

Program Complot  
(Version 2018-1)

by

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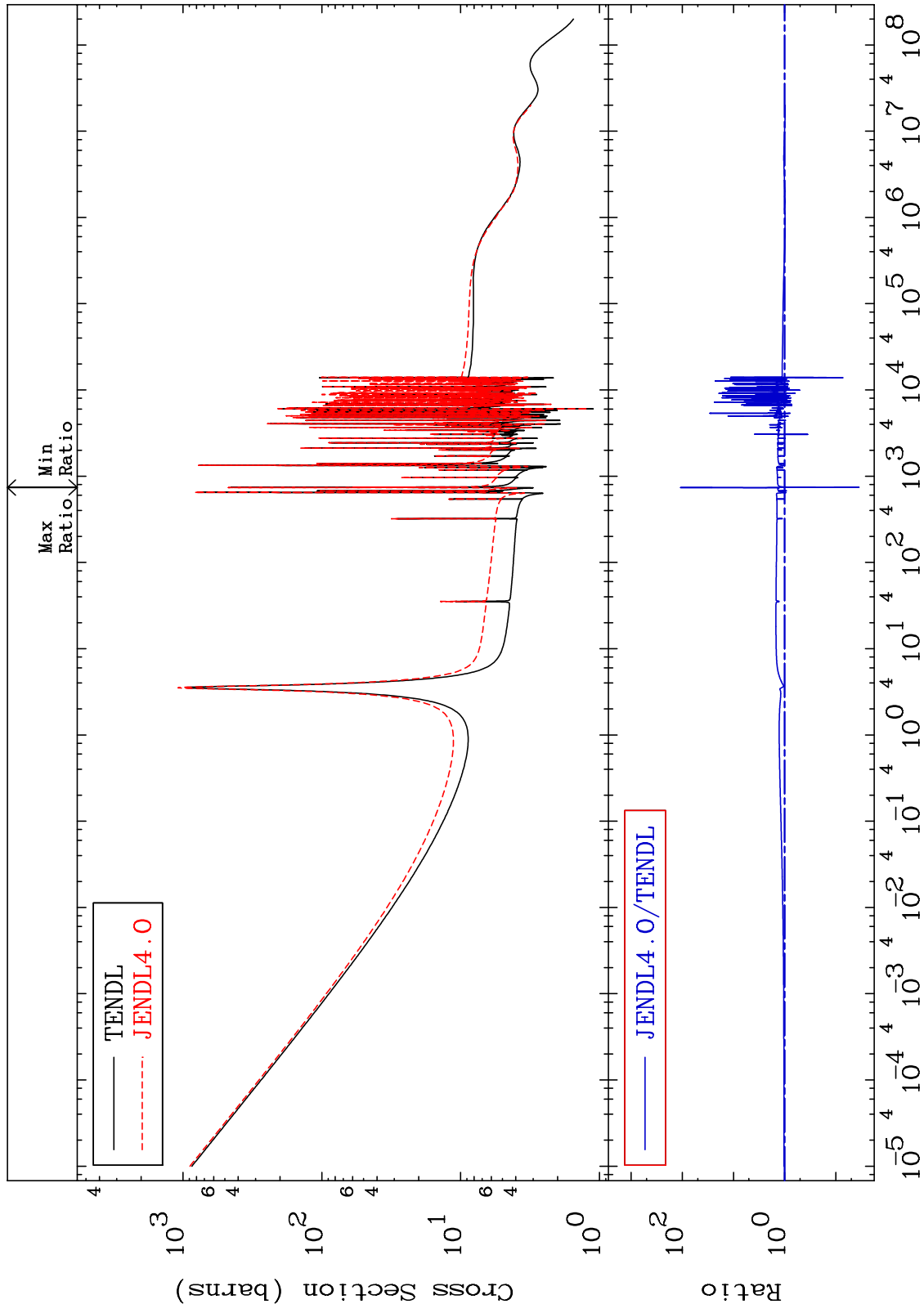
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

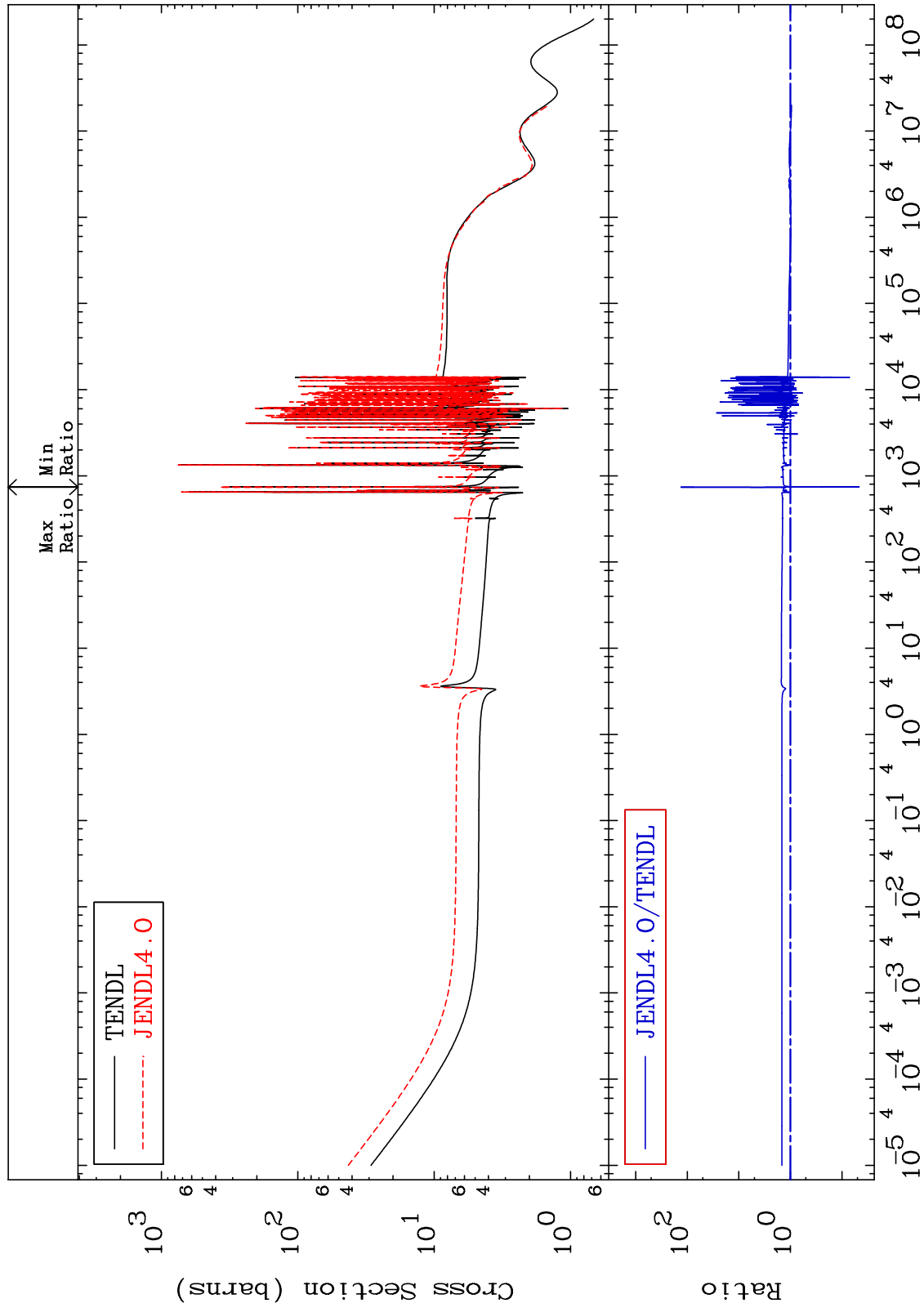
MAT 3834

Total  
Cross Section

38-Sr-87  
-96.47 To 9999. %

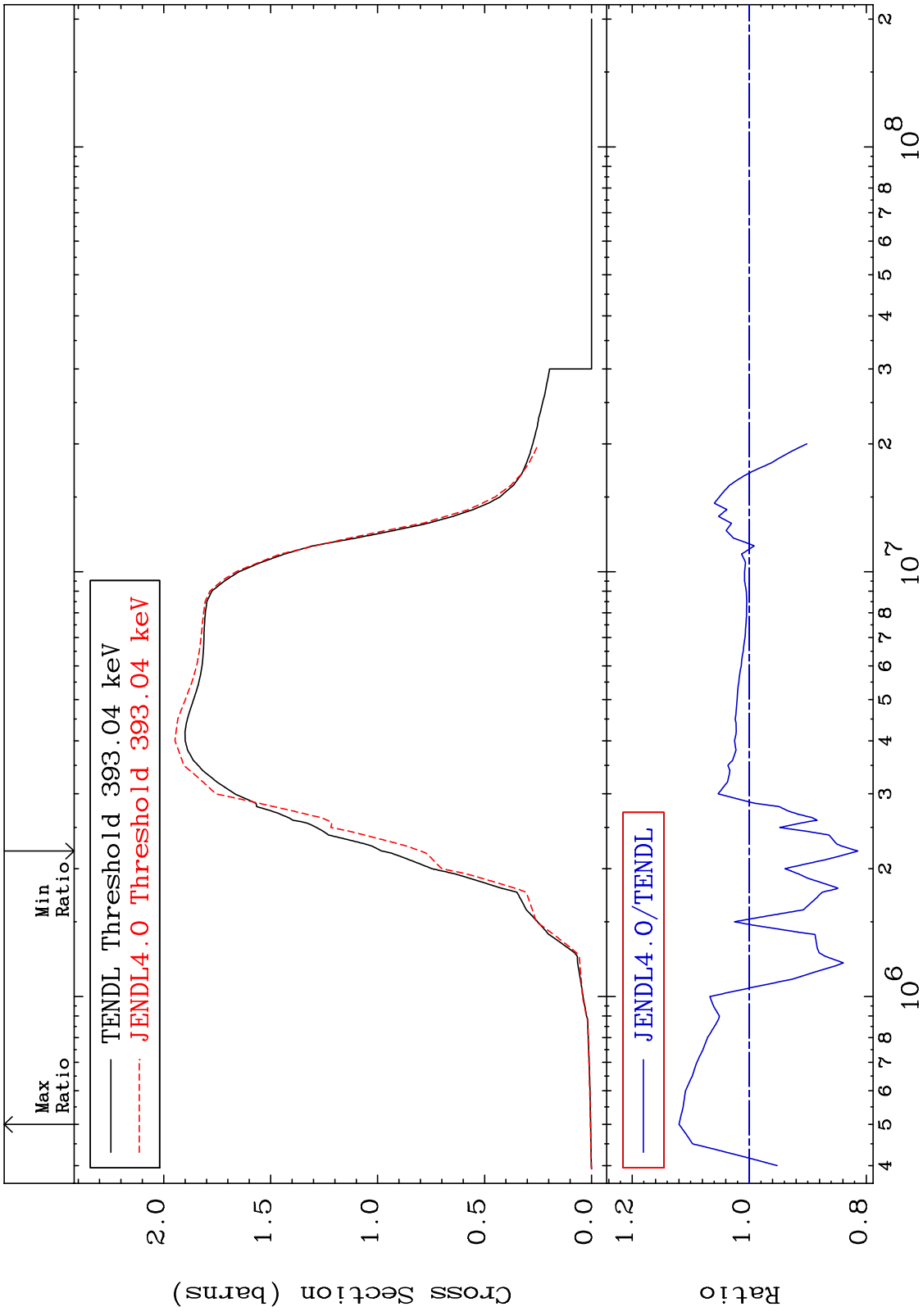


MAT 3834 Elastic Cross Section 38-Sr-87 -95.33 To 9999. %



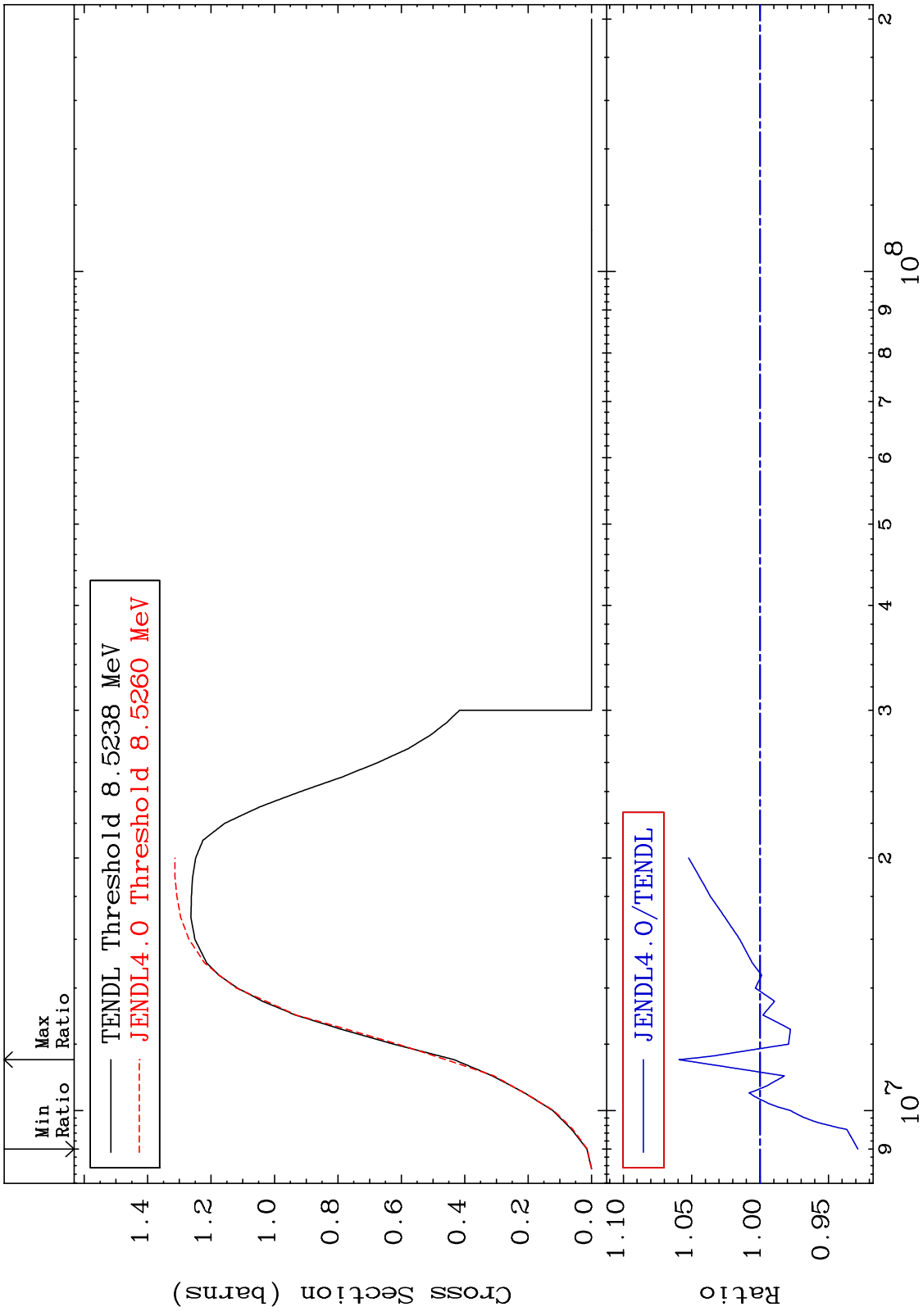
2 38-Sr-87

MAT 3834 Inelastic Cross Section 38-Sr-87 -18.55 To 11.98 %



3 38-Sr-87

MAT 3834 (n,2n) Cross Section 38-Sr-87 -7.151 To 5.928 %



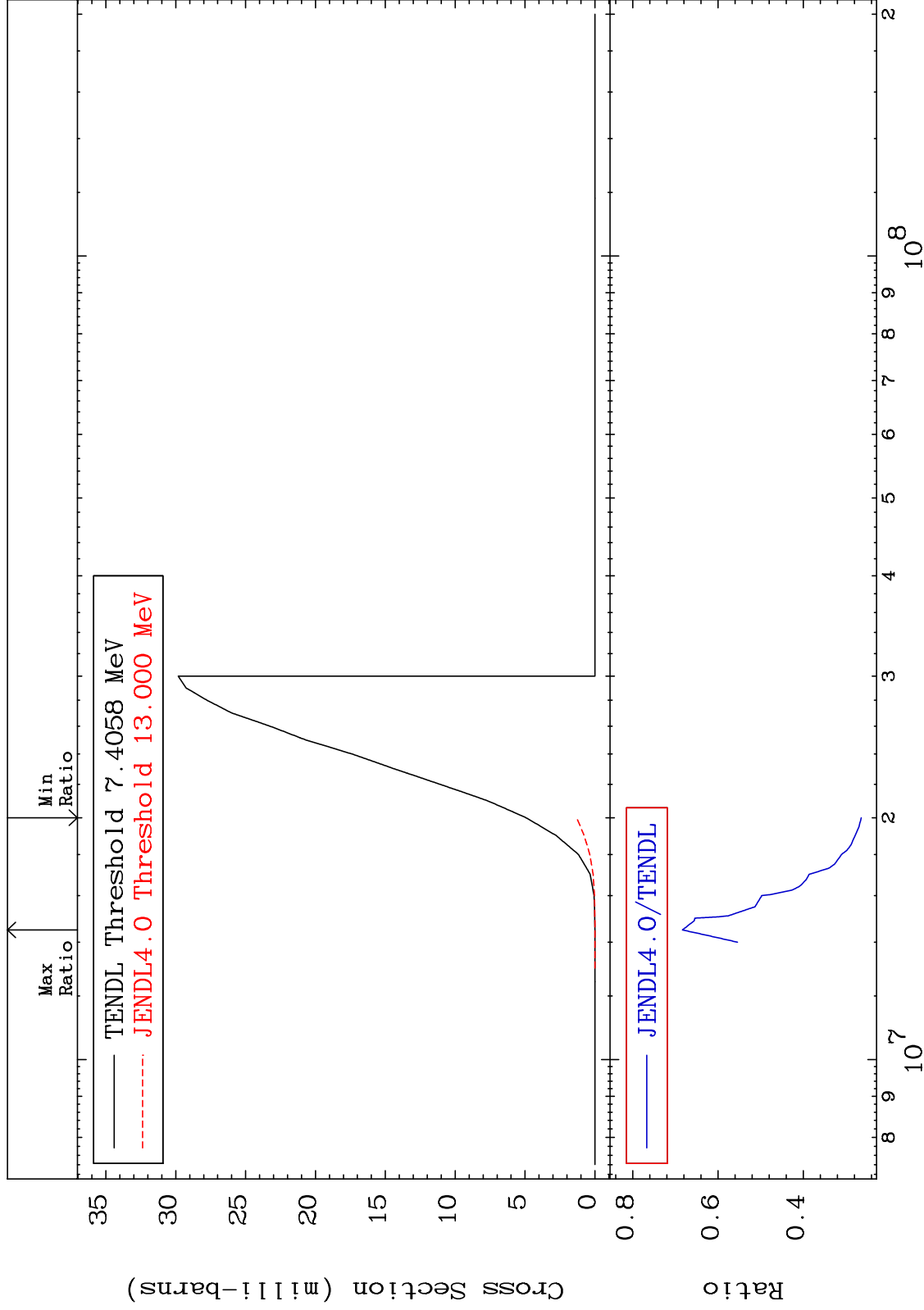
MAT 3834

(n,n')  $\alpha$

38-Sr-87

Cross Section

-73.60 To -31.65%

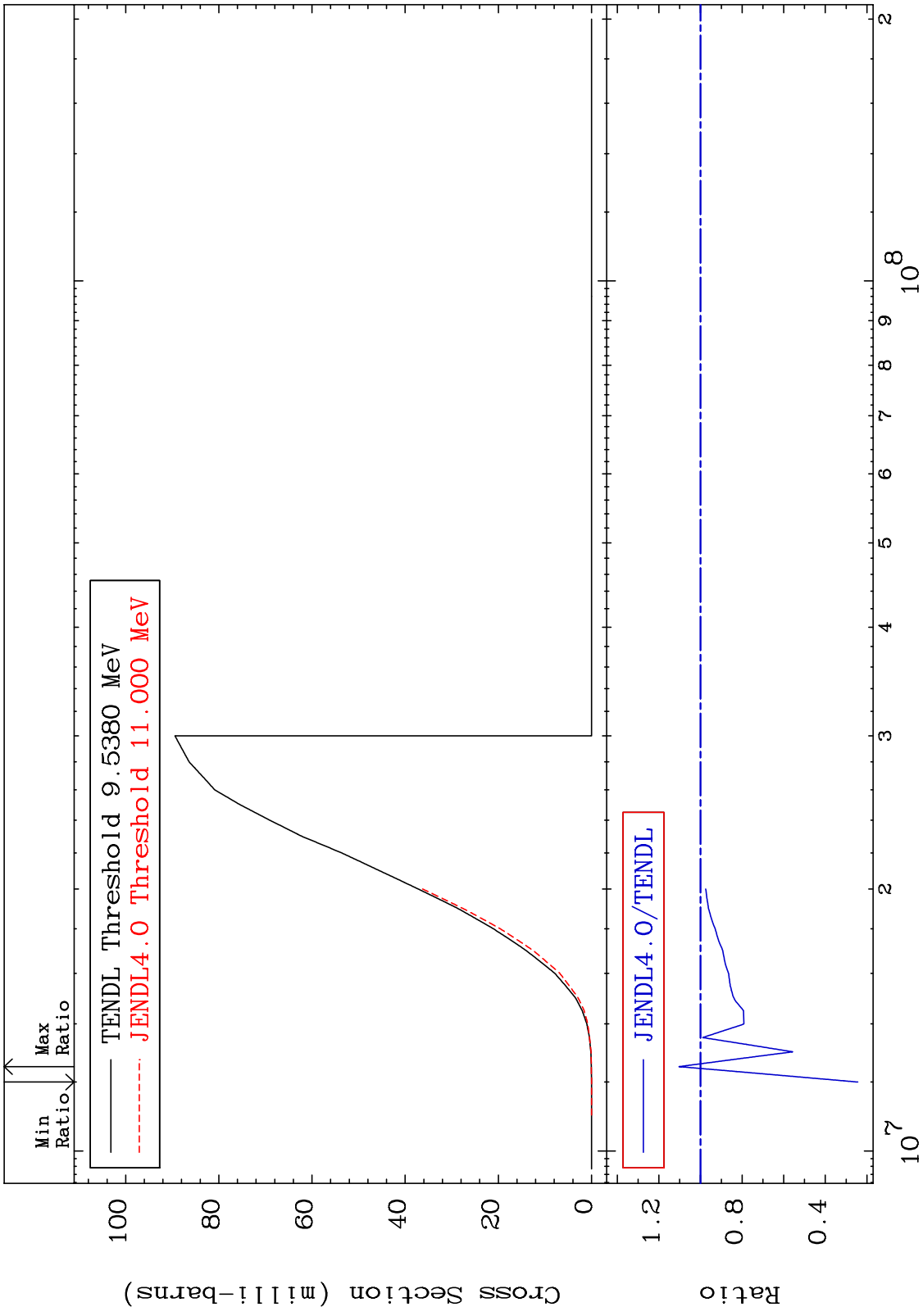


5

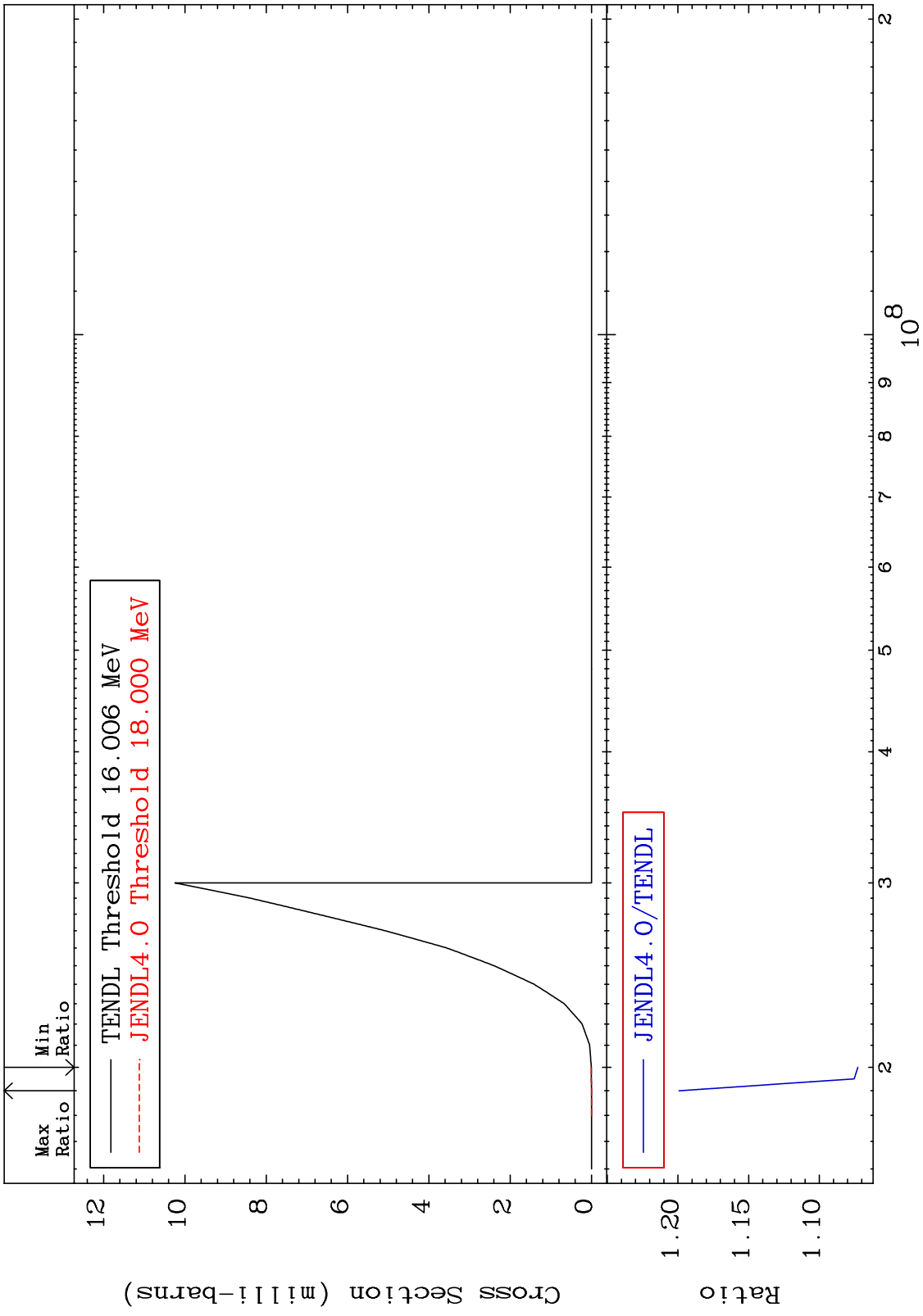
Incident Energy (eV)

38-Sr-87

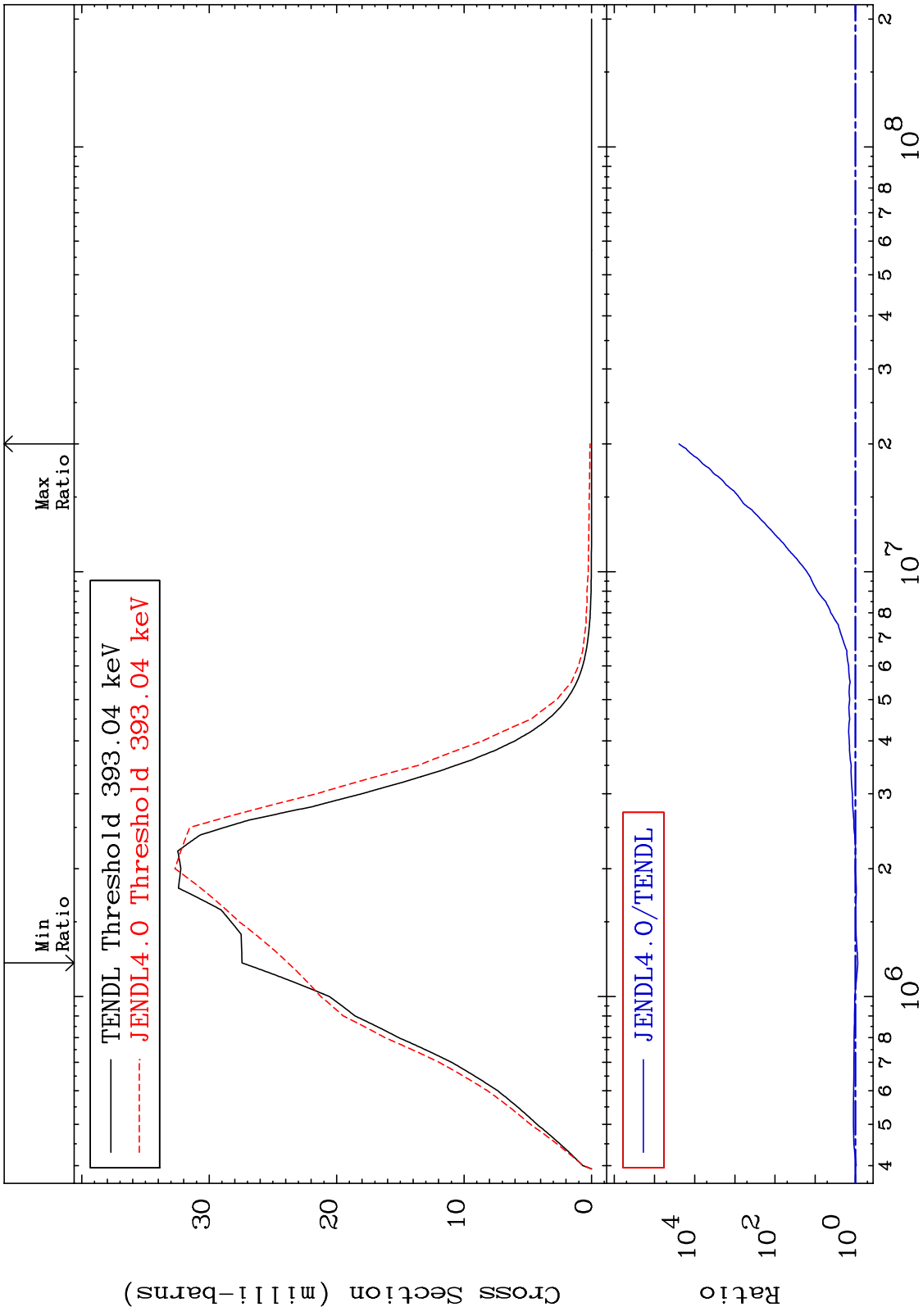
MAT 3834 (n,n') p 38-Sr-87  
 Cross Section -75.64 To 10.32 %



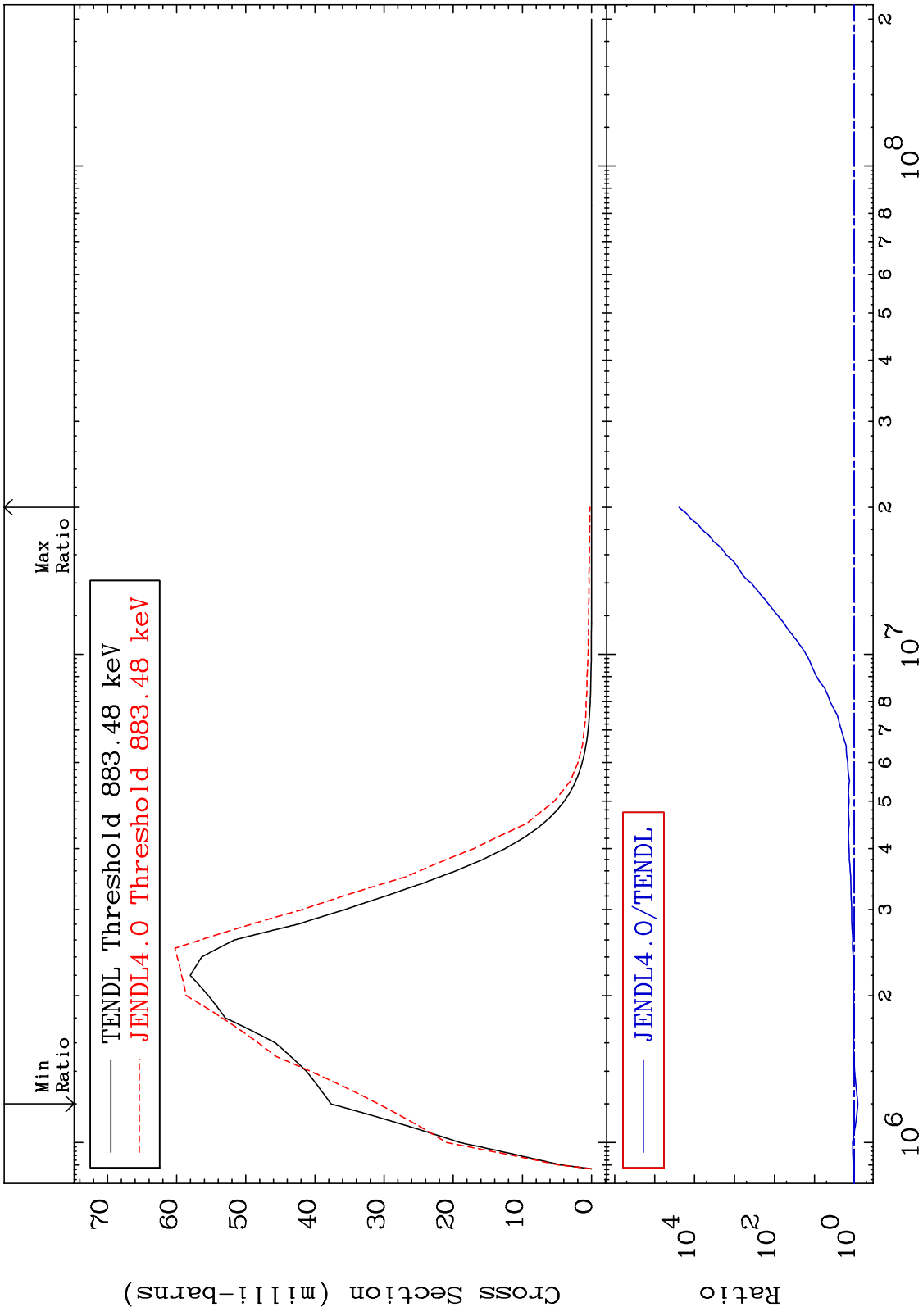
38-Sr-87



MAT 3834 MT= 51 (n,n') Level Cross Section -13.17 To 9999. % 38-Sr-87

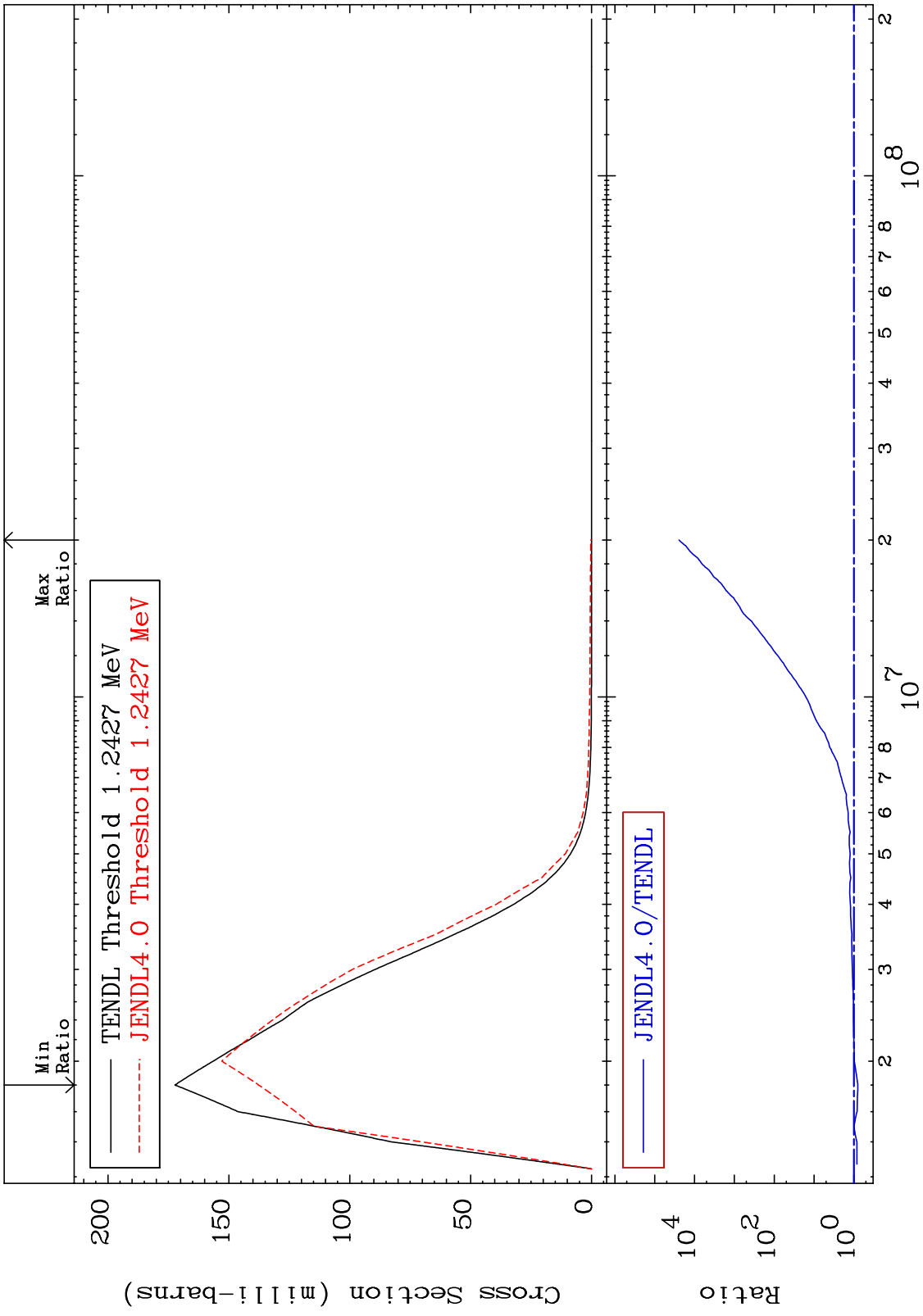


MAT 3834 MT= 52 (n,n') Level Cross Section -18.20 To 9999. % 38-Sr-87

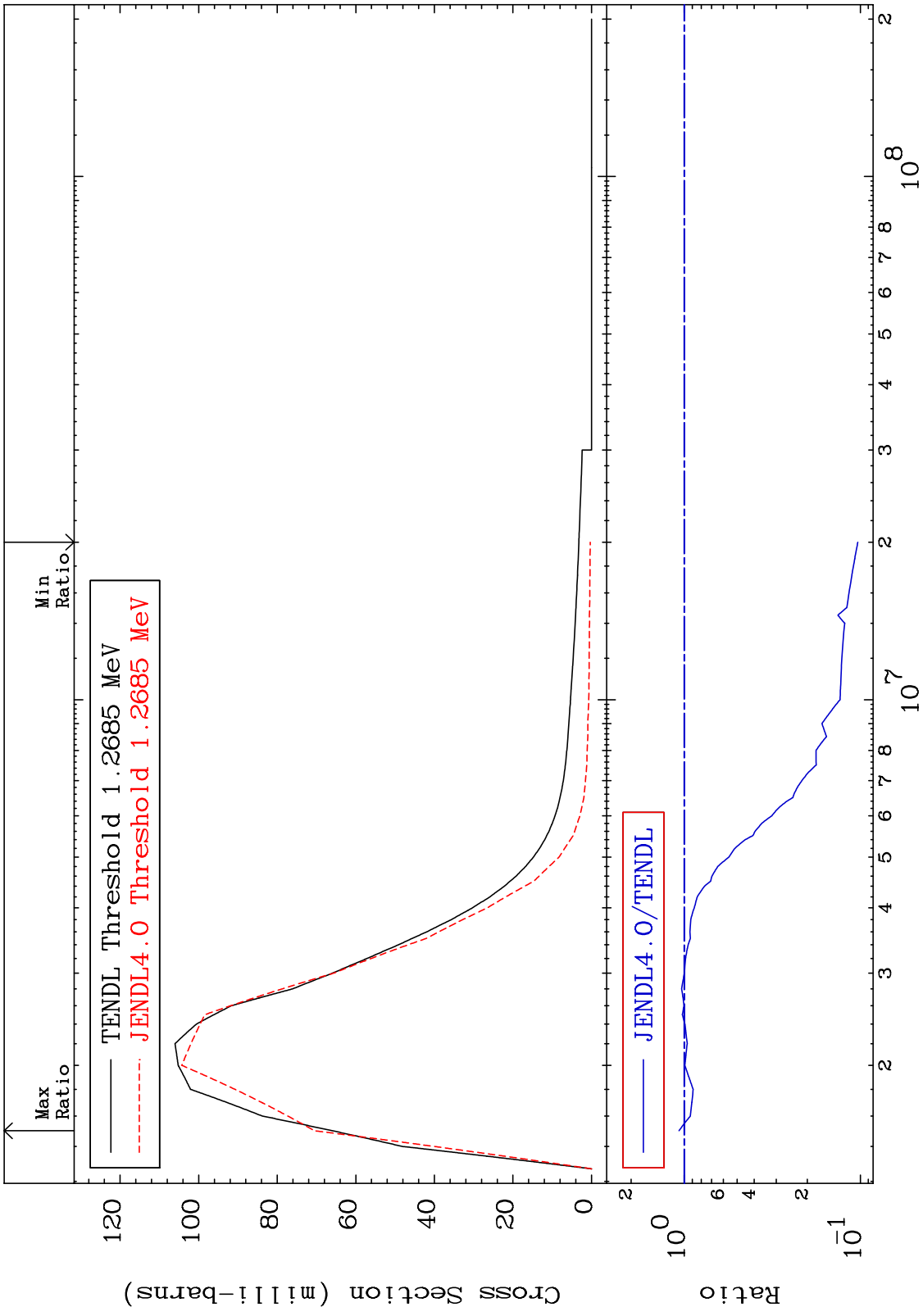


Incident Energy (eV) 38-Sr-87

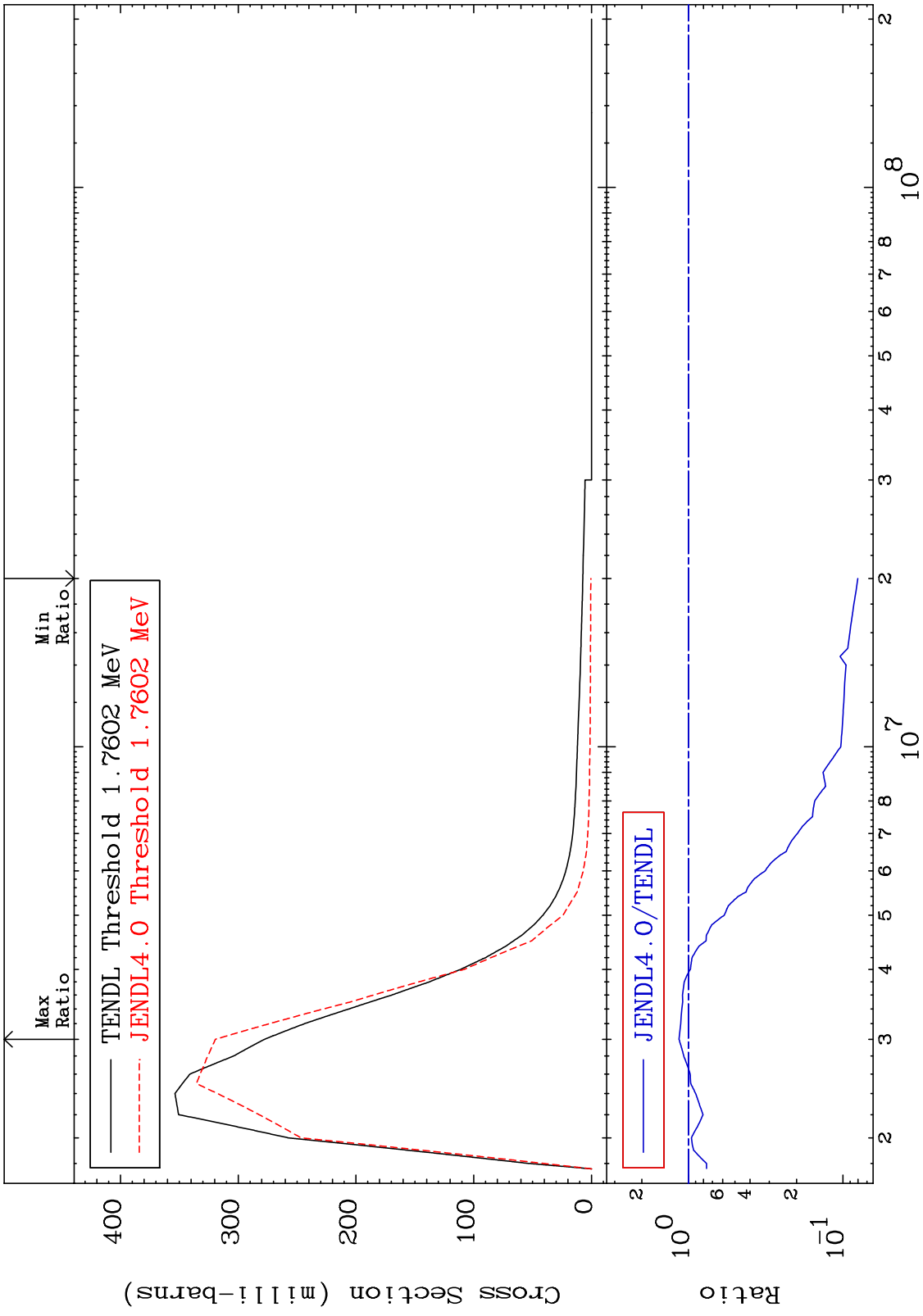
MAT 3834 MT= 53 (n,n') Level Cross Section 38-Sr-87  
-20.10 To 9999. %



