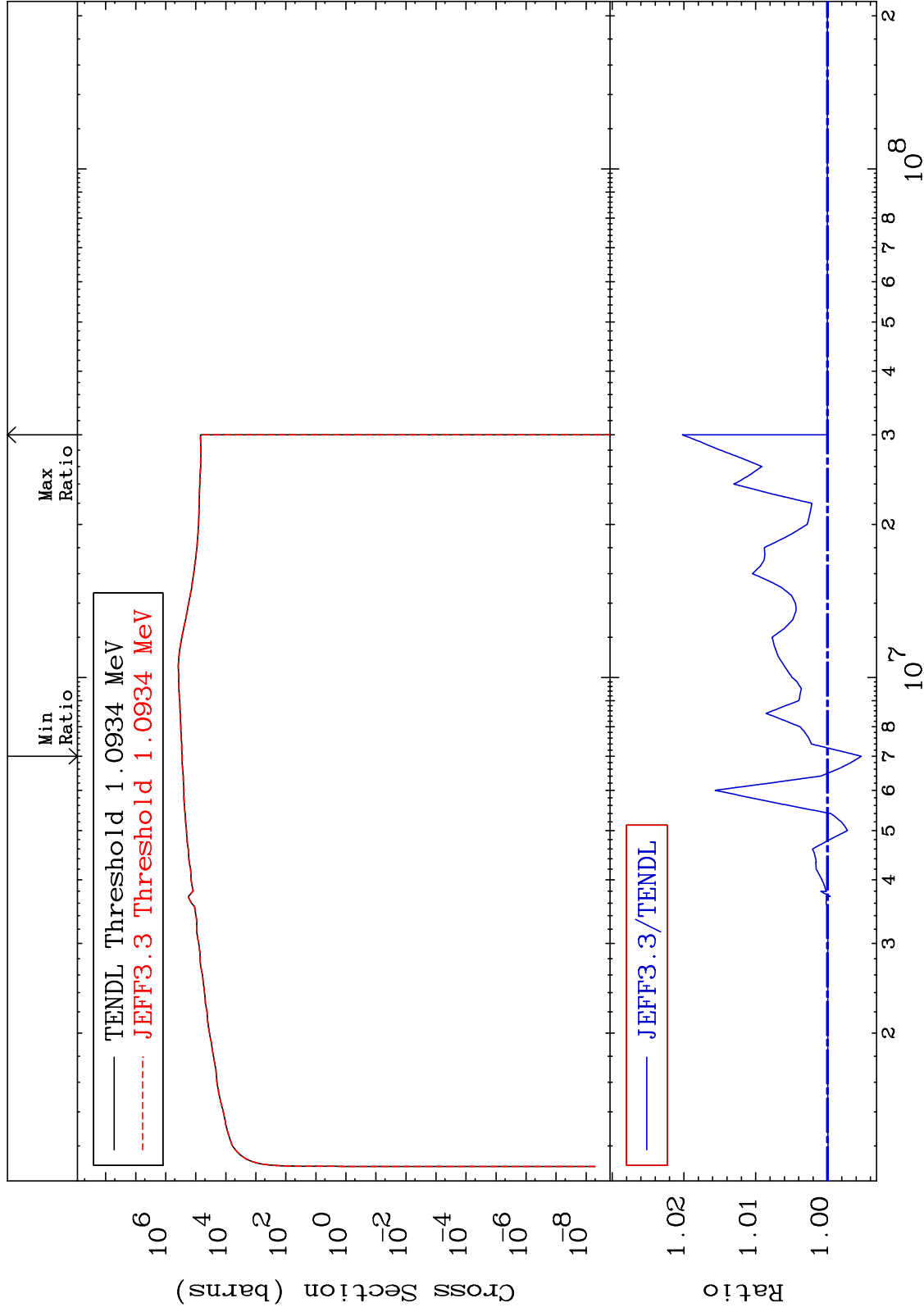
Incident Energy (eV)

