

Program Complot  
(Version 2018-1)

by

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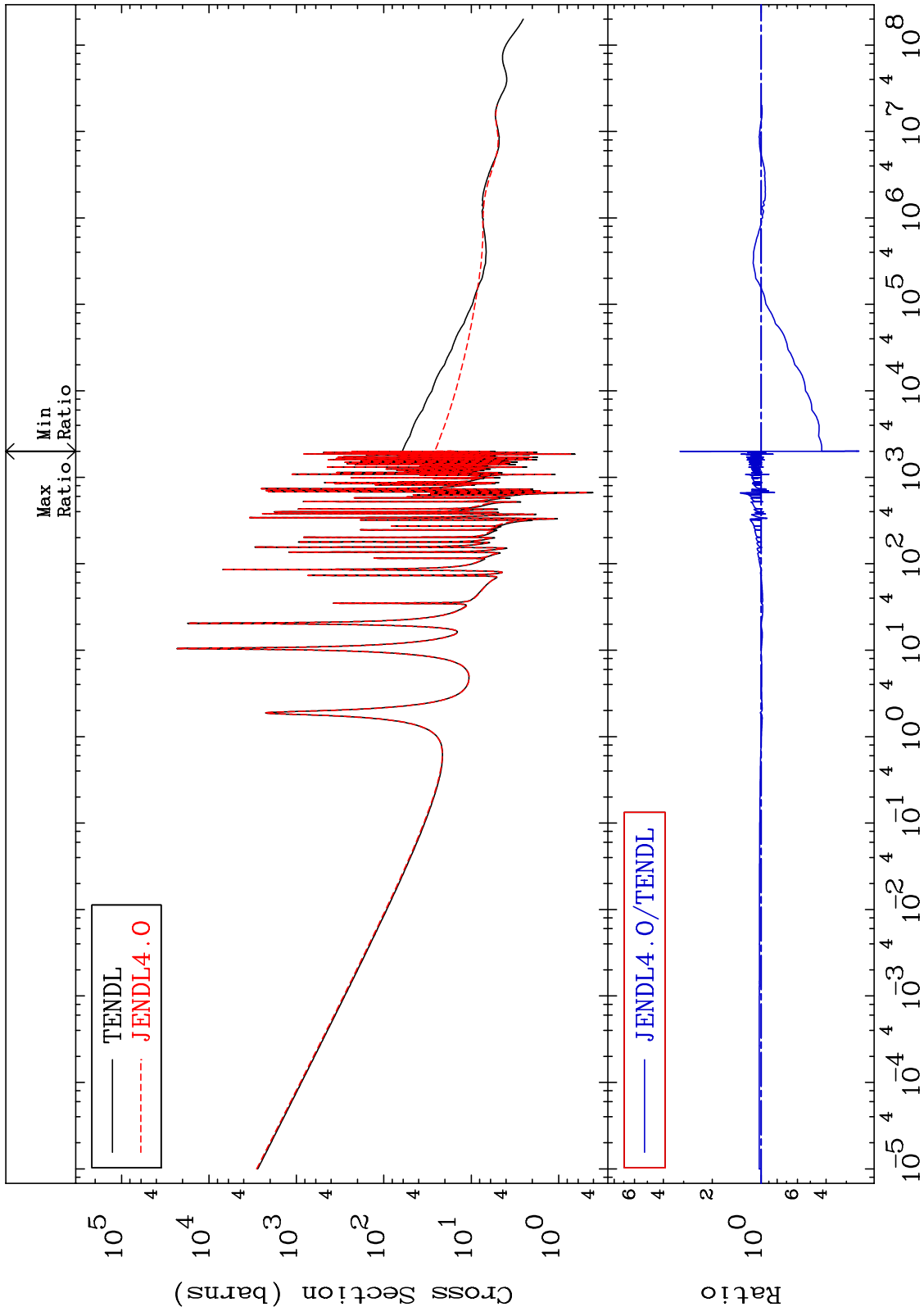
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6637

Total  
Cross Section

66-Dy-160  
-74.85 To 214.7 %



1

Incident Energy (eV)

66-Dy-160

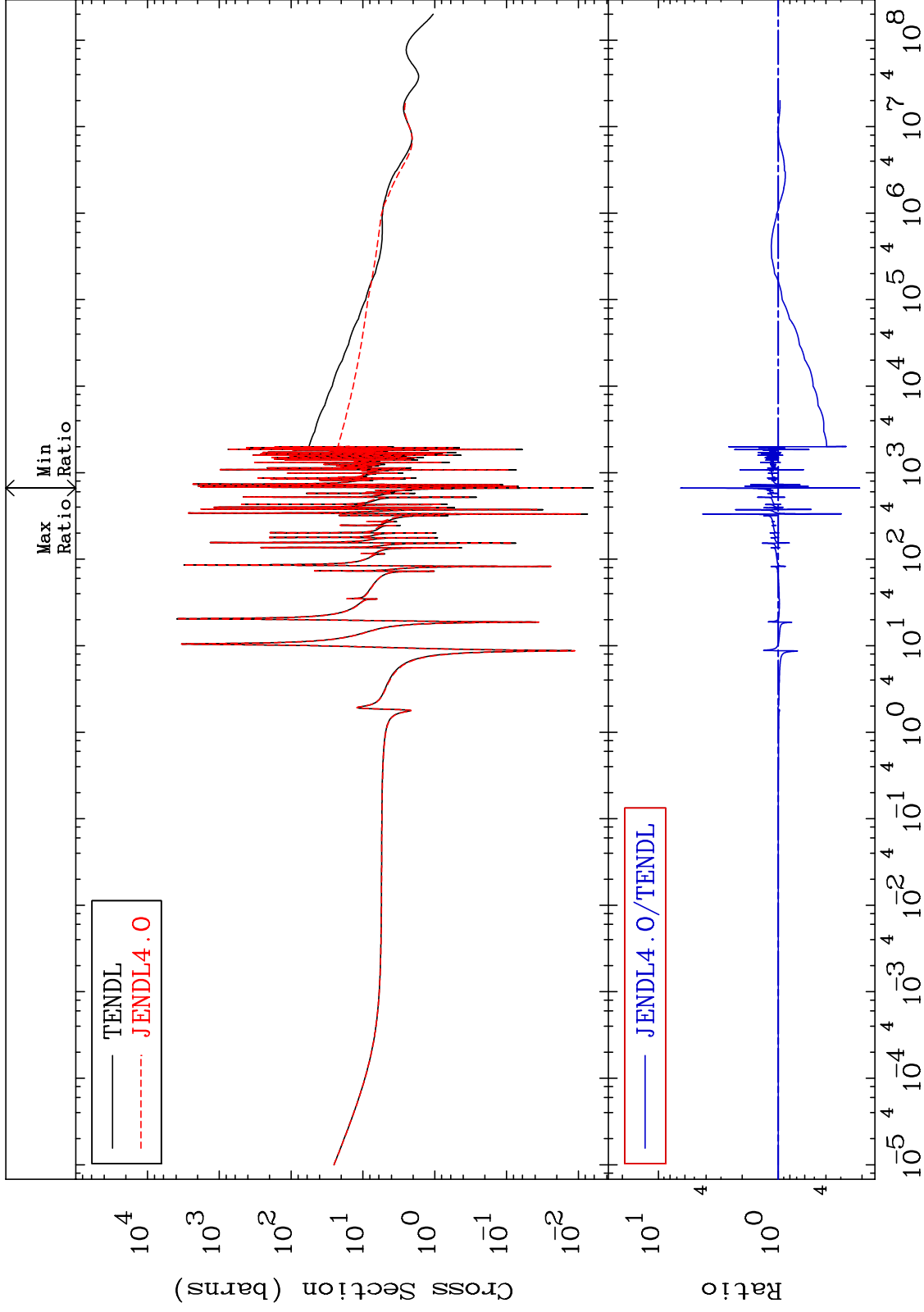
MAT 6637

Elastic

66-Dy-160

Cross Section

-79.10 To 549.3 %

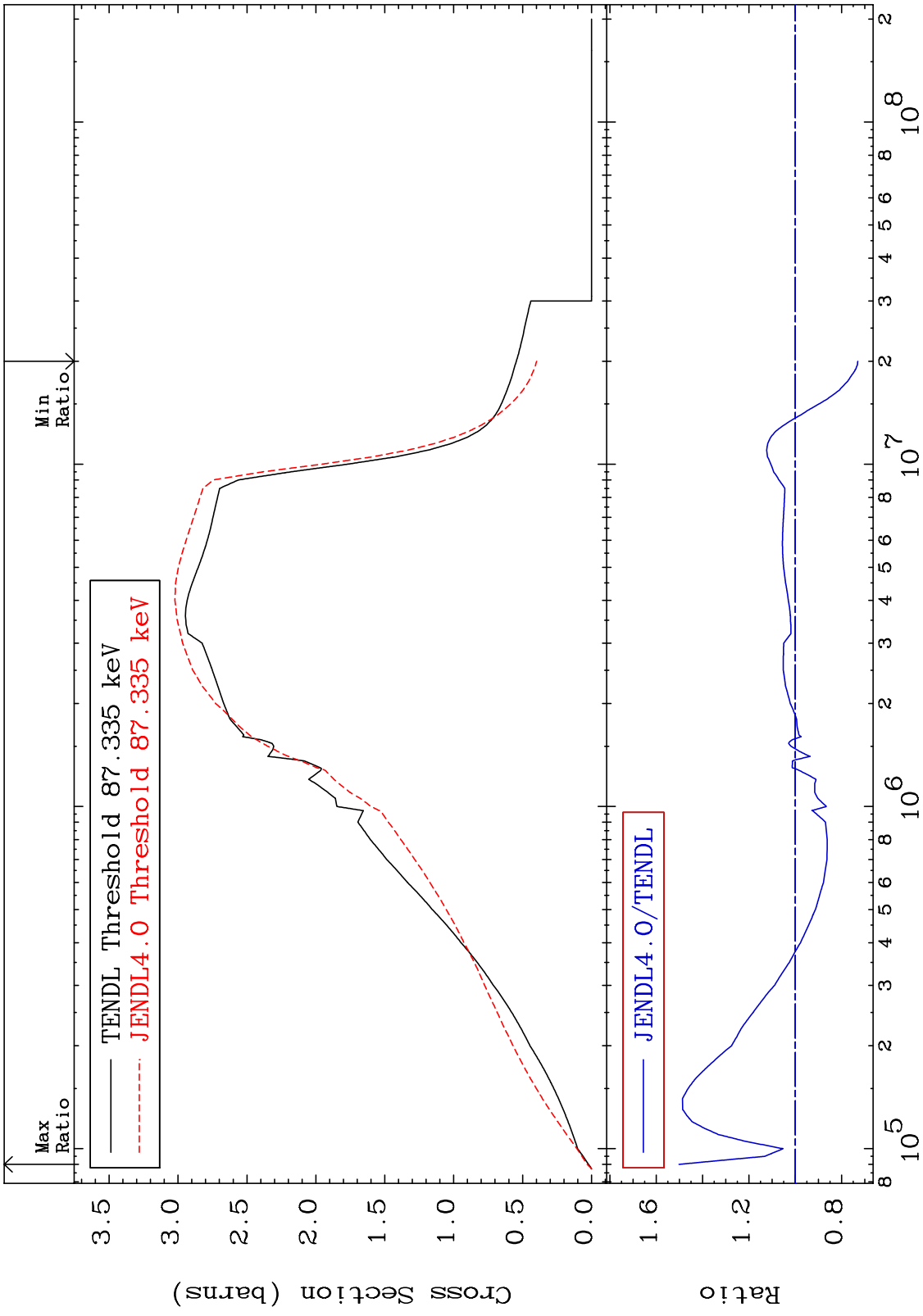


2

Incident Energy (eV)

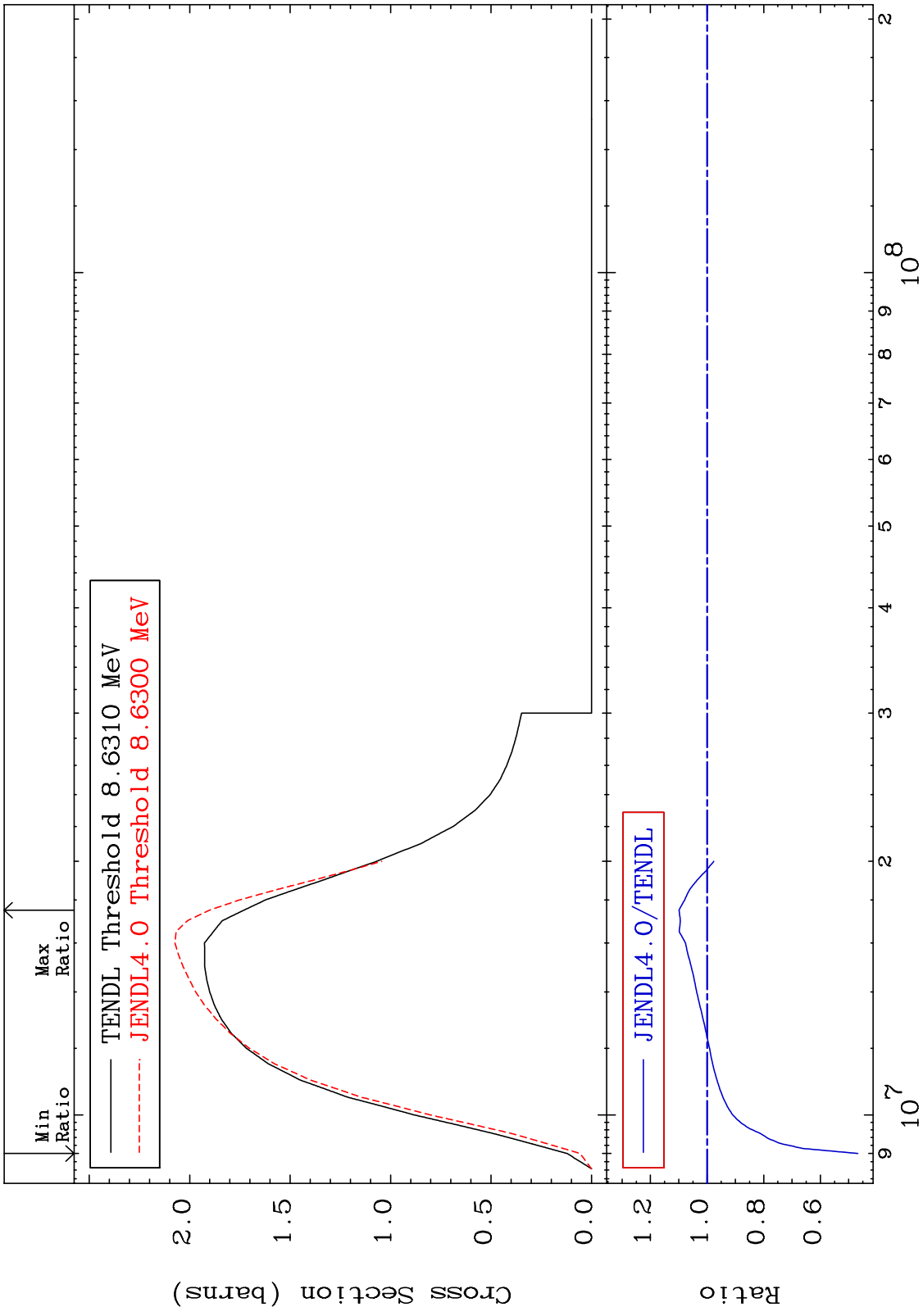
66-Dy-160

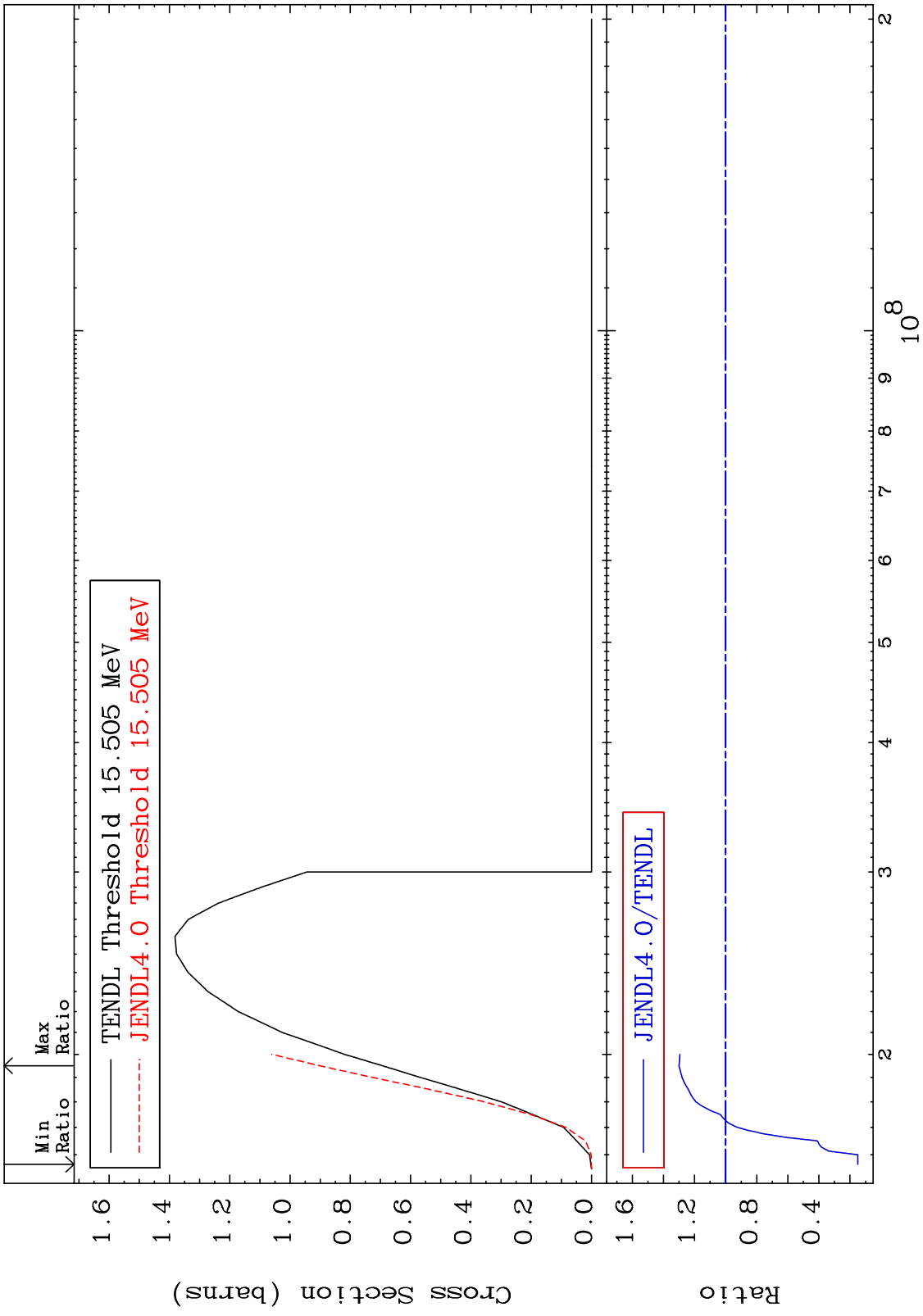
MAT 6637 Inelastic Cross Section 66-Dy-160 -27.01 To 50.17 %



3 Incident Energy (eV) 66-Dy-160

MAT 6637  $(n,2n)$  Cross Section  $^{66}\text{Dy-160}$  -53.23 To 9.899 %





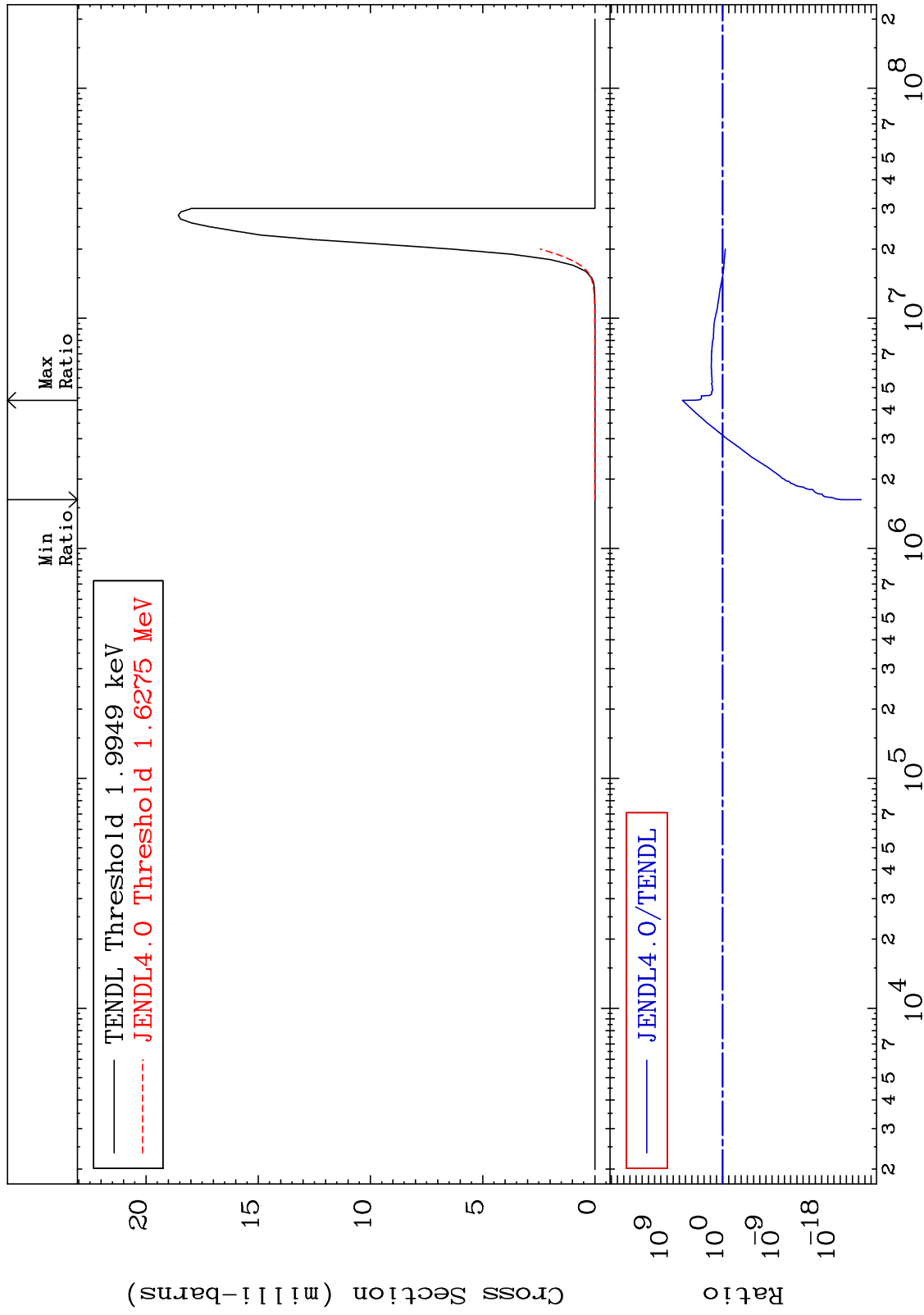
MAT 6637

$(n, n') \alpha$

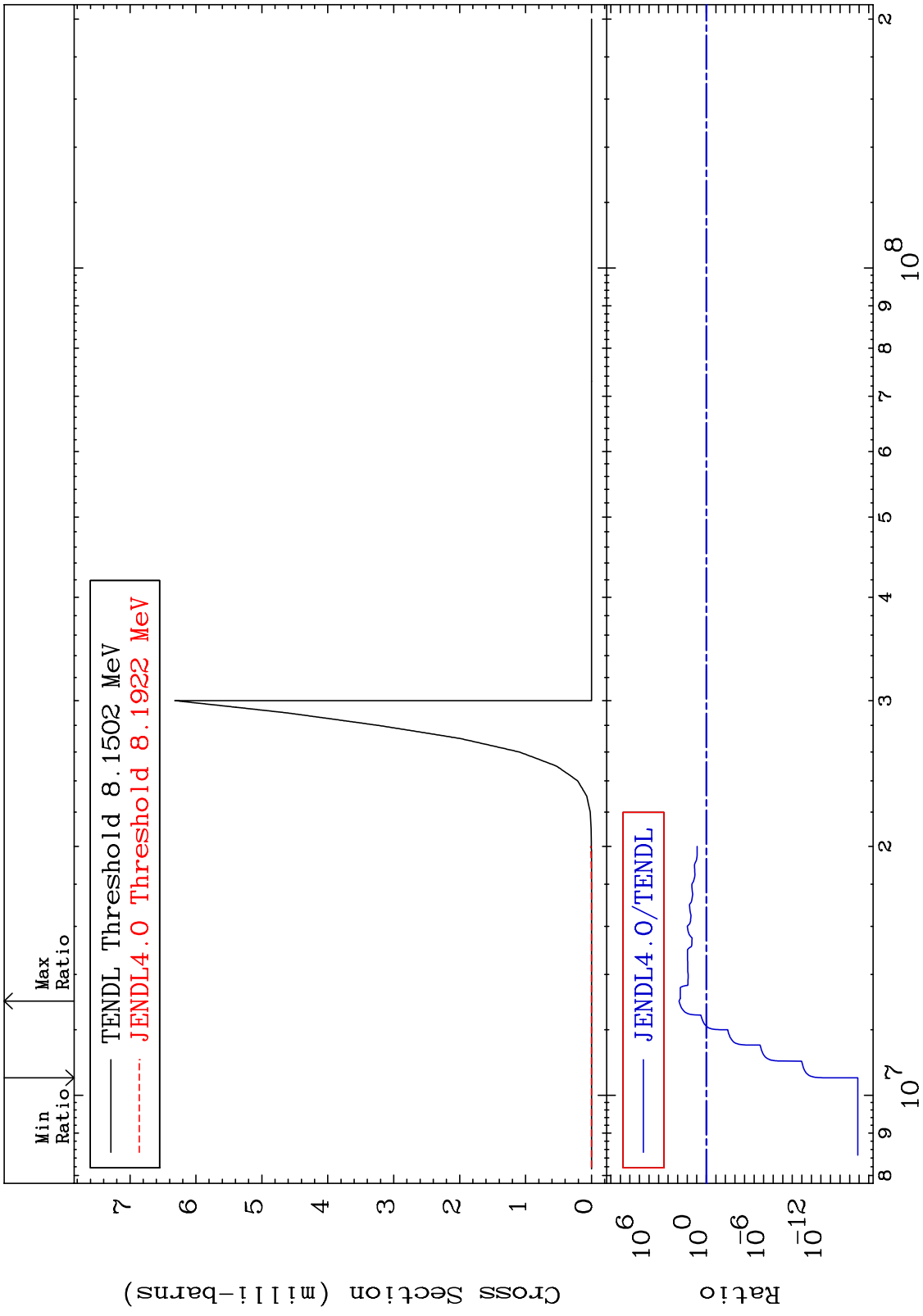
66-Dy-160

-100.0 To 9999. %

Cross Section



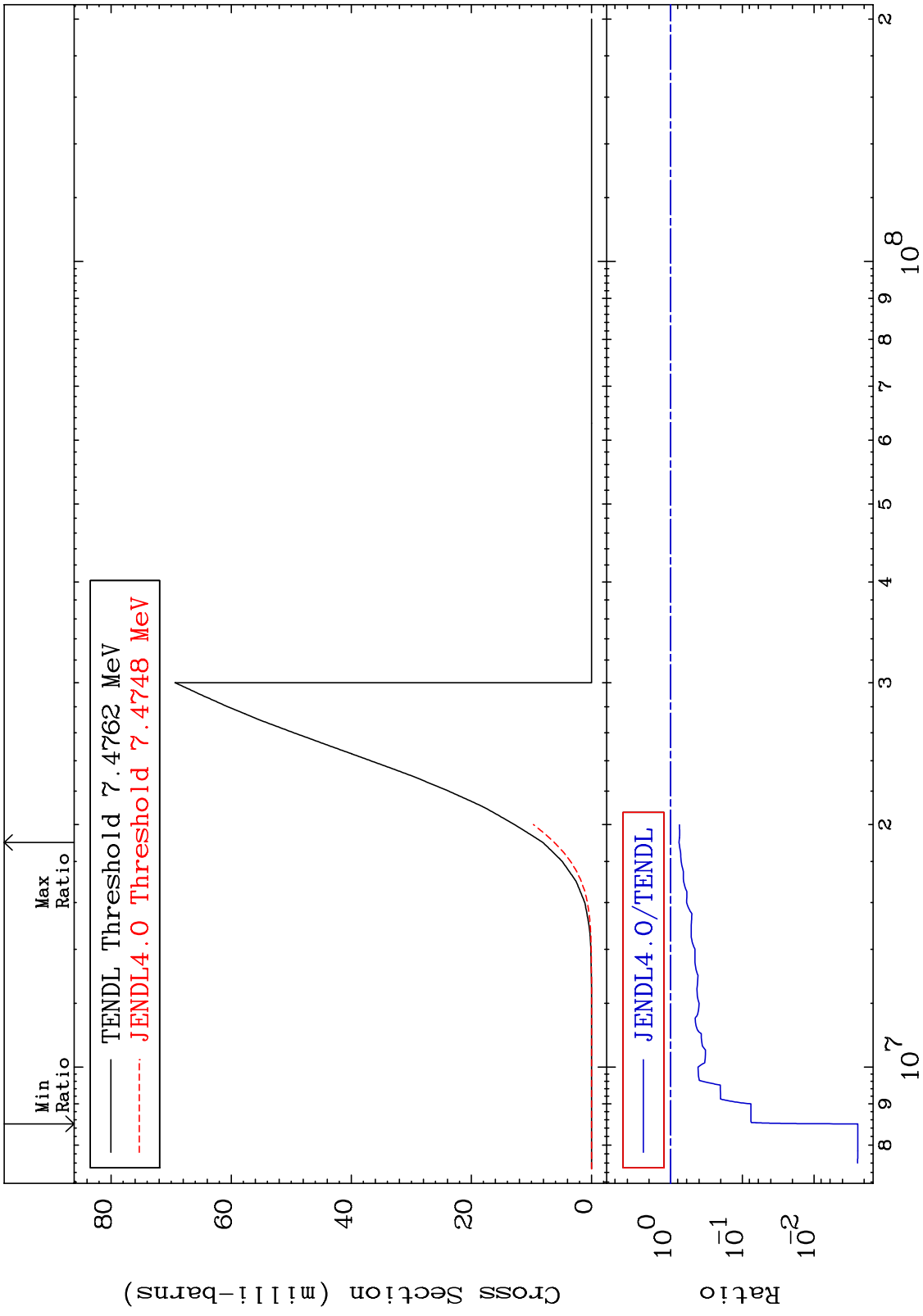
MAT 6637  $(n, 2n) \alpha$  66-Dy-160  
 Cross Section -100.0 To 9999. %



66-Dy-160

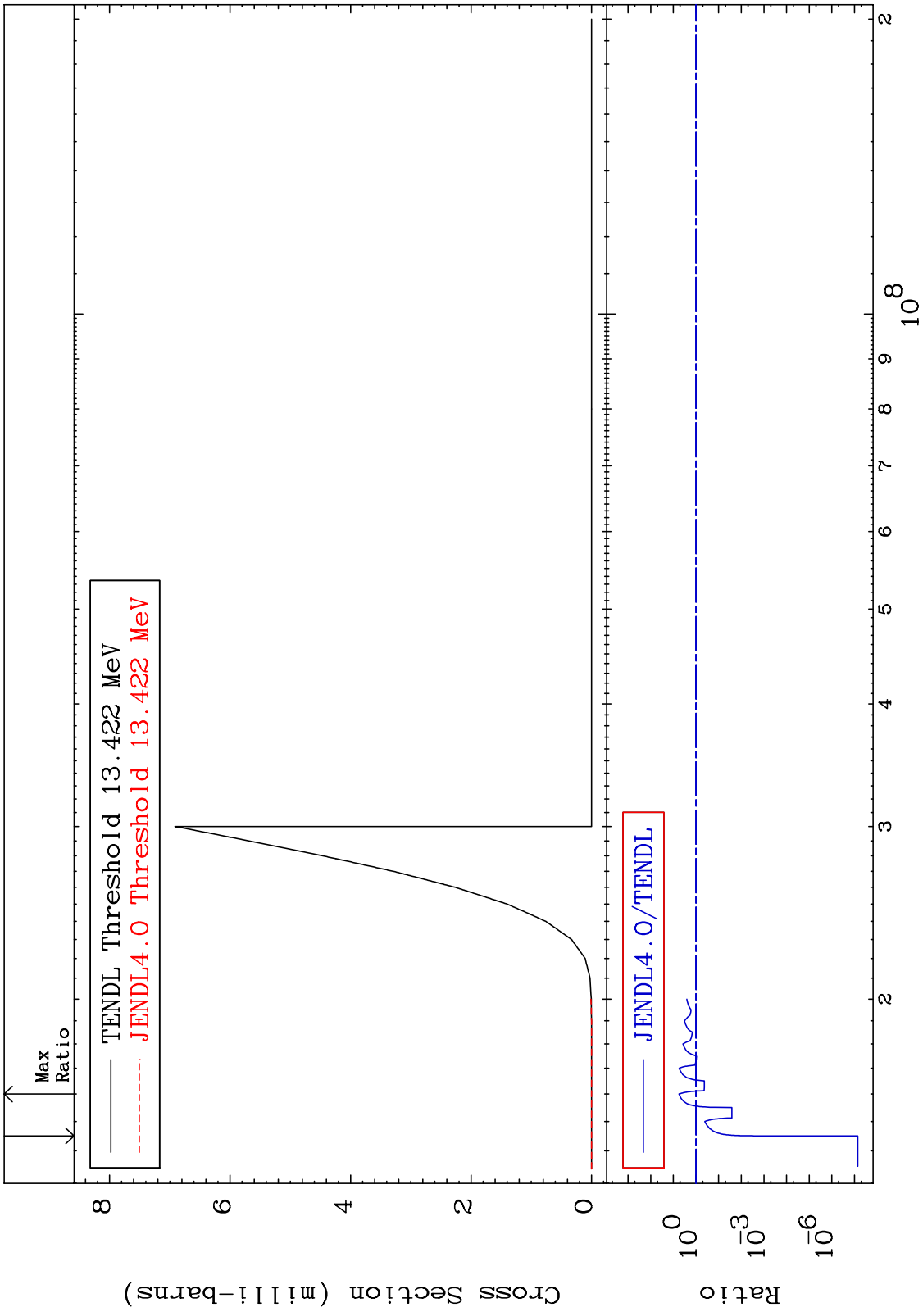


MAT 6637 66-Dy-160  
-99.75 To -23.66%  
 (n,n') p  
 Cross Section



8 66-Dy-160

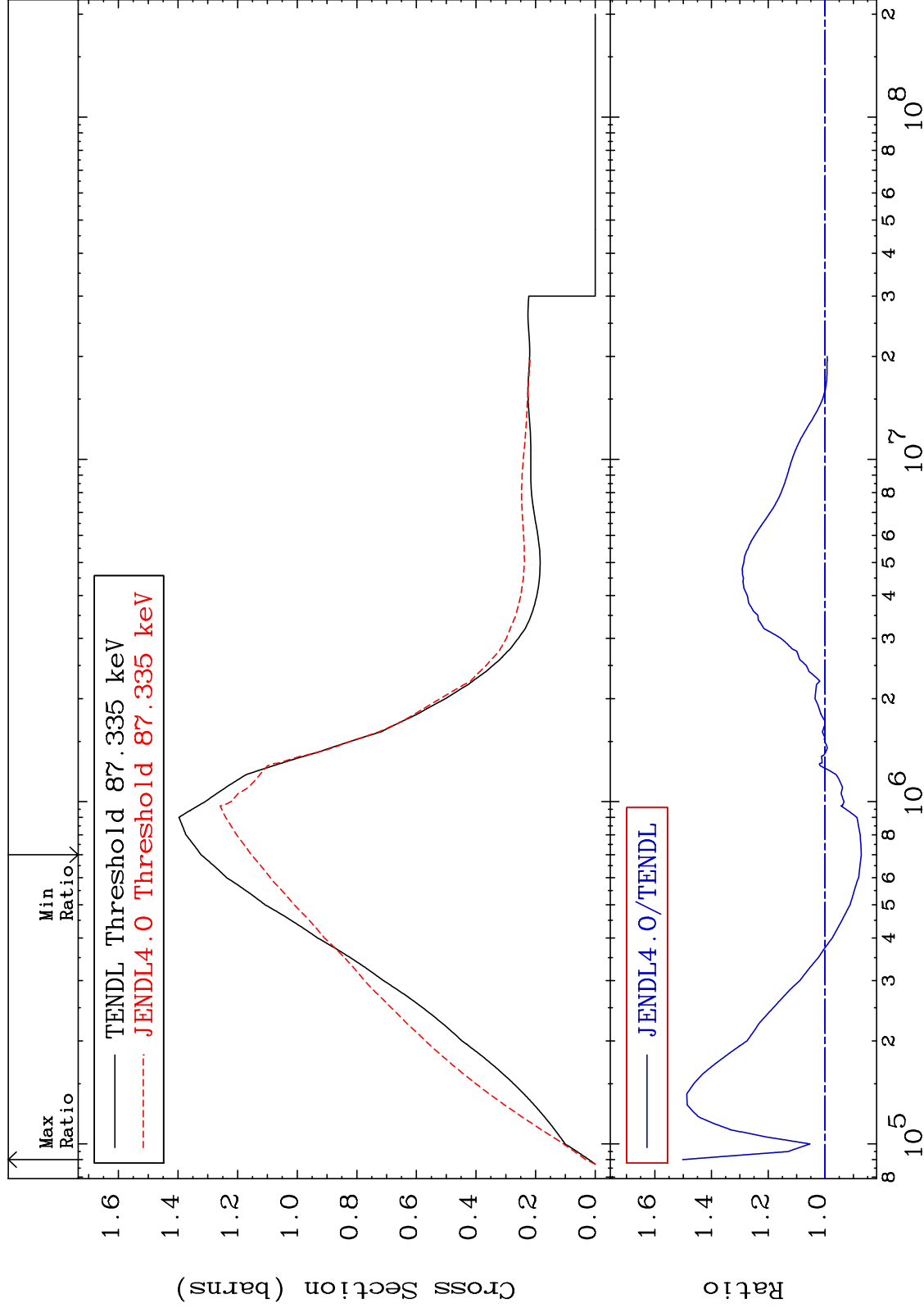
MAT 6637 (n,n') d 66-Dy-160  
 Cross Section -100.0 To 459.3 %



