

Program Complot  
(Version 2018-1)

by

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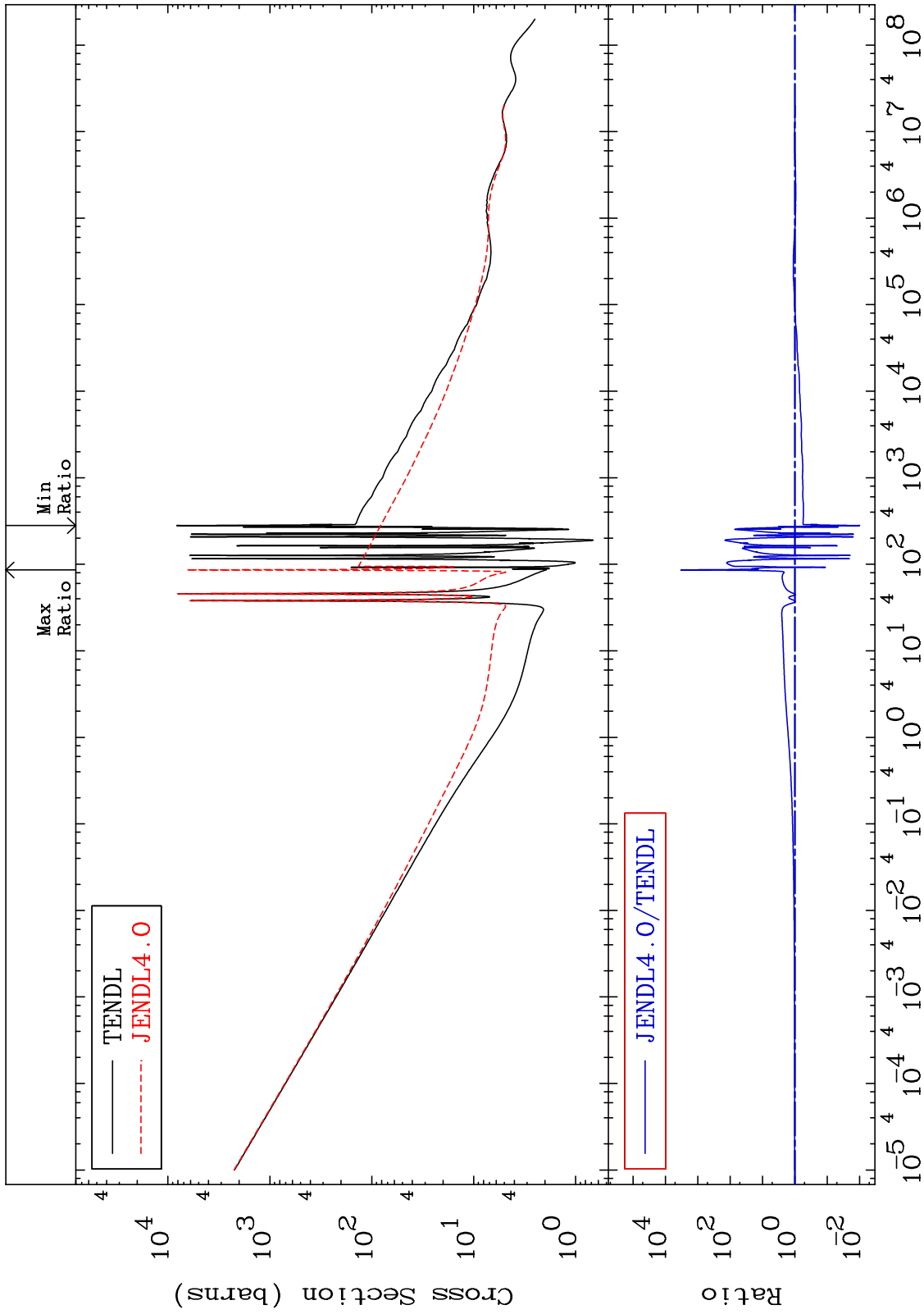
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6631

Total  
Cross Section

66-Dy-158  
-99.00 To 9999. %



Incident Energy (eV)

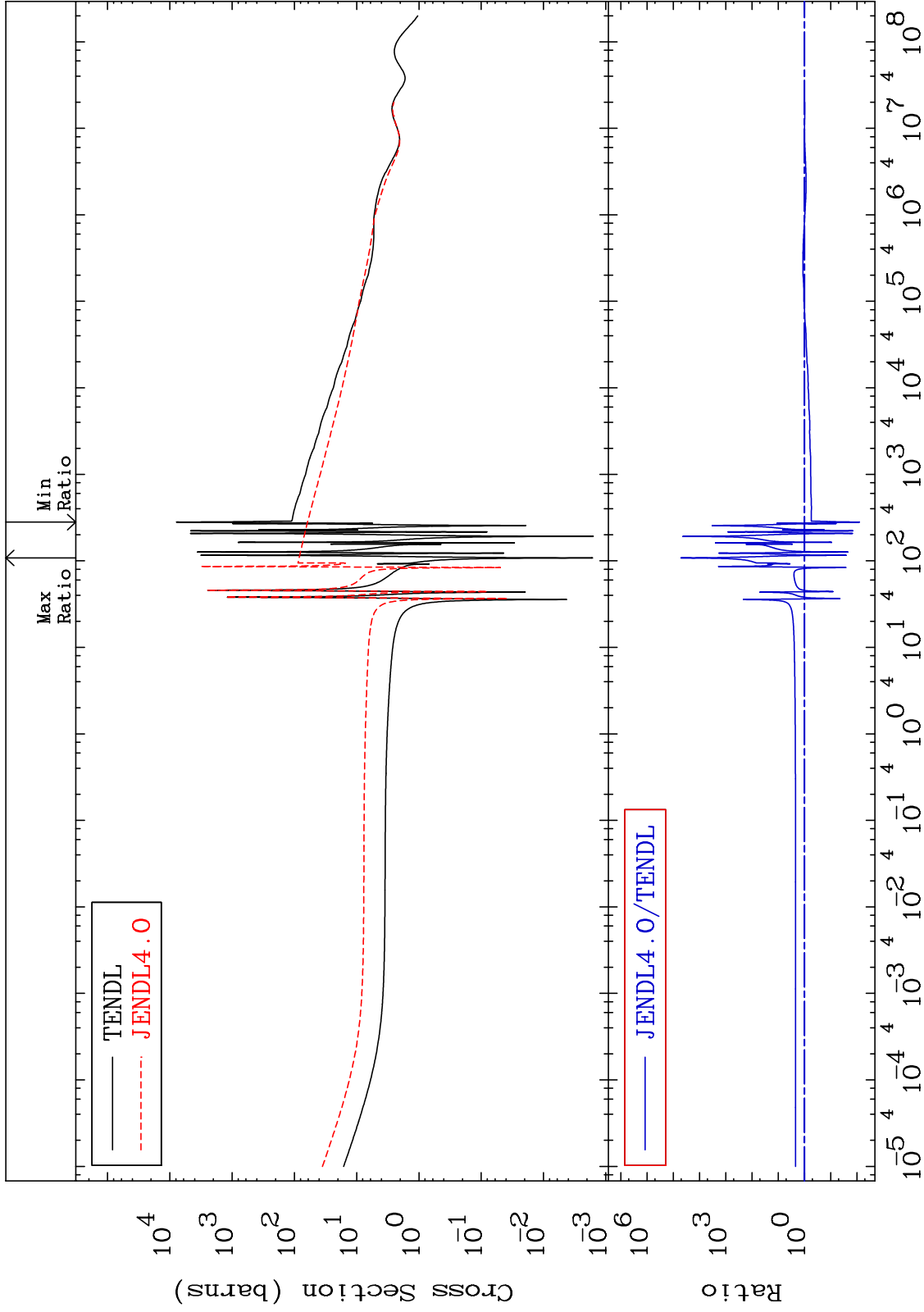
66-Dy-158

1

MAT 6631

Elastic  
Cross Section

66-Dy-158  
-99.21 To 9999. %

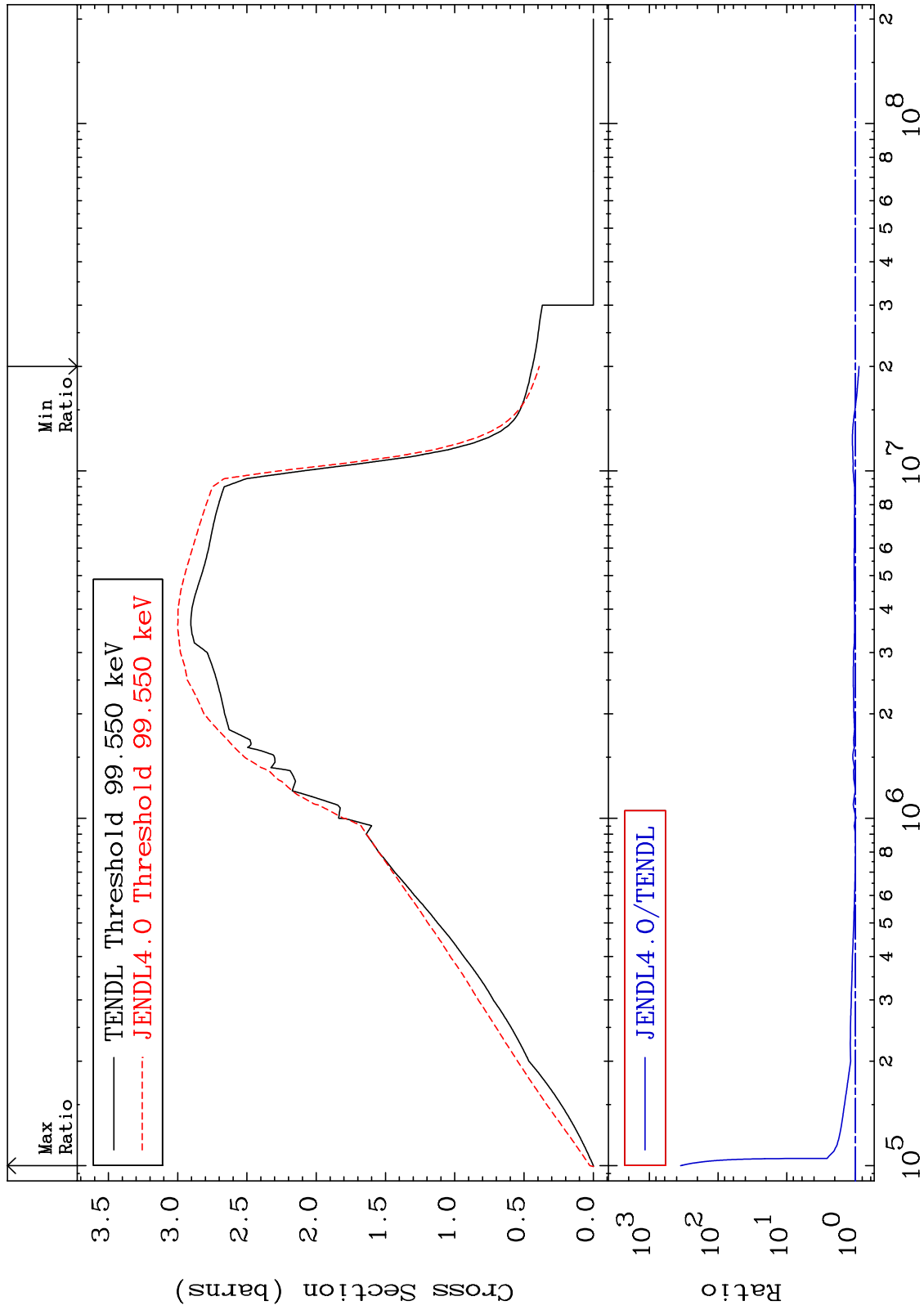


2

Incident Energy (eV)

66-Dy-158

MAT 6631 Inelastic Cross Section 66-Dy-158 -11.11 To 9999. %



3 Incident Energy (eV) 66-Dy-158

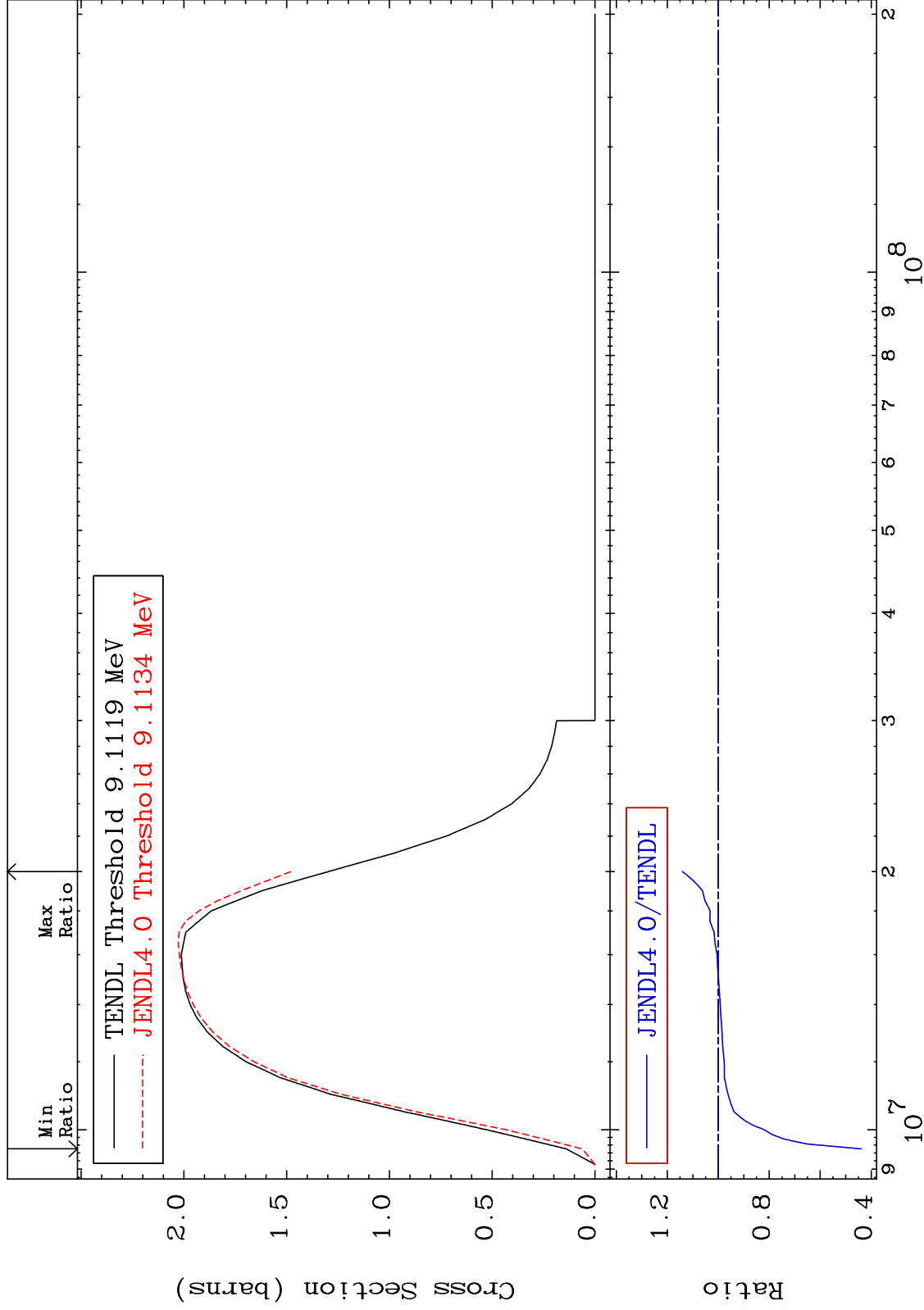
MAT 6631

(n,2n)

66-Dy-158

-56.11 To 14.05 %

Cross Section



4

Incident Energy (eV)

66-Dy-158

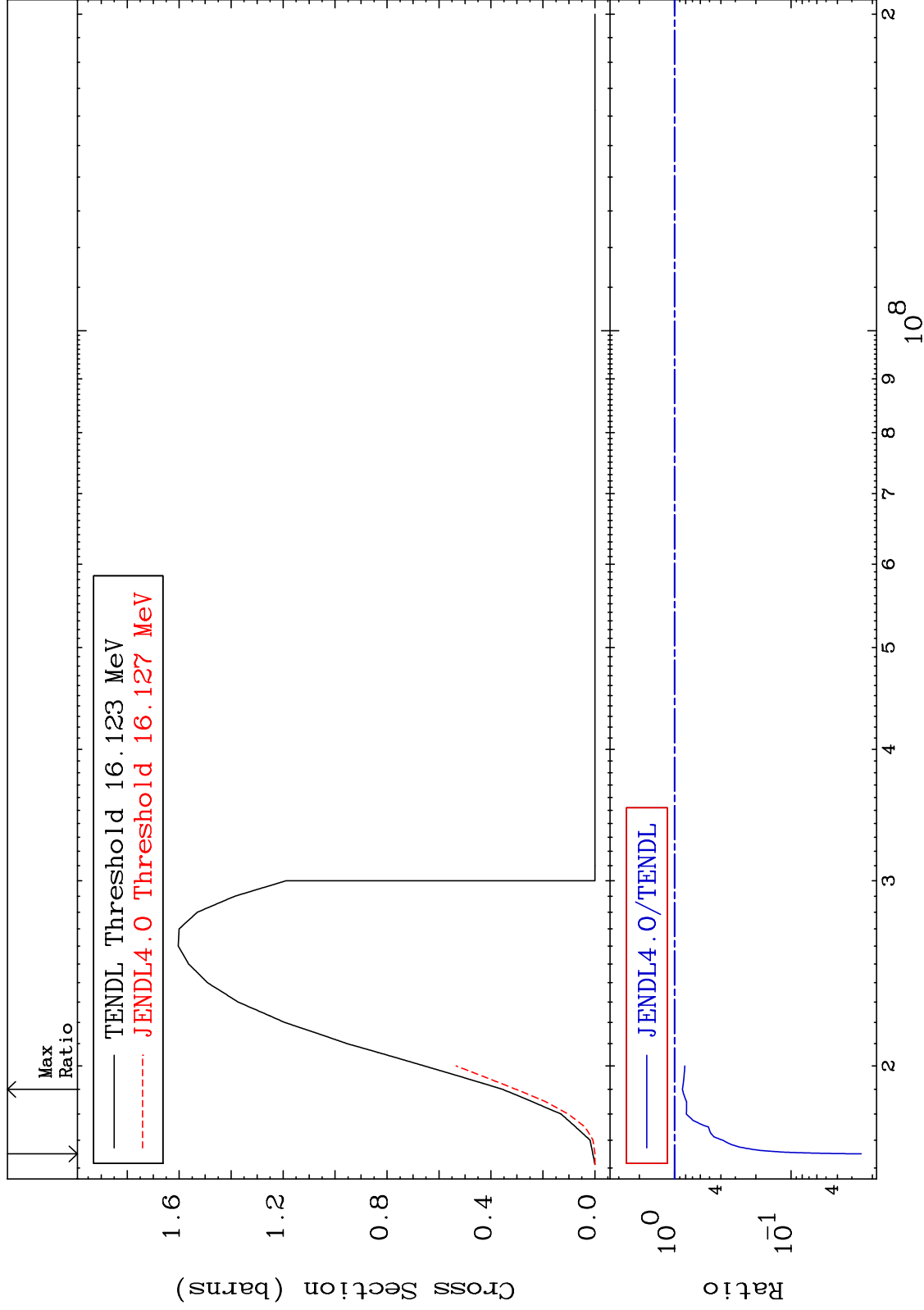
MAT 6631

(n,3n)

66-Dy-158

Cross Section

-97.51 To -14.64%



5

Incident Energy (eV)

66-Dy-158

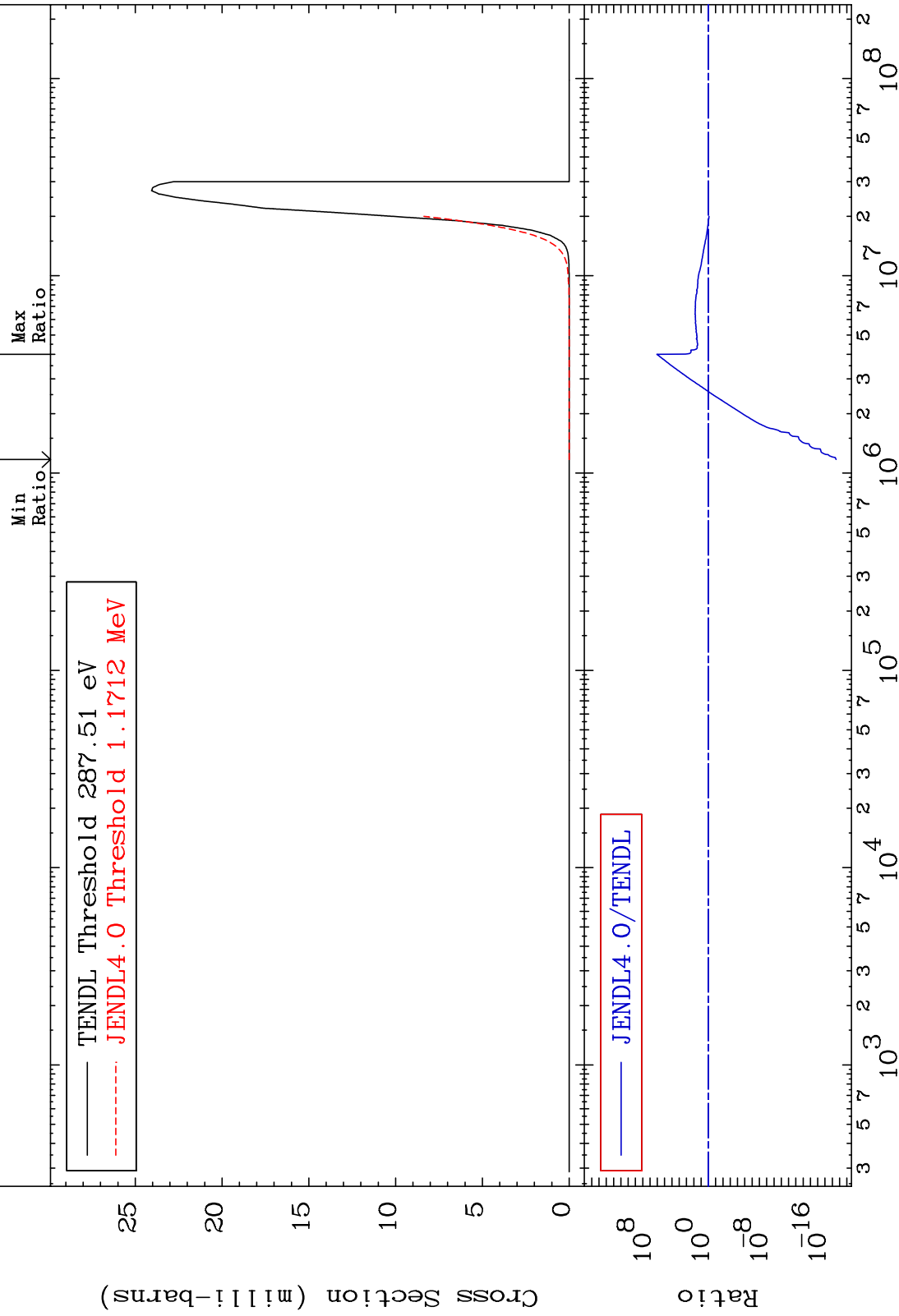
MAT 6631

(n, n')  $\alpha$

66-Dy-158

-100.0 To 9999. %

Cross Section



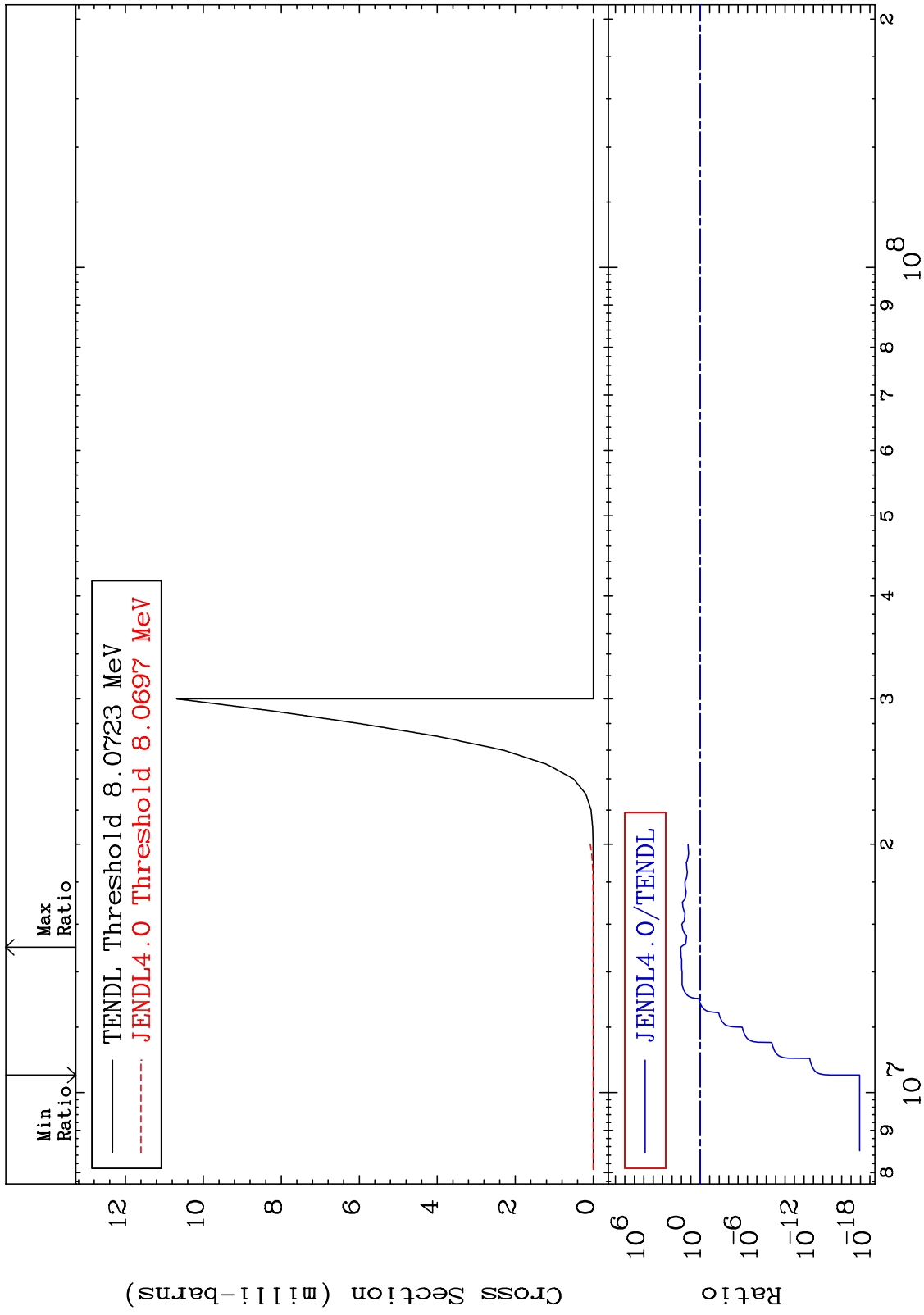
MAT 6631

(n,2n)  $\alpha$

66-Dy-158

Cross Section

-100.0 To 9999. %



7

Incident Energy (eV)

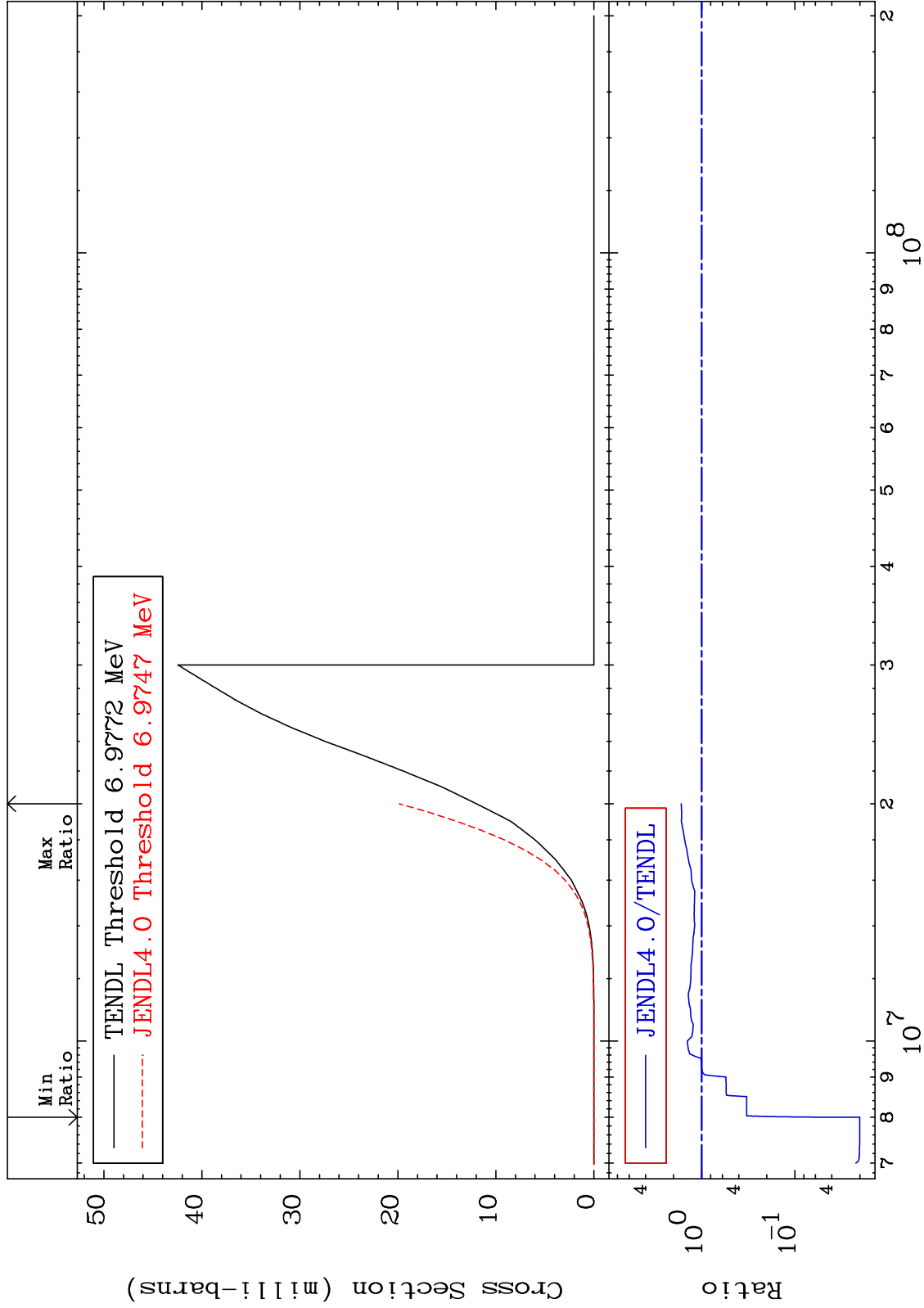
66-Dy-158



MAT 6631

(n,n') p  
Cross Section

66-Dy-158  
-97.99 To 65.63 %

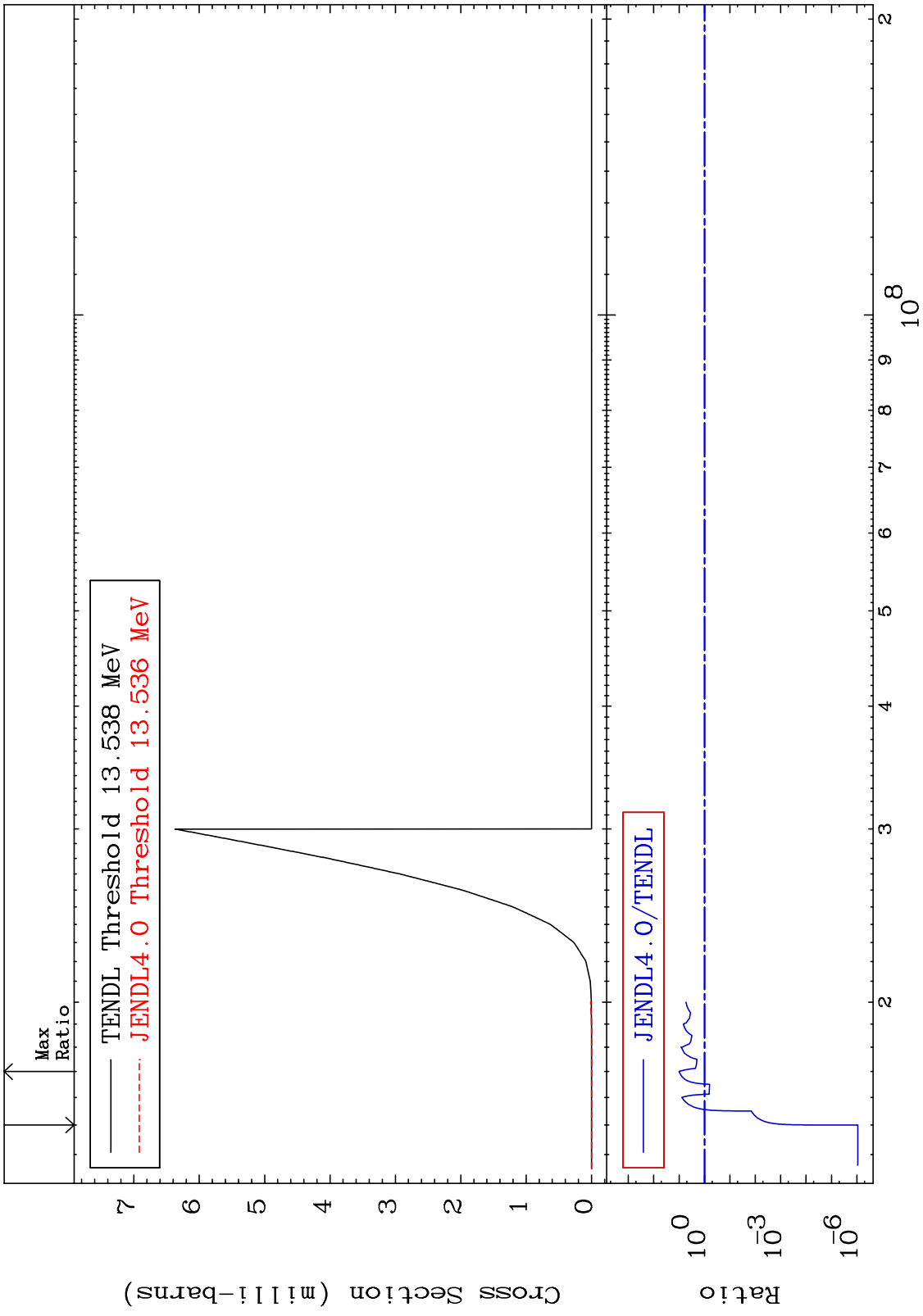


8

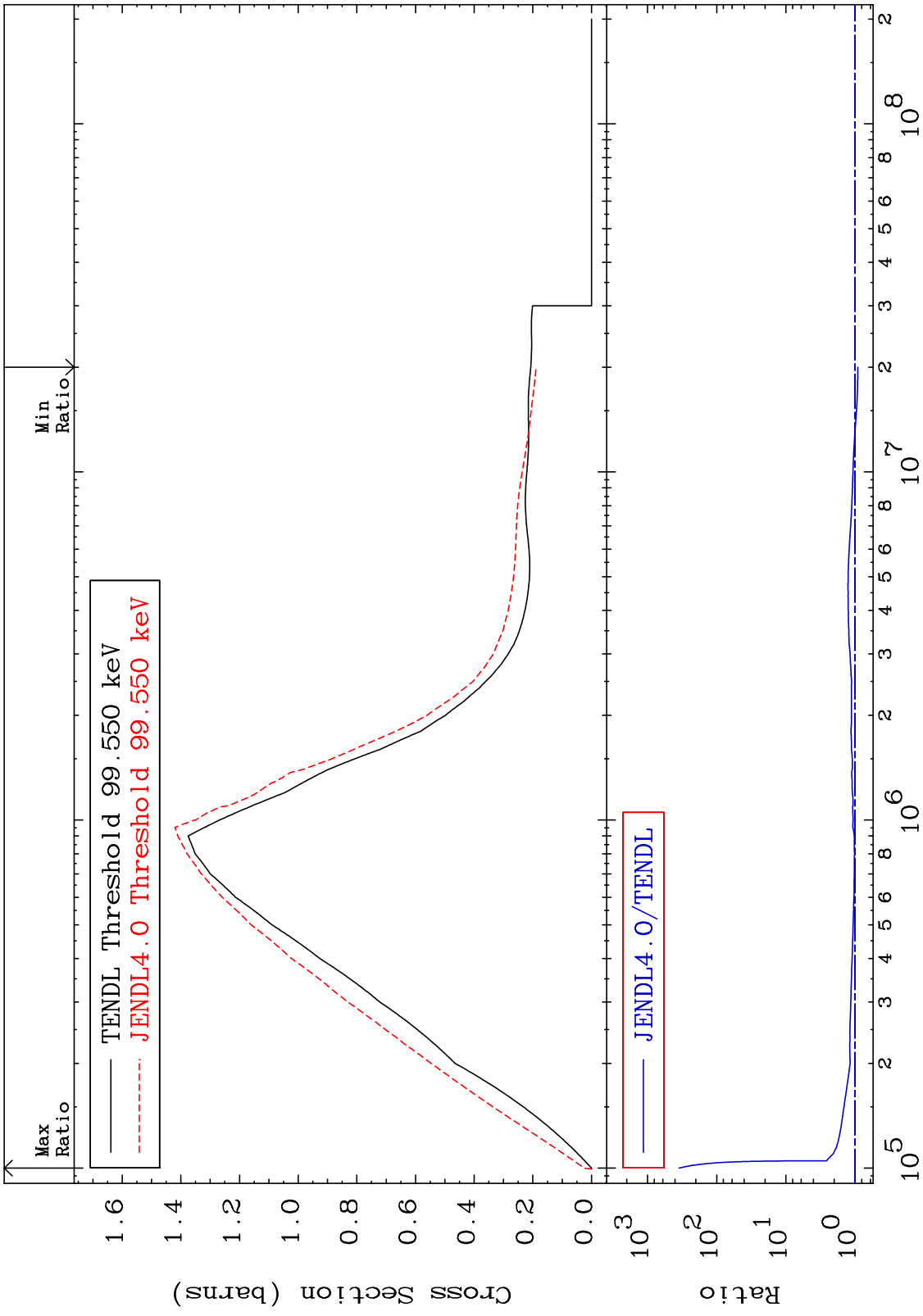
Incident Energy (eV)

66-Dy-158

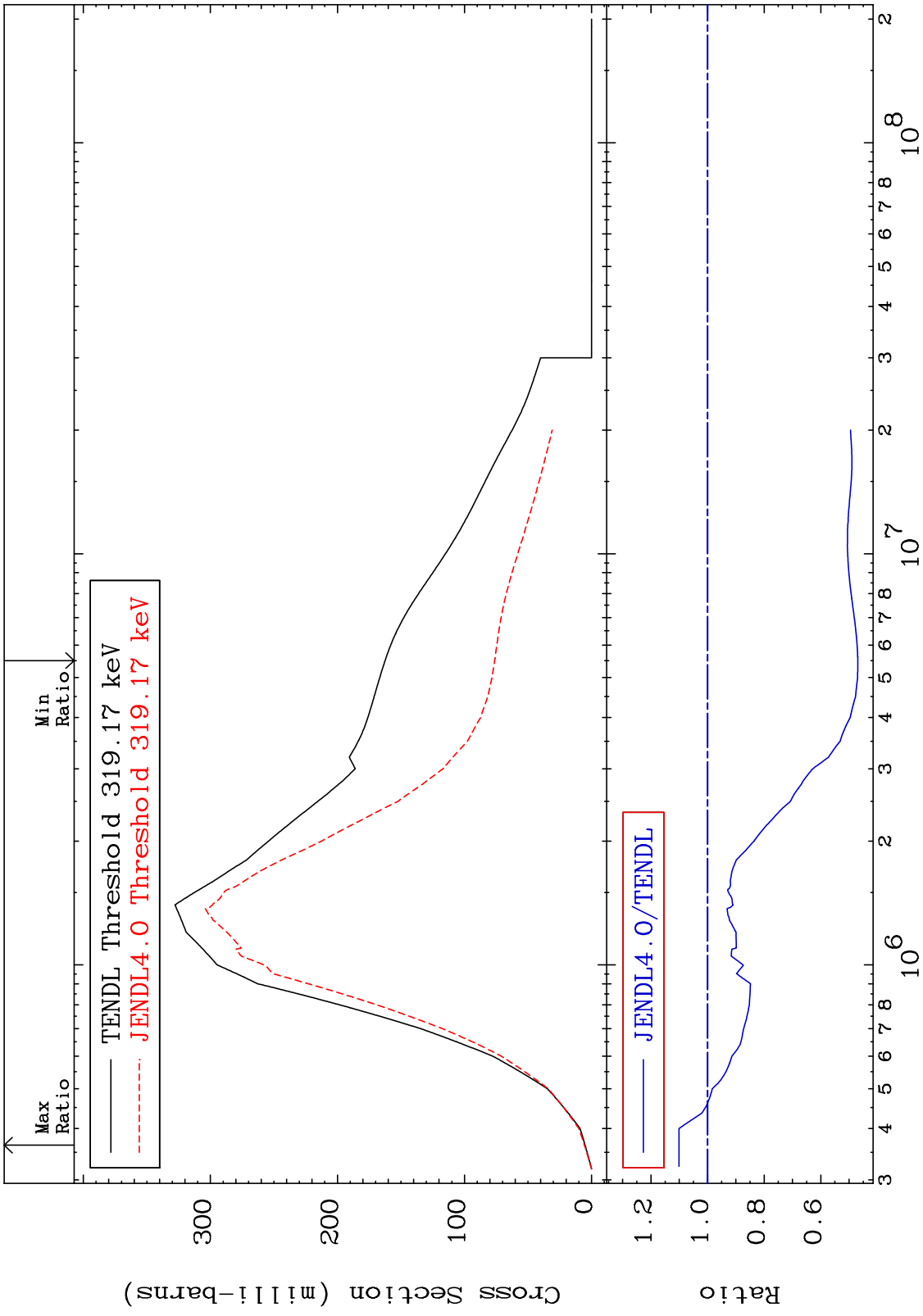
MAT 6631 (n,n') d 66-Dy-158  
 Cross Section -100.0 To 906.1 %



