

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

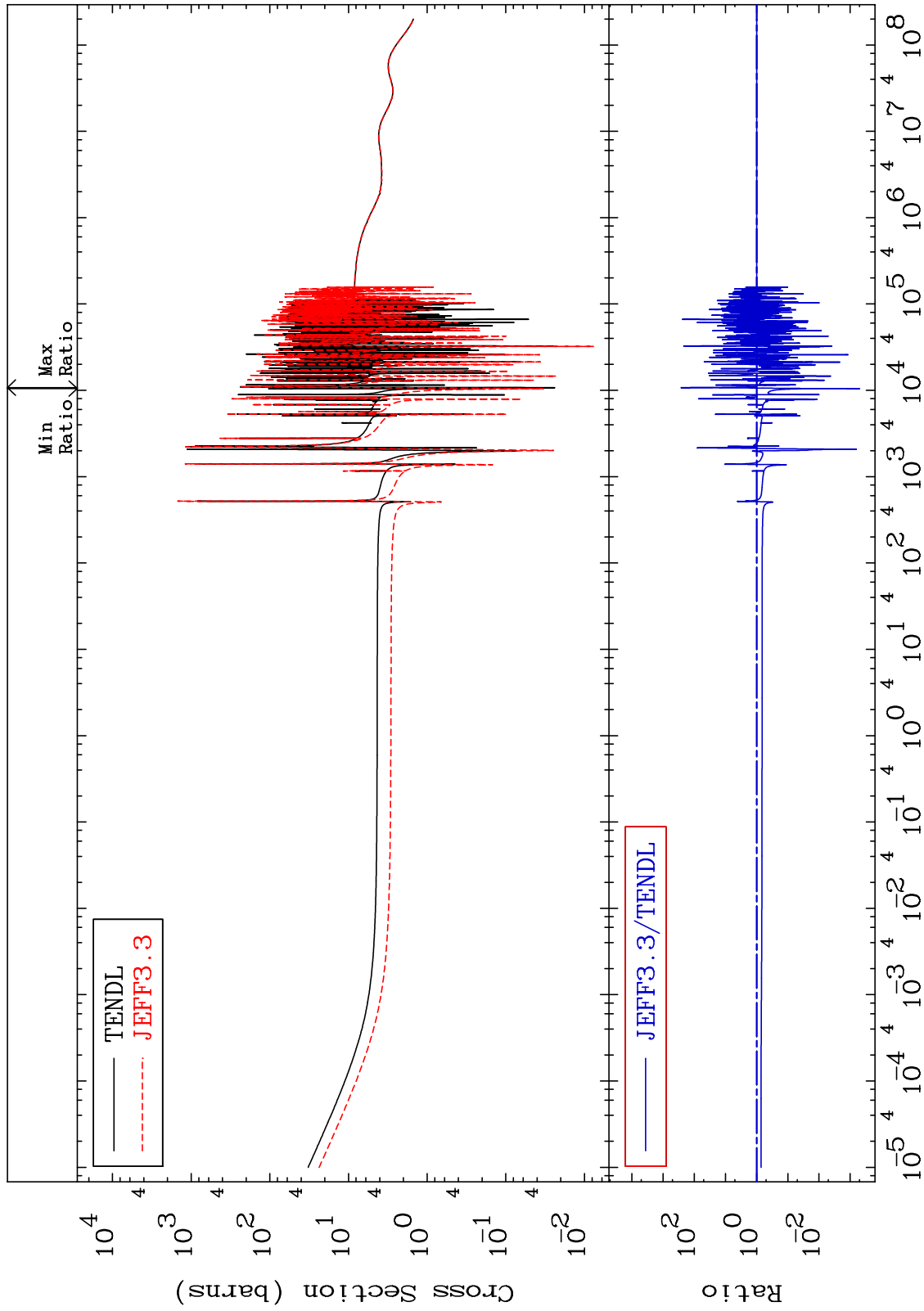
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3643

Total  
Cross Section

36-Kr-84  
-99.95 To 9999. %



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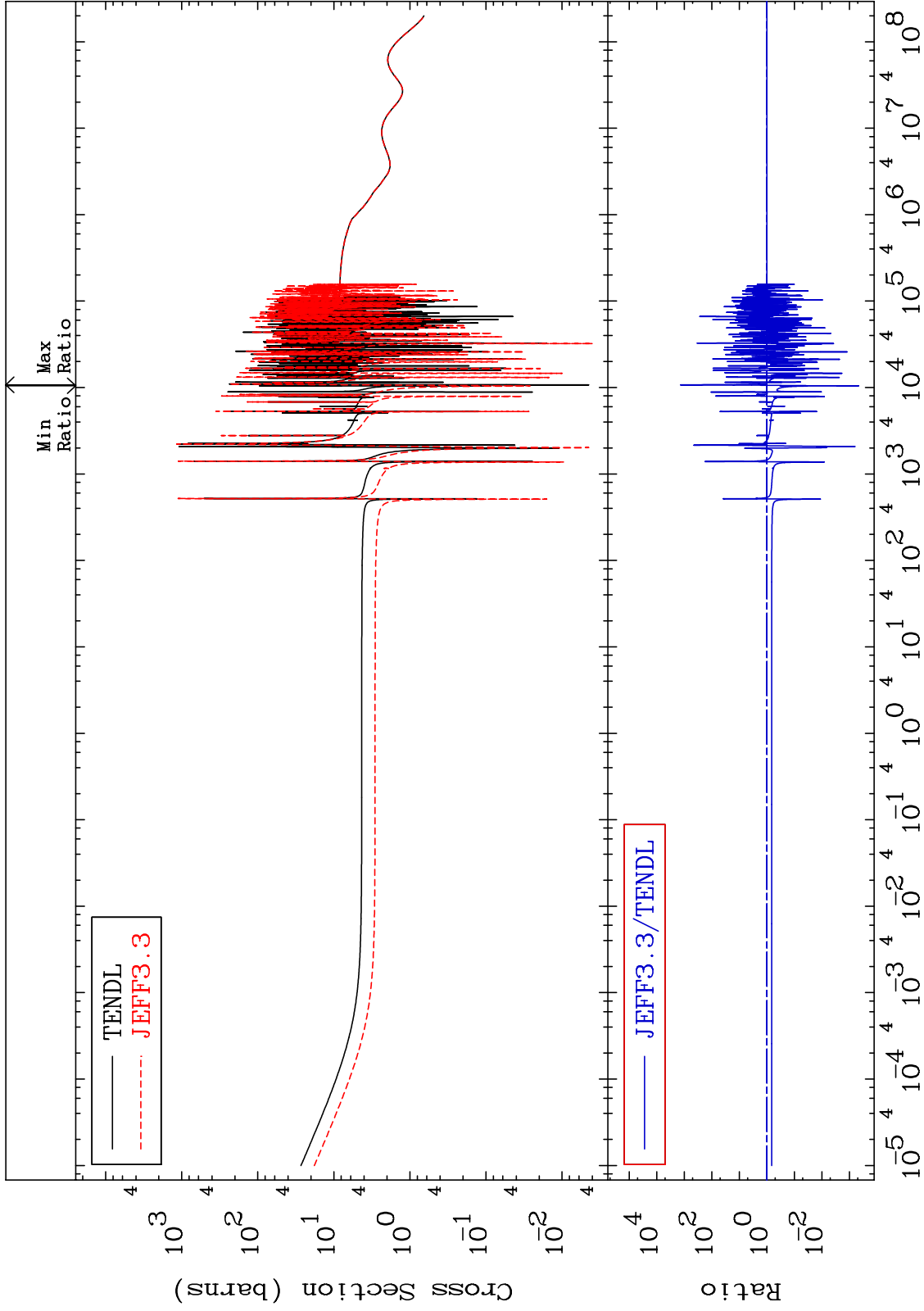
Incident Energy (eV)

36-Kr-84

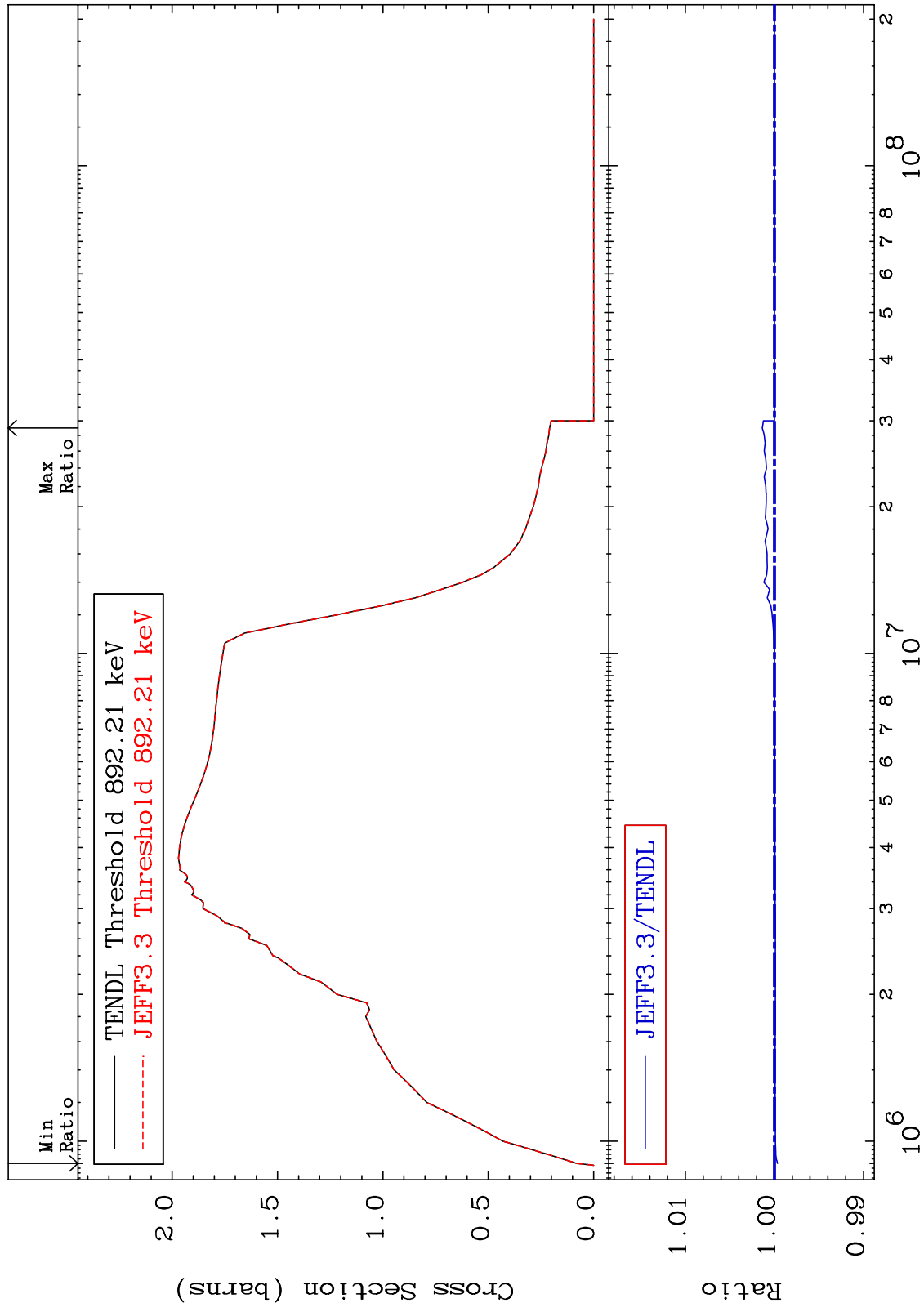
MAT 3643

Elastic  
Cross Section

36-Kr-84  
-99.95 To 9999. %

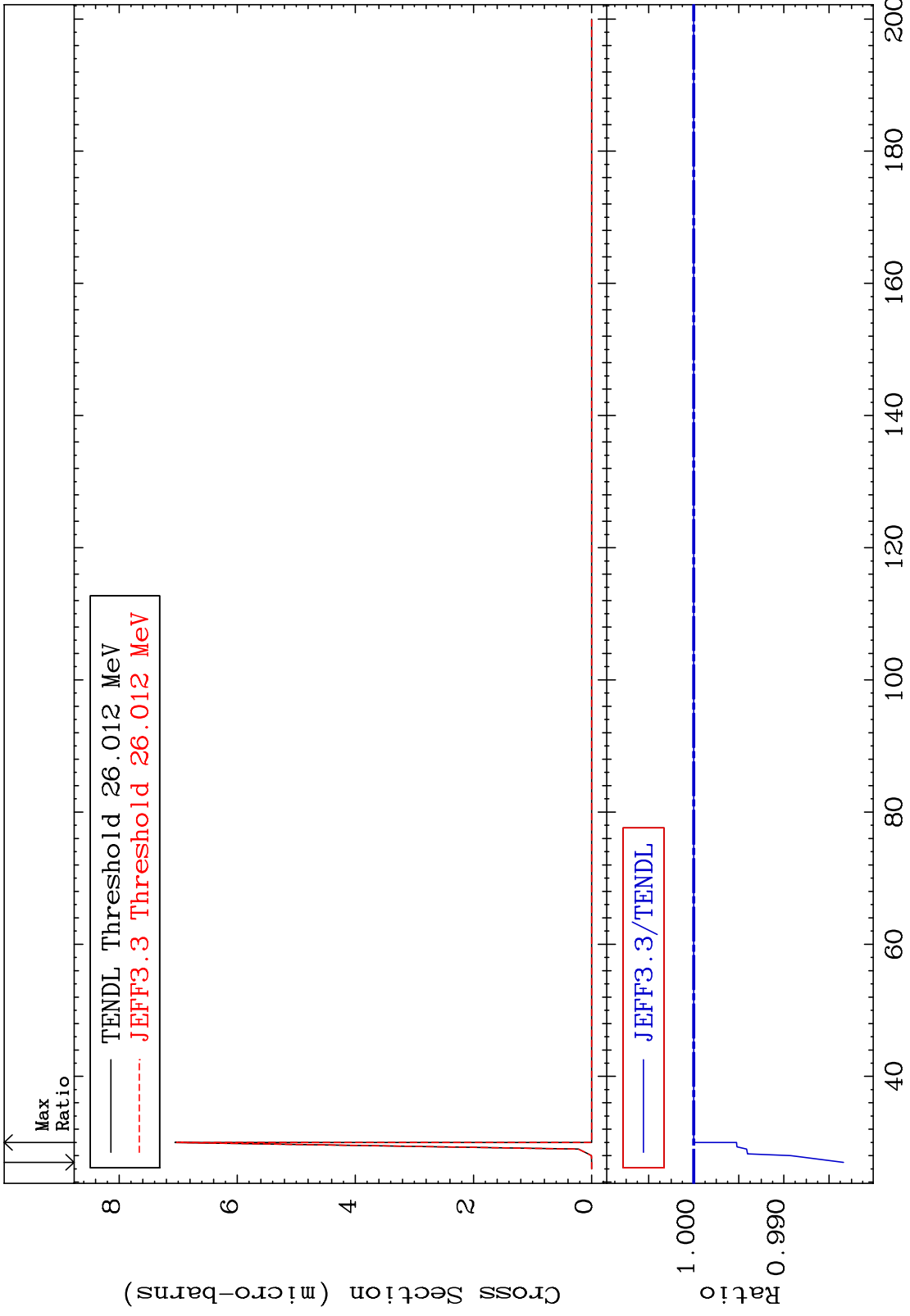


MAT 3643 Inelastic Cross Section 36-Kr-84 -0.036 To 0.136 %

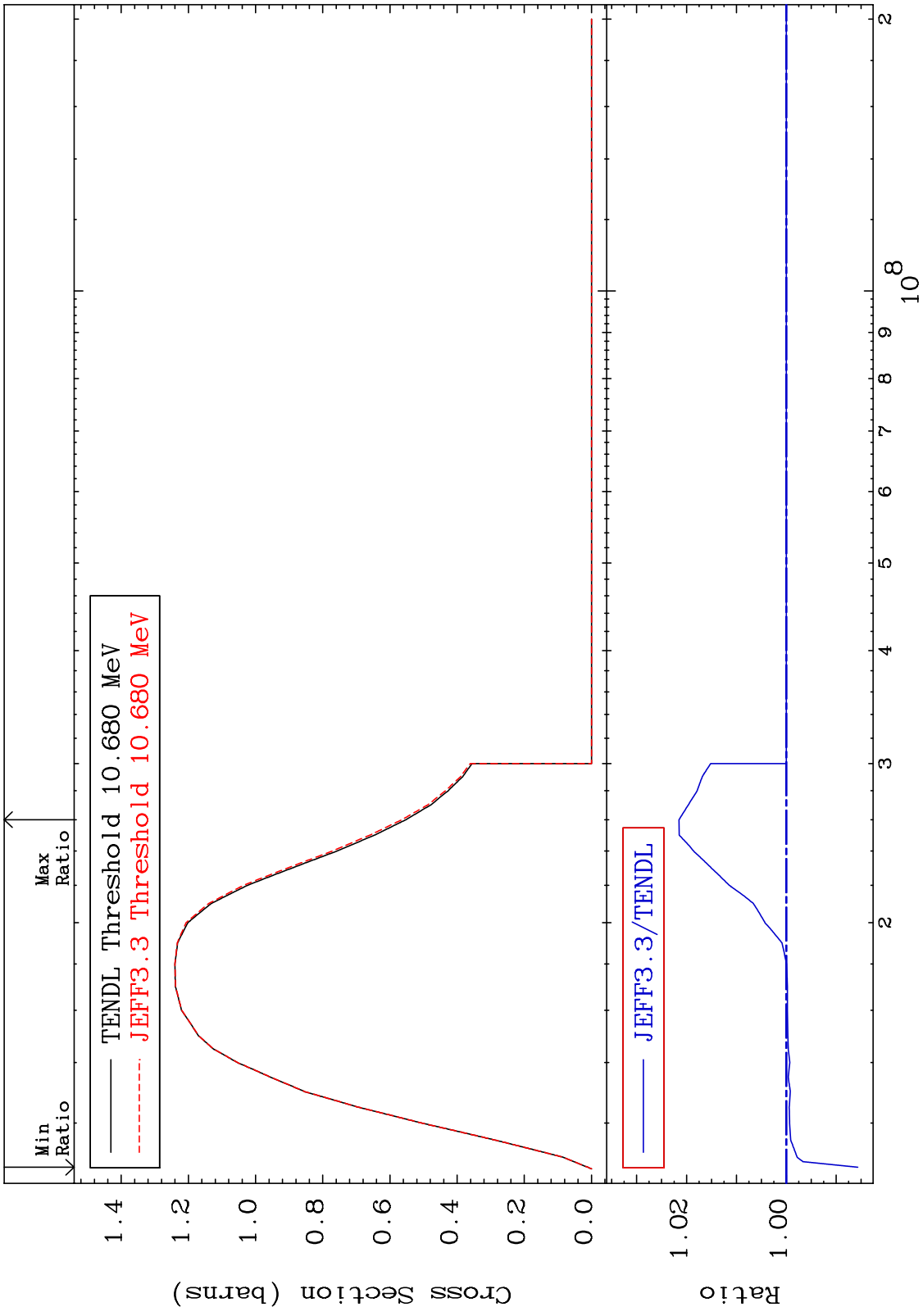


36-Kr-84

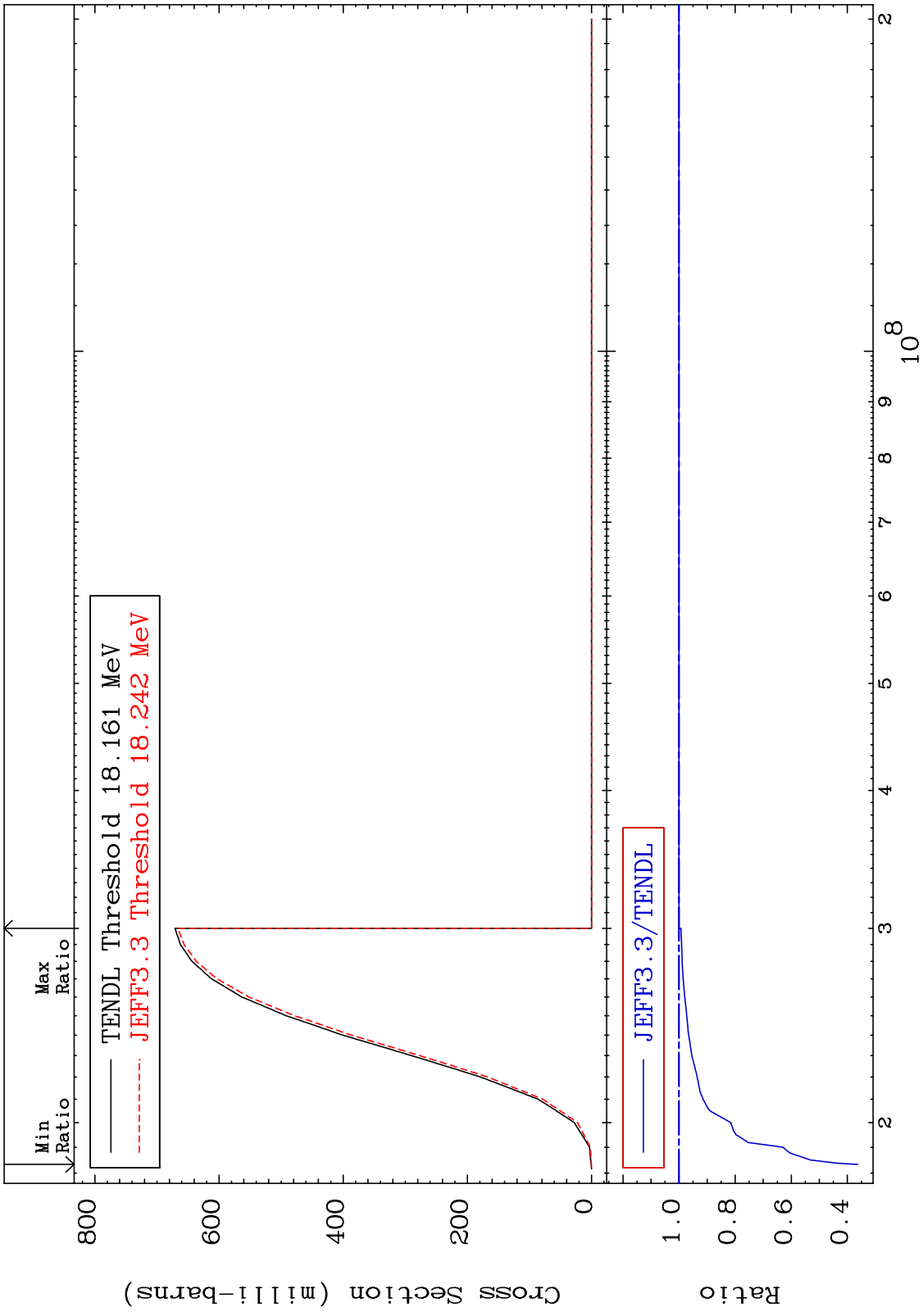
MAT 3643 (n,2n) d 36-Kr-84  
Cross Section -1.660 To 0.000 %



MAT 3643  $(n,2n)$  Cross Section  $^{36}\text{Kr-84}$  -1.435 To 2.150 %



MAT 3643  $(n, 3n)$  Cross Section  $^{36}\text{Kr-84}$   
 -63.73 To 0.000 %



6  $^{36}\text{Kr-84}$

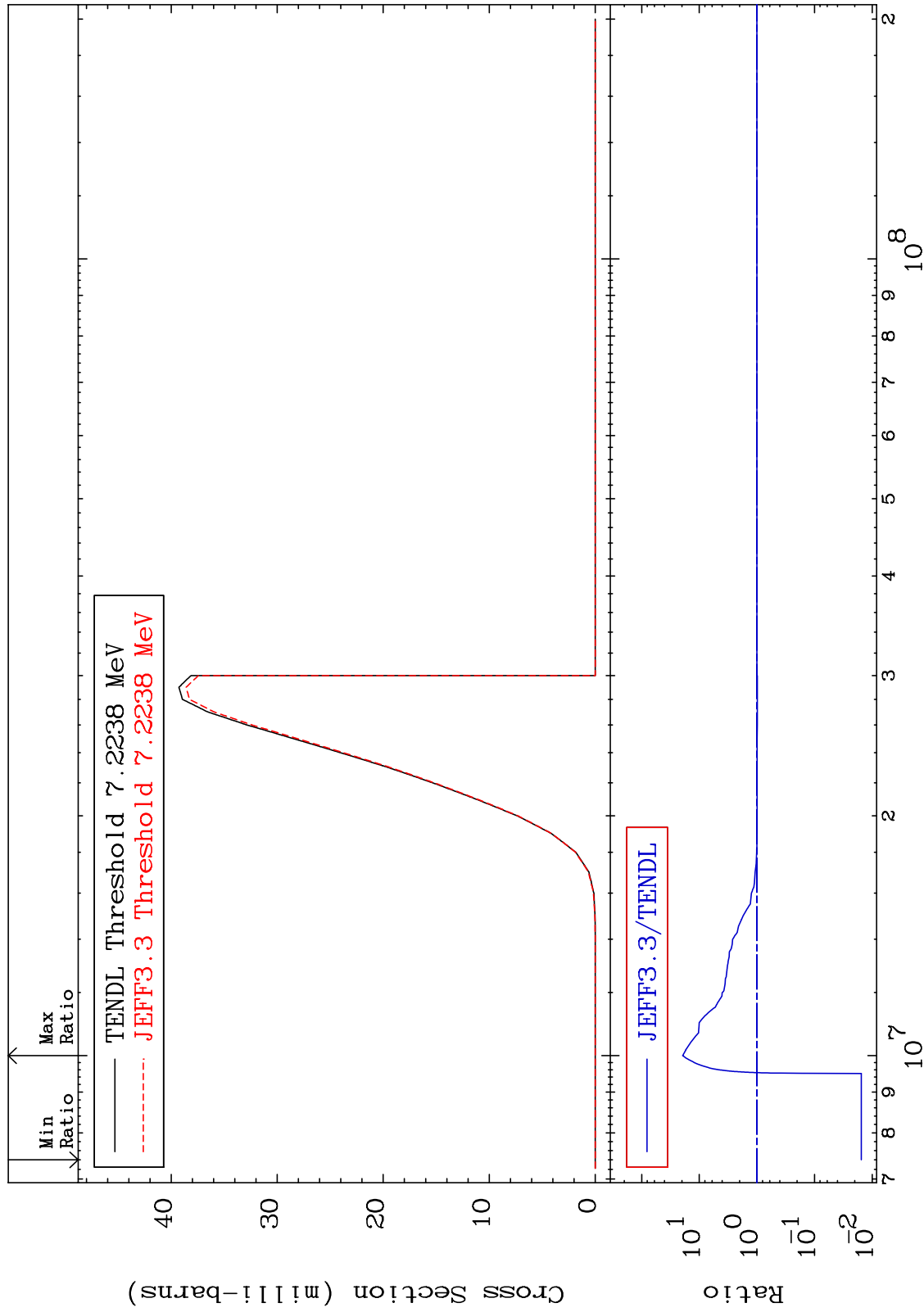
MAT 3643

(n,n')  $\alpha$

36-Kr-84

Cross Section

-98.46 To 1841. %



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Incident Energy (eV)

36-Kr-84



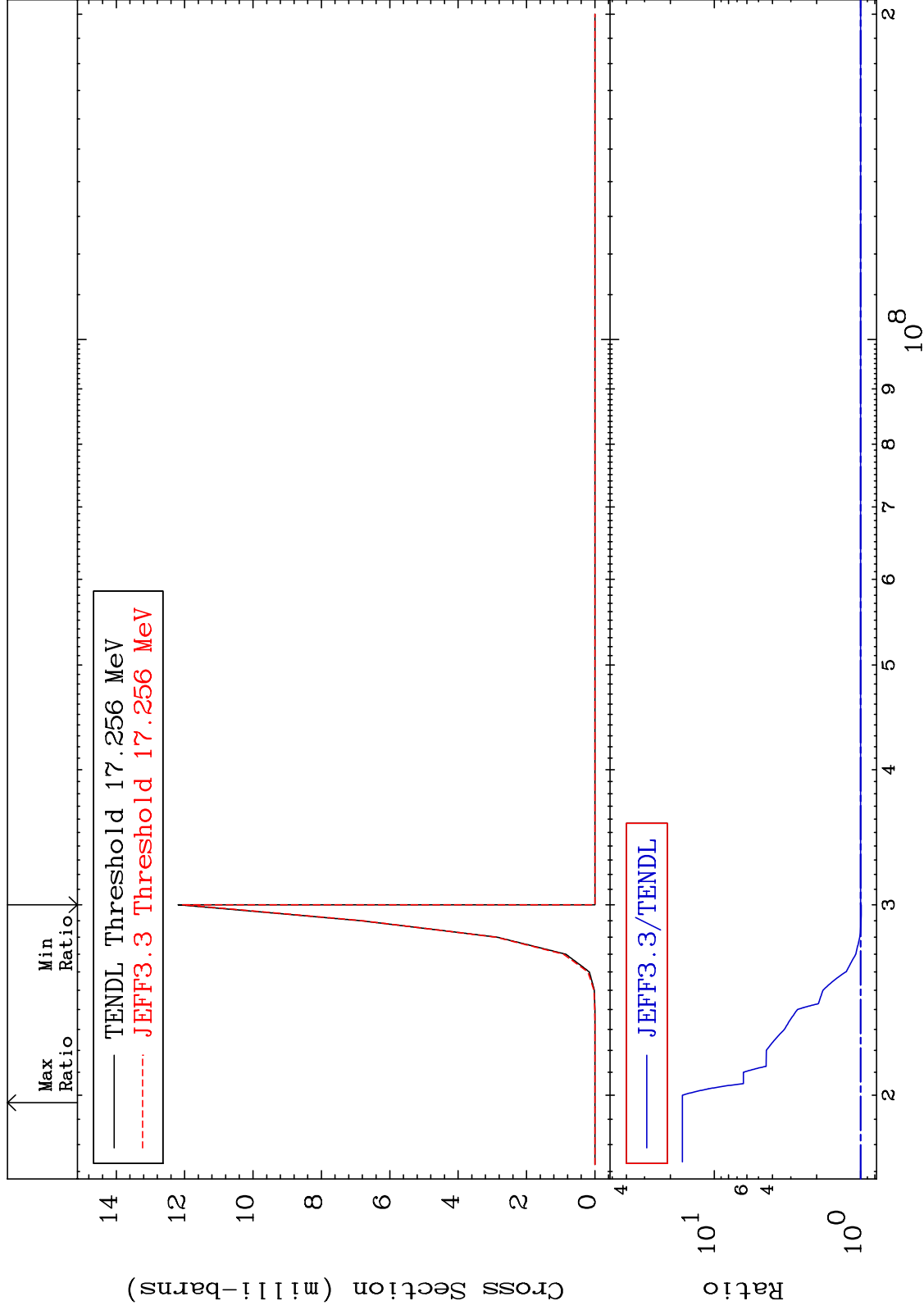
MAT 3643

(n,2n)  $\alpha$

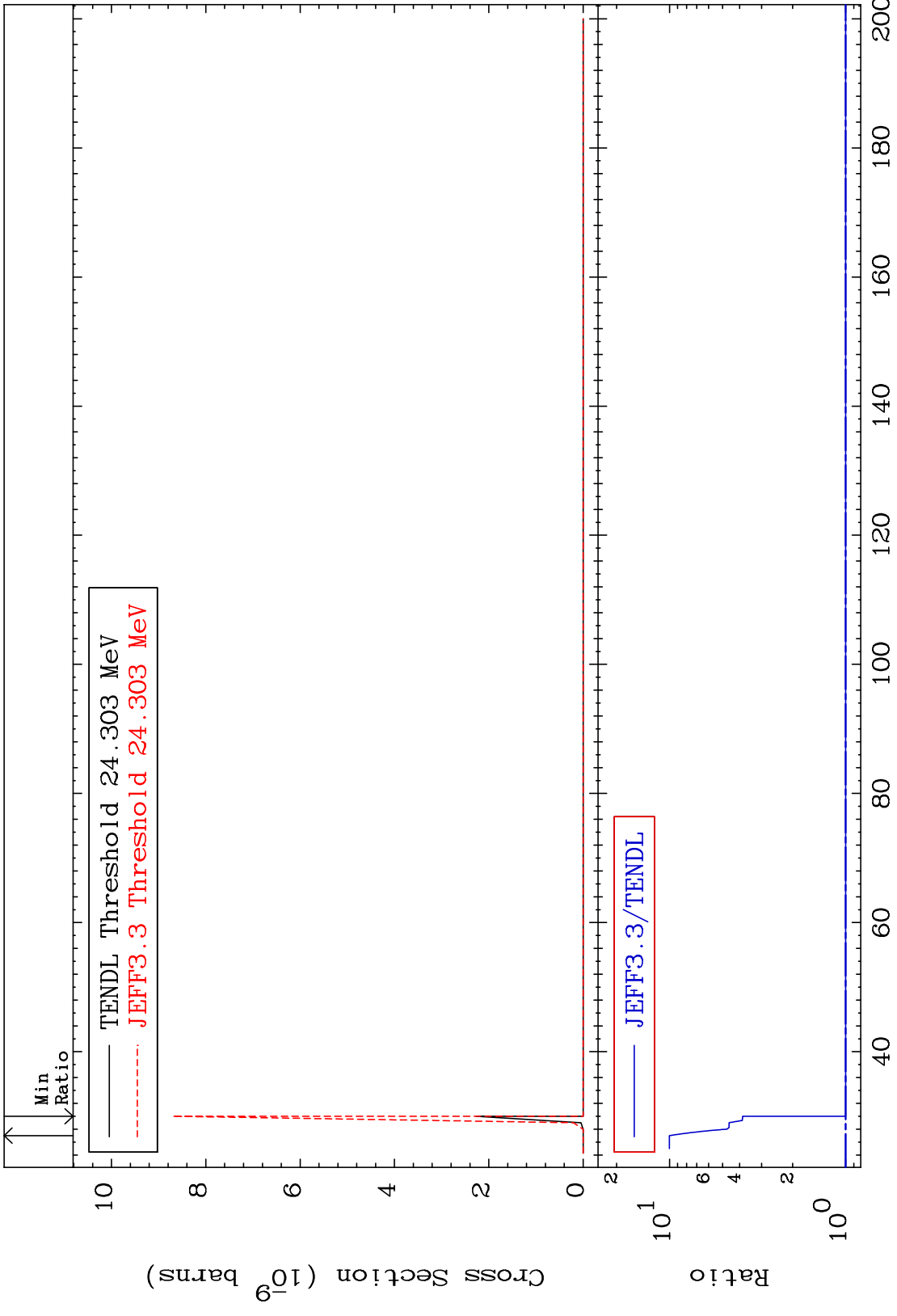
36-Kr-84

Cross Section

-1.047 To 1553. %



MAT 3643  $(n, 3n) \alpha$  36-Kr-84  
Cross Section 0.000 To 901.4 %



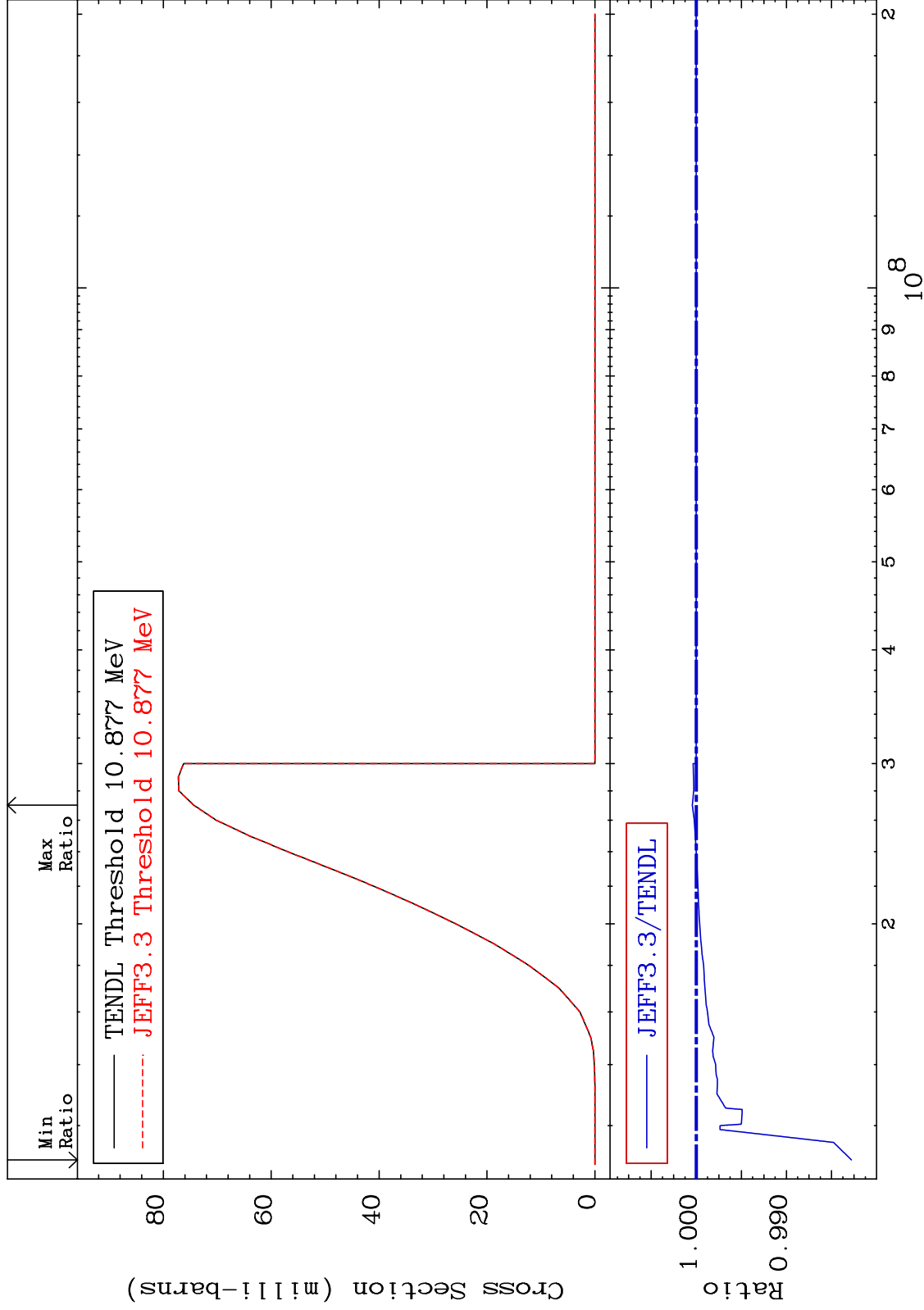
MAT 3643

(n,n') p

<sup>36</sup>Kr-84

-1.721 To 0.044 %

Cross Section

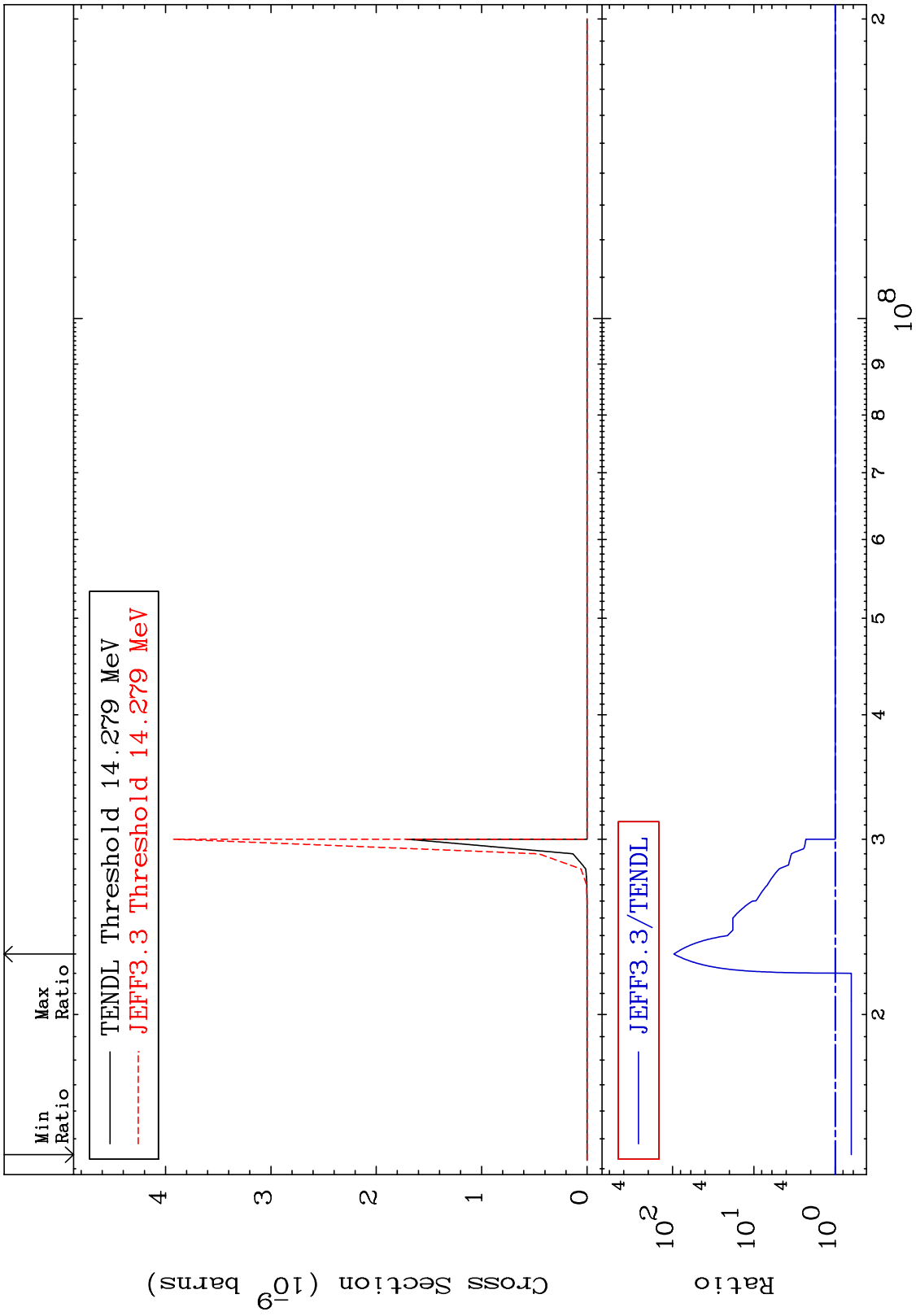


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Incident Energy (eV)

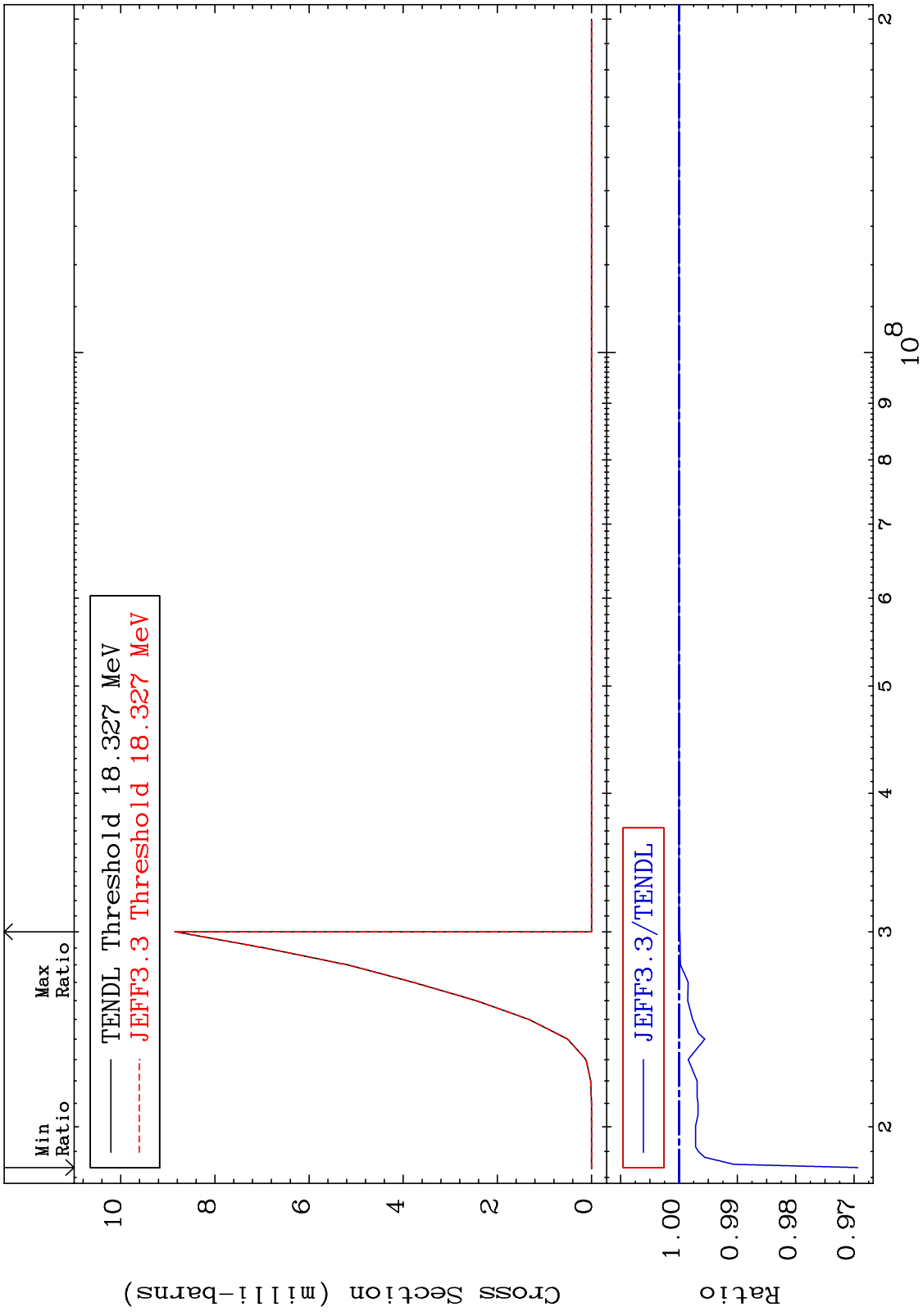
<sup>36</sup>Kr-84

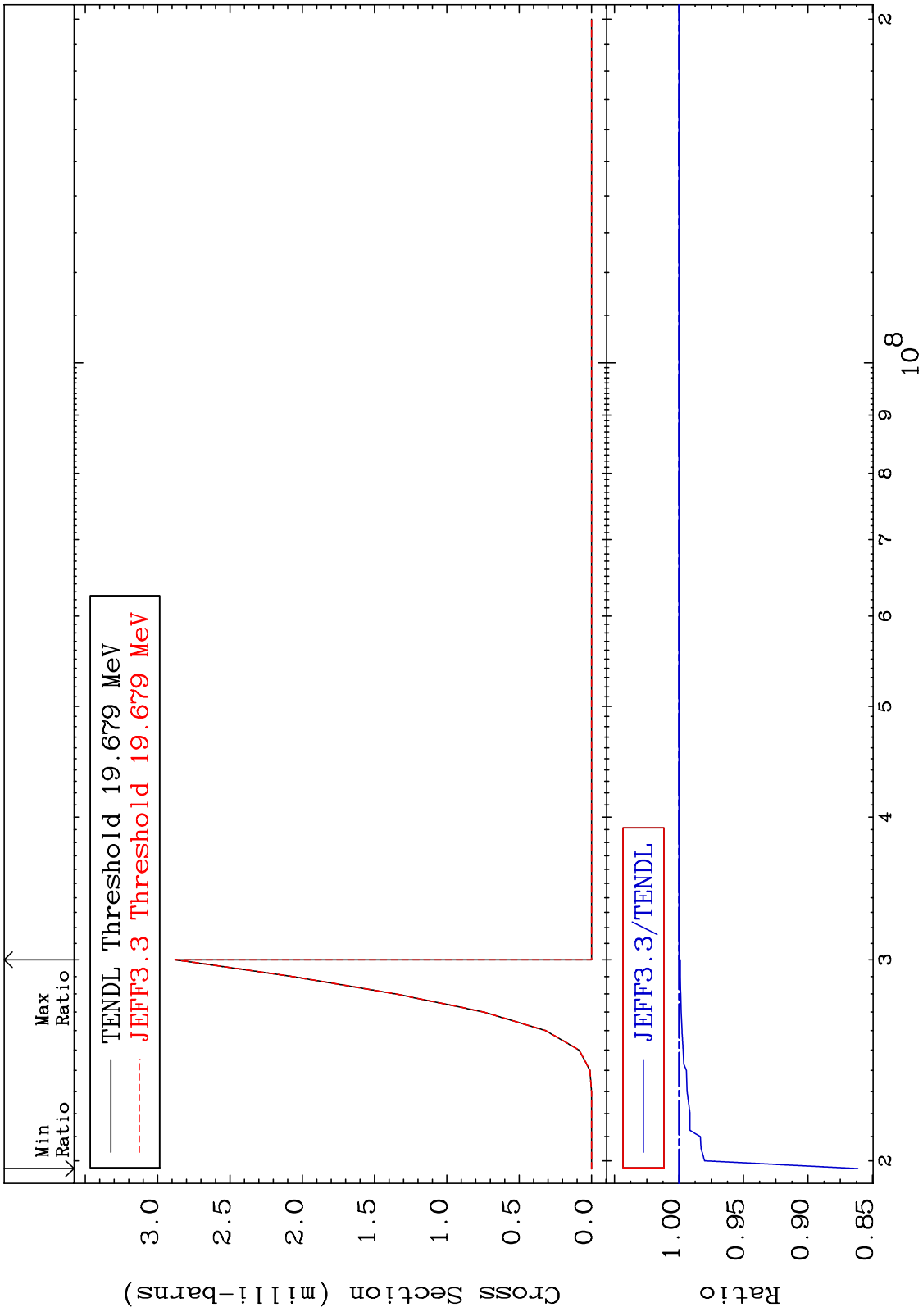
MAT 3643 (n,n') 2α 36-Kr-84  
 Cross Section -36.74 To 9544. %



