

Program Complot  
(Version 2018-1)

by

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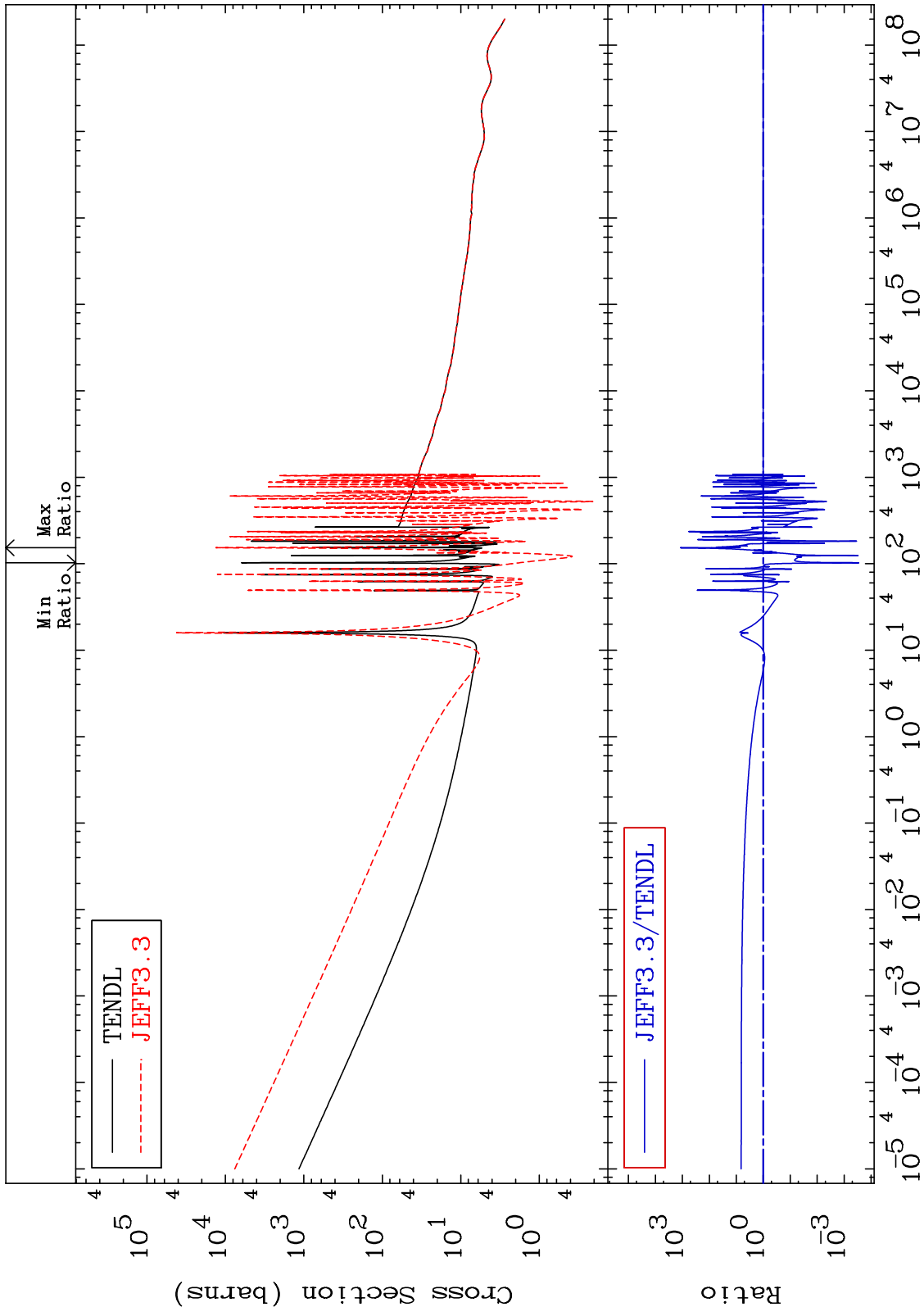
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7425

Total  
Cross Section

74-W -180  
-99.97 To 9999. %



1

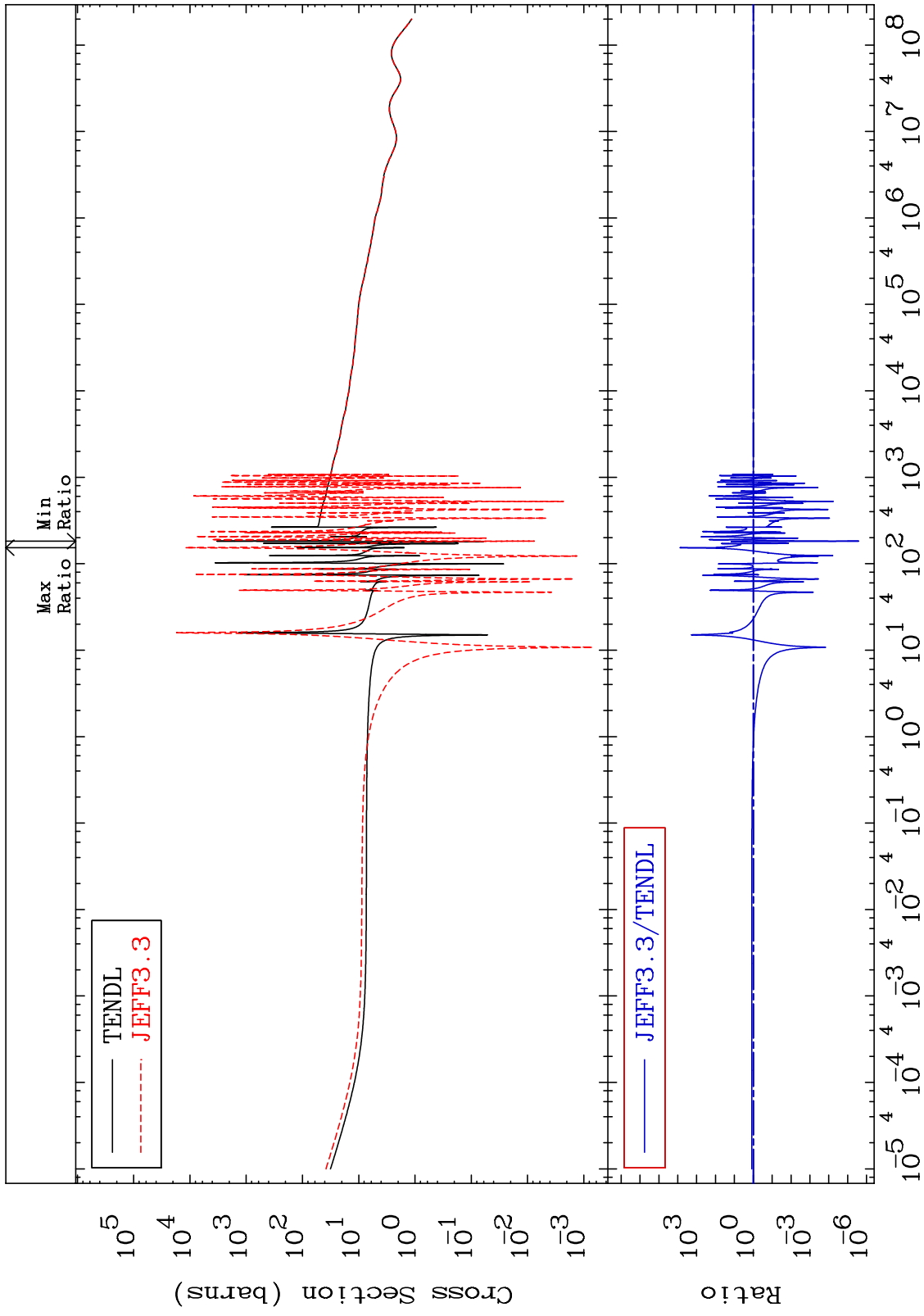
Incident Energy (eV)

74-W -180

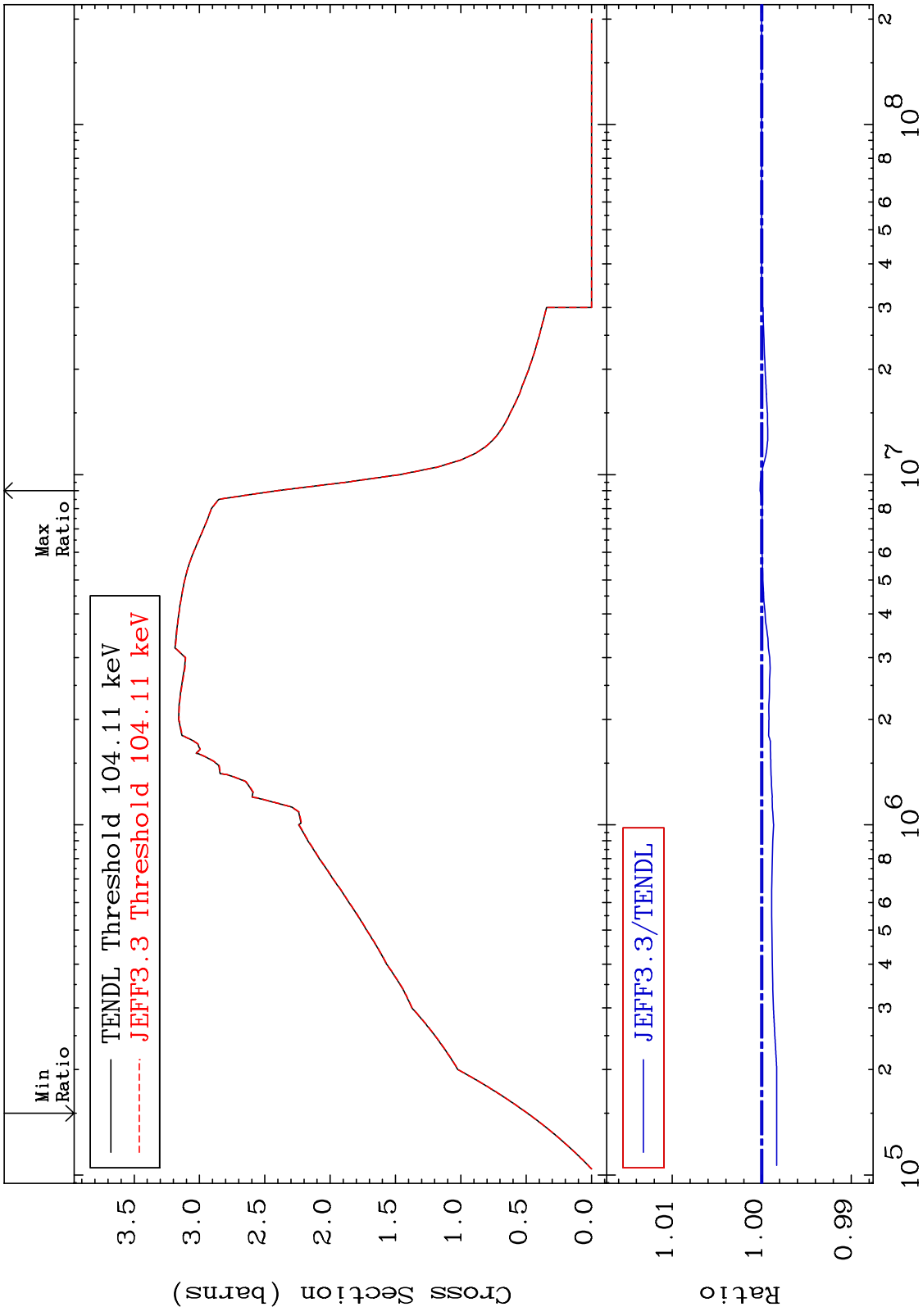
MAT 7425

Elastic  
Cross Section

74-W -180  
-100.0 To 9999. %

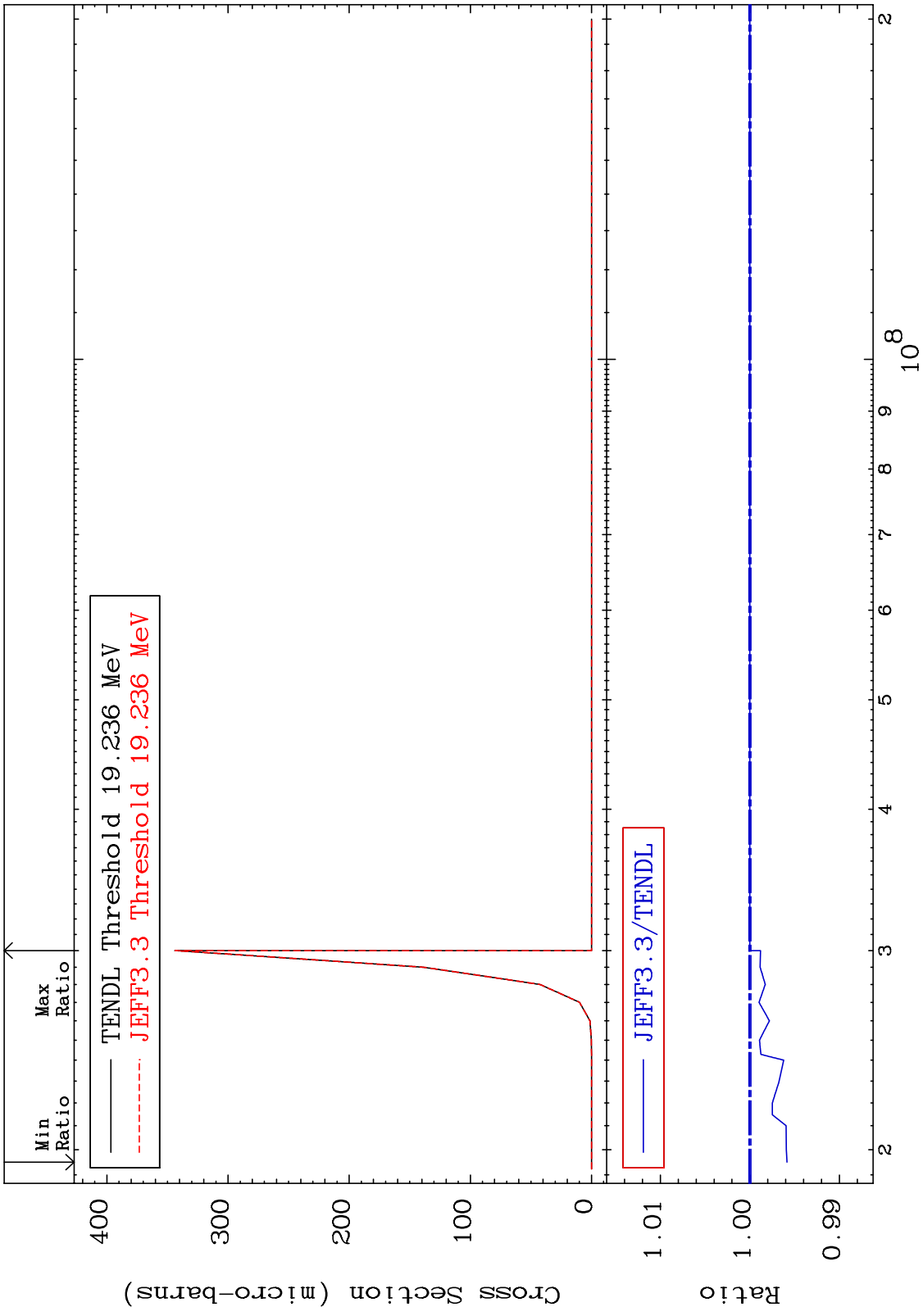


MAT 7425 Inelastic Cross Section 74-W -180 -0.168 To 0.018 %

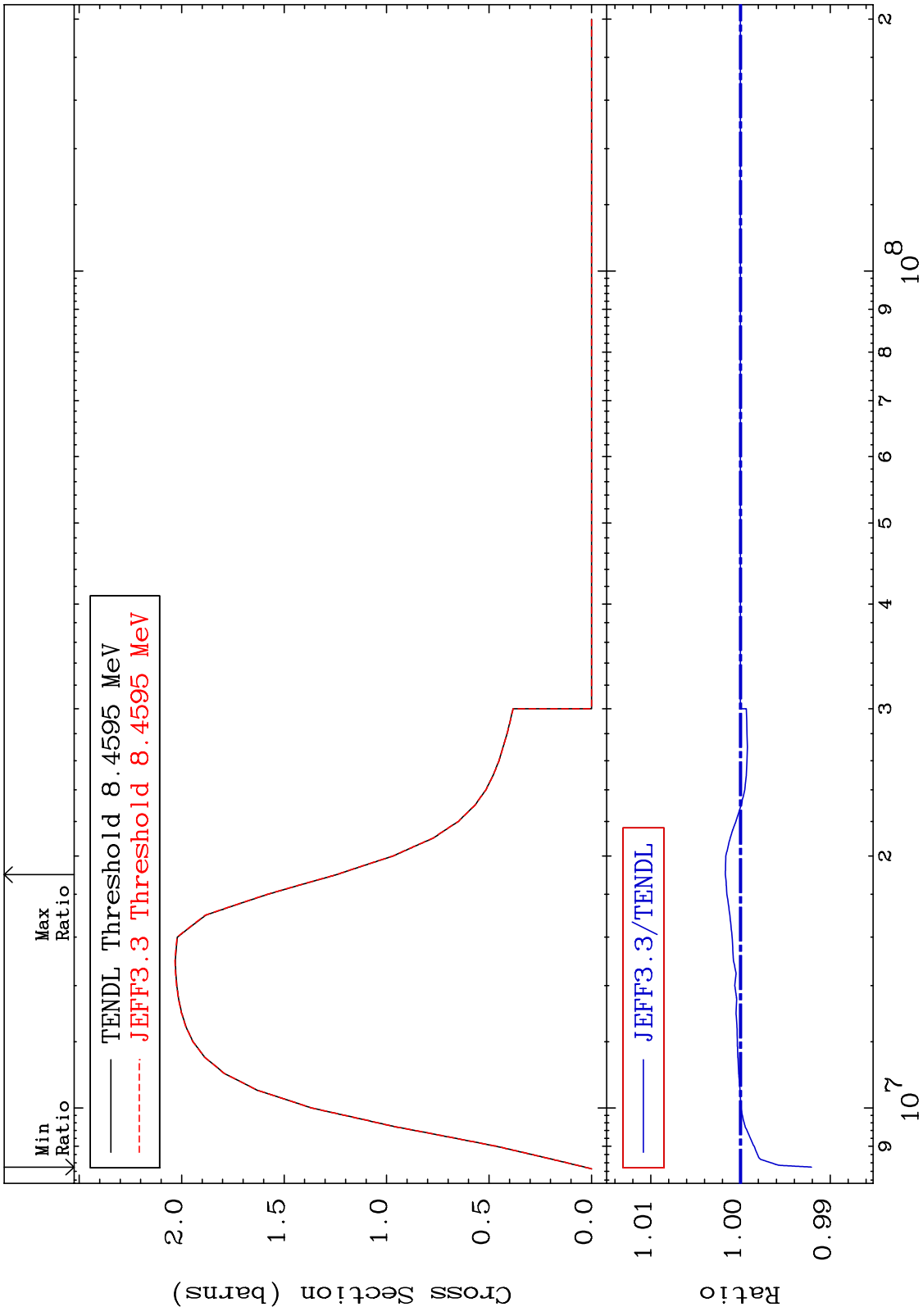


3 Incident Energy (eV) 74-W -180

MAT 7425 (n,2n) d 74-W -180  
 Cross Section -0.414 To 0.000 %

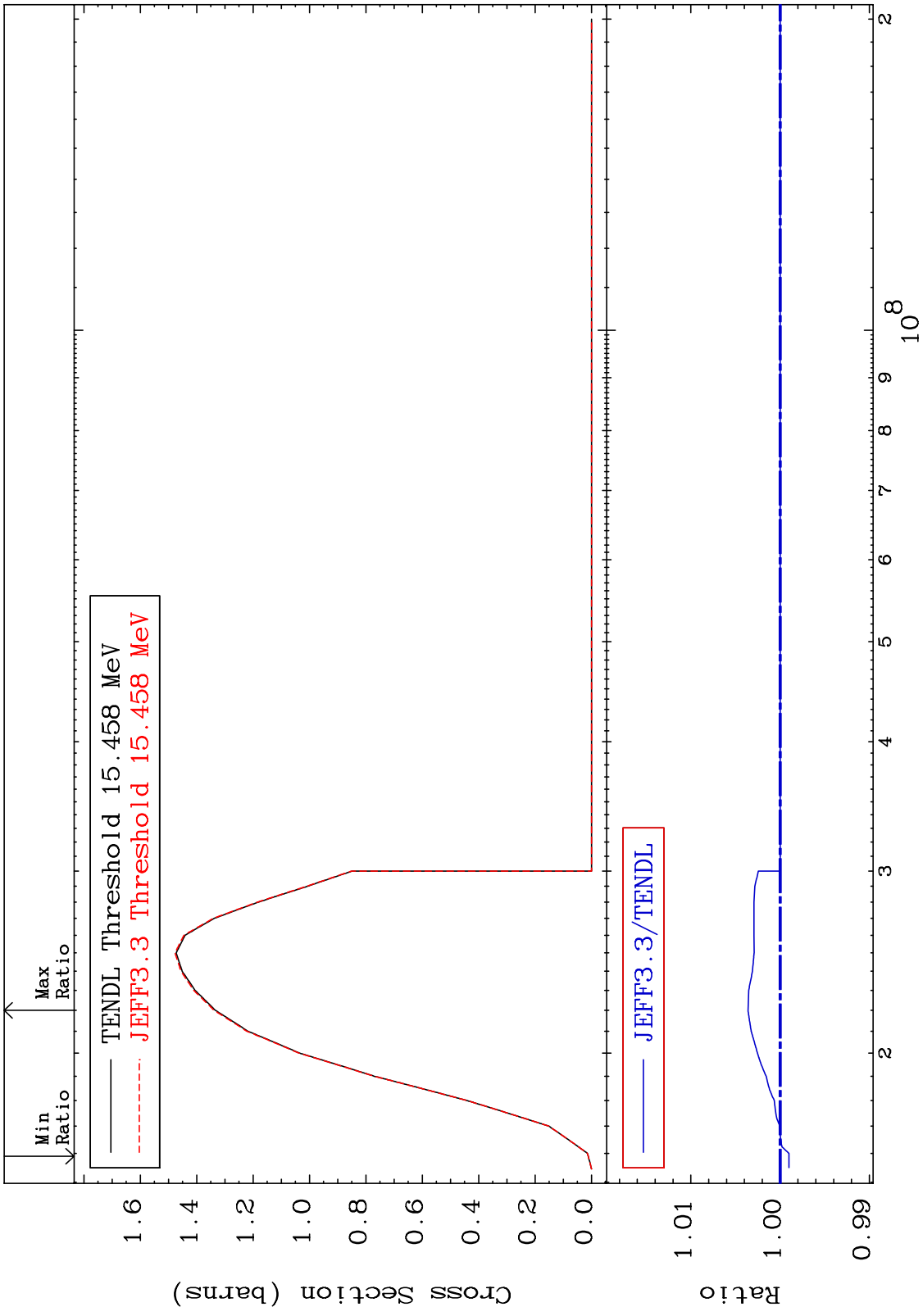


MAT 7425 (n,2n) Cross Section 74-W -180 -0.792 To 0.169 %



5 Incident Energy (eV) 74-W -180

MAT 7425 (n,3n) Cross Section 74-W -180  
-0.098 To 0.360 %

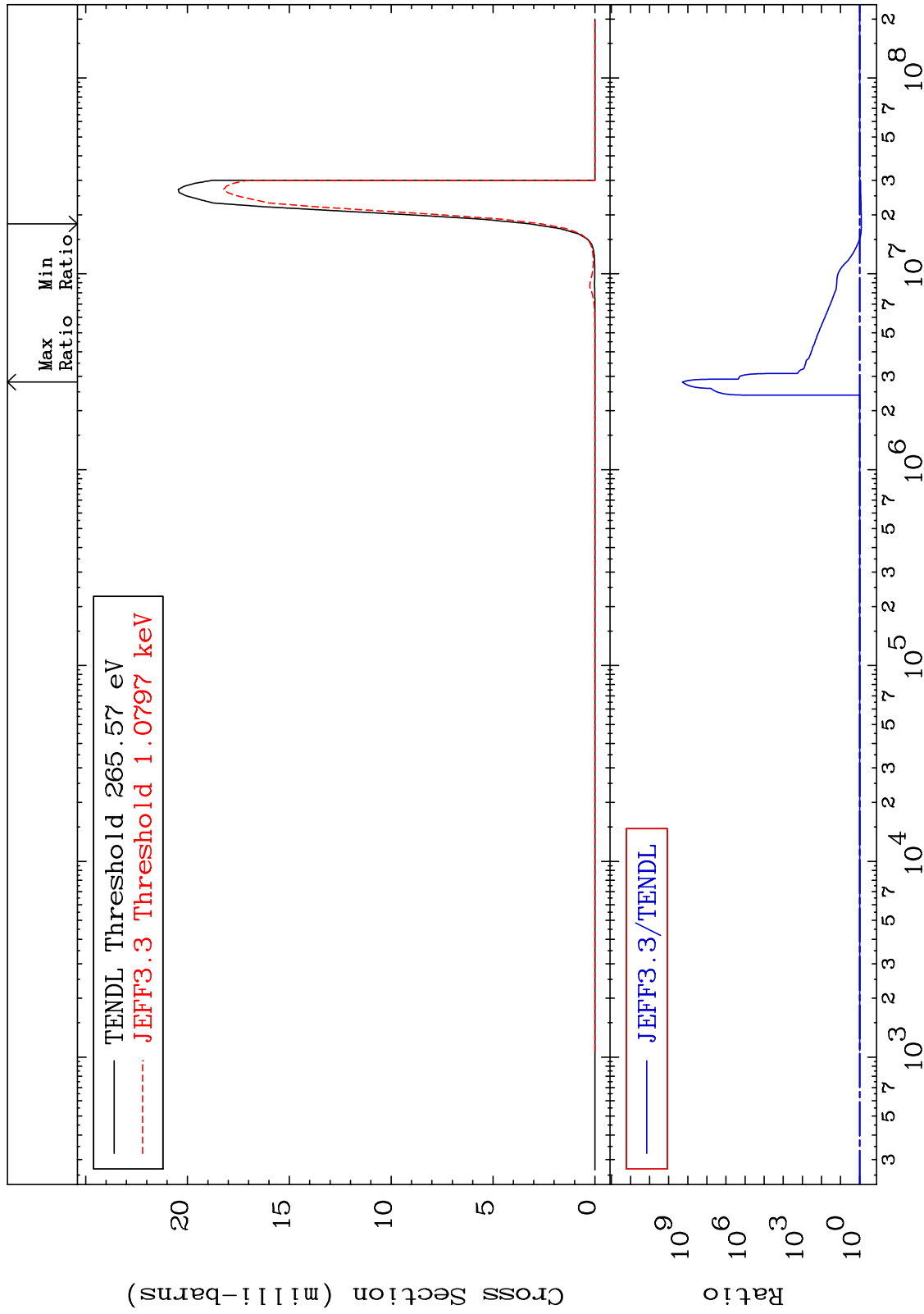


MAT 7425

(n, n')  $\alpha$

74-W -180

Cross Section -18.01 To 9999. %

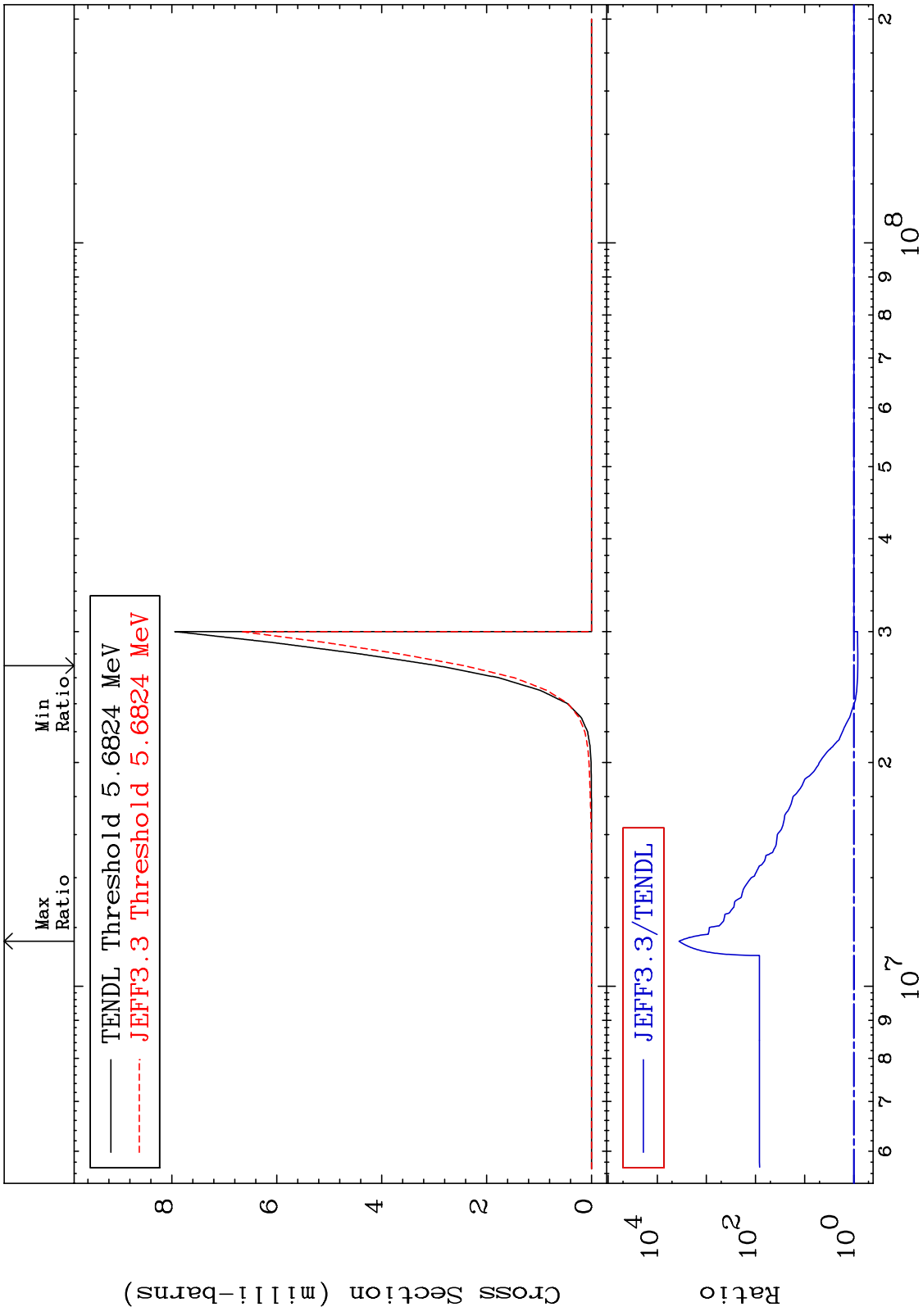


7

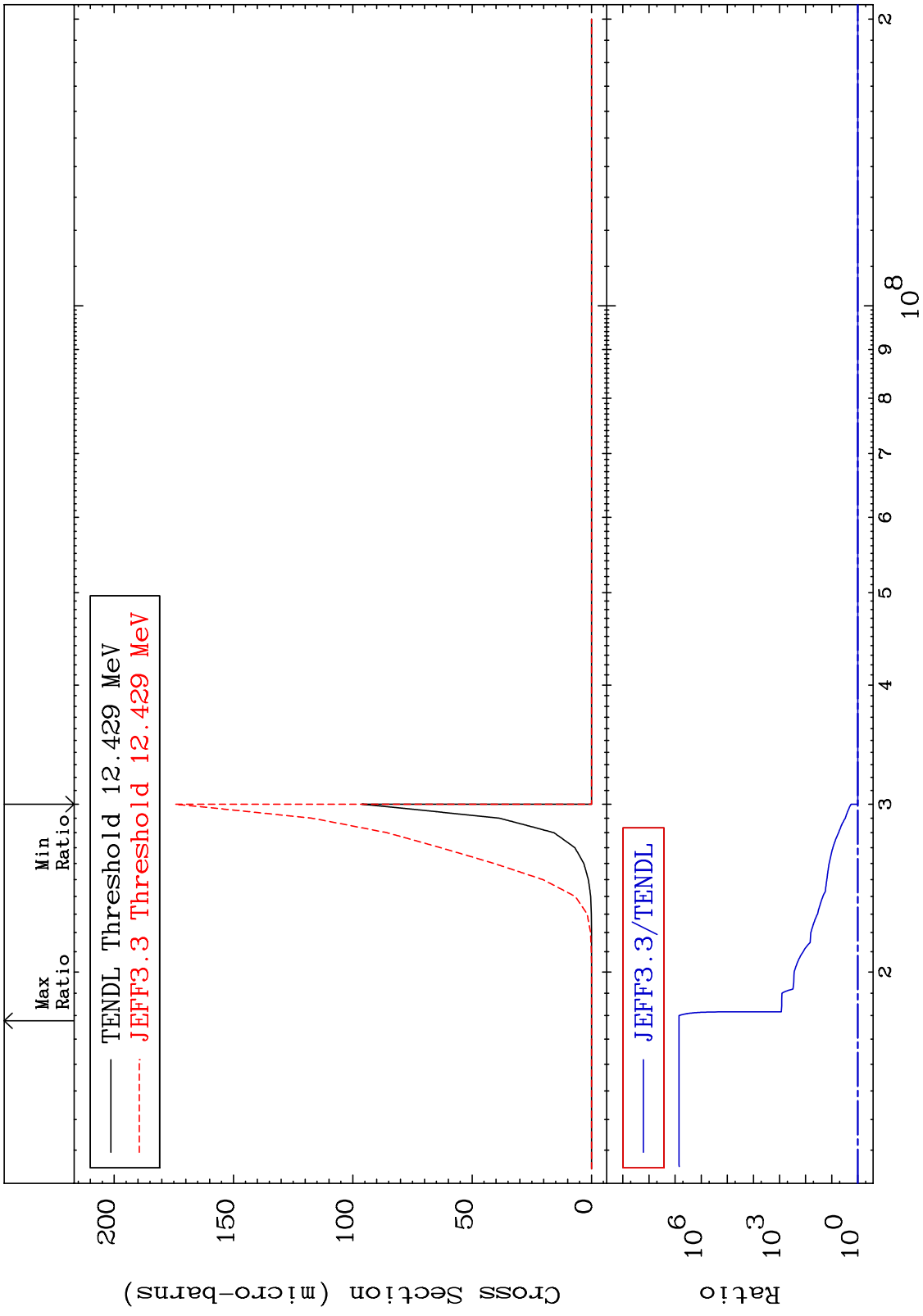
Incident Energy (eV)

74-W -180

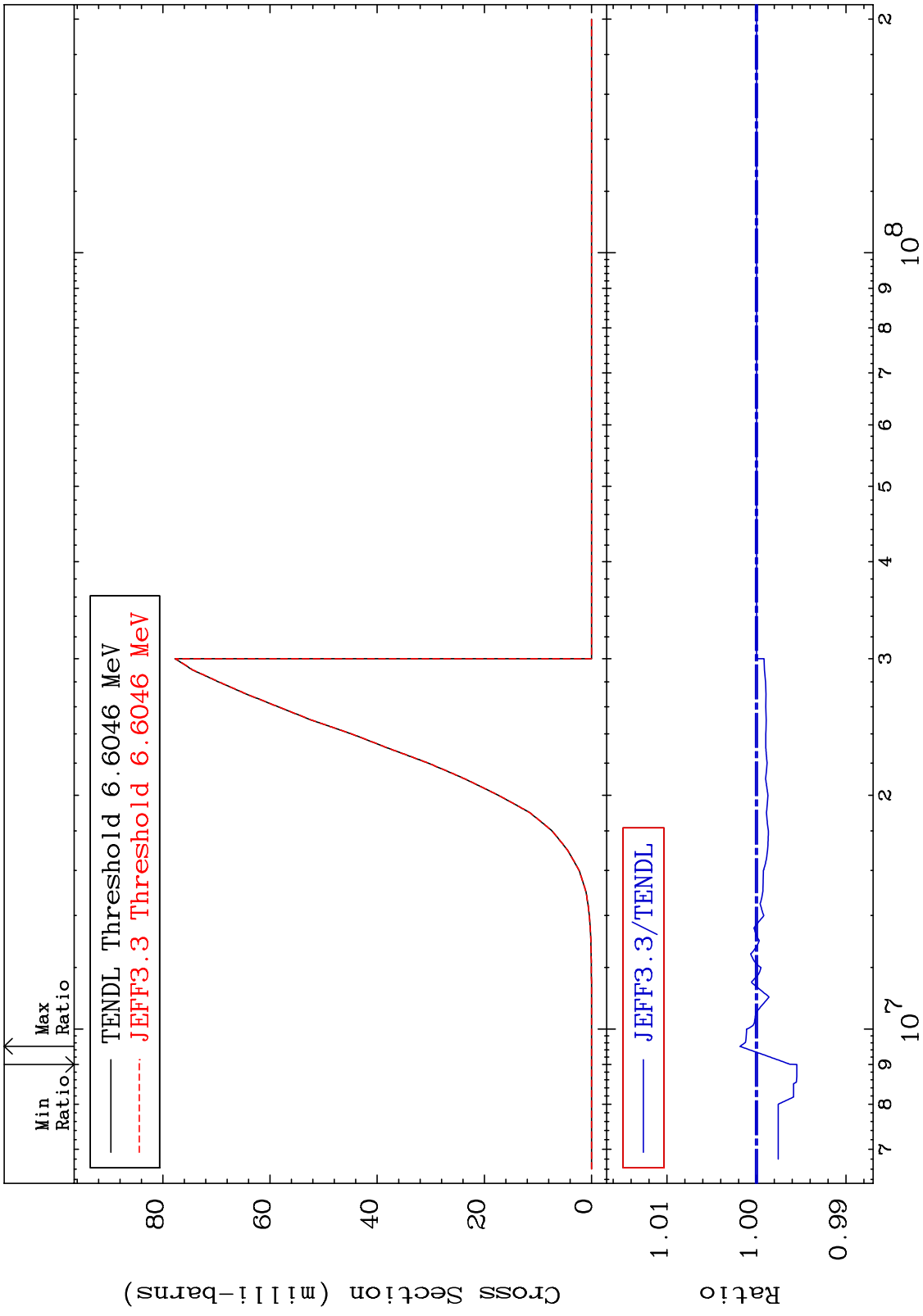
MAT 7425 (n,2n)  $\alpha$  74-W -180  
-17.30 To 9999. %



MAT 7425 (n,3n)  $\alpha$  74-W -180  
 Cross Section 0.000 To 9999. %

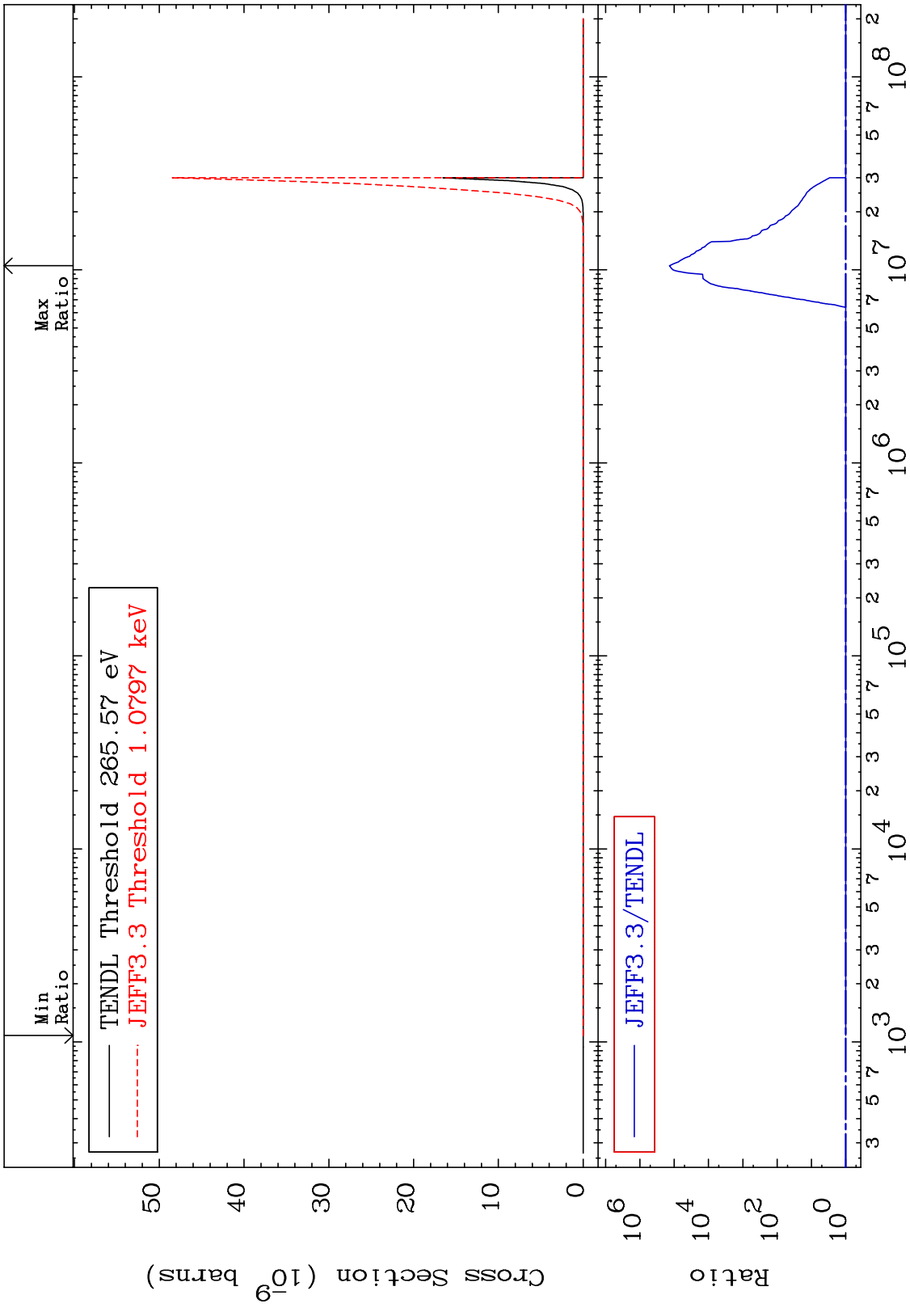


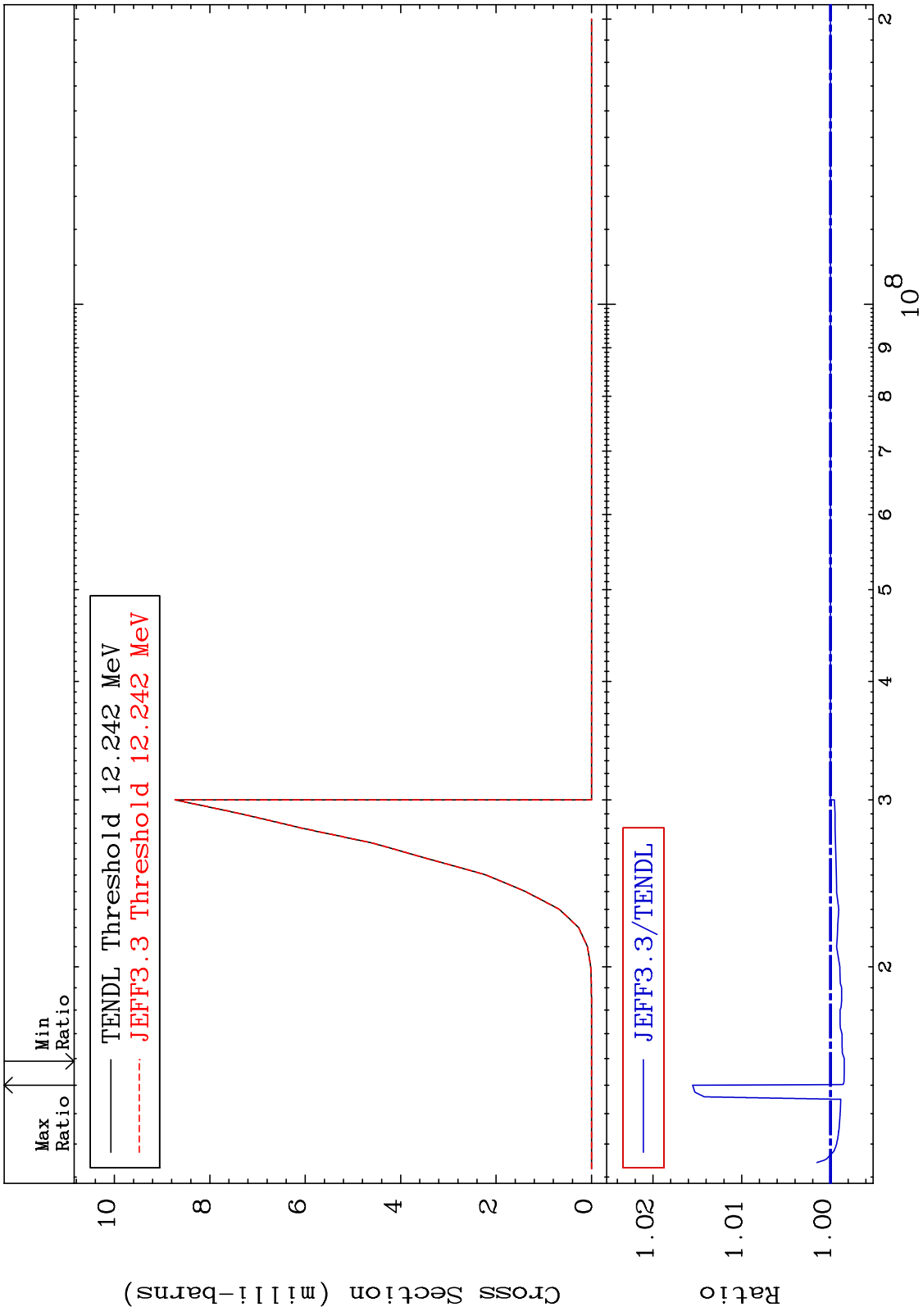
MAT 7425 (n, n') p 74-W -180  
 Cross Section -0.451 To 0.184 %