MAT 6637

MT= 51 (n,n') Level  
Cross Section

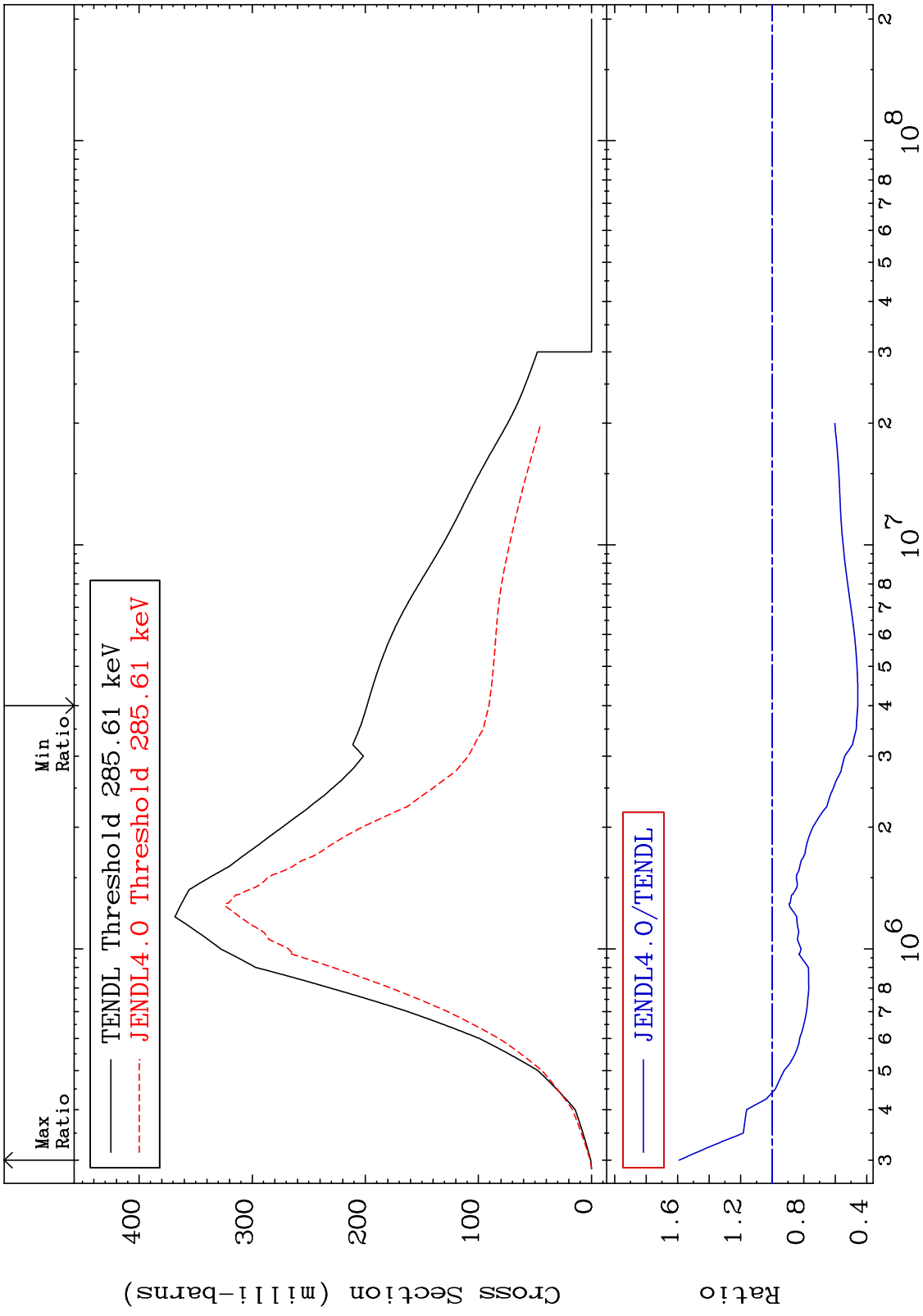
66-Dy-160  
-12.77 To 50.17 %



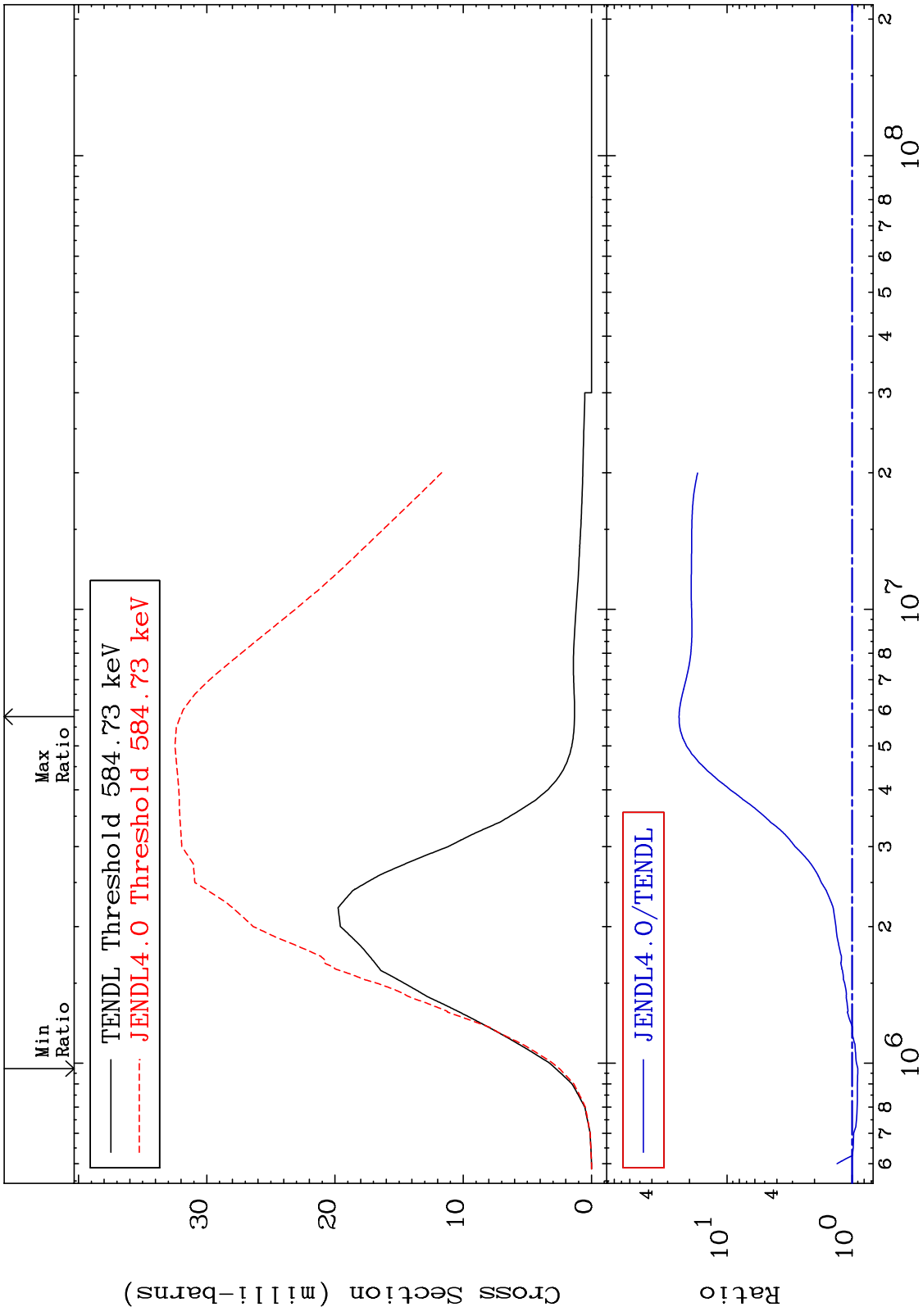
66-Dy-160

Incident Energy (eV)

MAT 6637 MT= 52 (n,n') Level Cross Section 66-Dy-160  
 -54.34 To 59.15 %



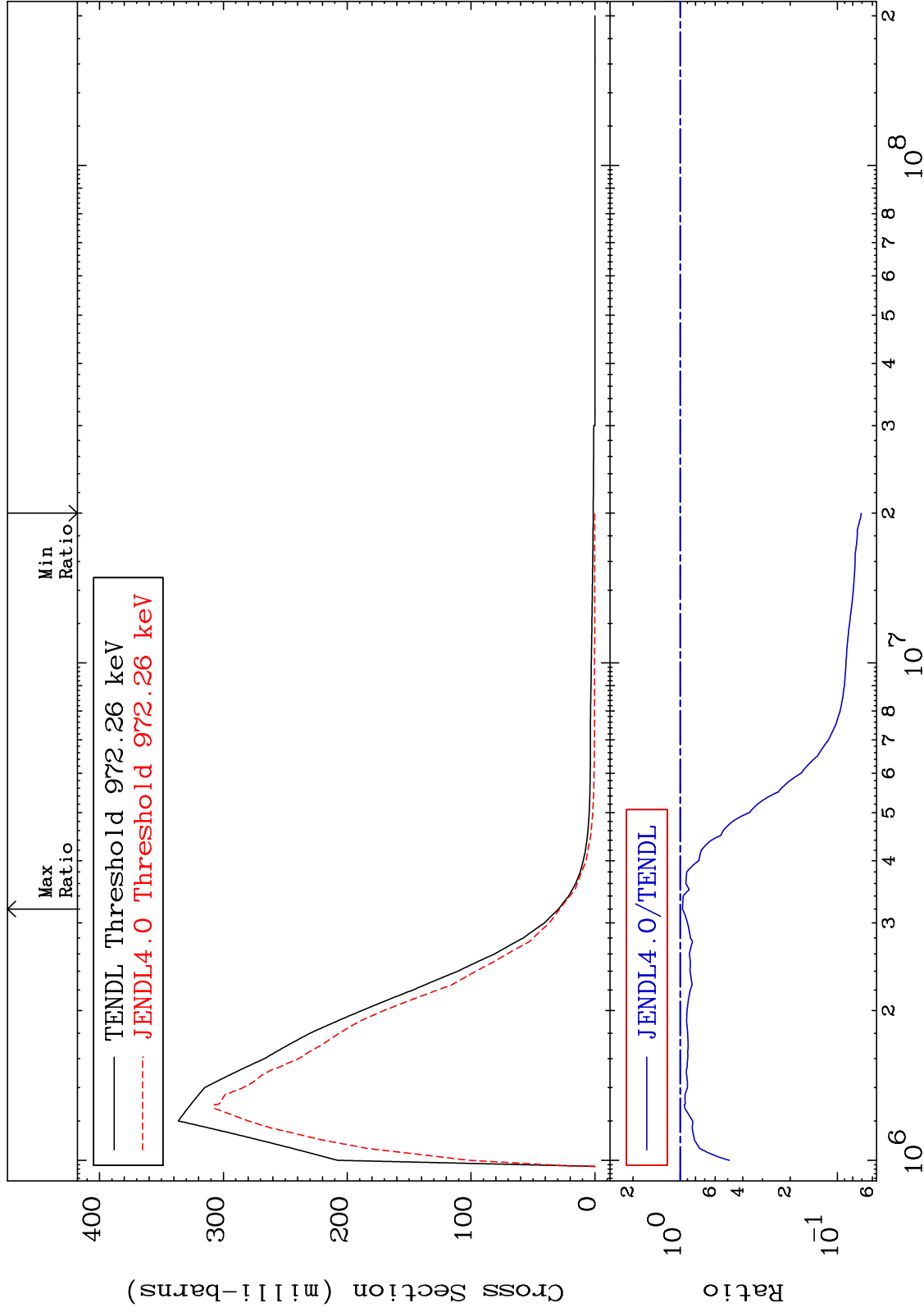
MAT 6637 MT= 53 (n,n') Level Cross Section 66-Dy-160  
 -10.08 To 2325. %



MAT 6637

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

66-Dy-160  
-92.94 To -3.192%

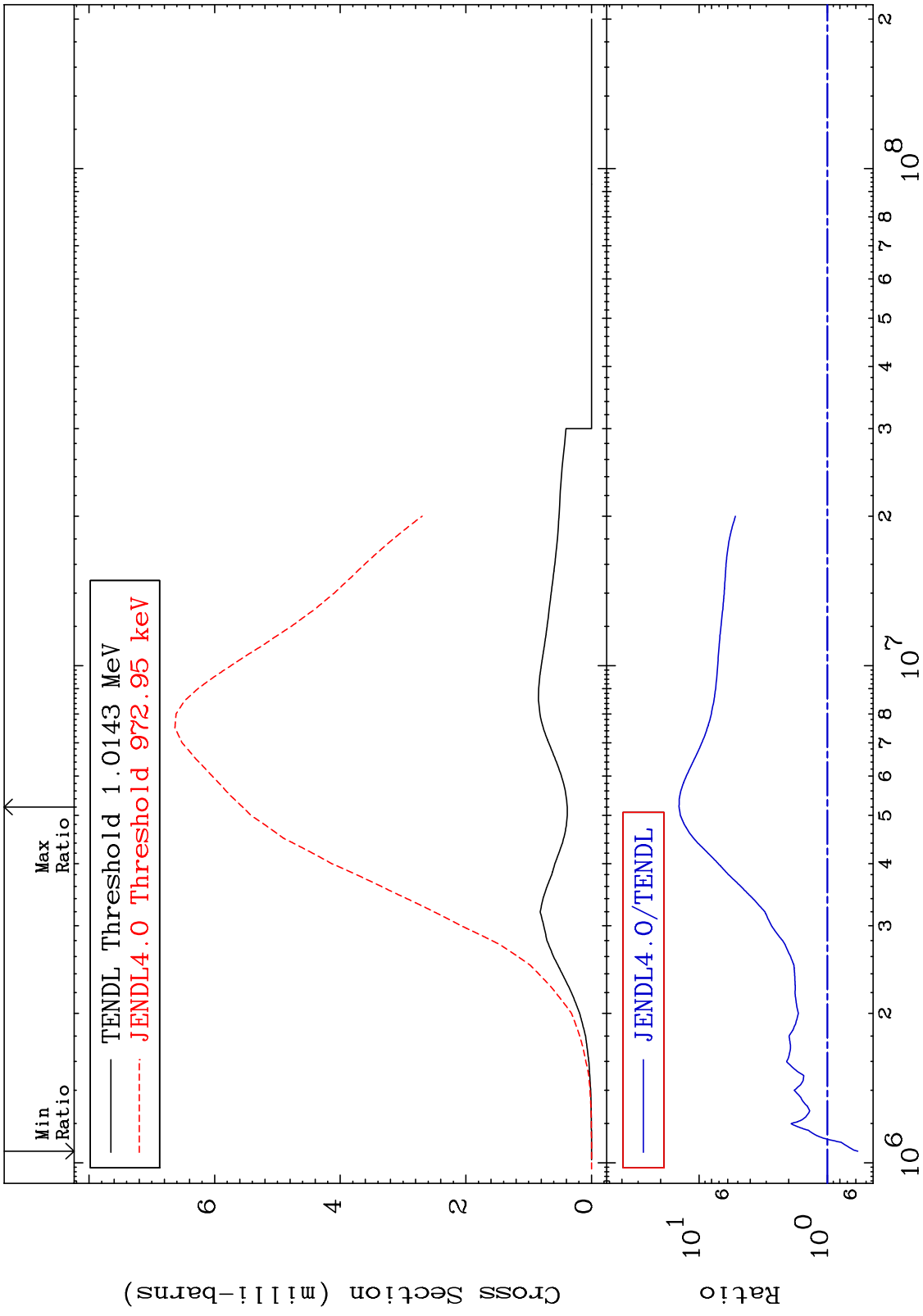


13

Incident Energy (eV)

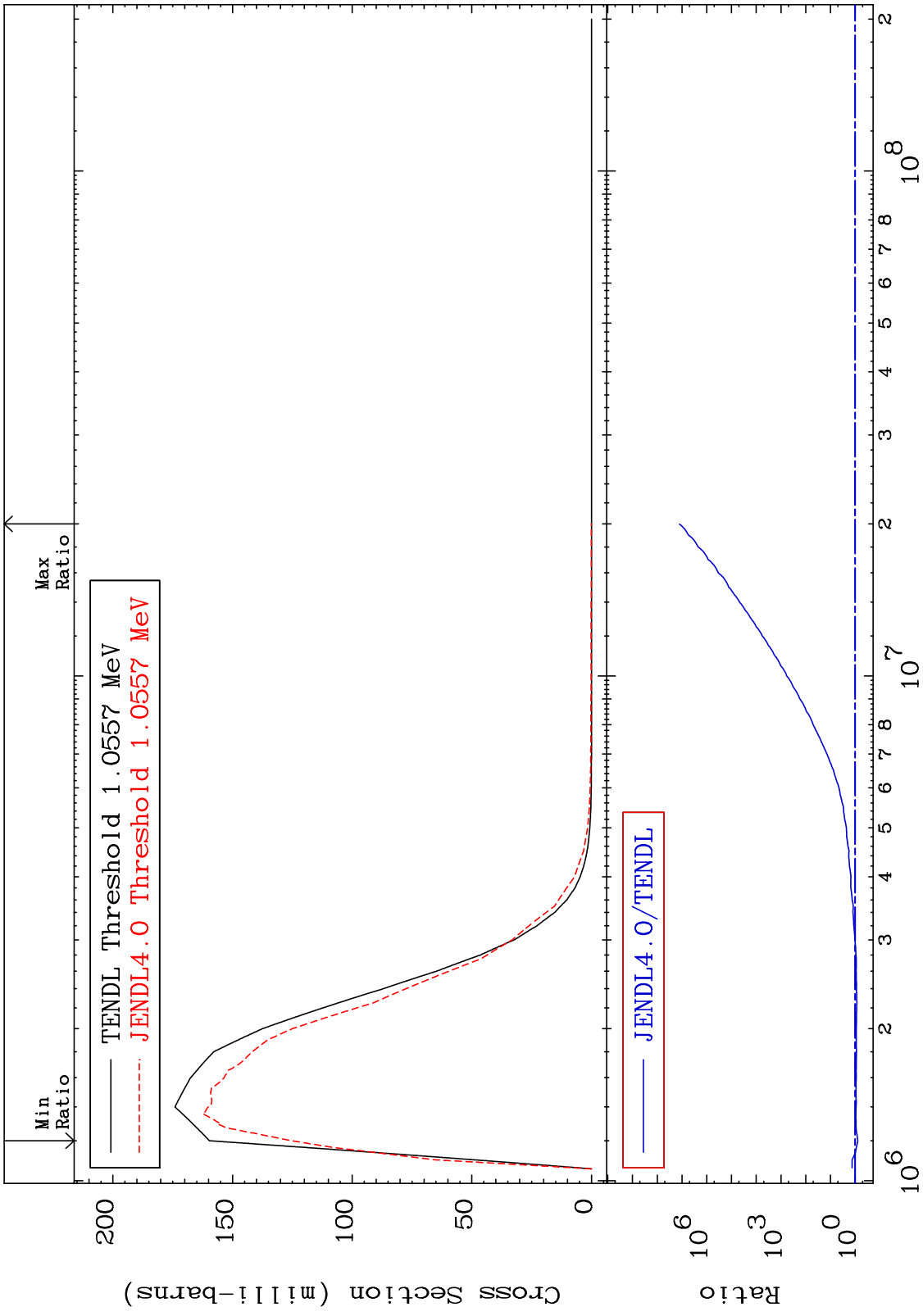
66-Dy-160

MAT 6637 MT= 55 (n,n') Level Cross Section 66-Dy-160  
 -42.11 To 1335. %



14 Incident Energy (eV) 66-Dy-160

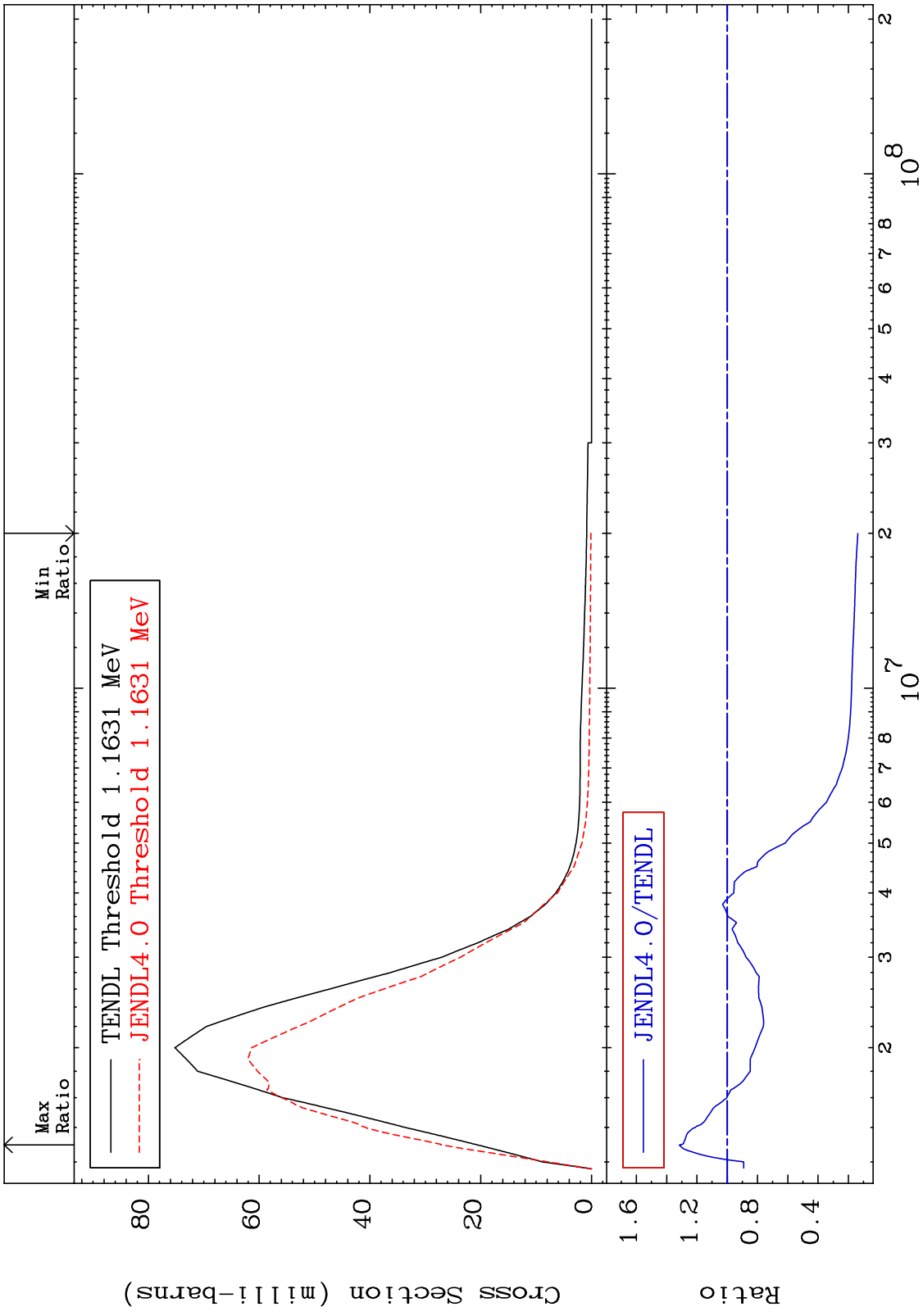
MAT 6637 MT= 56 (n,n') Level Cross Section 66-Dy-160  
 -21.48 To 9999. %



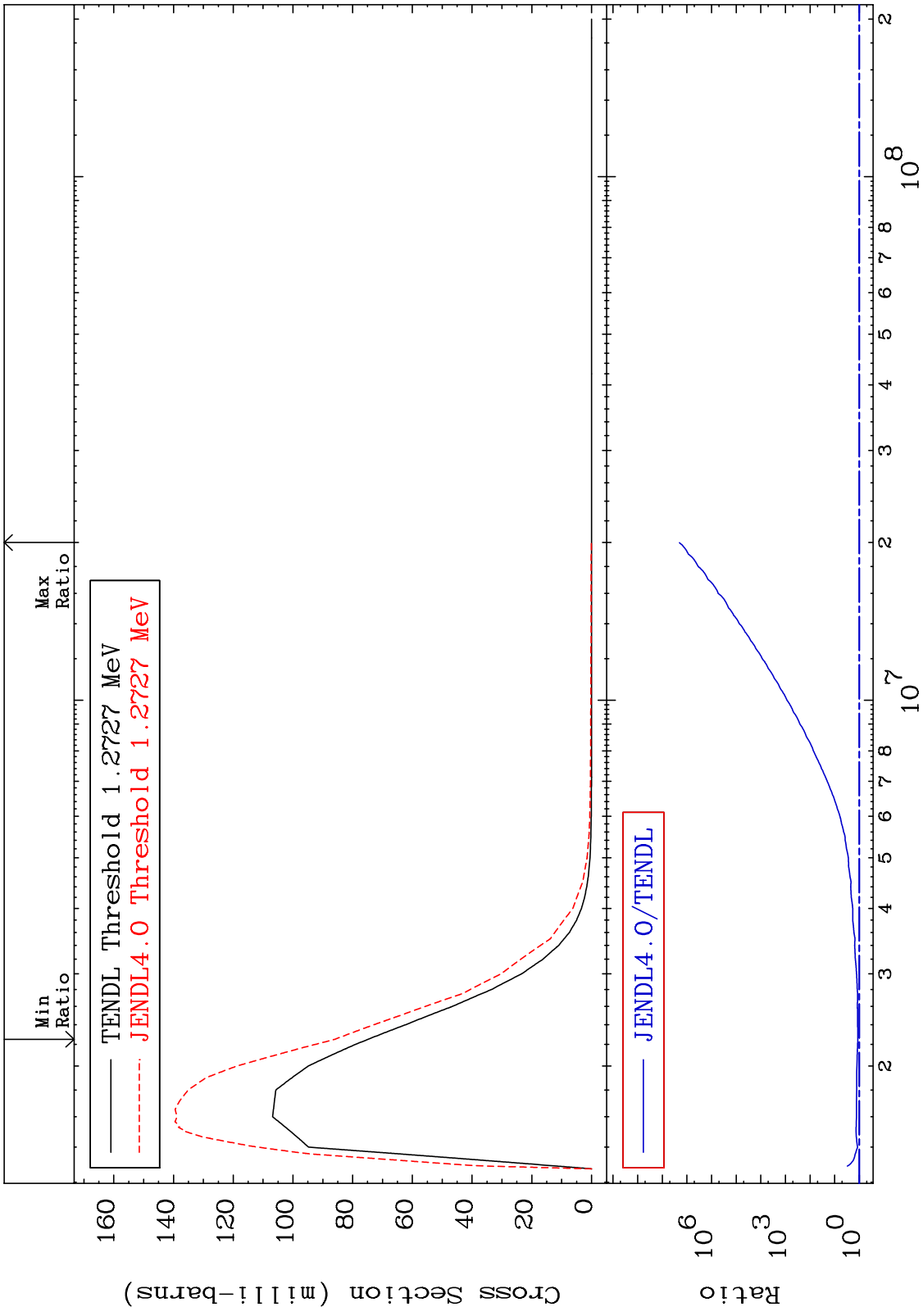
15 Incident Energy (eV) 66-Dy-160



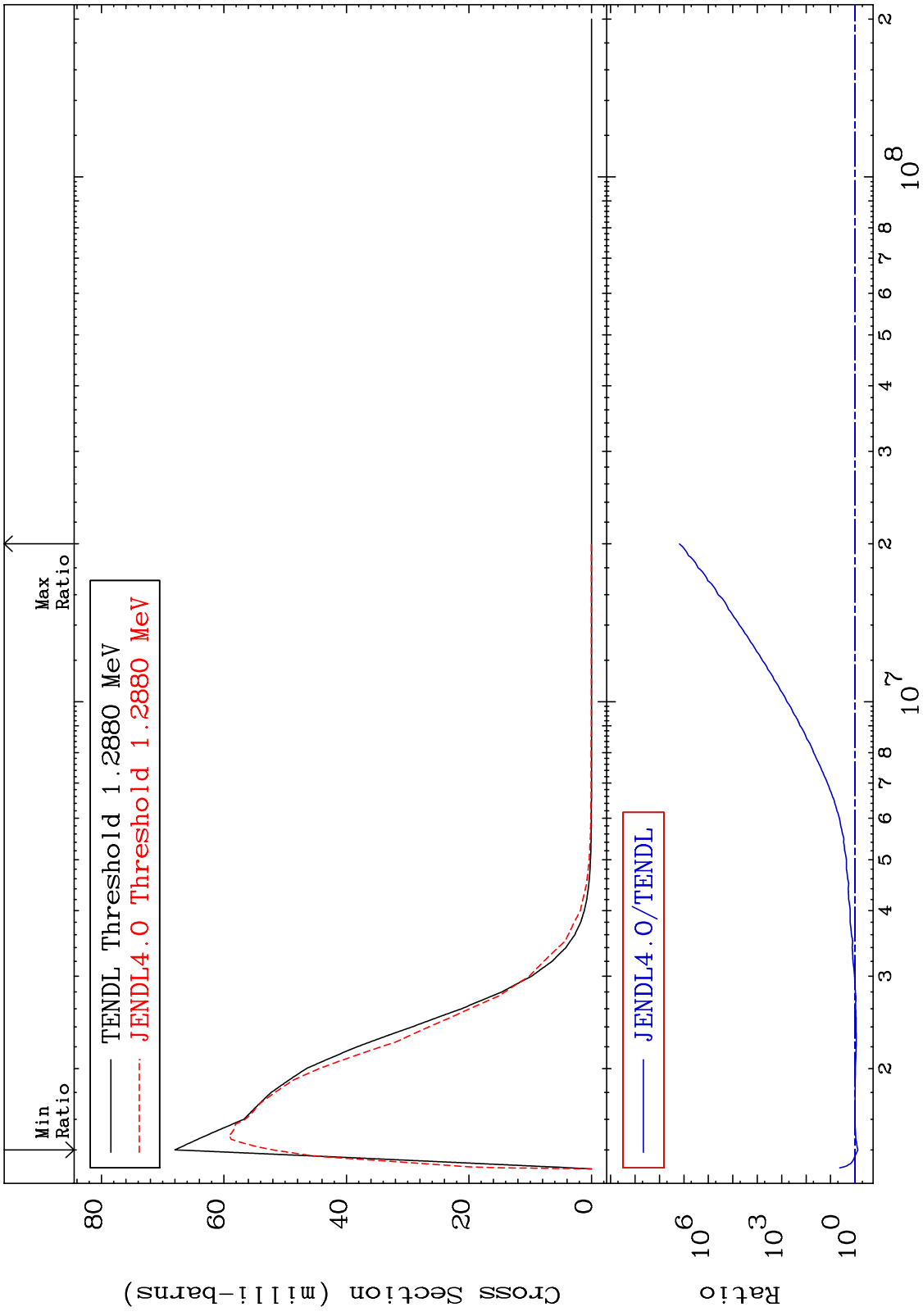
MAT 6637 MT= 57 (n,n') Level Cross Section 66-Dy-160 -86.26 To 31.81 %



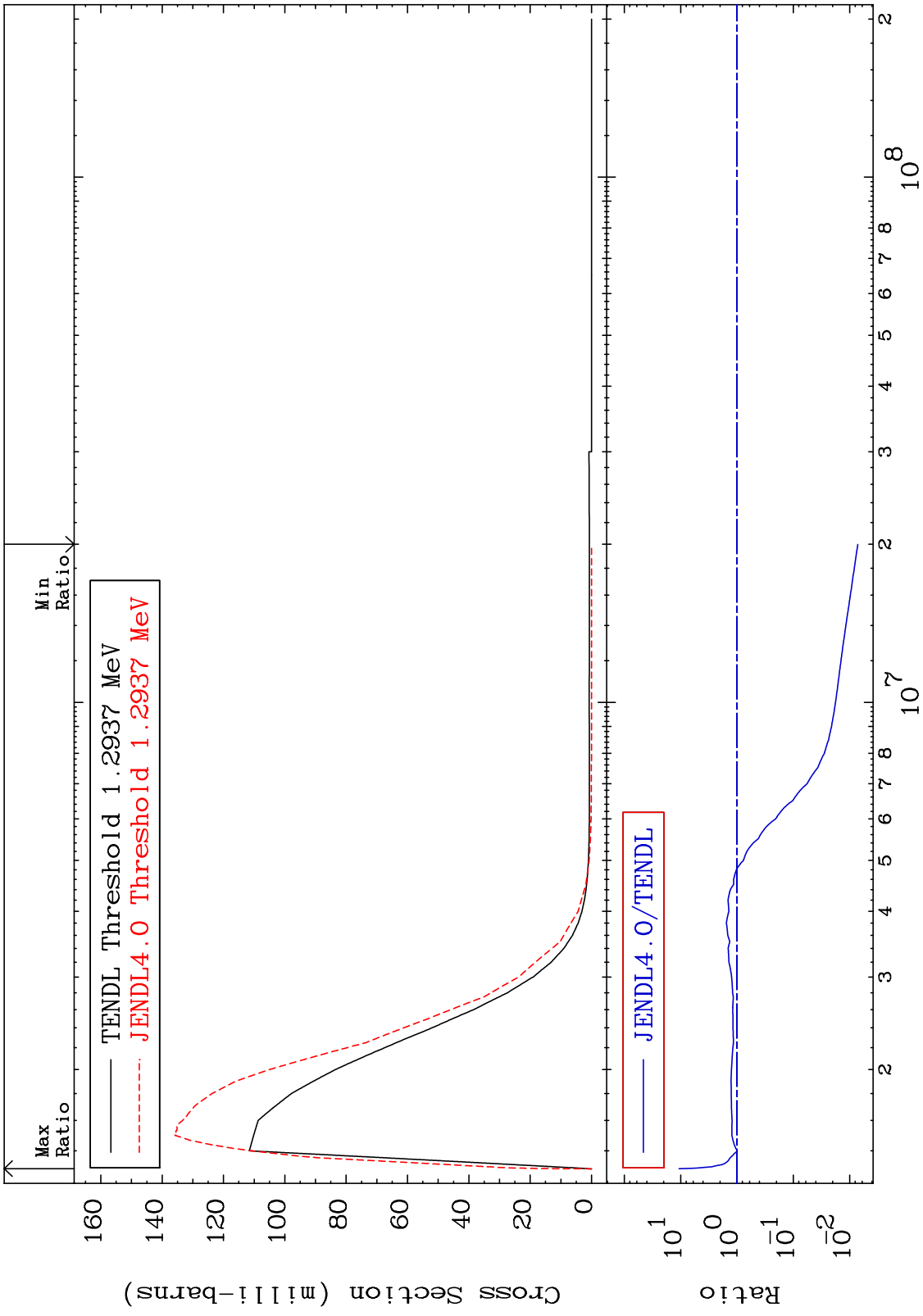
MAT 6637 MT= 58 (n,n') Level Cross Section 66-Dy-160 To 9999. %  
 14.88



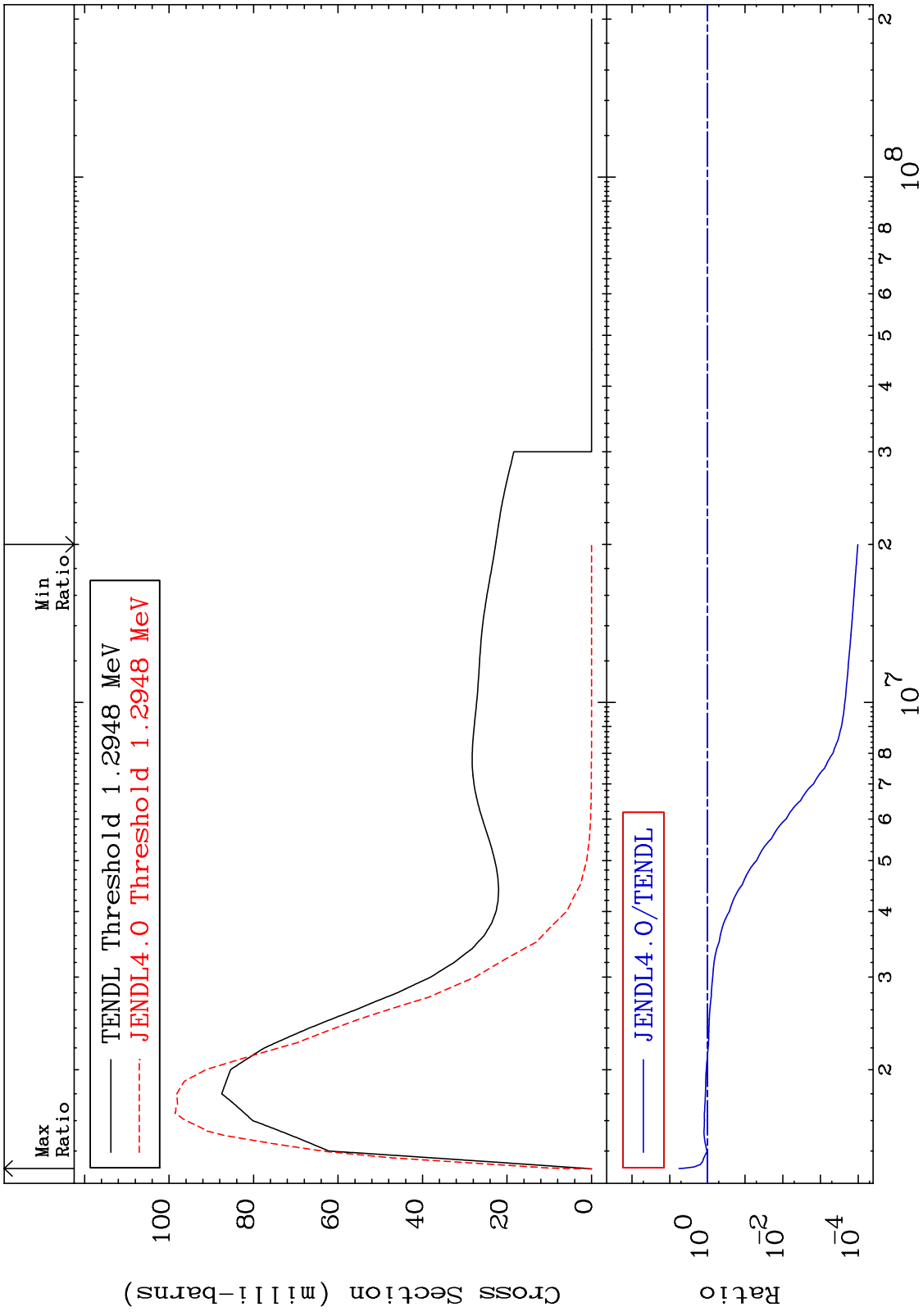
MAT 6637 MT= 59 (n,n') Level Cross Section 66-Dy-160  
 -23.56 To 9999. %



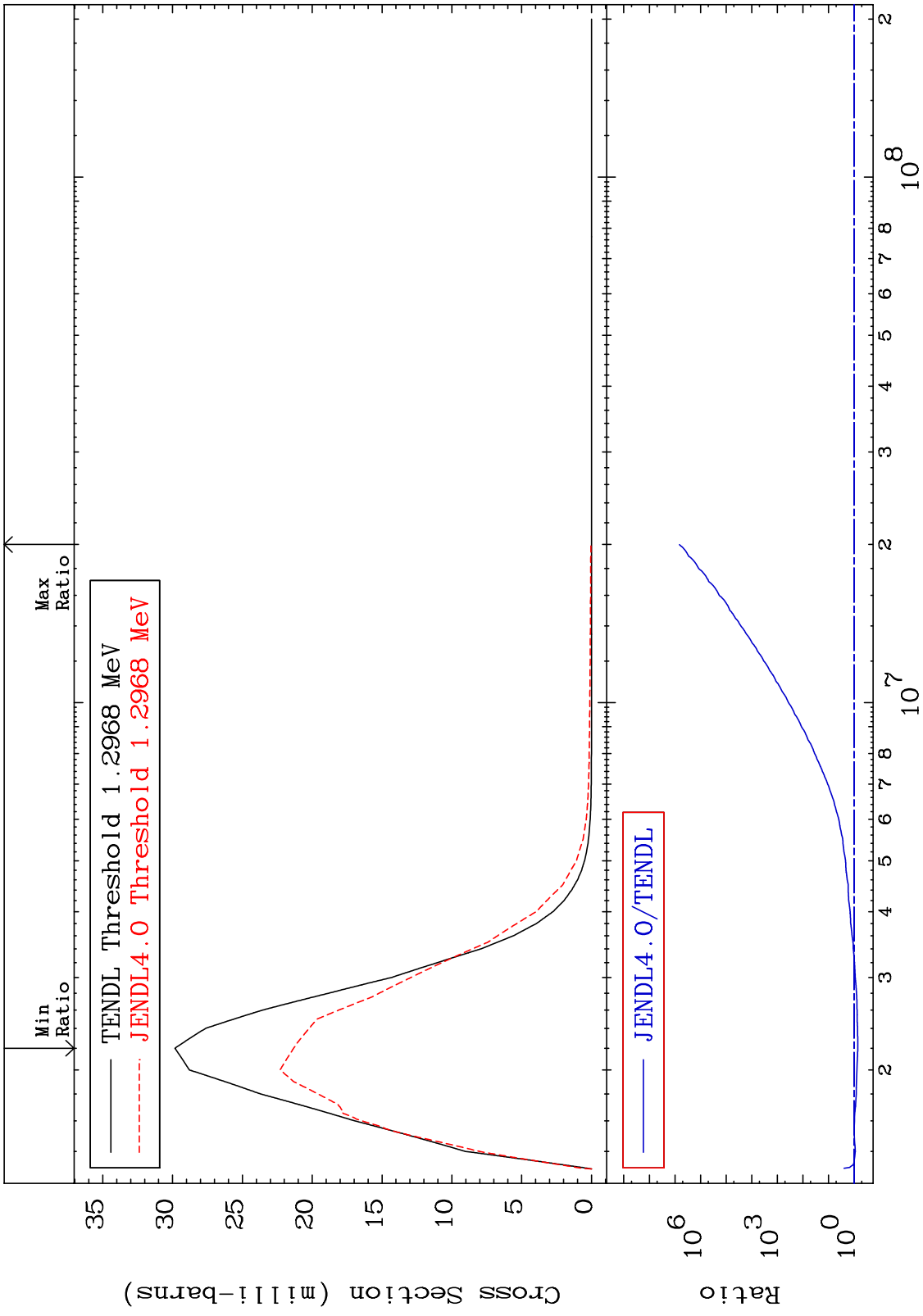
MAT 6637 MT= 60 (n,n') Level Cross Section 66-Dy-160  
 -99.28 To 969.4 %