36-Kr-84

MAT 3643  $(n, n')$  d  $^{36}\text{Kr-84}$   
 Cross Section  $-3.063$  To  $0.000$  %

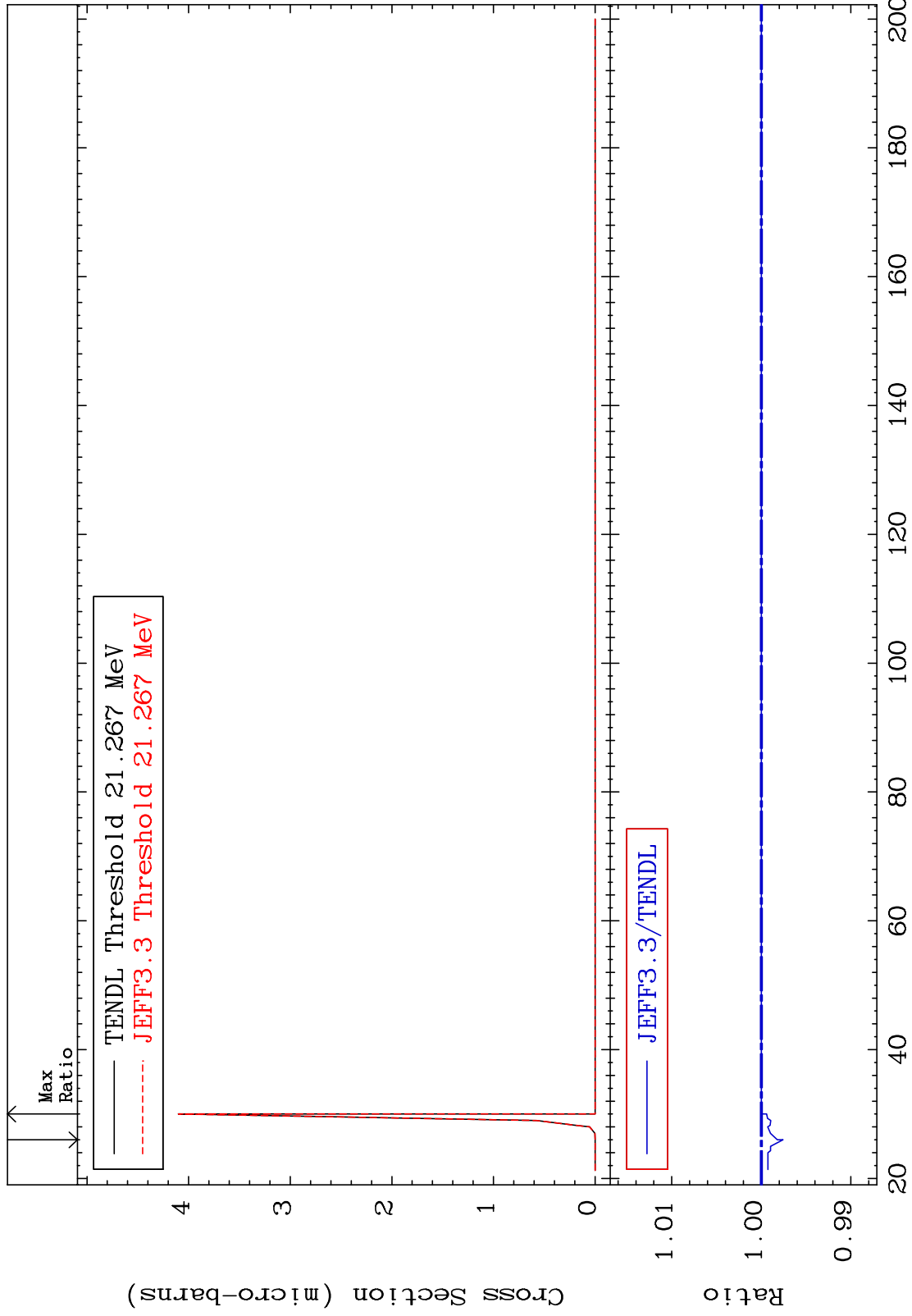




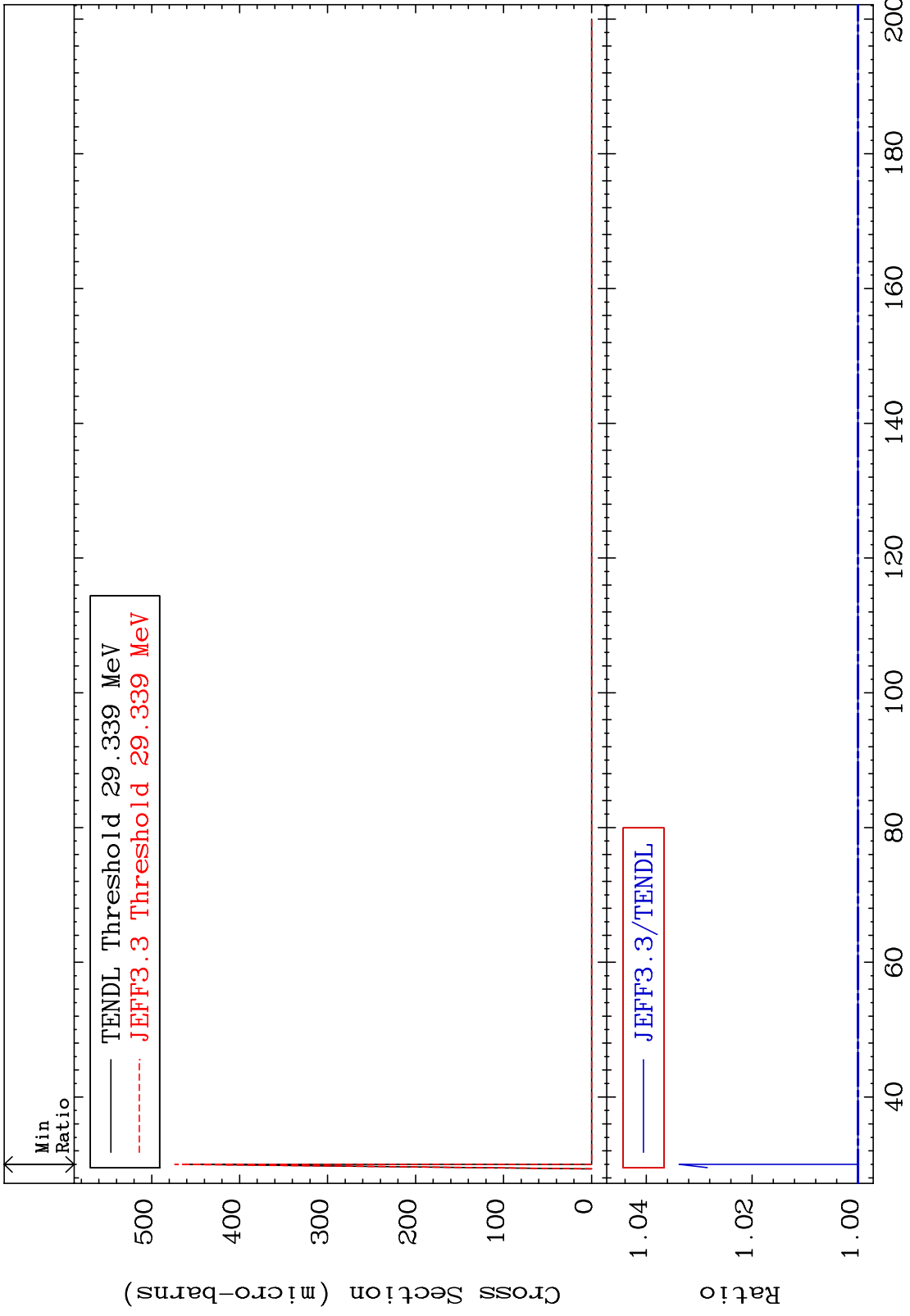
MAT 3643

(n, n') He-3  
Cross Section

36-Kr-84  
-0.241 To 0.000 %



MAT 3643  $(n,4n)$  Cross Section 36-Kr-84 To 3.379 %

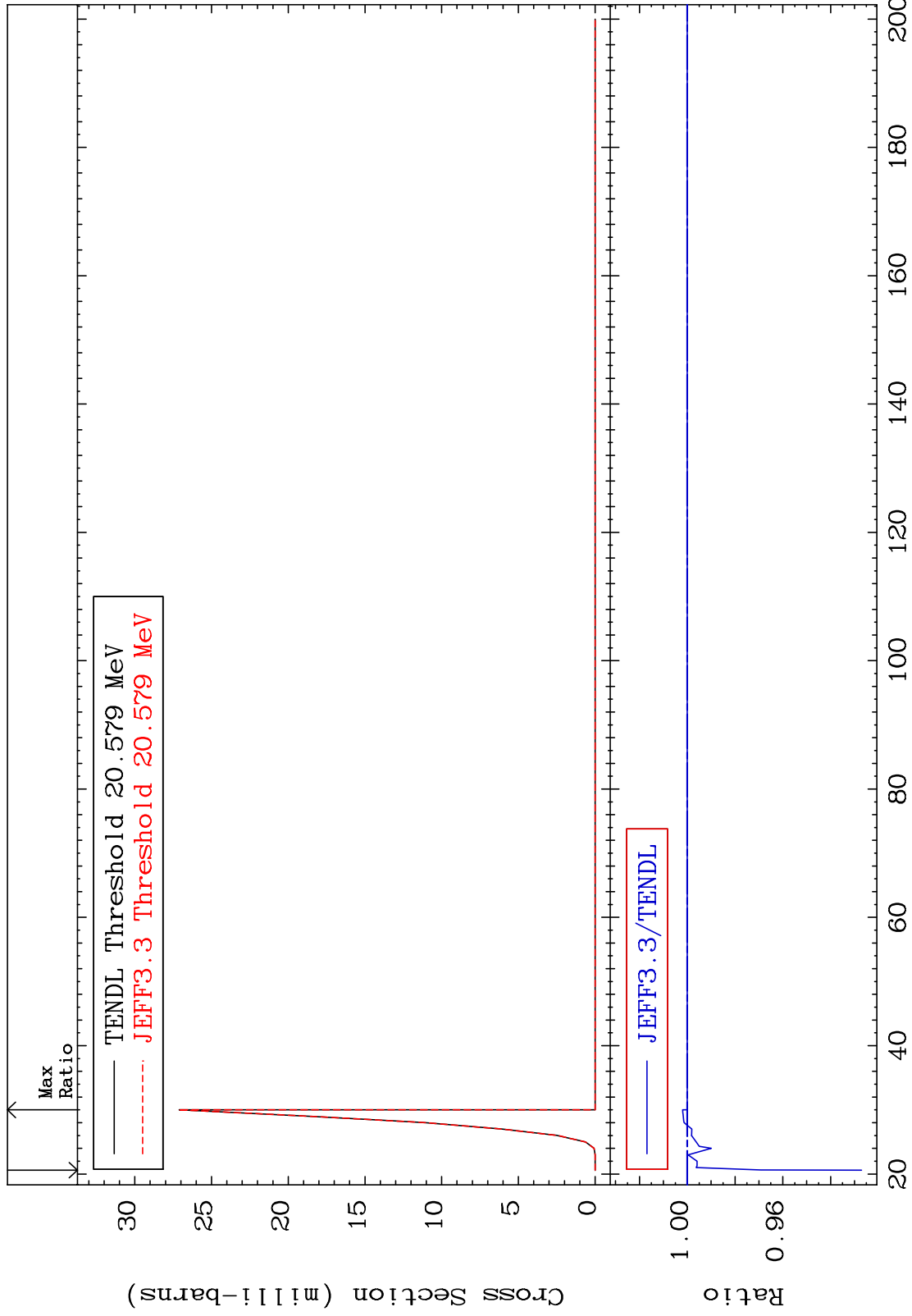




MAT 3643

(n,2n) p  
Cross Section

36-Kr-84  
-7.297 To 0.191 %

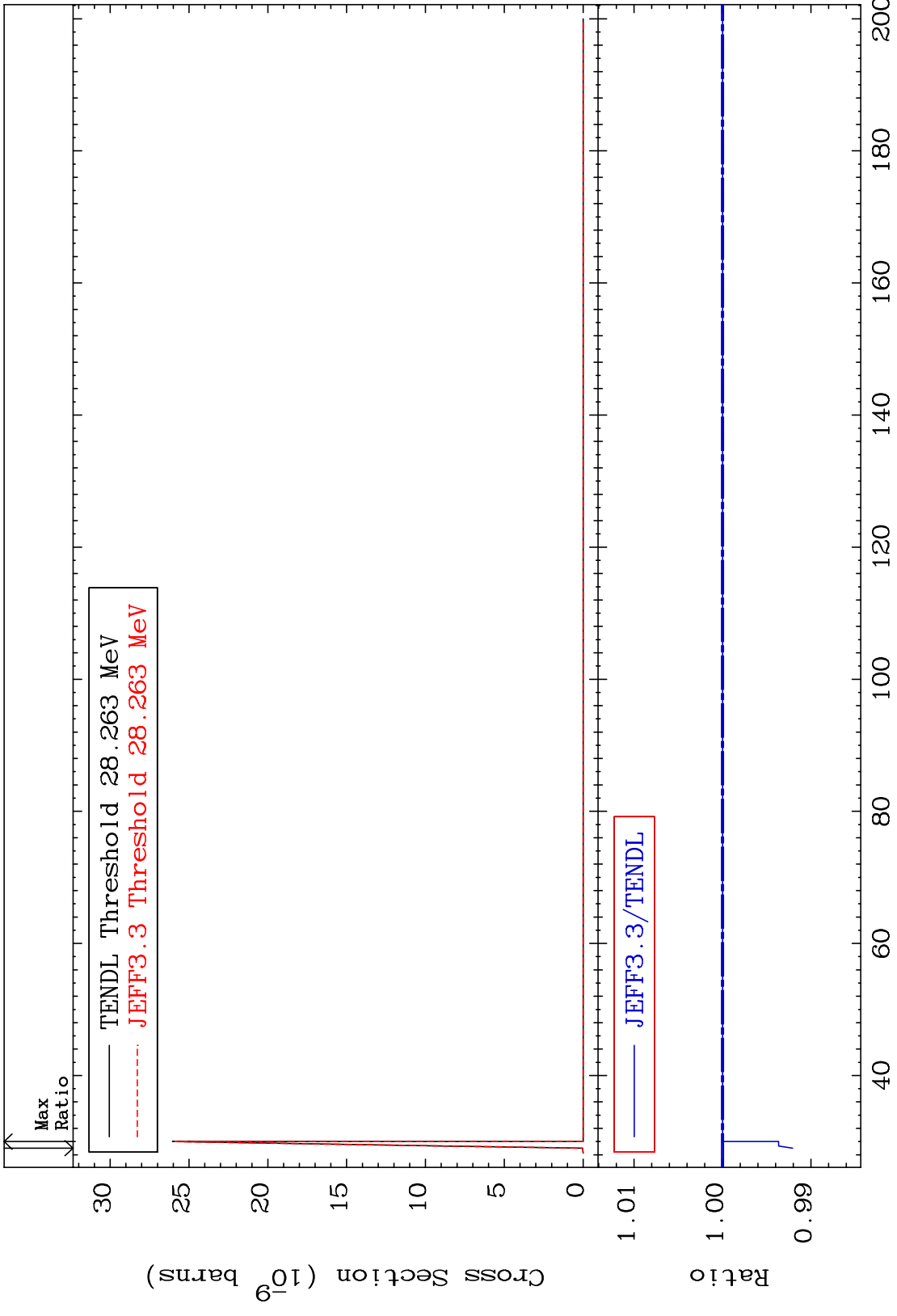


16

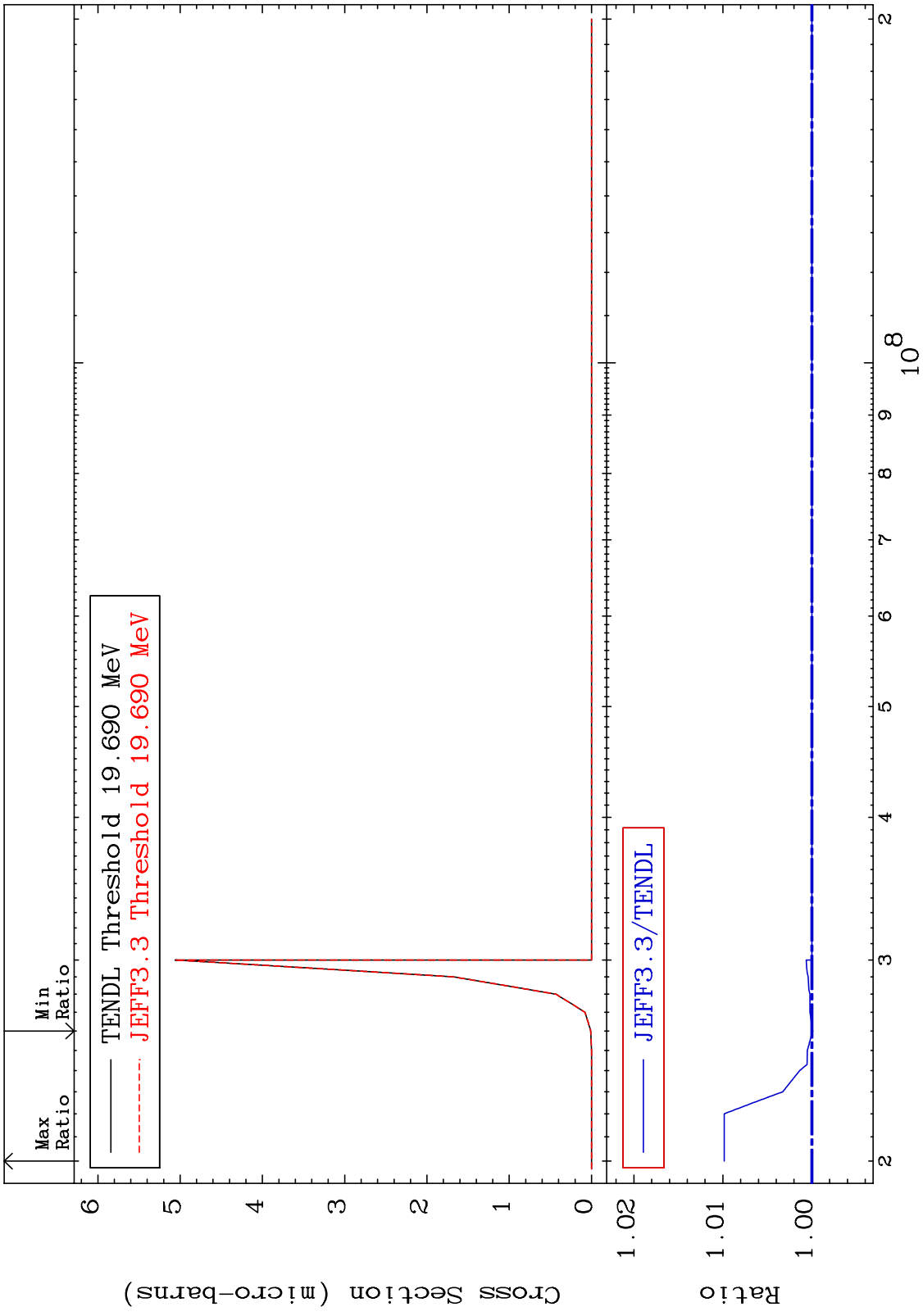
Incident Energy (MeV)

36-Kr-84

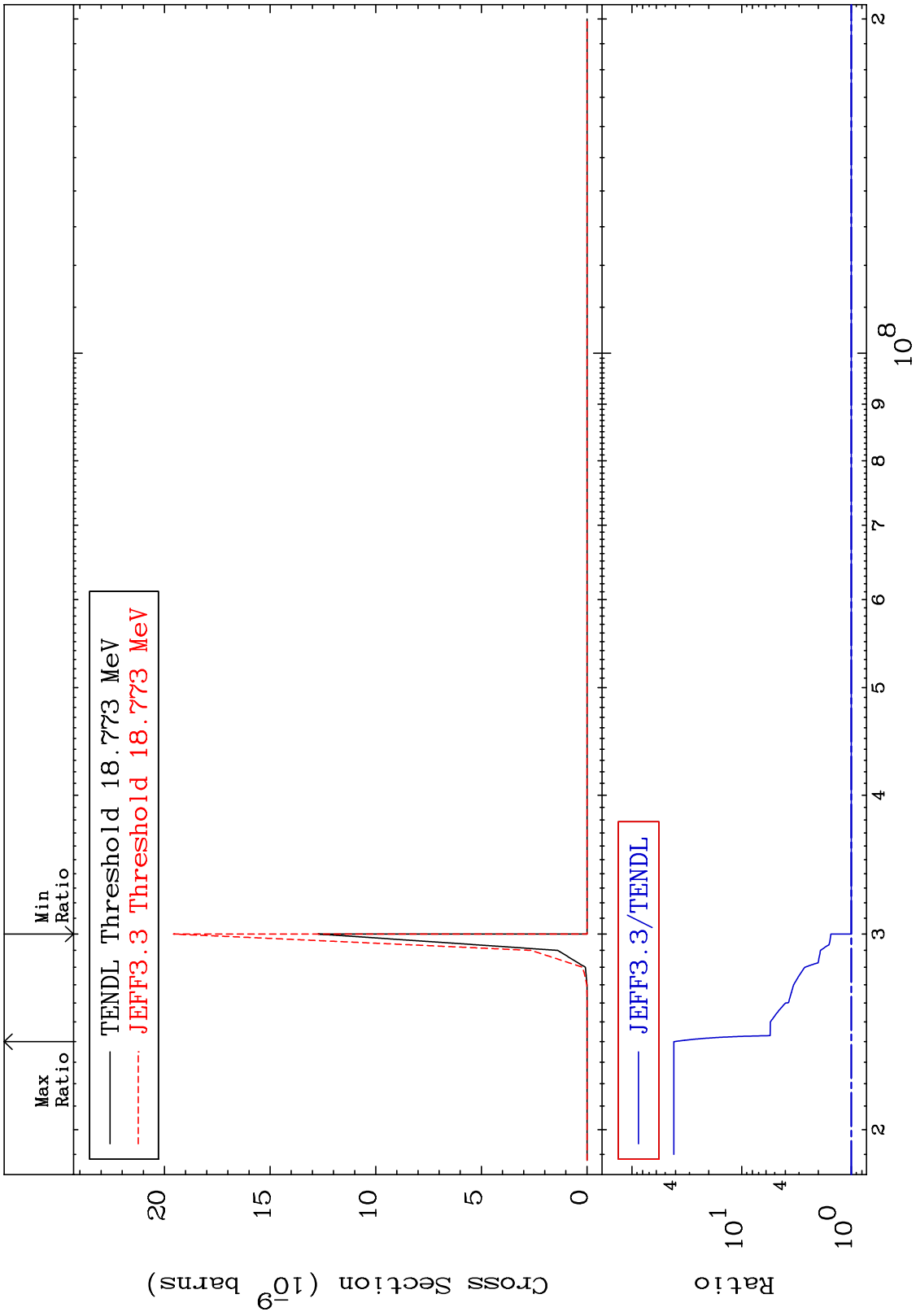
MAT 3643 (n,3n) p 36-Kr-84  
 Cross Section -0.793 To 0.000 %



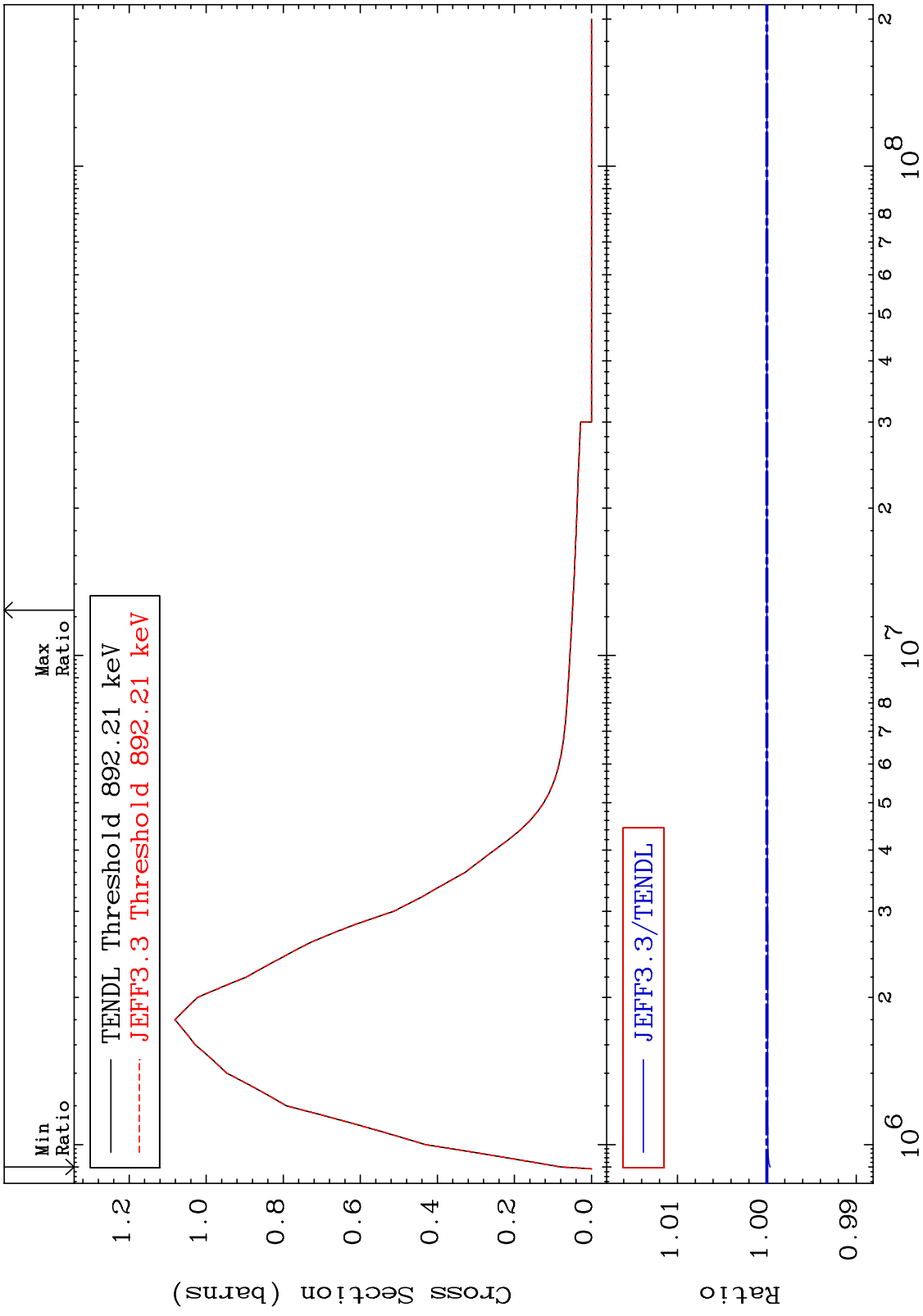
MAT 3643  $(n, 2n) p$  36-Kr-84  
 Cross Section -0.010 To 0.986 %



MAT 3643 (n,n') p  $\alpha$  36-Kr-84  
 Cross Section To 4052. %

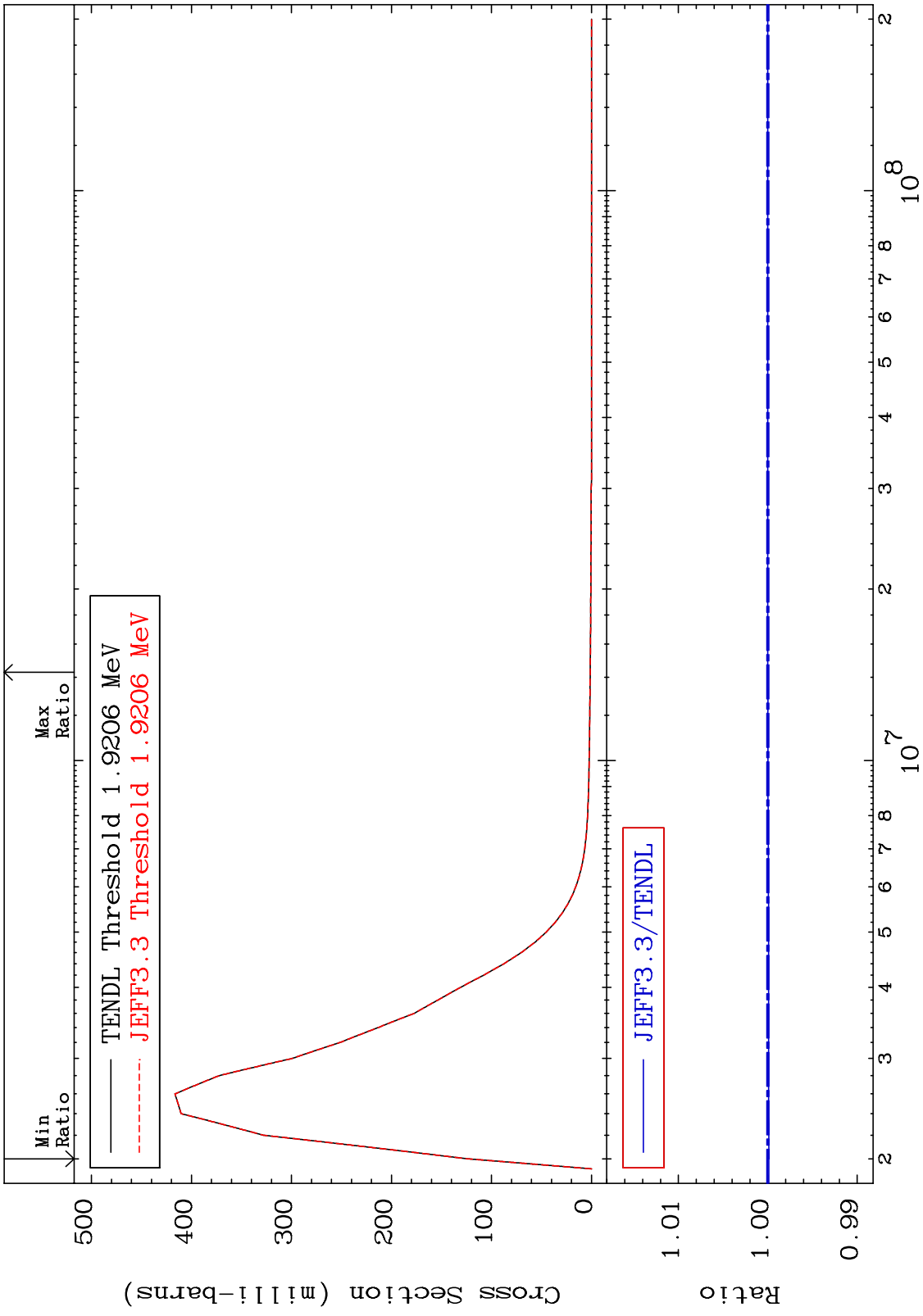


MAT 3643 MT= 51 (n,n') Level Cross Section -0.036 To 0.000 % 36-Kr-84

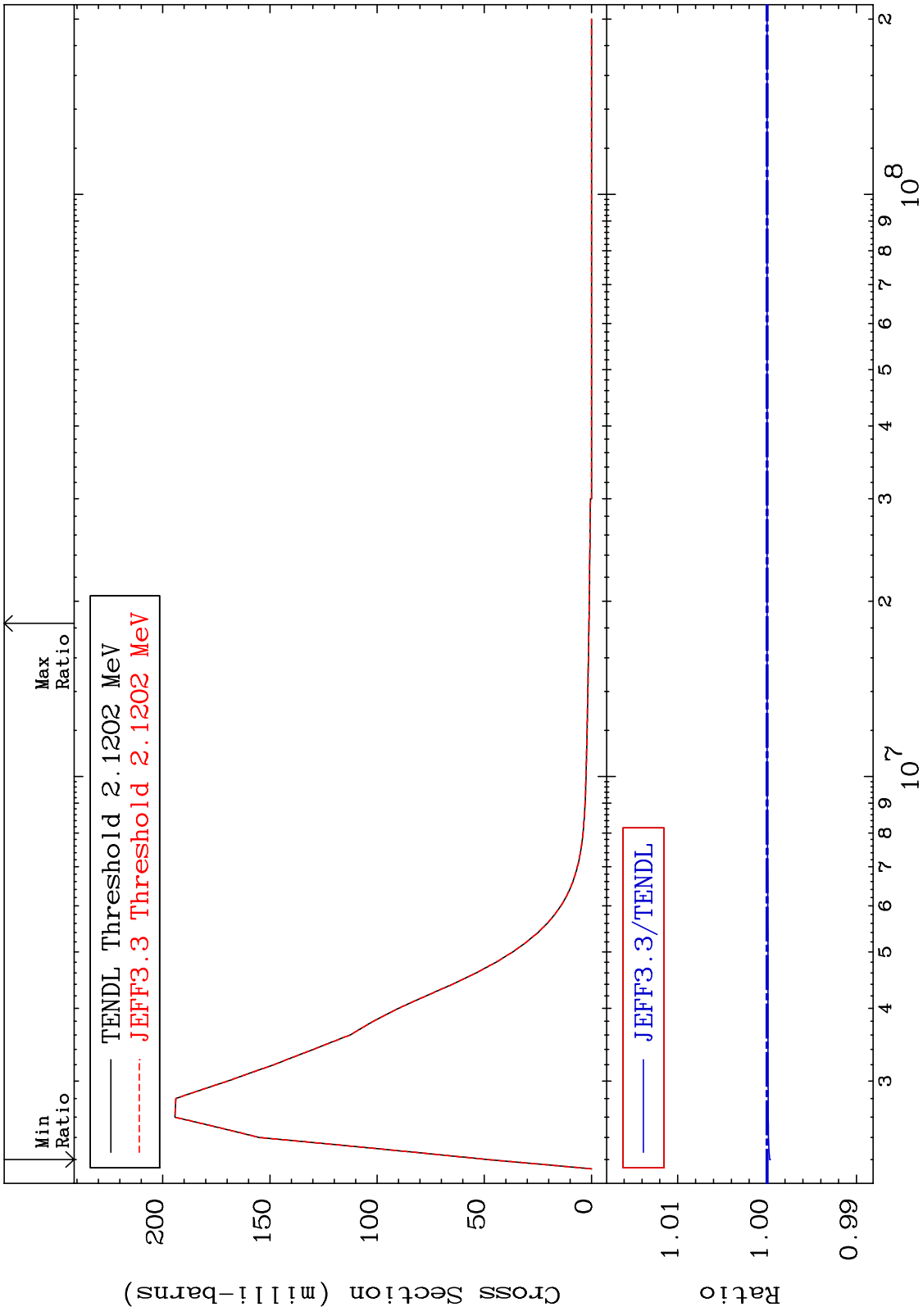


36-Kr-84

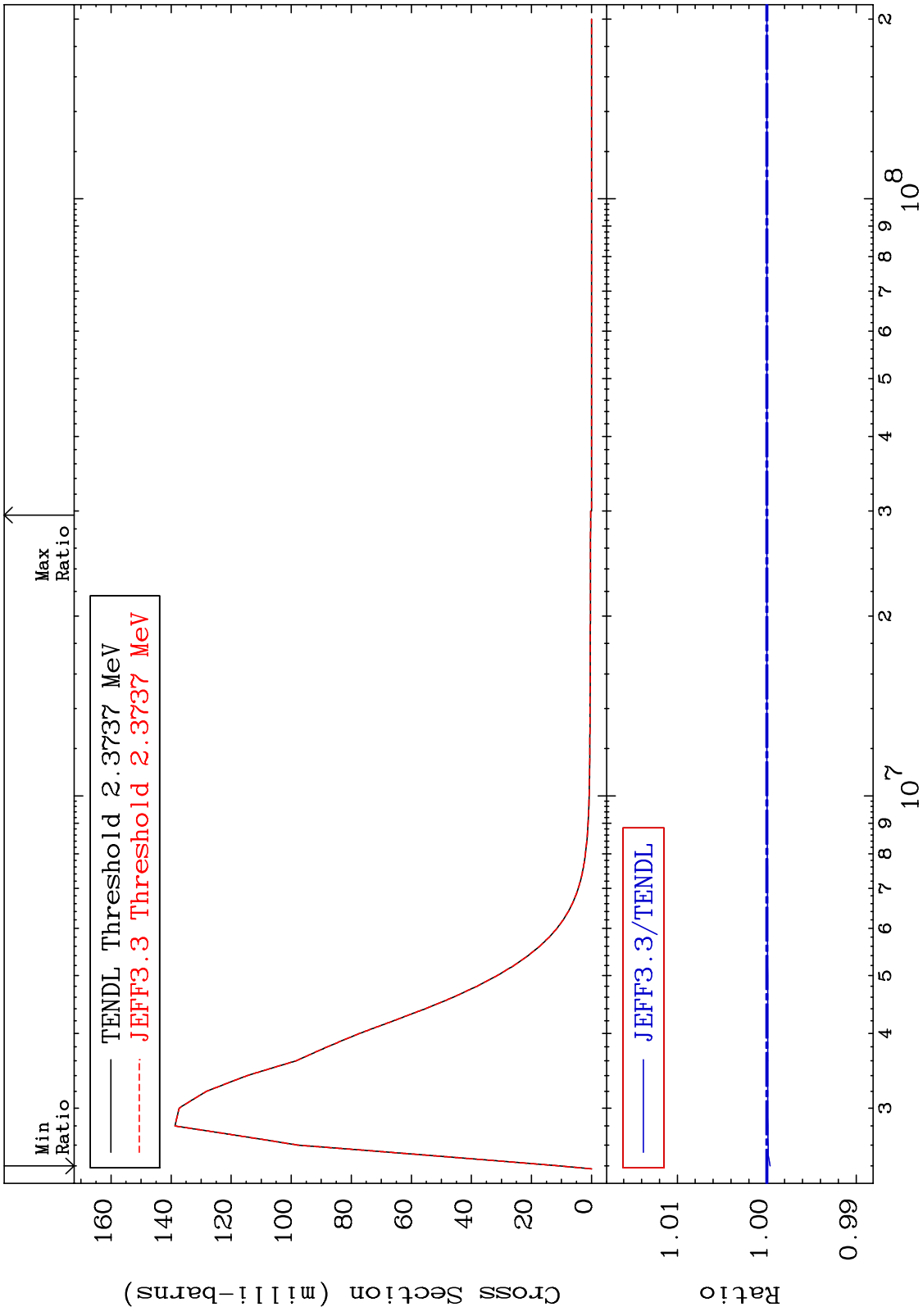
MAT 3643 MT= 53 (n,n') Level Cross Section 36-Kr-84  
 -0.014 To 0.000 %