MAT 6631      MT= 51 (n,n') Level      66-Dy-158  
Cross Section      -8.931 To 9999. %



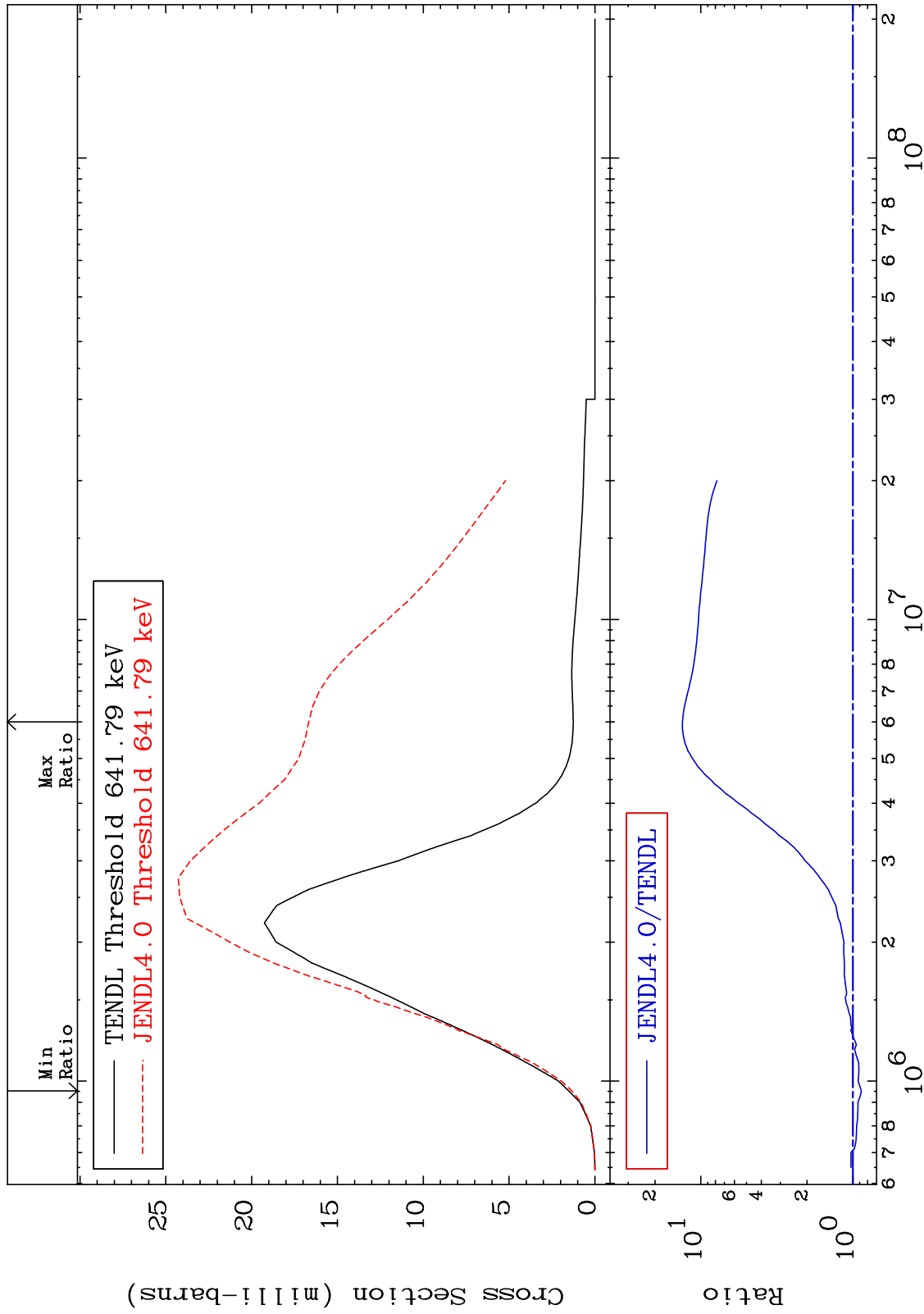
MAT 6631 MT= 52 (n,n') Level Cross Section 66-Dy-158  
 -53.11 To 10.07 %



MAT 6631

MT= 53 (n,n') Level  
Cross Section

66-Dy-158  
-11.98 To 1219. %



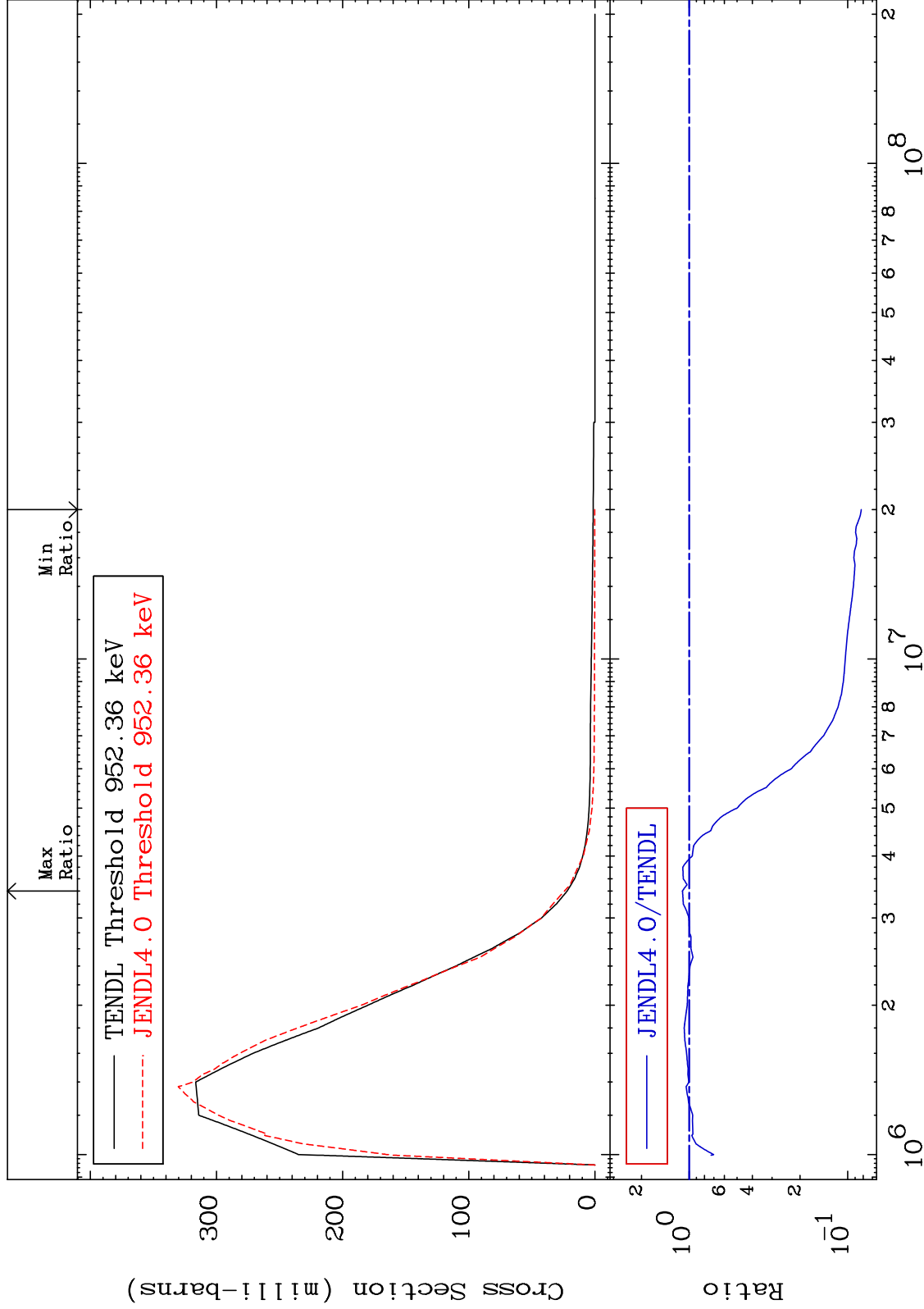
12

66-Dy-158

MAT 6631

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

66-Dy-158  
-91.78 To 10.31 %



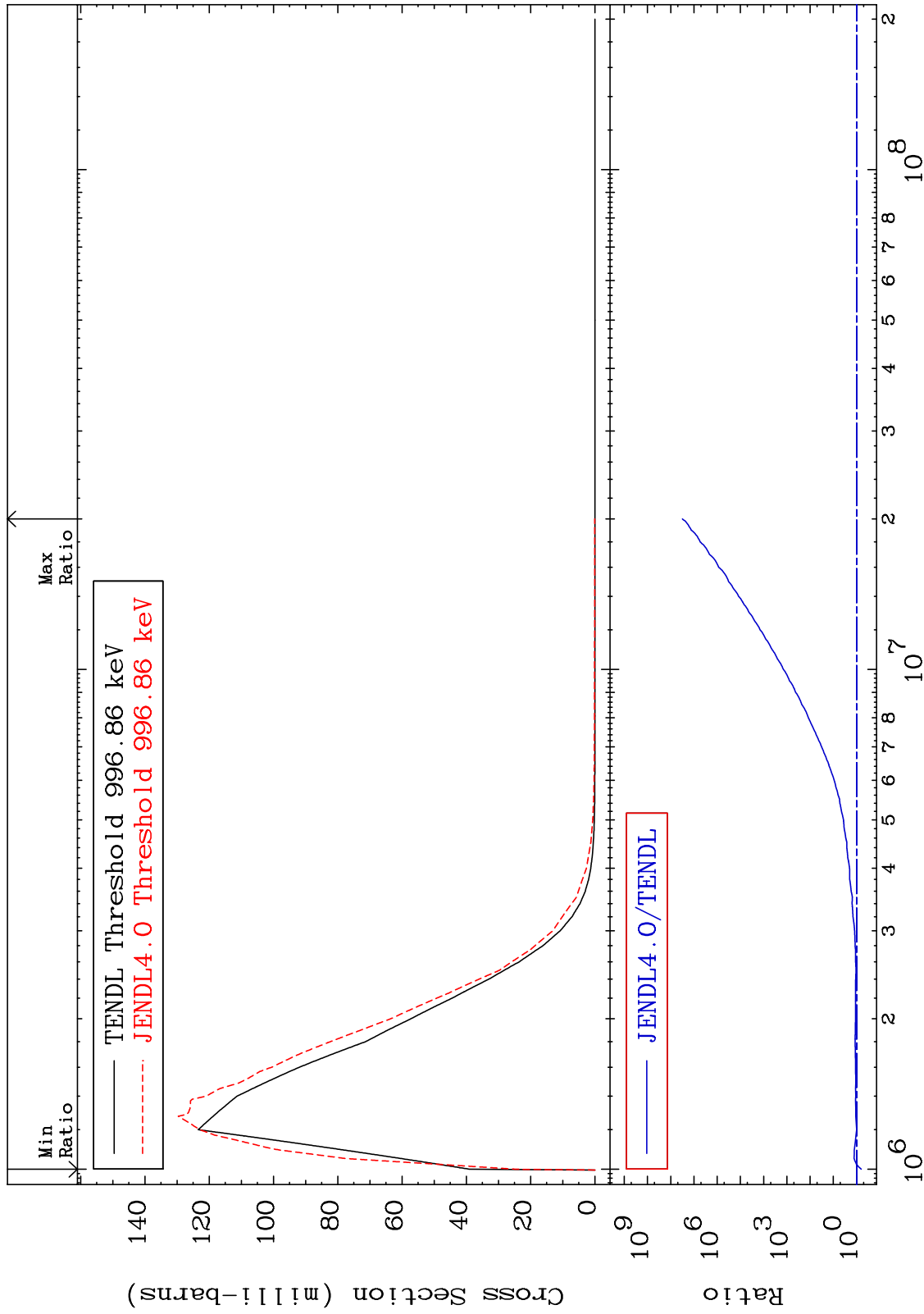
13

66-Dy-158

MAT 6631

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

66-Dy-158  
-37.42 To 9999. %



14

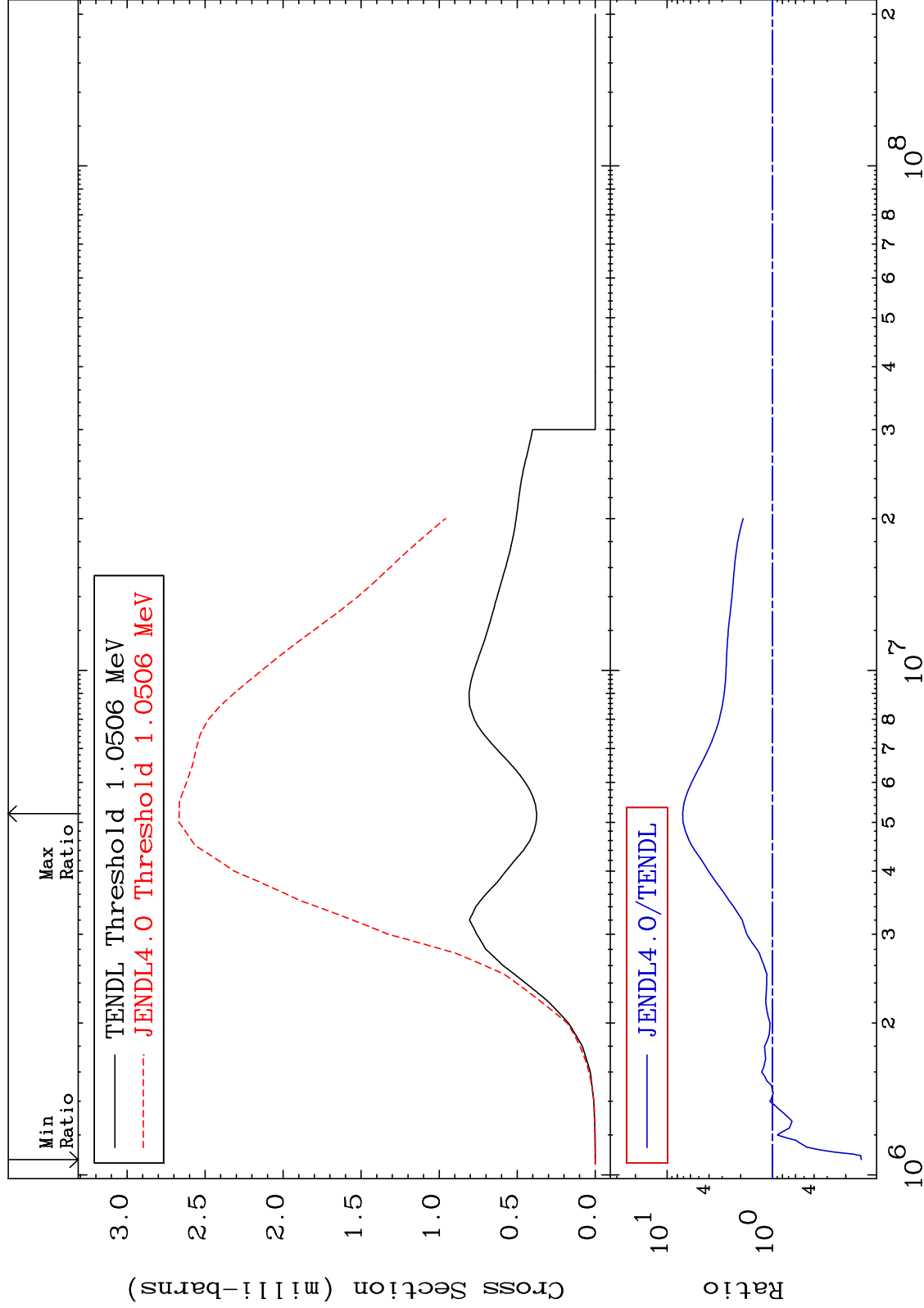
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158  
-85.76 To 610.9 %



15

Incident Energy (eV)

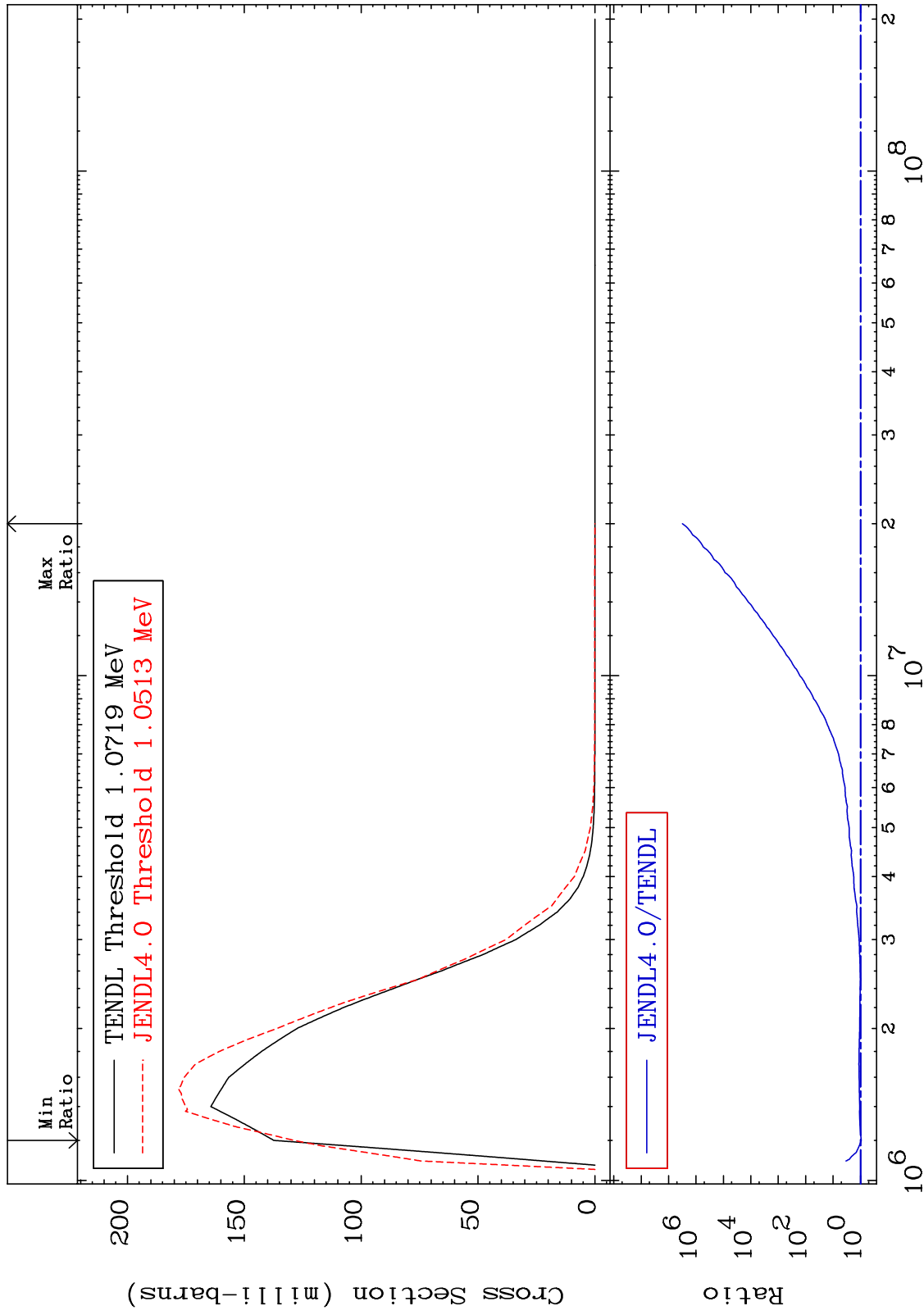
66-Dy-158



MAT 6631

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

66-Dy-158  
-6.315 To 9999. %

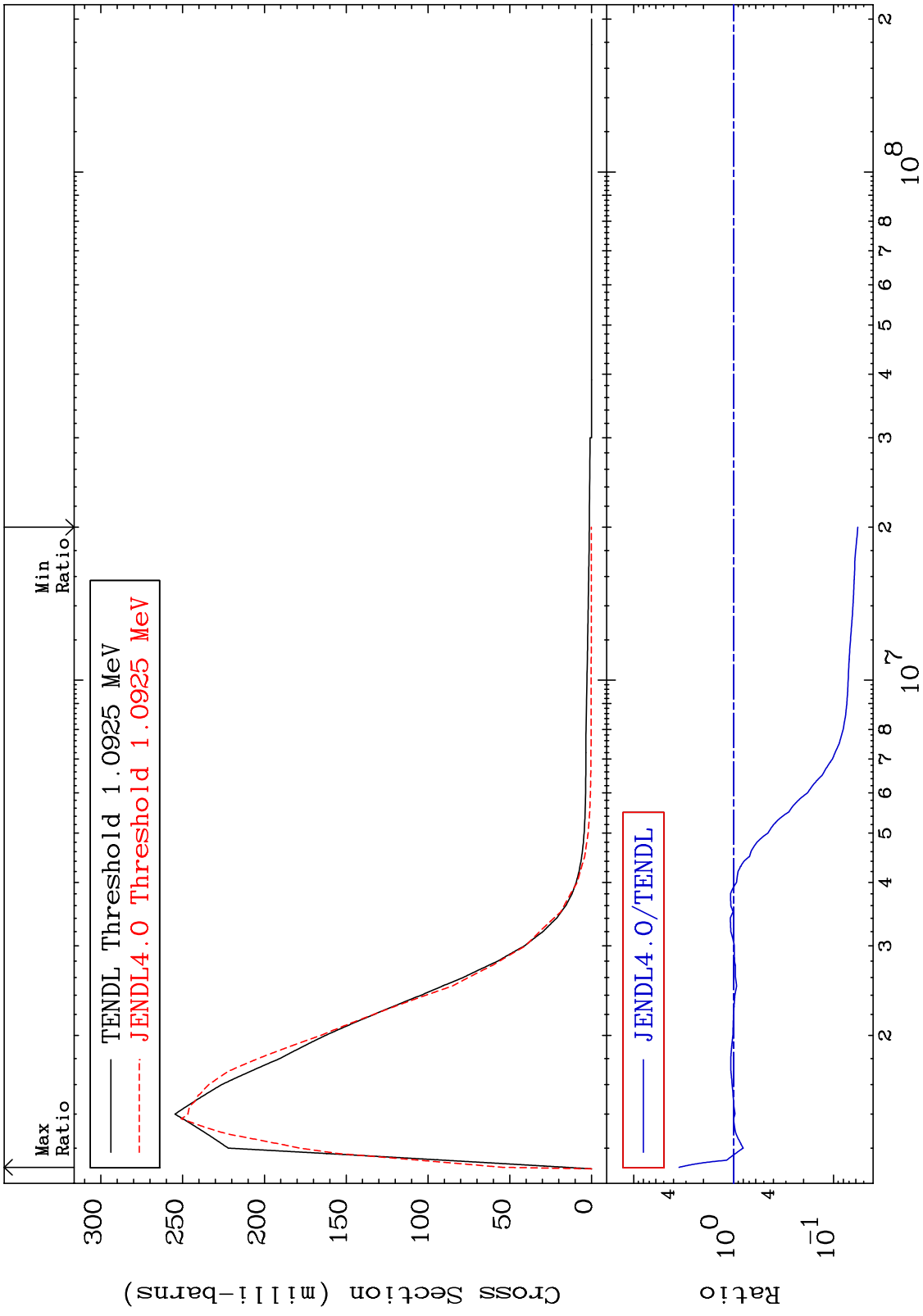


16

Incident Energy (eV)

66-Dy-158

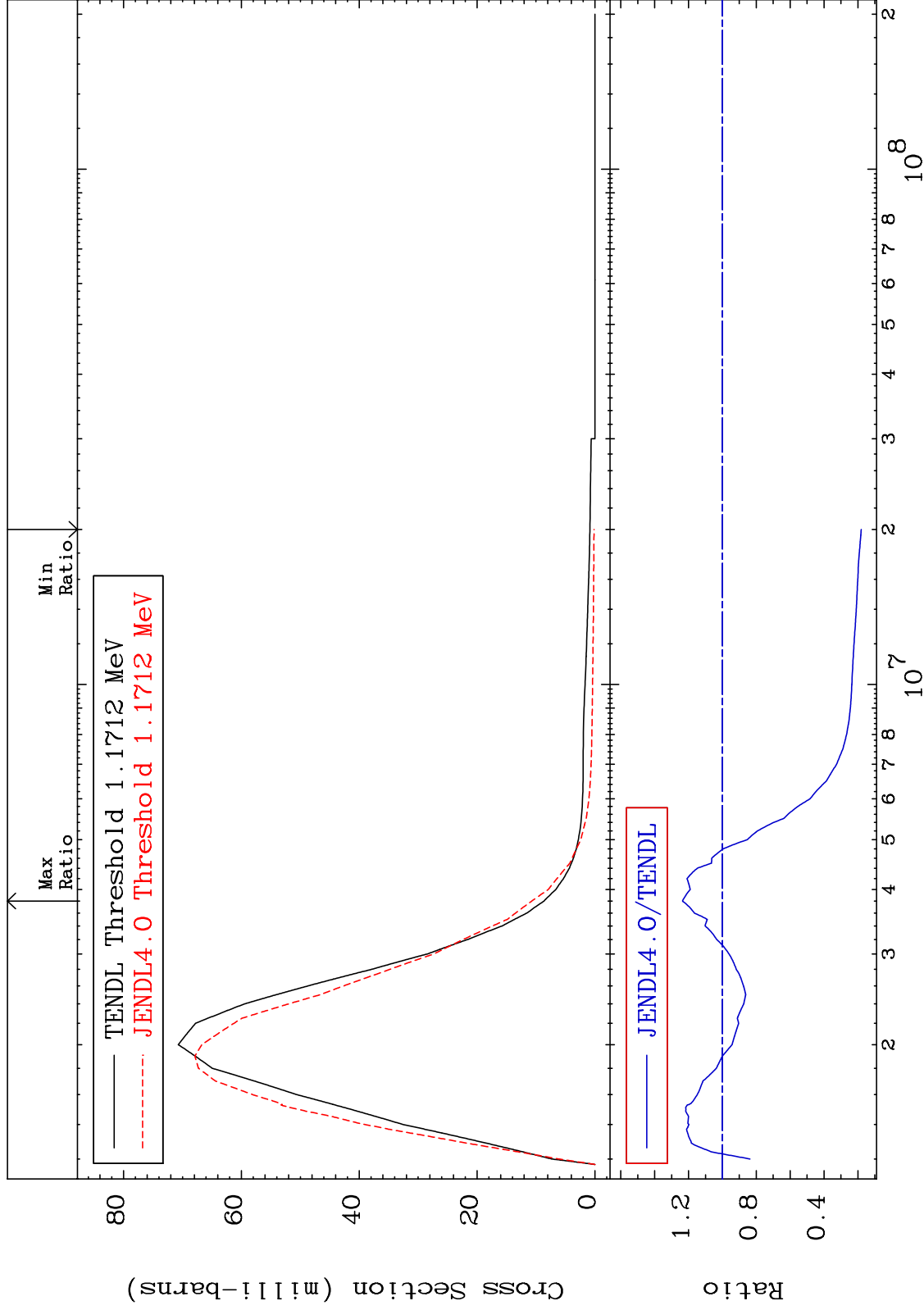
MAT 6631 MT= 58 (n,n') Level Cross Section 66-Dy-158  
 -94.28 To 251.7 %



MAT 6631

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

66-Dy-158  
-82.02 To 23.60 %



18

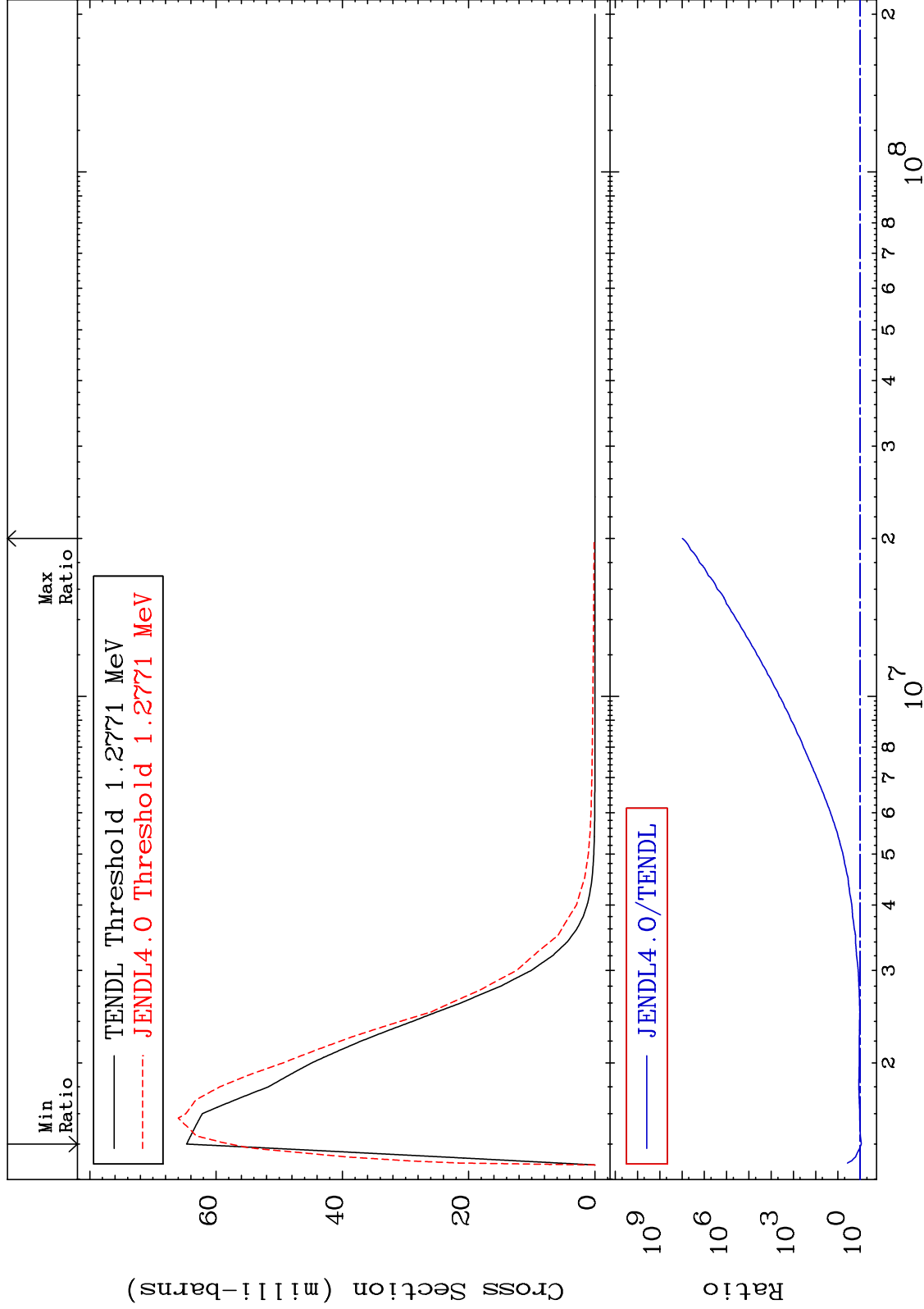
Incident Energy (eV)

66-Dy-158

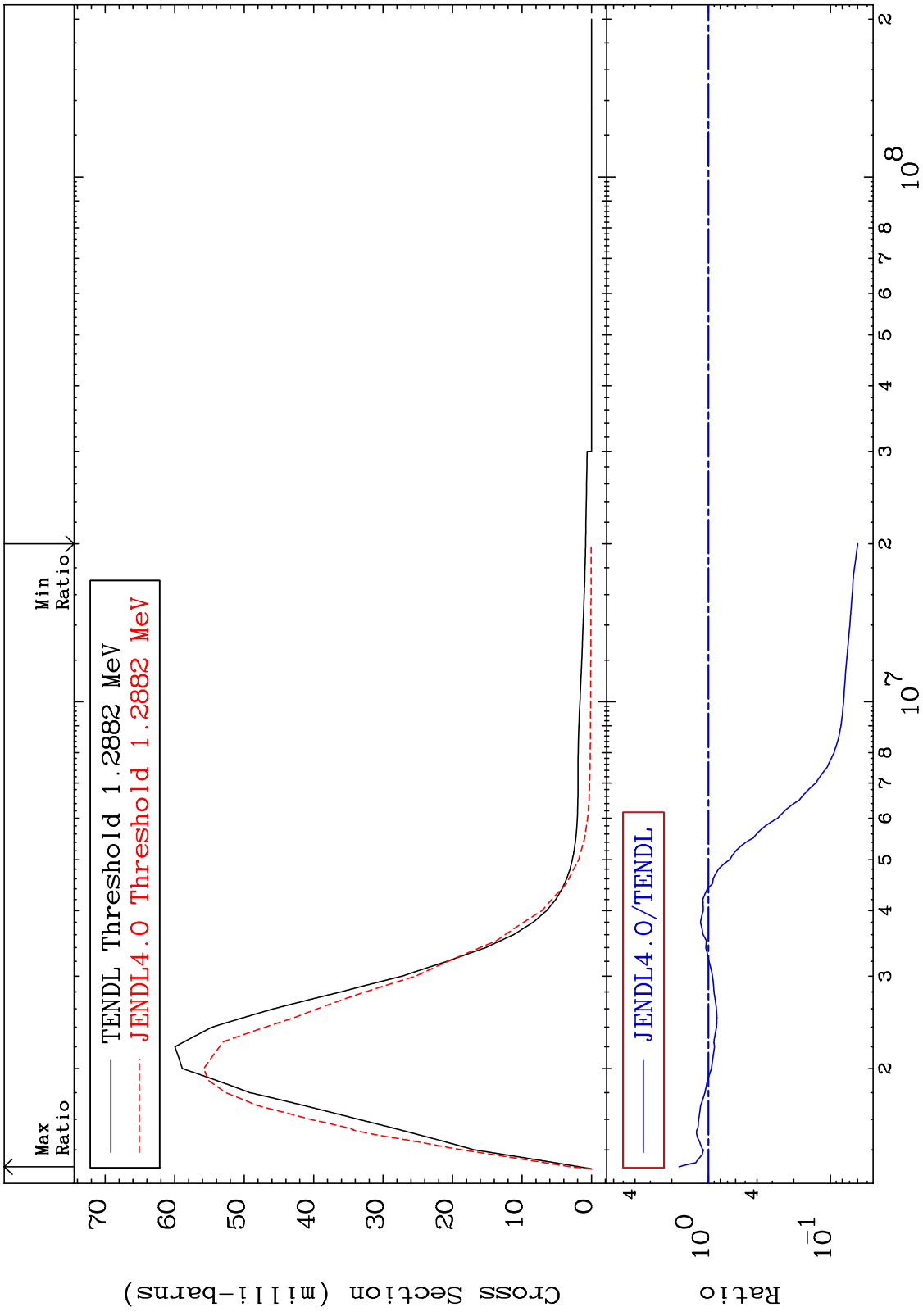
MAT 6631

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

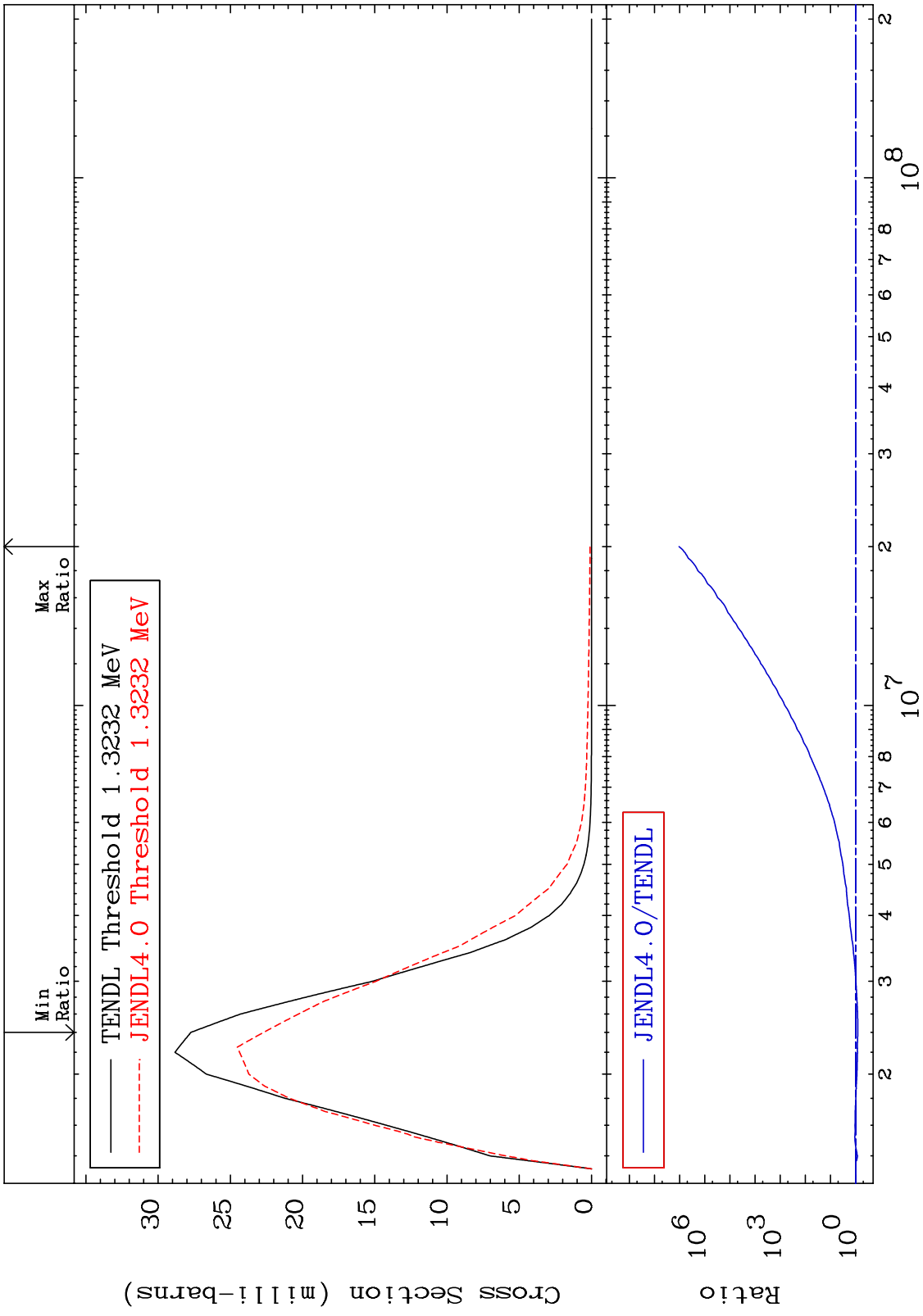
66-Dy-158  
-10.71 To 9999. %



MAT 6631      MT= 61 (n,n') Level      66-Dy-158  
 Cross Section      -94.03 To 74.52 %



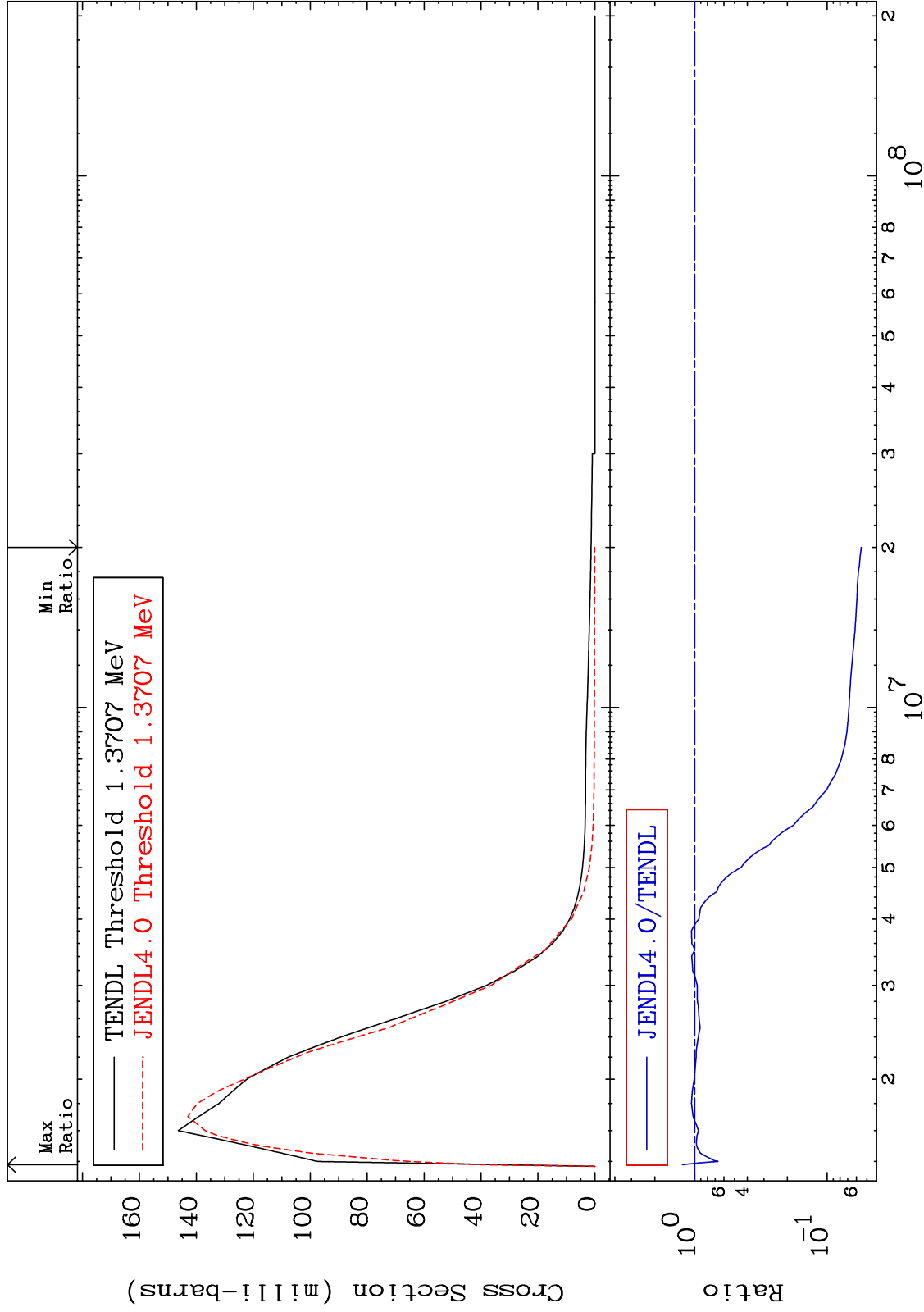
MAT 6631 MT= 62 (n,n') Level Cross Section 66-Dy-158  
 -18.15 To 9999. %



