

Program Complot  
(Version 2018-1)

by

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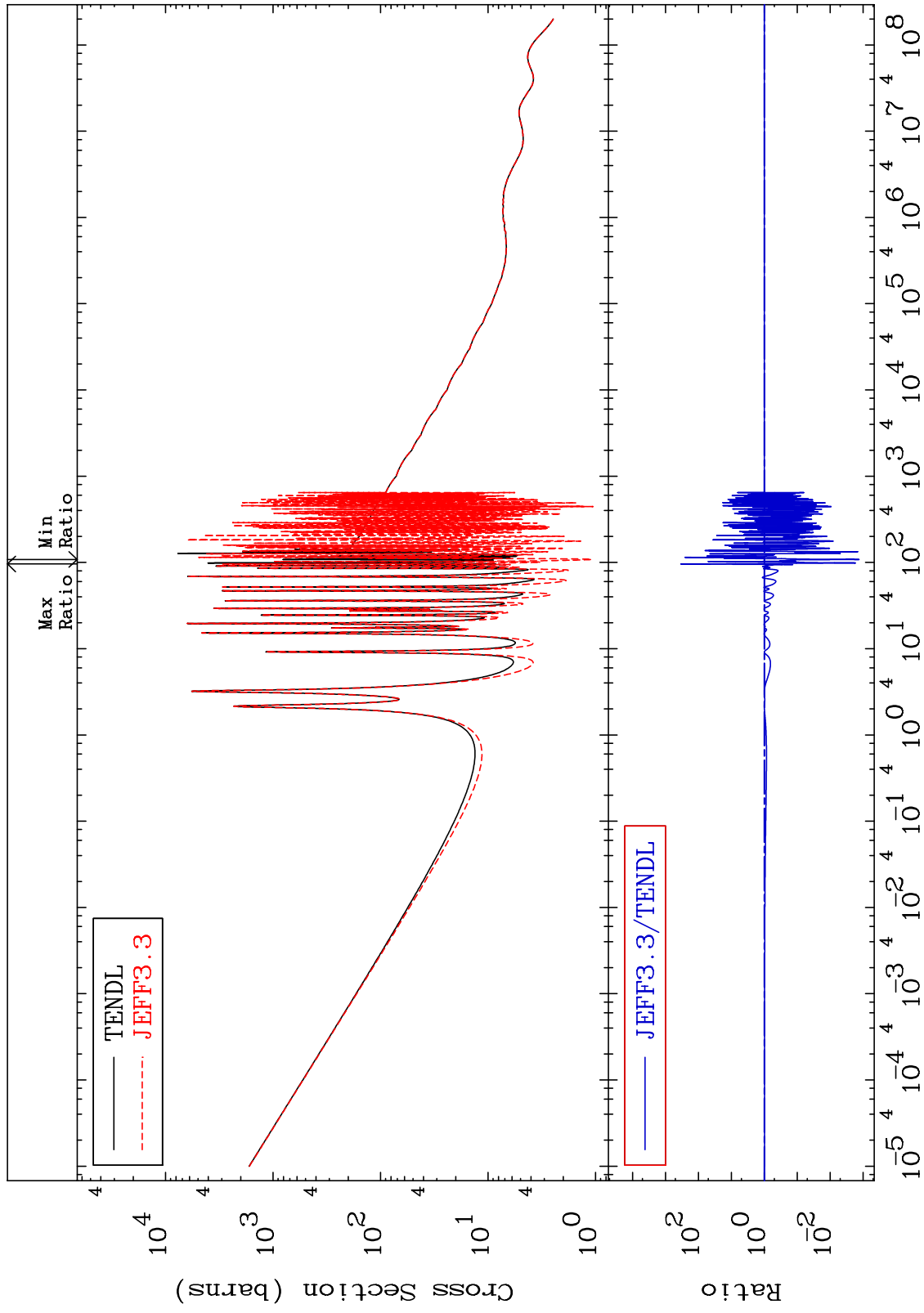
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6625

Total  
Cross Section

66-Dy-156  
-99.87 To 9999. %



Incident Energy (eV)

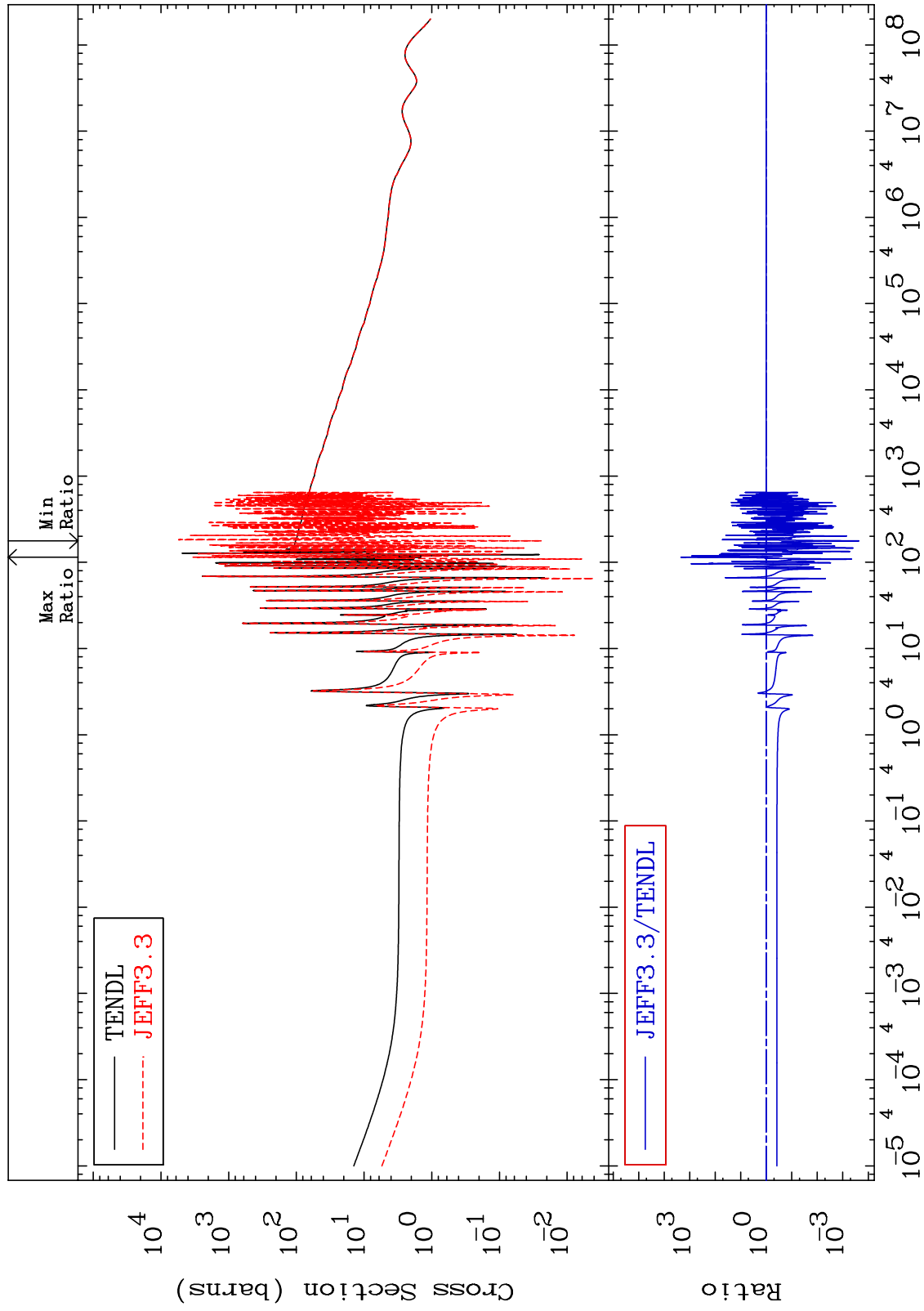
66-Dy-156

1

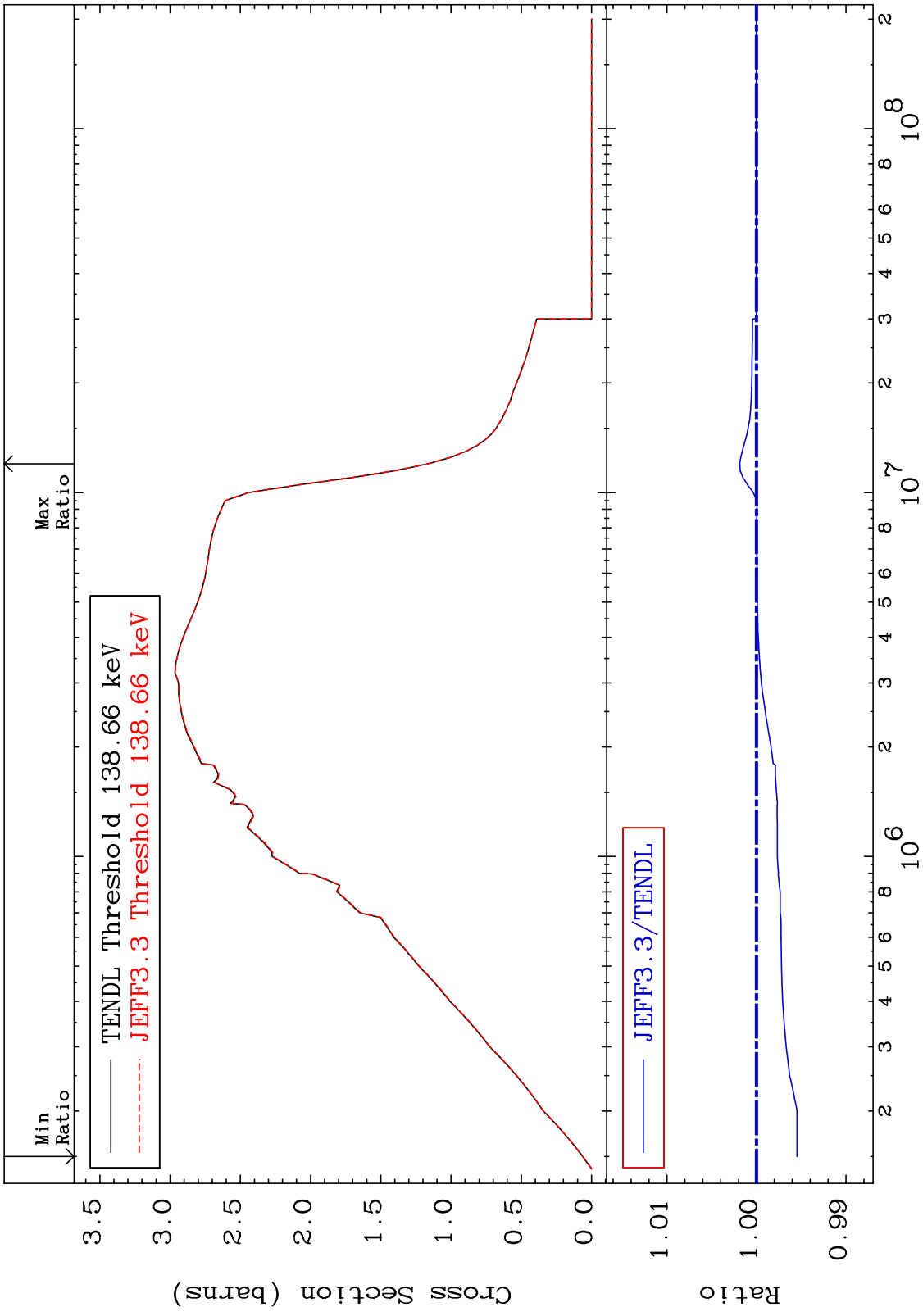
MAT 6625

Elastic  
Cross Section

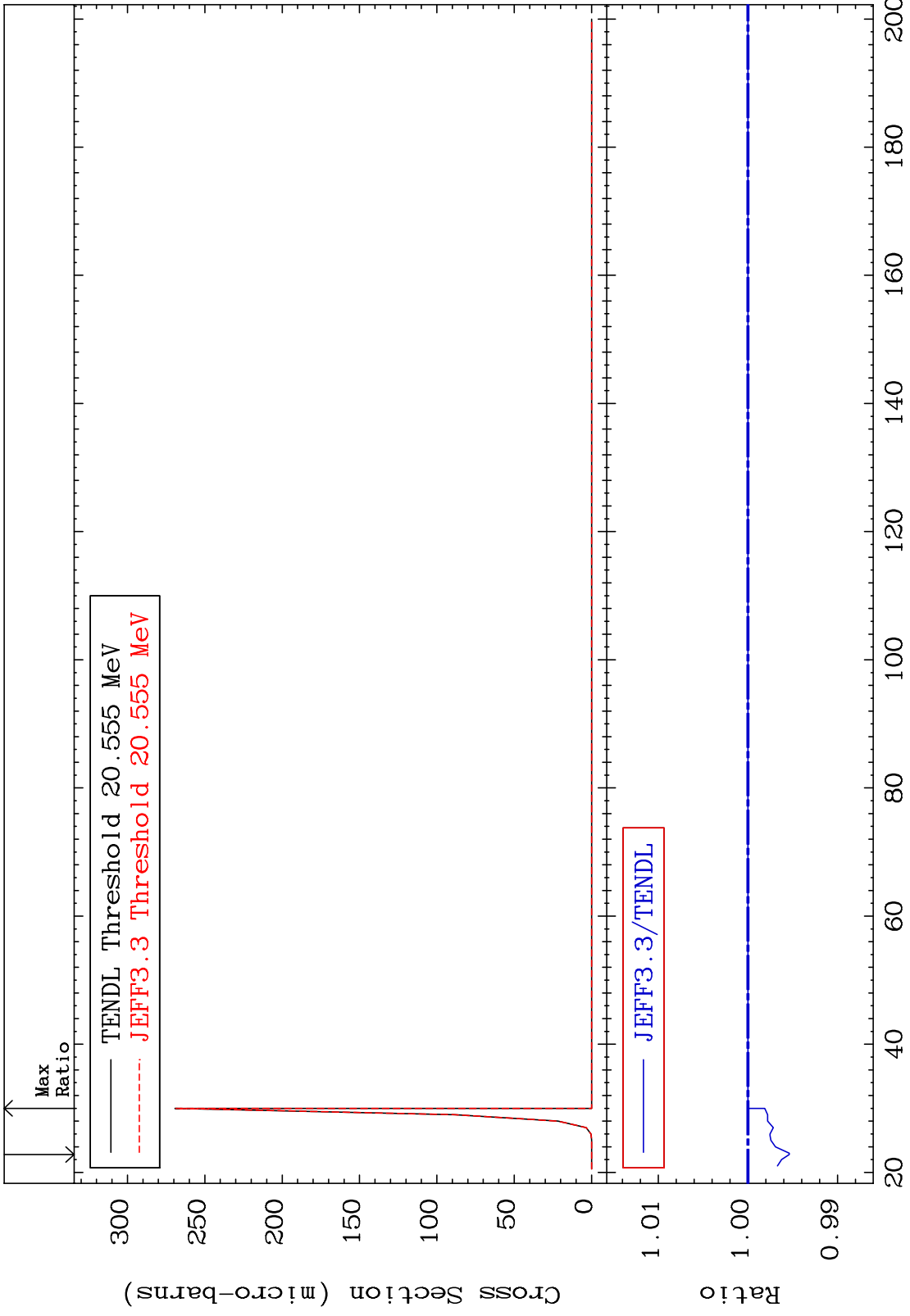
66-Dy-156  
-99.98 To 9999. %



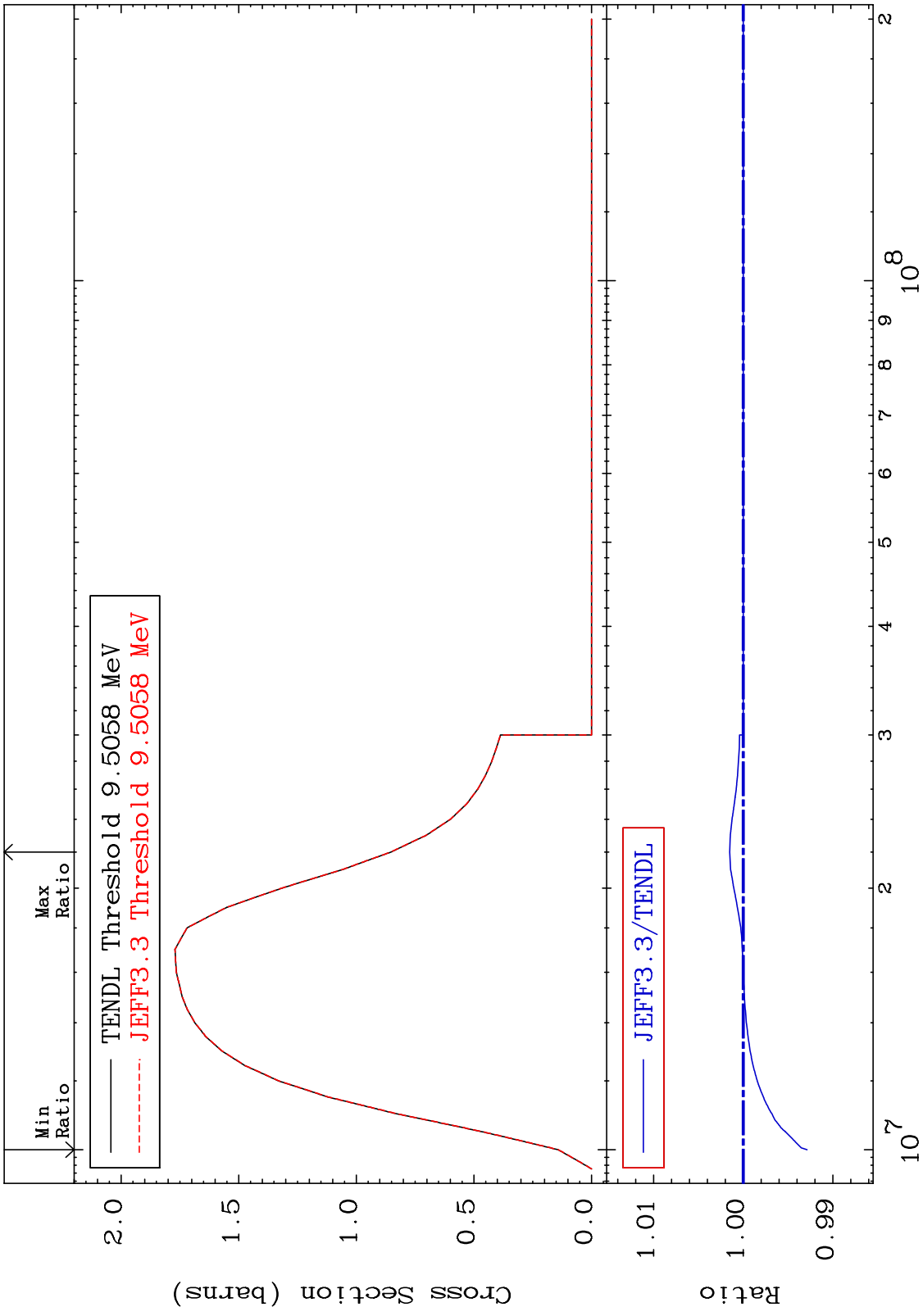
MAT 6625 Inelastic Cross Section 66-Dy-156 -0.453 To 0.186 %



MAT 6625 (n,2n) d 66-Dy-156  
Cross Section -0.460 To 0.000 %

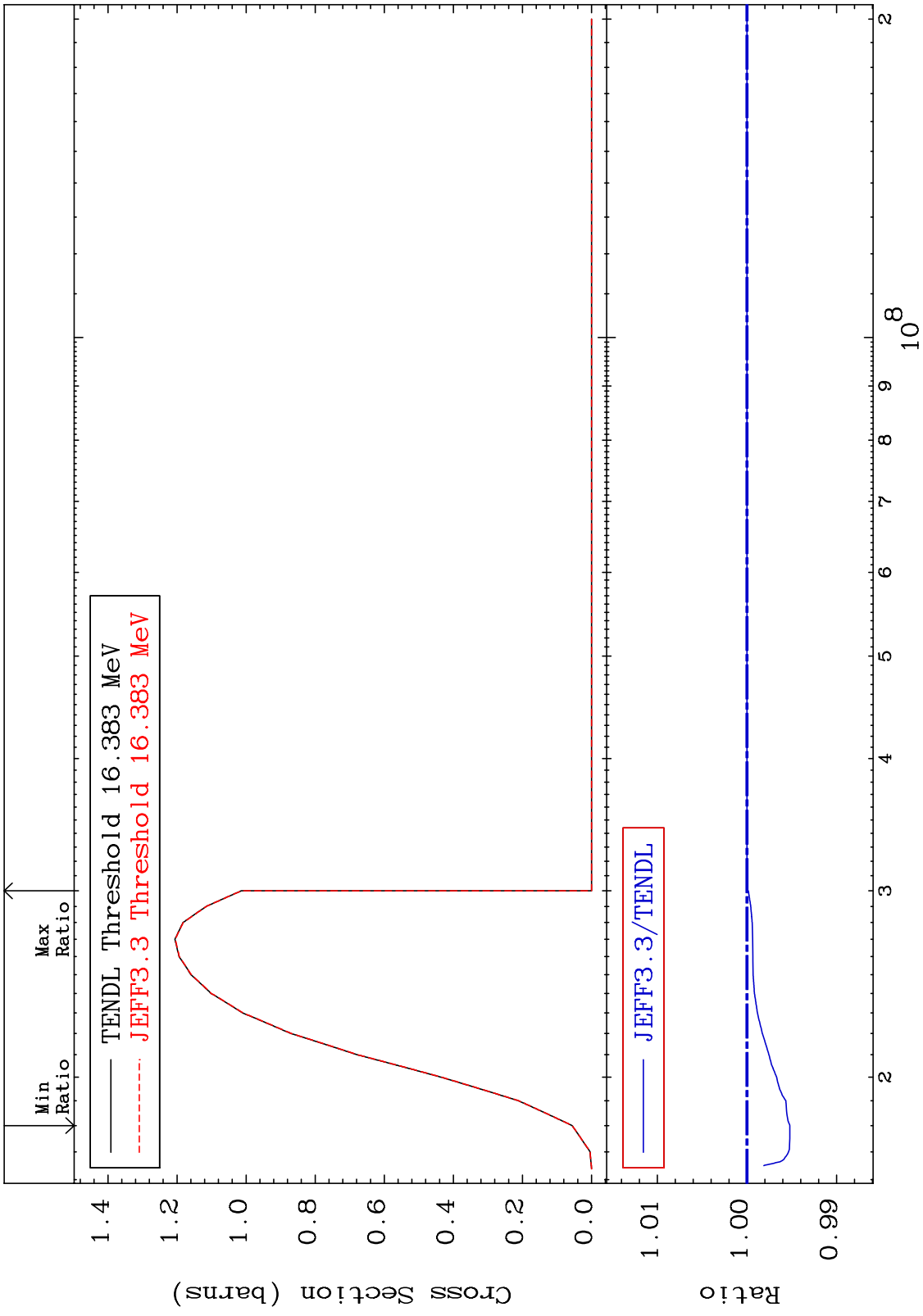


MAT 6625  $(n,2n)$  Cross Section  $^{66}\text{Dy-156}$   $-0.713$  To  $0.151$  %



Incident Energy (eV)  $^{66}\text{Dy-156}$

MAT 6625 (n,3n) Cross Section 66-Dy-156 -0.478 To 0.000 %



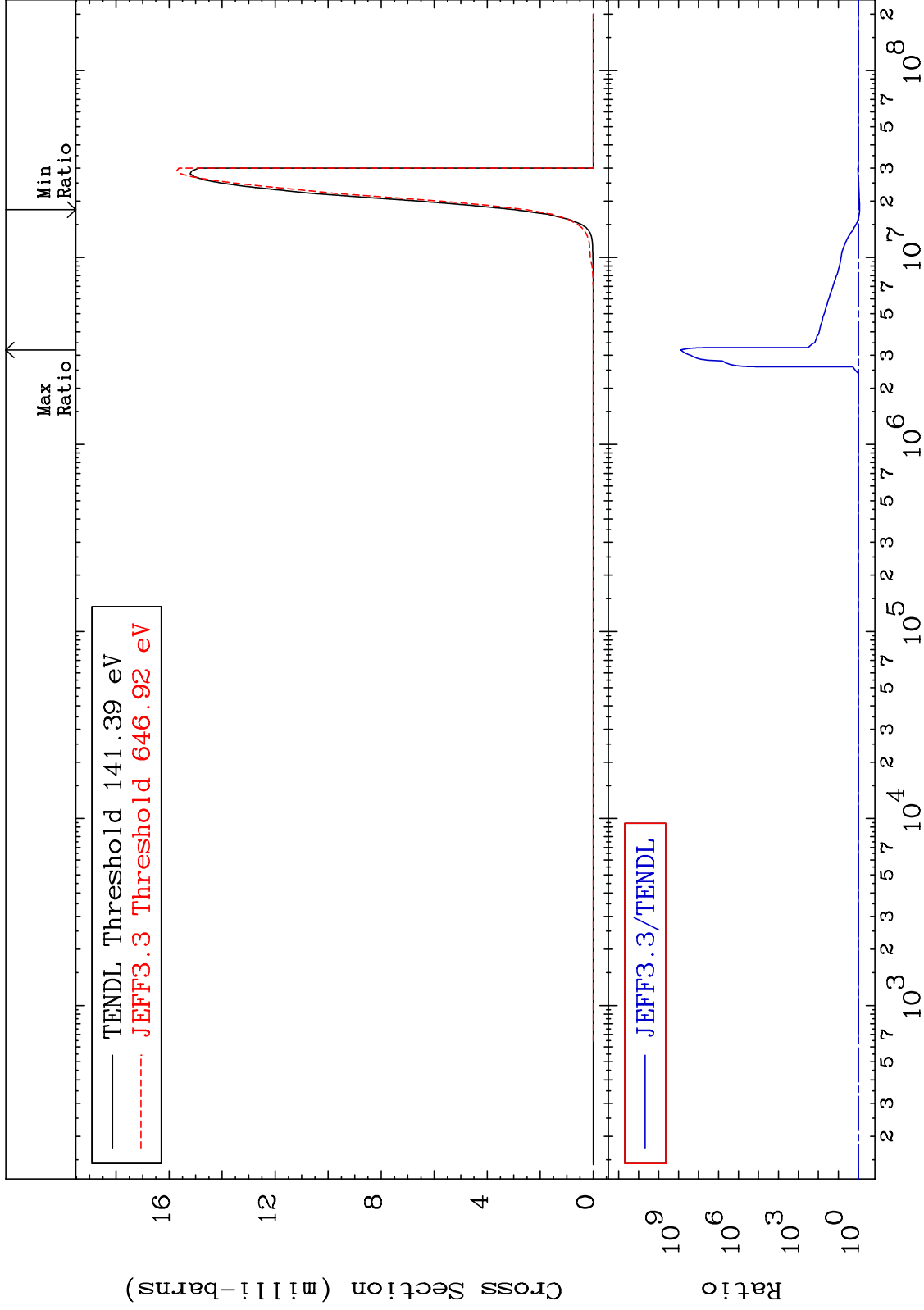
MAT 6625

(n, n')  $\alpha$

66-Dy-156

Cross Section

-14.28 To 9999. %





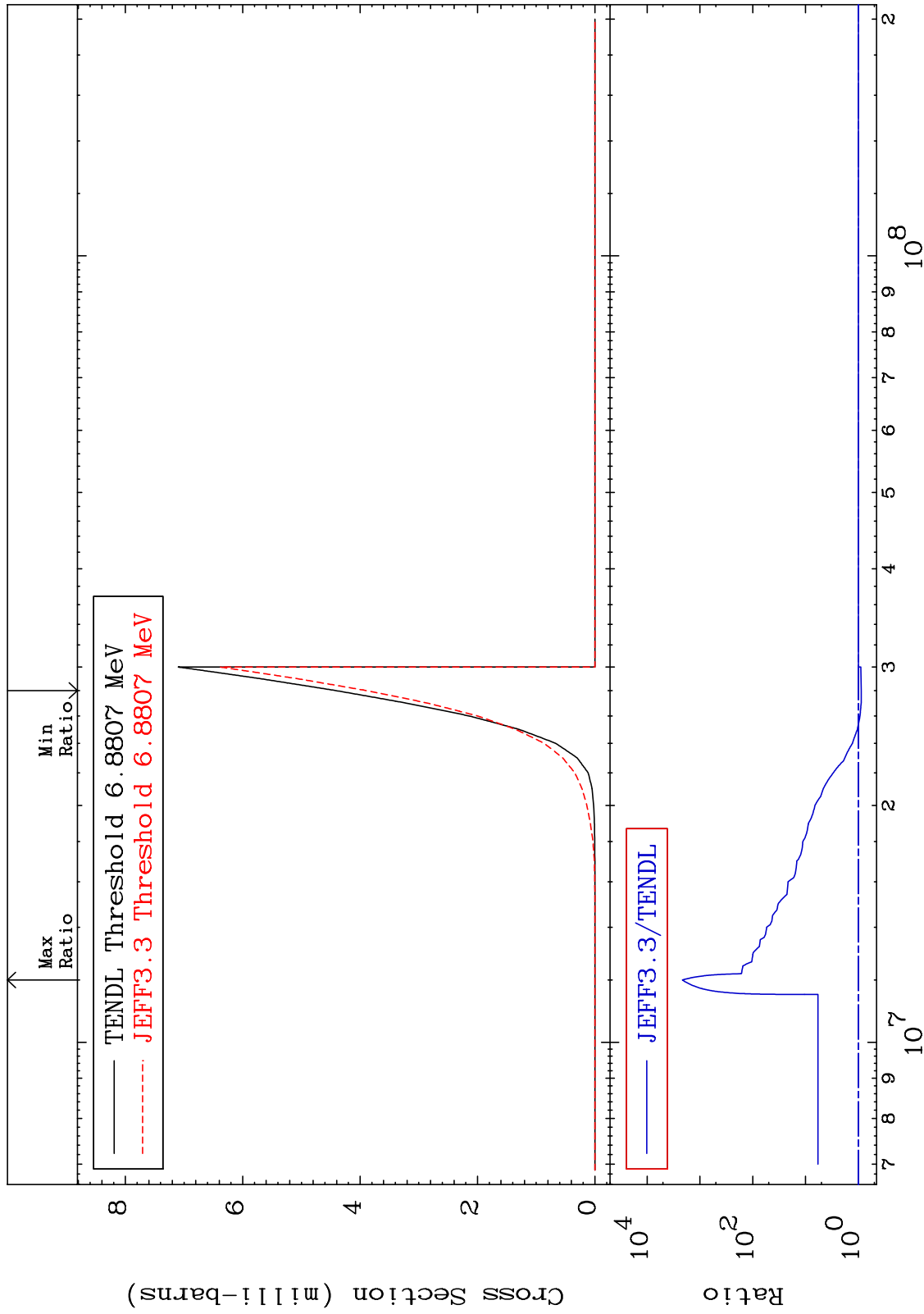
MAT 6625

(n,2n)  $\alpha$

66-Dy-156

-11.77 To 9999. %

Cross Section

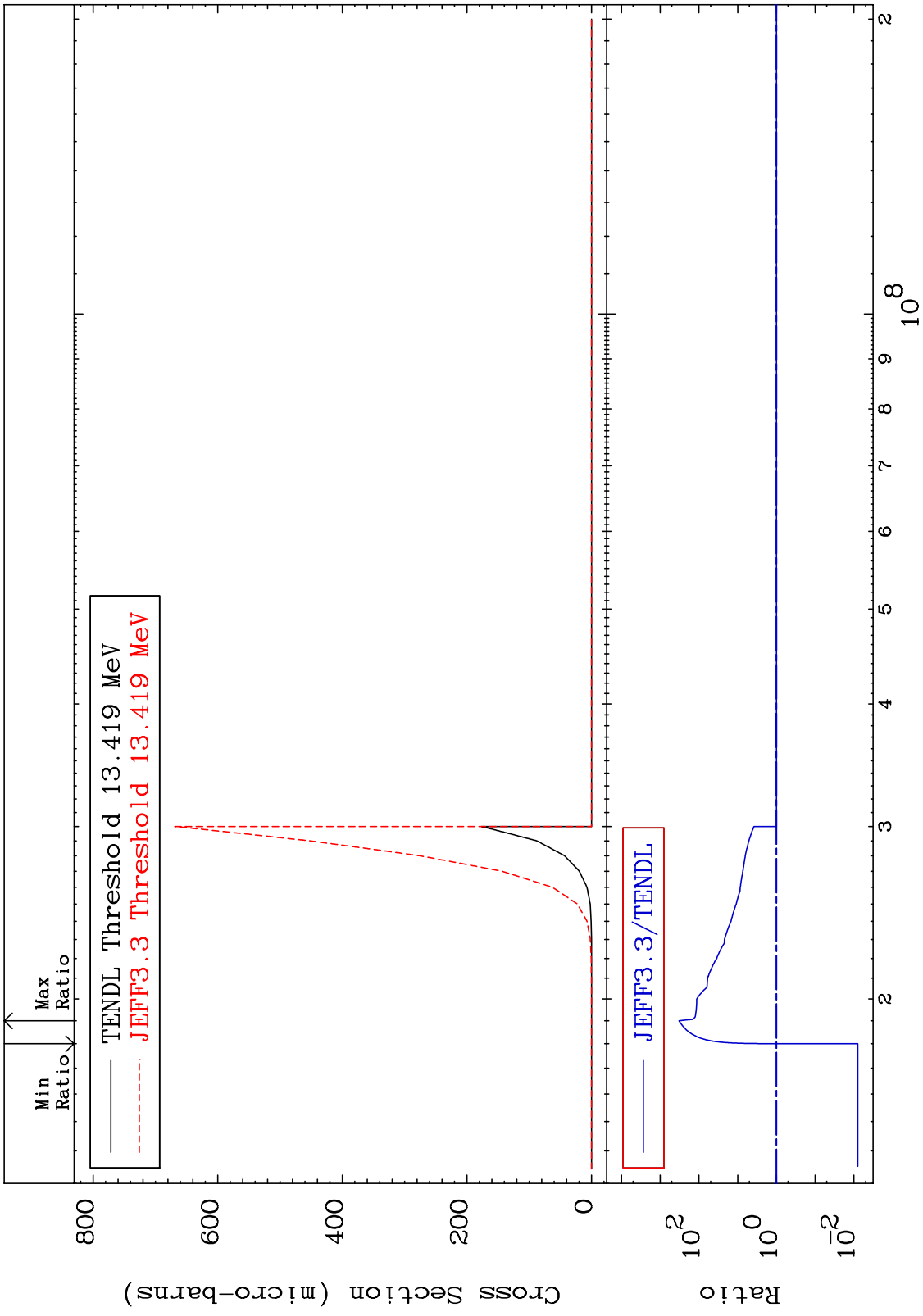


8

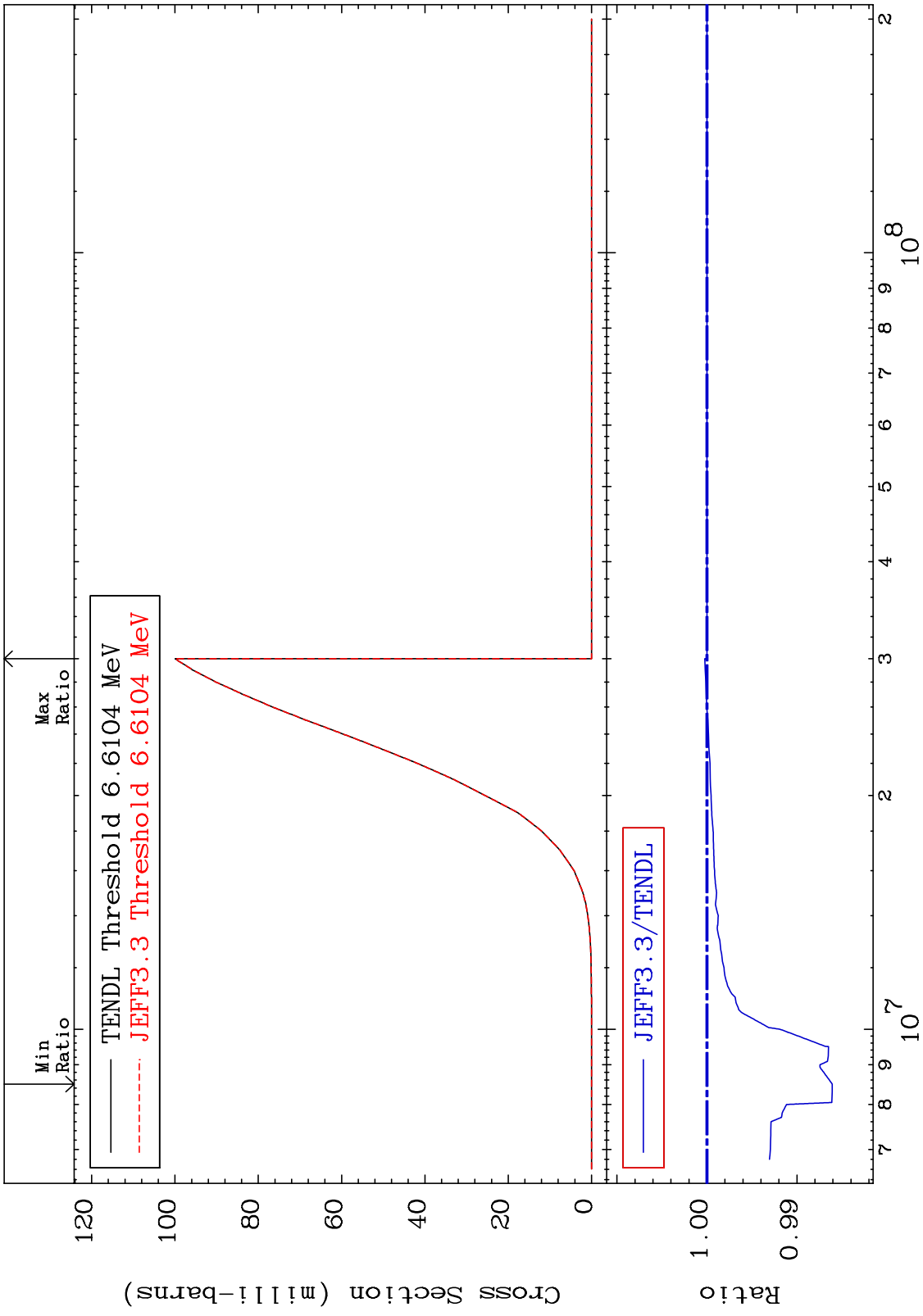
Incident Energy (eV)