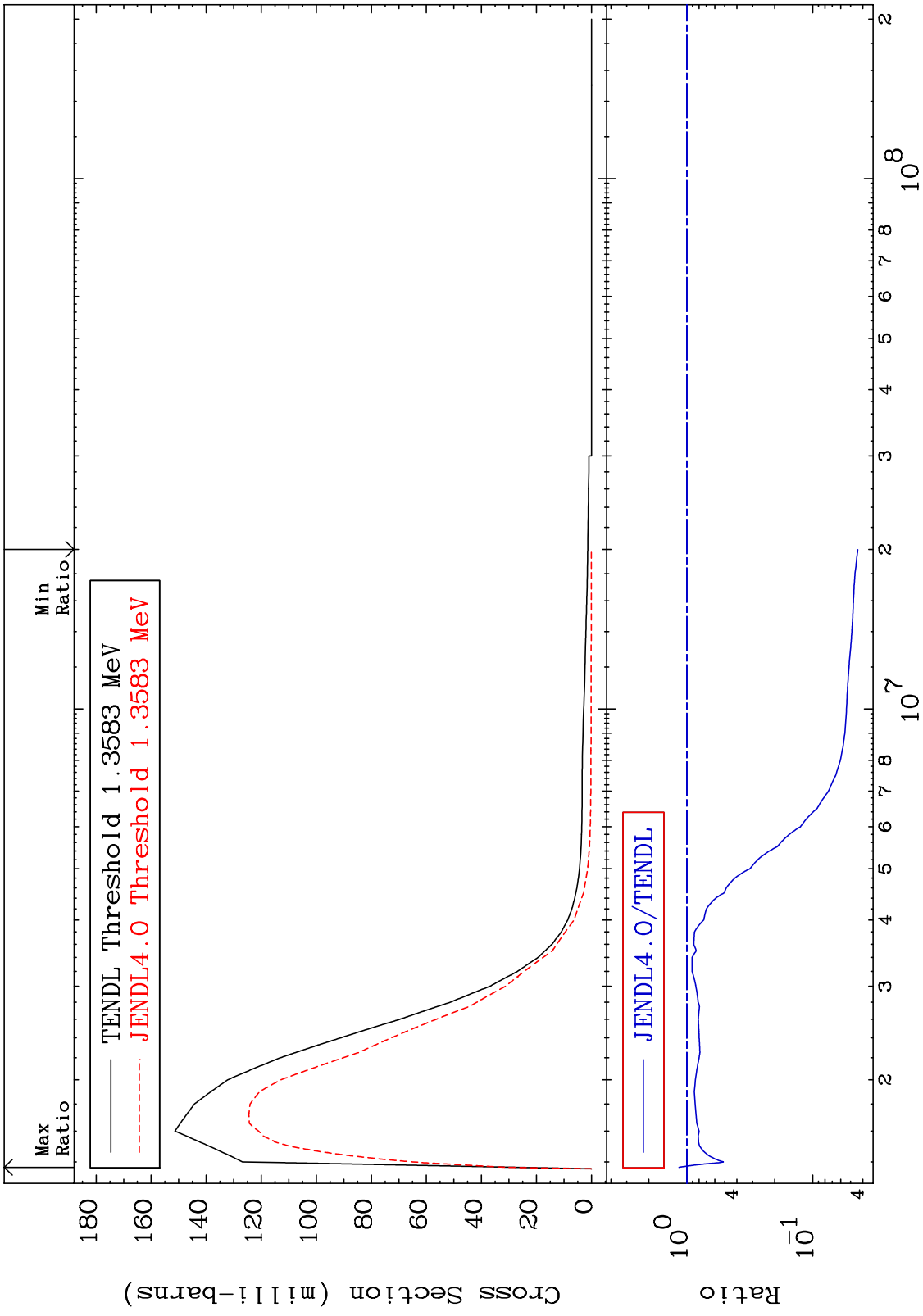
MAT 6637 MT= 61 (n,n') Level Cross Section 66-Dy-160 -99.99 To 464.9 %



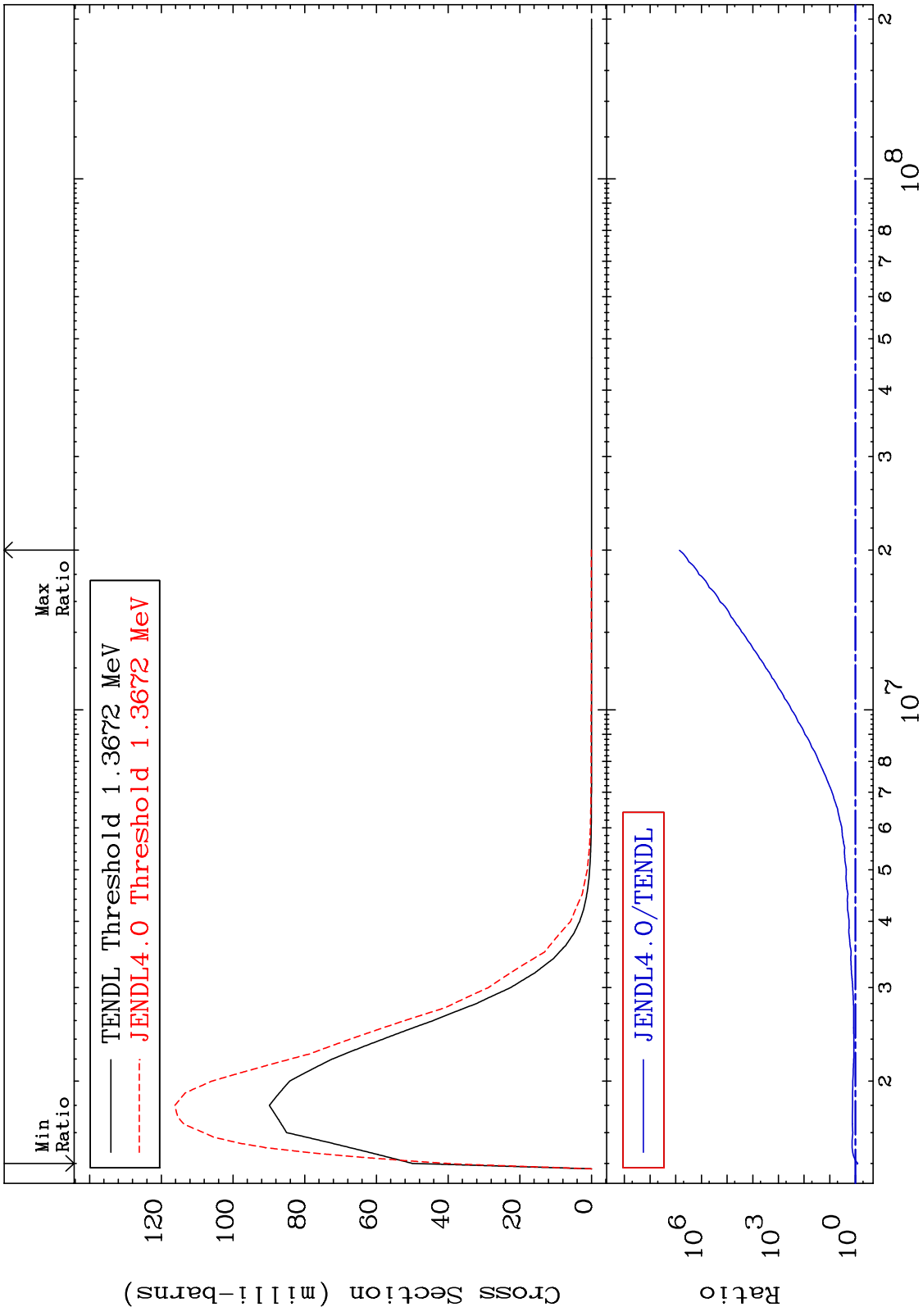
MAT 6637 MT= 62 (n,n') Level Cross Section 66-Dy-160  
 -28.51 To 9999. %



MAT 6637 MT= 63 (n,n') Level Cross Section 66-Dy-160  
 -95.62 To 15.25 %

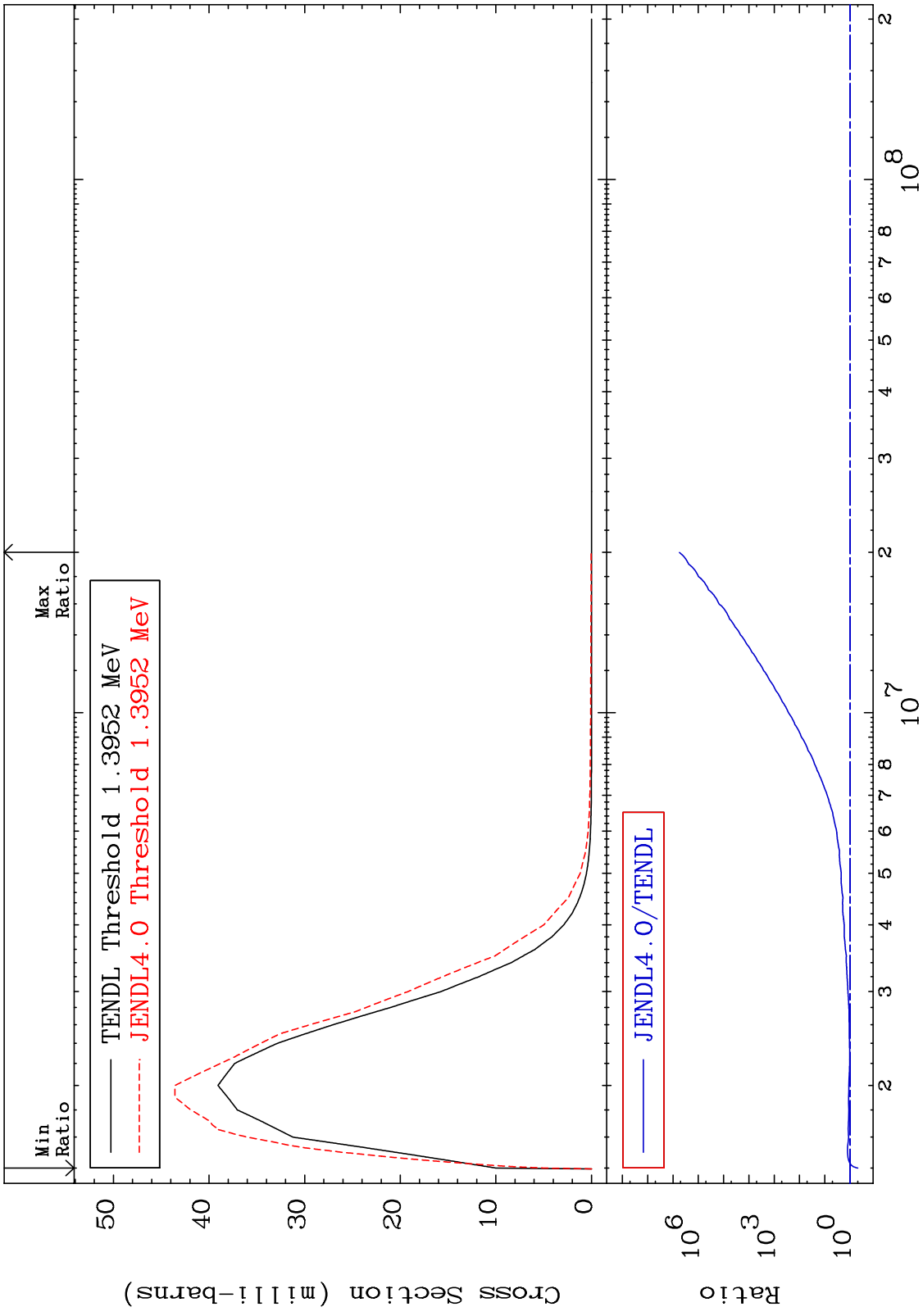


MAT 6637 MT= 64 (n,n') Level Cross Section 66-Dy-160  
 -19.52 To 9999. %

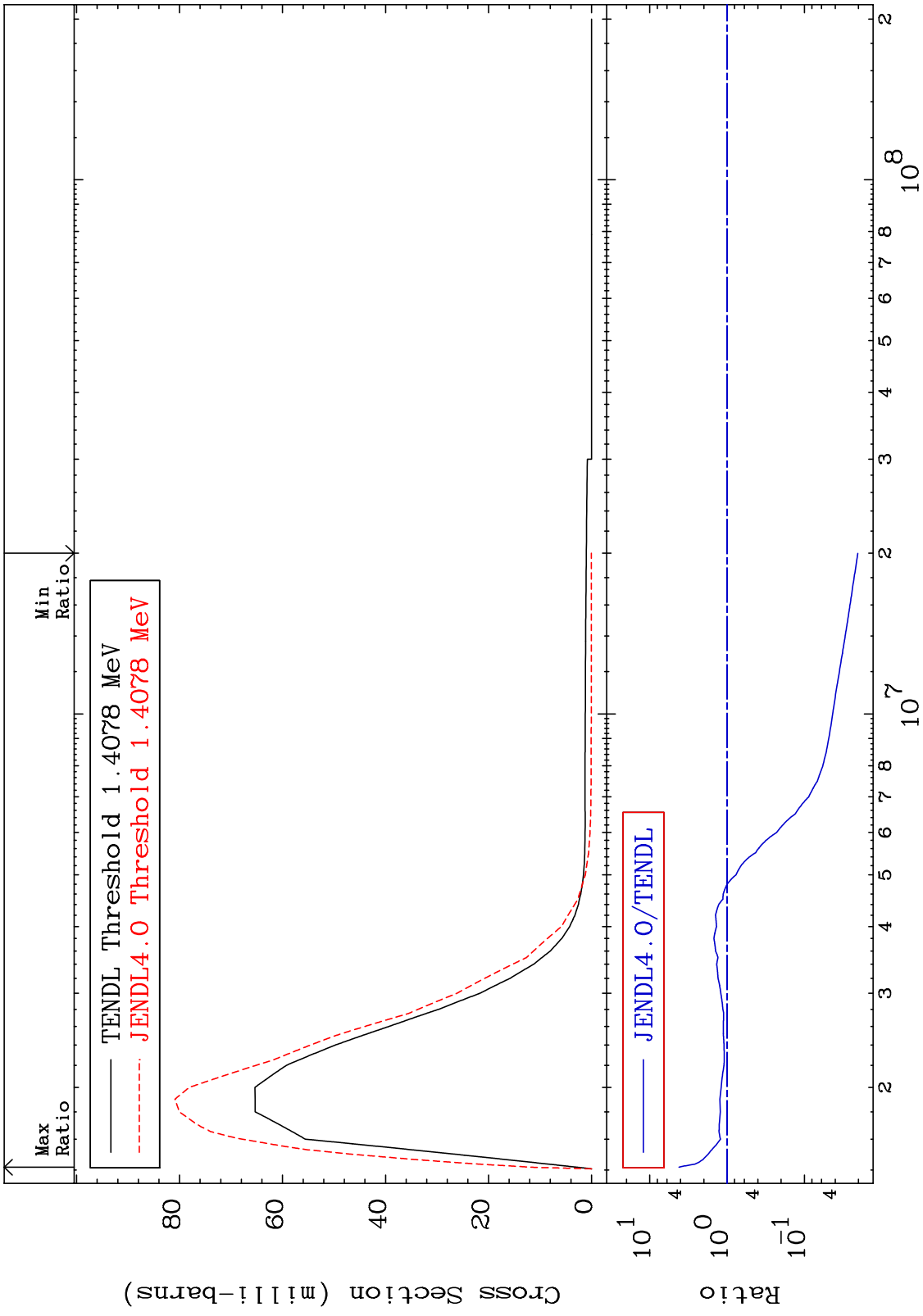




MAT 6637 MT= 65 (n,n') Level Cross Section 66-Dy-160  
 -50.49 To 9999. %



MAT 6637 MT= 66 (n,n') Level Cross Section 66-Dy-160 -97.96 To 318.4 %

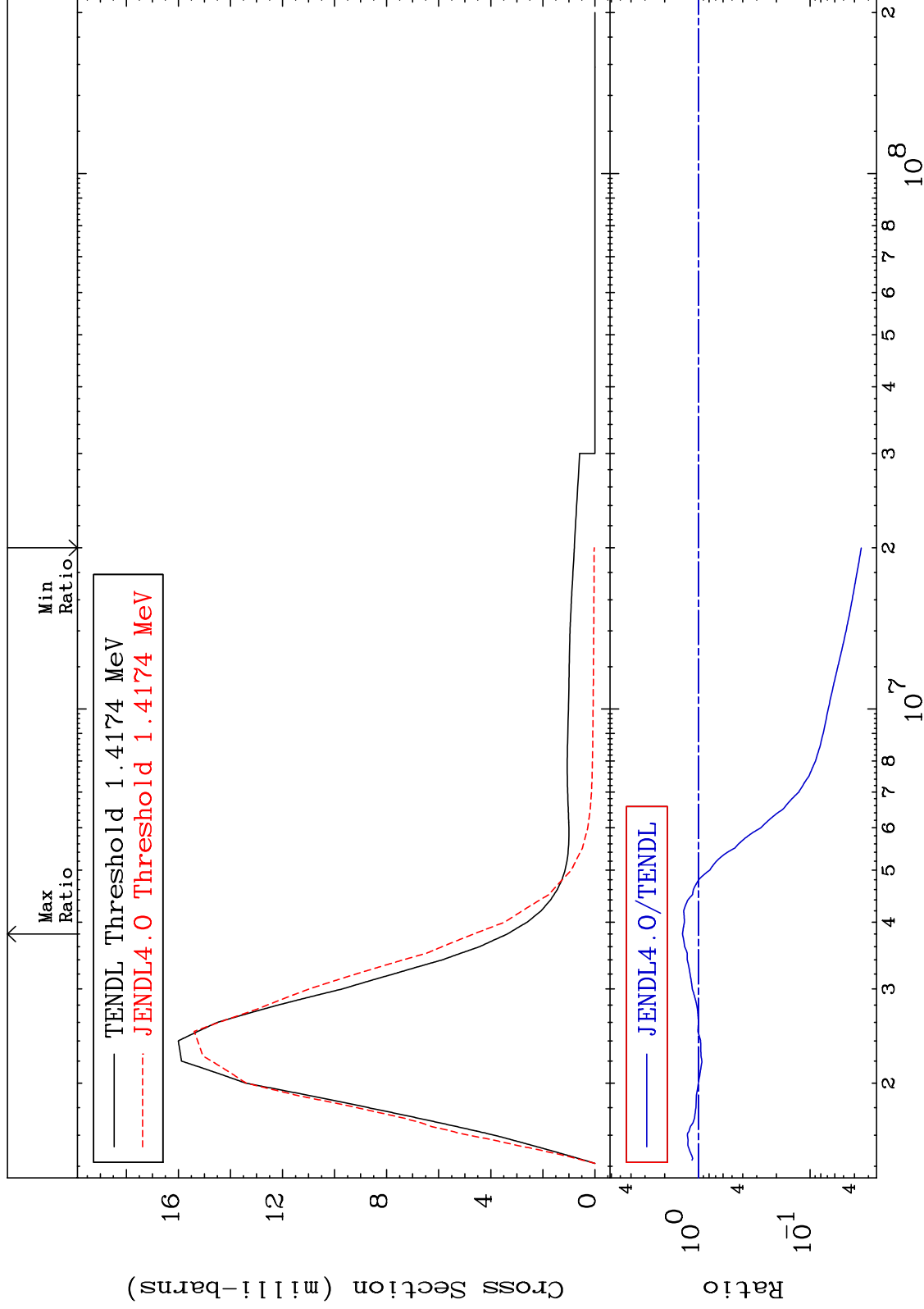


25 66-Dy-160

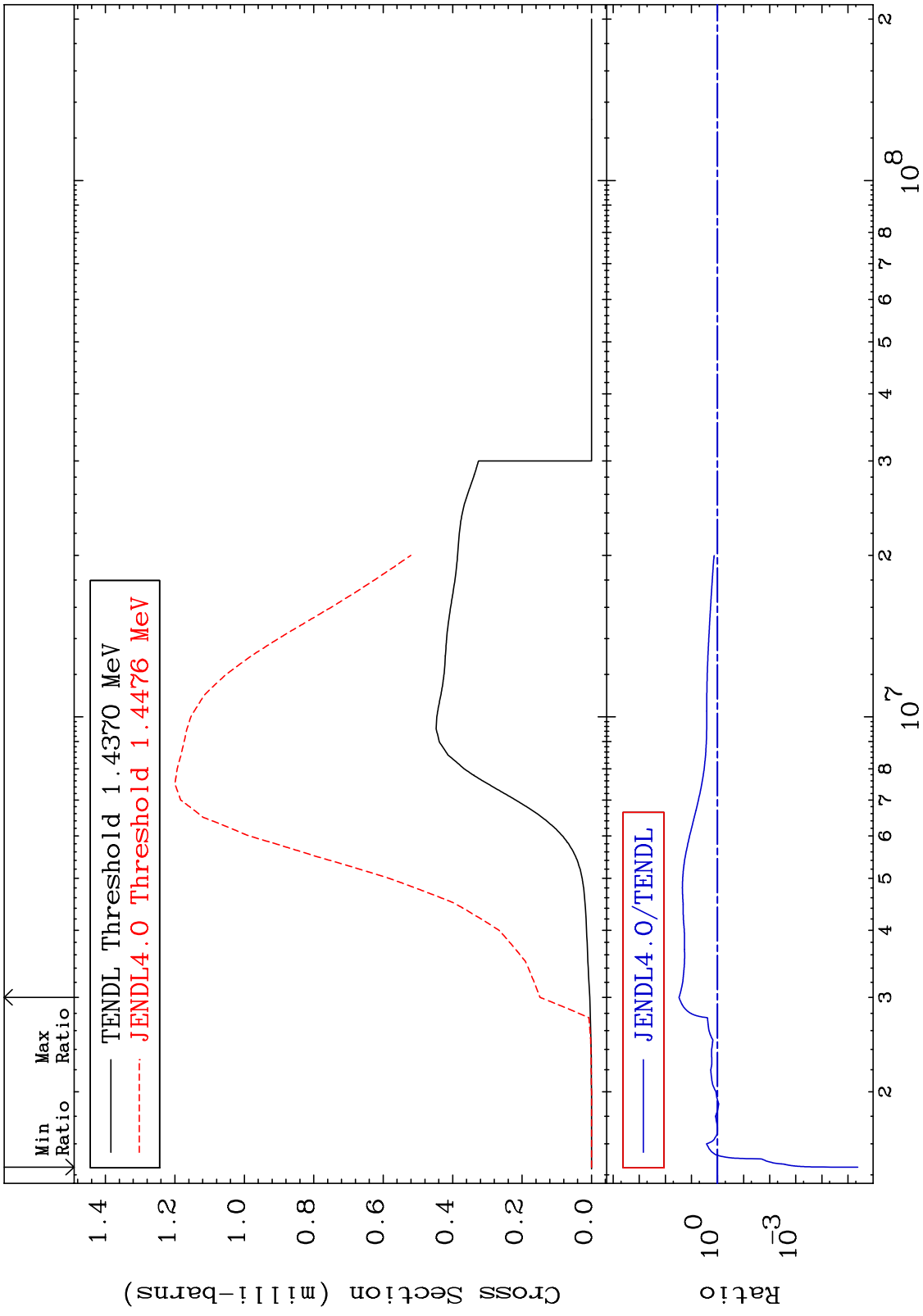
MAT 6637

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

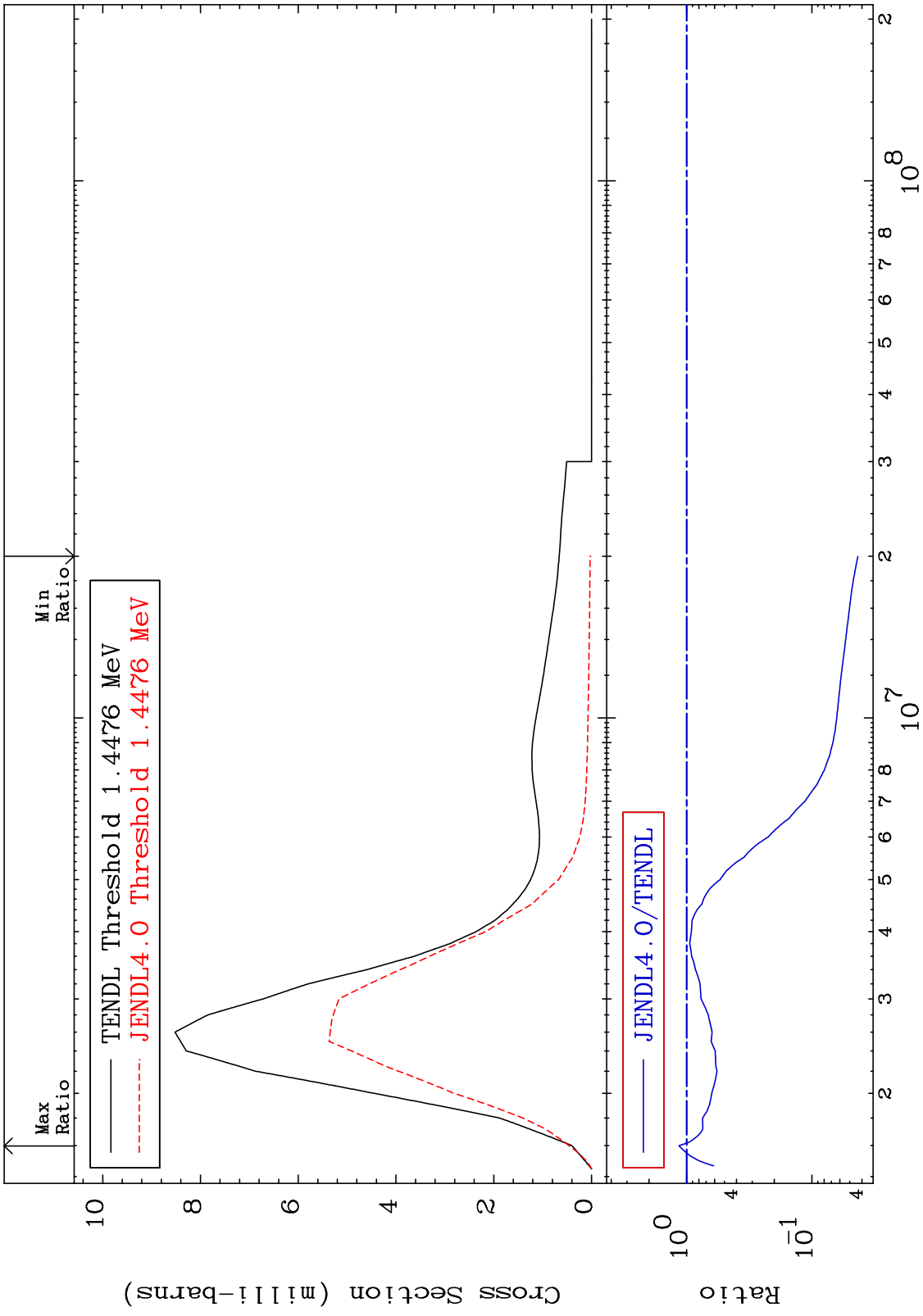
66-Dy-160  
-96.53 To 38.59 %



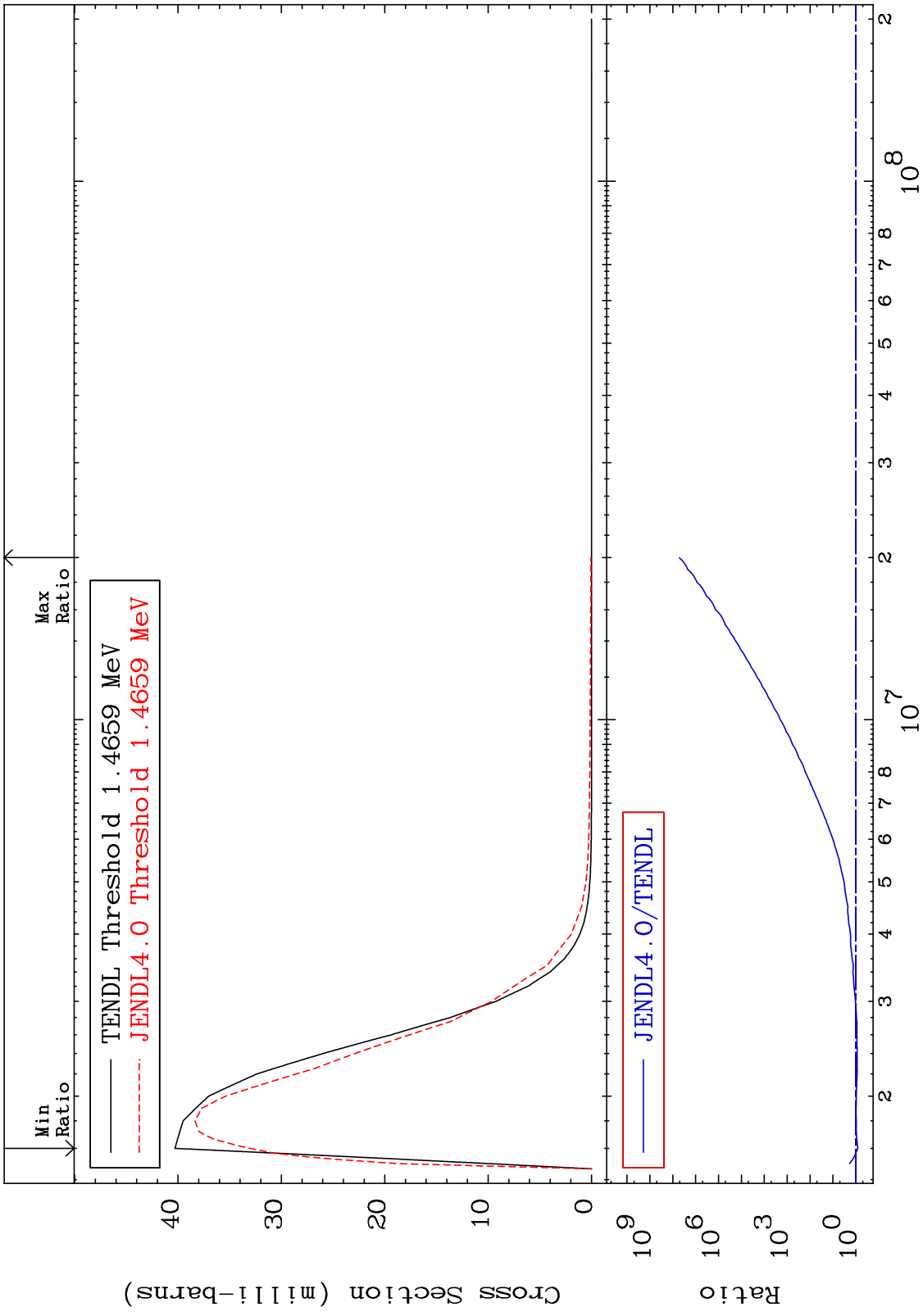
MAT 6637 MT= 68 (n,n') Level Cross Section 66-Dy-160 -100.0 To 2881. %



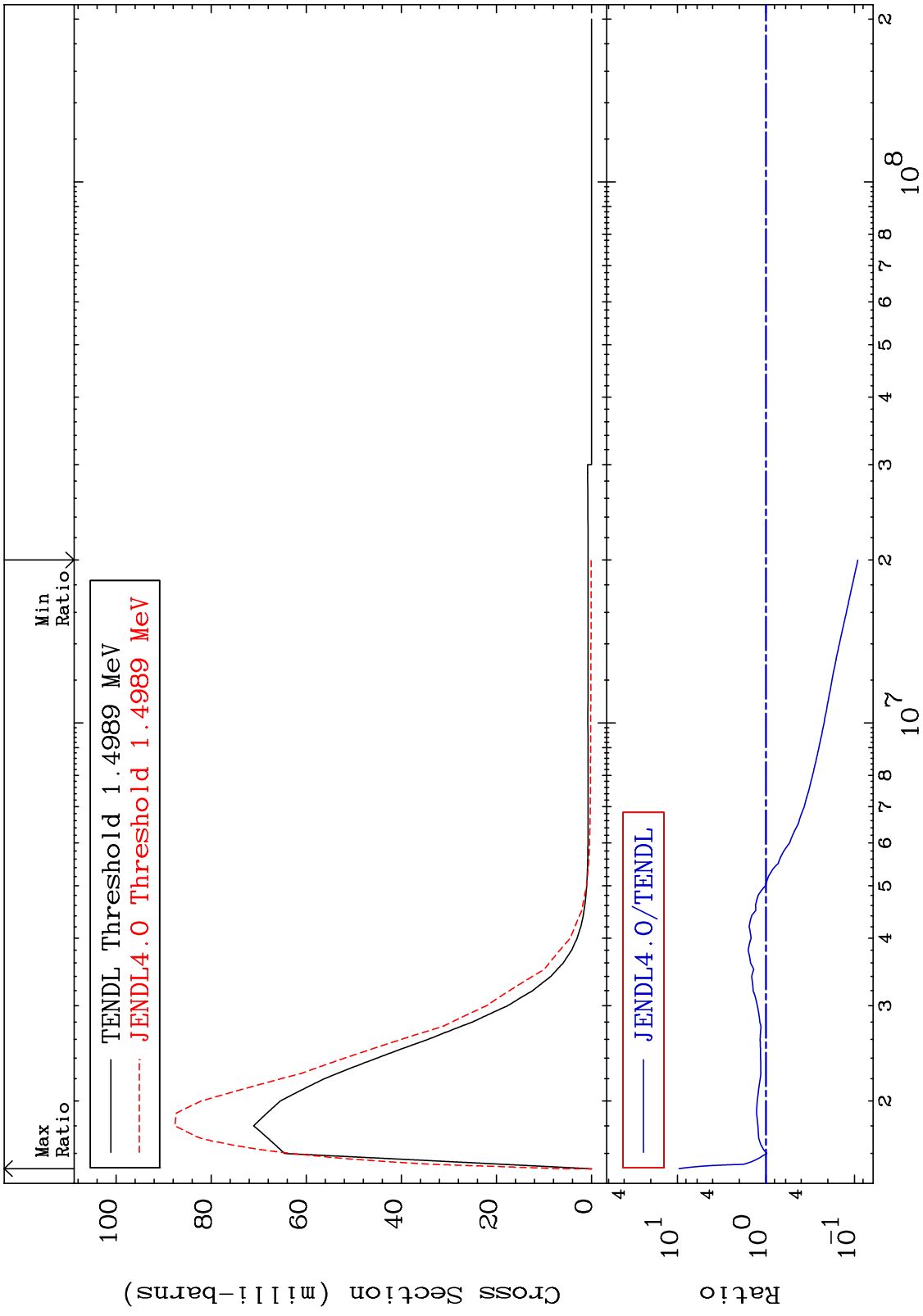
MAT 6637 MT= 69 (n,n') Level Cross Section 66-Dy-160  
 -95.69 To 15.16 %



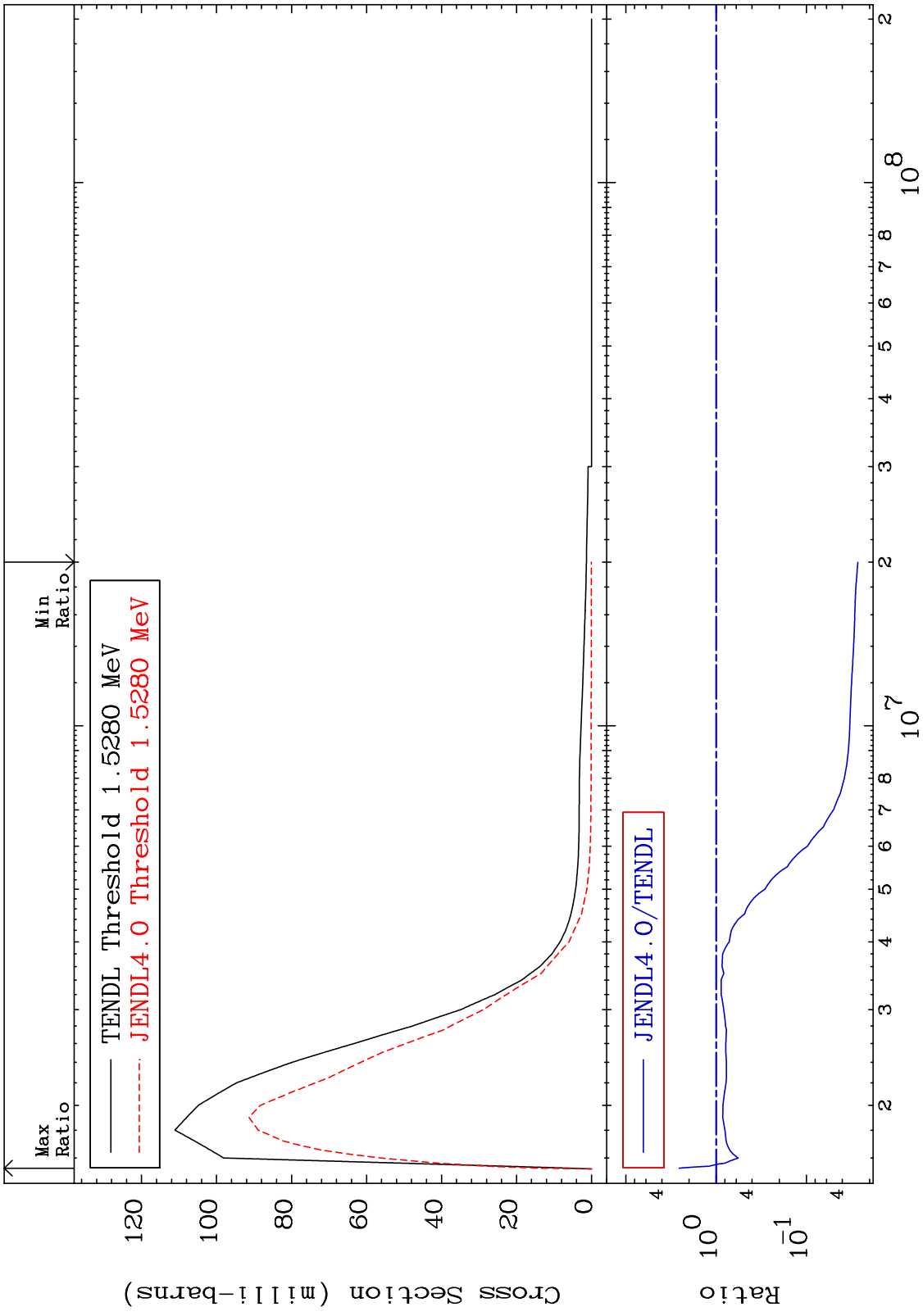
MAT 6637 MT= 70 (n,n') Level Cross Section 66-Dy-160  
 -18.03 To 9999. %



