

Program Complot  
(Version 2018-1)

by

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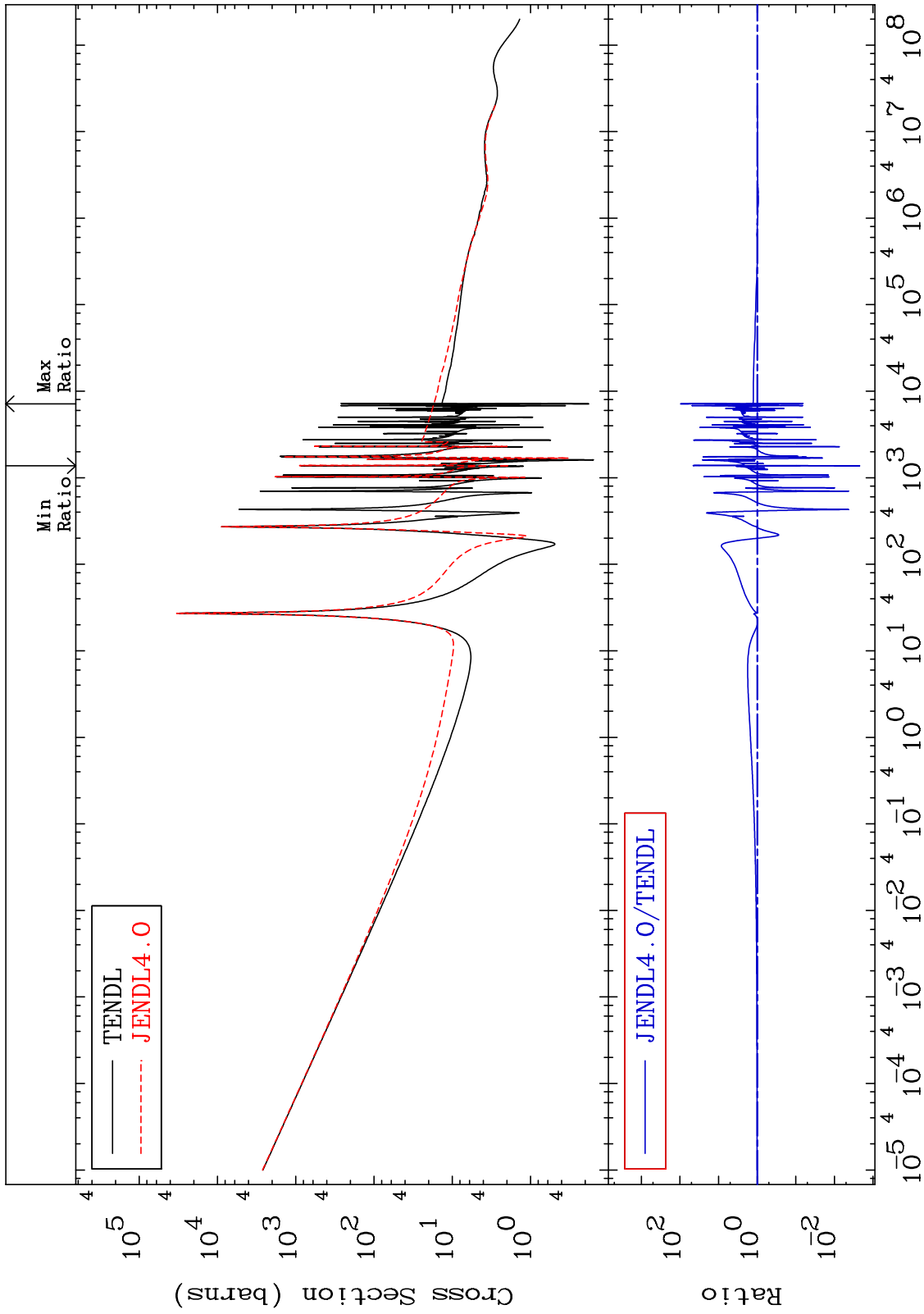
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3425

Total  
Cross Section

34-Se-74  
-99.78 To 9384. %



1

Incident Energy (eV)

34-Se-74

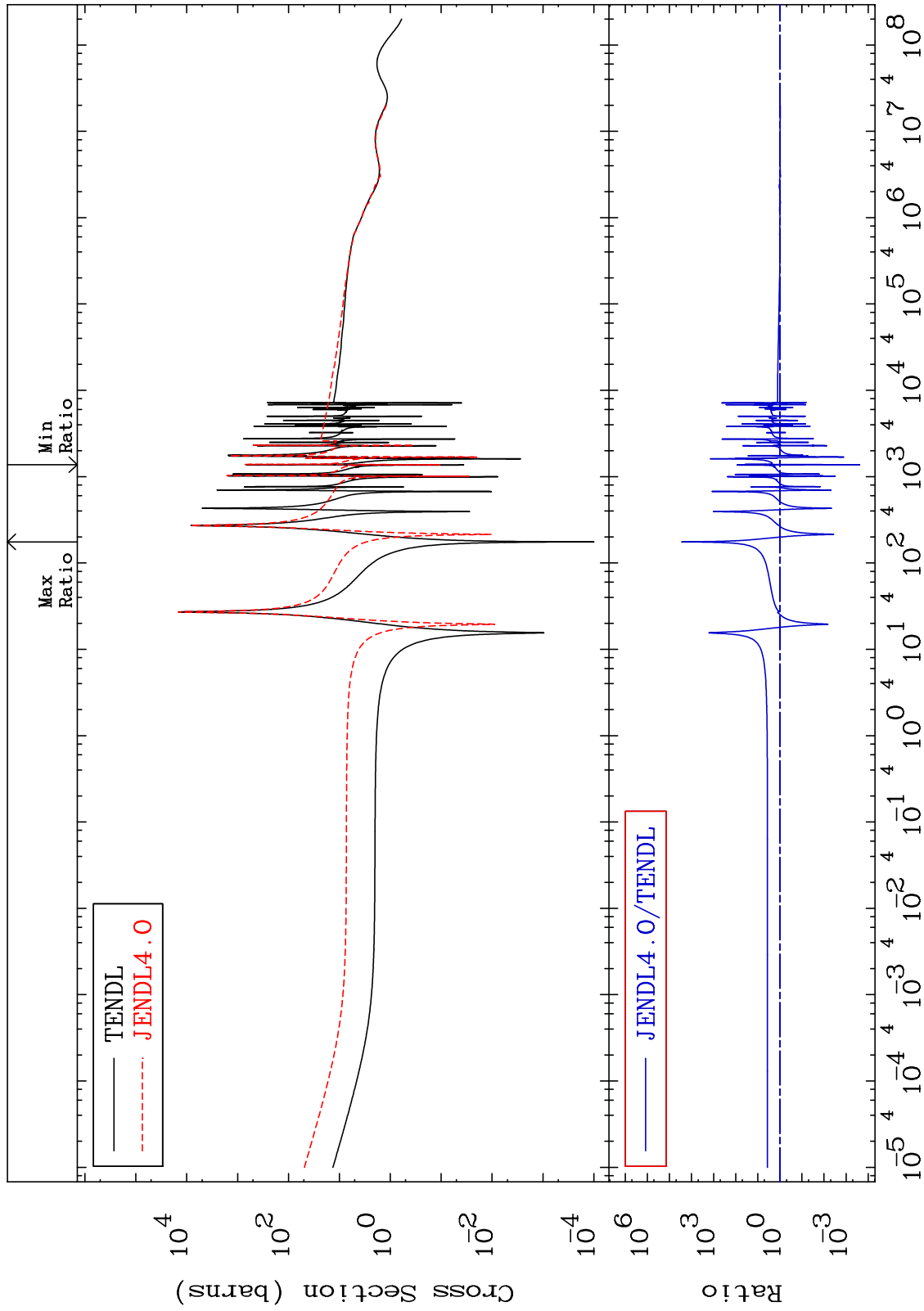
MAT 3425

Elastic

34-Se-74

-99.98 To 9999. %

Cross Section

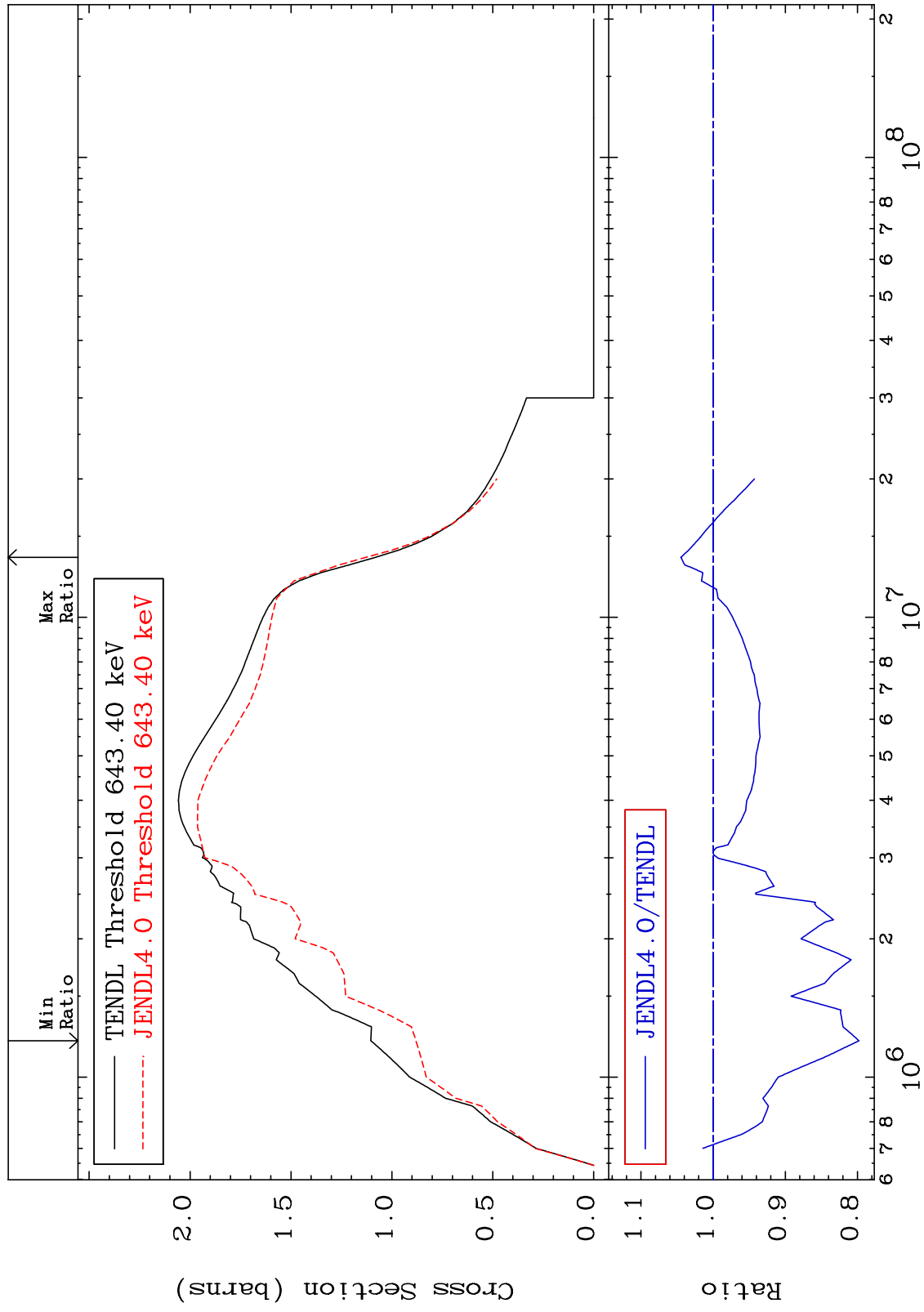


2

Incident Energy (eV)

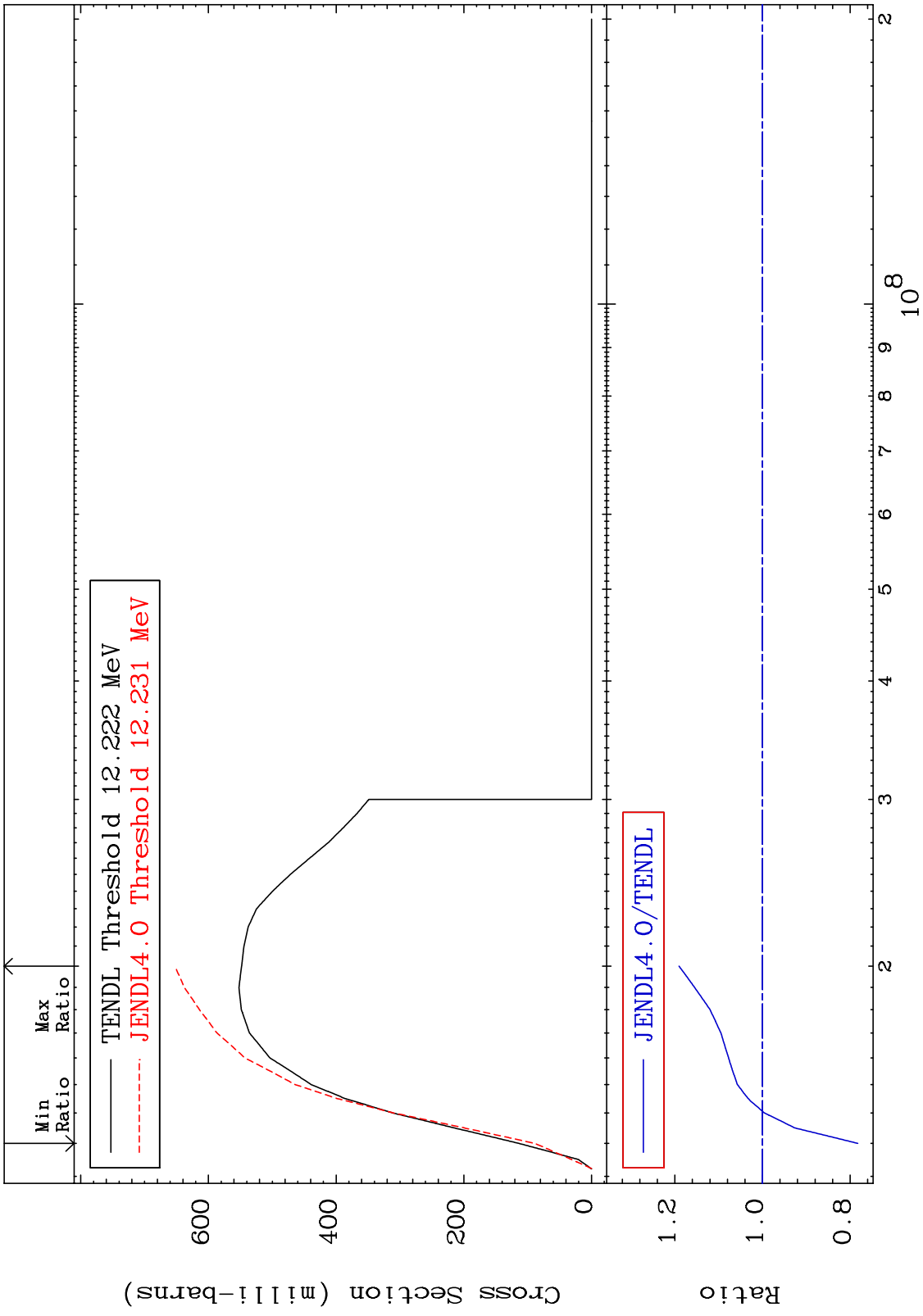
34-Se-74

MAT 3425 Inelastic Cross Section 34-Se-74 -20.23 To 4.474 %



3 34-Se-74

MAT 3425 (n,2n) Cross Section 34-Se-74 -21.76 To 19.05 %



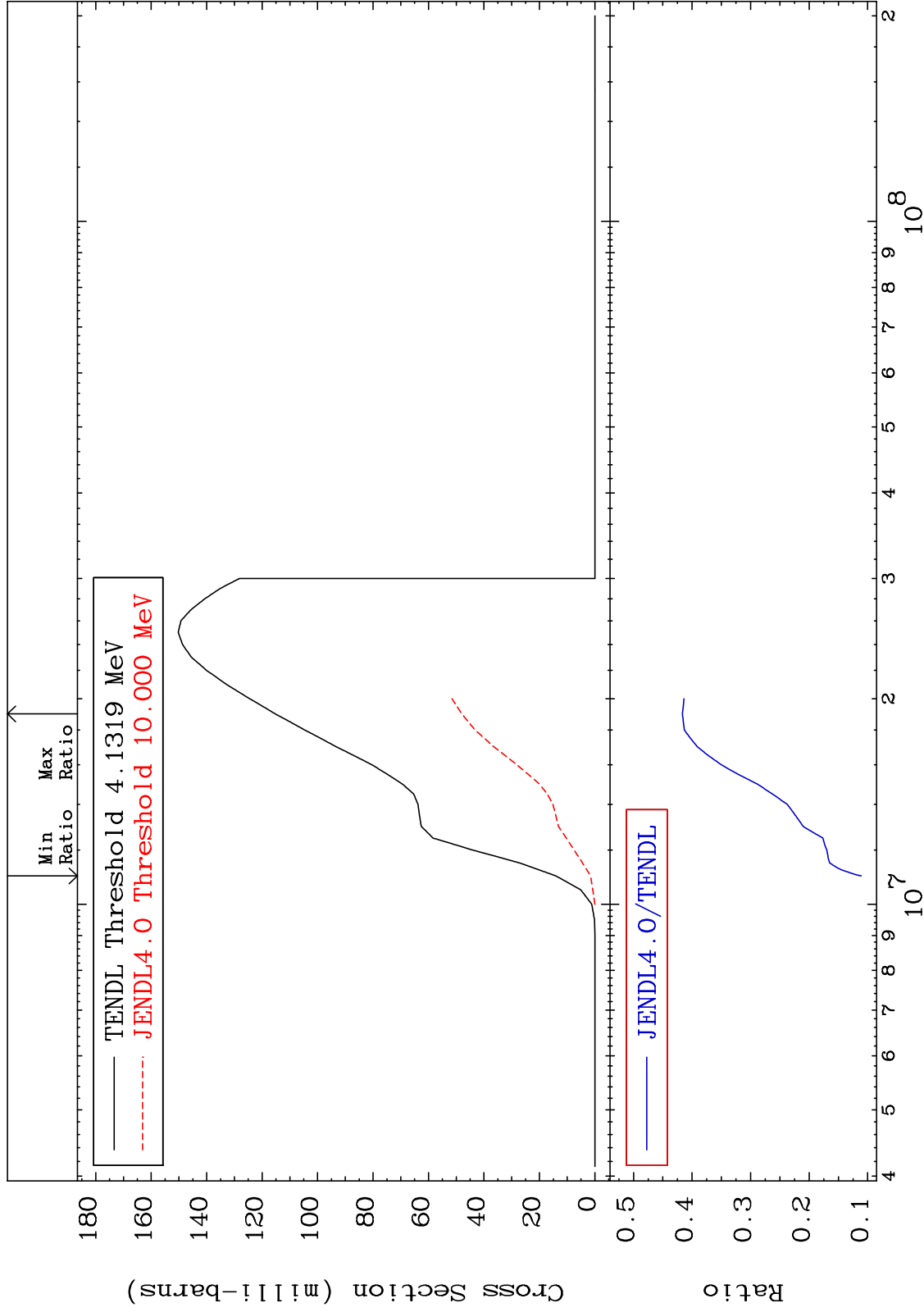
MAT 3425

(n,n')  $\alpha$

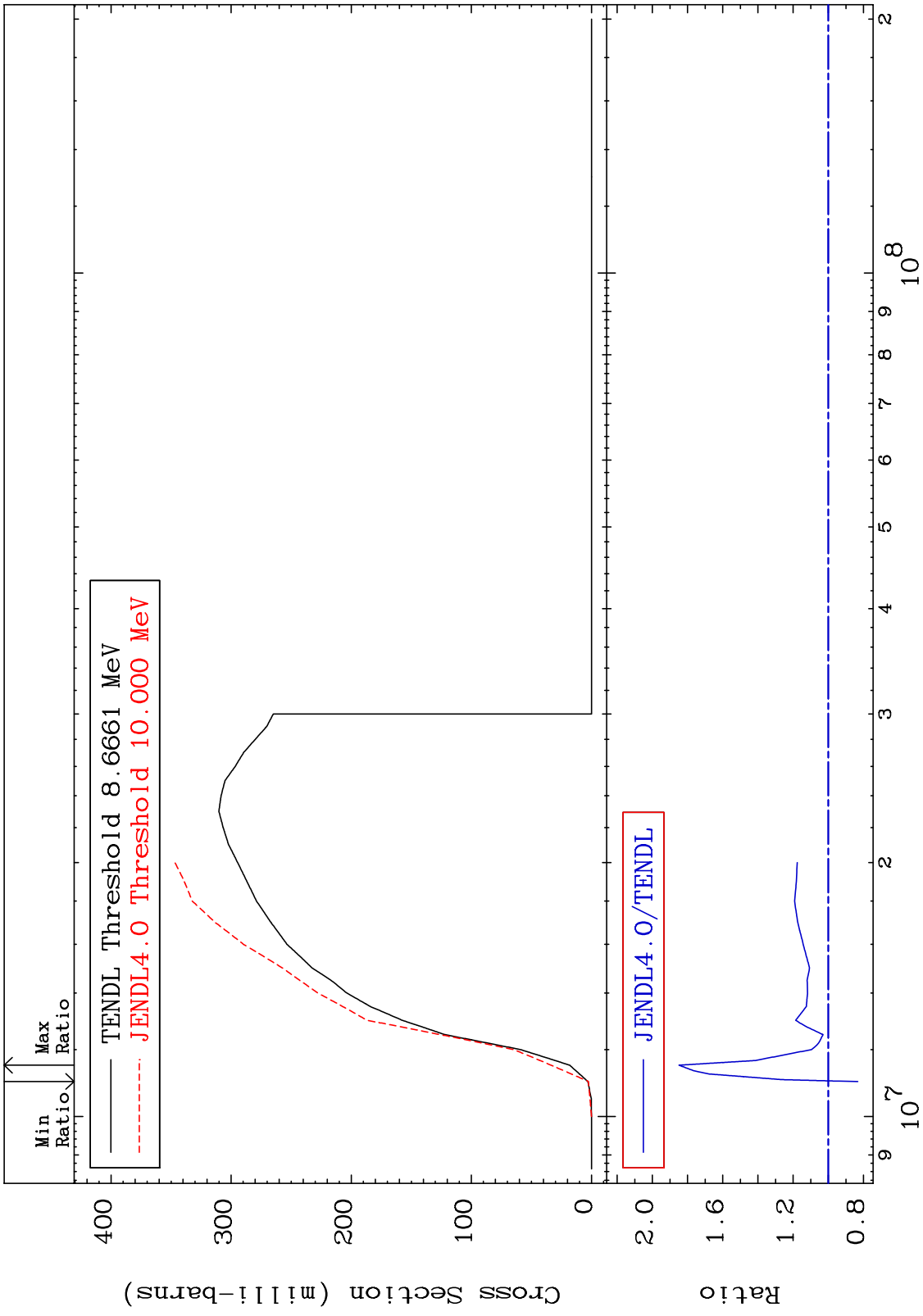
<sup>34</sup>Se-74

-88.91 To -58.36%

Cross Section

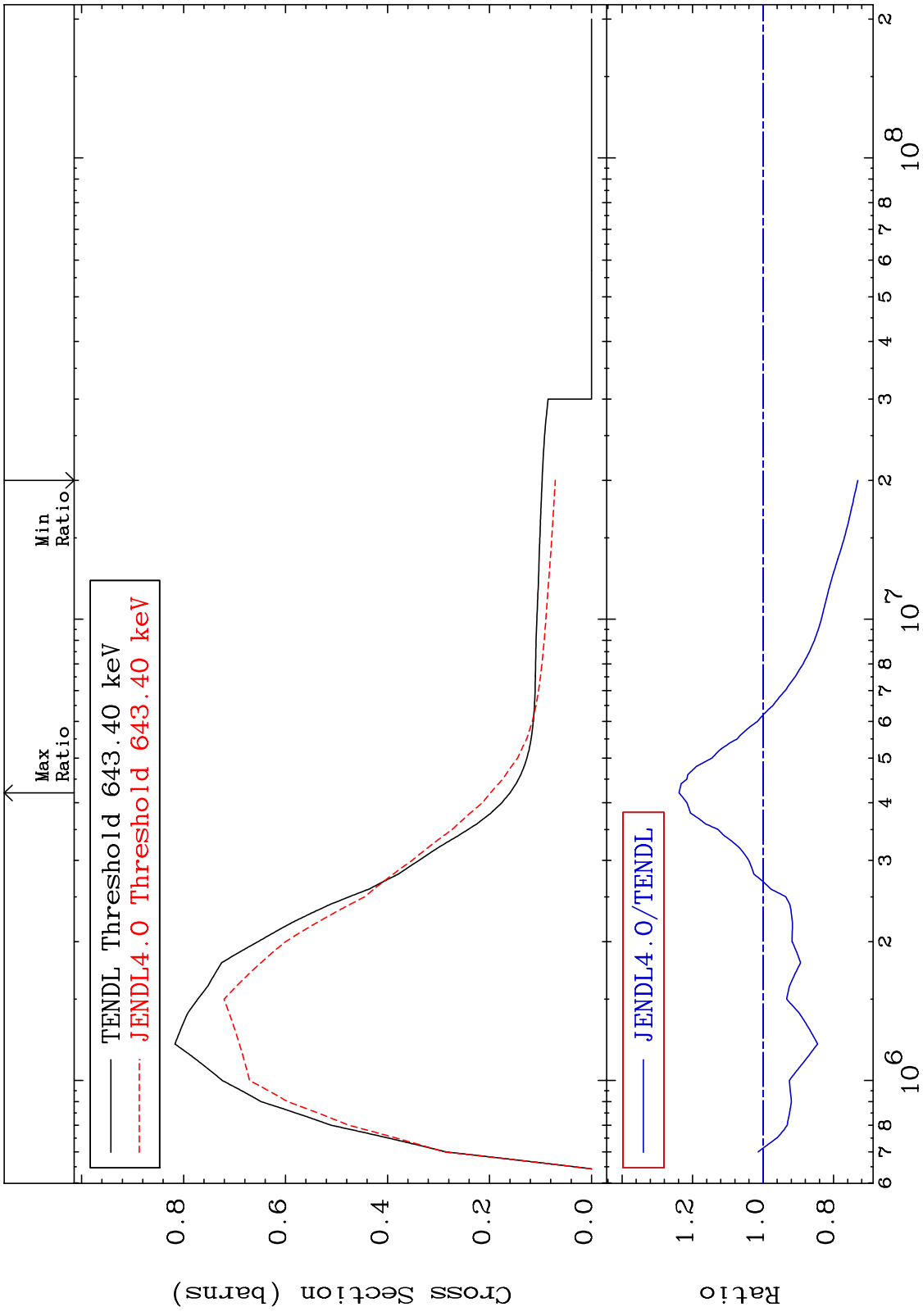


MAT 3425  $(n, n')$  p  $^{34}\text{Se-74}$   
 Cross Section  $-16.77$  To  $84.82$  %



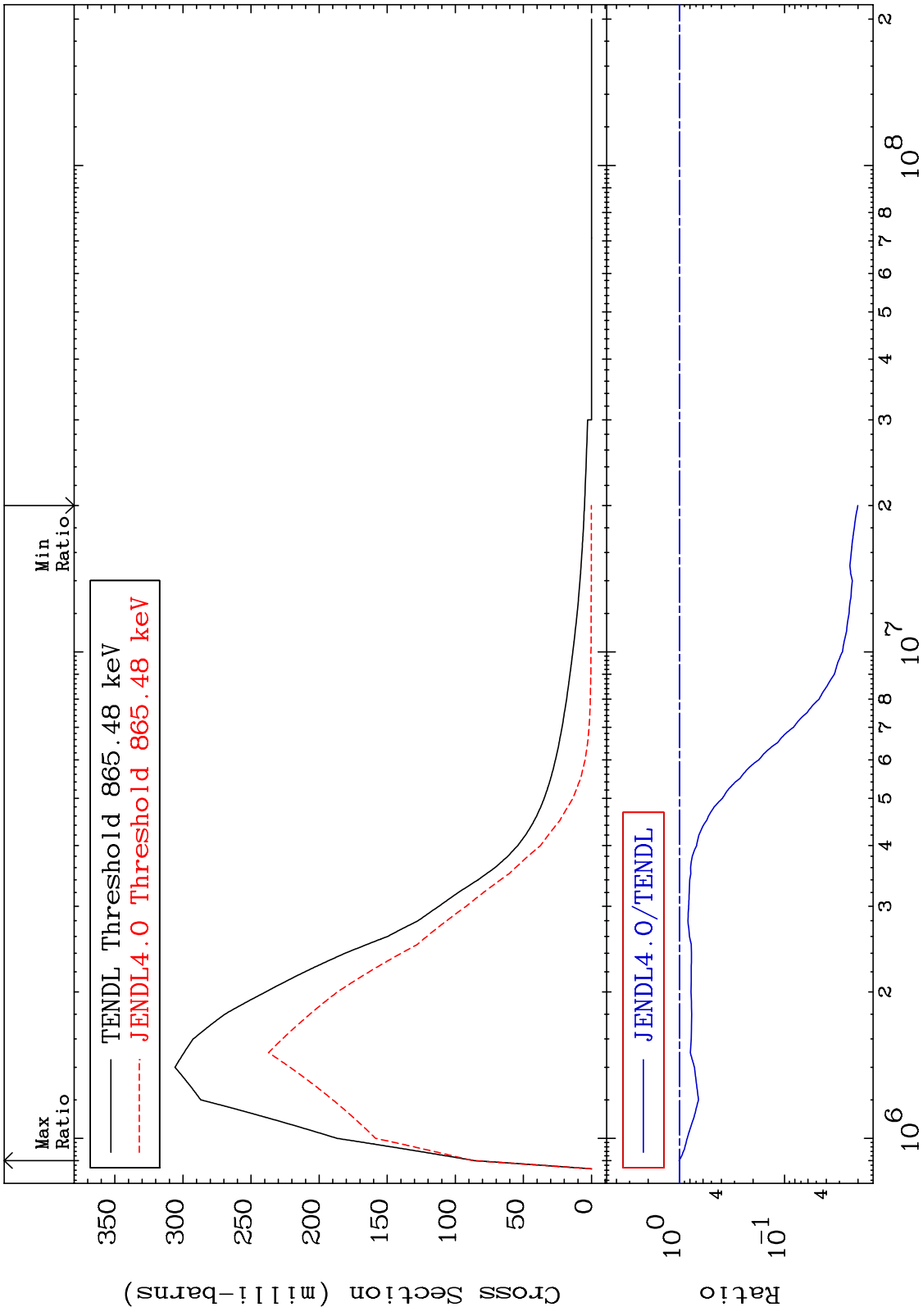
6  $^{34}\text{Se-74}$

MAT 3425 MT= 51 (n,n') Level Cross Section -26.87 To 23.85 % 34-Se-74



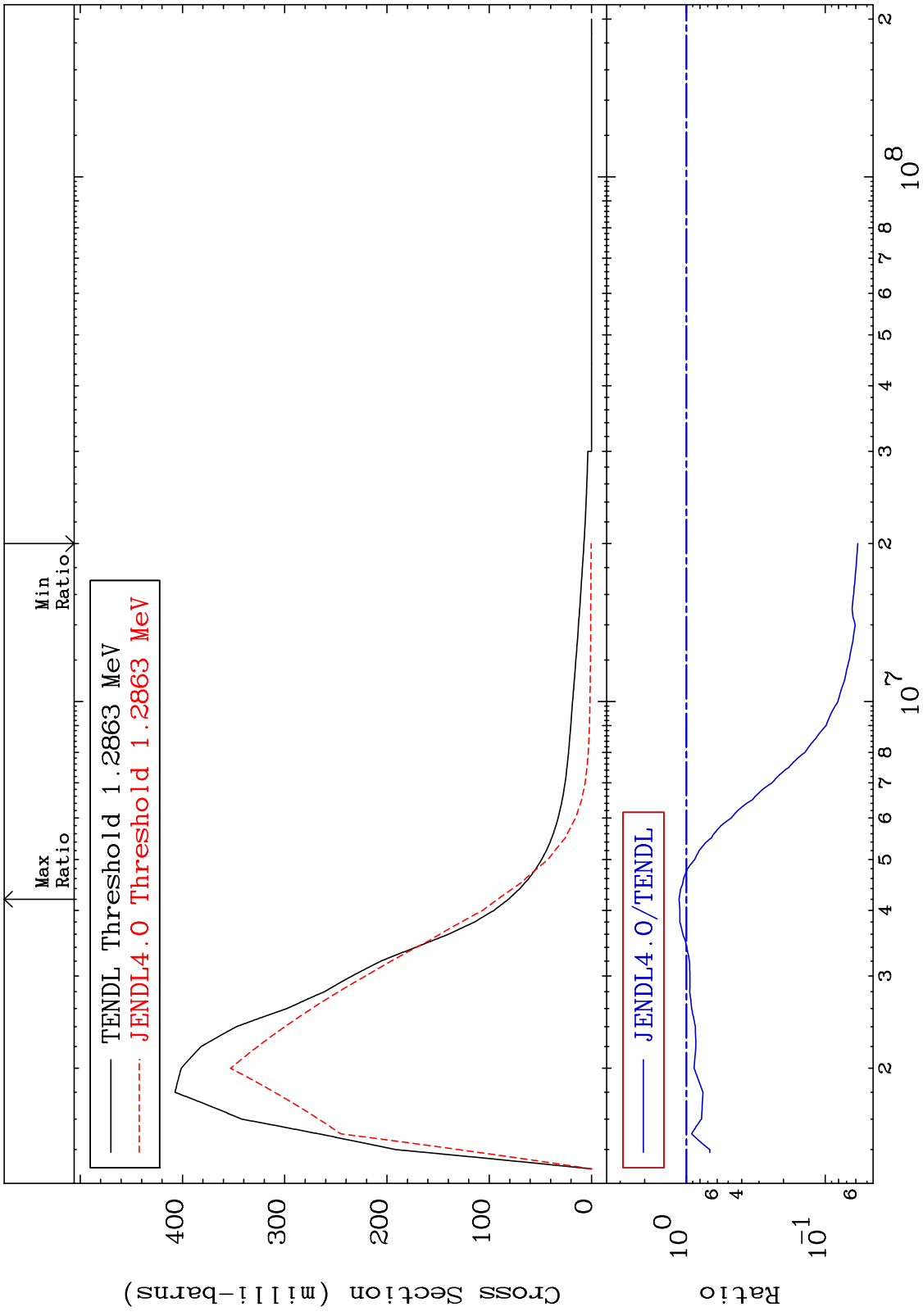
34-Se-74

MAT 3425 MT= 52 (n,n') Level Cross Section 34-Se-74 -98.00 To 1.430 %

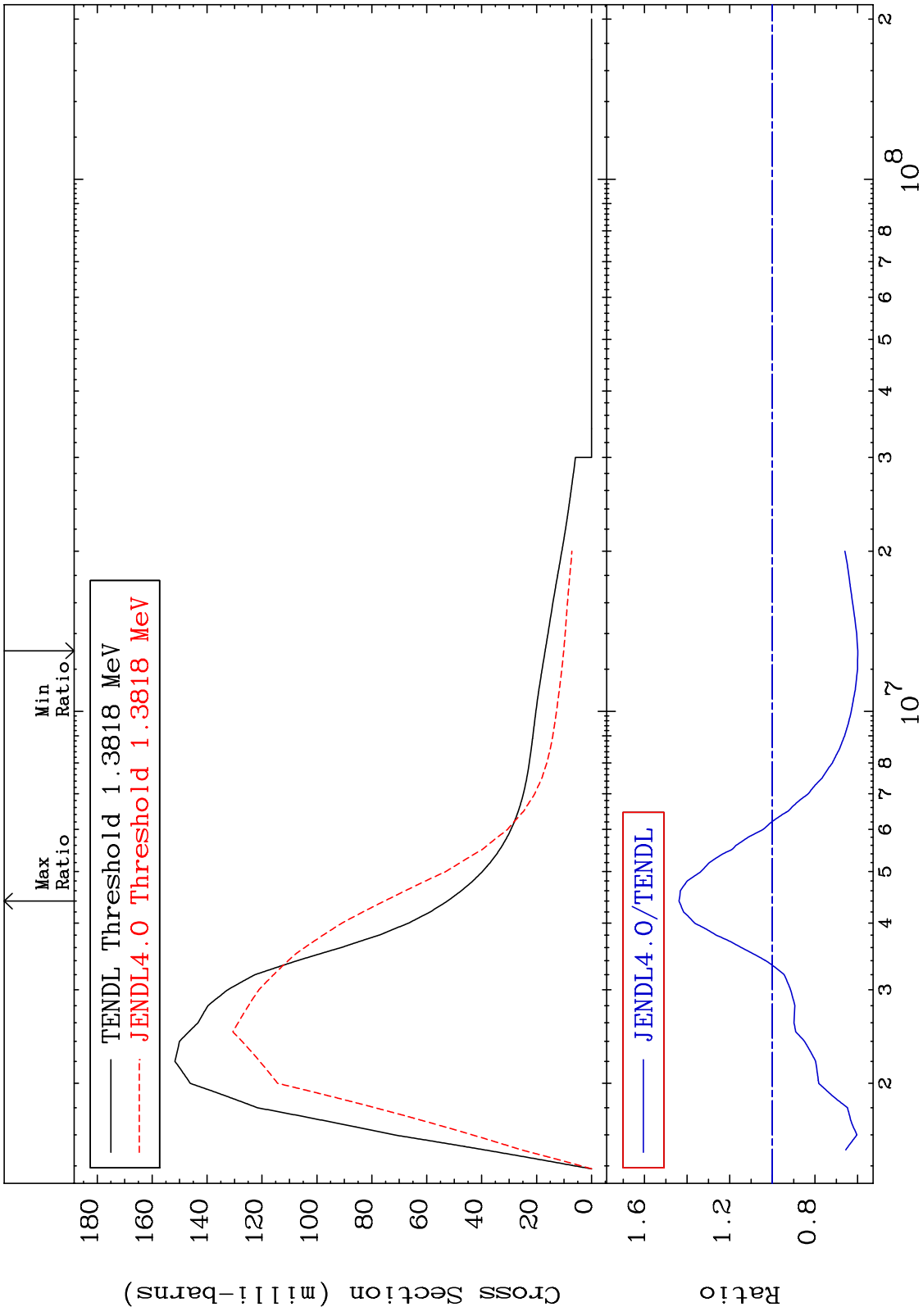


8 34-Se-74

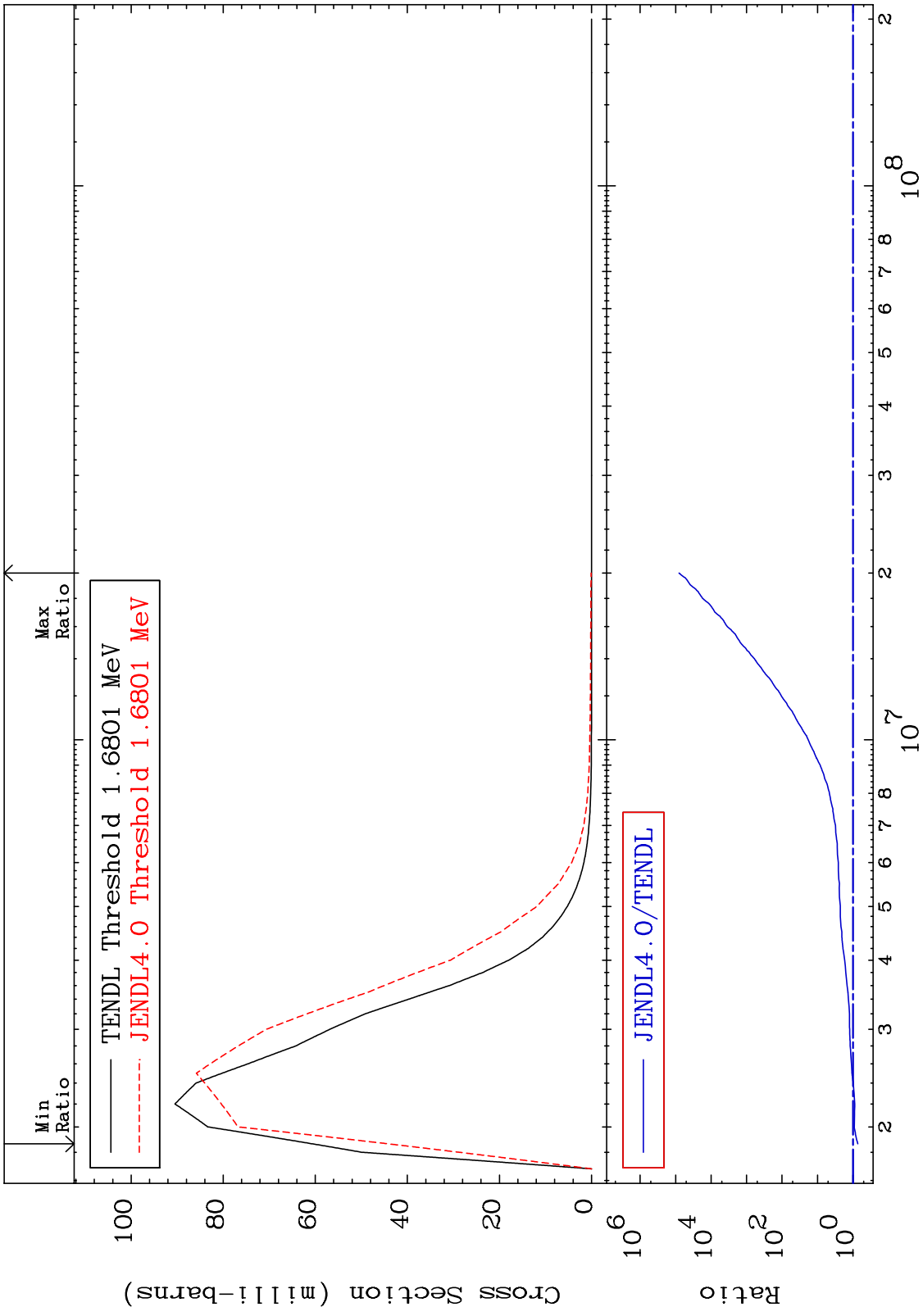
MAT 3425 MT= 53 (n,n') Level Cross Section -94.19 To 13.09 % 34-Se-74