66-Dy-156

MAT 6625  $(n, 3n) \alpha$  66-Dy-156  
 Cross Section -99.21 To 9999. %

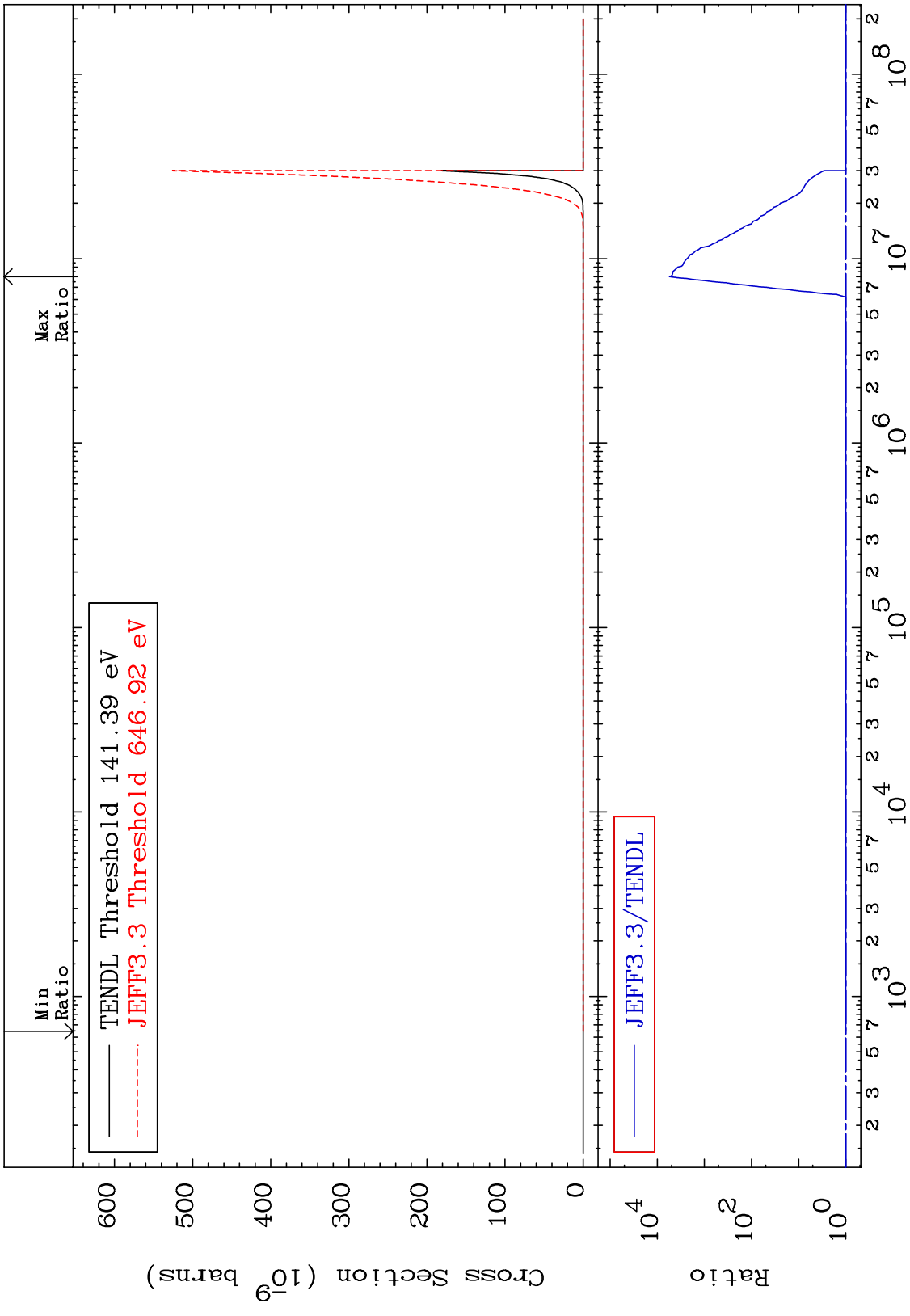


MAT 6625  $(n, n')$  p 66-Dy-156  
Cross Section -1.391 To 0.025 %

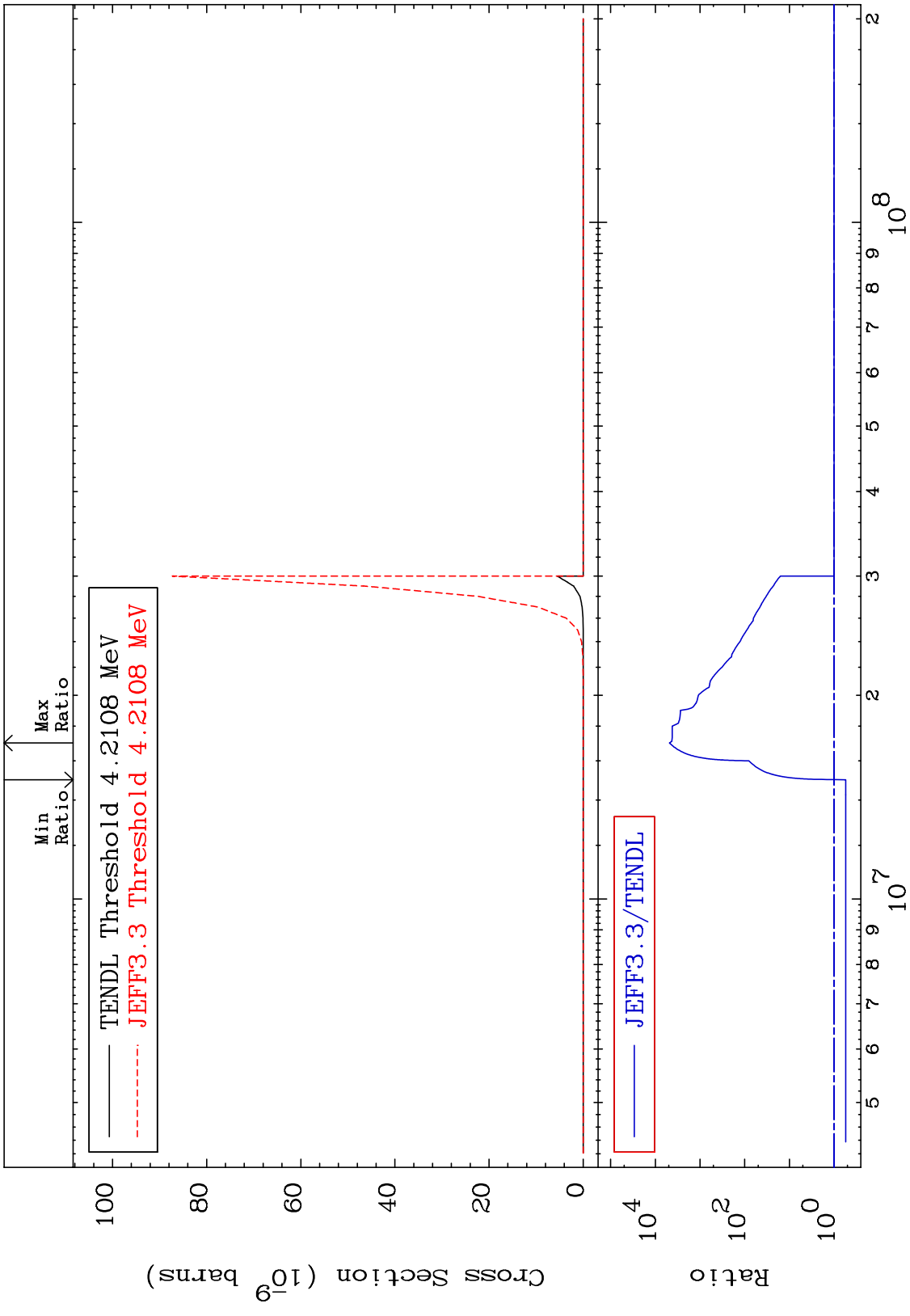


10 7 8 9 10<sup>7</sup> 10<sup>8</sup> 2 3 4 5 6 7 8 9 10<sup>8</sup> 66-Dy-156

MAT 6625 (n,n') 2α Cross Section 66-Dy-156 To 9999. %

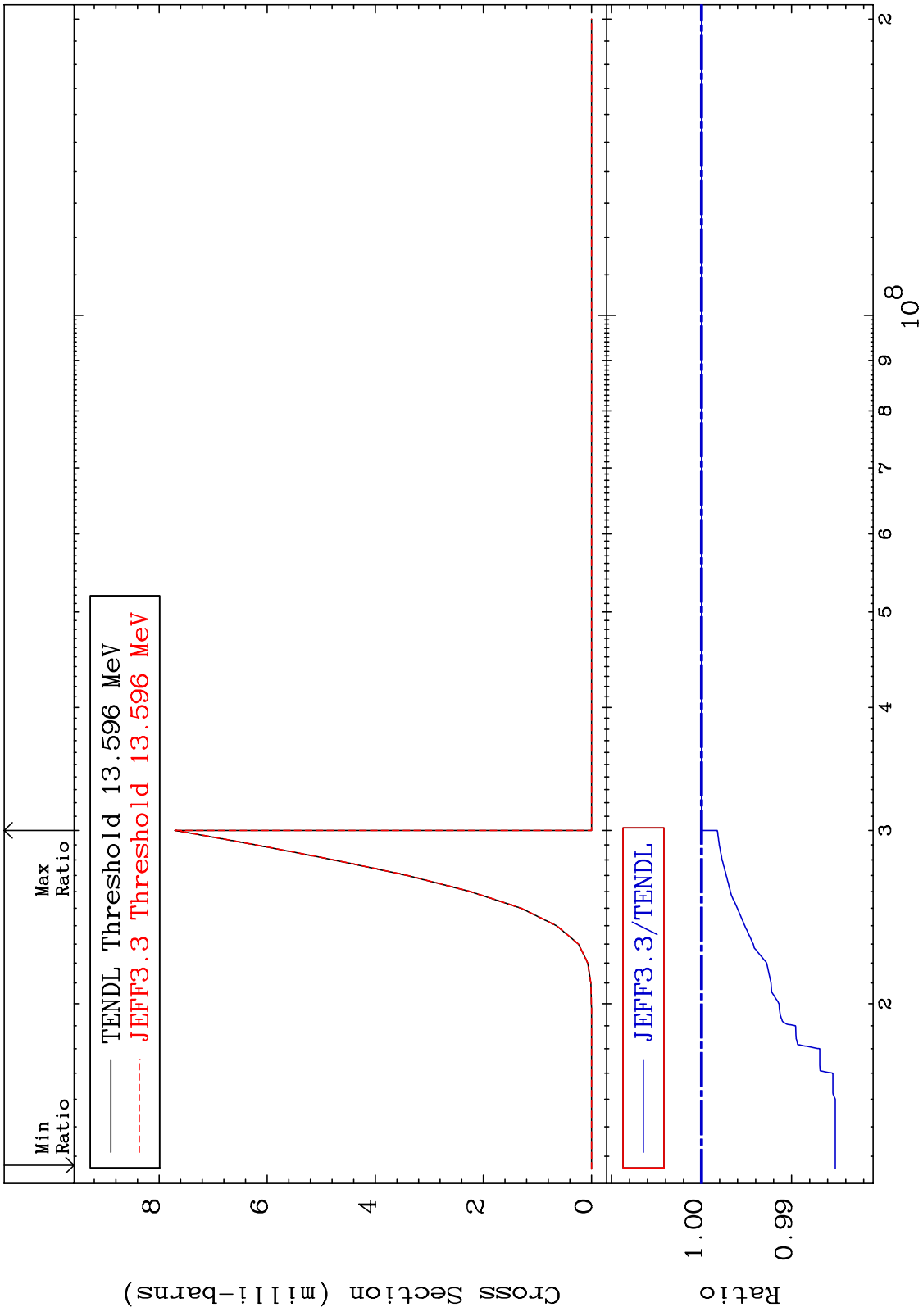


MAT 6625 (n,2n) 2α 66-Dy-156  
 Cross Section -45.22 To 9999. %

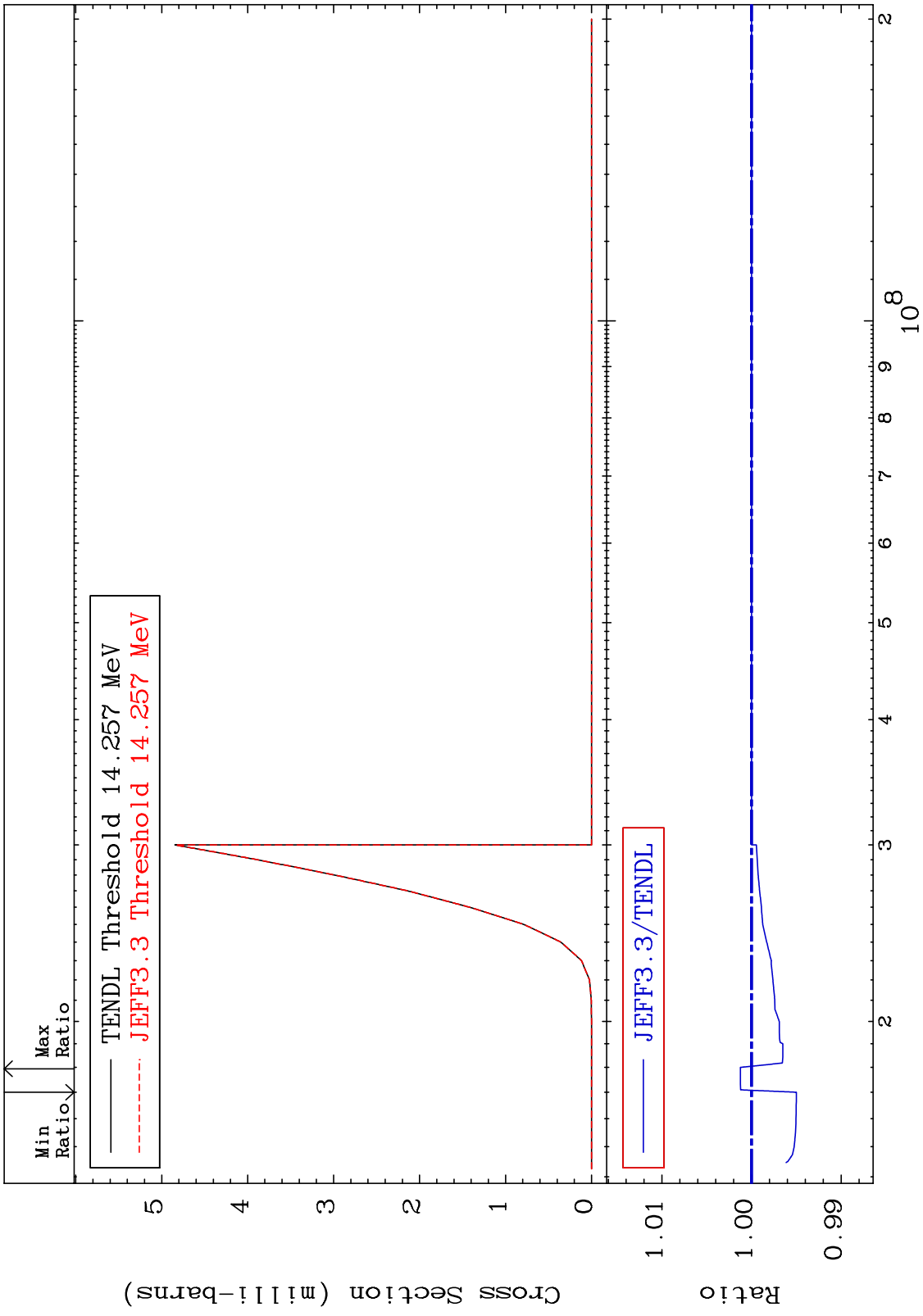


12 66-Dy-156 Incident Energy (eV)

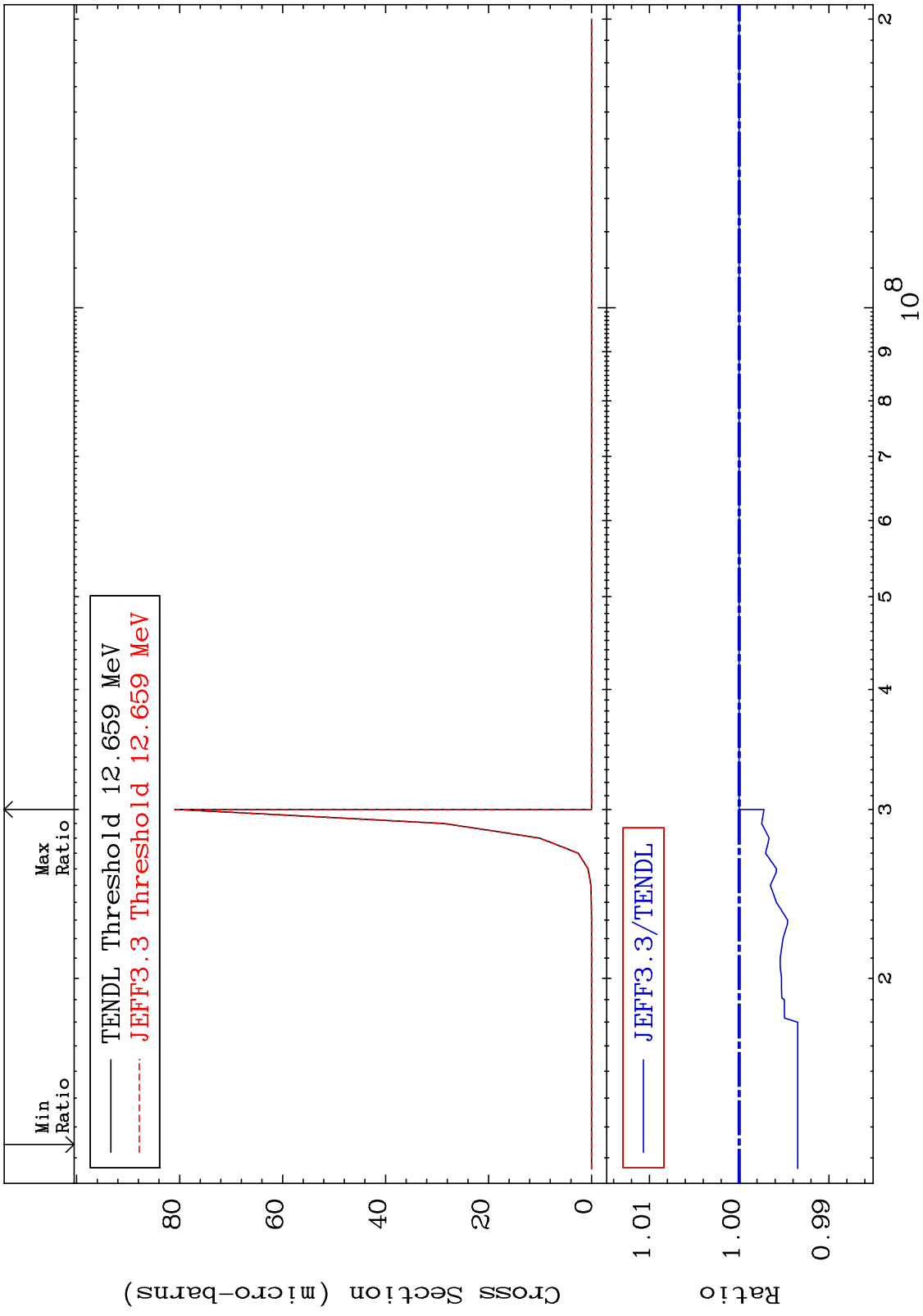
MAT 6625  $(n, n')$  d  $^{66}\text{Dy}-156$   
 Cross Section -1.485 To 0.000 %



MAT 6625  $(n, n') t$  66-Dy-156  
 Cross Section -0.501 To 0.124 %

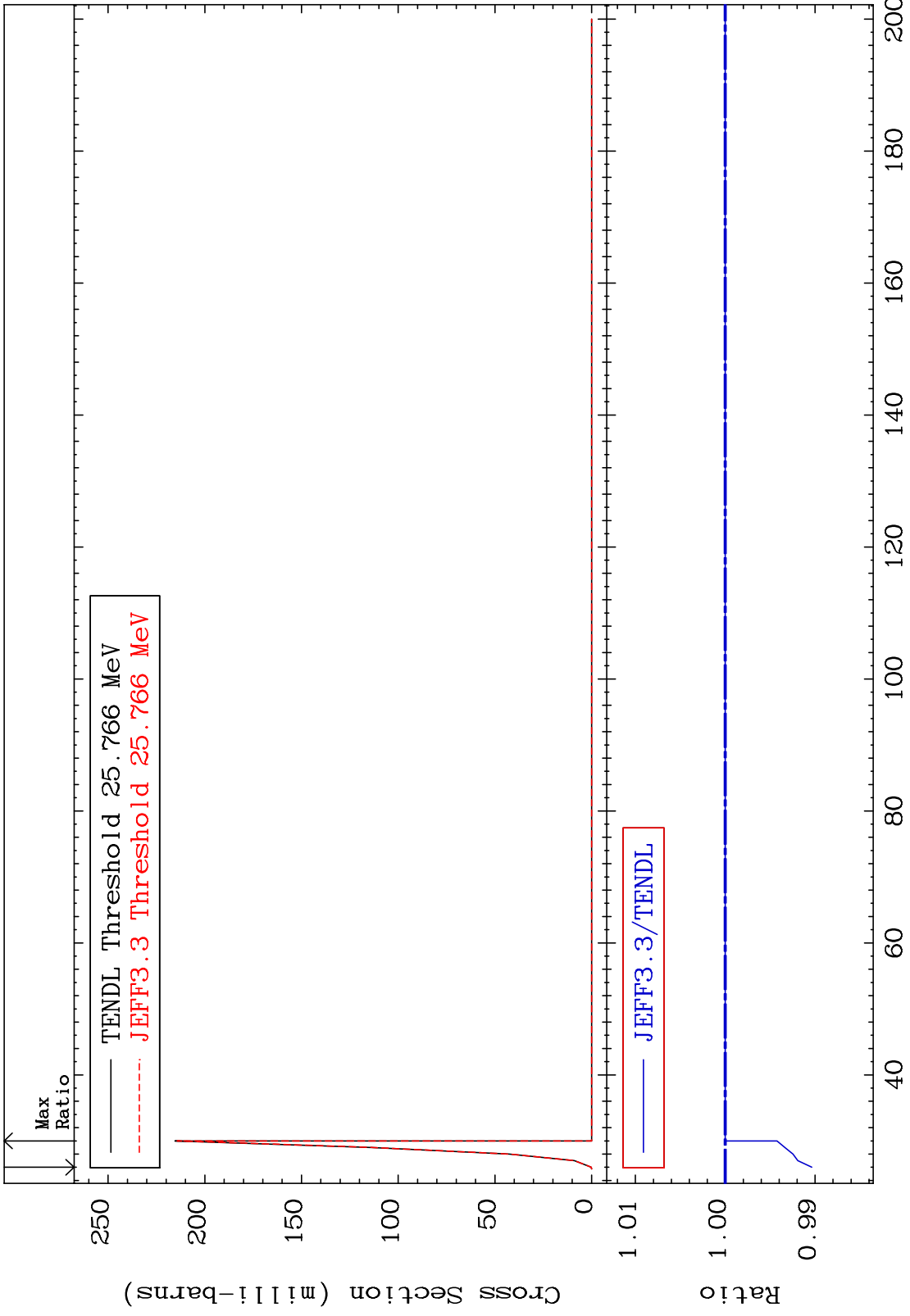


MAT 6625 (n, n') He-3 66-Dy-156  
 Cross Section -0.652 To 0.000 %

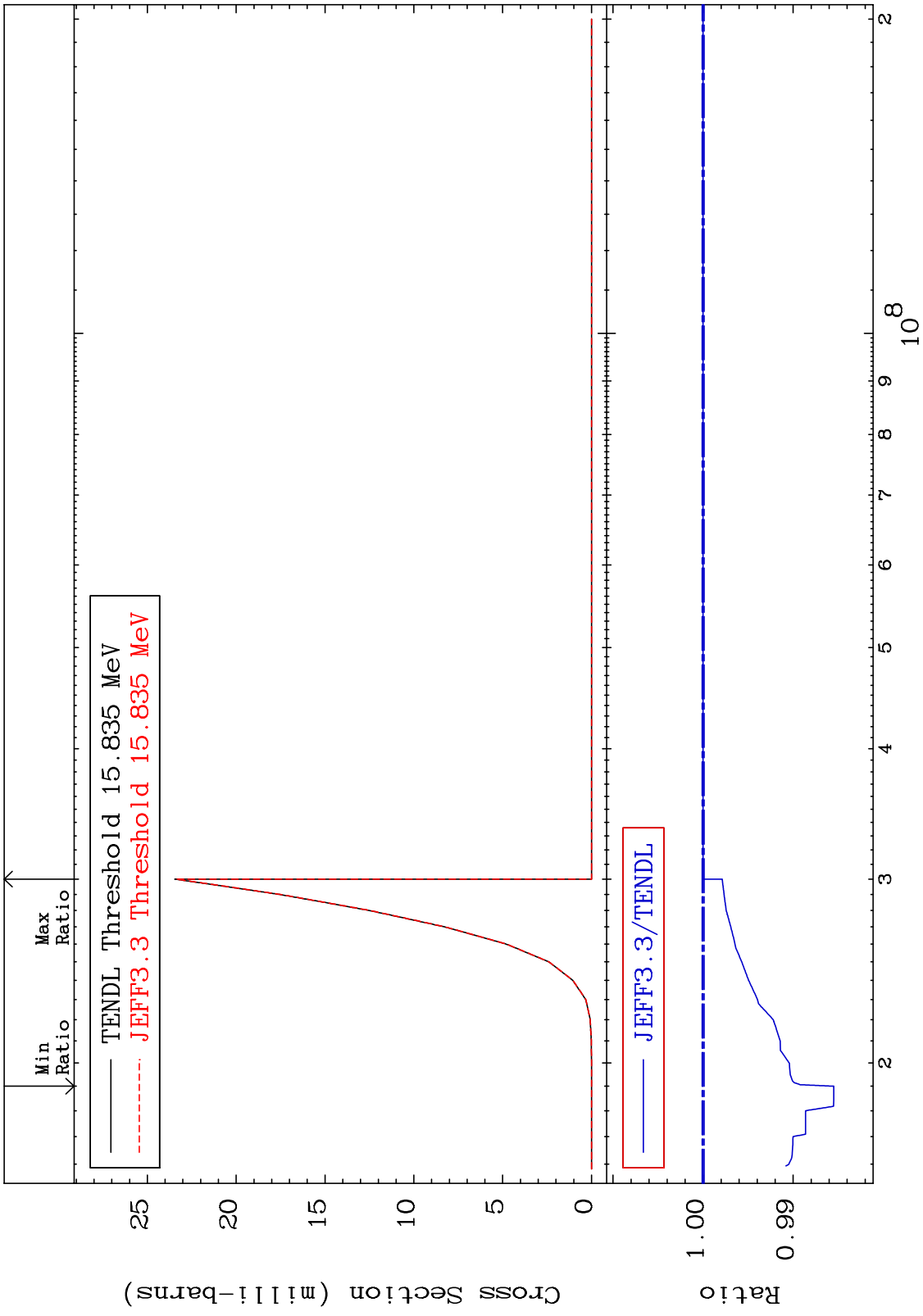




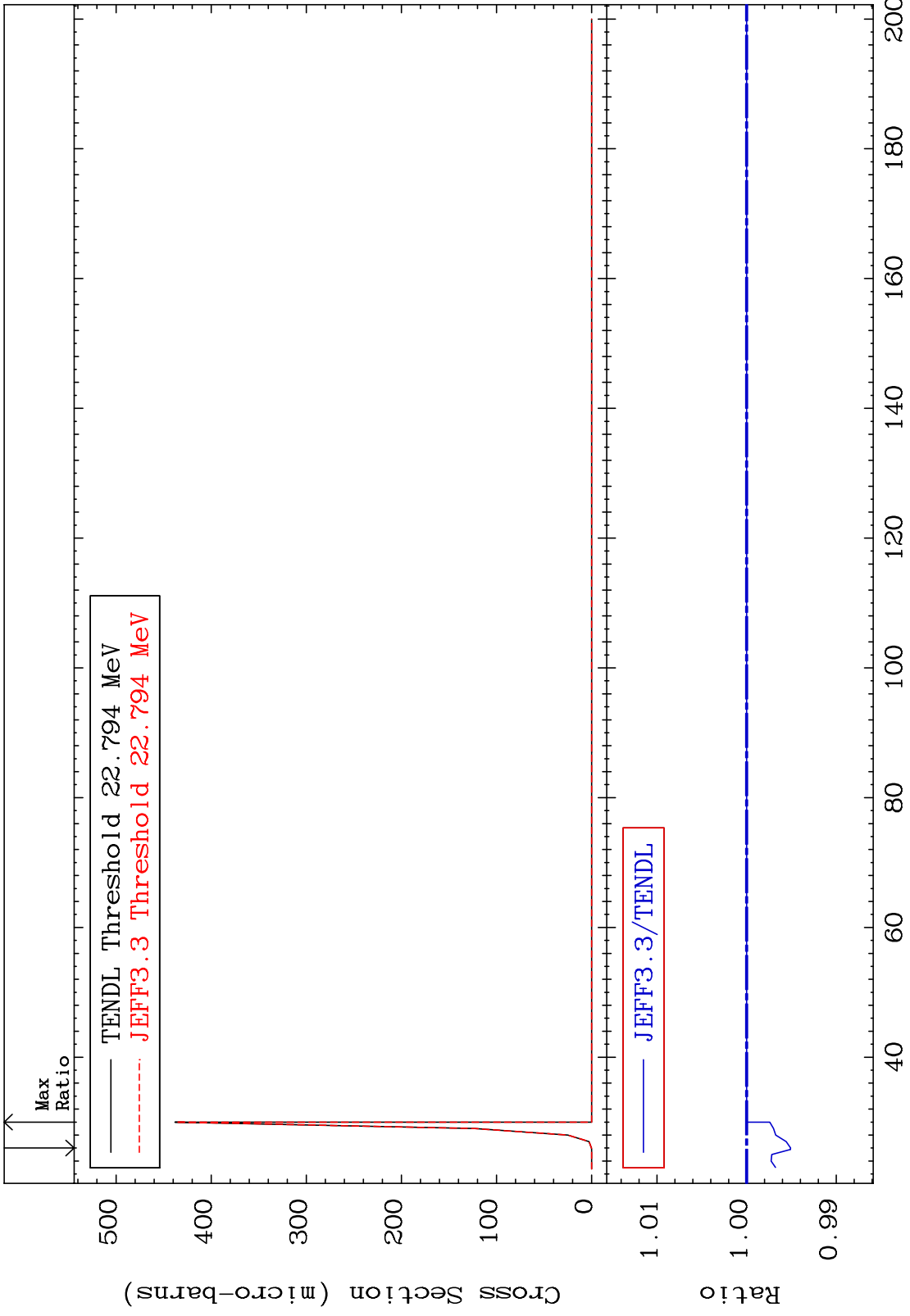
MAT 6625 (n,4n) Cross Section 66-Dy-156 -0.963 To 0.000 %



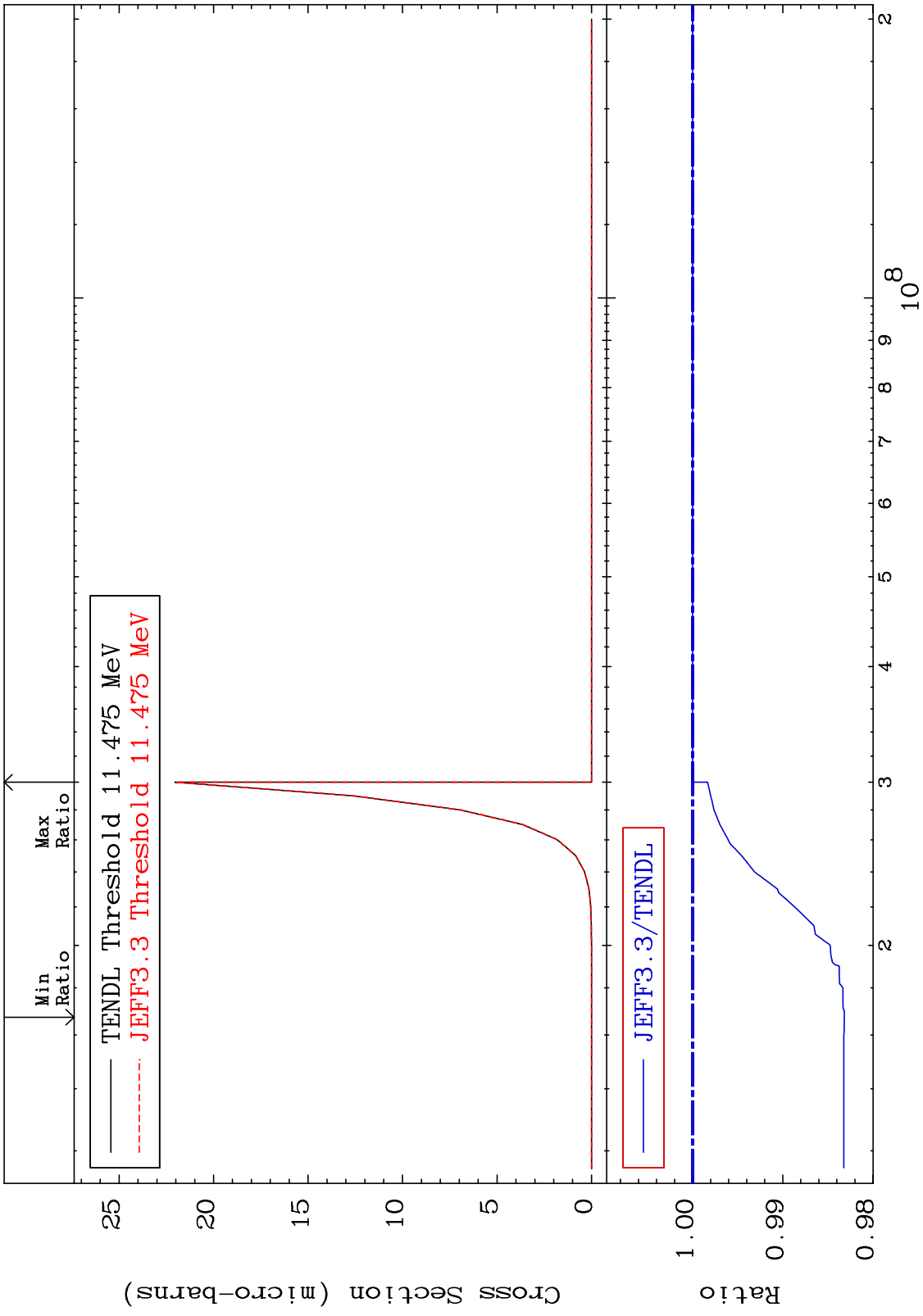
MAT 6625 (n,2n) p 66-Dy-156  
 Cross Section -1.451 To 0.000 %



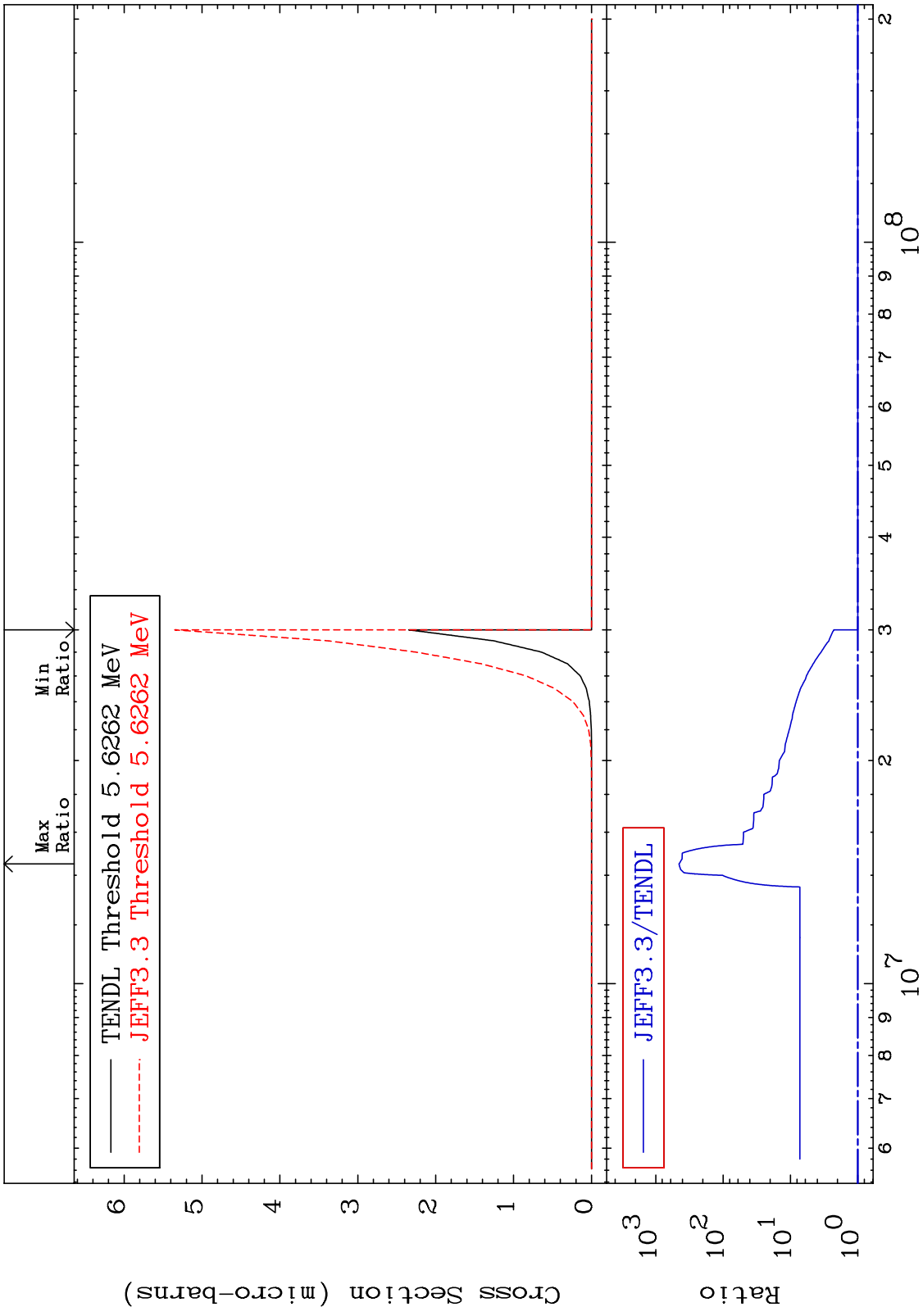
MAT 6625 (n,3n) p 66-Dy-156  
Cross Section -0.490 To 0.000 %



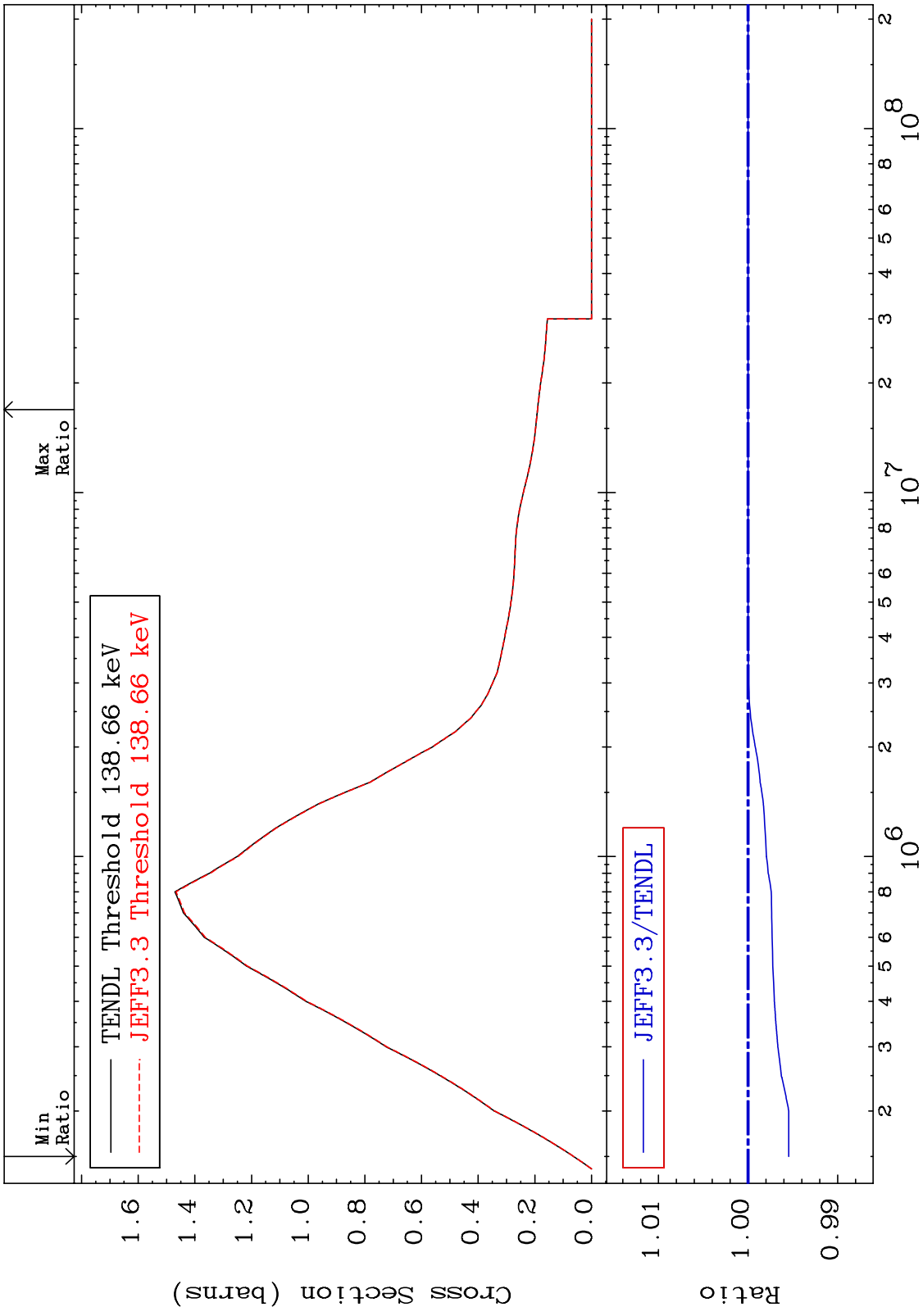
MAT 6625  $(n, 2n)$  p  $^{66}\text{Dy}-156$   
 Cross Section  $-1.682$  To  $0.000$  %



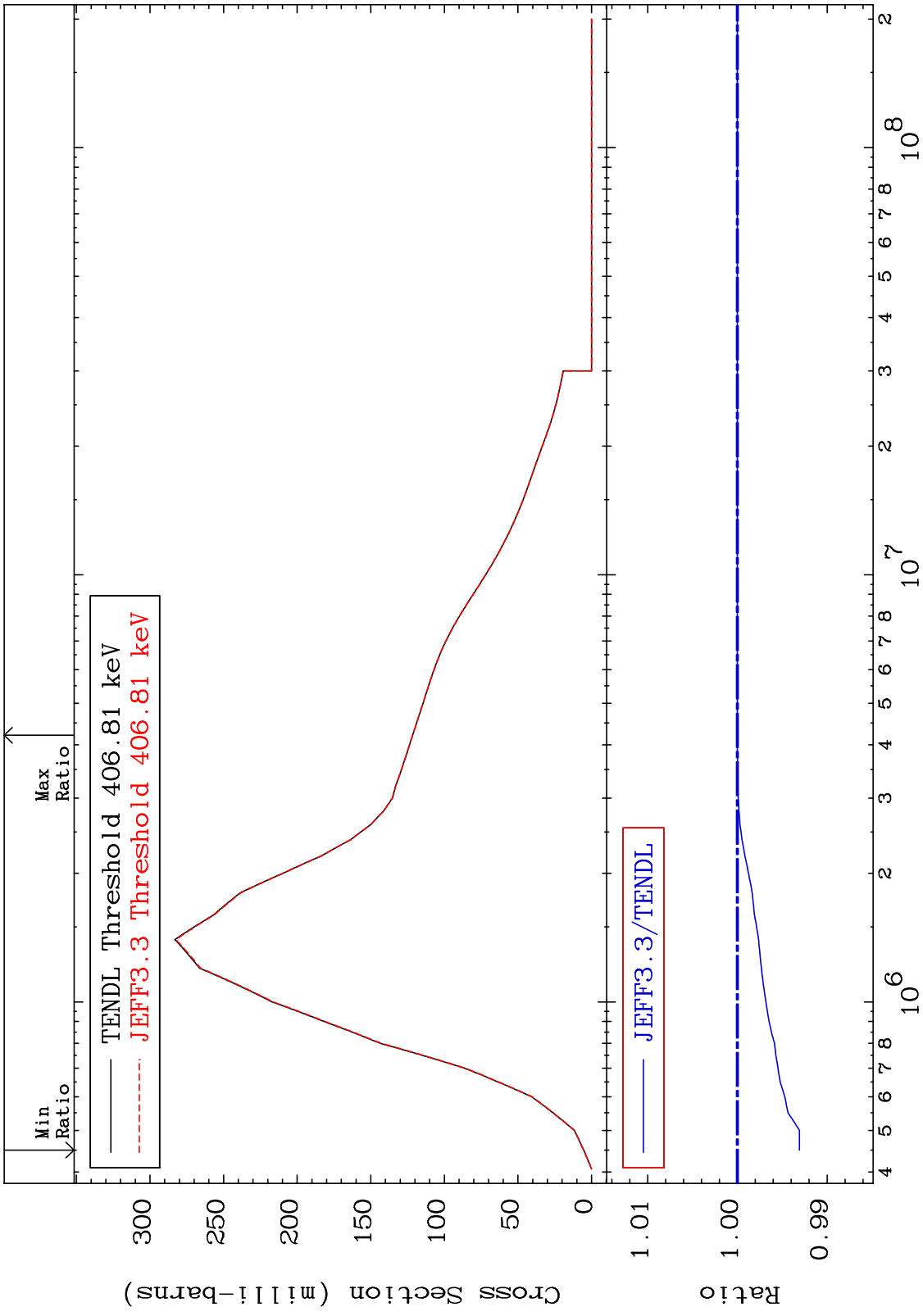
MAT 6625  $(n, n')$  p  $\alpha$  66-Dy-156  
 Cross Section To 9999. %