MAT 6637 MT= 71 (n,n') Level Cross Section 66-Dy-160  
 -90.83 To 859.3 %

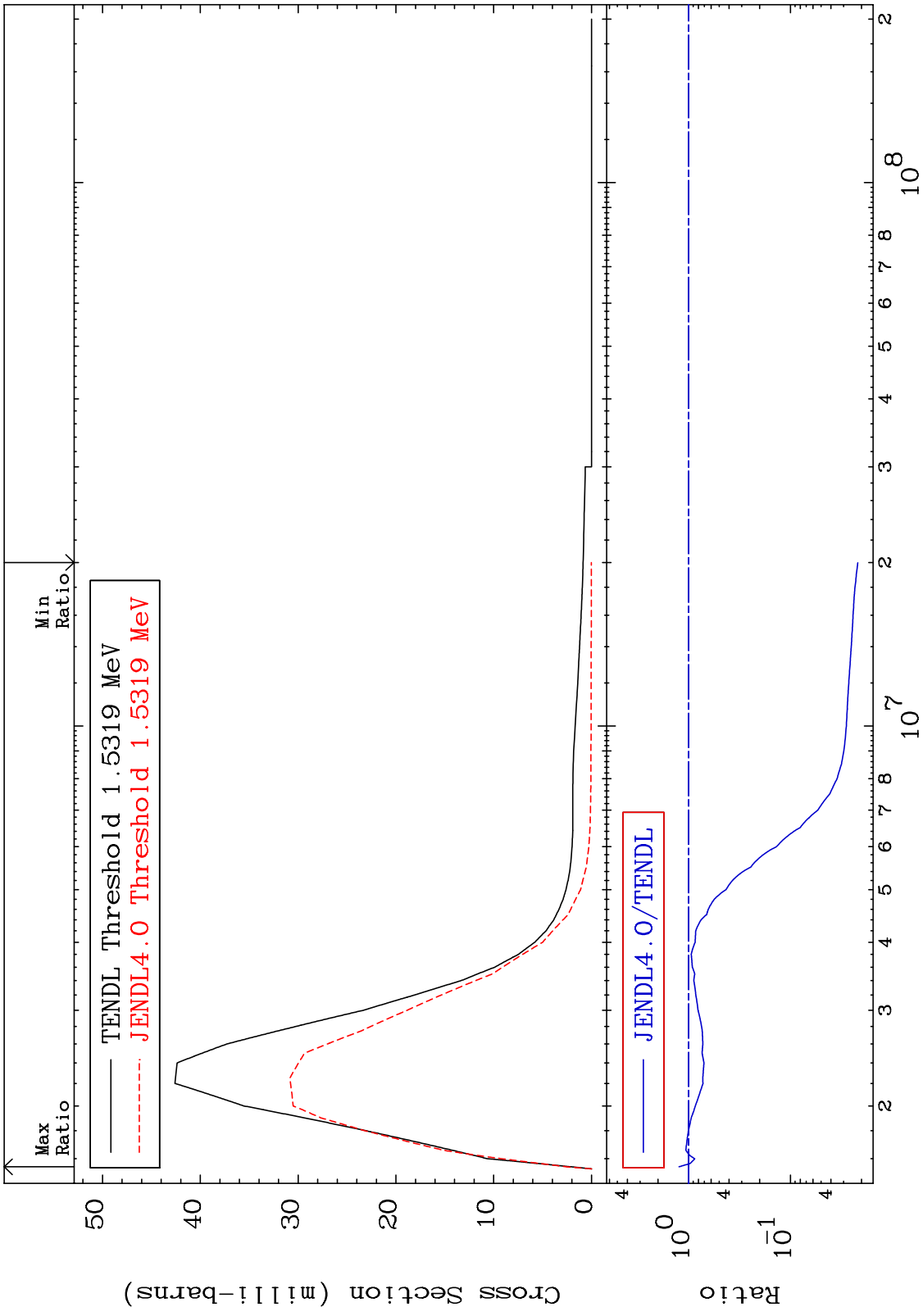


MAT 6637 MT= 72 (n,n') Level Cross Section 66-Dy-160 -97.31 To 157.9 %





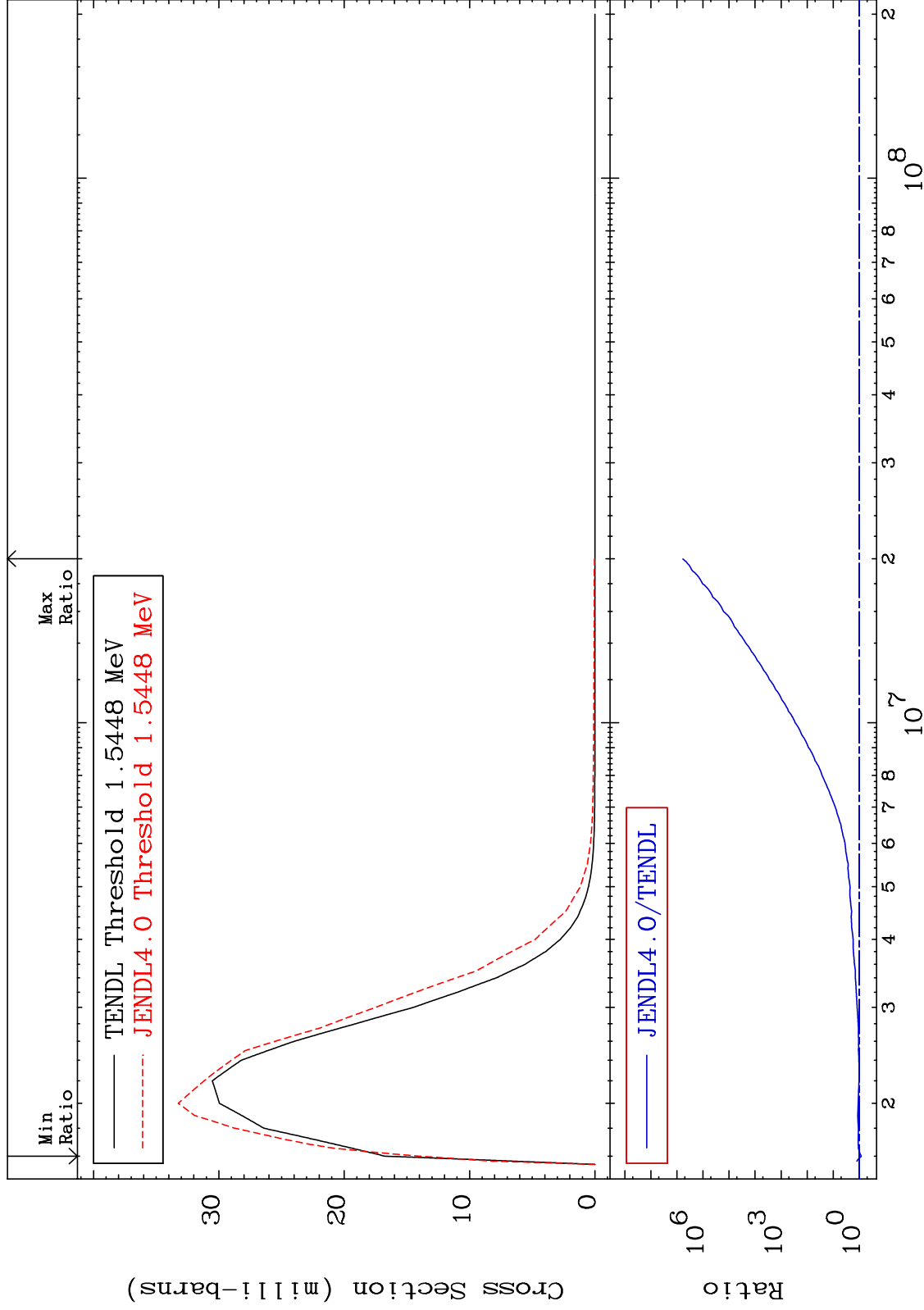
MAT 6637 MT= 73 (n,n') Level Cross Section 66-Dy-160 -97.83 To 24.05 %



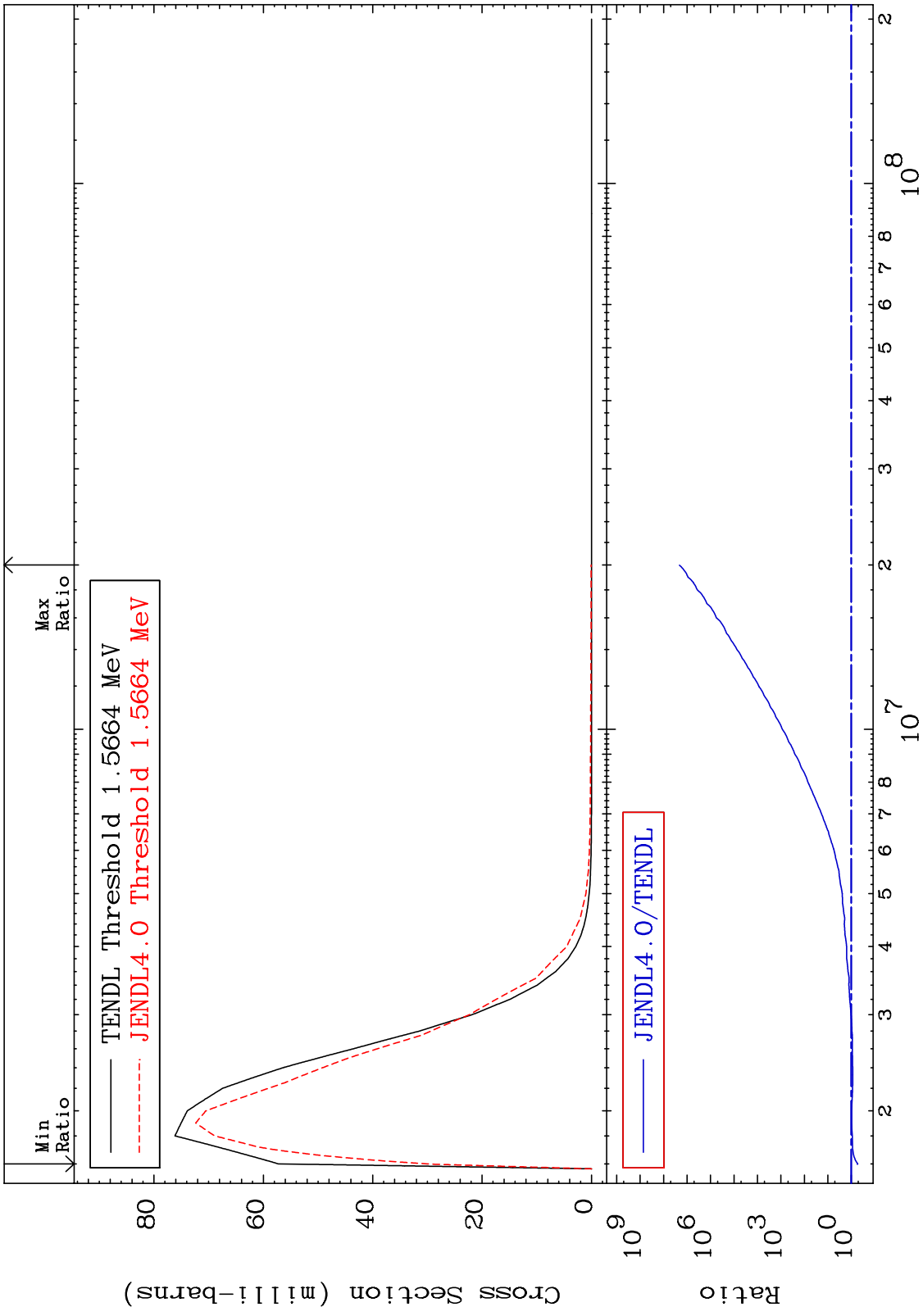
MAT 6637

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

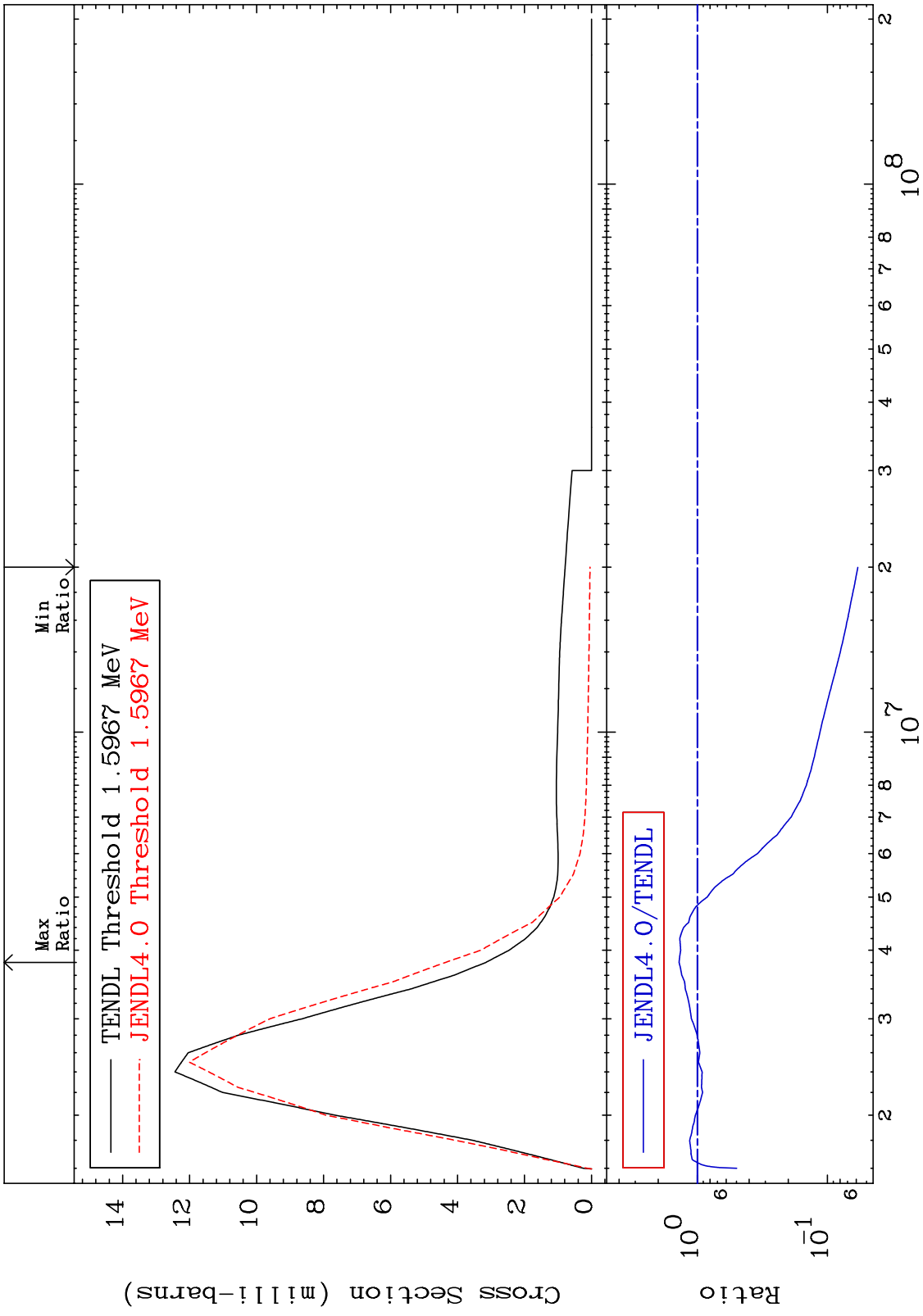
66-Dy-160  
-16.47 To 9999. %



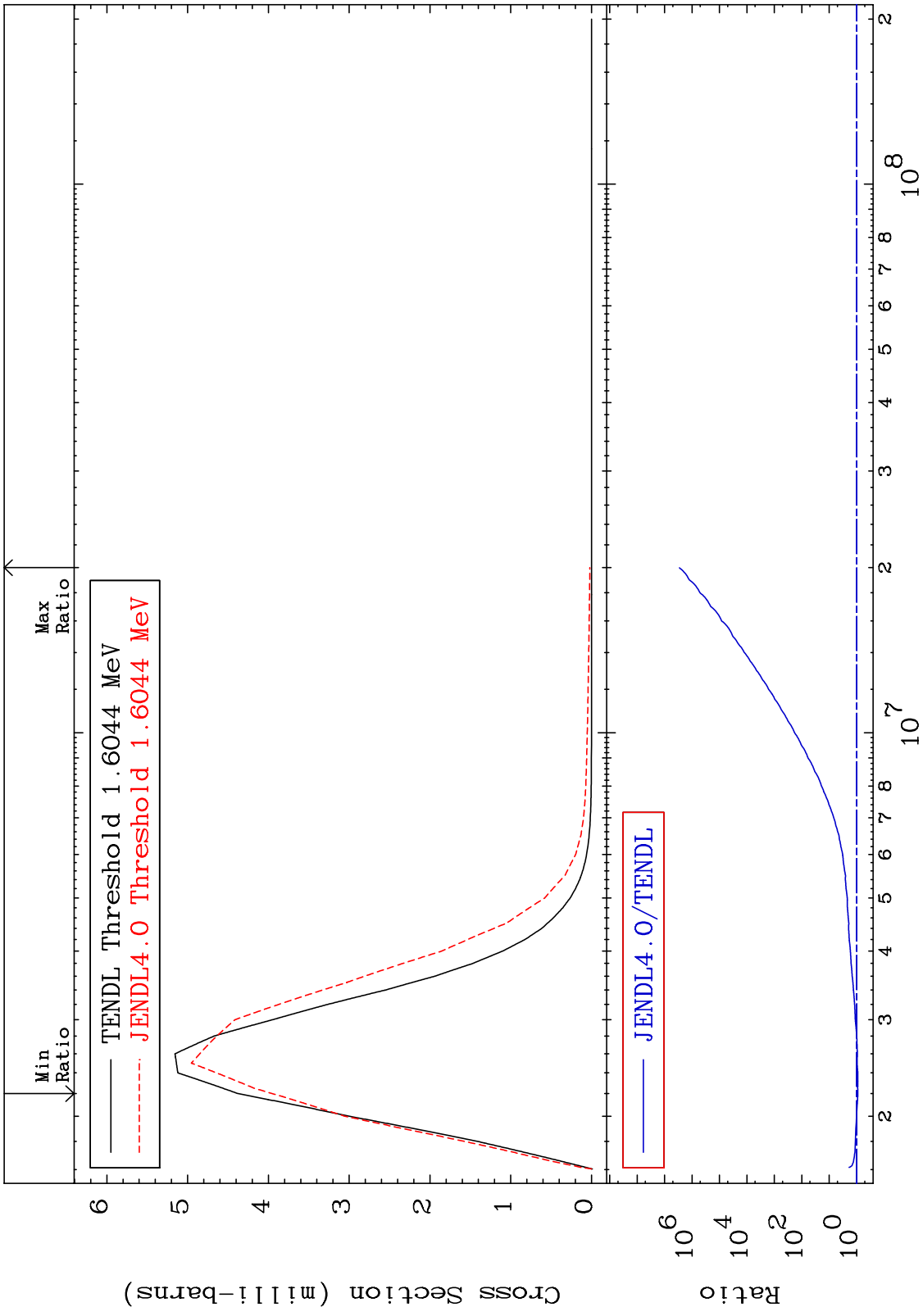
MAT 6637 MT= 75 (n,n') Level Cross Section 66-Dy-160  
 -47.50 To 9999. %



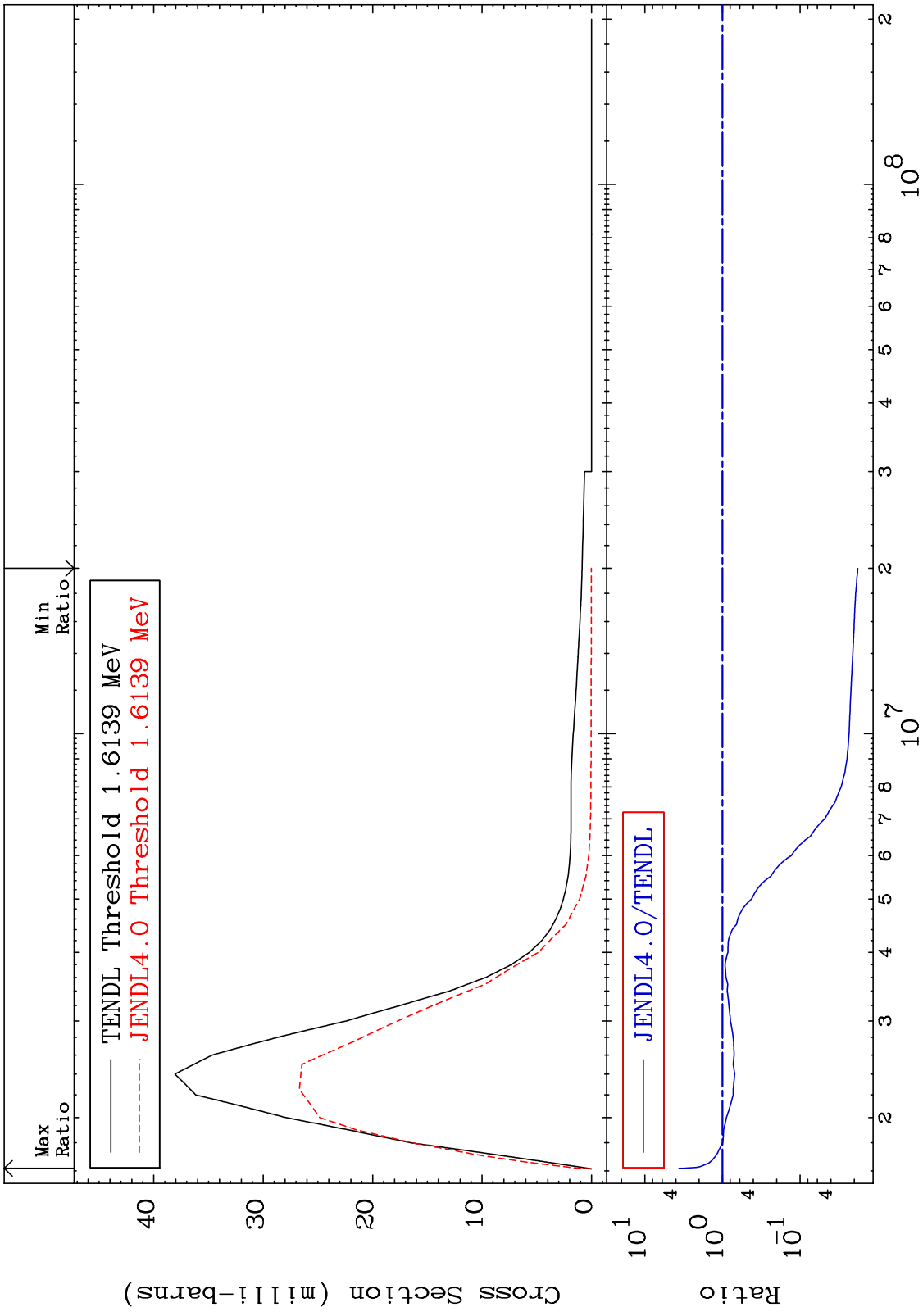
MAT 6637 MT= 76 (n,n') Level Cross Section 66-Dy-160  
 -94.16 To 38.29 %



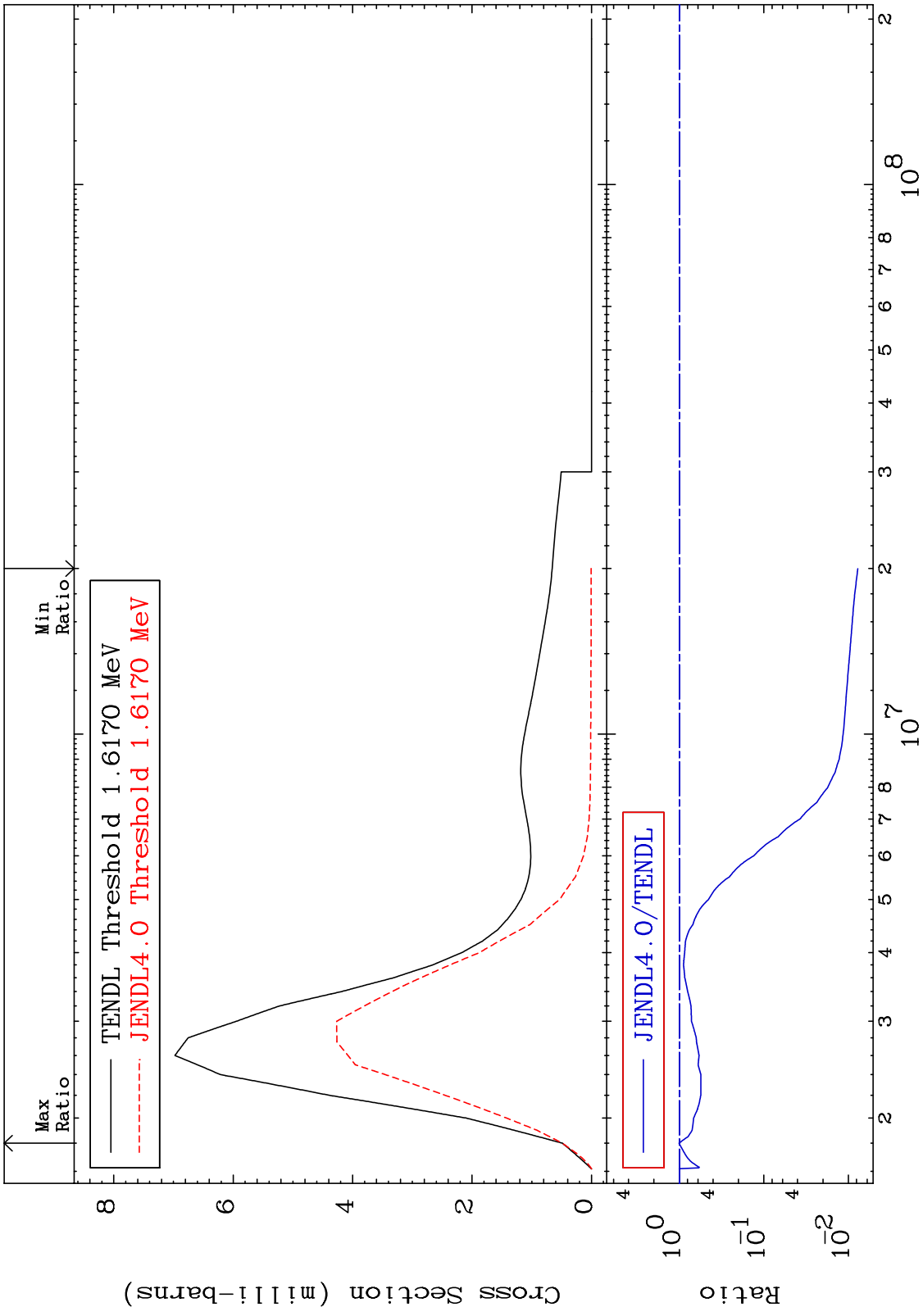
MAT 6637 MT= 77 (n,n') Level Cross Section 66-Dy-160  
 -9.728 To 9999. %



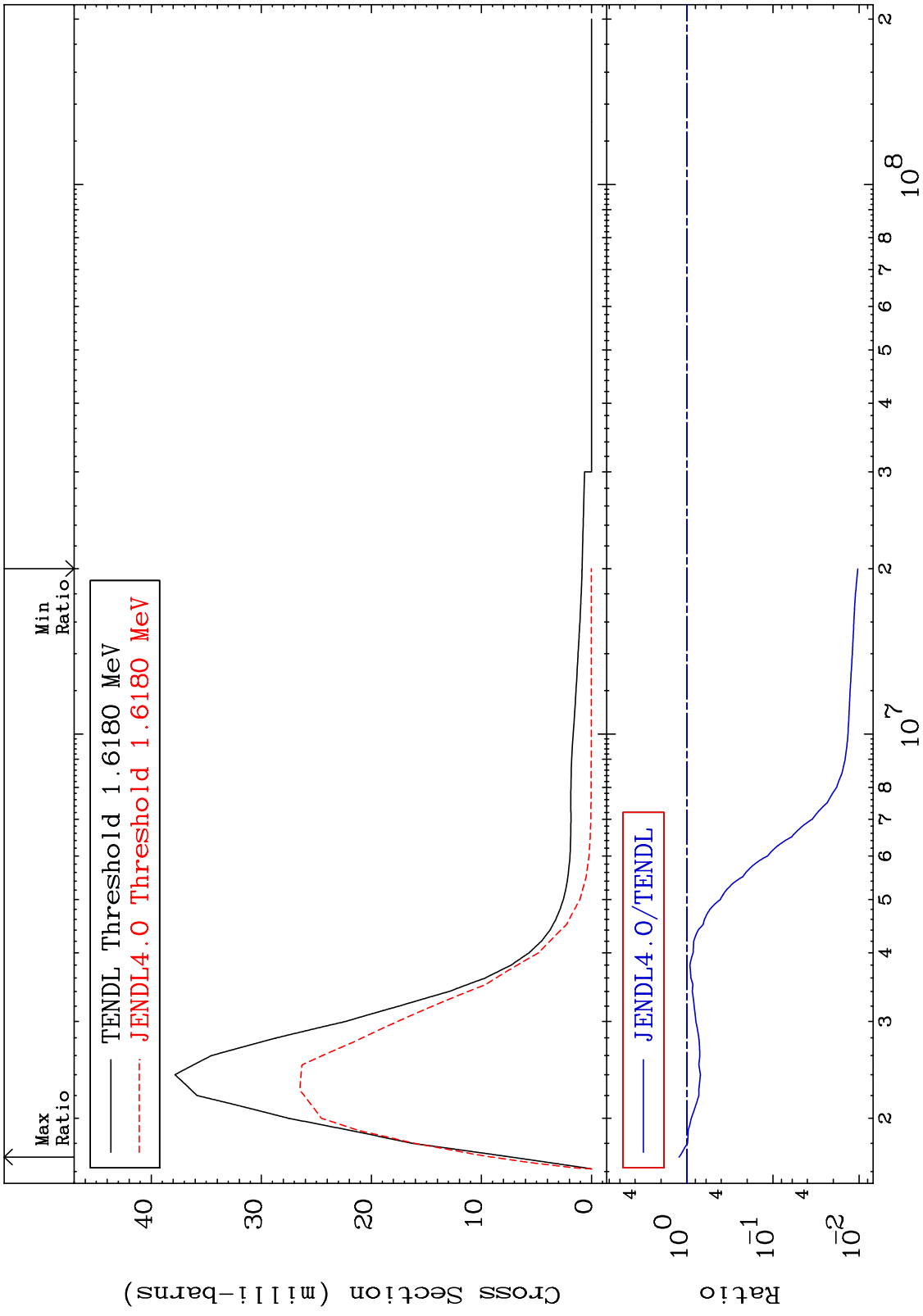
MAT 6637 MT= 78 (n,n') Level Cross Section 66-Dy-160 -98.20 To 263.4 %



MAT 6637 MT= 79 (n,n') Level Cross Section 66-Dy-160  
 -99.23 To 0.800 %



MAT 6637 MT= 80 (n,n') Level Cross Section 66-Dy-160  
 -98.96 To 23.50 %

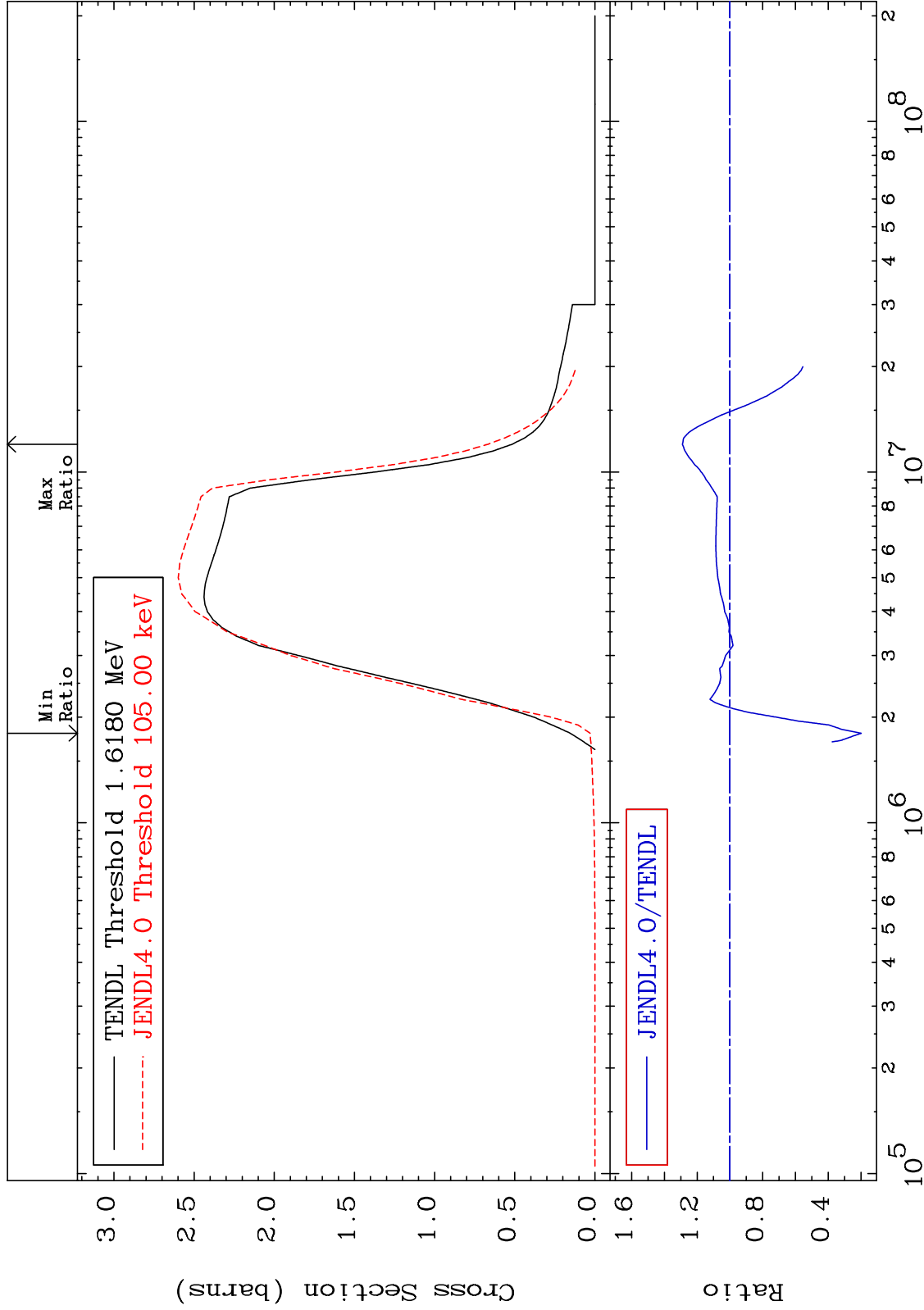




MAT 6637

(n, n') Continuum  
Cross Section

66-Dy-160  
-80.20 To 28.97 %



Incident Energy (eV)