MAT 3425 MT= 54 (n,n') Level Cross Section 34-Se-74 -40.13 To 43.80 %



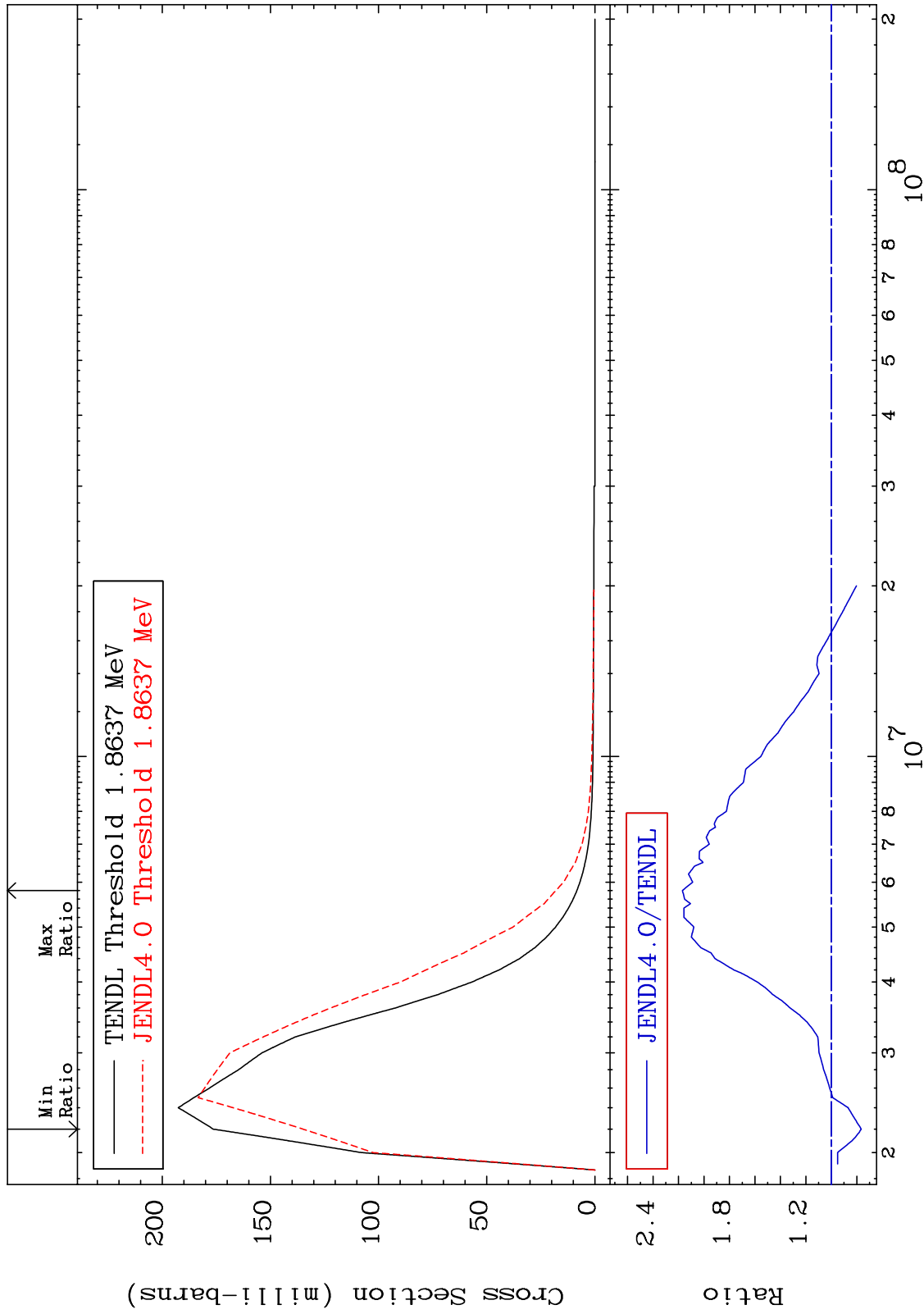
MAT 3425 MT= 55 (n,n') Level Cross Section 34-Se-74  
 -27.23 To 9999. %



MAT 3425

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

<sup>34</sup>Se-74  
-23.52 To 116.9 %

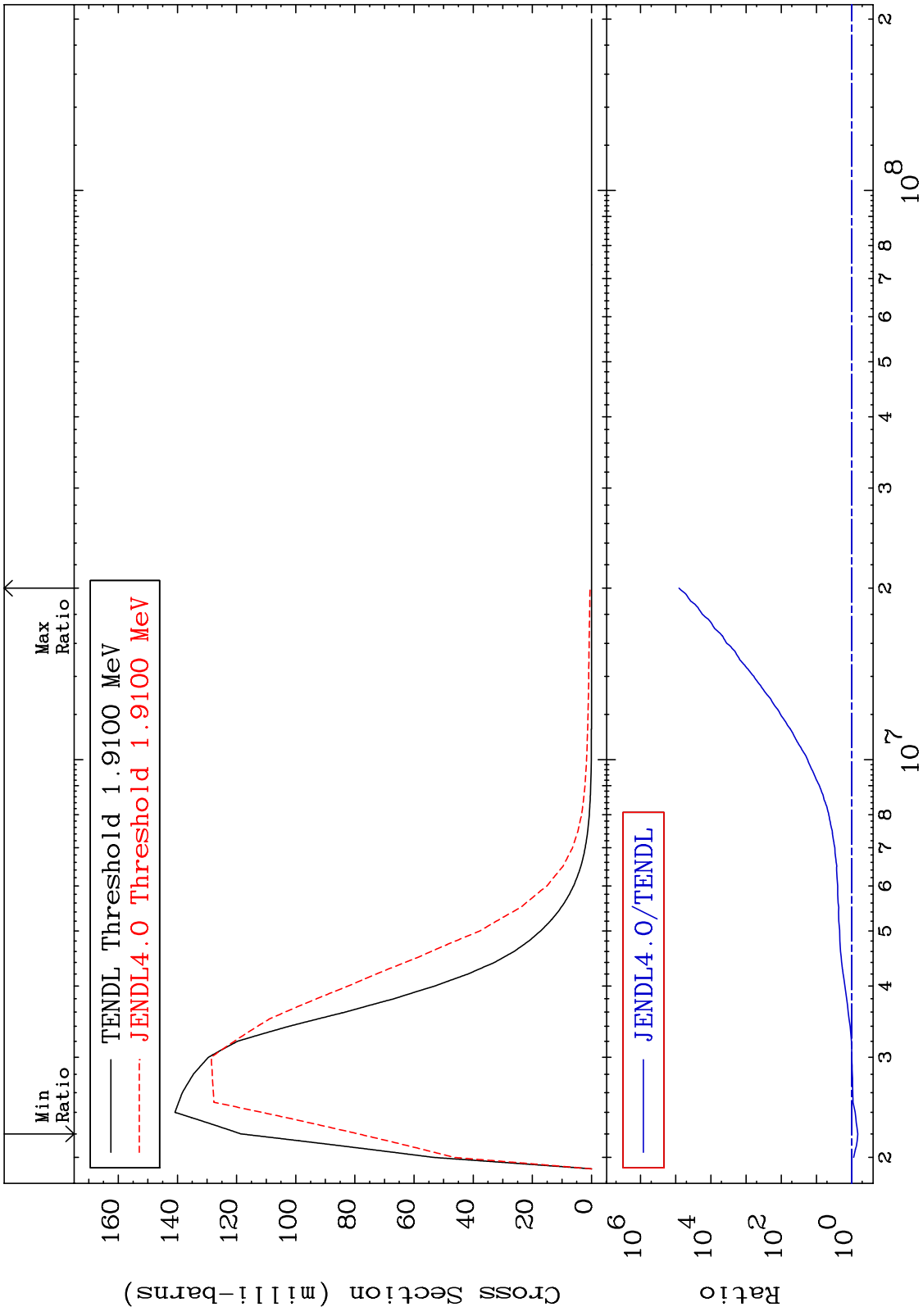


12

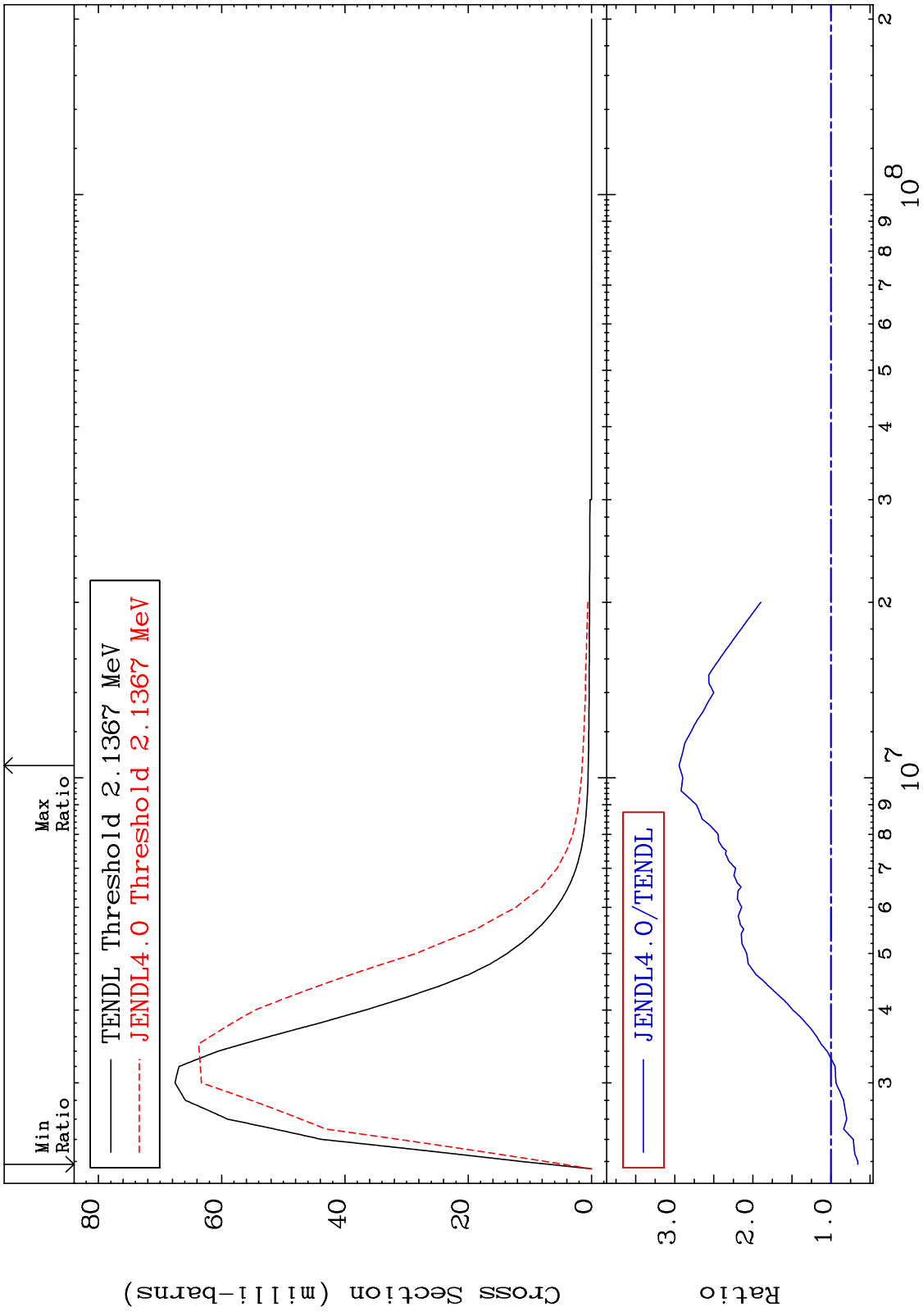
<sup>34</sup>Se-74

<sup>34</sup>Se-74

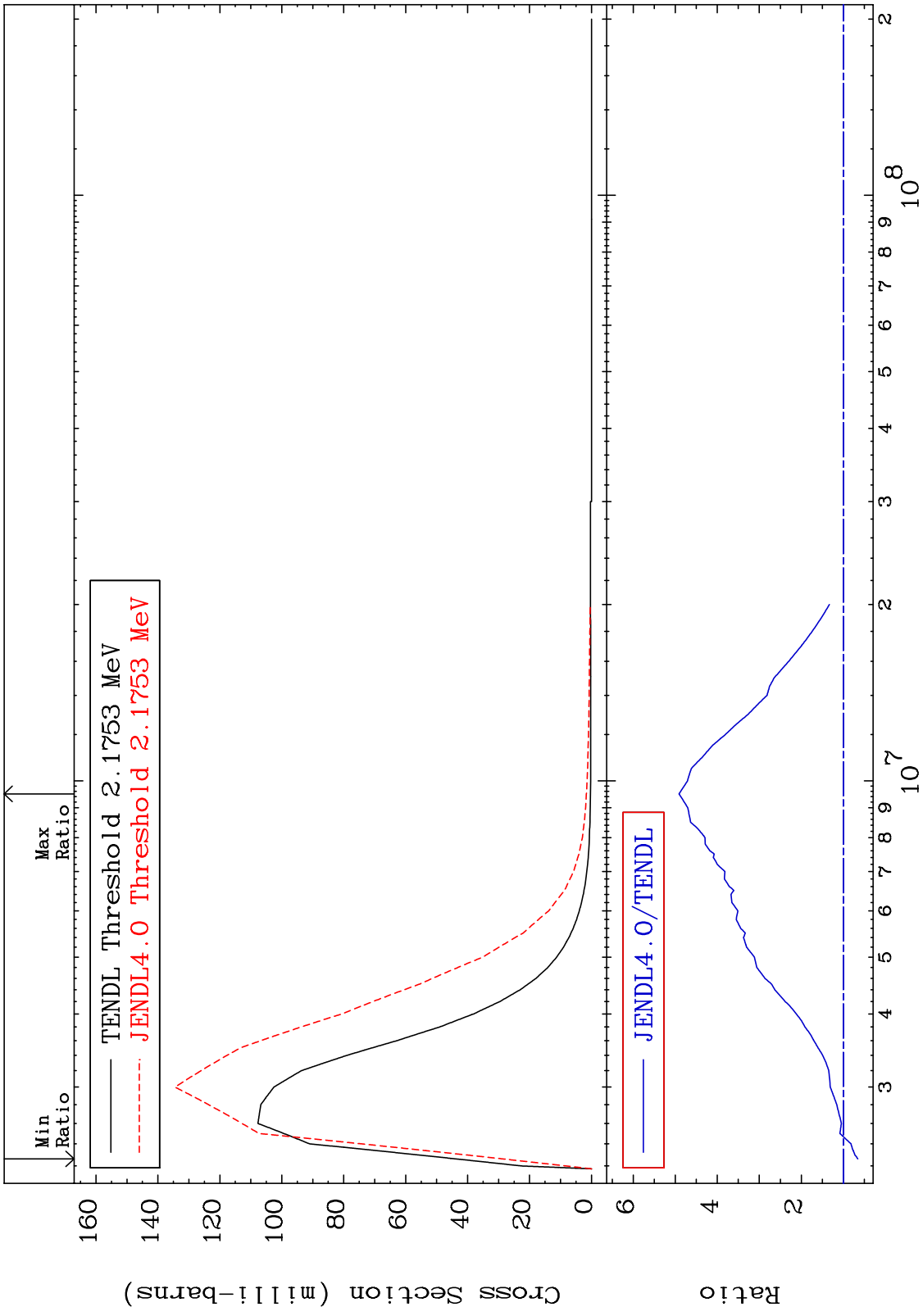
MAT 3425 MT= 57 (n,n') Level Cross Section -33.48 To 9999. % 34-Se-74



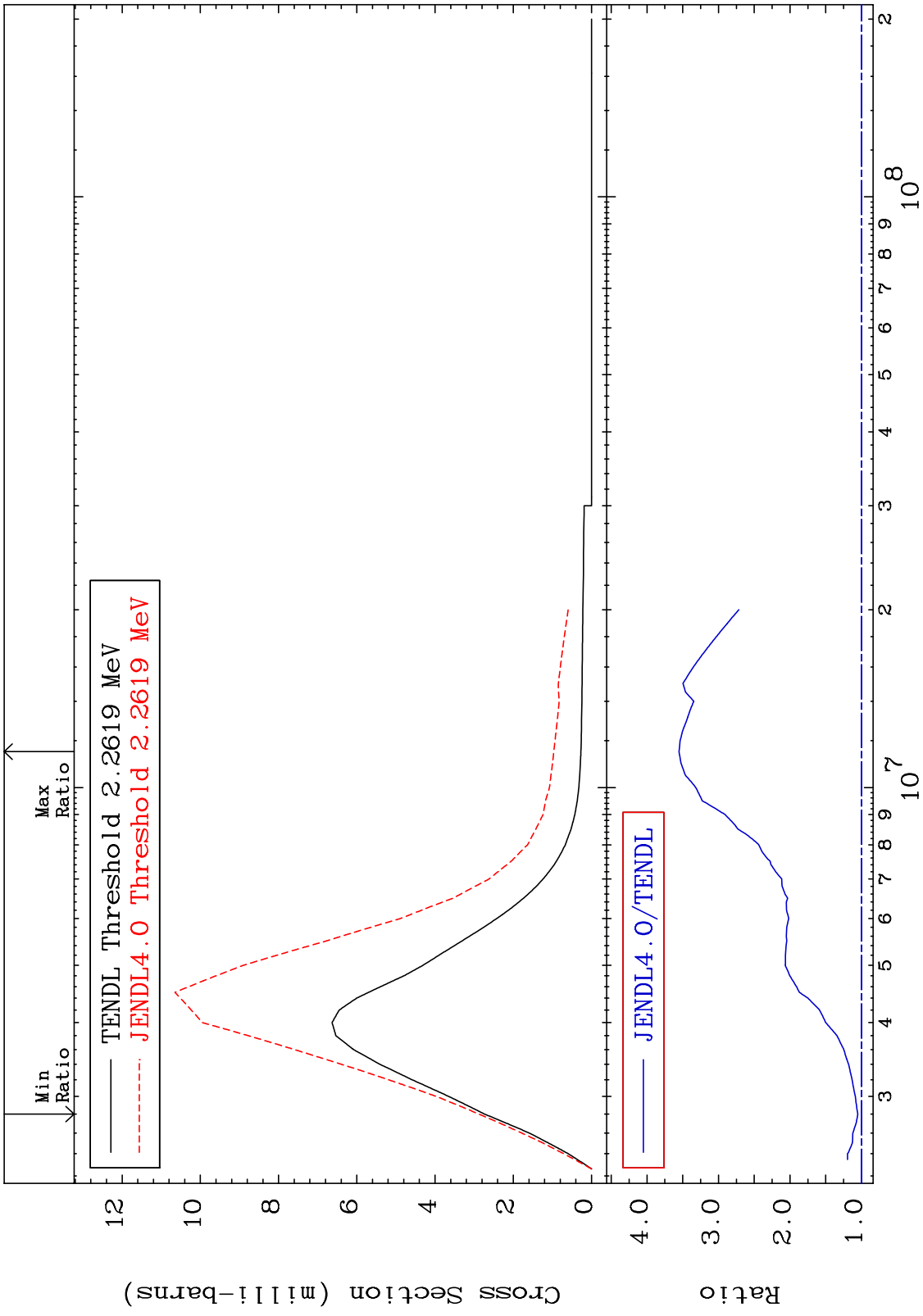
MAT 3425 MT= 58 (n,n') Level Cross Section 34-Se-74  
 -34.37 To 194.5 %



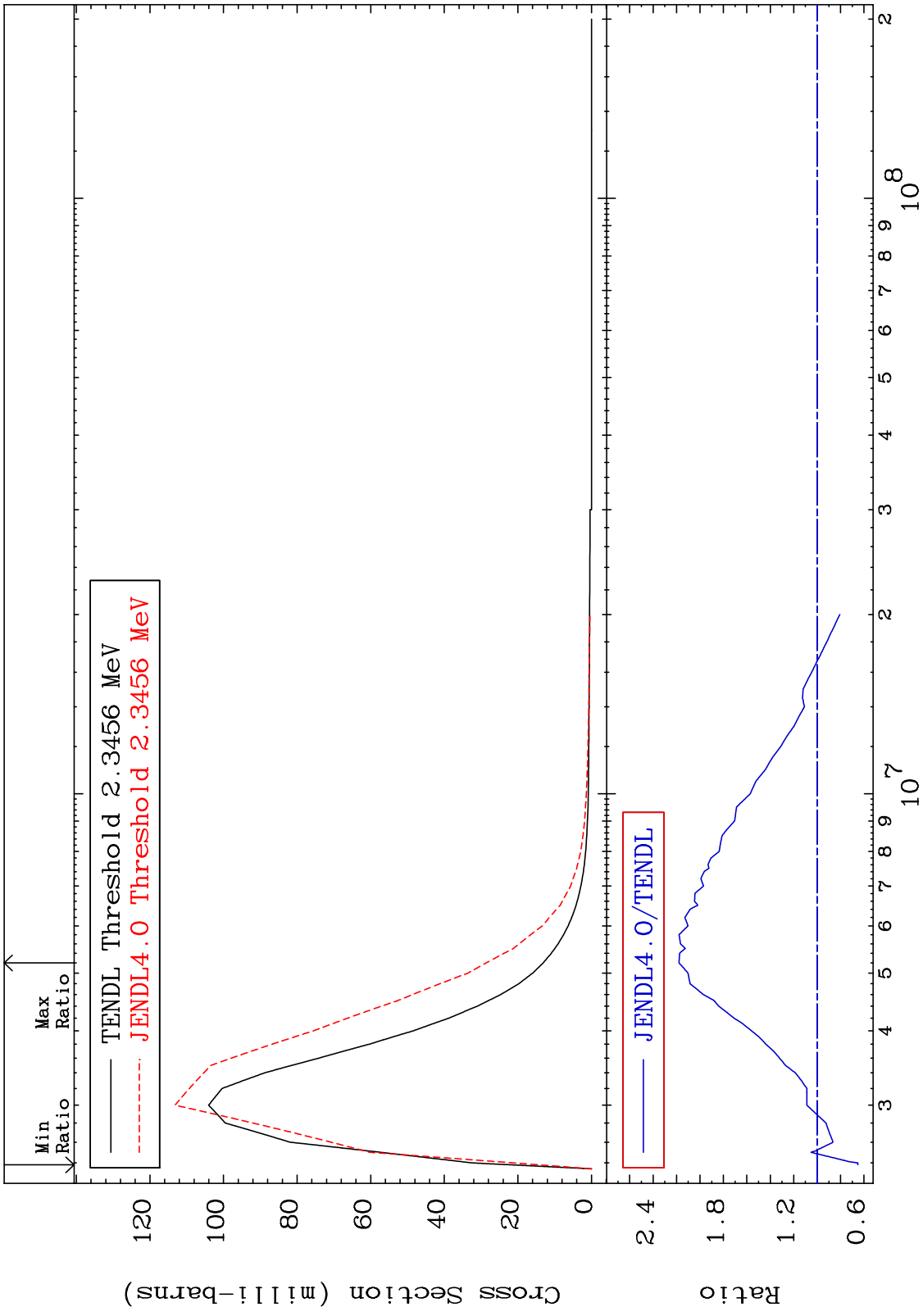
MAT 3425 MT= 59 (n,n') Level Cross Section 34-Se-74  
 -34.50 To 391.0 %



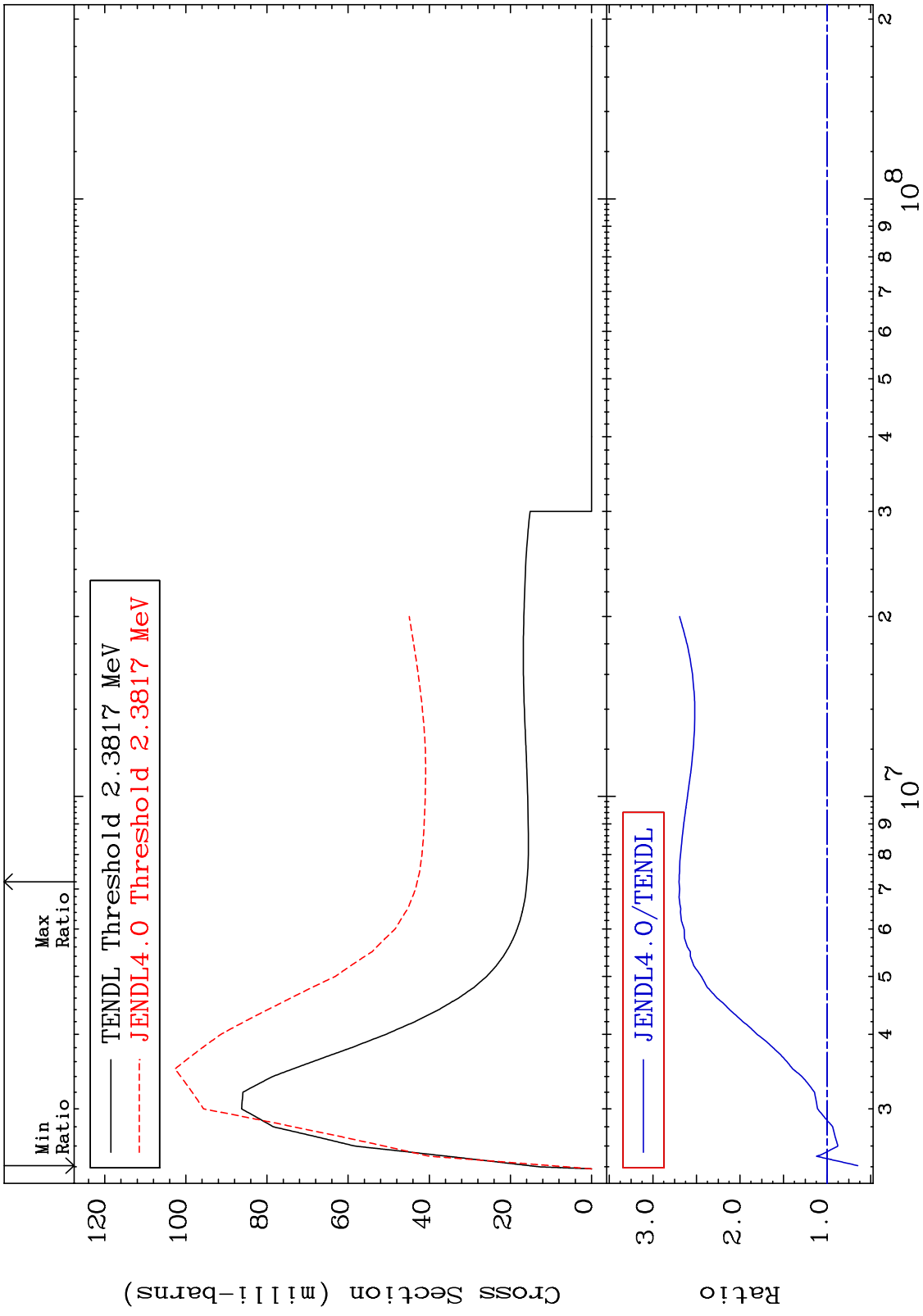
MAT 3425 MT= 60 (n,n') Level Cross Section 34-Se-74 5.144 To 255.1 %



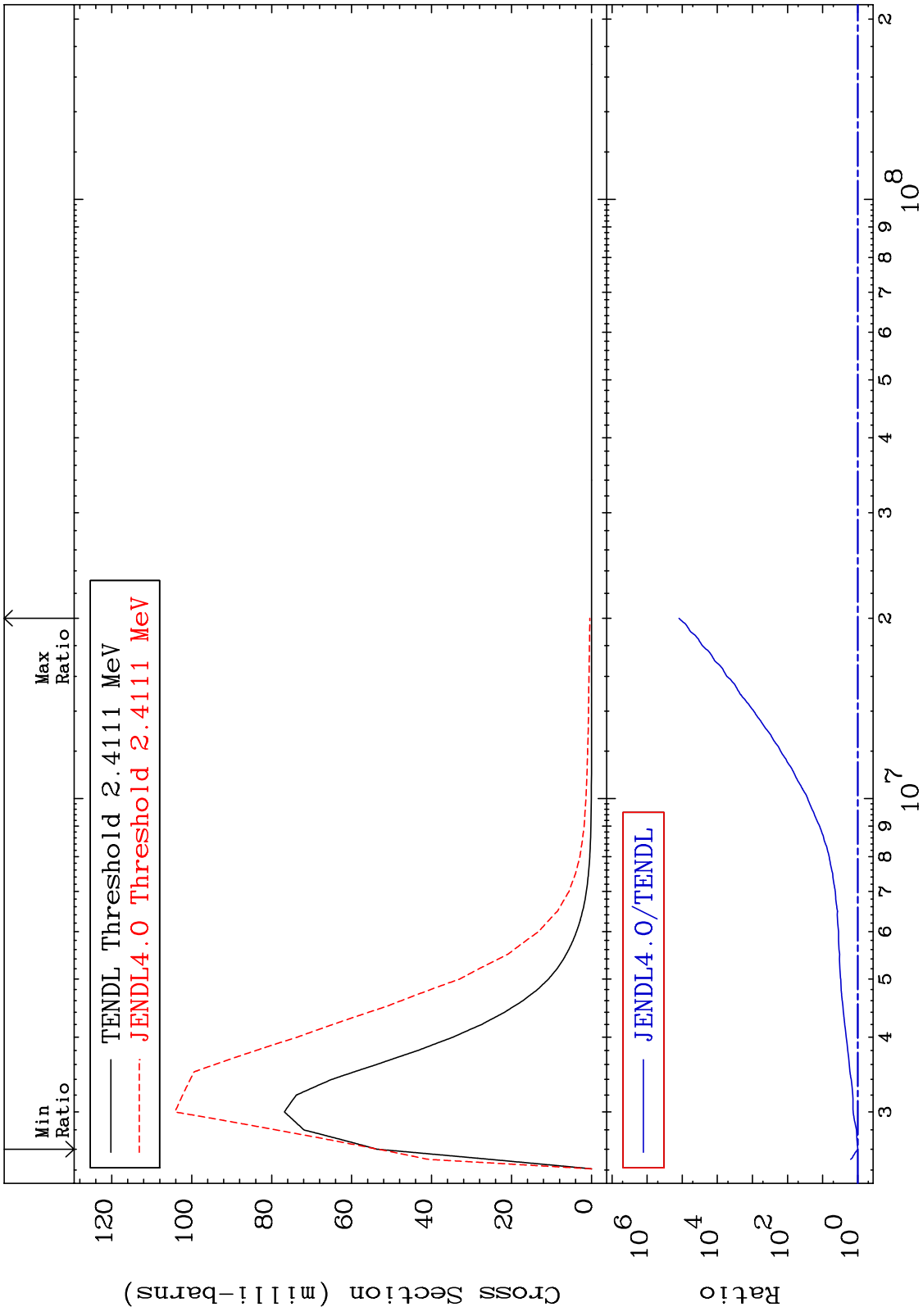
MAT 3425 MT= 61 (n,n') Level Cross Section 34-Se-74  
-34.73 To 117.9 %



MAT 3425 MT= 62 (n,n') Level Cross Section 34-Se-74 -35.25 To 170.0 %



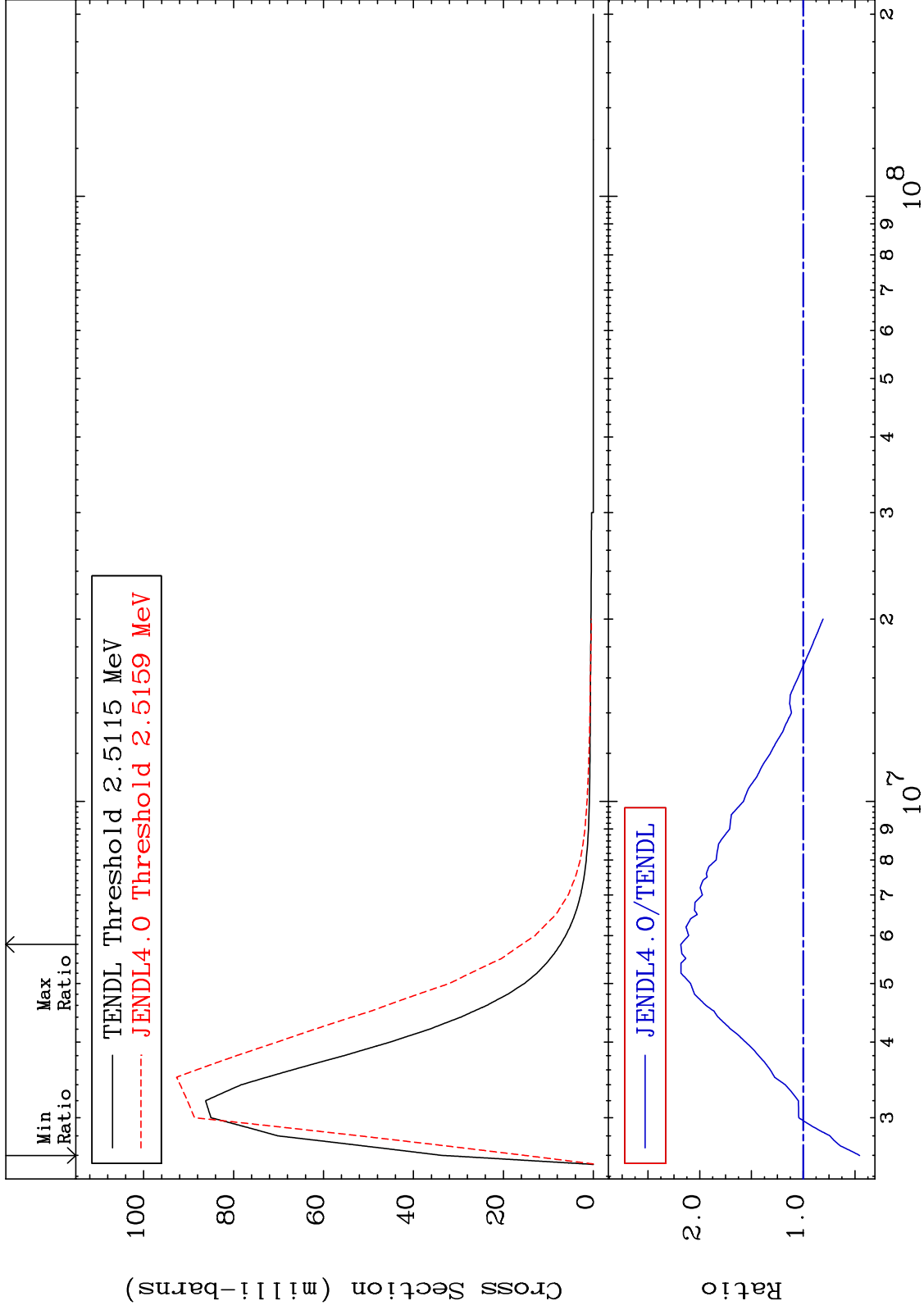
MAT 3425 MT= 63 (n,n') Level Cross Section -0.470 To 9999. % 34-Se-74



