

Program Complot  
(Version 2018-1)

by

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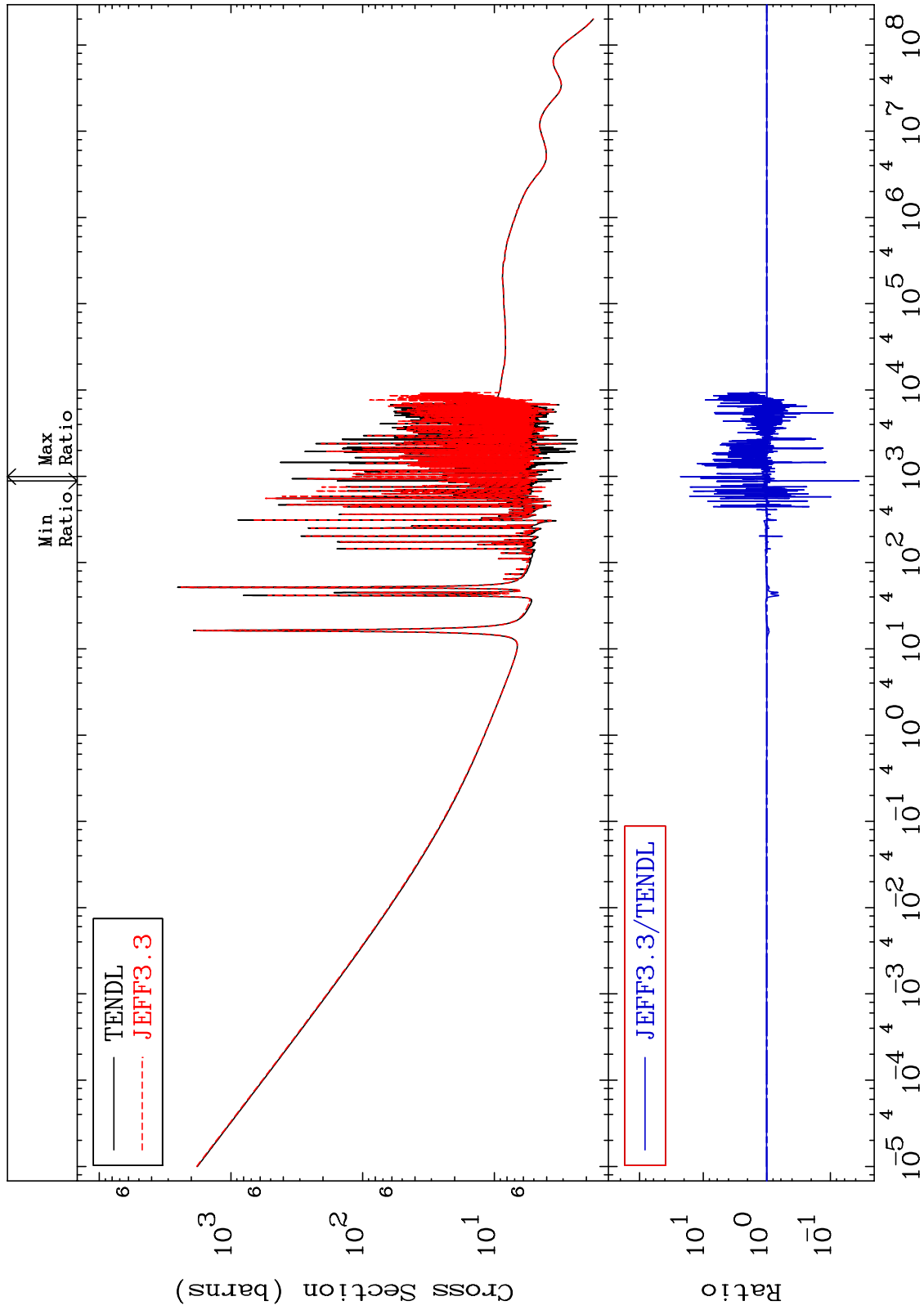
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4725

Total  
Cross Section

47-Ag-107  
-96.44 To 2158. %



1

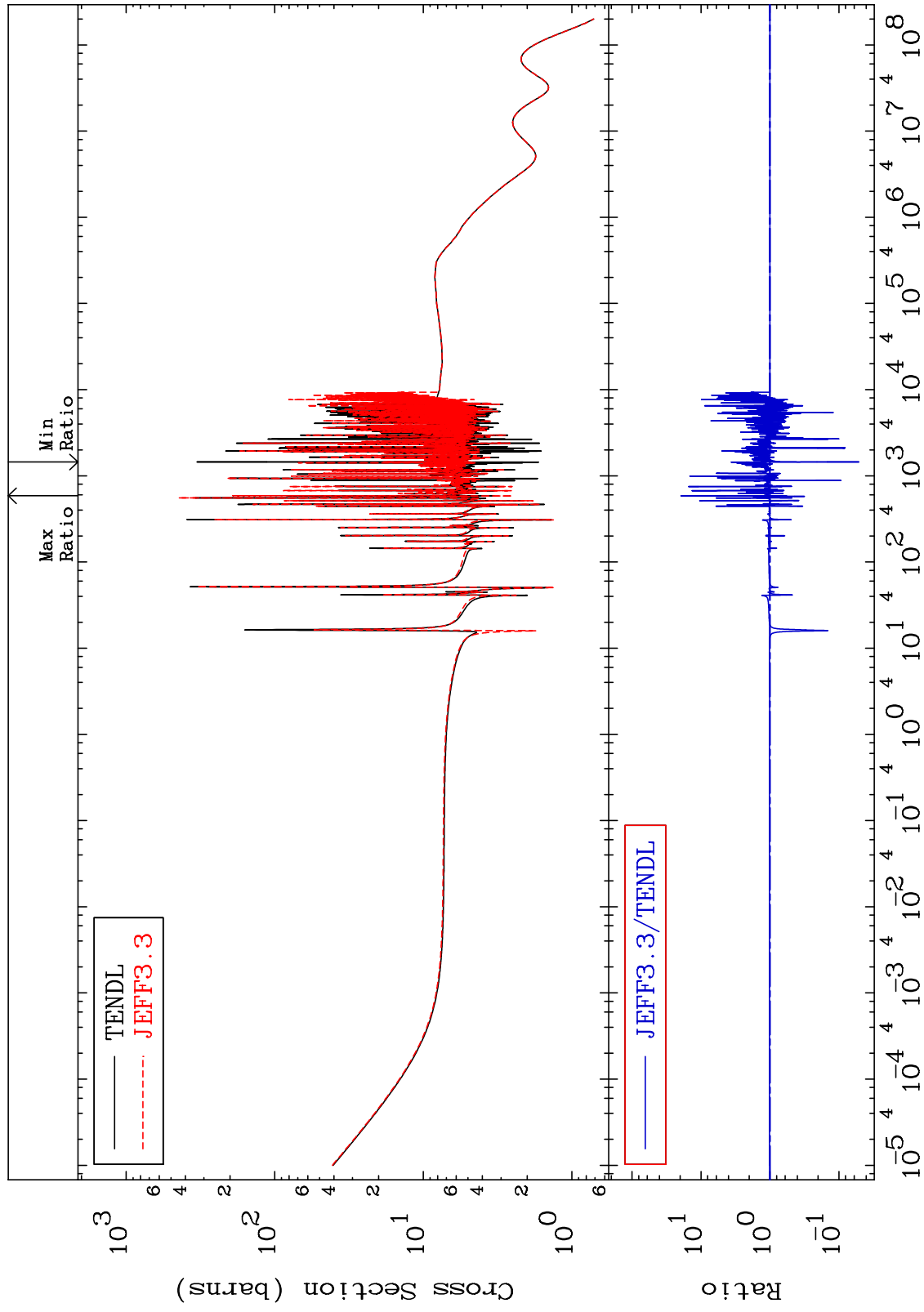
Incident Energy (eV)

47-Ag-107

MAT 4725

Elastic  
Cross Section

47-Ag-107  
-94.91 To 1857. %

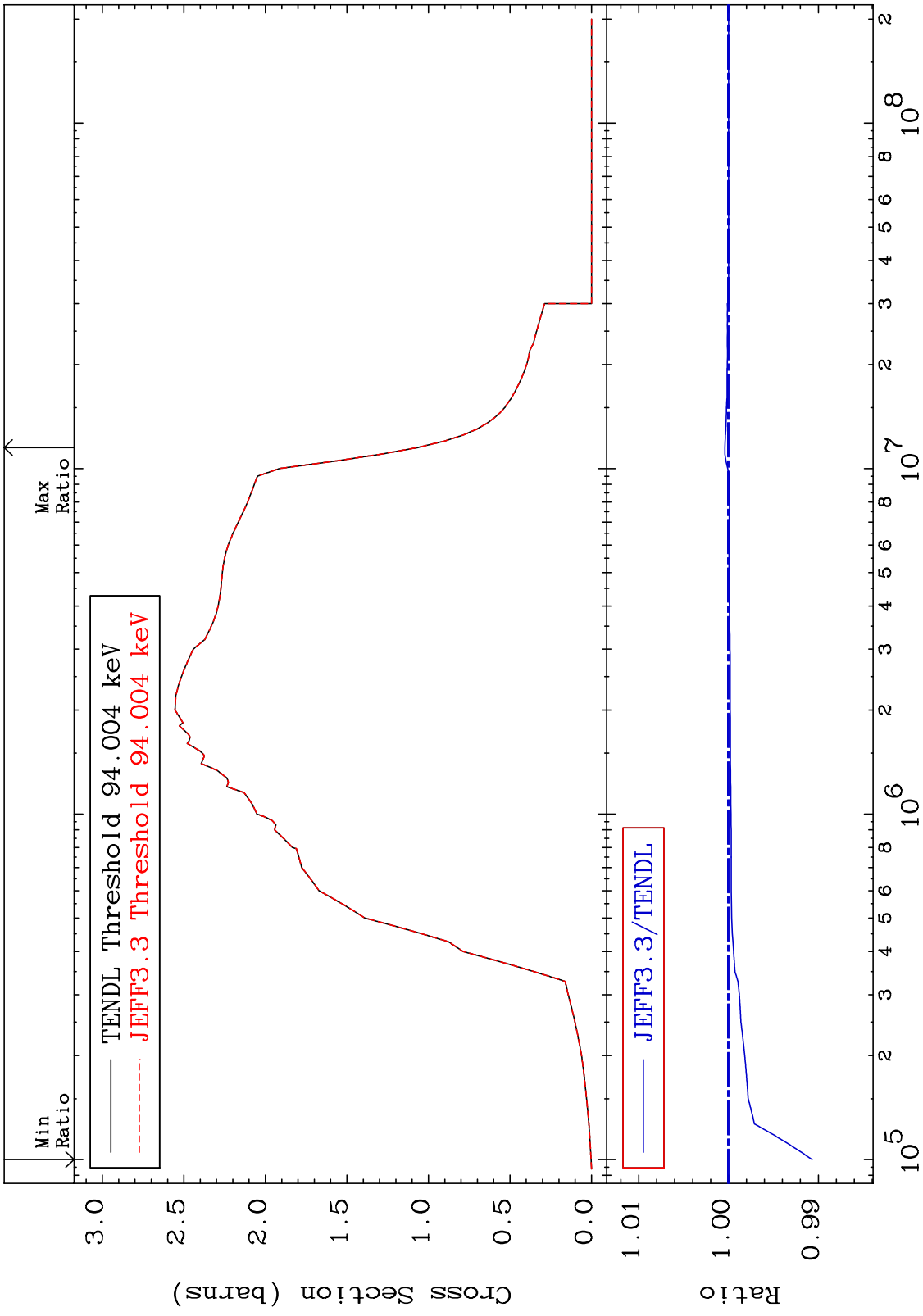


2

Incident Energy (eV)

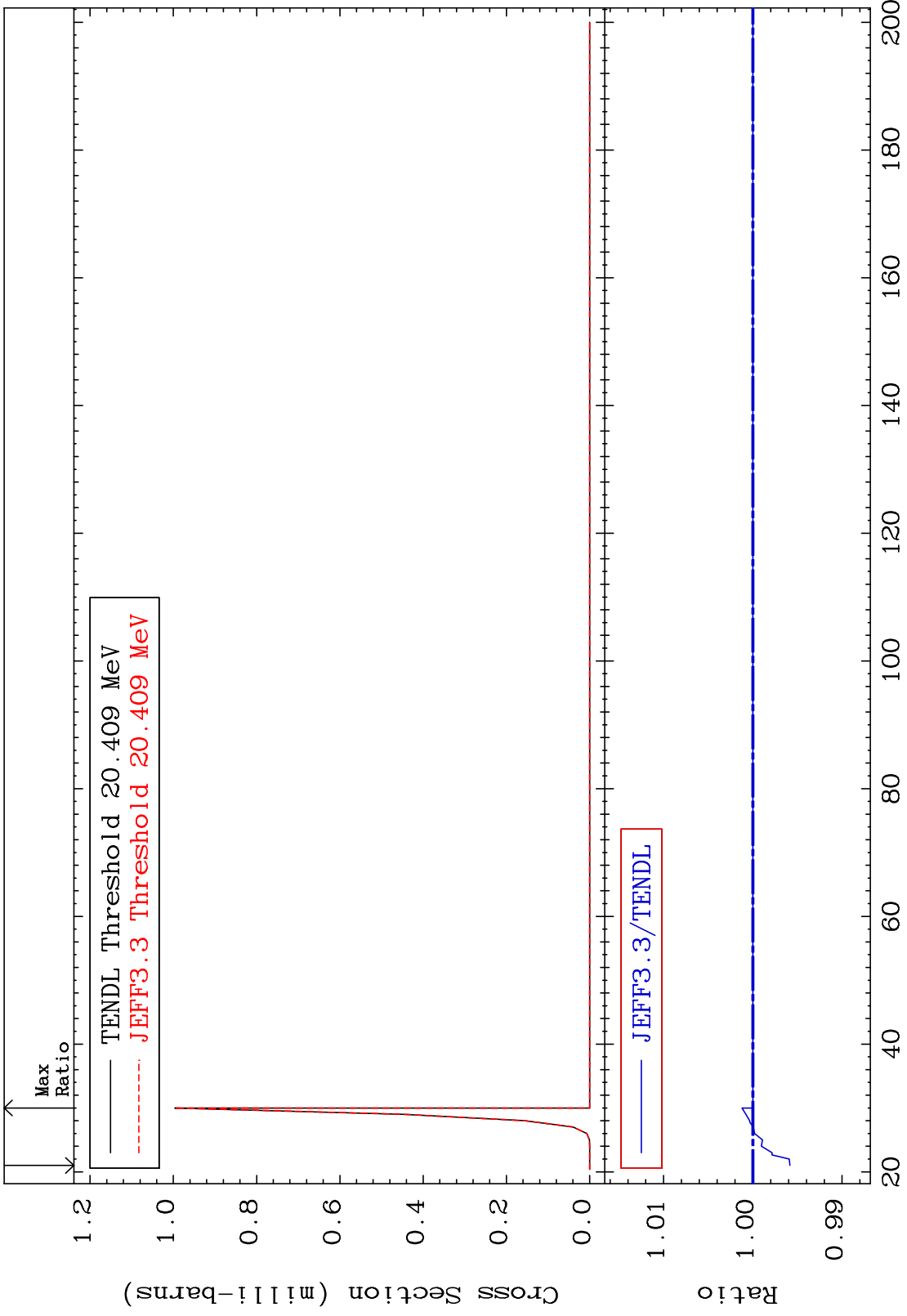
47-Ag-107

MAT 4725 Inelastic Cross Section 47-Ag-107 -0.930 To 0.041 %

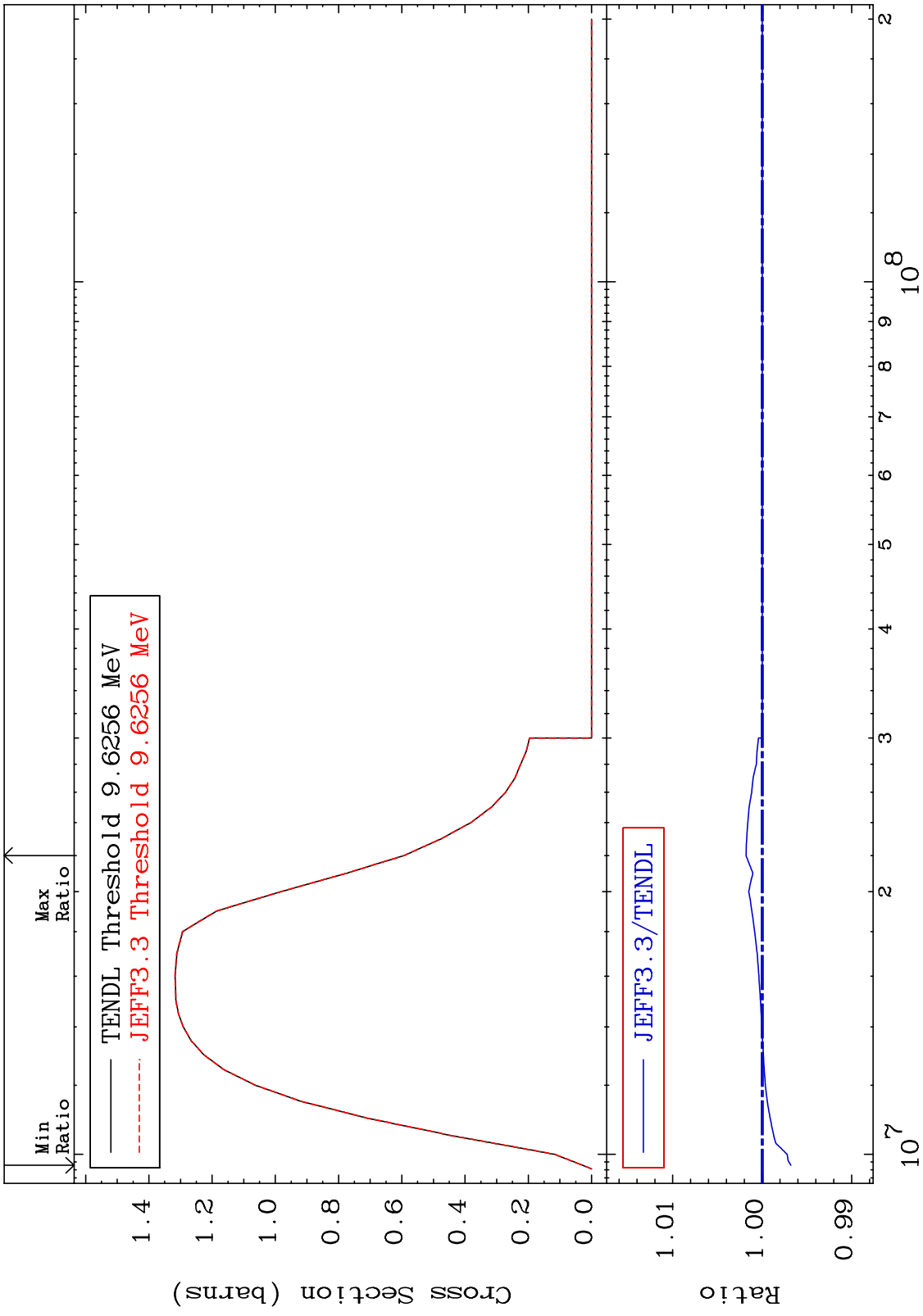


47-Ag-107

MAT 4725 (n,2n) d 47-Ag-107  
Cross Section -0.416 To 0.121 %

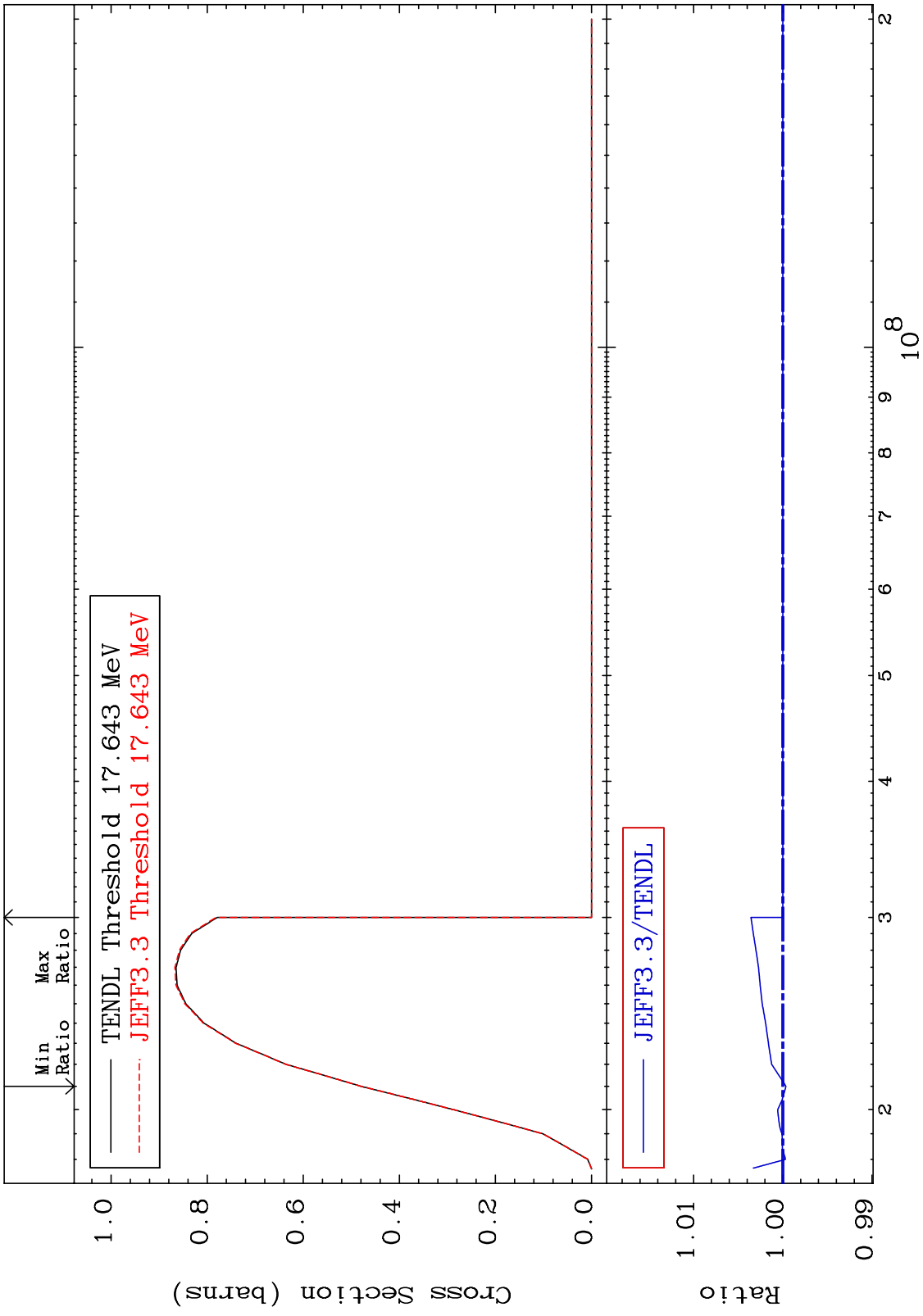


MAT 4725 (n,2n) Cross Section 47-Ag-107 -0.321 To 0.181 %

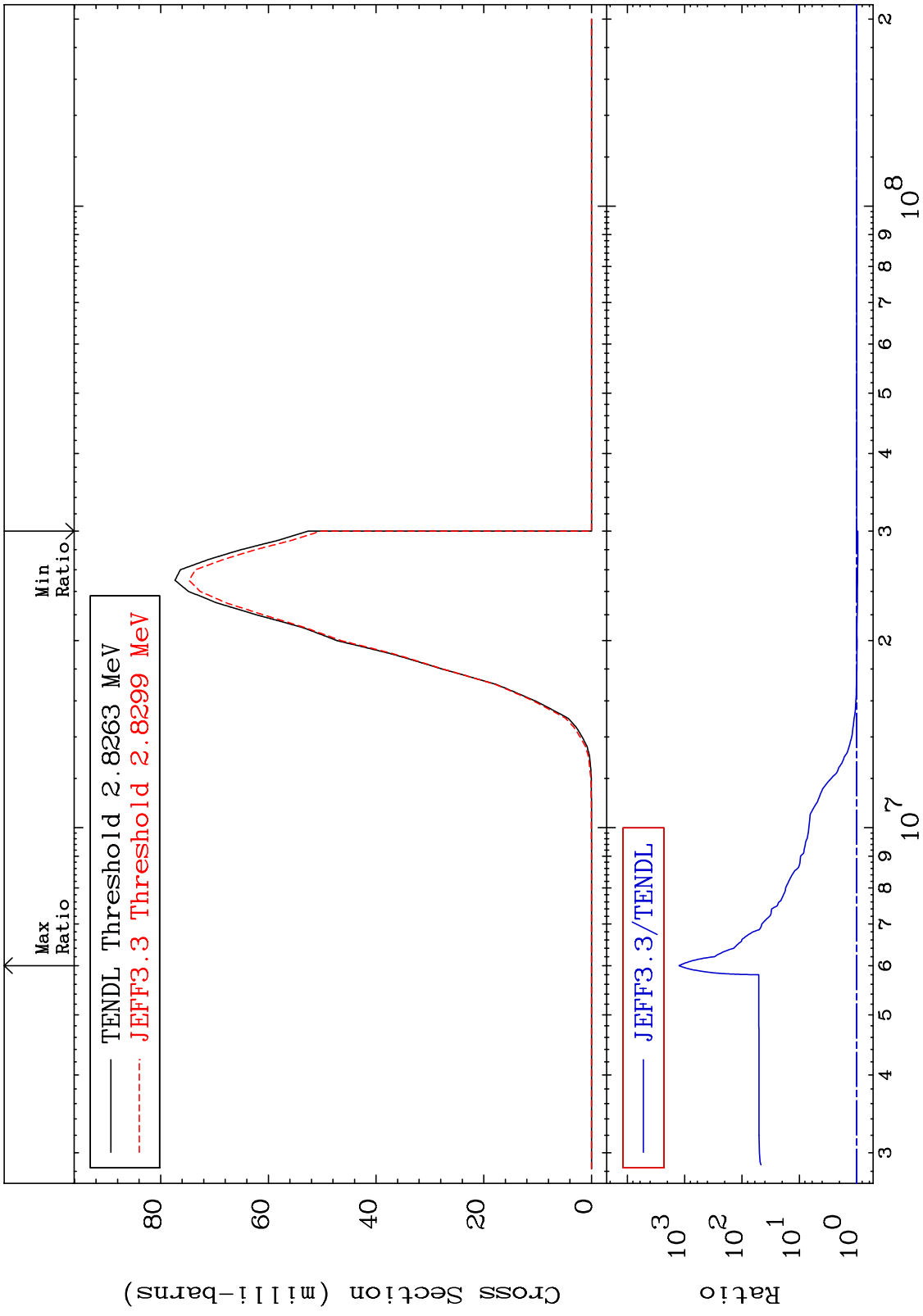


47-Ag-107

MAT 4725 (n,3n) Cross Section 47-Ag-107 -0.035 To 0.357 %



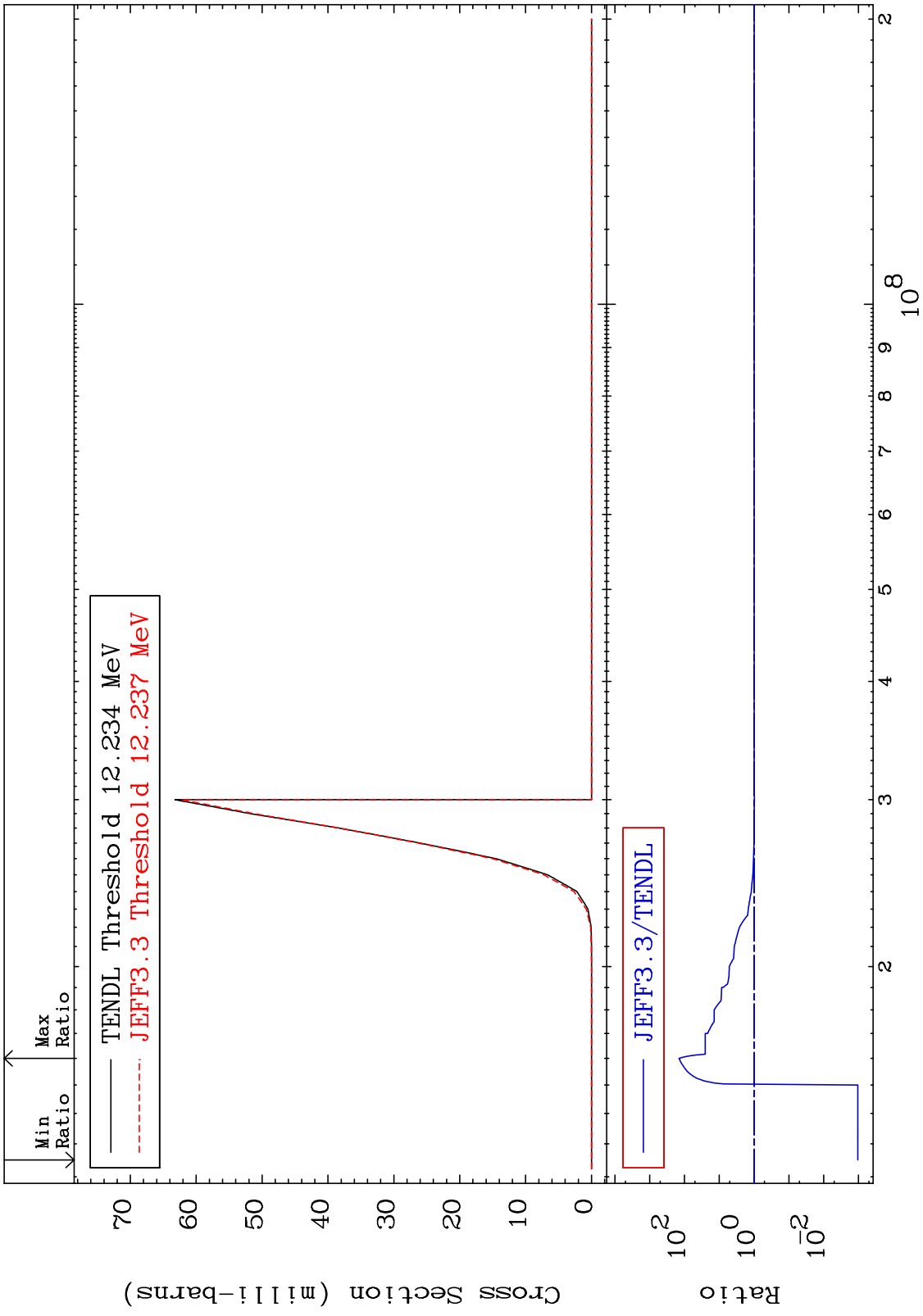
MAT 4725  $(n, n') \alpha$  47-Ag-107  
 Cross Section -4.485 To 9999. %



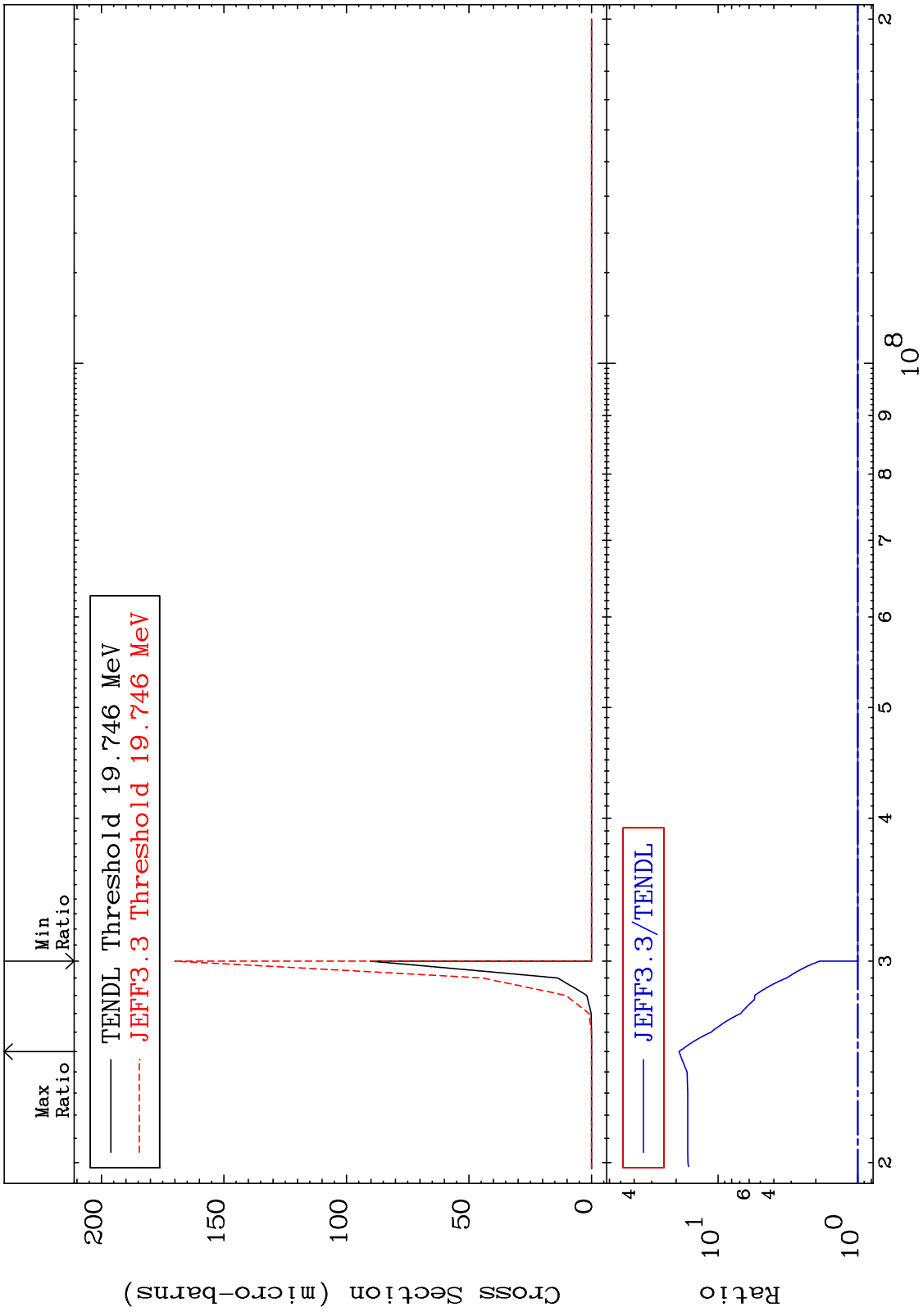
7 Incident Energy (eV) 47-Ag-107



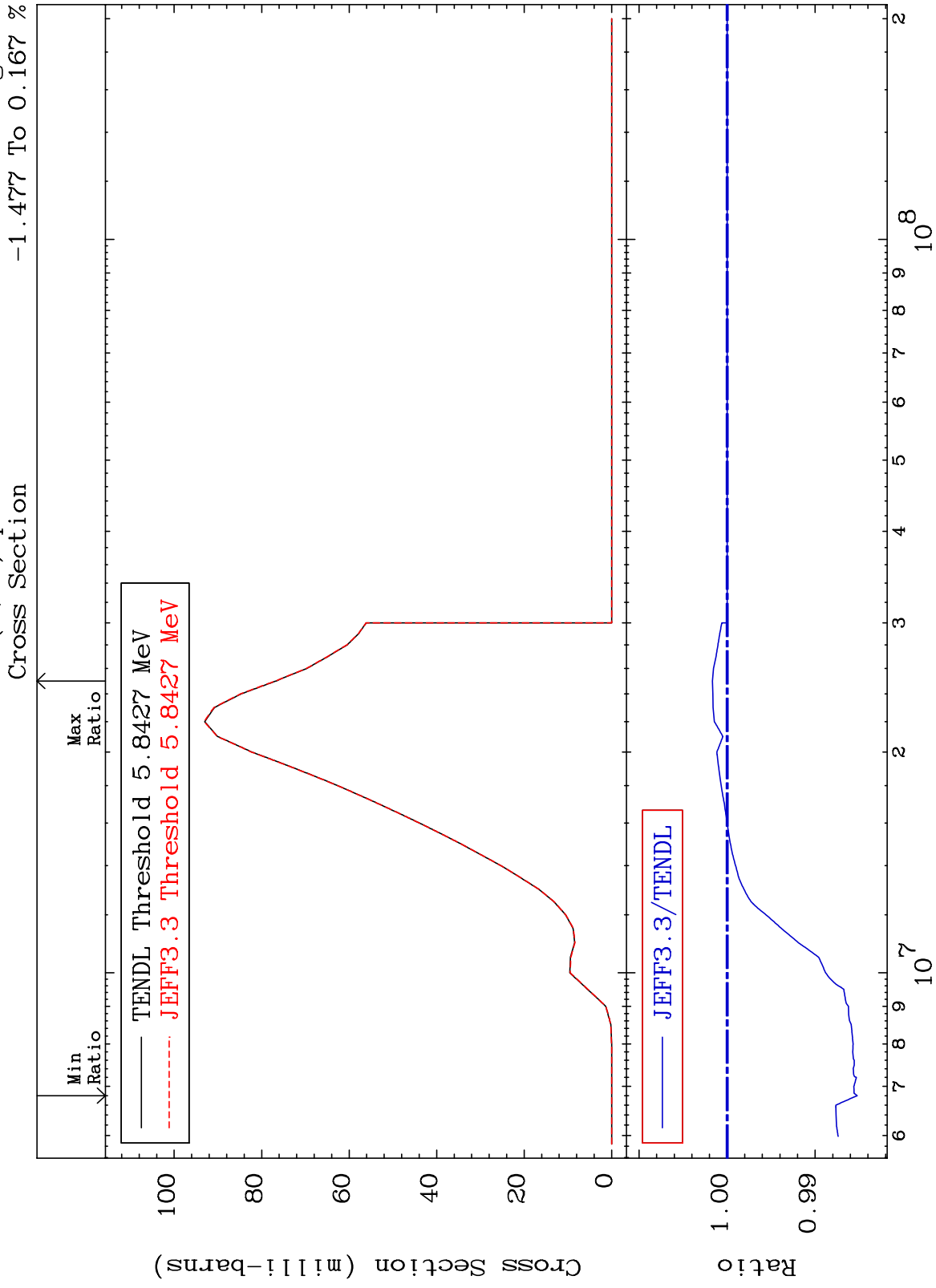
MAT 4725 (n,2n)  $\alpha$  47-Ag-107  
 Cross Section -99.90 To 9999. %



MAT 4725 (n,3n)  $\alpha$  47-Ag-107  
 Cross Section 0.000 To 1807. %

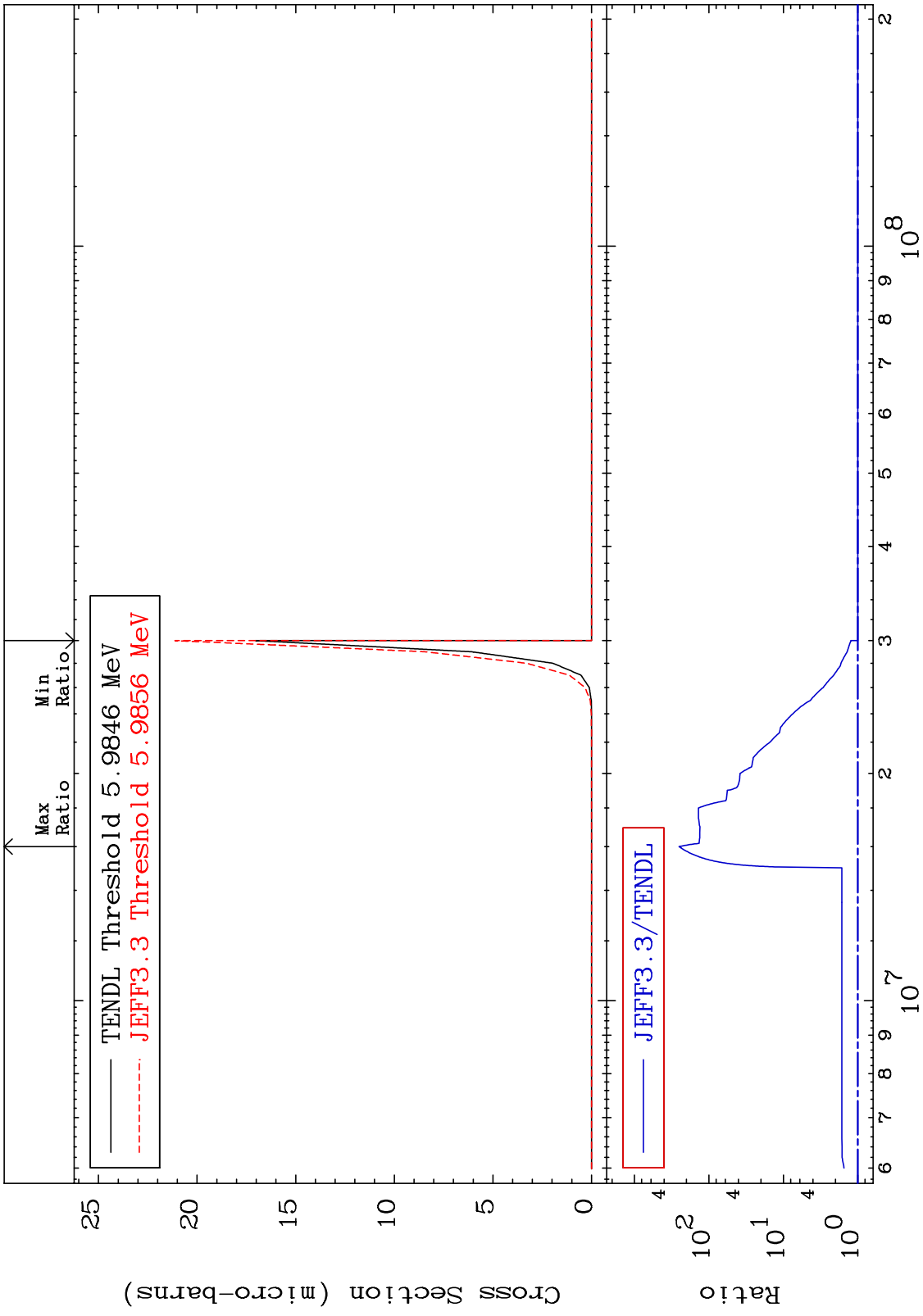


MAT 4725  $(n, n')$  p 47-Ag-107 -1.477 To 0.167 %

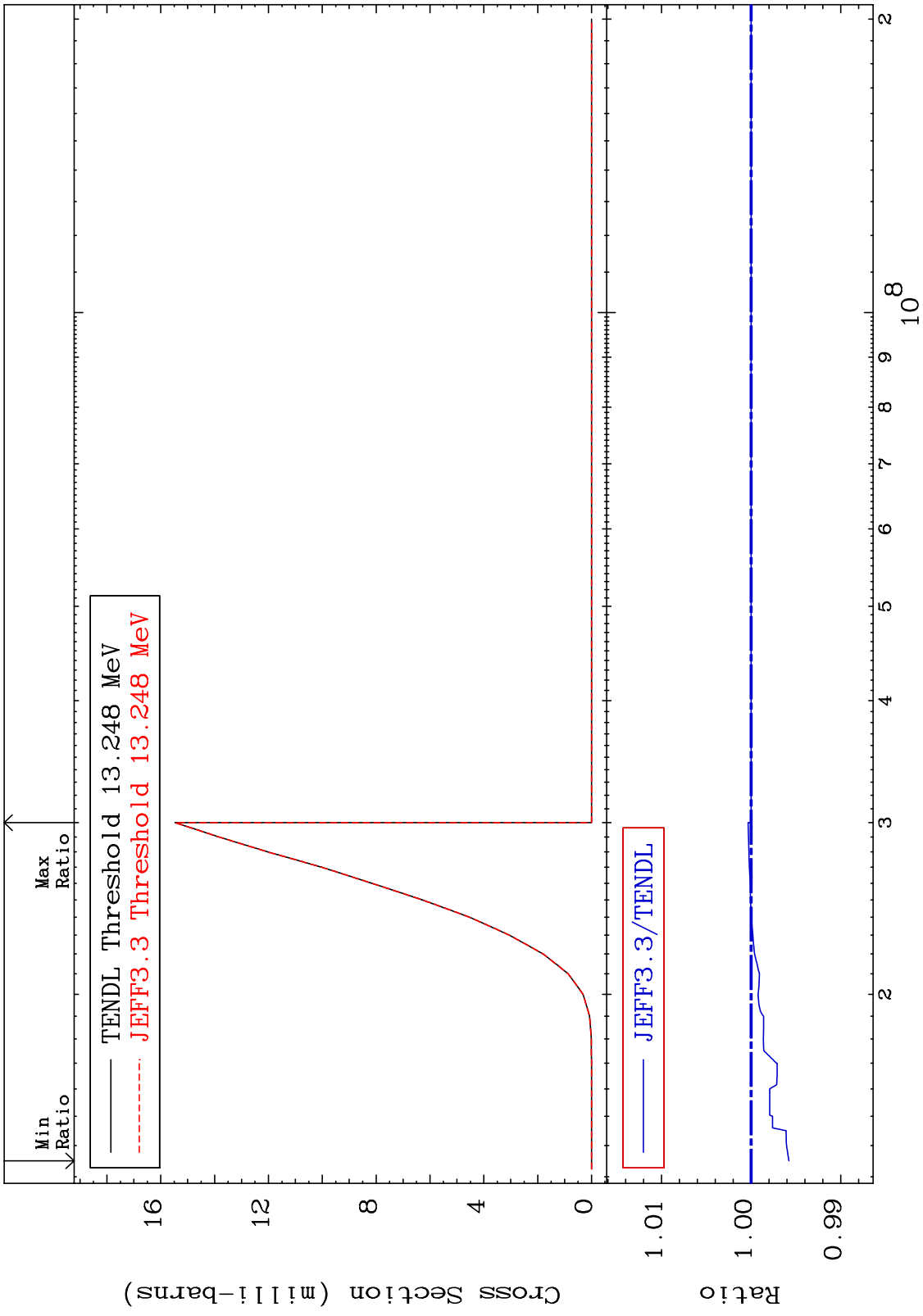


10 0.99 1.00 2 3 4 5 6 7 8 9 10<sup>8</sup> 10<sup>9</sup> 10<sup>10</sup>

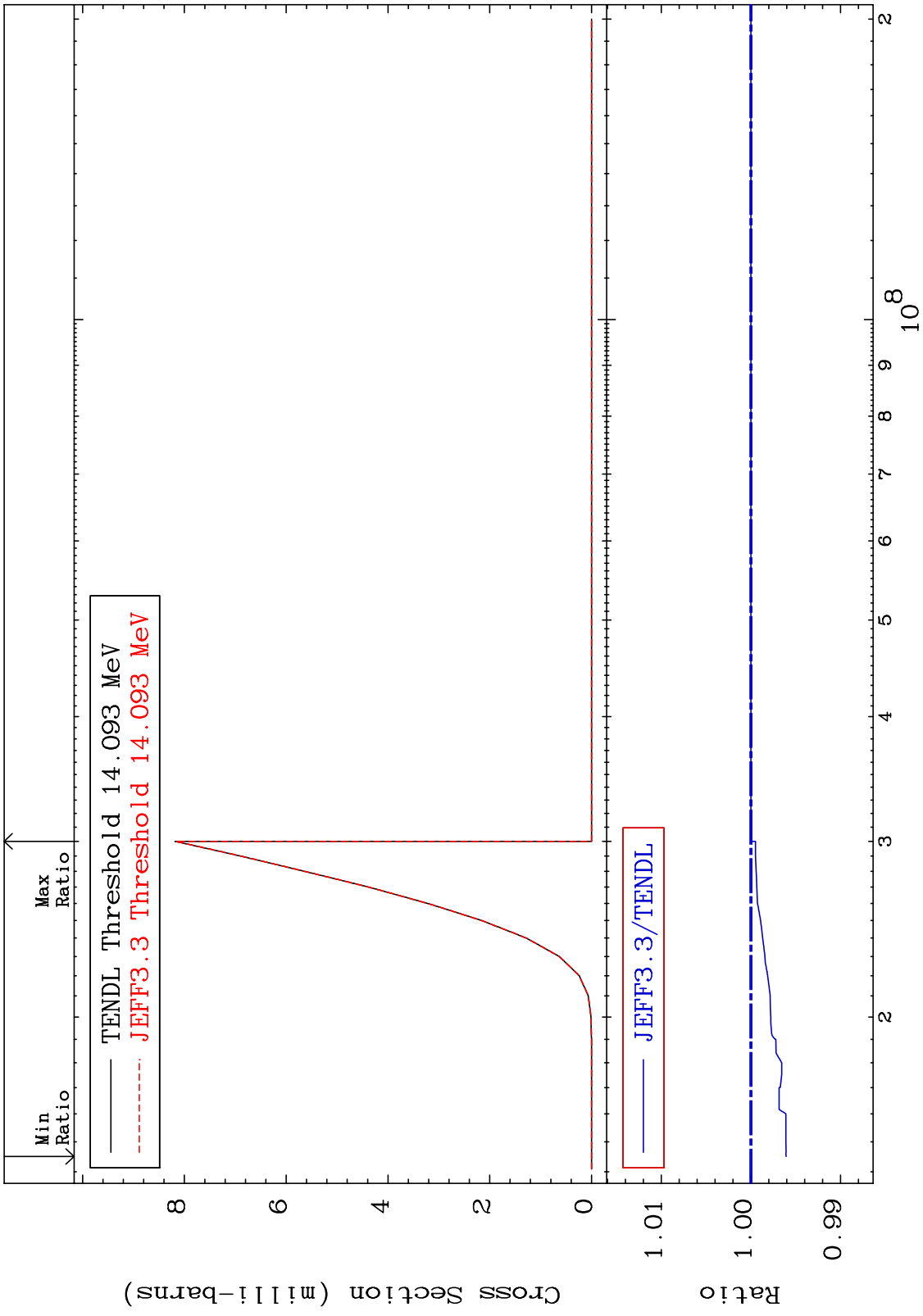
MAT 4725 (n,n') 2α Cross Section 47-Ag-107 To 9999. %