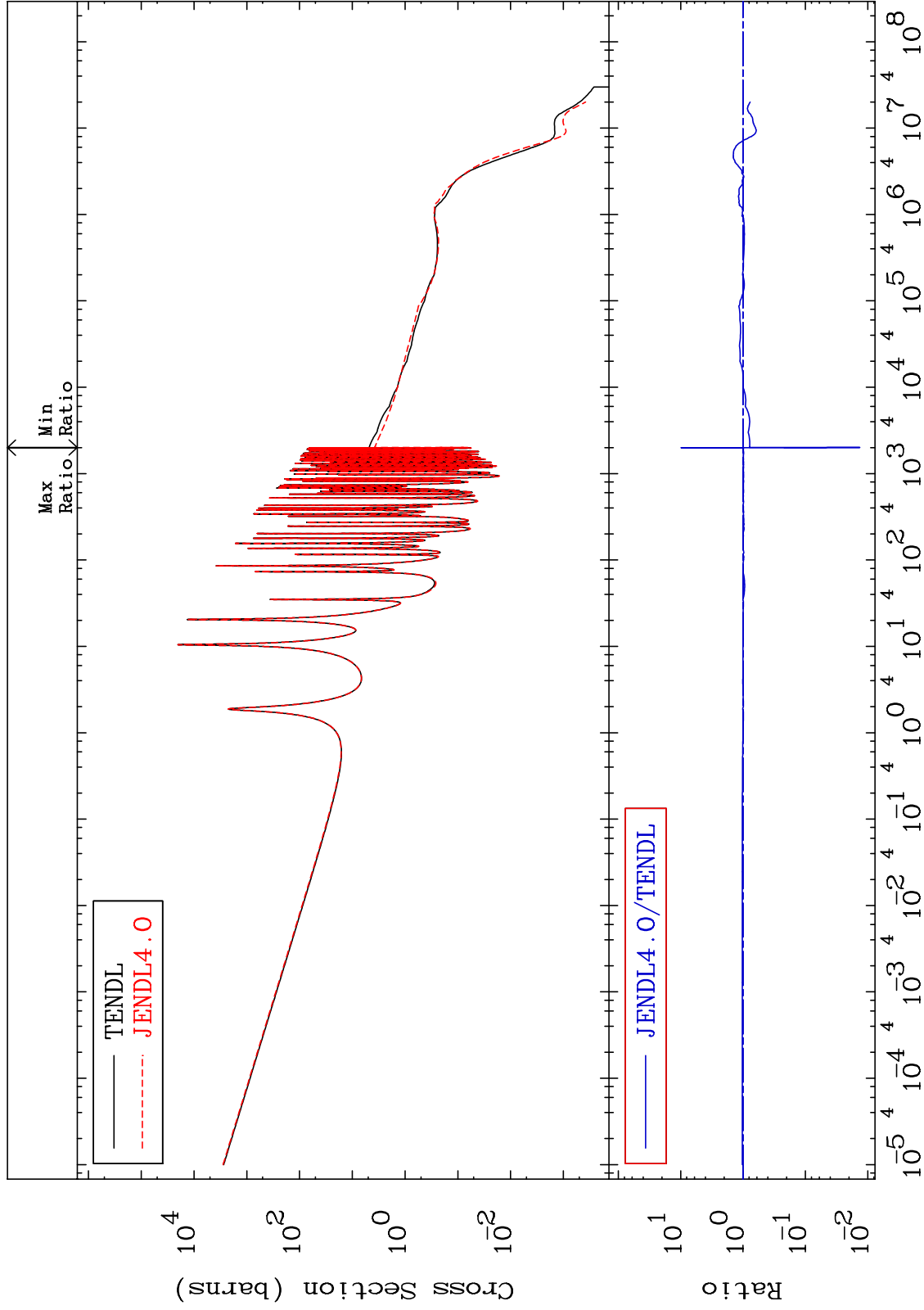
66-Dy-160

40

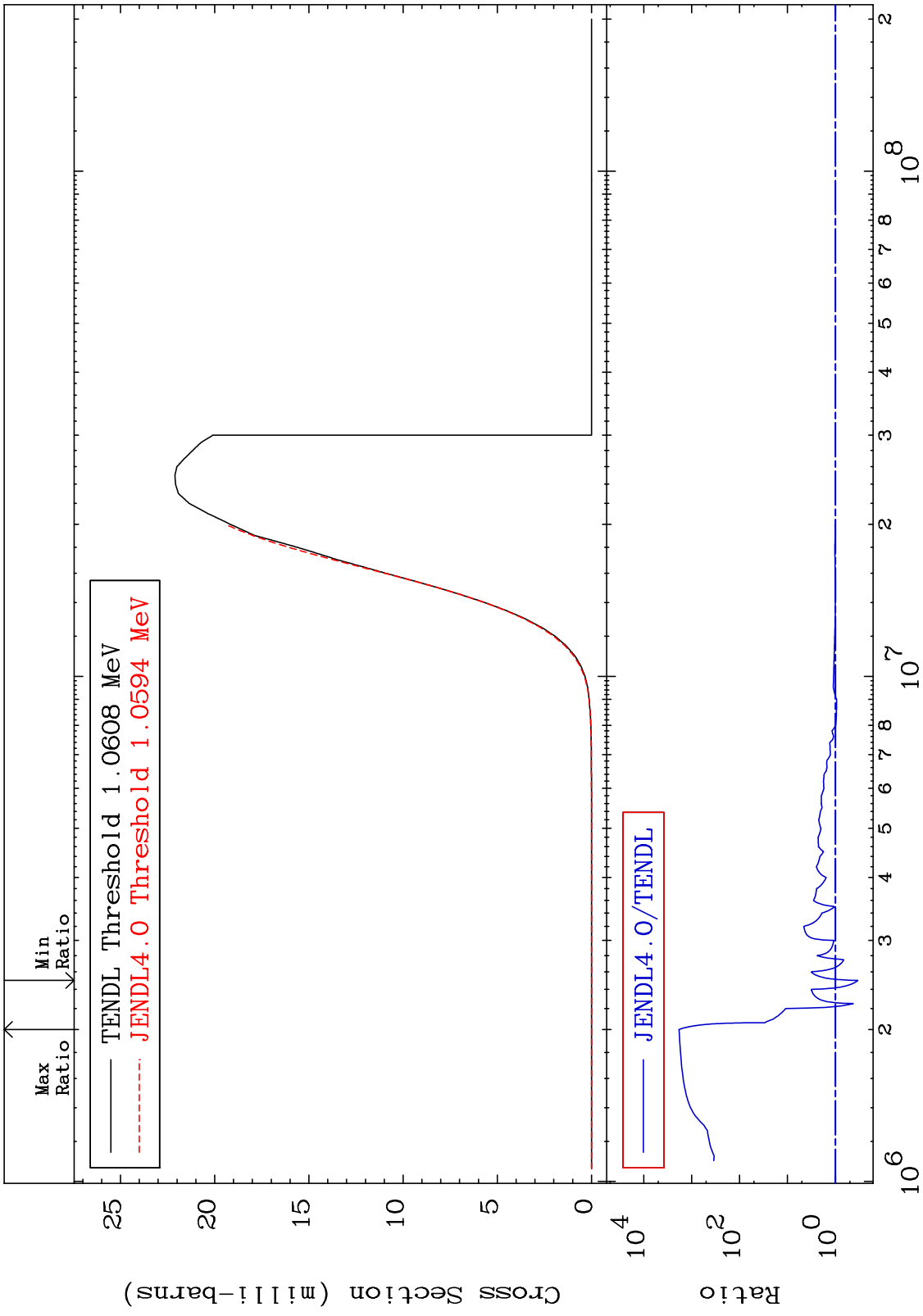
MAT 6637

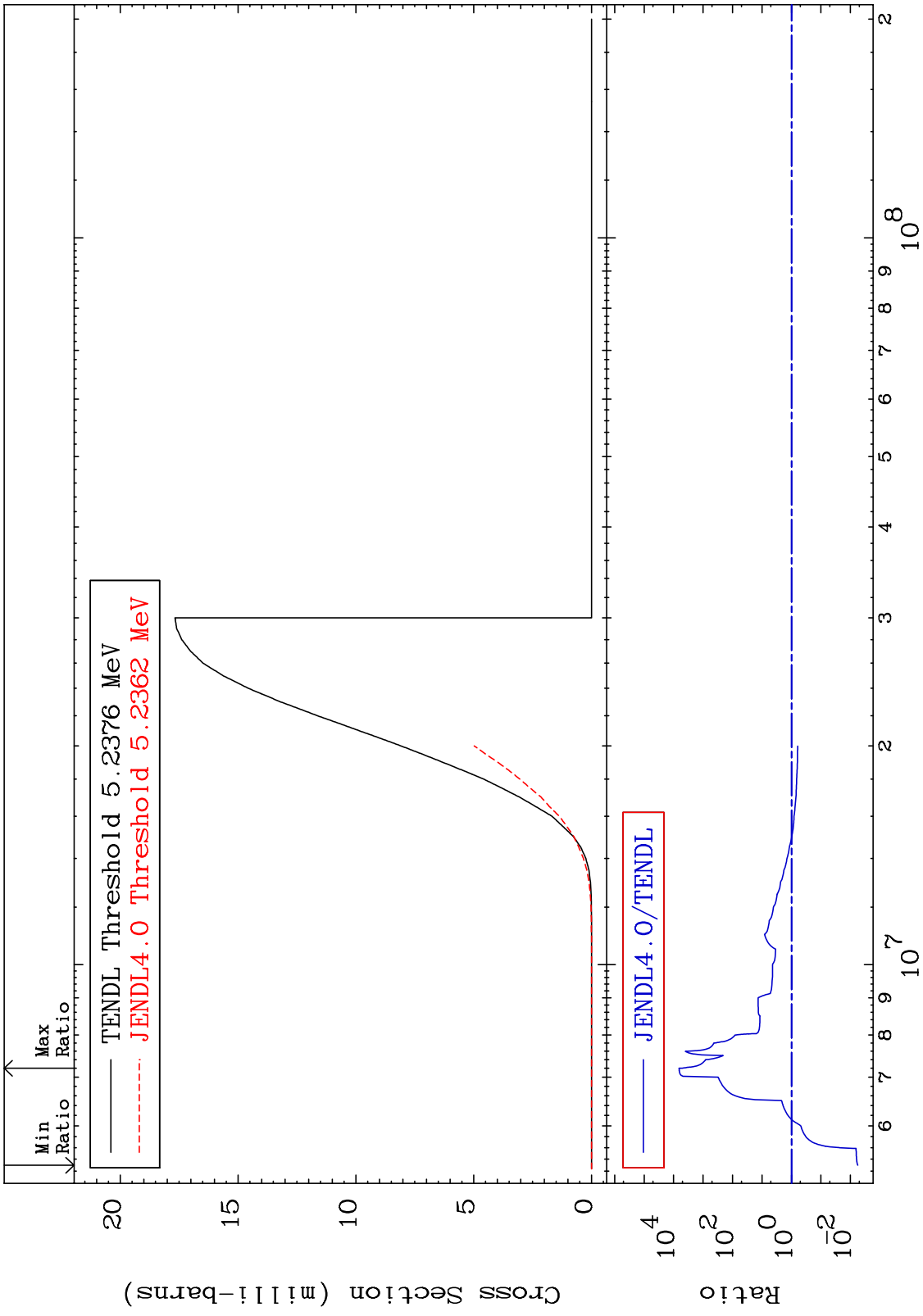
(n,  $\gamma$ )  
Cross Section

66-Dy-160  
-98.66 To 878.5 %

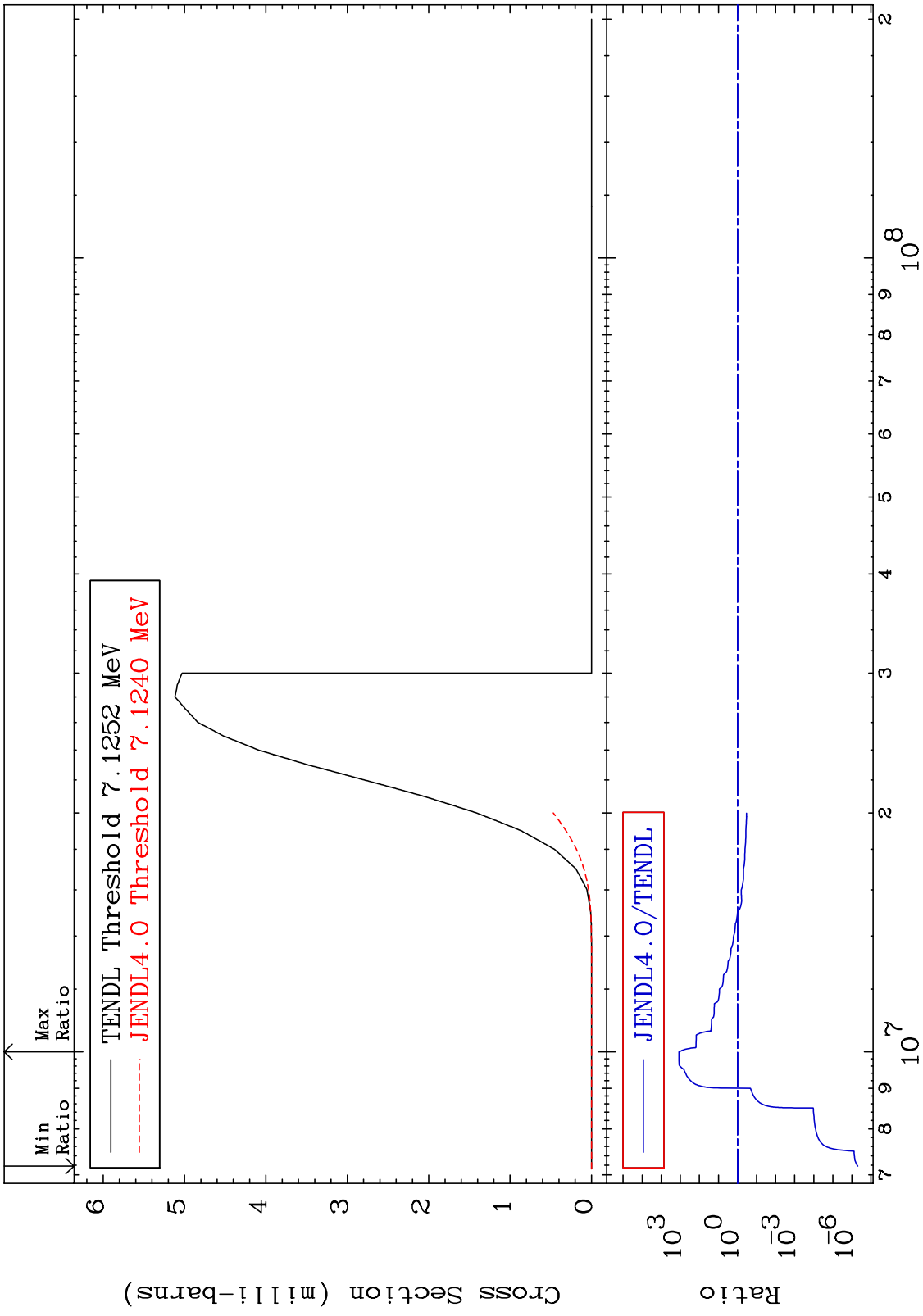


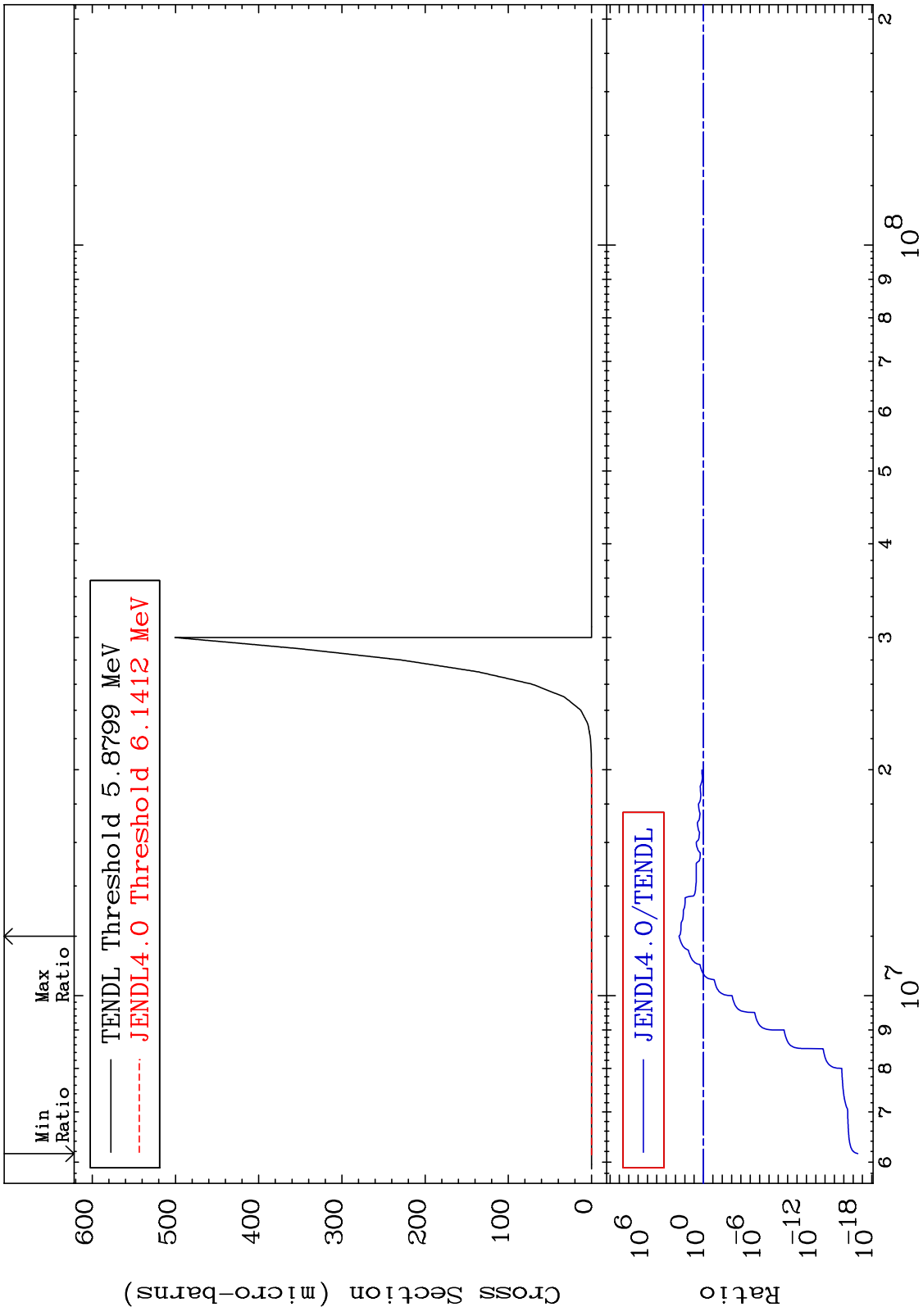
MAT 6637 (n,p) 66-Dy-160  
Cross Section -65.90 To 9999. %





MAT 6637 (n,t) 66-Dy-160  
 Cross Section -100.0 To 9999. %

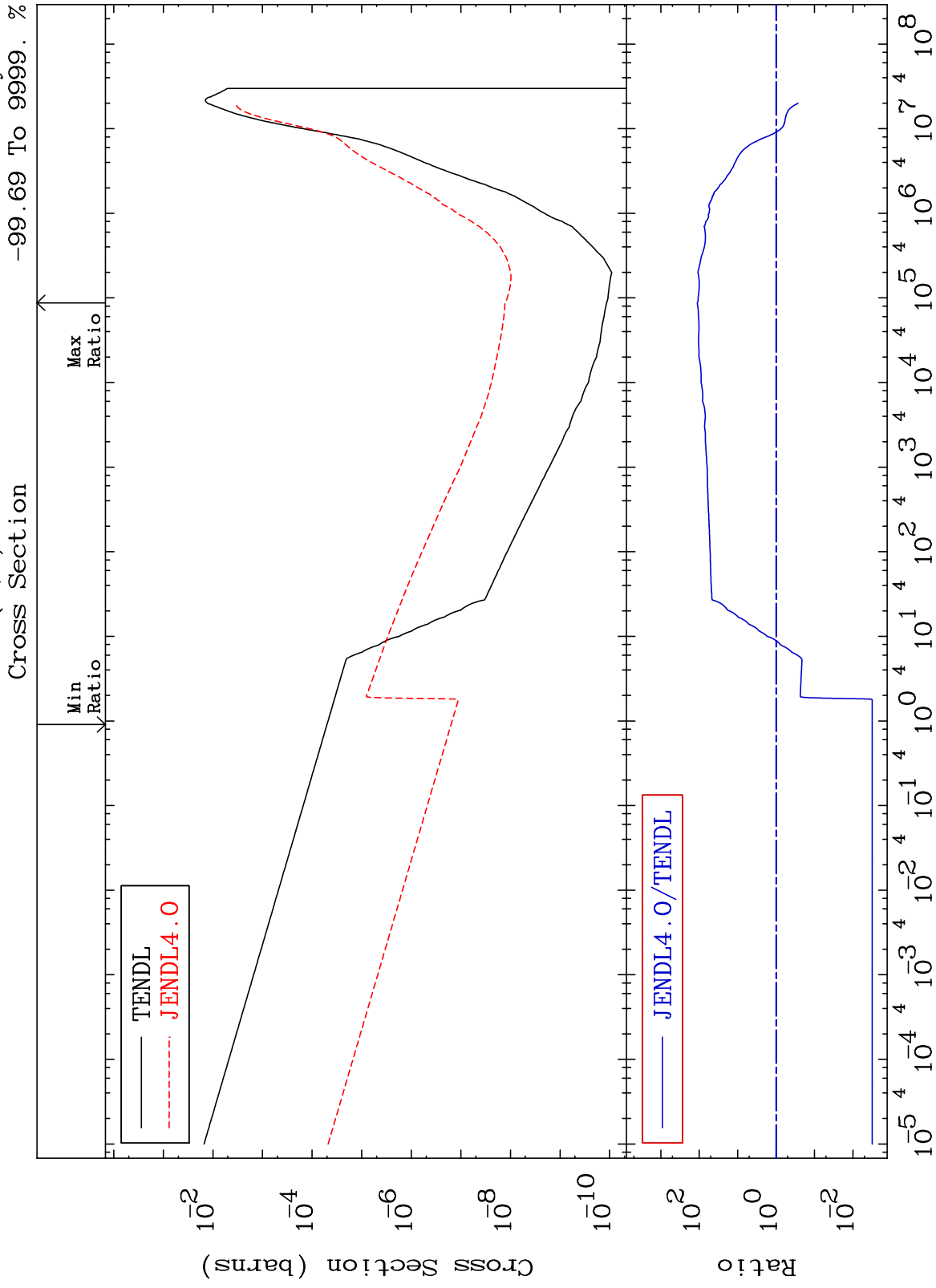




MAT 6637

(n,  $\alpha$ )

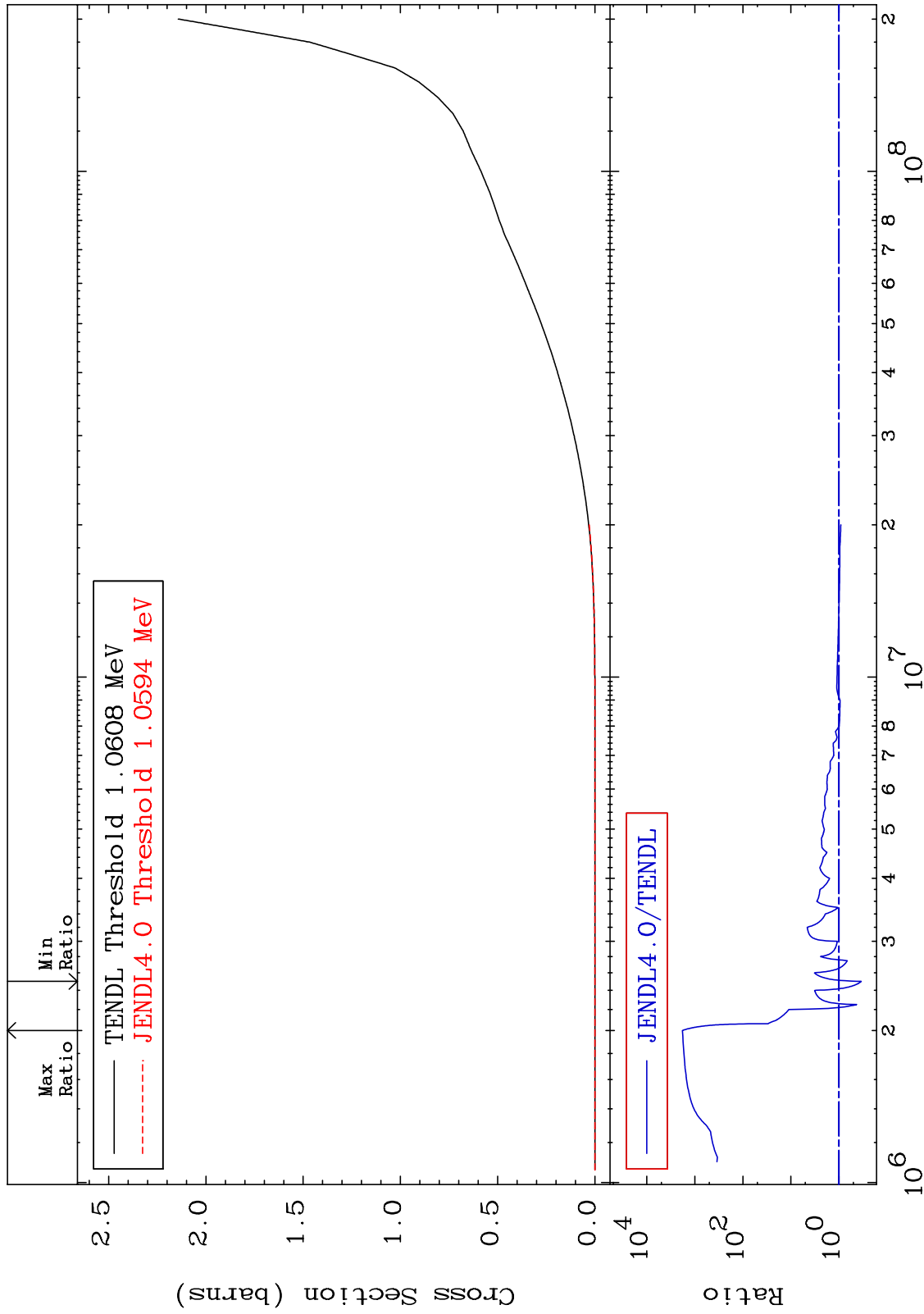
66-Dy-160  
-99.69 To 9999. %



MAT 6637

Hydrogen Production  
Cross Section

66-Dy-160  
-65.90 To 9999. %



47

Incident Energy (eV)

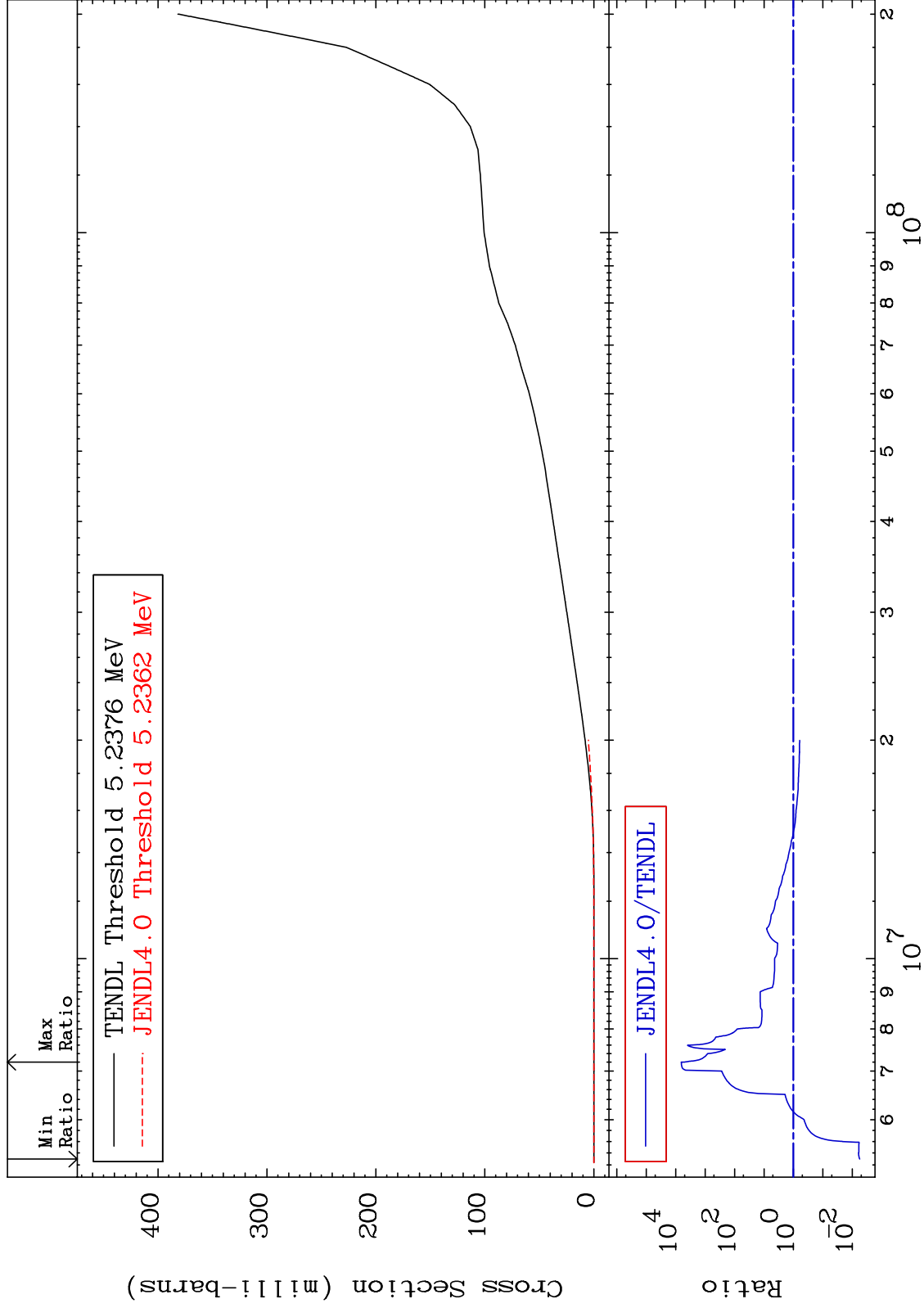
66-Dy-160



MAT 6637

Deuterium Production  
Cross Section

66-Dy-160  
-99.44 To 9999. %



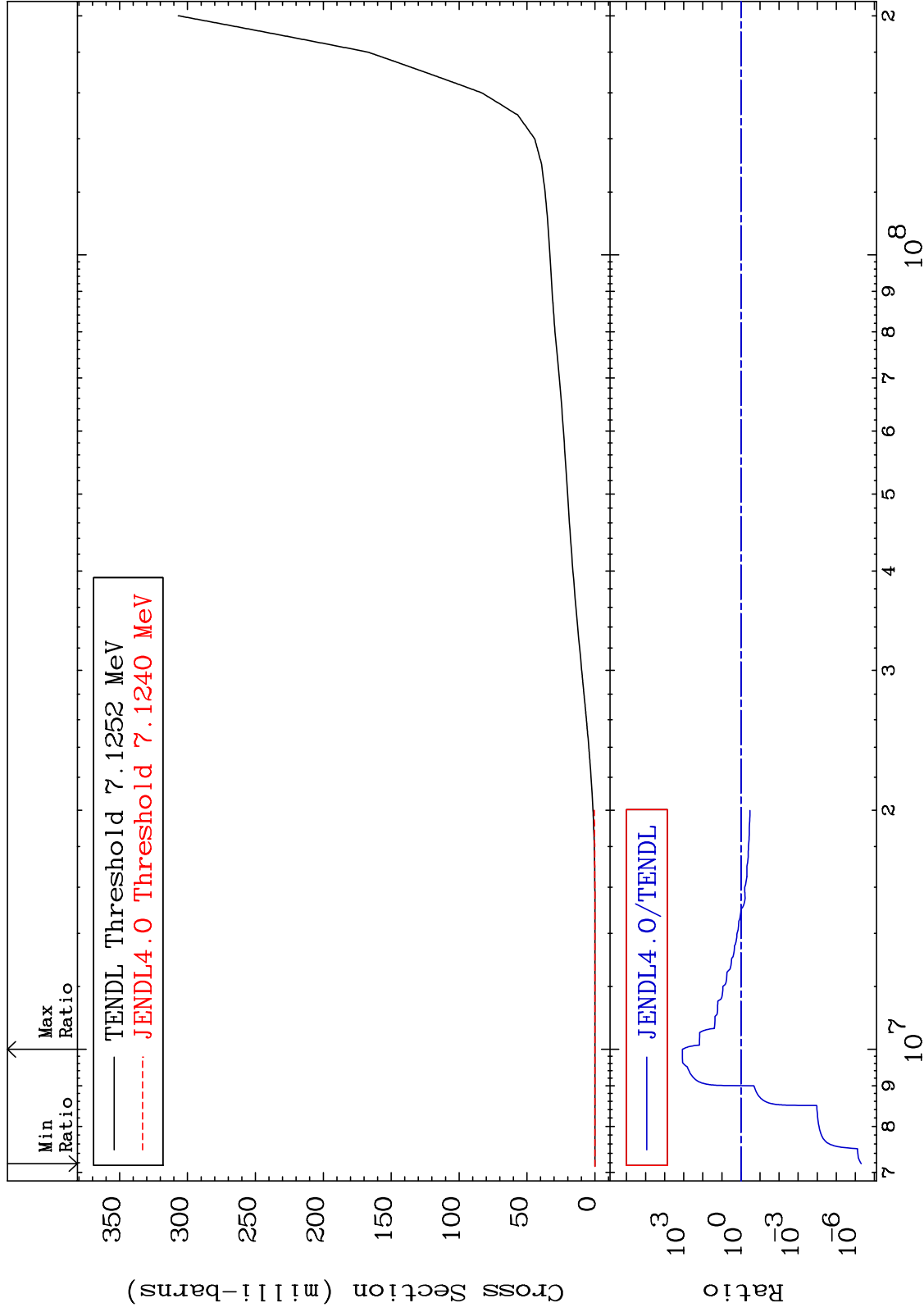
48

66-Dy-160

MAT 6637

Tritium Production  
Cross Section

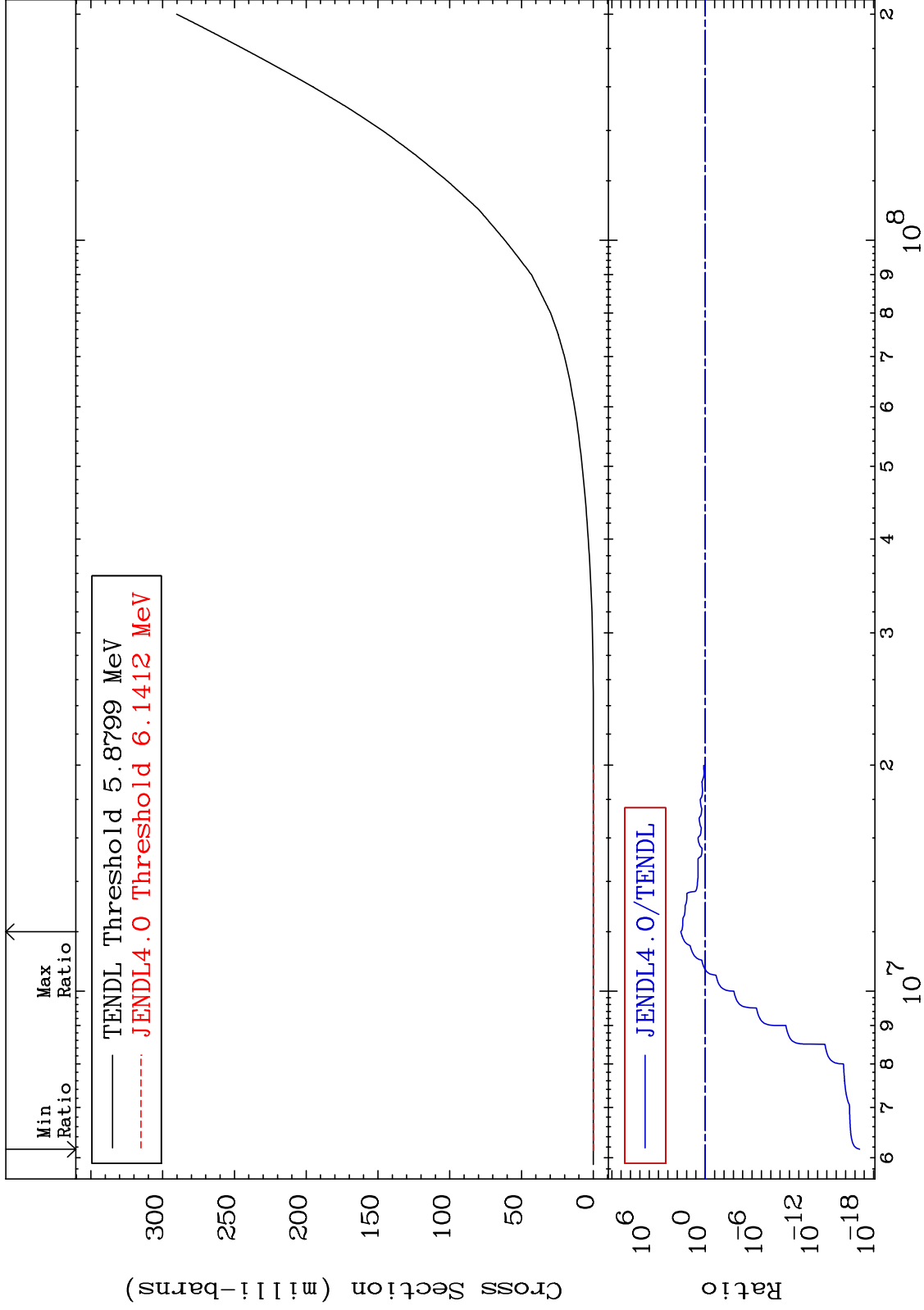
66-Dy-160  
-100.0 To 9999. %



MAT 6637

He-3 Production  
Cross Section

66-Dy-160  
-100.0 To 9999. %



50

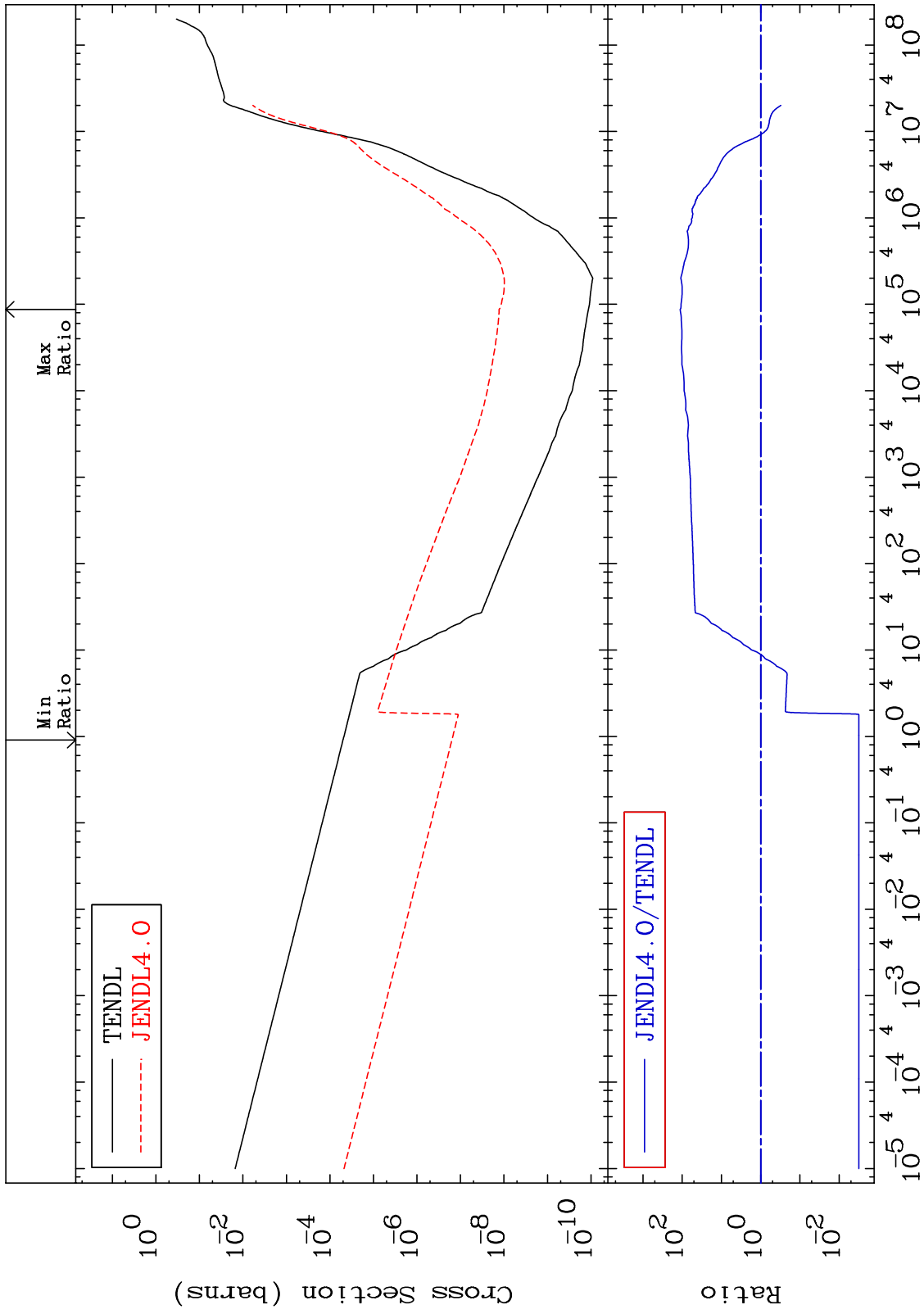
Incident Energy (eV)

66-Dy-160

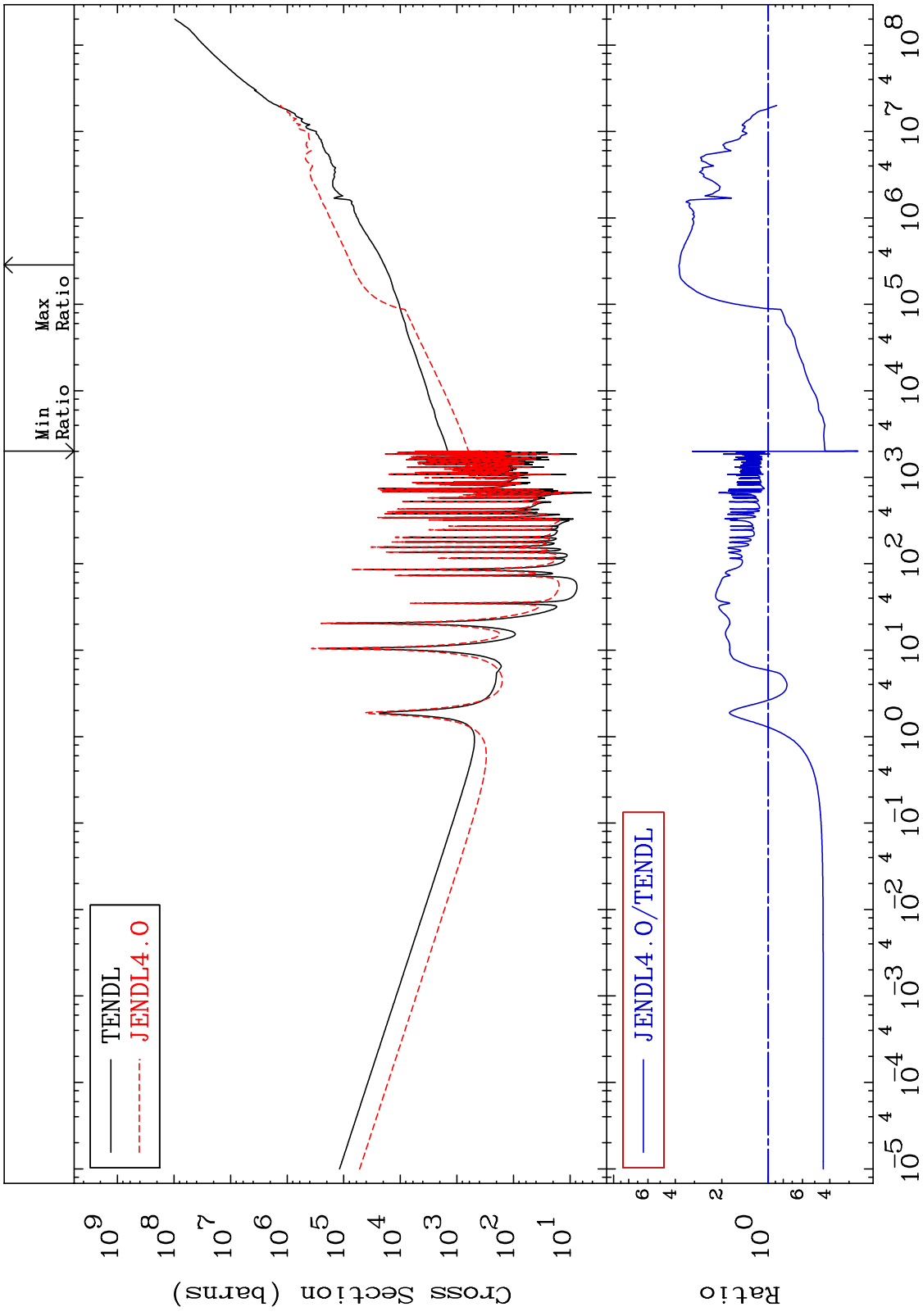
MAT 6637

He-4 Production  
Cross Section

66-Dy-160  
-99.69 To 9999. %



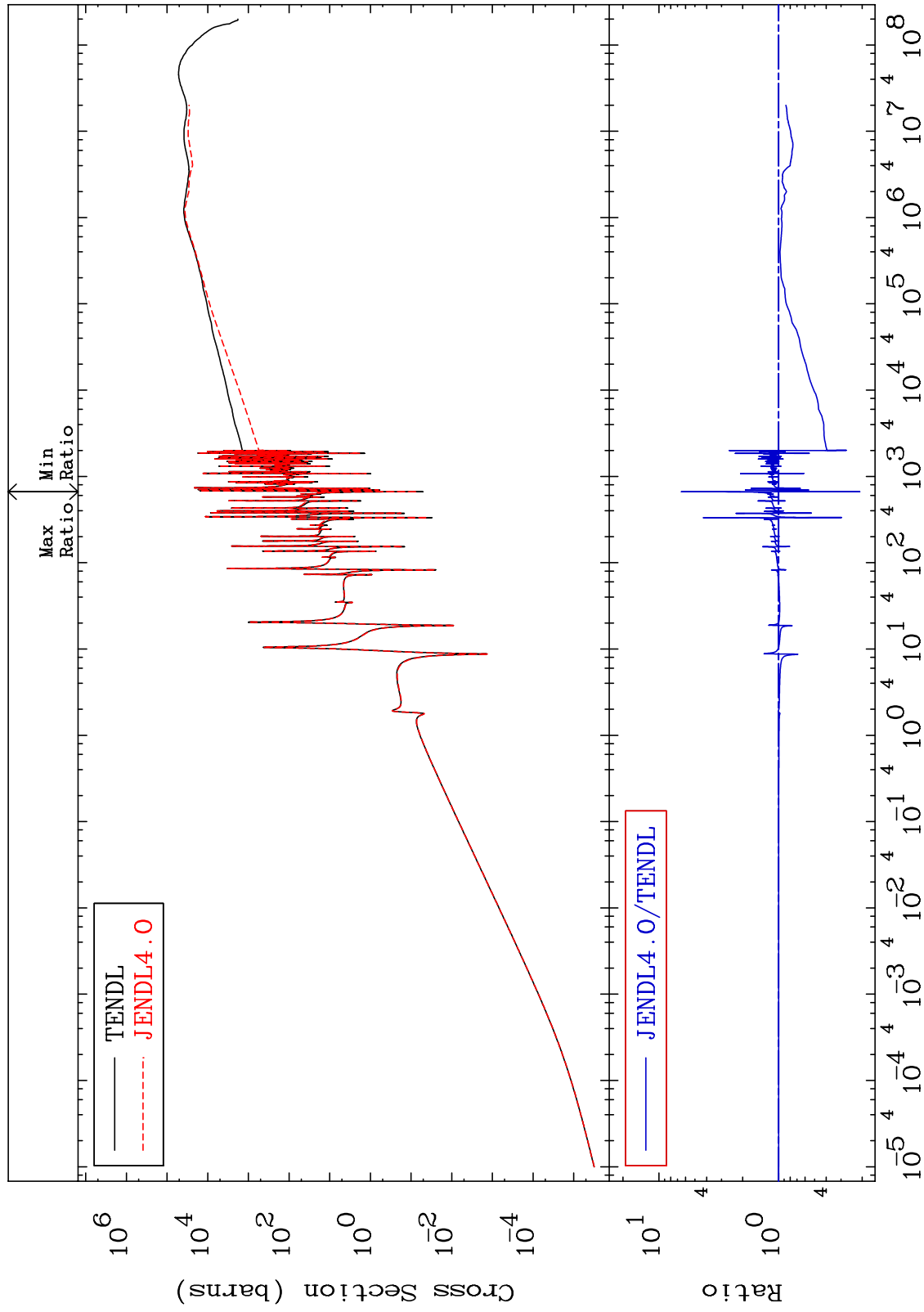
MAT 6637 Kerma total (eV-barns) 66-Dy-160  
 Cross Section -73.66 To 277.7 %