MAT 3425

MT= 64 (n,n') Level  
Cross Section

34-Se-74  
-54.56 To 118.3 %

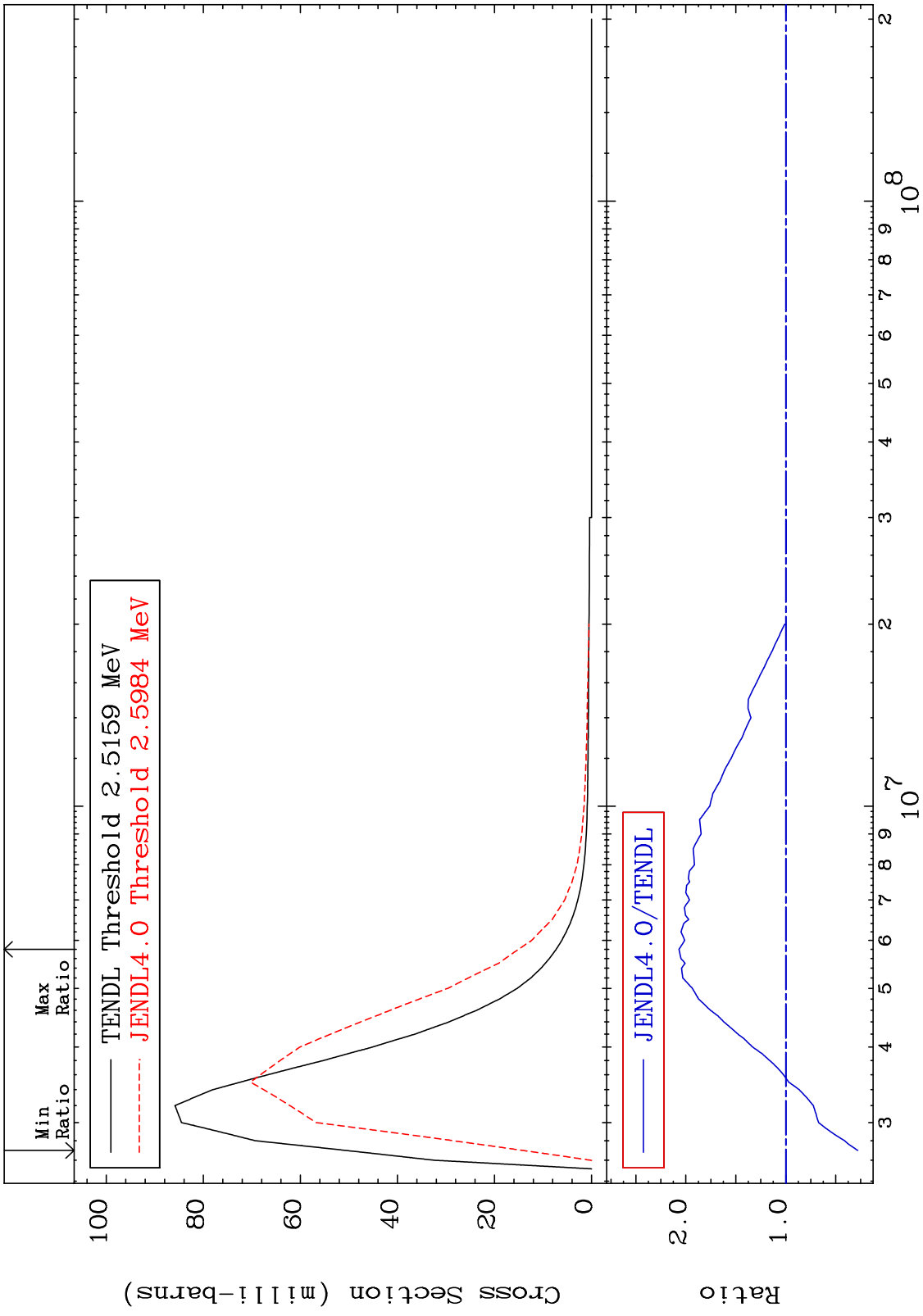


20

Incident Energy (eV)

34-Se-74

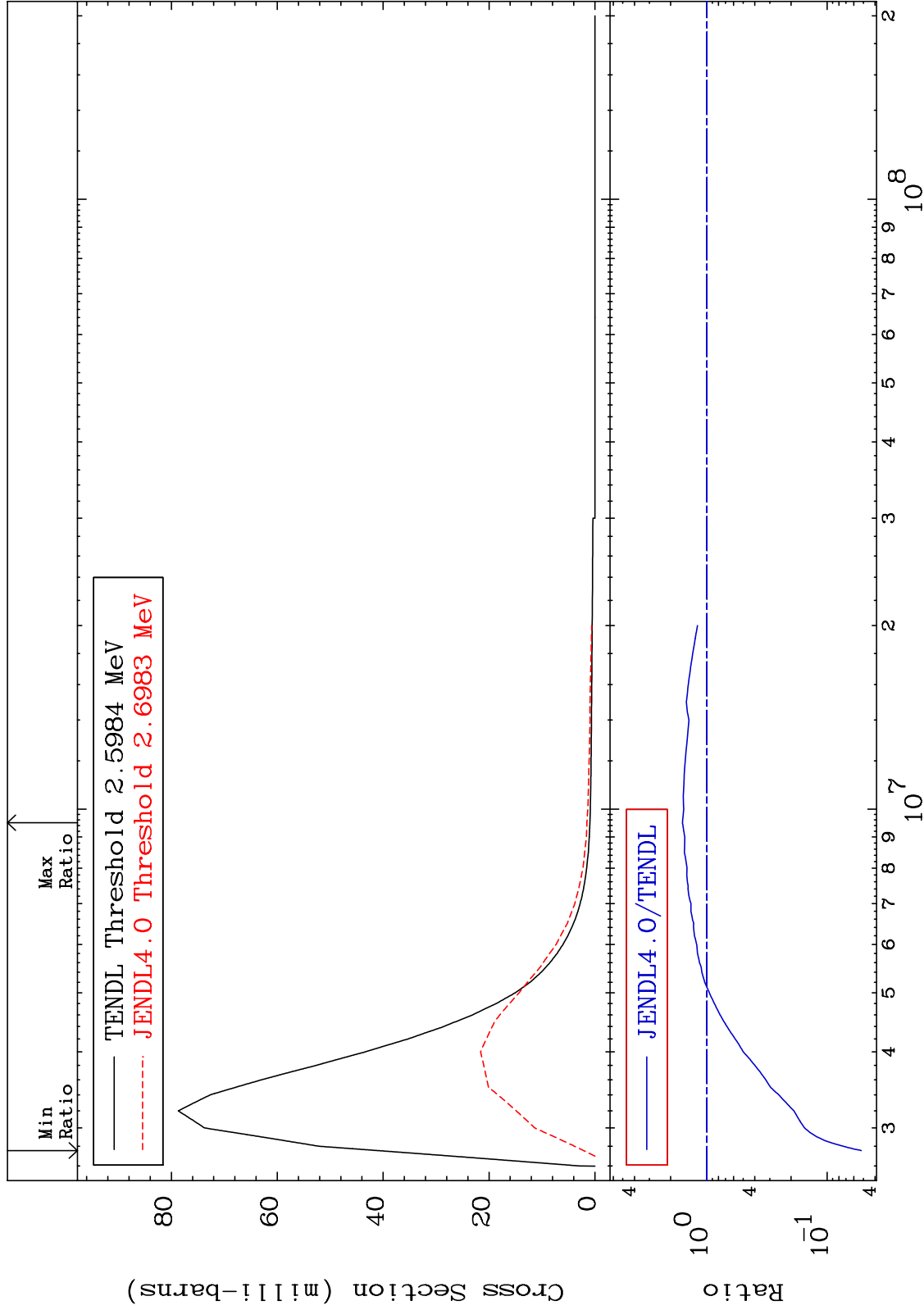
MAT 3425 MT= 65 (n,n') Level Cross Section 34-Se-74  
 -72.12 To 106.8 %



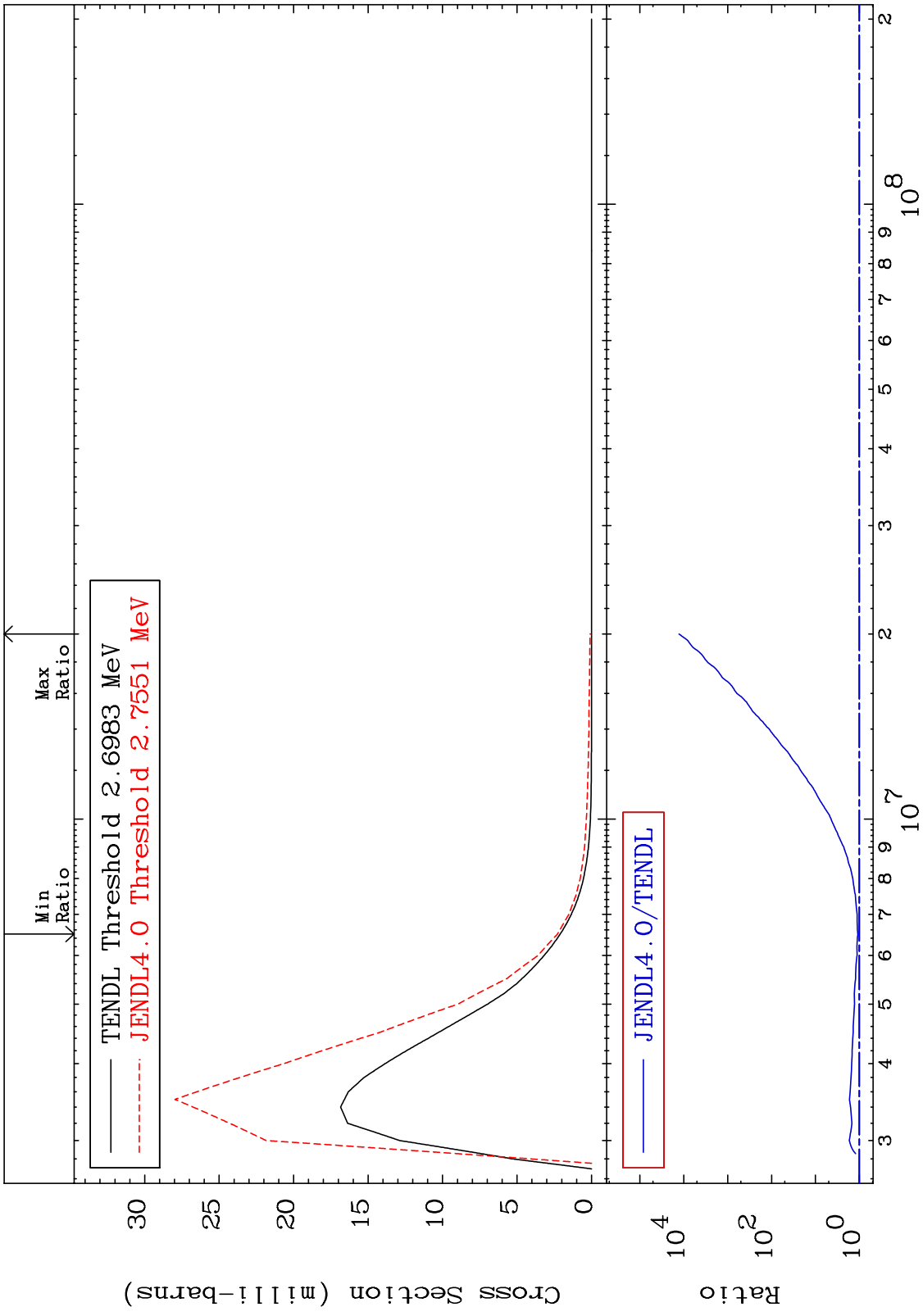
MAT 3425

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

34-Se-74  
-94.79 To 59.51 %

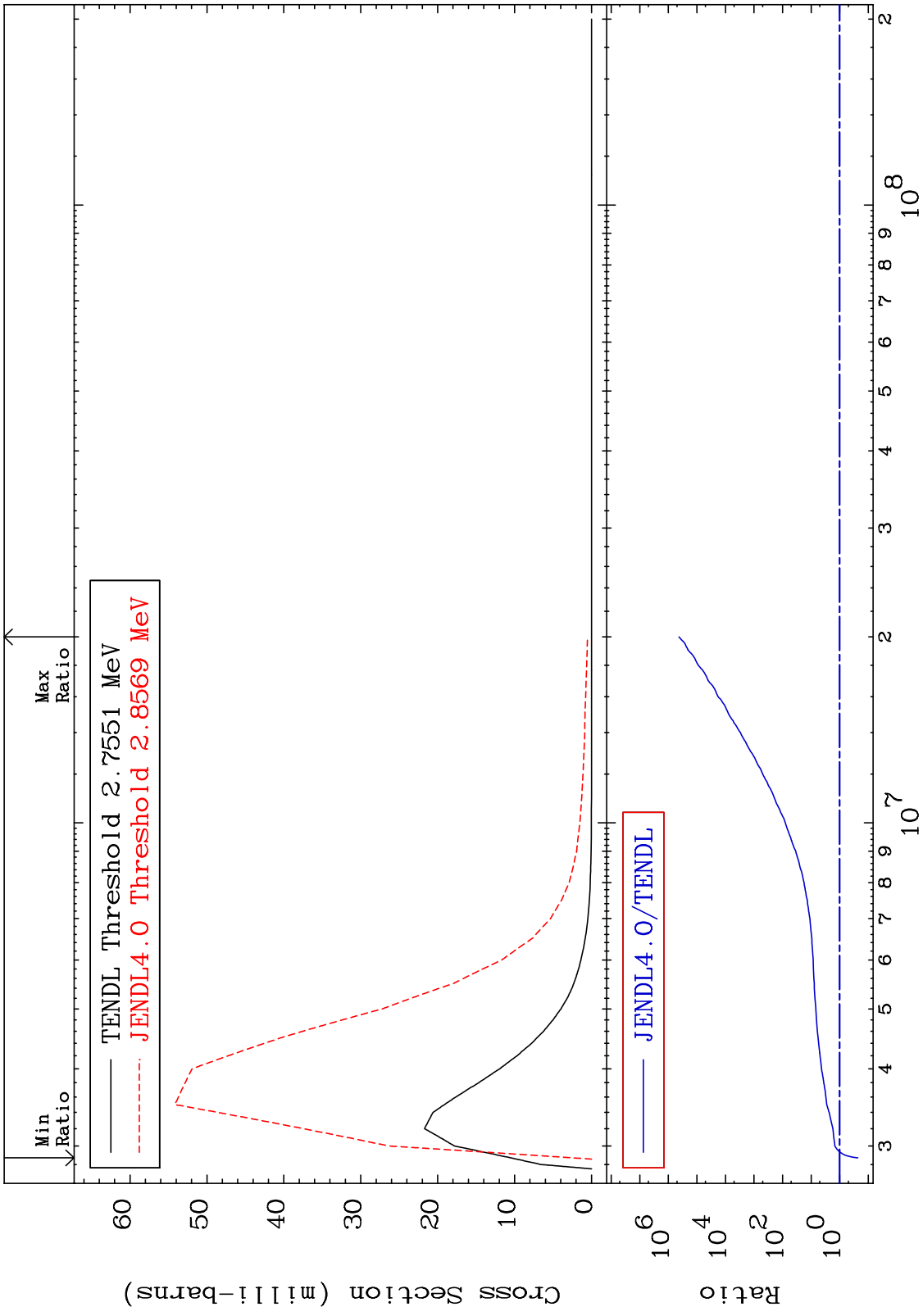


MAT 3425 MT= 67 (n,n') Level Cross Section 34-Se-74 8.372 To 9999. %



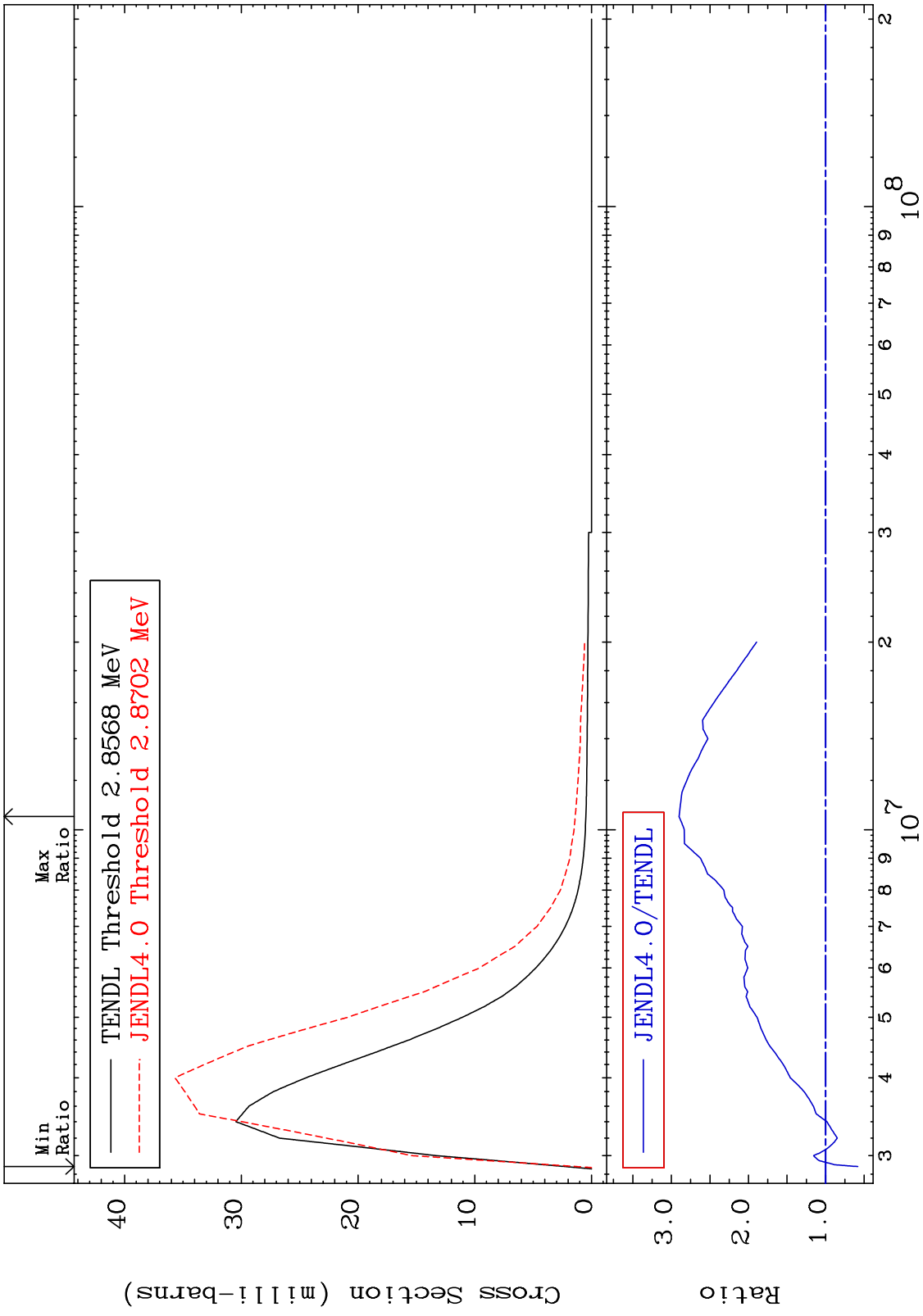
Incident Energy (eV) 34-Se-74

MAT 3425 MT= 68 (n,n') Level Cross Section -76.80 To 9999. % 34-Se-74

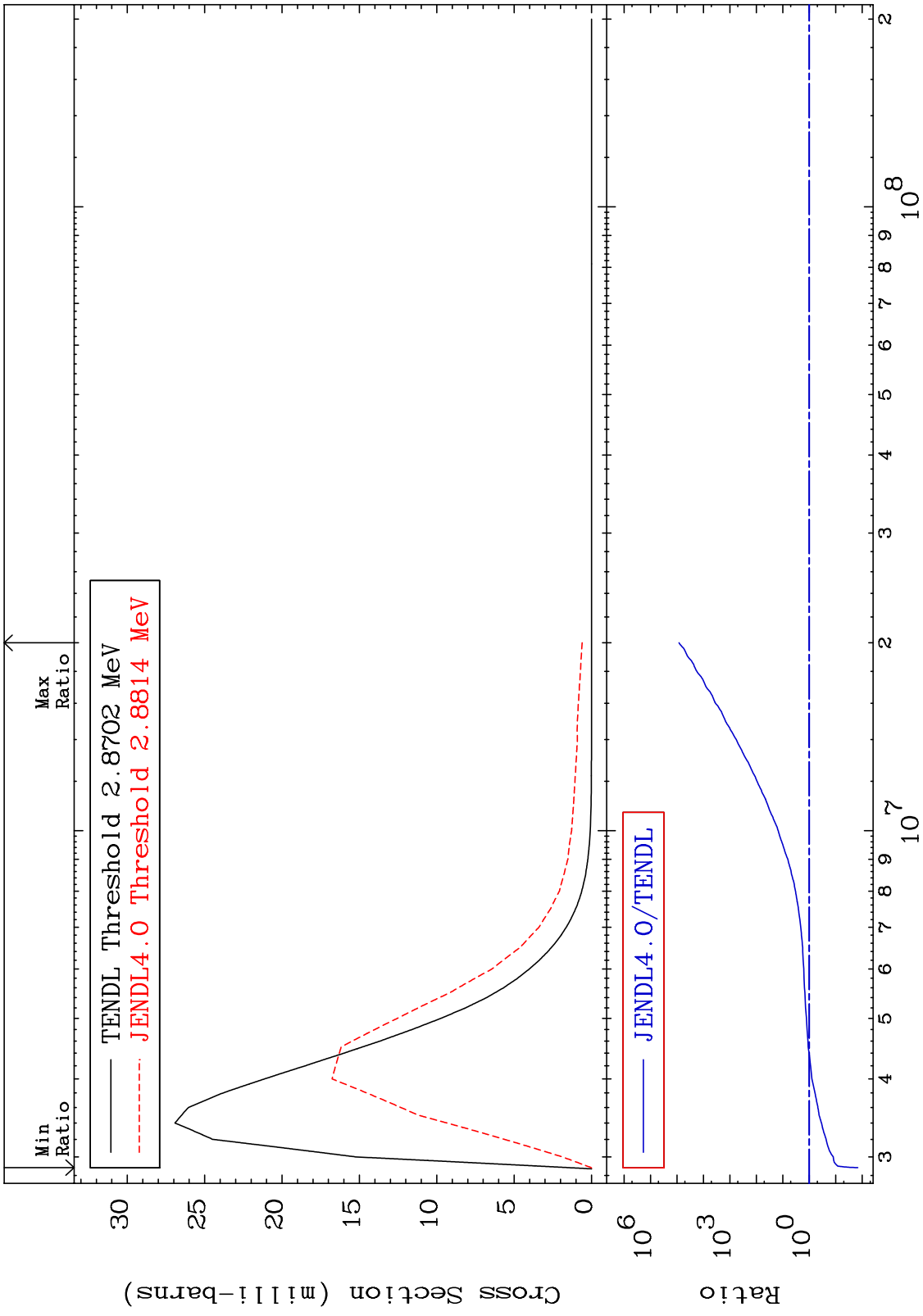


24 34-Se-74

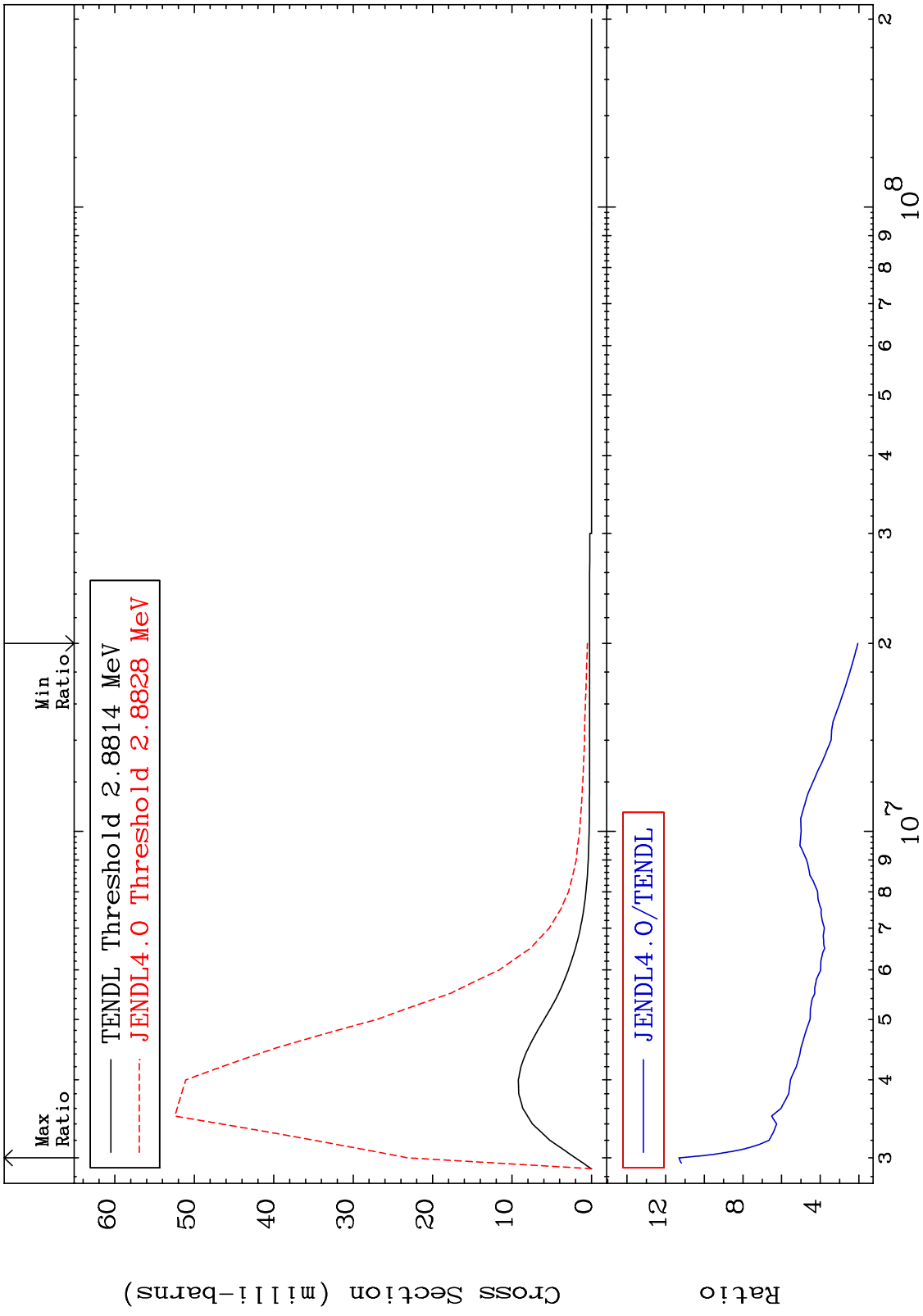
MAT 3425 MT= 69 (n,n') Level Cross Section -41.72 To 190.0 % 34-Se-74



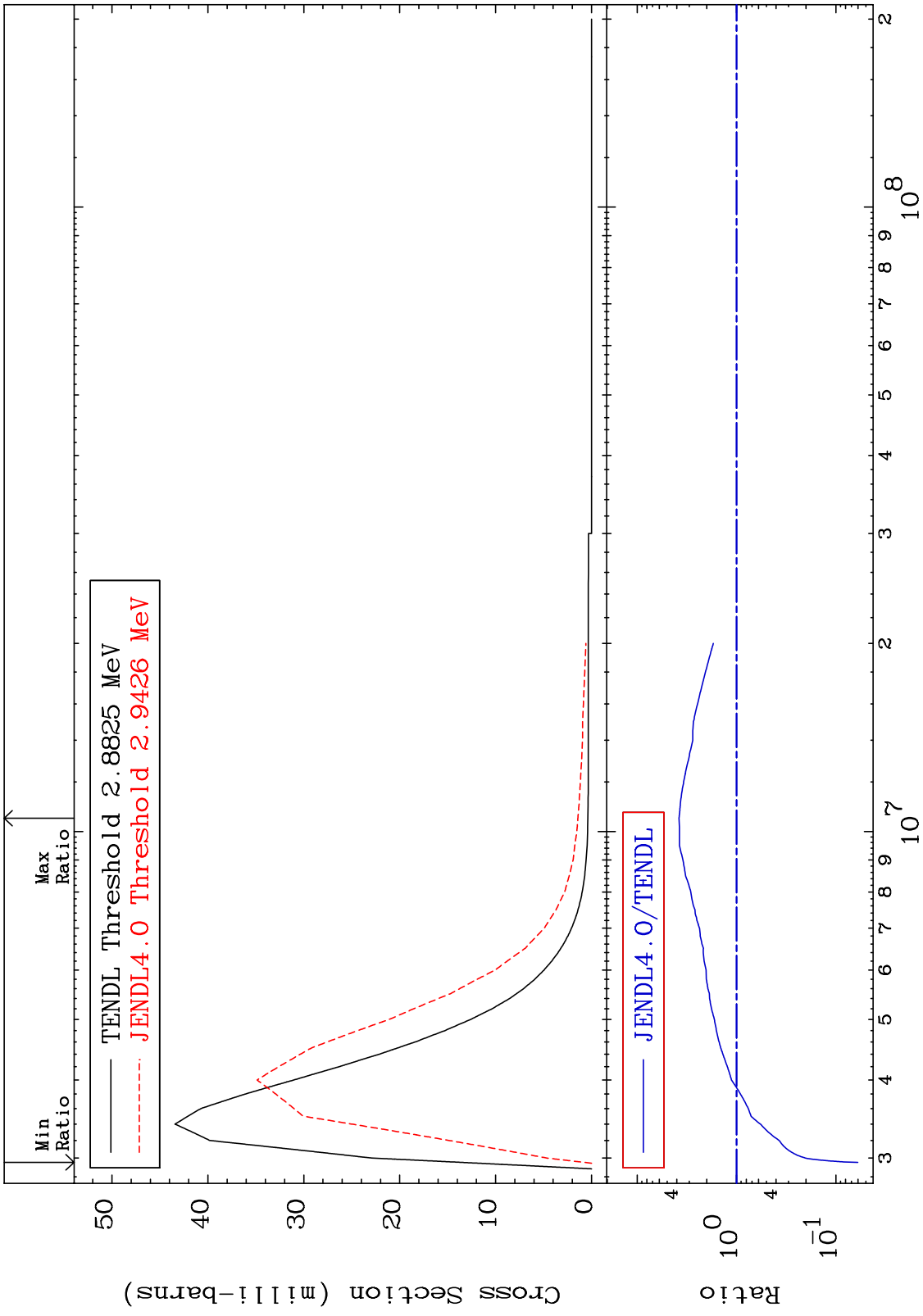
MAT 3425 MT= 70 (n,n') Level Cross Section 34-Se-74  
 -98.54 To 9999. %

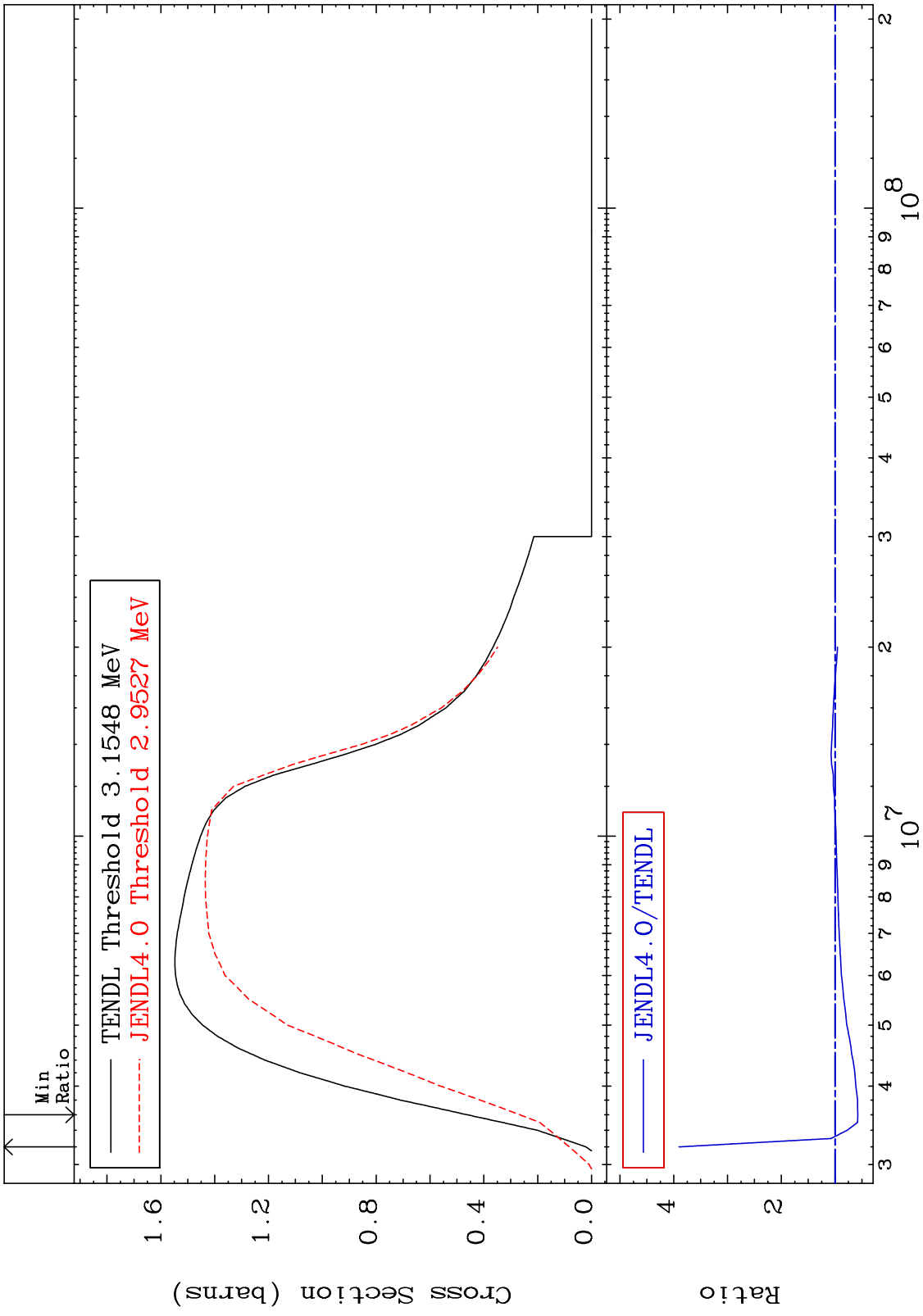


MAT 3425 MT= 71 (n,n') Level Cross Section 34-Se-74 To 1031. %



MAT 3425 MT= 72 (n,n') Level Cross Section 34-Se-74  
 -93.97 To 279.2 %

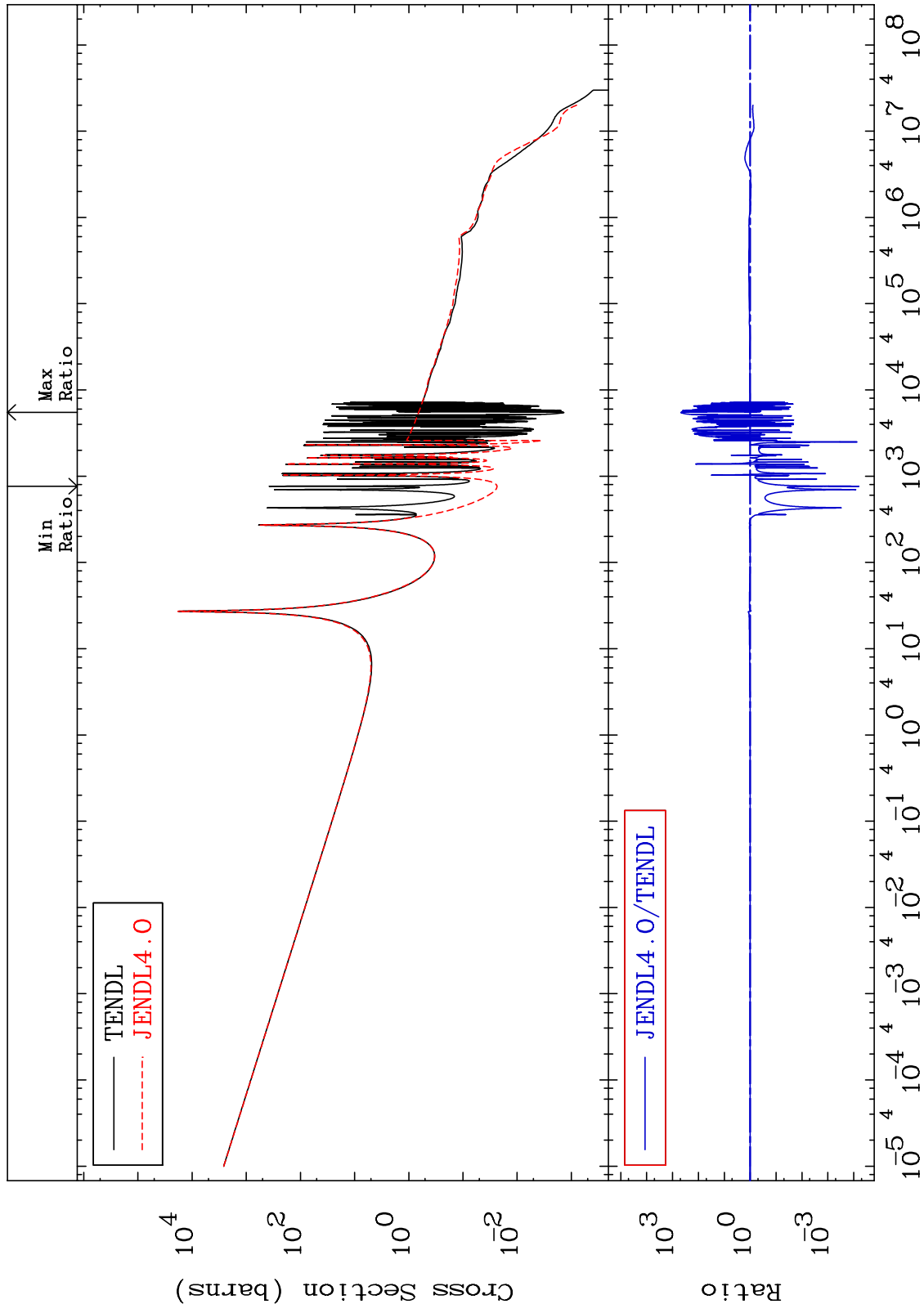




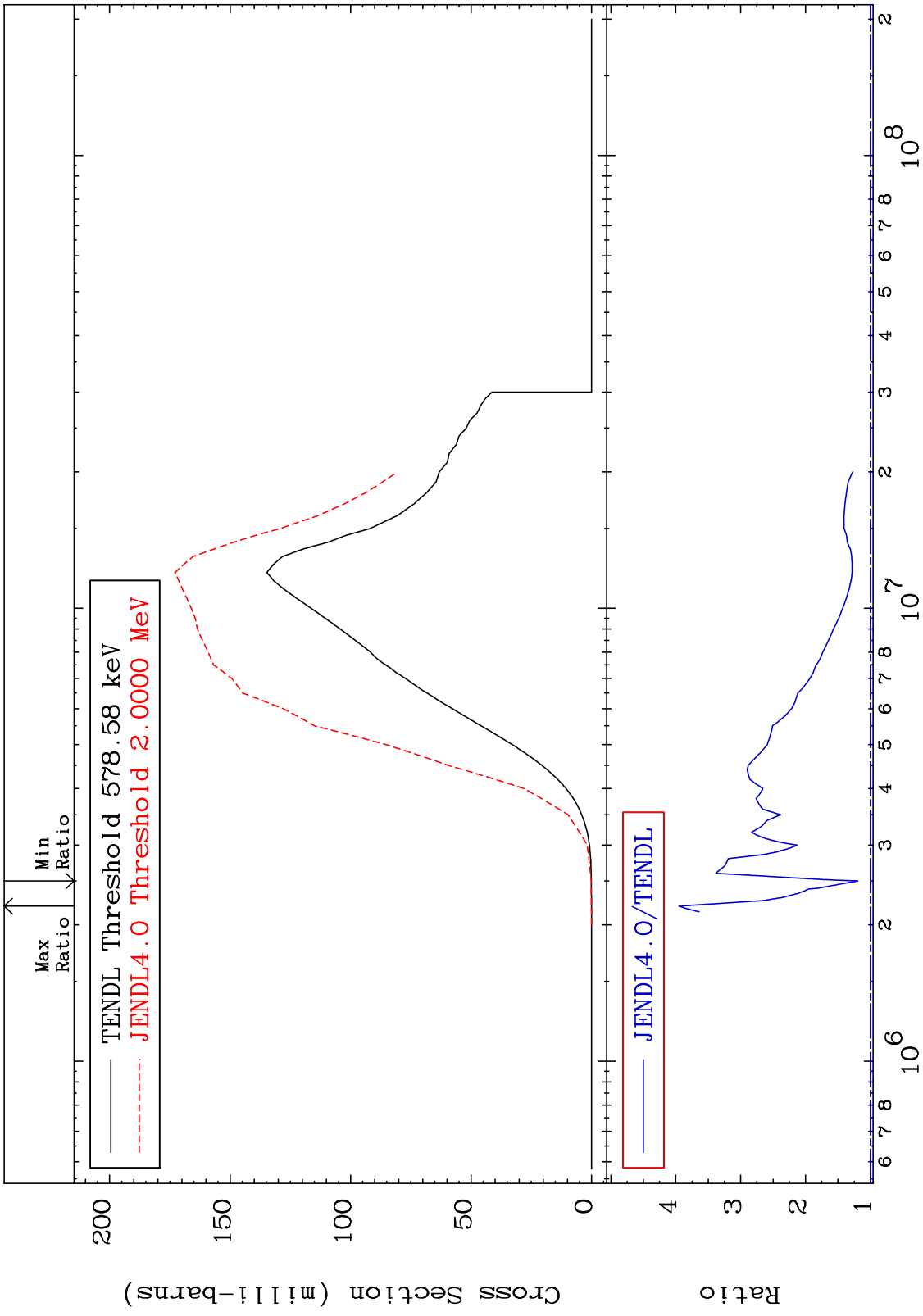
MAT 3425

34-Se-74

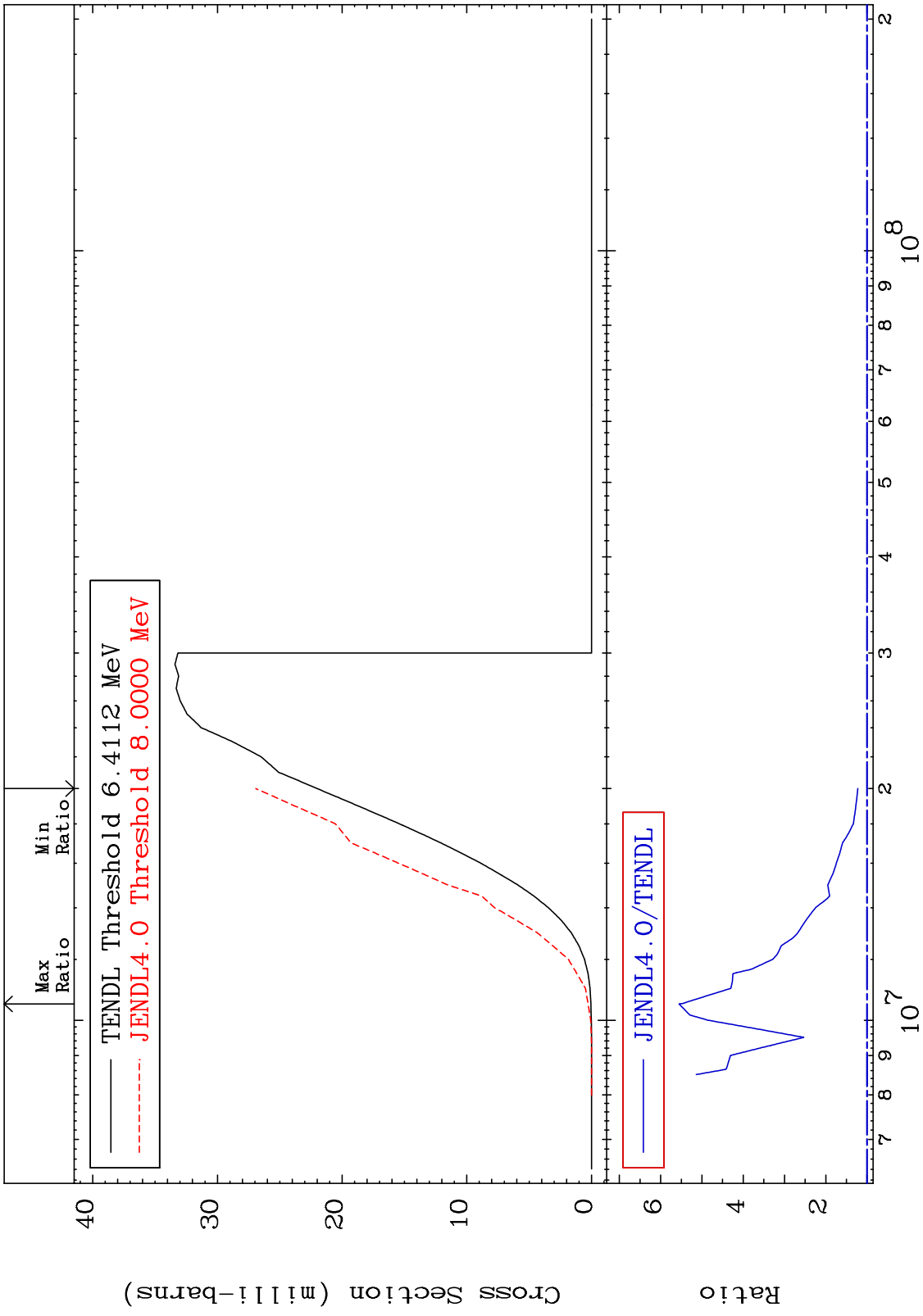
(n,  $\gamma$ )  
Cross Section  
-99.99 To 9999. %