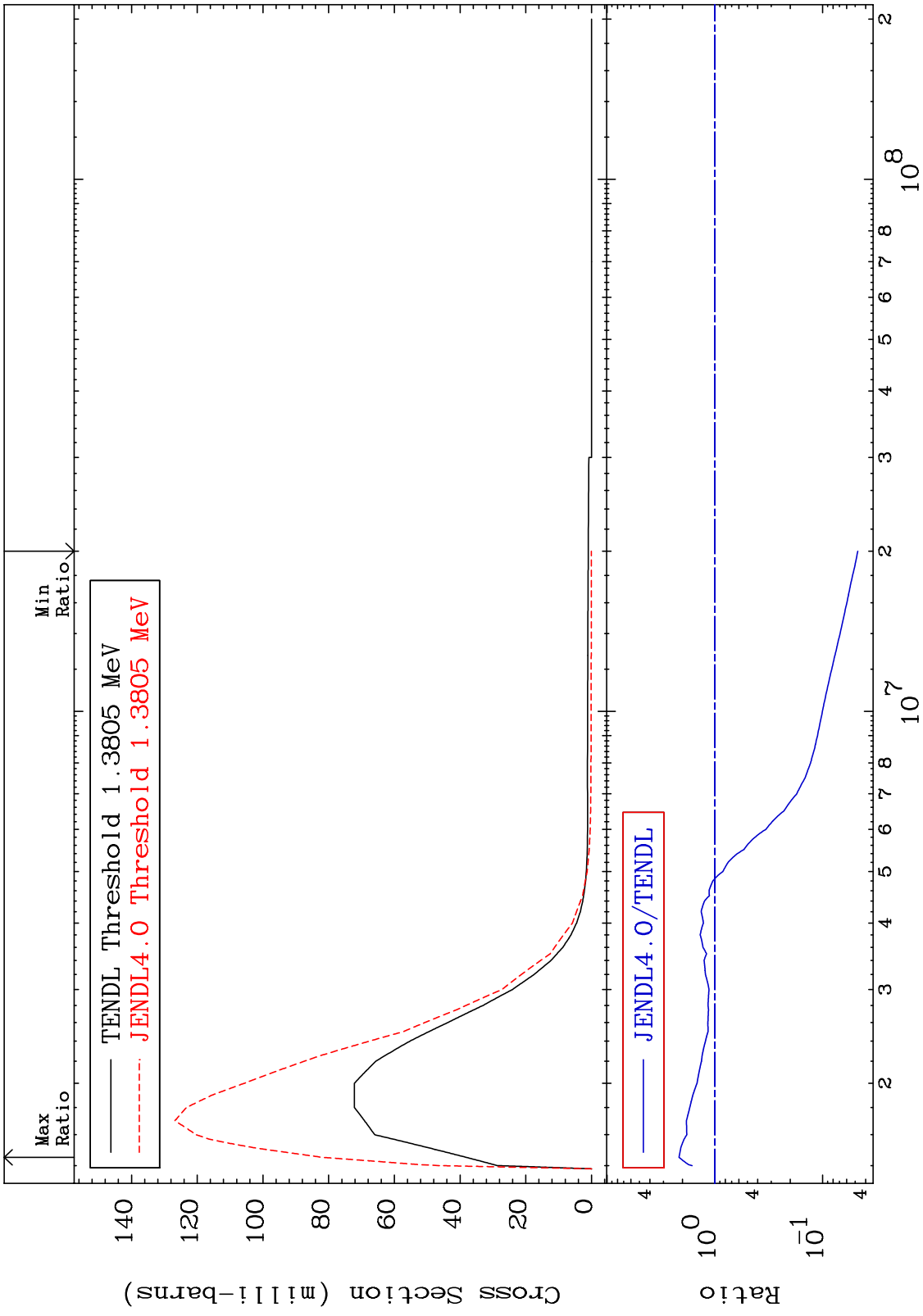
MAT 6631

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

66-Dy-158  
-94.48 To 23.60 %

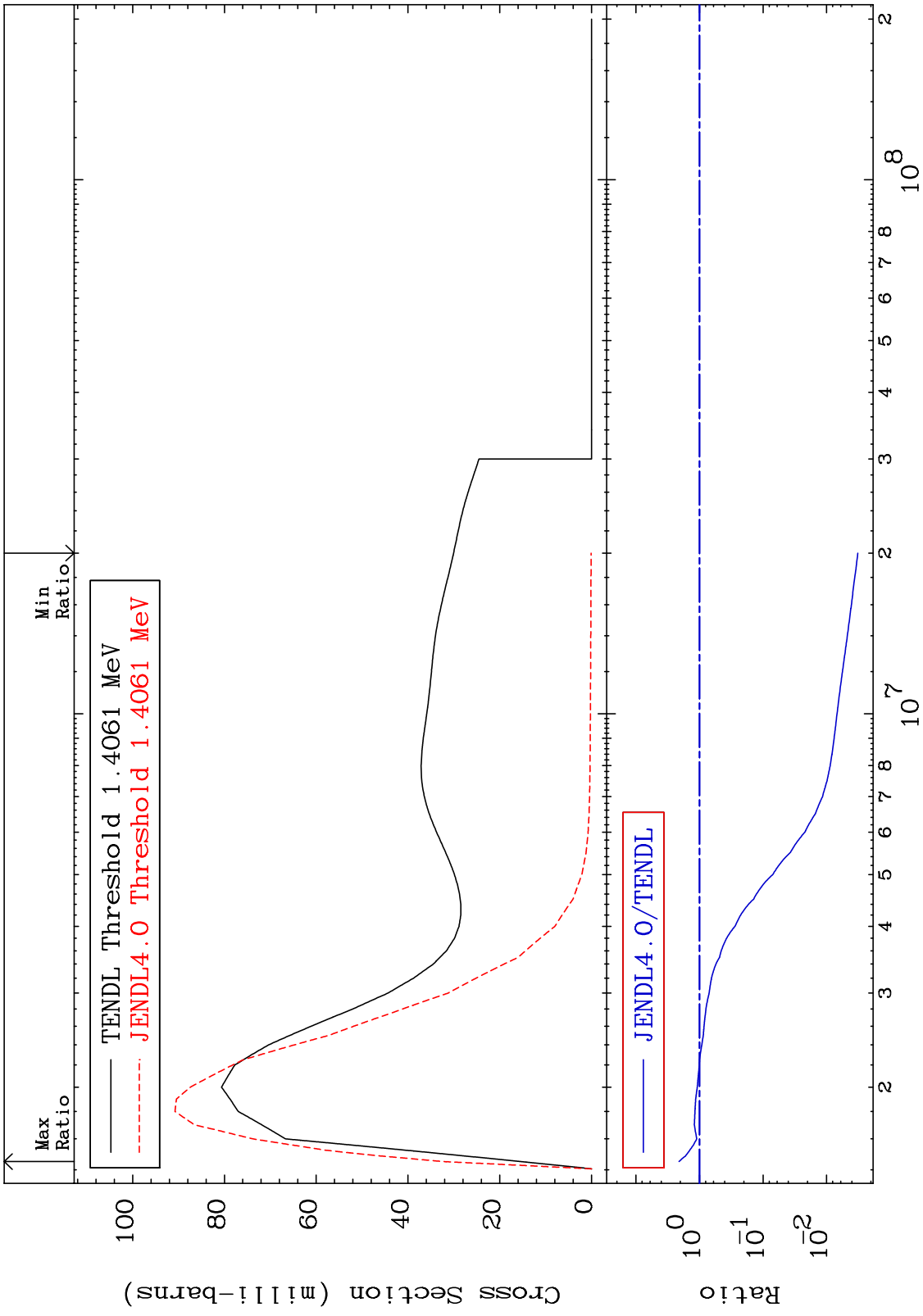


MAT 6631 MT= 64 (n,n') Level Cross Section 66-Dy-158 -95.28 To 114.8 %





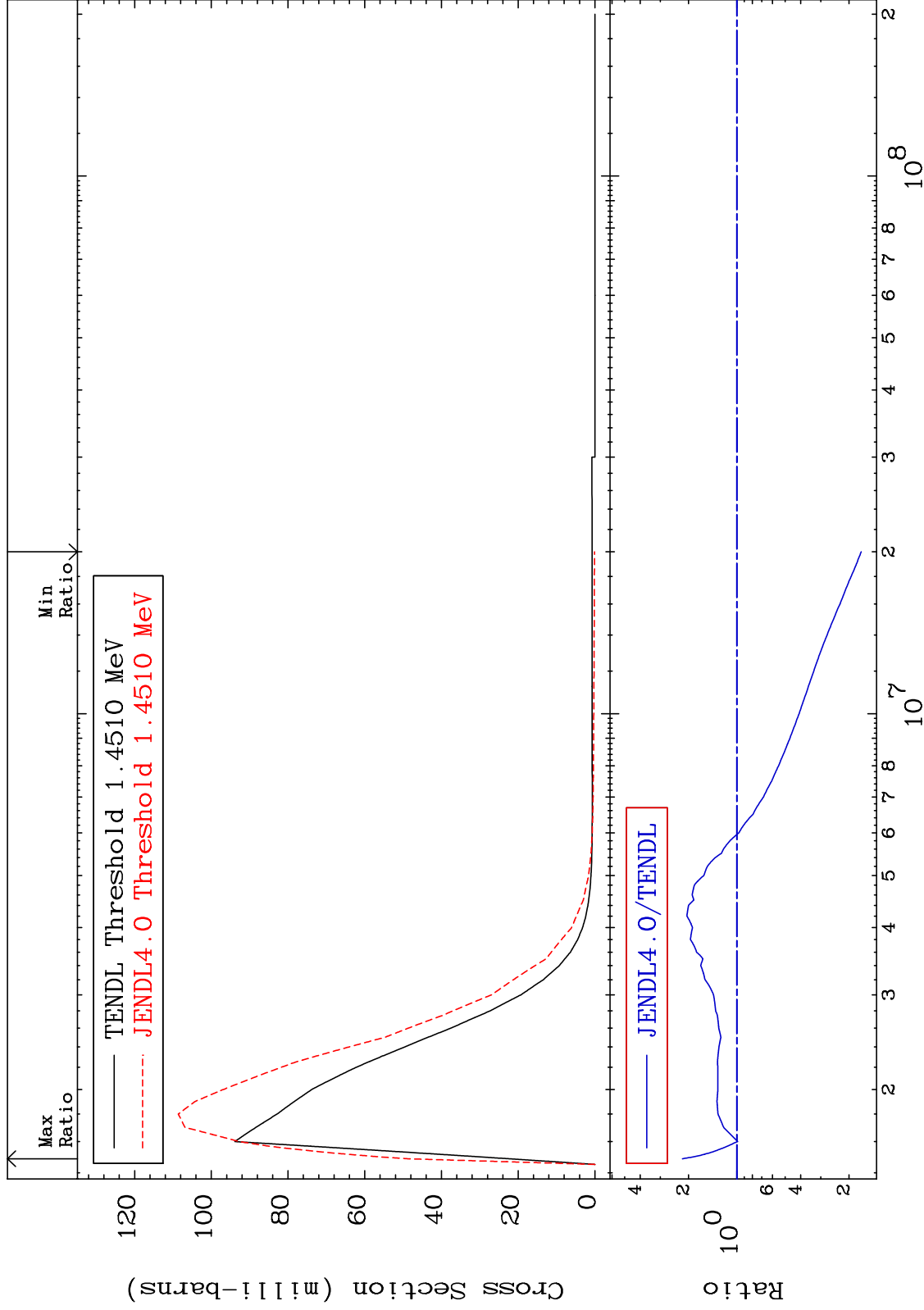
MAT 6631 MT= 65 (n,n') Level Cross Section 66-Dy-158 -99.68 To 109.7 %



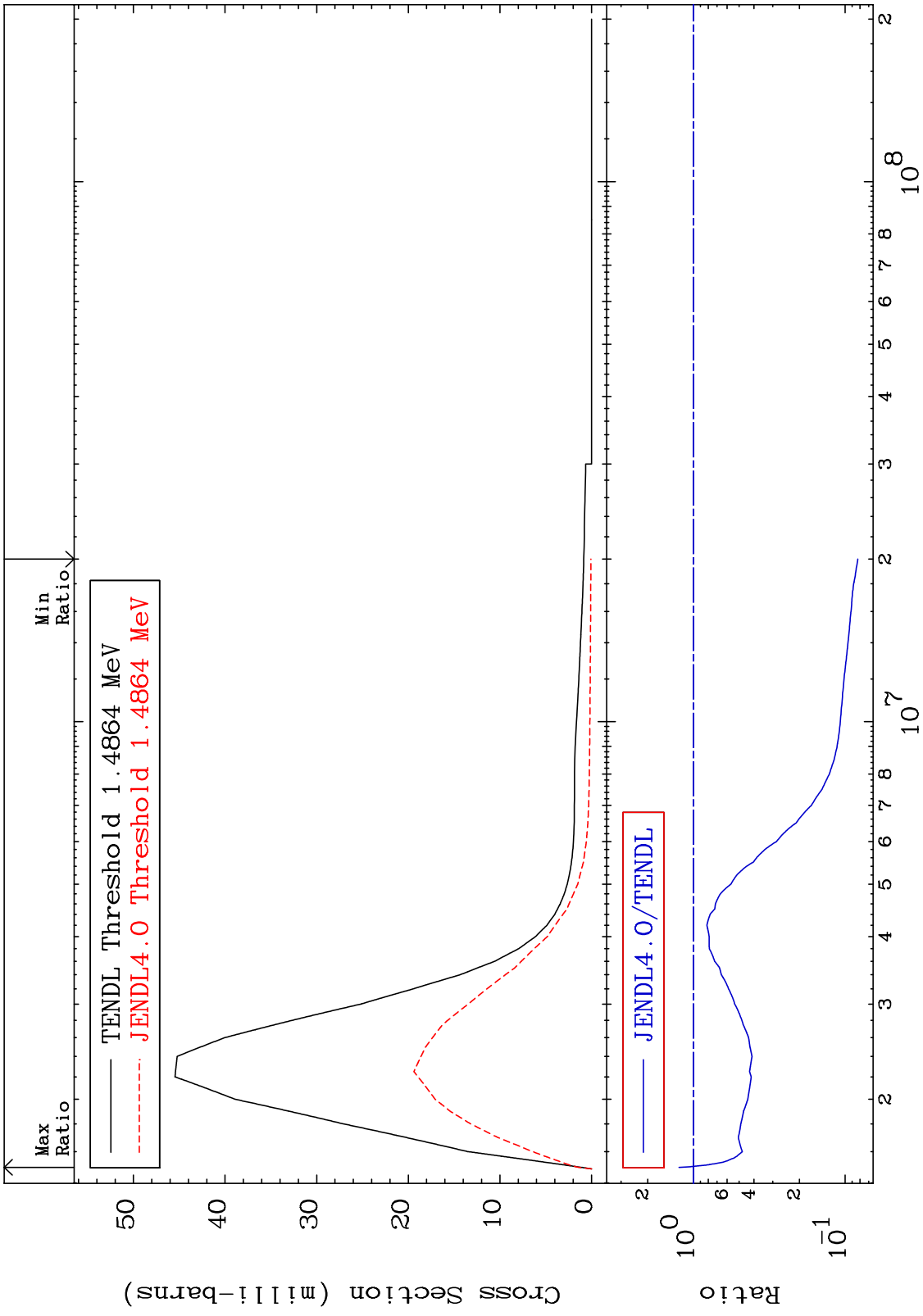
MAT 6631

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

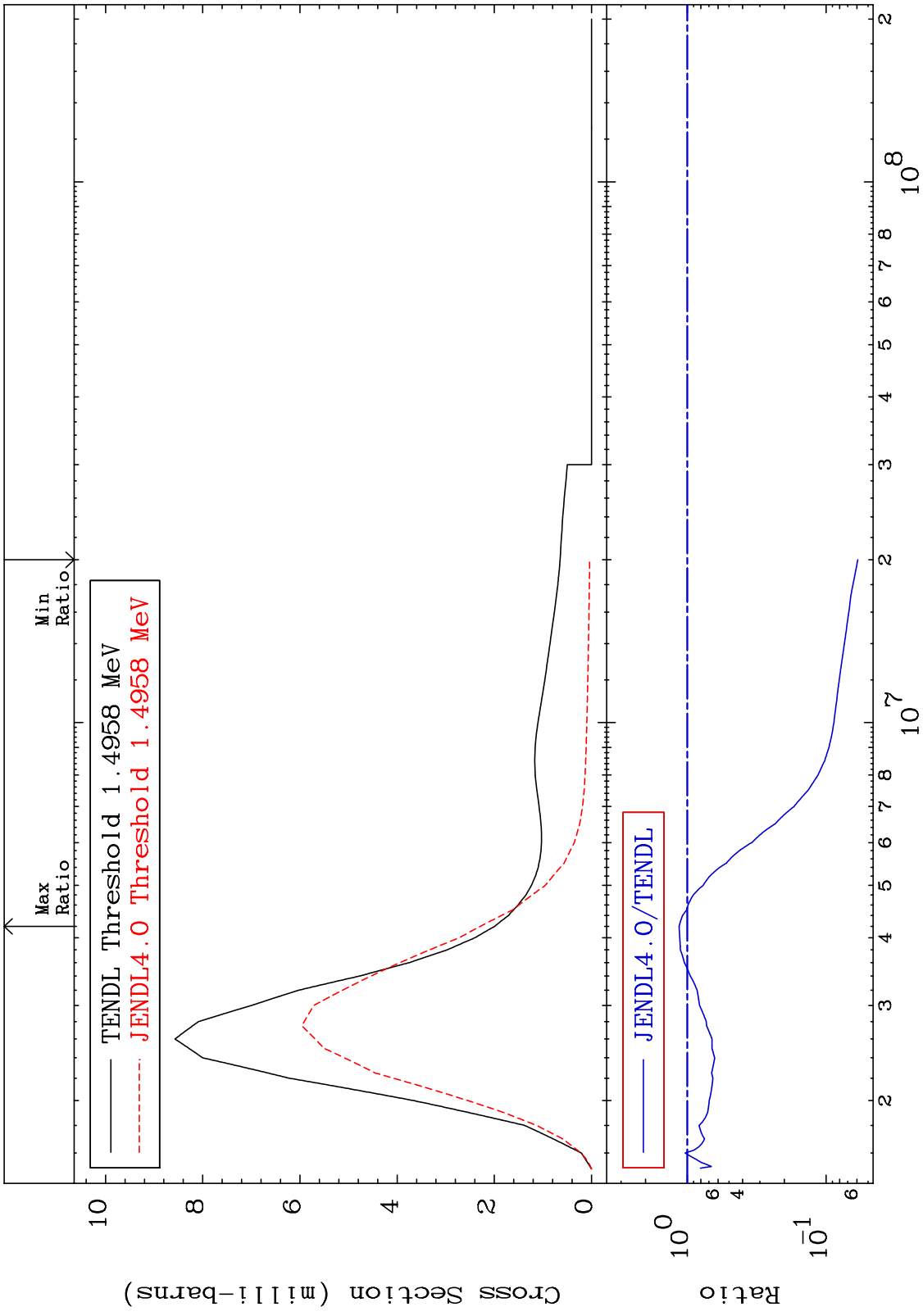
66-Dy-158  
-83.22 To 118.2 %



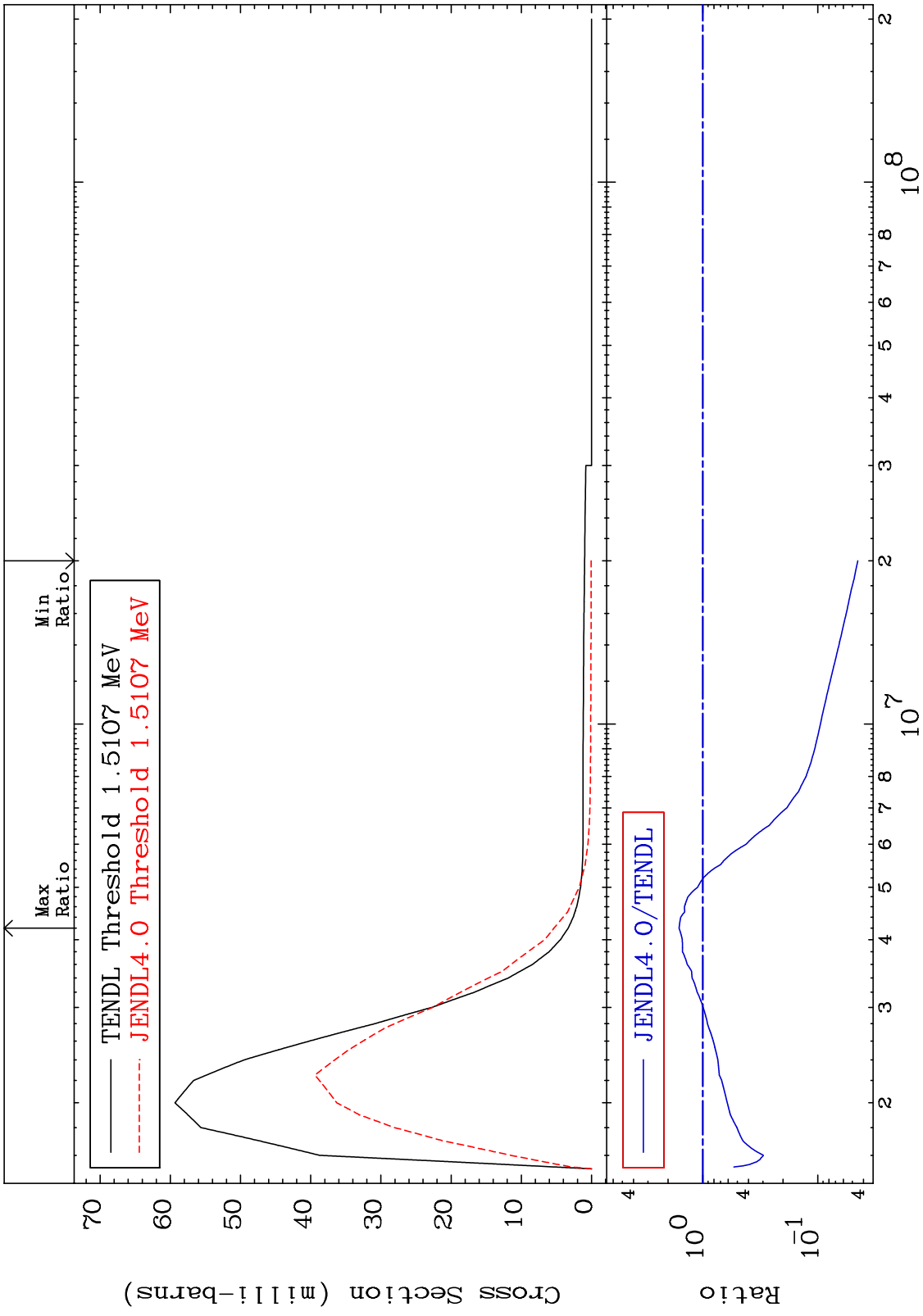
MAT 6631 MT= 67 (n,n') Level Cross Section 66-Dy-158  
 -91.75 To 24.51 %



MAT 6631 MT= 68 (n,n') Level Cross Section 66-Dy-158 -94.09 To 14.74 %



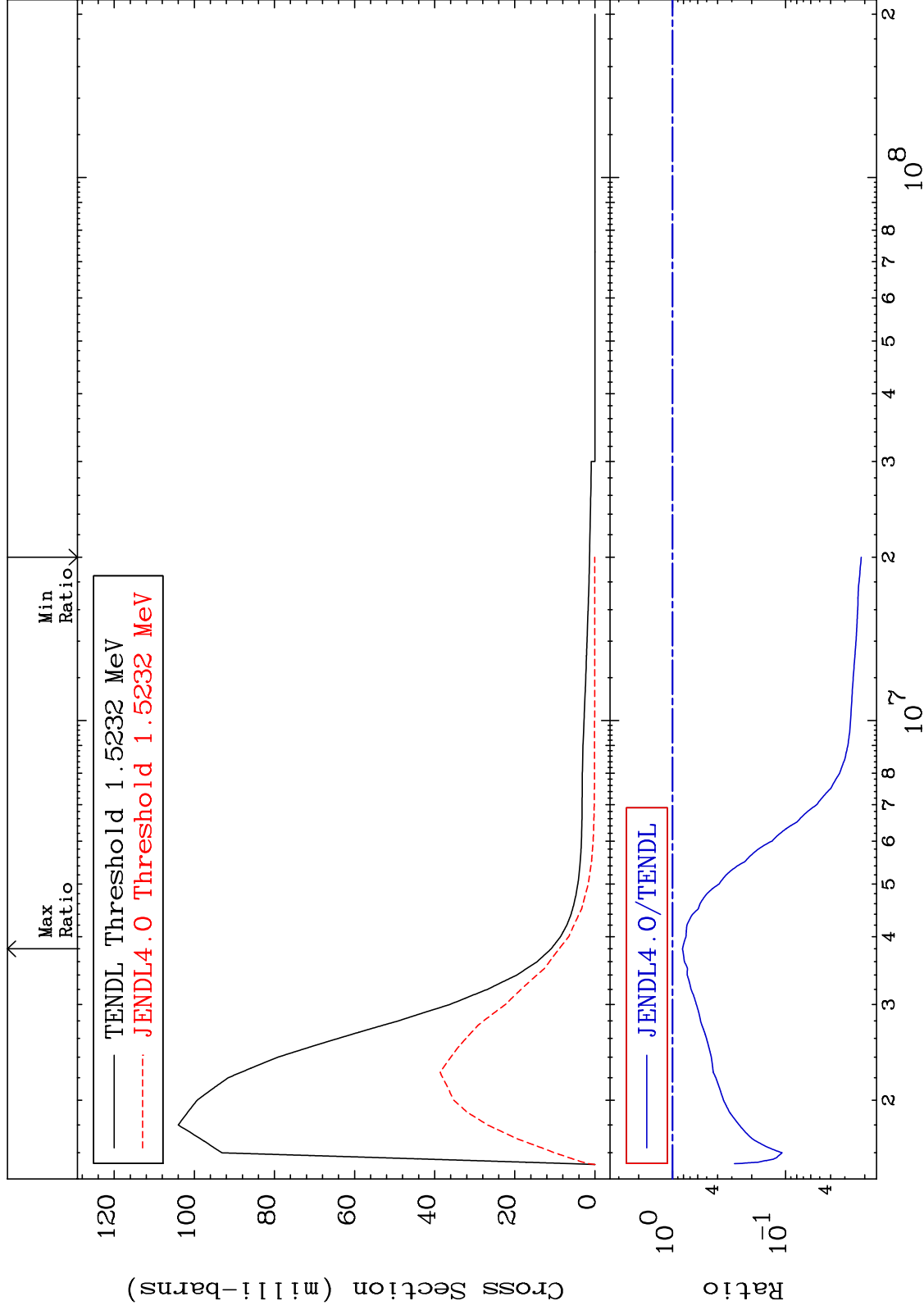
MAT 6631 MT= 69 (n,n') Level Cross Section 66-Dy-158 -95.52 To 60.65 %



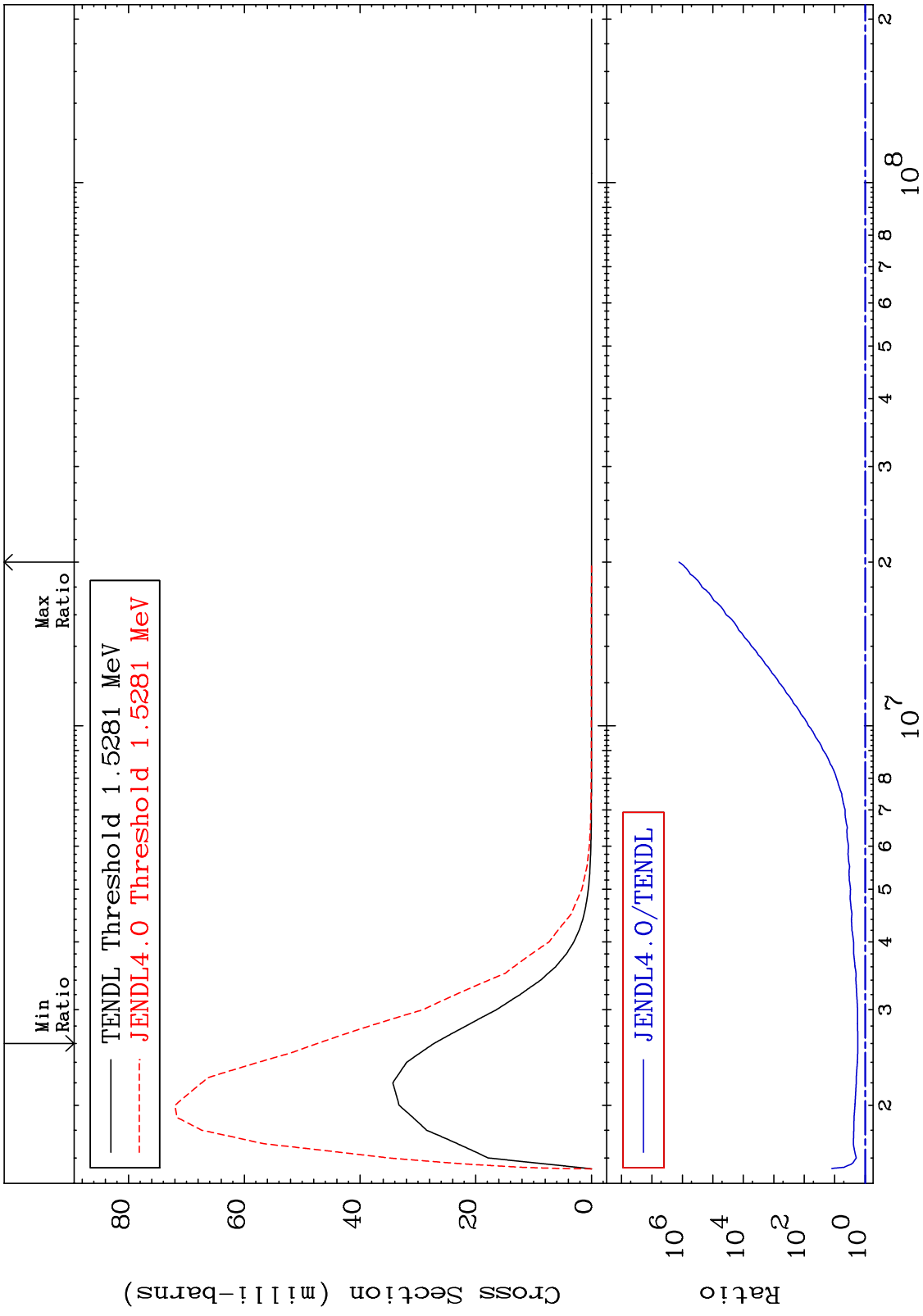
MAT 6631

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

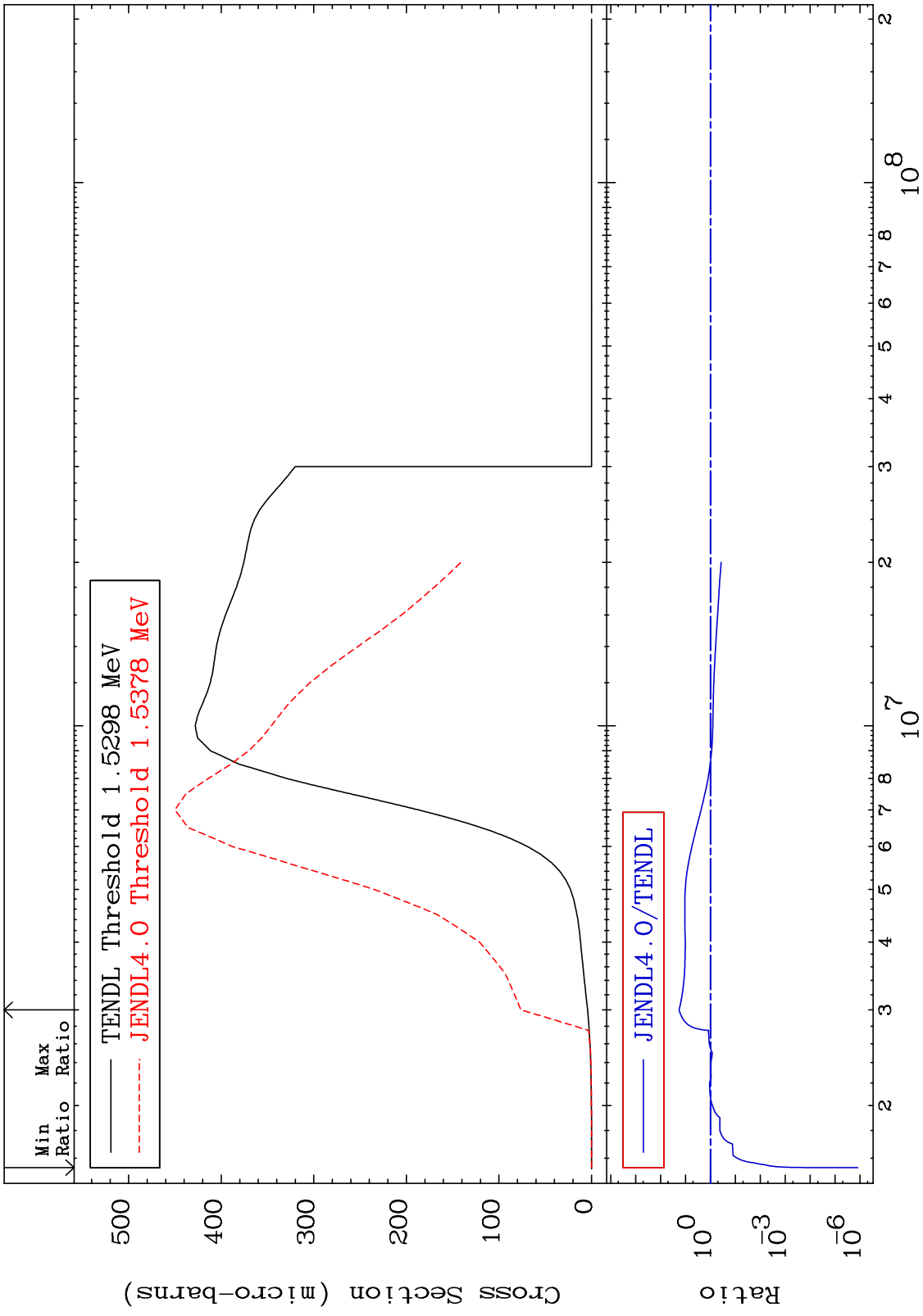
66-Dy-158  
-97.86 To -18.14%



MAT 6631 MT= 71 (n,n') Level Cross Section 66-Dy-158 73.96 To 9999. %



MAT 6631      MT= 72 (n,n') Level      66-Dy-158  
 Cross Section      -100.0 To 1725. %