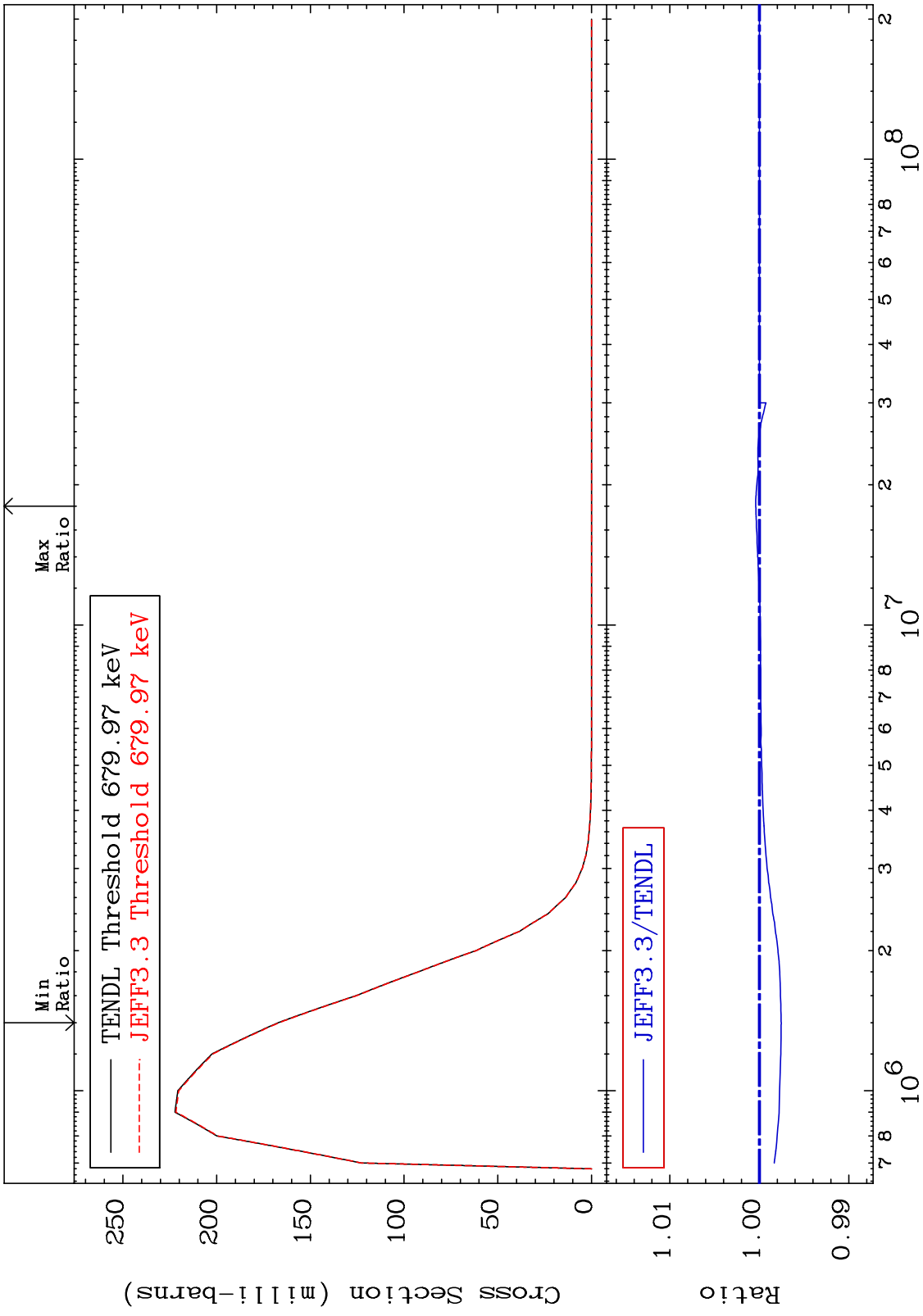
MAT 6625 MT= 51 (n,n') Level Cross Section 66-Dy-156 -0.453 To 0.000 %



MAT 6625 MT= 52 (n,n') Level Cross Section 66-Dy-156  
 -0.693 To 0.000 %



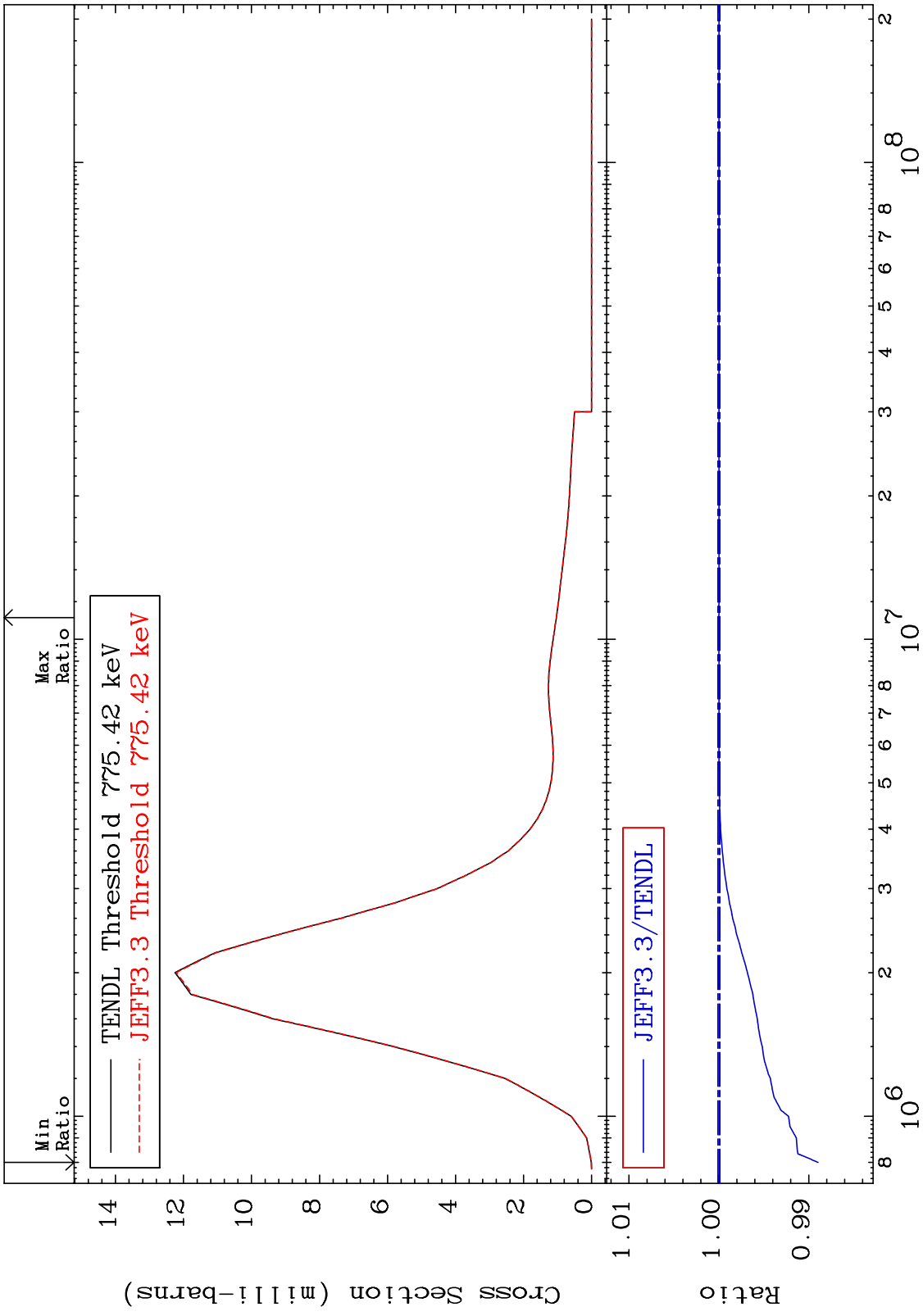
MAT 6625 MT= 53 (n,n') Level Cross Section 66-Dy-156  
 -0.244 To 0.041 %



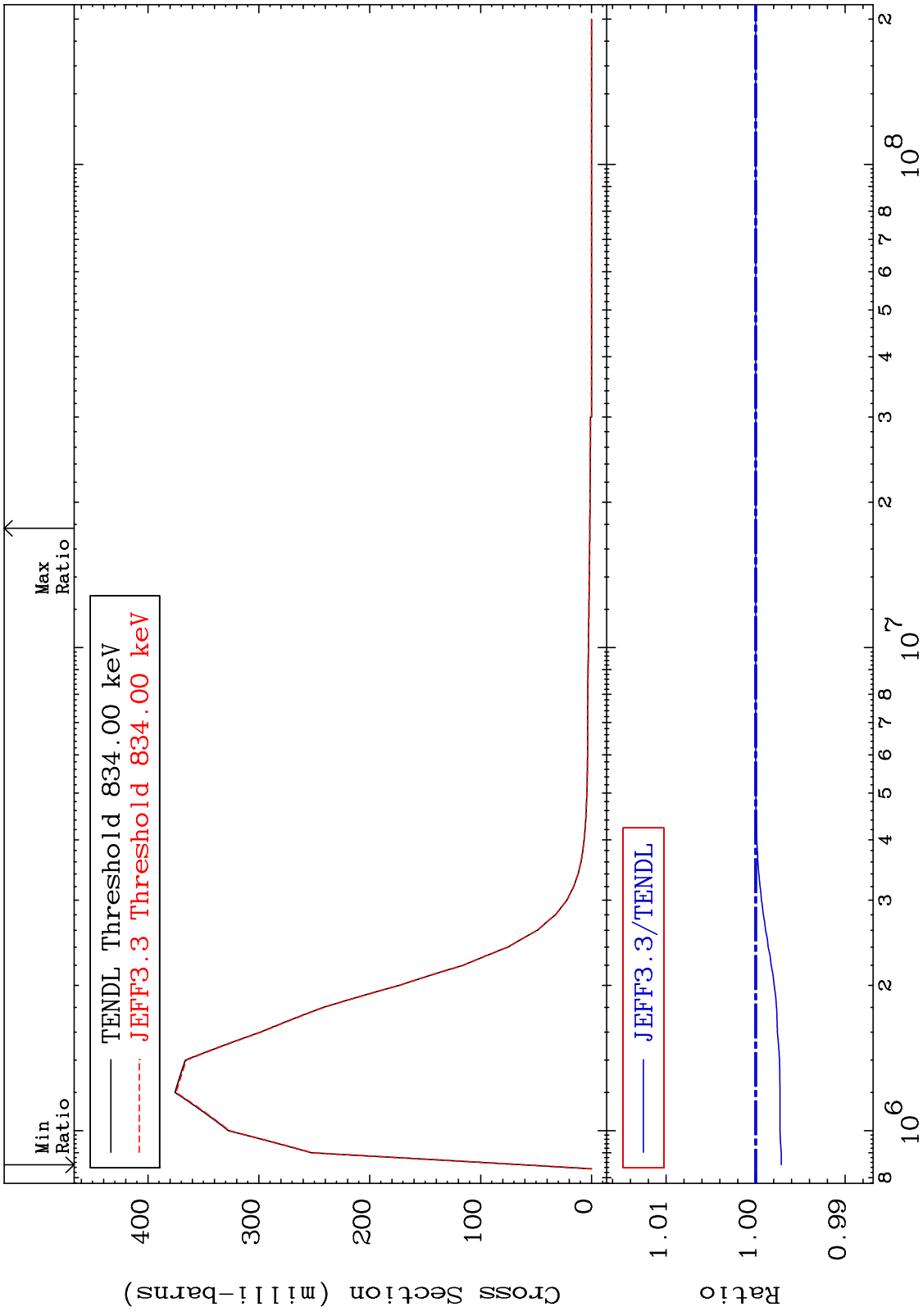
23 Incident Energy (eV) 66-Dy-156



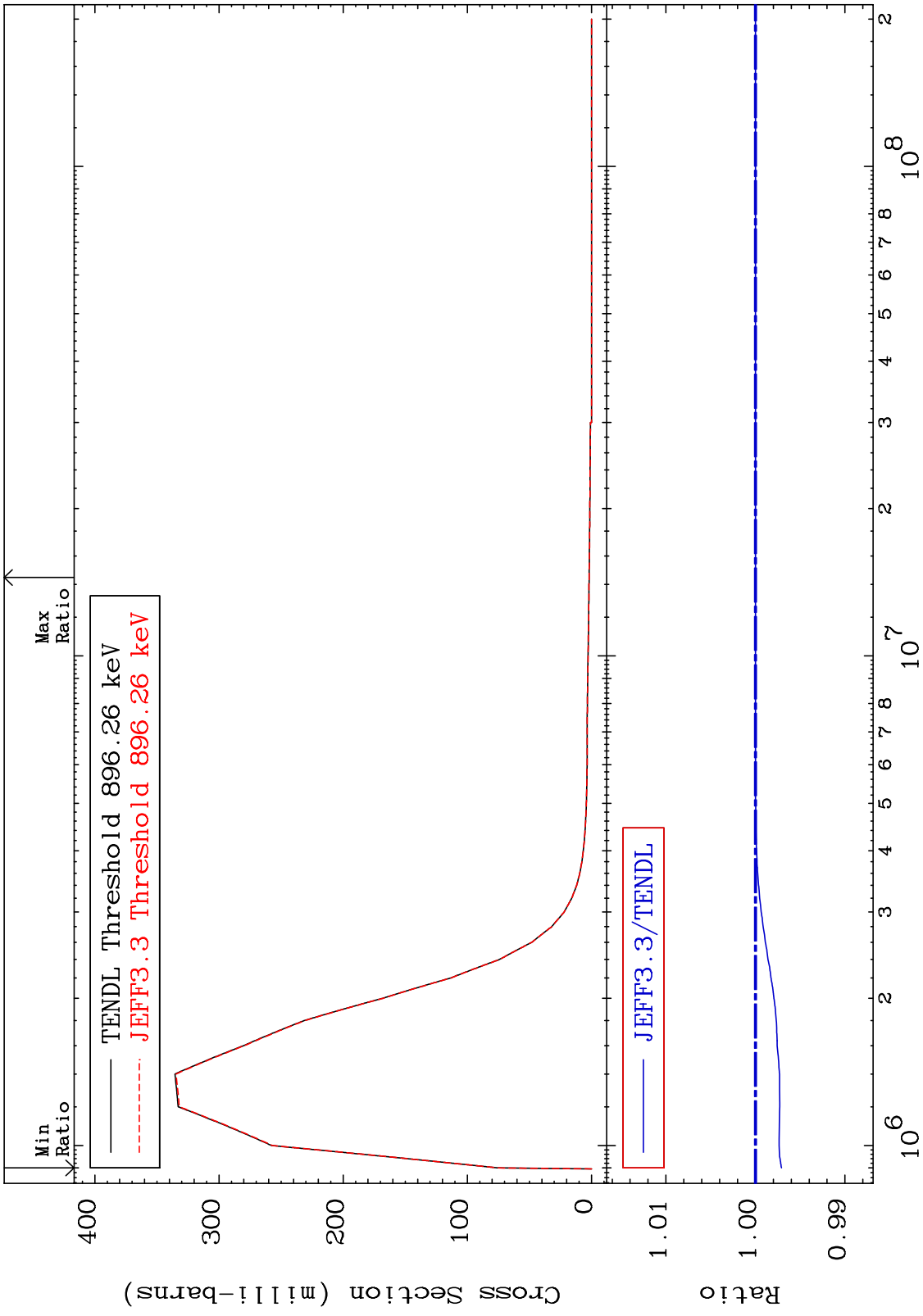
MAT 6625      MT= 54 (n,n') Level      66-Dy-156  
 Cross Section      -1.103 To 0.000 %



MAT 6625 MT= 55 (n,n') Level Cross Section 66-Dy-156 -0.285 To 0.000 %

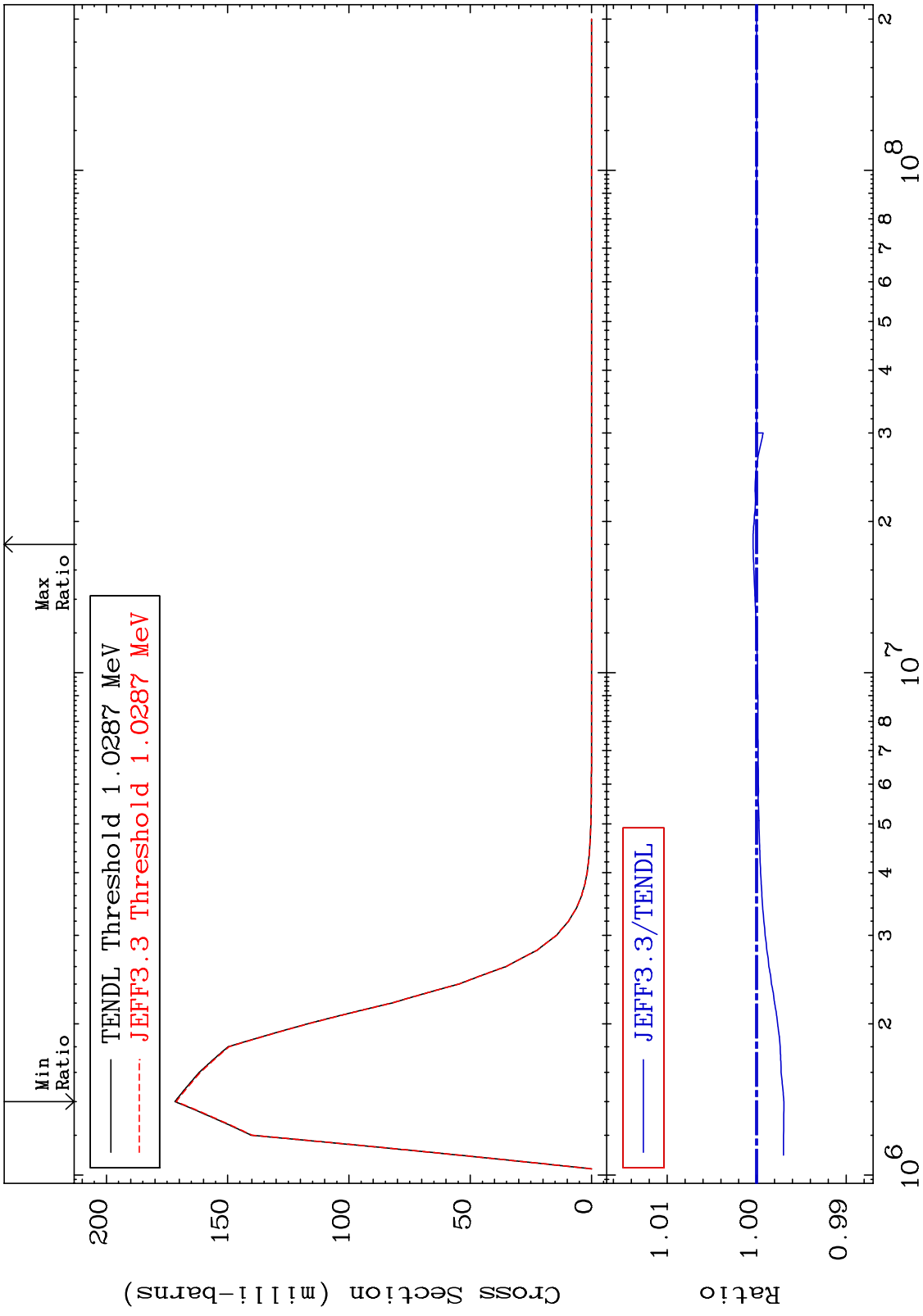


MAT 6625 MT= 56 (n,n') Level Cross Section 66-Dy-156 -0.290 To 0.000 %



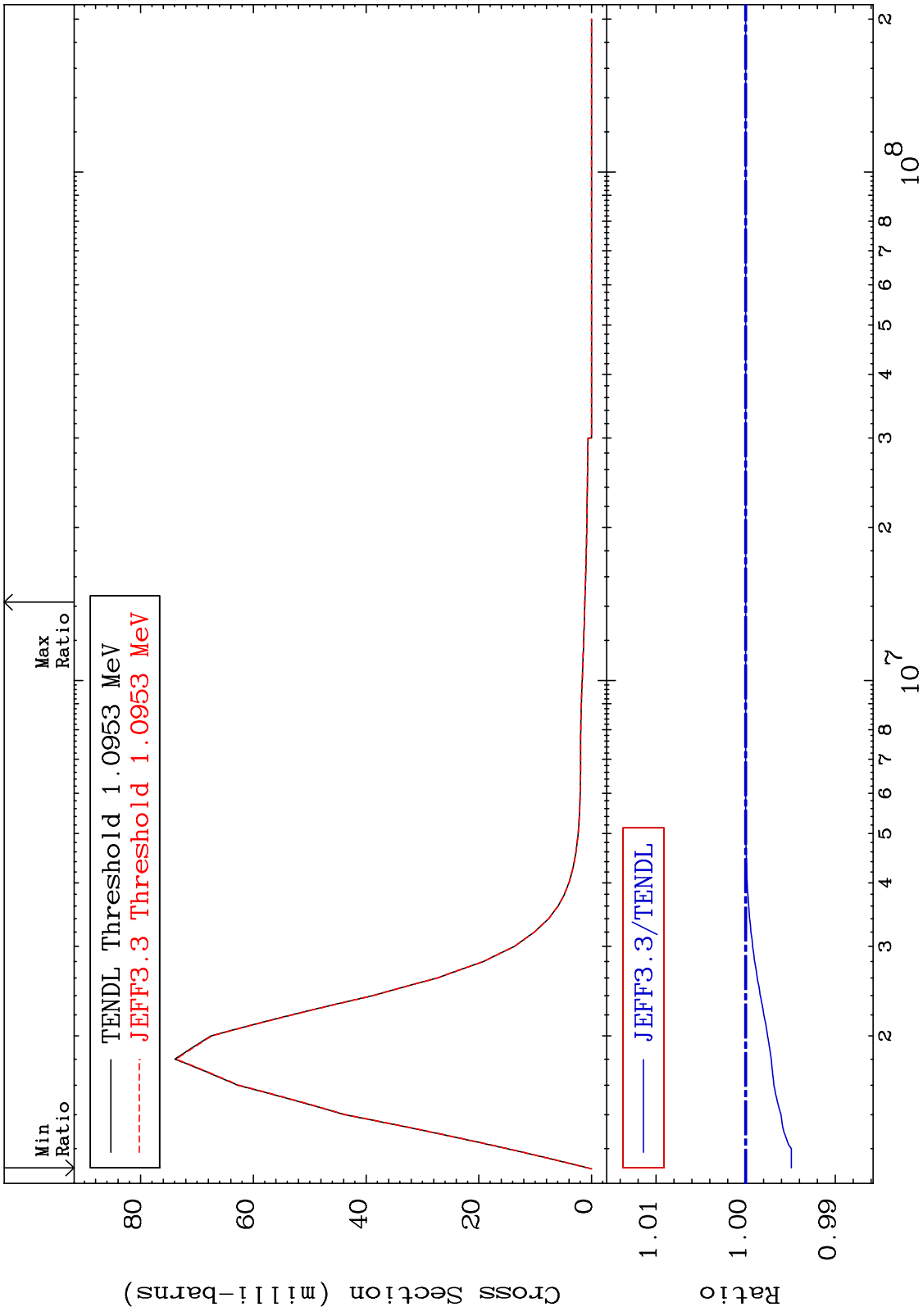
26 66-Dy-156

MAT 6625 MT= 57 (n, n') Level Cross Section 66-Dy-156 -0.305 To 0.041 %

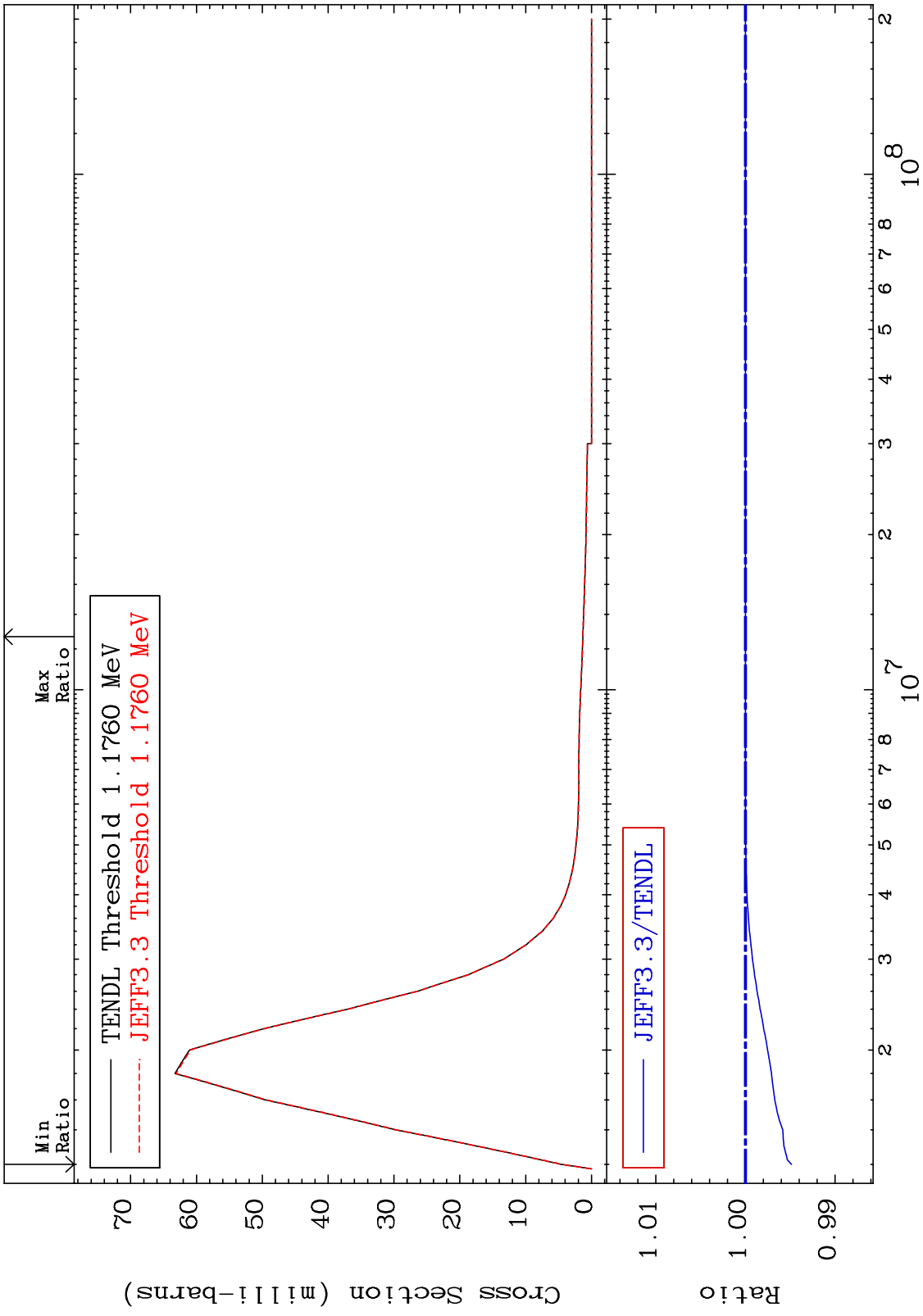


27 66-Dy-156

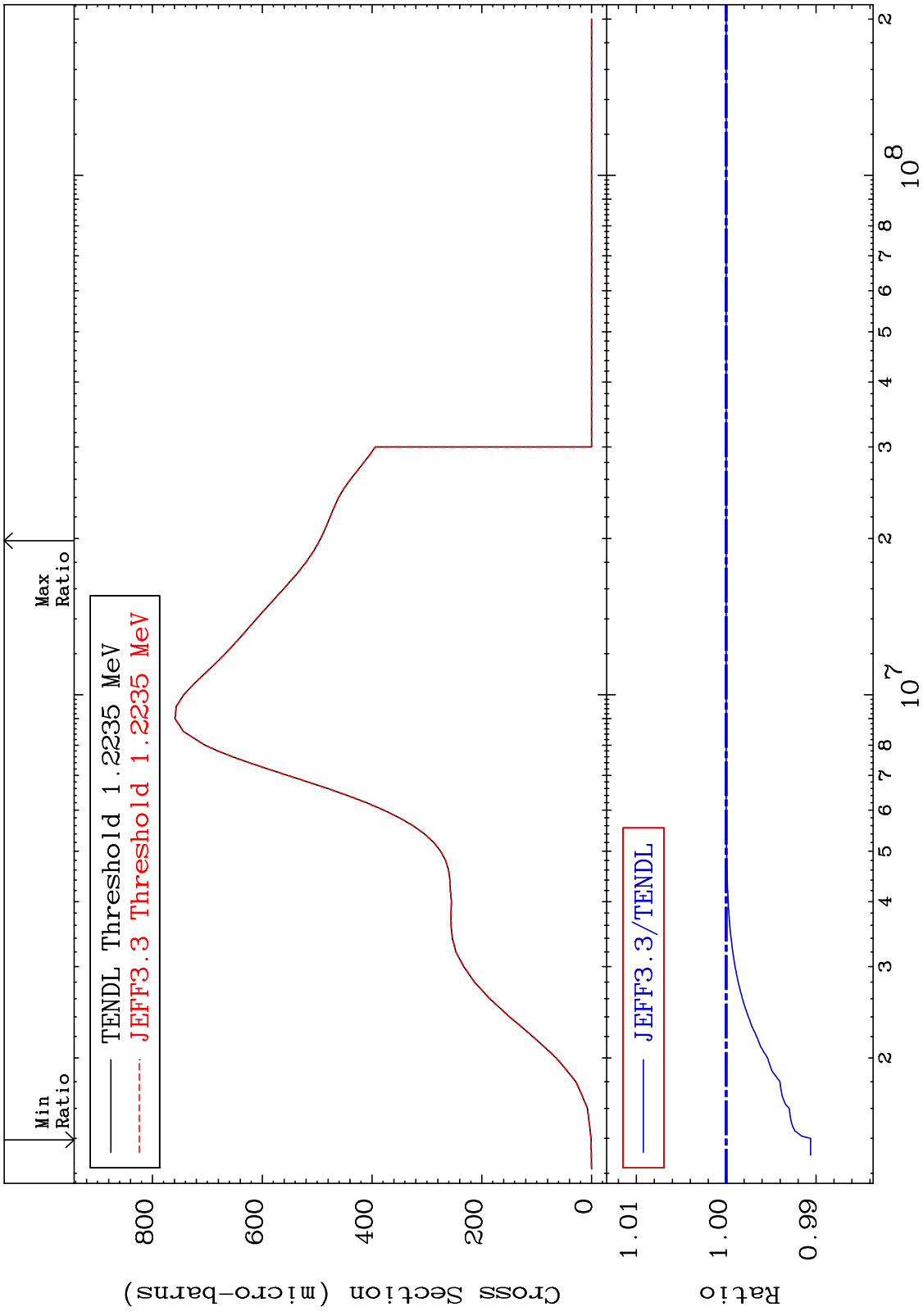
MAT 6625 MT= 58 (n,n') Level Cross Section 66-Dy-156 -0.510 To 0.000 %



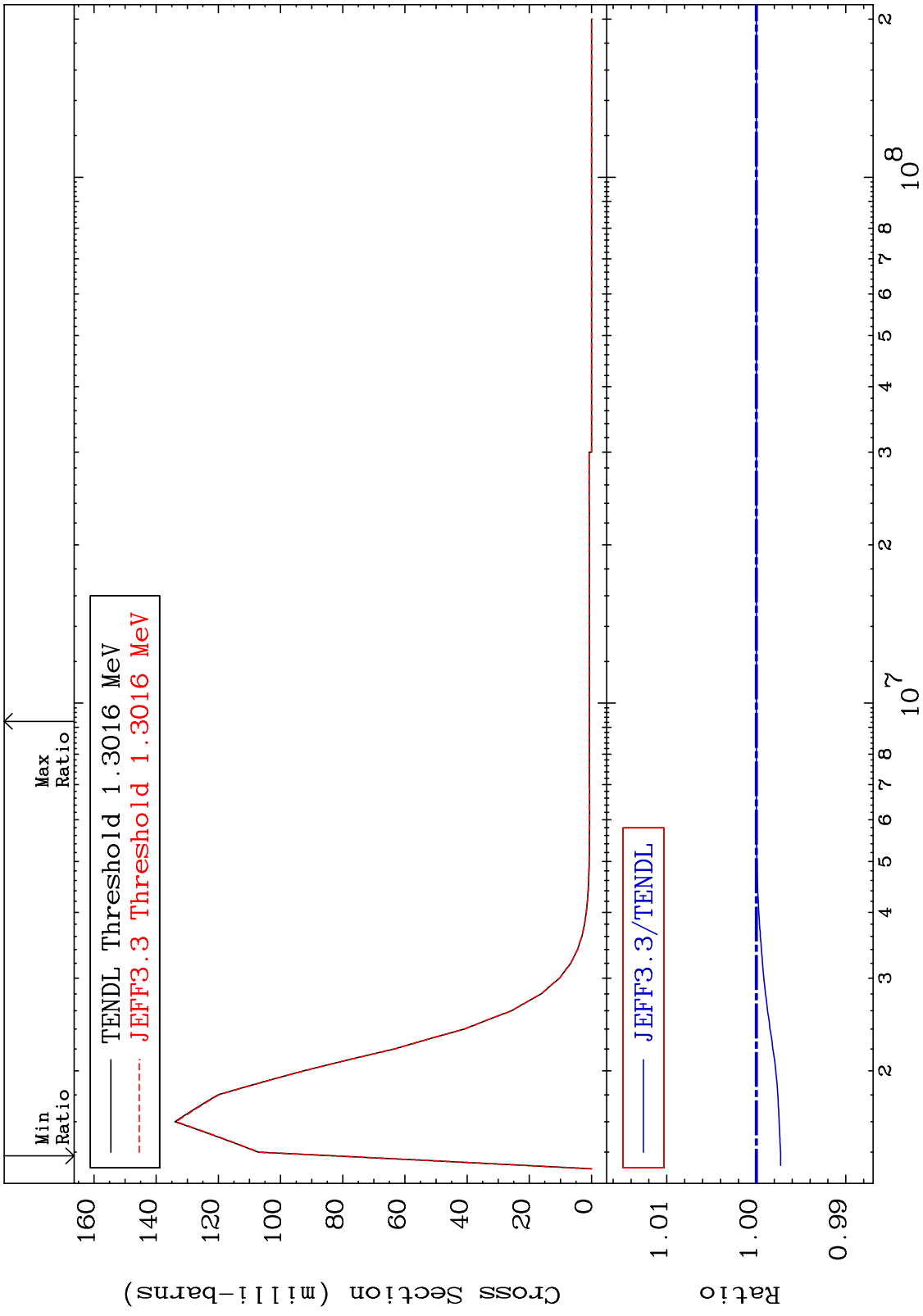
MAT 6625 MT= 59 (n,n') Level Cross Section 66-Dy-156 -0.514 To 0.000 %



MAT 6625 MT= 60 (n, n') Level Cross Section 66-Dy-156 -0.940 To 0.000 %

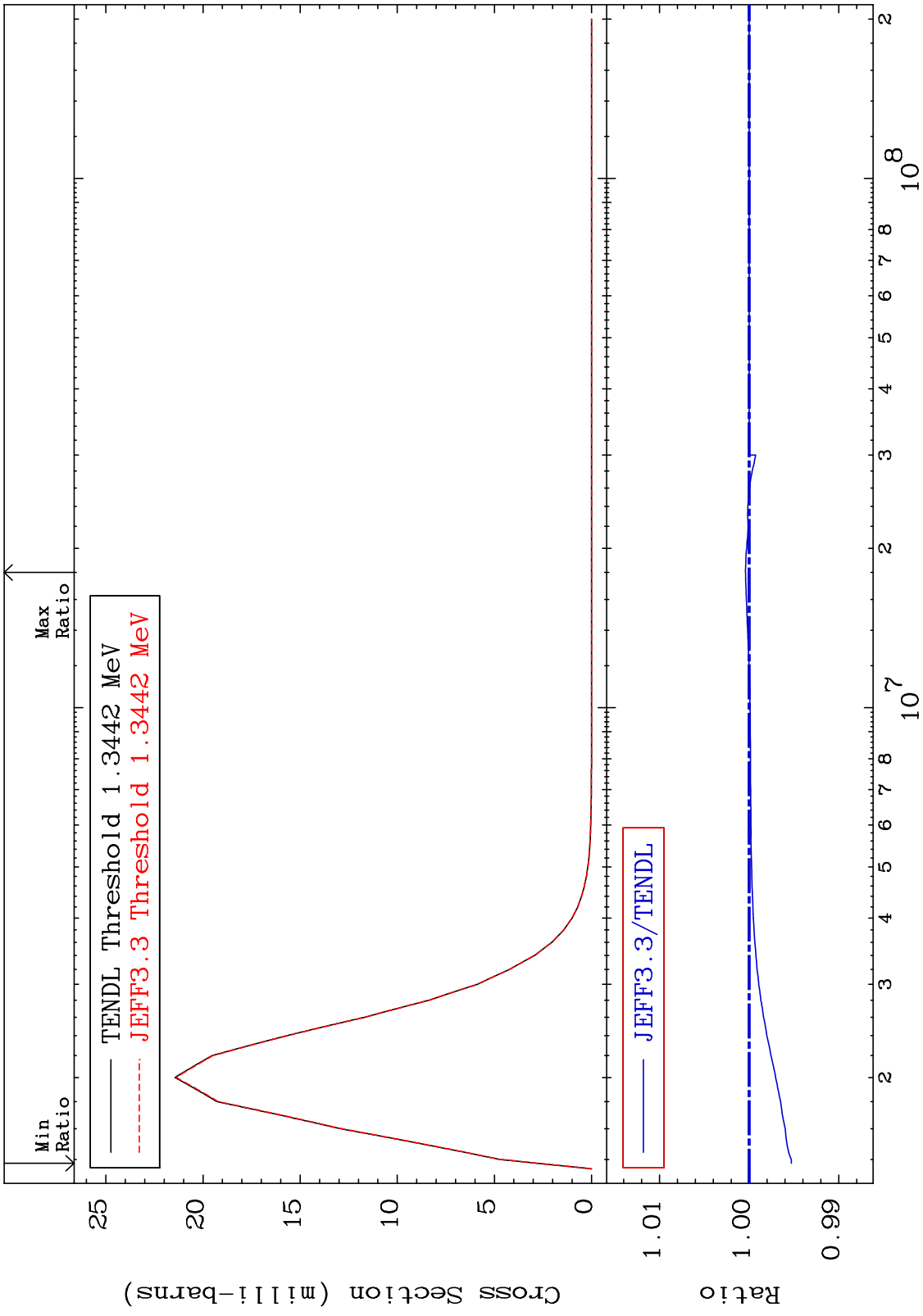


MAT 6625      MT= 61 (n,n') Level Cross Section      66-Dy-156  
 -0.271 To 0.000 %

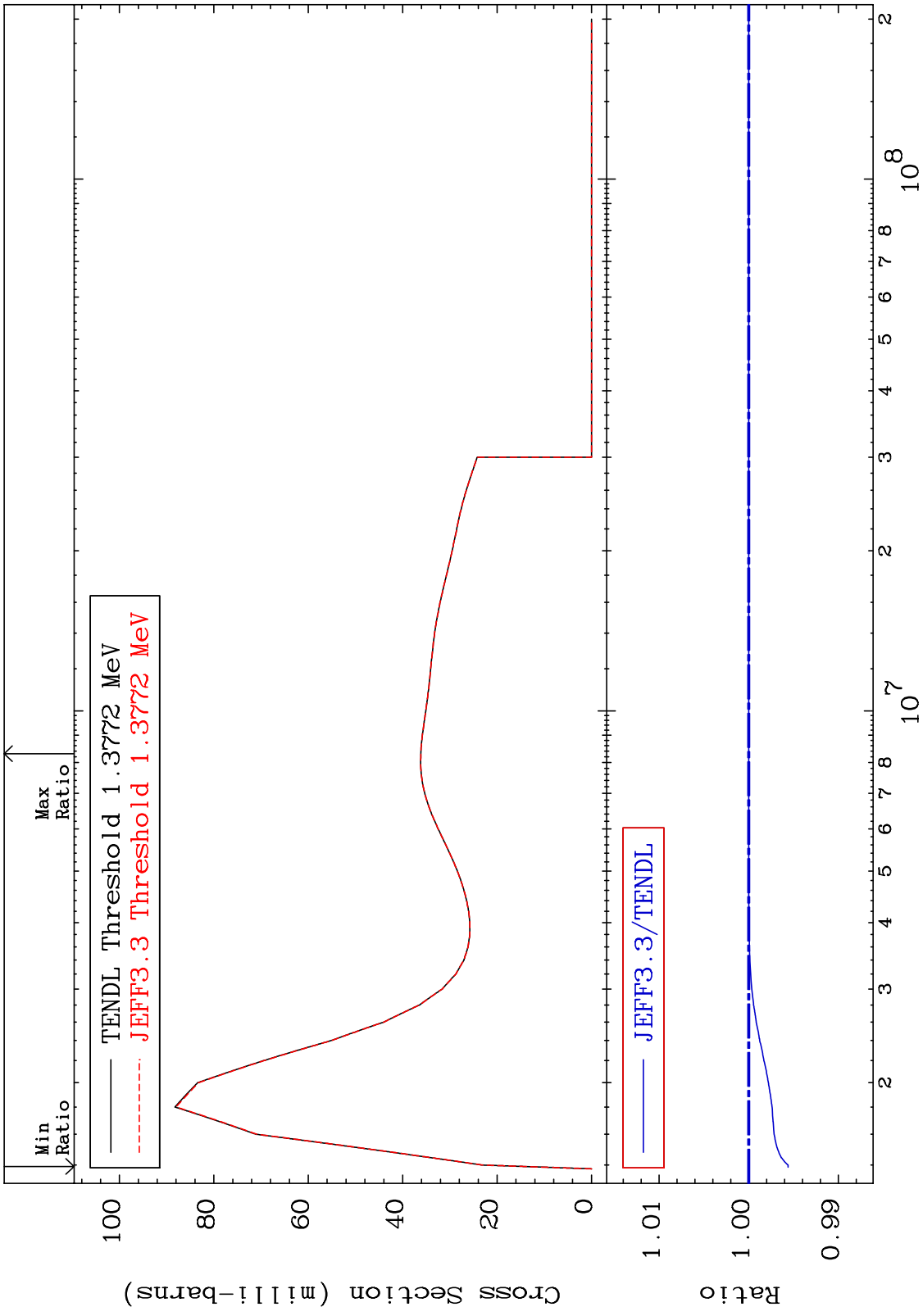




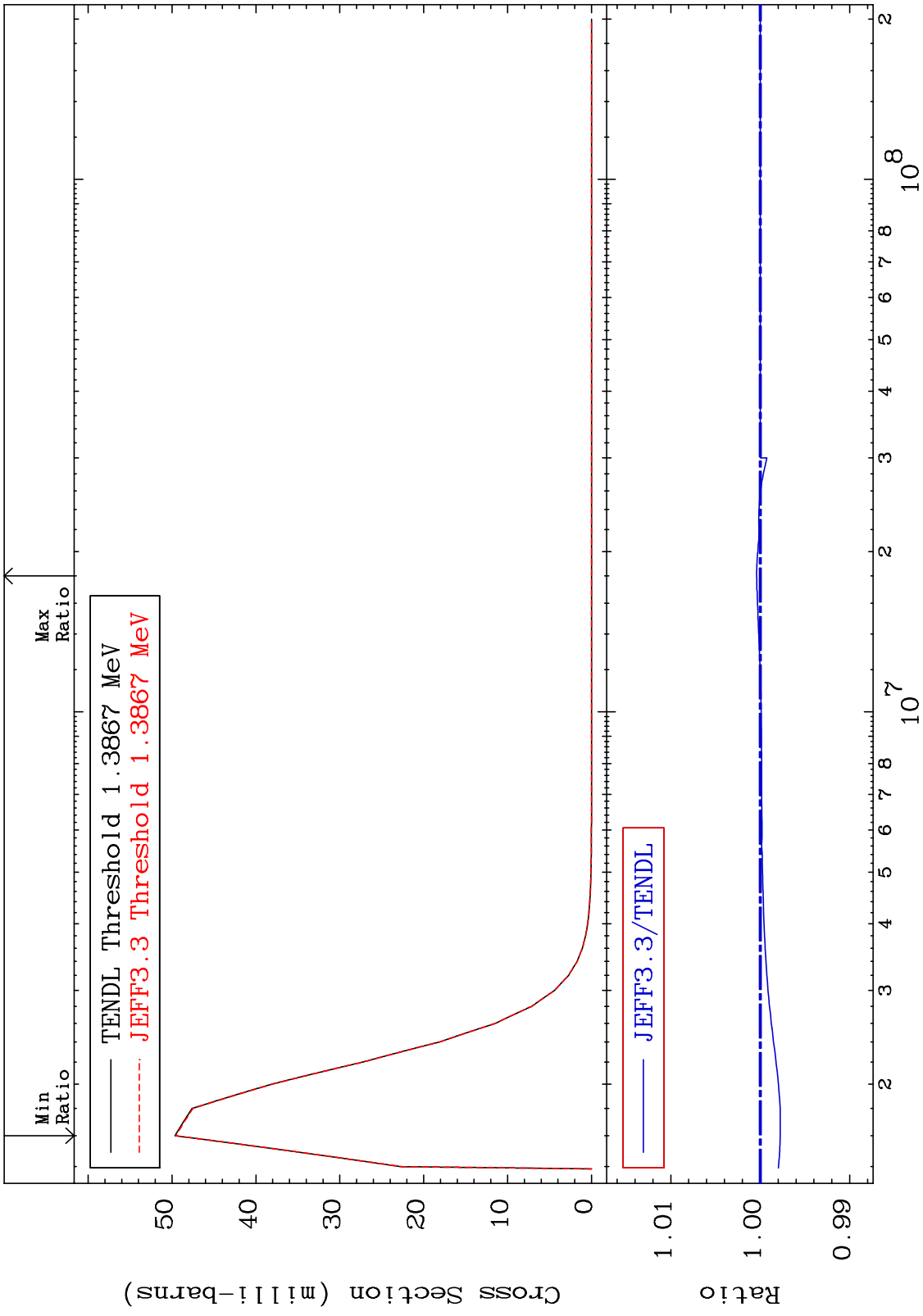
MAT 6625 MT= 62 (n,n') Level Cross Section 66-Dy-156 -0.471 To 0.041 %



