

Program Complot  
(Version 2018-1)

by

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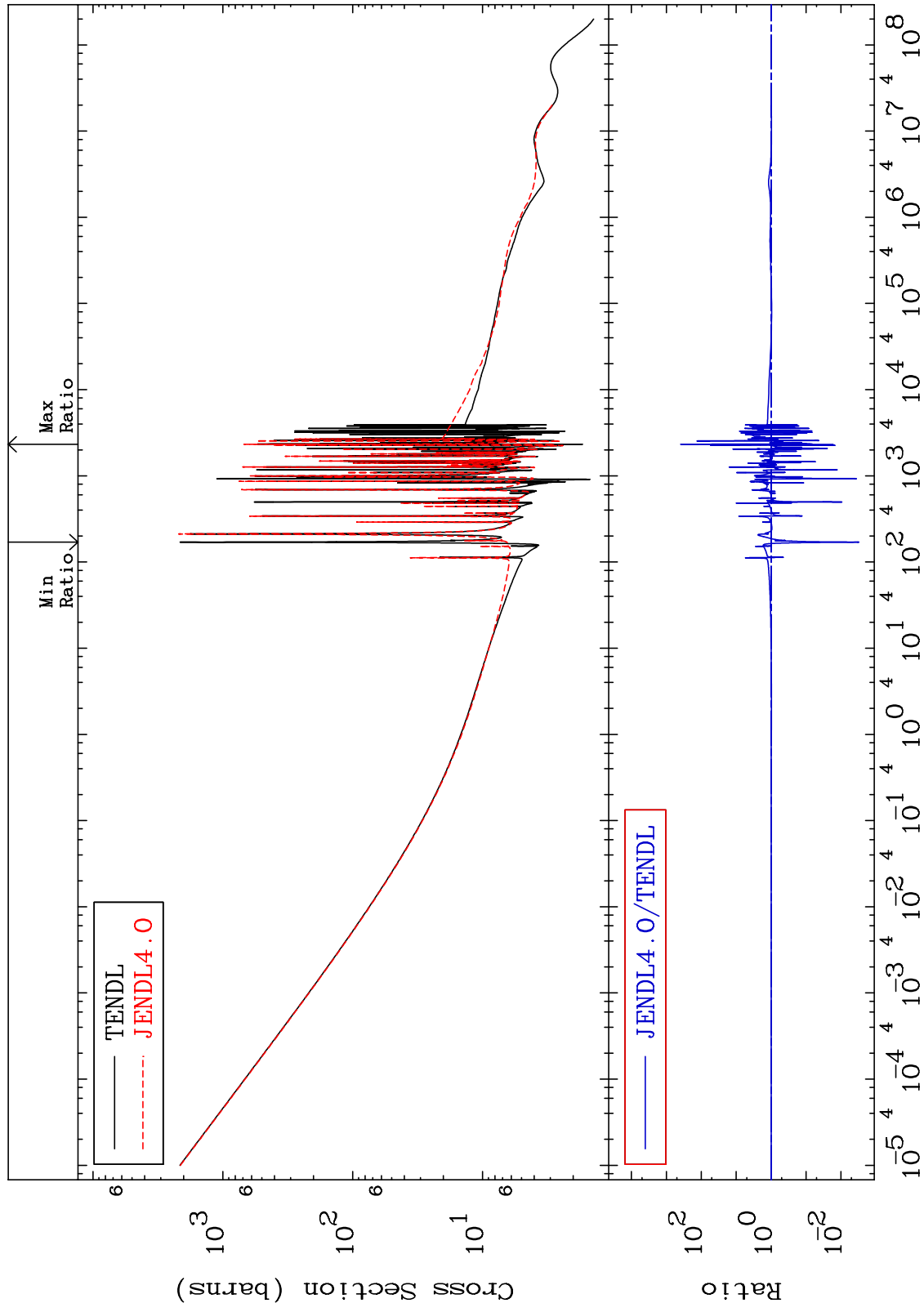
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 3434

Total  
Cross Section

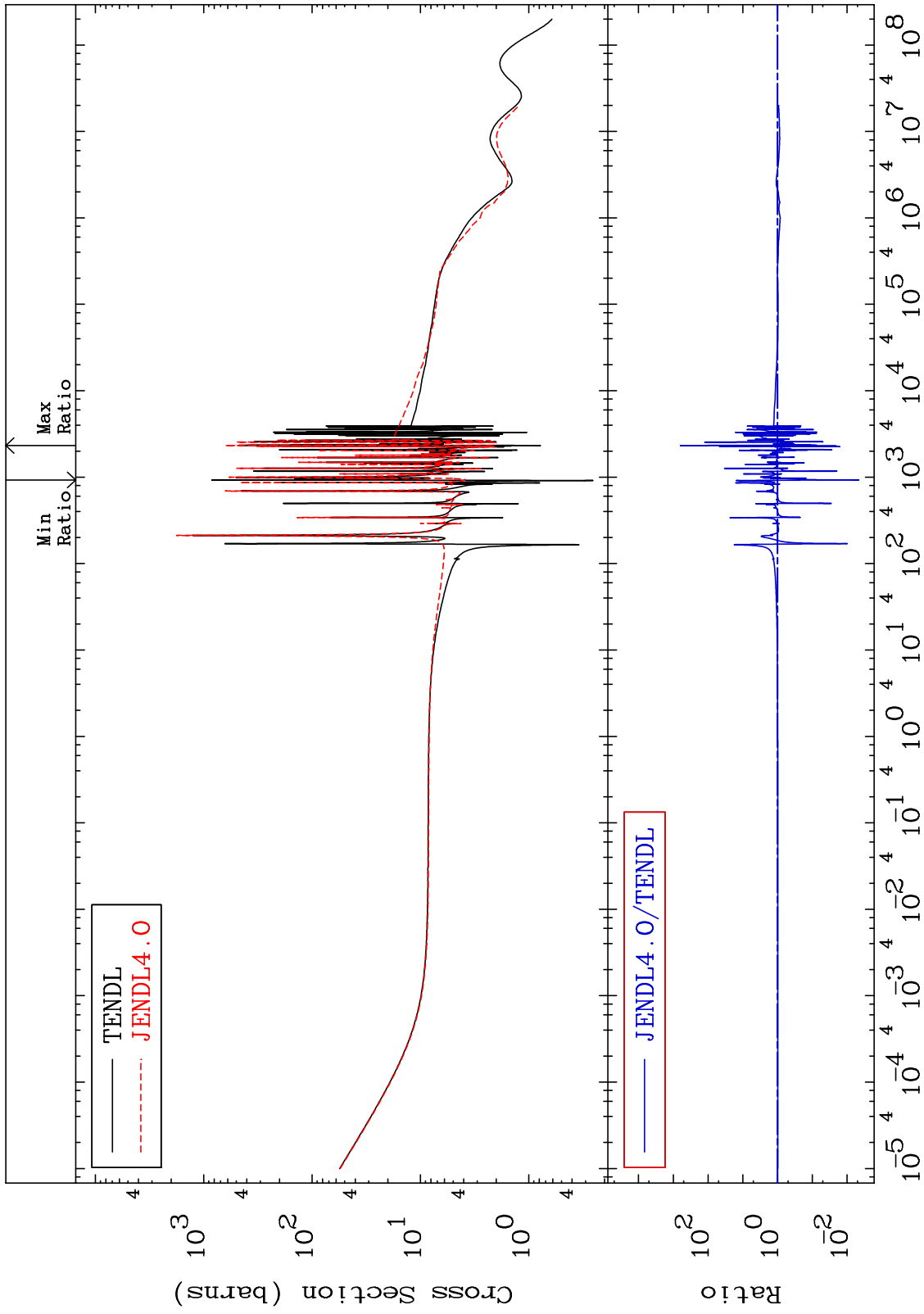
34-Se-77  
-99.70 To 9999. %



MAT 3434

Elastic  
Cross Section

34-Se-77  
-99.54 To 9999. %

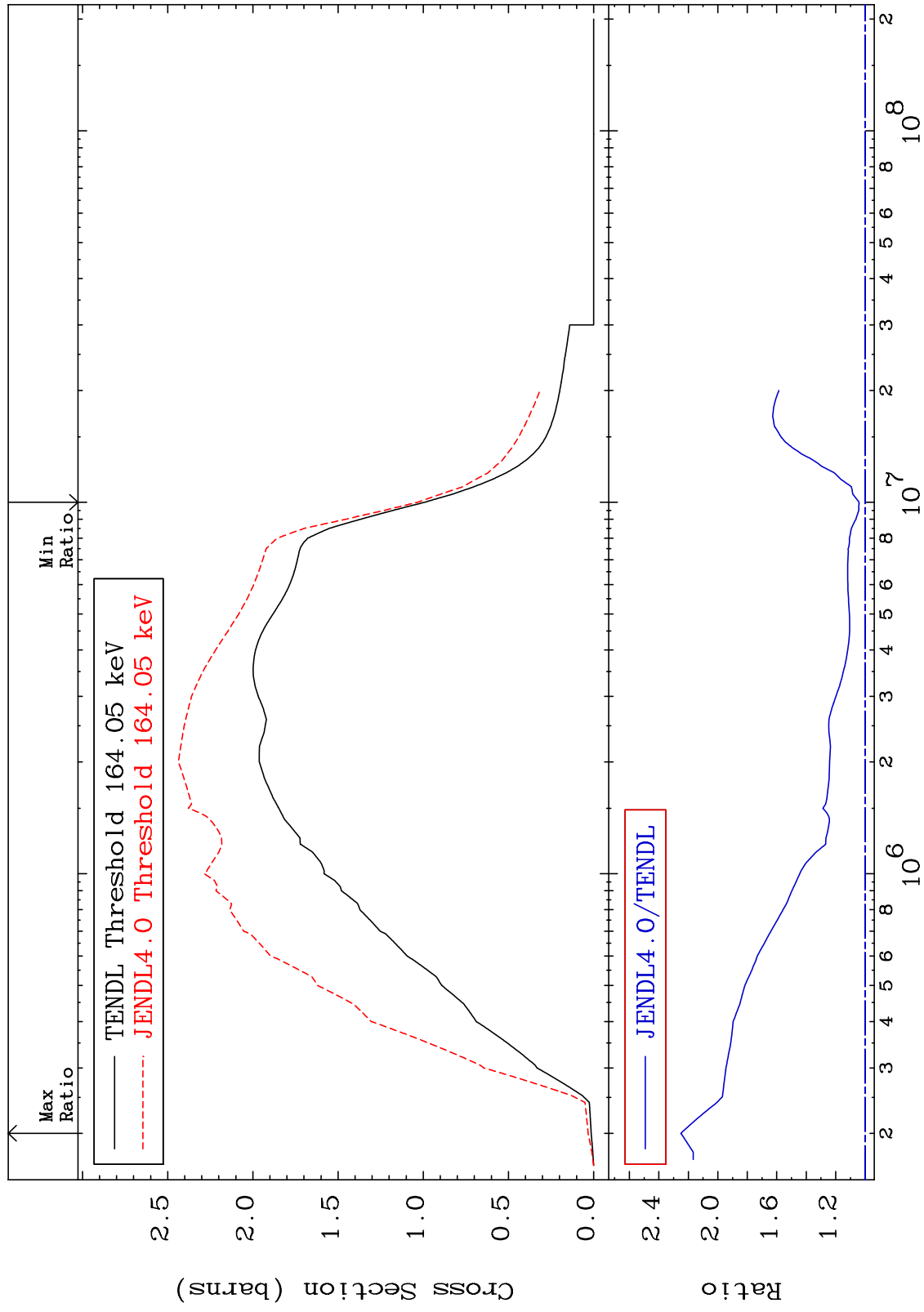


2

Incident Energy (eV)

34-Se-77

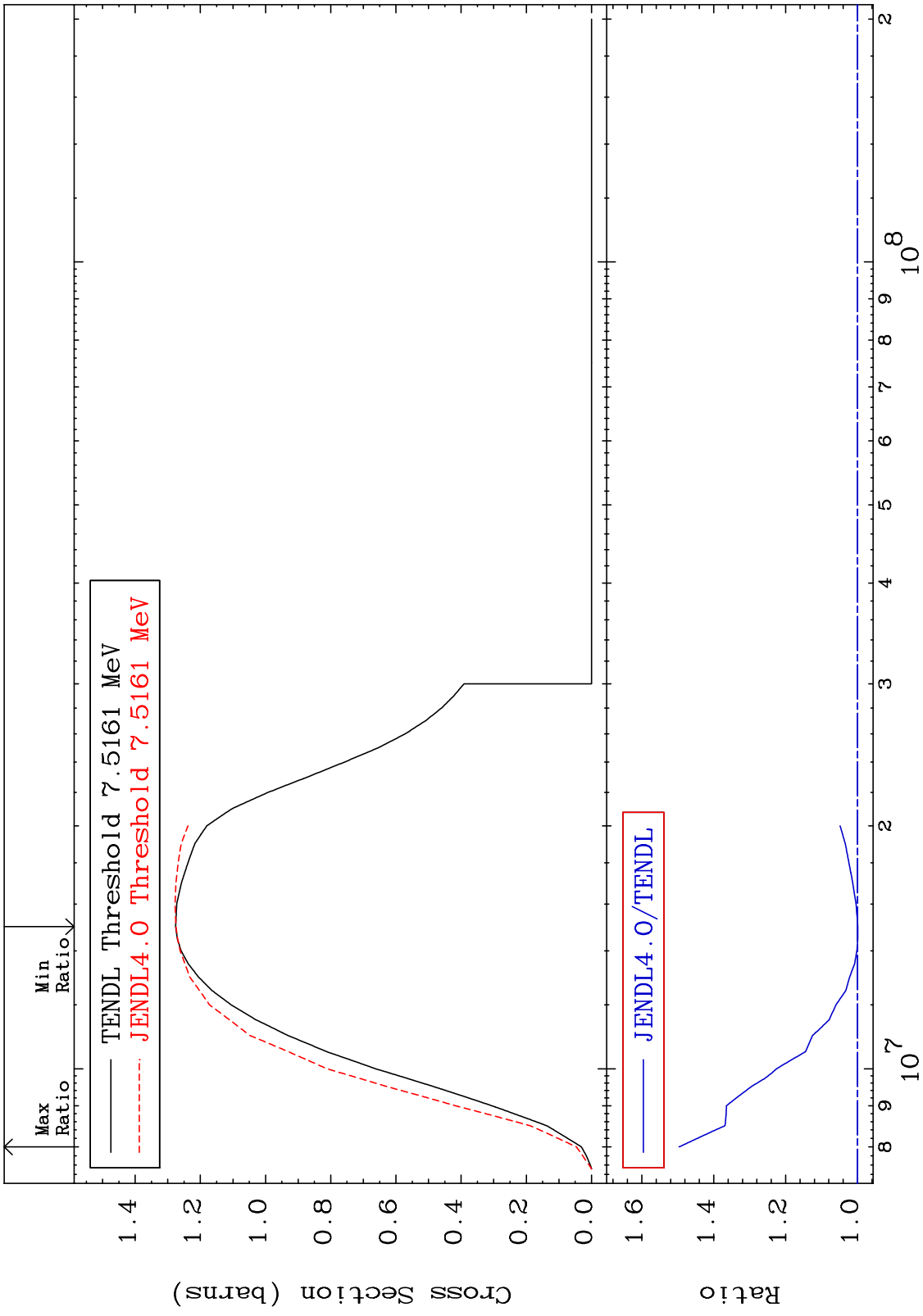
MAT 3434 Inelastic Cross Section 34-Se-77 To 125.1 %



34-Se-77

Incident Energy (eV)

MAT 3434  $(n,2n)$  Cross Section  $^{34}\text{Se-77}$  -0.071 To 49.64 %



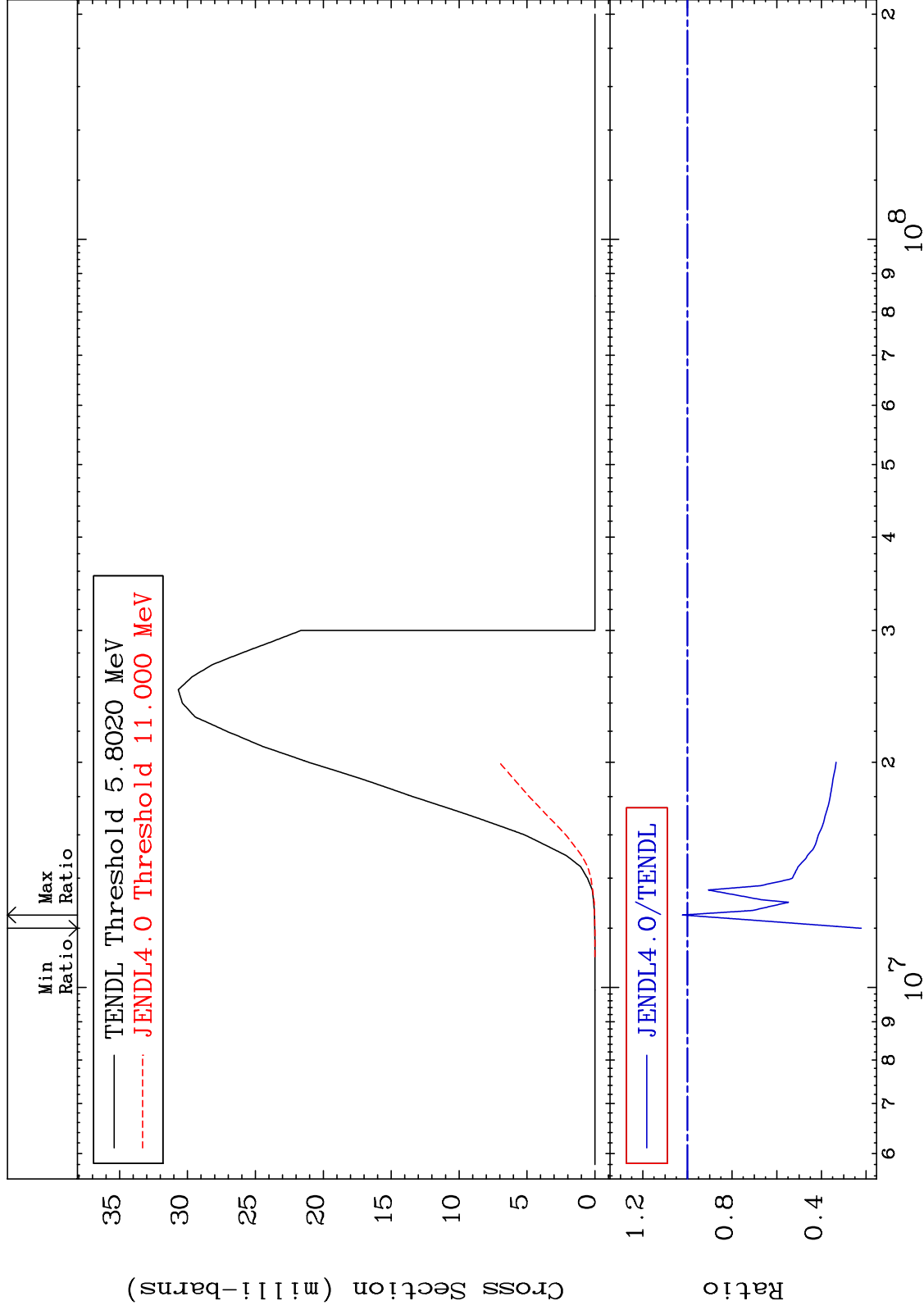
MAT 3434

(n, n')  $\alpha$

<sup>34</sup>Se-77

Cross Section

-77.86 To 2.219 %

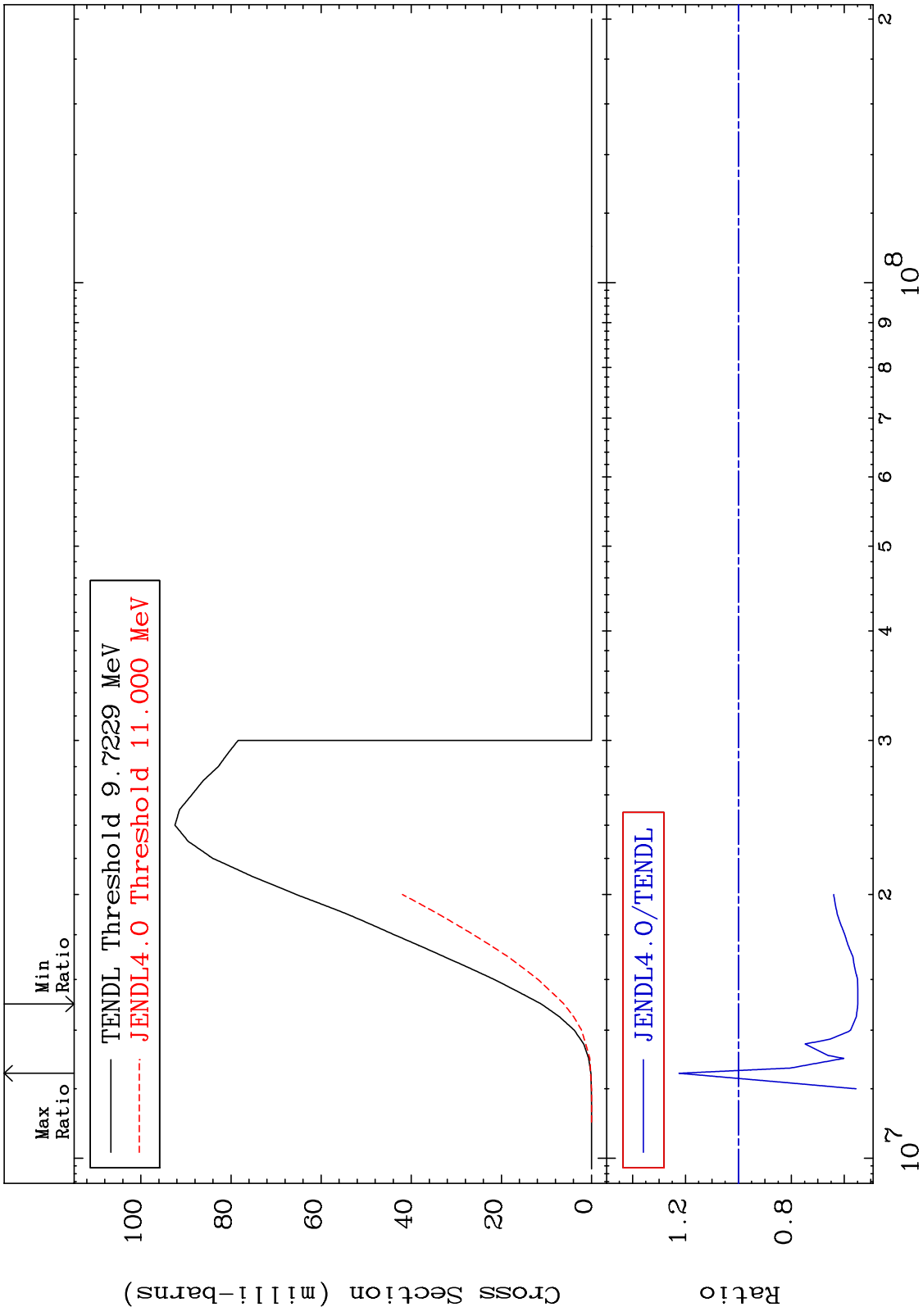


5

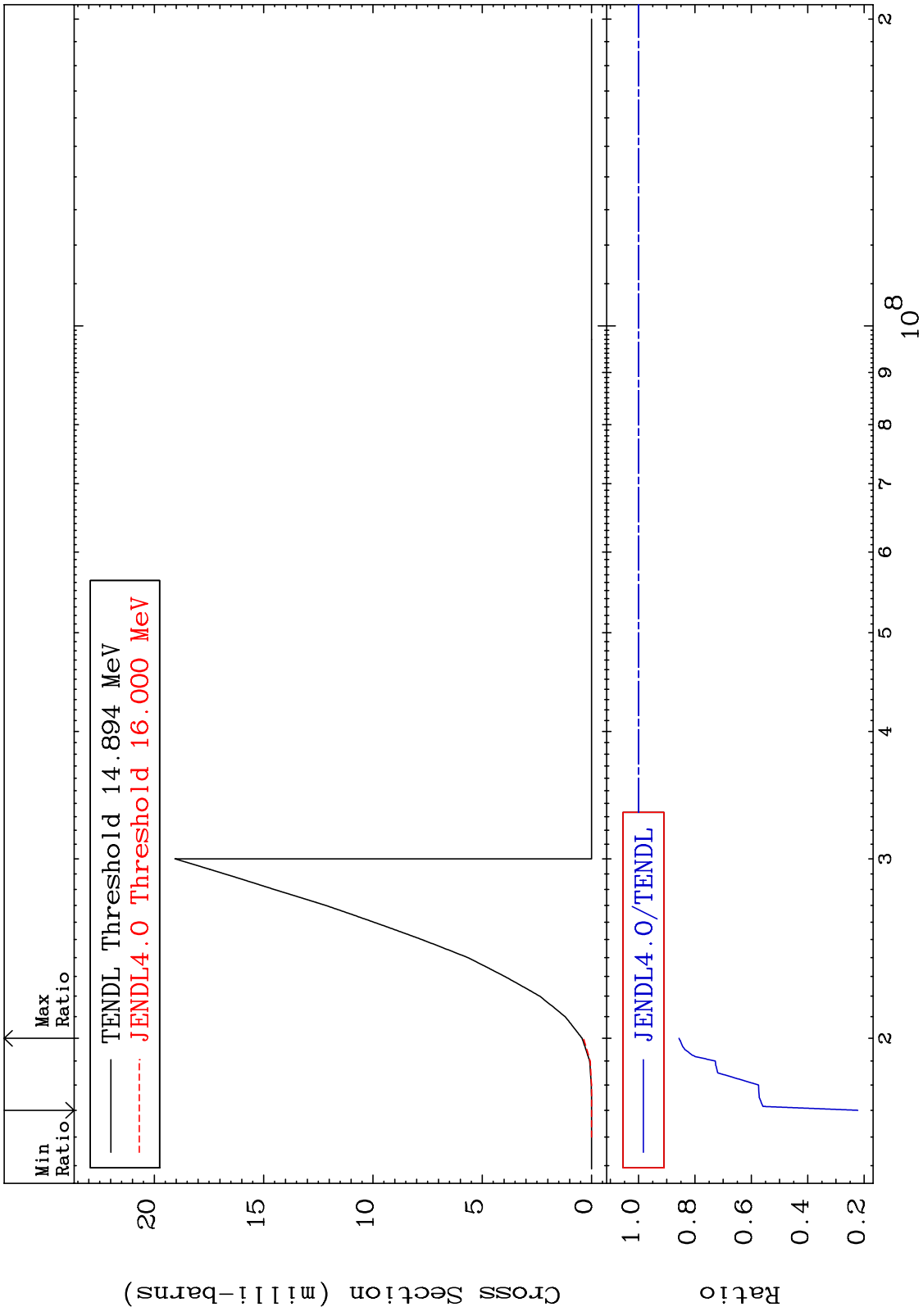
Incident Energy (eV)

<sup>34</sup>Se-77

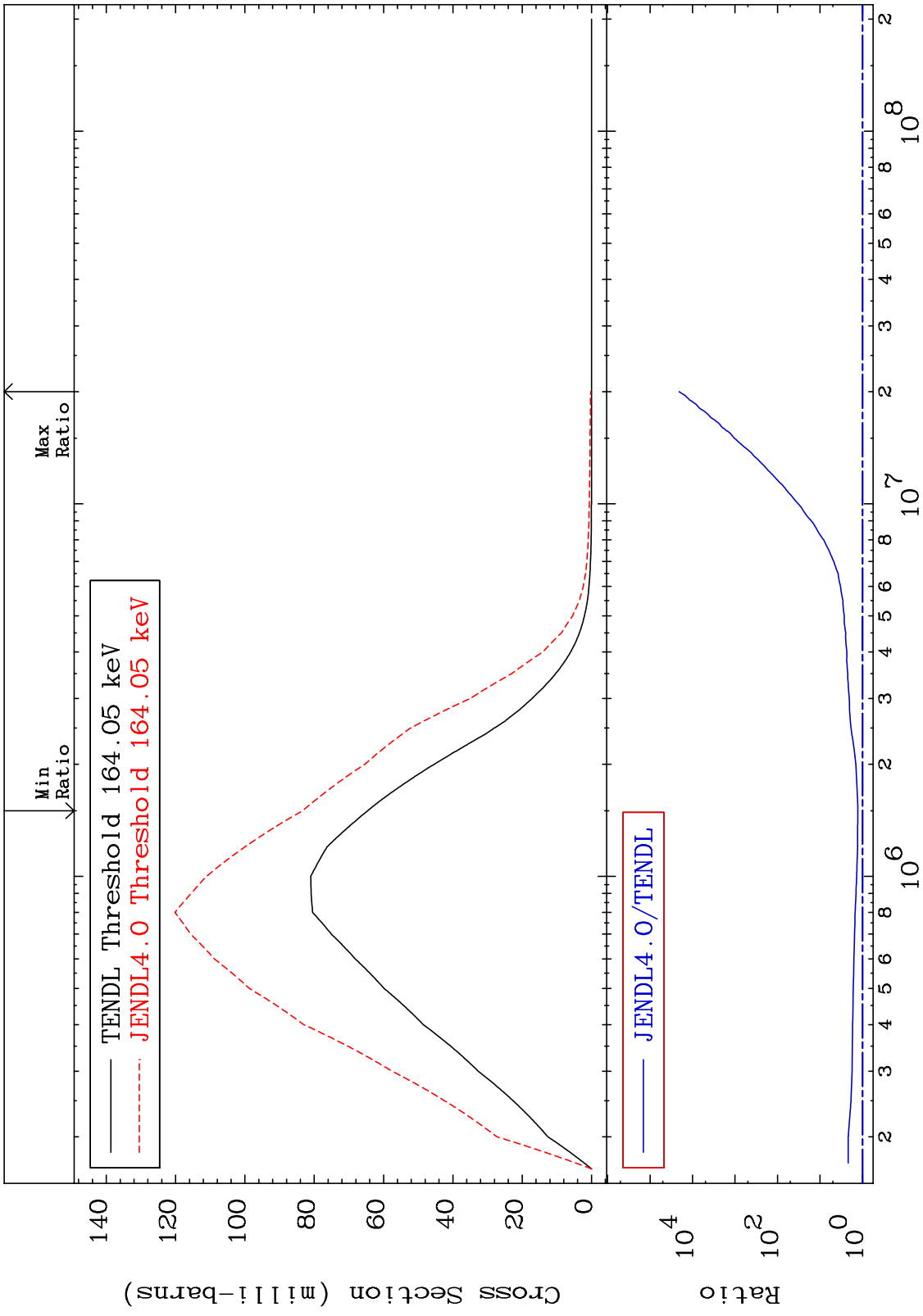
MAT 3434 (n,n') p 34-Se-77  
Cross Section -45.13 To 22.44 %



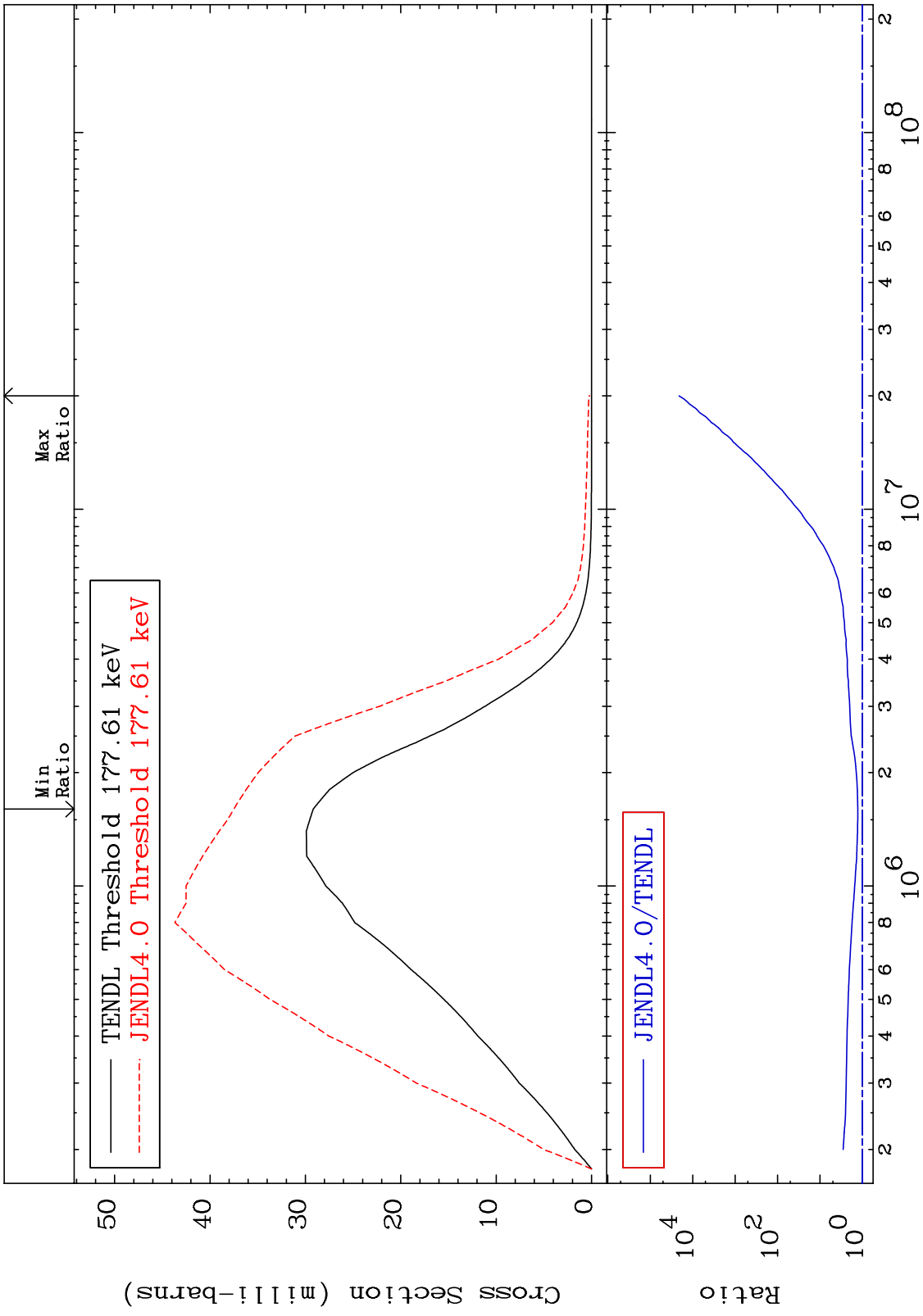
34-Se-77



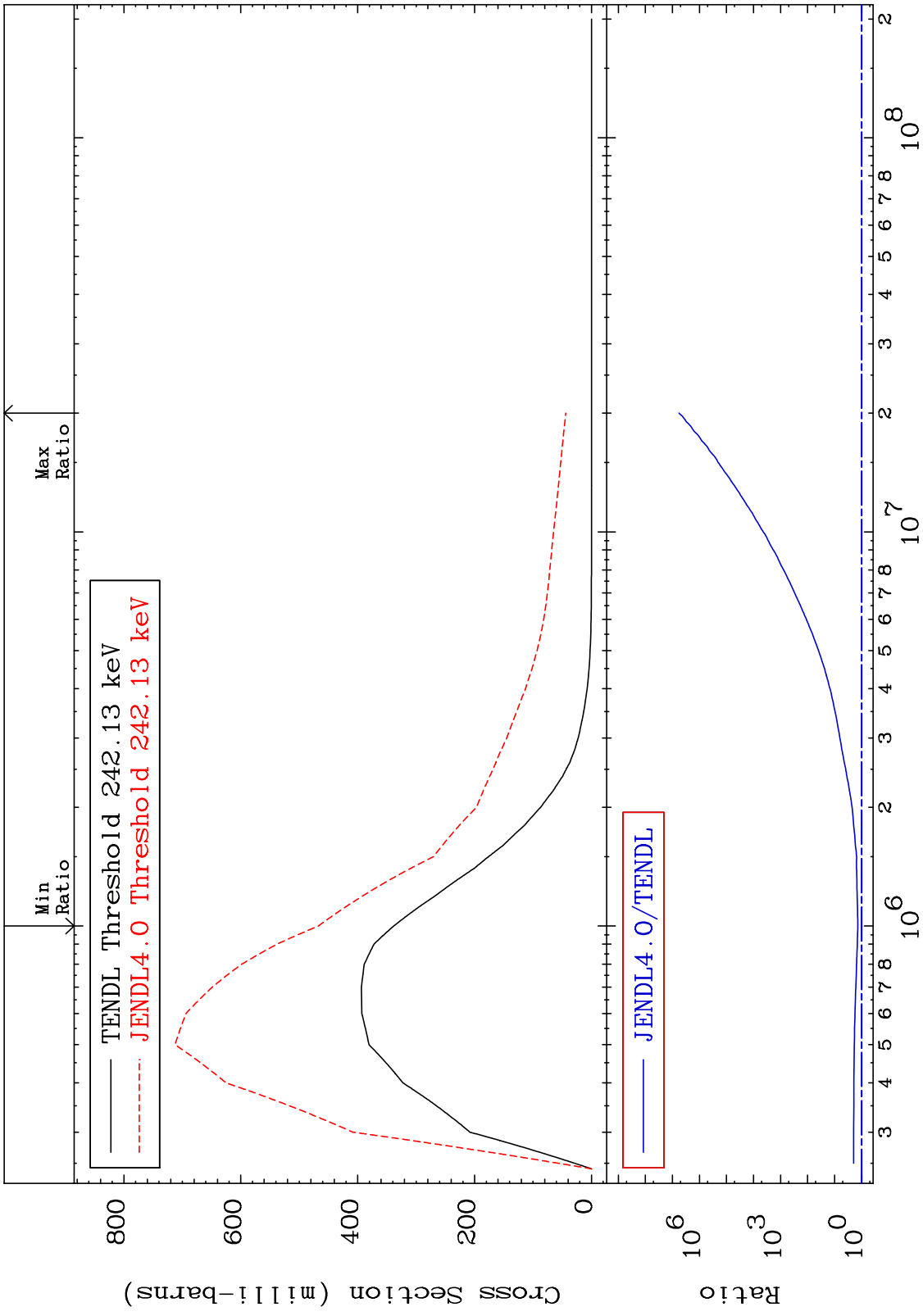
MAT 3434 MT= 51 (n,n') Level Cross Section 28.98 To 9999. % 34-Se-77



