

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

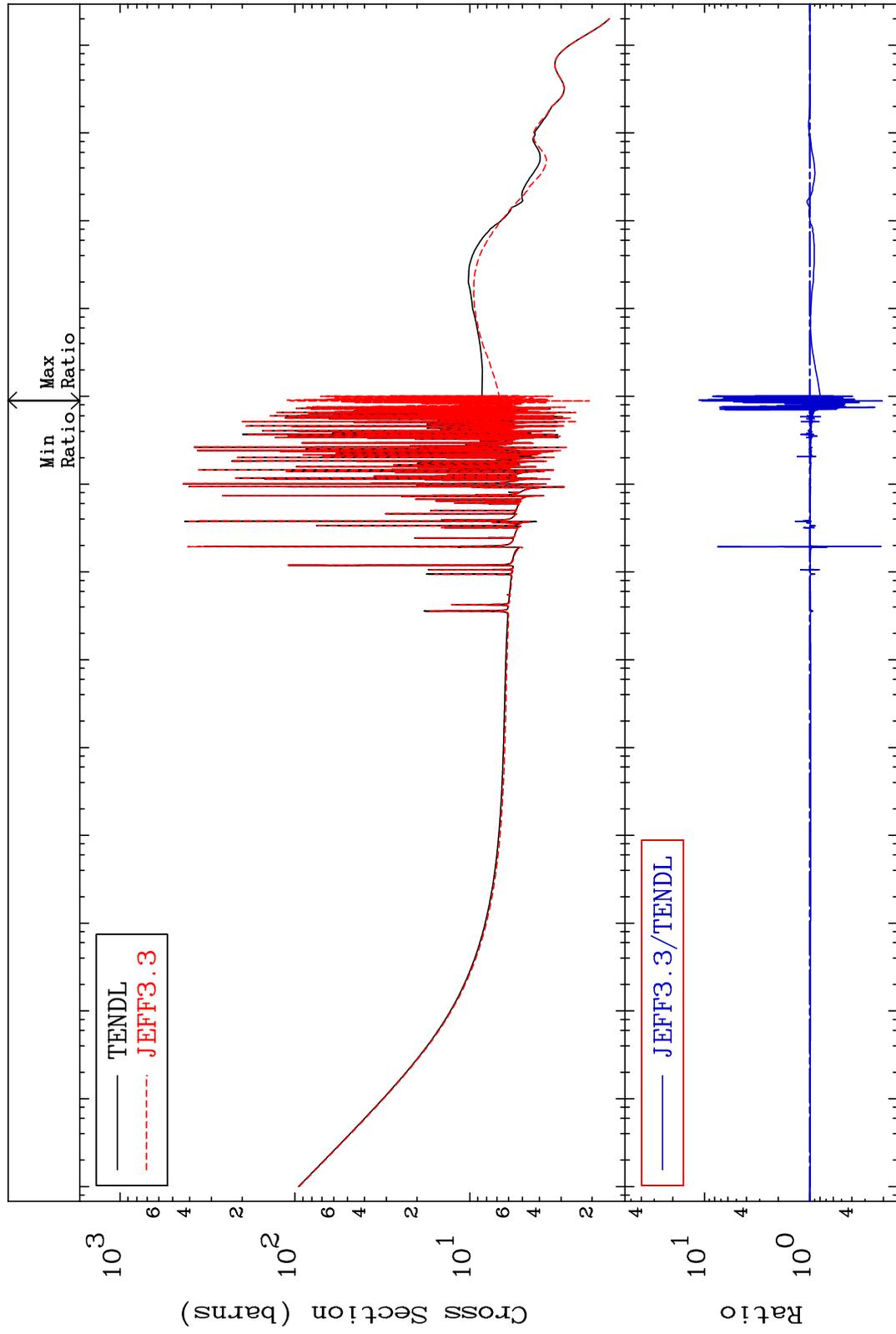
MAT 4125

Total

41-Nb-93

Cross Section

-79.39 To 1028. %



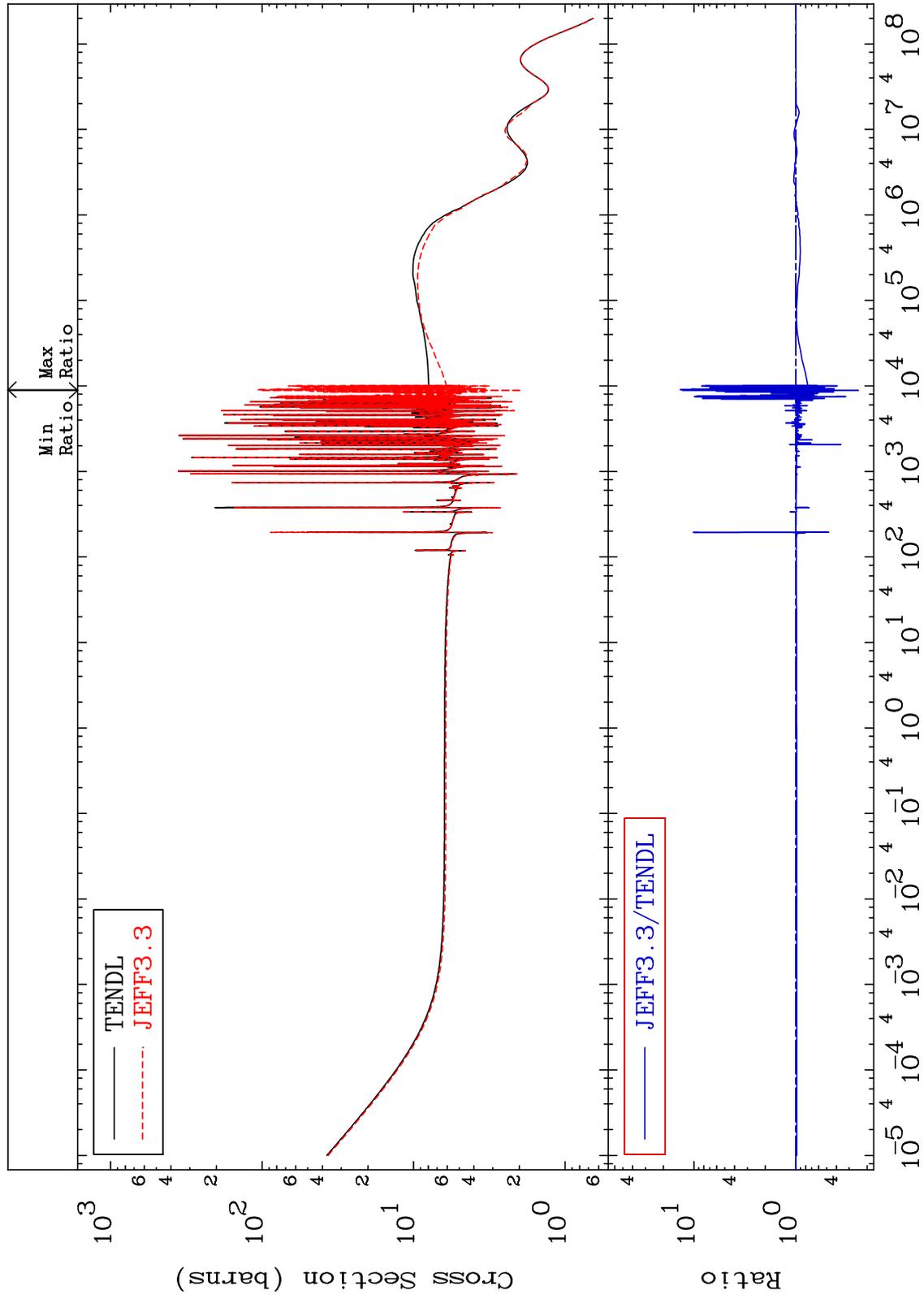
Incident Energy (eV)

41-Nb-93

MAT 4125

Elastic  
Cross Section

41-Nb-93  
-75.71 To 1261. %



Incident Energy (eV)

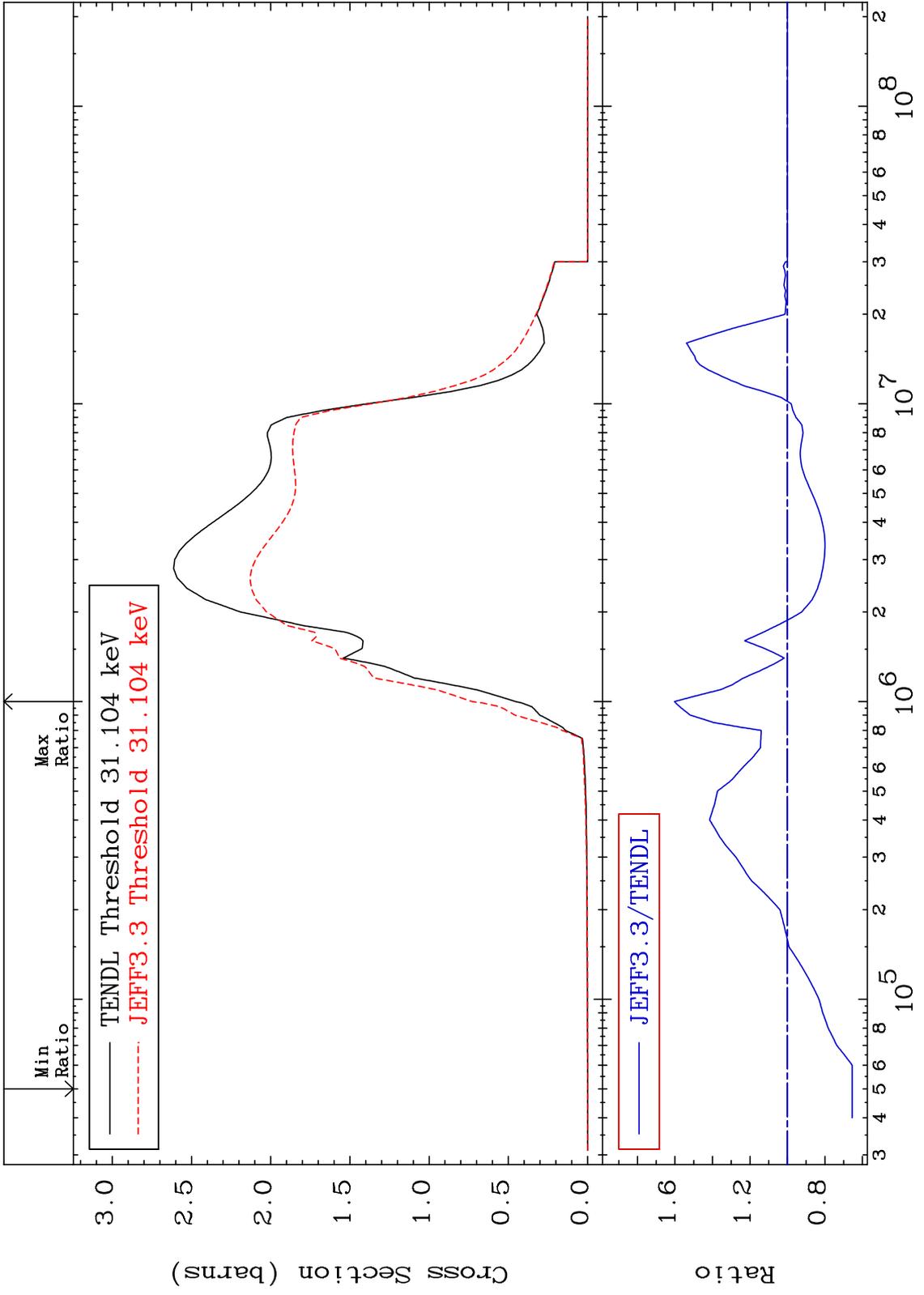
41-Nb-93

MAT 4125

Inelastic  
Cross Section

41-Nb-93

-34.54 To 60.25 %



3

Incident Energy (eV)

41-Nb-93

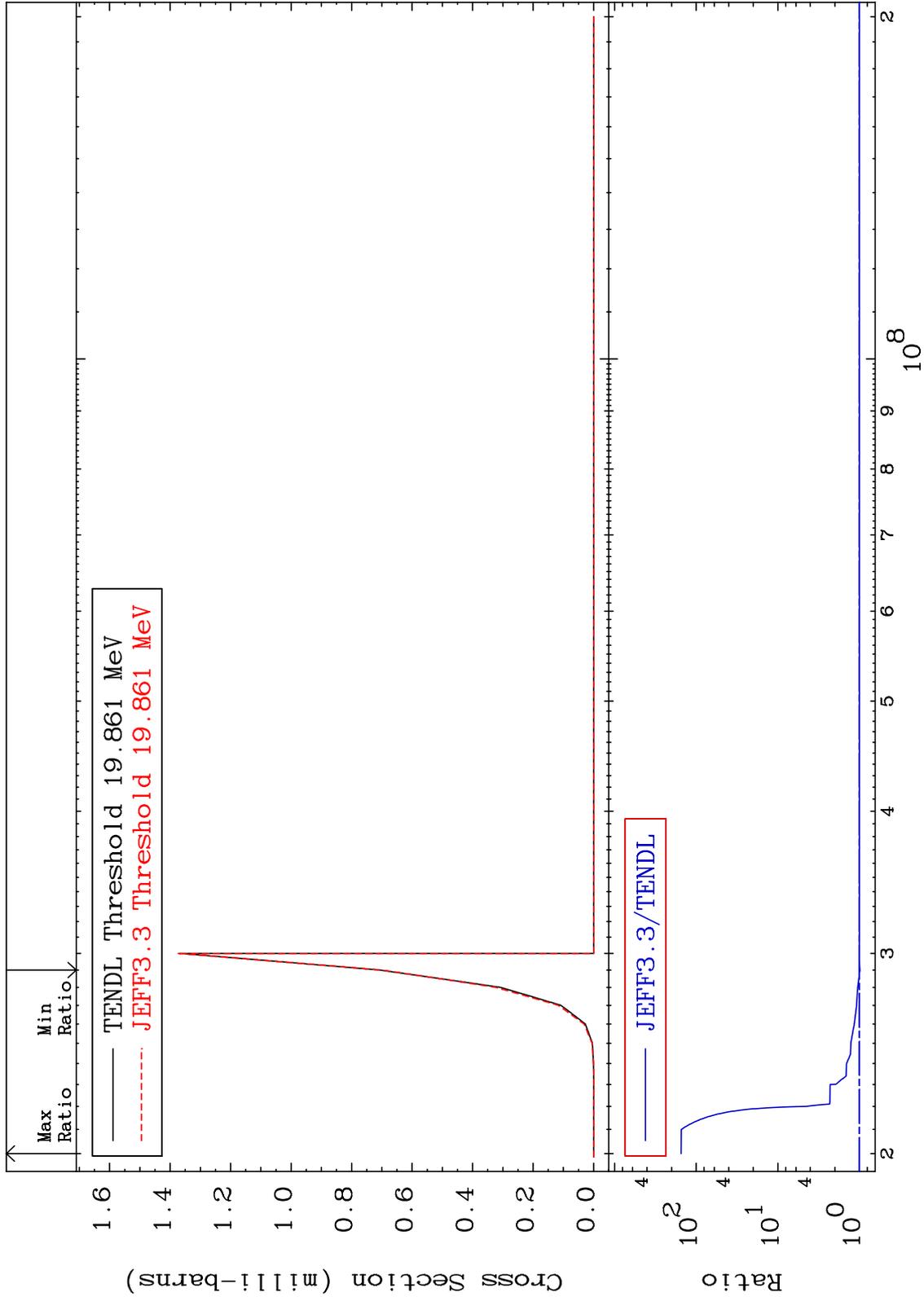
MAT 4125

(n,2n) d

41-Nb-93

Cross Section

-1.193 To 9999. %



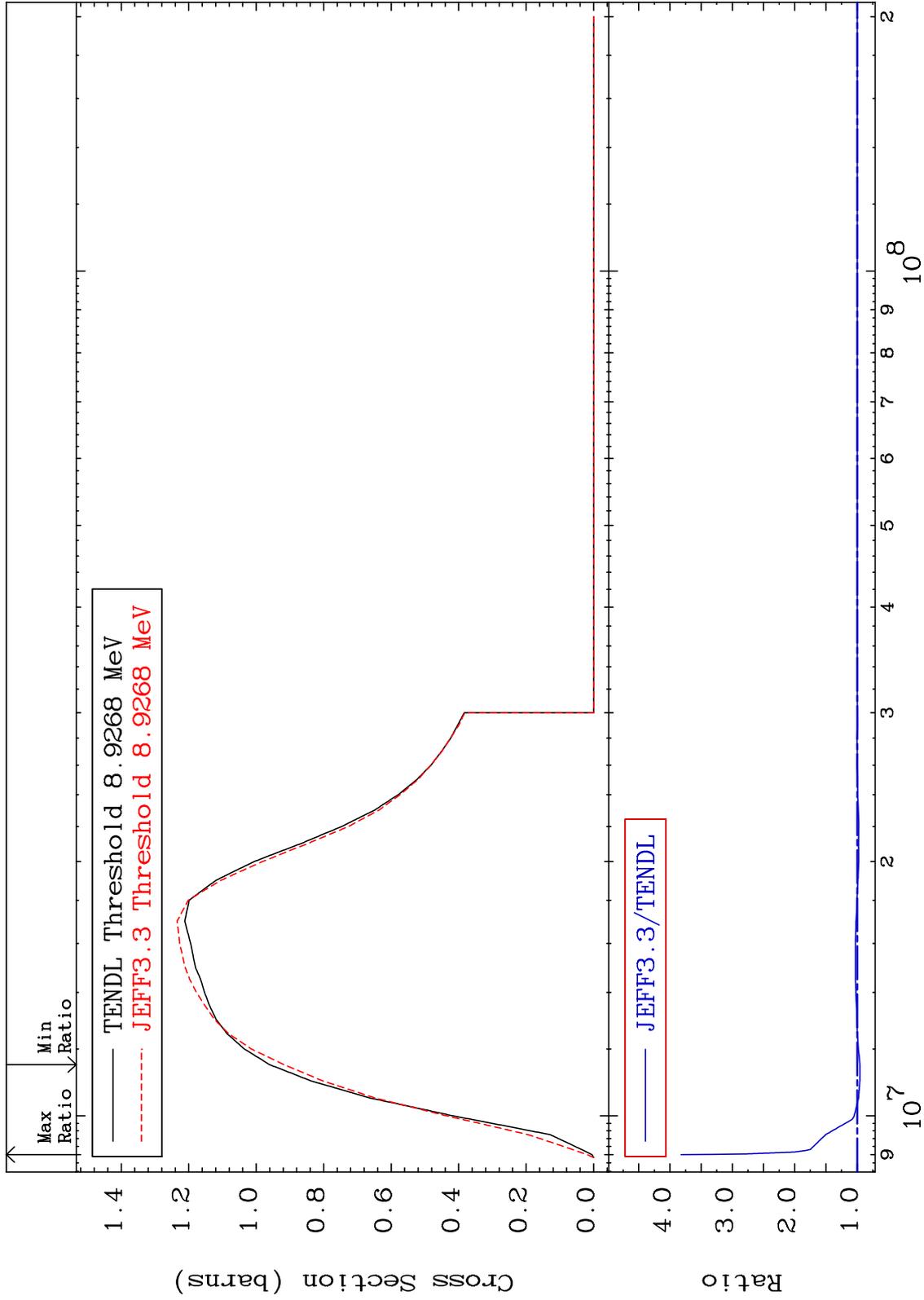
MAT 4125

(n,2n)

41-Nb-93

Cross Section

-4.422 To 282.1 %



Incident Energy (eV)

41-Nb-93

5

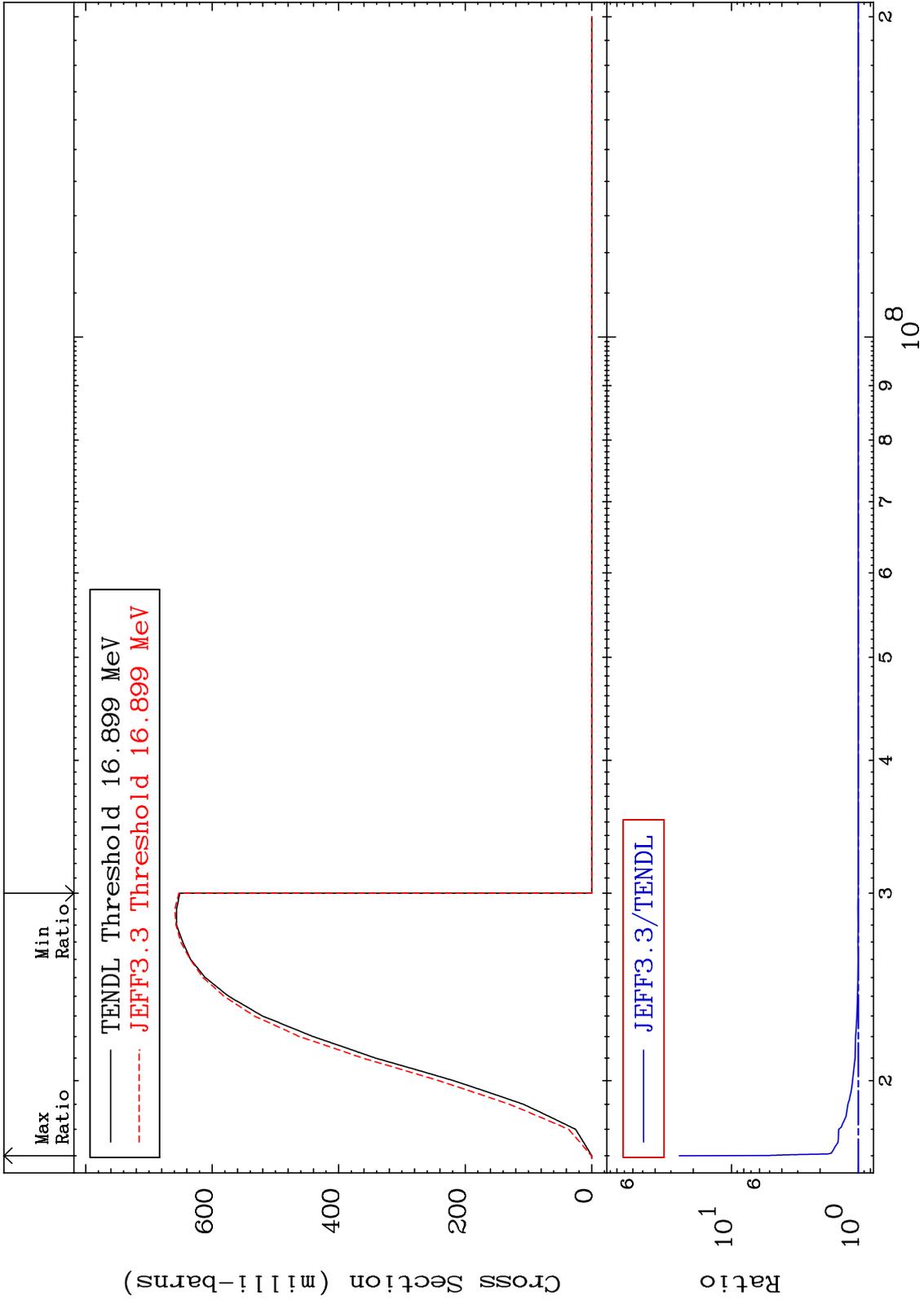
MAT 4125

(n, 3n)

41-Nb-93

Cross Section

0.000 To 2477. %



6

Incident Energy (eV)

41-Nb-93

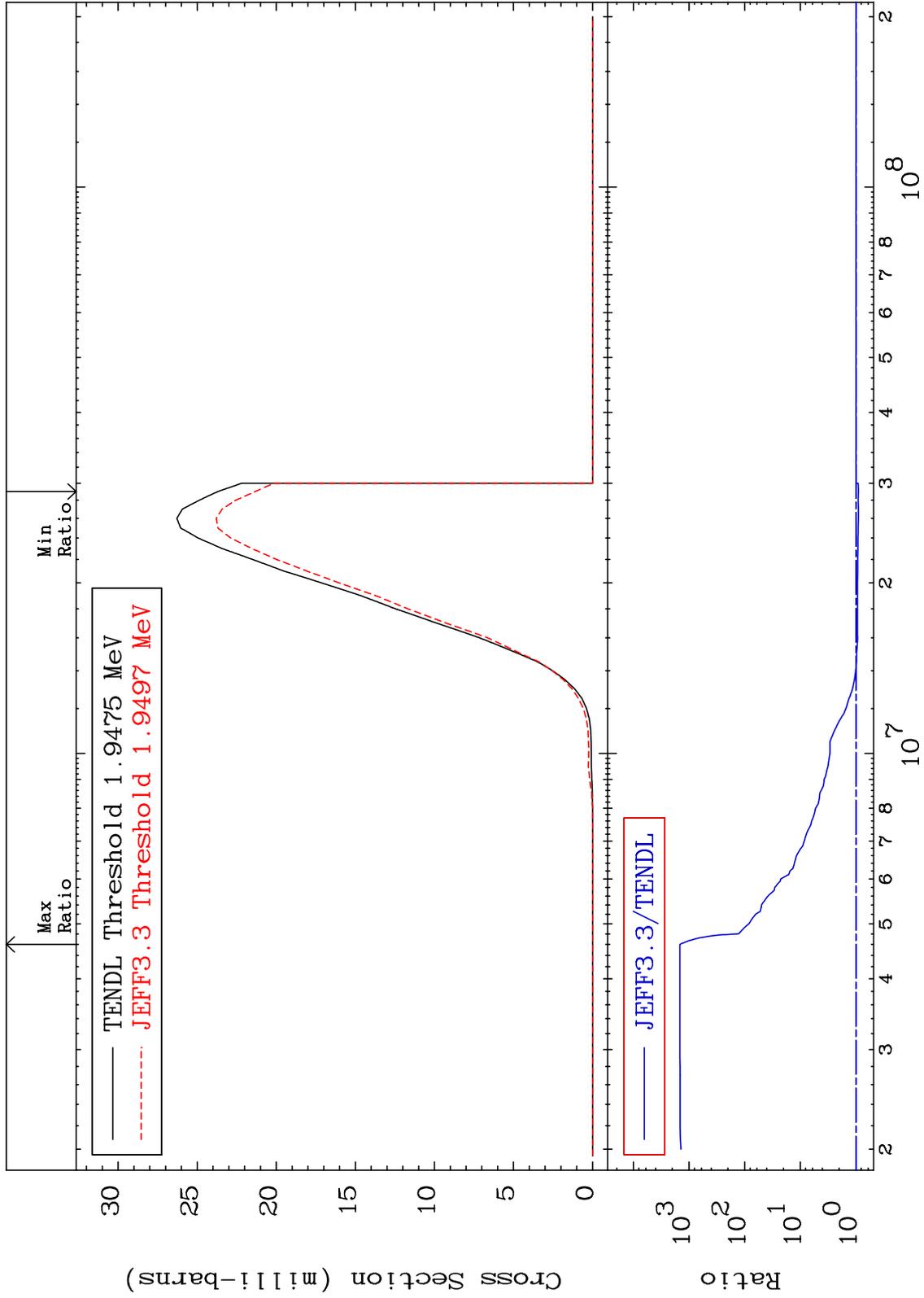
MAT 4125

(n,n')  $\alpha$

41-Nb-93

Cross Section

-10.02 To 9999. %



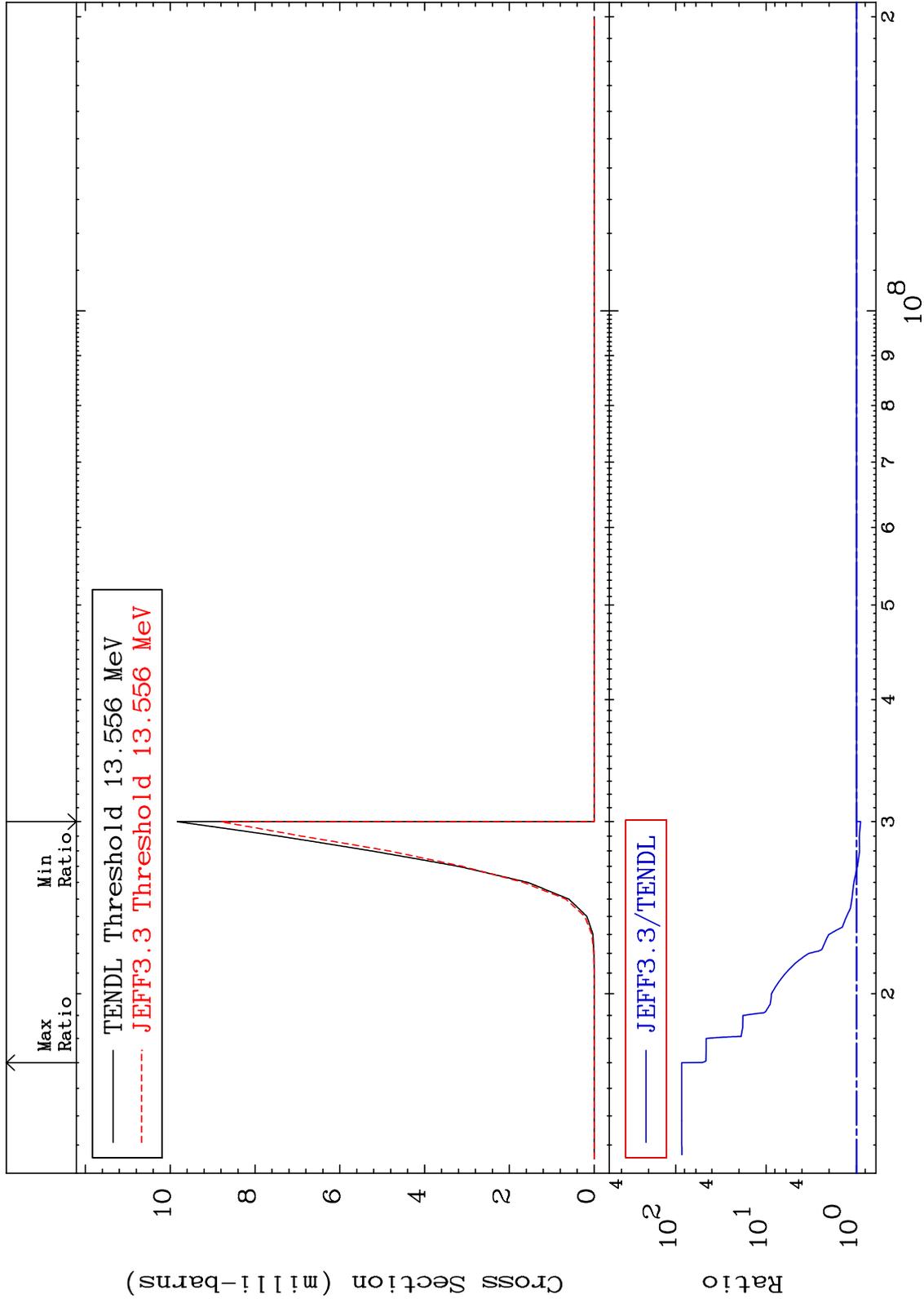
MAT 4125

(n,2n)  $\alpha$

41-Nb-93

Cross Section

-10.38 To 8503. %



MAT 4125

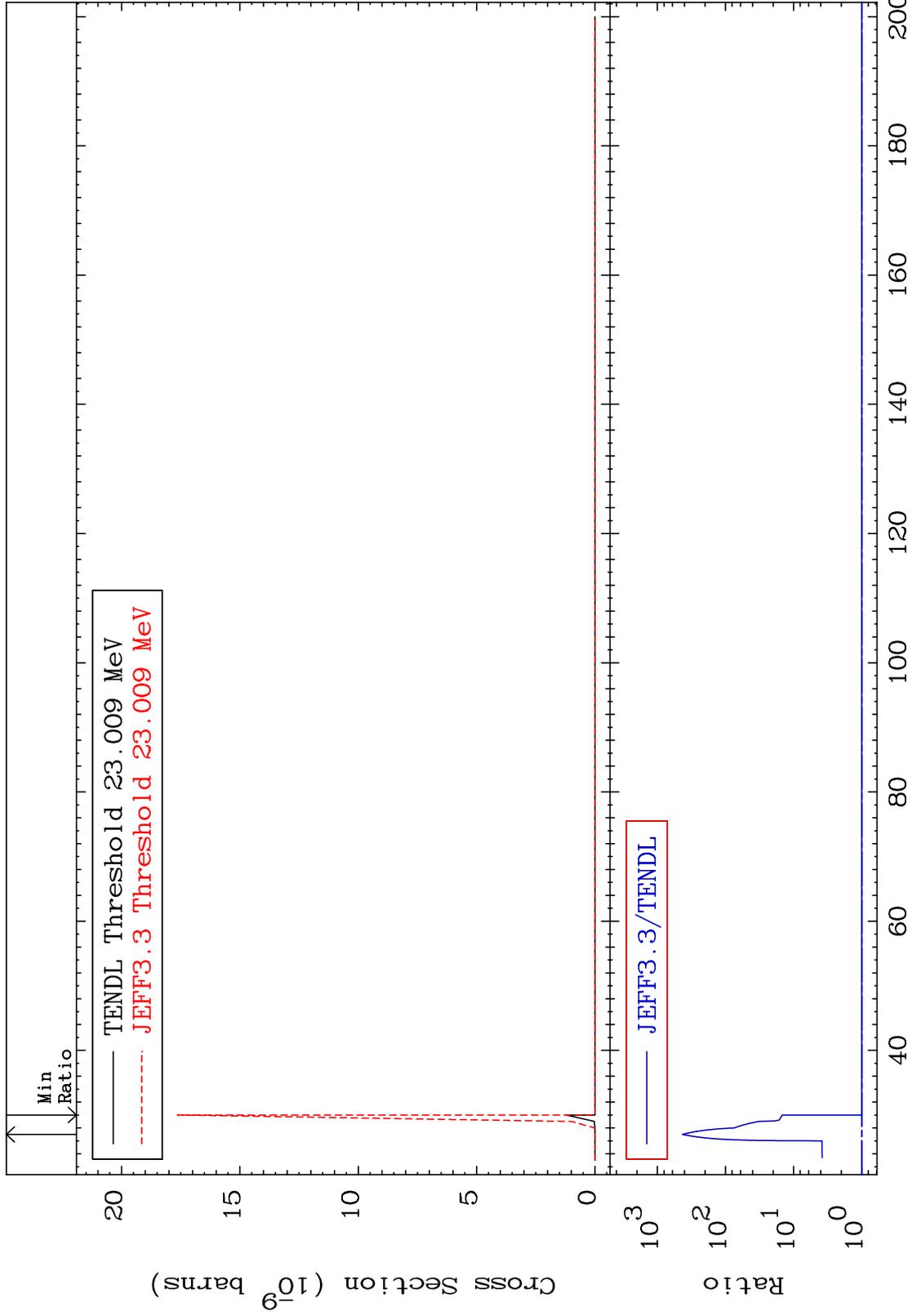
(n, 3n)  $\alpha$

41-Nb-93

Cross Section

0.000

To 9999. %



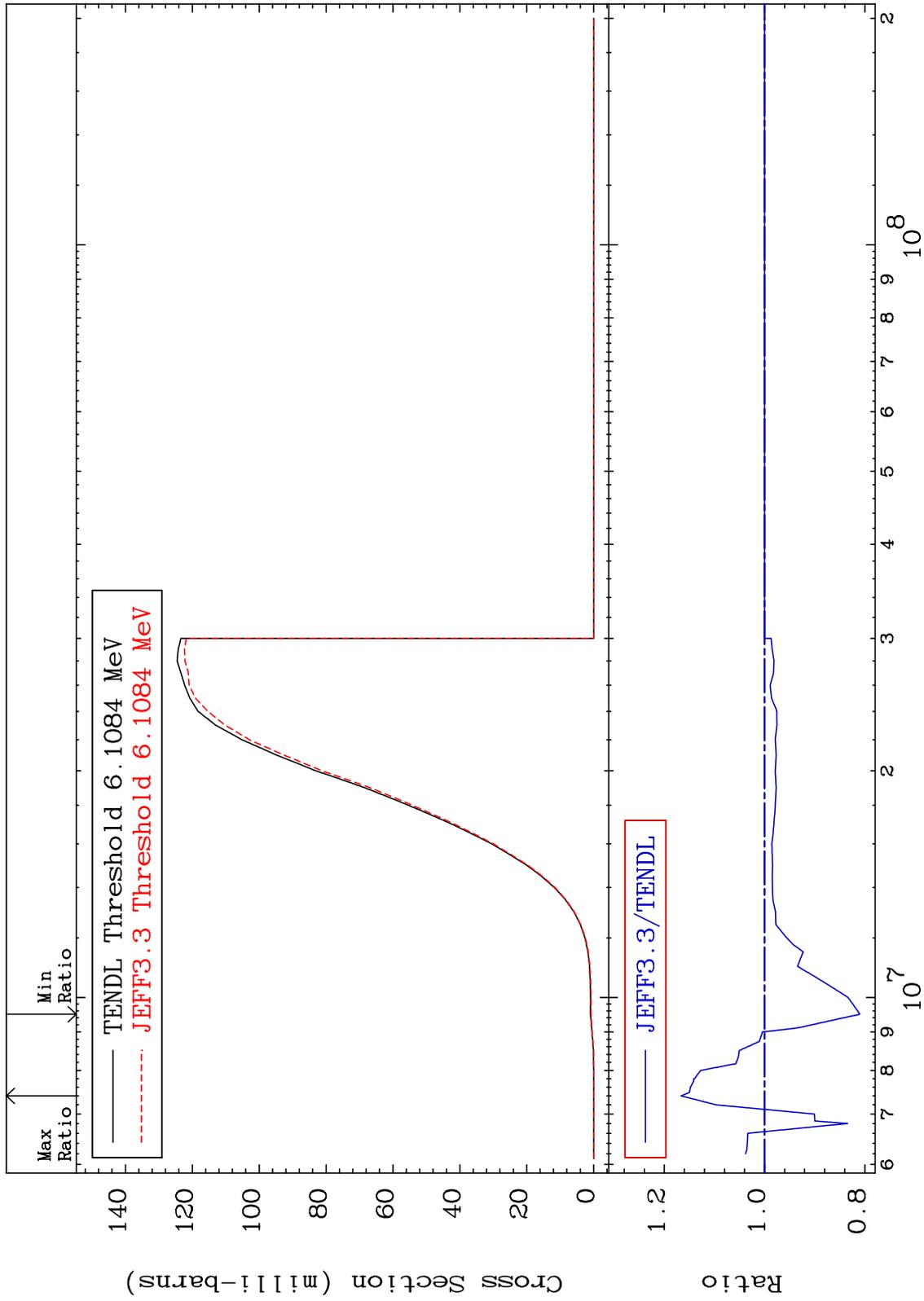
MAT 4125

(n,n') p

41-Nb-93

Cross Section

-19.03 To 16.65 %



41-Nb-93

Incident Energy (eV)