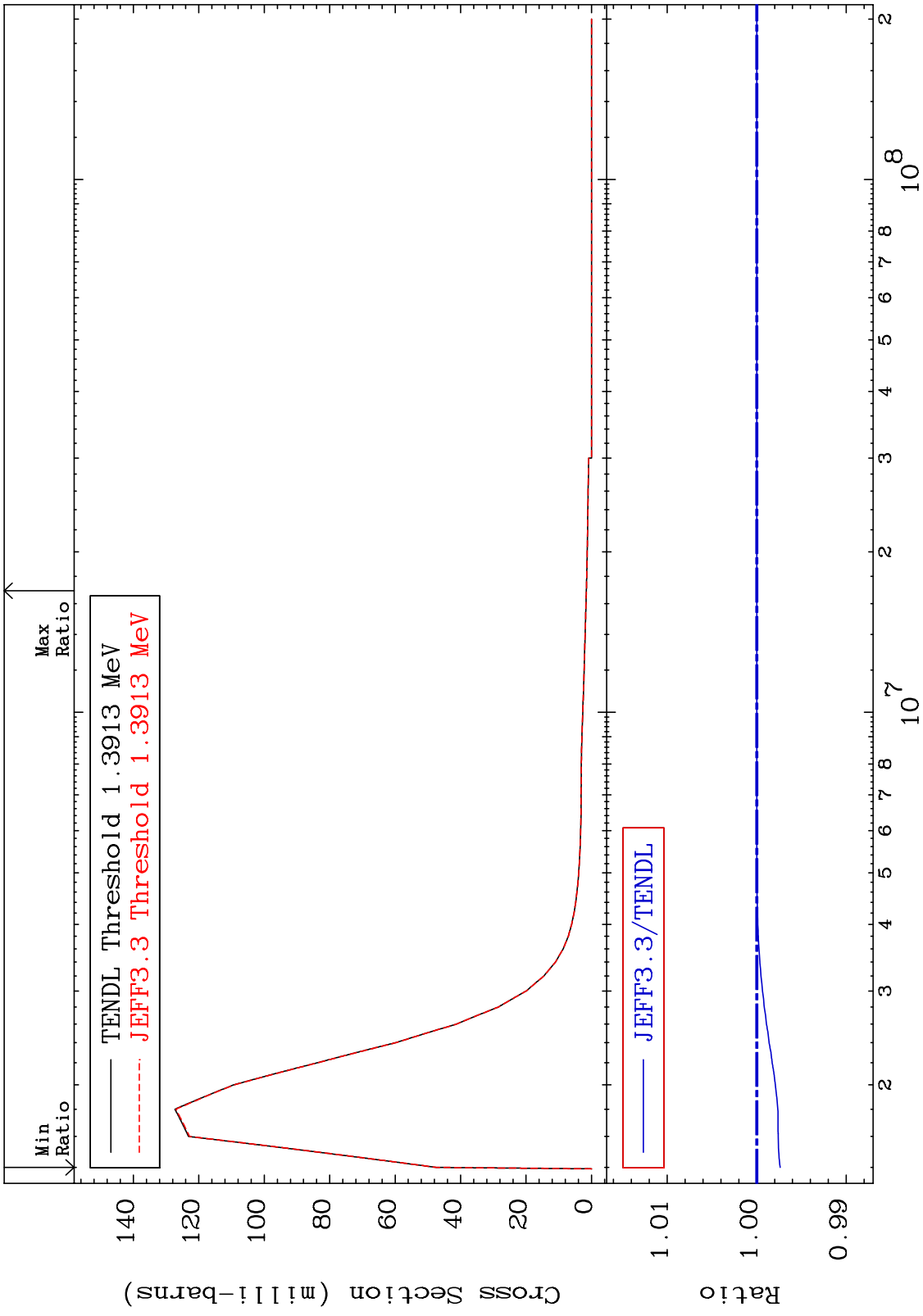
MAT 6625 MT= 63 (n,n') Level Cross Section 66-Dy-156 -0.440 To 0.000 %



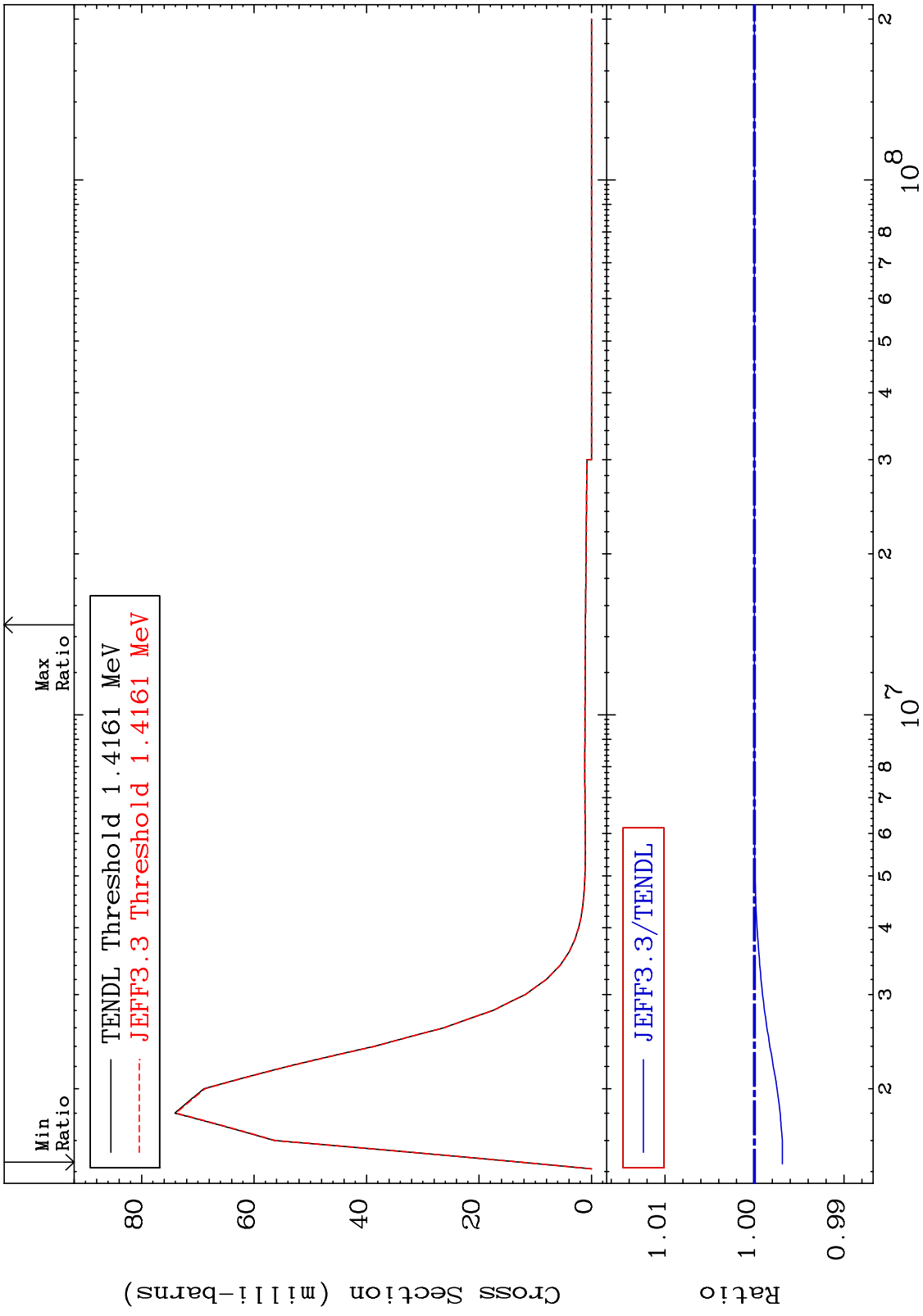
MAT 6625 MT= 64 (n,n') Level Cross Section 66-Dy-156  
 -0.224 To 0.041 %



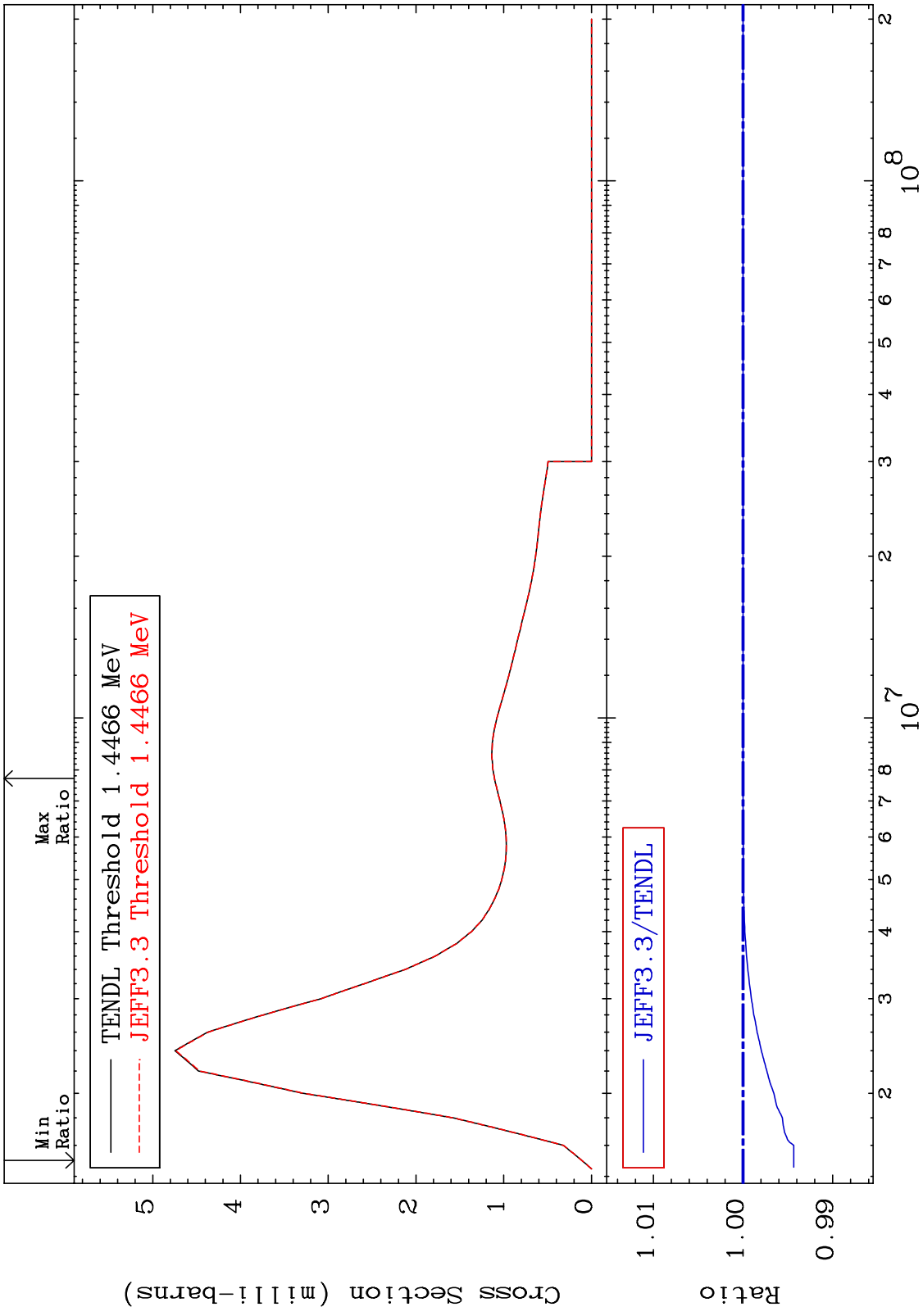
MAT 6625      MT= 65 (n,n') Level Cross Section      66-Dy-156  
 -0.262 To 0.000 %



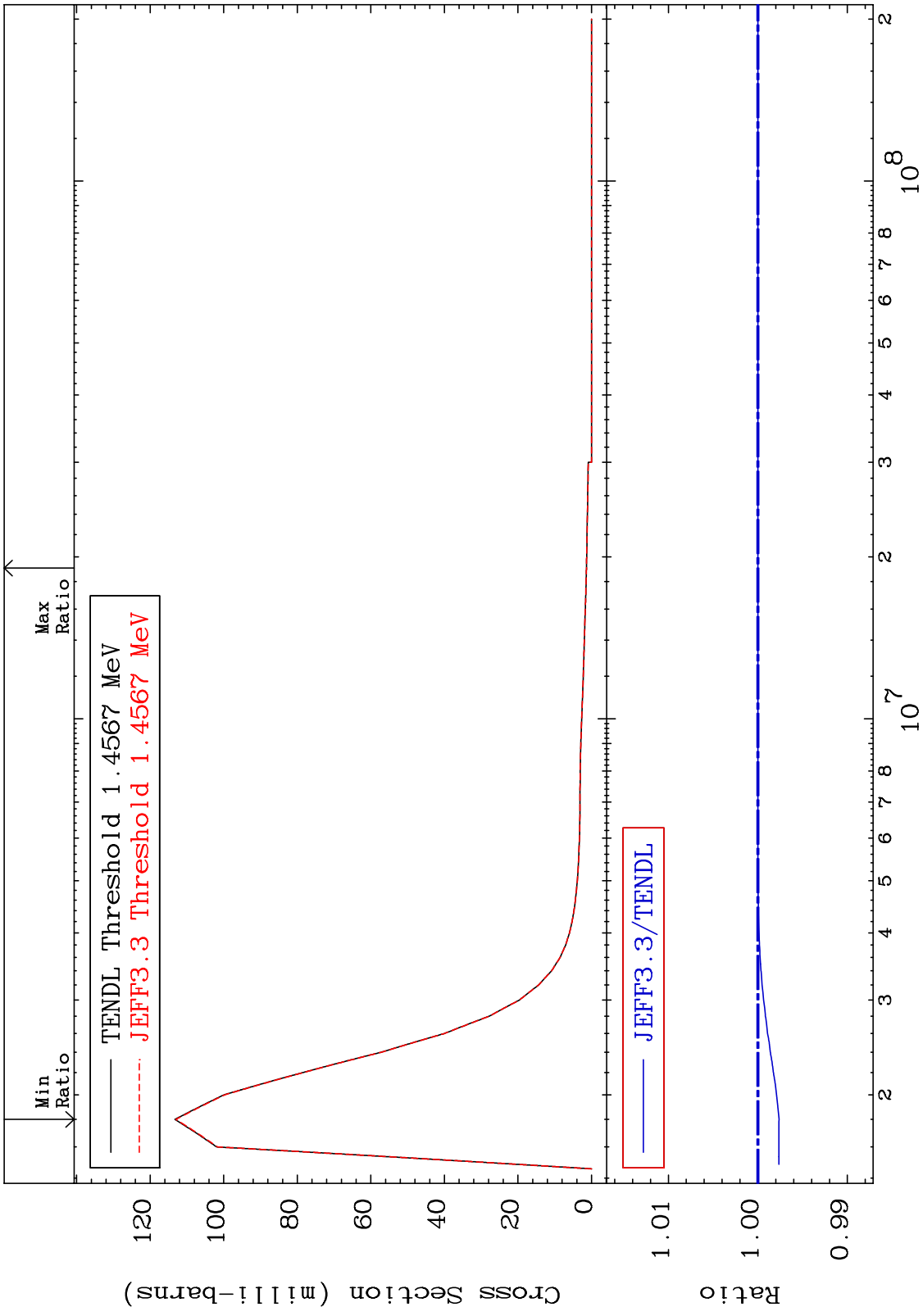
MAT 6625 MT= 66 (n,n') Level Cross Section 66-Dy-156 -0.312 To 0.000 %



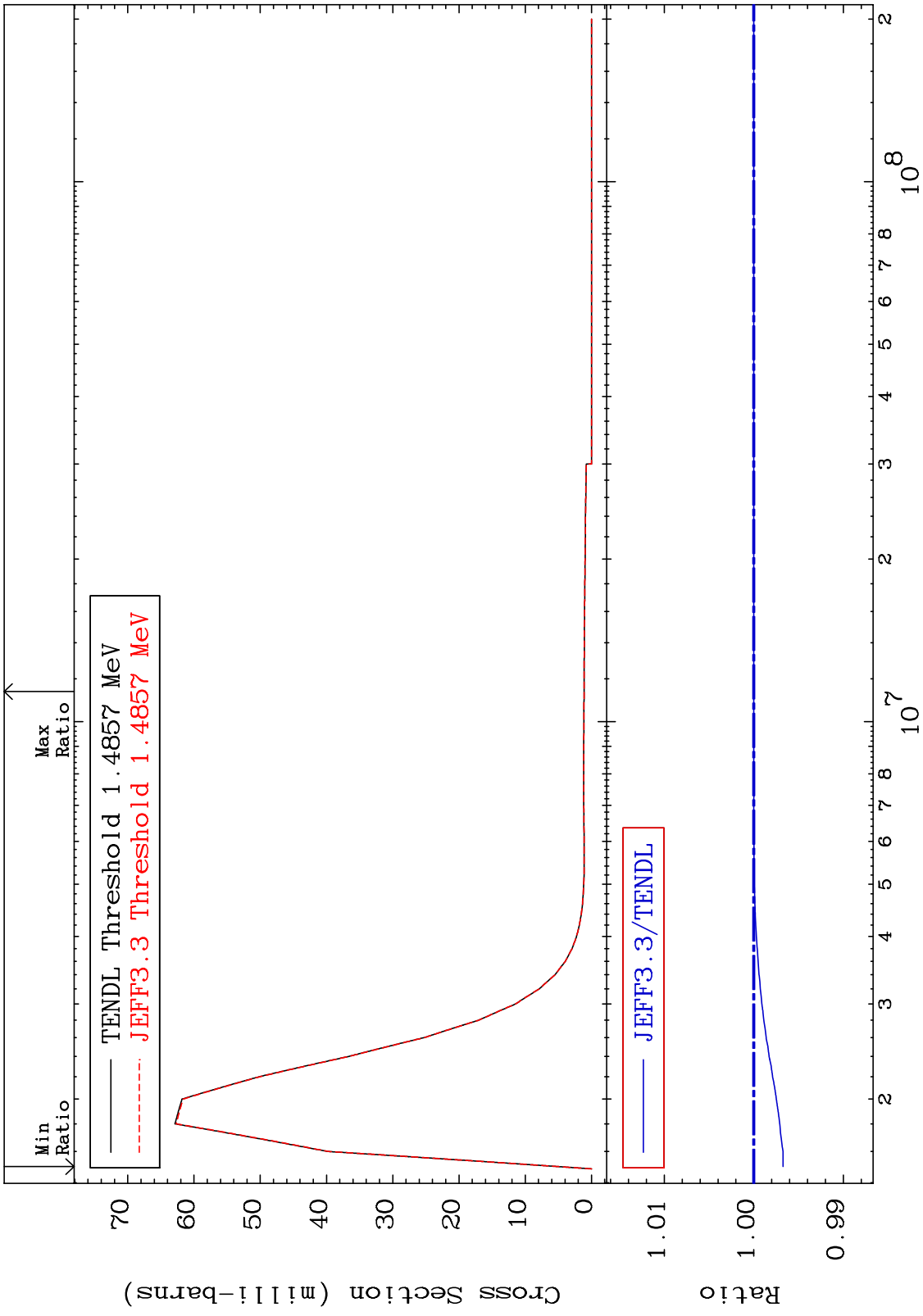
MAT 6625 MT= 67 (n,n') Level Cross Section 66-Dy-156 -0.565 To 0.000 %



MAT 6625 MT= 68 (n,n') Level Cross Section 66-Dy-156 -0.236 To 0.000 %

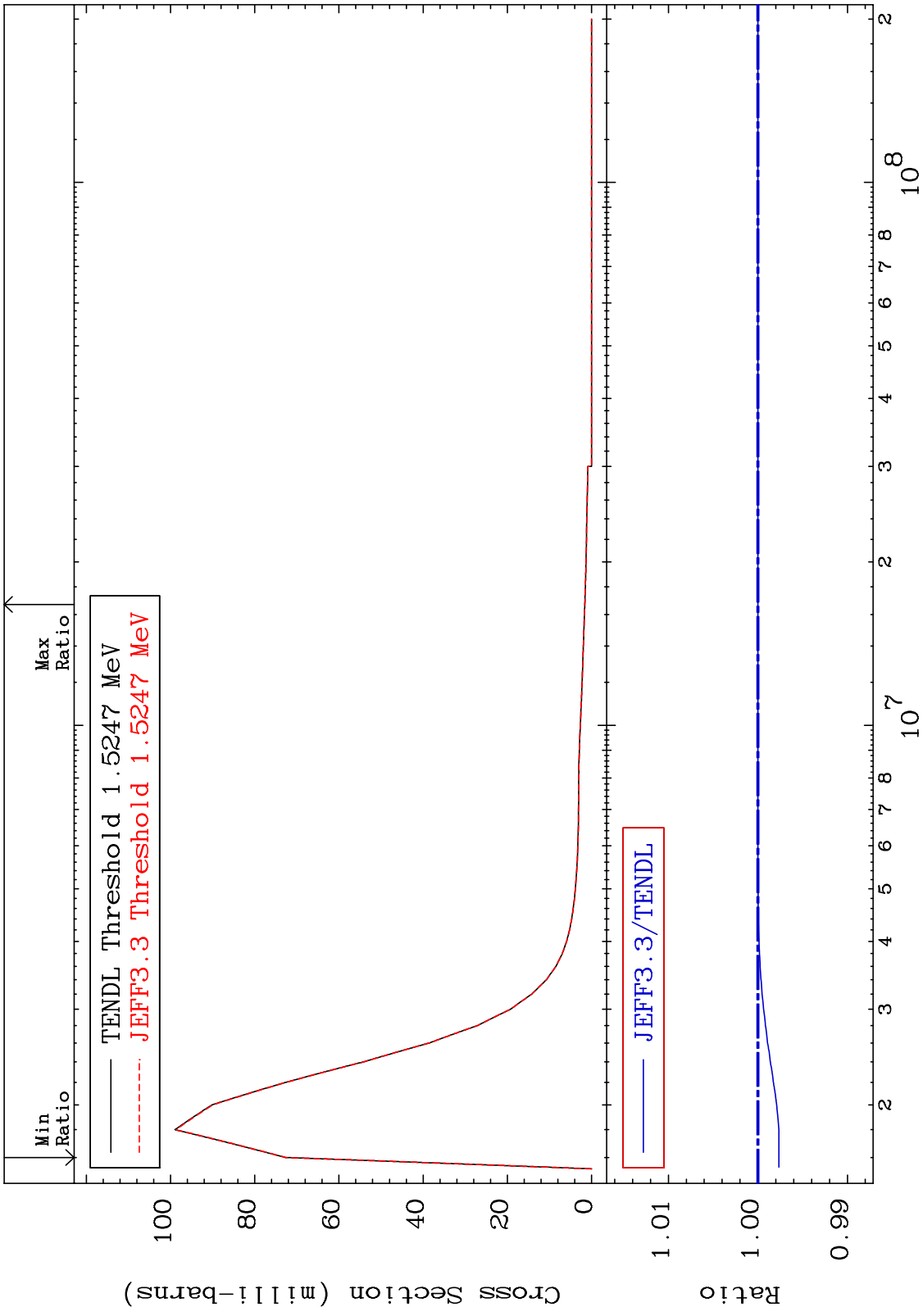


MAT 6625      MT= 69 (n,n') Level Cross Section      66-Dy-156  
 -0.327 To 0.000 %

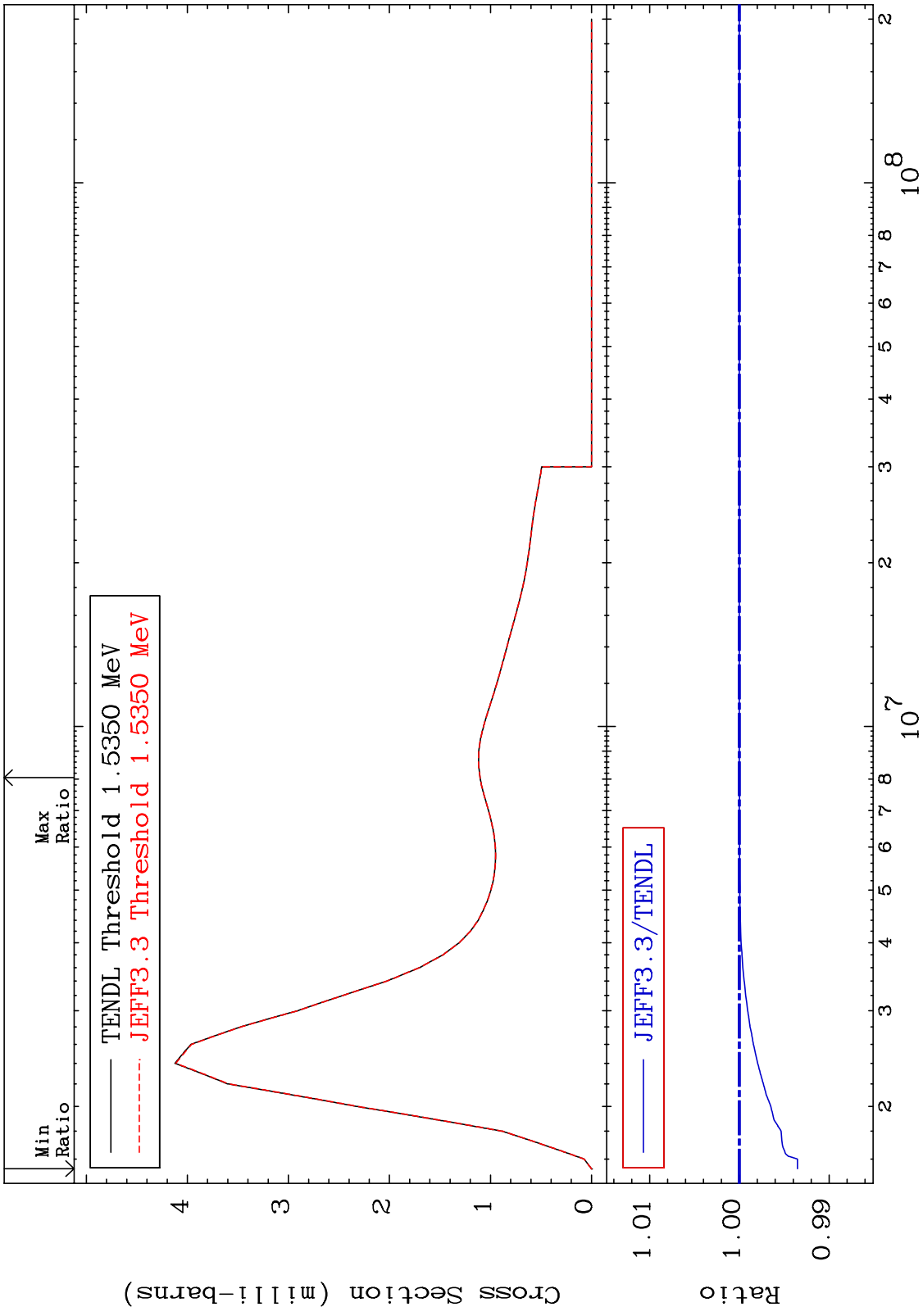




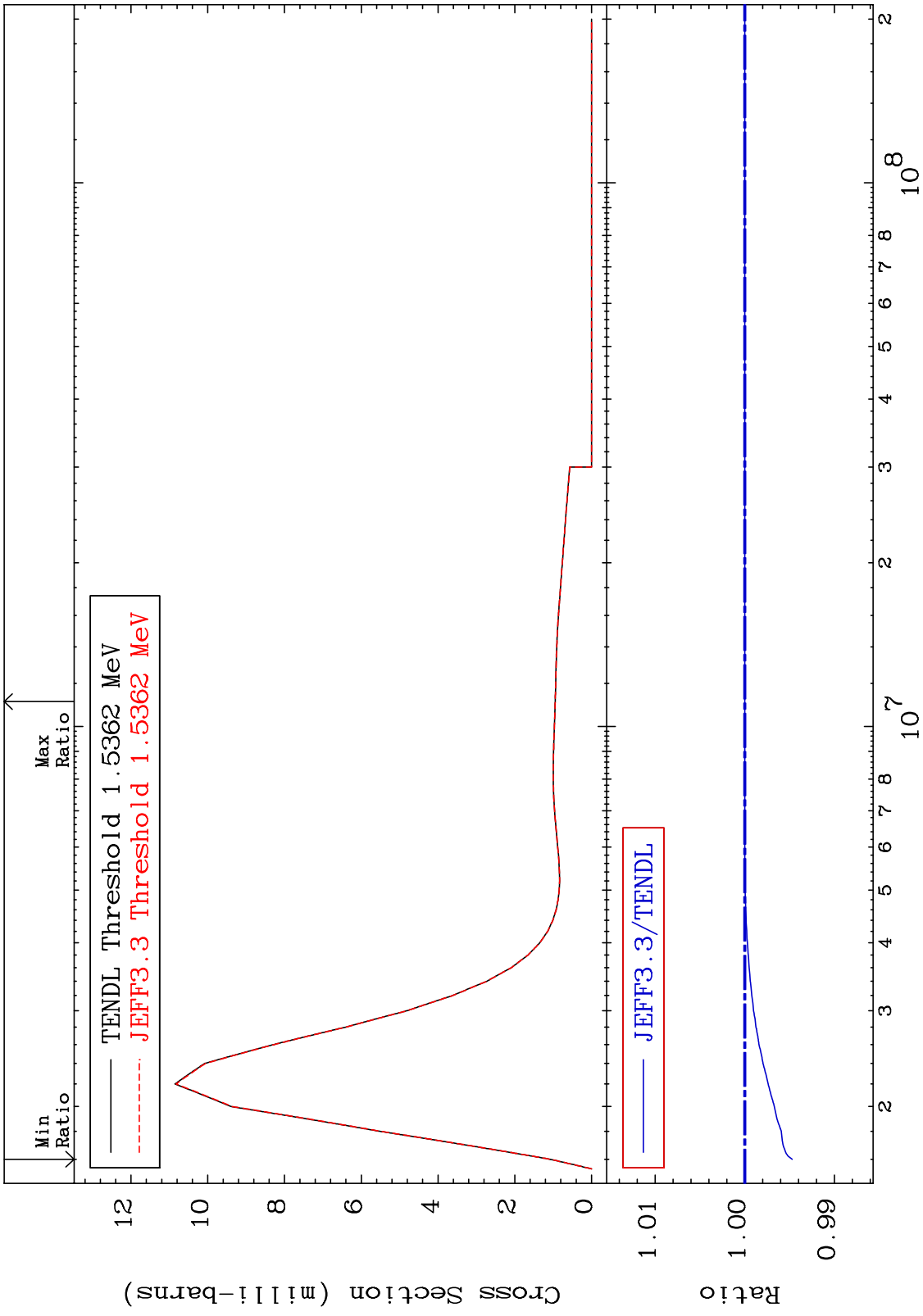
MAT 6625 MT= 70 (n,n') Level Cross Section 66-Dy-156 -0.235 To 0.000 %



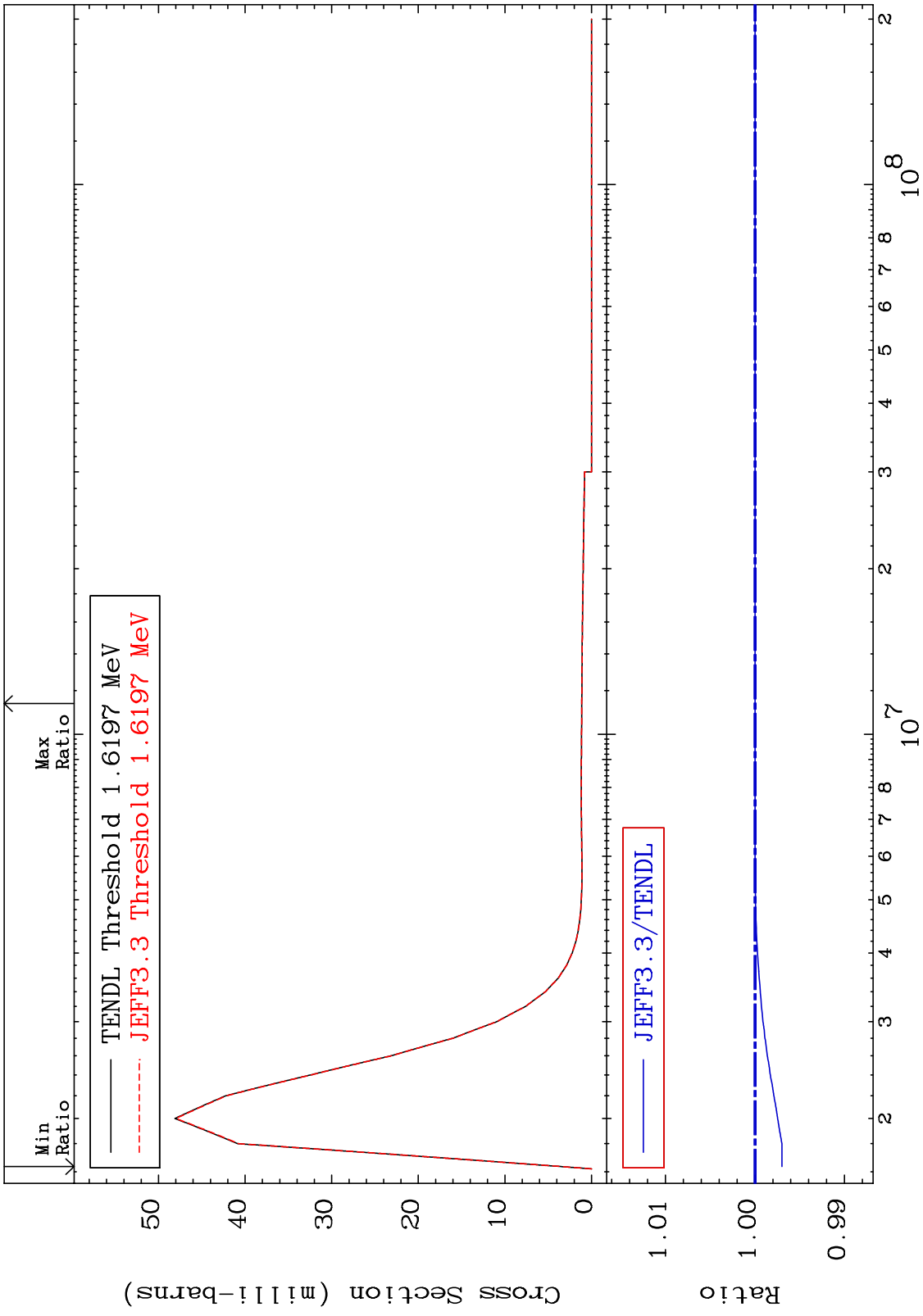
MAT 6625 MT= 71 (n,n') Level Cross Section 66-Dy-156 -0.648 To 0.000 %



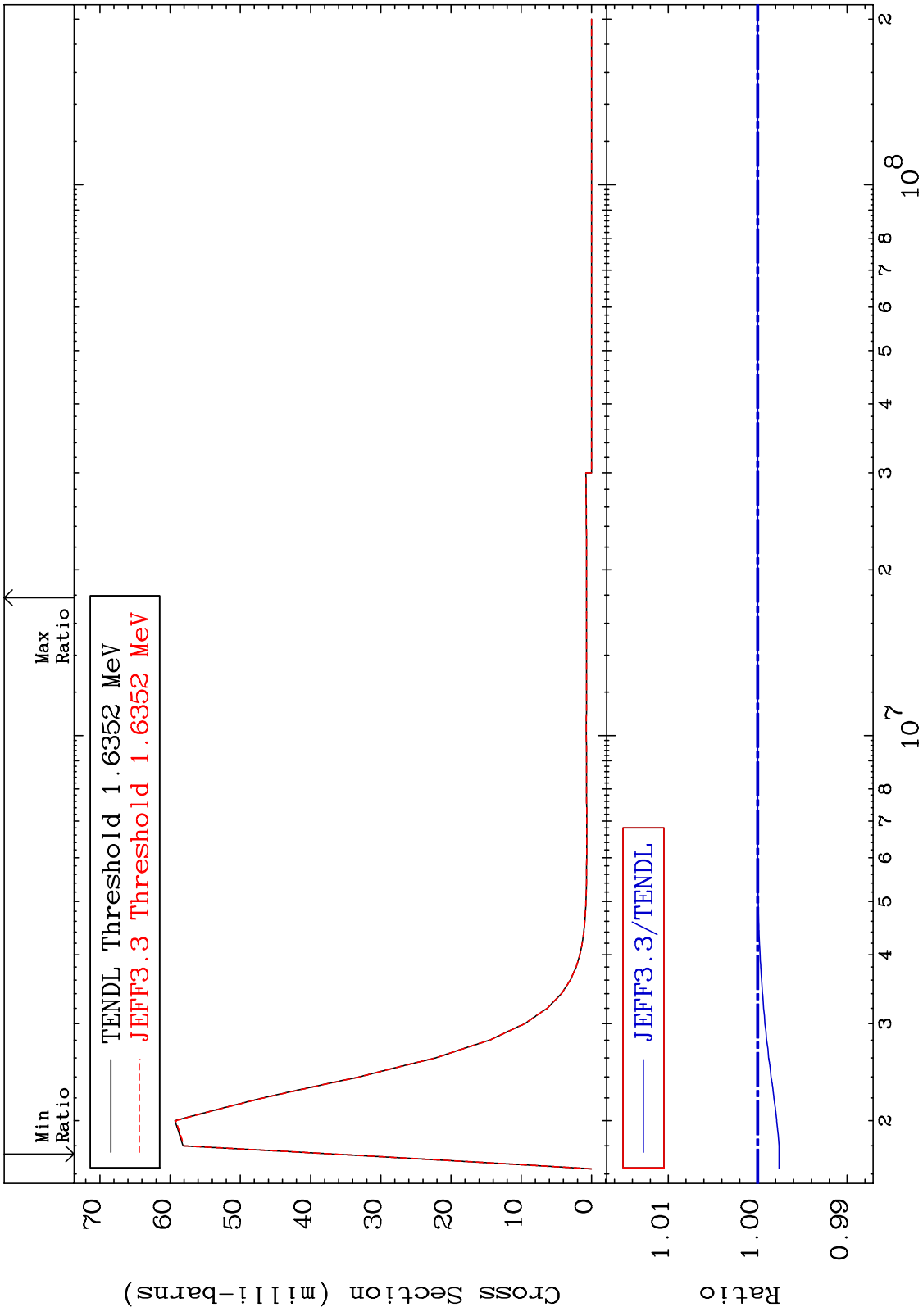
MAT 6625 MT= 72 (n,n') Level Cross Section 66-Dy-156 -0.530 To 0.000 %



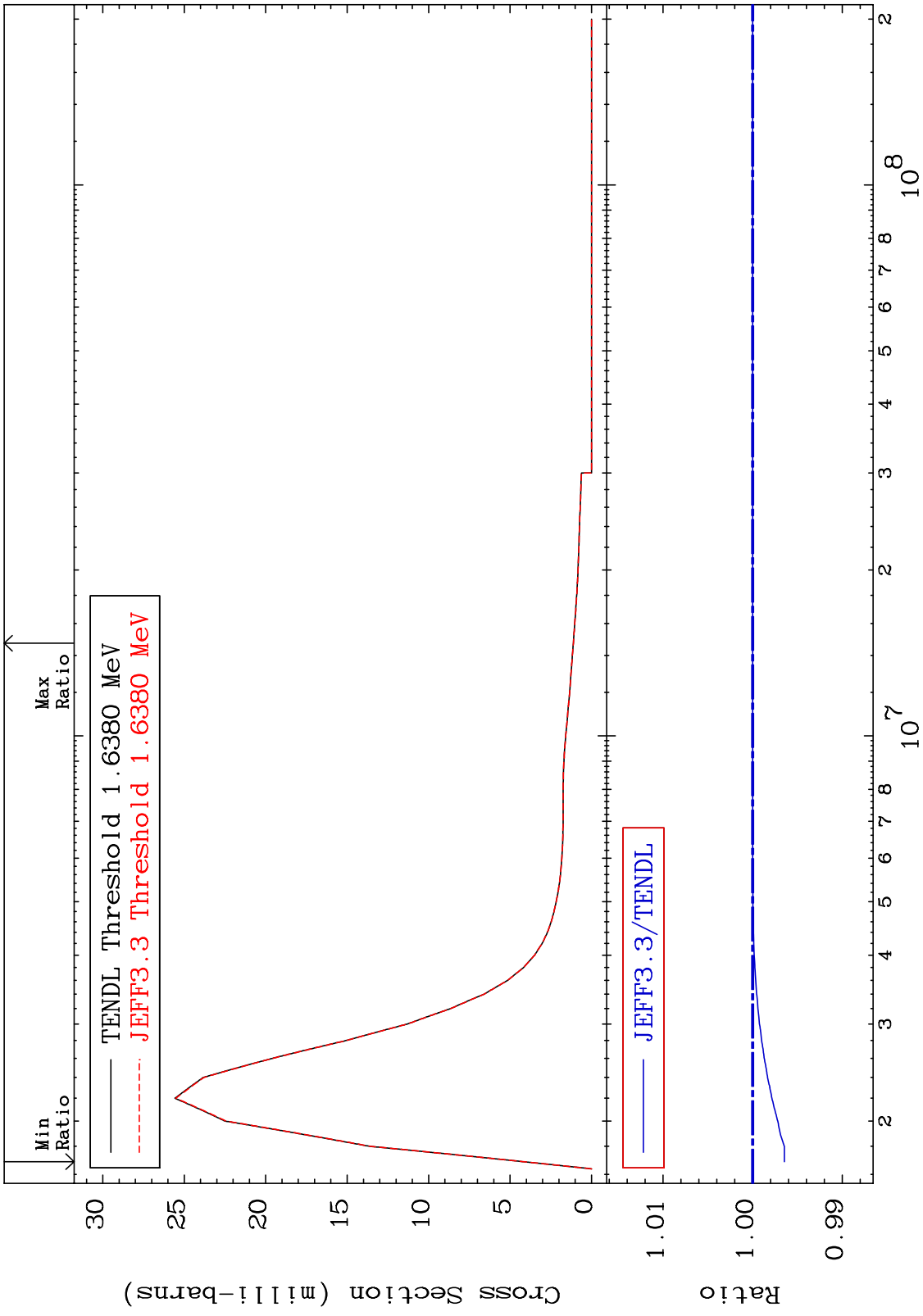
MAT 6625 MT= 73 (n,n') Level Cross Section 66-Dy-156  
 -0.301 To 0.000 %