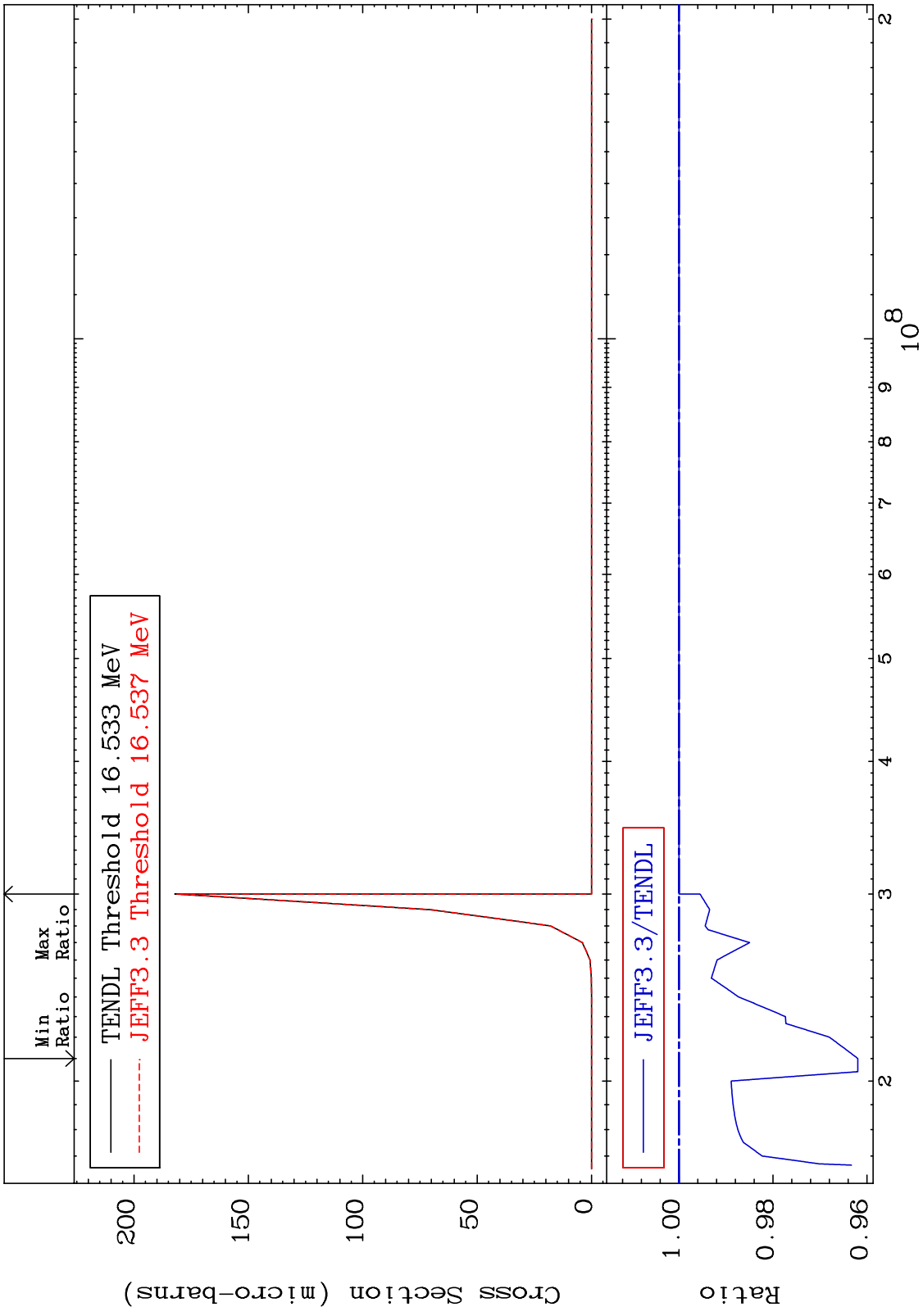
MAT 4725 (n, n') d 47-Ag-107  
Cross Section -0.421 To 0.035 %



MAT 4725 (n, n') t 47-Ag-107  
 Cross Section -0.392 To 0.000 %



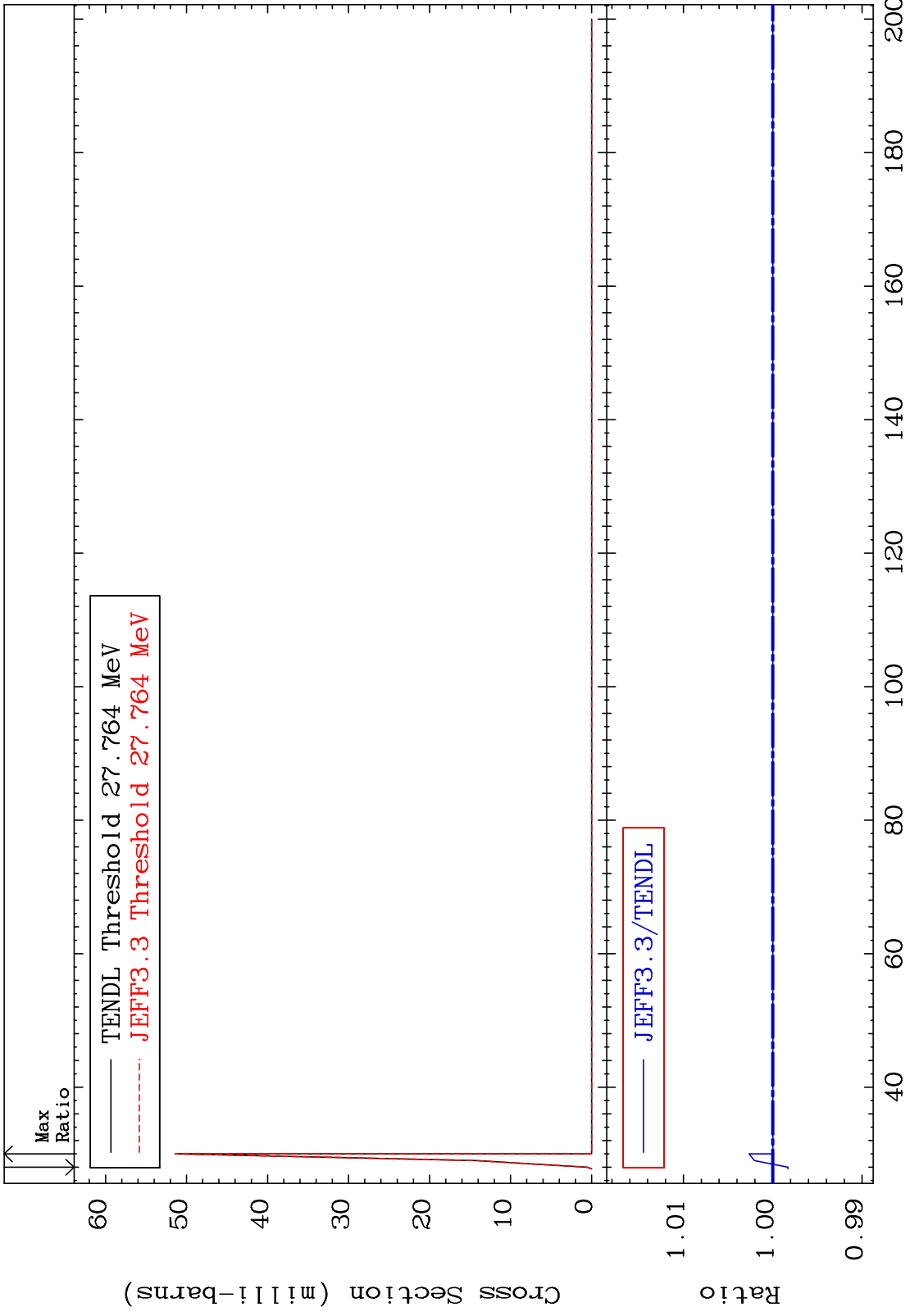
MAT 4725 (n, n') He-3 47-Ag-107  
Cross Section -3.804 To 0.000 %



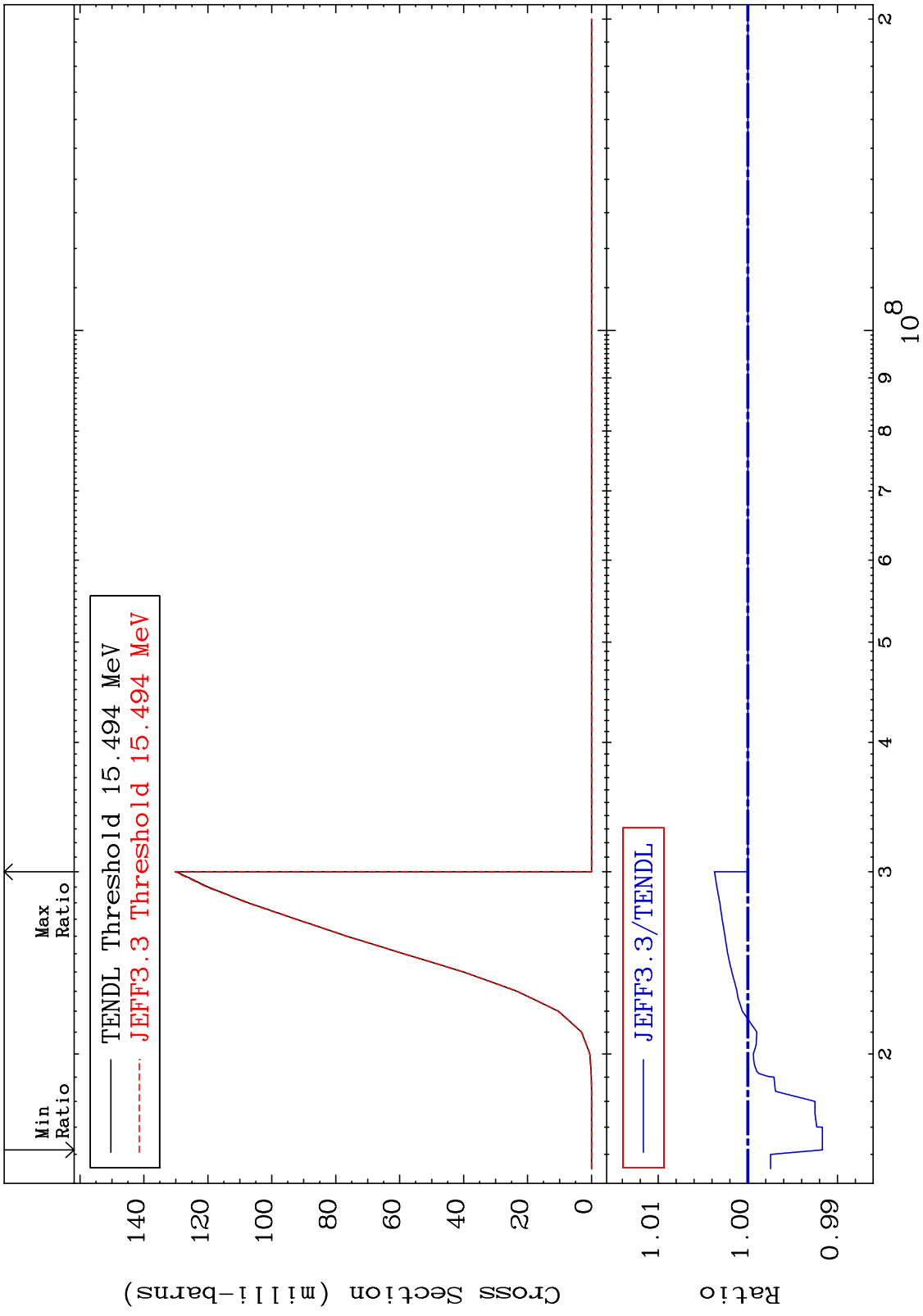
47-Ag-107

Incident Energy (eV)

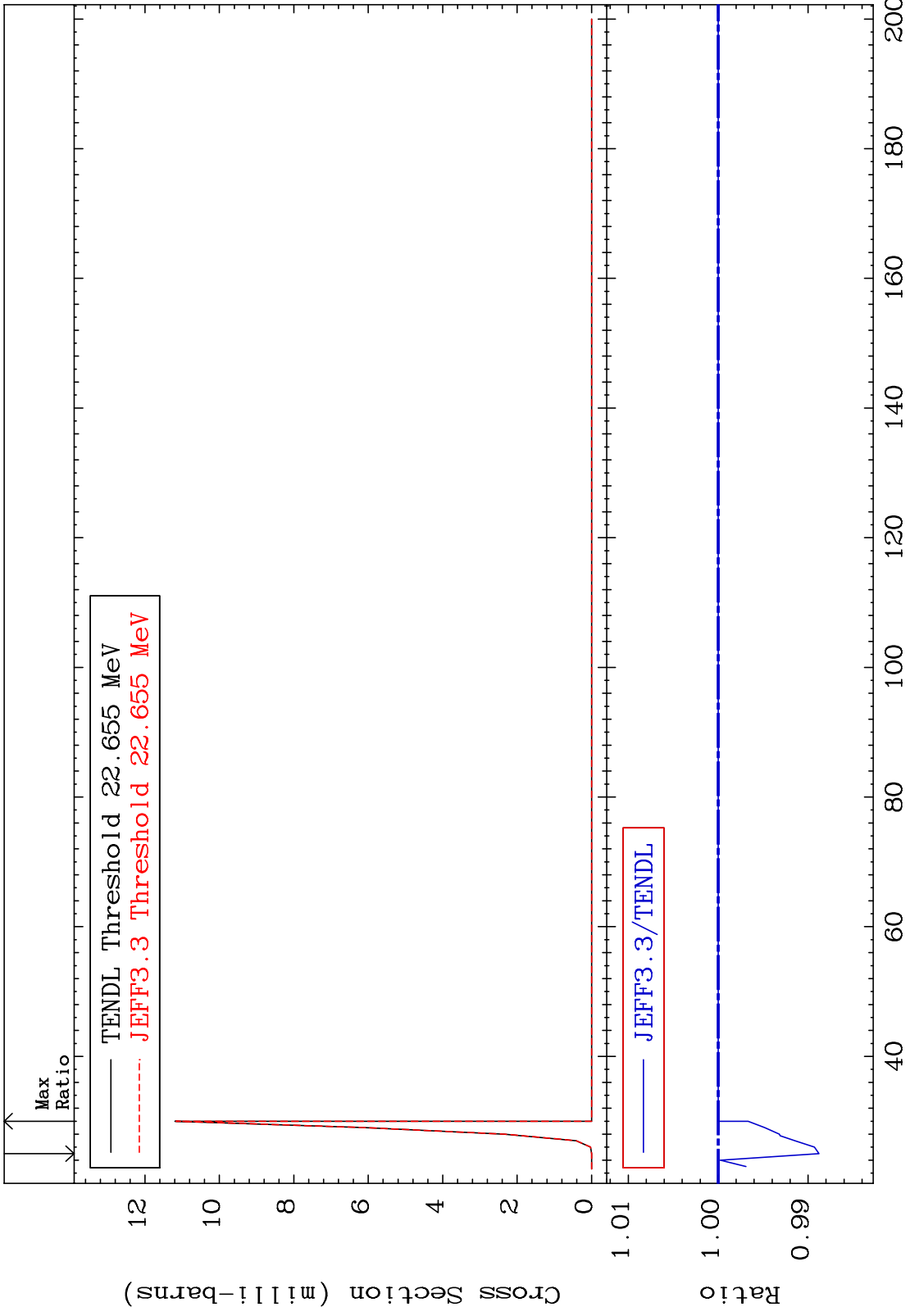
MAT 4725 (n,4n) Cross Section 47-Ag-107 -0.171 To 0.265 %



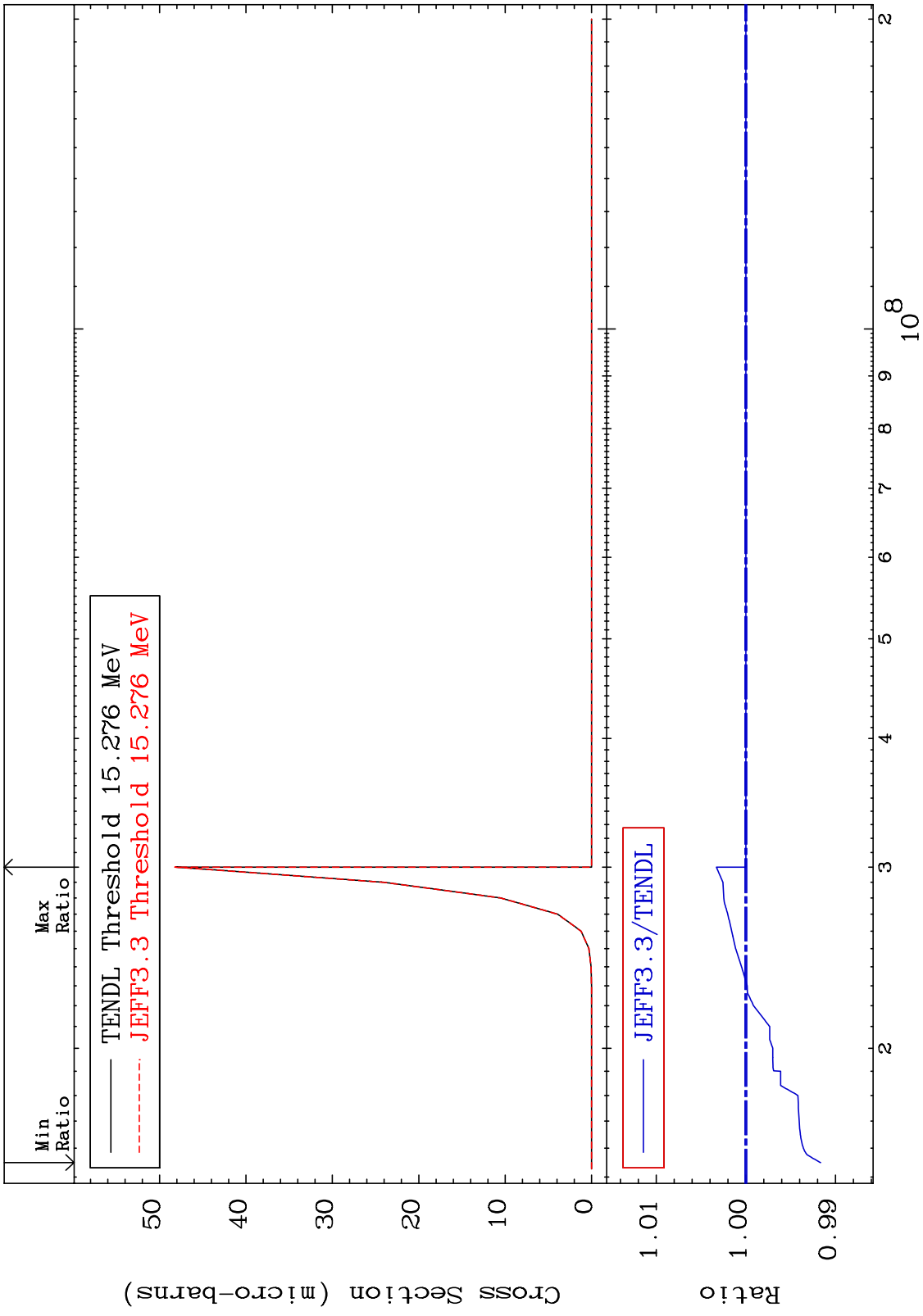




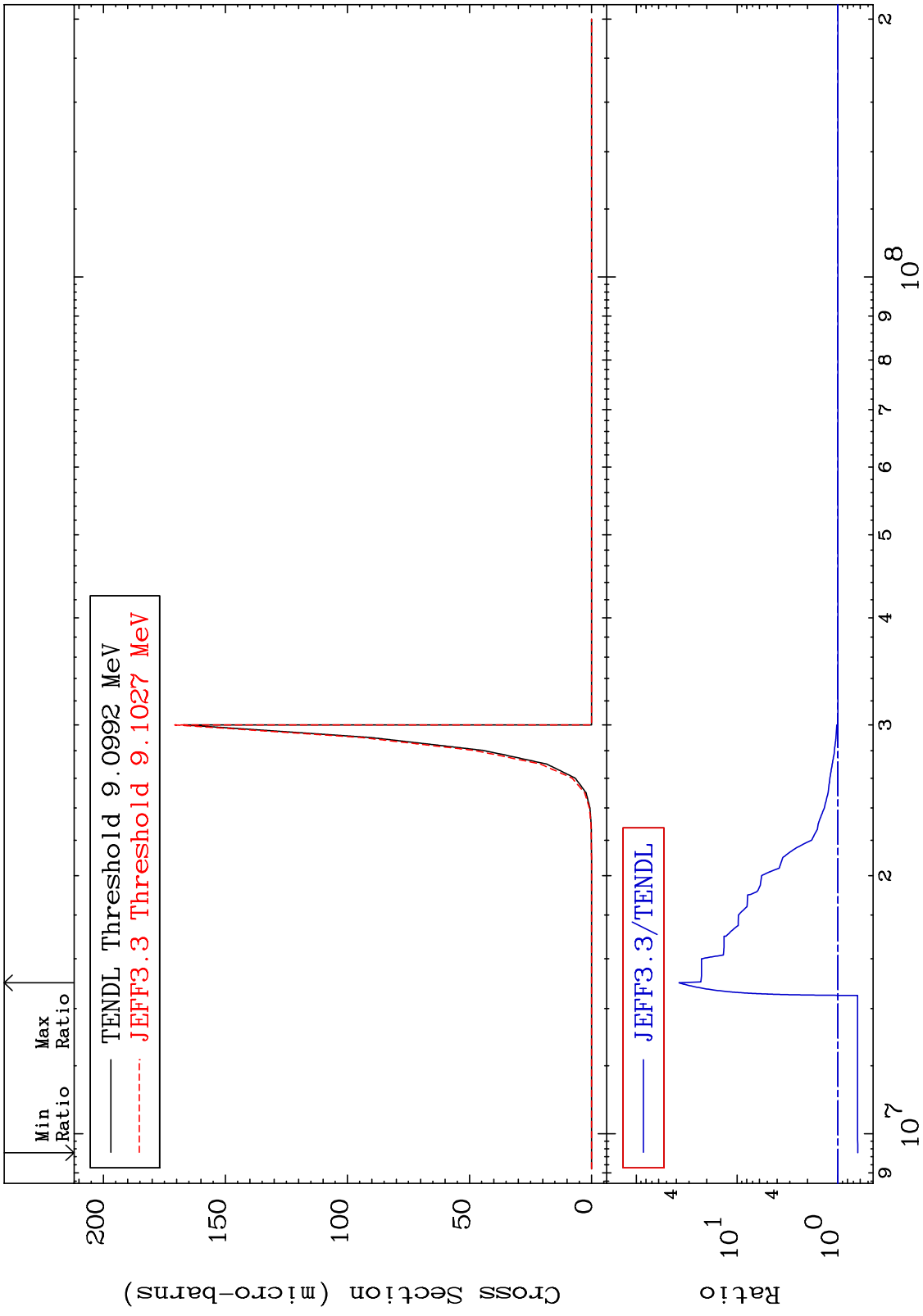
MAT 4725 (n,3n) p 47-Ag-107  
Cross Section -1.120 To 0.000 %



MAT 4725 (n,2n) p 47-Ag-107  
 Cross Section -0.833 To 0.330 %

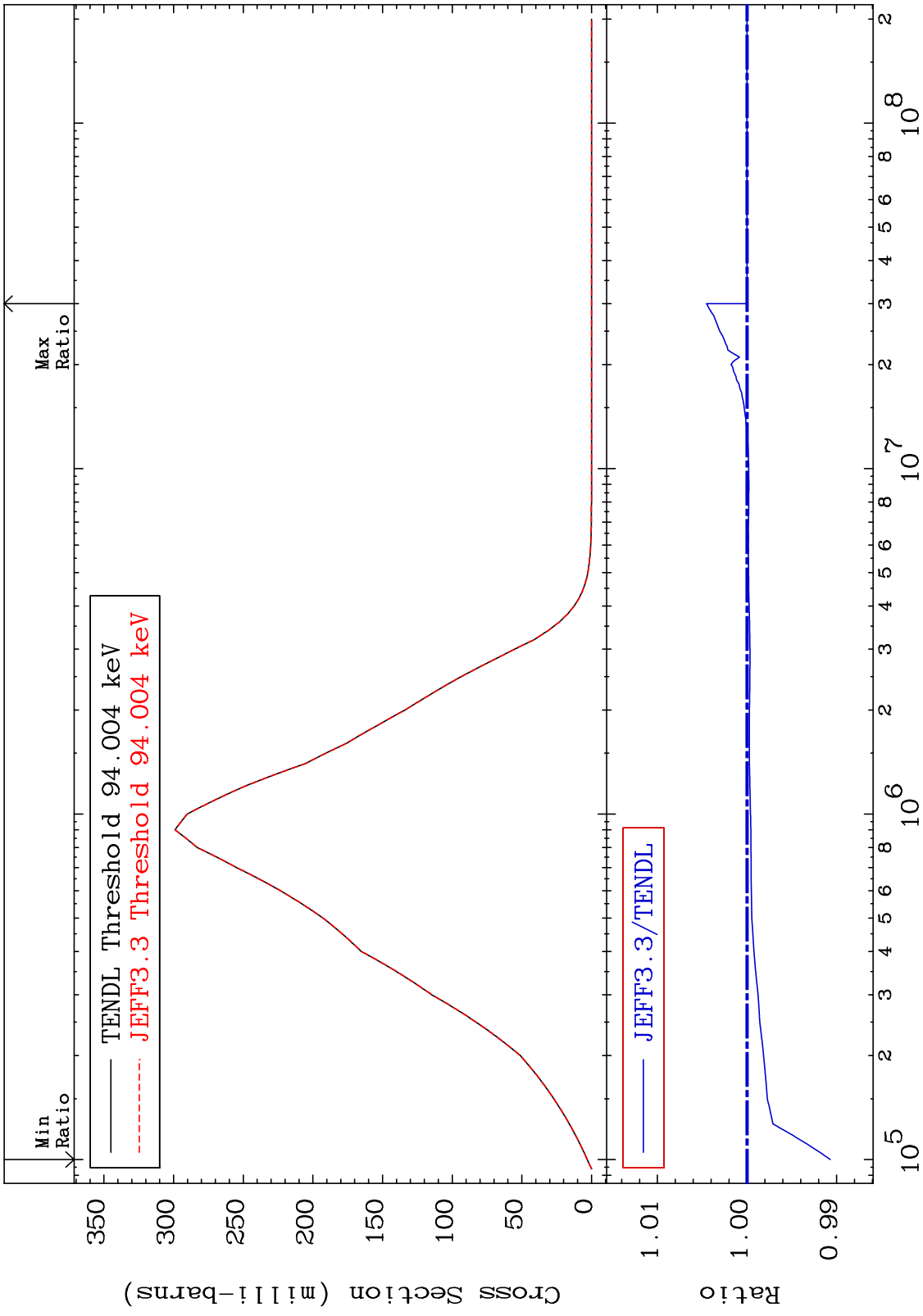


MAT 4725 (n,n') p  $\alpha$  47-Ag-107  
Cross Section -36.70 To 3662. %



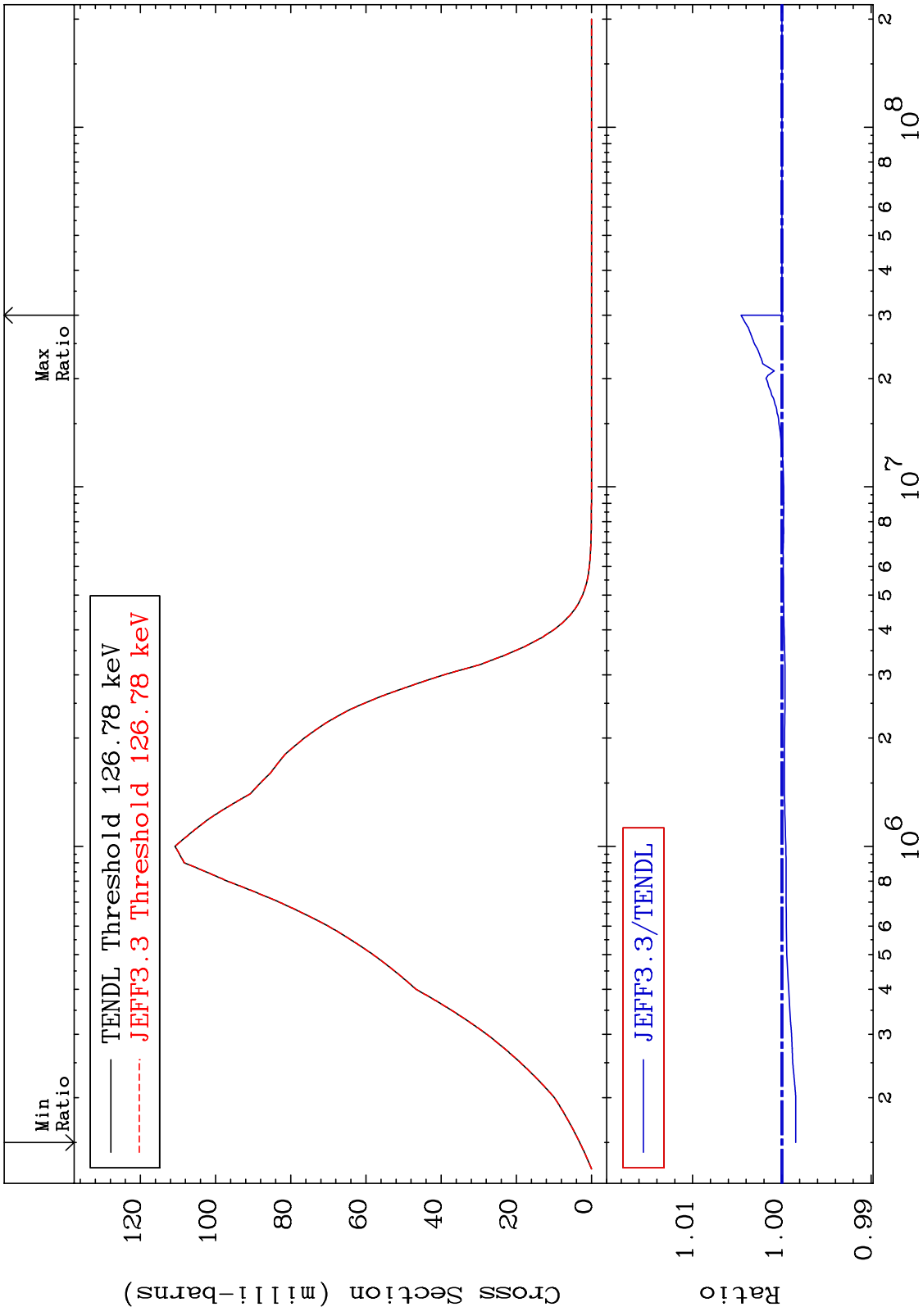
19 47-Ag-107

MAT 4725 MT= 51 (n,n') Level Cross Section 47-Ag-107  
 -0.930 To 0.452 %

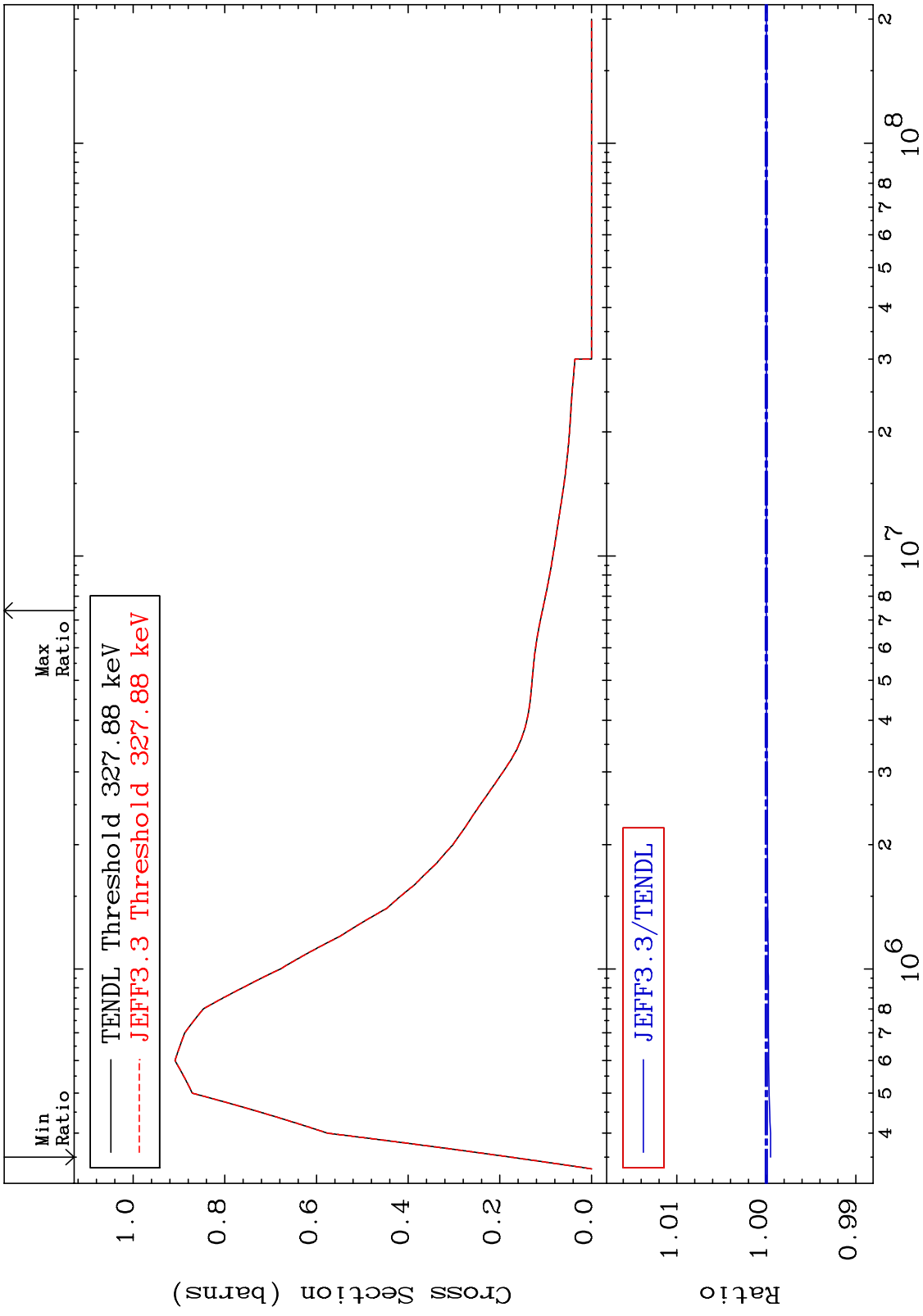


47-Ag-107

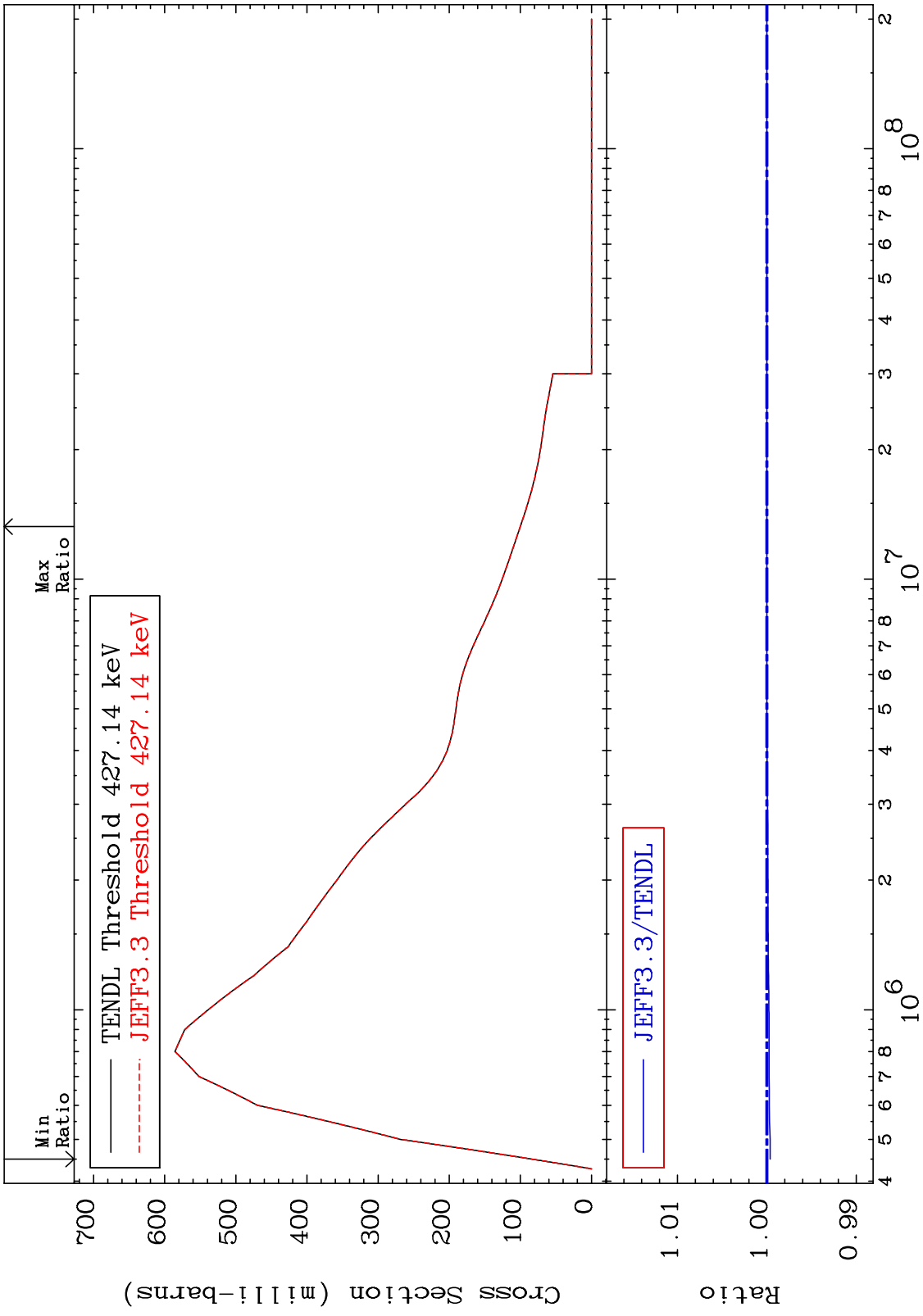
MAT 4725 MT= 52 (n,n') Level Cross Section 47-Ag-107  
 -0.156 To 0.457 %



MAT 4725 MT= 53 (n,n') Level Cross Section -0.048 To 0.000 % 47-Ag-107

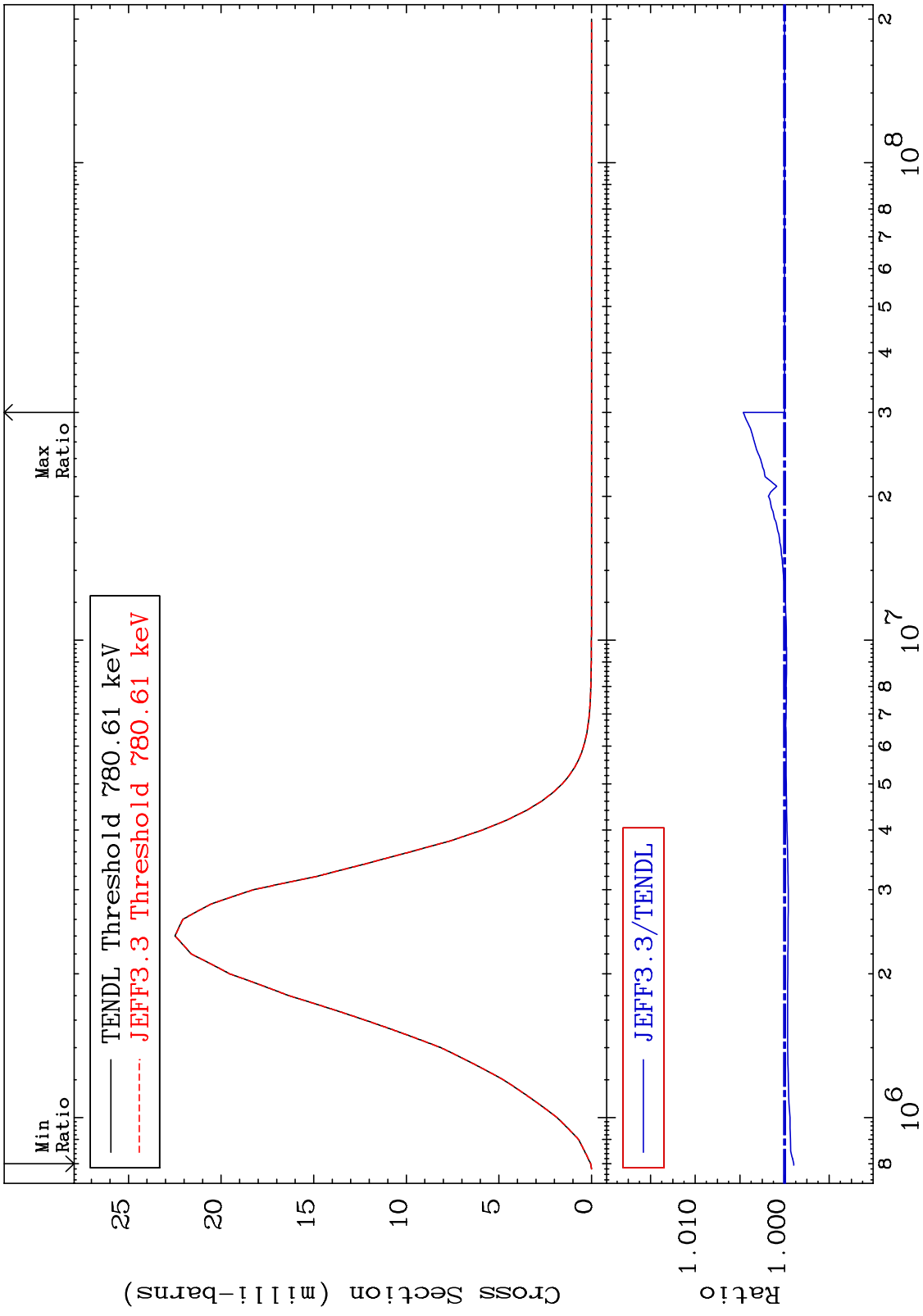


MAT 4725 MT= 54 (n, n') Level Cross Section 47-Ag-107  
 -0.035 To 0.000 %





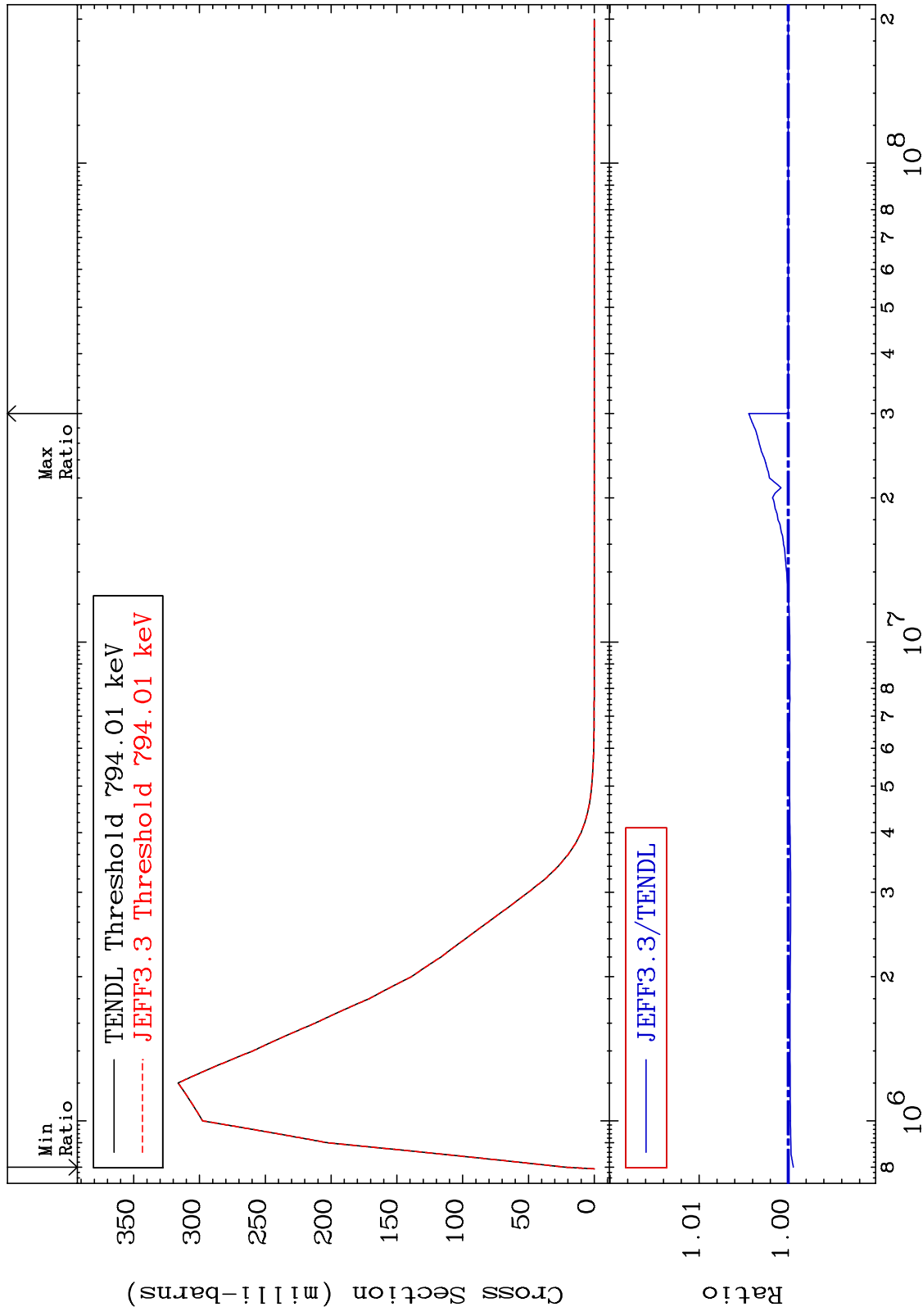
MAT 4725 MT= 55 (n,n') Level Cross Section 47-Ag-107  
-0.103 To 0.462 %



MAT 4725

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

47-Ag-107  
-0.057 To 0.443 %

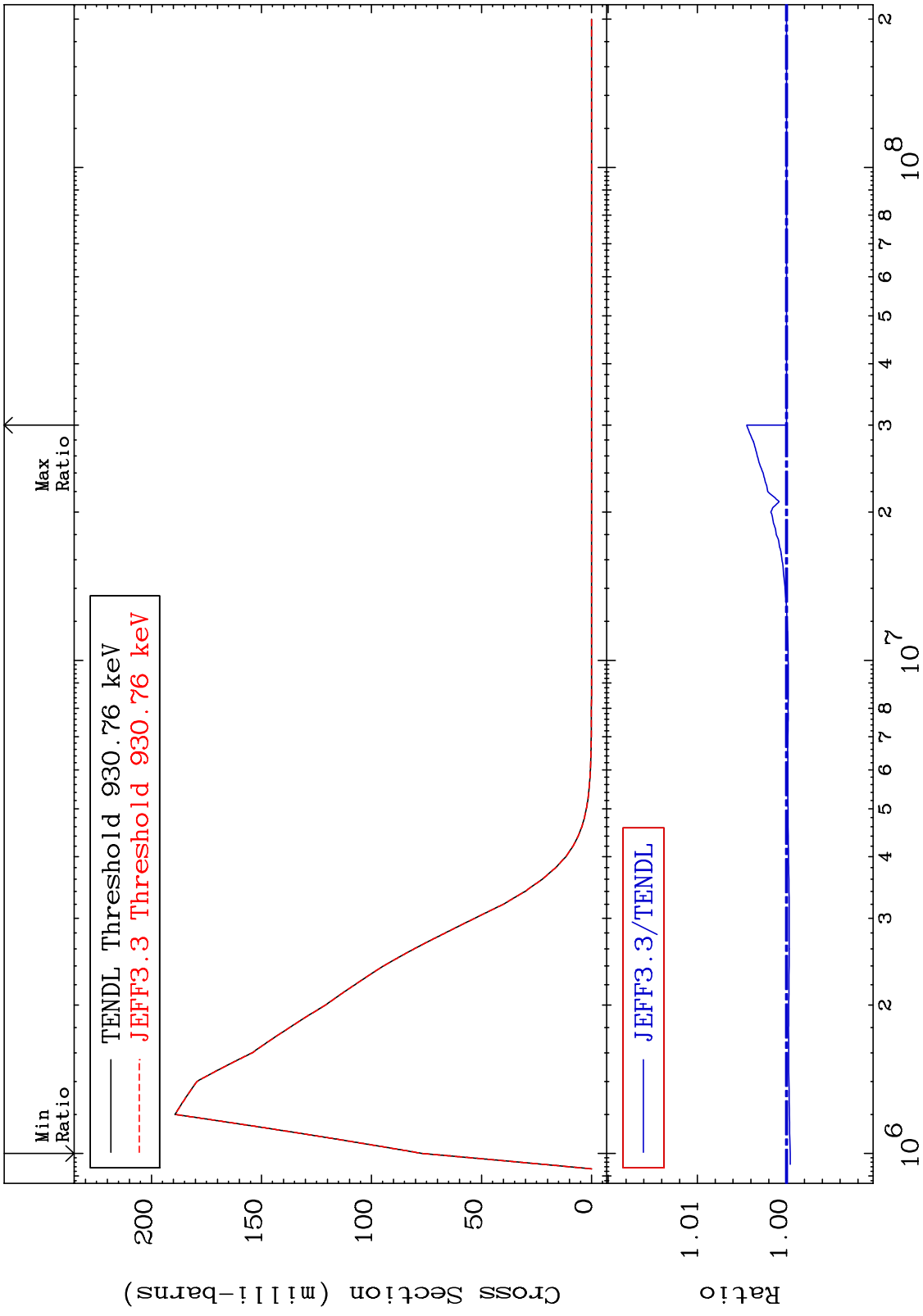


25

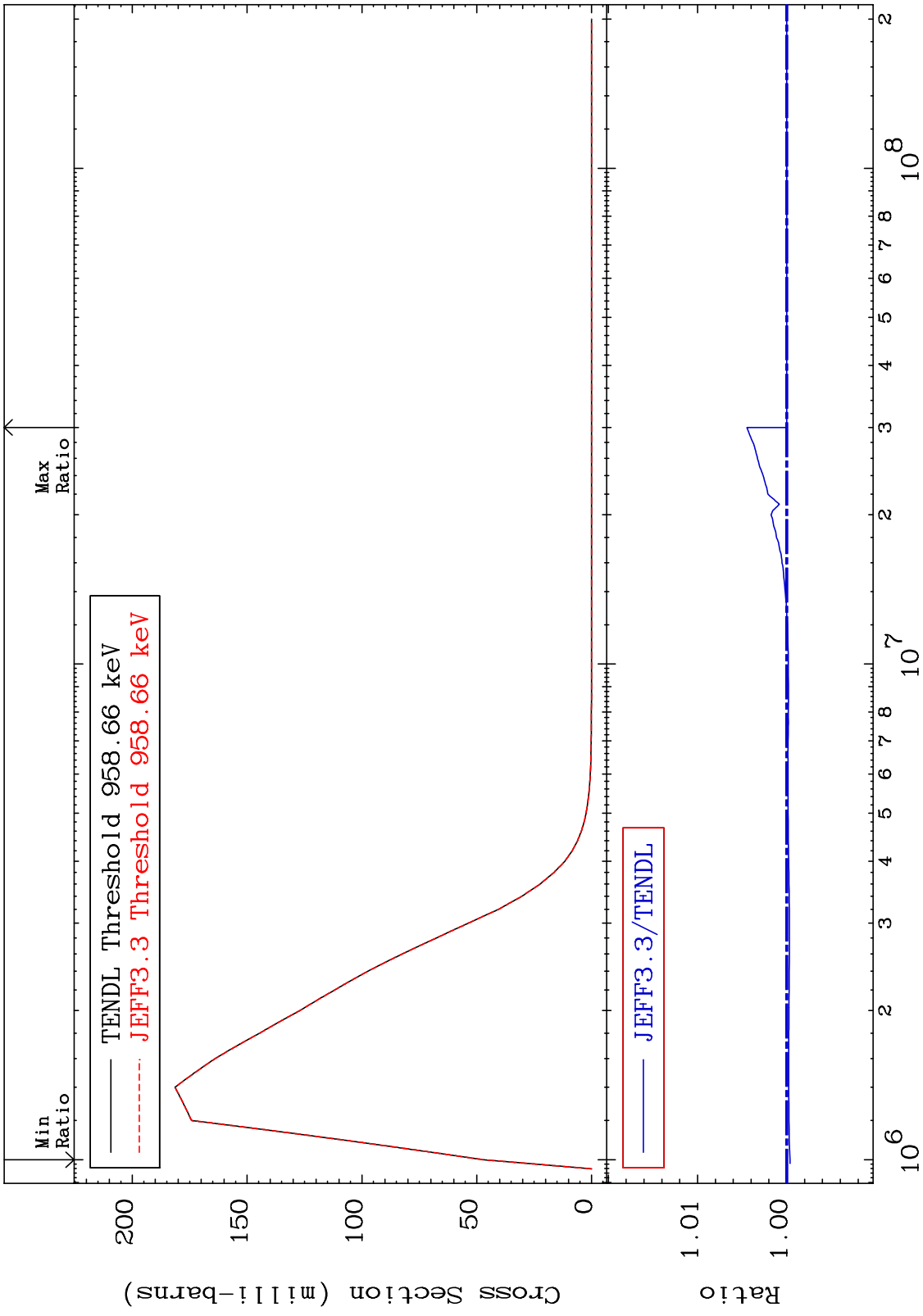
Incident Energy (eV)