10

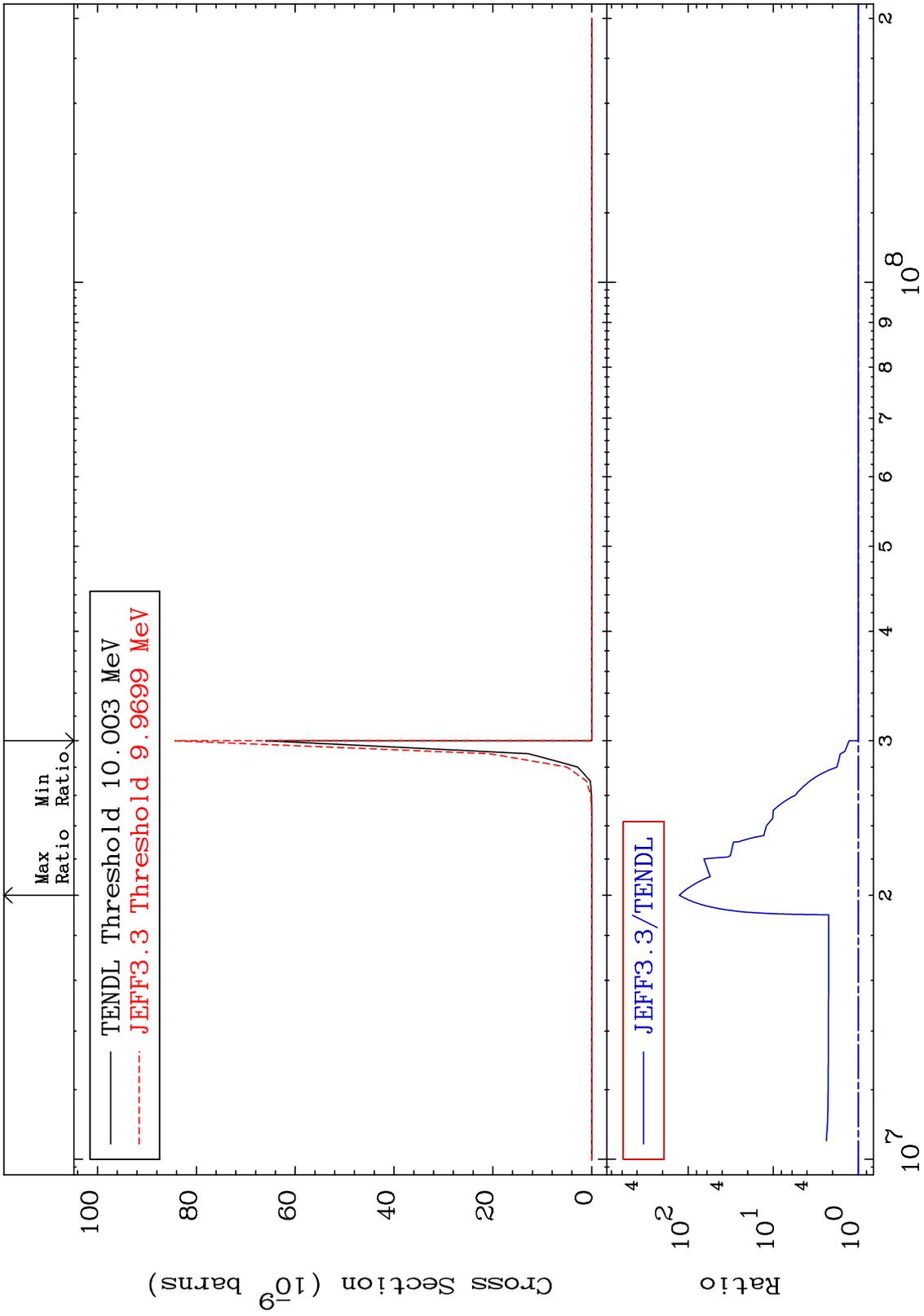
MAT 4125

(n,n') 2α

41-Nb-93

Cross Section

0.000 To 9999. %



11

Incident Energy (eV)

41-Nb-93

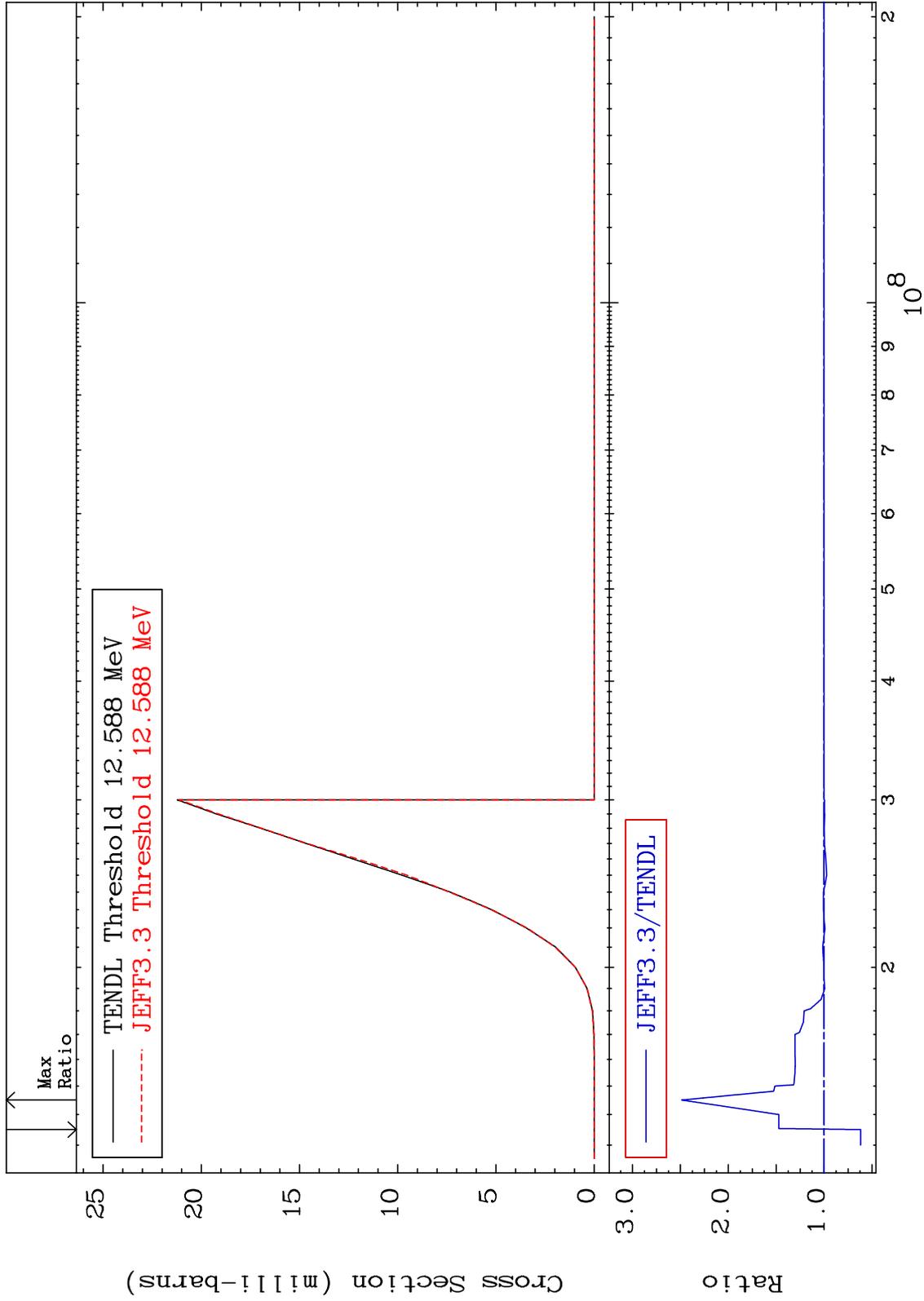
MAT 4125

(n, n') d

41-Nb-93

Cross Section

-38.16 To 148.6 %



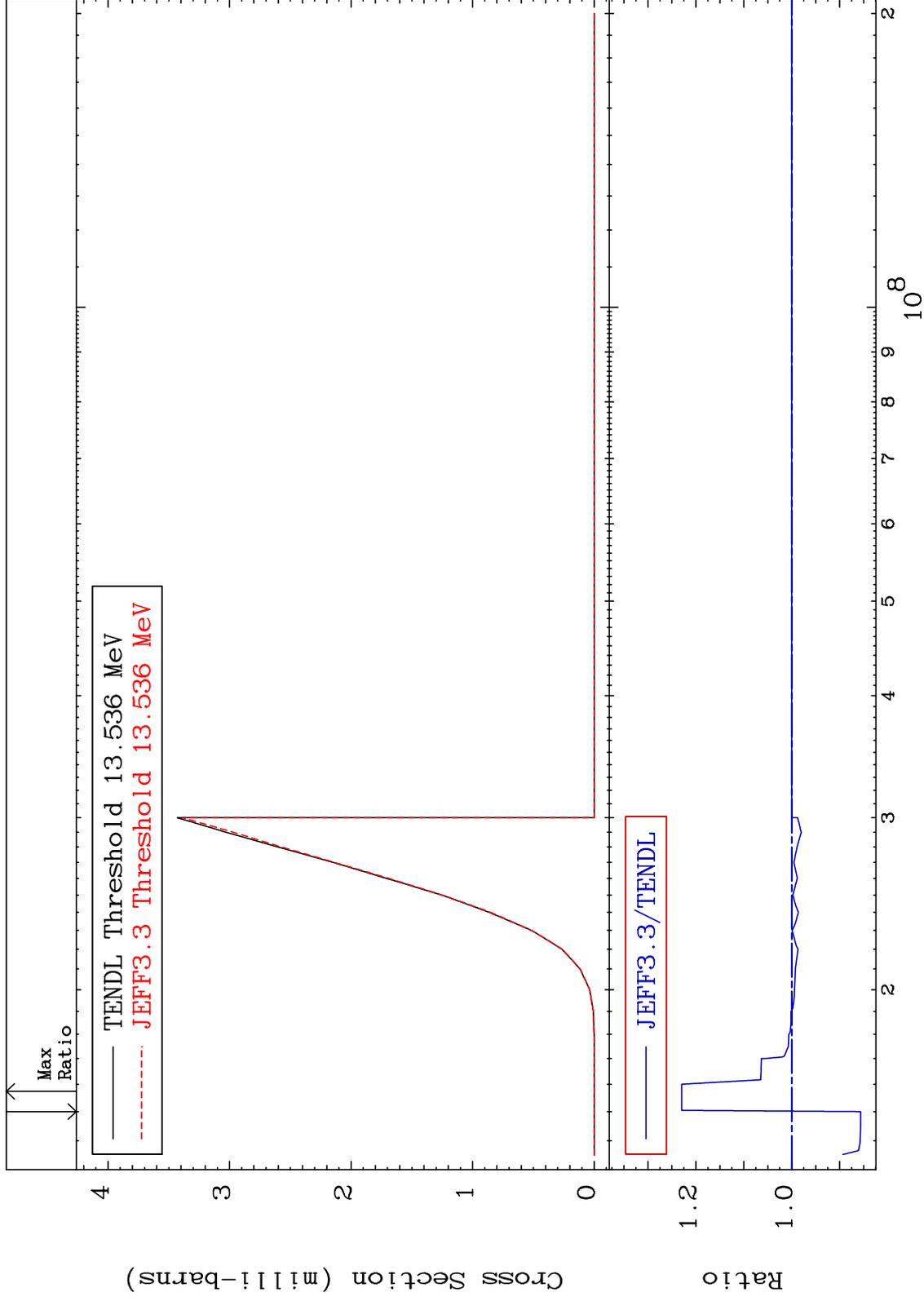
MAT 4125

(n,n') t

41-Nb-93

Cross Section

-14.37 To 22.95 %



13

Incident Energy (eV)

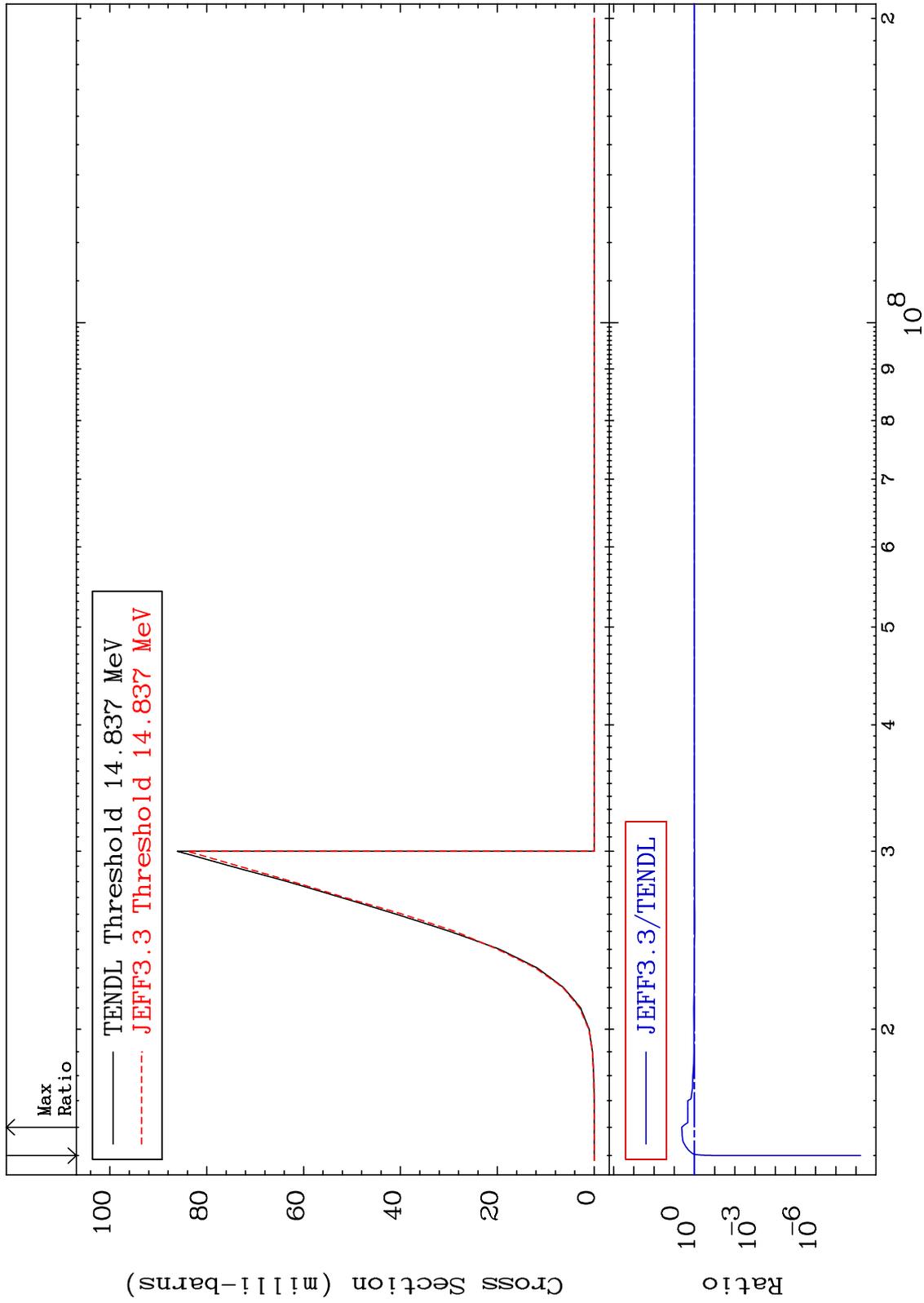
41-Nb-93



MAT 4125

(n,2n) p  
Cross Section

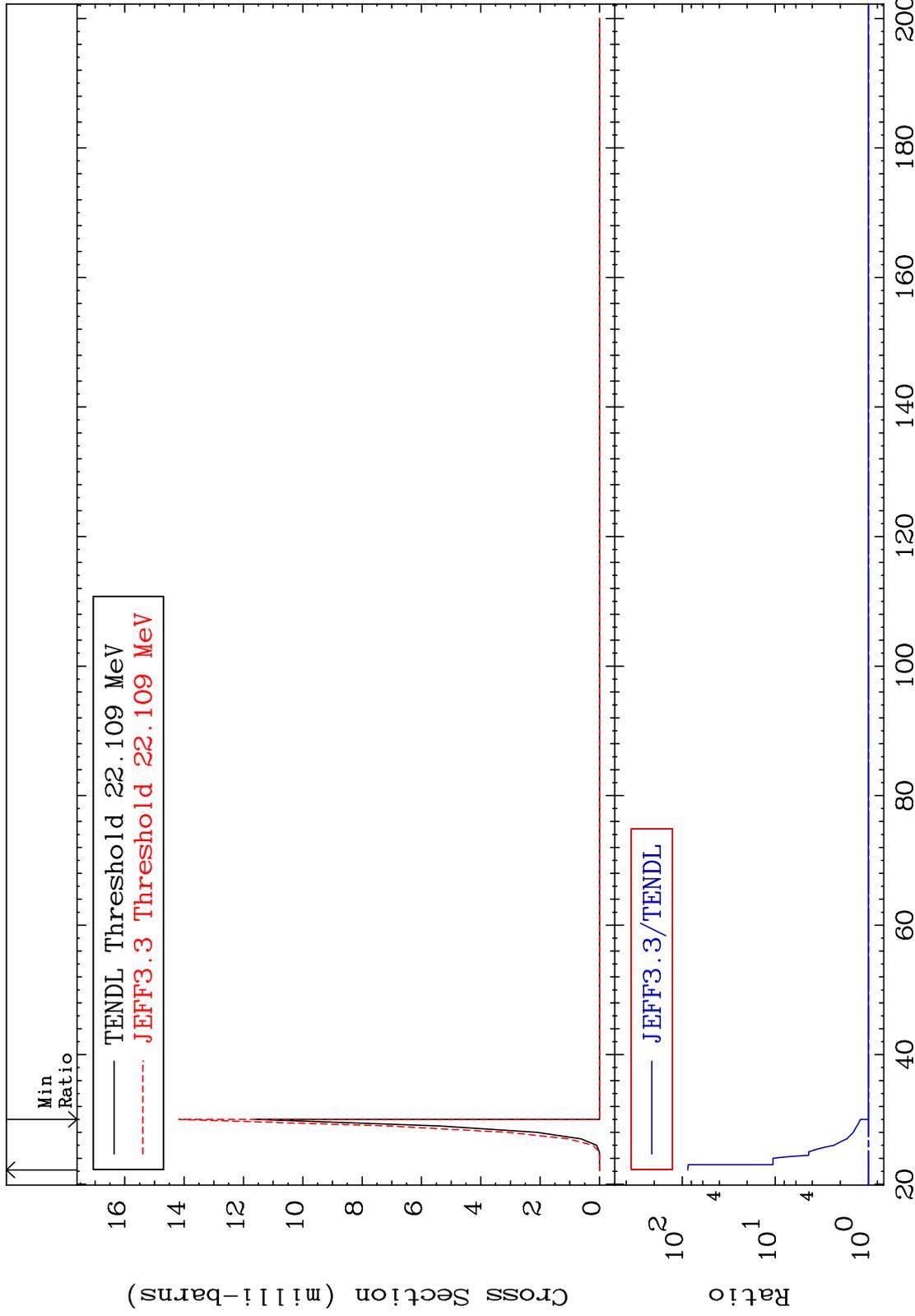
41-Nb-93  
-100.0 To 325.3 %



MAT 4125

(n,3n) p  
Cross Section

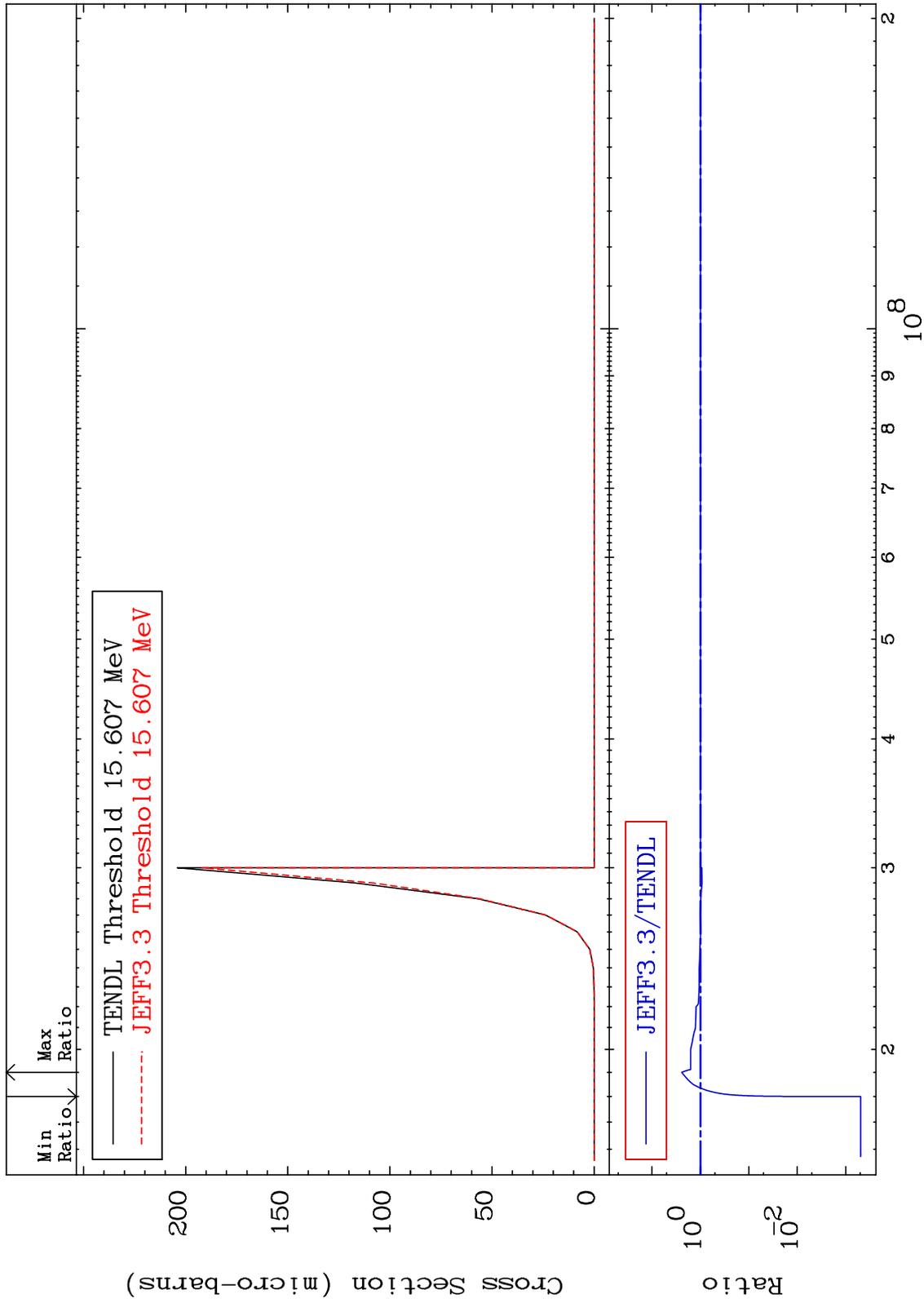
41-Nb-93  
0.000 To 8595. %



MAT 4125

(n,2n) p  
Cross Section

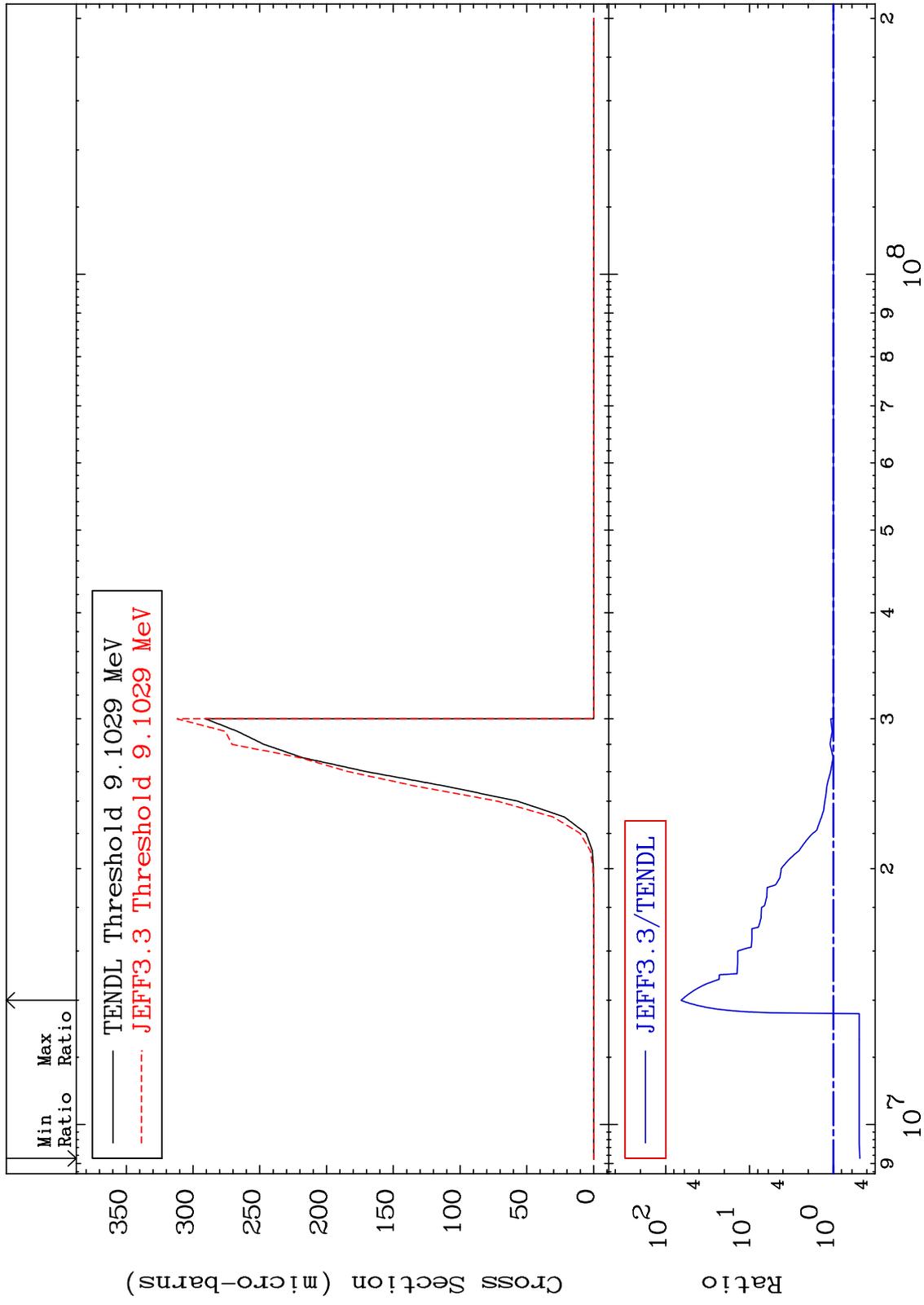
41-Nb-93  
-99.95 To 142.9 %



MAT 4125

(n,n') p  $\alpha$   
Cross Section

41-Nb-93  
-51.68 To 6449. %

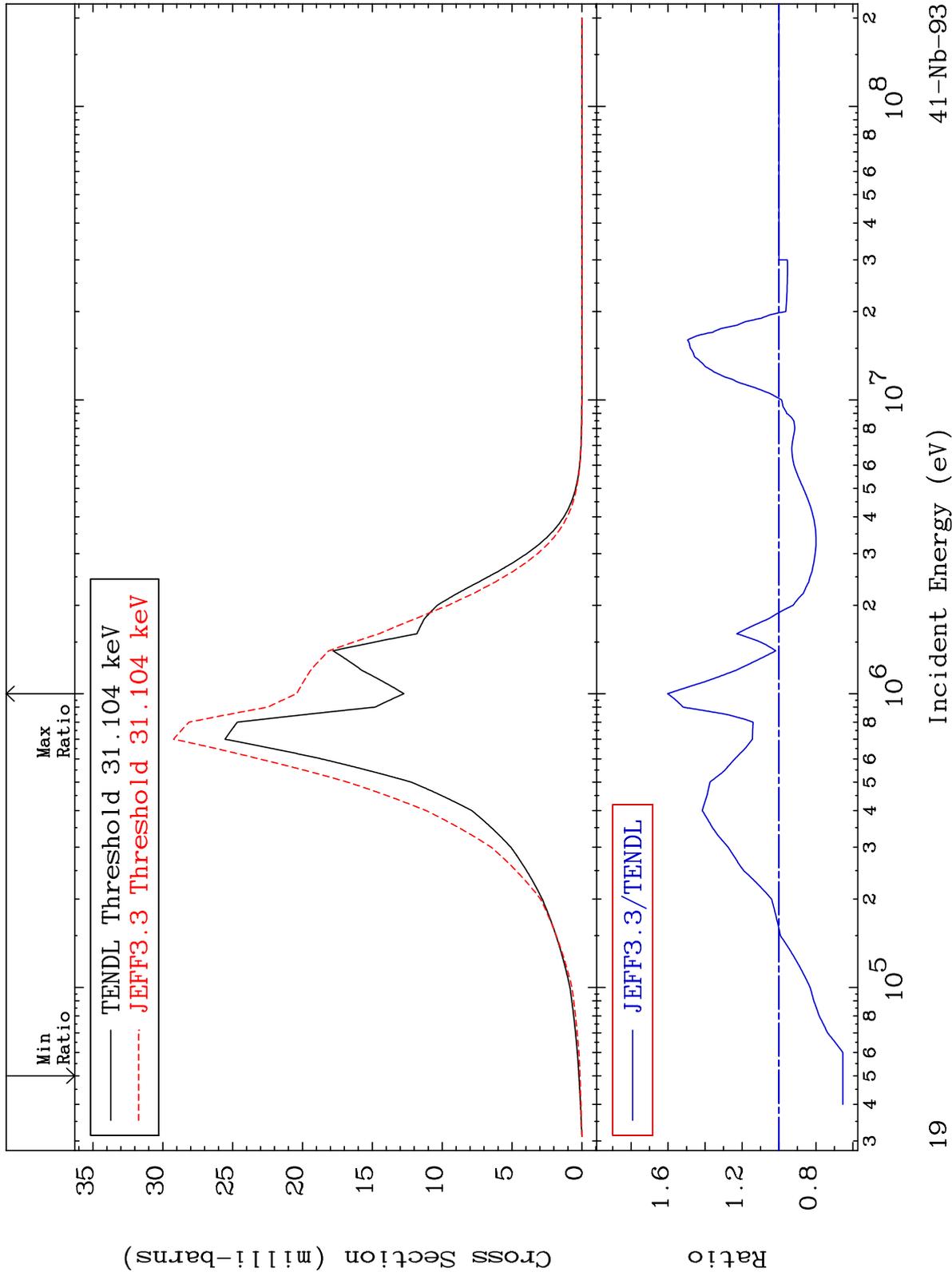


18

Incident Energy (eV)

41-Nb-93

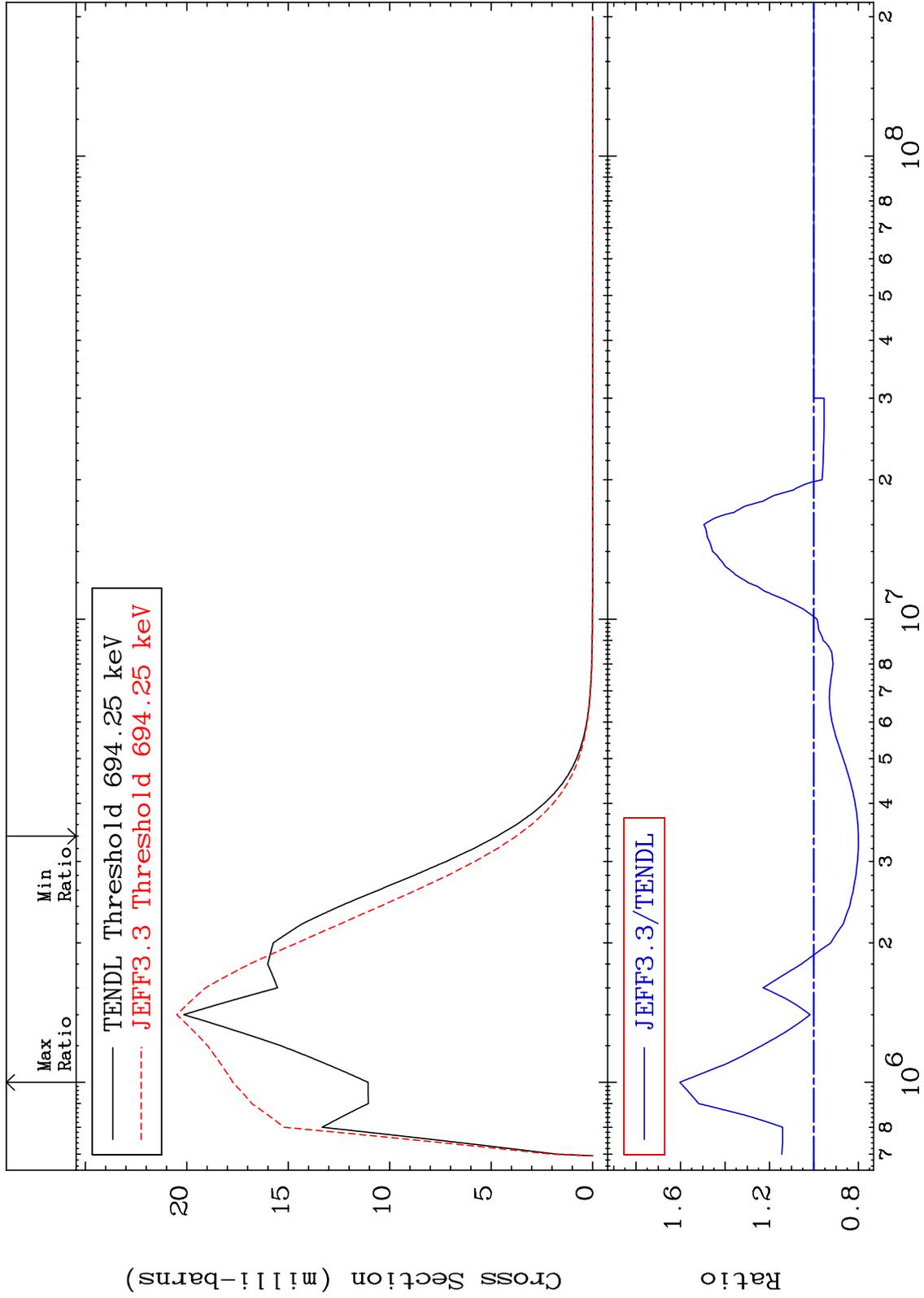
MAT 4125 MT= 51 (n,n') Level Cross Section -34.54 To 60.25 % 41-Nb-93