MAT 3434 MT= 52 (n,n') Level Cross Section 34-Se-77 28.53 To 9999. %

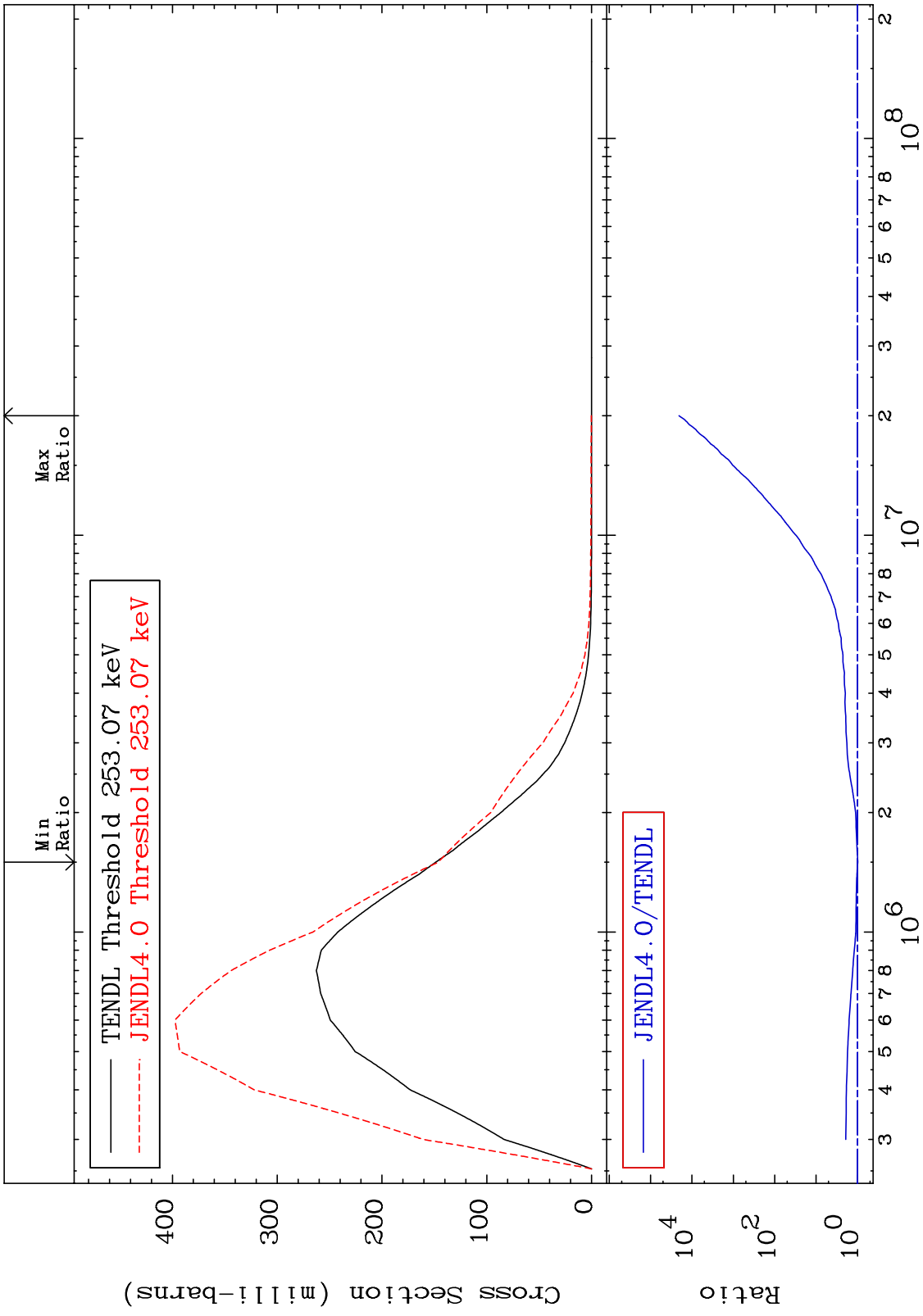


MAT 3434 MT= 53 (n,n') Level Cross Section 34-Se-77 38.09 To 9999. %

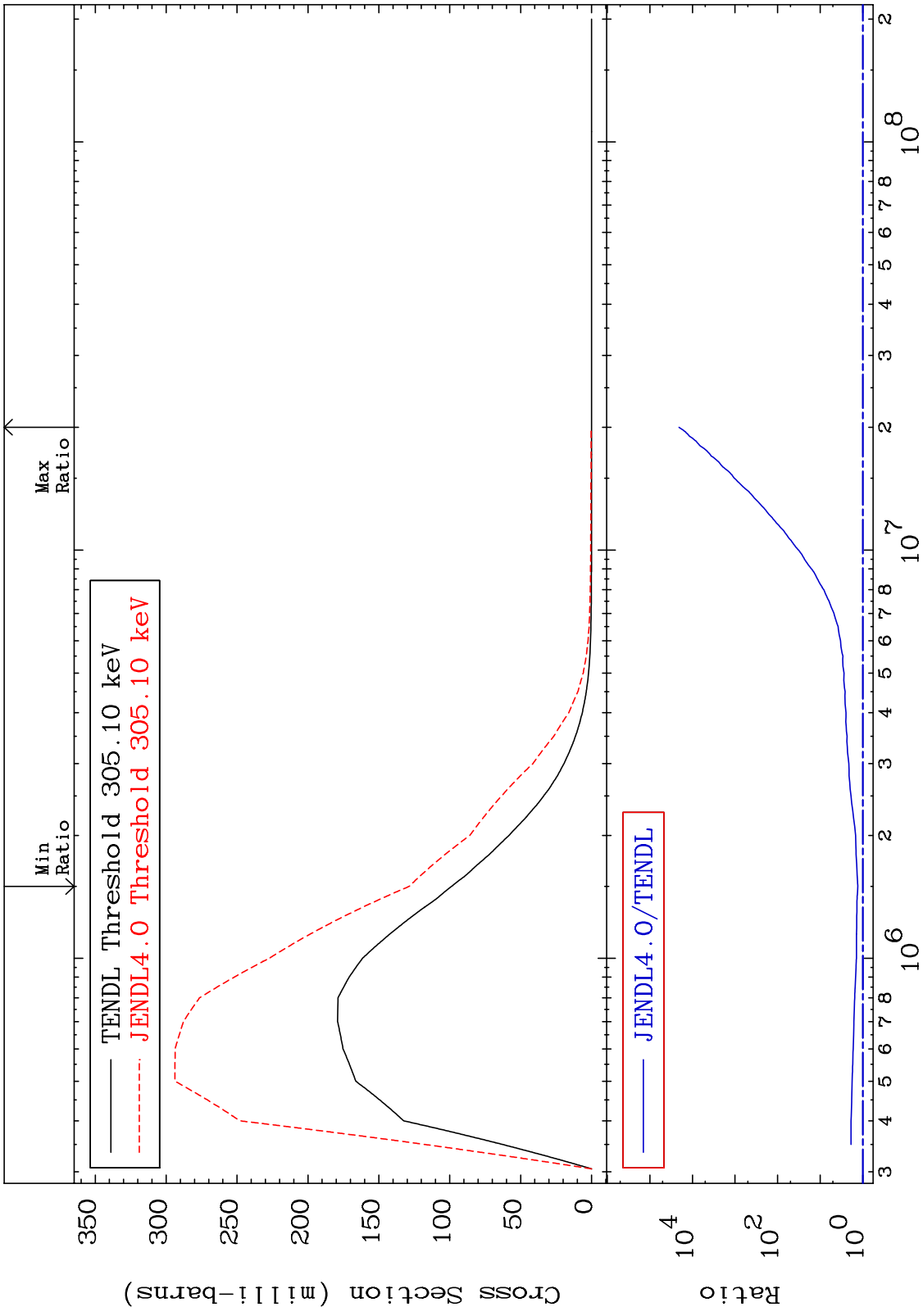


10 34-Se-77

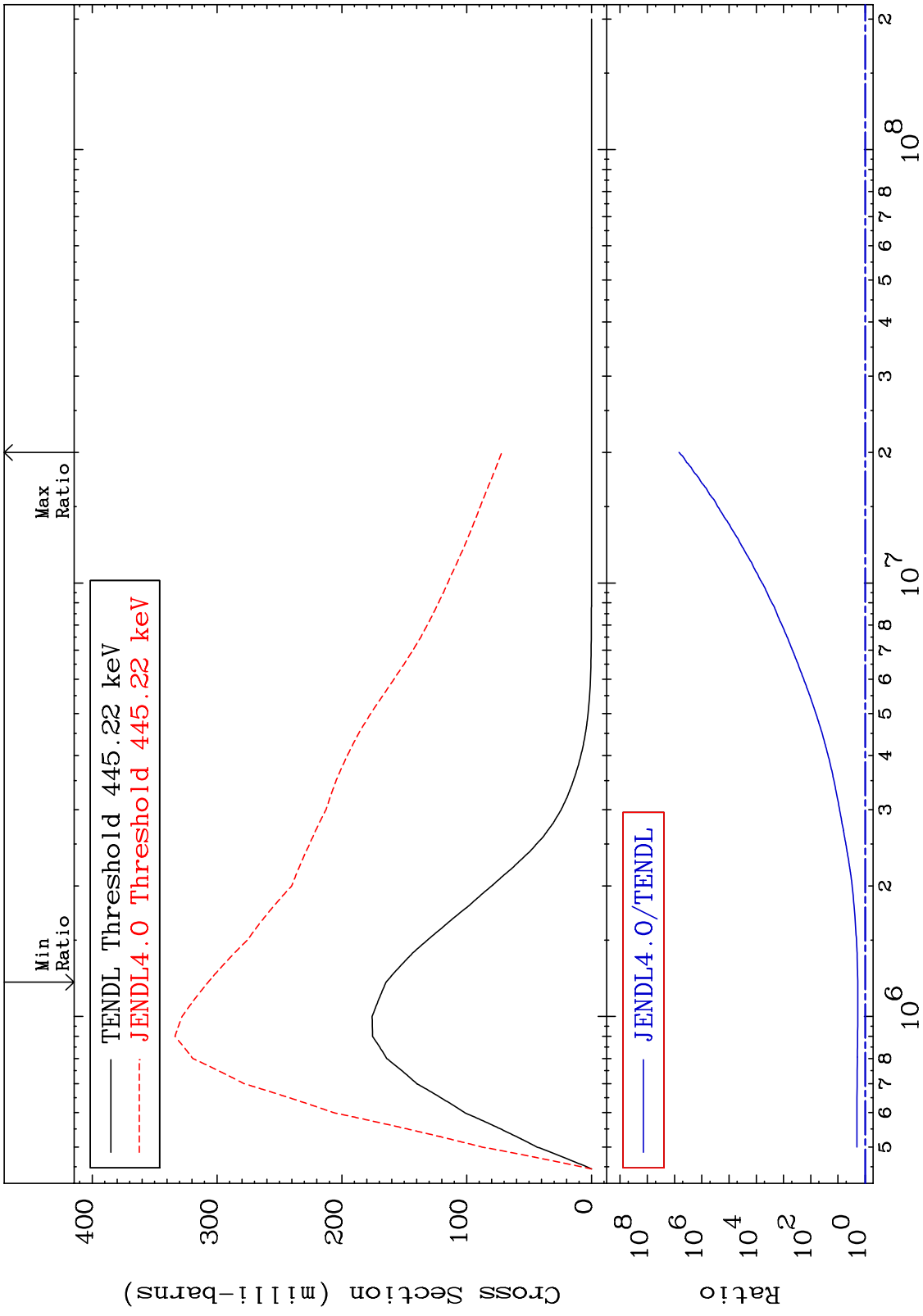
MAT 3434 MT= 54 (n,n') Level Cross Section -1.671 To 9999. % 34-Se-77



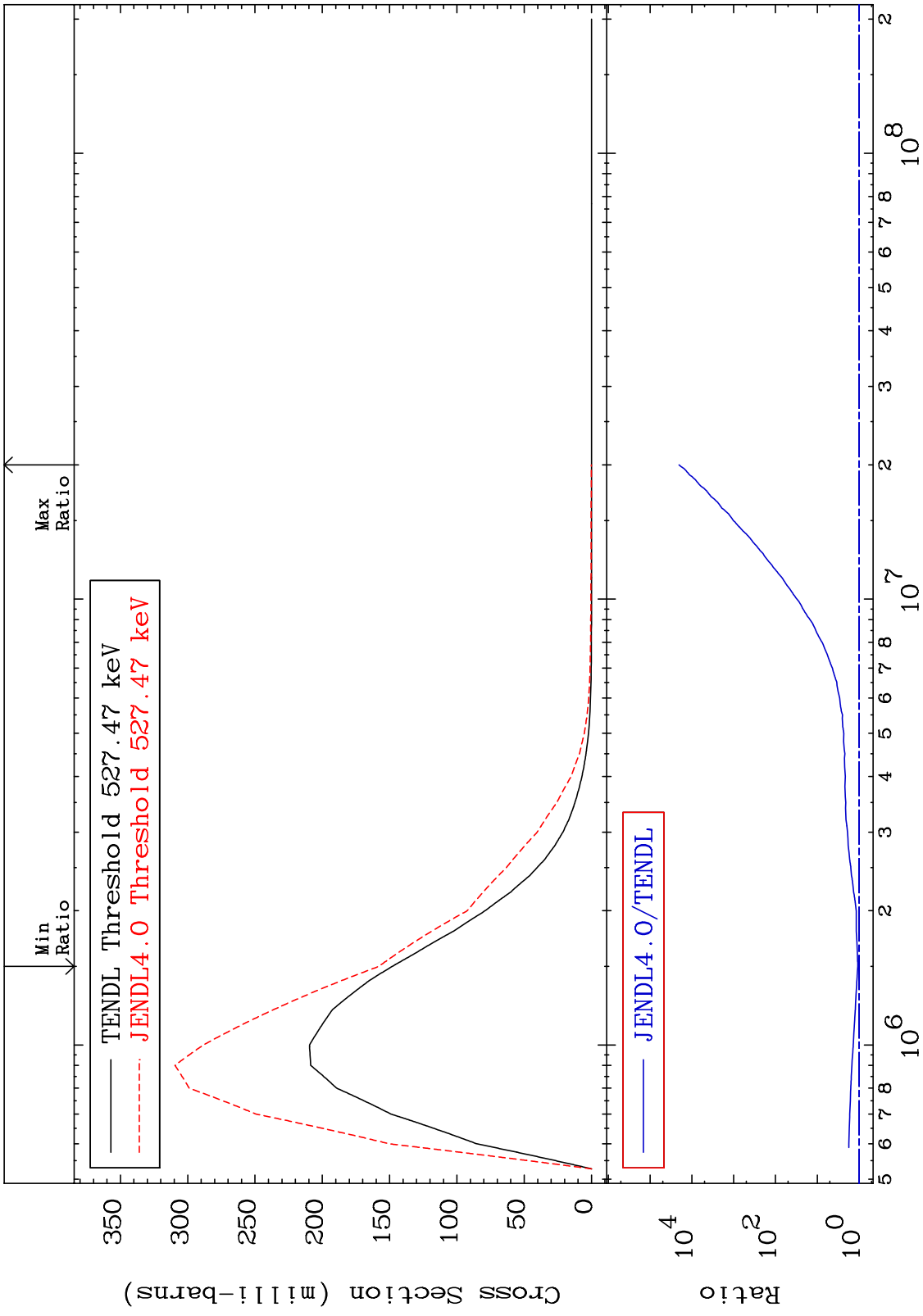
MAT 3434 MT= 55 (n,n') Level Cross Section 30.23 To 9999. % 34-Se-77



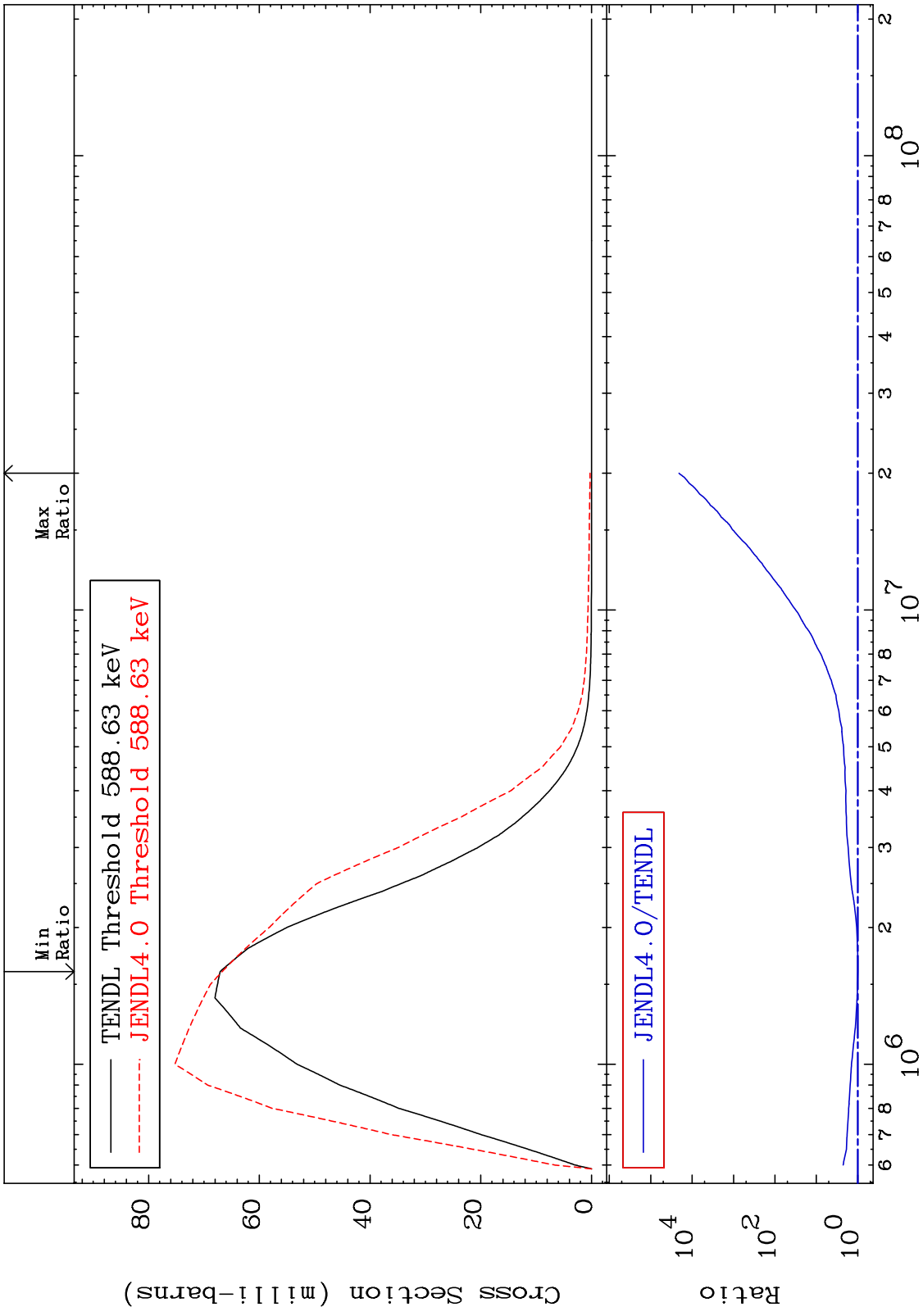
MAT 3434 MT= 56 (n,n') Level Cross Section 34-Se-77 86.59 To 9999. %



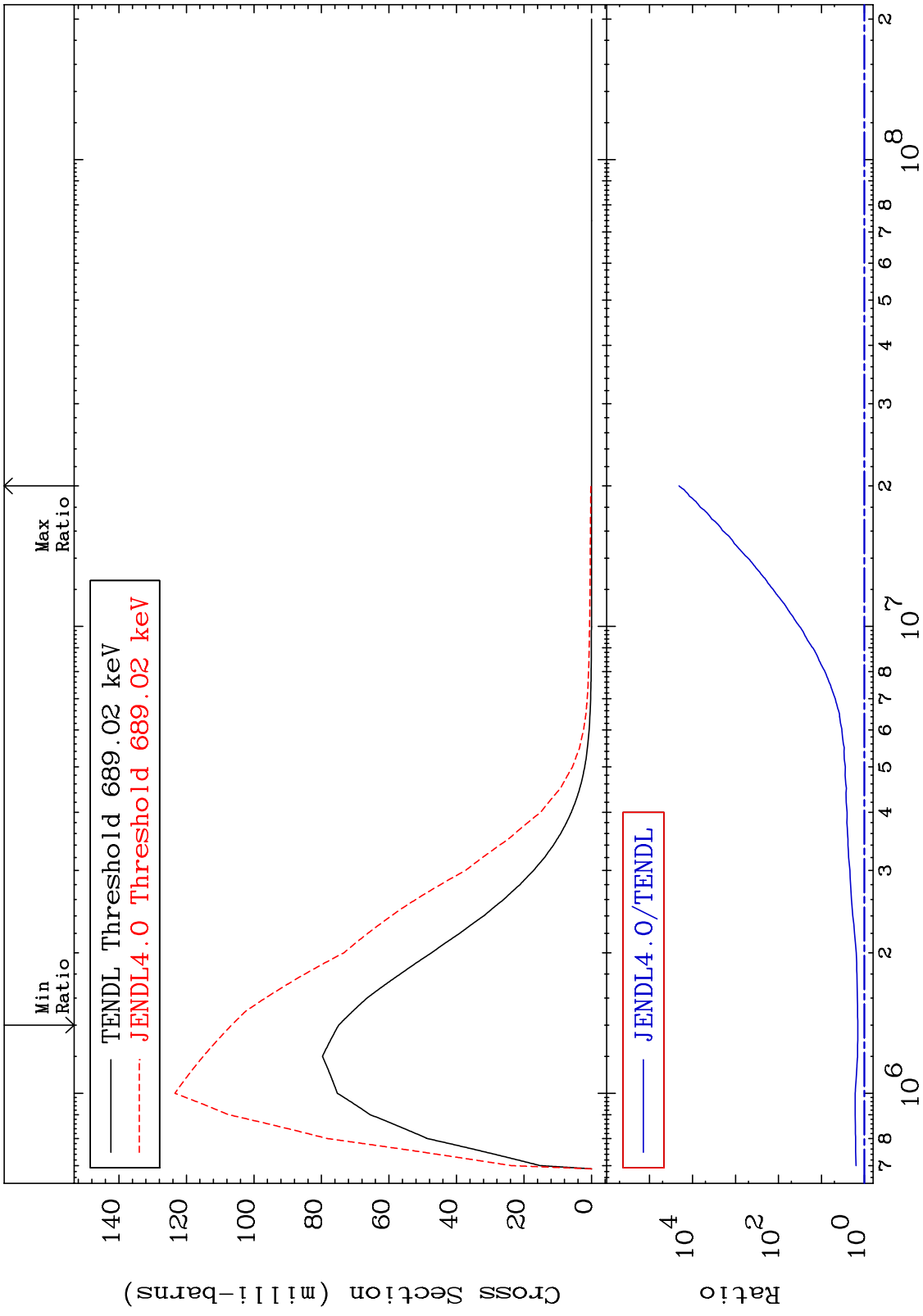
MAT 3434 MT= 57 (n,n') Level Cross Section 34-Se-77 6.790 To 9999. %



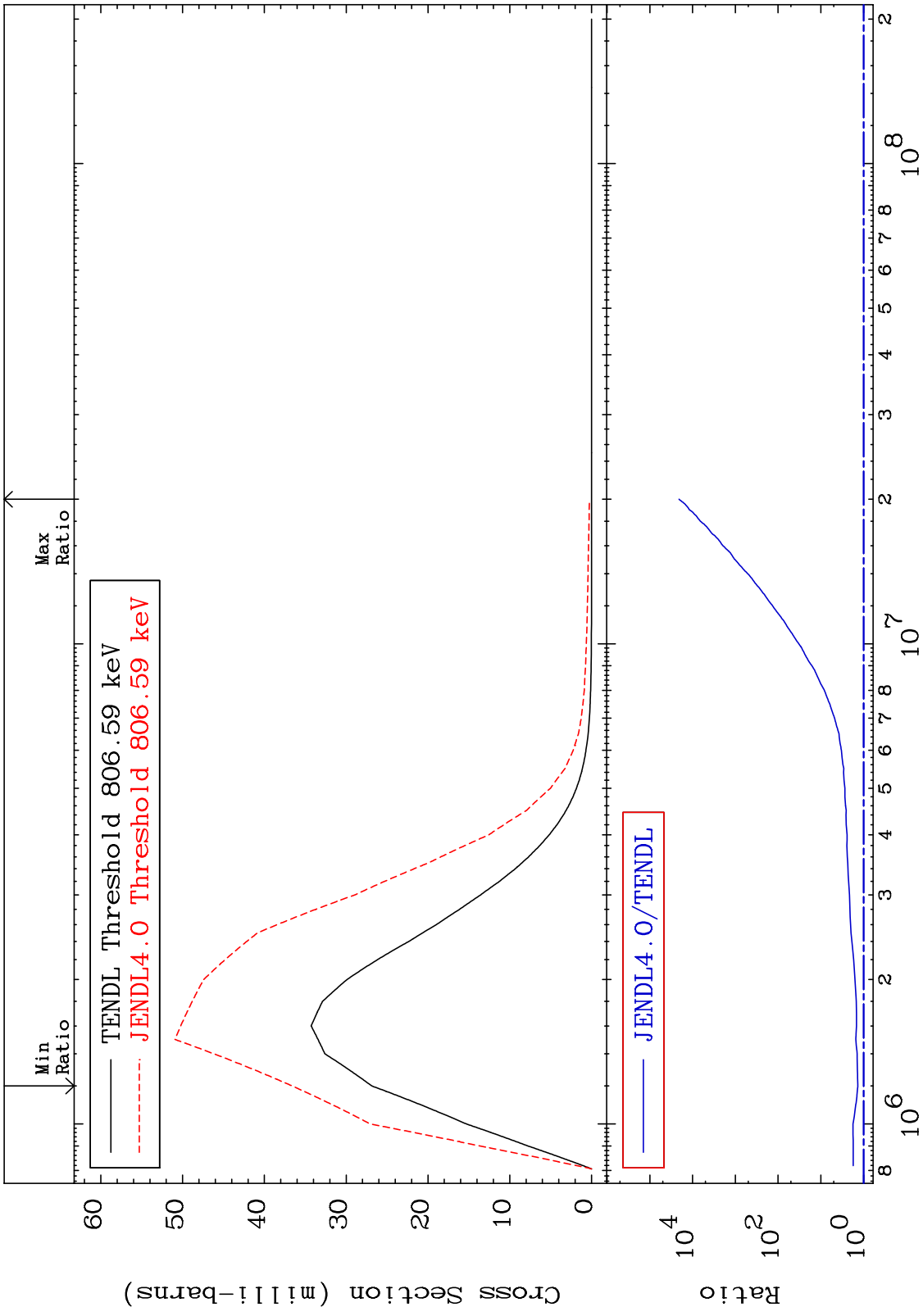
MAT 3434 MT= 58 (n,n') Level Cross Section -0.574 To 9999. % 34-Se-77



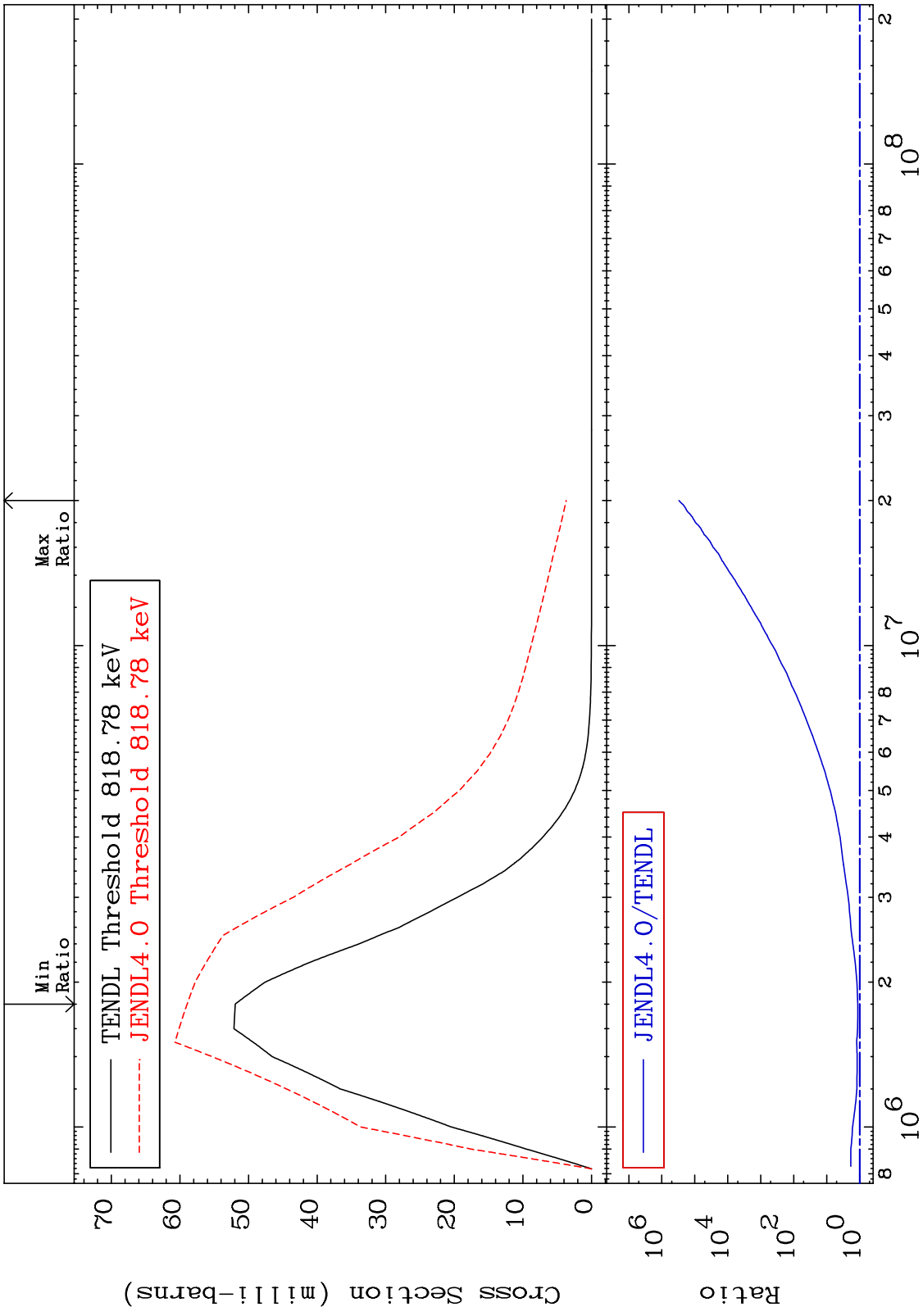
MAT 3434 MT= 59 (n,n') Level Cross Section 42.32 To 9999. % 34-Se-77



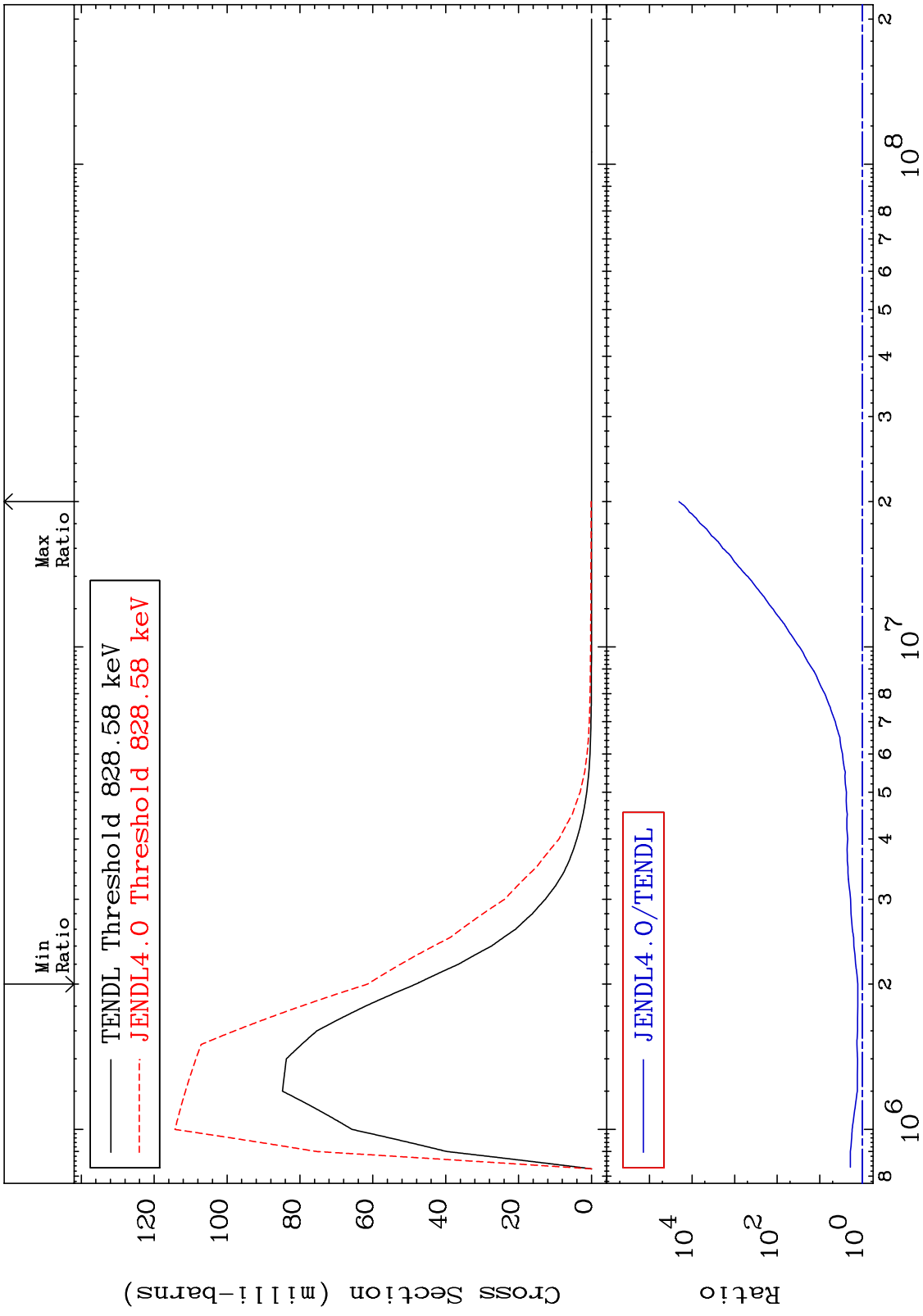
MAT 3434 MT= 60 (n,n') Level Cross Section 34-Se-77 36.28 To 9999. %



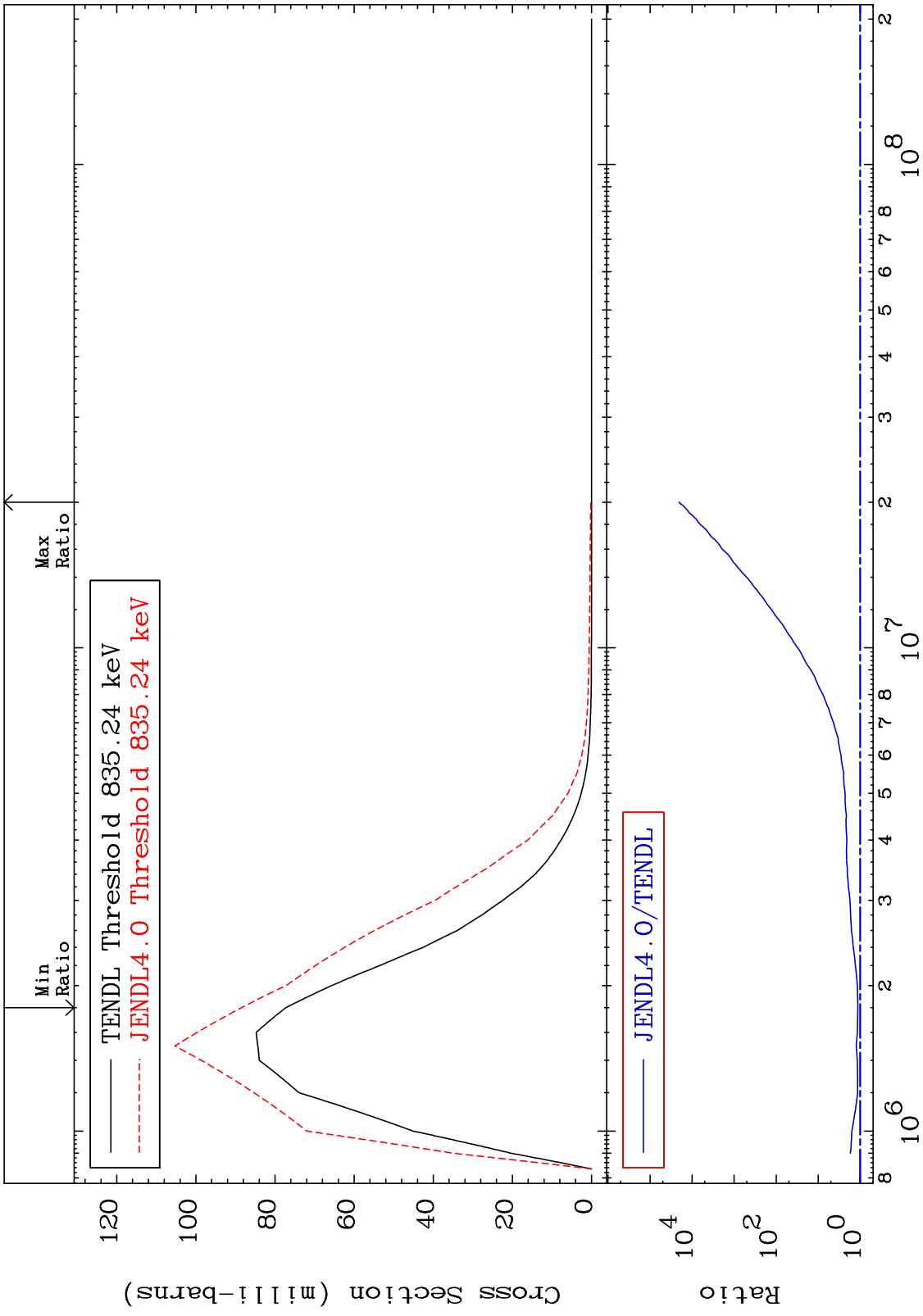
MAT 3434 MT= 61 (n,n') Level Cross Section 13.49 To 9999. % 34-Se-77



MAT 3434 MT= 62 (n,n') Level Cross Section 34-Se-77 27.51 To 9999. %

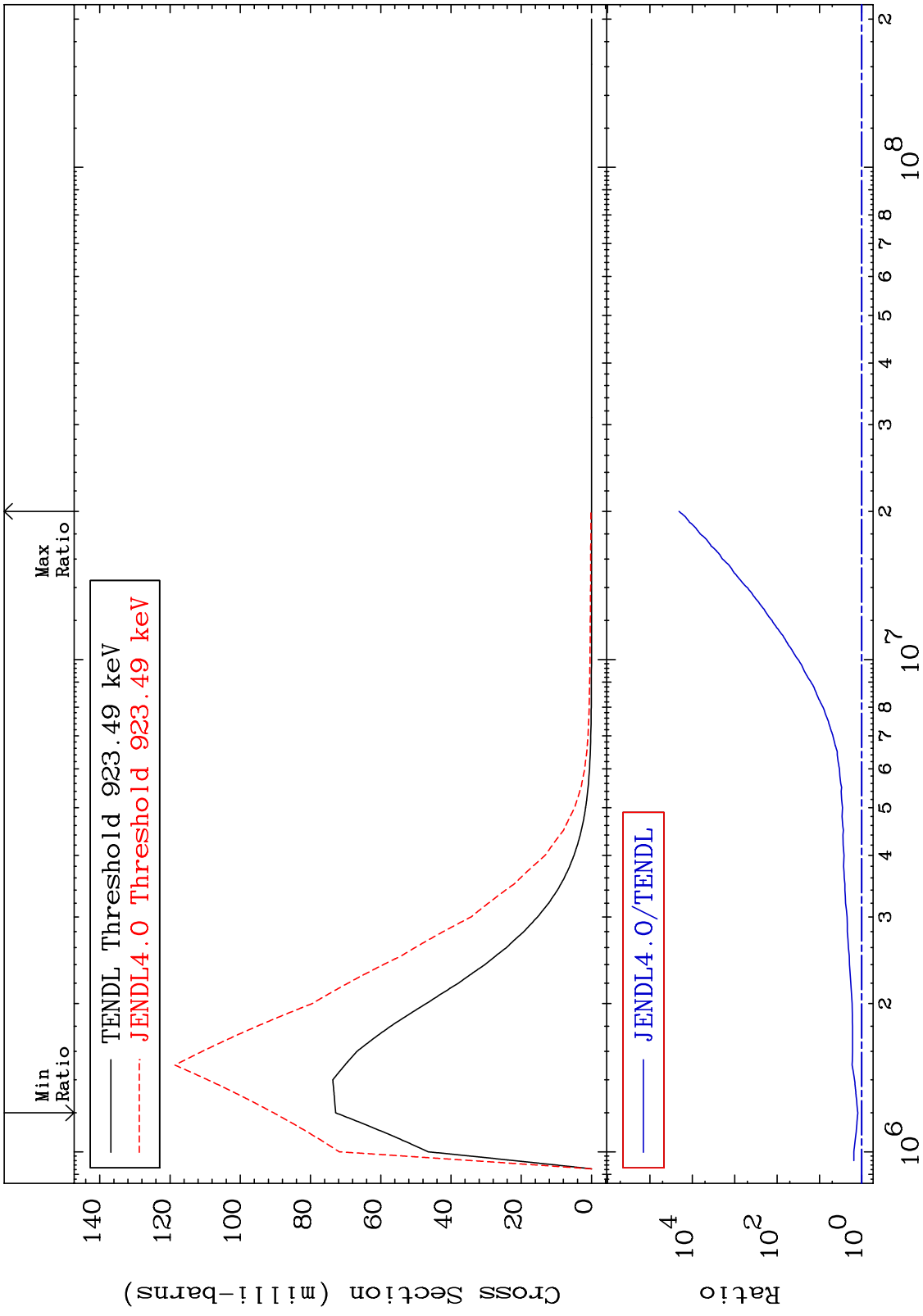


MAT 3434 MT= 63 (n,n') Level Cross Section 14.42 To 9999. % 34-Se-77



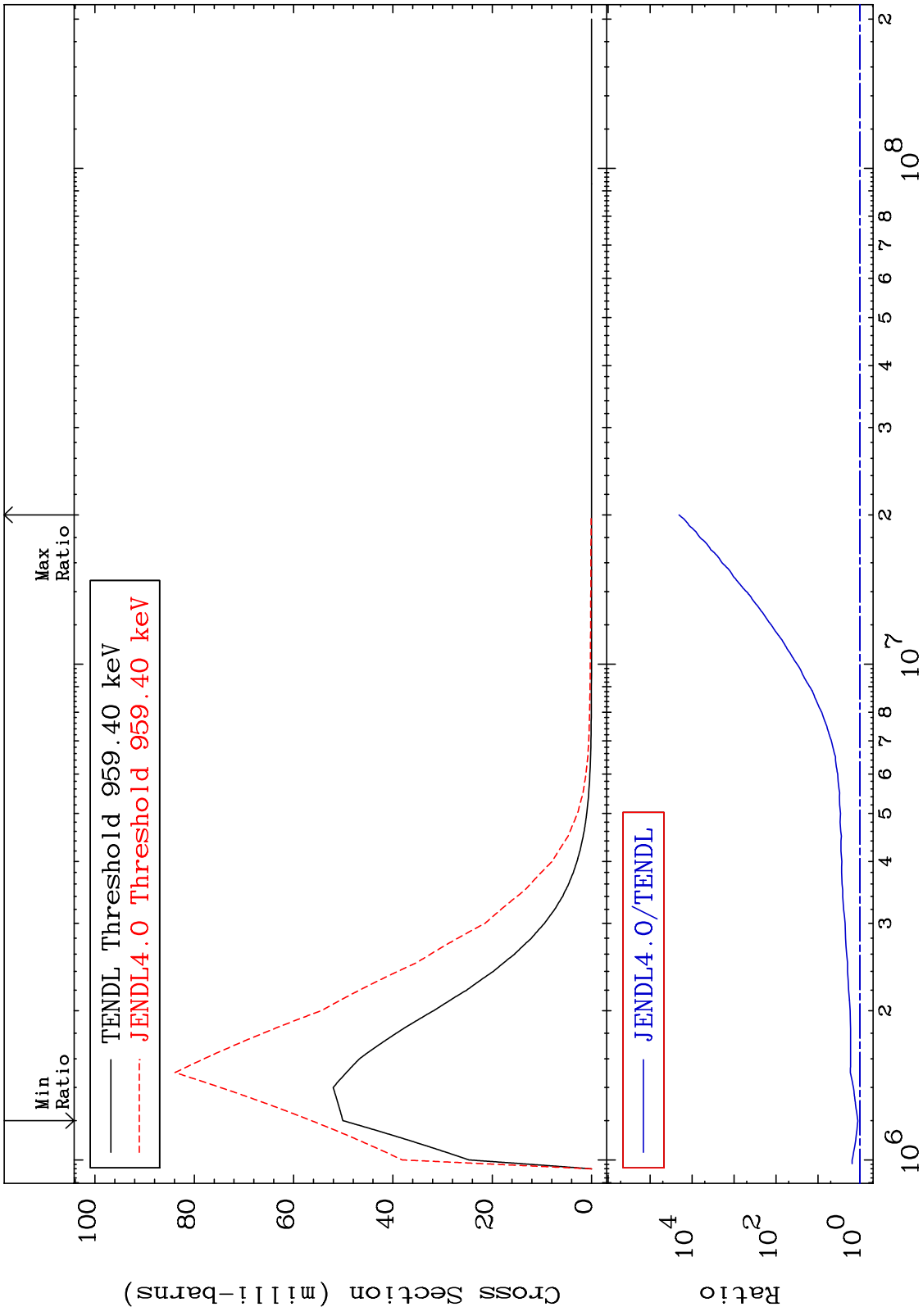
20 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 64 (n,n') Level Cross Section 24.23 To 9999. % 34-Se-77