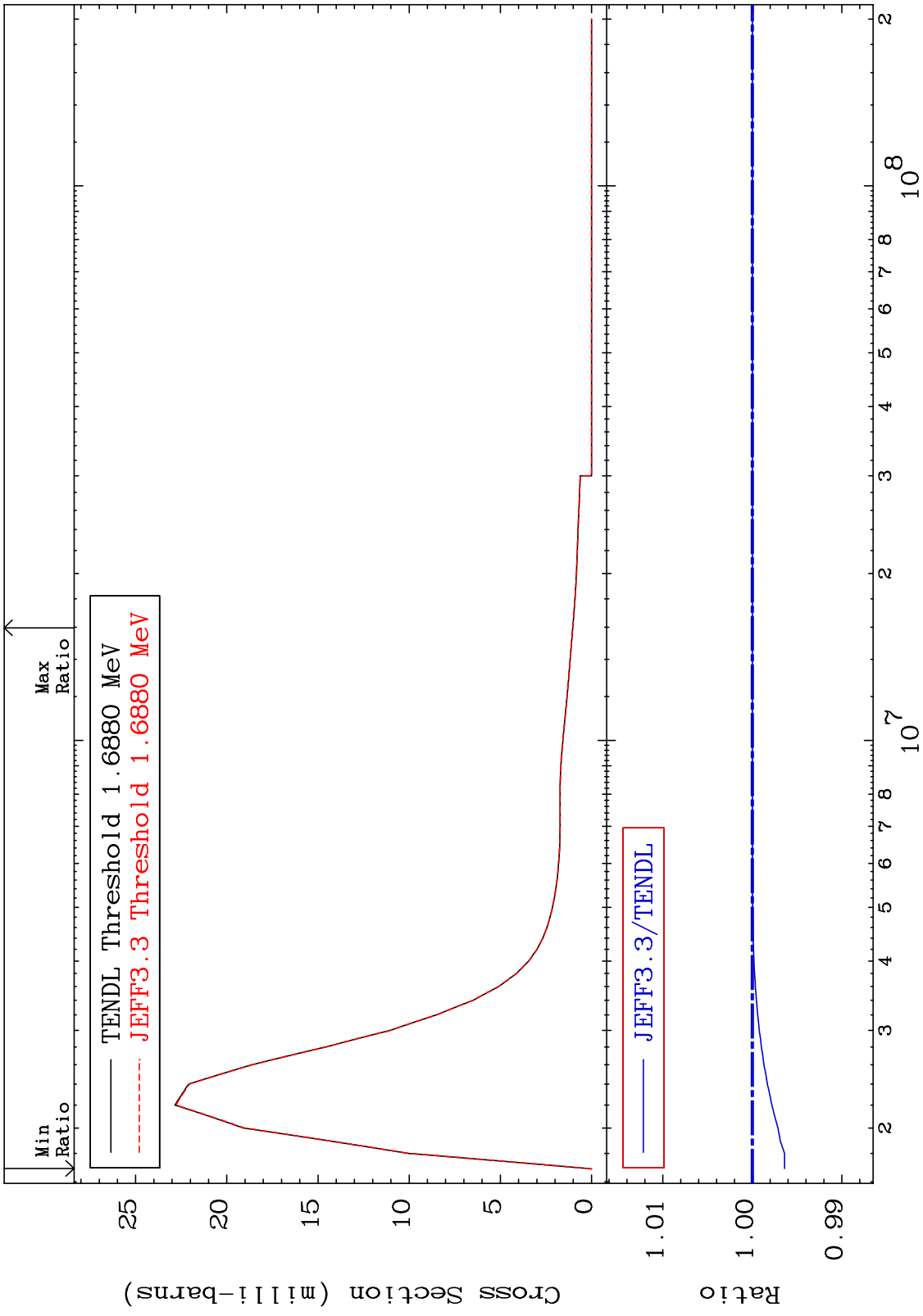
MAT 6625 MT= 74 (n,n') Level Cross Section 66-Dy-156 -0.240 To 0.000 %



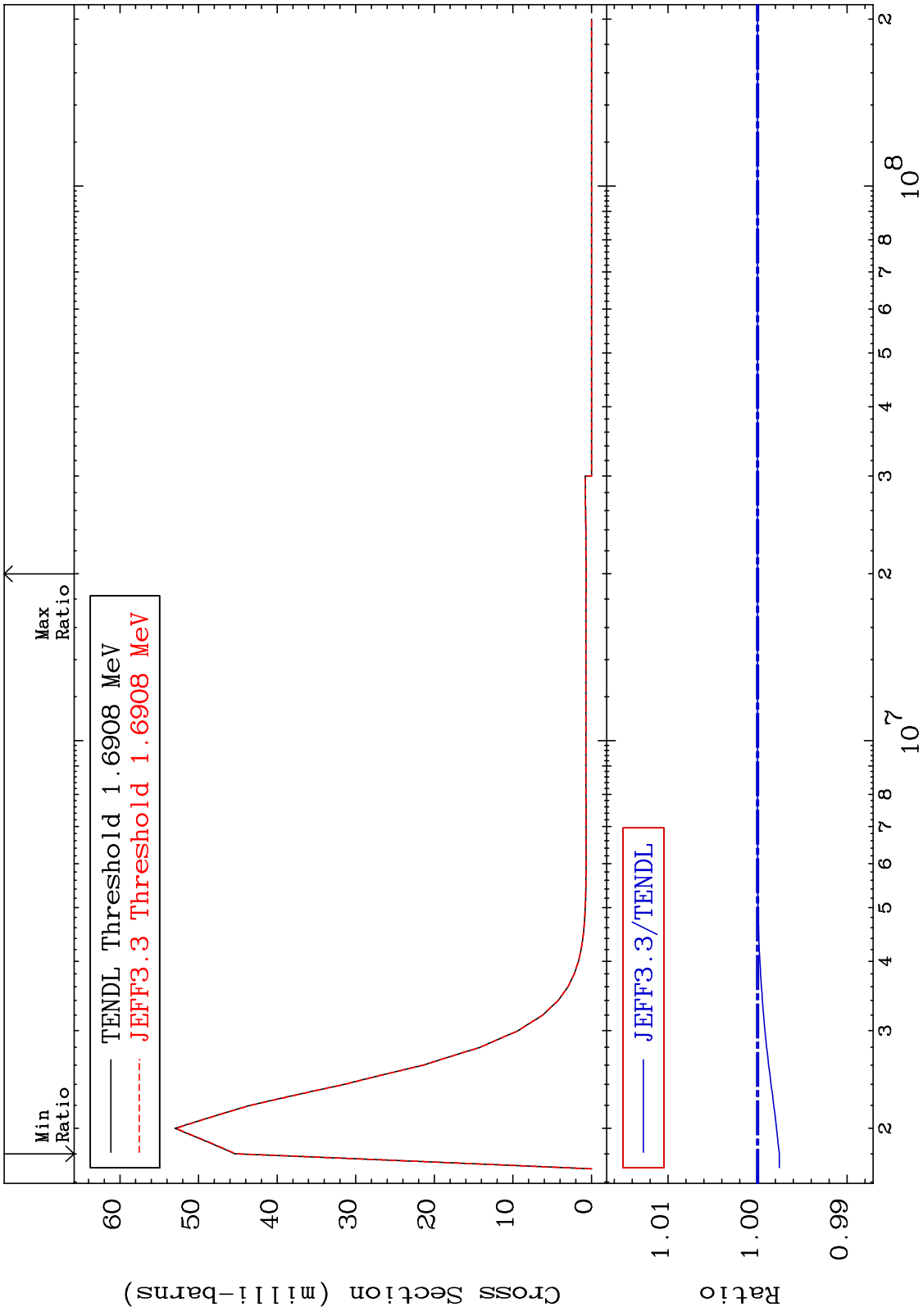
MAT 6625 MT= 75 (n,n') Level Cross Section 66-Dy-156 -0.353 To 0.000 %



MAT 6625 MT= 76 (n,n') Level Cross Section 66-Dy-156 -0.360 To 0.000 %

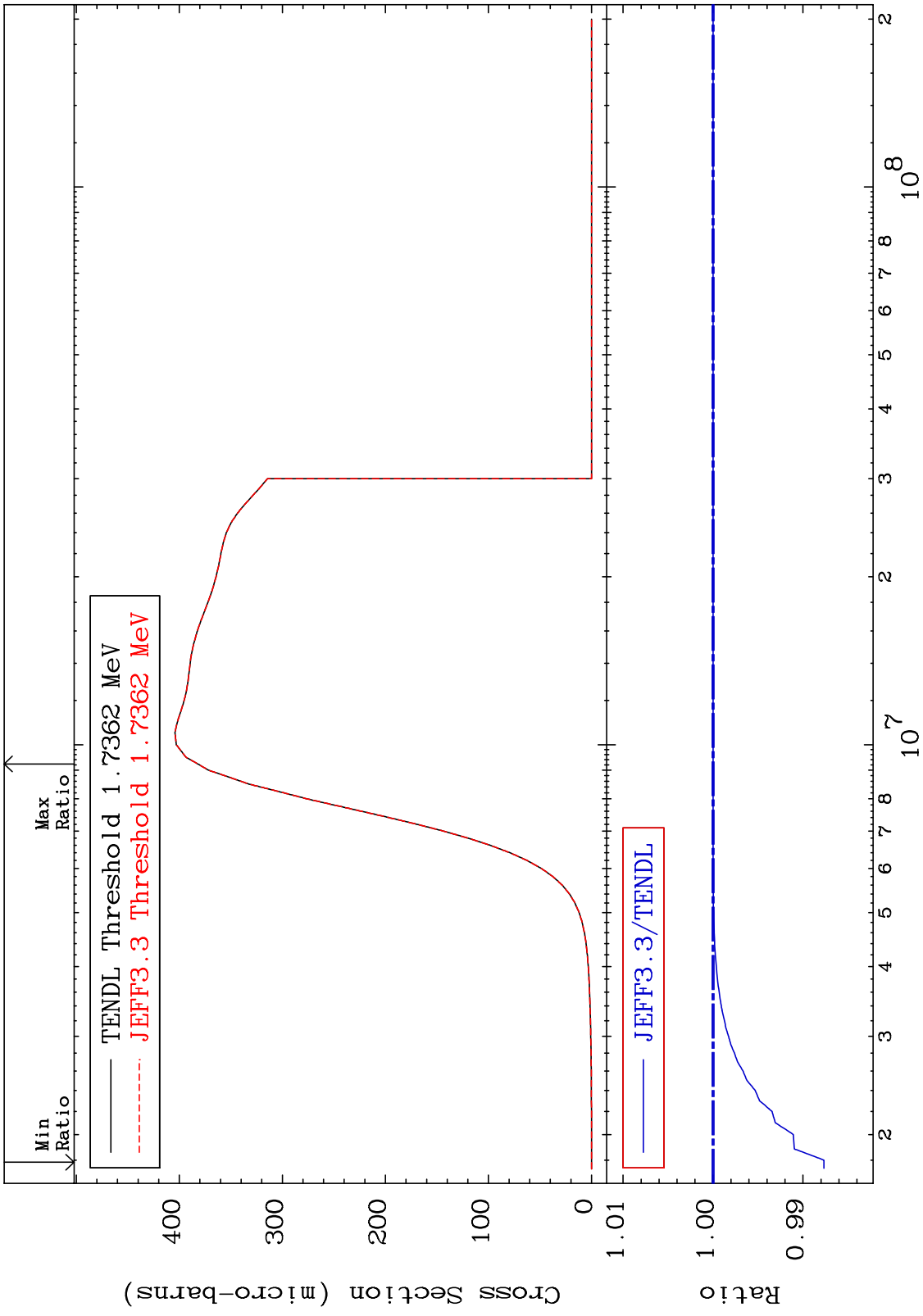


MAT 6625 MT= 77 (n,n') Level Cross Section 66-Dy-156  
 -0.243 To 0.000 %

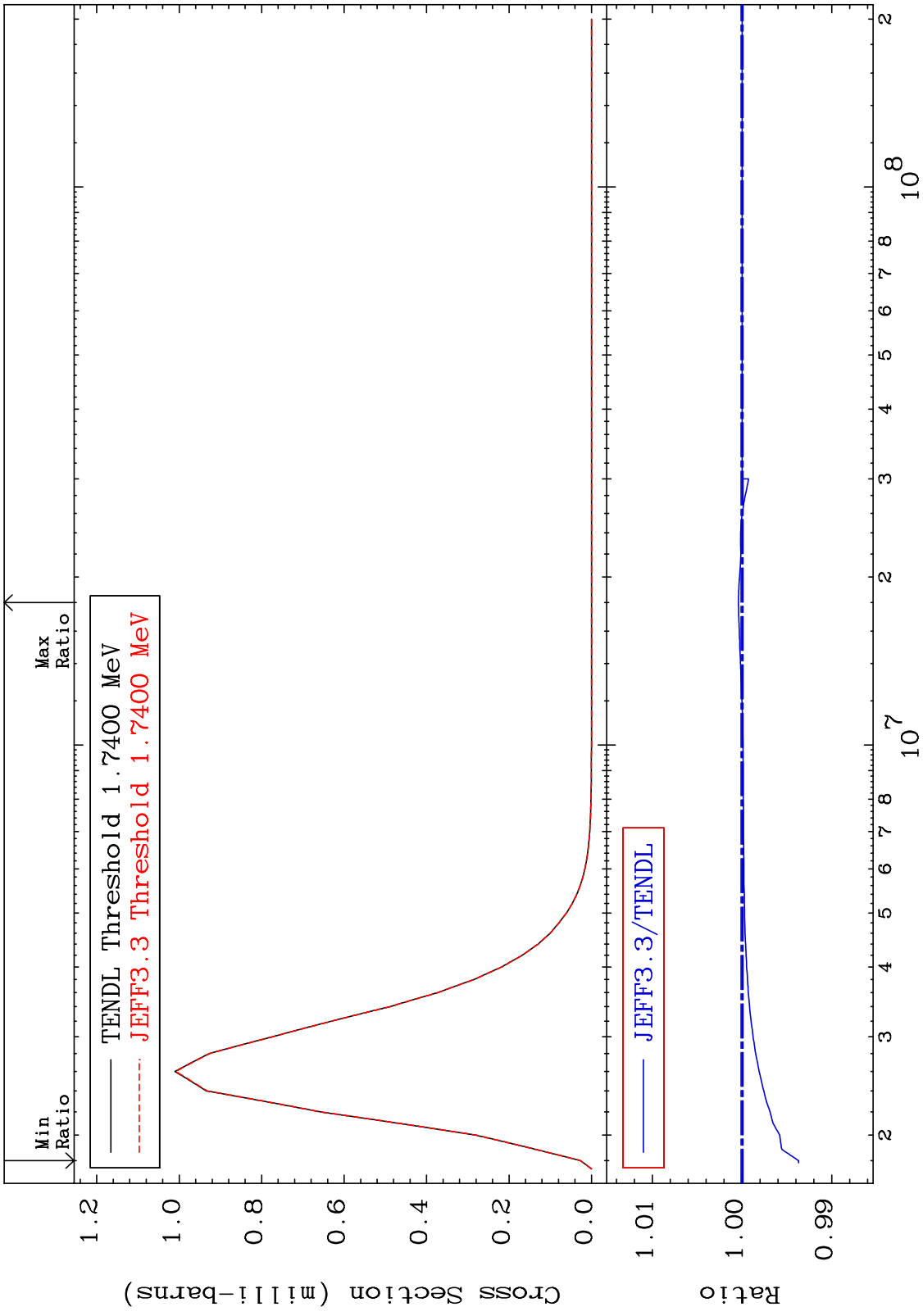




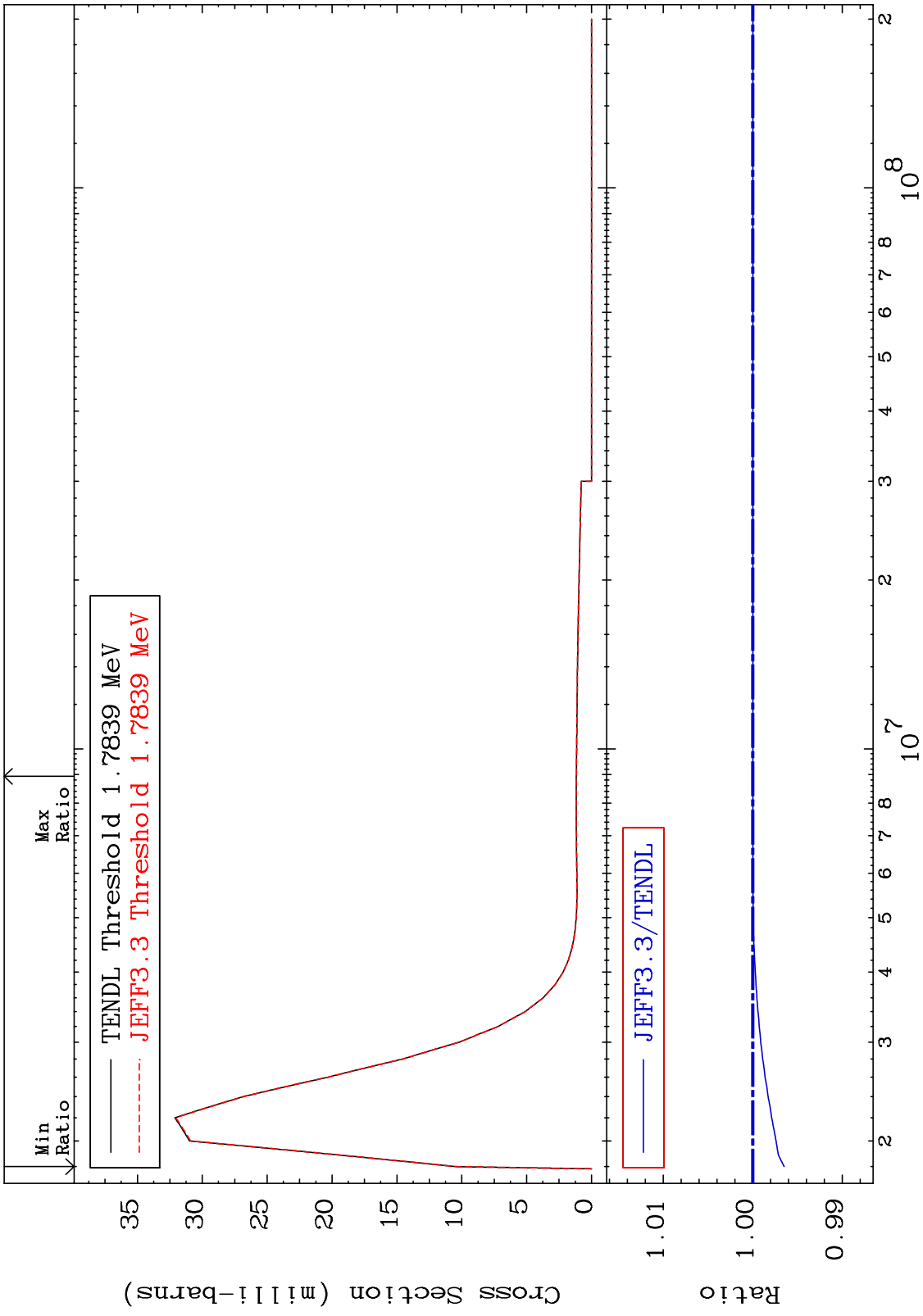
MAT 6625 MT= 78 (n,n') Level Cross Section 66-Dy-156 -1.232 To 0.000 %



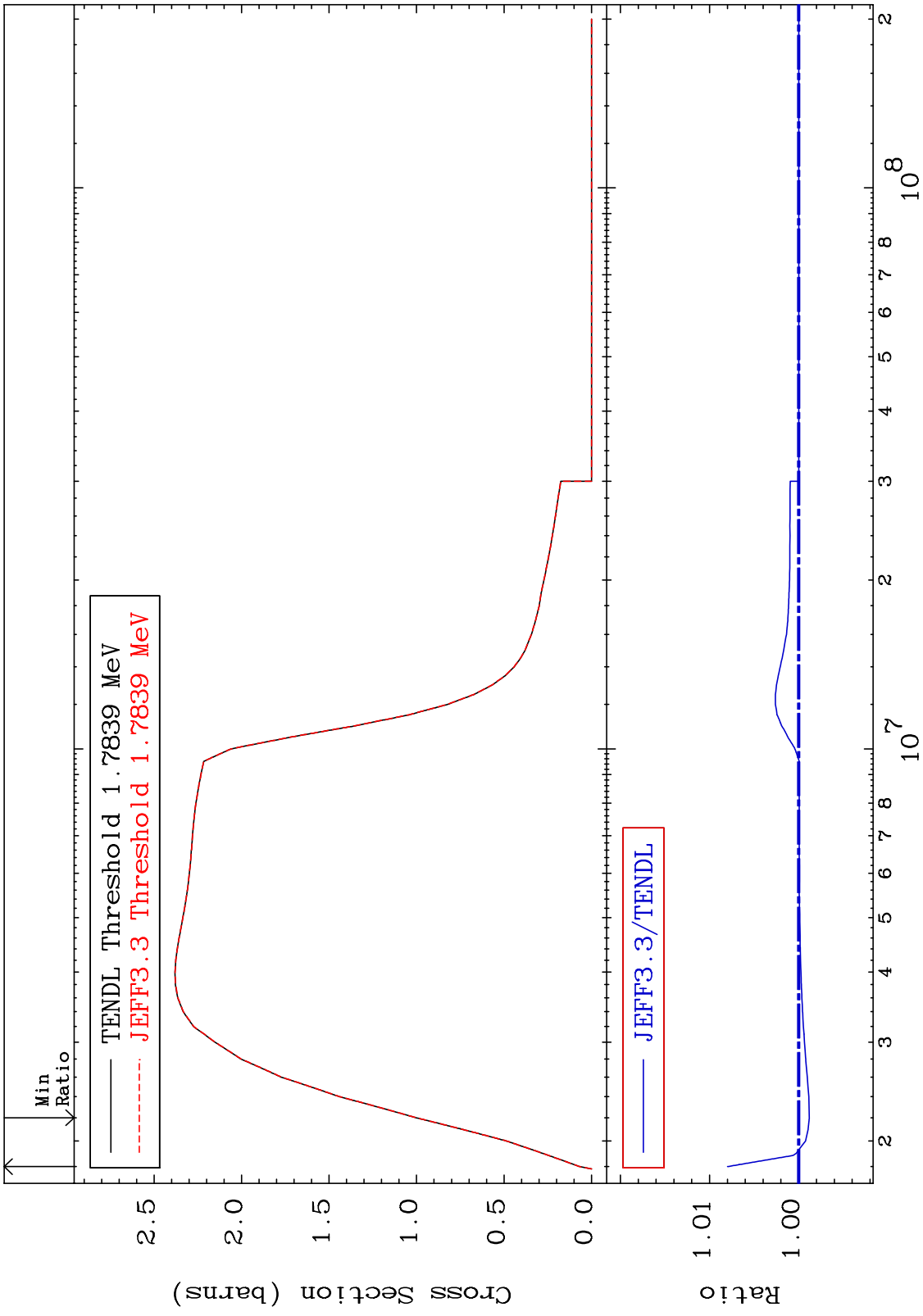
MAT 6625 MT= 79 (n,n') Level Cross Section 66-Dy-156 -0.629 To 0.040 %



MAT 6625 MT= 80 (n,n') Level Cross Section 66-Dy-156 -0.350 To 0.000 %



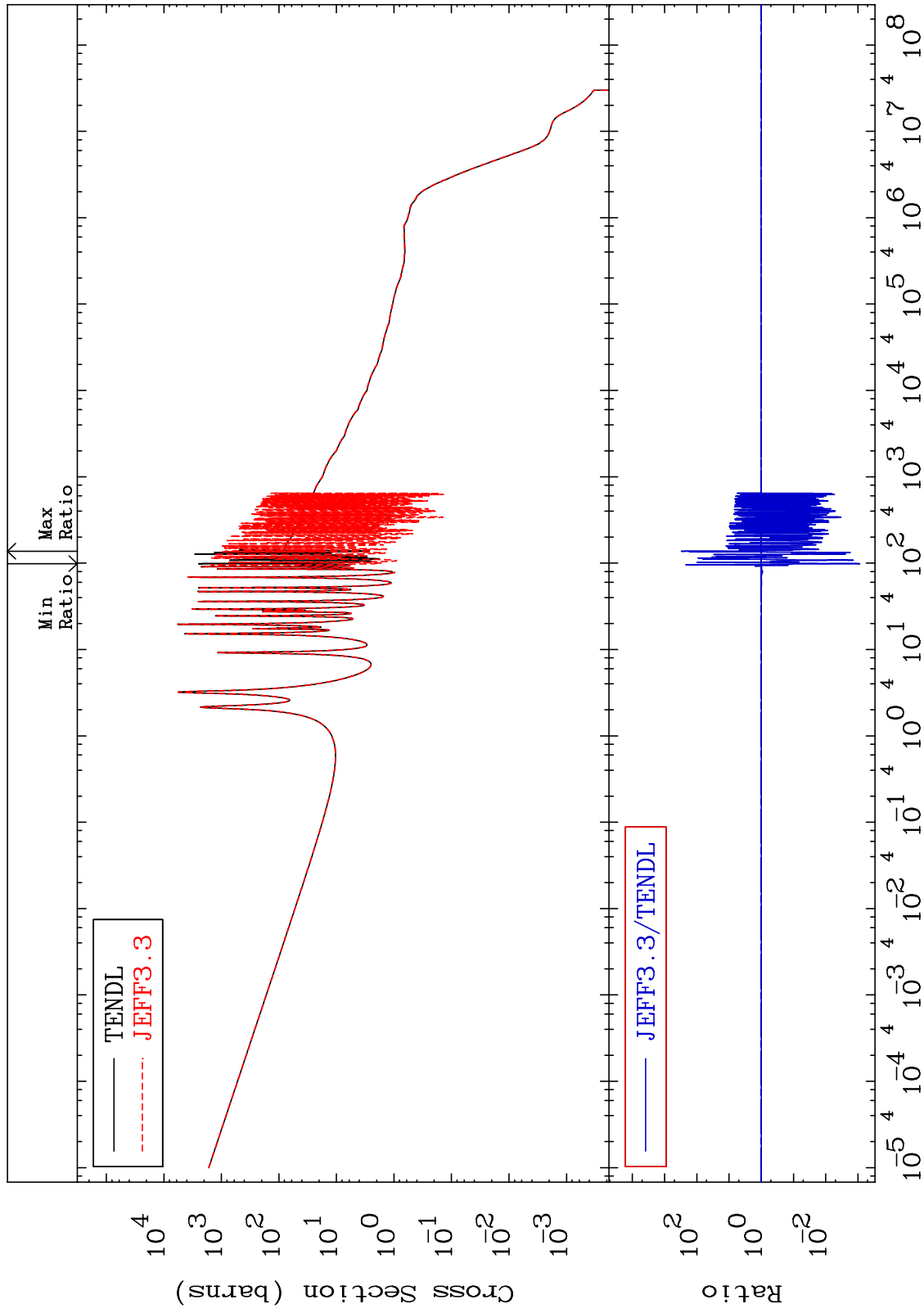
MAT 6625 (n,n') Continuum Cross Section 66-Dy-156  
 -0.119 To 0.798 %



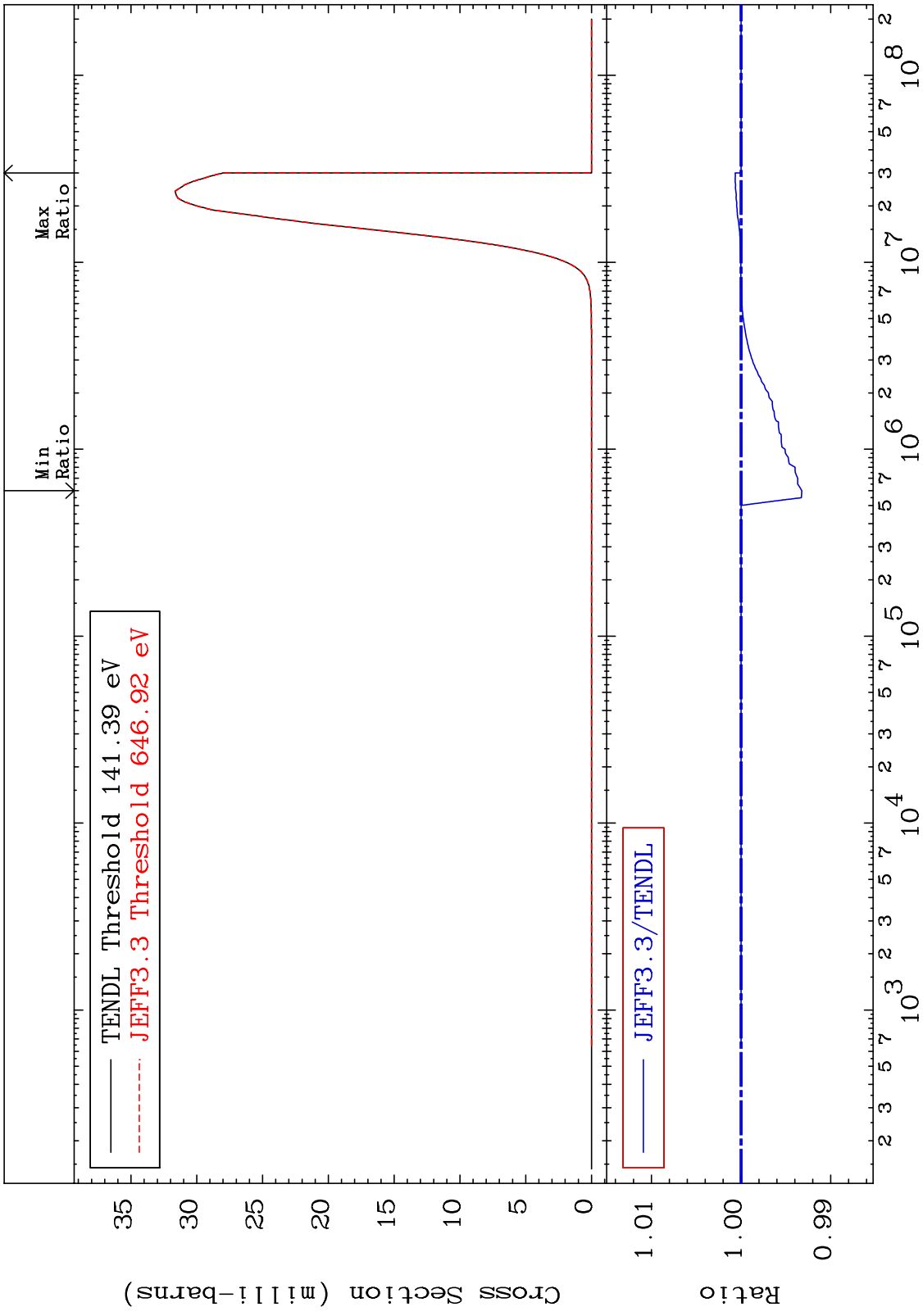
MAT 6625

(n,  $\gamma$ )  
Cross Section

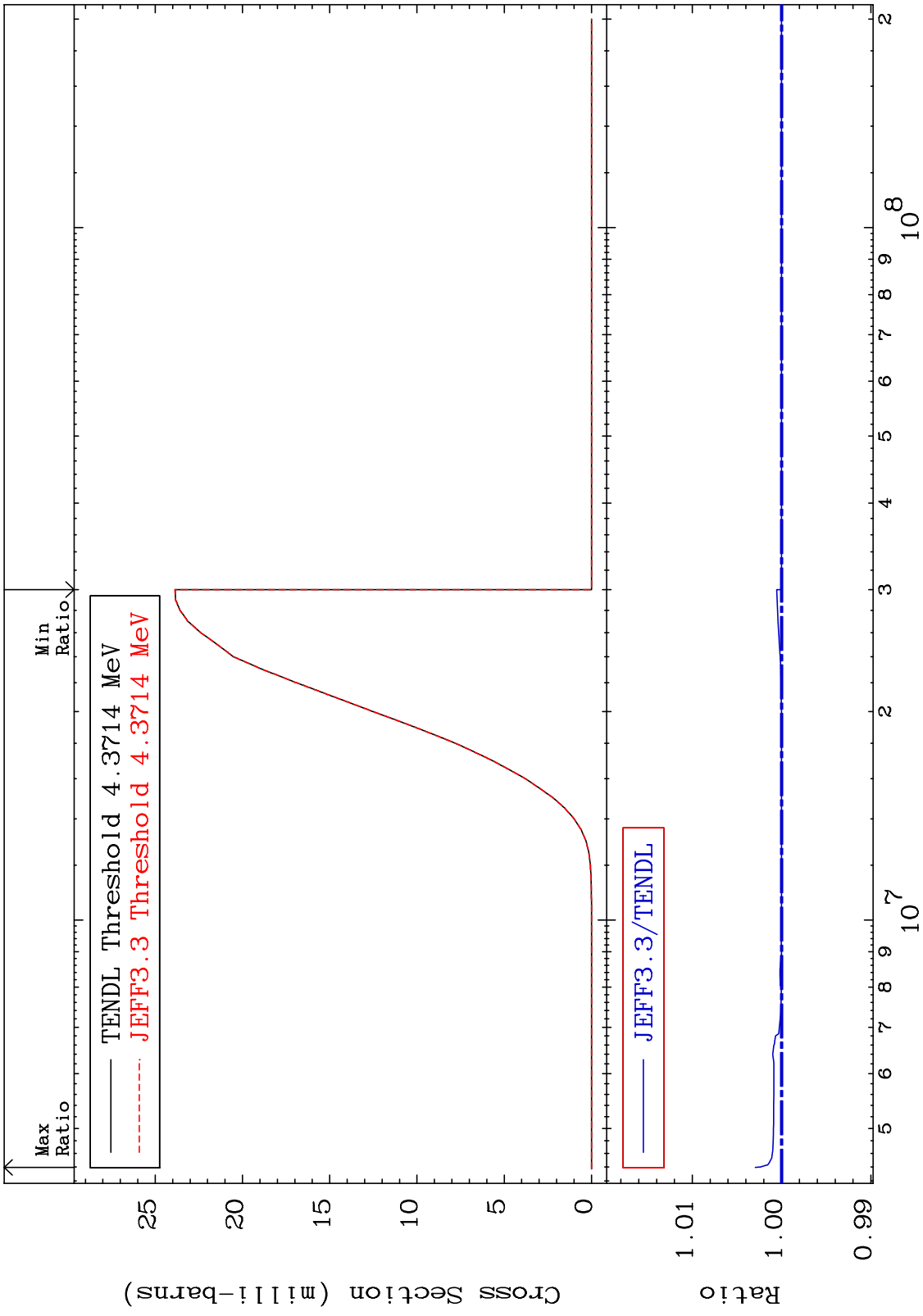
66-Dy-156  
-99.91 To 9999. %



MAT 6625 (n,p) Cross Section 66-Dy-156 -0.678 To 0.066 %

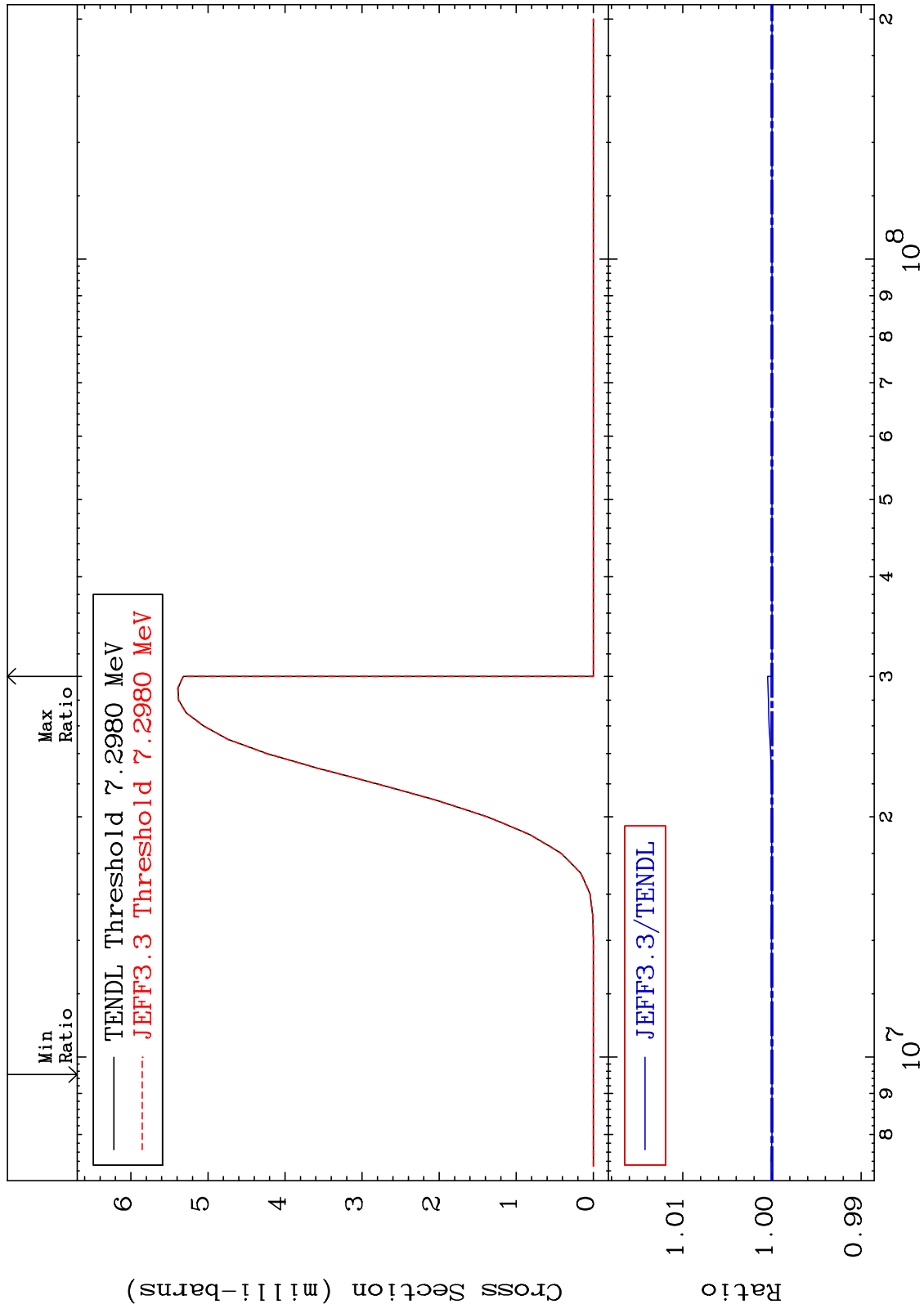


MAT 6625 (n,d) Cross Section 66-Dy-156 To 0.295 %

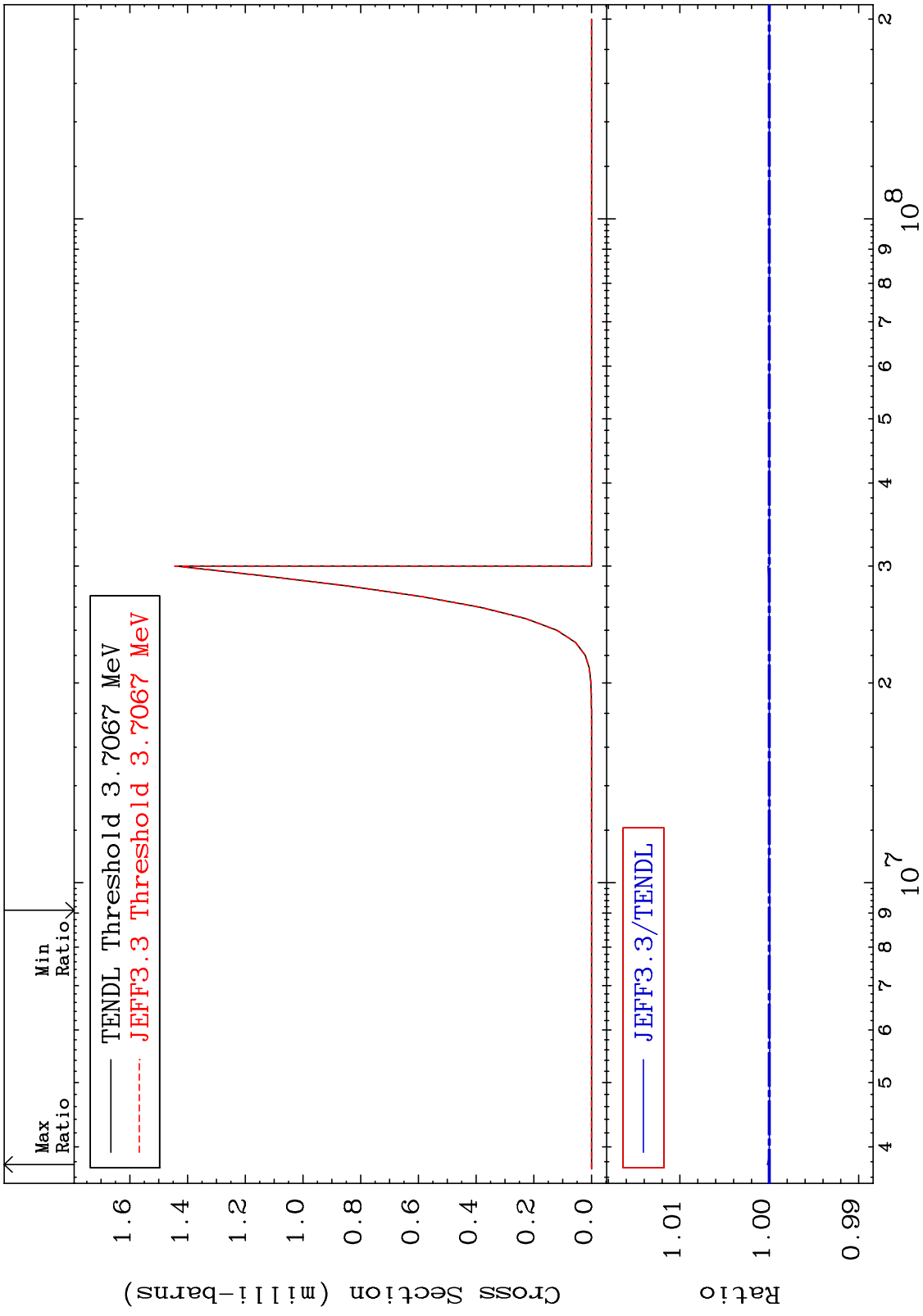


54 Incident Energy (eV) 66-Dy-156

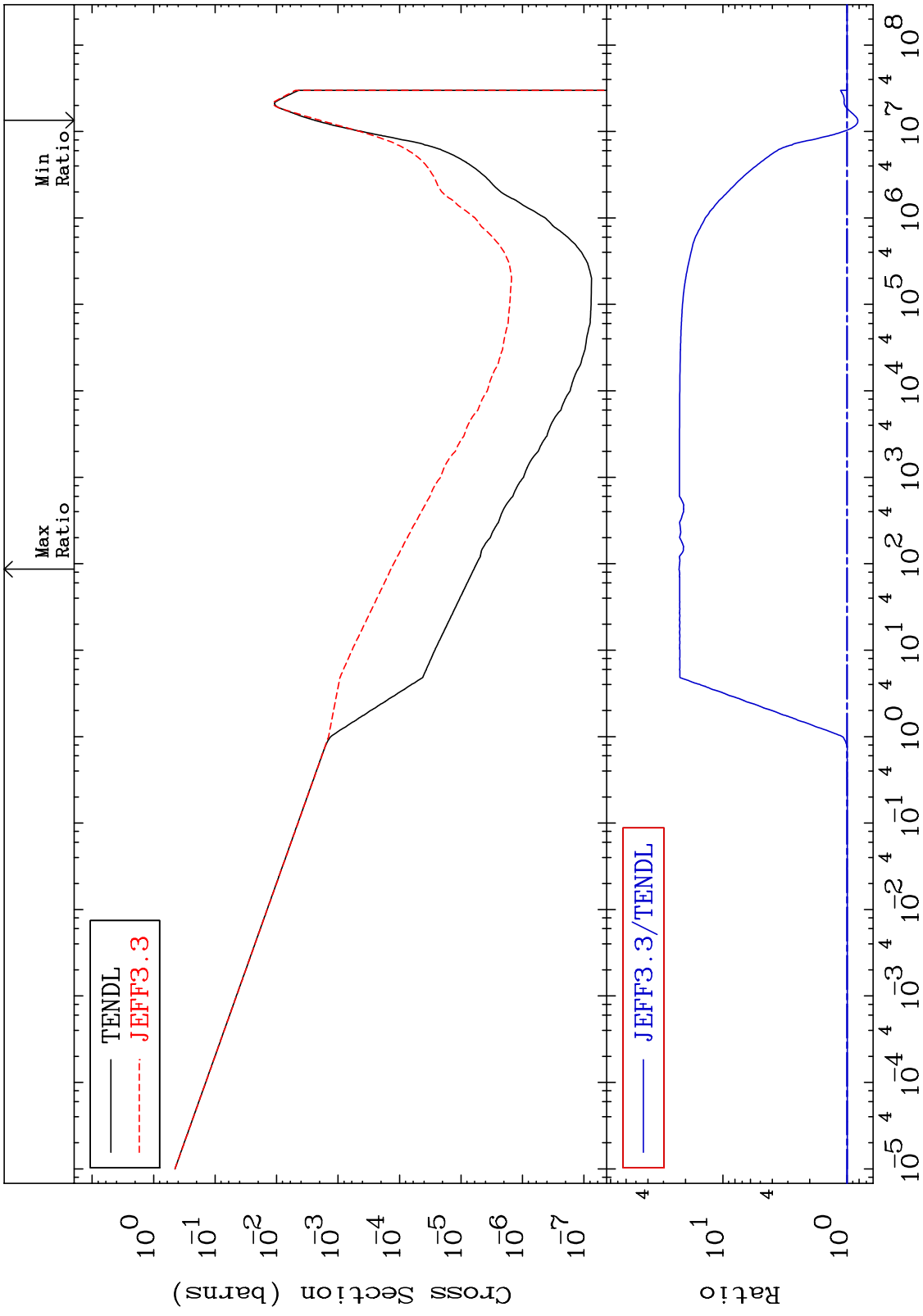
MAT 6625 (n,t) Cross Section 66-Dy-156 To 0.048 %