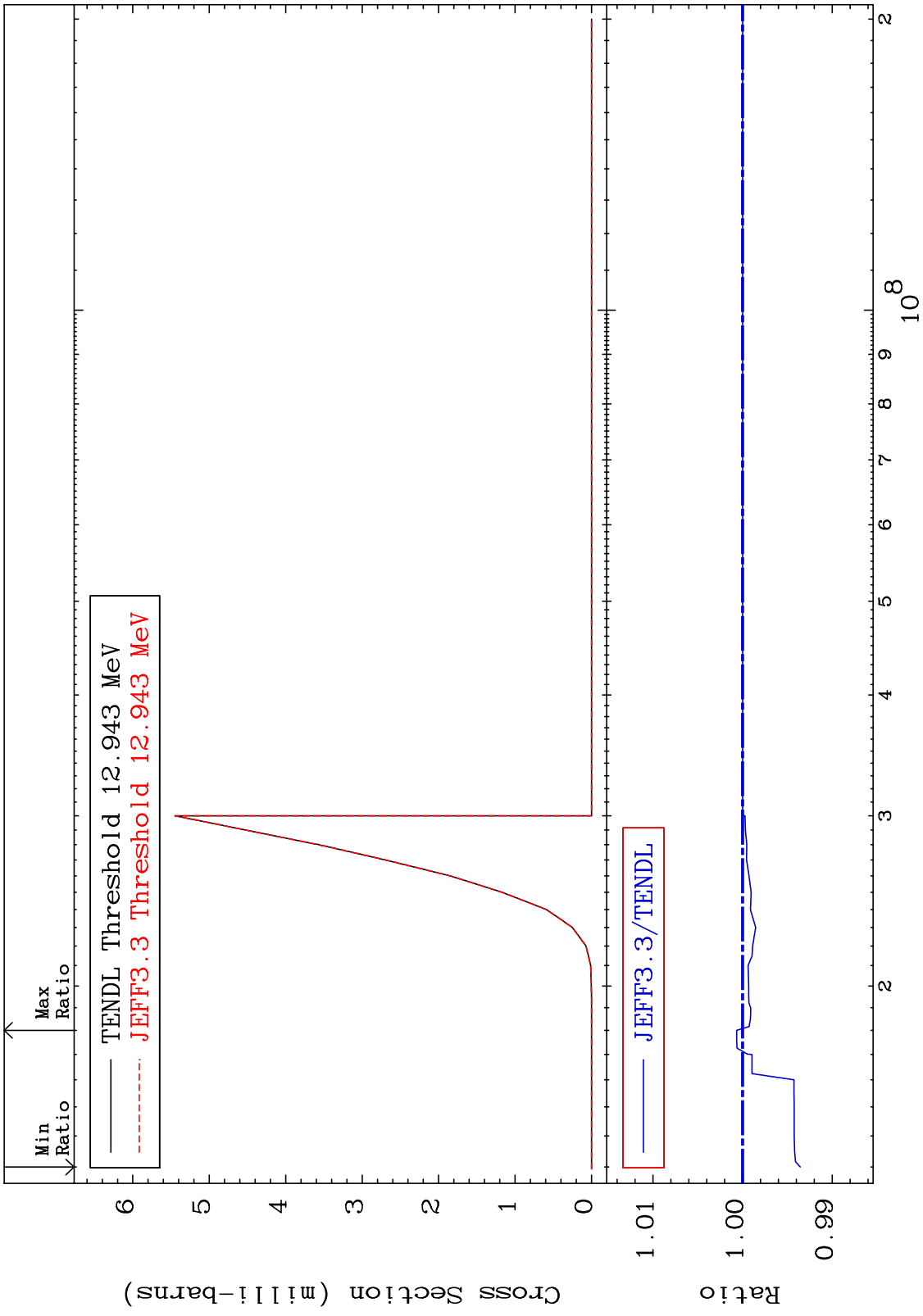
10 7 8 9 10<sup>7</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 2 74-W -180

MAT 7425 (n,n') 2α Cross Section 74-W -180 To 9999. %

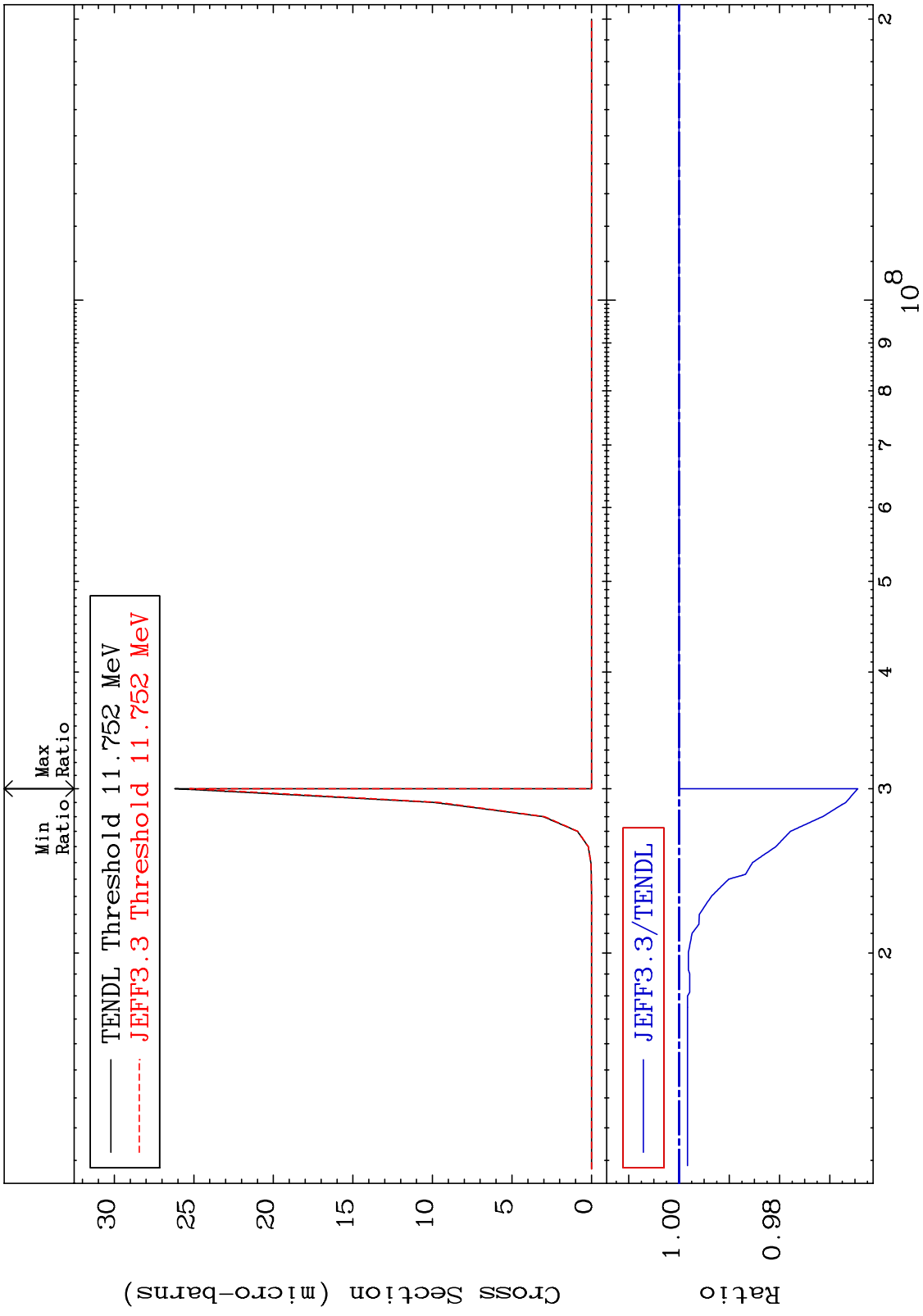




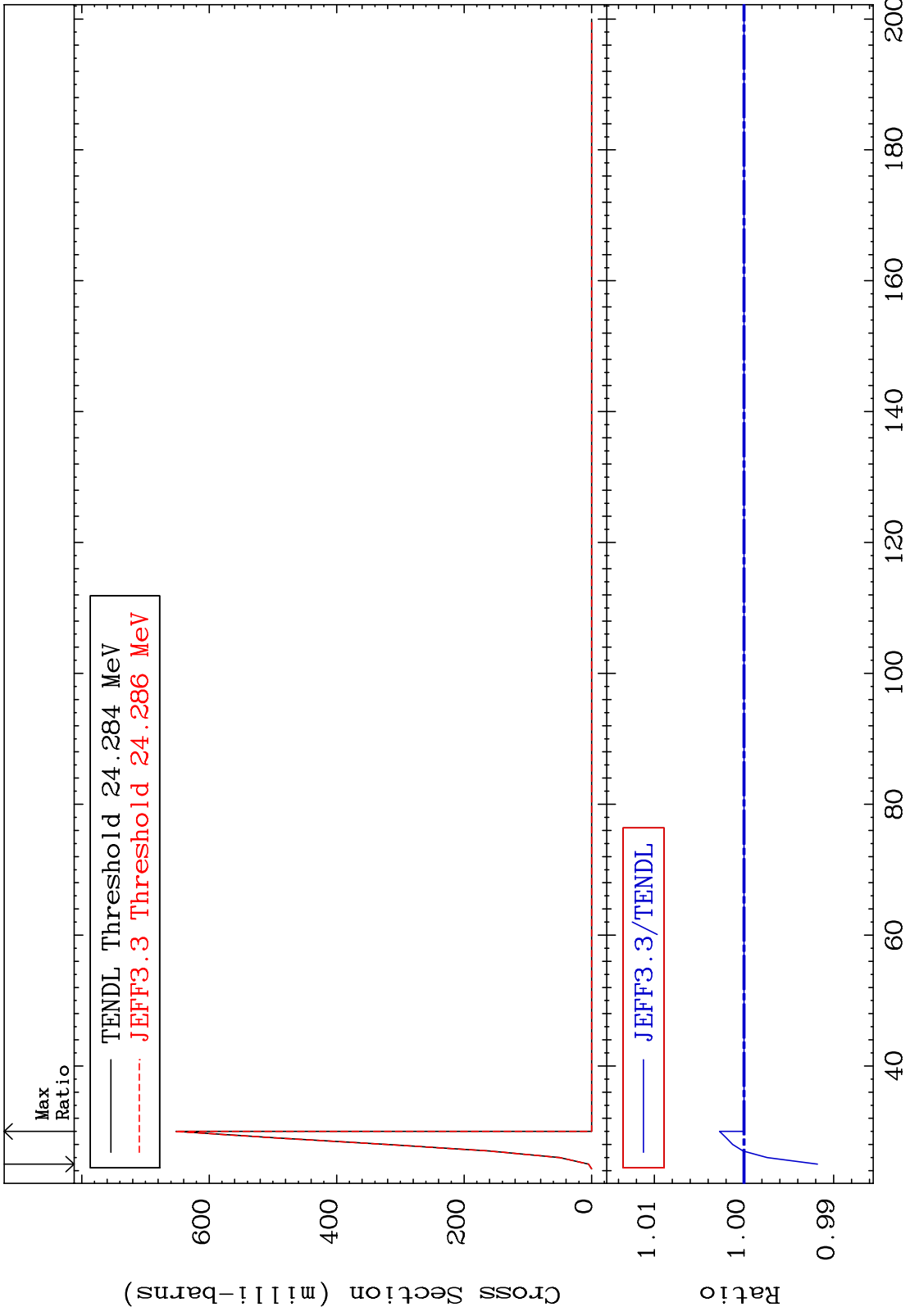
MAT 7425 (n,n') t 74-W -180  
 Cross Section -0.643 To 0.066 %



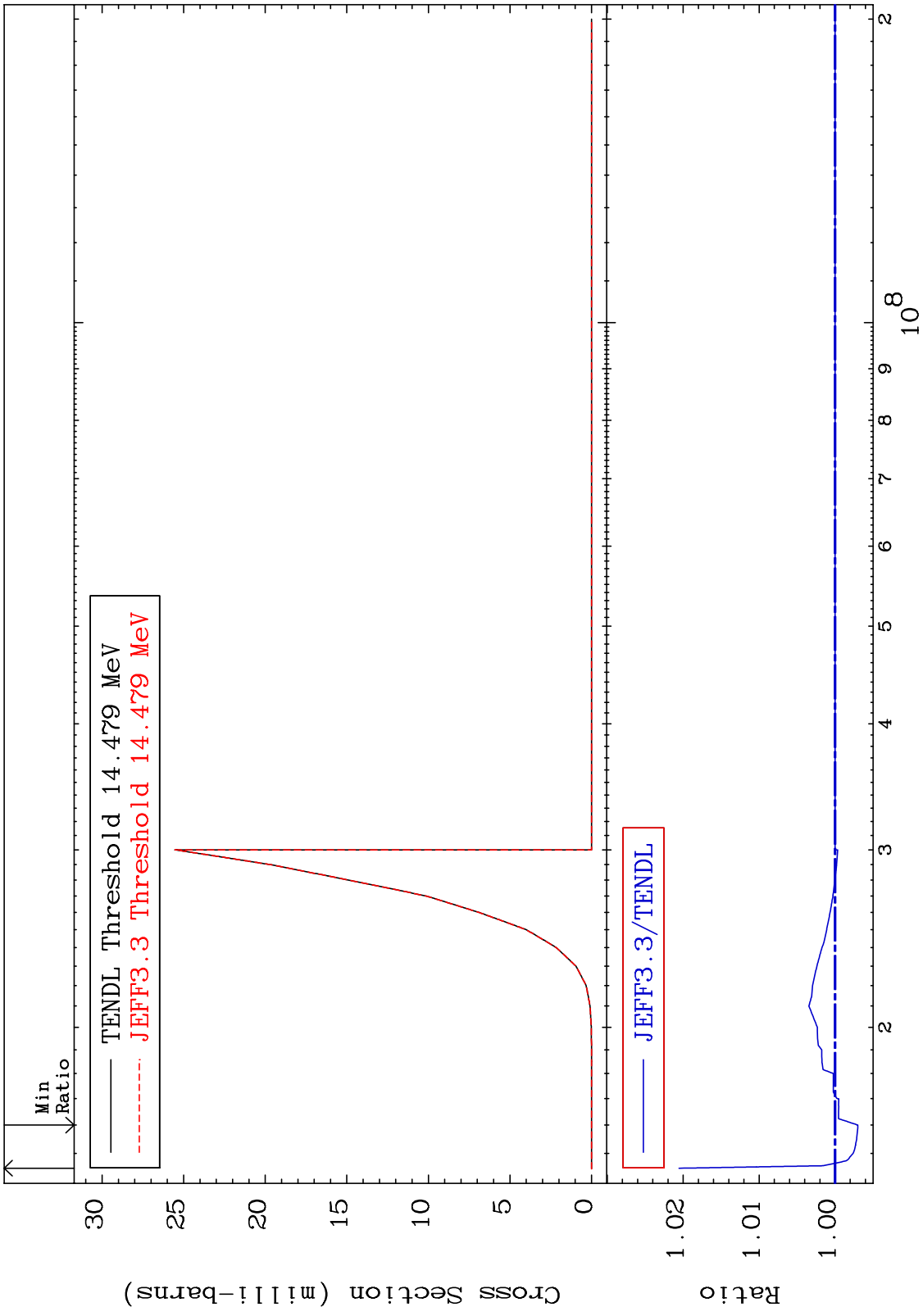
MAT 7425 (n, n') He-3 Cross Section 74-W -180 -3.558 To 0.000 %



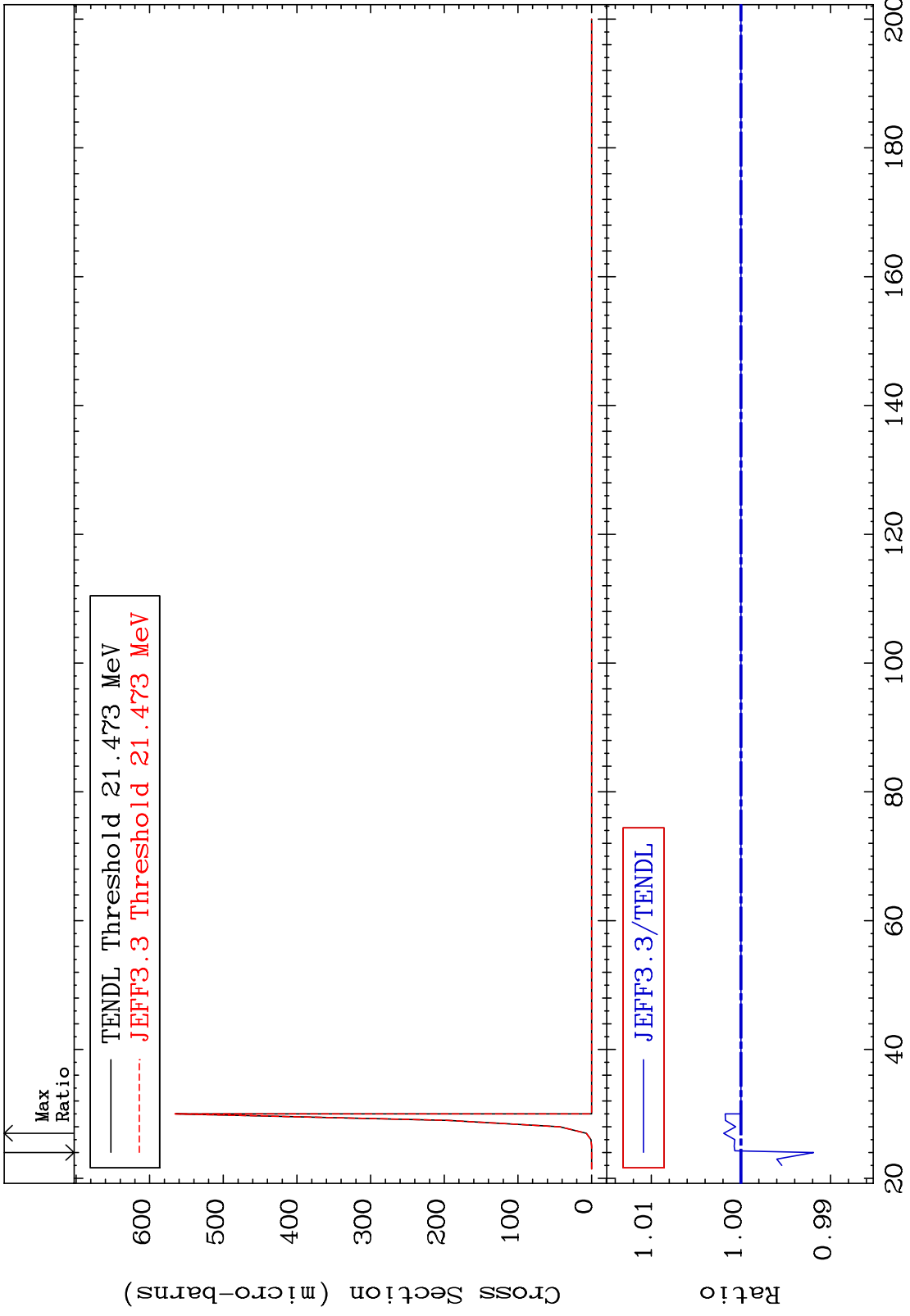
MAT 7425 (n,4n) Cross Section 74-W -180 -0.820 To 0.272 %



MAT 7425 (n,2n) p 74-W -180  
 Cross Section -0.300 To 2.054 %

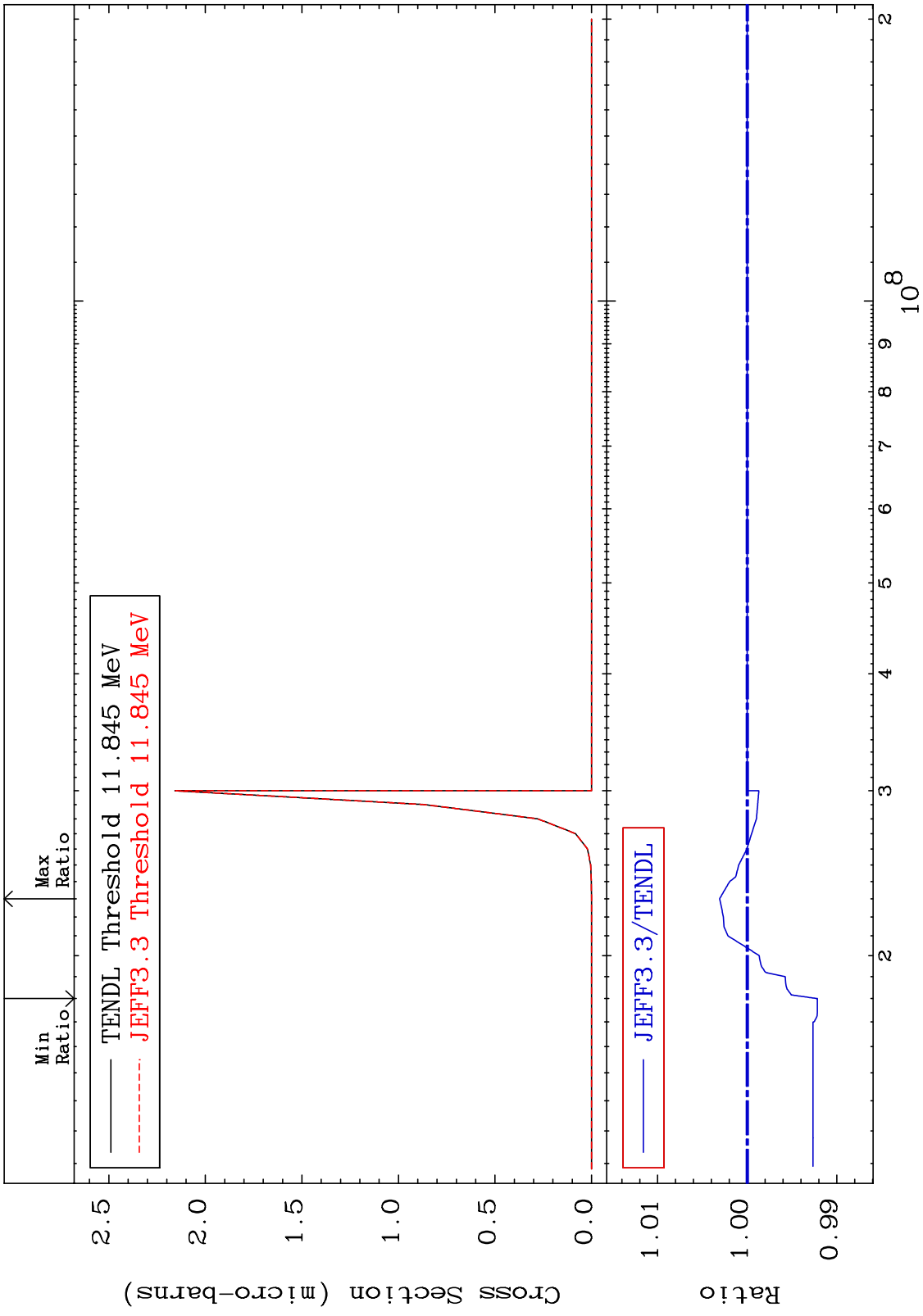


MAT 7425 (n,3n) p 74-W -180  
Cross Section -0.810 To 0.193 %

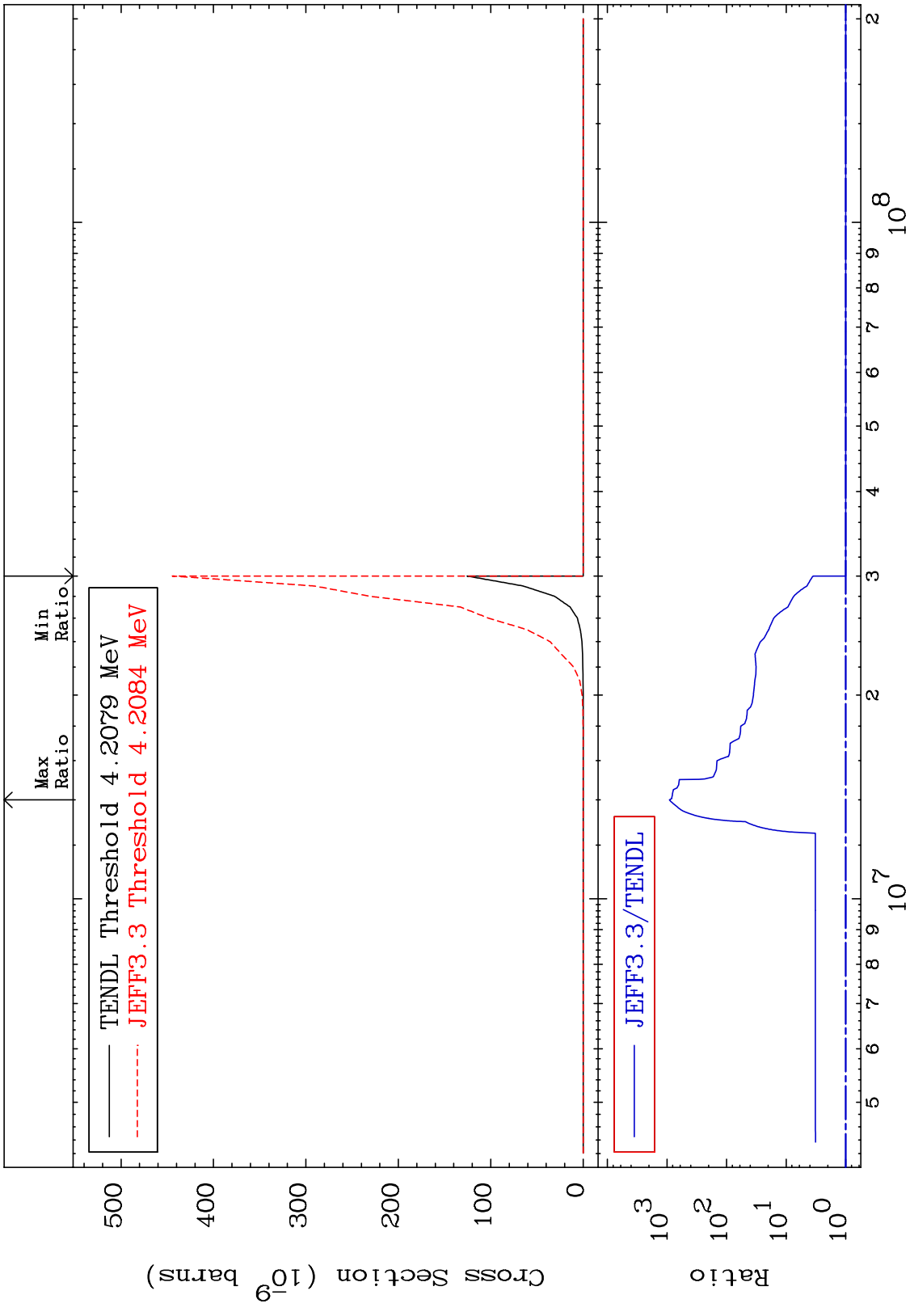


17 74-W -180

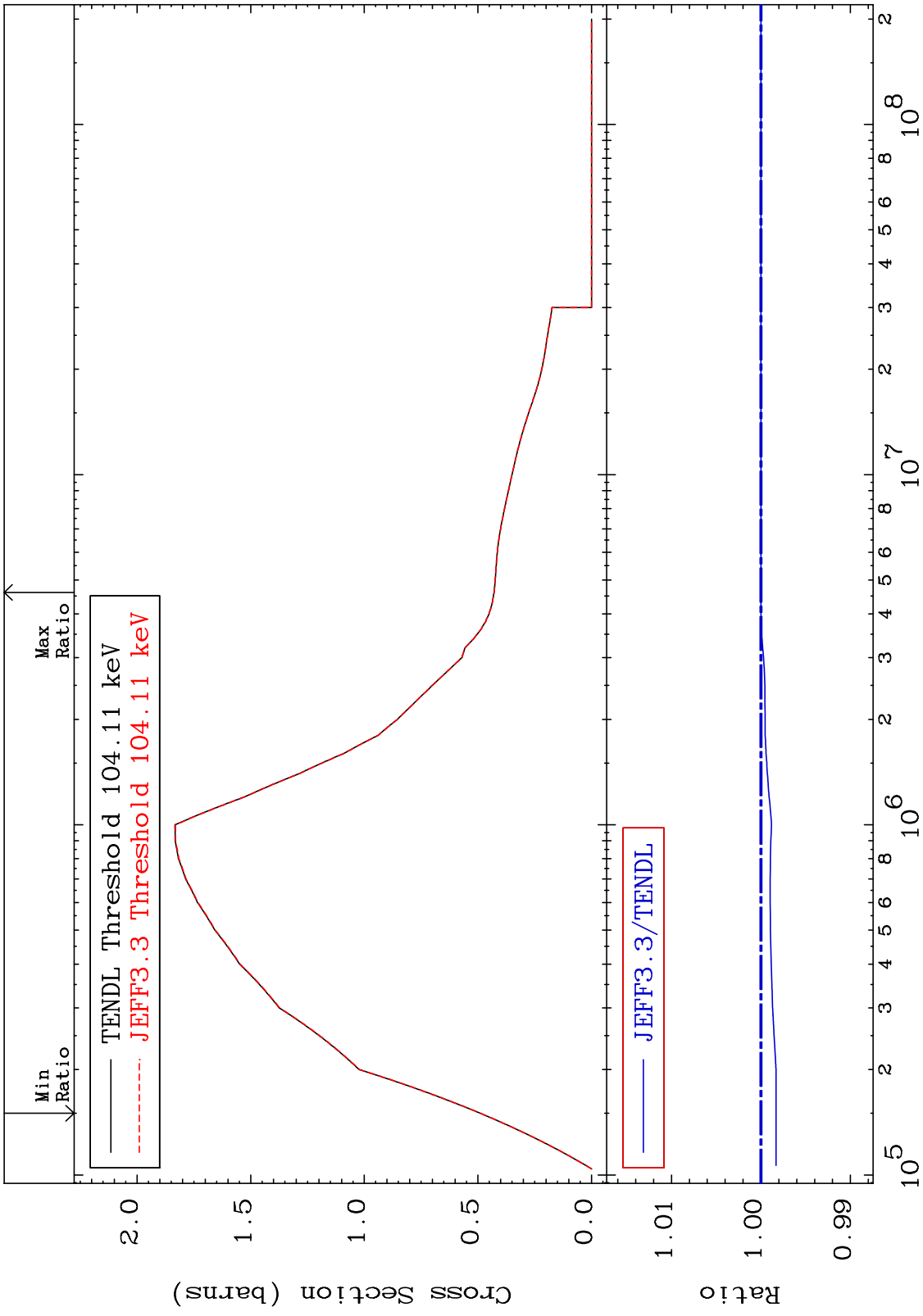
MAT 7425 (n,2n) p 74-W -180  
 Cross Section -0.781 To 0.309 %



MAT 7425 (n,n') p α Cross Section 74-W -180 To 9999. %

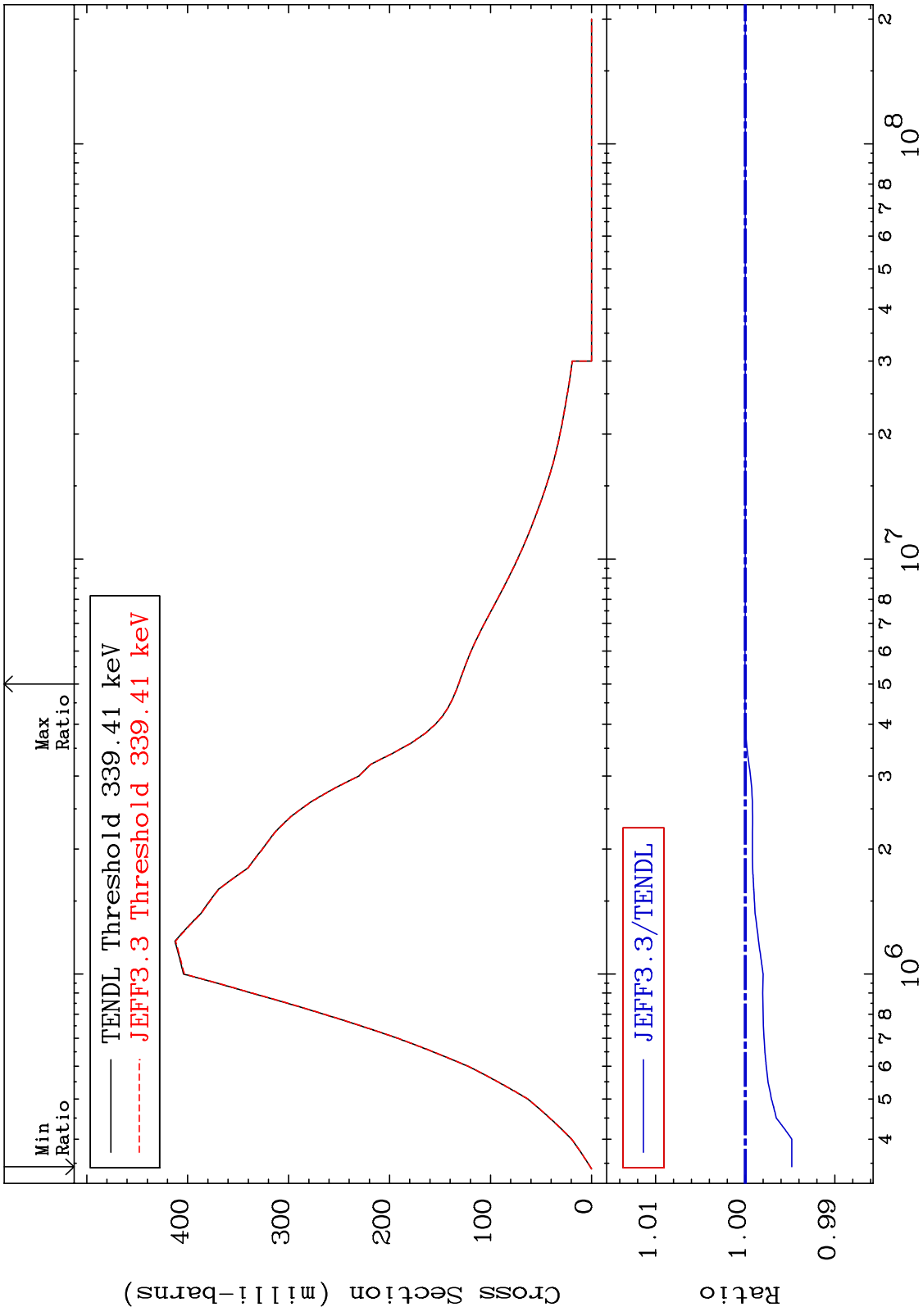


MAT 7425 MT= 51 (n,n') Level Cross Section 74-W -180  
-0.168 To 0.000 %

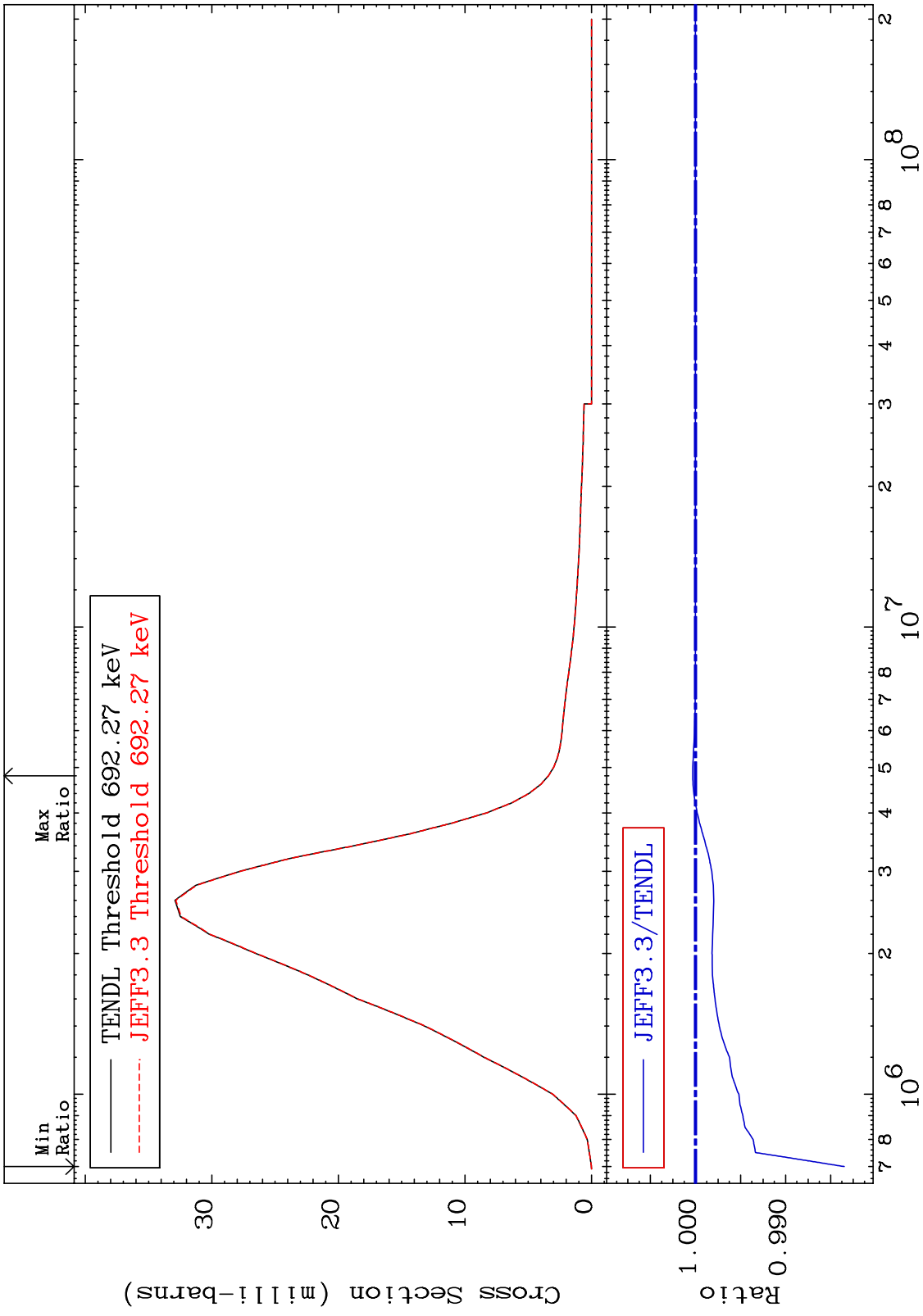


20 Incident Energy (eV) 74-W -180

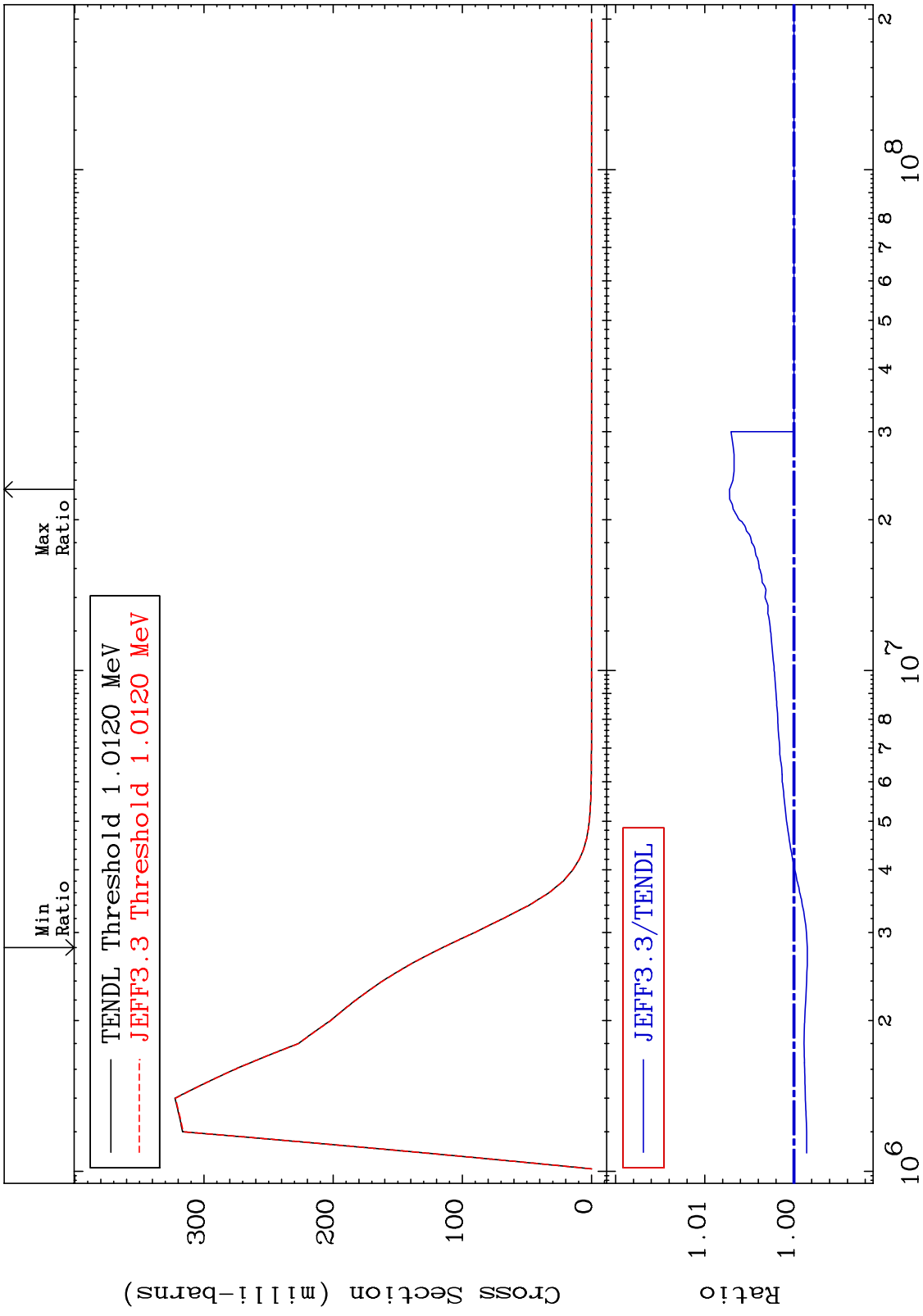
MAT 7425 MT= 52 (n,n') Level Cross Section 74-W -180  
 -0.521 To 0.002 %



MAT 7425 MT= 53 (n,n') Level Cross Section 74-W -180 -1.649 To 0.030 %

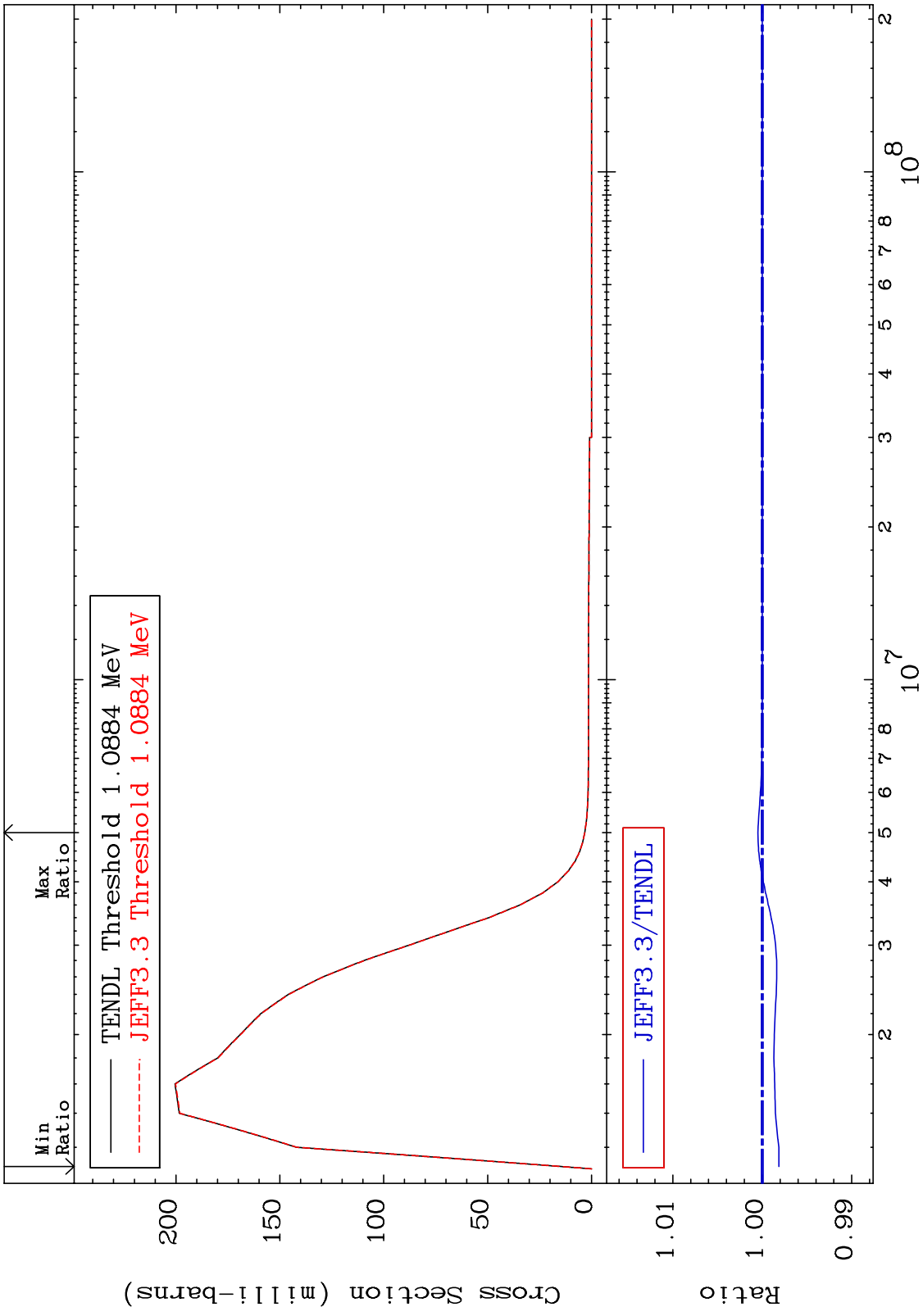


MAT 7425 MT= 54 (n,n') Level Cross Section 74-W -180  
 -0.150 To 0.722 %

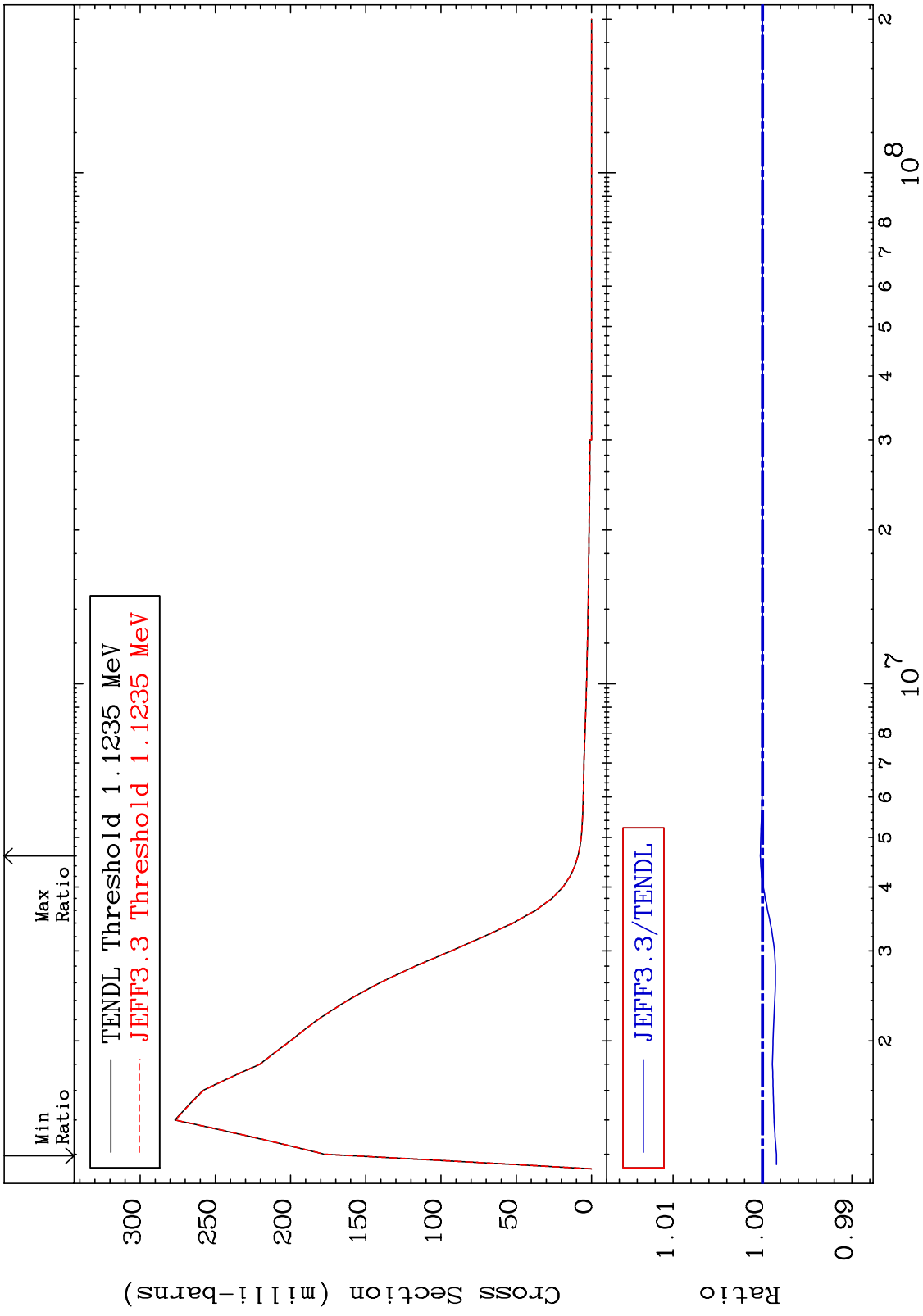


Incident Energy (eV) 74-W -180

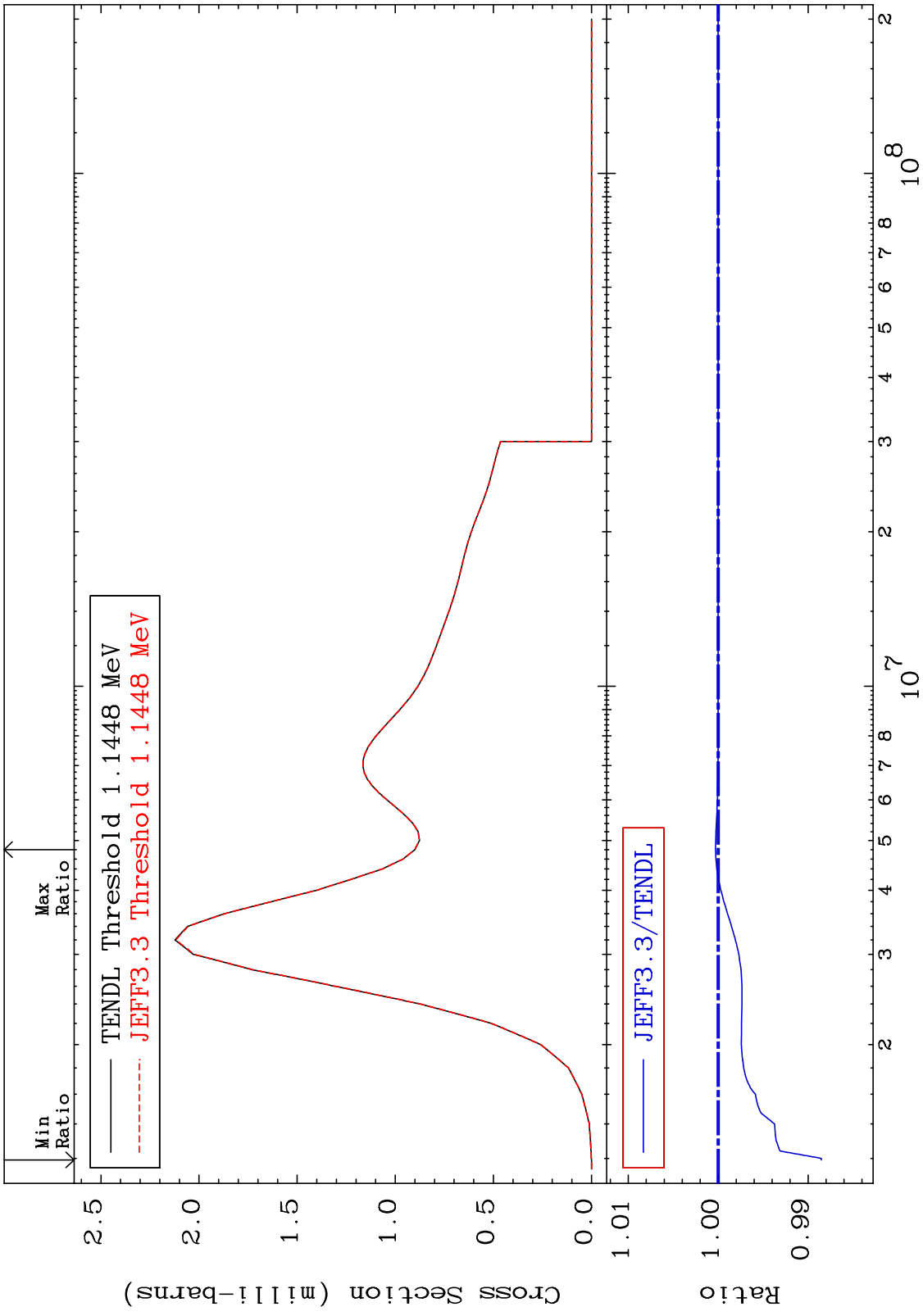
MAT 7425 MT= 55 (n,n') Level Cross Section 74-W -180 -0.186 To 0.048 %