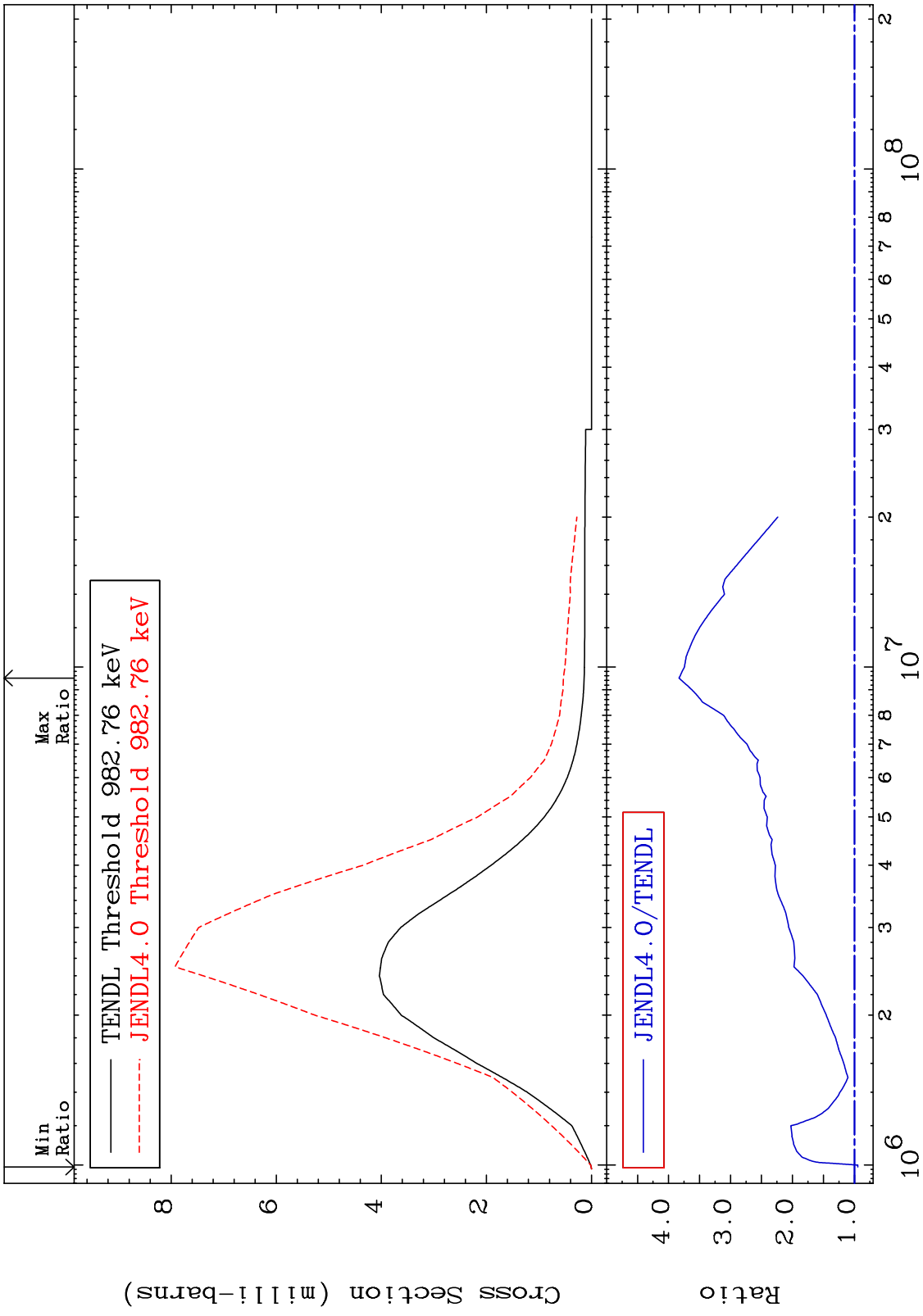


21 Incident Energy (eV) 34-Se-77

MAT 3434 MT= 65 (n,n') Level Cross Section 12.70 To 9999. % 34-Se-77

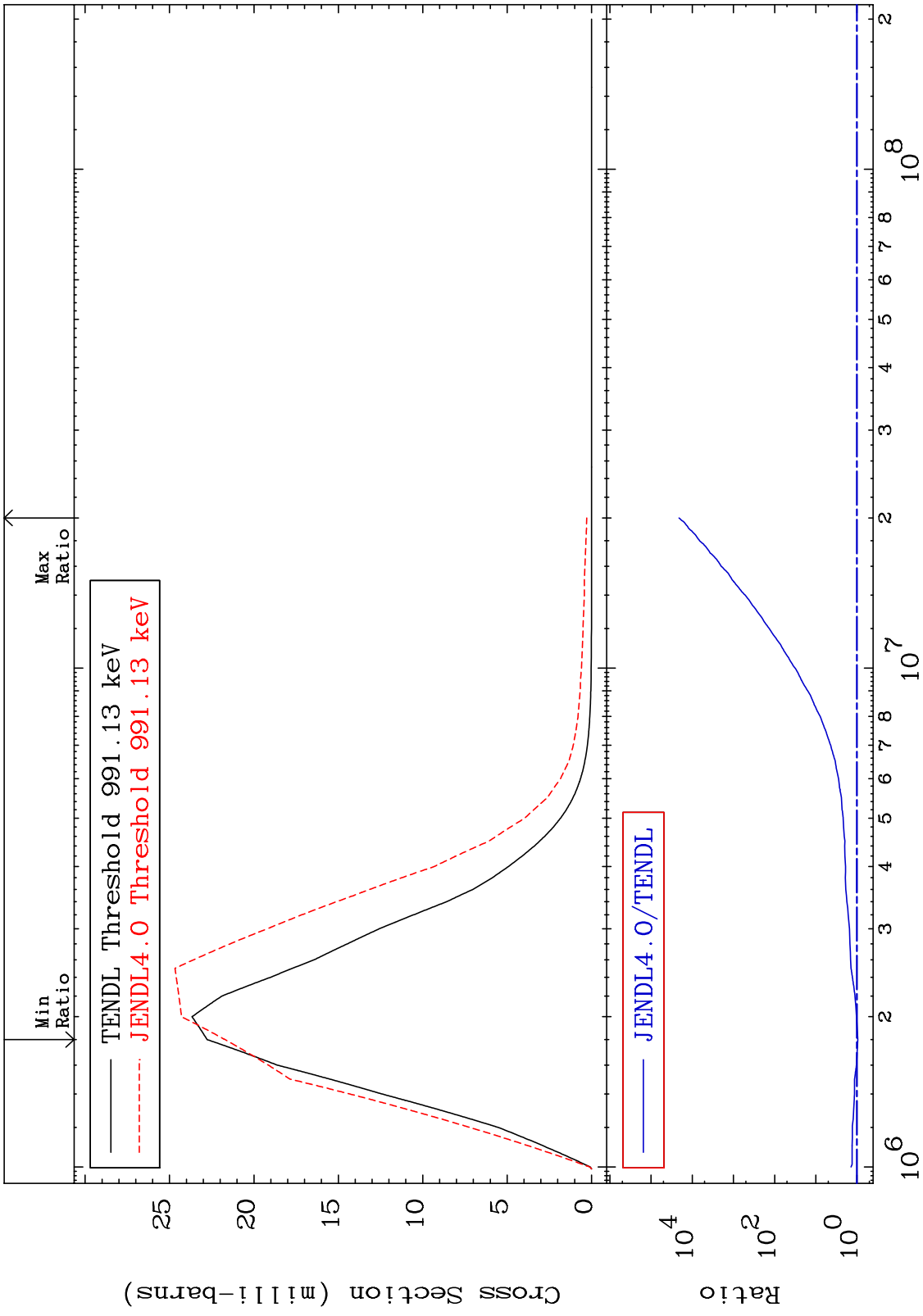


MAT 3434 MT= 66 (n,n') Level Cross Section -5.512 To 283.1 % 34-Se-77

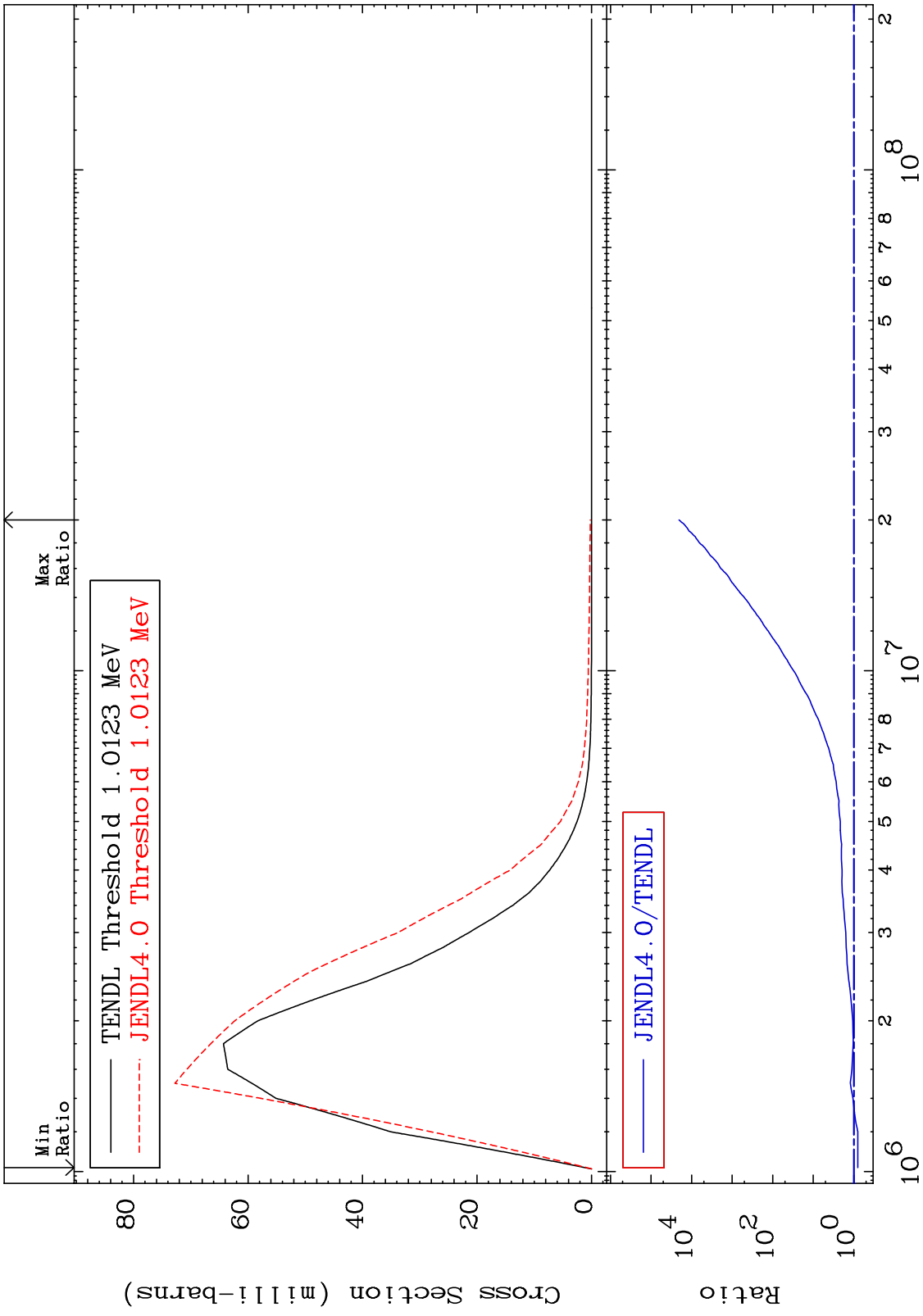


Incident Energy (eV) 34-Se-77

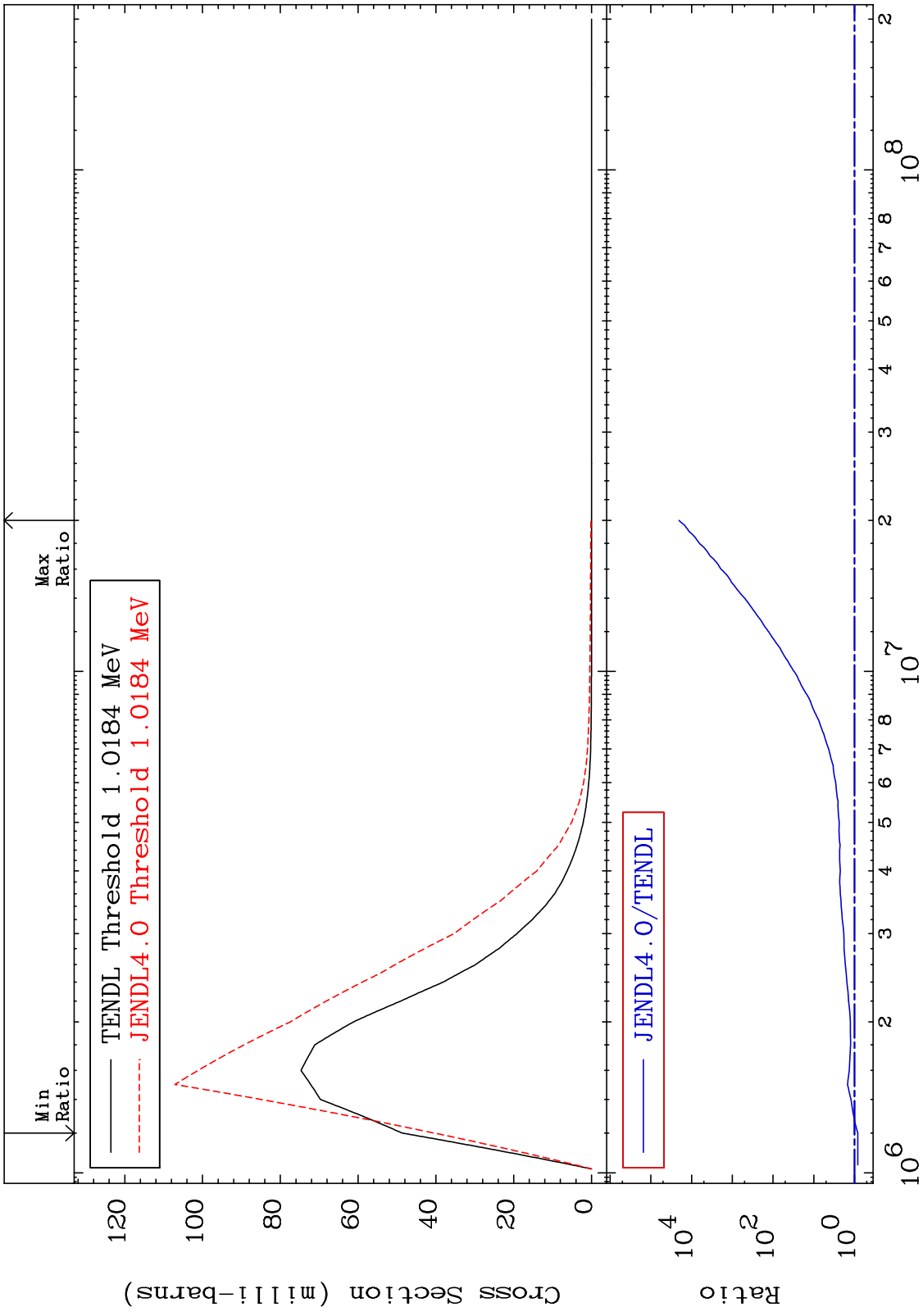
MAT 3434 MT= 67 (n,n') Level Cross Section 34-Se-77  
 -4.623 To 9999. %



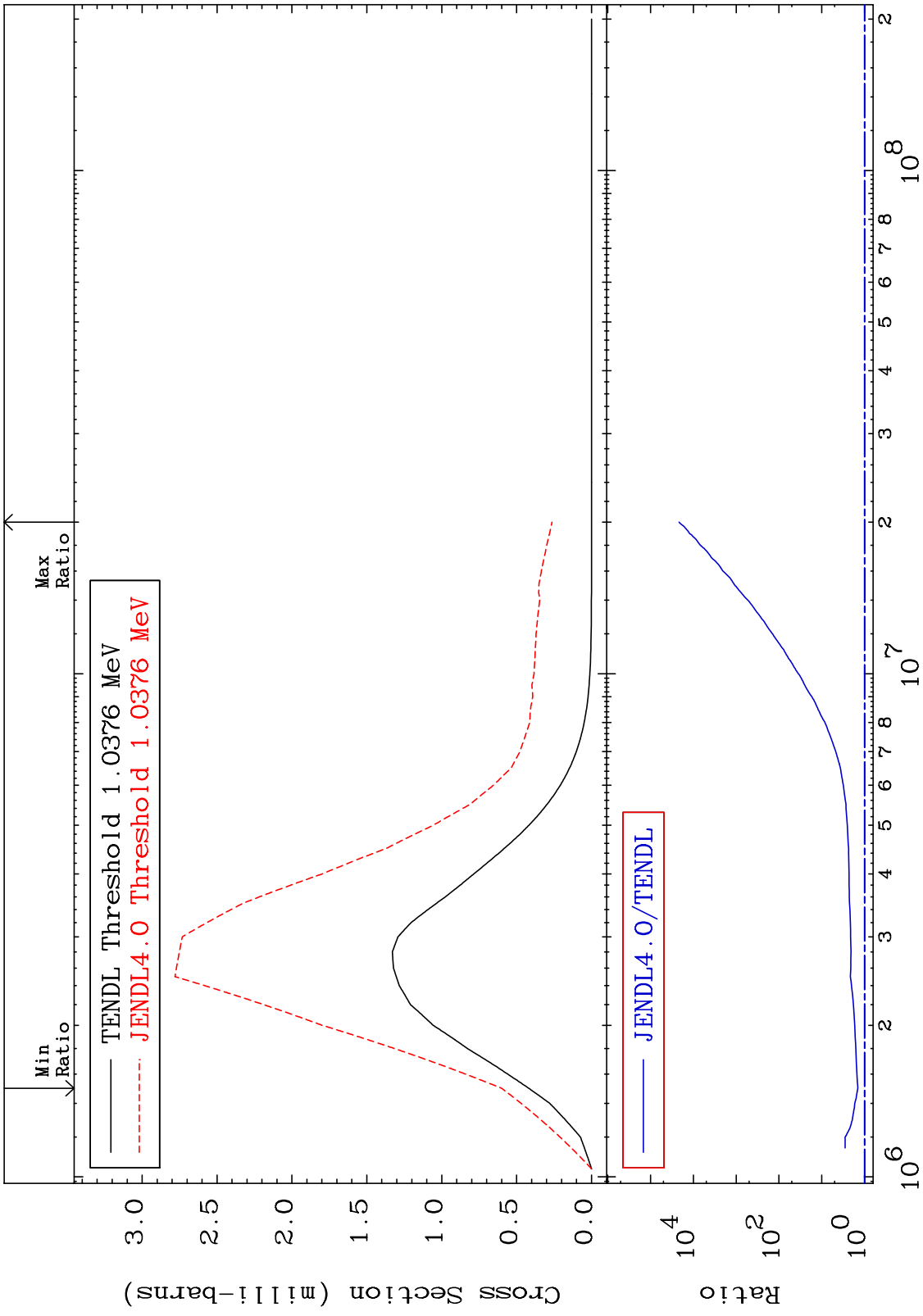
MAT 3434 MT= 68 (n,n') Level Cross Section -20.17 To 9999. % 34-Se-77



MAT 3434 MT= 69 (n,n') Level Cross Section -17.01 To 9999. % 34-Se-77



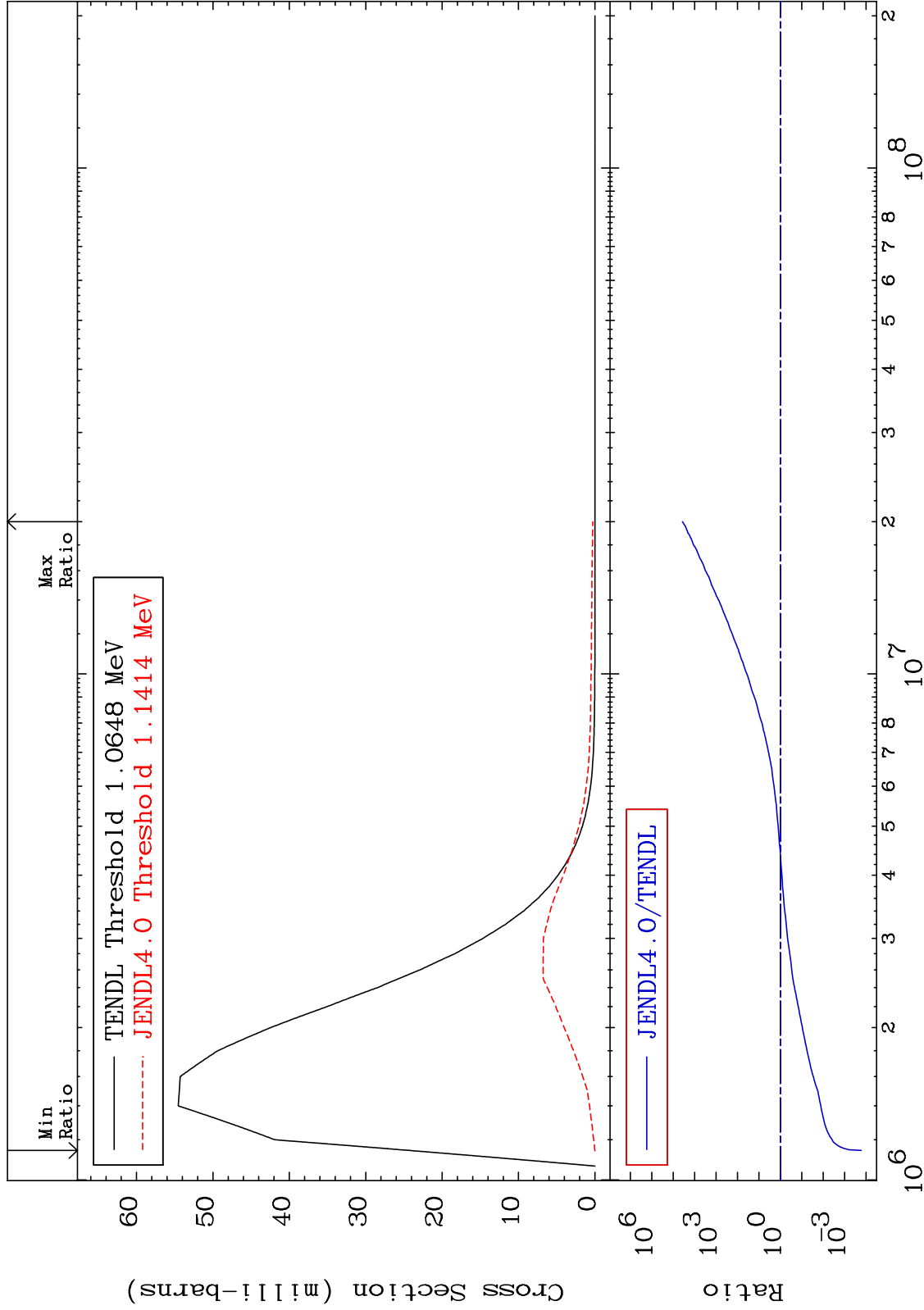
MAT 3434 MT= 70 (n,n') Level Cross Section 43.26 To 9999. % 34-Se-77



MAT 3434

MT= 71 (n,n') Level  
Cross Section

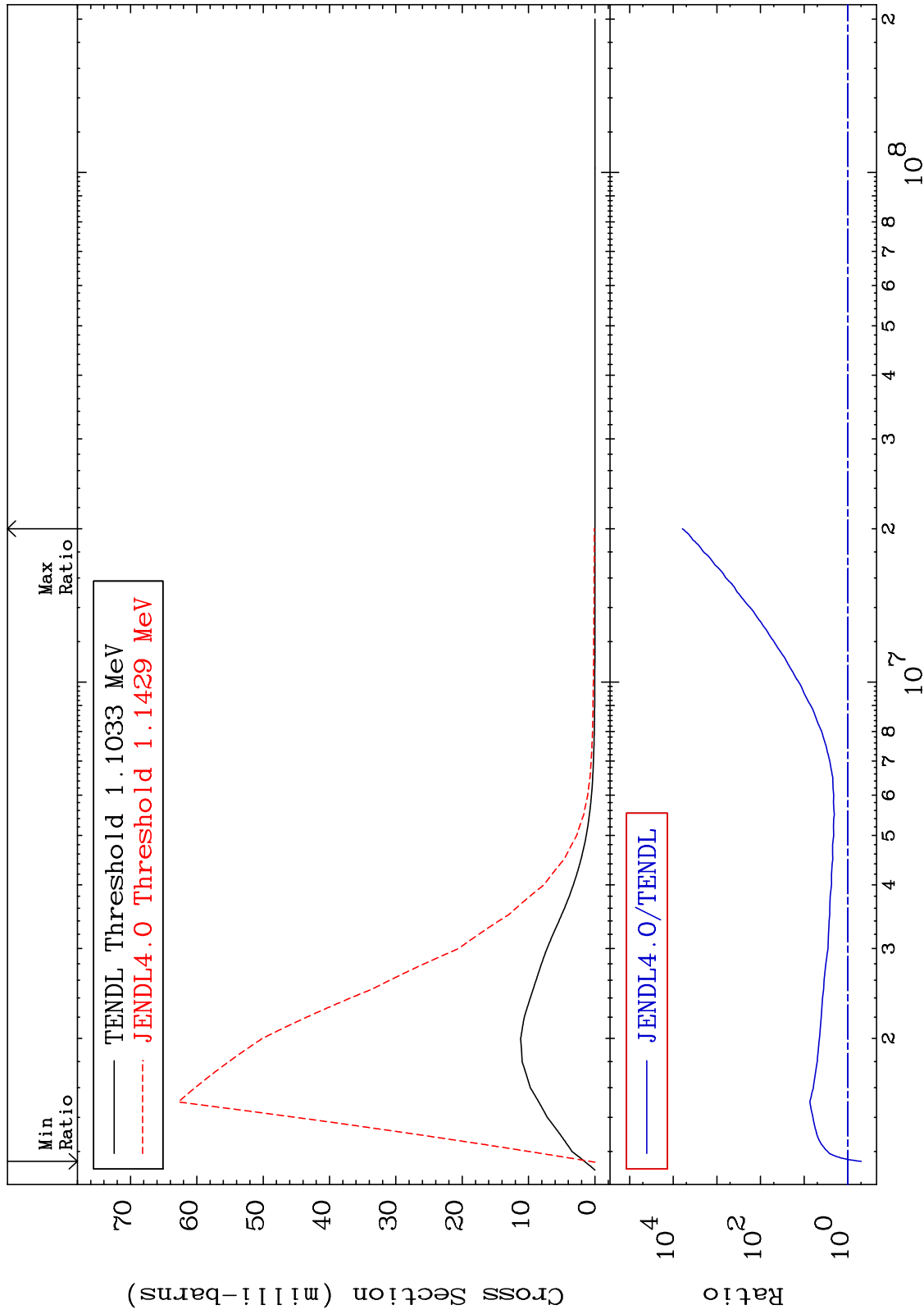
34-Se-77  
-99.98 To 9999. %



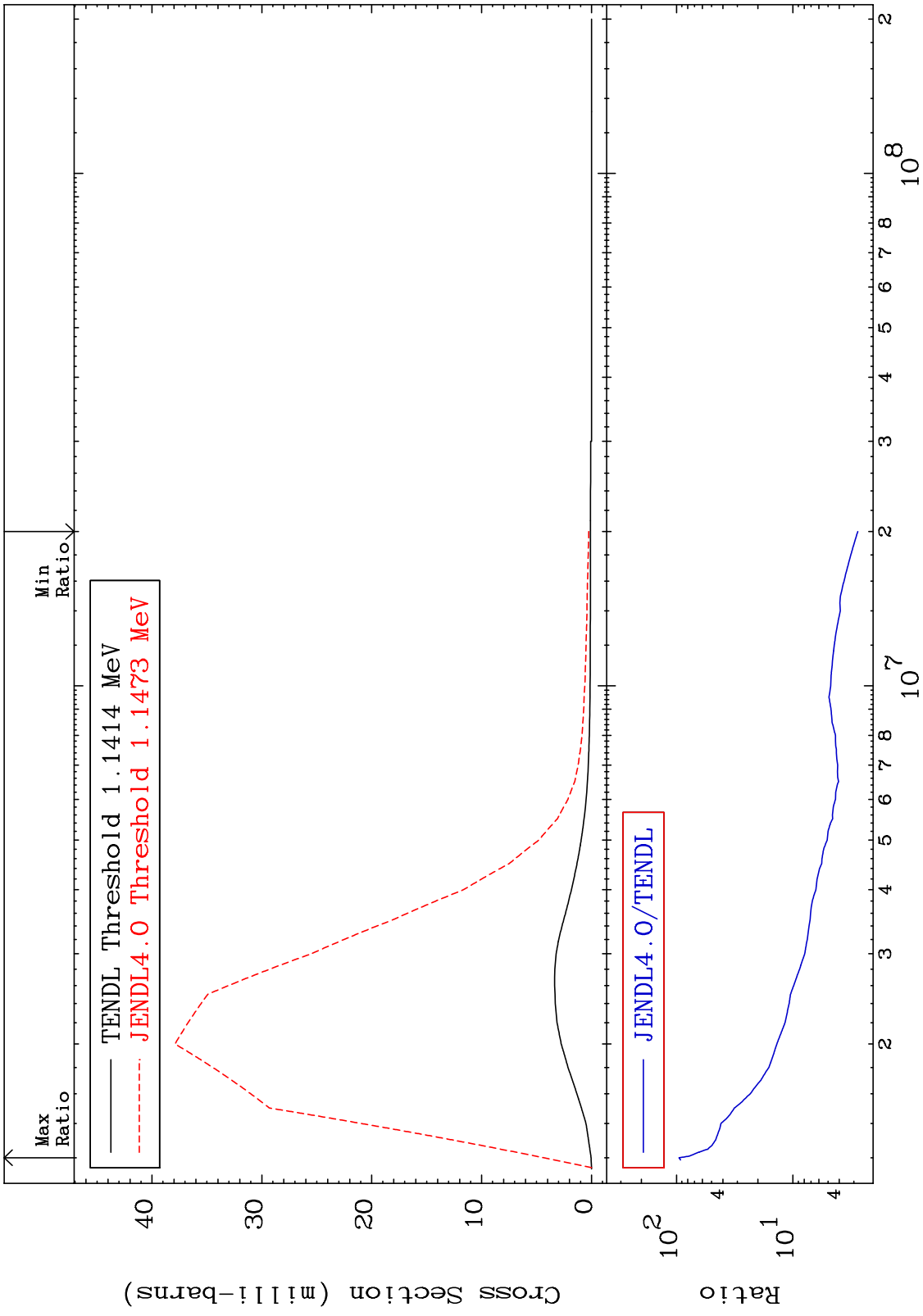
MAT 3434

MT= 72 (n,n') Level  
Cross Section

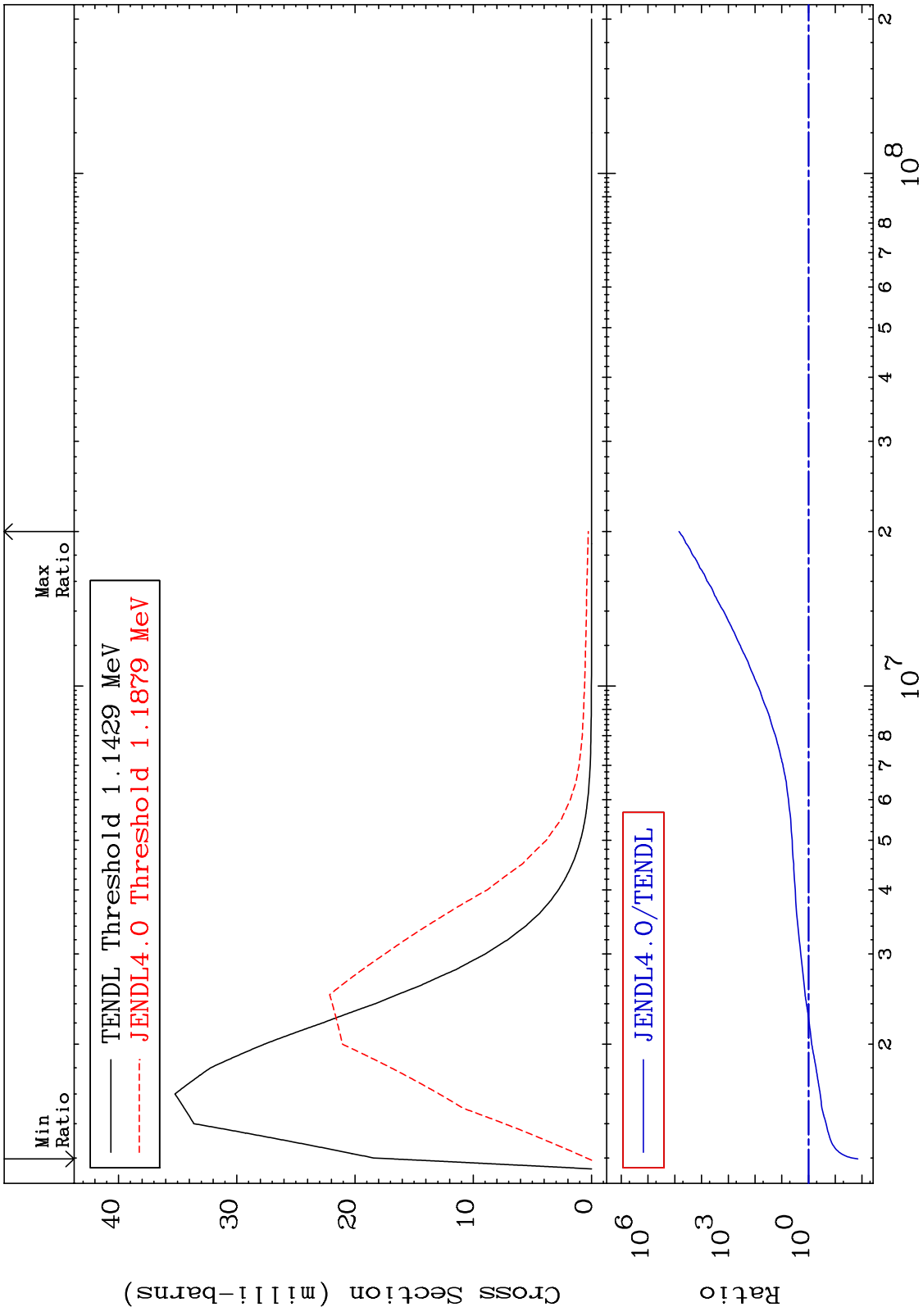
34-Se-77  
-50.86 To 9999. %



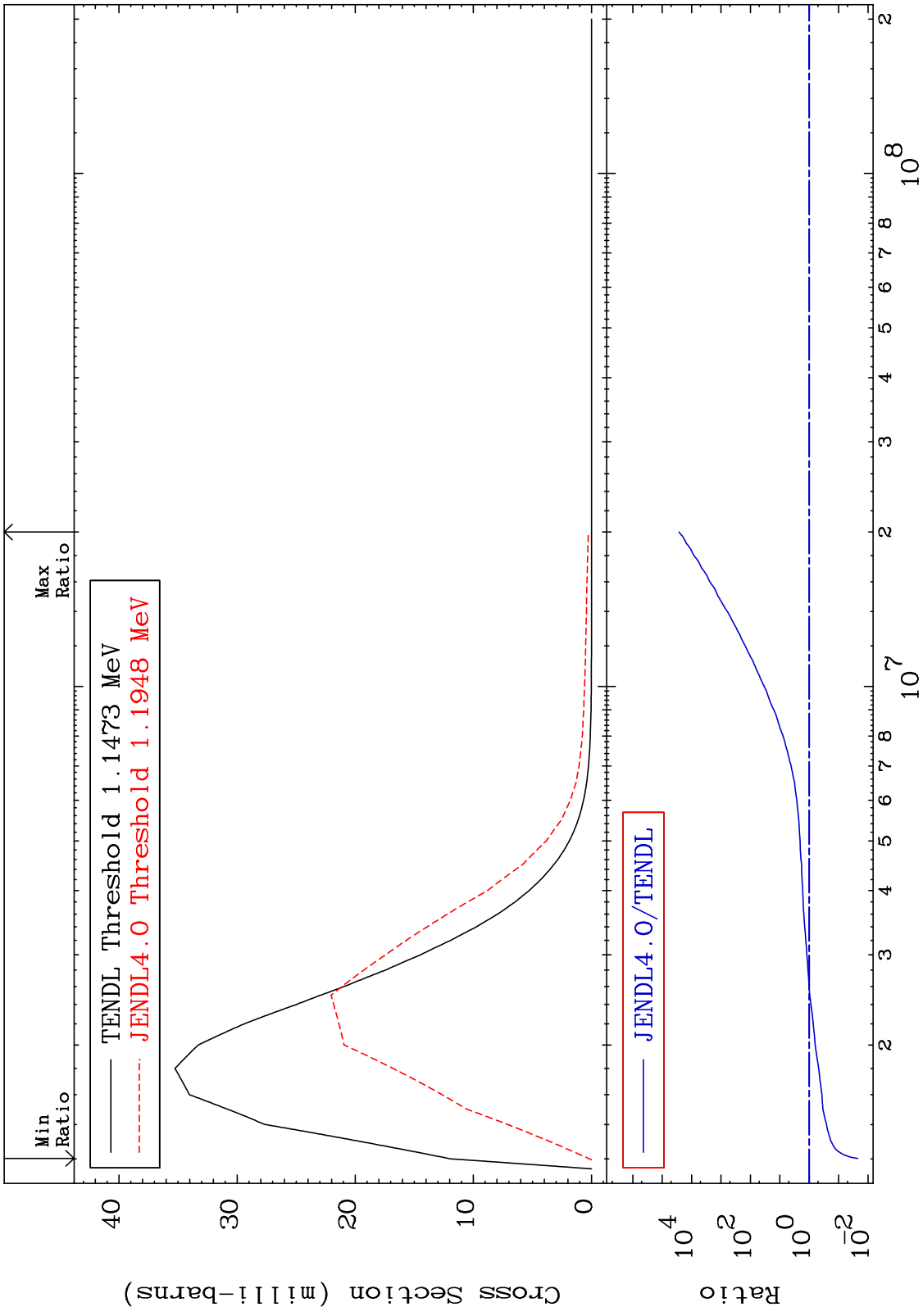
MAT 3434 MT= 73 (n,n') Level Cross Section 34-Se-77 177.1 To 9407. %



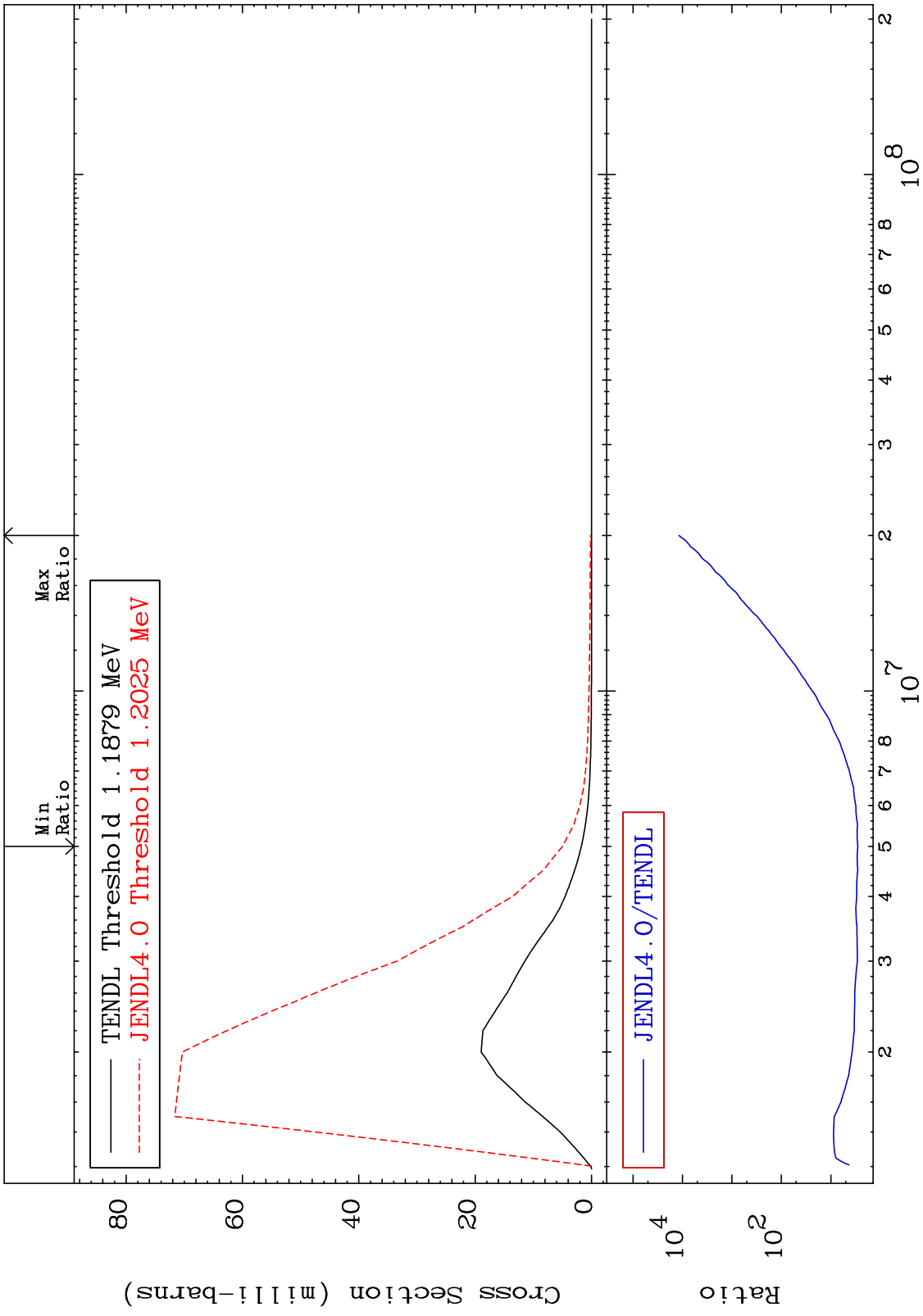
MAT 3434 MT= 74 (n,n') Level Cross Section 34-Se-77  
 -98.56 To 9999. %



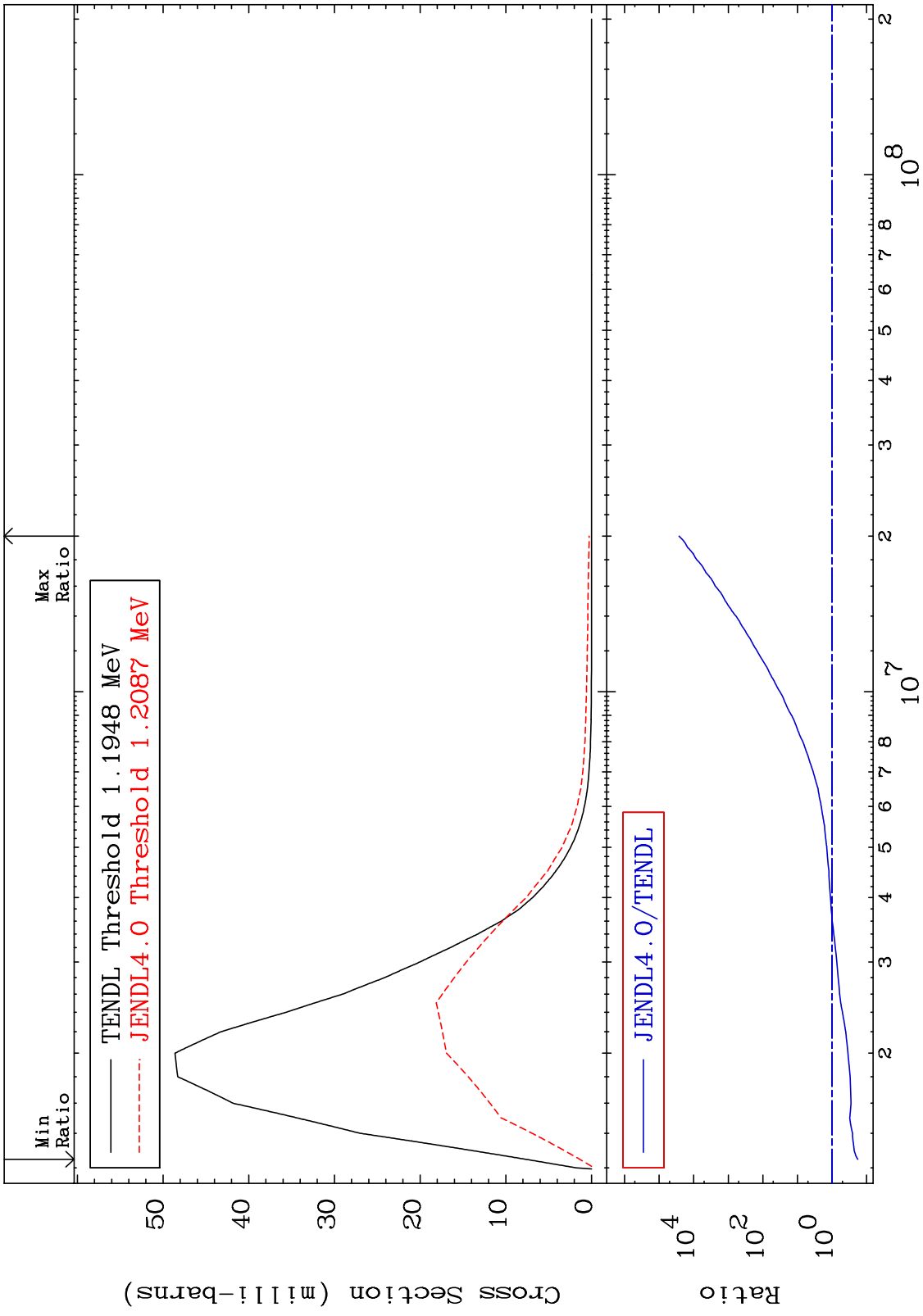
MAT 3434 MT= 75 (n,n') Level Cross Section 34-Se-77  
 -97.78 To 9999. %