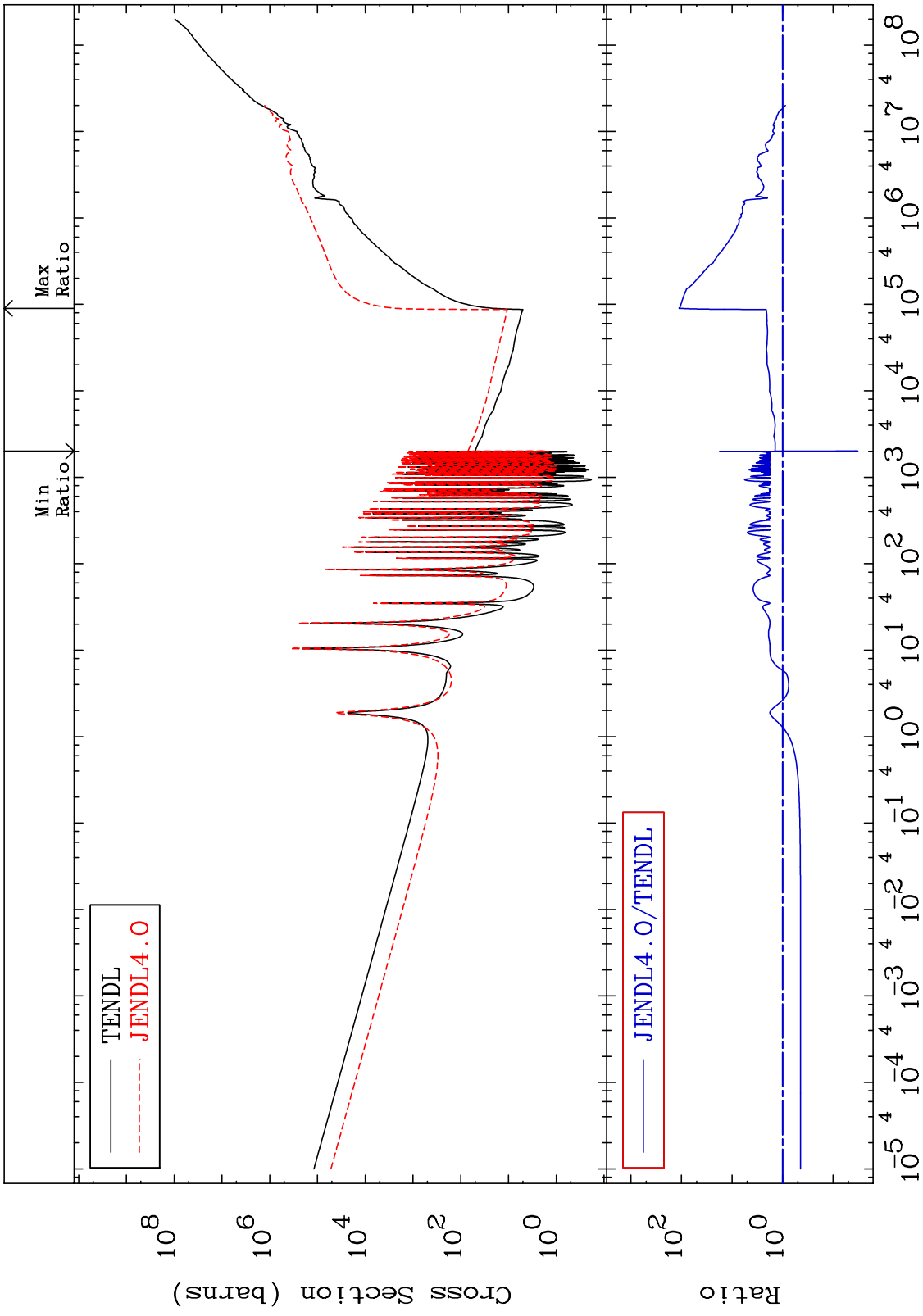
MAT 6637

Kerma elastic  
Cross Section

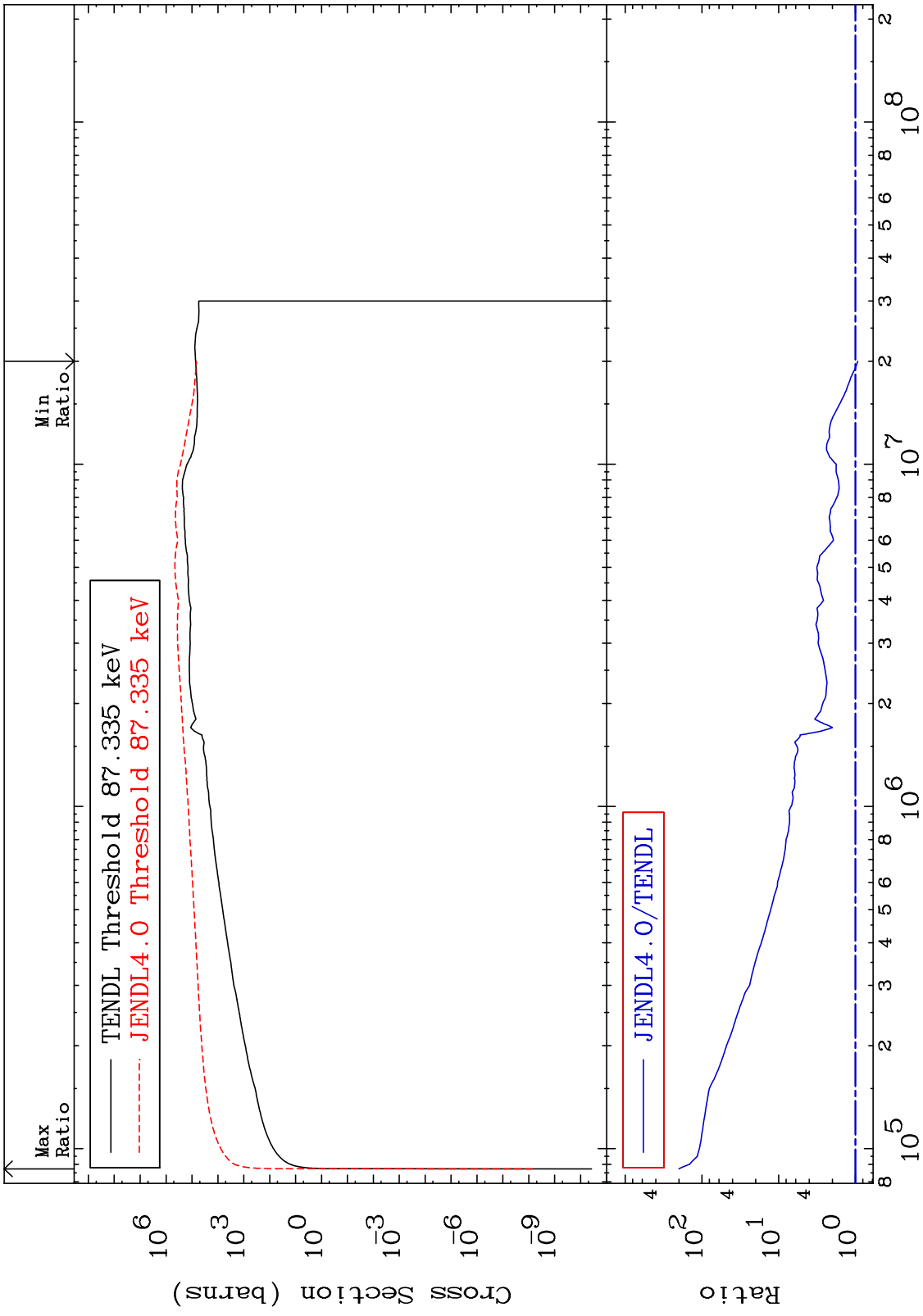
66-Dy-160  
-79.11 To 549.1 %



MAT 6637 Kerma non-elastic (all but mt.2) Cross Section 66-Dy-160  
 -96.75 To 9999. %



MAT 6637 Kerma inelastic (mt51-91) 66-Dy-160  
 Cross Section -6.979 To 9999. %



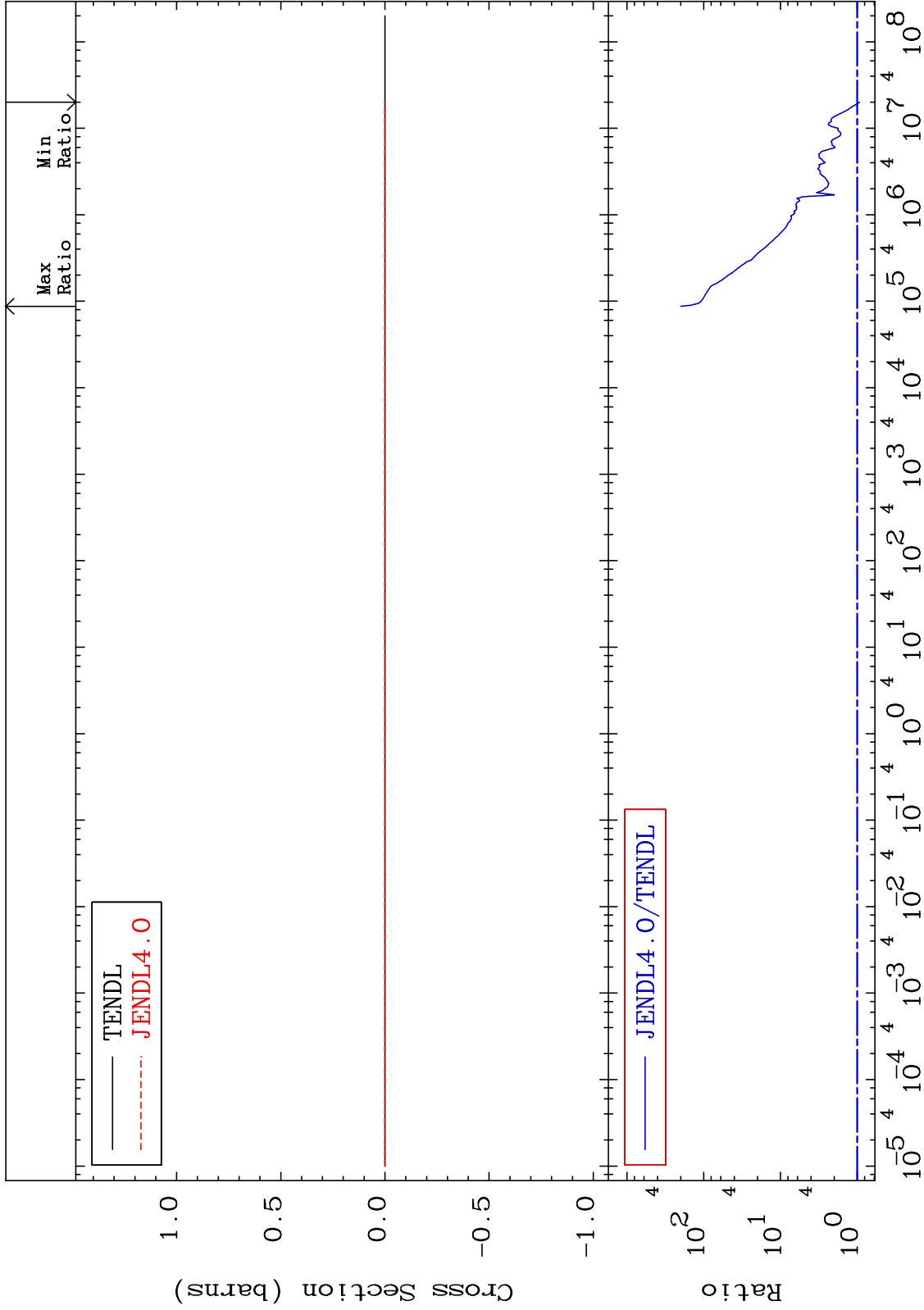
55 66-Dy-160



MAT 6637

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

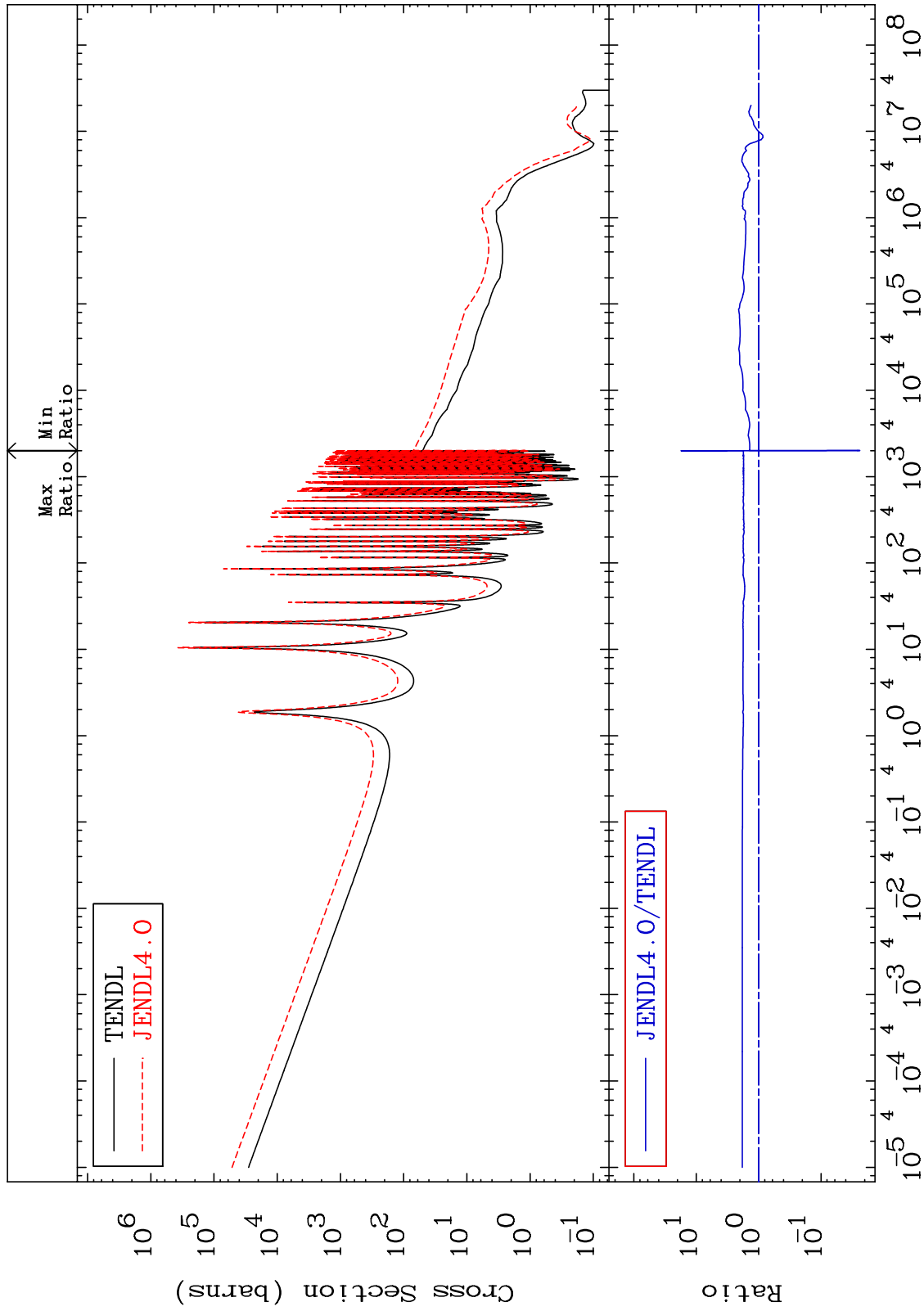
66-Dy-160  
-6.979 To 9999. %



MAT 6637

Kerma capture (mt102)  
Cross Section

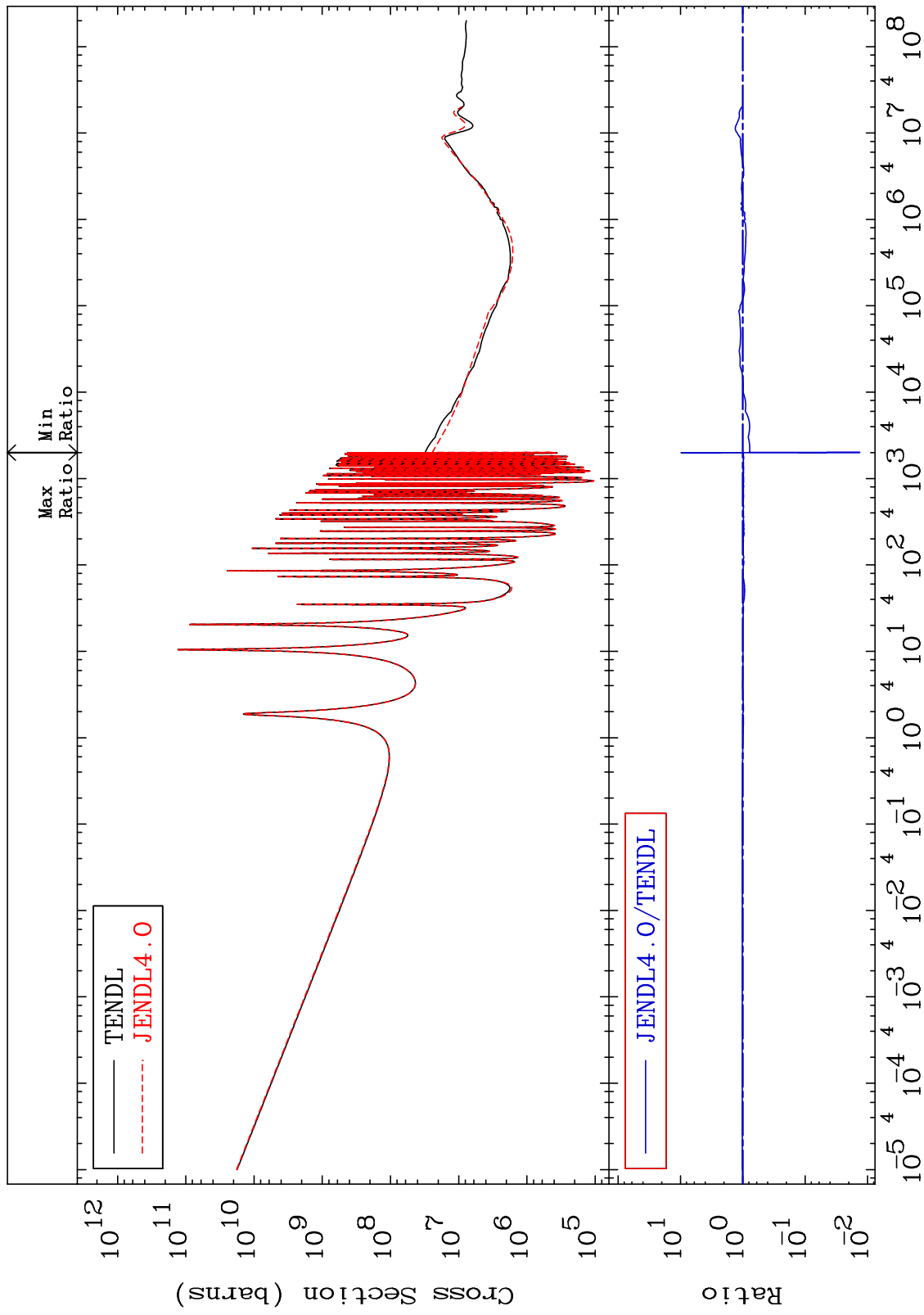
66-Dy-160  
-97.61 To 1642. %



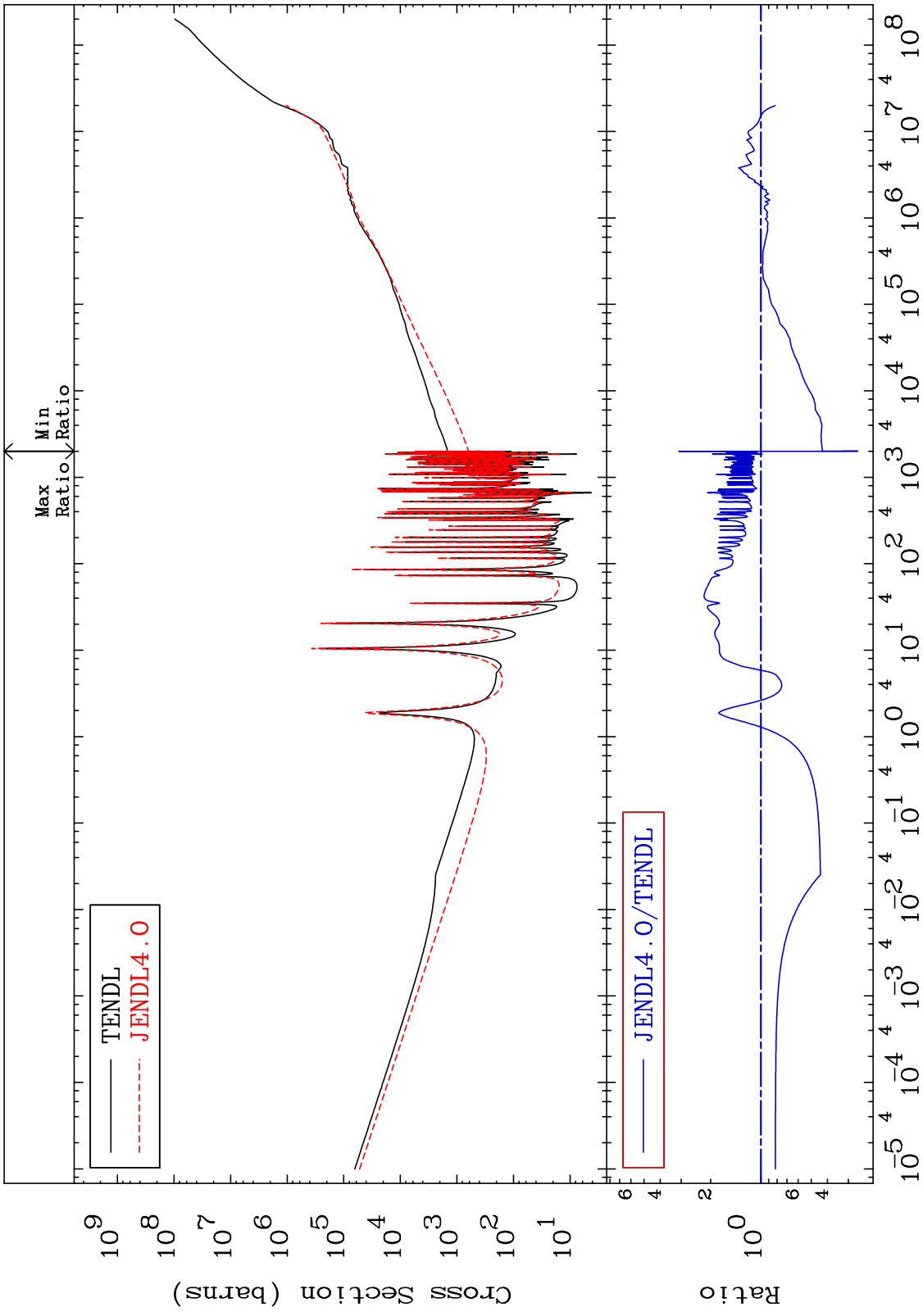
MAT 6637

Total photon (eV-barns)  
Cross Section

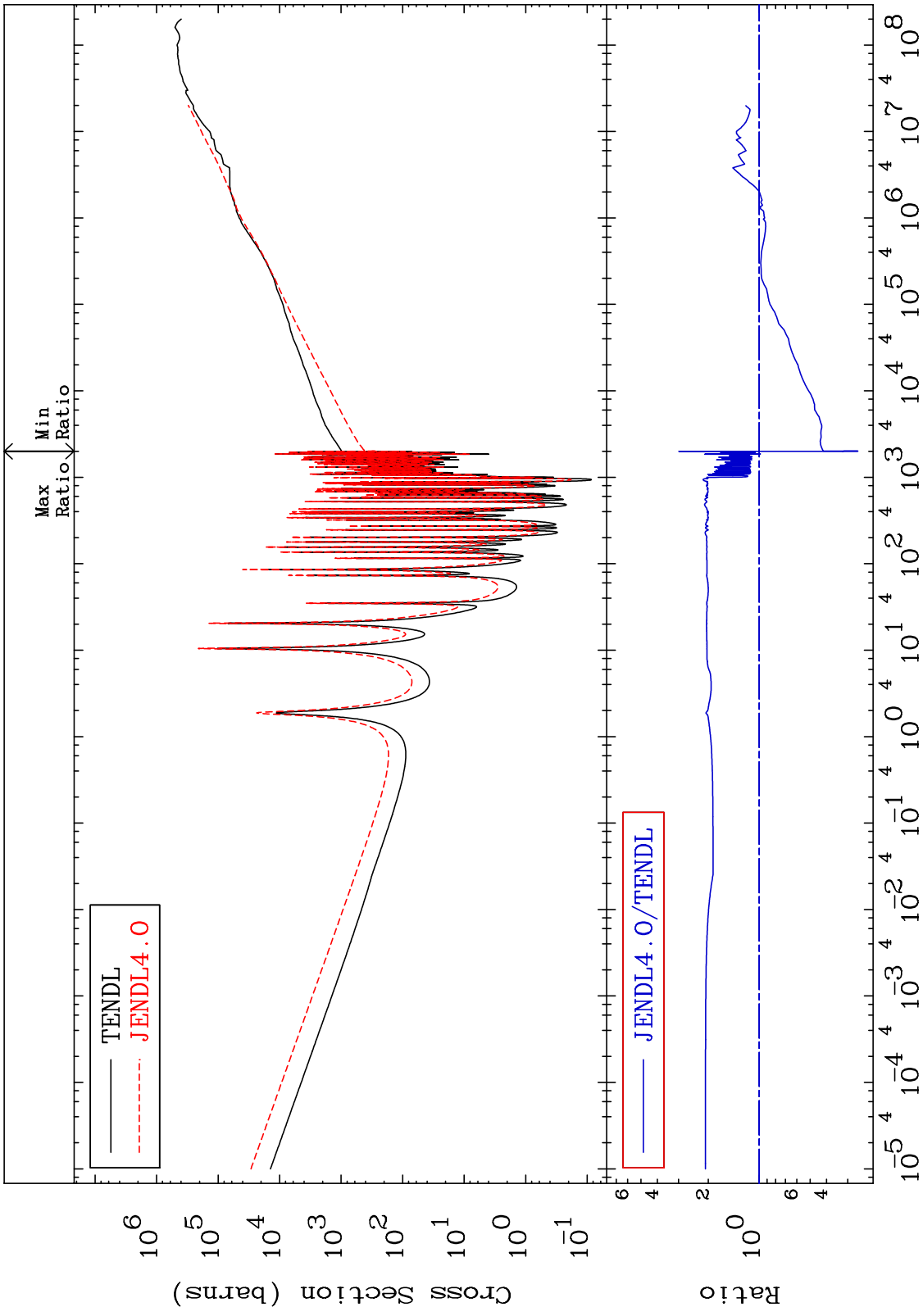
66-Dy-160  
-98.67 To 871.0 %



MAT 6637 Total kinematic kerma (high limit) 66-Dy-160  
 Cross Section -73.66 To 208.9 %



MAT 6637      Dpa total (eV-barns)      66-Dy-160  
Cross Section      -73.84 To 197.9 %

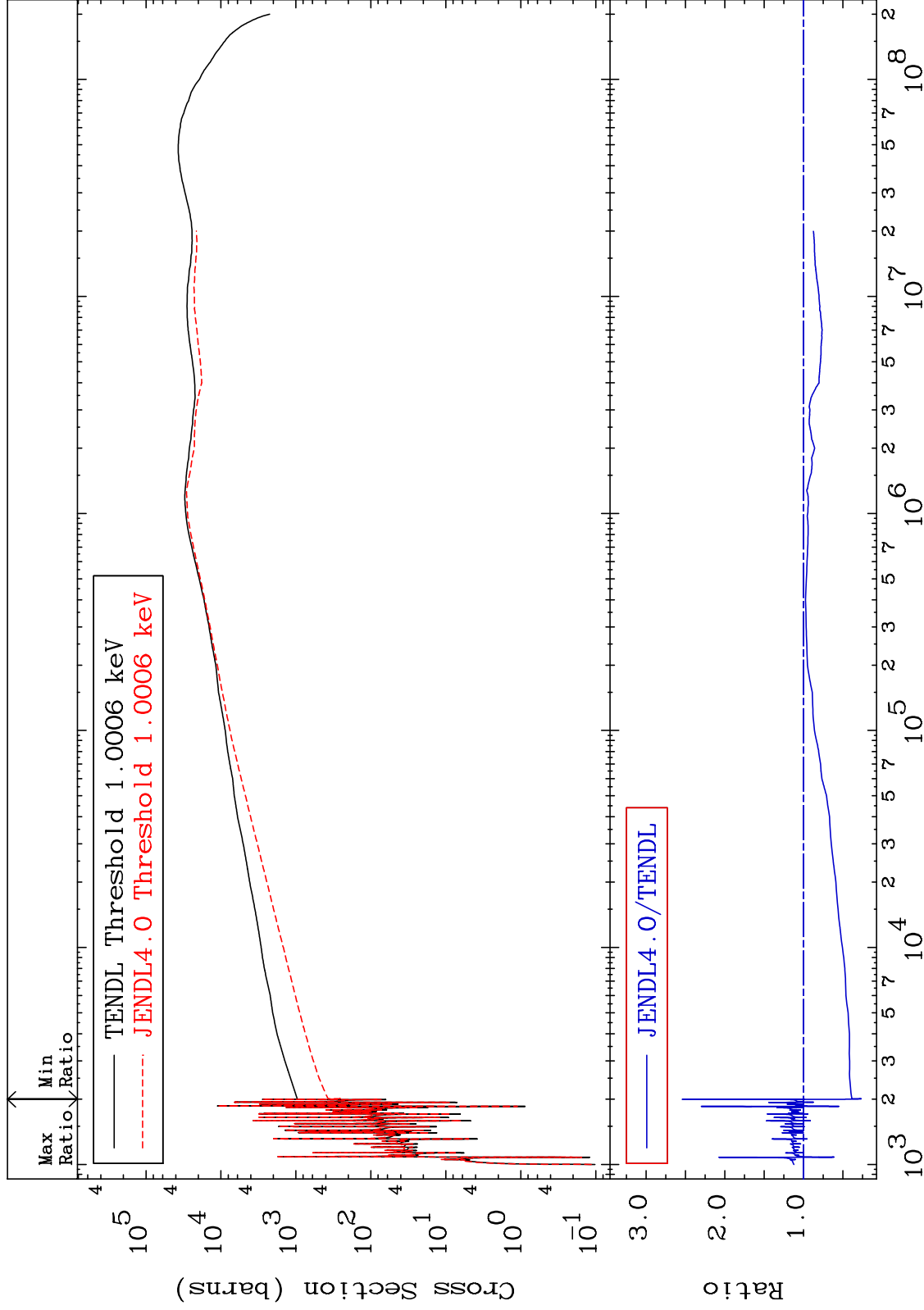


60      Incident Energy (eV)      66-Dy-160

MAT 6637

Dpa elastic (mt2)  
Cross Section

66-Dy-160  
-73.27 To 153.8 %



61

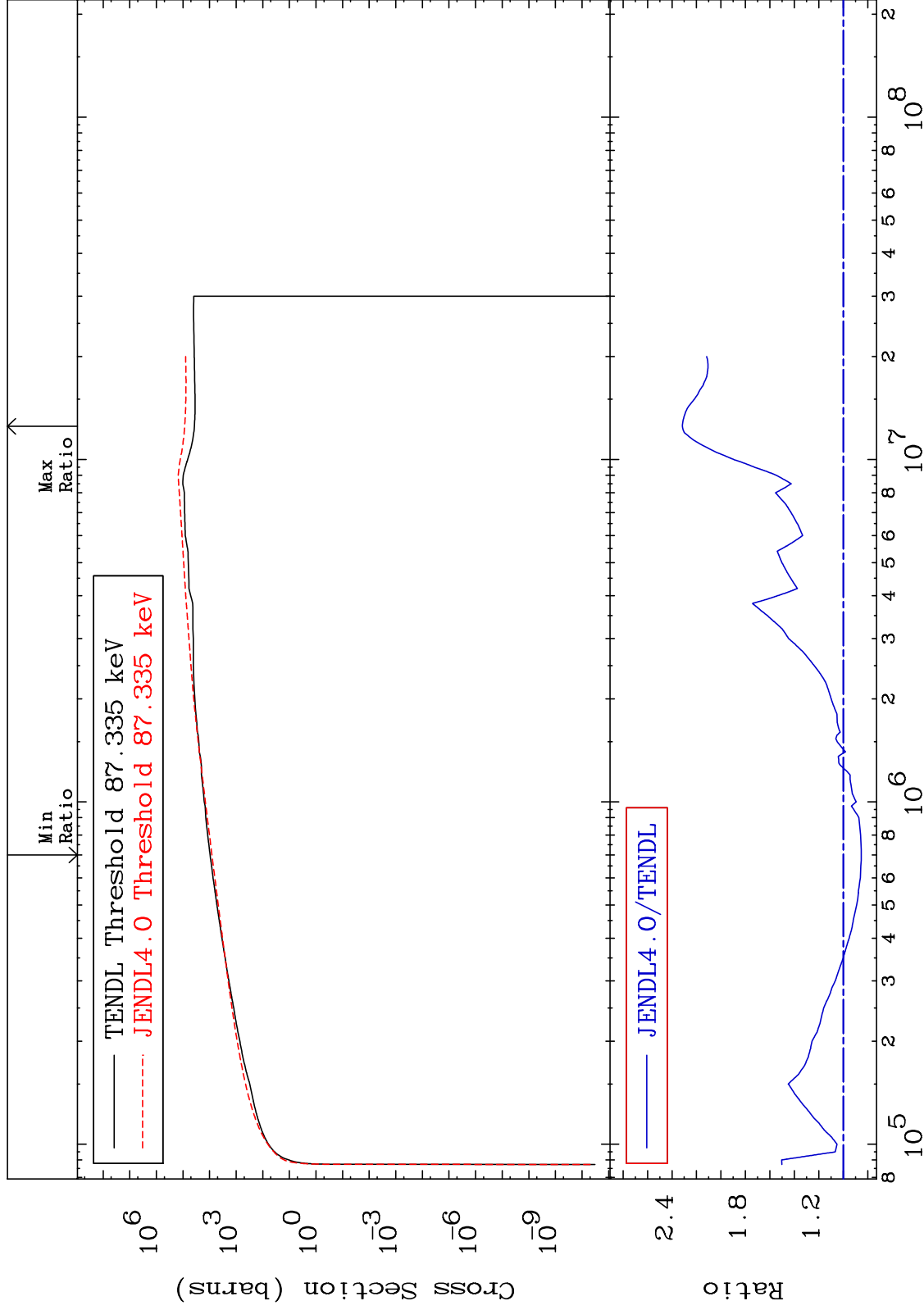
Incident Energy (eV)

66-Dy-160

MAT 6637

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-160  
-14.75 To 131.5 %



62

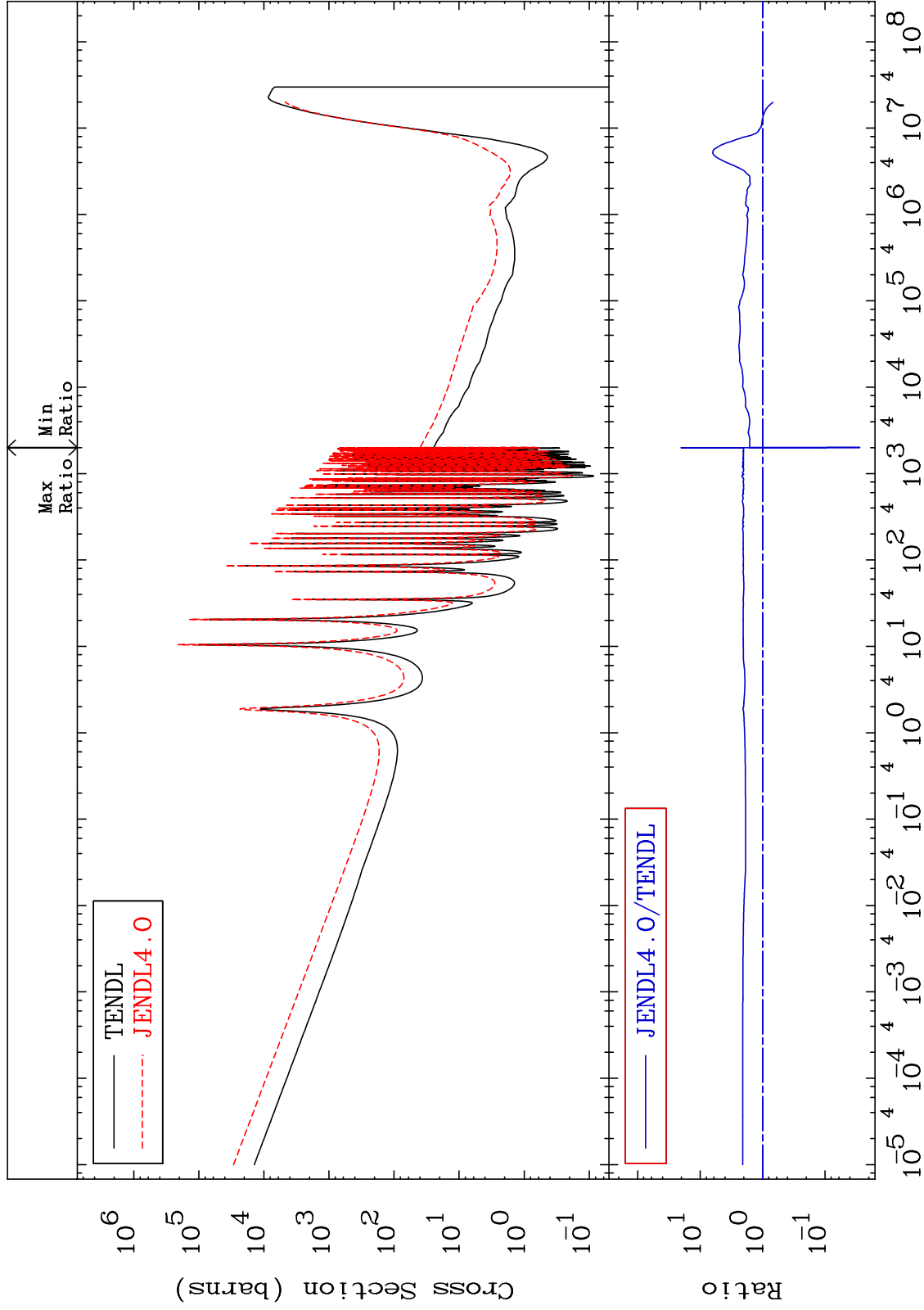
Incident Energy (eV)

66-Dy-160

MAT 6637

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-160  
-97.21 To 1906. %



63

Incident Energy (eV)