MAT 4125

MT= 52 (n,n') Level  
Cross Section

41-Nb-93  
-20.01 To 60.27 %

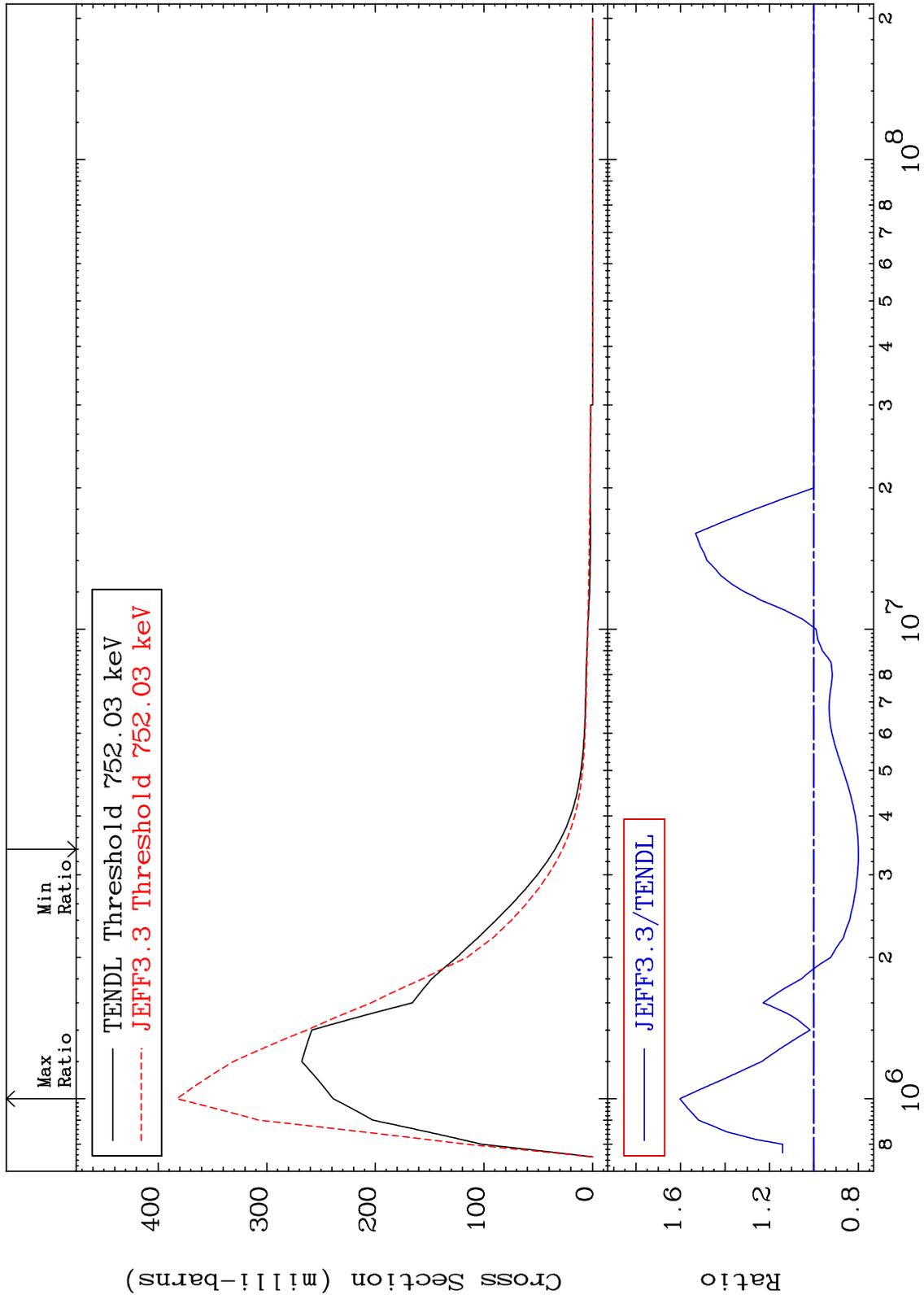


20

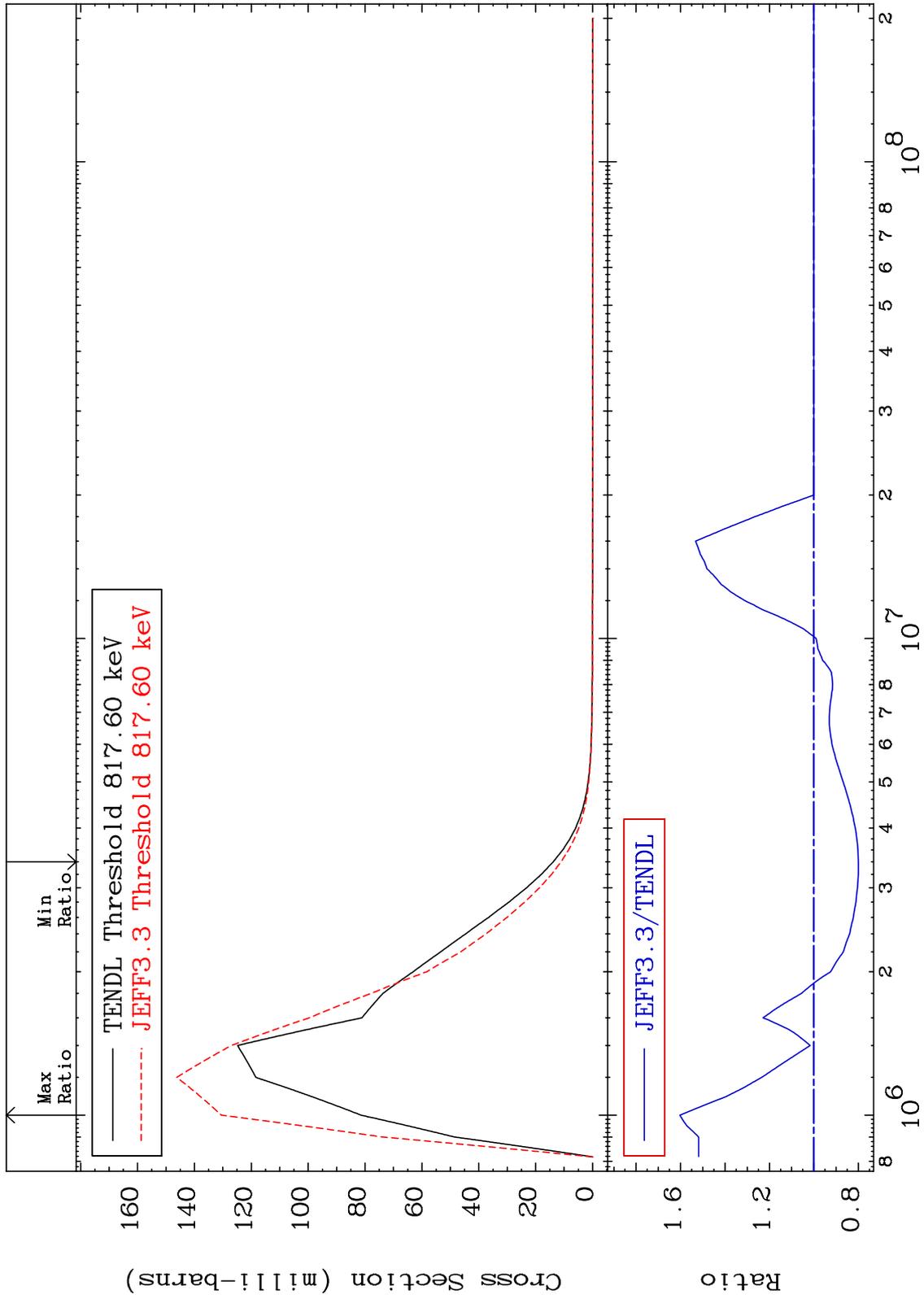
Incident Energy (eV)

41-Nb-93

MAT 4125      MT= 53 (n,n') Level      41-Nb-93  
 Cross Section      -20.01 To 60.27 %



MAT 4125 MT= 54 (n,n') Level Cross Section -20.01 To 60.28 % 41-Nb-93

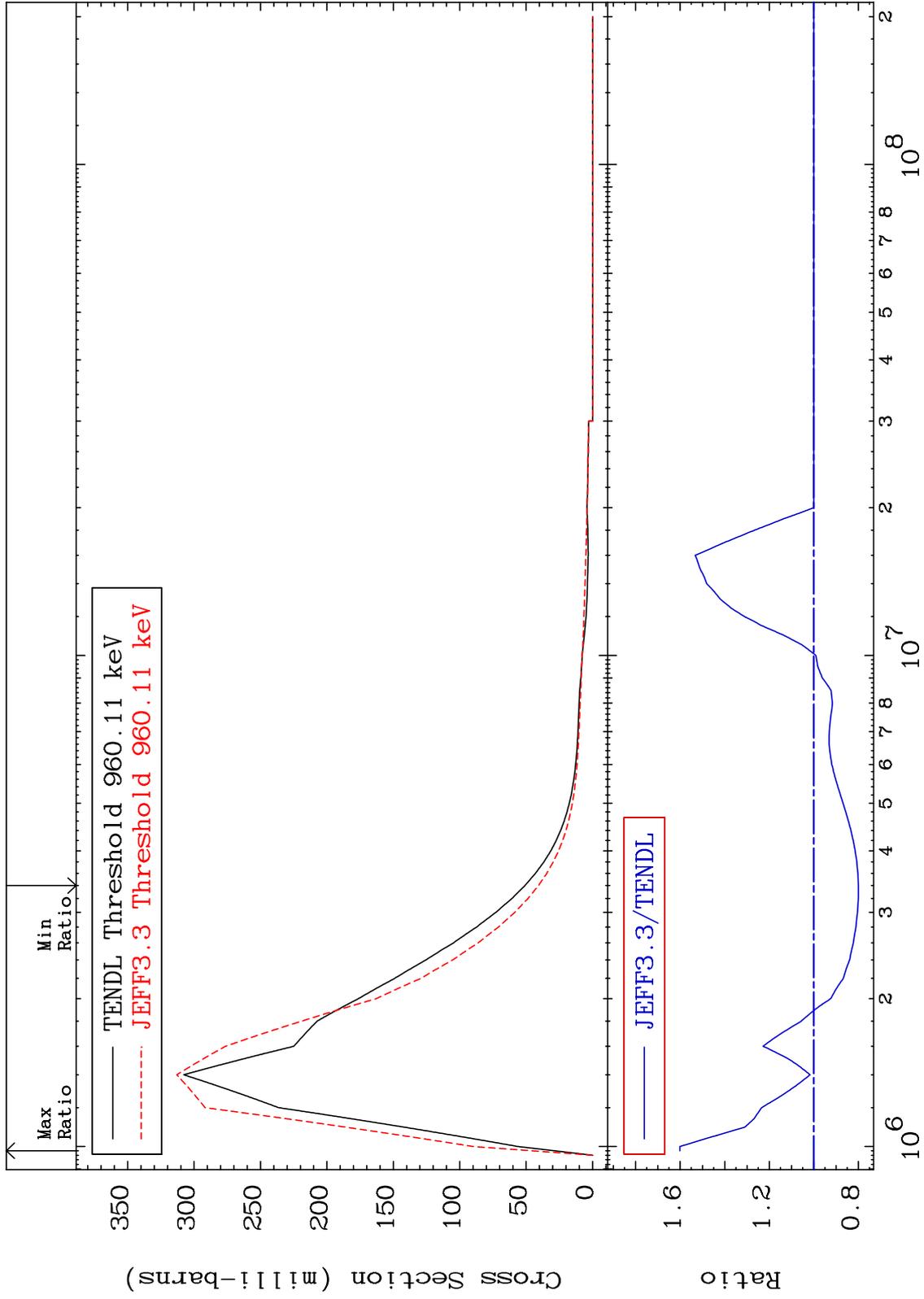




MAT 4125

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

41-Nb-93  
-20.01 To 60.11 %

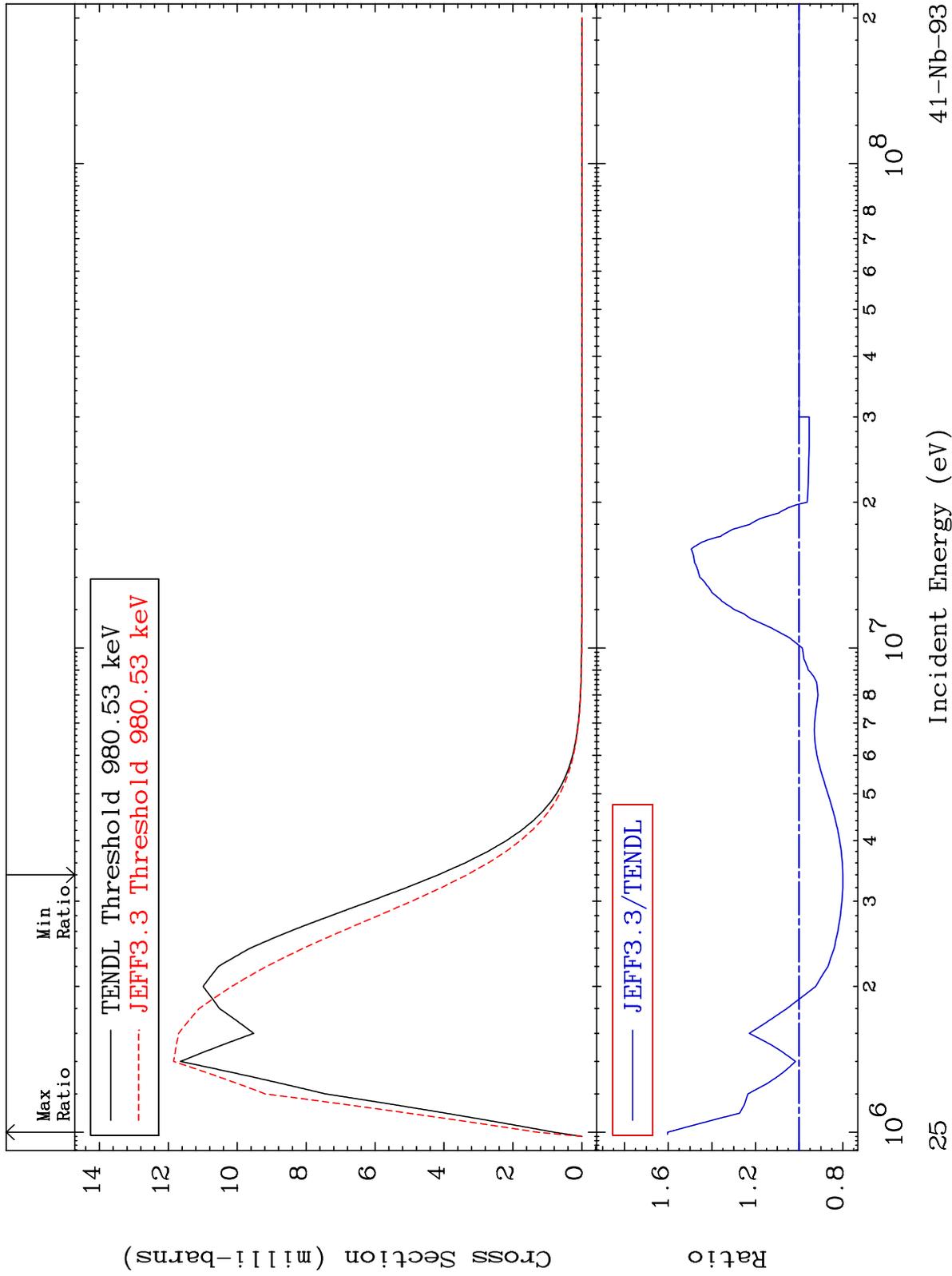


24

Incident Energy (eV)

41-Nb-93

MAT 4125 MT= 57 (n, n') Level  
Cross Section 41-Nb-93  
-20.01 To 60.27 %

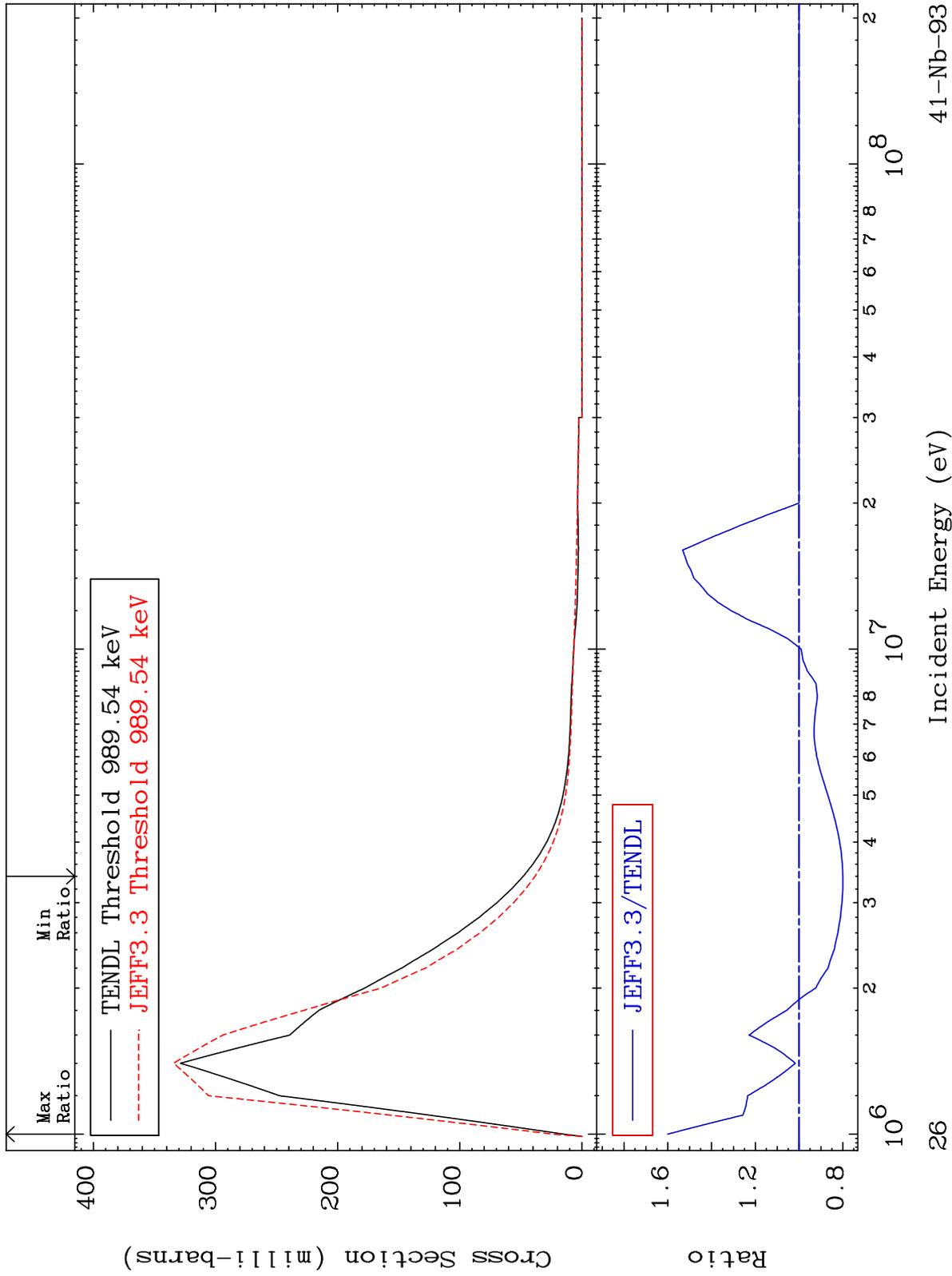


41-Nb-93

Incident Energy (eV)

25

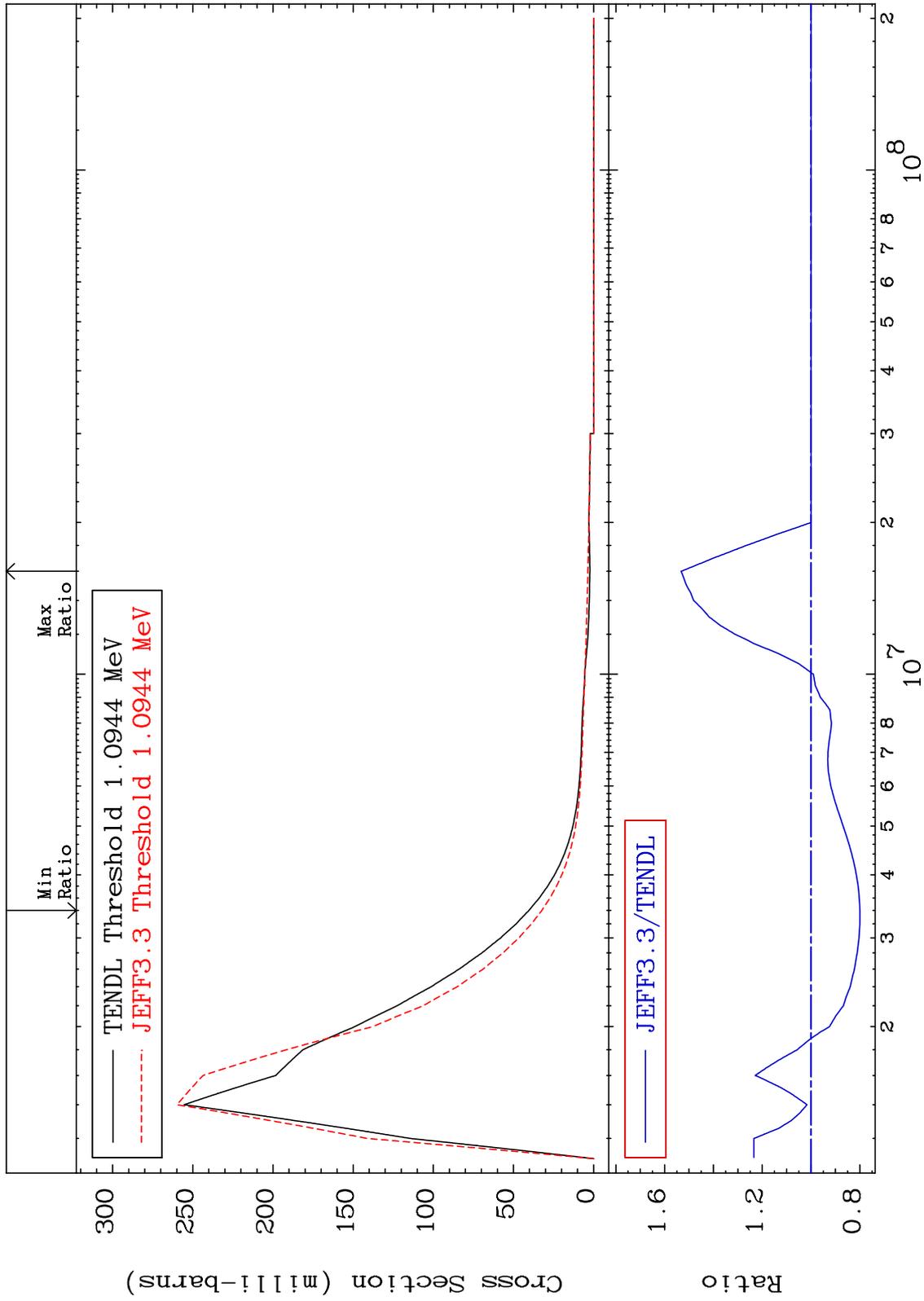
MAT 4125 MT= 58 (n,n') Level Cross Section -20.01 To 60.09 % 41-Nb-93



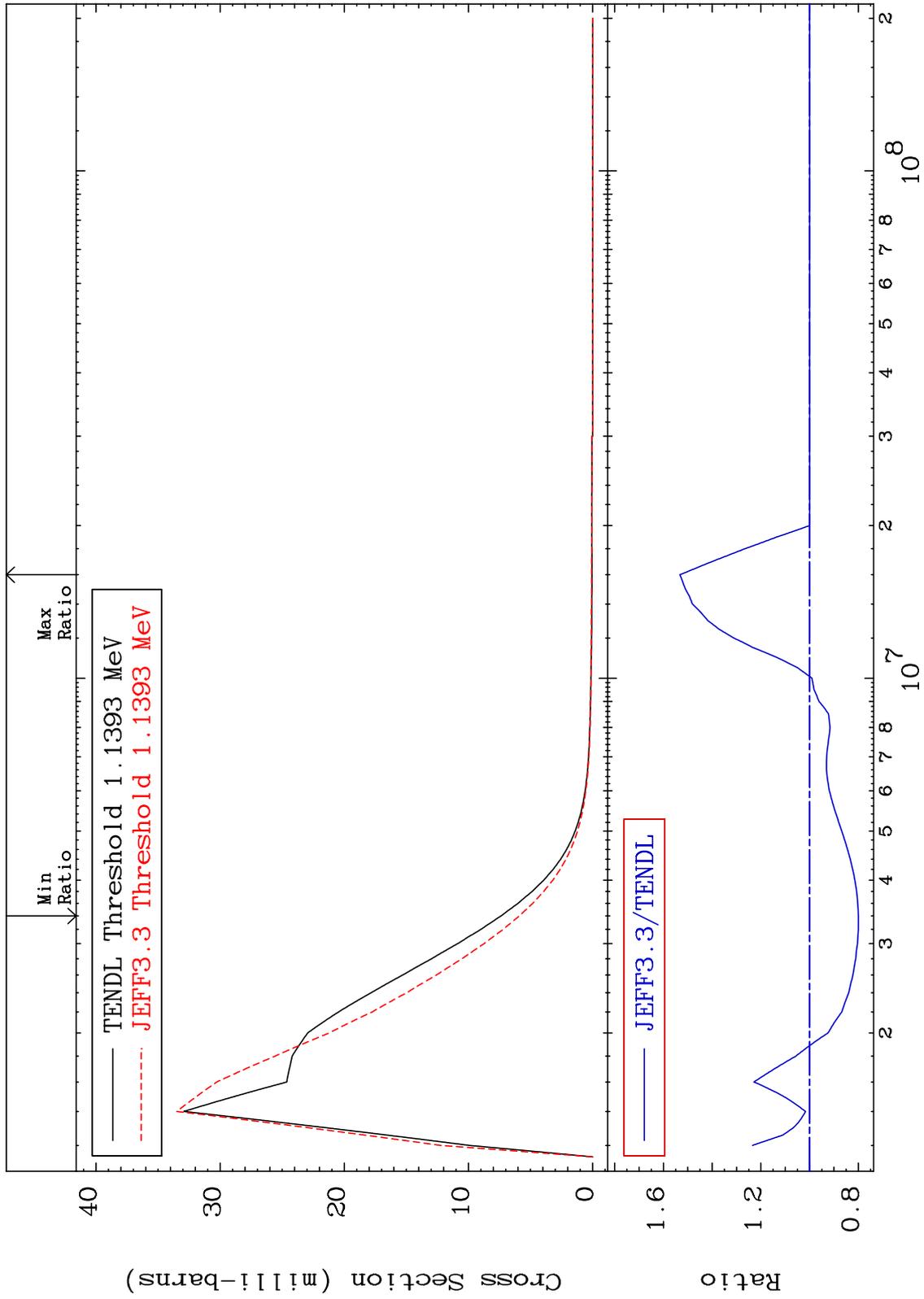
MAT 4125

MT= 59 (n, n') Level  
Cross Section

41-Nb-93  
-20.01 To 53.24 %



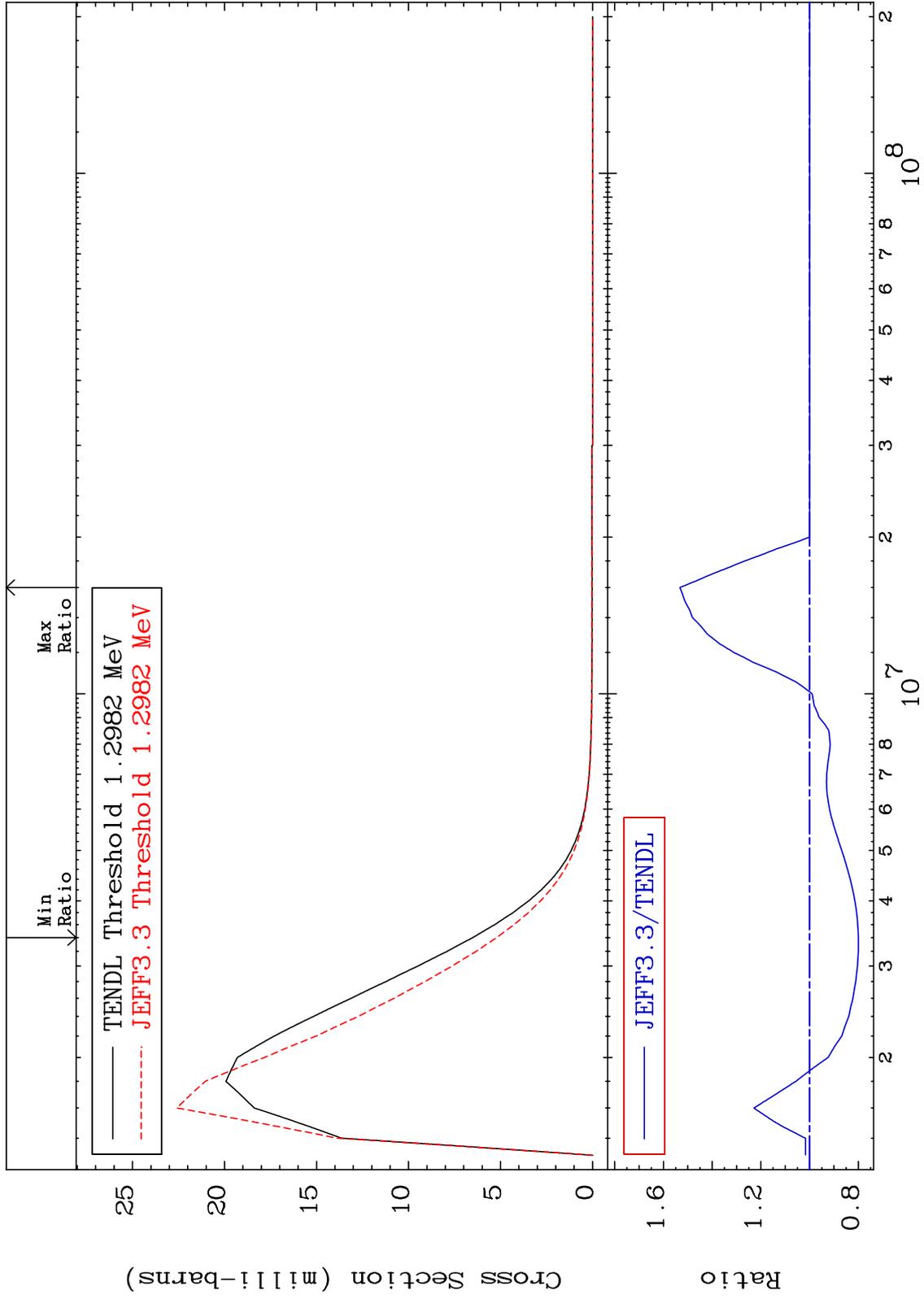
MAT 4125 MT= 60 (n,n') Level Cross Section -20.01 To 53.24 % 41-Nb-93



MAT 4125

MT= 61 (n,n') Level  
Cross Section

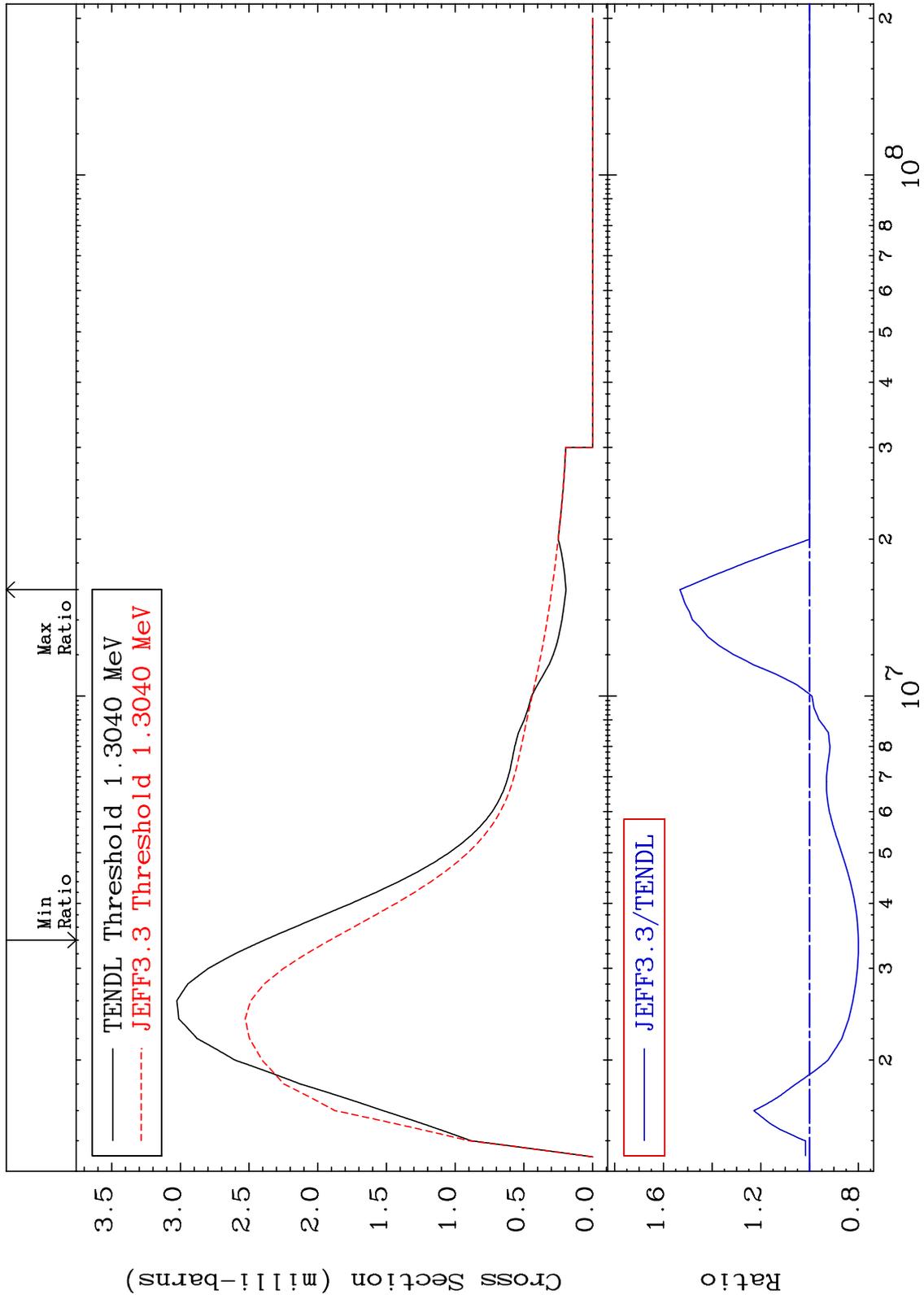
41-Nb-93  
-20.01 To 53.23 %



MAT 4125

MT= 62 (n,n') Level  
Cross Section

41-Nb-93  
-20.01 To 53.24 %

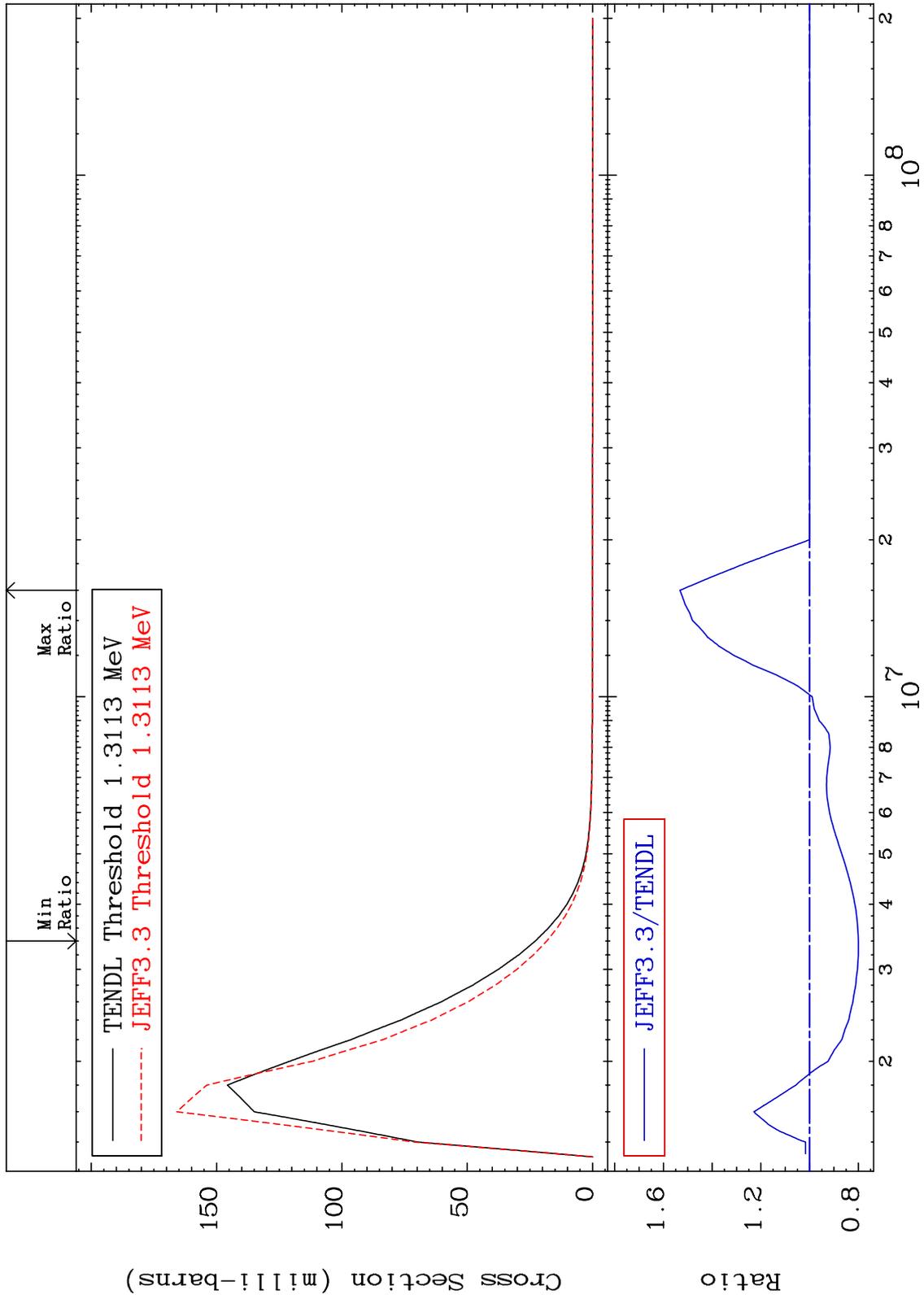


30

Incident Energy (eV)