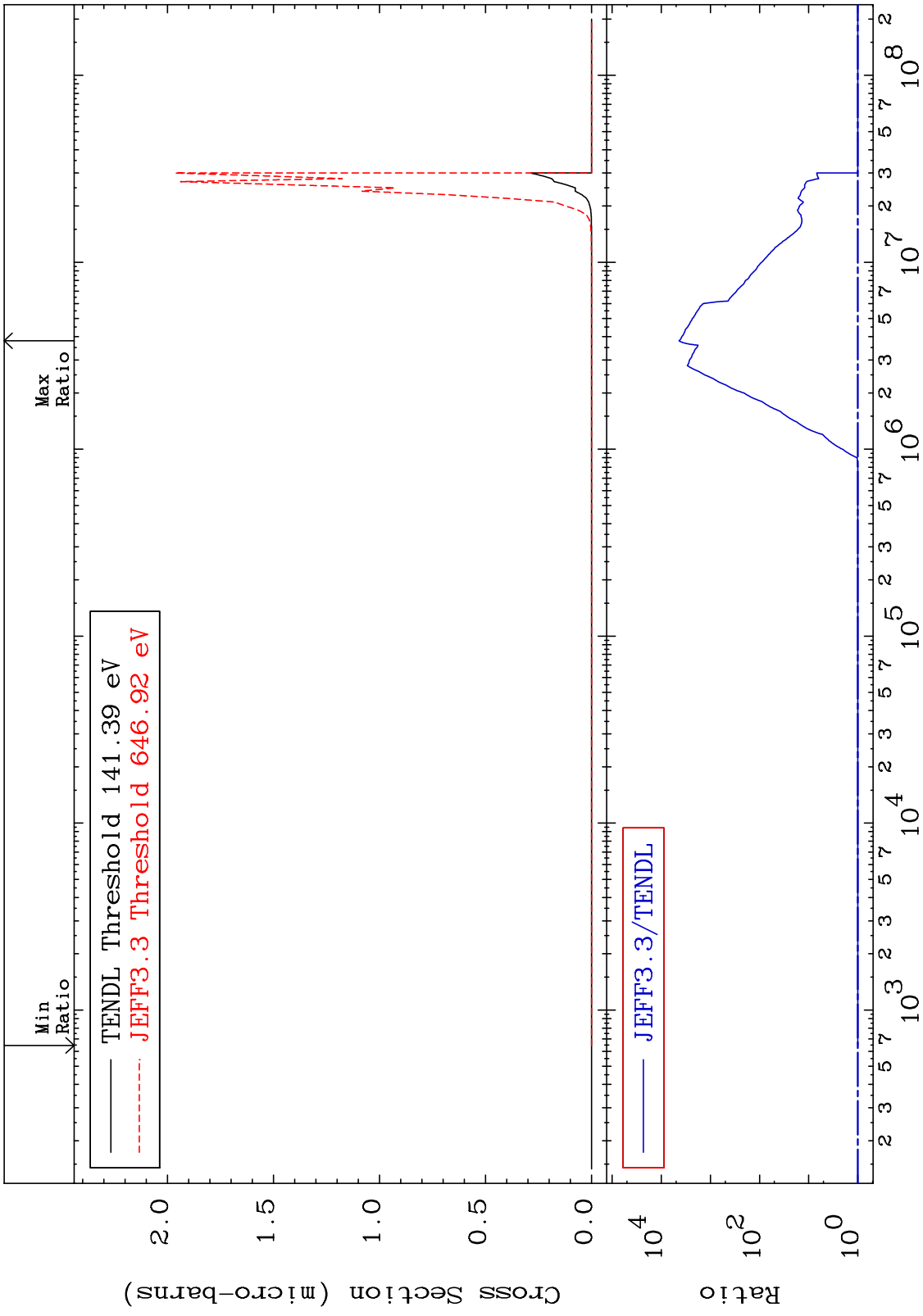


MAT 6625 66-Dy-156  
-18.12 To 2151. %  
 (n,  $\alpha$ )  
 Cross Section

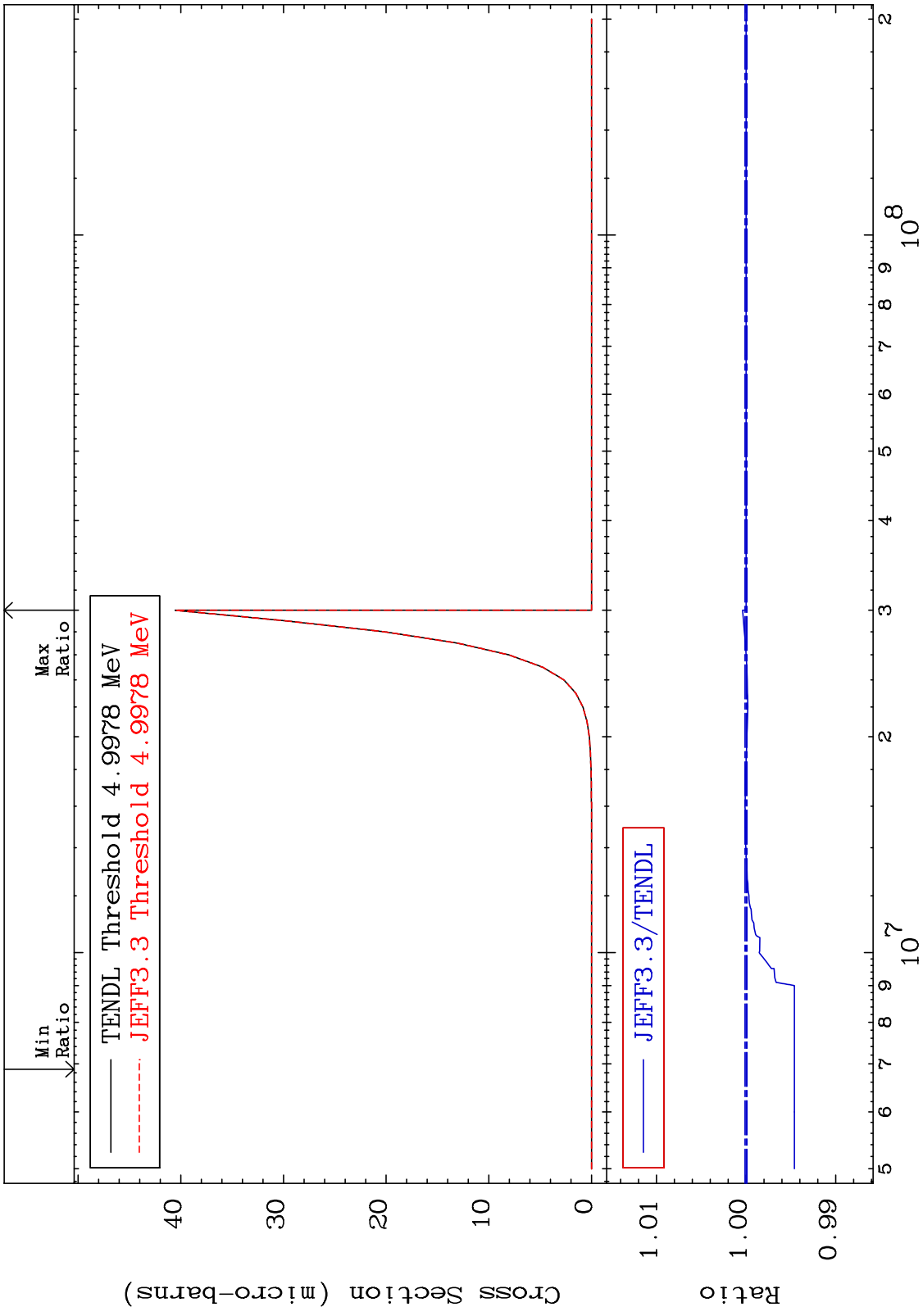


57 Incident Energy (eV) 66-Dy-156

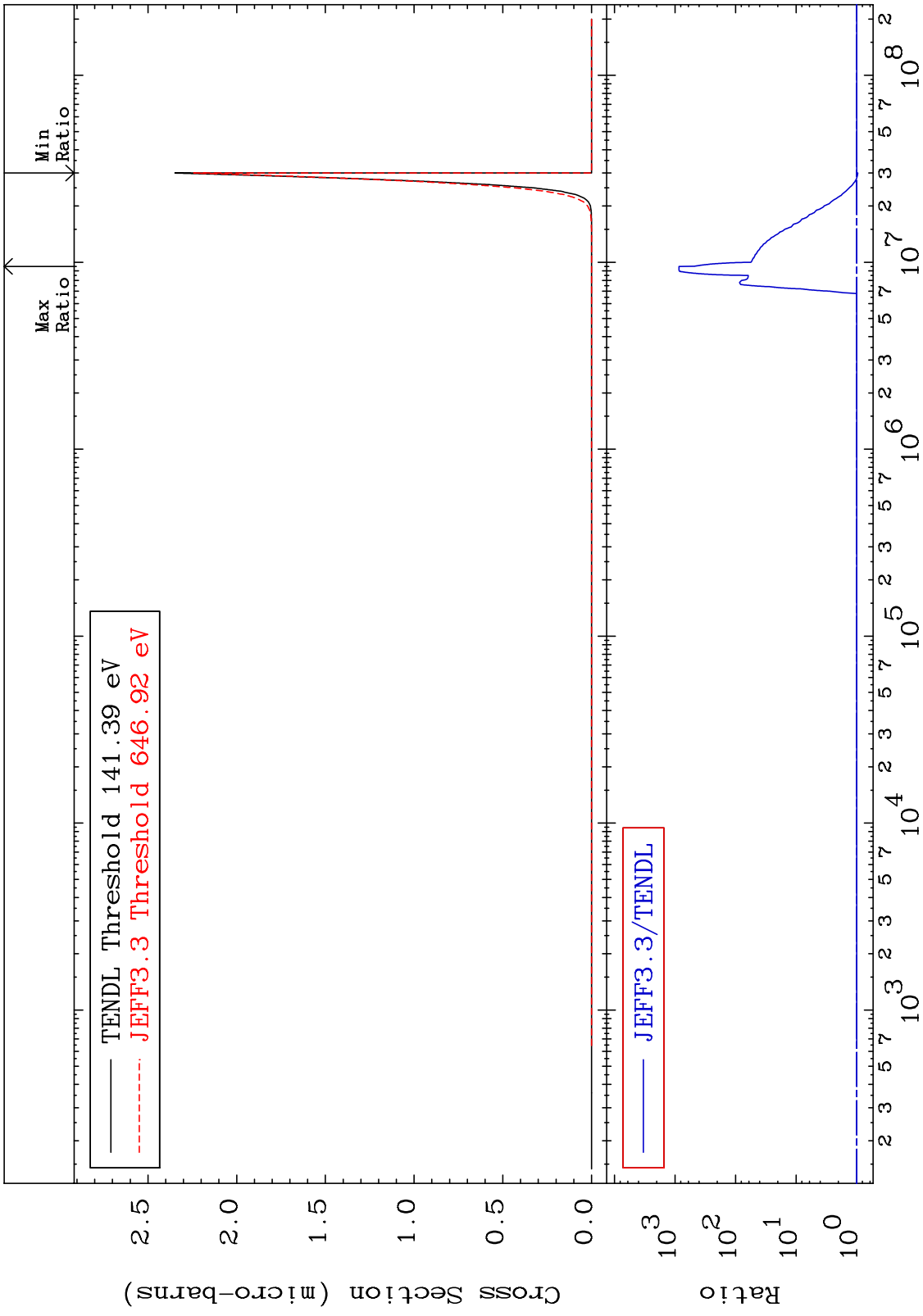
MAT 6625  $(n, 2\alpha)$  Cross Section 66-Dy-156 To 9999. %



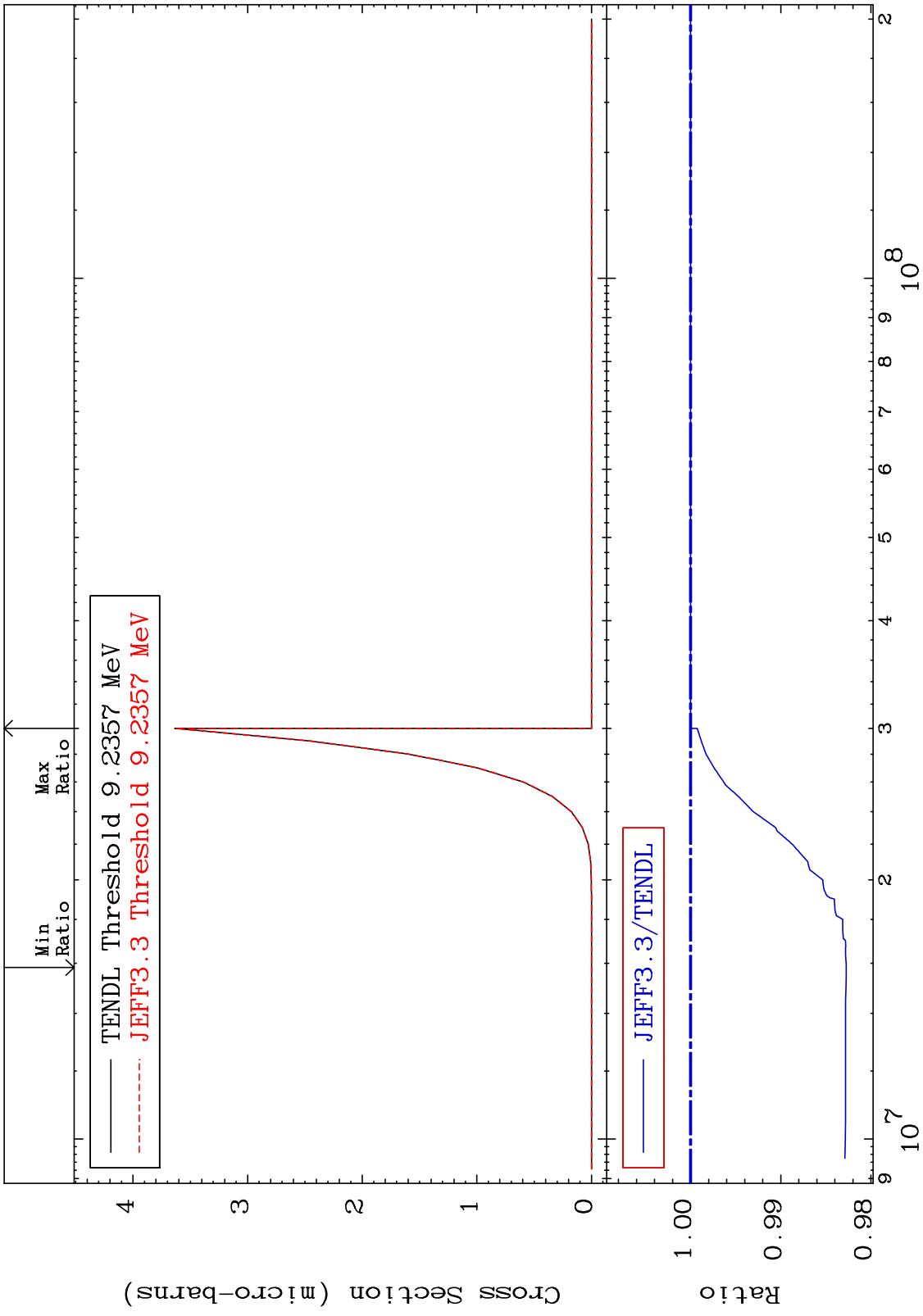
MAT 6625 (n,2p) 66-Dy-156  
Cross Section -0.540 To 0.039 %



MAT 6625 (n,p)  $\alpha$  66-Dy-156  
Cross Section -4.527 To 9999. %

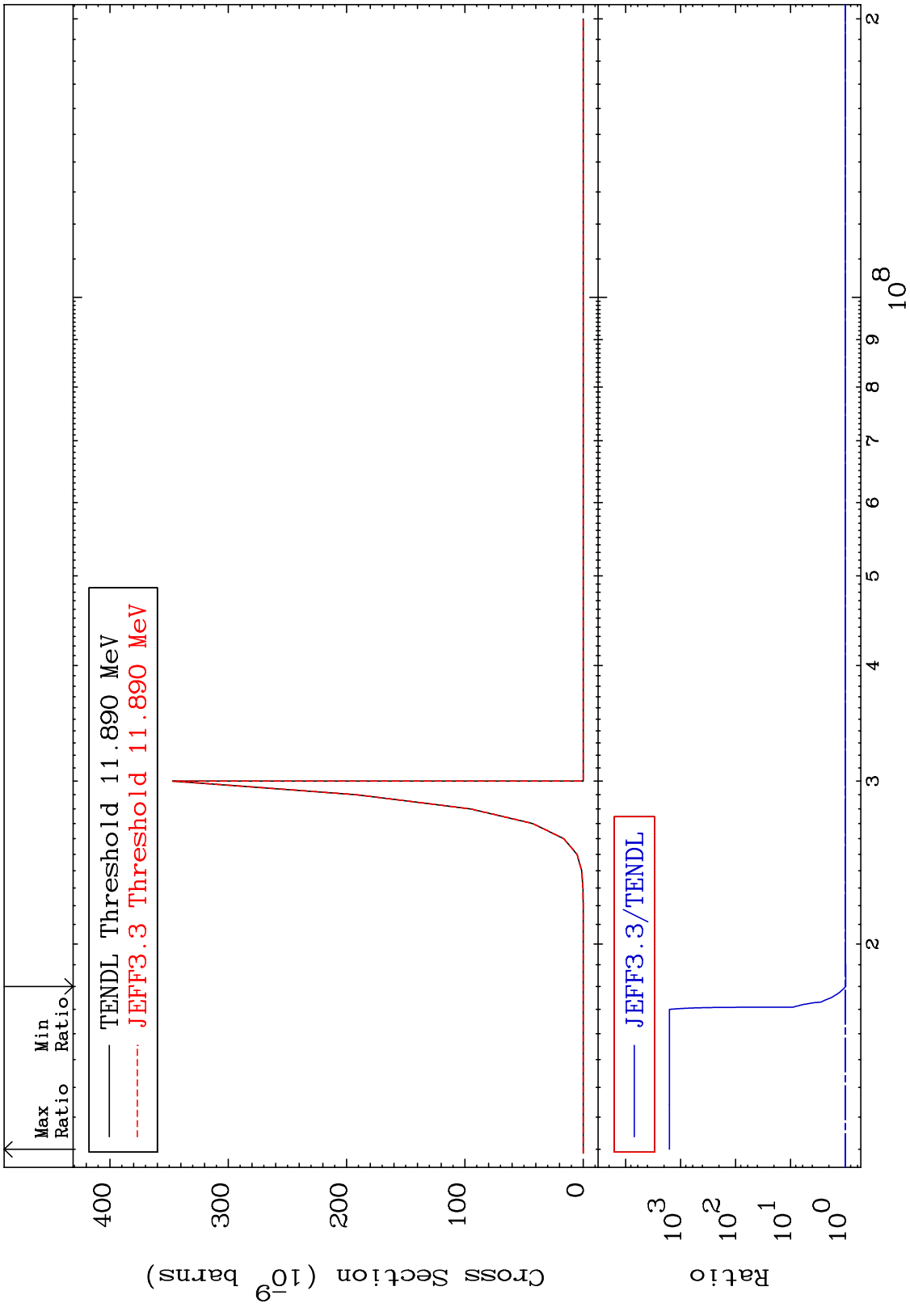


MAT 6625 (n,p) d 66-Dy-156  
 Cross Section -1.726 To 0.000 %

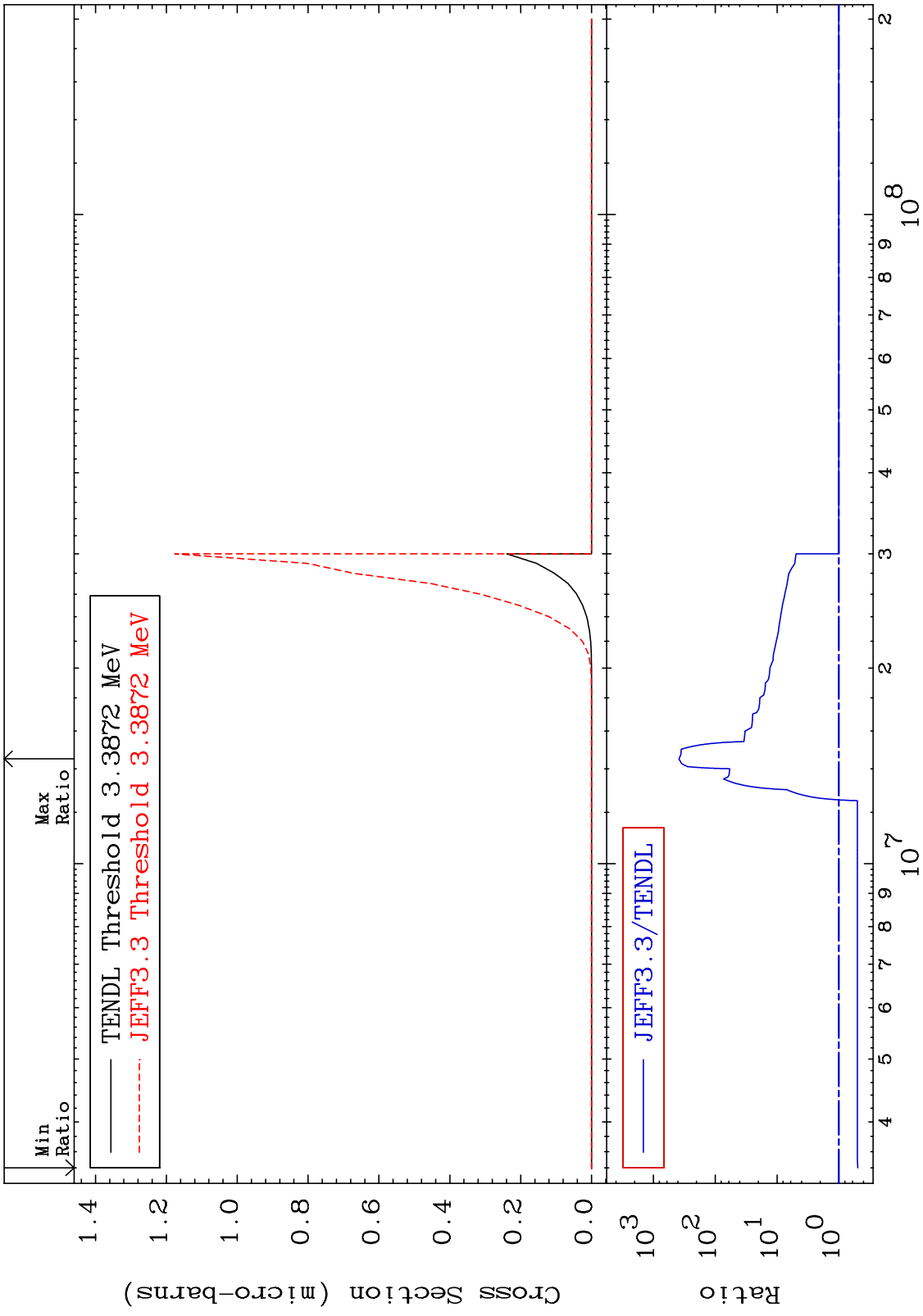


61 66-Dy-156

MAT 6625 (n,p) t 66-Dy-156  
 Cross Section -1.588 To 9999. %



MAT 6625  $(n,d) \alpha$  66-Dy-156  
 Cross Section -50.62 To 9999. %

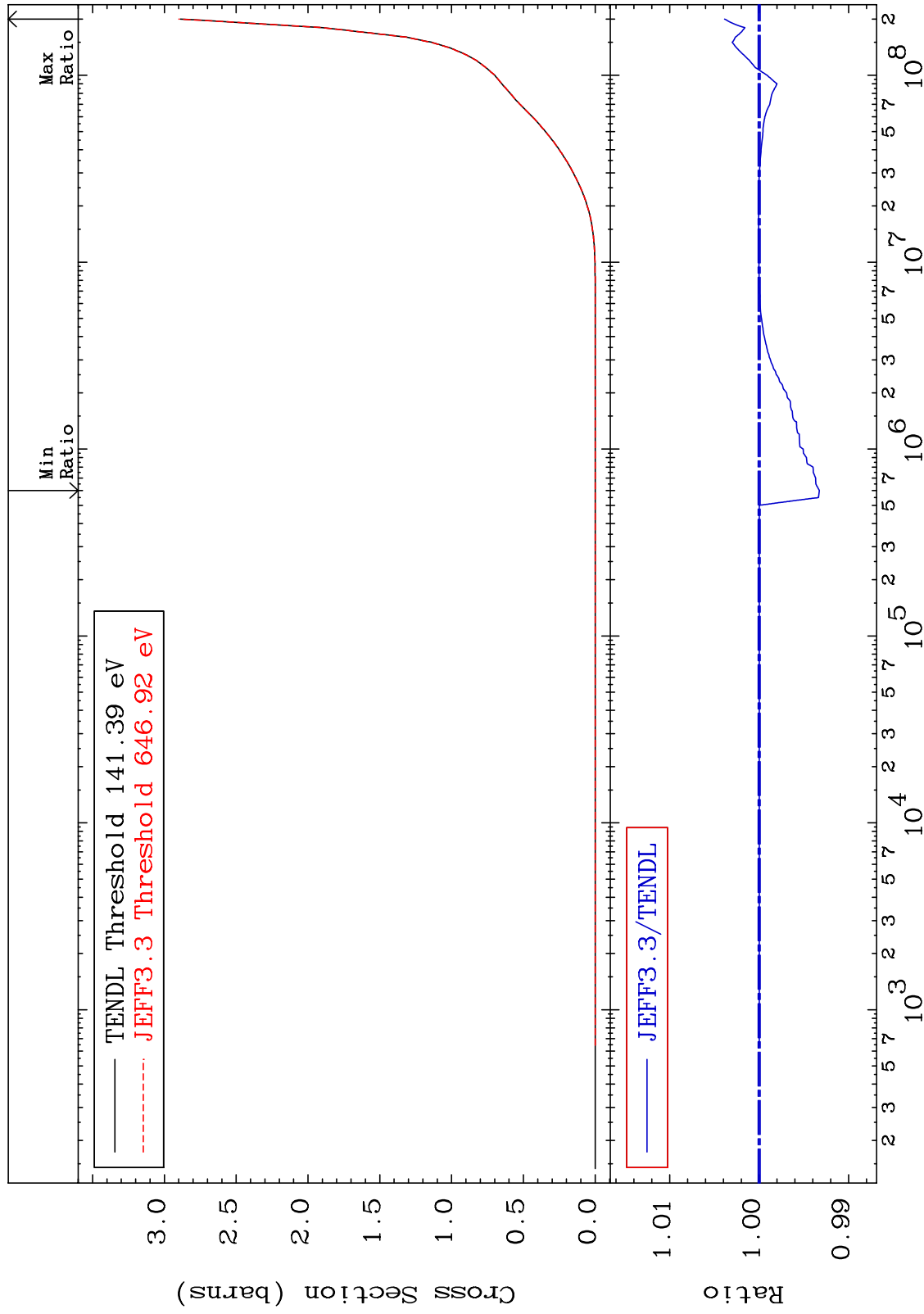




MAT 6625

Hydrogen Production  
Cross Section

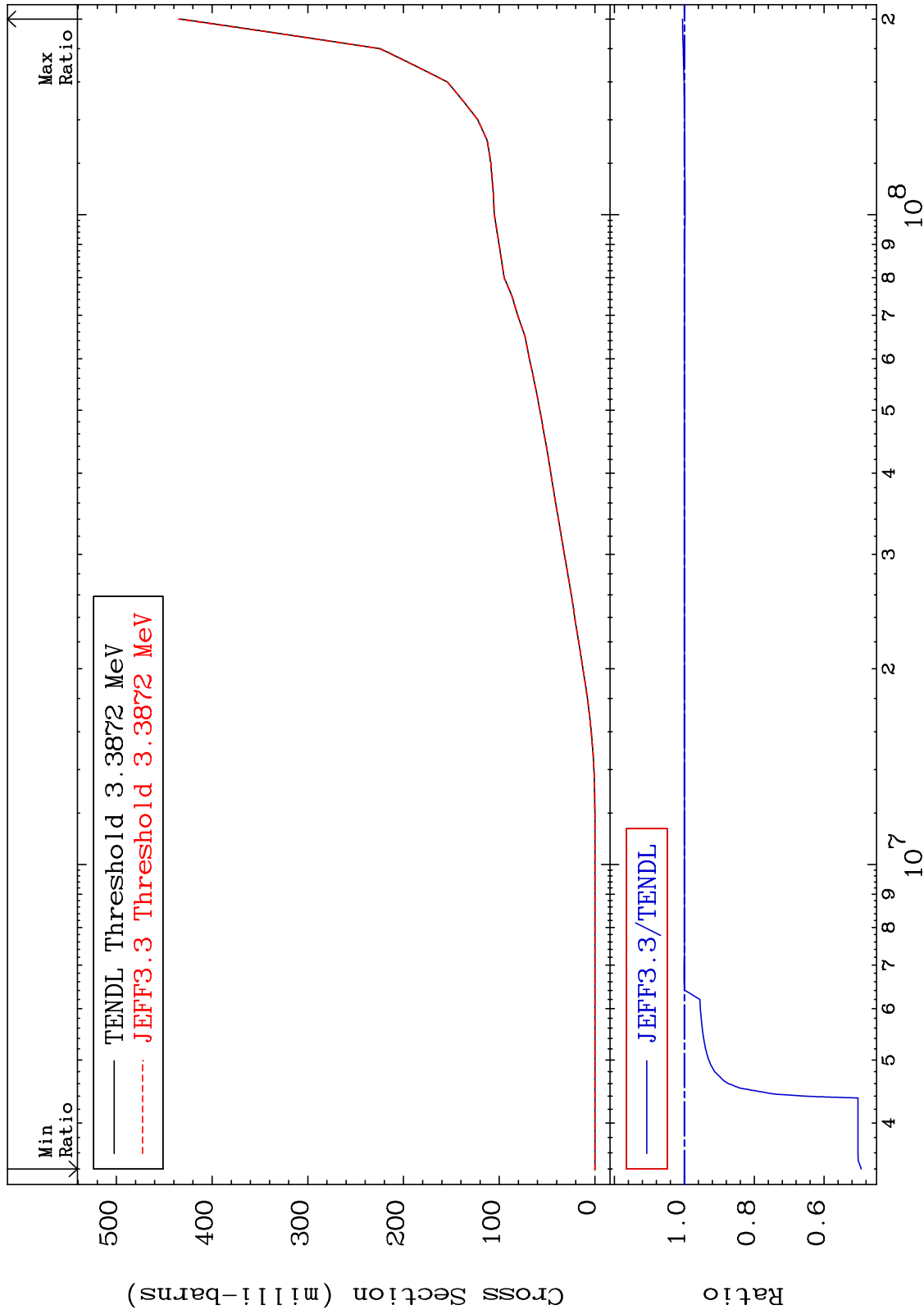
66-Dy-156  
-0.673 To 0.386 %



MAT 6625

Deuterium Production  
Cross Section

66-Dy-156  
-50.62 To 0.534 %



65

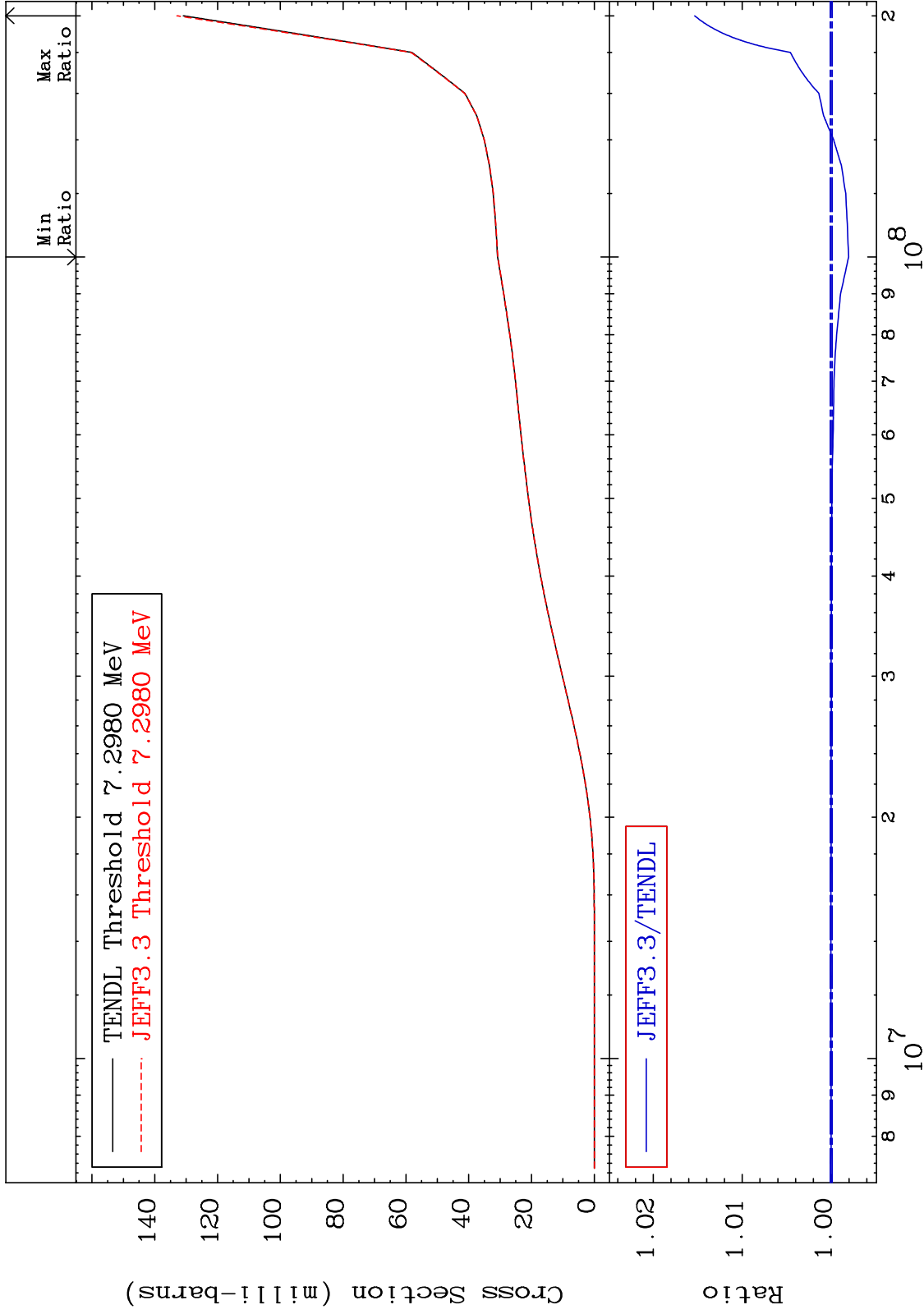
Incident Energy (eV)

66-Dy-156

MAT 6625

Tritium Production  
Cross Section

66-Dy-156  
-0.196 To 1.536 %



66

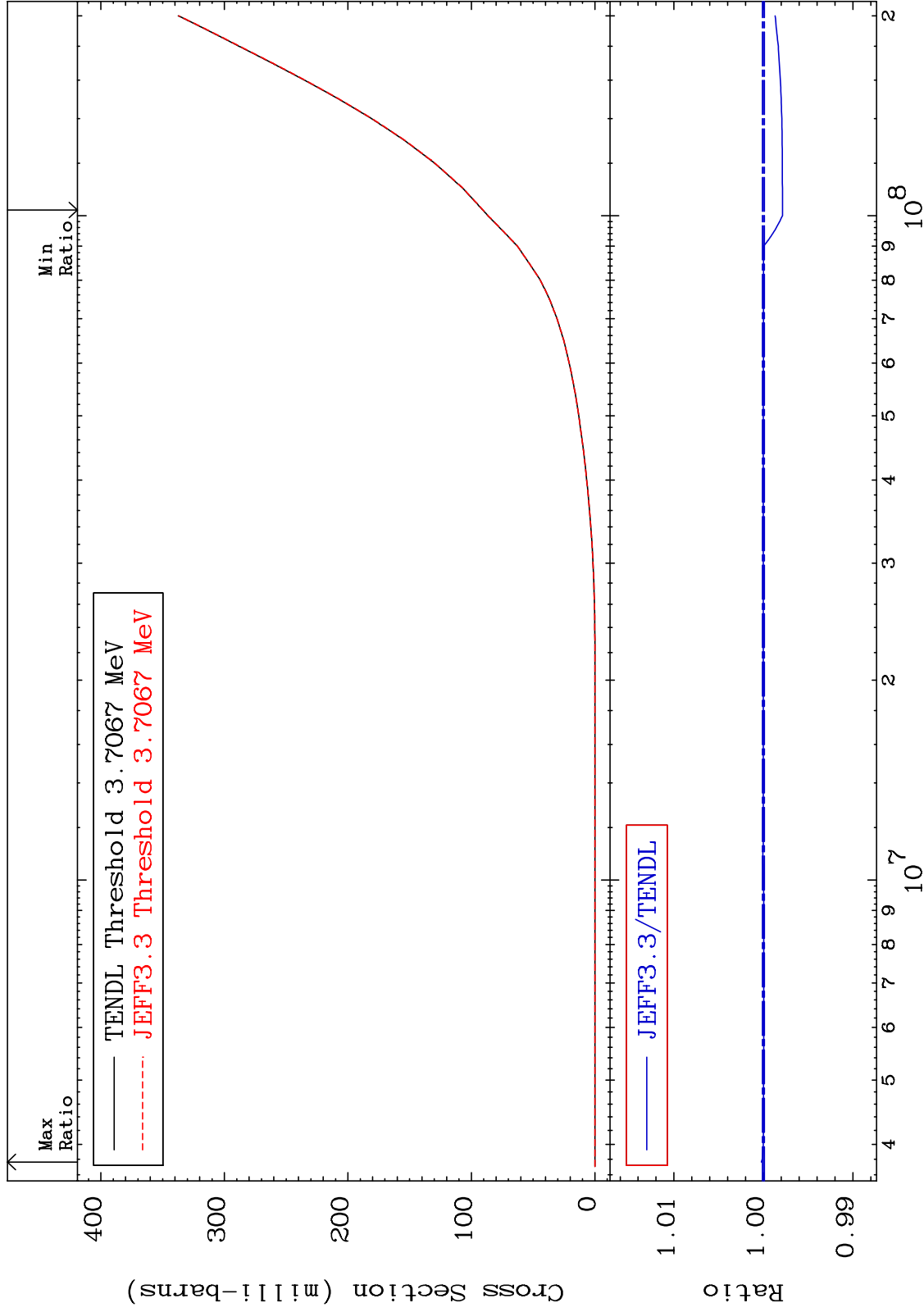
Incident Energy (eV)