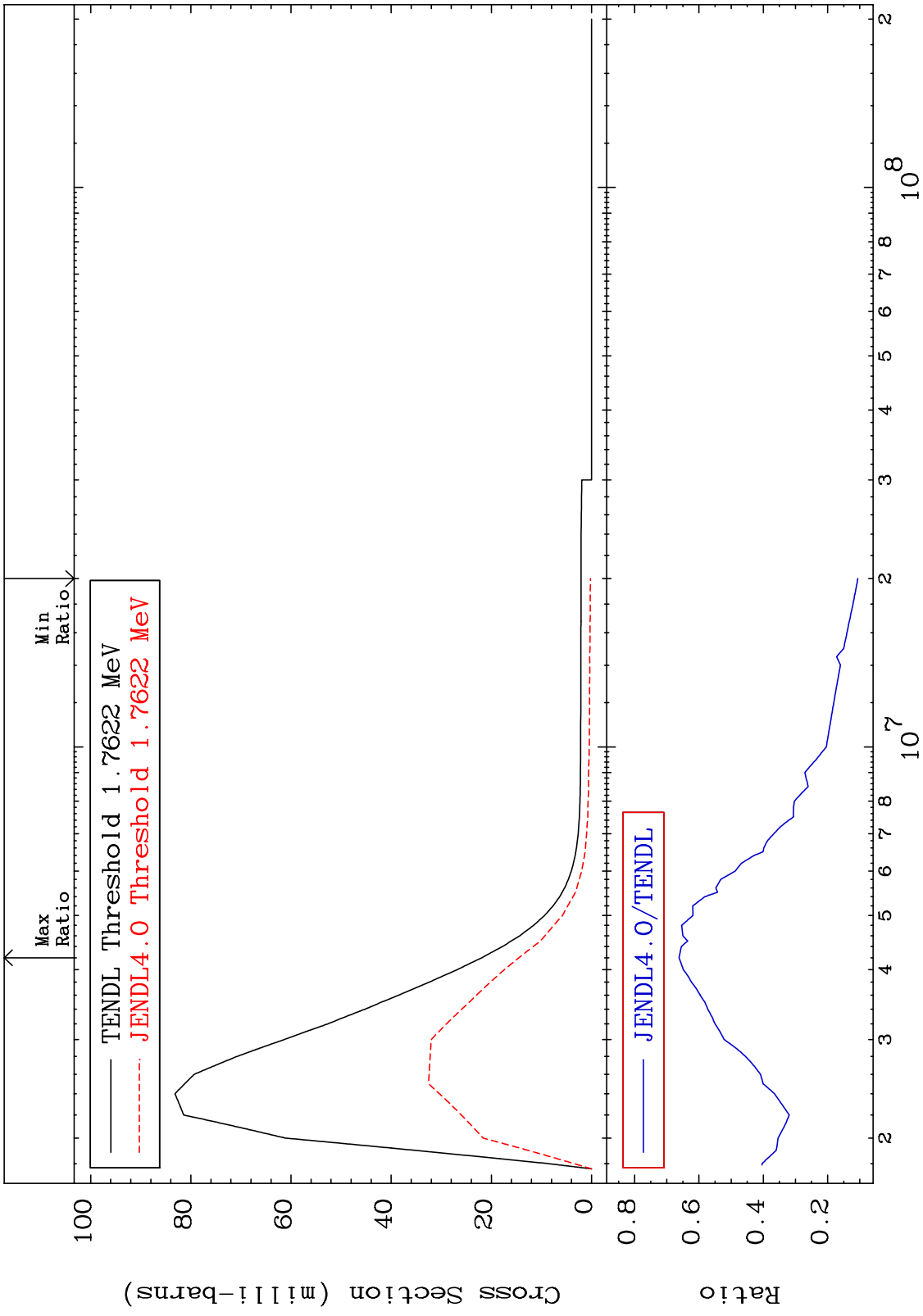
MAT 3834 MT= 54 (n,n') Level Cross Section 38-Sr-87  
 -89.67 To 6.933 %



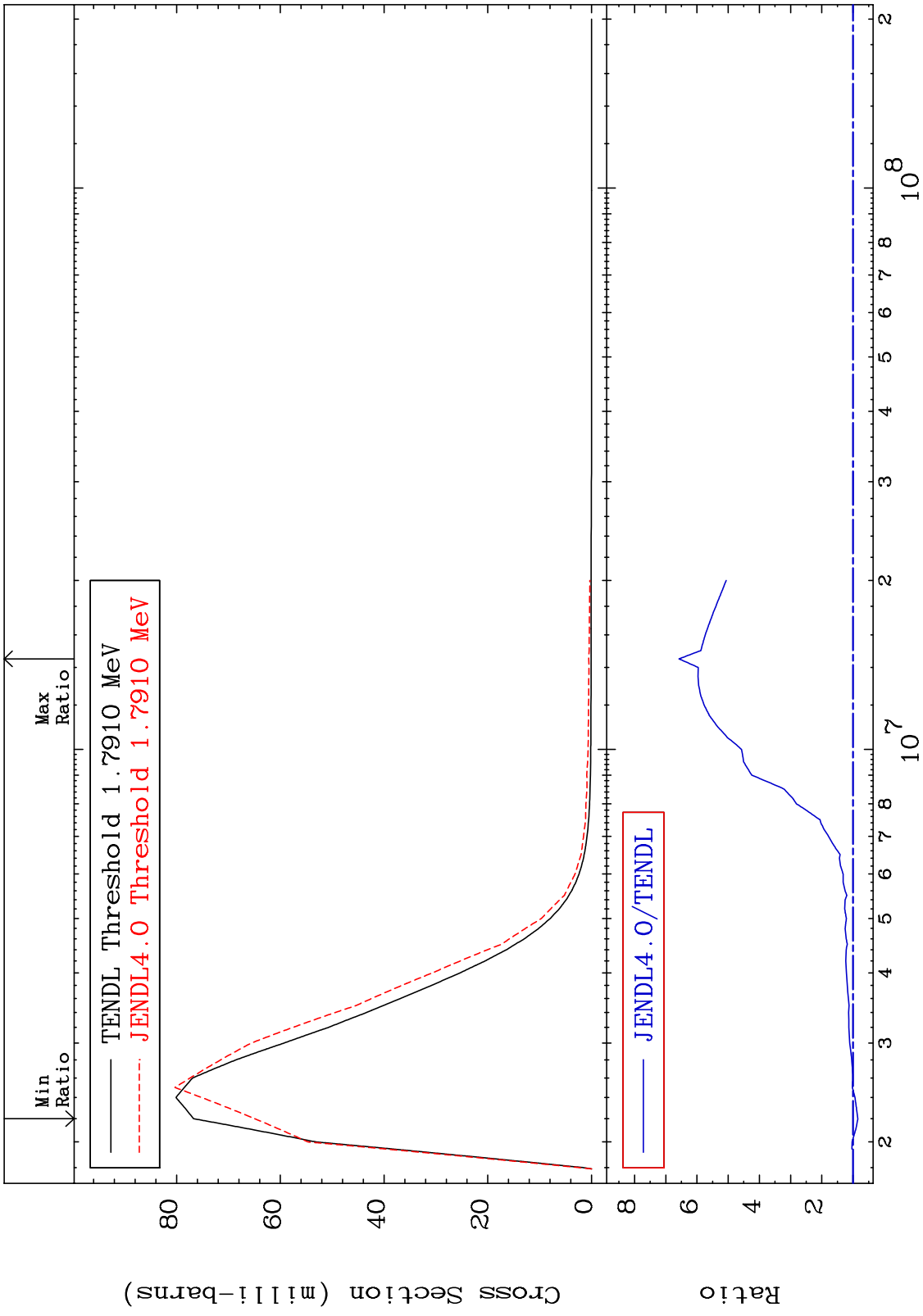
MAT 3834 MT= 55 (n,n') Level Cross Section 38-Sr-87  
 -91.98 To 15.01 %



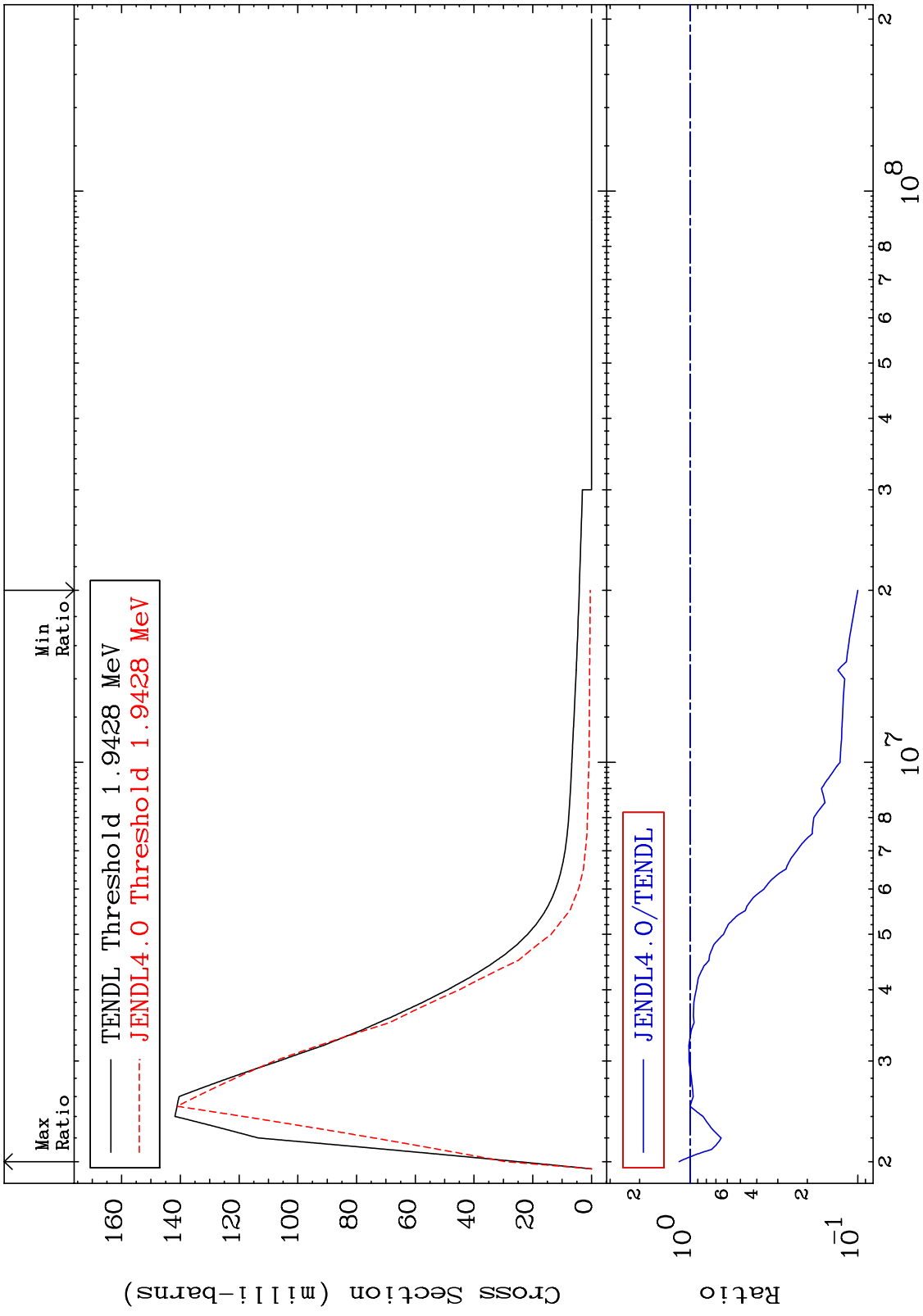
MAT 3834 MT= 56 (n,n') Level Cross Section 38-Sr-87  
 -89.39 To -33.81%



MAT 3834 MT= 57 (n,n') Level Cross Section -15.37 To 557.4 % 38-Sr-87

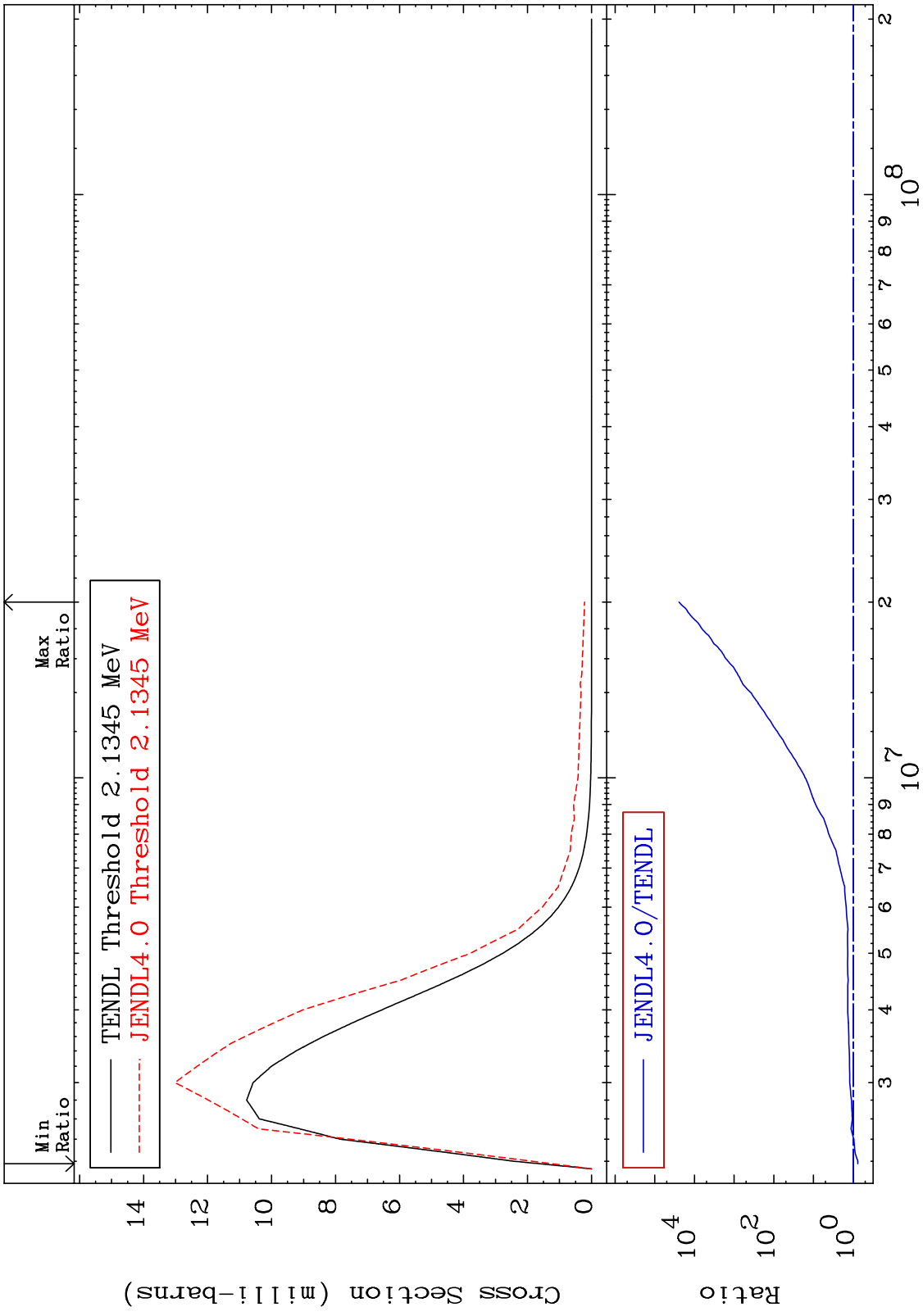


MAT 3834 MT= 58 (n,n') Level Cross Section -90.02 To 16.29 % 38-Sr-87

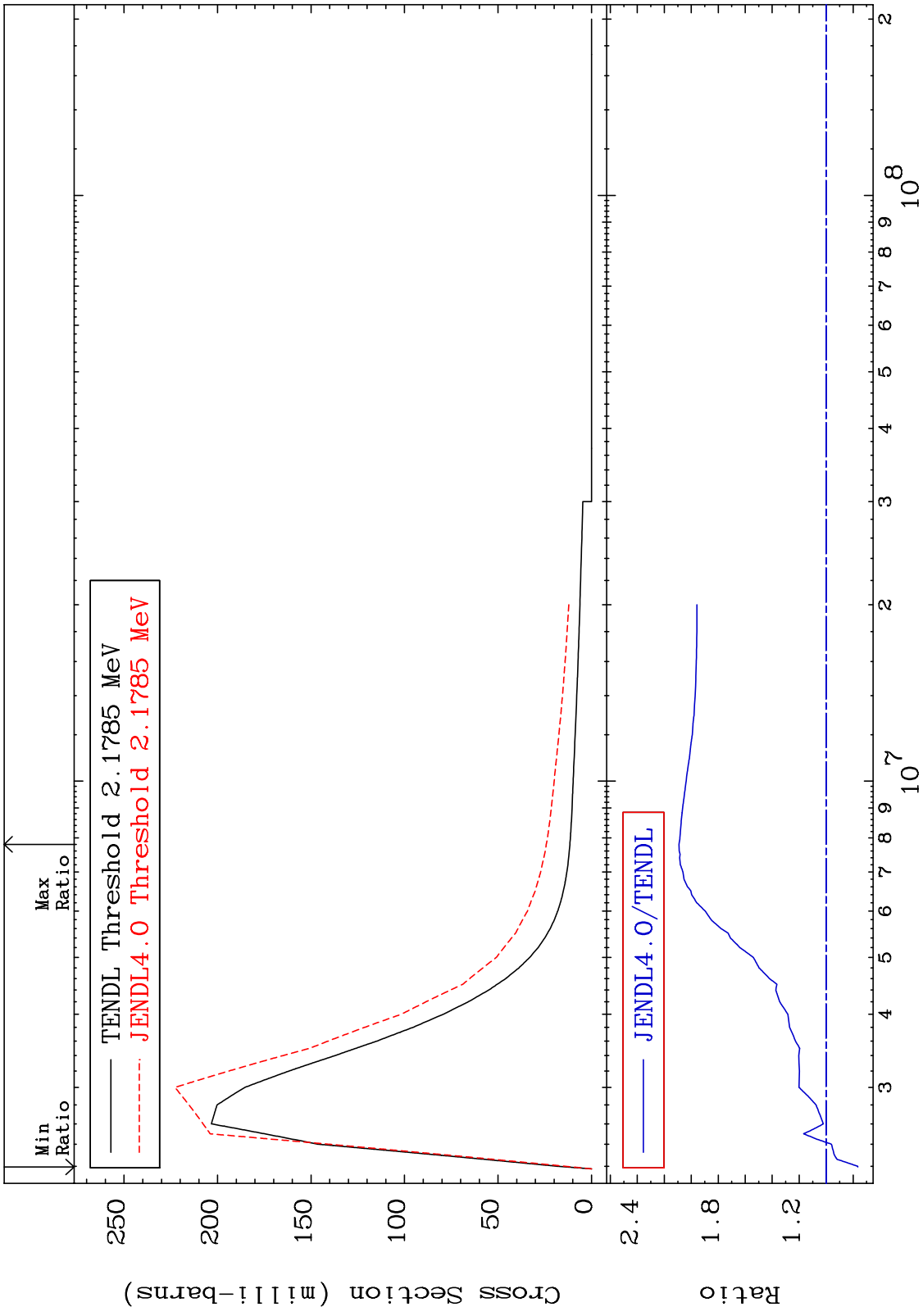


15 38-Sr-87 Incident Energy (eV)

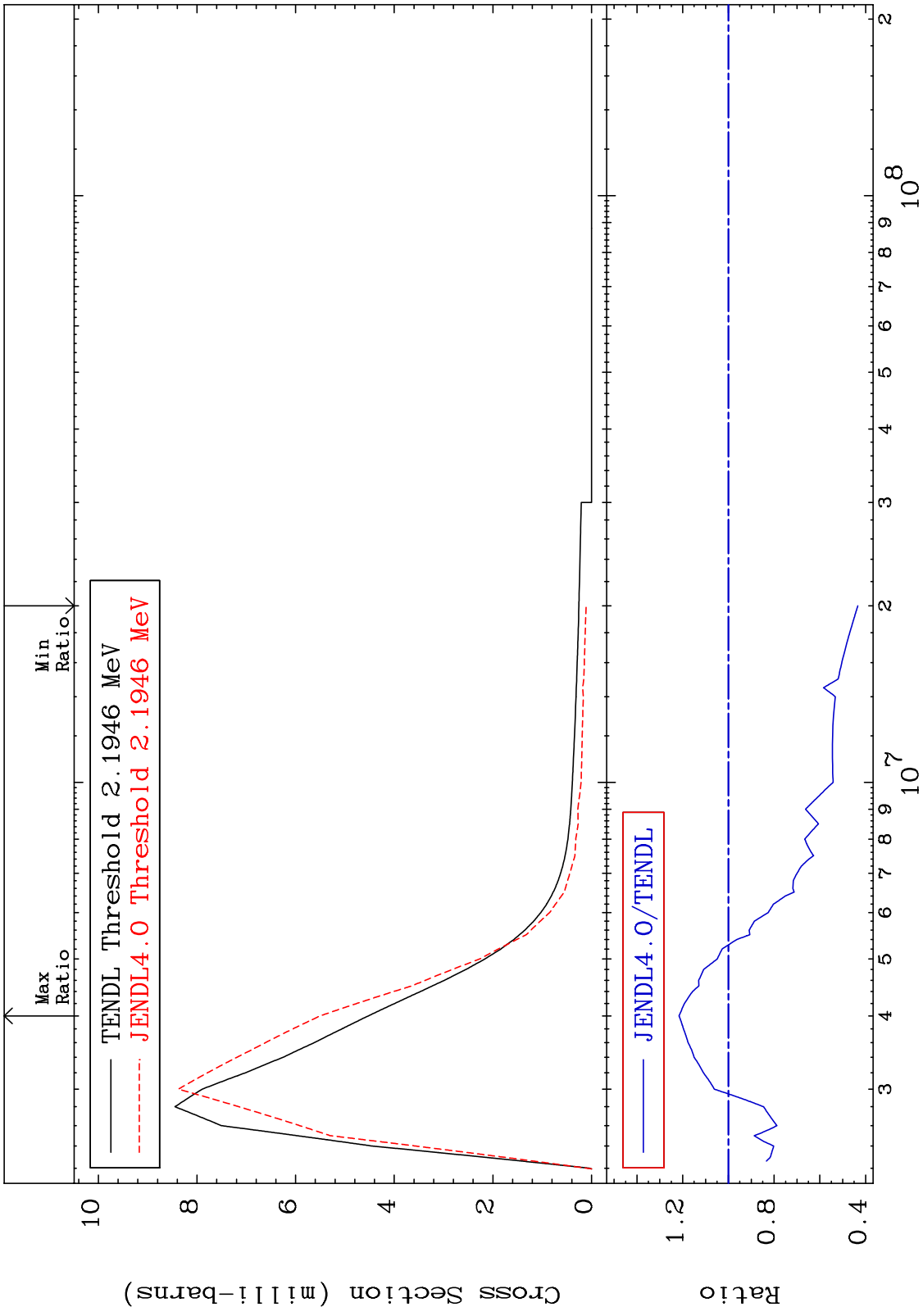
MAT 3834 MT= 59 (n,n') Level Cross Section 38-Sr-87  
 -23.66 To 9999. %



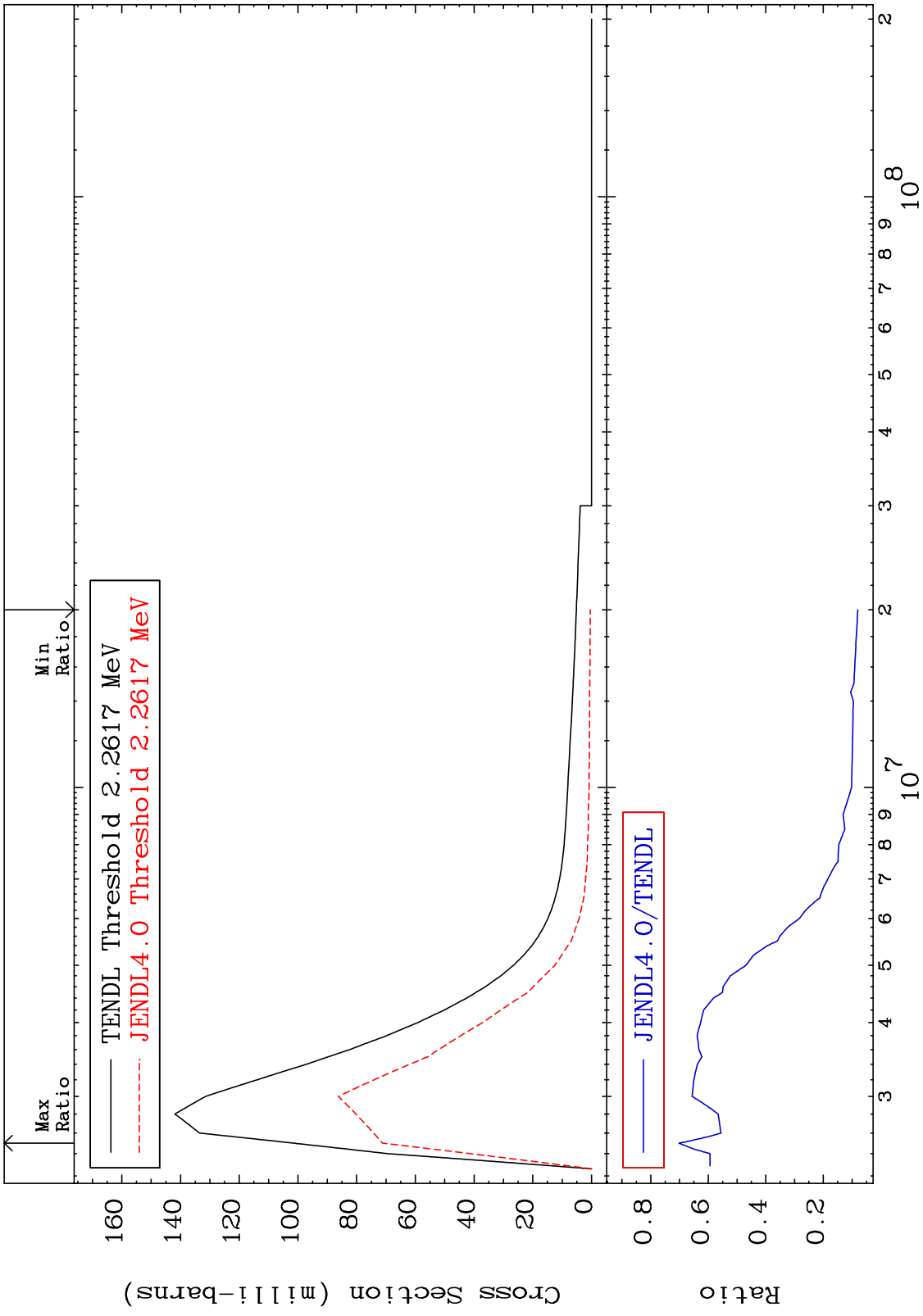
MAT 3834 MT= 60 (n,n') Level Cross Section -23.51 To 109.1 % 38-Sr-87



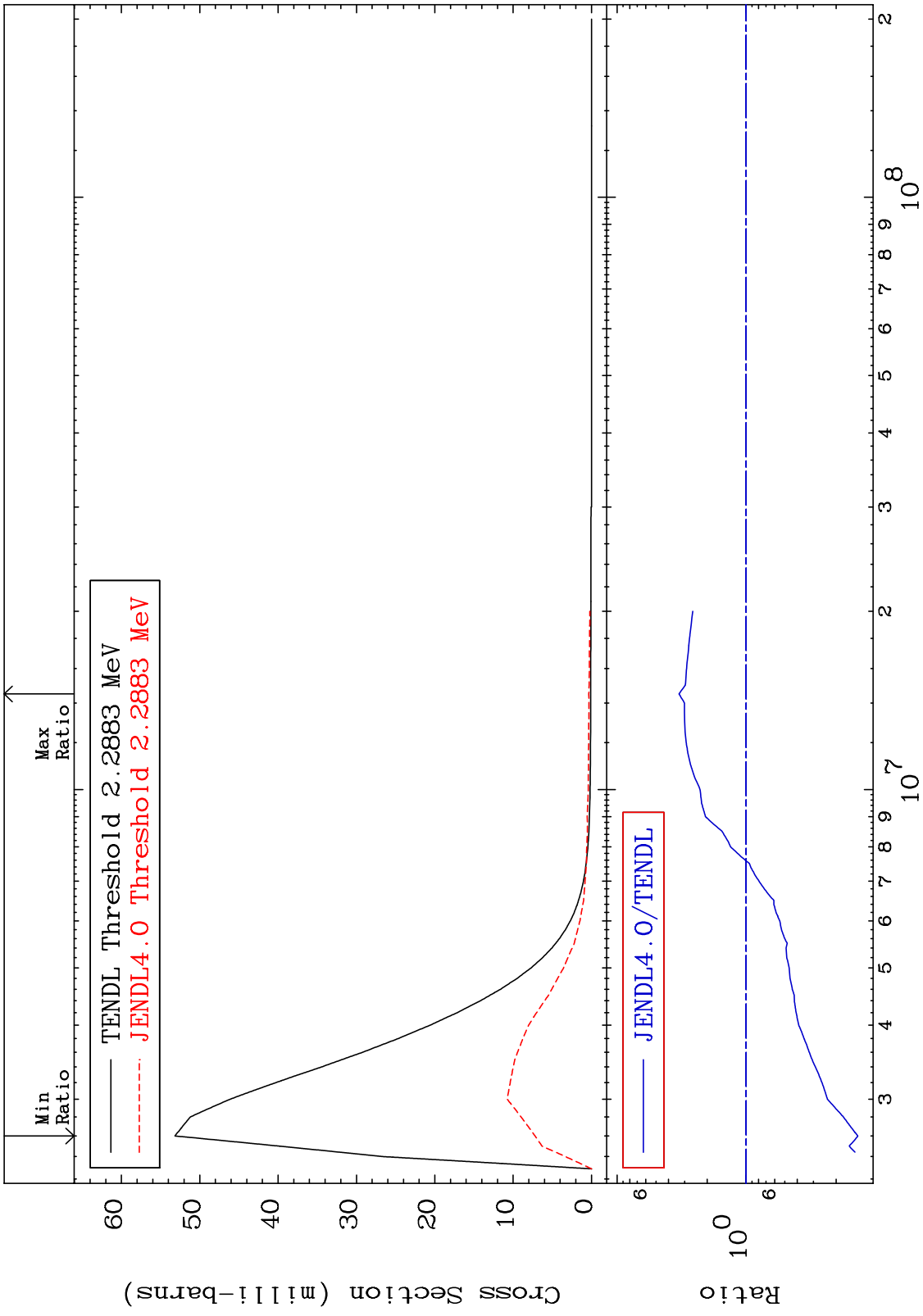
MAT 3834 MT= 61 (n,n') Level Cross Section 38-Sr-87  
 -56.62 To 21.60 %



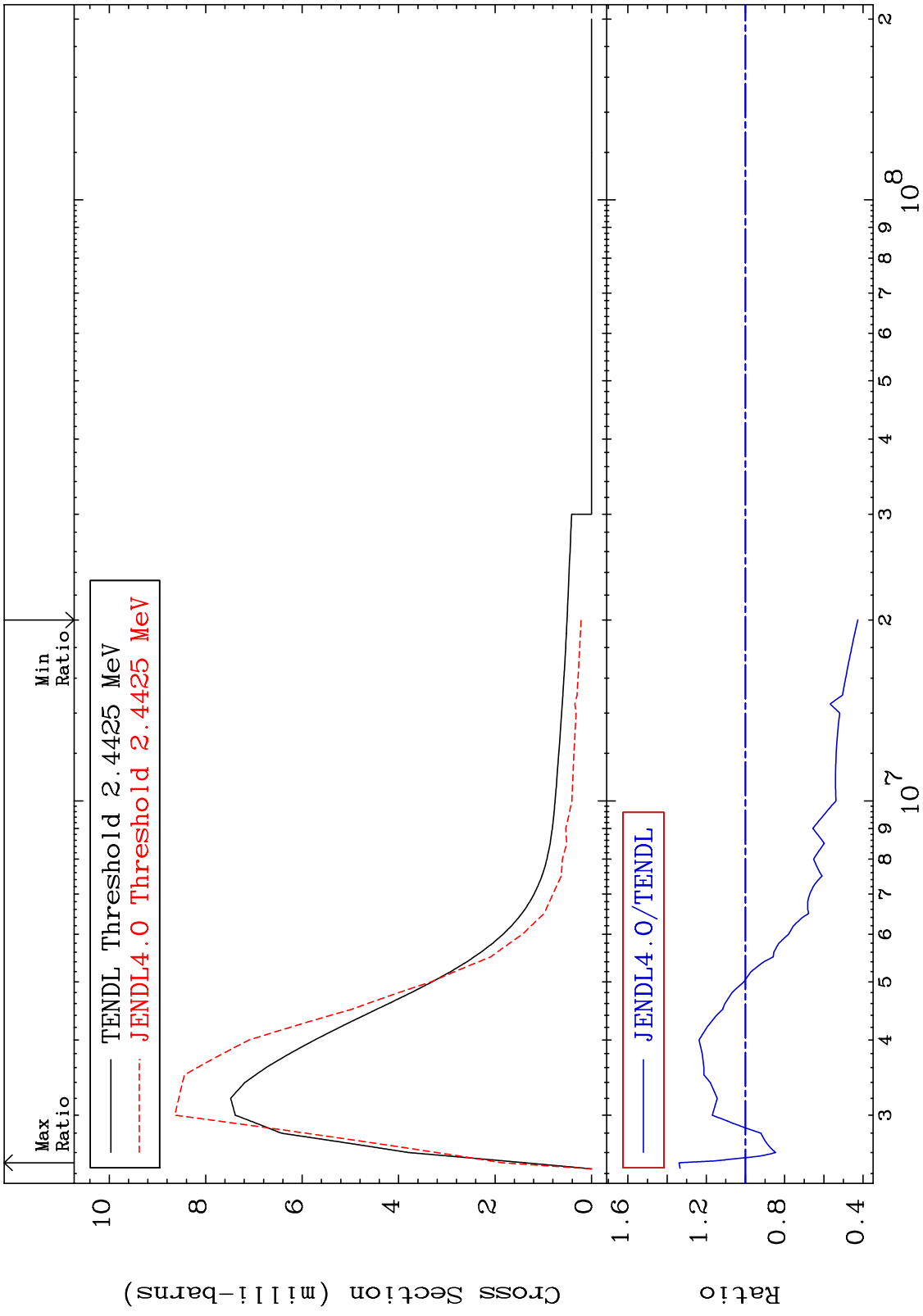
MAT 3834 MT= 62 (n,n') Level Cross Section 38-Sr-87 -92.01 To -29.84%



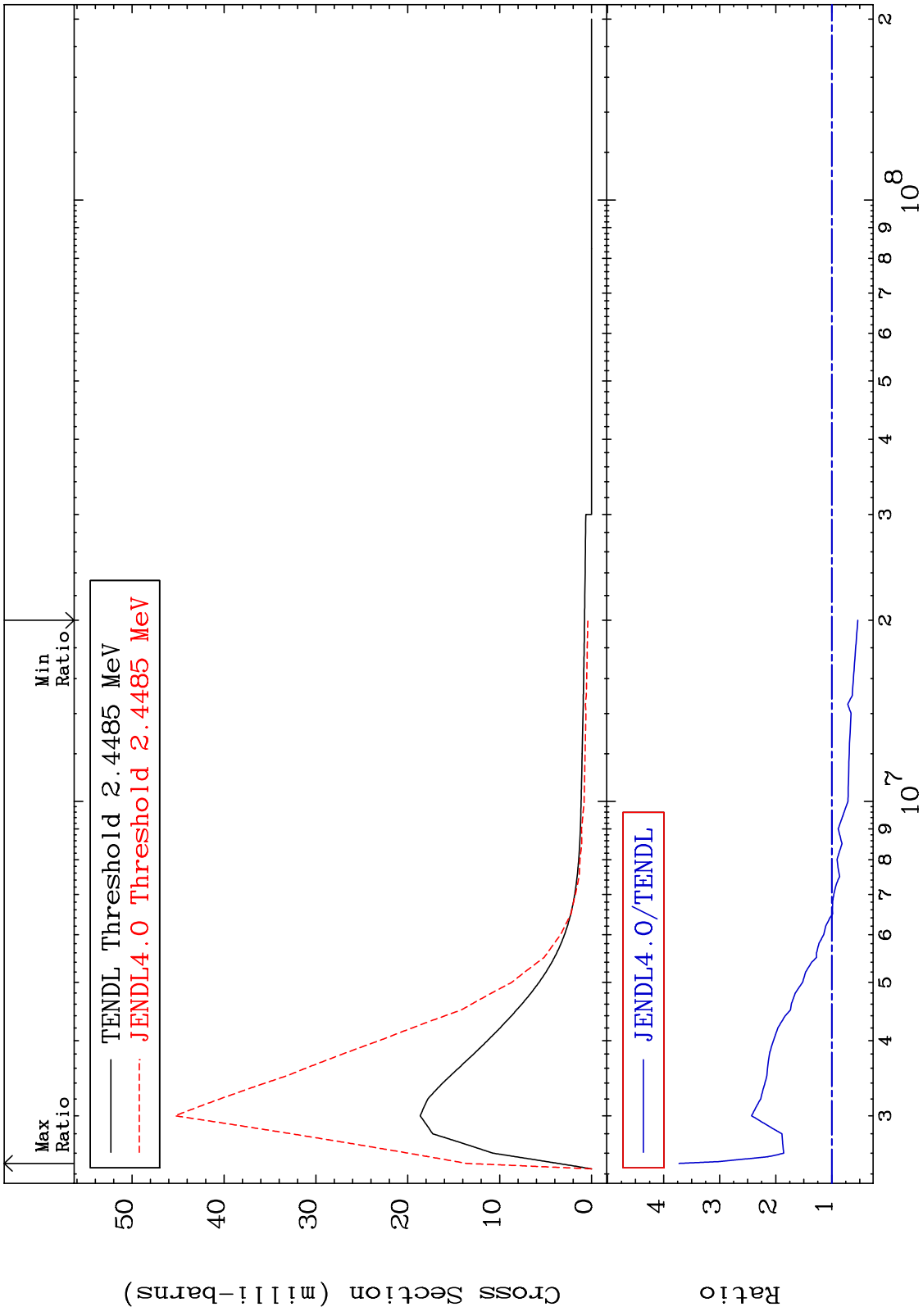
MAT 3834 MT= 63 (n,n') Level Cross Section 38-Sr-87  
 -86.43 To 231.2 %



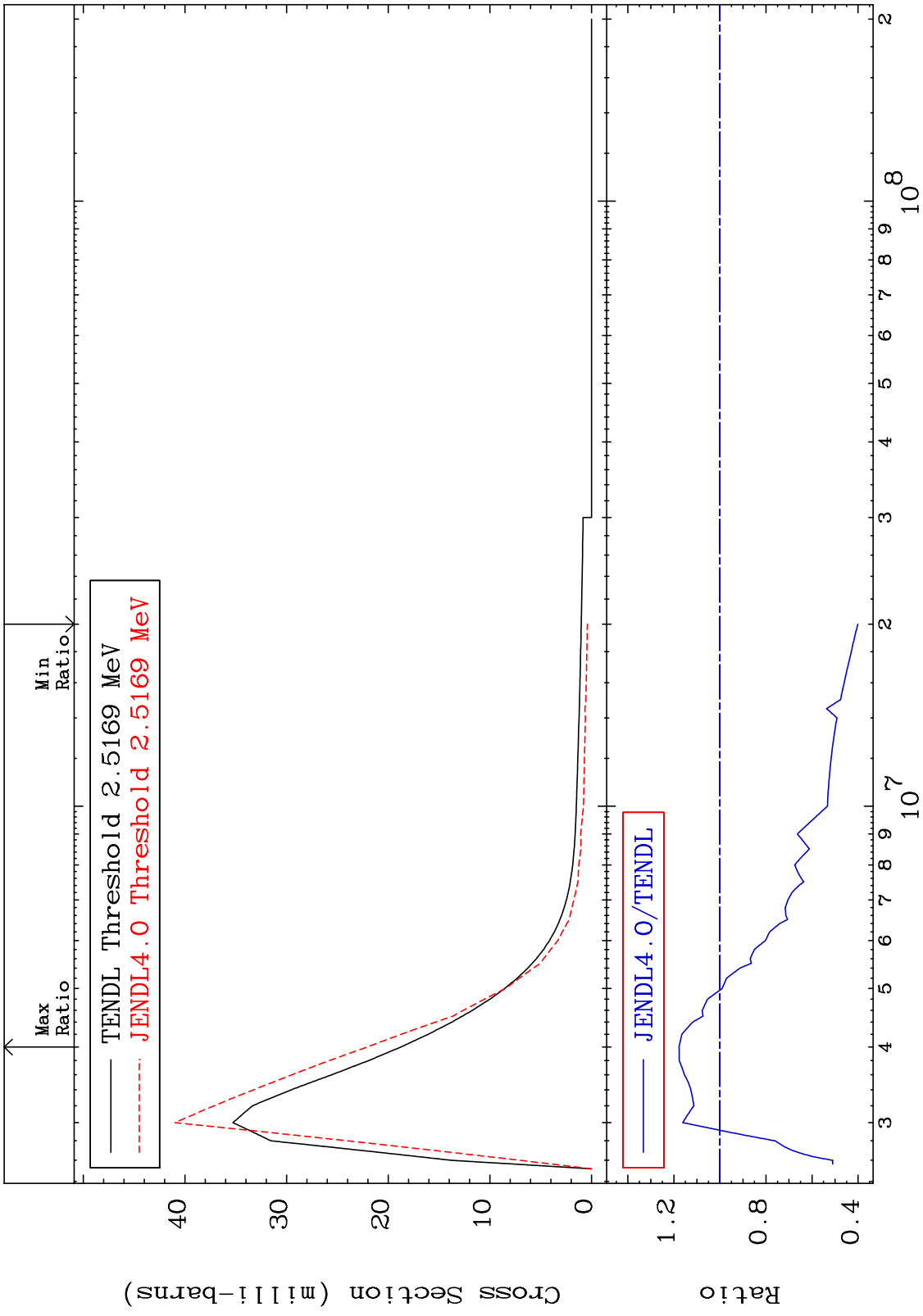
MAT 3834 MT= 64 (n,n') Level Cross Section -57.37 To 33.89 % 38-Sr-87



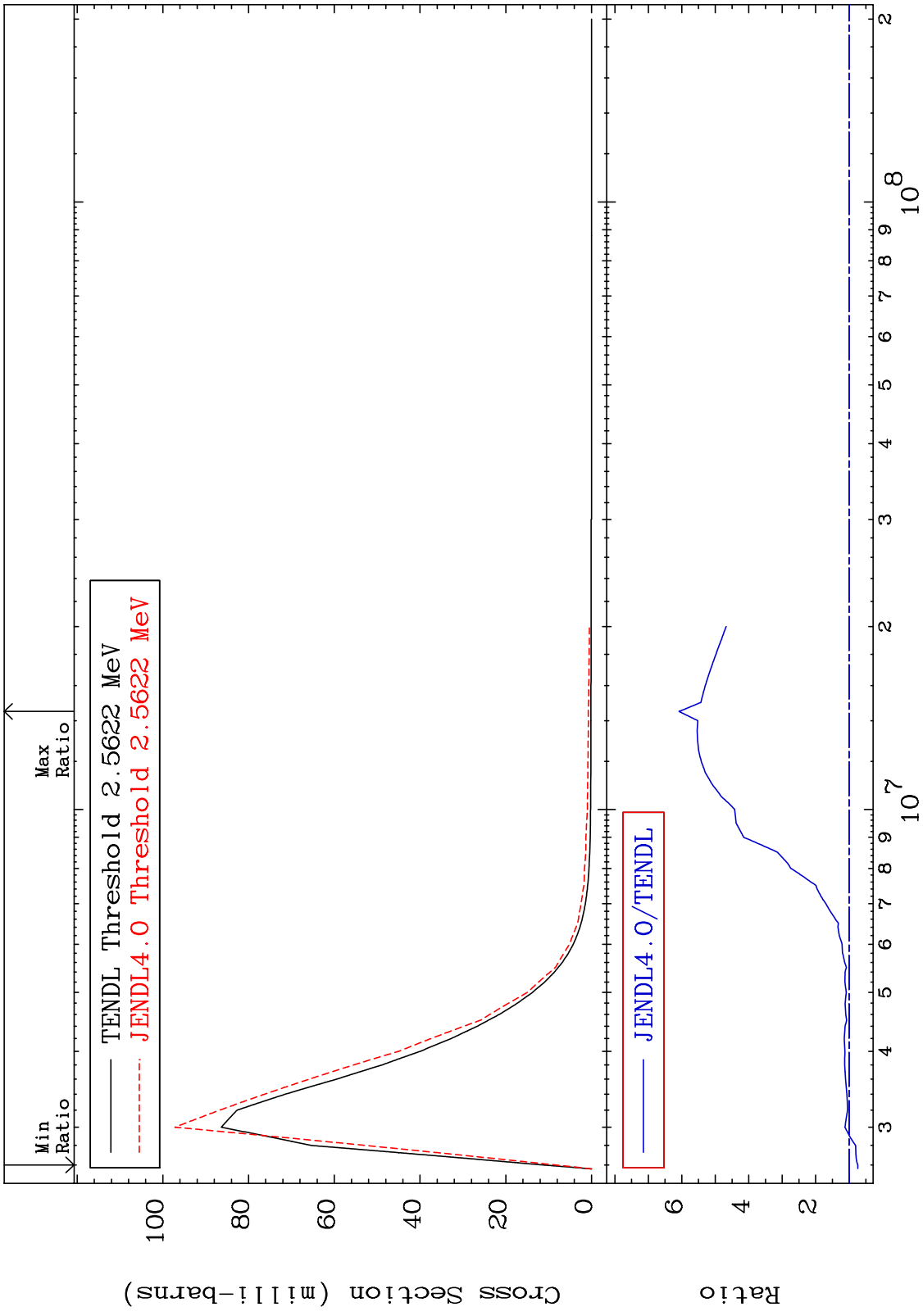
MAT 3834 MT= 65 (n,n') Level Cross Section -46.47 To 272.5 % 38-Sr-87



MAT 3834 MT= 66 (n,n') Level Cross Section 38-Sr-87  
 -59.88 To 17.75 %



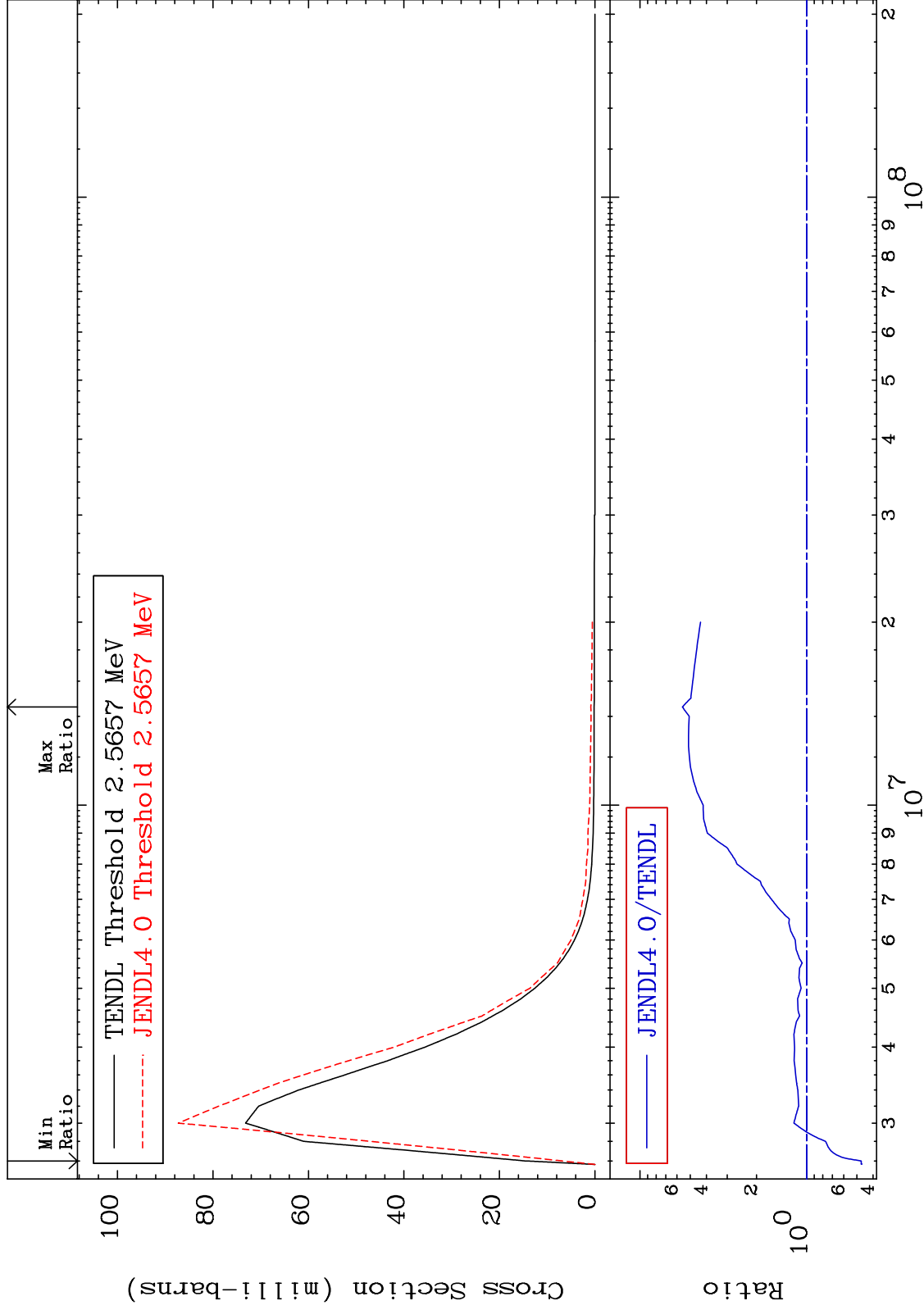
MAT 3834 MT= 67 (n,n') Level Cross Section 38-Sr-87  
 -26.00 To 508.2 %