41-Nb-93

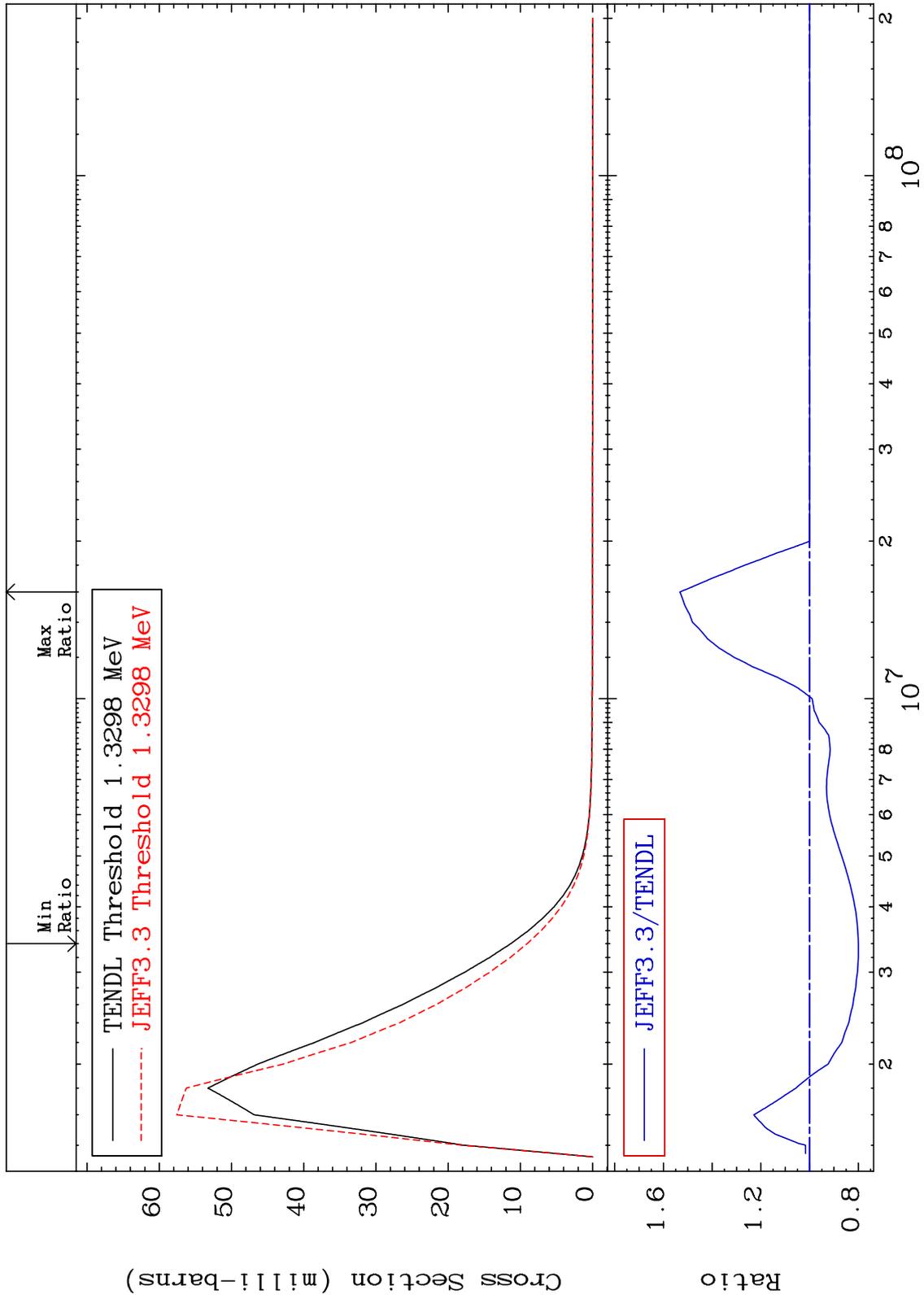
MAT 4125 MT= 63 (n, n') Level Cross Section -20.02 To 53.23 % 41-Nb-93



MAT 4125

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

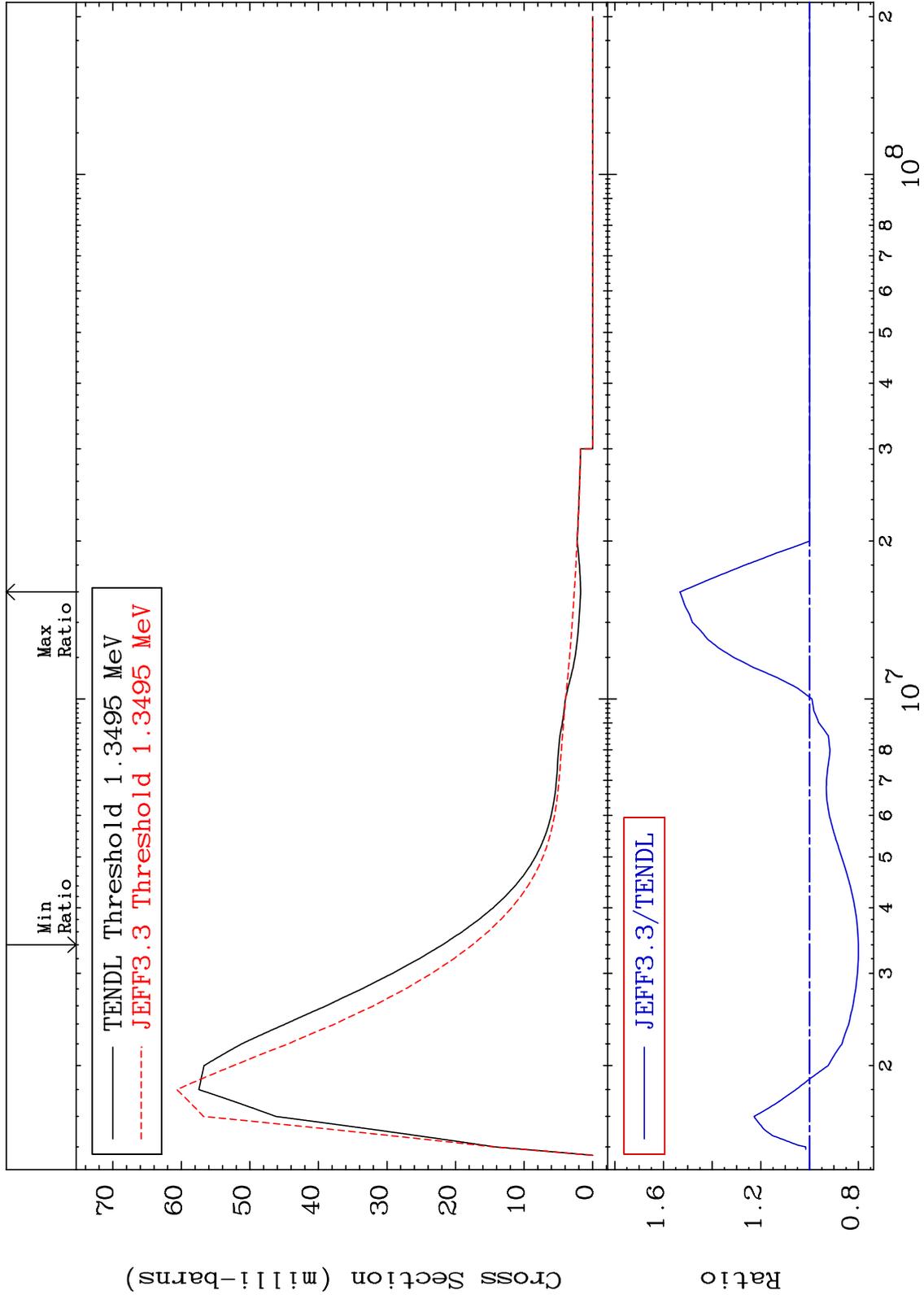
41-Nb-93  
-20.01 To 53.23 %



MAT 4125

MT= 65 (n,n') Level  
Cross Section

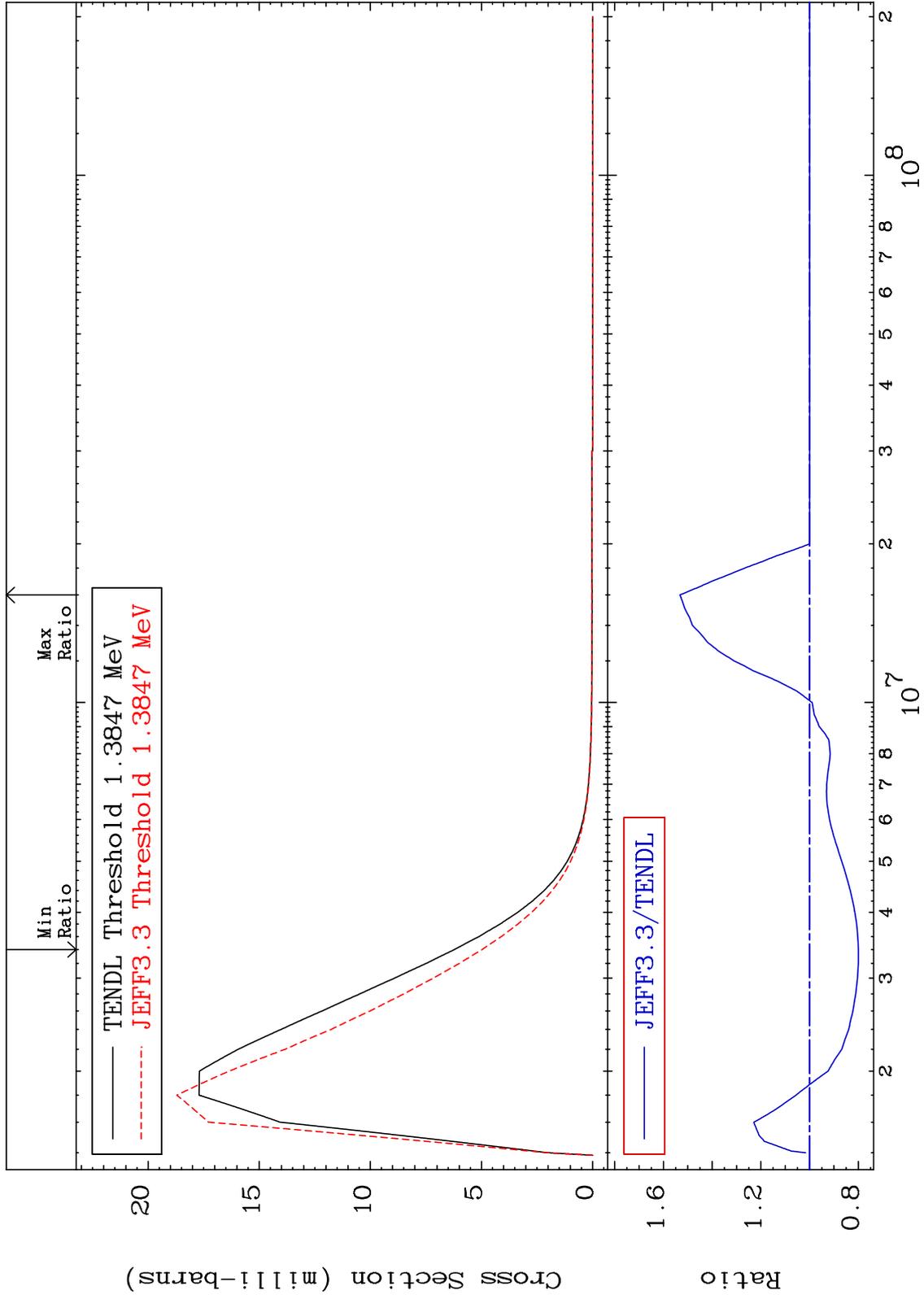
41-Nb-93  
-20.02 To 53.24 %



MAT 4125

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

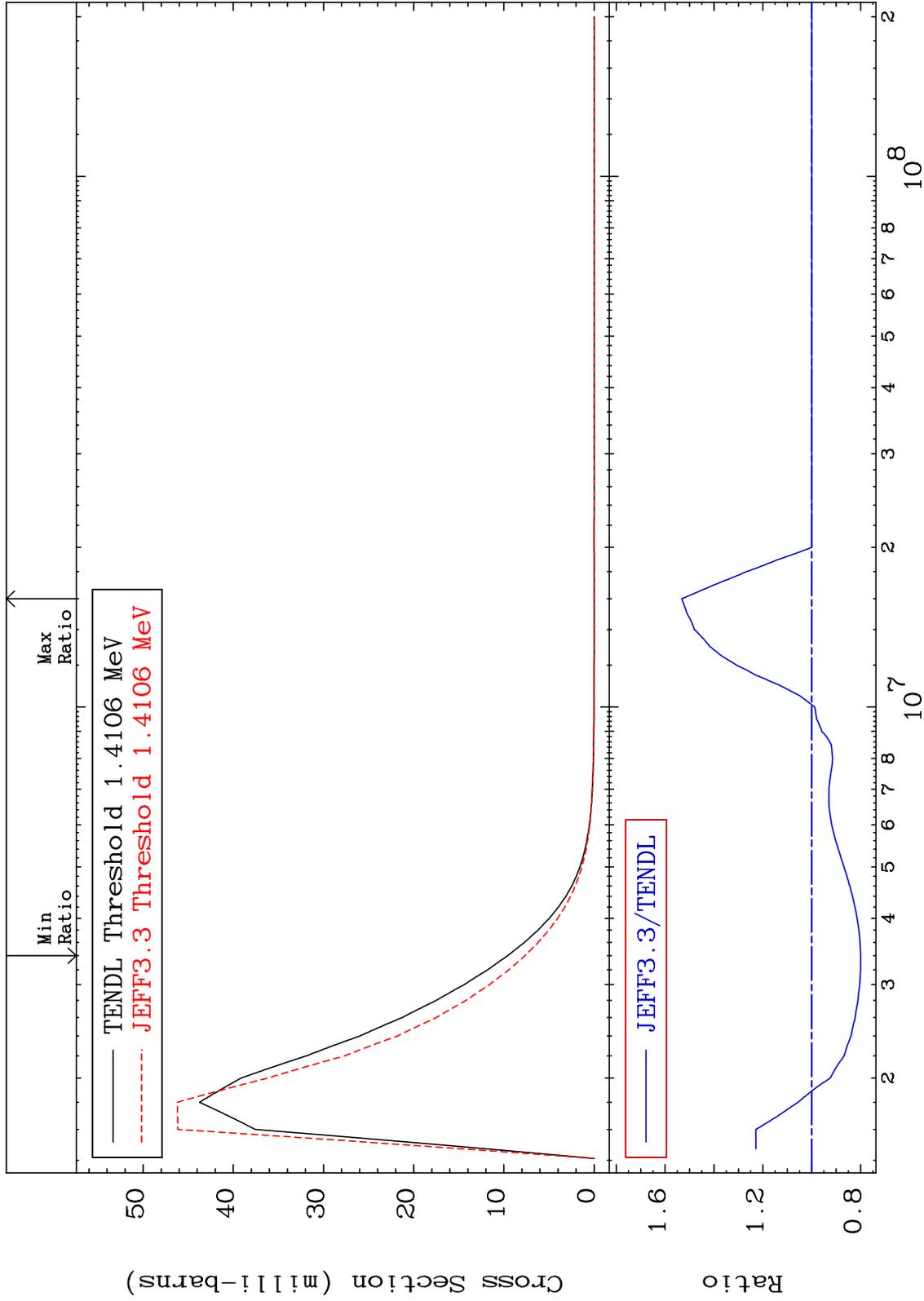
41-Nb-93  
-20.01 To 53.23 %



MAT 4125

MT= 67 (n,n') Level  
Cross Section

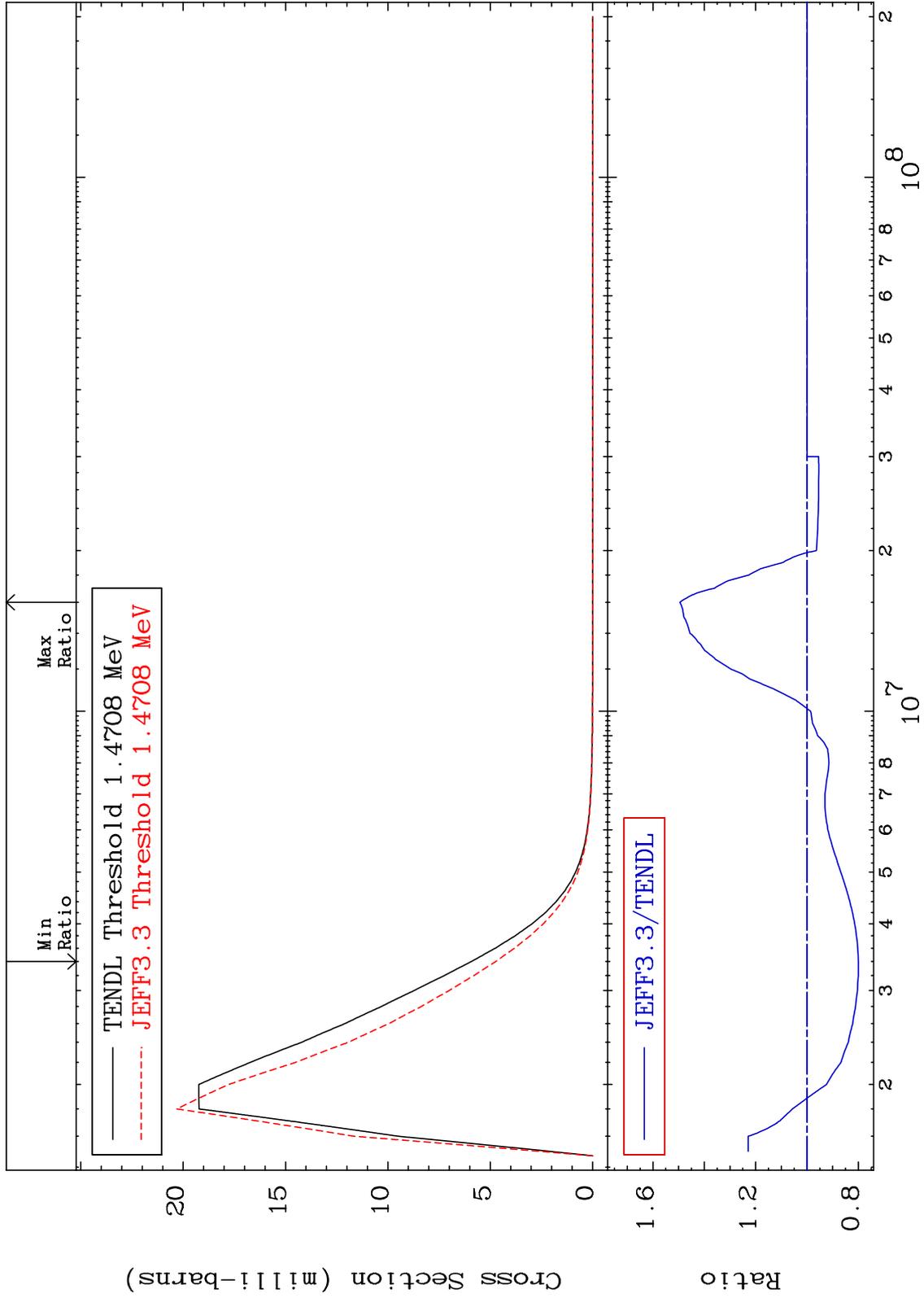
41-Nb-93  
-20.01 To 53.21 %



MAT 4125

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

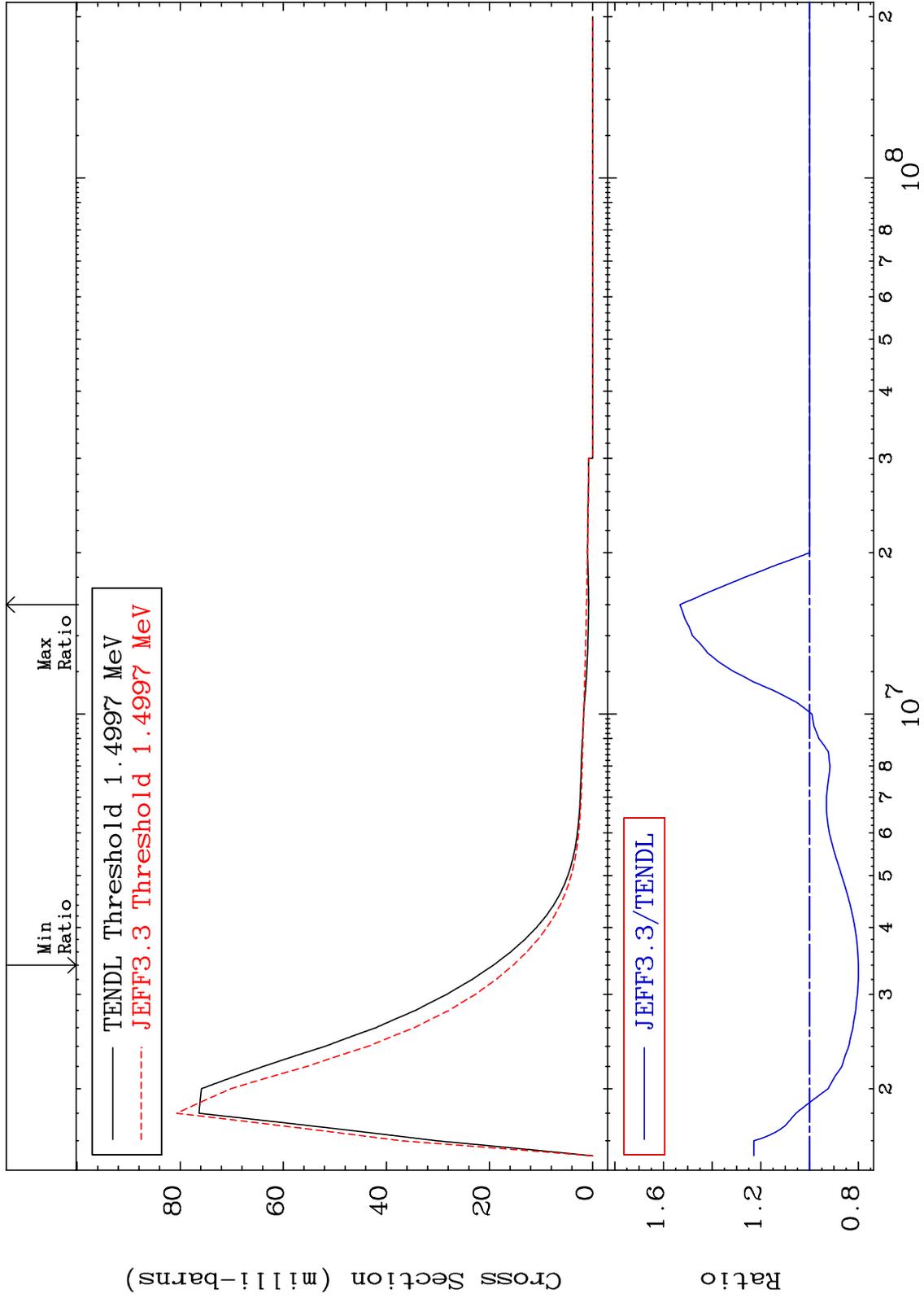
41-Nb-93  
-20.01 To 49.48 %



MAT 4125

MT= 69 (n,n') Level  
Cross Section

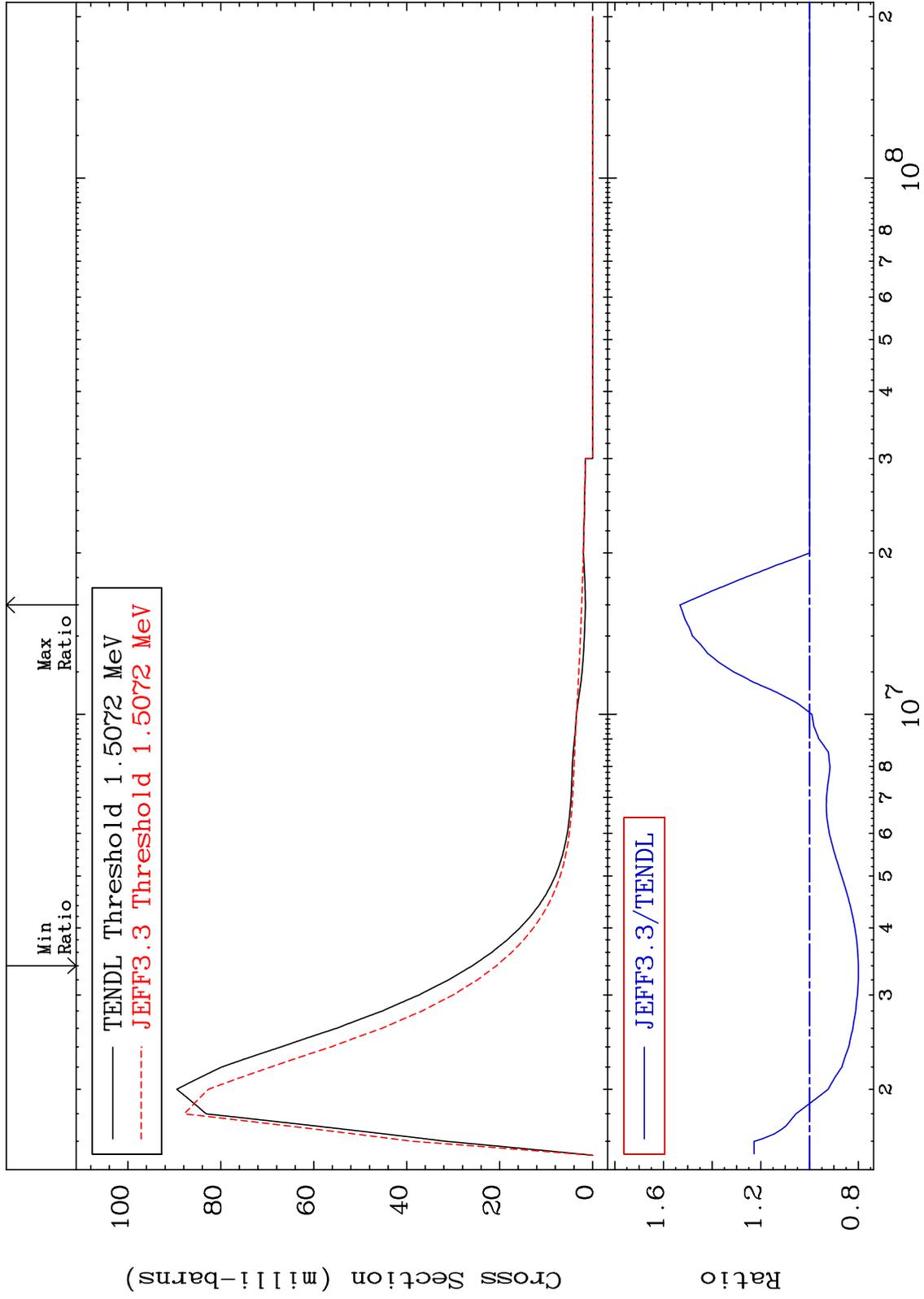
41-Nb-93  
-20.01 To 53.24 %

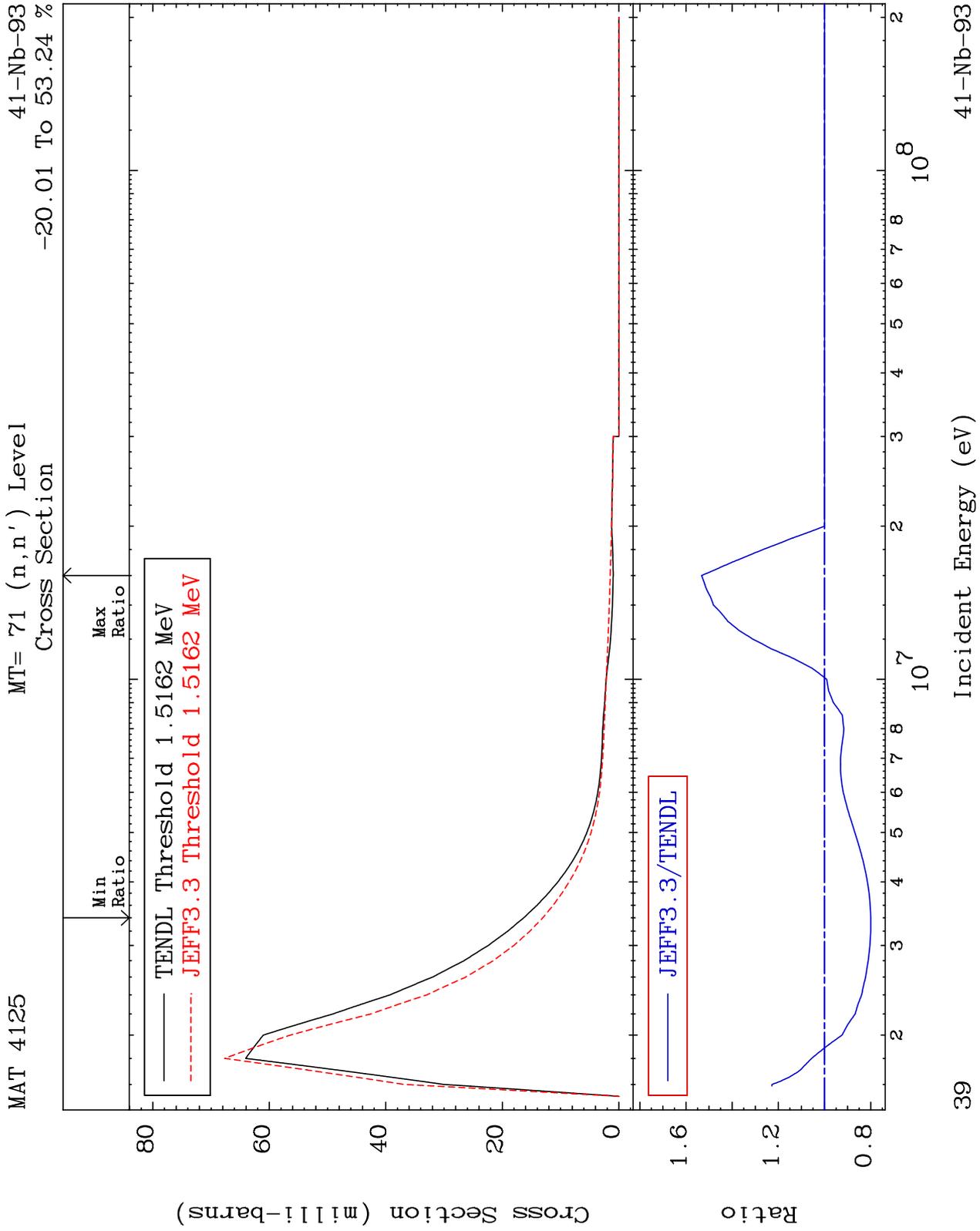


MAT 4125

MT= 70 (n,n') Level  
Cross Section

41-Nb-93  
-20.02 To 53.24 %

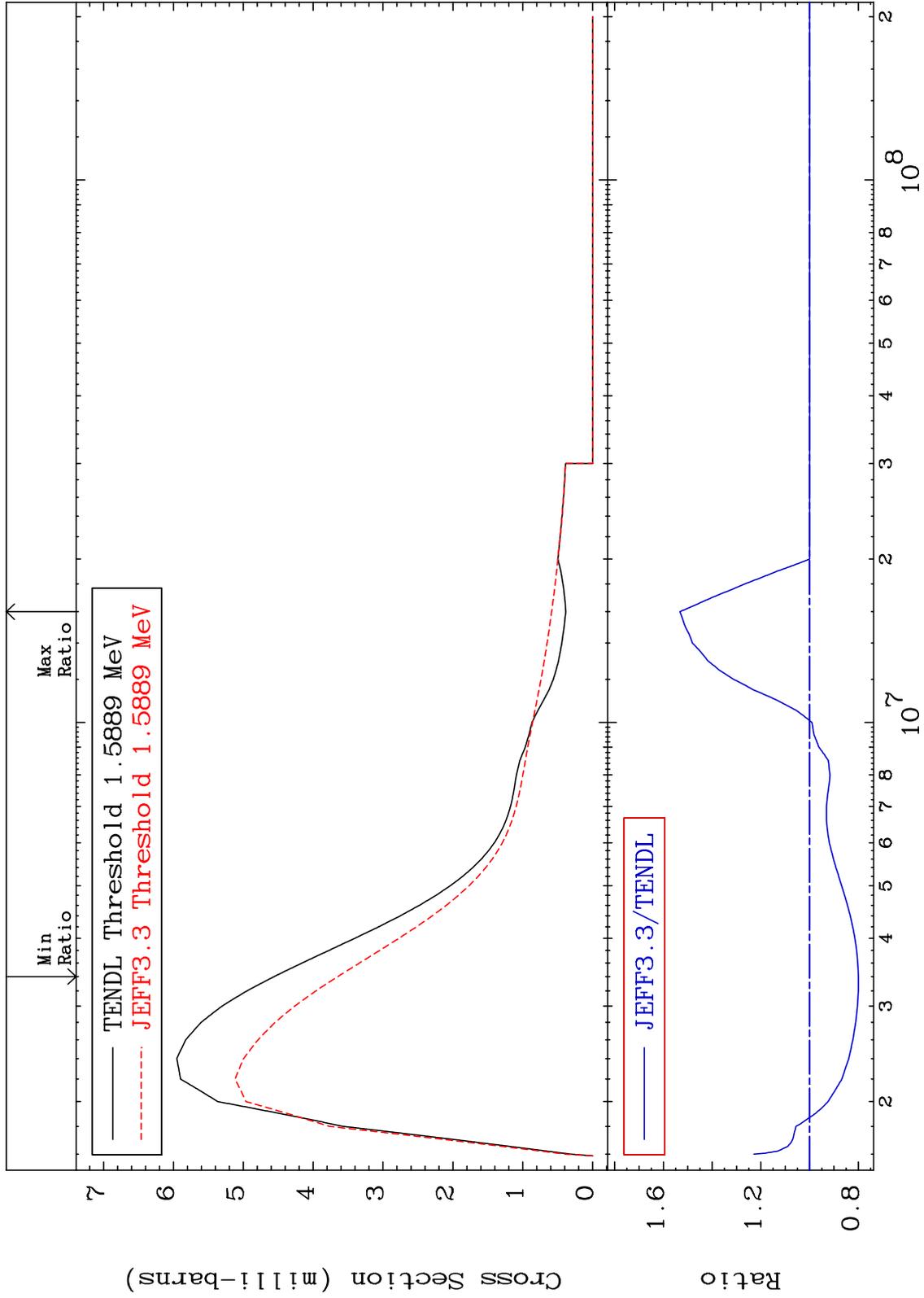




MAT 4125

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

41-Nb-93  
-20.01 To 53.24 %



40

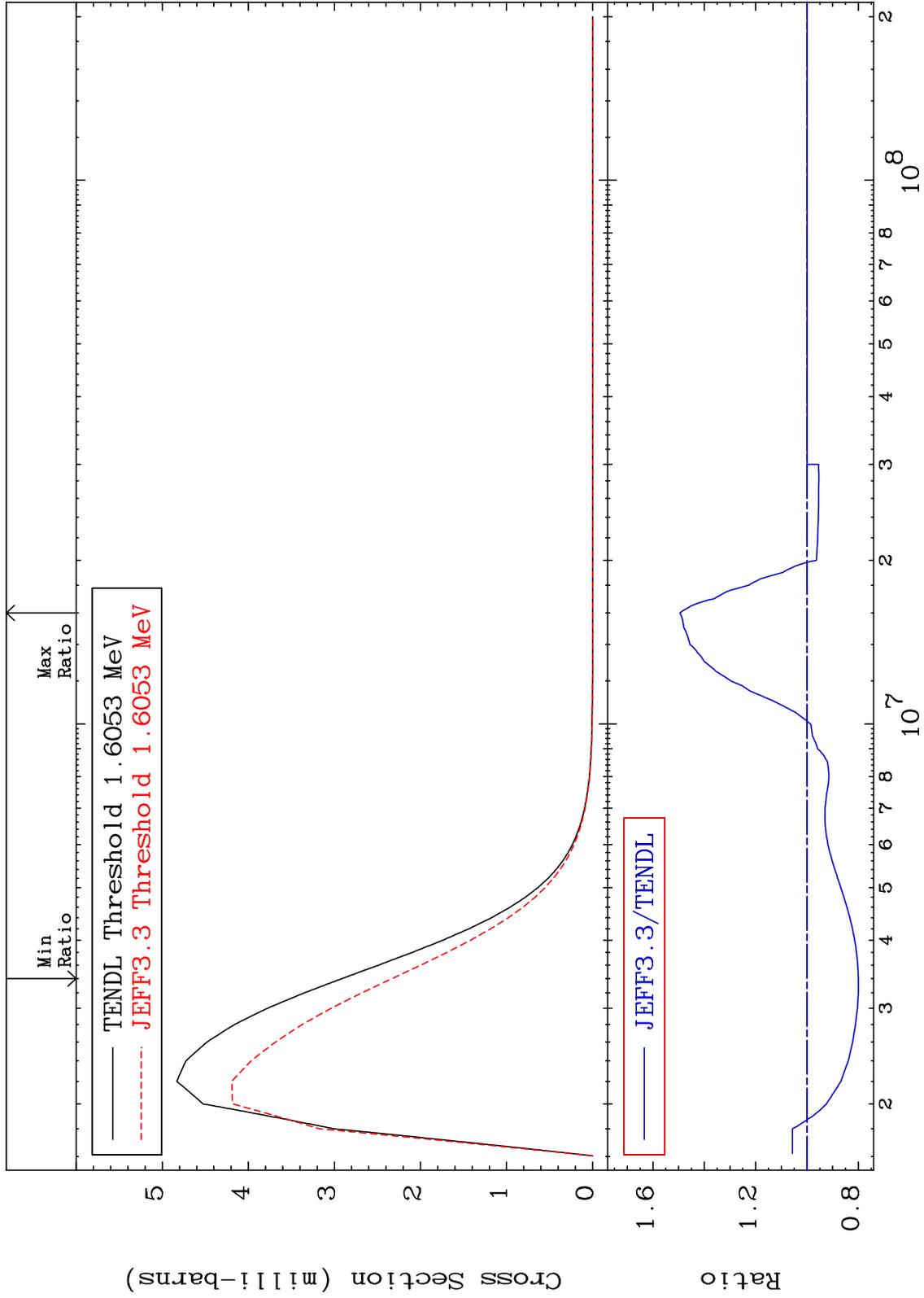
Incident Energy (eV)