66-Dy-156

MAT 6625

He-3 Production  
Cross Section

66-Dy-156  
-0.213 To 0.023 %



67

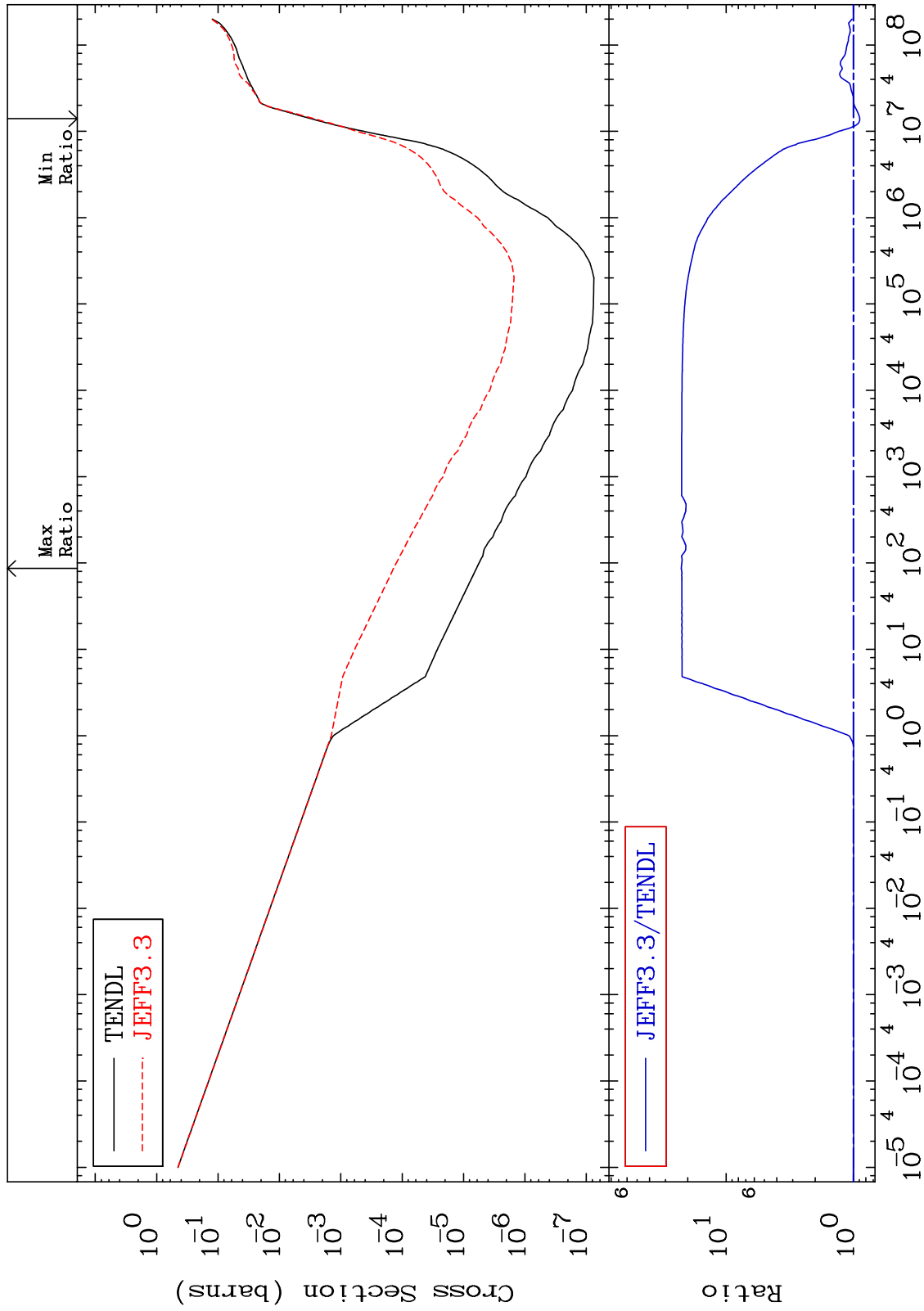
Incident Energy (eV)

66-Dy-156

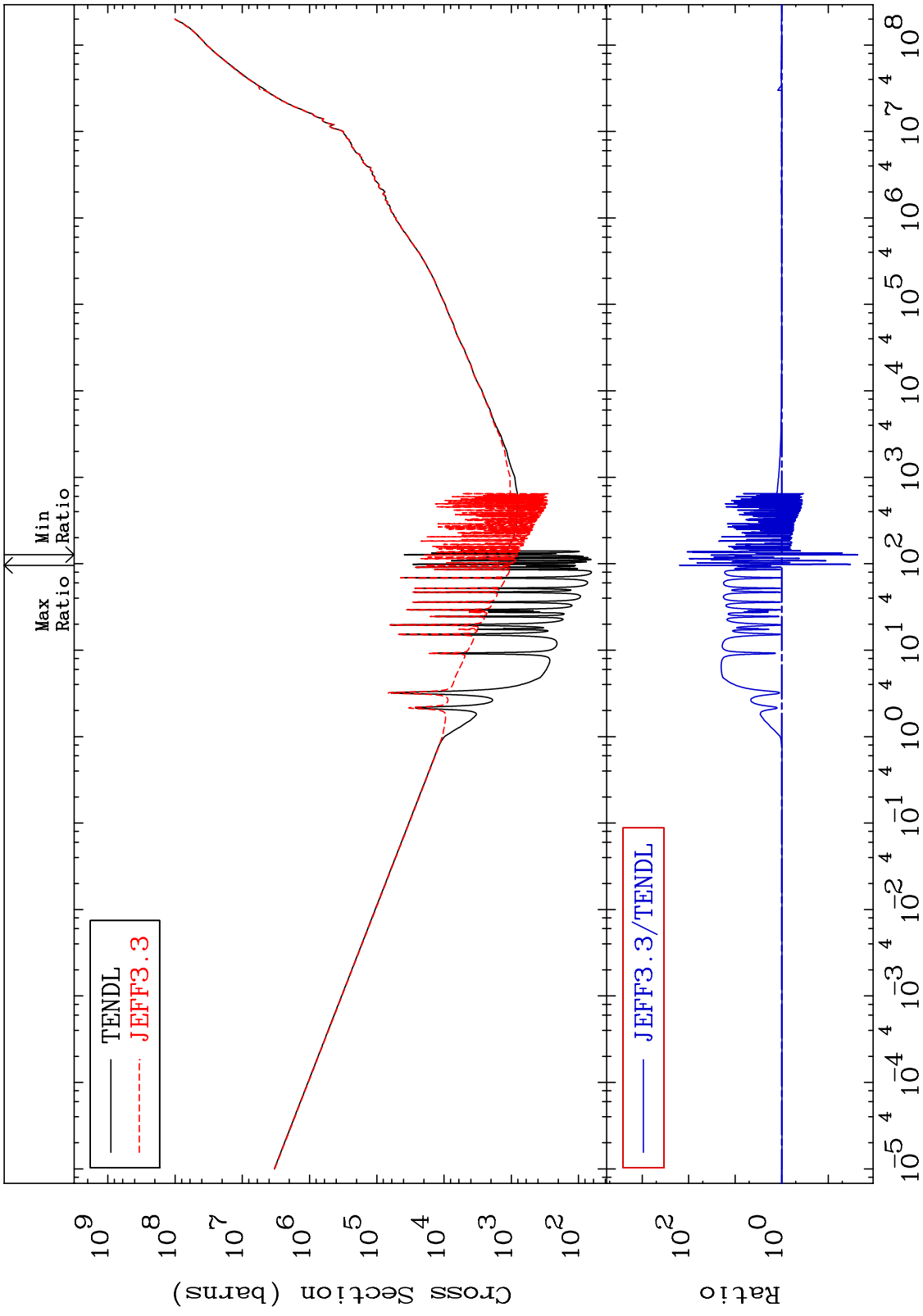
MAT 6625

He-4 Production  
Cross Section

66-Dy-156  
-10.82 To 2151. %



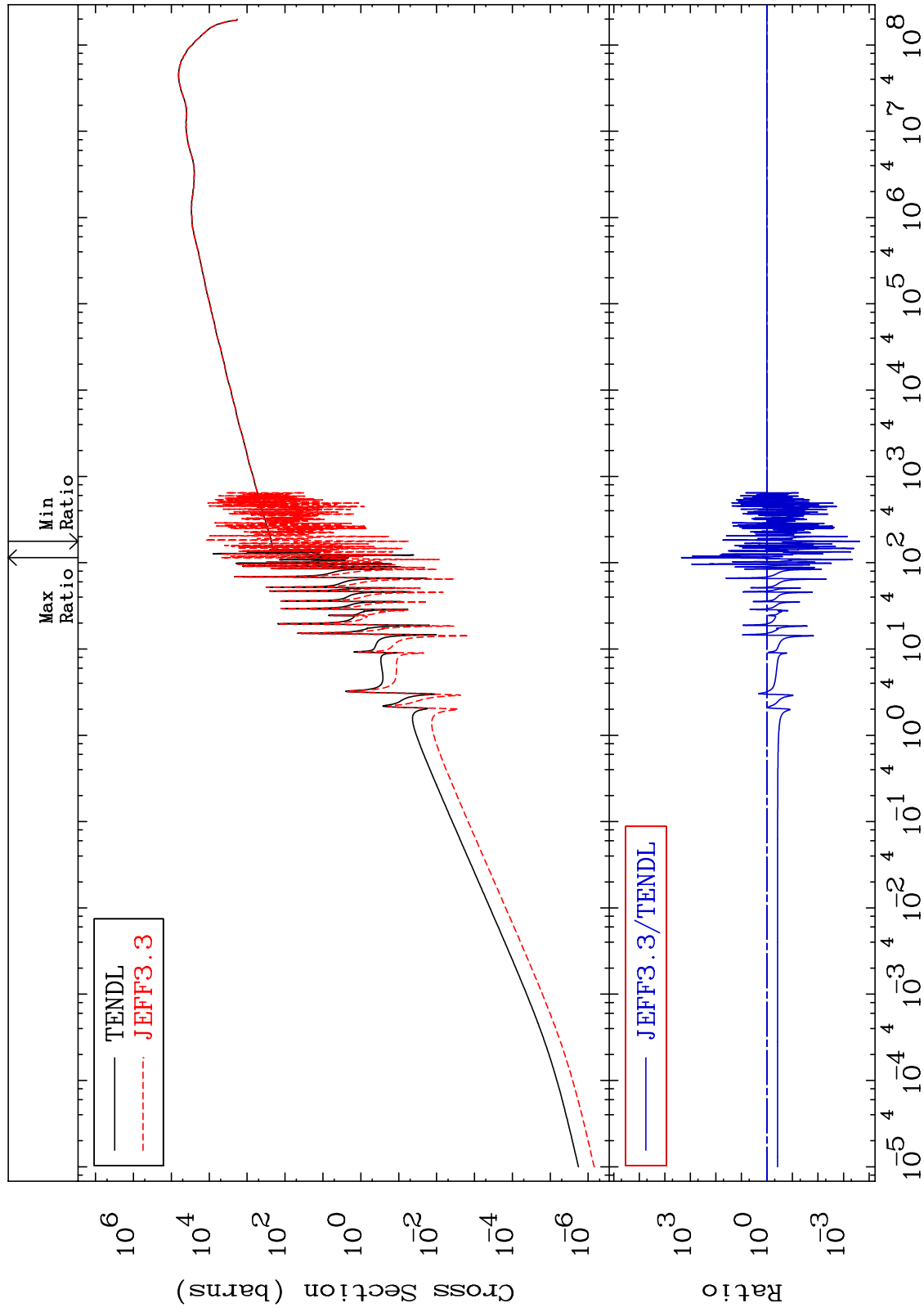
MAT 6625      Kerma total (eV-barns)      66-Dy-156  
Cross Section      -97.70 To 9999. %



MAT 6625

Kerma elastic  
Cross Section

66-Dy-156  
-99.98 To 9999. %

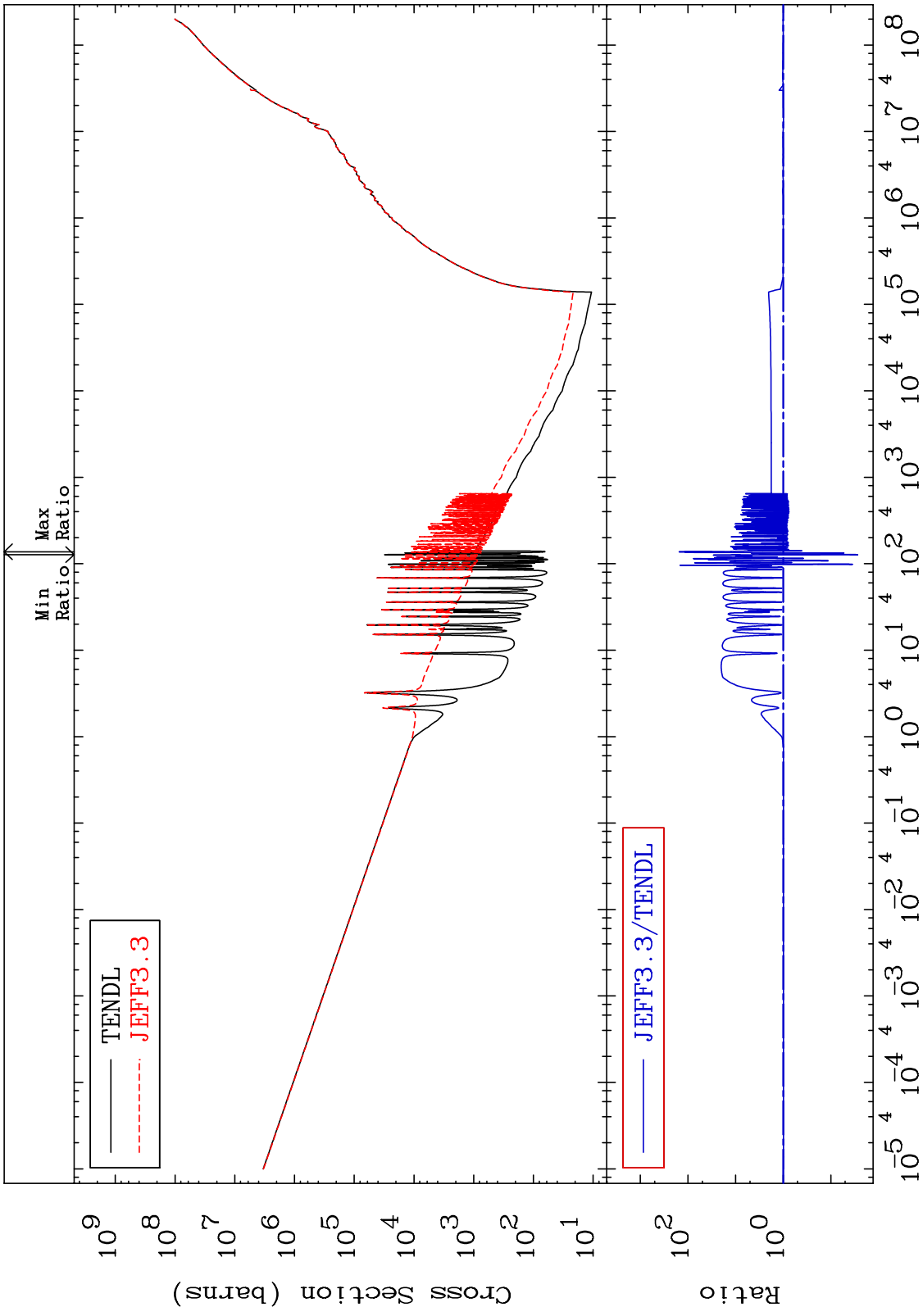


70

Incident Energy (eV)

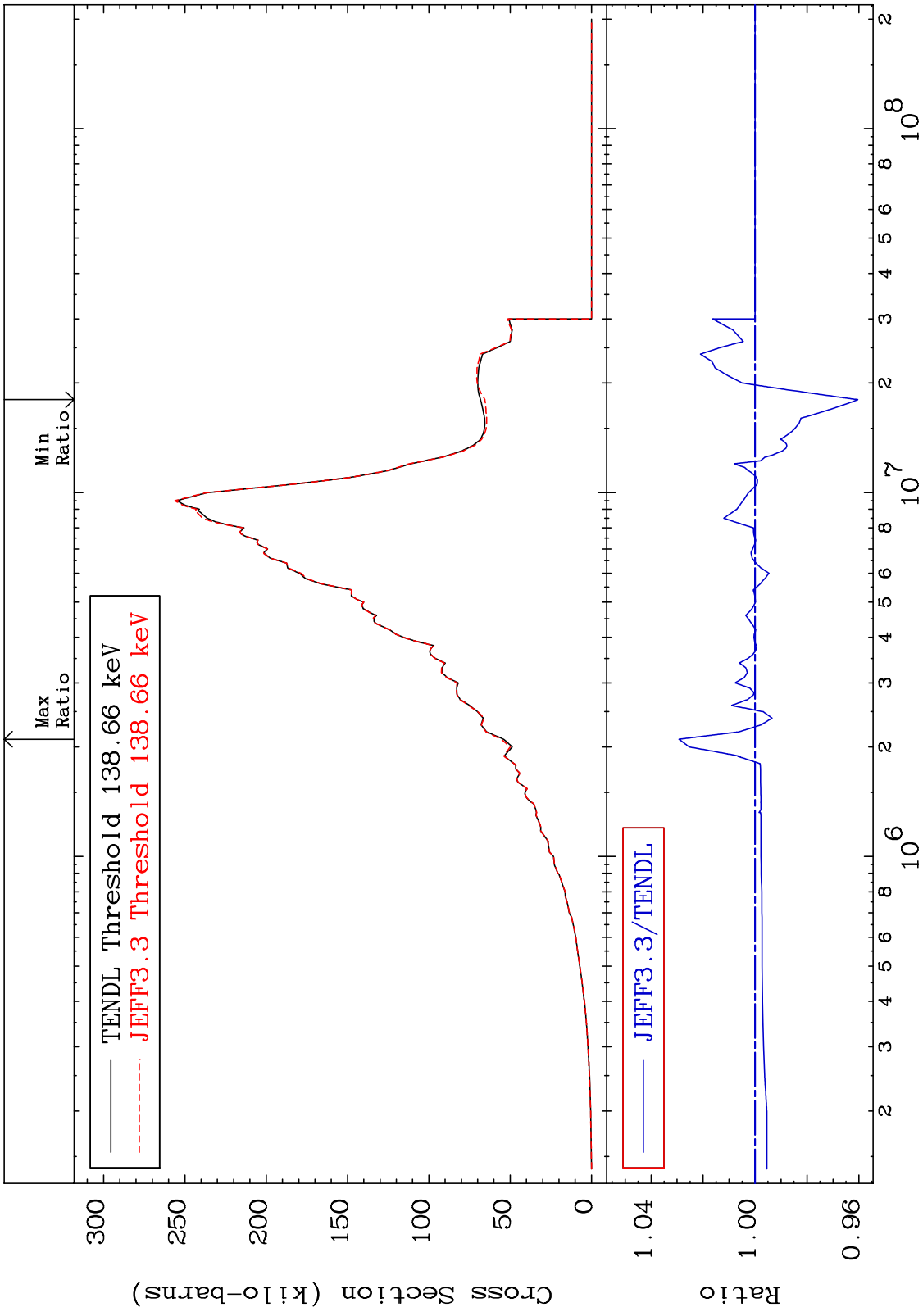
66-Dy-156

MAT 6625      Kerma non-elastic (all but mt2)      66-Dy-156  
 -97.29 To 9999. %  
 Cross Section





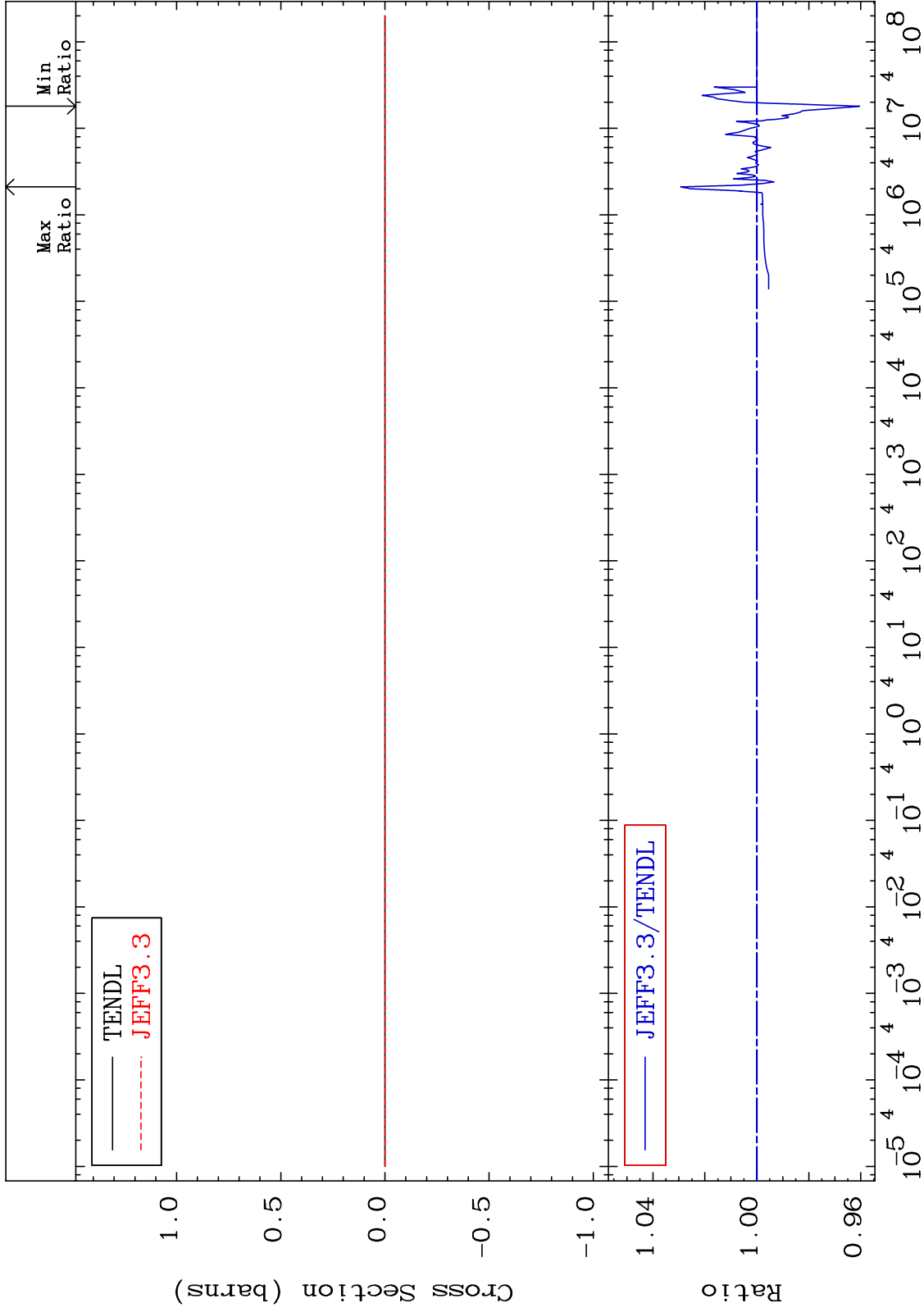
MAT 6625      Kerma inelastic (mt51-91)      66-Dy-156  
 -3.956 To 2.925 %



MAT 6625

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

66-Dy-156  
-3.956 To 2.925 %



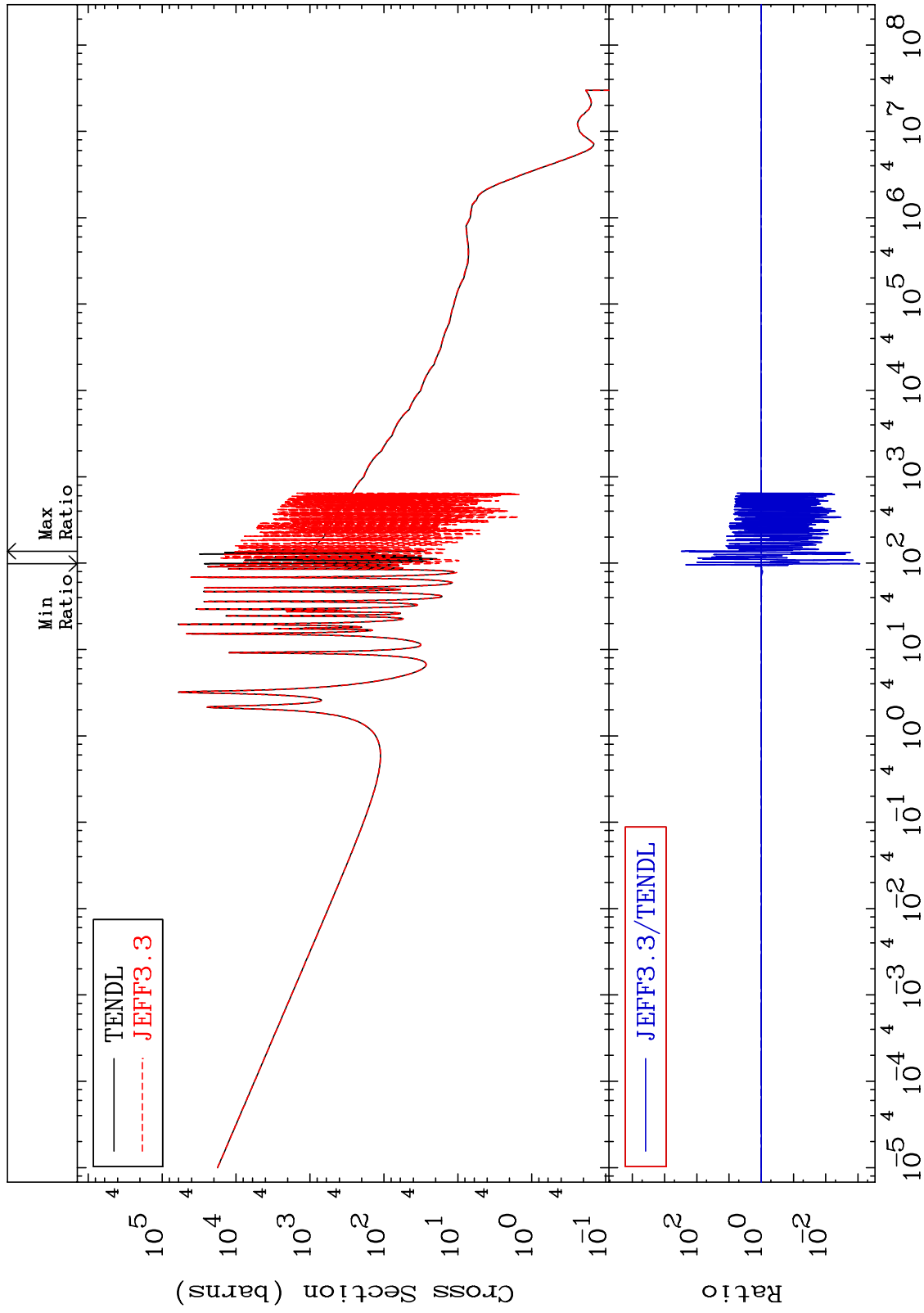
73

66-Dy-156

MAT 6625

Kerma capture (mt102)  
Cross Section

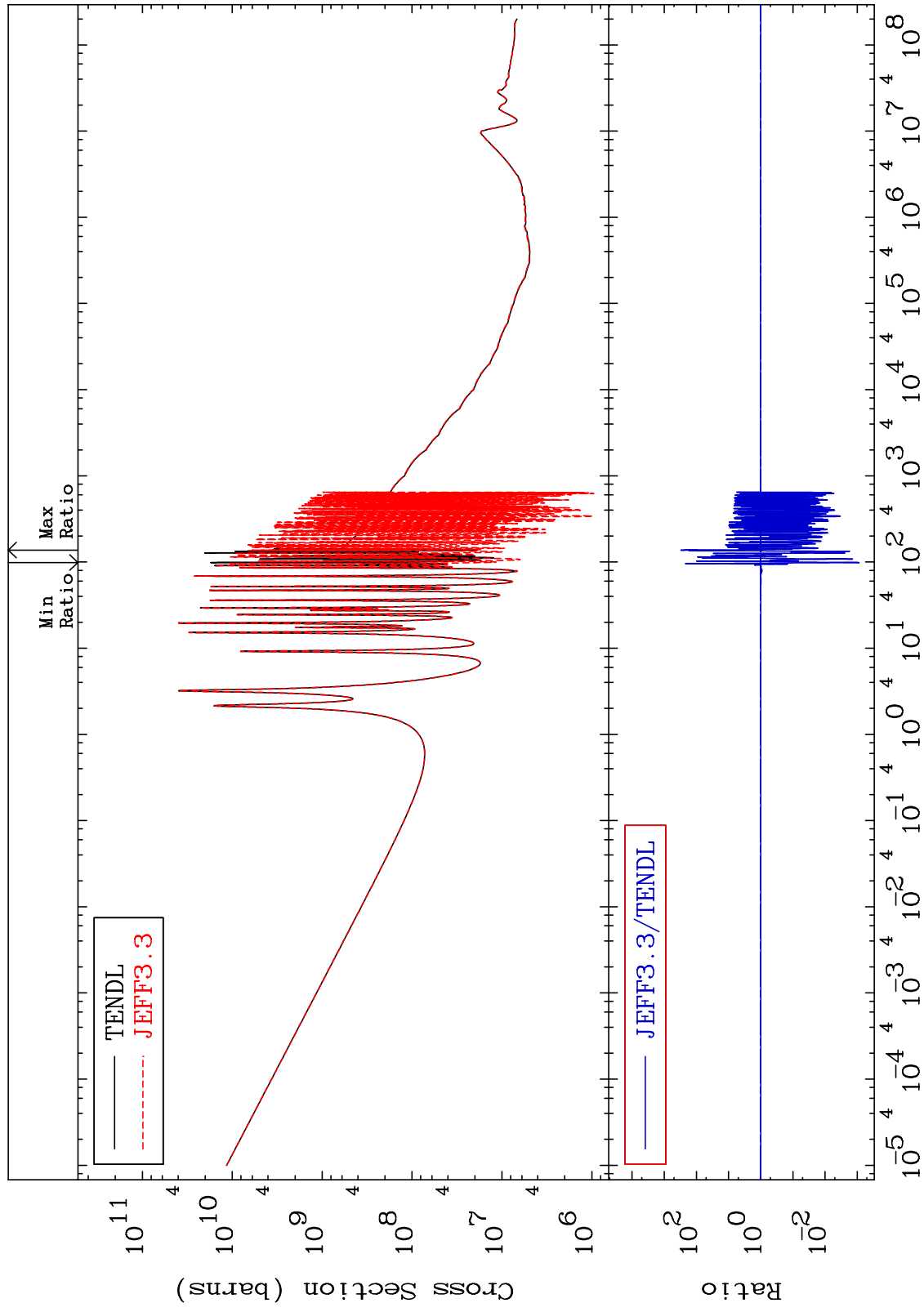
66-Dy-156  
-99.91 To 9999. %



MAT 6625

Total photon (eV-barns)  
Cross Section

66-Dy-156  
-99.91 To 9999. %

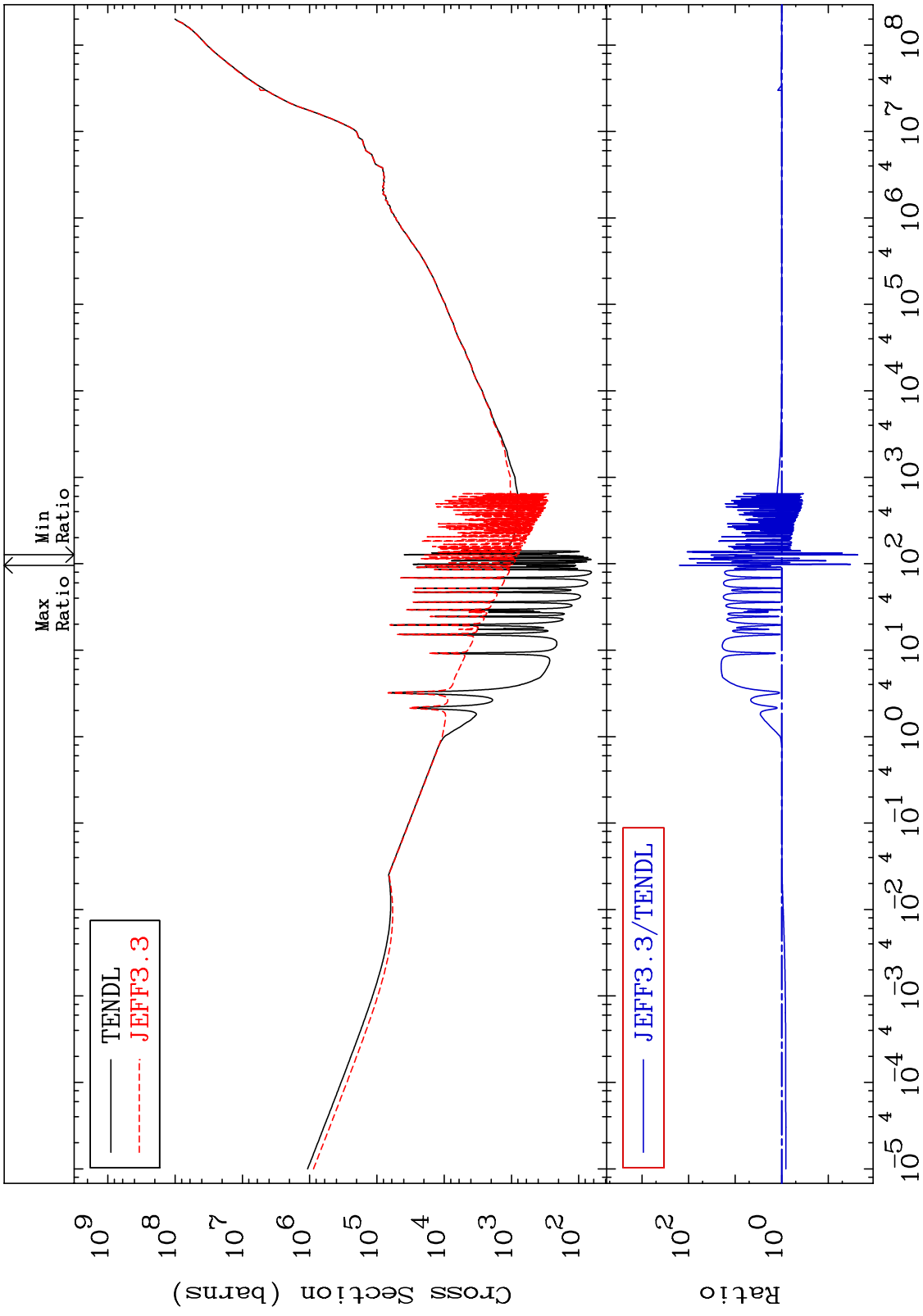


75

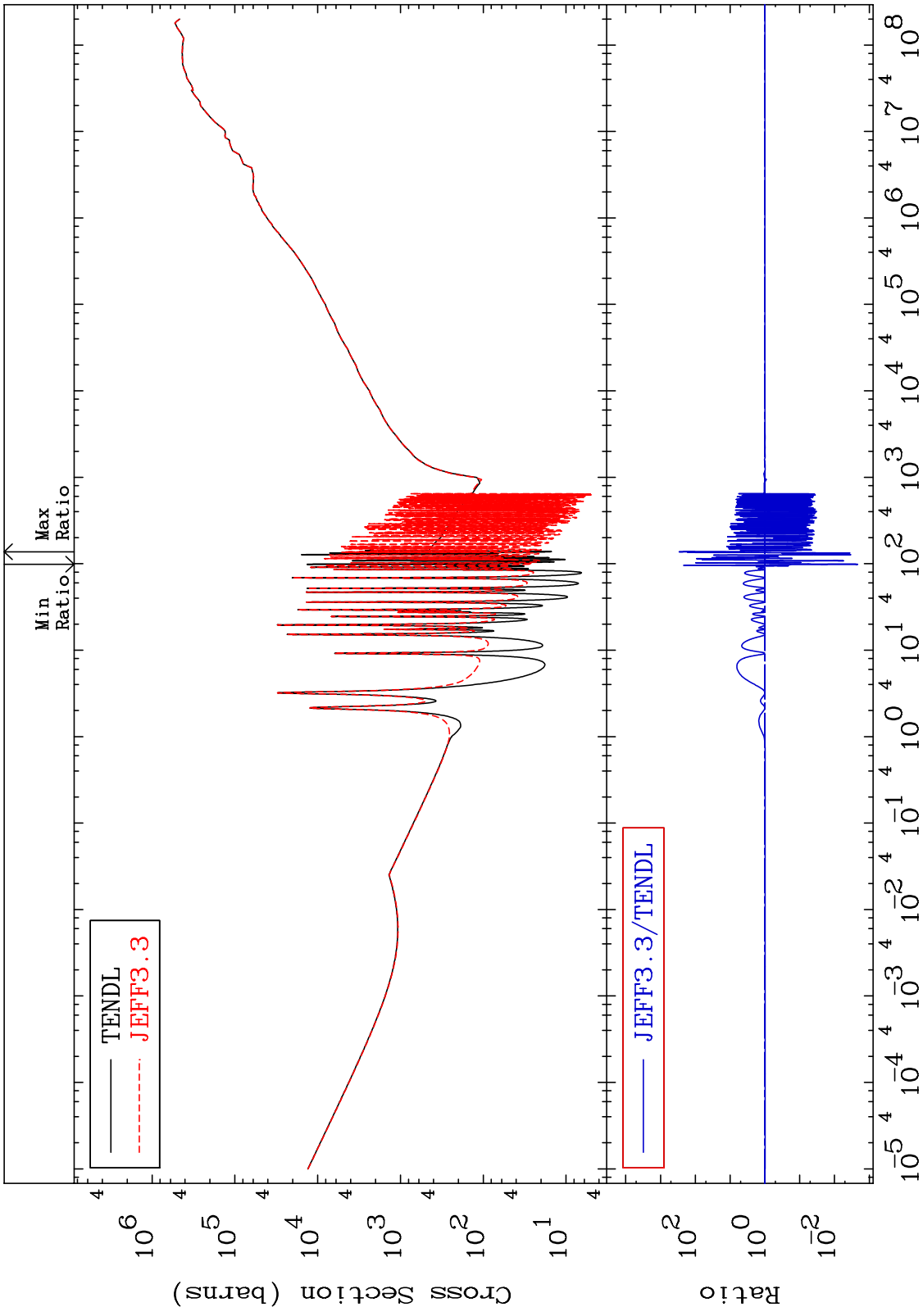
Incident Energy (eV)

66-Dy-156

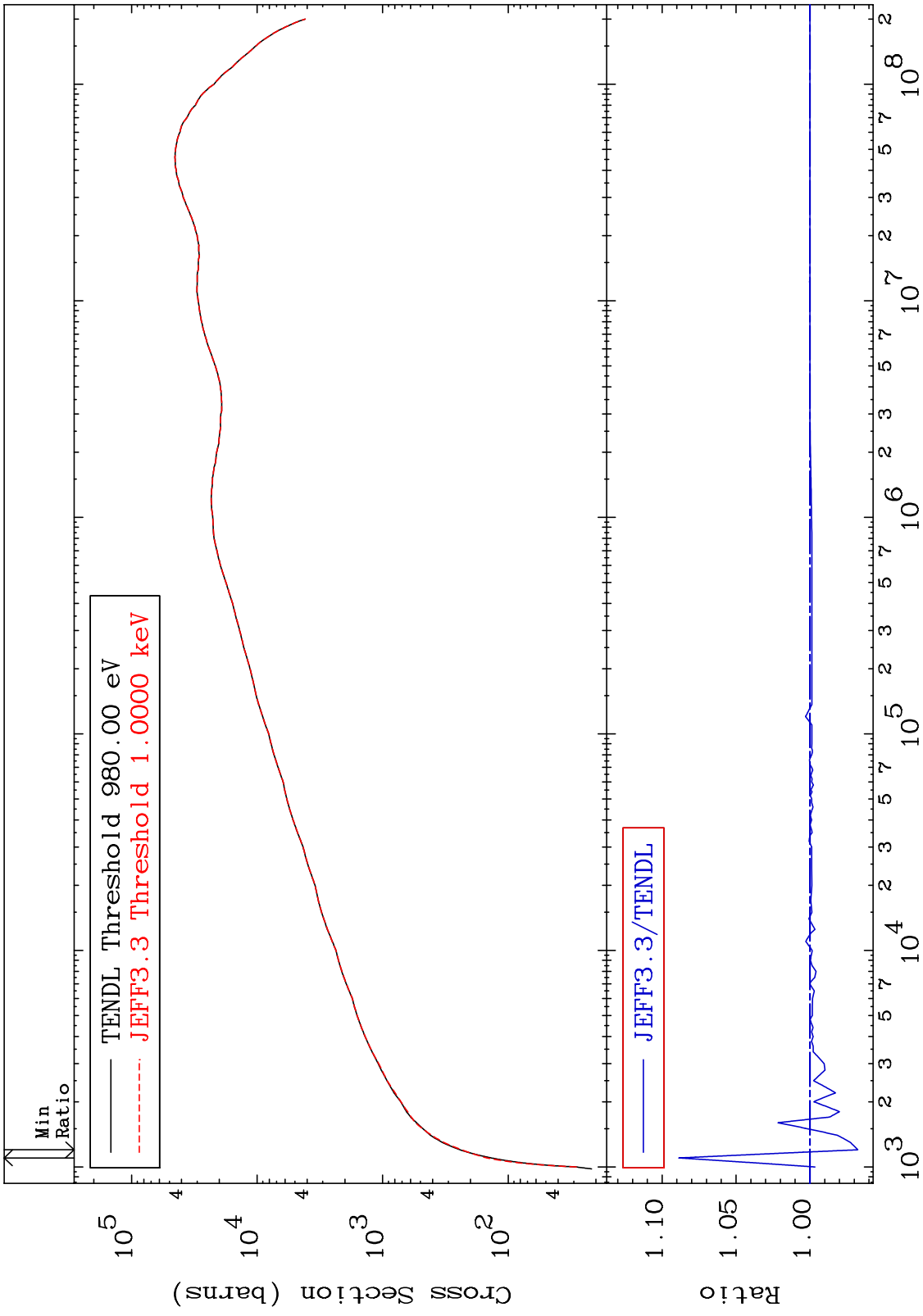
MAT 6625 Total kinematic kerma (high limit) 66-Dy-156  
 Cross Section -97.68 To 9999. %



MAT 6625      Dpa total (eV-barns)      66-Dy-156  
 Cross Section      -99.79 To 9999. %