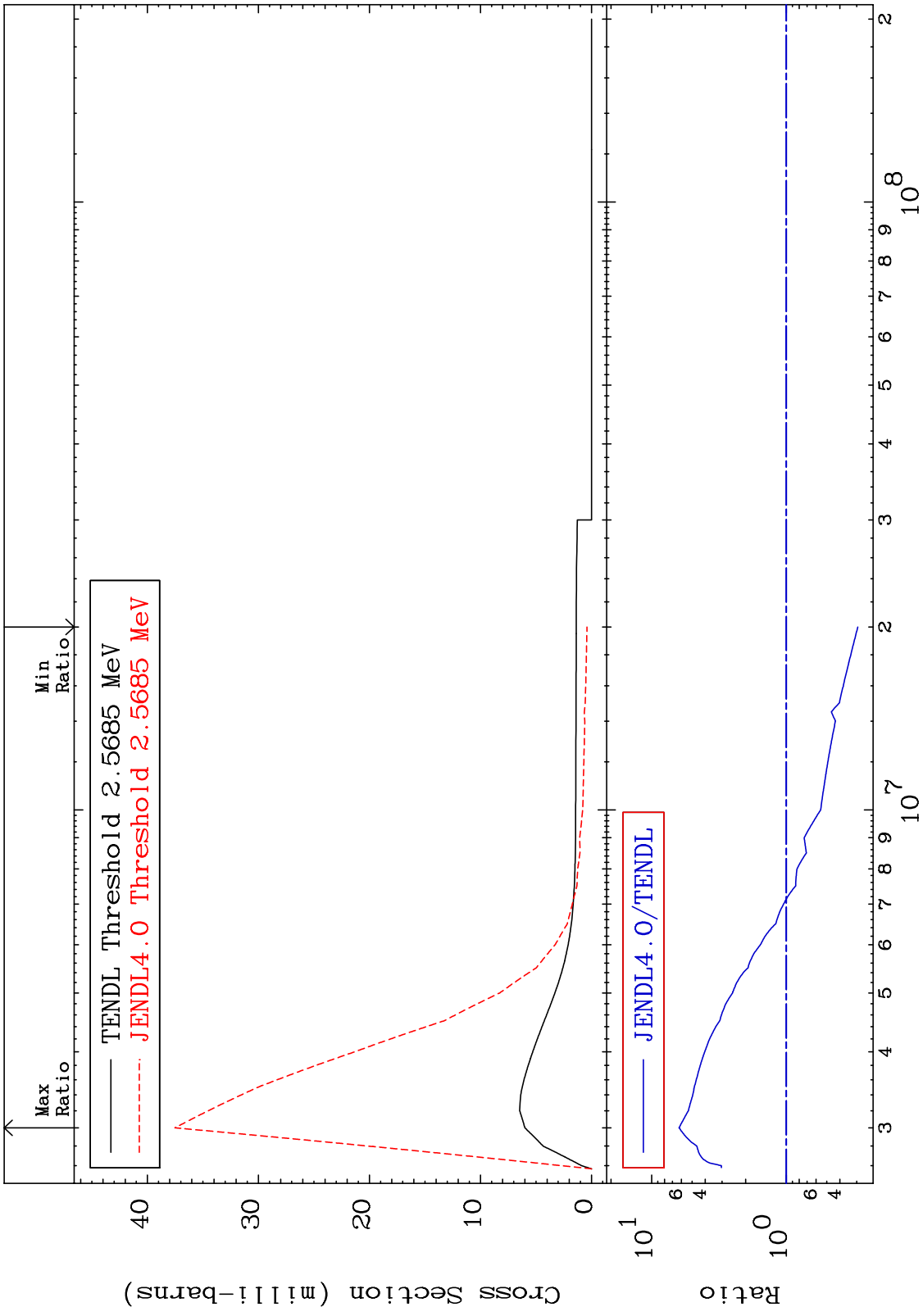
MAT 3834

MT= 68 (n,n') Level  
Cross Section

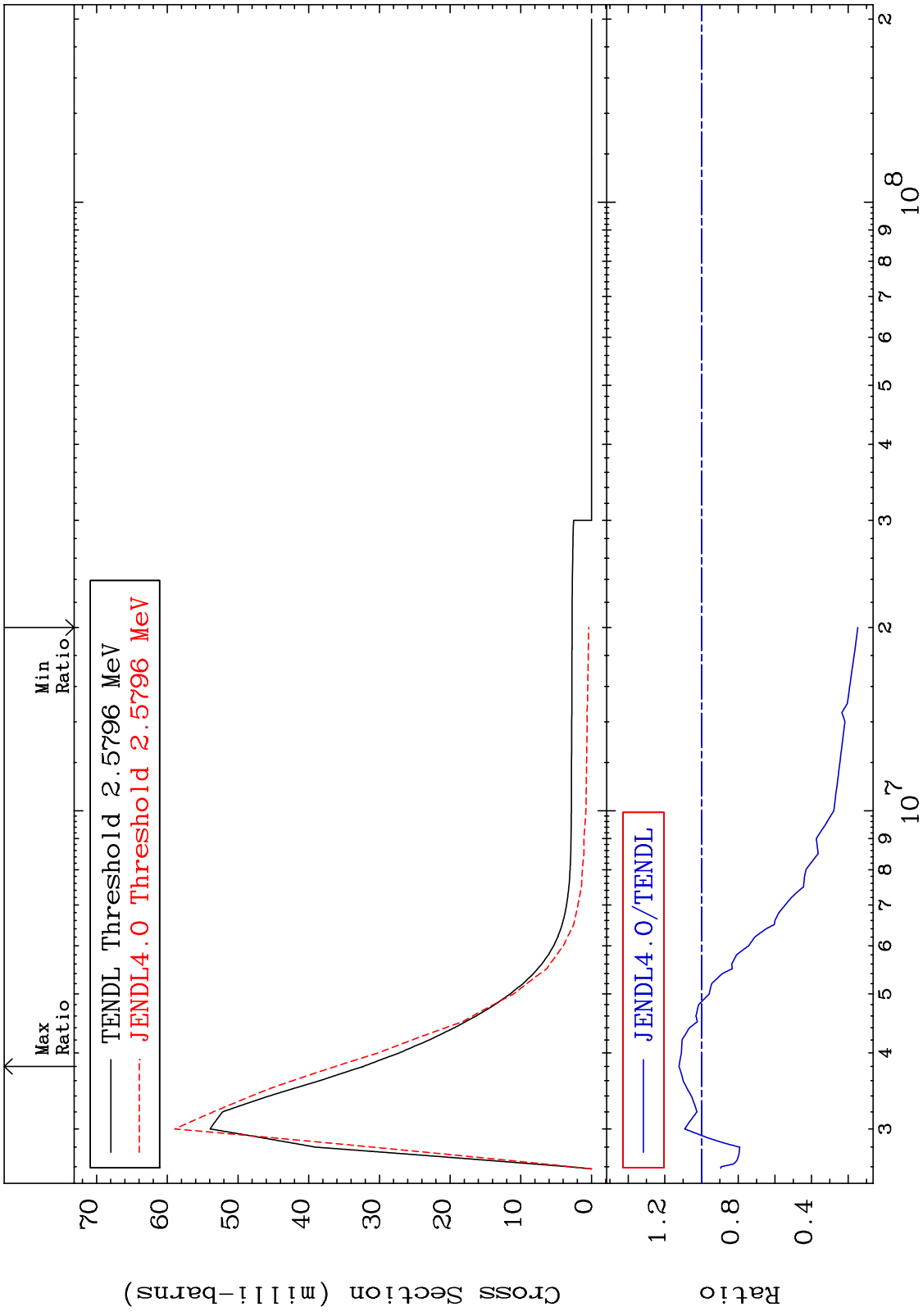
38-Sr-87  
-52.98 To 456.4 %



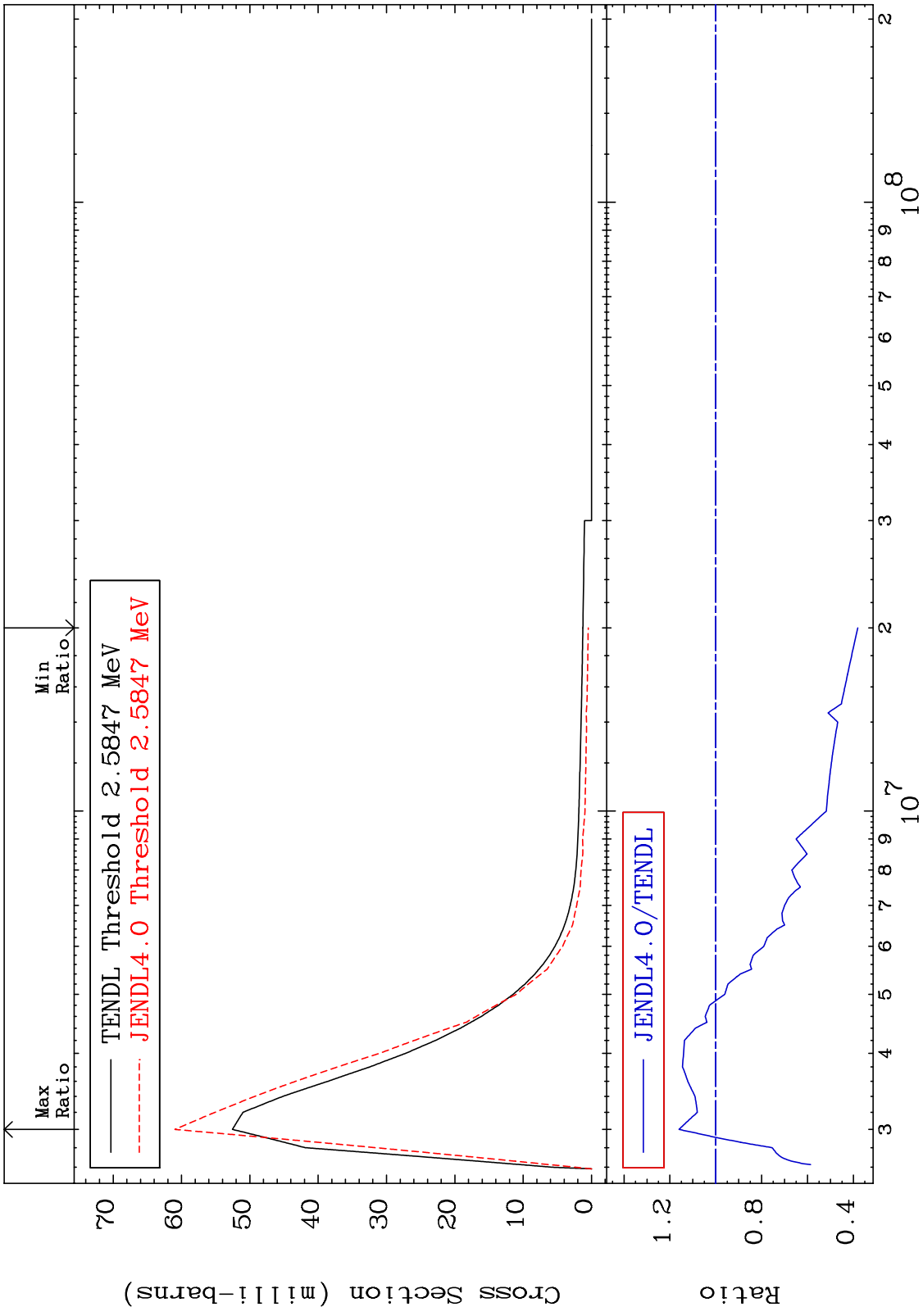
MAT 3834 MT= 69 (n,n') Level Cross Section 38-Sr-87  
 -70.60 To 525.4 %



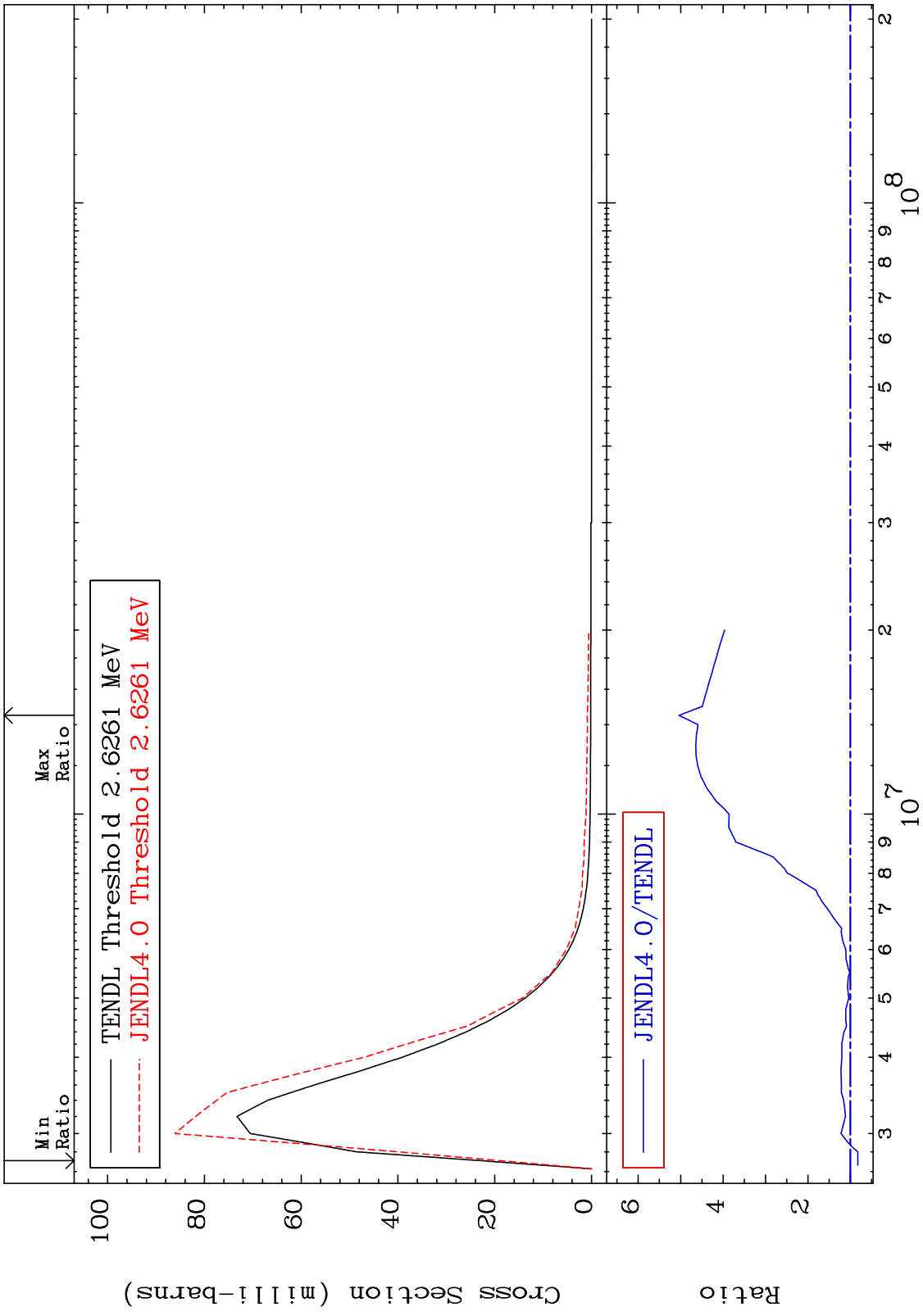
MAT 3834 MT= 70 (n,n') Level Cross Section 38-Sr-87  
 -85.25 To 12.25 %



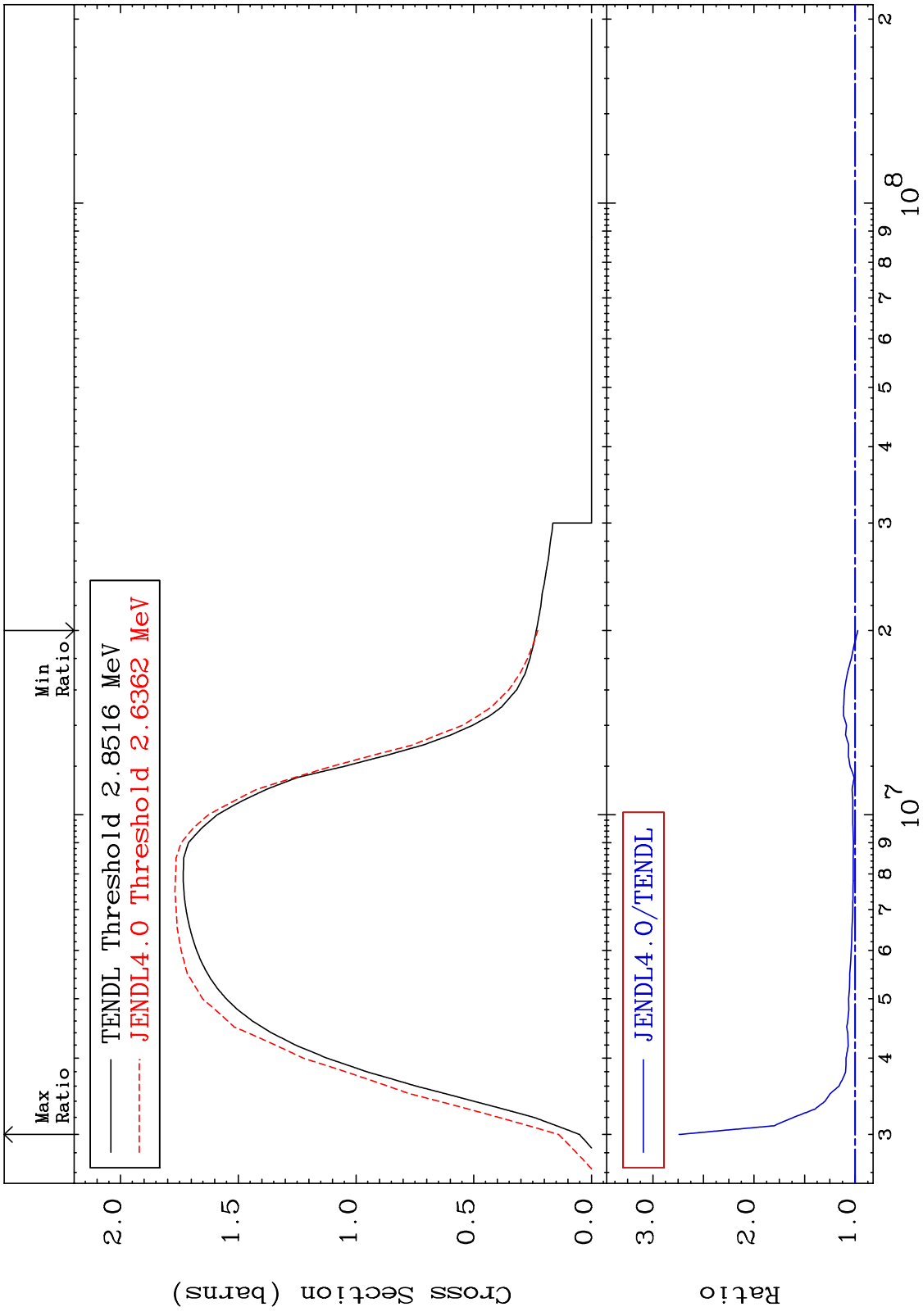
MAT 3834 MT= 71 (n,n') Level Cross Section 38-Sr-87  
 -61.92 To 16.01 %



MAT 3834 MT= 72 (n,n') Level Cross Section 38-Sr-87  
 -17.58 To 403.7 %



MAT 3834 (n,n') Continuum Cross Section 38-Sr-87 -2.661 To 174.1 %



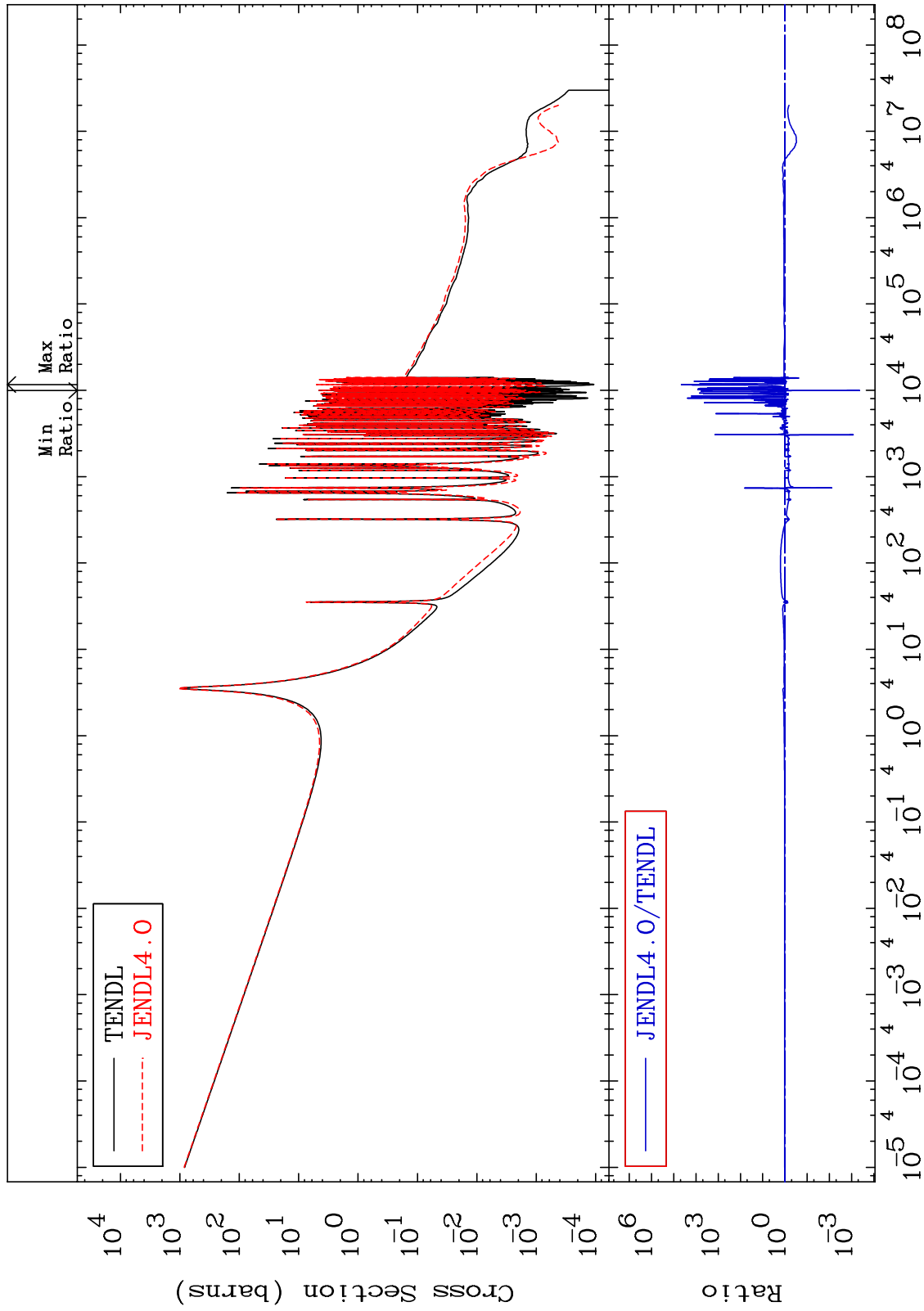
MAT 3834

(n,  $\gamma$ )

38-Sr-87

Cross Section

-99.96 To 9999. %



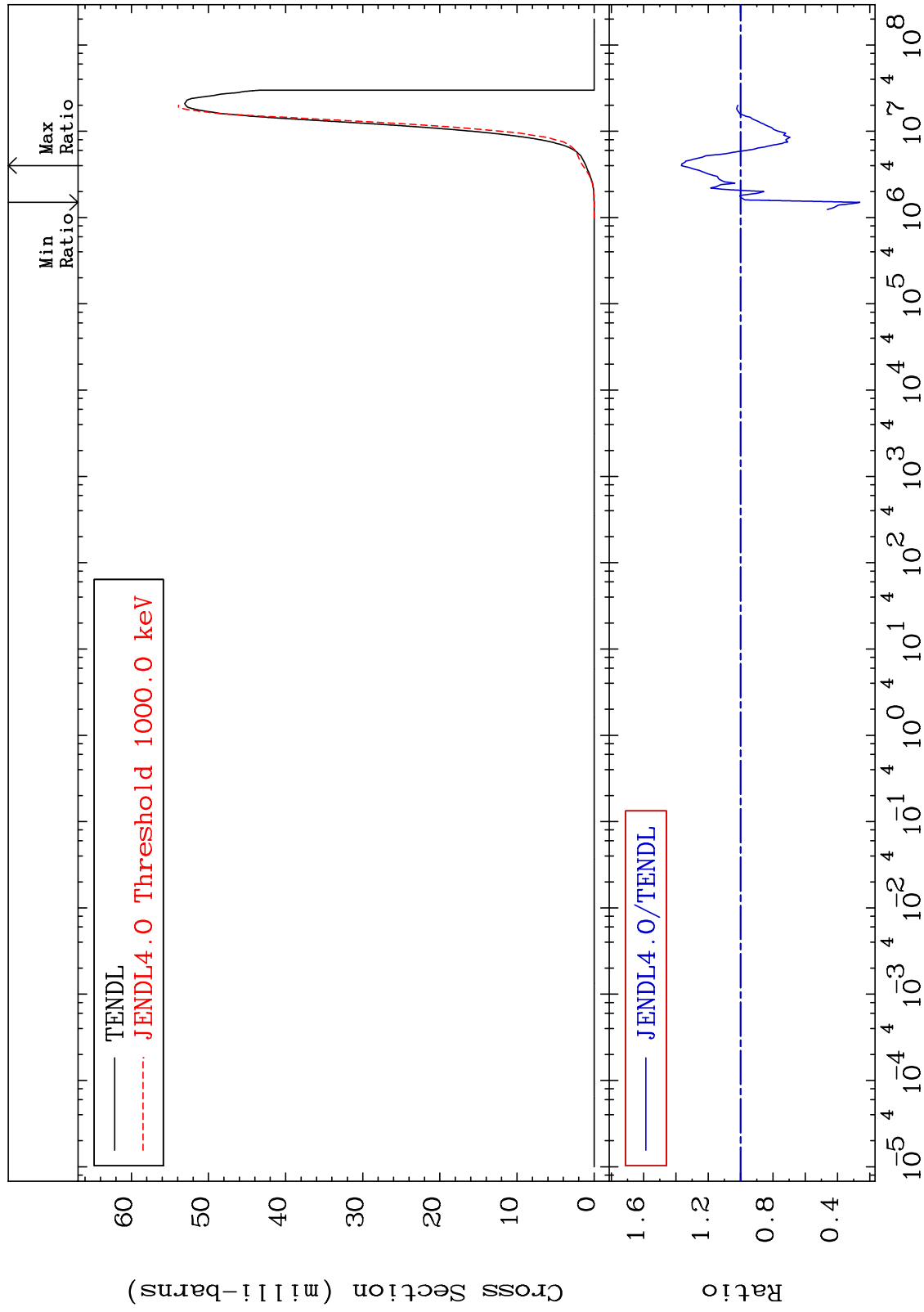
MAT 3834

(n,p)

38-Sr-87

Cross Section

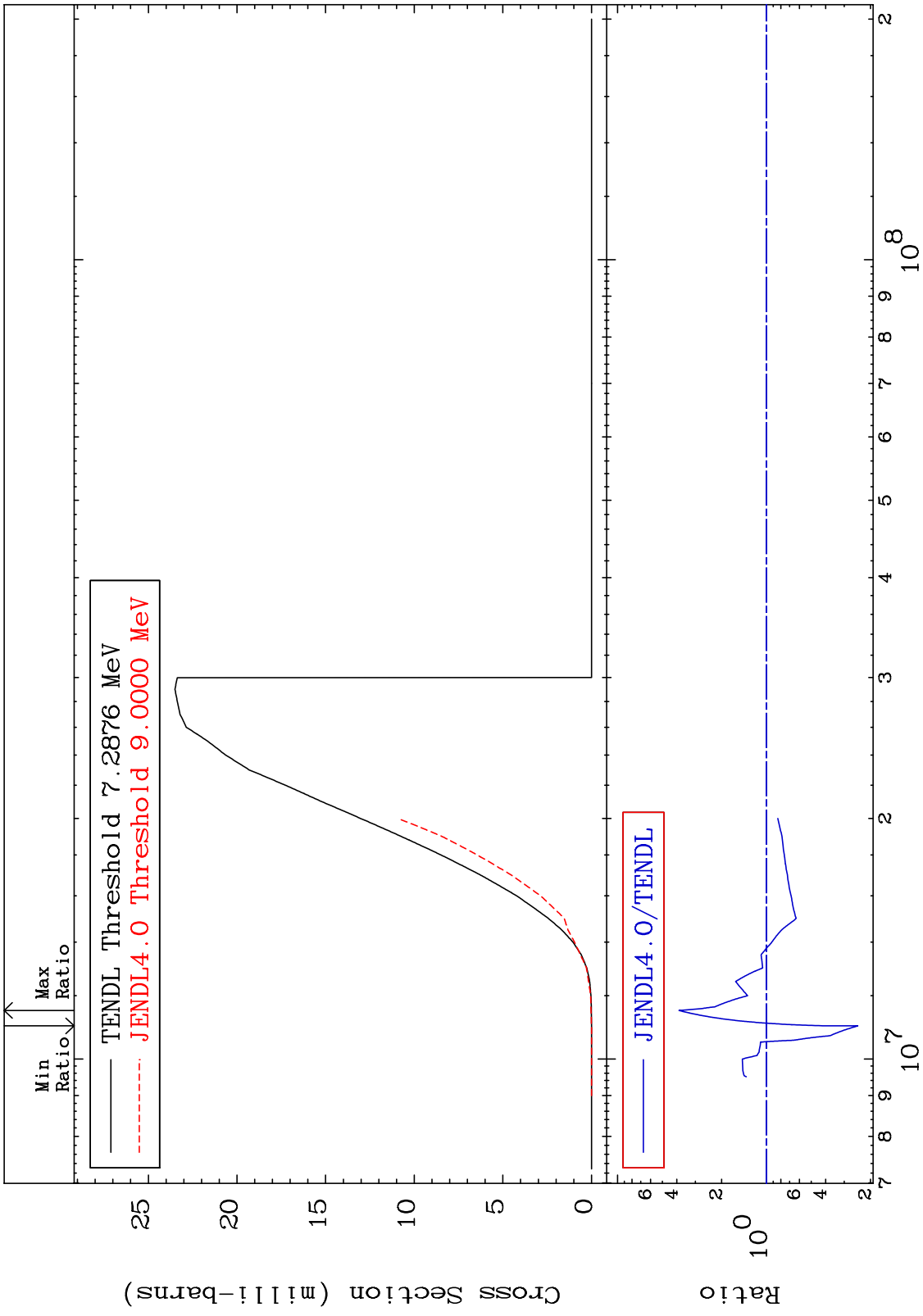
-73.79 To 36.59 %



32

Incident Energy (eV)

38-Sr-87



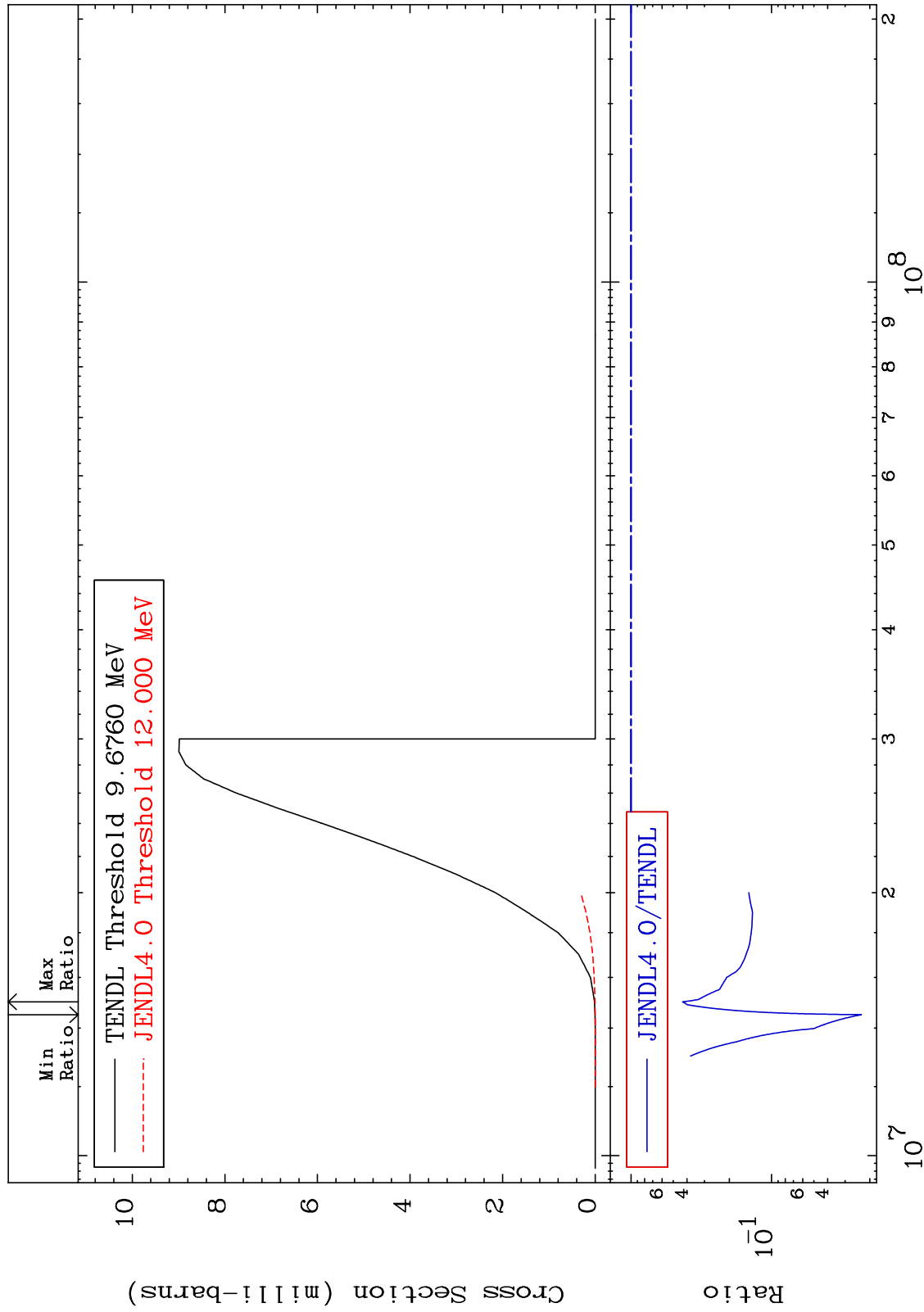
MAT 3834

(n,t)

38-Sr-87

Cross Section

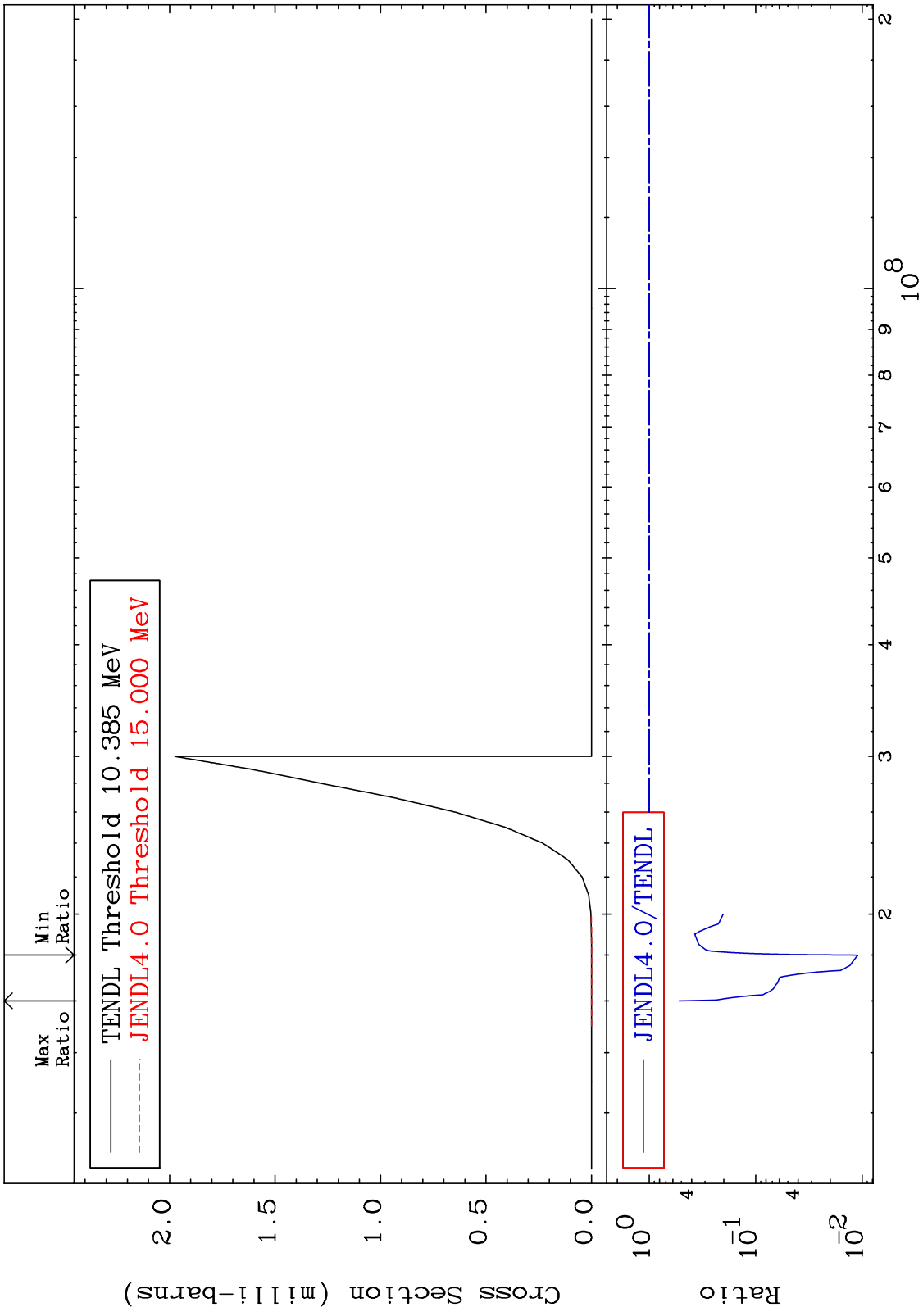
-97.70 To -57.11%



34

Incident Energy (eV)

38-Sr-87

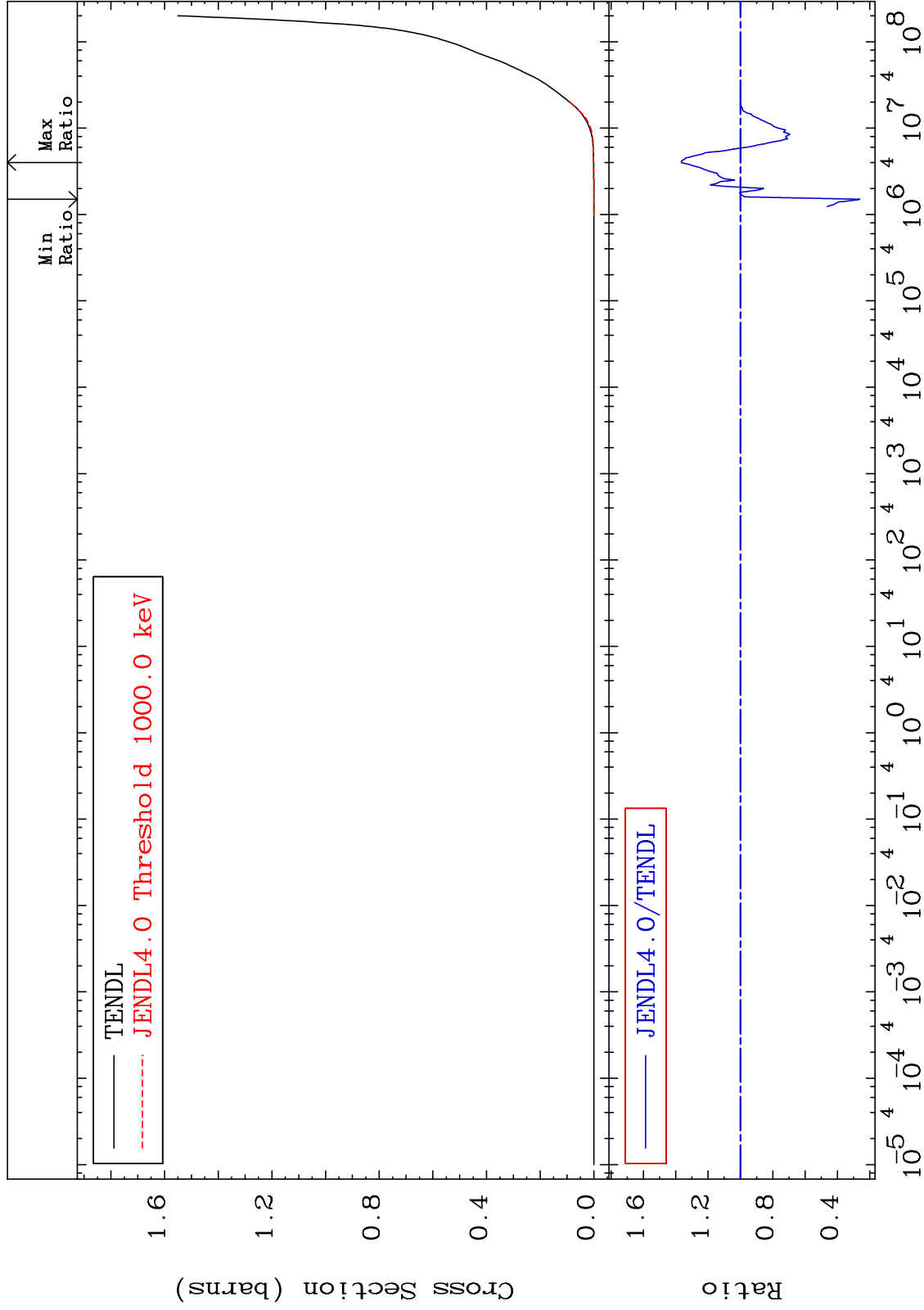




MAT 3834

### Hydrogen Production Cross Section

38-Sr-87  
-73.79 To 36.59 %



37

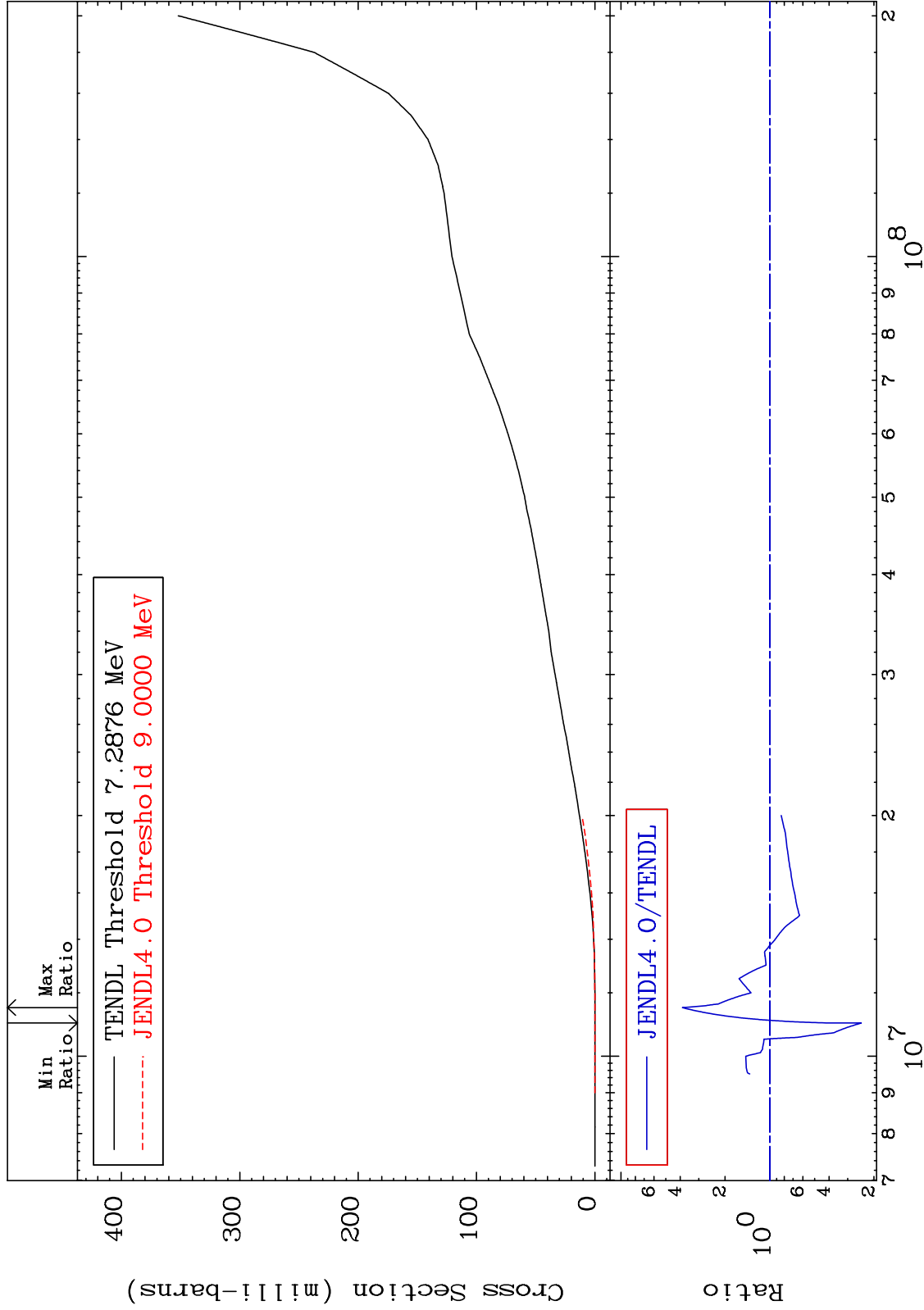
Incident Energy (eV)