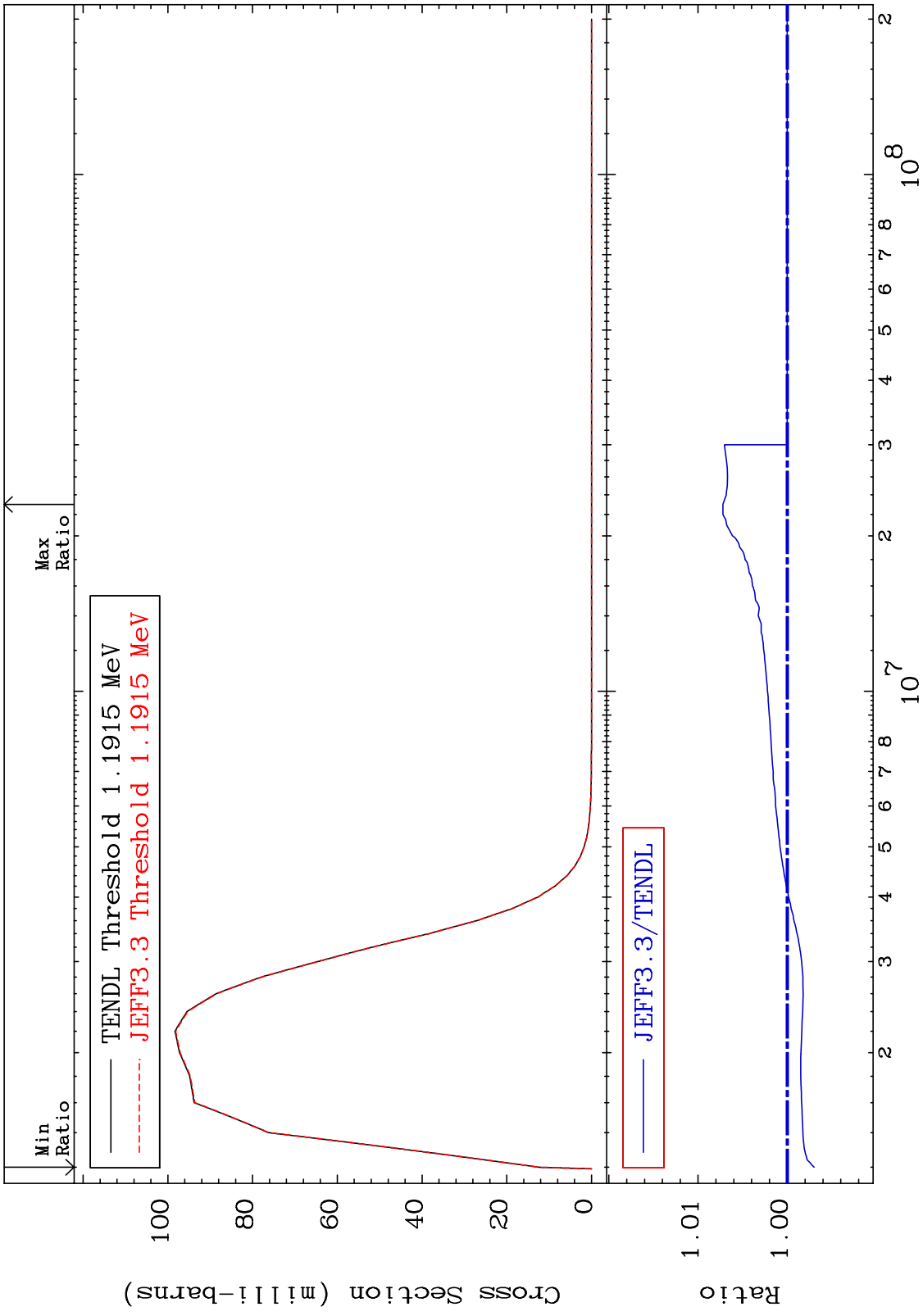
MAT 7425 MT= 56 (n,n') Level Cross Section 74-W -180 -0.156 To 0.024 %



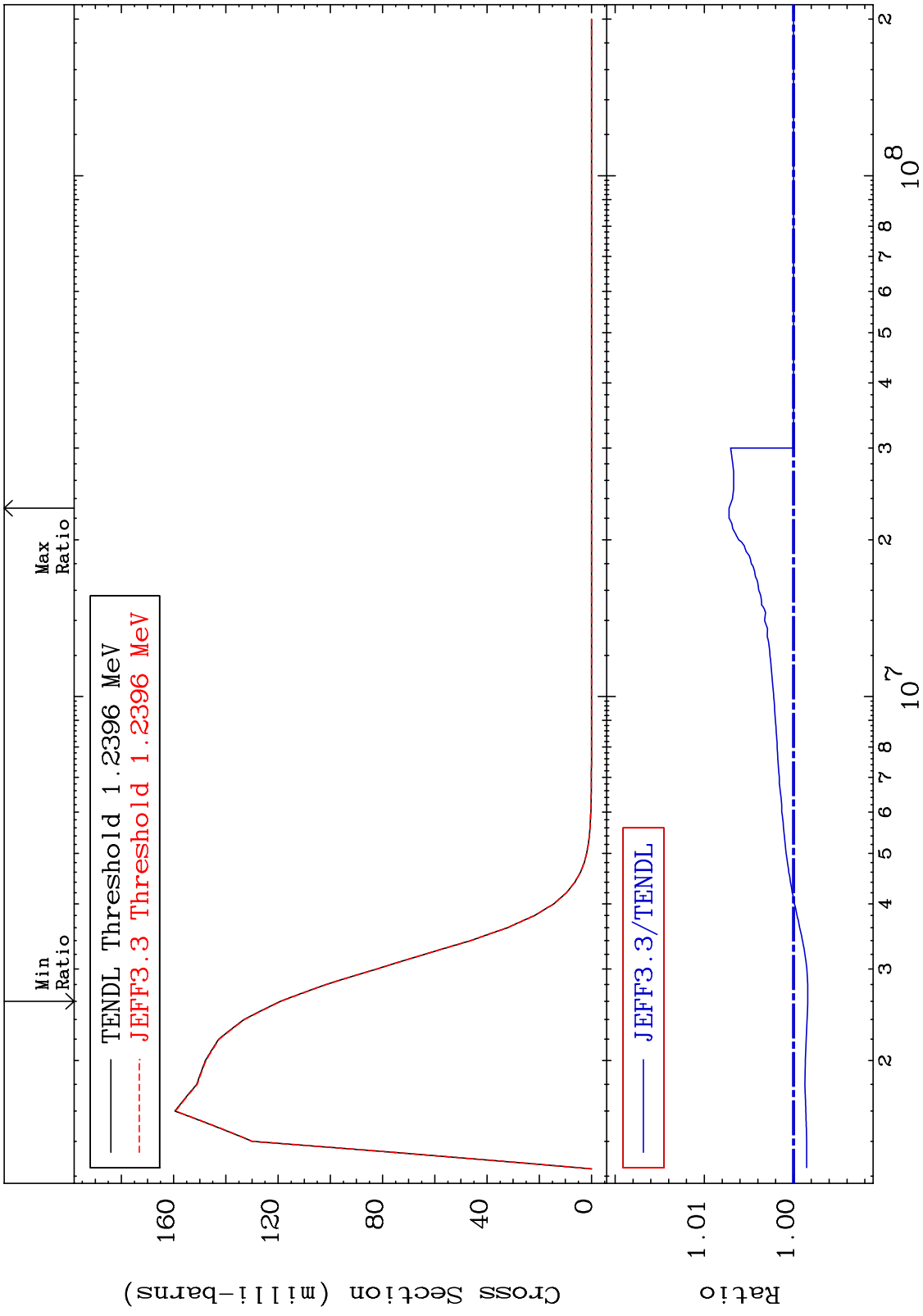
MAT 7425 MT= 57 (n,n') Level Cross Section 74-W -180 -1.147 To 0.030 %



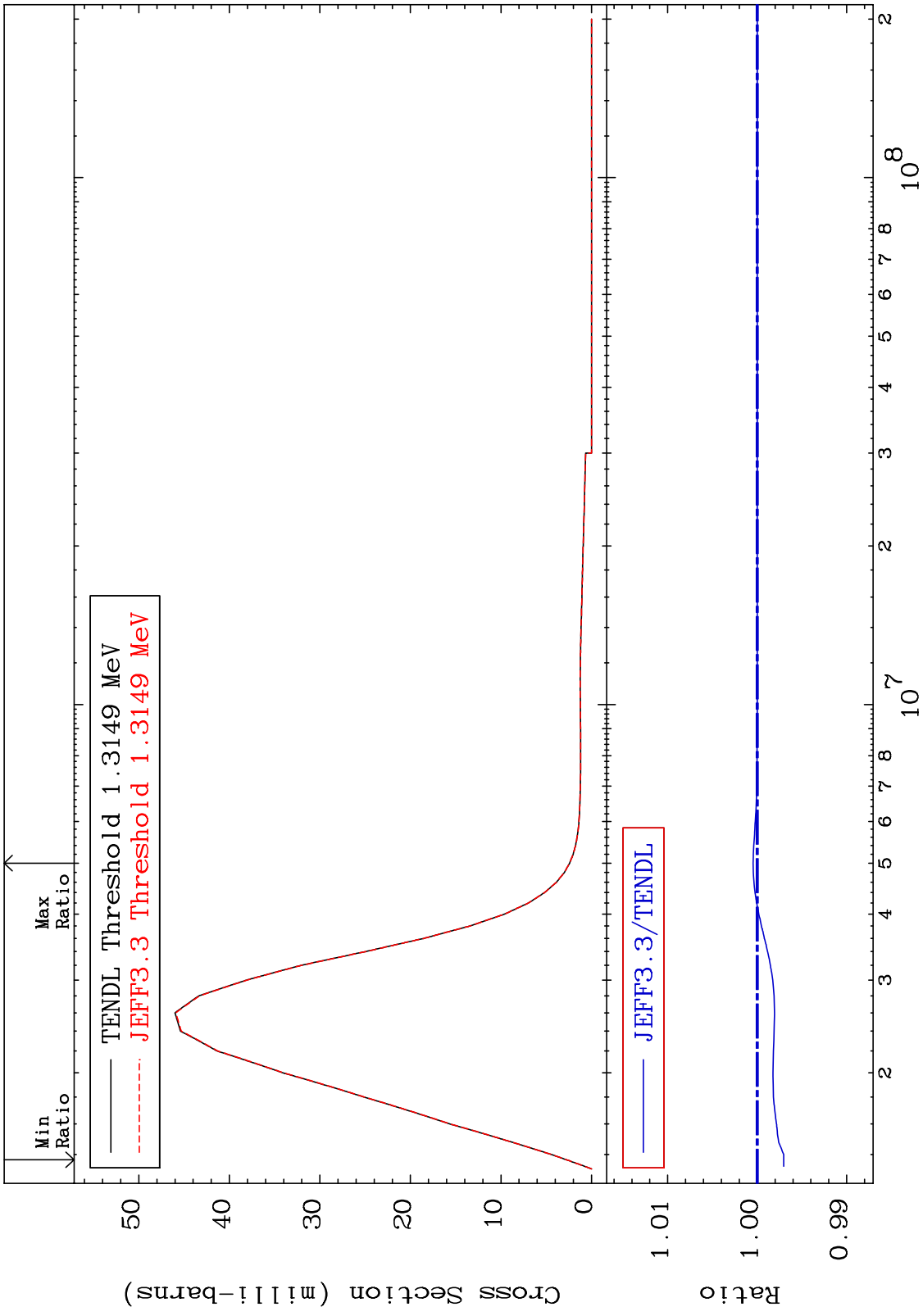
MAT 7425 MT= 58 (n,n') Level Cross Section 74-W -180  
 -0.300 To 0.722 %



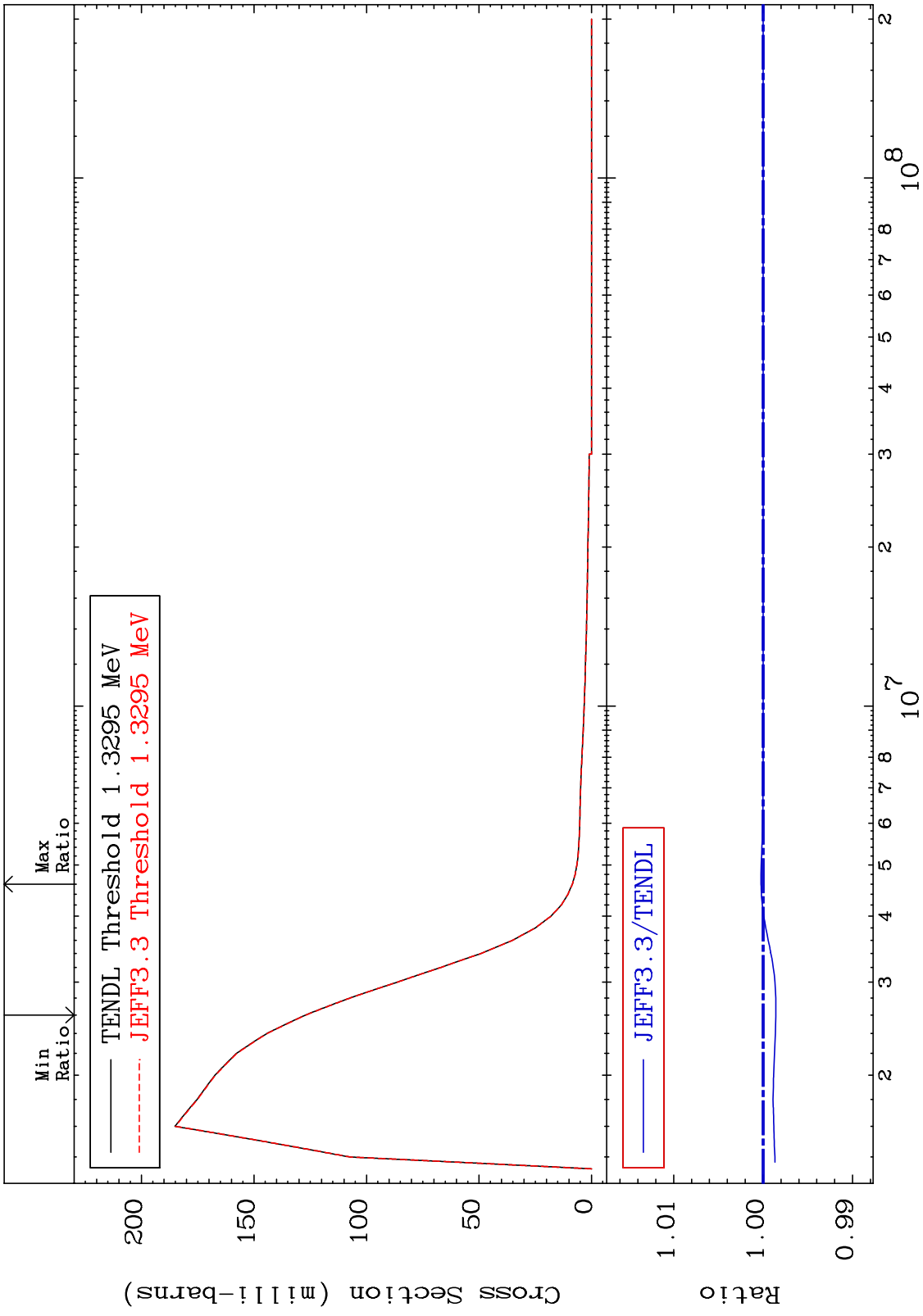
MAT 7425 MT= 59 (n, n') Level Cross Section 74-W -180  
 -0.160 To 0.722 %



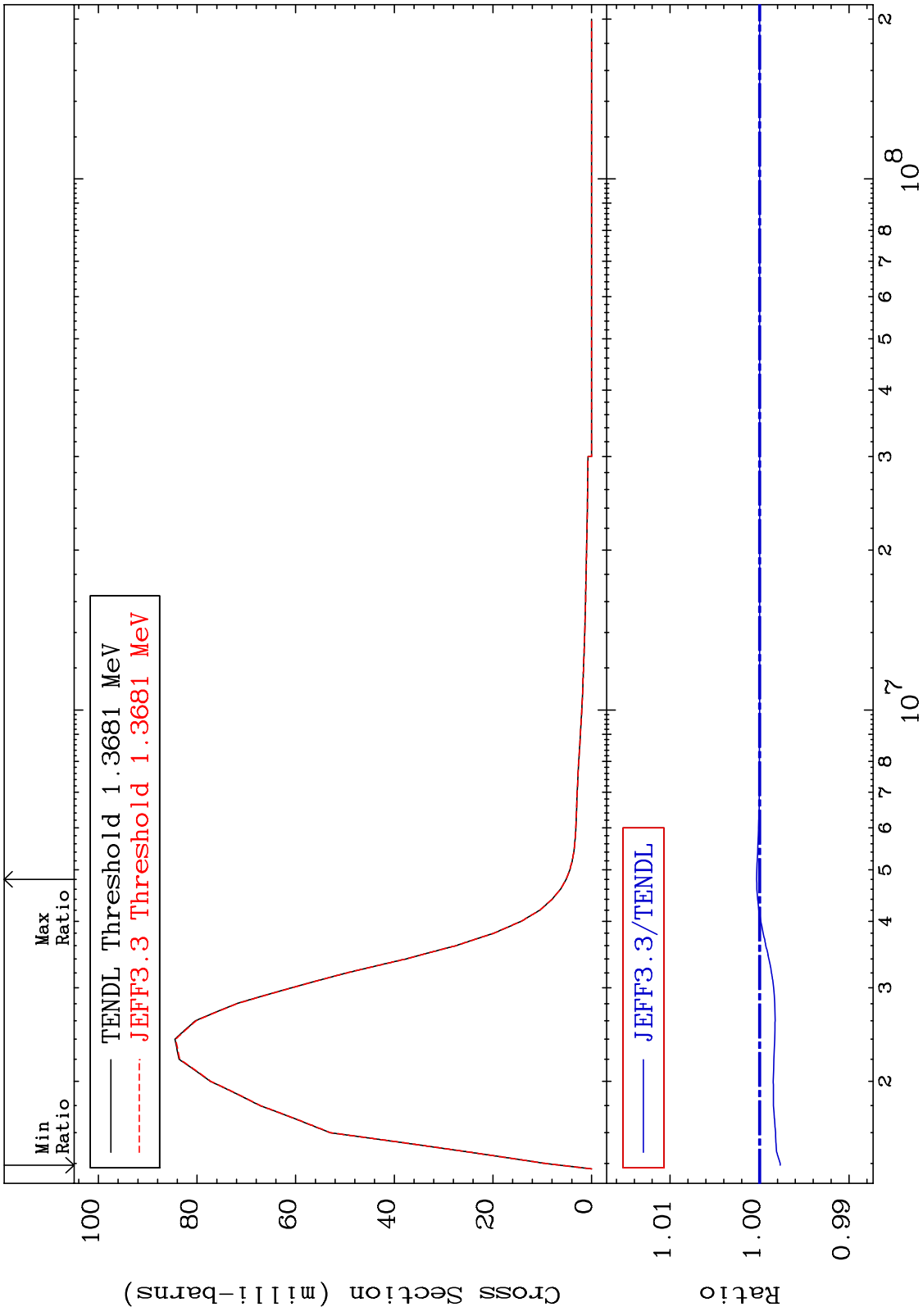
MAT 7425 MT= 60 (n,n') Level Cross Section 74-W -180 -0.296 To 0.045 %



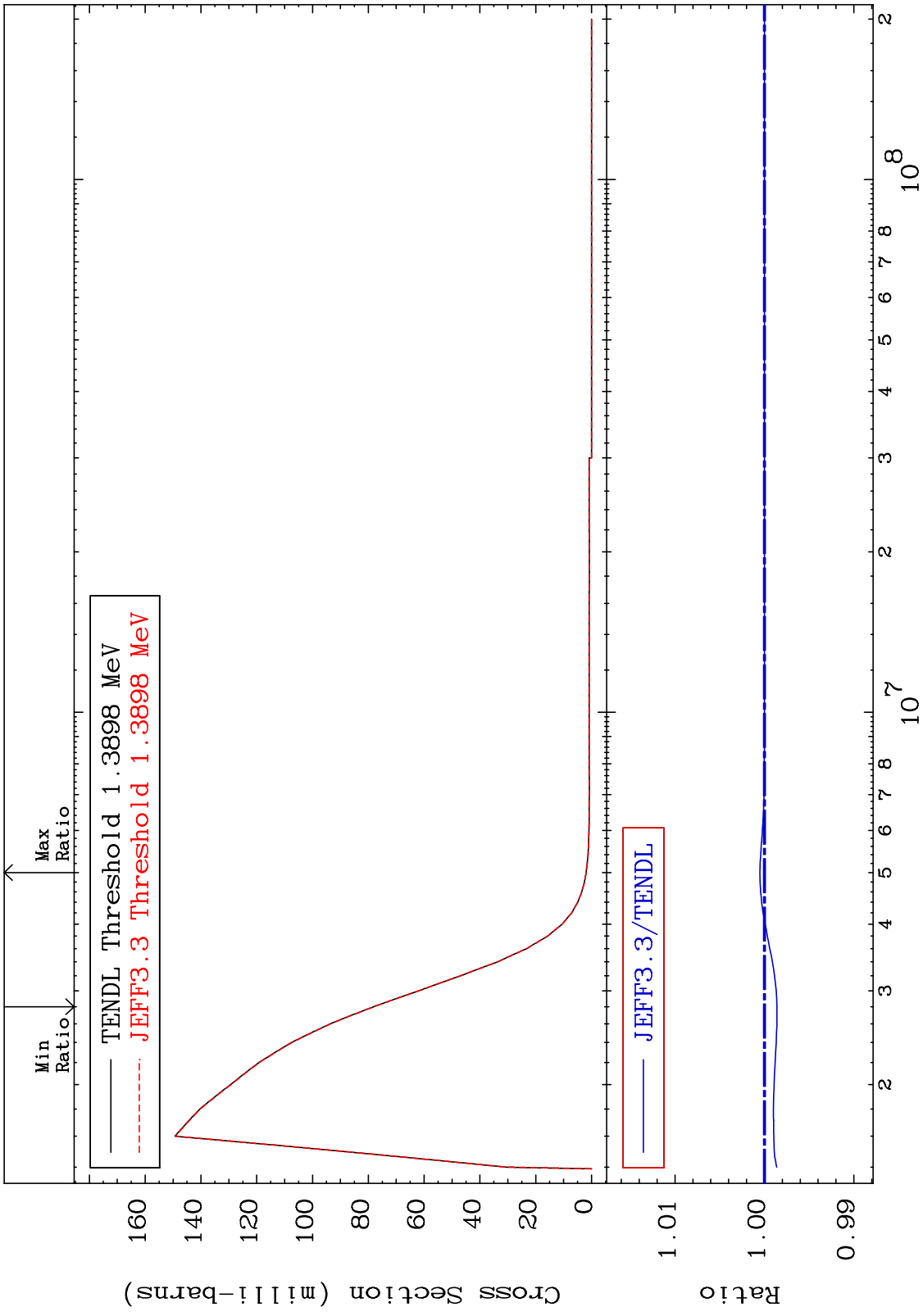
MAT 7425 MT= 61 (n,n') Level Cross Section 74-W -180 -0.143 To 0.024 %



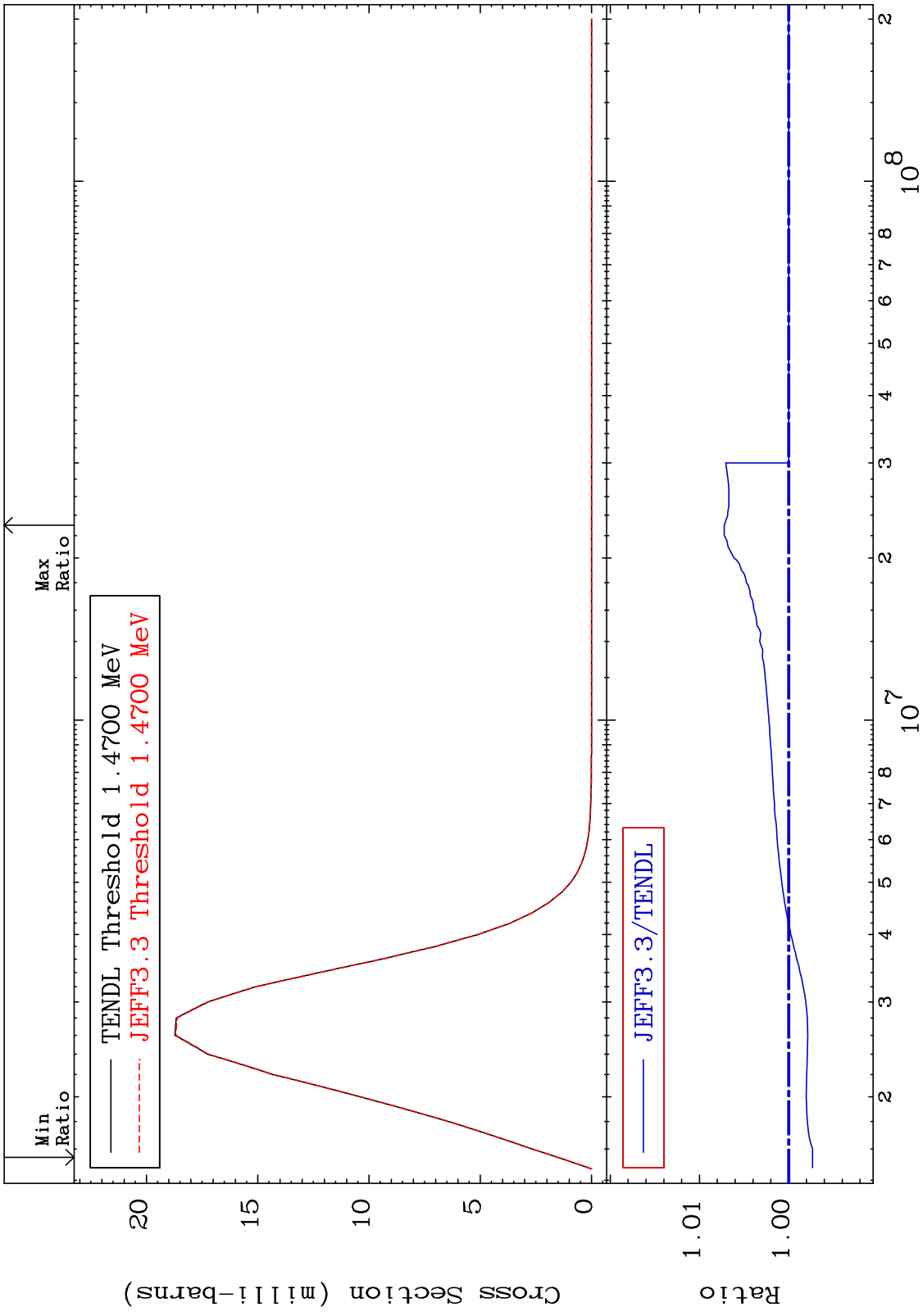
MAT 7425 MT= 62 (n,n') Level Cross Section 74-W -180 -0.231 To 0.032 %



MAT 7425 MT= 63 (n,n') Level Cross Section 74-W -180  
 -0.140 To 0.050 %

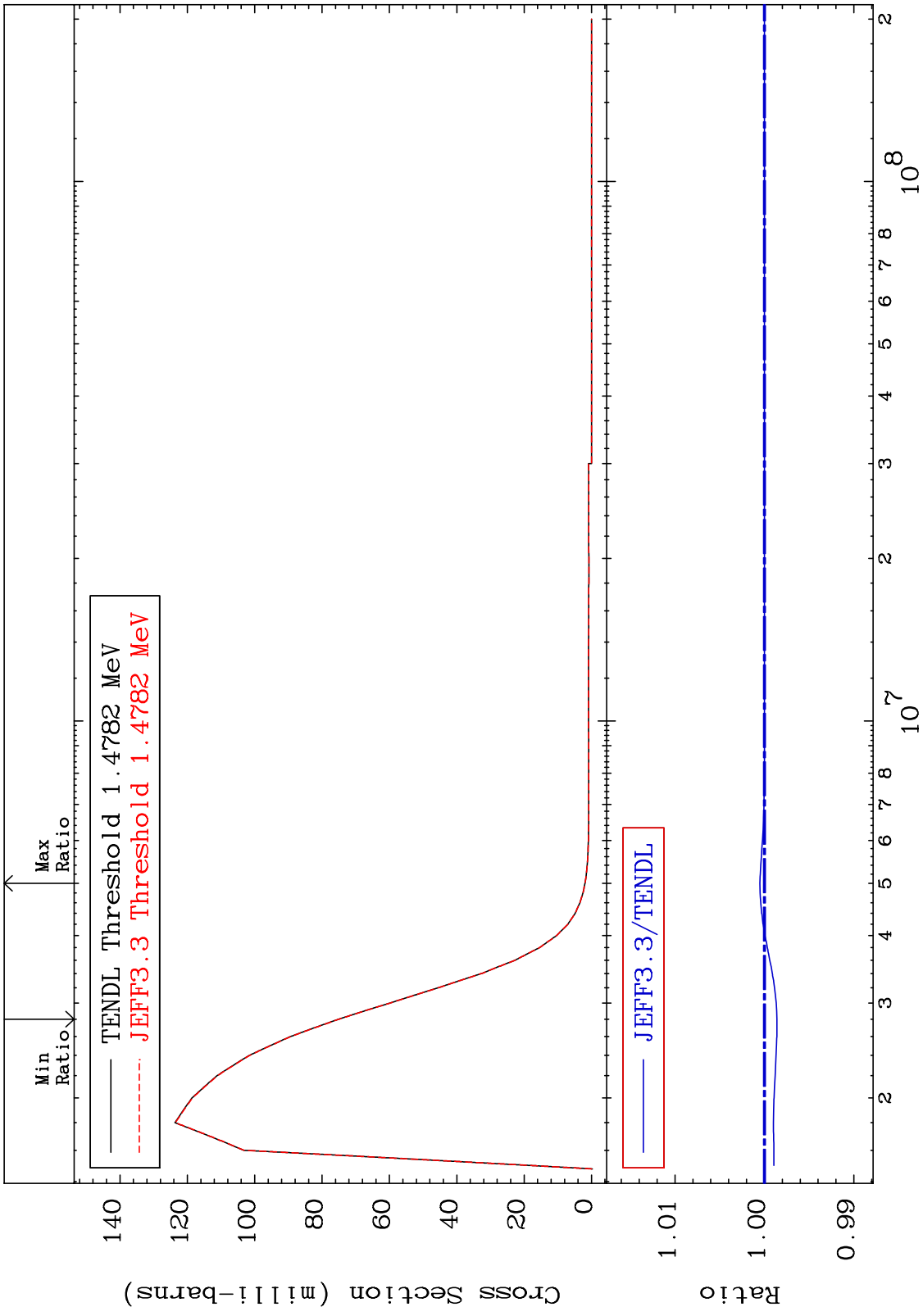


MAT 7425 MT= 64 (n, n') Level Cross Section 74-W -180  
 -0.268 To 0.722 %

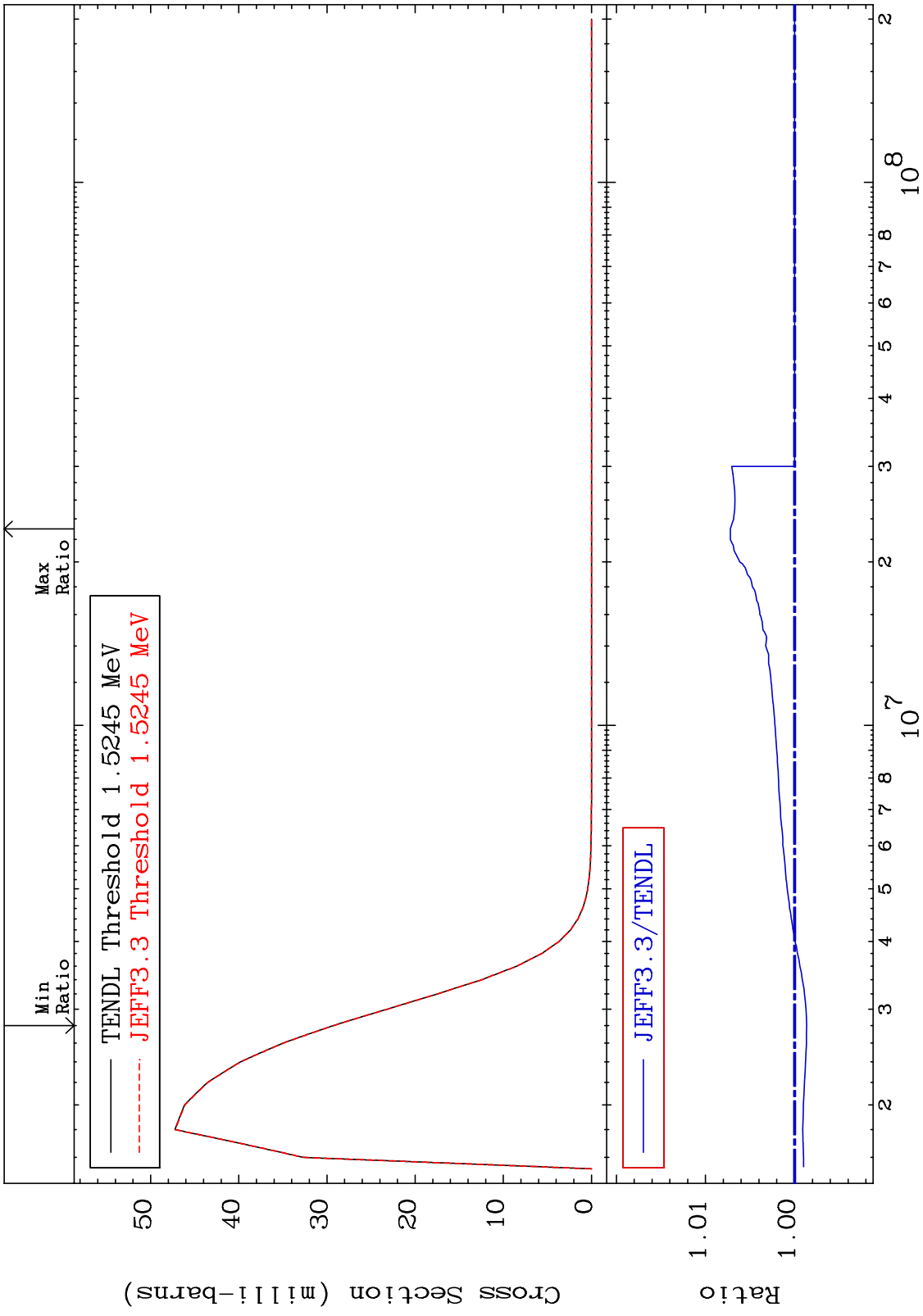


33 74-W -180

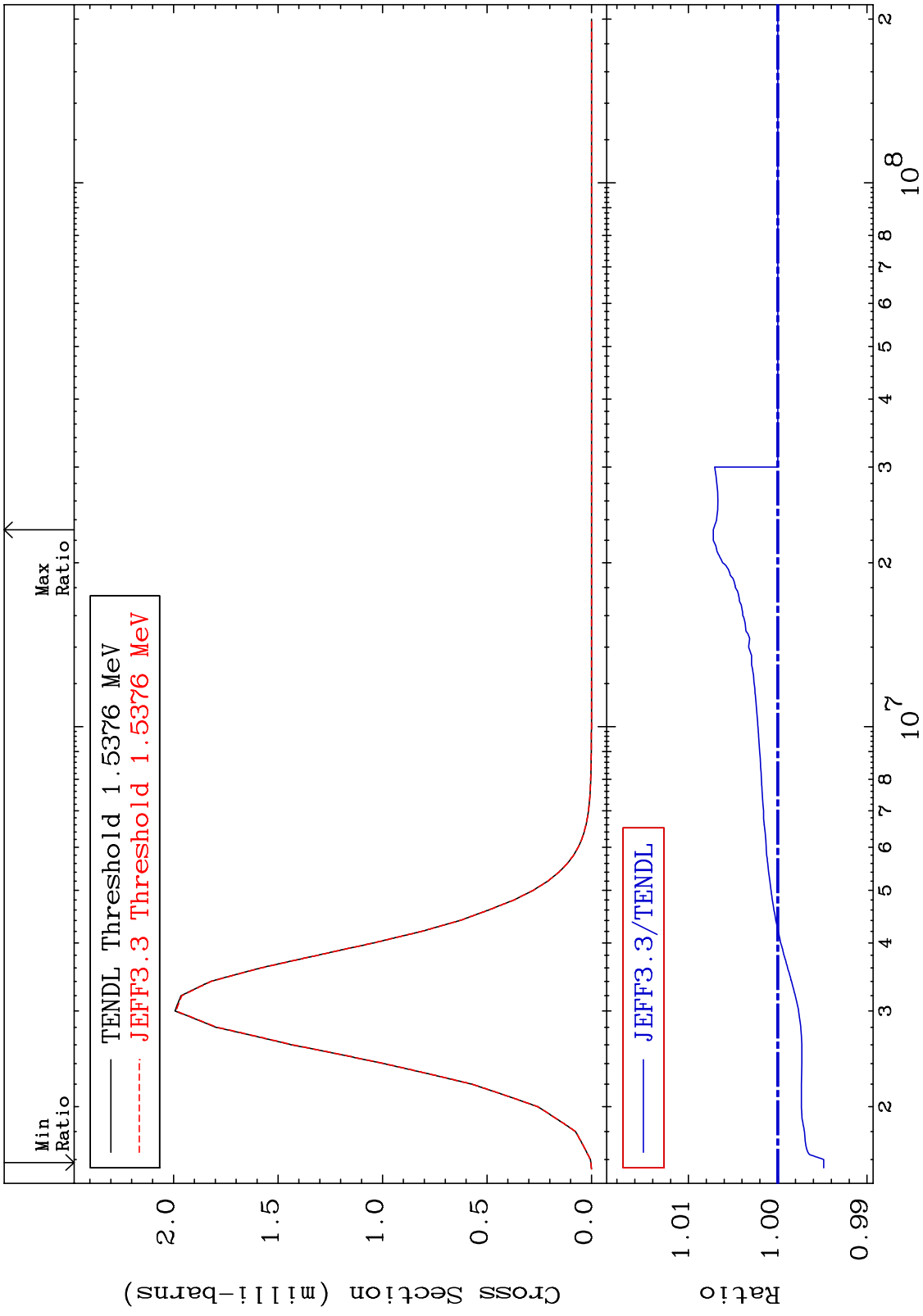
MAT 7425 MT= 65 (n,n') Level Cross Section 74-W -180 -0.140 To 0.050 %



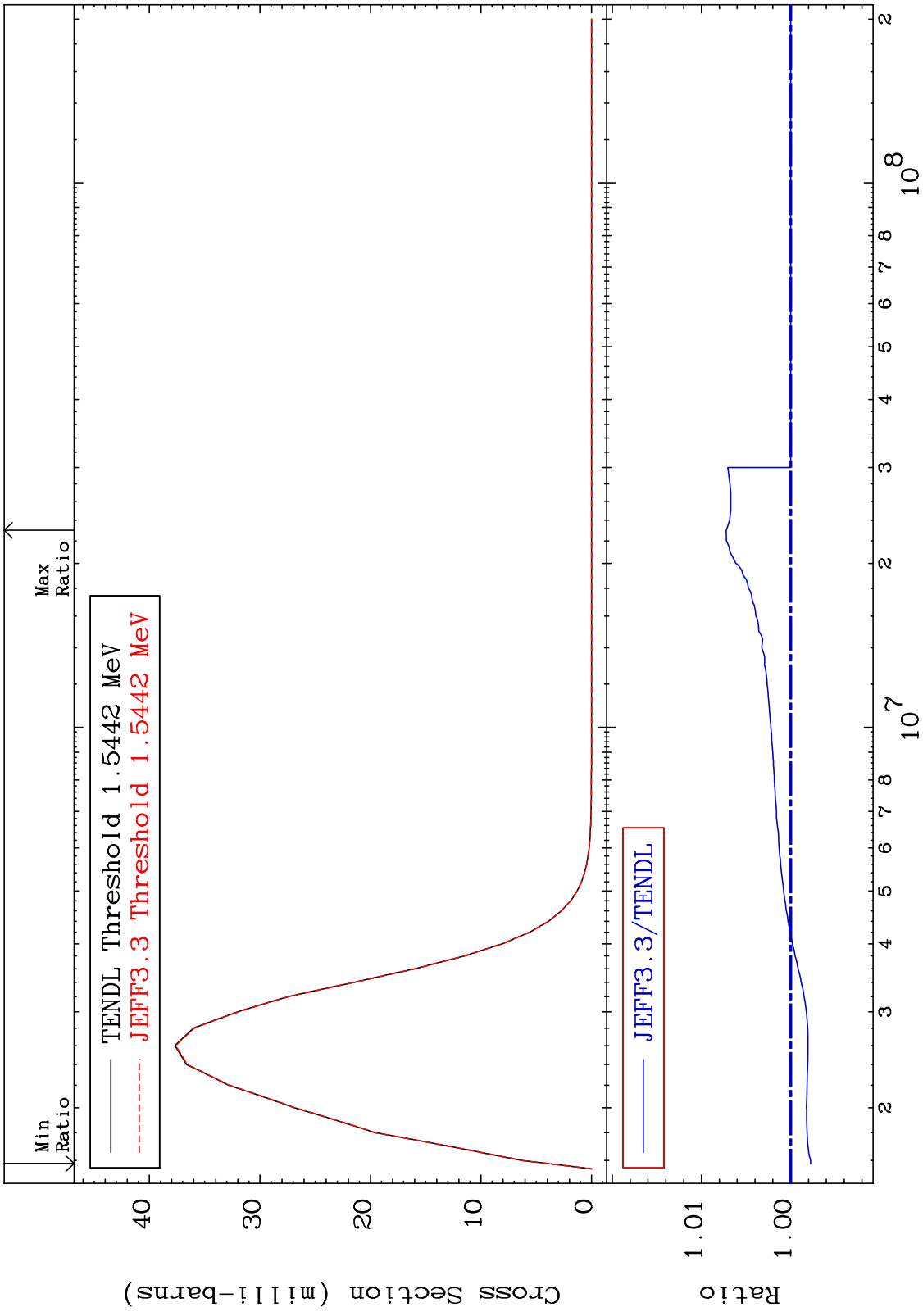
MAT 7425 MT= 66 (n, n') Level Cross Section 74-W -180  
 -0.135 To 0.722 %