41-Nb-93

MAT 4125

MT= 73 (n,n') Level  
Cross Section

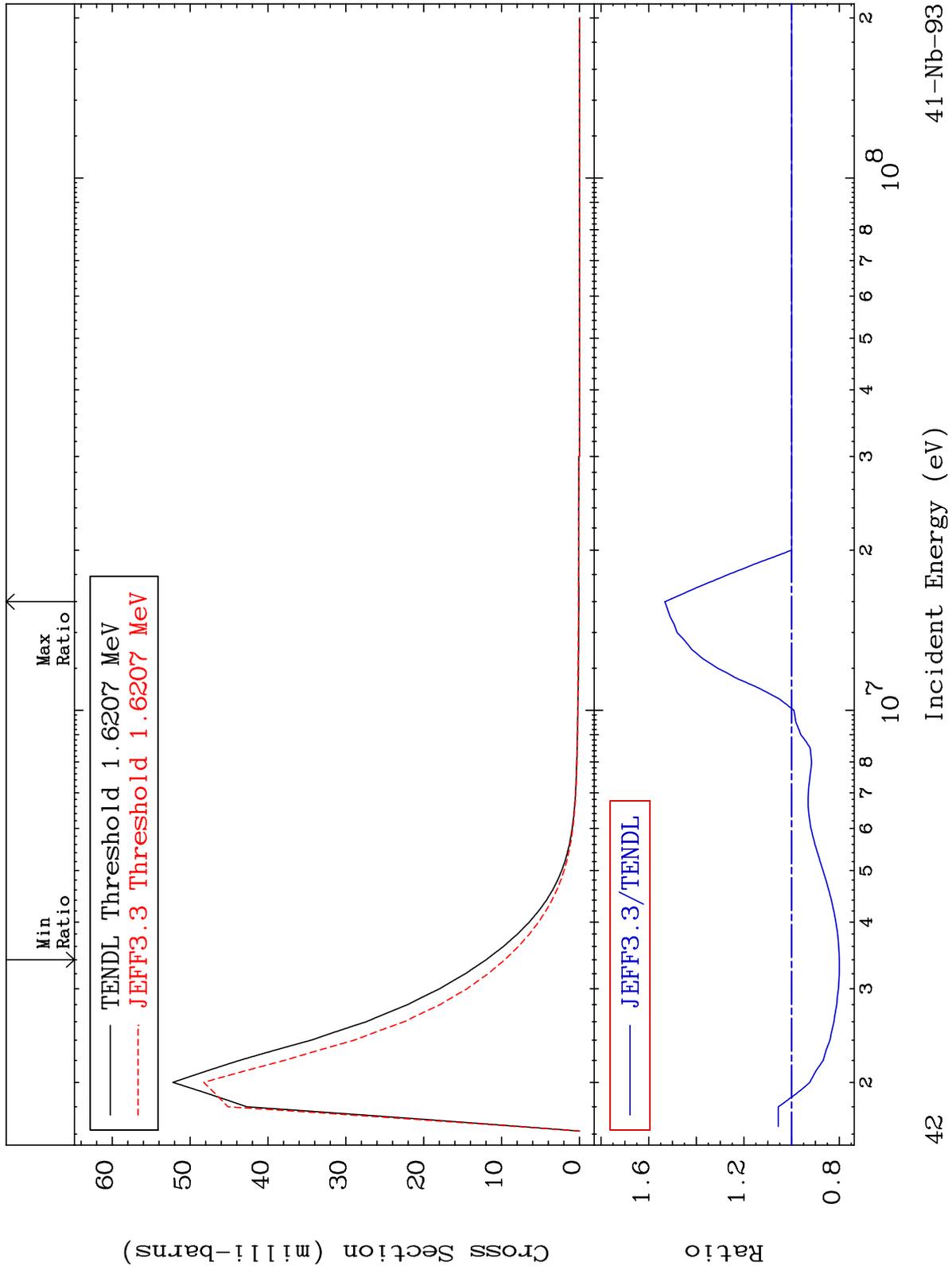
41-Nb-93  
-20.01 To 49.48 %



41

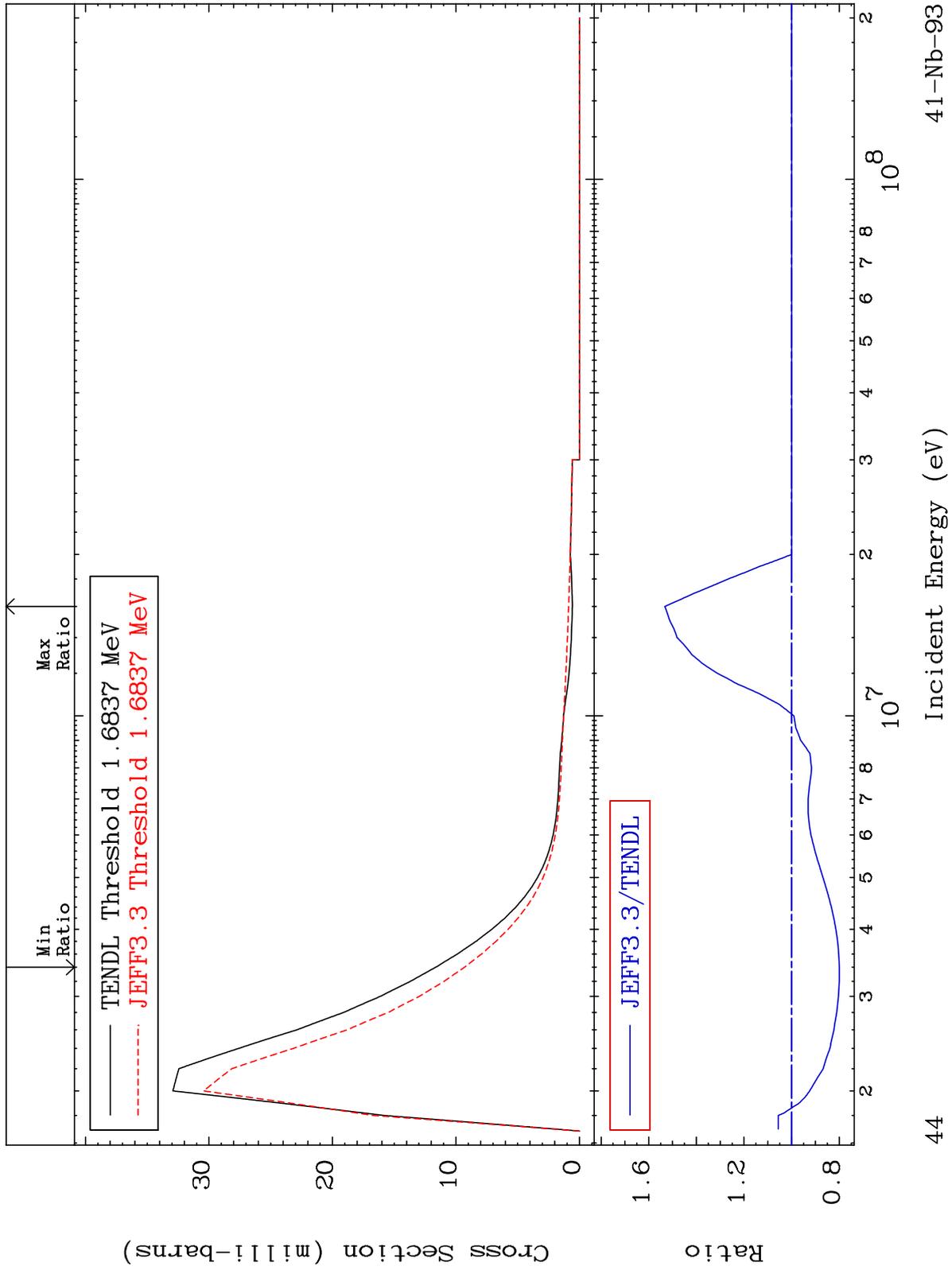
41-Nb-93

MAT 4125 MT= 74 (n,n') Level Cross Section -20.02 To 53.24 % 41-Nb-93





MAT 4125 MT= 76 (n,n') Level Cross Section -20.01 To 53.24 % 41-Nb-93

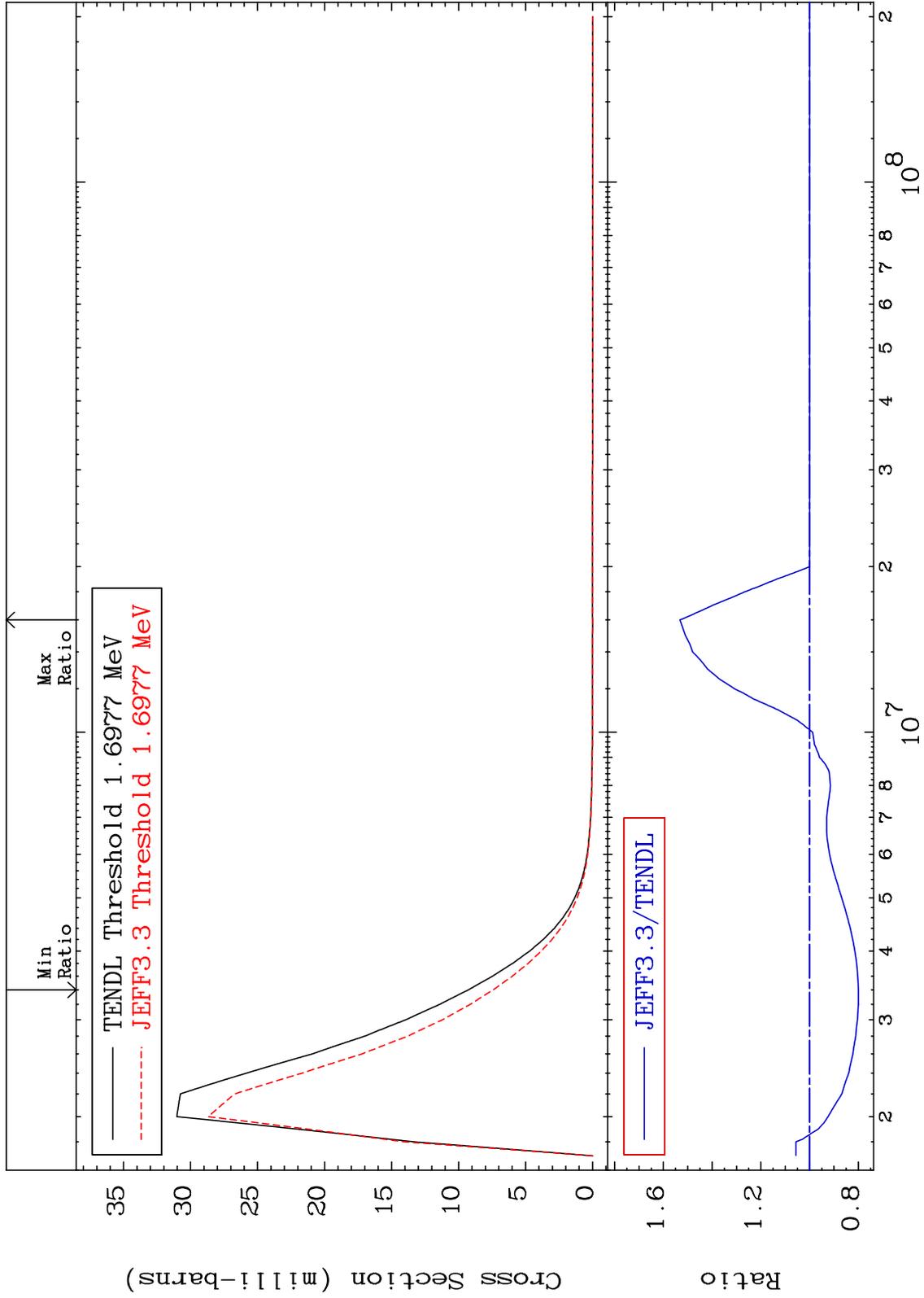


41-Nb-93

MAT 4125

MT= 77 (n,n') Level  
Cross Section

41-Nb-93  
-20.01 To 53.21 %



45

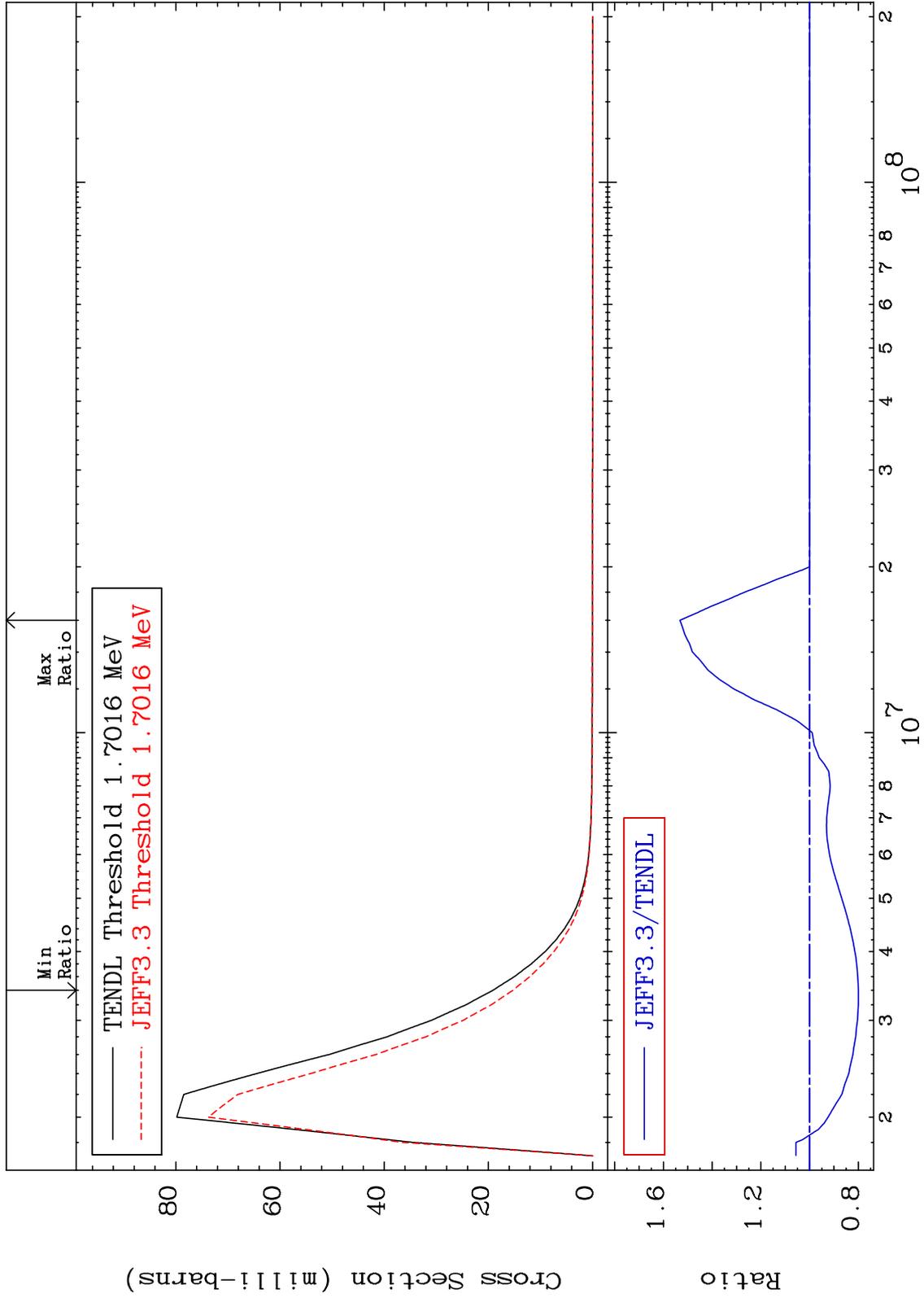
Incident Energy (eV)

41-Nb-93

MAT 4125

MT= 78 (n,n') Level  
Cross Section

41-Nb-93  
-20.02 To 53.23 %



46

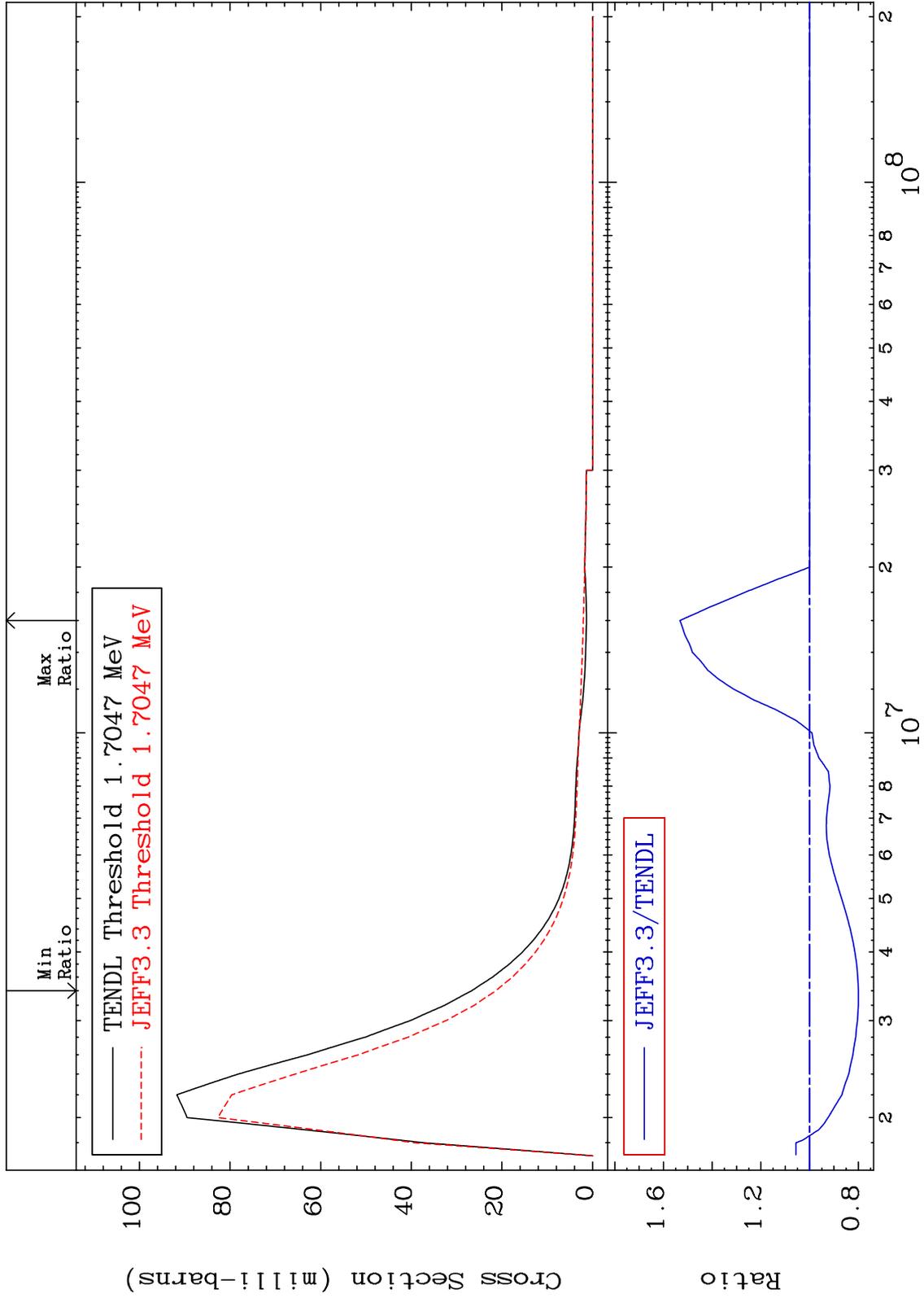
Incident Energy (eV)

41-Nb-93

MAT 4125

MT= 79 (n,n') Level  
Cross Section

41-Nb-93  
-20.02 To 53.24 %



47

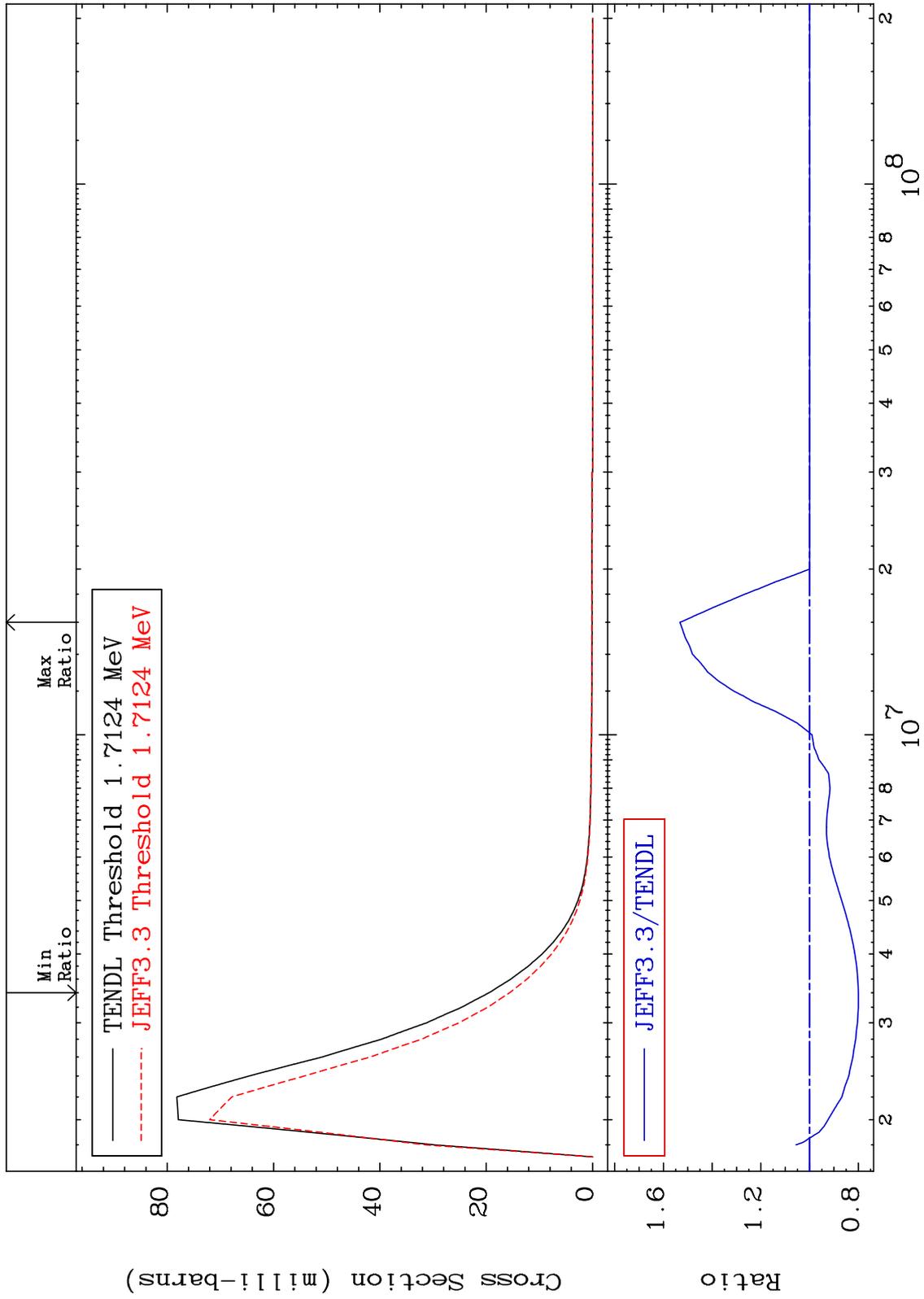
Incident Energy (eV)

41-Nb-93

MAT 4125

MT= 80 (n,n') Level  
Cross Section

41-Nb-93  
-20.02 To 53.24 %



48

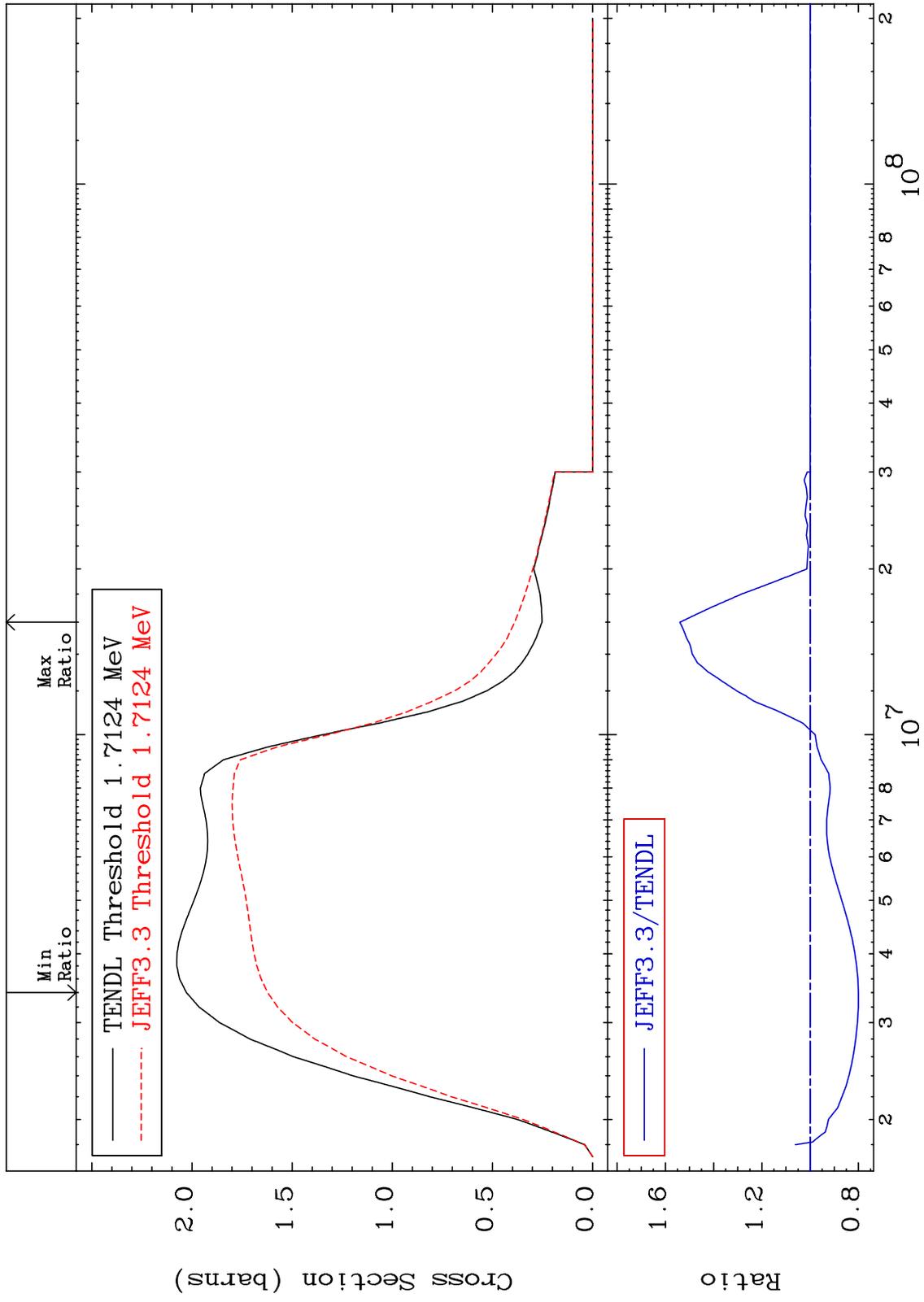
Incident Energy (eV)

41-Nb-93

MAT 4125

(n, n') Continuum  
Cross Section

41-Nb-93  
-20.00 To 53.96 %



49

Incident Energy (eV)

41-Nb-93

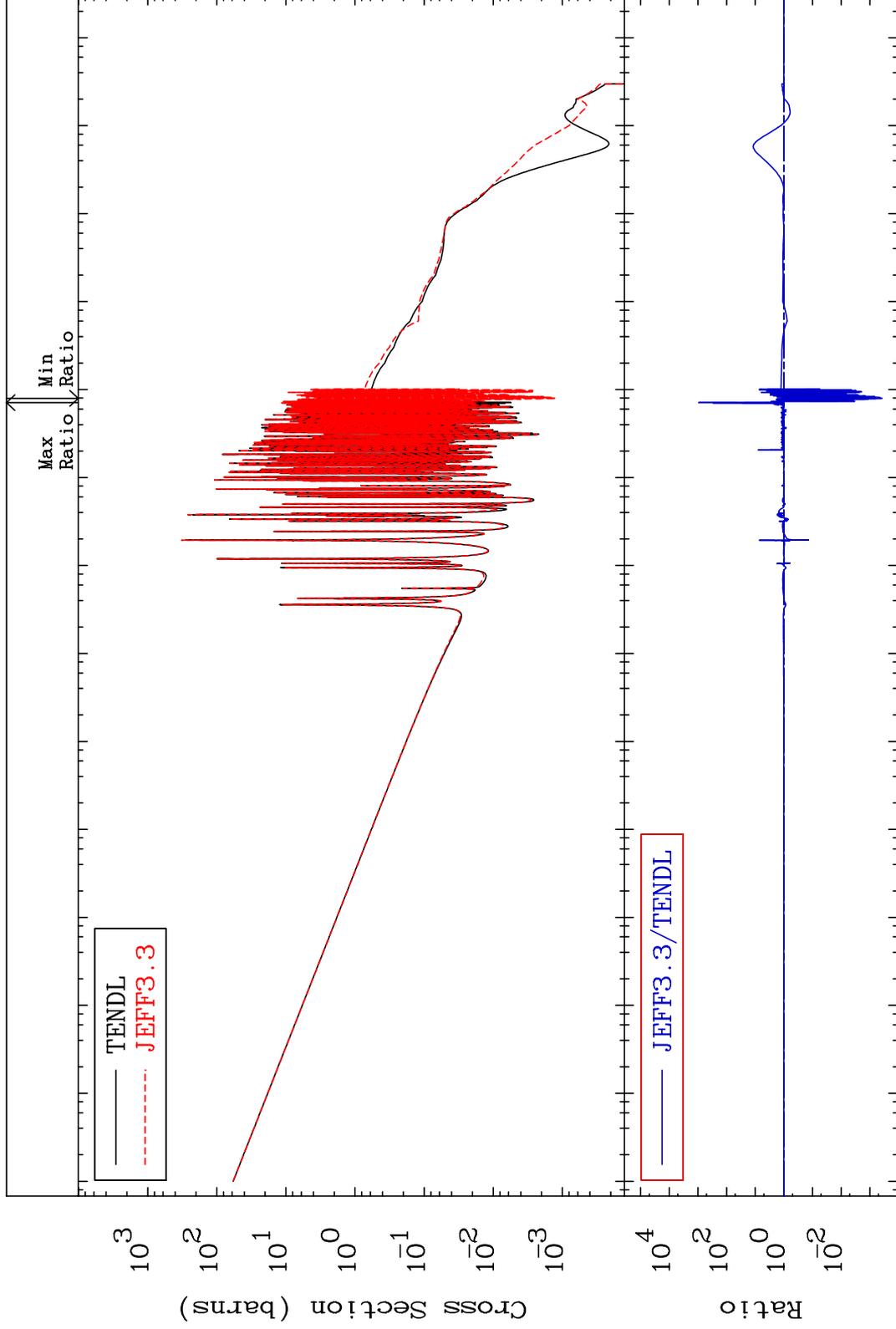
MAT 4125

(n,  $\gamma$ )