38-Sr-87

MAT 3834

Deuterium Production  
Cross Section

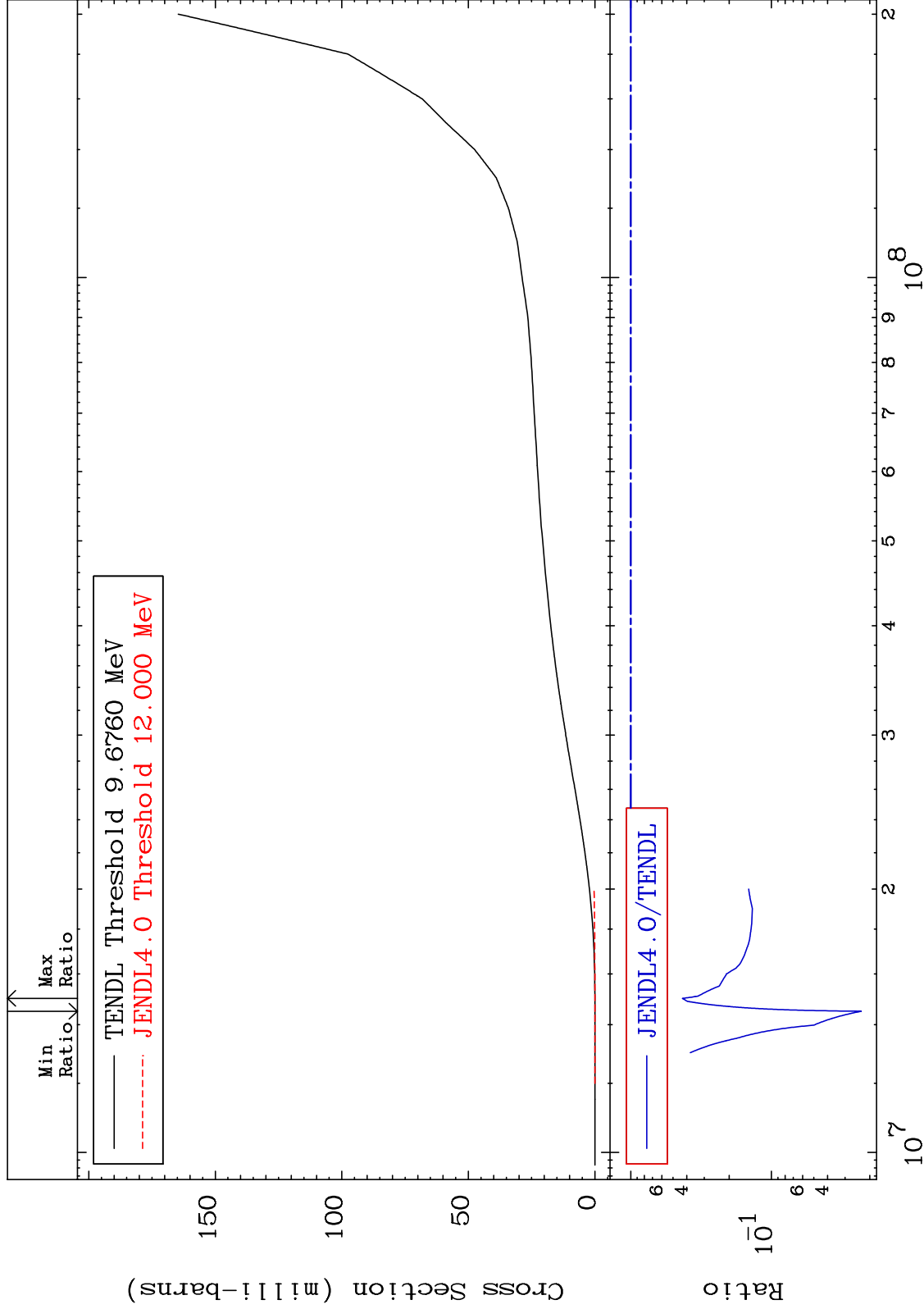
38-Sr-87  
-75.69 To 286.4 %



MAT 3834

Tritium Production  
Cross Section

<sup>38</sup>Sr-87  
-97.70 To -57.11%



39

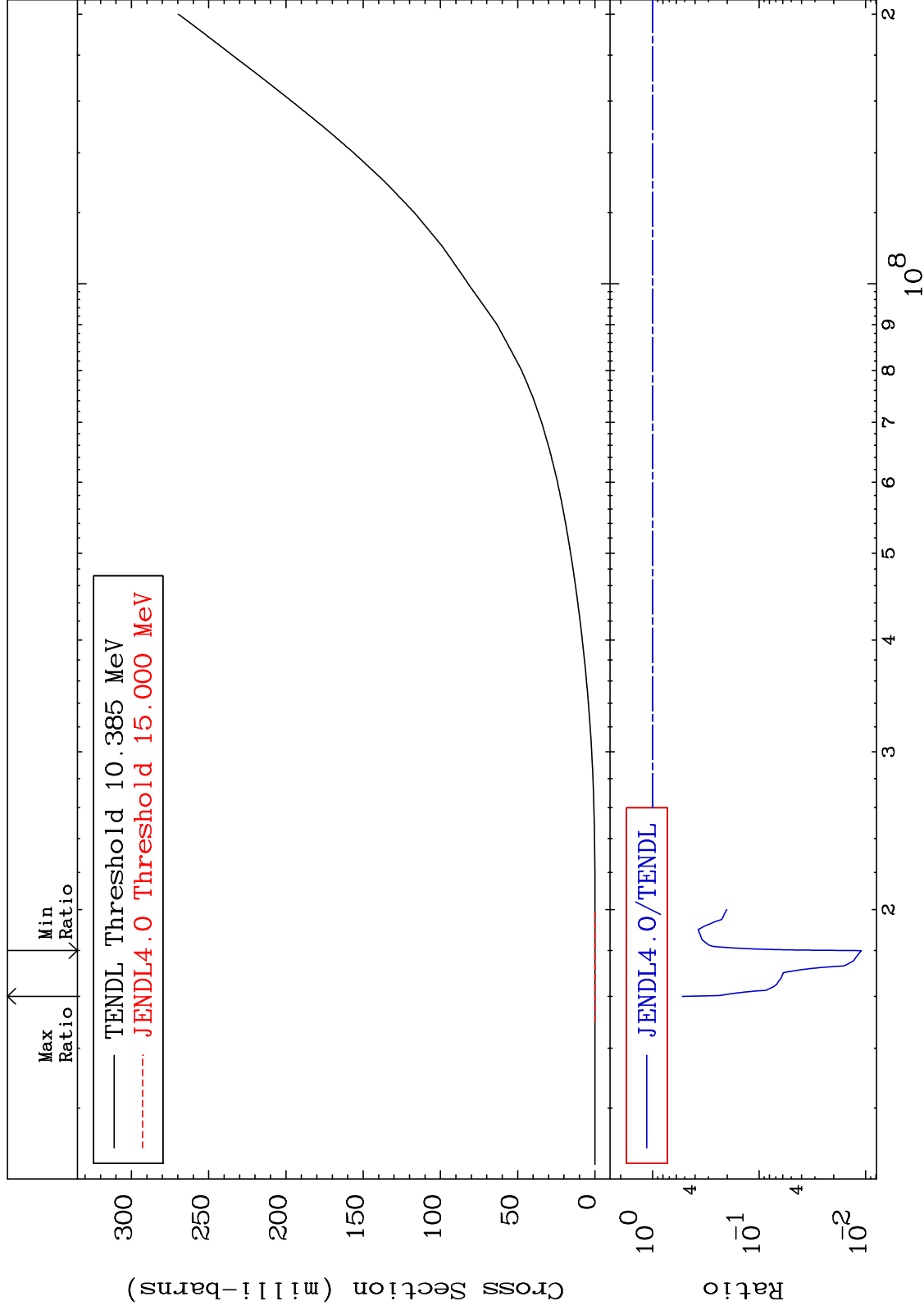
Incident Energy (eV)

<sup>38</sup>Sr-87

MAT 3834

He-3 Production  
Cross Section

38-Sr-87  
-98.90 To -47.45%



40

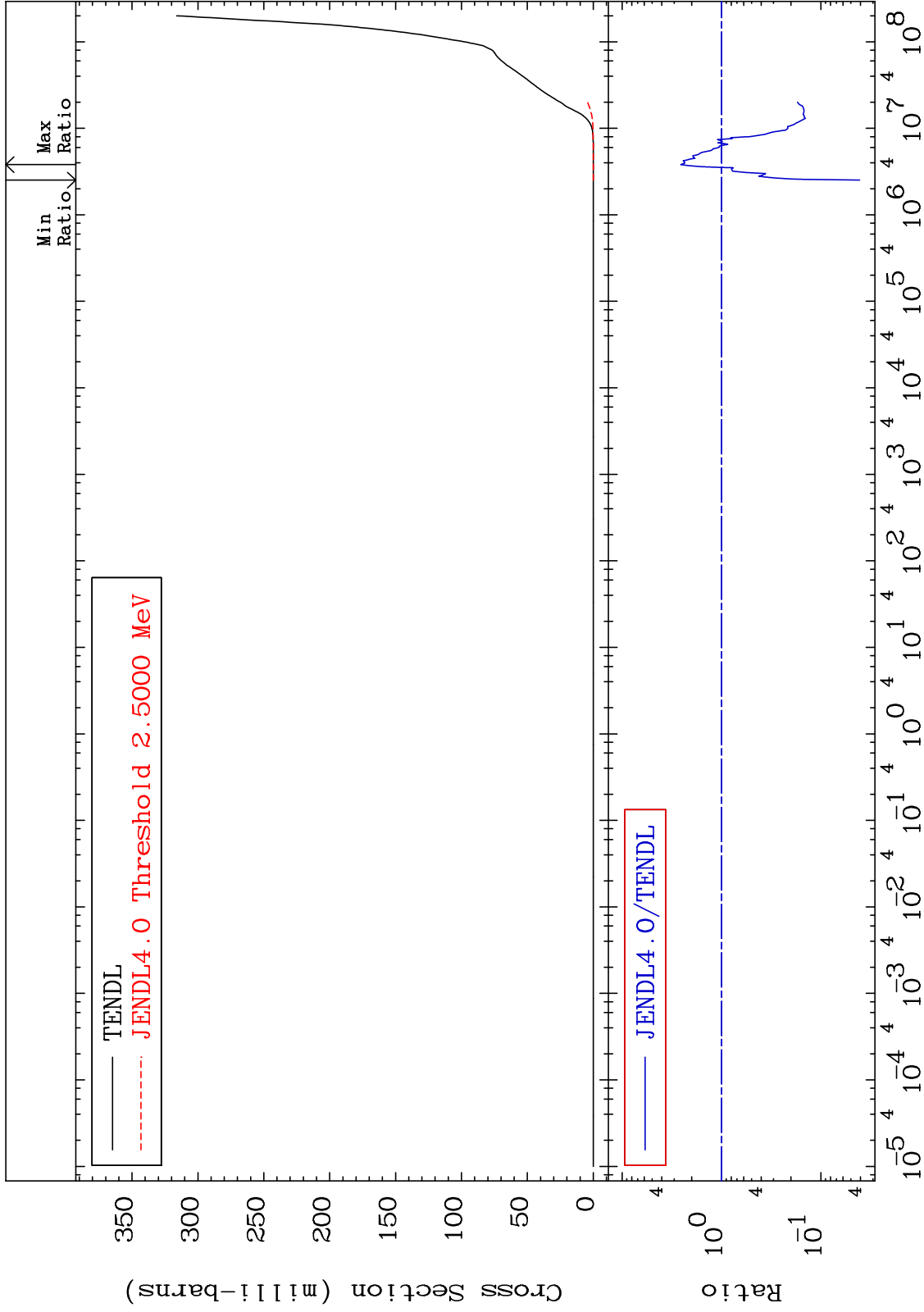
Incident Energy (eV)

38-Sr-87

MAT 3834

He-4 Production  
Cross Section

38-Sr-87  
-95.92 To 157.3 %

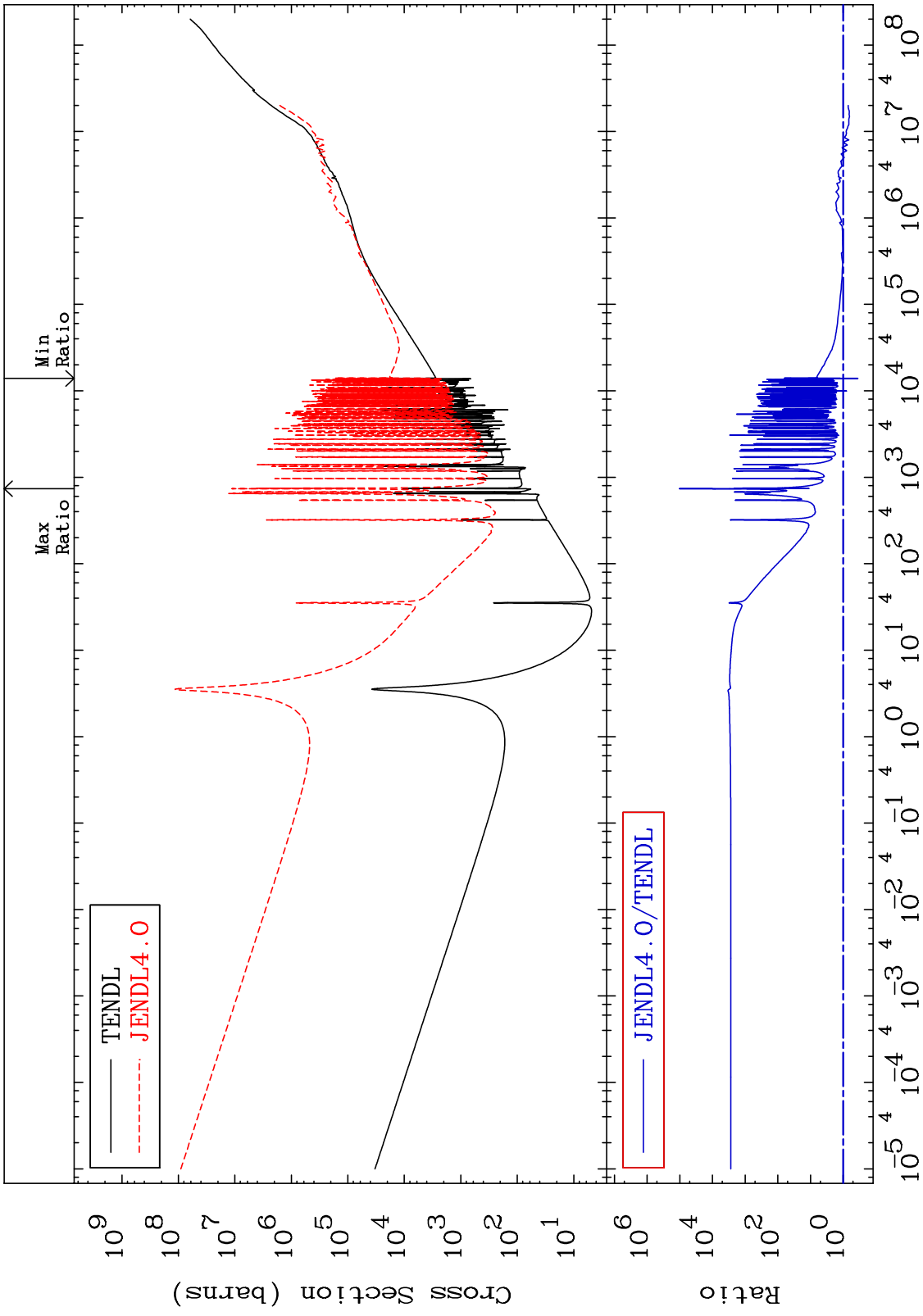


41

Incident Energy (eV)

38-Sr-87

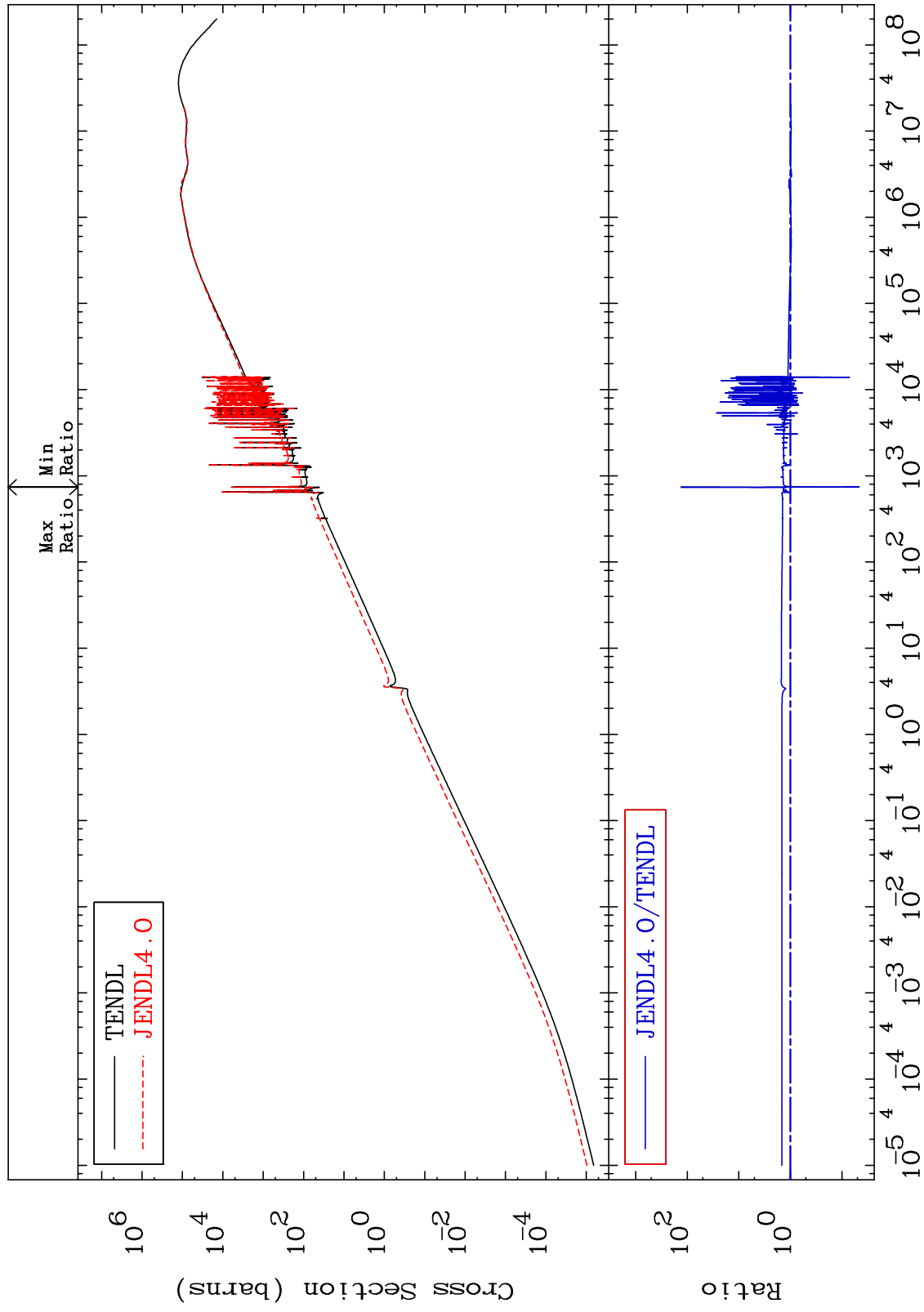
MAT 3834 Kerma total (eV-barns) 38-Sr-87  
 Cross Section -64.39 To 9999. %



MAT 3834

Kerma elastic  
Cross Section

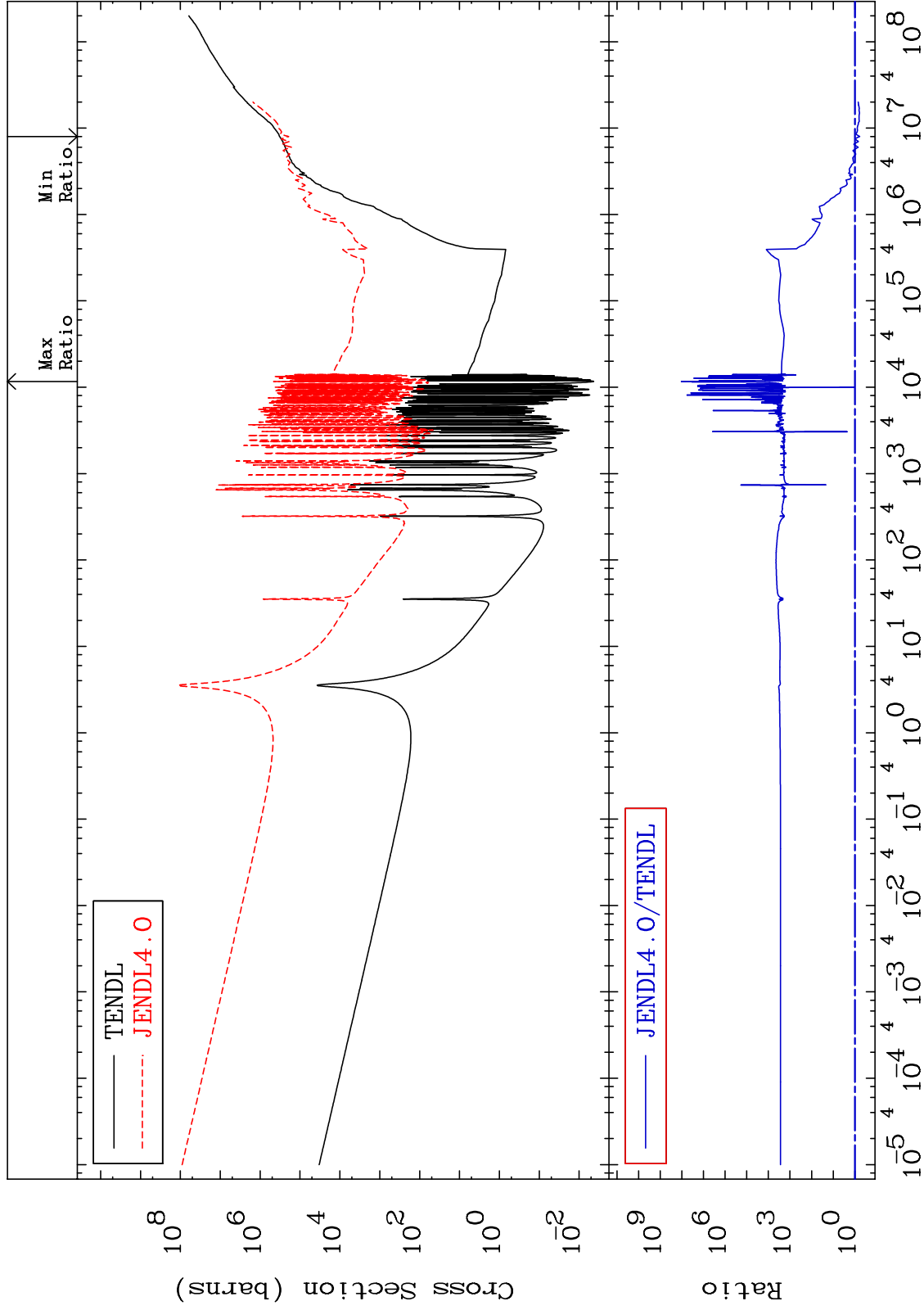
38-Sr-87  
-95.33 To 9999. %



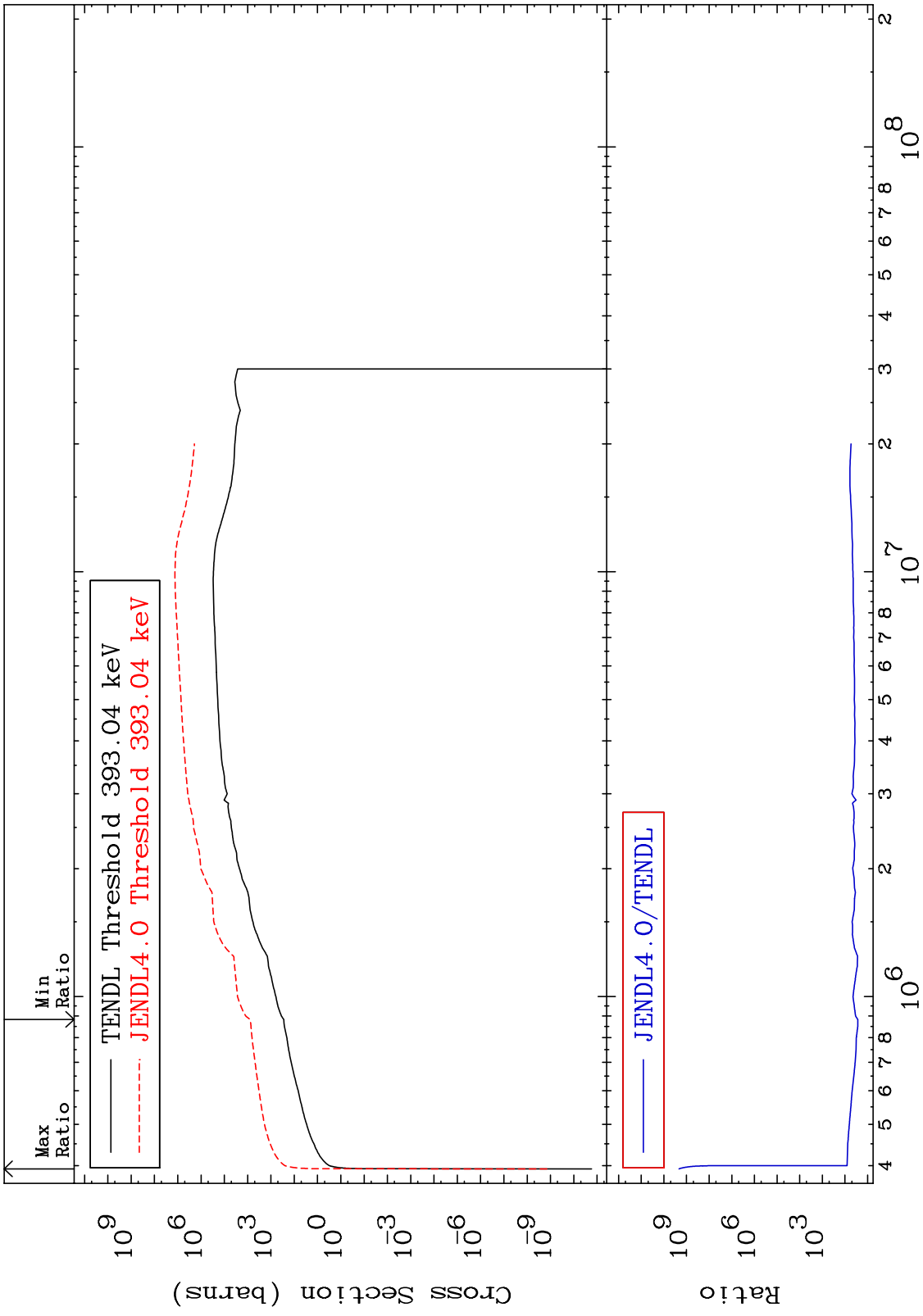
MAT 3834

Kerma non-elastic (all but mt2)  
Cross Section

38-Sr-87  
-40.56 To 9999. %



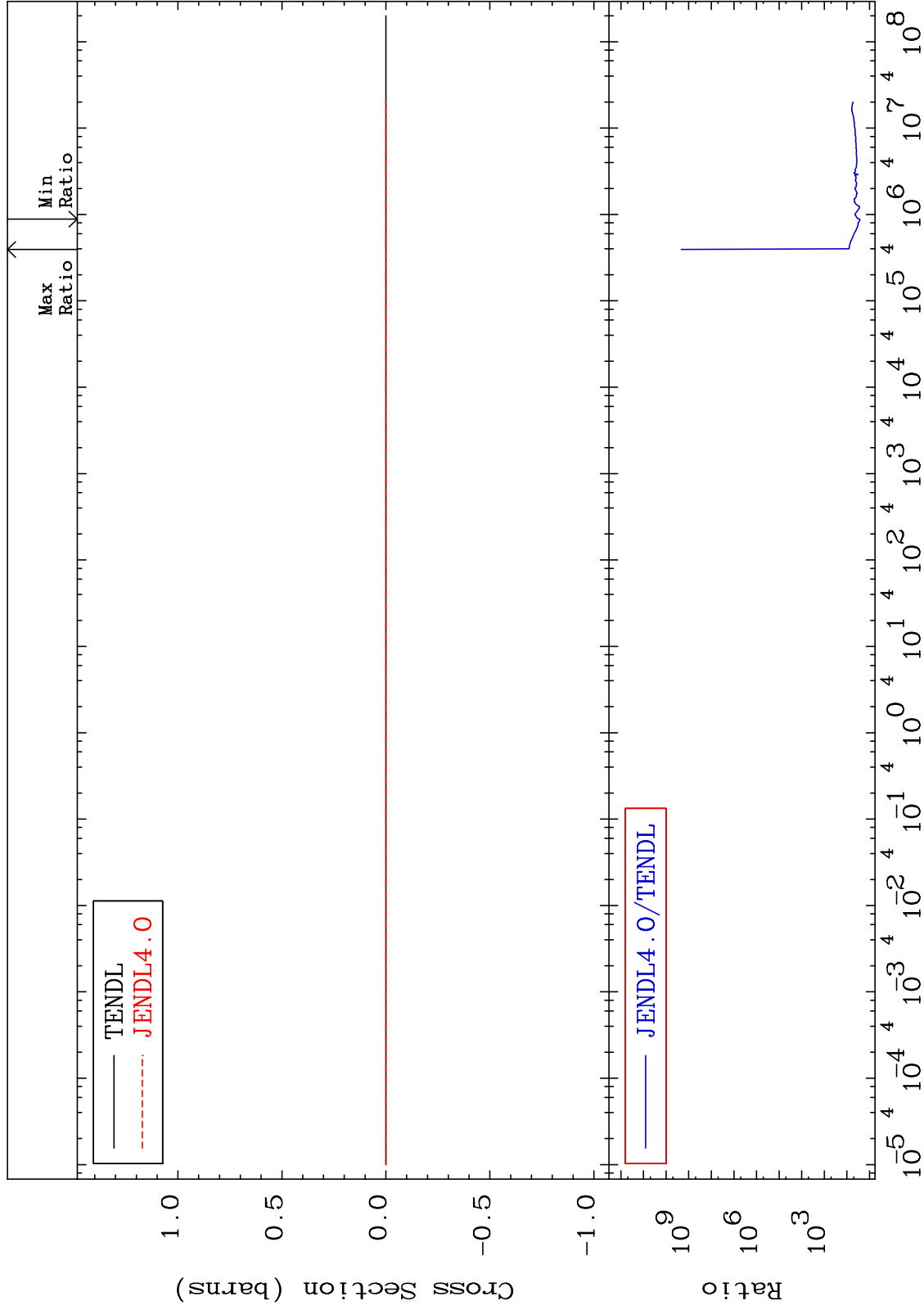
MAT 3834 Kerma inelastic (mt51-91) 38-Sr-87  
 Cross Section 2607. To 9999. %



MAT 3834

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

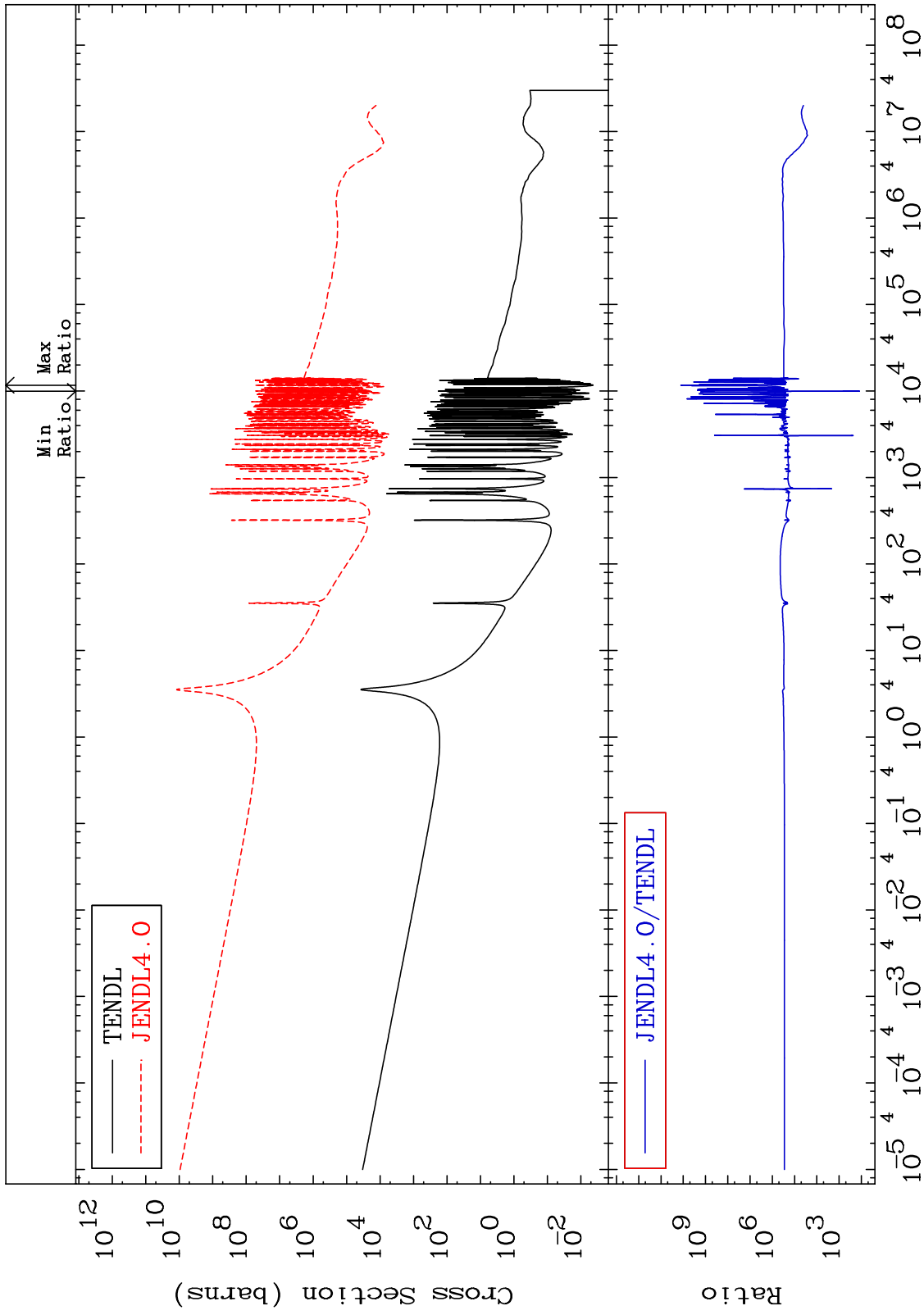
38-Sr-87  
2607. To 9999. %



MAT 3834

Kerma capture (mt102)  
Cross Section

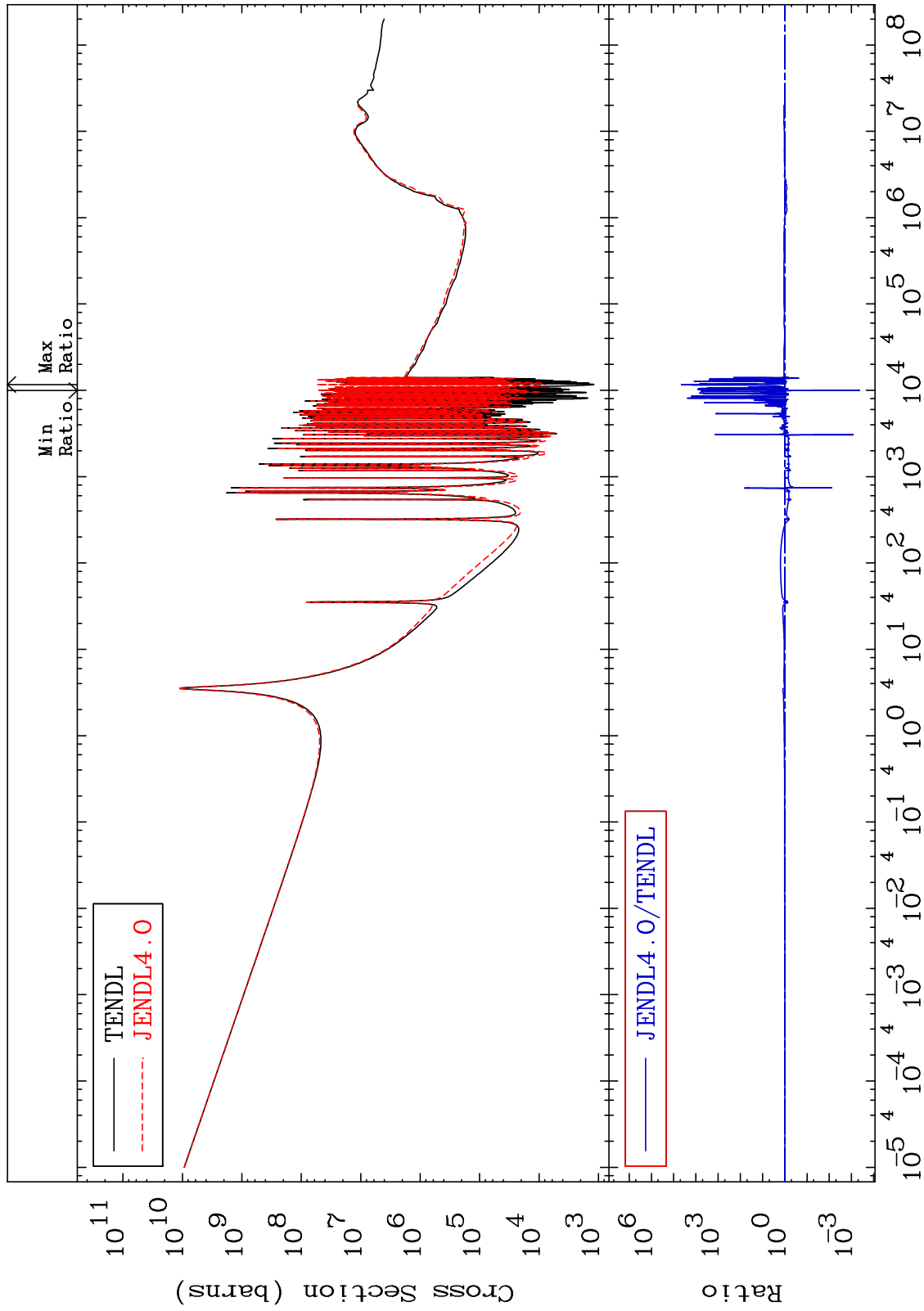
38-Sr-87  
9999. To 9999. %



MAT 3834

Total photon (eV-barns)  
Cross Section

38-Sr-87  
-99.96 To 9999. %

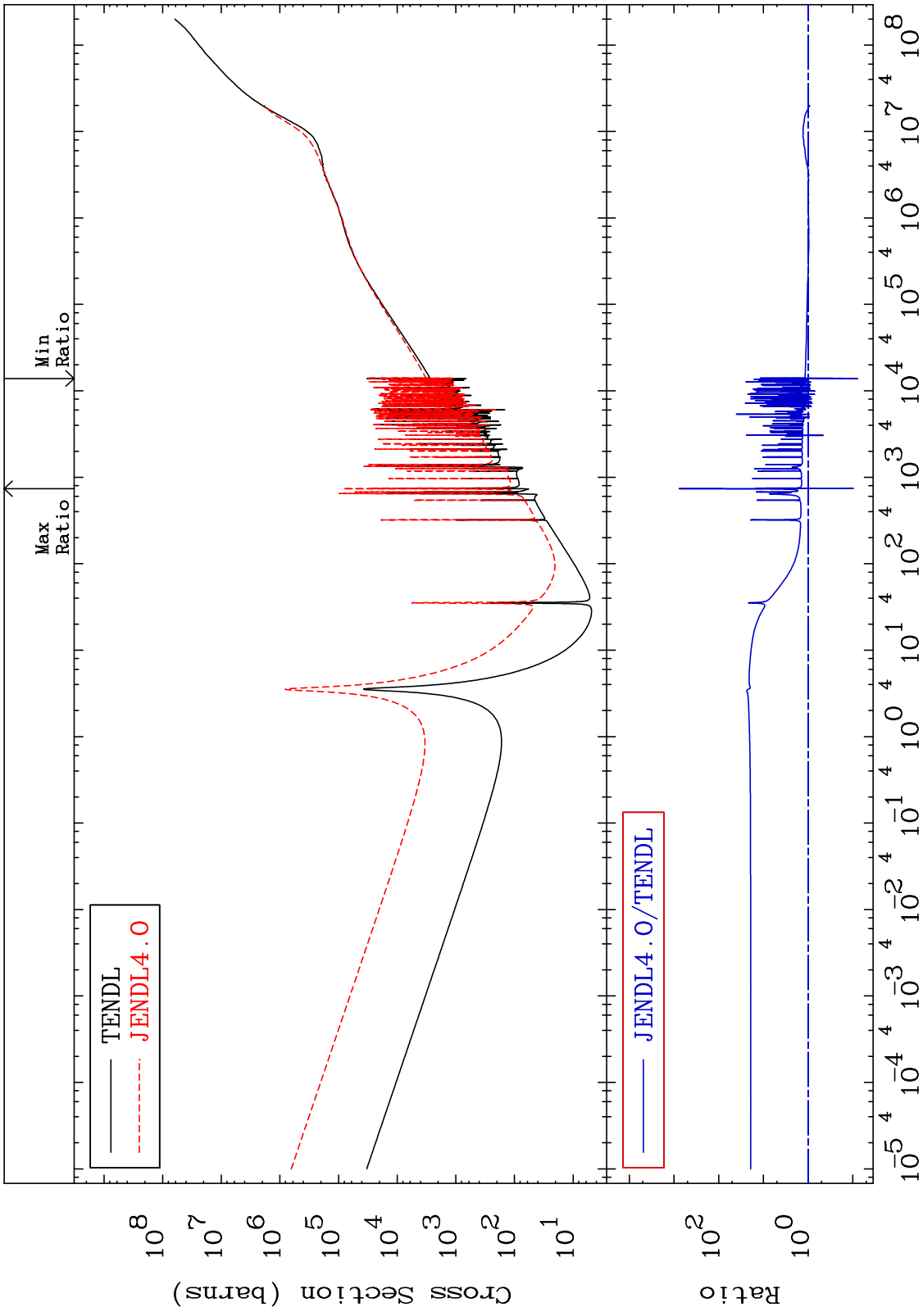


48

Incident Energy (eV)

38-Sr-87

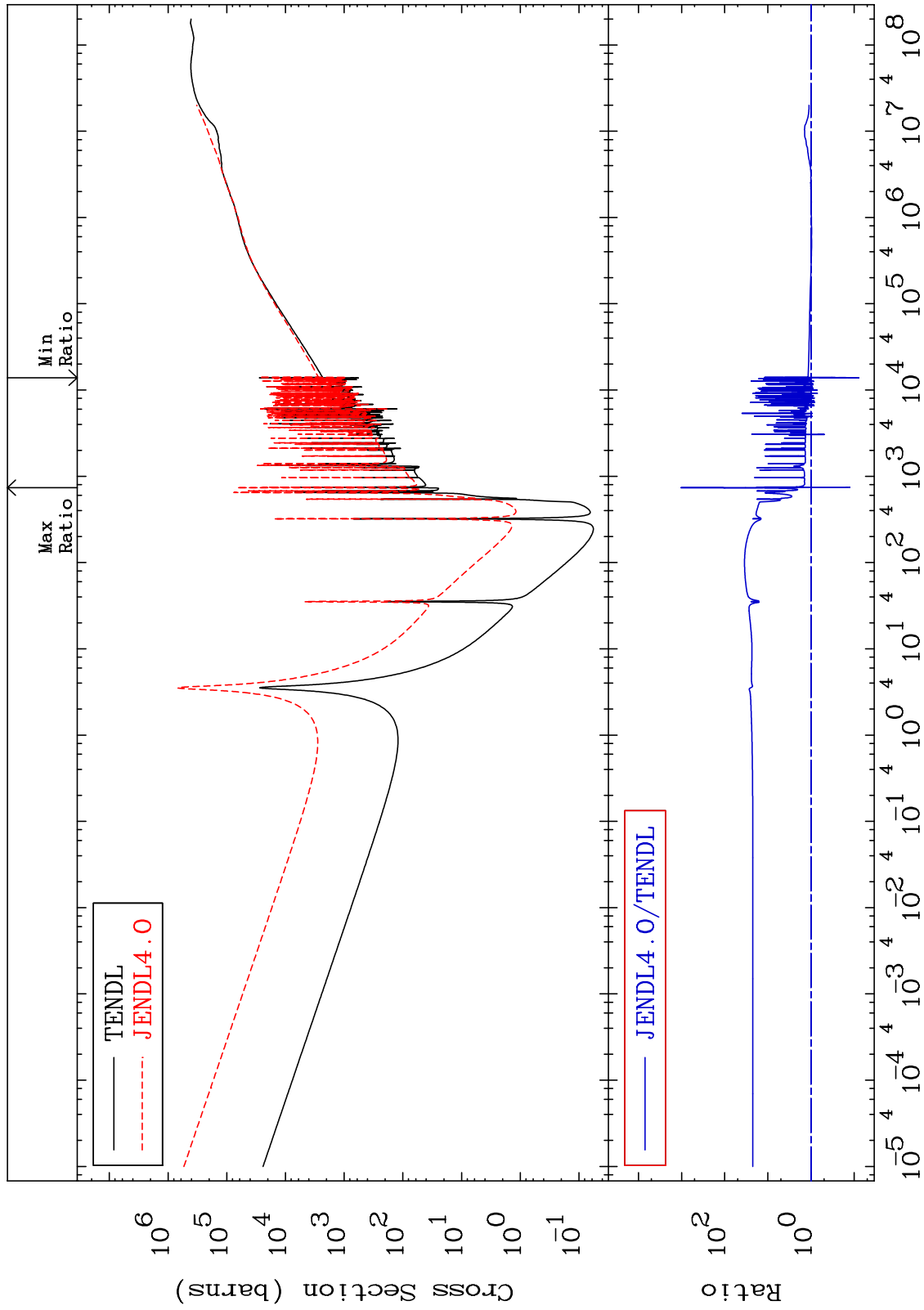
MAT 3834 Total kinematic kerma (high limit) 38-Sr-87  
Cross Section -92.27 To 9999. %