30-Zn-68

MAT 3037

Kerma inelastic (mt51-91)  
Cross Section

30-Zn-68  
-0.472 To 2.021 %



71

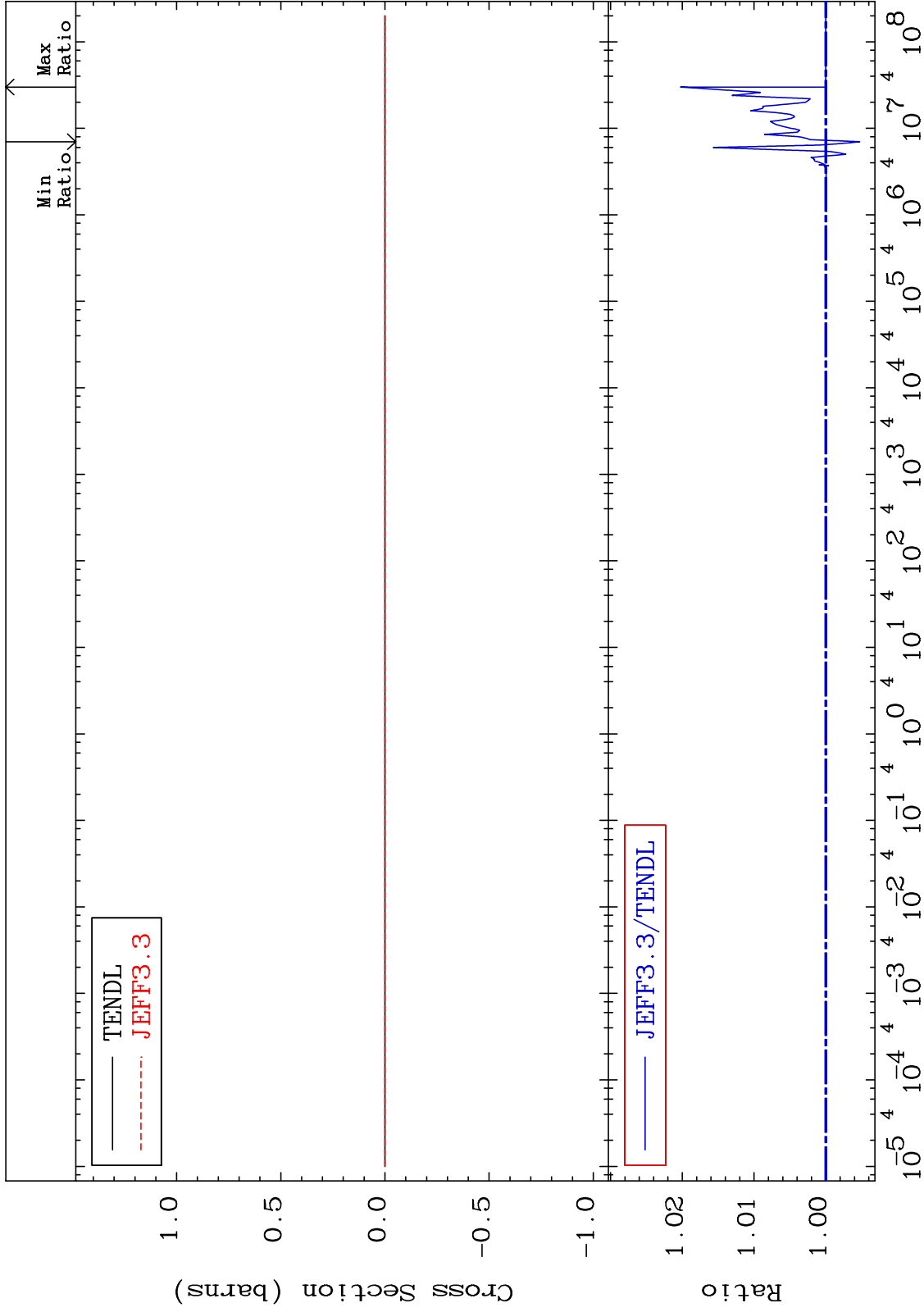
Incident Energy (eV)

30-Zn-68

MAT 3037

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

30-Zn-68  
-0.472 To 2.021 %



72

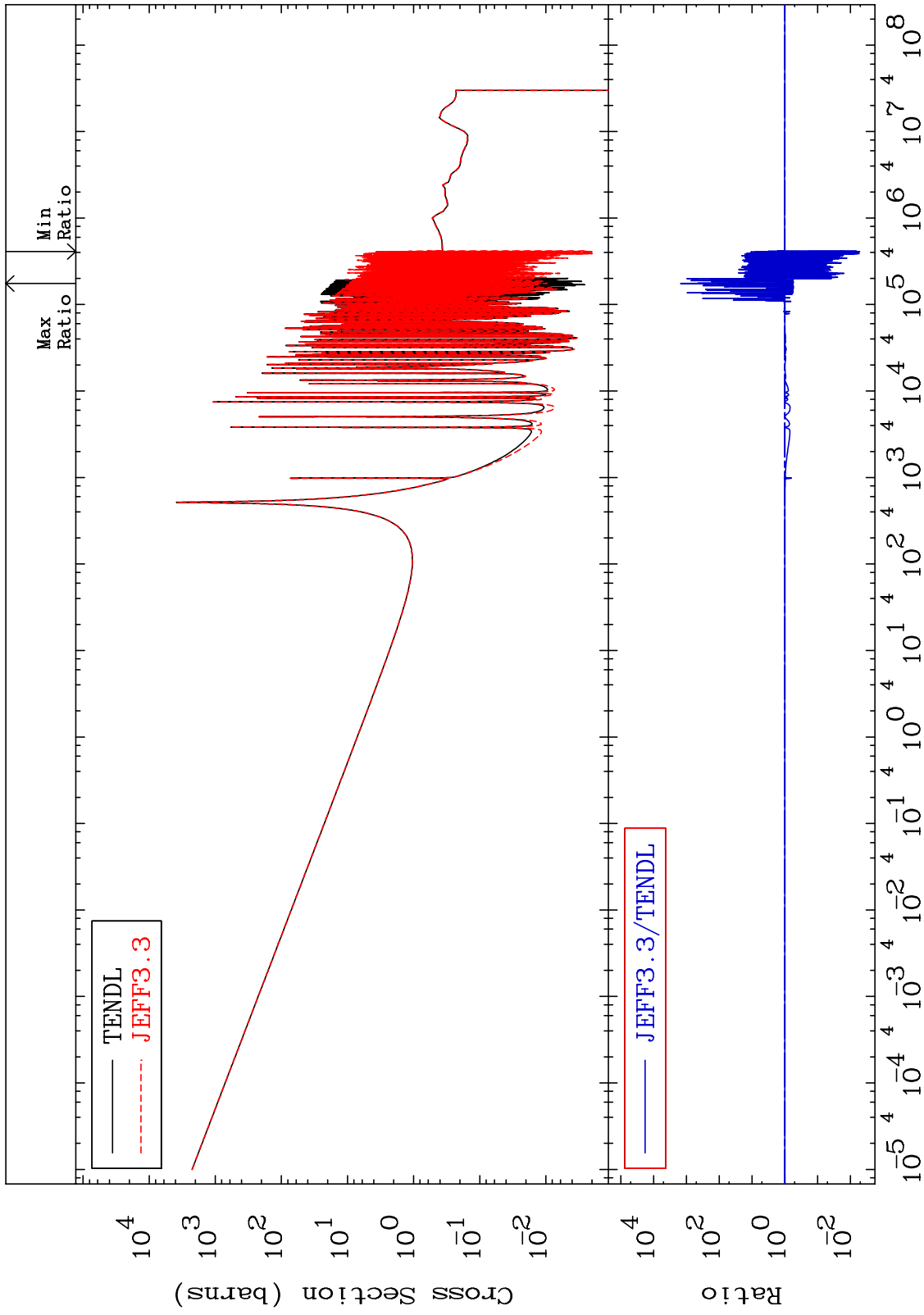
Incident Energy (eV)