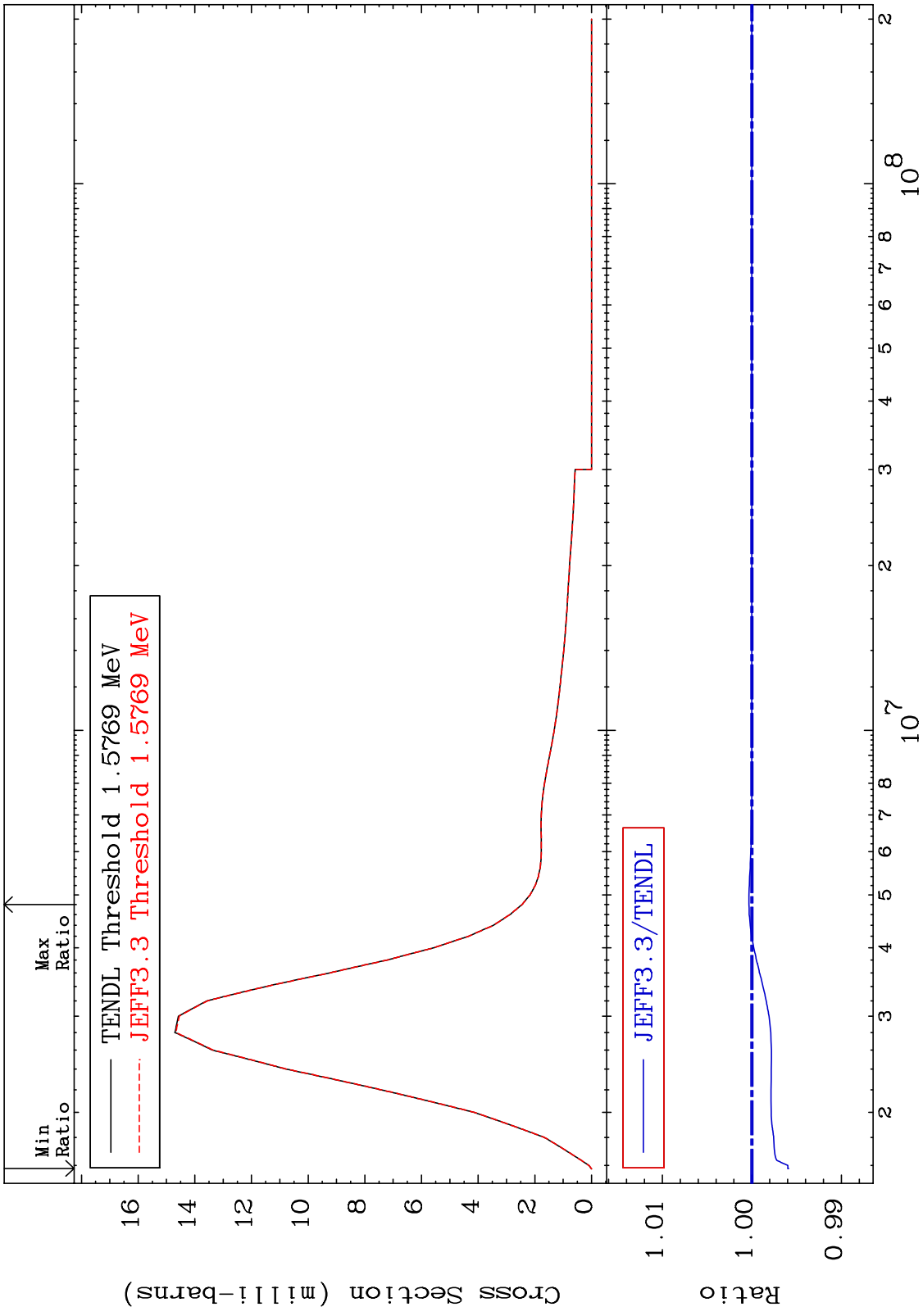
MAT 7425 MT= 67 (n, n') Level Cross Section 74-W -180 -0.514 To 0.722 %



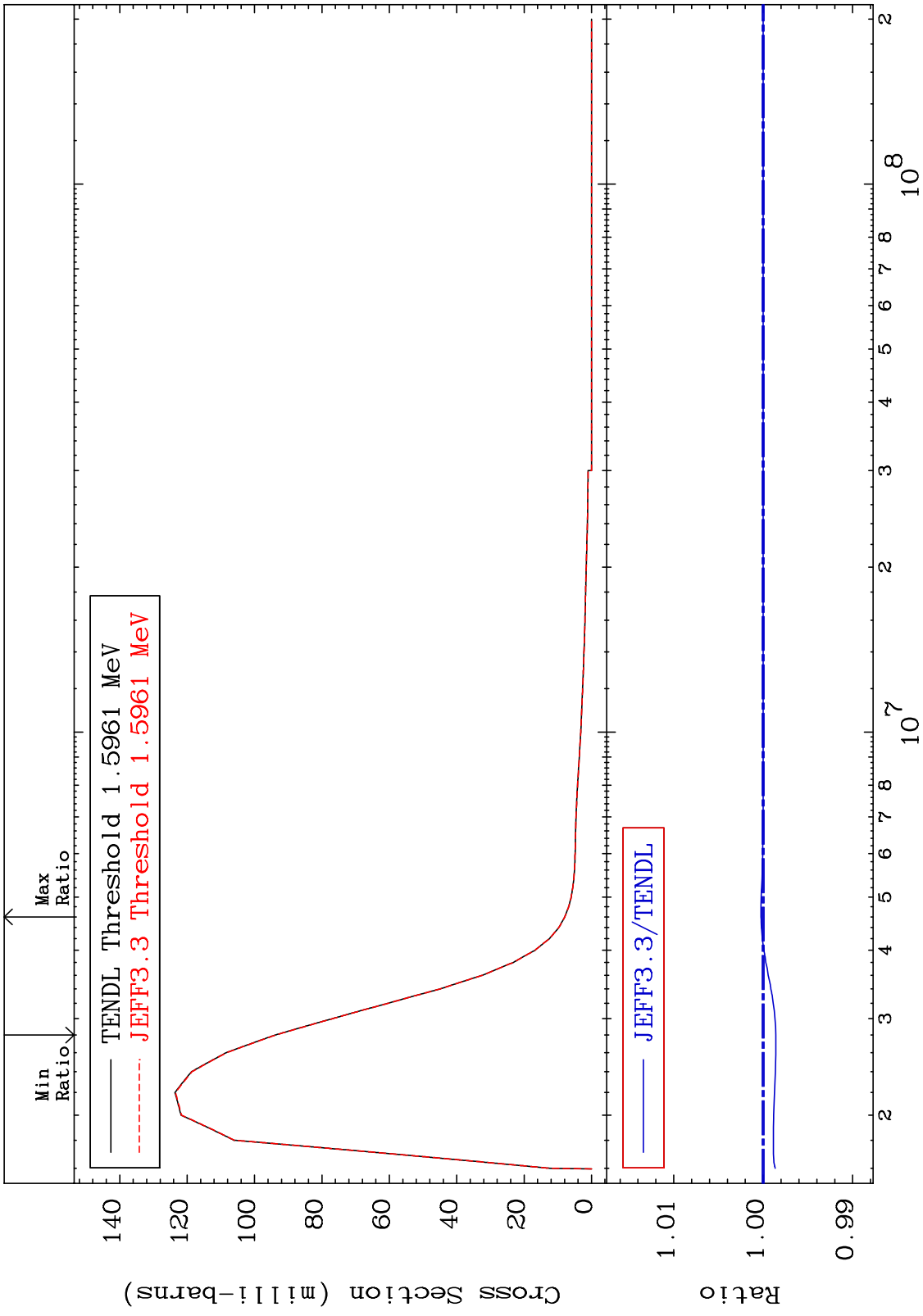
MAT 7425 MT= 68 (n, n') Level Cross Section 74-W -180 -0.224 To 0.723 %



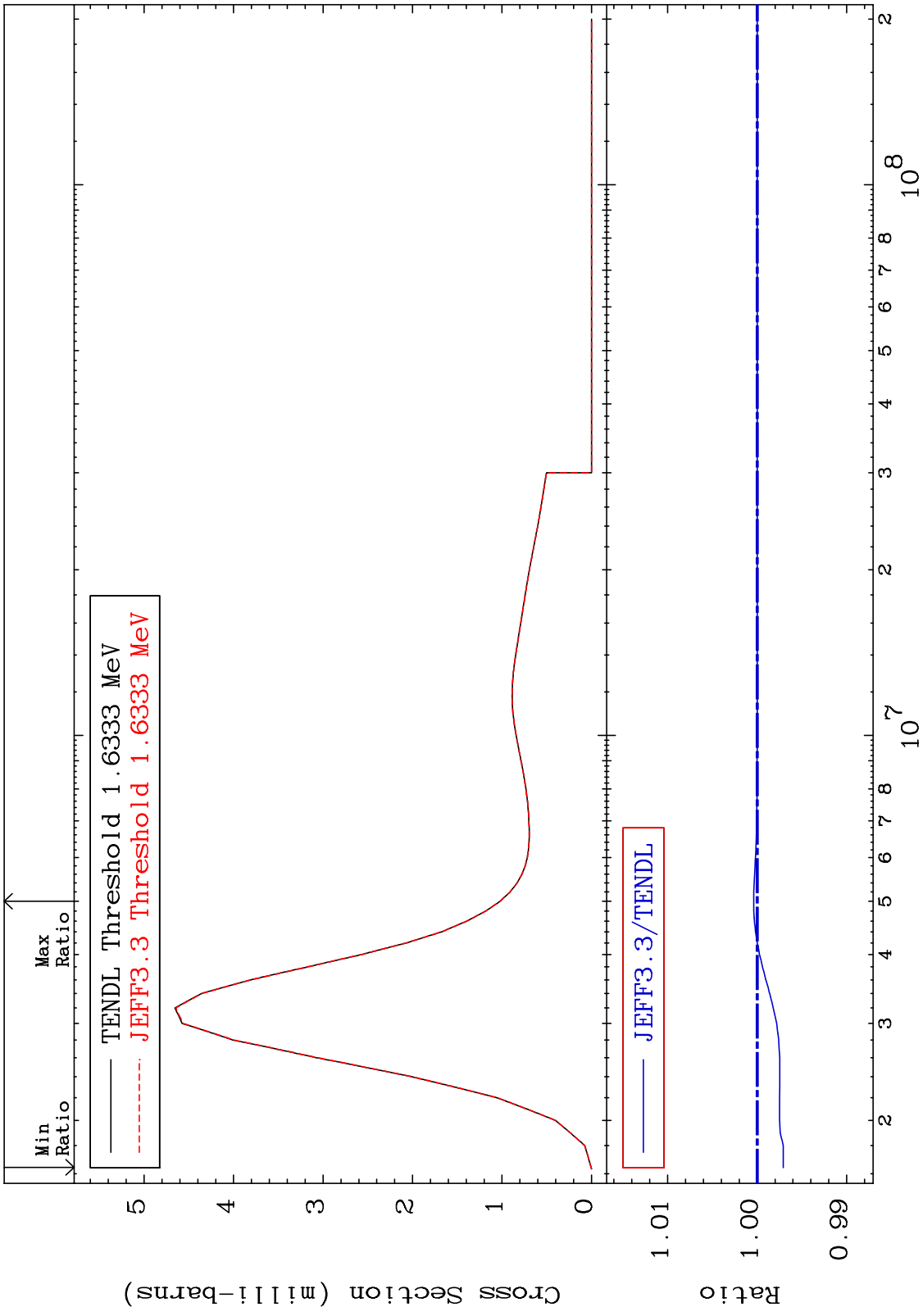
MAT 7425 MT= 69 (n,n') Level Cross Section 74-W -180 -0.403 To 0.033 %



MAT 7425 MT= 70 (n,n') Level Cross Section 74-W -180  
 -0.142 To 0.025 %

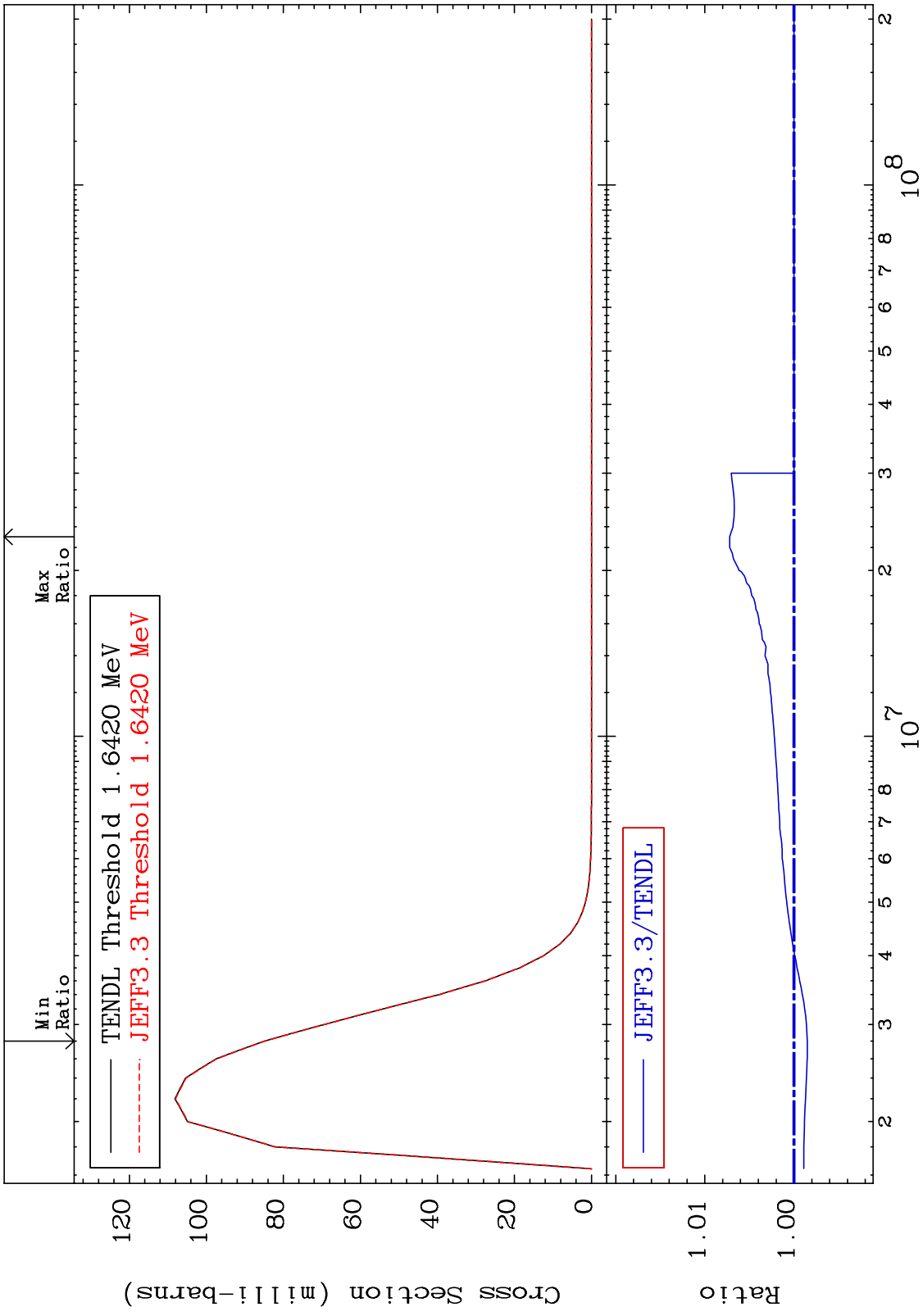


MAT 7425 MT= 71 (n,n') Level Cross Section 74-W -180 -0.291 To 0.039 %

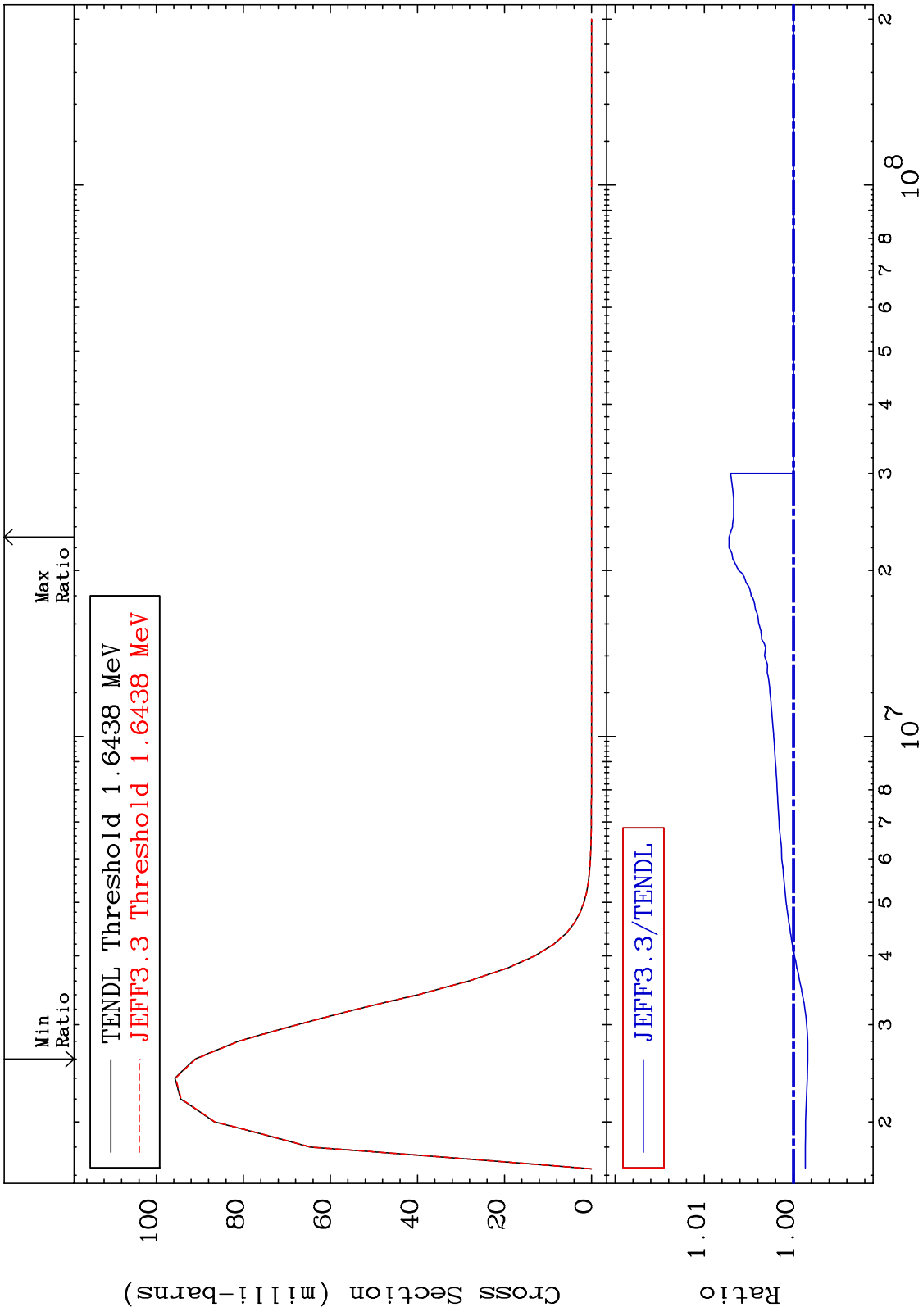


40 74-W -180

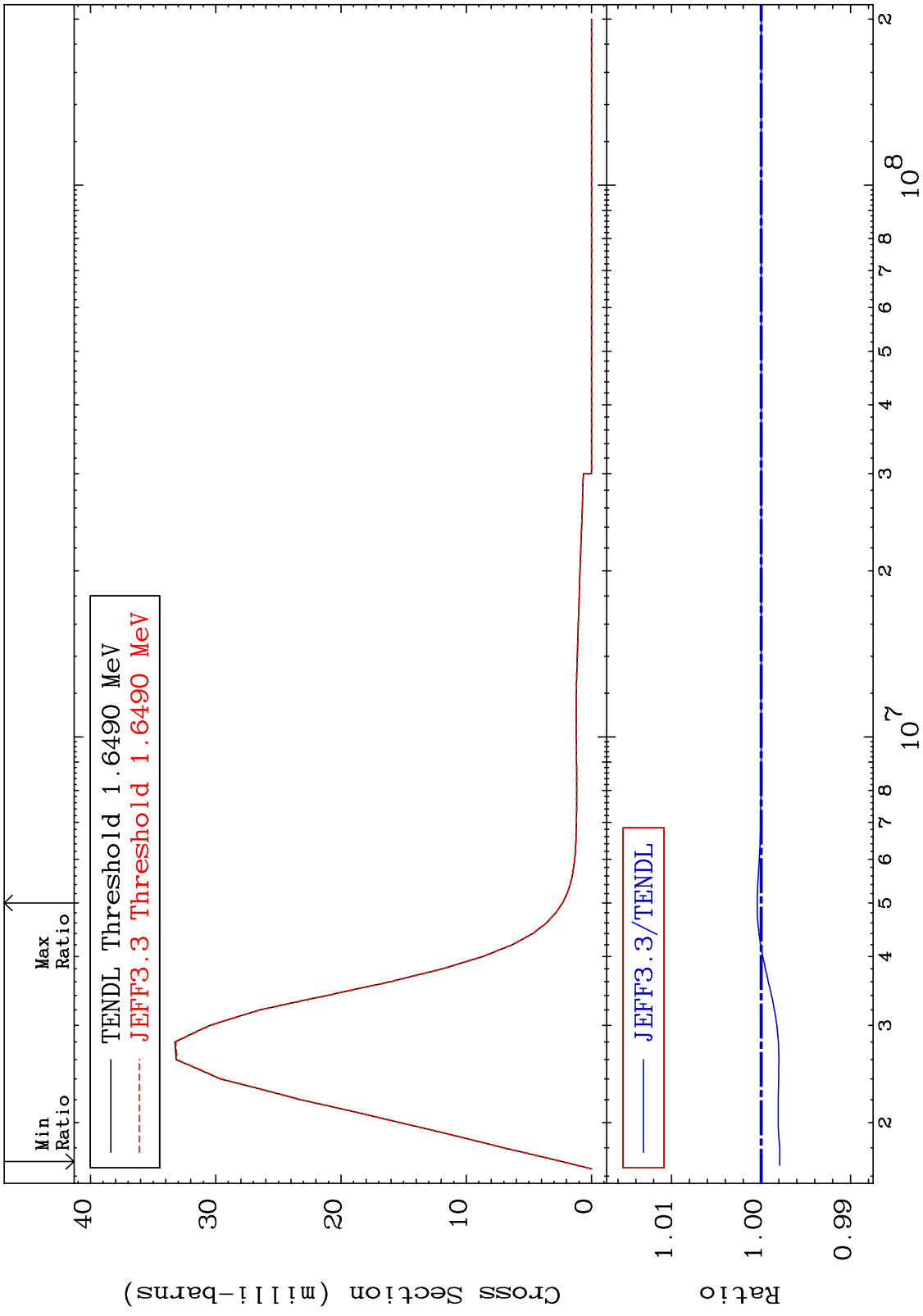
MAT 7425 MT= 72 (n, n') Level Cross Section 74-W -180  
 -0.149 To 0.722 %



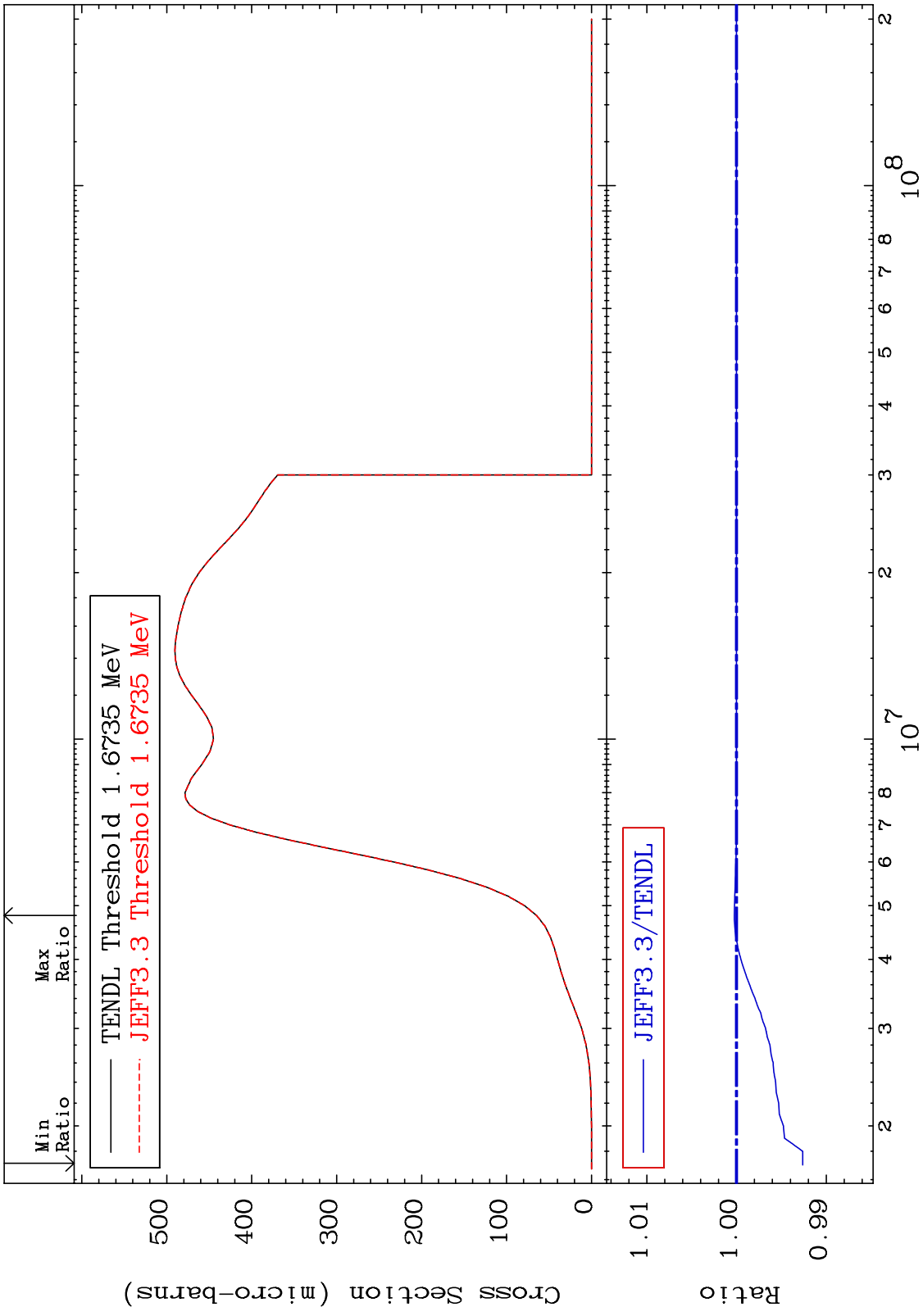
MAT 7425 MT= 73 (n, n') Level Cross Section 74-W -180  
 -0.161 To 0.722 %



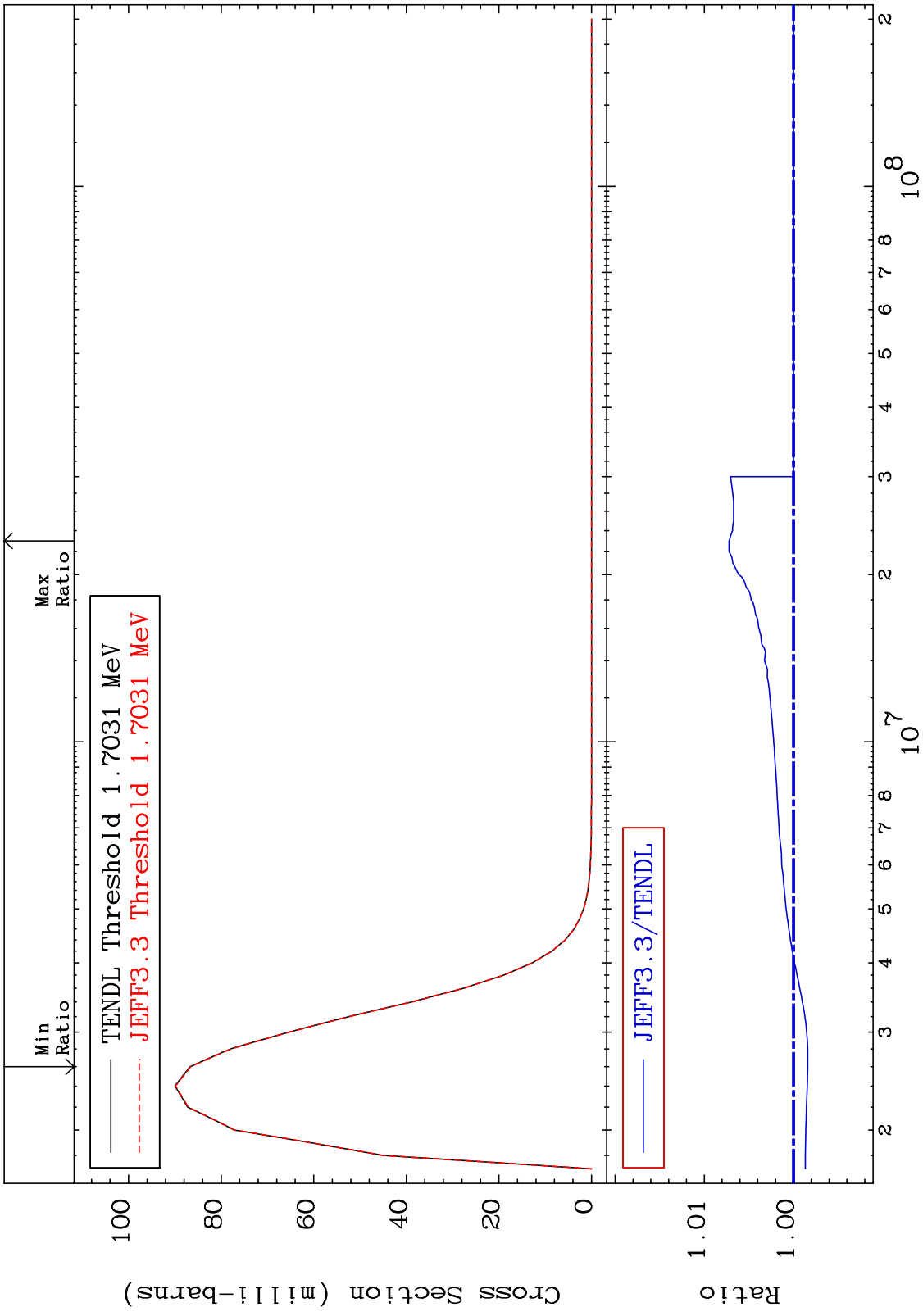
MAT 7425 MT= 74 (n,n') Level Cross Section 74-W -180 -0.209 To 0.044 %



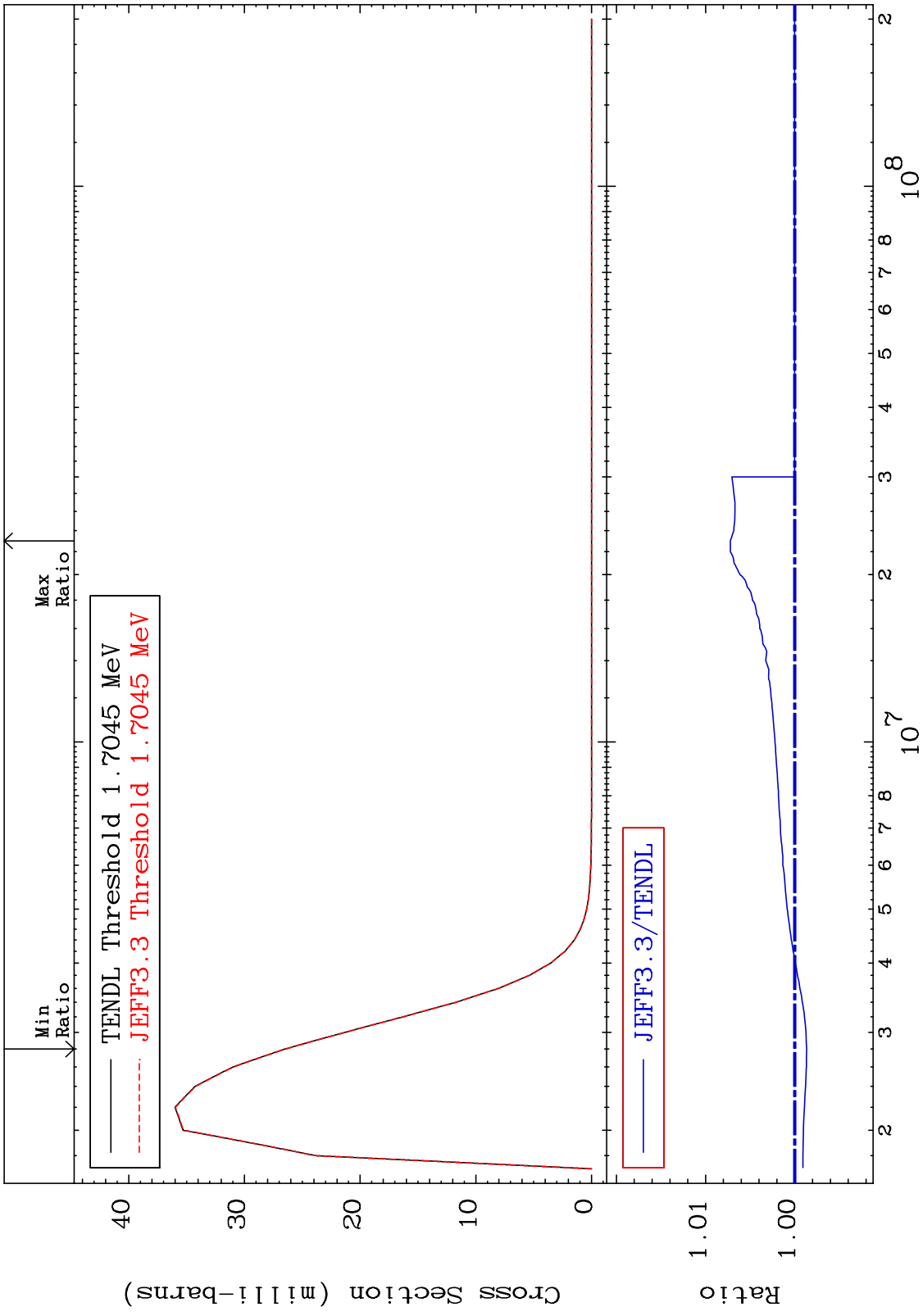
MAT 7425 MT= 75 (n,n') Level Cross Section 74-W -180 -0.737 To 0.026 %



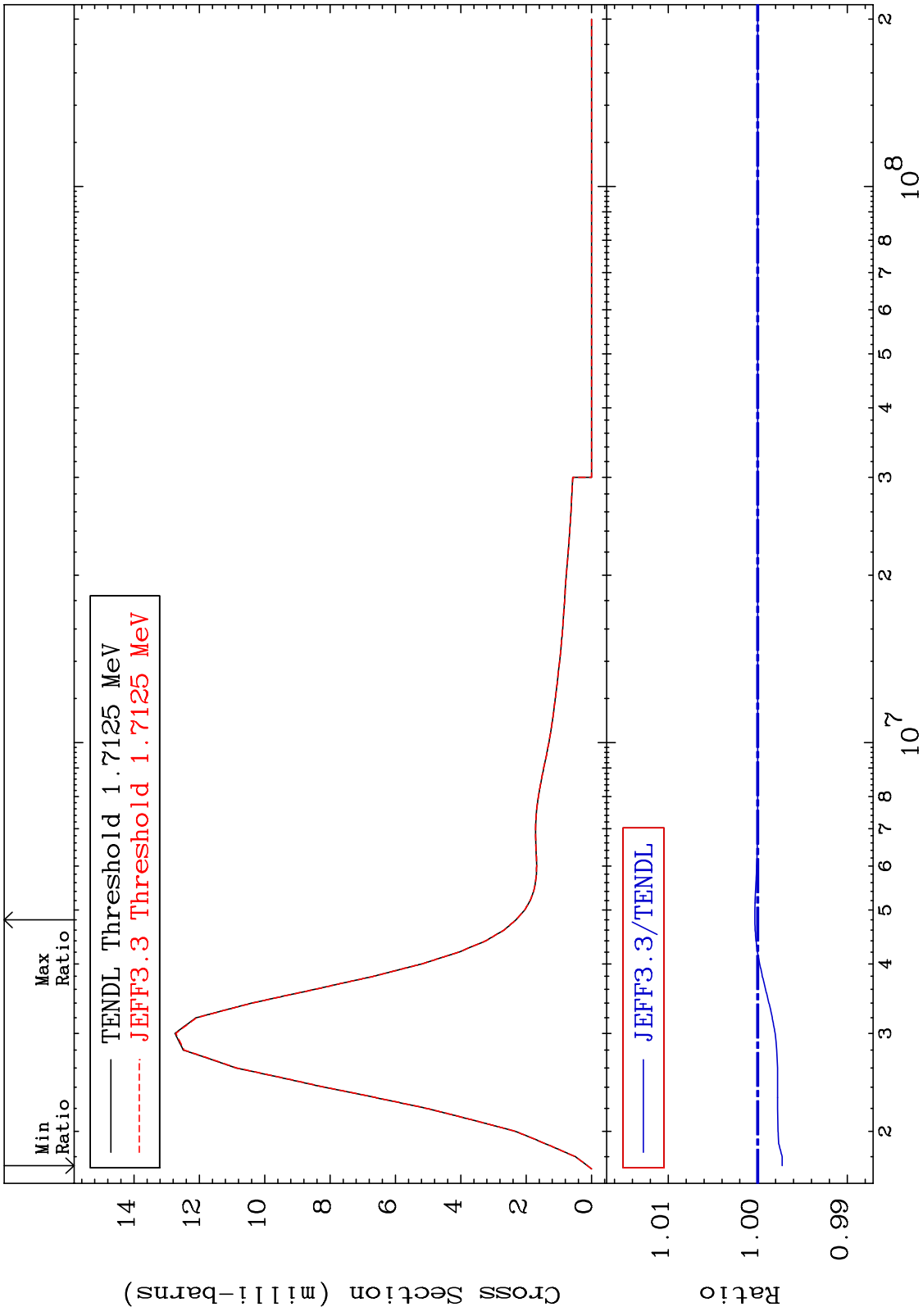
MAT 7425 MT= 76 (n,n') Level Cross Section 74-W -180  
 -0.161 To 0.722 %



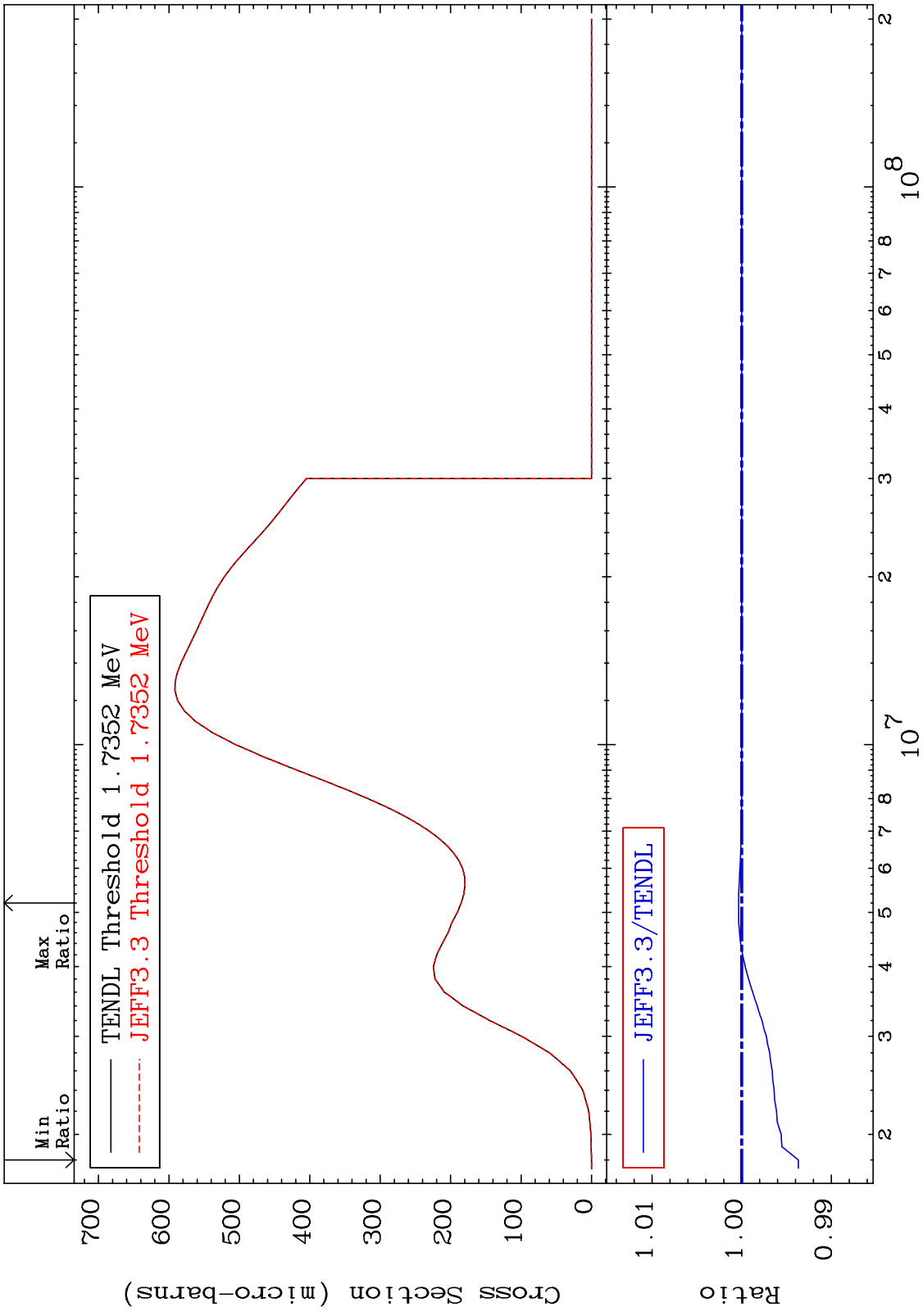
MAT 7425 MT= 77 (n, n') Level Cross Section 74-W -180  
 -0.133 To 0.722 %



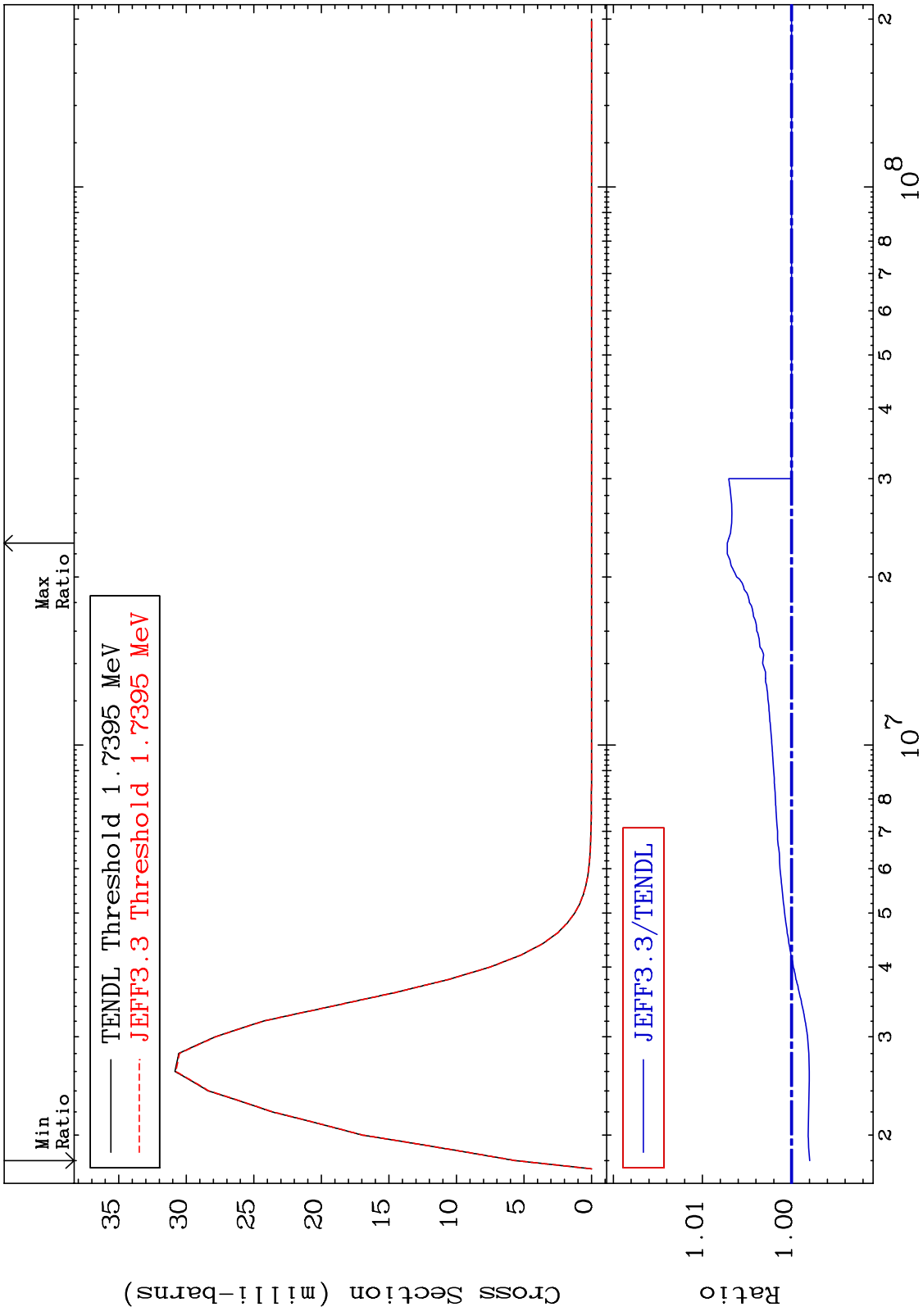
MAT 7425 MT= 78 (n,n') Level Cross Section 74-W -180  
 -0.272 To 0.033 %