41-Nb-93

Cross Section

-99.96 To 9999. %



50

Incident Energy (eV)

41-Nb-93

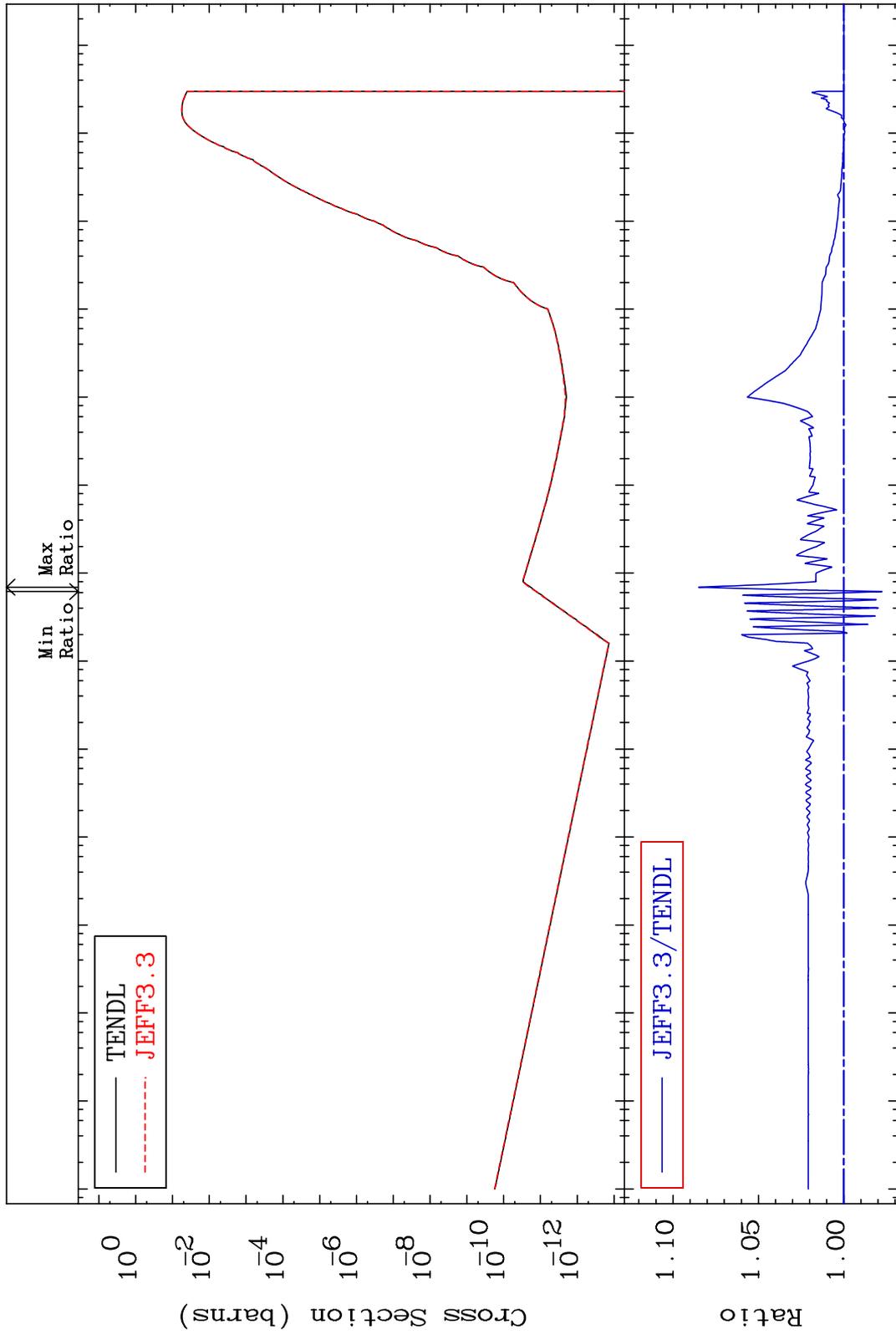
MAT 4125

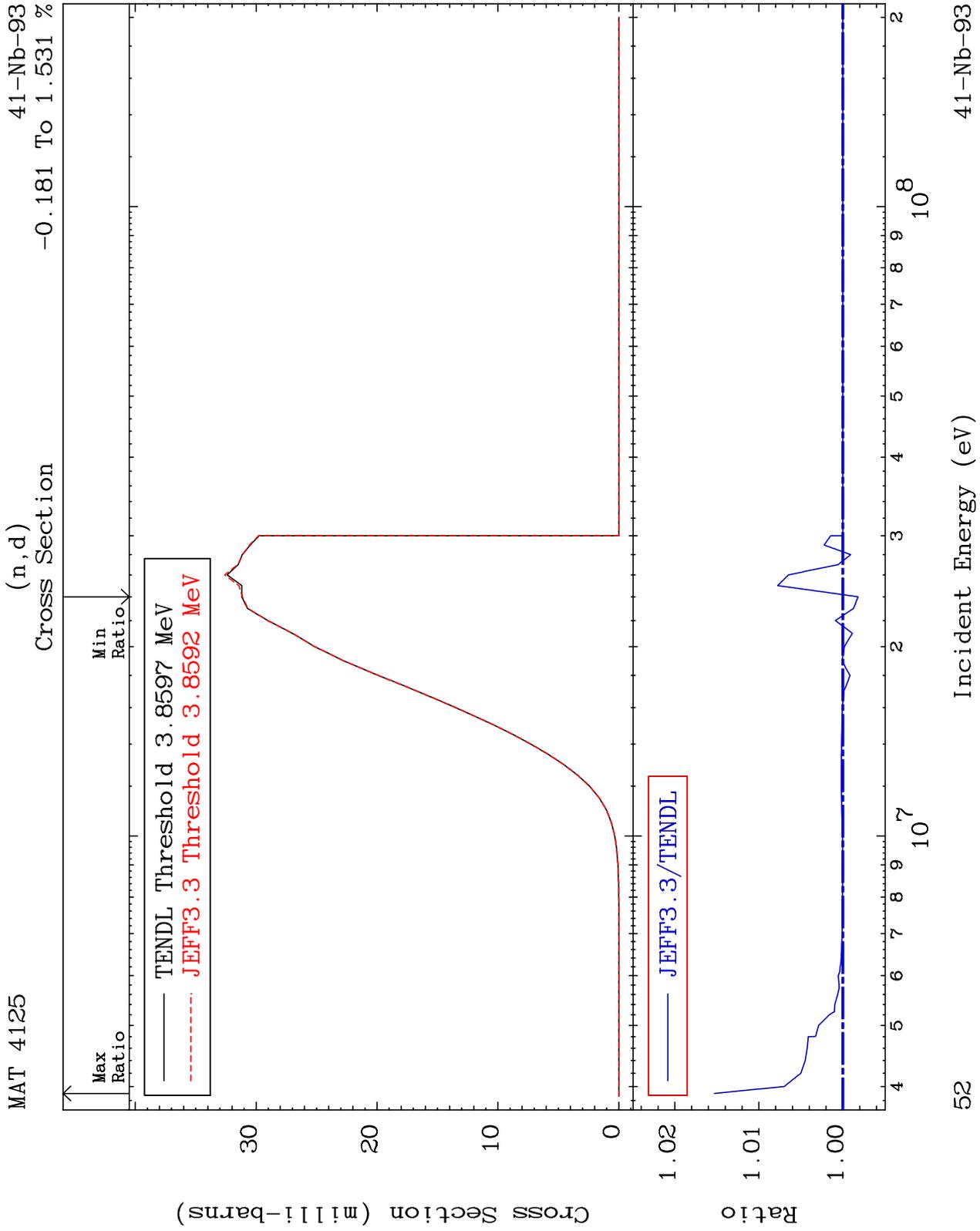
(n, p)

41-Nb-93

Cross Section

-2.238 To 8.497 %



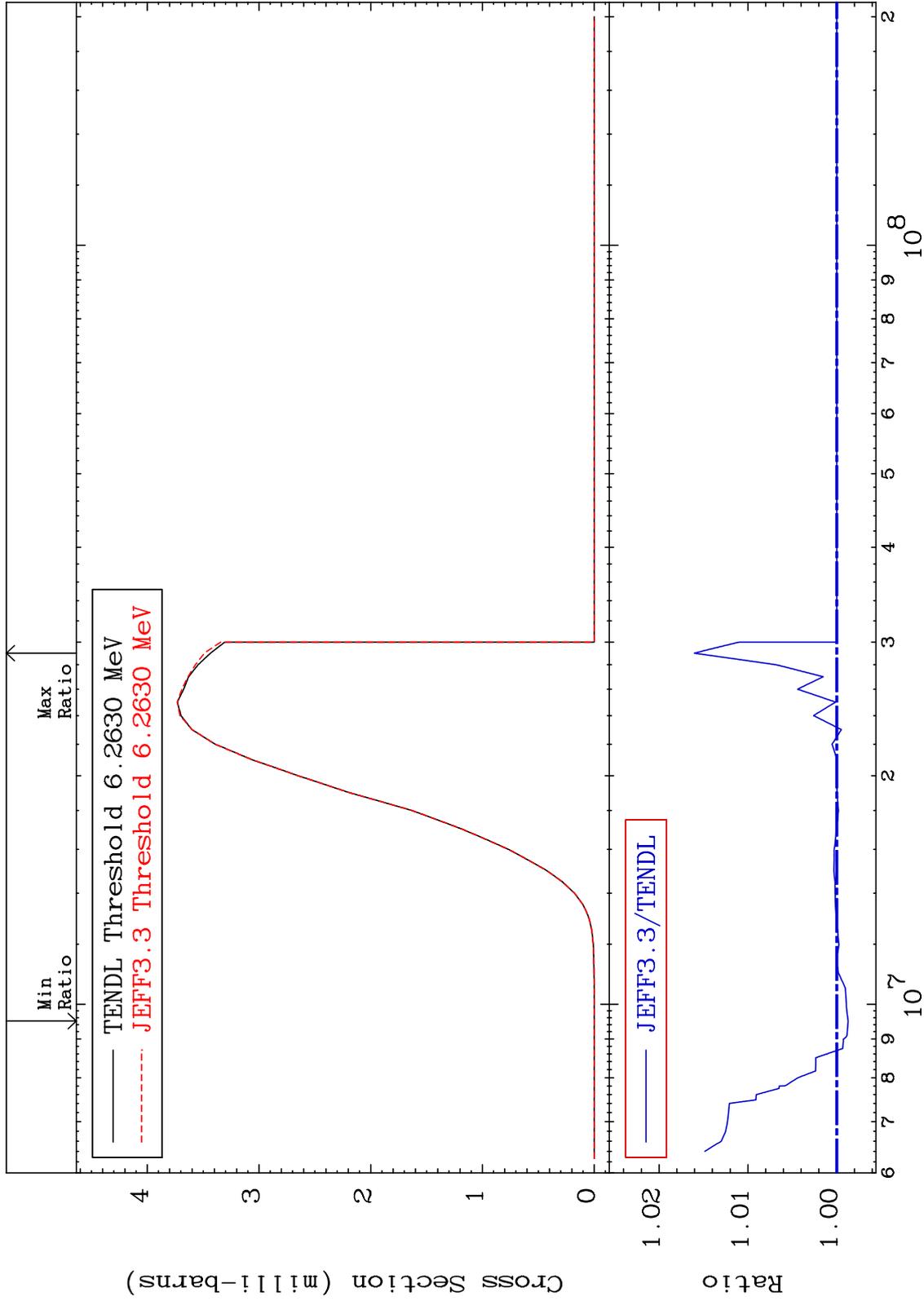


MAT 4125

41-Nb-93

(n, t) -0.128 To 1.603 %

Cross Section



41-Nb-93

Incident Energy (eV)

53

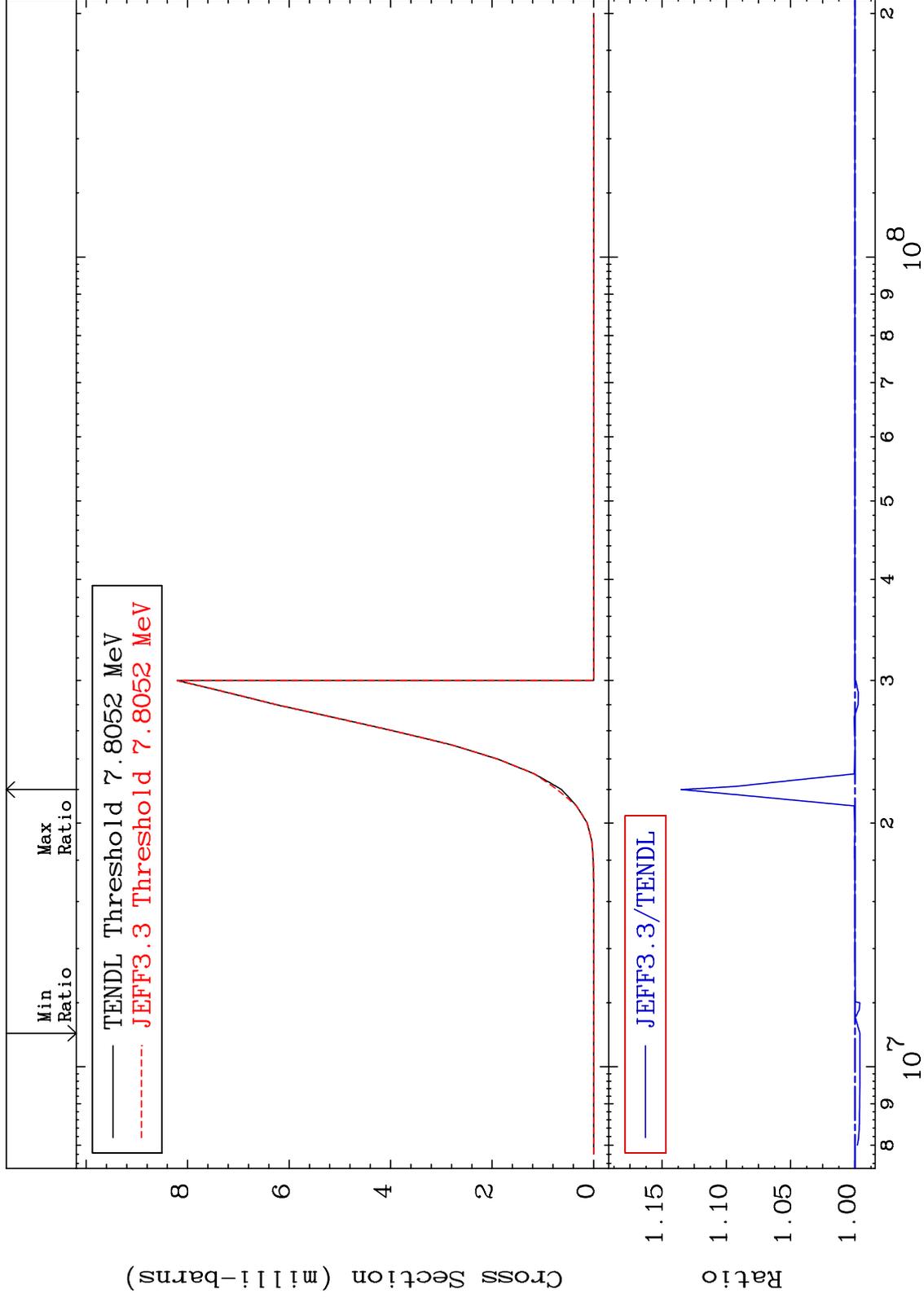
MAT 4125

(n, He-3)

41-Nb-93

Cross Section

-0.393 To 13.52 %



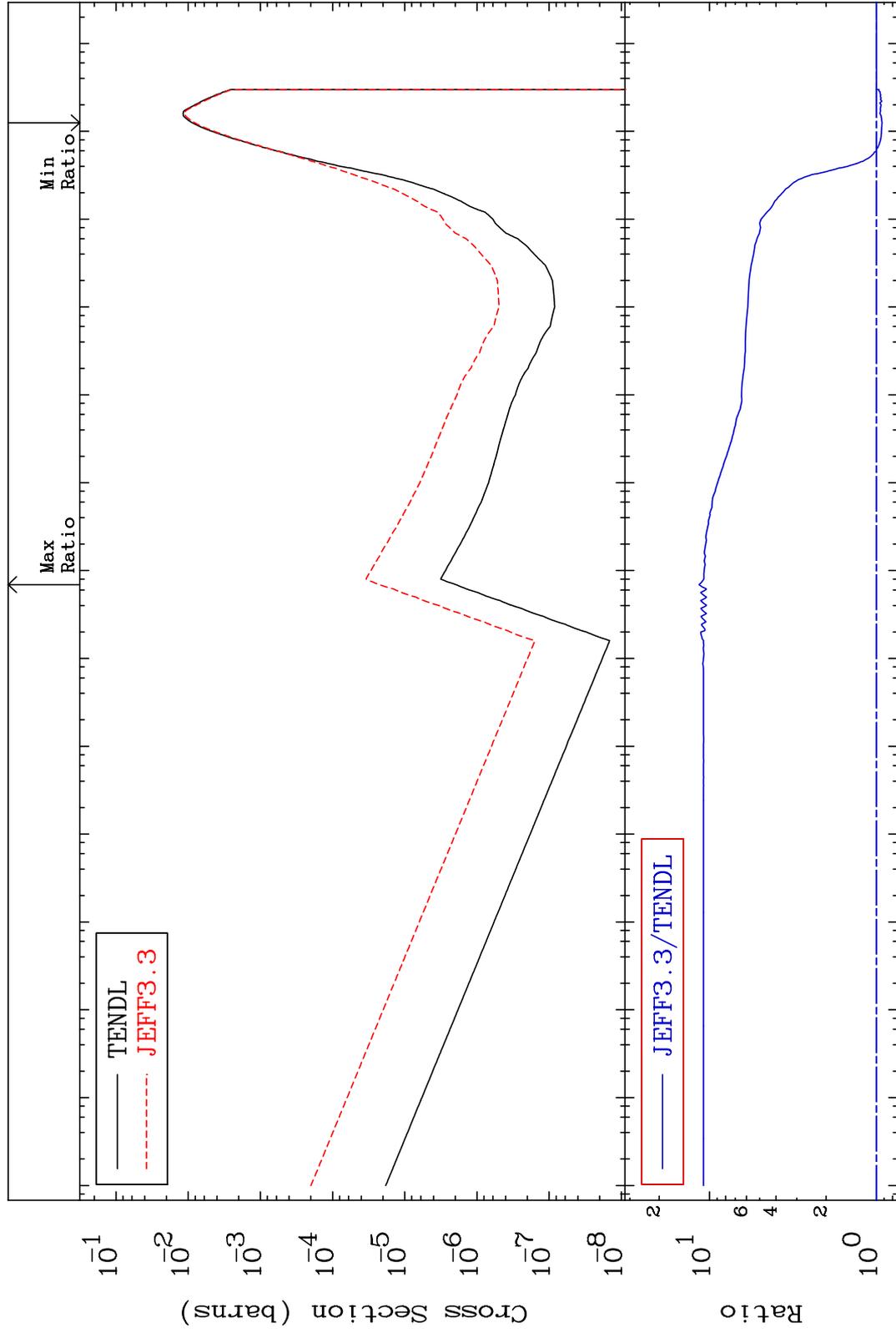
MAT 4125

(n,  $\alpha$ )

41-Nb-93

Cross Section

-7.524 To 1054. %



55

Incident Energy (eV)

41-Nb-93

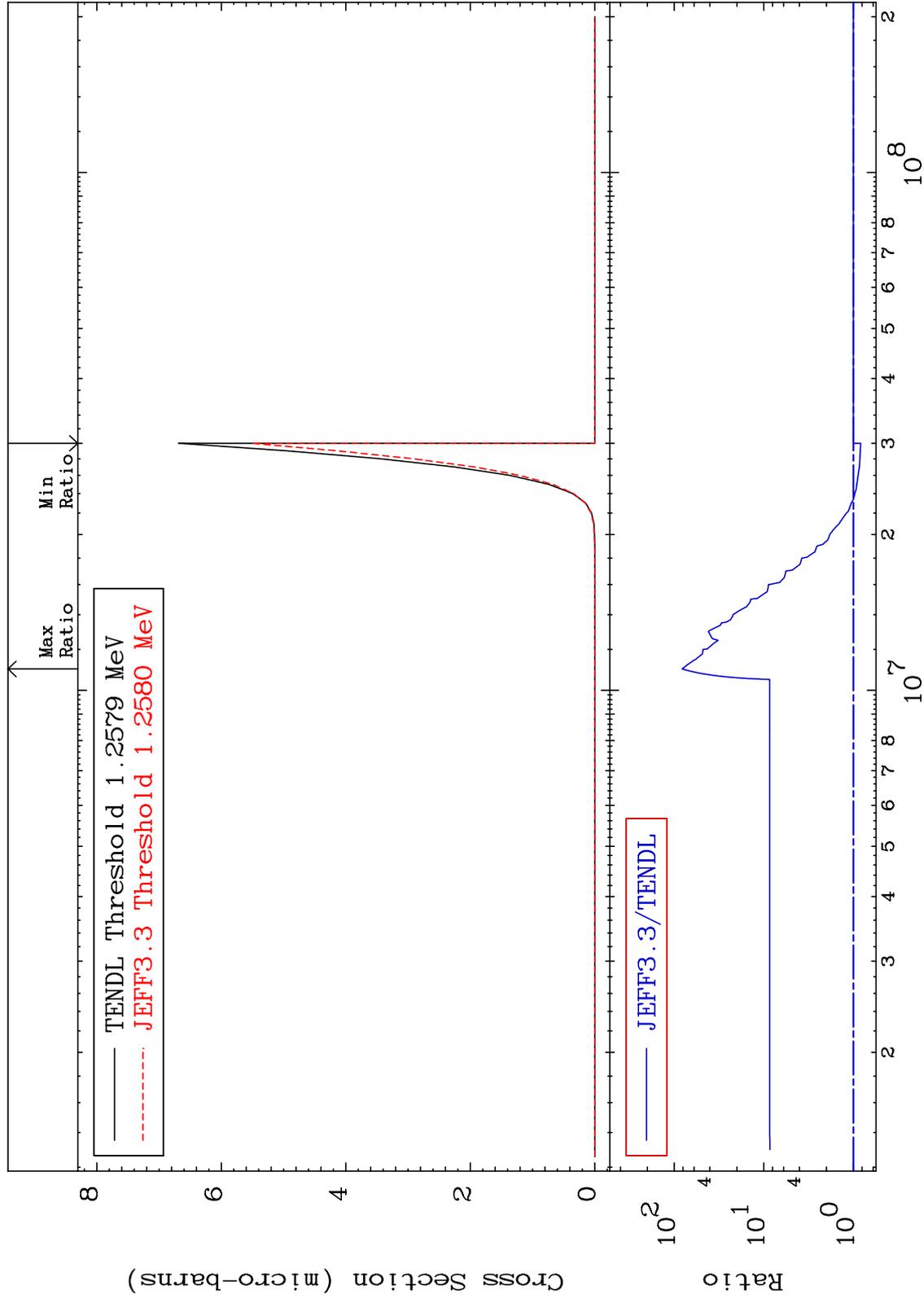
MAT 4125

(n, 2α)

41-Nb-93

-17.49 To 8072. %

Cross Section



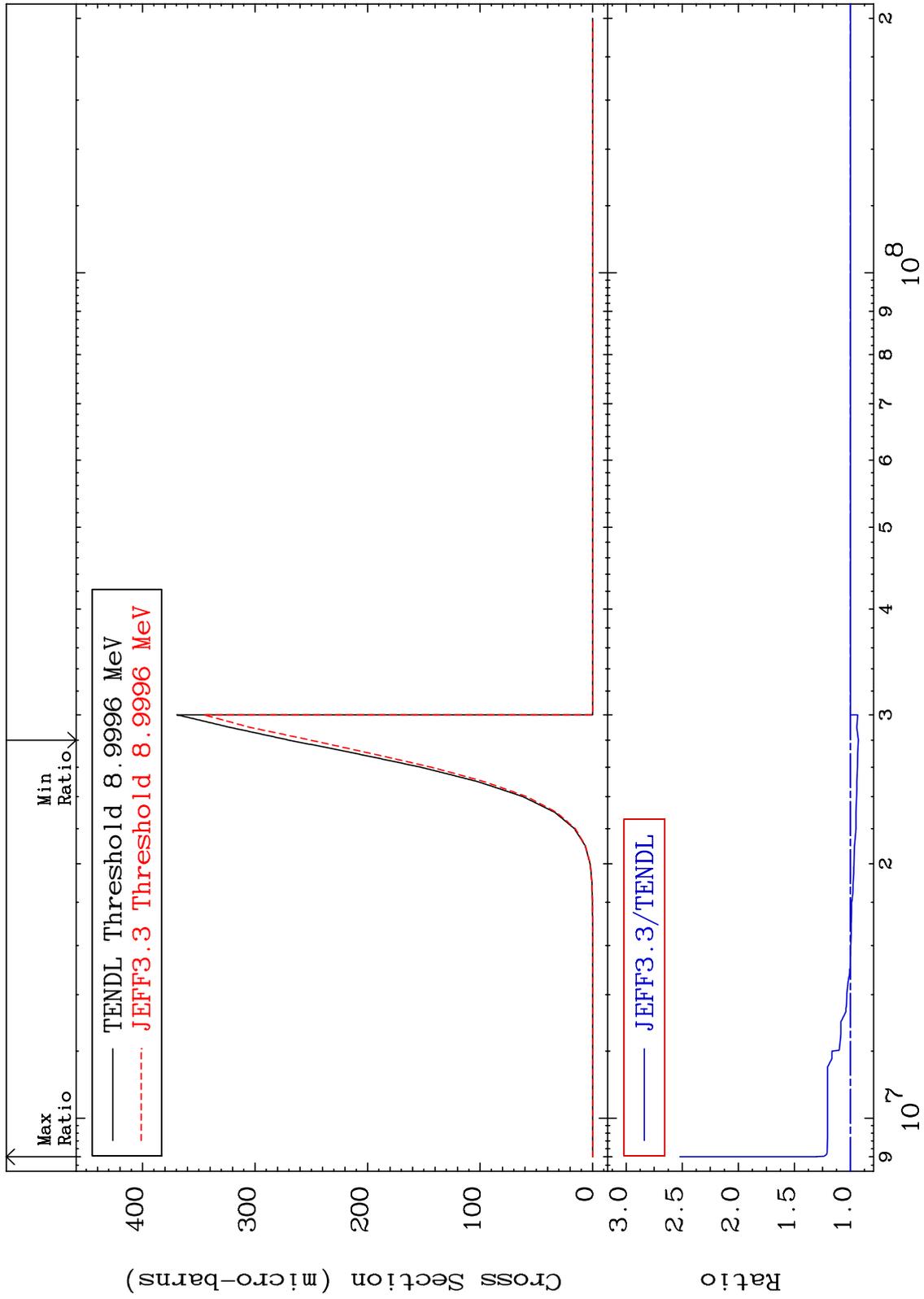
MAT 4125

(n,2p)

41-Nb-93

Cross Section

-7.030 To 152.1 %



57

Incident Energy (eV)

41-Nb-93

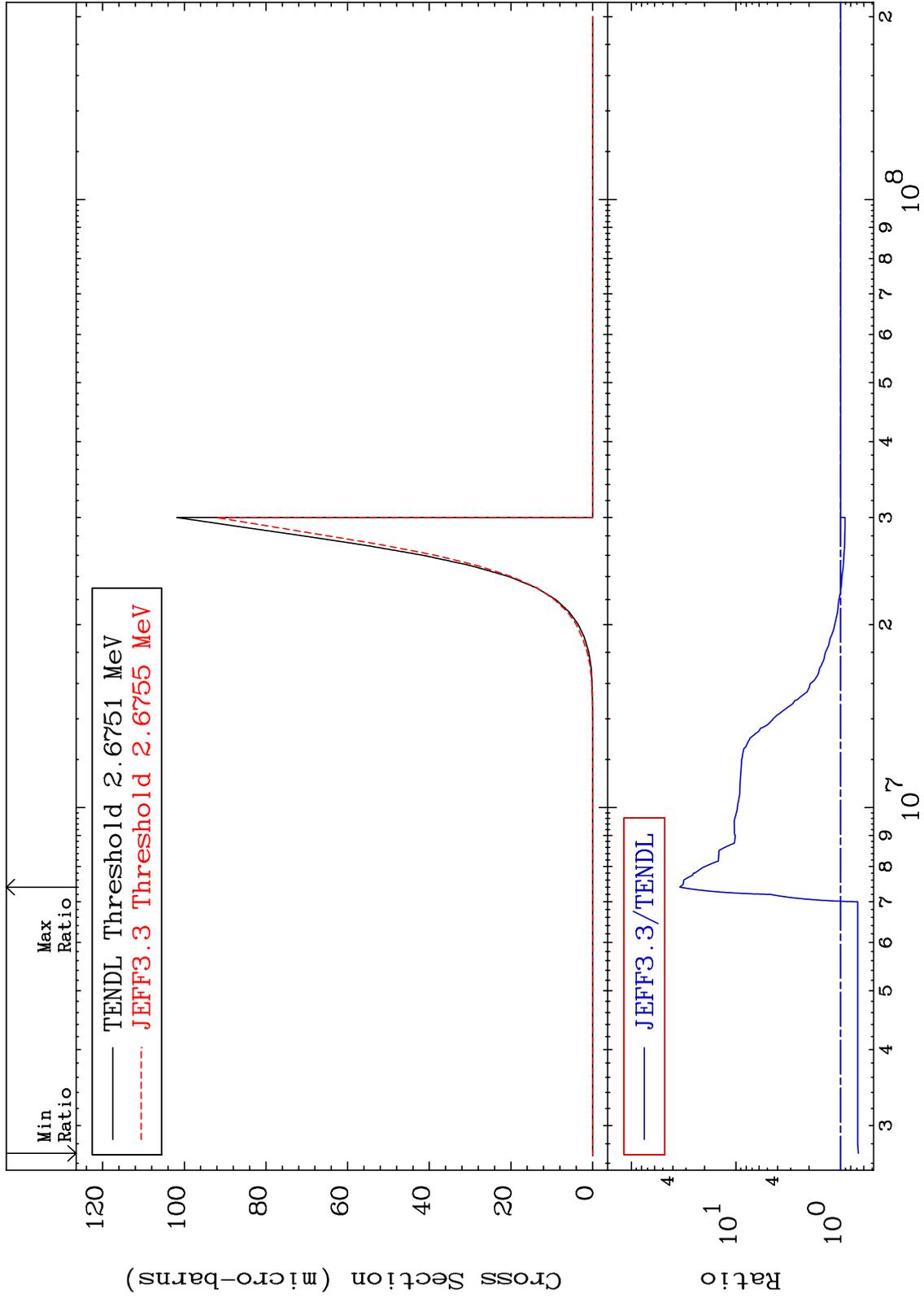
MAT 4125

(n,p)  $\alpha$

41-Nb-93

Cross Section

-32.41 To 3332. %



58

Incident Energy (eV)