30-Zn-68

MAT 3037

Kerma capture (mt102)  
Cross Section

30-Zn-68  
-99.48 To 9999. %



73

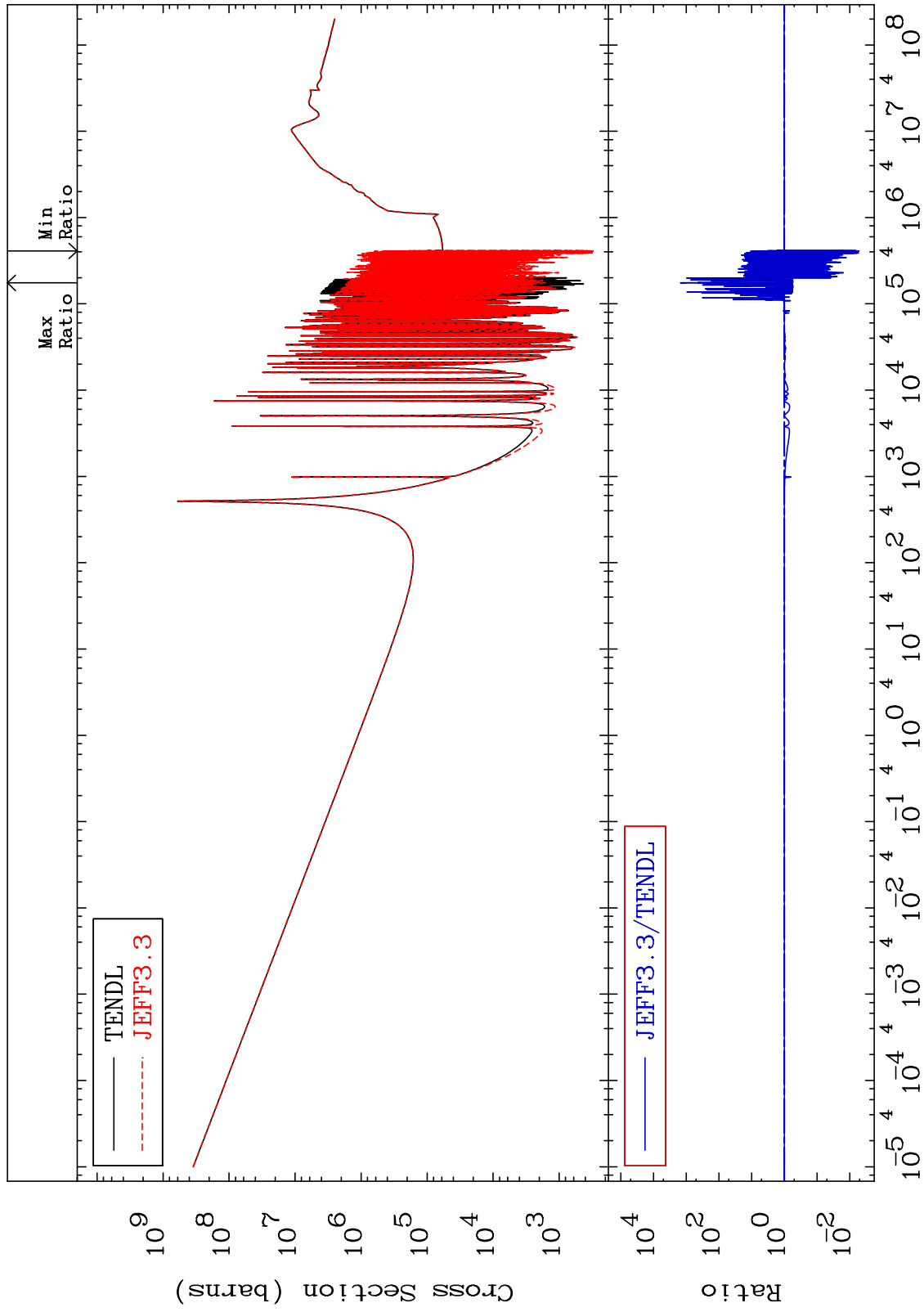
Incident Energy (eV)