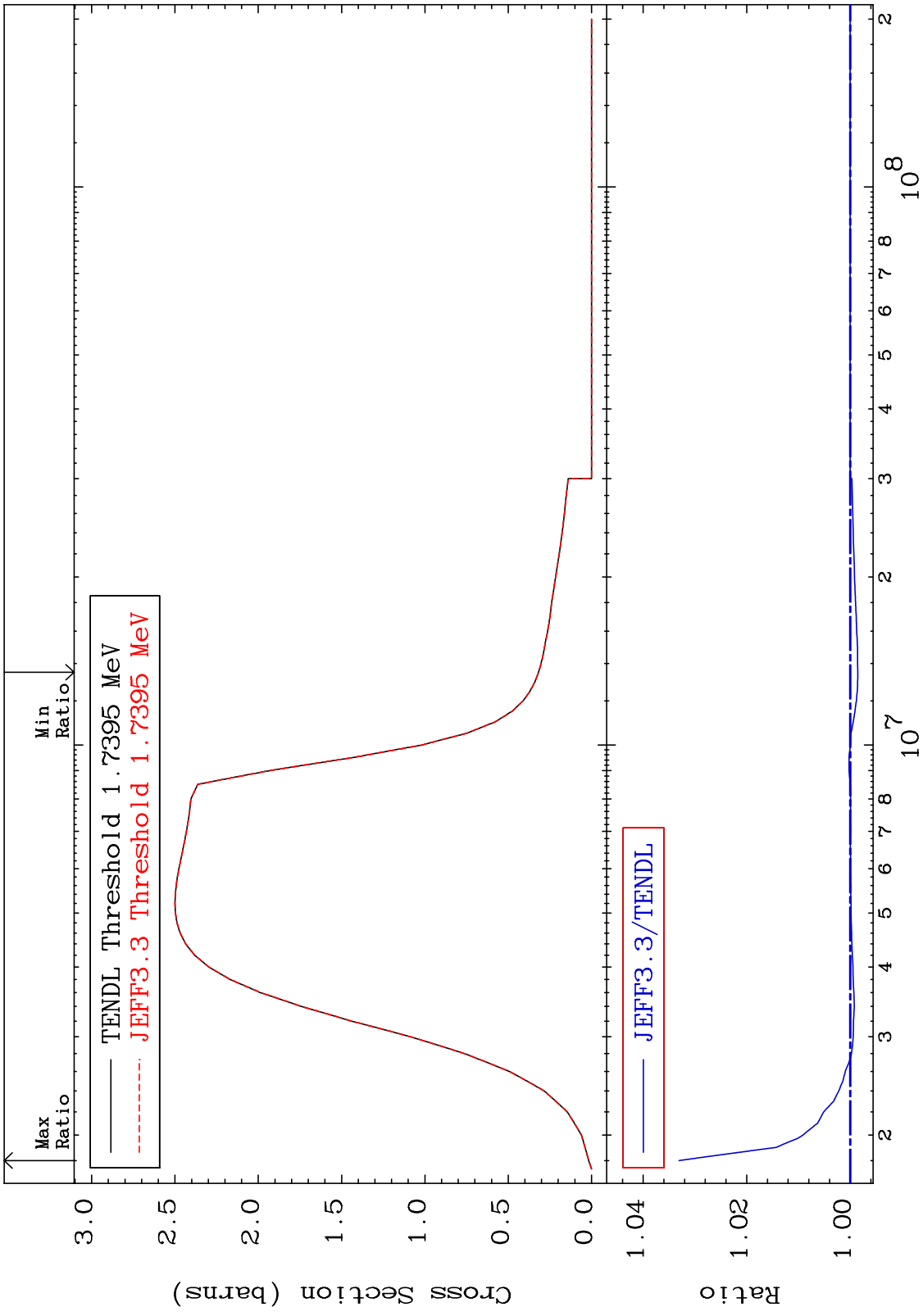
MAT 7425 MT= 79 (n,n') Level Cross Section 74-W -180 -0.631 To 0.036 %



MAT 7425 MT= 80 (n,n') Level Cross Section 74-W -180 -0.202 To 0.722 %

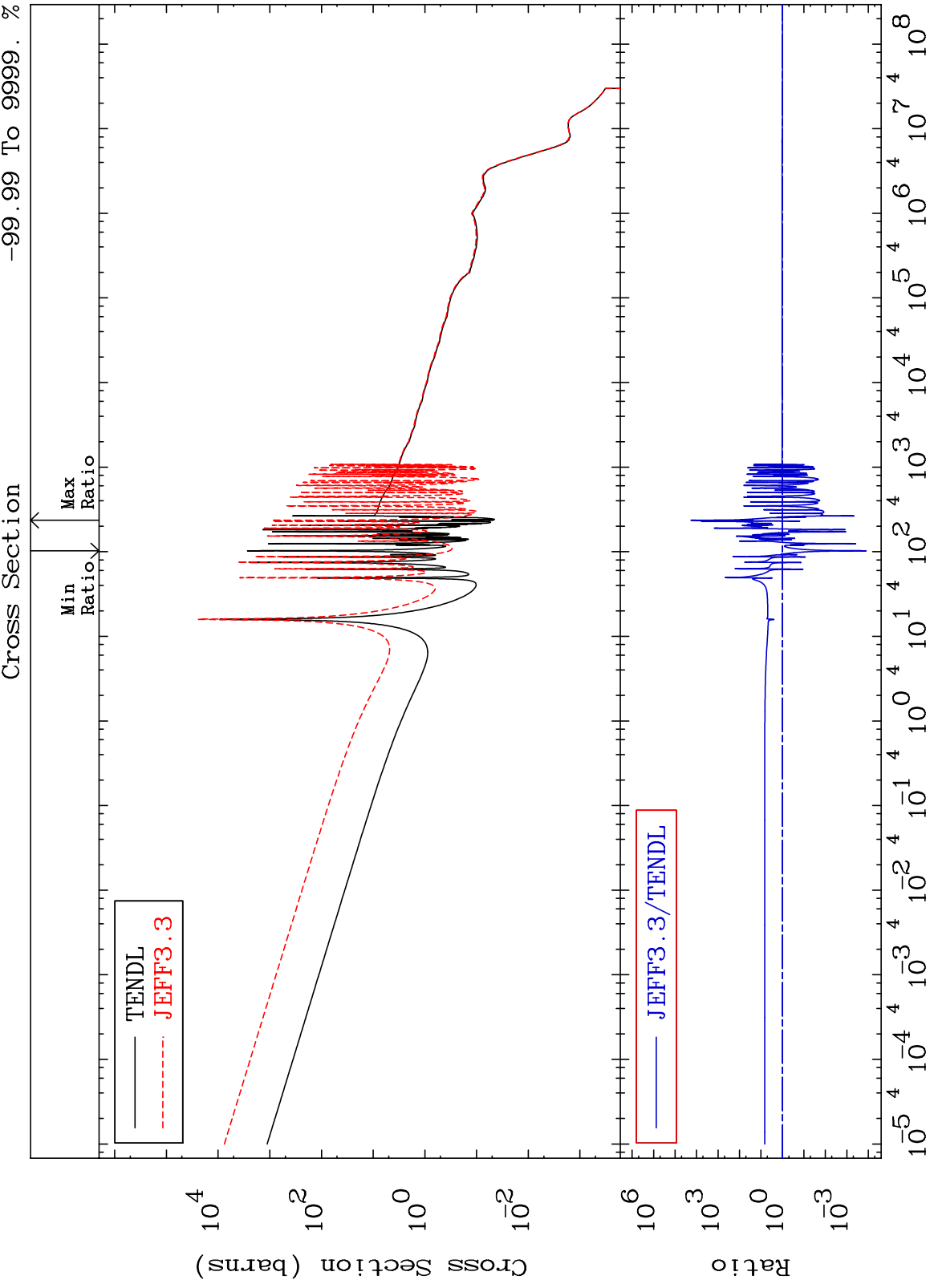


MAT 7425 (n,n') Continuum Cross Section 74-W -180  
 -0.148 To 3.307 %



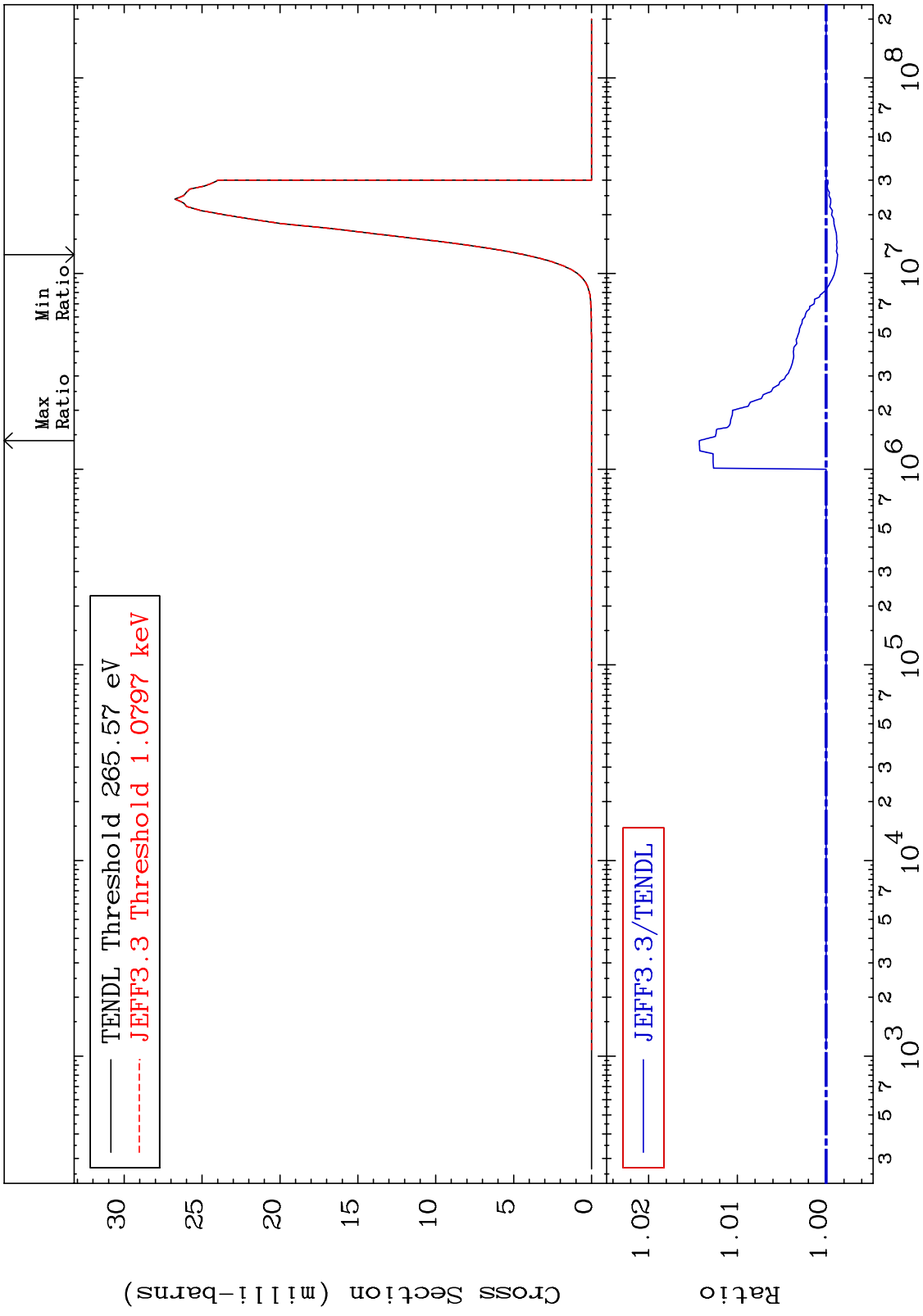
50 74-W -180

MAT 7425 (n,  $\gamma$ ) 74-W -180 -99.99 To 9999. %

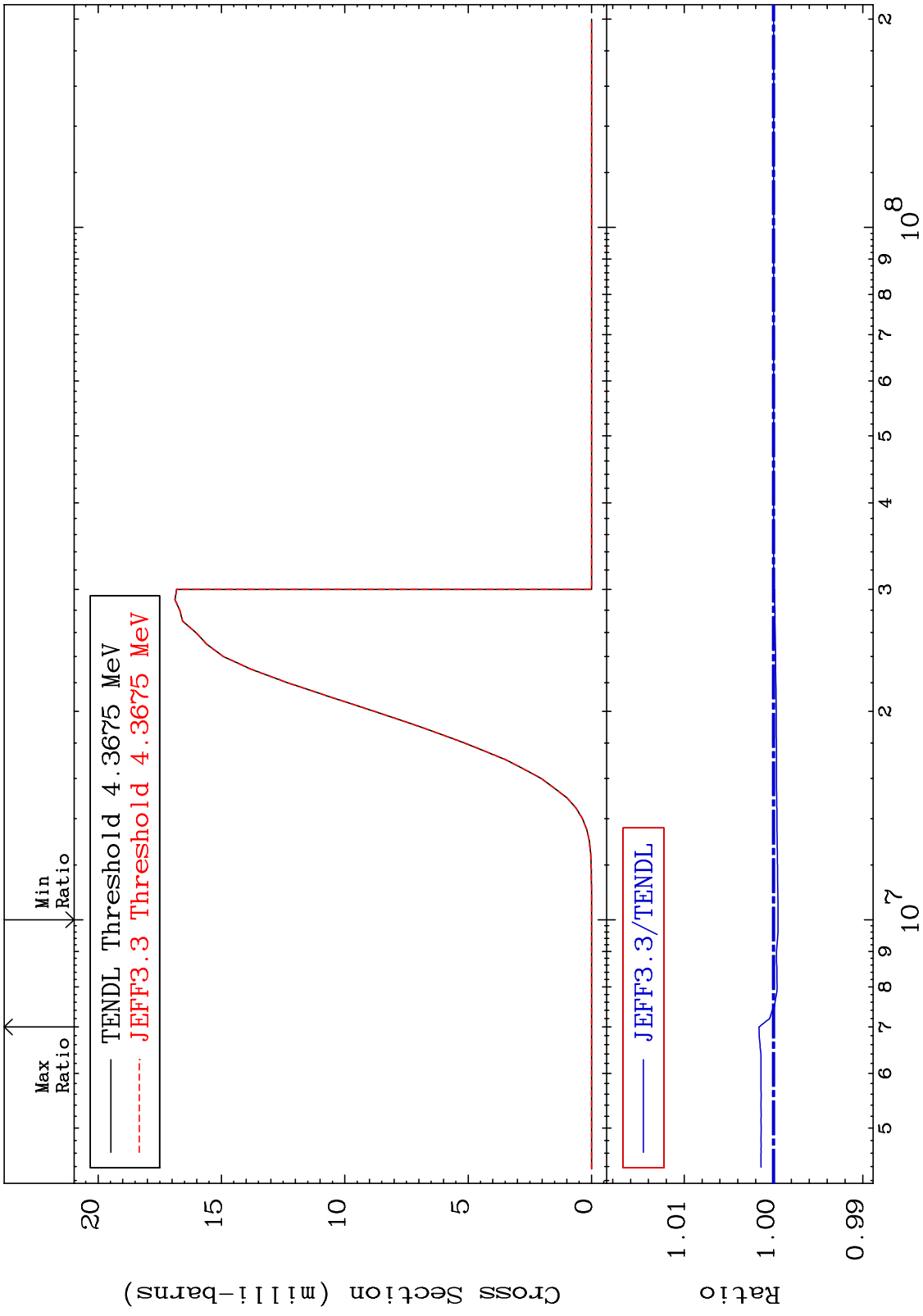


Incident Energy (eV) 74-W -180

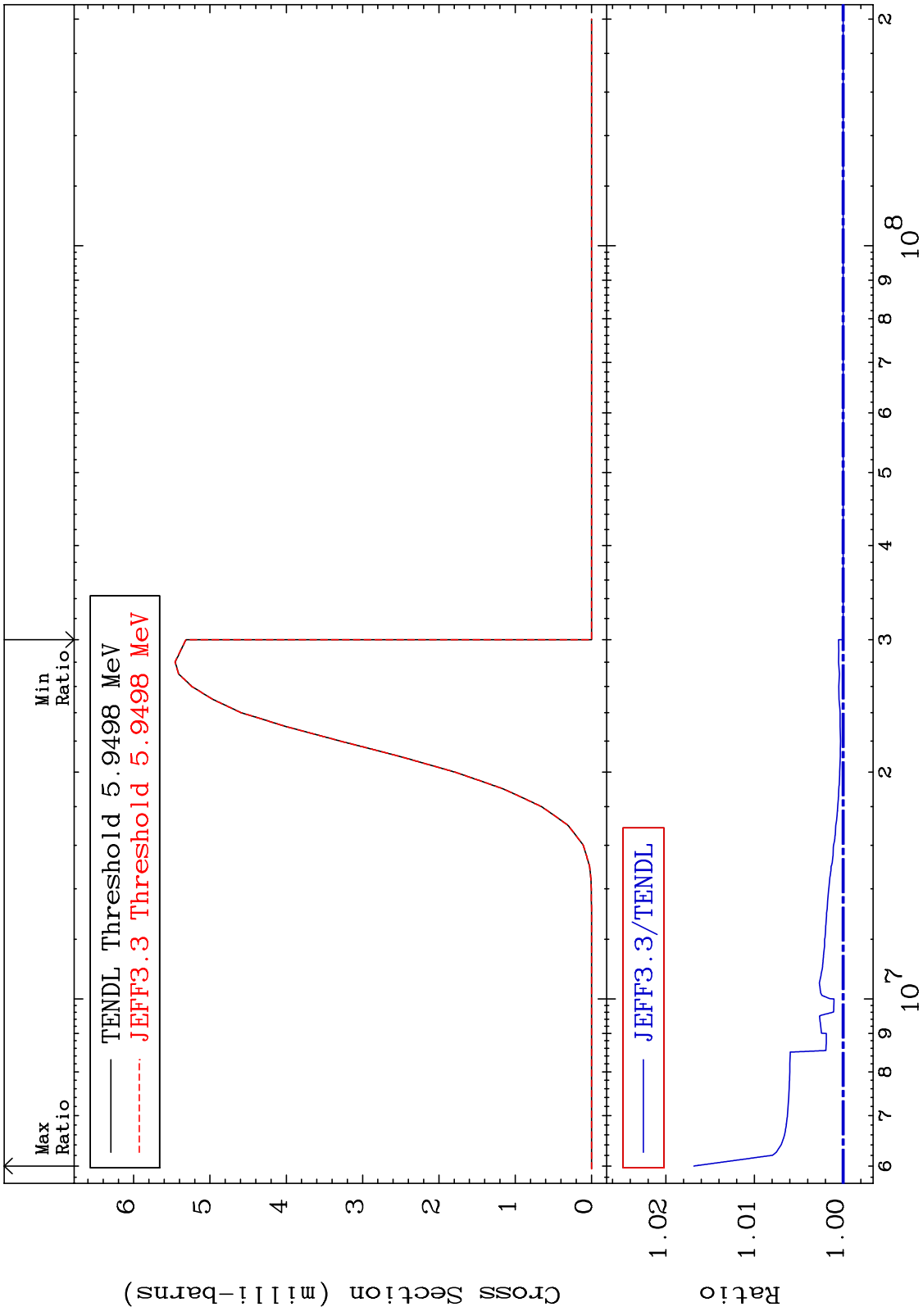
MAT 7425 (n,p) Cross Section 74-W -180 -0.129 To 1.429 %



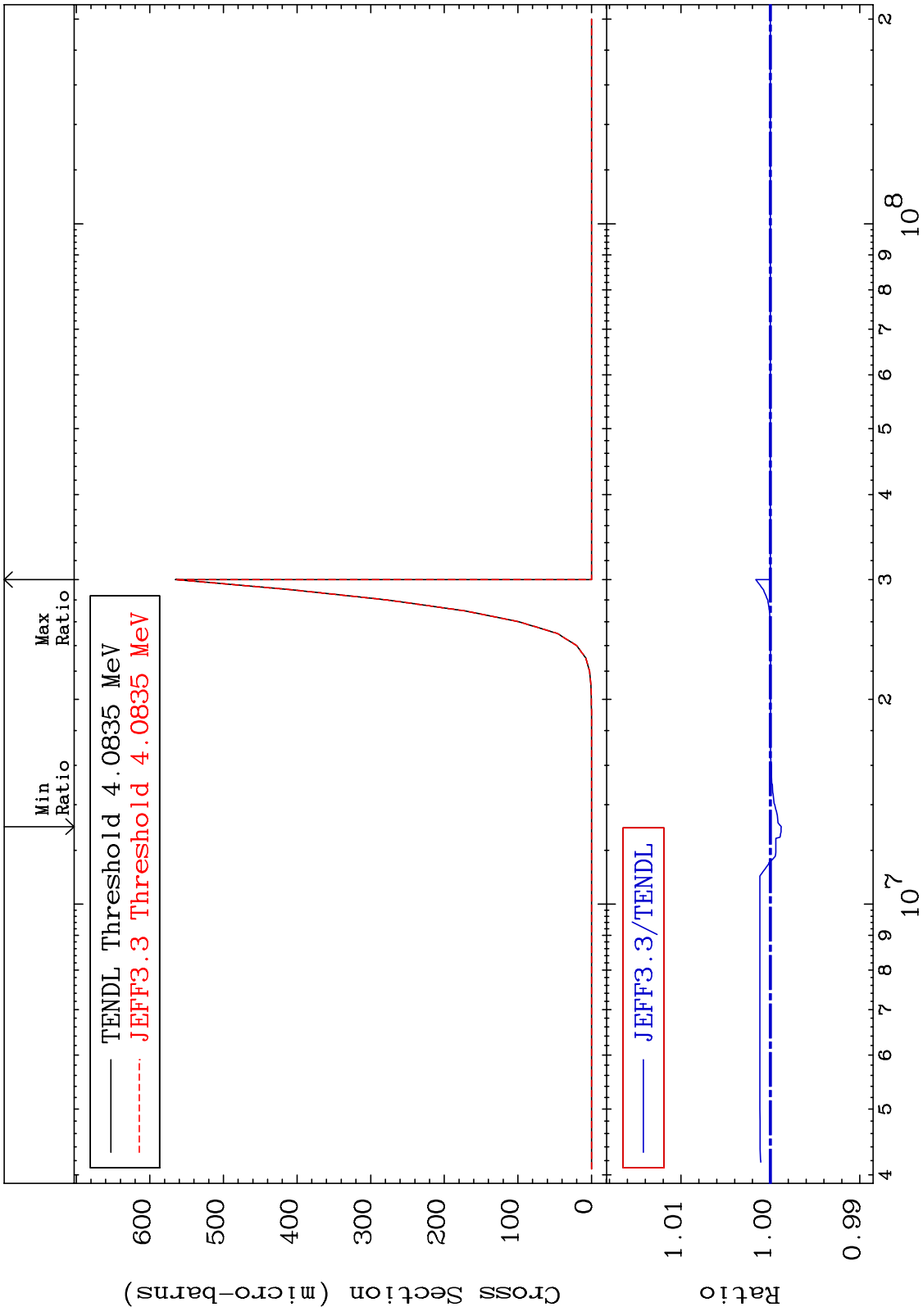
MAT 7425 (n,d) Cross Section 74-W -180 -0.050 To 0.164 %



MAT 7425 (n,t) Cross Section 74-W -180 To 1.684 %

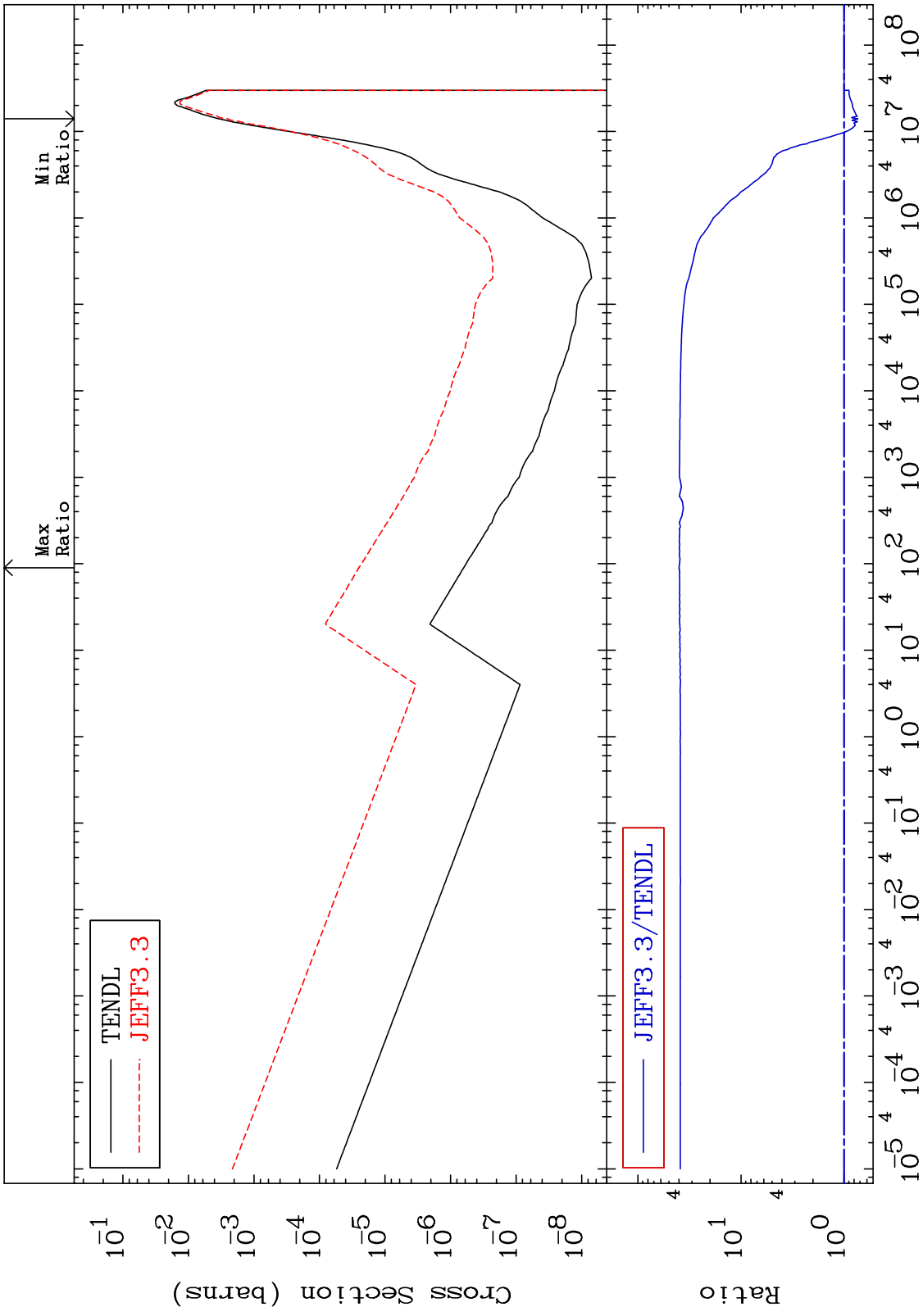


MAT 7425 (n, He-3) Cross Section 74-W -180 -0.121 To 0.164 %



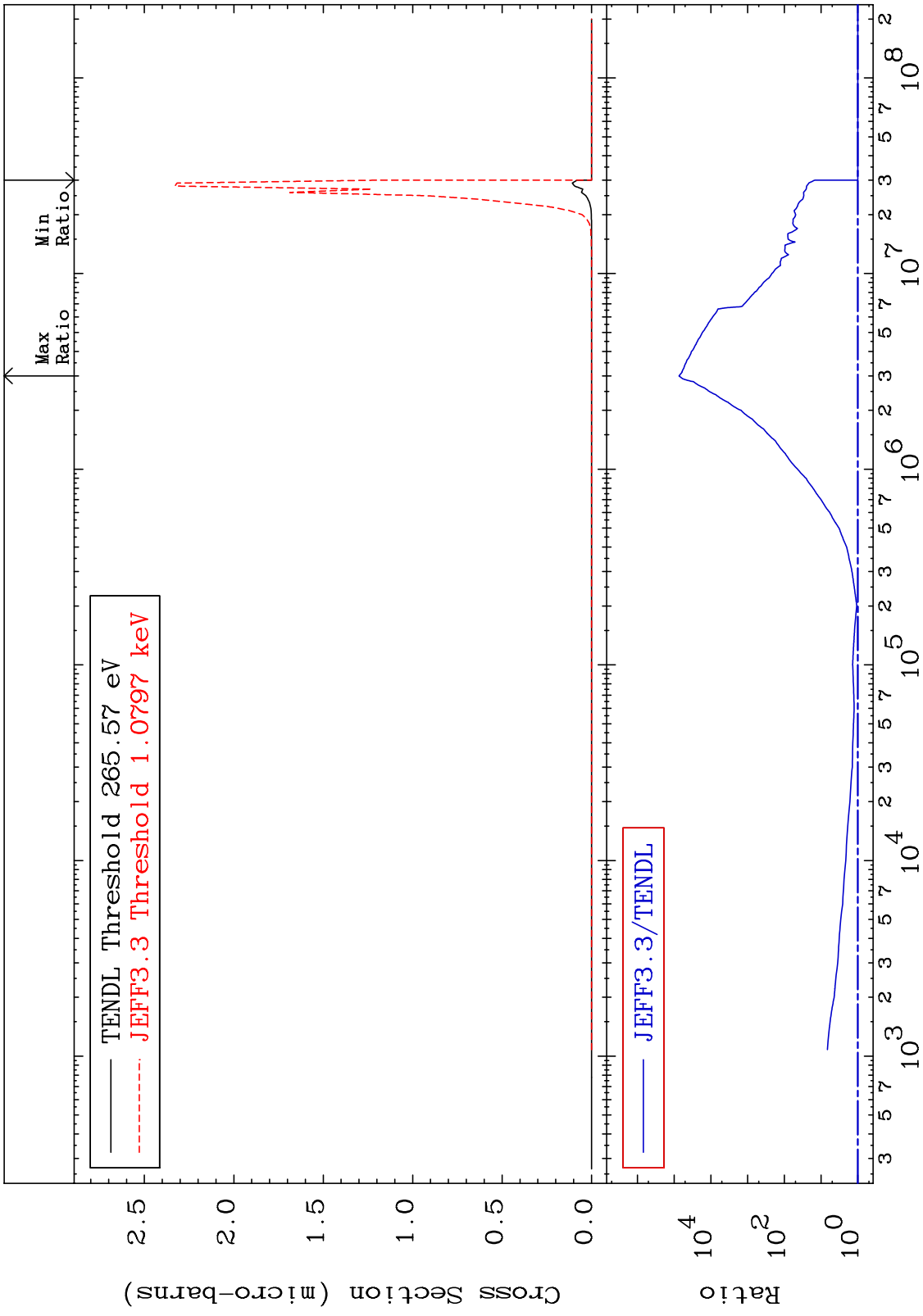
55 Incident Energy (eV) 74-W -180

MAT 7425 (n,α) Cross Section 74-W -180 -26.47 To 3887. %



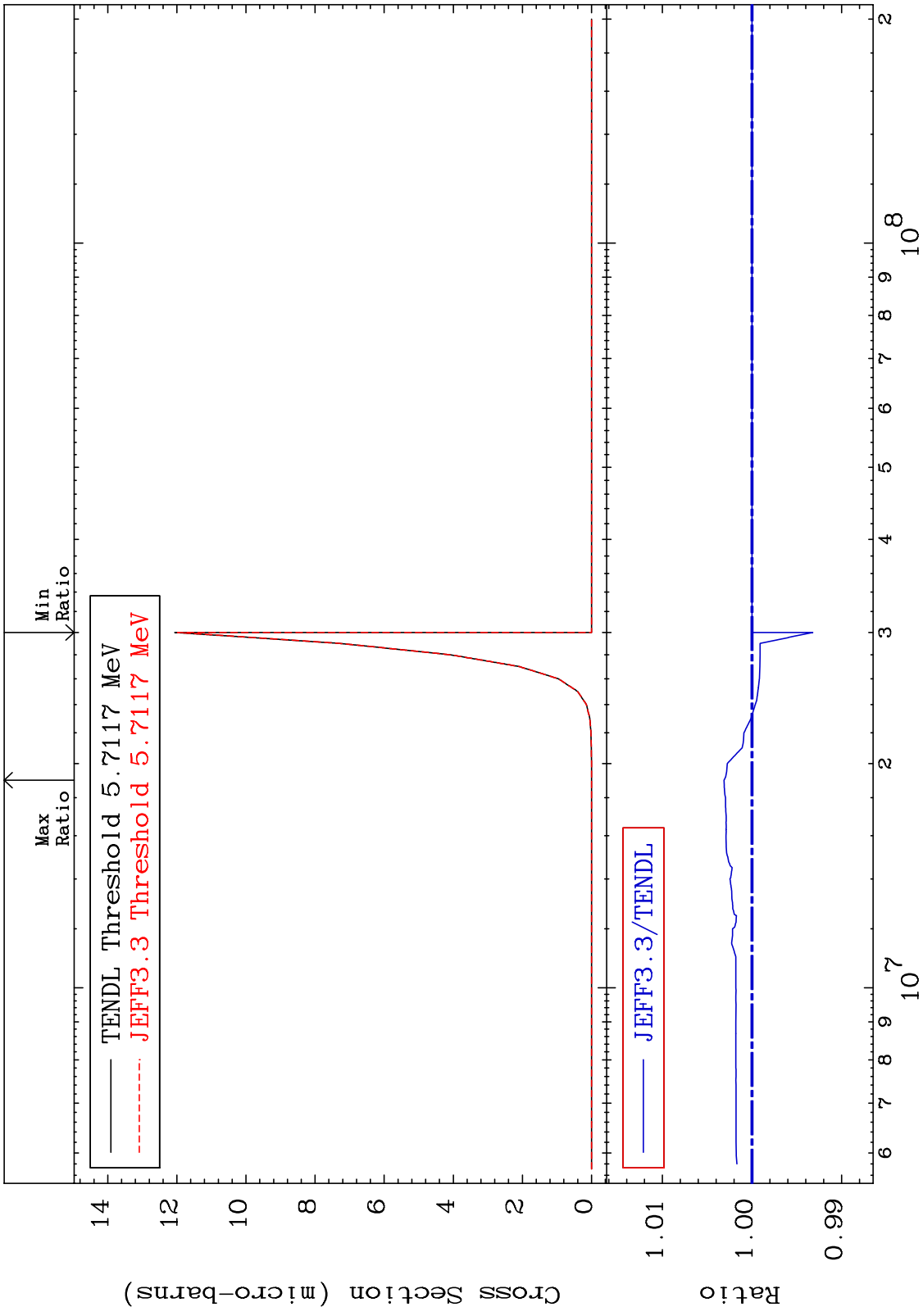
Incident Energy (eV) 74-W -180

MAT 7425 (n,2α) Cross Section 74-W -180 To 9999. %



57 74-W -180

MAT 7425 (n,2p) Cross Section 74-W -180  
 -0.679 To 0.312 %



Incident Energy (eV) 74-W -180

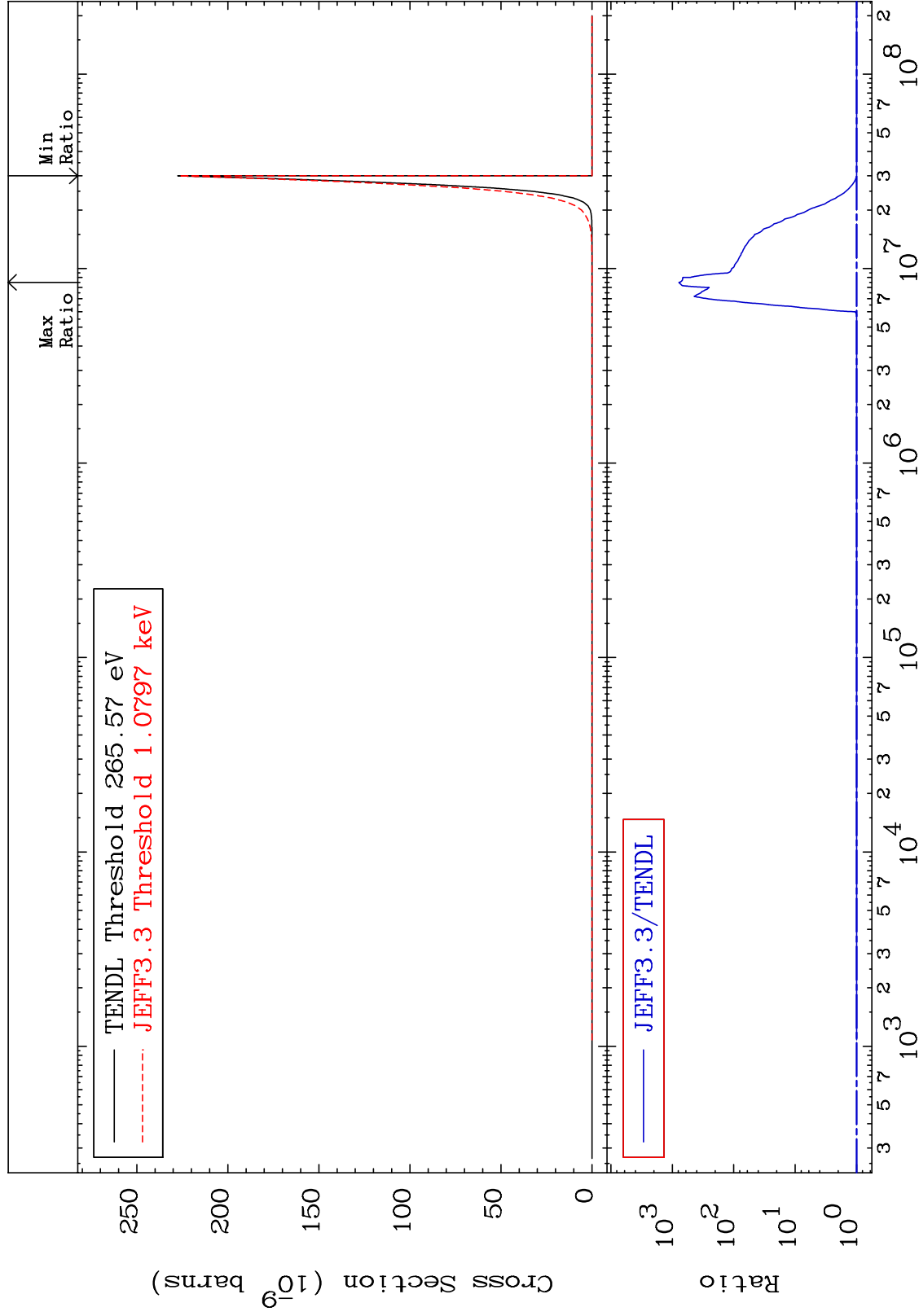
MAT 7425

(n,p)  $\alpha$

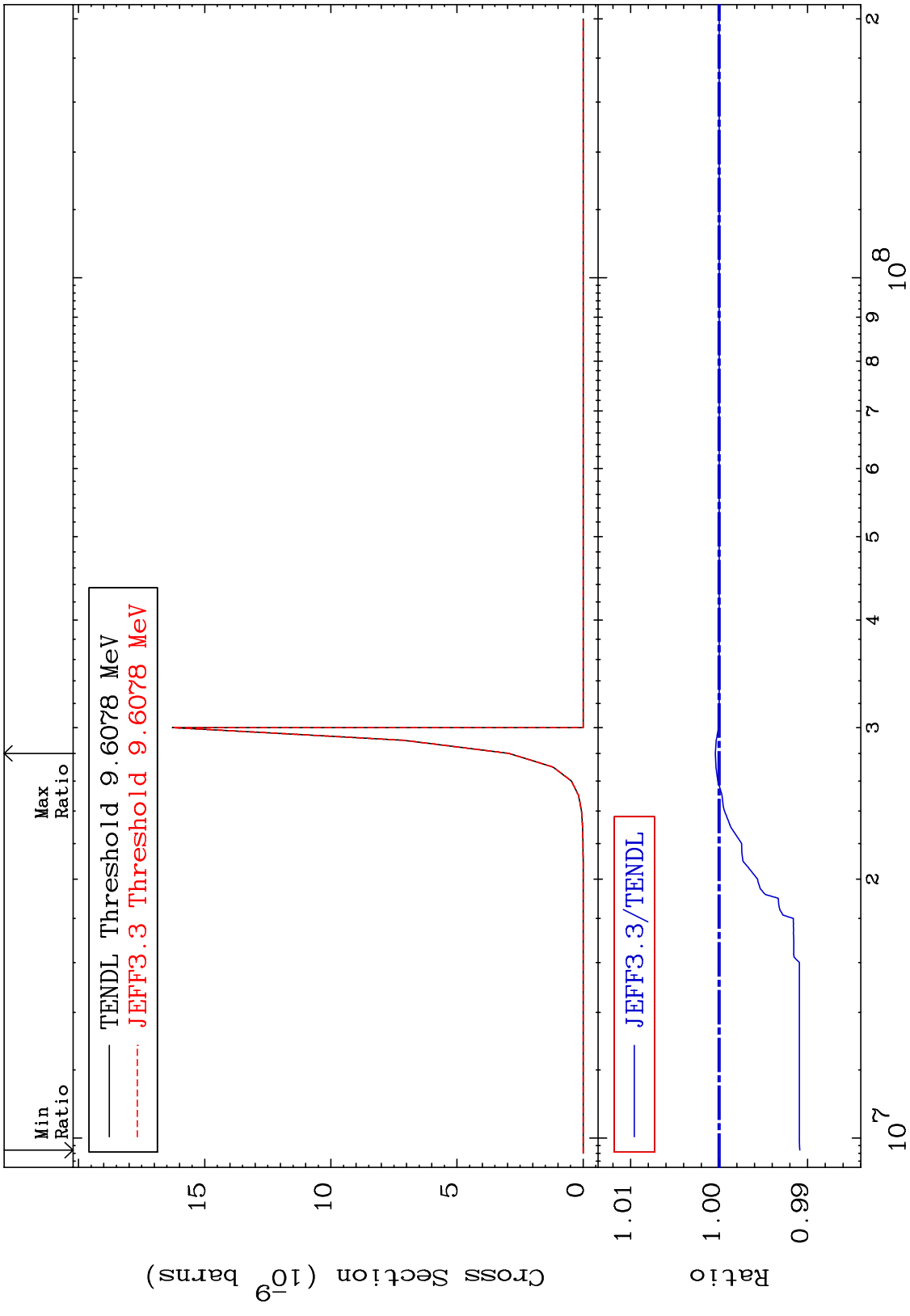
Cross Section

74-W -180

-0.284 To 9999. %

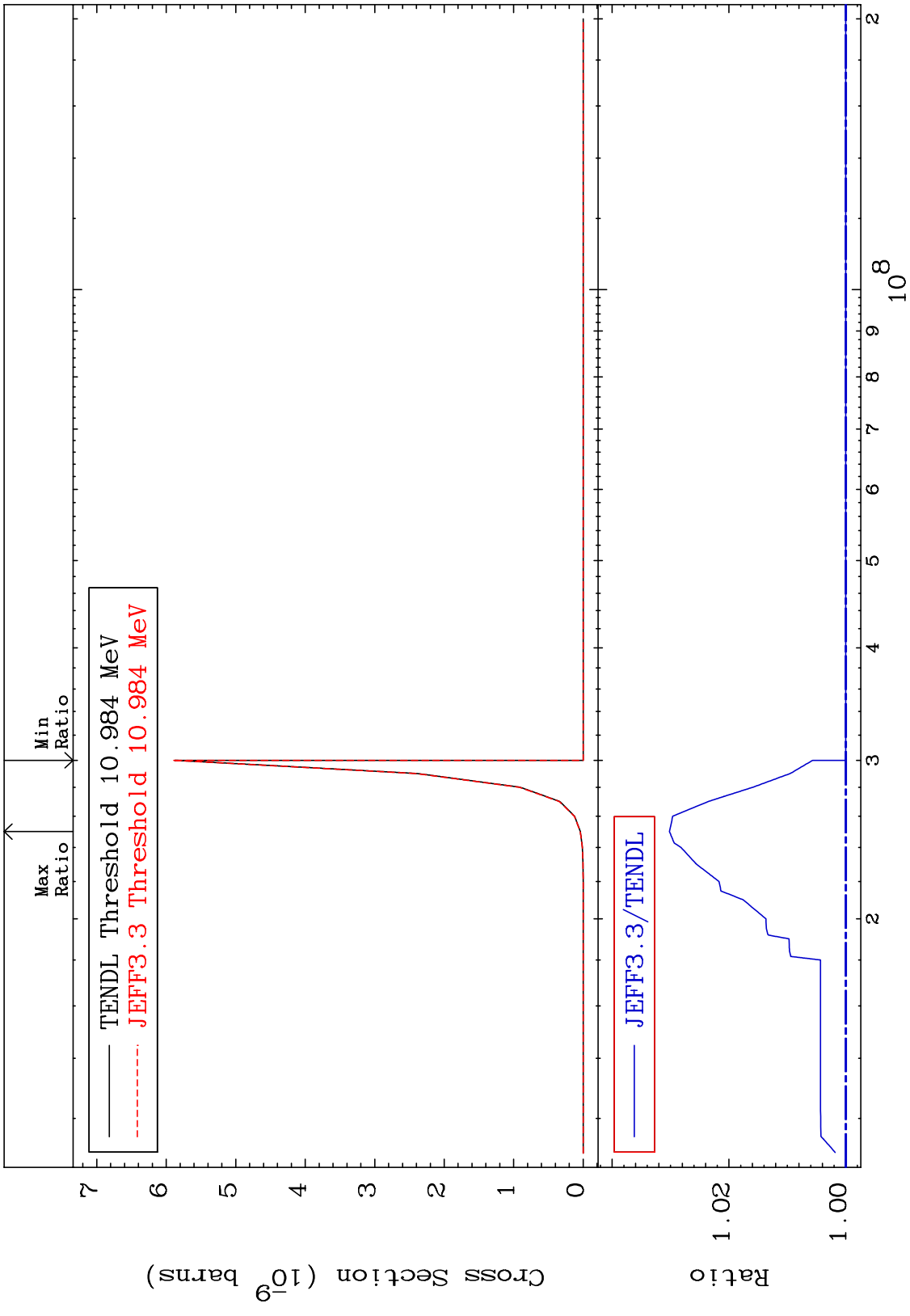


MAT 7425 (n,p) d Cross Section 74-W -180 -0.912 To 0.042 %

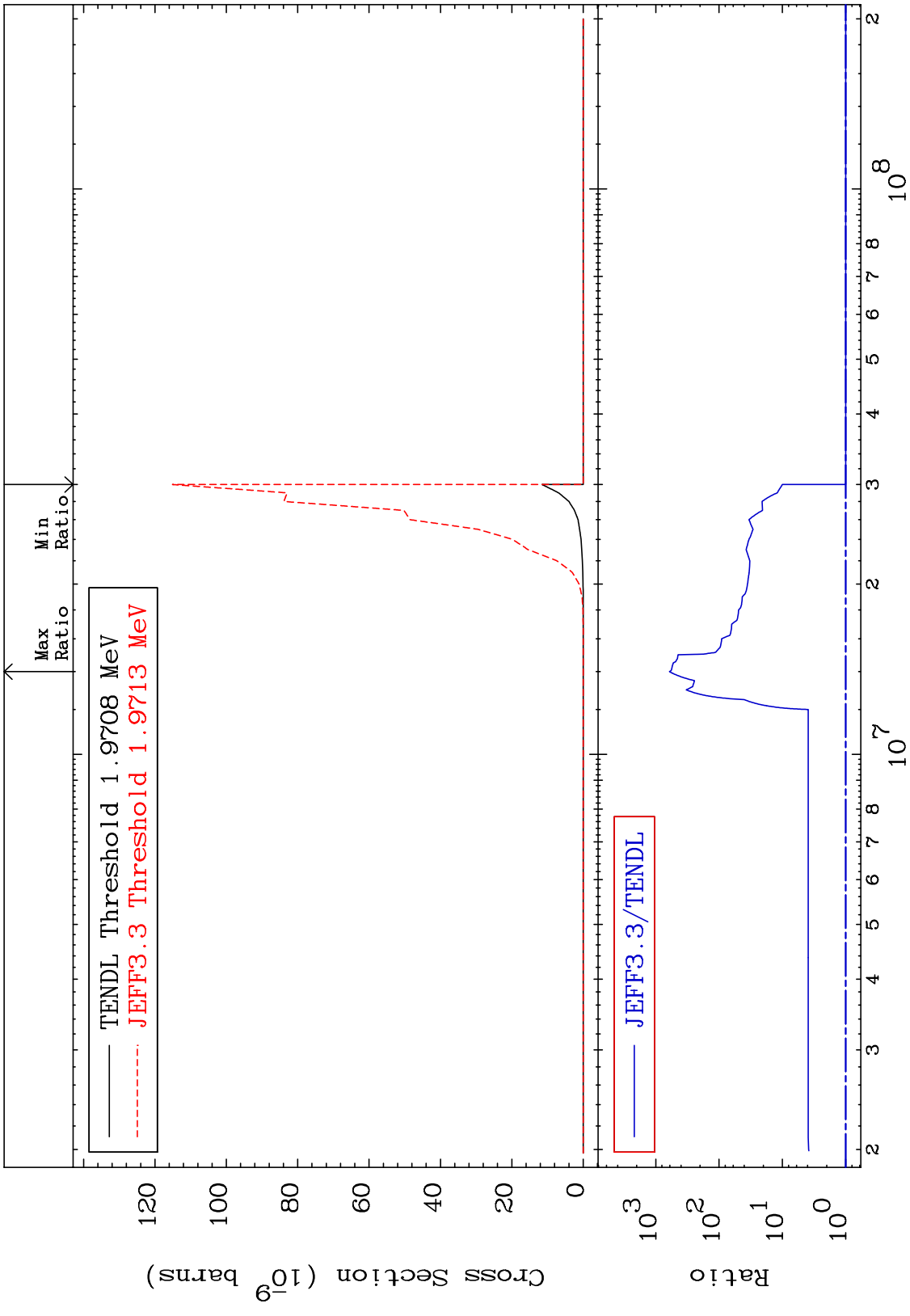


60 Incident Energy (eV) 74-W -180

MAT 7425 (n,p) t 74-W -180  
 Cross Section 0.000 To 3.019 %



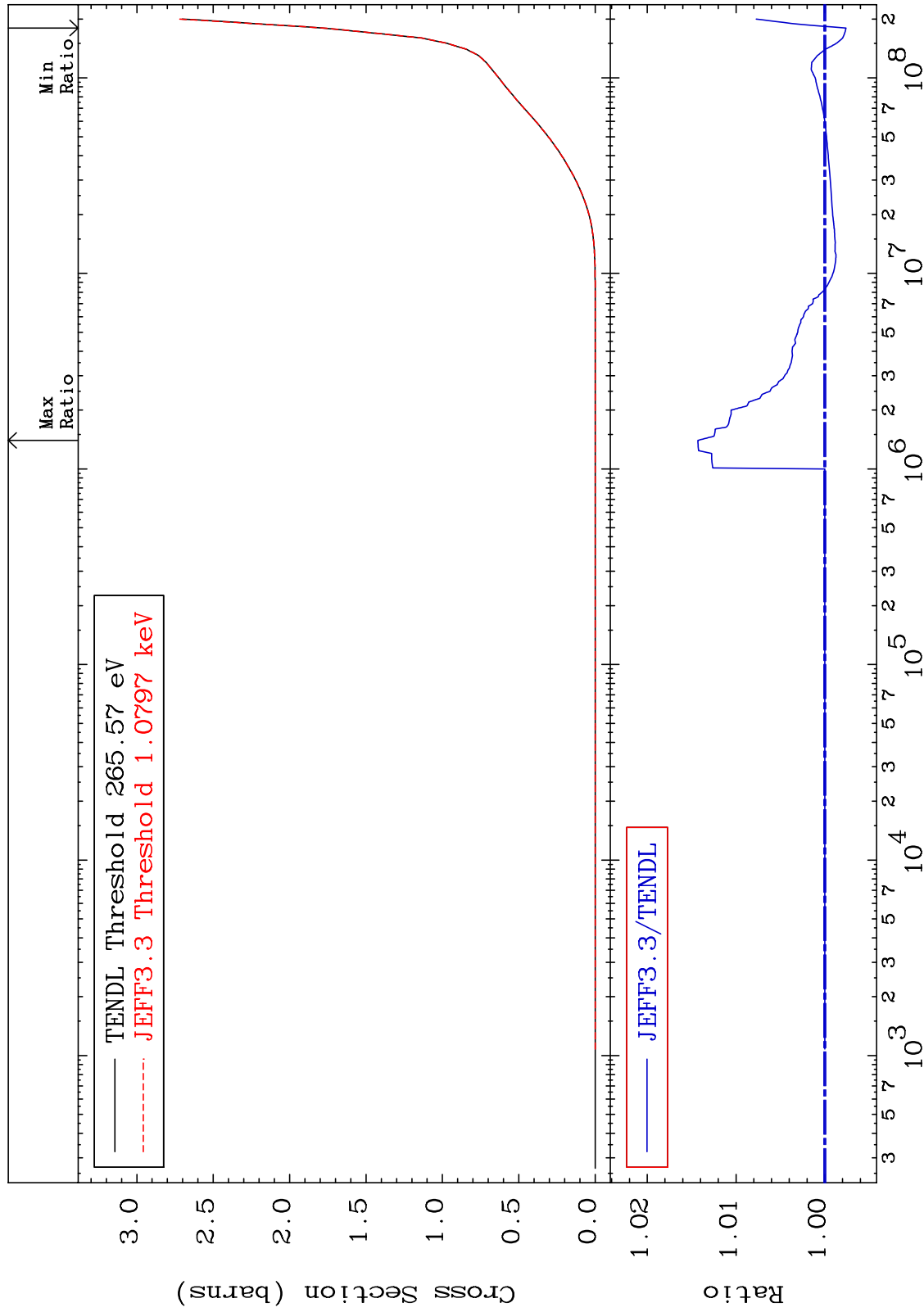
MAT 7425 (n,d)  $\alpha$  74-W -180  
 Cross Section 0.000 To 9999. %