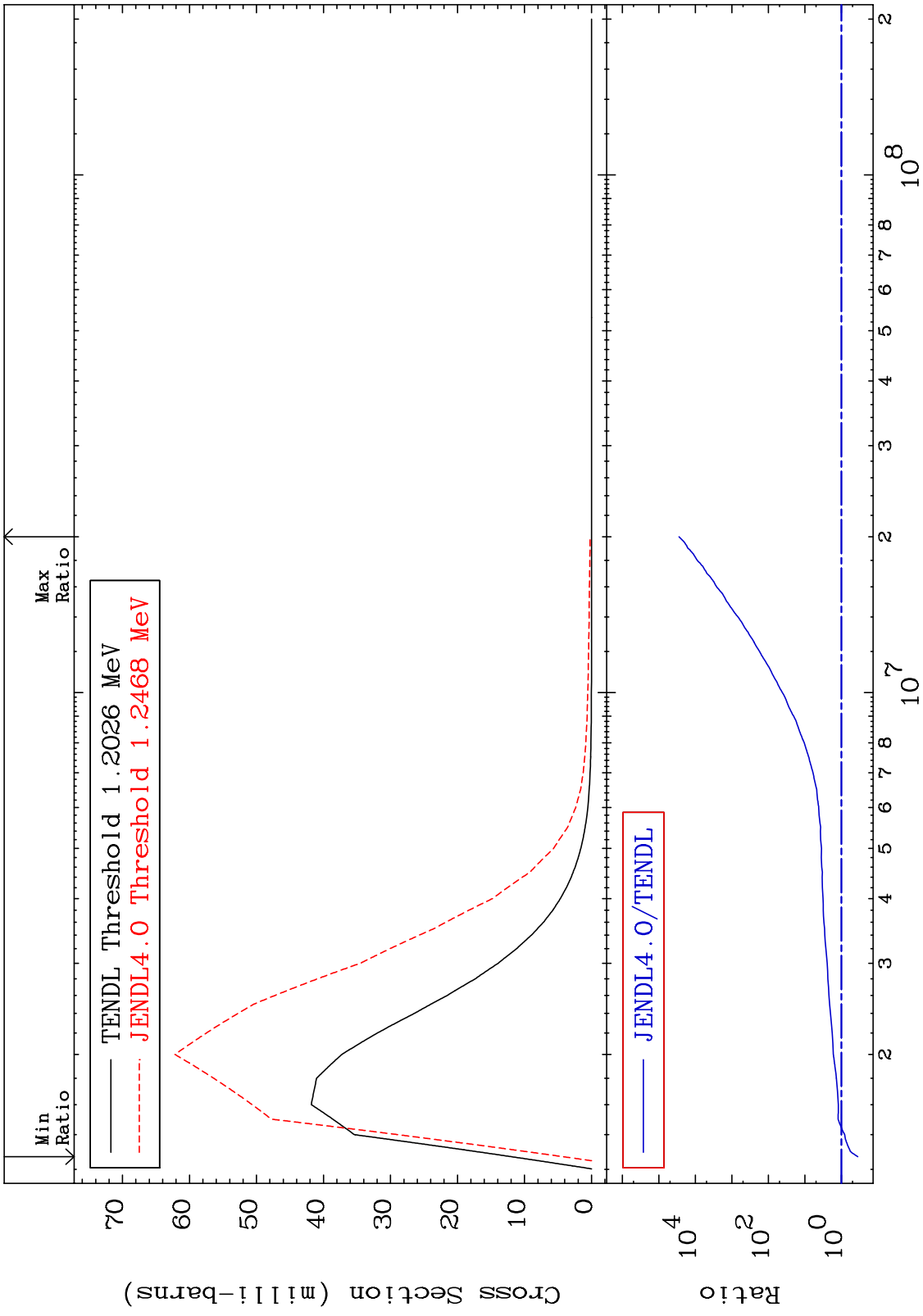
MAT 3434 MT= 76 (n,n') Level Cross Section 34-Se-77  
 184.0 To 9999. %



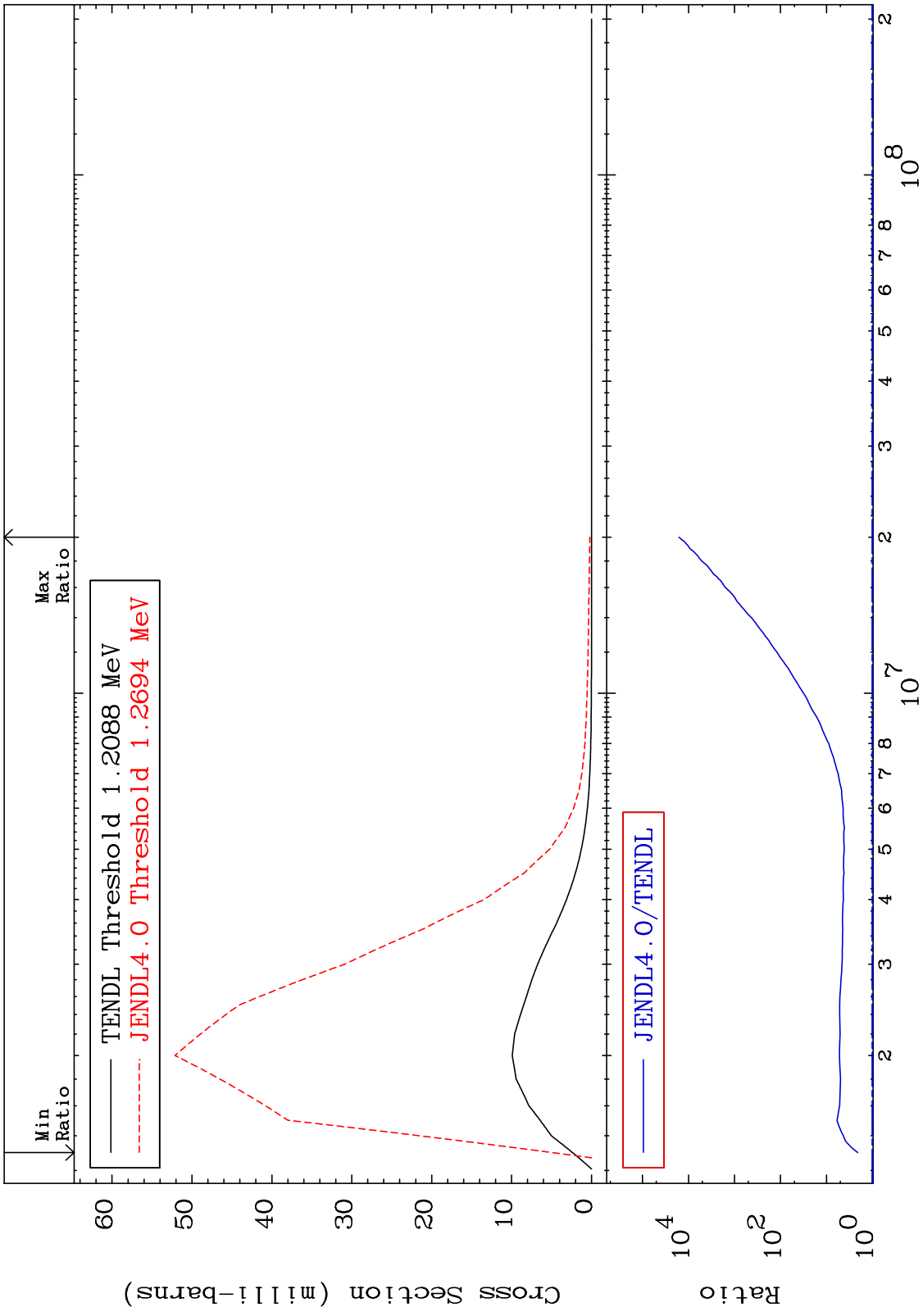
MAT 3434 MT= 77 (n,n') Level Cross Section 34-Se-77  
 -82.05 To 9999. %



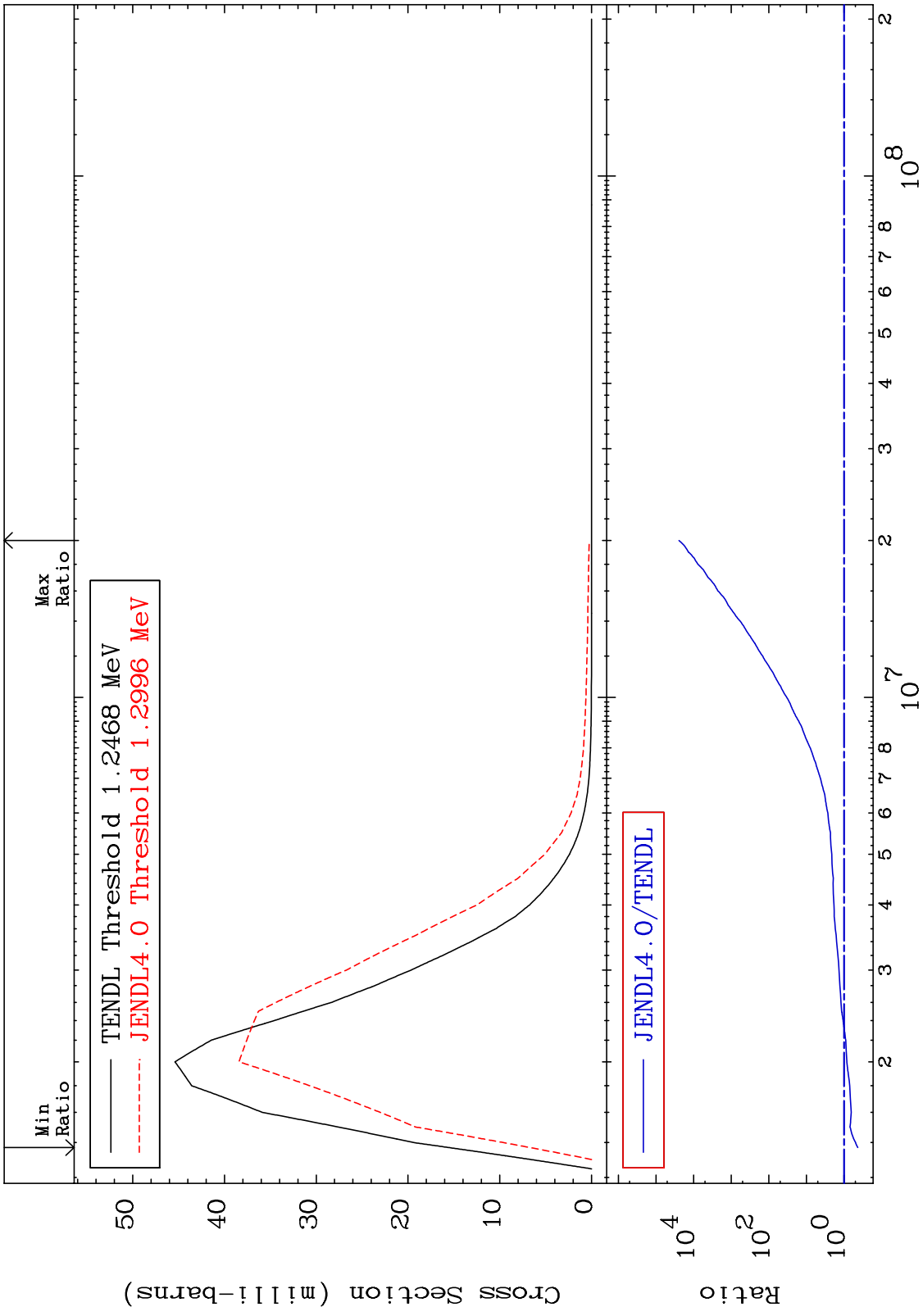
MAT 3434 MT= 78 (n,n') Level Cross Section 34-Se-77  
 -64.37 To 9999. %



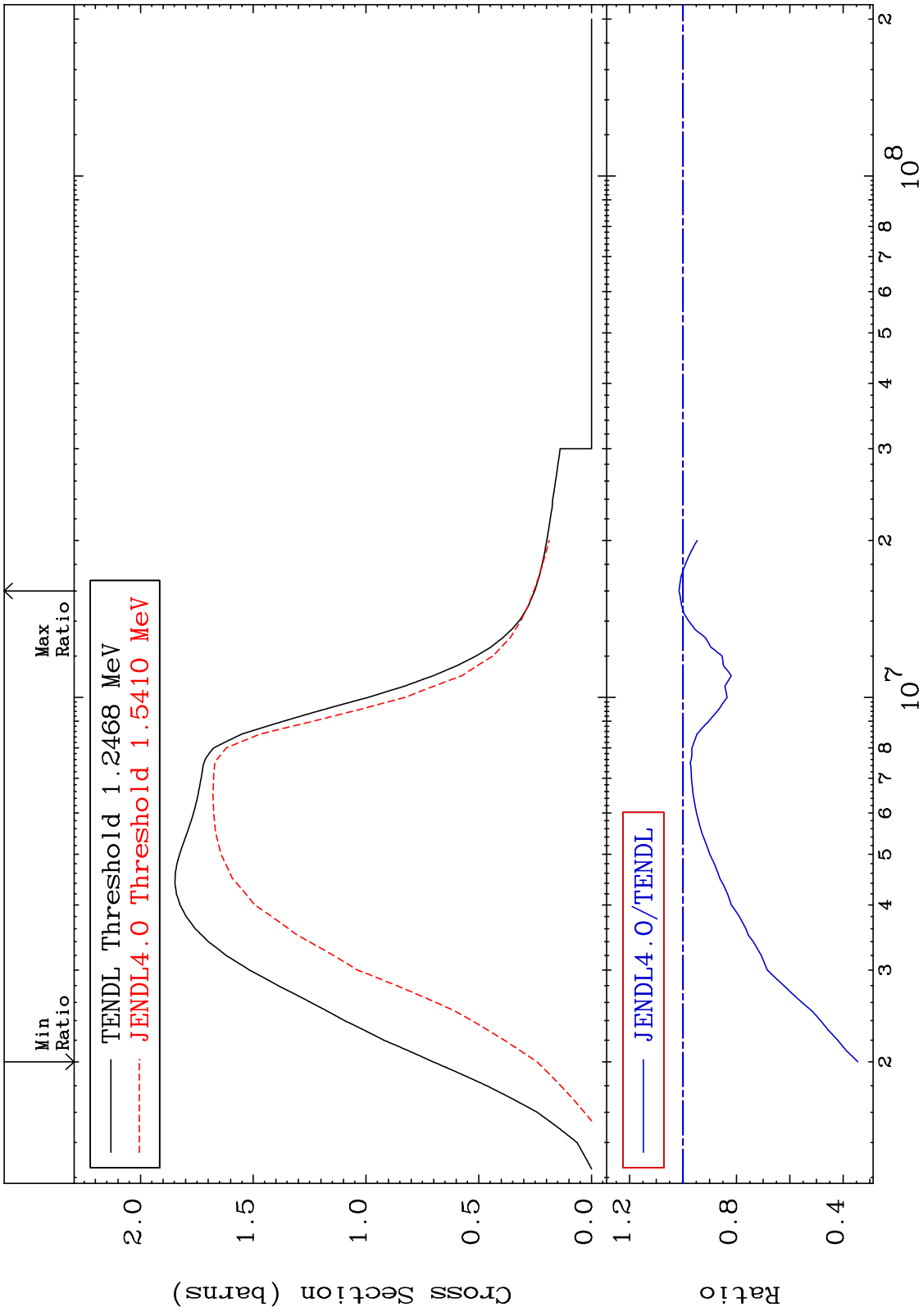
MAT 3434 MT= 79 (n,n') Level Cross Section 108.3 To 9999. % 34-Se-77



MAT 3434 MT= 80 (n,n') Level Cross Section 34-Se-77  
 -56.95 To 9999. %



MAT 3434  $(n, n')$  Continuum Cross Section  $^{34}\text{Se-77}$   
 -65.53 To 1.482 %

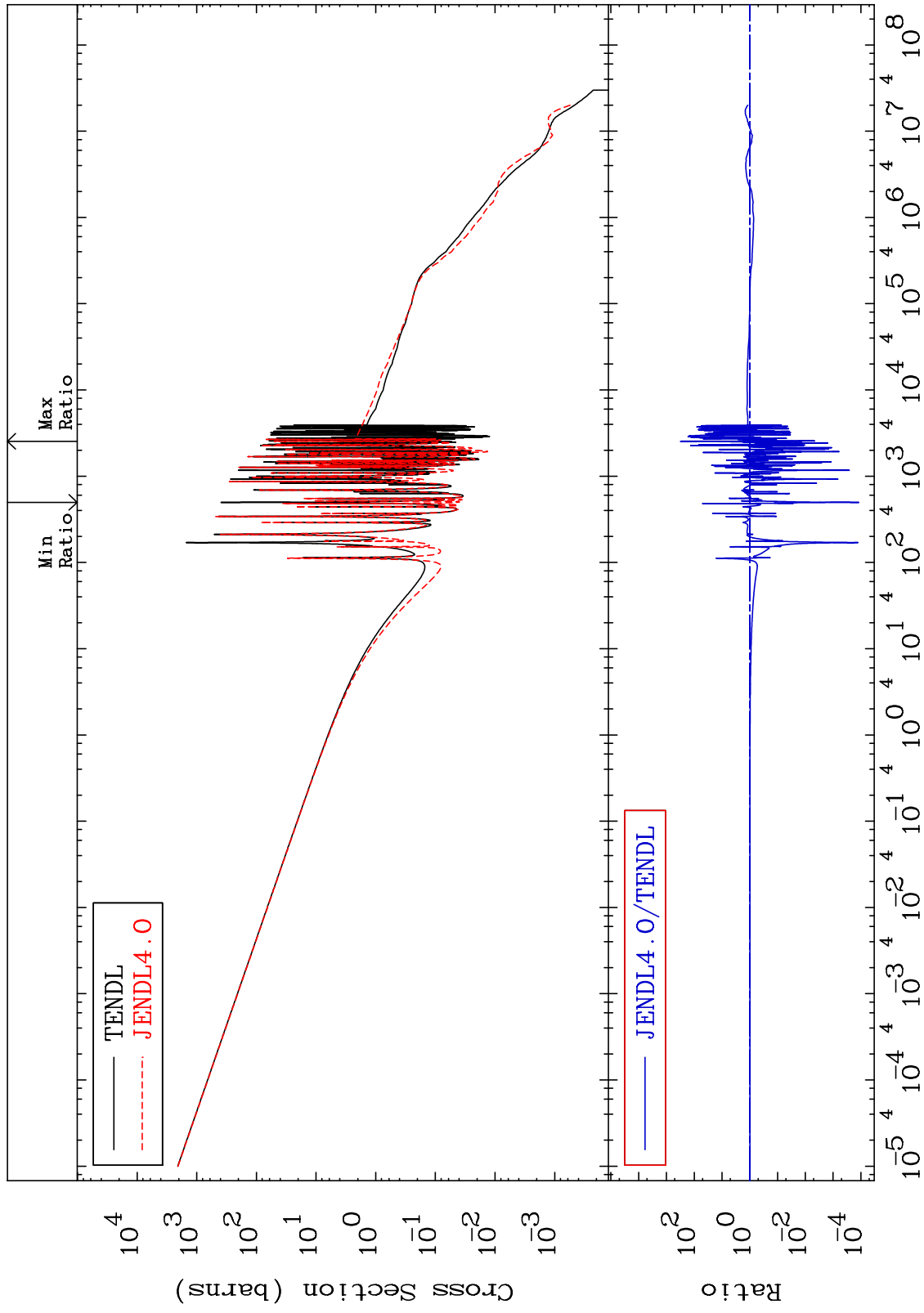


MAT 3434

34-Se-77

-99.99 To 9999. %

(n,  $\gamma$ )  
Cross Section



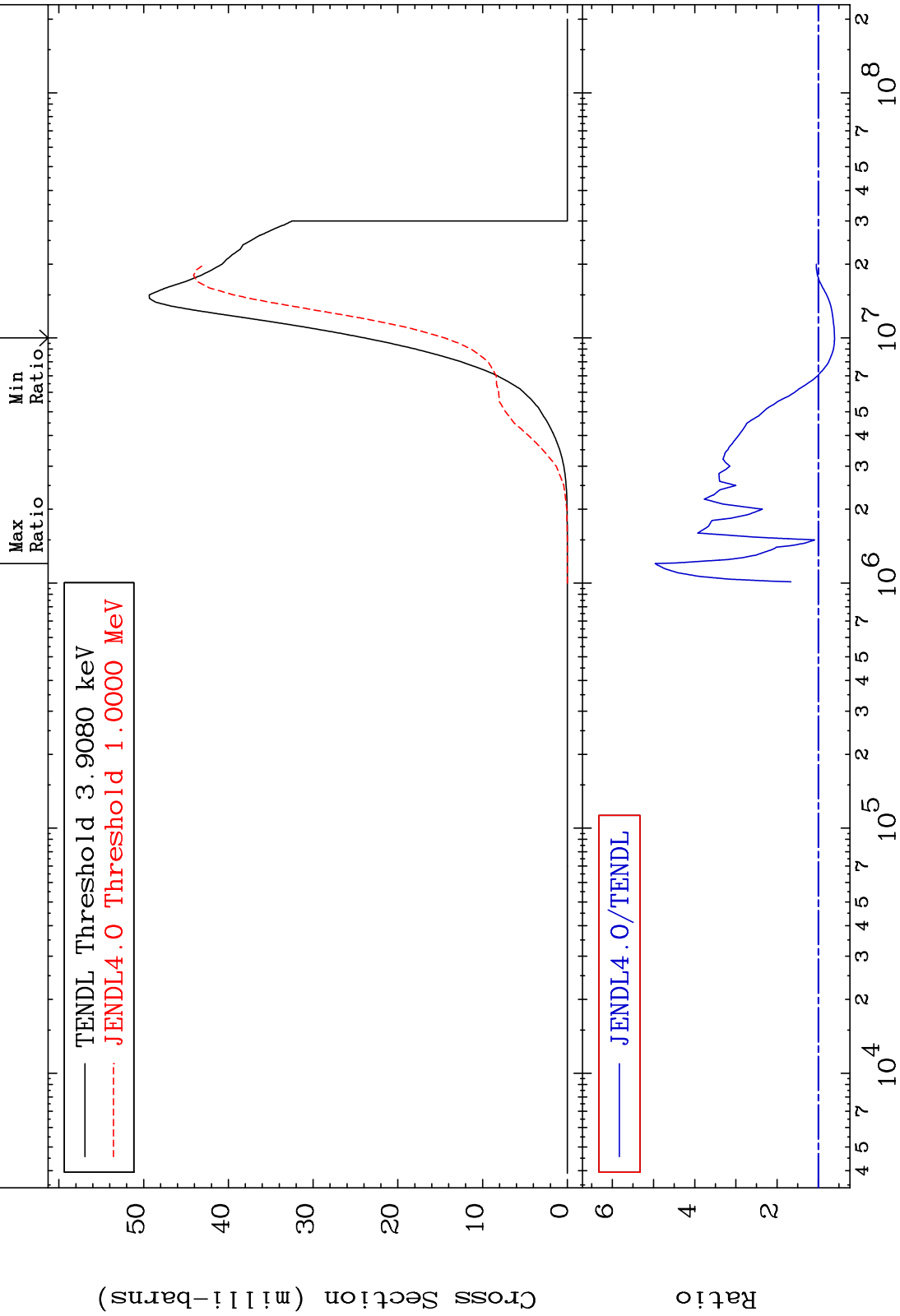
MAT 3434

(n,p)

<sup>34</sup>Se-77

Cross Section

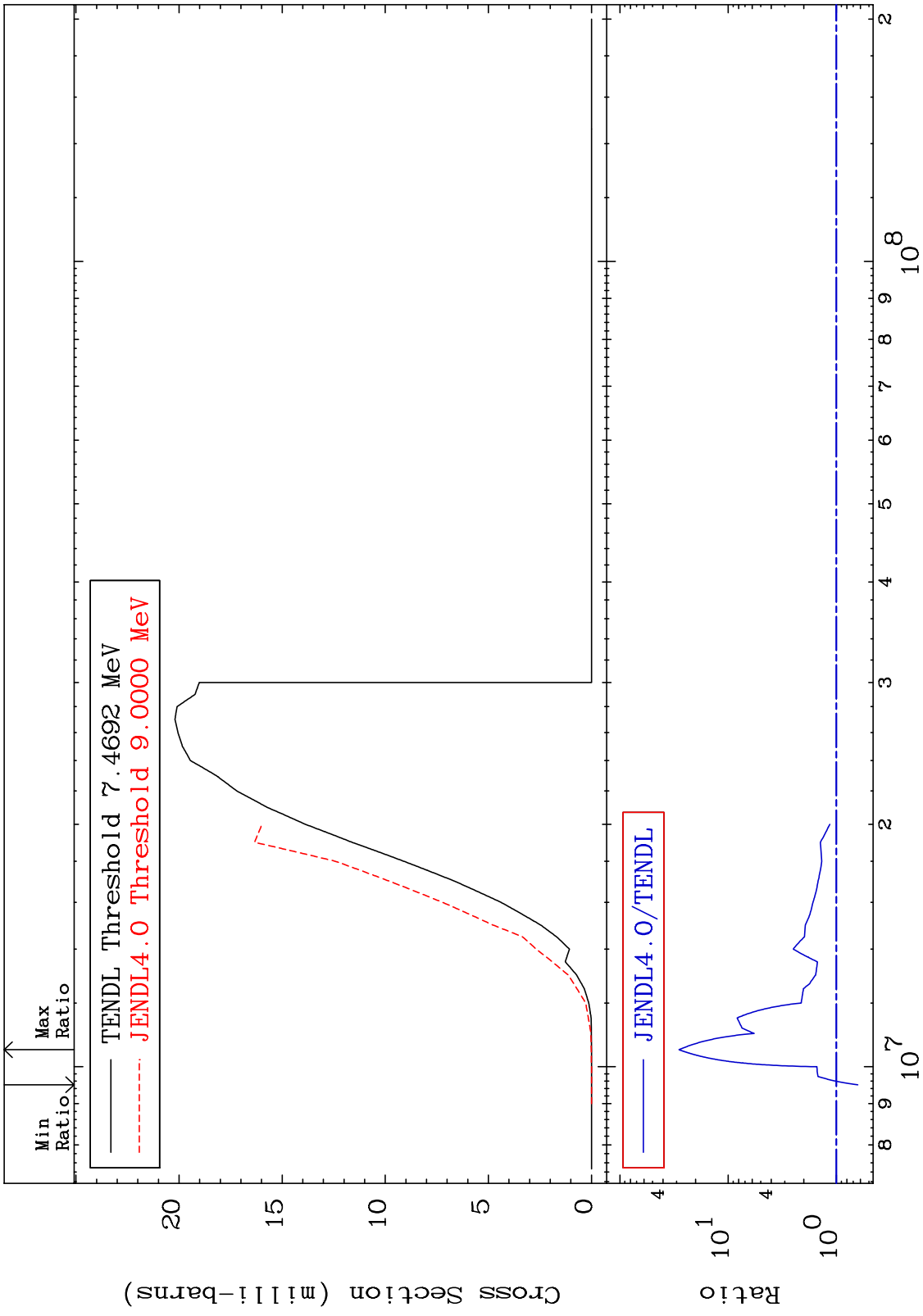
-39.51 To 396.0 %

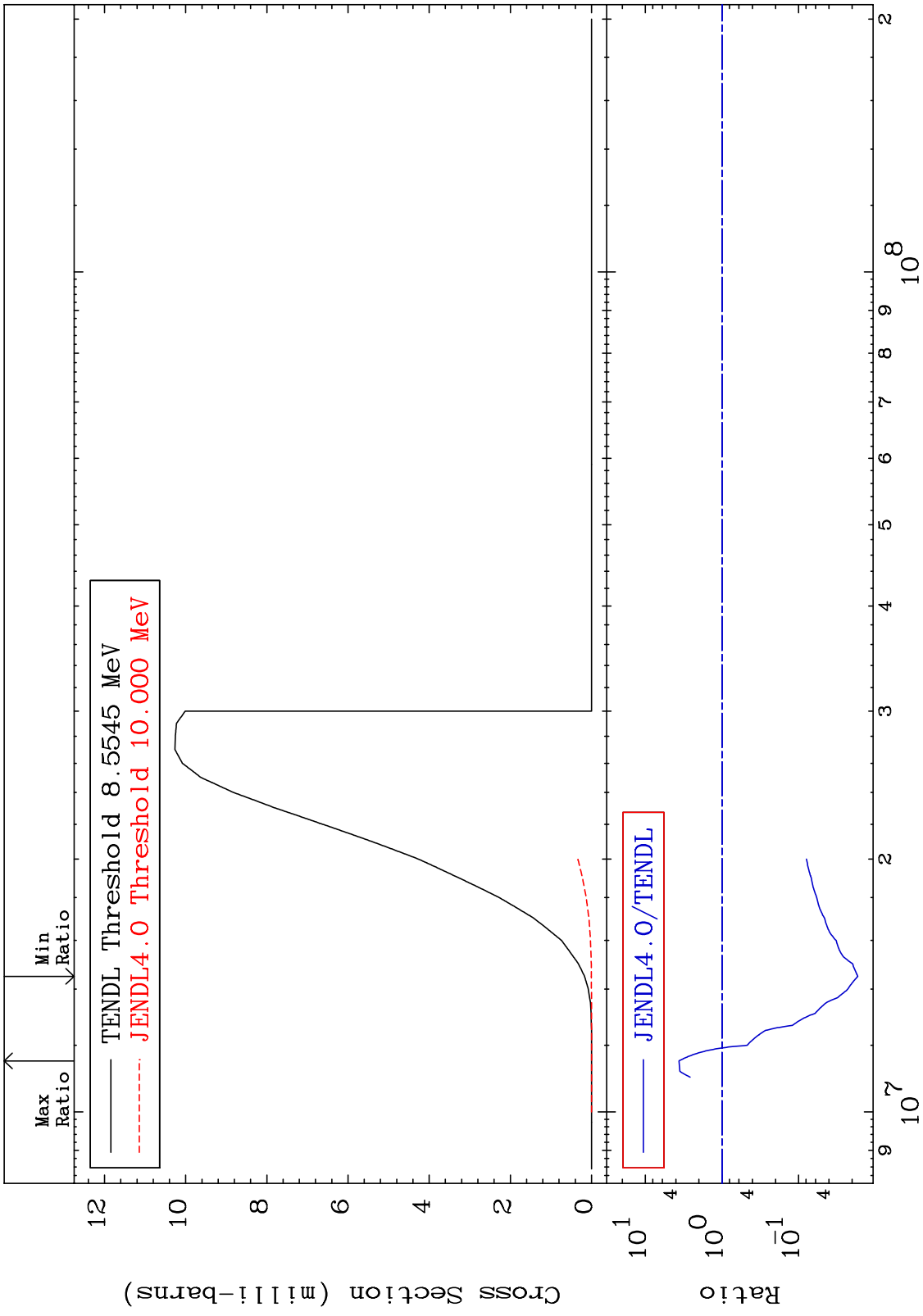


40

Incident Energy (eV)

<sup>34</sup>Se-77





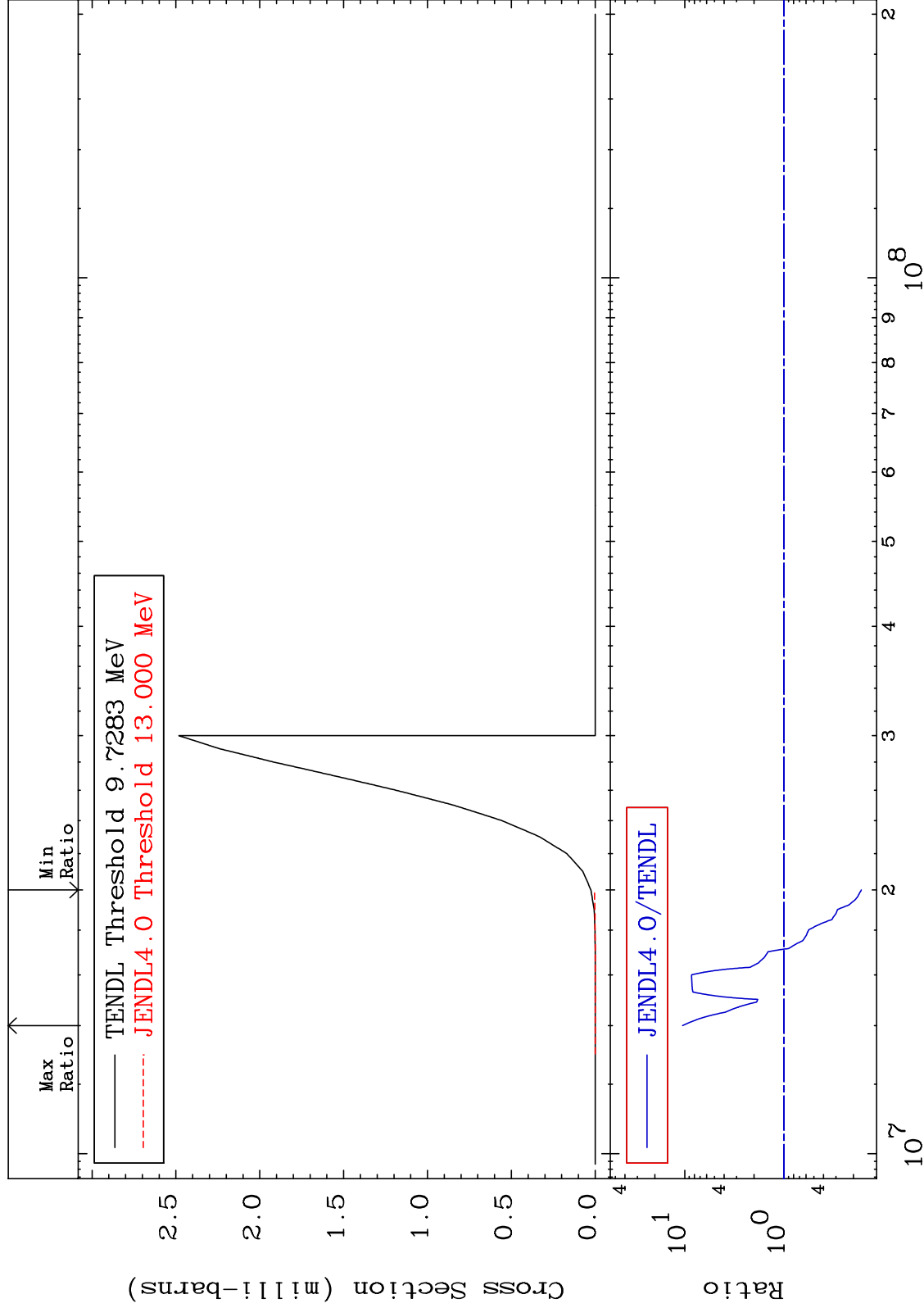
MAT 3434

(n, He-3)

34-Se-77

Cross Section

-83.34 To 947.7 %



43

Incident Energy (eV)

34-Se-77

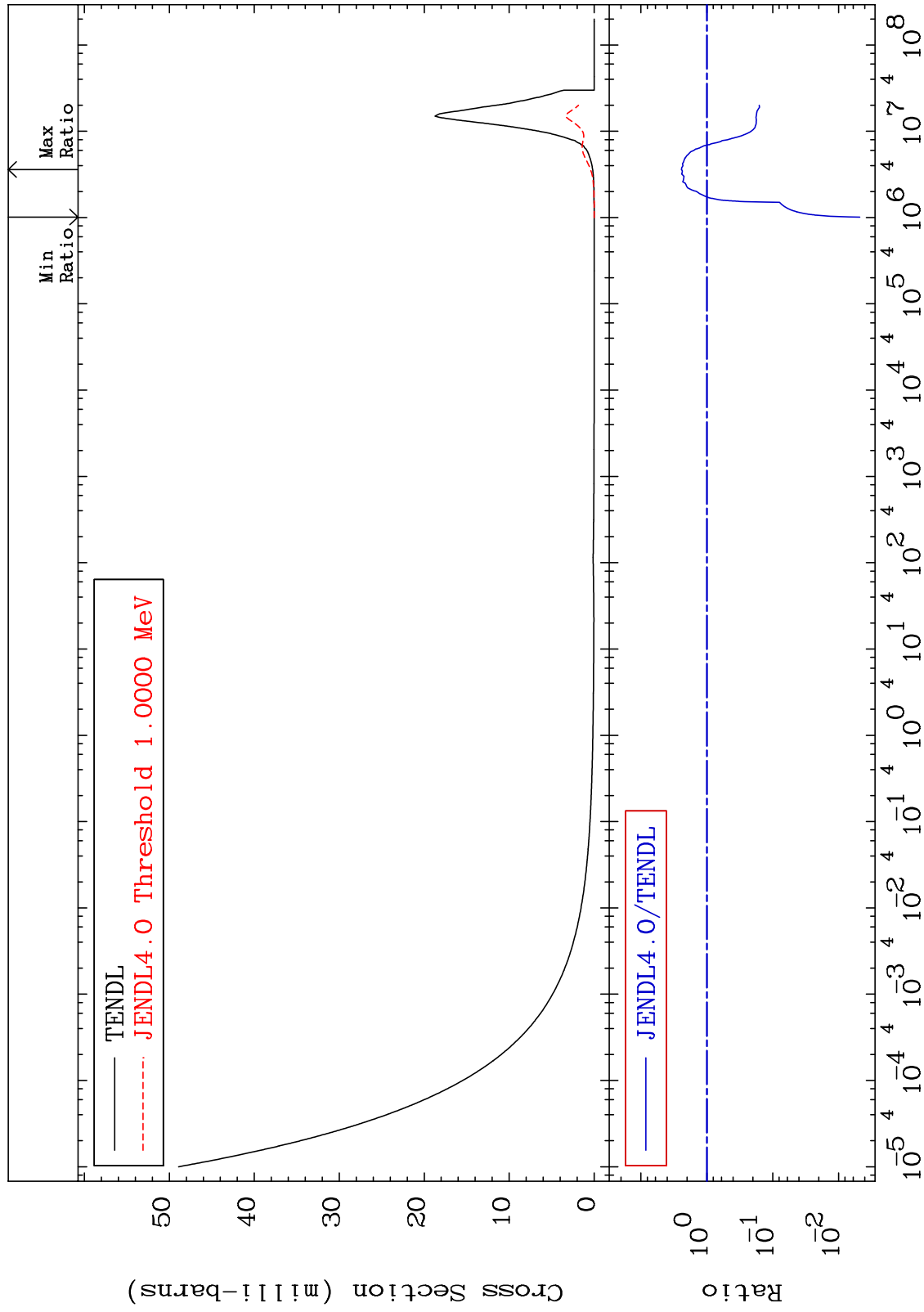
MAT 3434

(n,  $\alpha$ )

<sup>34</sup>Se-77

Cross Section

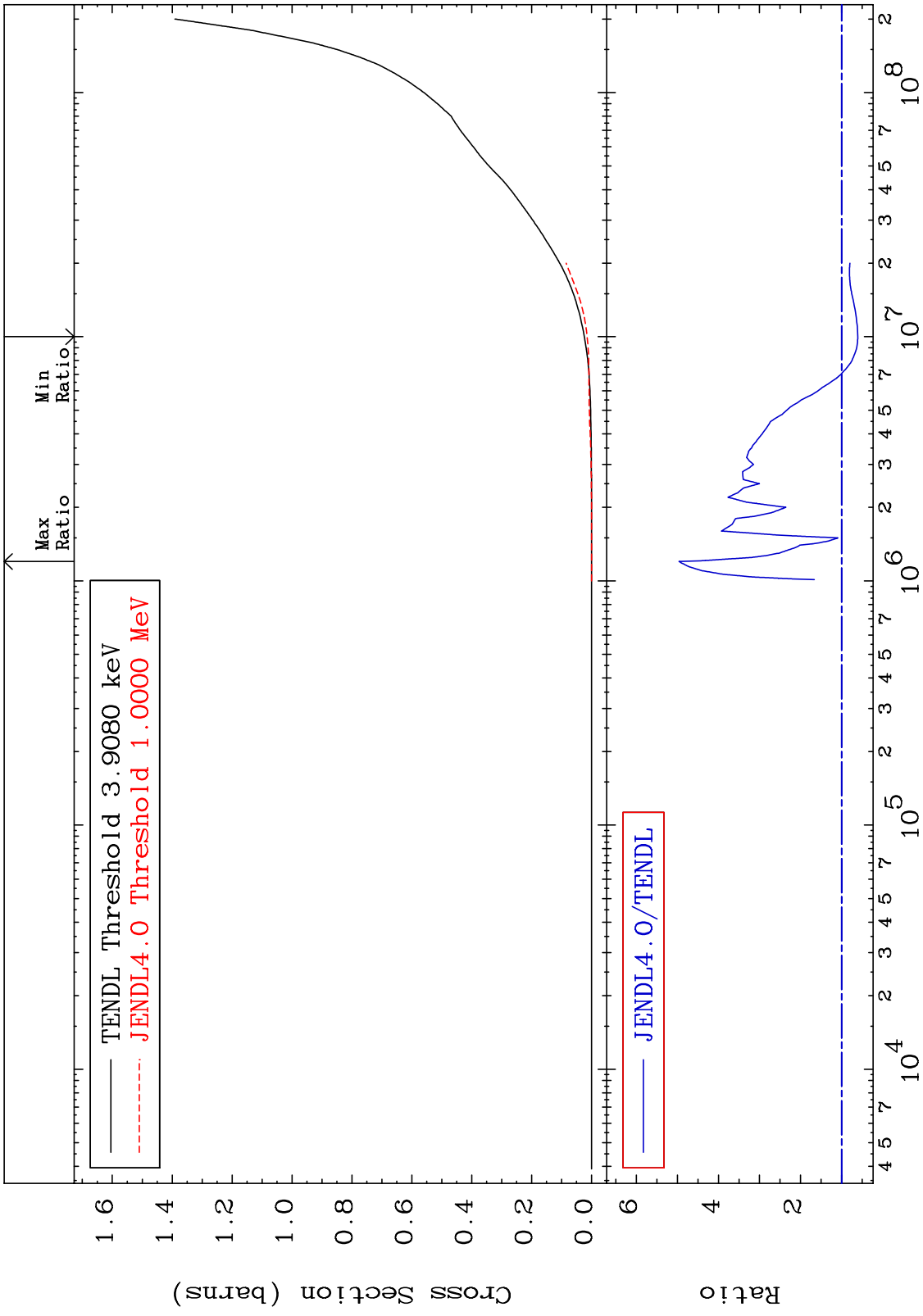
-99.52 To 142.4 %



MAT 3434

Hydrogen Production  
Cross Section

<sup>34</sup>Se-77  
-39.51 To 396.0 %



45

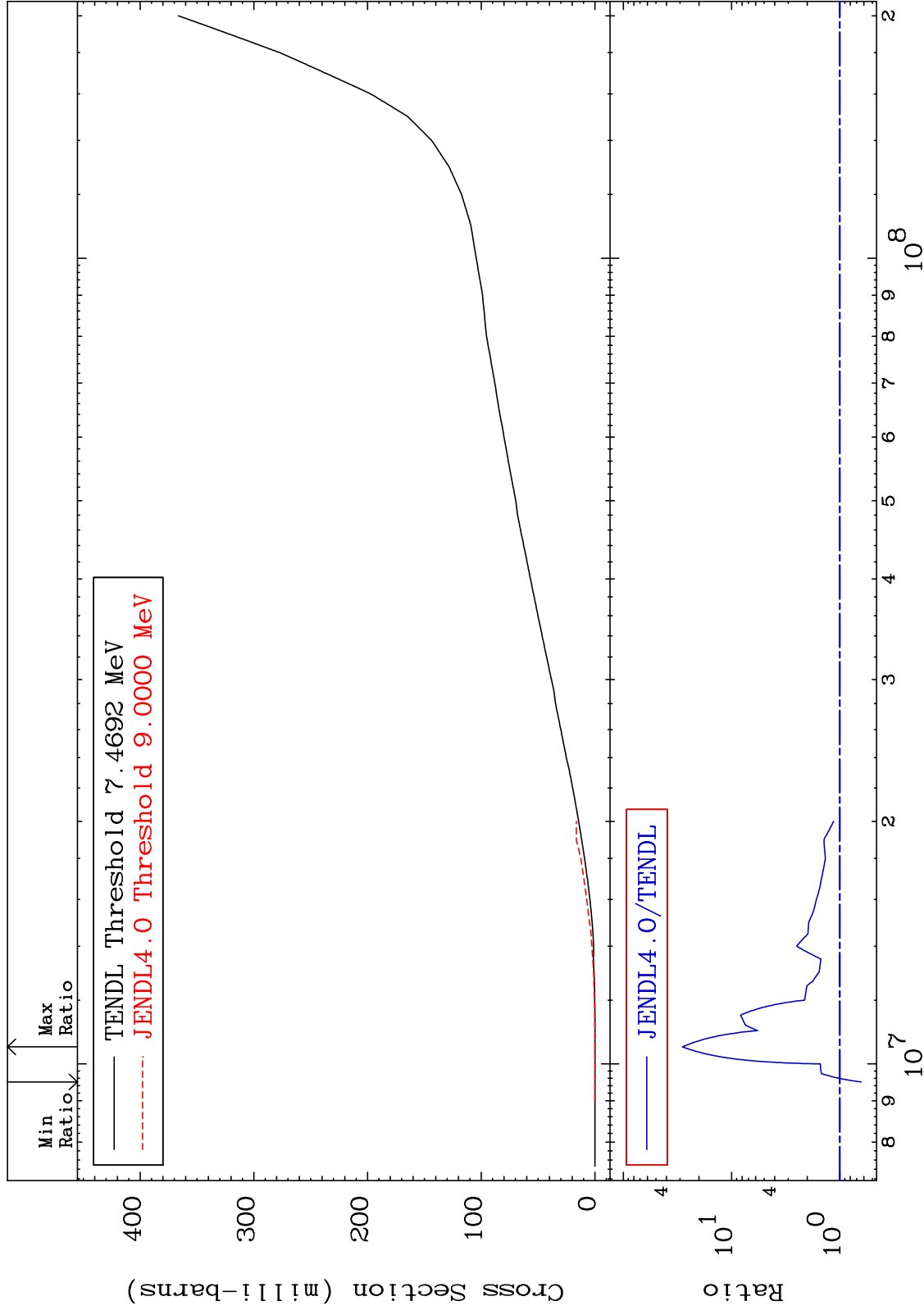
Incident Energy (eV)