30-Zn-68

MAT 3037

Total photon (eV-barns)  
Cross Section

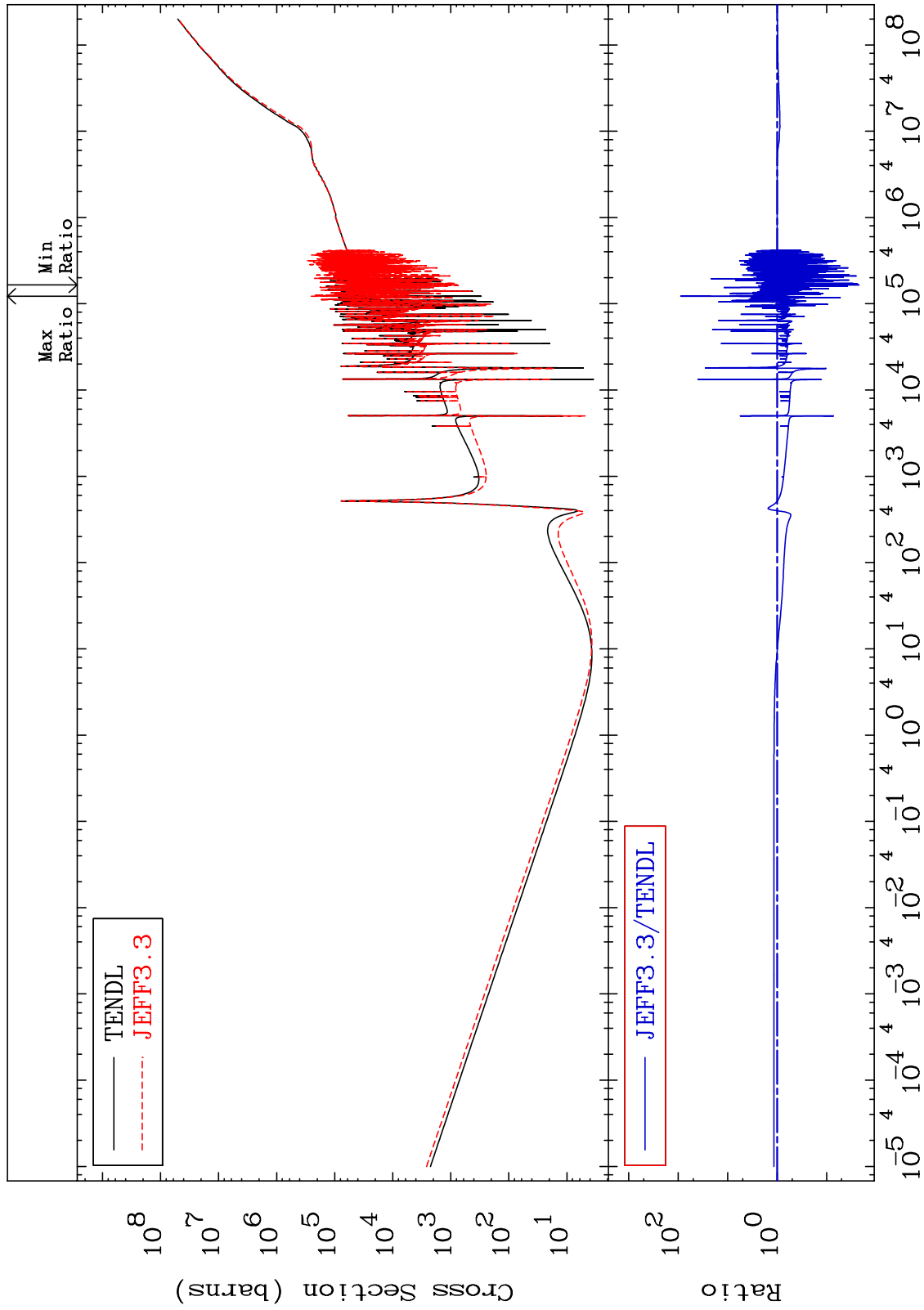
30-Zn-68  
-99.48 To 9999. %



MAT 3037

Total kinematic kerma (high limit)  
Cross Section

30-Zn-68  
-97.77 To 8852. %



75

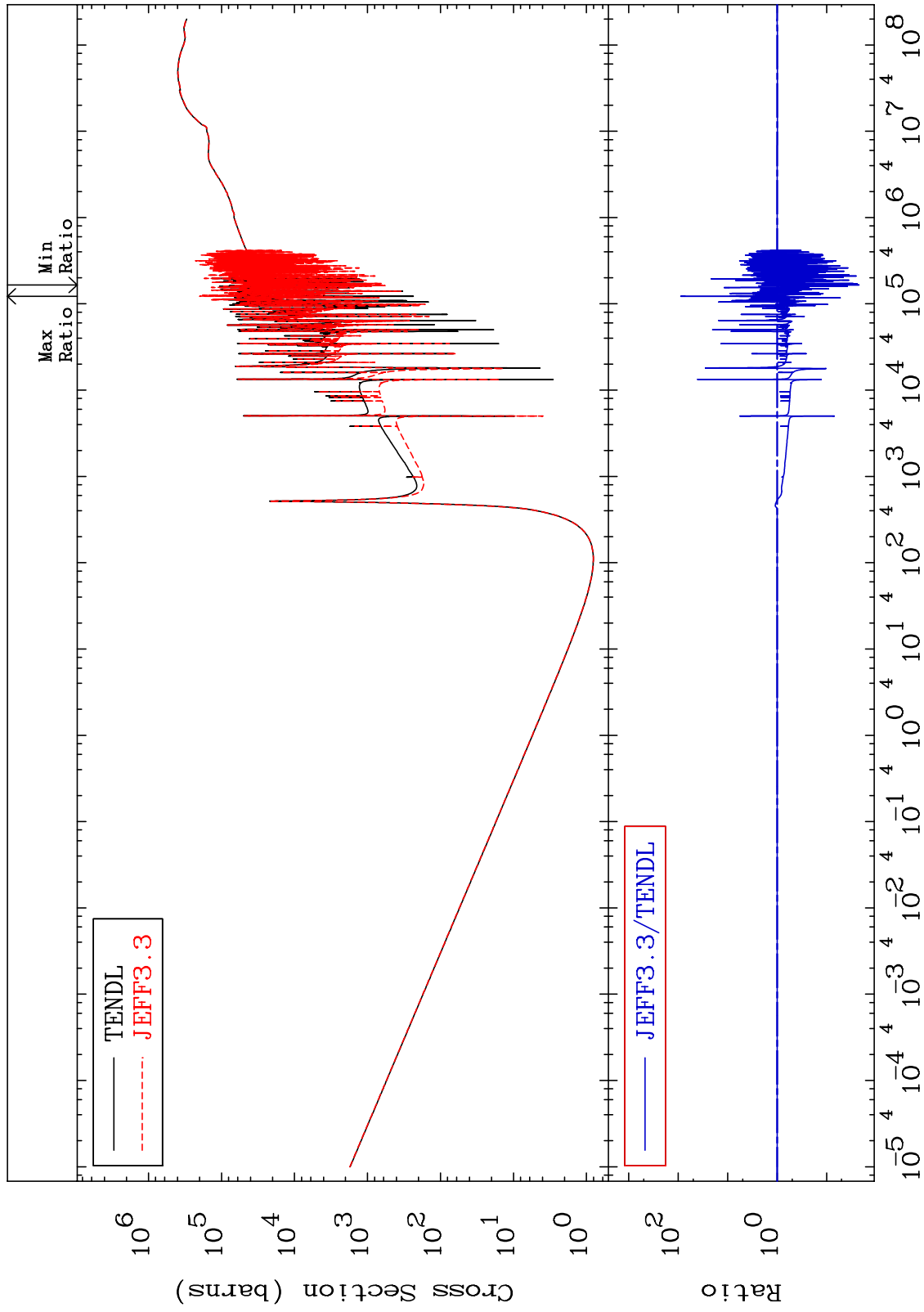
Incident Energy (eV)