47-Ag-107

MAT 4725 MT= 57 (n,n') Level Cross Section 47-Ag-107  
 -0.040 To 0.447 %

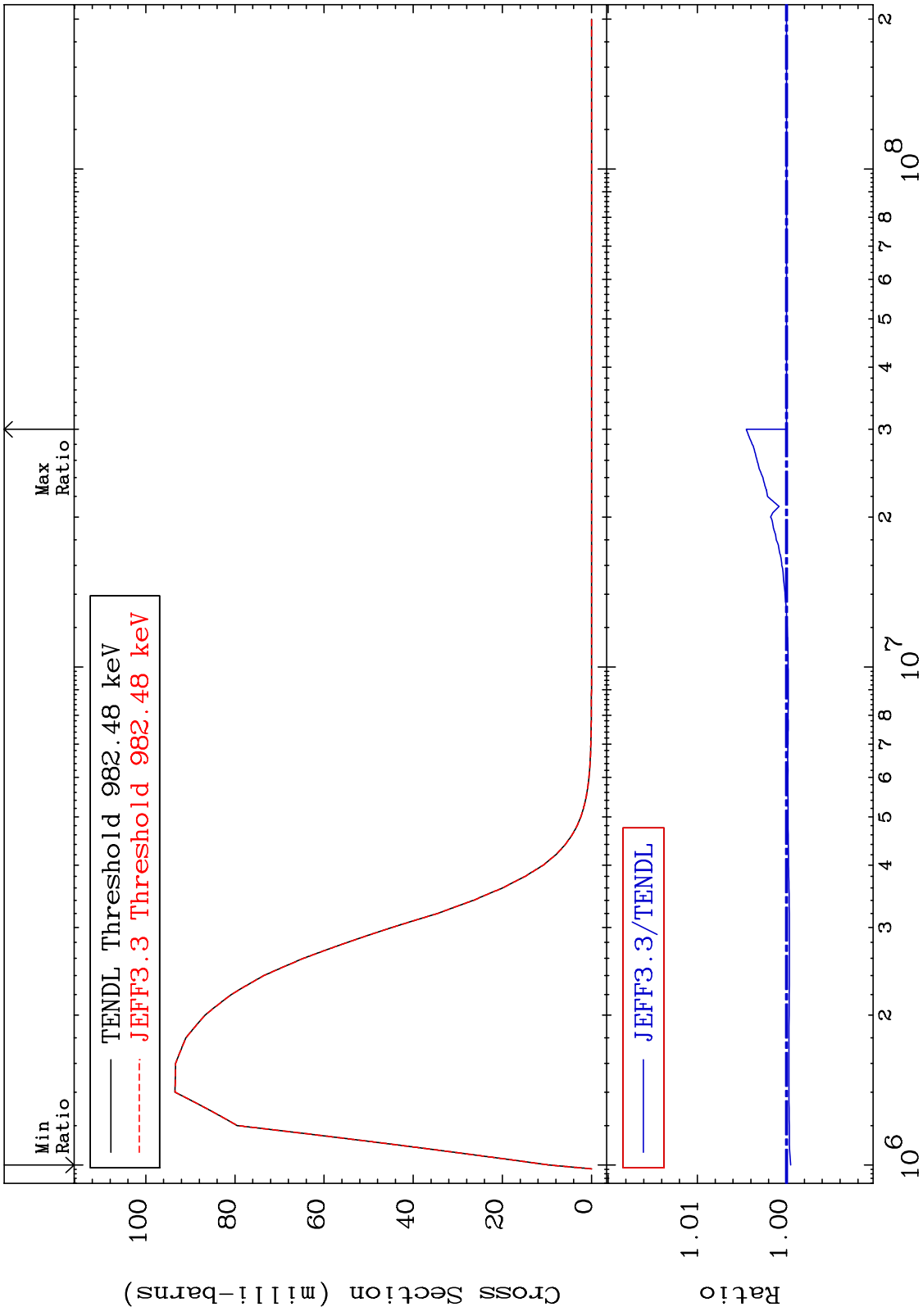


MAT 4725 MT= 58 (n,n') Level Cross Section 47-Ag-107  
-0.036 To 0.447 %



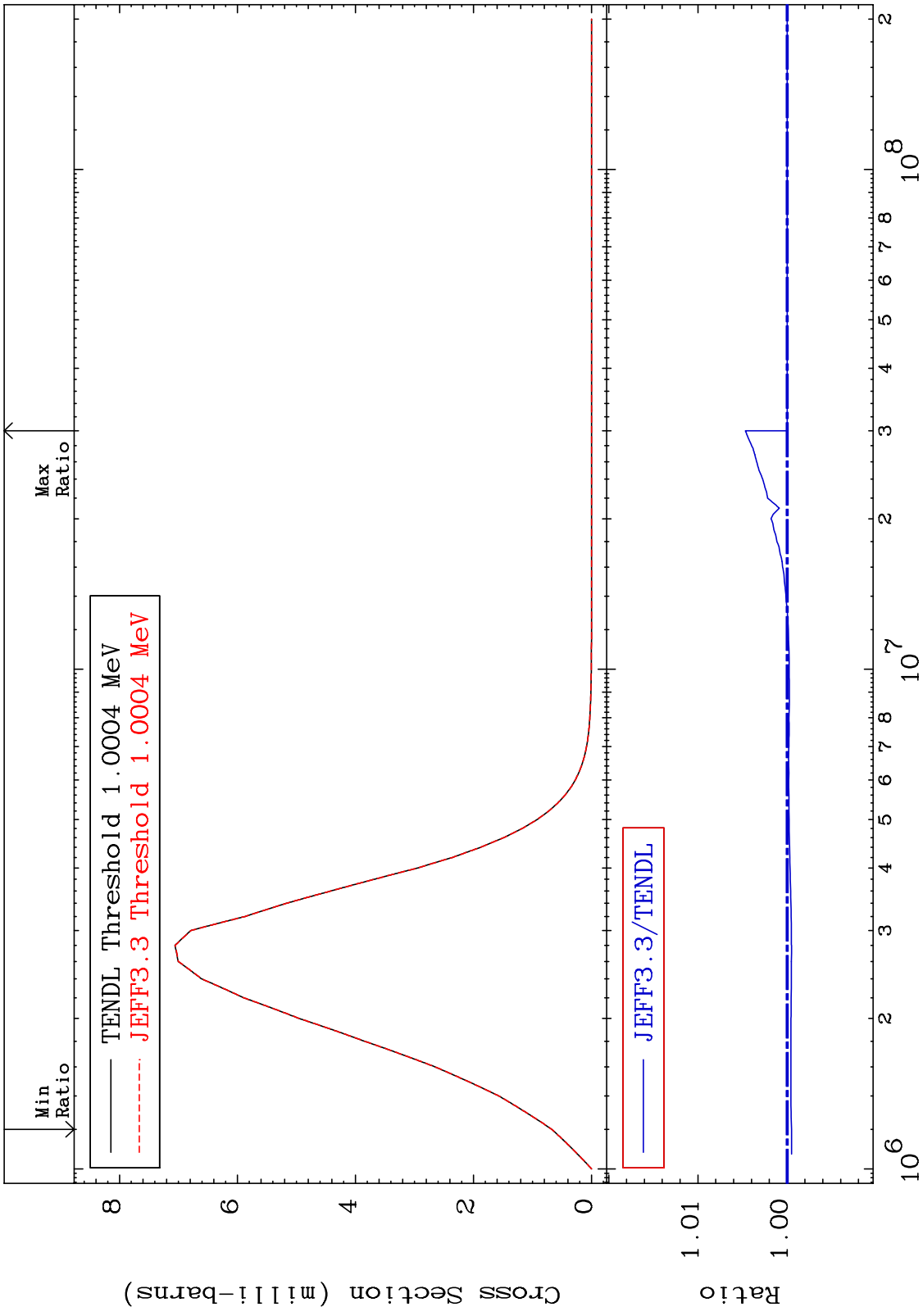
27 47-Ag-107

MAT 4725 MT= 59 (n,n') Level Cross Section 47-Ag-107  
 -0.046 To 0.451 %

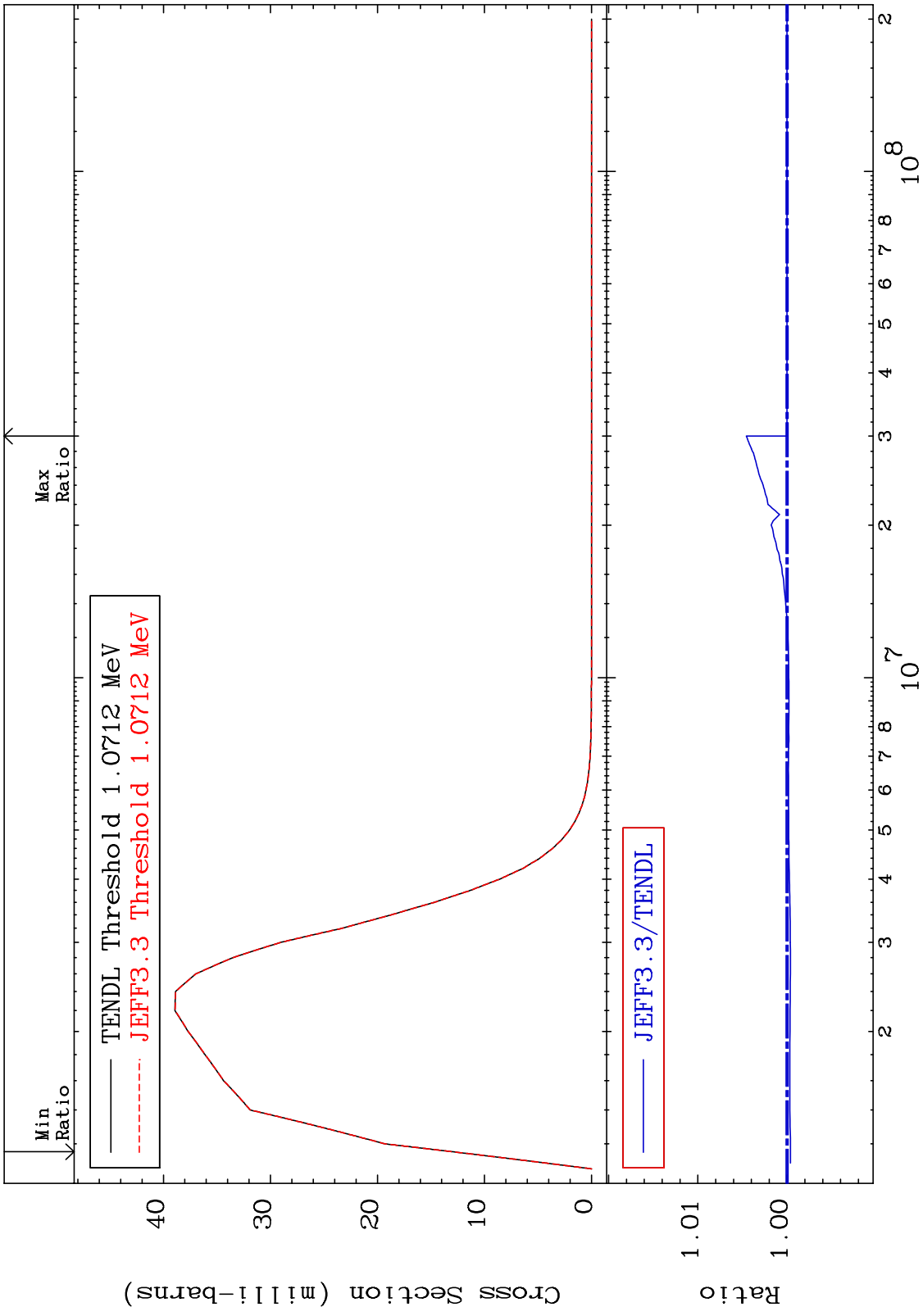


28 Incident Energy (eV) 47-Ag-107

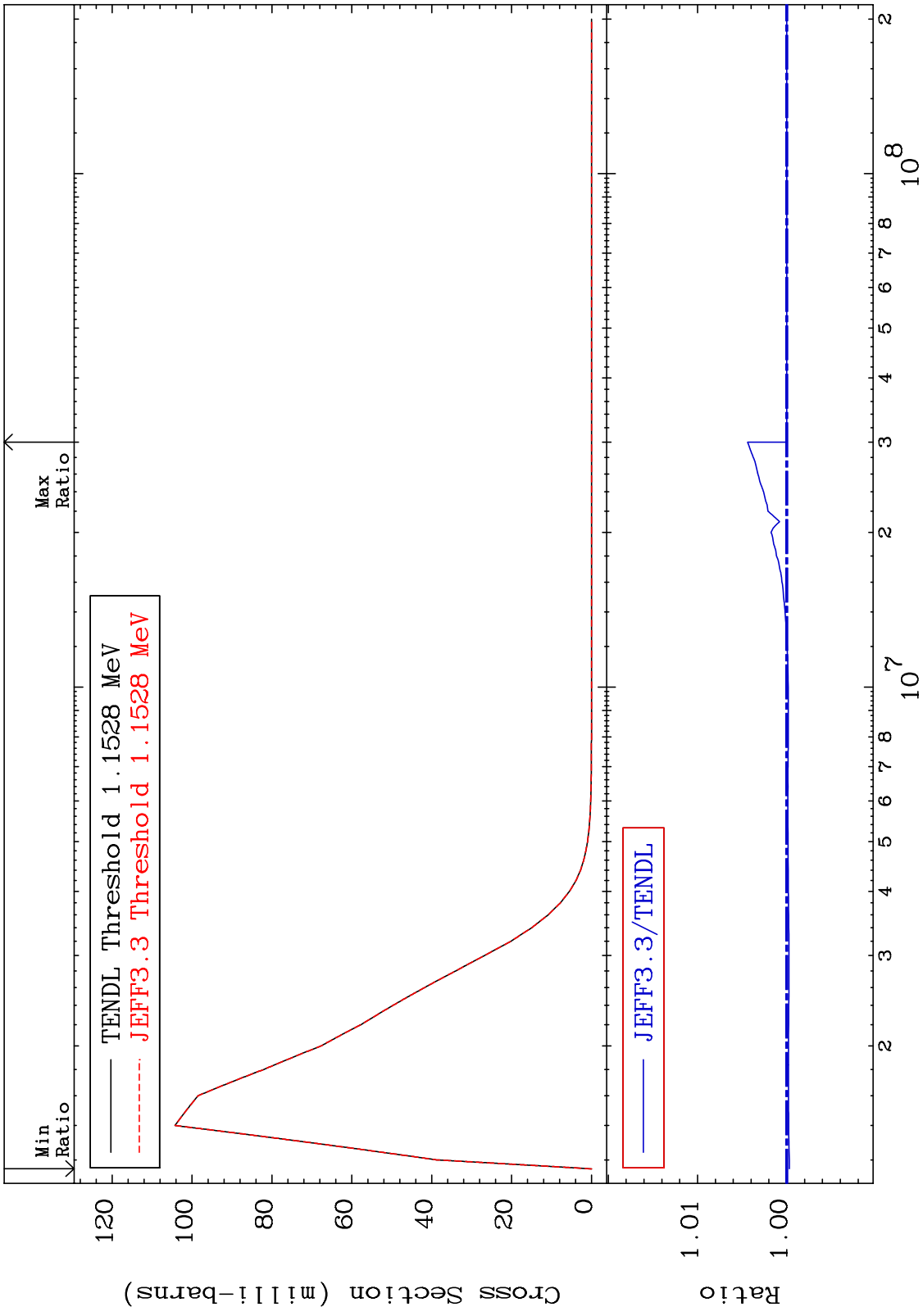
MAT 4725 MT= 60 (n,n') Level Cross Section 47-Ag-107  
-0.049 To 0.468 %



MAT 4725 MT= 61 (n,n') Level Cross Section 47-Ag-107  
 -0.039 To 0.456 %

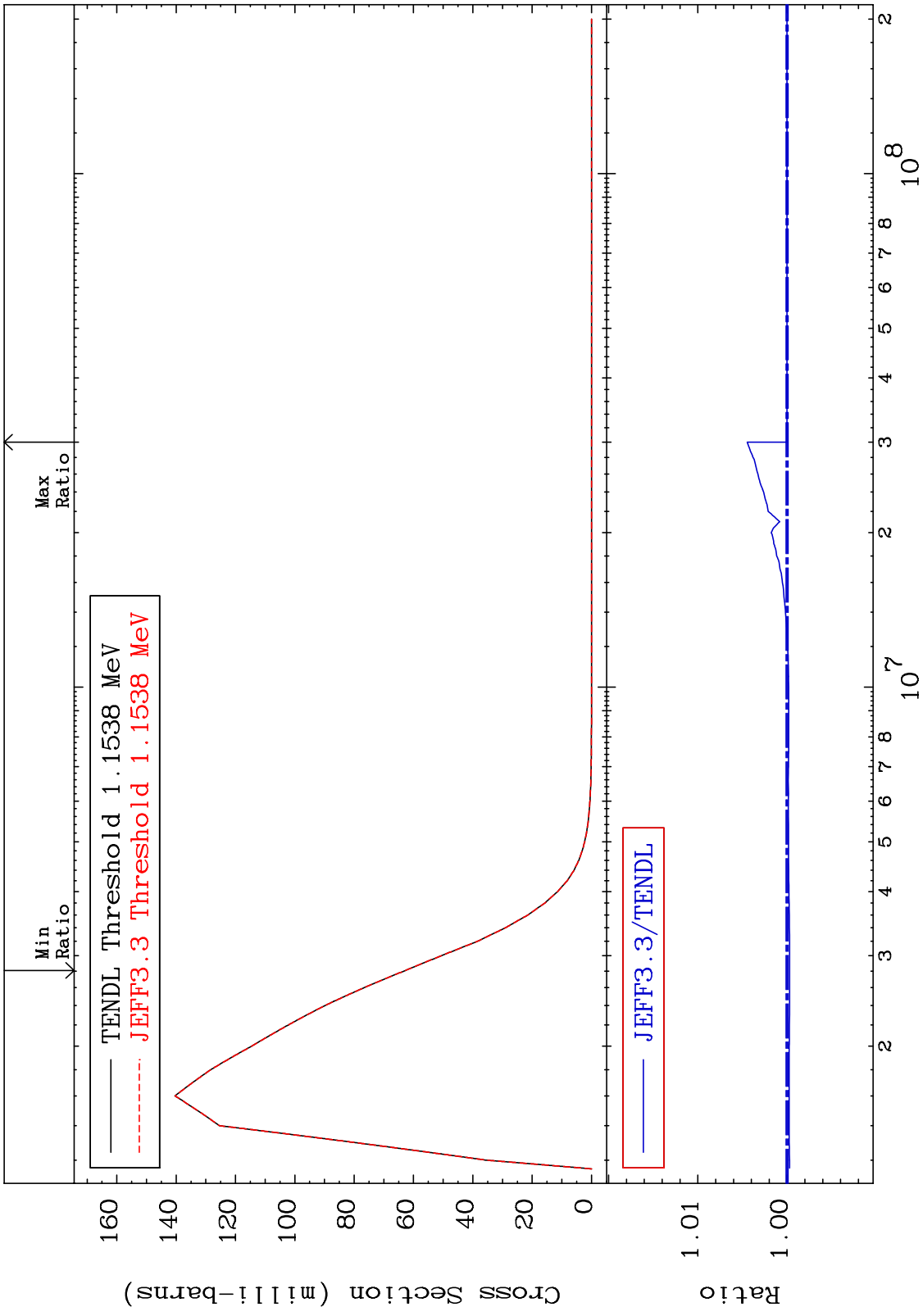


MAT 4725 MT= 62 (n,n') Level Cross Section -0.028 To 0.439 % 47-Ag-107

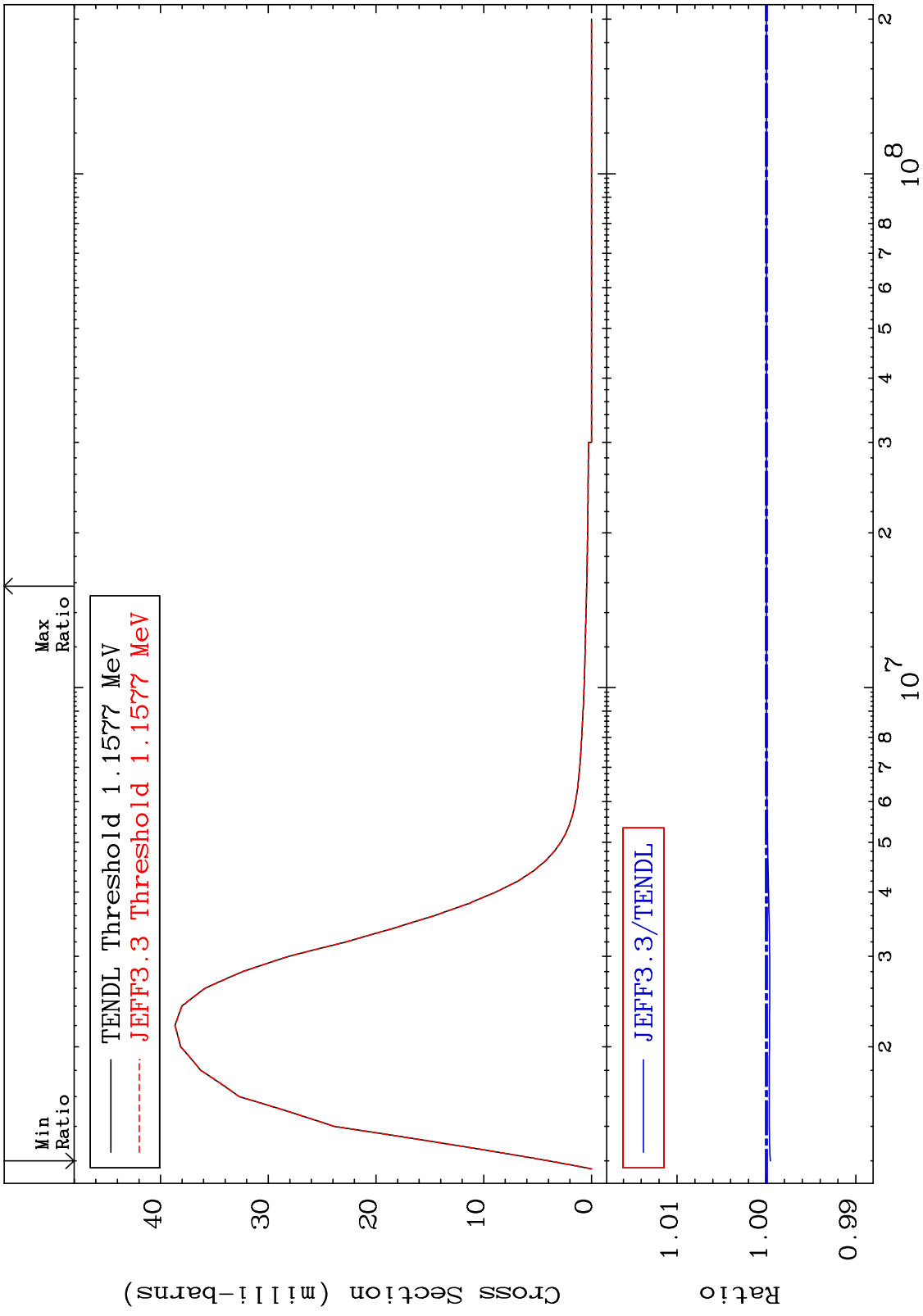




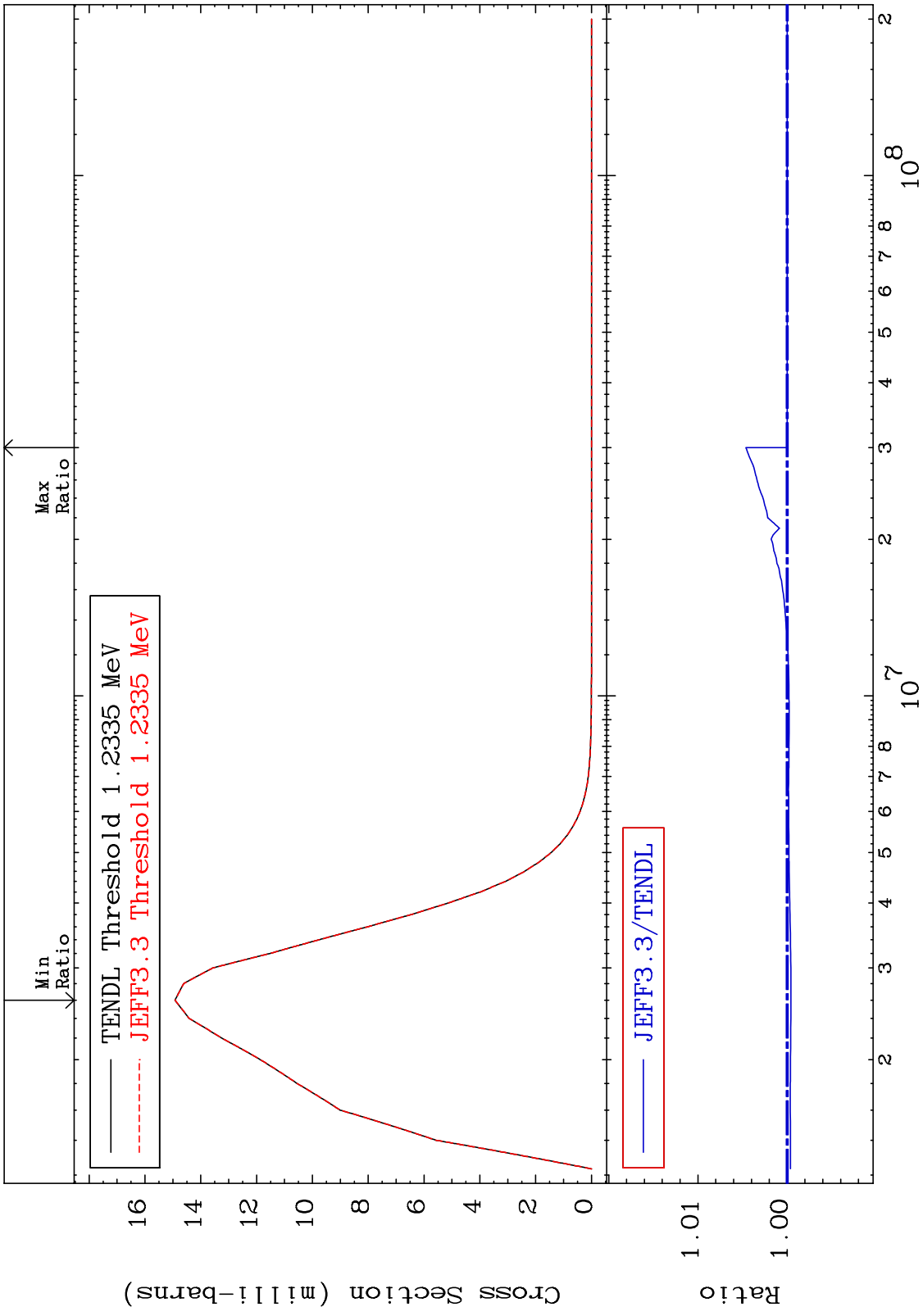
MAT 4725 MT= 63 (n,n') Level Cross Section -0.029 To 0.447 % 47-Ag-107



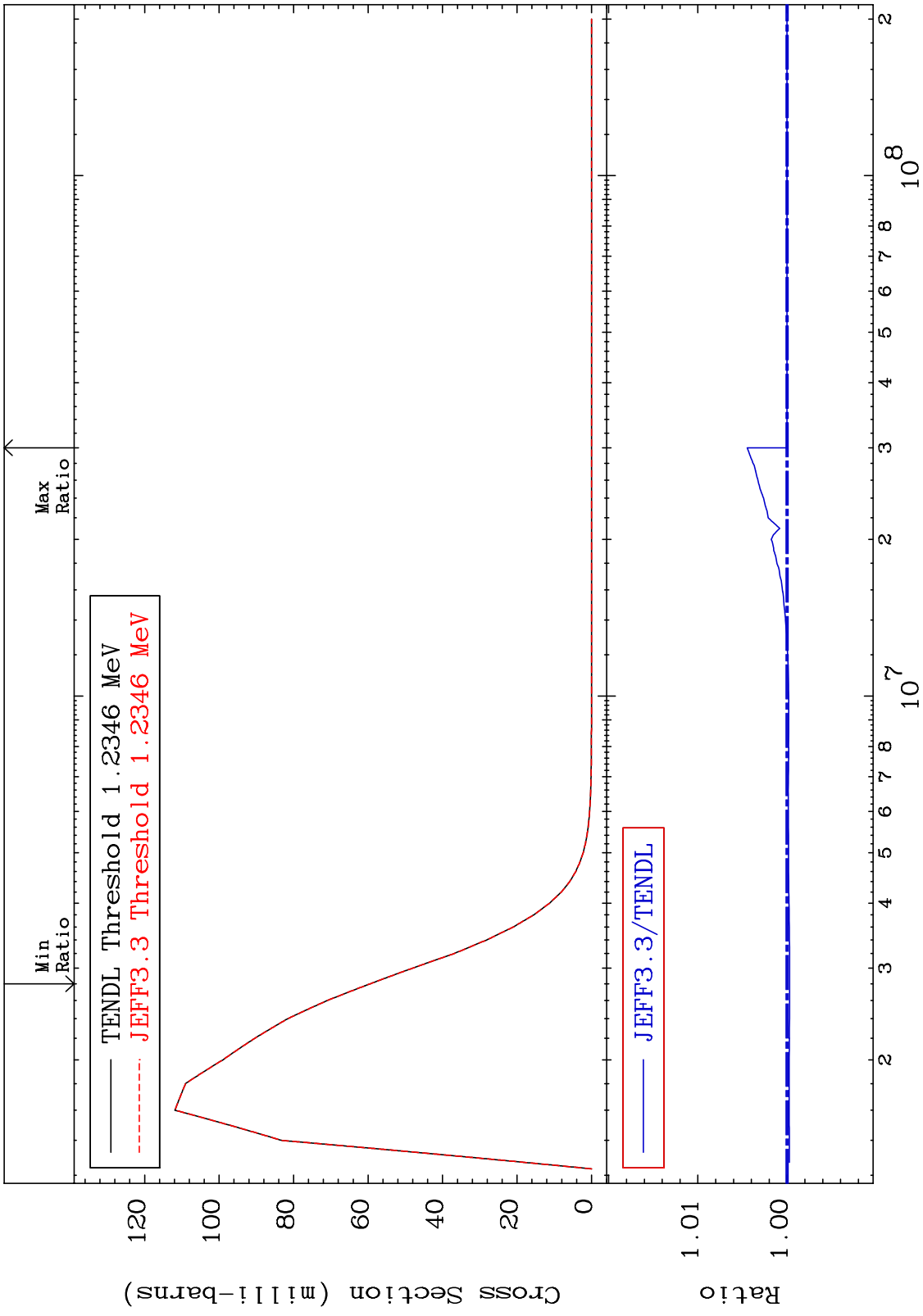
MAT 4725 MT= 64 (n,n') Level Cross Section 47-Ag-107  
 -0.045 To 0.000 %



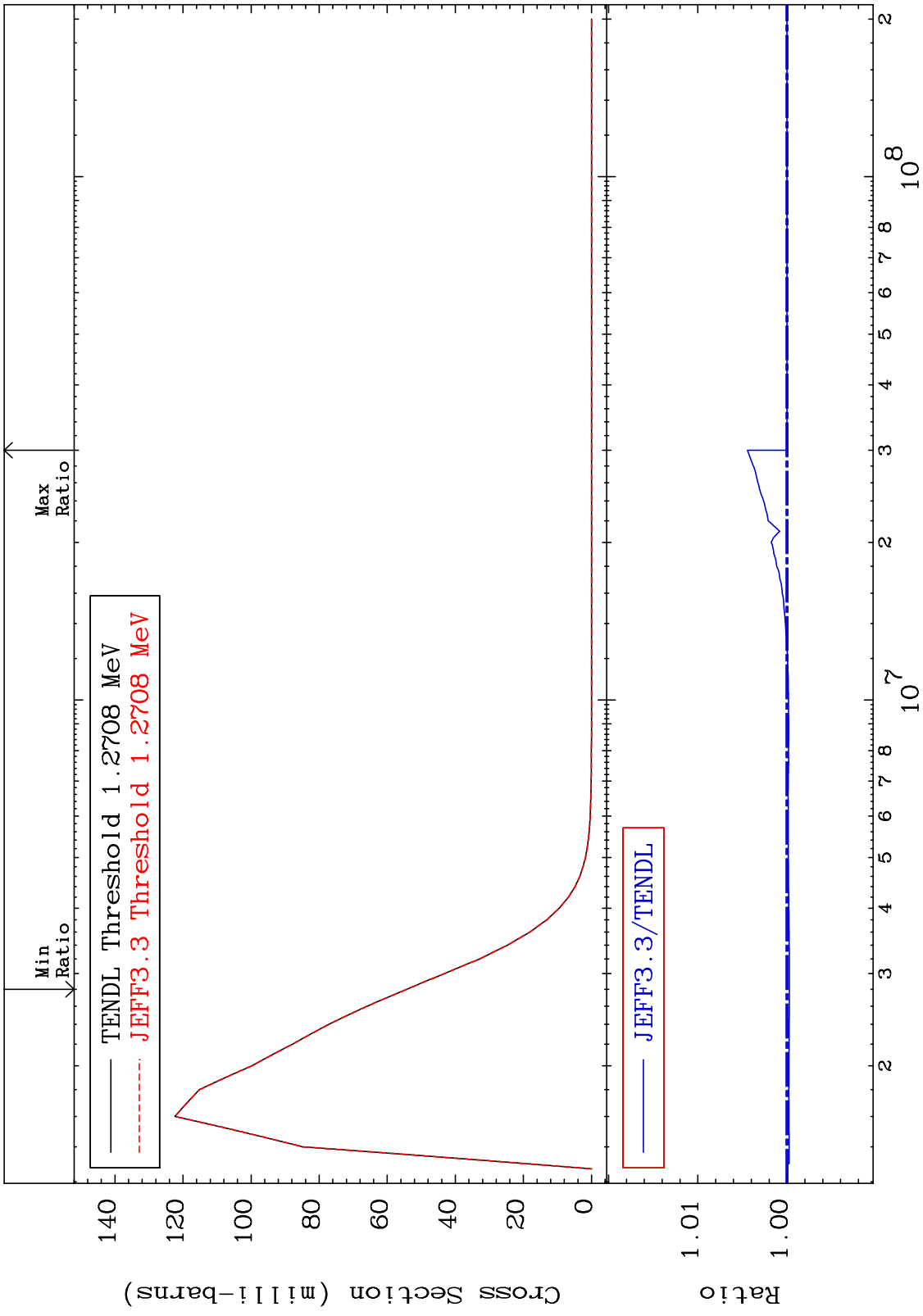
MAT 4725 MT= 65 (n,n') Level Cross Section 47-Ag-107  
 -0.043 To 0.462 %



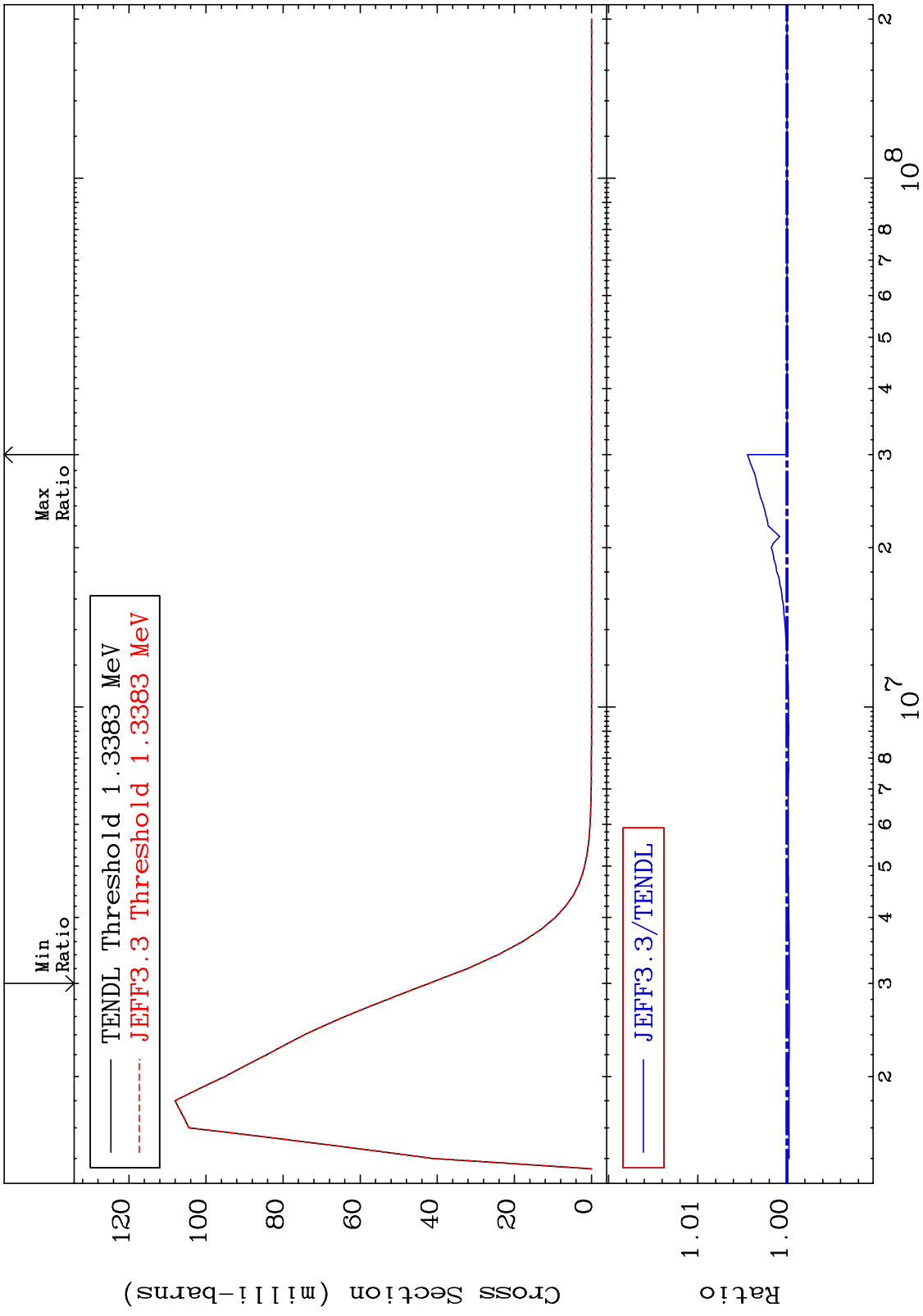
MAT 4725 MT= 66 (n,n') Level Cross Section 47-Ag-107 -0.029 To 0.447 %



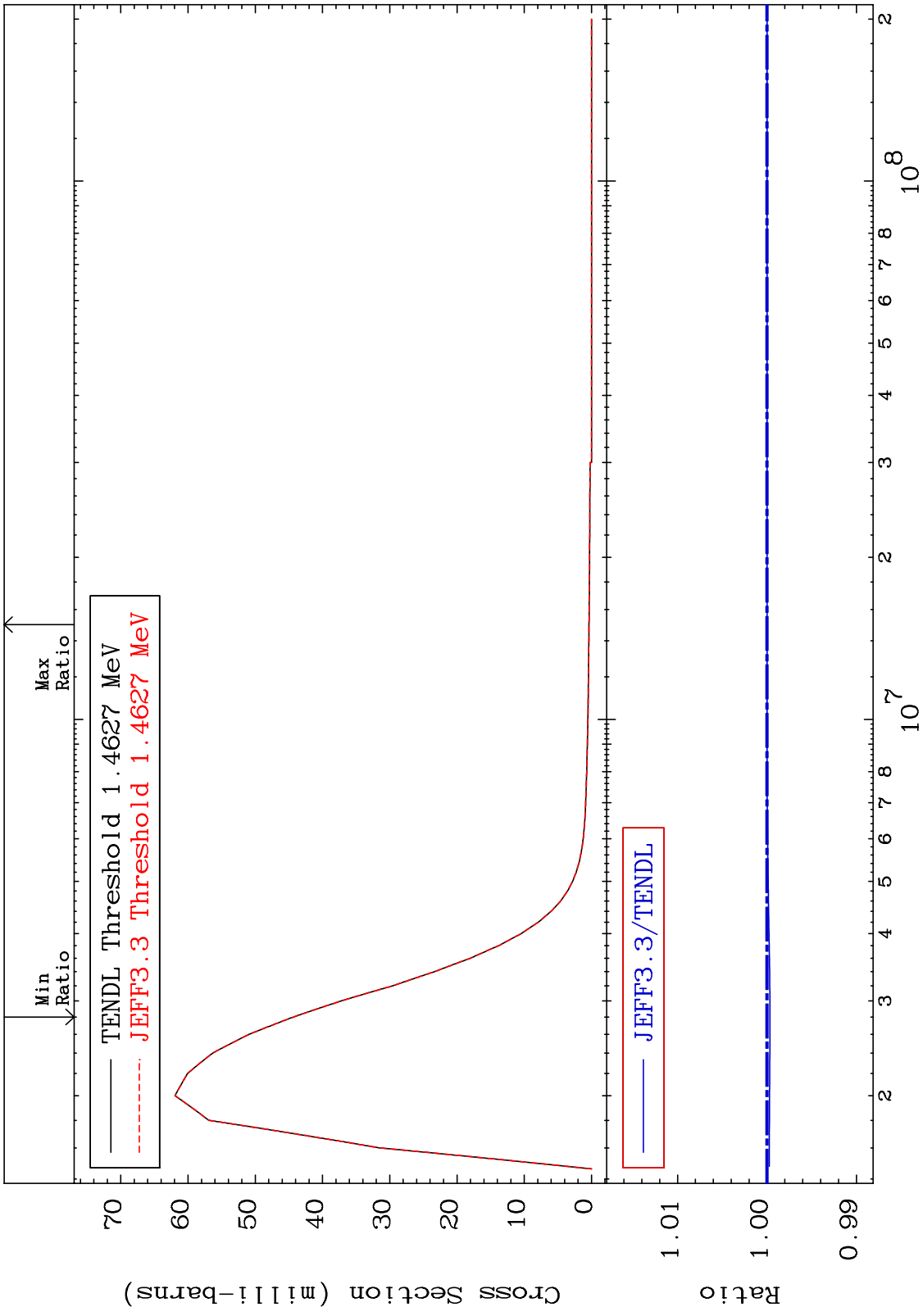
MAT 4725 MT= 67 (n,n') Level Cross Section 47-Ag-107 -0.027 To 0.444 %



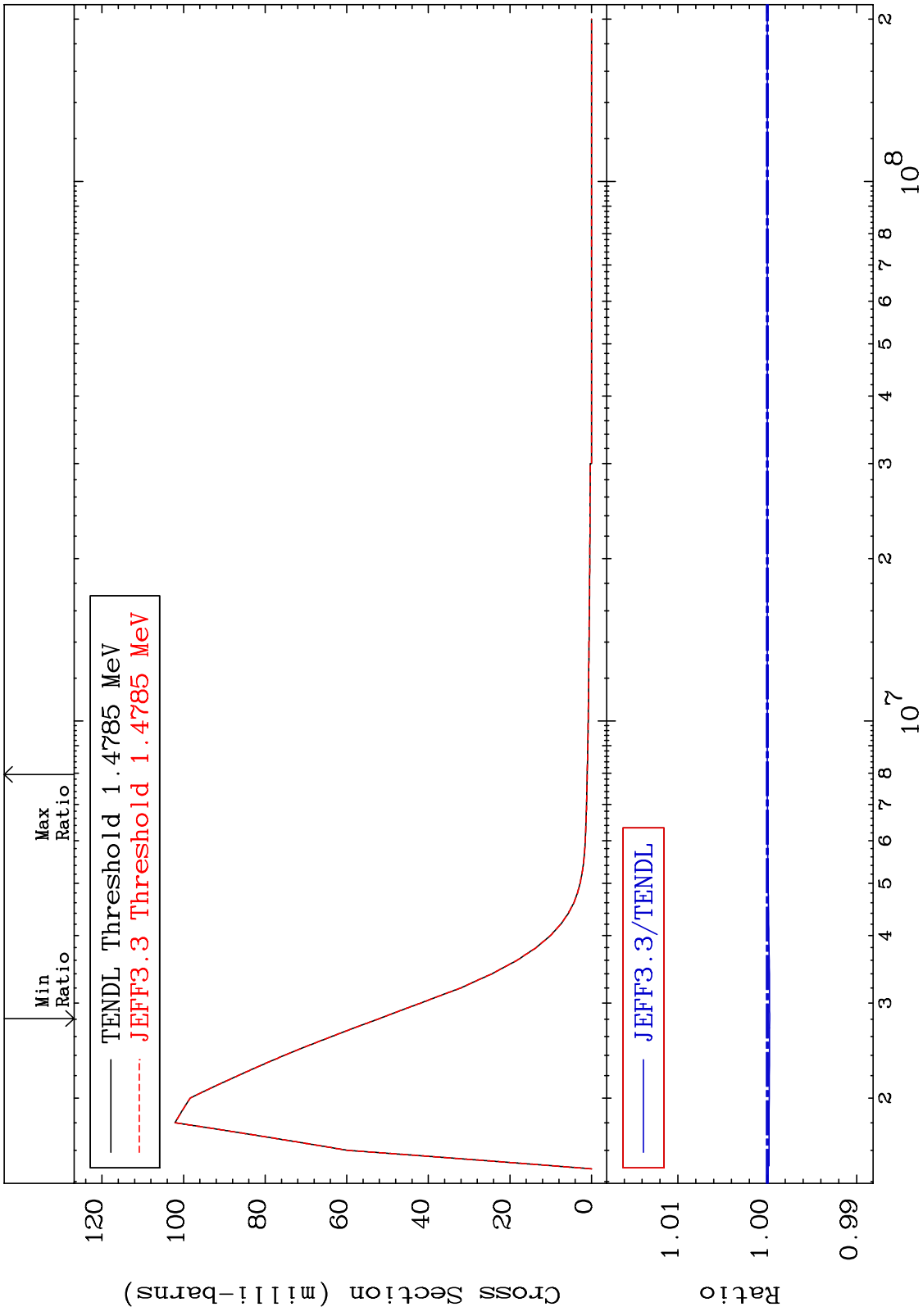
MAT 4725 MT= 68 (n,n') Level Cross Section 47-Ag-107  
 -0.027 To 0.444 %