<sup>34</sup>Se-77

MAT 3434

Deuterium Production  
Cross Section

<sup>34</sup>Se-77  
-36.58 To 2742. %



46

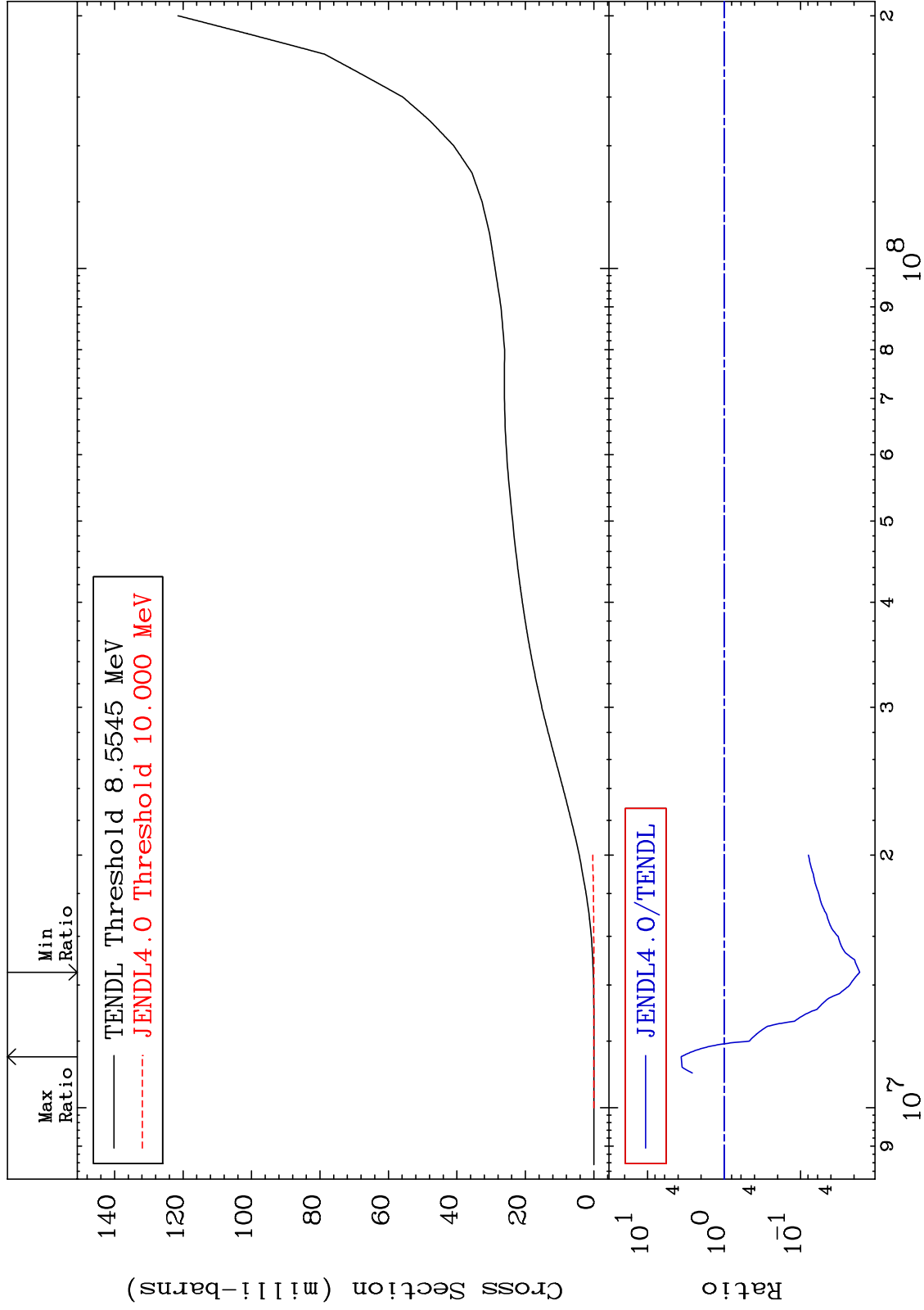
Incident Energy (eV)

<sup>34</sup>Se-77

MAT 3434

Tritium Production  
Cross Section

<sup>34</sup>Se-77  
-98.32 To 263.2 %



47

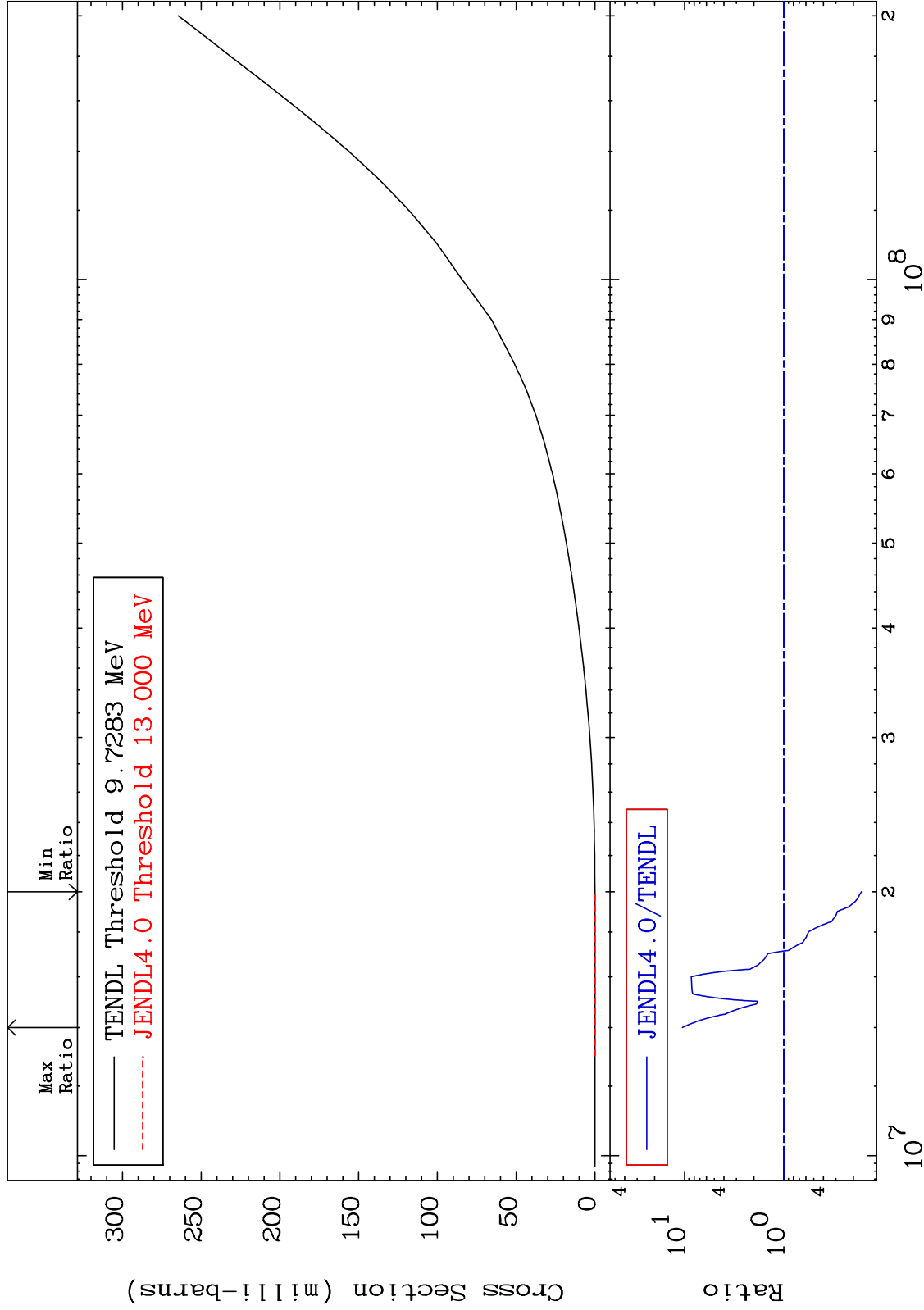
Incident Energy (eV)

<sup>34</sup>Se-77

MAT 3434

He-3 Production  
Cross Section

34-Se-77  
-83.34 To 947.7 %



48

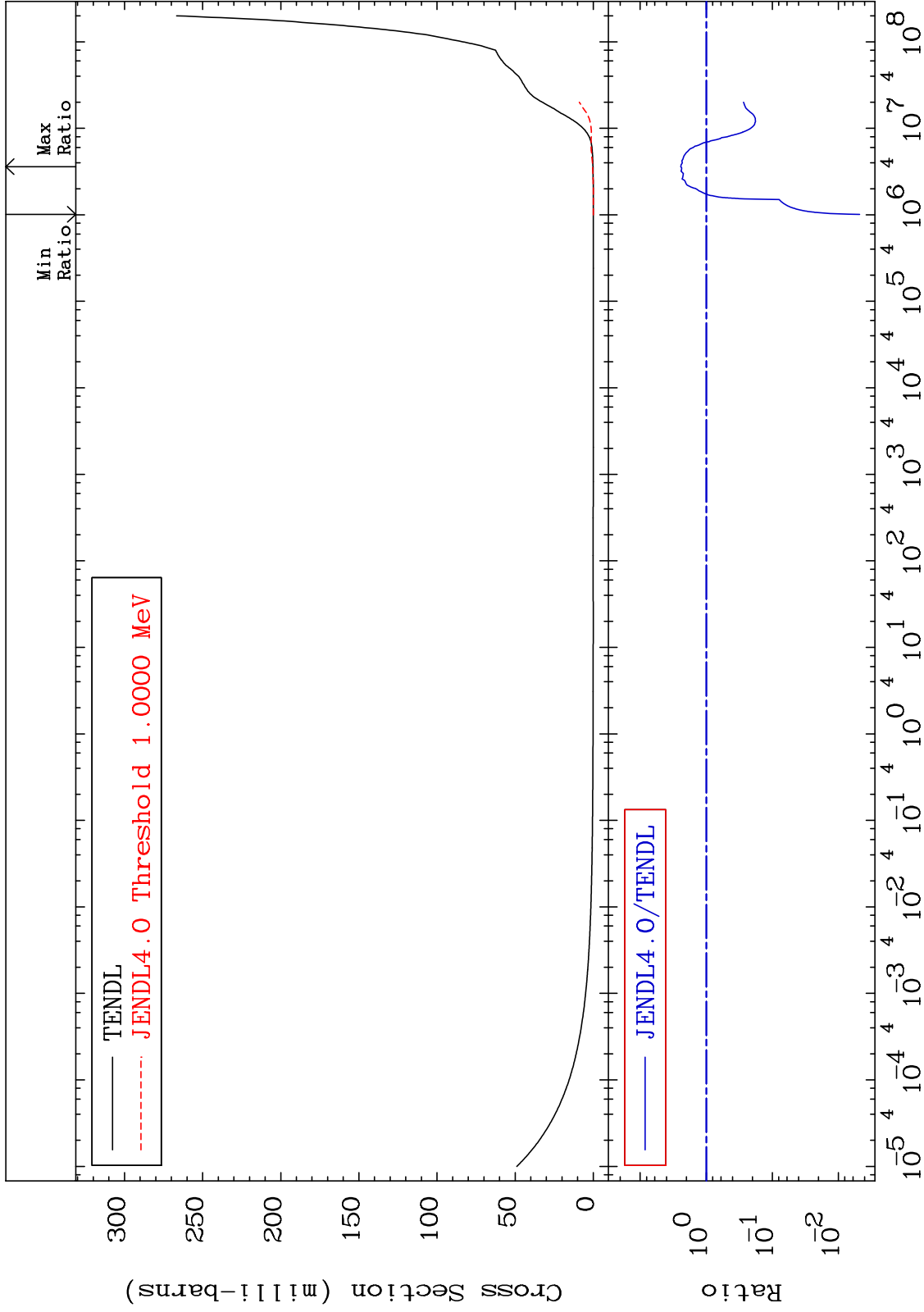
Incident Energy (eV)

34-Se-77

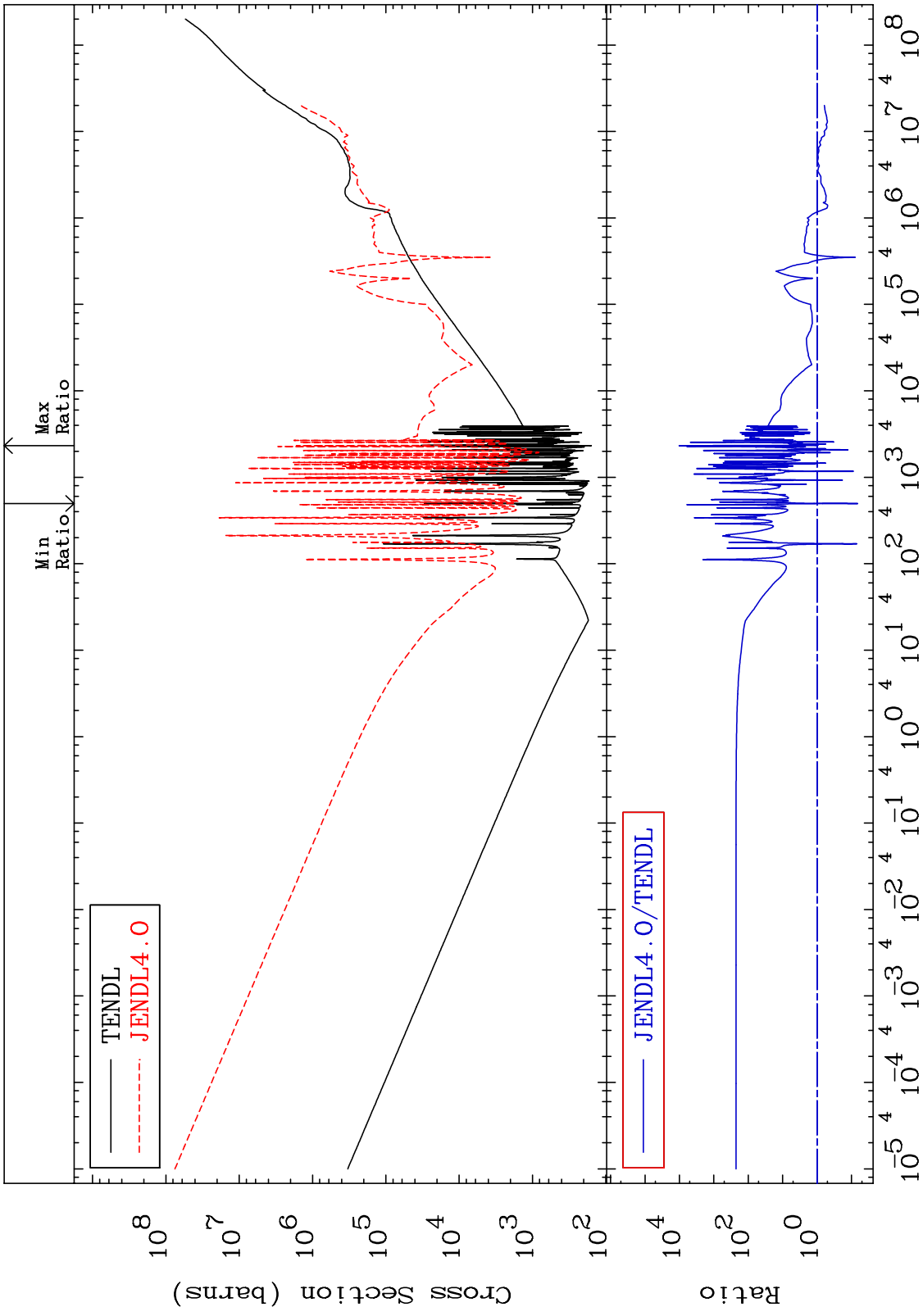
MAT 3434

He-4 Production  
Cross Section

34-Se-77  
-99.52 To 142.4 %



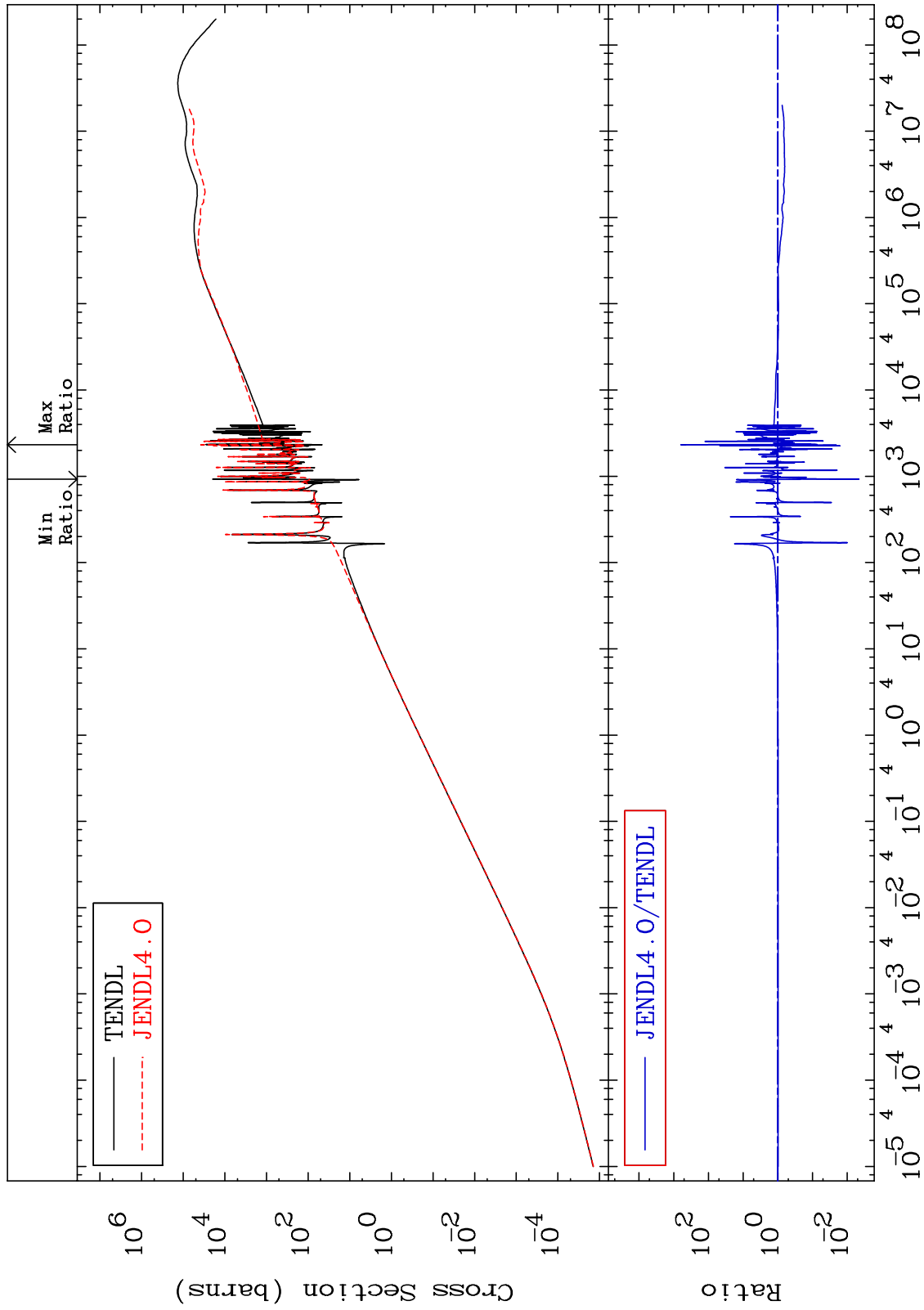
MAT 3434      Kerma total (eV-barns)      Cross Section      34-Se-77  
 -93.45 To 9999. %



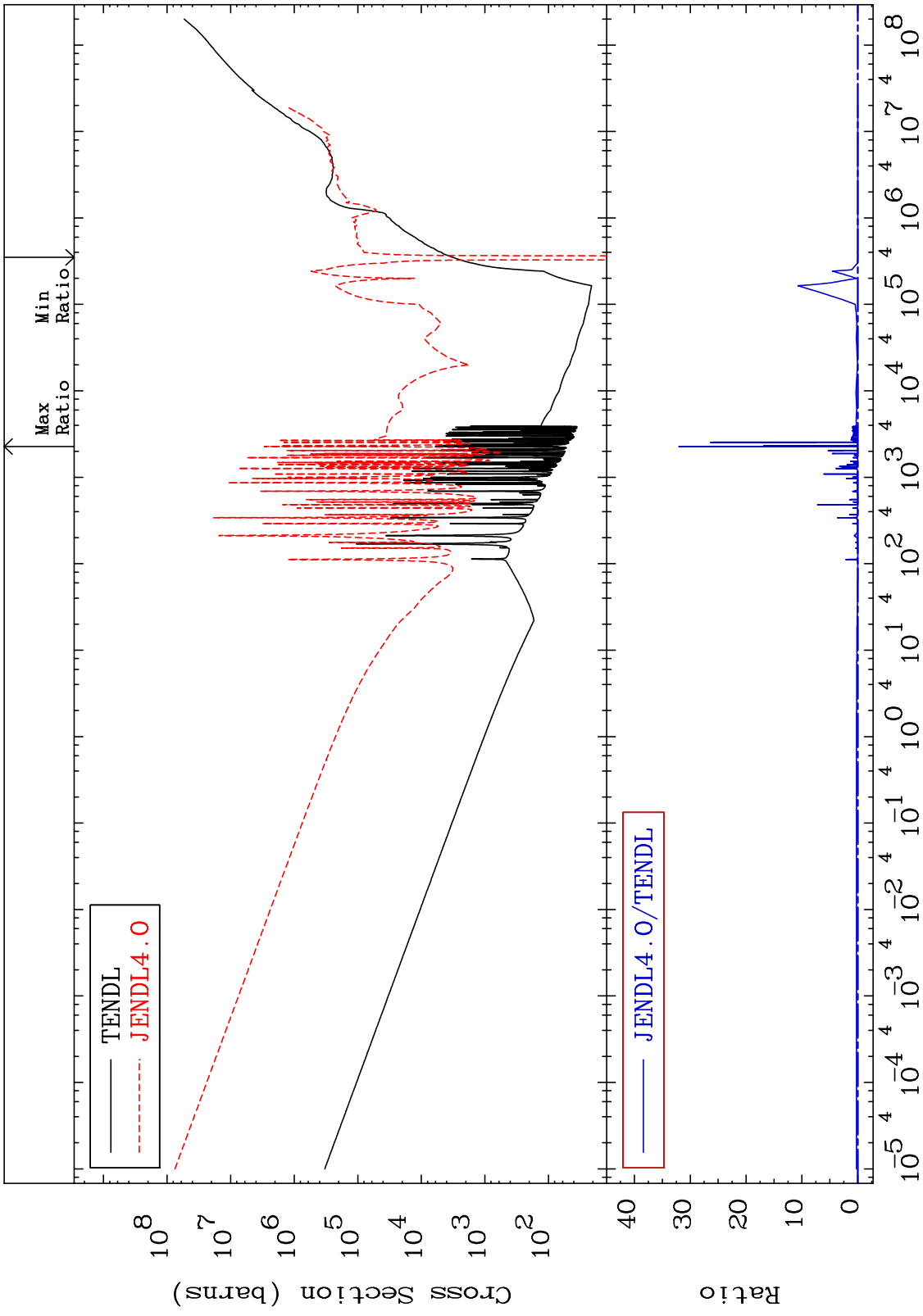
MAT 3434

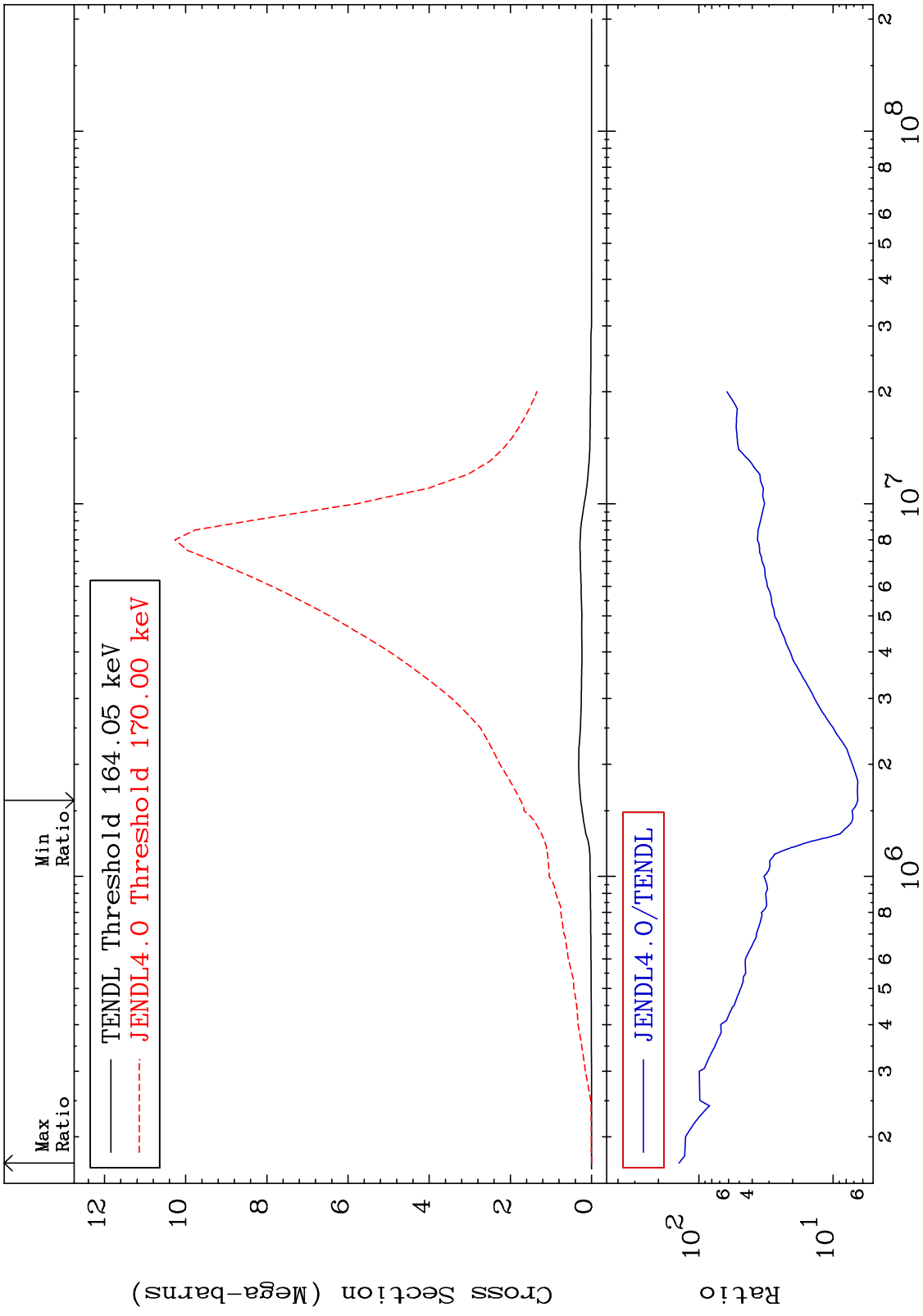
Kerma elastic  
Cross Section

34-Se-77  
-99.54 To 9999. %



MAT 3434 Kerma non-elastic (all but mt2) Cross Section -1292. To 9999. % 34-Se-77

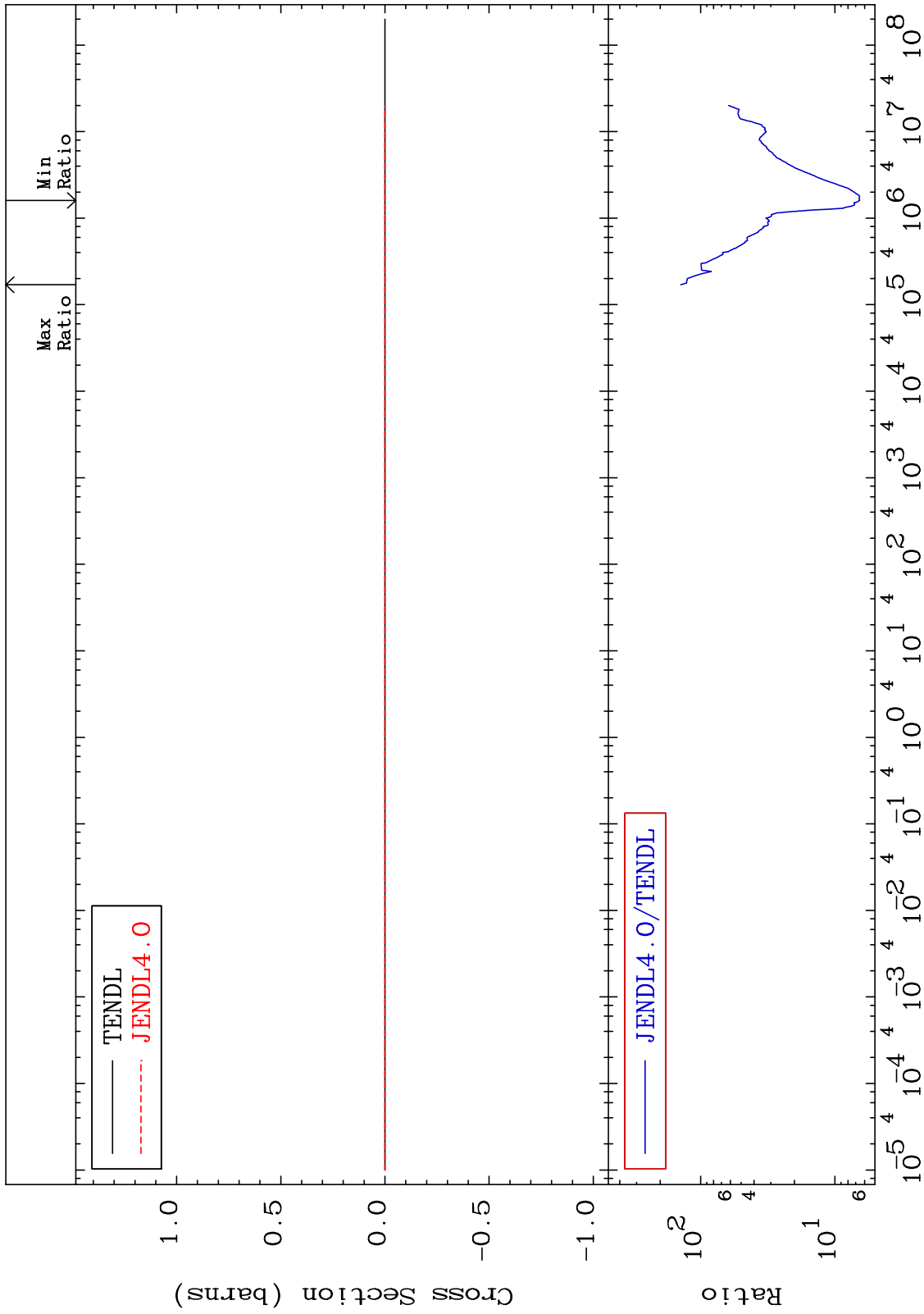




MAT 3434

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

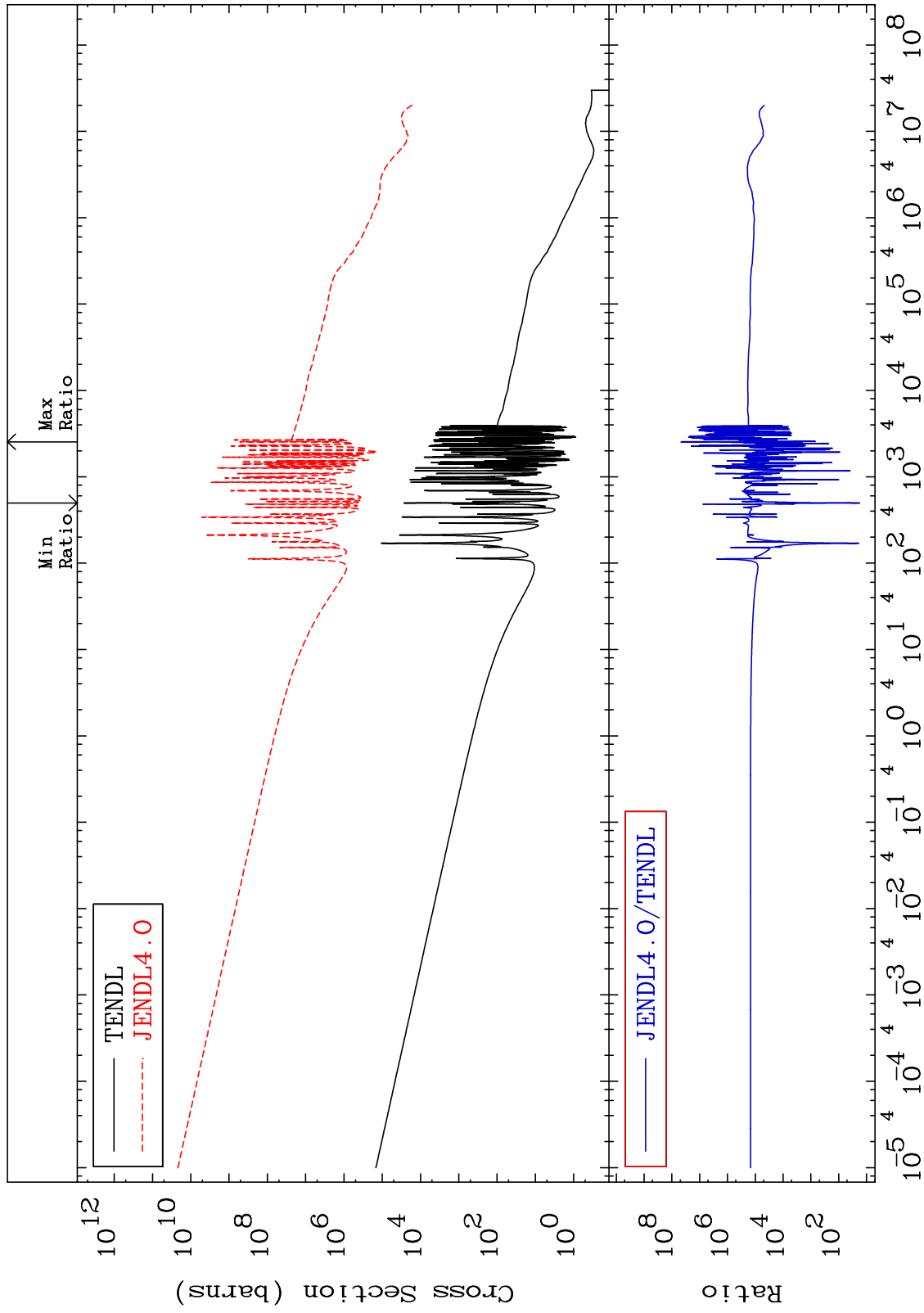
34-Se-77  
554.1 To 9999. %



MAT 3434

Kerma capture (mt102)  
Cross Section

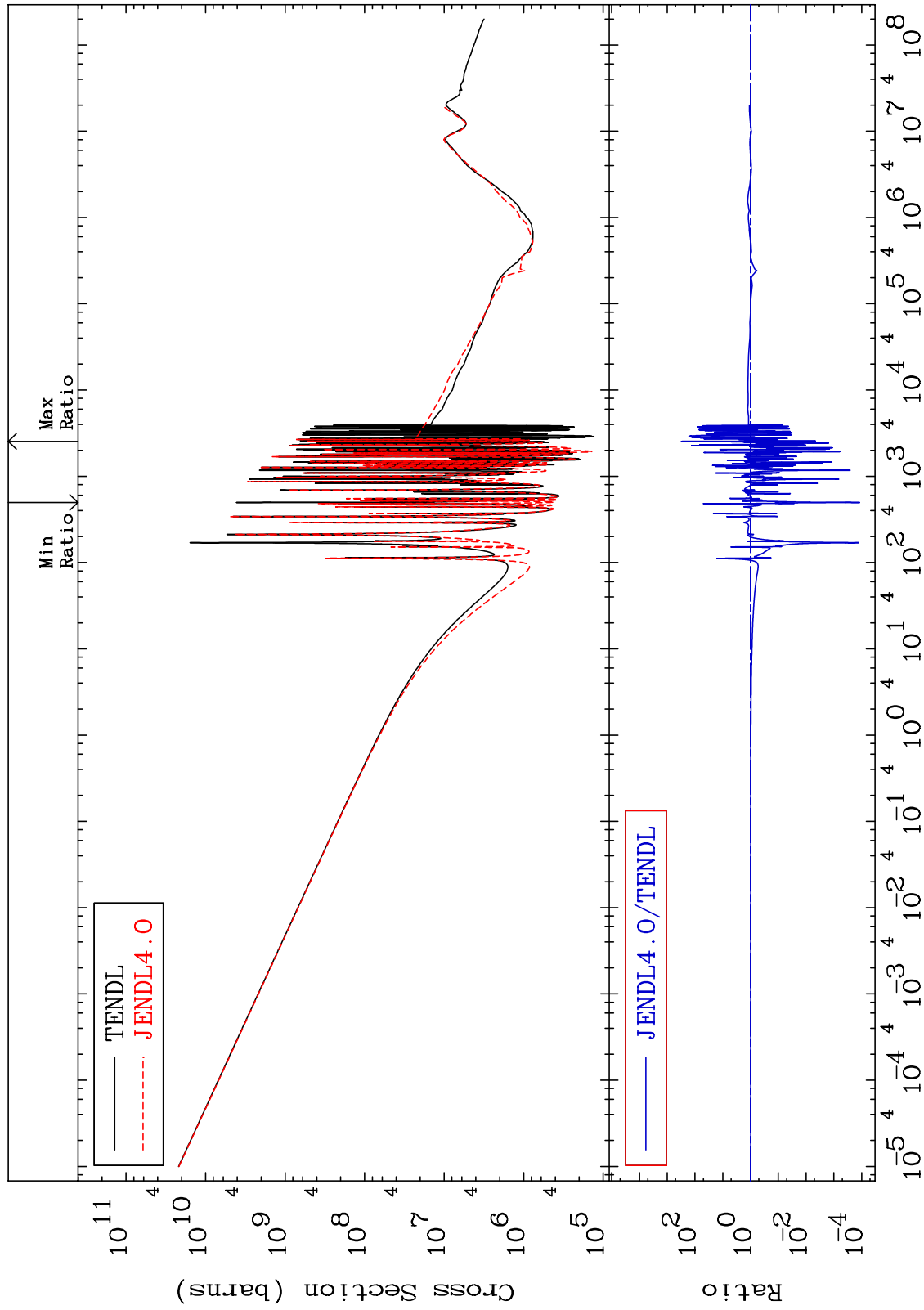
34-Se-77  
1645. To 9999. %



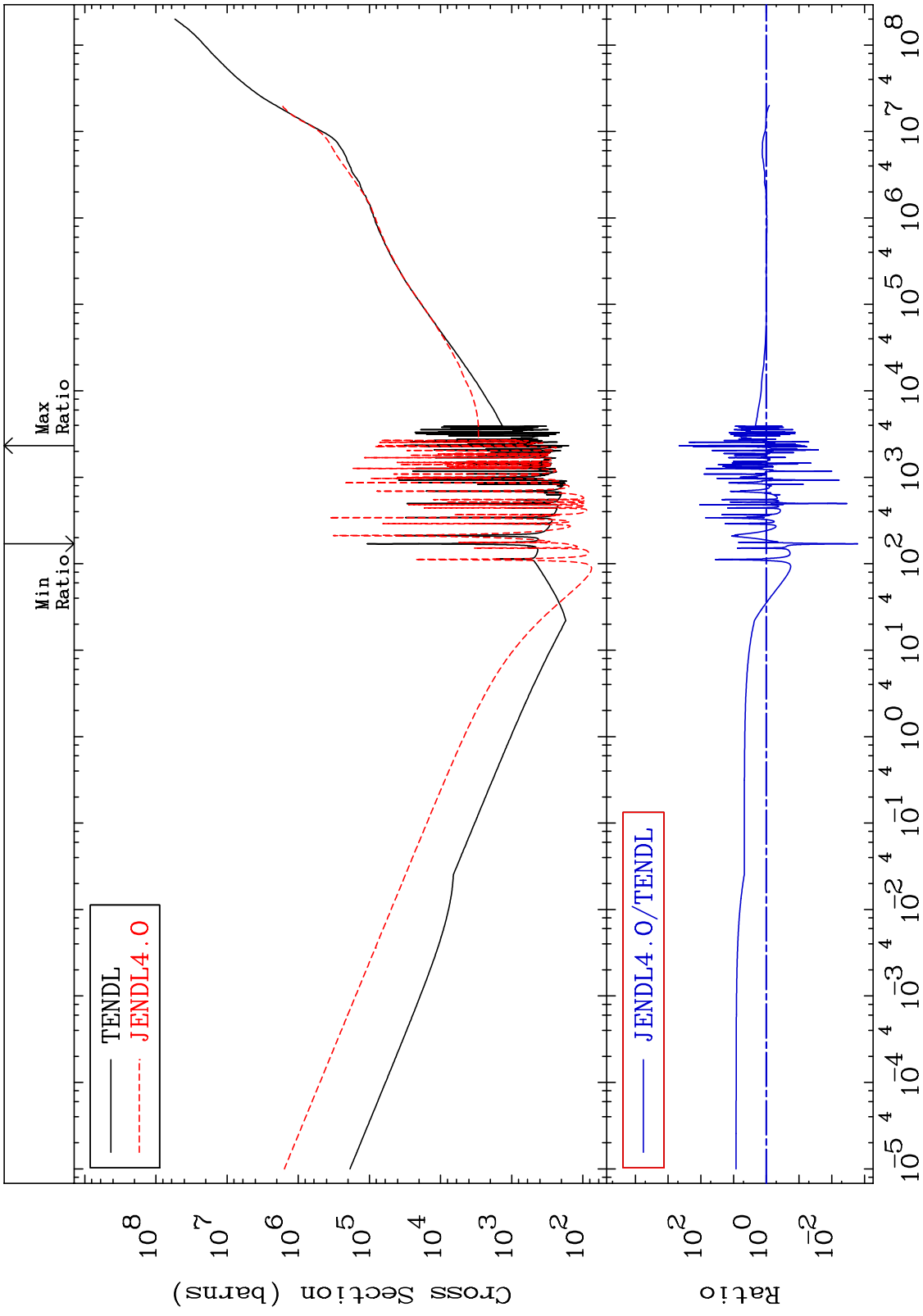
MAT 3434

Total photon (eV-barns)  
Cross Section

34-Se-77  
-99.99 To 9999. %



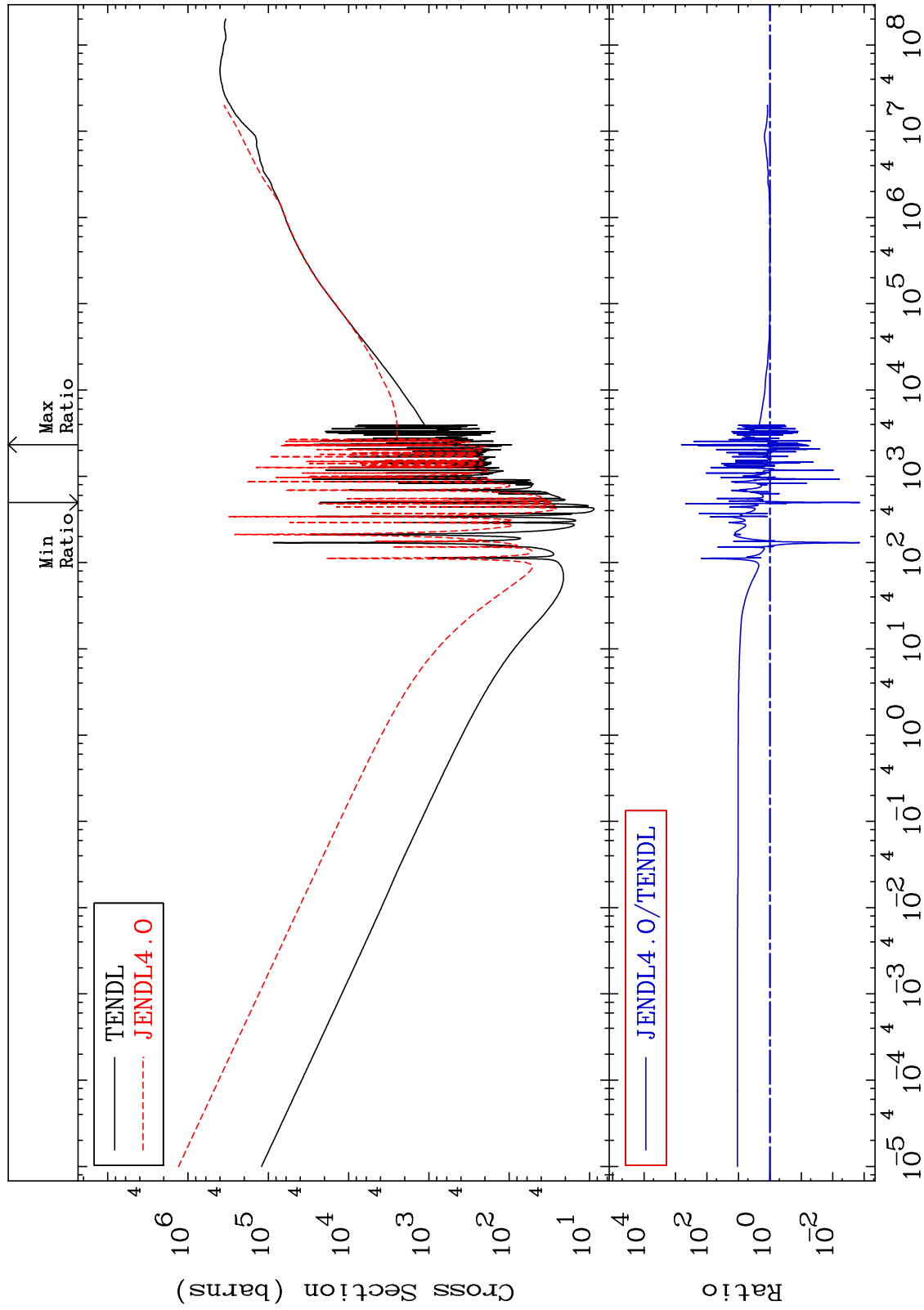
MAT 3434 Total kinematic kerma (high limit) 34-Se-77  
 -99.84 To 9999. %  
 Cross Section