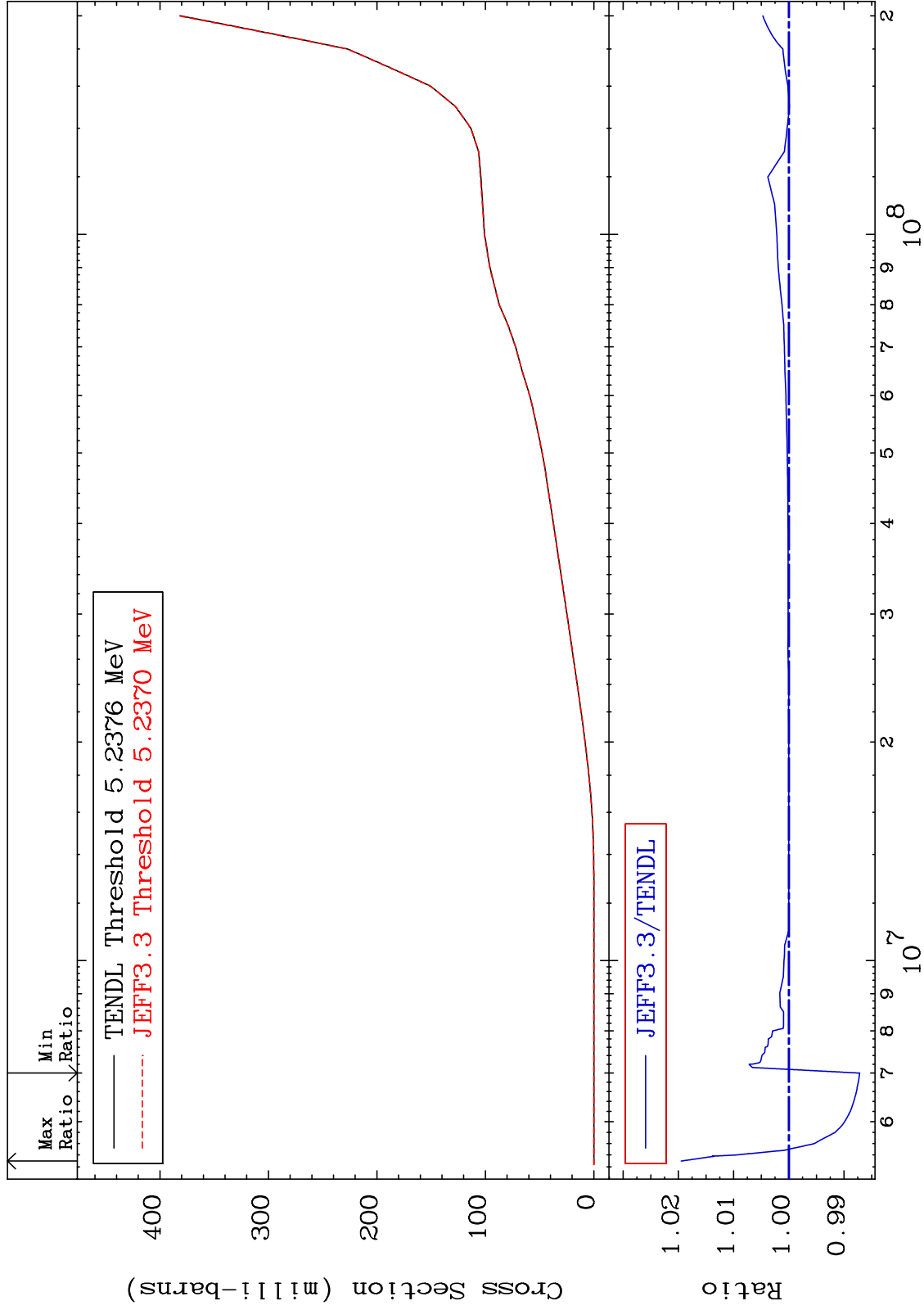
66-Dy-160



MAT 6637

Deuterium Production  
Cross Section

66-Dy-160  
-1.285 To 1.948 %

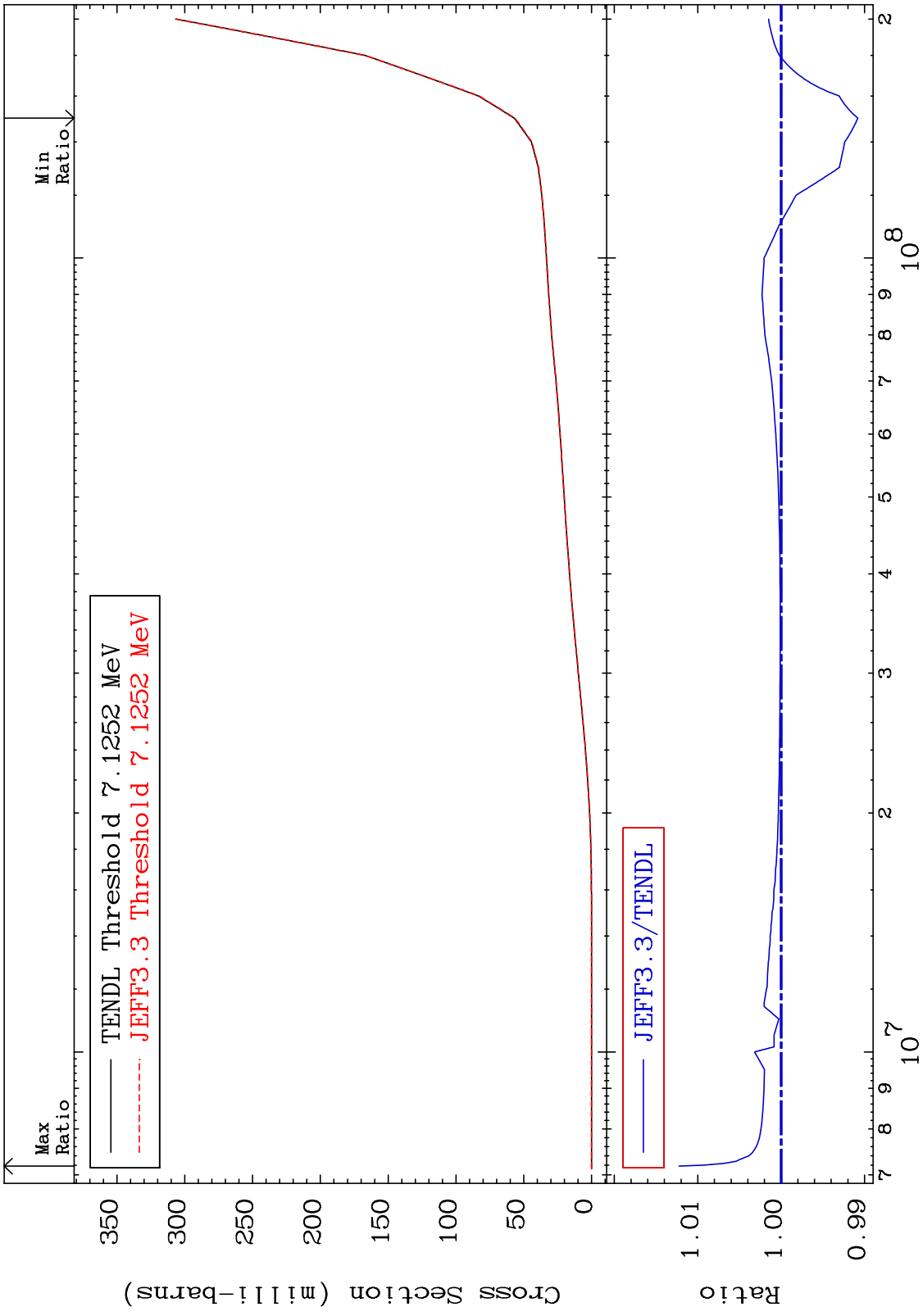


64

Incident Energy (eV)

66-Dy-160

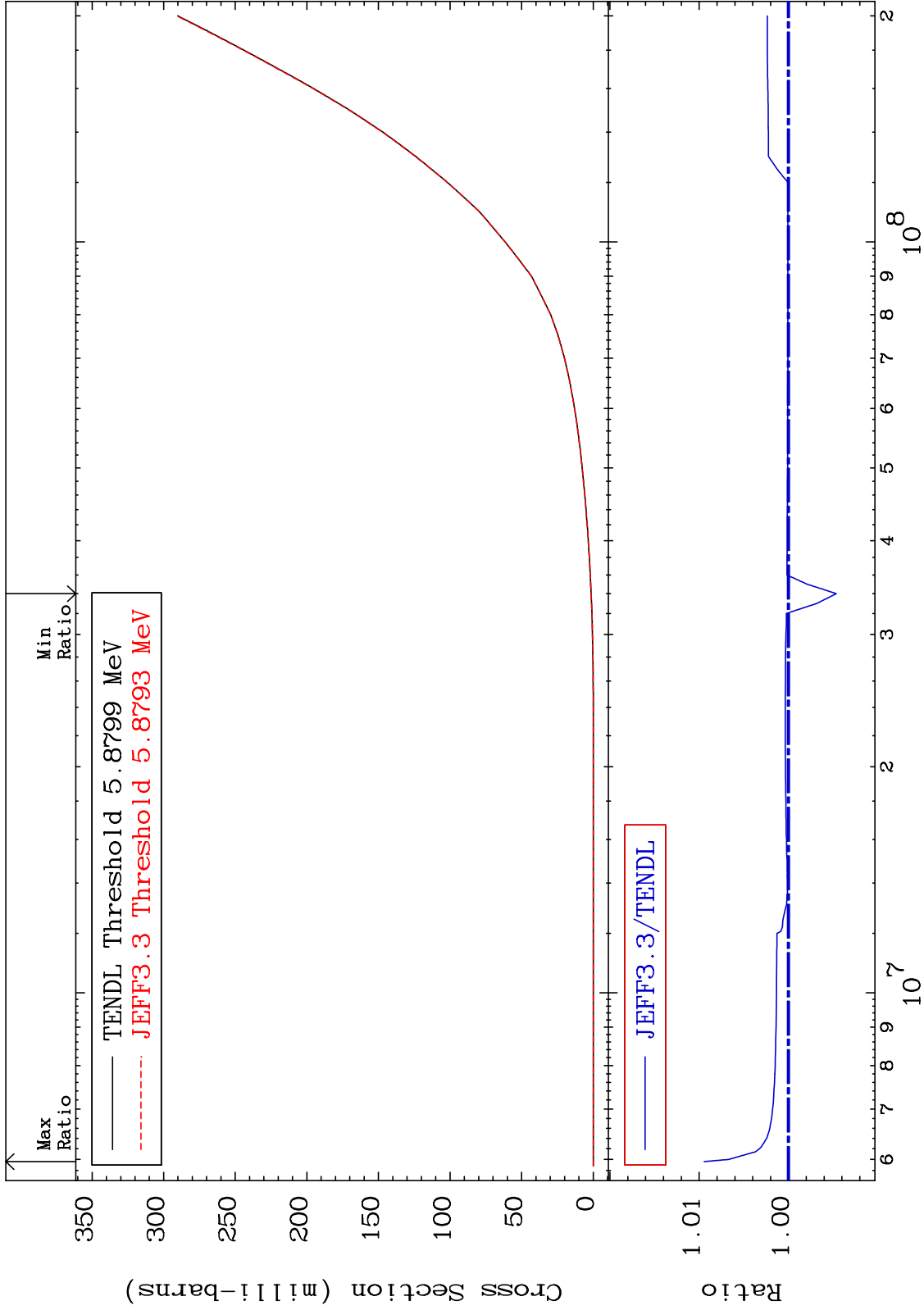
MAT 6637 Tritium Production Cross Section 66-Dy-160  
 -0.919 To 1.224 %



MAT 6637

He-3 Production  
Cross Section

66-Dy-160  
-0.536 To 0.944 %



66

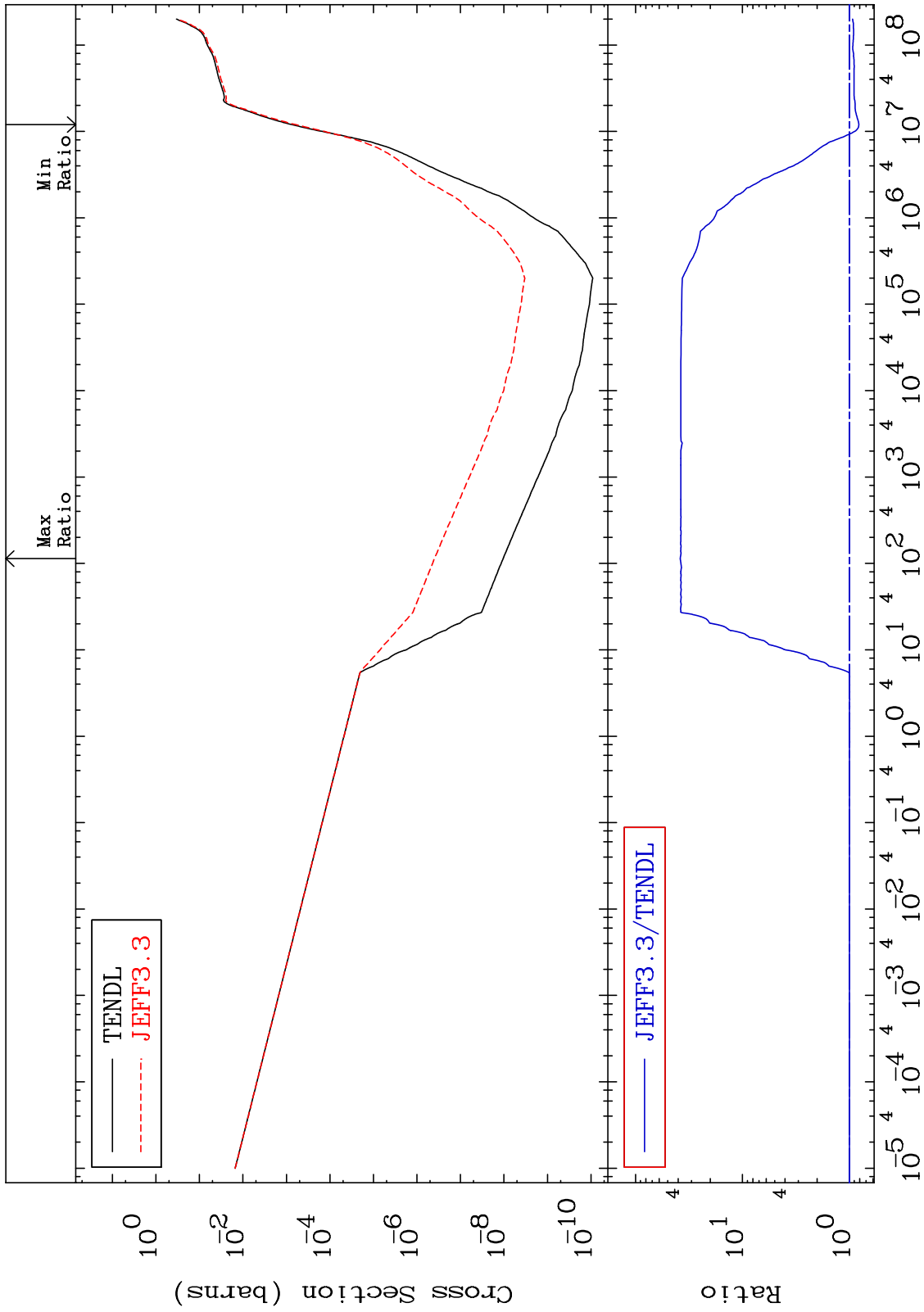
Incident Energy (eV)

66-Dy-160

MAT 6637

He-4 Production  
Cross Section

66-Dy-160  
-18.50 To 3723. %



67

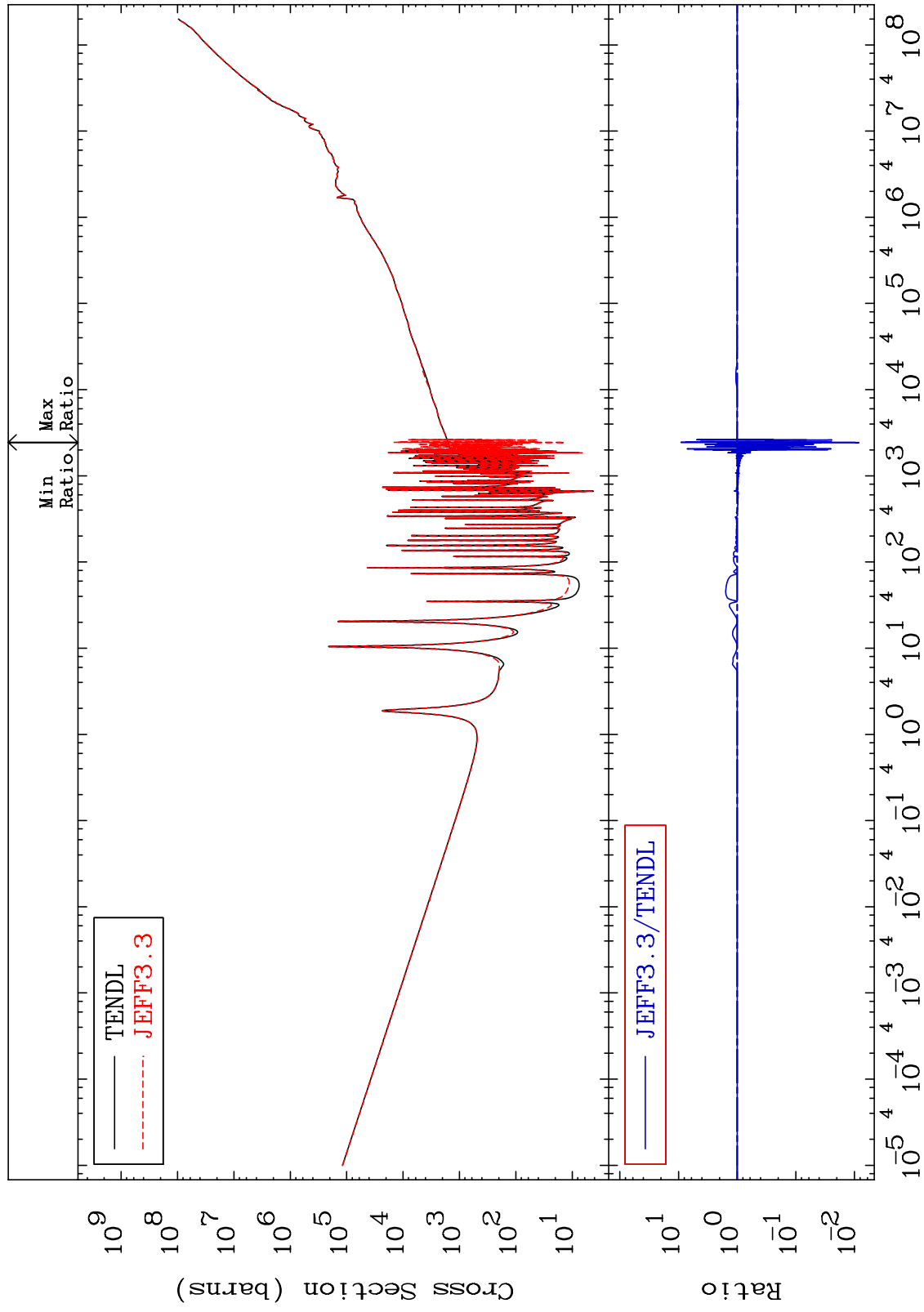
Incident Energy (eV)

66-Dy-160

MAT 6637

Kerma total (eV-barns)  
Cross Section

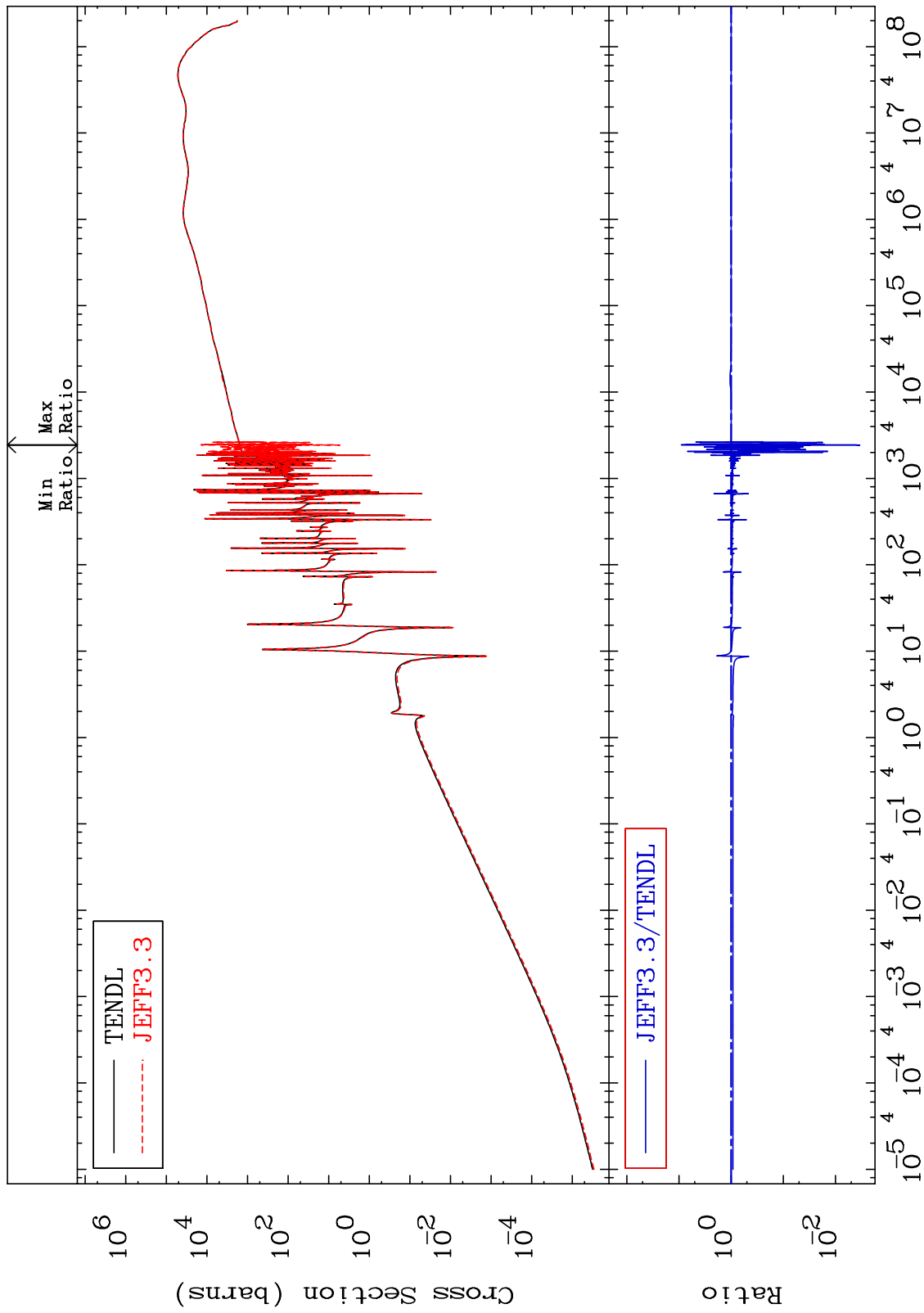
66-Dy-160  
-99.17 To 812.1 %



MAT 6637

Kerma elastic  
Cross Section

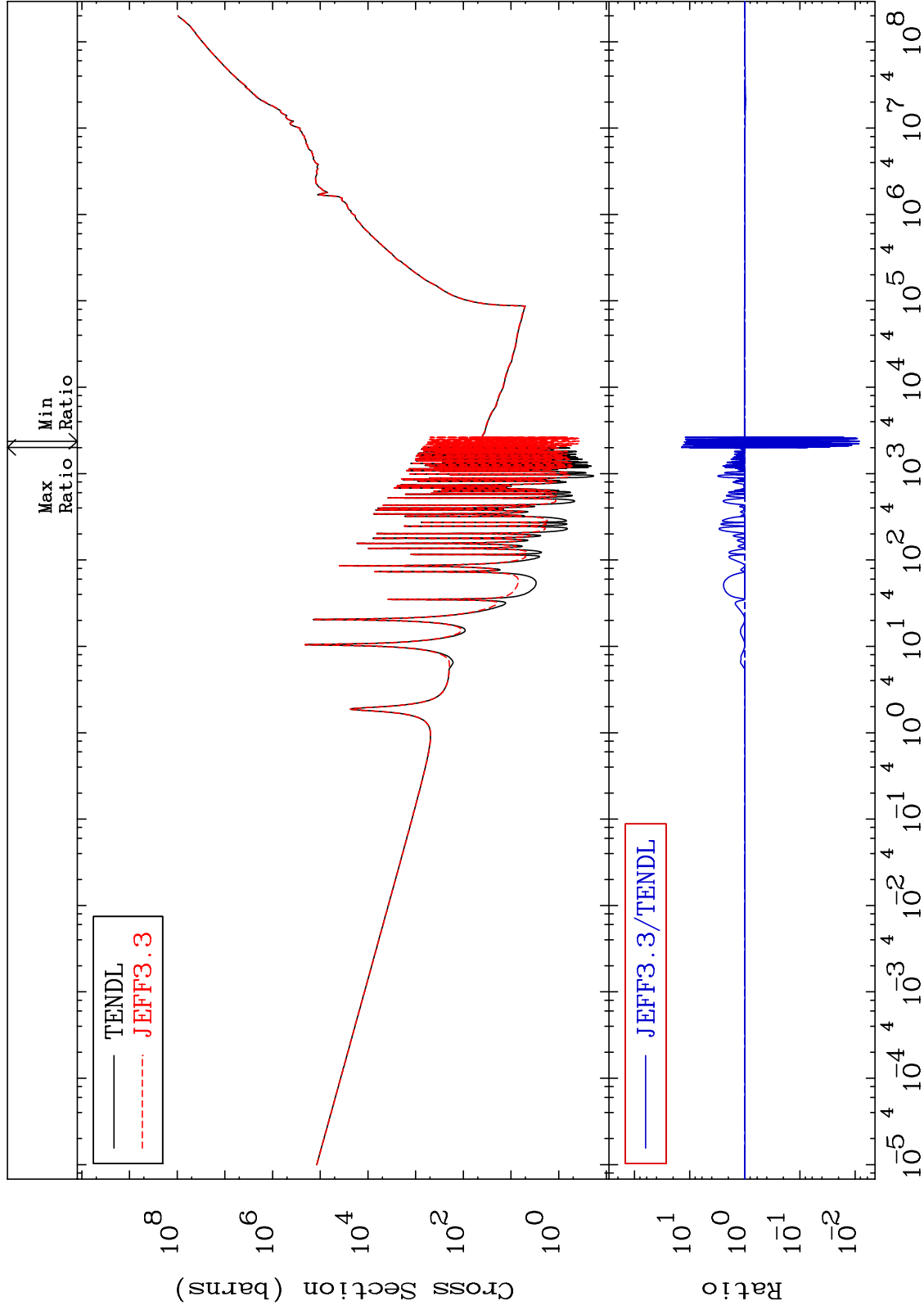
66-Dy-160  
-99.66 To 806.3 %



MAT 6637

Kerma non-elastic (all but mt2)  
Cross Section

66-Dy-160  
-99.18 To 1323. %

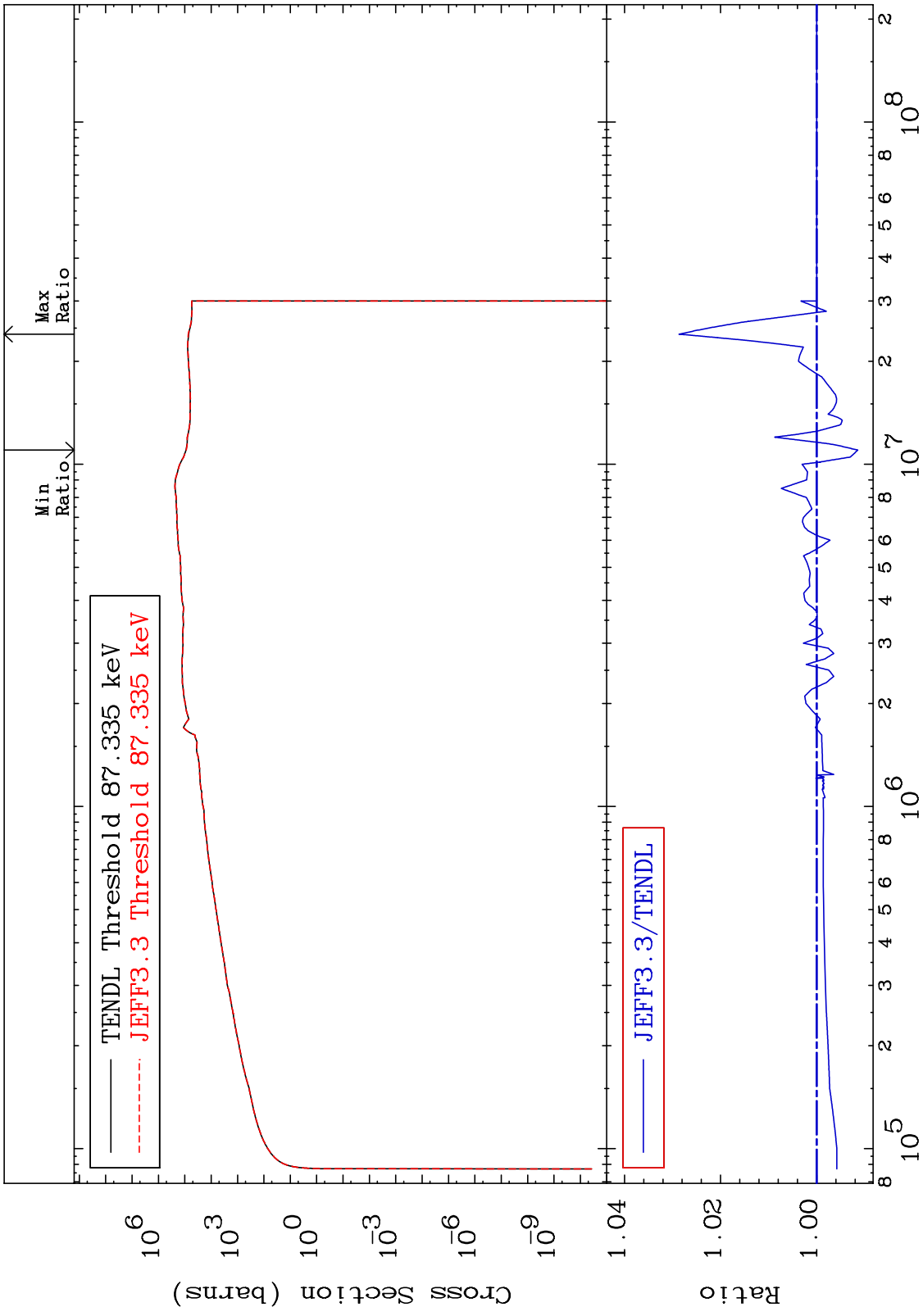


70

Incident Energy (eV)

66-Dy-160

MAT 6637 Kerma inelastic (mt51-91) 66-Dy-160  
Cross Section -0.857 To 2.864 %



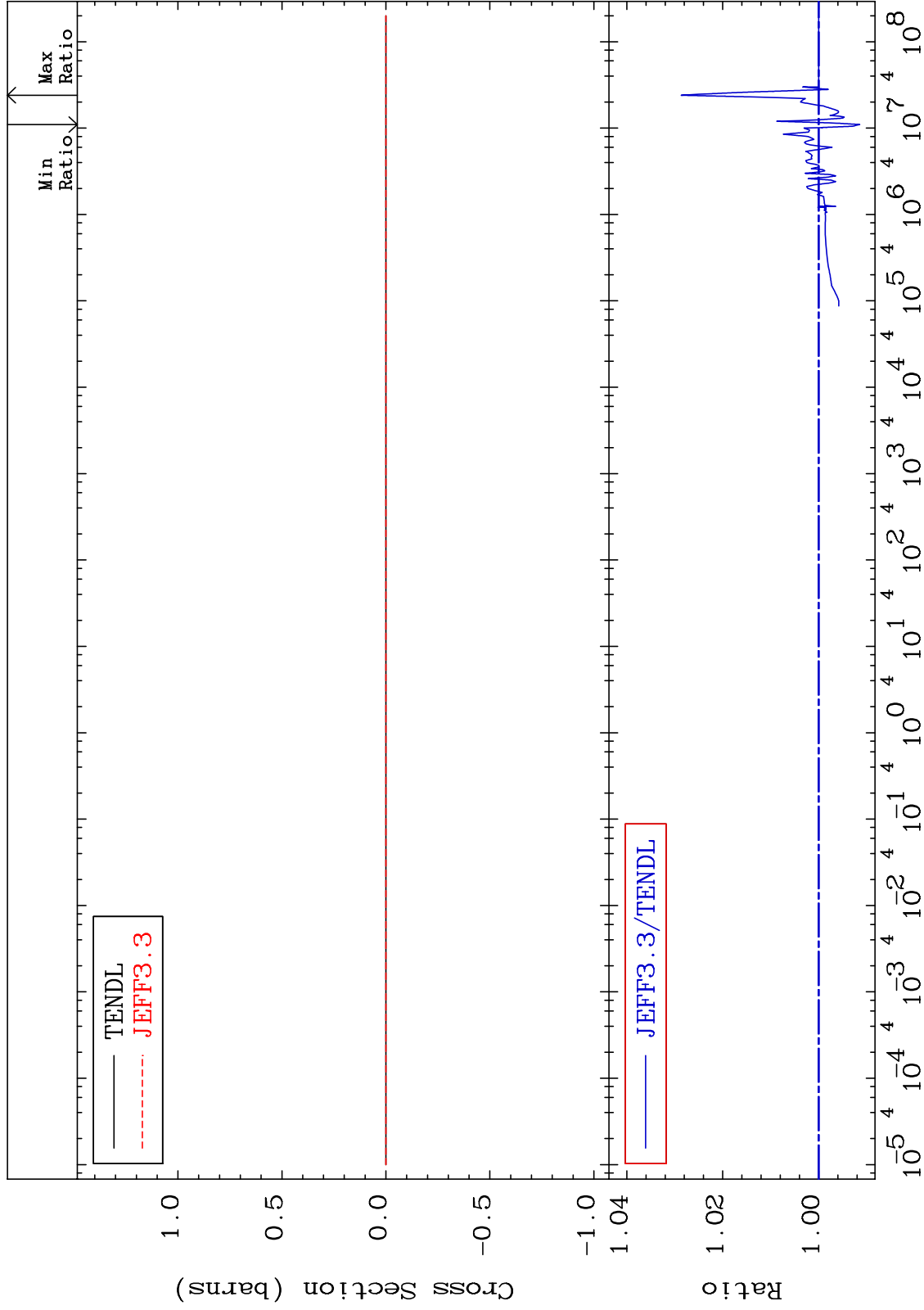
71 Incident Energy (eV) 66-Dy-160



MAT 6637

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

66-Dy-160  
-0.857 To 2.864 %



72

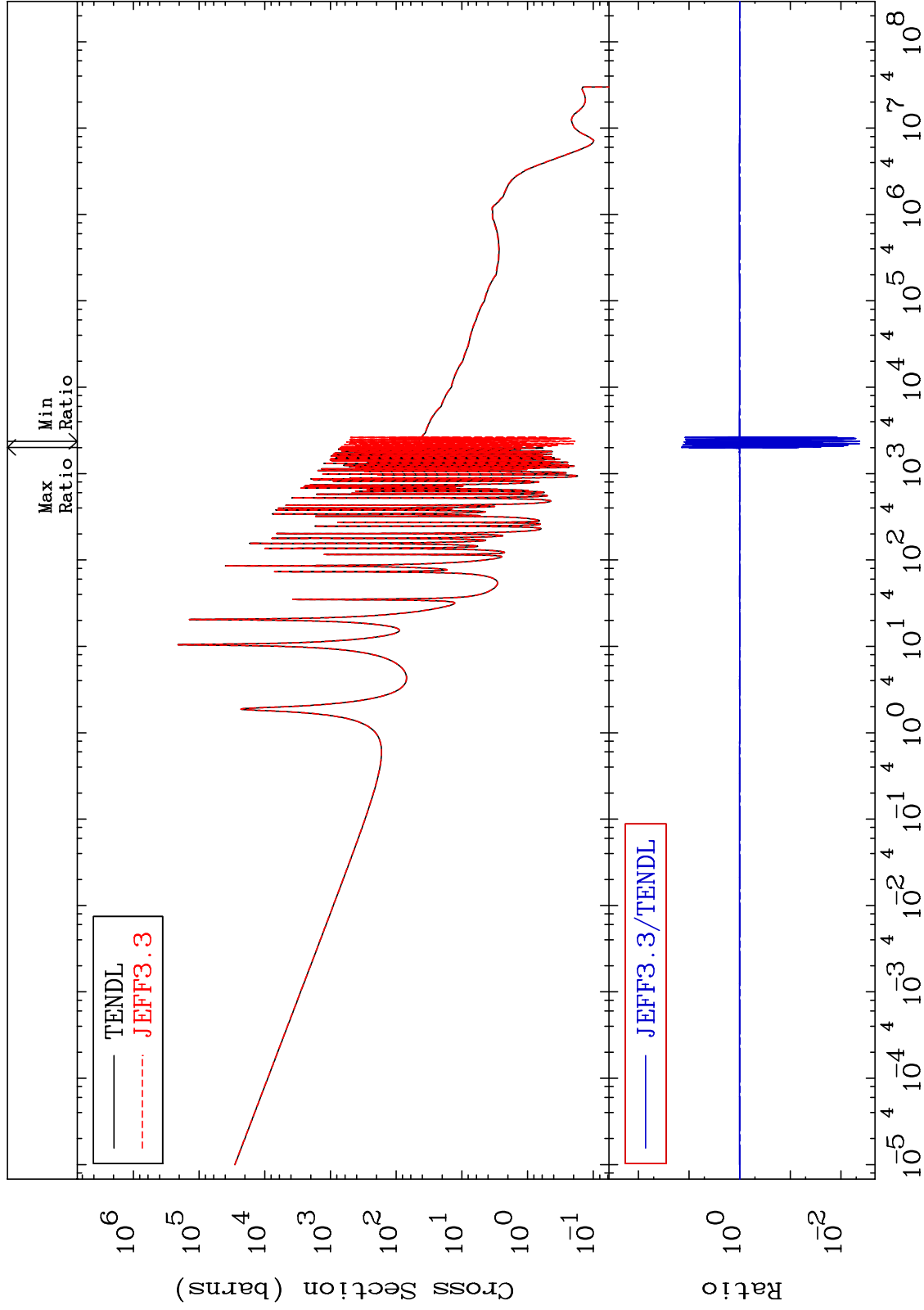
Incident Energy (eV)

66-Dy-160

MAT 6637

Kerma capture (mt102)  
Cross Section

66-Dy-160  
-99.58 To 1323. %



73

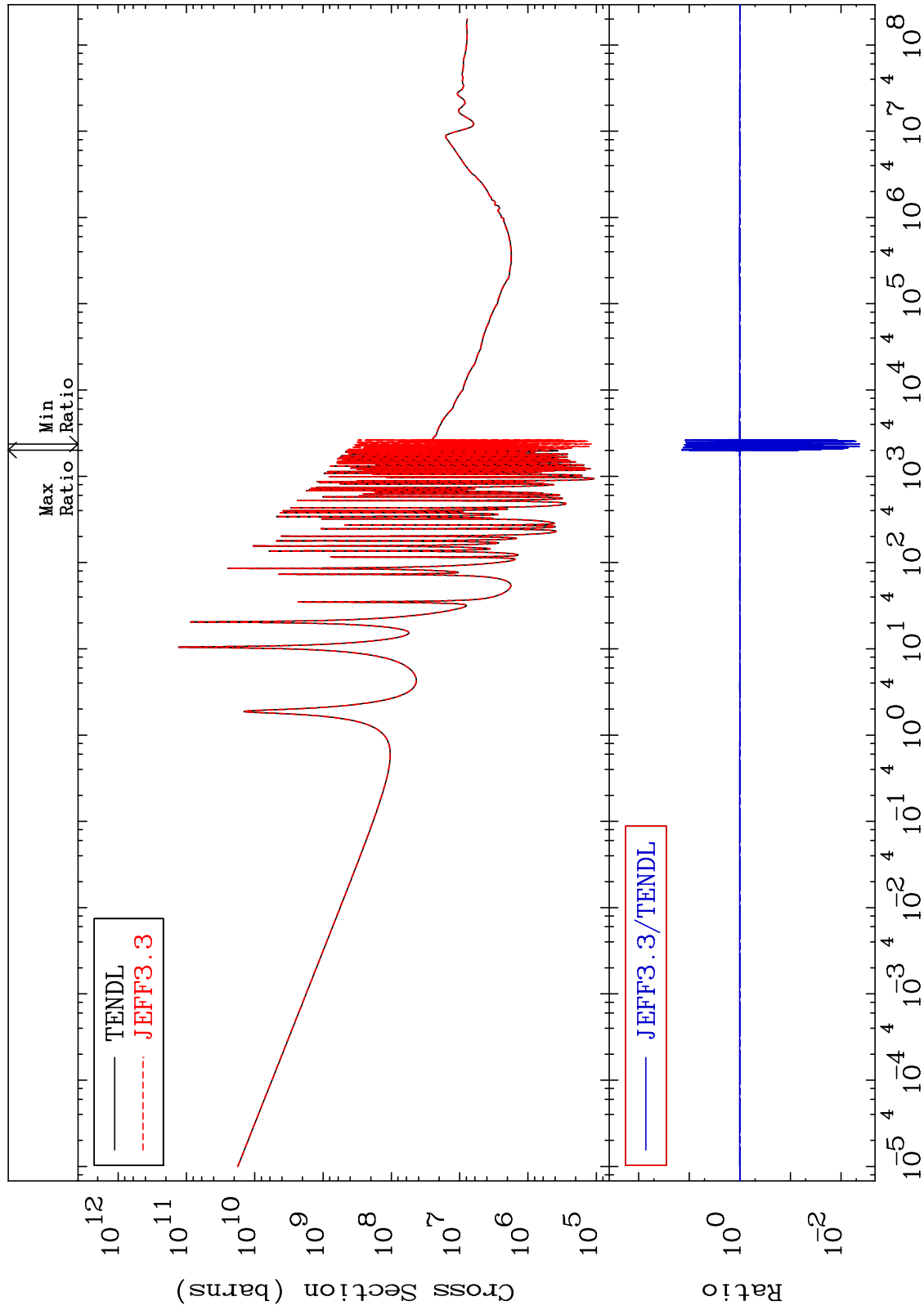
Incident Energy (eV)