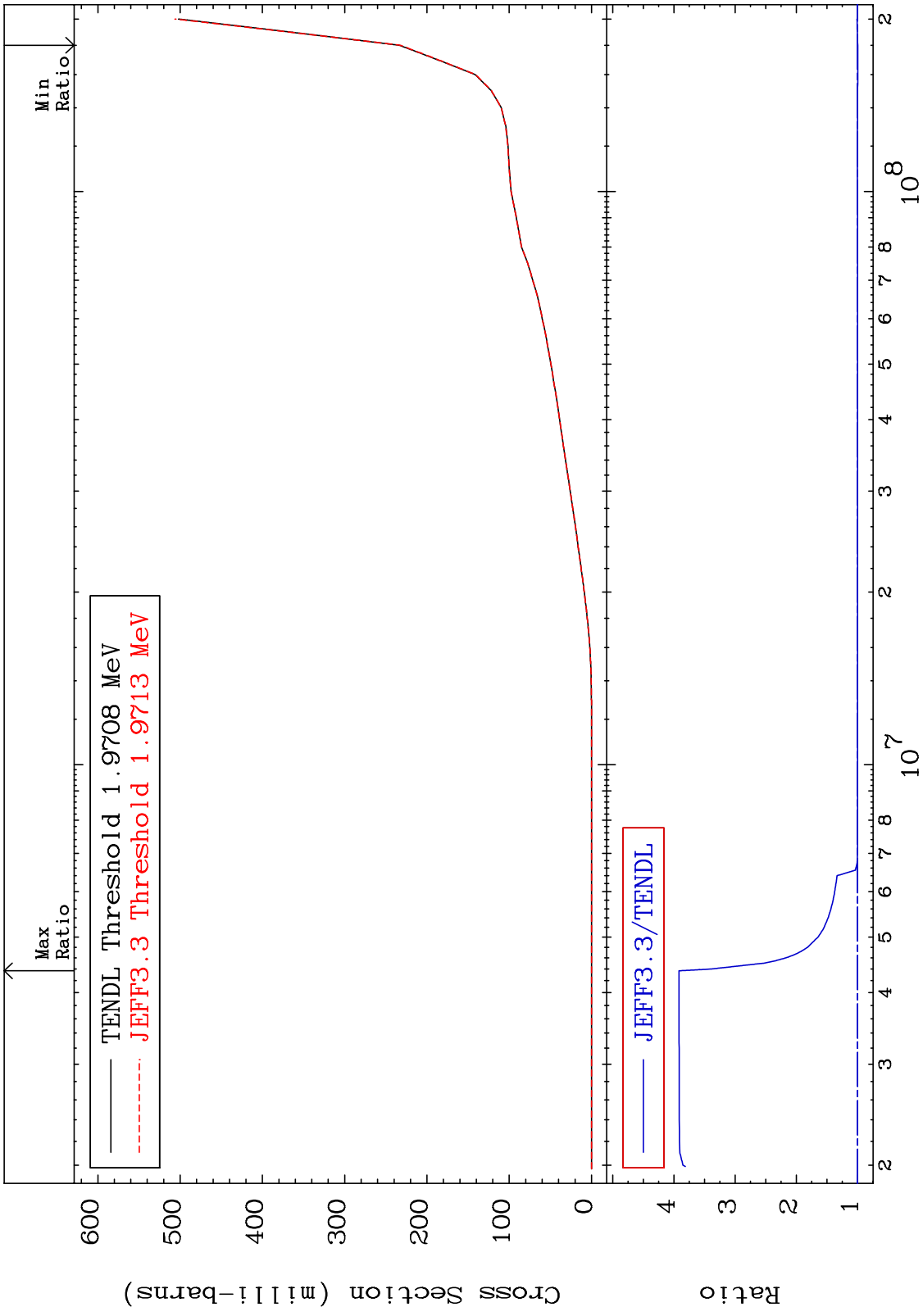
MAT 7425

### Hydrogen Production Cross Section

74-W -180  
-0.239 To 1.429 %

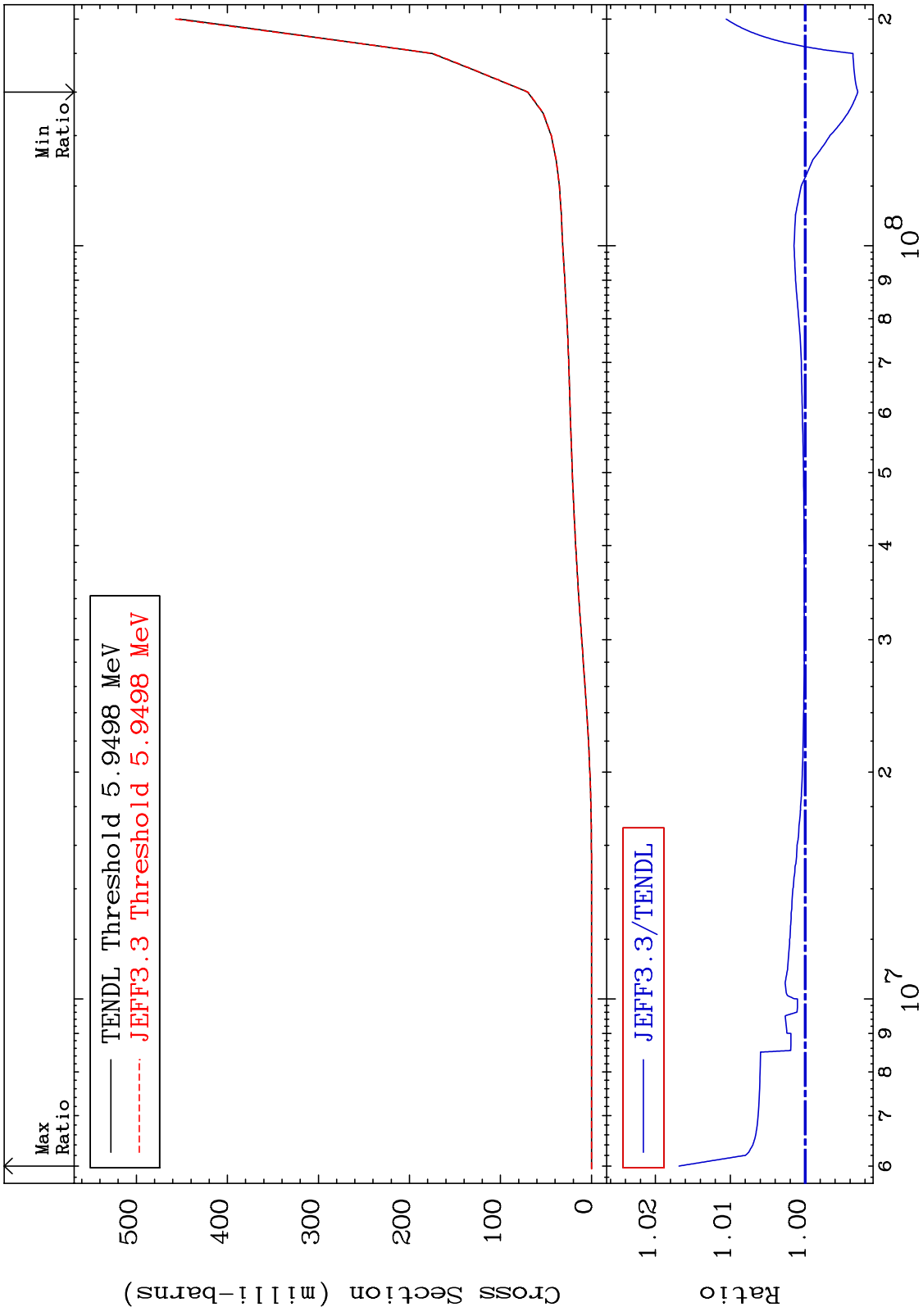


MAT 7425 Deuterium Production Cross Section 74-W -180 -0.494 To 291.5 %



64 74-W -180

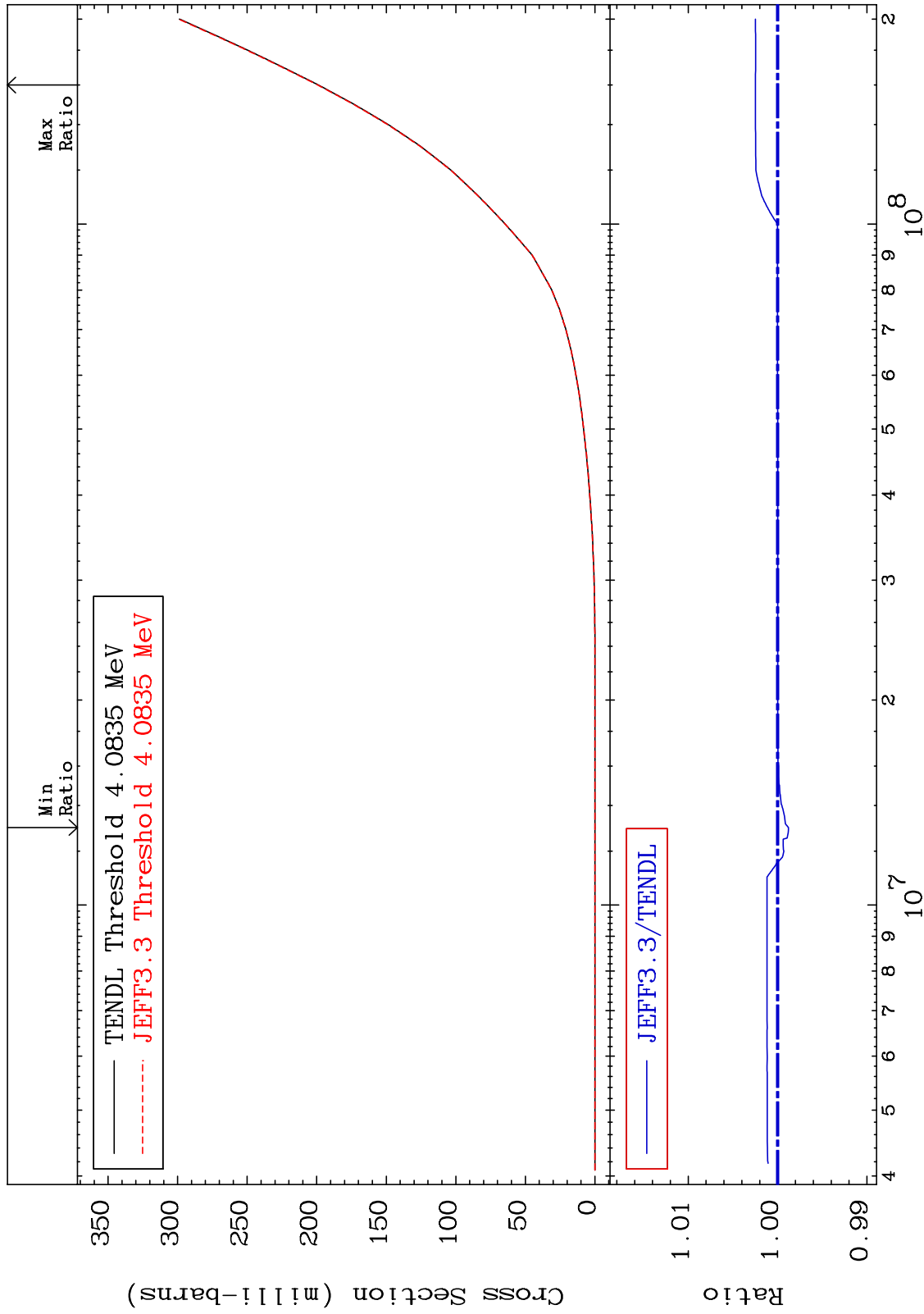
MAT 7425 Tritium Production Cross Section 74-W -180  
 -0.703 To 1.684 %



MAT 7425

He-3 Production  
Cross Section

74-W -180  
-0.121 To 0.249 %



66

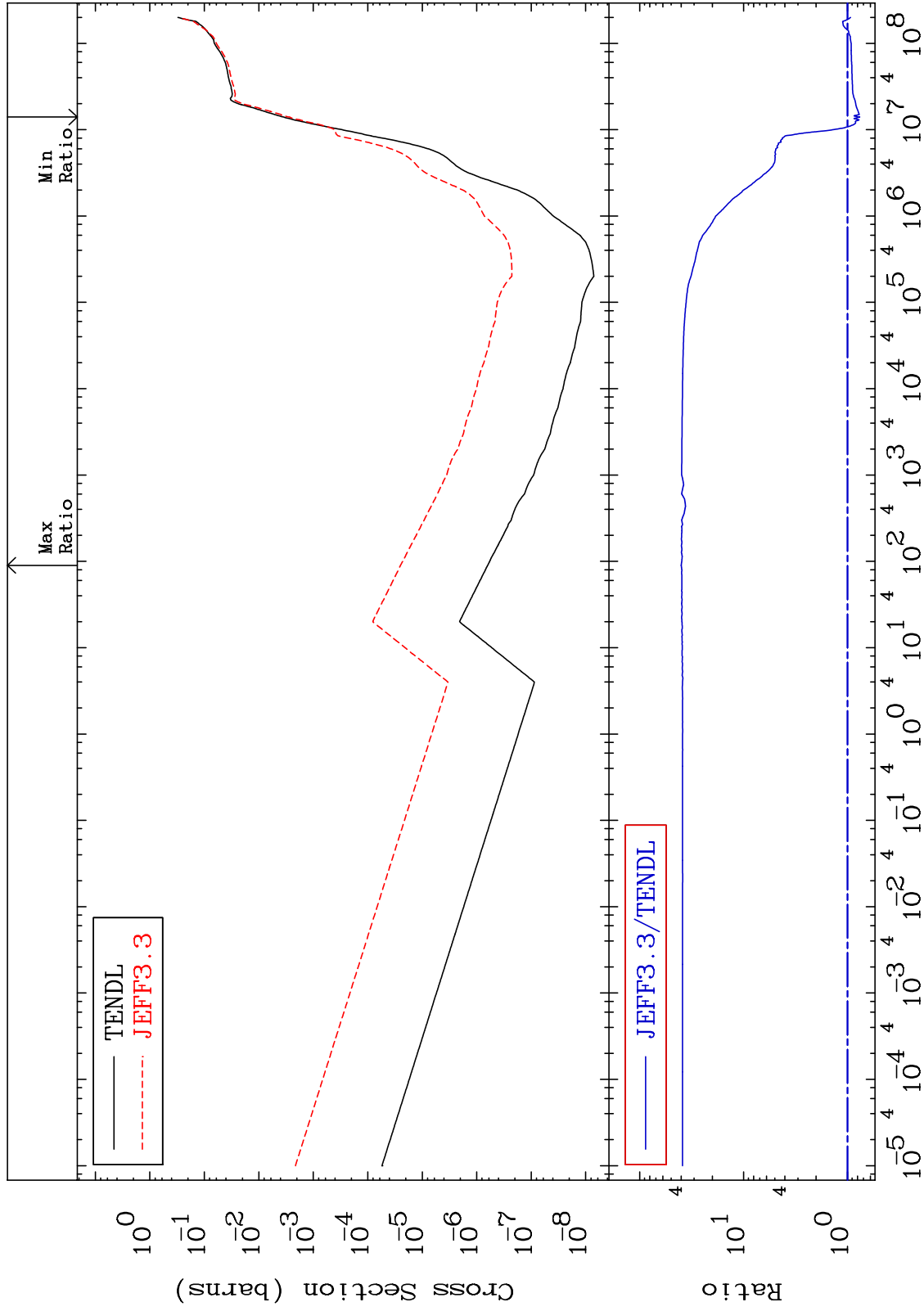
Incident Energy (eV)

74-W -180

MAT 7425

He-4 Production  
Cross Section

74-W -180  
-24.00 To 3887. %

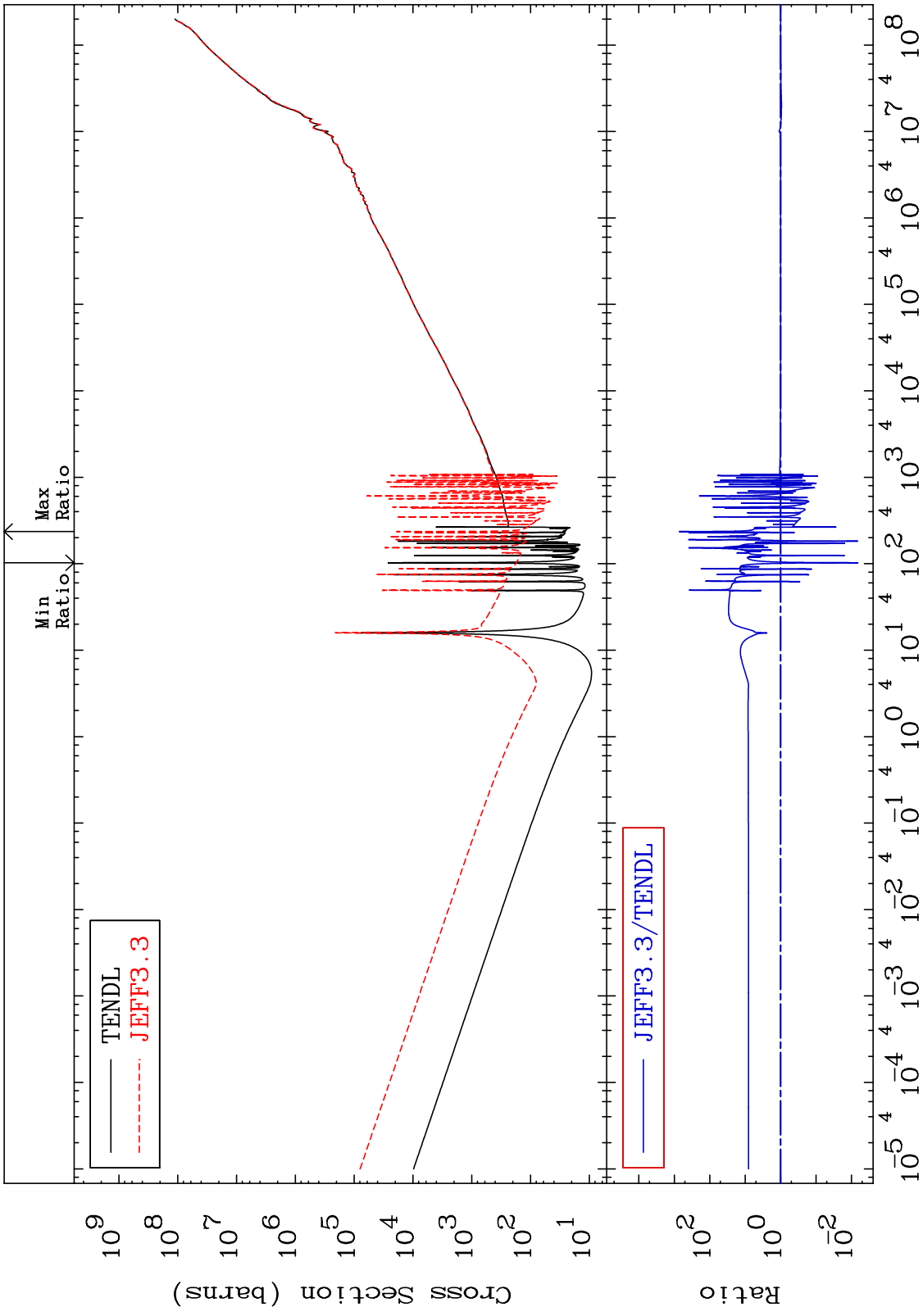


67

Incident Energy (eV)

74-W -180

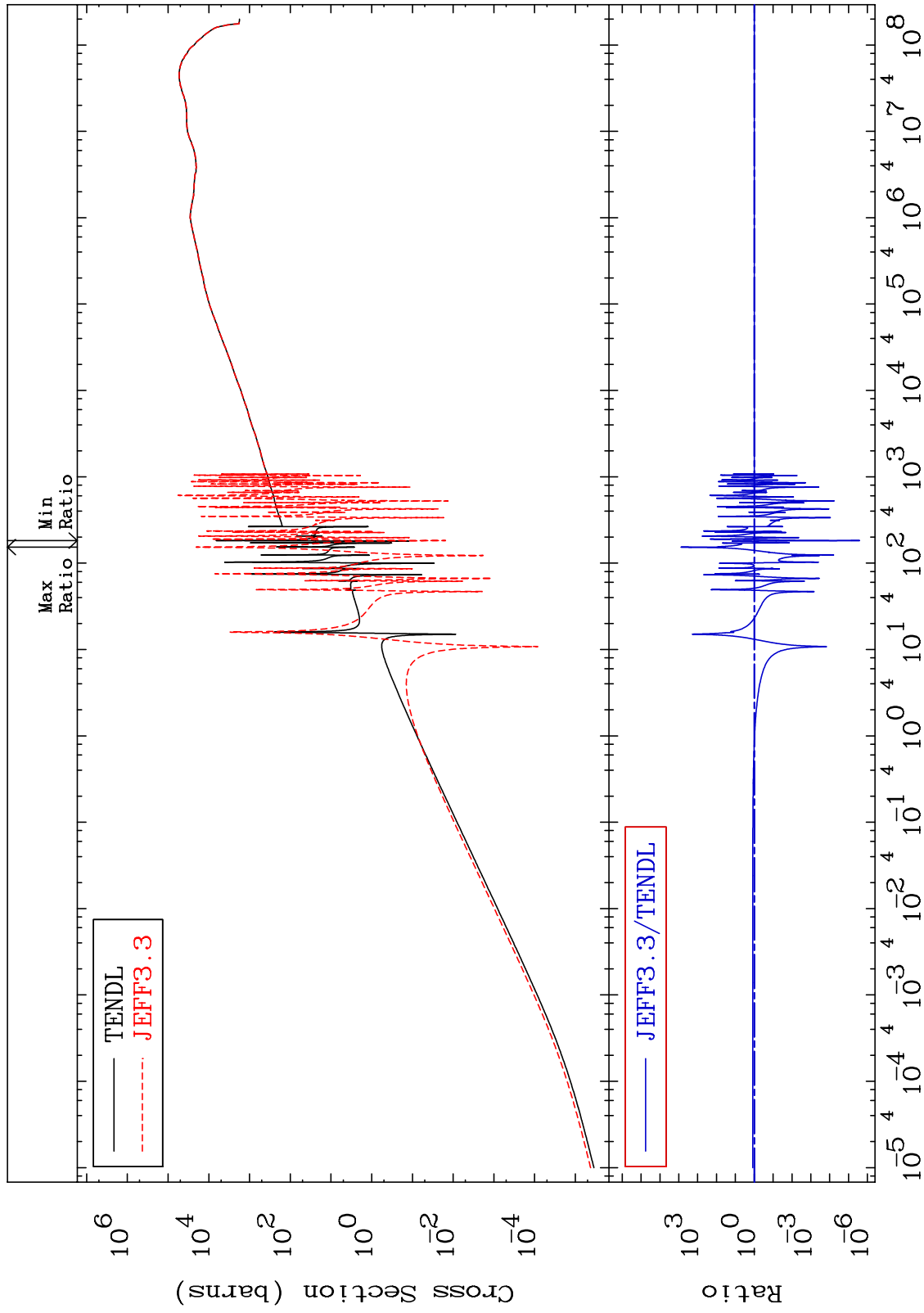
MAT 7425 Kerma total (eV-barns) 74-W -180  
 Cross Section -99.34 To 9999. %



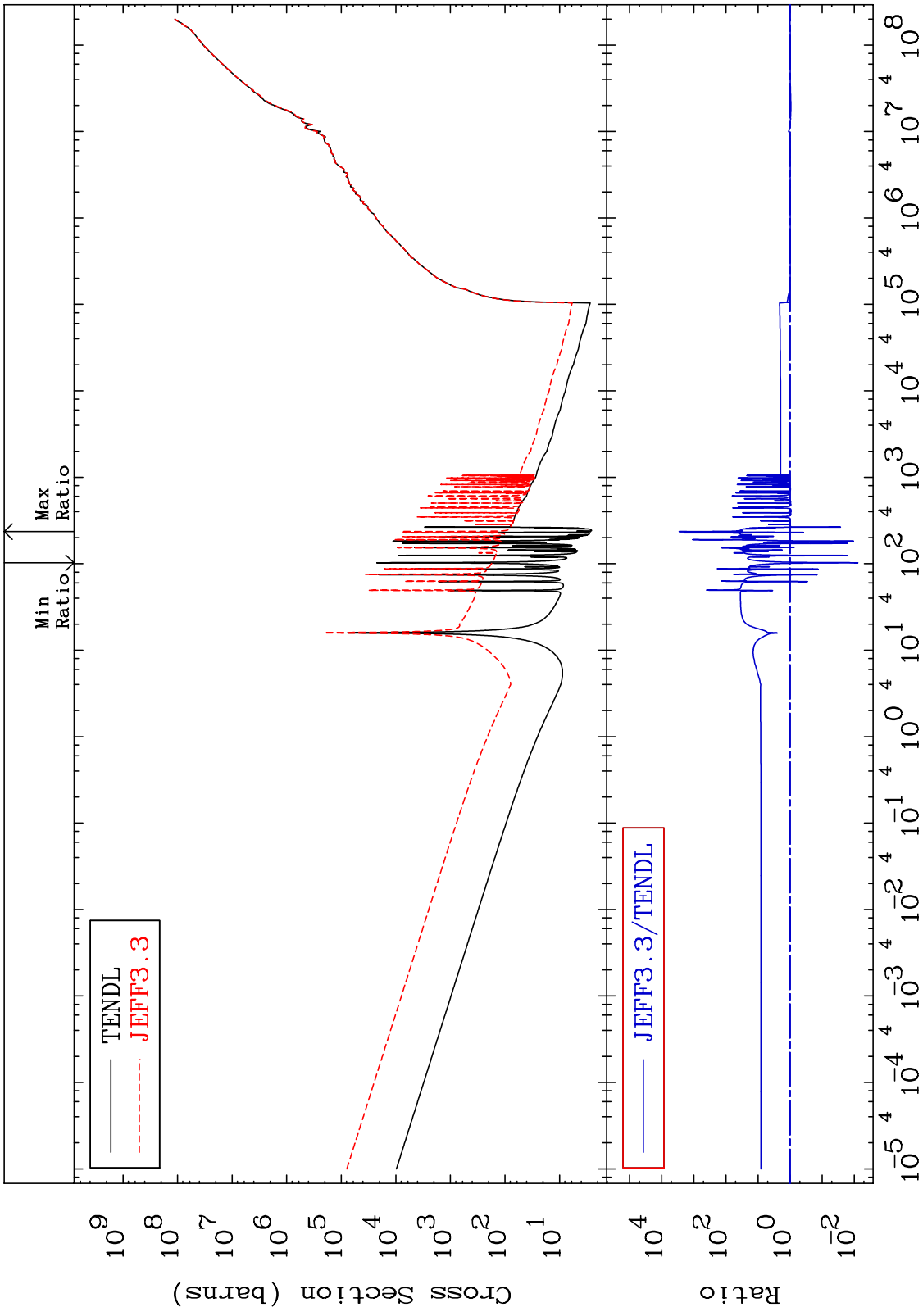
MAT 7425

Kerma elastic  
Cross Section

74-W -180  
-100.0 To 9999. %

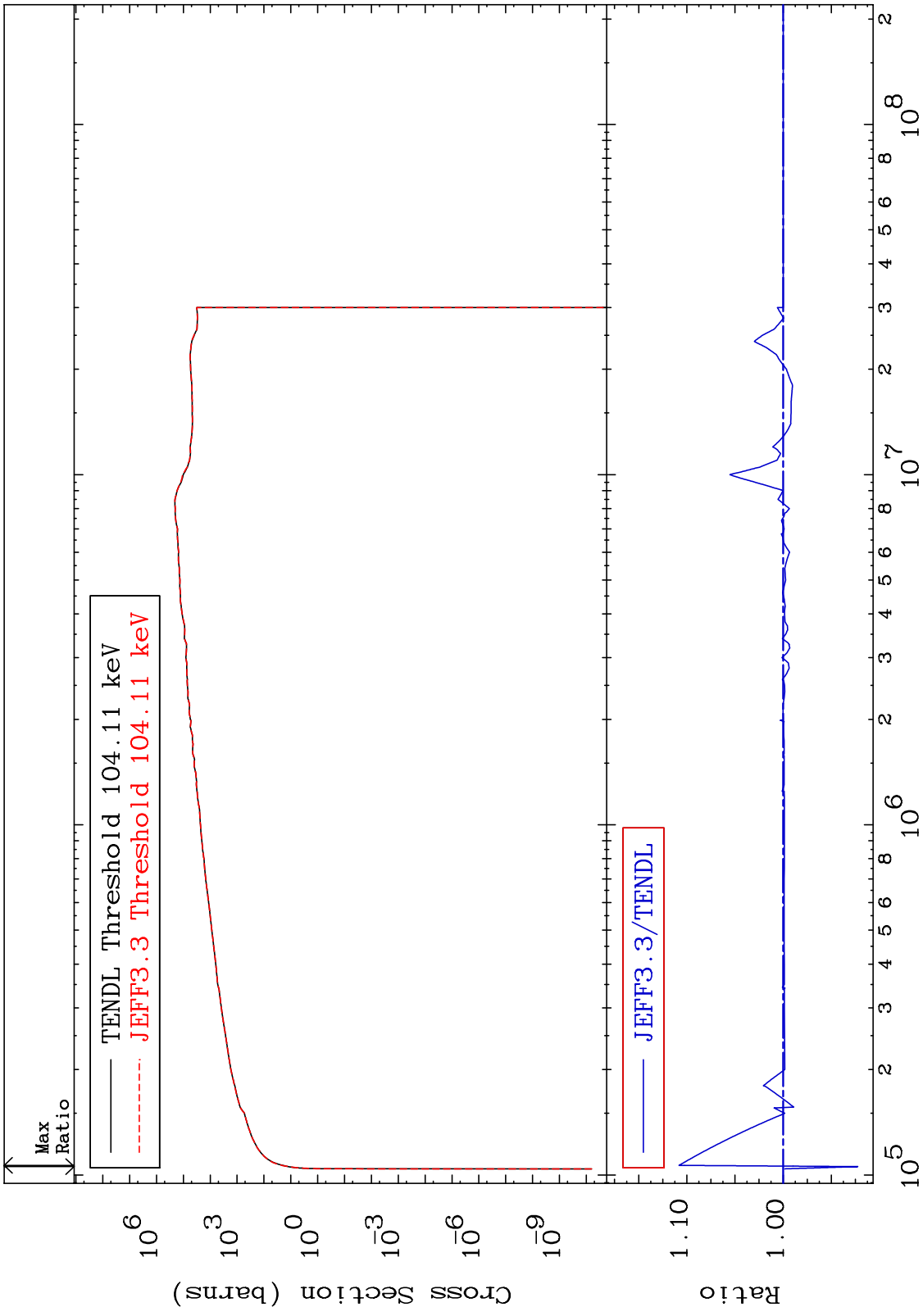


MAT 7425 Kerma non-elastic (all but mt2) 74-W -180  
 -99.22 To 9999. %  
 Cross Section



70 74-W -180

MAT 7425 Kerma inelastic (mt51-91) 74-W -180  
-7.754 To 10.81 %  
Cross Section

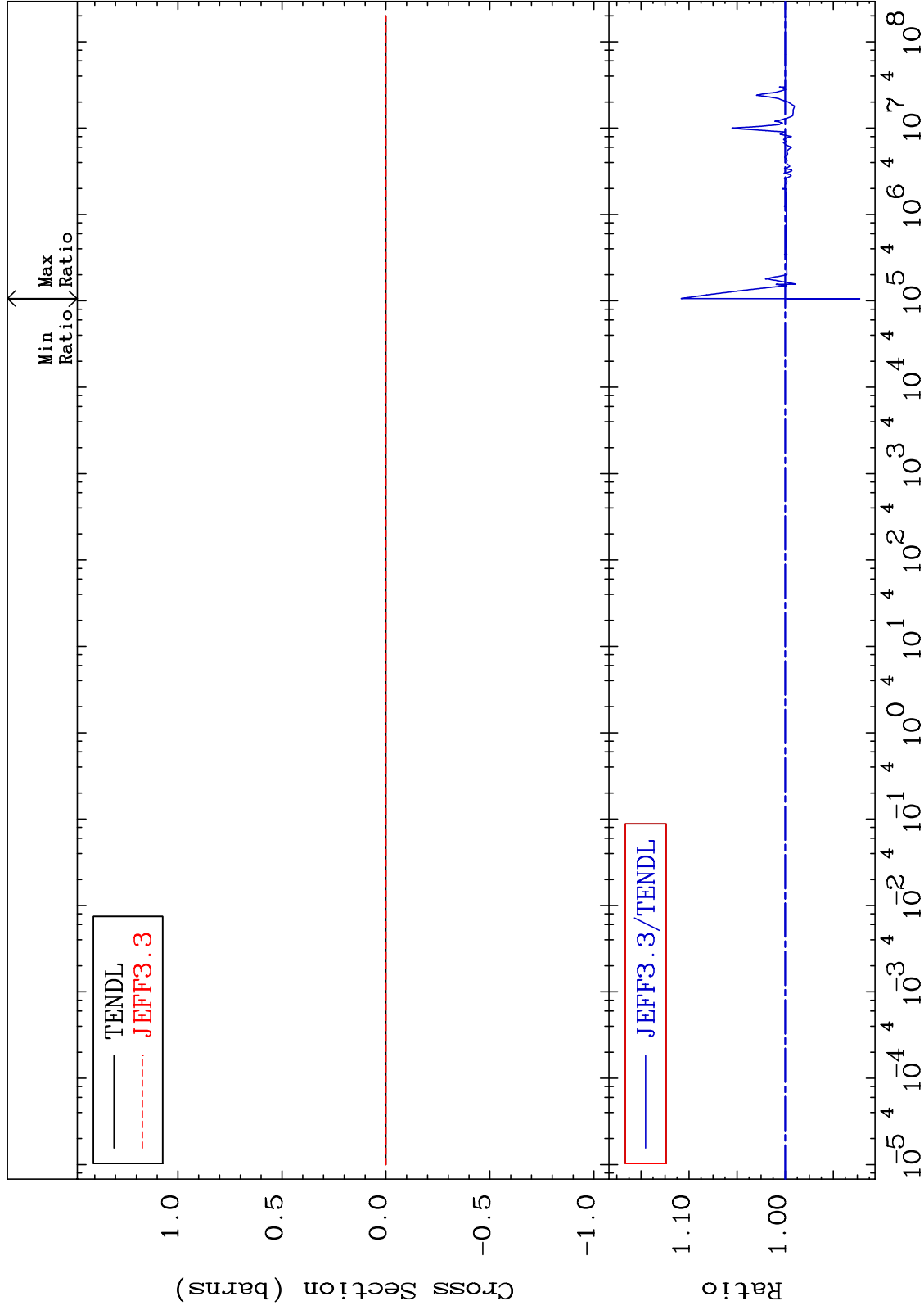


71 74-W -180

MAT 7425

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

74-W -180  
-7.754 To 10.81 %

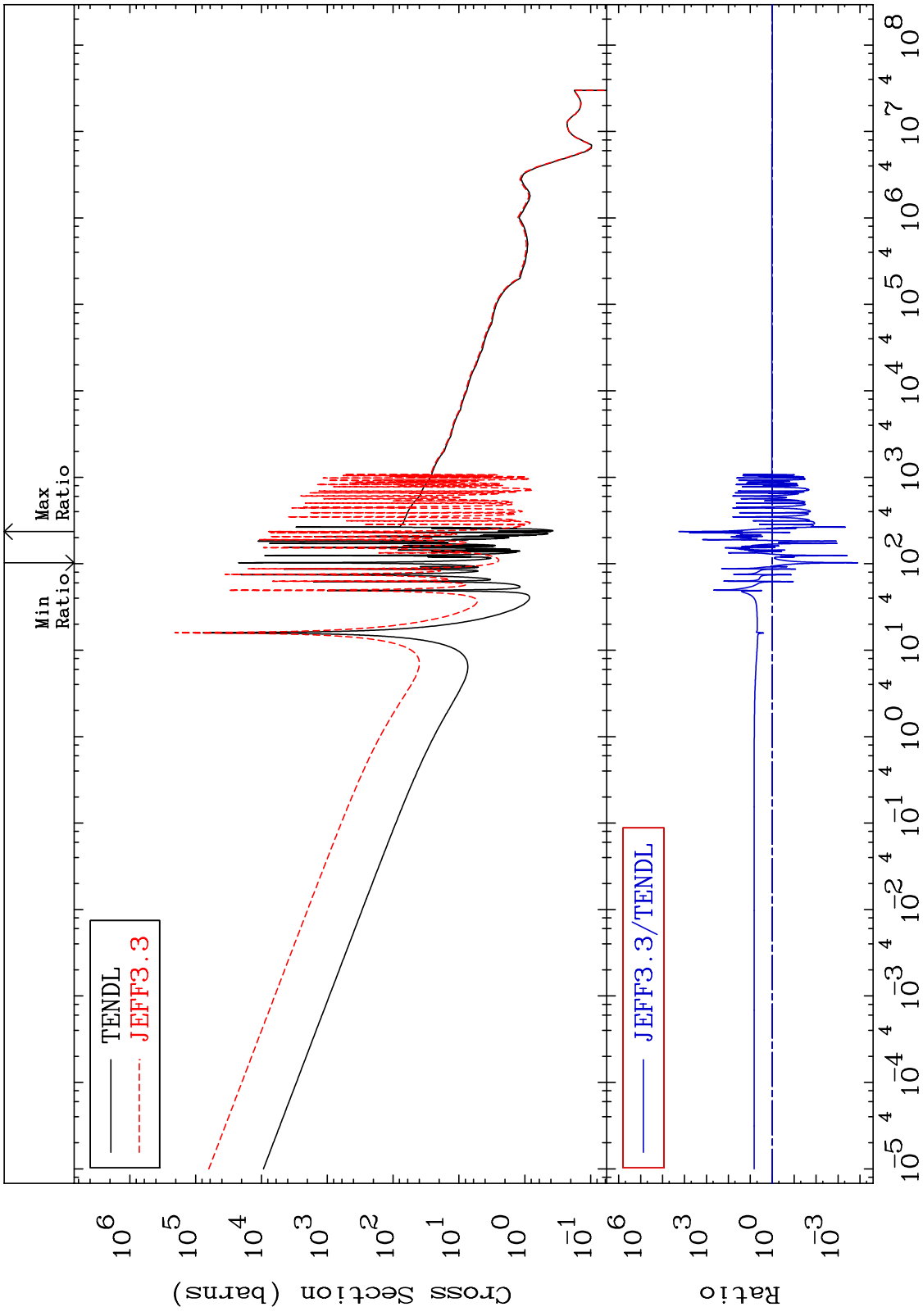


72

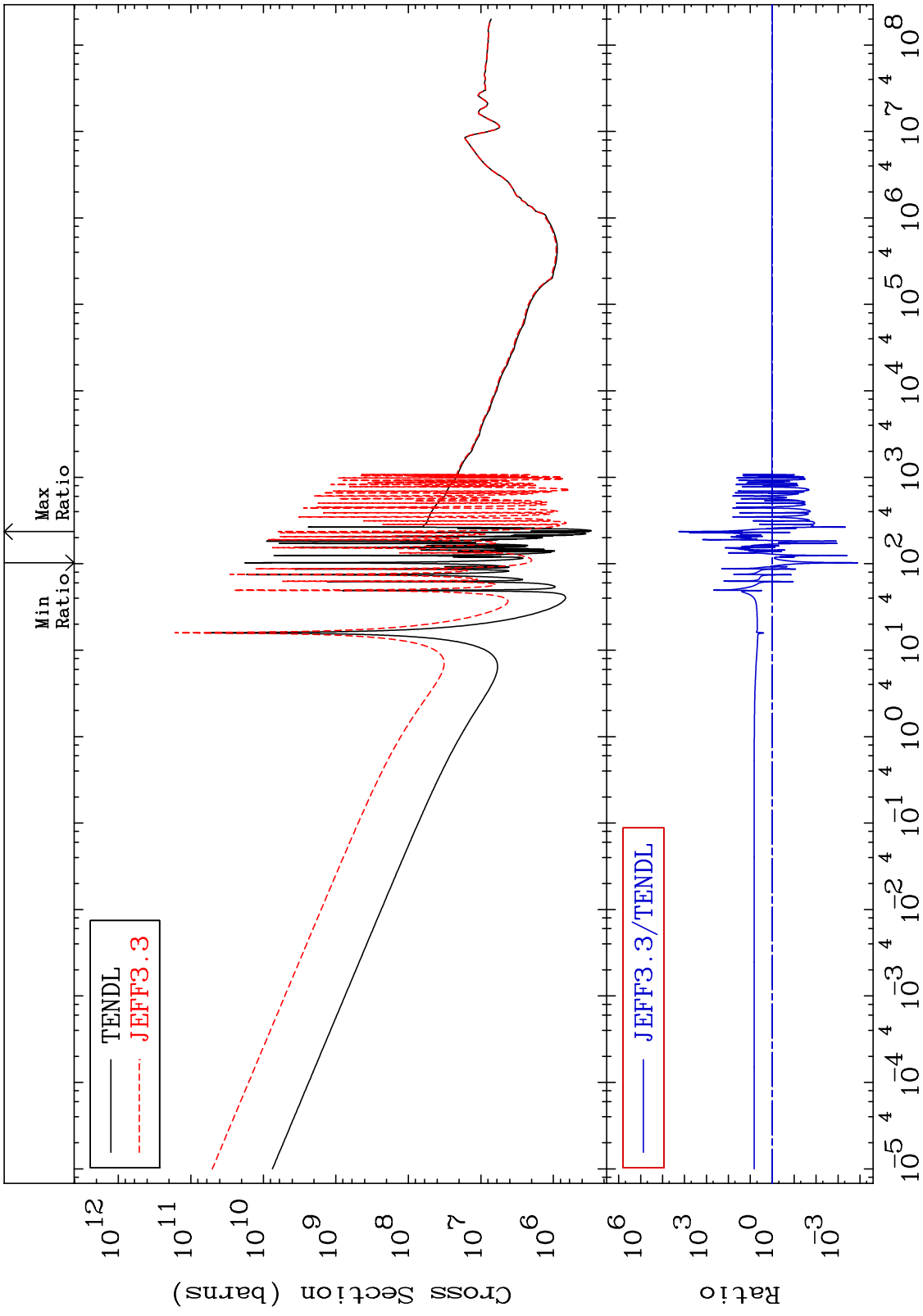
Incident Energy (eV)