MAT 3643 MT= 54 (n,n') Level Cross Section 36-Kr-84  
 -0.030 To 0.000 %

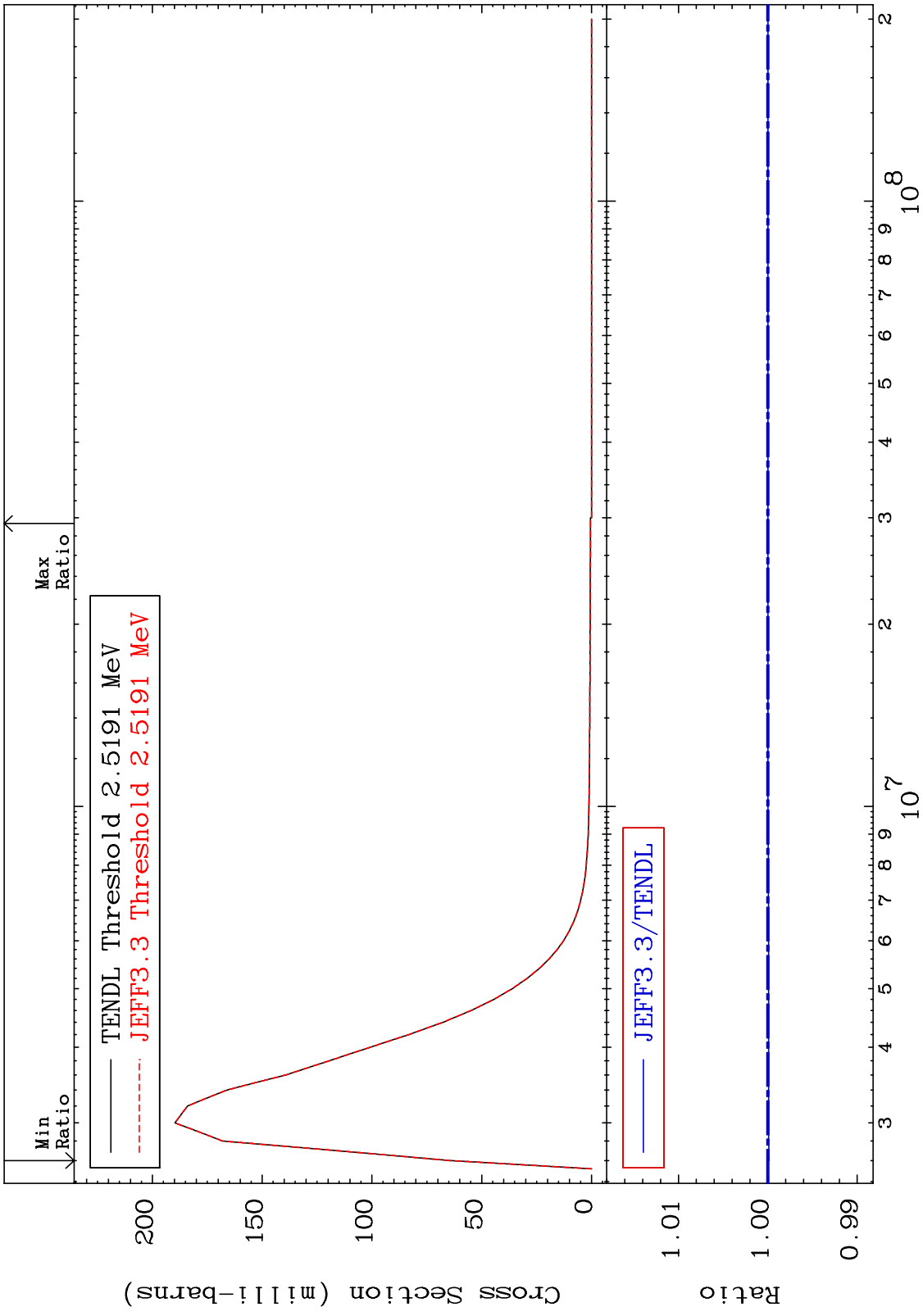


MAT 3643 MT= 55 (n,n') Level Cross Section -0.037 To 0.000 % 36-Kr-84

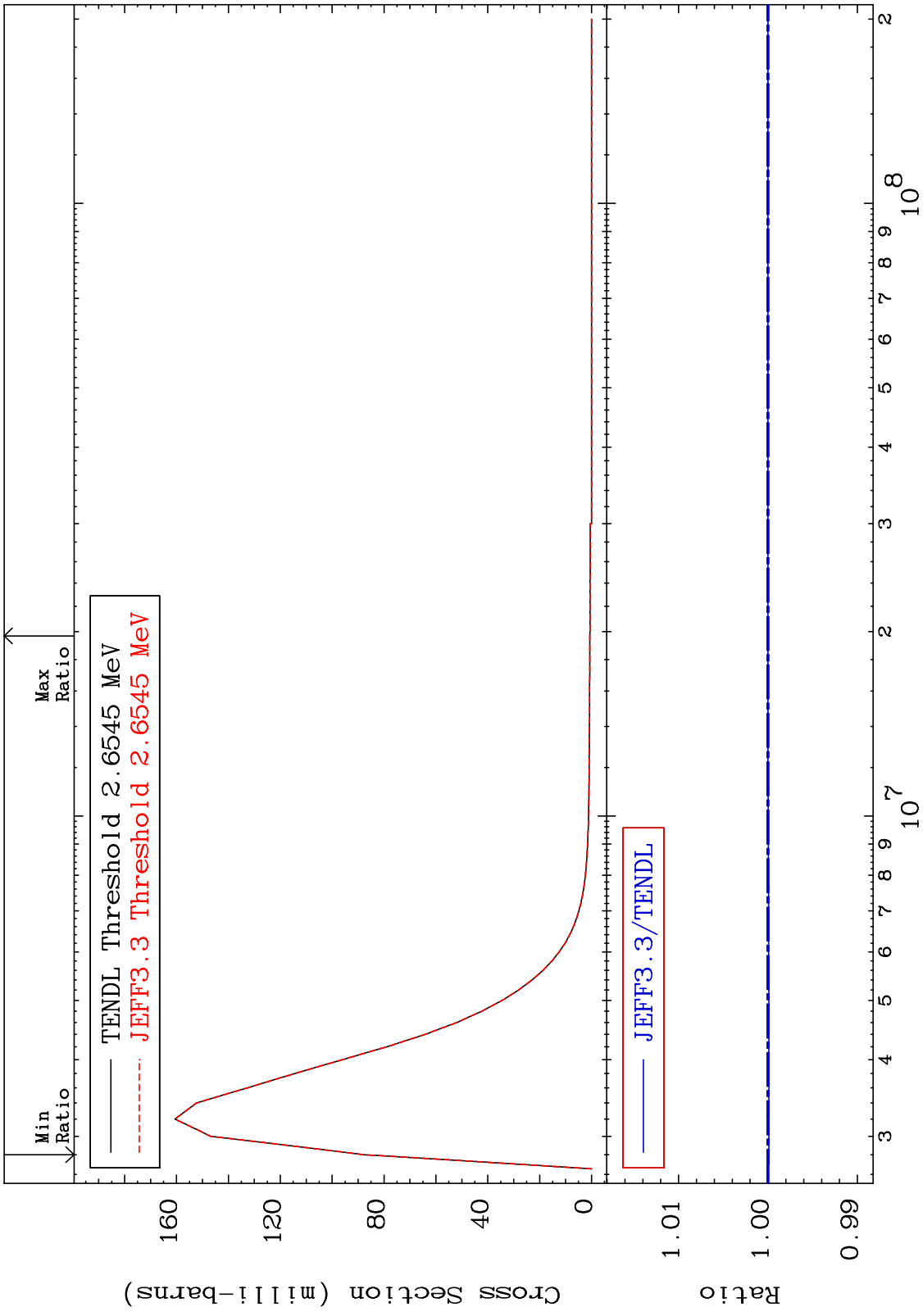




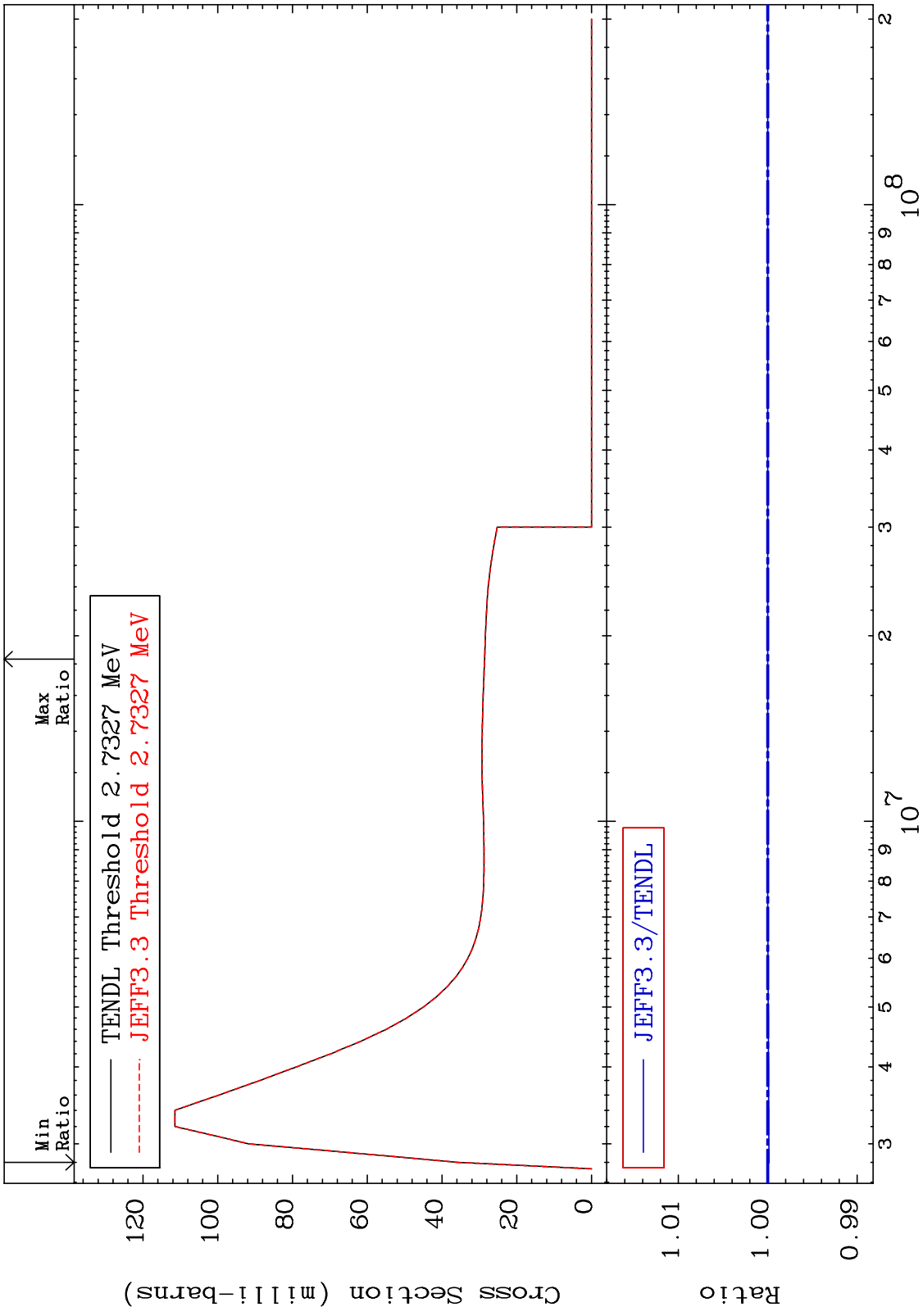
MAT 3643 MT= 56 (n,n') Level Cross Section -0.013 To 0.000 % 36-Kr-84



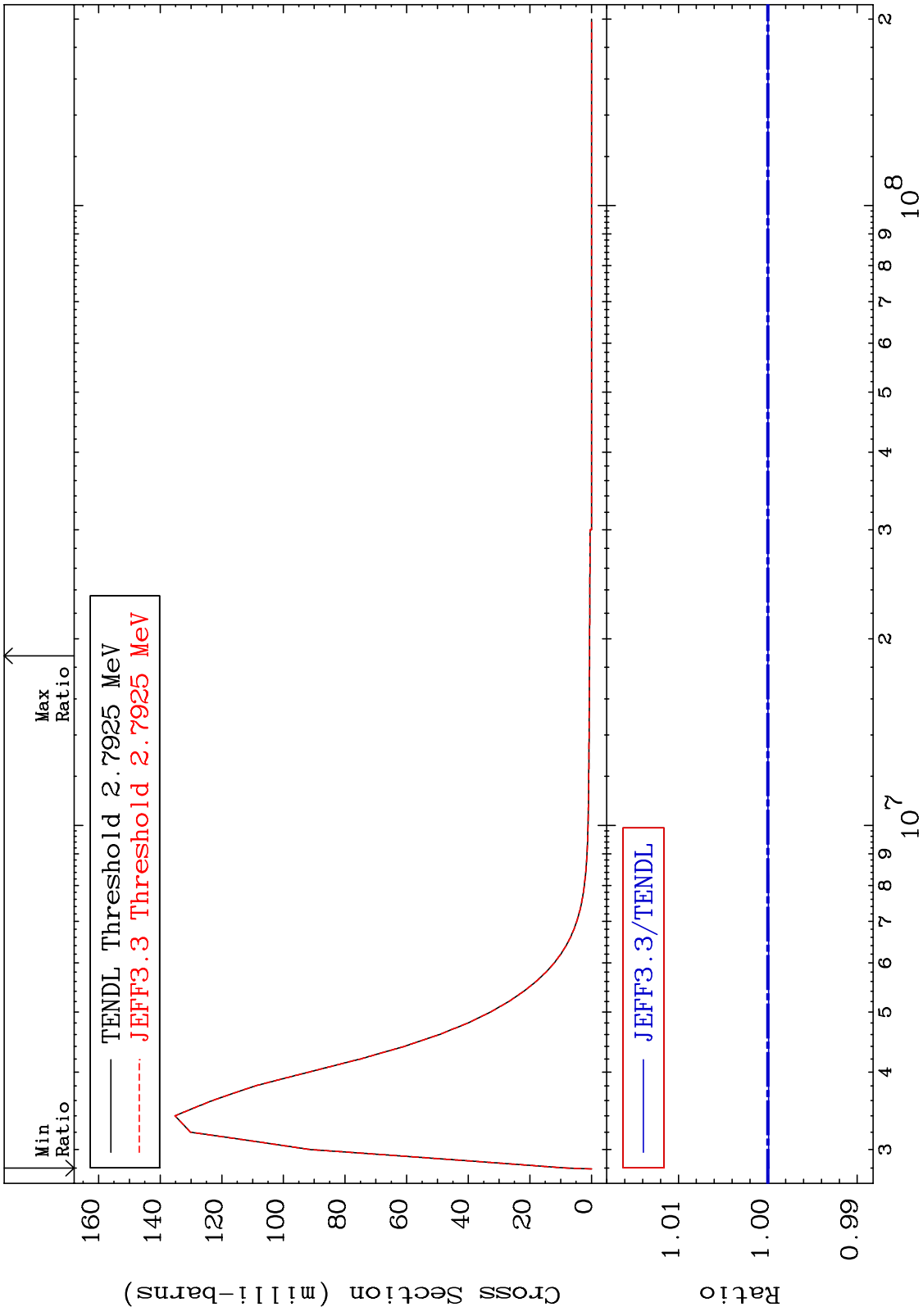
MAT 3643 MT= 57 (n,n') Level Cross Section -0.010 To 0.000 % 36-Kr-84



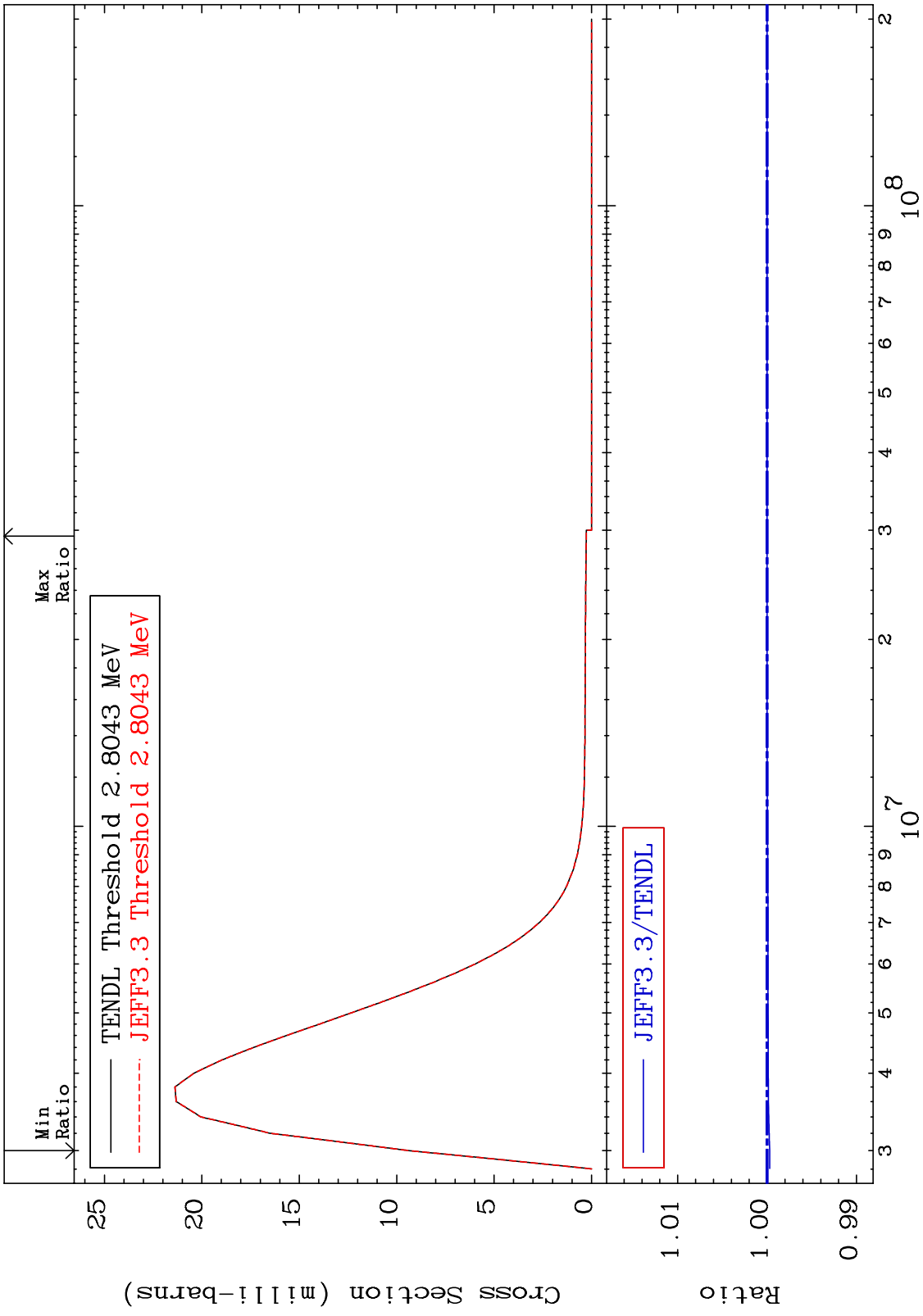
MAT 3643 MT= 58 (n,n') Level Cross Section 36-Kr-84  
 -0.015 To 0.000 %



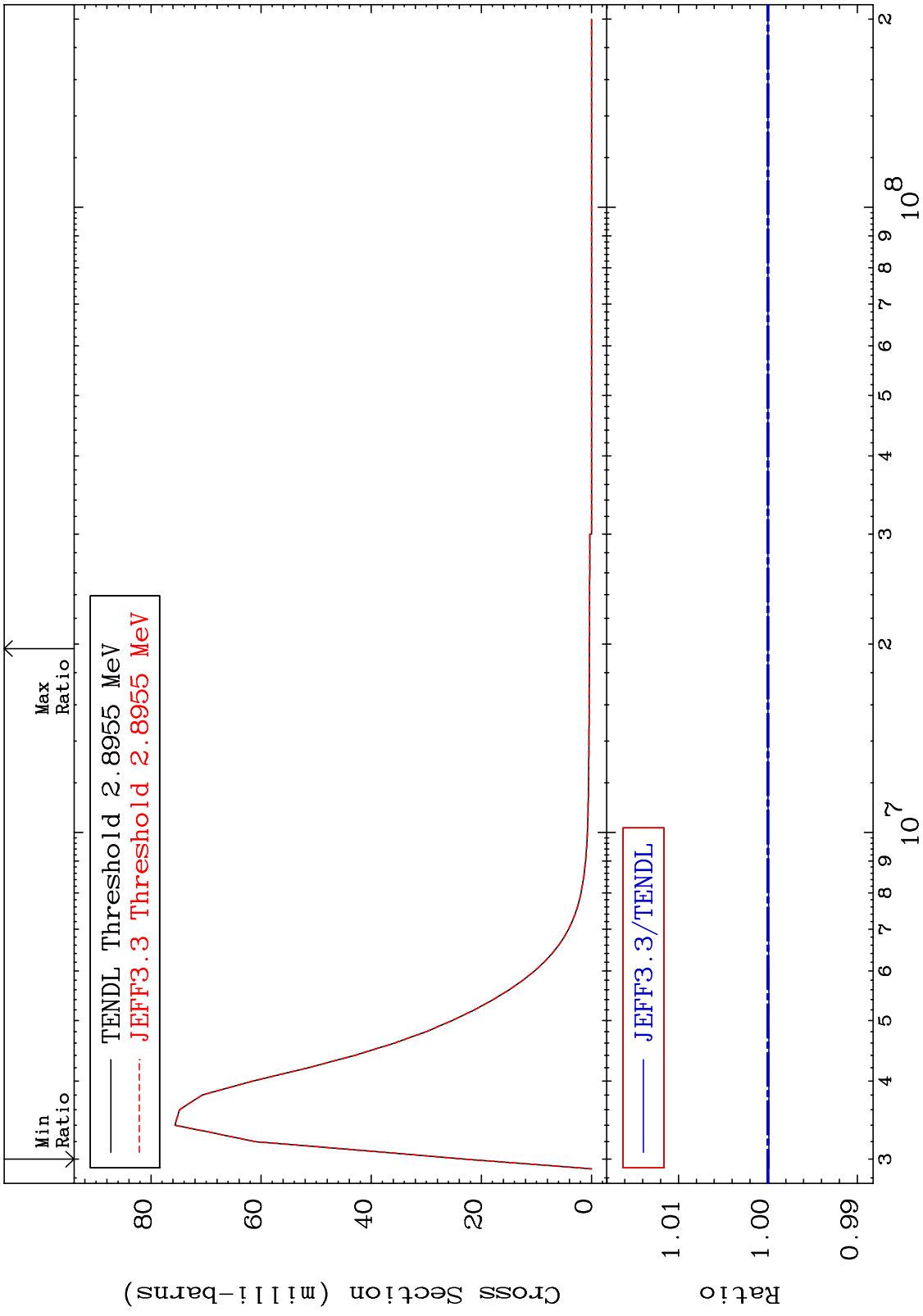
MAT 3643 MT= 59 (n,n') Level Cross Section -0.014 To 0.000 % 36-Kr-84



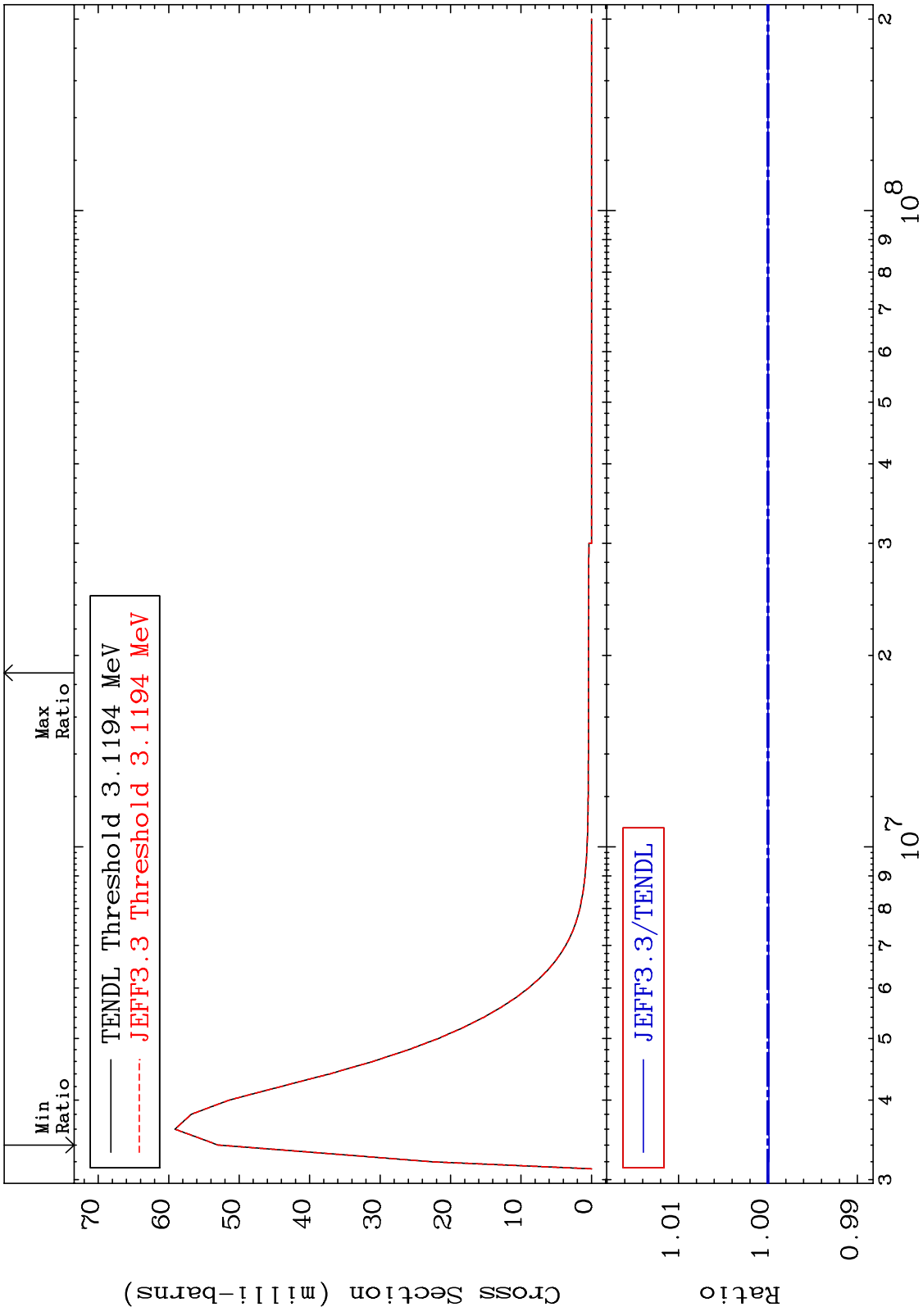
MAT 3643 MT= 60 (n,n') Level Cross Section -0.030 To 0.000 % 36-Kr-84



MAT 3643 MT= 62 (n,n') Level Cross Section -0.012 To 0.000 % 36-Kr-84

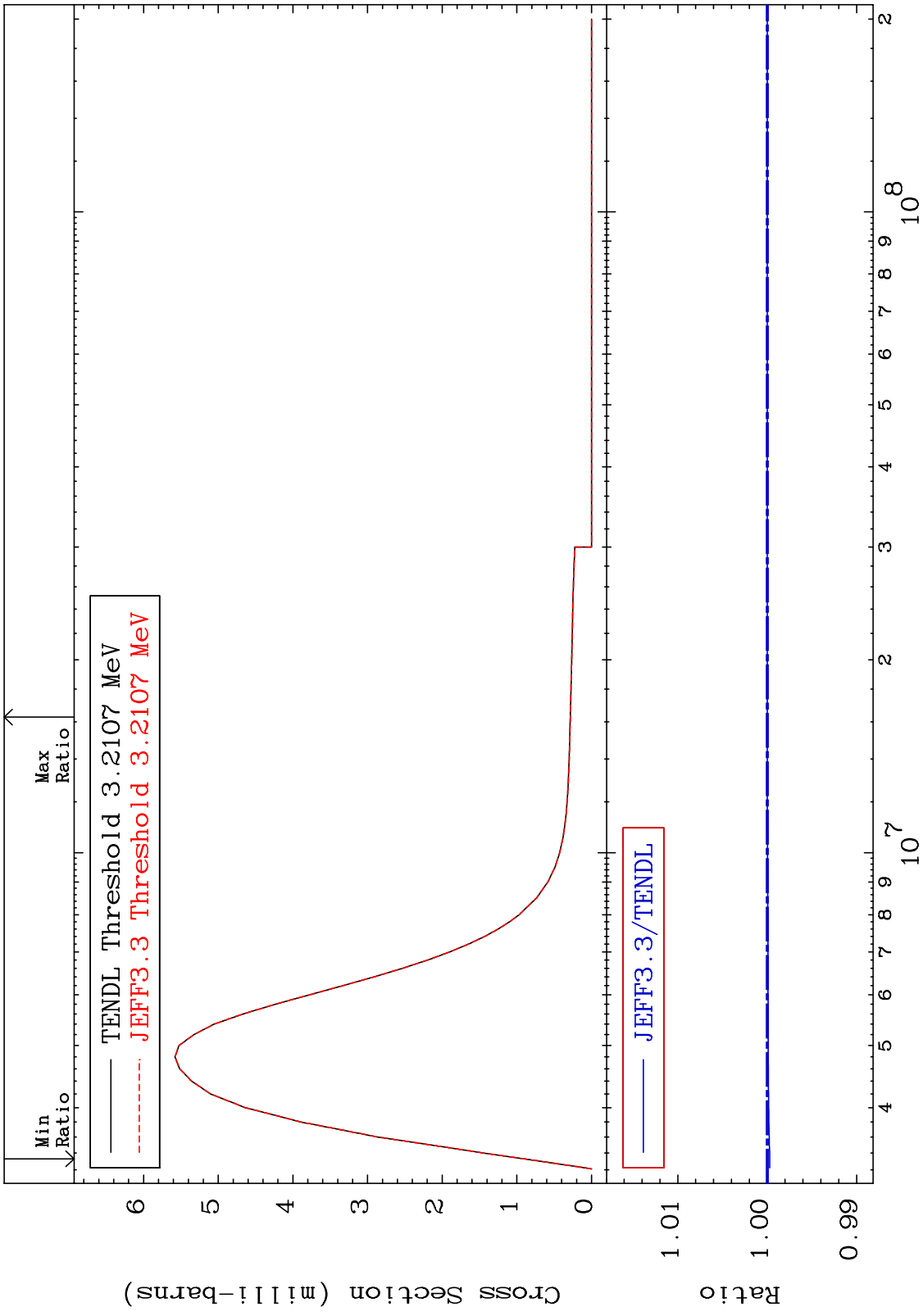


MAT 3643 MT= 64 (n,n') Level Cross Section 36-Kr-84  
 -0.012 To 0.000 %



30 Incident Energy (eV) 36-Kr-84

MAT 3643 MT= 65 (n,n') Level Cross Section -0.027 To 0.000 % 36-Kr-84

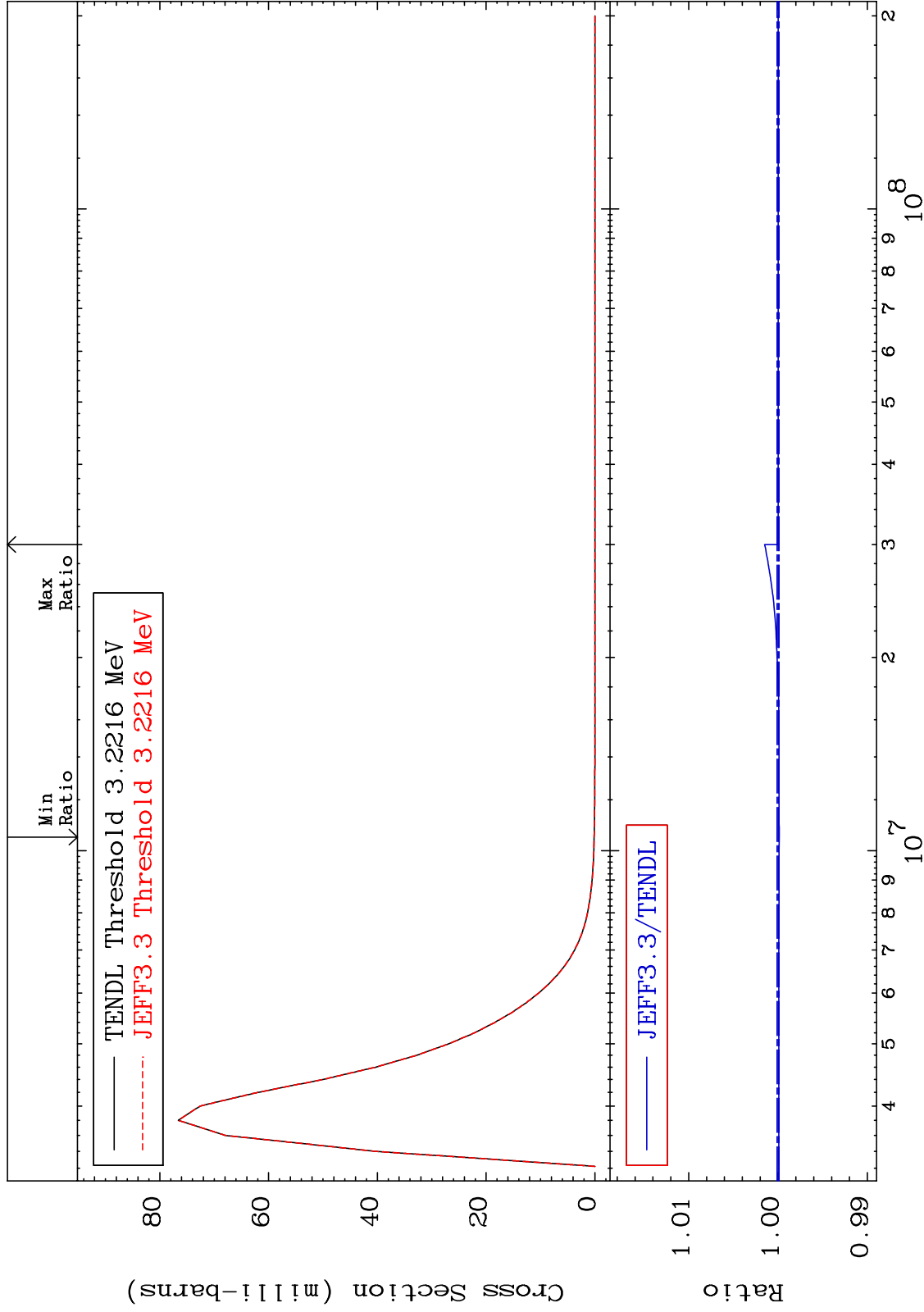




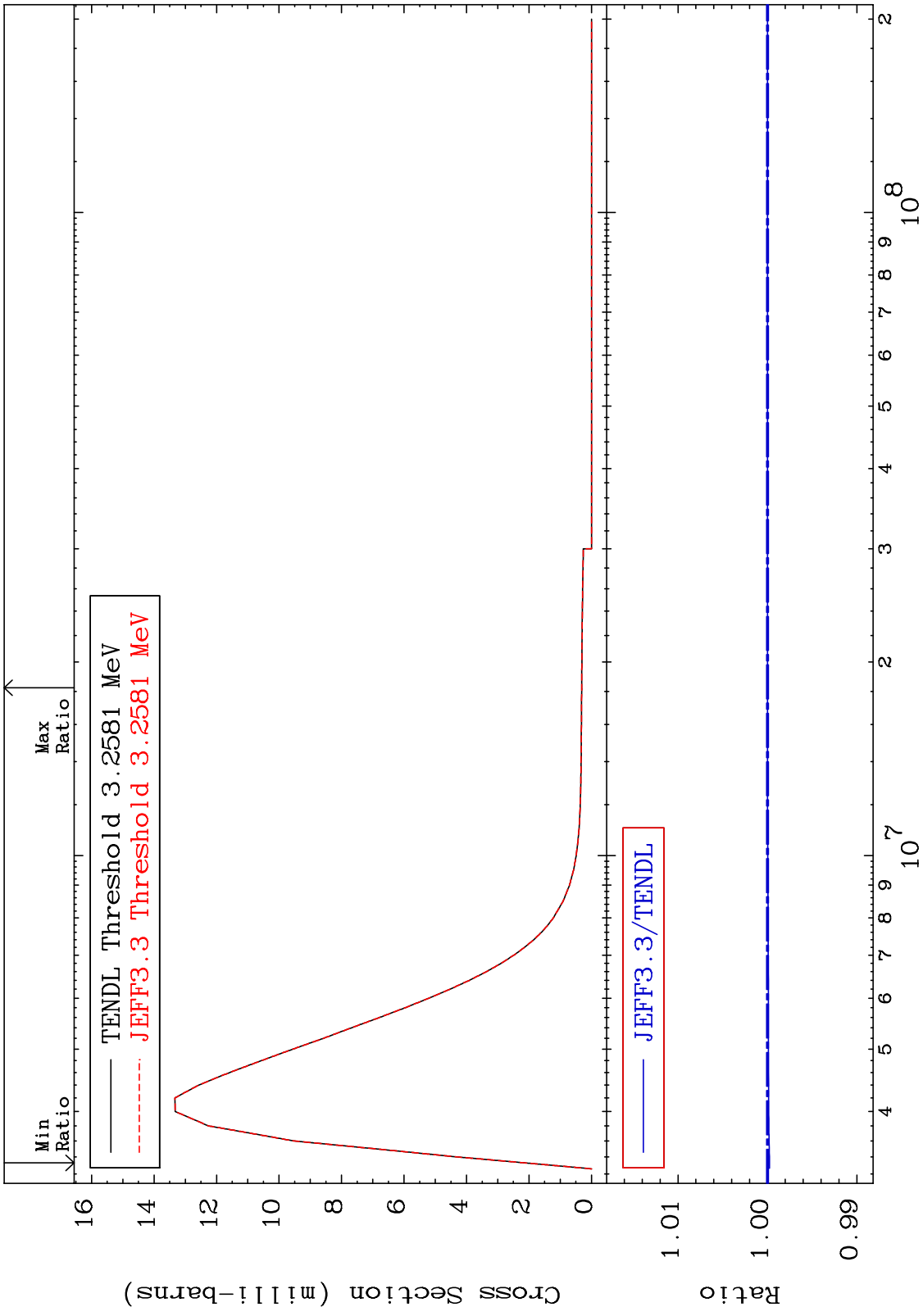
MAT 3643

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

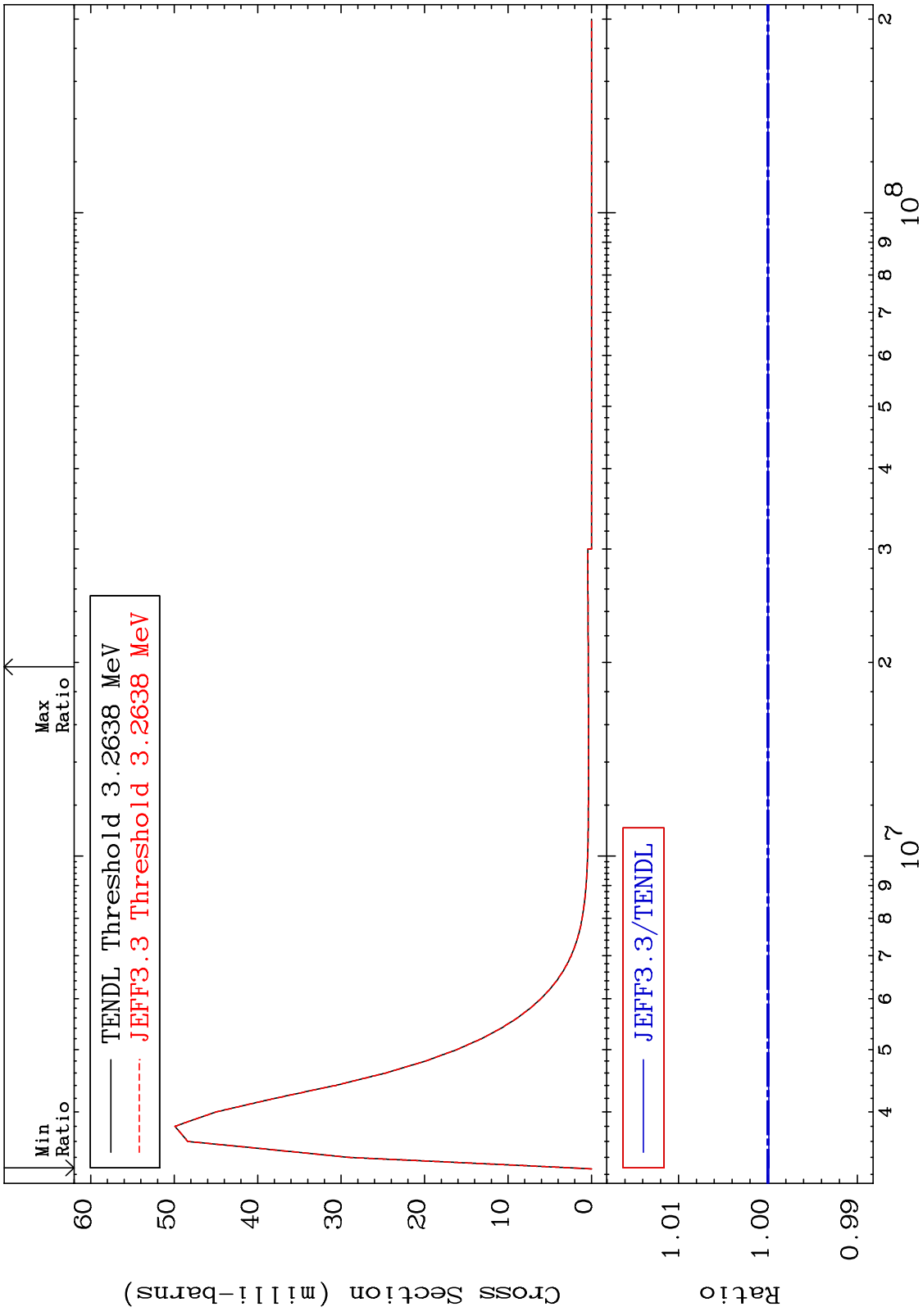
36-Kr-84  
-0.013 To 0.152 %



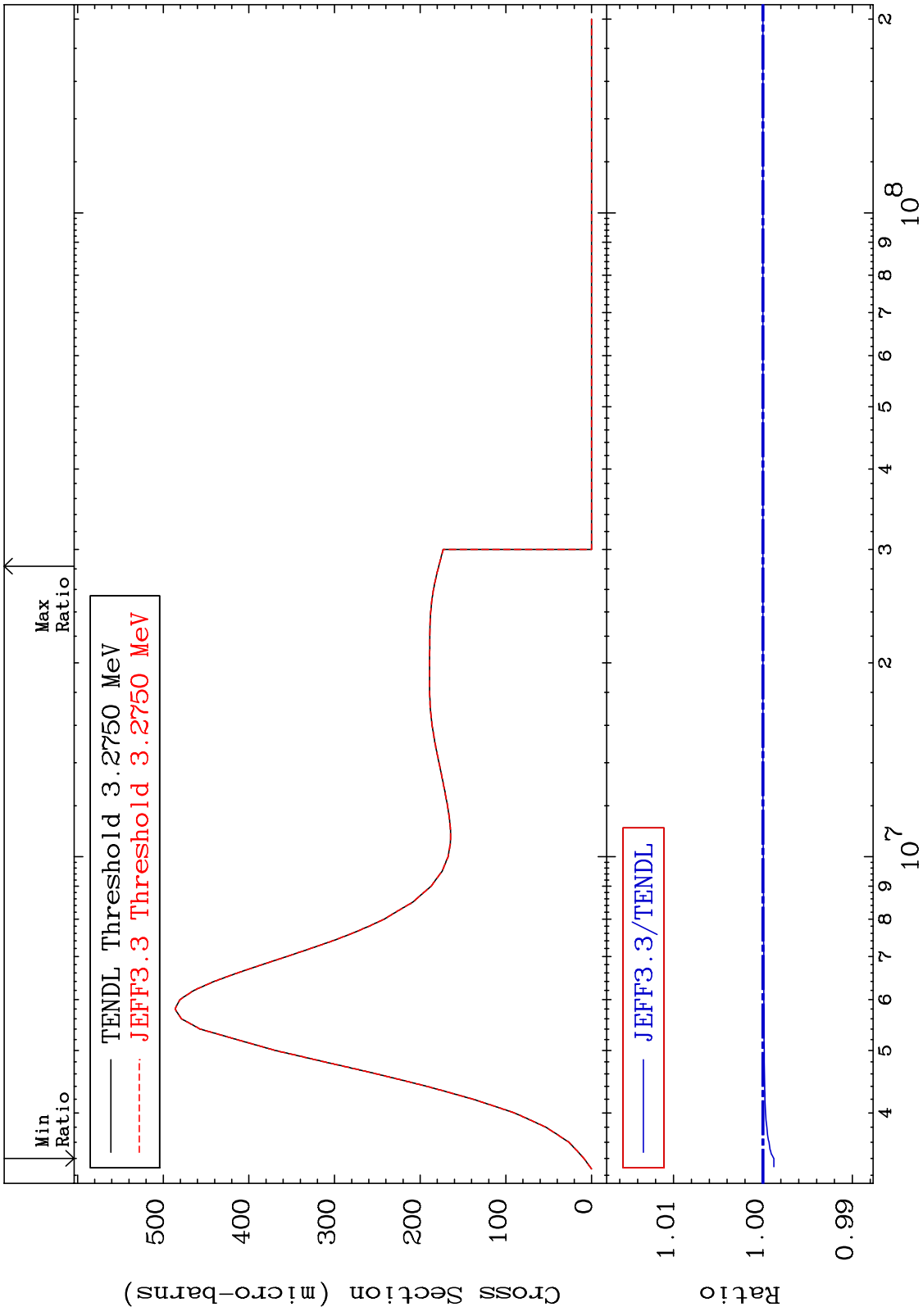
MAT 3643 MT= 67 (n,n') Level Cross Section 36-Kr-84  
 -0.023 To 0.000 %



MAT 3643 MT= 68 (n,n') Level Cross Section -0.012 To 0.000 % 36-Kr-84



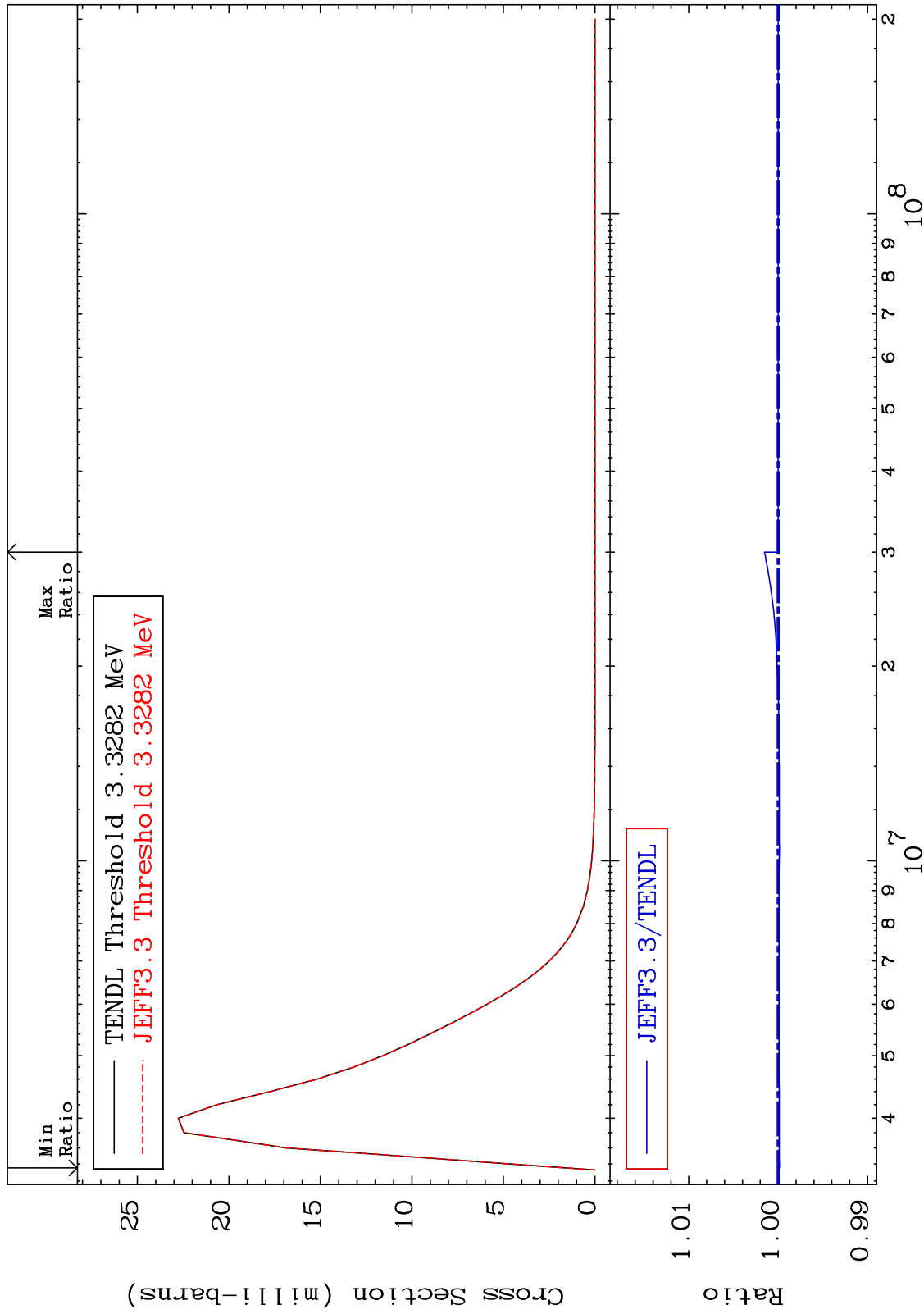
MAT 3643 MT= 69 (n,n') Level Cross Section -0.123 To 0.000 % 36-Kr-84