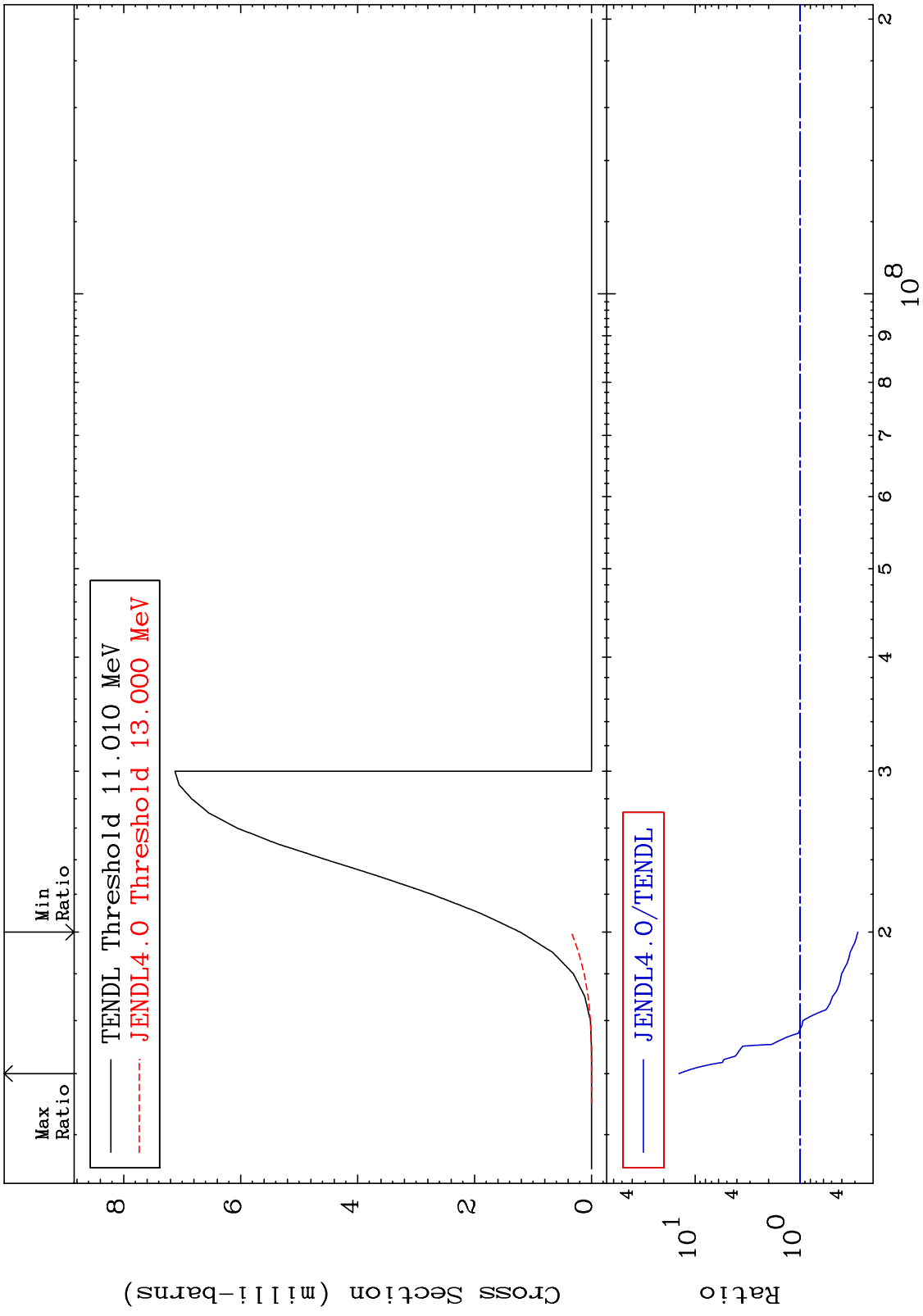
MAT 3425 (n,p) Cross Section 34-Se-74 19.43 To 295.0 %

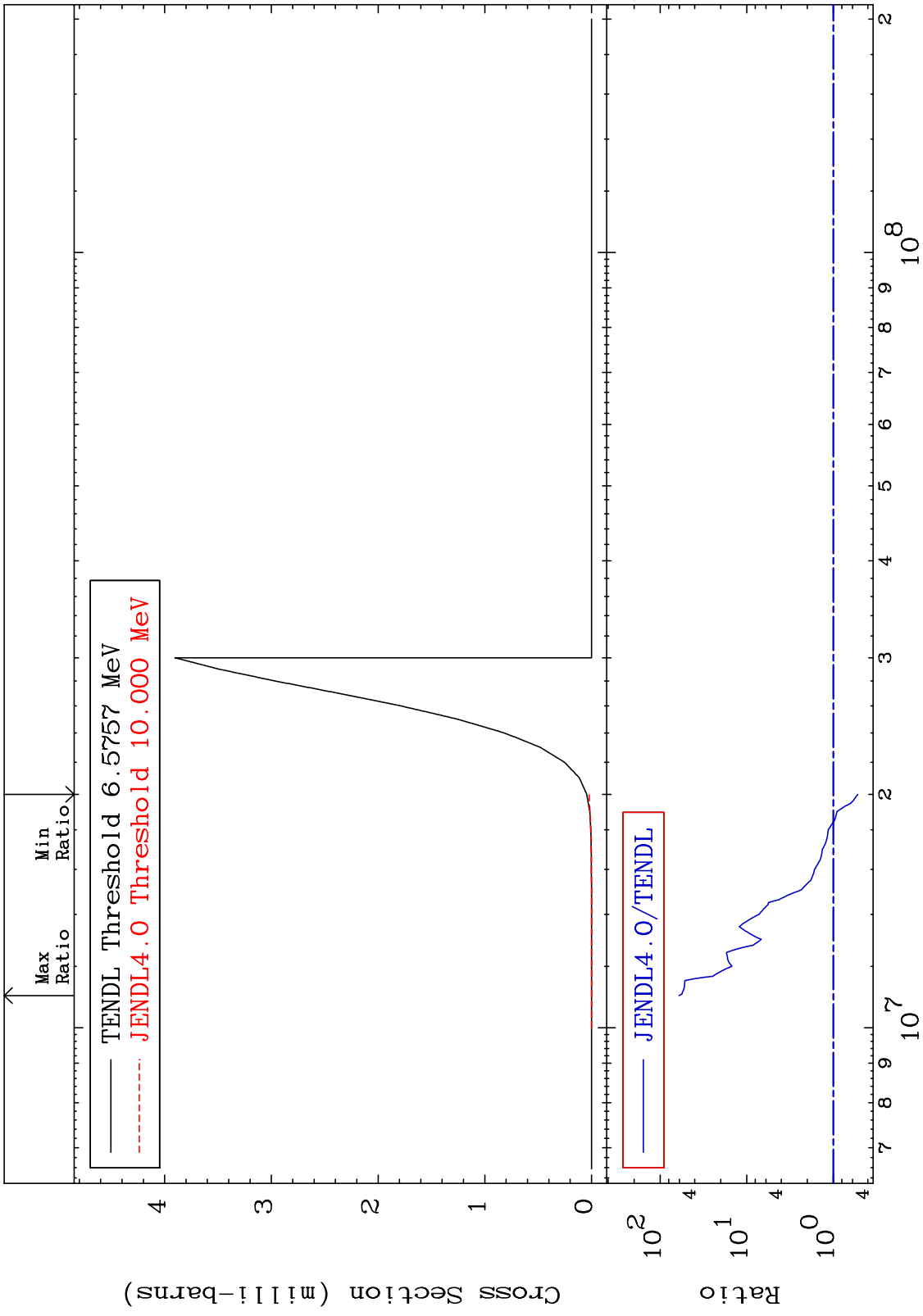


MAT 3425 (n,d) Cross Section 34-Se-74 To 455.5 %



32 34-Se-74





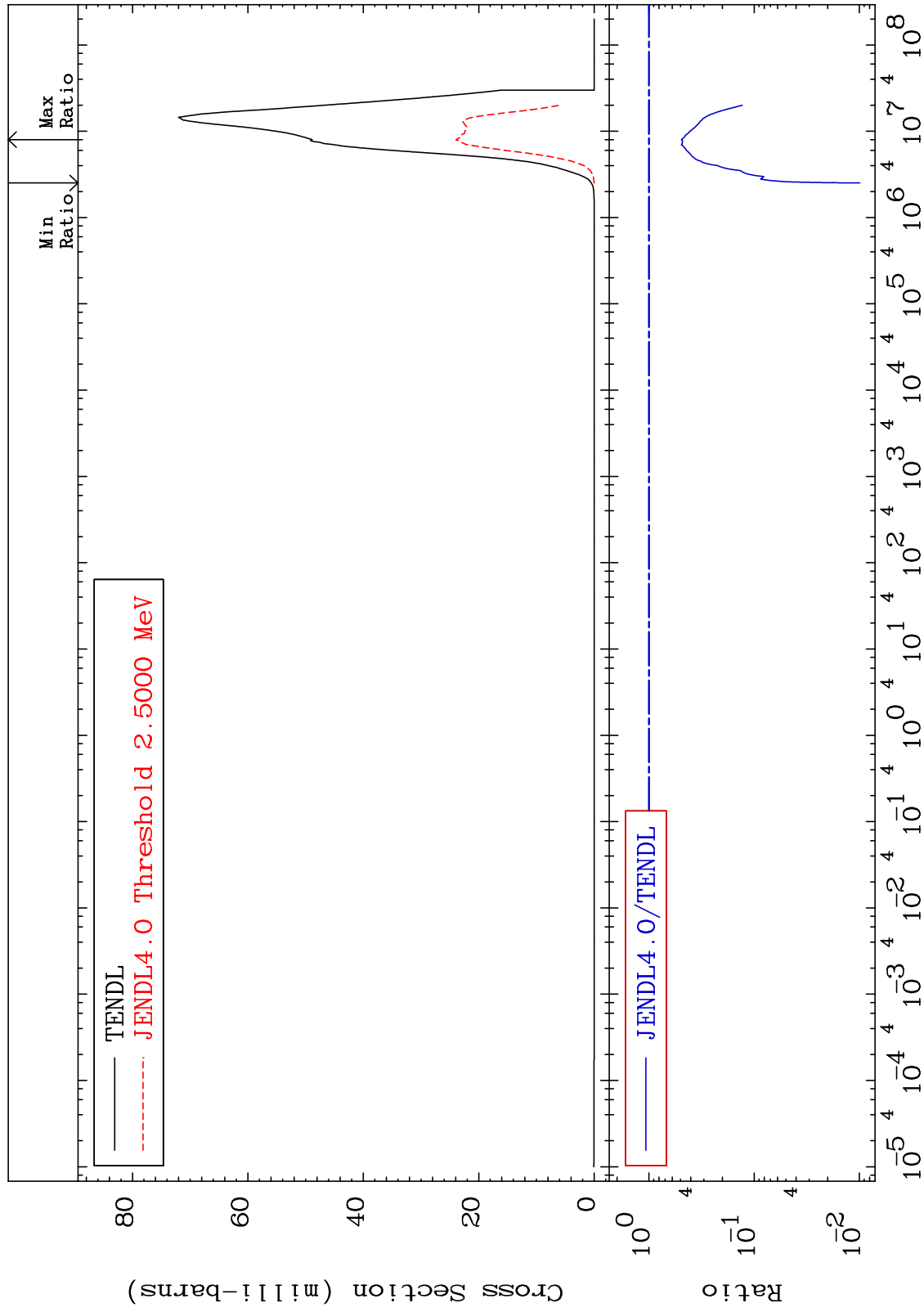
MAT 3425

(n,  $\alpha$ )

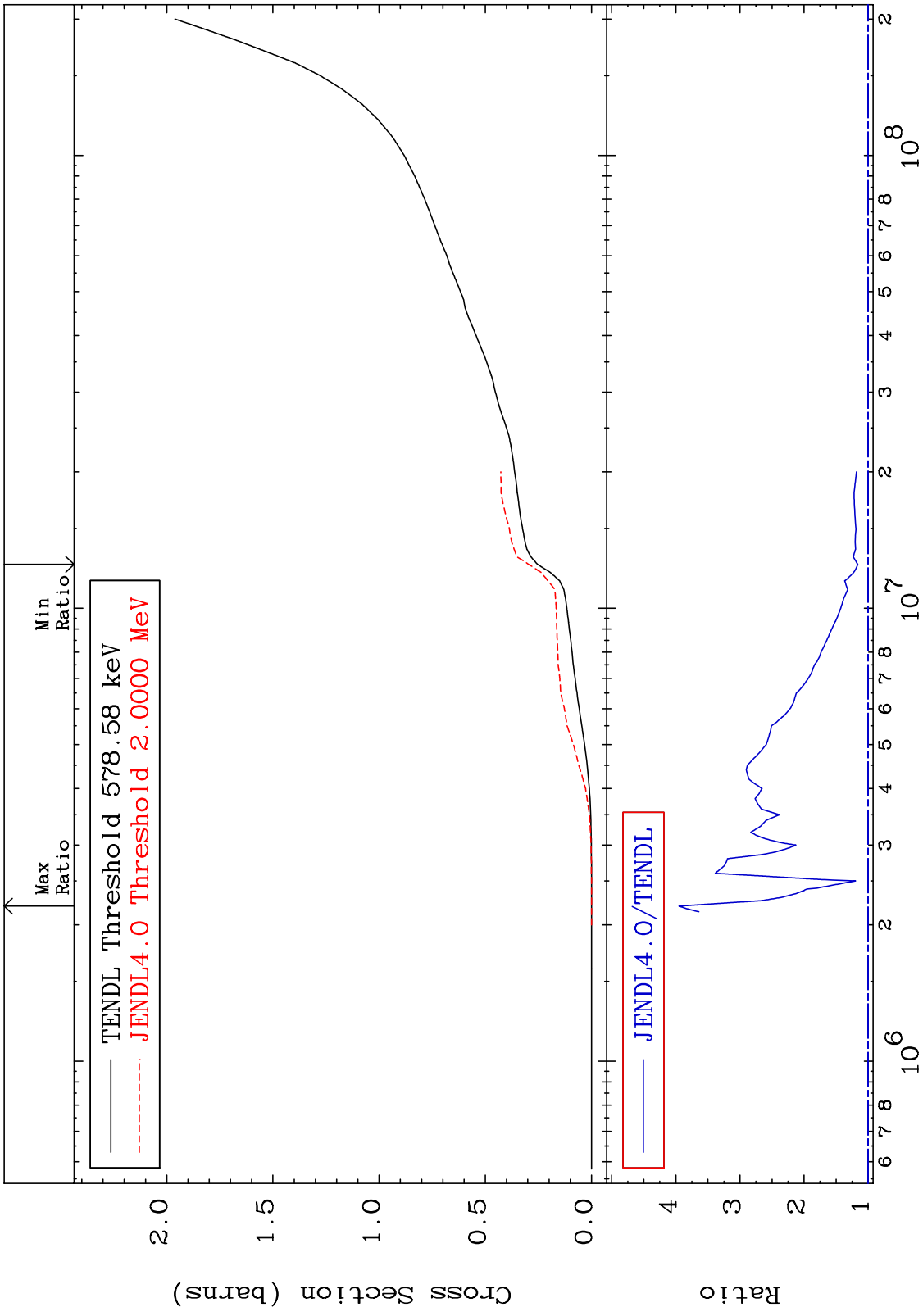
<sup>34</sup>Se-74

Cross Section

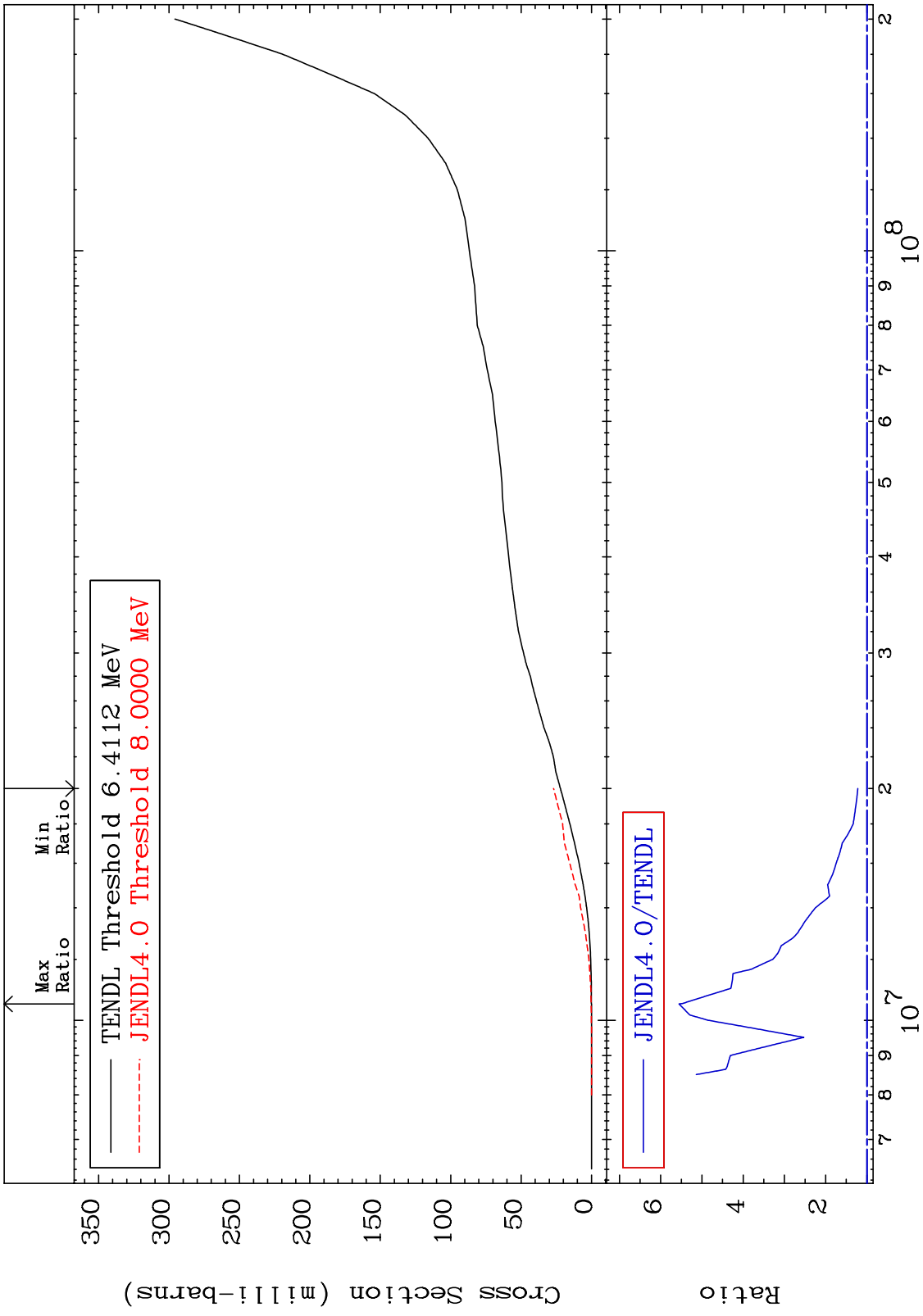
-99.01 To -51.01%



MAT 3425 Hydrogen Production Cross Section 34-Se-74 16.09 To 295.0 %



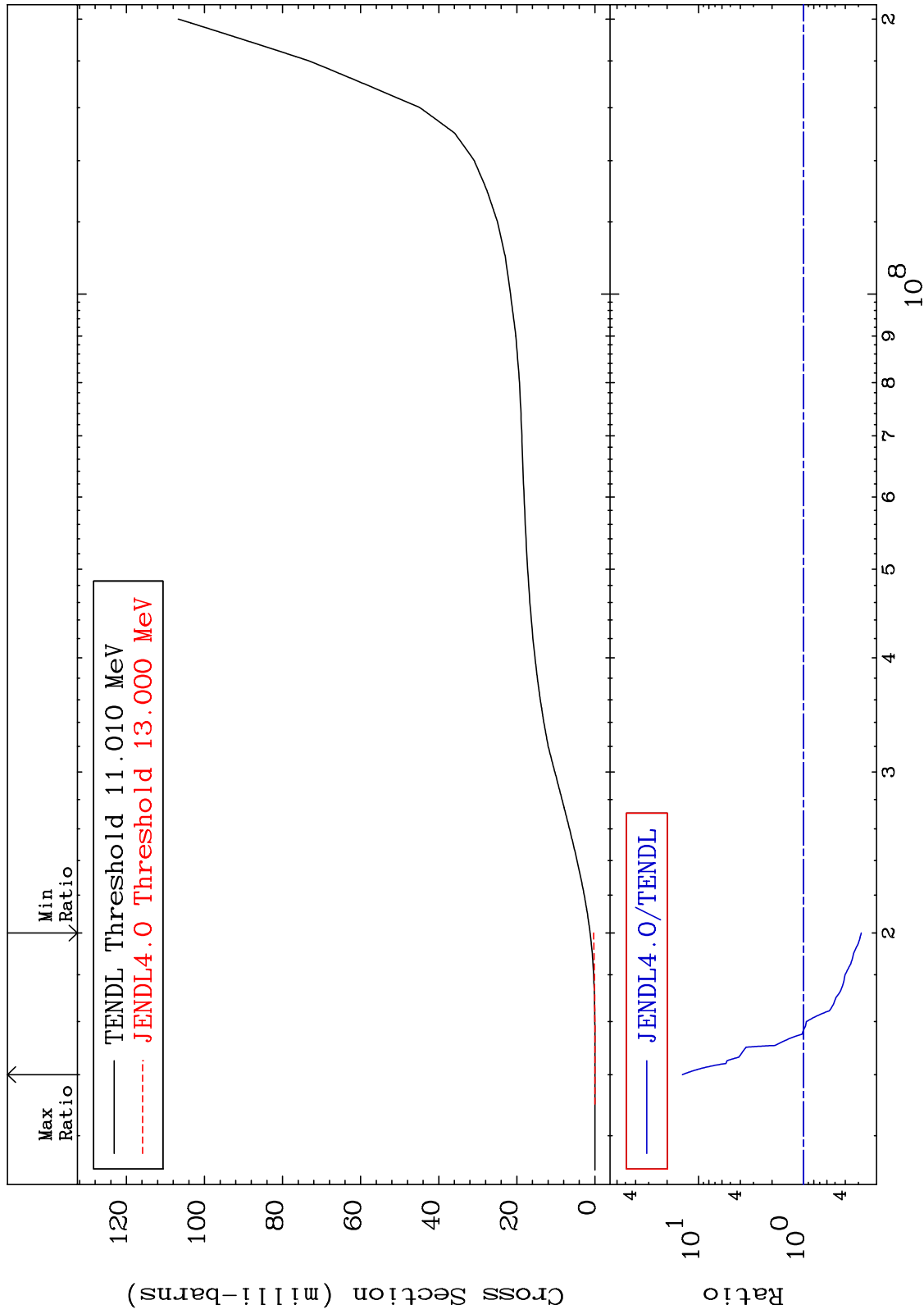
MAT 3425 Deuterium Production Cross Section 34-Se-74 To 455.5 %



MAT 3425

Tritium Production  
Cross Section

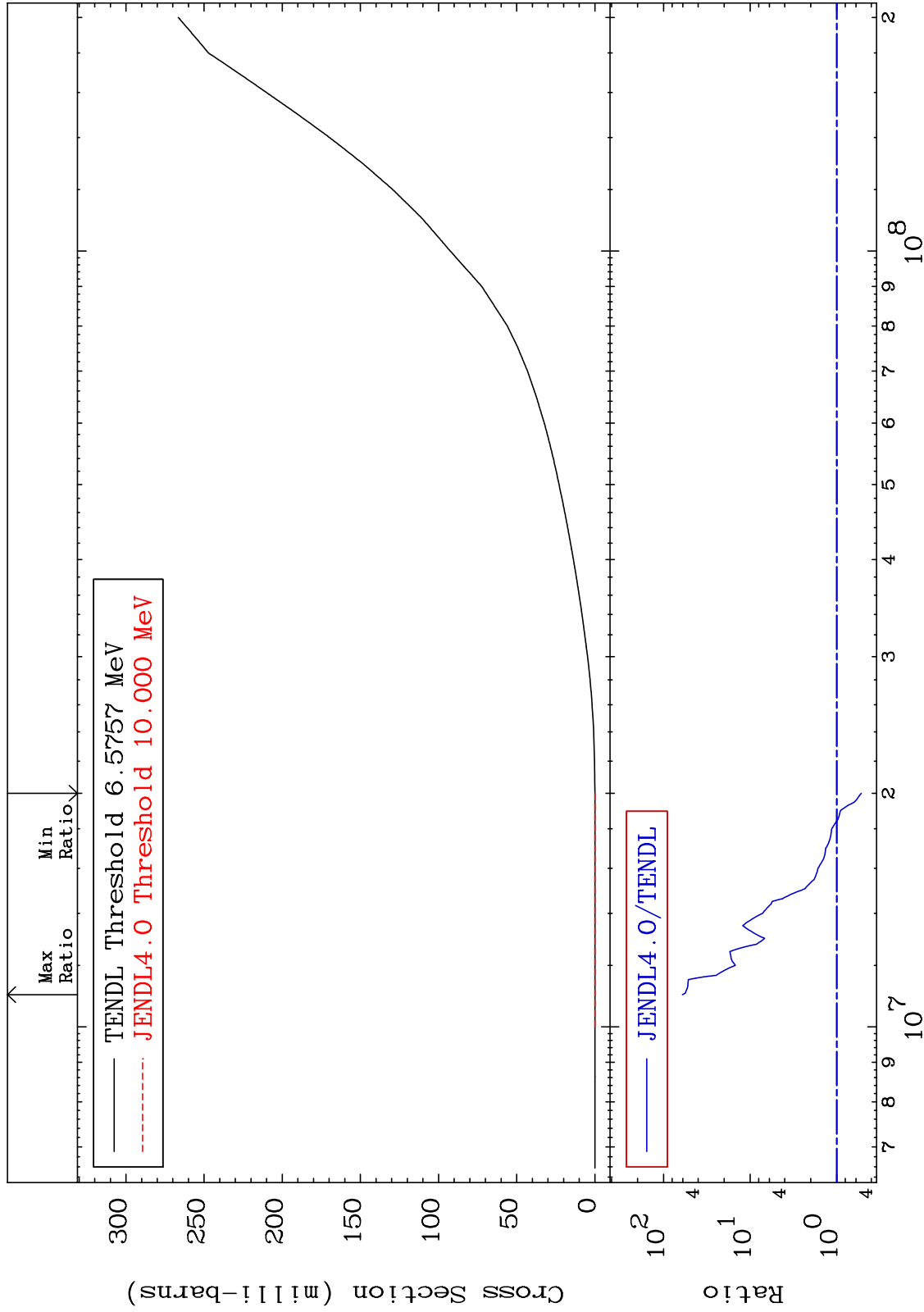
<sup>34</sup>Se-74  
-71.86 To 1327. %



MAT 3425

He-3 Production  
Cross Section

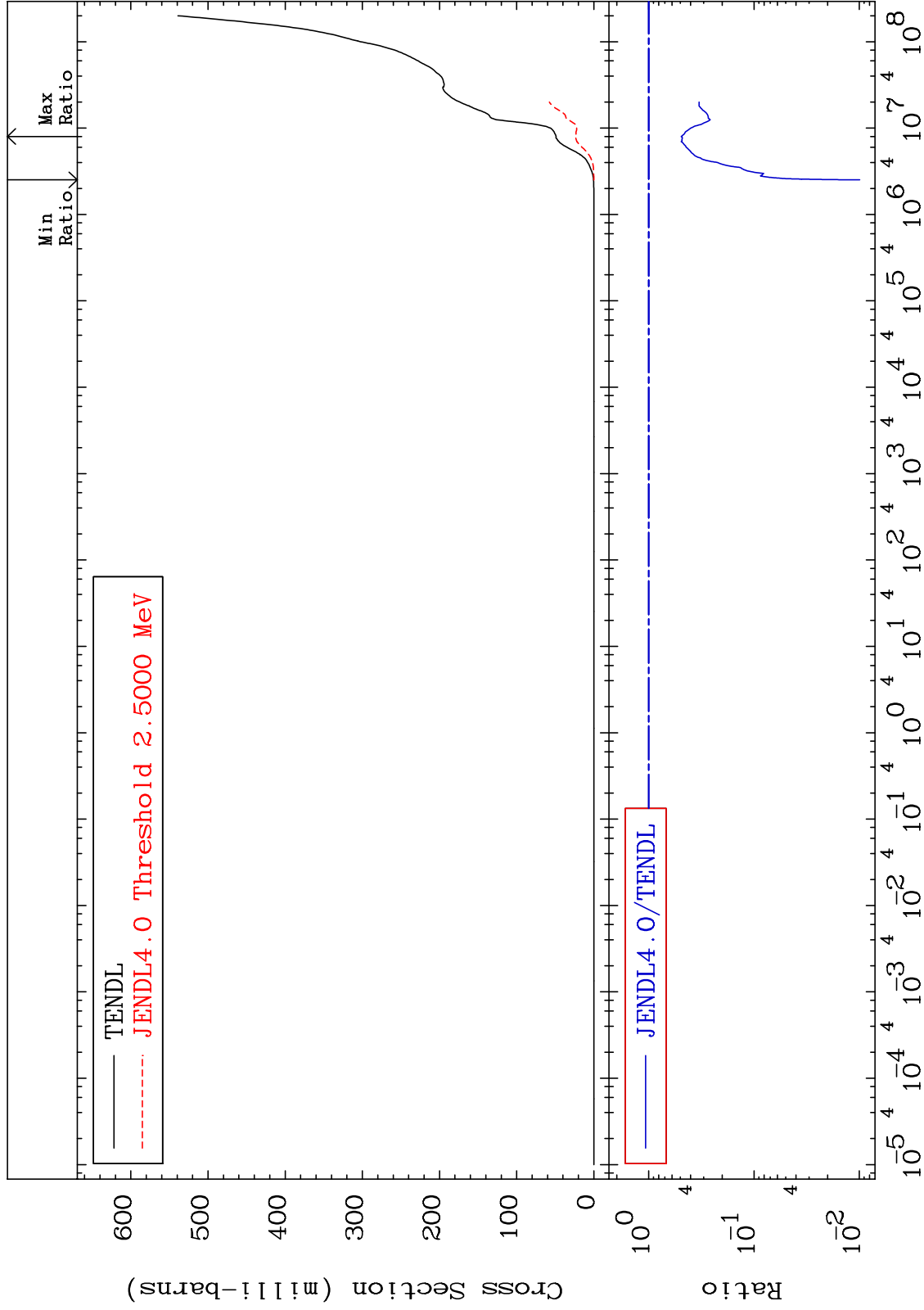
34-Se-74  
-47.85 To 5969. %



MAT 3425

He-4 Production  
Cross Section

34-Se-74  
-99.01 To -51.01%

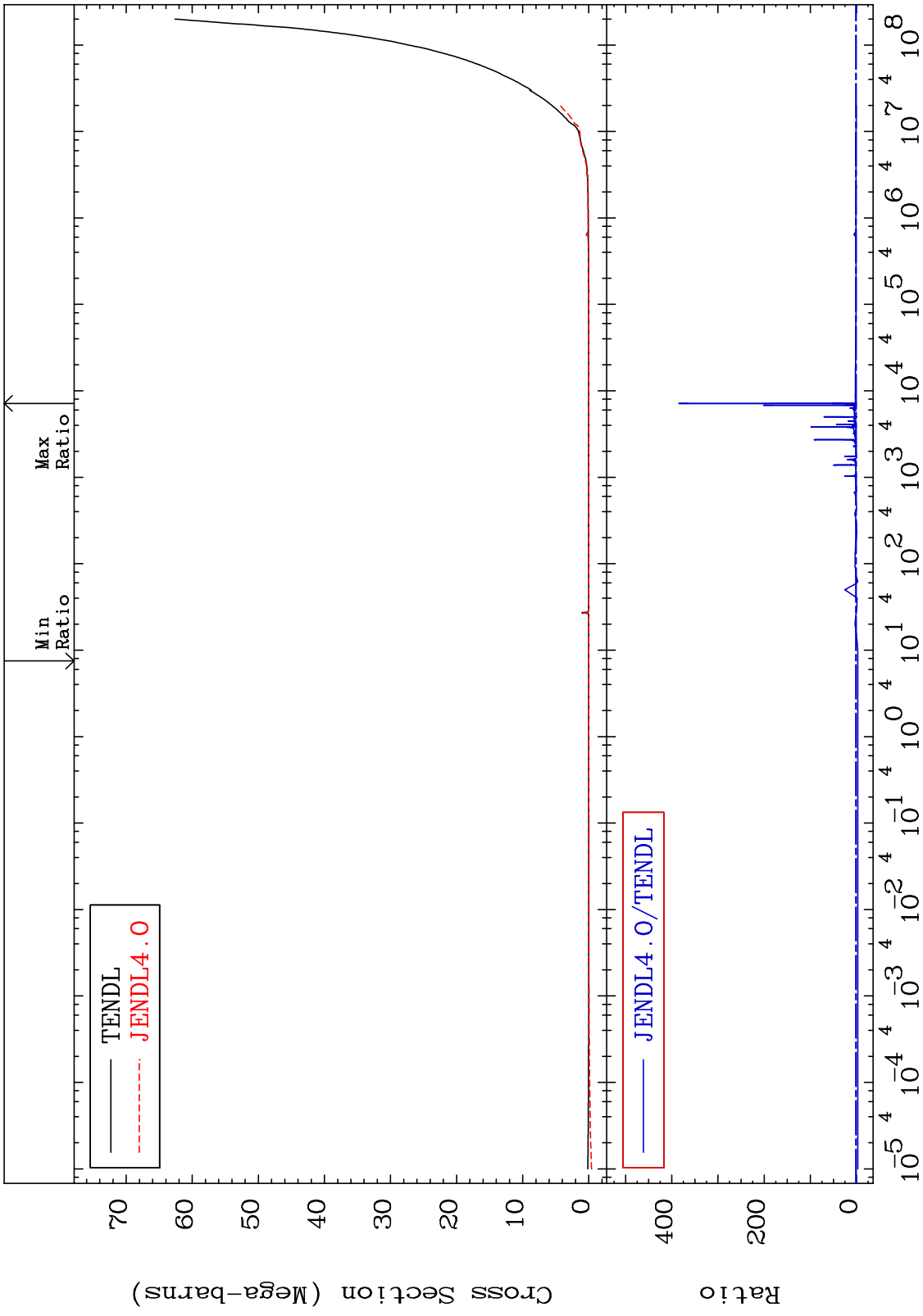


40

Incident Energy (eV)