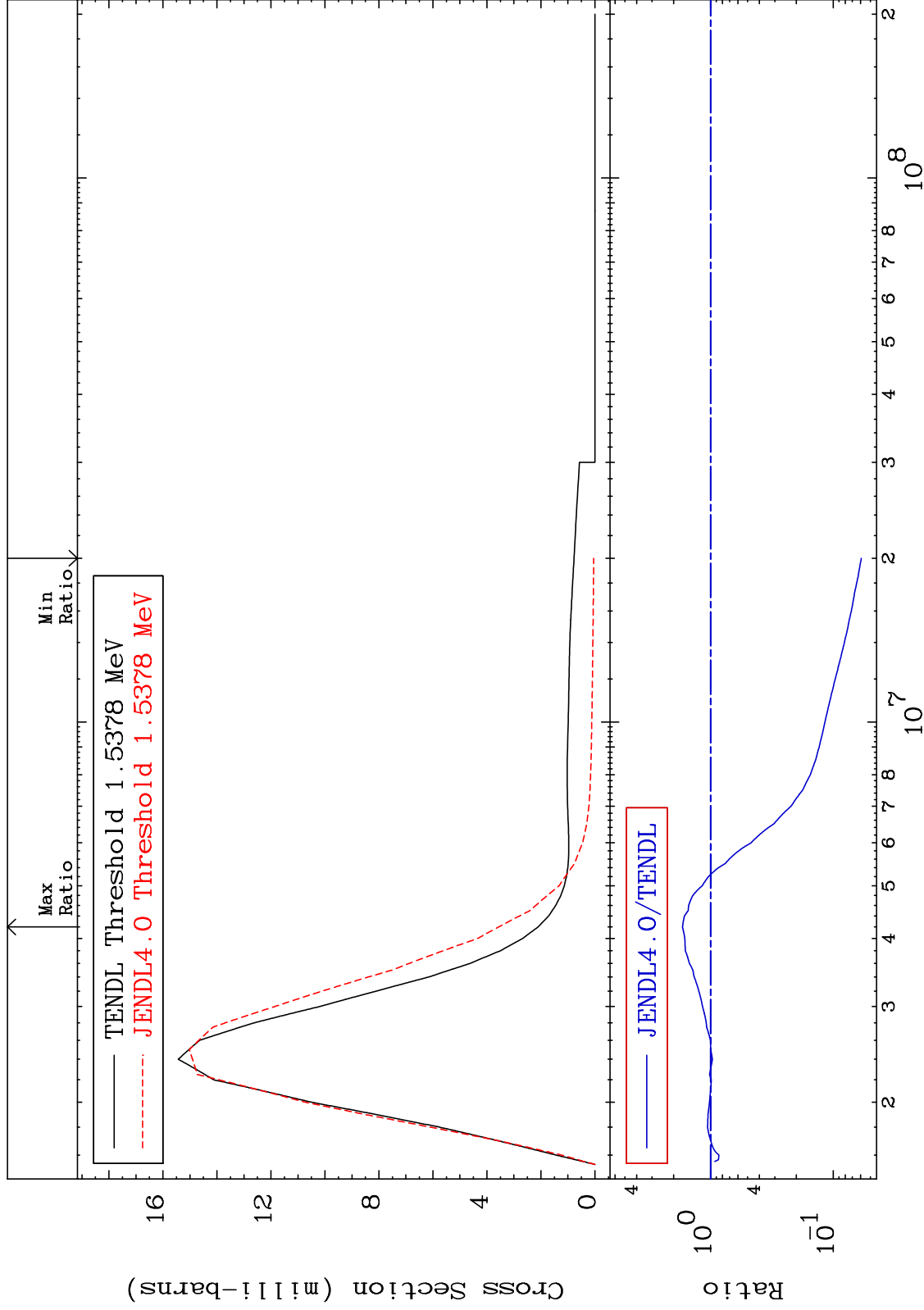




MAT 6631

MT= 73 (n,n') Level  
Cross Section

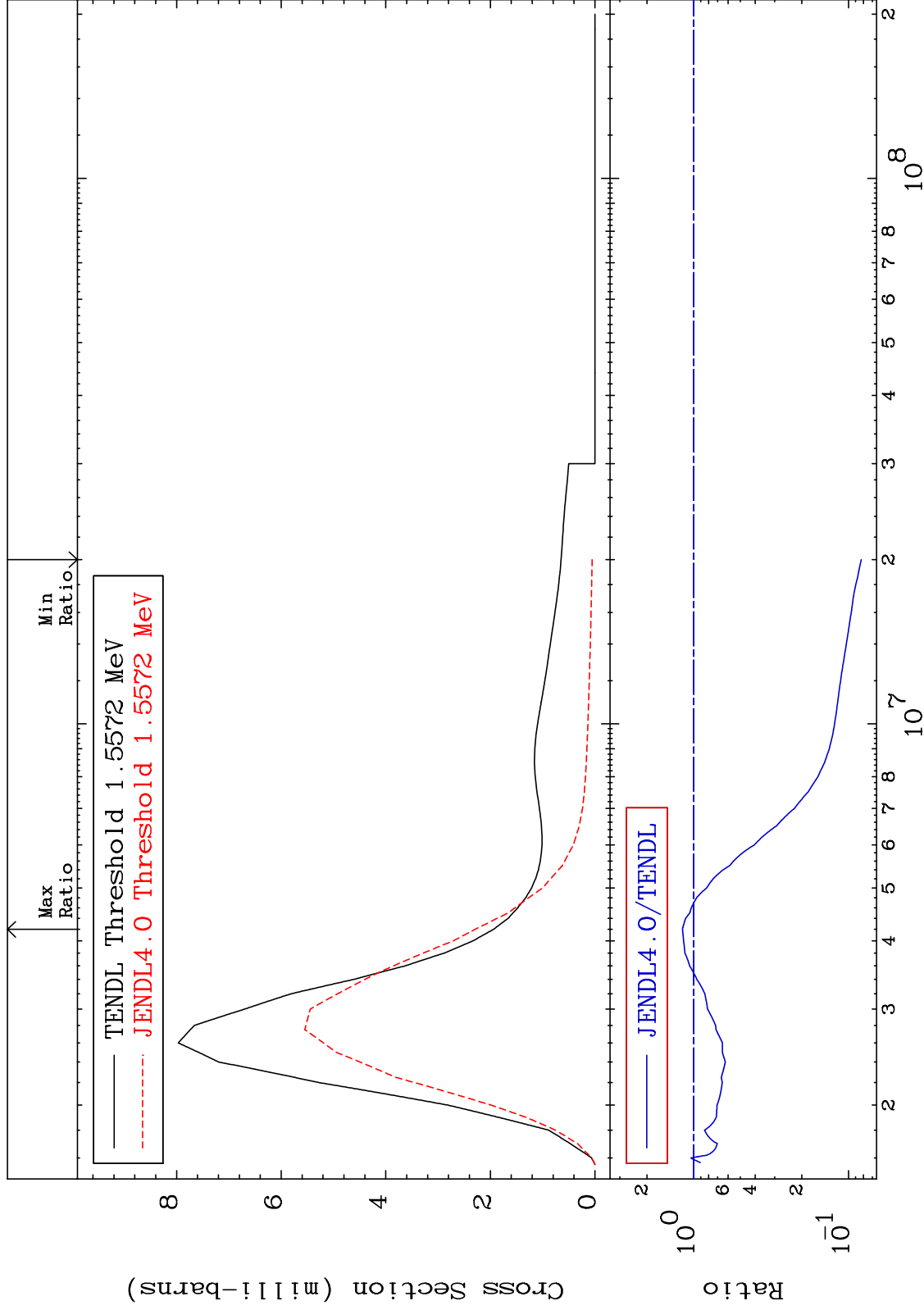
66-Dy-158  
-94.08 To 69.53 %



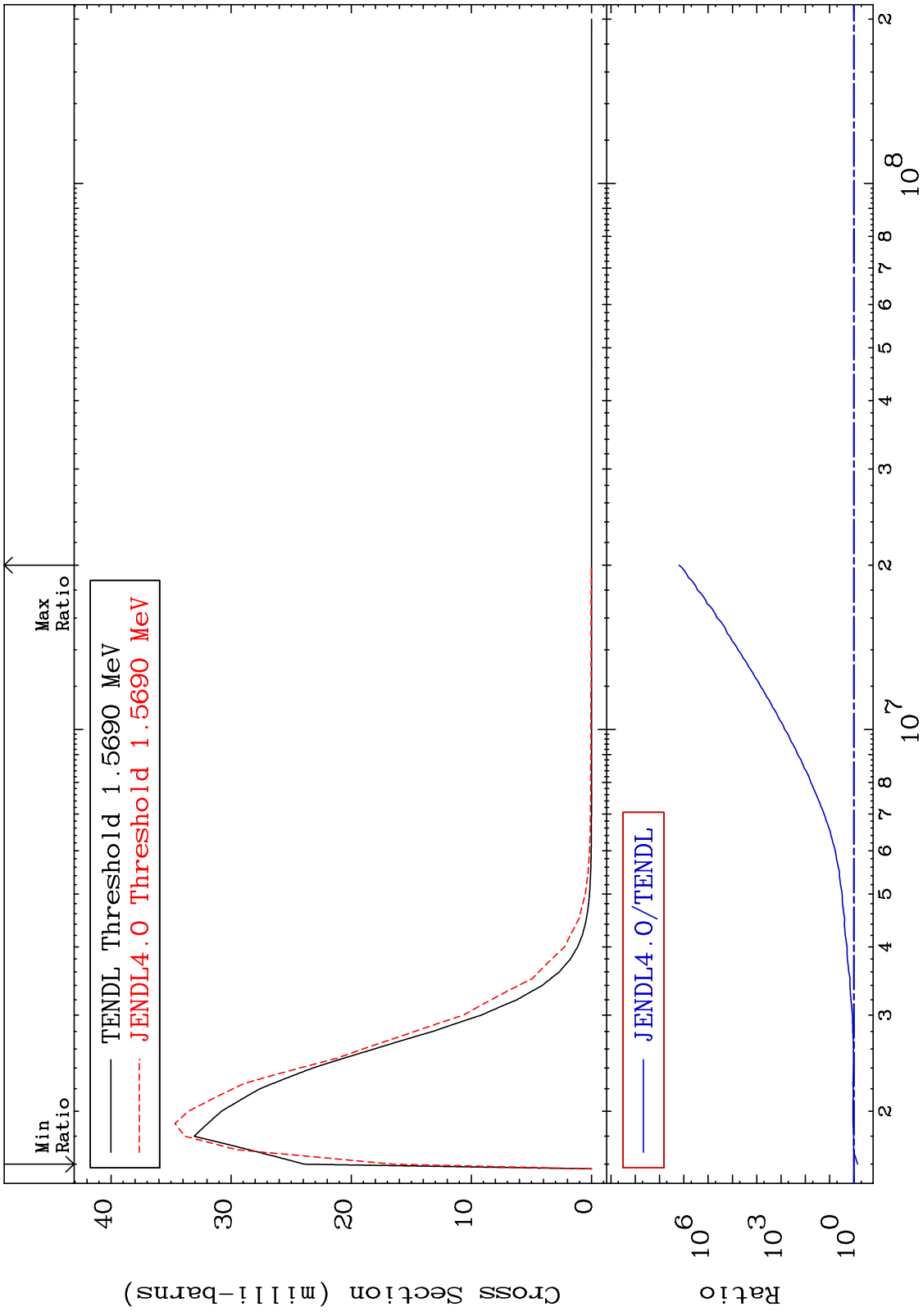
MAT 6631

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

66-Dy-158  
-91.74 To 18.14 %



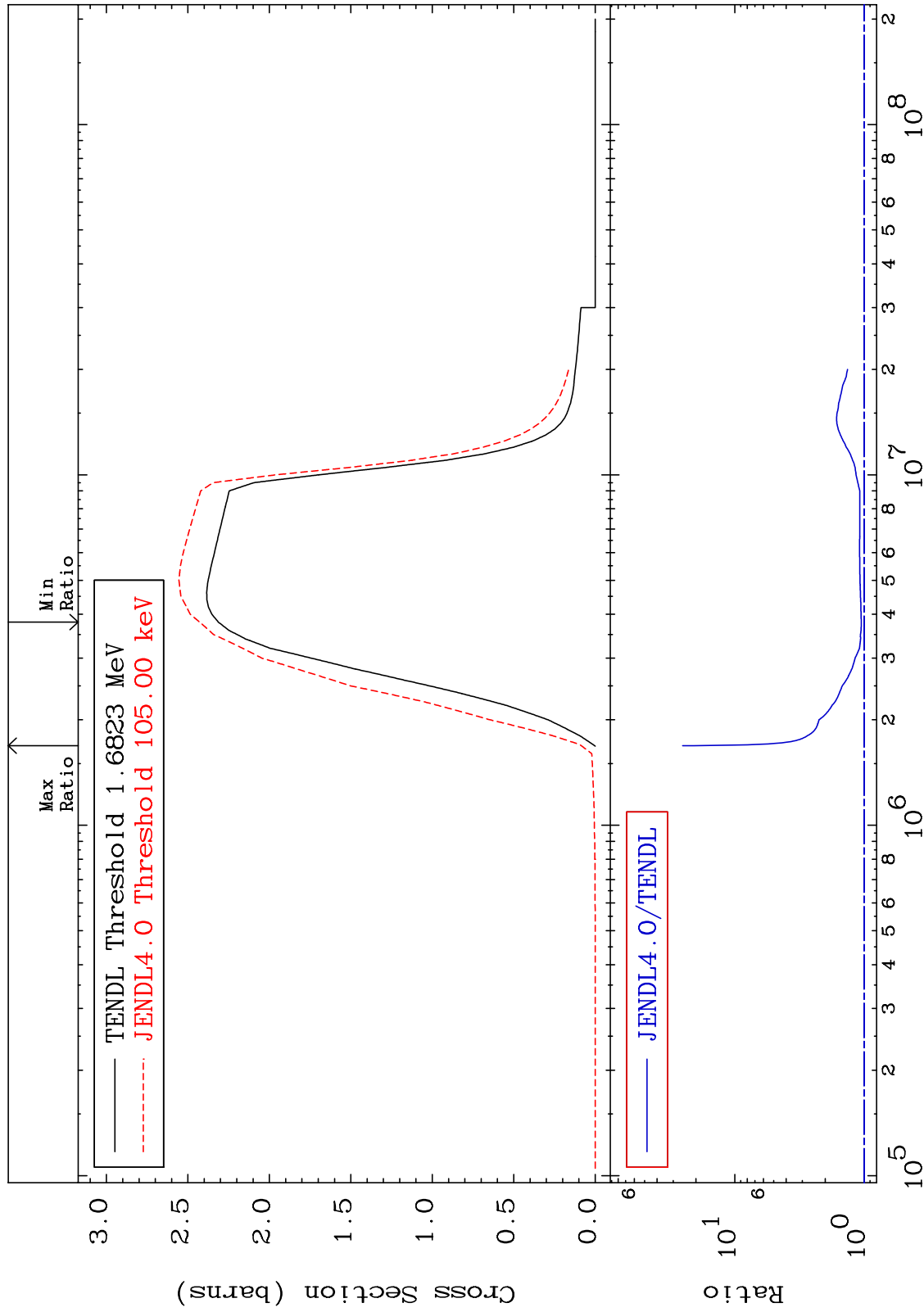
MAT 6631 MT= 75 (n,n') Level Cross Section 66-Dy-158  
 -30.74 To 9999. %



MAT 6631

(n, n') Continuum  
Cross Section

66-Dy-158  
4.950 To 2433. %



35

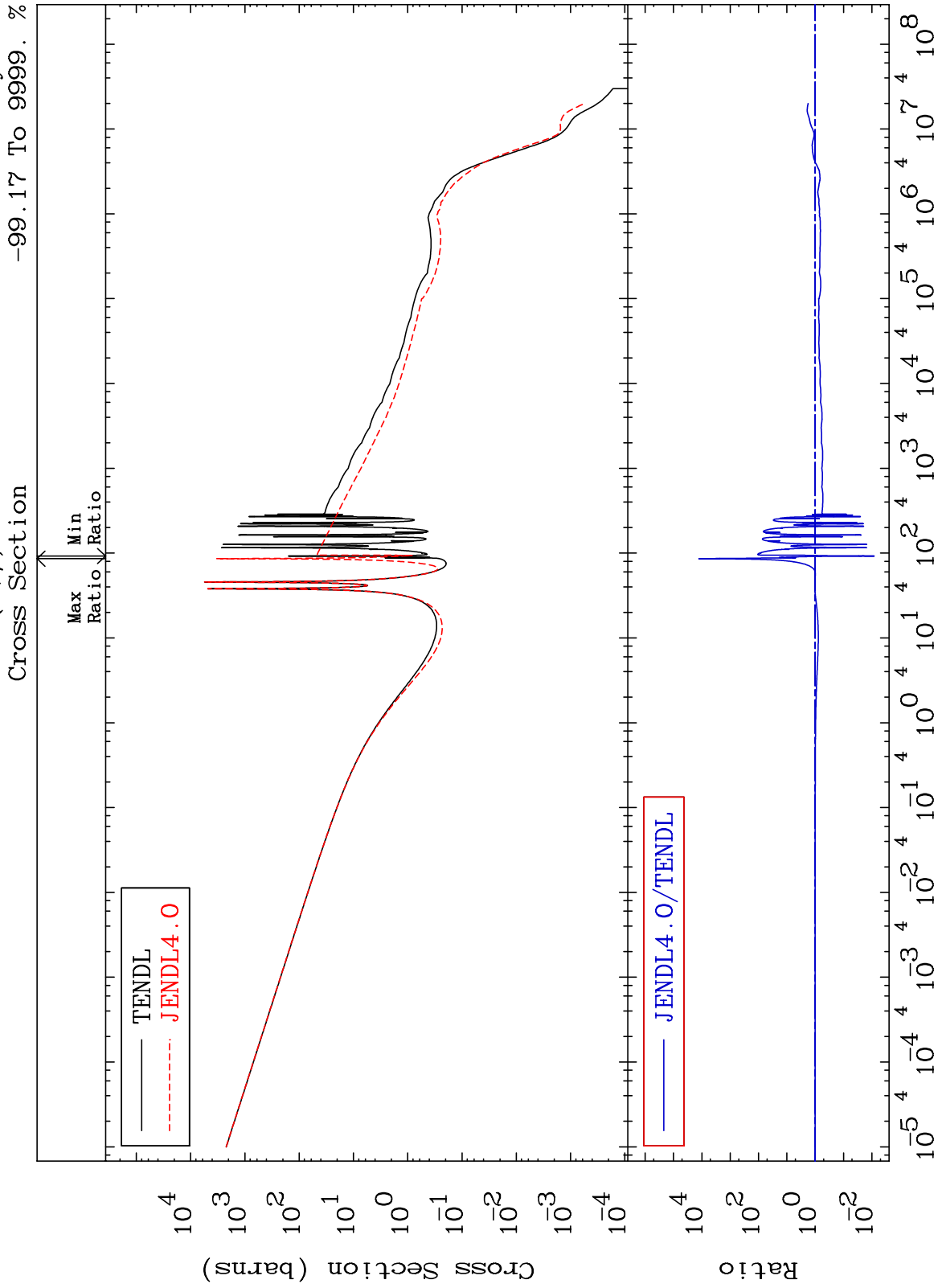
Incident Energy (eV)

66-Dy-158

MAT 6631

(n,  $\gamma$ )

66-Dy-158  
-99.17 To 9999. %



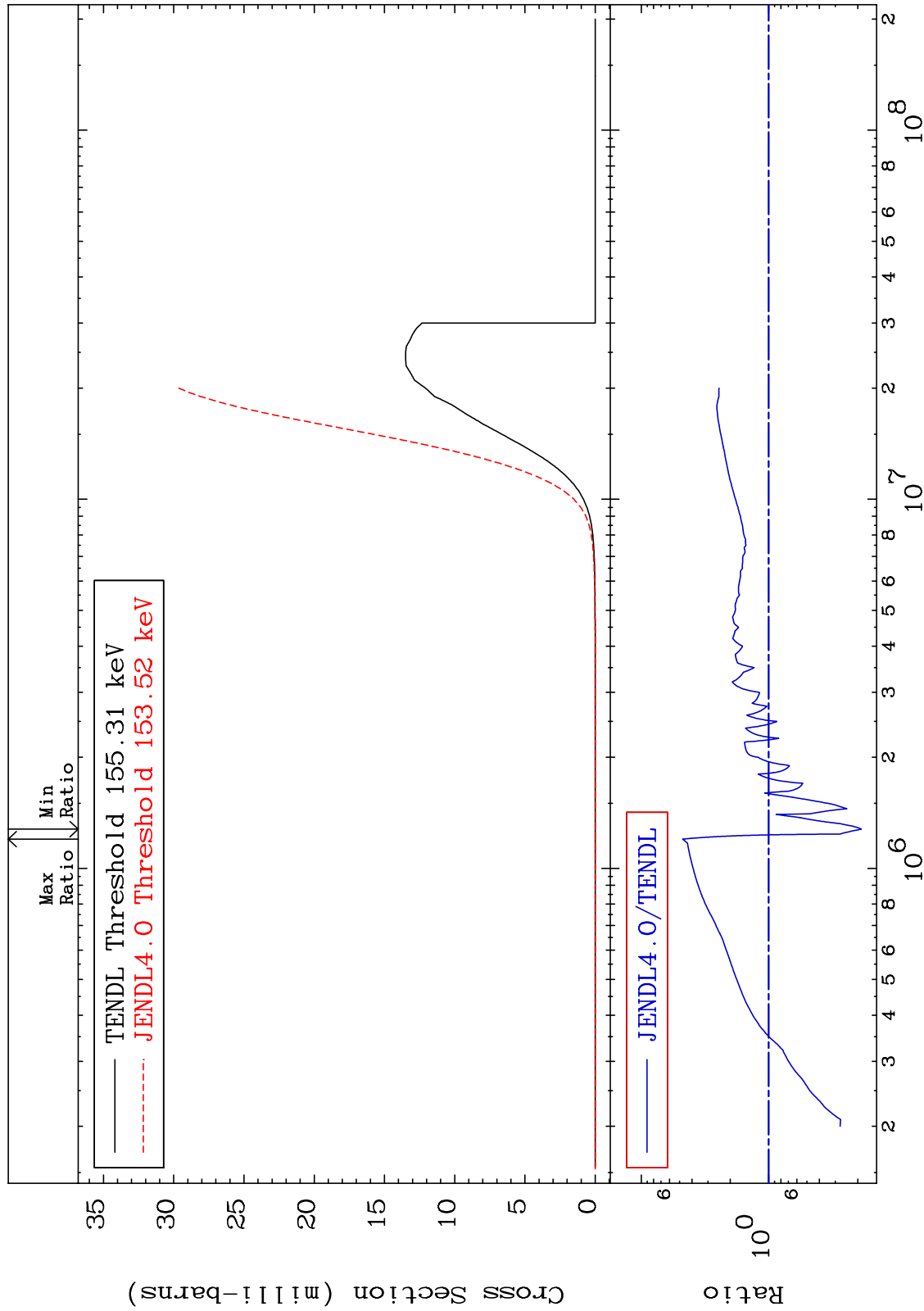
MAT 6631

(n,p)

66-Dy-158

Cross Section

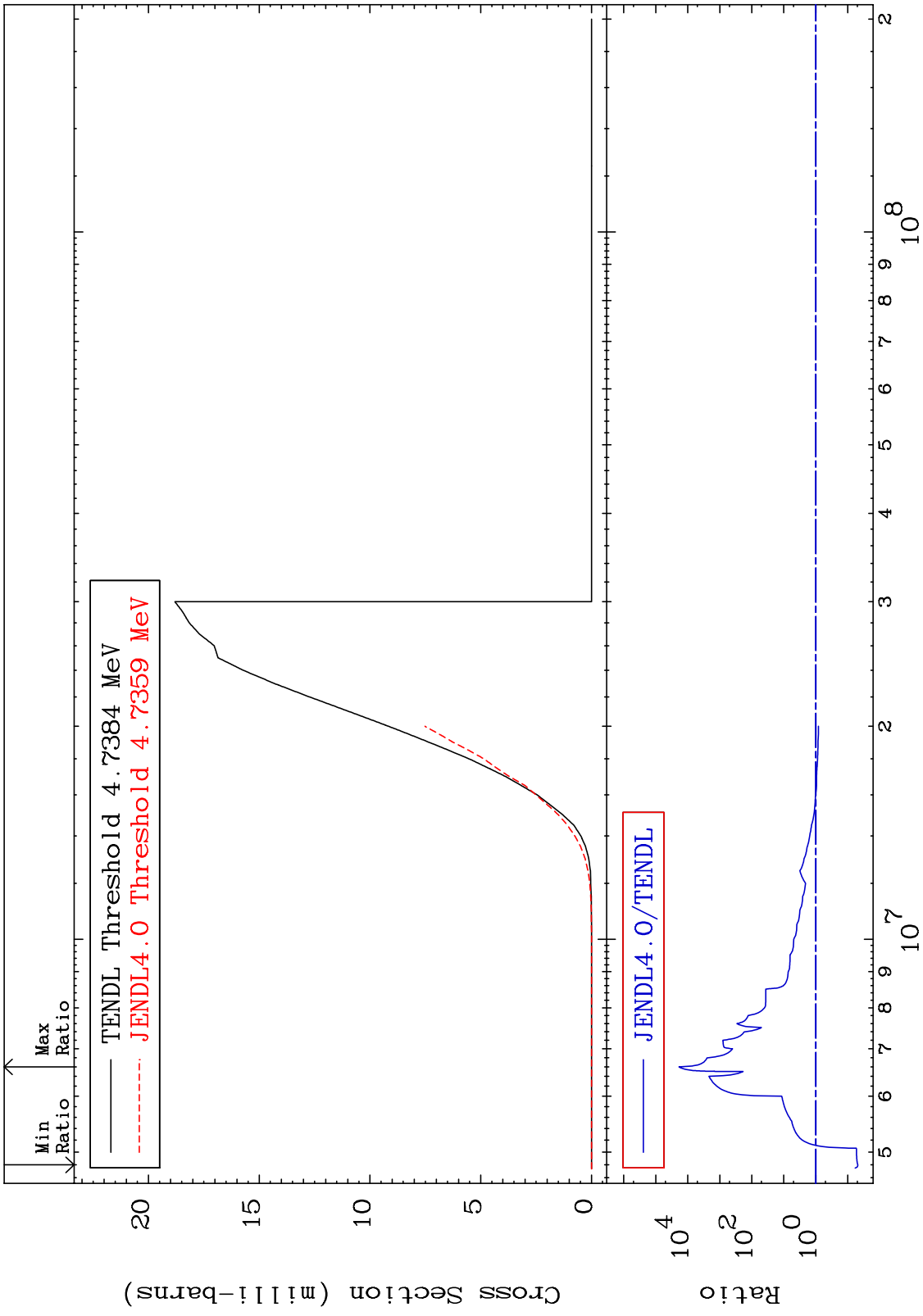
-81.28 To 373.2 %

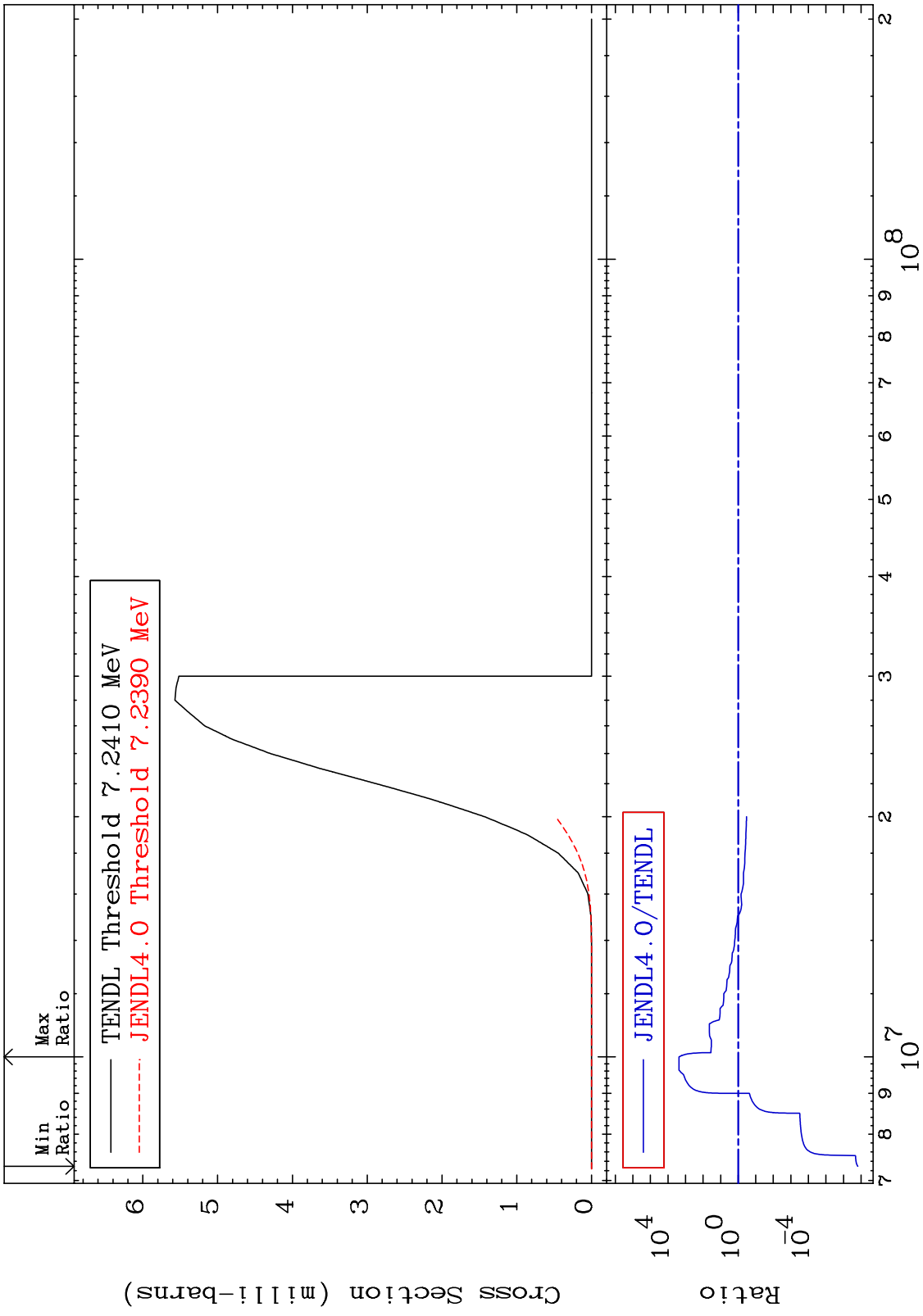


37

Incident Energy (eV)

66-Dy-158







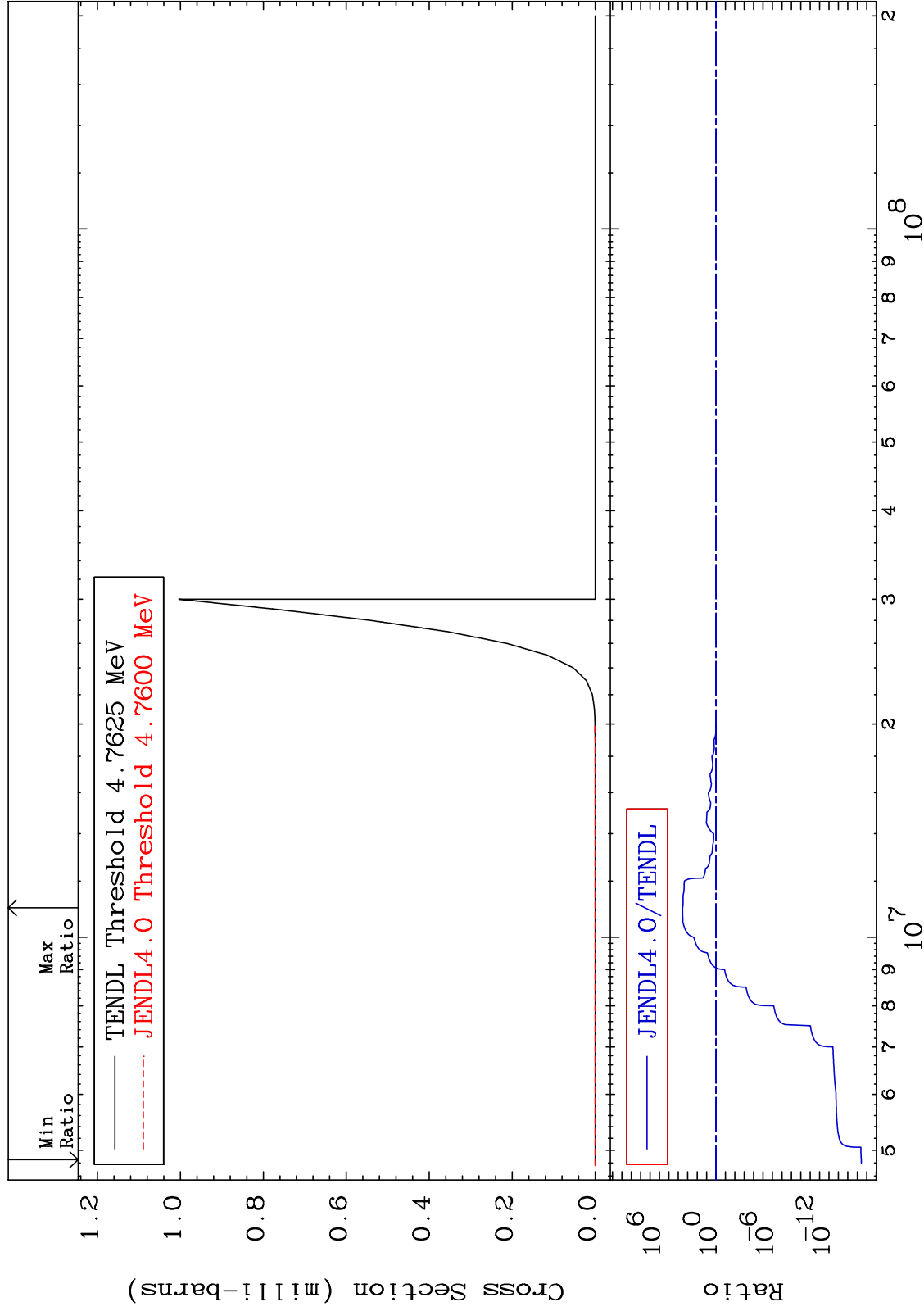
MAT 6631

(n,He-3)

66-Dy-158

-100.0 To 9999. %

Cross Section



40

Incident Energy (eV)

66-Dy-158

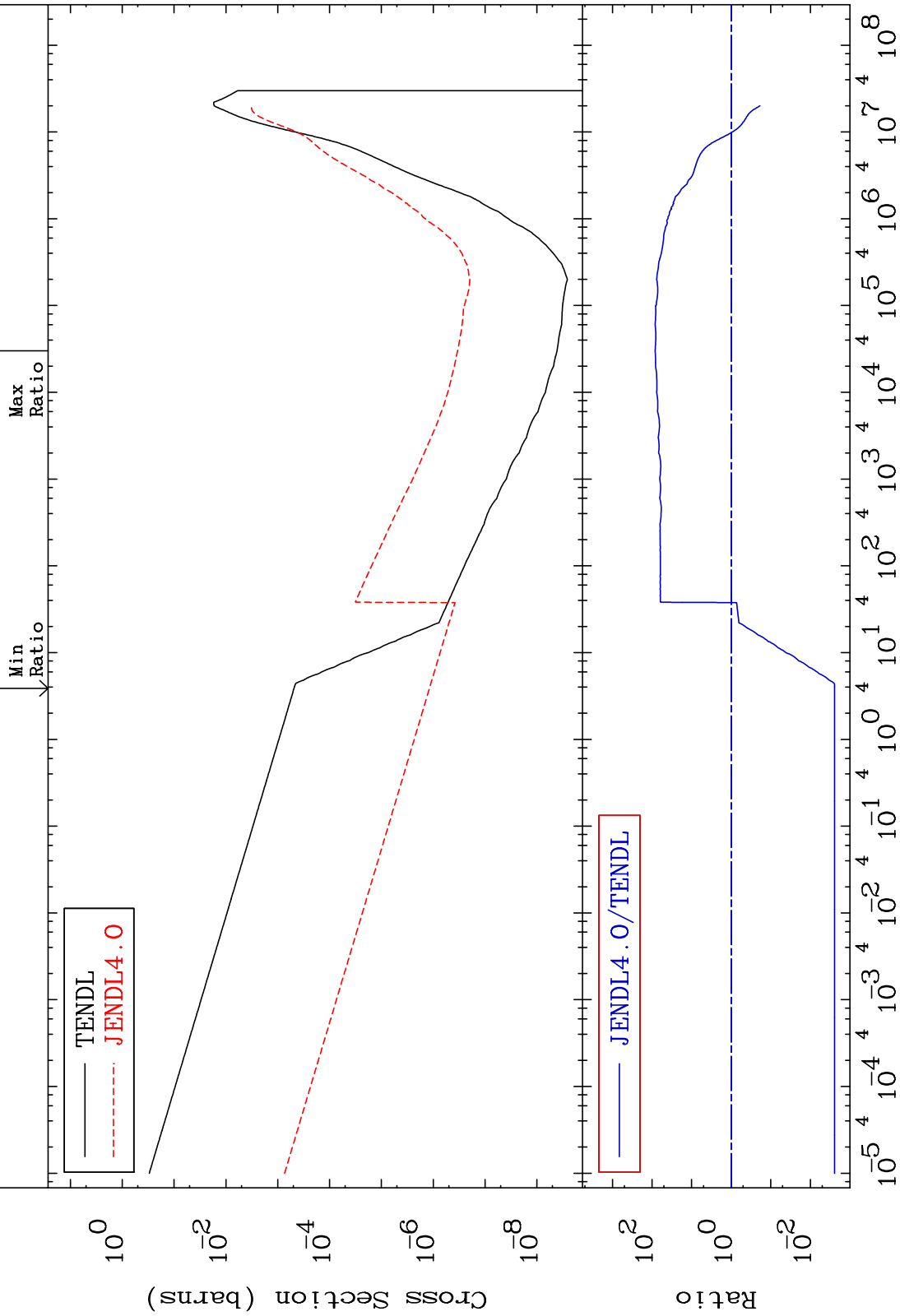
MAT 6631

(n,  $\alpha$ )

66-Dy-158

-99.76 To 8236. %

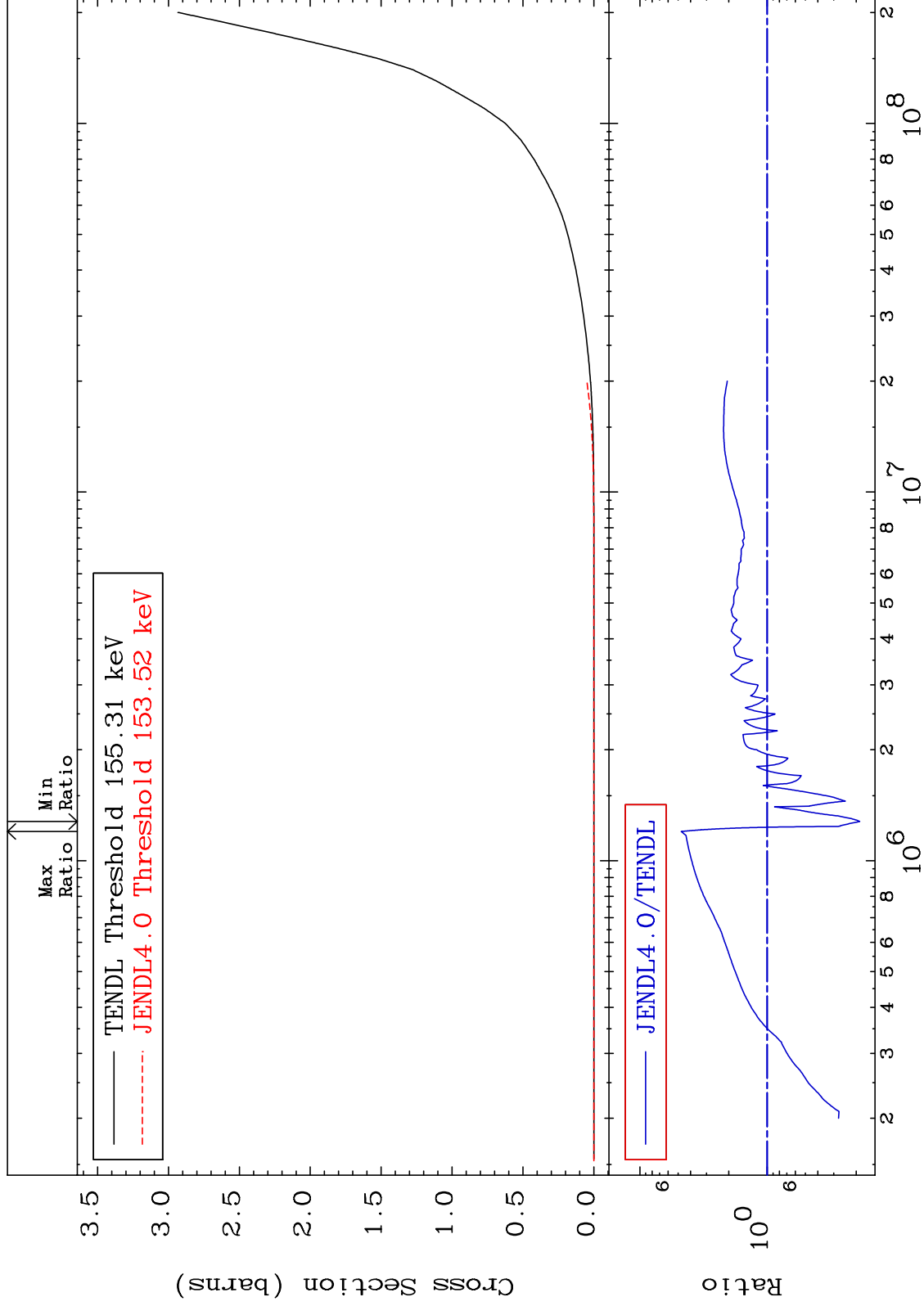
Cross Section



MAT 6631

Hydrogen Production  
Cross Section

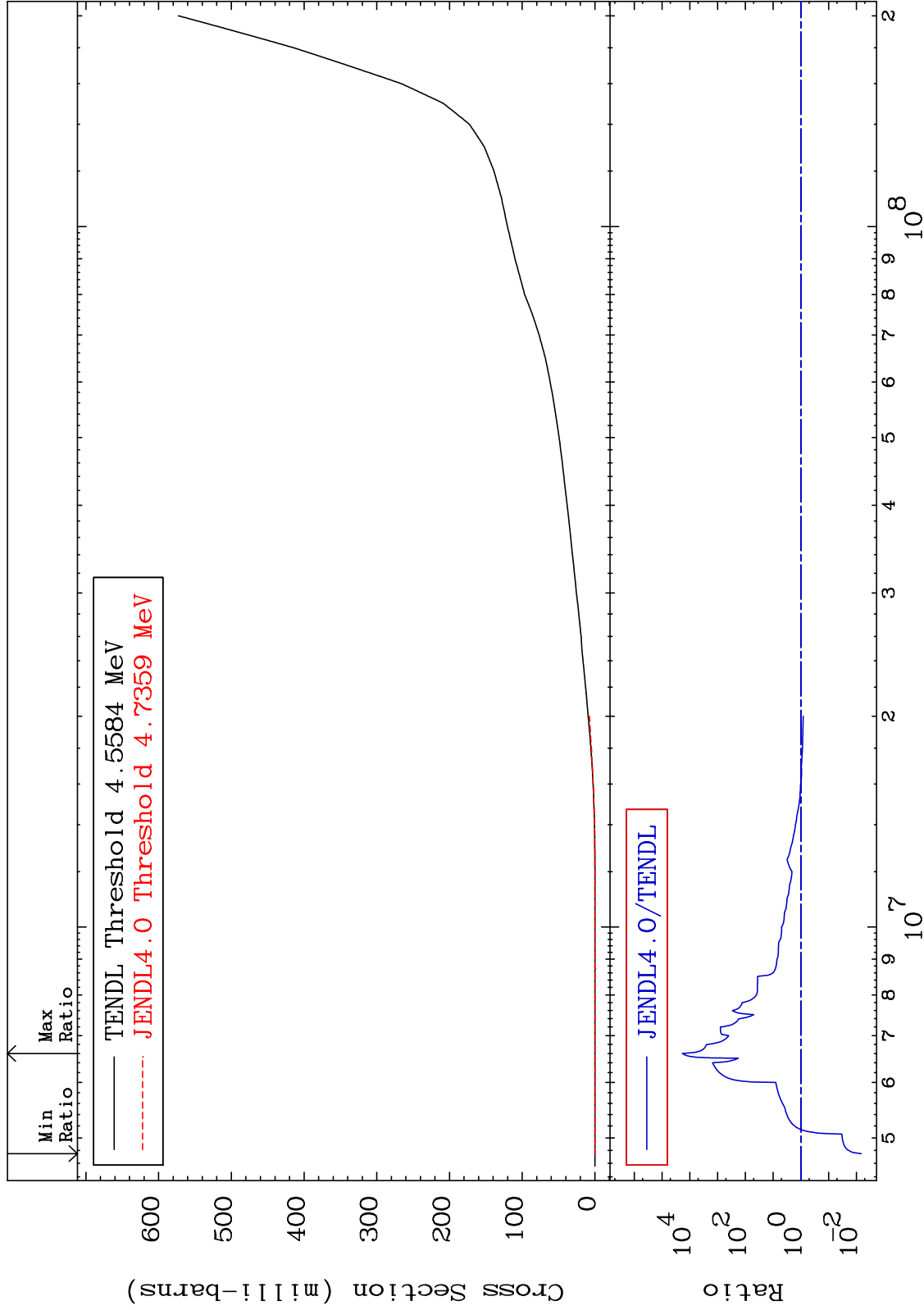
66-Dy-158  
-81.28 To 372.8 %



MAT 6631

Deuterium Production  
Cross Section

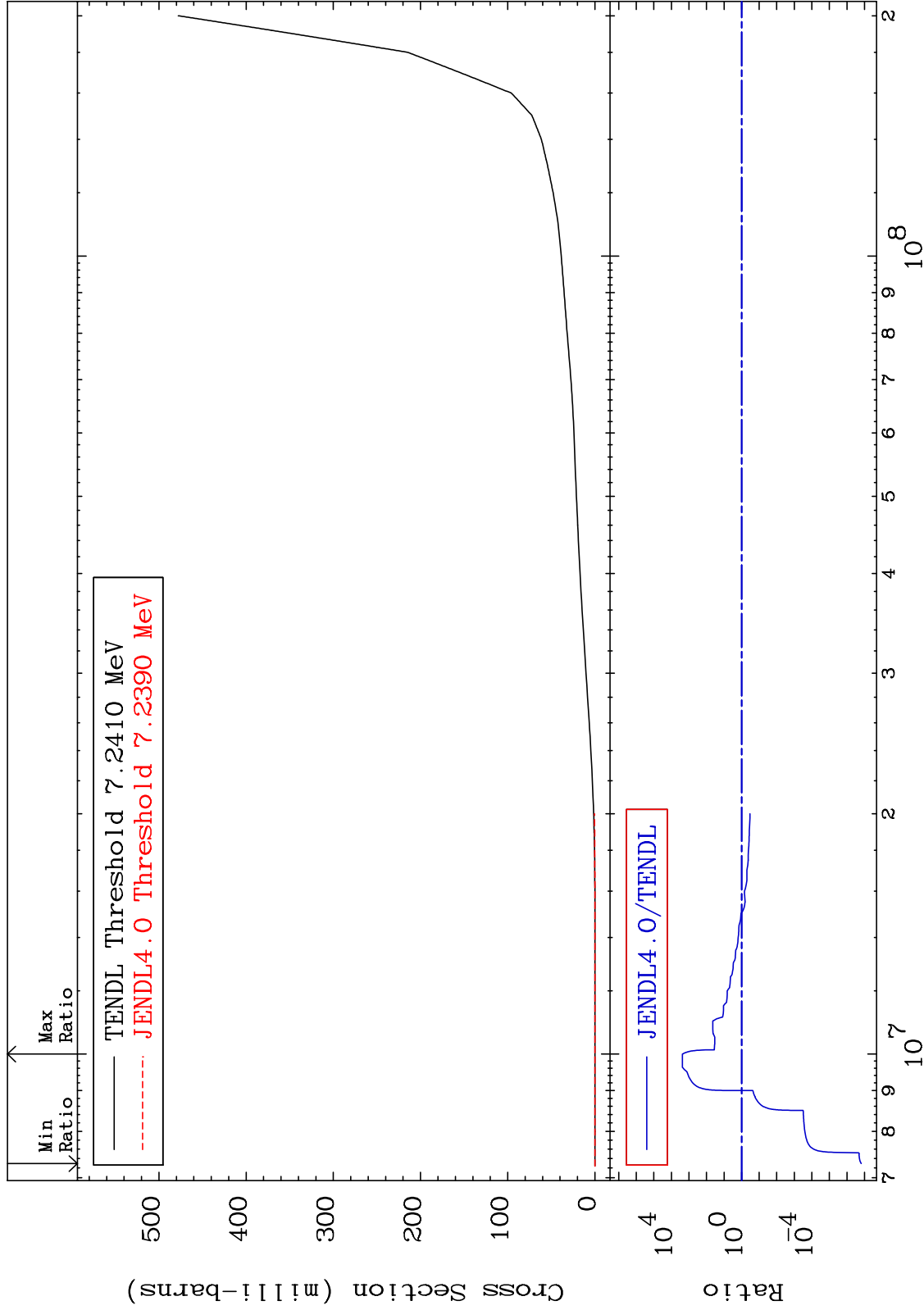
66-Dy-158  
-99.33 To 9999. %



MAT 6631

Tritium Production  
Cross Section

66-Dy-158  
-100.0 To 9999. %



44

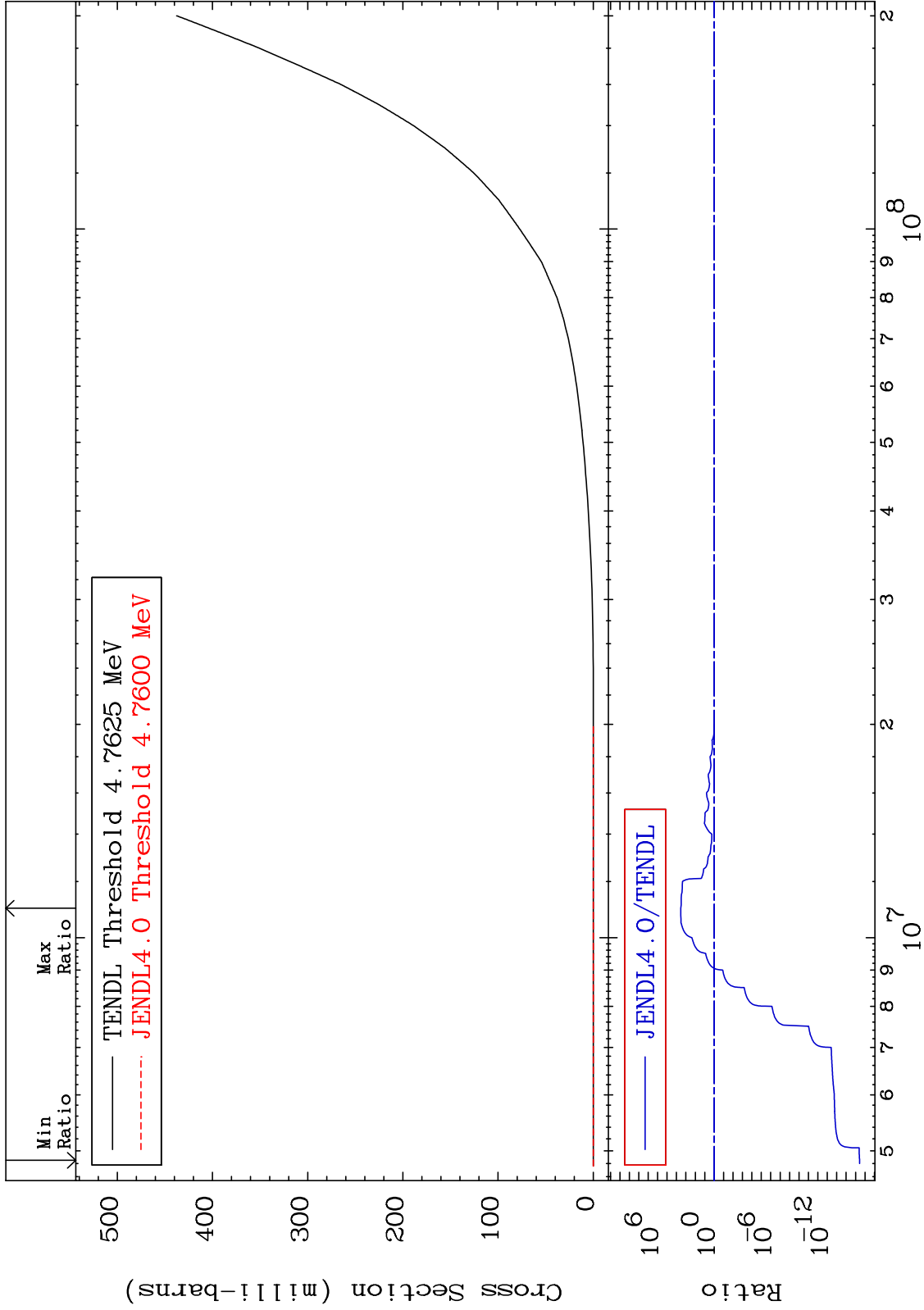
Incident Energy (eV)