MAT 3434

Dpa total (eV-barns)  
Cross Section

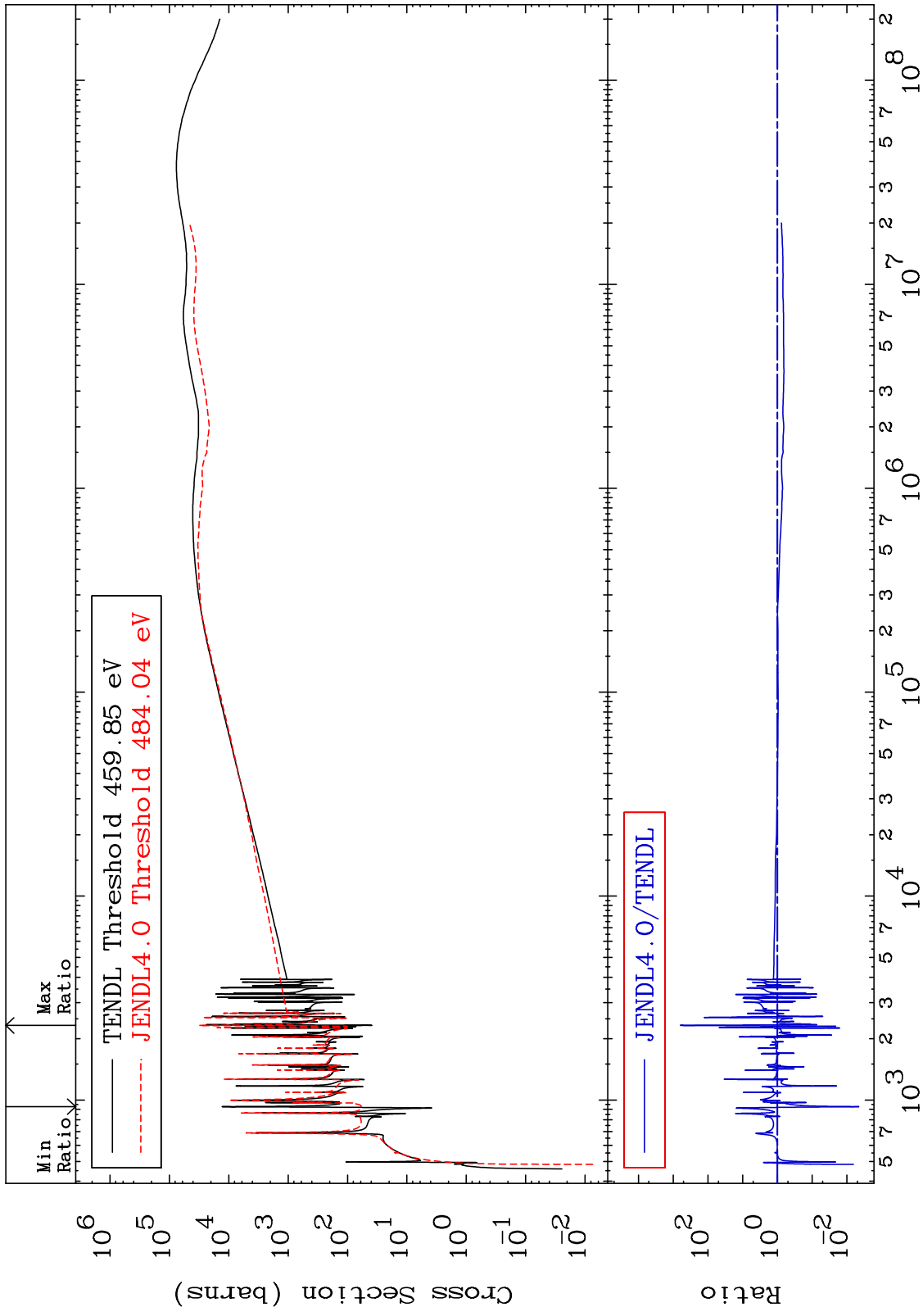
34-Se-77  
-99.86 To 9999. %



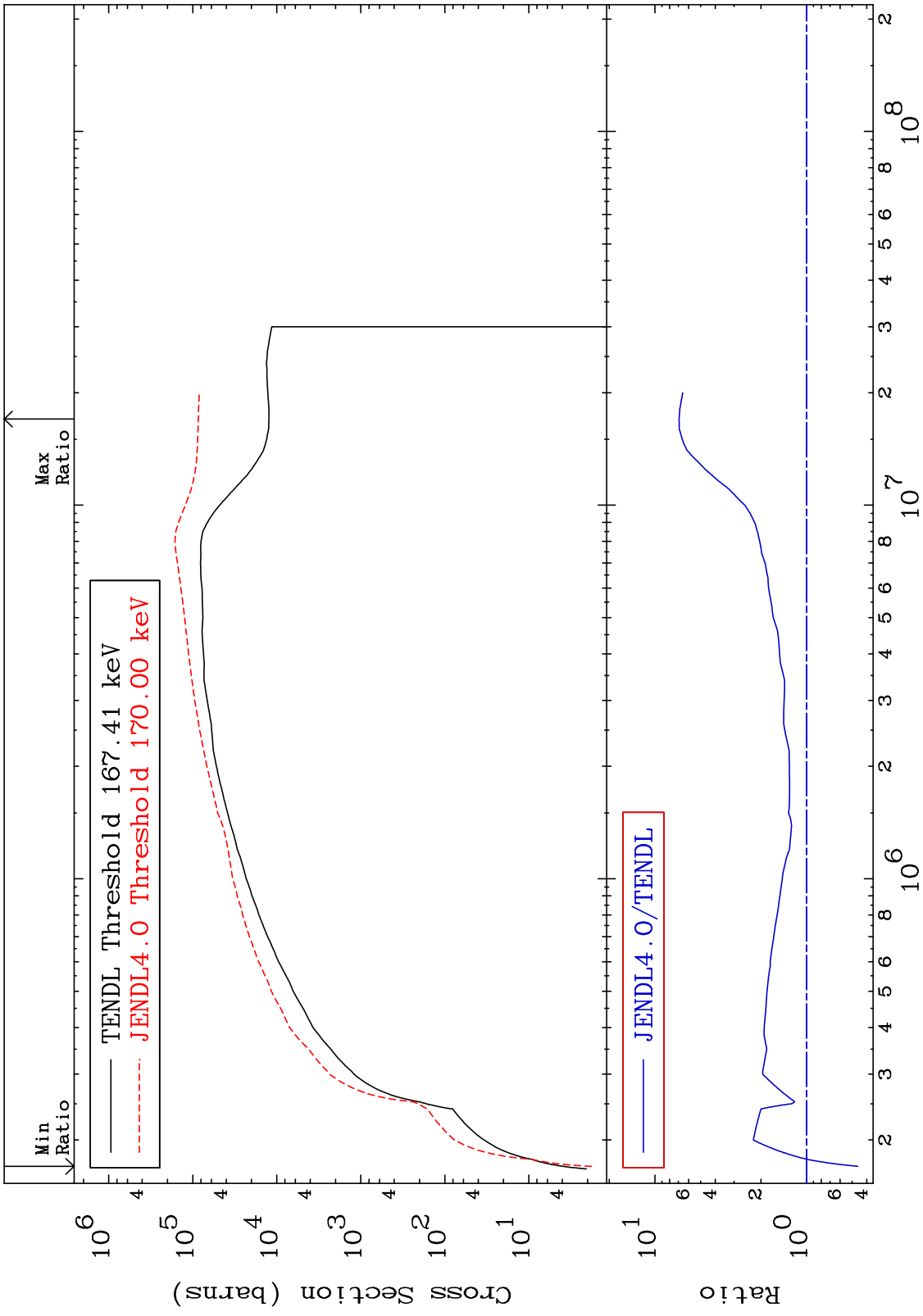
MAT 3434

Dpa elastic (mt2)  
Cross Section

34-Se-77  
-99.54 To 9999. %



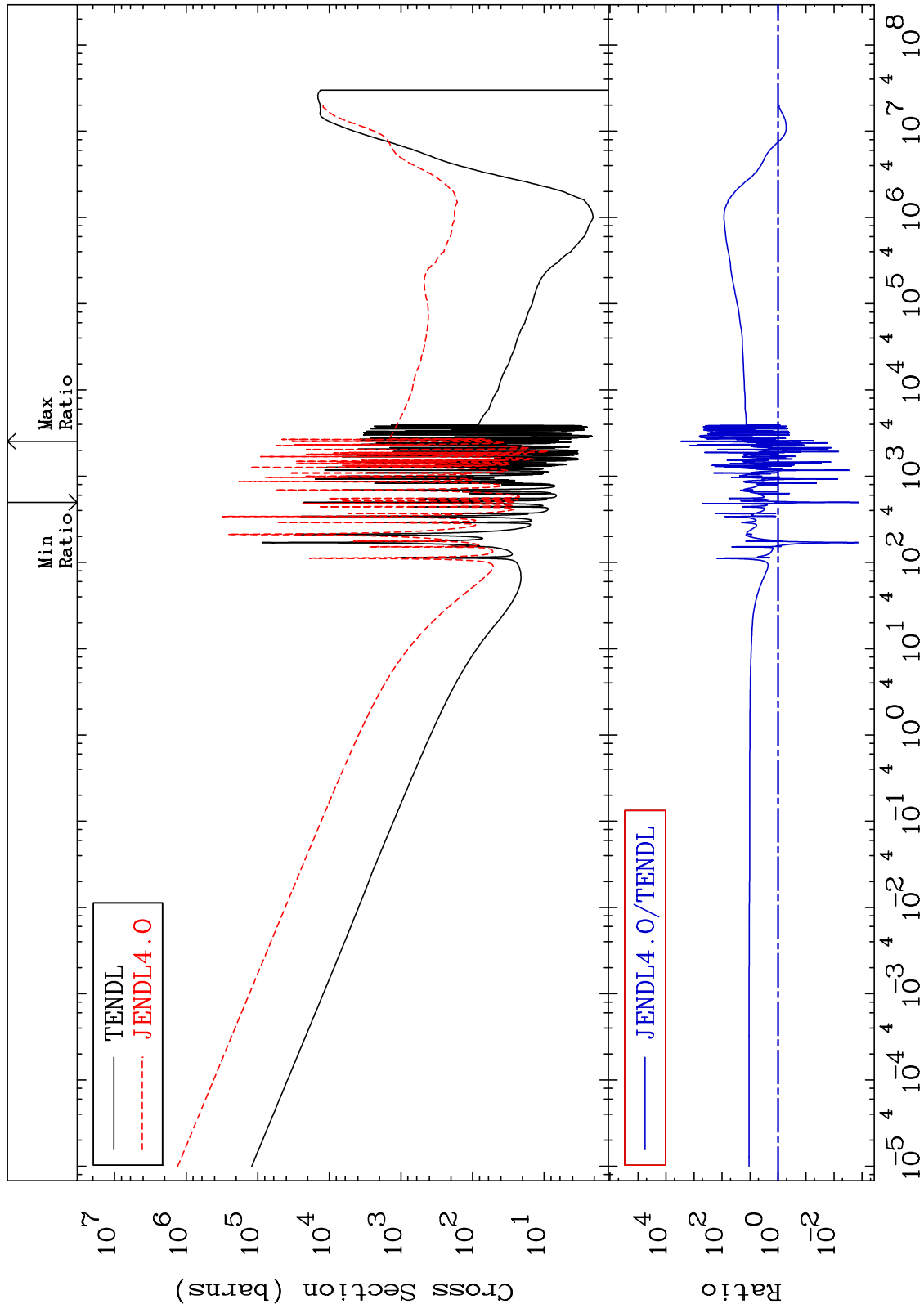
MAT 3434      Dpa inelastic (mt51-91)      34-Se-77  
 Cross Section      -54.15 To 592.9 %



MAT 3434

Dpa disappearance (mt102 -120)  
Cross Section

34-Se-77  
-99.87 To 9999. %



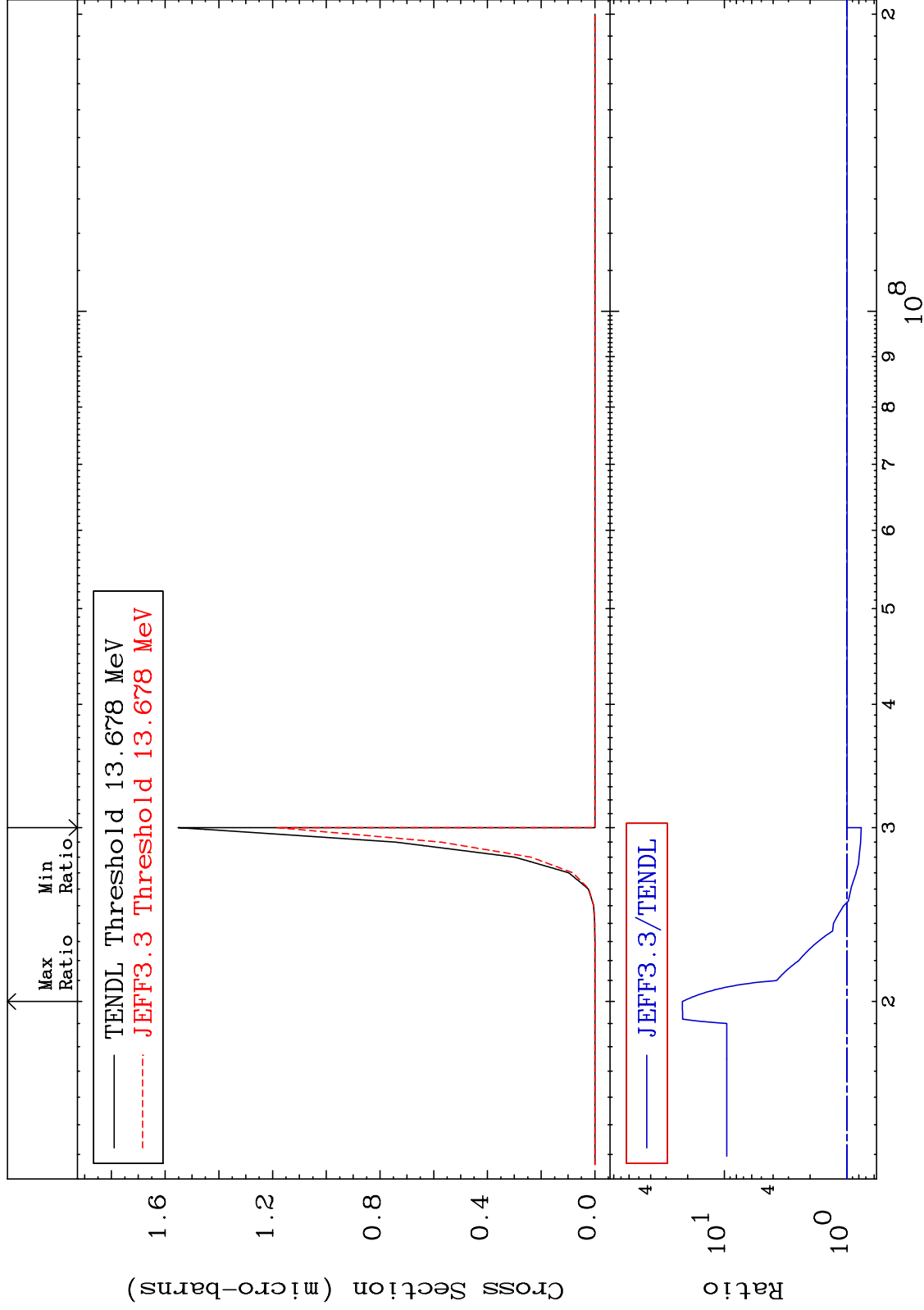
MAT 3434

(n,d)  $\alpha$

34-Se-77

Cross Section

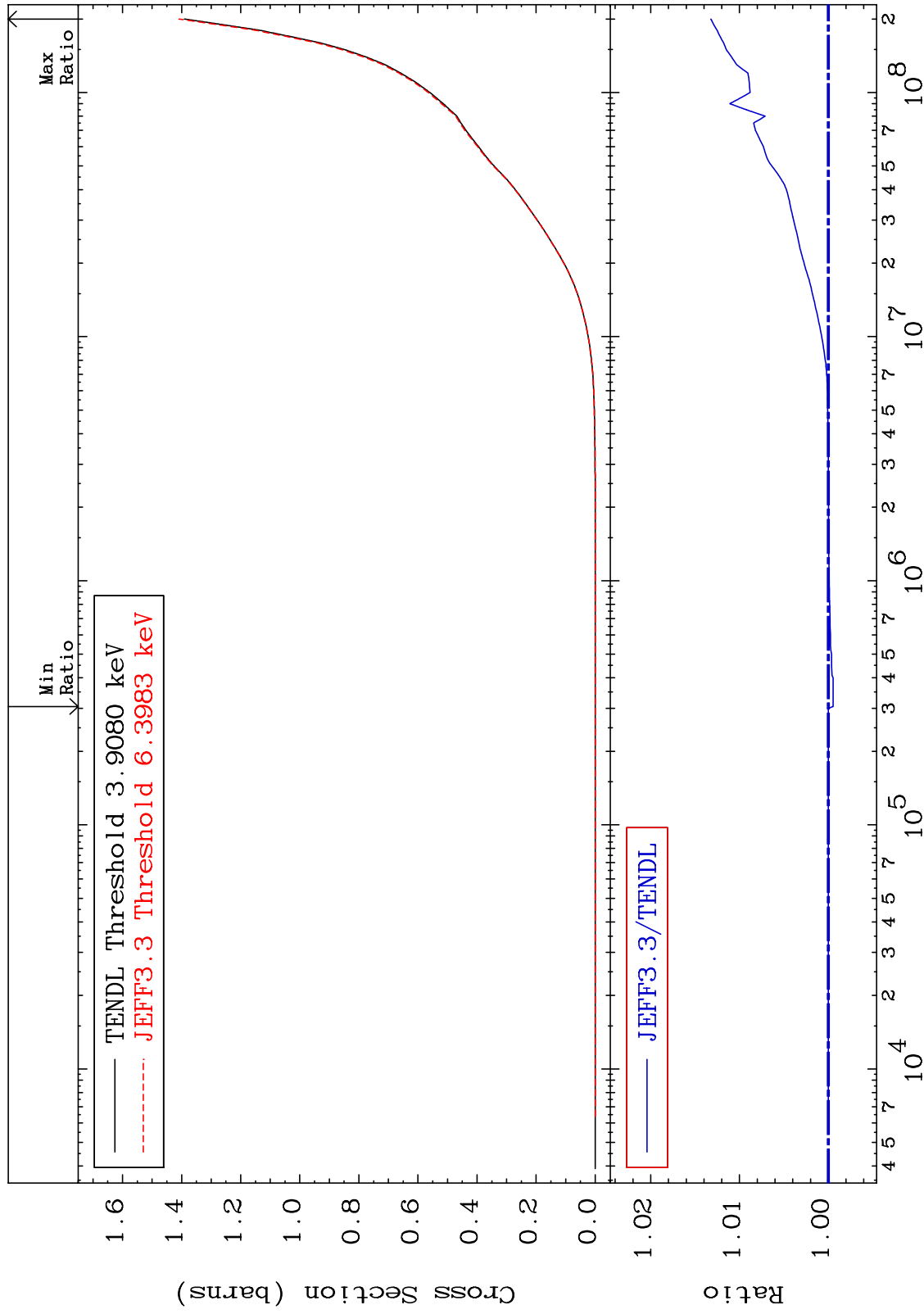
-23.61 To 2102. %



MAT 3434

Hydrogen Production  
Cross Section

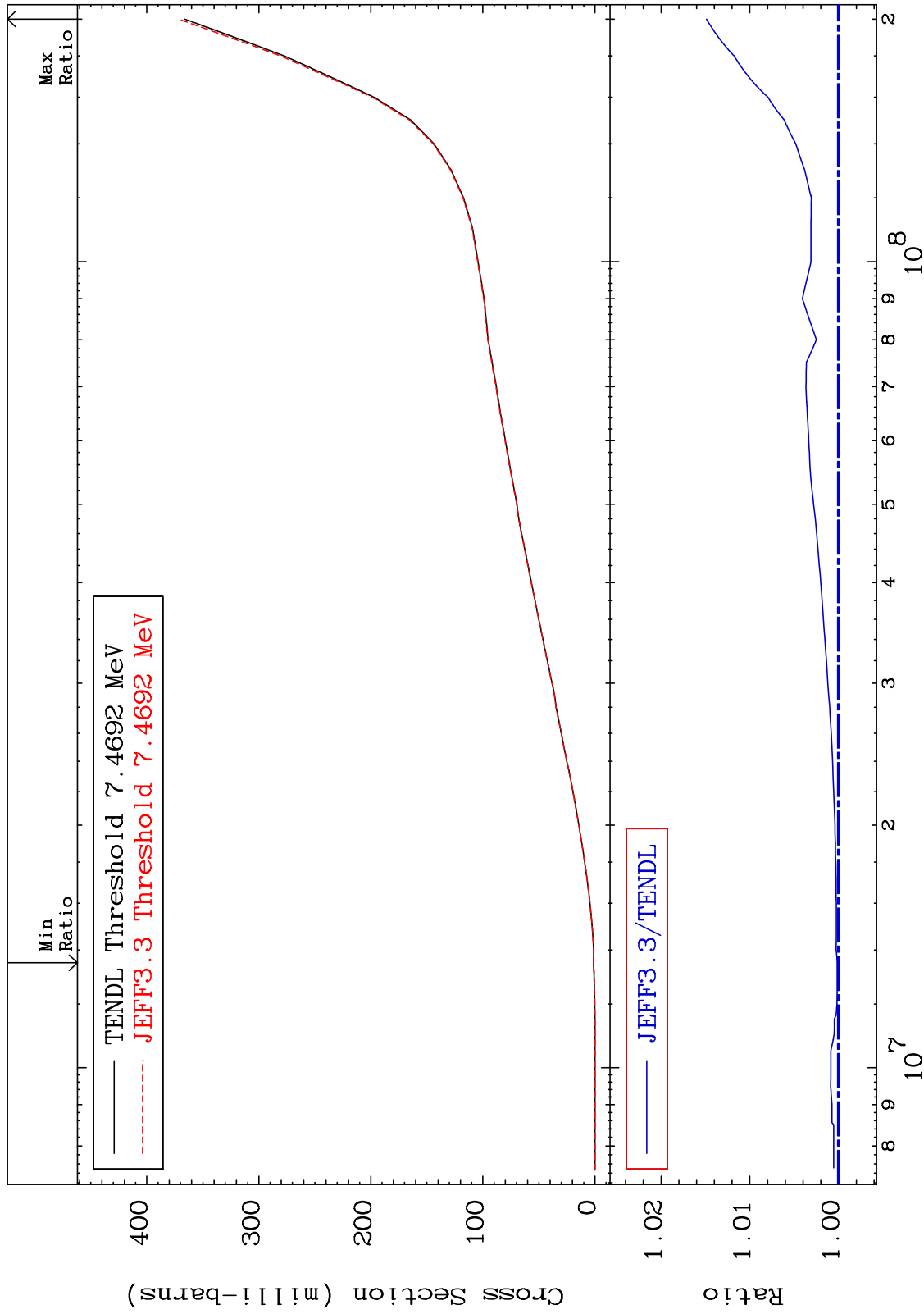
34-Se-77  
-0.055 To 1.322 %



MAT 3434

Deuterium Production  
Cross Section

34-Se-77  
To 1.489 %  
0.015



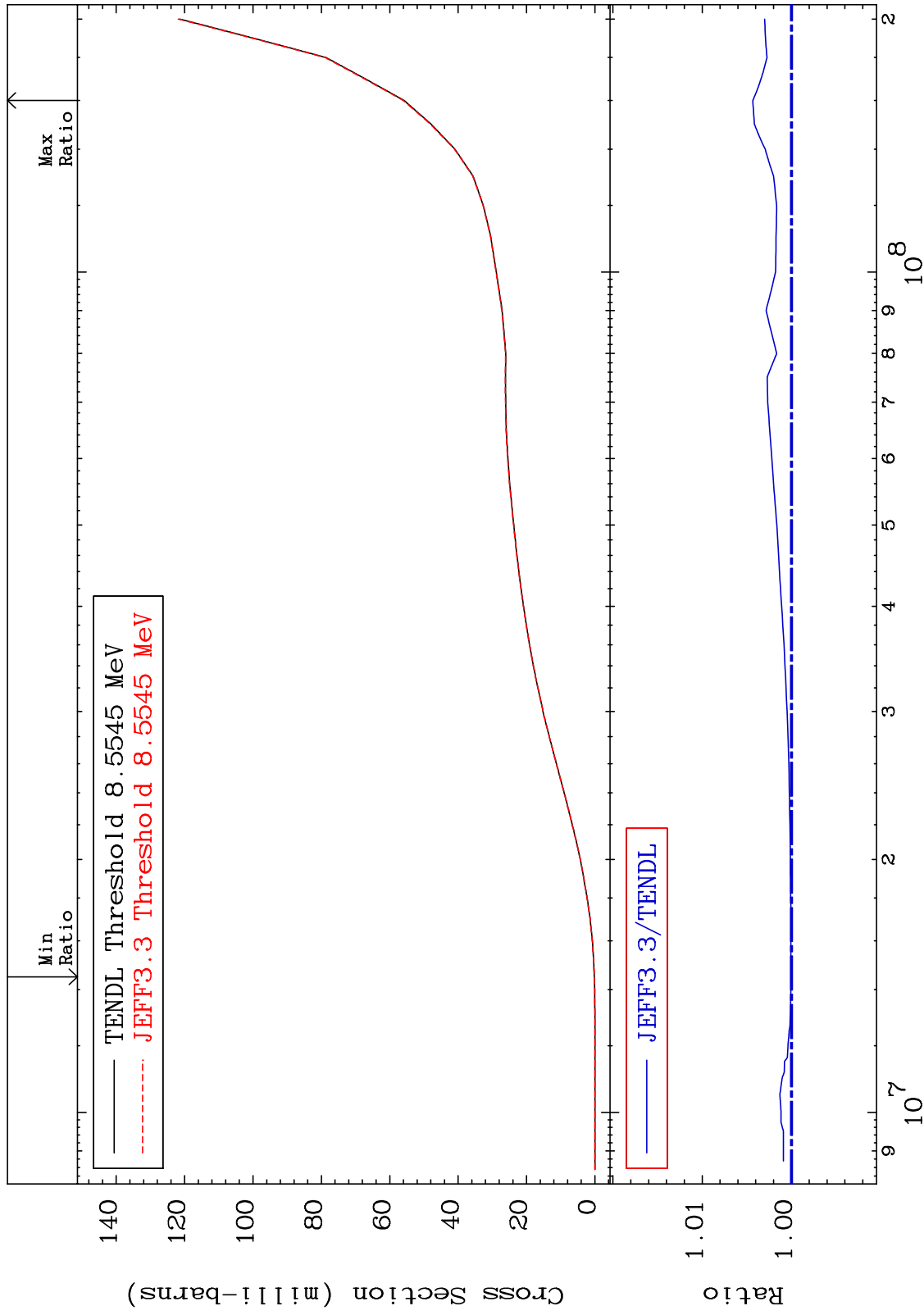
64

34-Se-77

MAT 3434

Tritium Production  
Cross Section

<sup>34</sup>Se-77  
To 0.433 %

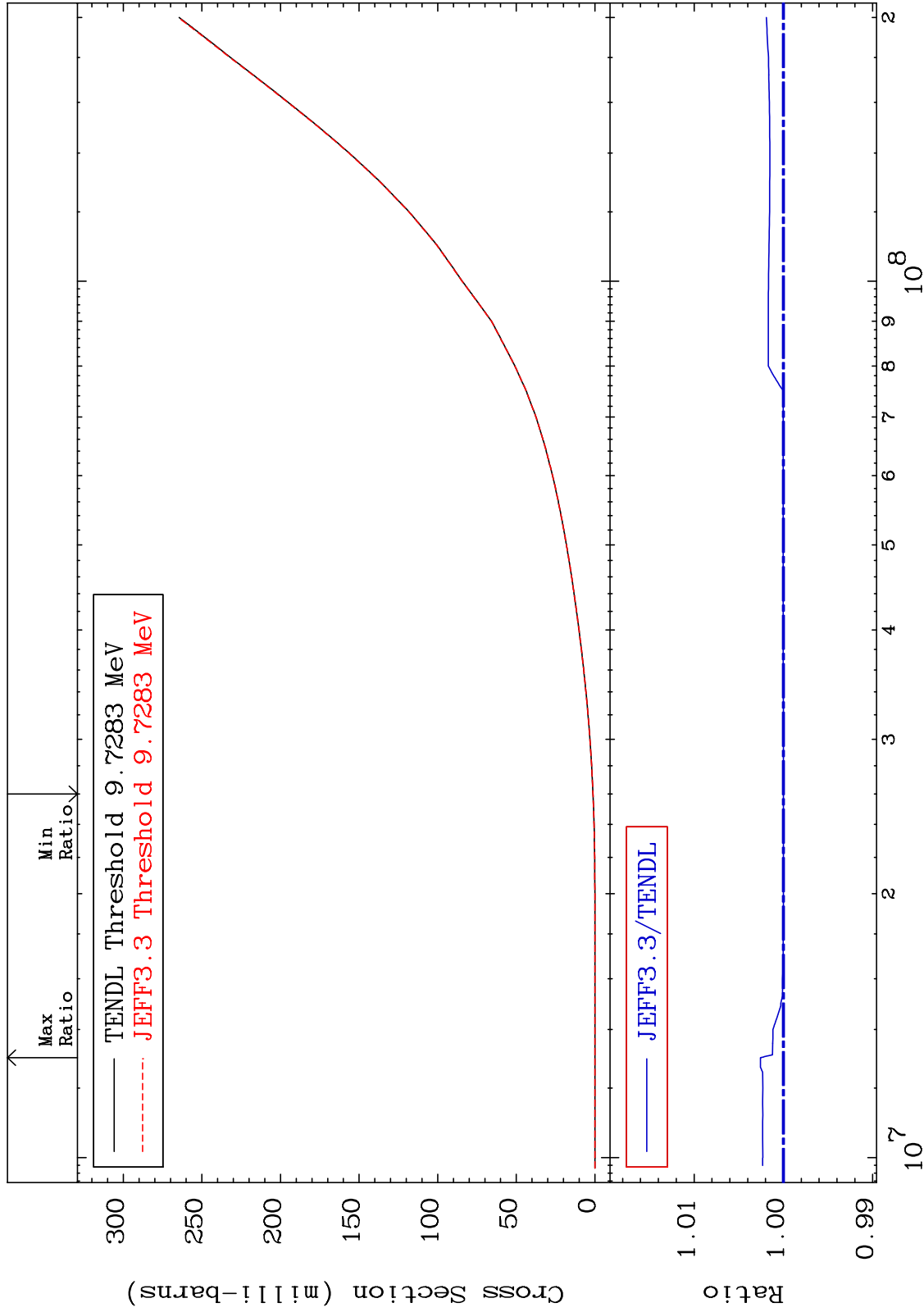


65

MAT 3434

He-3 Production  
Cross Section

34-Se-77  
To 0.258 %



66

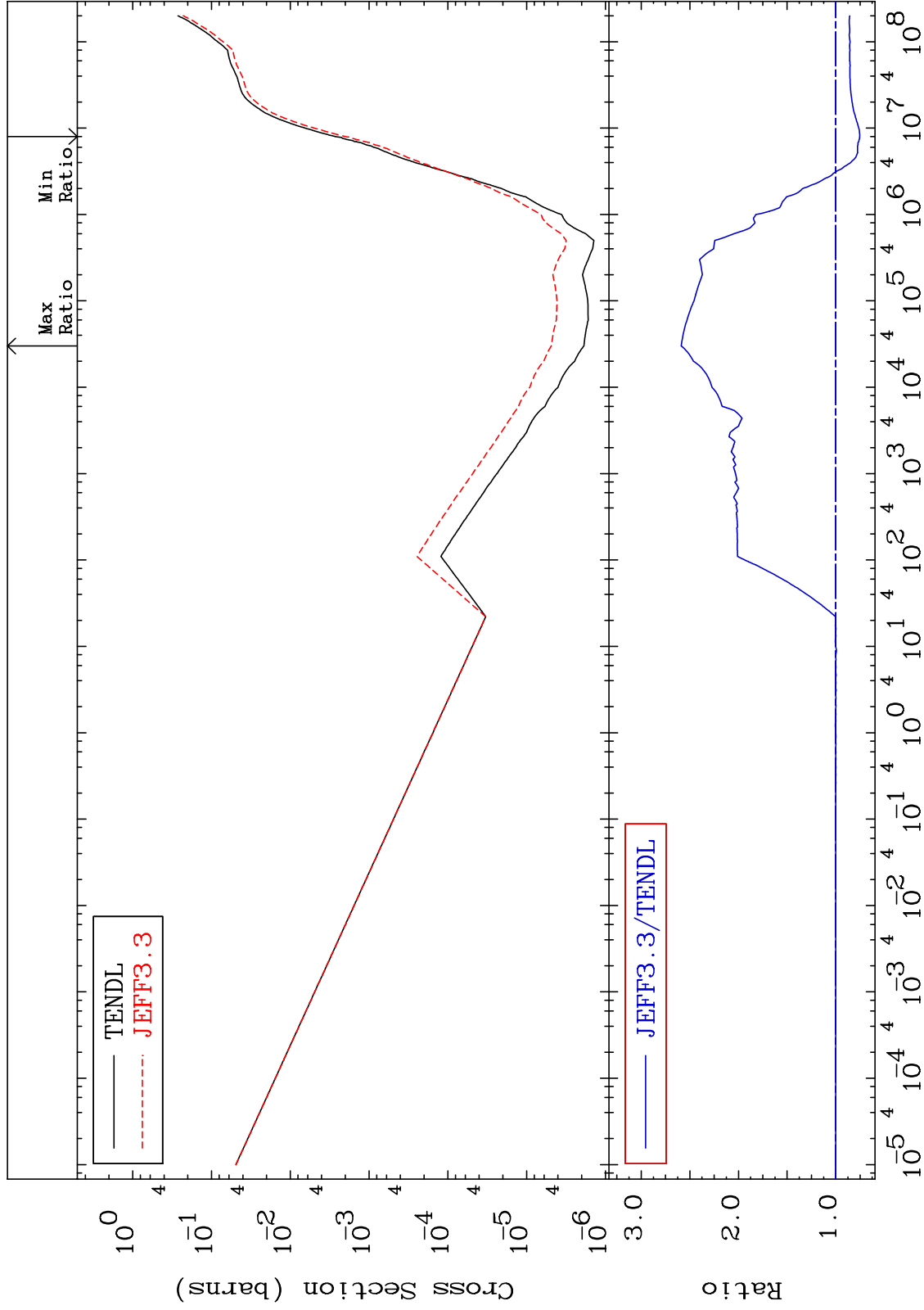
Incident Energy (eV)

34-Se-77

MAT 3434

He-4 Production  
Cross Section

34-Se-77  
-24.67 To 158.8 %



67

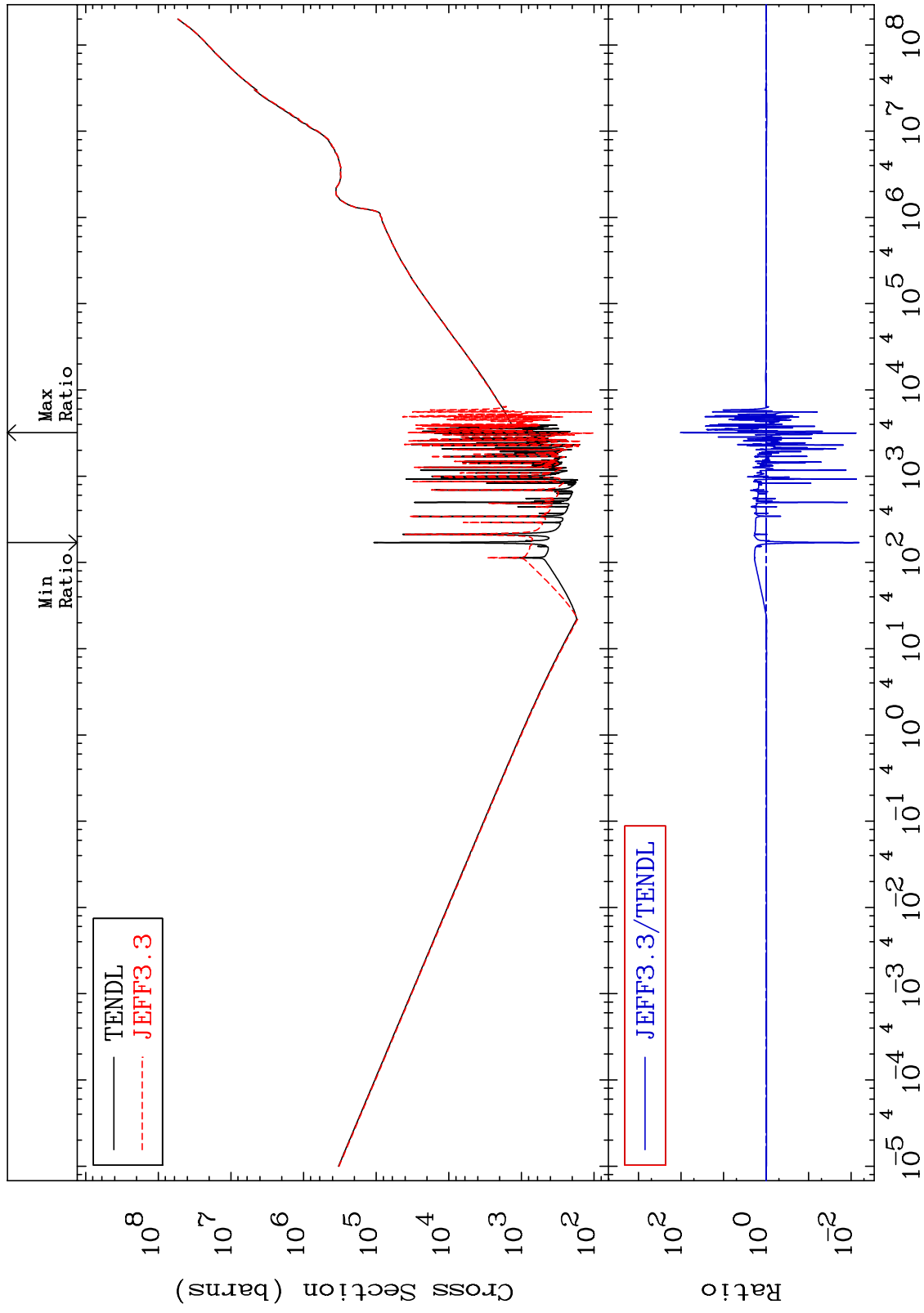
Incident Energy (eV)