34-Se-74

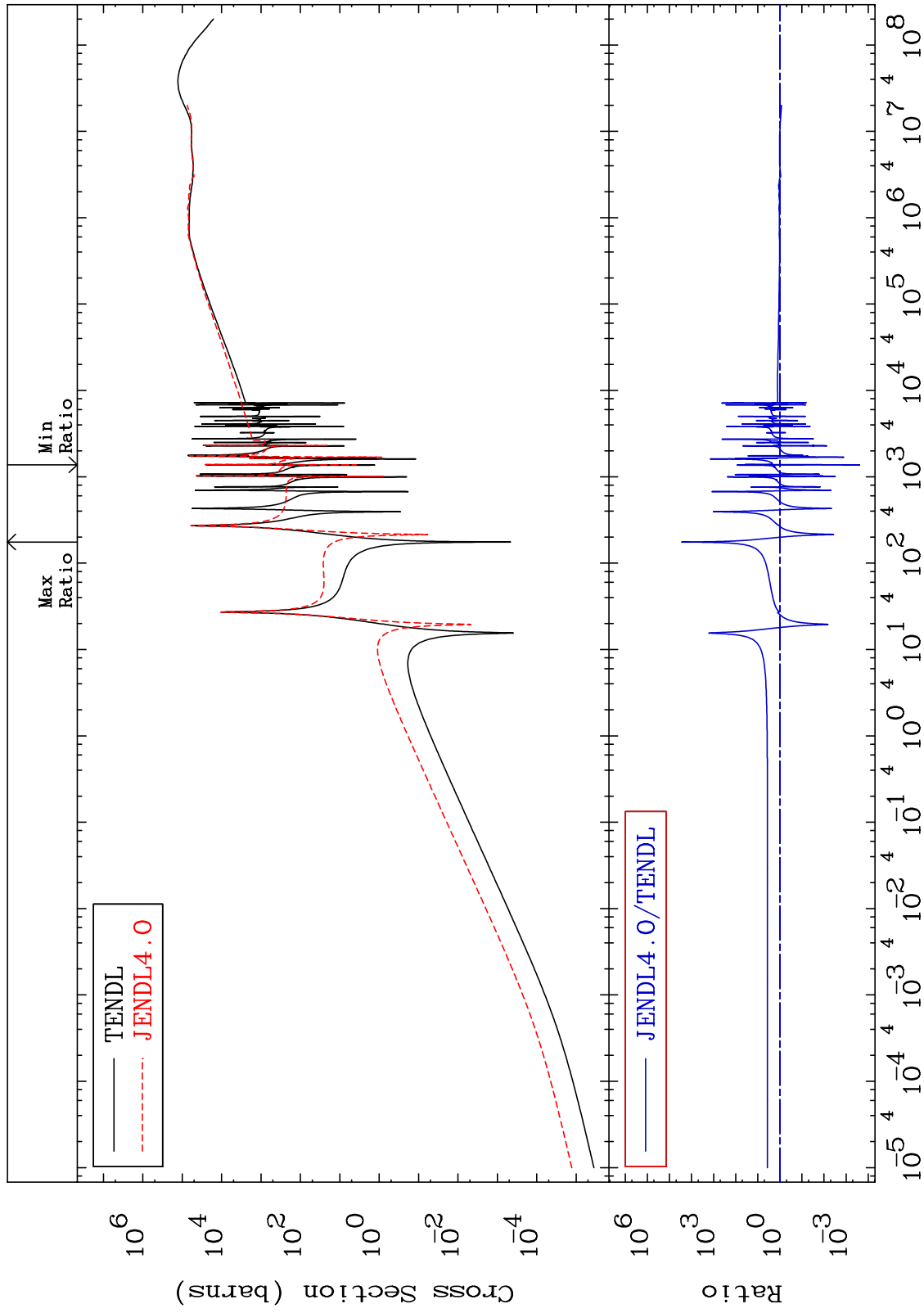
MAT 3425 Kerma total (eV-barns) 34-Se-74  
 Cross Section -382.1 To 9999. %



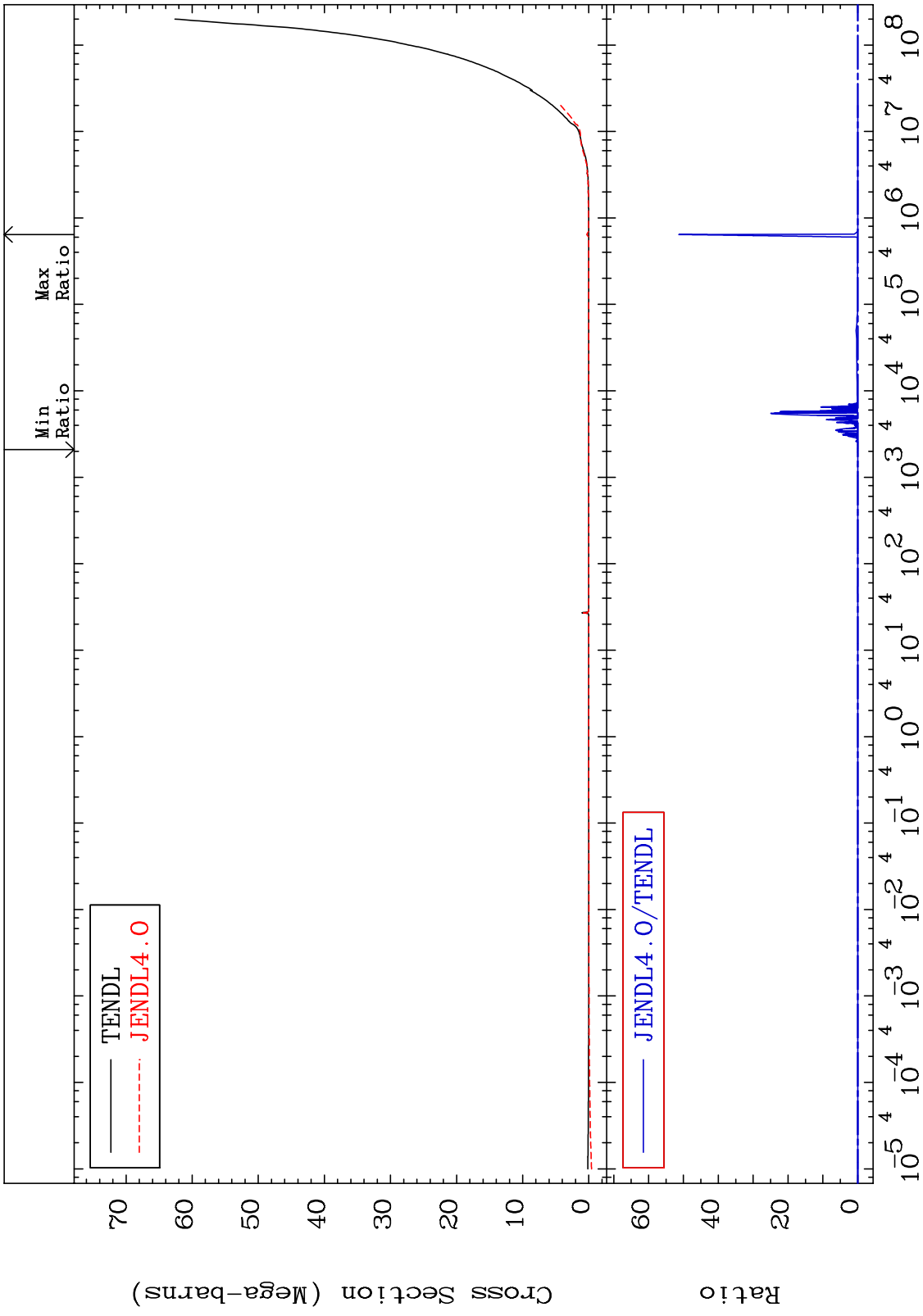
MAT 3425

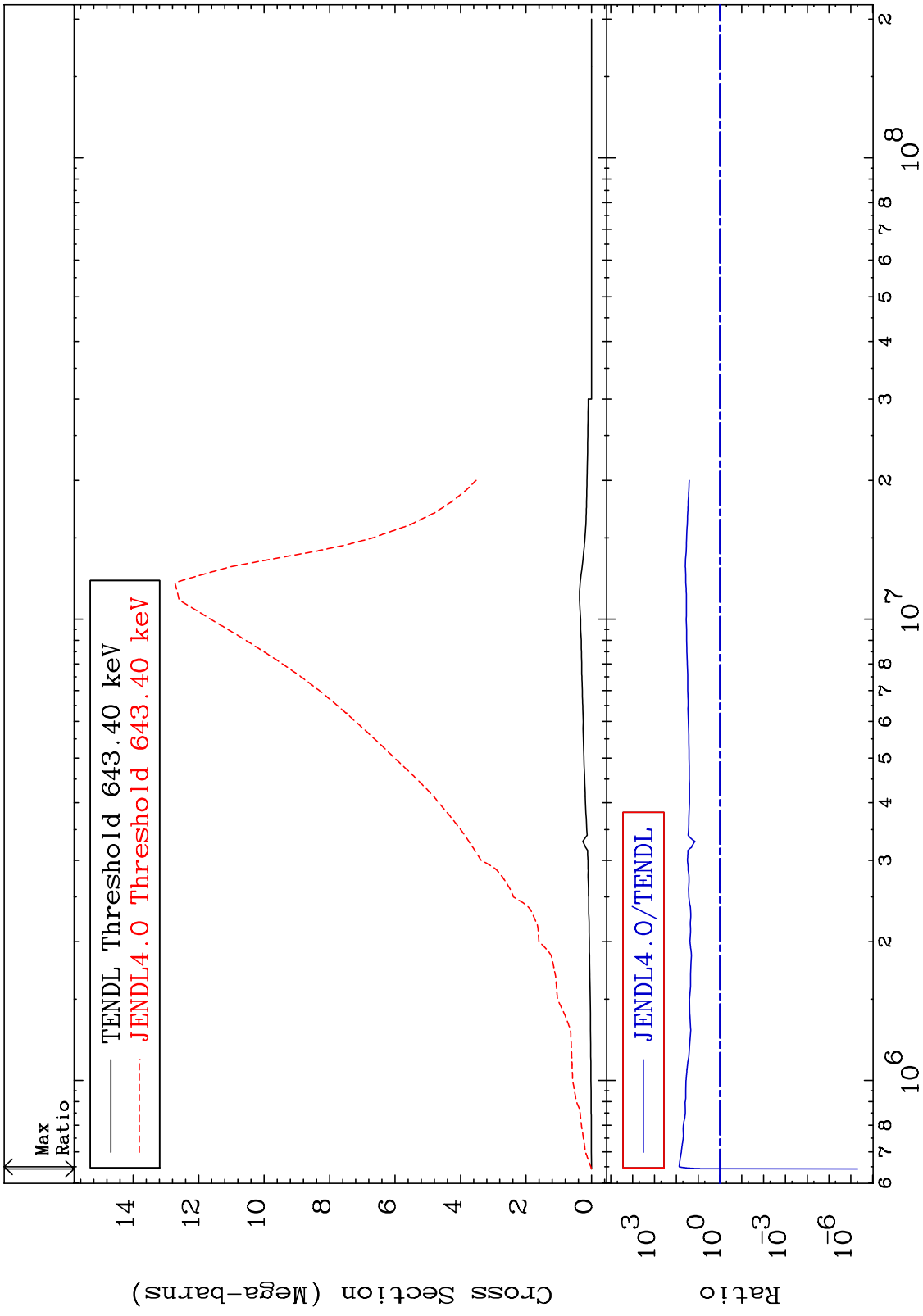
Kerma elastic  
Cross Section

<sup>34</sup>Se-74  
-99.98 To 9999. %



MAT 3425 Kerma non-elastic (all but mt2) Cross Section 34-Se-74  
 -3199. To 9999. %

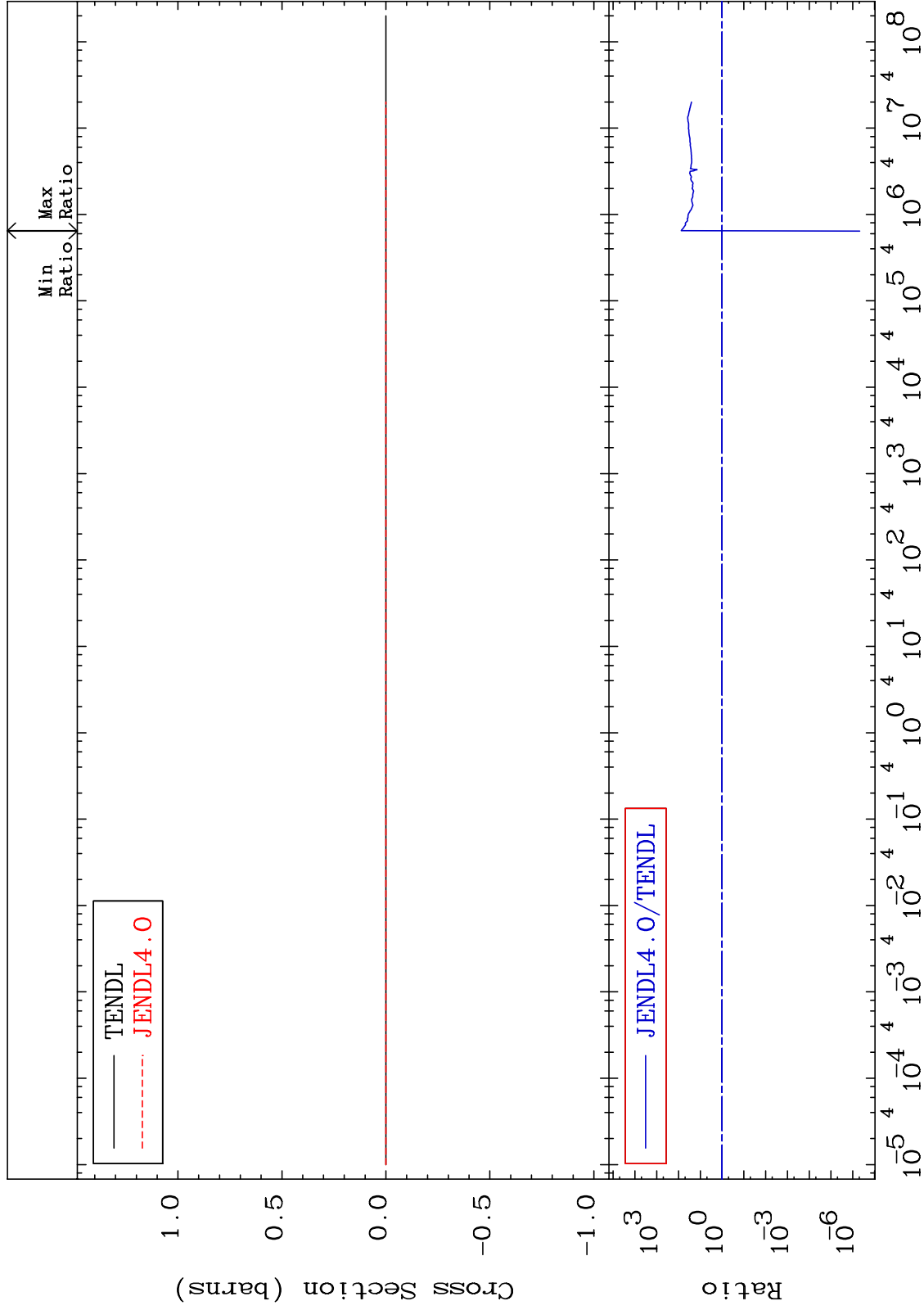




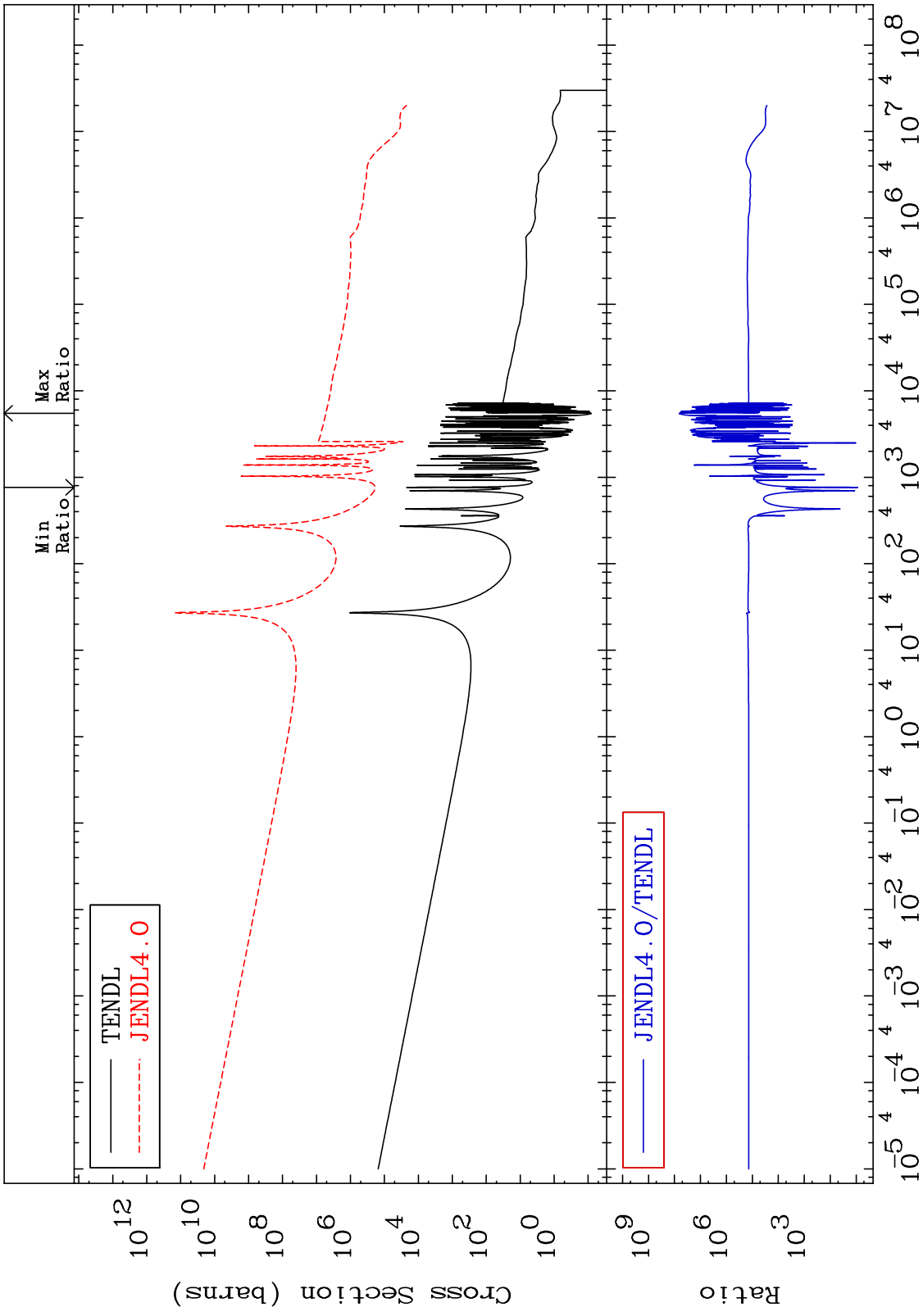
MAT 3425

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

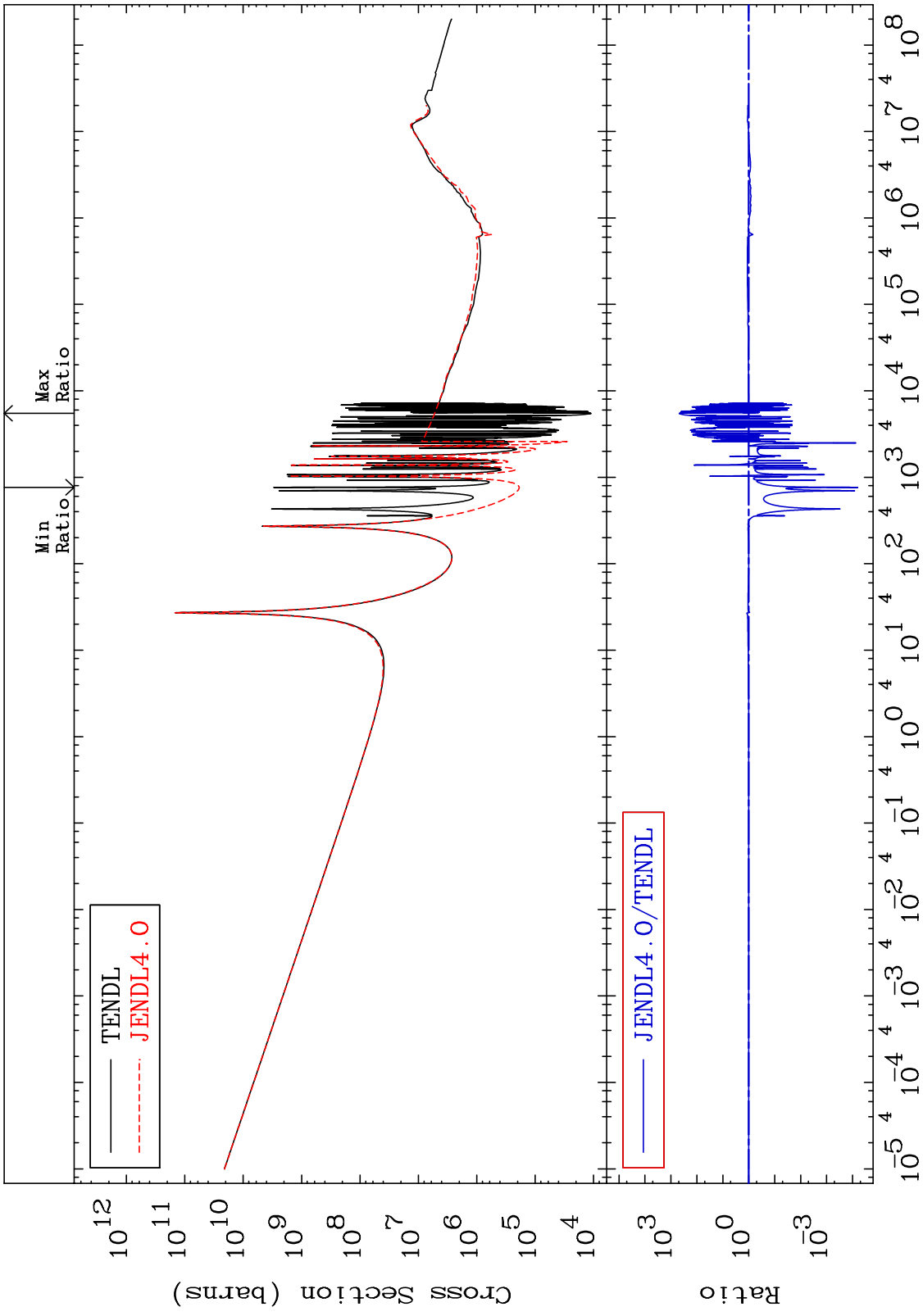
34-Se-74  
-100.0 To 7391. %



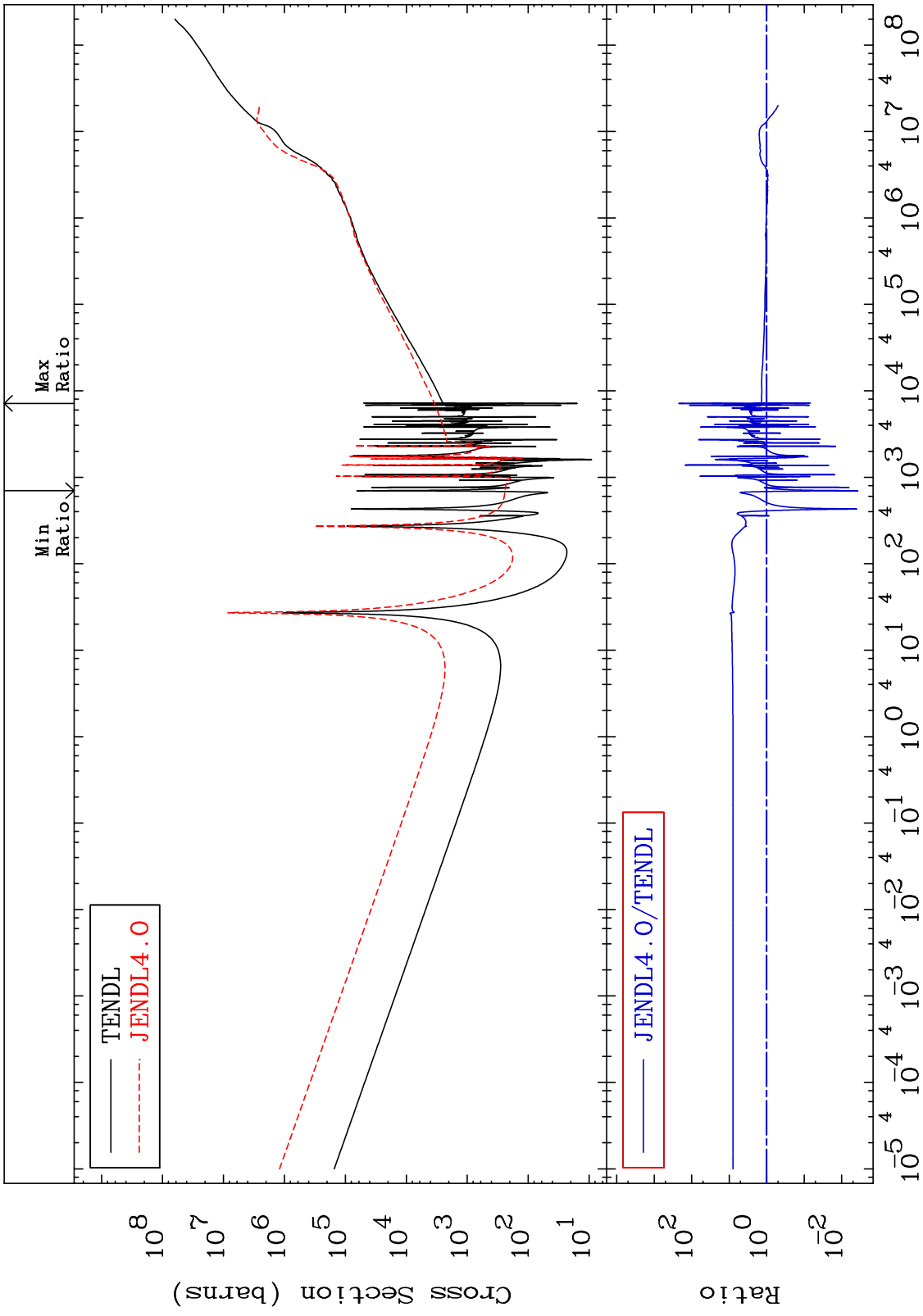
MAT 3425 Kerma capture (mt102) <sup>34</sup>Se-74  
 Cross Section 764.4 To 9999. %



MAT 3425 34-Se-74  
-99.99 To 9999. %  
 Total photon (eV-barns)  
 Cross Section



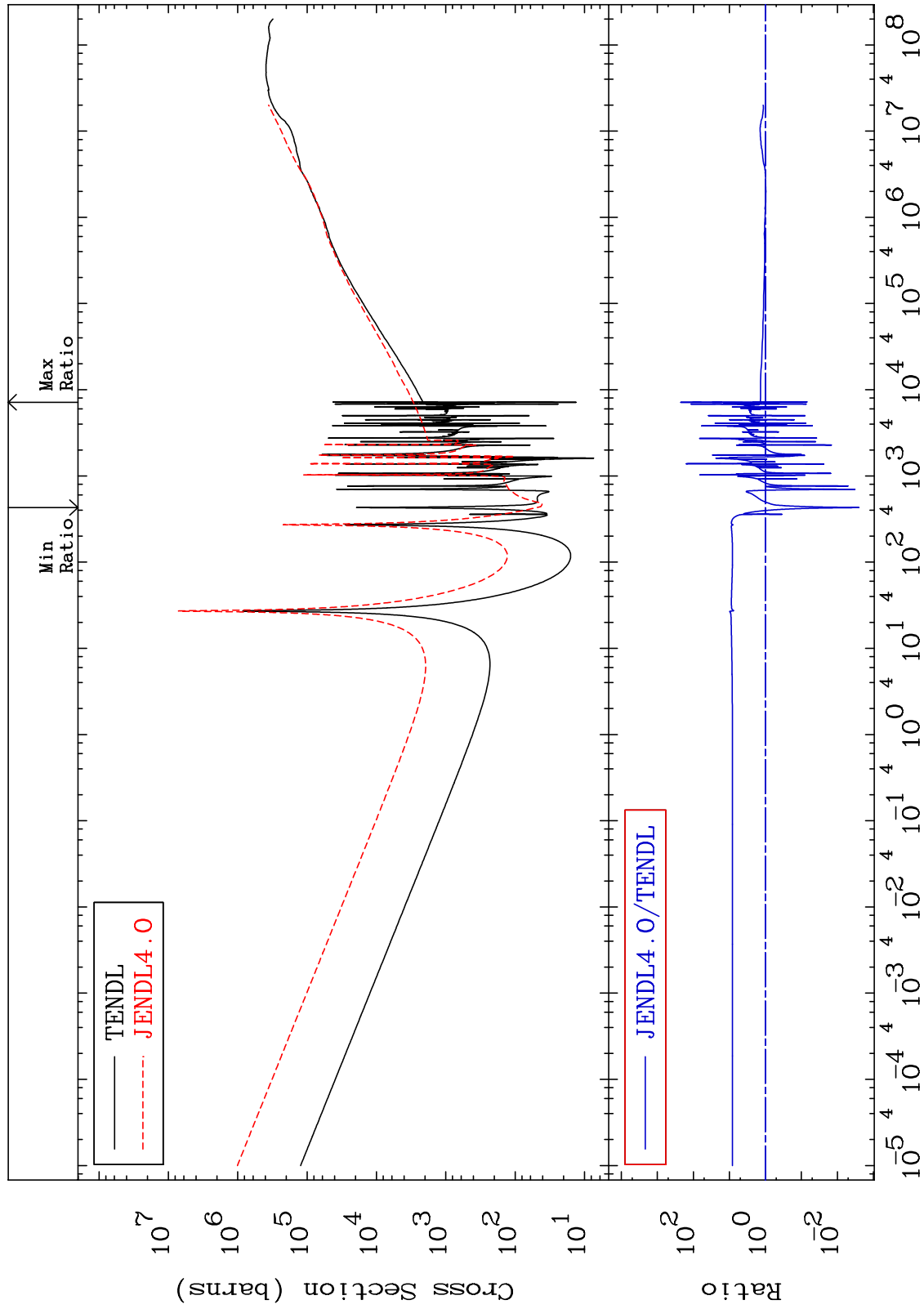
MAT 3425 Total kinematic kerma (high limit) Cross Section 34-Se-74 -99.63 To 9999. %



MAT 3425

Dpa total (eV-barns)  
Cross Section

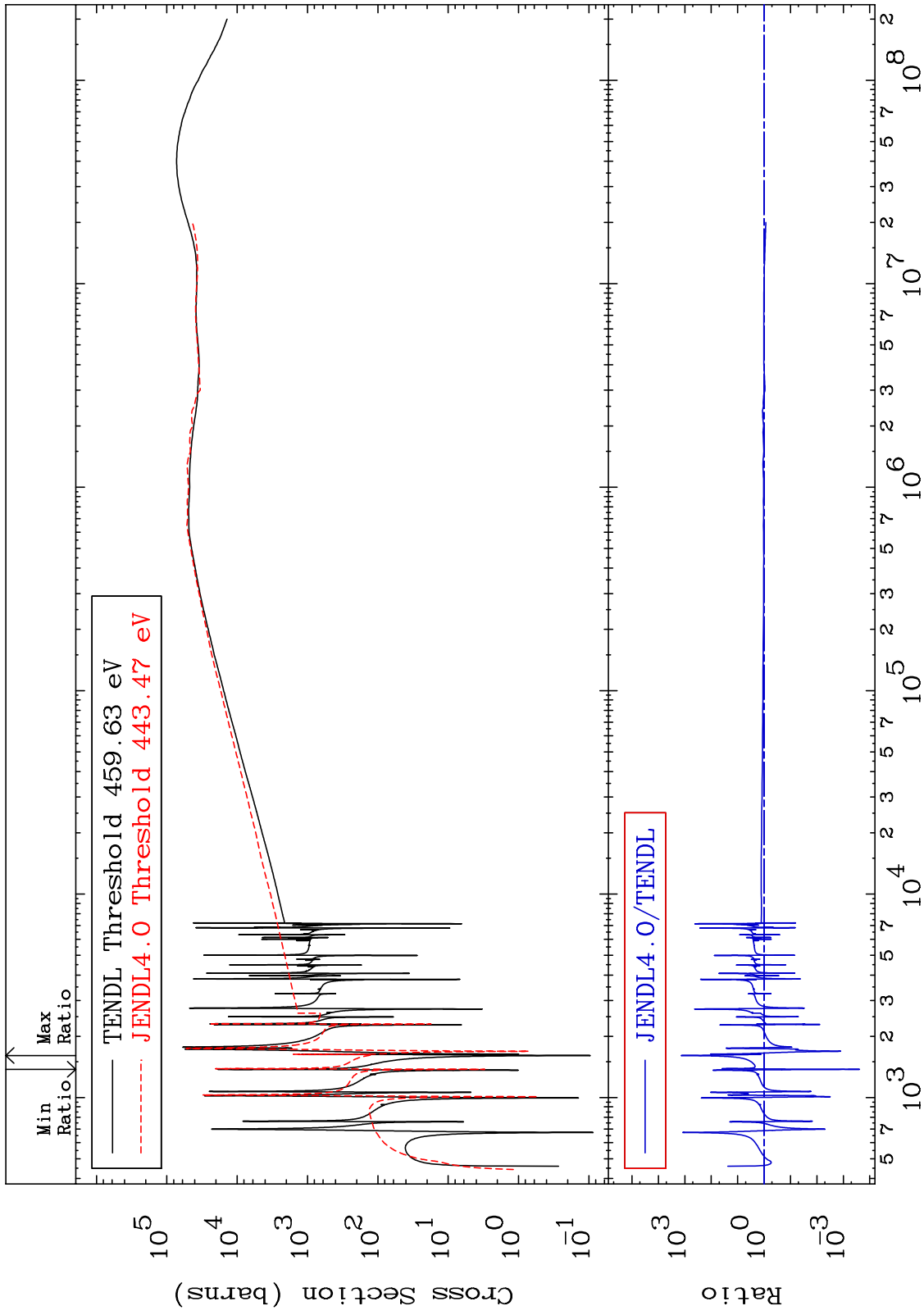
34-Se-74  
-99.75 To 9999. %



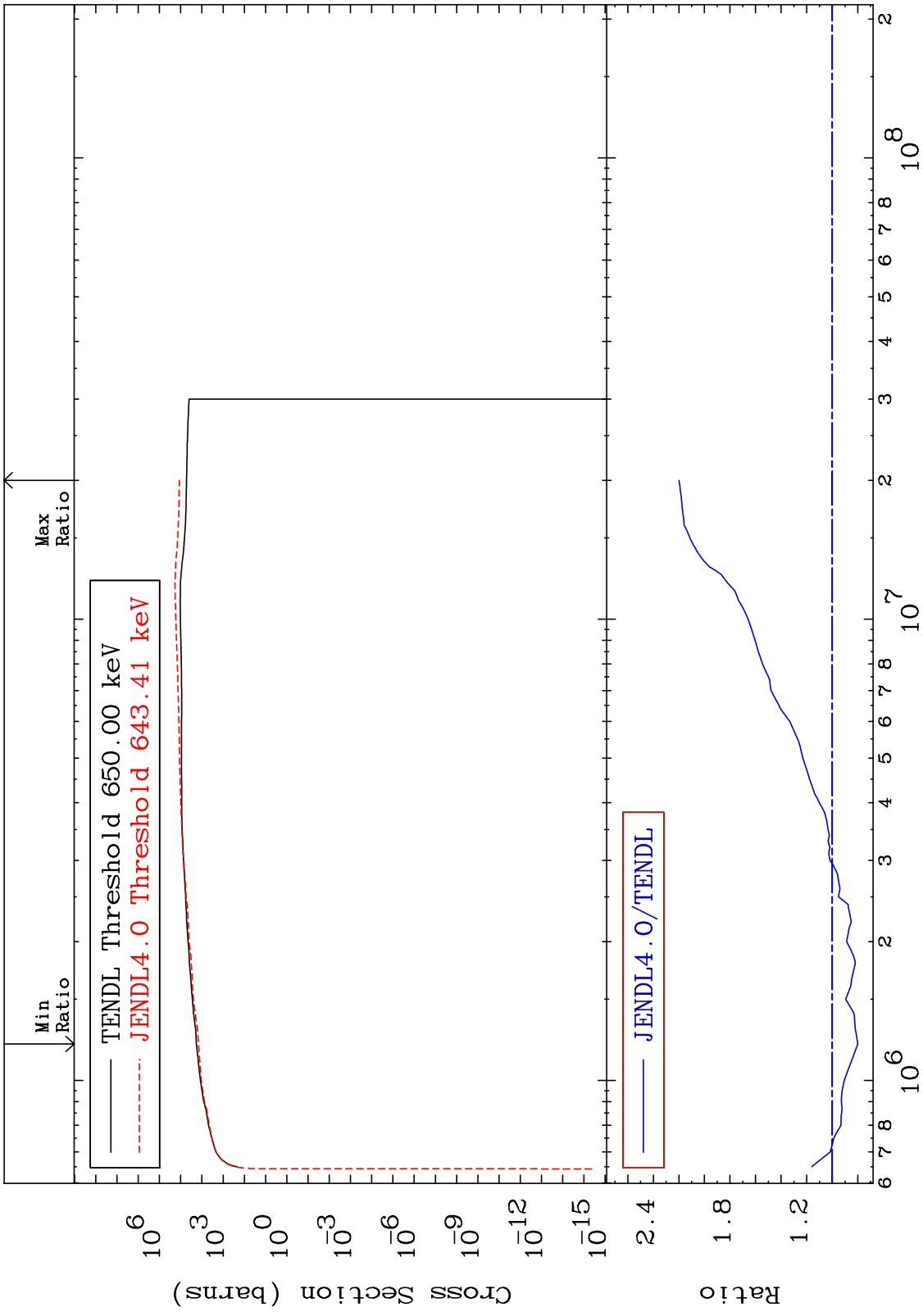
MAT 3425

Dpa elastic (mt2)  
Cross Section

34-Se-74  
-99.98 To 9999. %



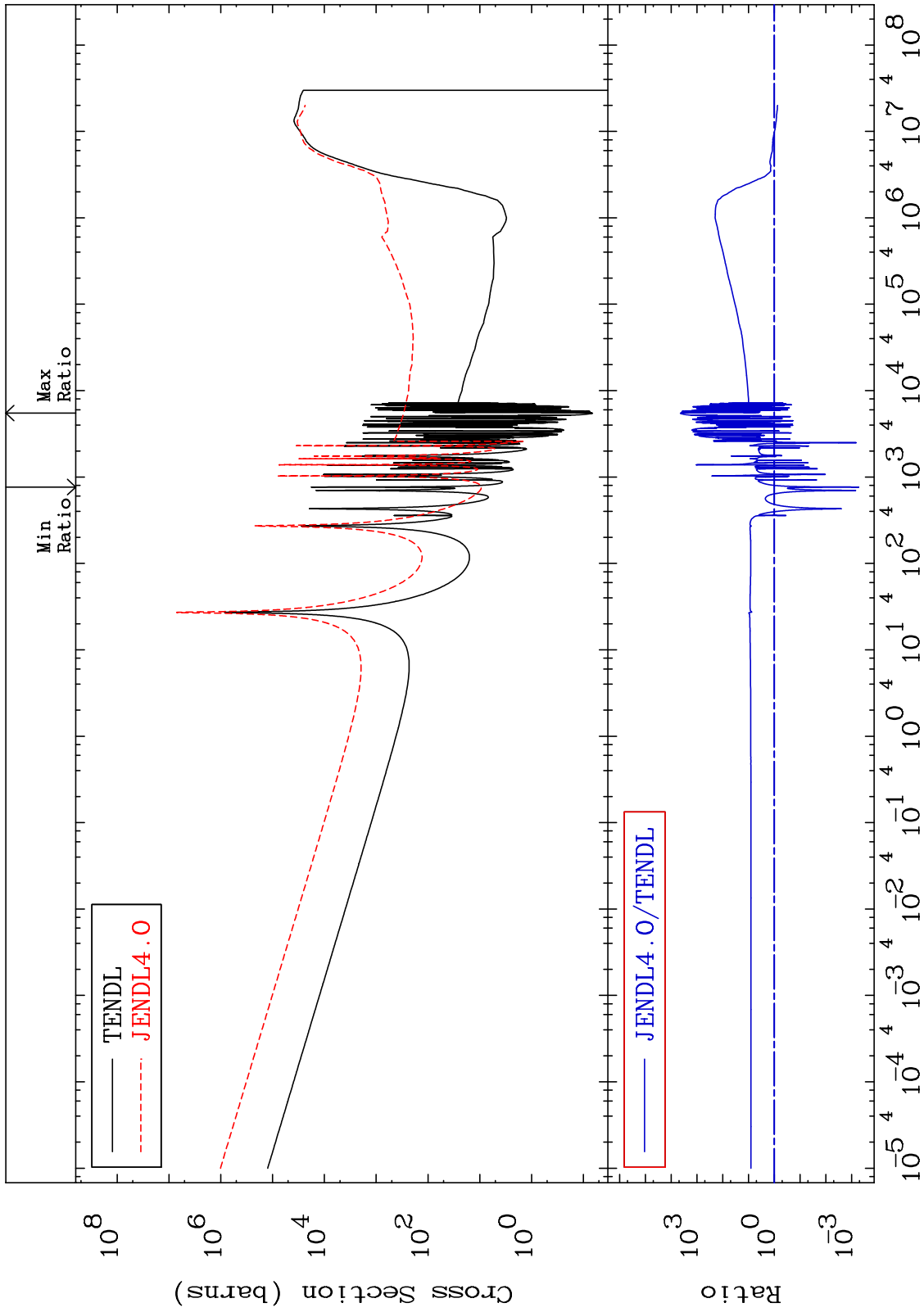
MAT 3425      Dpa inelastic (mt51-91)      34-Se-74  
 Cross Section      -20.03 To 119.9 %