MAT 3834

Dpa total (eV-barns)  
Cross Section

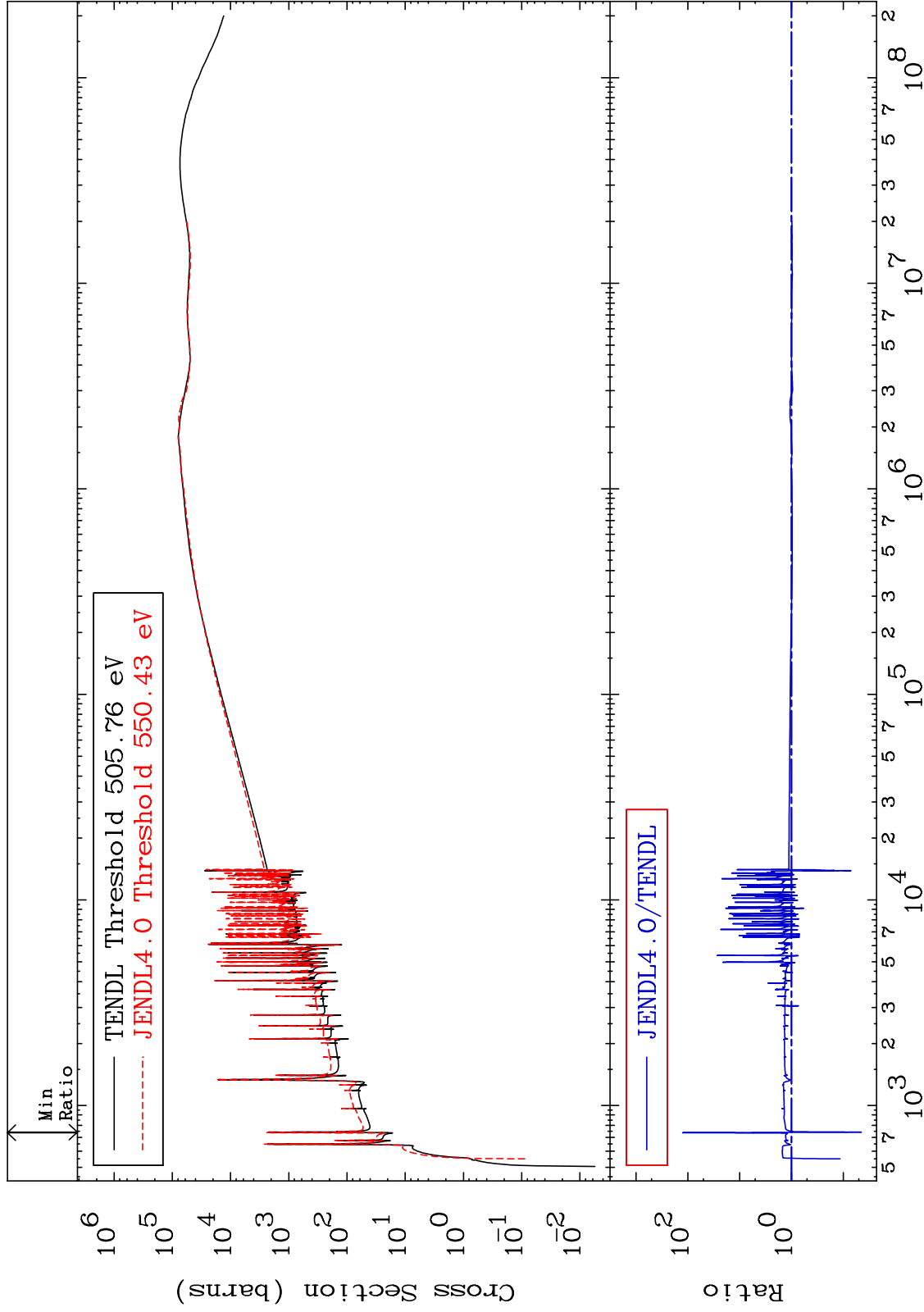
38-Sr-87  
-92.28 To 9999. %

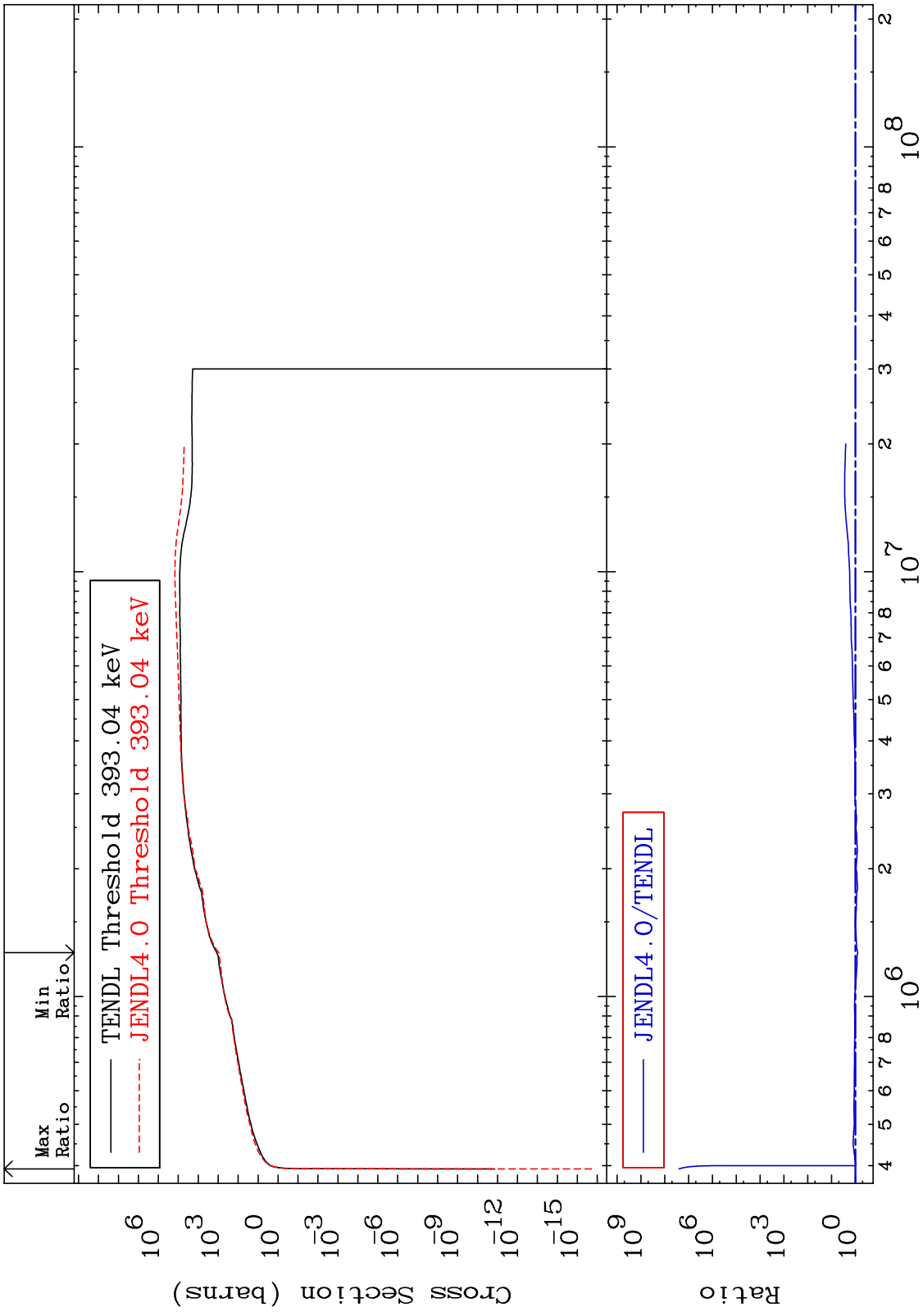


MAT 3834

Dpa elastic (mt2)  
Cross Section

38-Sr-87  
-95.52 To 9999. %

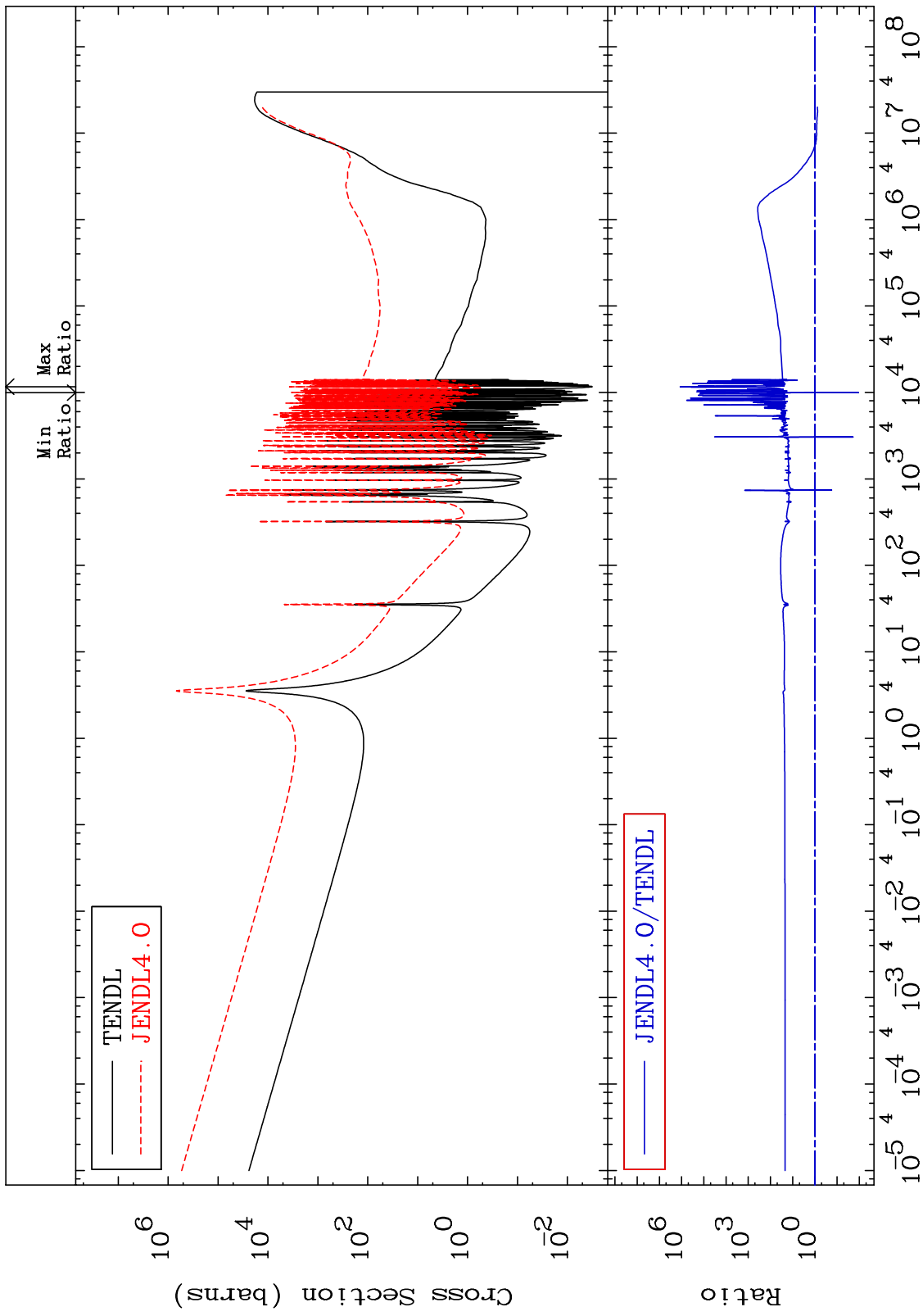




MAT 3834

Dpa disappearance (mt102 -120)  
Cross Section

38-Sr-87  
-98.93 To 9999. %



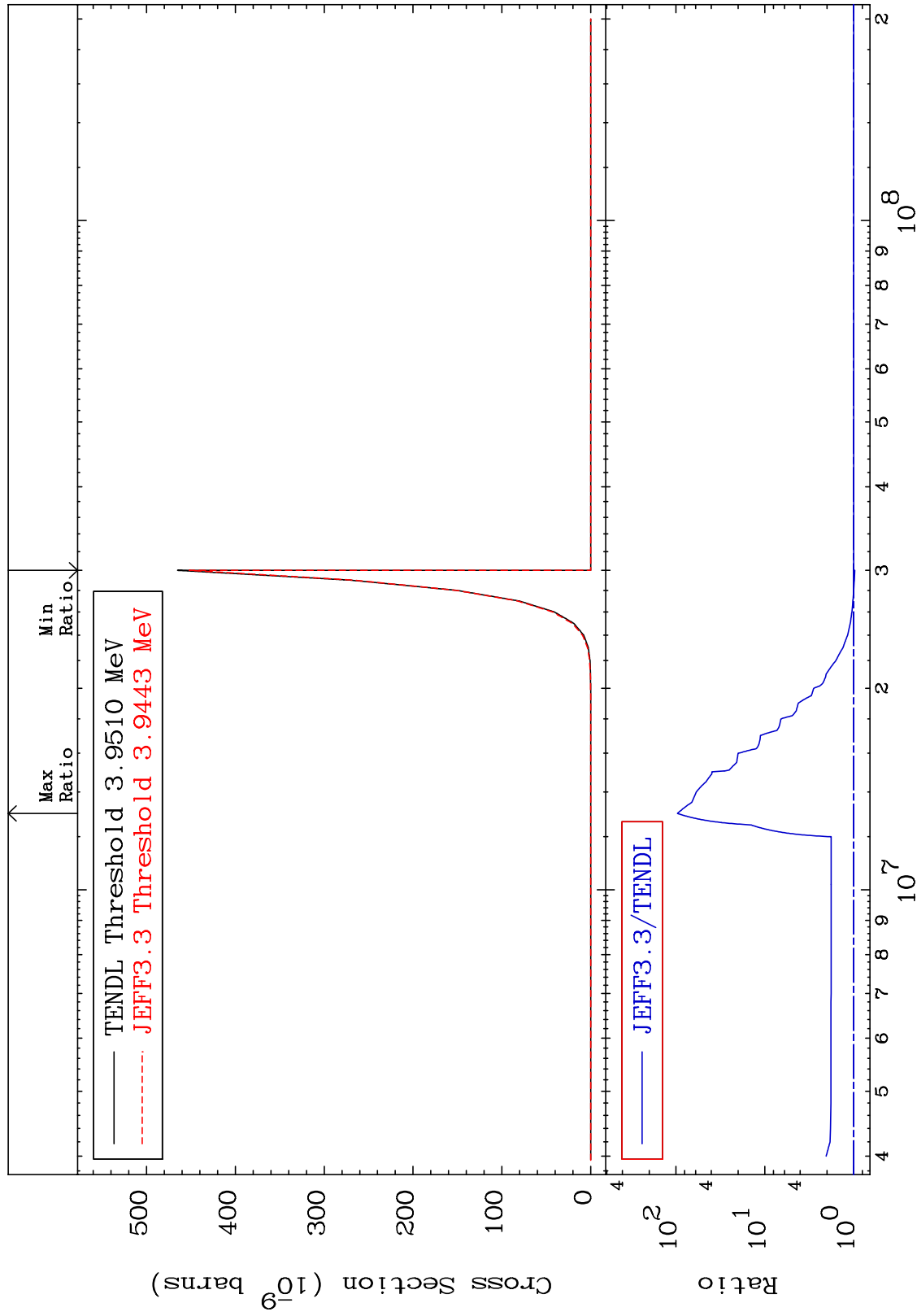
MAT 3834

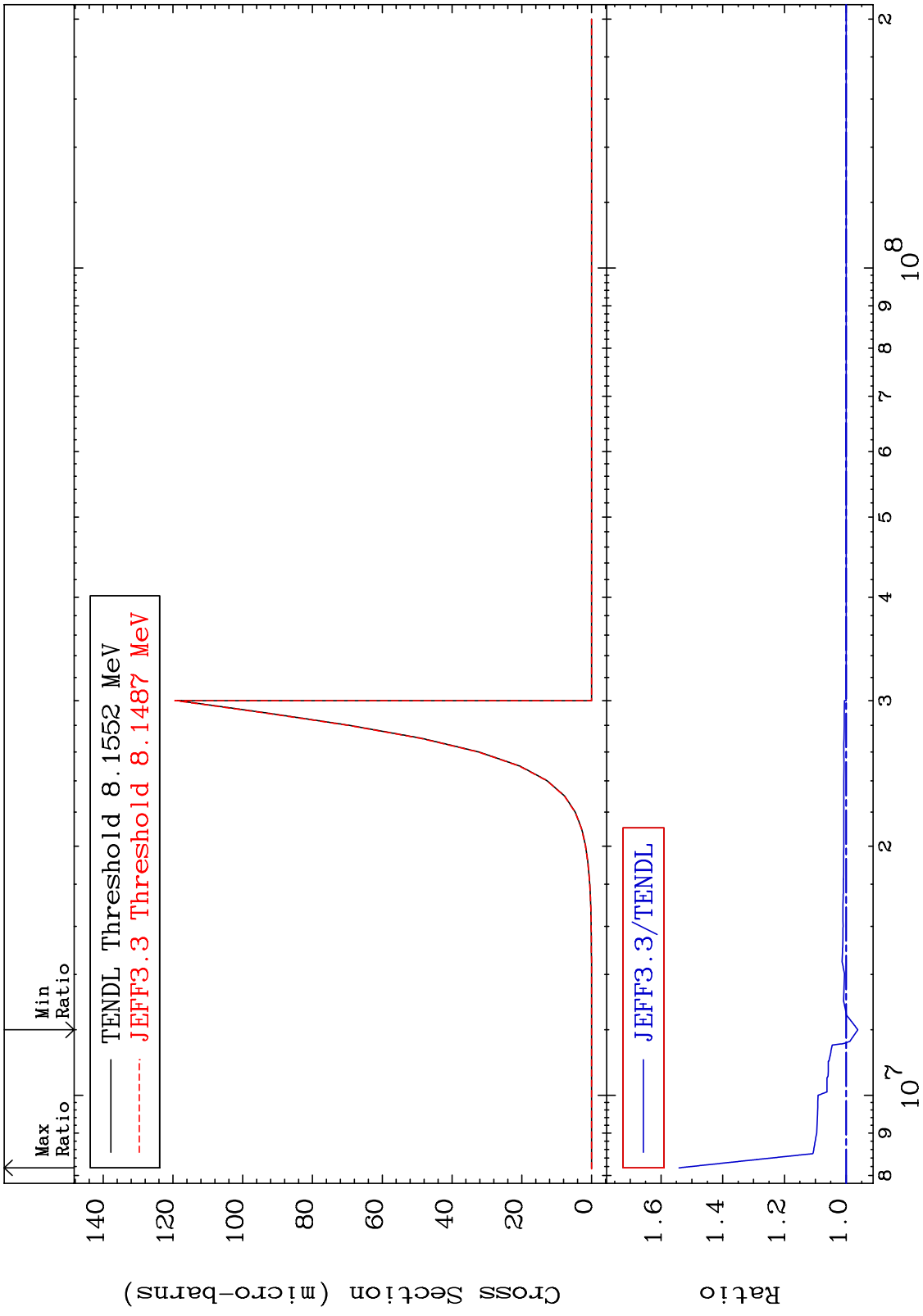
(n,2α)

38-Sr-87

Cross Section

-2.826 To 9499. %





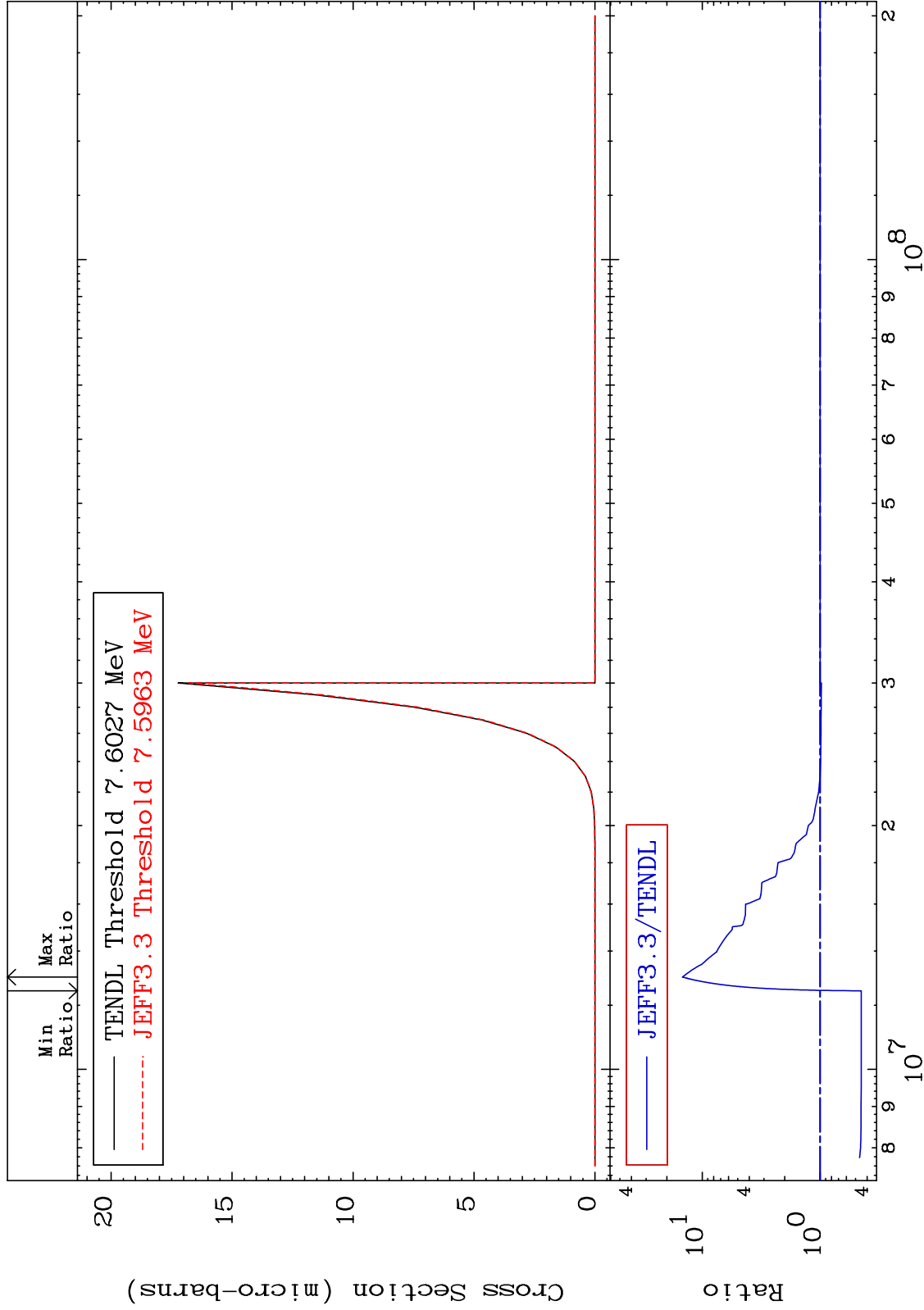
MAT 3834

(n,p)  $\alpha$

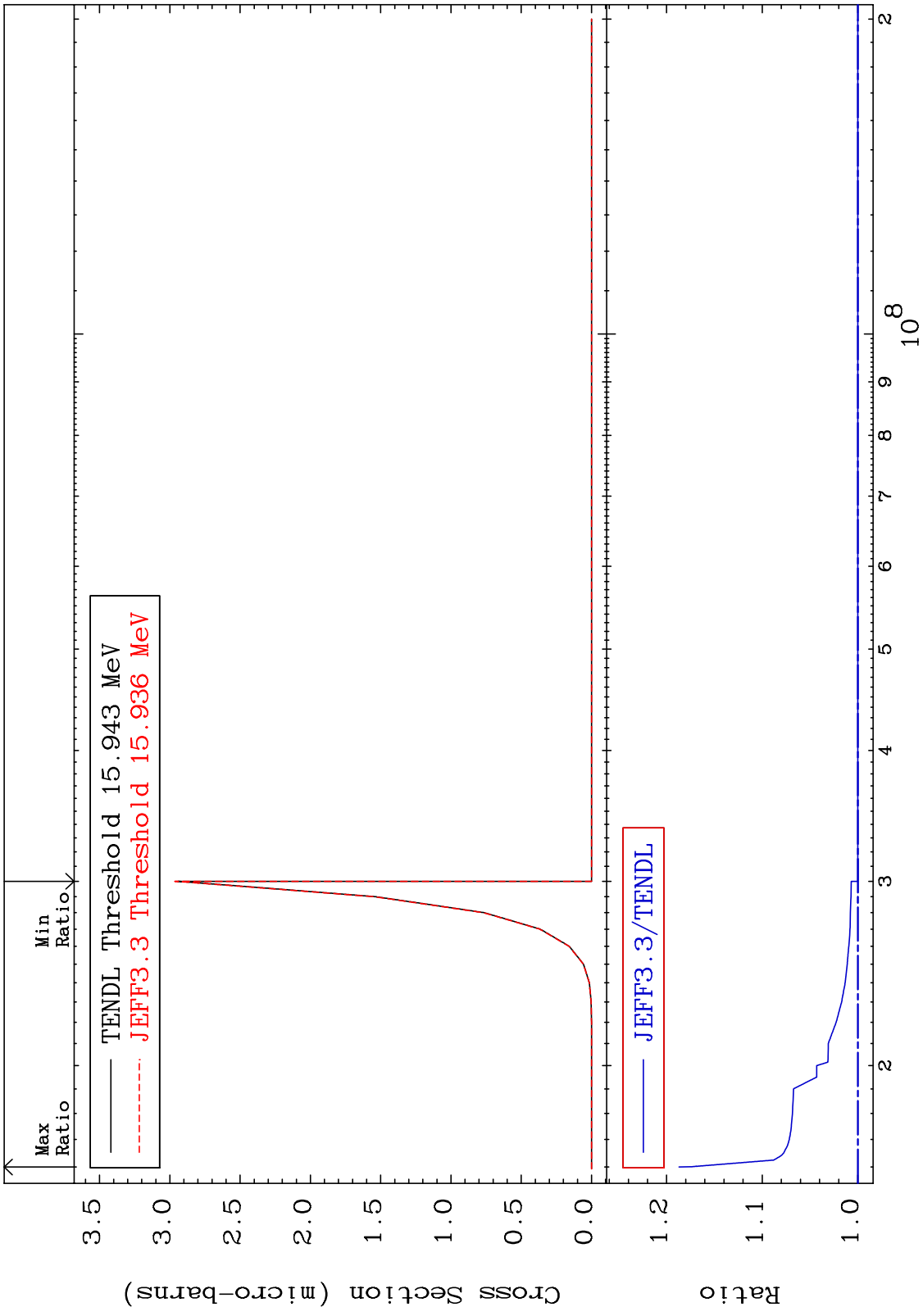
38-Sr-87

Cross Section

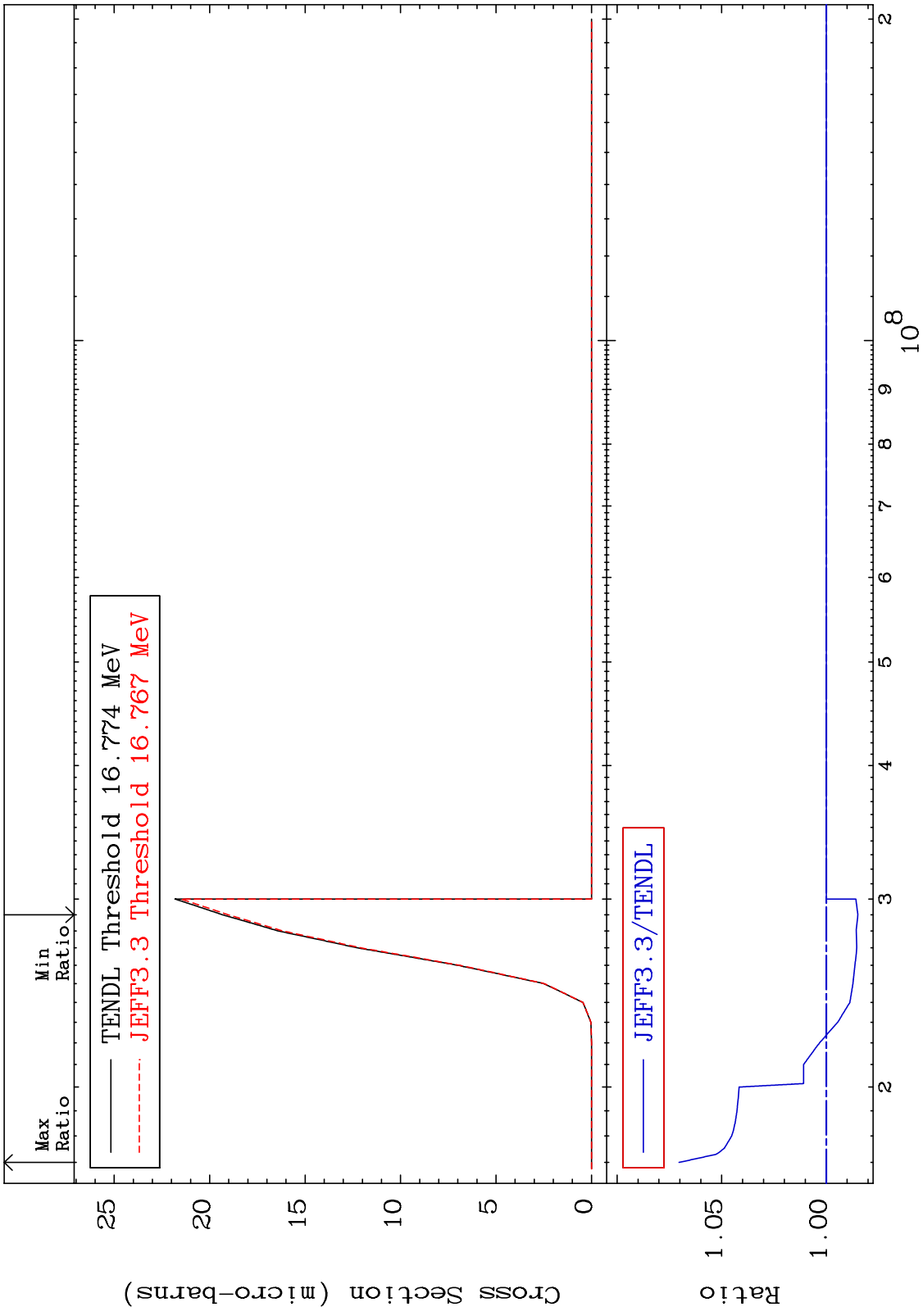
-55.22 To 1374. %

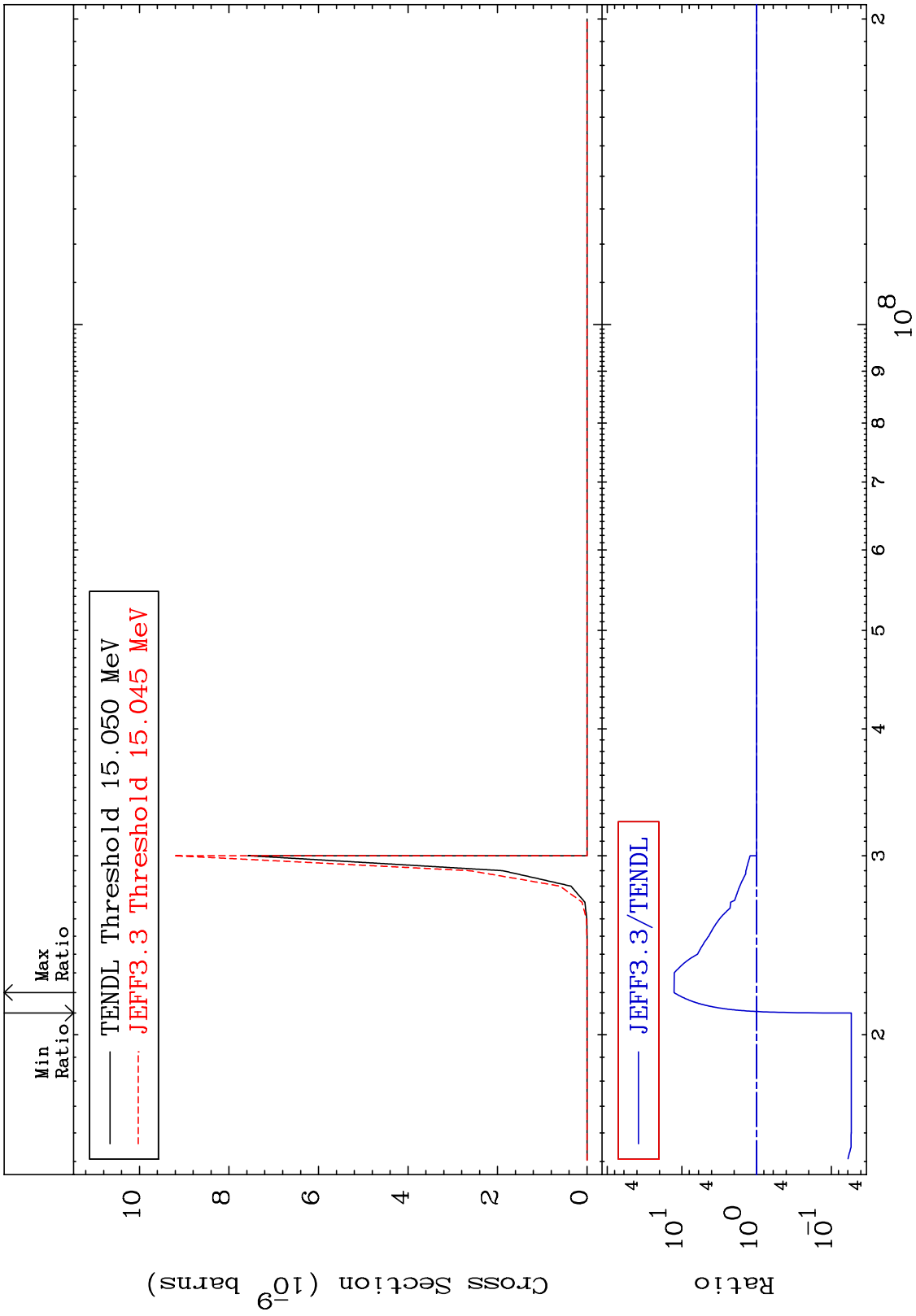


MAT 3834 (n,p) d 38-Sr-87  
 Cross Section 0.000 To 18.70 %



MAT 3834 (n,p) t 38-Sr-87  
 Cross Section -1.511 To 7.039 %

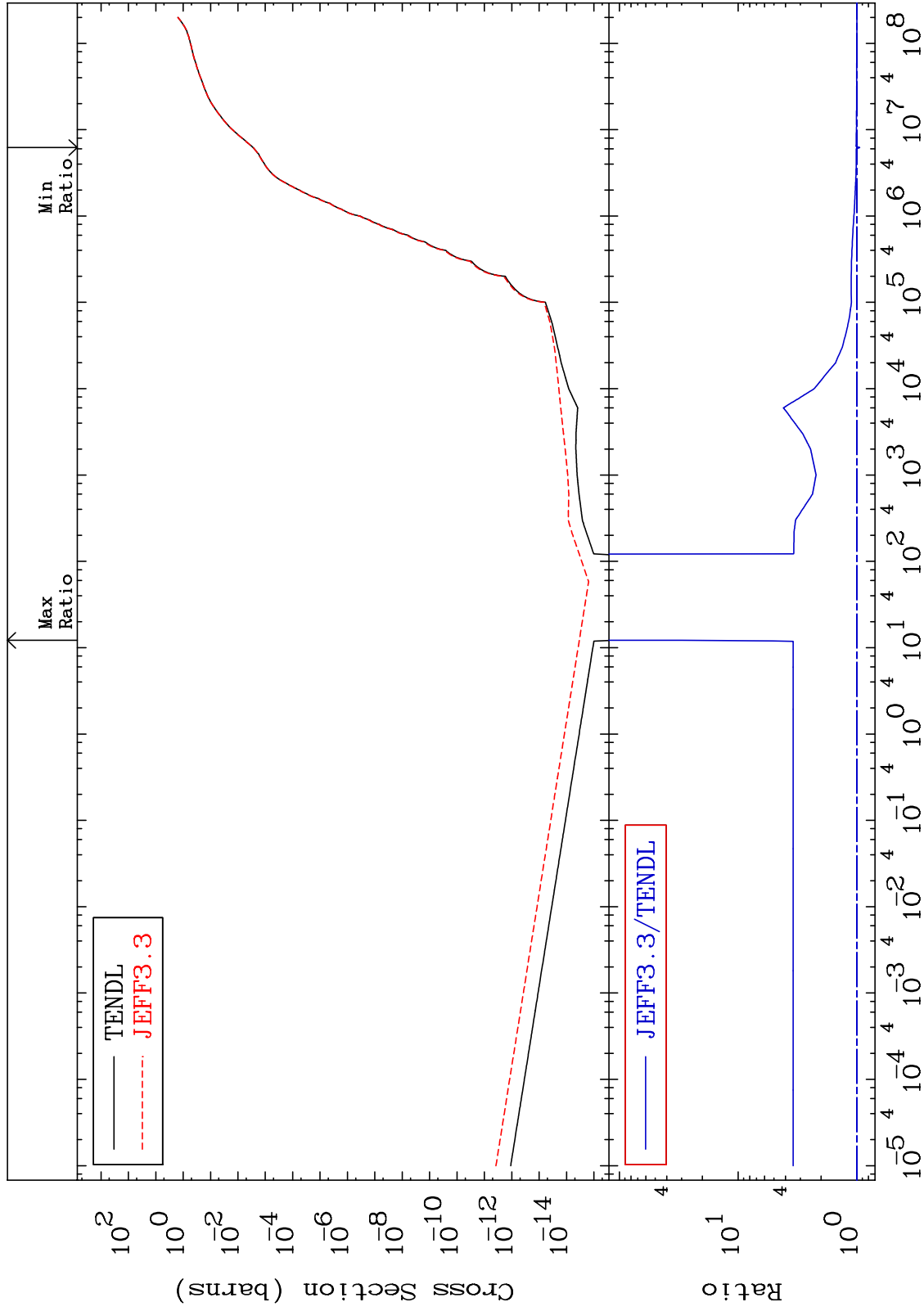




MAT 3834

Hydrogen Production  
Cross Section

38-Sr-87  
-5.440 To 2917. %



60

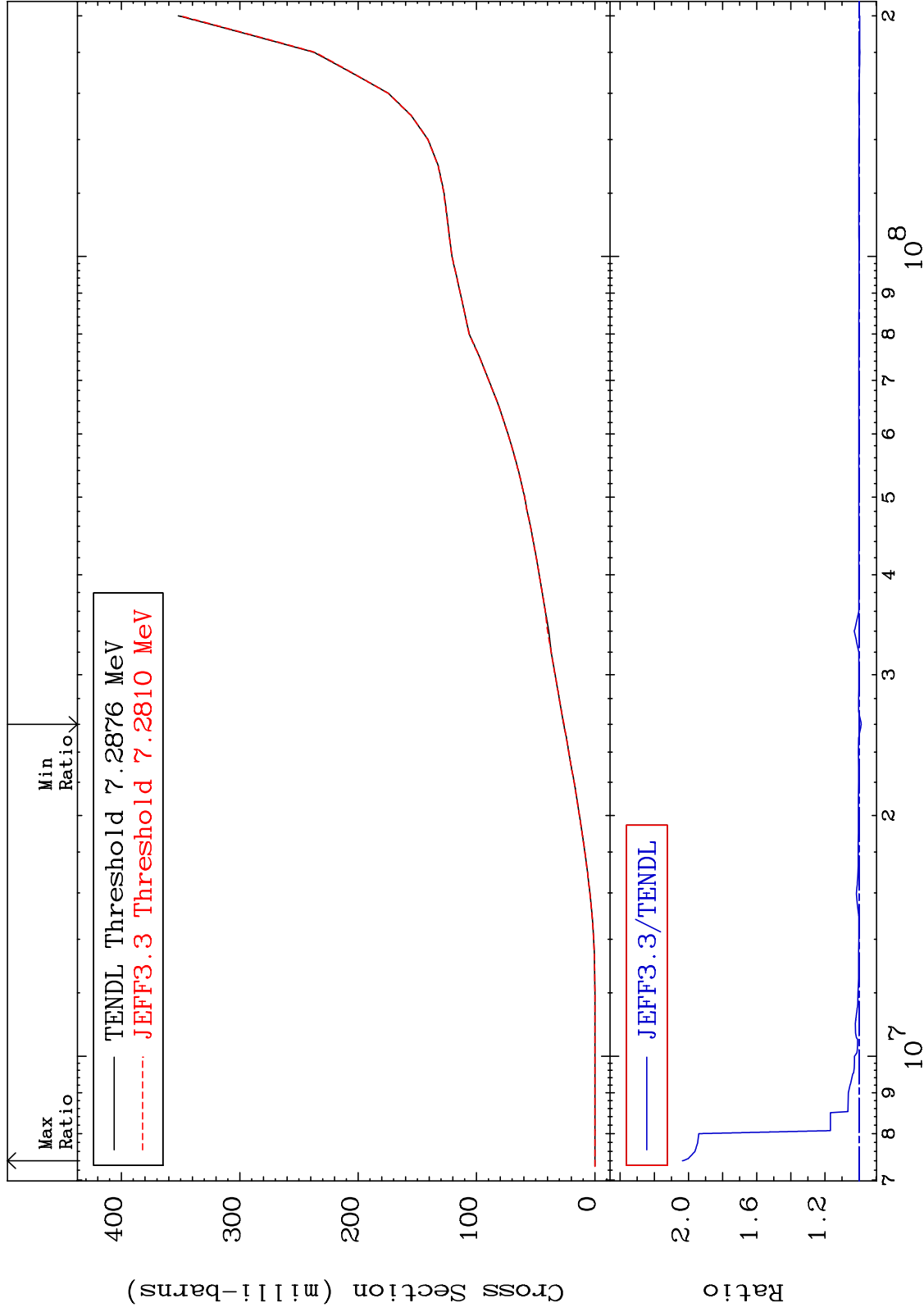
Incident Energy (eV)

38-Sr-87

MAT 3834

Deuterium Production  
Cross Section

38-Sr-87  
-1.302 To 103.5 %

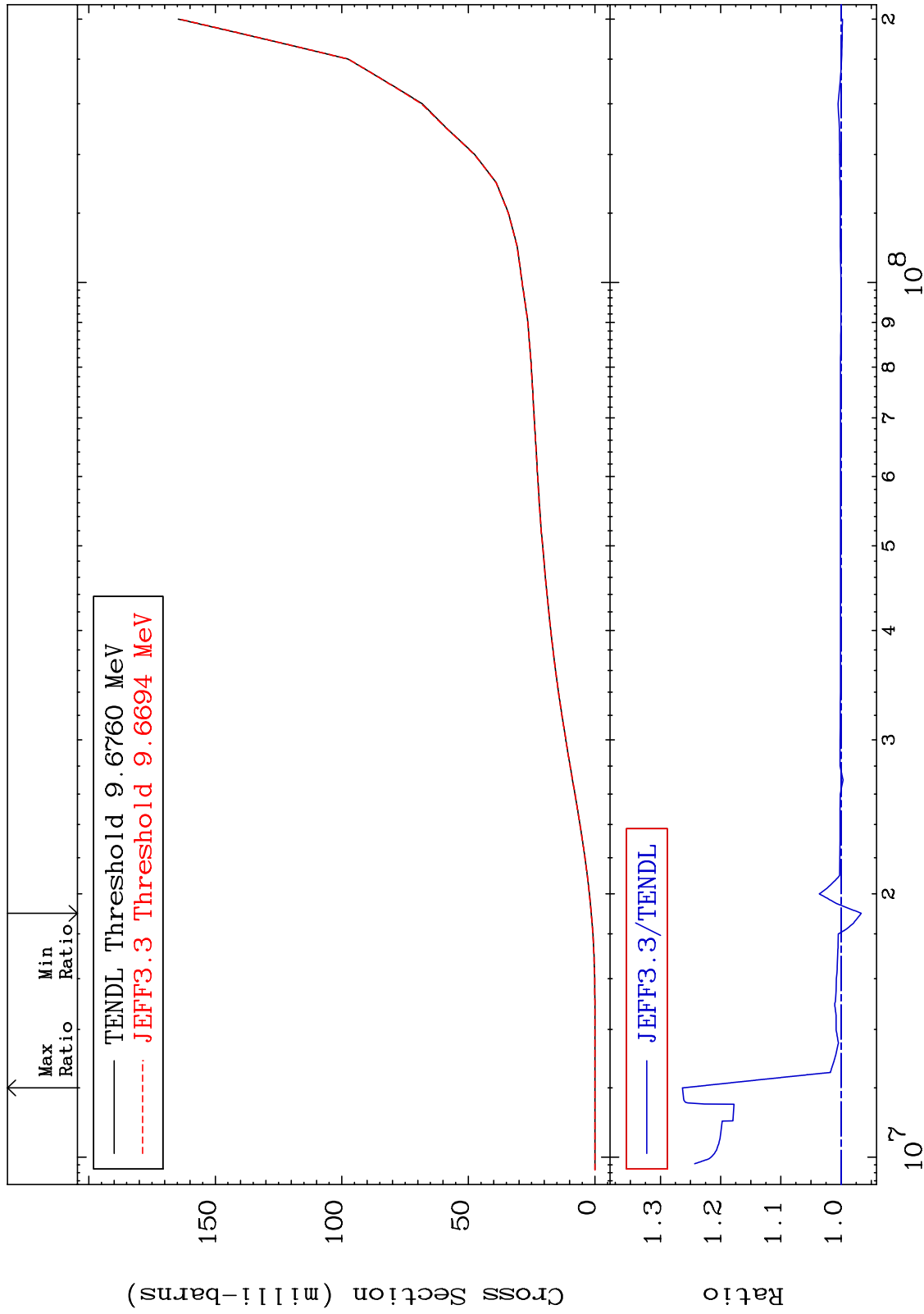


61

MAT 3834

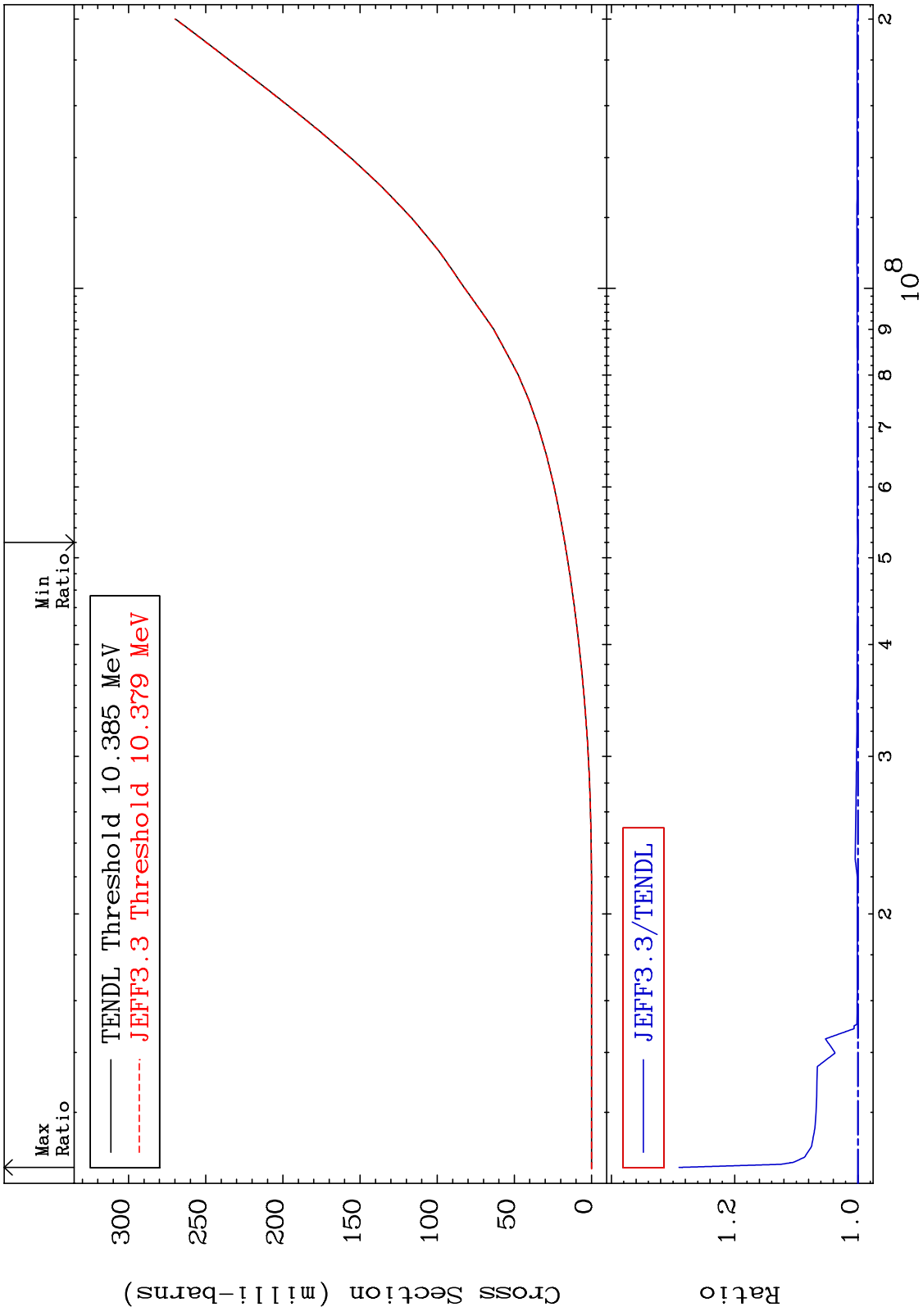
Tritium Production  
Cross Section

38-Sr-87  
-3.350 To 26.34 %



62

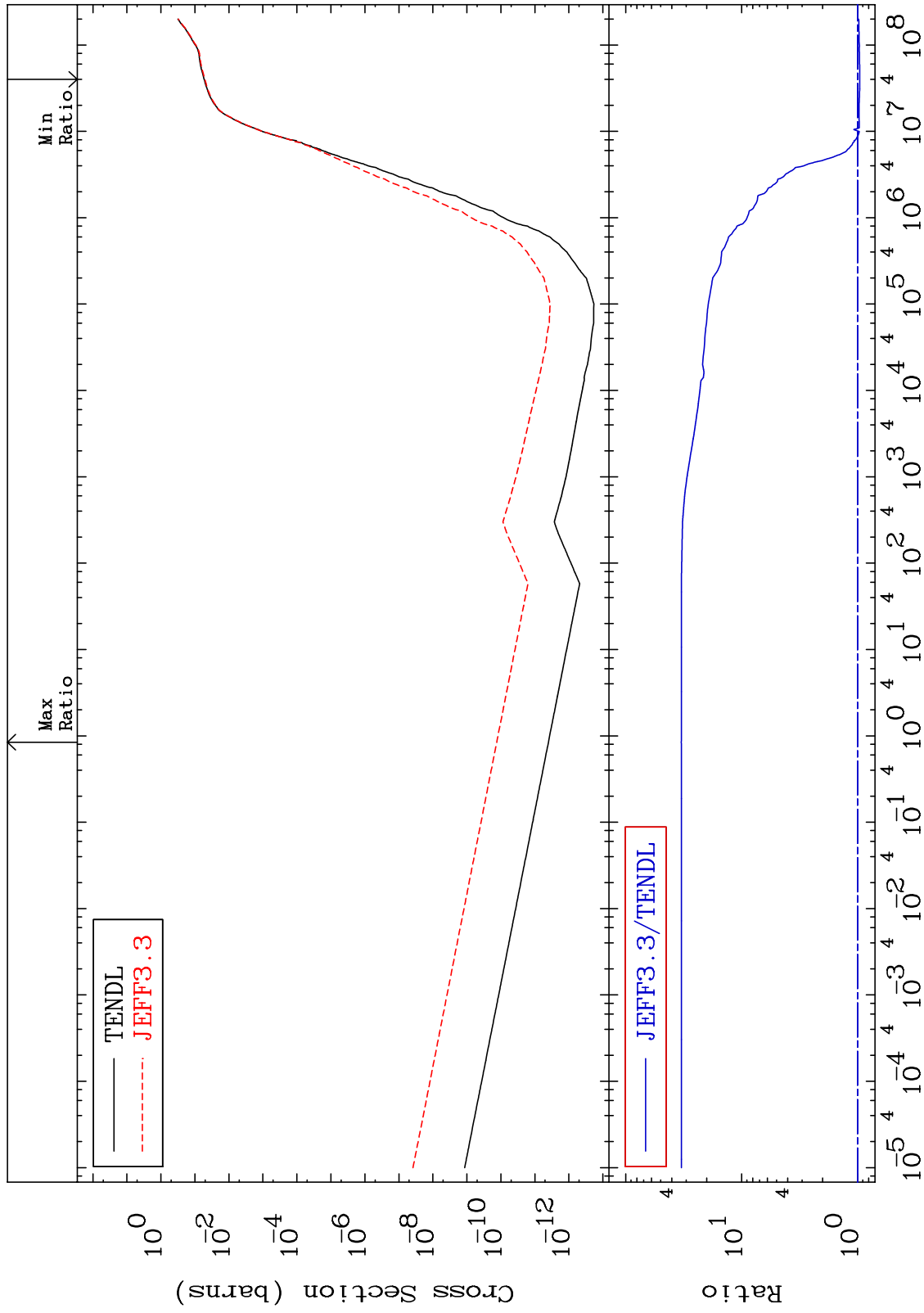
MAT 3834 He-3 Production Cross Section 38-Sr-87 To 29.02 %