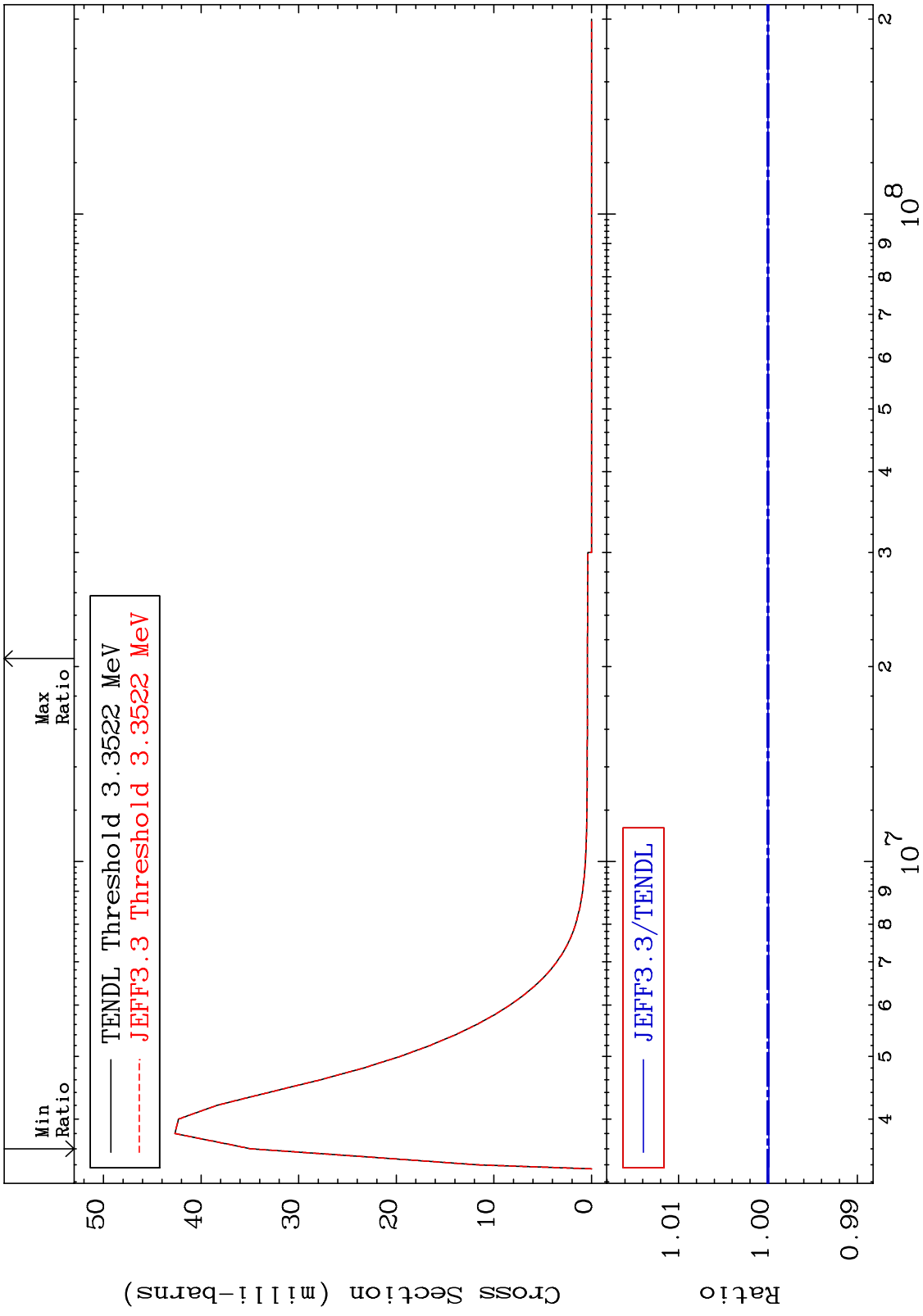
MAT 3643

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

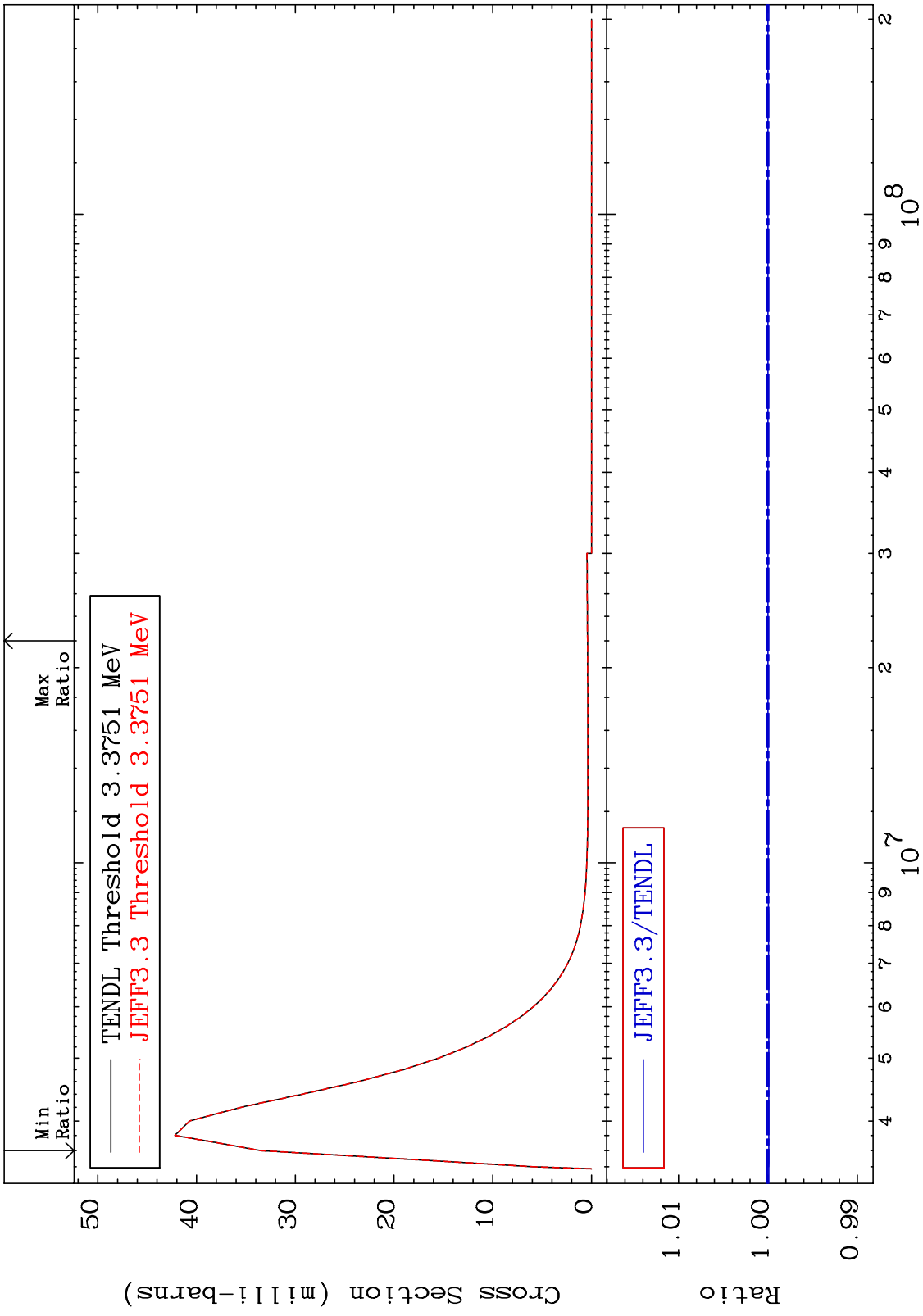
36-Kr-84  
-0.014 To 0.155 %



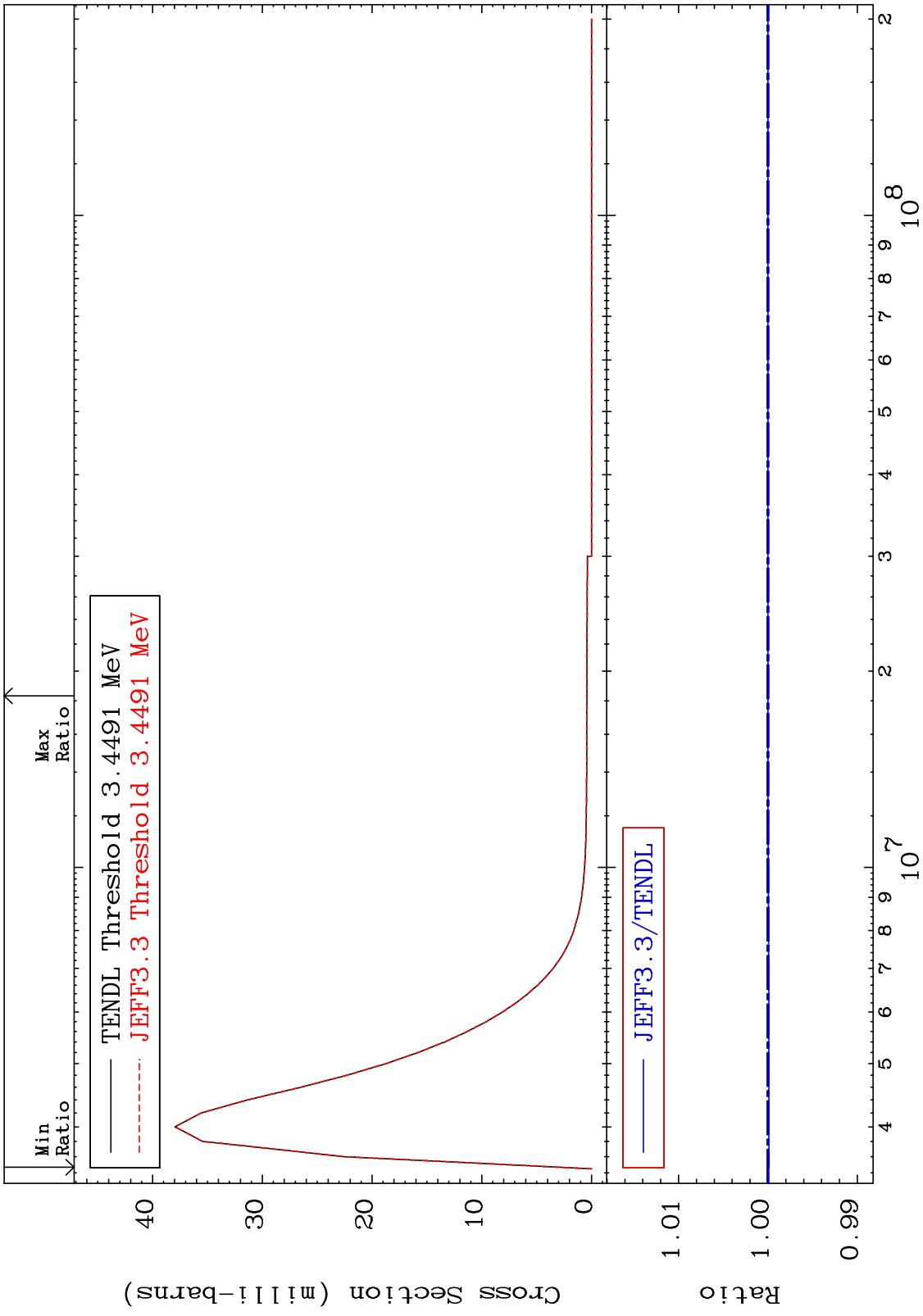
MAT 3643 MT= 71 (n,n') Level Cross Section -0.011 To 0.000 % 36-Kr-84



MAT 3643 MT= 72 (n,n') Level Cross Section -0.010 To 0.000 % 36-Kr-84

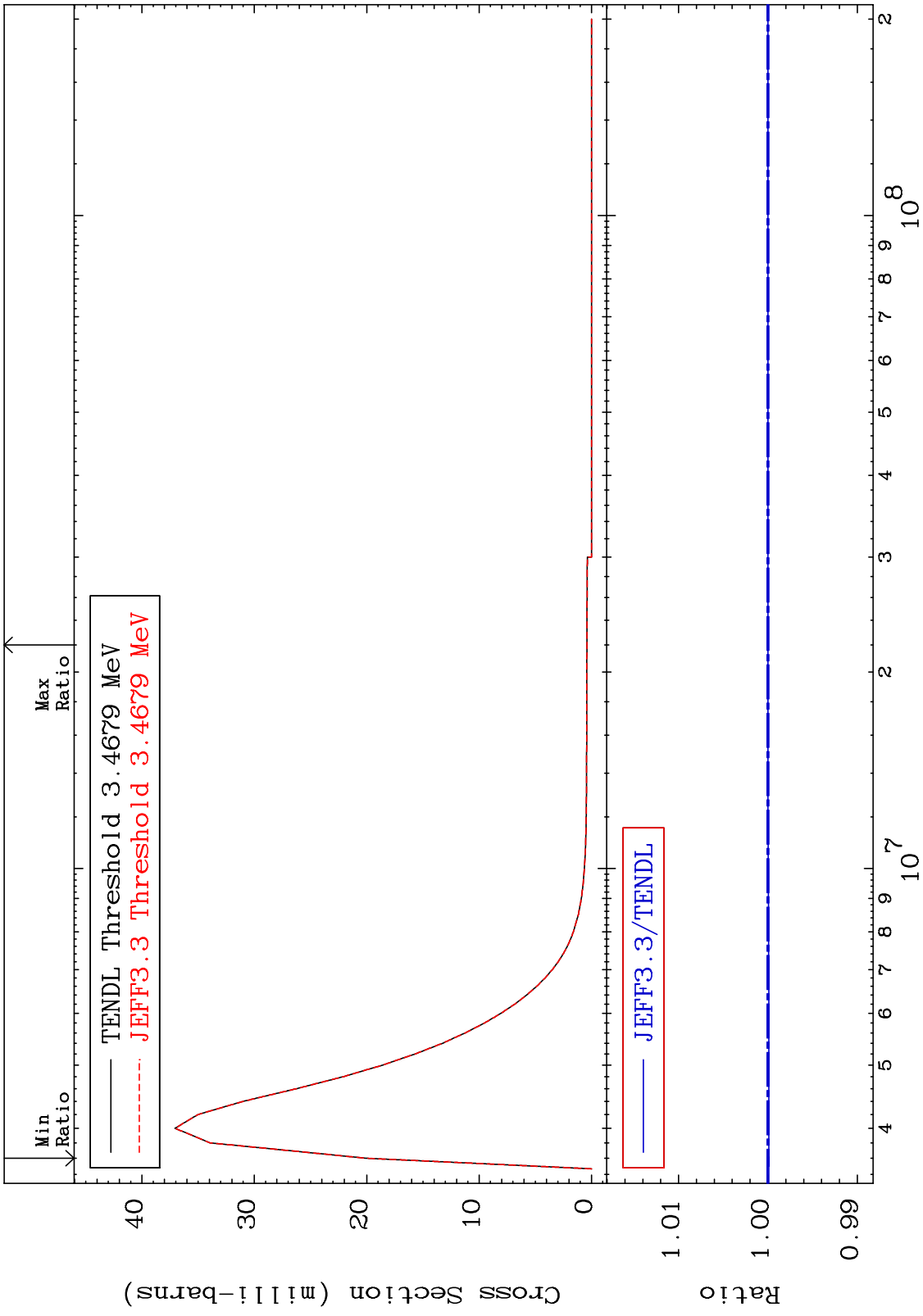


MAT 3643 MT= 74 (n,n') Level Cross Section -0.011 To 0.000 % 36-Kr-84



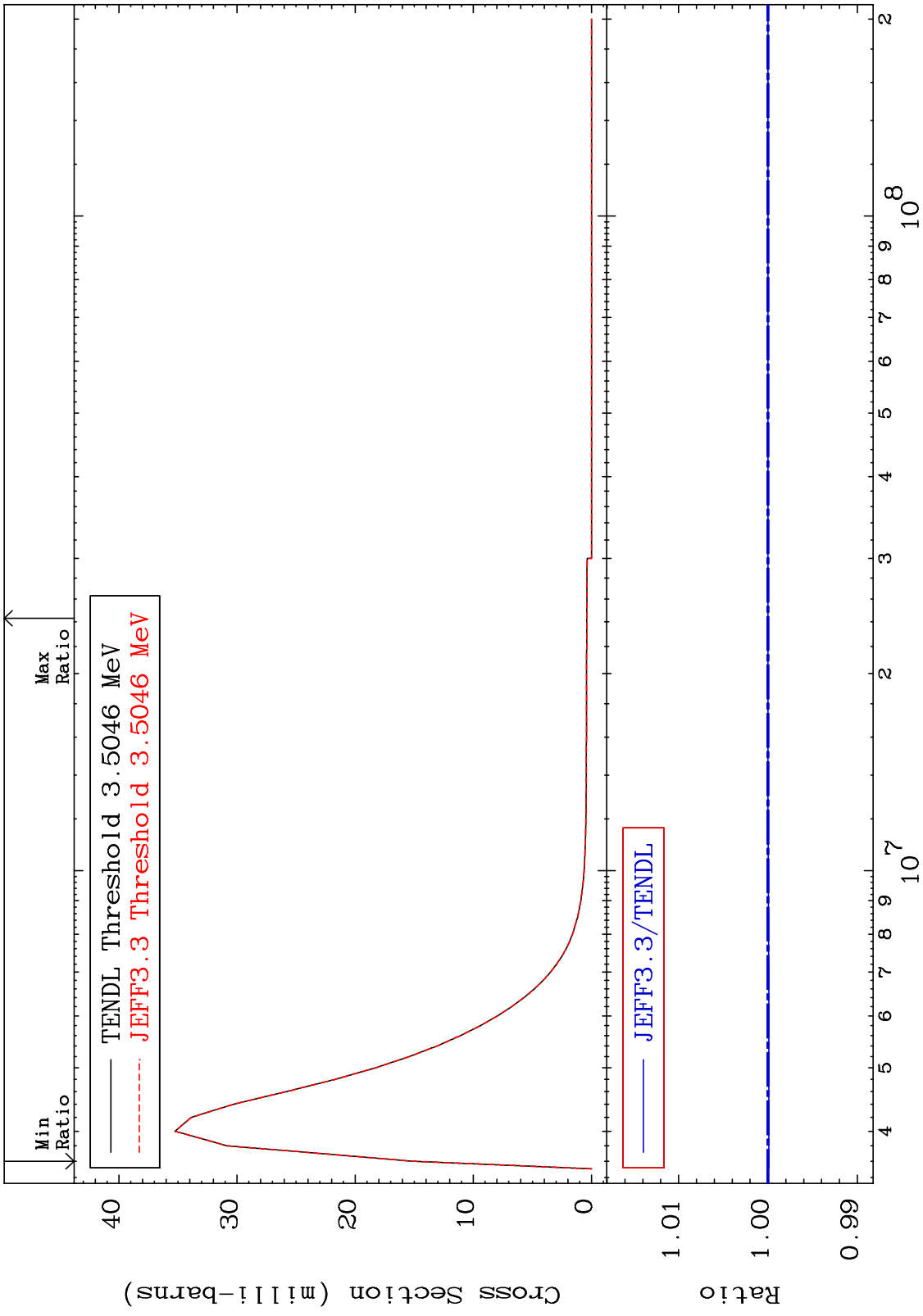


MAT 3643 MT= 75 (n,n') Level Cross Section -0.011 To 0.000 % 36-Kr-84

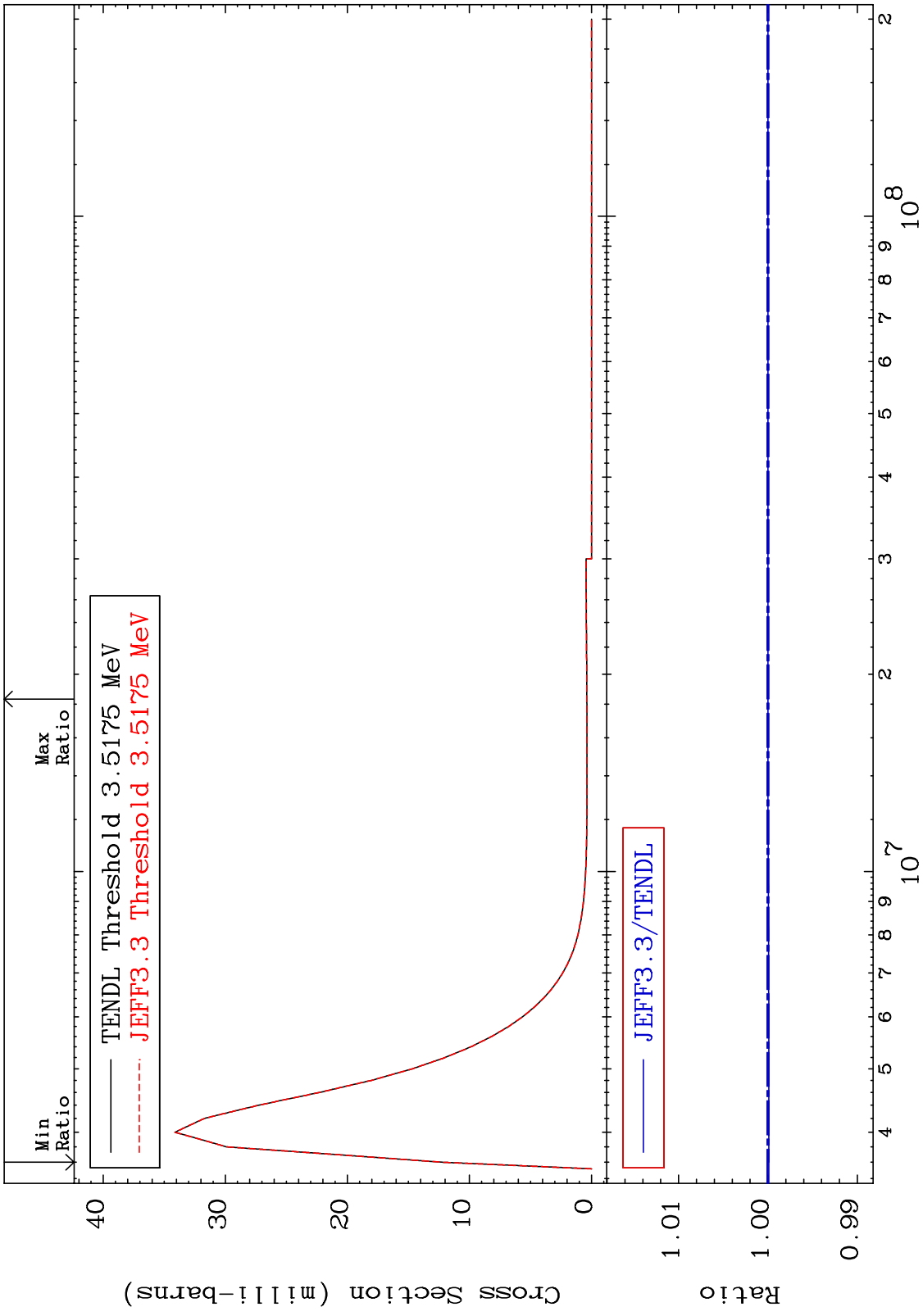


40 Incident Energy (eV) 36-Kr-84

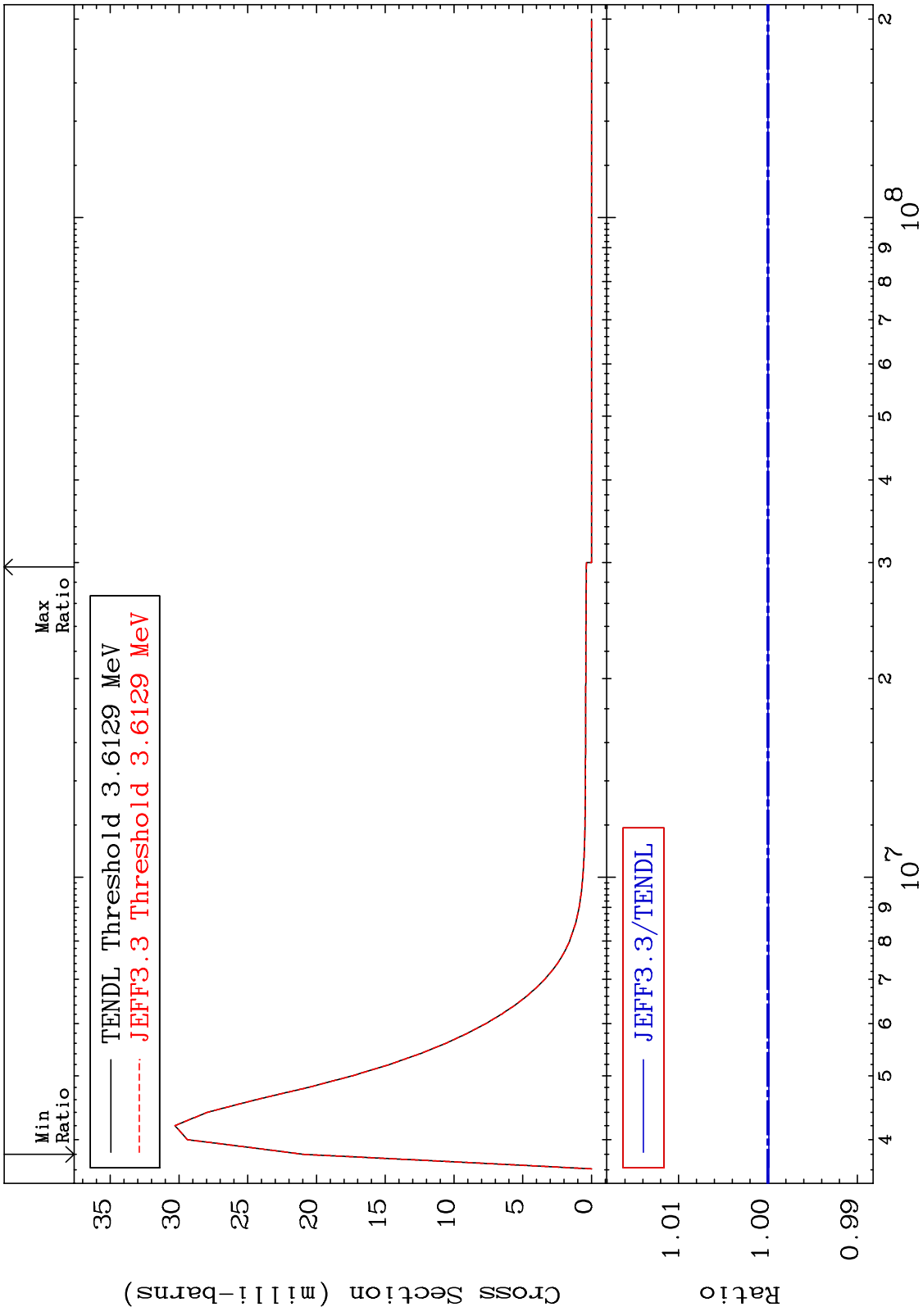
MAT 3643 MT= 76 (n,n') Level Cross Section -0.011 To 0.000 % 36-Kr-84



MAT 3643      MT= 77 (n,n') Level      36-Kr-84  
 Cross Section      -0.011 To 0.000 %



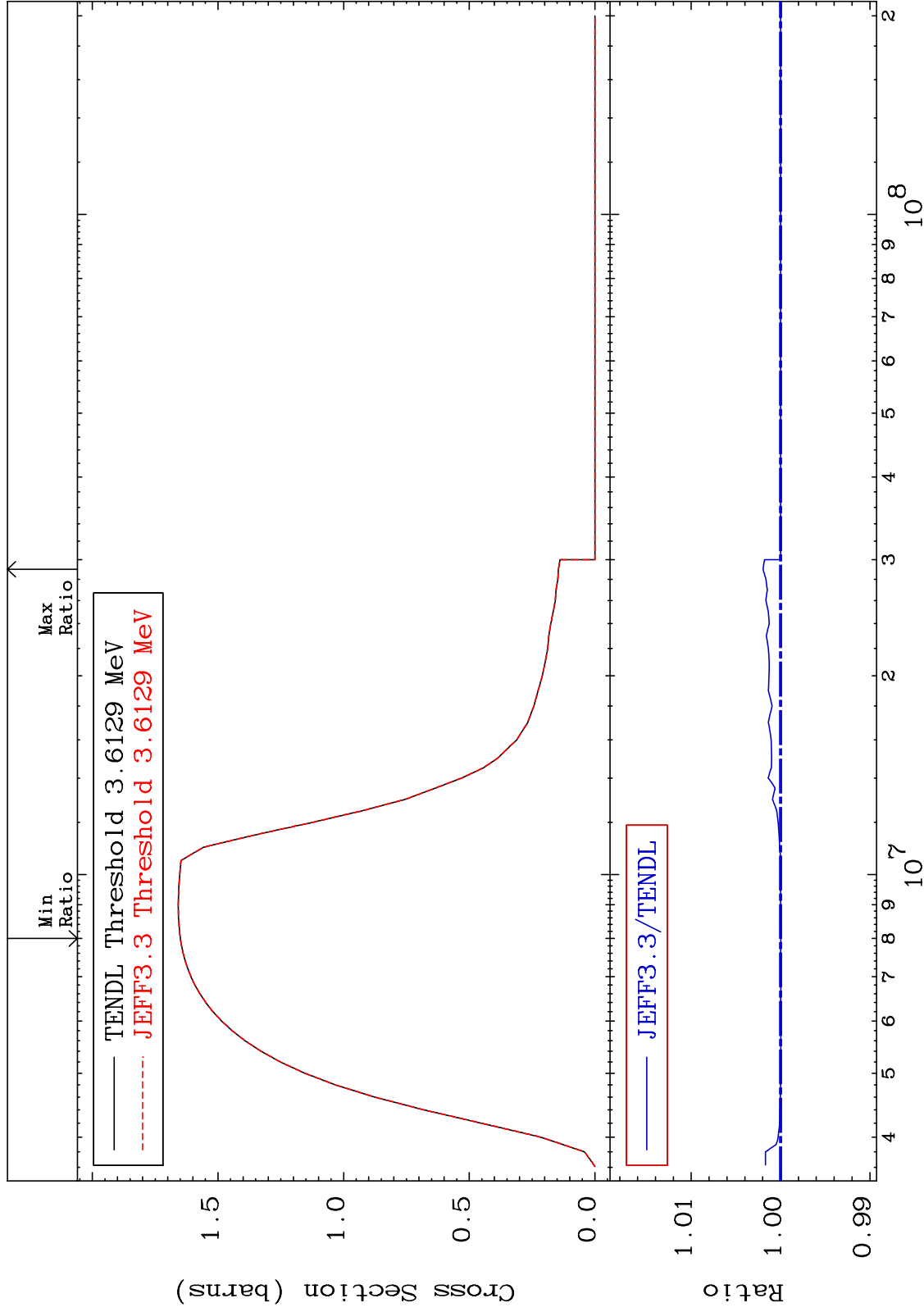
MAT 3643 MT= 78 (n,n') Level Cross Section -0.011 To 0.000 % 36-Kr-84



MAT 3643

(n, n') Continuum  
Cross Section

36-Kr-84  
-0.002 To 0.197 %



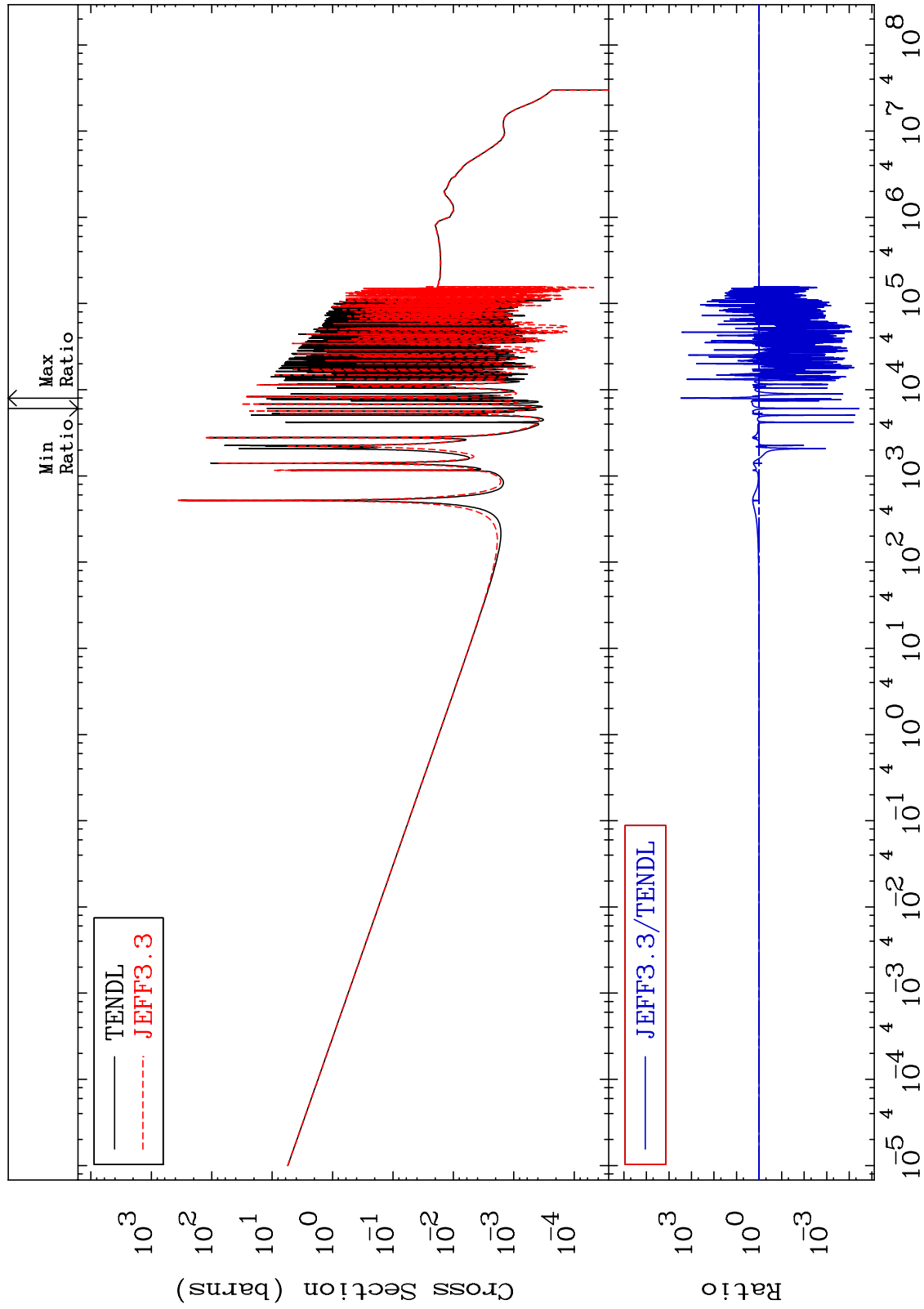
MAT 3643

(n,  $\gamma$ )

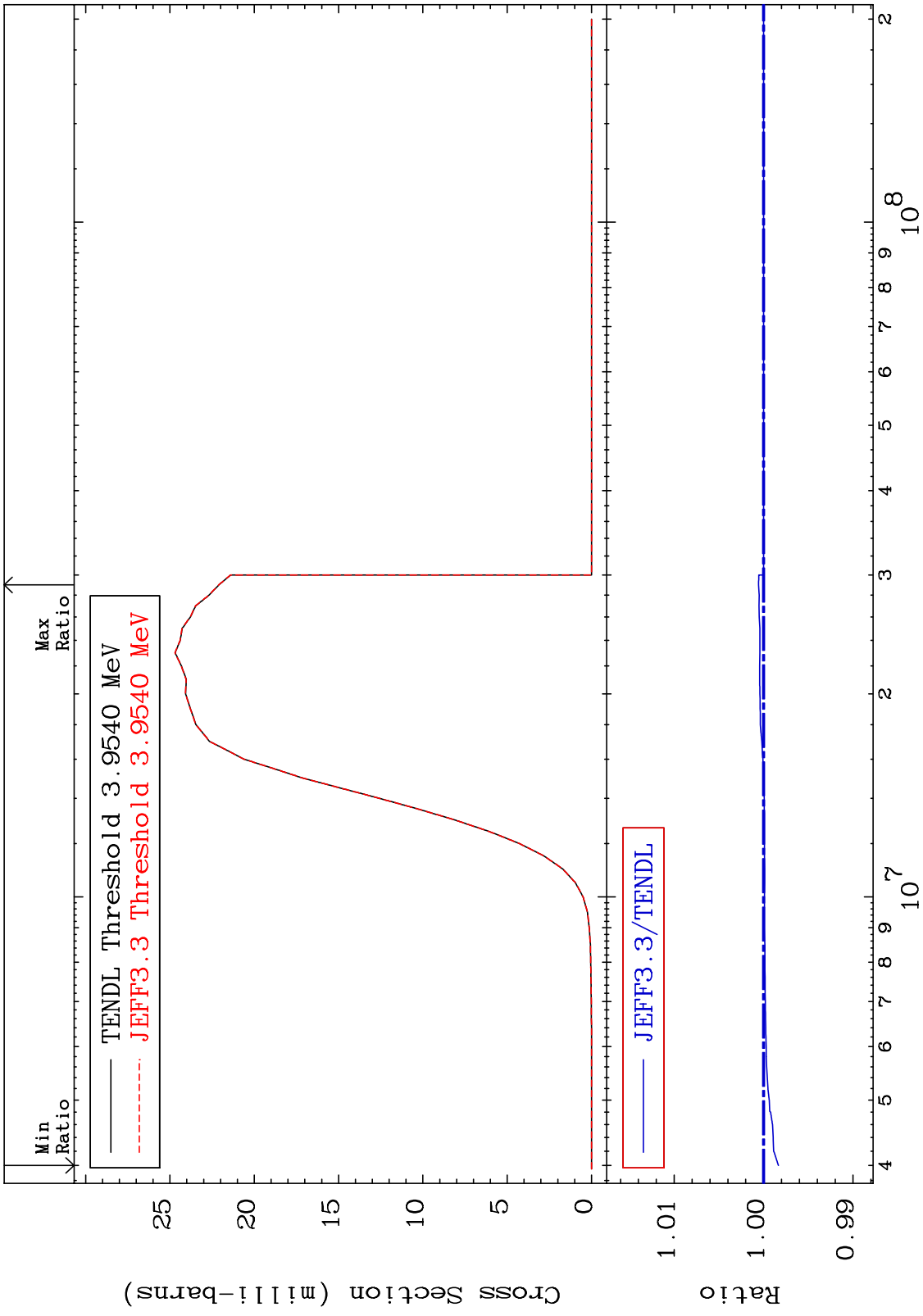
36-Kr-84

Cross Section

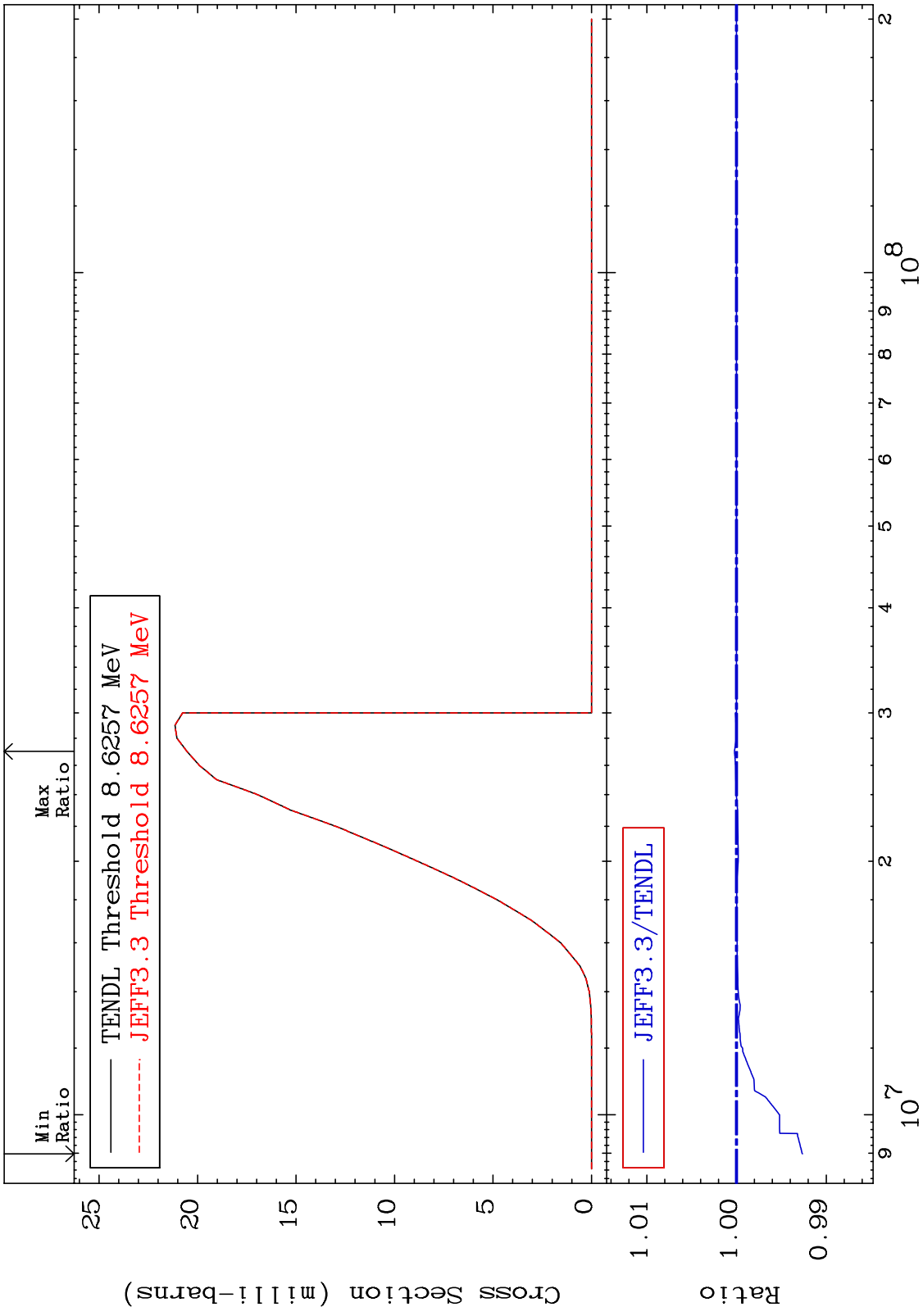
-100.0 To 9999. %



MAT 3643 (n,p) Cross Section 36-Kr-84 -0.165 To 0.058 %



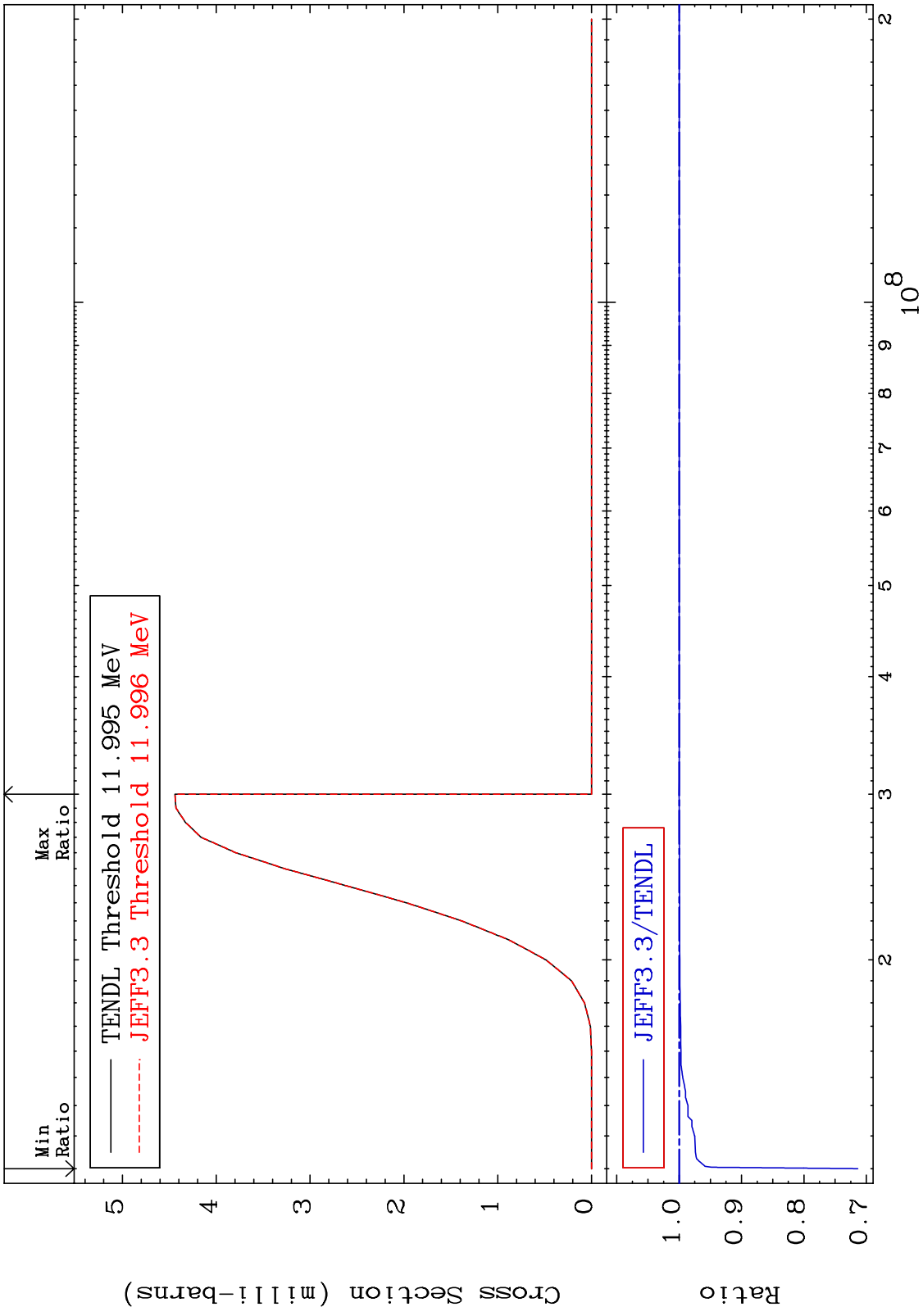
MAT 3643  $^{36}\text{Kr-84}$  (n,d) Cross Section -0.735 To 0.023 %