74-W -180

MAT 7425 Kerma capture (mt102) 74-W -180  
-99.99 To 9999. %

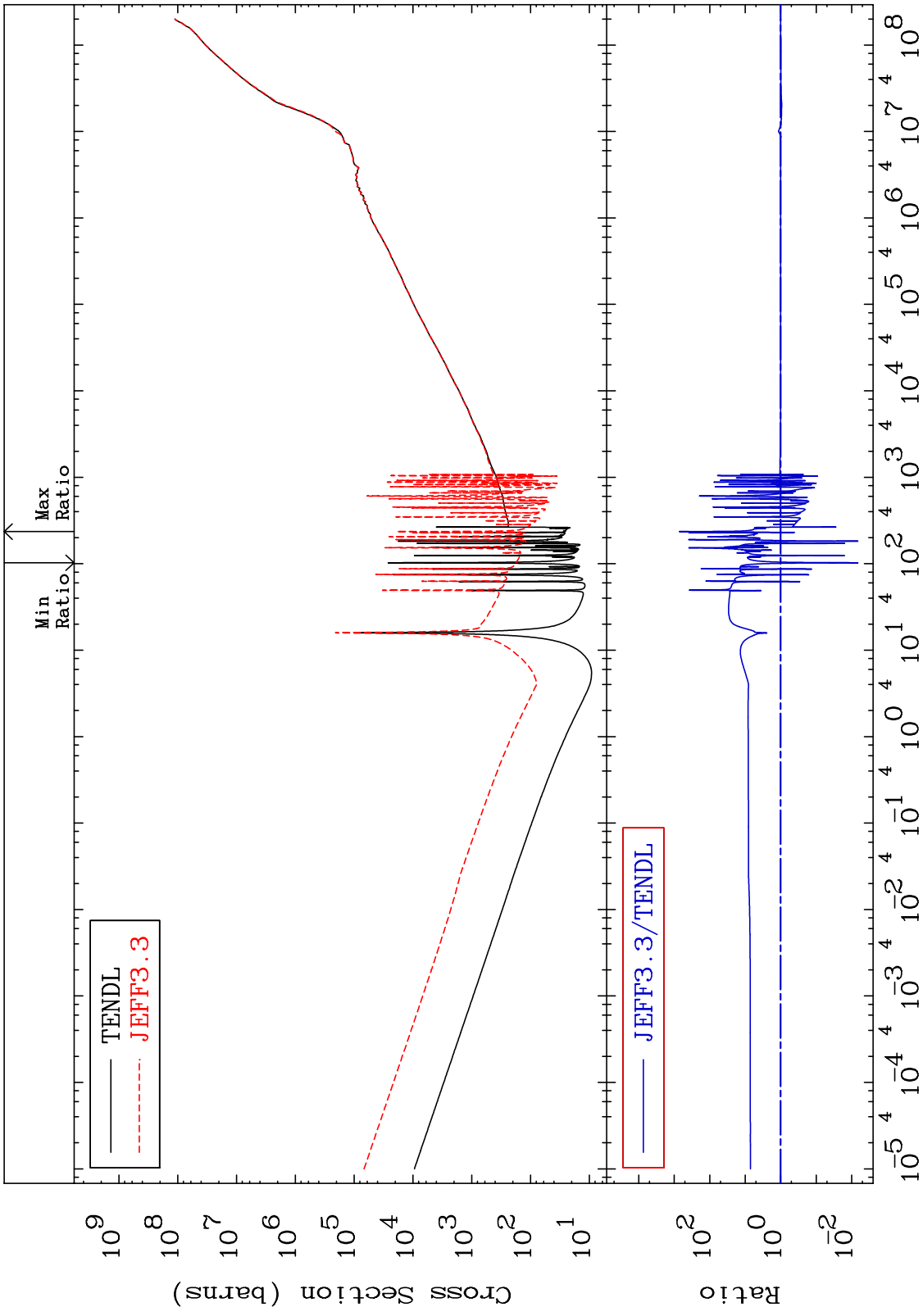


MAT 7425 Total photon (eV-barns) Cross Section 74-W -180 -99.99 To 9999. %



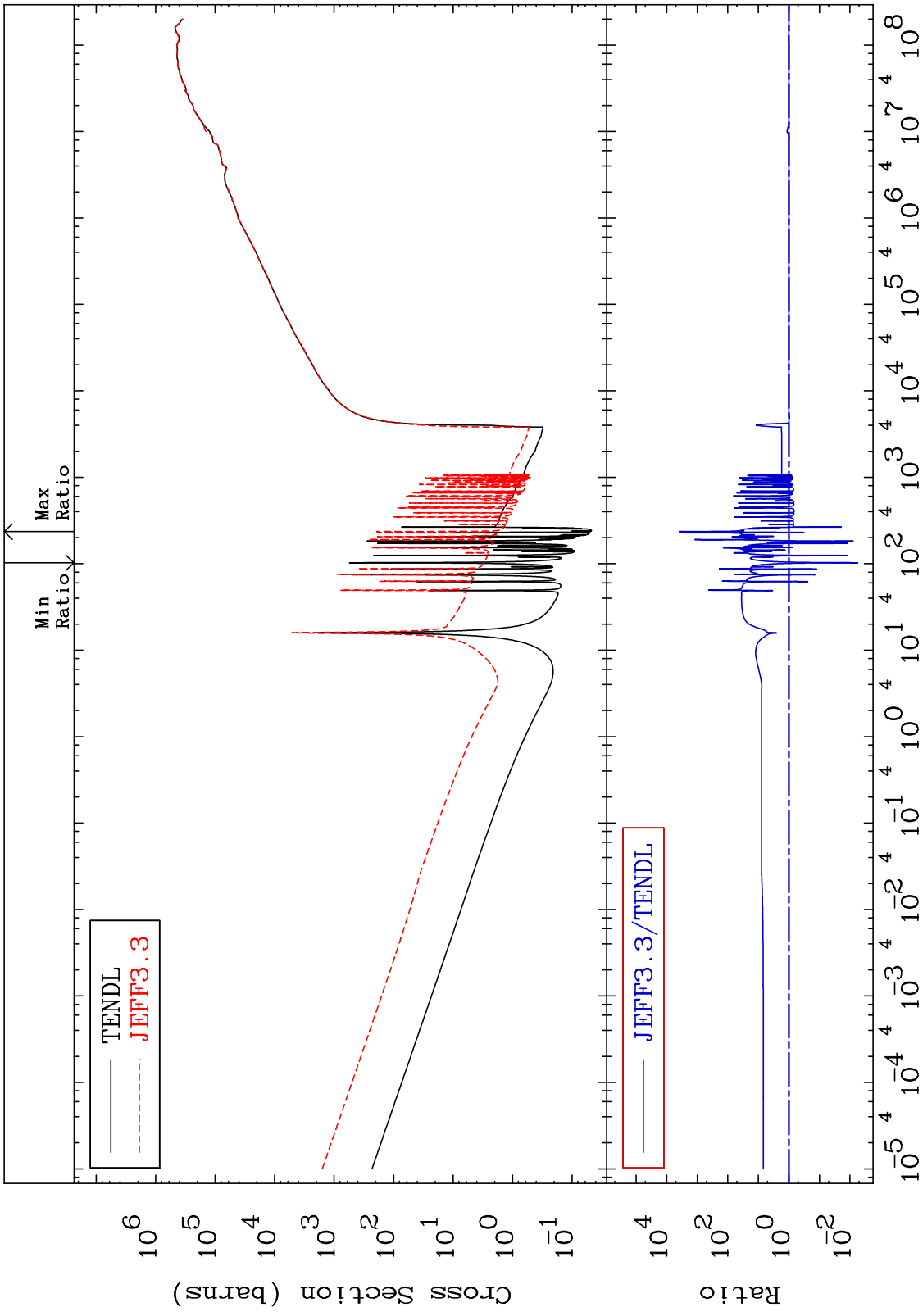
74 74-W -180

MAT 7425 Total kinematic kerma (high limit) Cross Section 74-W -180 -99.33 To 9999. %



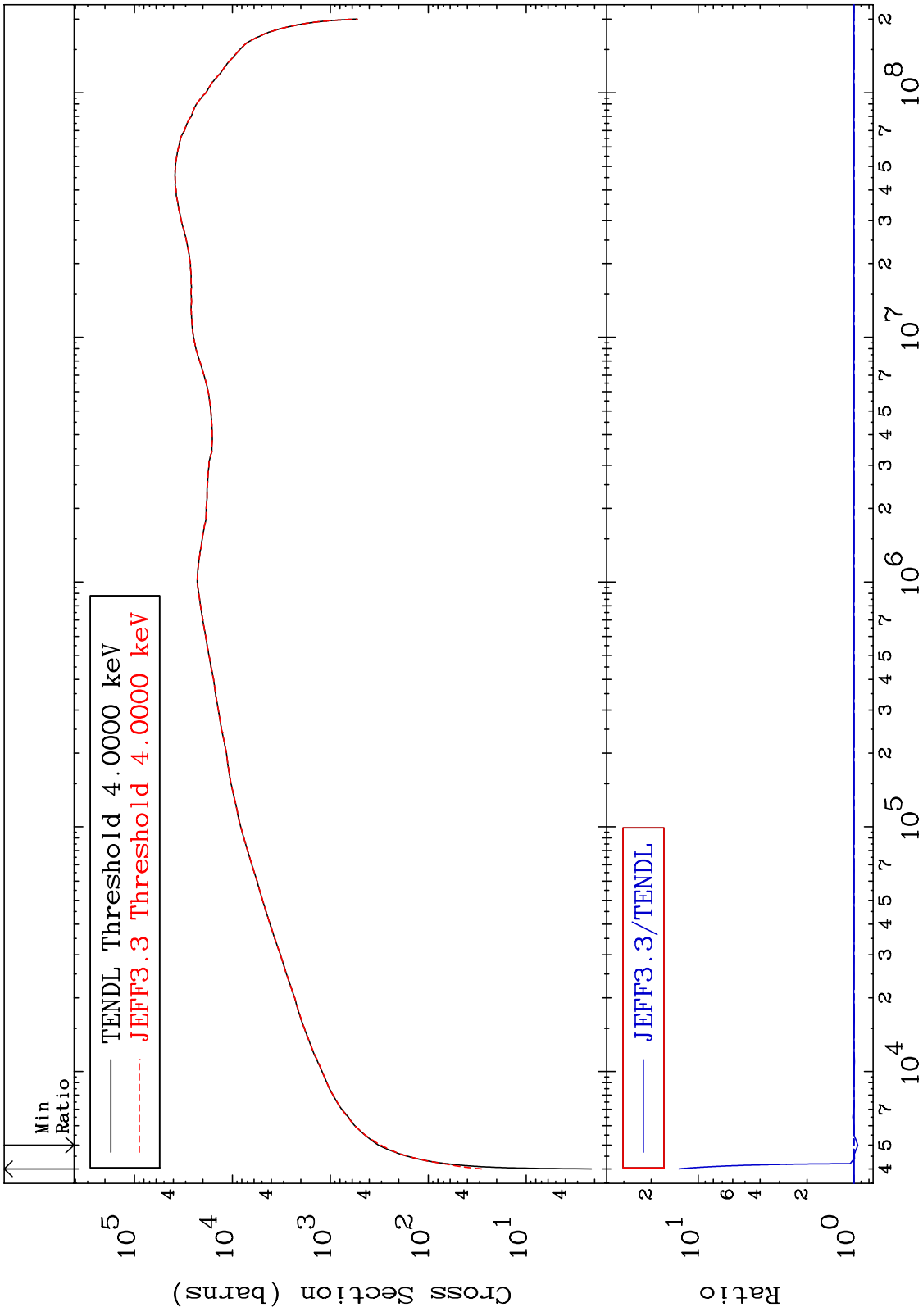
75 74-W -180

MAT 7425 Dpa total (eV-barns) 74-W -180  
 Cross Section -99.45 To 9999. %



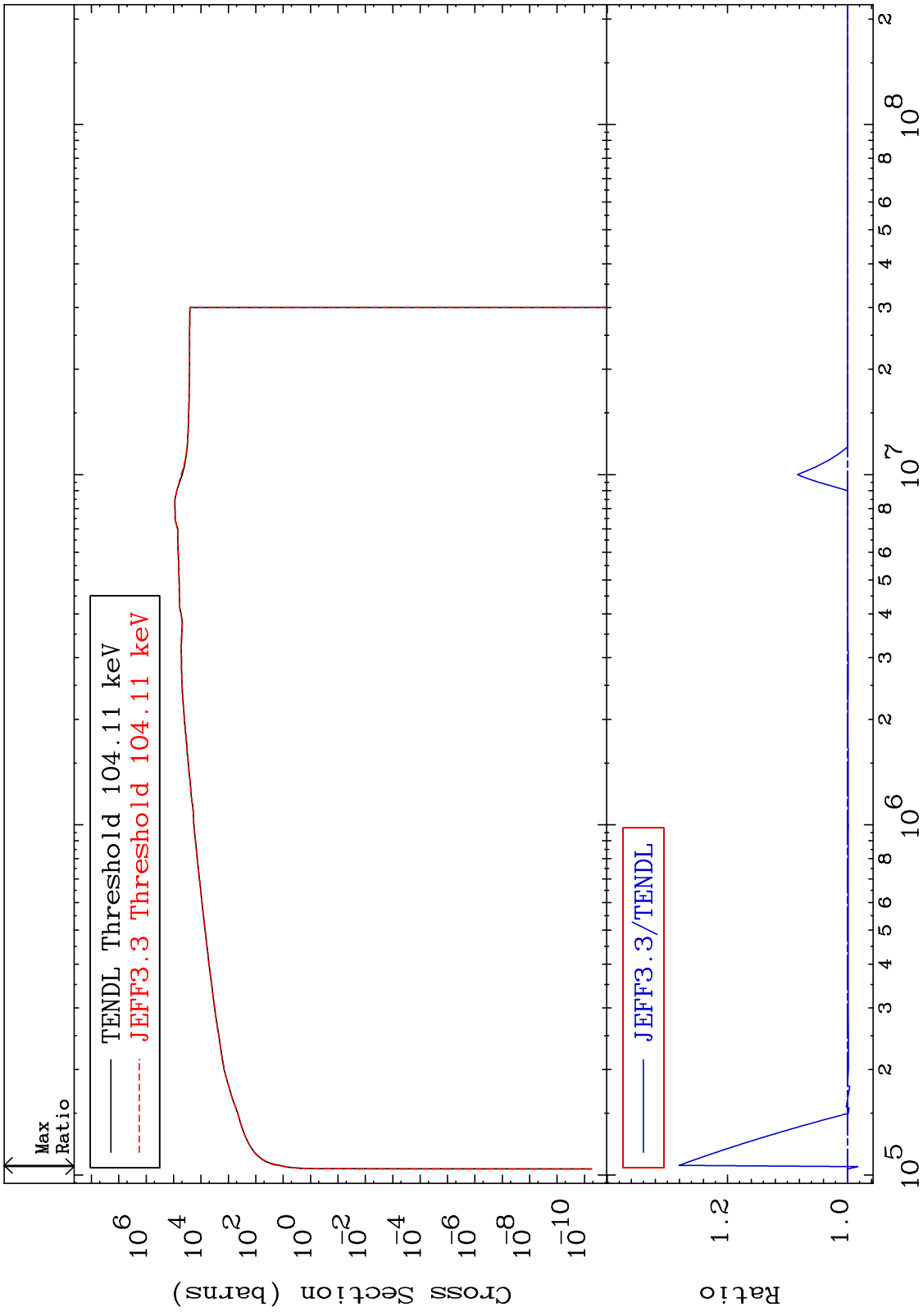
76 74-W -180

MAT 7425 Dpa elastic (mt2) 74-W -180  
 Cross Section -5.720 To 1226. %



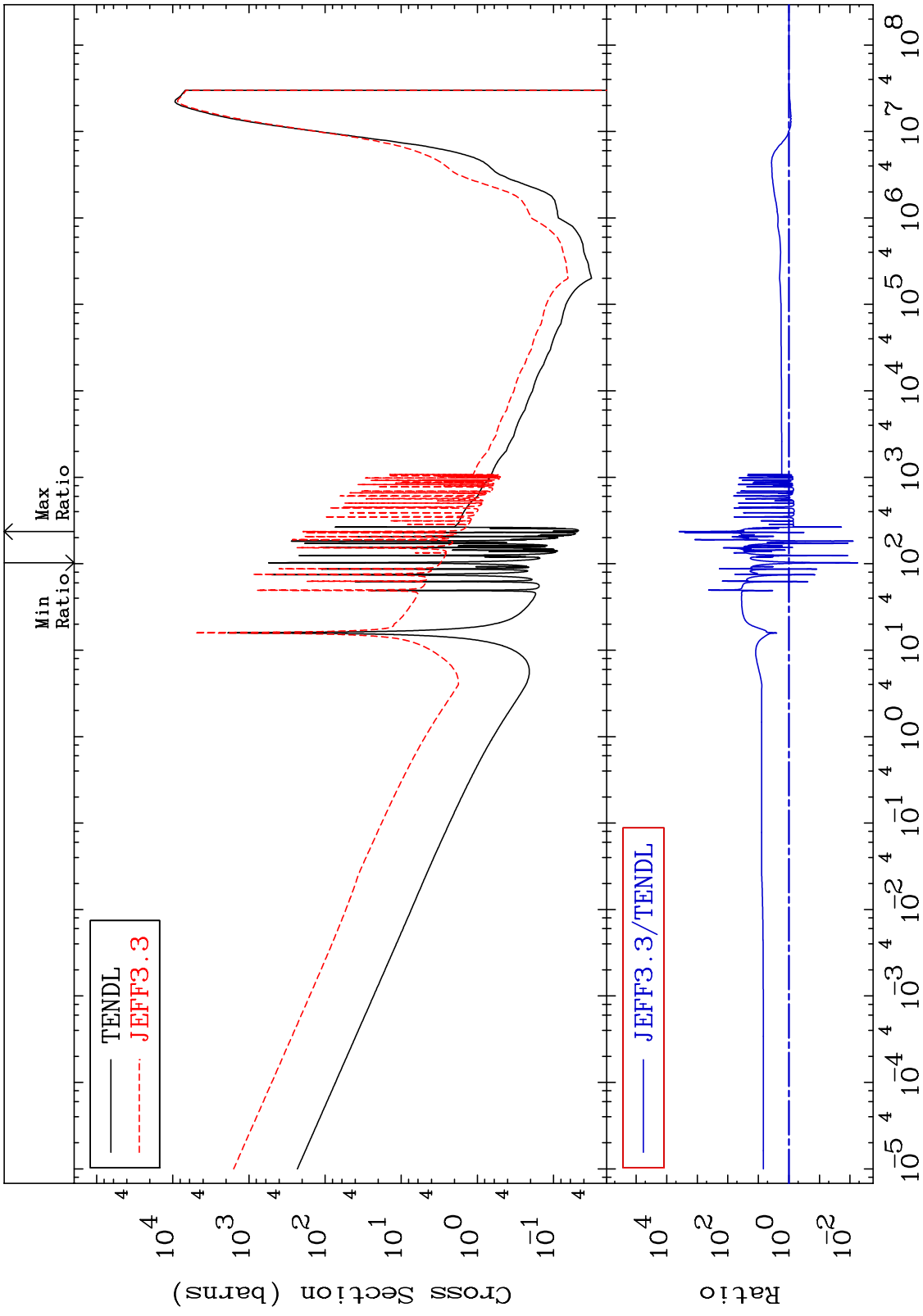
77 74-W -180

MAT 7425 Dpa inelastic (mt51-91) 74-W -180  
Cross Section -1.722 To 28.06 %



78 74-W -180

MAT 7425      Dpa disappearance (mt102 -120)      74-W -180  
 -99.45 To 9999. %

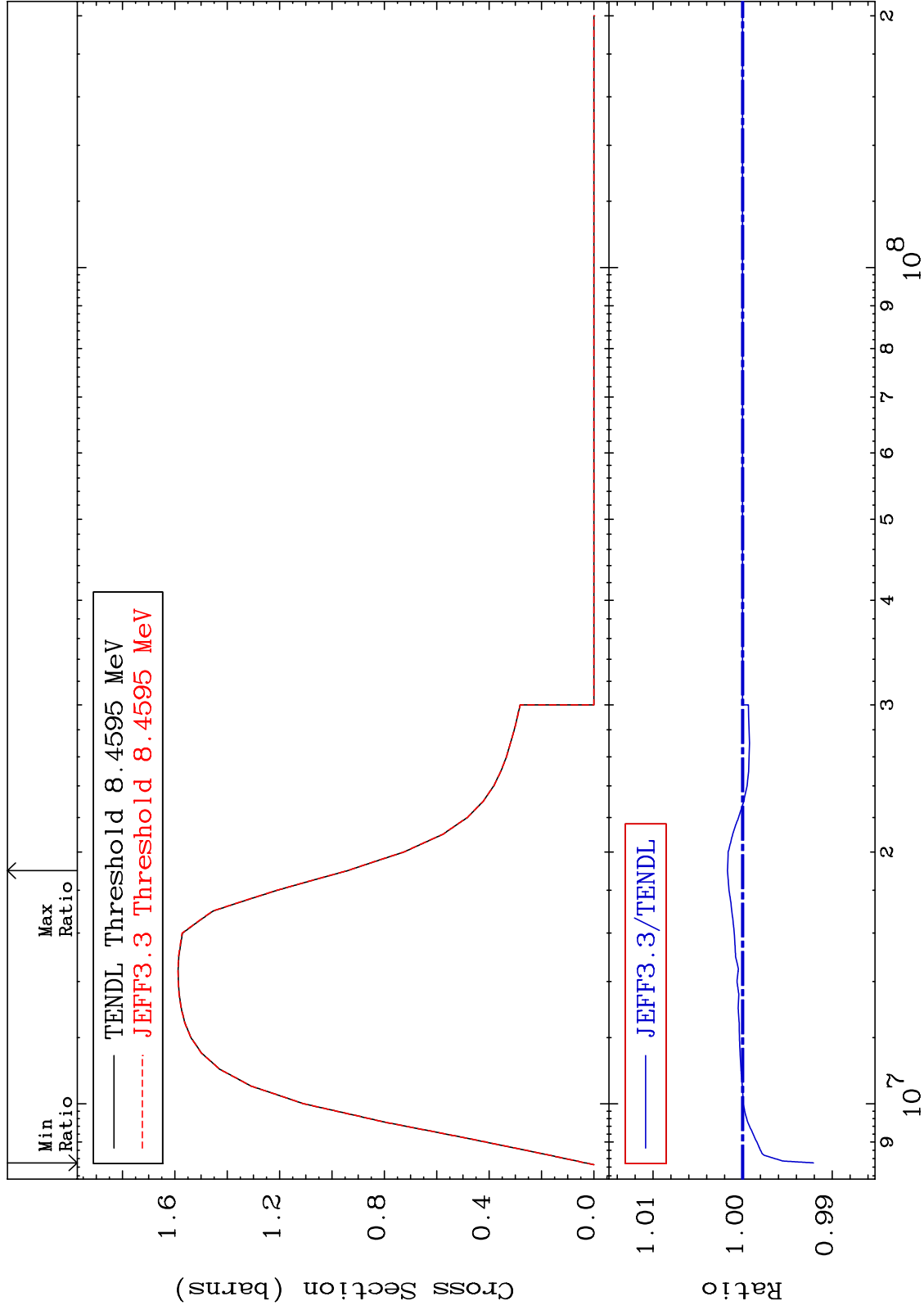


MAT 7425

(n,2n):74-W -179g

74-W -180

Radionuclide Production Cross Section -0.792 To 0.169 %

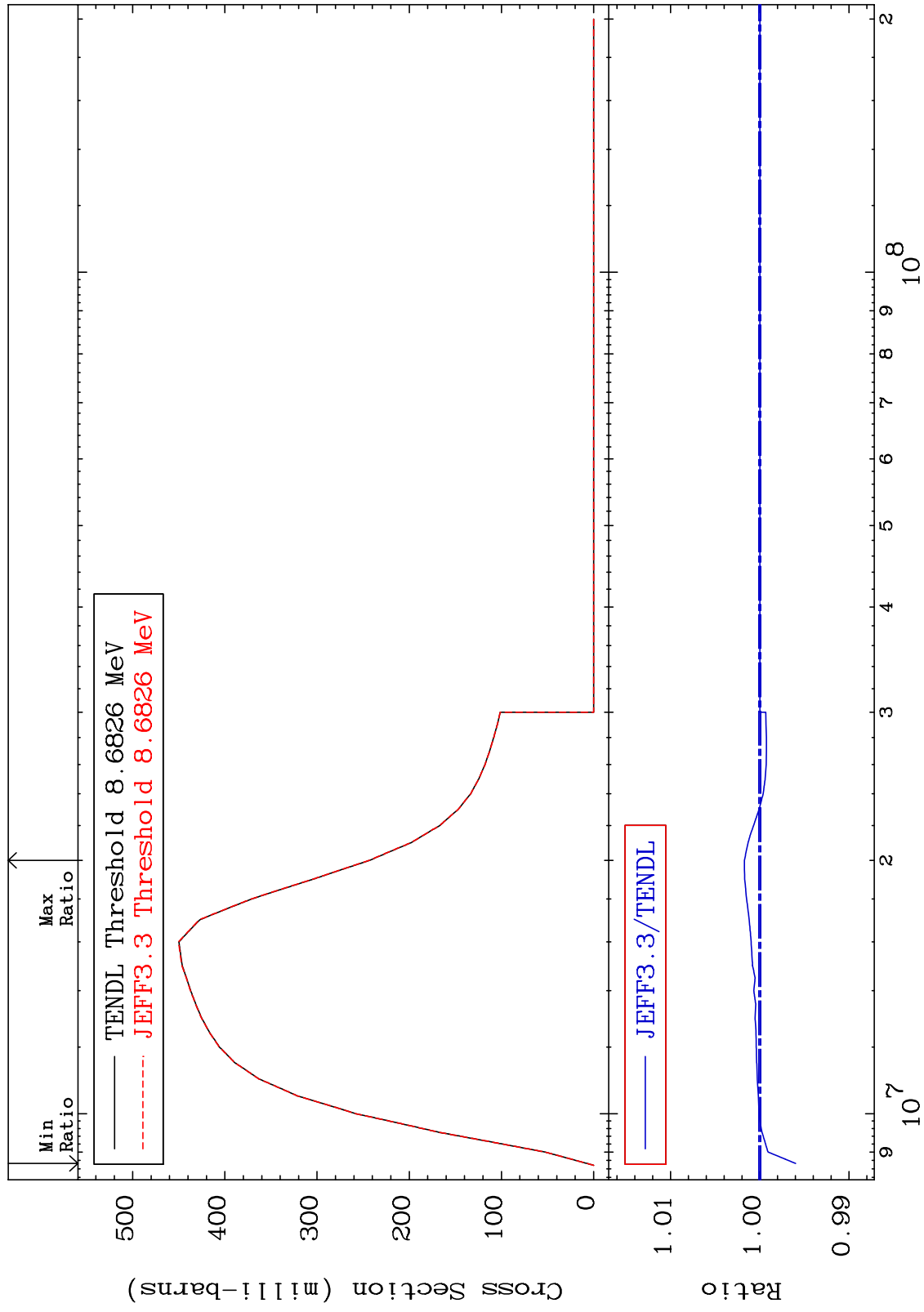


80

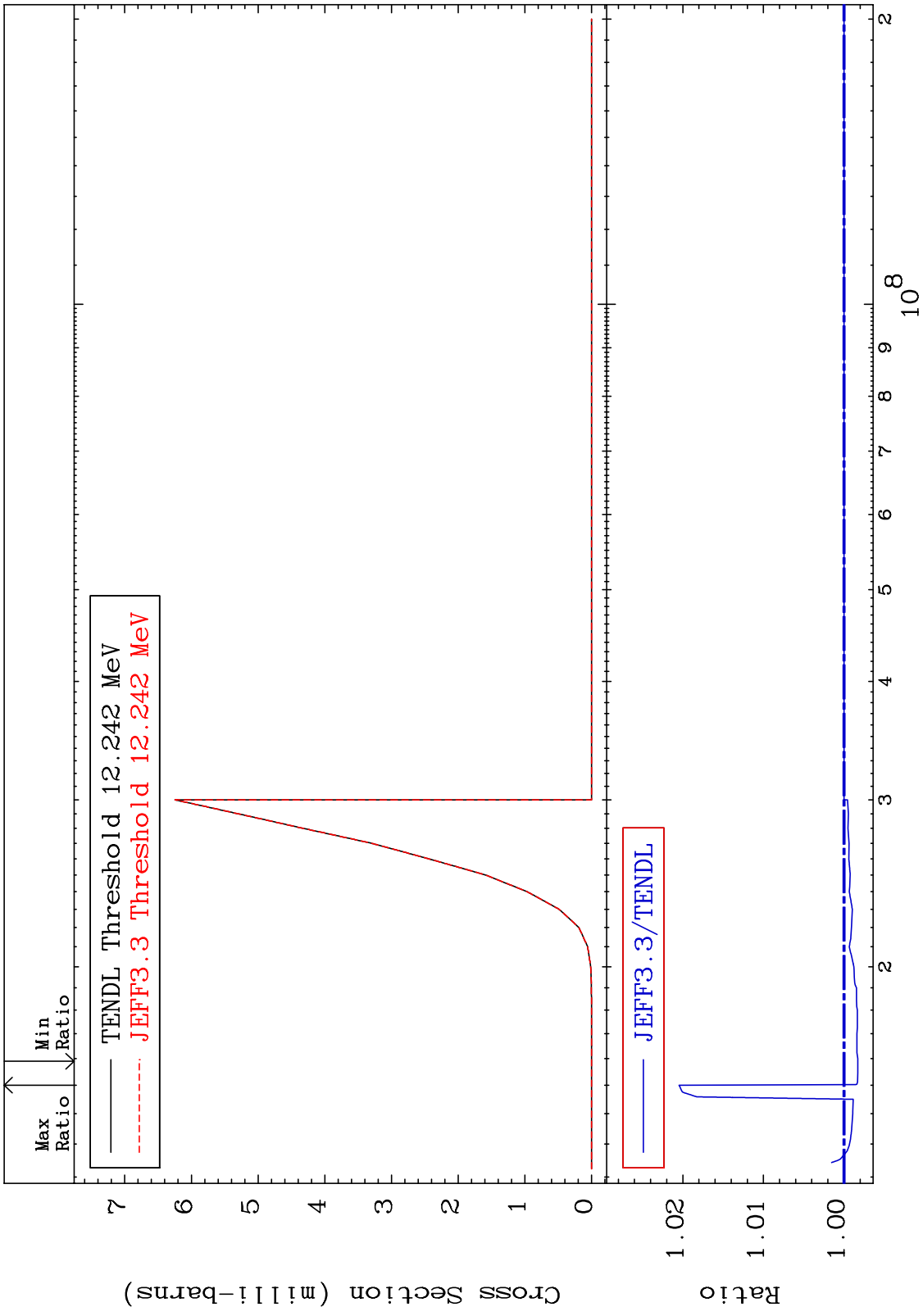
Incident Energy (eV)

74-W -180

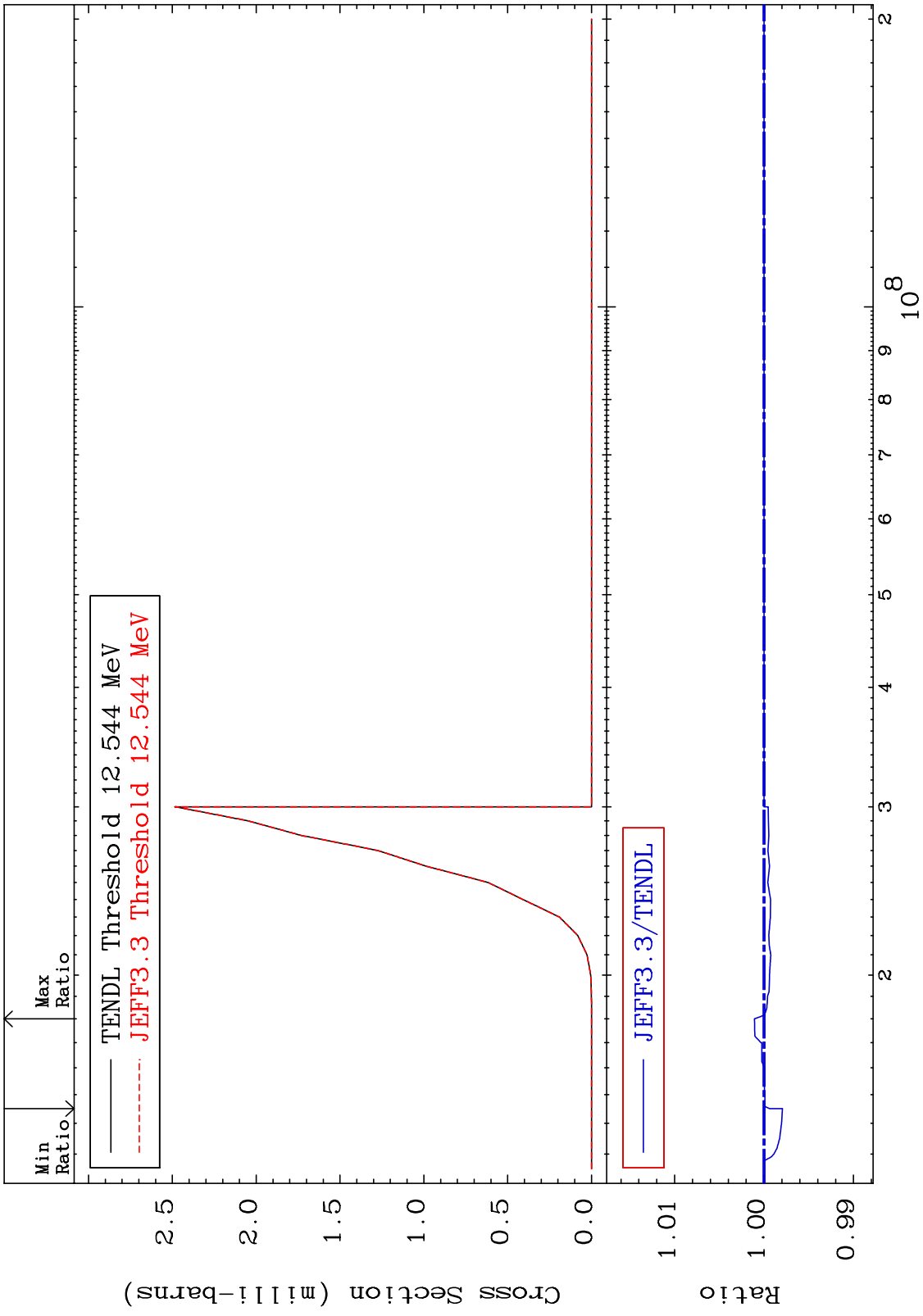
MAT 7425 (n,2n):74-W -179m2 74-W -180  
Radionuclide Production Cross Section -0.401 To 0.172 %



81 74-W -180

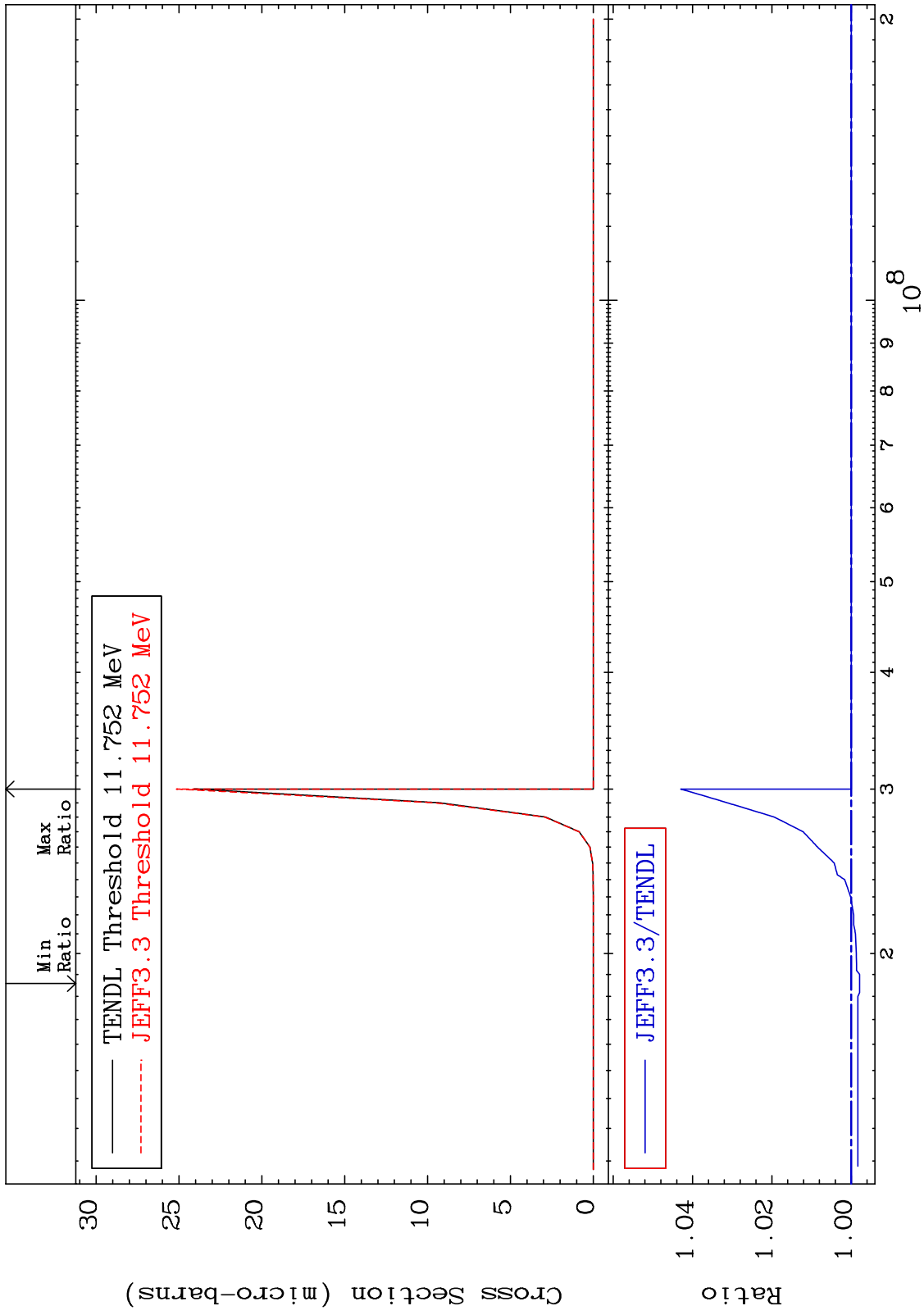


MAT 7425 (n,n') d:73-Ta-178m1 74-W -180  
 Radionuclide Production Cross Section -0.205 To 0.107 %



MAT 7425

(n, n') He-3:72-Hf-177g 74-W -180  
Radionuclide Production Cross Section -0.213 To 4.296 %



84

Incident Energy (eV)

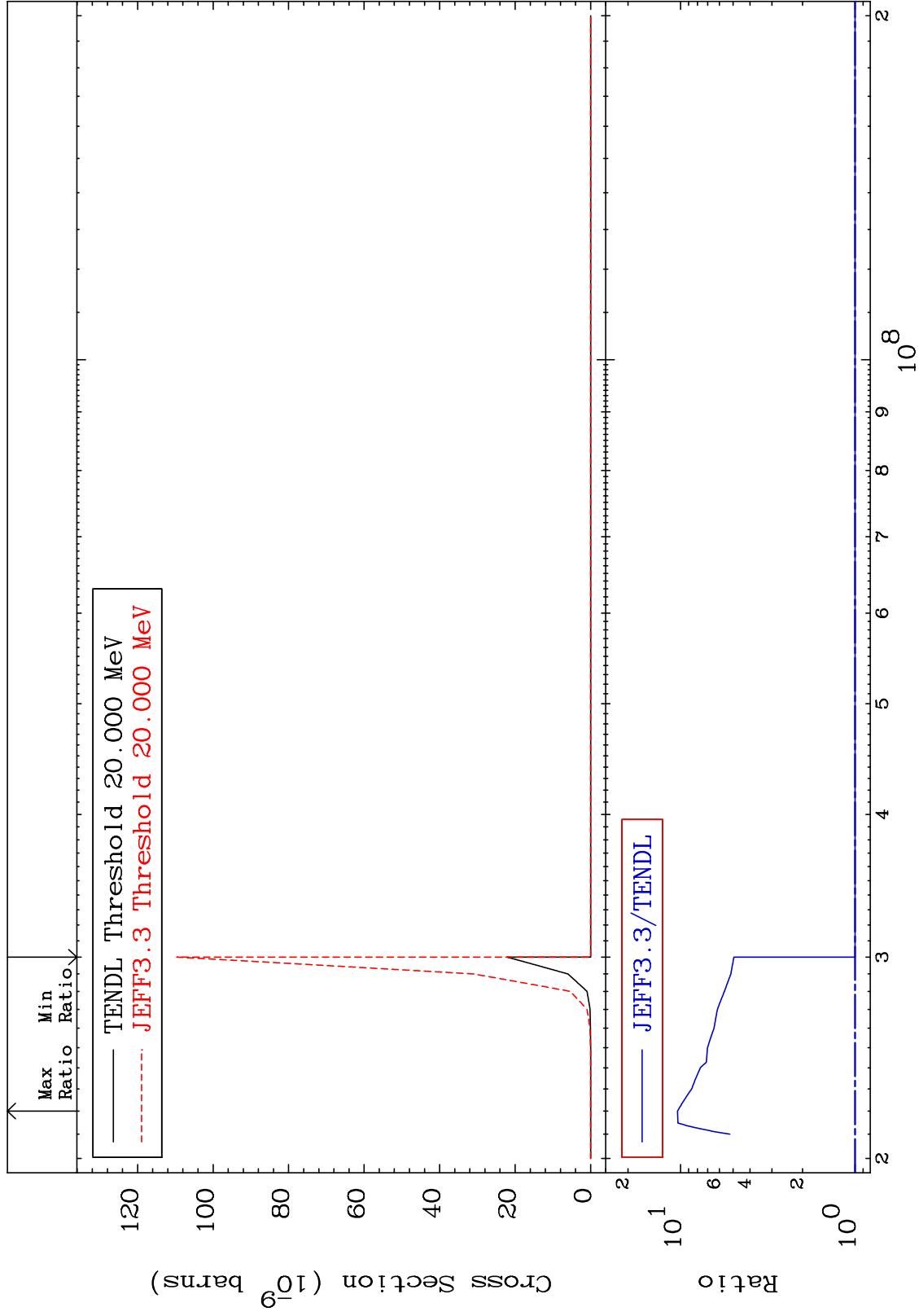
74-W -180

MAT 7425

(n, n') He-3:72-Hf-177m10

74-W -180

Radionuclide Production Cross Section 0.000 To 940.4 %



85

Incident Energy (eV)

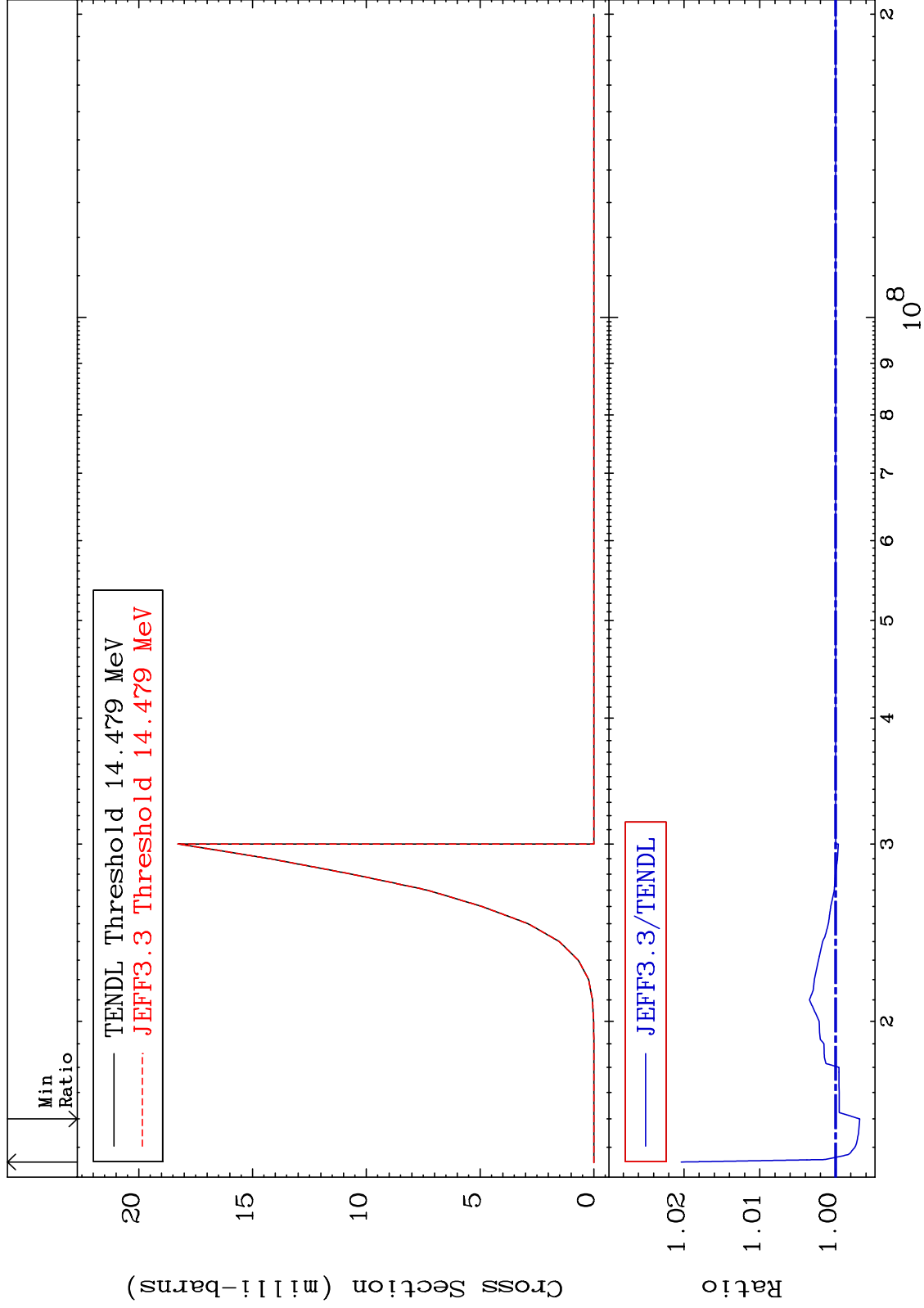
74-W -180

MAT 7425

(n,2n) p:73-Ta-178g

74-W -180

Radionuclide Production Cross Section -0.317 To 2.036 %



86

Incident Energy (eV)