MAT 4725 MT= 69 (n,n') Level Cross Section 47-Ag-107  
 -0.033 To 0.000 %

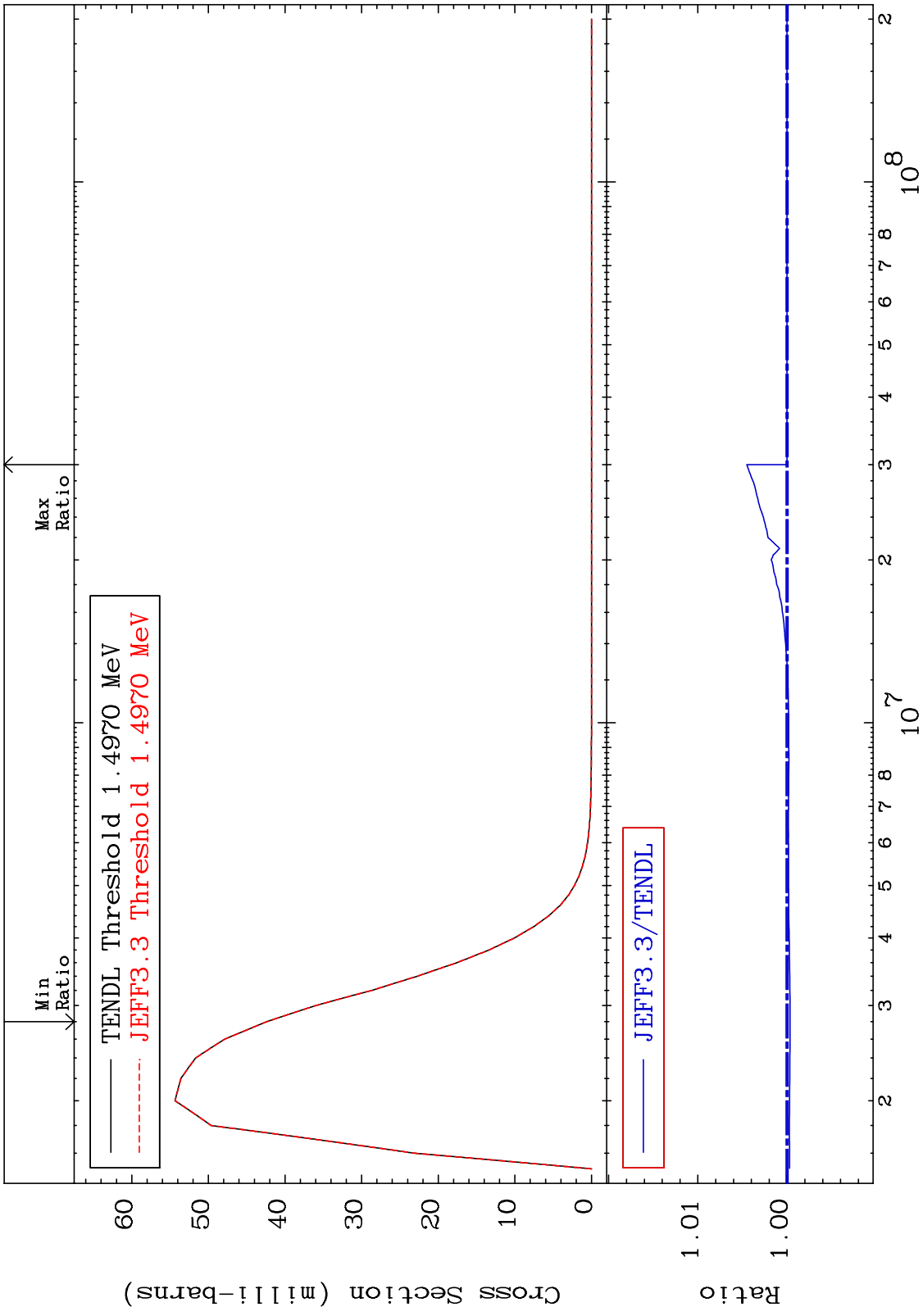


MAT 4725 MT= 70 (n,n') Level Cross Section 47-Ag-107  
 -0.026 To 0.000 %

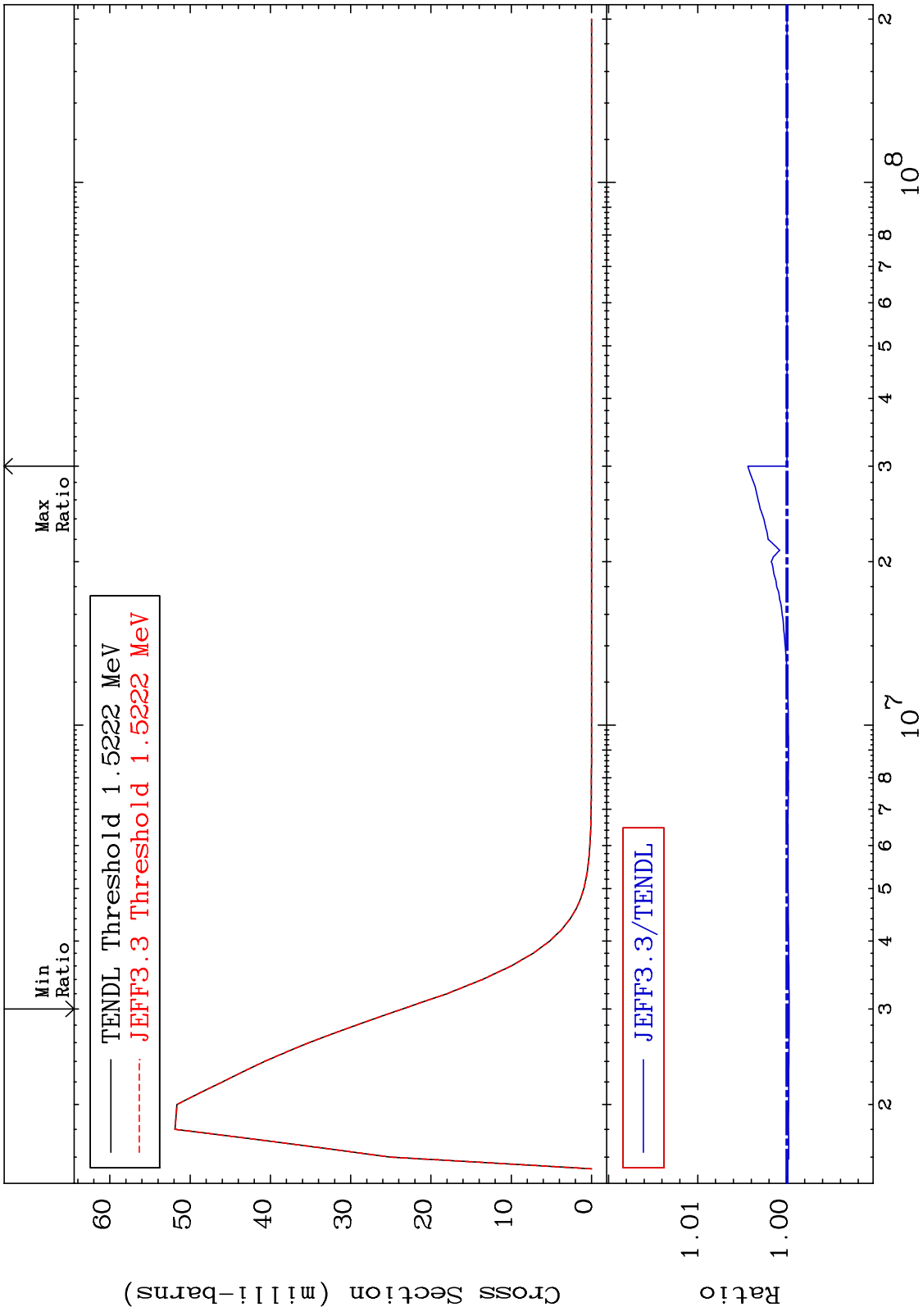




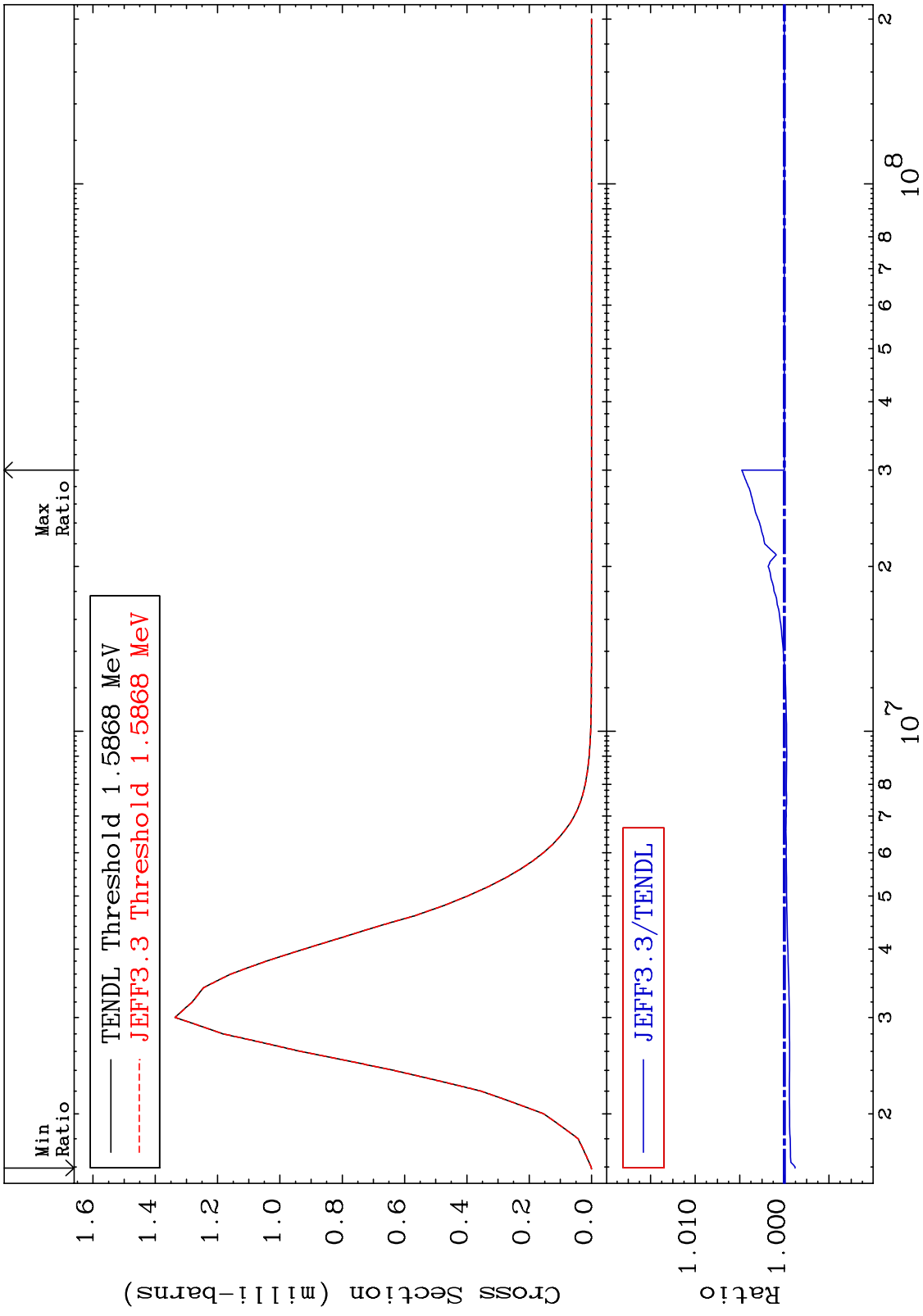
MAT 4725 MT= 71 (n,n') Level Cross Section 47-Ag-107  
-0.033 To 0.451 %



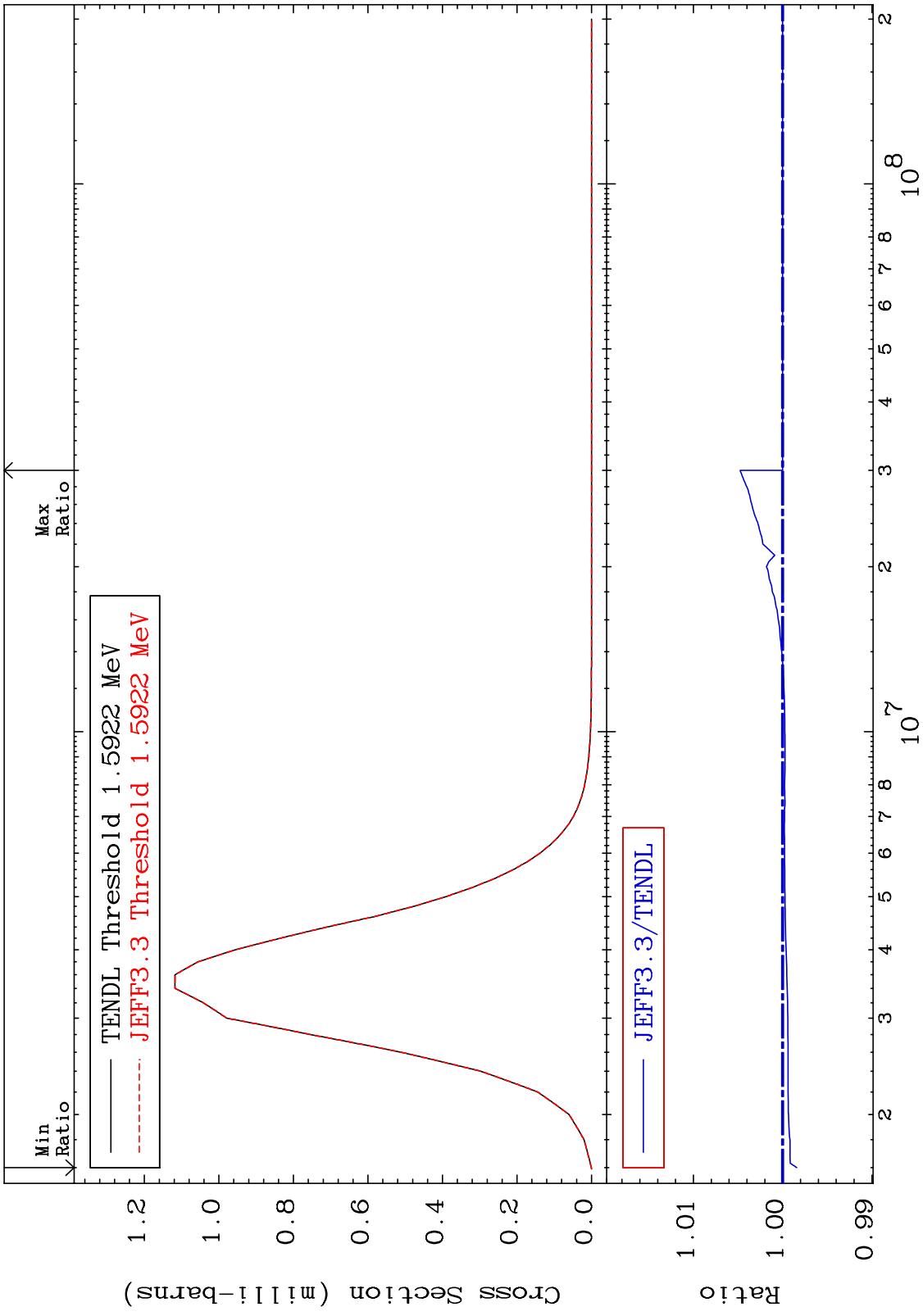
MAT 4725 MT= 72 (n,n') Level Cross Section 47-Ag-107  
 -0.025 To 0.439 %



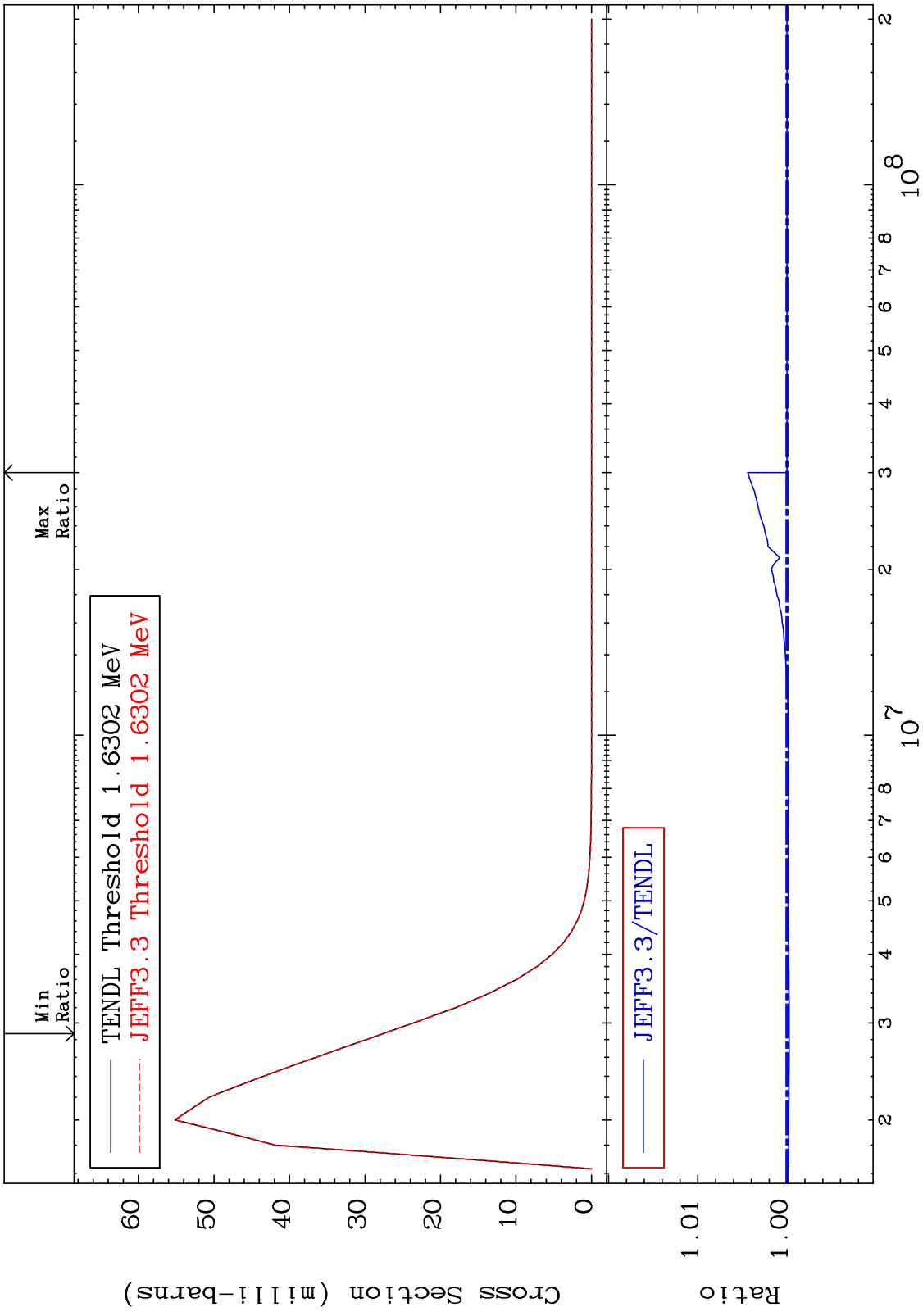
MAT 4725 MT= 73 (n,n') Level Cross Section 47-Ag-107  
 -0.120 To 0.477 %



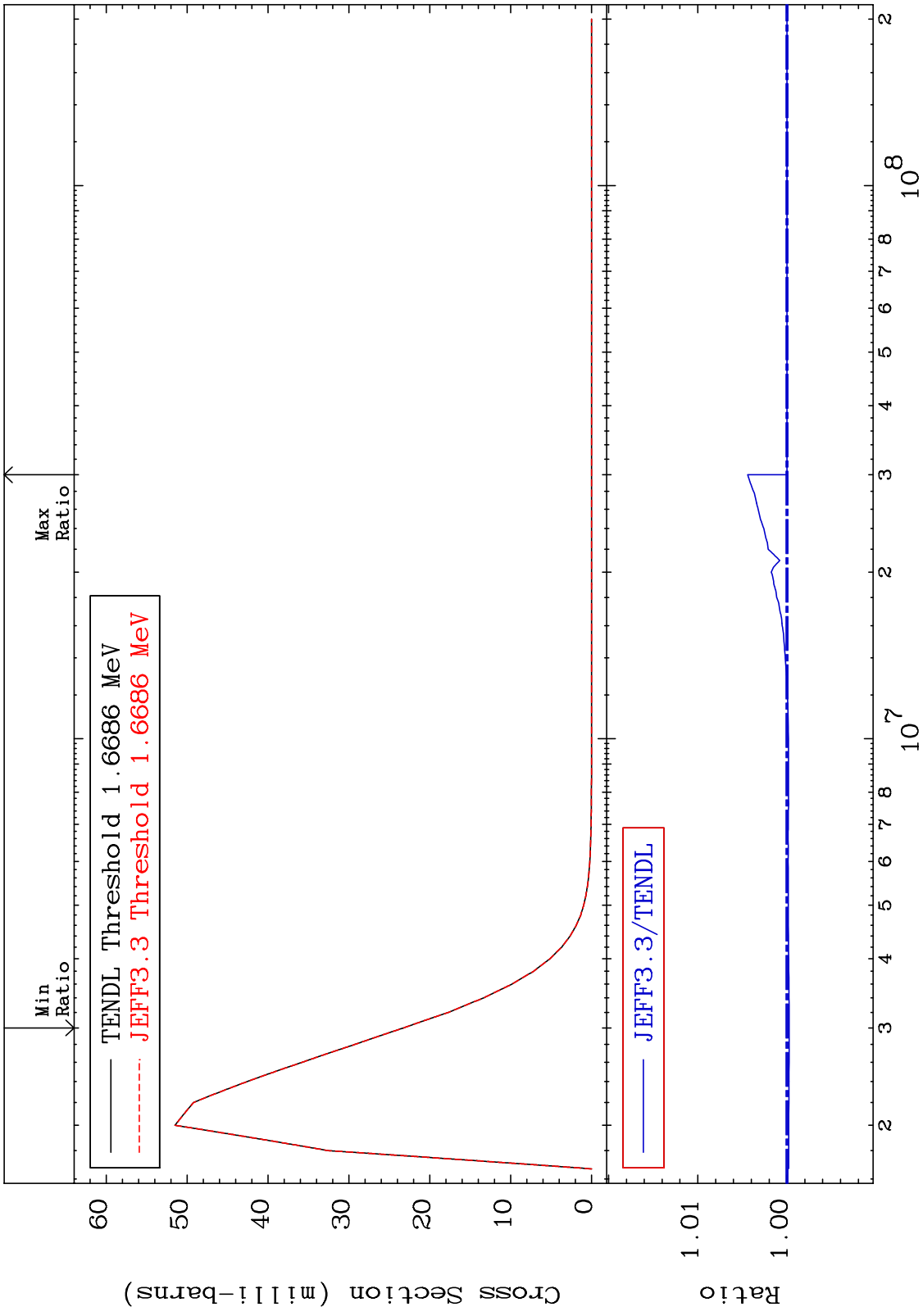
MAT 4725 MT= 74 (n,n') Level Cross Section 47-Ag-107 -0.158 To 0.477 %



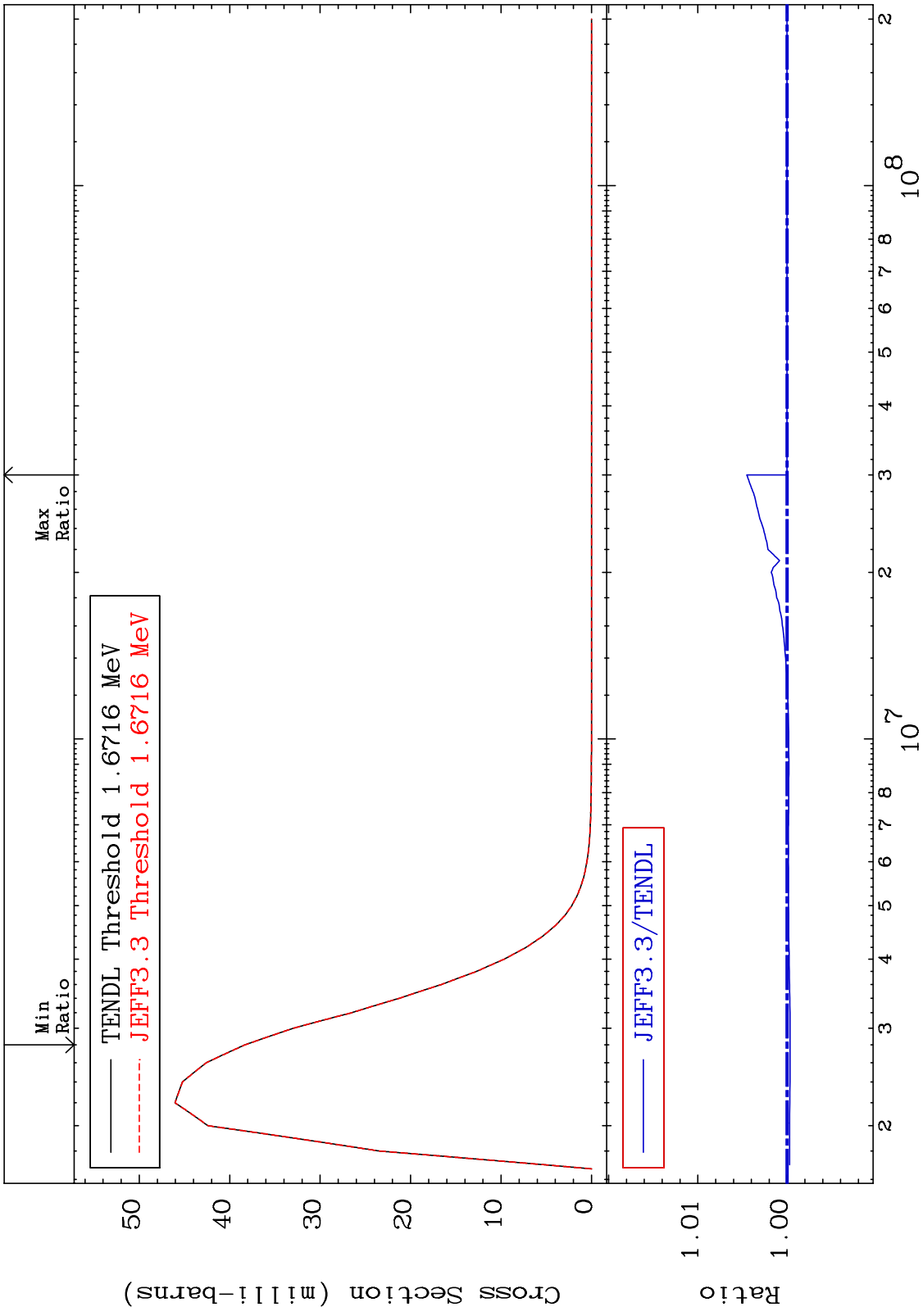
MAT 4725 MT= 75 (n,n') Level Cross Section -0.024 To 0.441 % 47-Ag-107



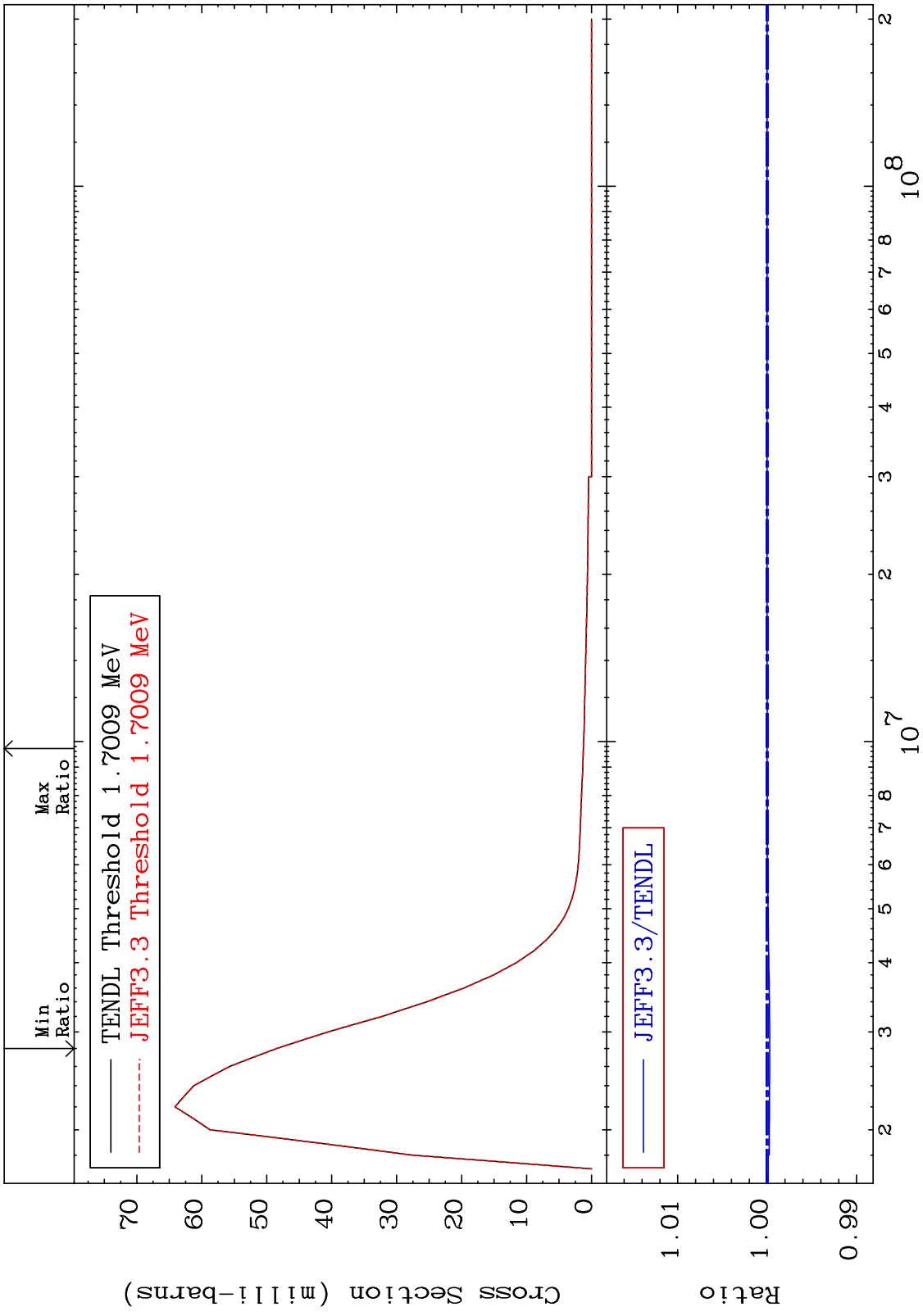
MAT 4725 MT= 76 (n,n') Level Cross Section -0.025 To 0.441 % 47-Ag-107



MAT 4725 MT= 77 (n,n') Level Cross Section 47-Ag-107  
 -0.033 To 0.451 %

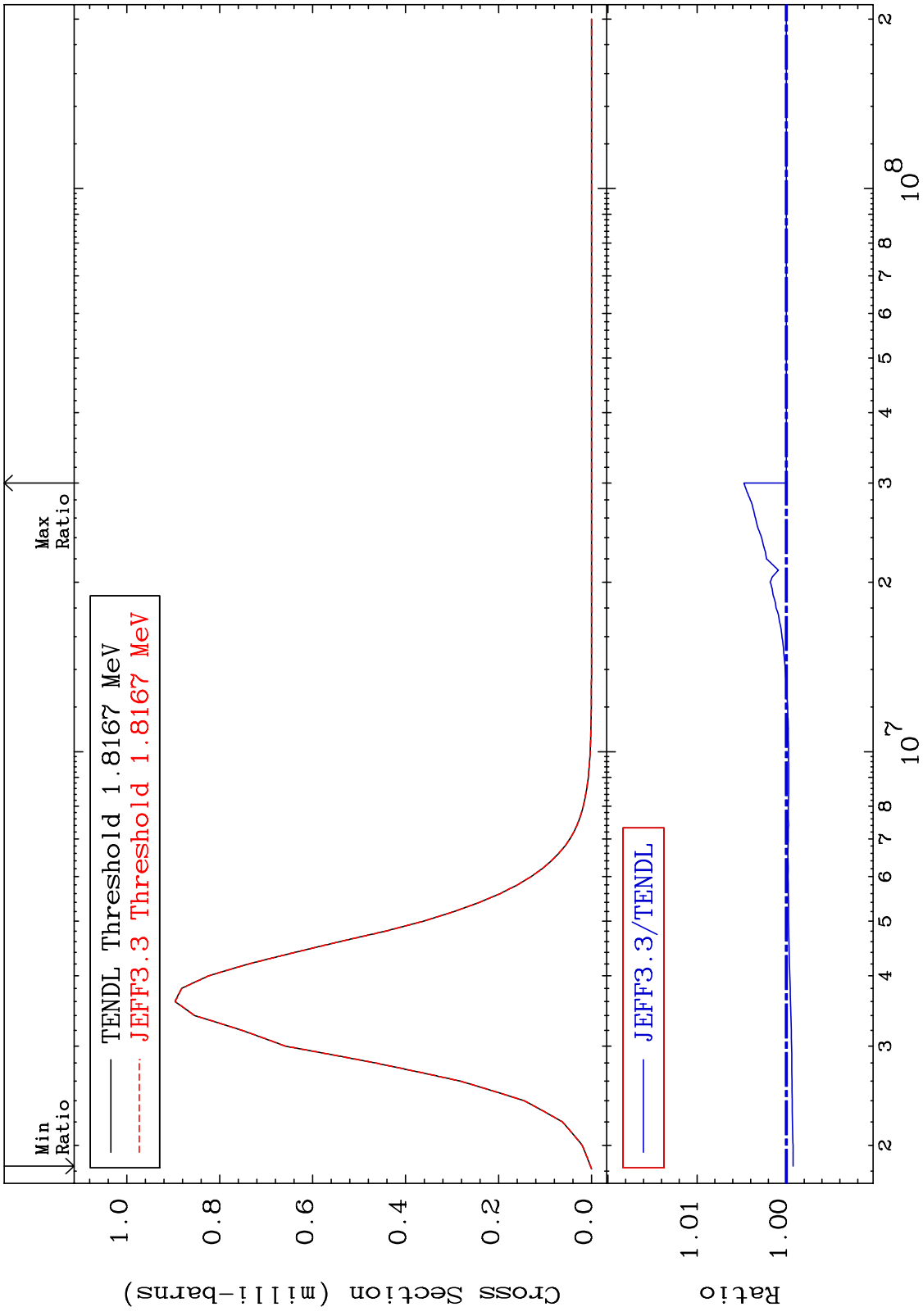


MAT 4725 MT= 78 (n,n') Level Cross Section 47-Ag-107  
-0.028 To 0.000 %

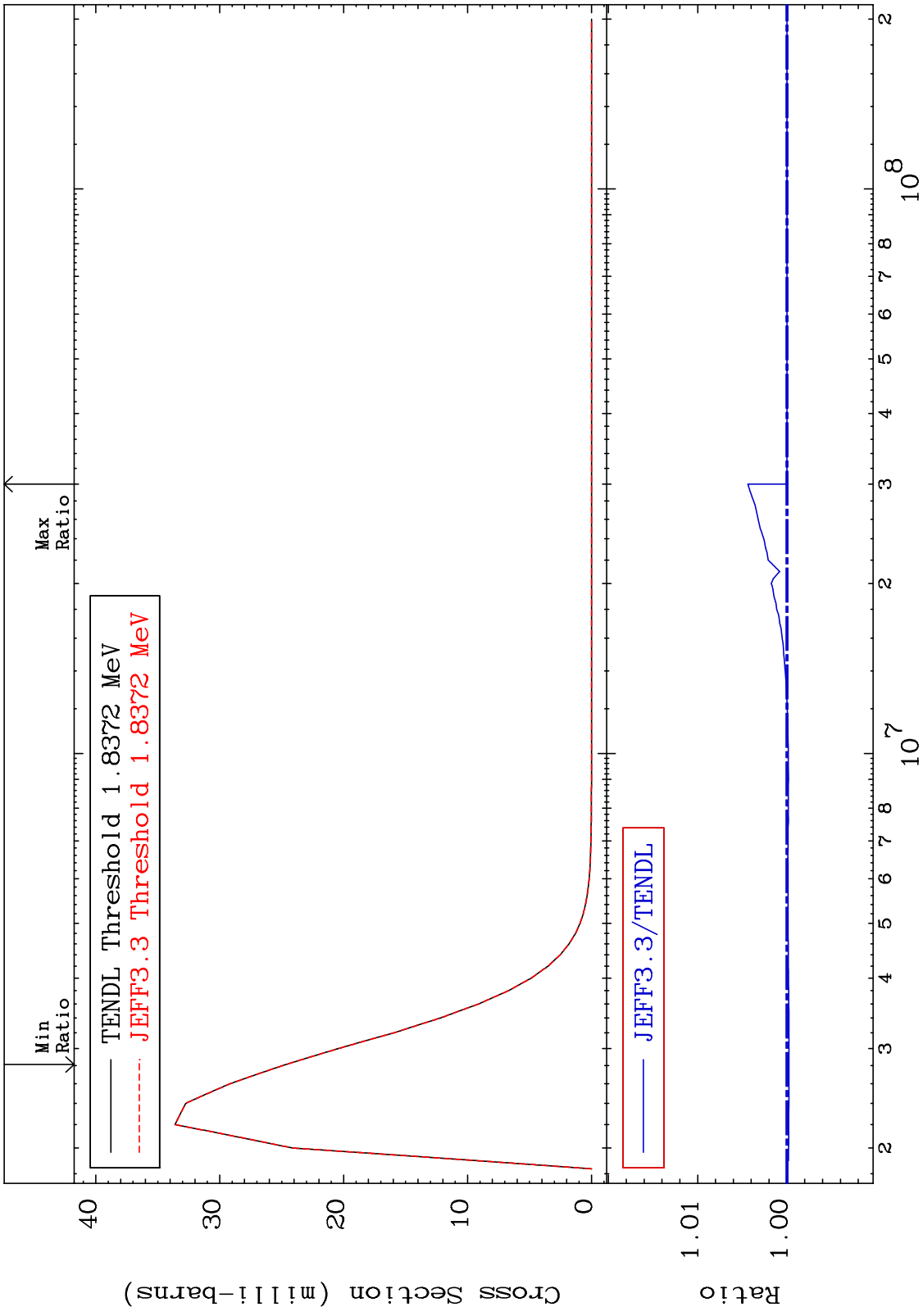




MAT 4725 MT= 79 (n,n') Level Cross Section 47-Ag-107  
 -0.076 To 0.476 %



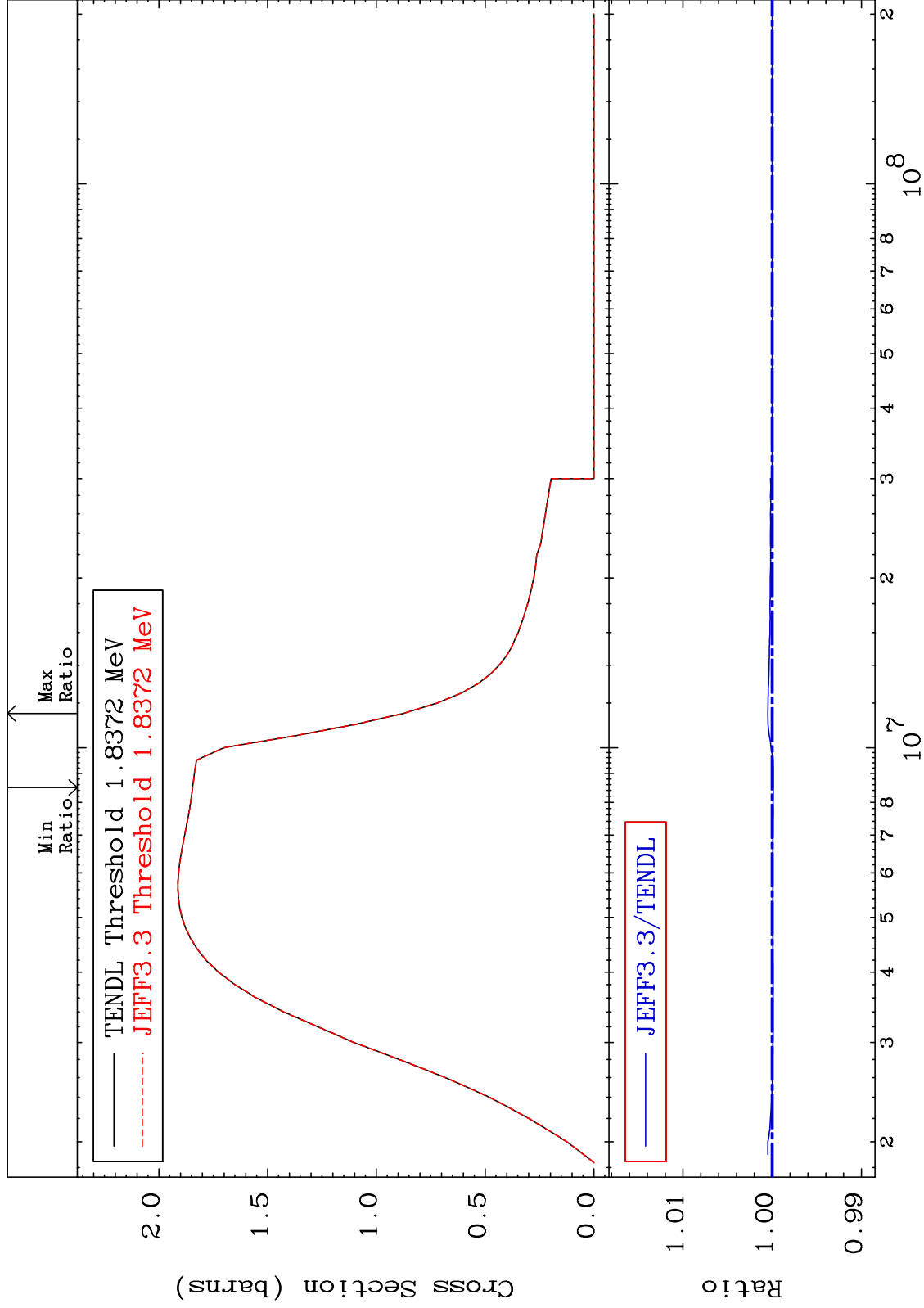
MAT 4725 MT= 80 (n,n') Level Cross Section 47-Ag-107 -0.024 To 0.438 %



MAT 4725

(n,n') Continuum  
Cross Section

47-Ag-107  
-0.011 To 0.050 %



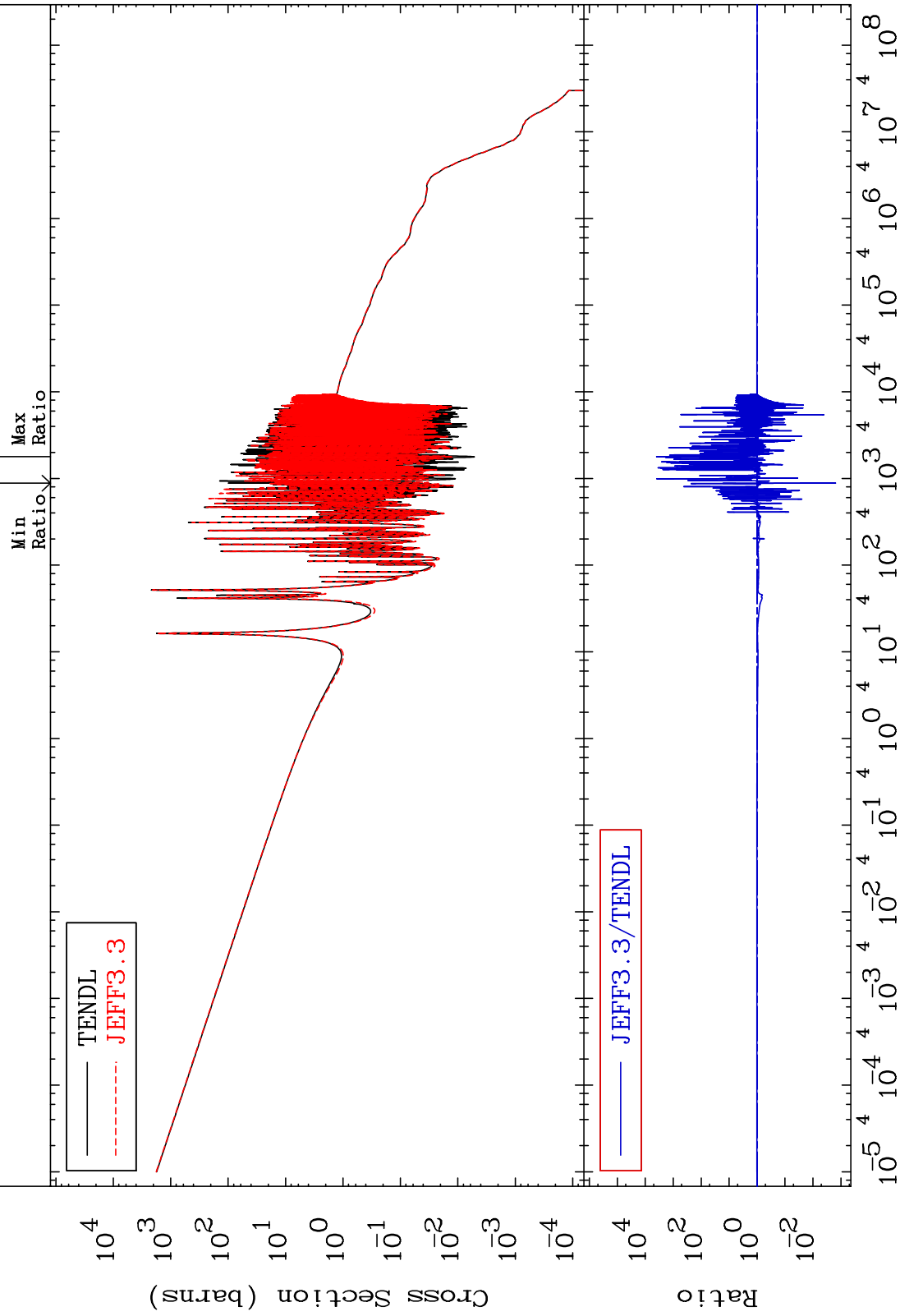
MAT 4725

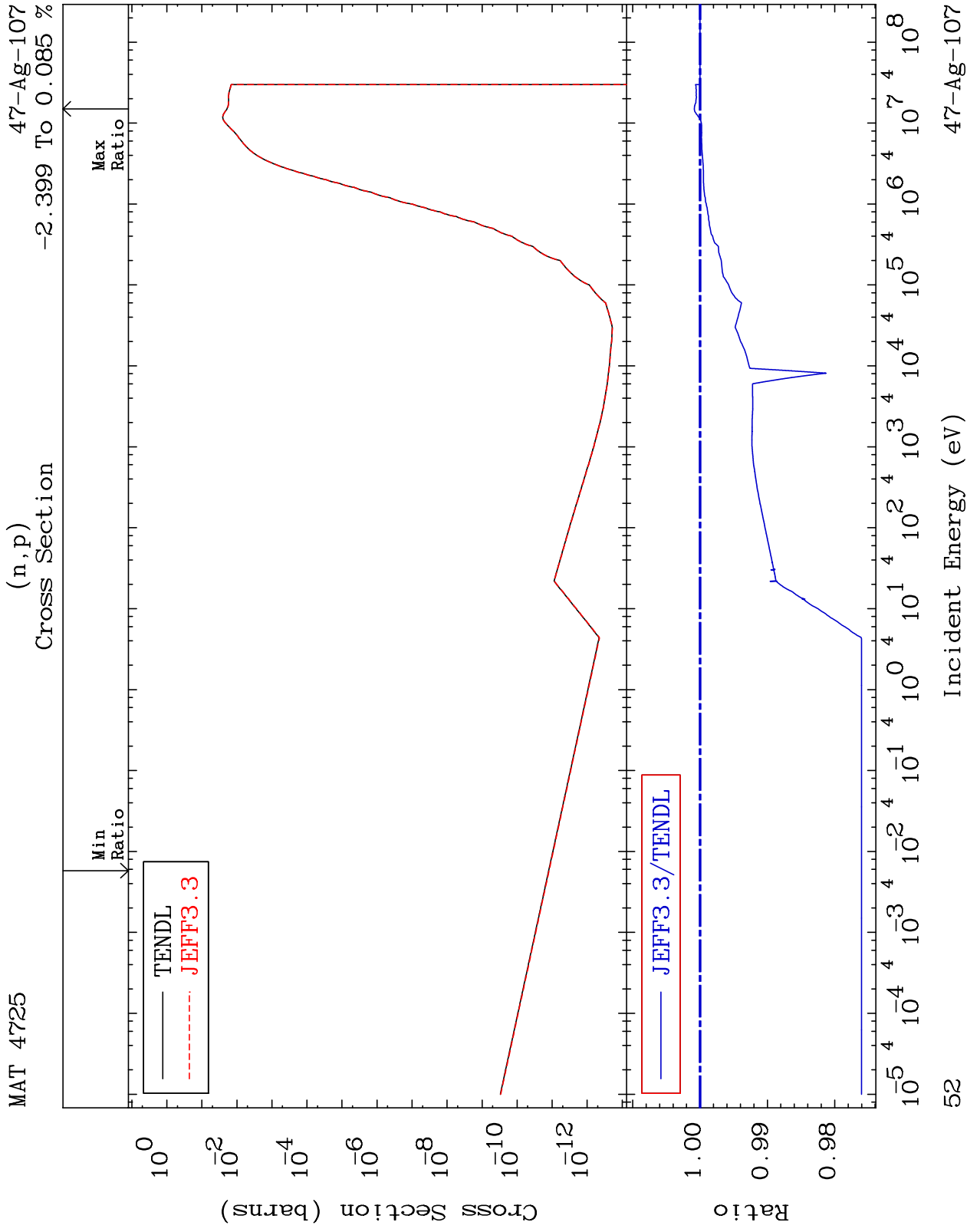
(n,  $\gamma$ )

47-Ag-107

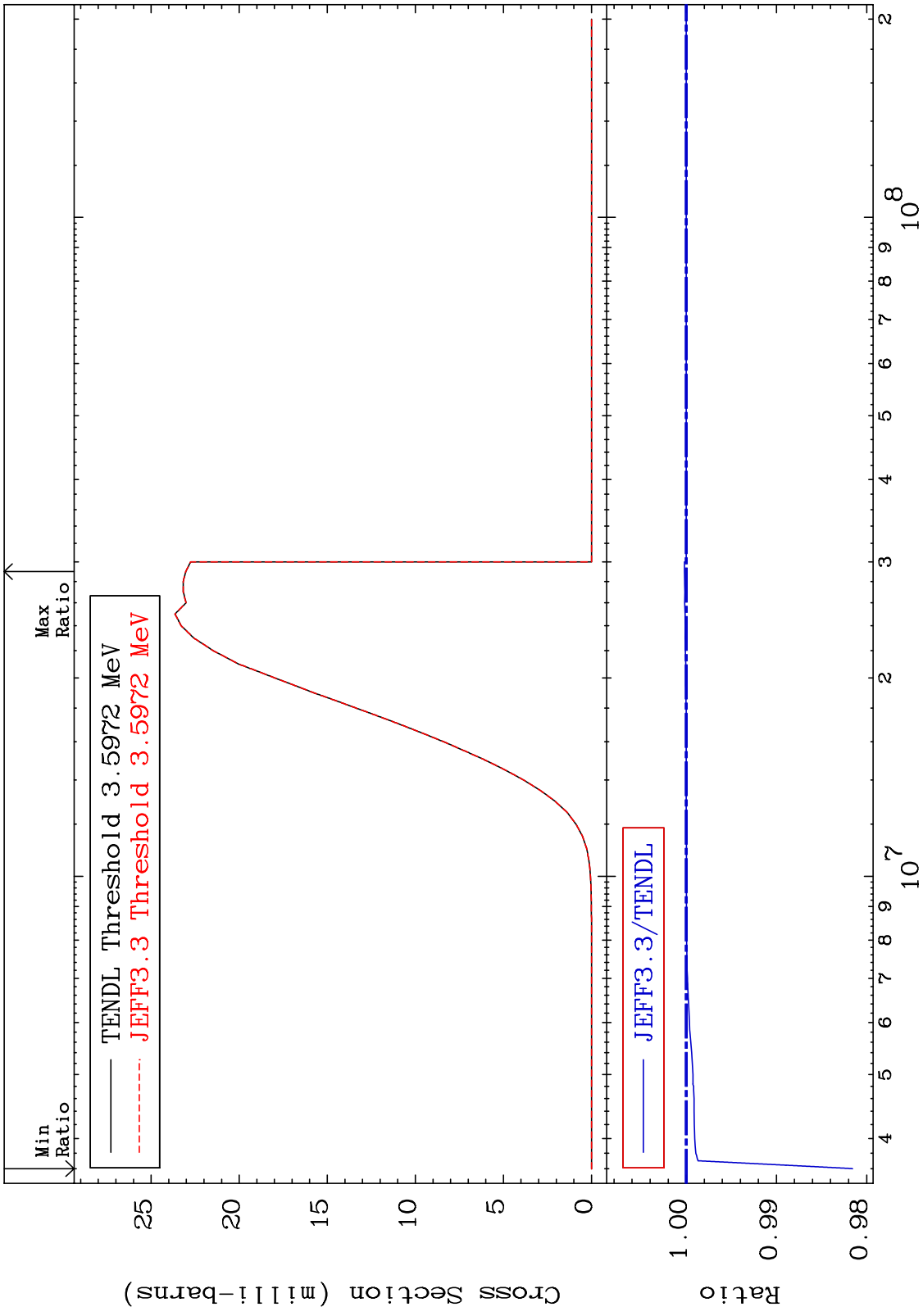
-99.84 To 9999. %

Cross Section





MAT 4725 (n,d) 47-Ag-107  
Cross Section -1.843 To 0.020 %



MAT 4725

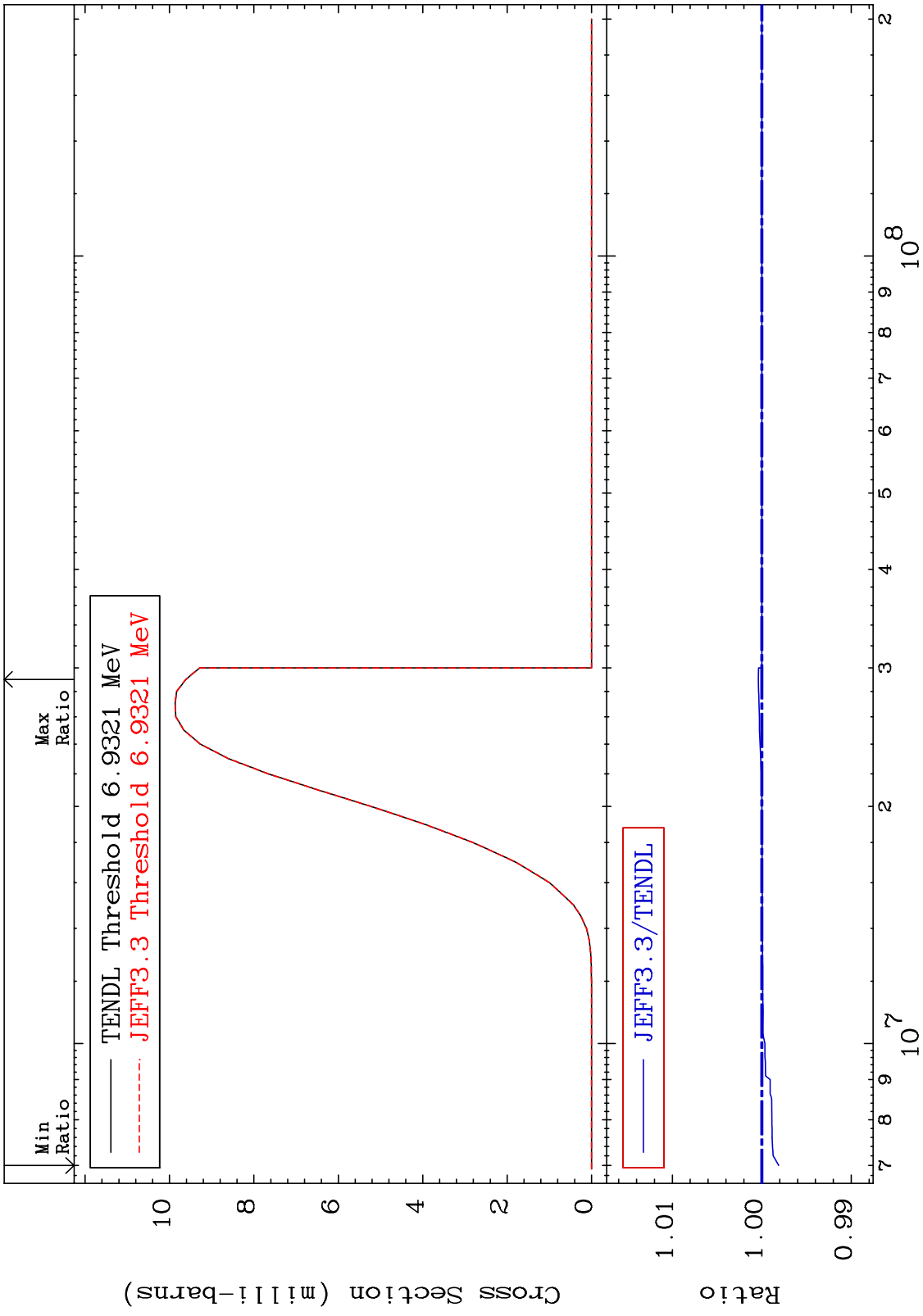
(n, t)