41-Nb-93

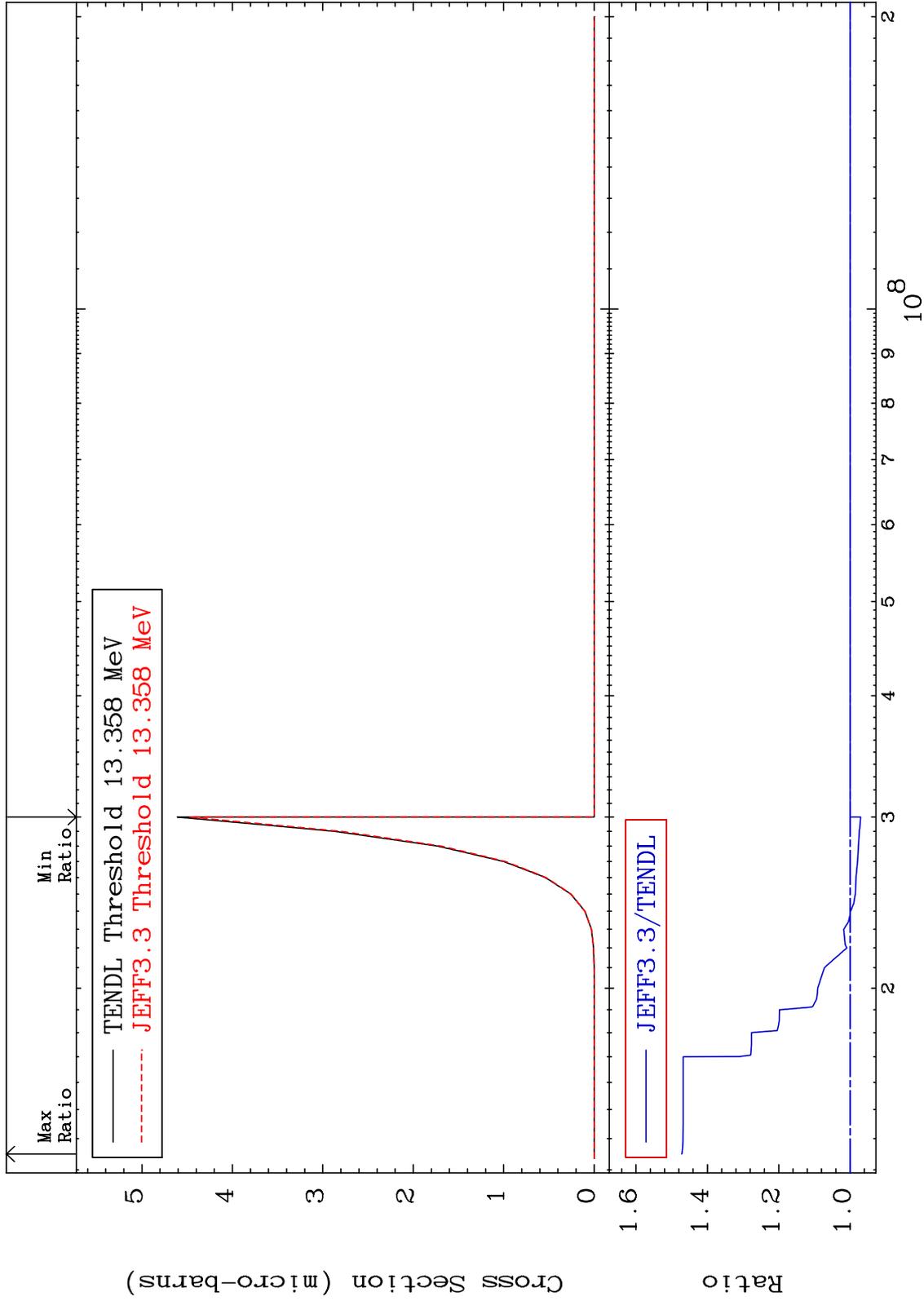
MAT 4125

(n,p) d

41-Nb-93

Cross Section

-2.972 To 47.19 %





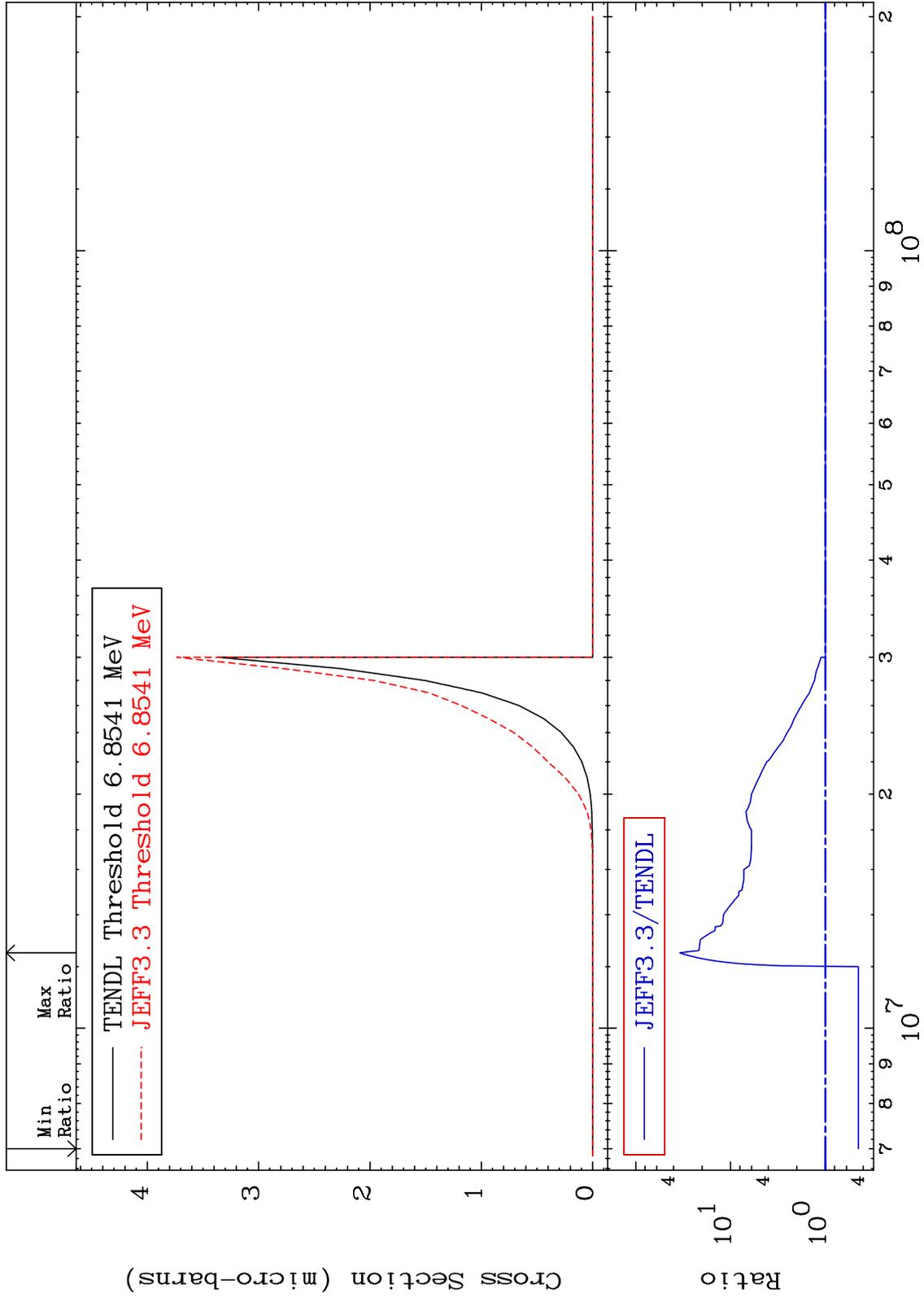
MAT 4125

(n,d)  $\alpha$

41-Nb-93

Cross Section

-55.08 To 3319. %



61

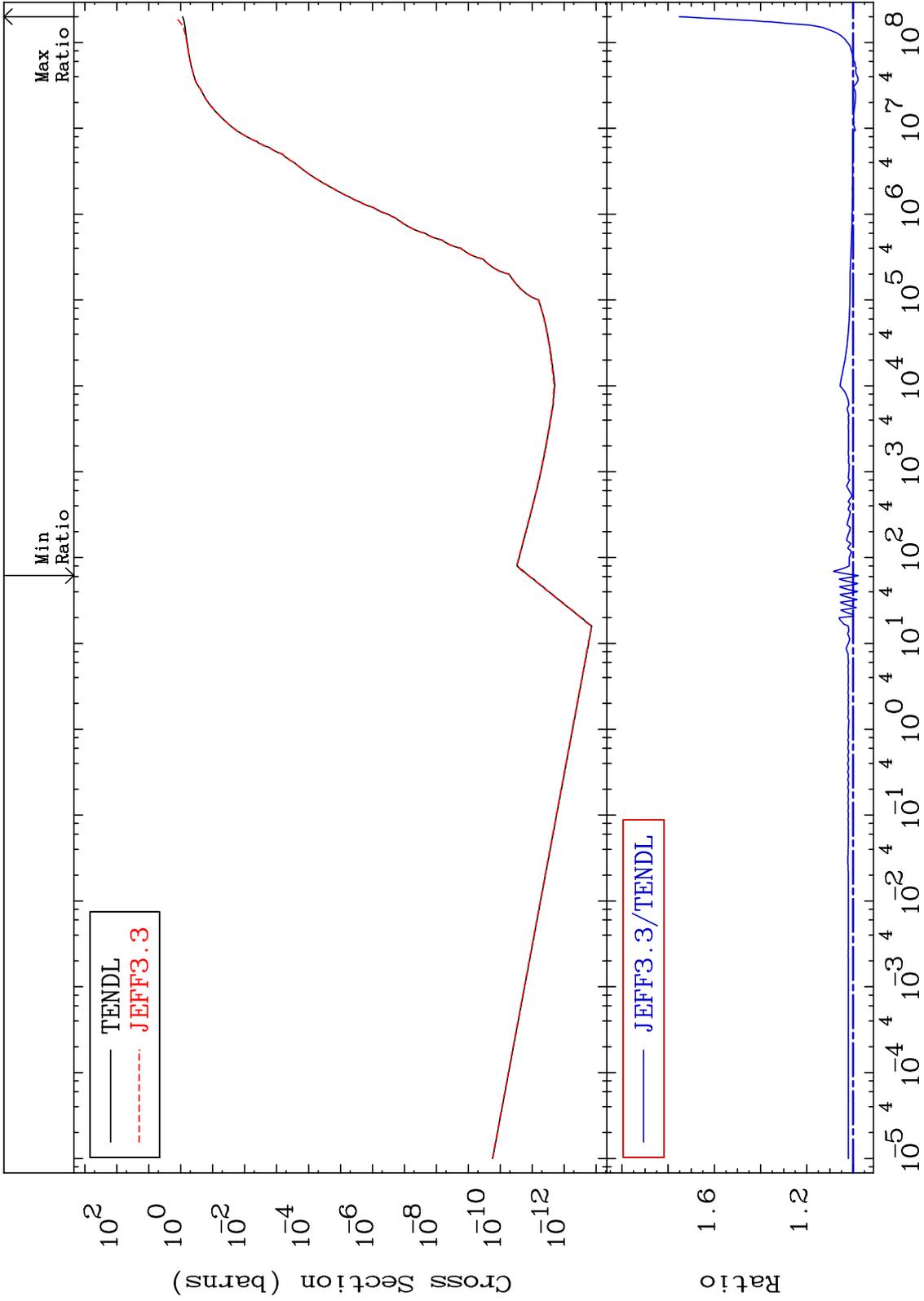
Incident Energy (eV)

41-Nb-93

MAT 4125

Hydrogen Production  
Cross Section

41-Nb-93  
-2.238 To 75.18 %



62

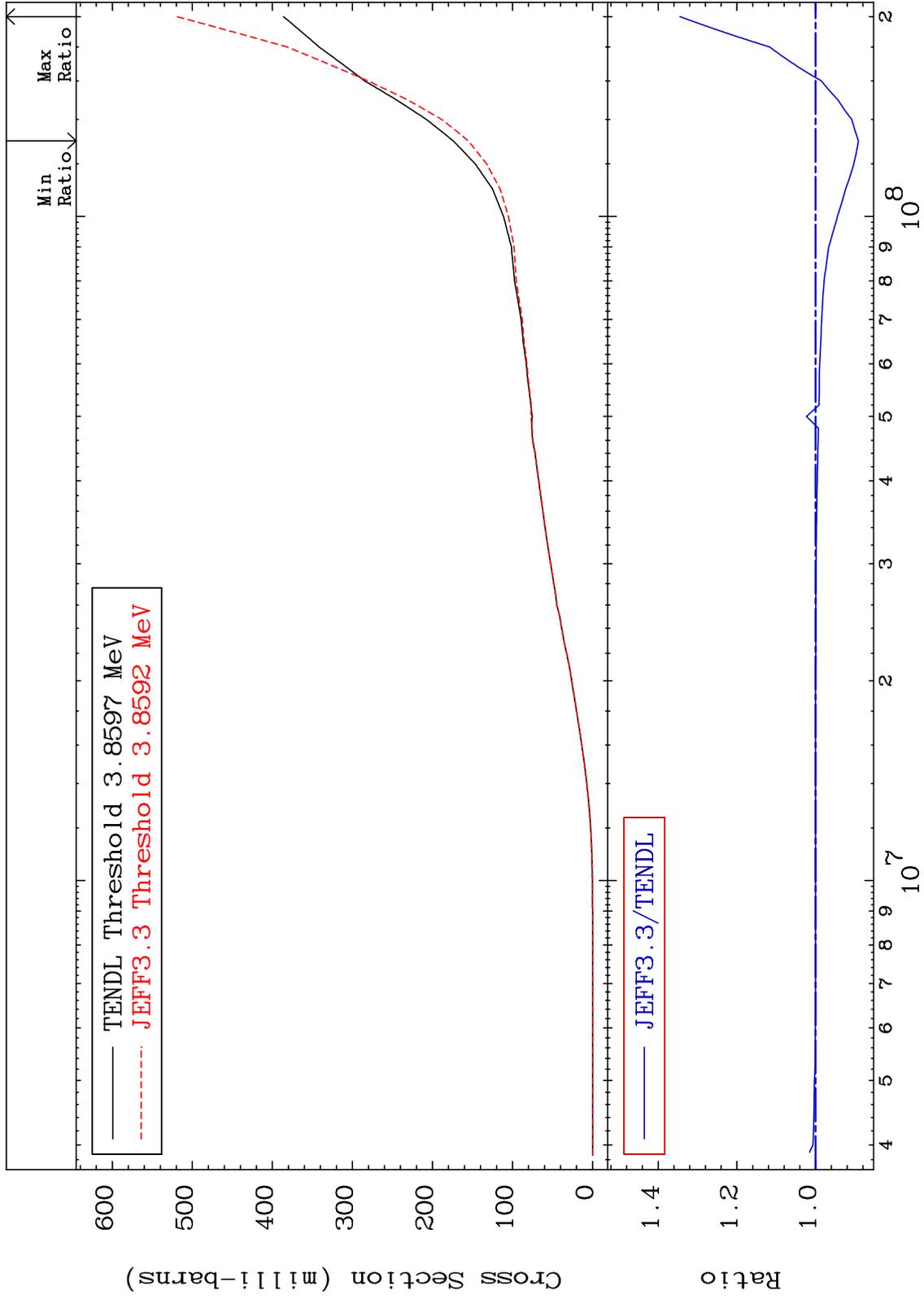
Incident Energy (eV)

41-Nb-93

MAT 4125

Deuterium Production  
Cross Section

41-Nb-93  
-10.87 To 34.47 %



63

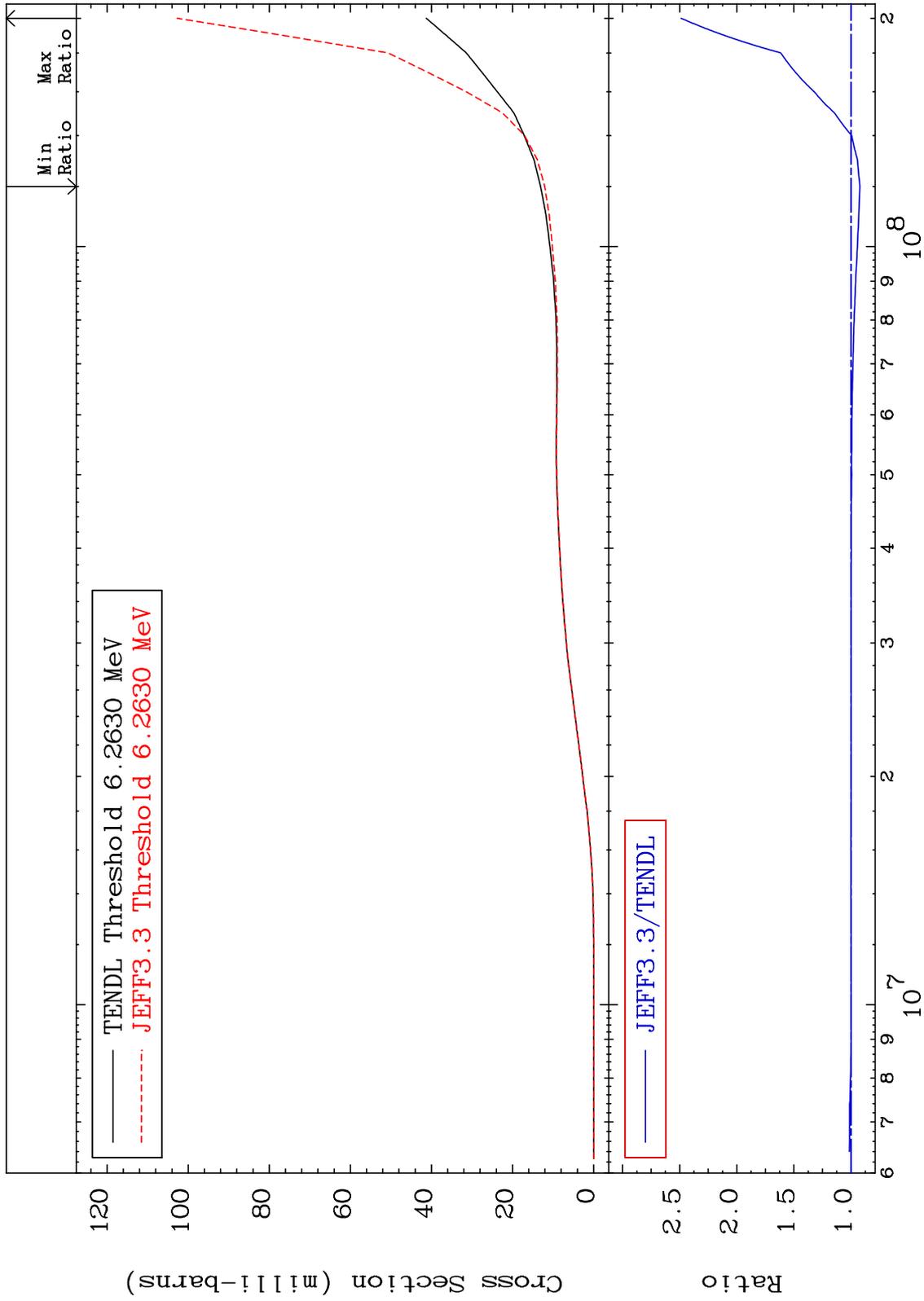
Incident Energy (eV)

41-Nb-93

MAT 4125

Tritium Production  
Cross Section

41-Nb-93  
-7.791 To 148.7 %



64

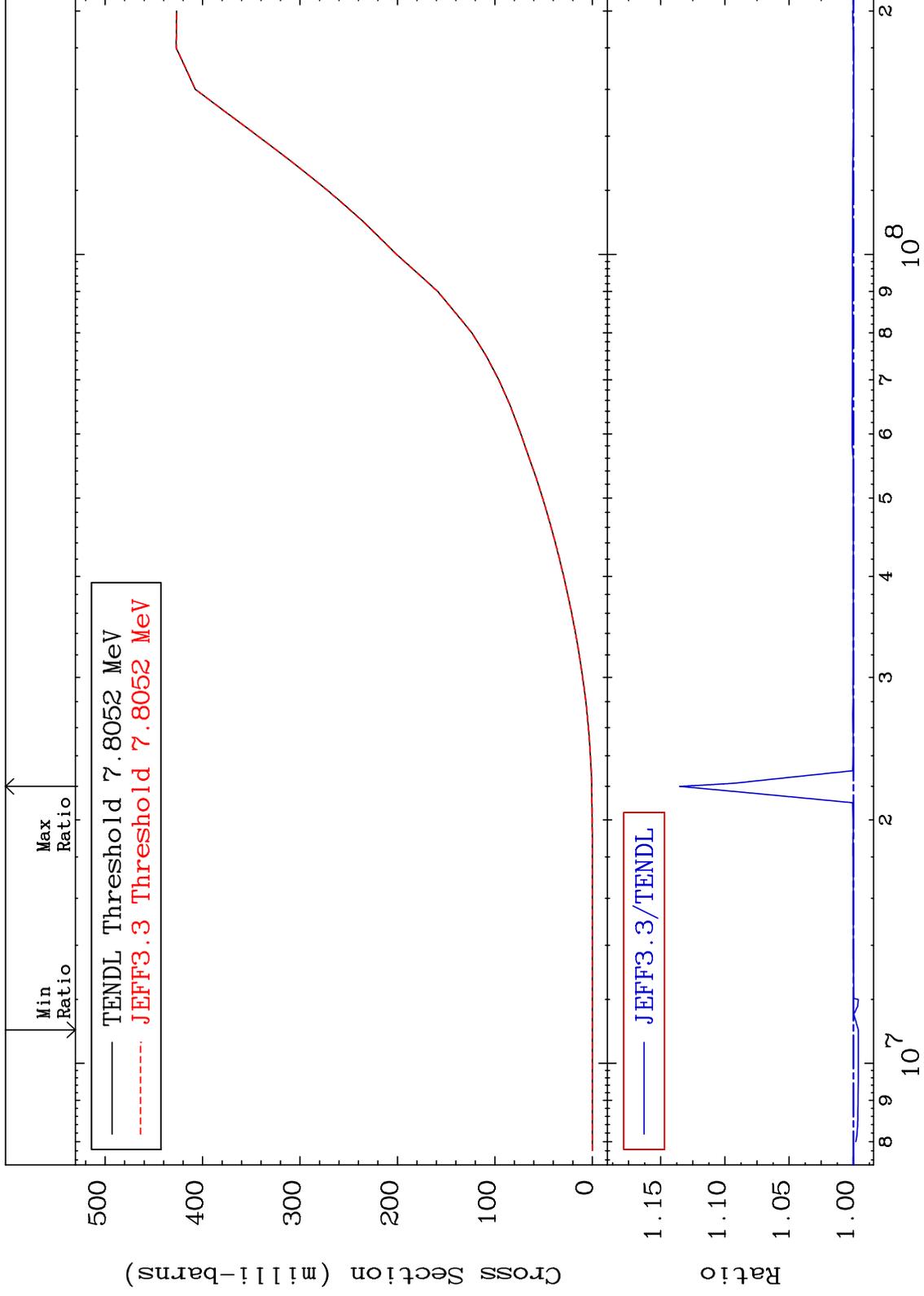
Incident Energy (eV)

41-Nb-93

MAT 4125

He-3 Production  
Cross Section

41-Nb-93  
-0.393 To 13.52 %



65

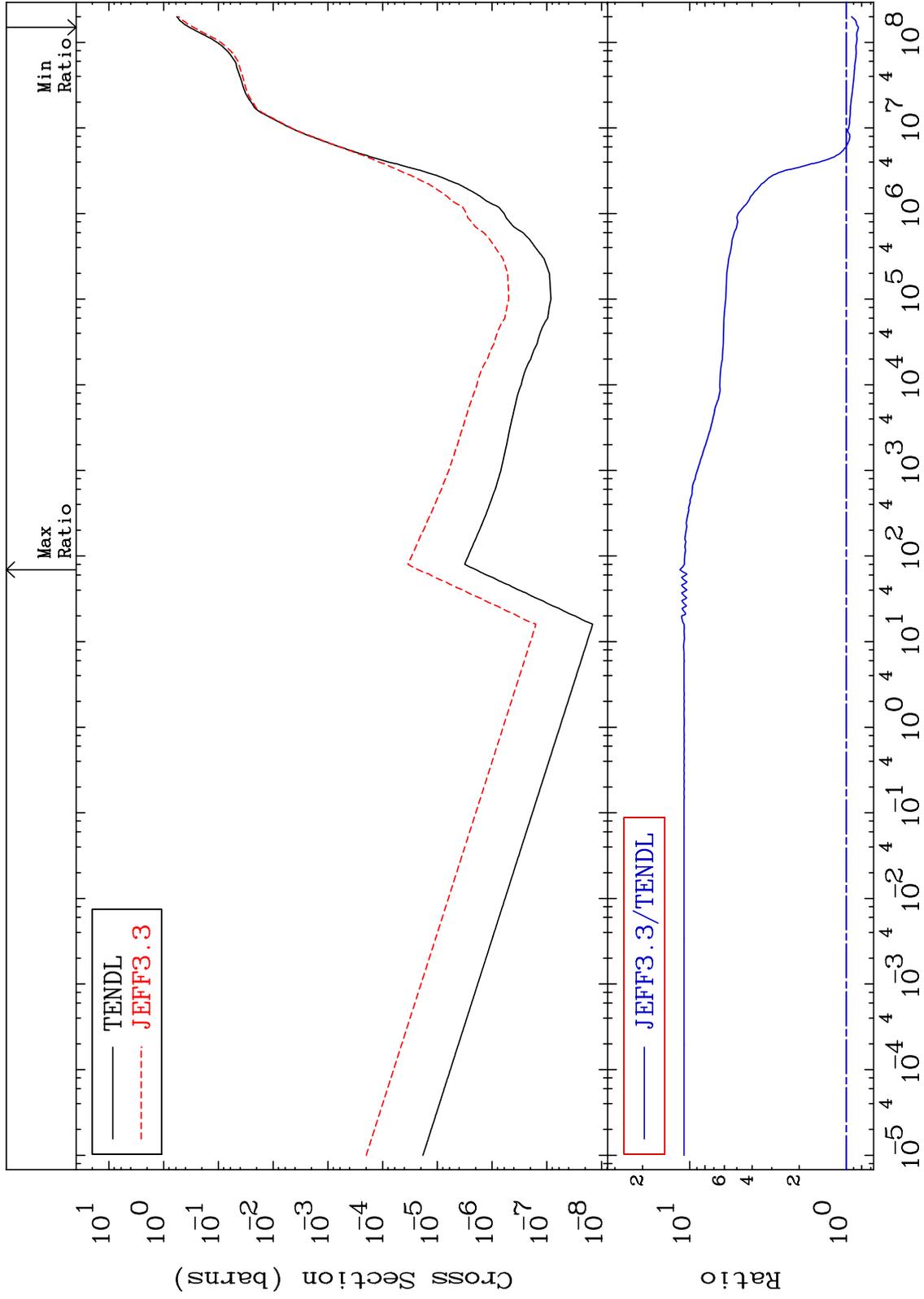
Incident Energy (eV)

41-Nb-93

MAT 4125

He-4 Production  
Cross Section

41-Nb-93  
-16.12 To 1054. %



66

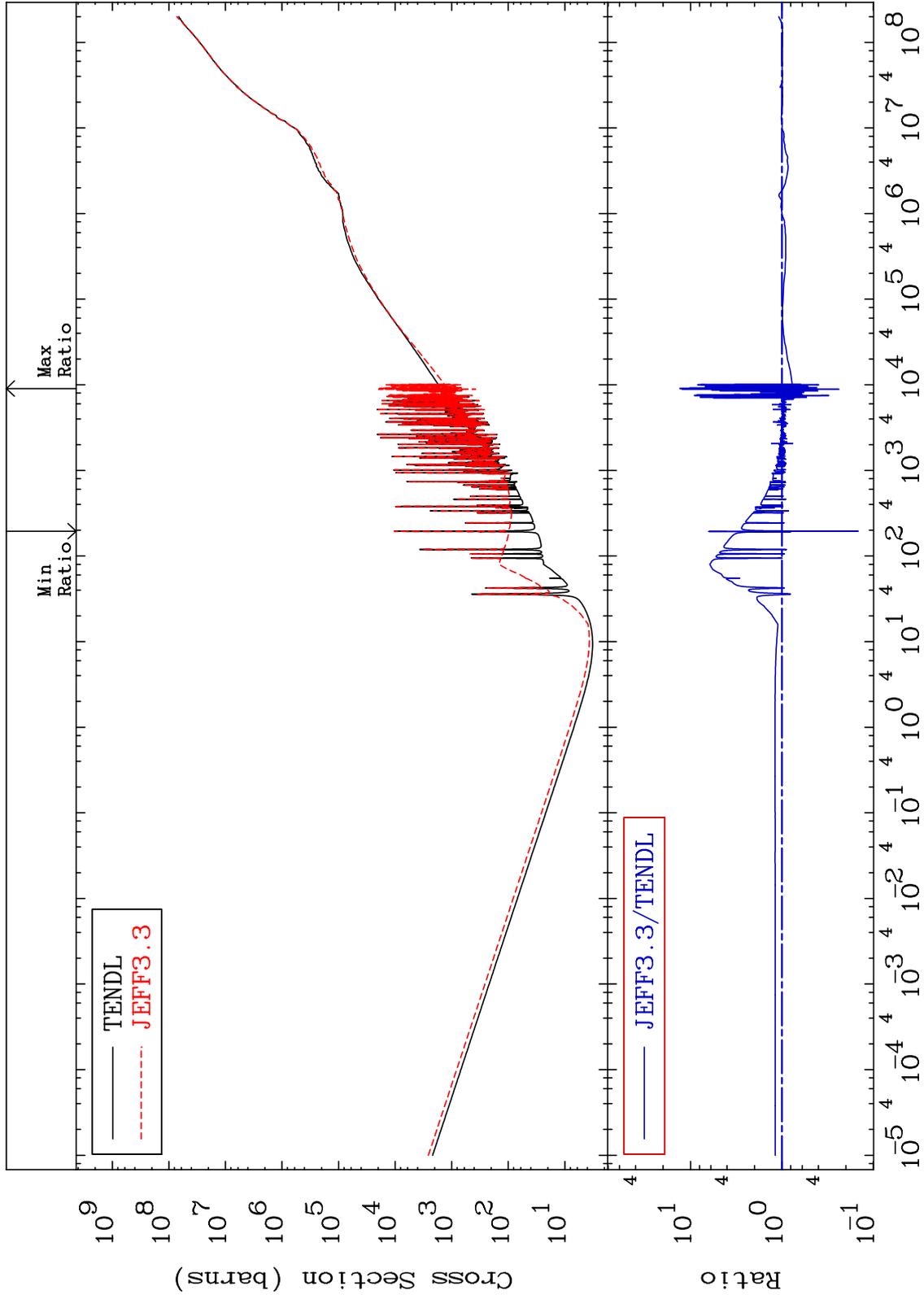
Incident Energy (eV)

41-Nb-93

MAT 4125

Kerma total (eV-barns)  
Cross Section

41-Nb-93  
-85.43 To 1208. %



67

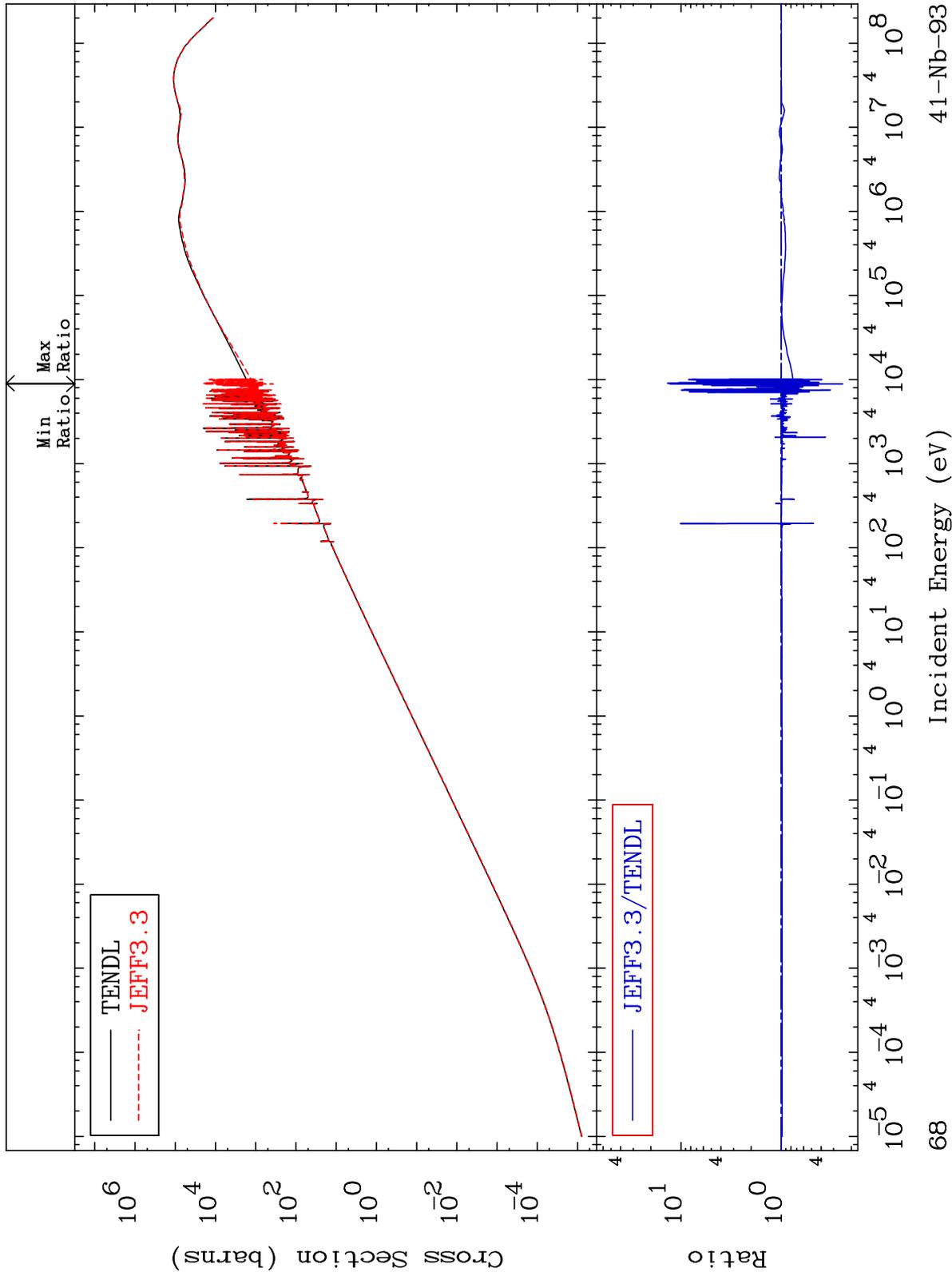
Incident Energy (eV)

41-Nb-93

MAT 4125

Kerma elastic  
Cross Section

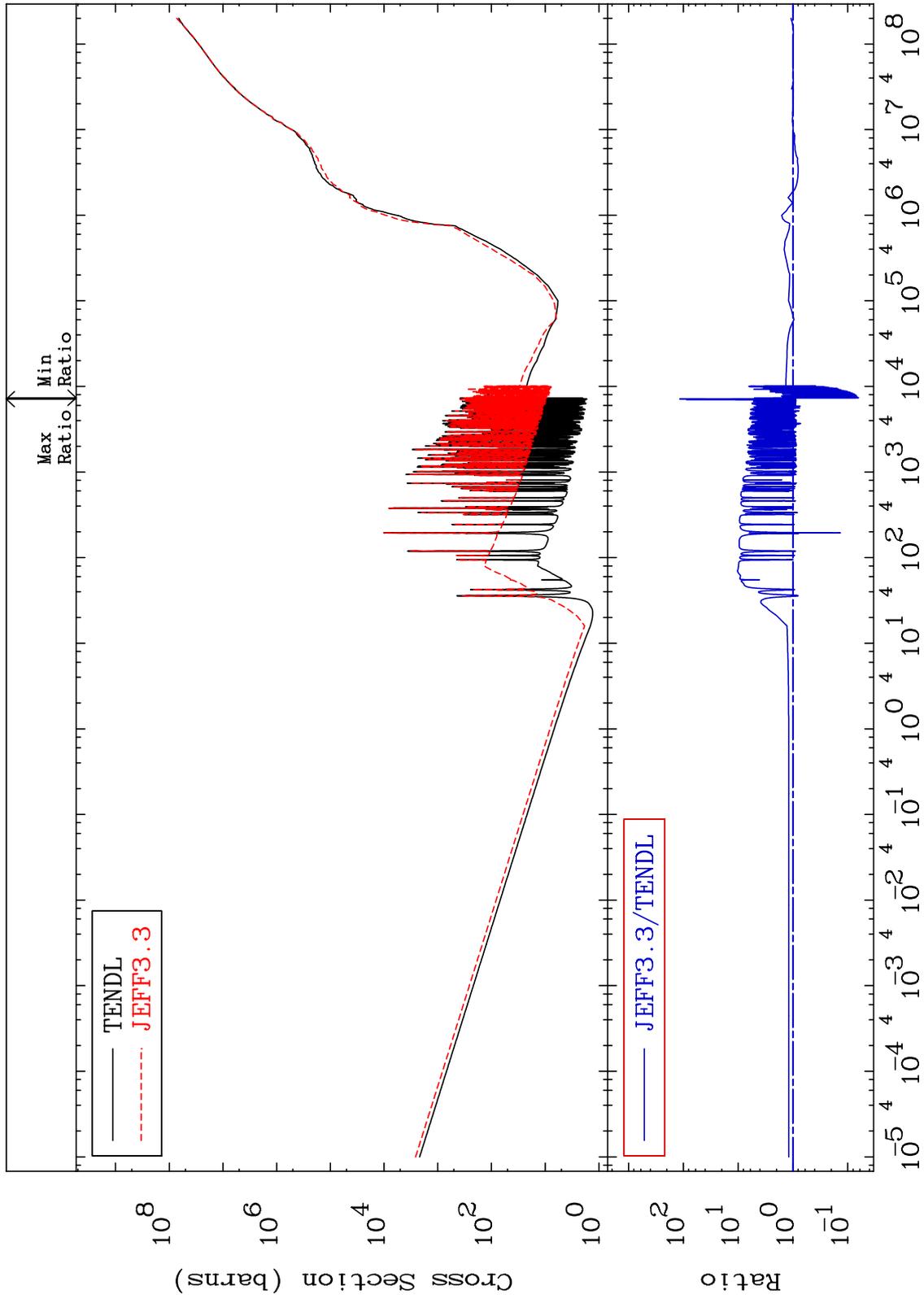
41-Nb-93  
-75.70 To 1261. %



MAT 4125

Kerma non-elastic (all but mt2)  
Cross Section

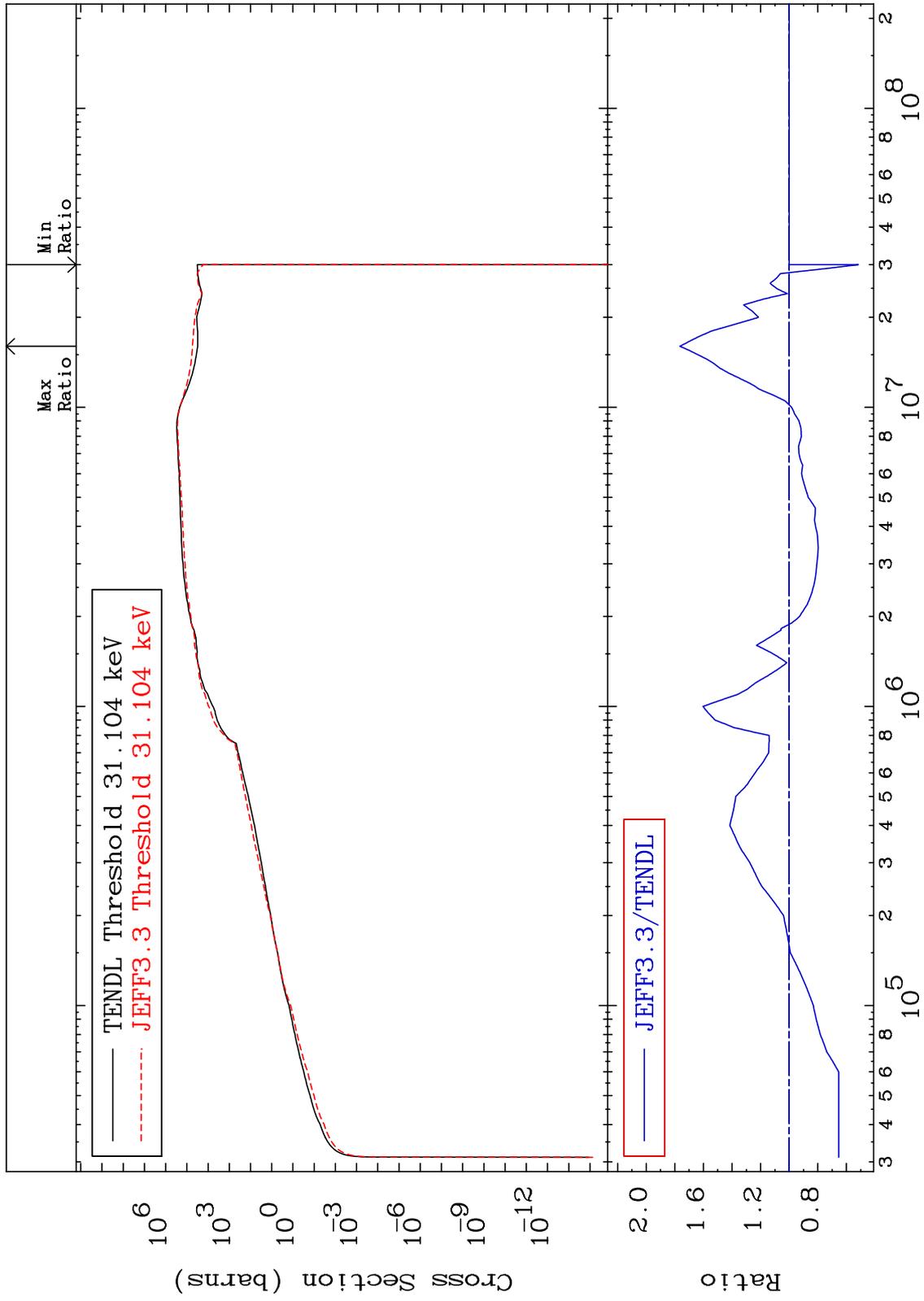
41-Nb-93  
-93.62 To 9999. %



MAT 4125

Kerma inelastic (mt51-91)  
Cross Section

41-Nb-93  
-48.36 To 76.42 %



70

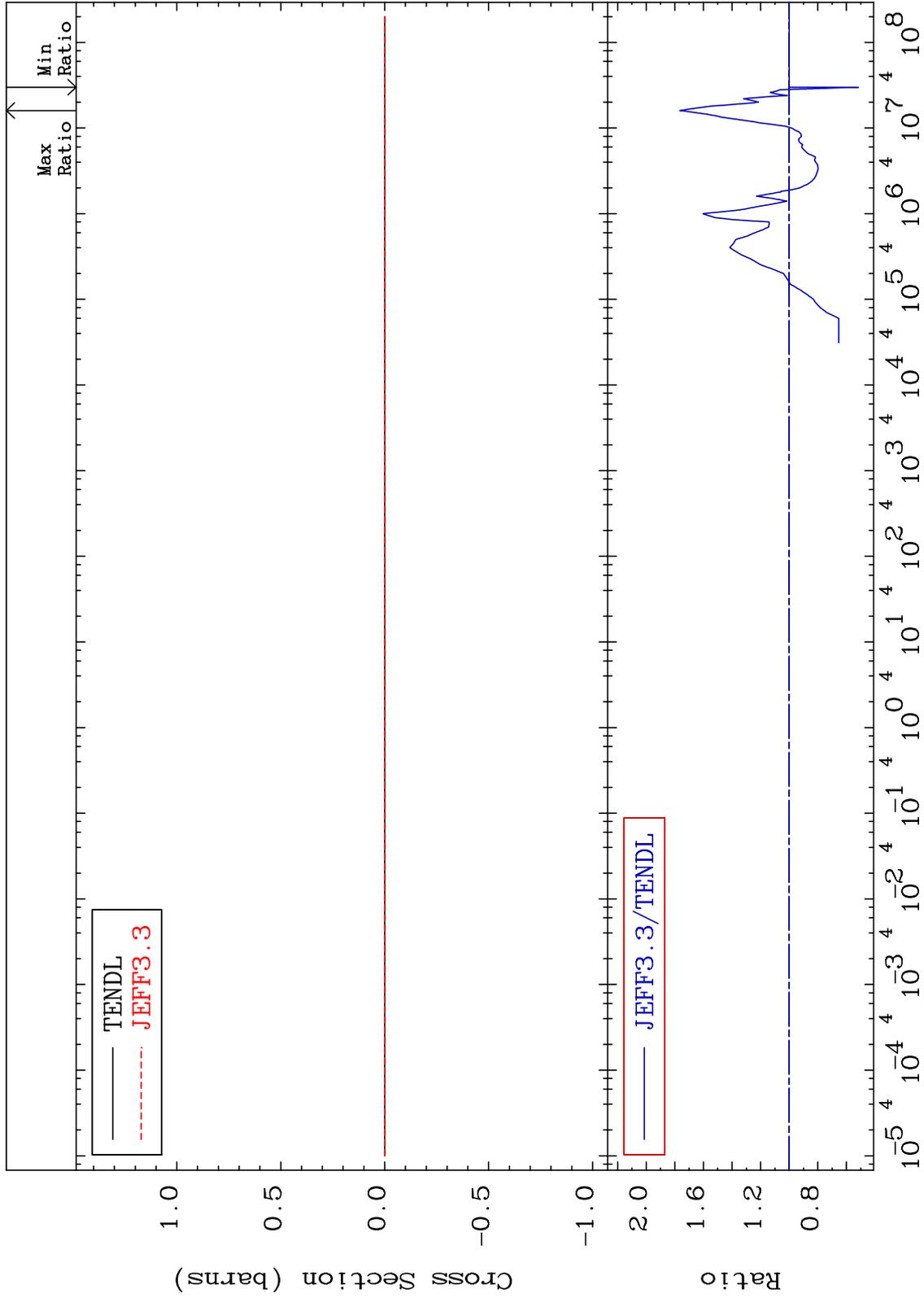
Incident Energy (eV)