66-Dy-158

MAT 6631

He-3 Production  
Cross Section

66-Dy-158  
-100.0 To 9999. %



45

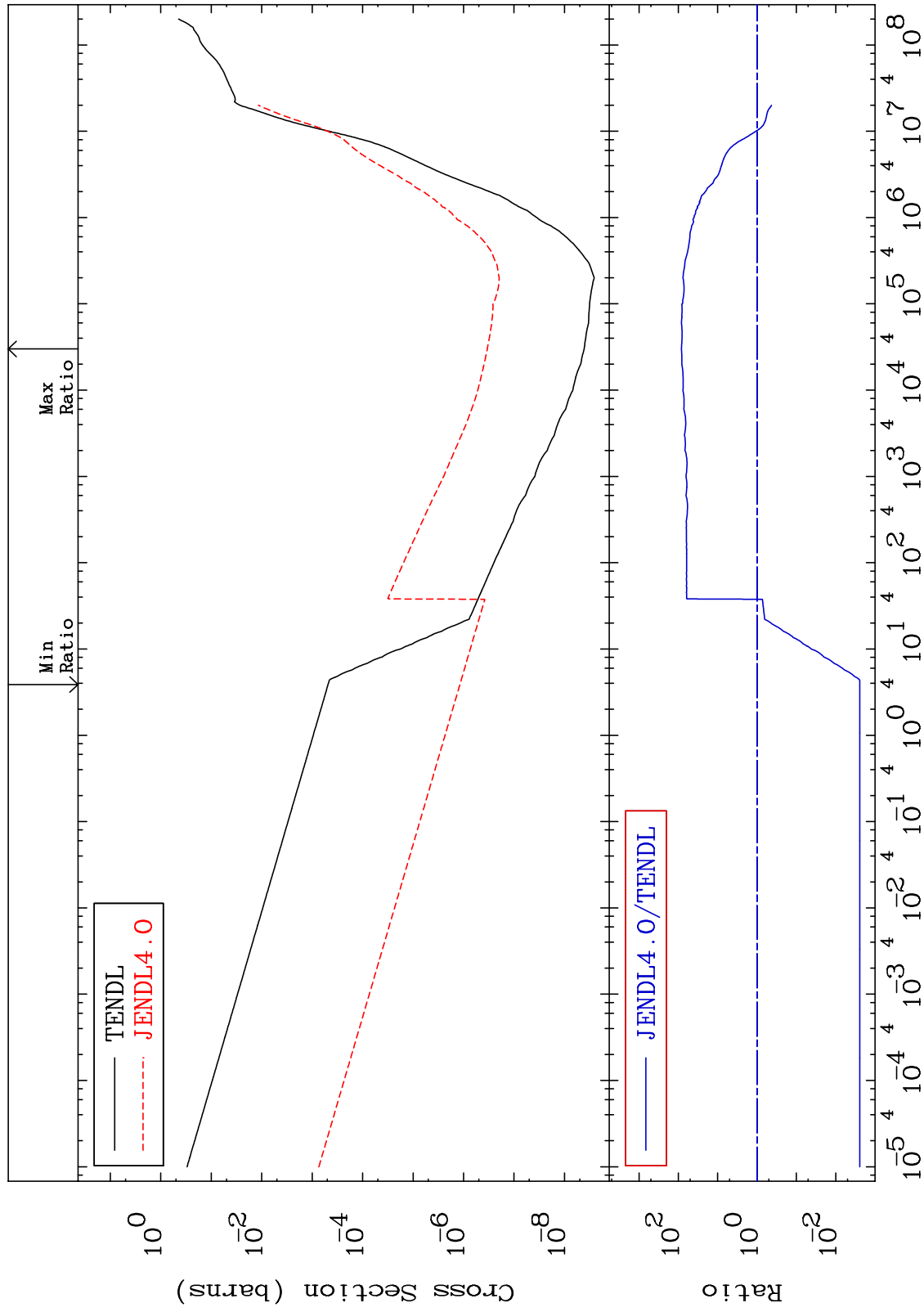
Incident Energy (eV)

66-Dy-158

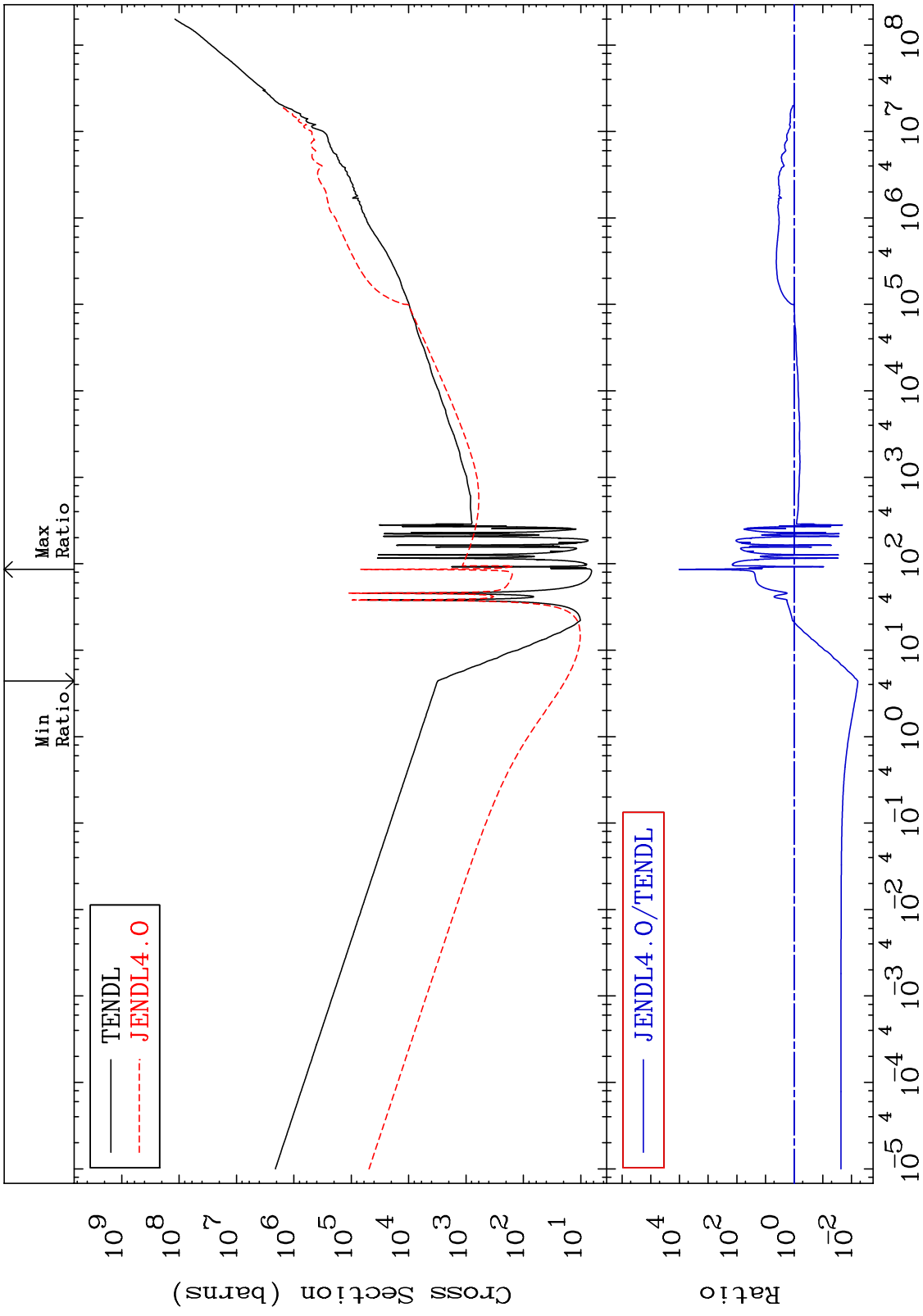
MAT 6631

He-4 Production  
Cross Section

66-Dy-158  
-99.76 To 8236. %



MAT 6631      Kerma total (eV-barns)      Cross Section      66-Dy-158  
 -99.40 To 9999. %

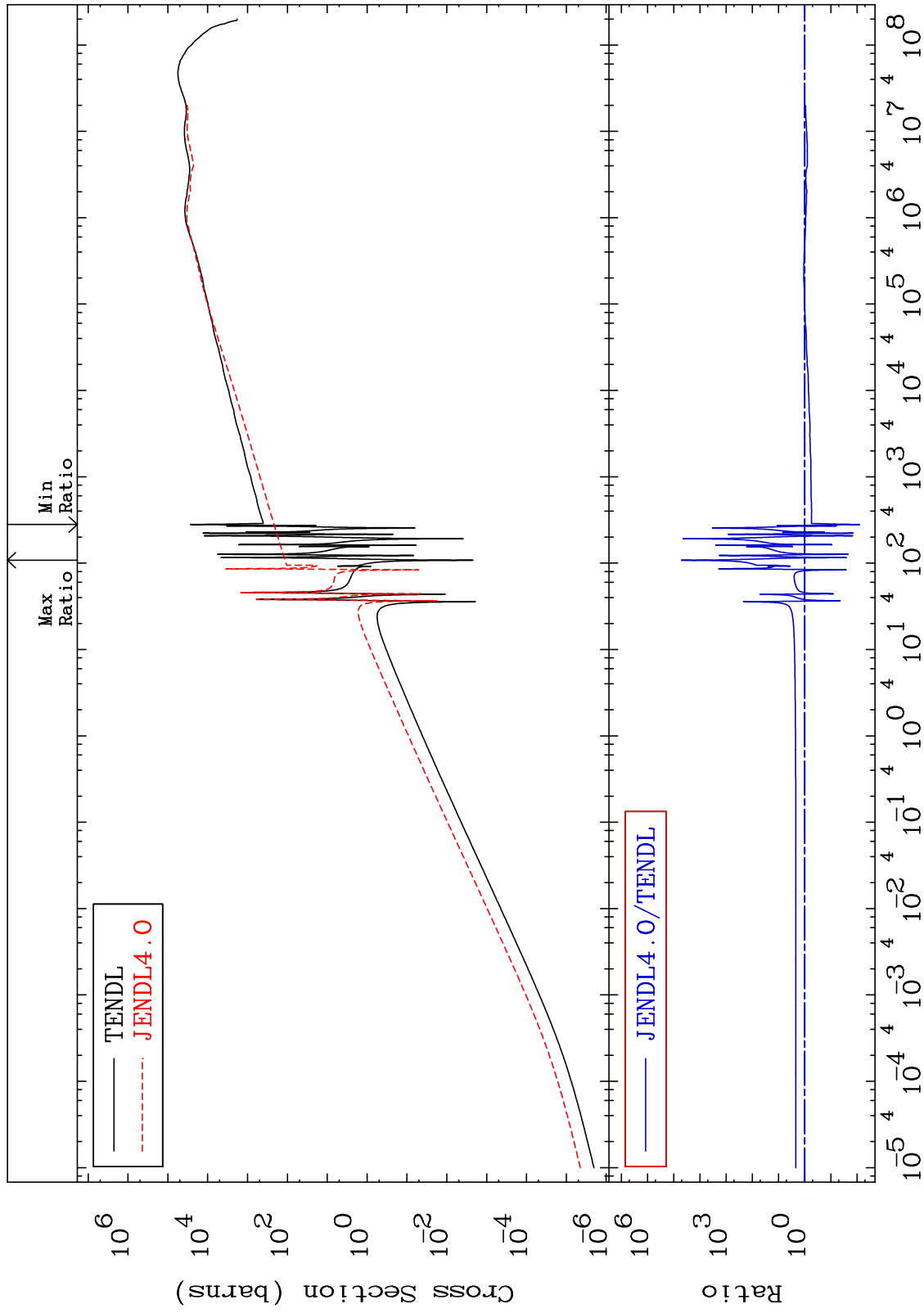




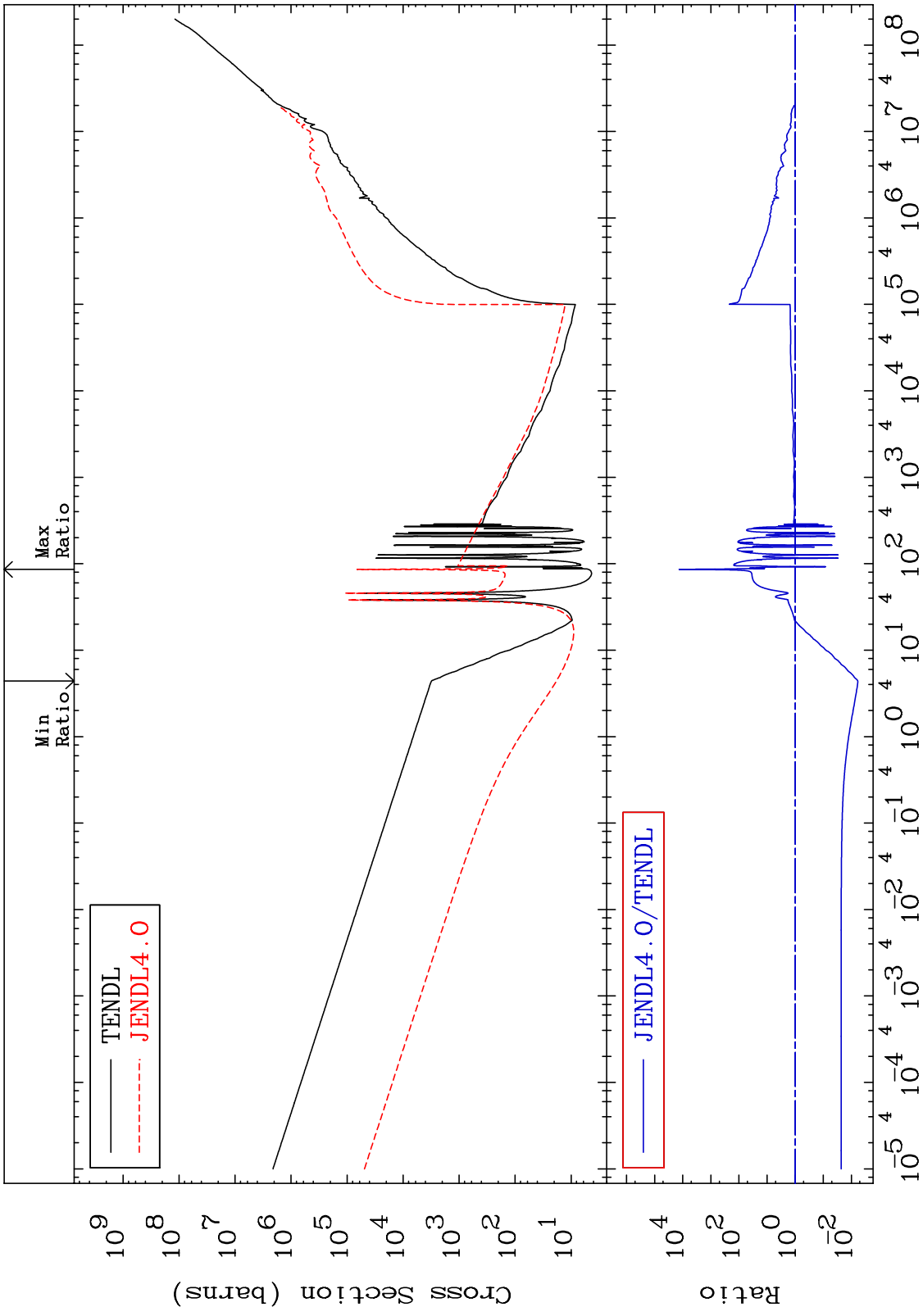
MAT 6631

Kerma elastic  
Cross Section

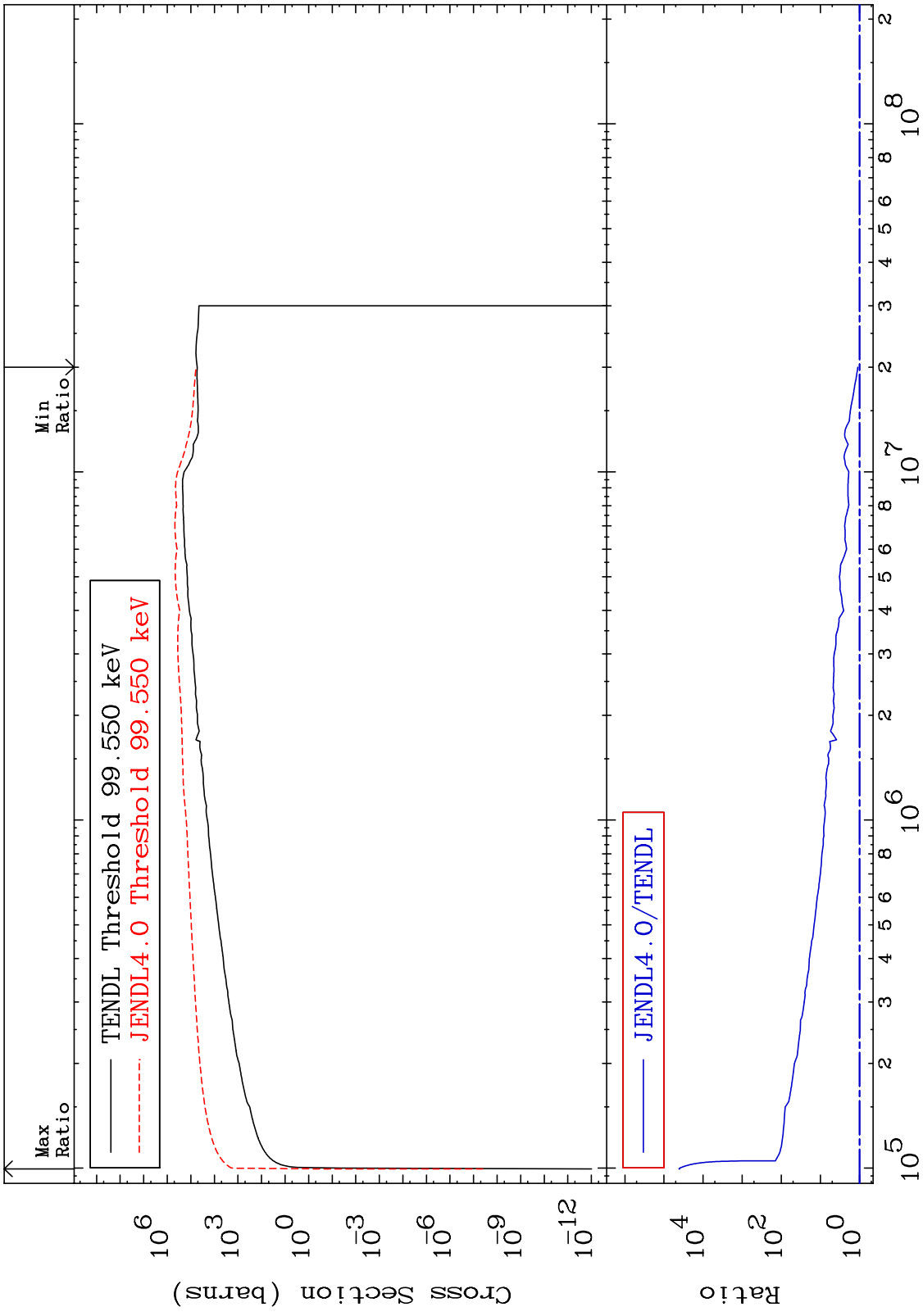
66-Dy-158  
-99.21 To 9999. %



MAT 6631 Kerma non-elastic (all but mt2) 66-Dy-158  
 -99.41 To 9999. %  
 Cross Section



MAT 6631 Kerma inelastic (mt51-91) 66-Dy-158  
 Cross Section 10.71 To 9999. %

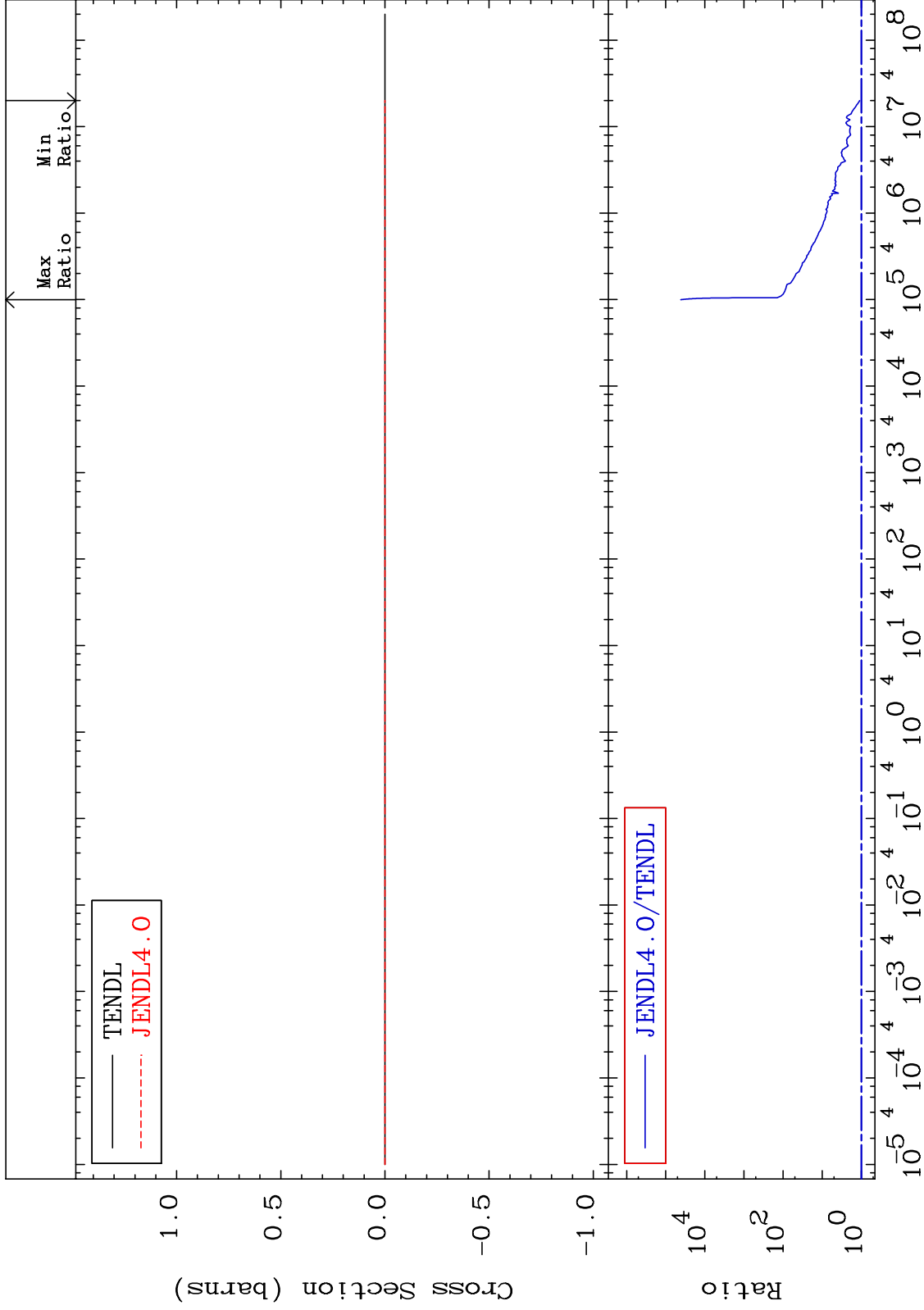


50 66-Dy-158

MAT 6631

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

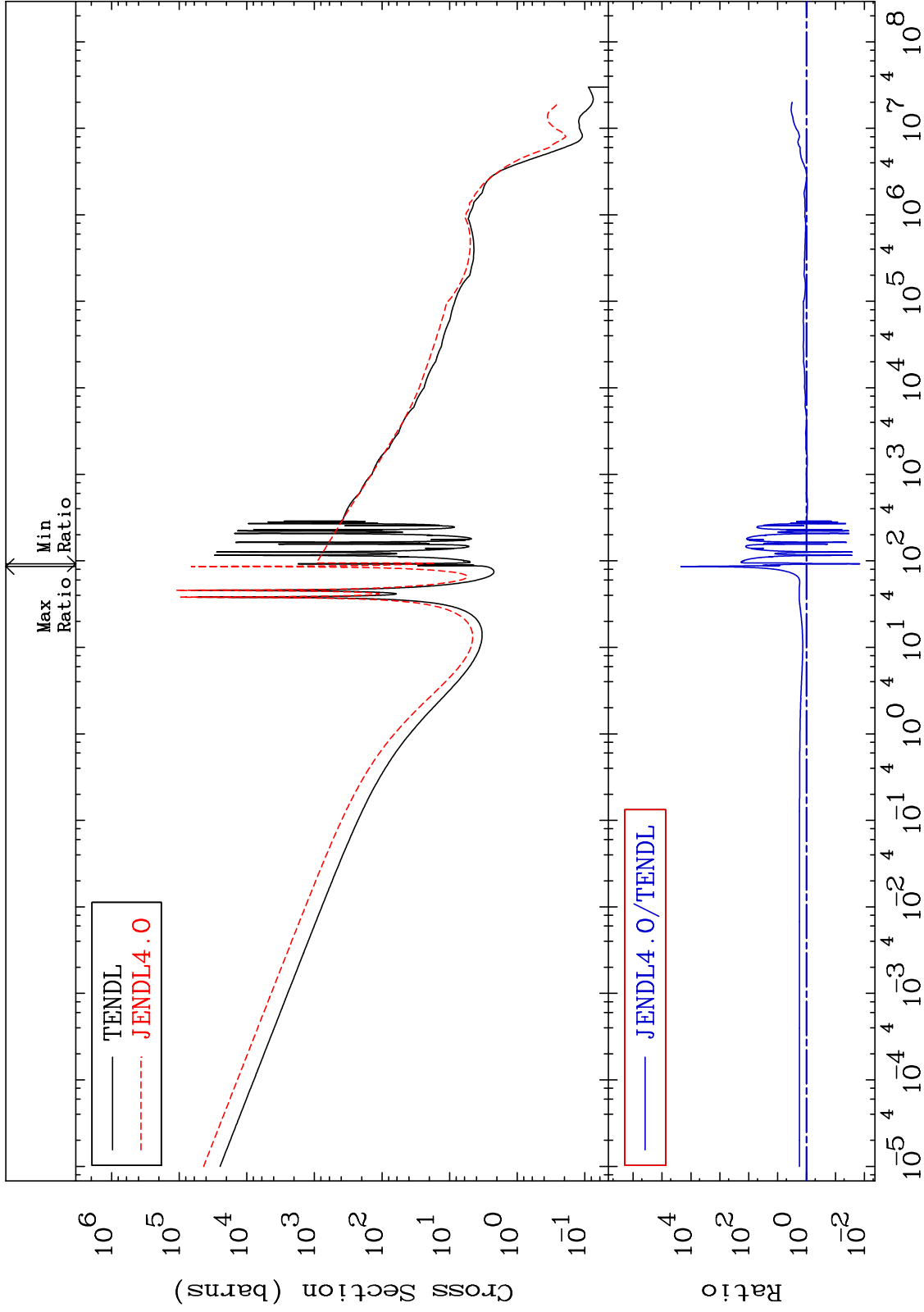
66-Dy-158  
10.71 To 9999. %



MAT 6631

Kerma capture (mt102)  
Cross Section

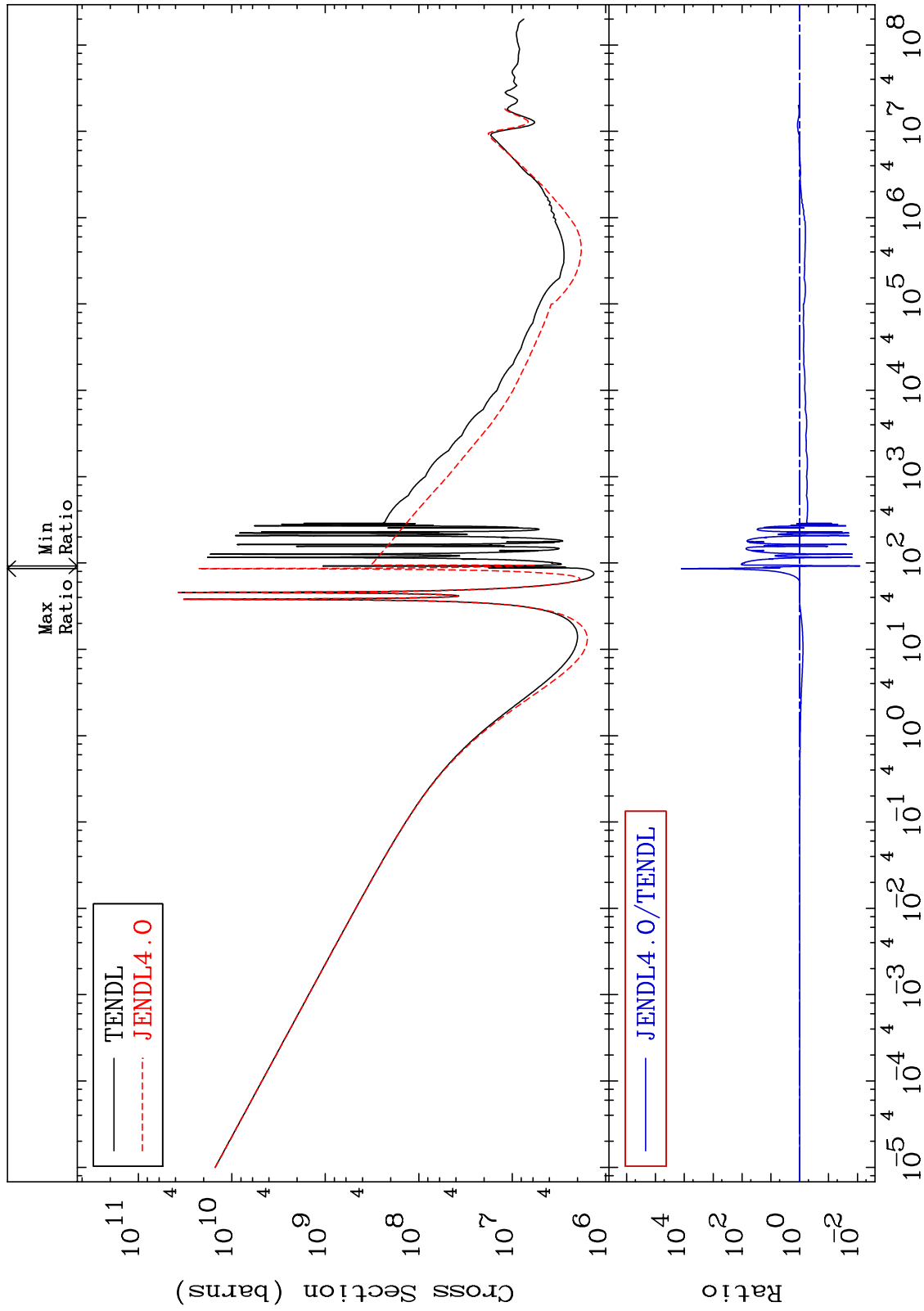
66-Dy-158  
-98.54 To 9999. %



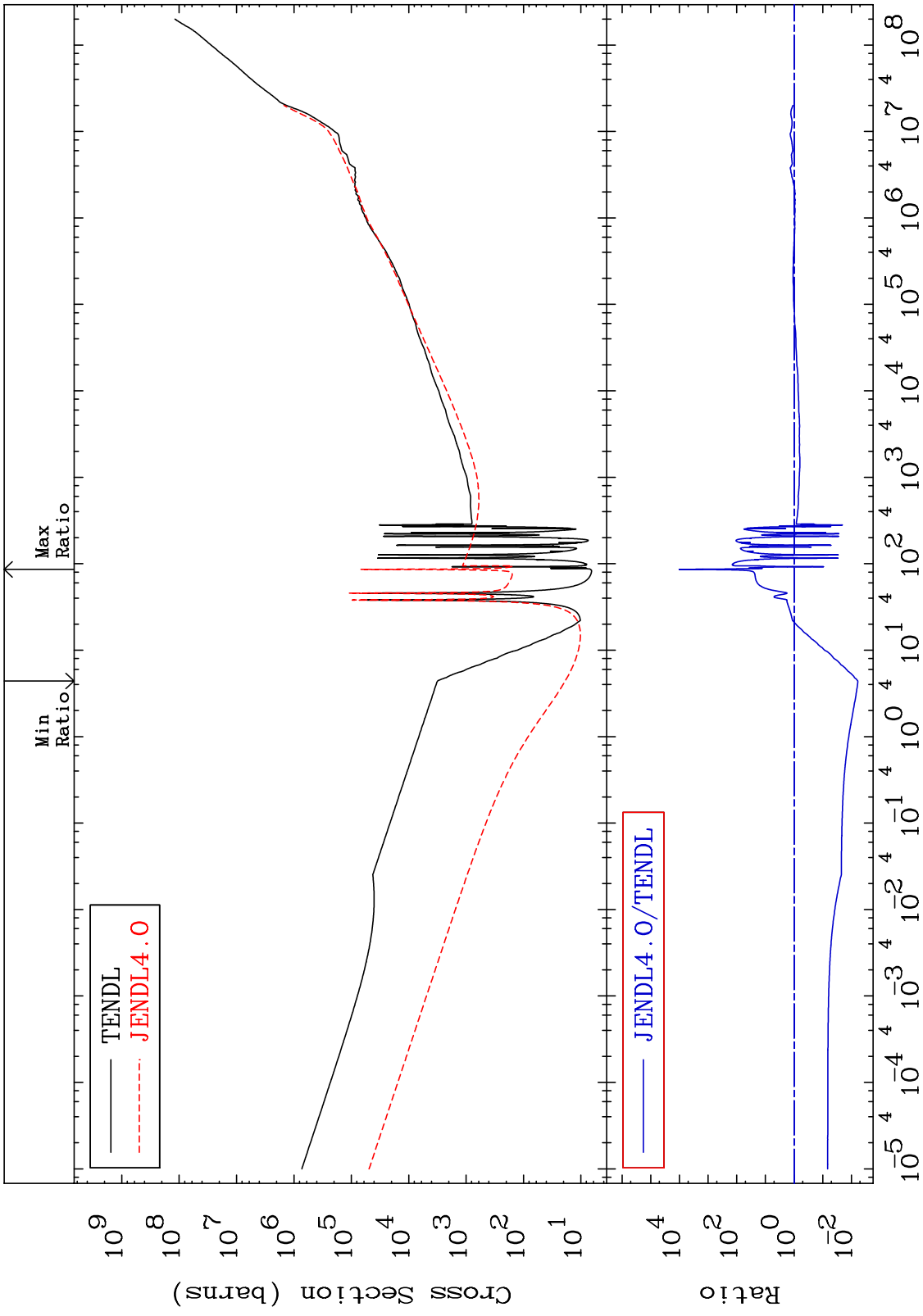
MAT 6631

Total photon (eV-barns)  
Cross Section

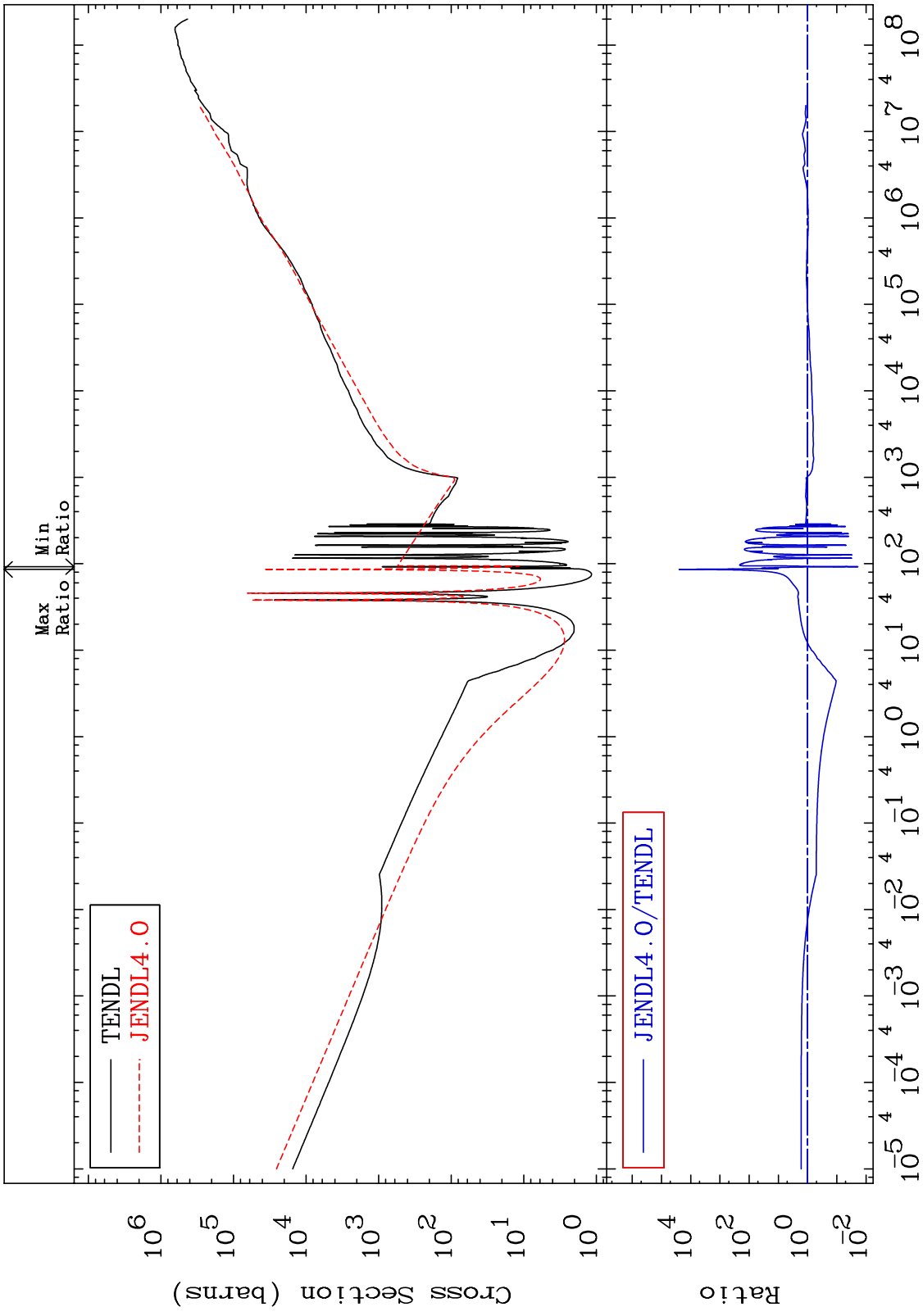
66-Dy-158  
-99.17 To 9999. %



MAT 6631 Total kinematic kerma (high limit) 66-Dy-158  
 Cross Section -99.40 To 9999. %