47-Ag-107

Cross Section

Cross Section

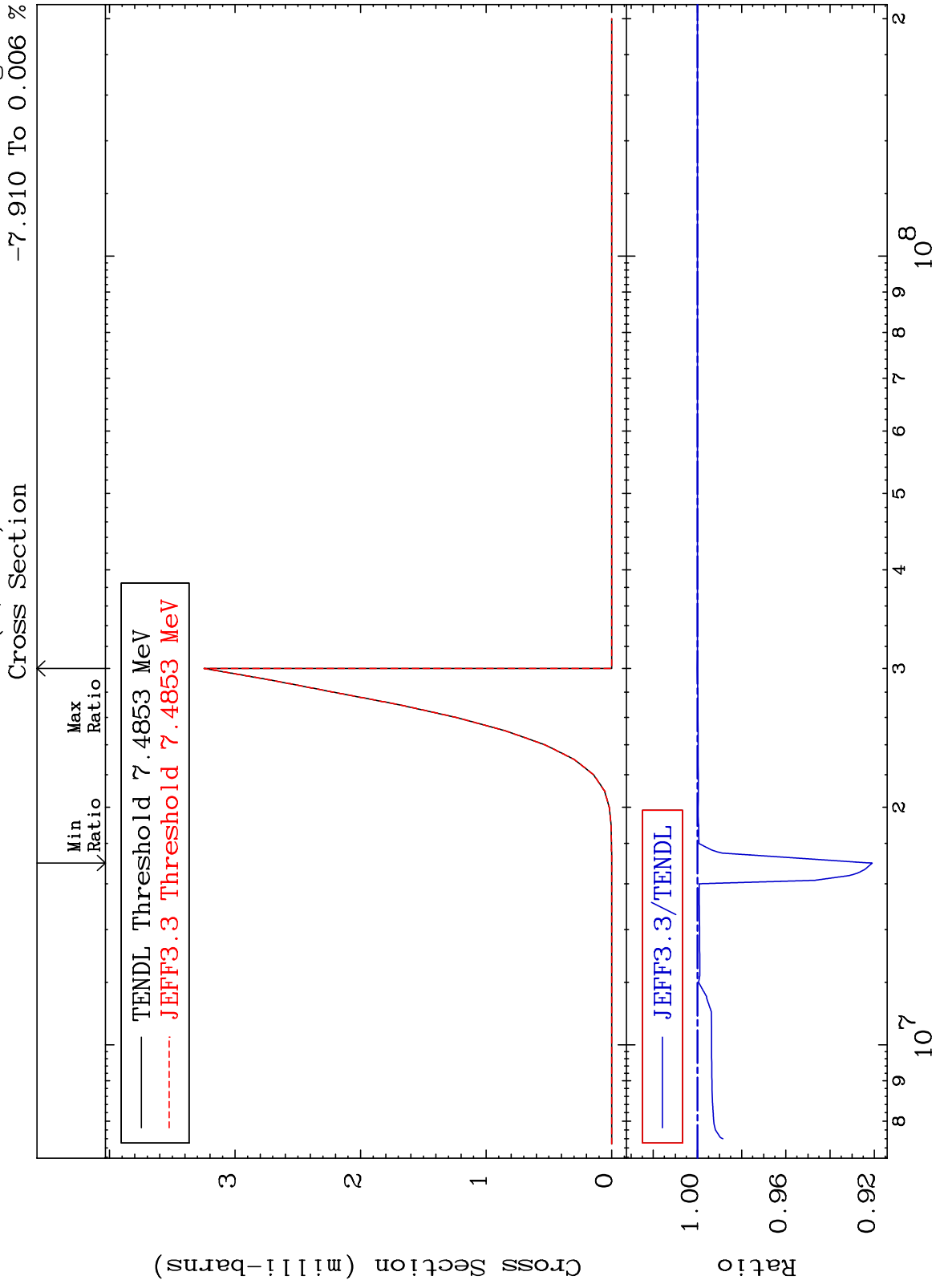
-0.188 To 0.040 %



47-Ag-107

Incident Energy (eV)

54





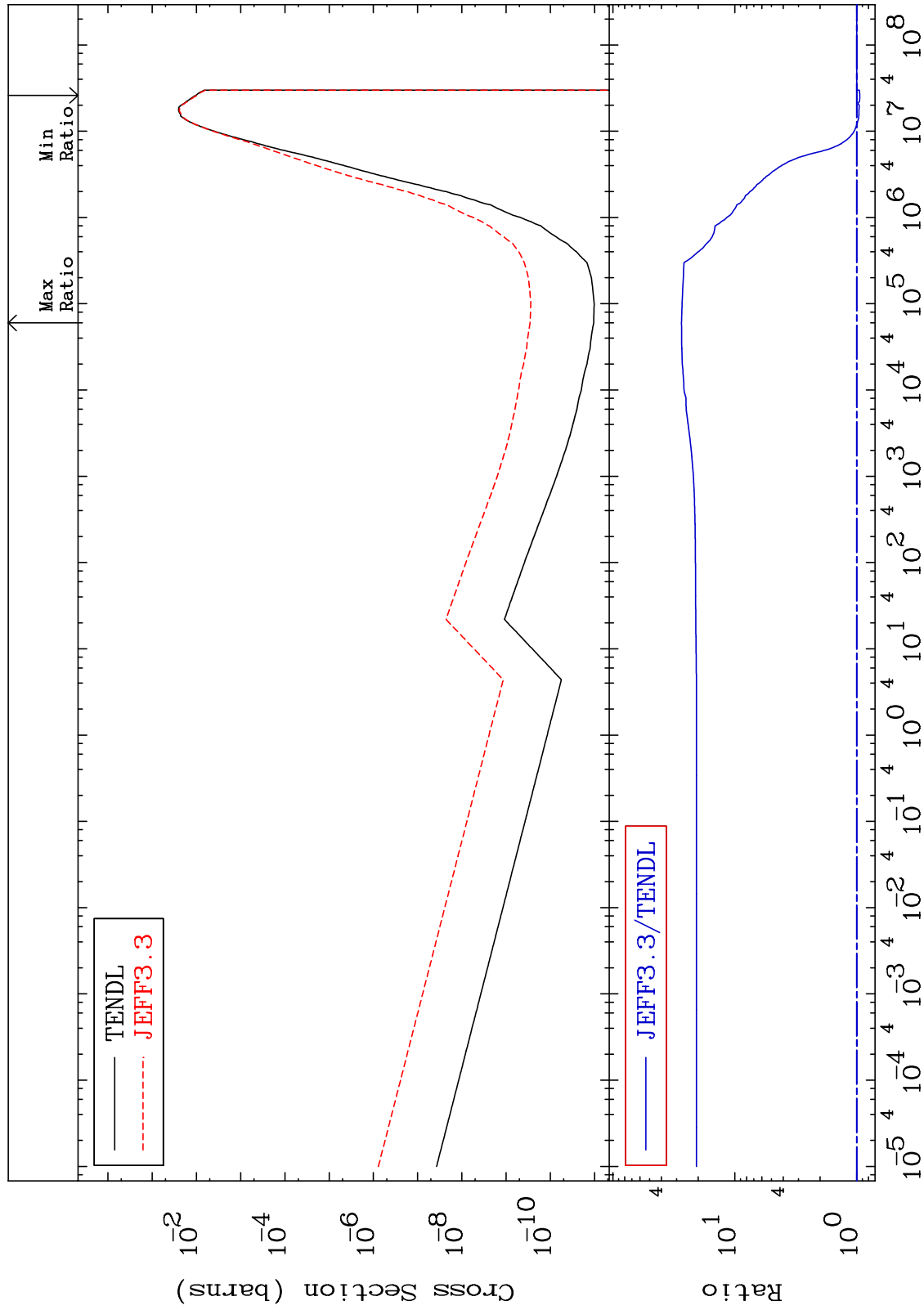
MAT 4725

(n,  $\alpha$ )

47-Ag-107

Cross Section

-5.711 To 2639. %



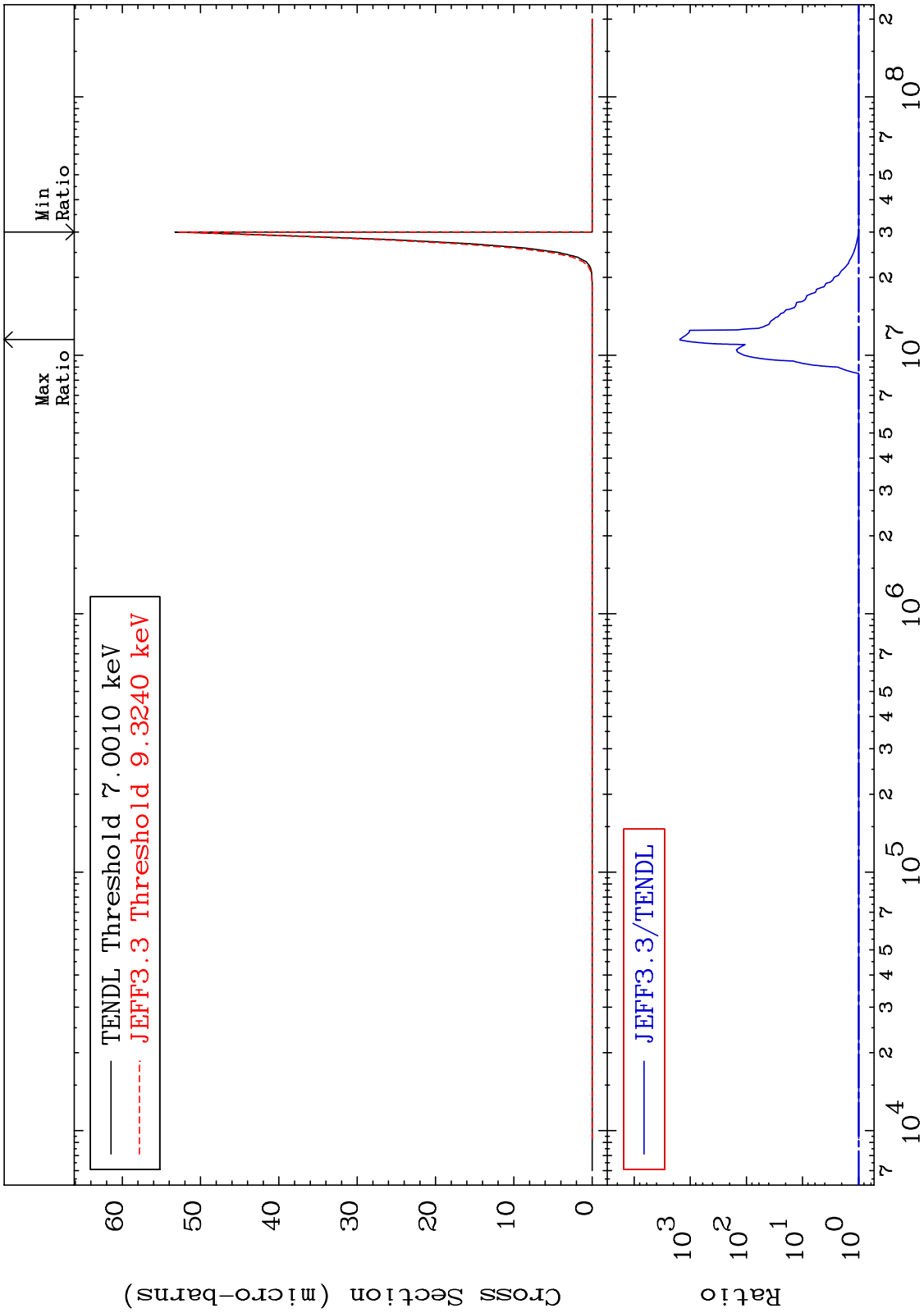
MAT 4725

(n,2α)

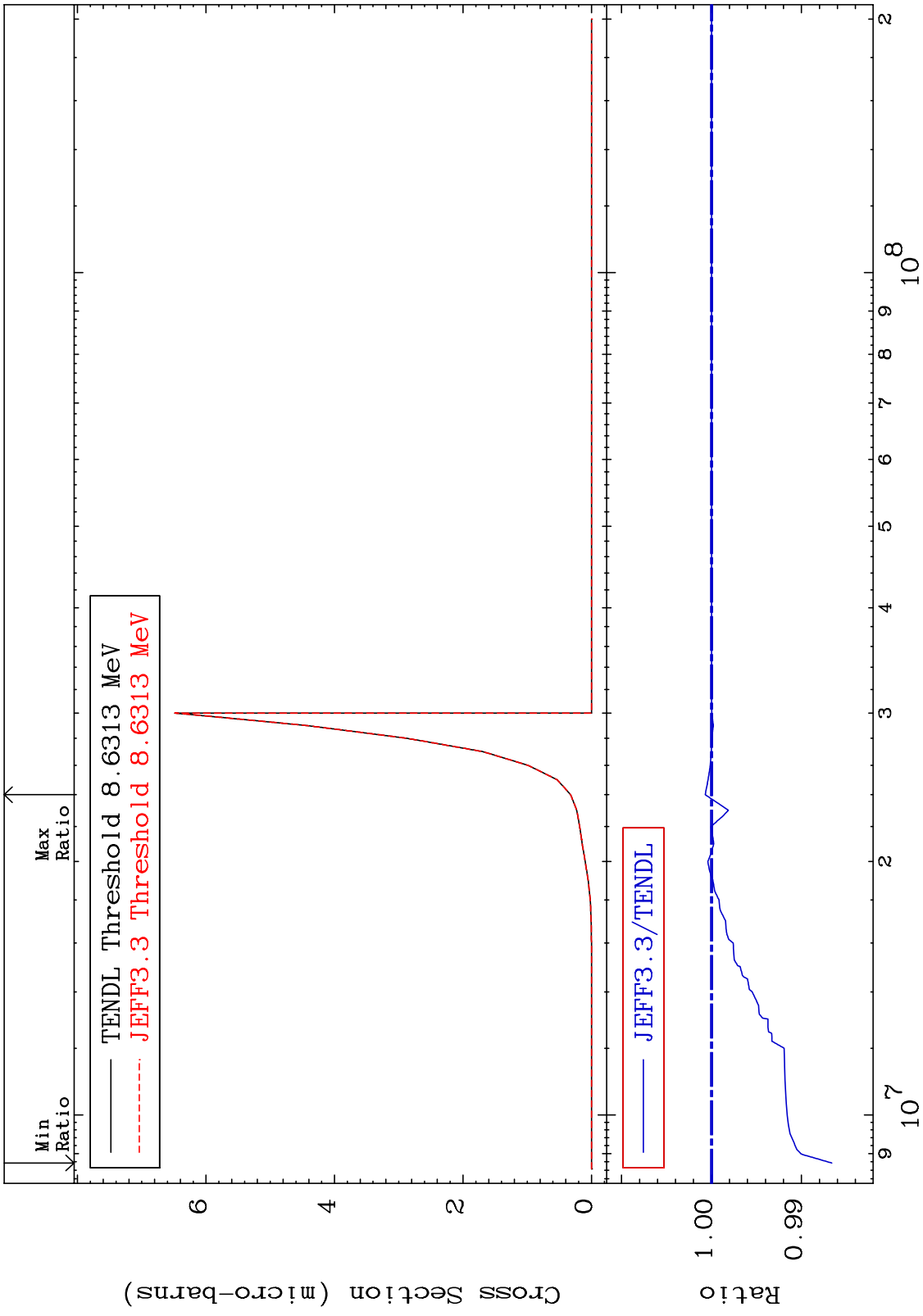
47-Ag-107

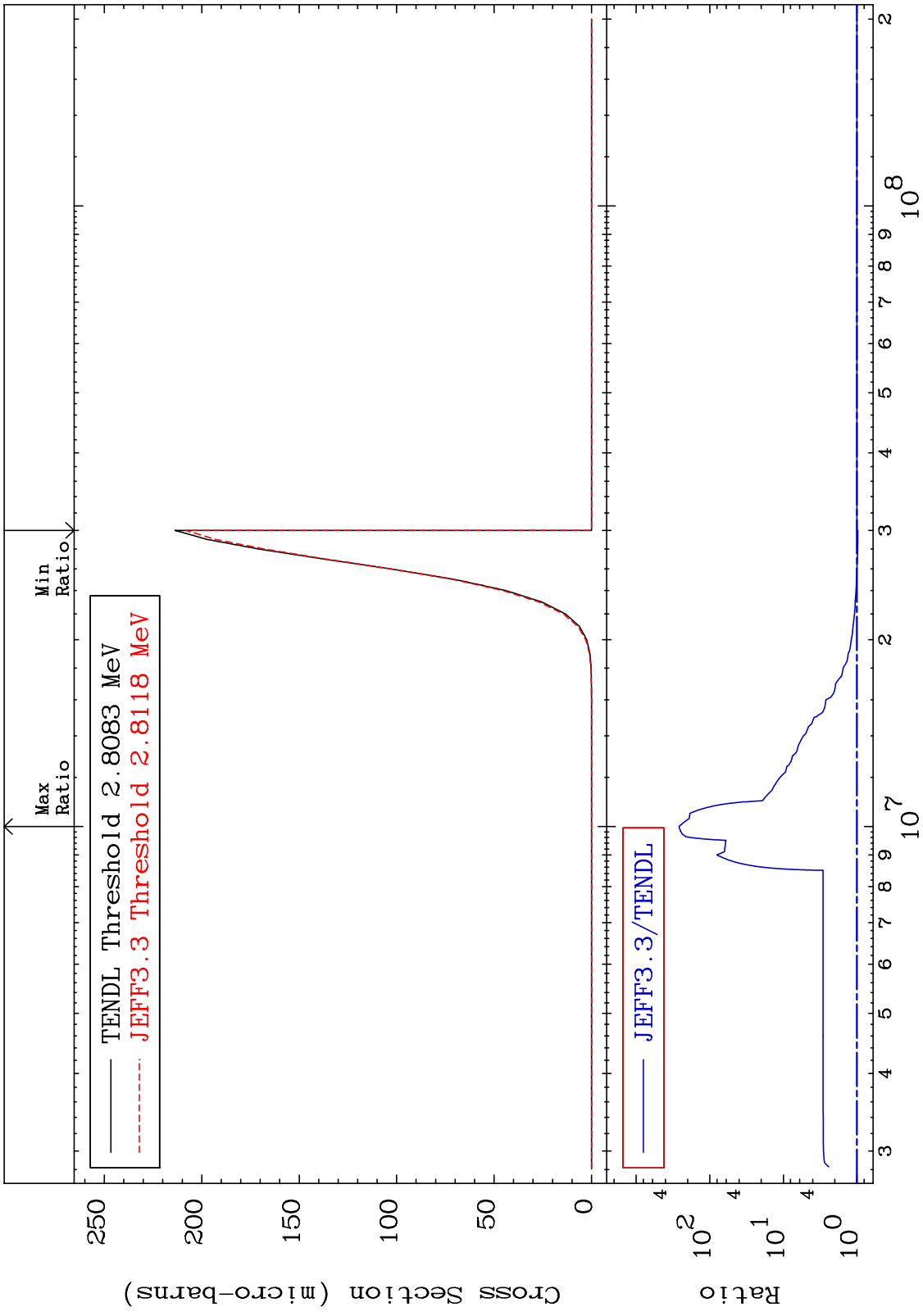
Cross Section

-0.577 To 9999. %



MAT 4725 (n,2p) Cross Section 47-Ag-107 -1.336 To 0.070 %





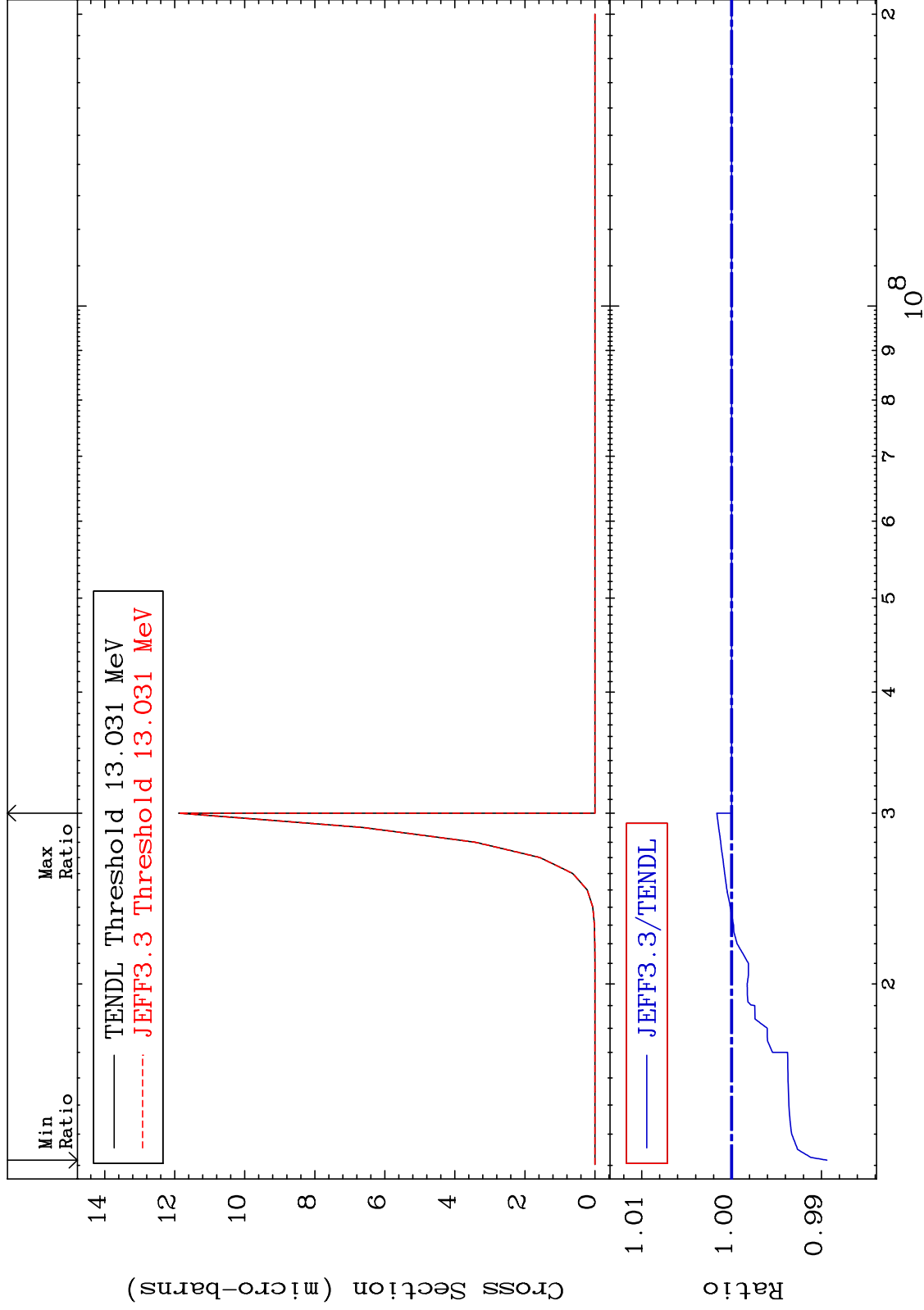
MAT 4725

(n,p) d

47-Ag-107

Cross Section

-1.062 To 0.164 %

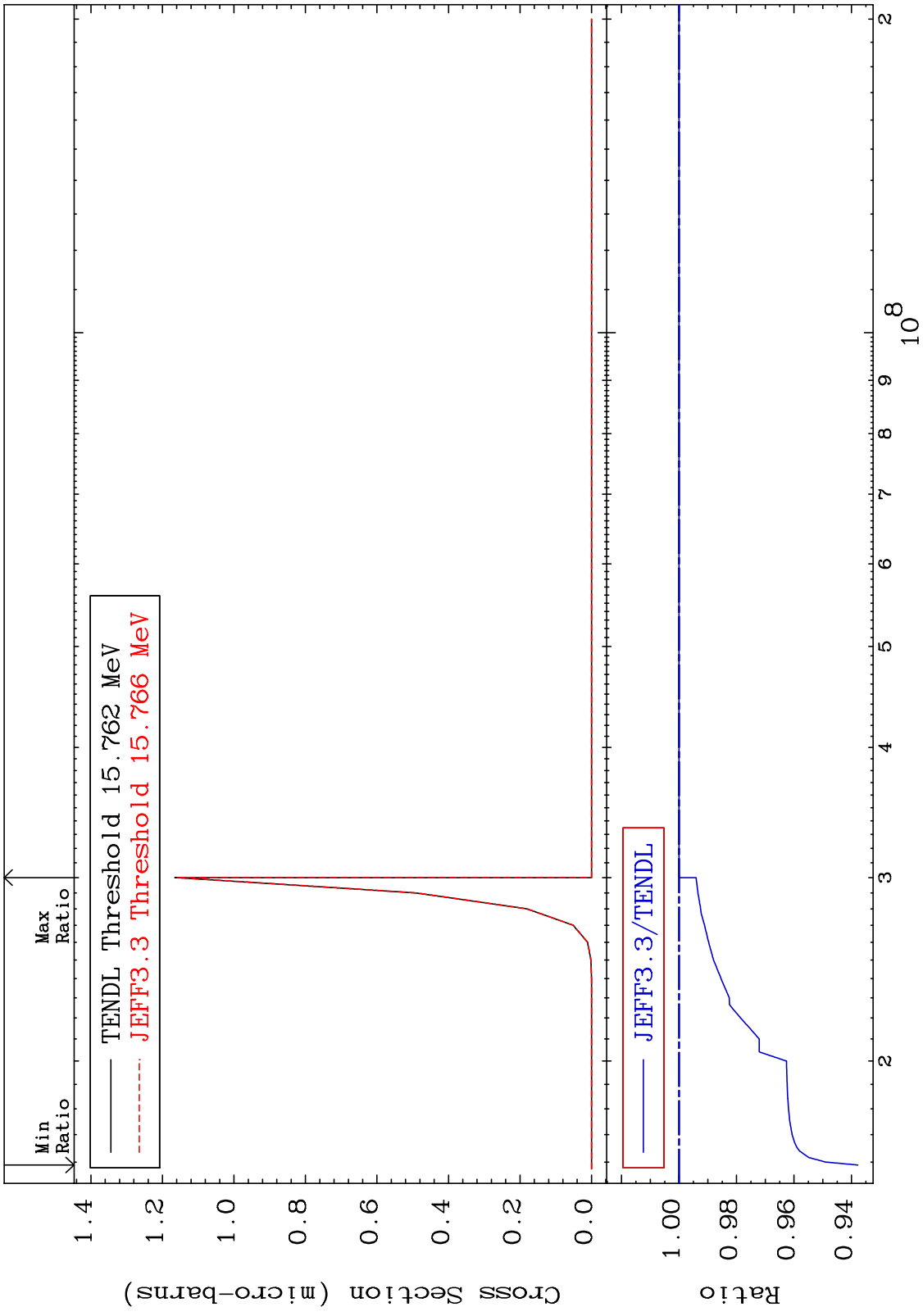


60

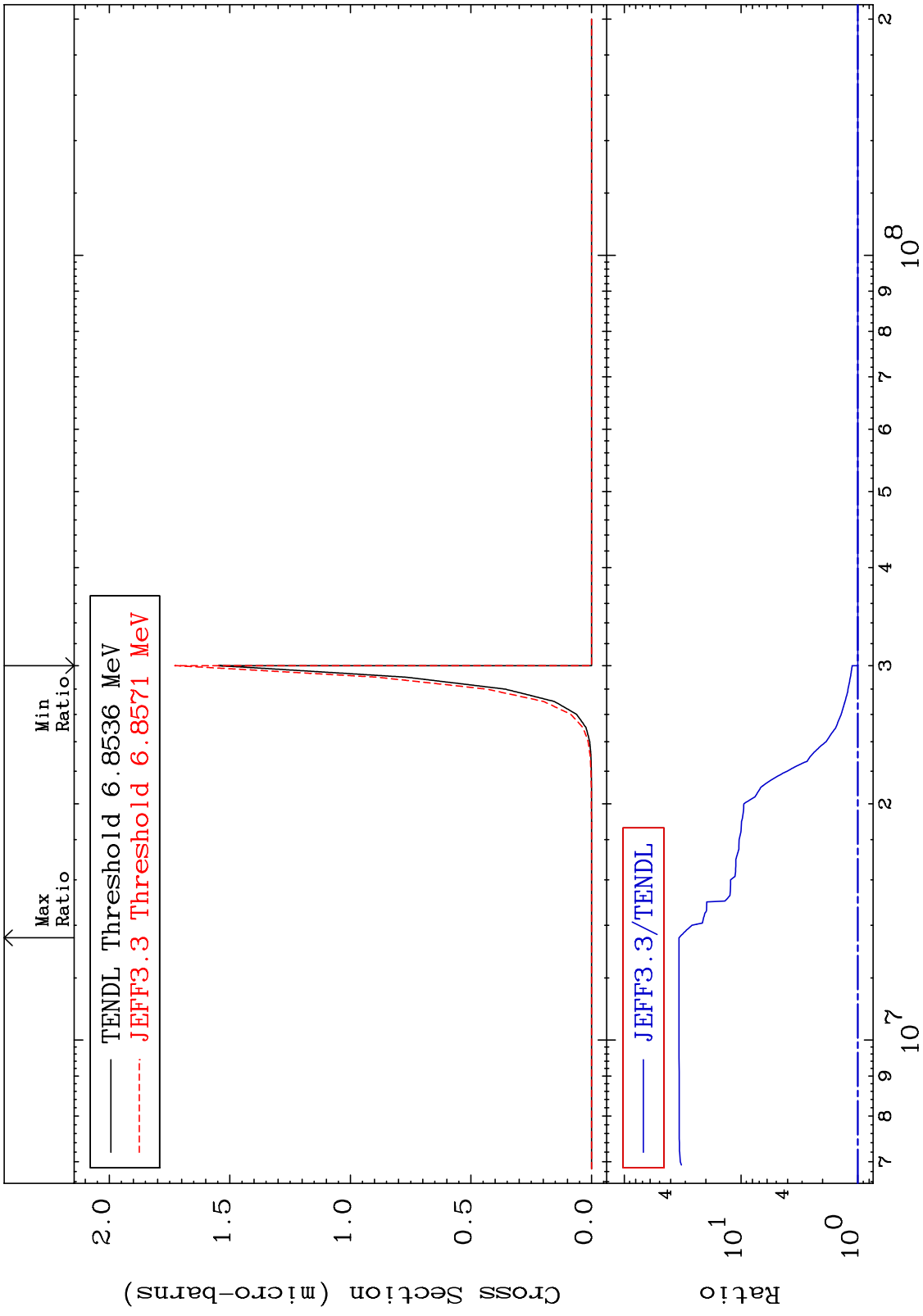
Incident Energy (eV)

47-Ag-107

MAT 4725 (n,p) t 47-Ag-107  
 Cross Section -6.219 To 0.000 %



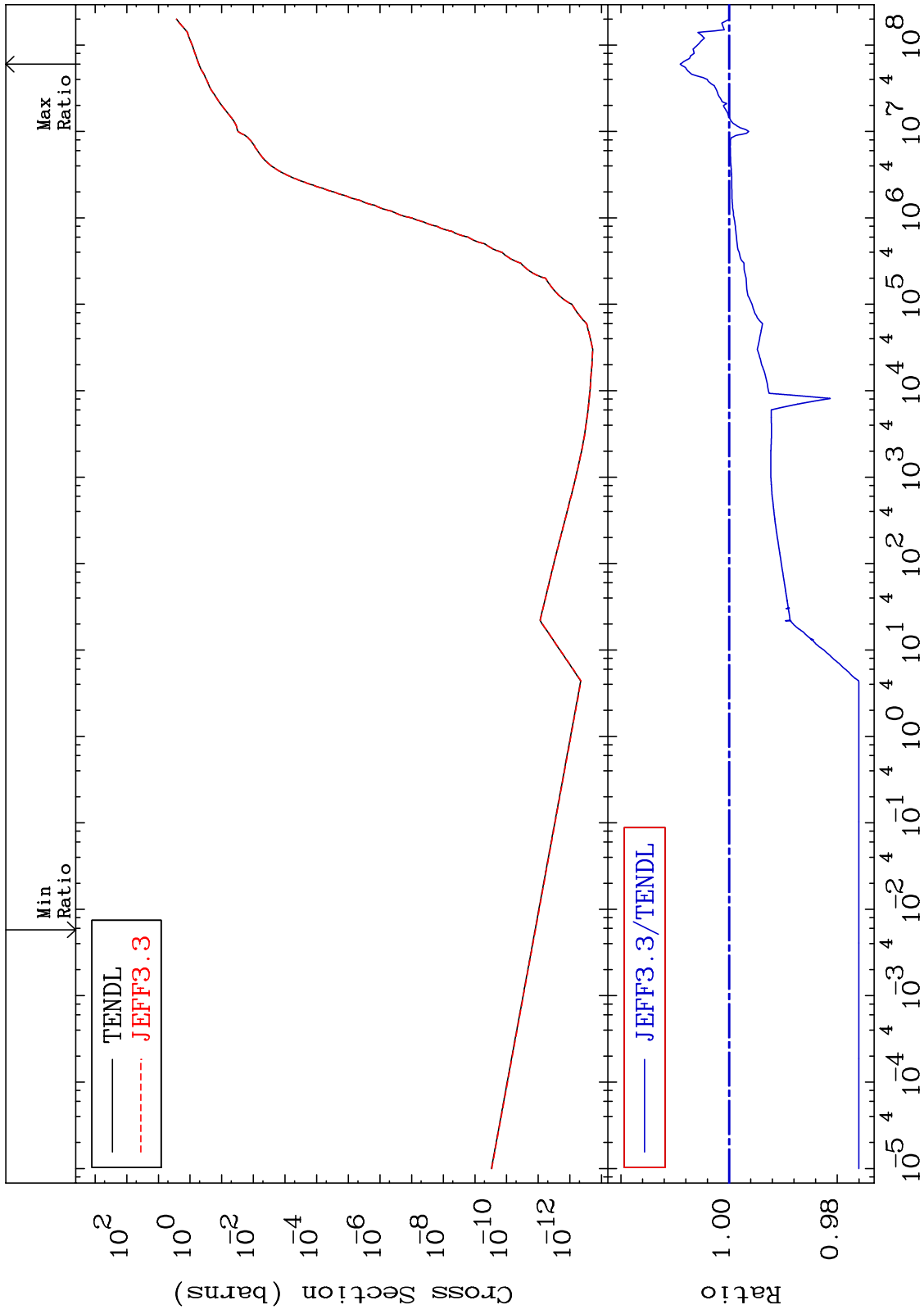
MAT 4725 (n,d)  $\alpha$  47-Ag-107  
 Cross Section 0.000 To 3298. %



MAT 4725

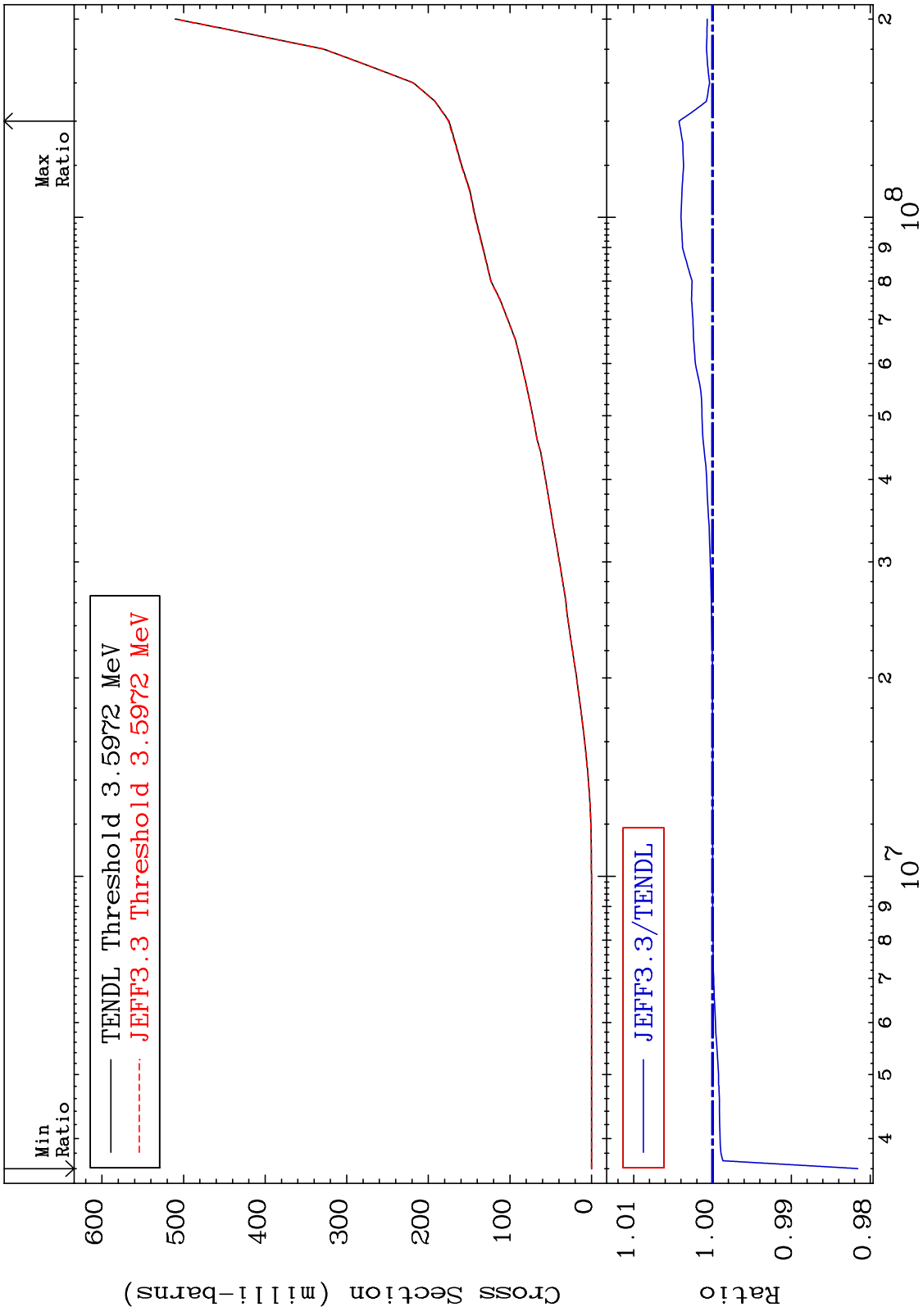
### Hydrogen Production Cross Section

47-Ag-107  
-2.399 To 0.903 %



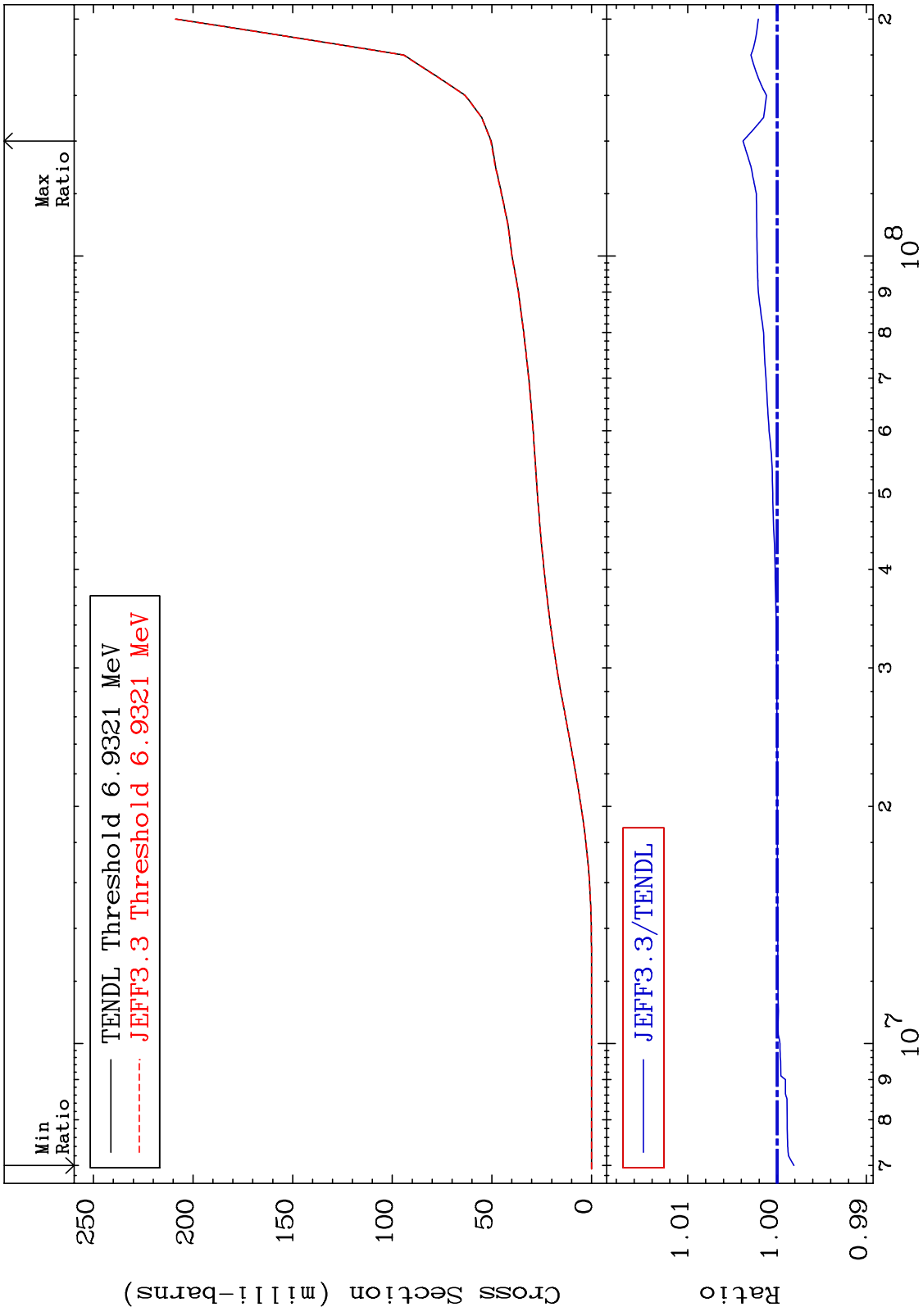


MAT 4725 Deuterium Production Cross Section 47-Ag-107 -1.843 To 0.425 %



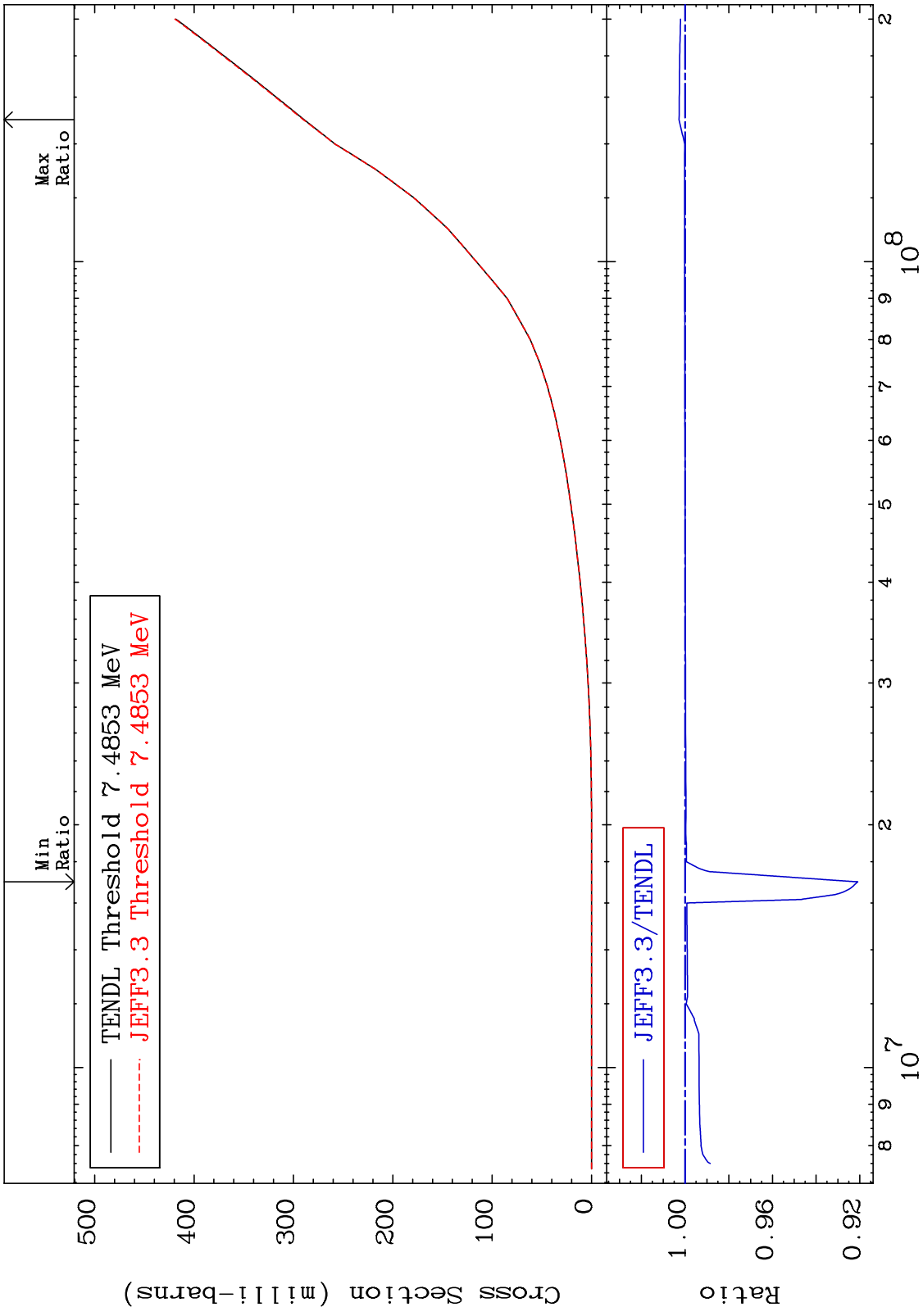
64 47-Ag-107

MAT 4725 Tritium Production Cross Section 47-Ag-107 -0.188 To 0.381 %



65 47-Ag-107

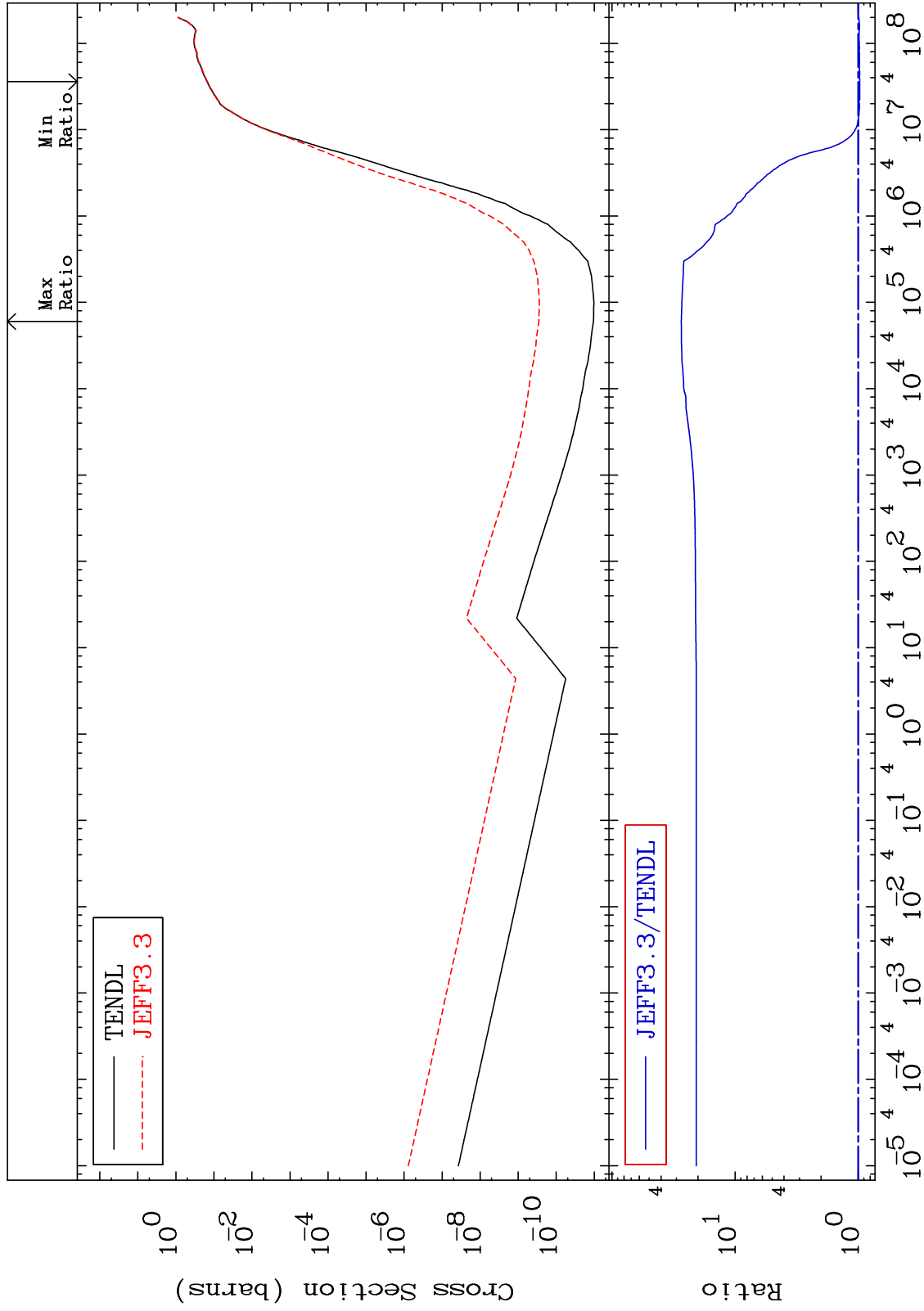
MAT 4725 He-3 Production Cross Section 47-Ag-107  
-7.910 To 0.277 %