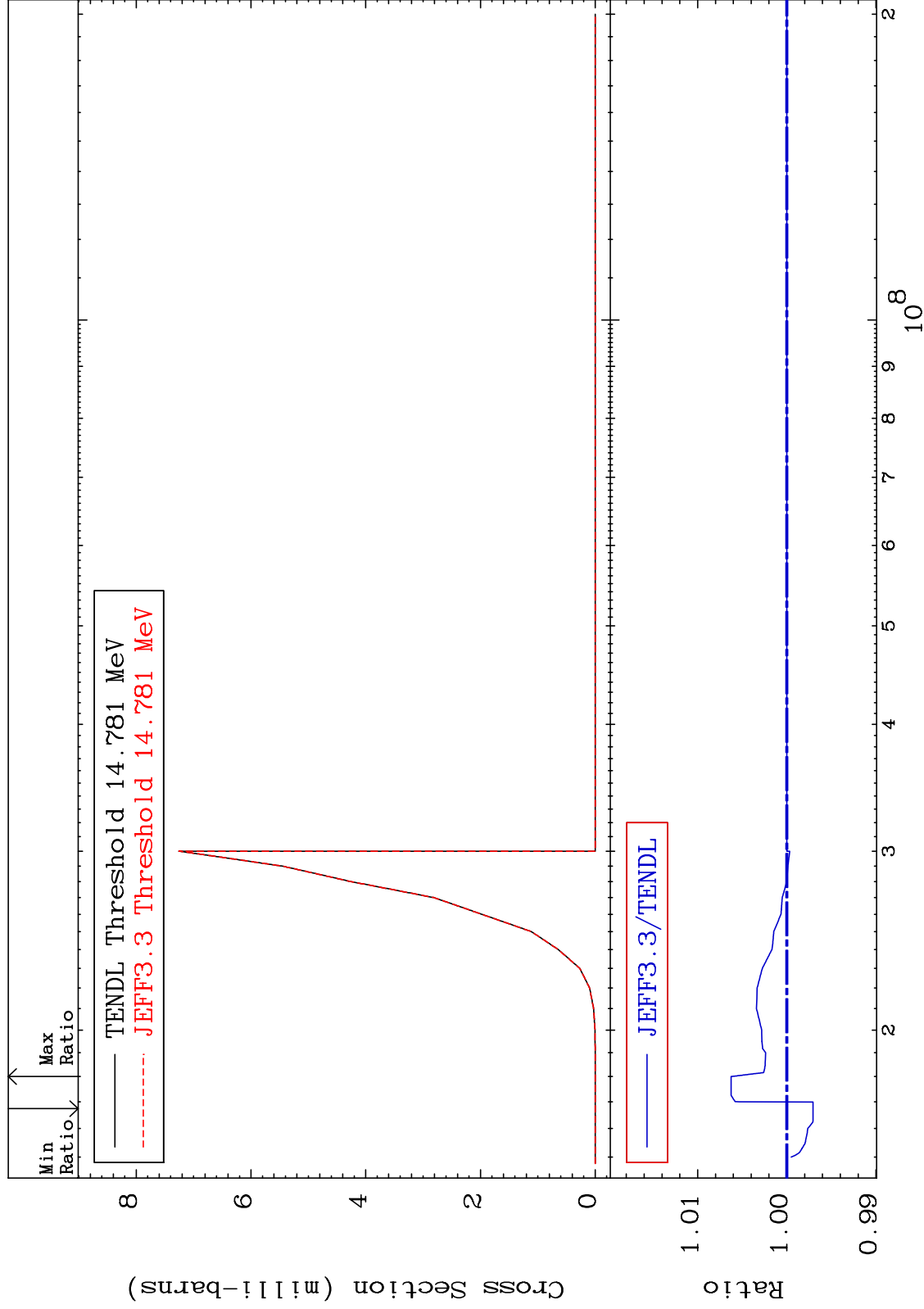
74-W -180

MAT 7425

(n,2n) p:73-Ta-178m1

74-W -180

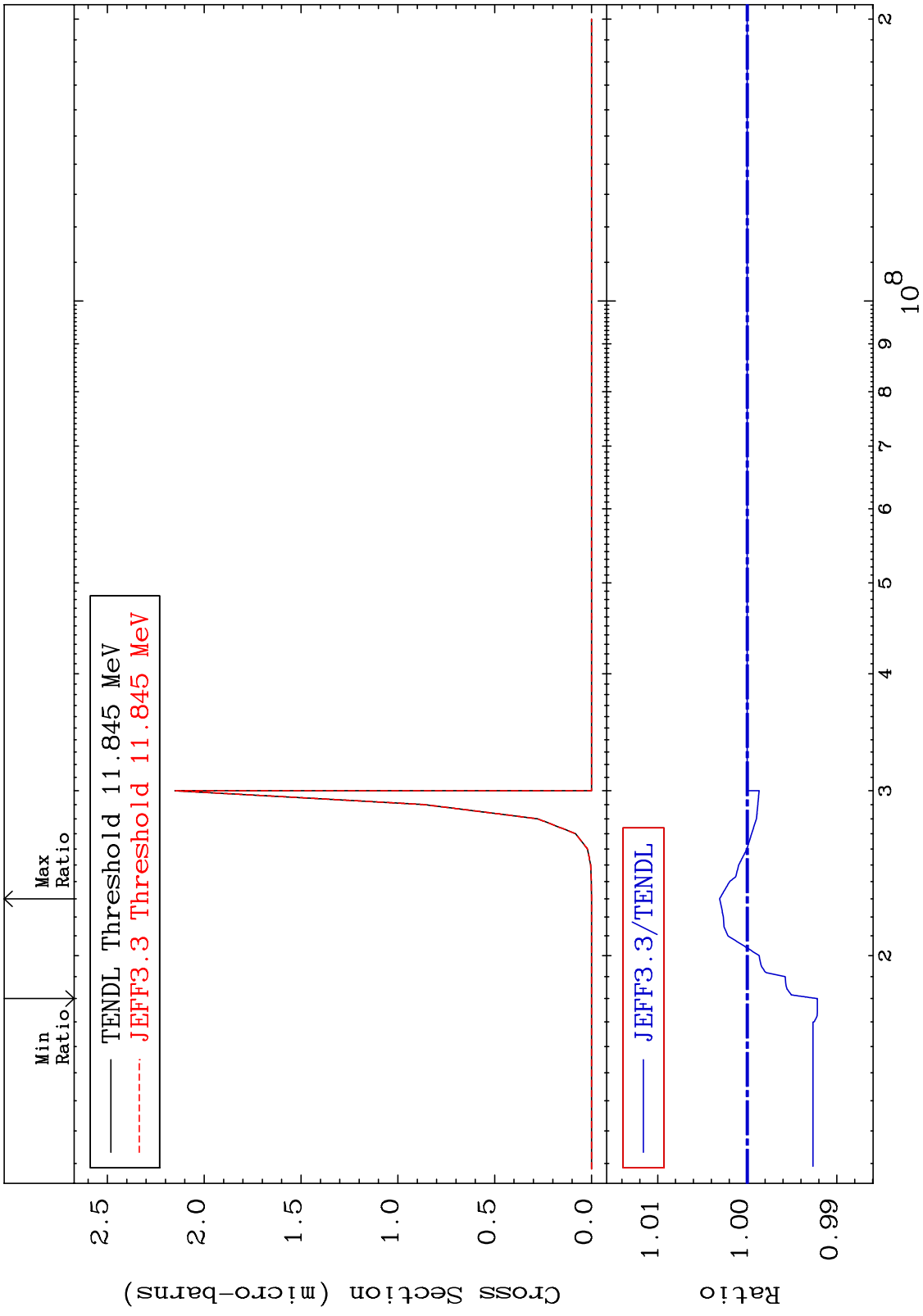
Radionuclide Production Cross Section -0.294 To 0.626 %

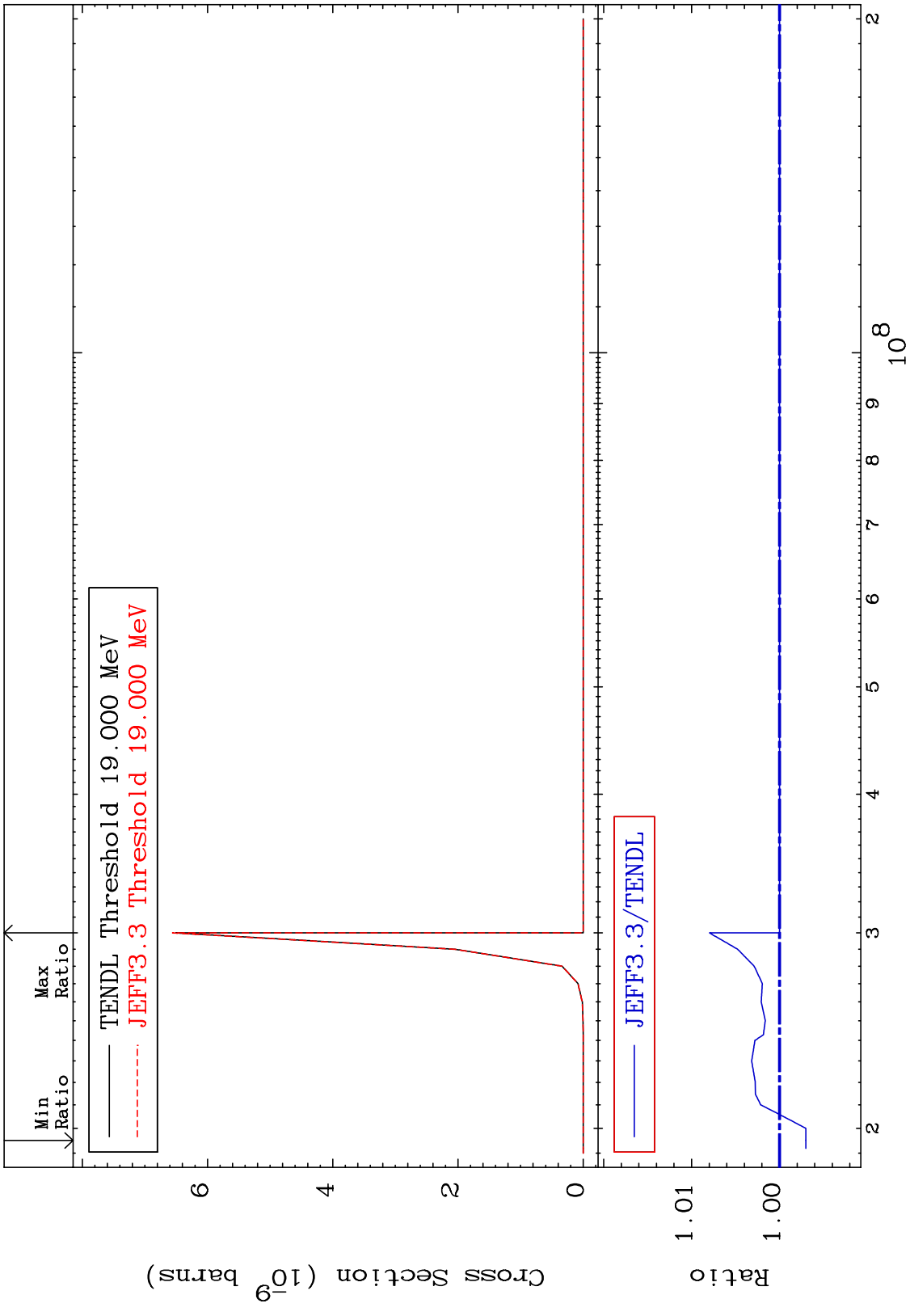


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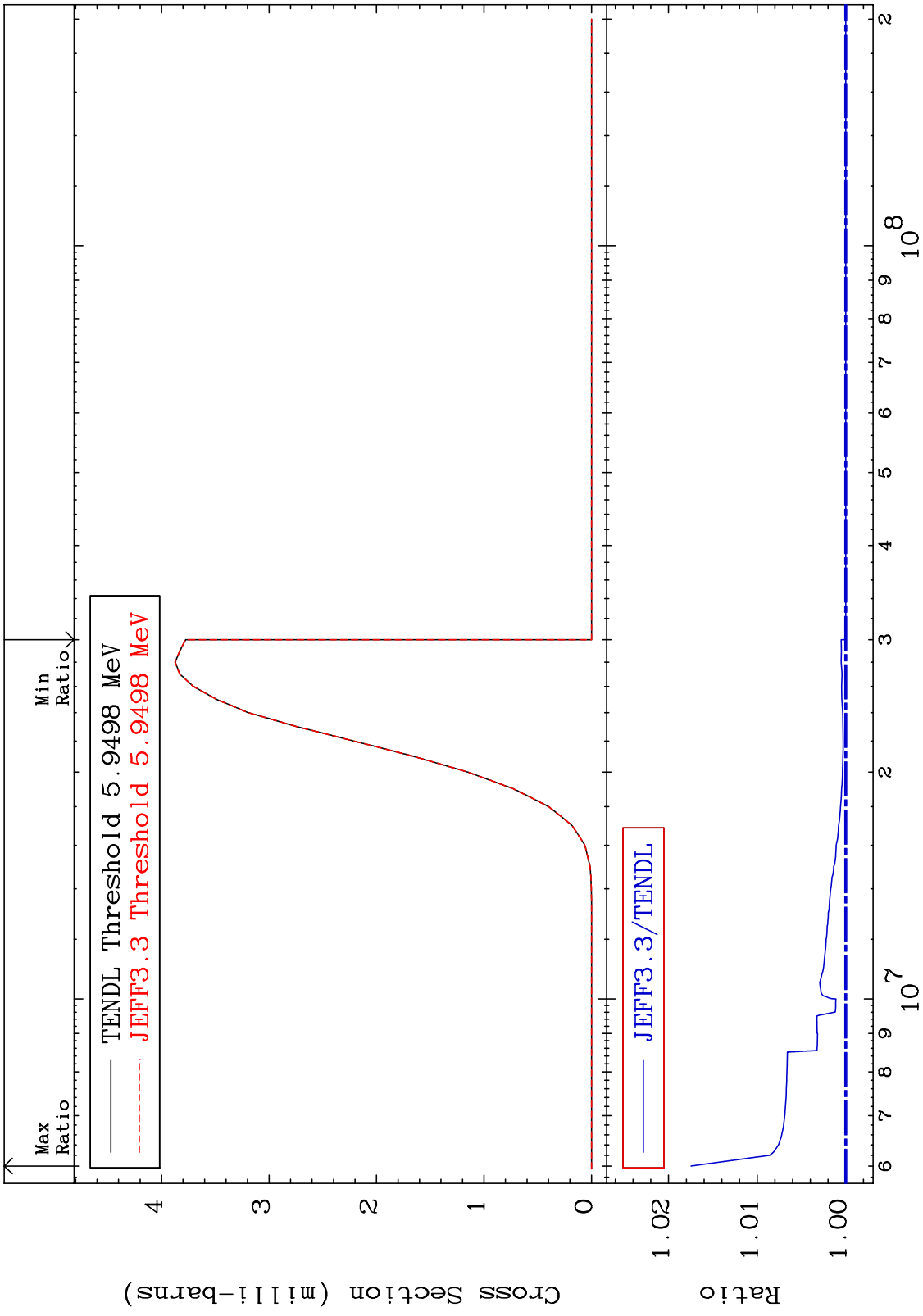
Incident Energy (eV)

74-W -180

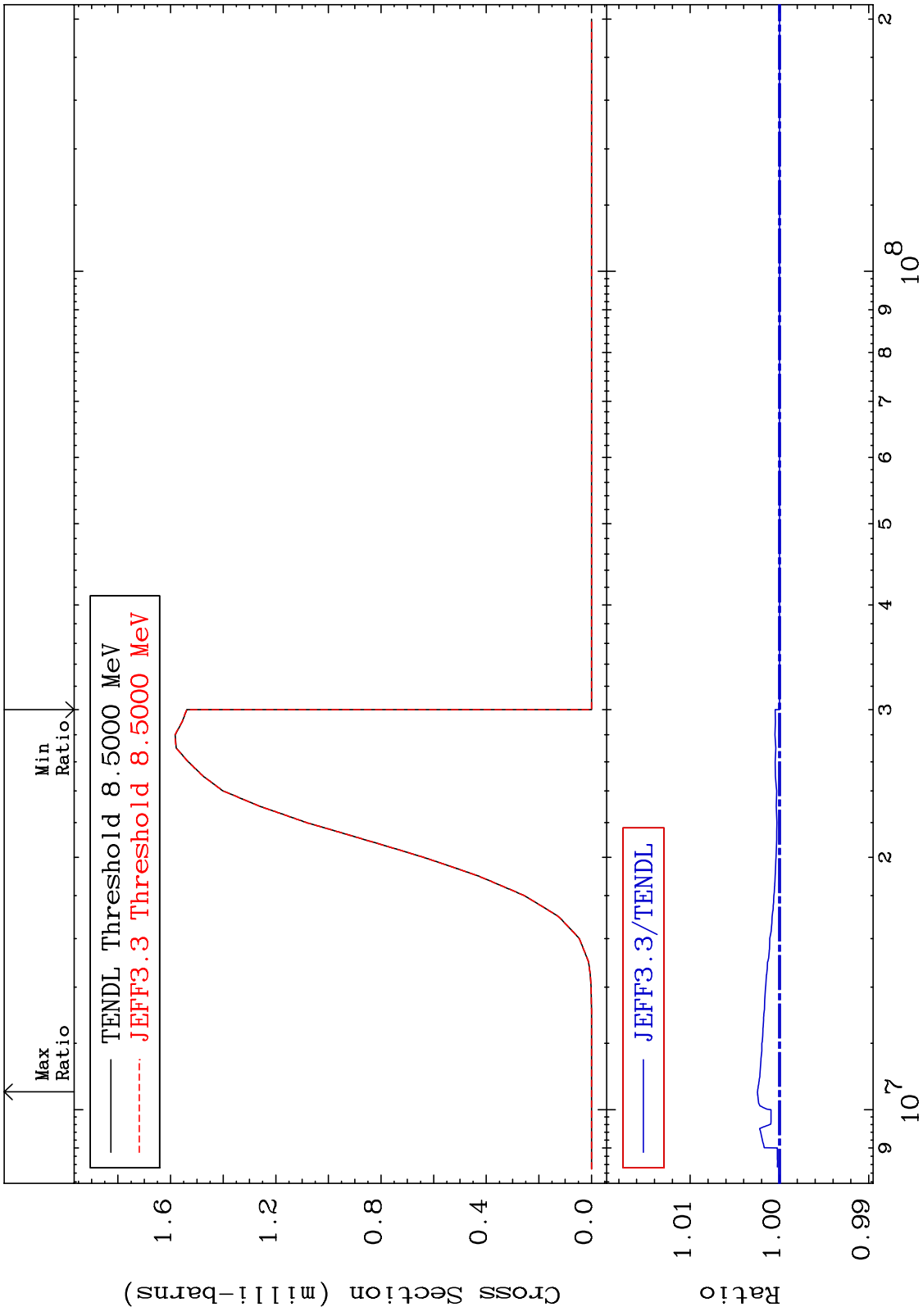




MAT 7425 (n,t):73-Ta-178g 74-W -180  
 Radionuclide Production Cross Section 0.000 To 1.747 %

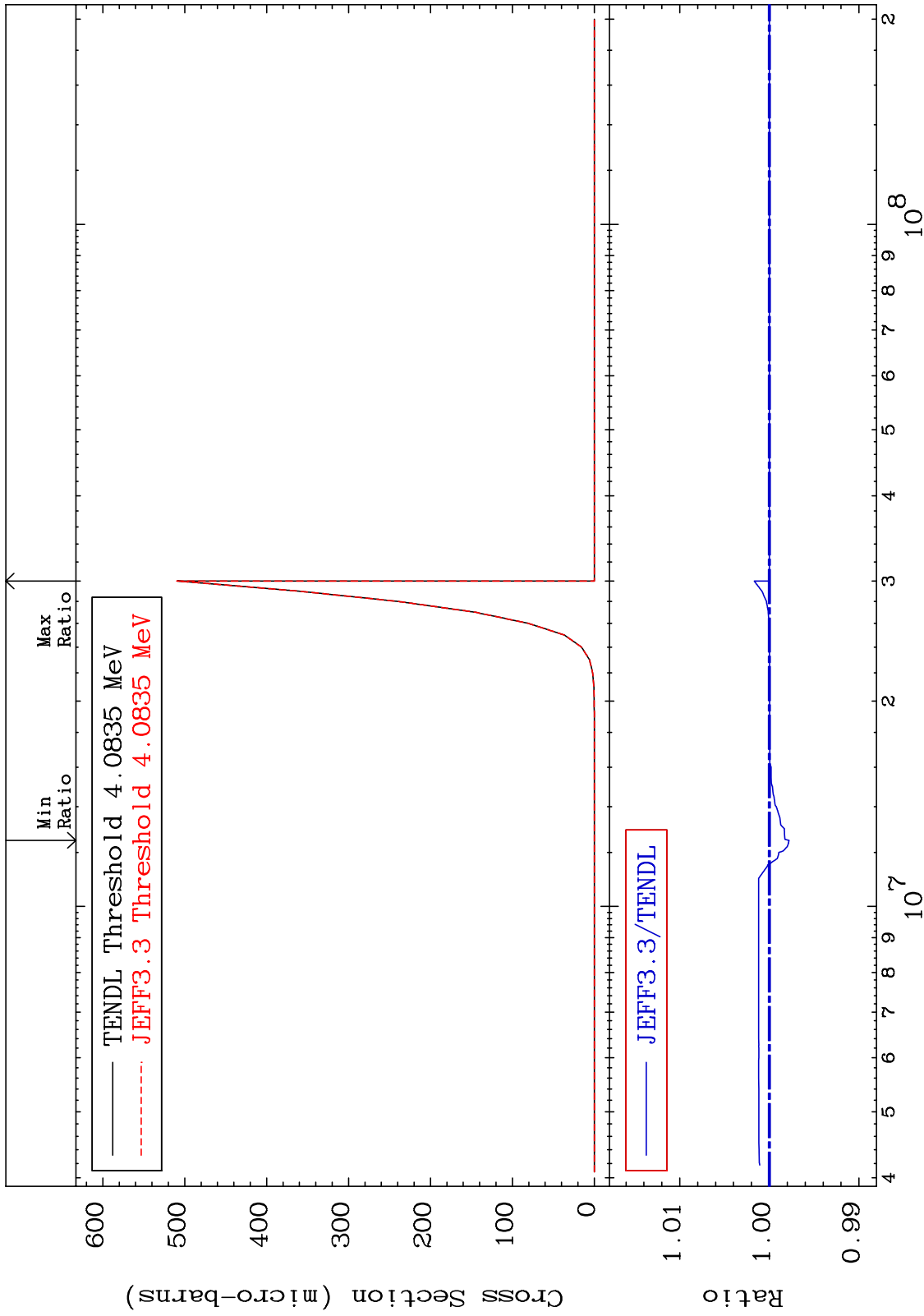


MAT 7425 (n, t): 73-Ta-178m1 74-W -180  
 Radionuclide Production Cross Section 0.000 To 0.247 %



MAT 7425

(n, He-3) : 72-Hf-178g 74-W -180  
Radionuclide Production Cross Section -0.219 To 0.170 %

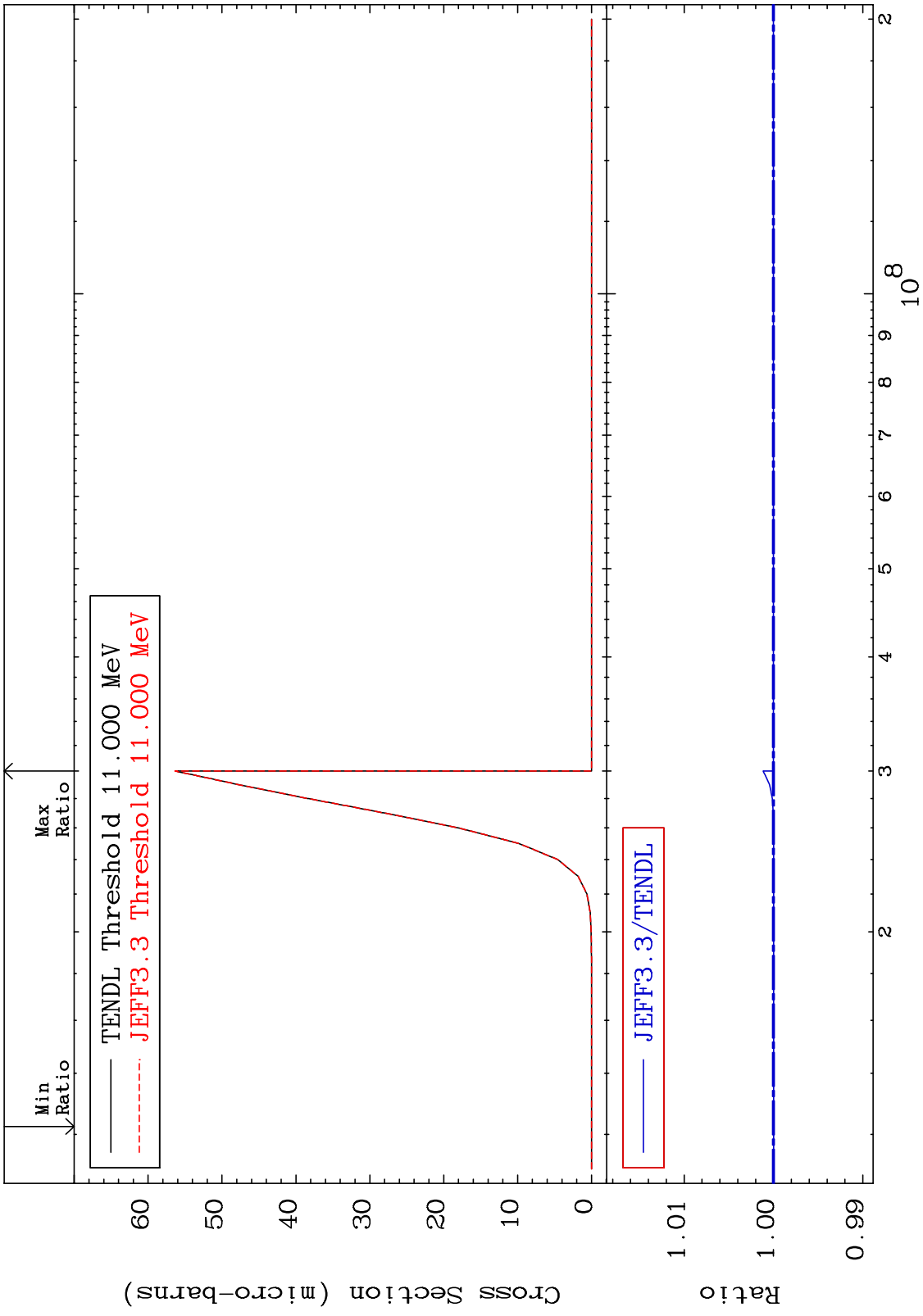


92

Incident Energy (eV)

74-W -180

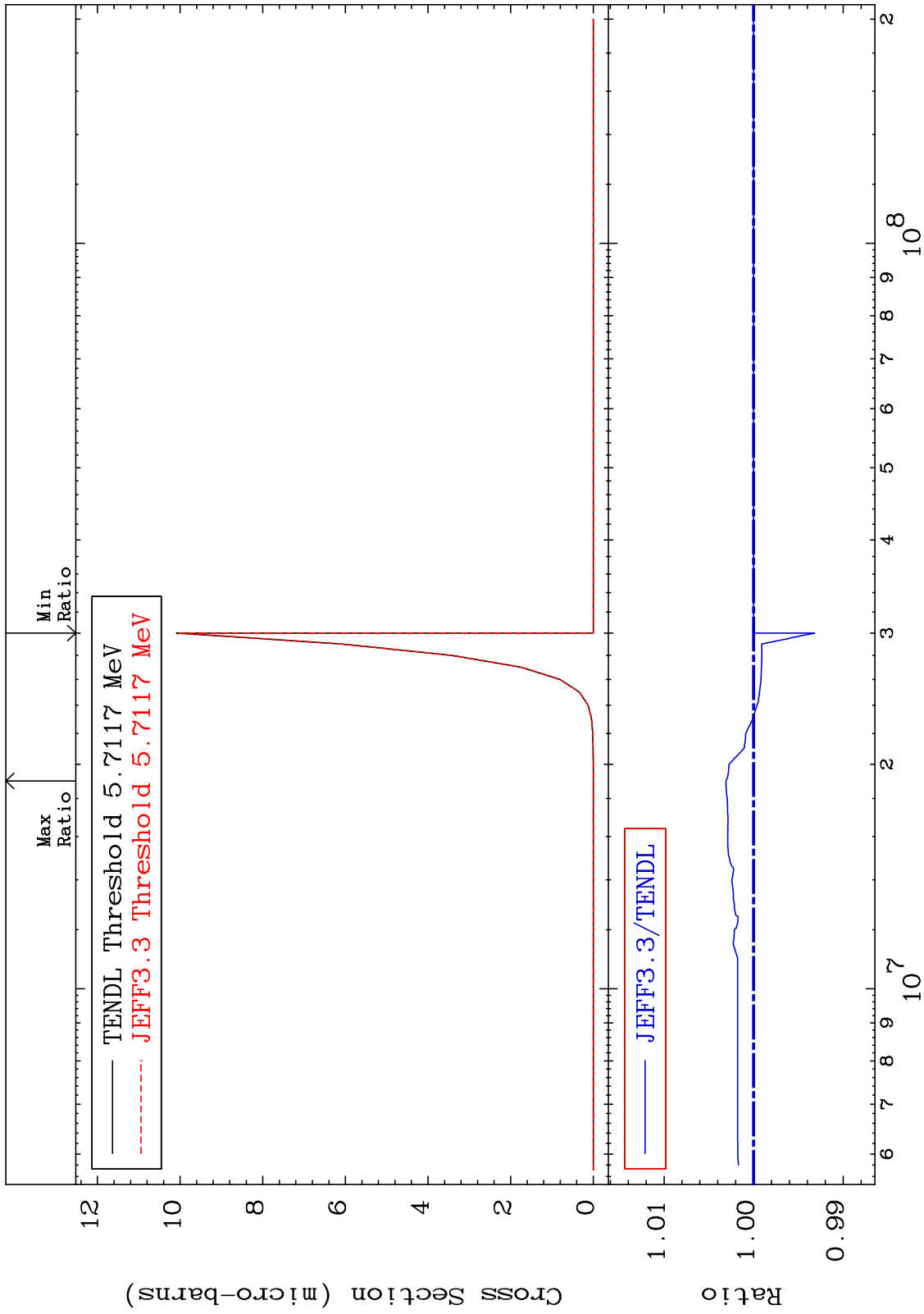
MAT 7425 (n,He-3):72-Hf-178m5 74-W -180  
 Radionuclide Production Cross Section -0.002 To 0.115 %



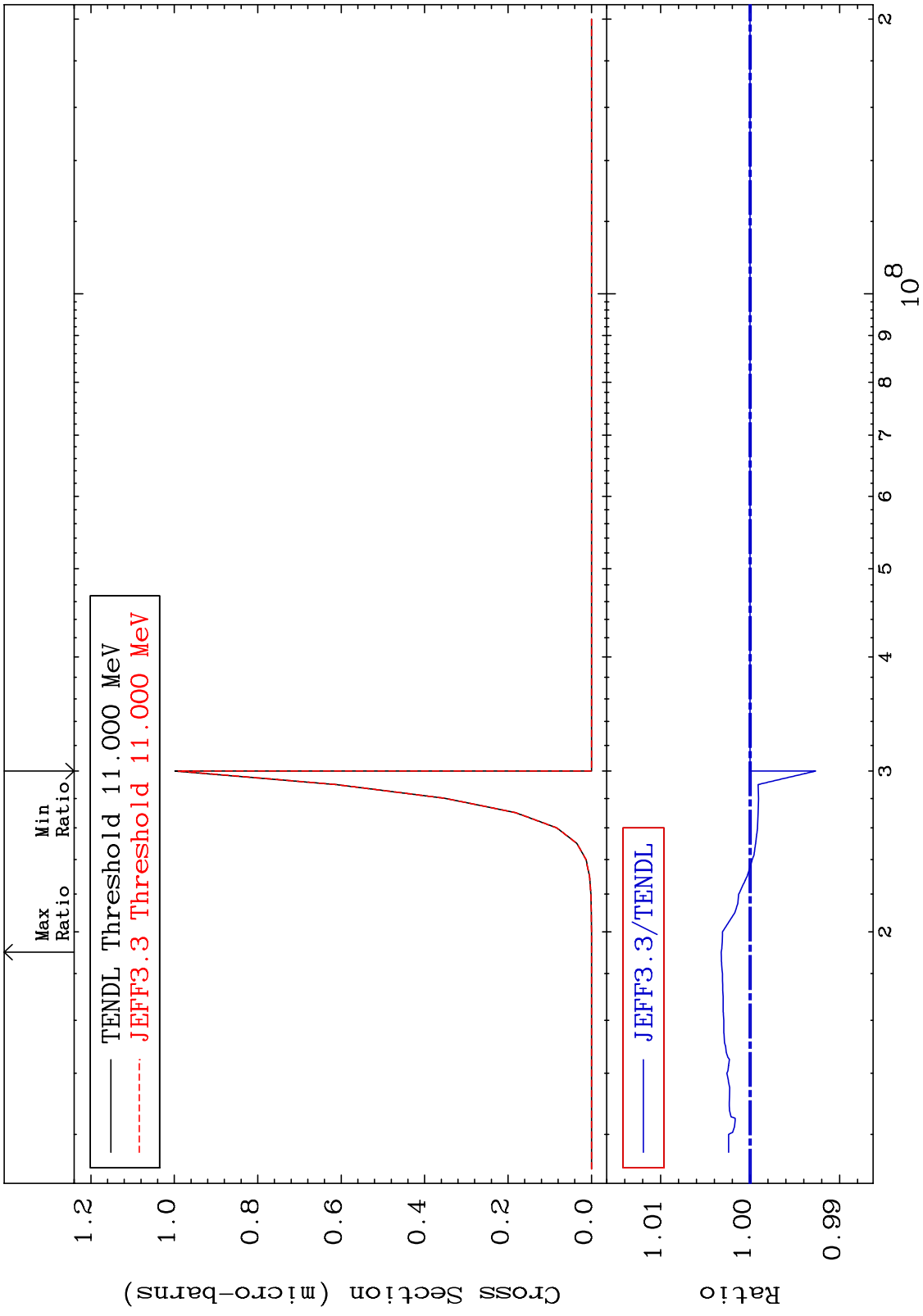
MAT 7425

(n,2p):72-Hf-179g  
Radionuclide Production Cross Section -0.680 To 0.309 %

74-W -180



MAT 7425 (n,2p):72-Hf-179m5 74-W -180  
 Radionuclide Production Cross Section -0.732 To 0.323 %

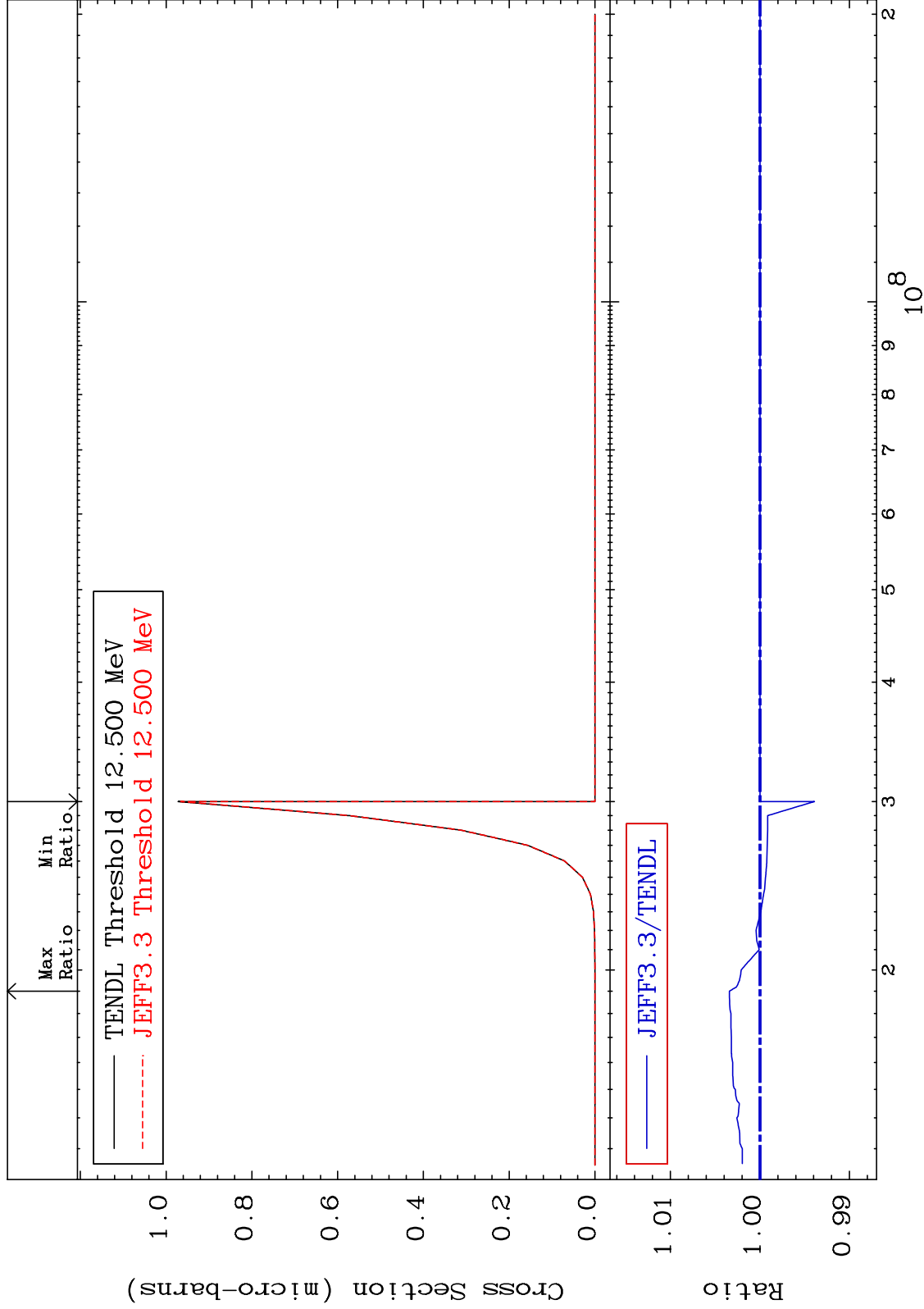


MAT 7425

(n,2p):72-Hf-179m10

74-W -180

Radionuclide Production Cross Section -0.608 To 0.342 %

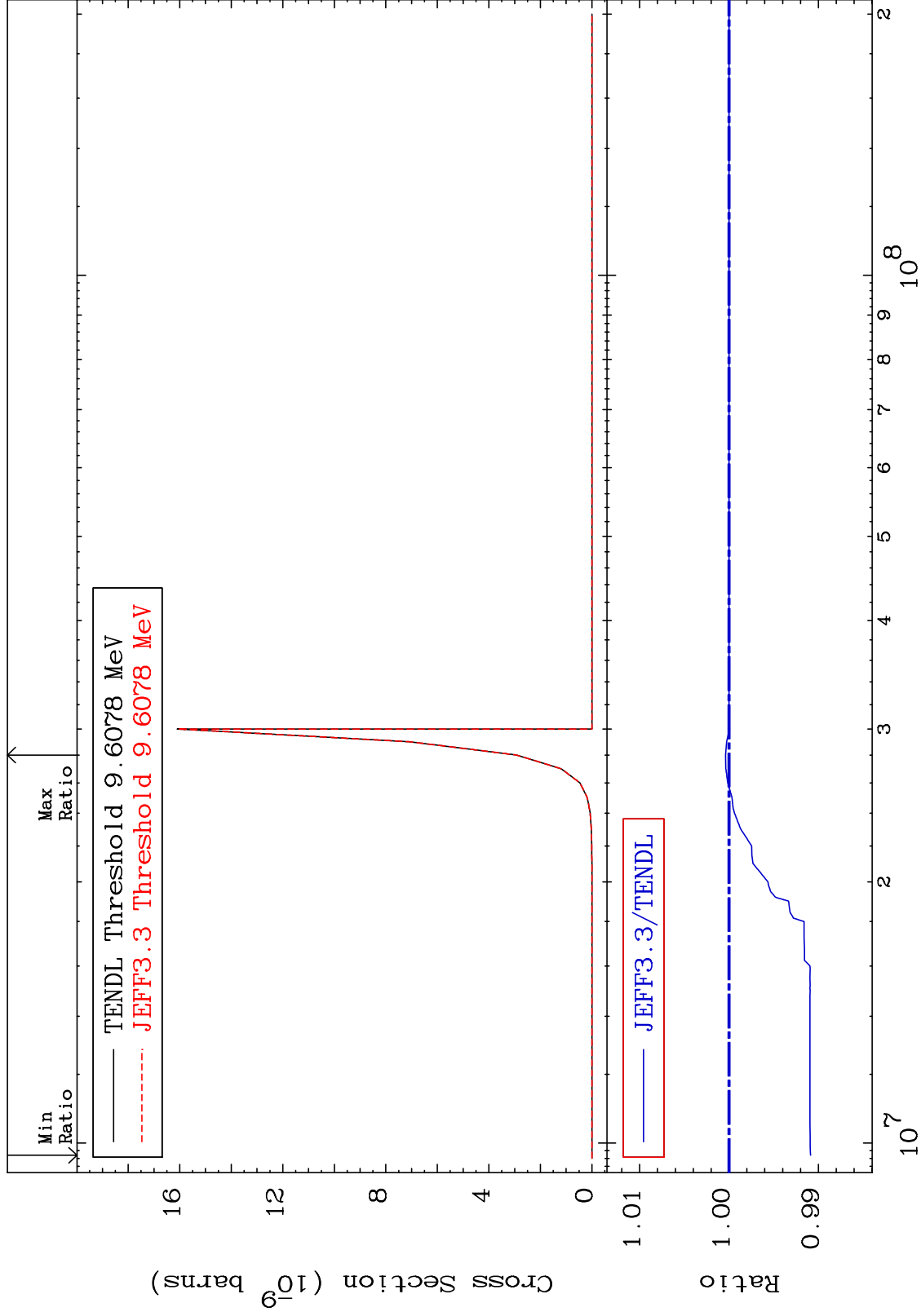


MAT 7425

(n,p) d:72-Hf-178g

74-W -180

Radionuclide Production Cross Section -0.912 To 0.039 %



97

Incident Energy (eV)

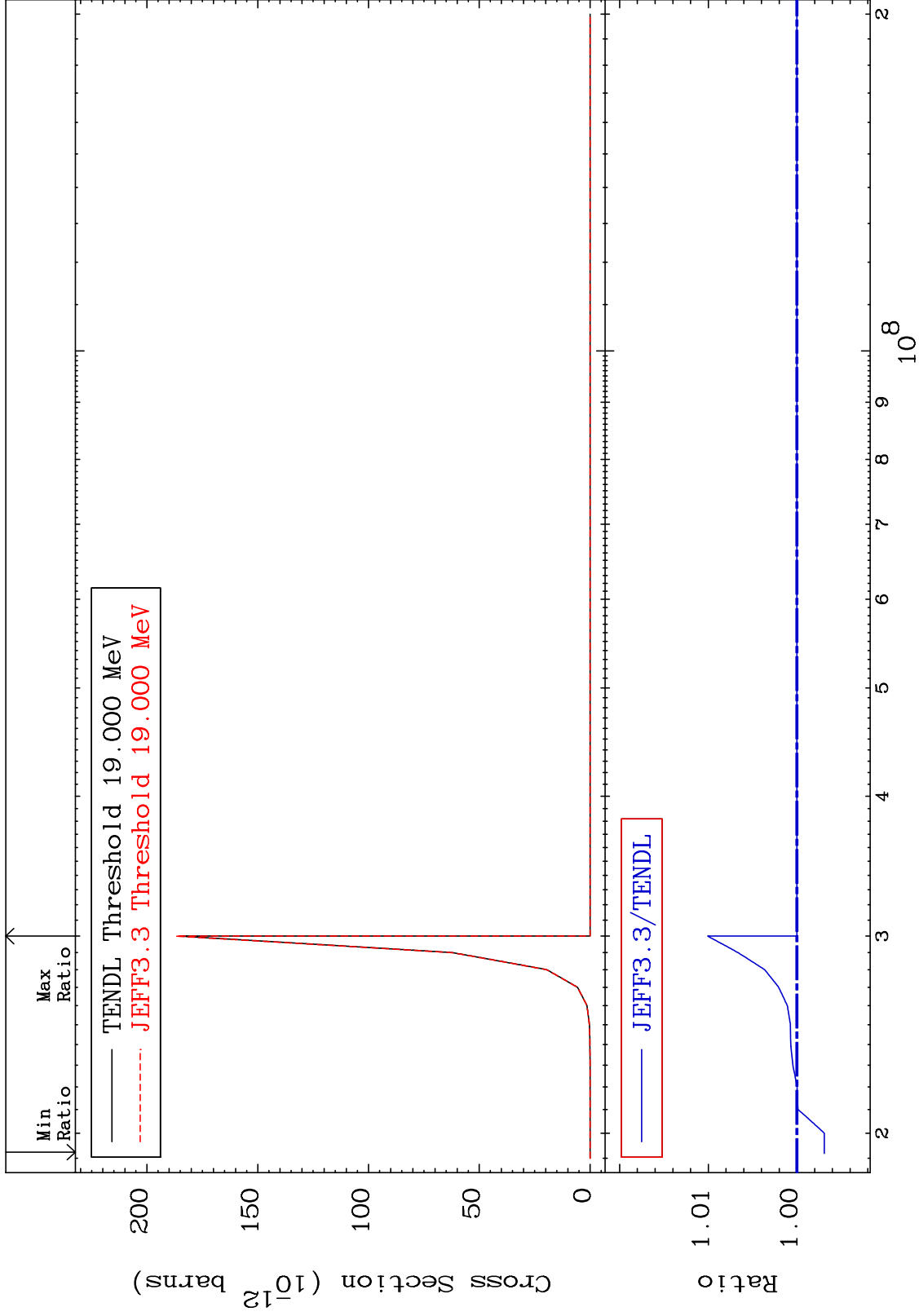
74-W -180

MAT 7425

(n,p) d:72-Hf-178m5

74-W -180

Radionuclide Production Cross Section -0.310 To 1.006 %



98

Incident Energy (eV)

74-W -180

MAT 7425 (n,p) t:72-Hf-177g 74-W -180  
 Radionuclide Production Cross Section 0.000 To 57.25 %