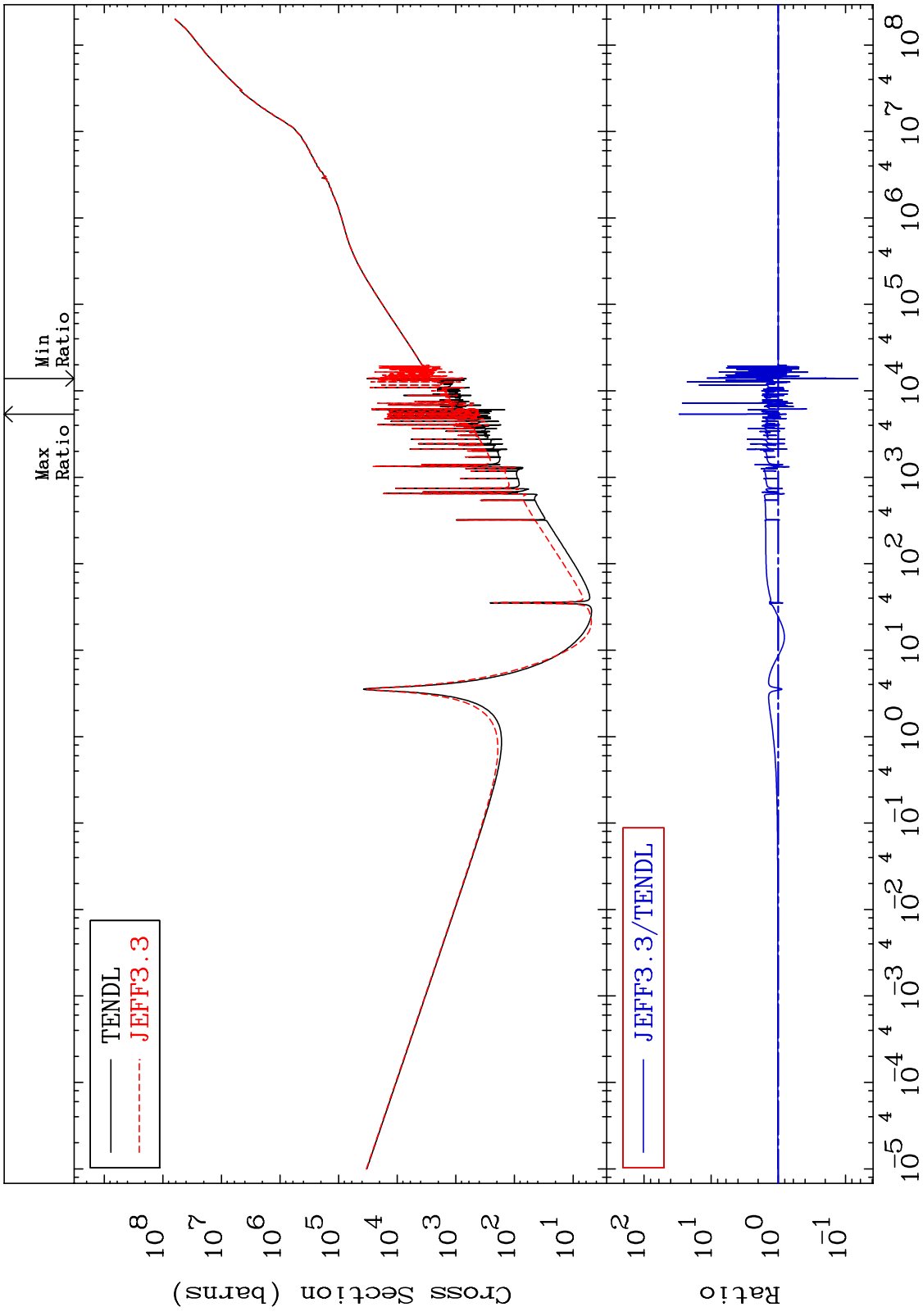
MAT 3834

He-4 Production  
Cross Section

38-Sr-87  
-4.455 To 3216. %



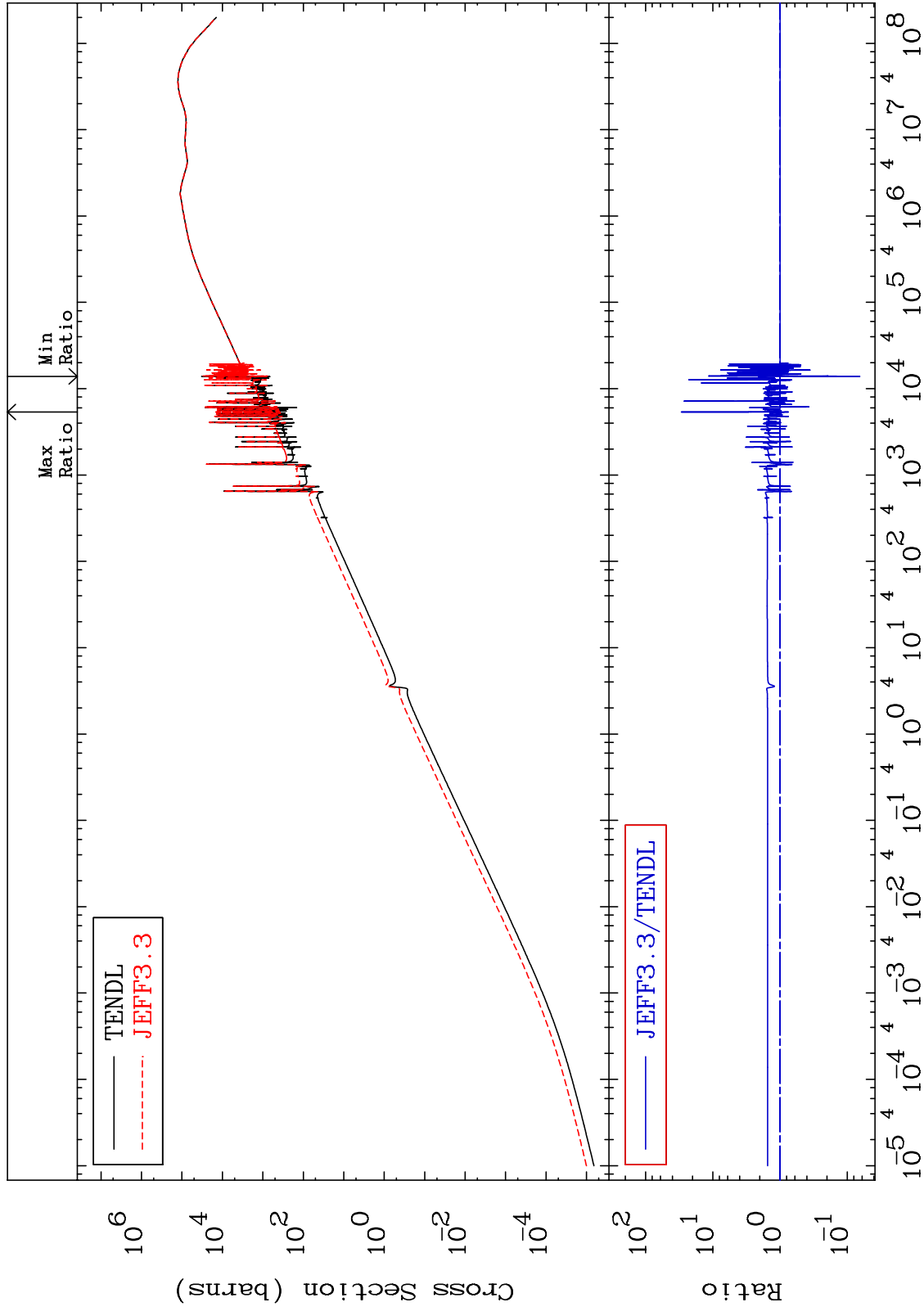
MAT 3834 Kerma total (eV-barns) Cross Section 38-Sr-87  
 -93.46 To 2911. %



MAT 3834

Kerma elastic  
Cross Section

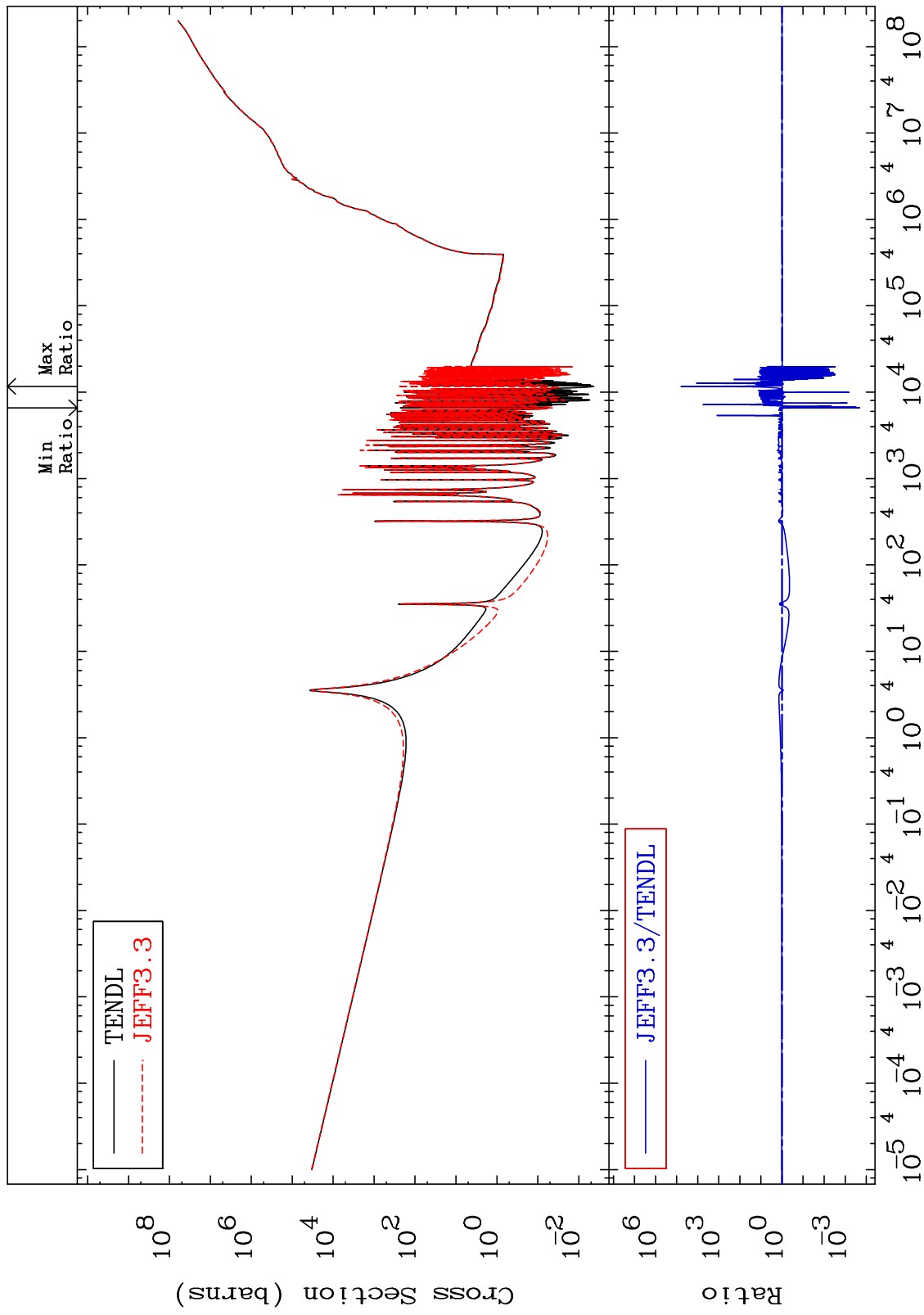
38-Sr-87  
-93.48 To 2850. %



MAT 3834

Kerma non-elastic (all but mt2)  
Cross Section

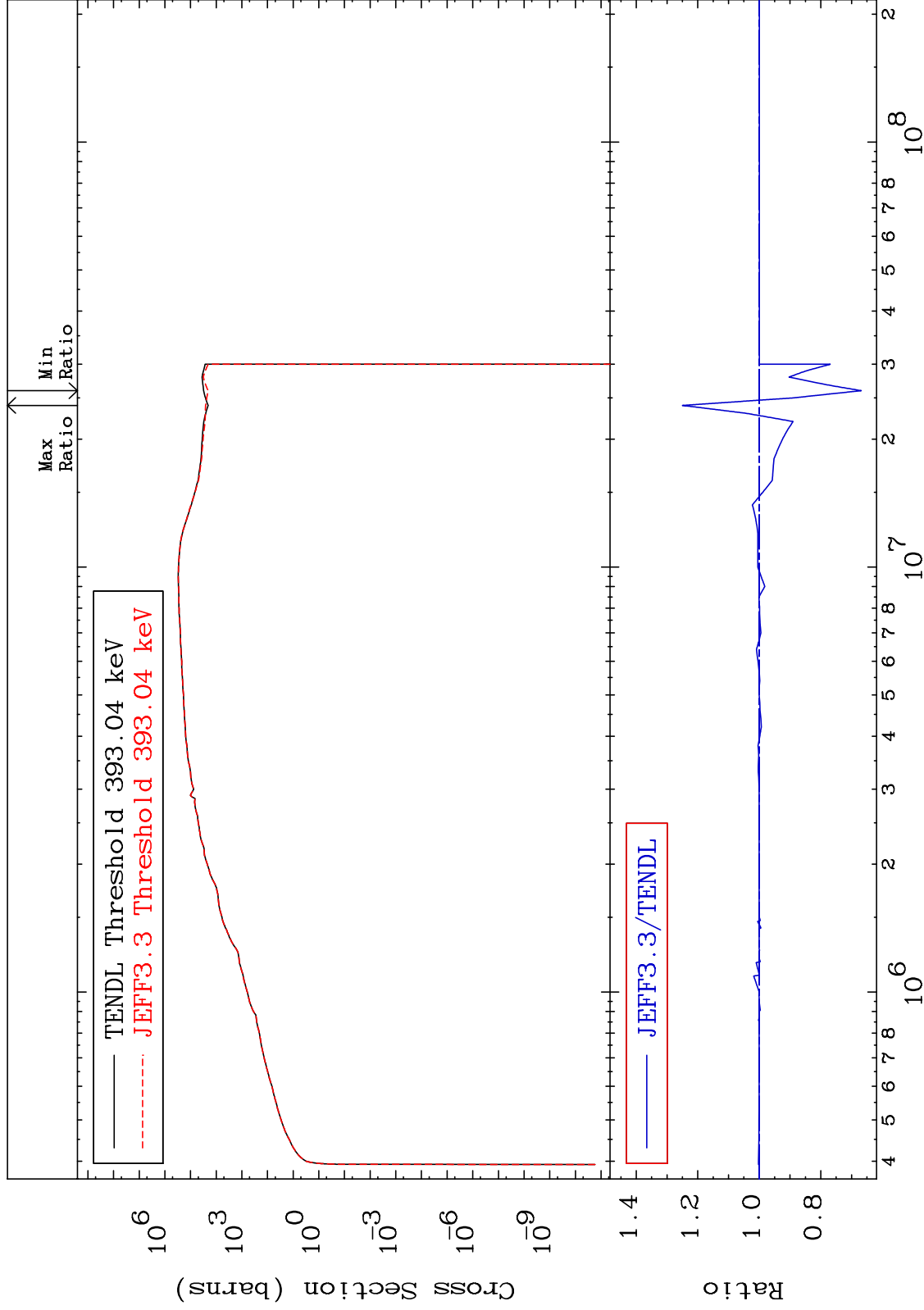
38-Sr-87  
-99.98 To 9999. %



MAT 3834

Kerma inelastic (mt51-91)  
Cross Section

38-Sr-87  
-33.18 To 24.98 %



68

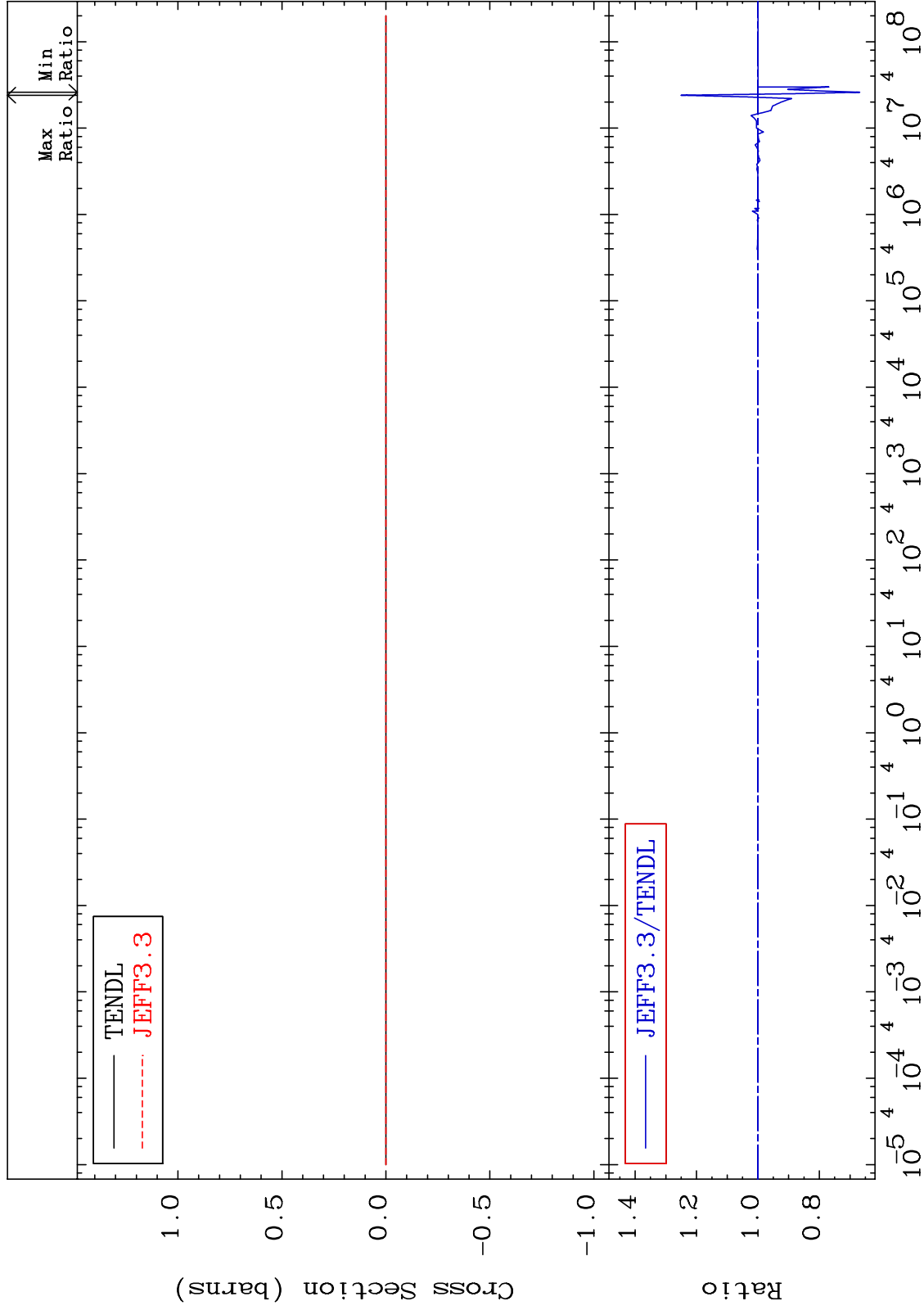
Incident Energy (eV)

38-Sr-87

MAT 3834

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

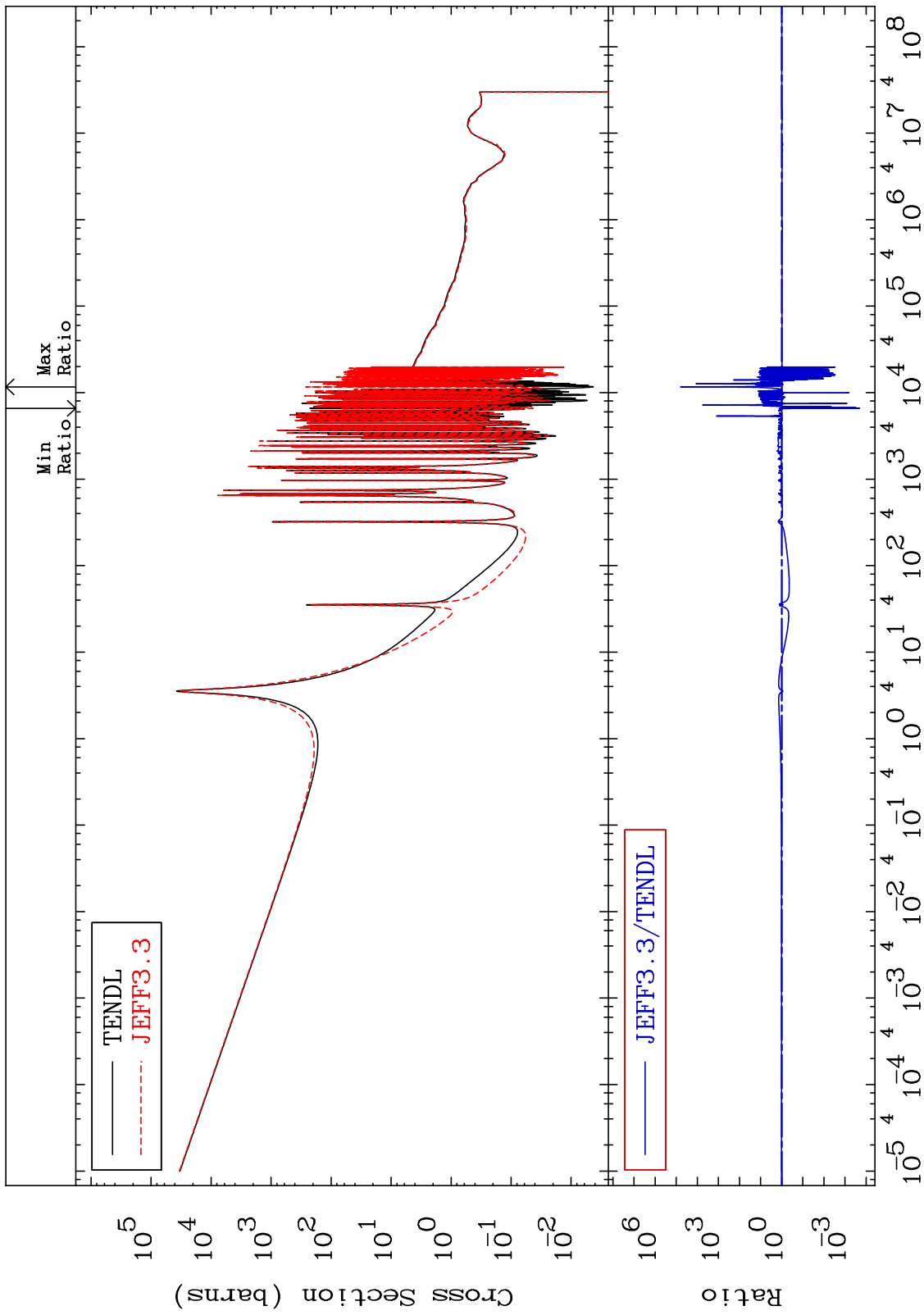
38-Sr-87  
-33.18 To 24.98 %



MAT 3834

Kerma capture (mt102)  
Cross Section

38-Sr-87  
-99.98 To 9999. %



70

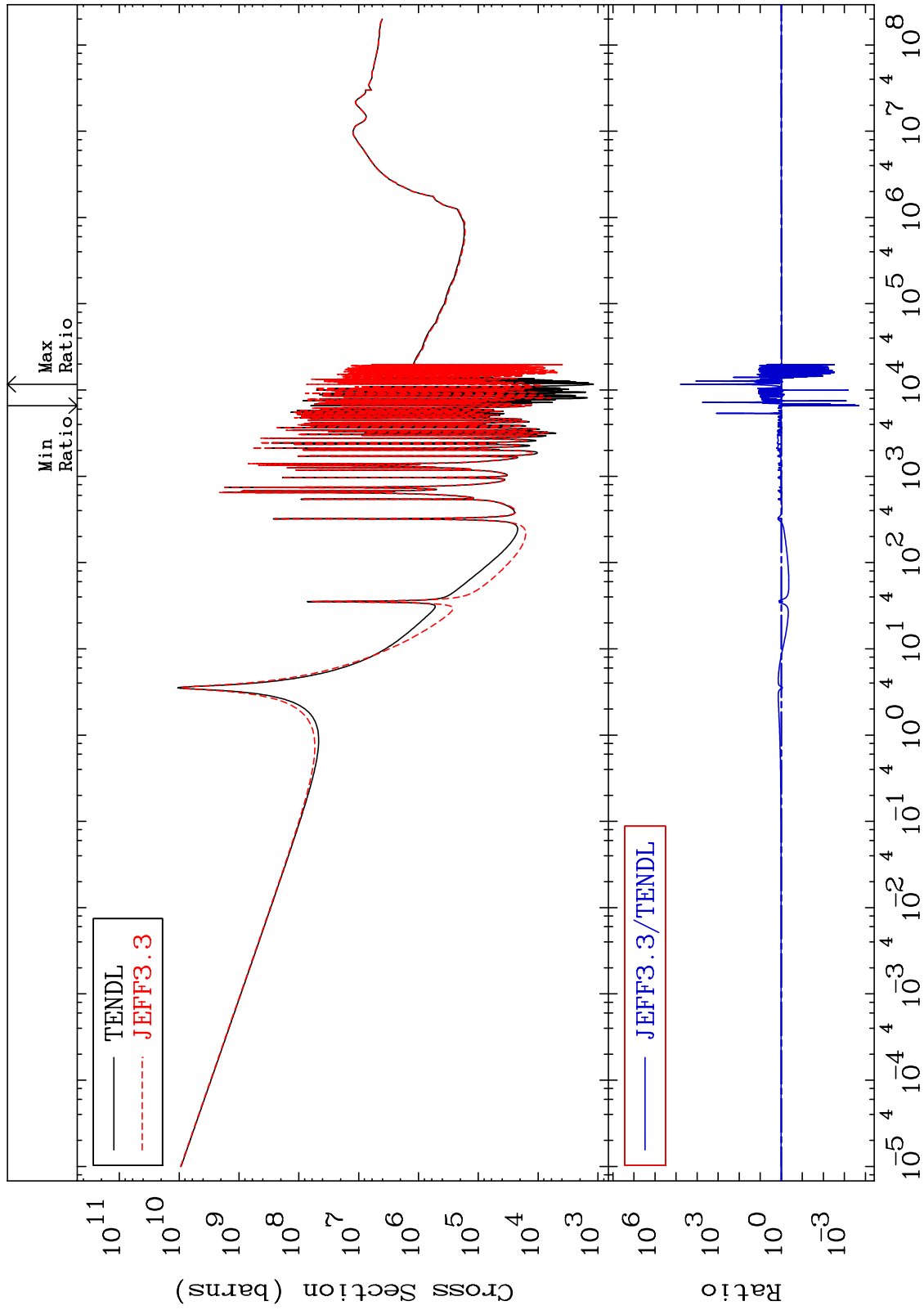
Incident Energy (eV)

38-Sr-87

MAT 3834

Total photon (eV-barns)  
Cross Section

38-Sr-87  
-99.98 To 9999. %

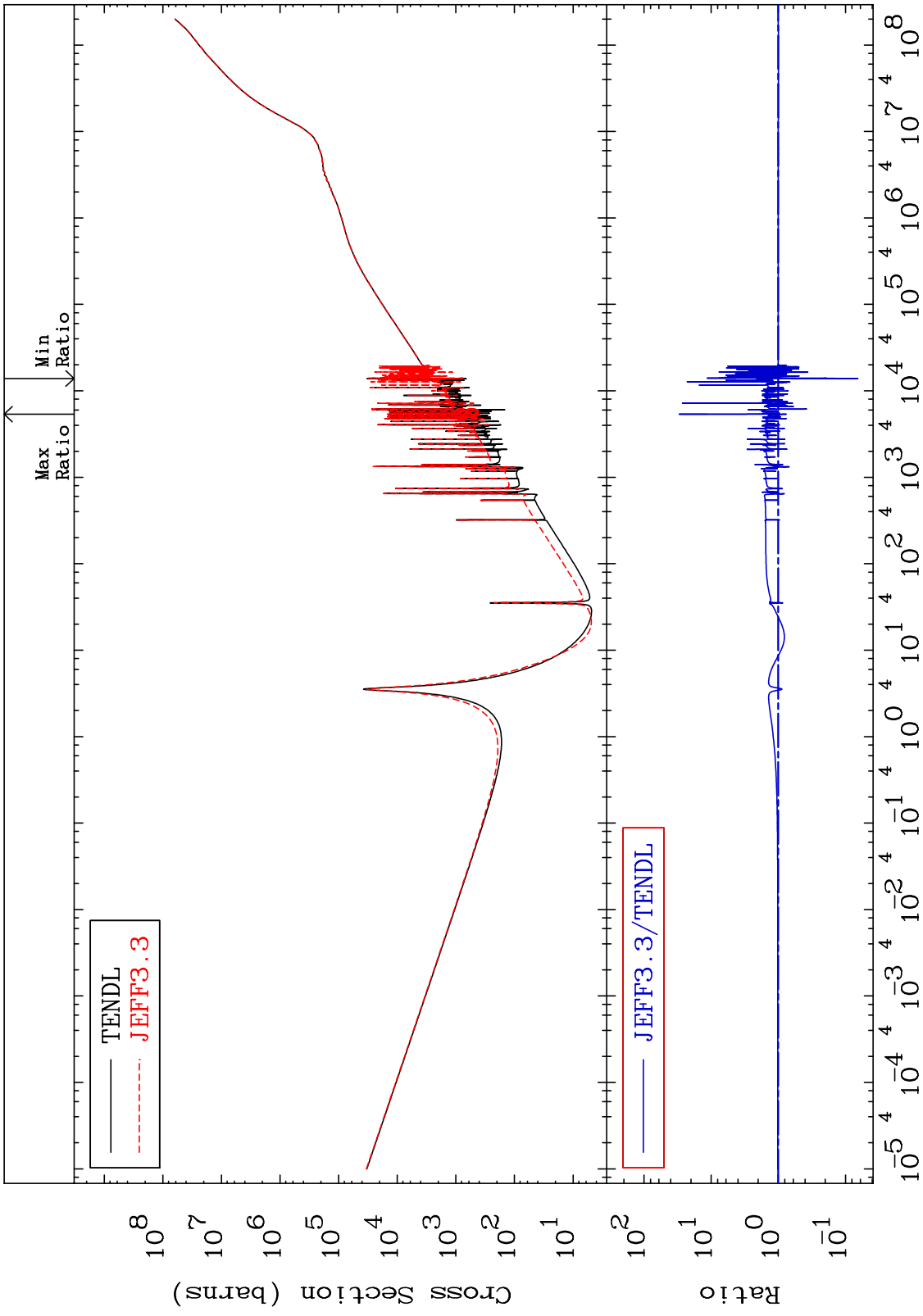


71

Incident Energy (eV)

38-Sr-87

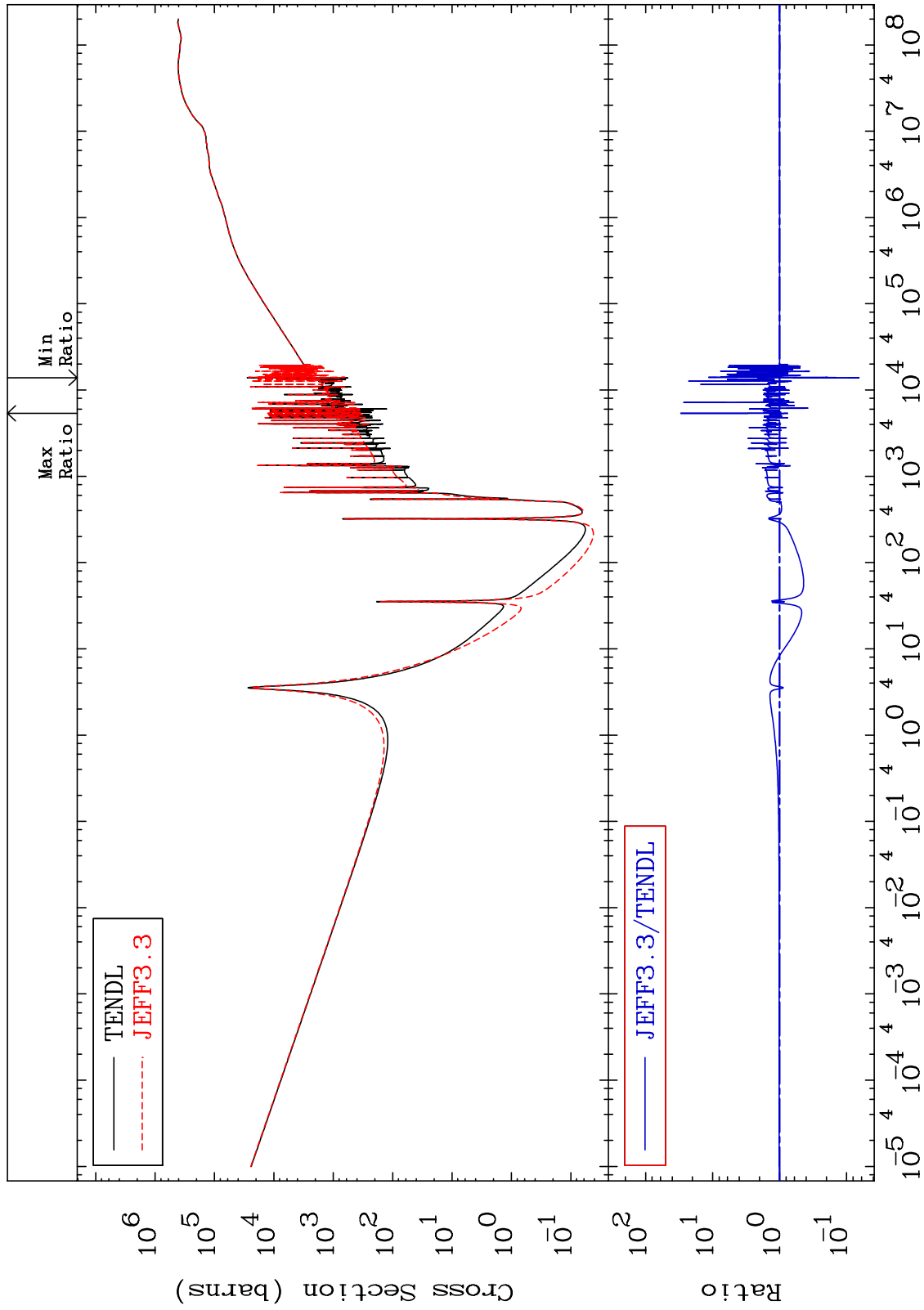
MAT 3834 Total kinematic kerma (high limit) 38-Sr-87  
 Cross Section -93.46 To 2911. %



MAT 3834

Dpa total (eV-barns)  
Cross Section

38-Sr-87  
-93.46 To 2901. %



73

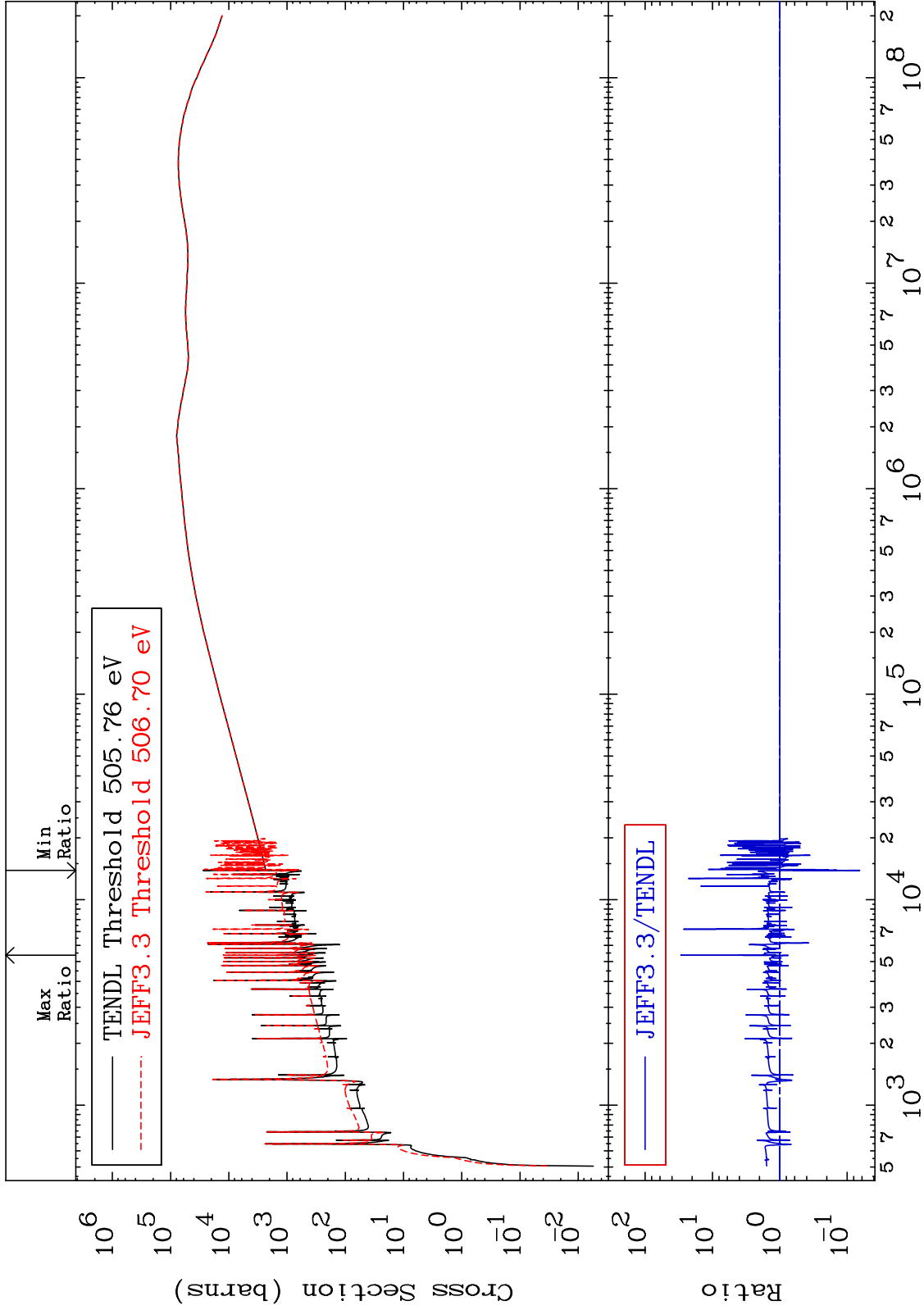
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa elastic (mt2)  
Cross Section

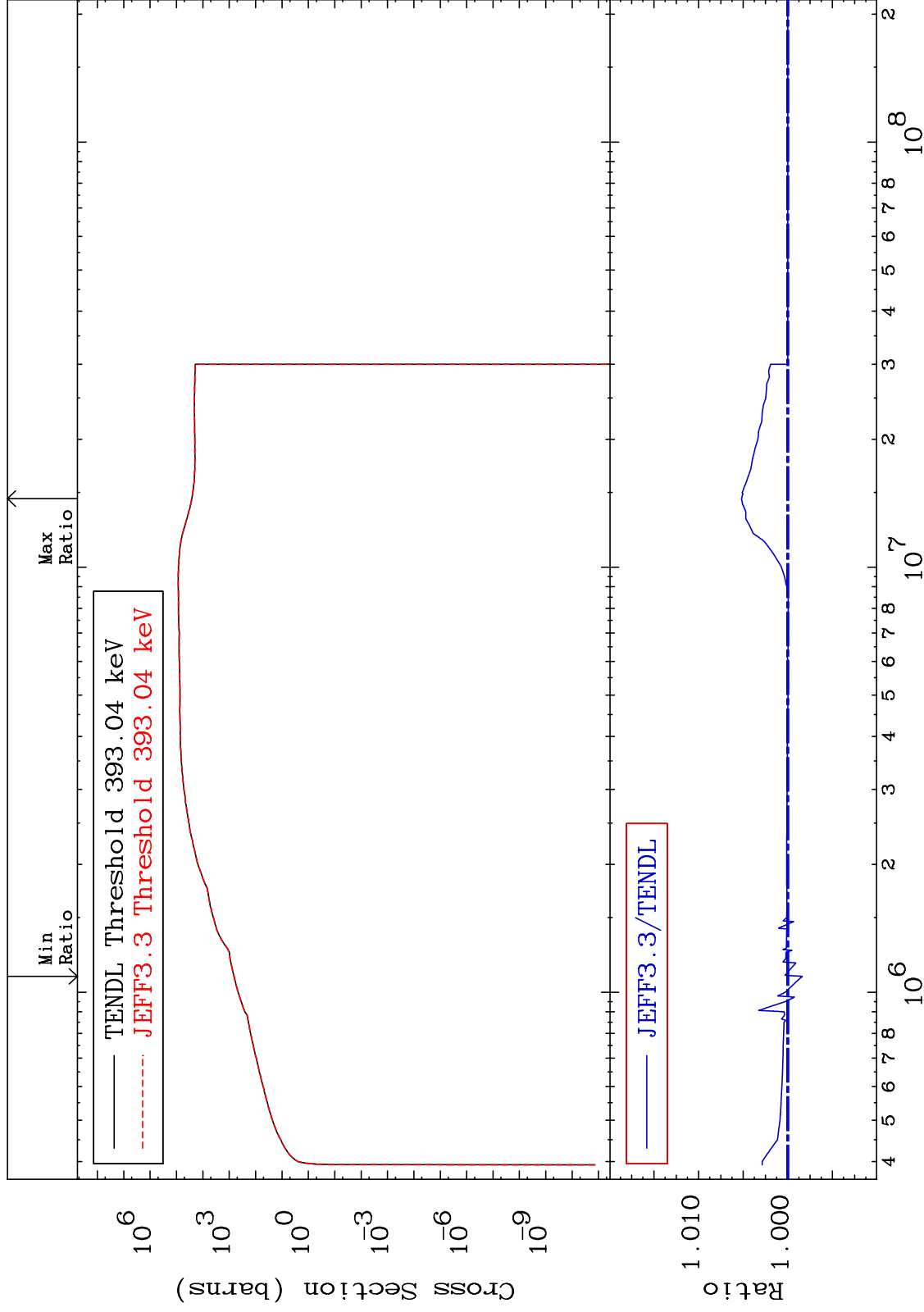
38-Sr-87  
-93.48 To 2850. %



MAT 3834

Dpa inelastic (mt51-91)  
Cross Section

38-Sr-87  
-0.162 To 0.519 %



75

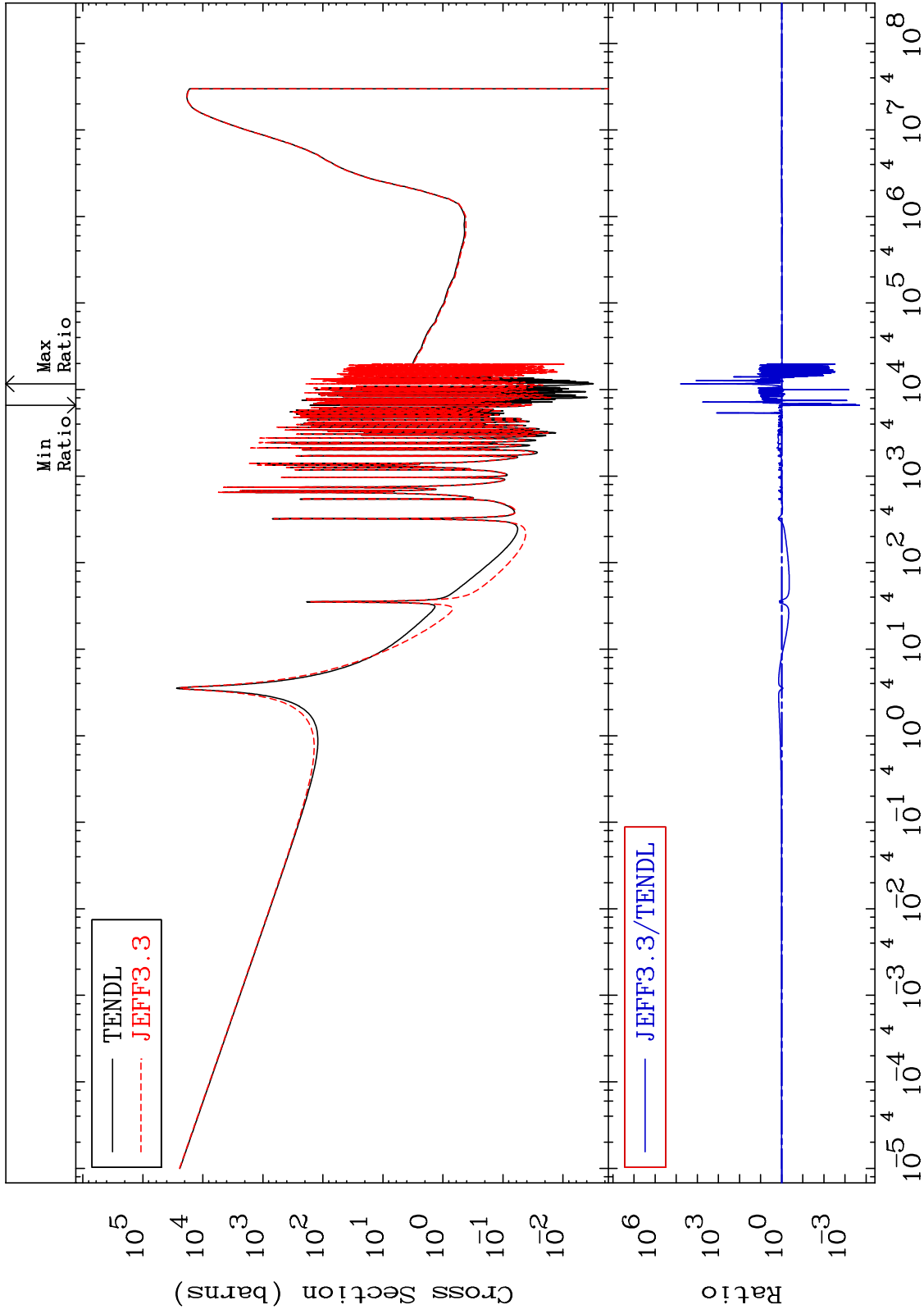
Incident Energy (eV)