MAT 4725

He-4 Production  
Cross Section

47-Ag-107  
-2.914 To 2639. %

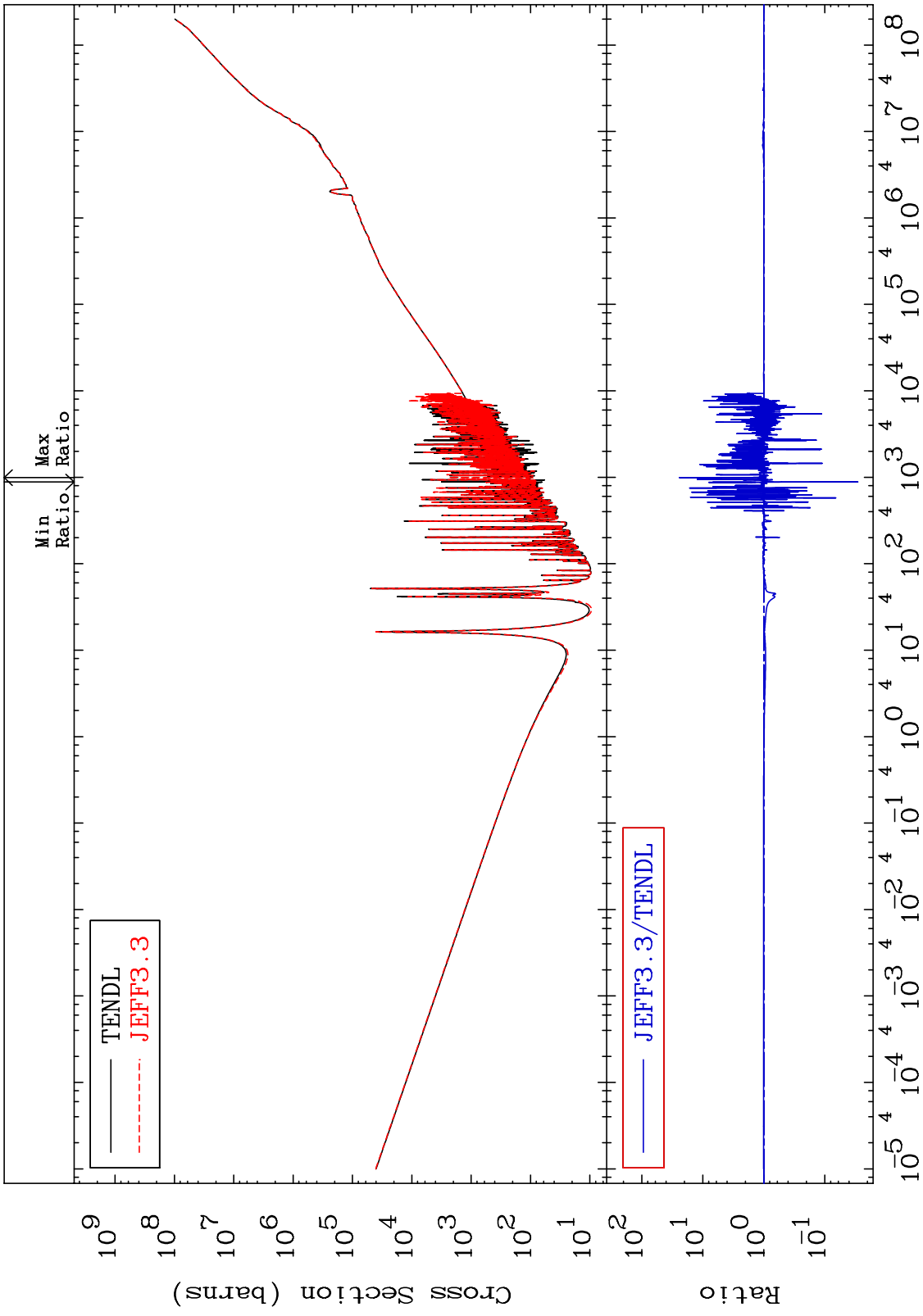


67

Incident Energy (eV)

47-Ag-107

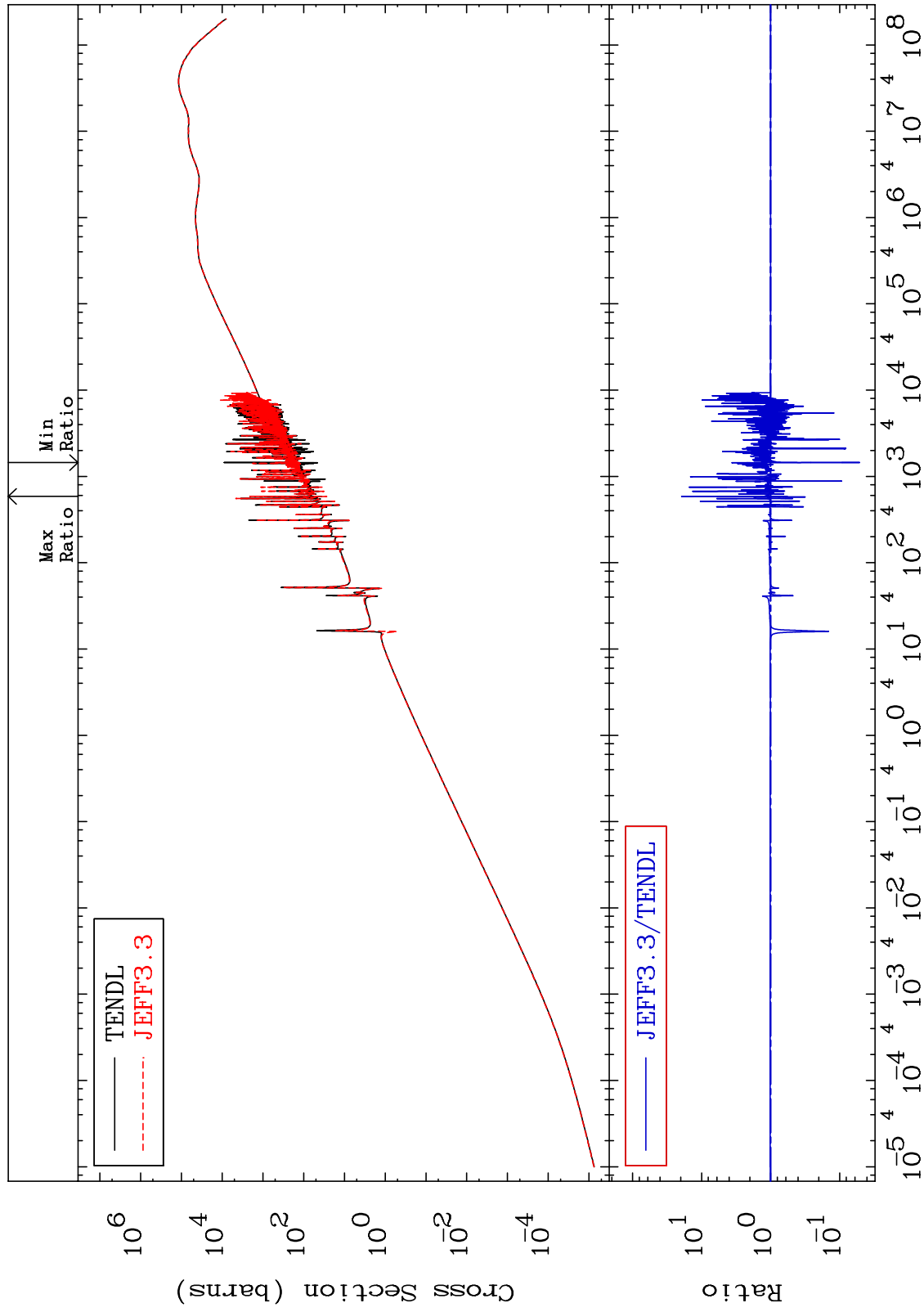
MAT 4725      Kerma total (eV-barns)      47-Ag-107  
Cross Section      -97.12 To 2352. %



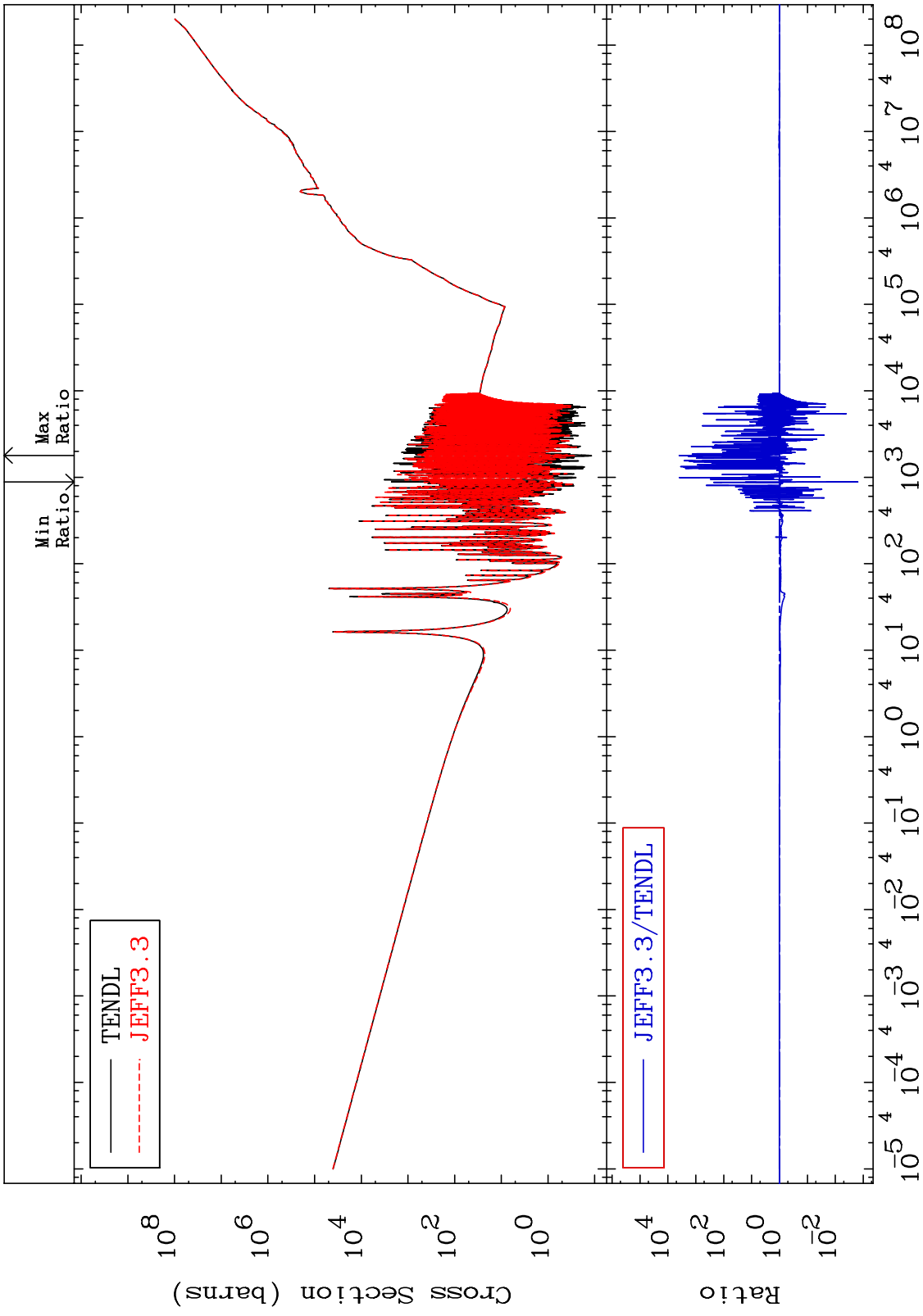
MAT 4725

Kerma elastic  
Cross Section

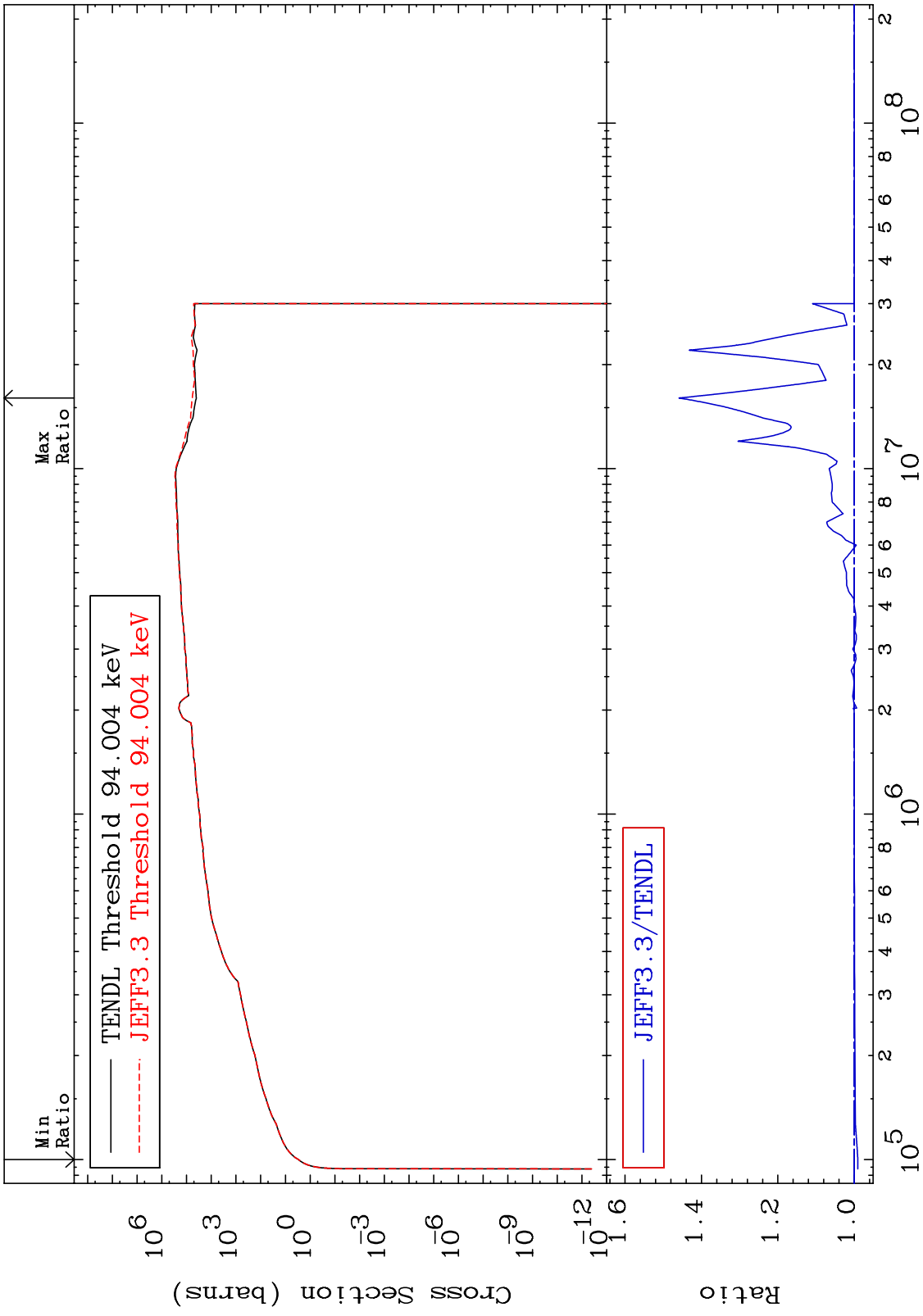
47-Ag-107  
-94.91 To 1857. %



MAT 4725      Kerma non-elastic (all but mt2)      47-Ag-107  
Cross Section      -99.84 To 9999. %



MAT 4725      Kerma inelastic (mt51-91)      47-Ag-107  
 Cross Section      -0.930 To 45.87 %



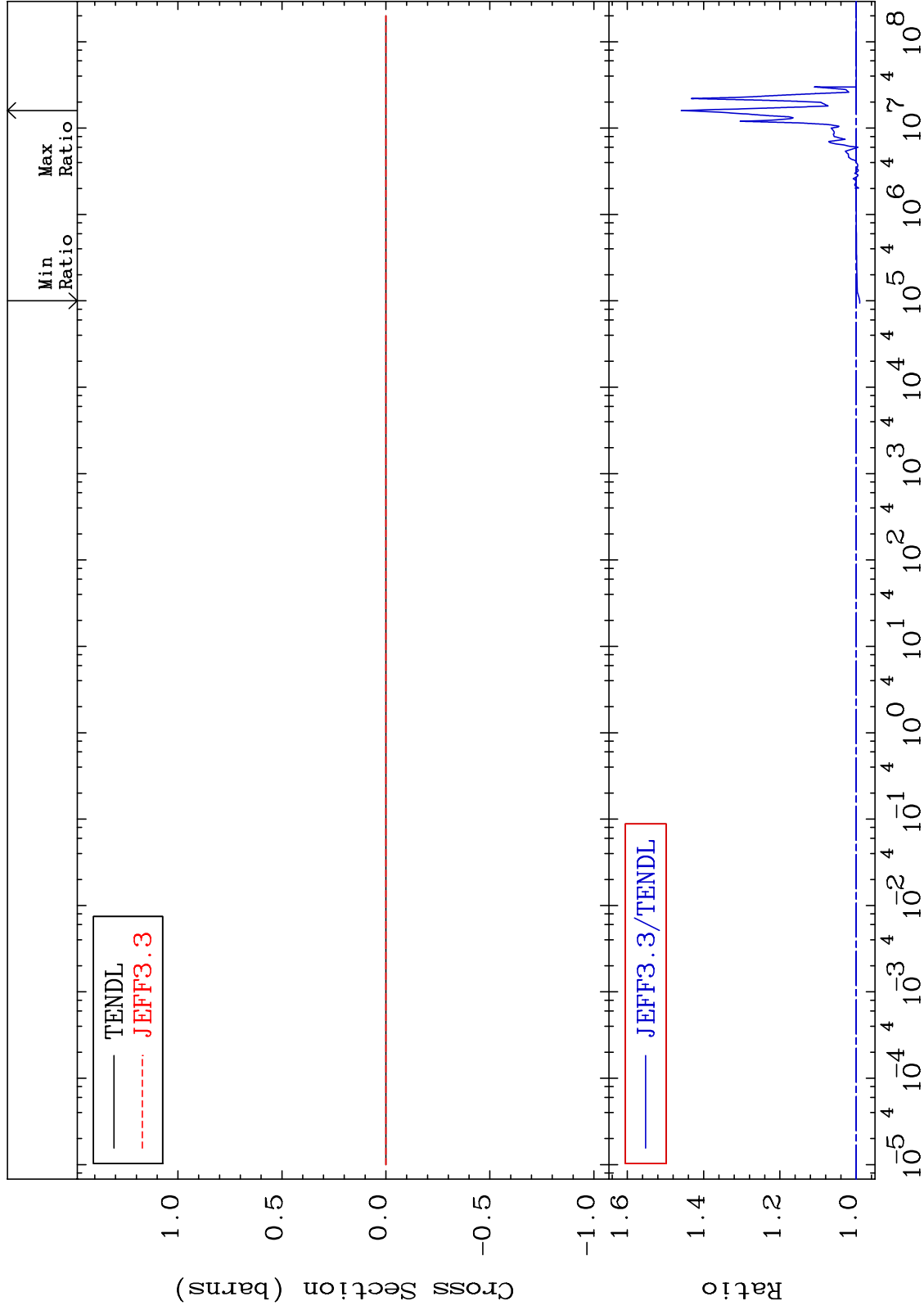
71      47-Ag-107



MAT 4725

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

47-Ag-107  
-0.930 To 45.87 %



72

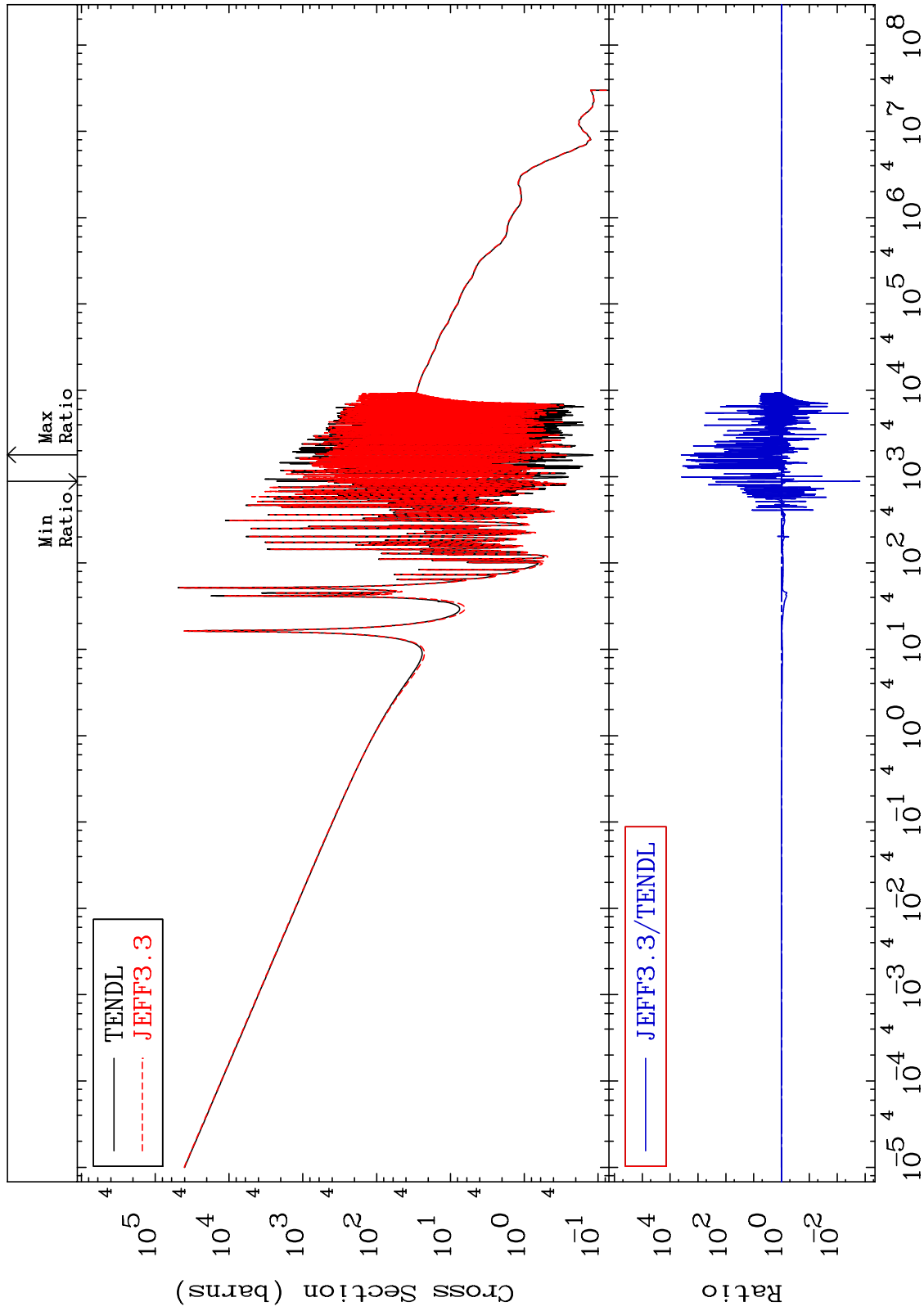
Incident Energy (eV)

47-Ag-107

MAT 4725

Kerma capture (mt102)  
Cross Section

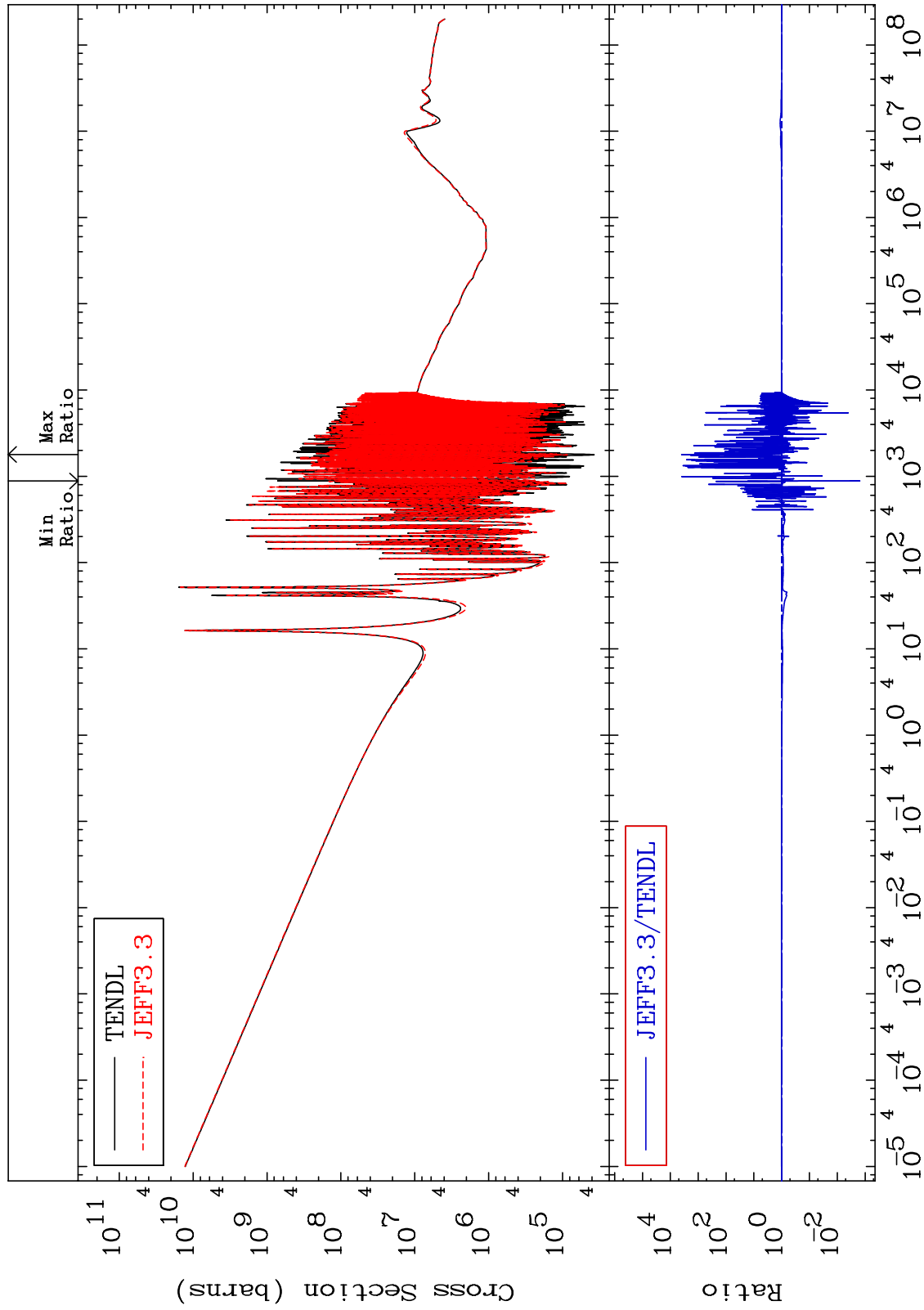
47-Ag-107  
-99.84 To 9999. %



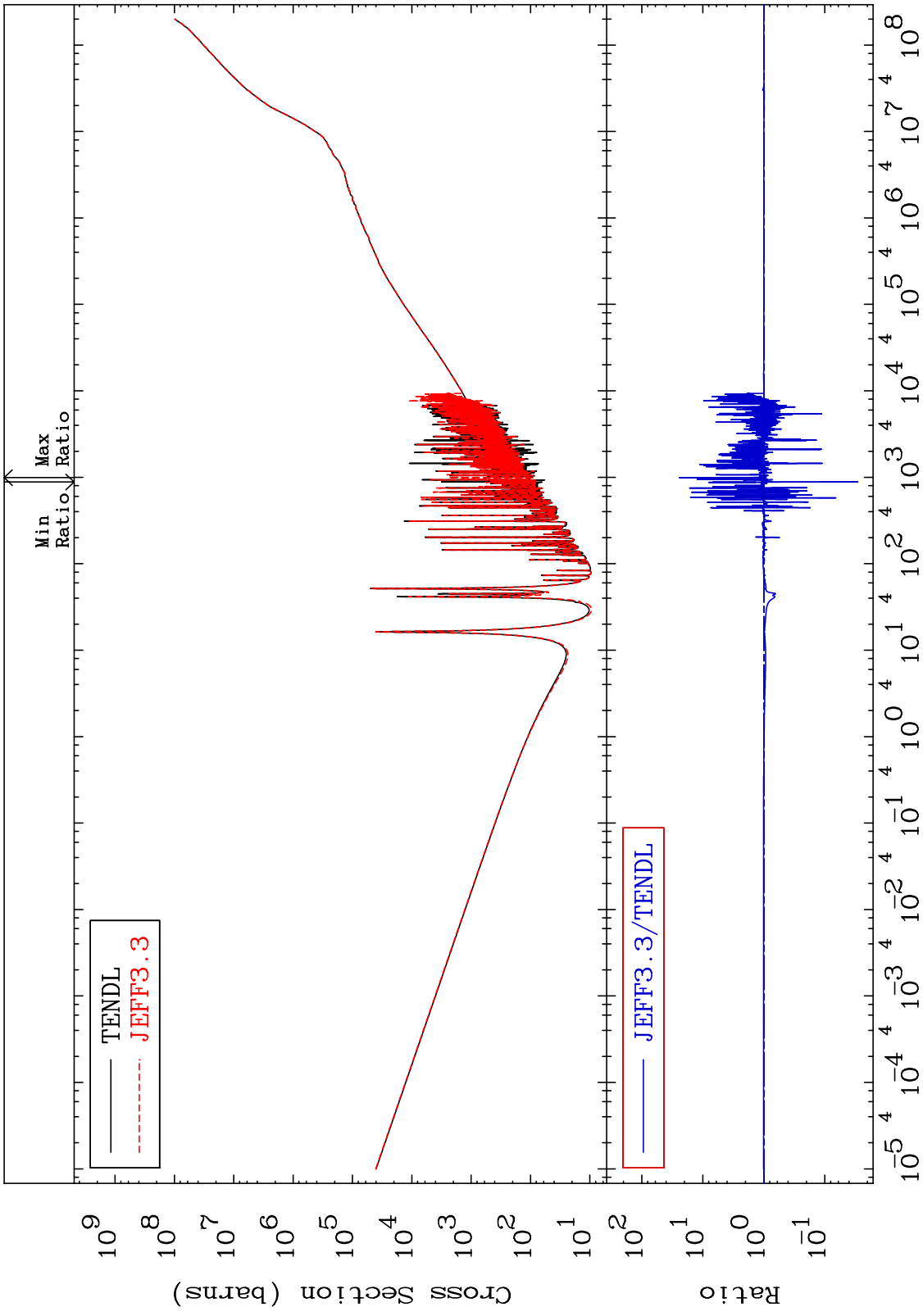
MAT 4725

Total photon (eV-barns)  
Cross Section

47-Ag-107  
-99.84 To 9999. %



MAT 4725      Total kinematic kerma (high limit)      47-Ag-107  
Cross Section      -97.12 To 2352. %



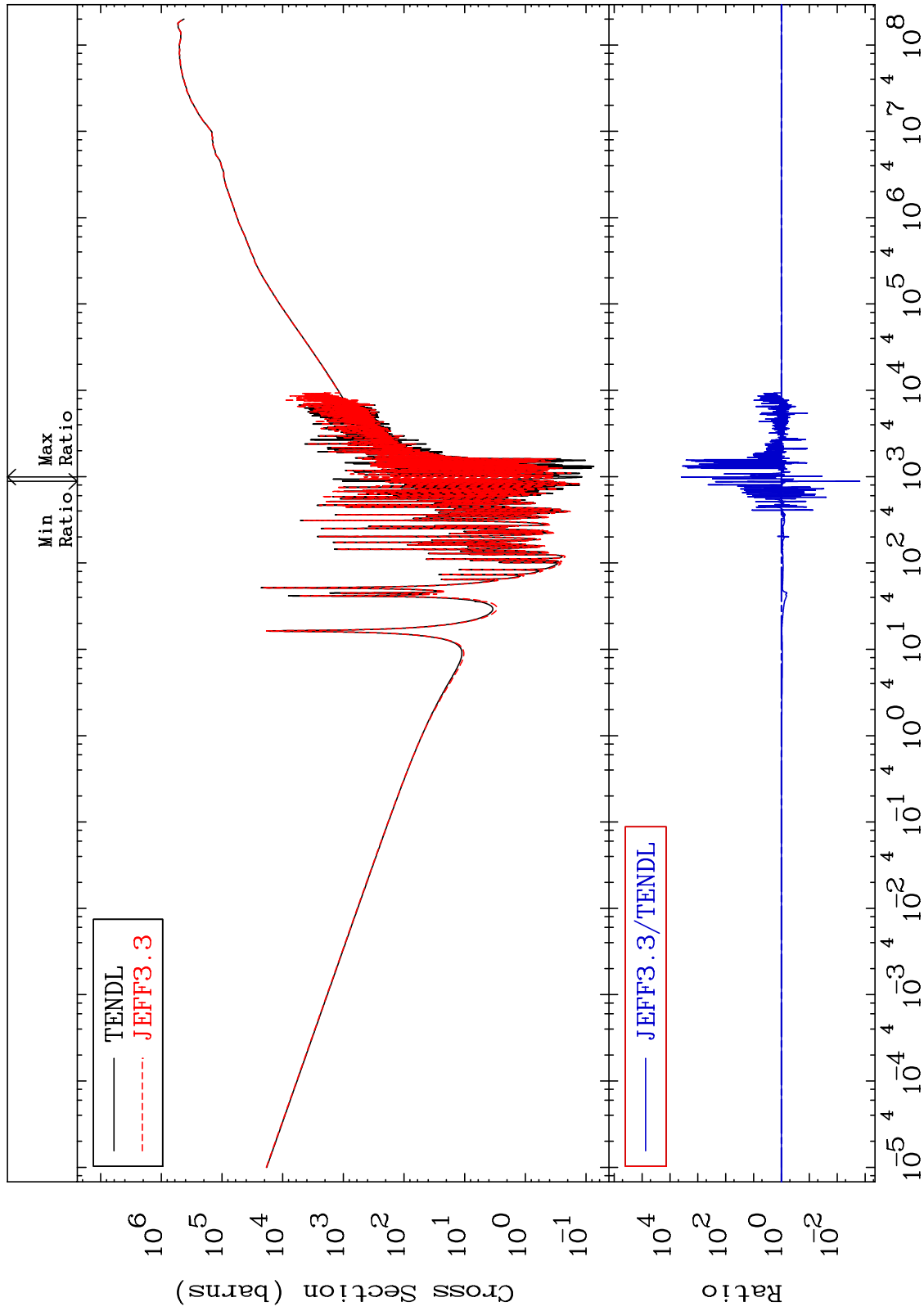
MAT 4725

Dpa total (eV-barns)

47-Ag-107

-99.84 To 9999. %

Cross Section

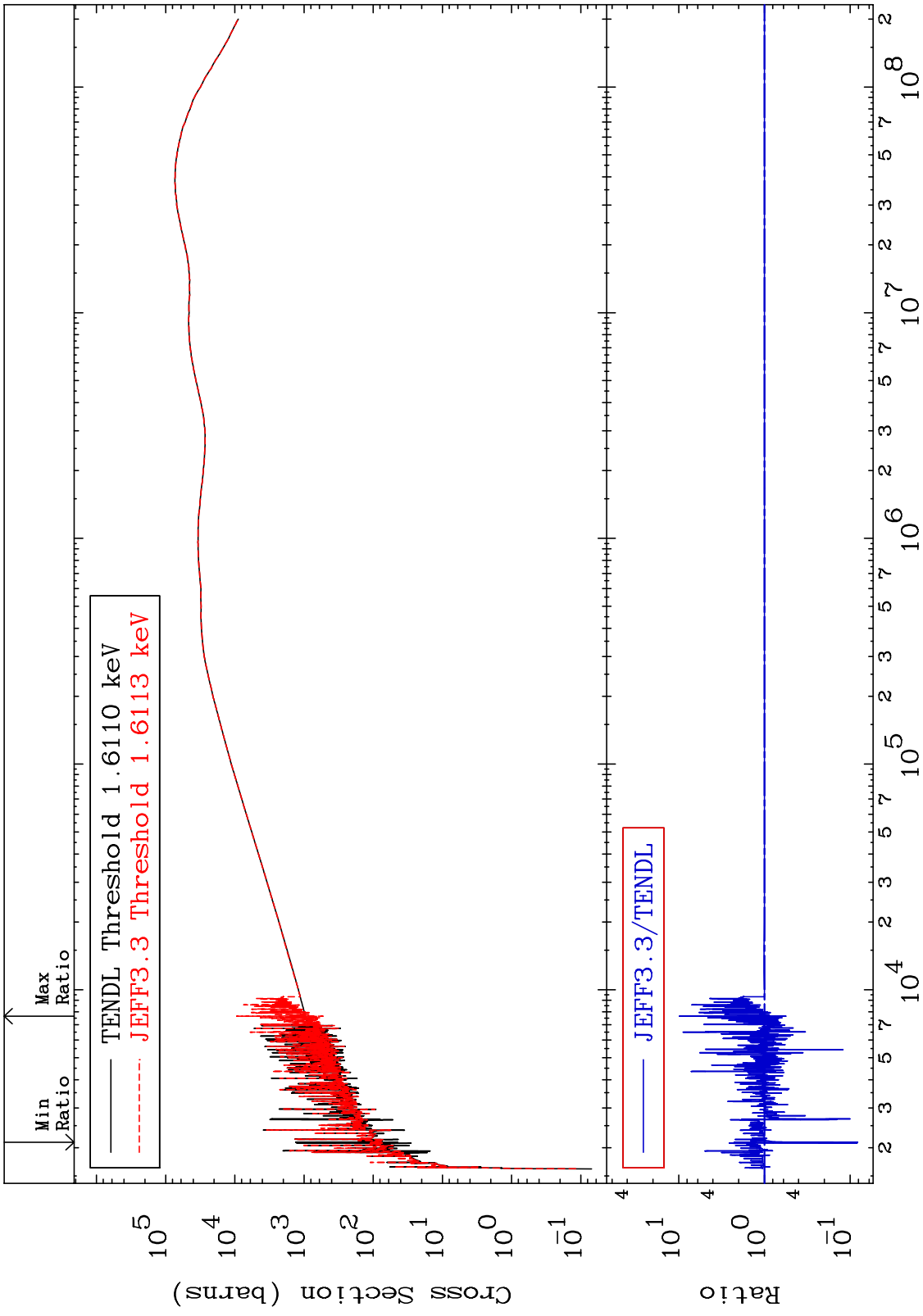


76

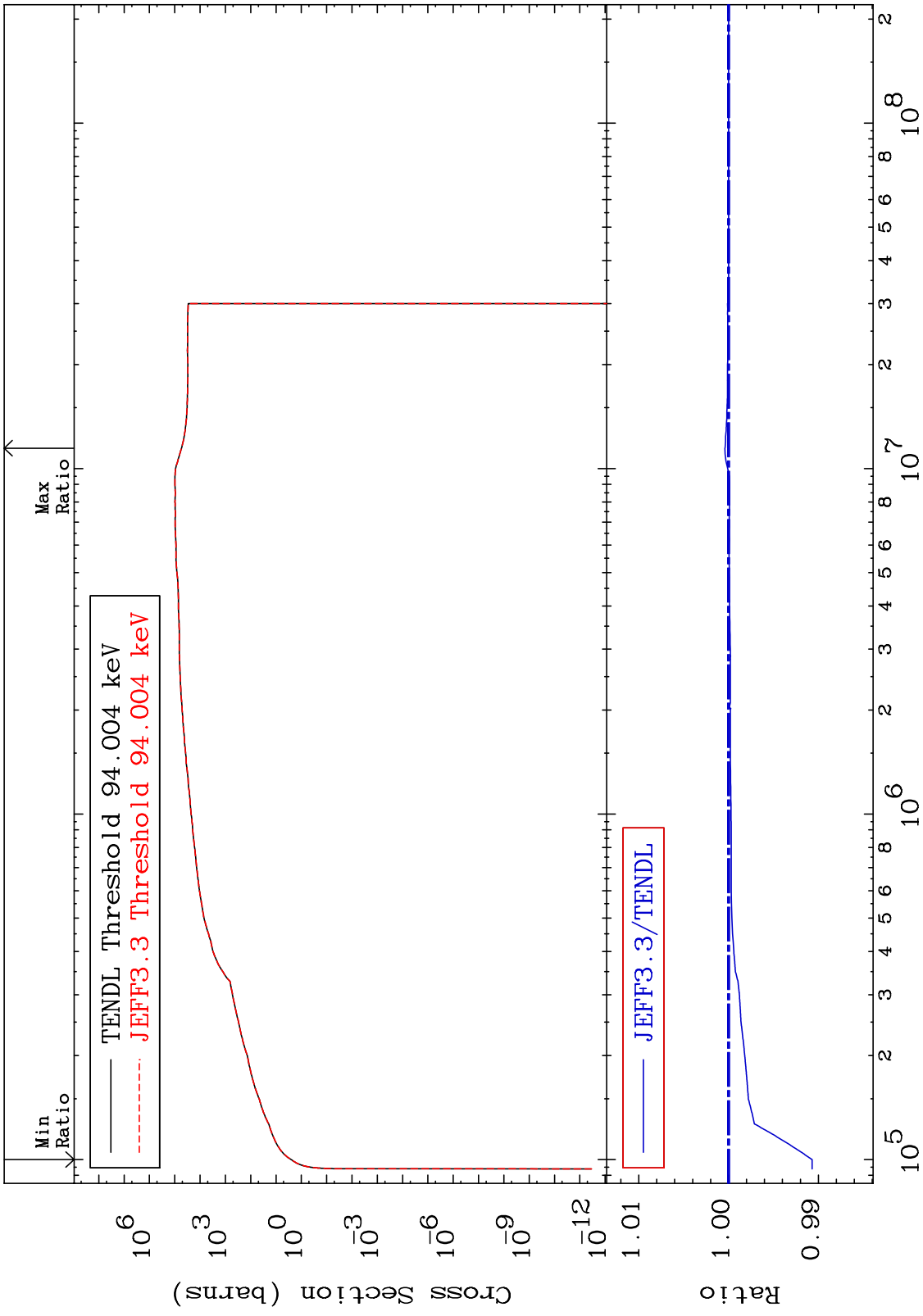
Incident Energy (eV)

47-Ag-107

MAT 4725 47-Ag-107  
Dpa elastic (mt2) -91.86 To 890.8 %  
Cross Section



MAT 4725      Dpa inelastic (mt51-91)      47-Ag-107  
Cross Section      -0.930 To 0.042 %

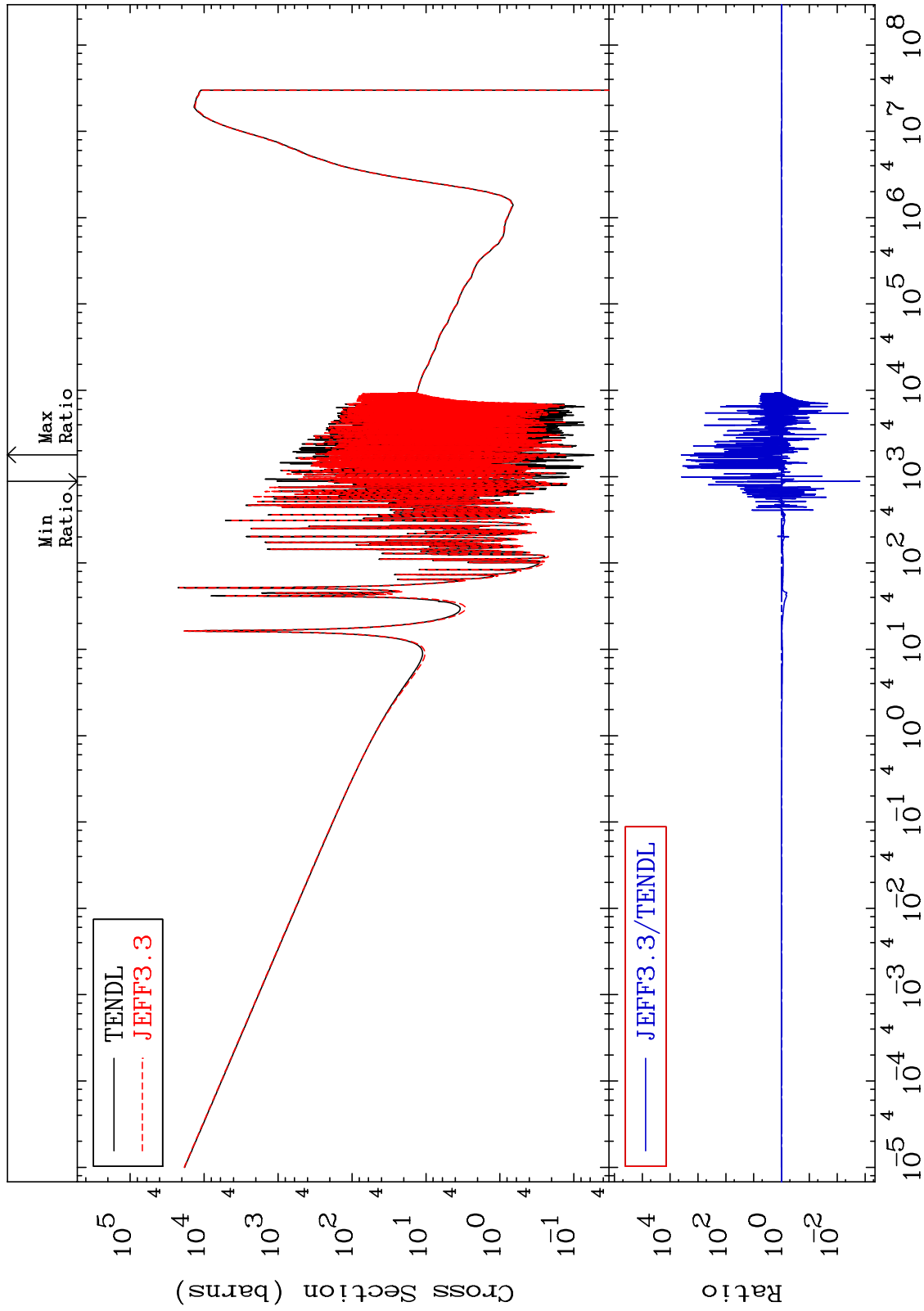


78      Incident Energy (eV)      47-Ag-107

MAT 4725

Dpa disappearance (mt102 -120)  
Cross Section

47-Ag-107  
-99.84 To 9999. %



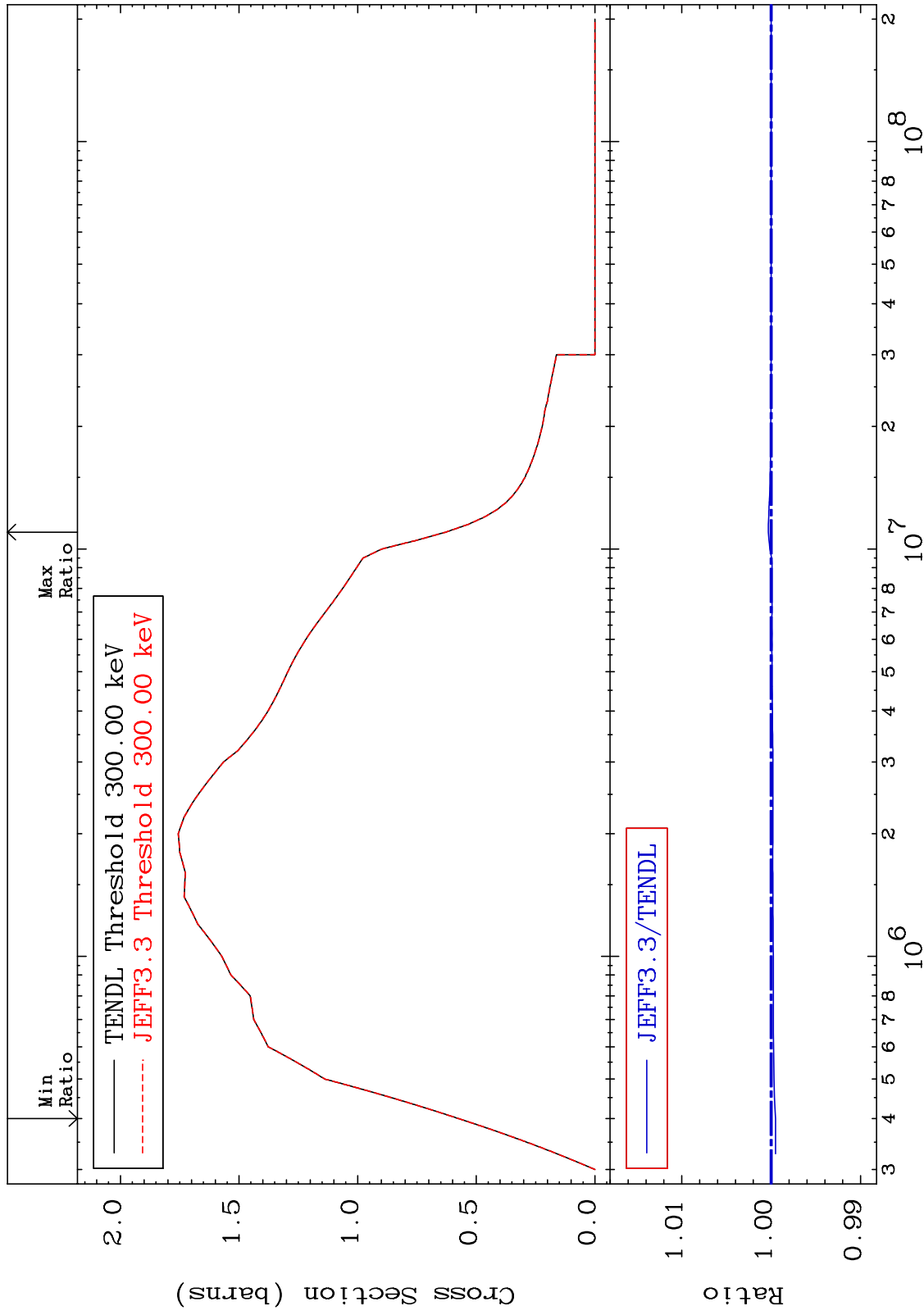


MAT 4725

47-Ag-107

Inelastic: 47-Ag-107g

Radionuclide Production Cross Section -0.048 To 0.033 %



80

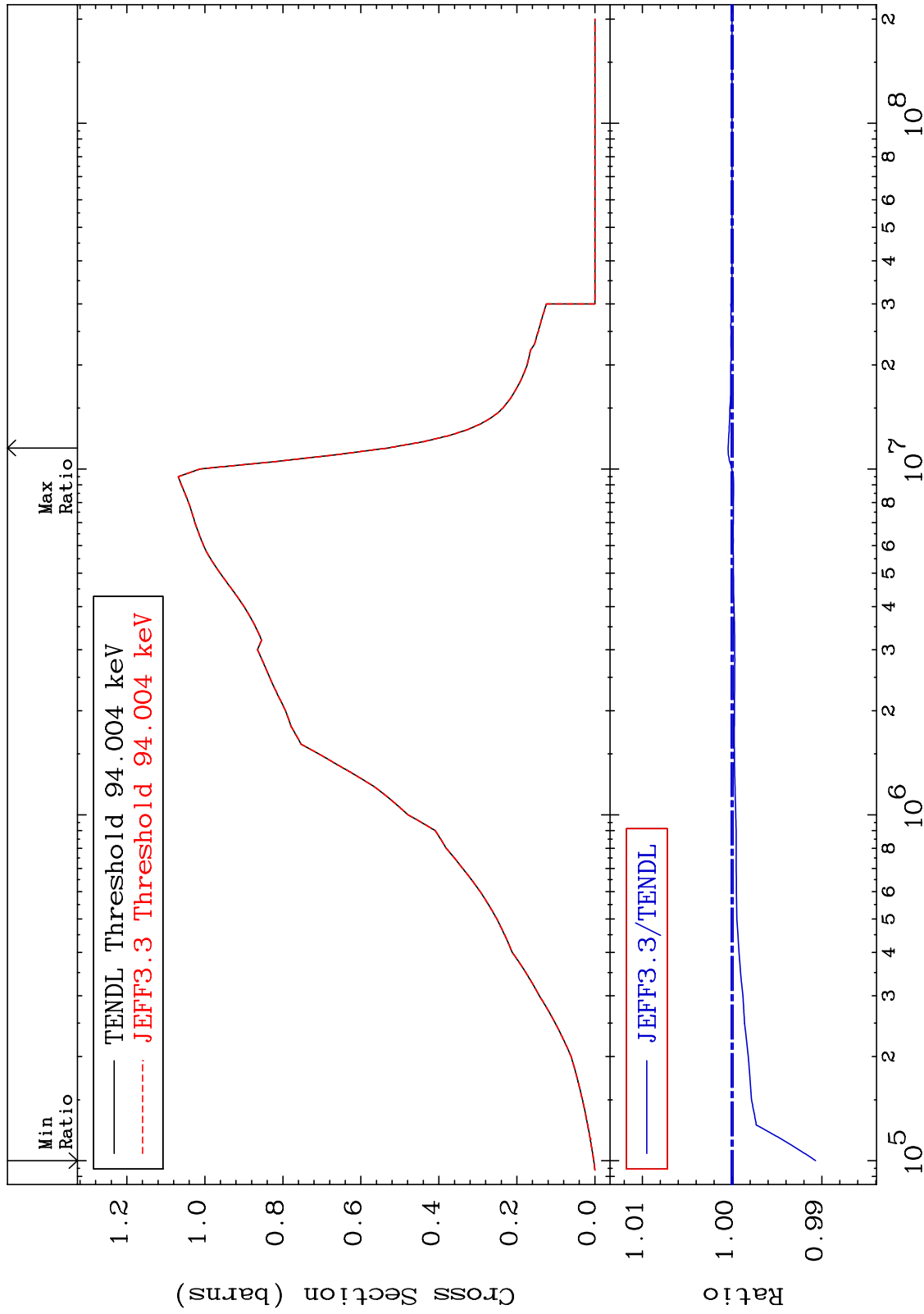
47-Ag-107

MAT 4725

Inelastic: 47-Ag-107m1

47-Ag-107

Radionuclide Production Cross Section -0.930 To 0.044 %



81

Incident Energy (eV)