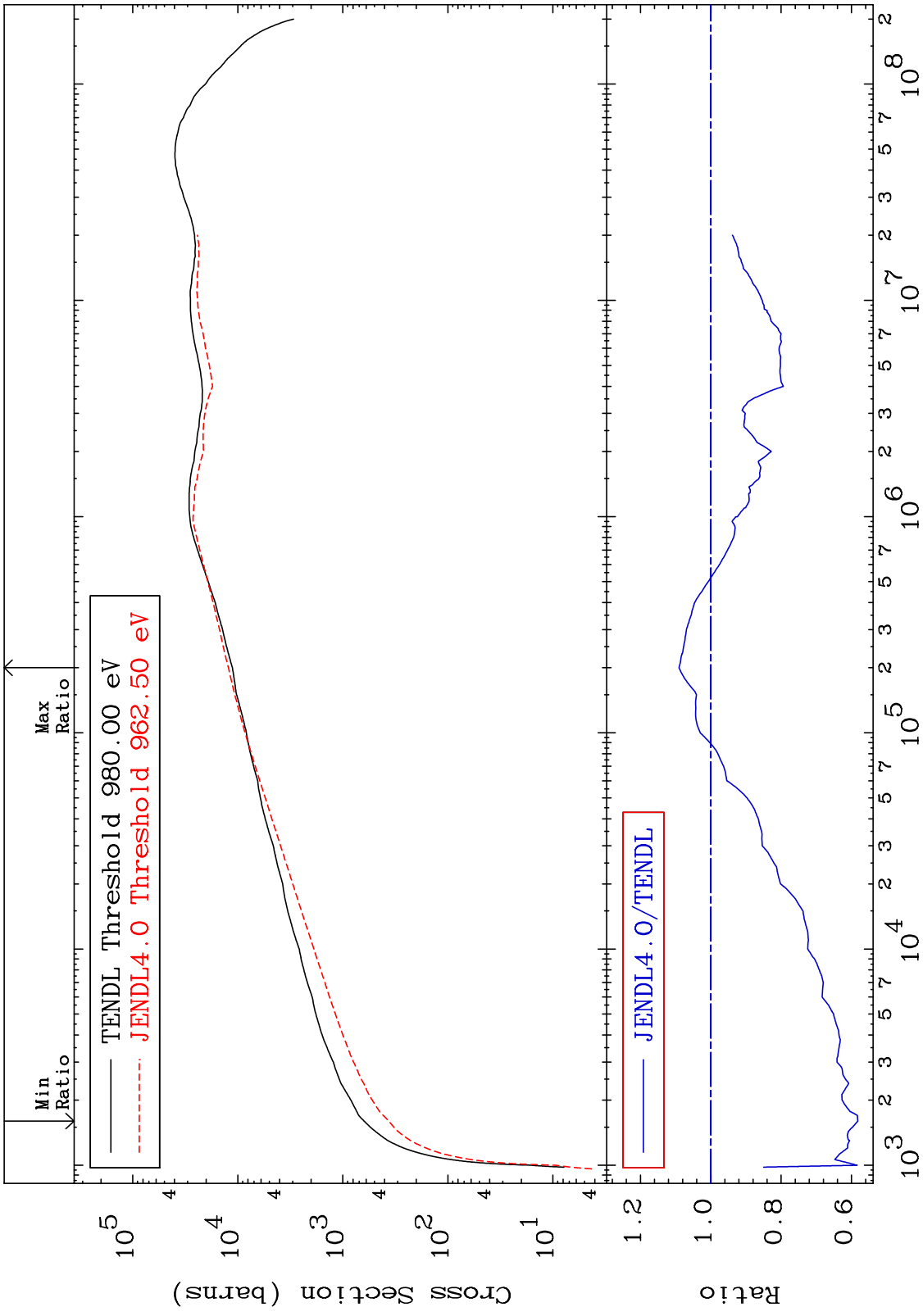


MAT 6631      Dpa total (eV-barns)      66-Dy-158  
 Cross Section      -98.10 To 9999. %

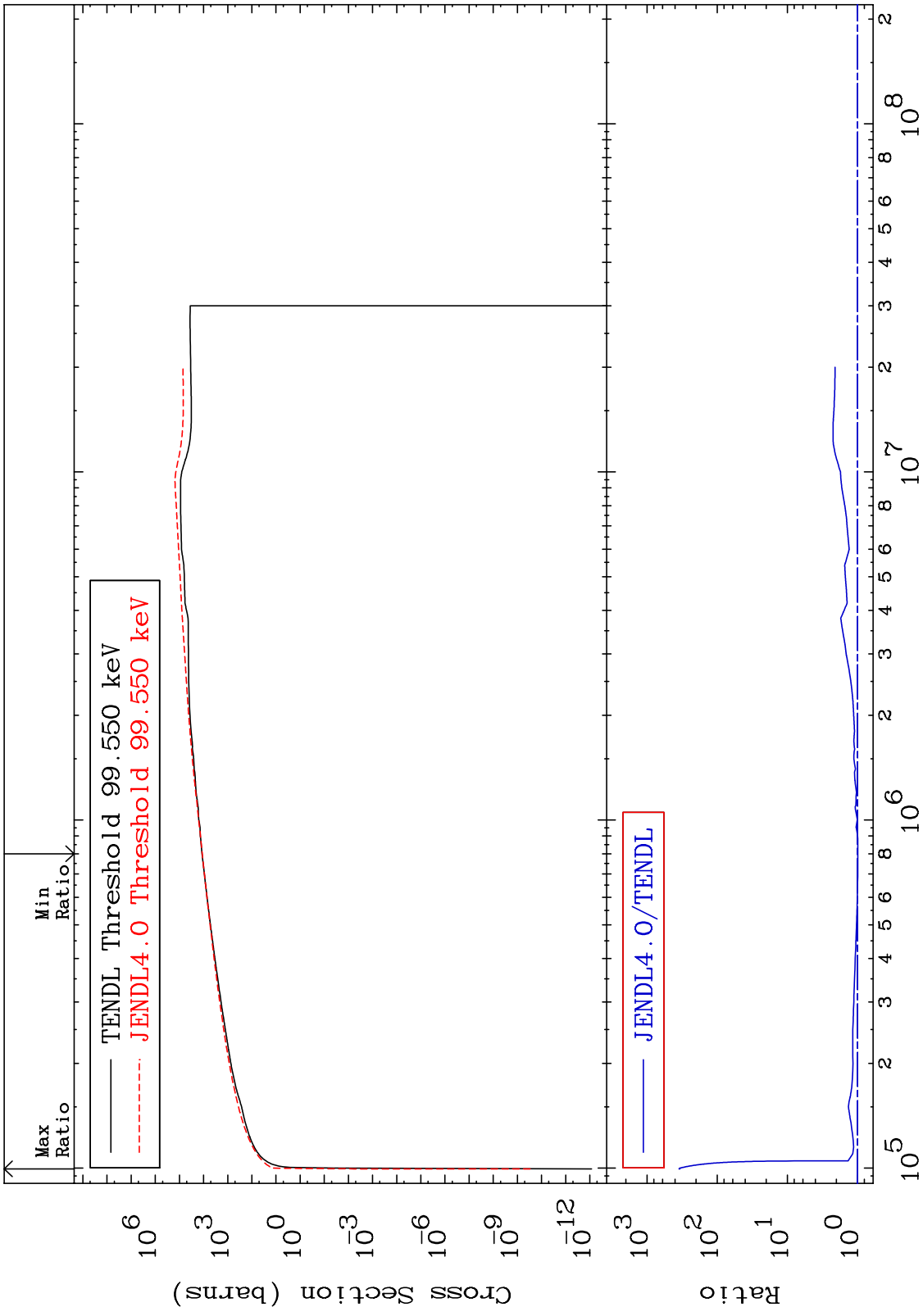


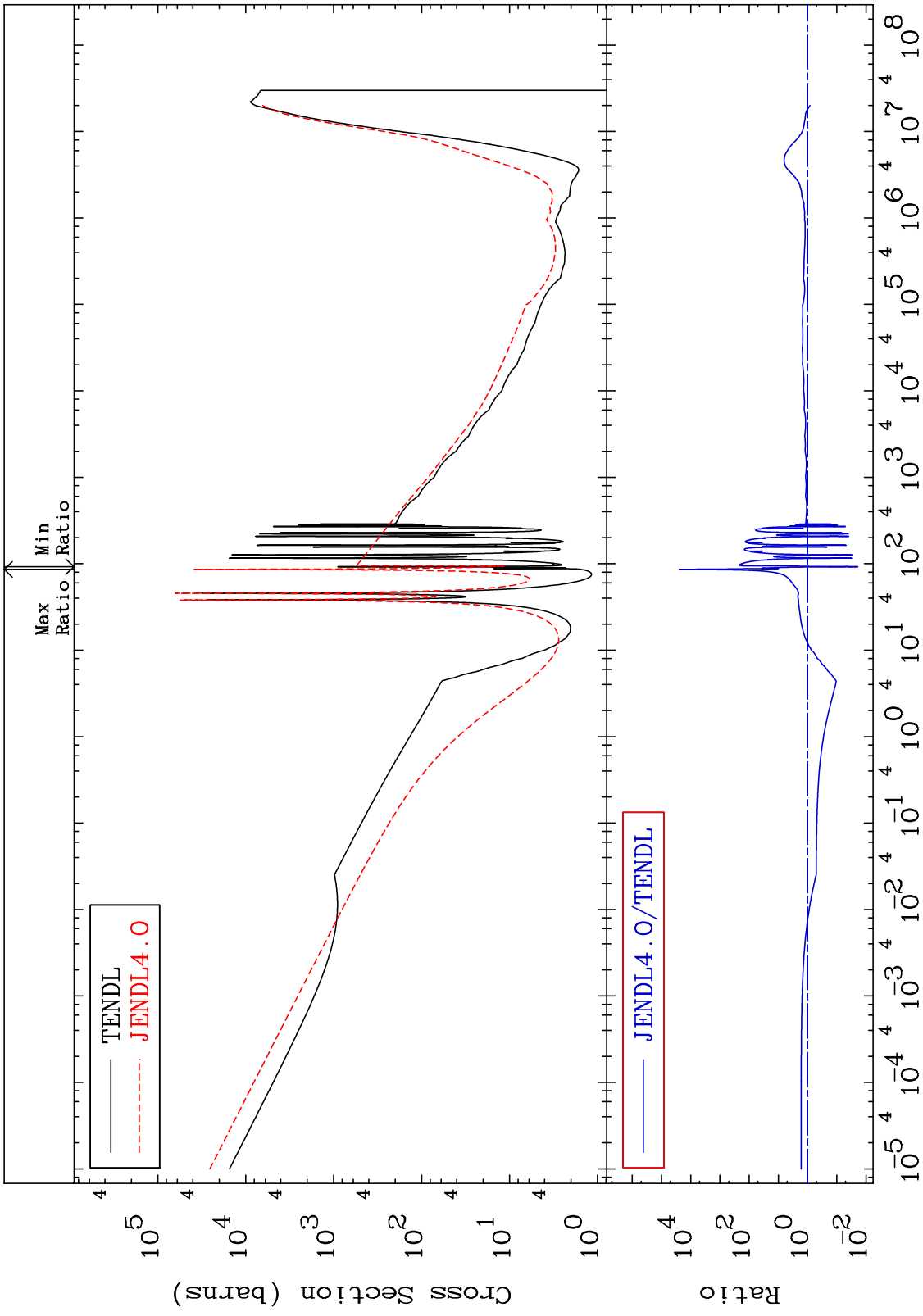


MAT 6631 66-Dy-158  
 Dpa elastic (mt2) -41.80 To 9.024 %  
 Cross Section



MAT 6631      Dpa inelastic (mt51-91)      66-Dy-158  
Cross Section      -0.943 To 9999. %





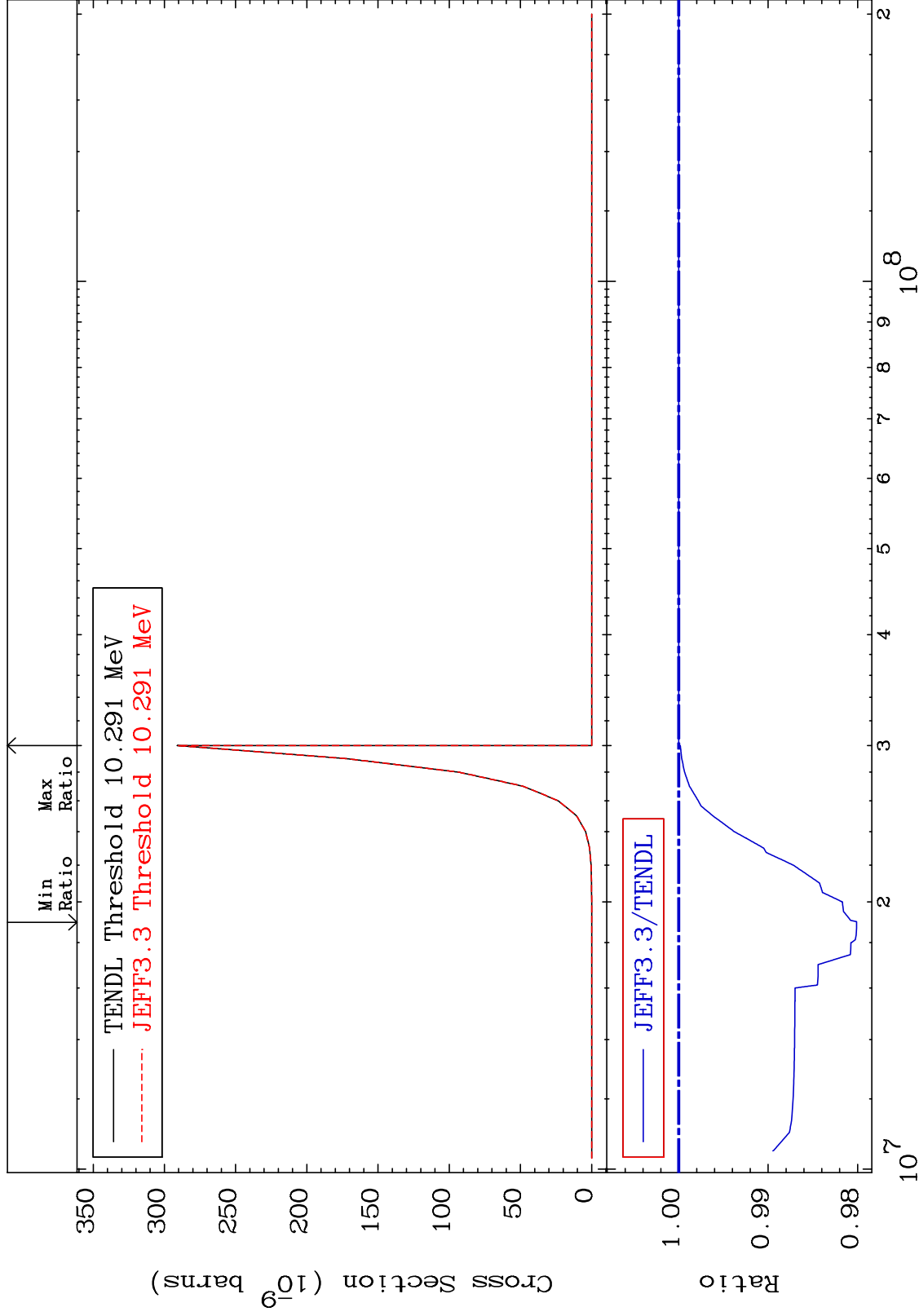
MAT 6631

(n,p) d

66-Dy-158

Cross Section

-1.989 To 0.000 %

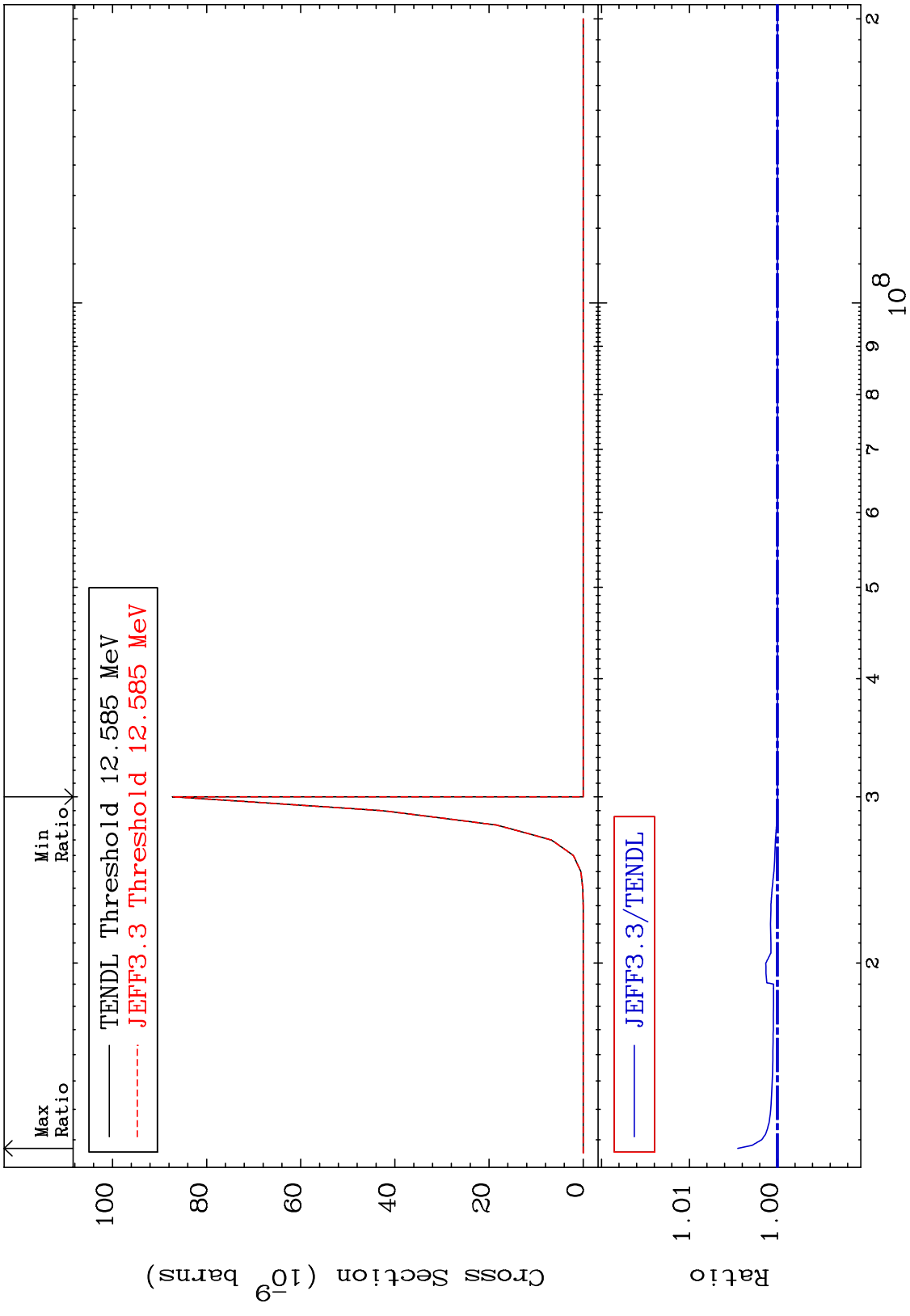


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Incident Energy (eV)

66-Dy-158

MAT 6631 (n,p) t 66-Dy-158  
 Cross Section -0.002 To 0.451 %



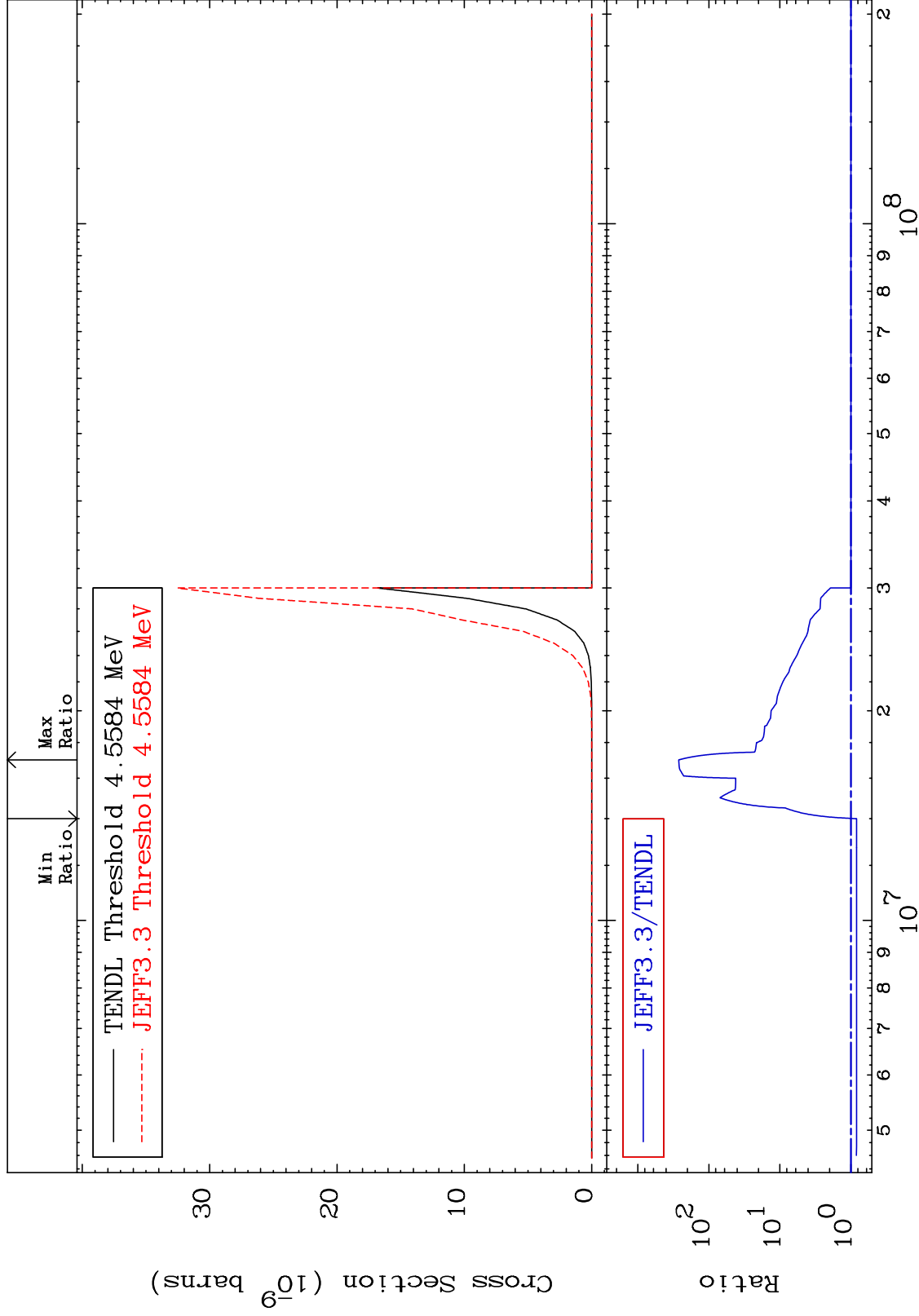
MAT 6631

(n,d)  $\alpha$

66-Dy-158

-16.88 To 9999. %

Cross Section

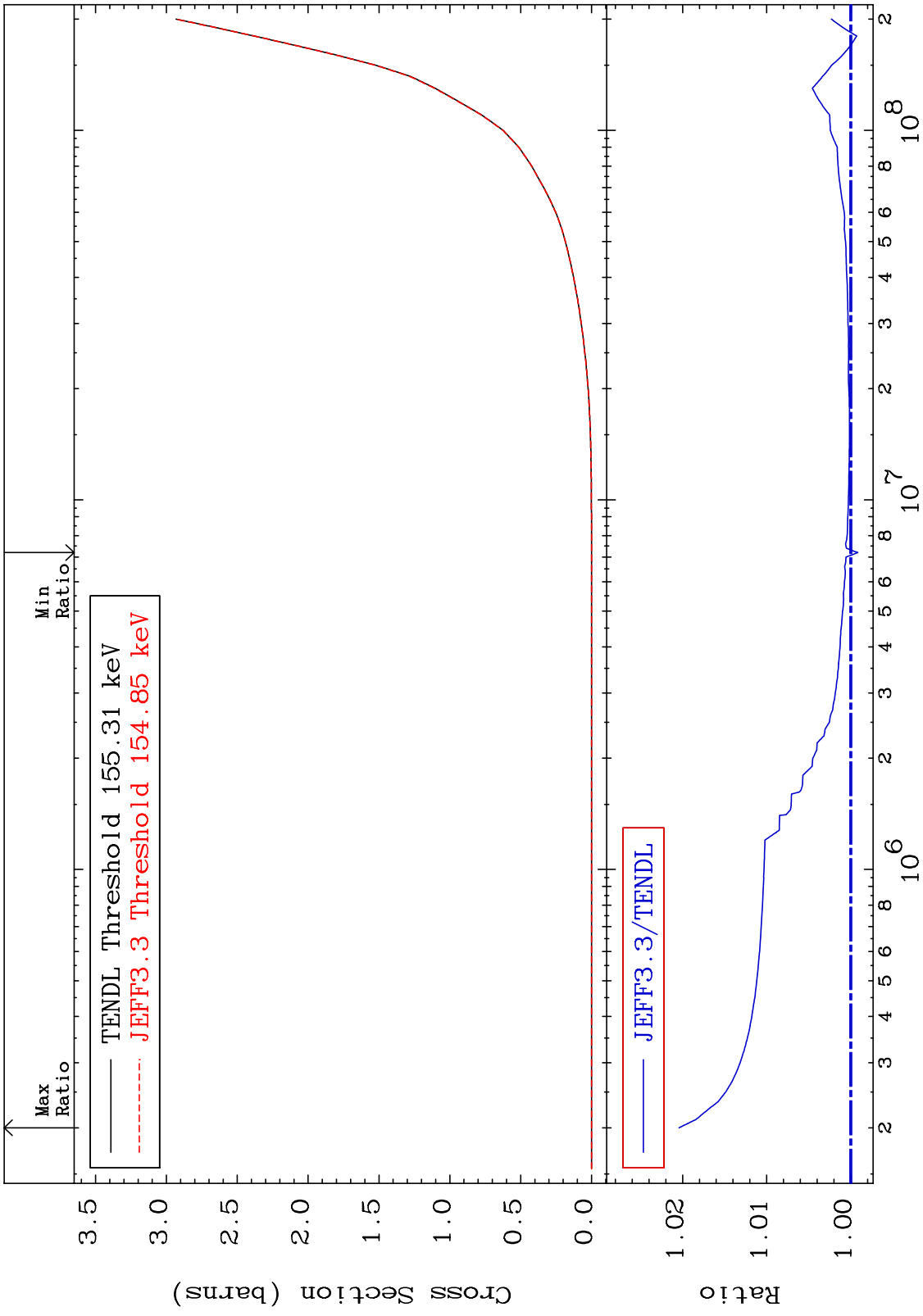


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Incident Energy (eV)

66-Dy-158

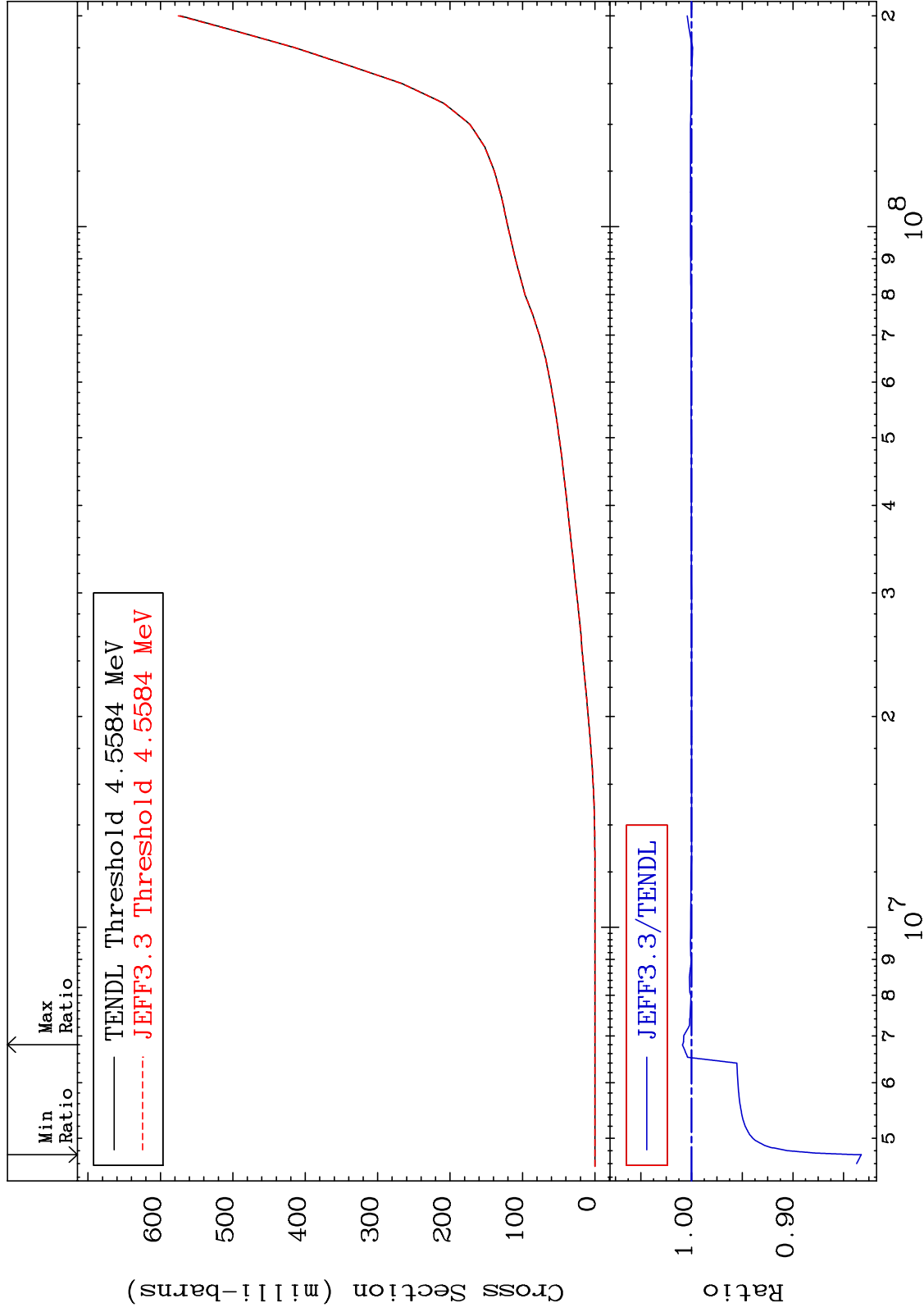
MAT 6631 Hydrogen Production Cross Section 66-Dy-158  
 -0.084 To 2.042 %



MAT 6631

Deuterium Production  
Cross Section

66-Dy-158  
-16.74 To 0.893 %



63

Incident Energy (eV)

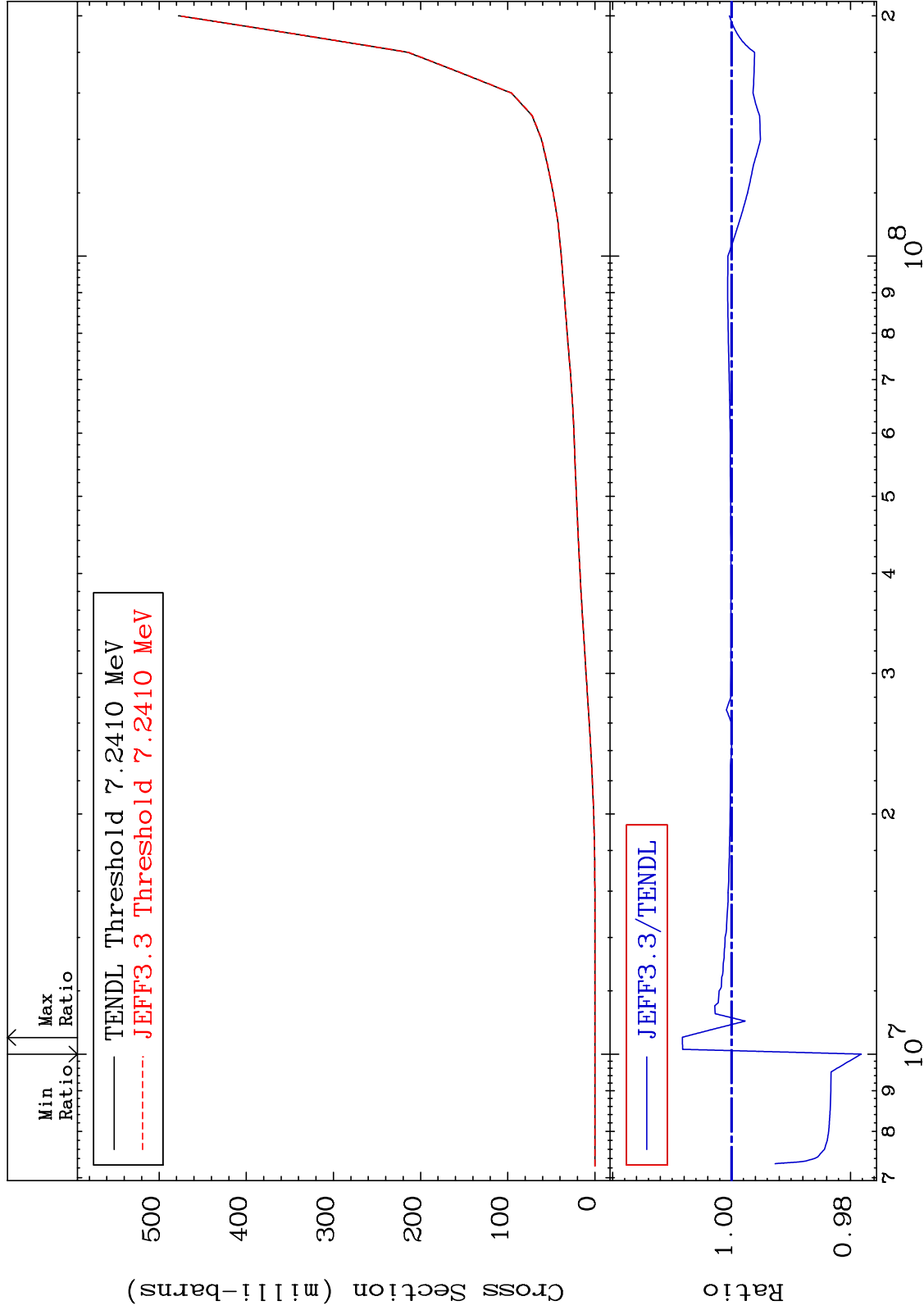
66-Dy-158



MAT 6631

Tritium Production  
Cross Section

66-Dy-158  
-2.182 To 0.827 %



64

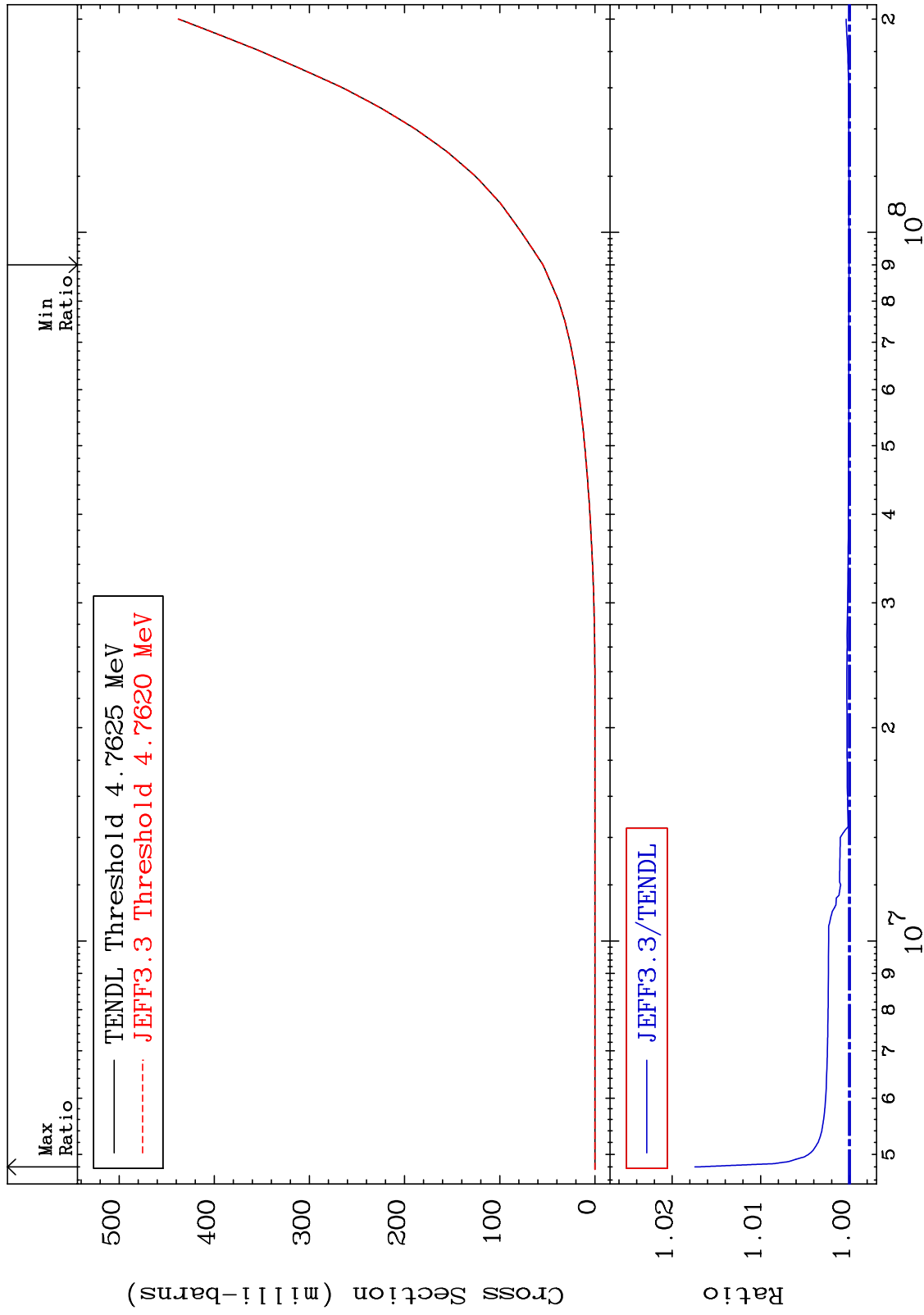
Incident Energy (eV)