30-Zn-68

MAT 3037

Dpa total (eV-barns)  
Cross Section

30-Zn-68  
-97.77 To 8852. %



76

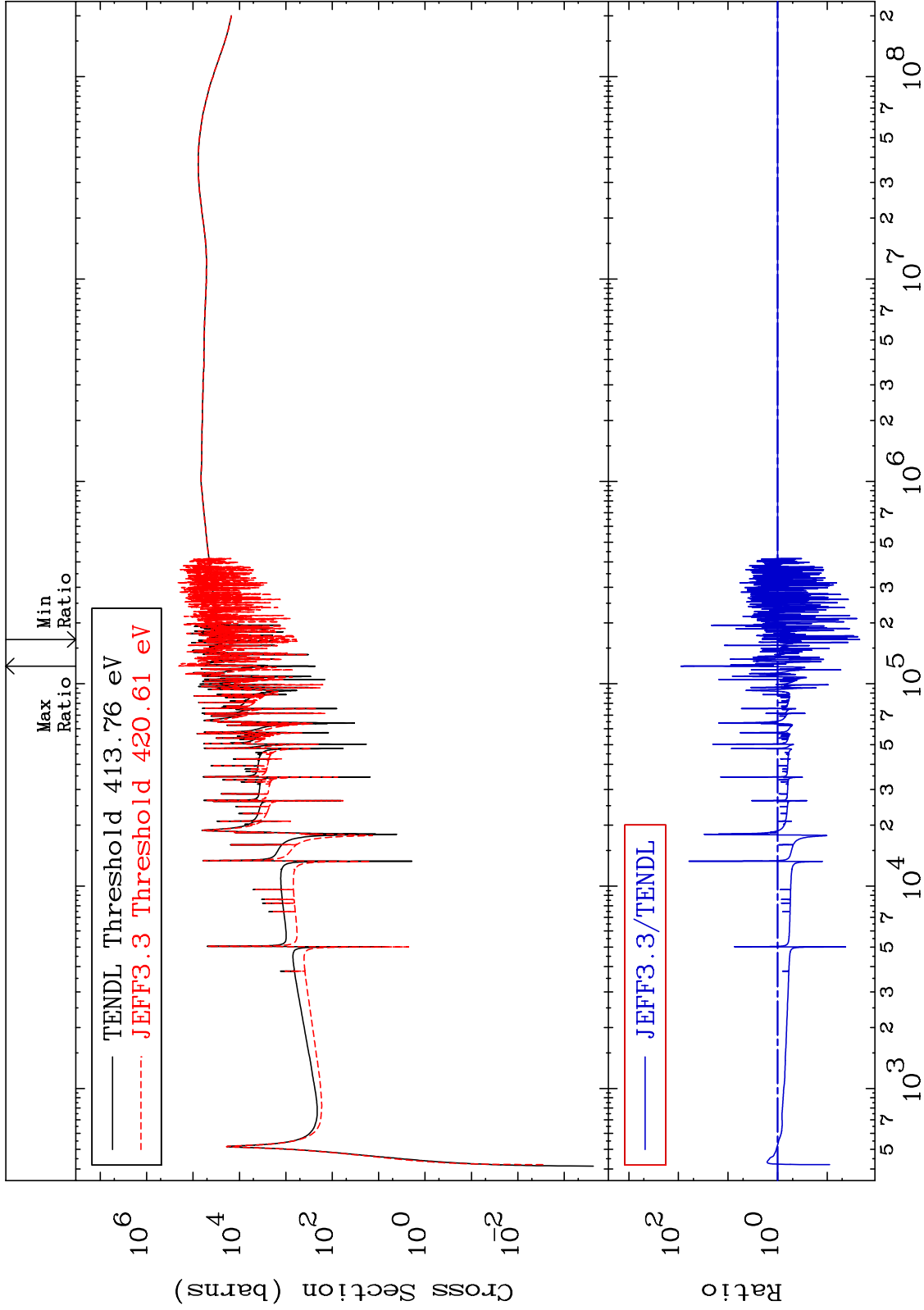
Incident Energy (eV)