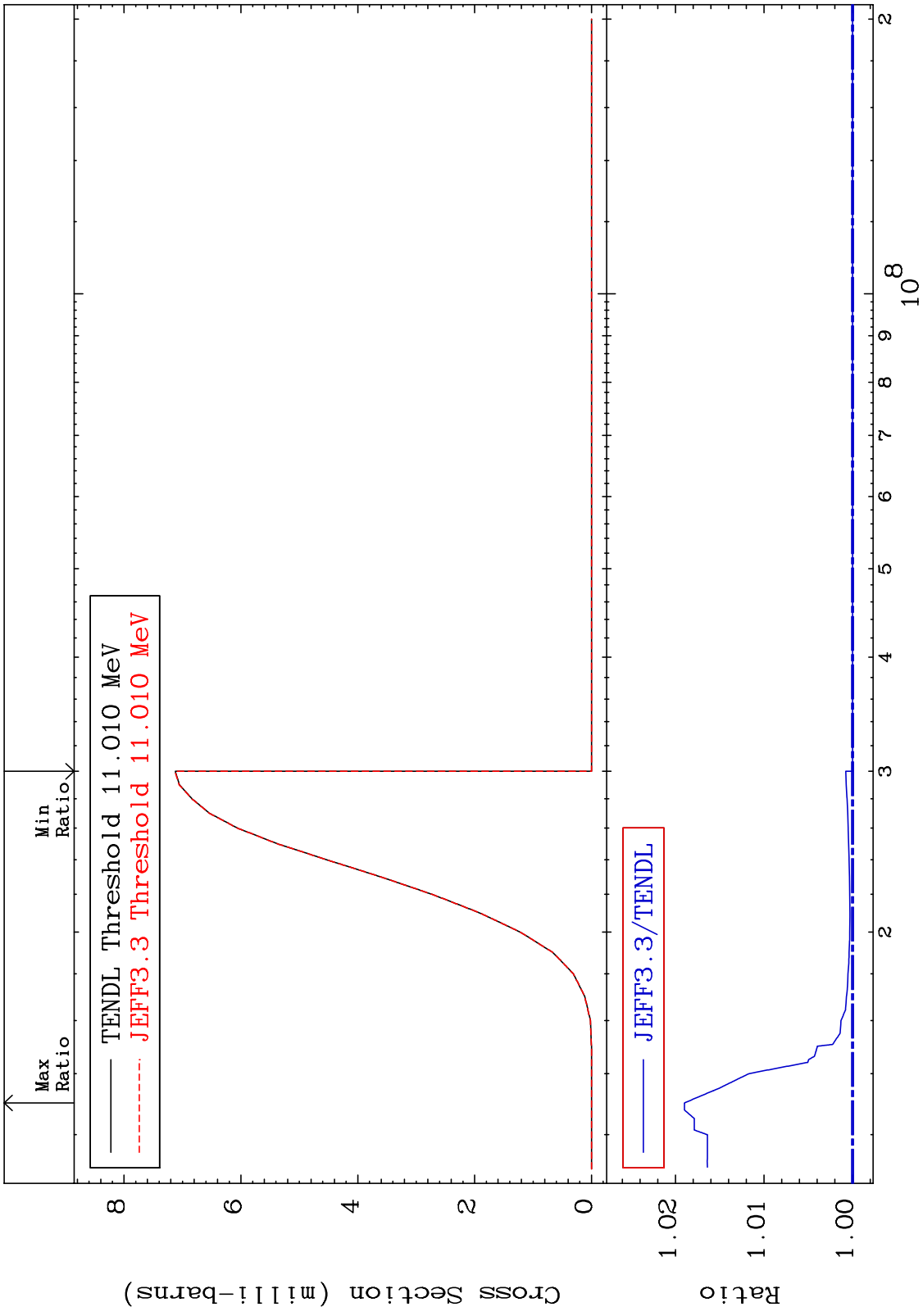
MAT 3425

Dpa disappearance (mt102 -120)  
Cross Section

34-Se-74  
-99.95 To 9999. %

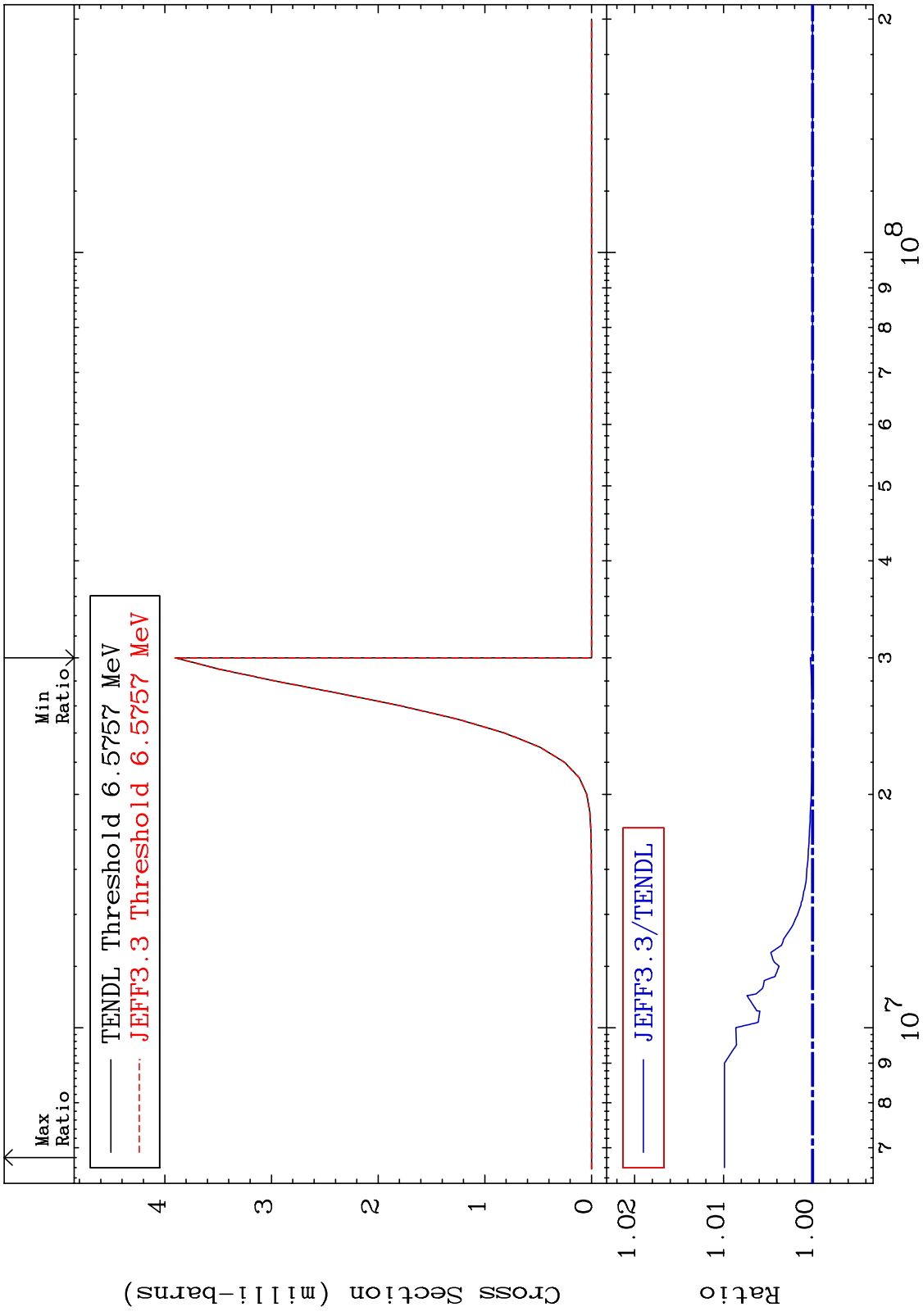


MAT 3425 (n,t) Cross Section 34-Se-74 To 1.899 %



34-Se-74

MAT 3425 (n, He-3) Cross Section 34-Se-74 To 0.991 %



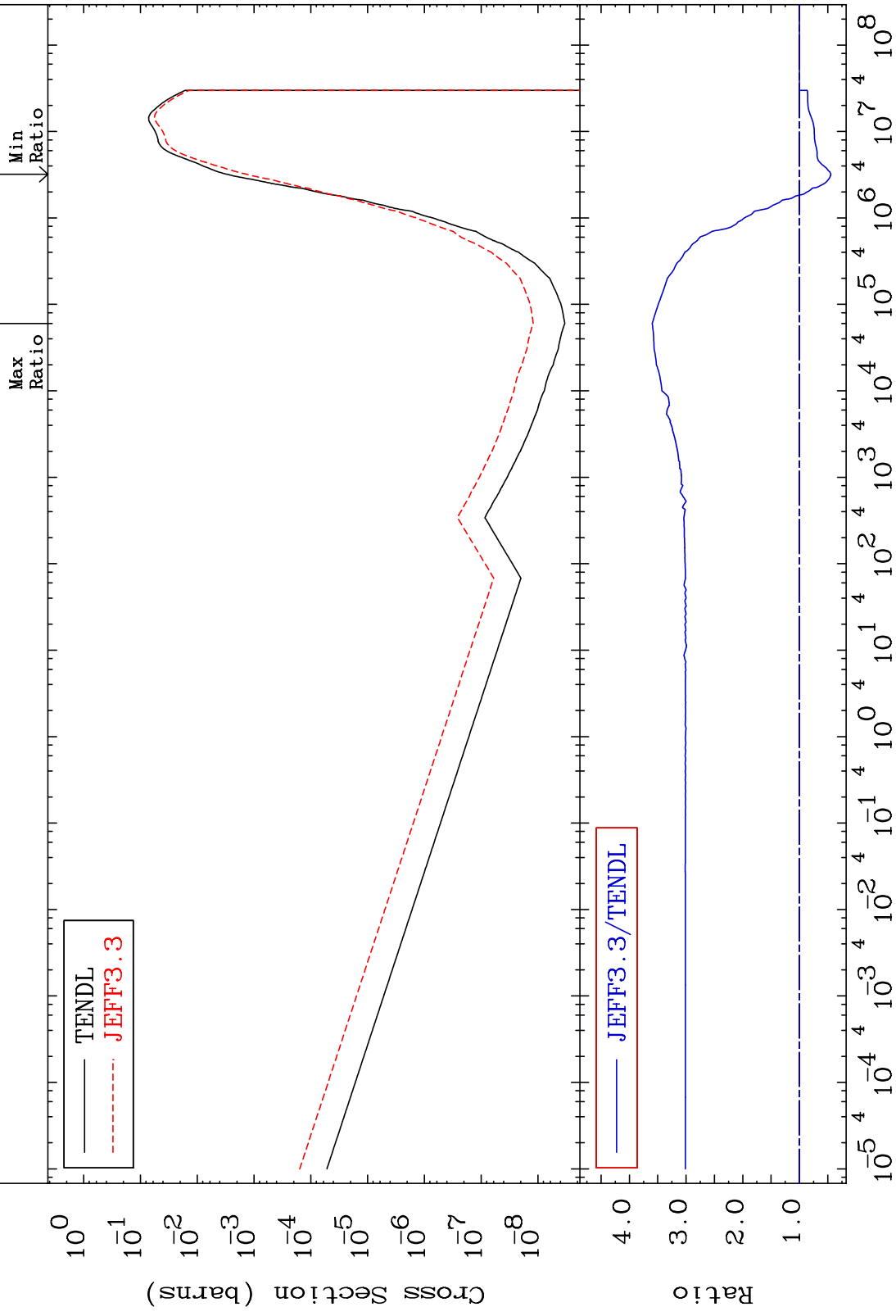
MAT 3425

(n,  $\alpha$ )

<sup>34</sup>Se-74

Cross Section

-55.61 To 259.7 %



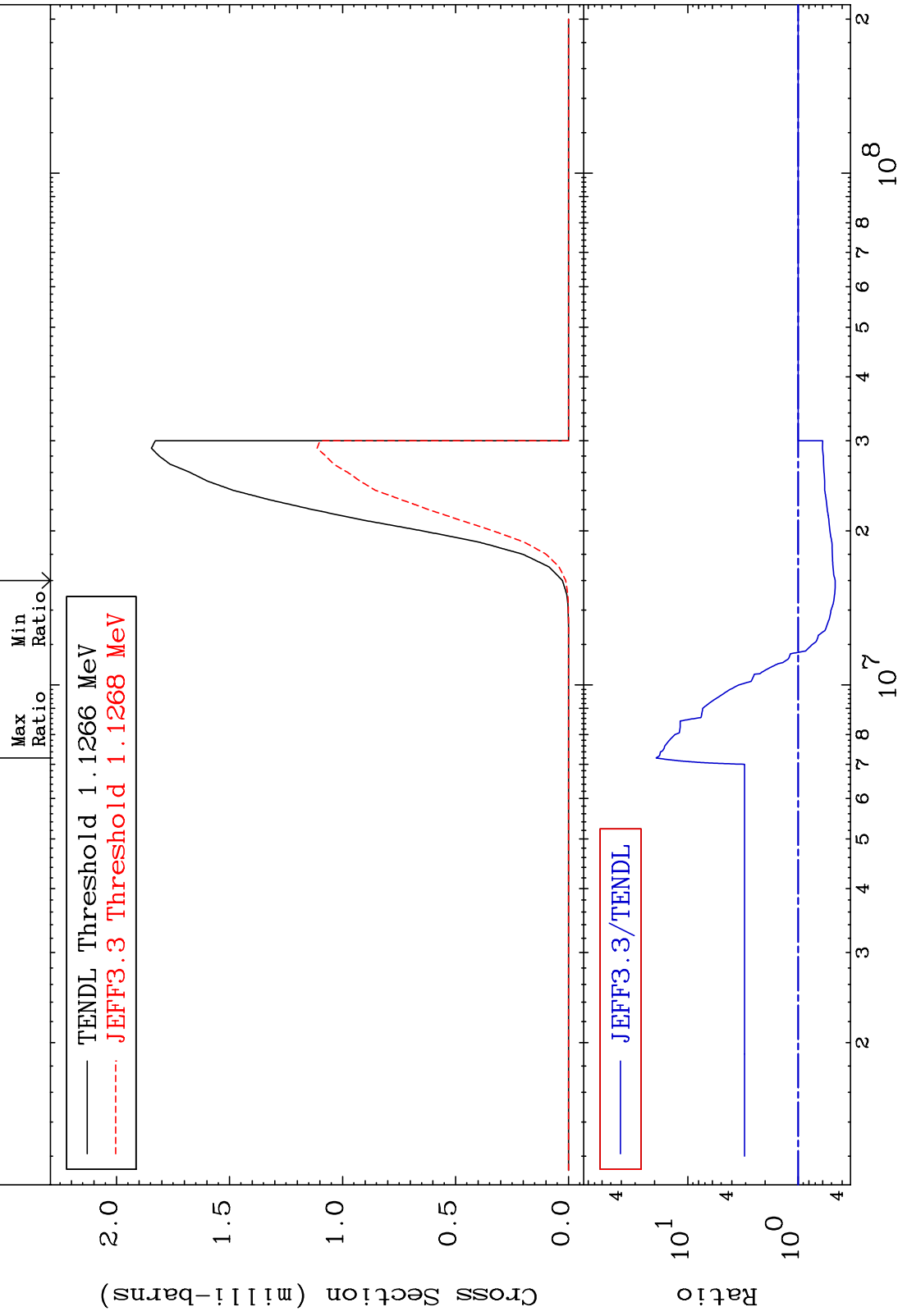
MAT 3425

(n,2α)

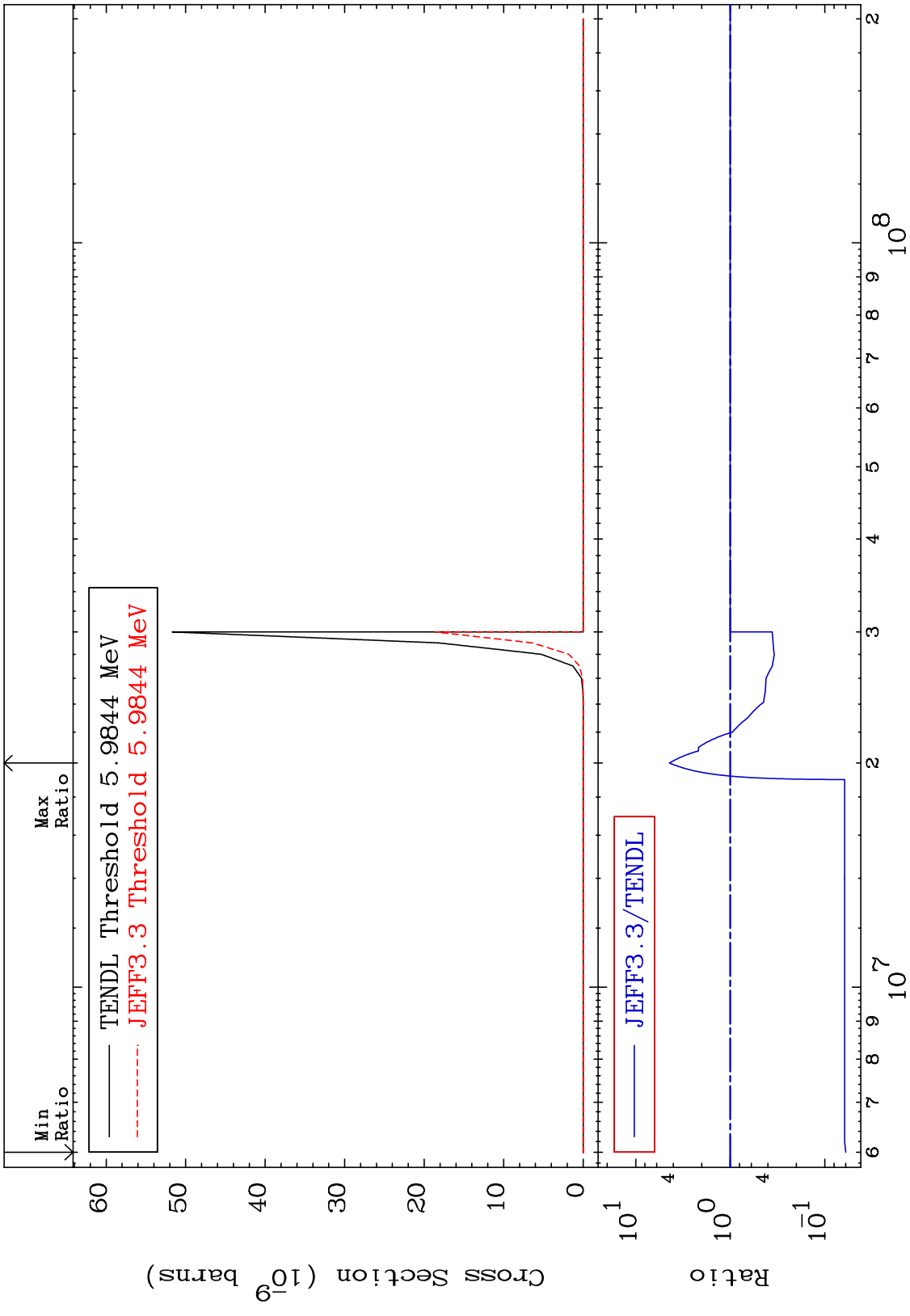
<sup>34</sup>Se-74

-53.75 To 1836. %

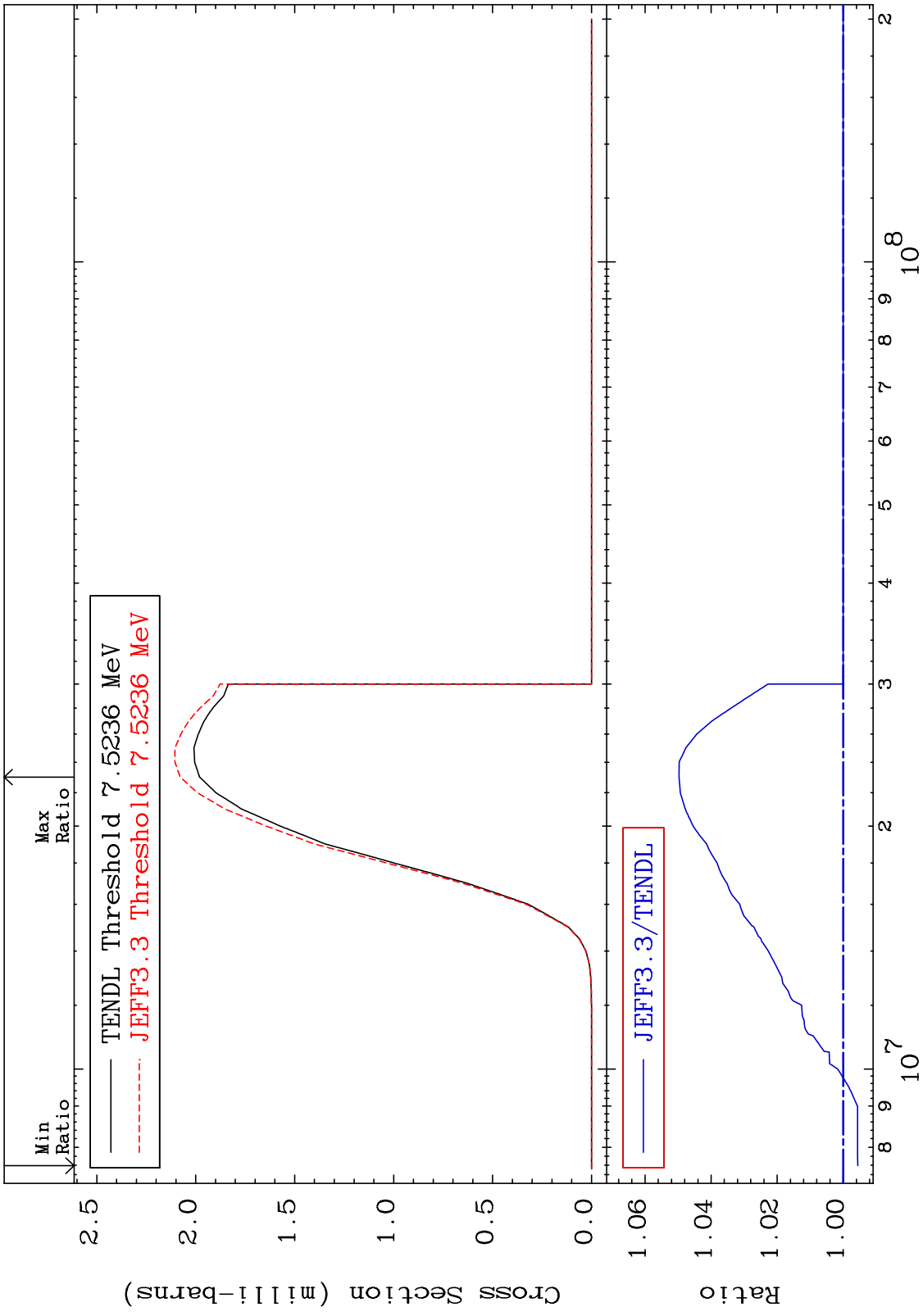
Cross Section



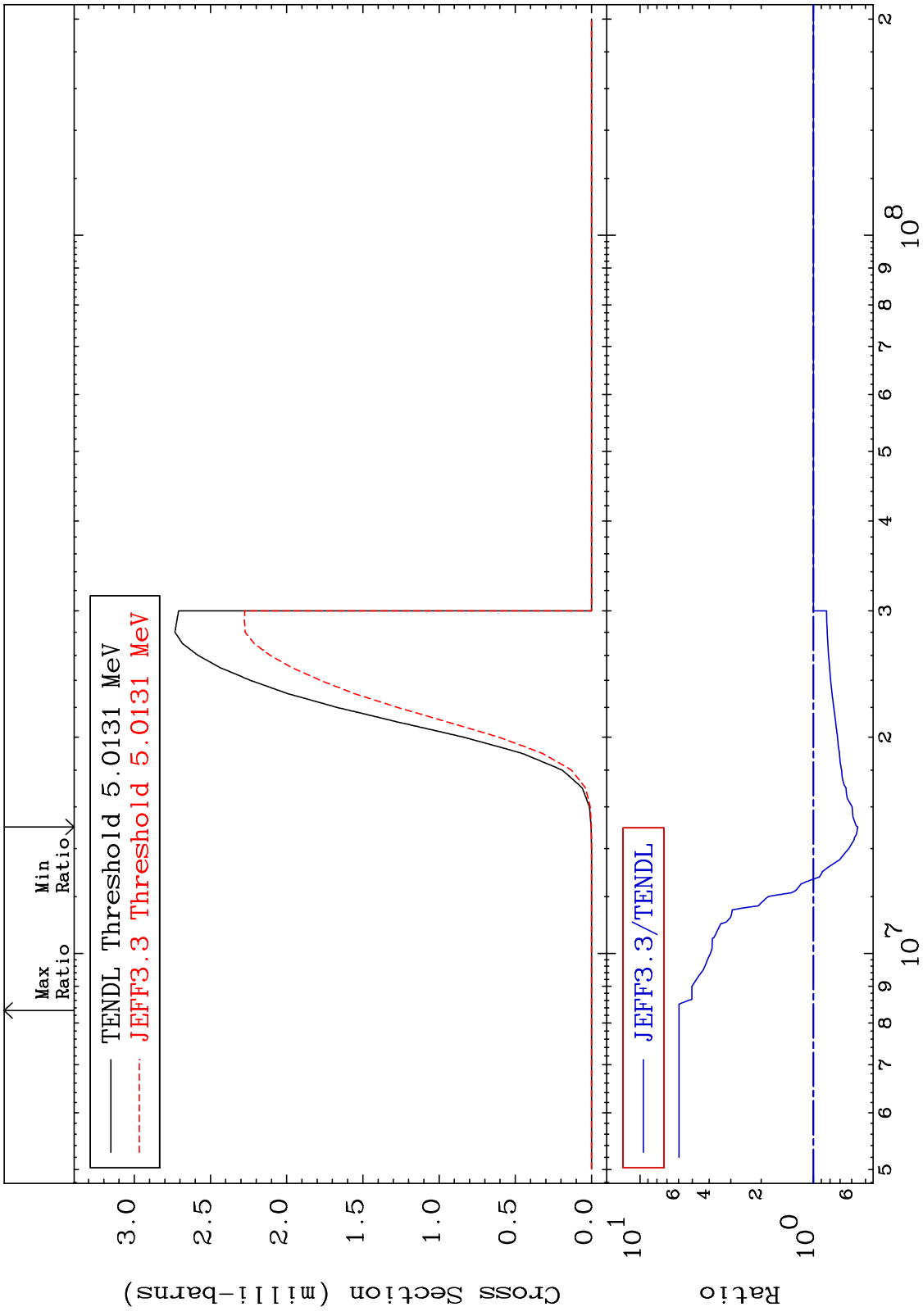
MAT 3425  $(n, 3\alpha)$  Cross Section  $^{34}\text{Se-74}$   
 -93.99 To 339.2 %



MAT 3425  $(n,2p)$  Cross Section  $^{34}\text{Se-74}$   
 -0.443 To 4.971 %

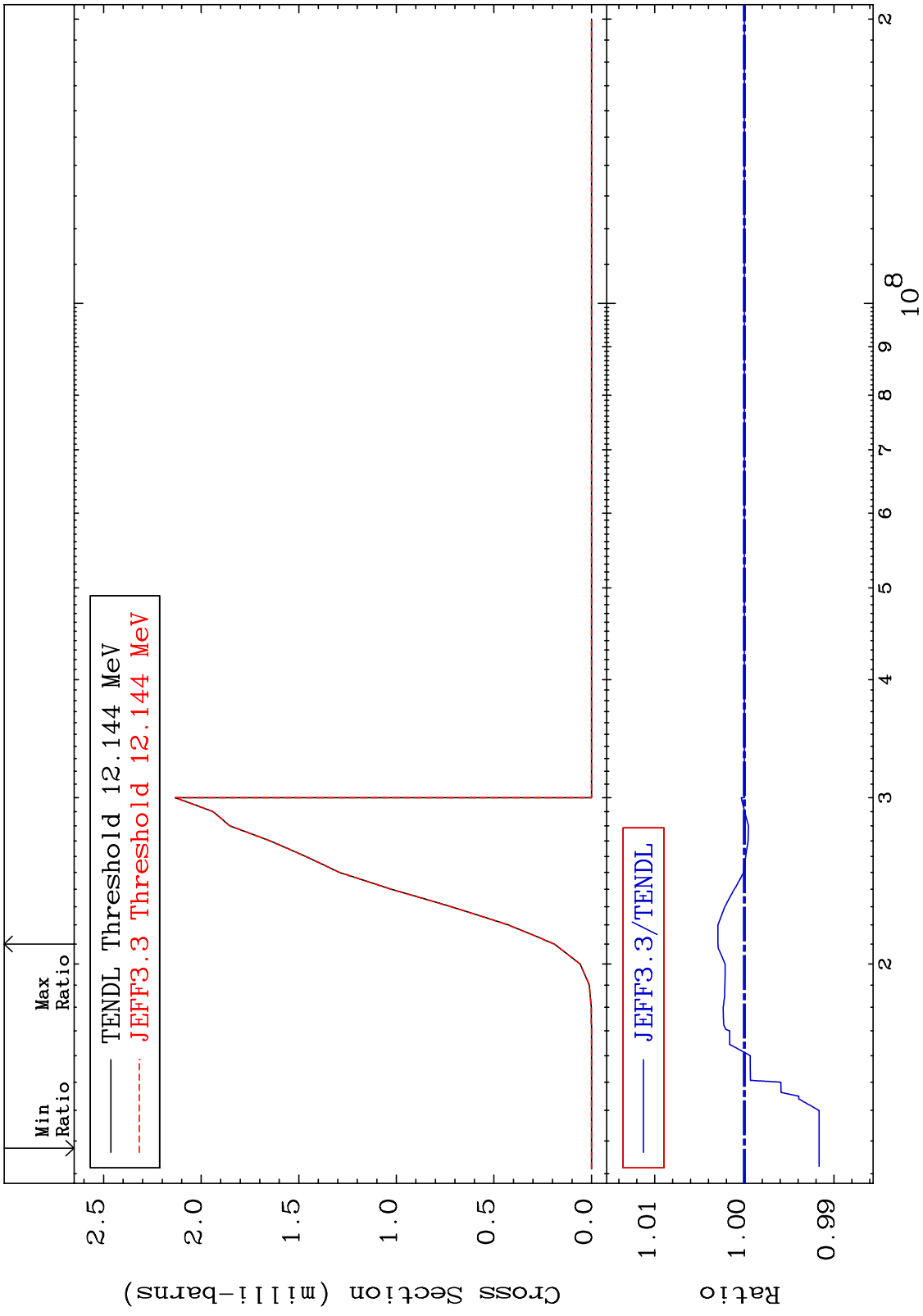


MAT 3425  $(n,p) \alpha$   $^{34}\text{Se-74}$   
 Cross Section -44.65 To 496.0 %

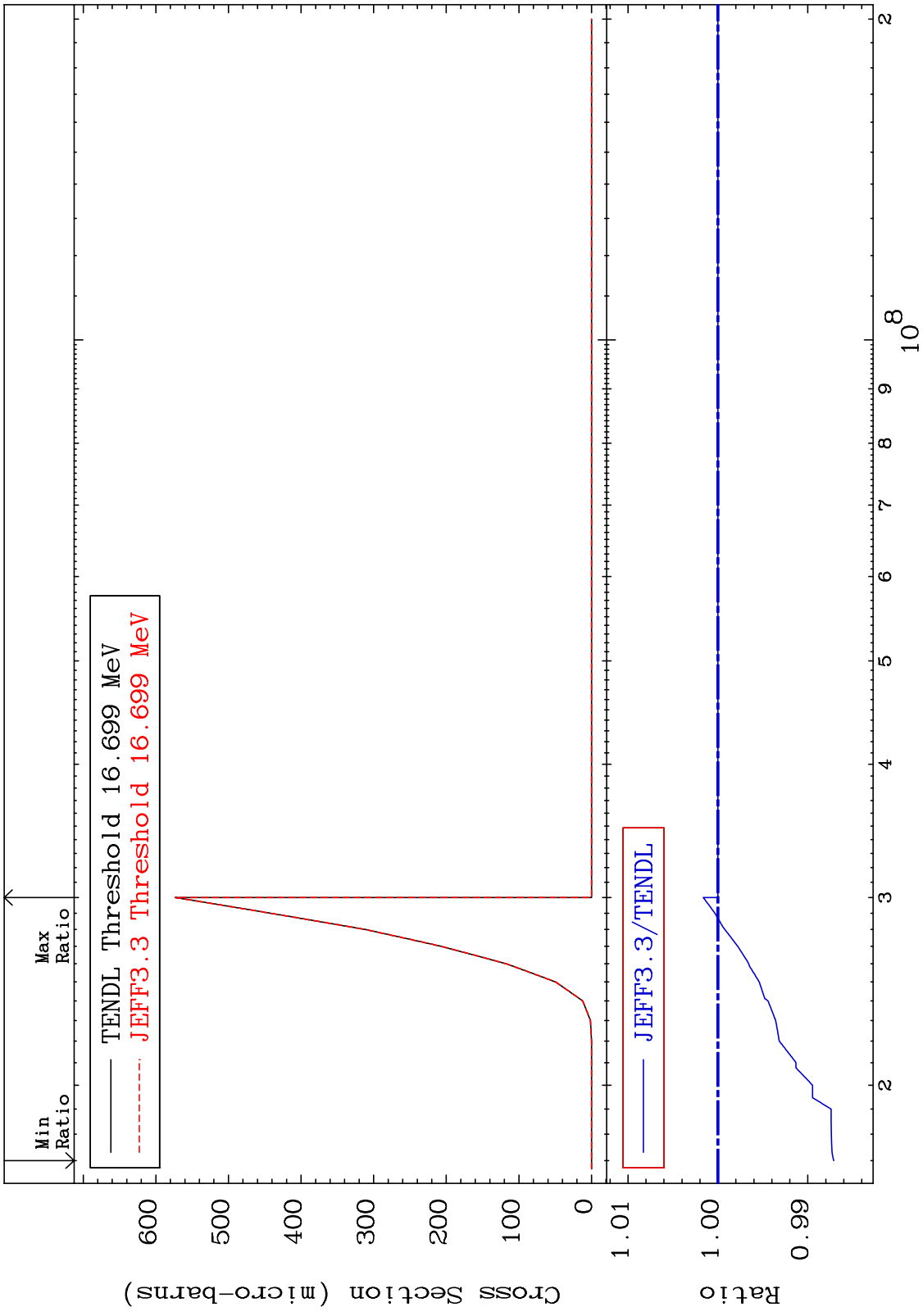


59  $^{34}\text{Se-74}$

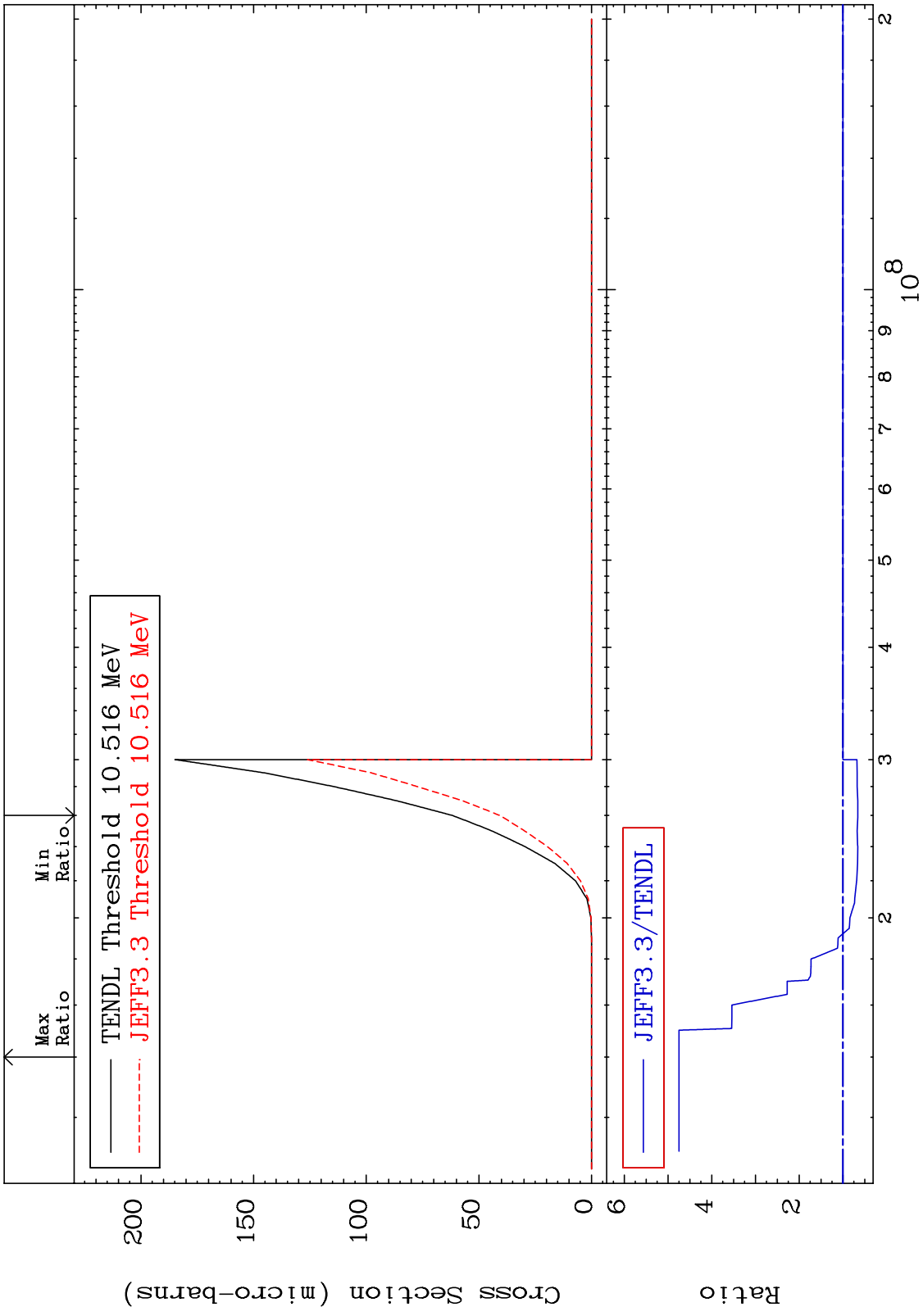
MAT 3425 (n,p) d 34-Se-74  
 Cross Section -0.833 To 0.297 %