38-Sr-87

MAT 3834

Dpa disappearance (mt102 -120)  
Cross Section

38-Sr-87  
-99.98 To 9999. %



76

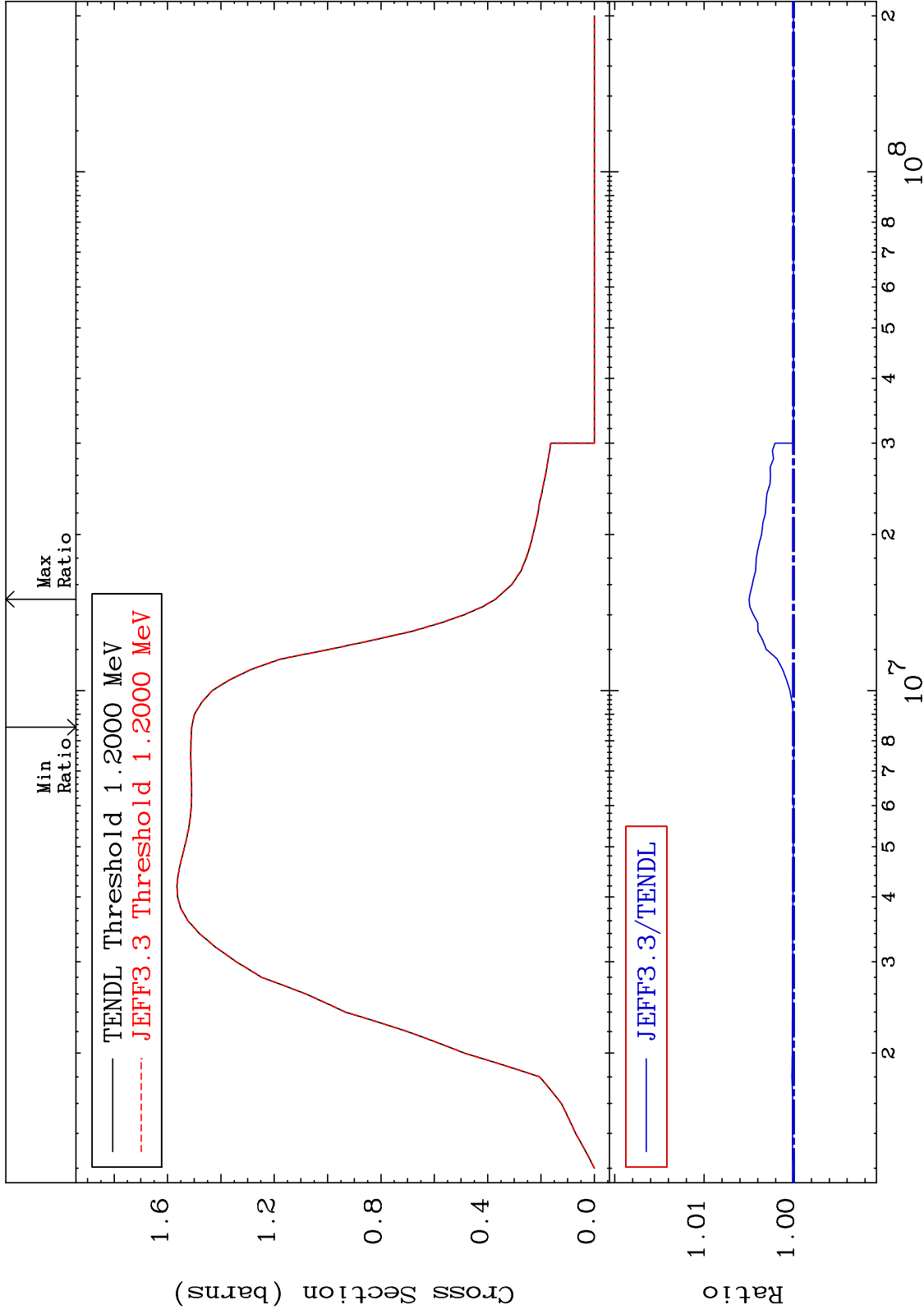
Incident Energy (eV)

38-Sr-87

MAT 3834

Inelastic: 38-Sr-87g  
Radionuclide Production Cross Section -0.007 To 0.498 %

38-Sr-87



77

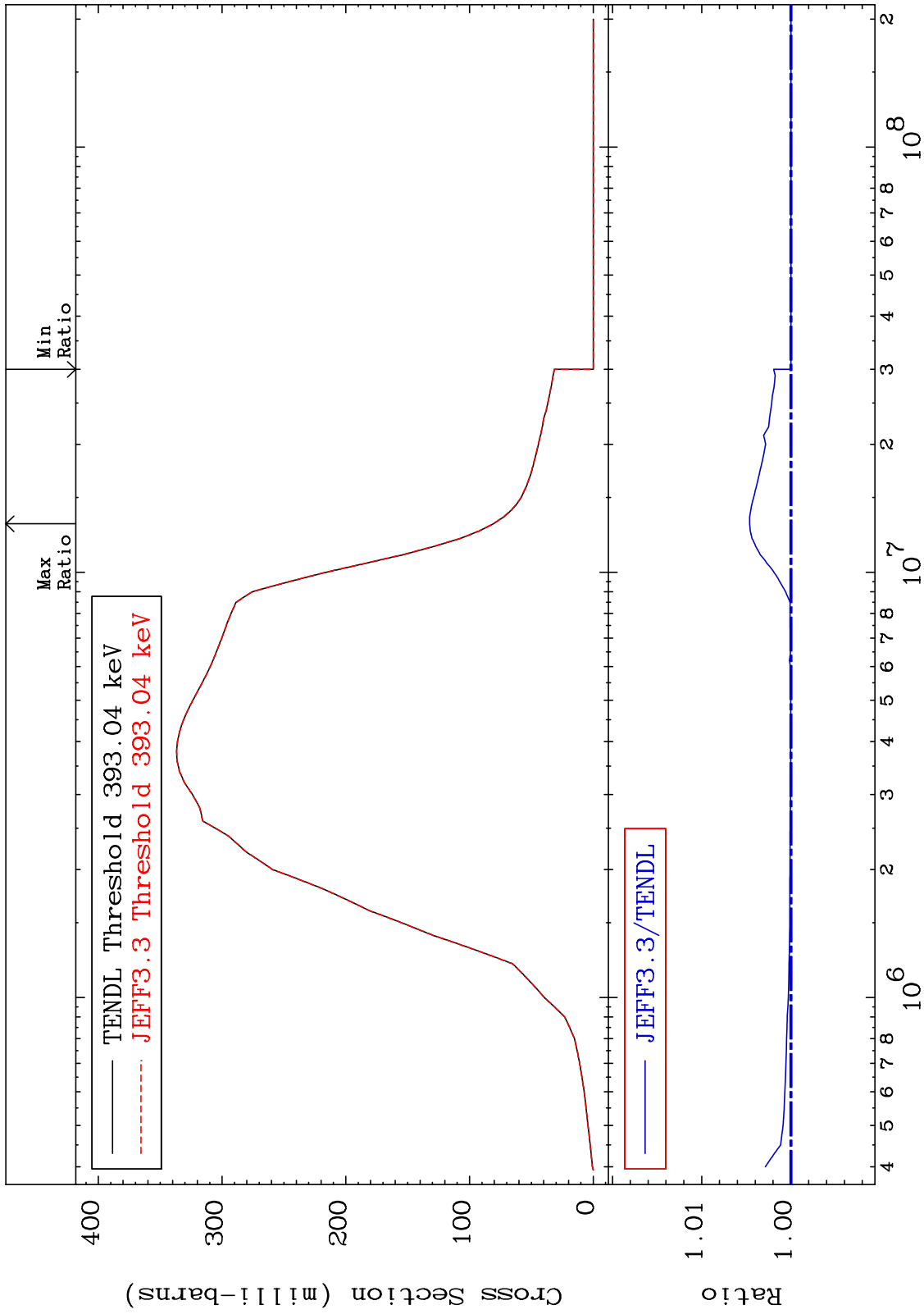
Incident Energy (eV)

38-Sr-87

MAT 3834

Inelastic: 38-Sr-87m1  
Radionuclide Production Cross Section 0.000 To 0.463 %

38-Sr-87



78

Incident Energy (eV)

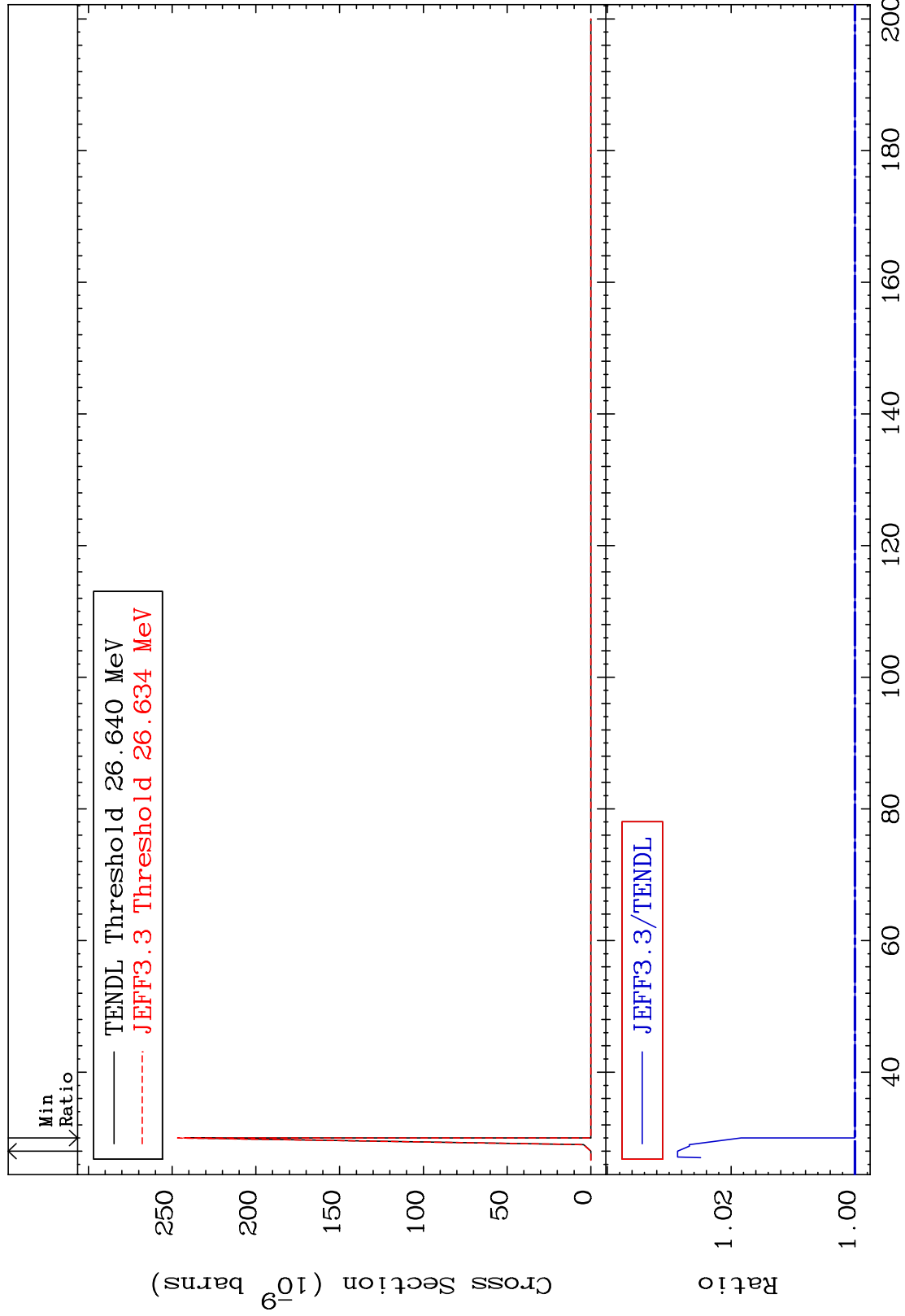
38-Sr-87

MAT 3834

(n,2n) d:37-Rb-84g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 2.864 %



79

Incident Energy (MeV)

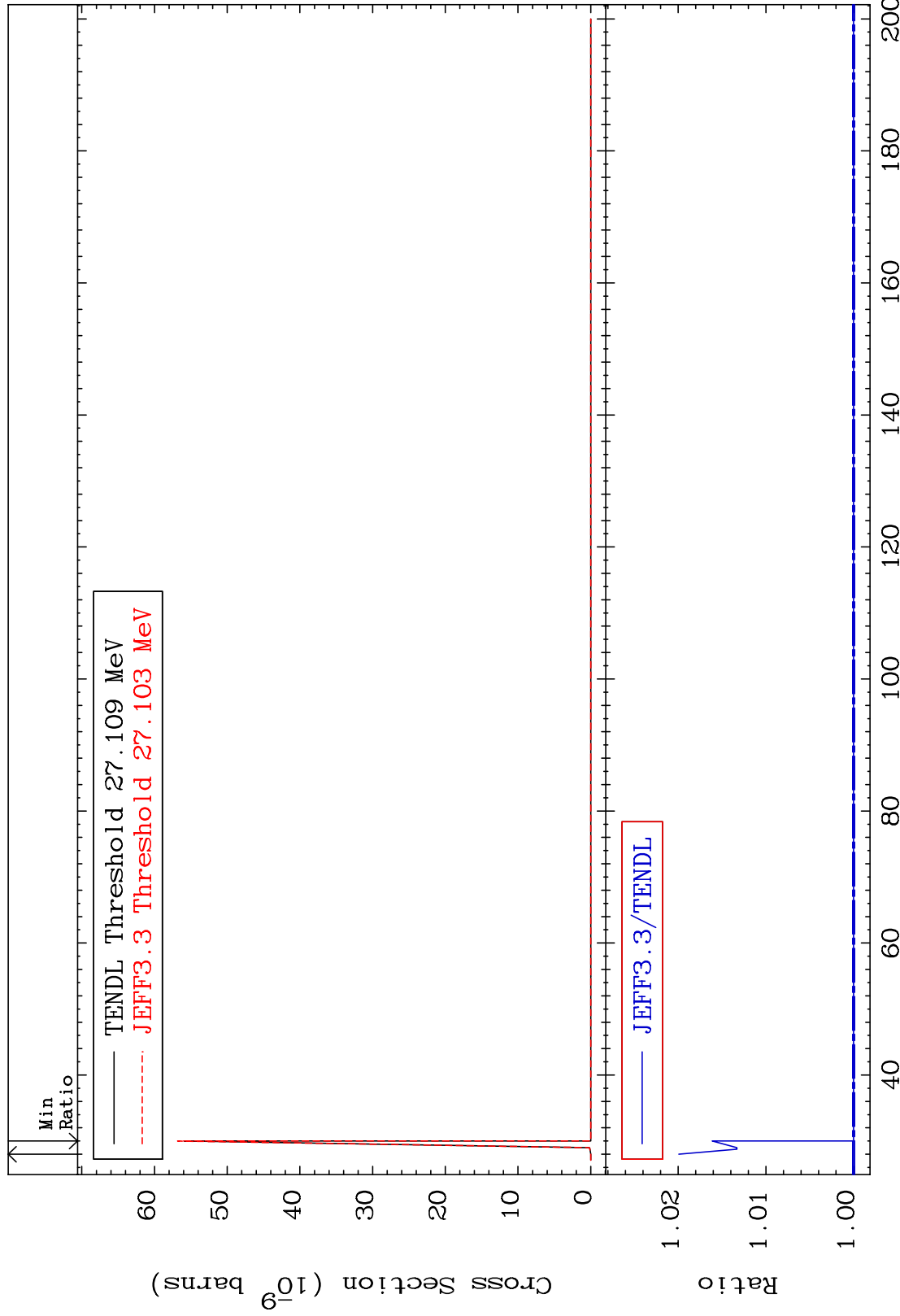
38-Sr-87

MAT 3834

(n,2n) d:37-Rb-84m2

38-Sr-87

Radionuclide Production Cross Section 0.000 To 1.992 %



80

Incident Energy (MeV)

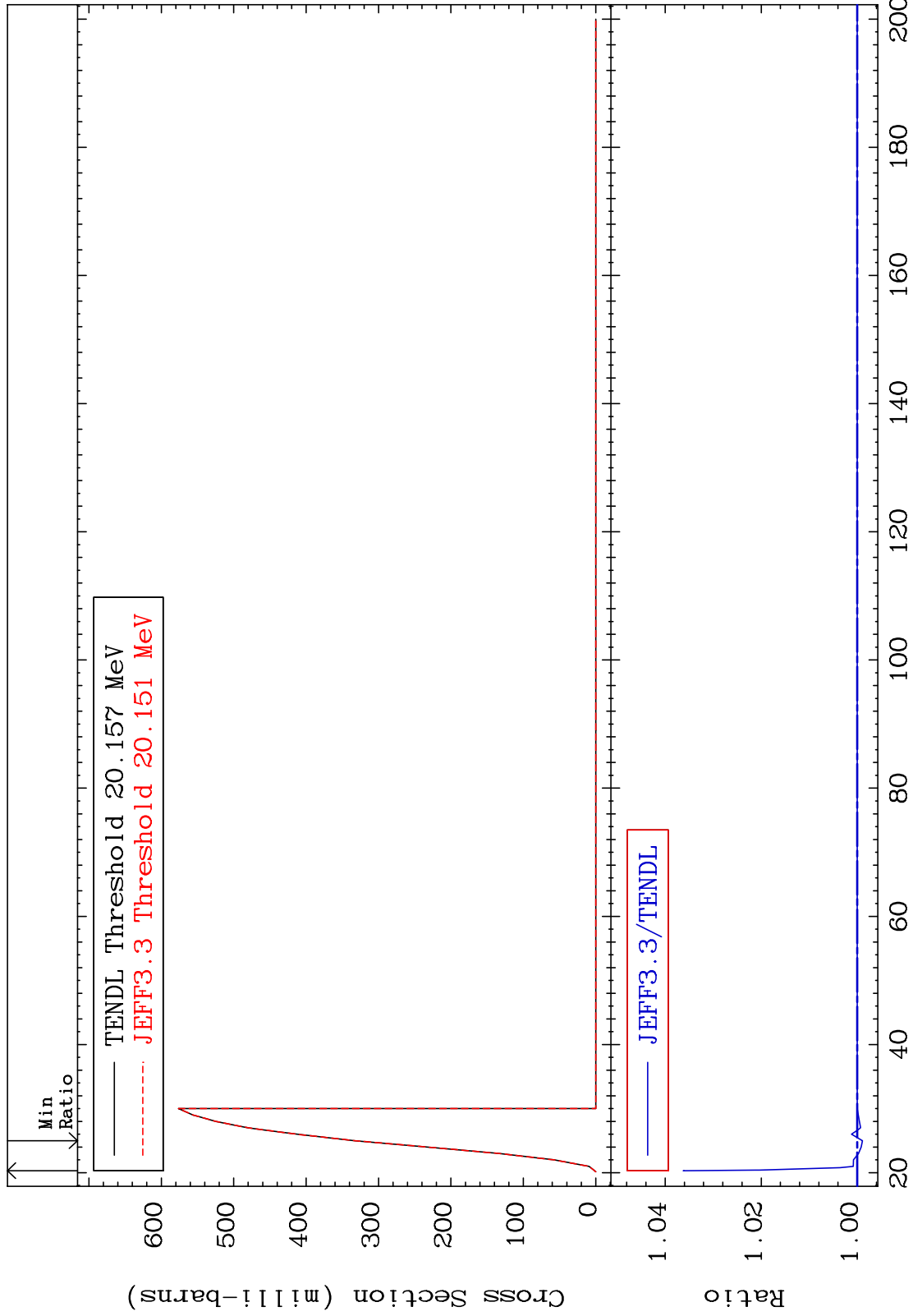
38-Sr-87

MAT 3834

(n,3n):38-Sr-85g

38-Sr-87

Radionuclide Production Cross Section -0.109 To 3.619 %



81

Incident Energy (MeV)

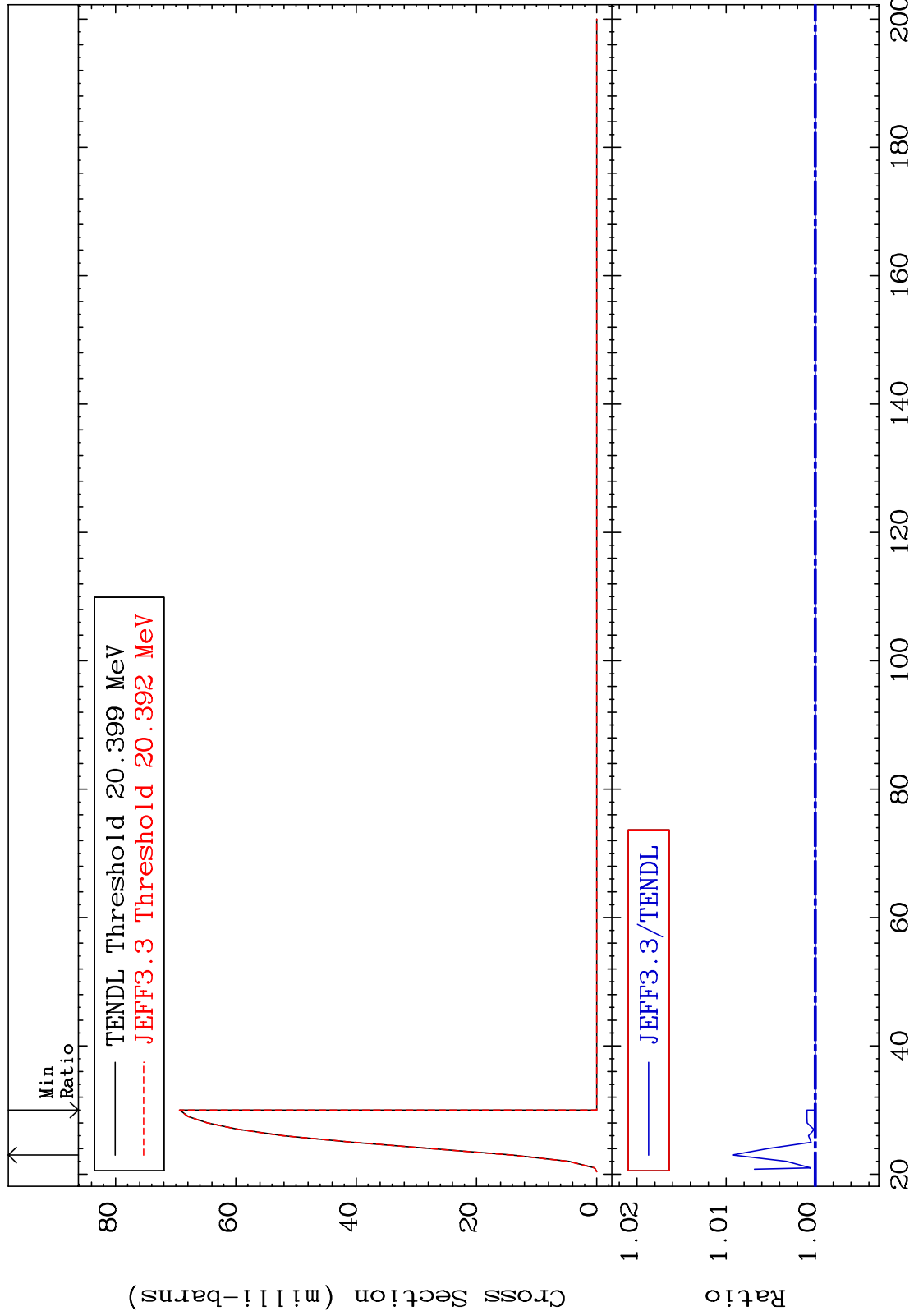
38-Sr-87

MAT 3834

(n,3n):38-Sr-85m2

38-Sr-87

Radionuclide Production Cross Section 0.000 To 0.929 %

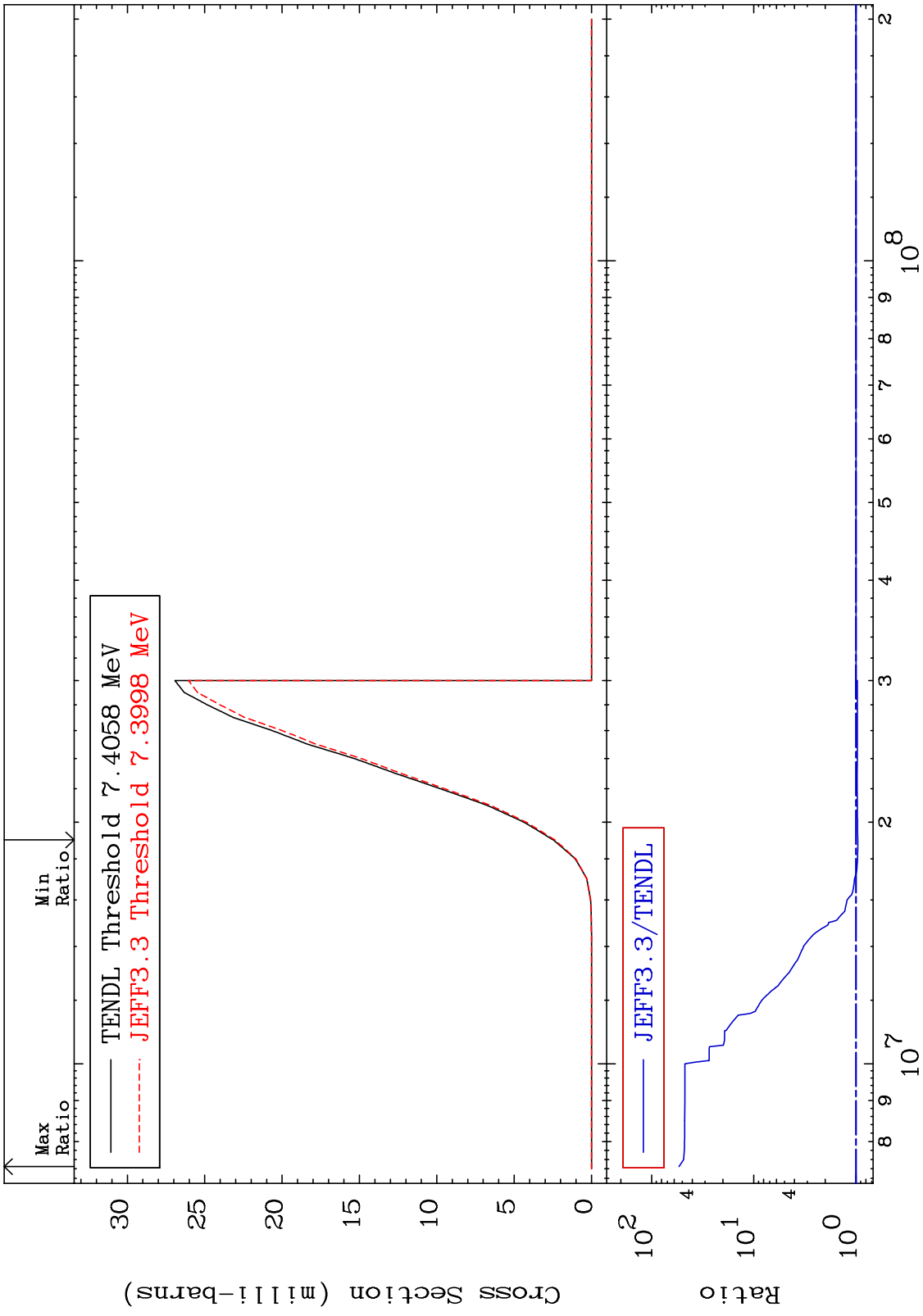


82

Incident Energy (MeV)

38-Sr-87

MAT 3834 (n, n')  $\alpha$ : 36-Kr-83g 38-Sr-87  
 Radionuclide Production Cross Section -4.160 To 5285. %

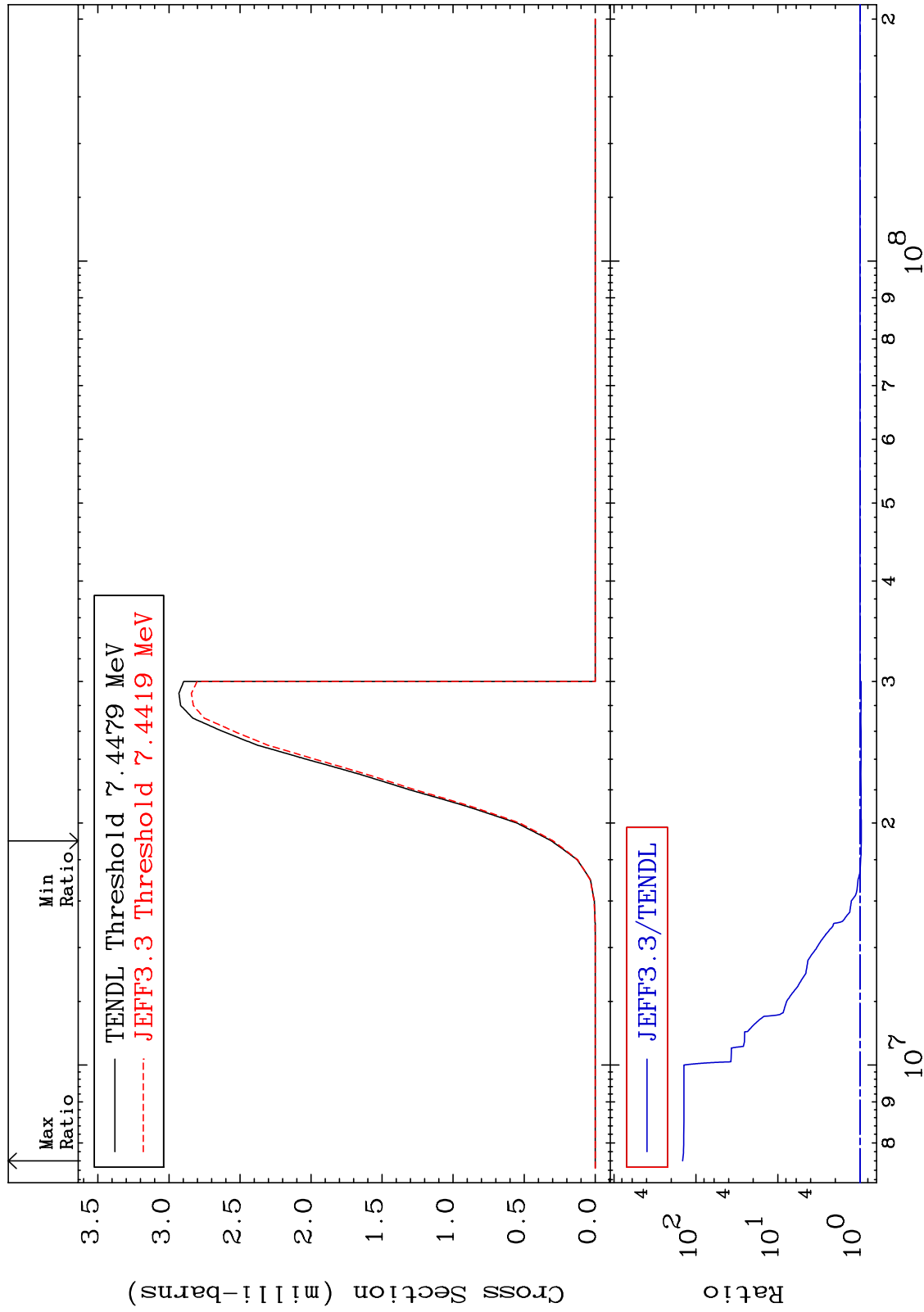


MAT 3834

(n, n')  $\alpha$ :36-Kr-83m2

38-Sr-87

Radionuclide Production Cross Section -3.953 To 9999. %

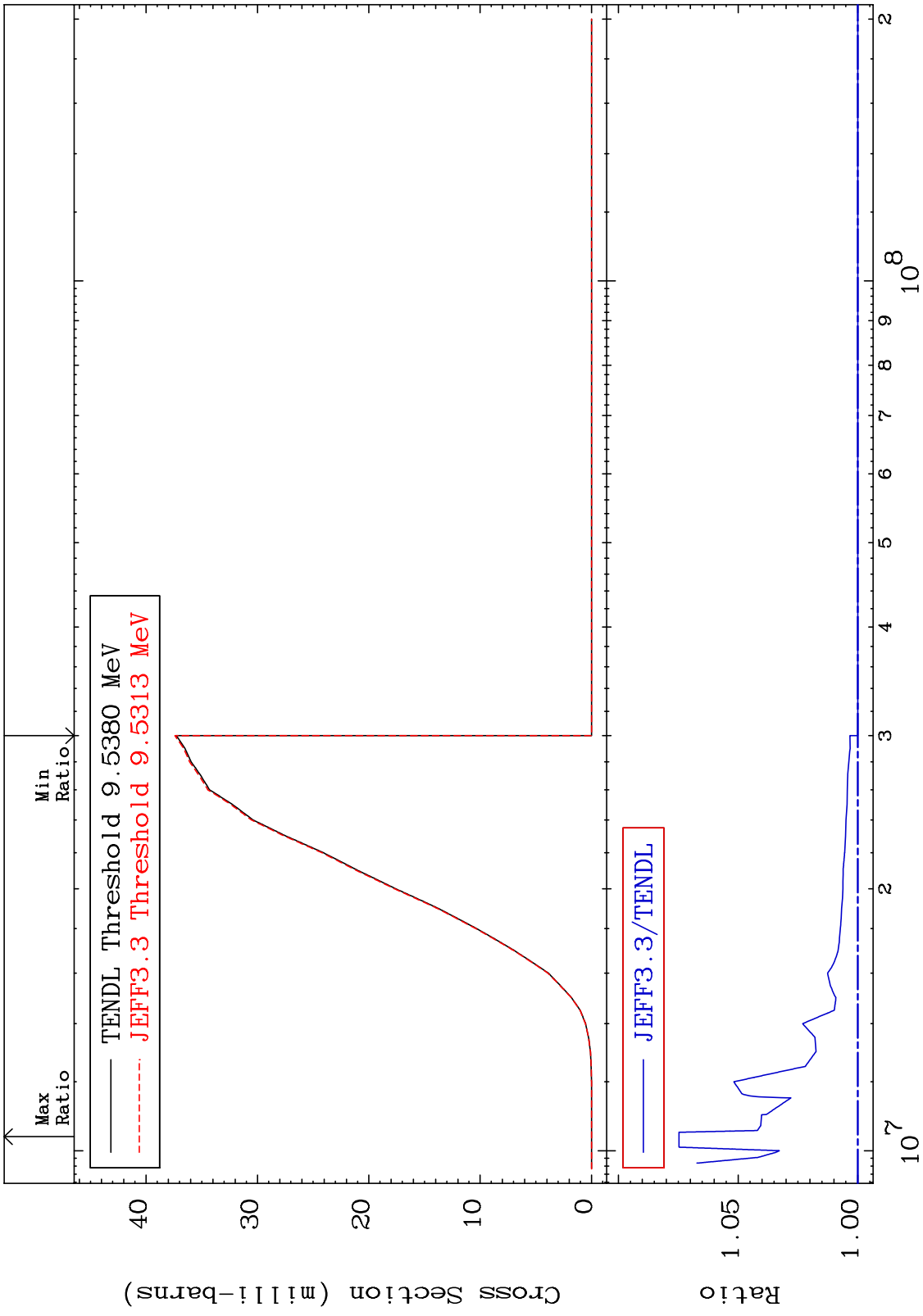


84

Incident Energy (eV)

38-Sr-87

MAT 3834 (n, n') p:37-Rb-86g 38-Sr-87  
 Radionuclide Production Cross Section 0.000 To 7.468 %



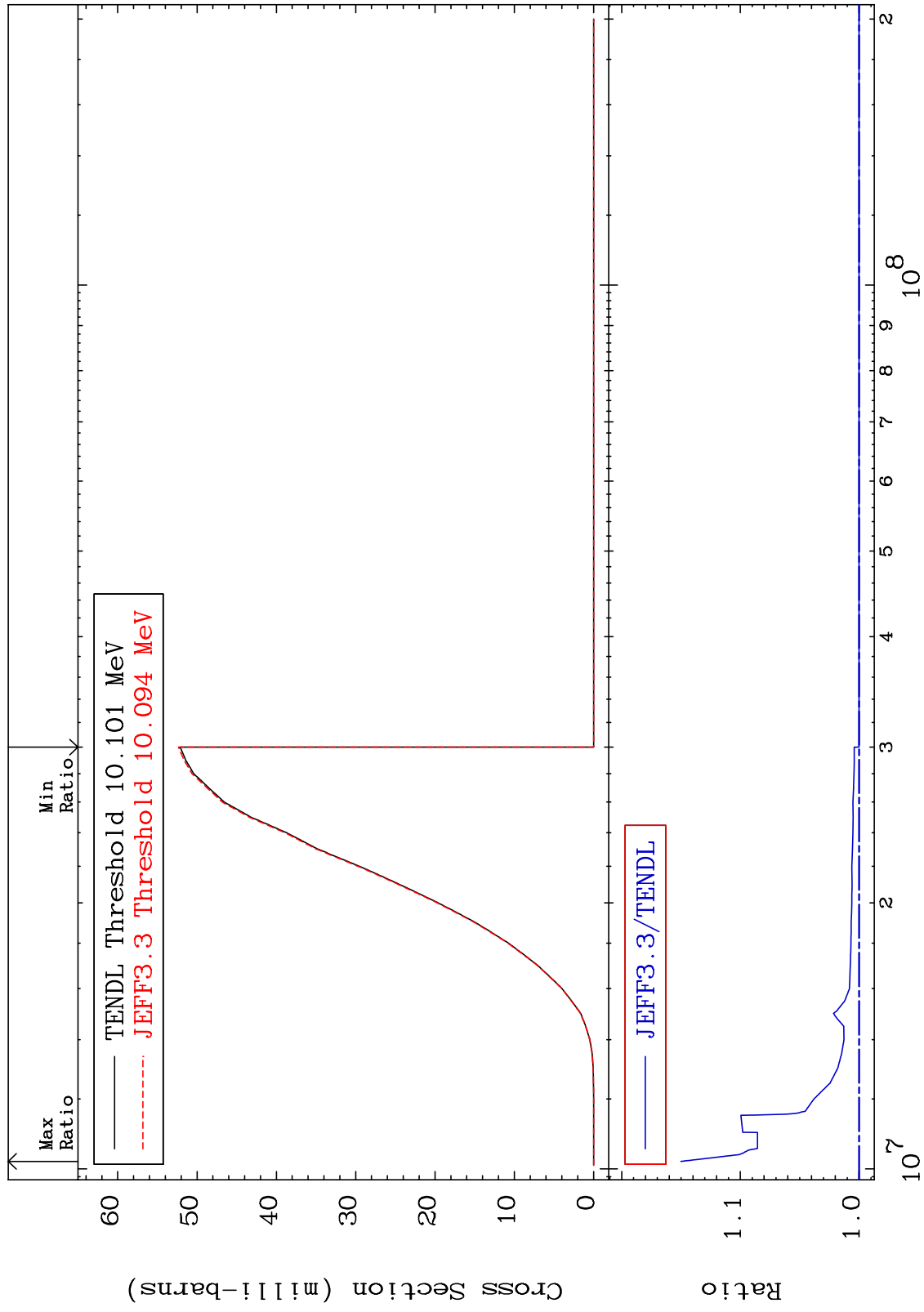
85 38-Sr-87

MAT 3834

(n, n') p:37-Rb-86m2

38-Sr-87

Radionuclide Production Cross Section 0.000 To 15.01 %



86

Incident Energy (eV)

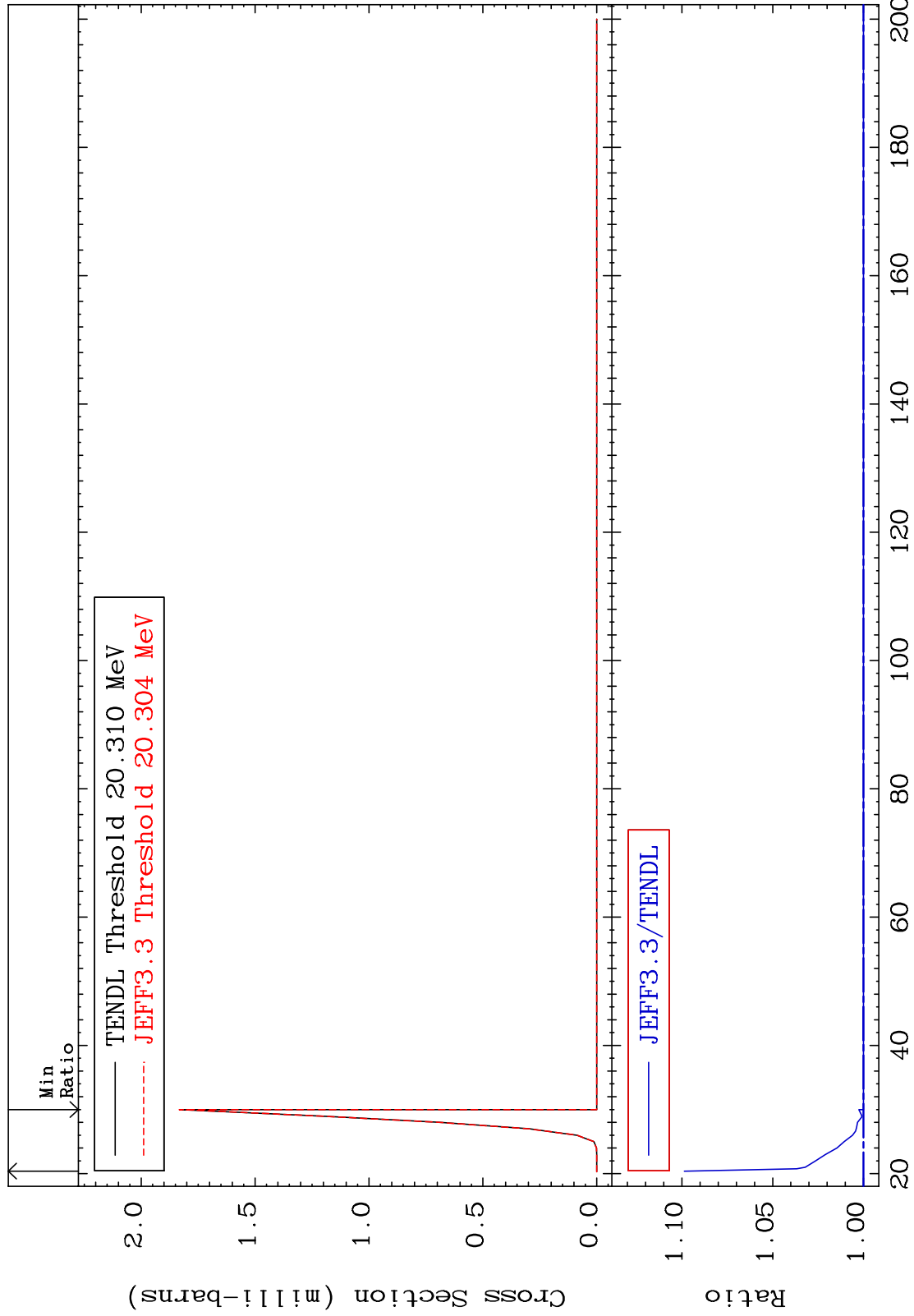
38-Sr-87

MAT 3834

(n, n') t: 37-Rb-84g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 9.861 %



87

Incident Energy (MeV)