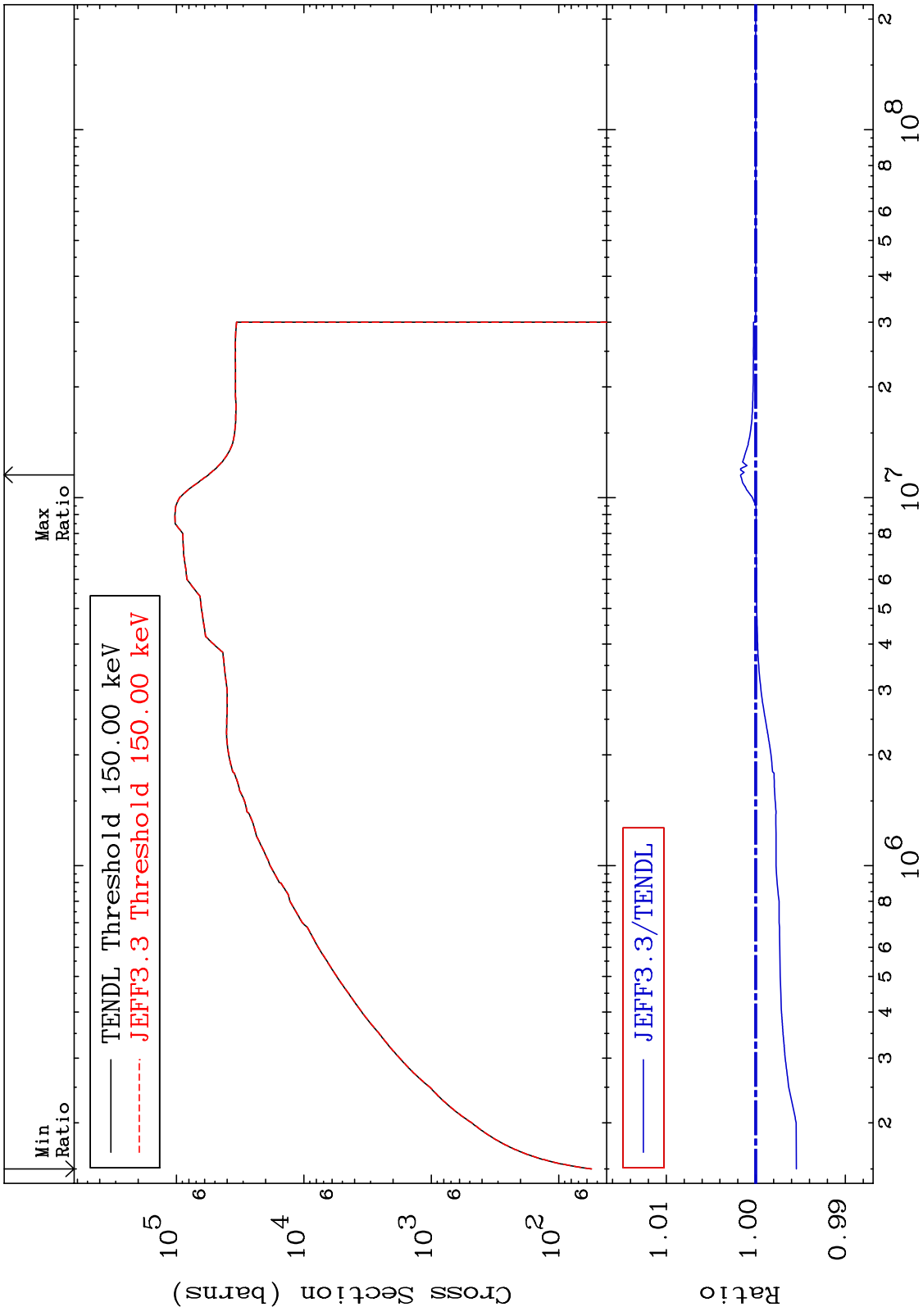


MAT 6625      Dpa elastic (mt2)      66-Dy-156  
Cross Section      -3.242 To 8.853 %



78      Incident Energy (eV)      66-Dy-156

MAT 6625      Dpa inelastic (mt51-91)      66-Dy-156  
 Cross Section      -0.453 To 0.170 %

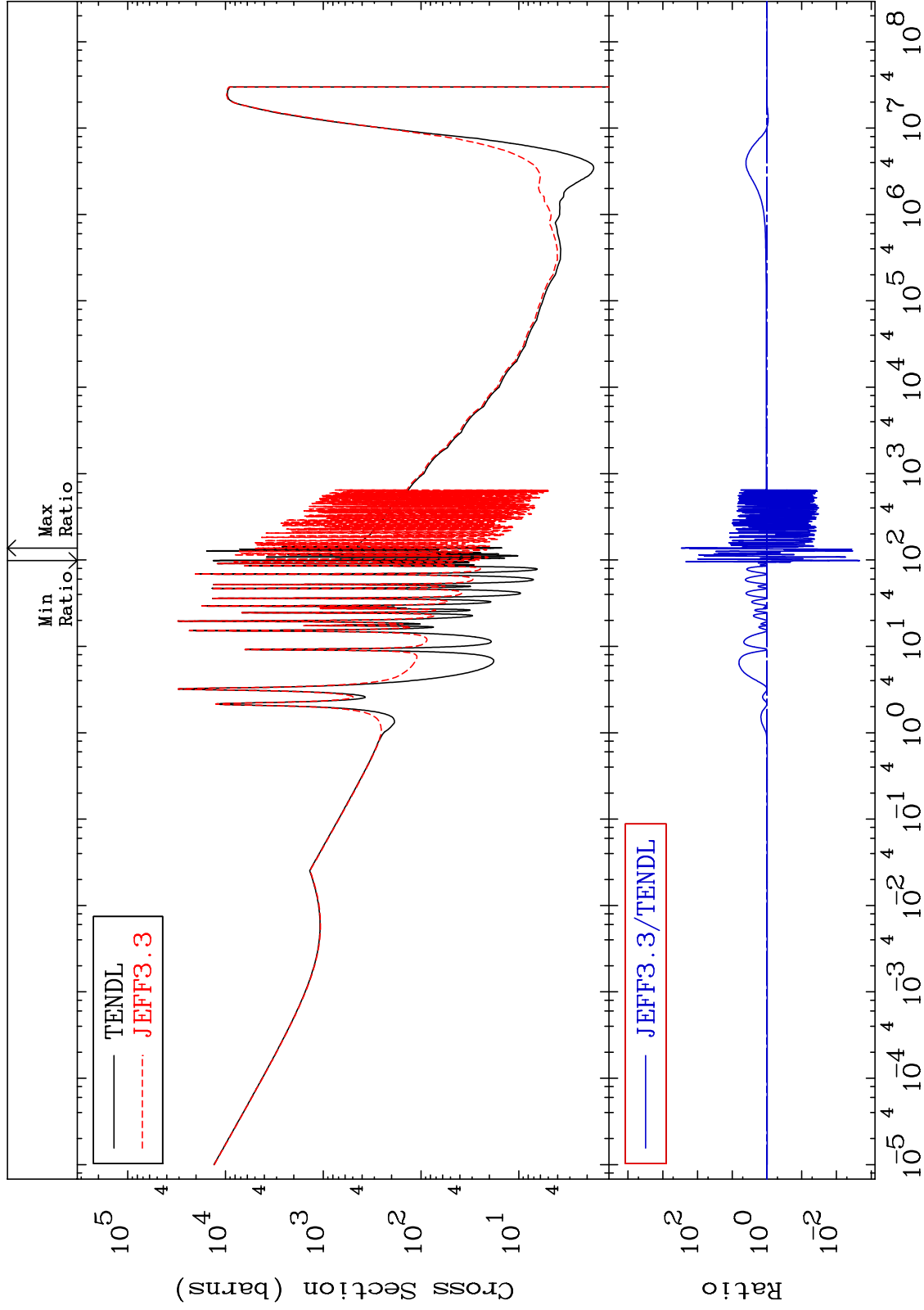




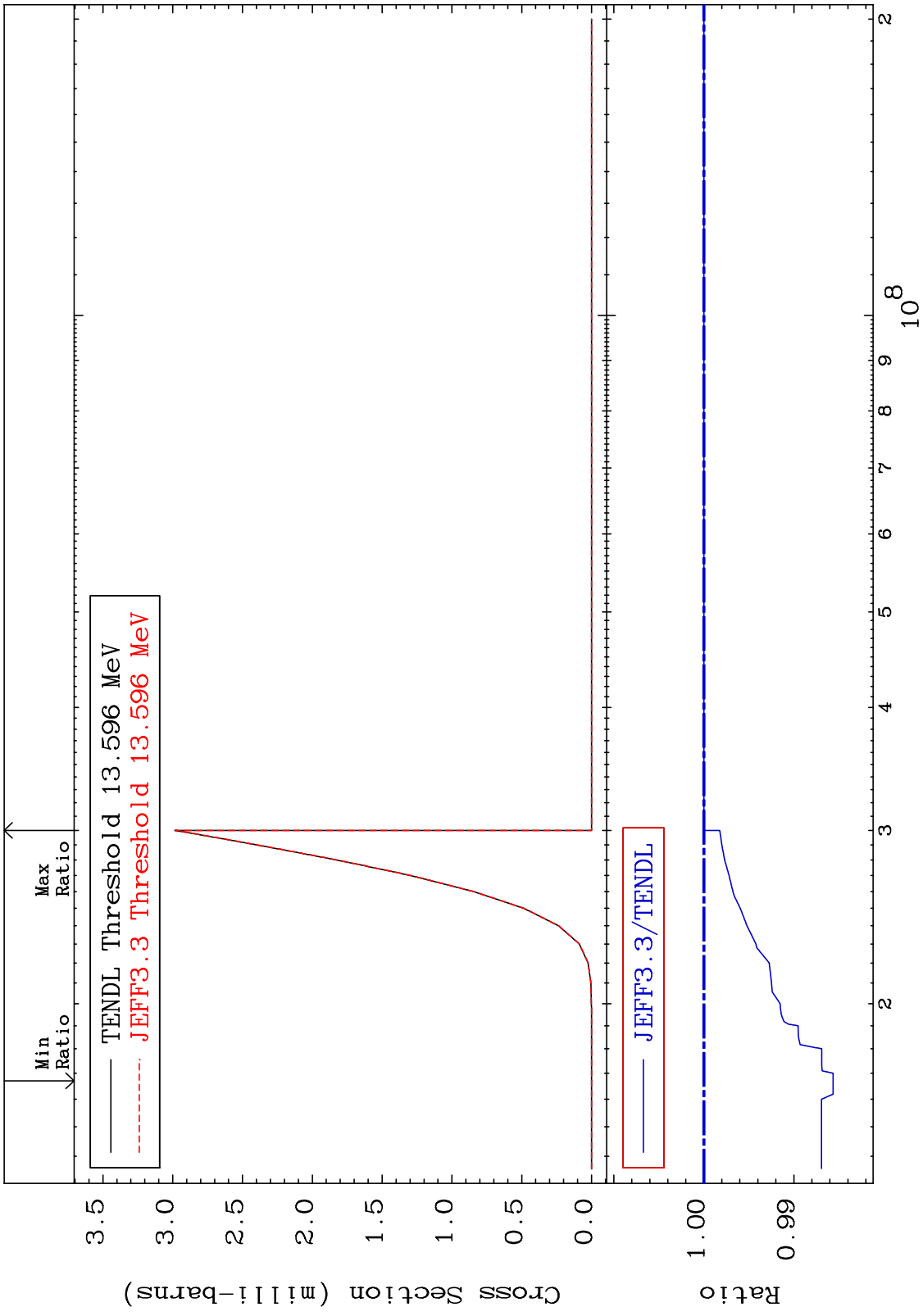
MAT 6625

Dpa disappearance (mt102 -120)  
Cross Section

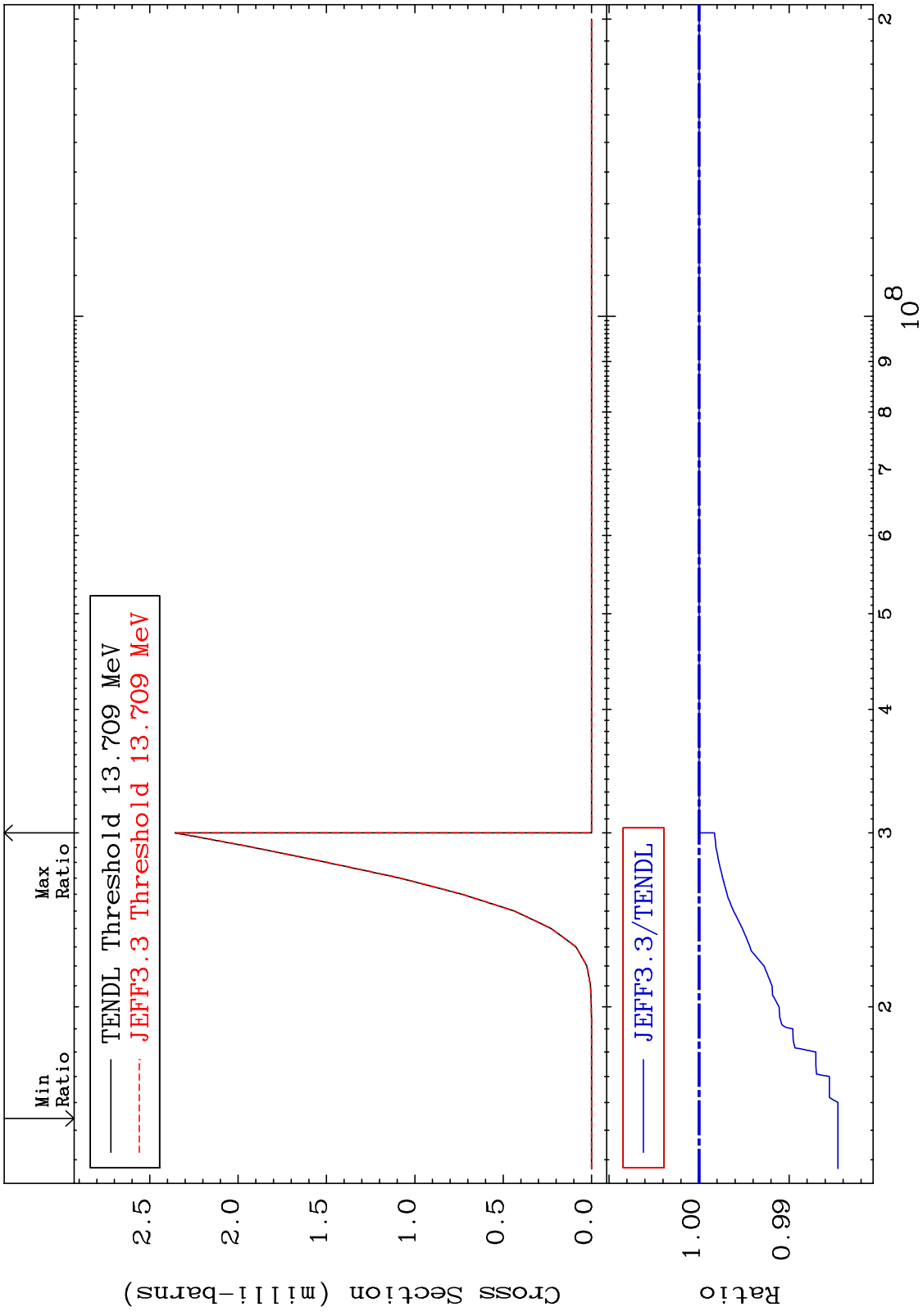
66-Dy-156  
-99.79 To 9999. %



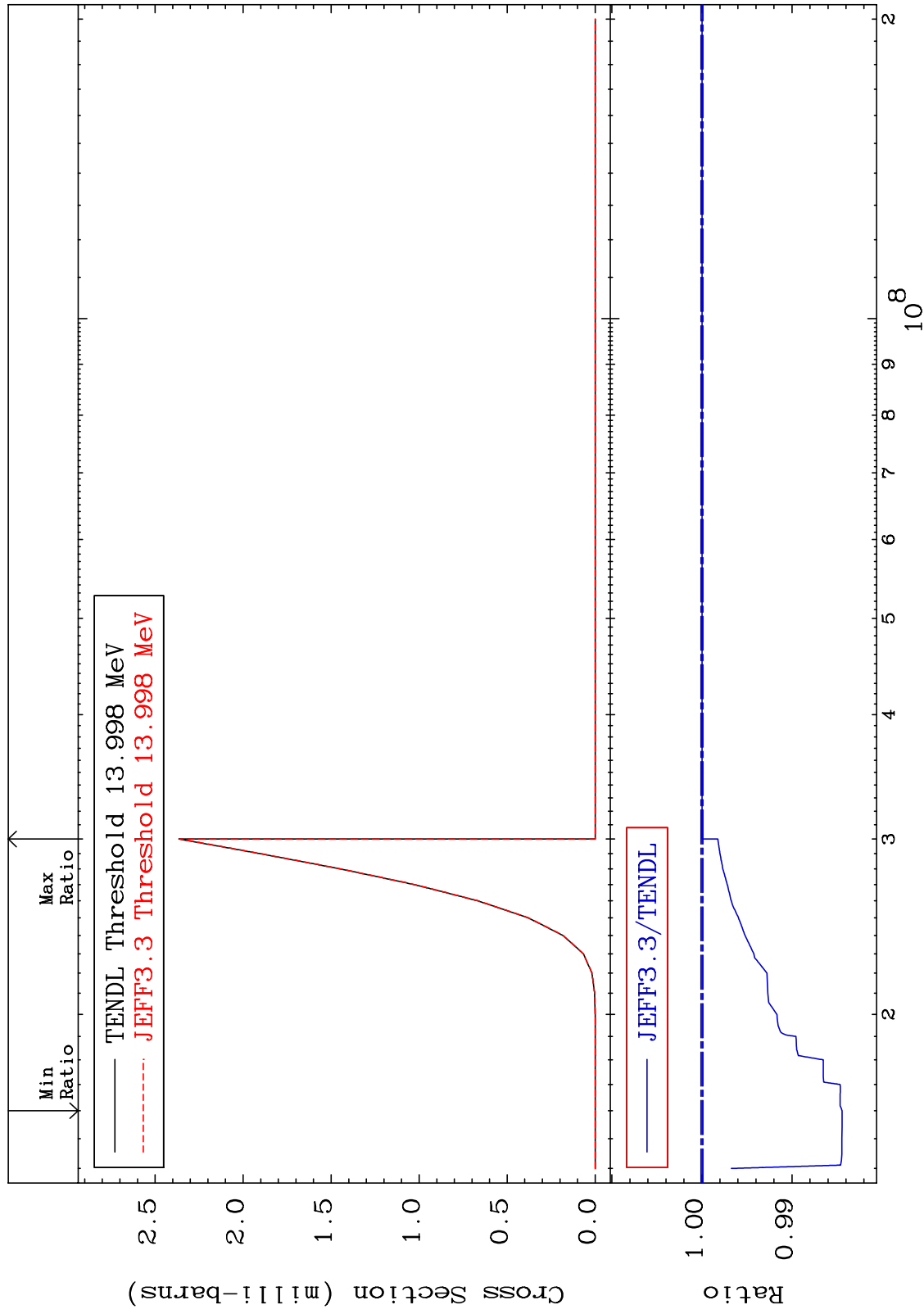
MAT 6625 (n, n') d:65-Tb-154g 66-Dy-156  
 Radionuclide Production Cross Section -1.435 To 0.000 %



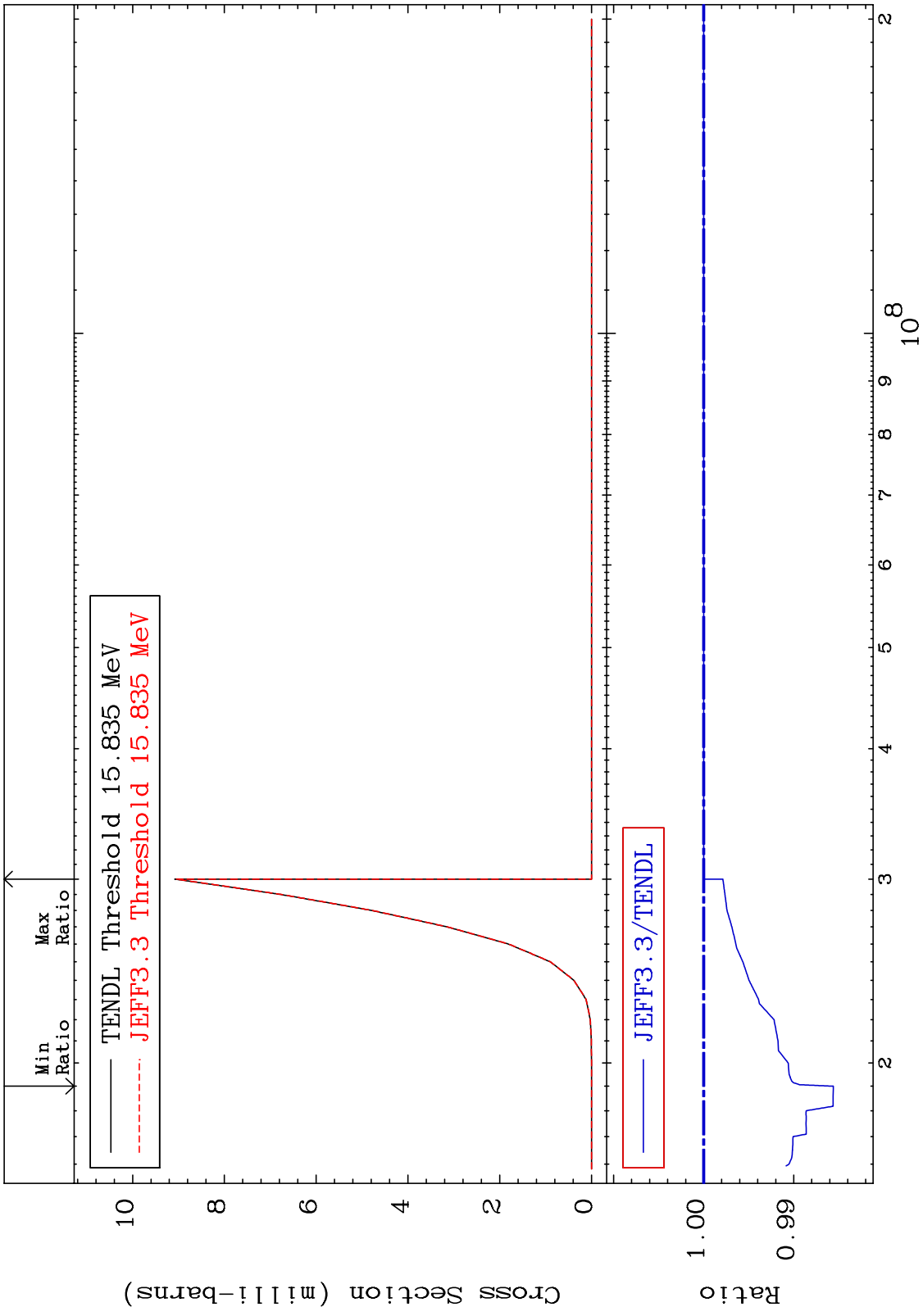
MAT 6625 (n,n') d:65-Tb-154m1 66-Dy-156  
 Radionuclide Production Cross Section -1.541 To 0.000 %



MAT 6625 (n,n') d:65-Tb-154m2 66-Dy-156  
Radionuclide Production Cross Section -1.556 To 0.000 %



MAT 6625 (n,2n) p:65-Tb-154g 66-Dy-156  
 Radionuclide Production Cross Section -1.439 To 0.000 %

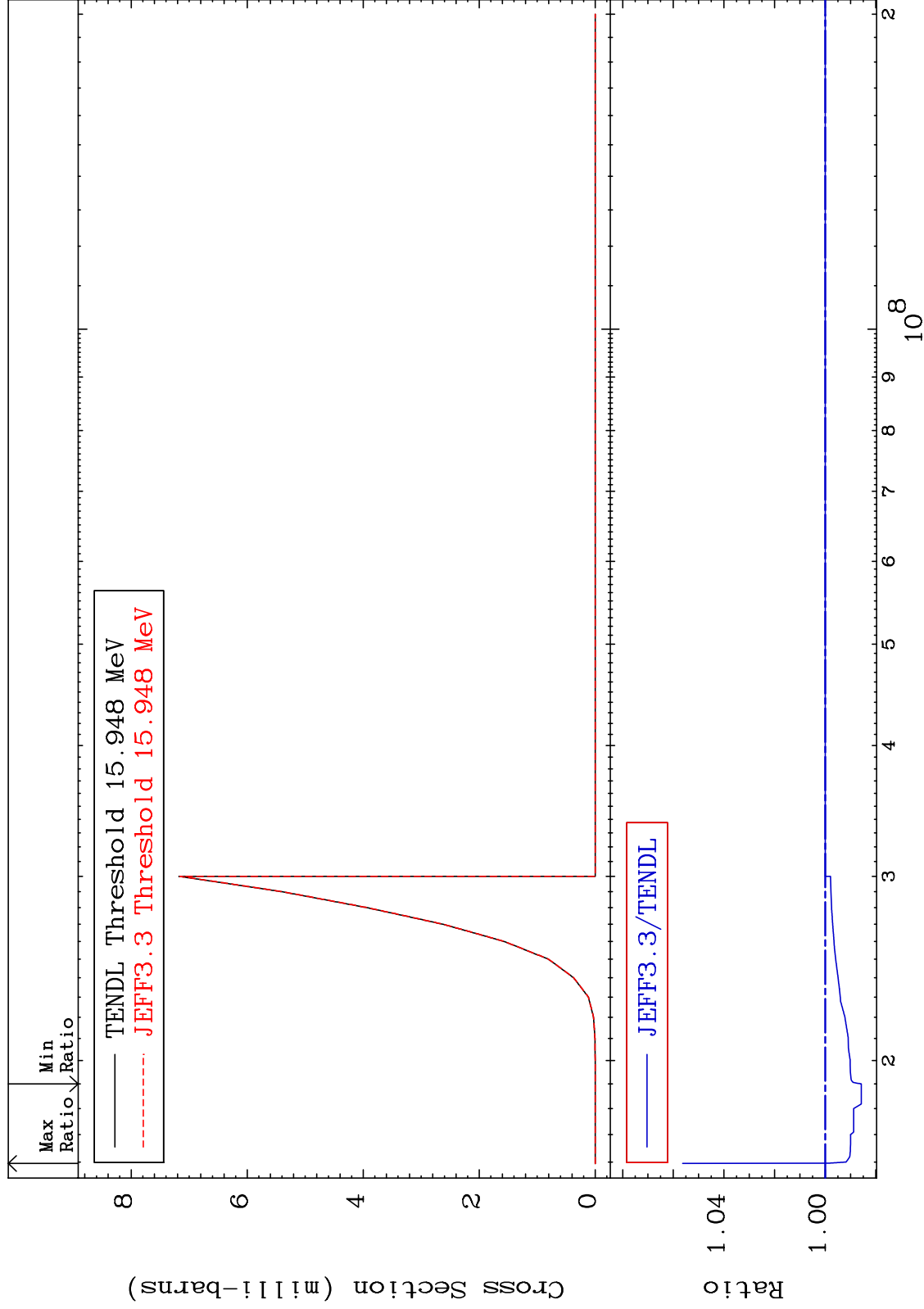


MAT 6625

(n,2n) p:65-Tb-154m1

66-Dy-156

Radionuclide Production Cross Section -1.428 To 5.629 %



85

Incident Energy (eV)

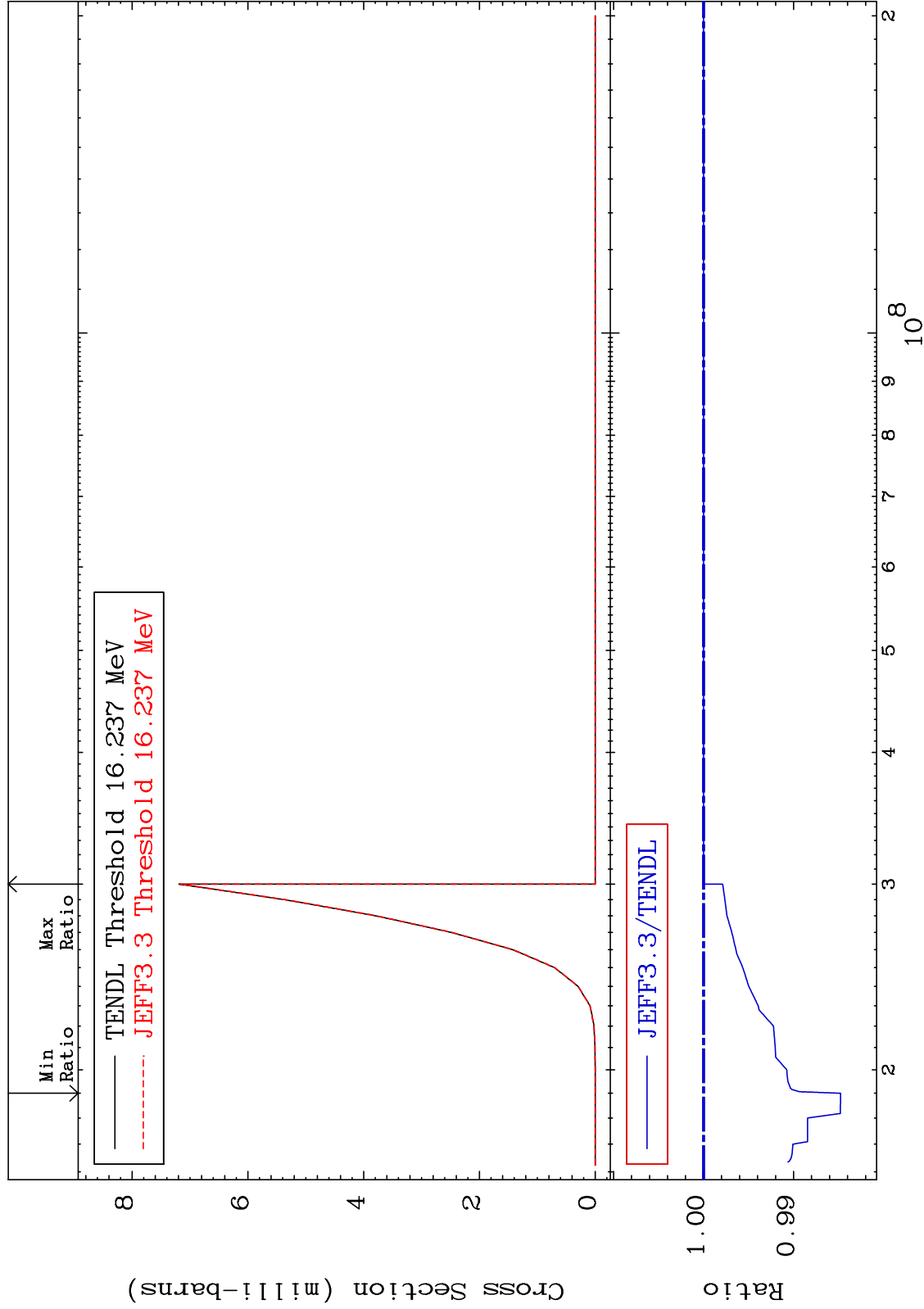
66-Dy-156

MAT 6625

(n,2n) p:65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section -1.521 To 0.000 %



86

Incident Energy (eV)

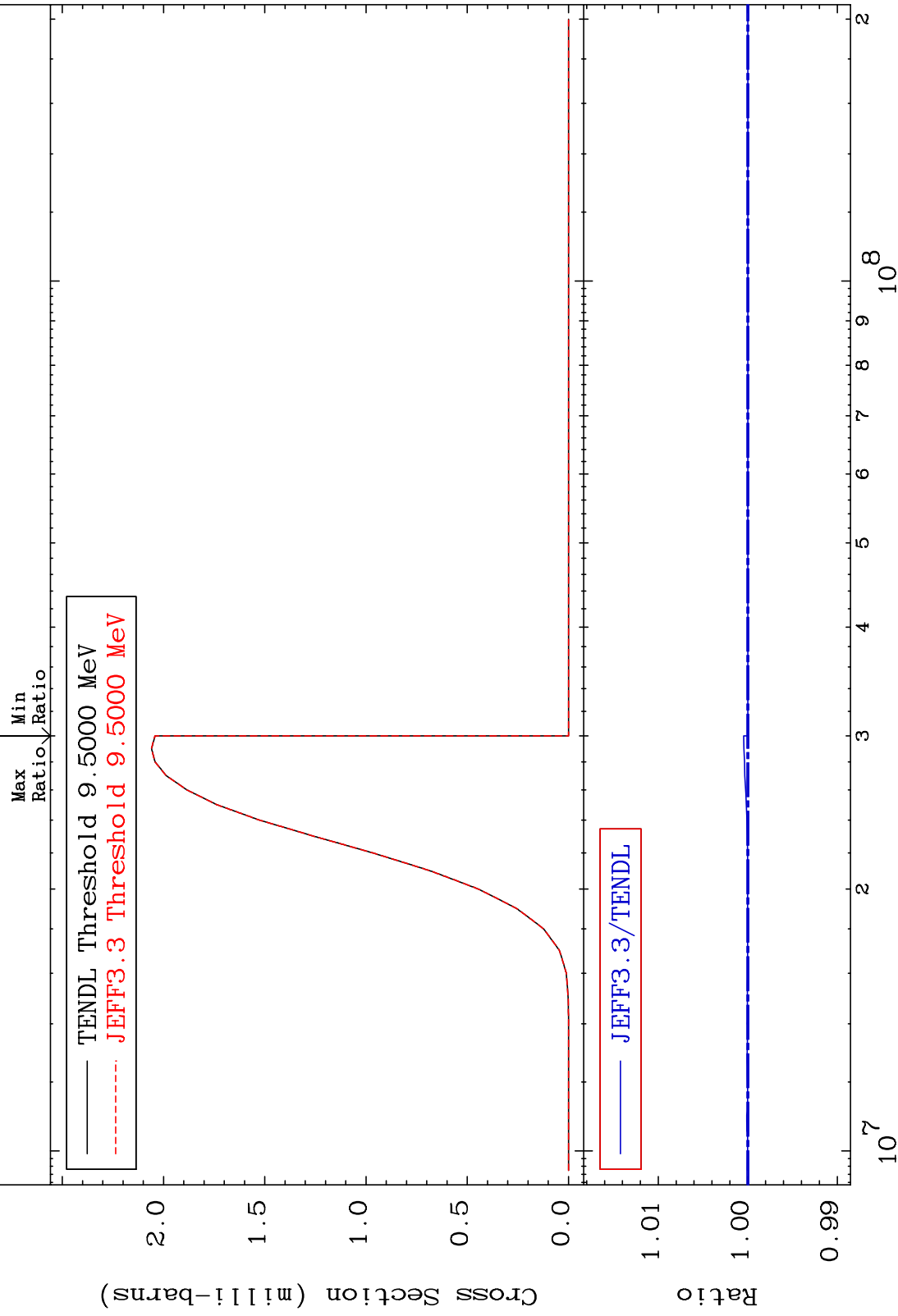
66-Dy-156

MAT 6625

(n, t) : 65-Tb-154g

66-Dy-156

Radionuclide Production Cross Section 0.000 To 0.046 %



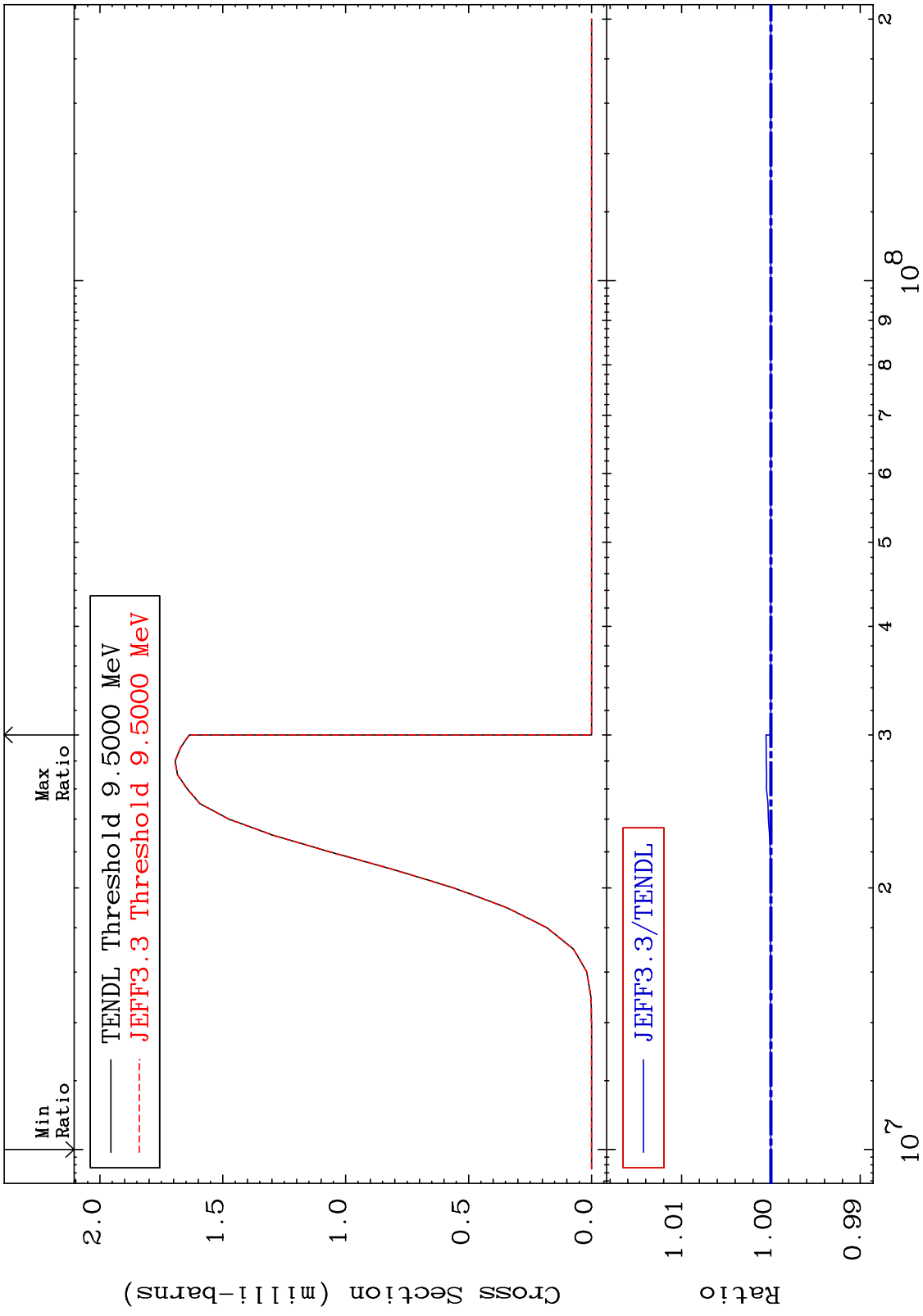
87

Incident Energy (eV)

66-Dy-156



MAT 6625 (n, t): 65-Tb-154m1 66-Dy-156  
Radionuclide Production Cross Section 0.000 To 0.055 %

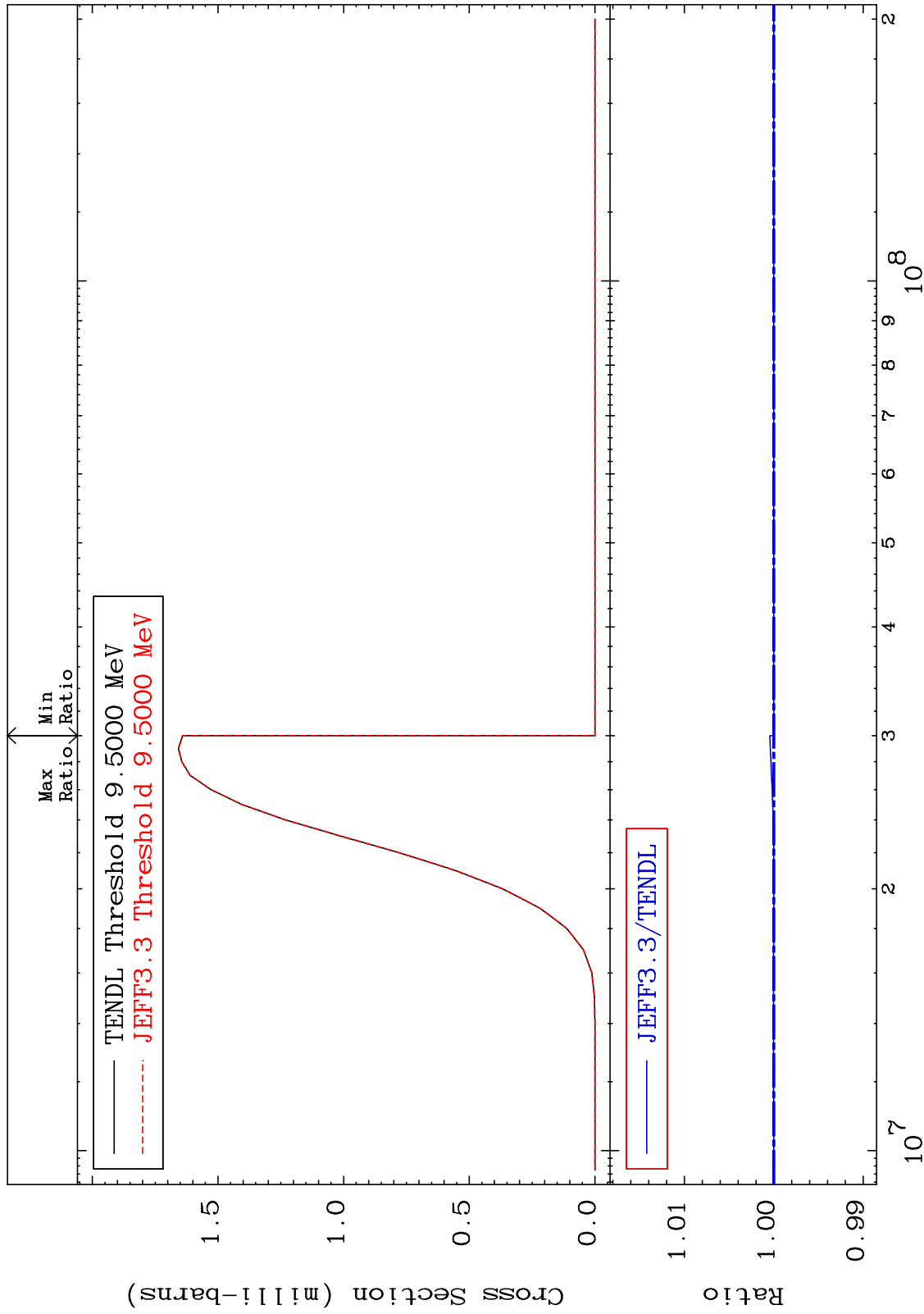


MAT 6625

(n, t): 65-Tb-154m2

66-Dy-156

Radionuclide Production Cross Section 0.000 To 0.044 %



89

Incident Energy (eV)

66-Dy-156