MAT 3425 (n,p) t 34-Se-74  
 Cross Section -1.287 To 0.163 %

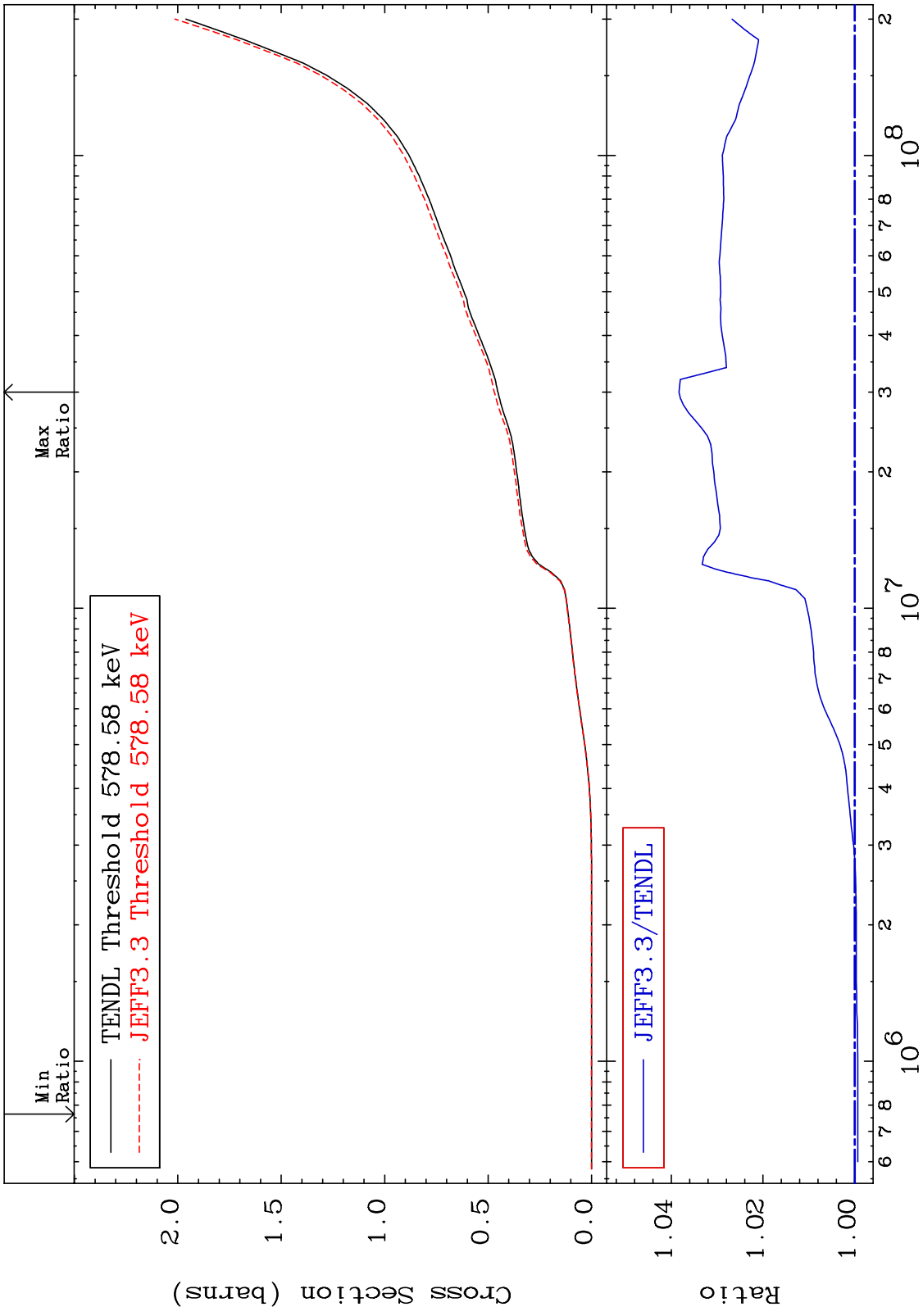


MAT 3425  $(n, d) \alpha$   $^{34}\text{Se-74}$   
 Cross Section -34.13 To 374.7 %



62 34-Se-74

MAT 3425 Hydrogen Production Cross Section  $^{34}\text{Se-74}$  -0.067 To 3.831 %

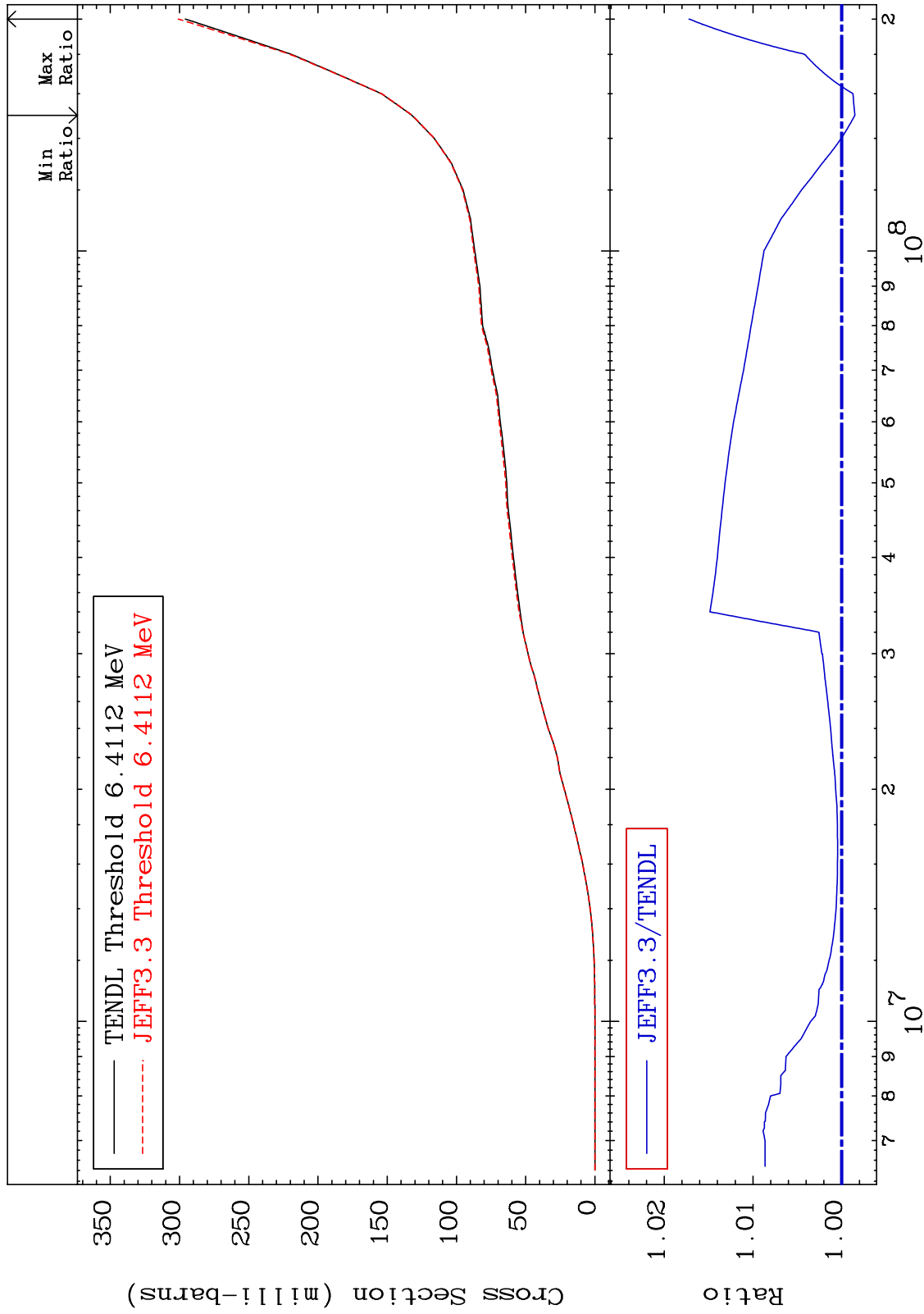


63  $^{34}\text{Se-74}$

MAT 3425

Deuterium Production  
Cross Section

34-Se-74  
-0.148 To 1.722 %

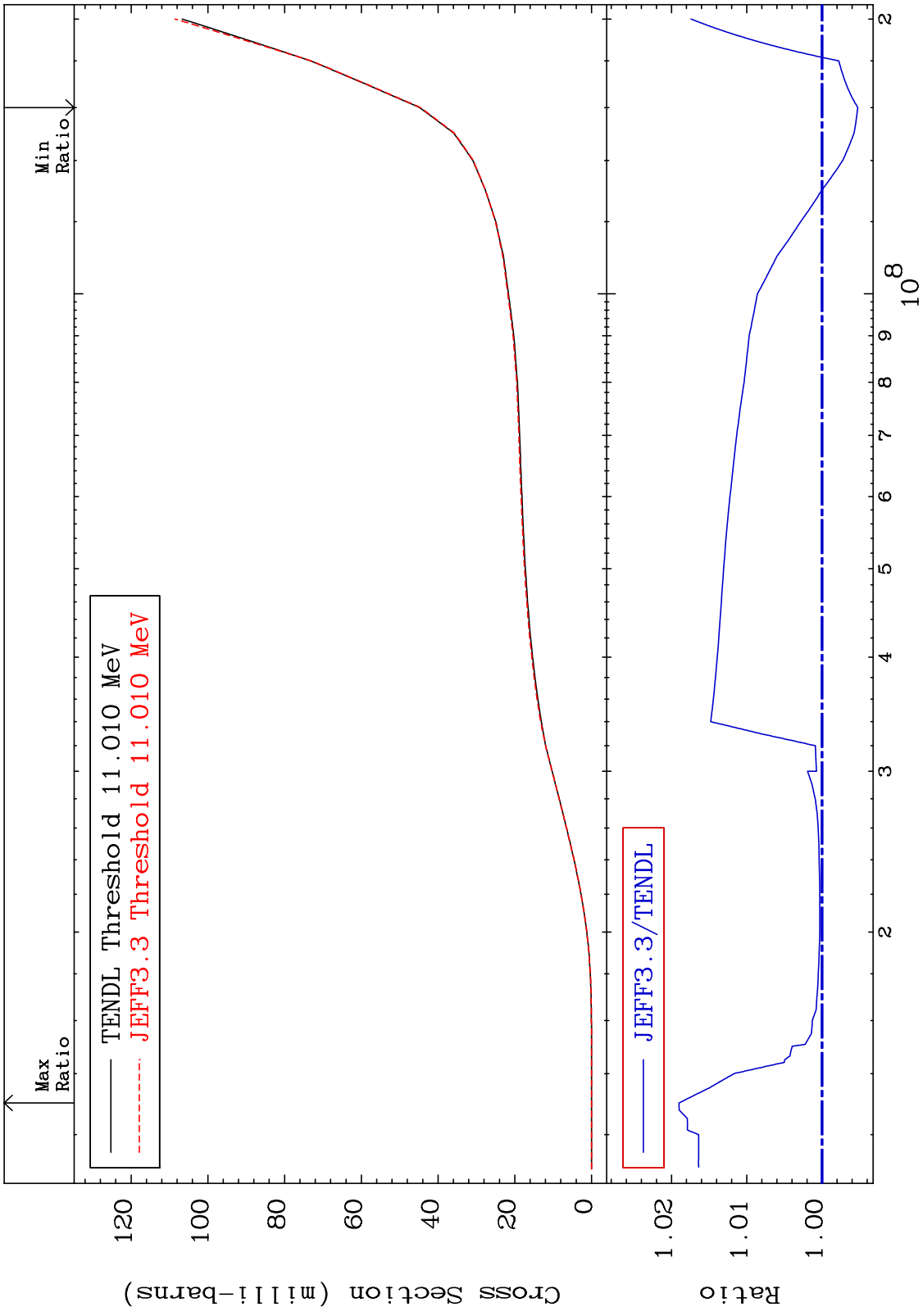


64

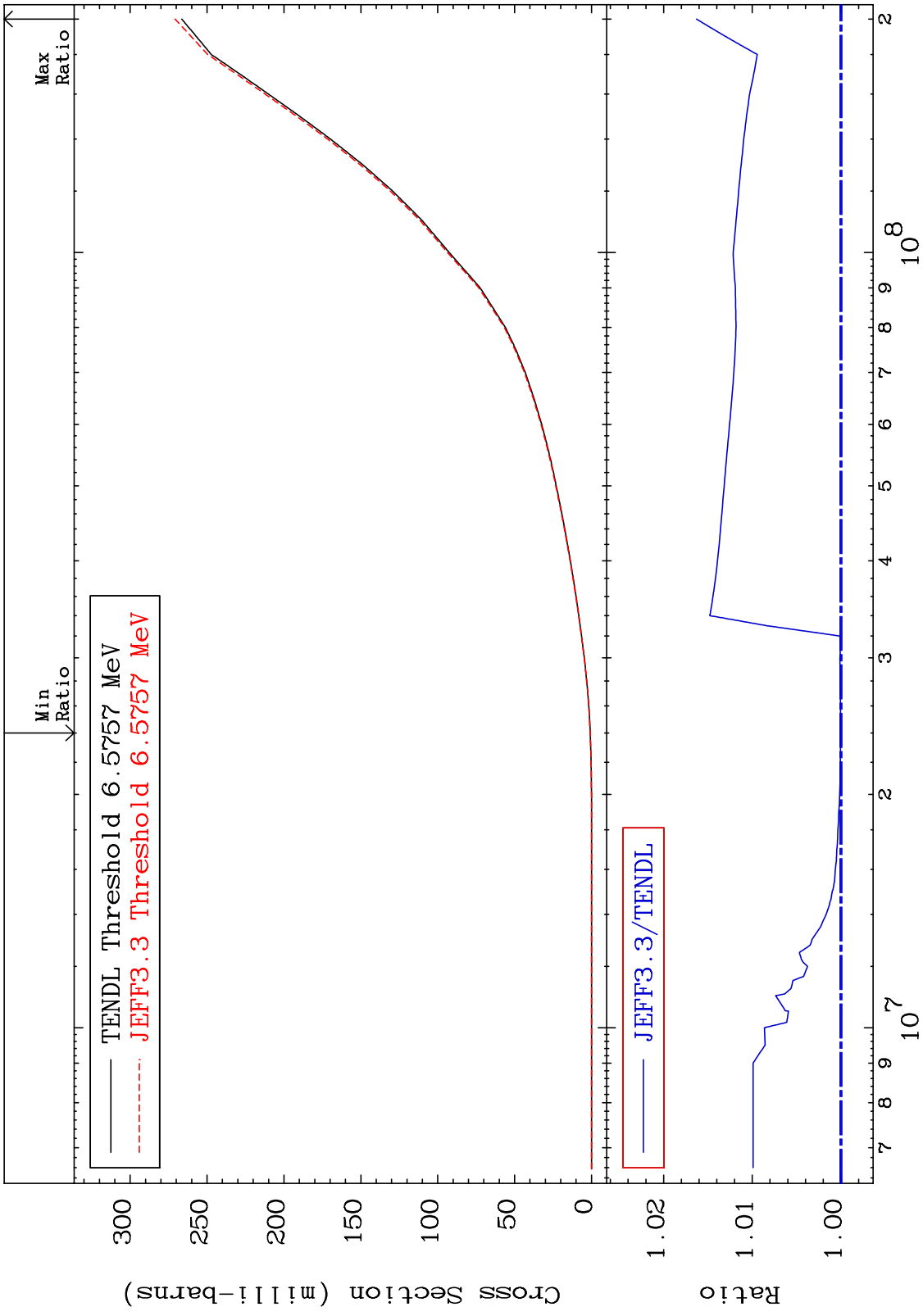
Incident Energy (eV)

34-Se-74

MAT 3425 Tritium Production Cross Section 34-Se-74  
 -0.475 To 1.899 %



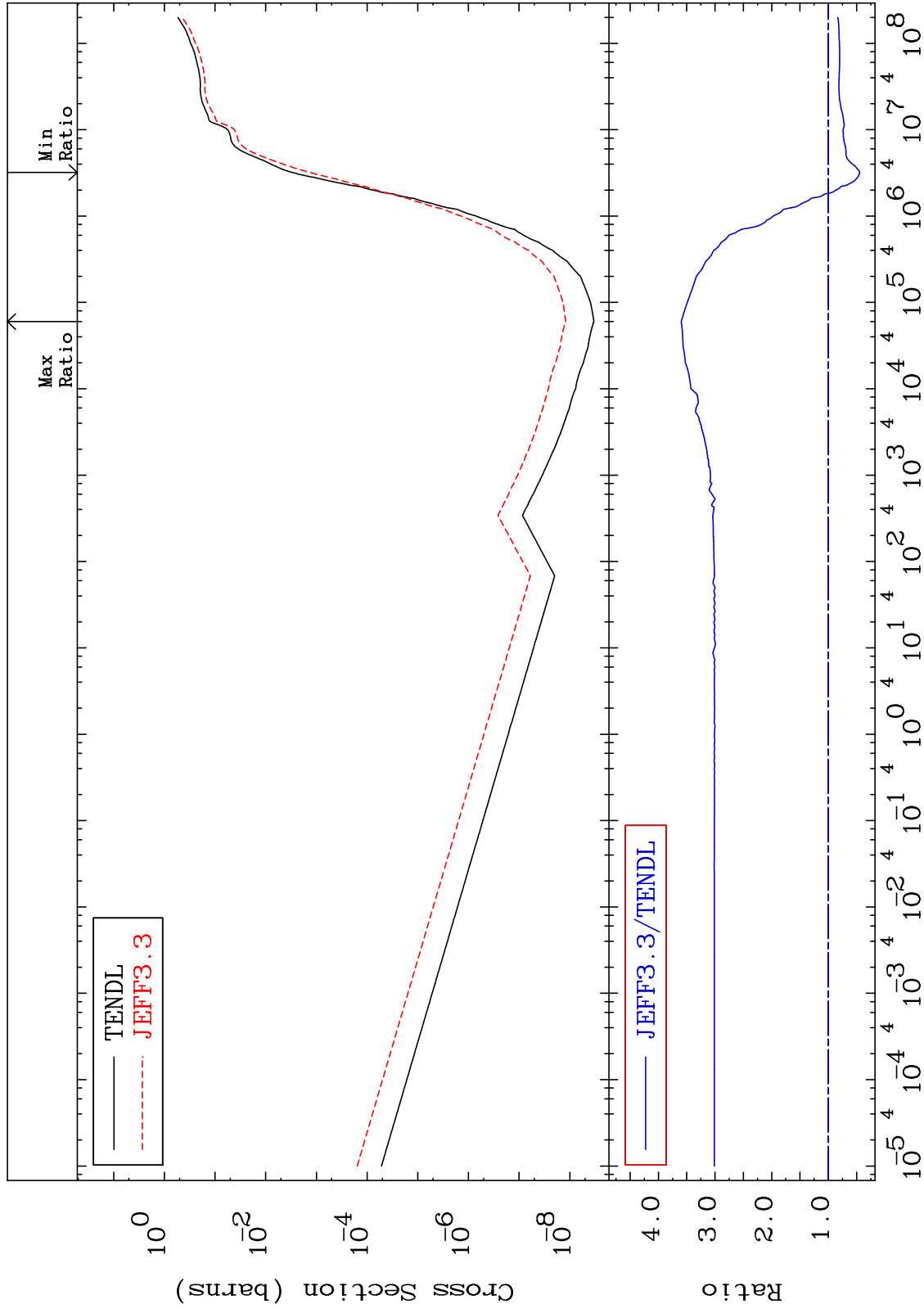
MAT 3425 He-3 Production Cross Section 34-Se-74 To 1.630 %



MAT 3425

He-4 Production  
Cross Section

34-Se-74  
-55.61 To 259.7 %

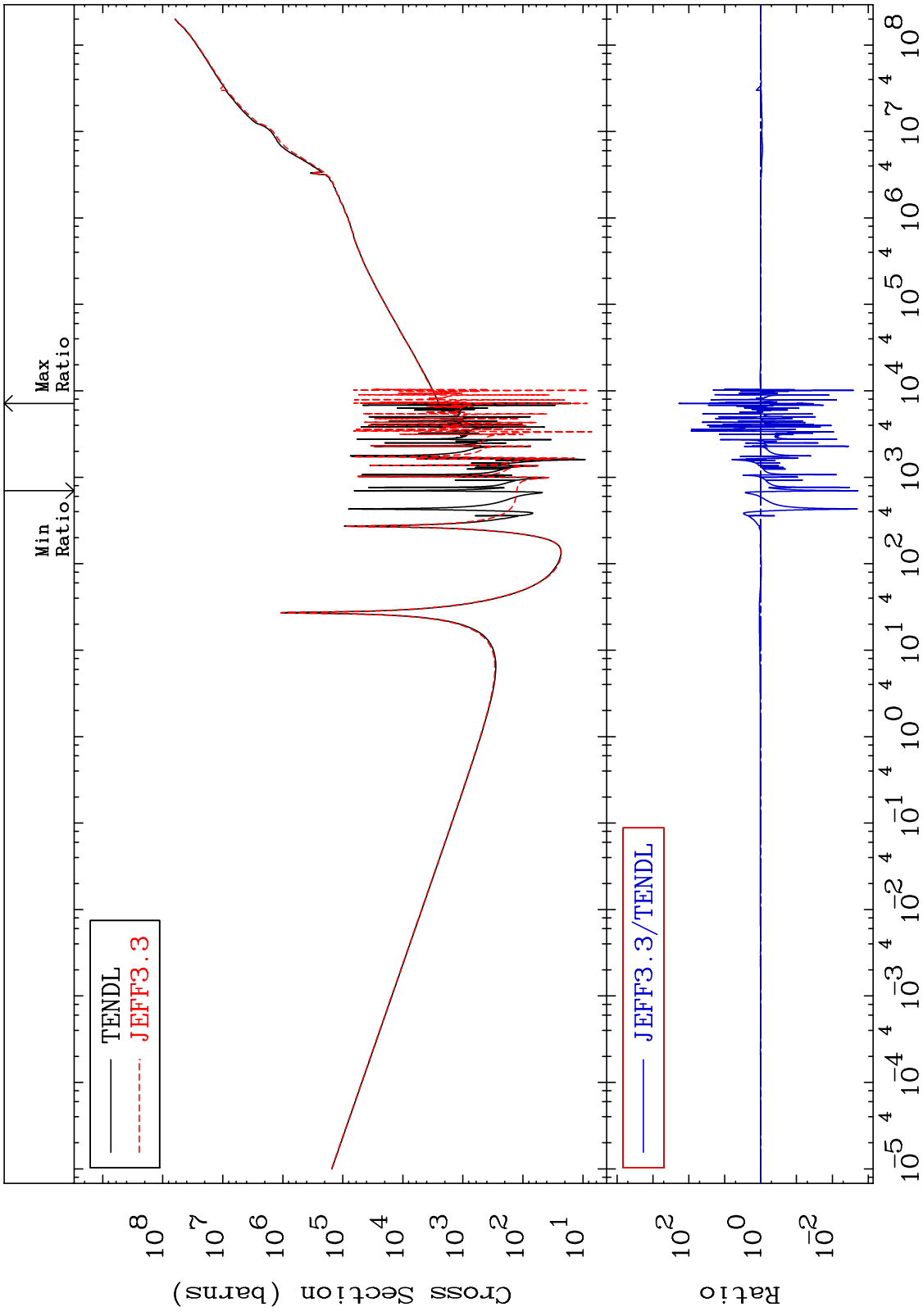


67

Incident Energy (eV)

34-Se-74

MAT 3425 Kerma total (eV-barns) 34-Se-74  
 Cross Section -99.81 To 9999. %

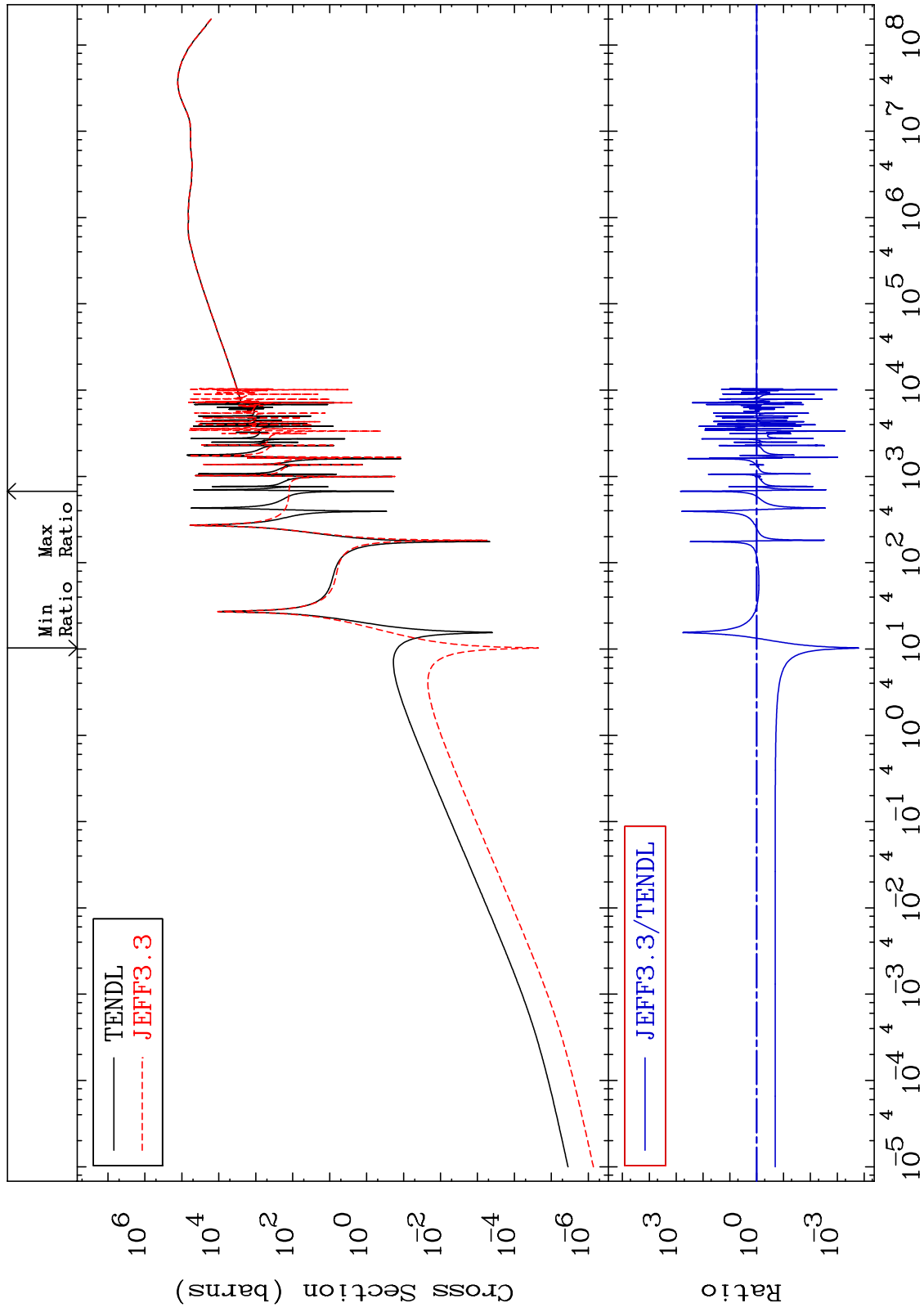


Incident Energy (eV) 34-Se-74

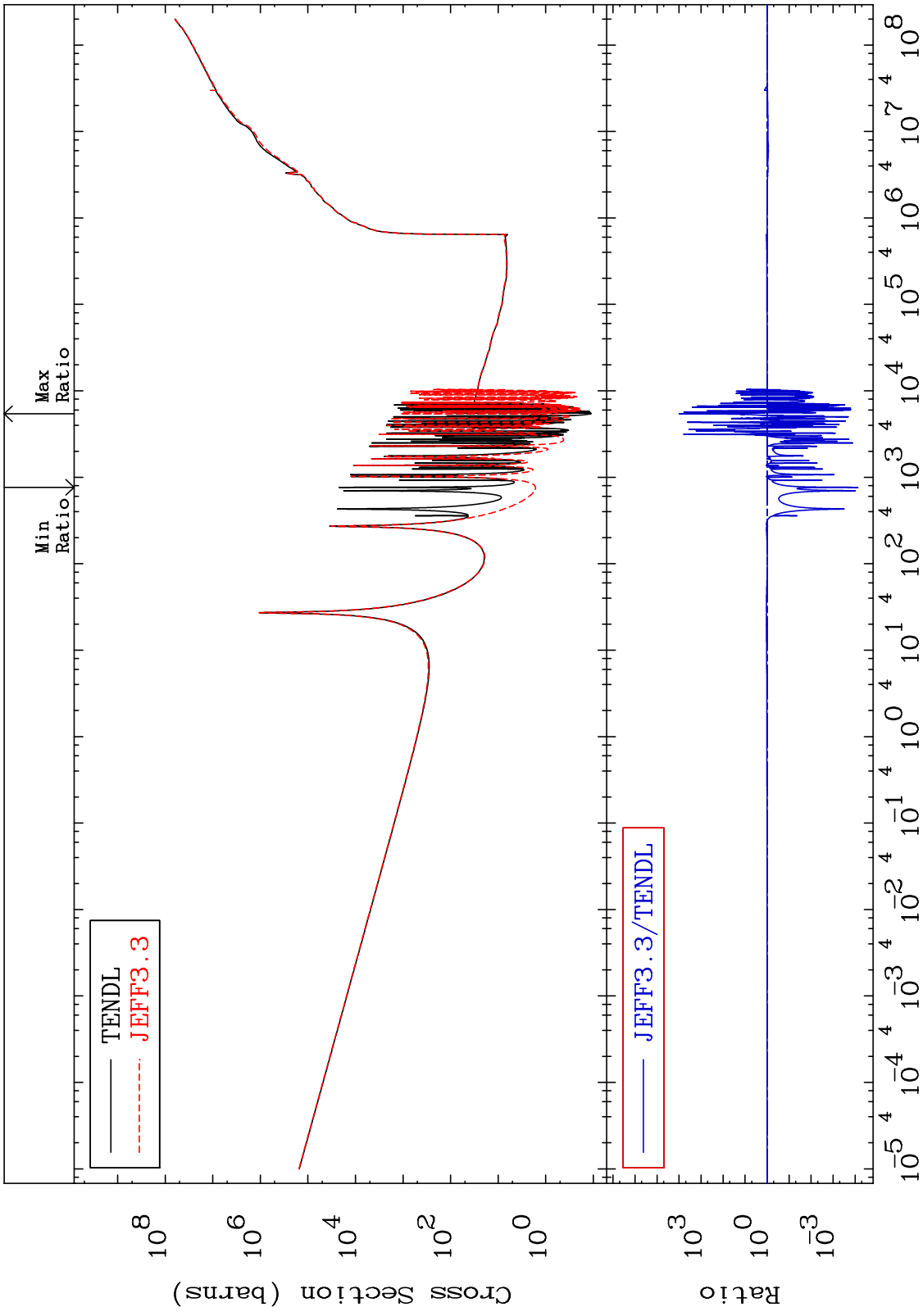
MAT 3425

Kerma elastic  
Cross Section

34-Se-74  
-99.98 To 9999. %

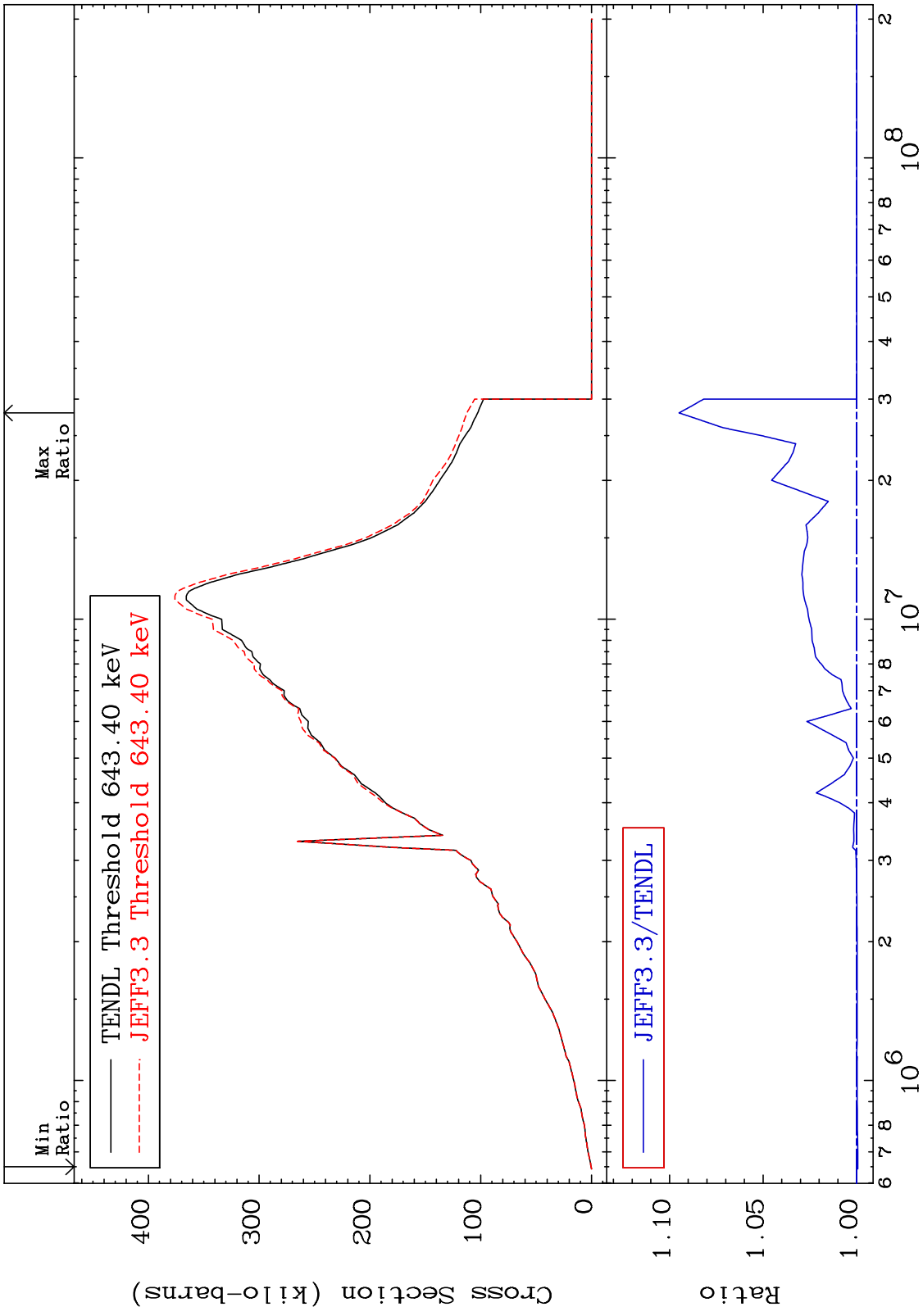


MAT 3425 Kerma non-elastic (all but mt2) Cross Section 34-Se-74  
 -99.99 To 9999. %



70 34-Se-74

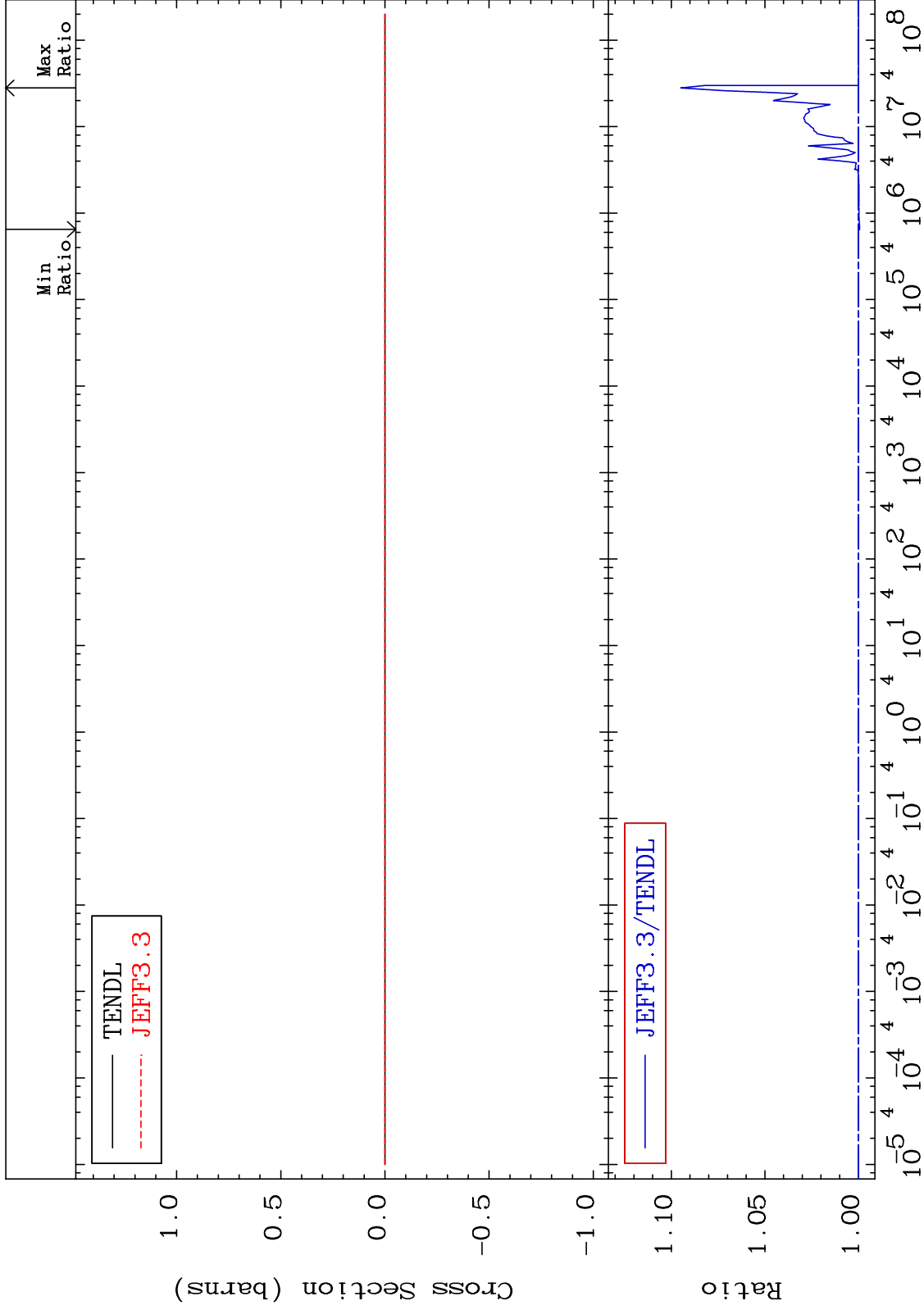
MAT 3425 Kerma inelastic (mt51-91) 34-Se-74  
 -0.066 To 9.492 %