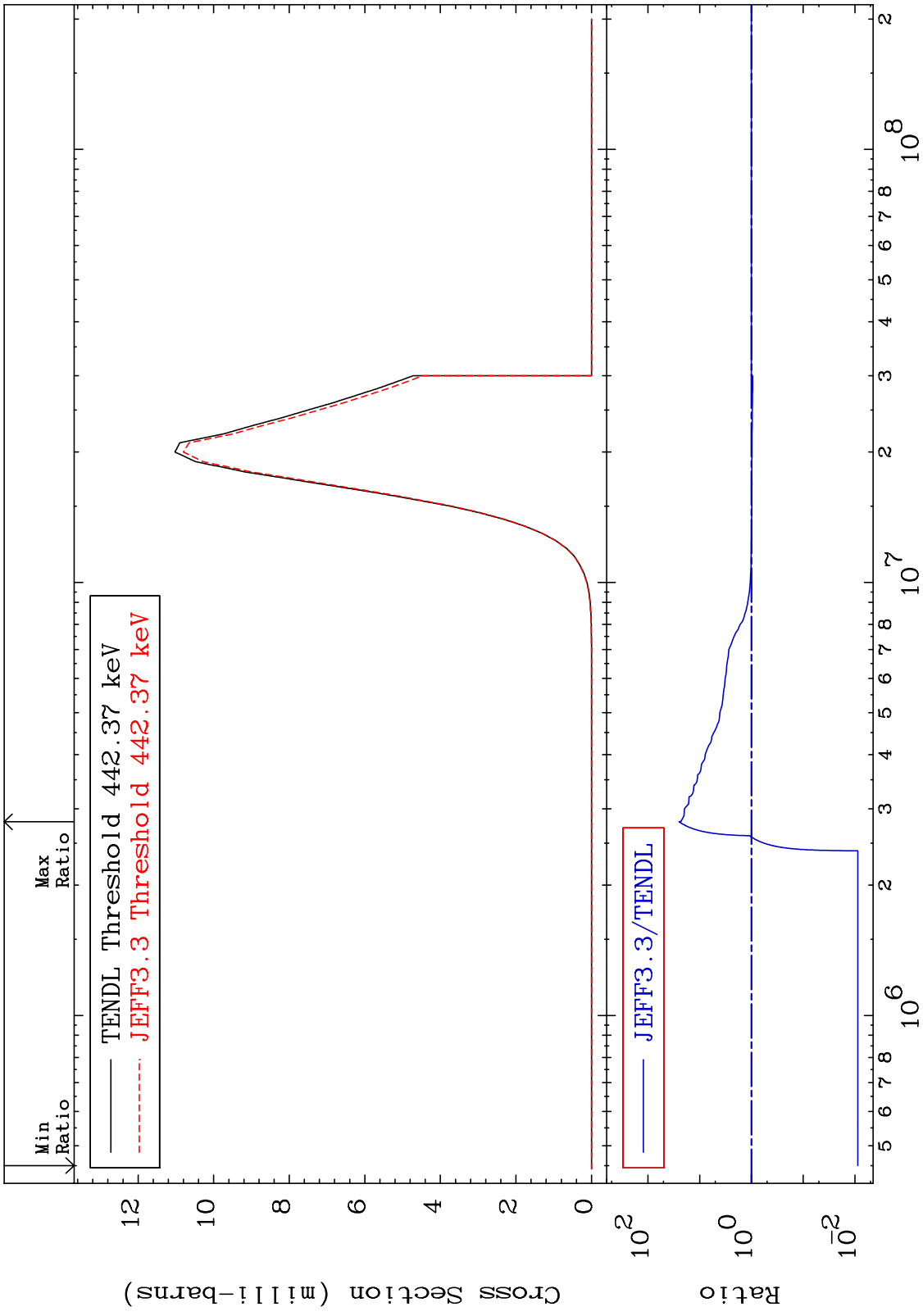
47  $^{36}\text{Kr-84}$



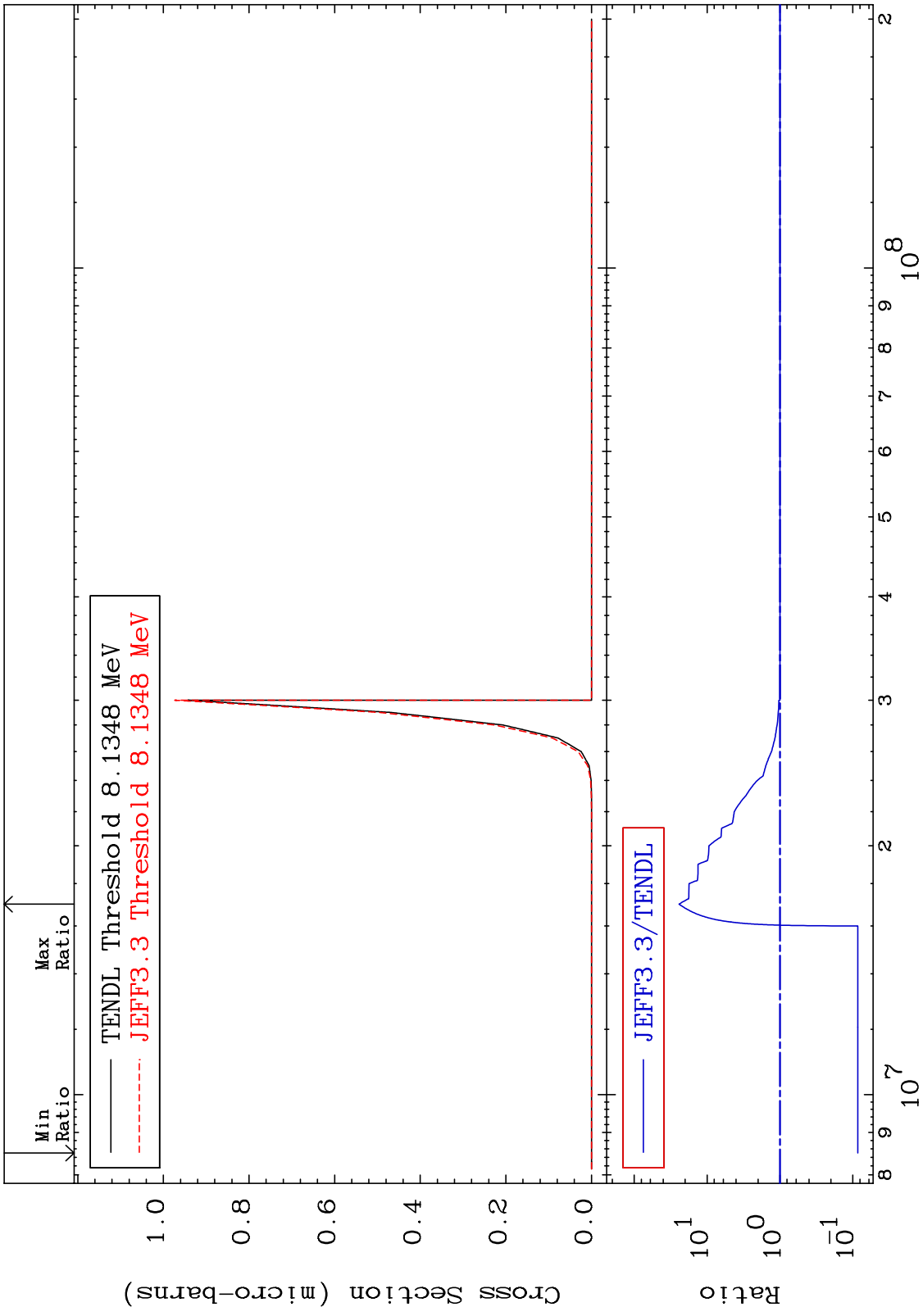
MAT 3643 (n,t) 36-Kr-84  
 Cross Section -28.64 To 0.019 %



MAT 3643 (n,α) 36-Kr-84  
Cross Section -99.12 To 2404. %

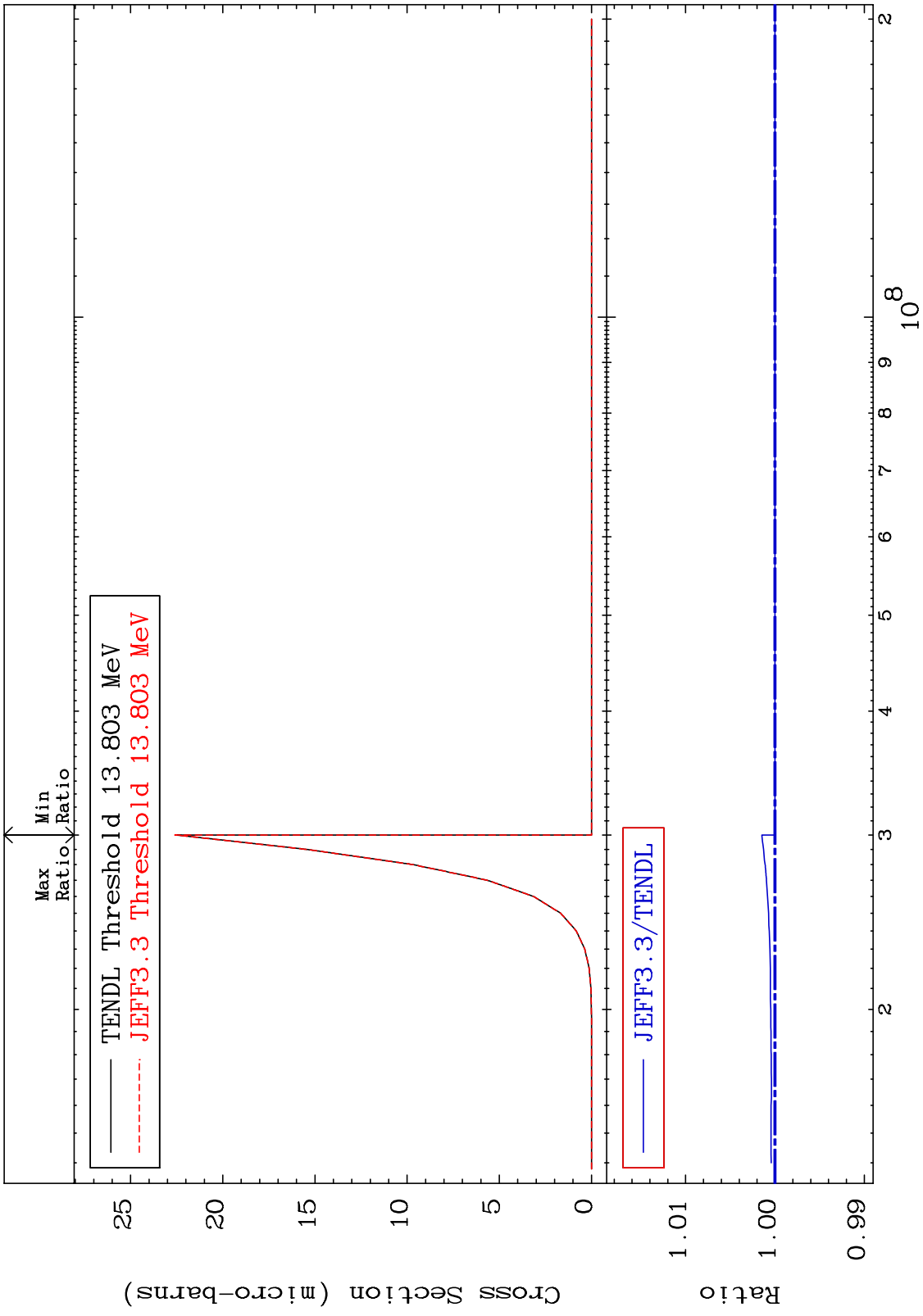


MAT 3643  $(n, 2\alpha)$  Cross Section  $^{36}\text{Kr-84}$   
 -91.45 To 2326. %

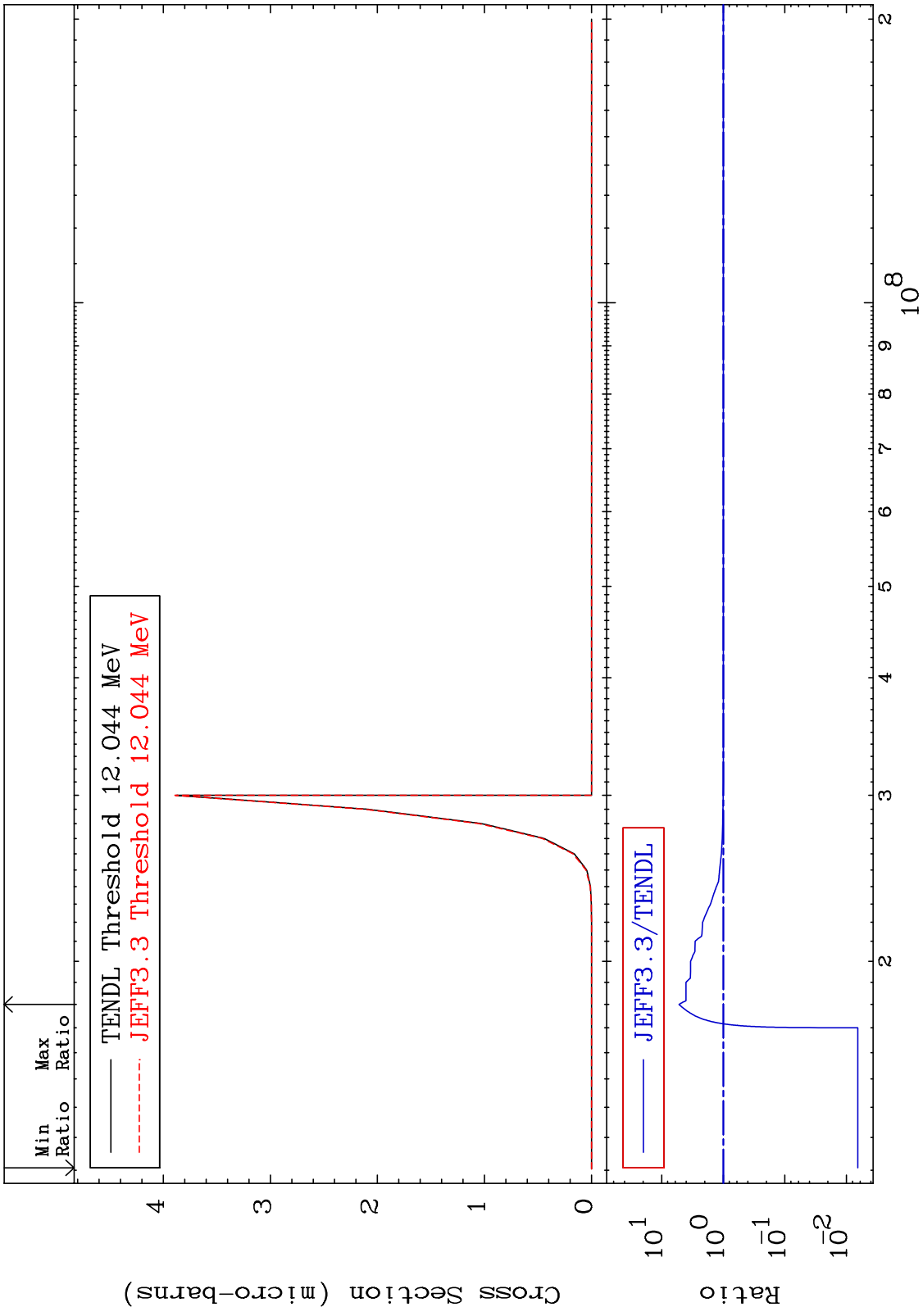


50  $^{36}\text{Kr-84}$

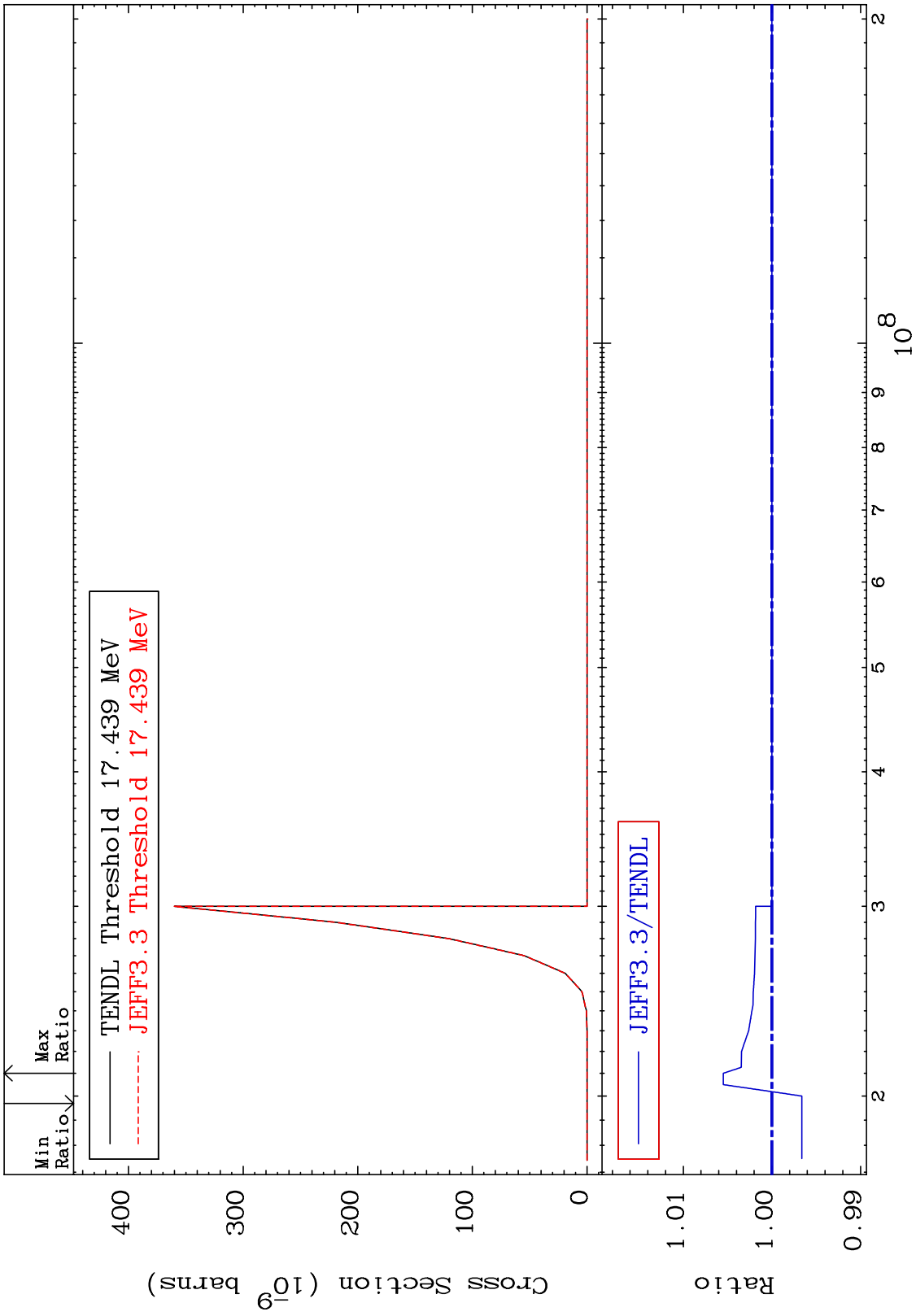
MAT 3643  $(n,2p)$  Cross Section 36-Kr-84 To 0.146 %



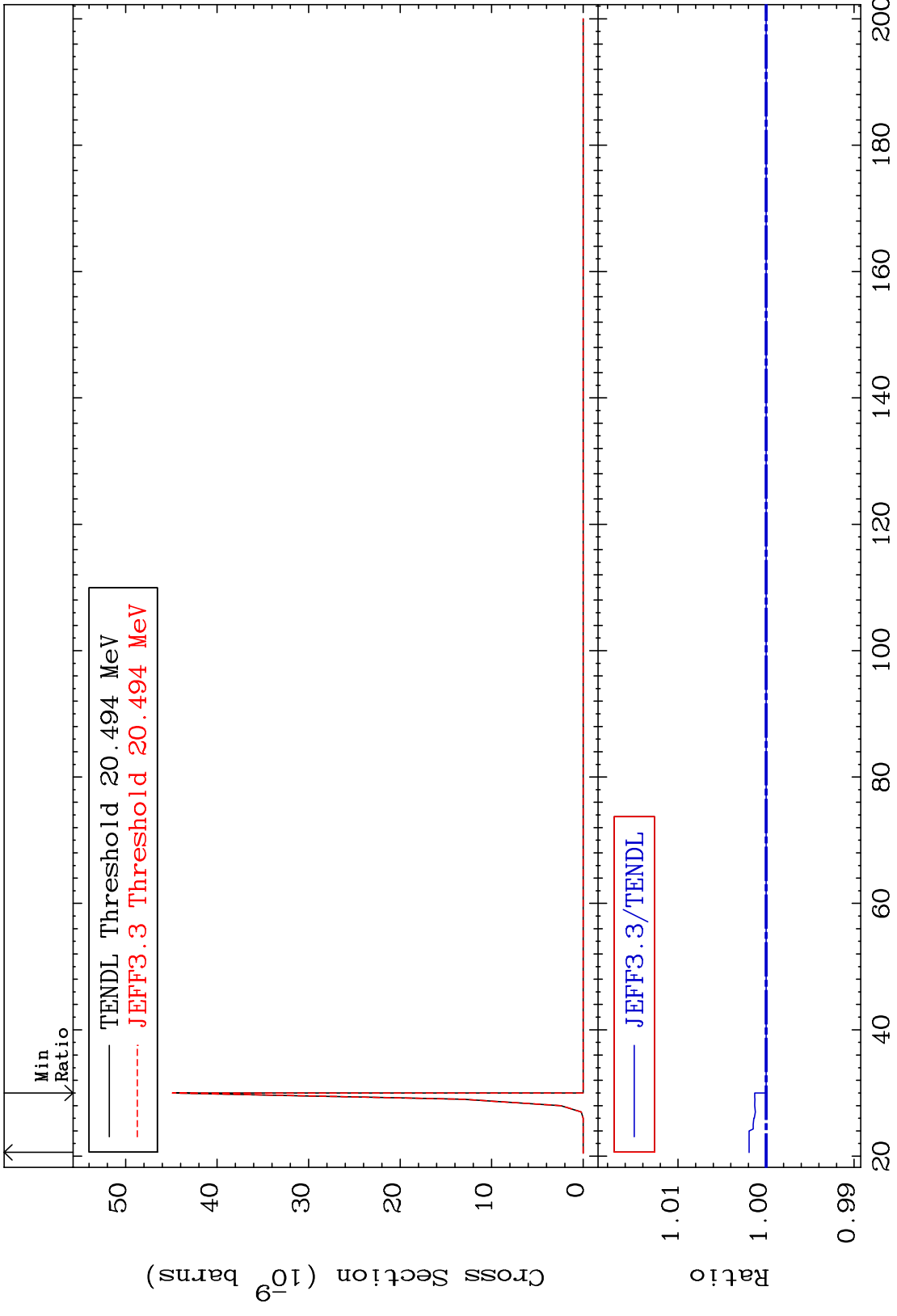
MAT 3643  $(n,p) \alpha$   $^{36}\text{Kr-84}$   
 Cross Section  $-99.35$  To  $422.1$  %



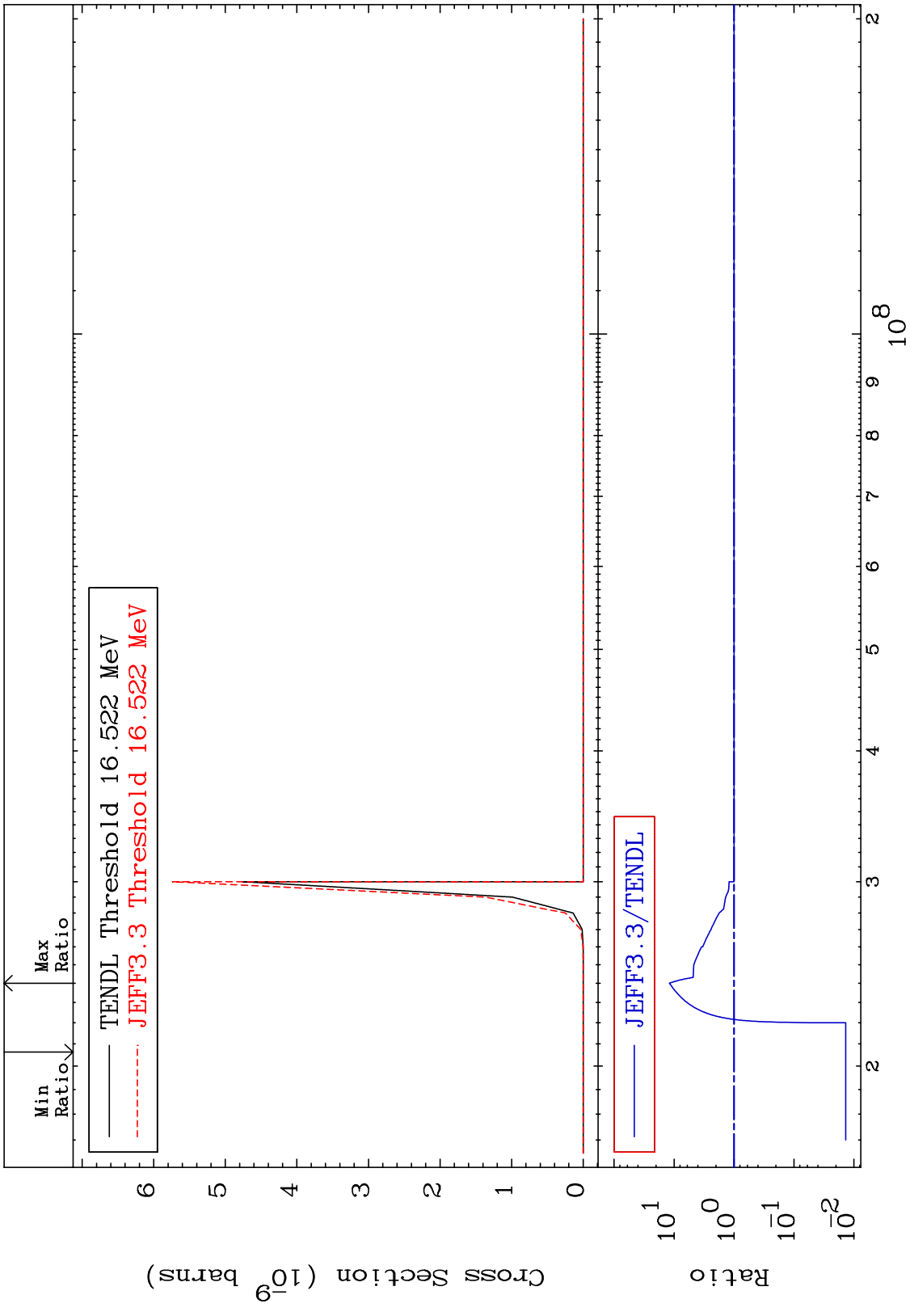
MAT 3643 (n,p) d 36-Kr-84  
 Cross Section -0.338 To 0.548 %



MAT 3643 (n,p) t 36-Kr-84  
Cross Section 0.000 To 0.193 %



MAT 3643  $(n, d) \alpha$  36-Kr-84  
 Cross Section -98.63 To 1094. %

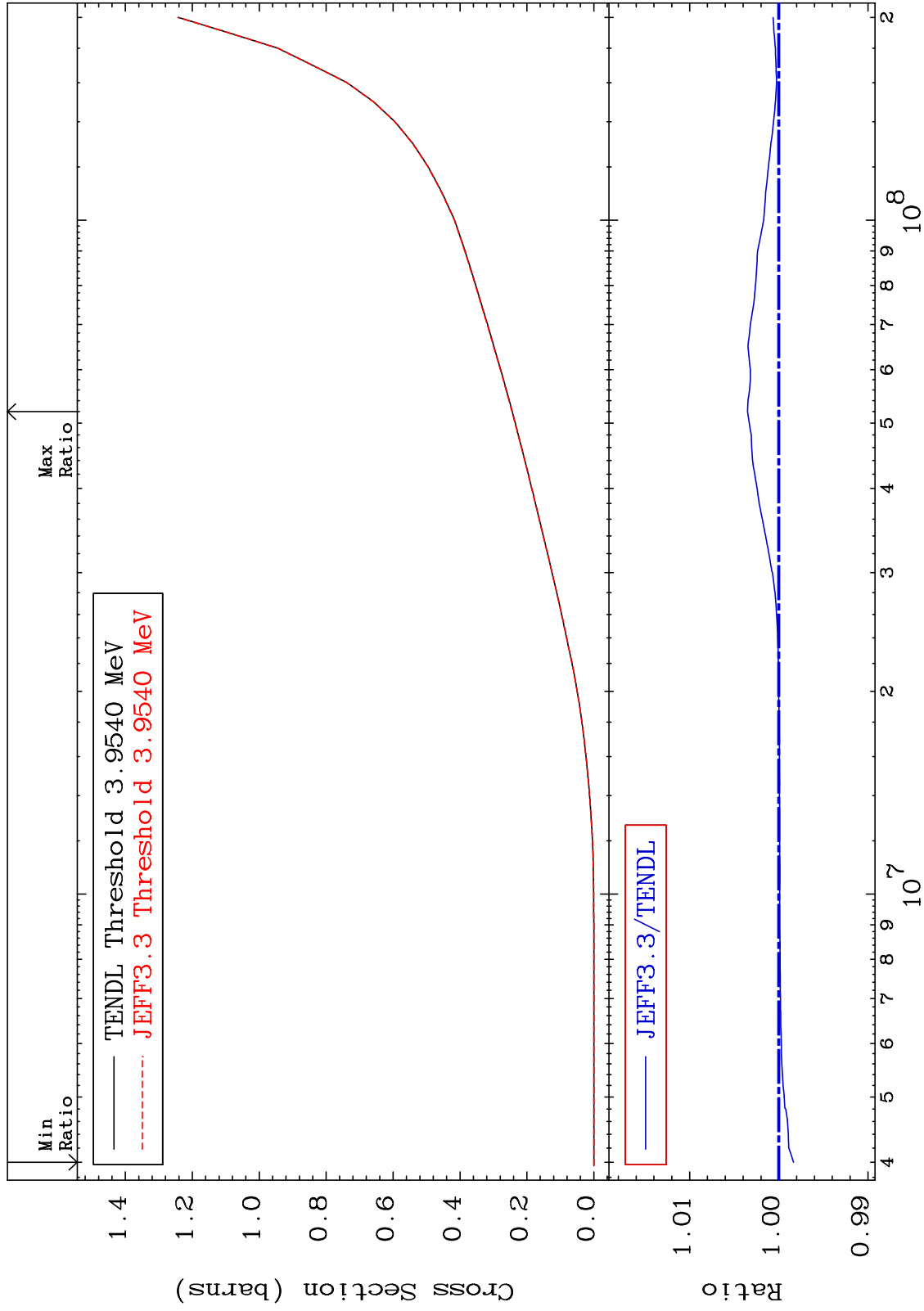




MAT 3643

Hydrogen Production  
Cross Section

<sup>36</sup>Kr-84  
-0.165 To 0.351 %



56

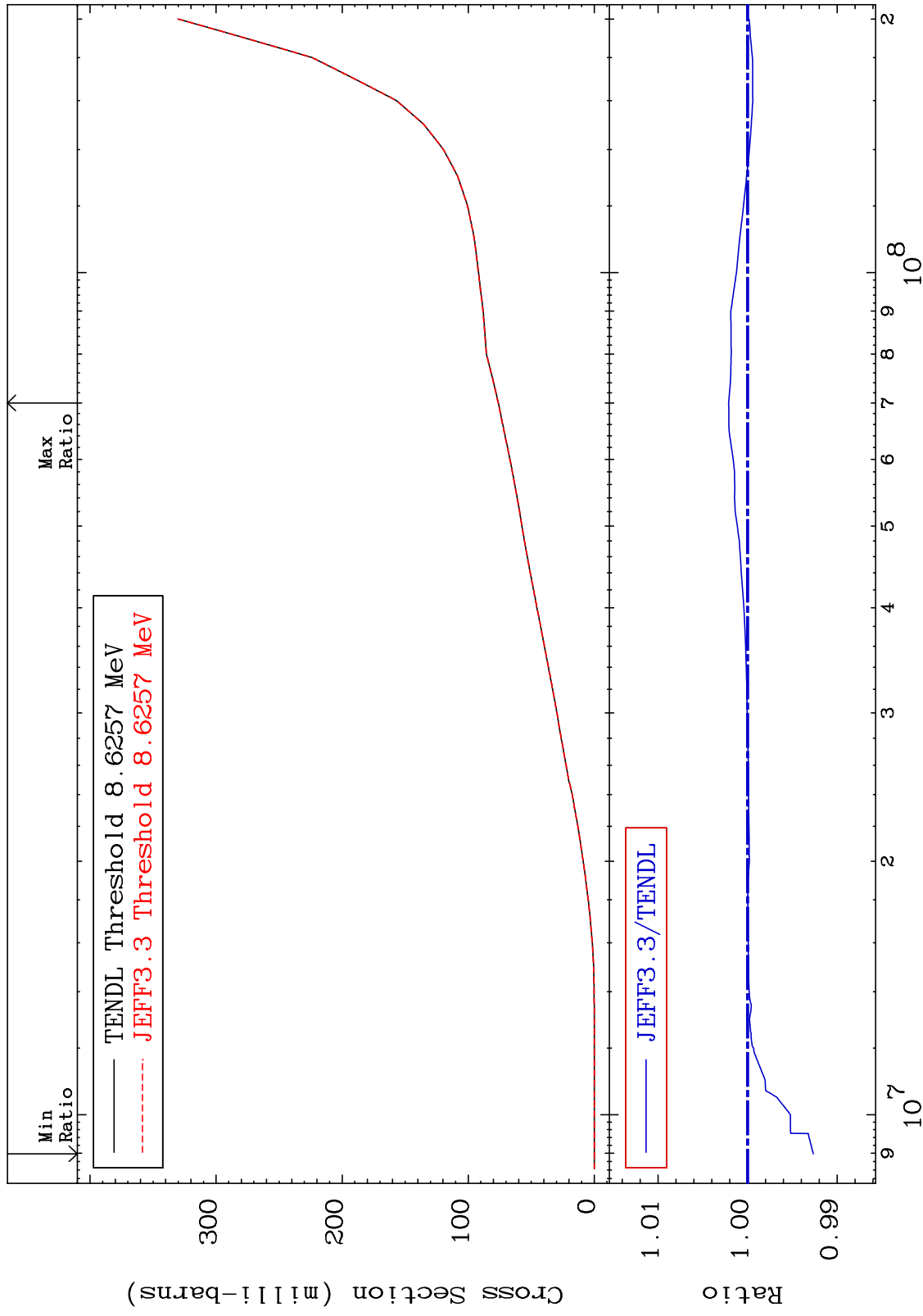
Incident Energy (eV)

<sup>36</sup>Kr-84

MAT 3643

Deuterium Production  
Cross Section

<sup>36</sup>Kr-84  
-0.735 To 0.211 %



57

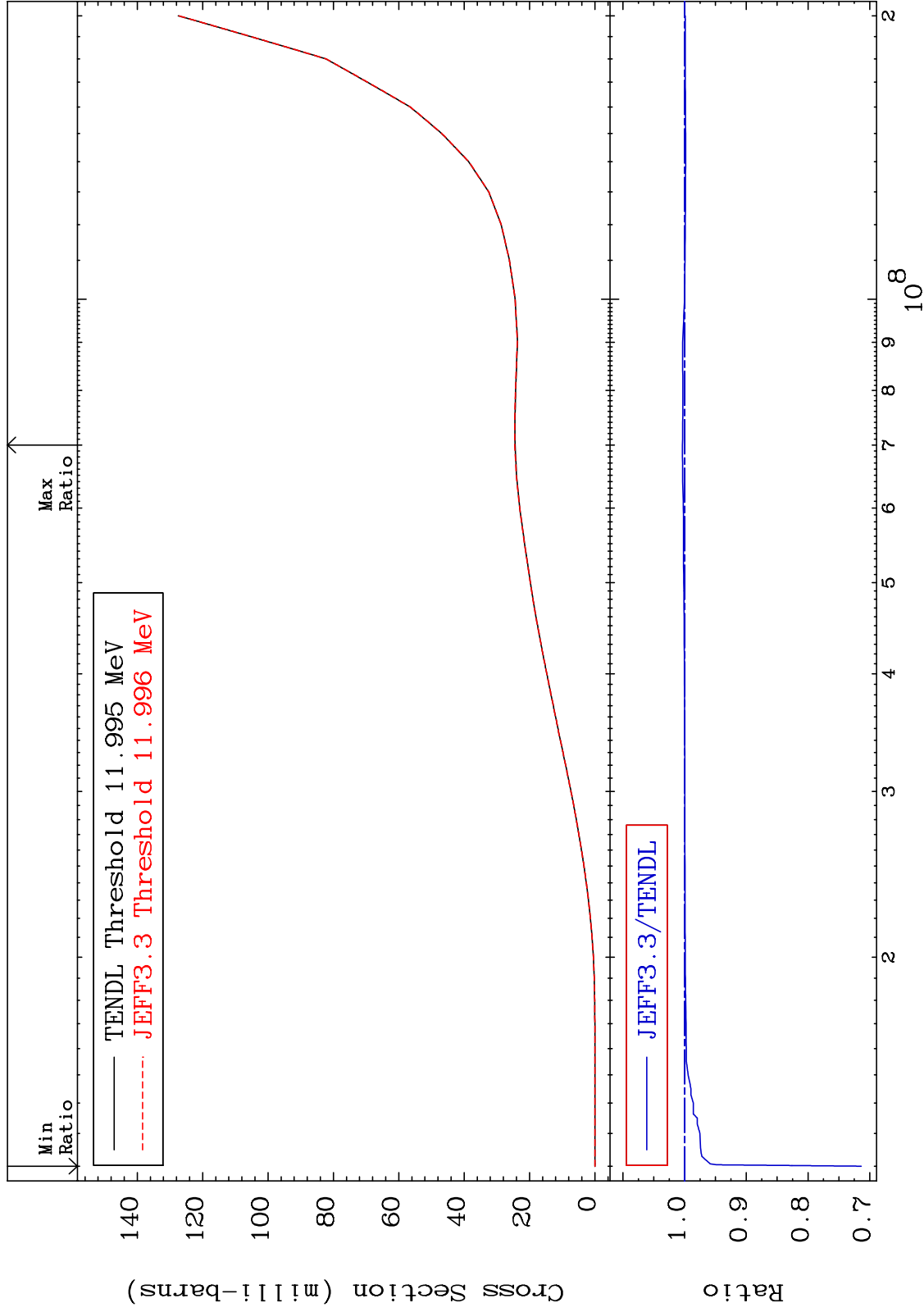
Incident Energy (eV)