66-Dy-158

MAT 6631

He-3 Production  
Cross Section

66-Dy-158  
To 1.743 %



65

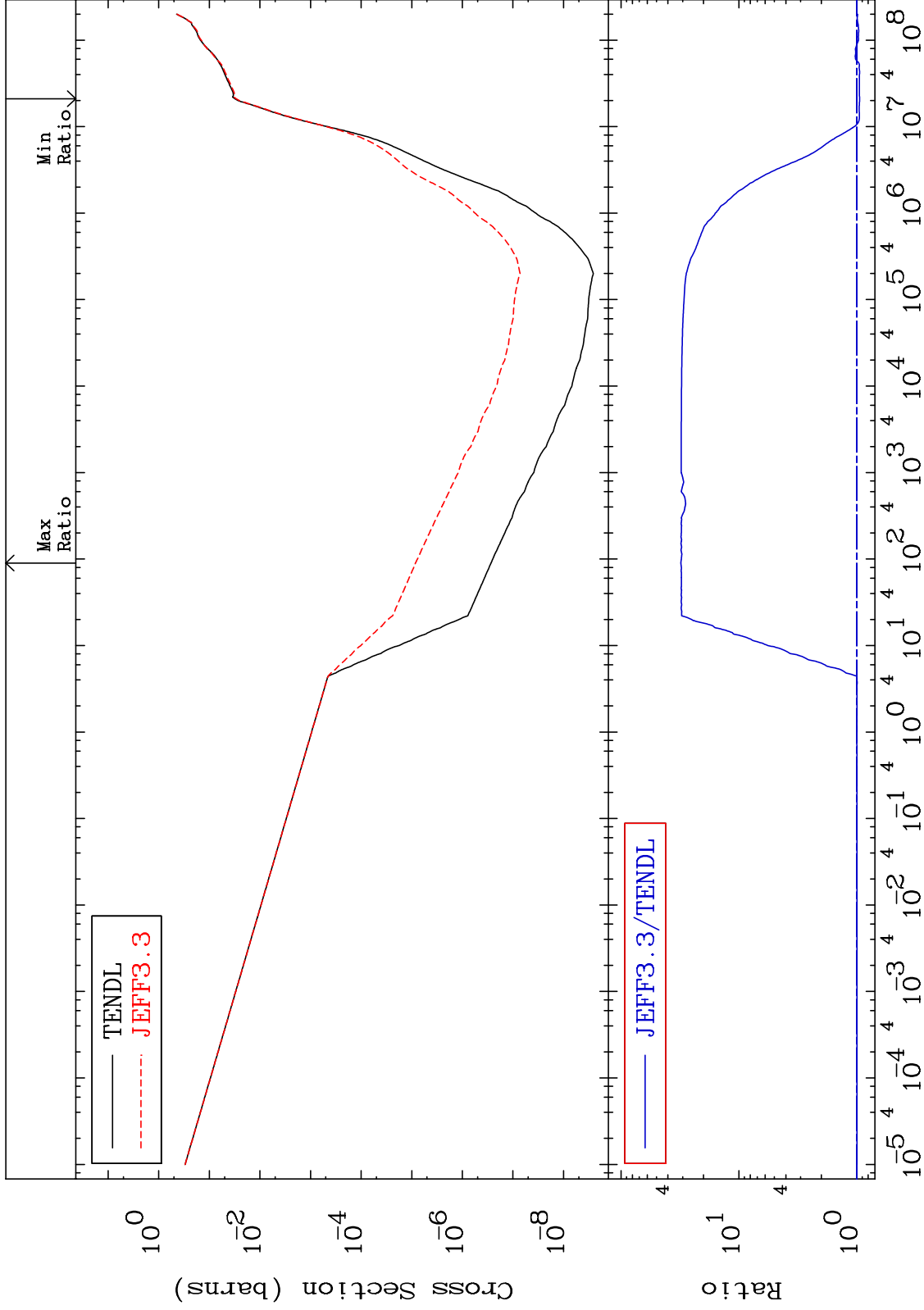
Incident Energy (eV)

66-Dy-158

MAT 6631

He-4 Production  
Cross Section

66-Dy-158  
-5.427 To 3011. %

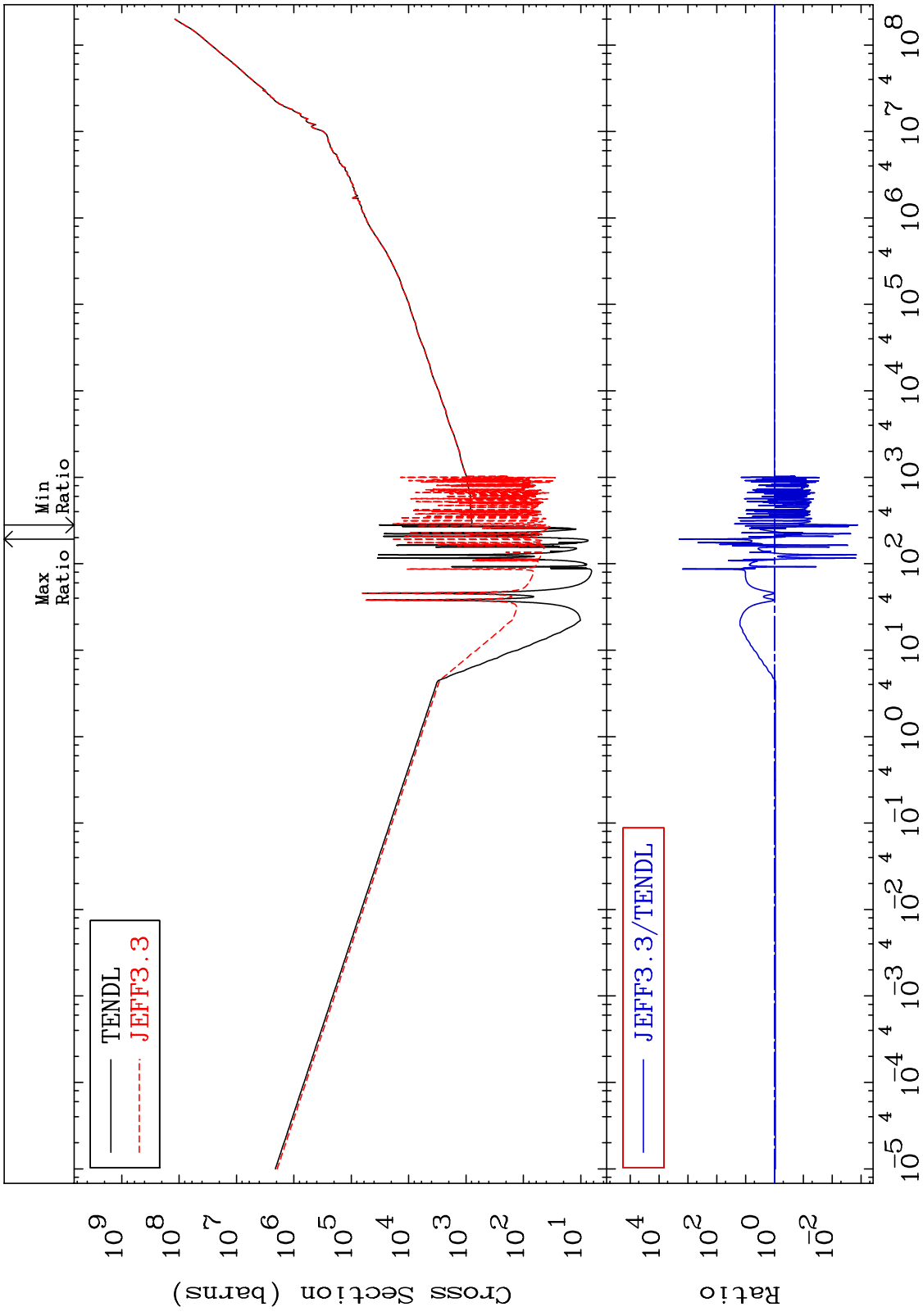


66

Incident Energy (eV)

66-Dy-158

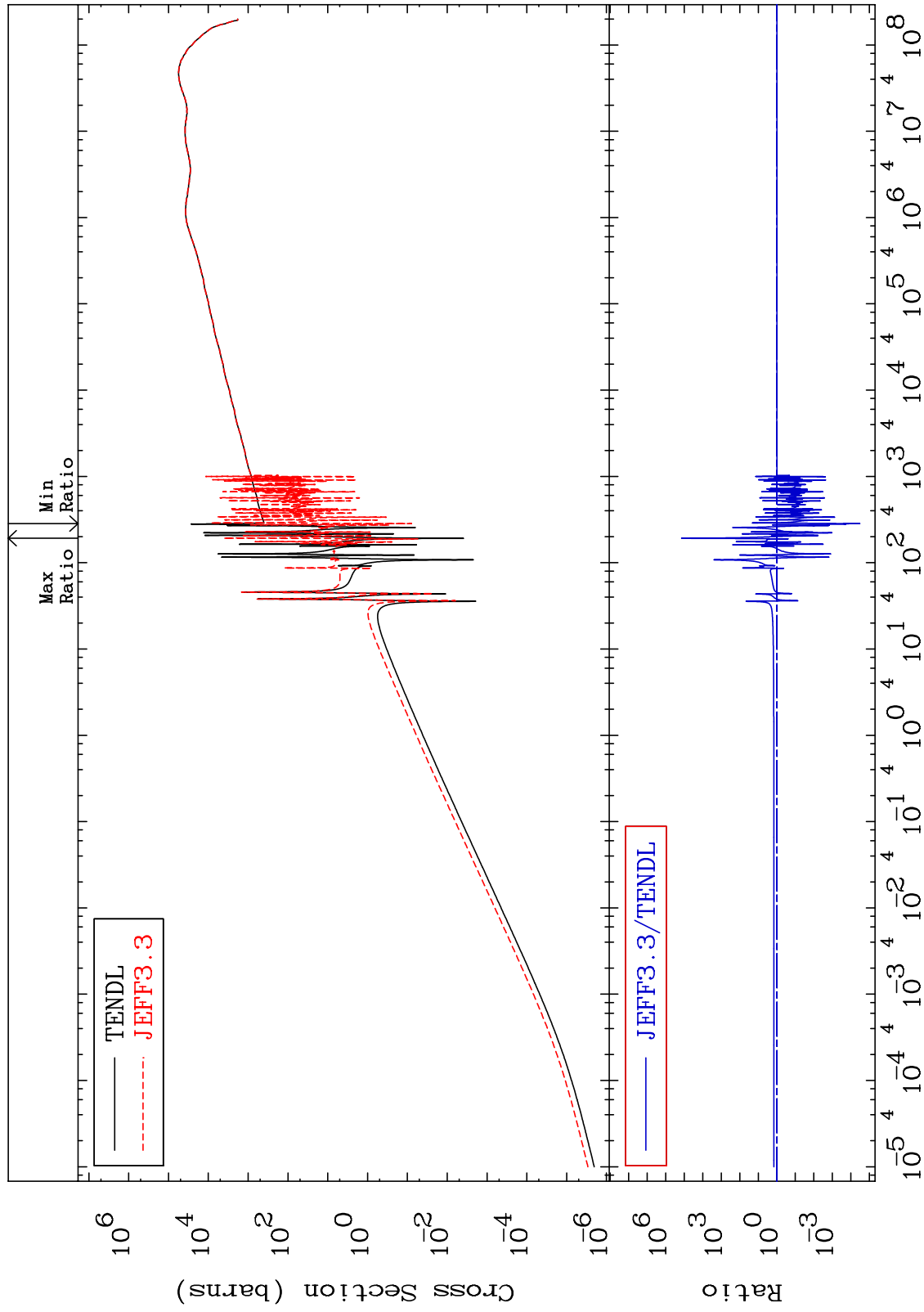
MAT 6631 Kerma total (eV-barns) 66-Dy-158  
 Cross Section -99.87 To 9999. %



MAT 6631

Kerma elastic  
Cross Section

66-Dy-158  
-100.0 To 9999. %



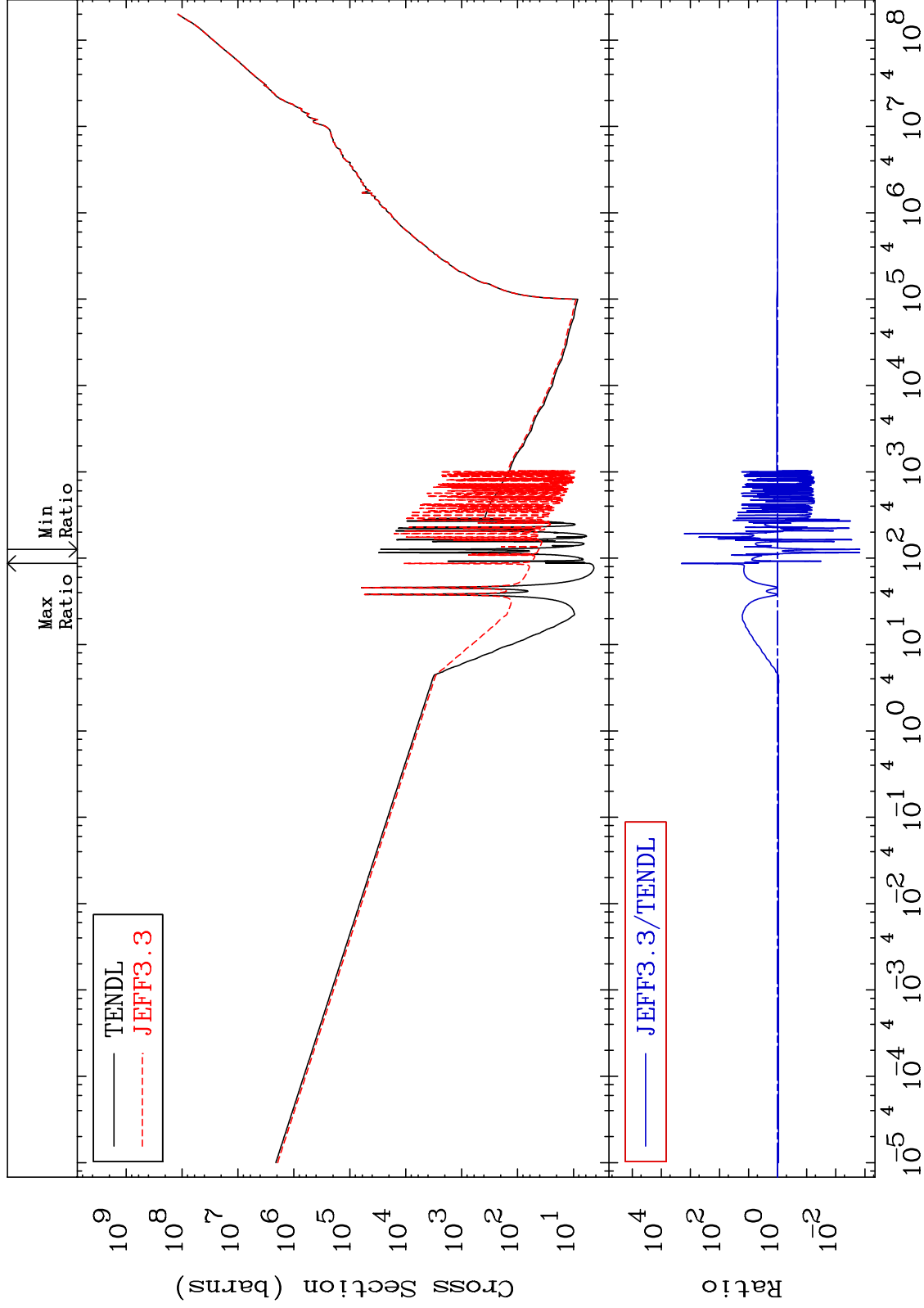
MAT 6631

Kerma non-elastic (all but mt2)

66-Dy-158

-99.85 To 9999. %

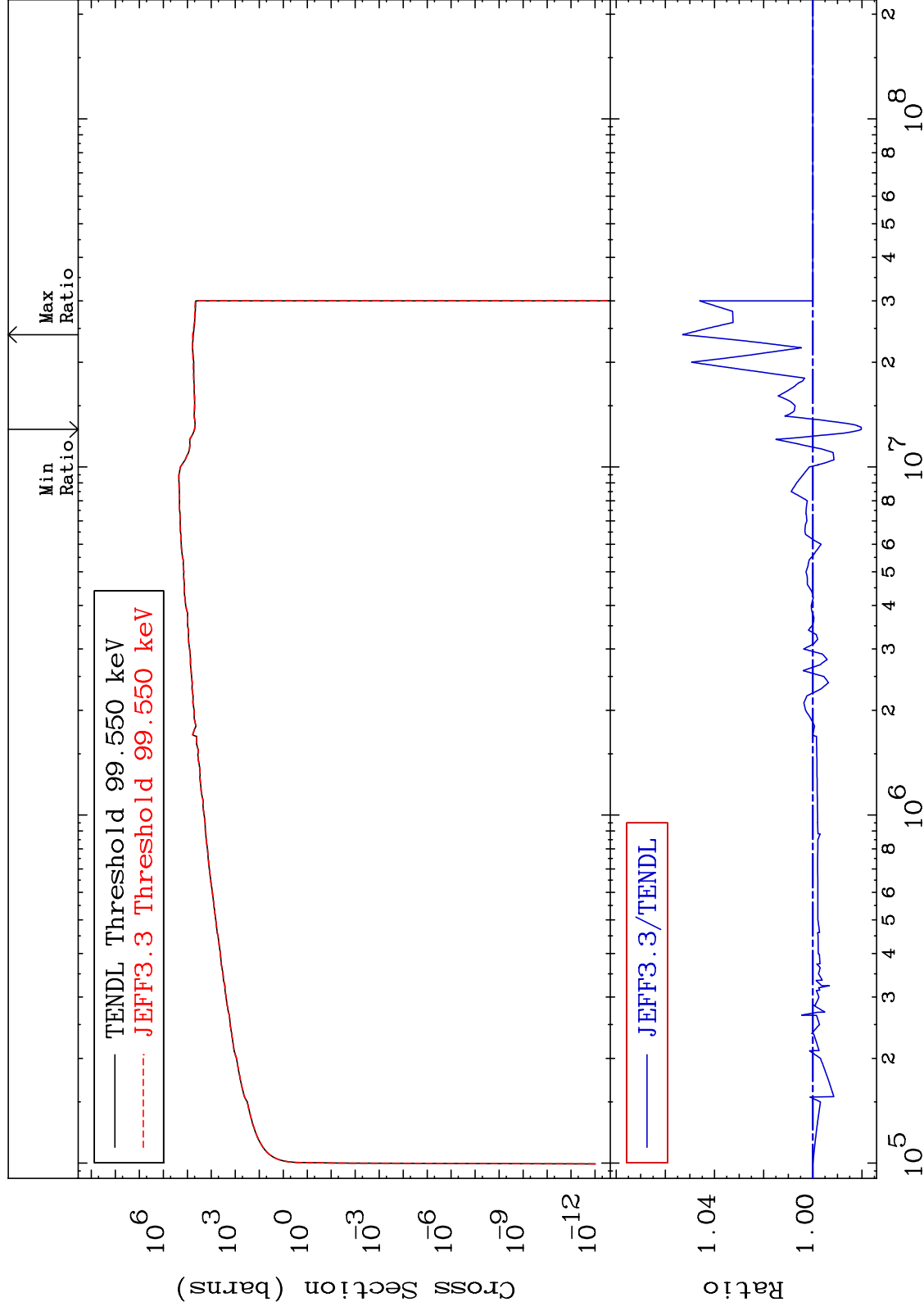
Cross Section



MAT 6631

Kerma inelastic (mt51-91)  
Cross Section

66-Dy-158  
-1.973 To 5.295 %



70

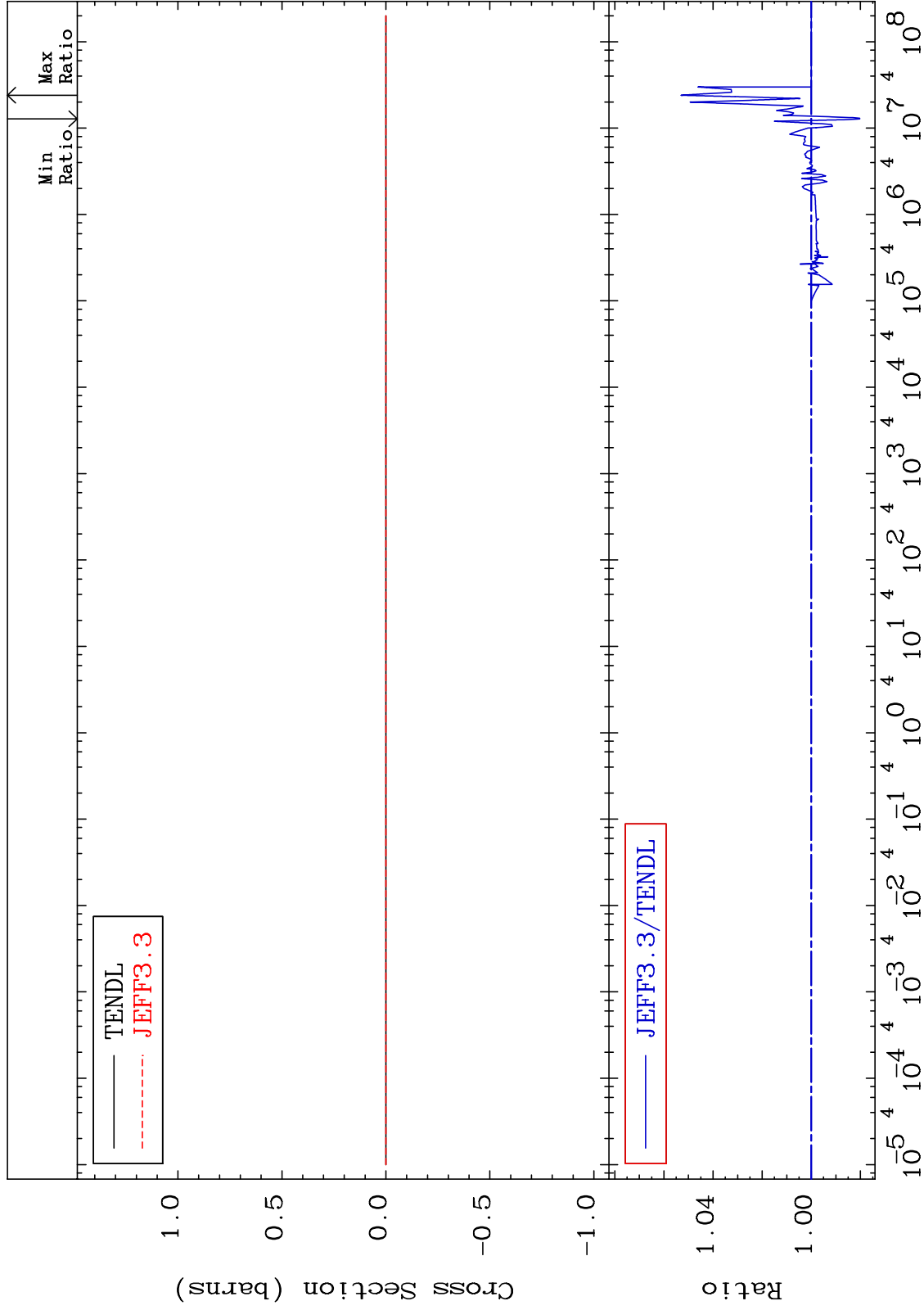
Incident Energy (eV)

66-Dy-158

MAT 6631

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

66-Dy-158  
-1.973 To 5.295 %

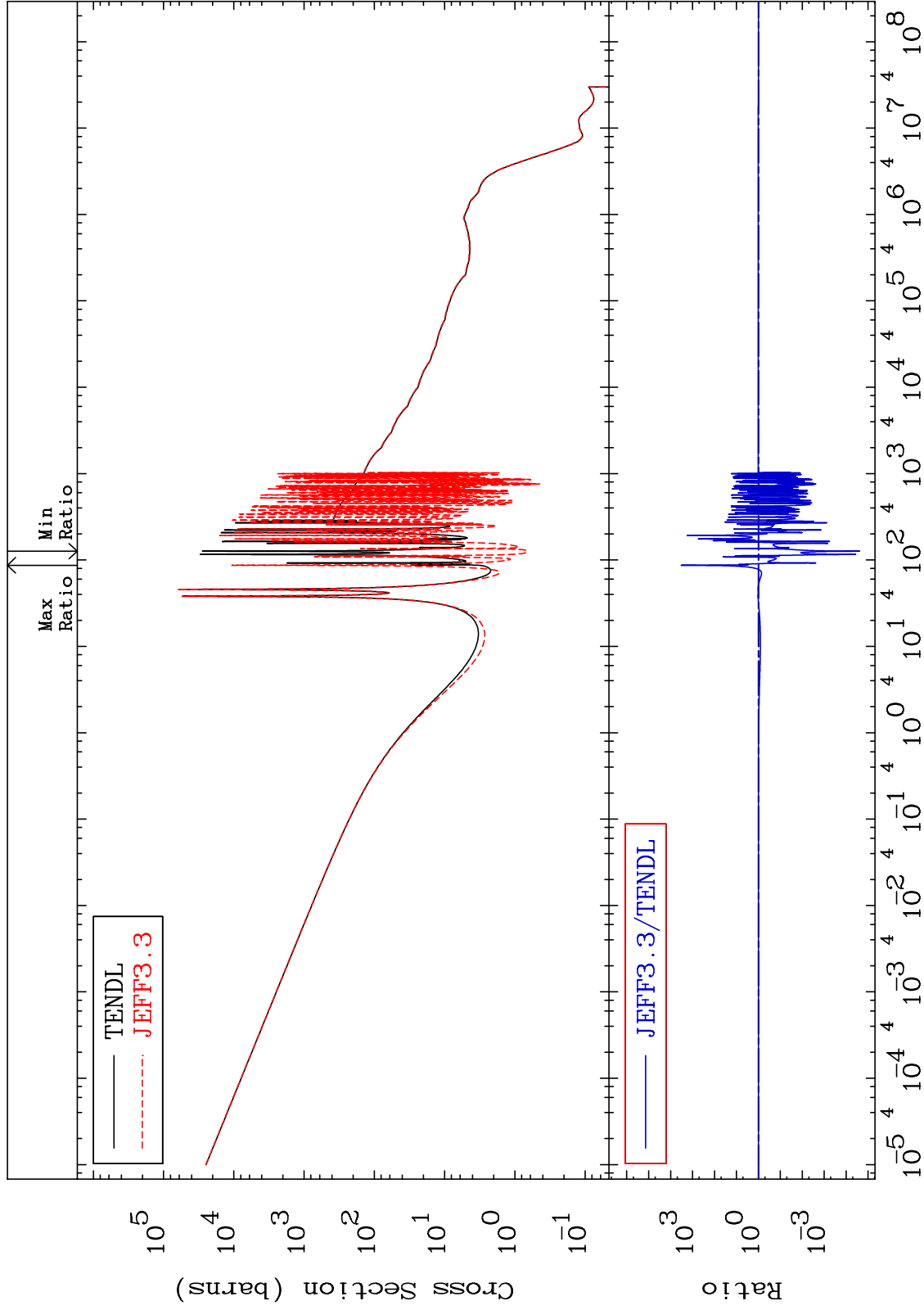




MAT 6631

Kerma capture (mt102)  
Cross Section

66-Dy-158  
-100.0 To 9999. %

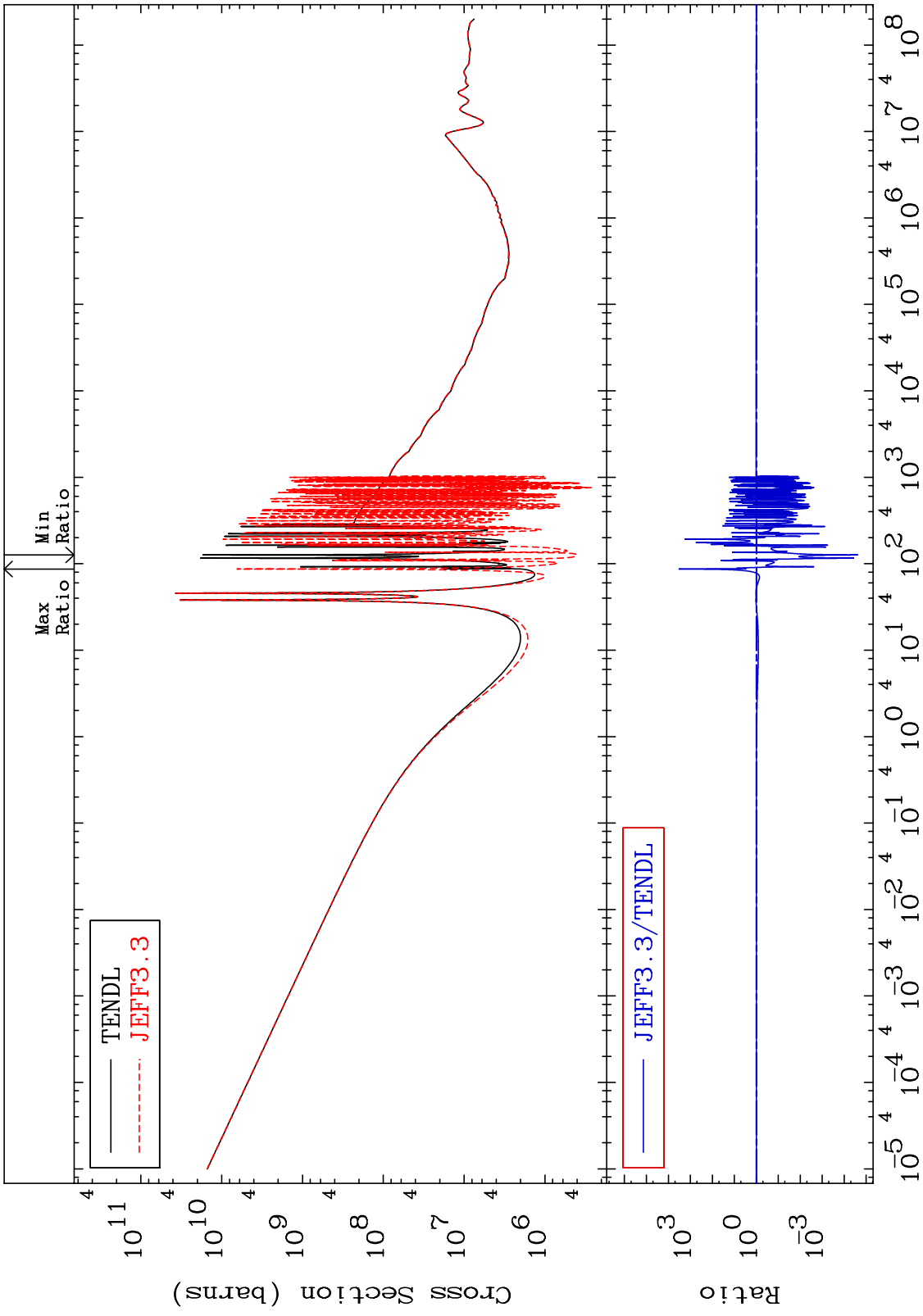


72

Incident Energy (eV)

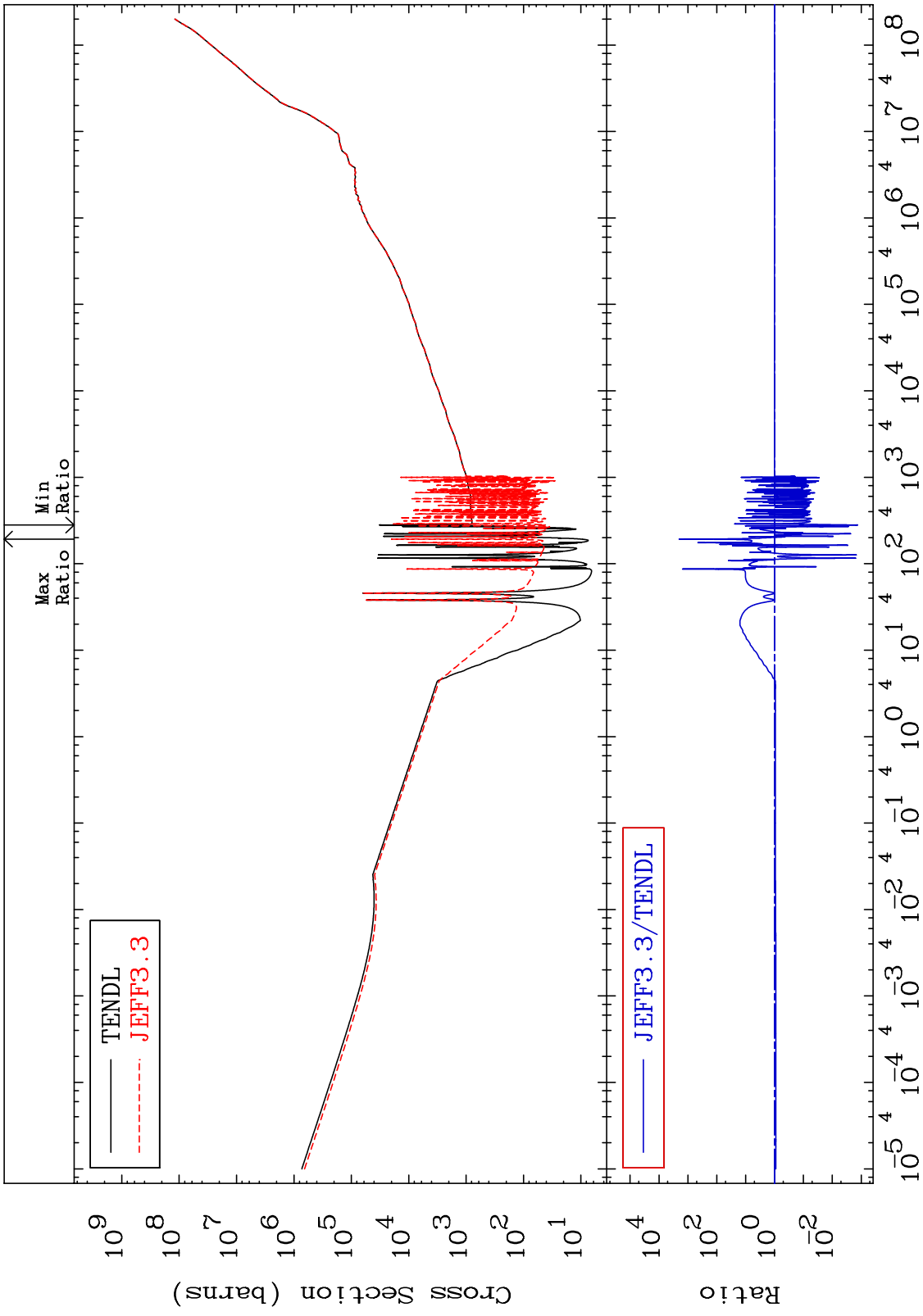
66-Dy-158

MAT 6631 66-Dy-158  
 Total photon (eV-barns) -100.0 To 9999. %  
 Cross Section



73 66-Dy-158

MAT 6631 Total kinematic kerma (high limit) 66-Dy-158  
Cross Section -99.87 To 9999. %



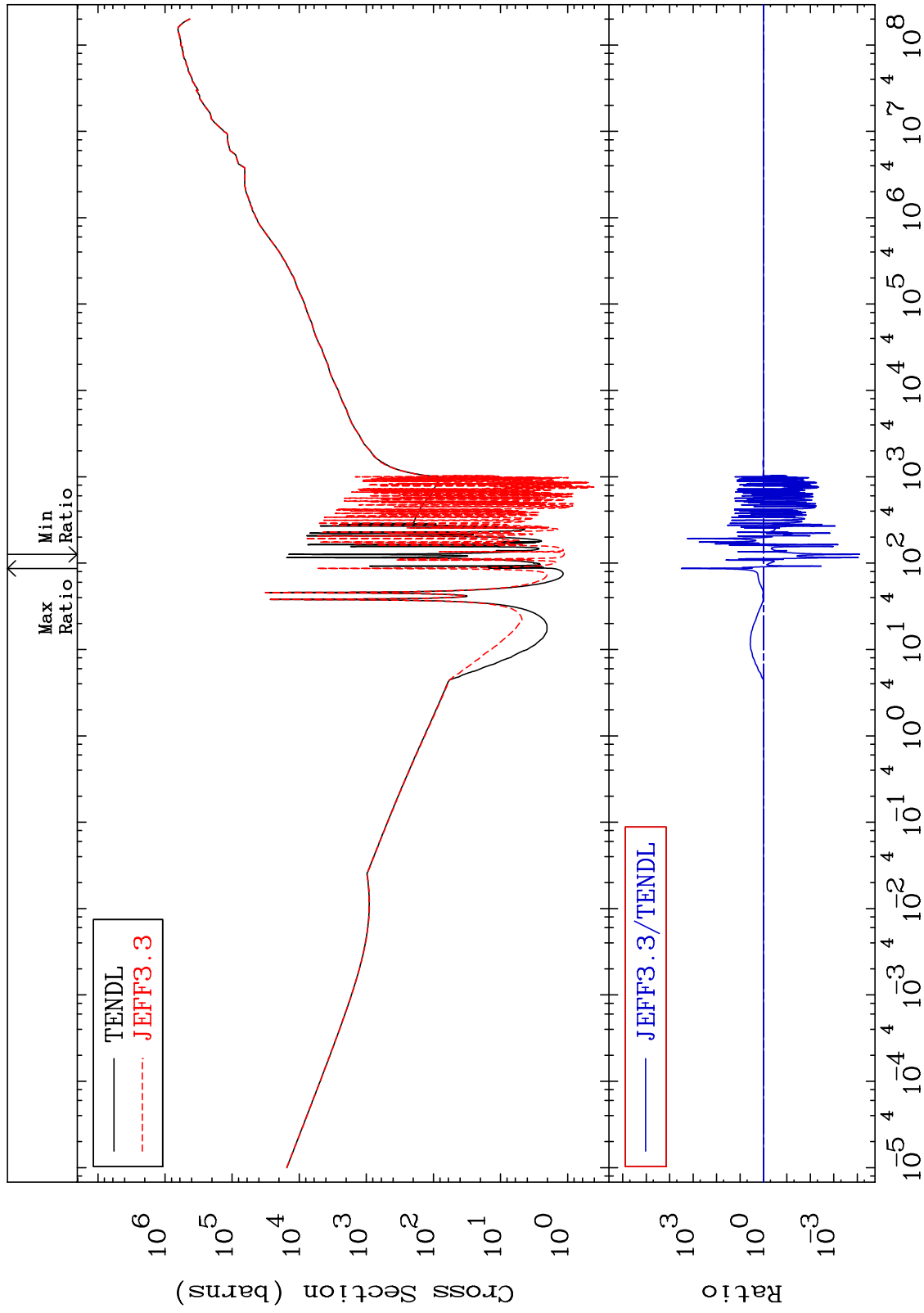
MAT 6631

Dpa total (eV-barns)

66-Dy-158

-99.99 To 9999. %

Cross Section



75

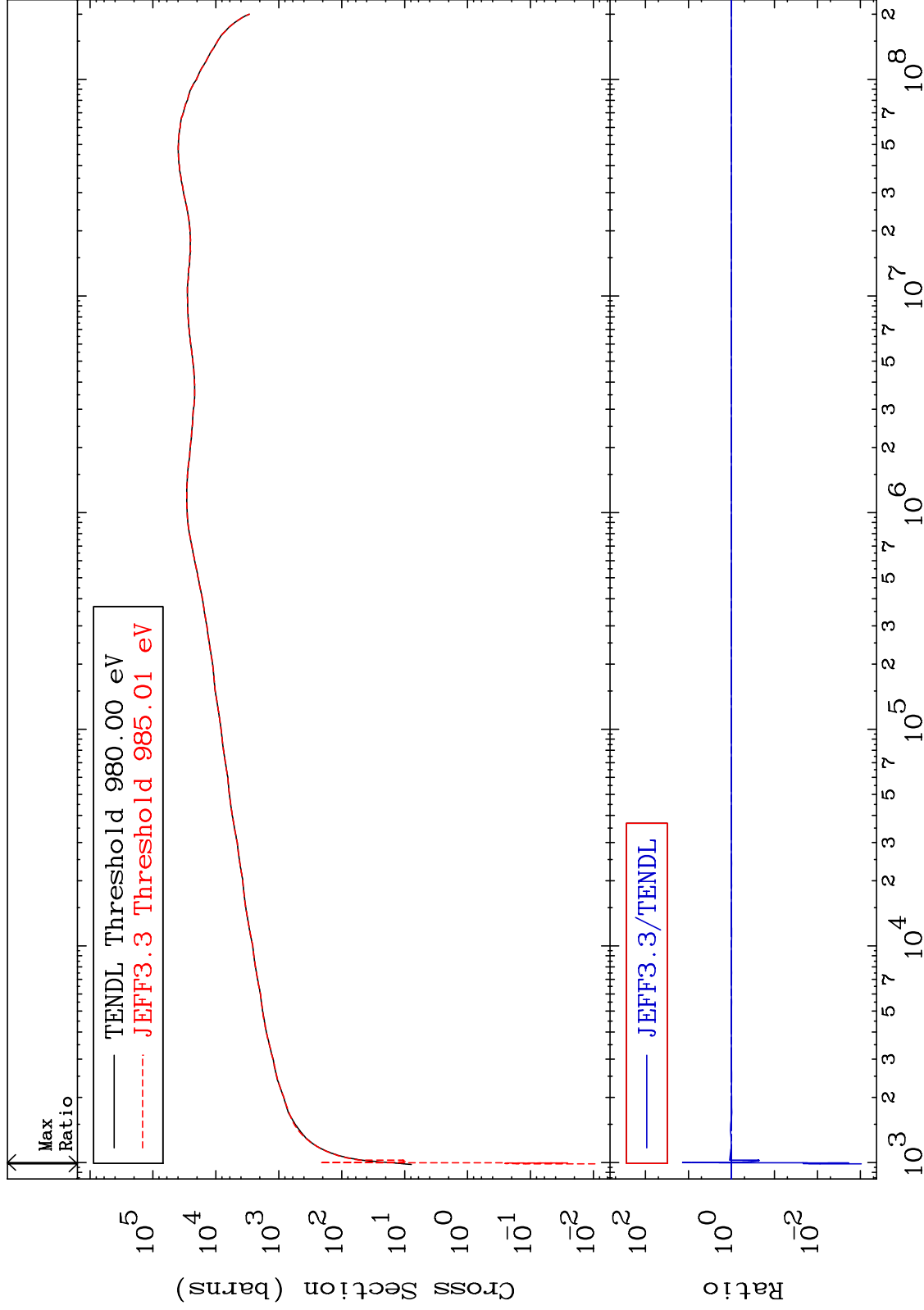
Incident Energy (eV)