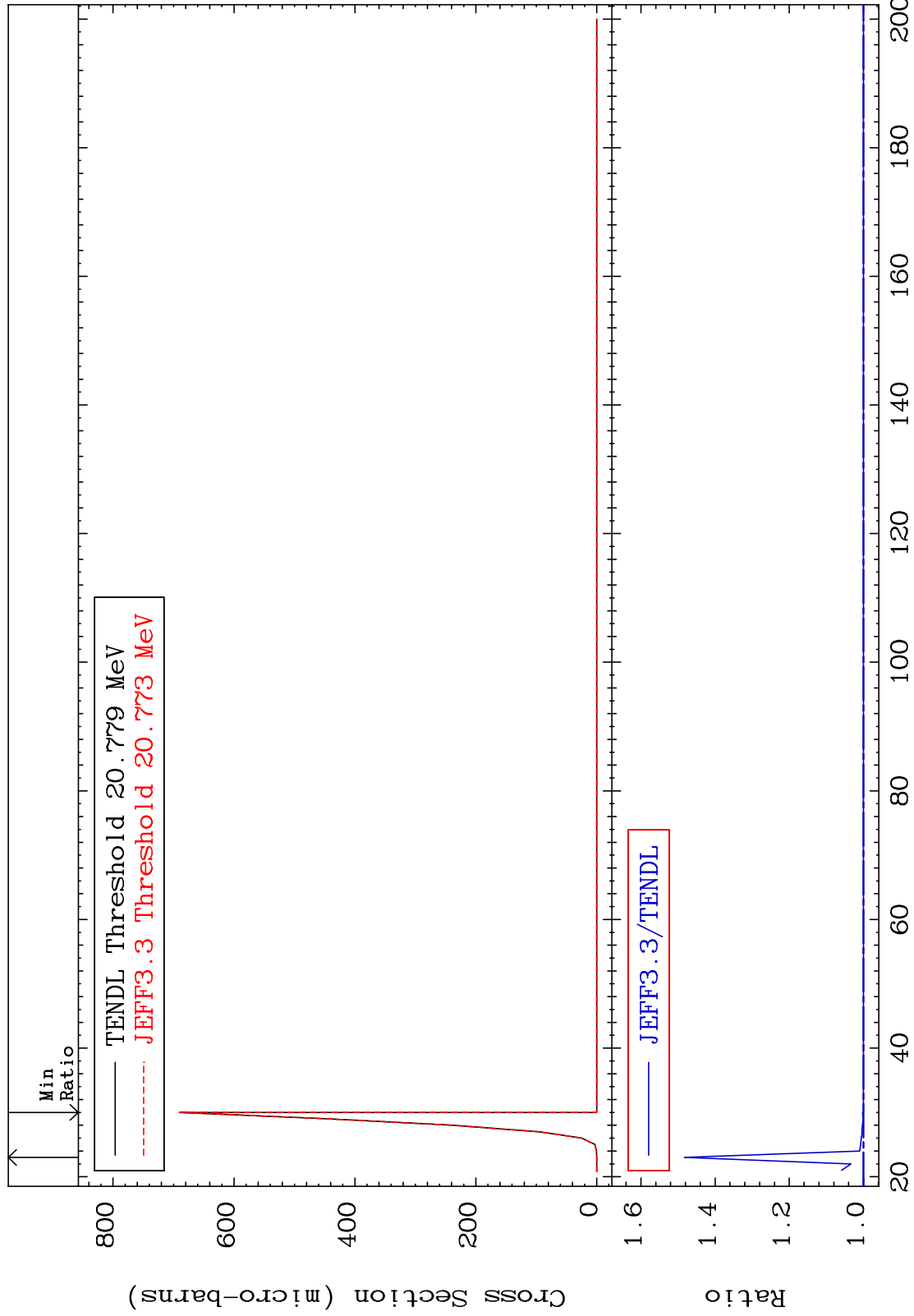
38-Sr-87

MAT 3834

(n, n') t:37-Rb-84m2

38-Sr-87

Radionuclide Production Cross Section 0.000 To 48.29 %



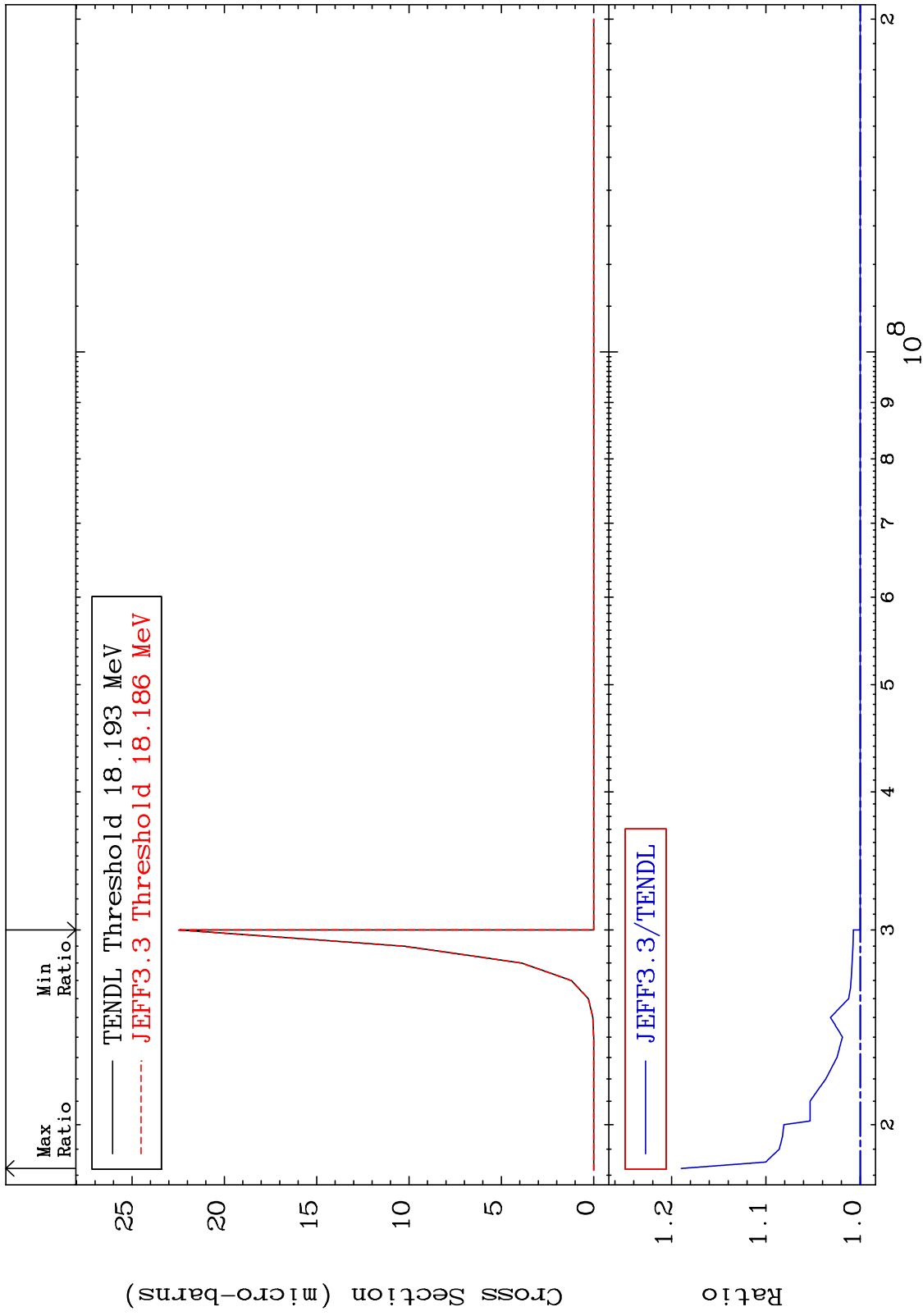
88

Incident Energy (MeV)

38-Sr-87

MAT 3834

(n,2n) p:36-Kr-85g 38-Sr-87  
Radionuclide Production Cross Section 0.000 To 18.97 %

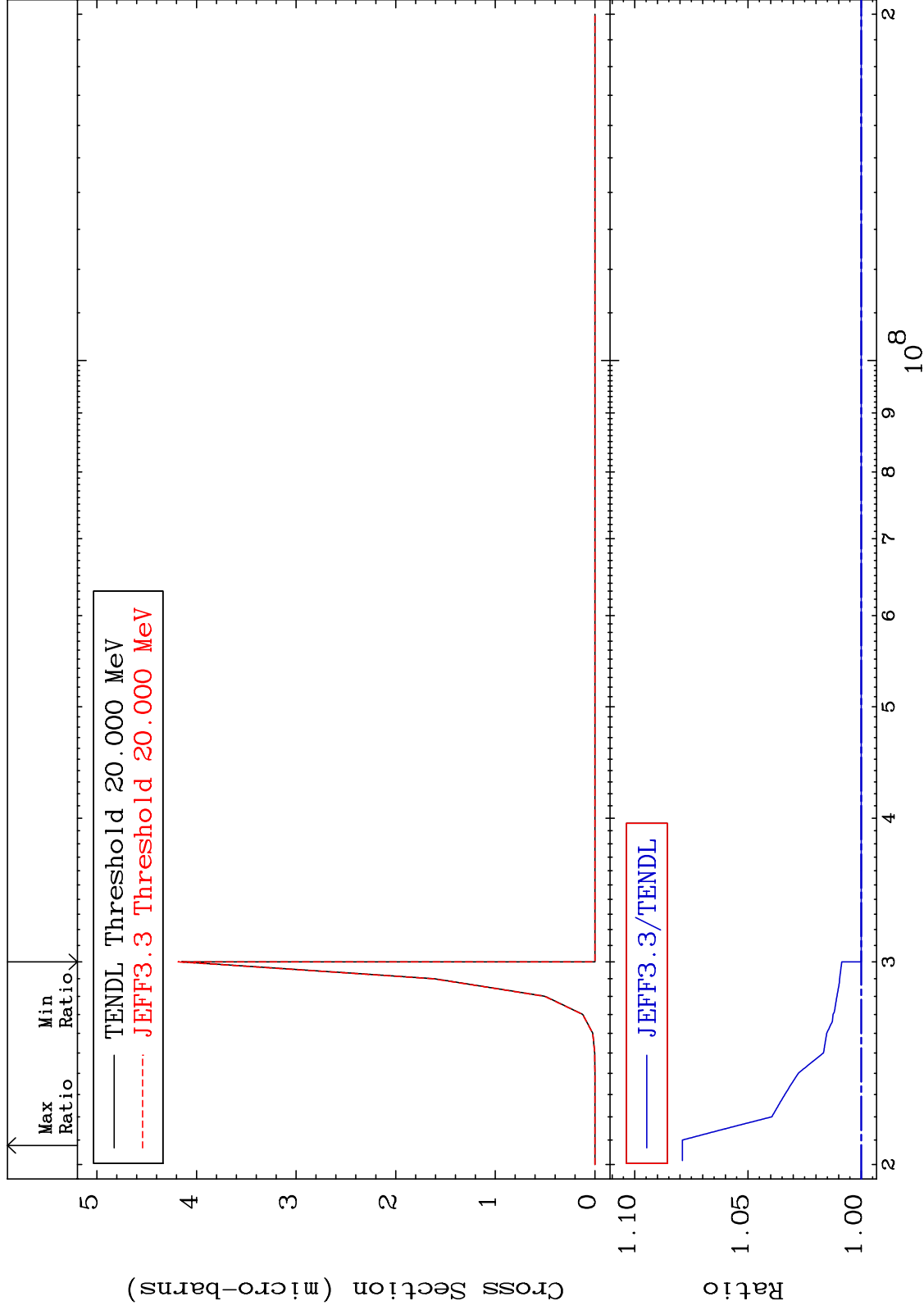


MAT 3834

(n,2n) p:36-Kr-85m1

38-Sr-87

Radionuclide Production Cross Section 0.000 To 7.895 %

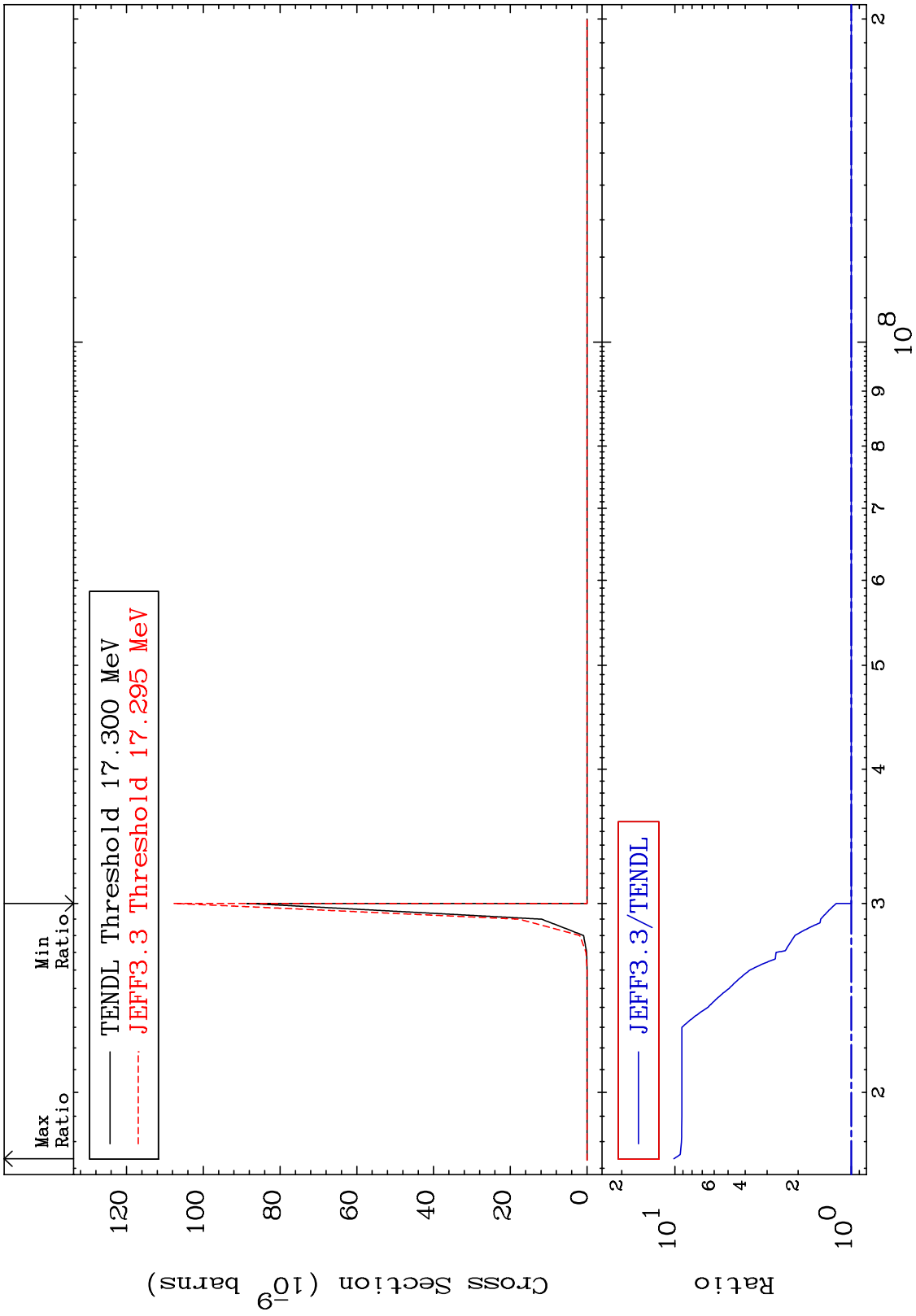


90

Incident Energy (eV)

38-Sr-87

MAT 3834 (n,n') p α:35-Br-82g 38-Sr-87  
 Radionuclide Production Cross Section 0.000 To 913.9 %

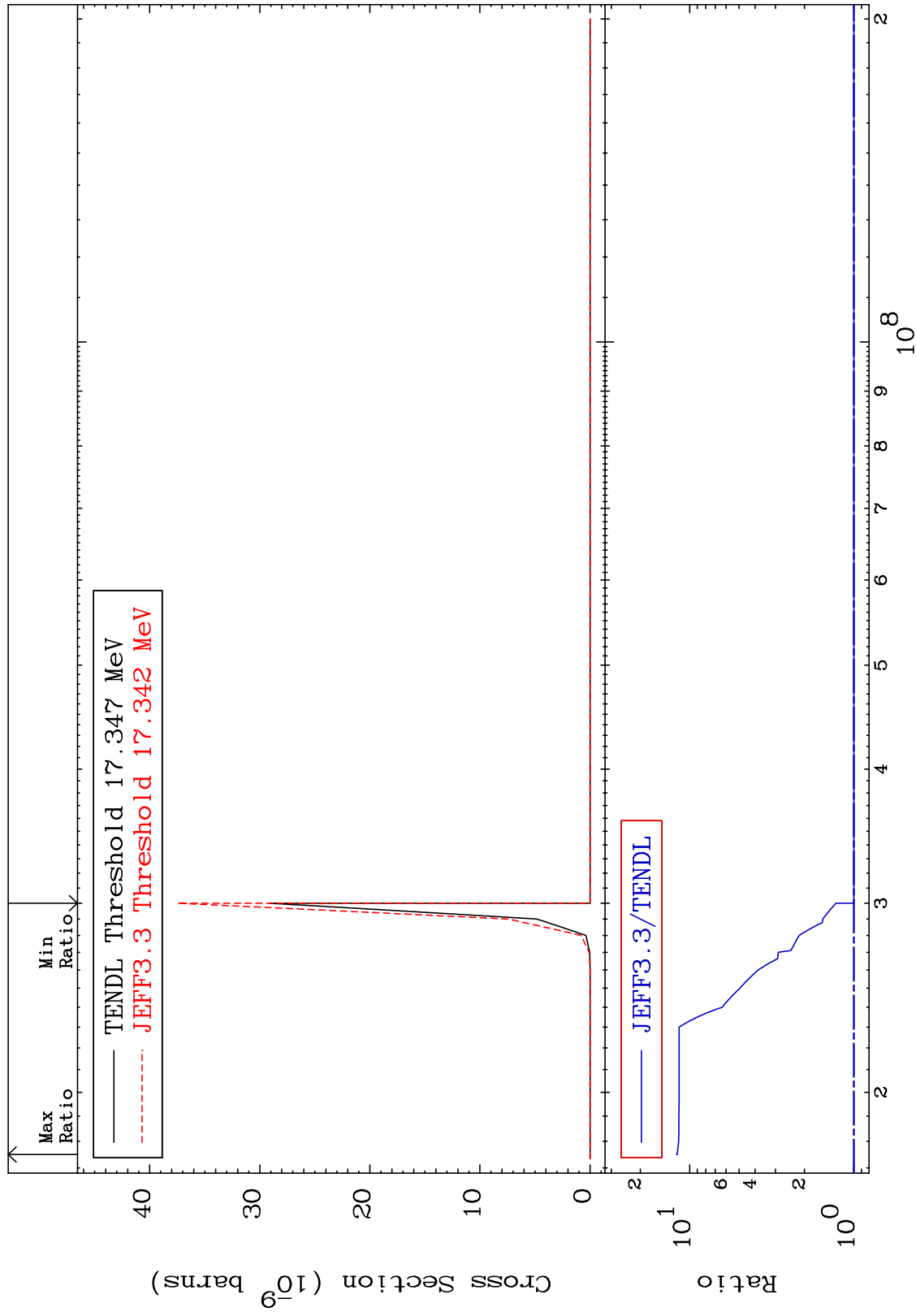


MAT 3834

(n,n') p  $\alpha$ :35-Br-82m1

38-Sr-87

Radionuclide Production Cross Section 0.000 To 1099. %

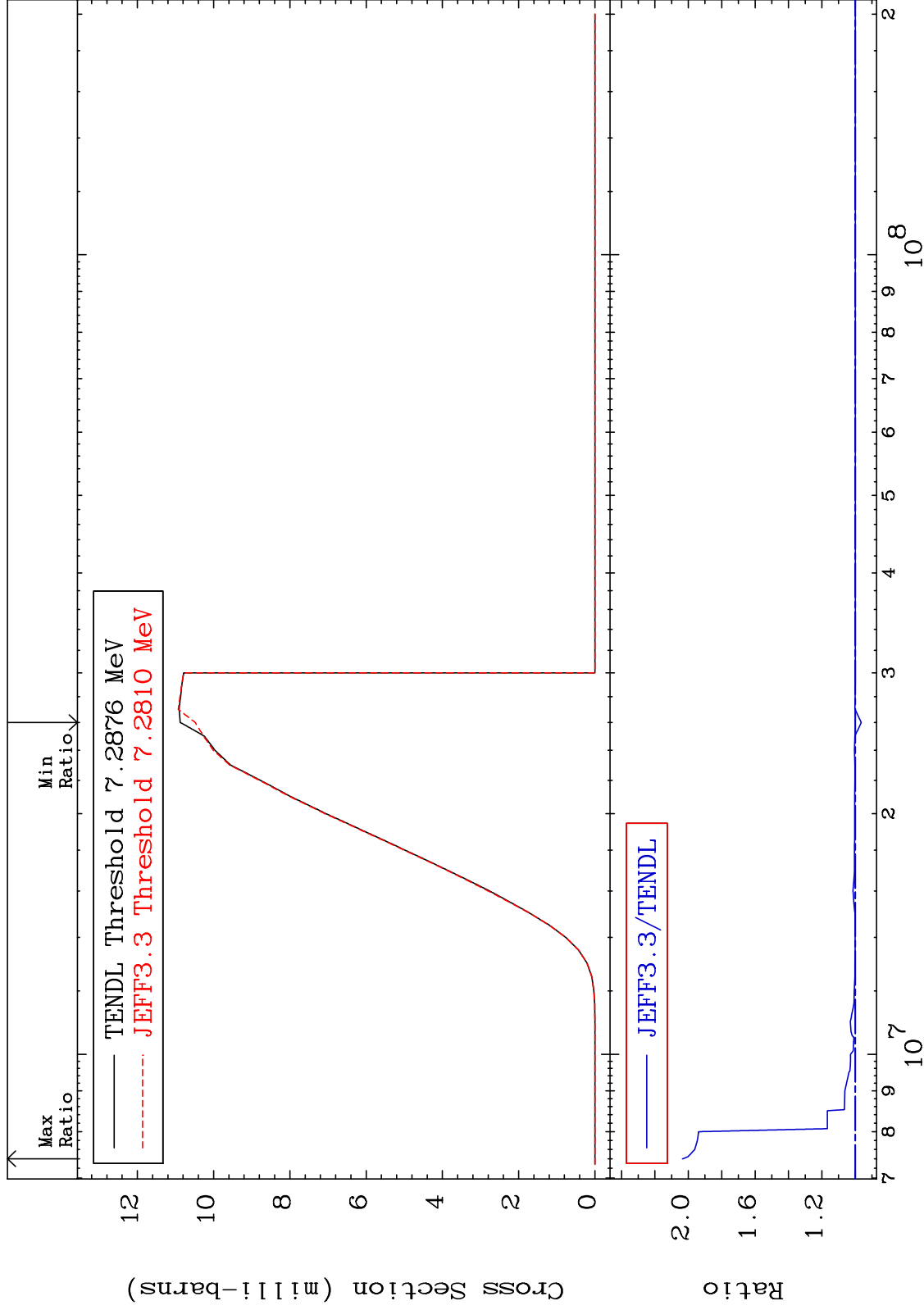


MAT 3834

(n, d) : 37-Rb-86g

38-Sr-87

Radionuclide Production Cross Section -3.589 To 103.5 %

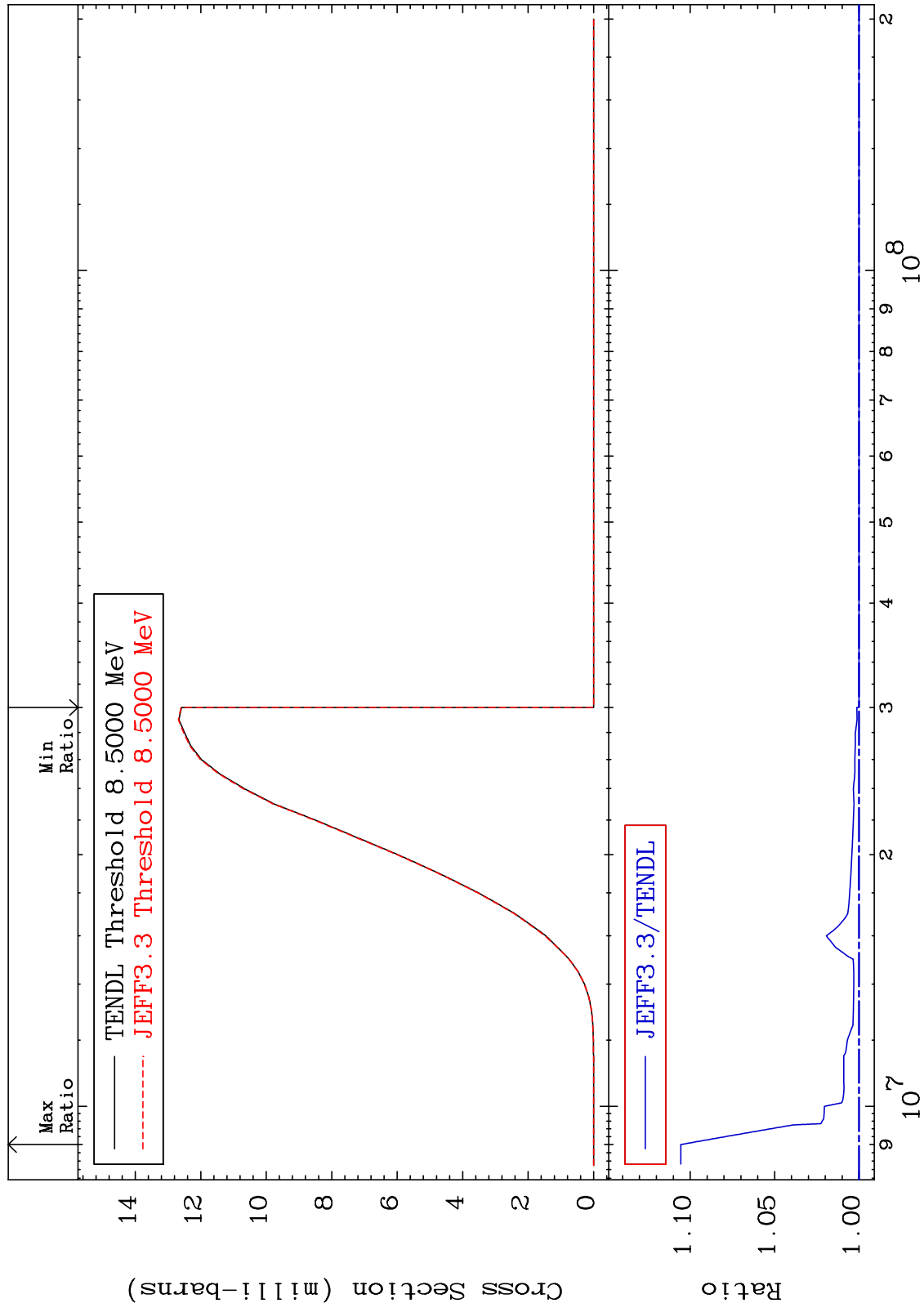


93

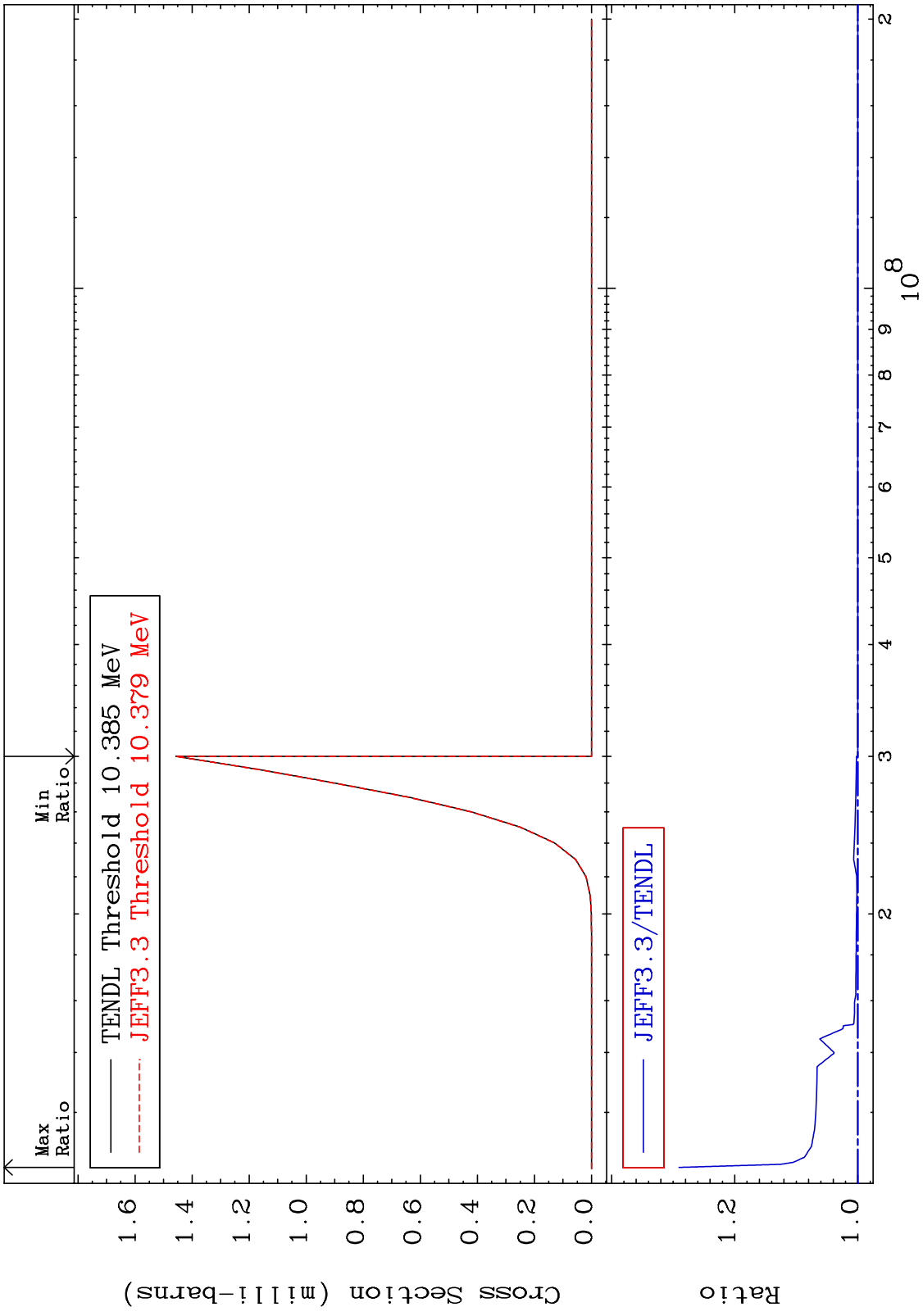
Incident Energy (eV)

38-Sr-87

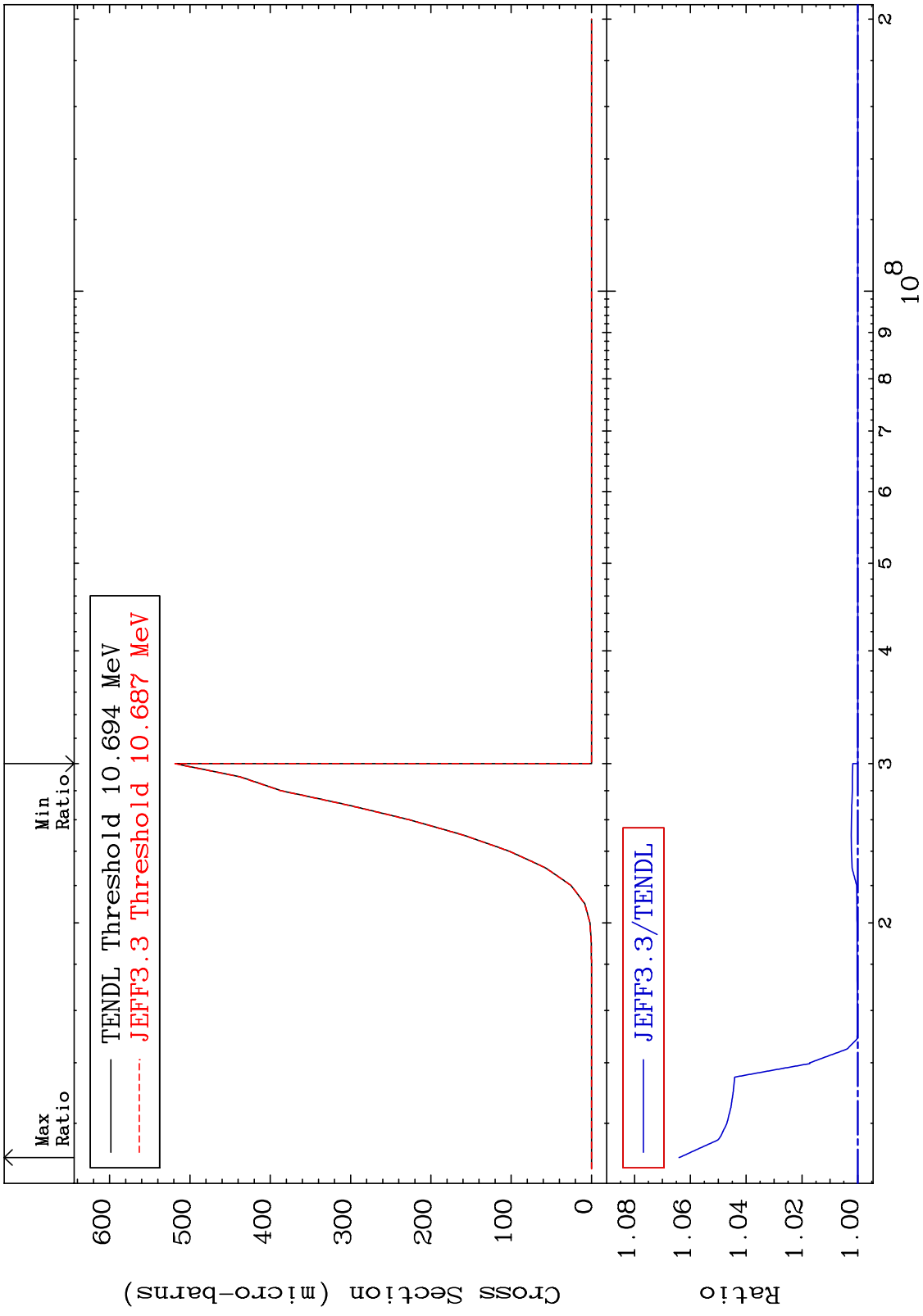
MAT 3834 (n,d):37-Rb-86m2 38-Sr-87  
Radionuclide Production Cross Section 0.000 To 10.55 %



MAT 3834 (n,He-3):36-Kr-85g 38-Sr-87  
 Radionuclide Production Cross Section 0.000 To 29.04 %



MAT 3834 (n, He-3) : 36-Kr-85m1 38-Sr-87  
 Radionuclide Production Cross Section 0.000 To 6.405 %

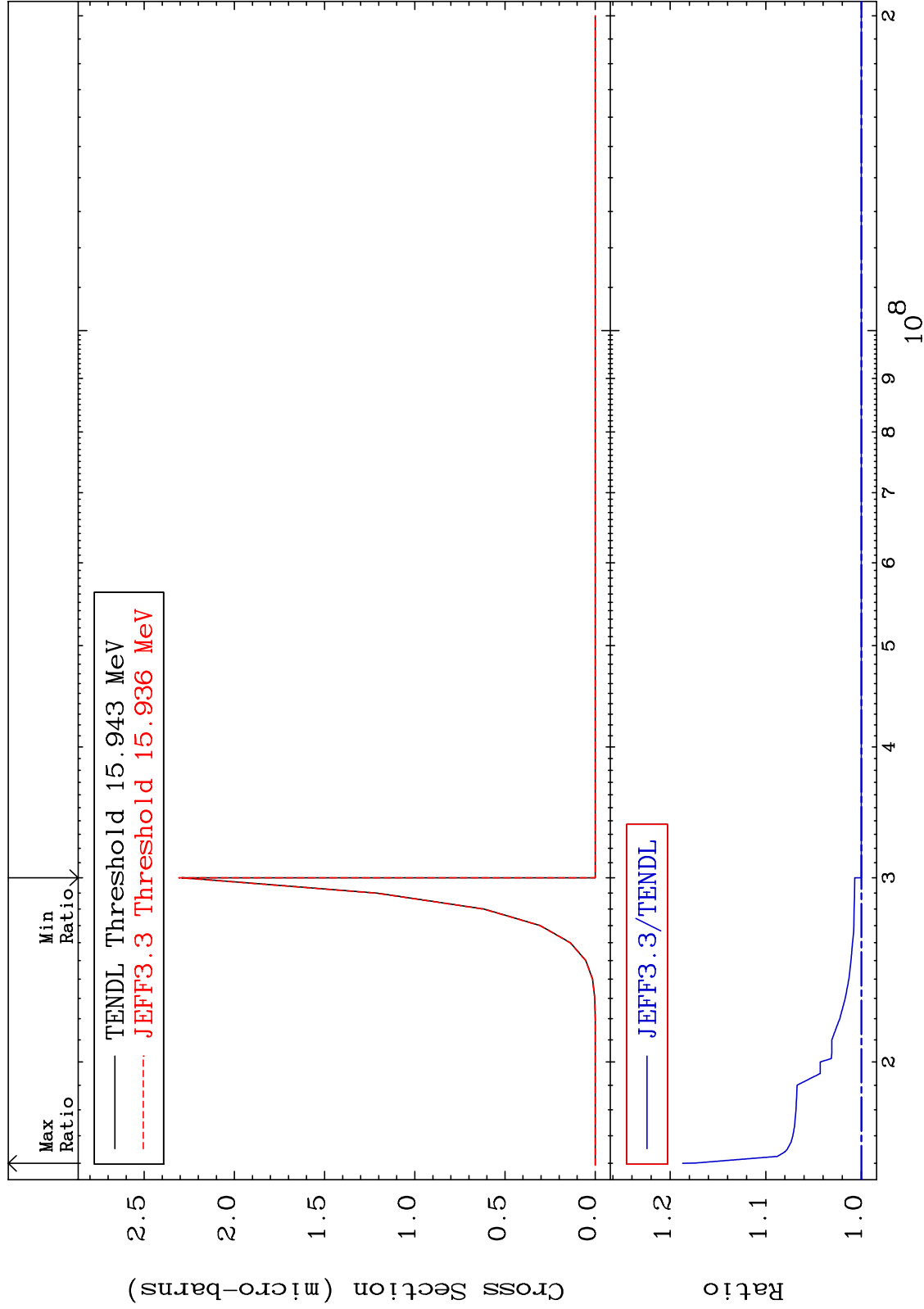


MAT 3834

(n, p) d:36-Kr-85g

38-Sr-87

Radionuclide Production Cross Section 0.000 To 18.70 %

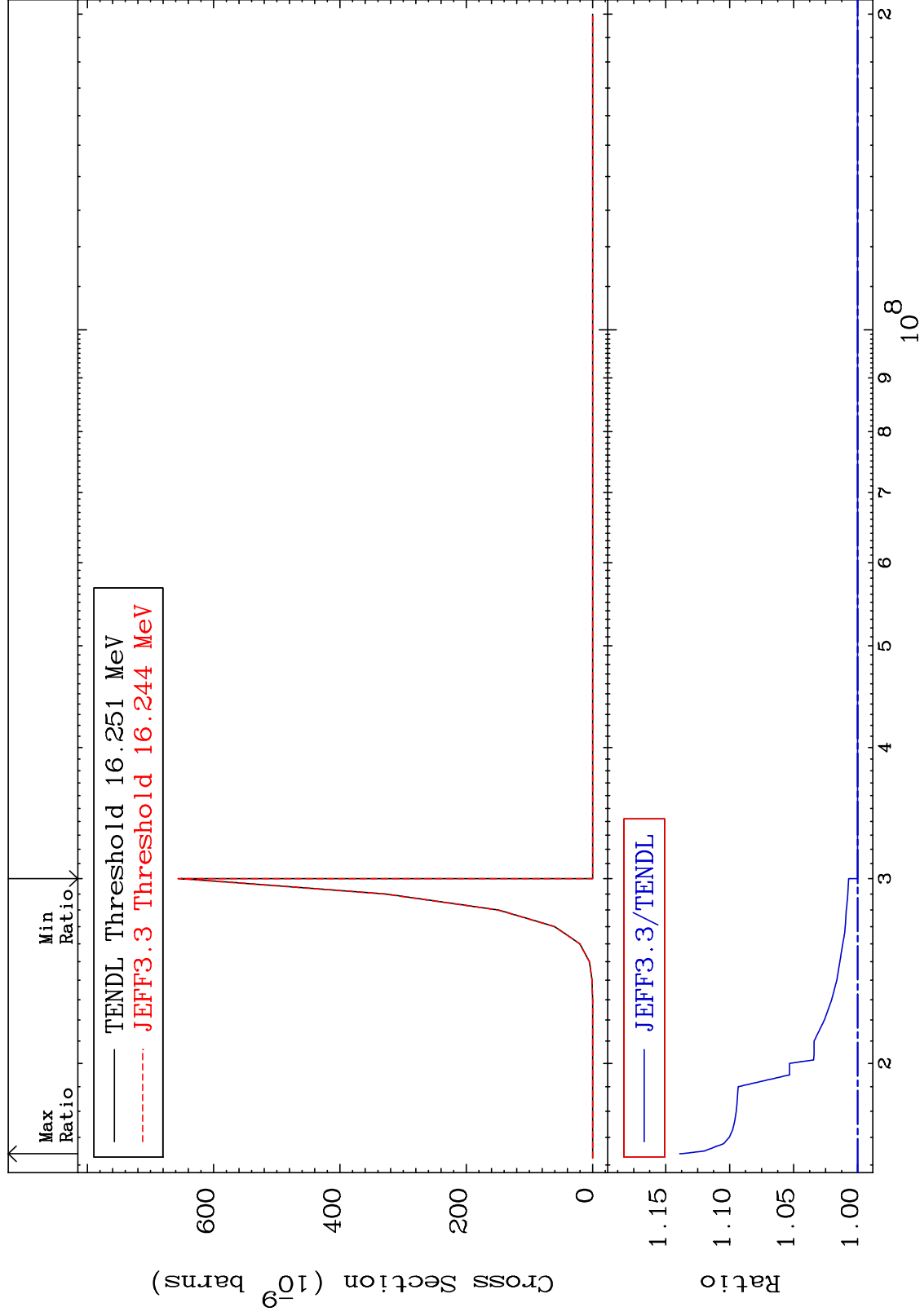


MAT 3834

(n,p) d:36-Kr-85m1

38-Sr-87

Radionuclide Production Cross Section 0.000 To 13.90 %

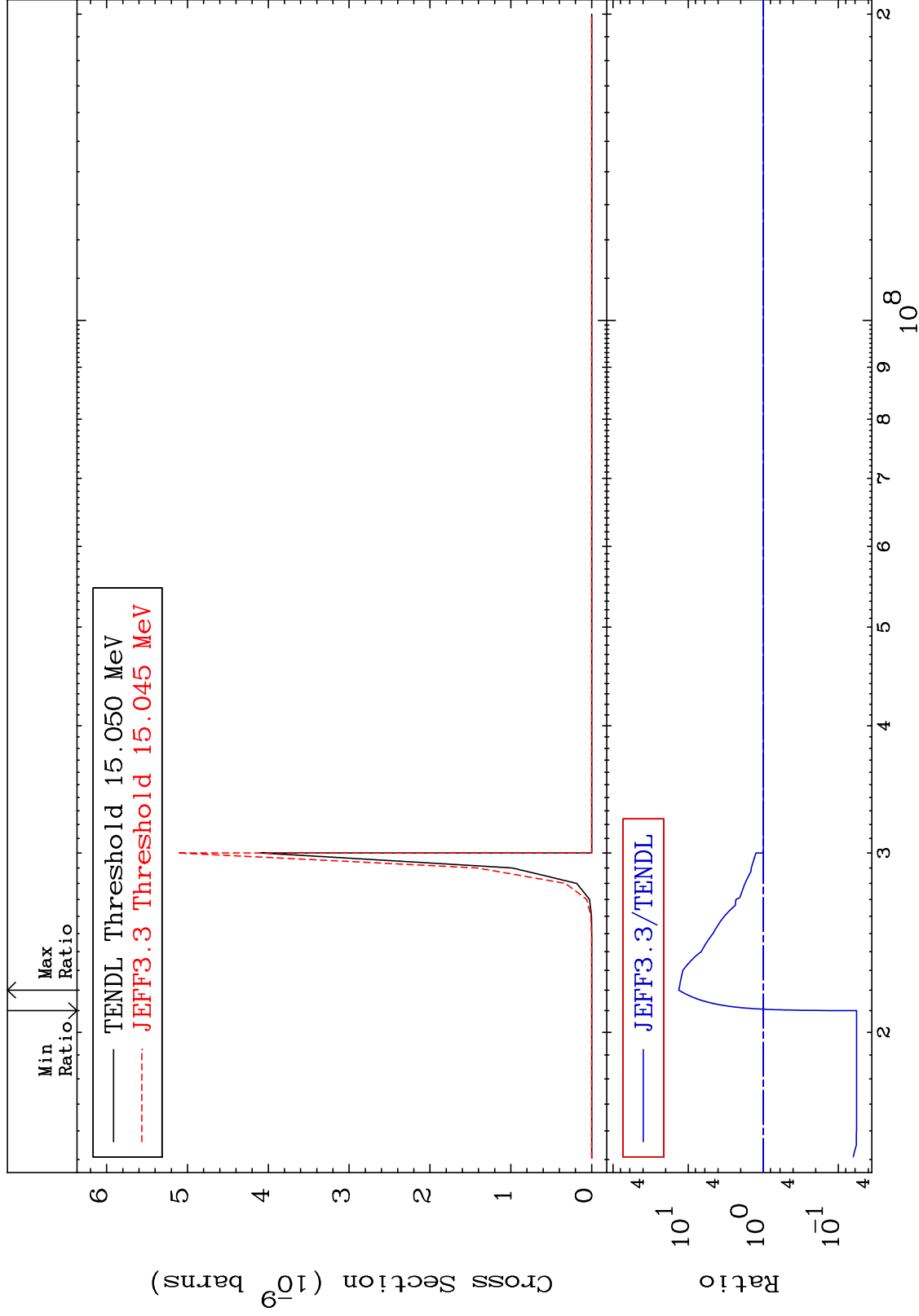


MAT 3834

(n,d)  $\alpha$ :35-Br-82g

38-Sr-87

Radionuclide Production Cross Section -94.28 To 1234. %

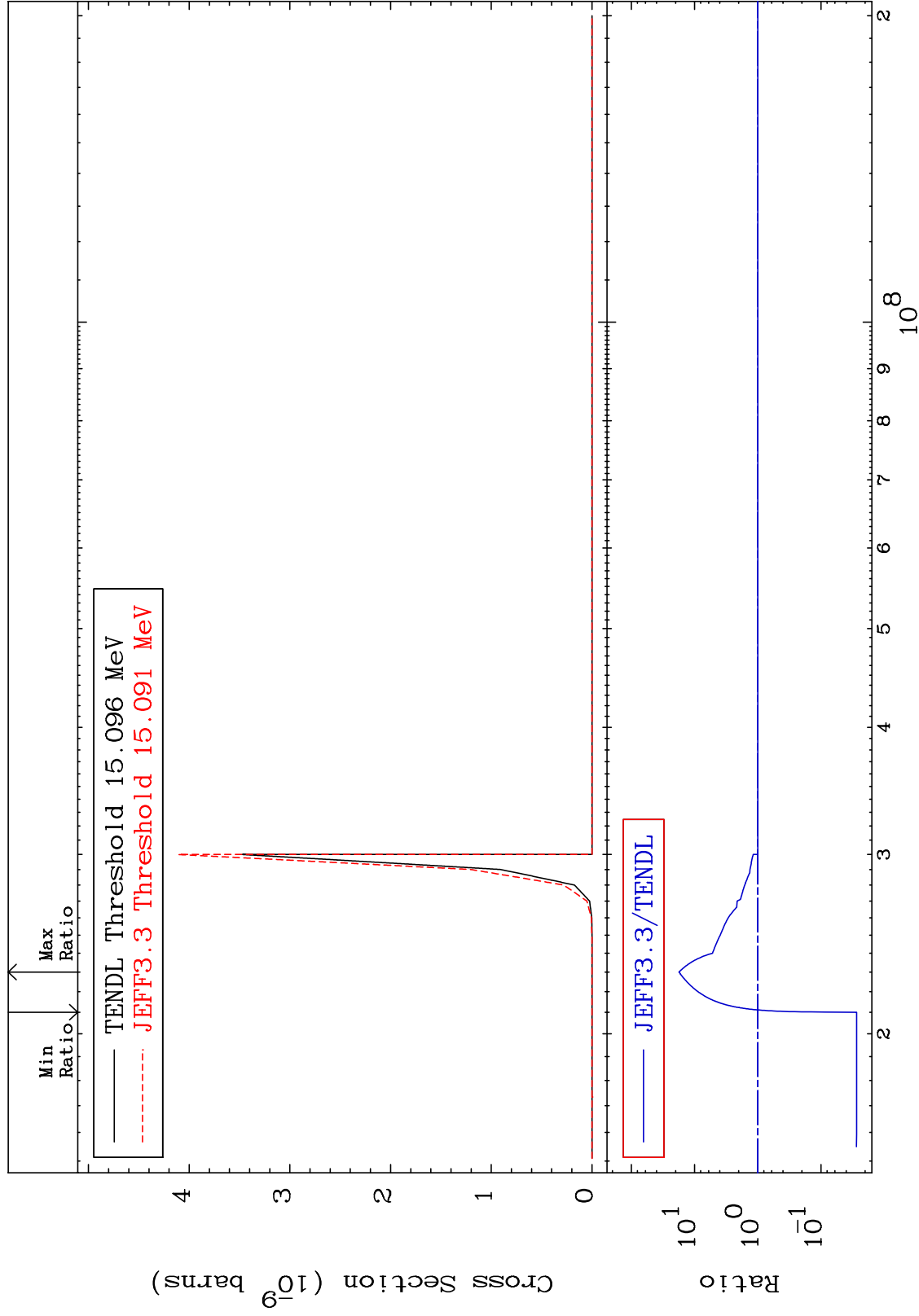


MAT 3834

(n, d)  $\alpha$ :35-Br-82m1

38-Sr-87

Radionuclide Production Cross Section -97.28 To 1665. %



100

Incident Energy (eV)

38-Sr-87