<sup>36</sup>Kr-84

MAT 3643

Tritium Production  
Cross Section

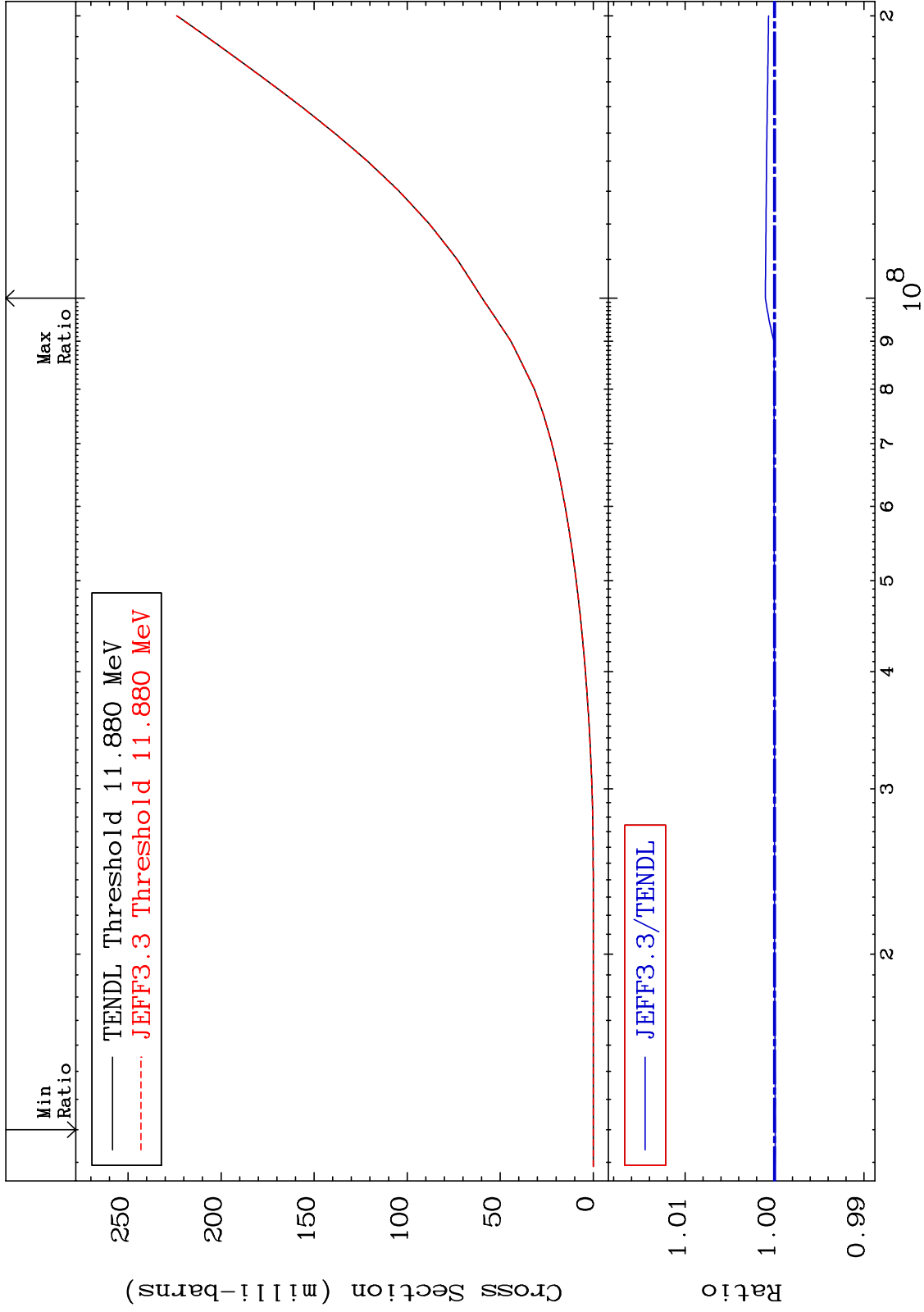
<sup>36</sup>Kr-84  
-28.64 To 0.353 %



MAT 3643

He-3 Production  
Cross Section

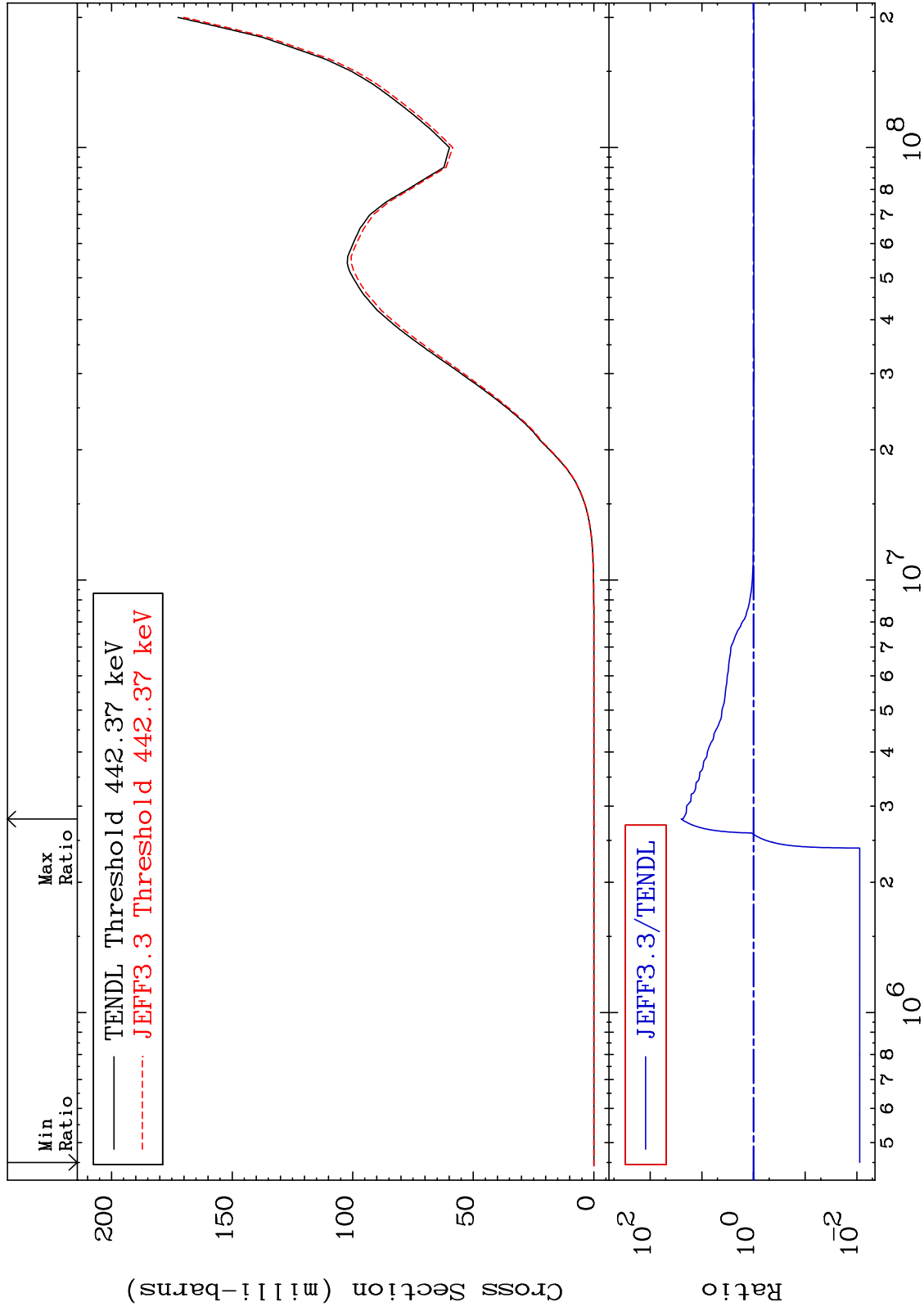
<sup>36</sup>Kr-84  
-0.007 To 0.103 %



MAT 3643

He-4 Production  
Cross Section

36-Kr-84  
-99.12 To 2404. %

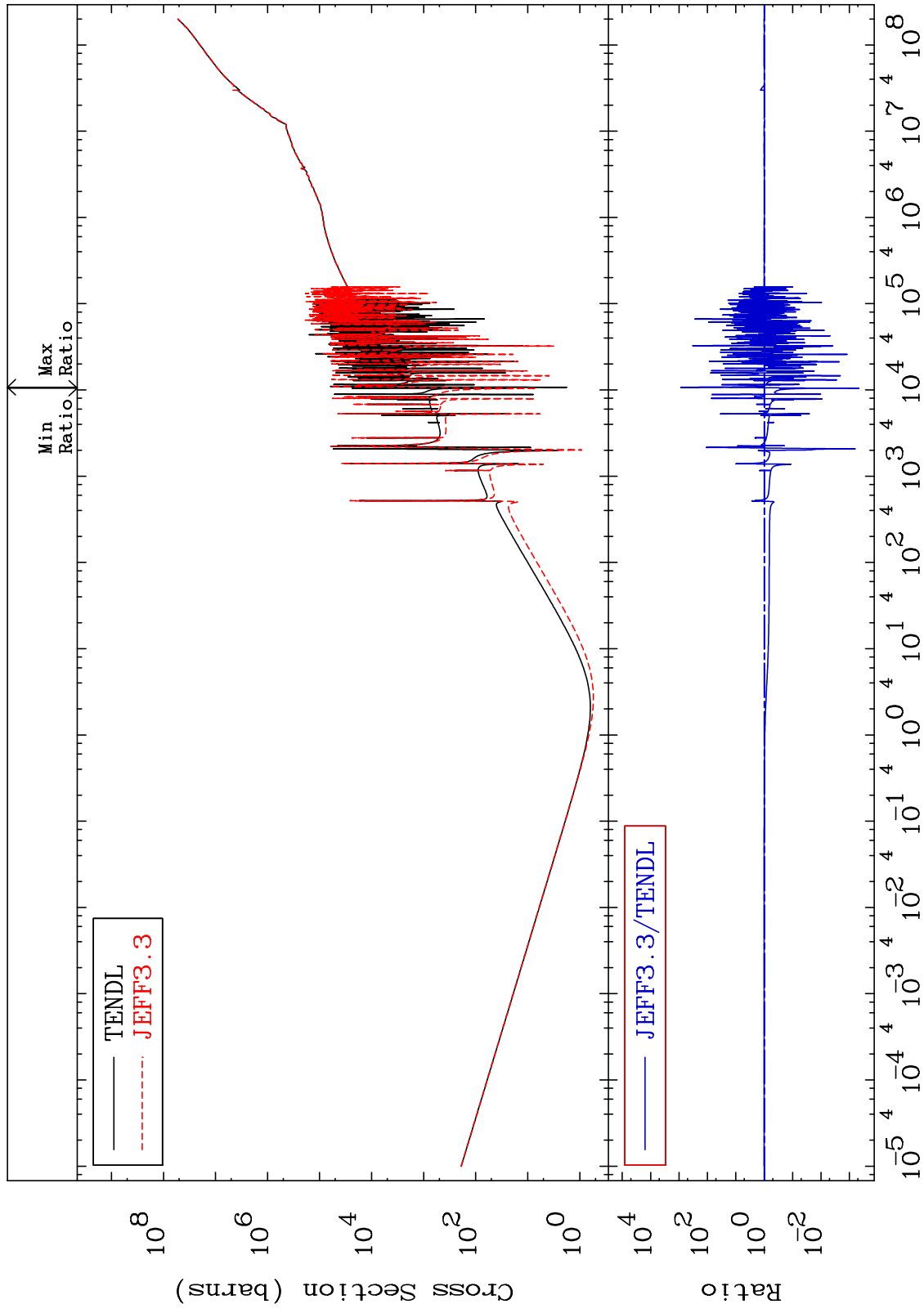


60

MAT 3643

Kerma total (eV-barns)  
Cross Section

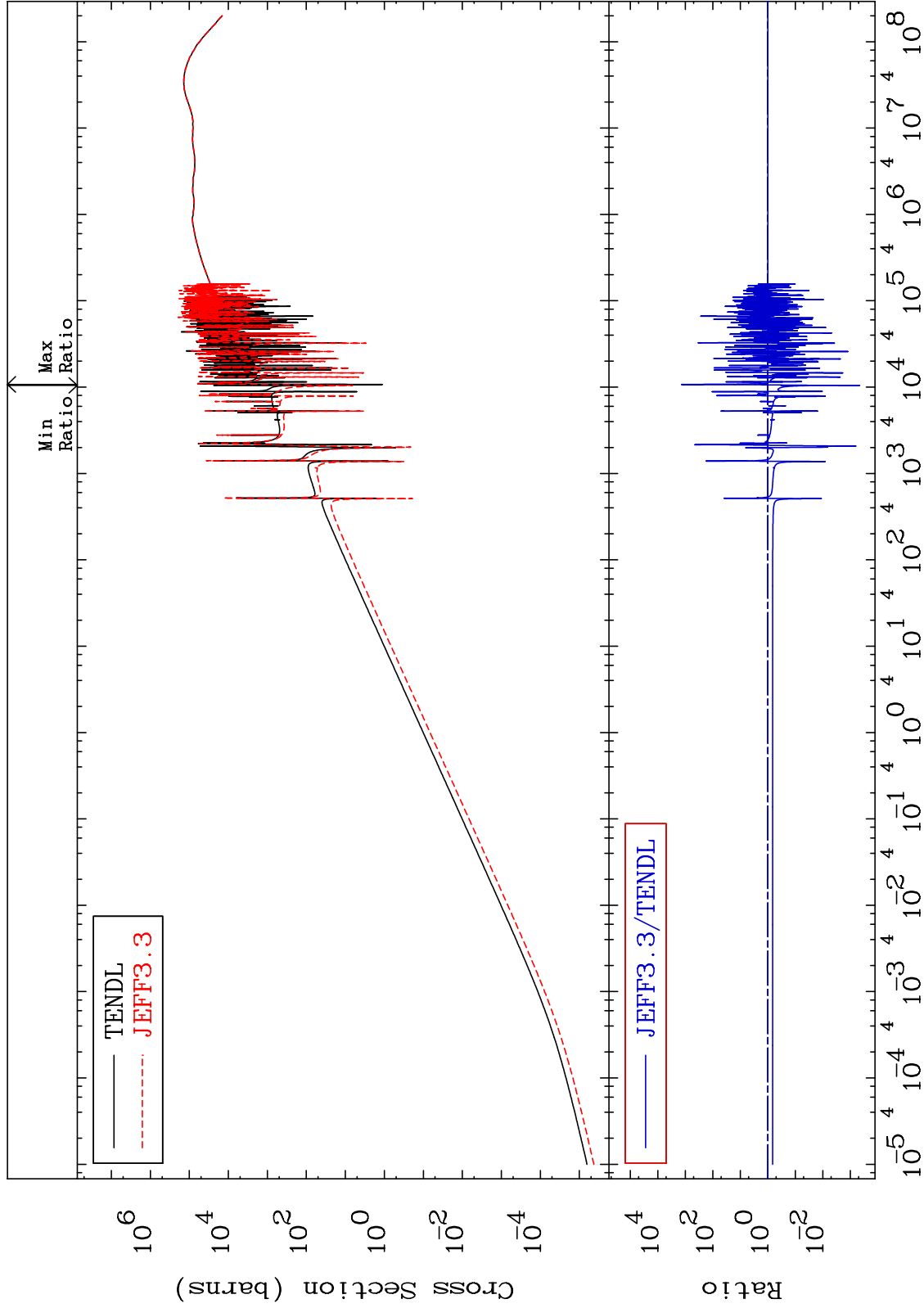
36-Kr-84  
-99.95 To 9999. %



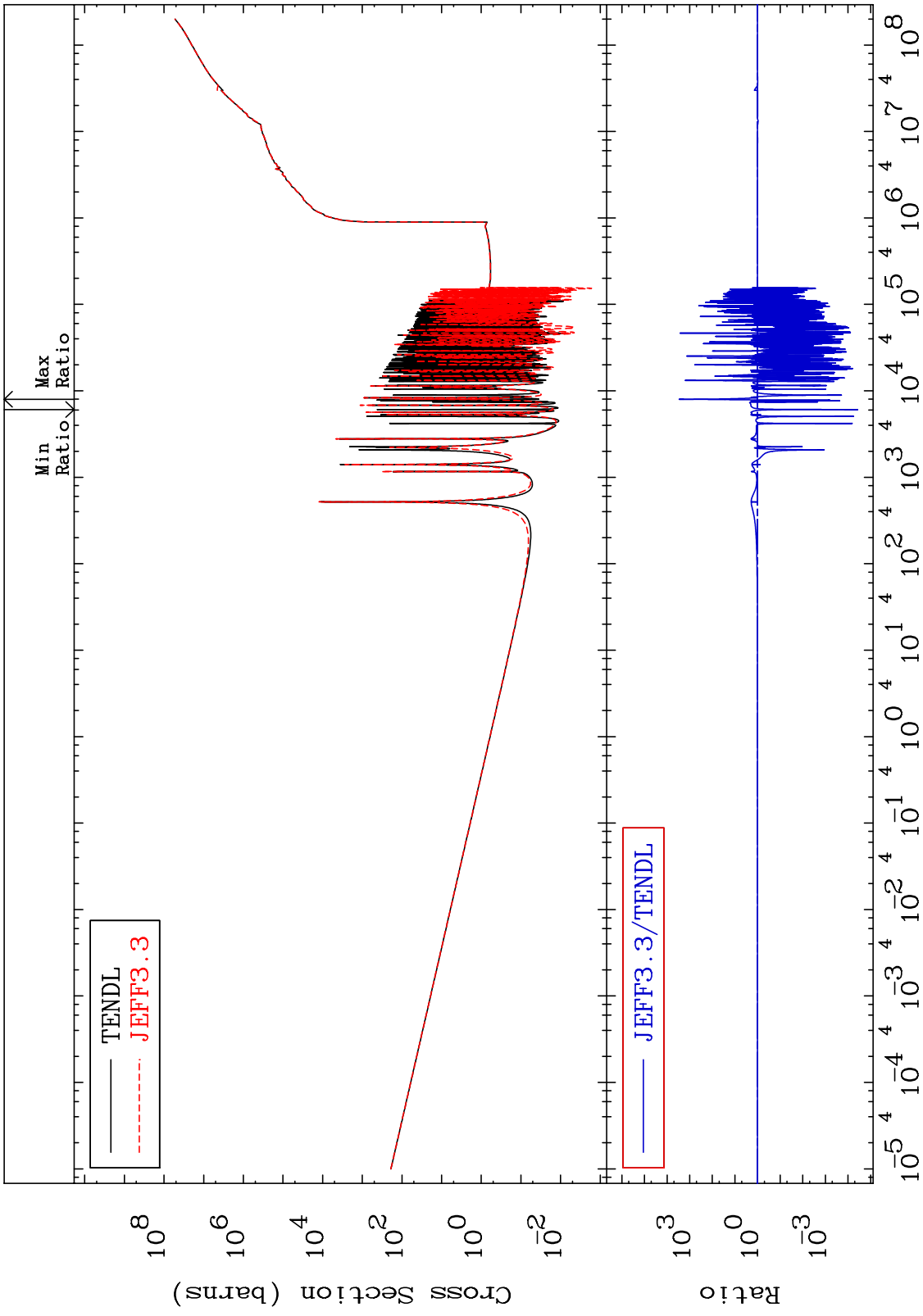
MAT 3643

Kerma elastic  
Cross Section

36-Kr-84  
-99.95 To 9999. %

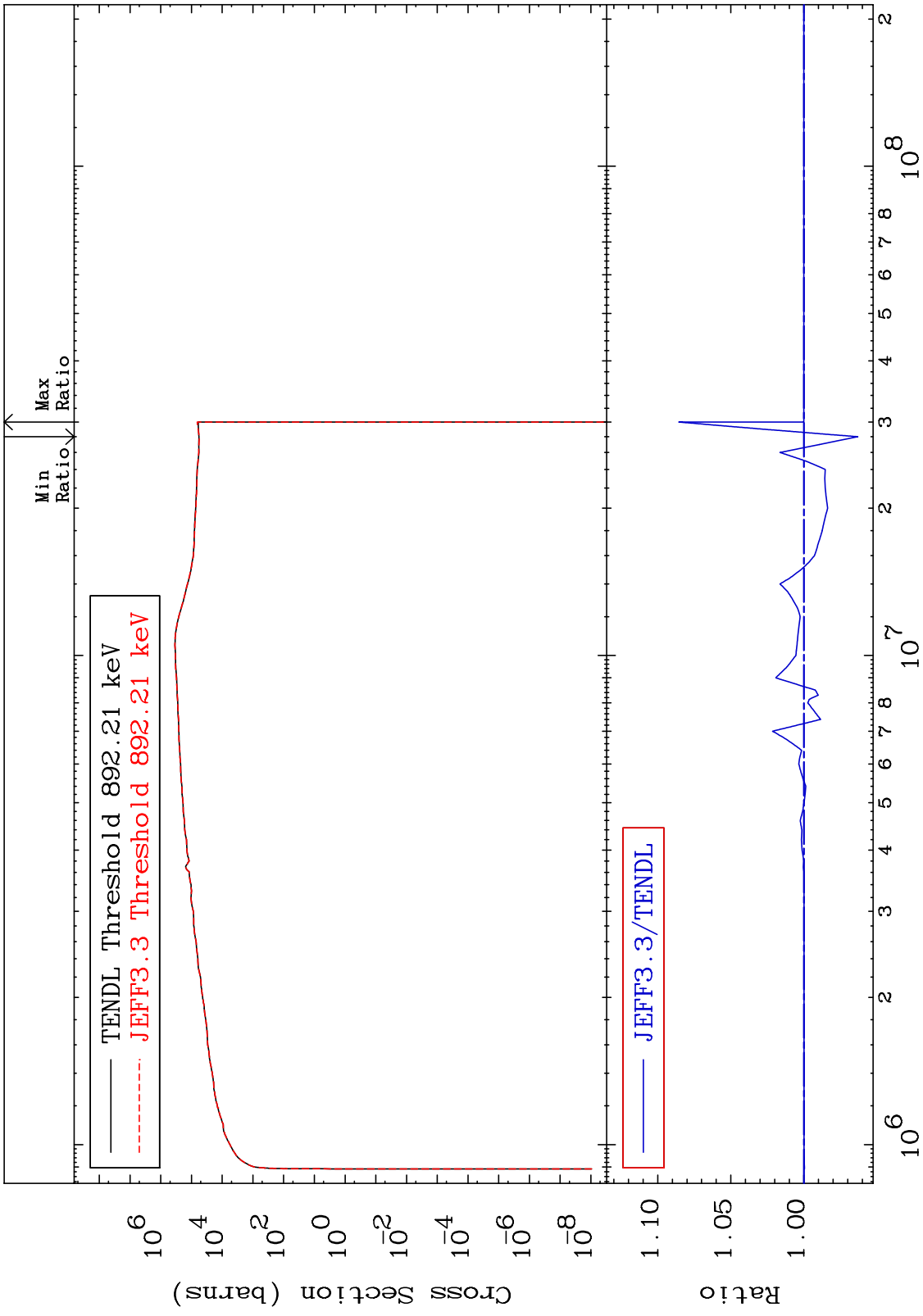


MAT 3643      Kerma non-elastic (all but mt2)      36-Kr-84  
 Cross Section      -100.0 To 9999. %





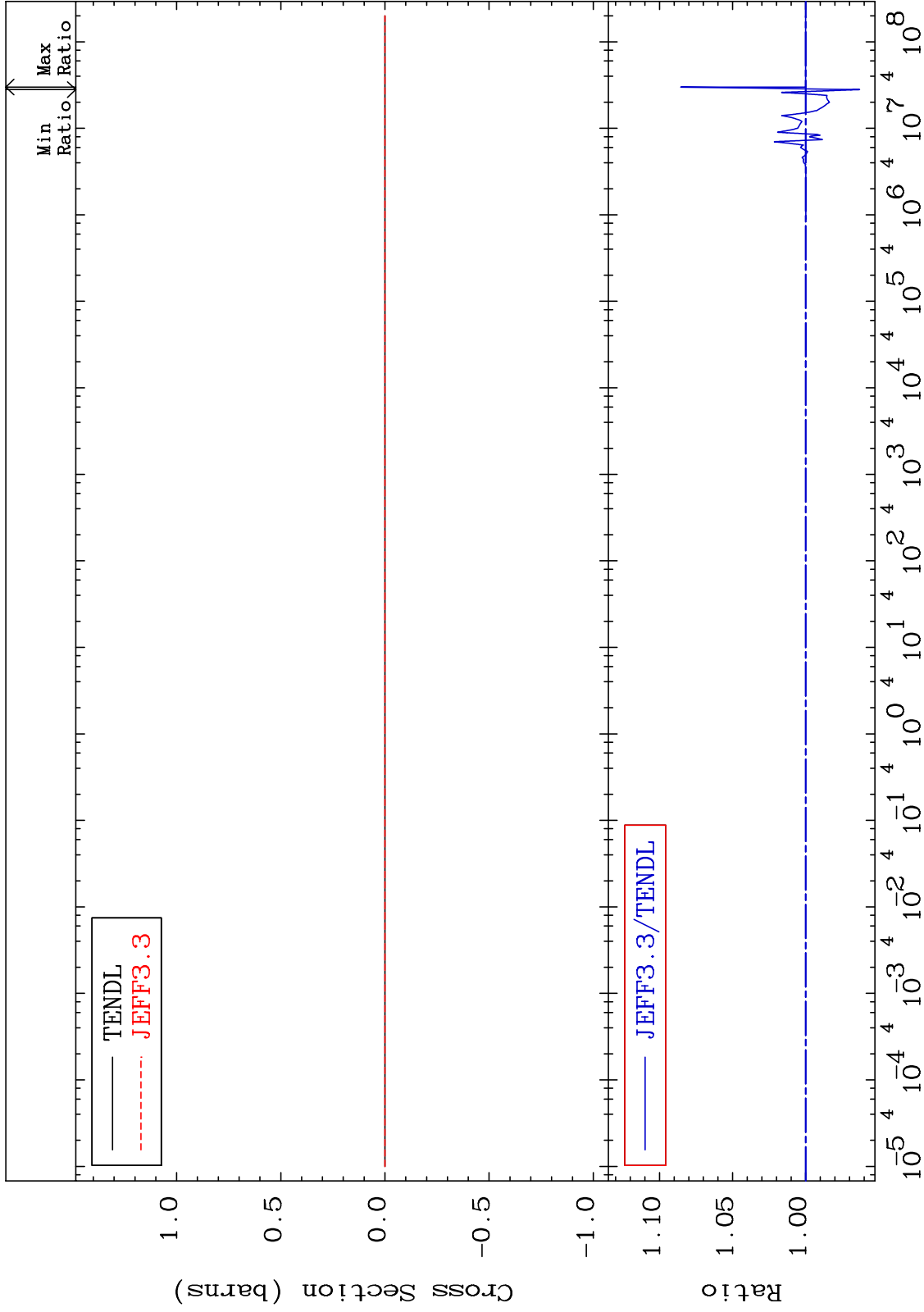
MAT 3643      Kerma inelastic (mt51-91)      36-Kr-84  
Cross Section      -3.690 To 8.542 %



MAT 3643

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

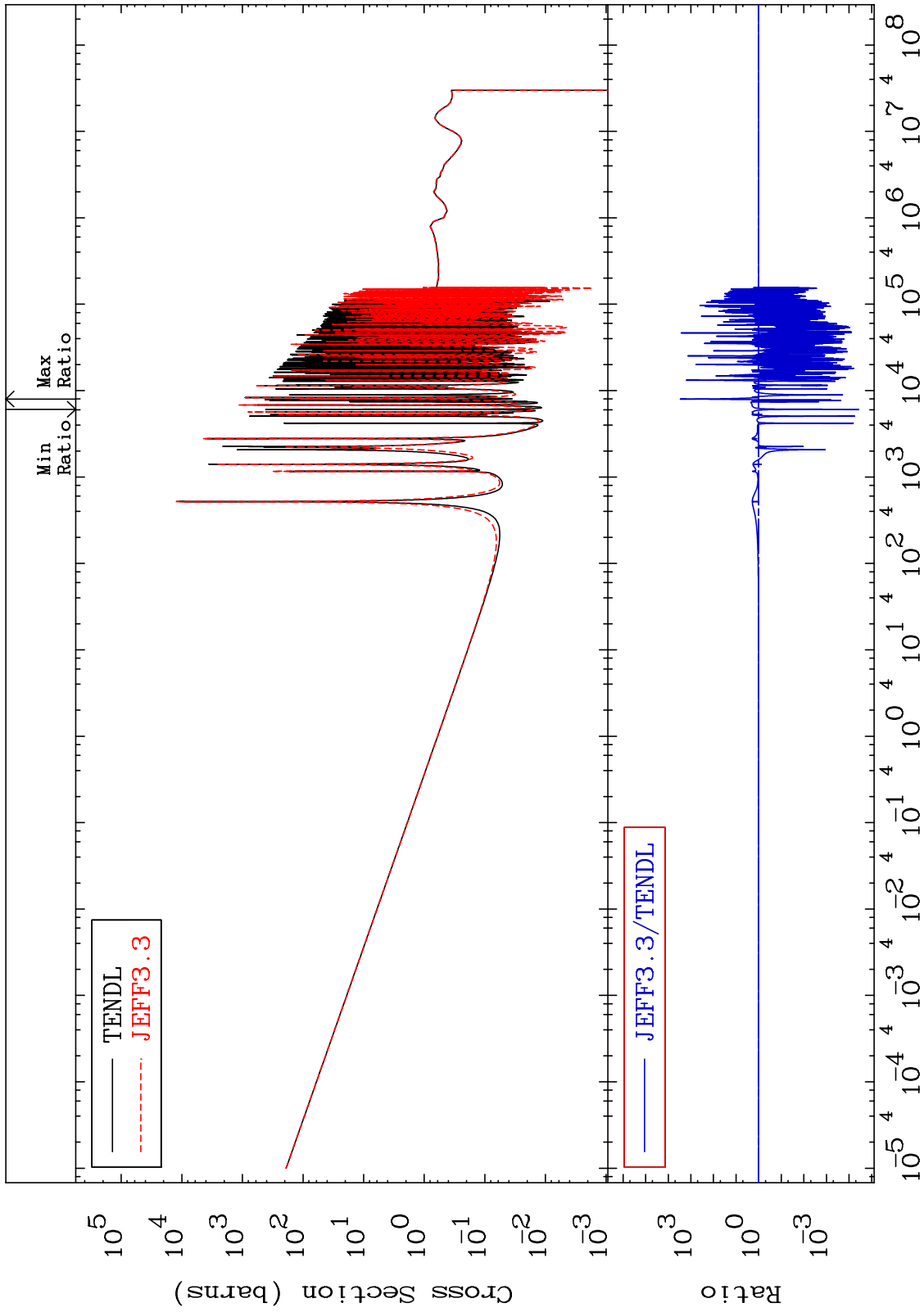
36-Kr-84  
-3.690 To 8.542 %



MAT 3643

Kerma capture (mt102)  
Cross Section

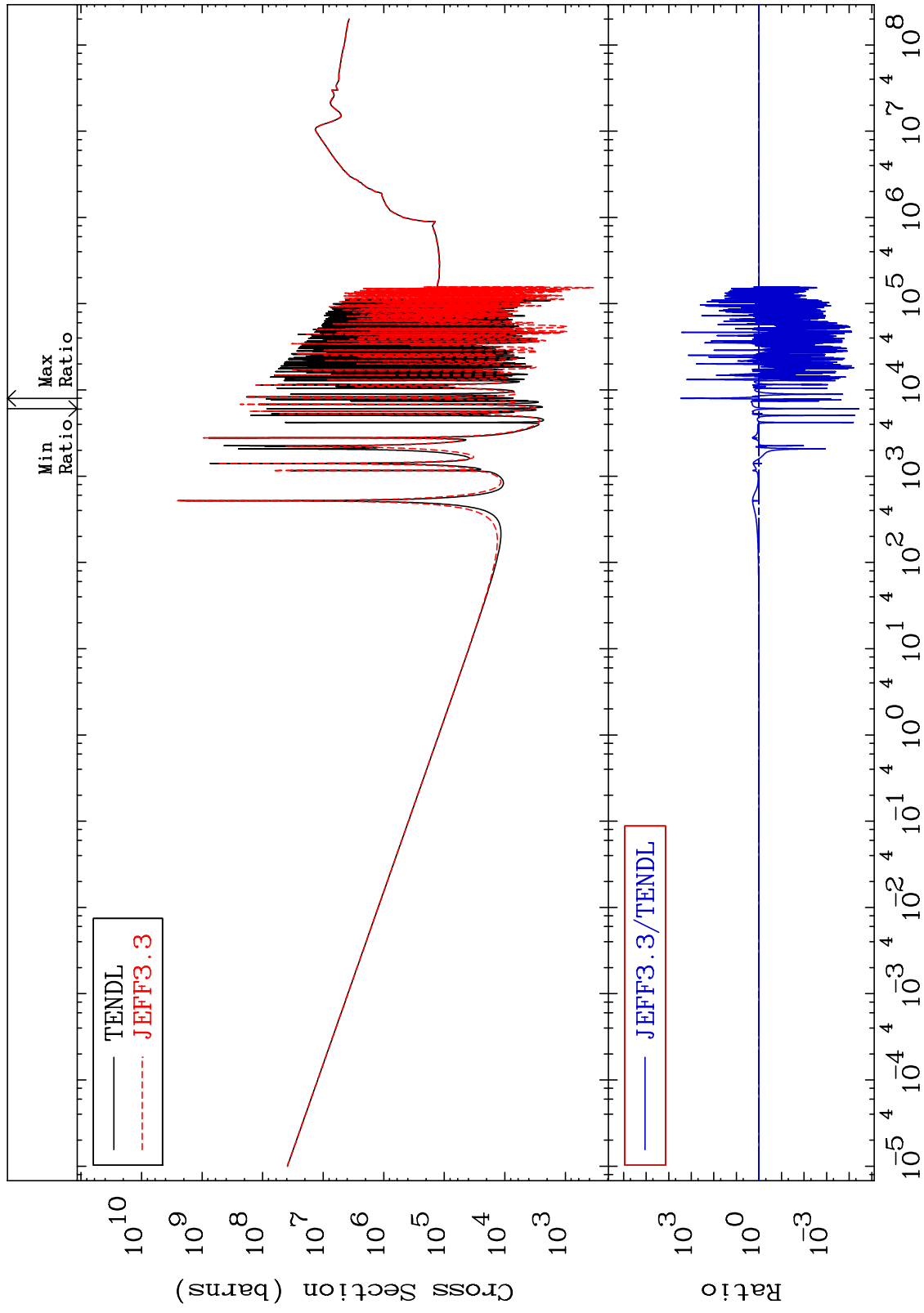
36-Kr-84  
-100.0 To 9999. %



MAT 3643

Total photon (eV-barns)  
Cross Section

36-Kr-84  
-100.0 To 9999. %

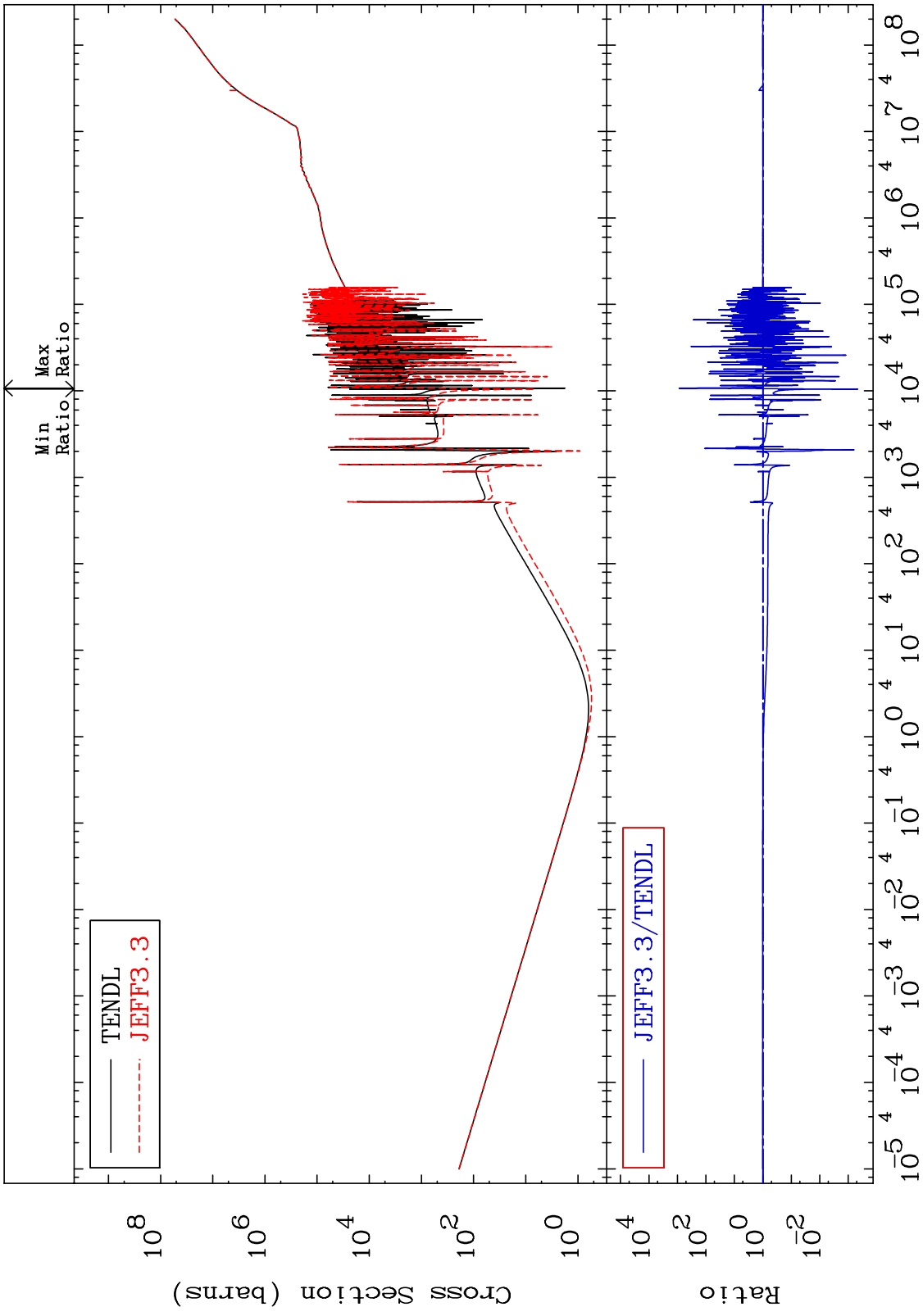


67

Incident Energy (eV)

36-Kr-84

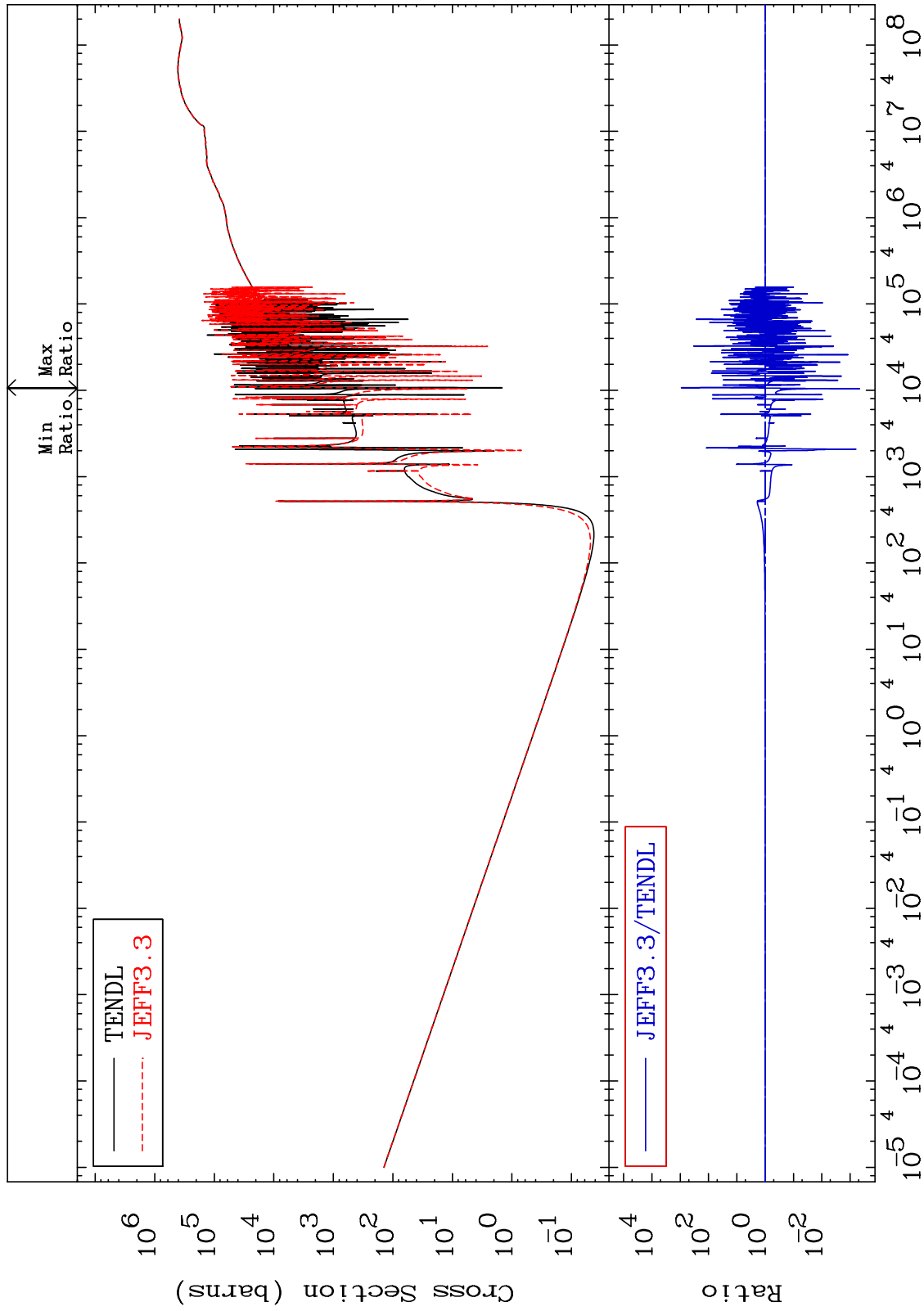
MAT 3643      Total kinematic kerma (high limit)      36-Kr-84  
Cross Section      -99.95 To 9999. %



MAT 3643

Dpa total (eV-barns)  
Cross Section

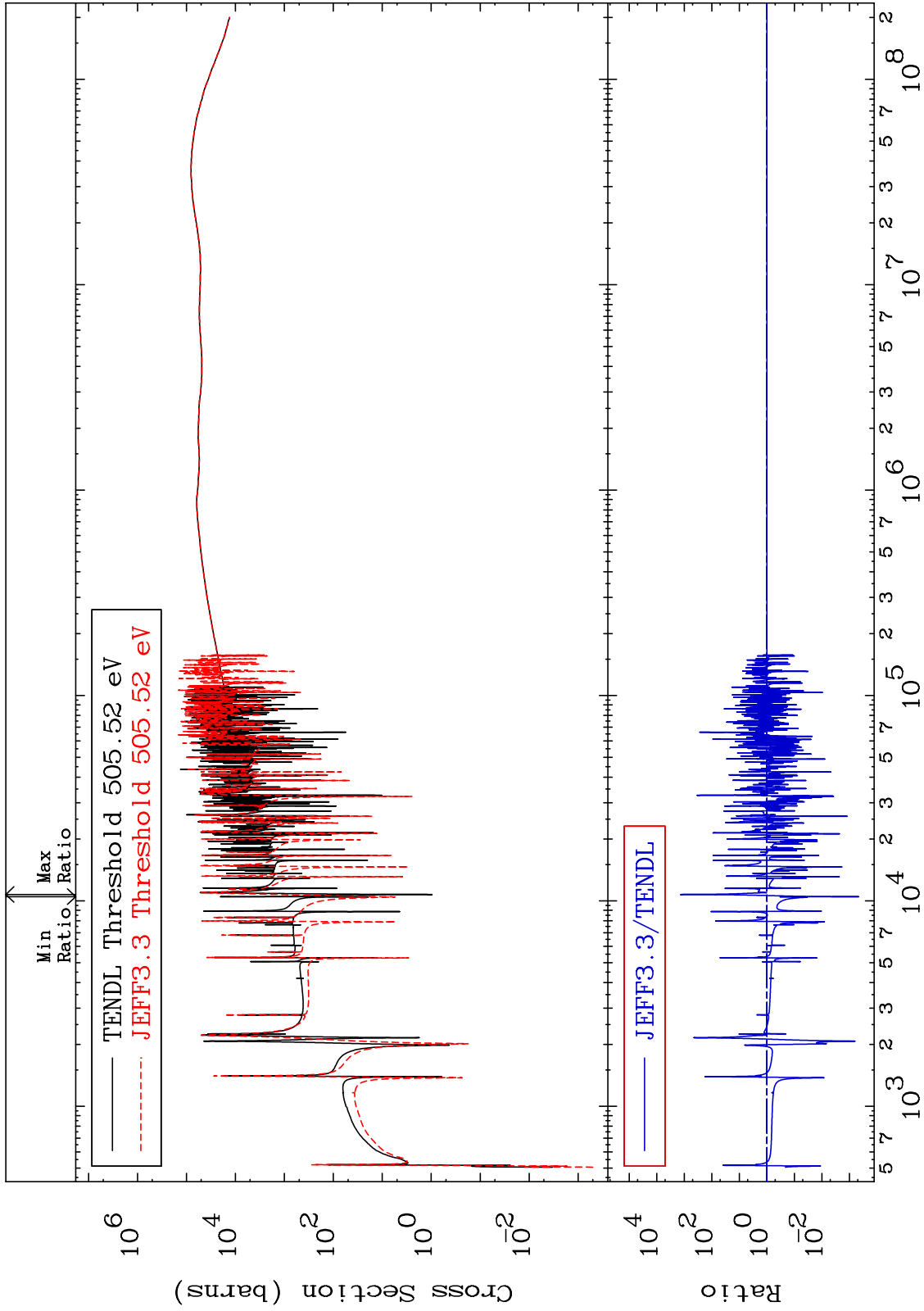
36-Kr-84  
-99.95 To 9999. %



MAT 3643

Dpa elastic (mt2)  
Cross Section

36-Kr-84  
-99.95 To 9999. %



70

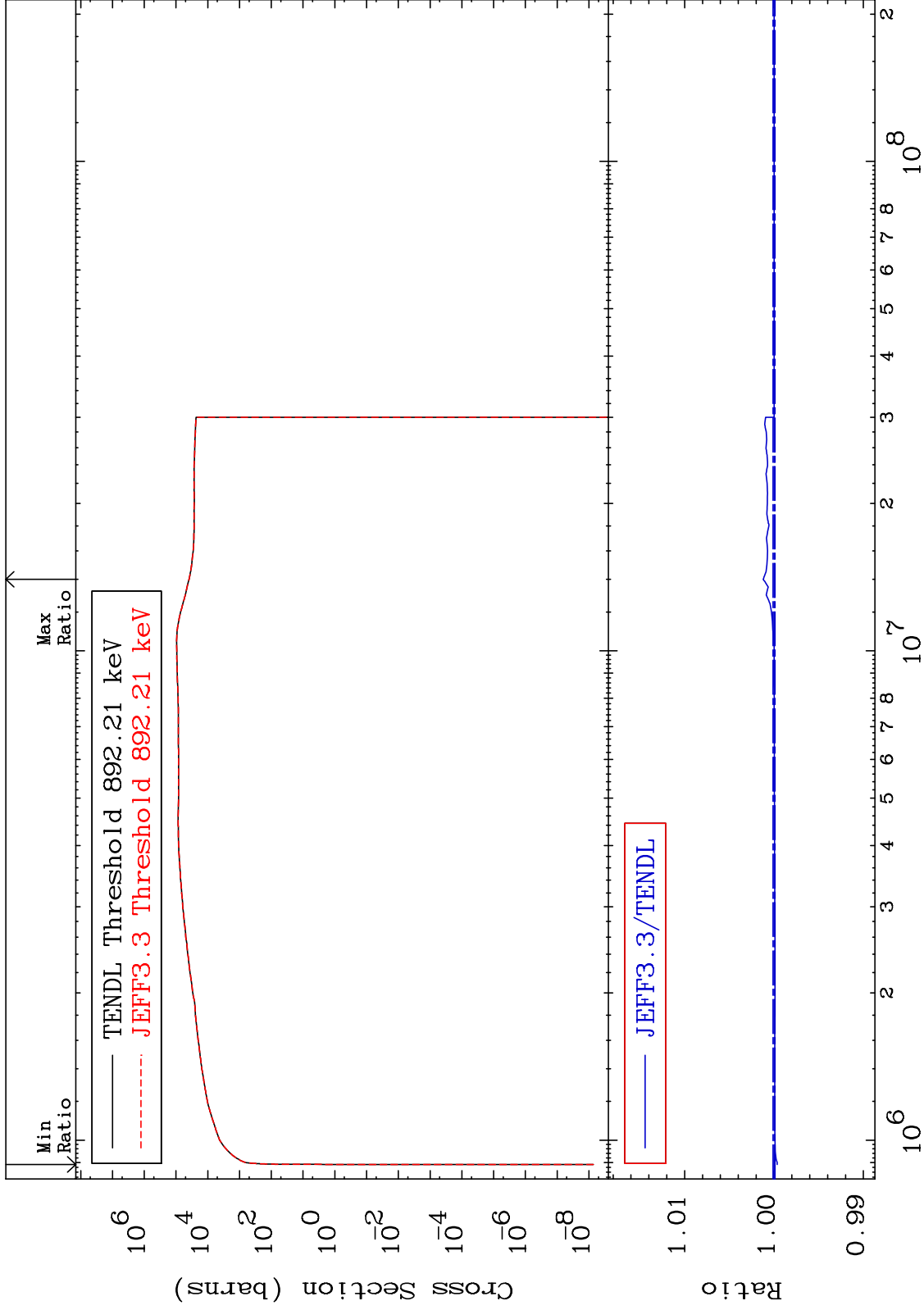
Incident Energy (eV)

36-Kr-84

MAT 3643

Dpa inelastic (mt51-91)  
Cross Section

36-Kr-84  
-0.036 To 0.120 %

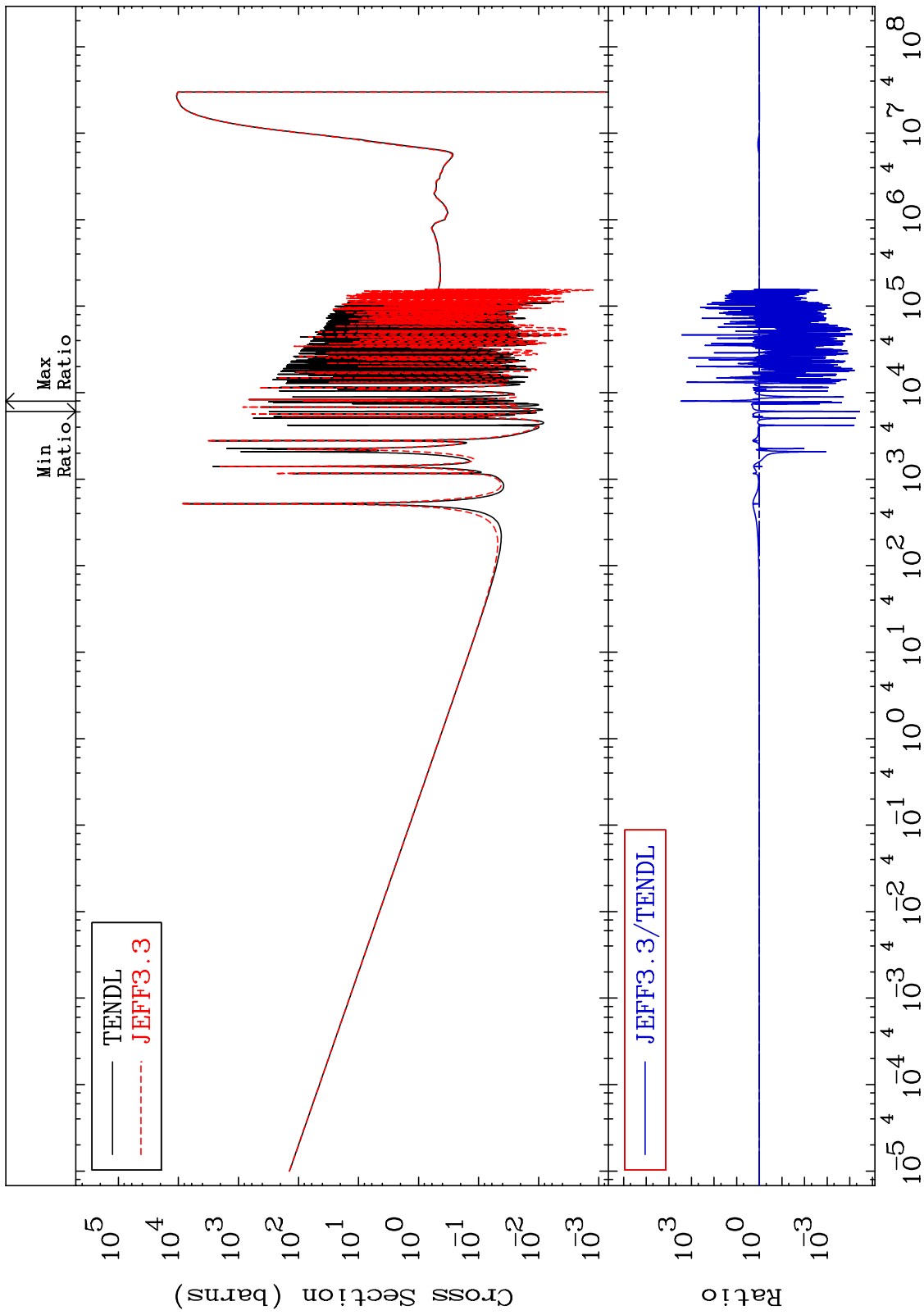




MAT 3643

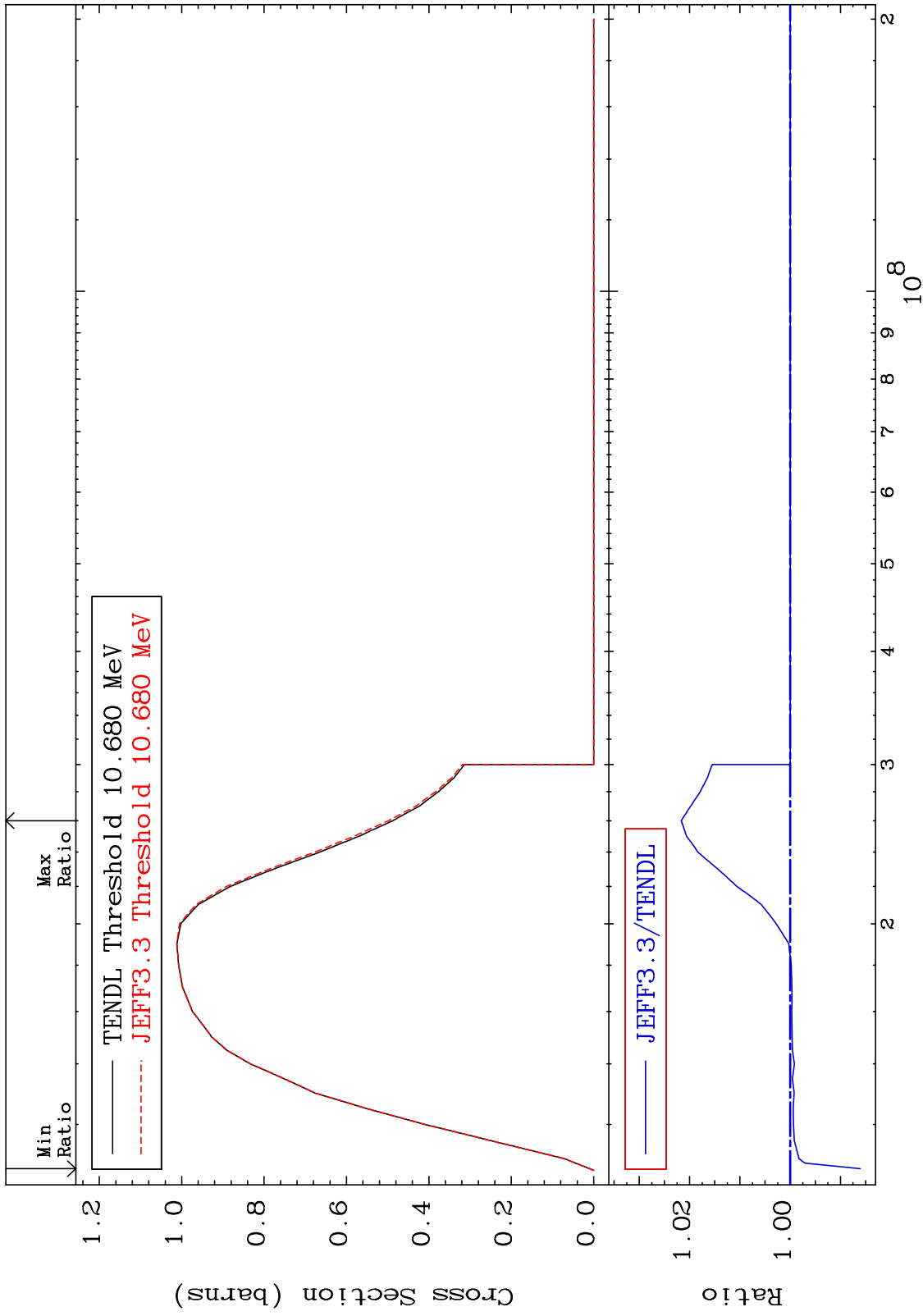
Dpa disappearance (mt102 -120)  
Cross Section