66-Dy-158

MAT 6631

Dpa elastic (mt2)  
Cross Section

66-Dy-158  
-99.90 To 1278. %



76

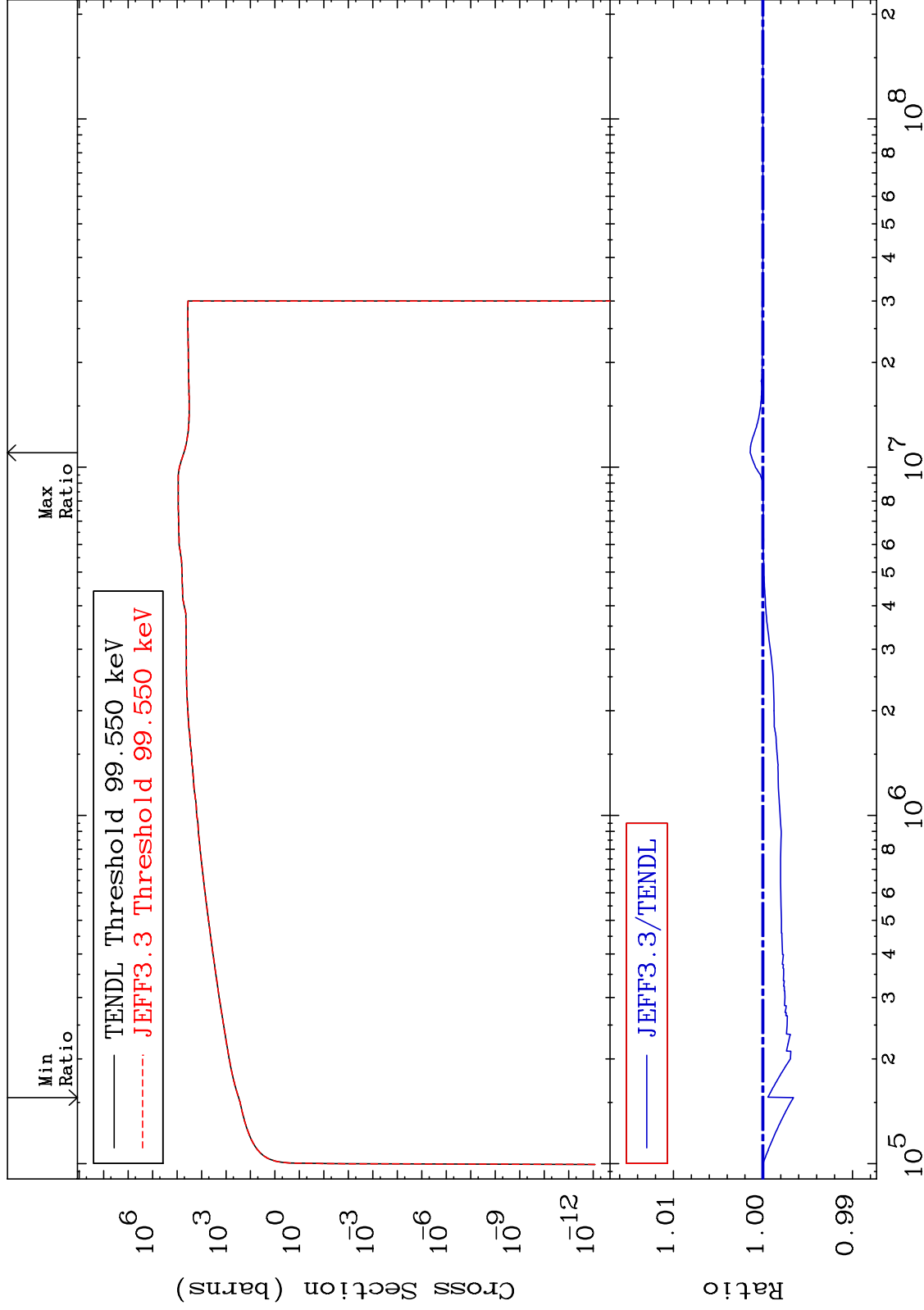
Incident Energy (eV)

66-Dy-158

MAT 6631

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-158  
-0.342 To 0.142 %



77

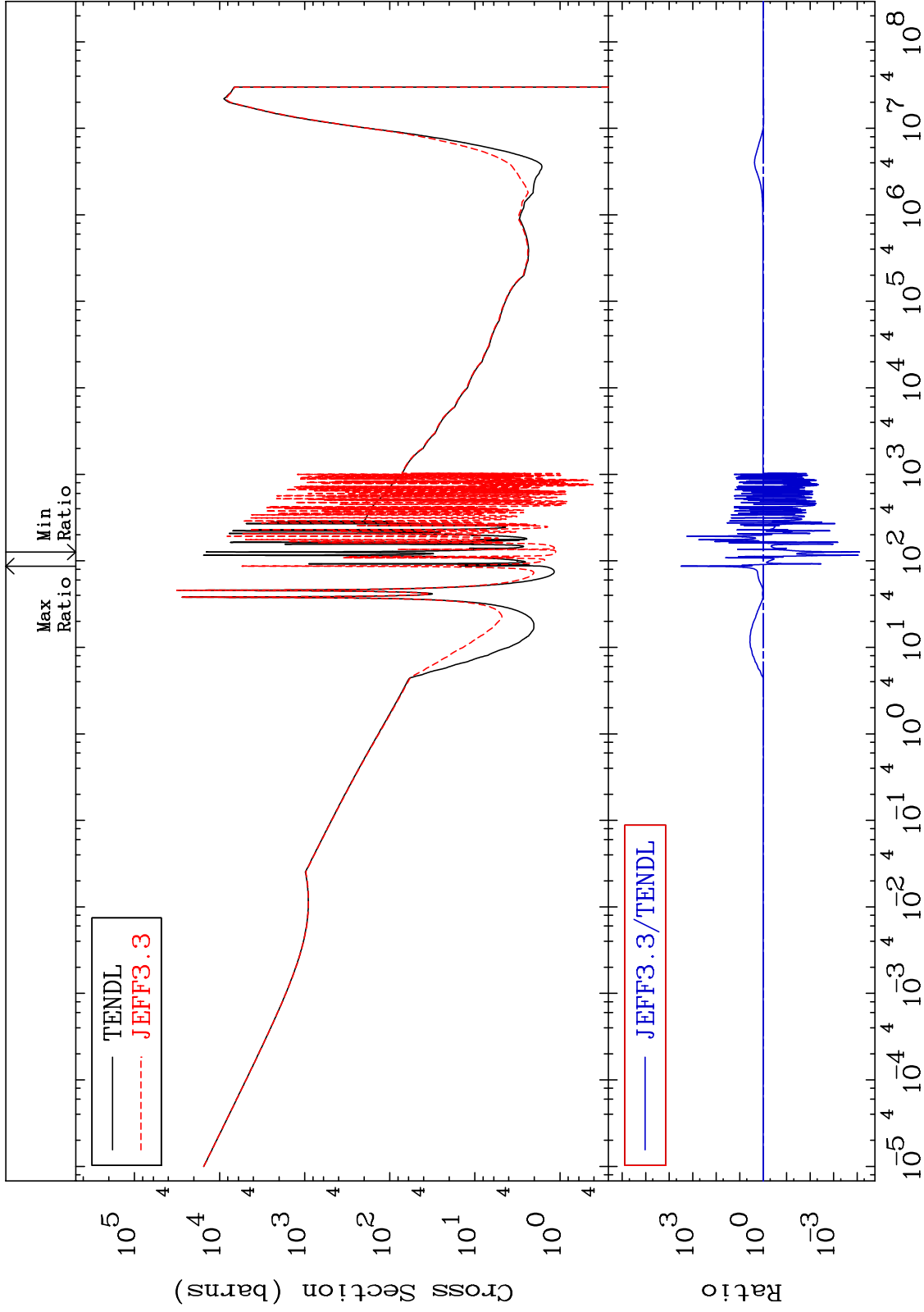
Incident Energy (eV)

66-Dy-158

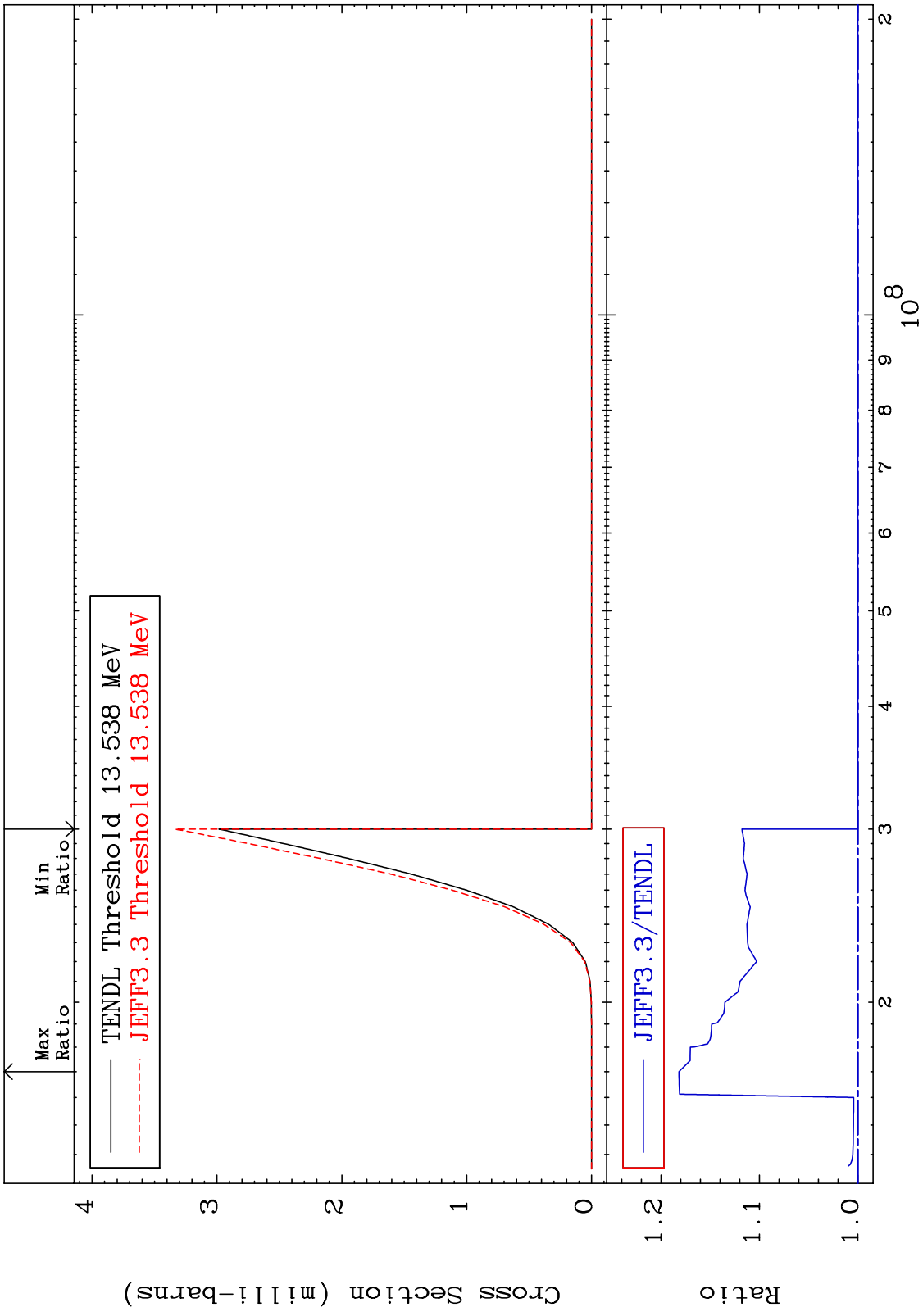
MAT 6631

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-158  
-99.99 To 9999. %



MAT 6631 (n, n') d:65-Tb-156g 66-Dy-158  
 Radionuclide Production Cross Section 0.000 To 18.18 %



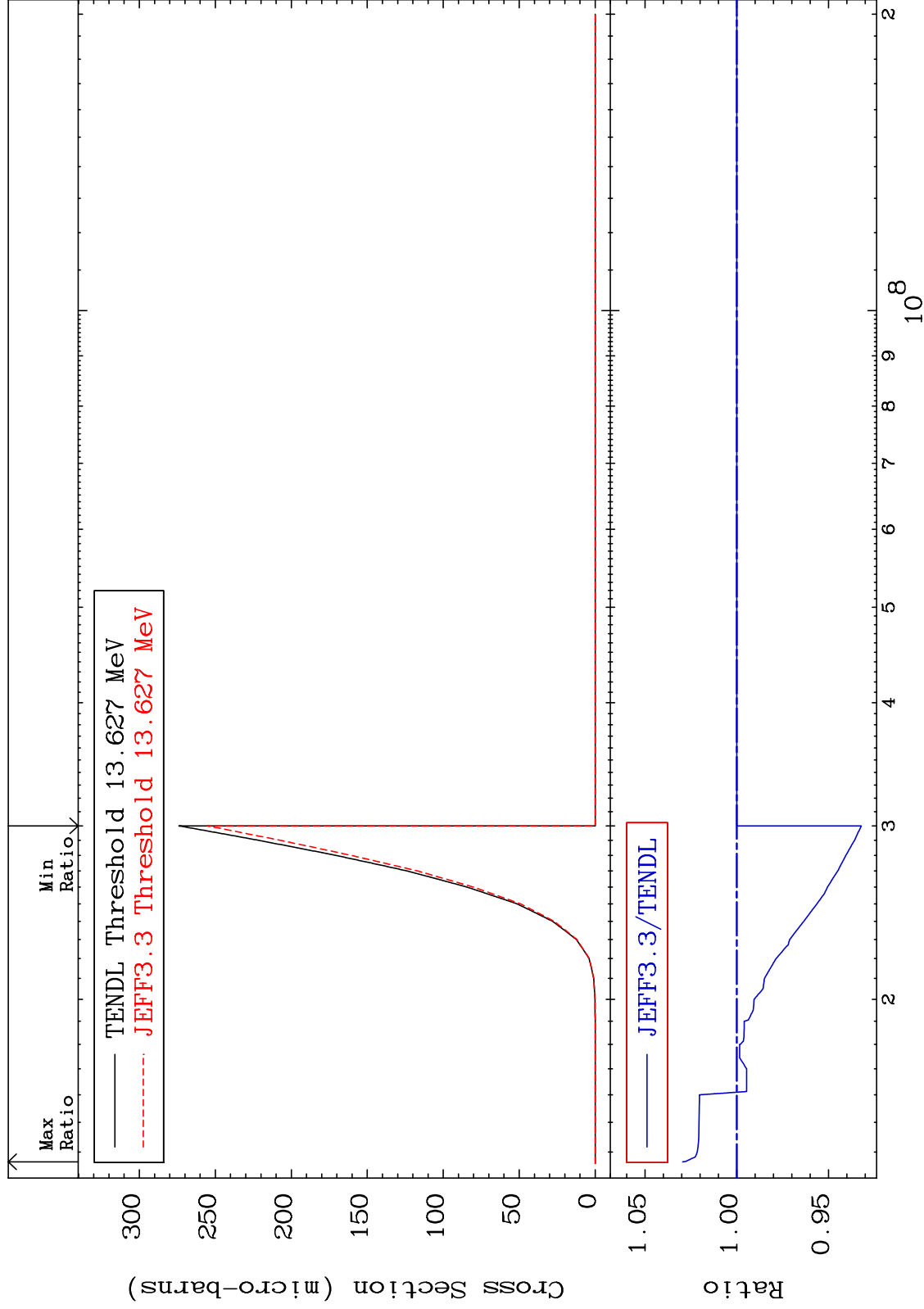


MAT 6631

(n, n') d: 65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section -6.792 To 2.950 %

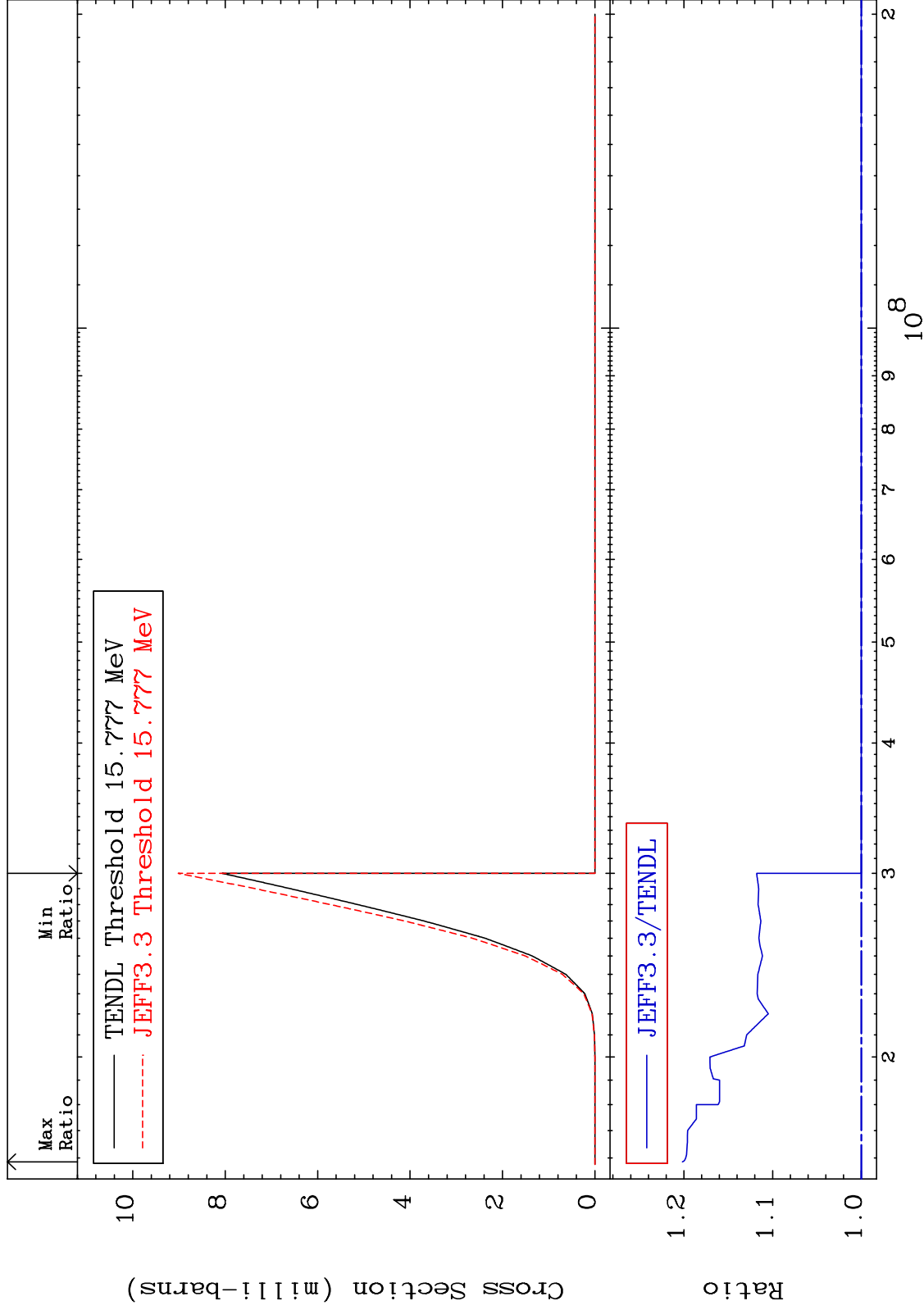


MAT 6631

(n,2n) p:65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section 0.000 To 20.16 %

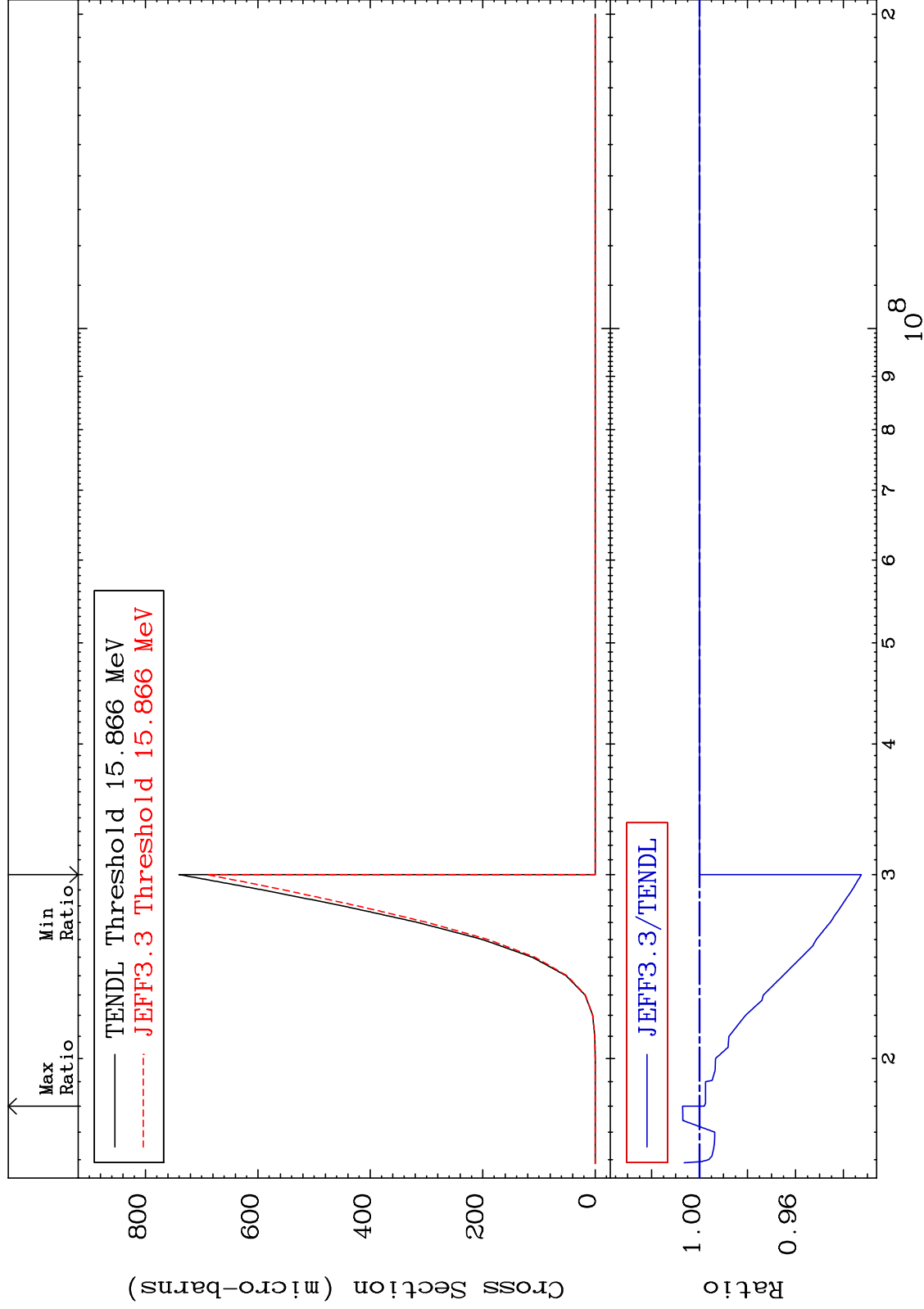


MAT 6631

(n,2n) p:65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section -6.744 To 0.702 %

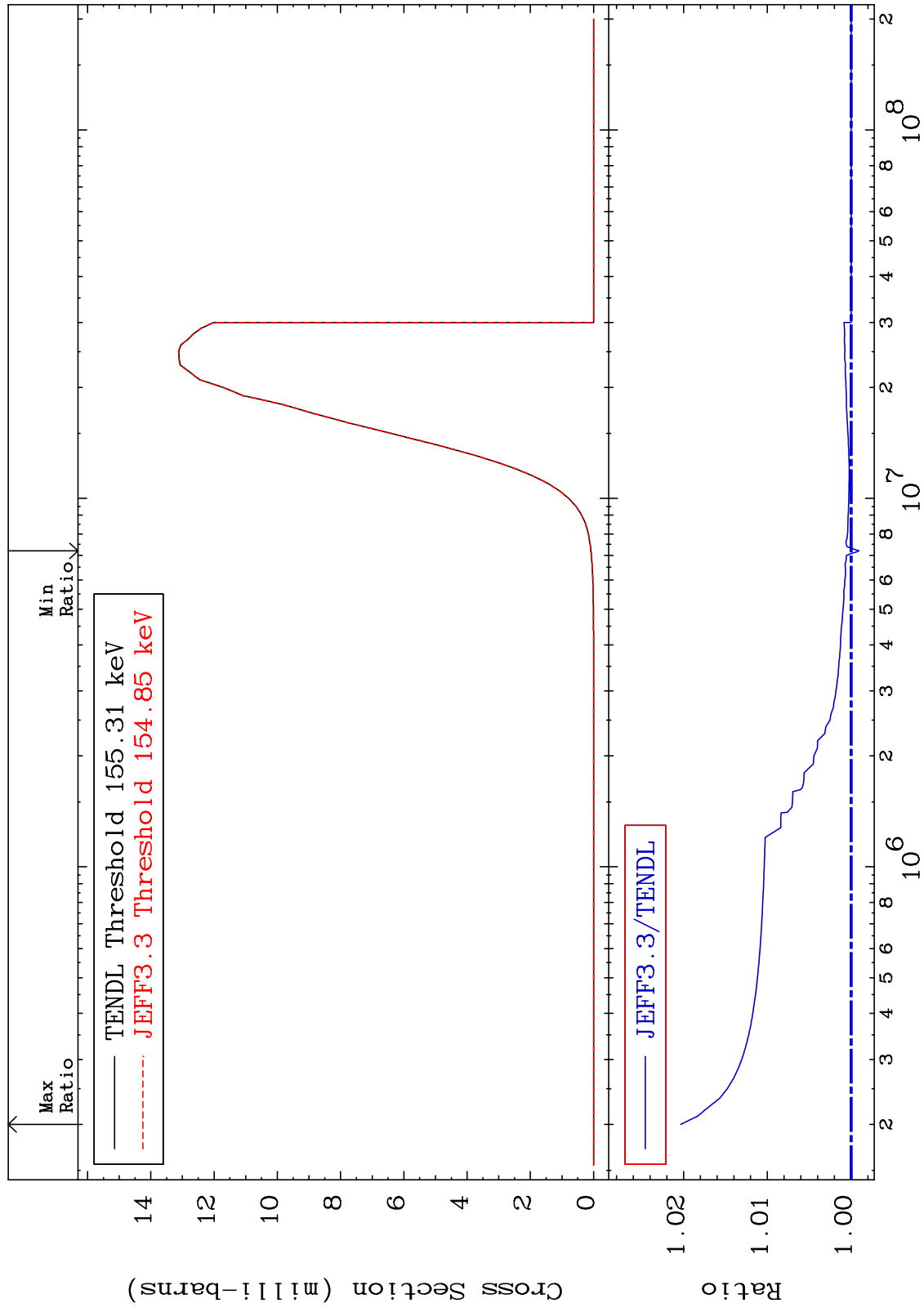


82

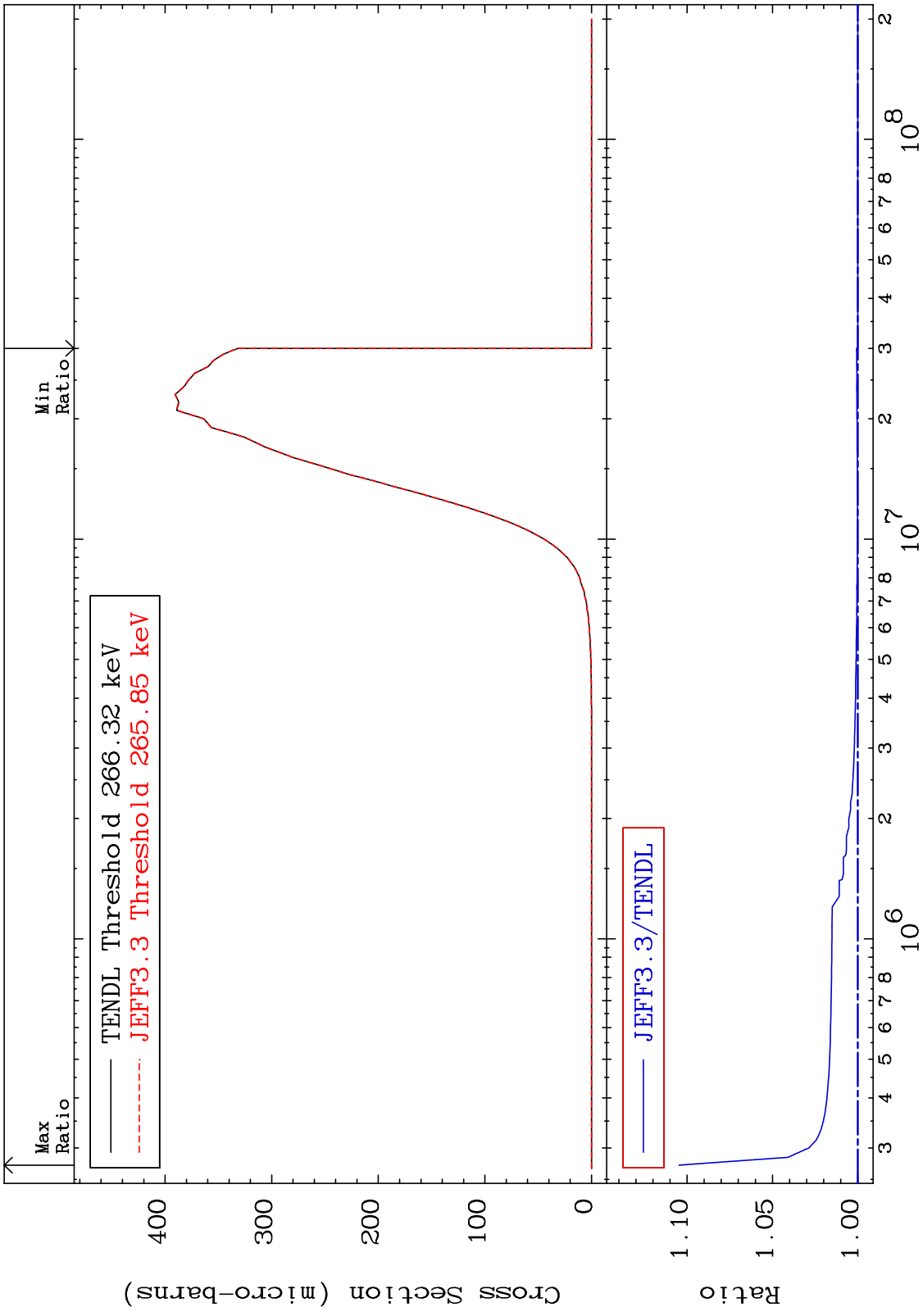
Incident Energy (eV)

66-Dy-158

MAT 6631 (n,p): 65-Tb-158g 66-Dy-158  
Radionuclide Production Cross Section -0.095 To 2.032 %



MAT 6631 (n,p):65-Tb-158m3 66-Dy-158  
 Radionuclide Production Cross Section 0.000 To 10.47 %

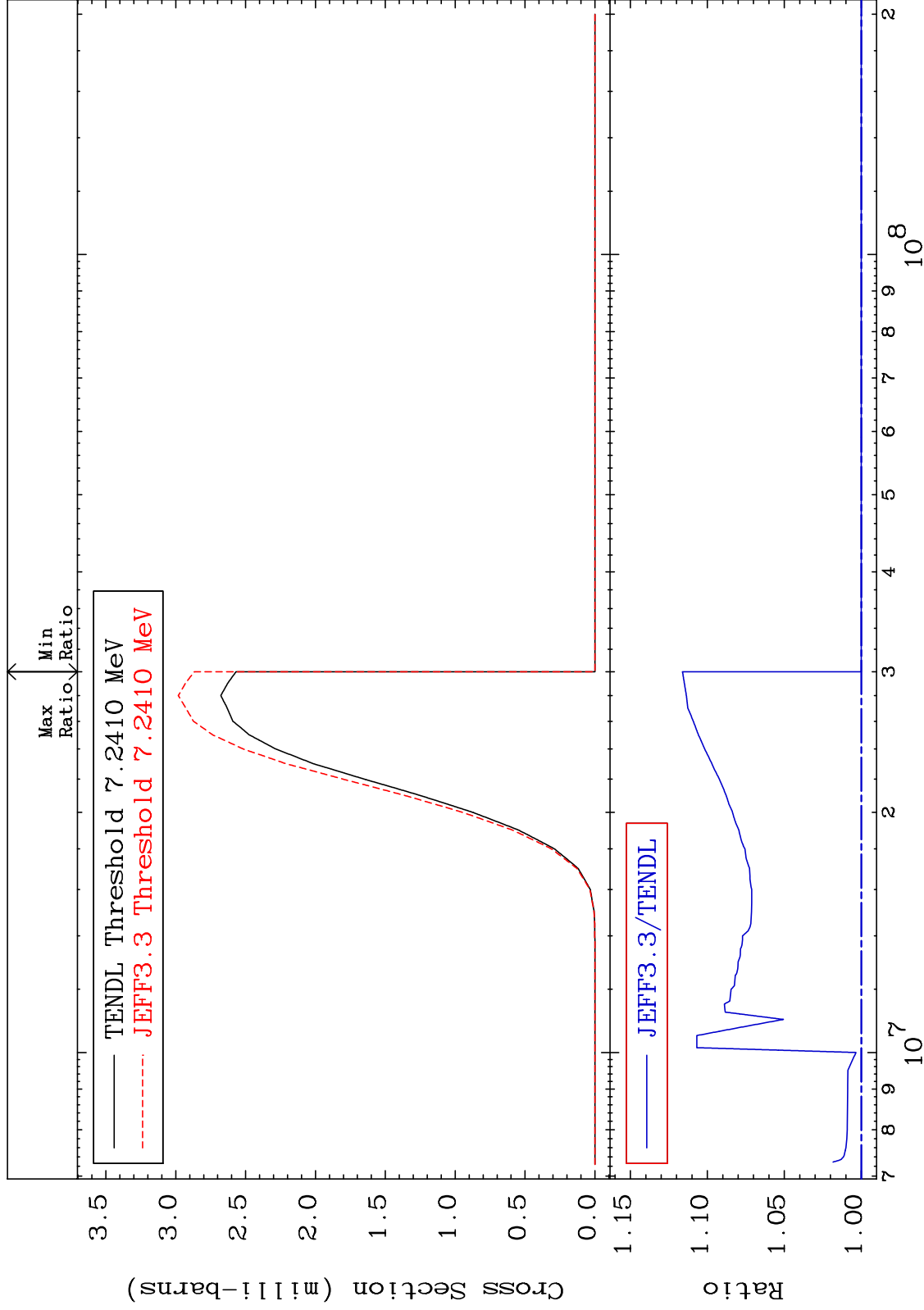


MAT 6631

(n, t) : 65-Tb-156g

66-Dy-158

Radionuclide Production Cross Section 0.000 To 11.62 %



85

Incident Energy (eV)

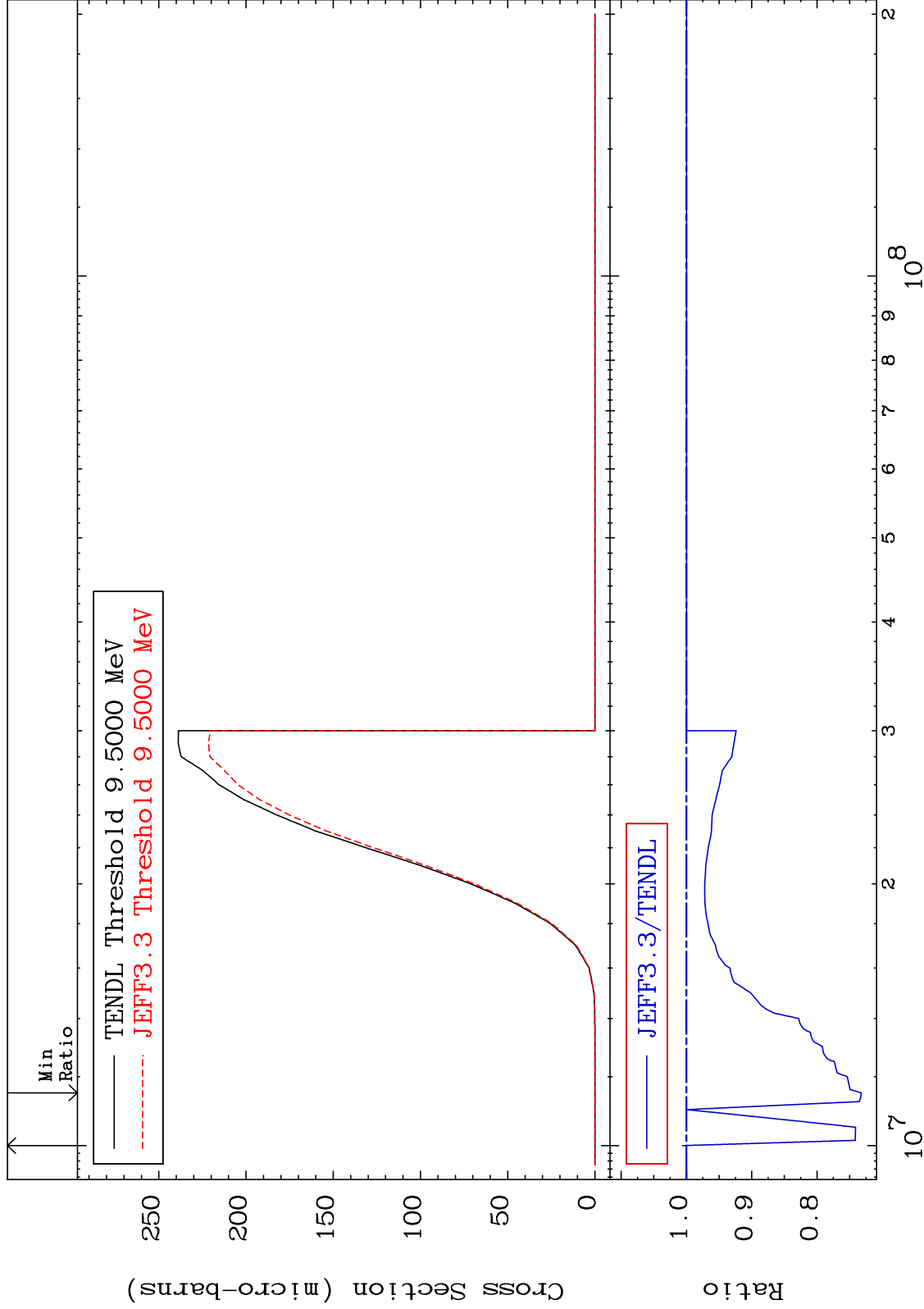
66-Dy-158

MAT 6631

(n, t) : 65-Tb-156m3

66-Dy-158

Radionuclide Production Cross Section -26.78 To 0.616 %



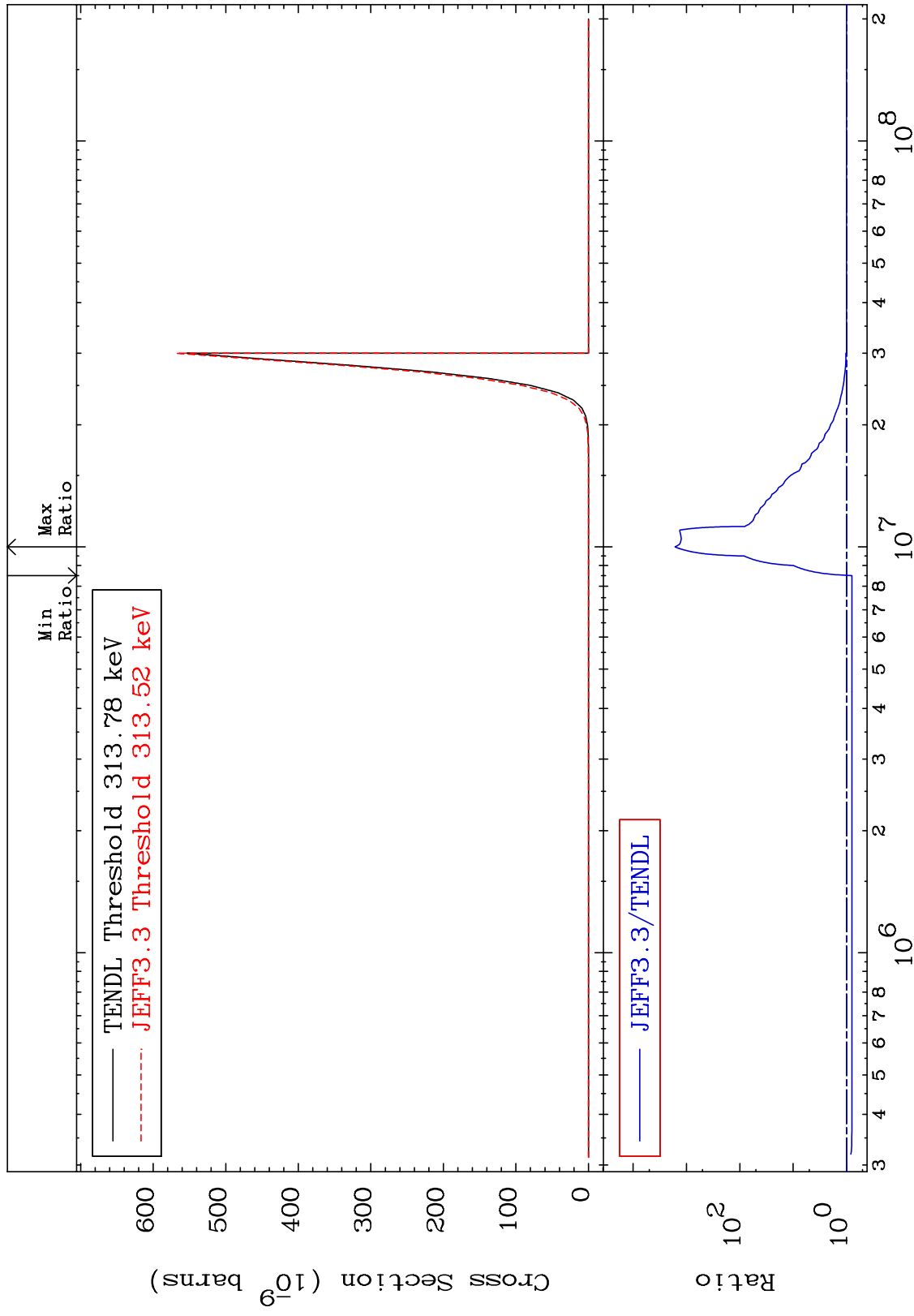
86

Incident Energy (eV)

66-Dy-158

MAT 6631

(n,p)  $\alpha$ : 63-Eu-154g 66-Dy-158  
Radionuclide Production Cross Section -20.95 To 9999. %



87

Incident Energy (eV)

66-Dy-158