30-Zn-68

MAT 3037

Dpa elastic (mt2)  
Cross Section

30-Zn-68  
-97.77 To 8854. %



77

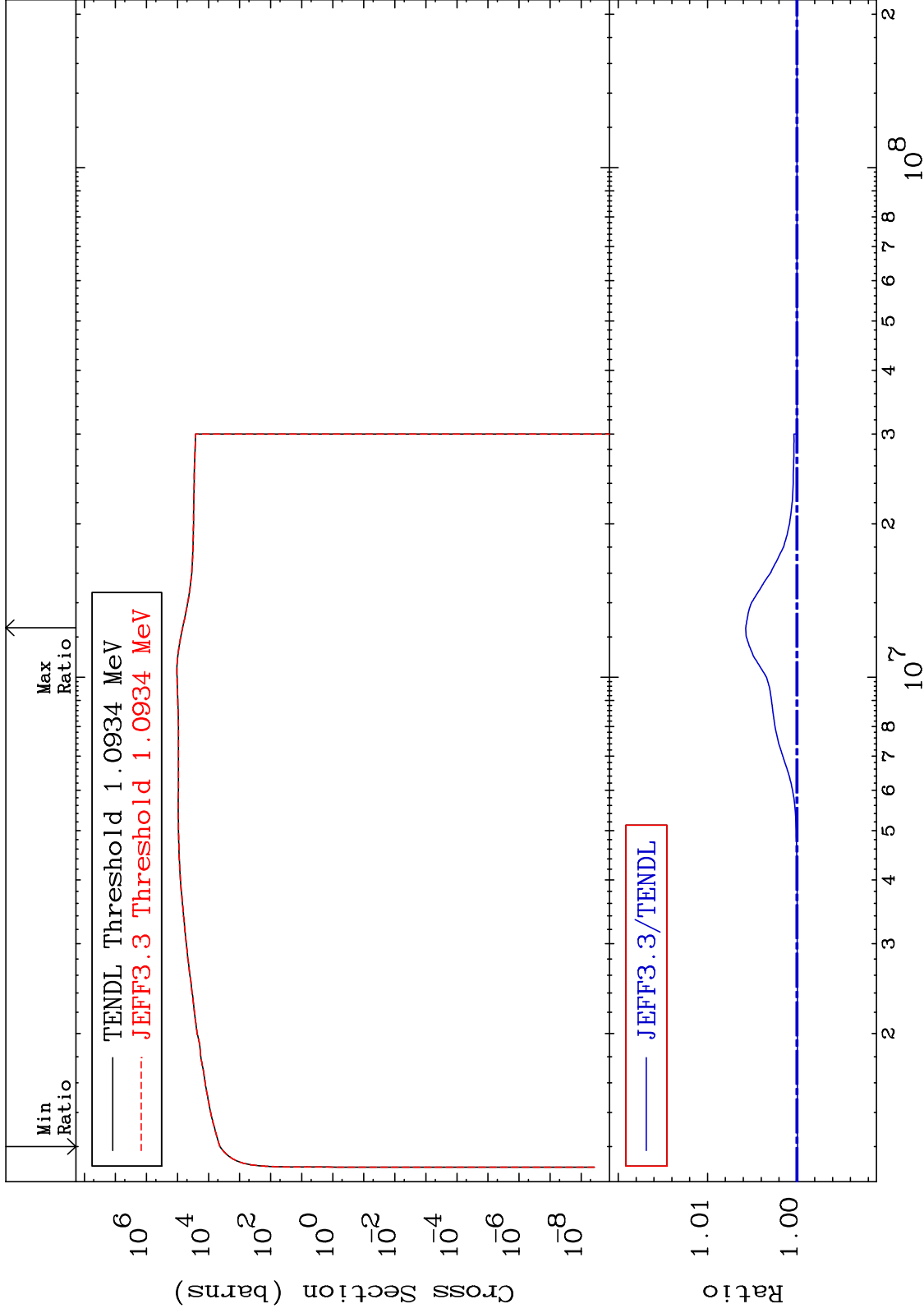
30-Zn-68

30-Zn-68

MAT 3037

Dpa inelastic (mt51-91)  
Cross Section

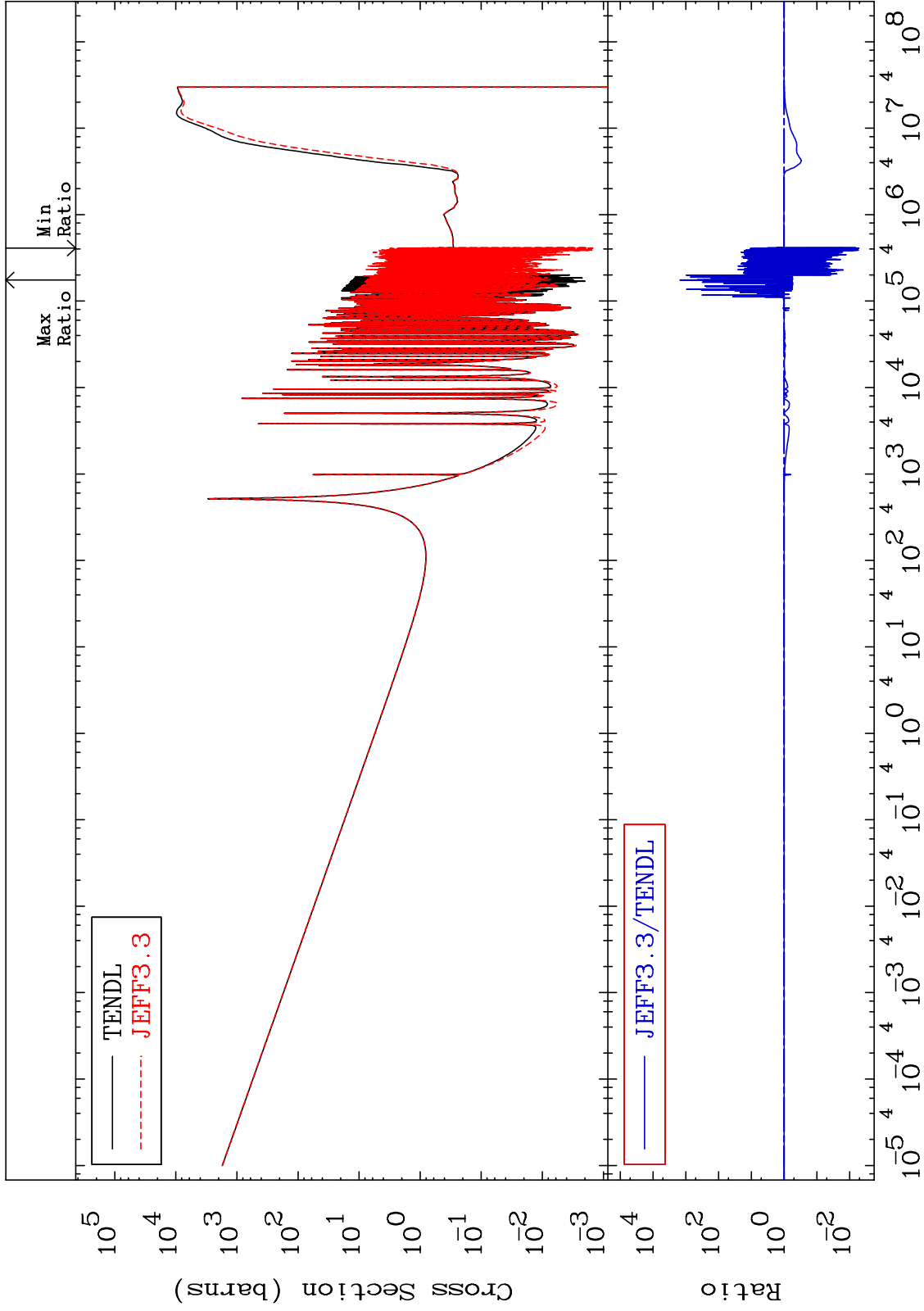