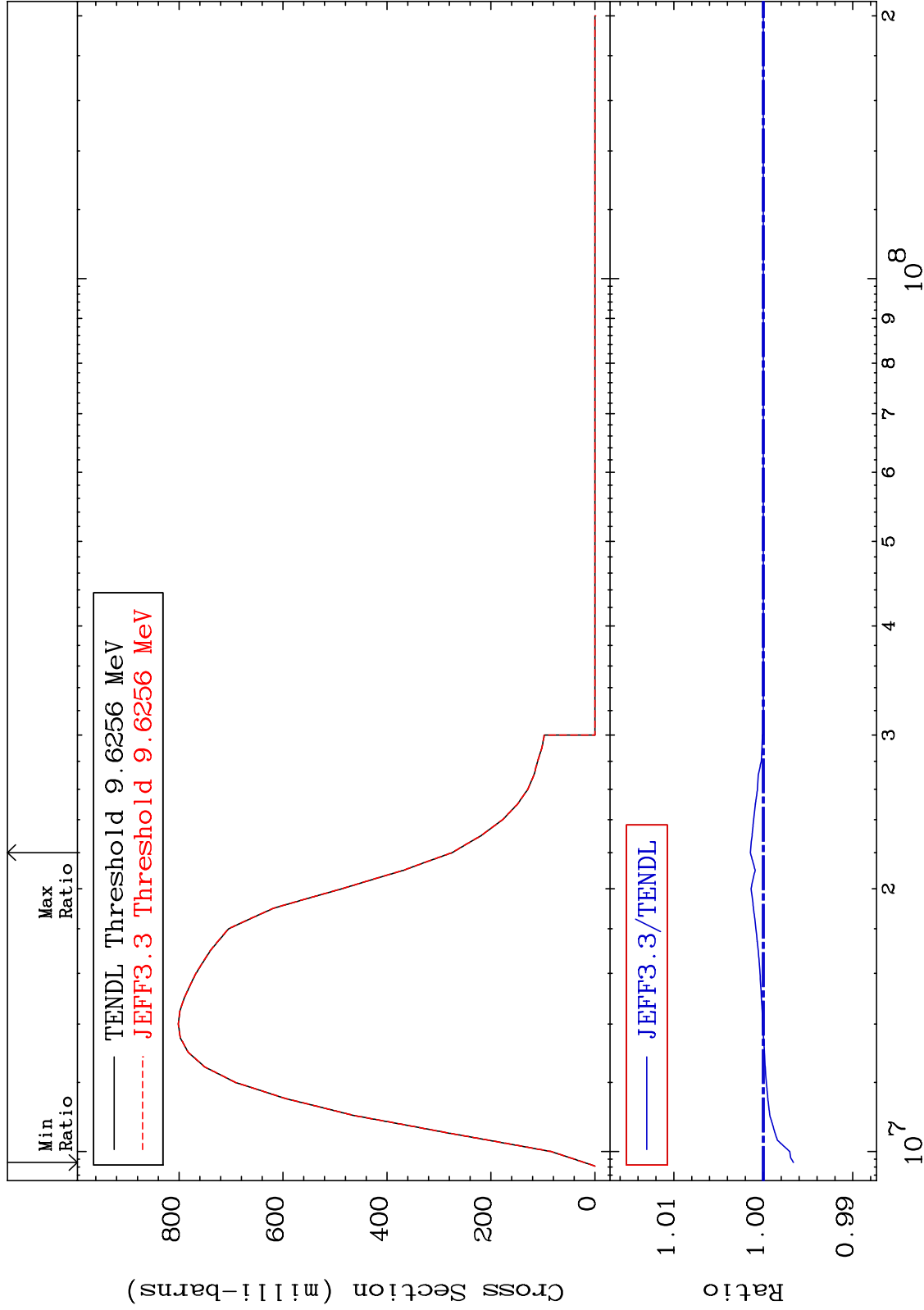
47-Ag-107

MAT 4725

(n,2n):47-Ag-106g

47-Ag-107

Radionuclide Production Cross Section -0.337 To 0.145 %

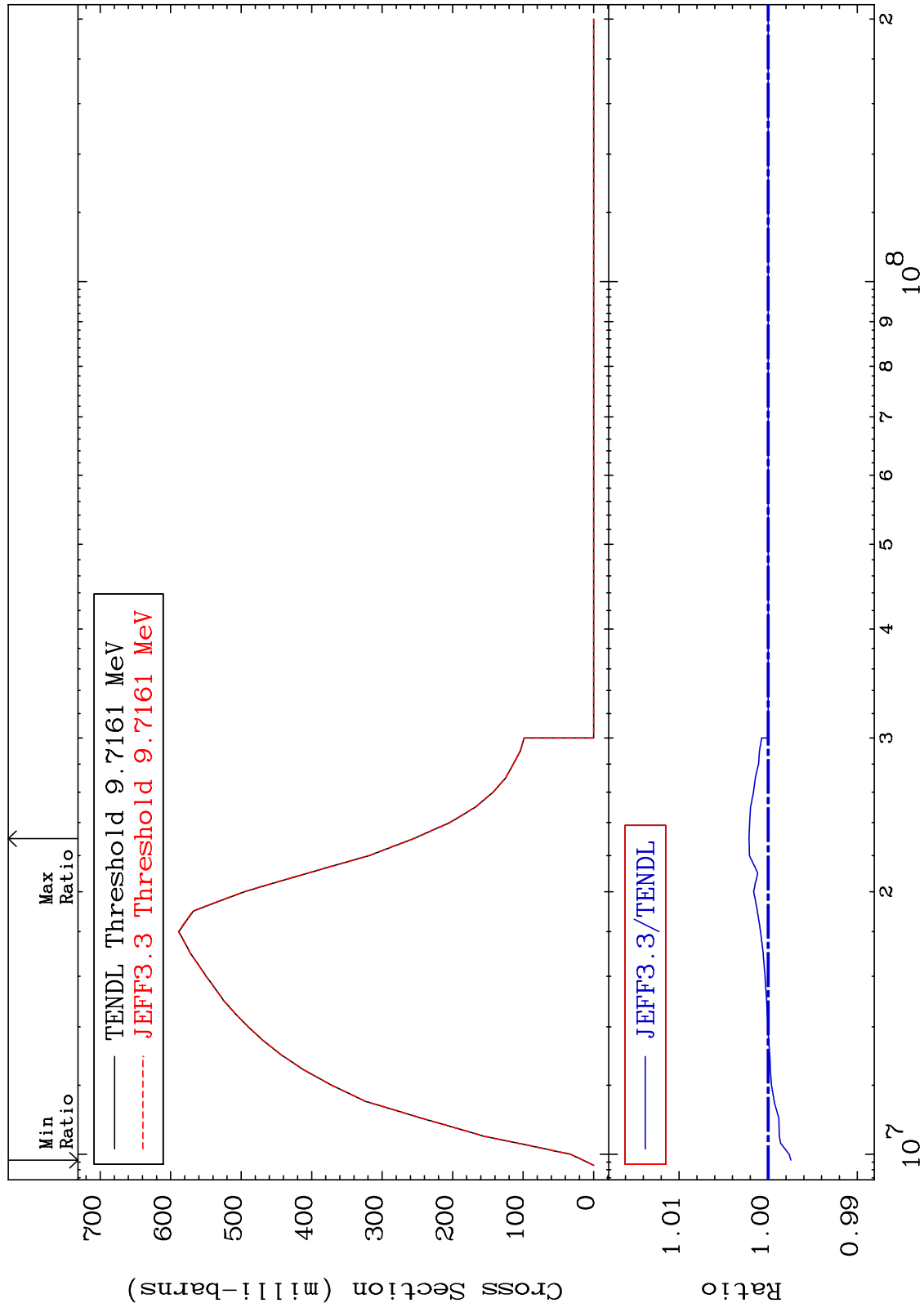


82

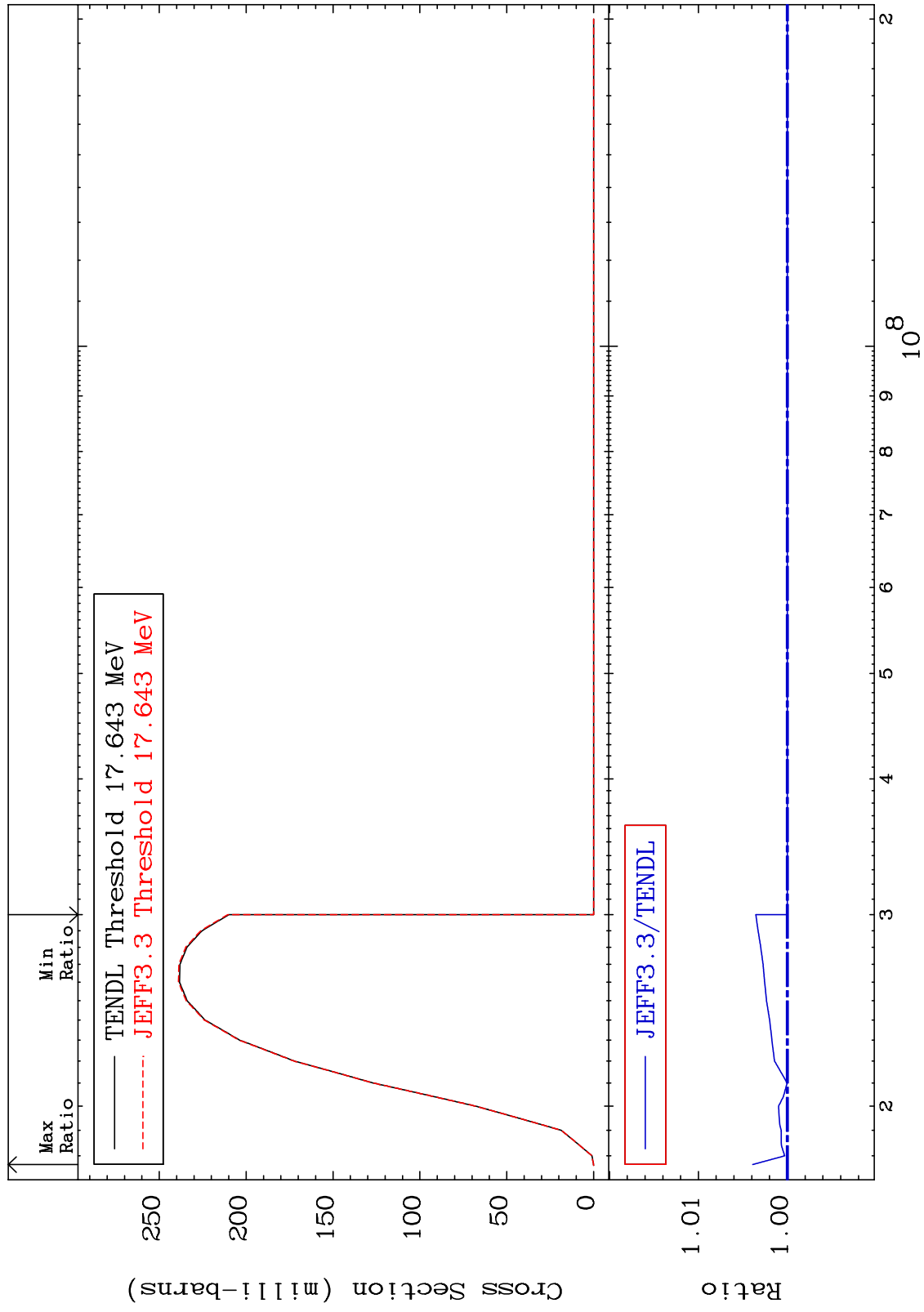
Incident Energy (eV)

47-Ag-107

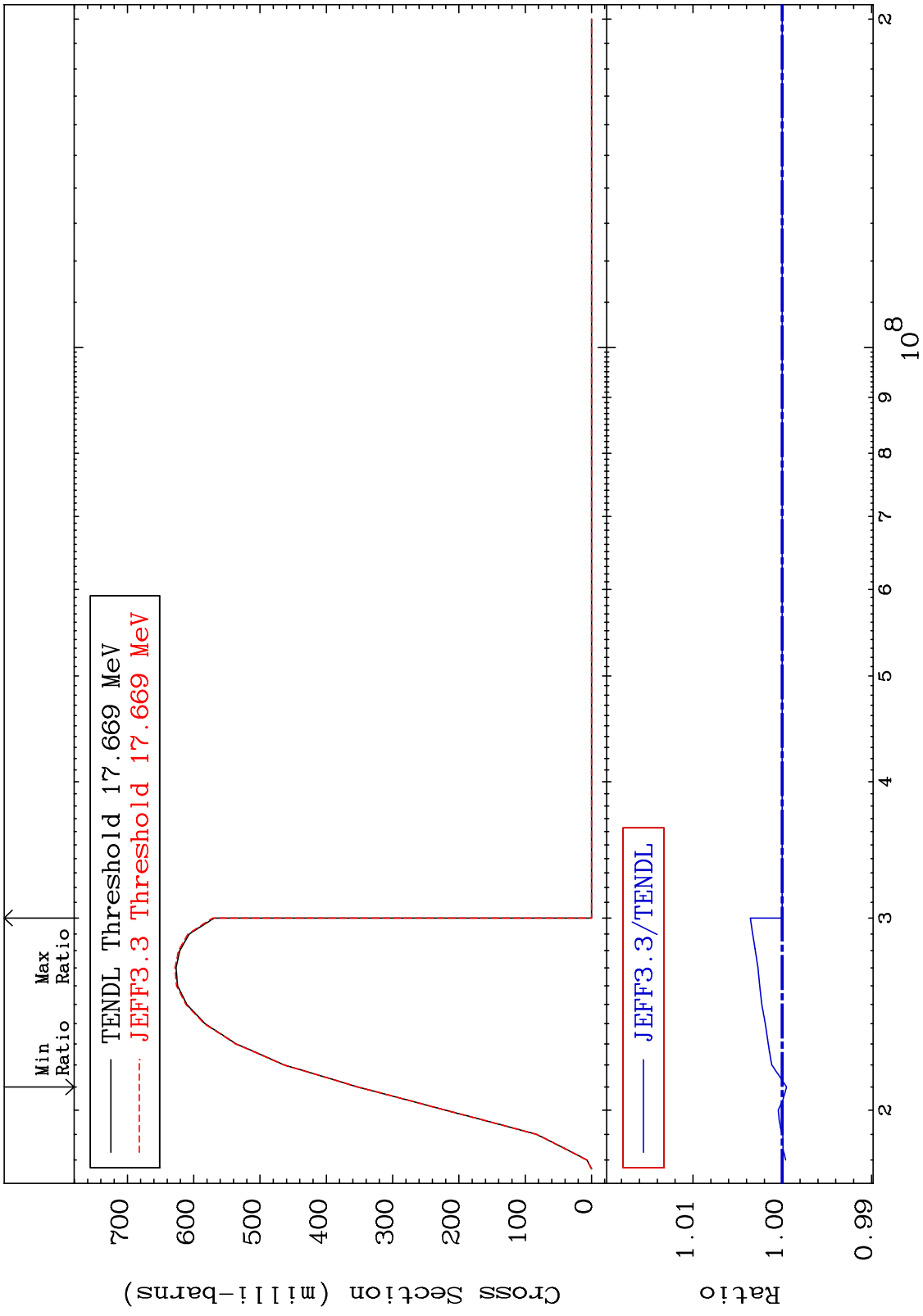
MAT 4725 (n,2n) : 47-Ag-106m1 47-Ag-107  
Radionuclide Production Cross Section -0.255 To 0.215 %



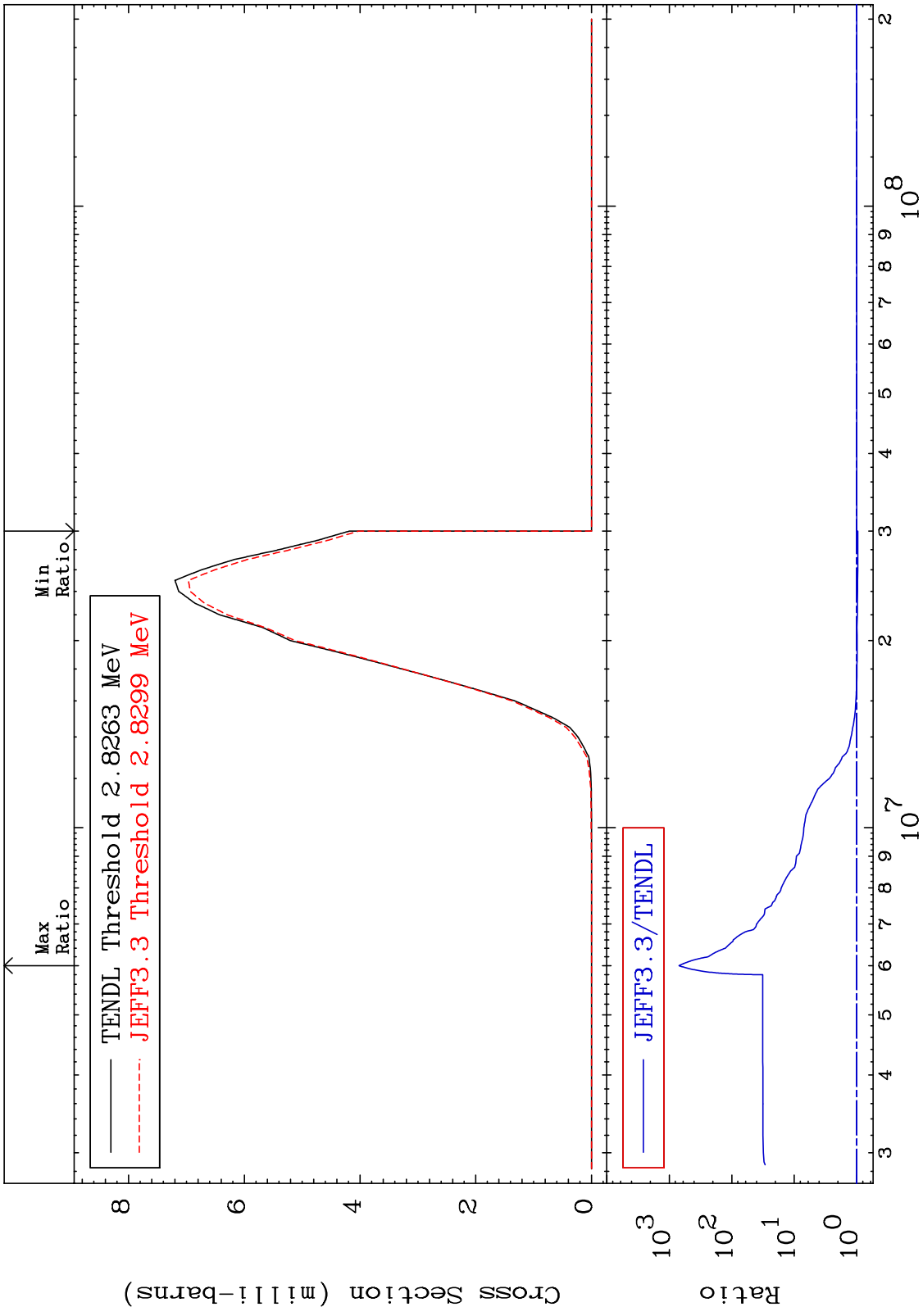
MAT 4725 (n,3n):47-Ag-105g 47-Ag-107  
Radionuclide Production Cross Section 0.000 To 0.391 %



MAT 4725 (n,3n) : 47-Ag-105m1 47-Ag-107  
 Radionuclide Production Cross Section -0.049 To 0.358 %



MAT 4725 (n, n')  $\alpha$ : 45-Rh-103g 47-Ag-107  
 Radionuclide Production Cross Section -3.797 To 9999. %

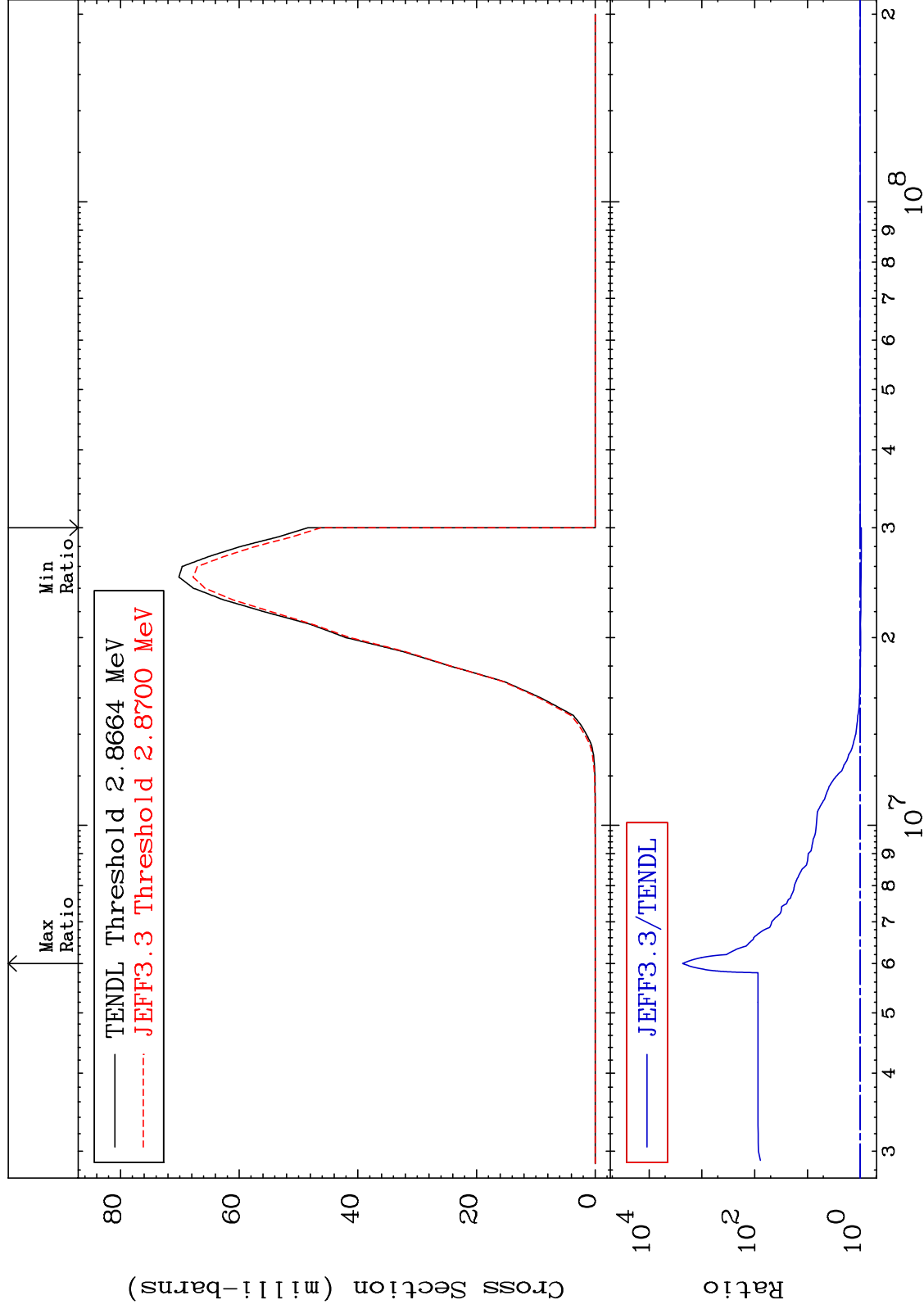


MAT 4725

(n, n')  $\alpha$ : 45-Rh-103m1

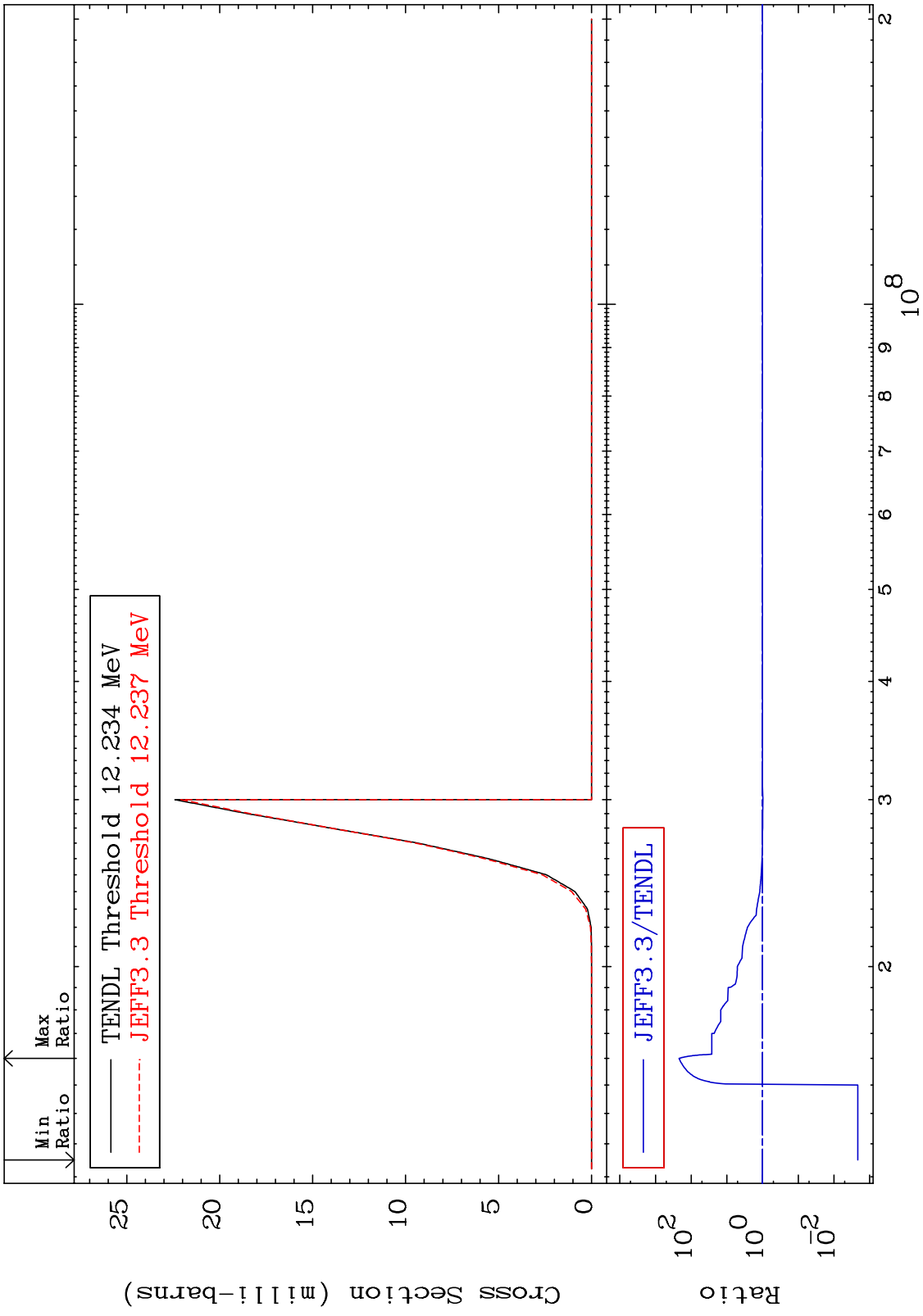
47-Ag-107

Radionuclide Production Cross Section -4.544 To 9999. %

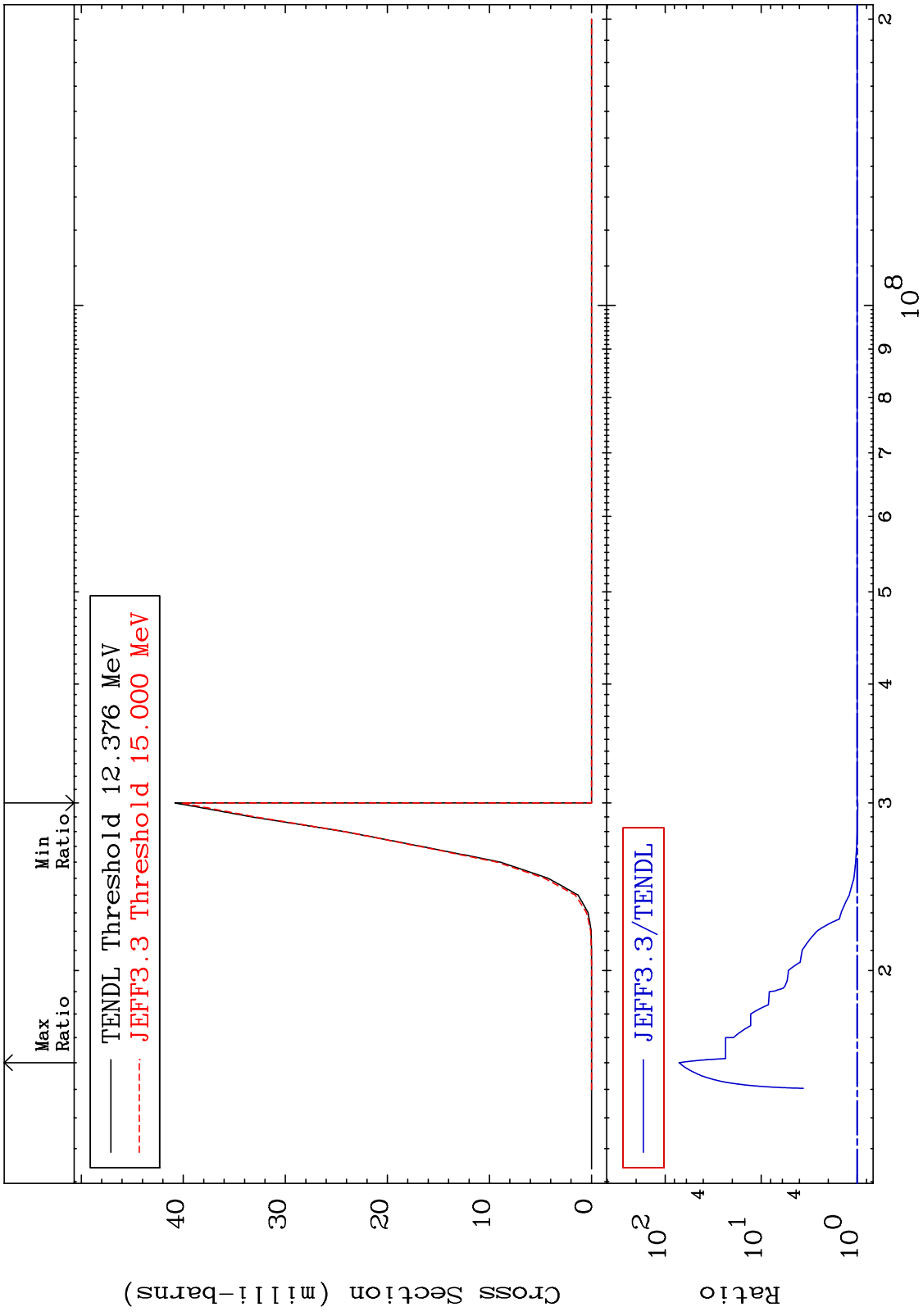




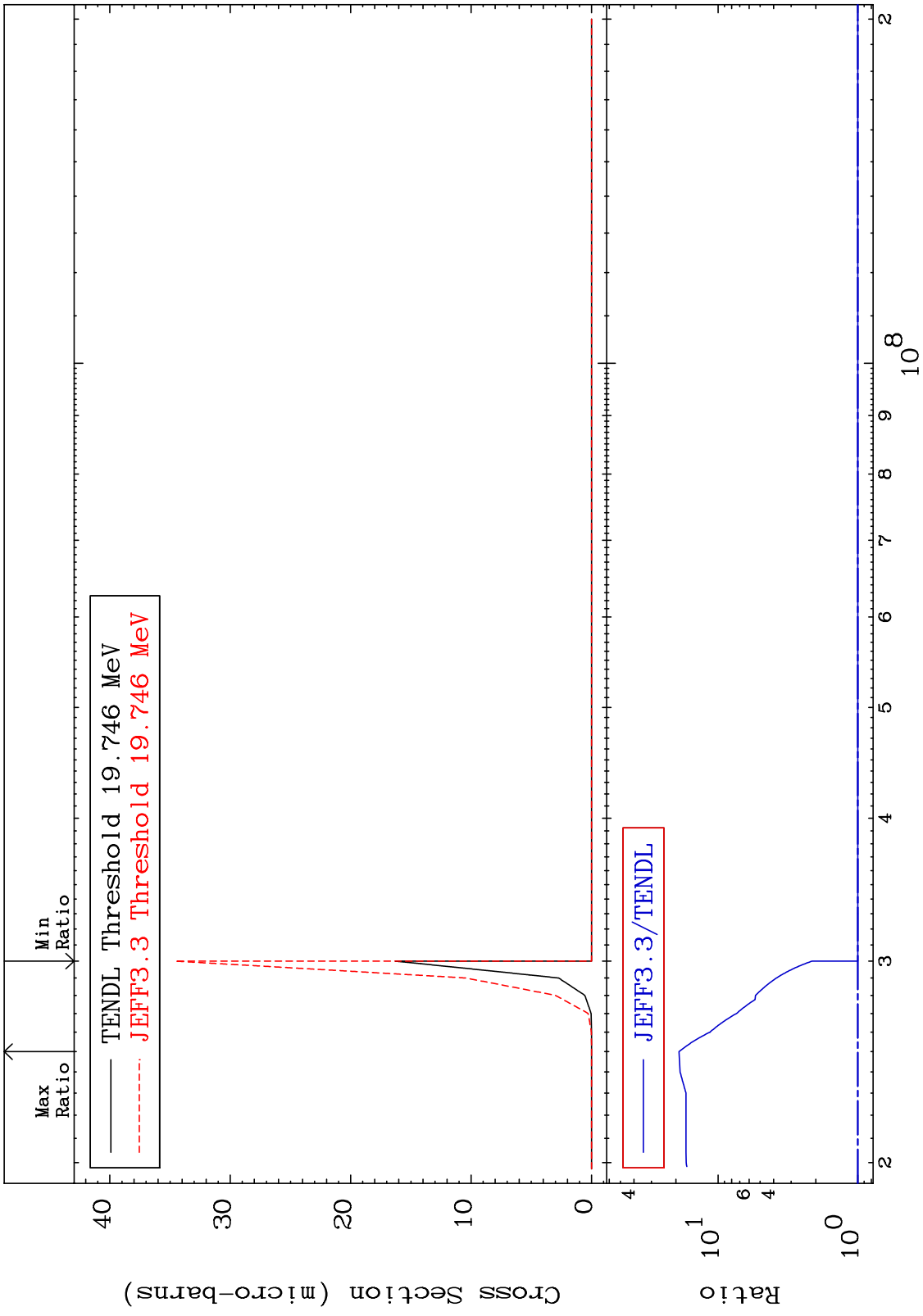
MAT 4725 (n,2n)  $\alpha$ : 45-Rh-102g 47-Ag-107  
 Radionuclide Production Cross Section -99.79 To 9999. %



MAT 4725 (n,2n)  $\alpha$ : 45-Rh-102m5 47-Ag-107  
 Radionuclide Production Cross Section -1.498 To 7063. %

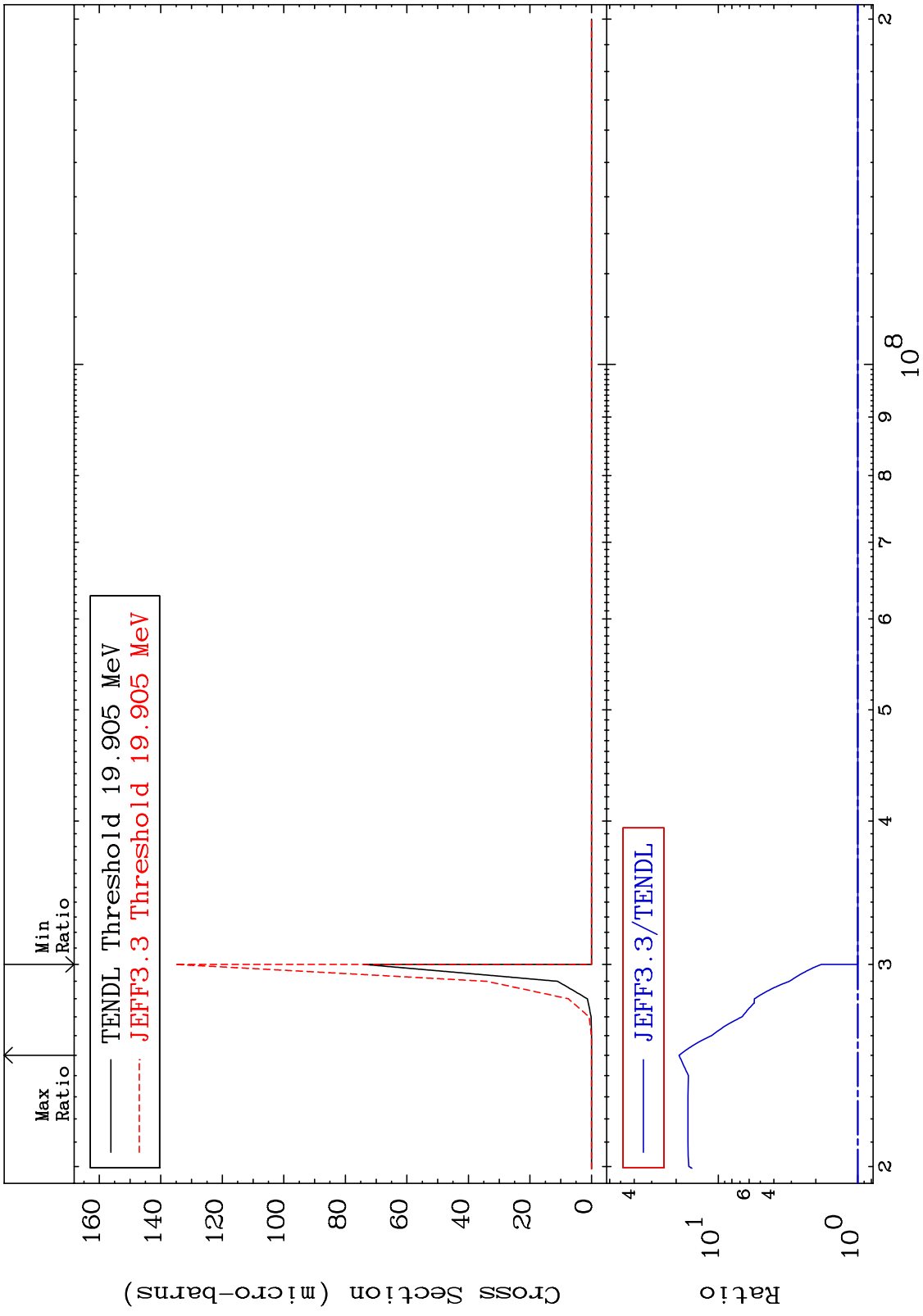


MAT 4725 (n,3n)  $\alpha$ : 45-Rh-101g 47-Ag-107  
 Radionuclide Production Cross Section 0.000 To 1802. %

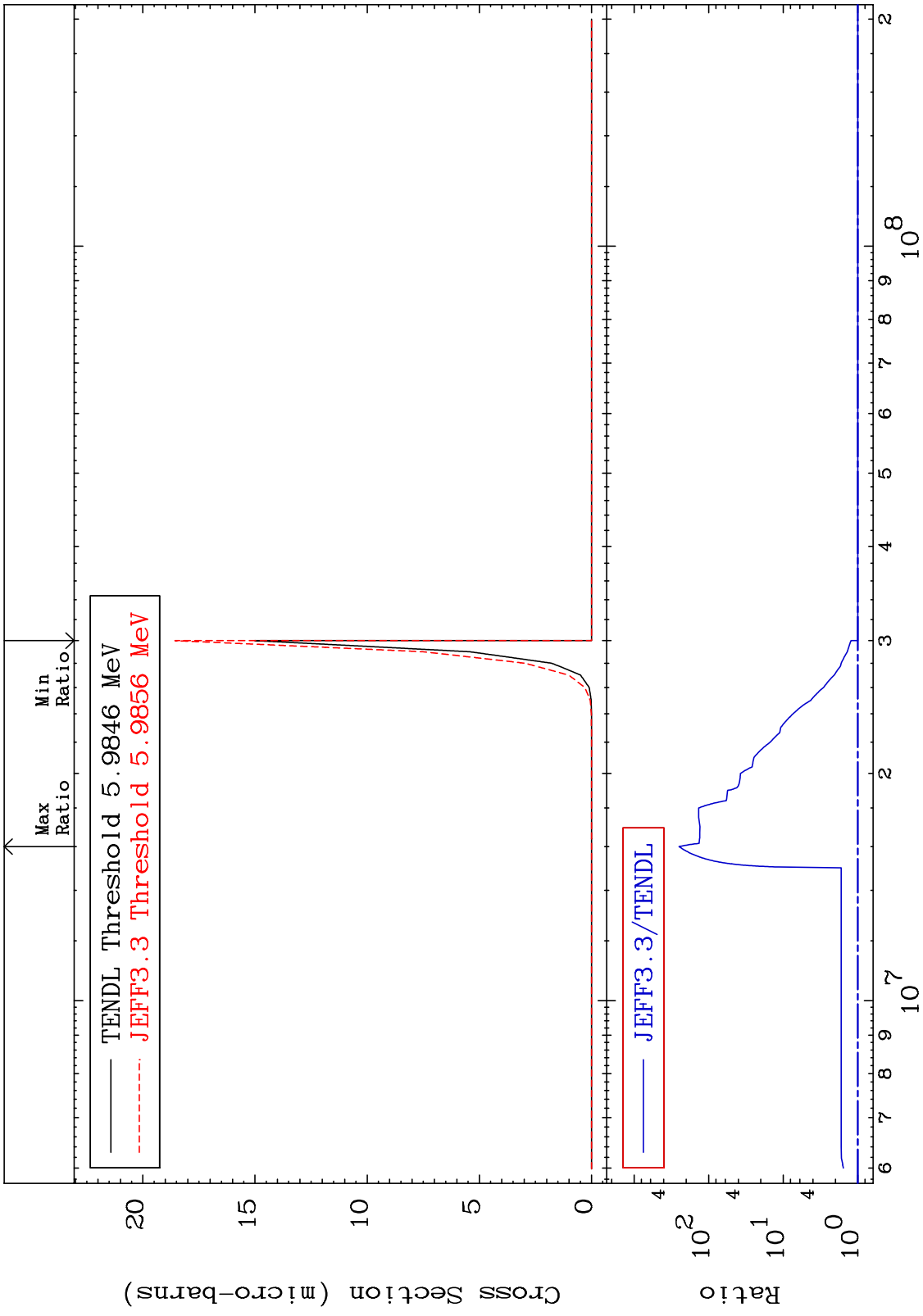


90 47-Ag-107

MAT 4725 (n,3n)  $\alpha$ : 45-Rh-101m1 47-Ag-107  
 Radionuclide Production Cross Section 0.000 To 1810. %



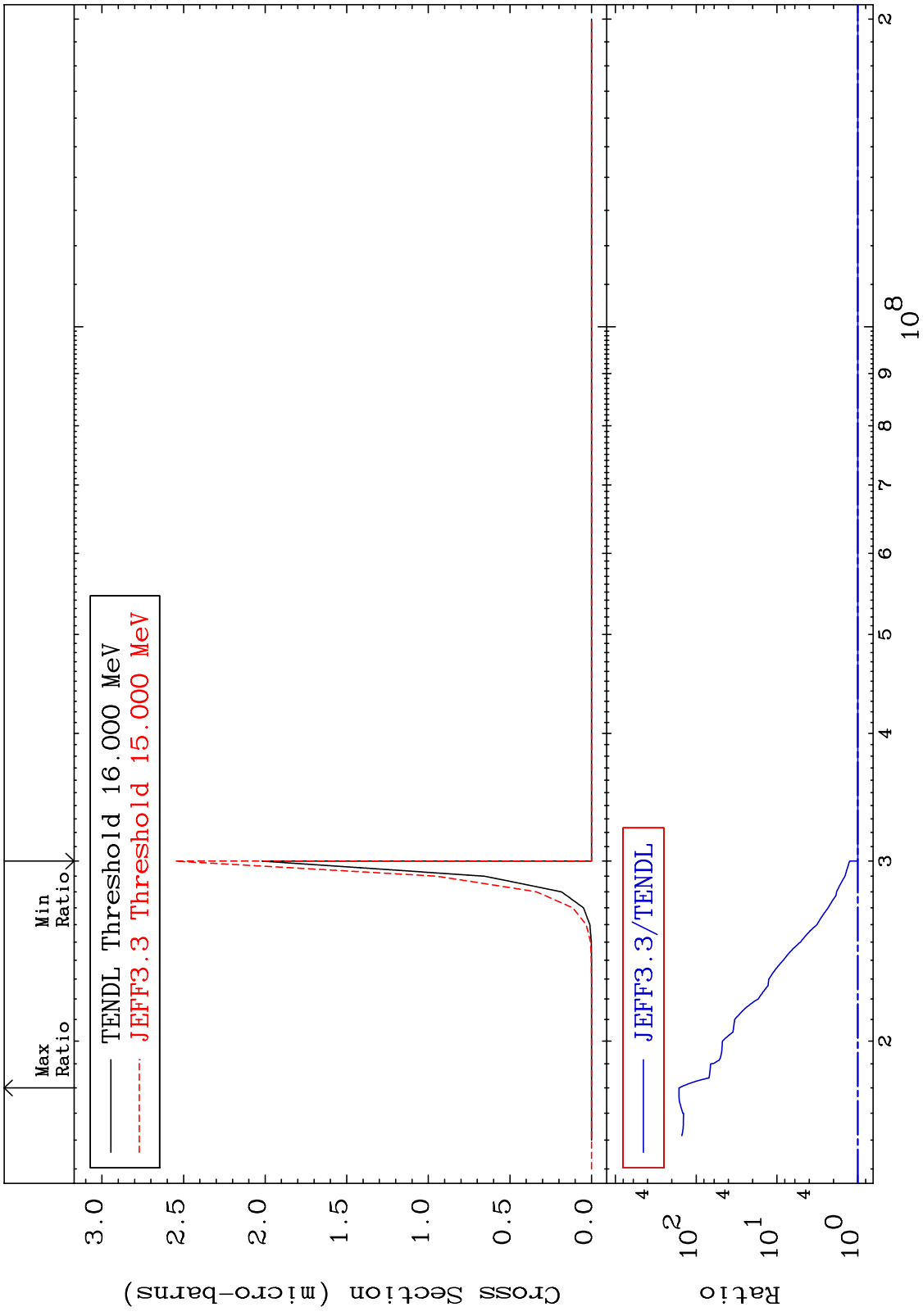
MAT 4725 (n, n') 2α: 43-Tc-99g 47-Ag-107  
 Radionuclide Production Cross Section 0.000 To 9999. %



47-Ag-107

Incident Energy (eV)

MAT 4725 (n, n') 2α:43-Tc-99m2 47-Ag-107  
 Radionuclide Production Cross Section 0.000 To 9999. %