34-Se-77

MAT 3434

Kerma total (eV-barns)  
Cross Section

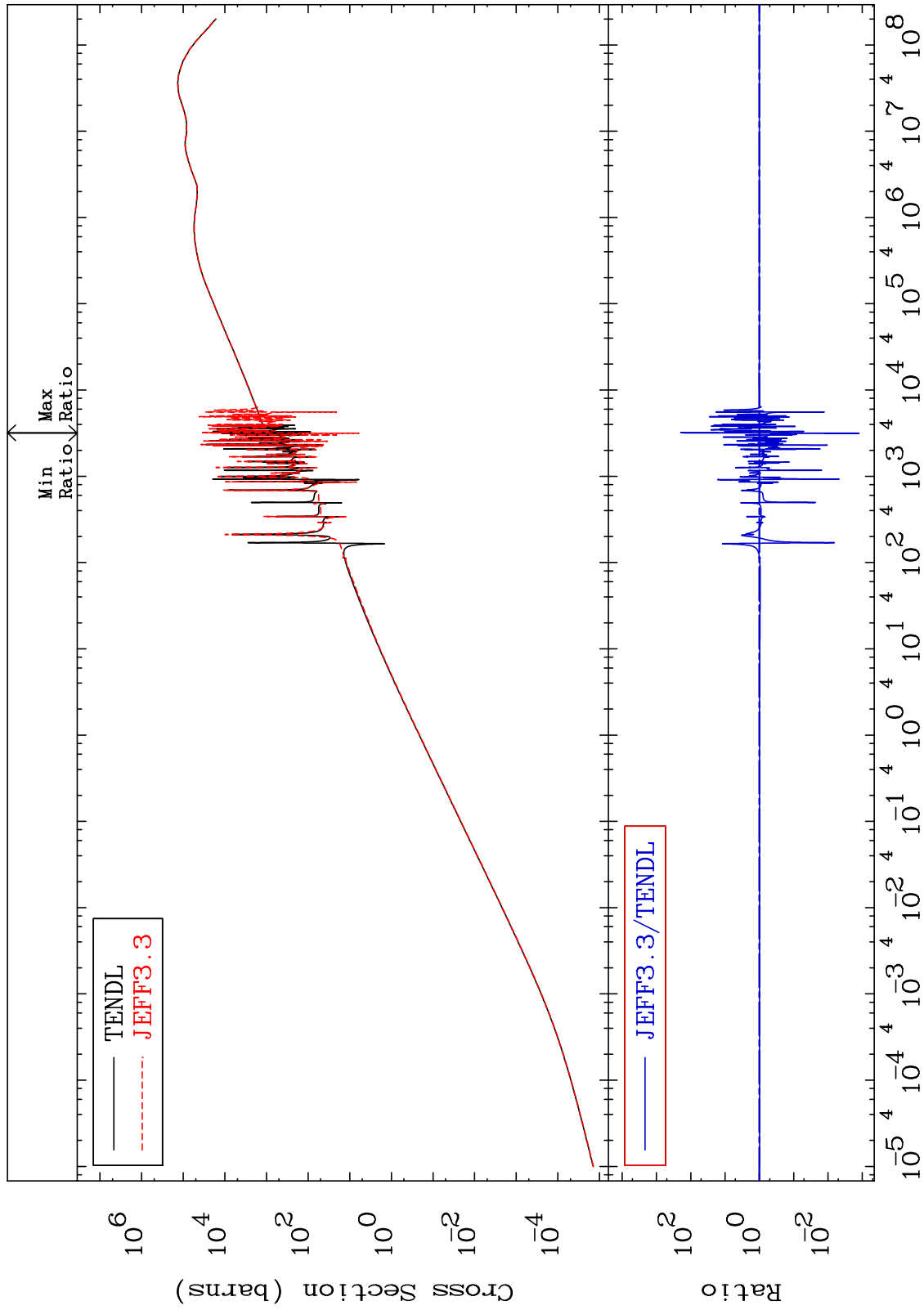
34-Se-77  
-99.35 To 9999. %



MAT 3434

Kerma elastic  
Cross Section

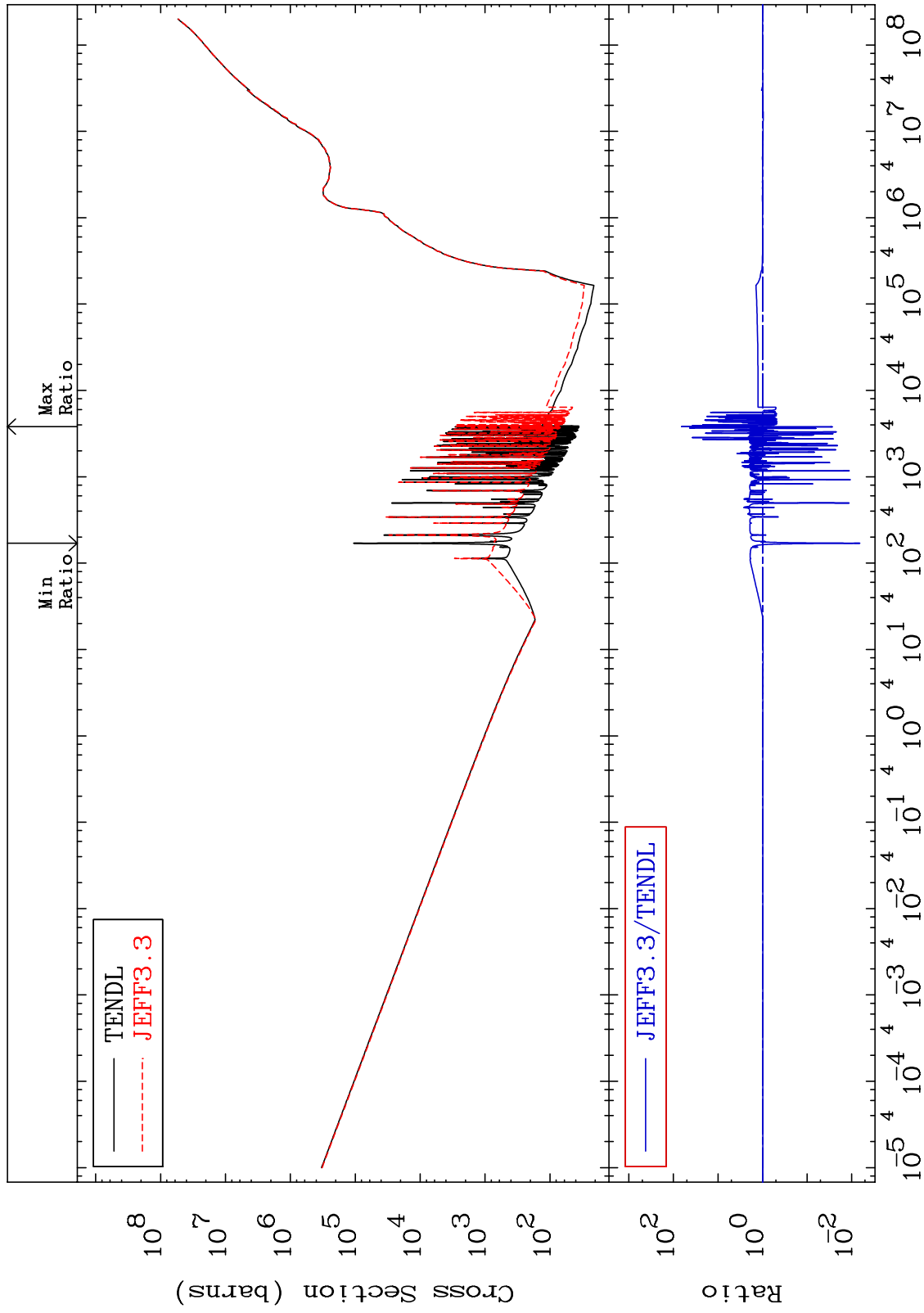
34-Se-77  
-99.88 To 9999. %



MAT 3434

Kerma non-elastic (all but mt.2)  
Cross Section

34-Se-77  
-99.35 To 6574. %



70

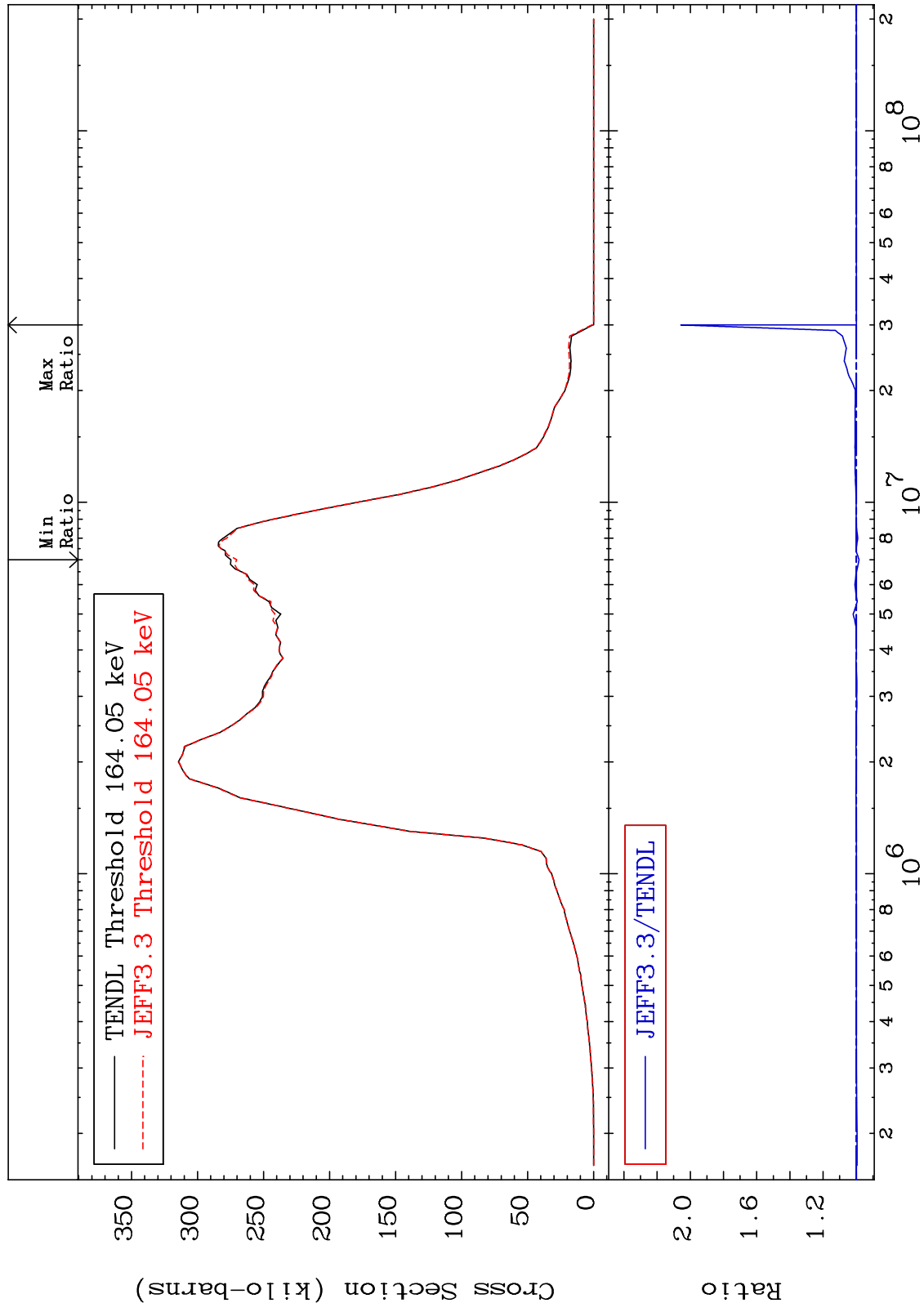
Incident Energy (eV)

34-Se-77

MAT 3434

Kerma inelastic (mt51-91)  
Cross Section

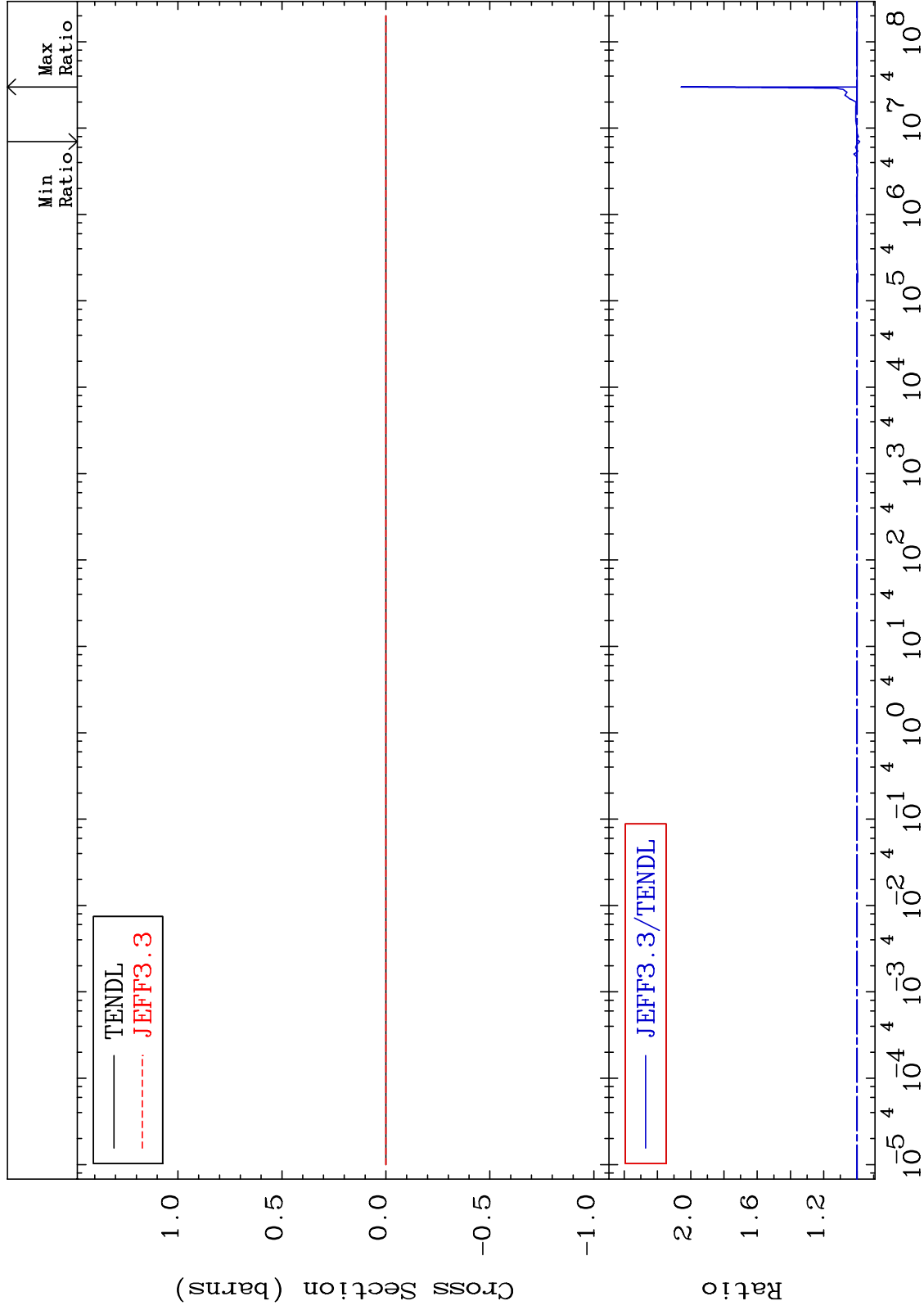
34-Se-77  
-1.666 To 105.7 %



MAT 3434

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

34-Se-77  
-1.666 To 105.7 %



72

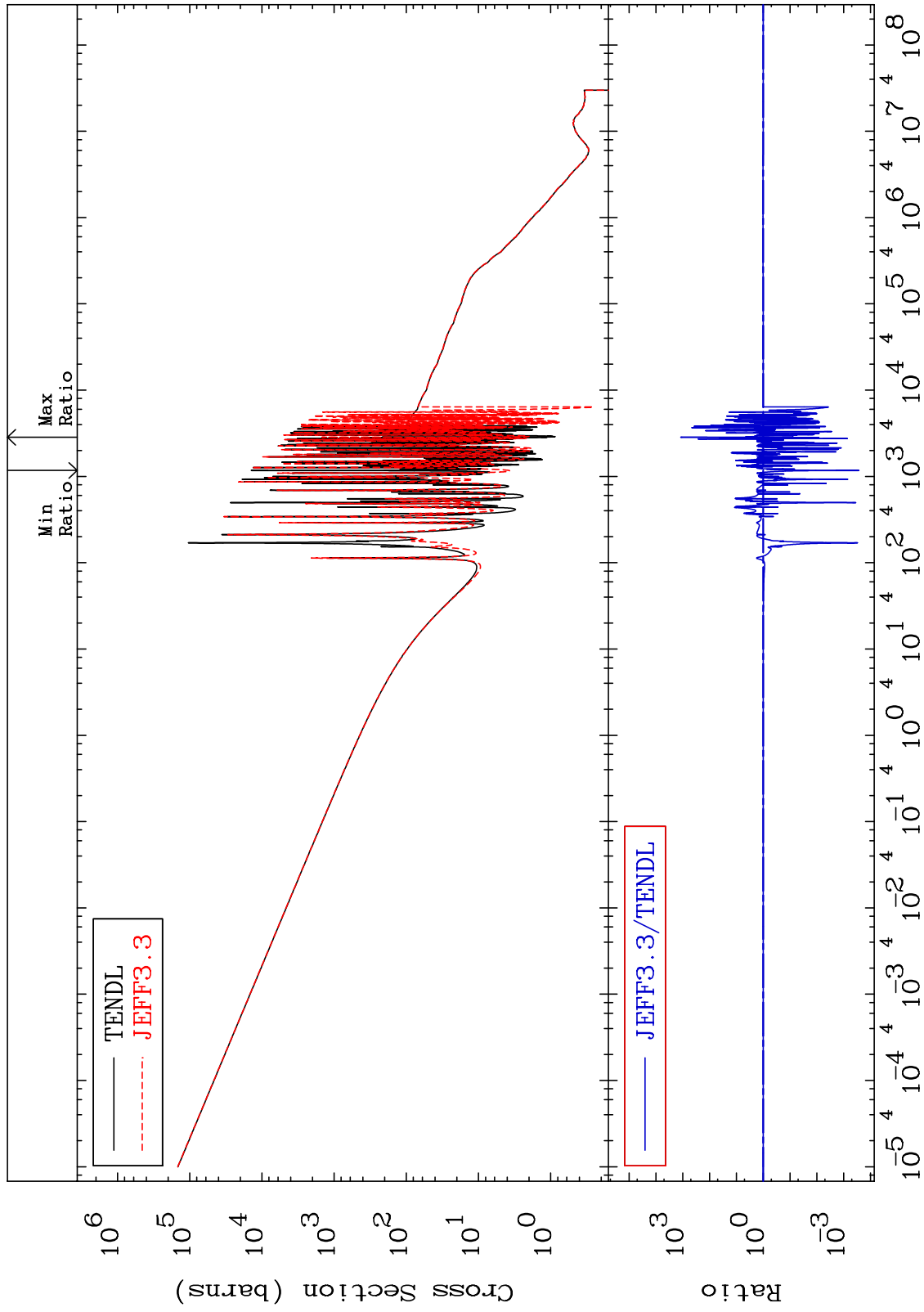
Incident Energy (eV)

34-Se-77

MAT 3434

Kerma capture (mt102)  
Cross Section

34-Se-77  
-99.97 To 9999. %



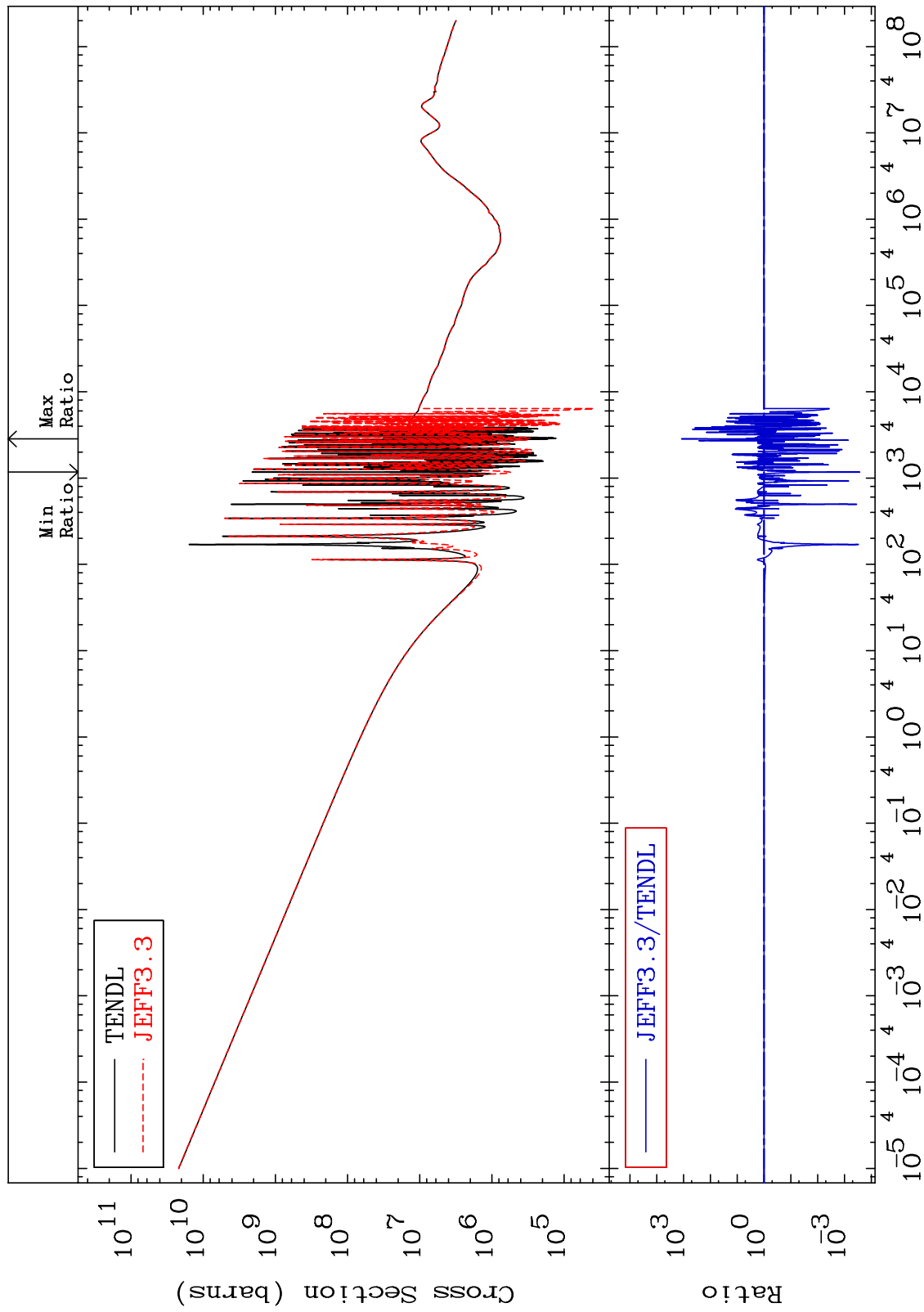
73

34-Se-77

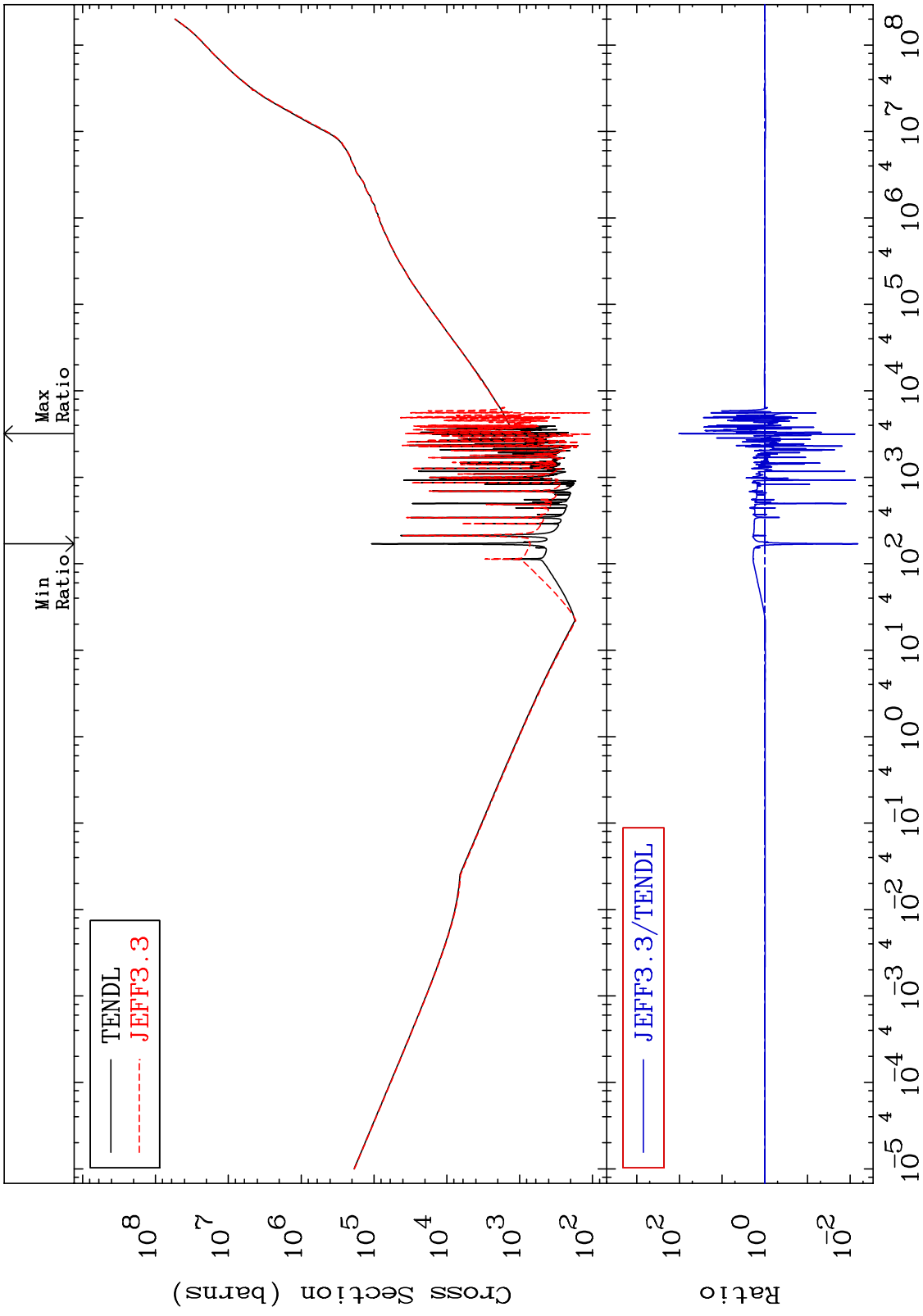
MAT 3434

Total photon (eV-barns)  
Cross Section

34-Se-77  
-99.97 To 9999. %



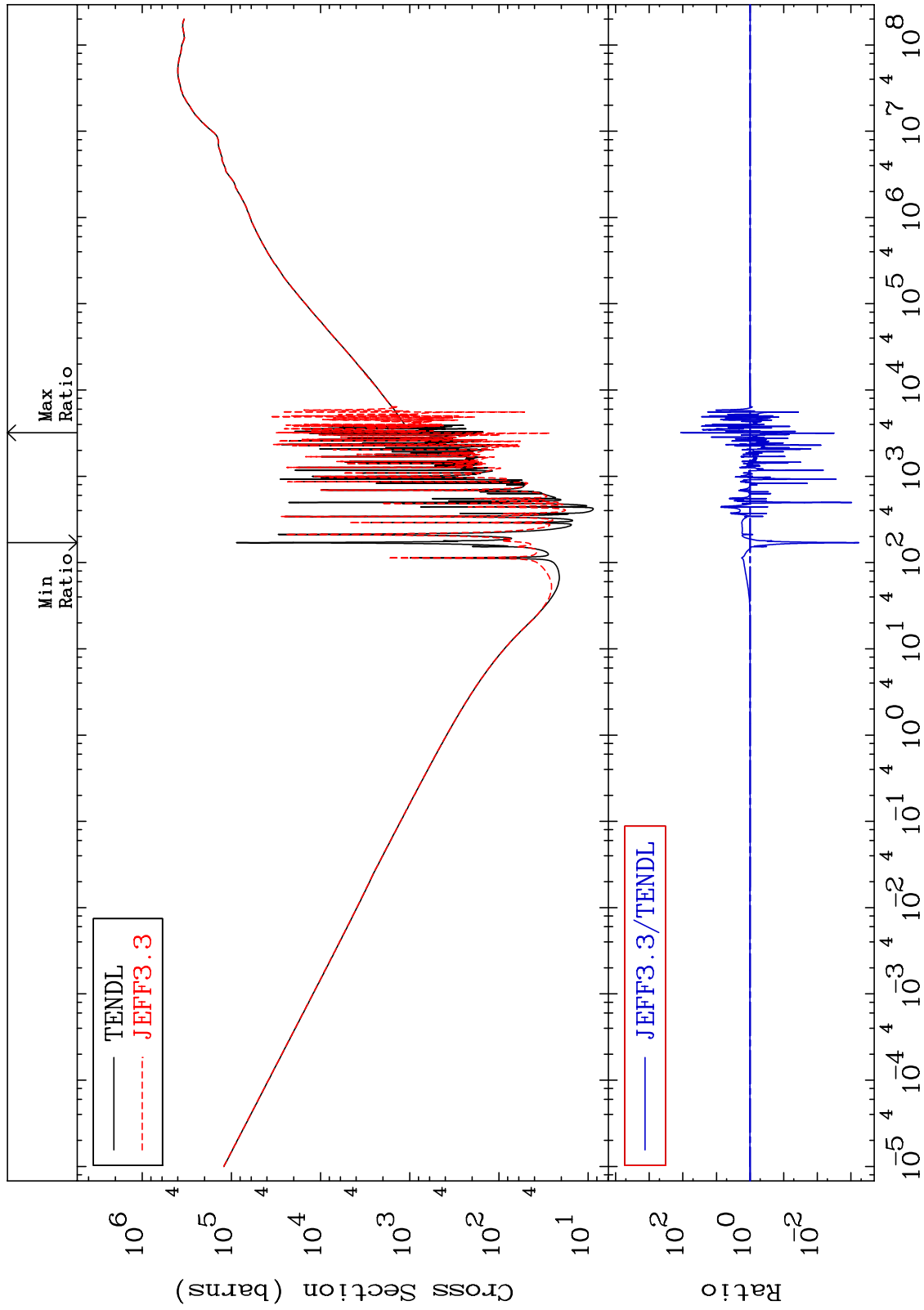
MAT 3434 Total kinematic kerma (high limit) 34-Se-77  
 Cross Section -99.34 To 9999. %