30-Zn-68  
-0.008 To 0.574 %



MAT 3037

Dpa disappearance (mt102 -120)  
Cross Section

30-Zn-68  
-99.48 To 9999. %

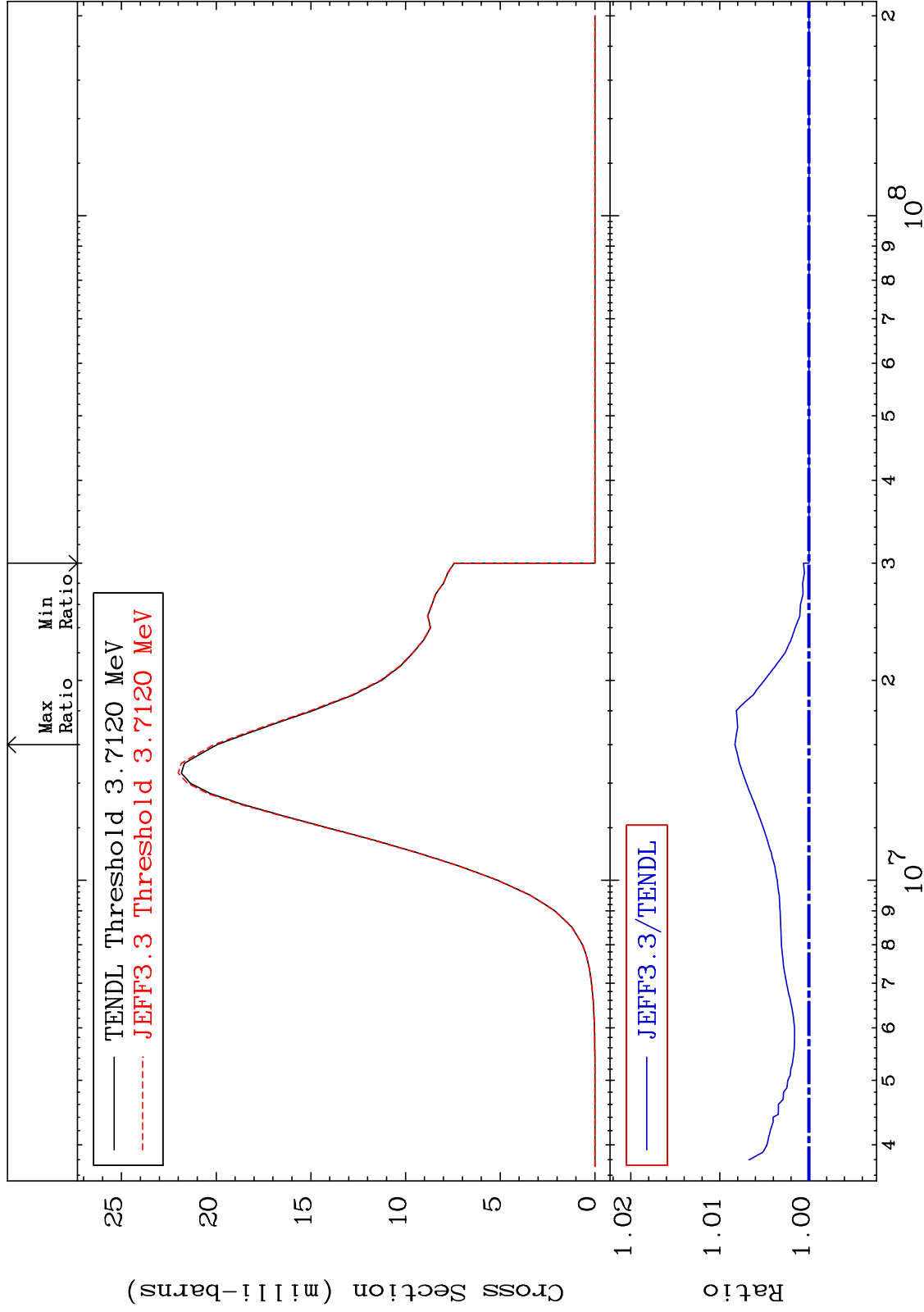


MAT 3037

(n,p):29-Cu-68g

30-Zn-68