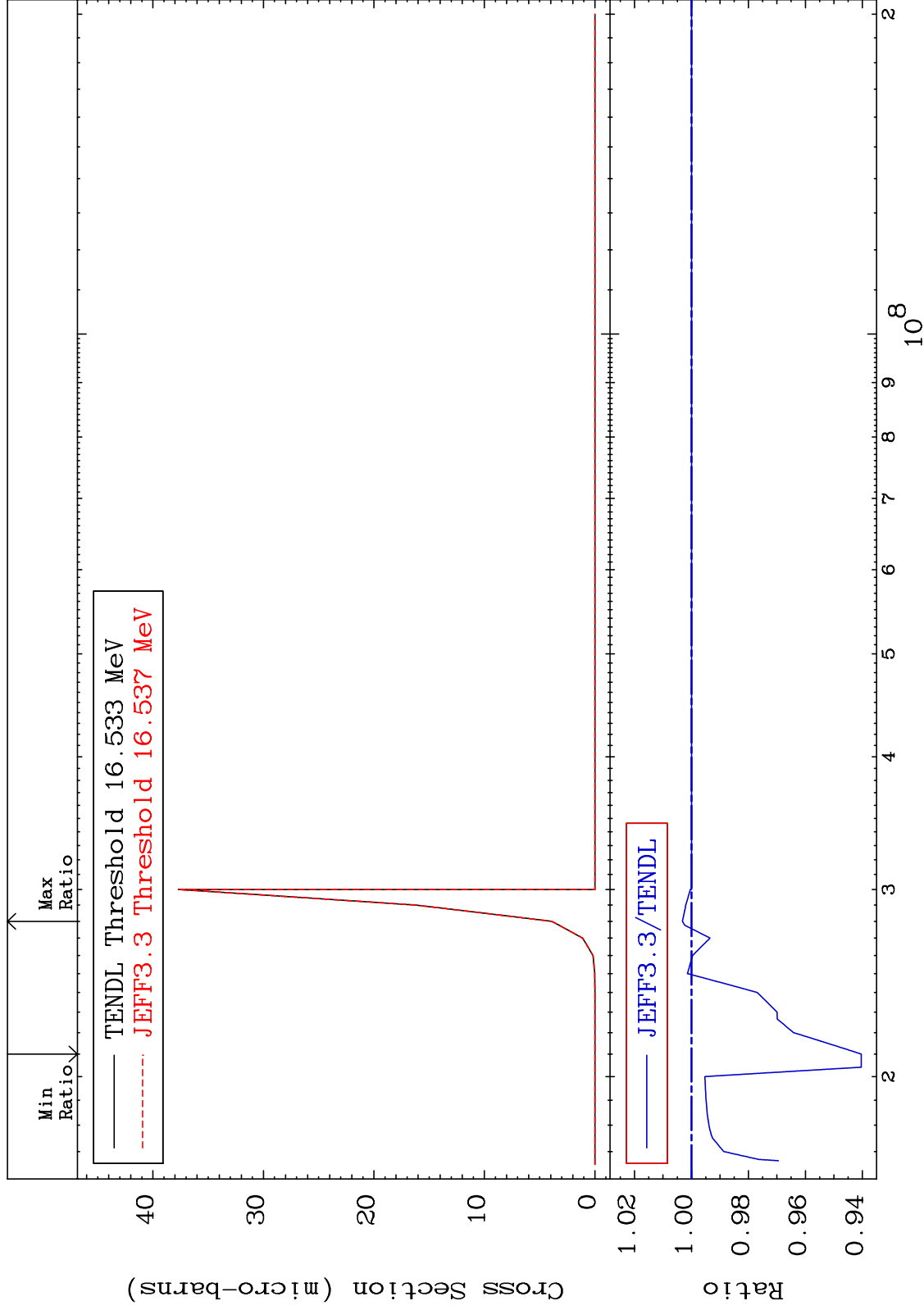


MAT 4725

(n, n') He-3:45-Rh-104g

47-Ag-107

Radionuclide Production Cross Section -5.963 To 0.317 %

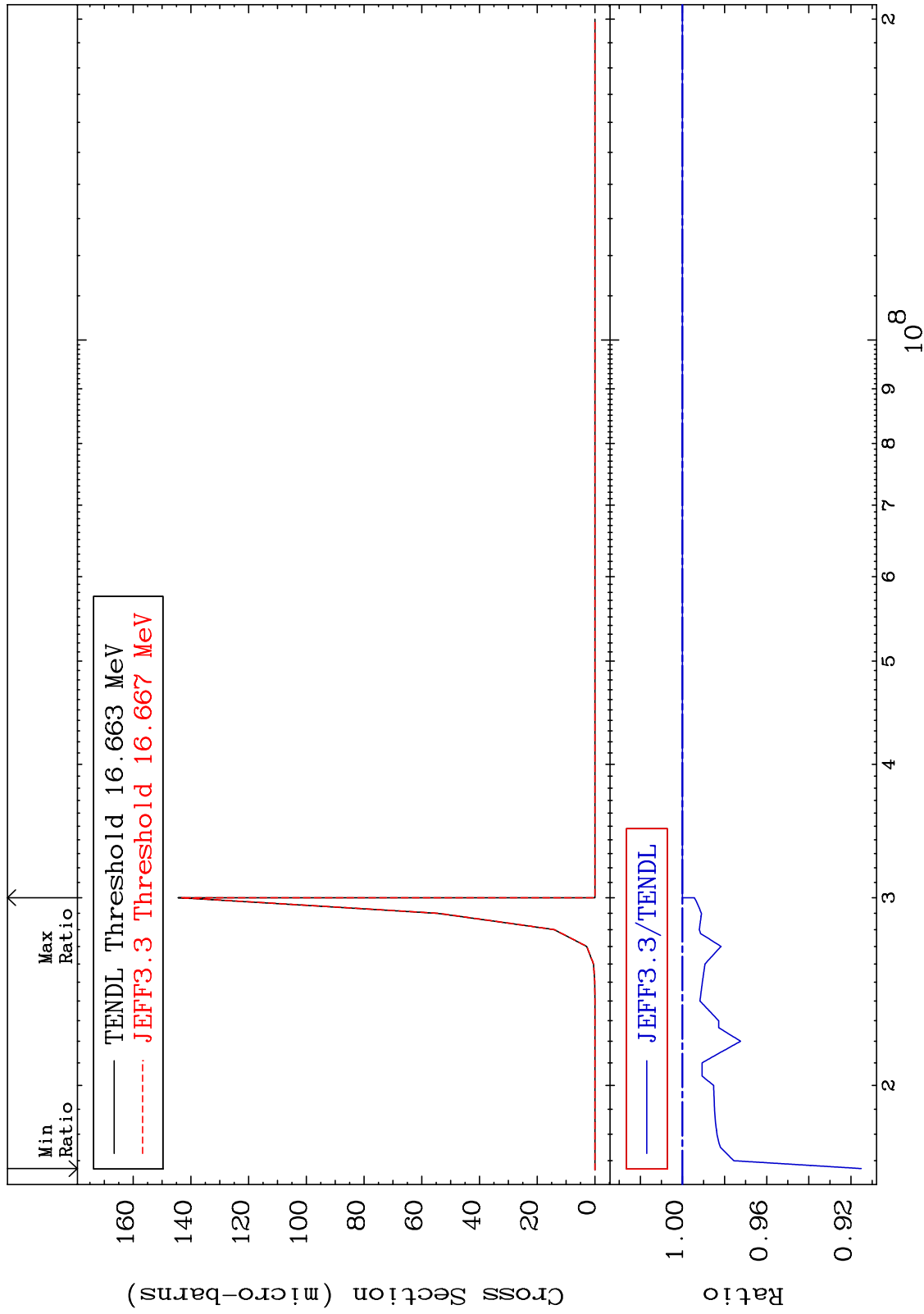


MAT 4725

(n, n') He-3:45-Rh-104m3

47-Ag-107

Radionuclide Production Cross Section -8.488 To 0.000 %



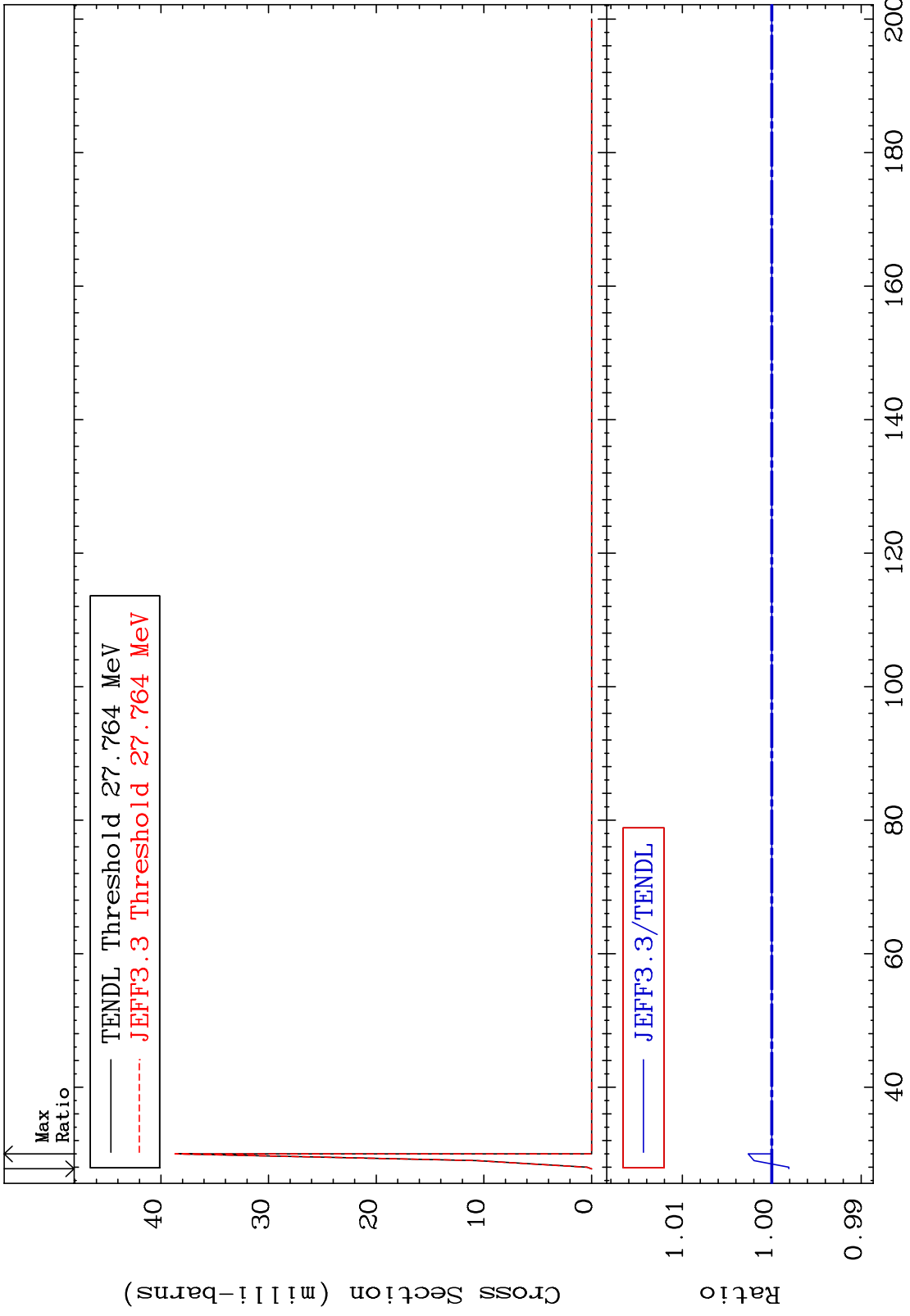
95

Incident Energy (eV)

47-Ag-107



MAT 4725 (n,4n):47-Ag-104g 47-Ag-107  
 Radionuclide Production Cross Section -0.192 To 0.263 %

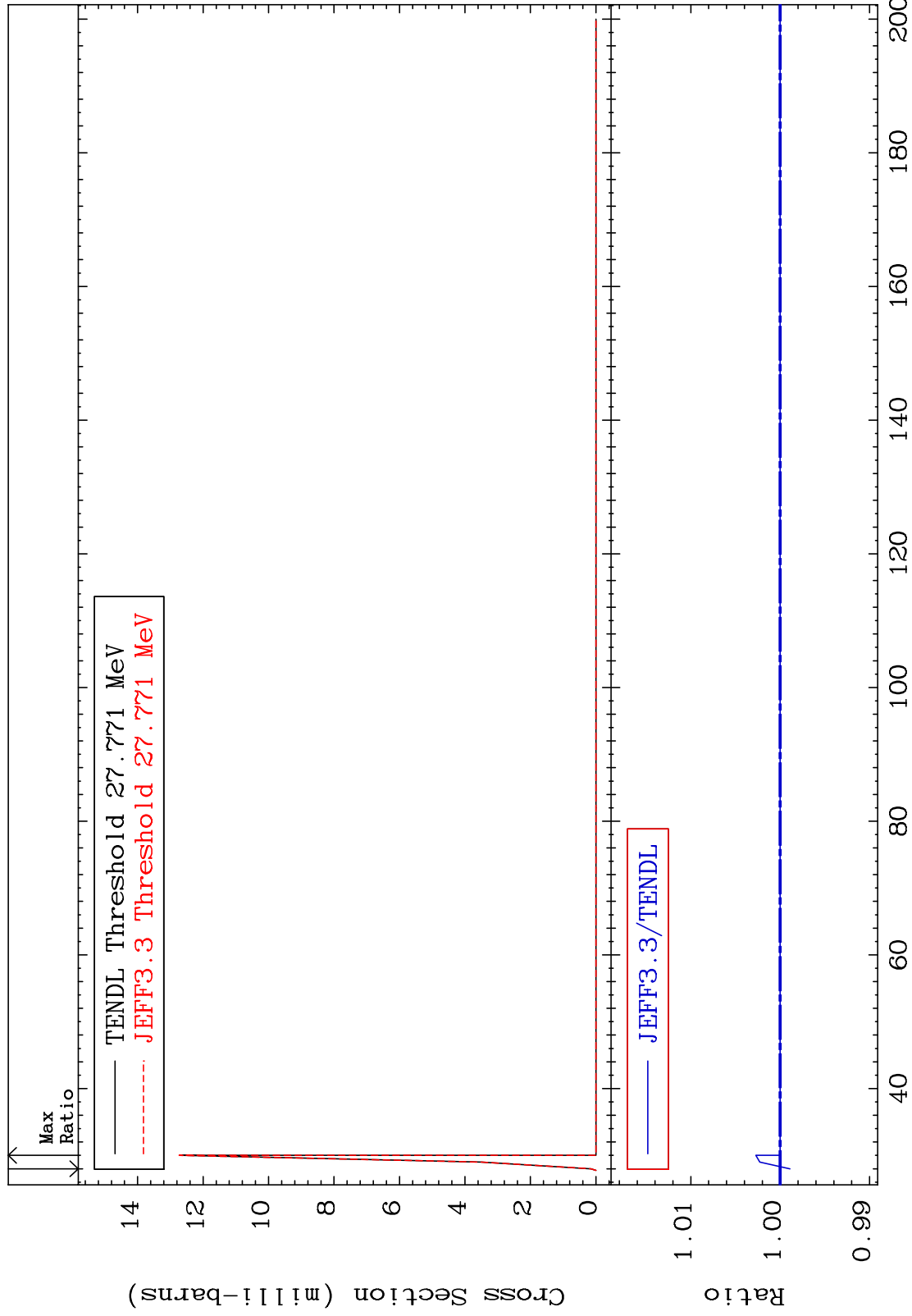


MAT 4725

(n, 4n) : 47-Ag-104m1

47-Ag-107

Radionuclide Production Cross Section -0.110 To 0.272 %

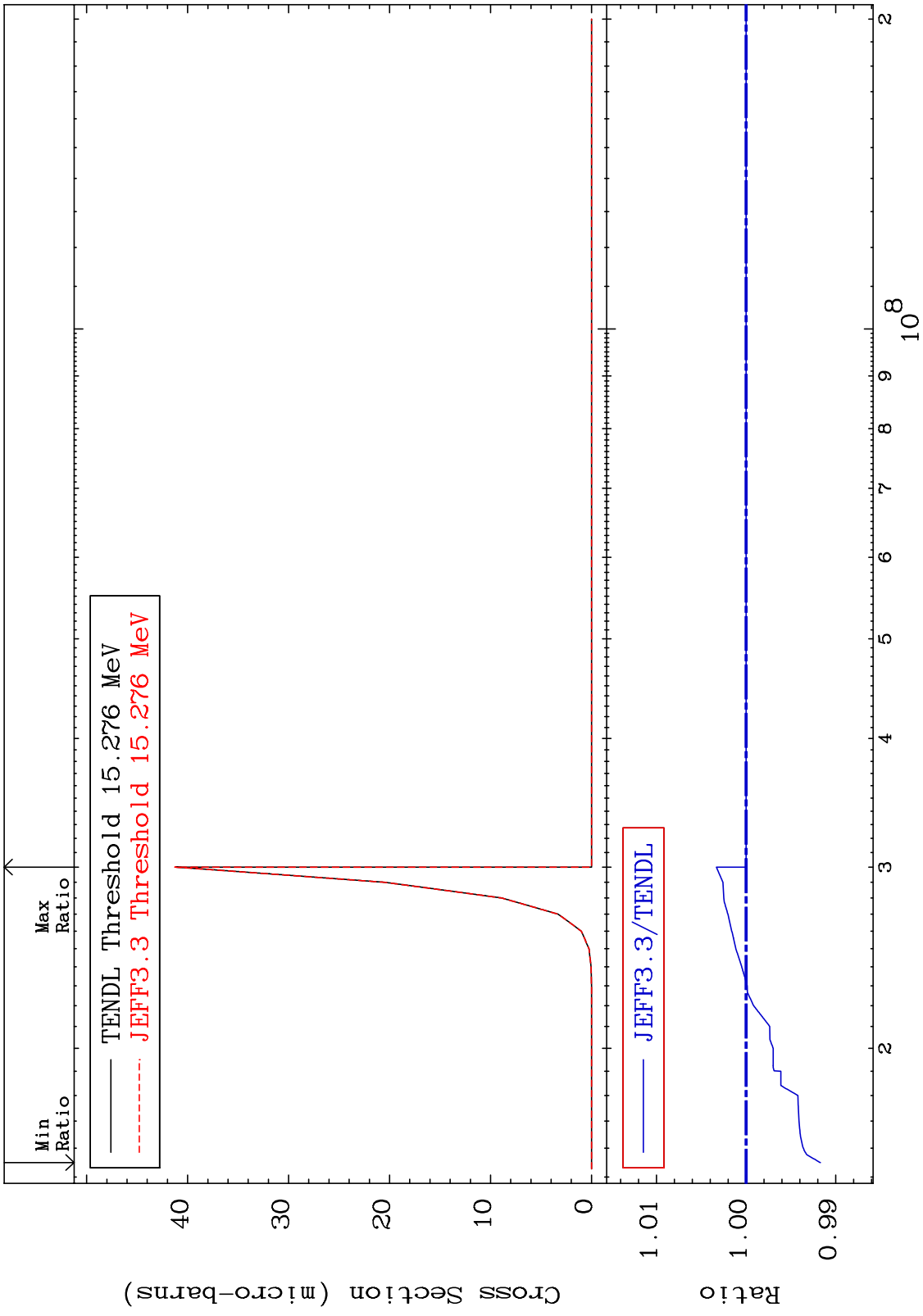


97

Incident Energy (MeV)

47-Ag-107

MAT 4725 (n,2n) p:45-Rh-105g 47-Ag-107  
 Radionuclide Production Cross Section -0.830 To 0.331 %

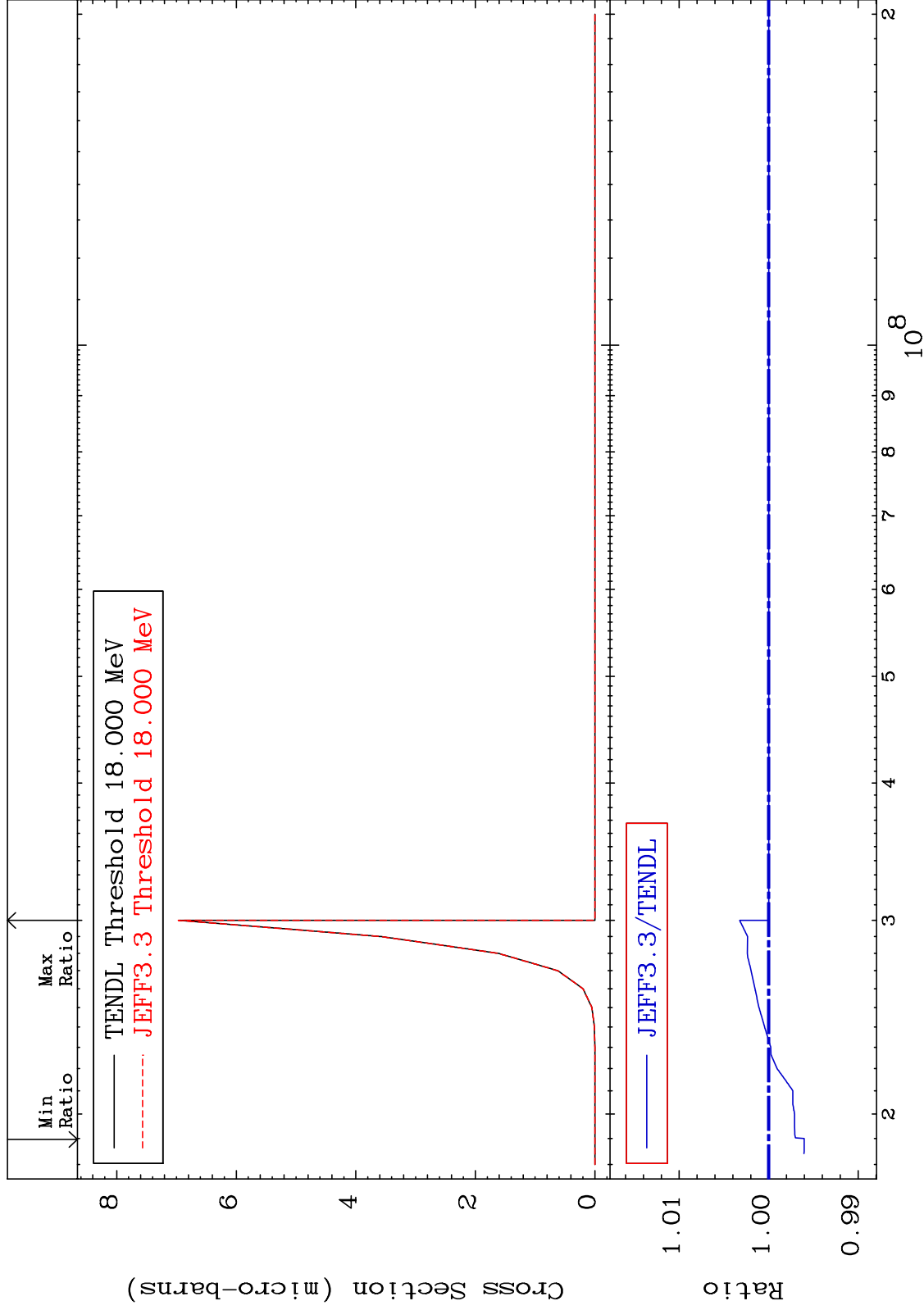


MAT 4725

(n,2n) p:45-Rh-105m1

47-Ag-107

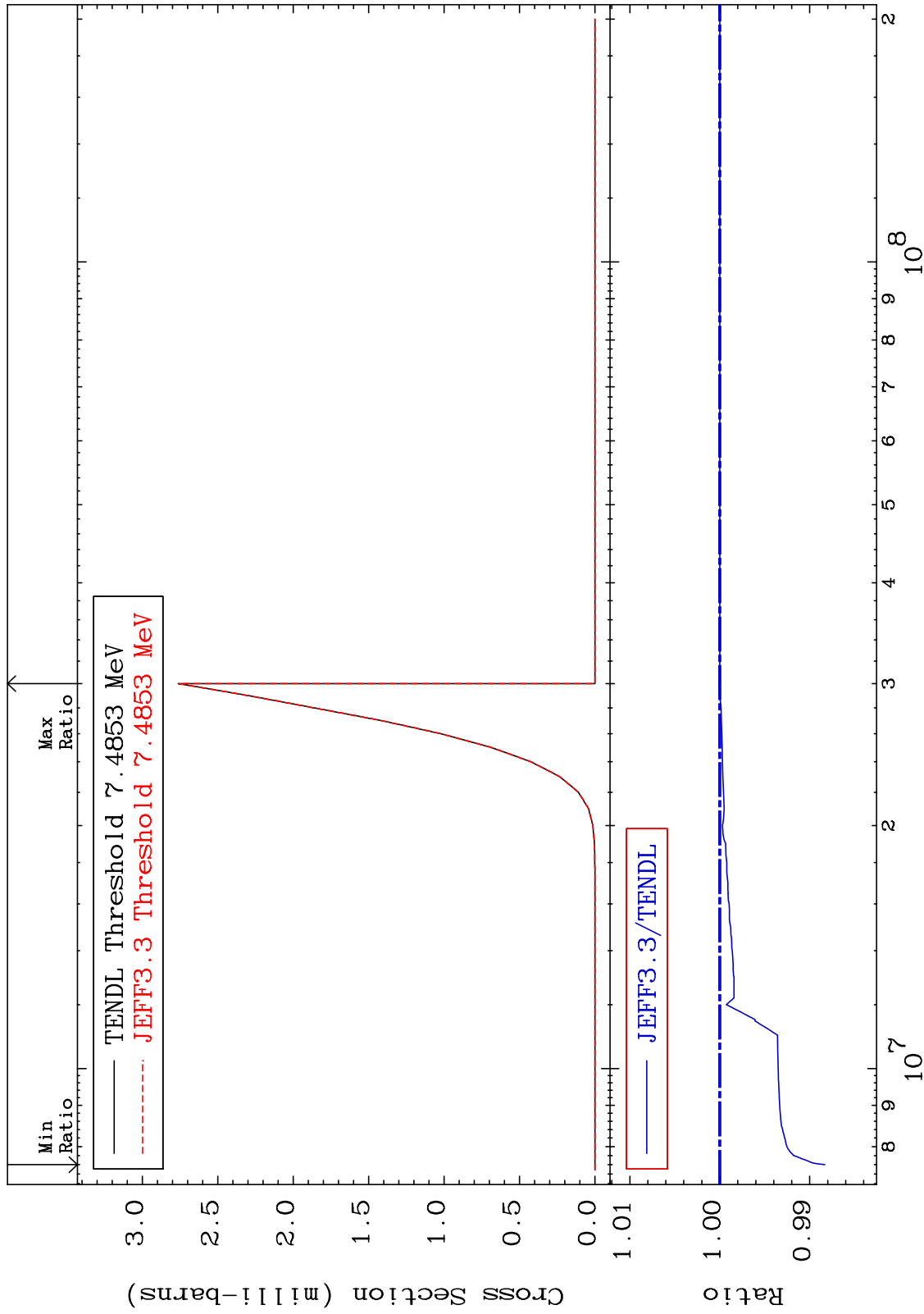
Radionuclide Production Cross Section -0.396 To 0.324 %



MAT 4725

47-Ag-107

(n, He-3) : 45-Rh-105g  
Radionuclide Production Cross Section -1.166 To 0.008 %



100

Incident Energy (eV)

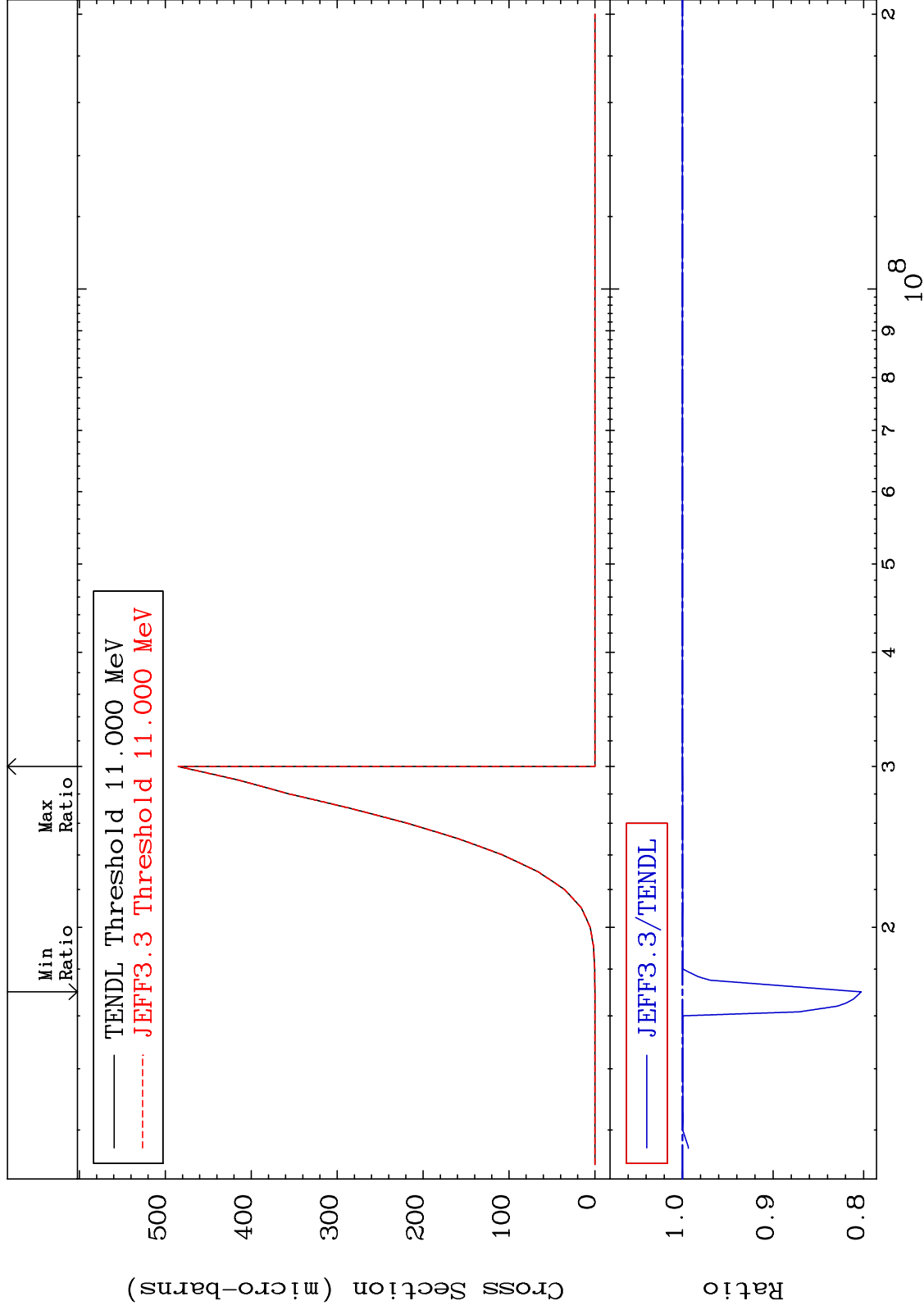
47-Ag-107

MAT 4725

(n, He-3) : 45-Rh-105m1

47-Ag-107

Radionuclide Production Cross Section -19.73 To 0.000 %



101

Incident Energy (eV)

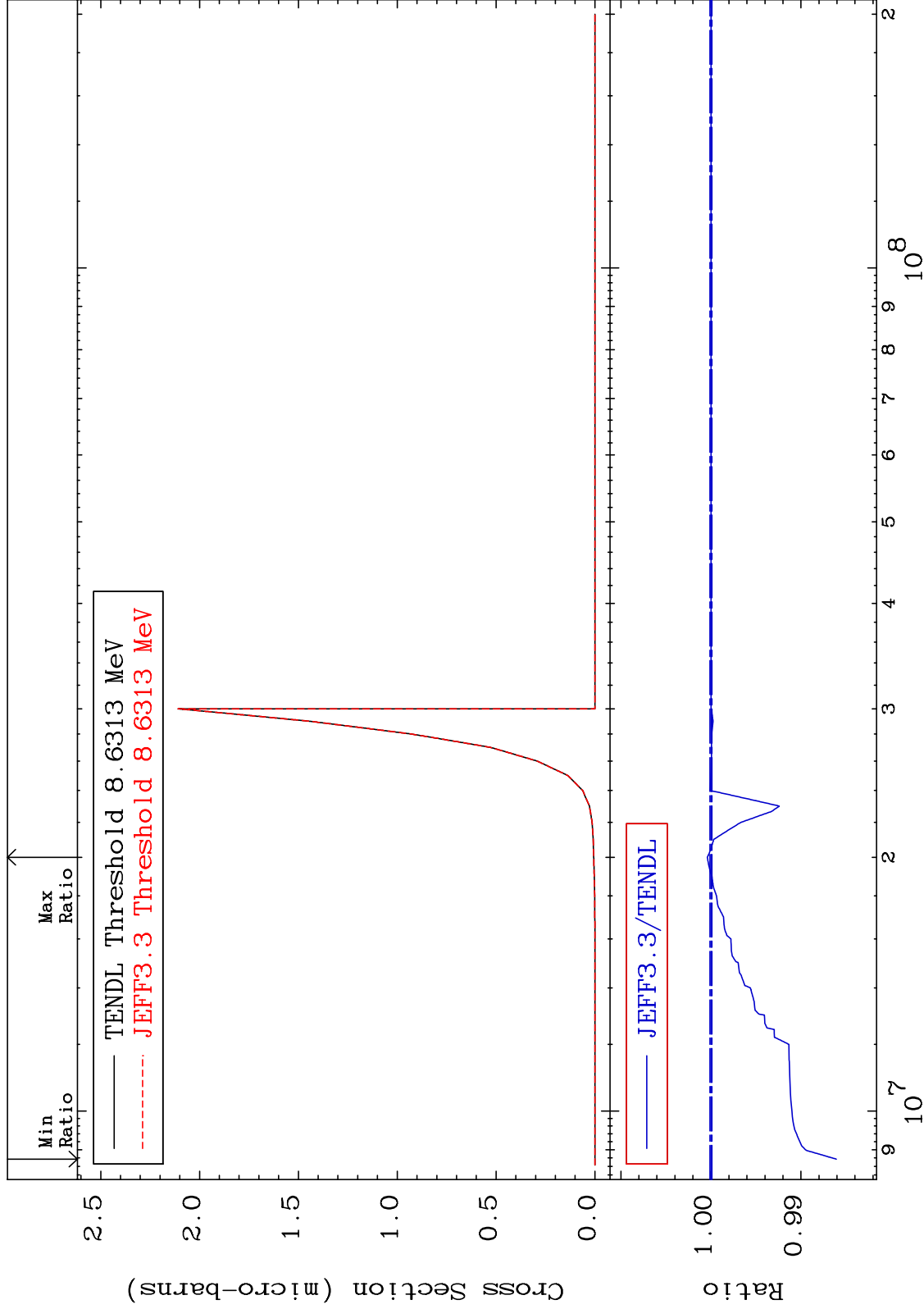
47-Ag-107

MAT 4725

(n,2p) : 45-Rh-106g

47-Ag-107

Radionuclide Production Cross Section -1.393 To 0.039 %

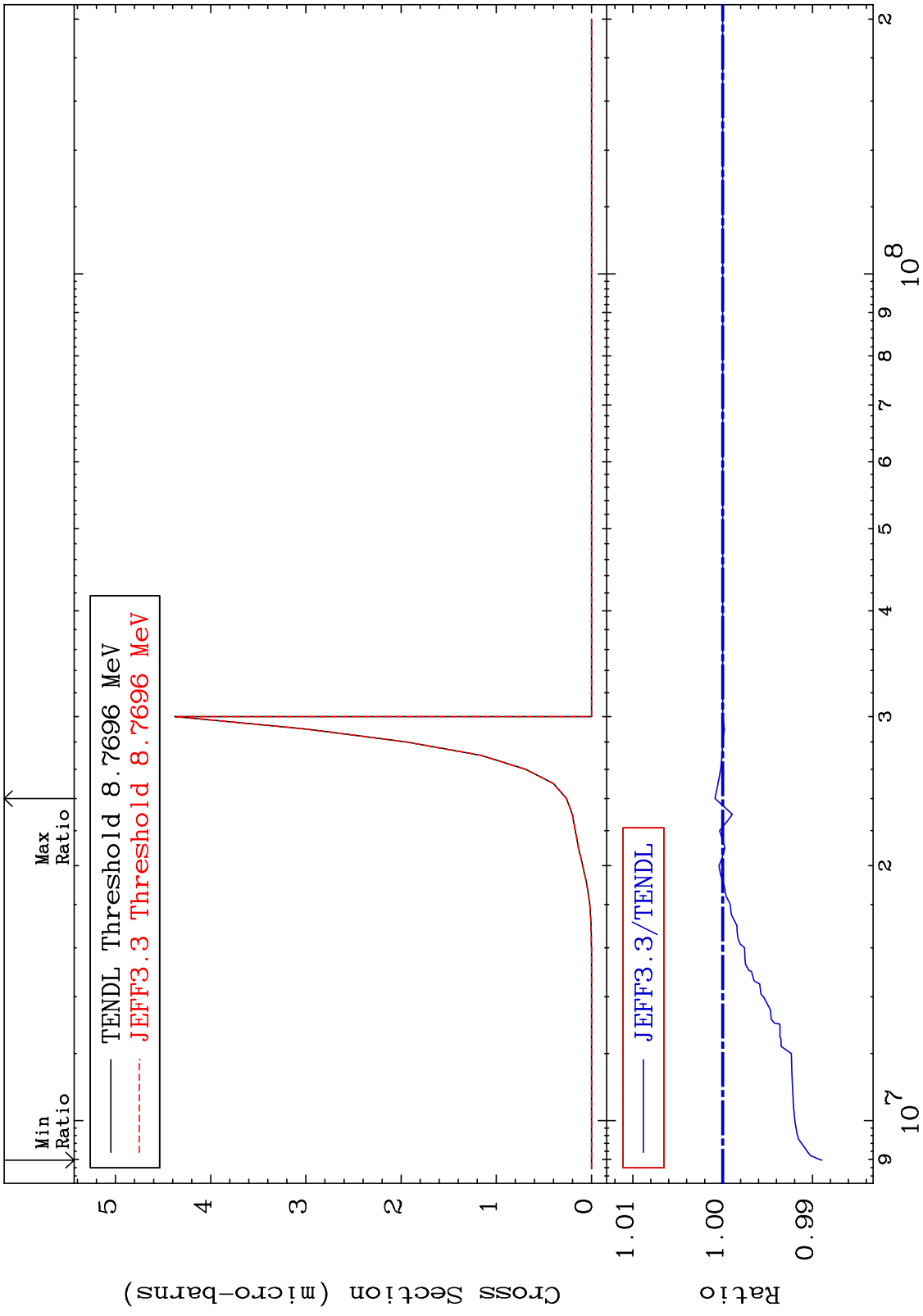


102

Incident Energy (eV)

47-Ag-107

MAT 4725 (n,2p) : 45-Rh-106m1 47-Ag-107  
 Radionuclide Production Cross Section -1.105 To 0.085 %



103 Incident Energy (eV) 47-Ag-107

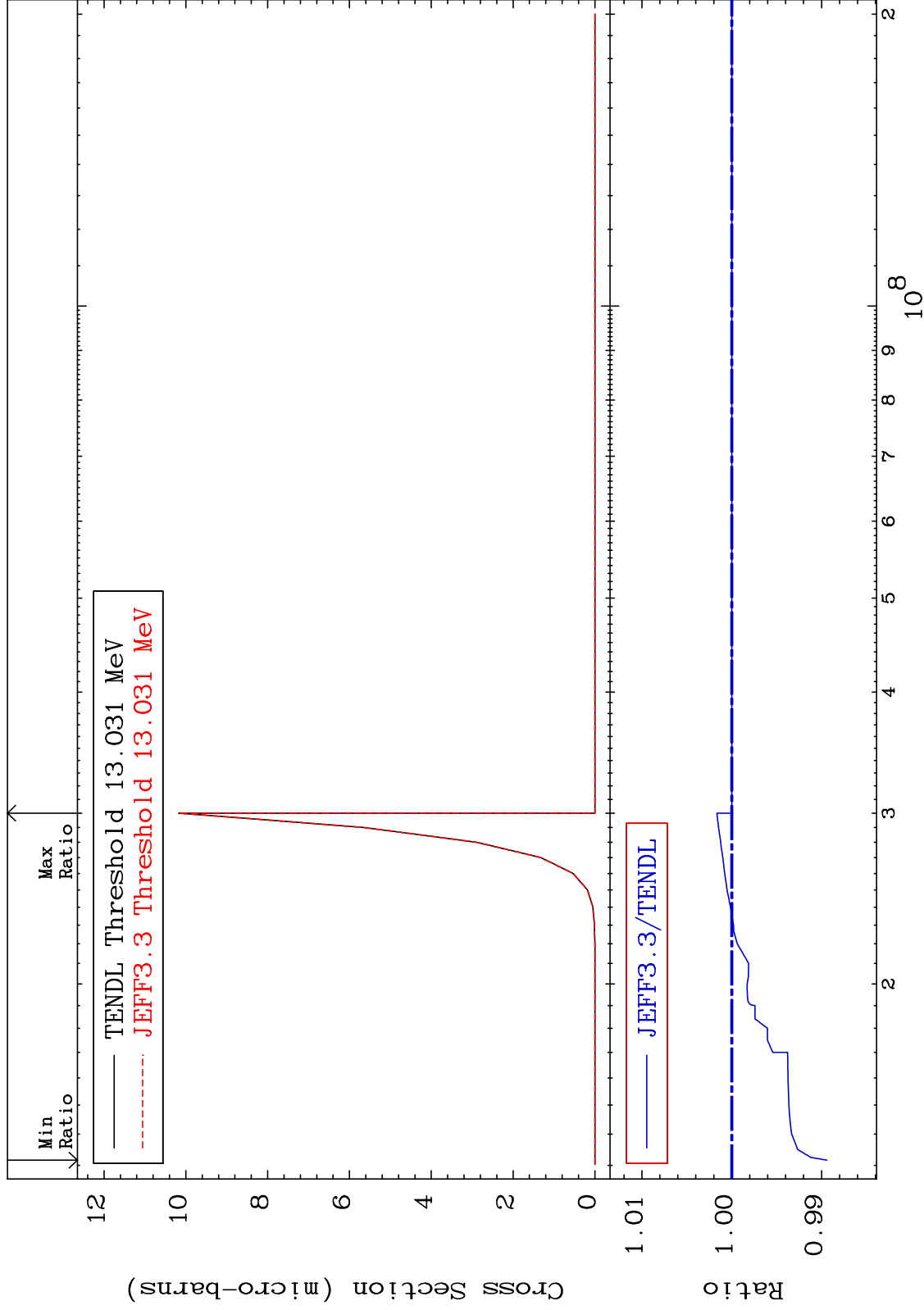


MAT 4725

(n, p) d: 45-Rh-105g

47-Ag-107

Radionuclide Production Cross Section -1.060 To 0.166 %

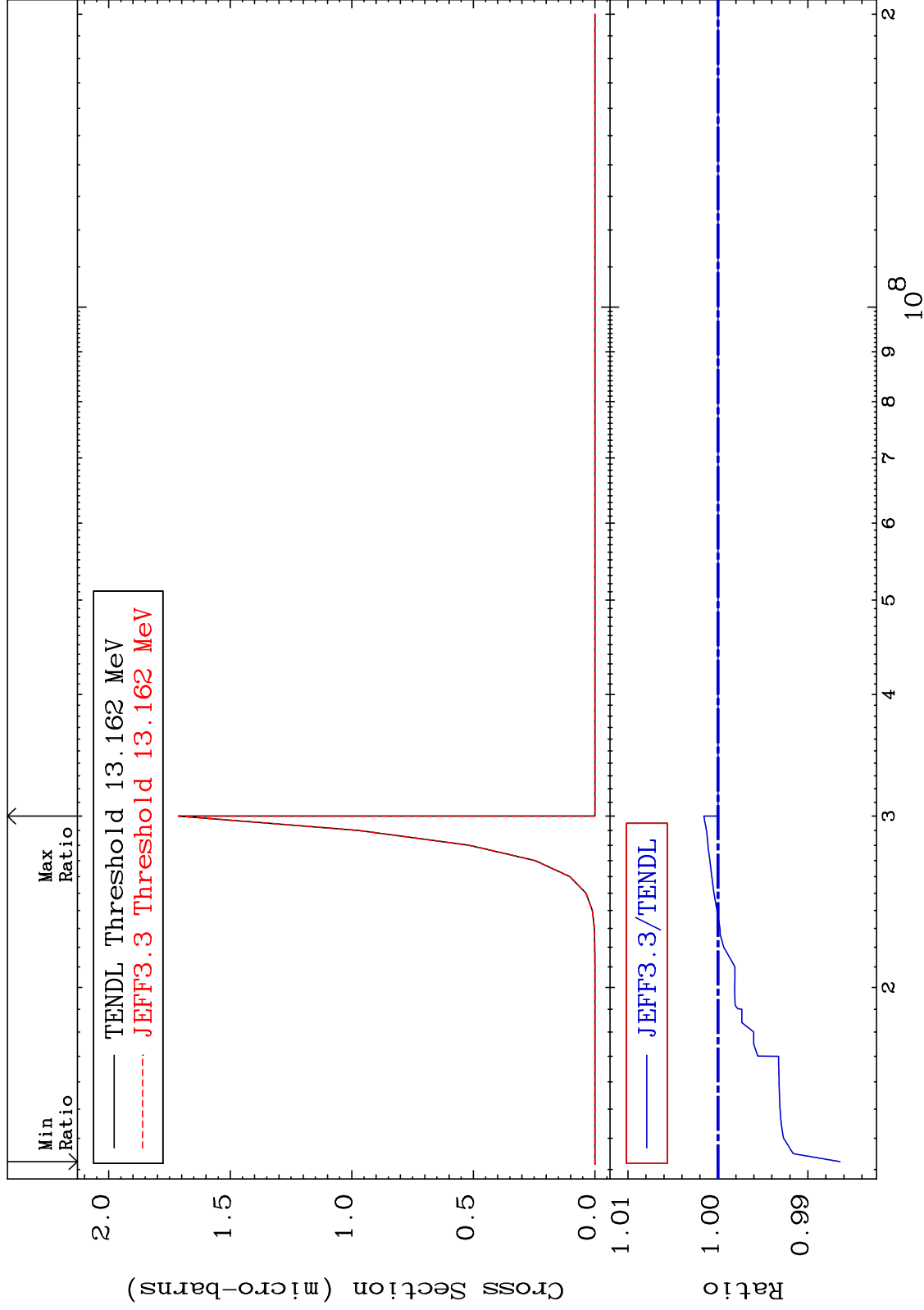


MAT 4725

(n, p) d:45-Rh-105m1

47-Ag-107

Radionuclide Production Cross Section -1.356 To 0.157 %

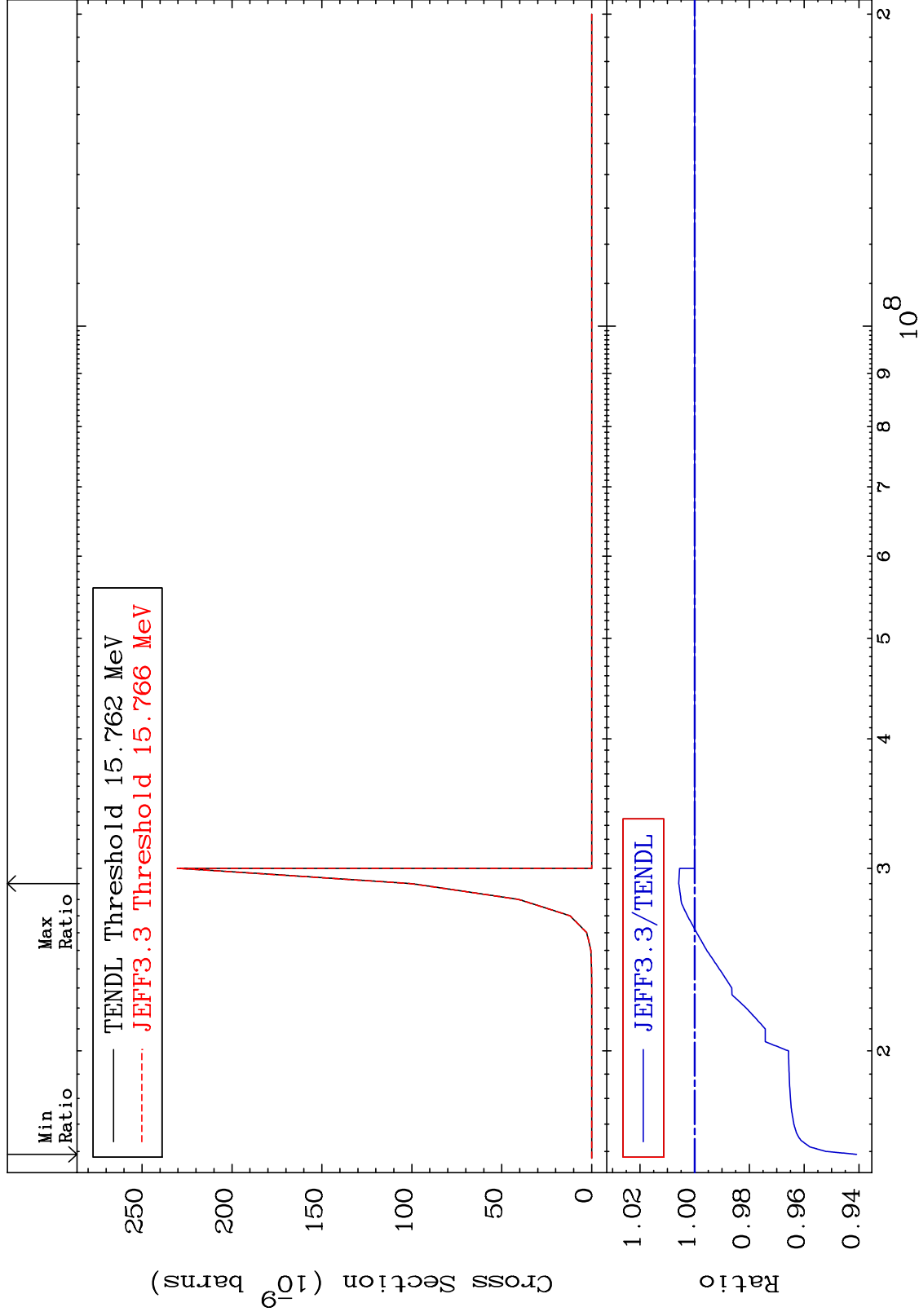


MAT 4725

(n,p) t: 45-Rh-104g

47-Ag-107

Radionuclide Production Cross Section -5.917 To 0.581 %



106

Incident Energy (eV)

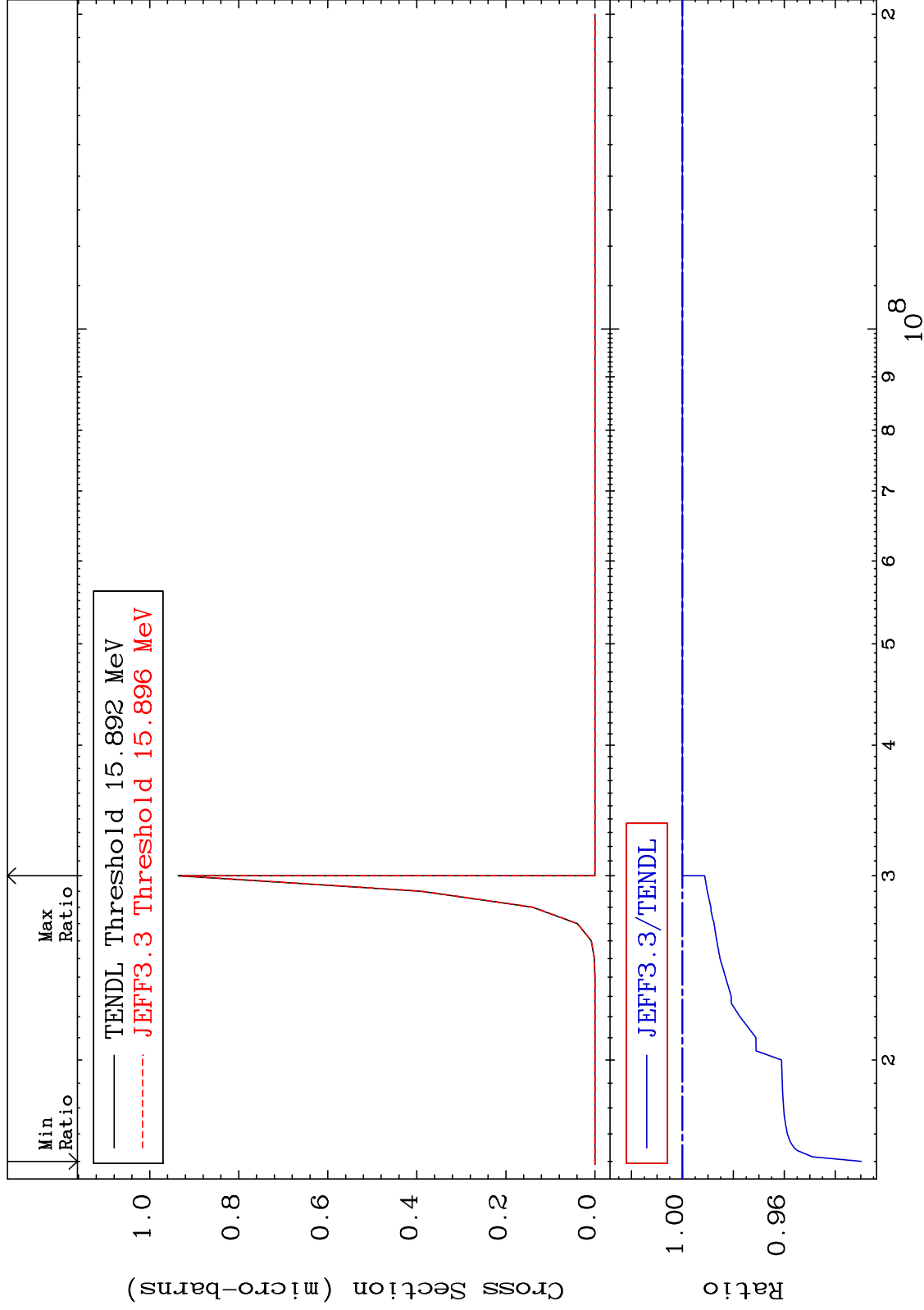
47-Ag-107

MAT 4725

(n,p) t:45-Rh-104m3

47-Ag-107

Radionuclide Production Cross Section -7.021 To 0.000 %



107

Incident Energy (eV)

47-Ag-107