36-Kr-84  
-100.0 To 9999. %



MAT 3643

(n,2n):36-Kr-83g 36-Kr-84  
Radionuclide Production Cross Section -1.392 To 2.165 %



73

Incident Energy (eV)

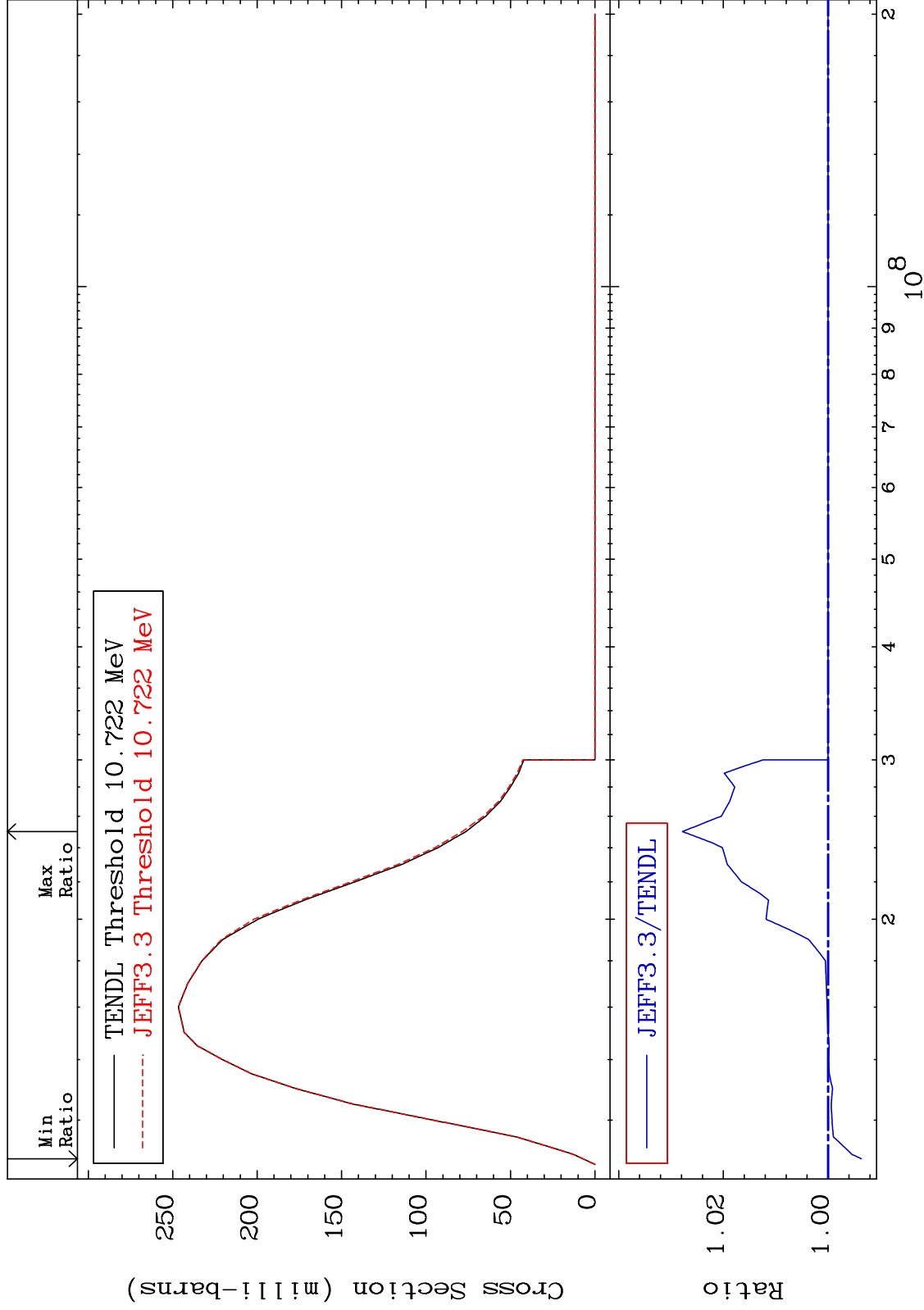
36-Kr-84

MAT 3643

(n,2n):36-Kr-83m2

36-Kr-84

Radionuclide Production Cross Section -0.635 To 2.782 %



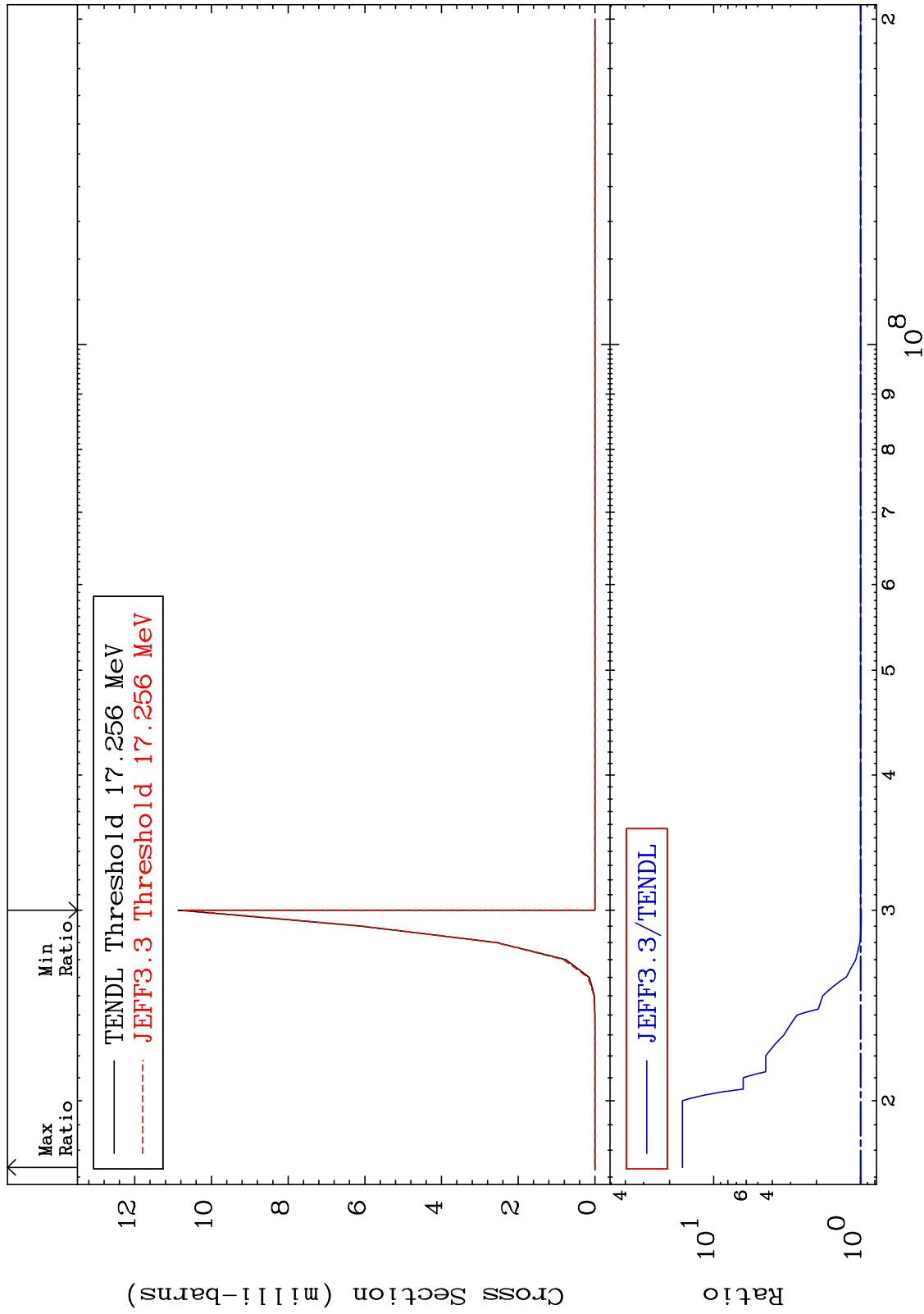
74

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2n)  $\alpha$ : 34-Se-79g 36-Kr-84  
Radionuclide Production Cross Section -1.064 To 1532. %



75

Incident Energy (eV)

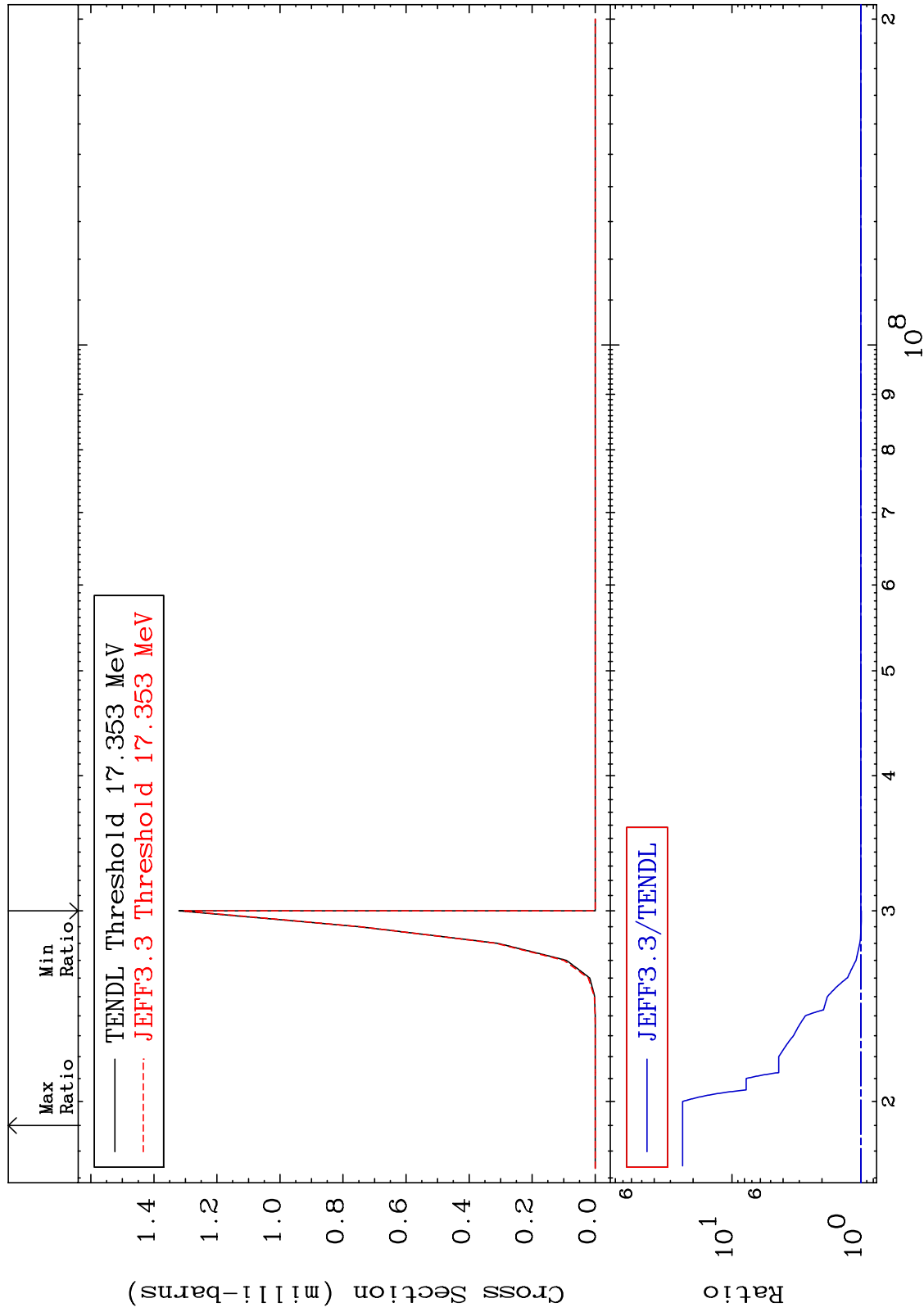
36-Kr-84

MAT 3643

(n,2n)  $\alpha$ :34-Se-79m1

36-Kr-84

Radionuclide Production Cross Section -0.909 To 2307. %

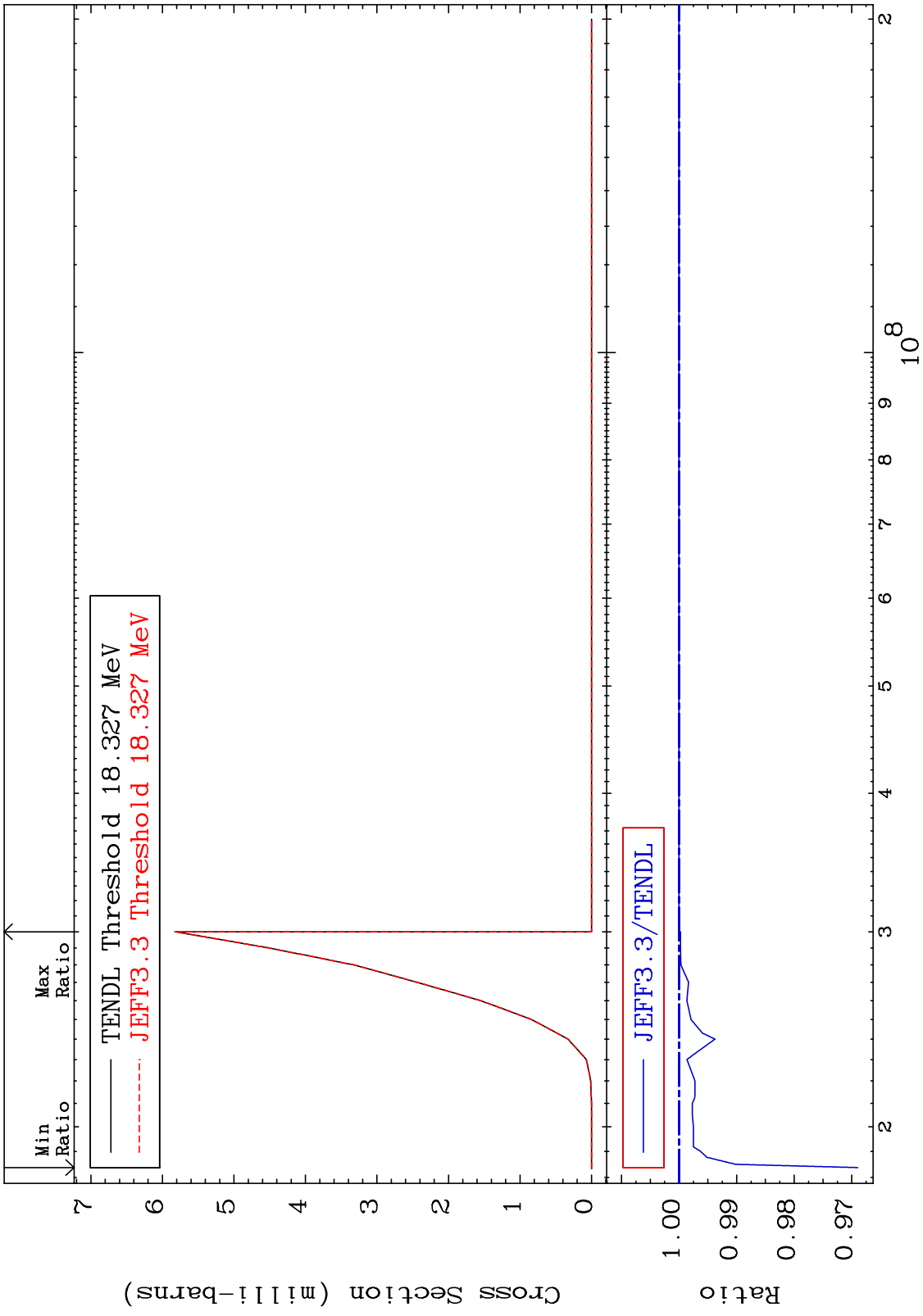


76

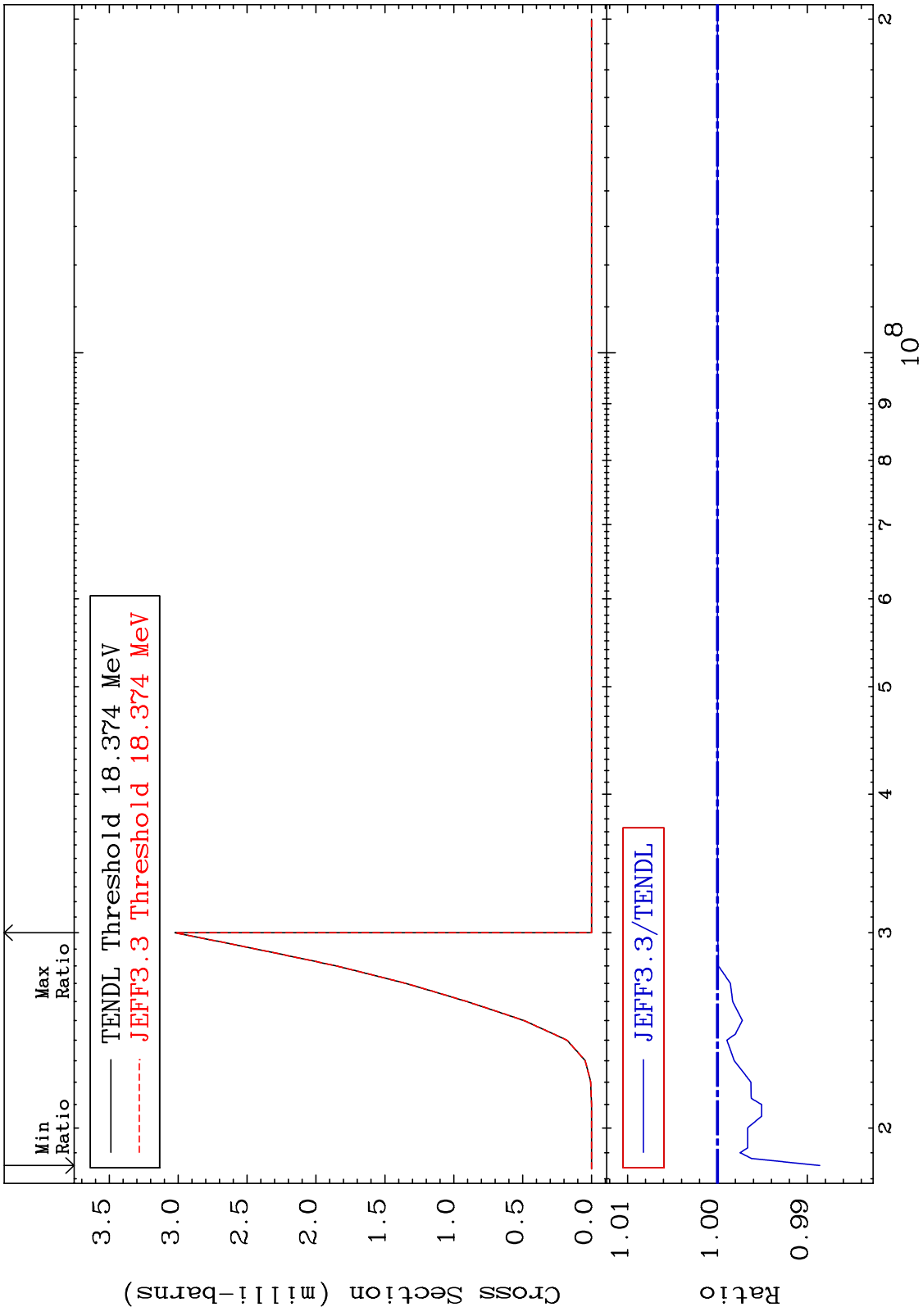
Incident Energy (eV)

36-Kr-84

MAT 3643 (n, n') d: 35-Br-82g 36-Kr-84  
 Radionuclide Production Cross Section -3.106 To 0.000 %

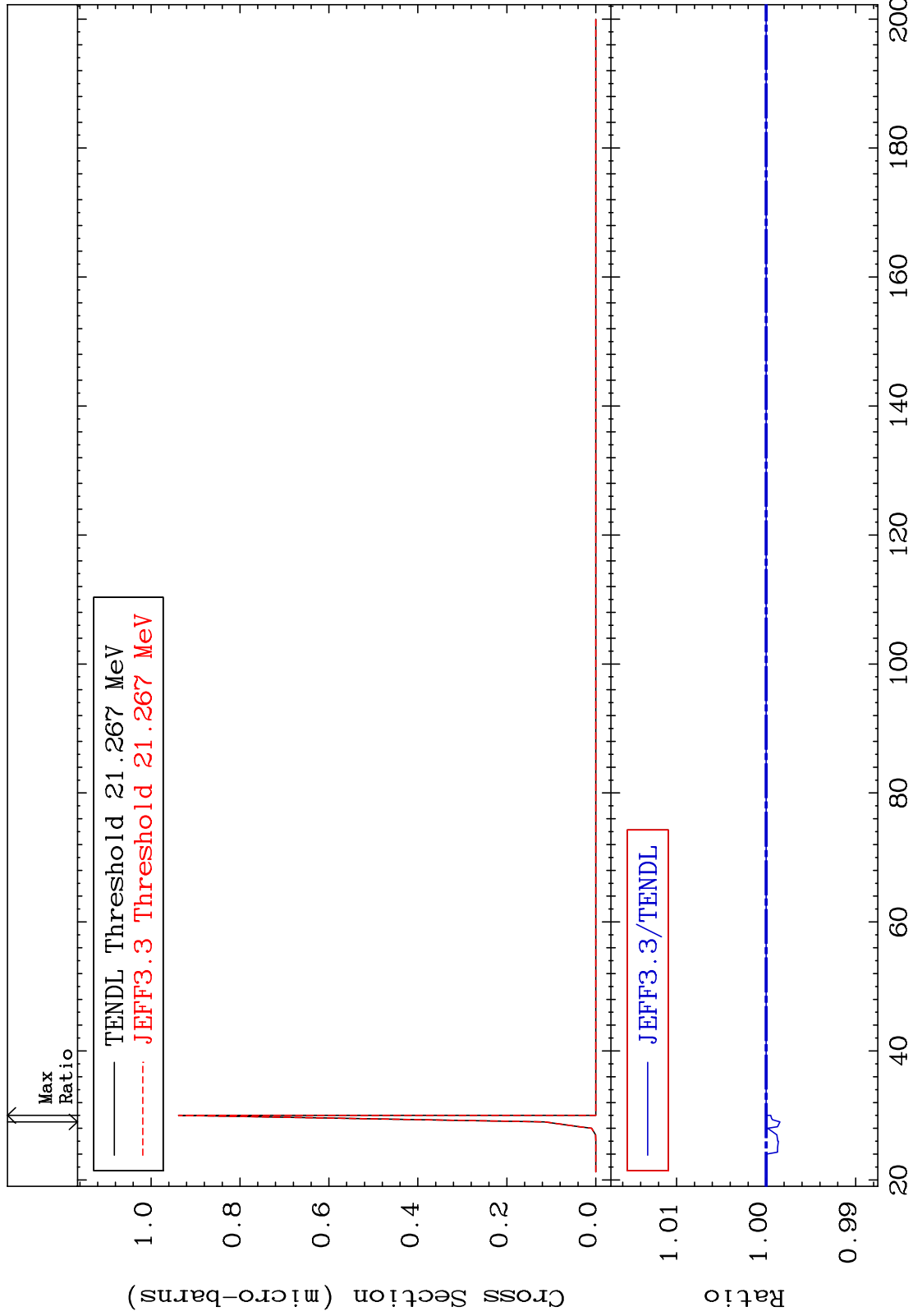


MAT 3643 (n, n') d:35-Br-82m1 36-Kr-84  
 Radionuclide Production Cross Section -1.136 To 0.003 %



MAT 3643

(n,n') He-3:34-Se-81g 36-Kr-84  
Radionuclide Production Cross Section -0.153 To 0.000 %



79

Incident Energy (MeV)

36-Kr-84

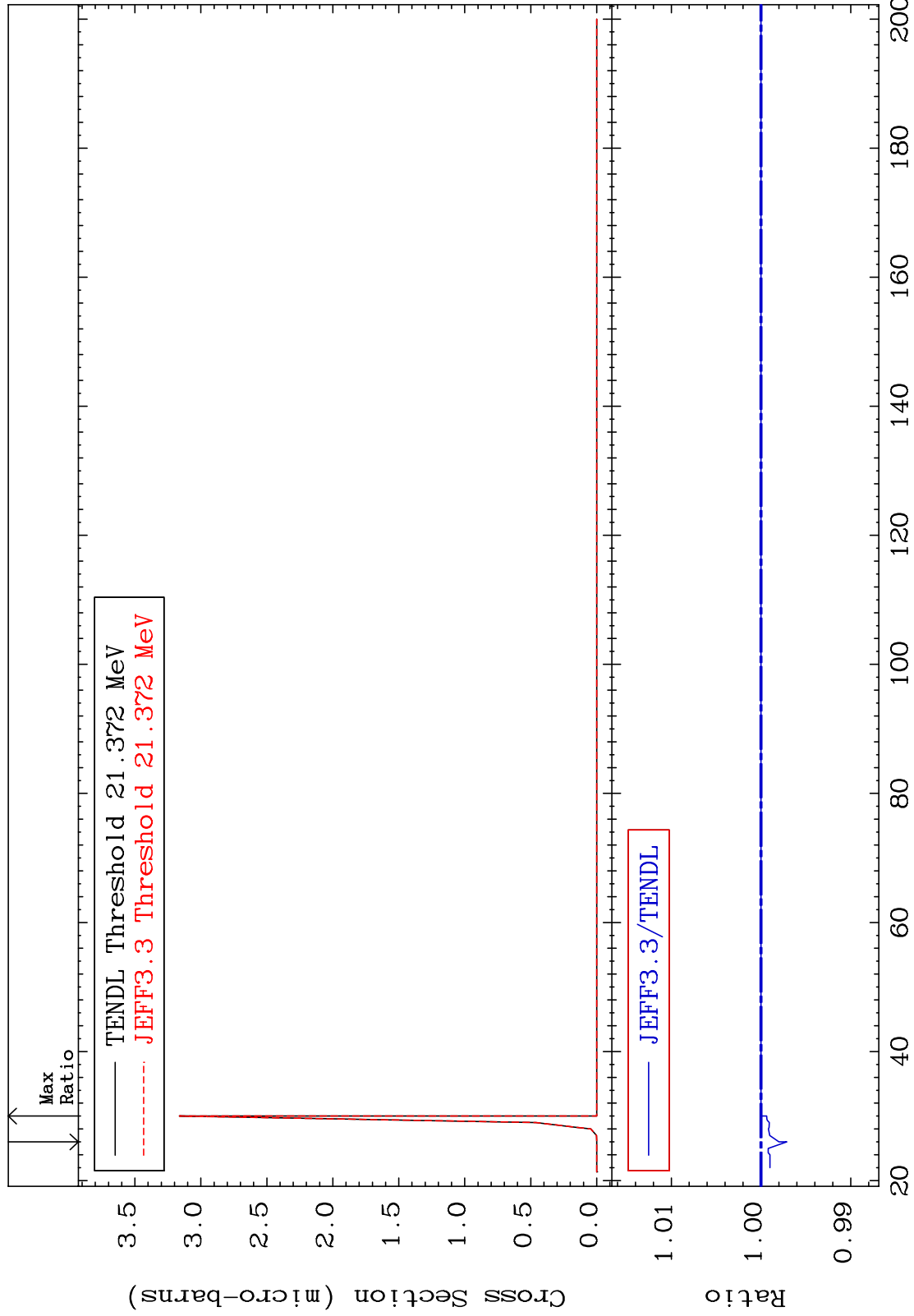


MAT 3643

(n,n') He-3:34-Se-81m1

36-Kr-84

Radionuclide Production Cross Section -0.289 To 0.000 %



80

Incident Energy (MeV)

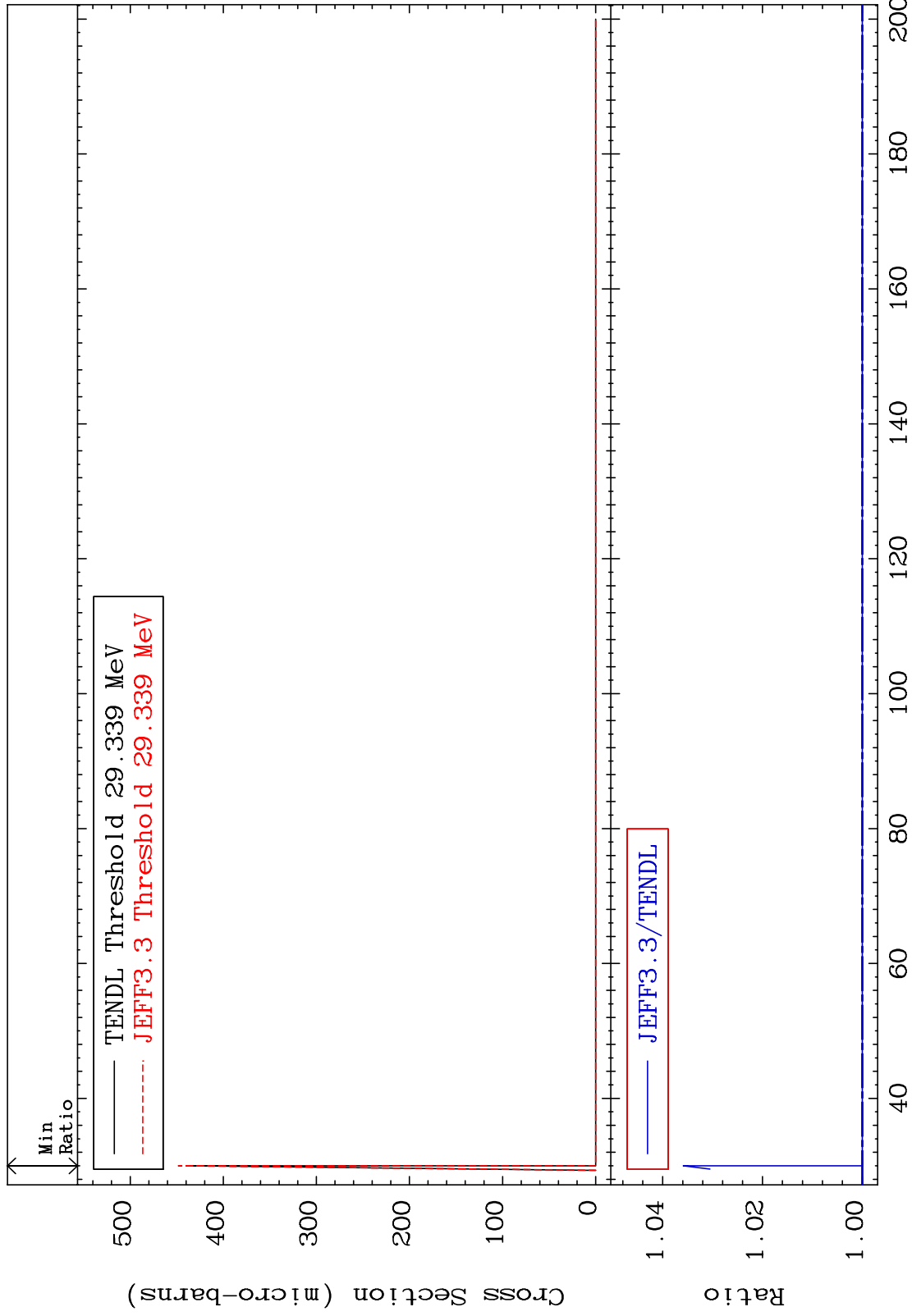
36-Kr-84

MAT 3643

(n,4n):36-Kr-81g

36-Kr-84

Radionuclide Production Cross Section 0.000 To 3.588 %

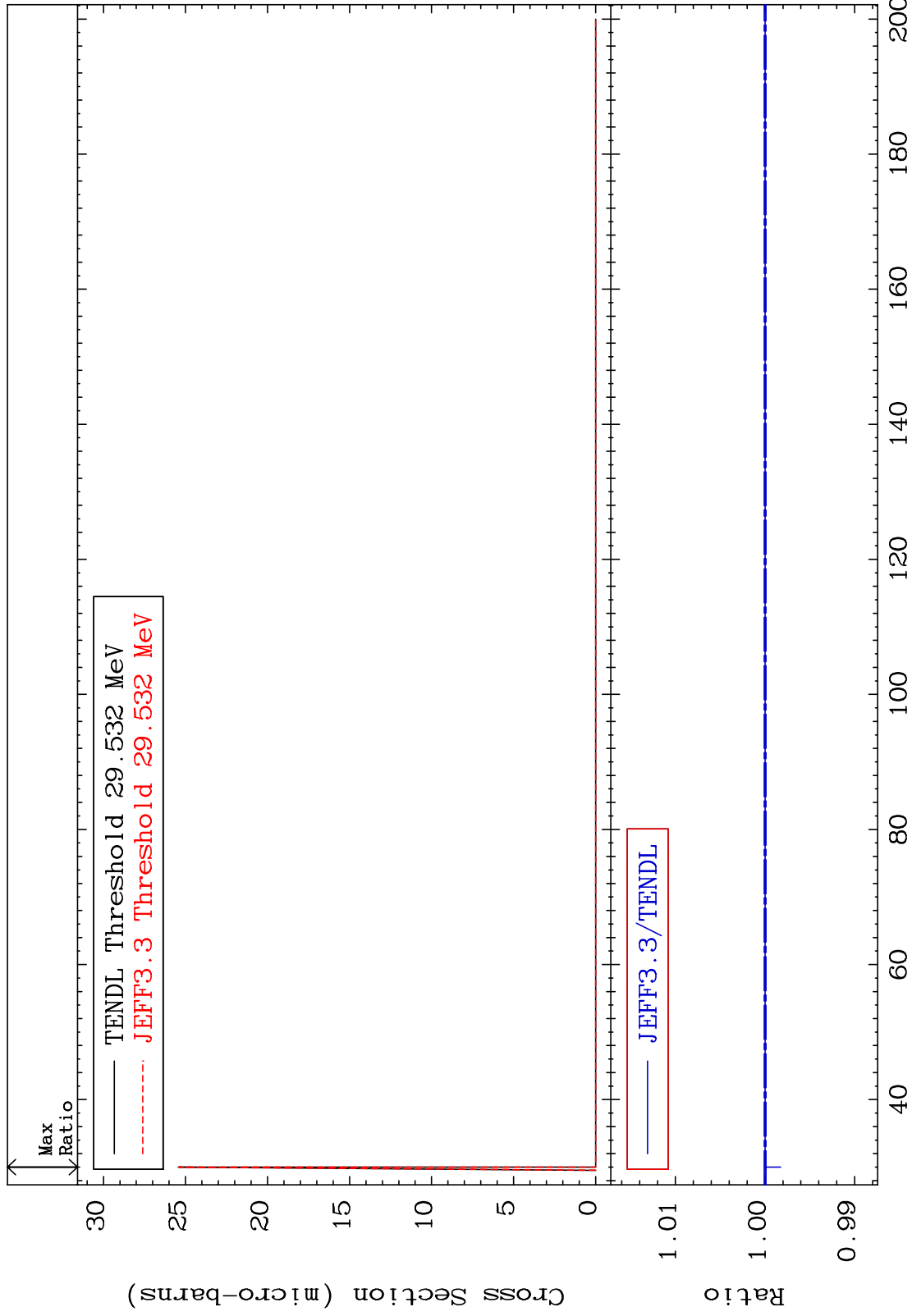


MAT 3643

(n,4n):36-Kr-81m2

36-Kr-84

Radionuclide Production Cross Section -0.173 To 0.000 %



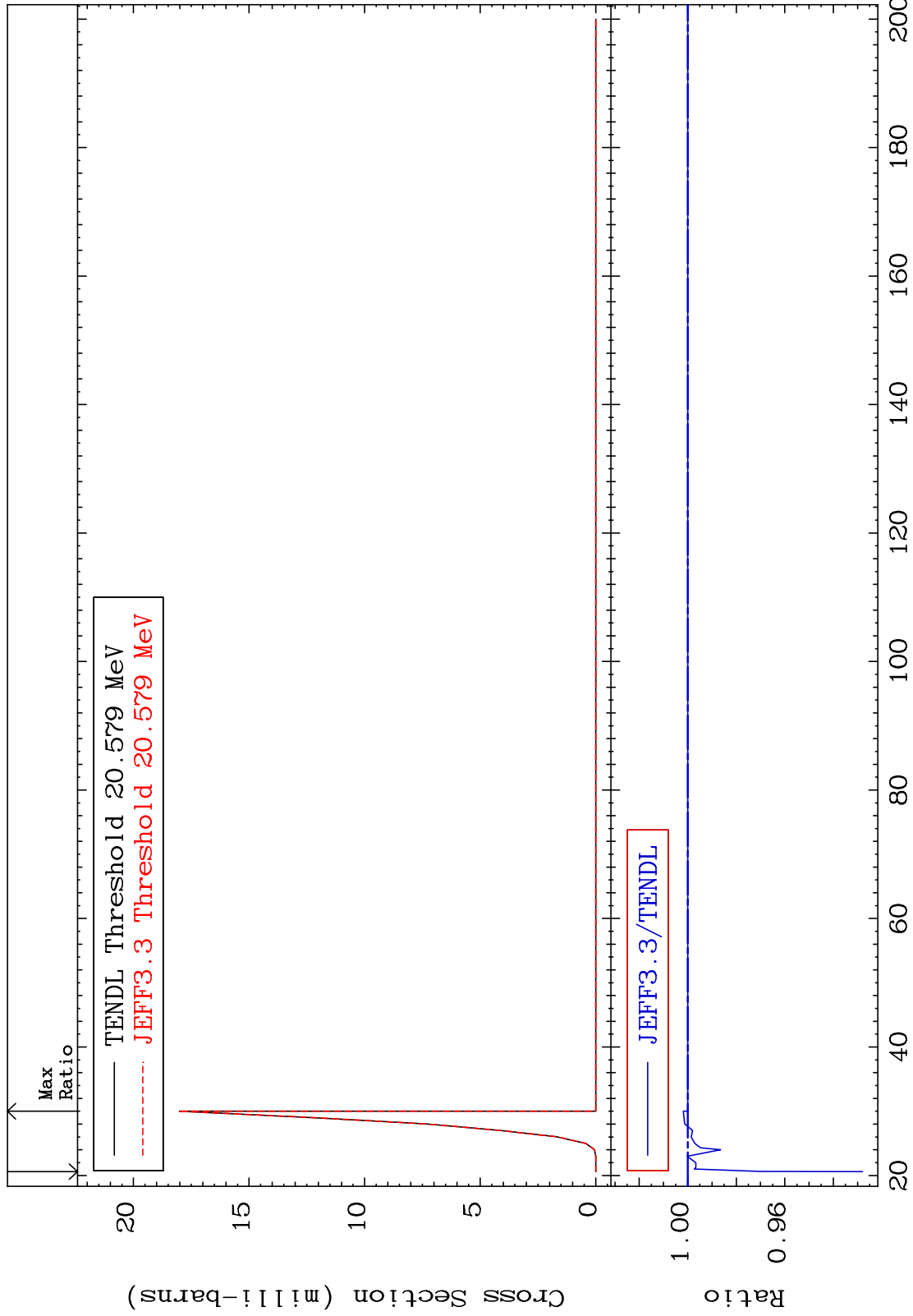
82

Incident Energy (MeV)

36-Kr-84

MAT 3643

(n,2n) p:35-Br-82g 36-Kr-84  
Radionuclide Production Cross Section -7.204 To 0.178 %

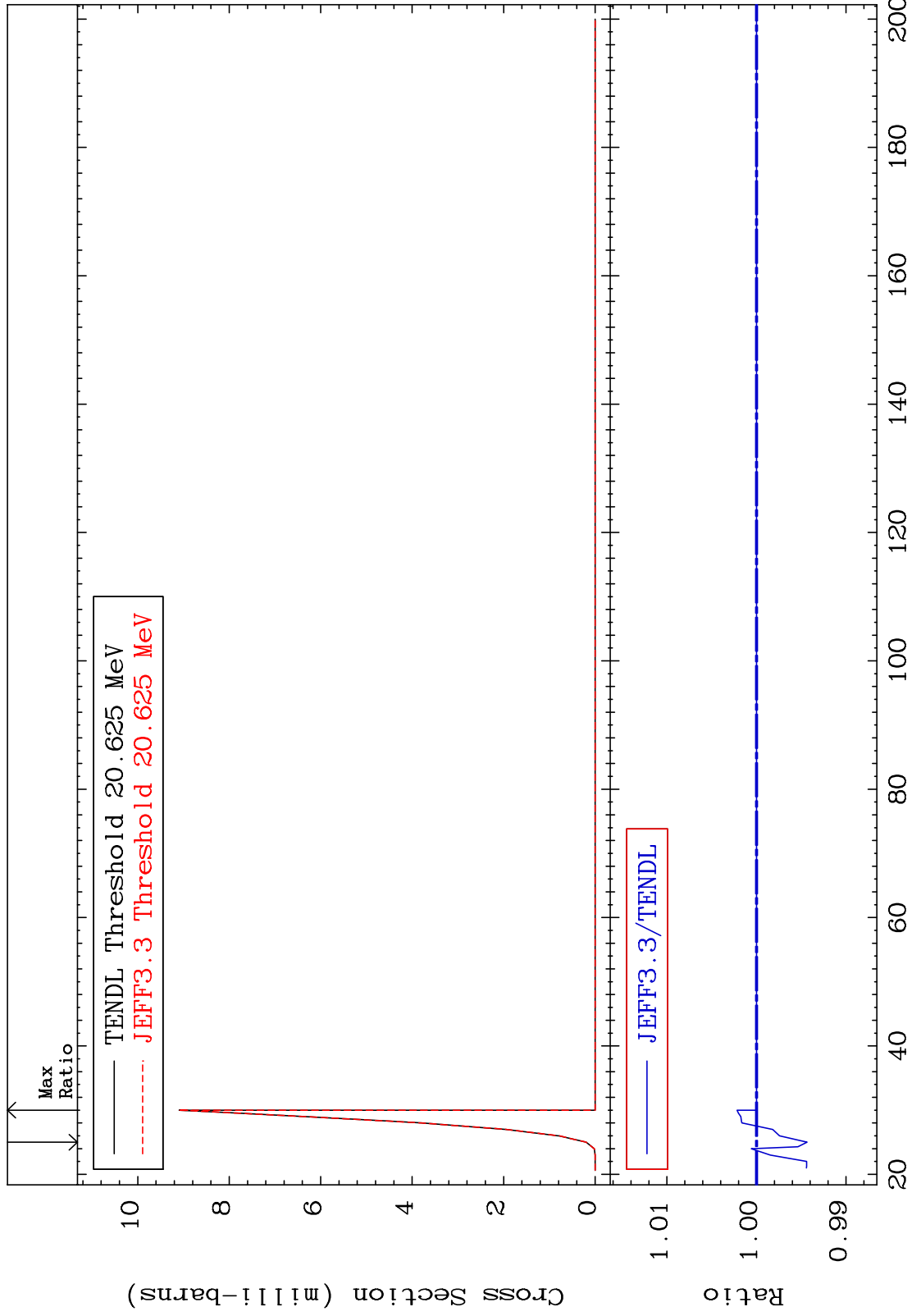


MAT 3643

(n,2n) p:35-Br-82m1

36-Kr-84

Radionuclide Production Cross Section -0.566 To 0.216 %



84

Incident Energy (MeV)