MAT 3425

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

34-Se-74  
-0.066 To 9.492 %



72

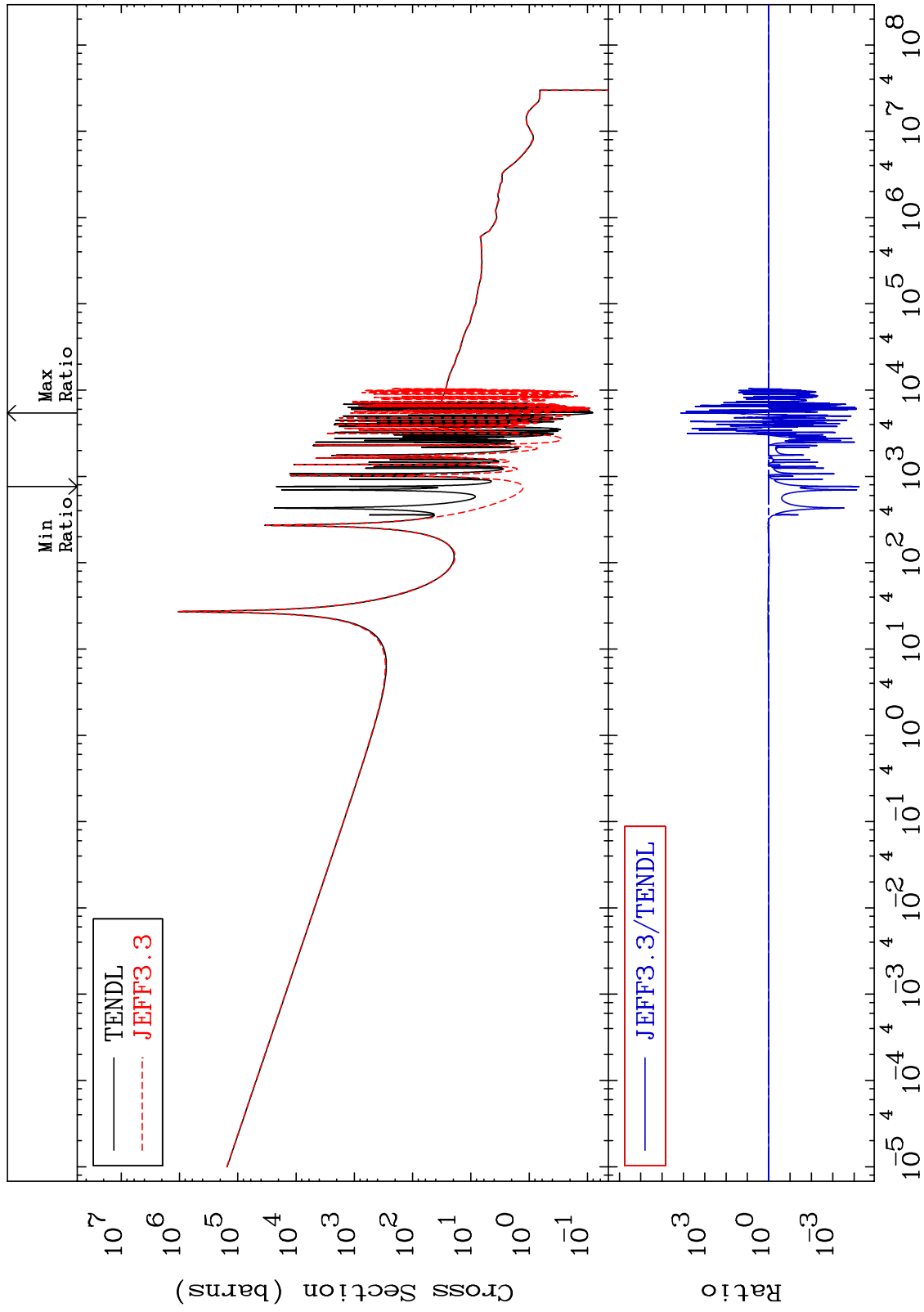
Incident Energy (eV)

34-Se-74

MAT 3425

Kerma capture (mt102)  
Cross Section

34-Se-74  
-99.99 To 9999. %



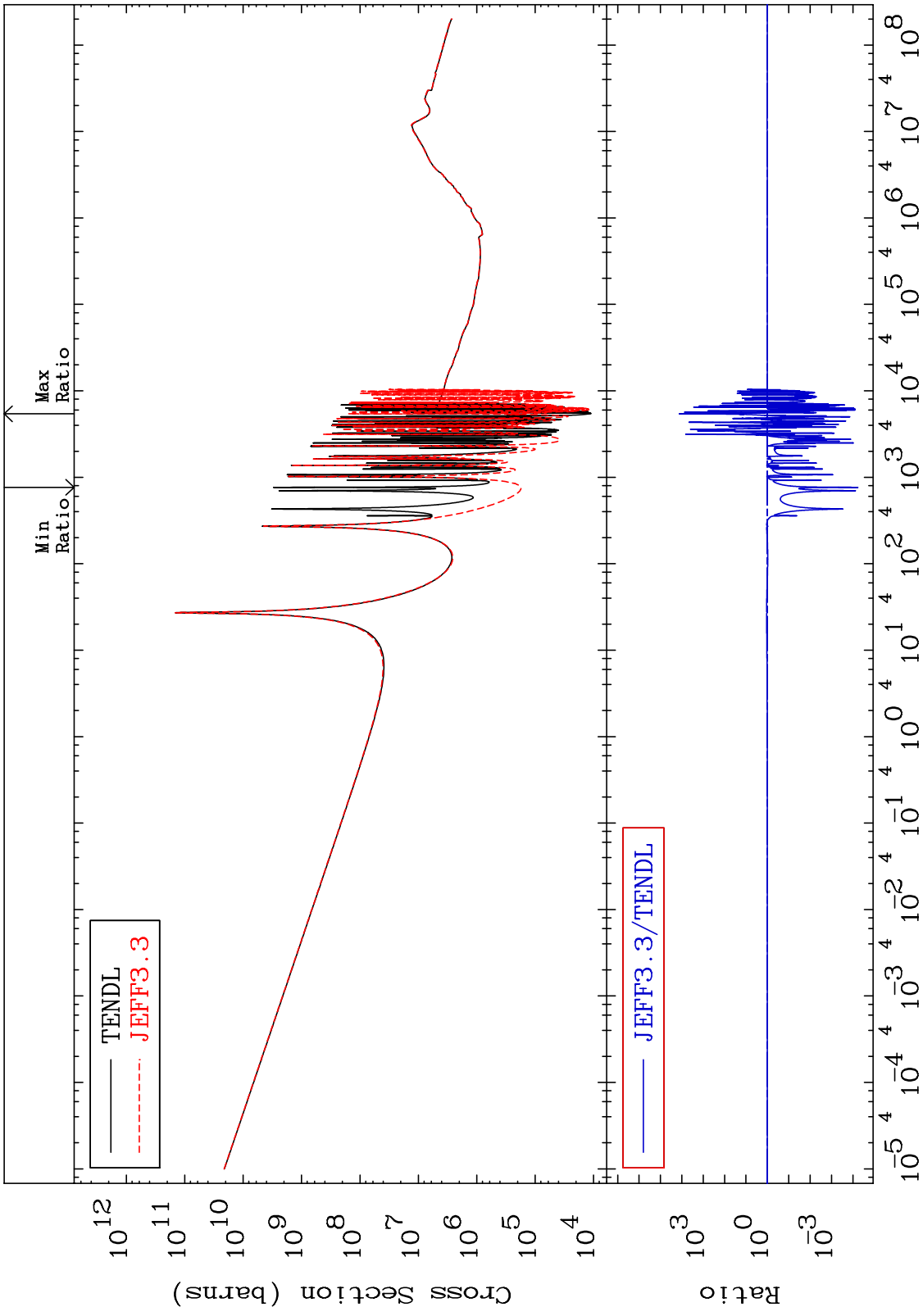
73

Incident Energy (eV)

34-Se-74

MAT 3425 34-Se-74 -99.99 To 9999. %

Total photon (eV-barns)  
Cross Section

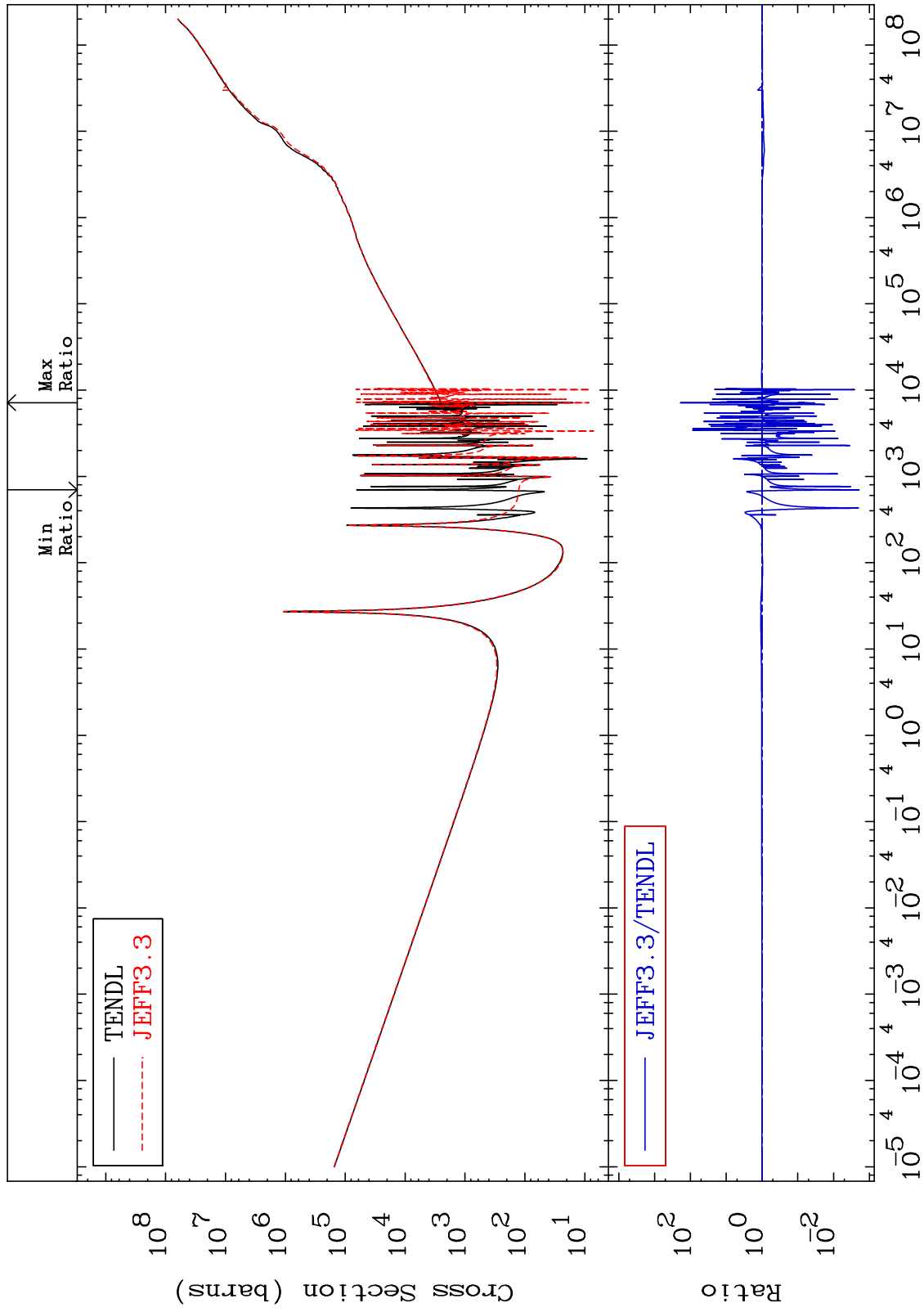


74 34-Se-74

MAT 3425

Total kinematic kerma (high limit)  
Cross Section

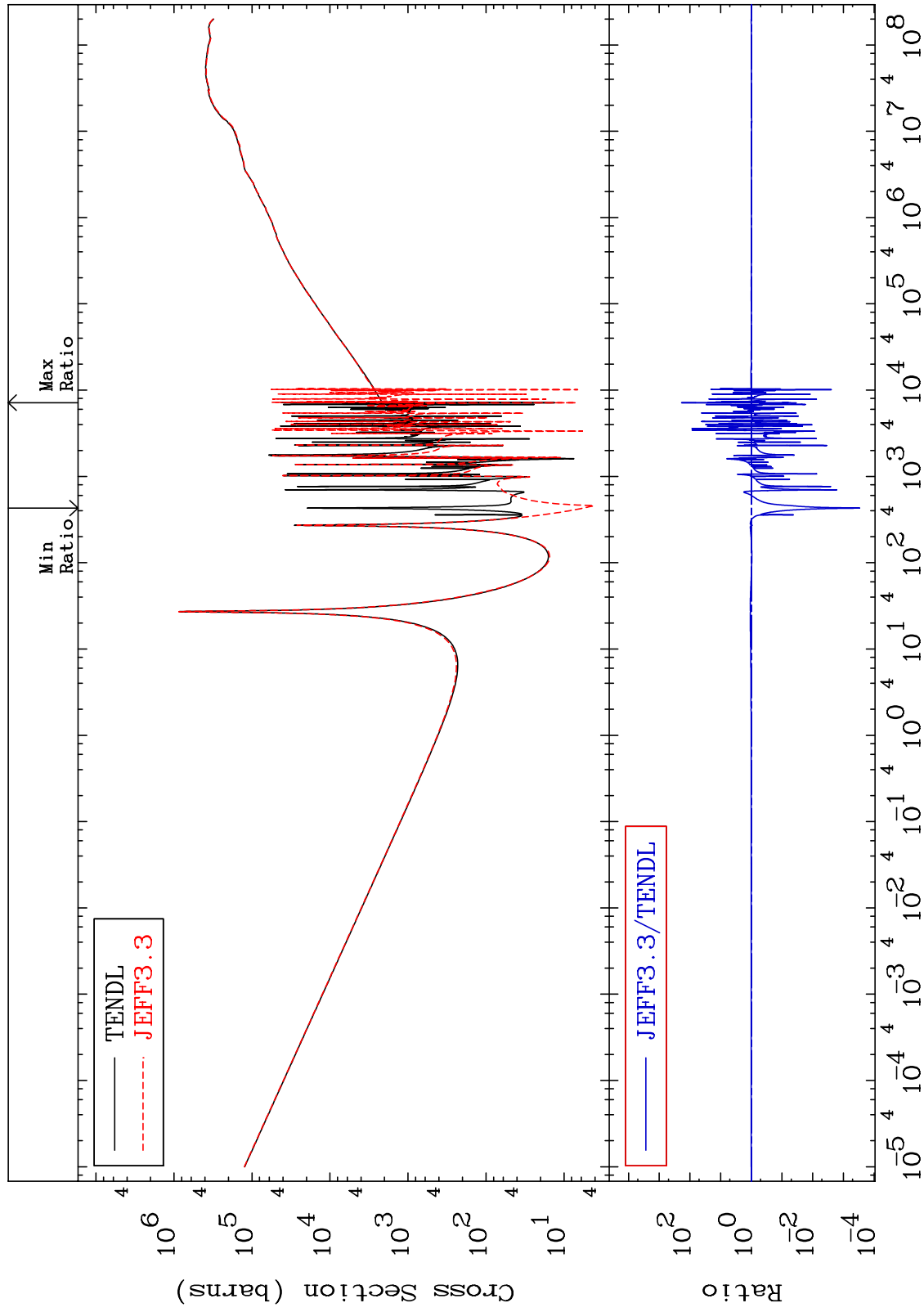
34-Se-74  
-99.81 To 9999. %



MAT 3425

Dpa total (eV-barns)  
Cross Section

34-Se-74  
-99.97 To 9999. %



76

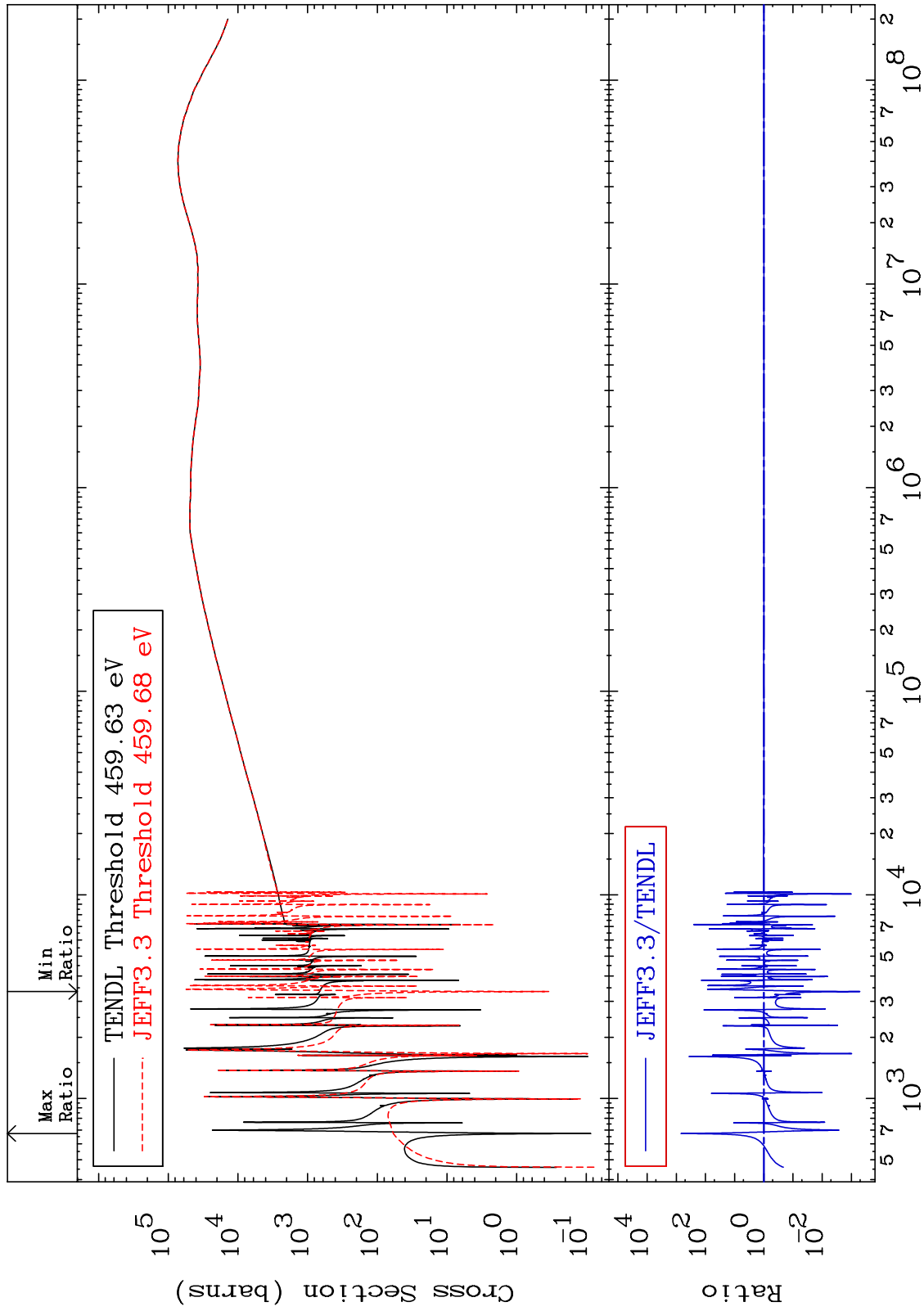
Incident Energy (eV)

34-Se-74

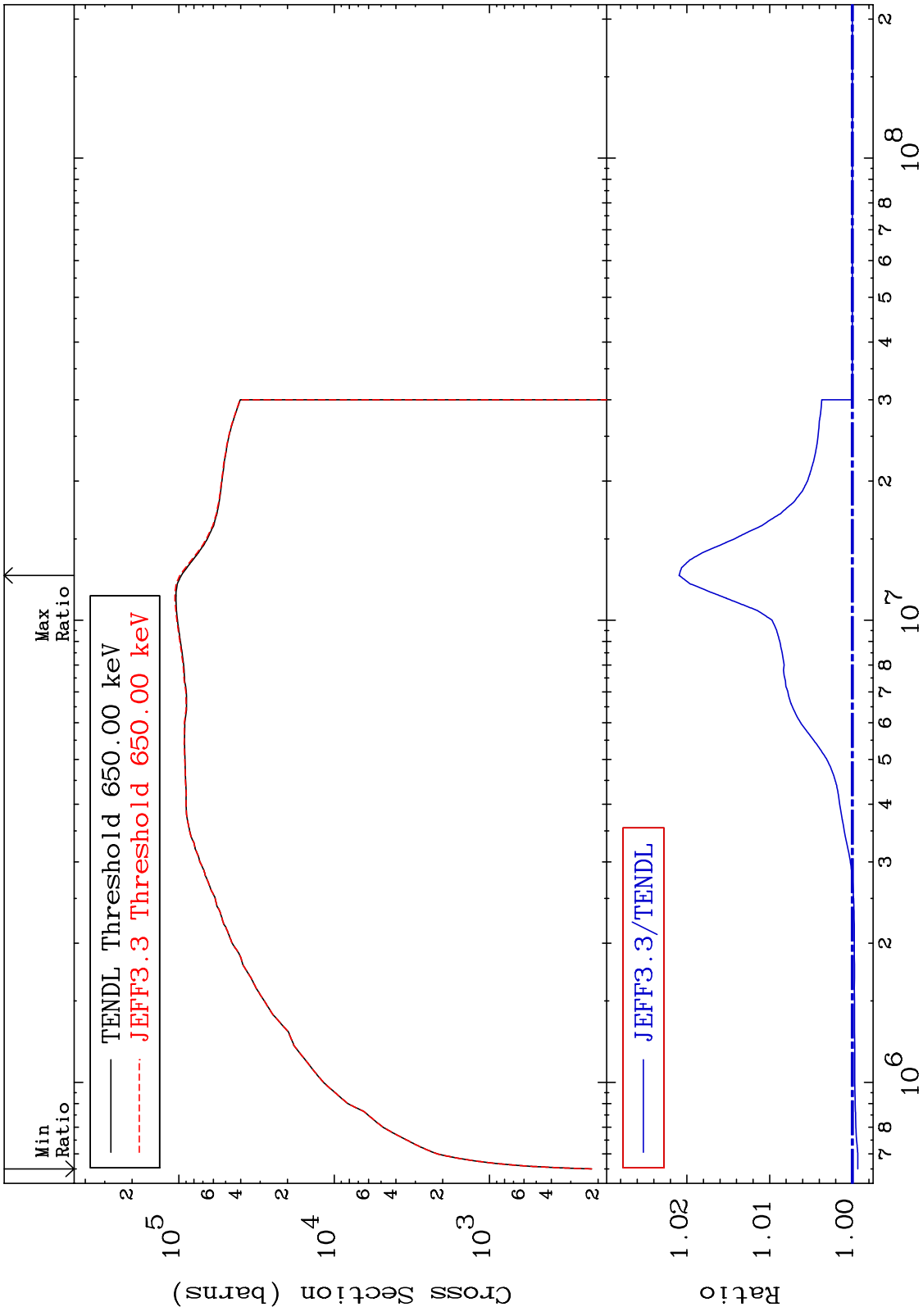
MAT 3425

Dpa elastic (mt2)  
Cross Section

34-Se-74  
-99.95 To 9999. %



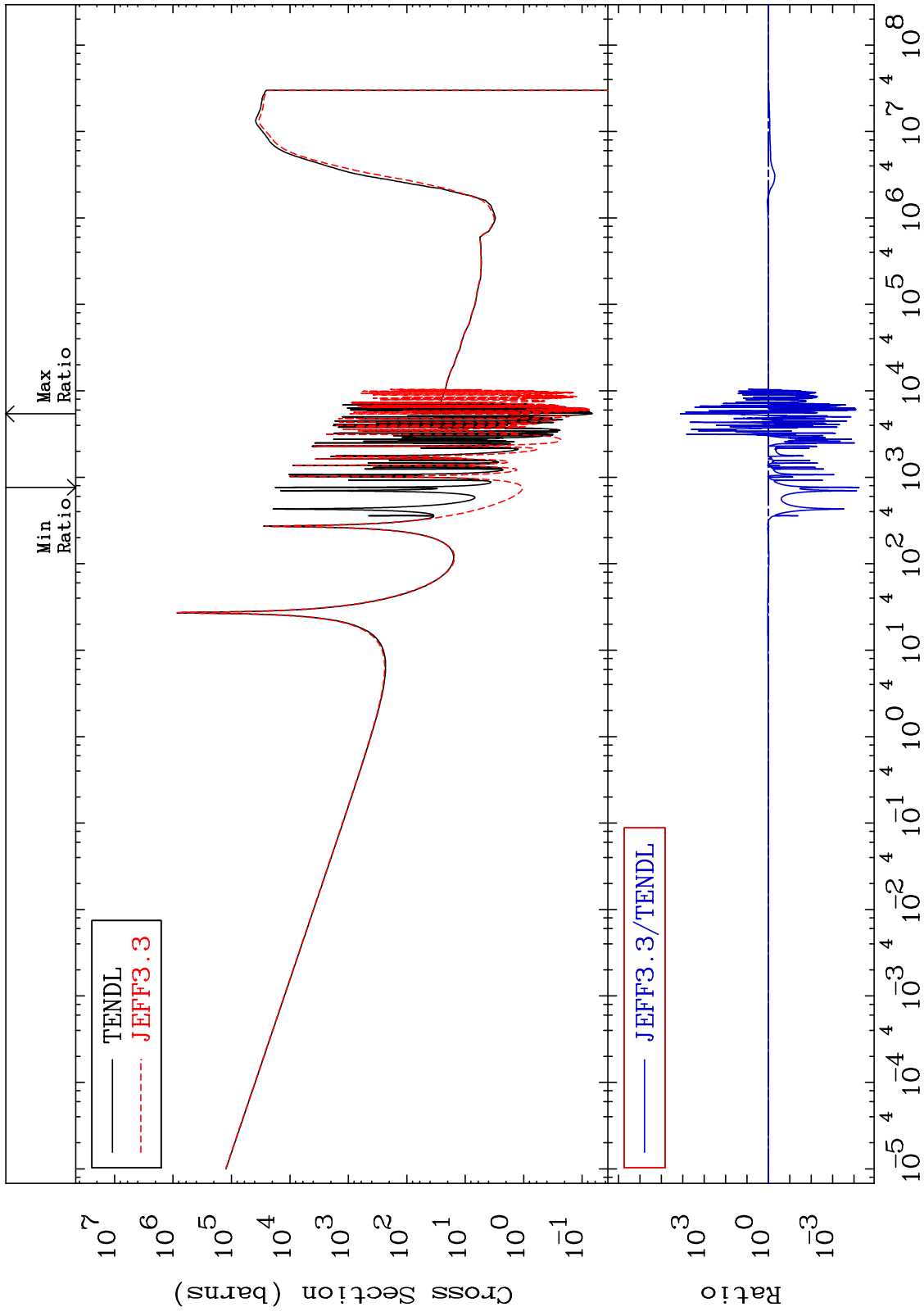
MAT 3425 Dpa inelastic (mt51-91) 34-Se-74  
 Cross Section -0.066 To 2.095 %



MAT 3425

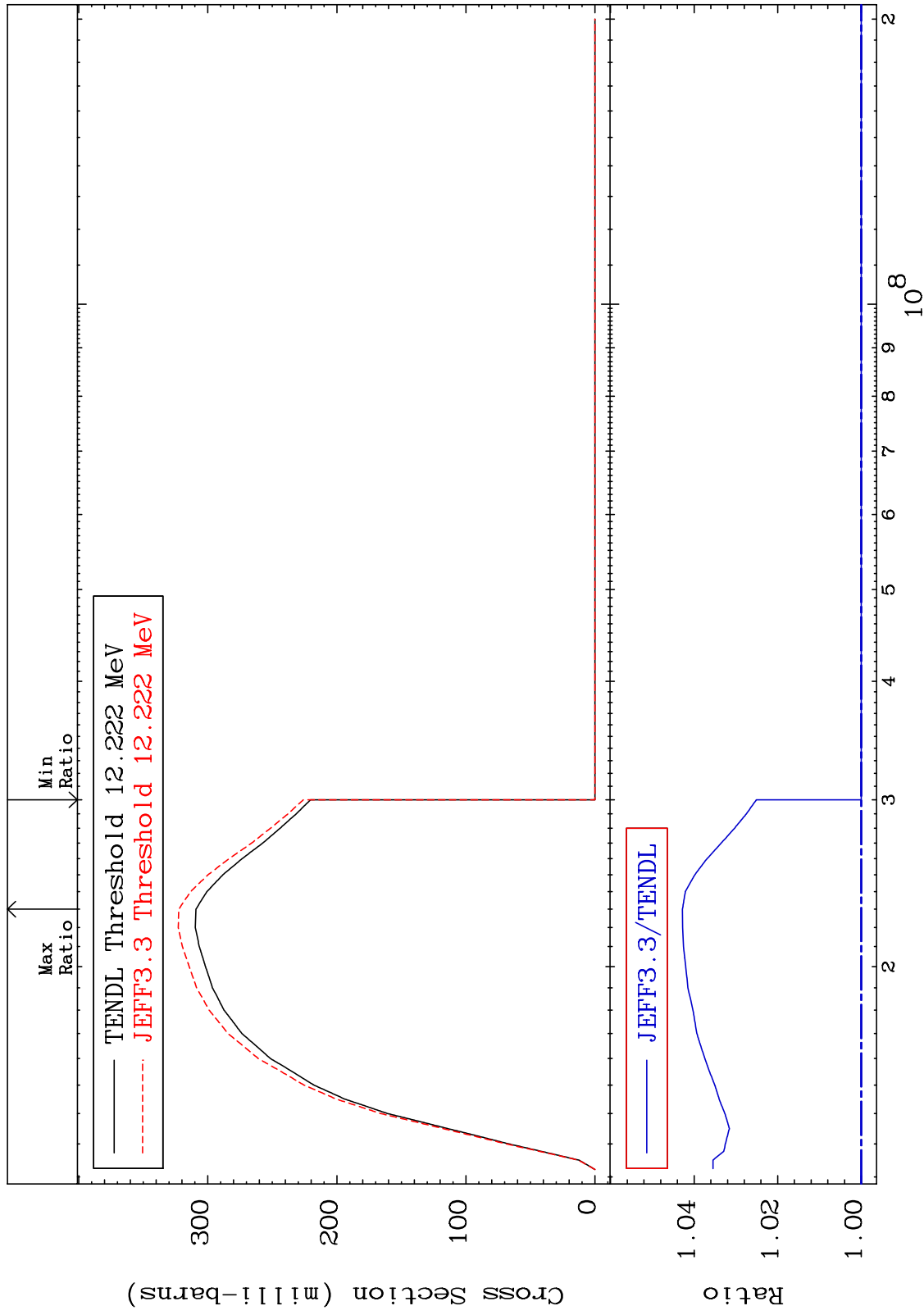
Dpa disappearance (mt102 -120)  
Cross Section

34-Se-74  
-99.99 To 9999. %

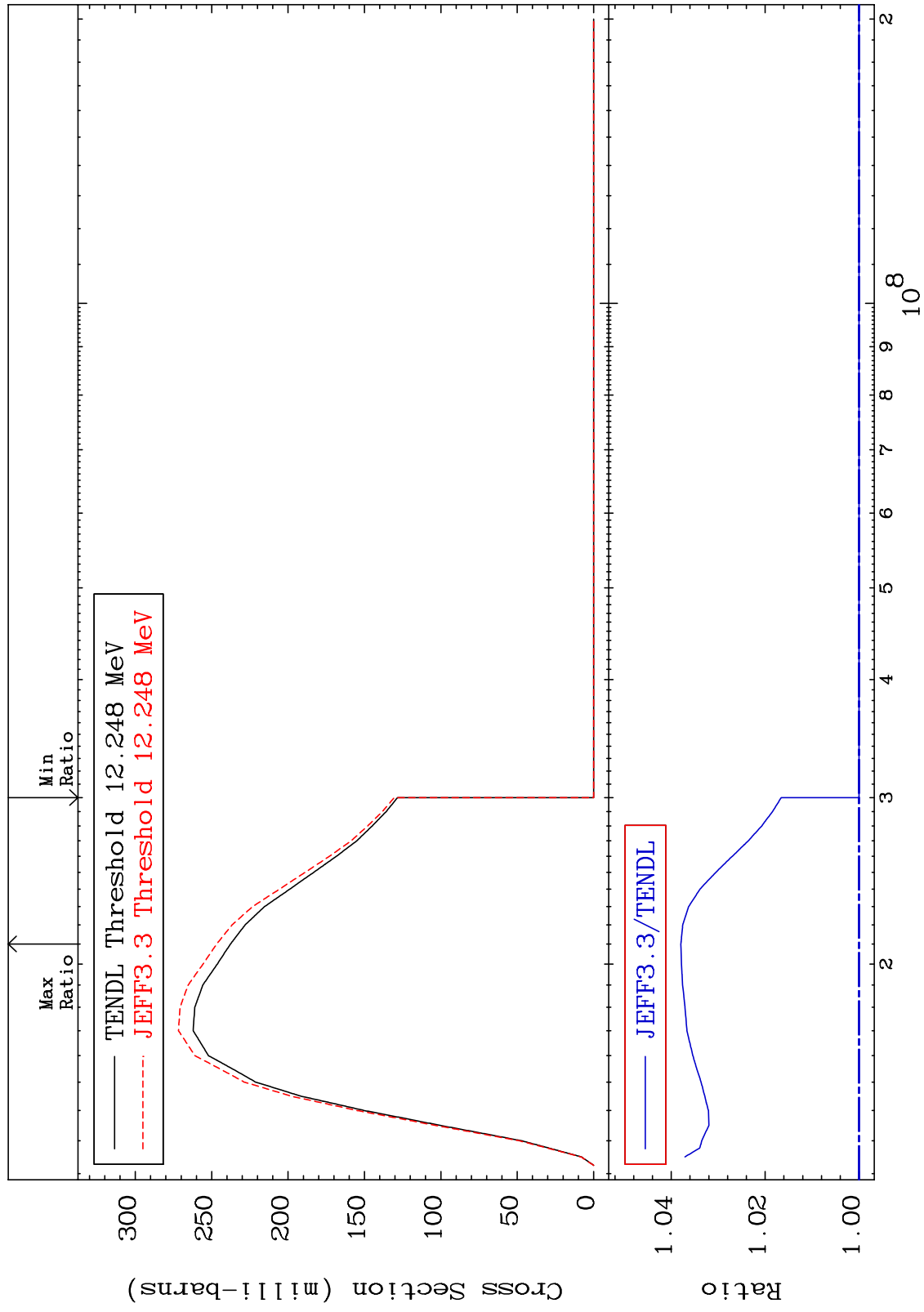


MAT 3425

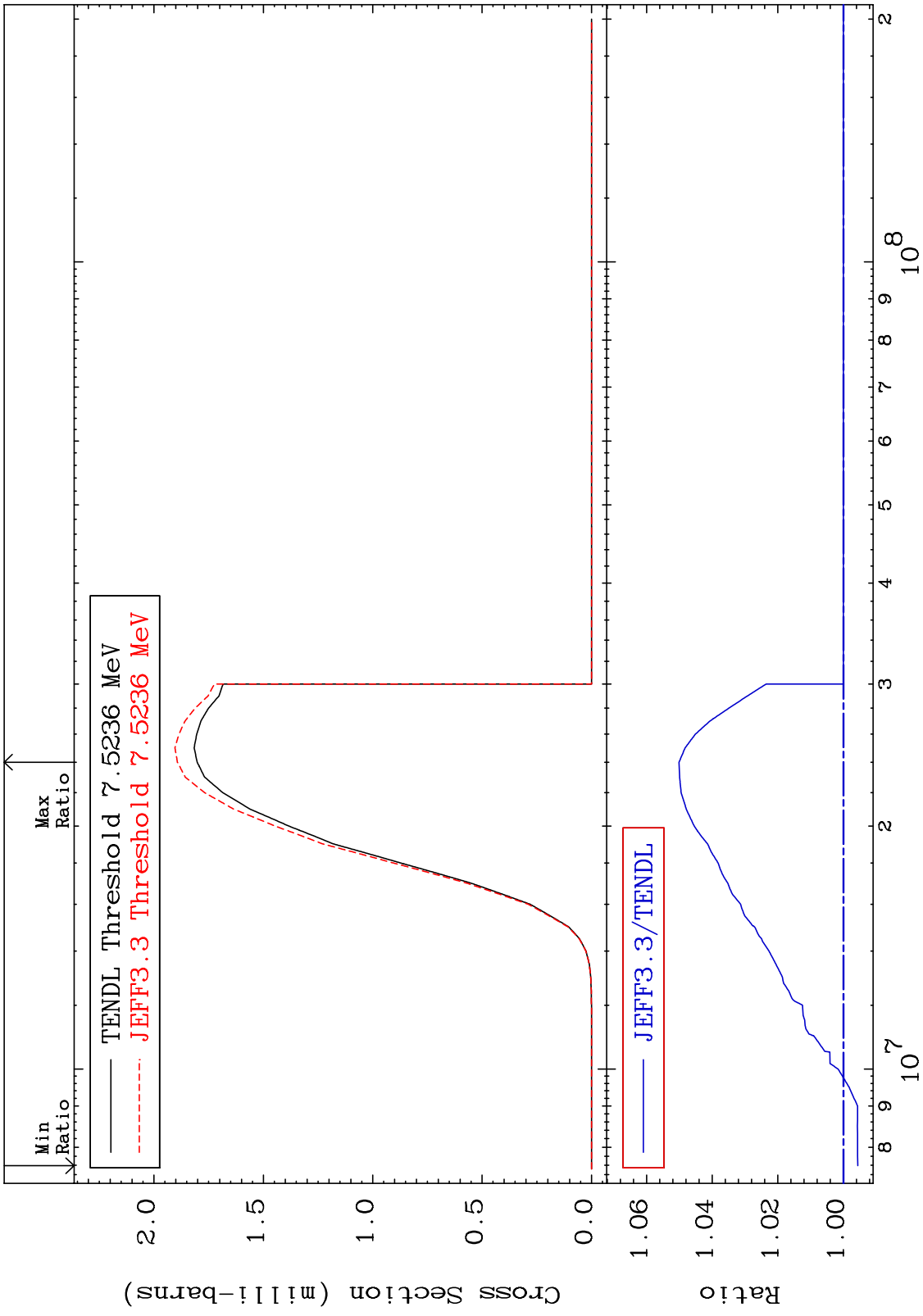
(n,2n):34-Se-73g 34-Se-74  
Radionuclide Production Cross Section 0.000 To 4.279 %



MAT 3425 (n,2n):34-Se-73m1 34-Se-74  
 Radionuclide Production Cross Section 0.000 To 3.796 %



MAT 3425 (n,2p):32-Ge-73g 34-Se-74  
 Radionuclide Production Cross Section -0.439 To 5.012 %



MAT 3425

(n,2p):32-Ge-73m2

34-Se-74

Radionuclide Production Cross Section -0.480 To 4.815 %