66-Dy-160

MAT 6637

Total photon (eV-barns)  
Cross Section

66-Dy-160  
-99.58 To 1323. %



74

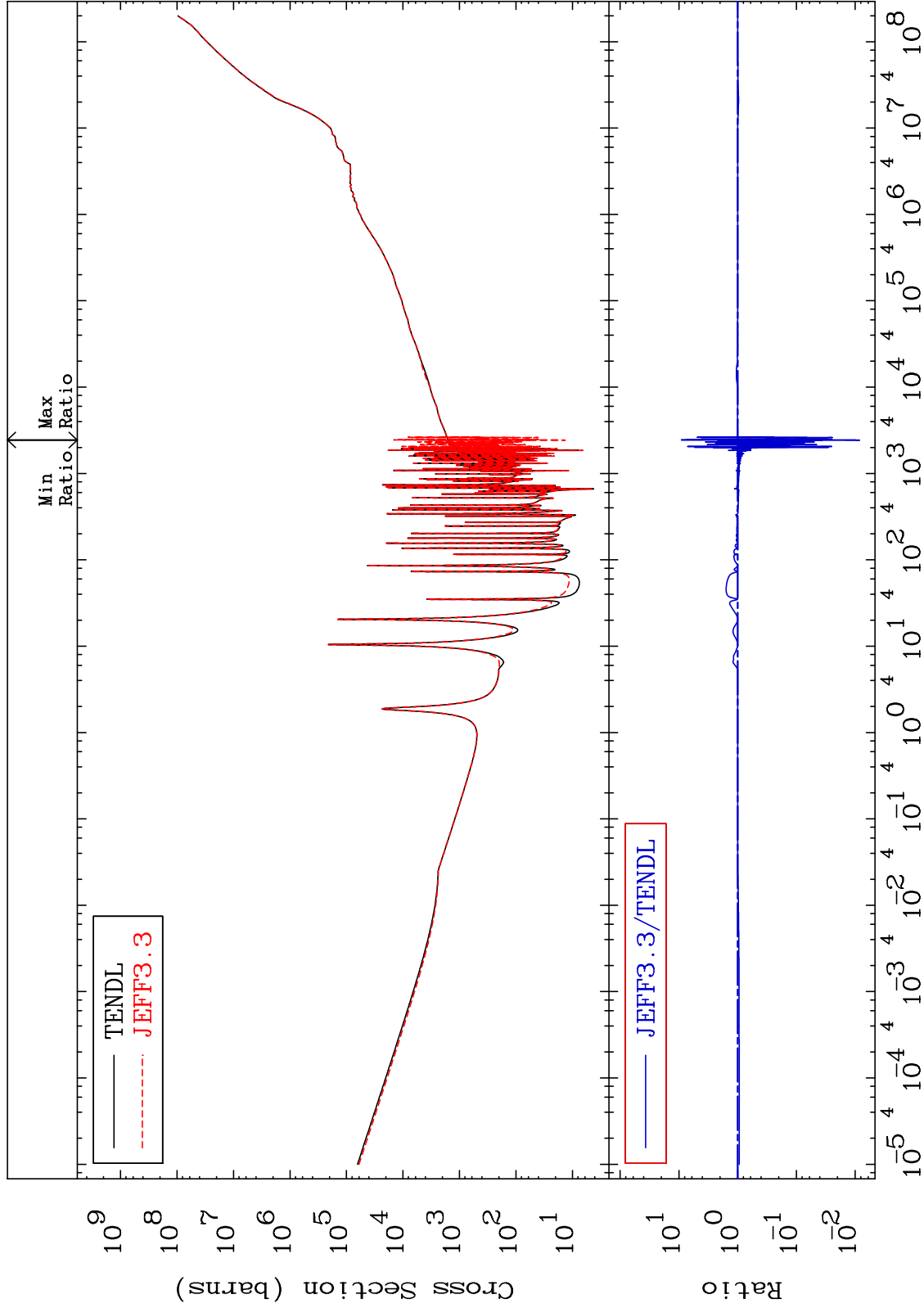
Incident Energy (eV)

66-Dy-160

MAT 6637

Total kinematic kerma (high limit)  
Cross Section

66-Dy-160  
-99.17 To 812.1 %



75

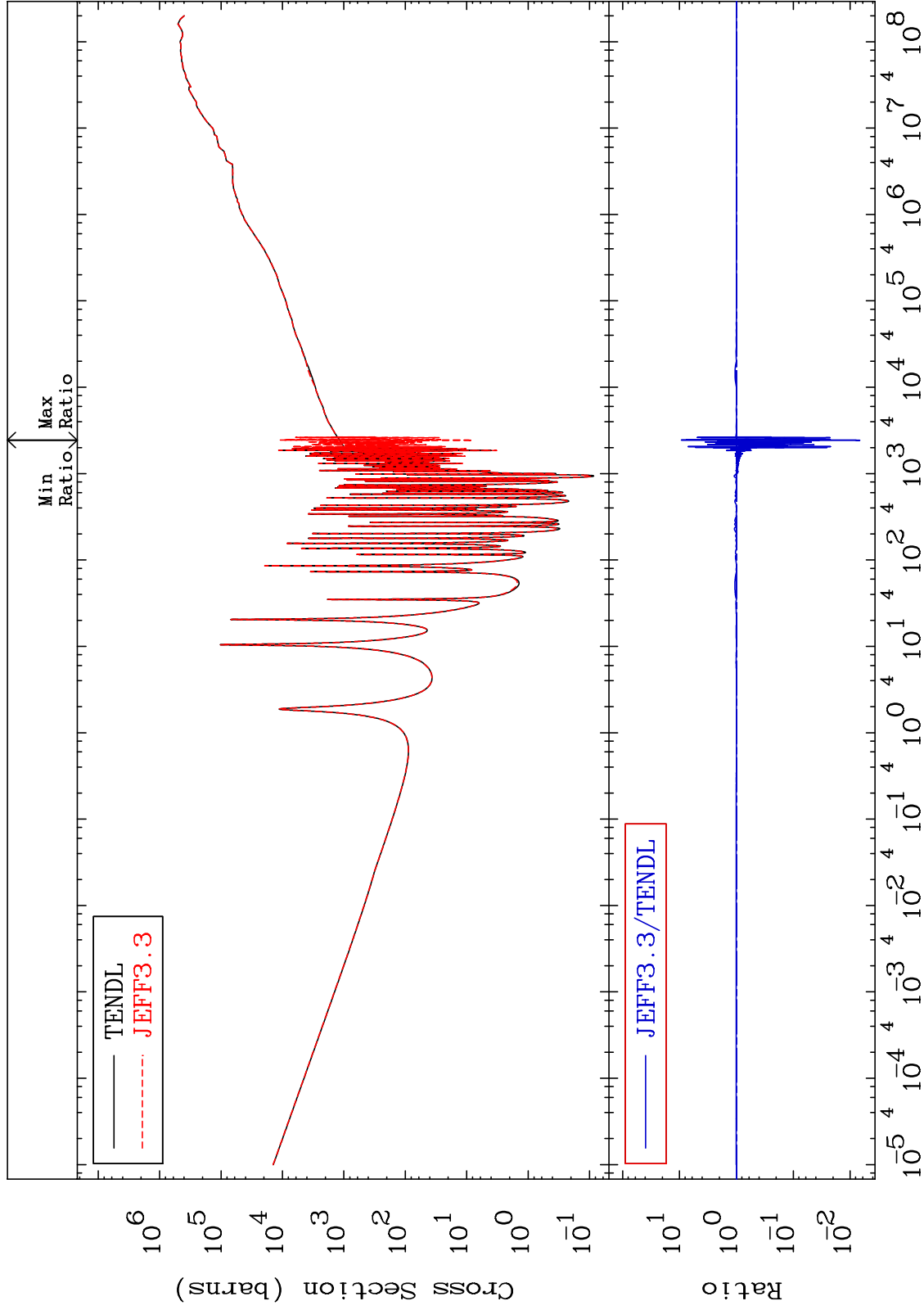
Incident Energy (eV)

66-Dy-160

MAT 6637

Dpa total (eV-barns)  
Cross Section

66-Dy-160  
-99.32 To 832.2 %



76

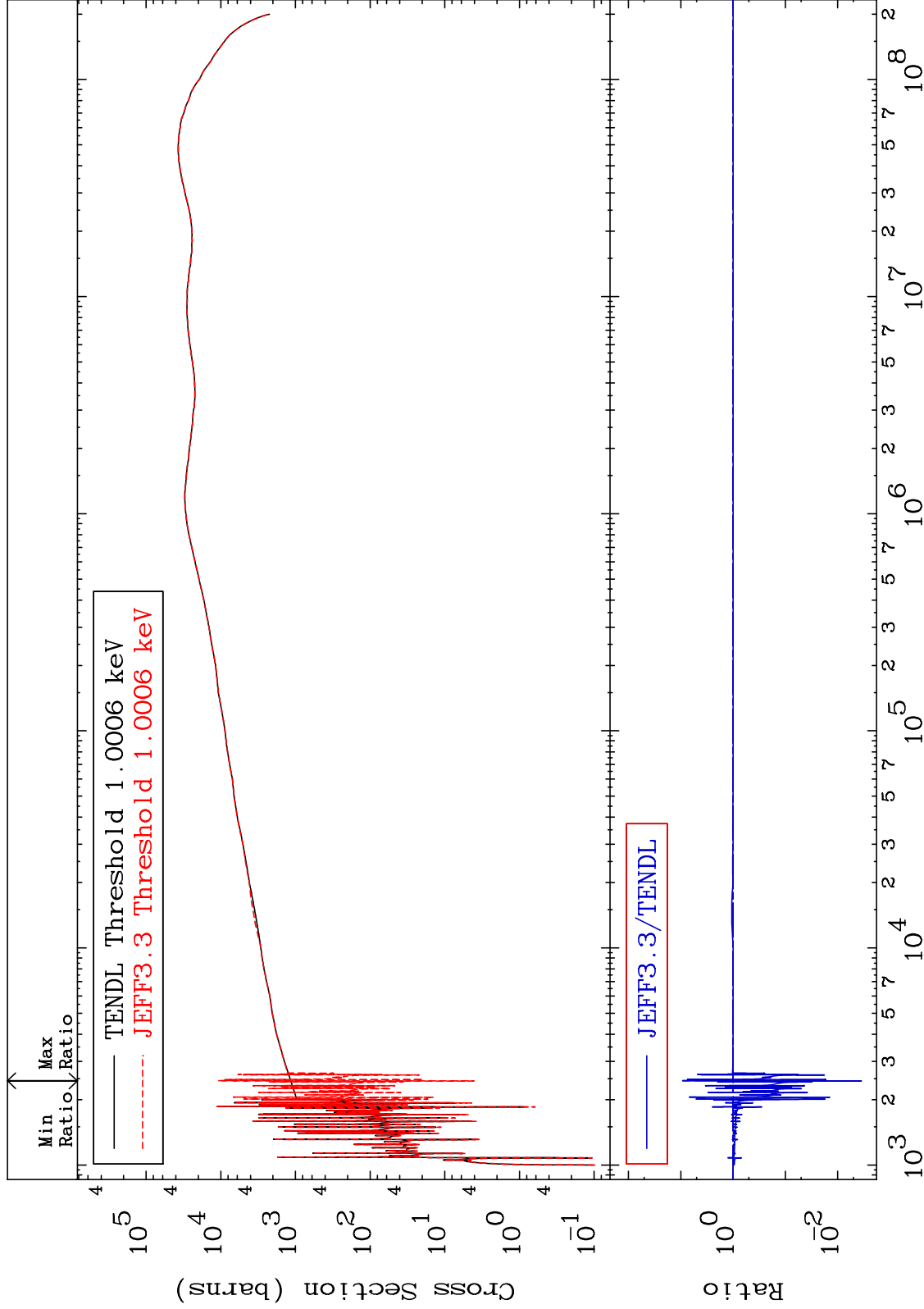
Incident Energy (eV)

66-Dy-160

MAT 6637

Dpa elastic (mt2)  
Cross Section

66-Dy-160  
-99.65 To 828.7 %



77

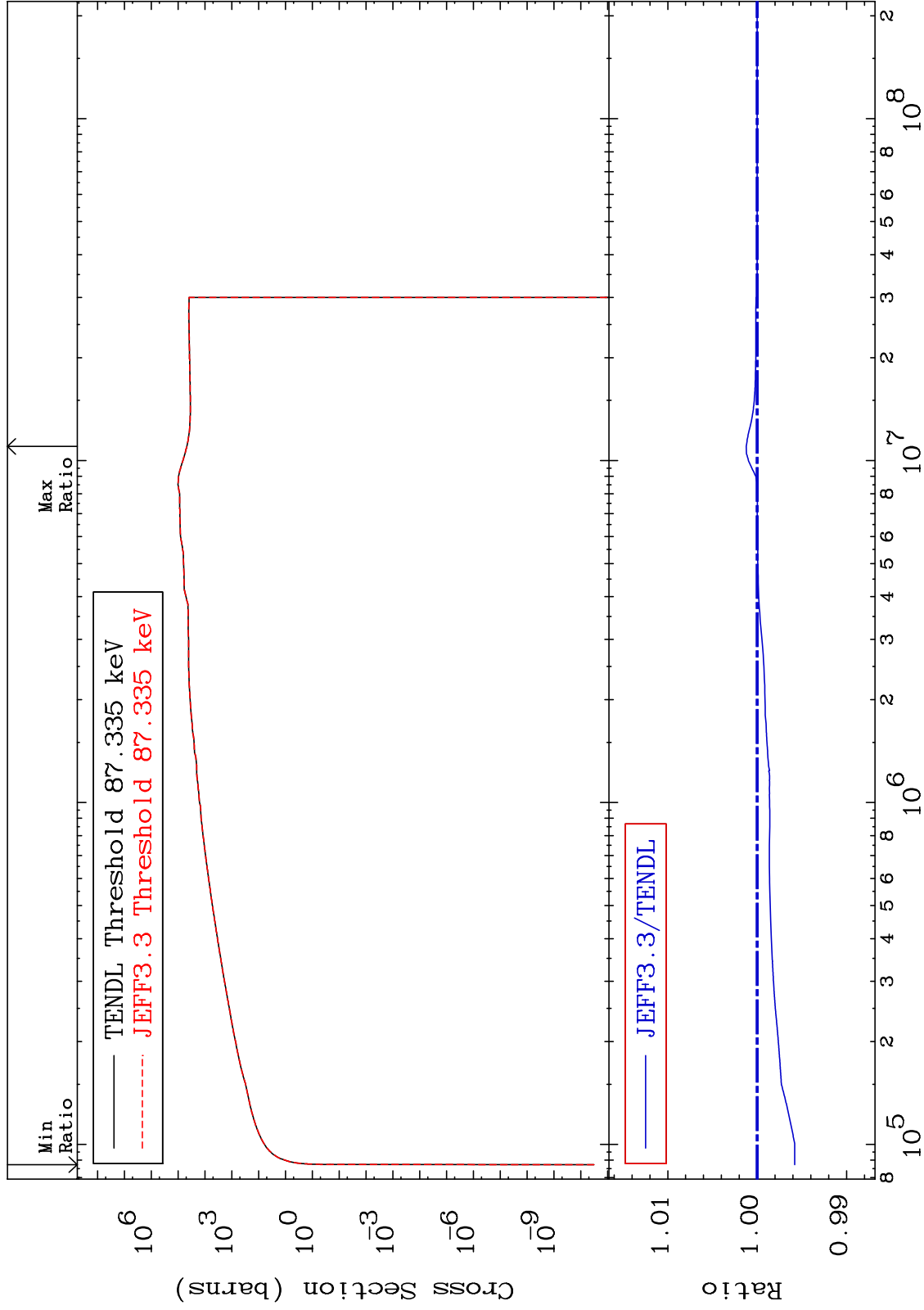
Incident Energy (eV)

66-Dy-160

MAT 6637

Dpa inelastic (mt51-91)  
Cross Section

66-Dy-160  
-0.421 To 0.122 %



78

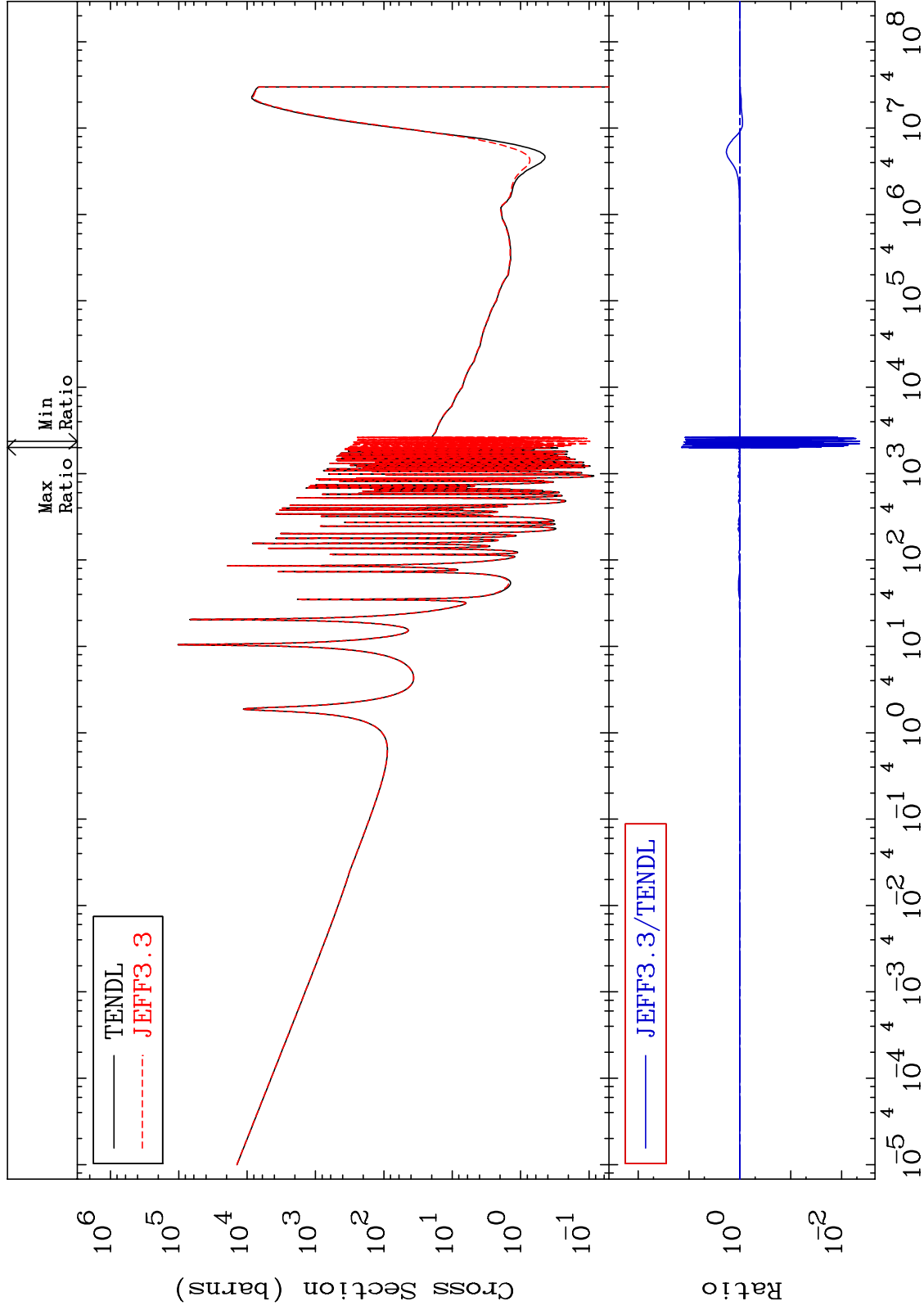
Incident Energy (eV)

66-Dy-160

MAT 6637

Dpa disappearance (mt102 -120)  
Cross Section

66-Dy-160  
-99.56 To 1323. %



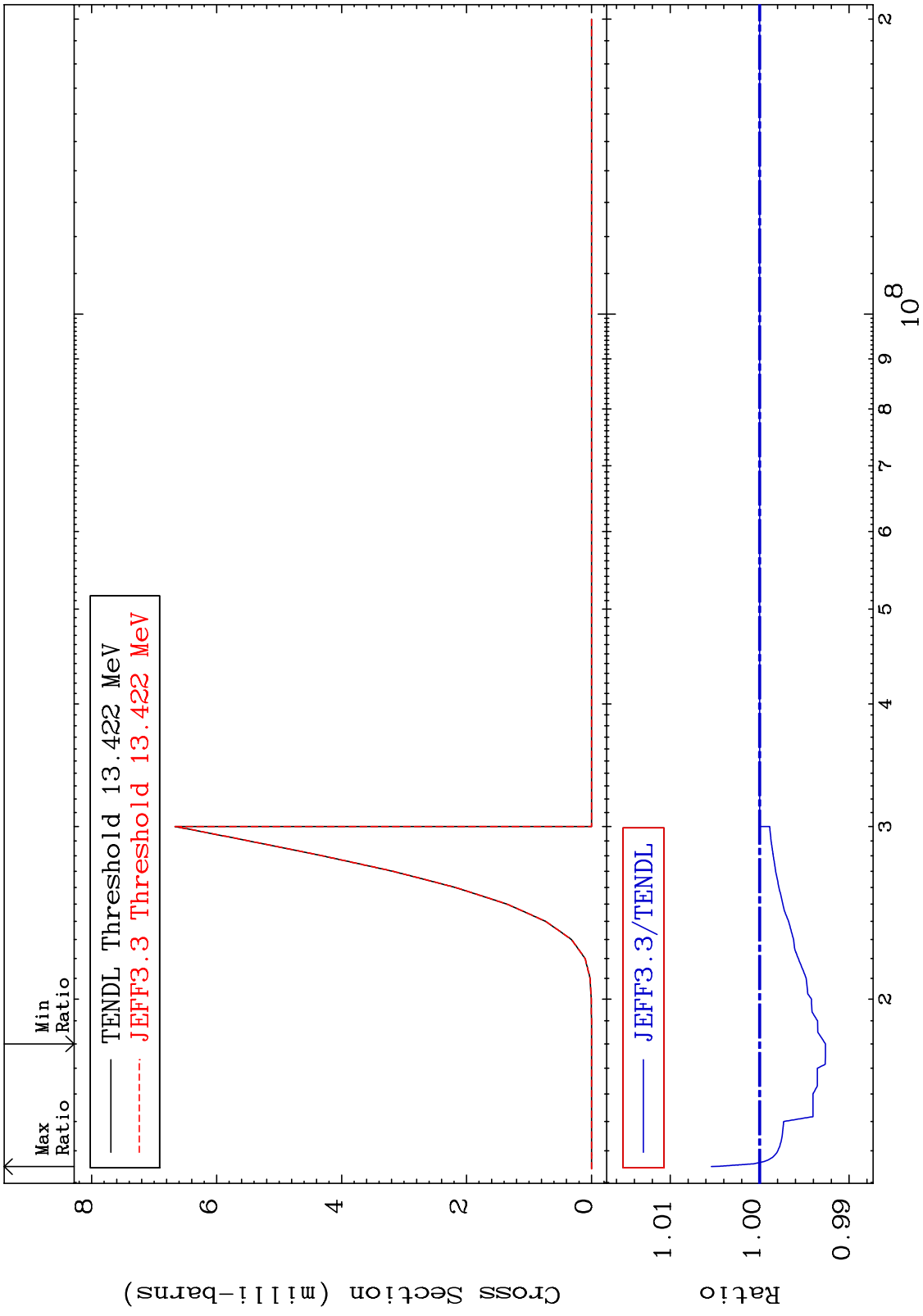
79

Incident Energy (eV)

66-Dy-160

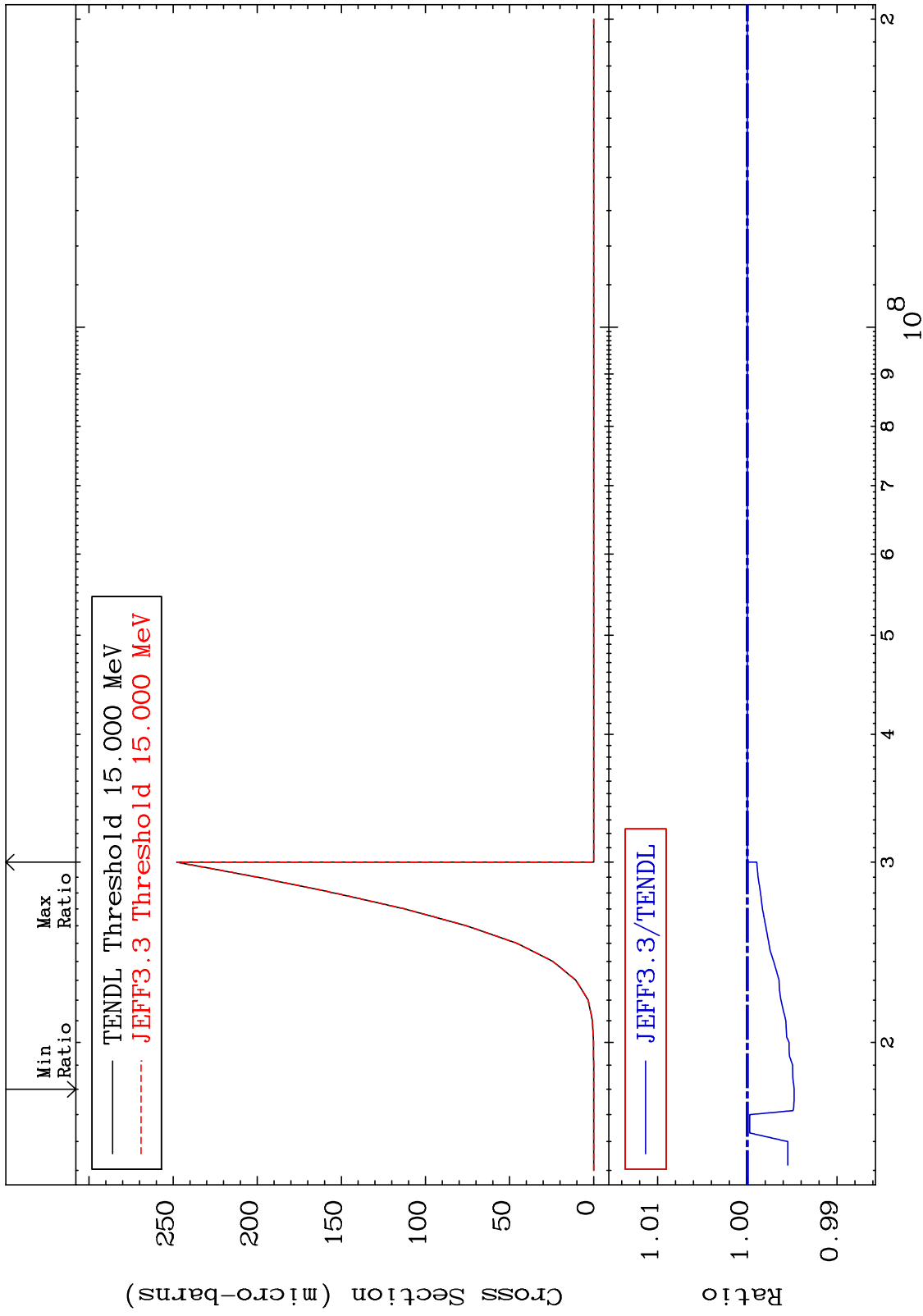


MAT 6637 (n, n') d:65-Tb-158g 66-Dy-160  
 Radionuclide Production Cross Section -0.735 To 0.539 %

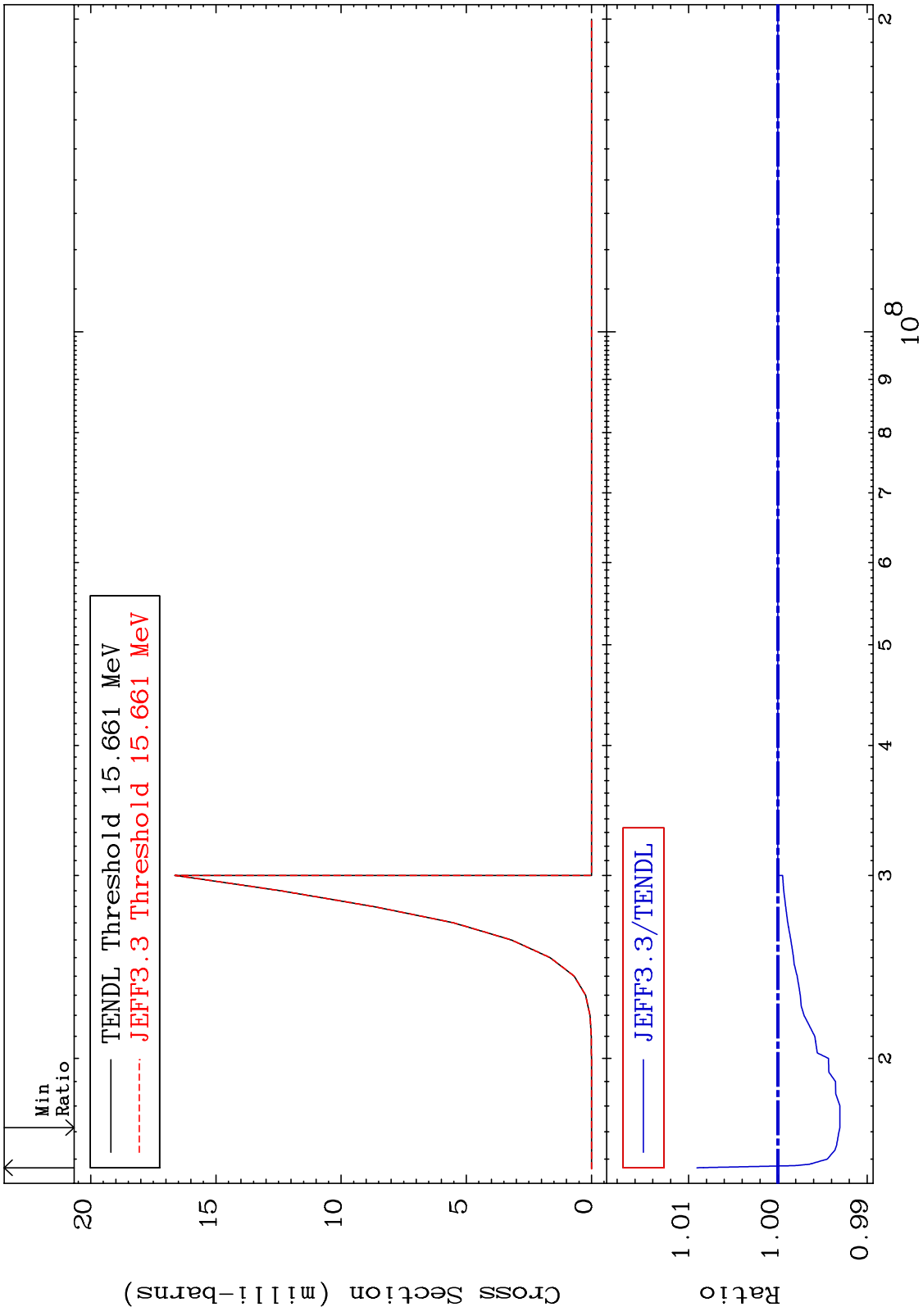


MAT 6637 (n,n') d:65-Tb-158m3 66-Dy-160

Radionuclide Production Cross Section -0.523 To 0.000 %



MAT 6637 (n,2n) p:65-Tb-158g 66-Dy-160  
 Radionuclide Production Cross Section -0.695 To 0.906 %

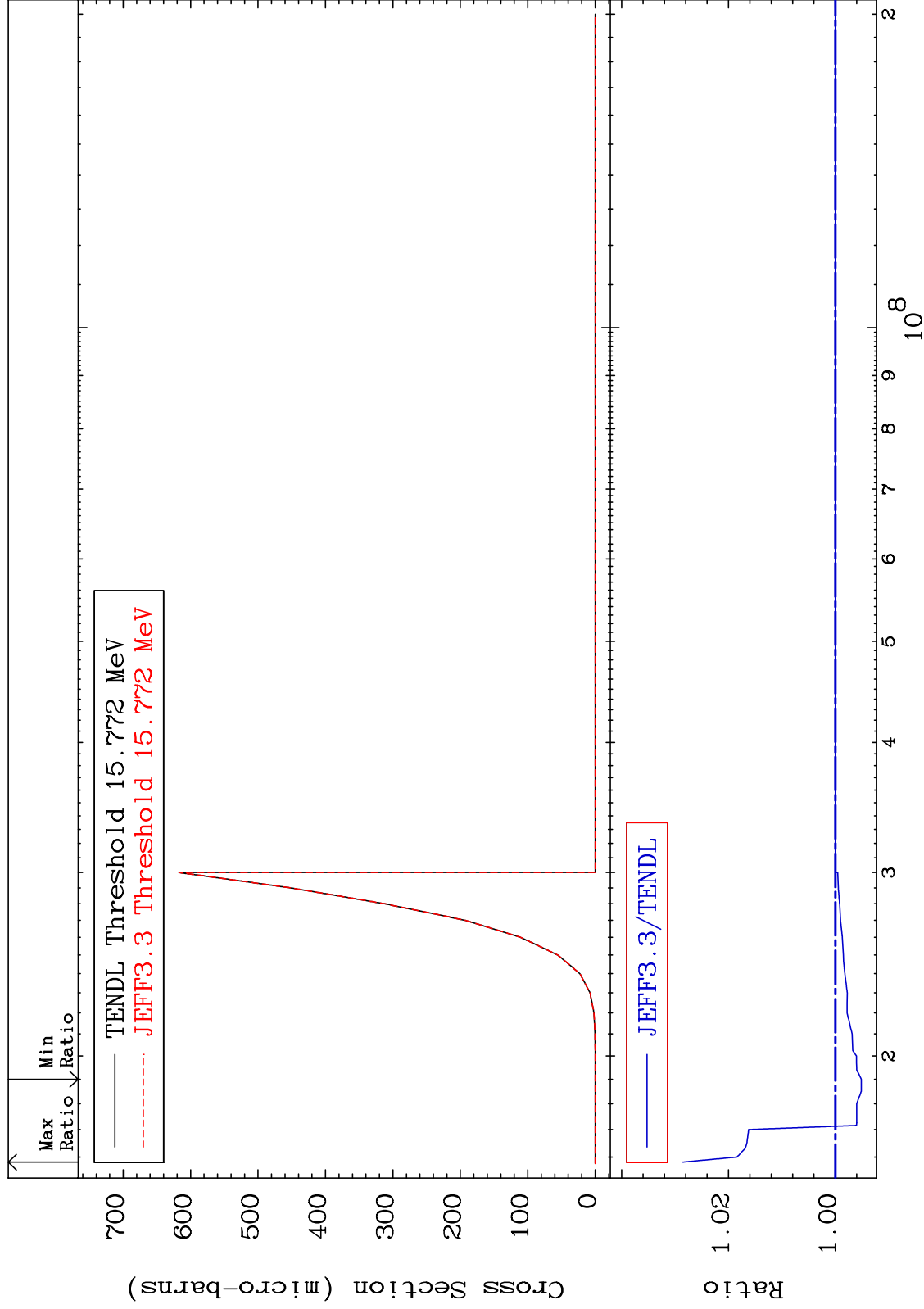


MAT 6637

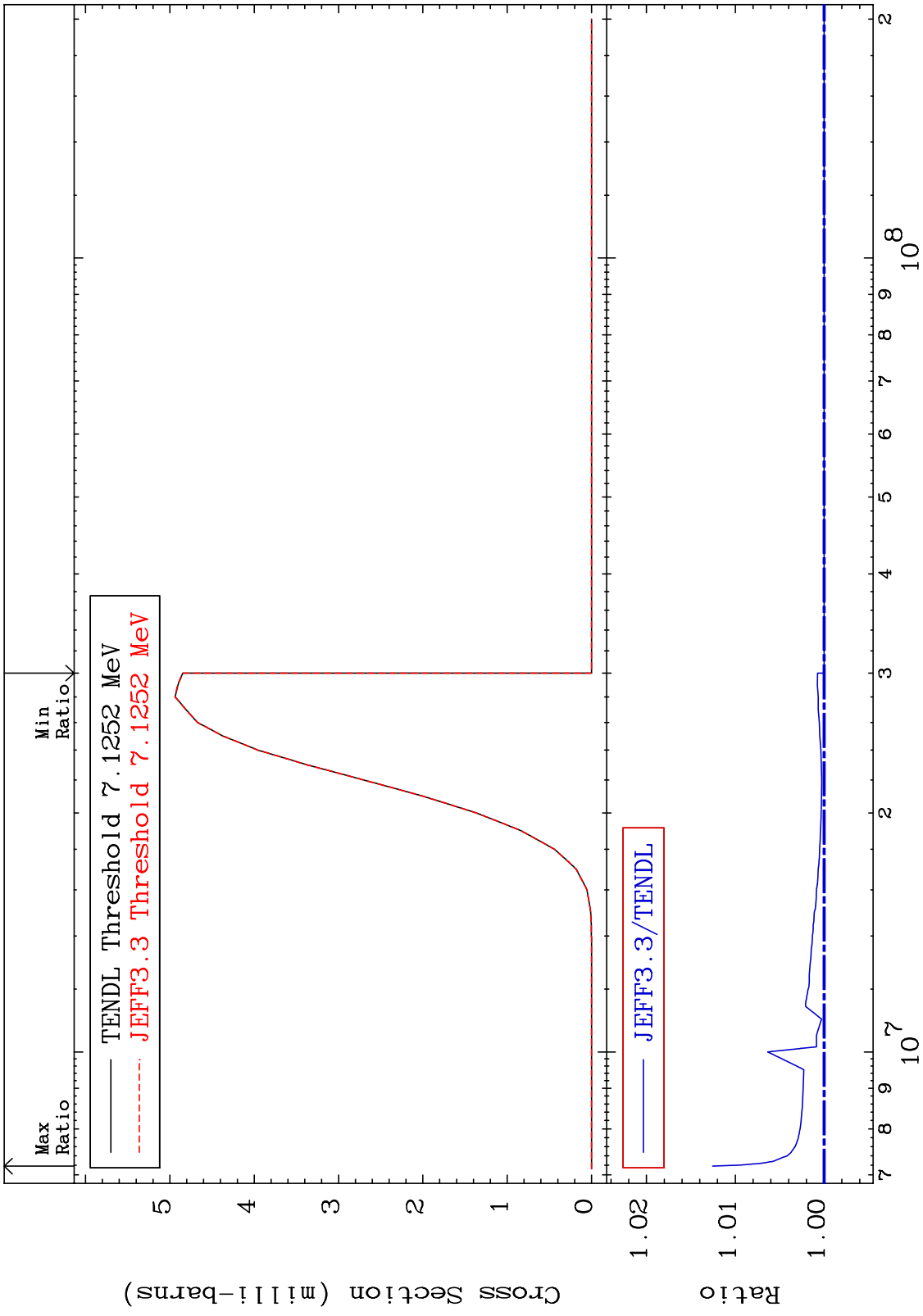
(n,2n) p:65-Tb-158m3

66-Dy-160

Radionuclide Production Cross Section -0.486 To 2.858 %



MAT 6637 (n,t):65-Tb-158g 66-Dy-160  
 Radionuclide Production Cross Section 0.000 To 1.254 %



MAT 6637 (n, t): 65-Tb-158m3 66-Dy-160  
 Radionuclide Production Cross Section 0.000 To 11.35 %