Radionuclide Production Cross Section 0.000 To 0.831 %



80

Incident Energy (eV)

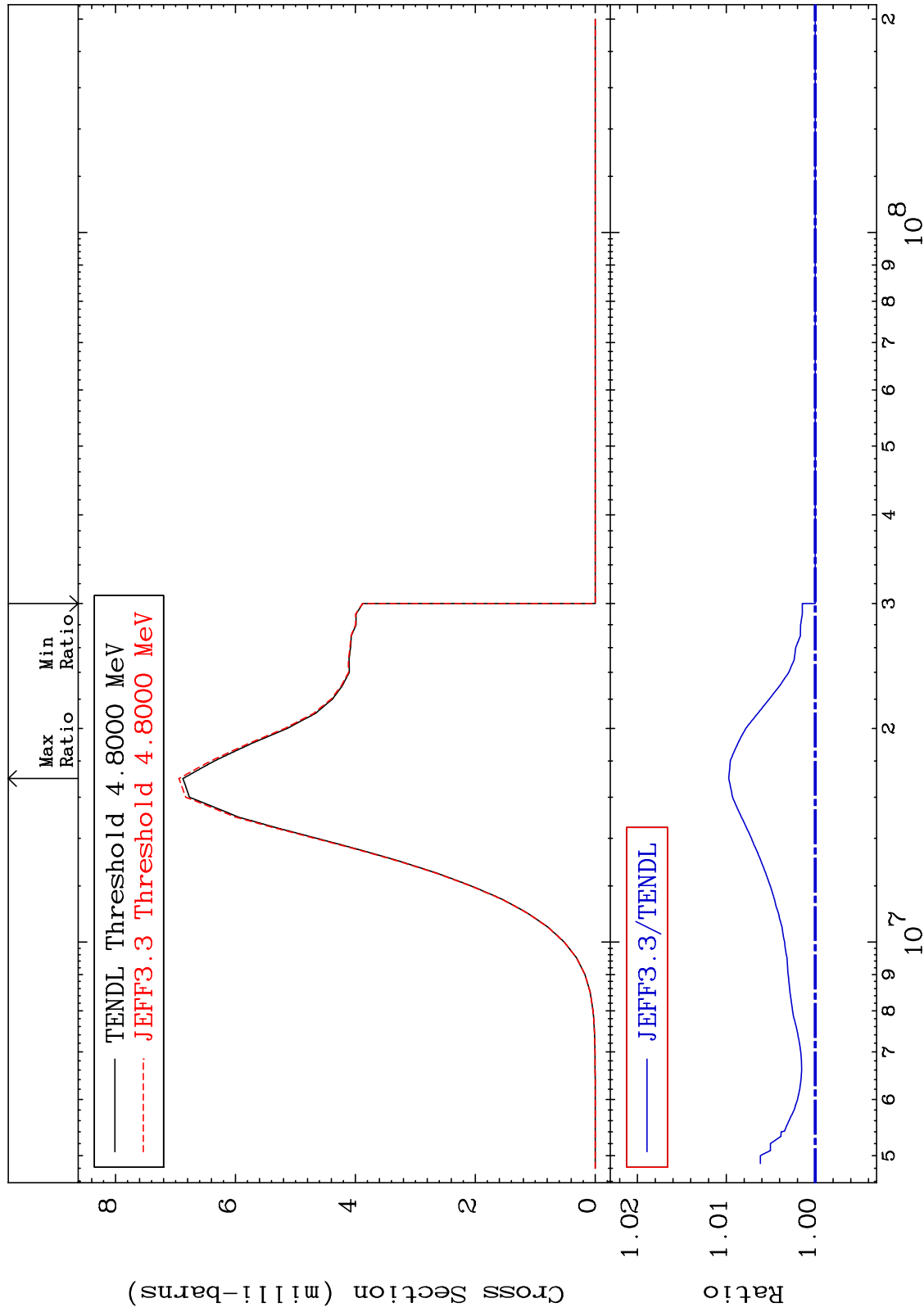
30-Zn-68

MAT 3037

(n,p):29-Cu-68m3

30-Zn-68

Radionuclide Production Cross Section 0.000 To 0.973 %



81

Incident Energy (eV)

30-Zn-68