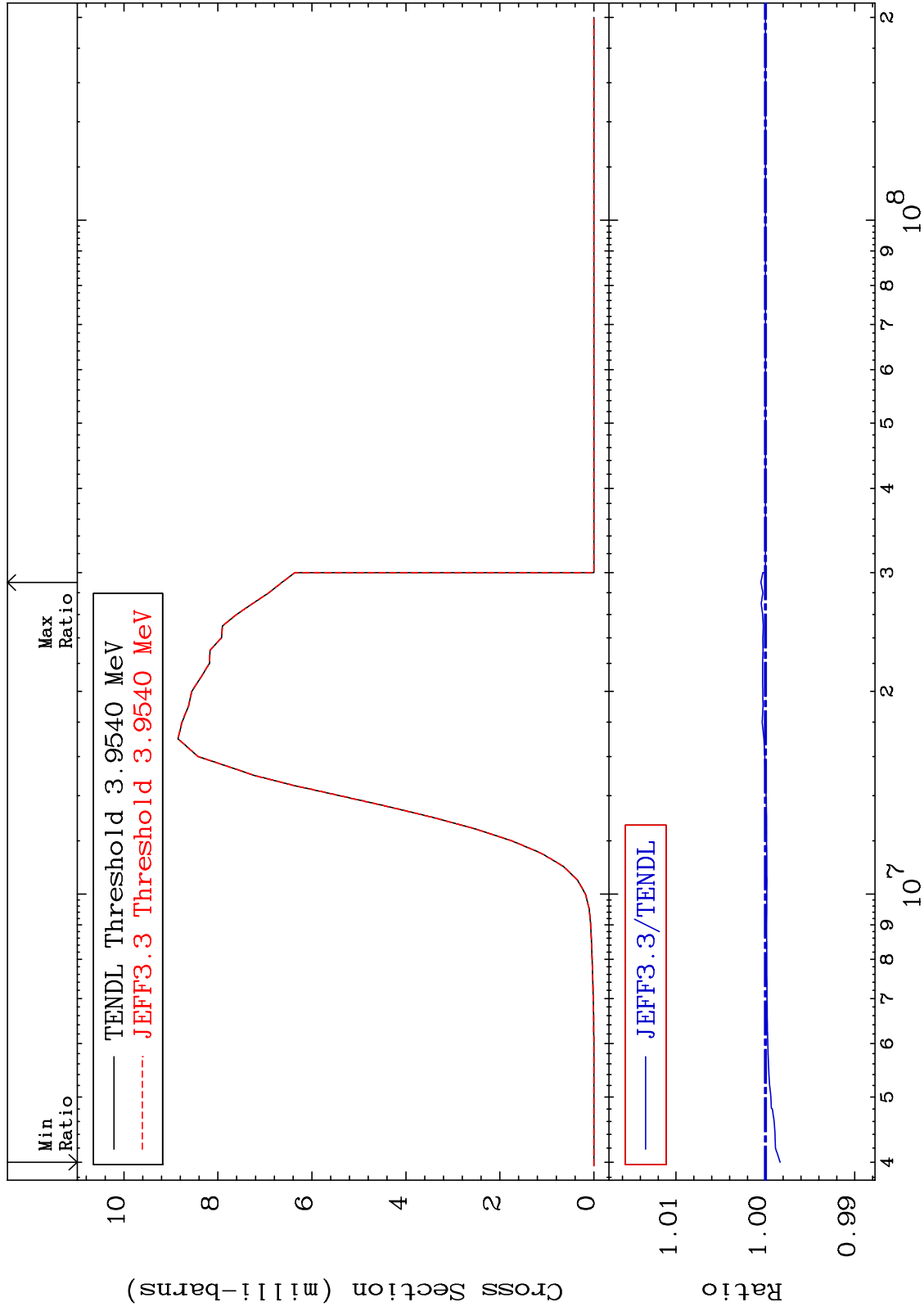
36-Kr-84

MAT 3643

(n,p):35-Br-84g

36-Kr-84

Radionuclide Production Cross Section -0.165 To 0.050 %



85

Incident Energy (eV)

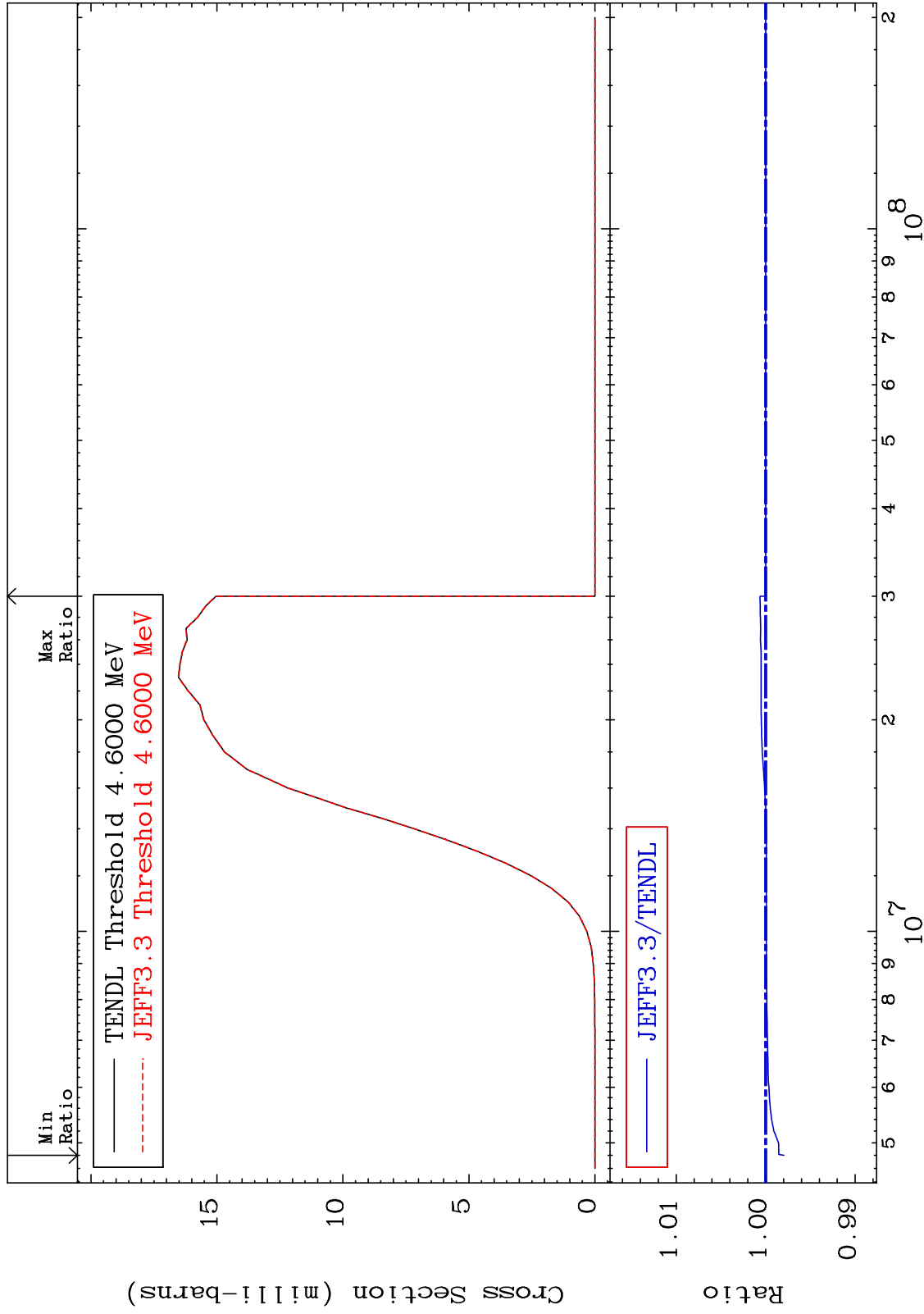
36-Kr-84

MAT 3643

(n,p):35-Br-84m1

36-Kr-84

Radionuclide Production Cross Section -0.202 To 0.064 %

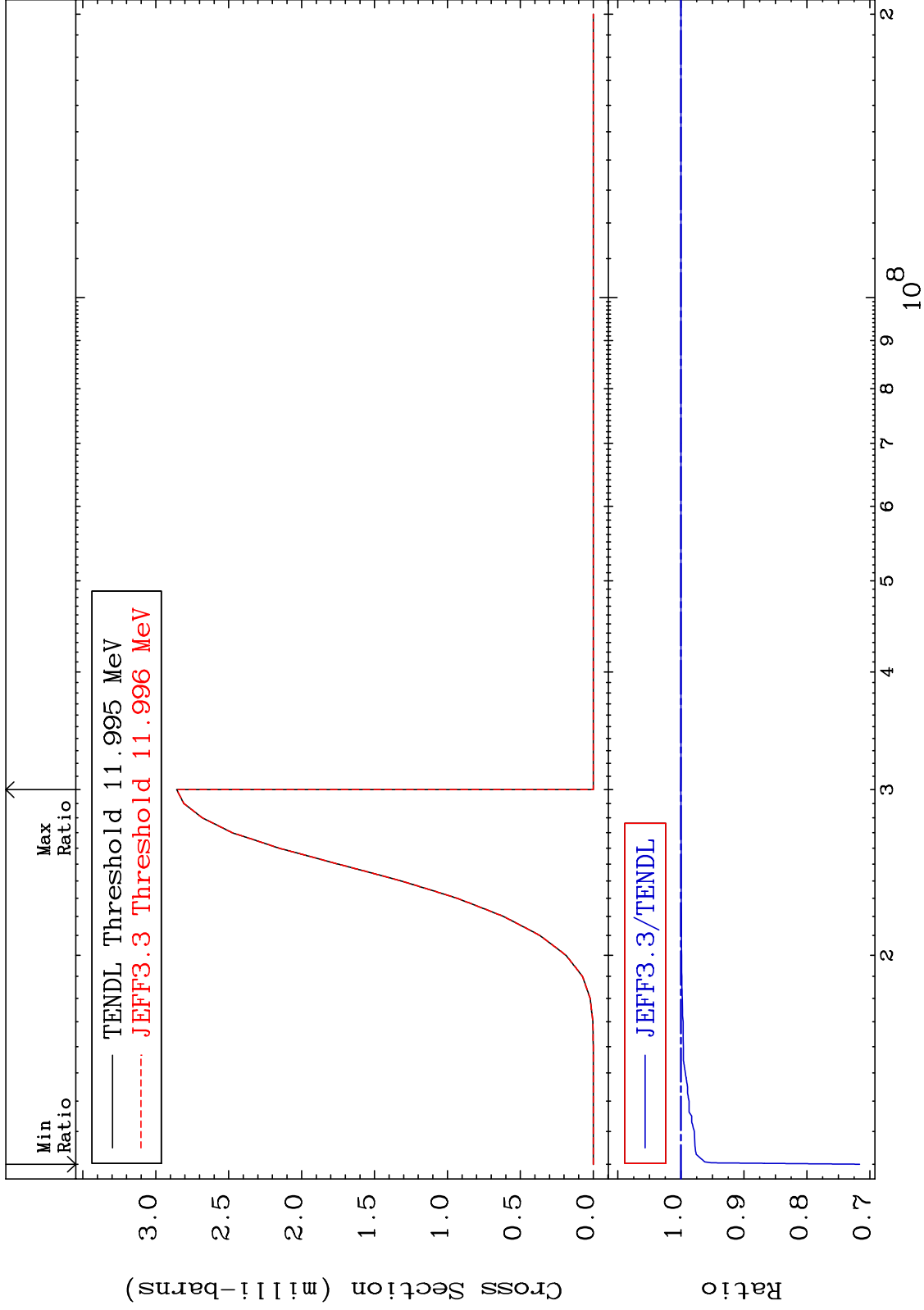


MAT 3643

(n, t) : 35-Br-82g

36-Kr-84

Radionuclide Production Cross Section -28.38 To 0.010 %



87

Incident Energy (eV)

36-Kr-84

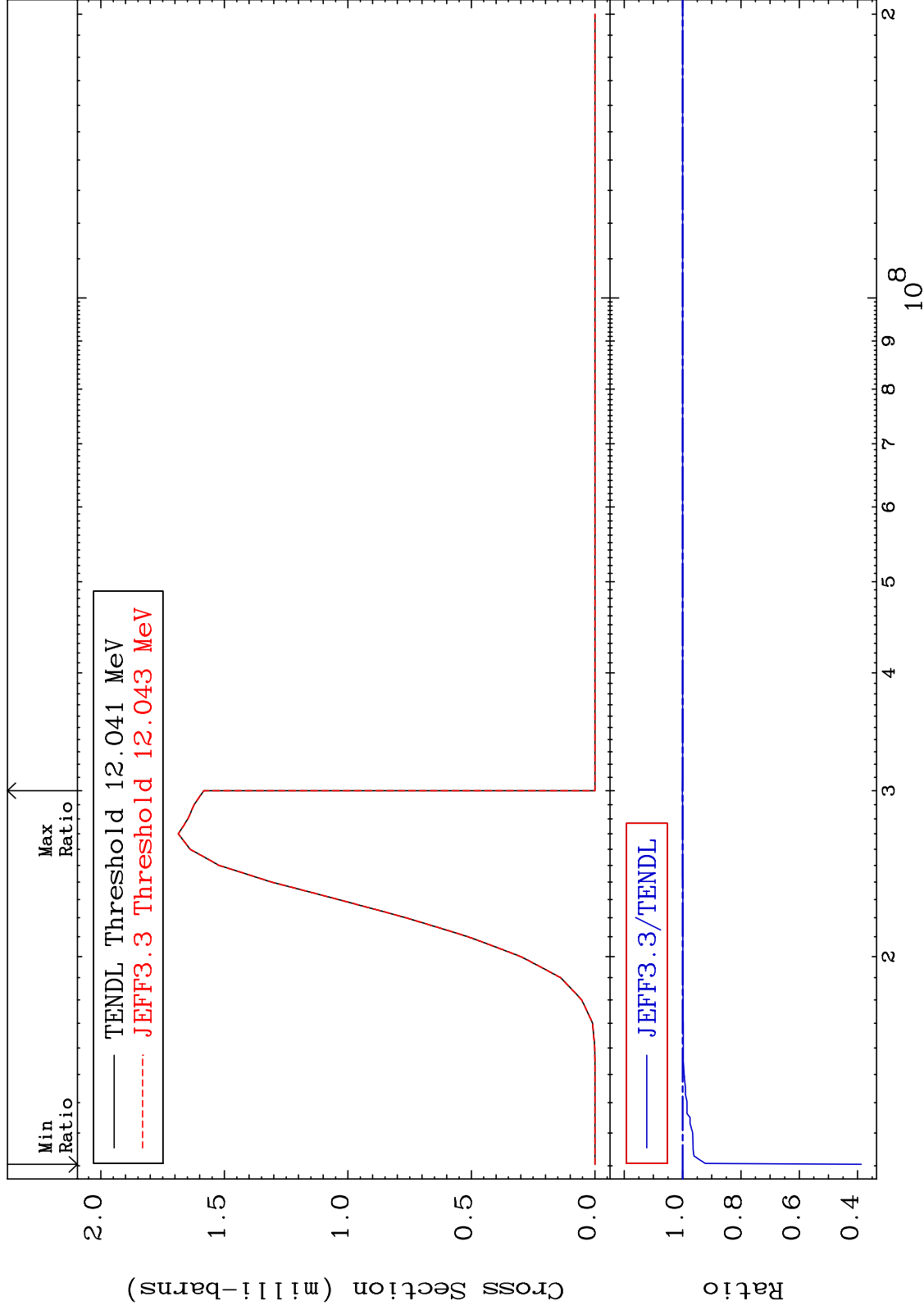


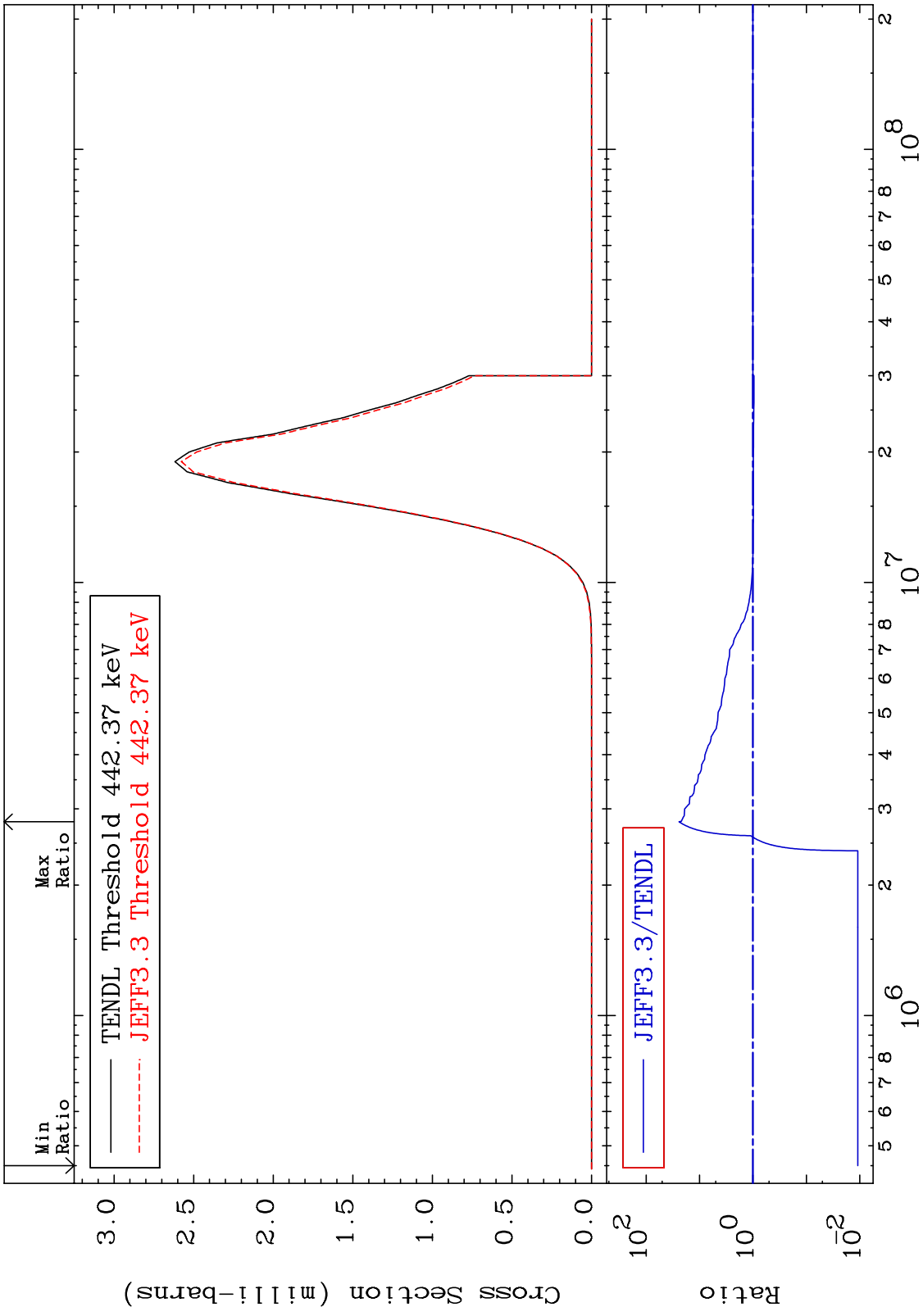
MAT 3643

(n, t) : 35-Br-82m1

36-Kr-84

Radionuclide Production Cross Section -61.26 To 0.036 %



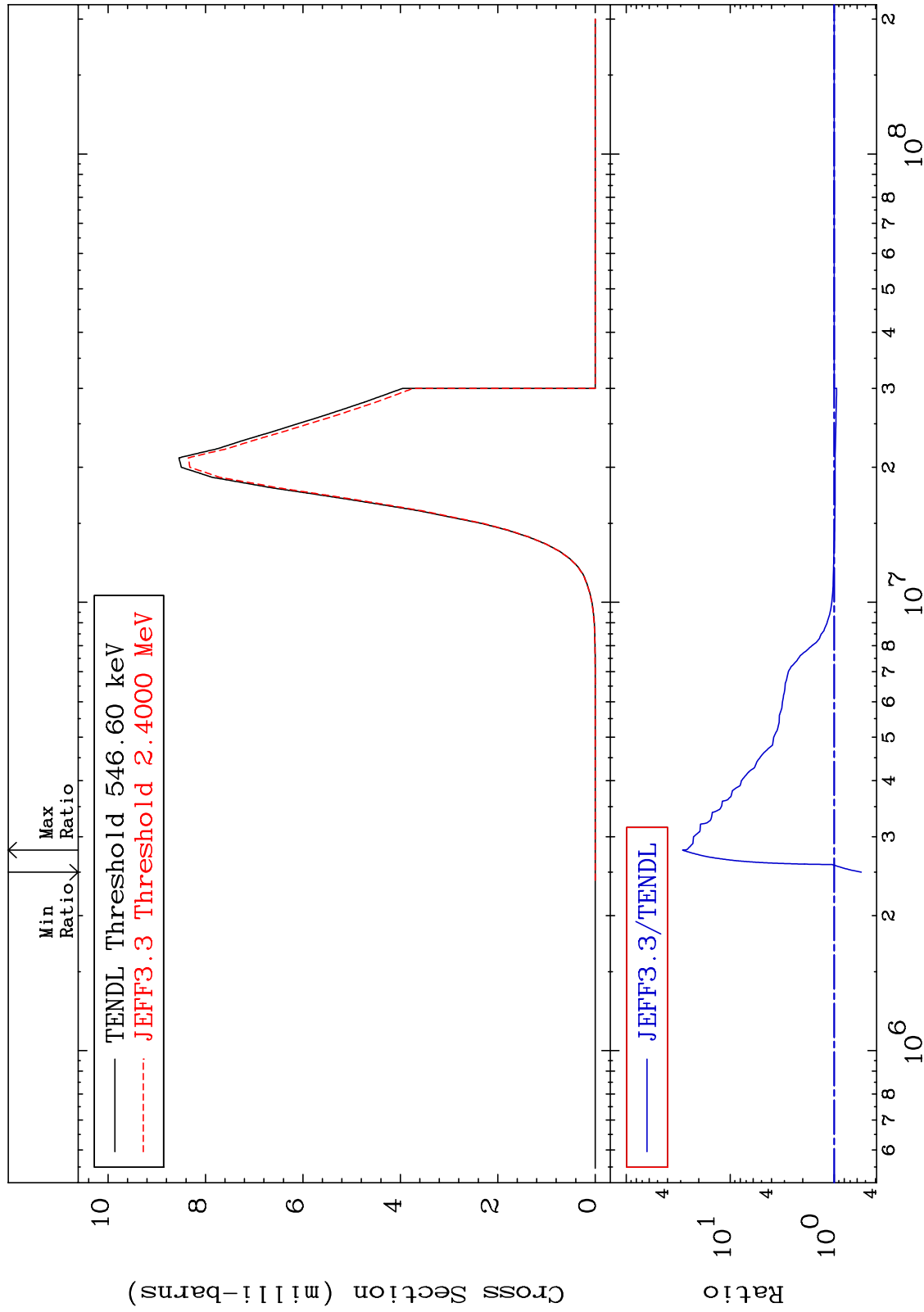


MAT 3643

(n,  $\alpha$ ): 34-Se-81m1

36-Kr-84

Radionuclide Production Cross Section -45.30 To 2762. %



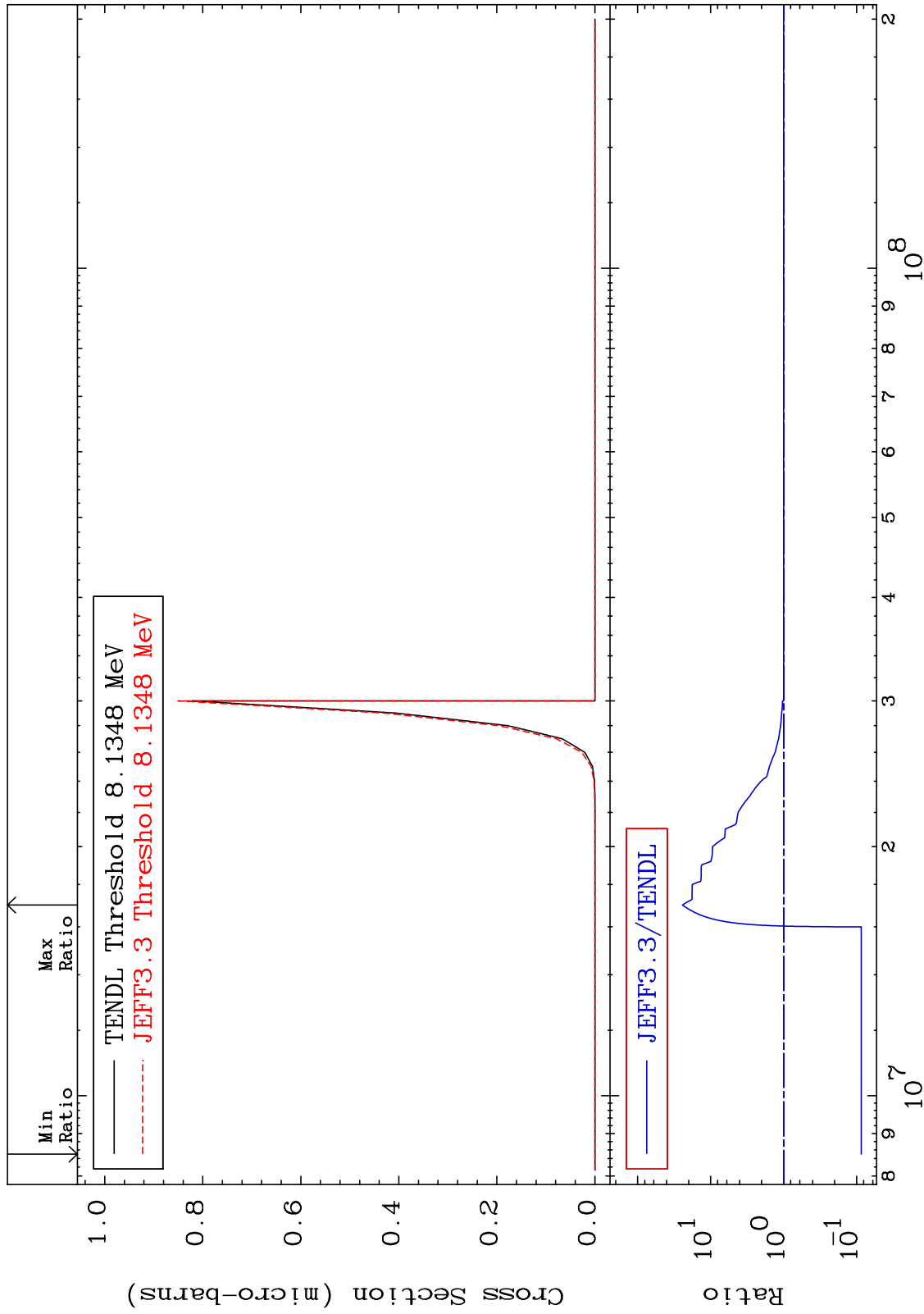
90

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2α) : 32-Ge-77g 36-Kr-84  
Radionuclide Production Cross Section -91.39 To 2332. %



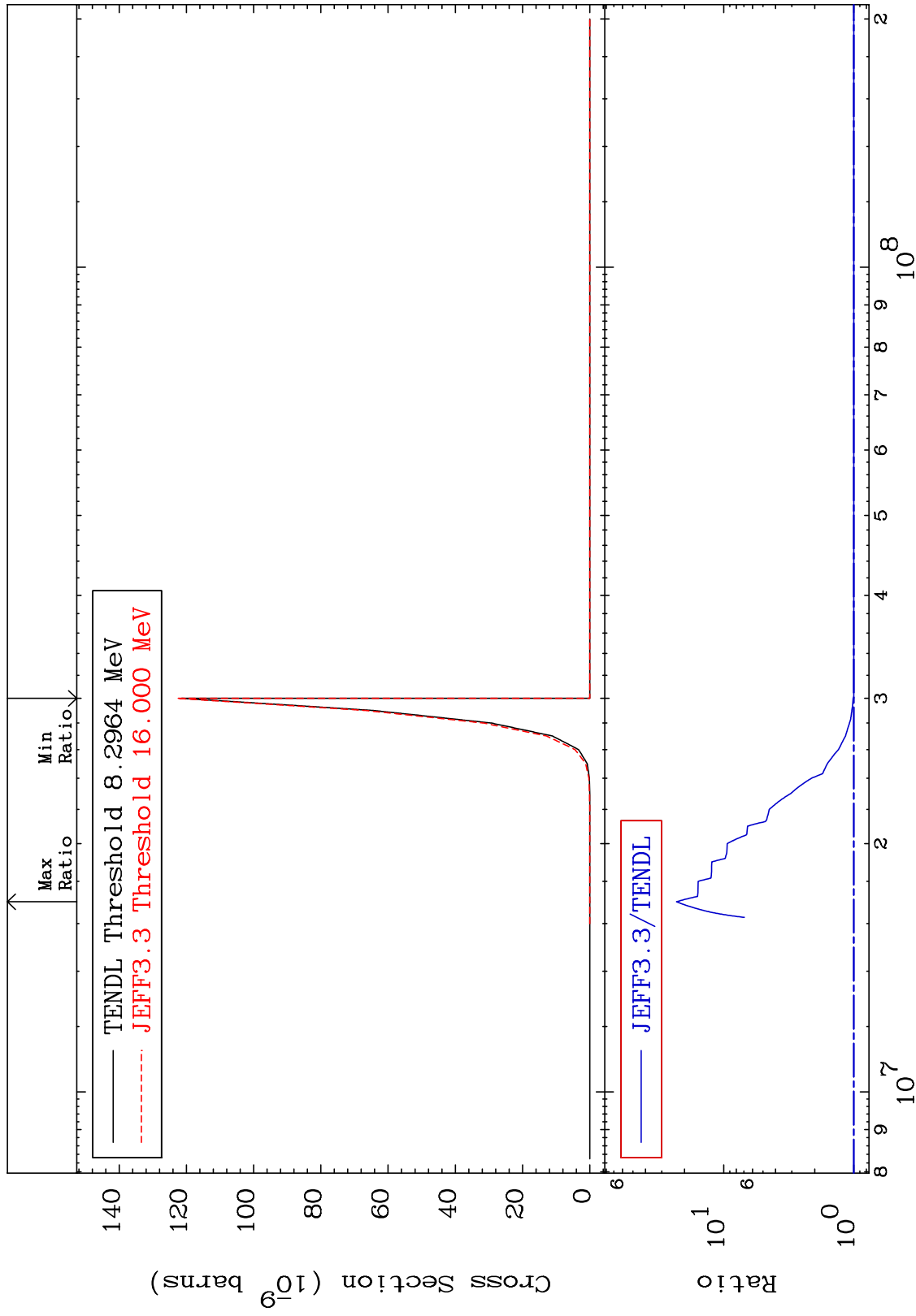
91

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2α):32-Ge-77m1 36-Kr-84  
Radionuclide Production Cross Section 0.000 To 2207. %



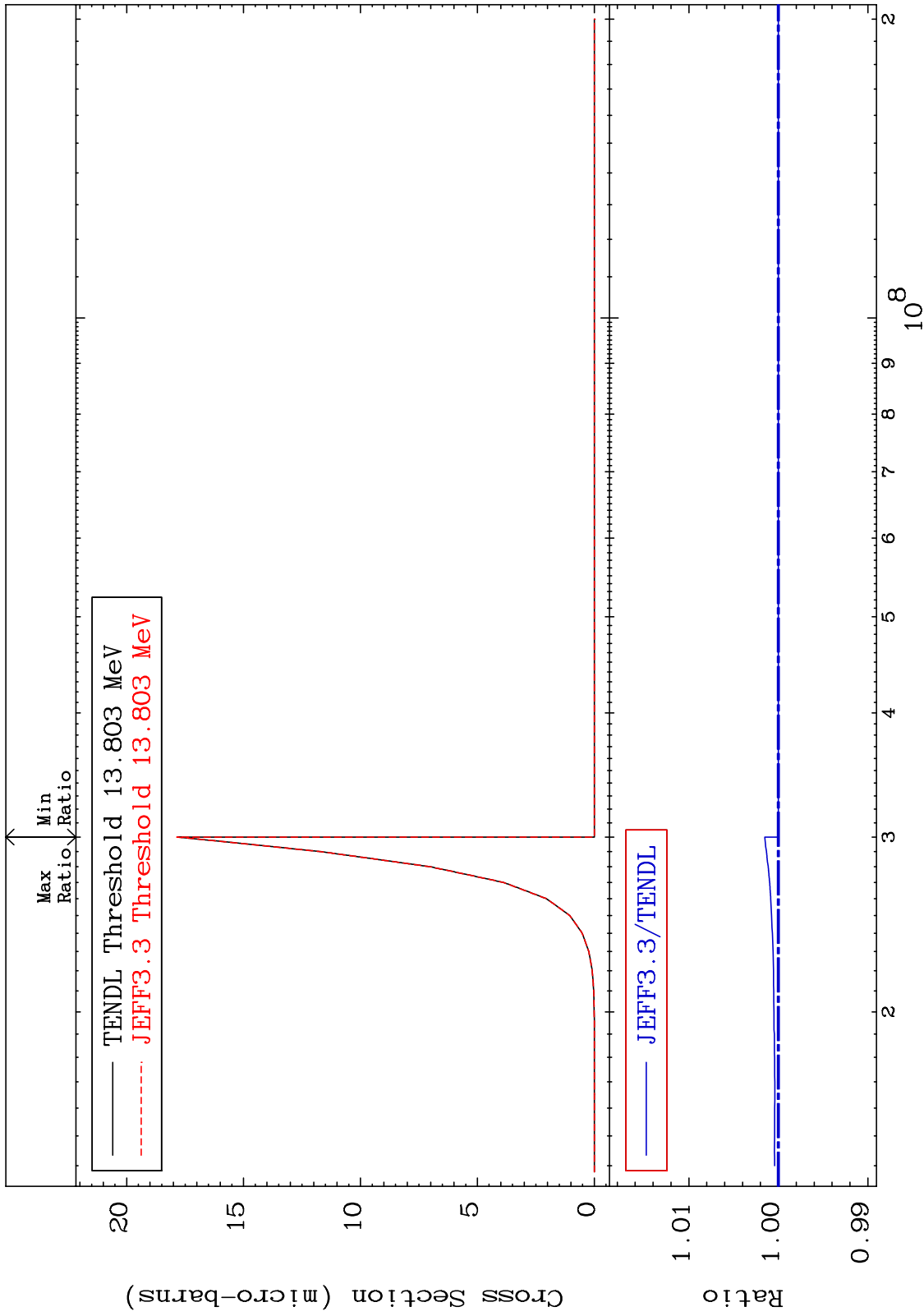
92

Incident Energy (eV)

36-Kr-84

MAT 3643

(n,2p) : 34-Se-83g 36-Kr-84  
Radionuclide Production Cross Section 0.000 To 0.151 %

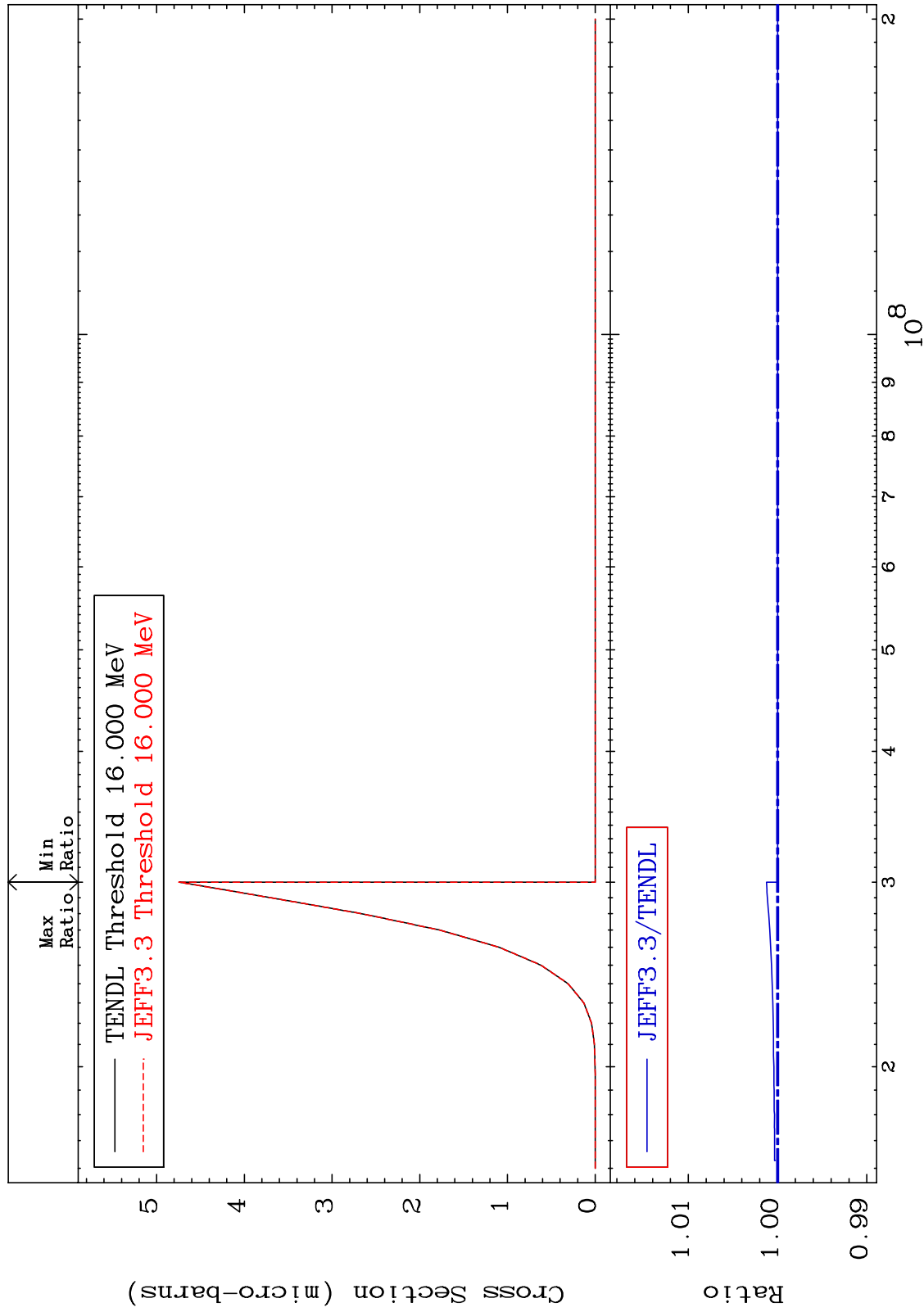


MAT 3643

(n,2p):34-Se-83m1

36-Kr-84

Radionuclide Production Cross Section 0.000 To 0.125 %

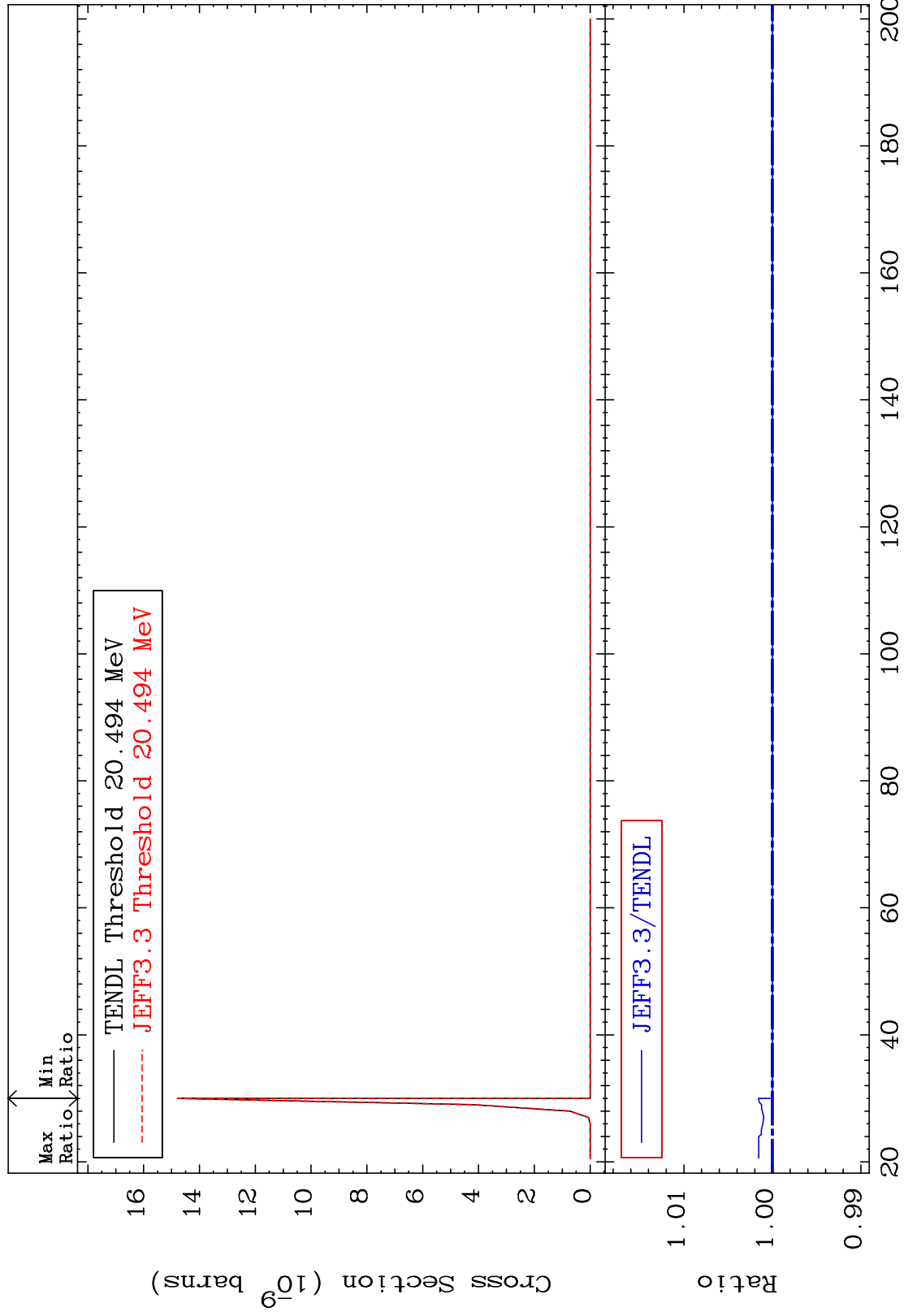


MAT 3643

(n,p) t:34-Se-81g

36-Kr-84

Radionuclide Production Cross Section 0.000 To 0.157 %



95

36-Kr-84

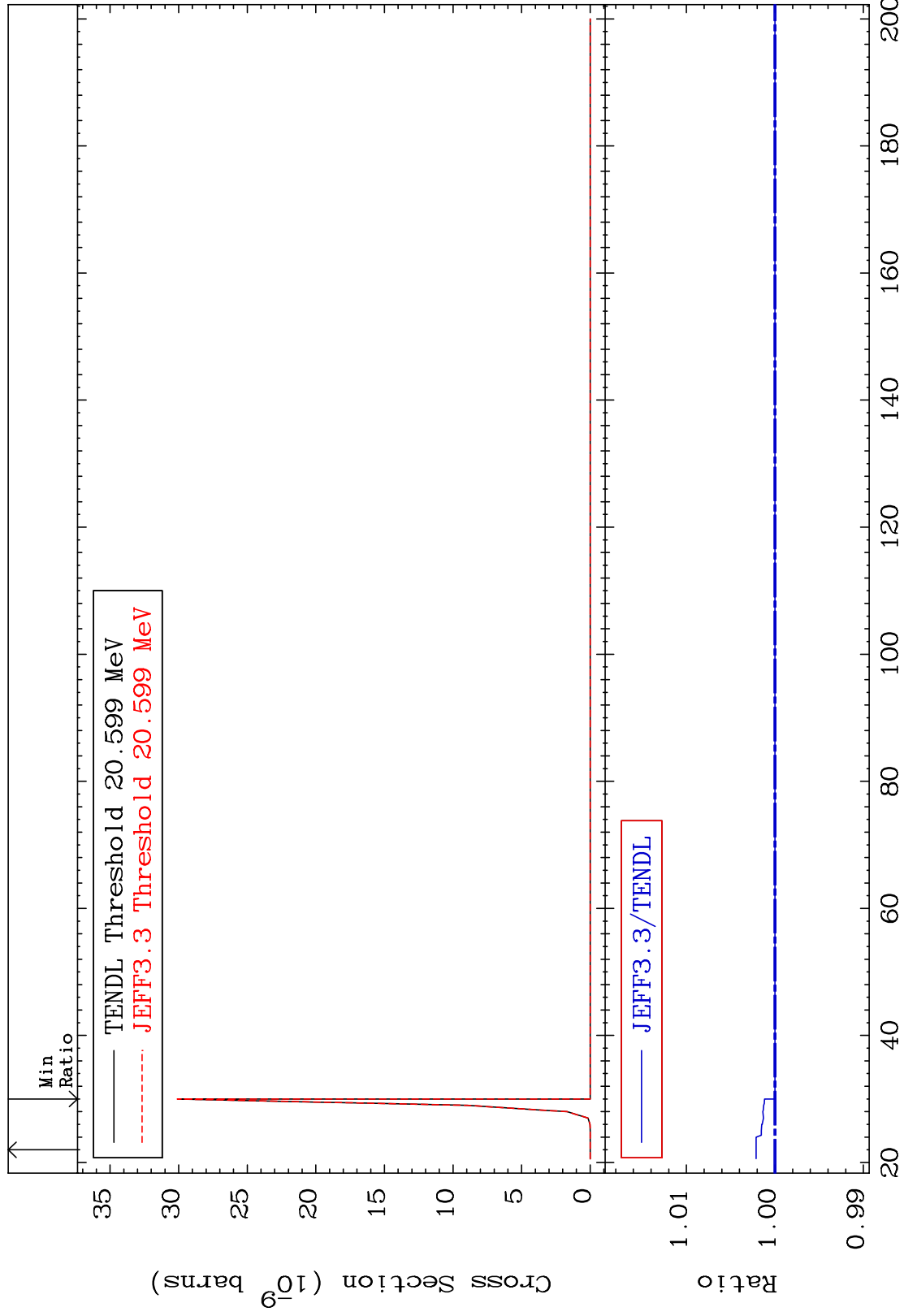


MAT 3643

(n,p) t:34-Se-81m1

36-Kr-84

Radionuclide Production Cross Section 0.000 To 0.214 %



96

Incident Energy (MeV)

36-Kr-84