MAT 3434

Dpa total (eV-barns)  
Cross Section

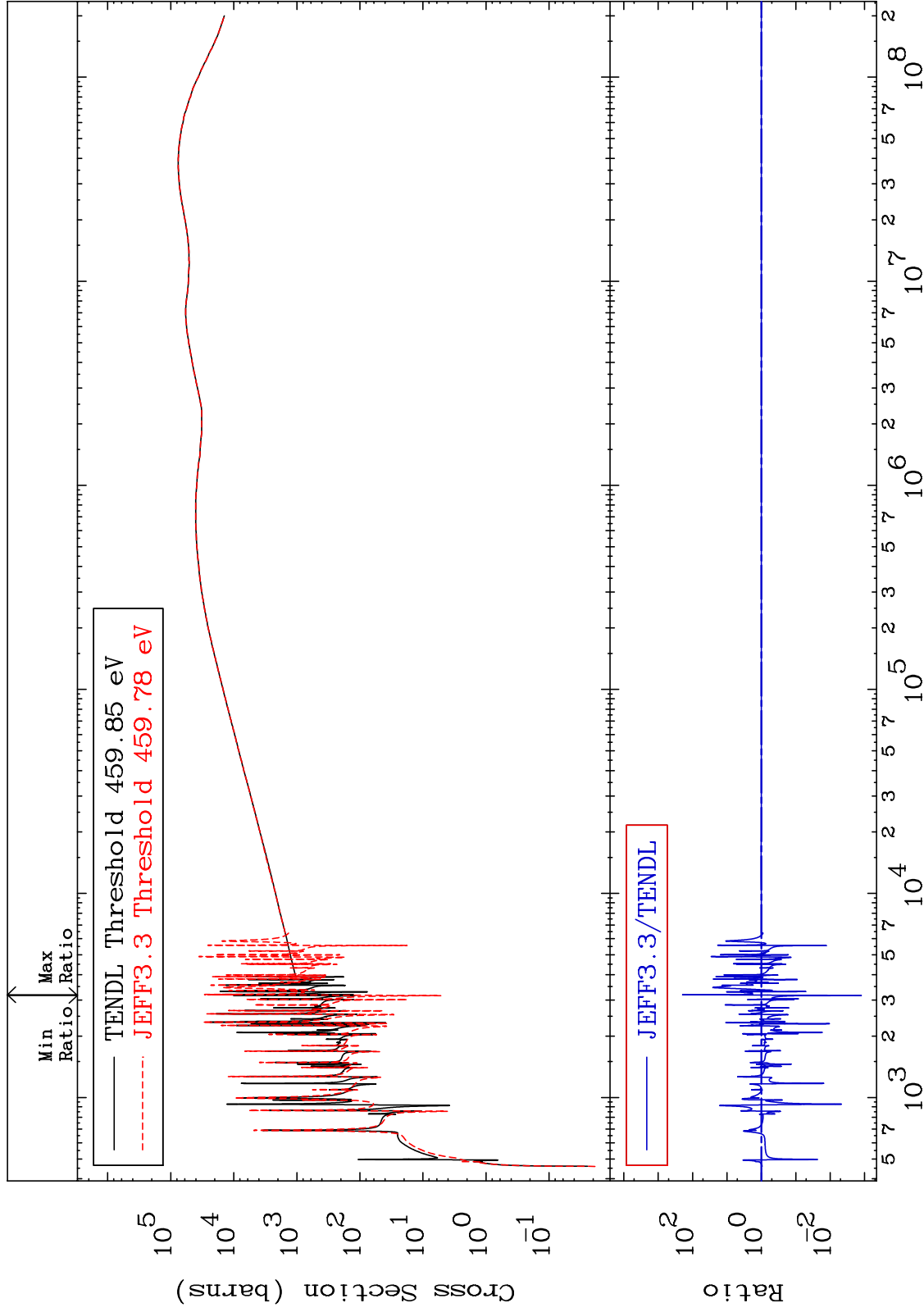
34-Se-77  
-99.94 To 9999. %



MAT 3434

Dpa elastic (mt2)  
Cross Section

34-Se-77  
-99.88 To 9999. %



77

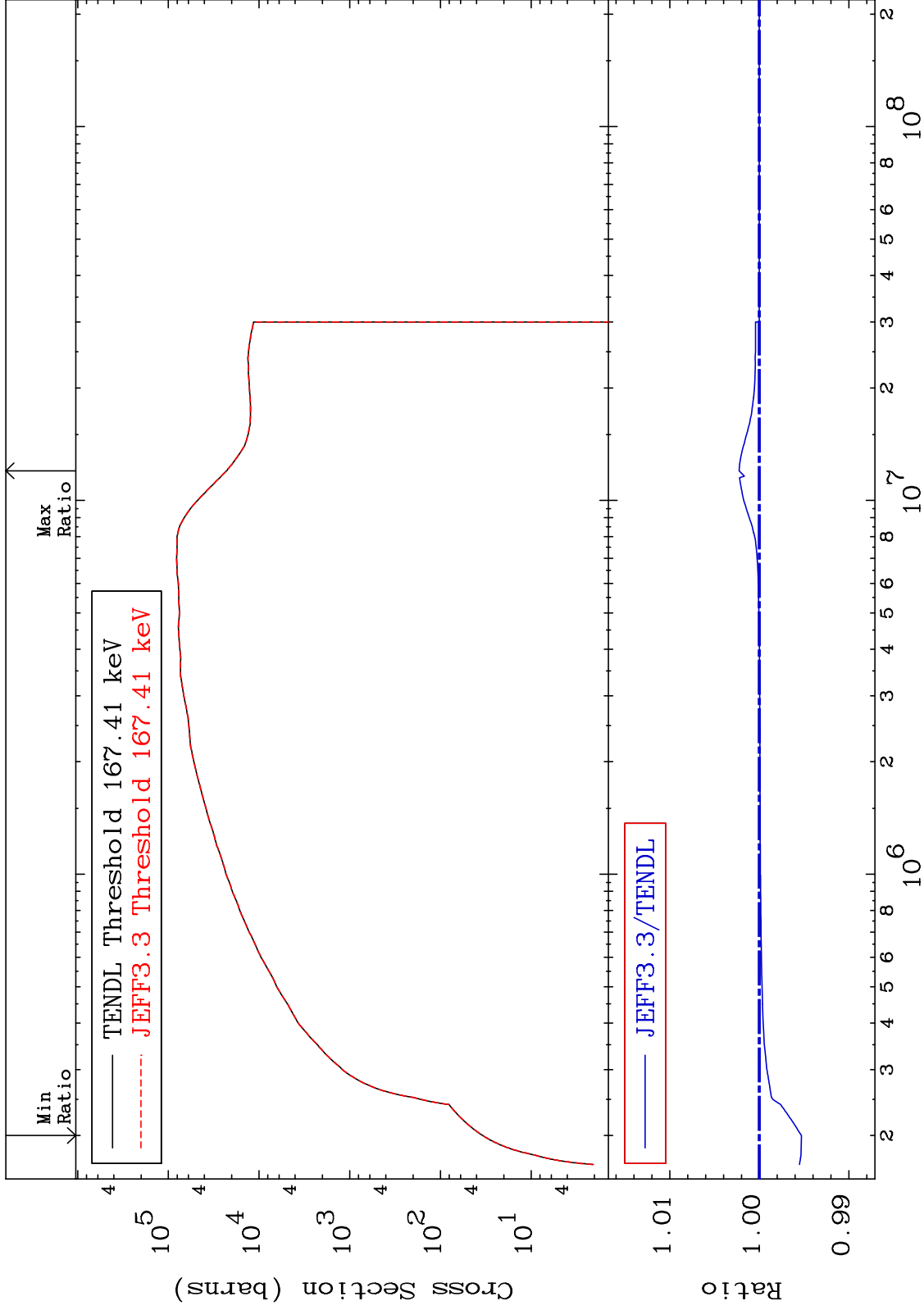
34-Se-77

34-Se-77

MAT 3434

Dpa inelastic (mt51-91)  
Cross Section

34-Se-77  
-0.469 To 0.226 %



78

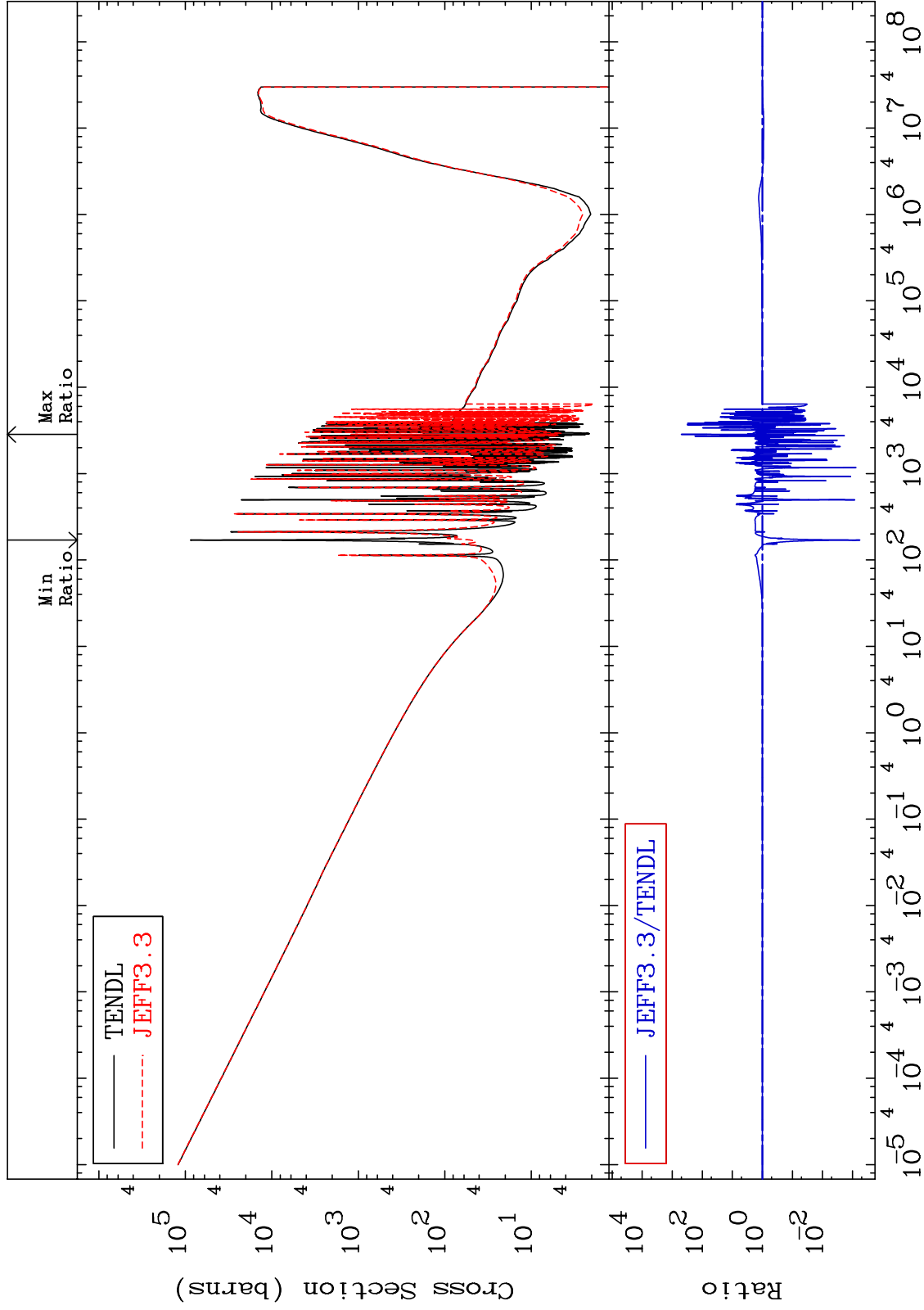
34-Se-77

34-Se-77

MAT 3434

Dpa disappearance (mt102 -120)  
Cross Section

34-Se-77  
-99.94 To 9999. %

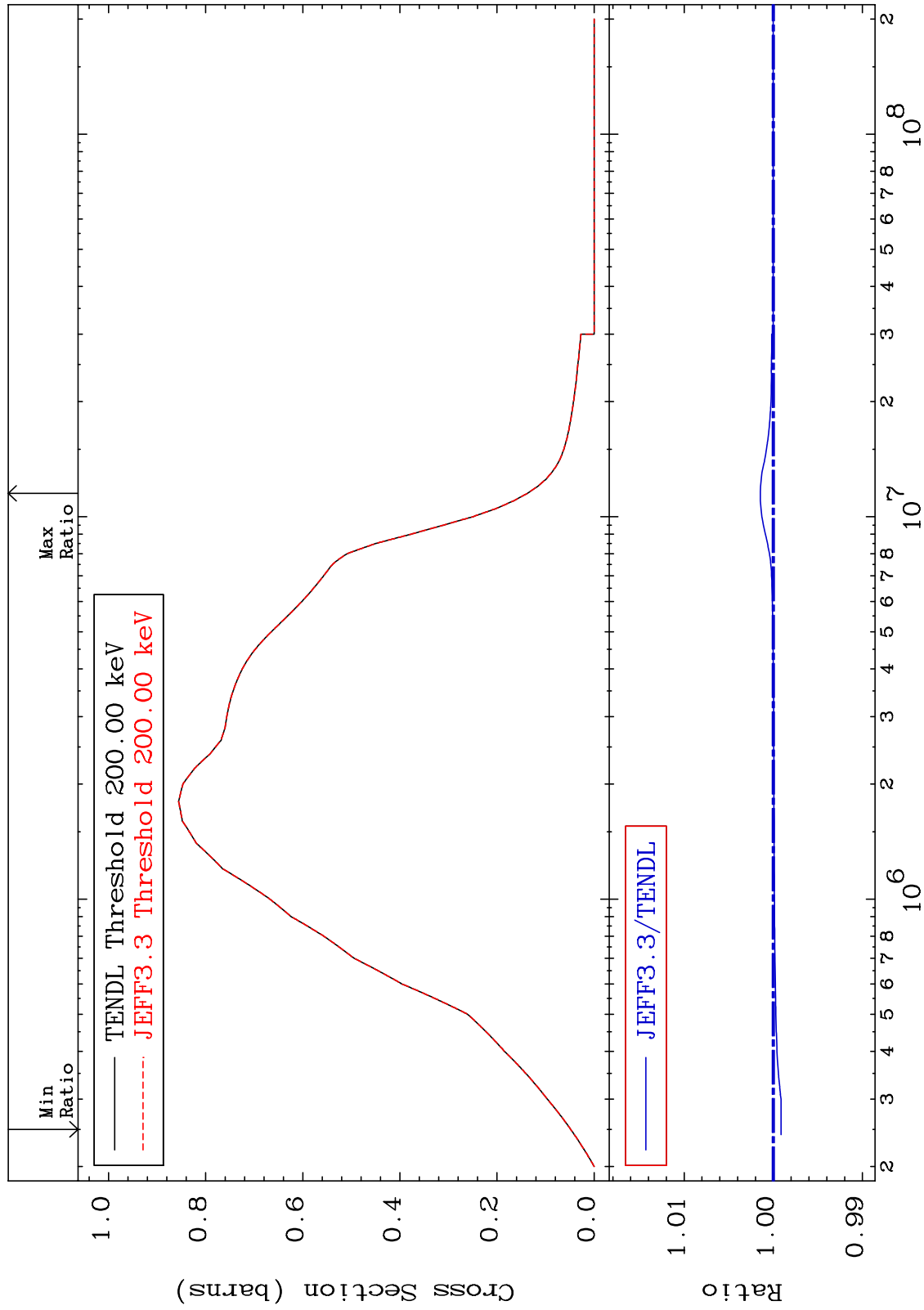


MAT 3434

34-Se-77

Inelastic:34-Se-77g

Radionuclide Production Cross Section -0.086 To 0.145 %

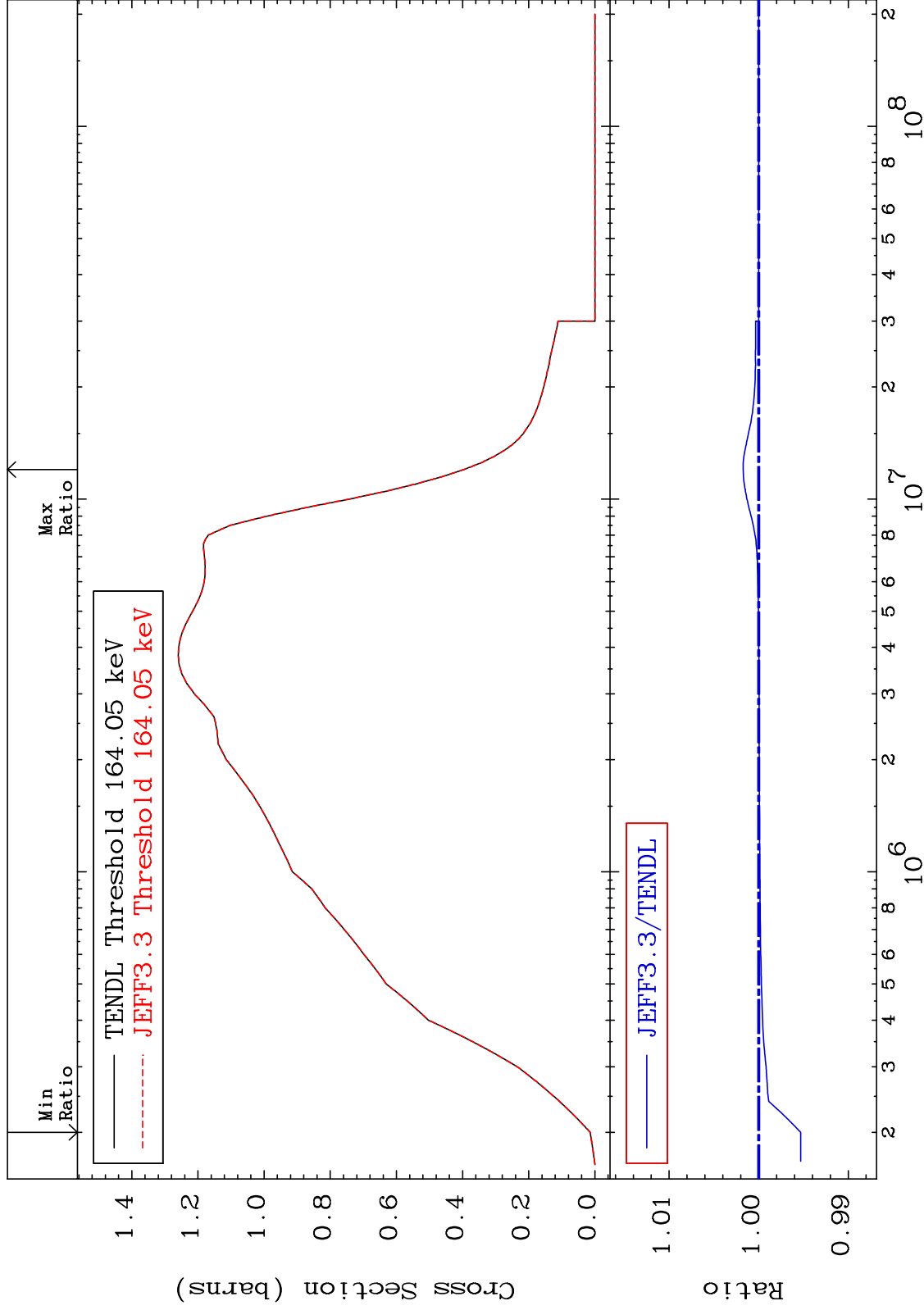


MAT 3434

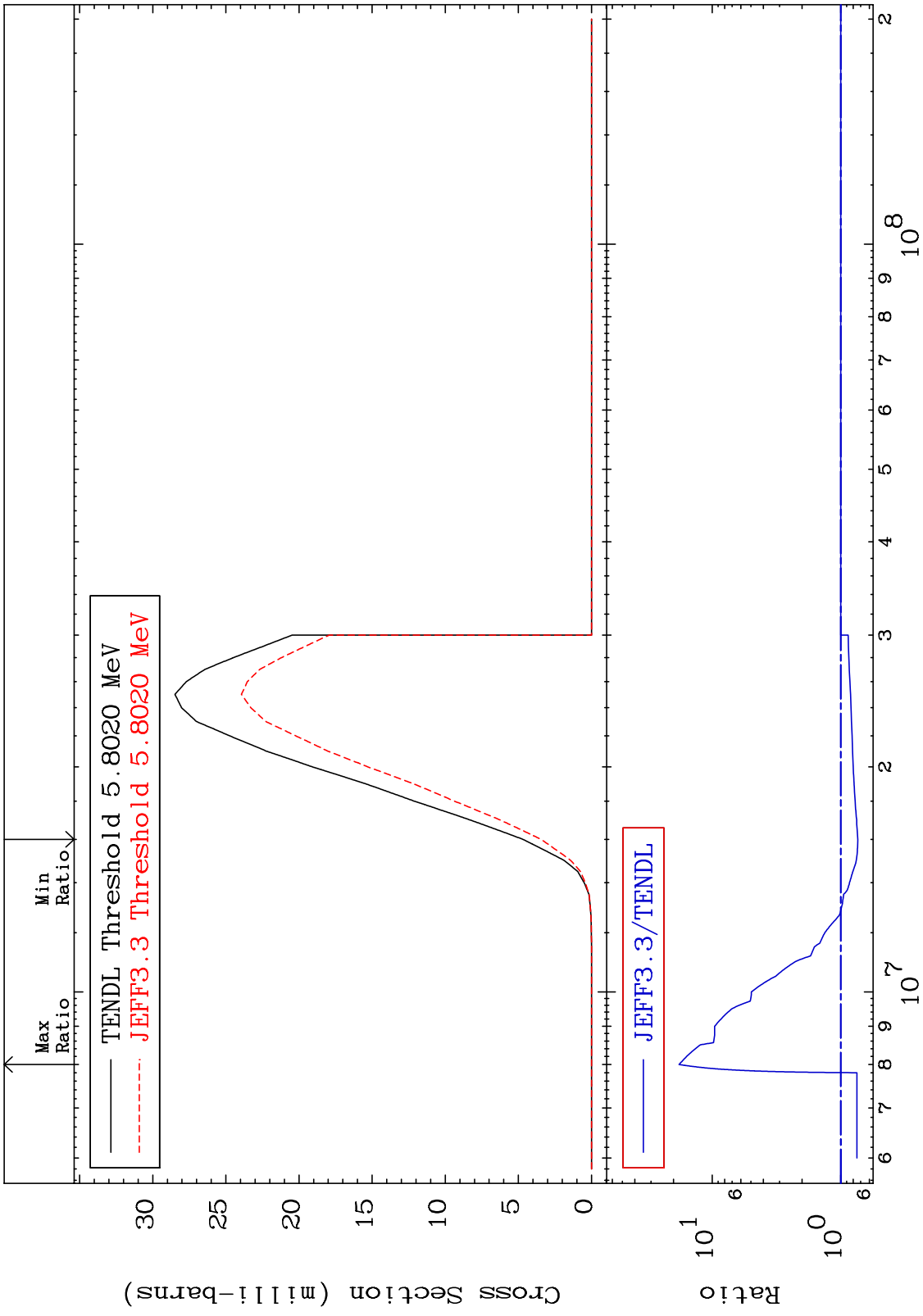
Inelastic: 34-Se-77m1

34-Se-77

Radionuclide Production Cross Section -0.469 To 0.174 %



MAT 3434 (n,n')  $\alpha$ : 32-Ge-73g 34-Se-77  
 Radionuclide Production Cross Section -26.33 To 1714. %

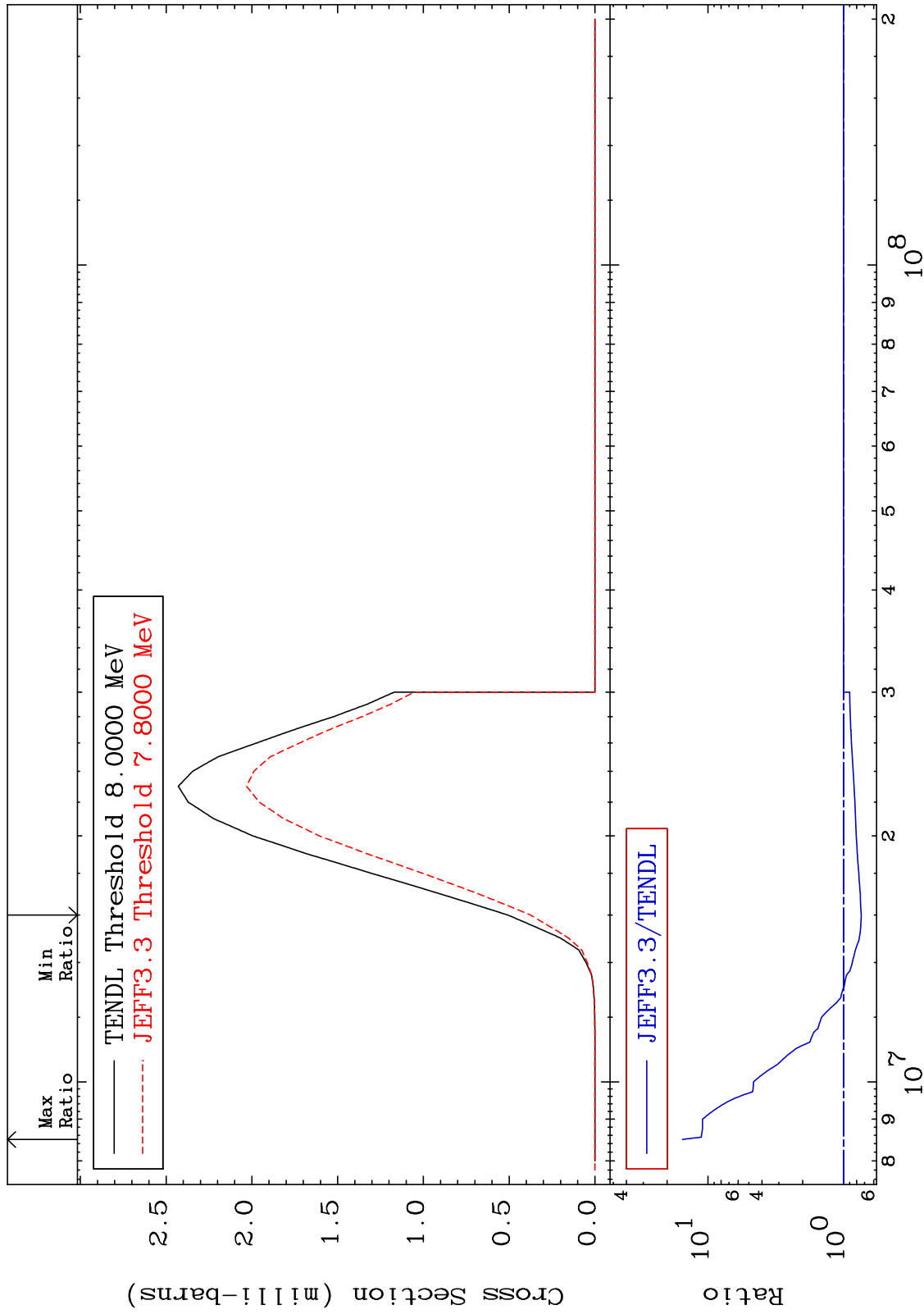


MAT 3434

(n, n')  $\alpha$ :32-Ge-73m2

34-Se-77

Radionuclide Production Cross Section -26.04 To 1443. %

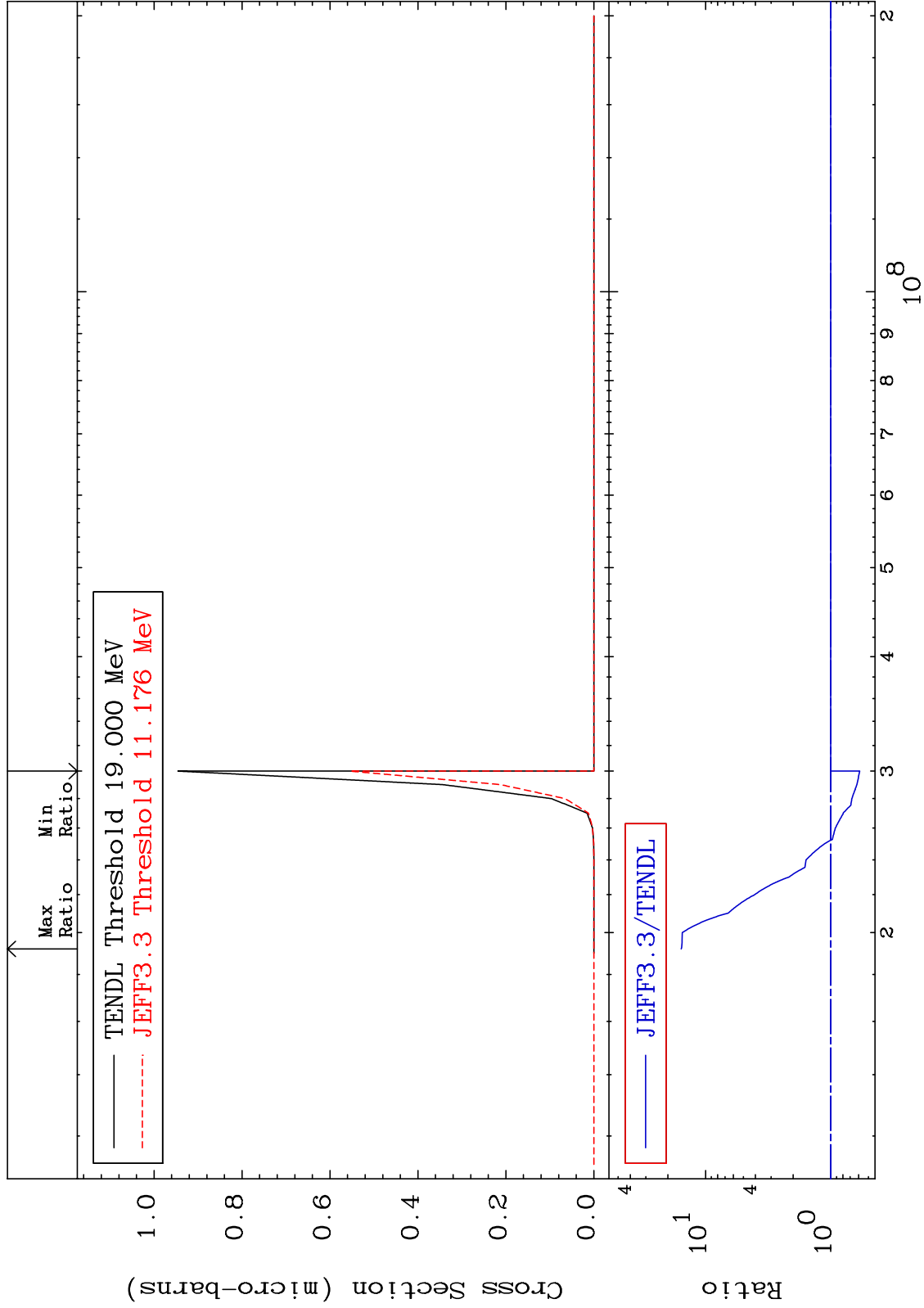


MAT 3434

(n, n')  $^{2\alpha:30}\text{Zn-69g}$

$^{34}\text{Se-77}$

Radionuclide Production Cross Section -41.33 To 1465. %

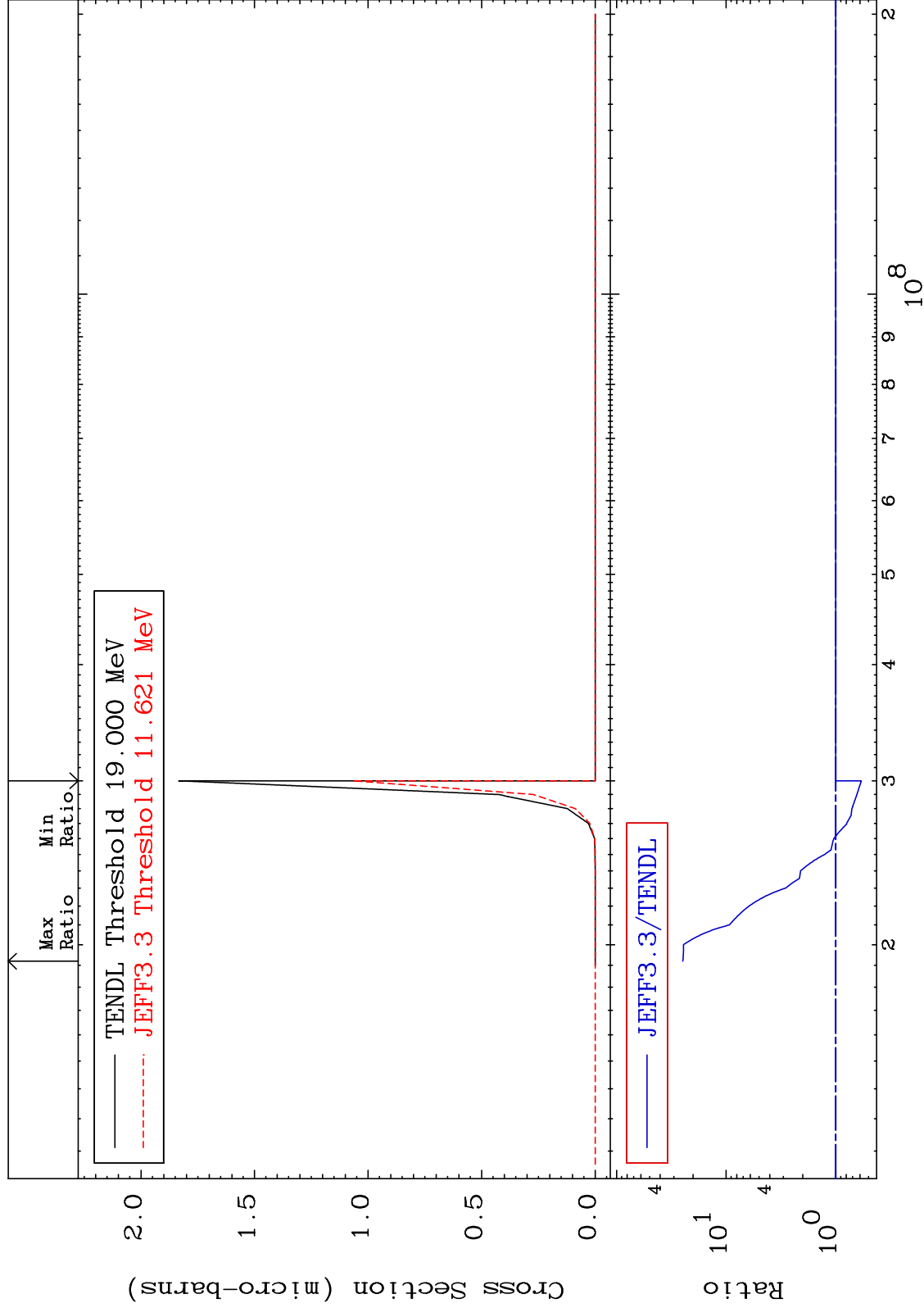


MAT 3434

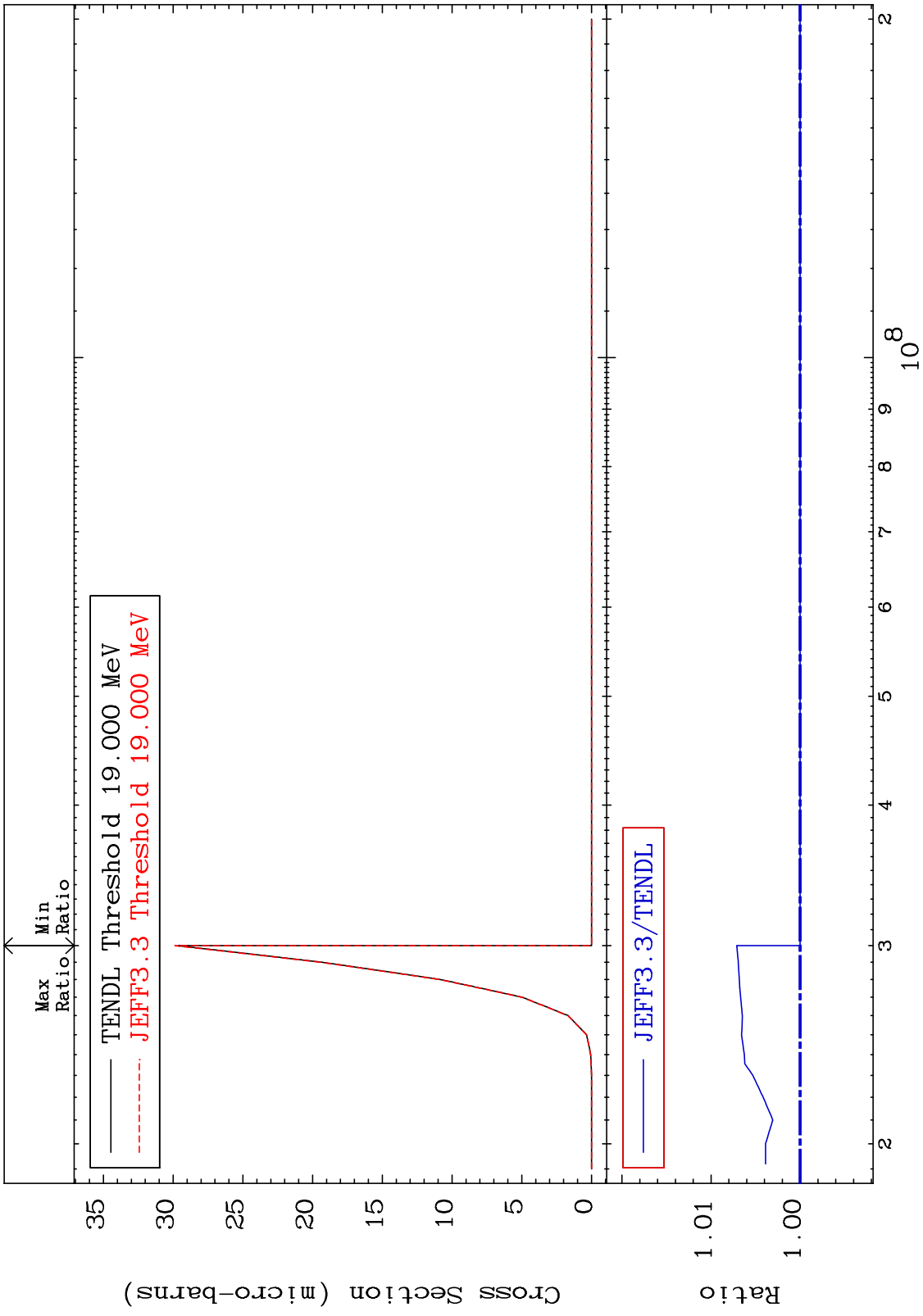
(n,n') 2α:30-Zn-69m1

34-Se-77

Radionuclide Production Cross Section -41.74 To 2393. %



MAT 3434 (n,2n) p:32-Ge-75g 34-Se-77  
 Radionuclide Production Cross Section 0.000 To 0.711 %

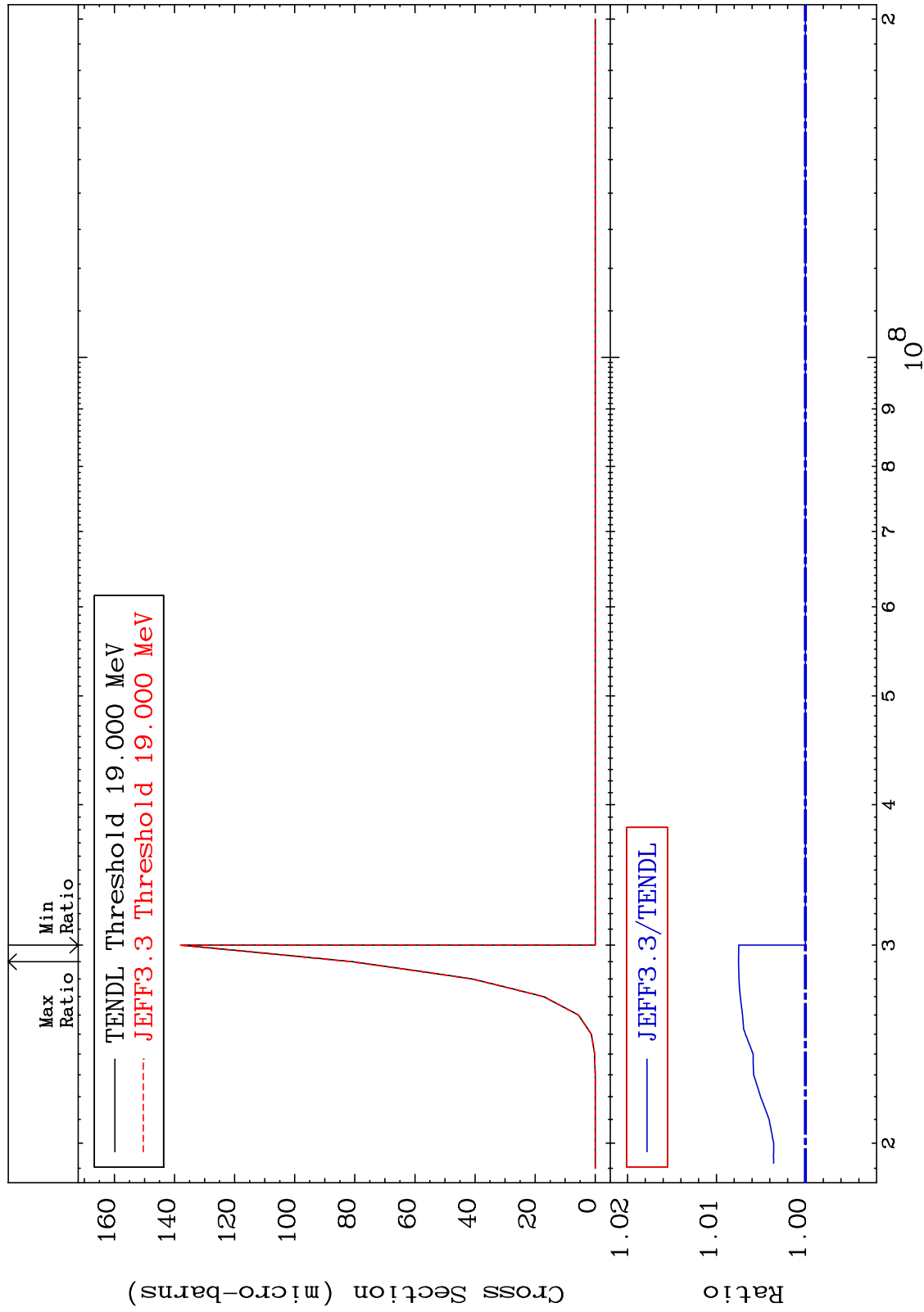


MAT 3434

(n,2n) p:32-Ge-75m2

34-Se-77

Radionuclide Production Cross Section 0.000 To 0.752 %

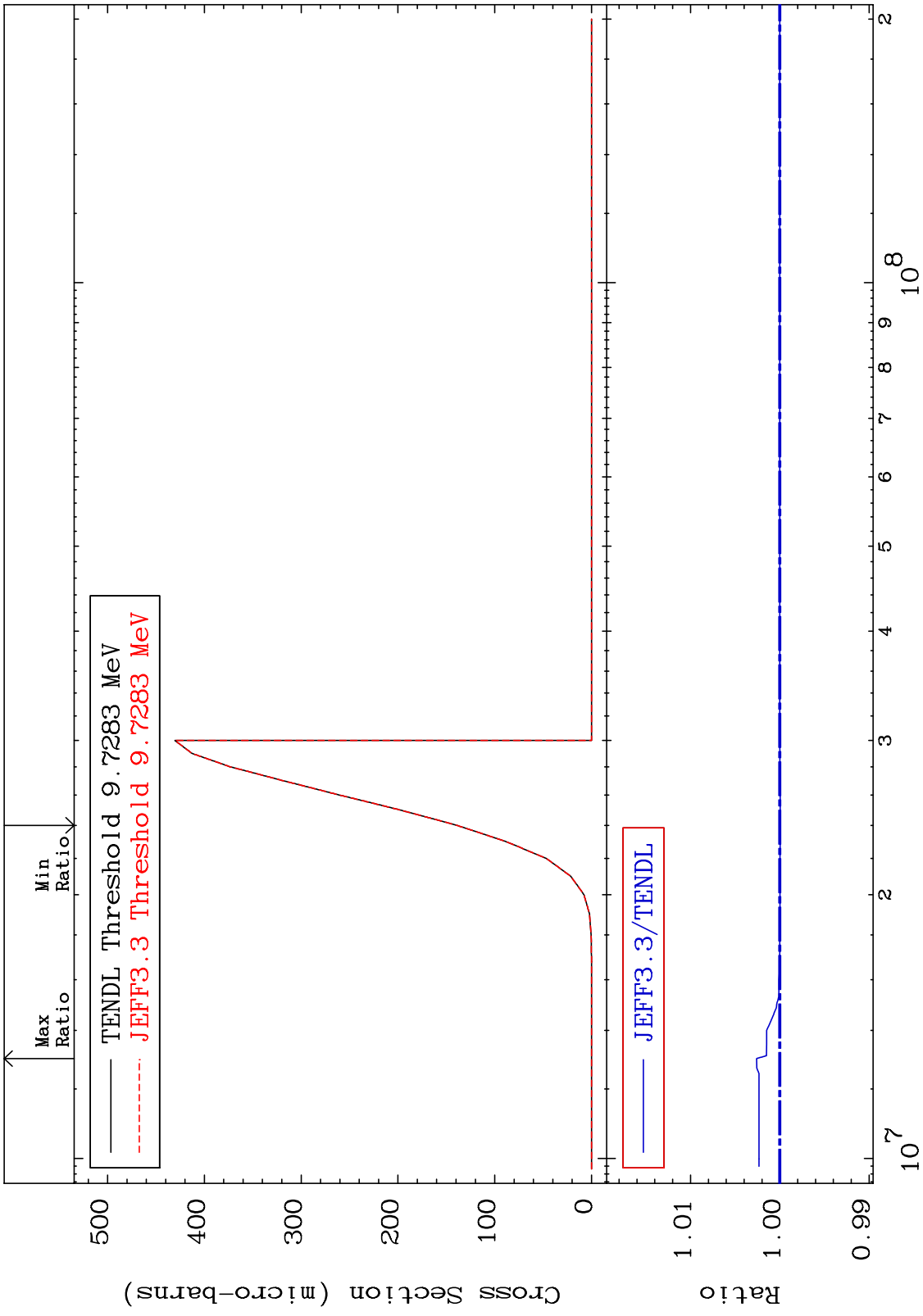


87

Incident Energy (eV)

34-Se-77

MAT 3434 (n,He-3) : 32-Ge-75g 34-Se-77  
 Radionuclide Production Cross Section -0.004 To 0.259 %

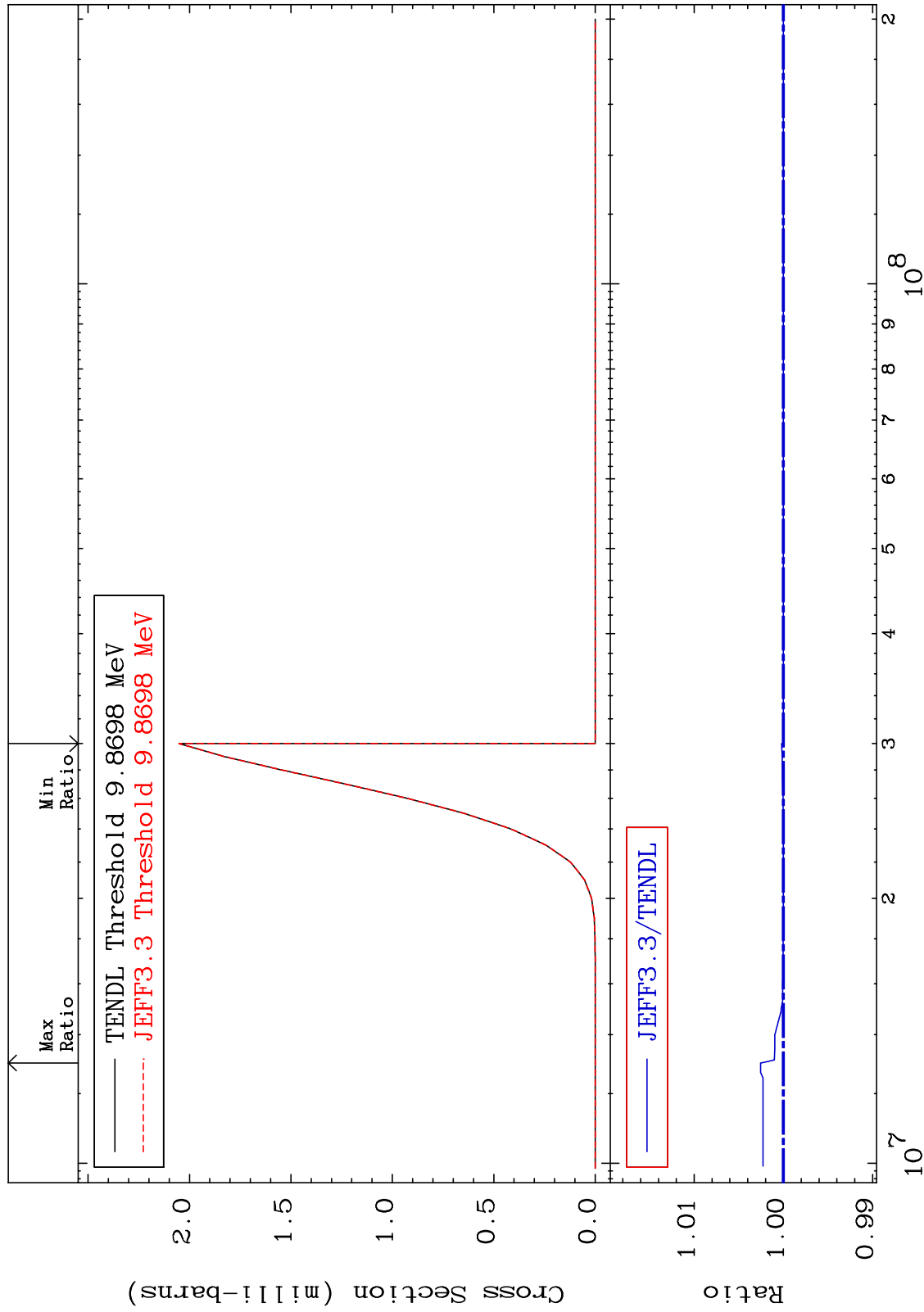


MAT 3434

(n, He-3) : 32-Ge-75m2

34-Se-77

Radionuclide Production Cross Section 0.000 To 0.255 %



89

Incident Energy (eV)

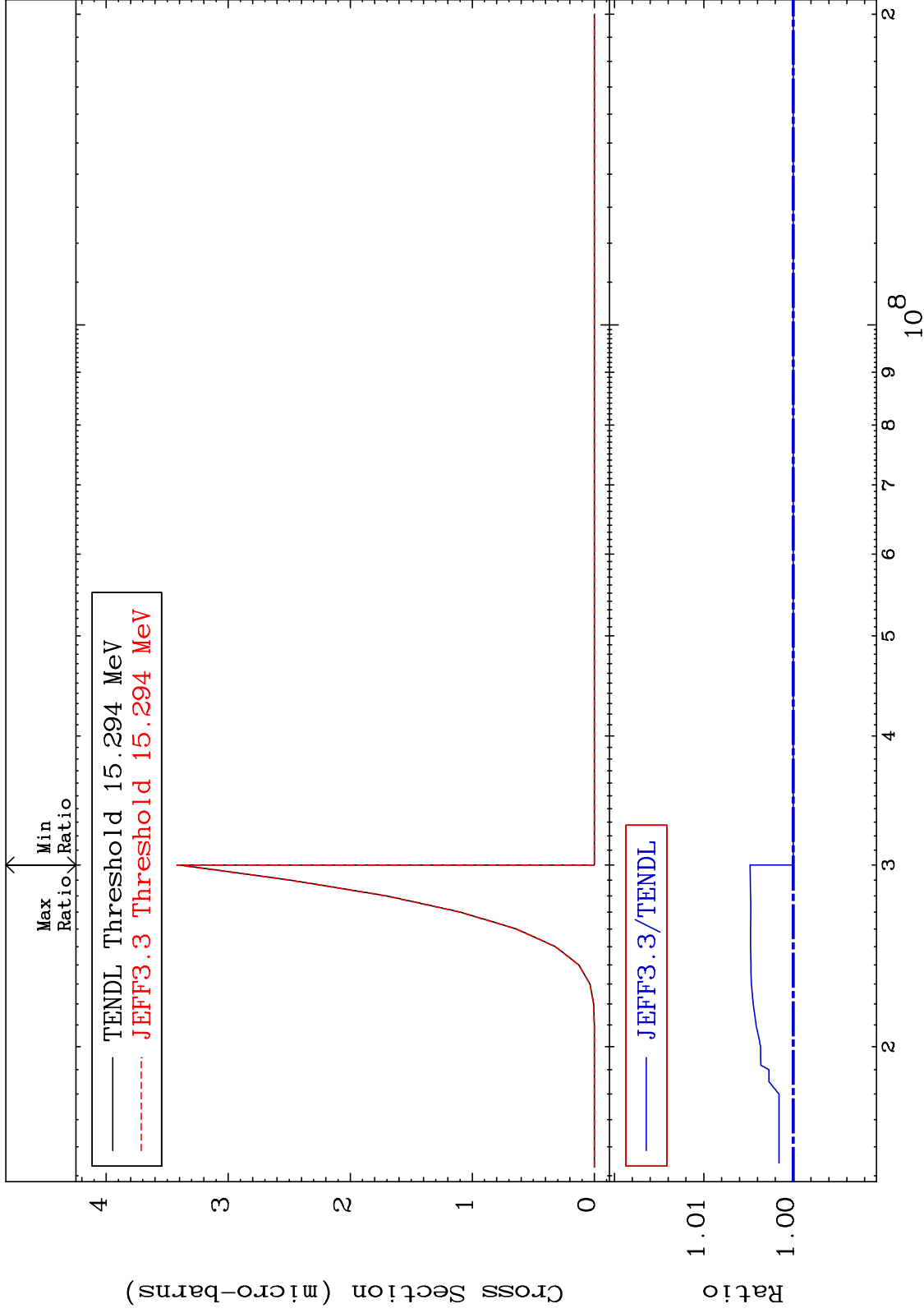
34-Se-77

MAT 3434

(n, p) d:32-Ge-75g

34-Se-77

Radionuclide Production Cross Section 0.000 To 0.483 %



90

Incident Energy (eV)

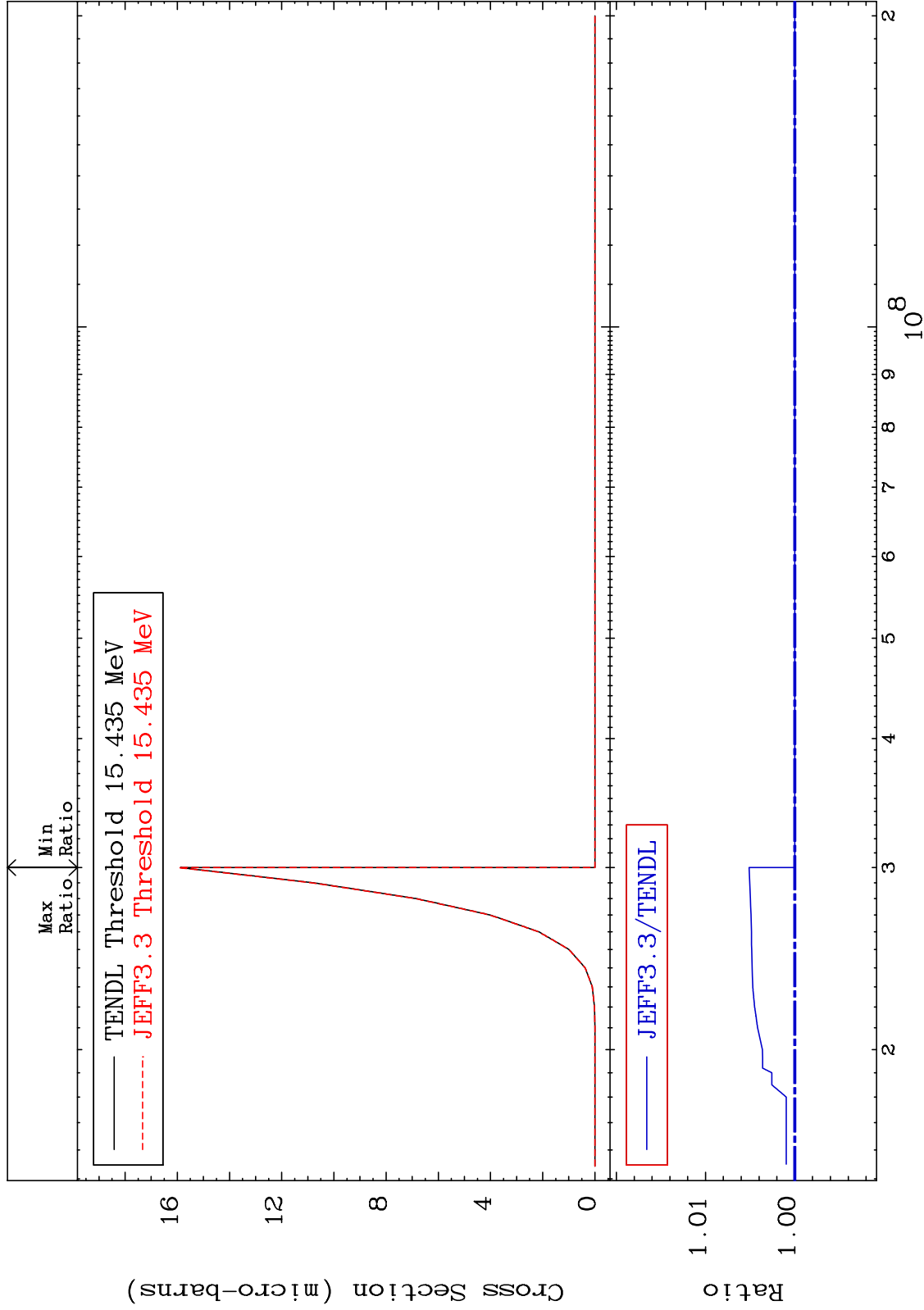
34-Se-77

MAT 3434

(n, p) d:32-Ge-75m2

34-Se-77

Radionuclide Production Cross Section 0.000 To 0.513 %



91

Incident Energy (eV)

34-Se-77