41-Nb-93

MAT 4125

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

41-Nb-93  
-48.36 To 76.42 %



71

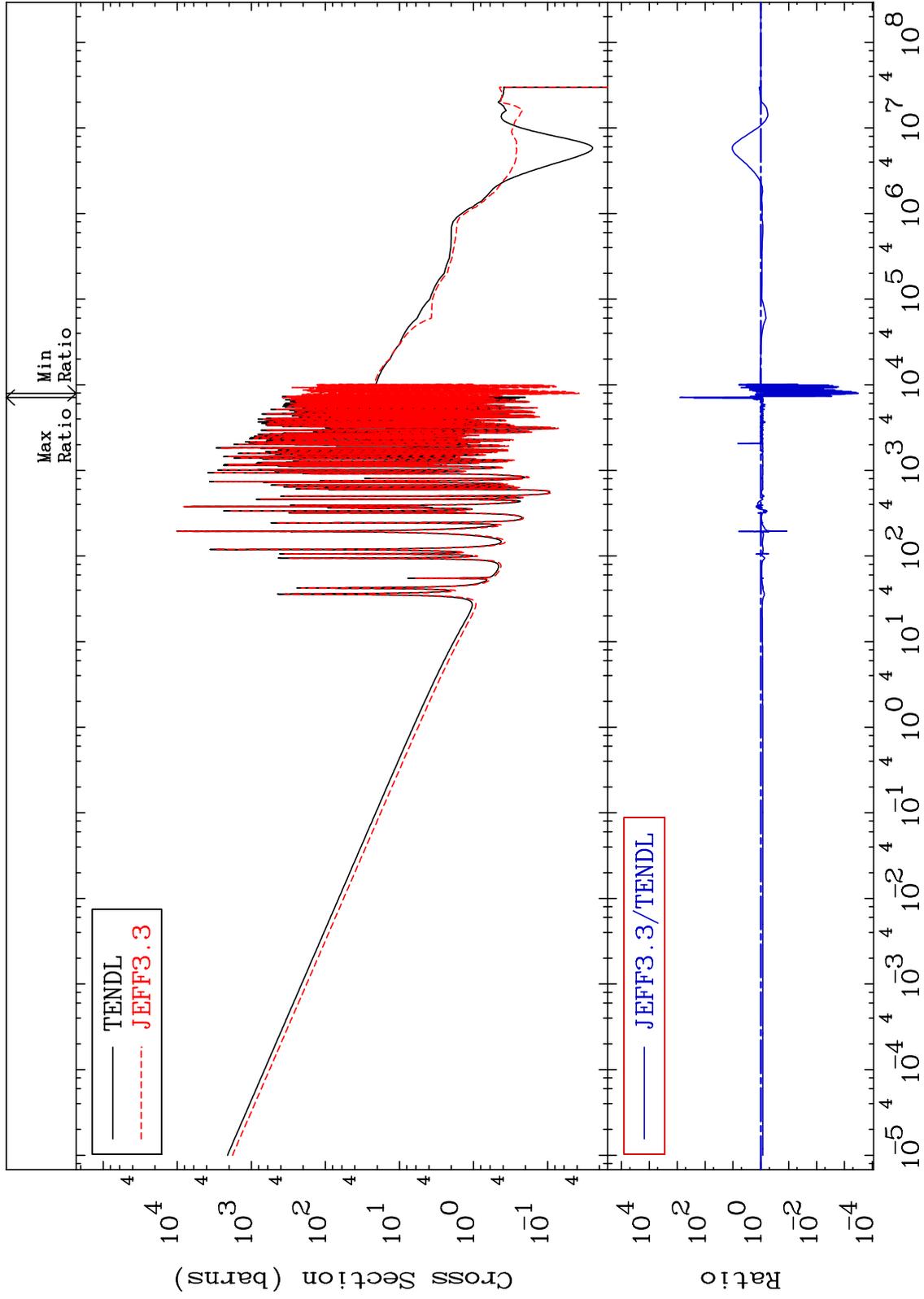
Incident Energy (eV)

41-Nb-93

MAT 4125

Kerma capture (mt102)  
Cross Section

41-Nb-93  
-99.97 To 9999. %



72

Incident Energy (eV)

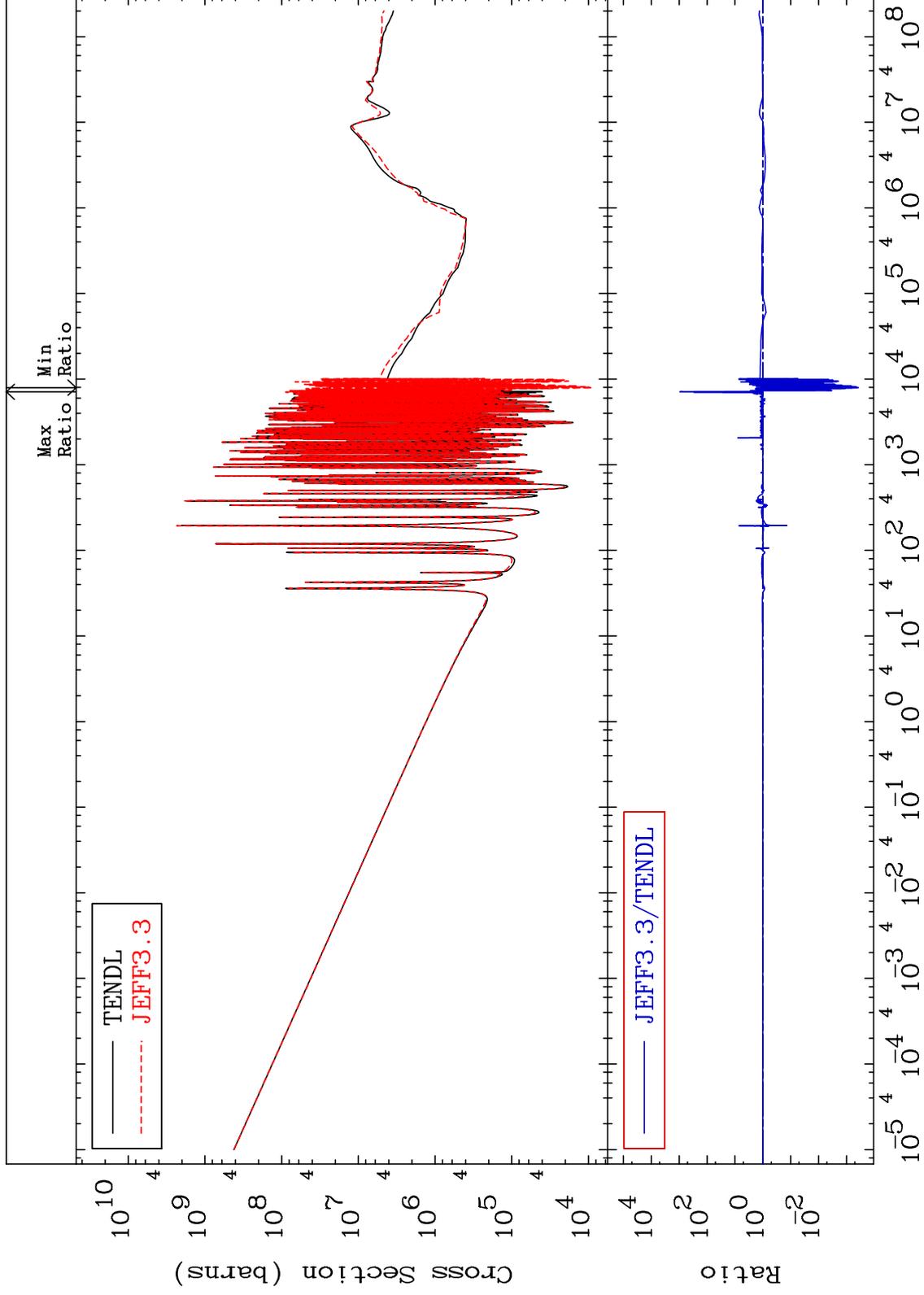
41-Nb-93

MAT 4125

Total photon (eV-barns)  
Cross Section

41-Nb-93

-99.96 To 9999. %



73

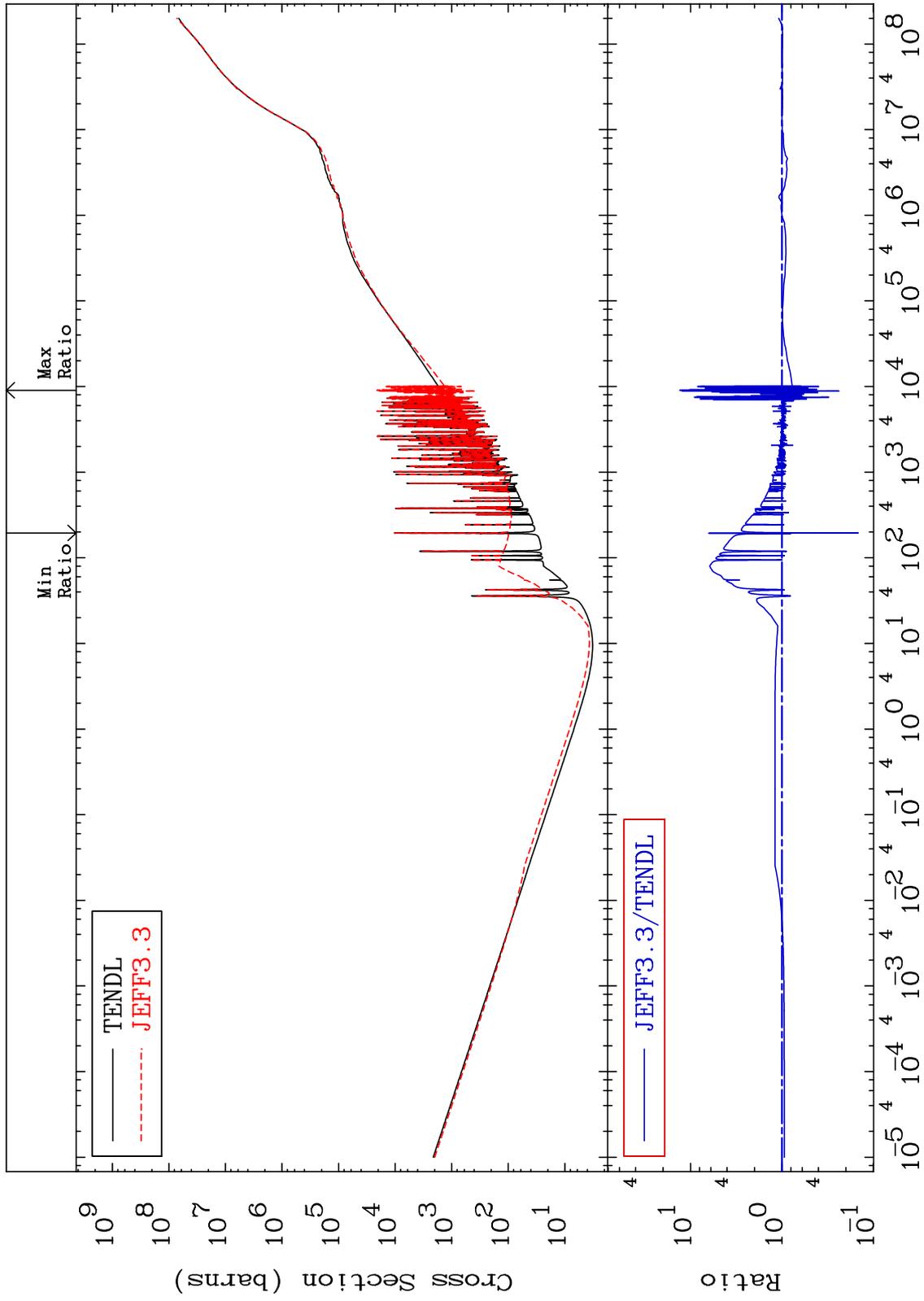
Incident Energy (eV)

41-Nb-93

MAT 4125

Total kinematic kerma (high limit)  
Cross Section

41-Nb-93  
-85.42 To 1208. %



74

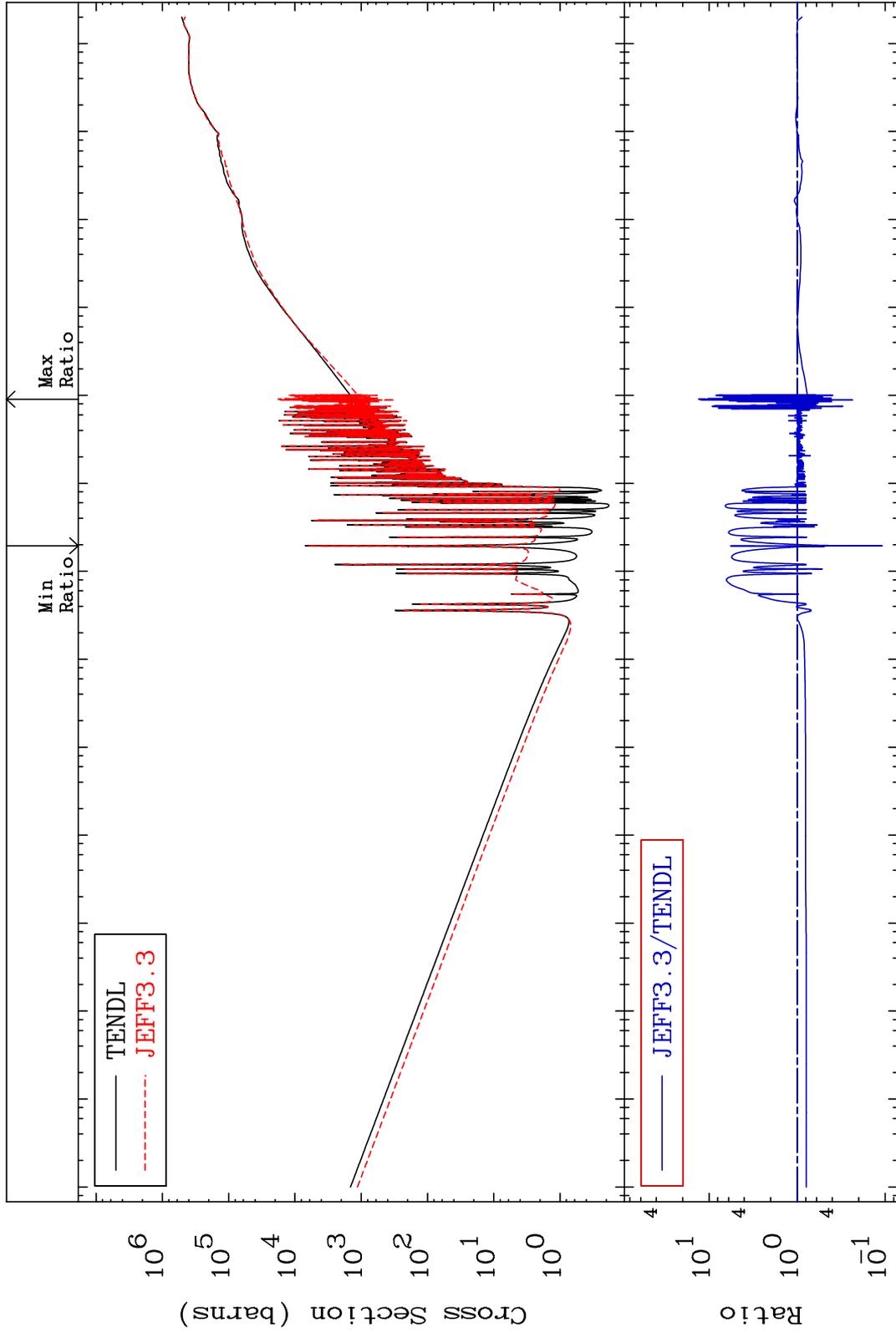
Incident Energy (eV)

41-Nb-93

MAT 4125

Dpa total (eV-barns)  
Cross Section

41-Nb-93  
-89.18 To 1218. %



75

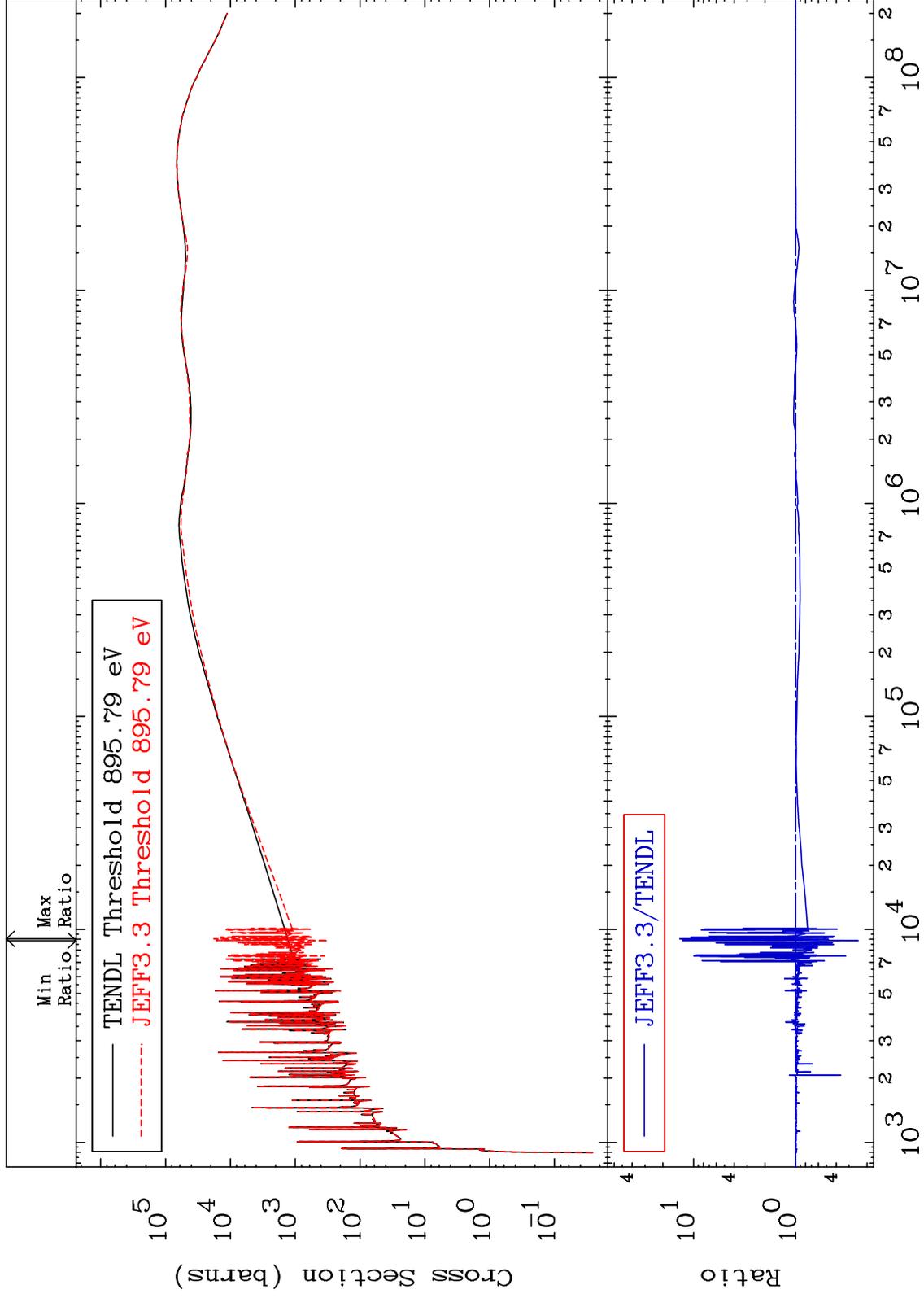
Incident Energy (eV)

41-Nb-93

MAT 4125

Dpa elastic (mt2)  
Cross Section

41-Nb-93  
-75.69 To 1261. %



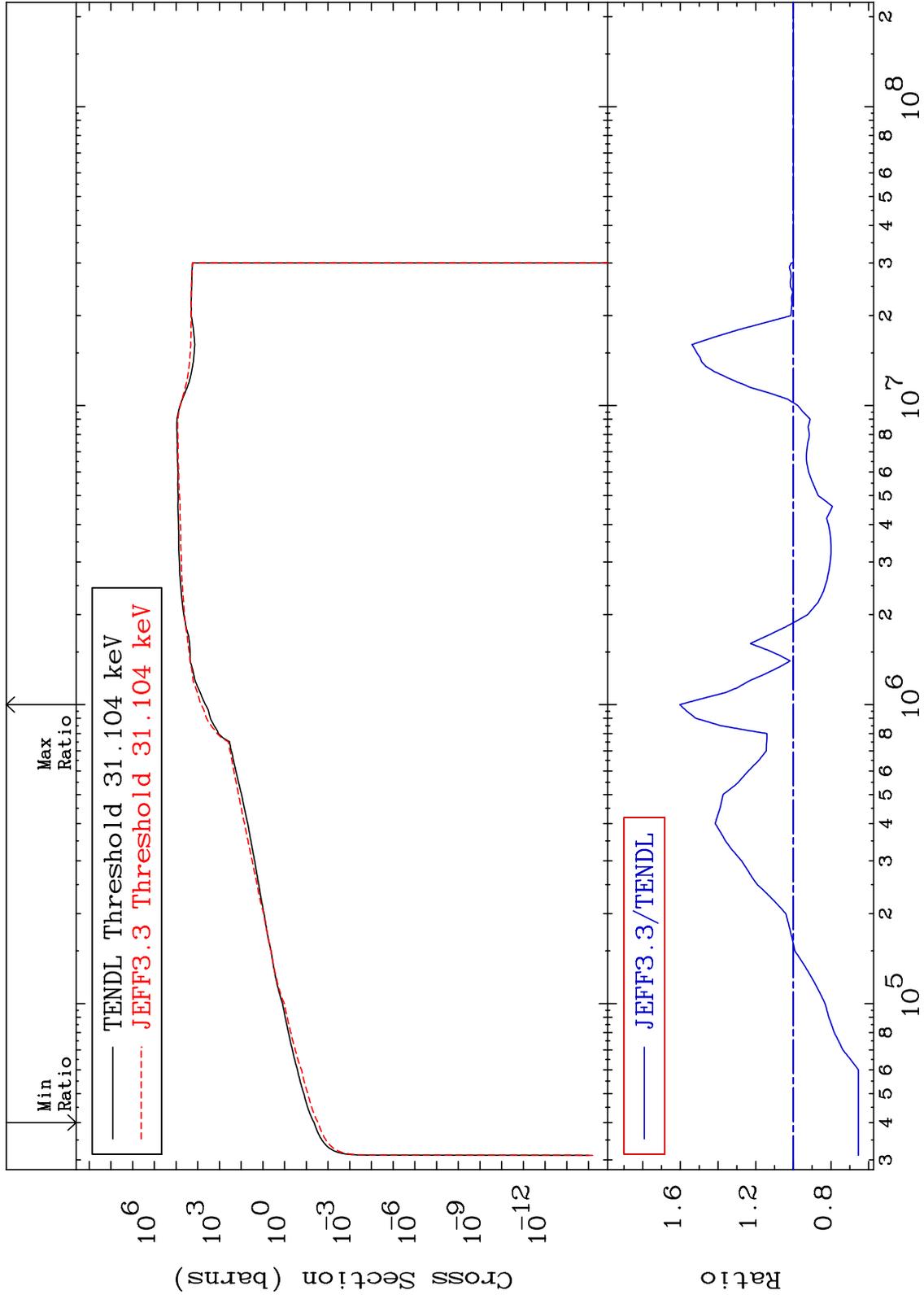
76

41-Nb-93

MAT 4125

Dpa inelastic (mt51-91)  
Cross Section

41-Nb-93  
-34.54 To 60.25 %



77

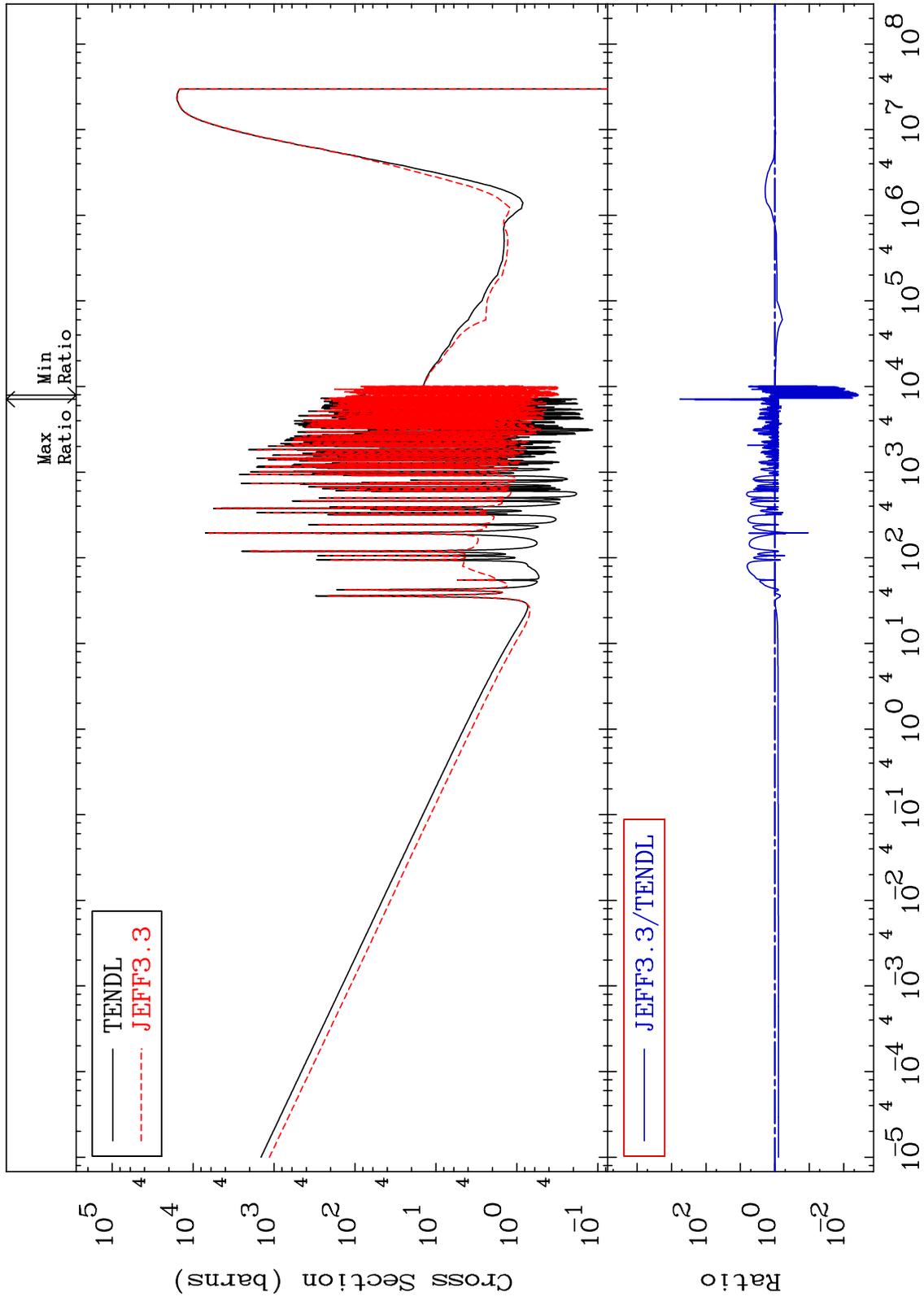
Incident Energy (eV)

41-Nb-93

MAT 4125

Dpa disappearance (mt102 -120)  
Cross Section

41-Nb-93  
-99.62 To 9999. %



78

Incident Energy (eV)

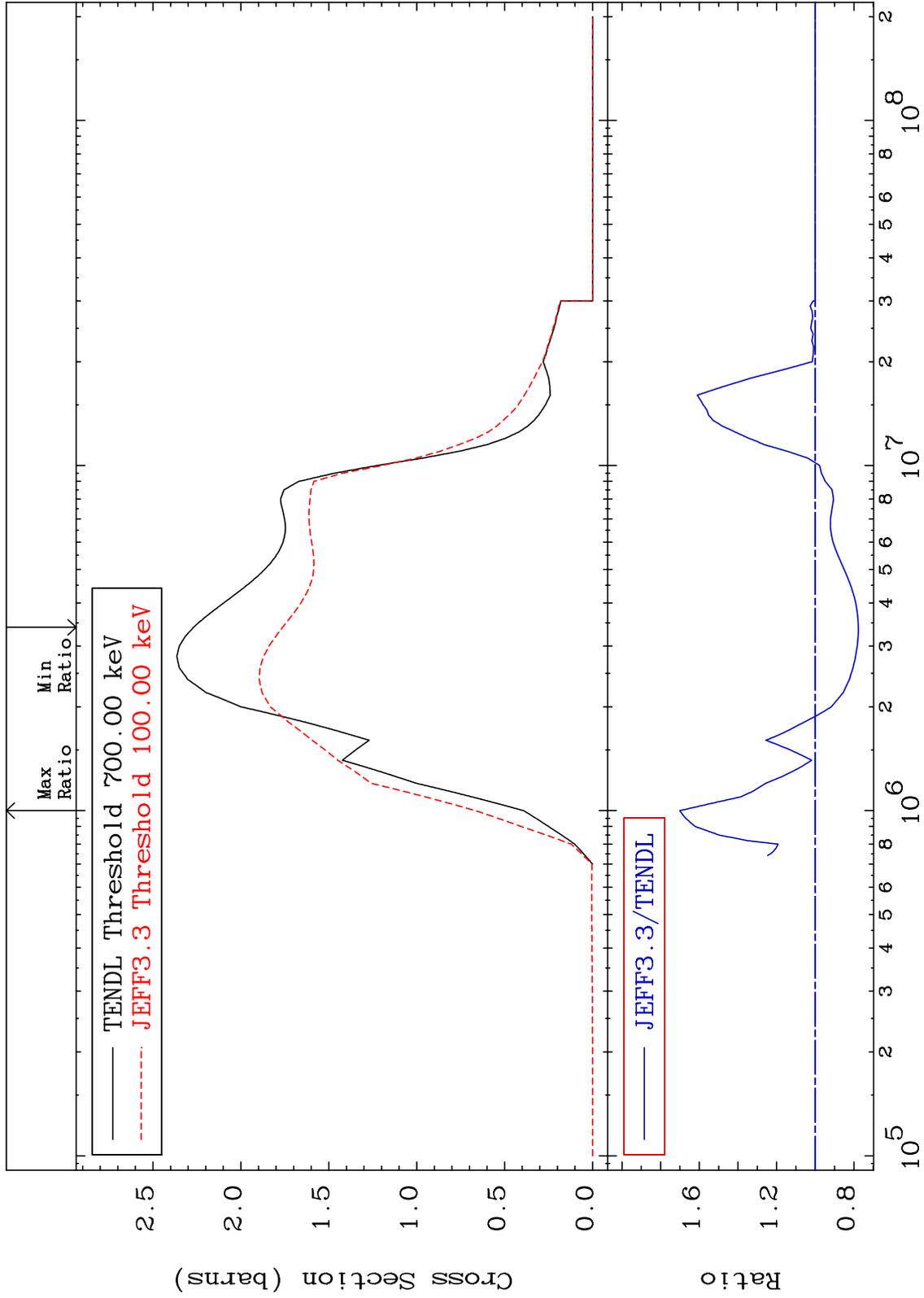
41-Nb-93

MAT 4125

41-Nb-93

Inelastic: 41-Nb-93g

Radionuclide Production Cross Section -22.33 To 70.01 %



79

Incident Energy (eV)

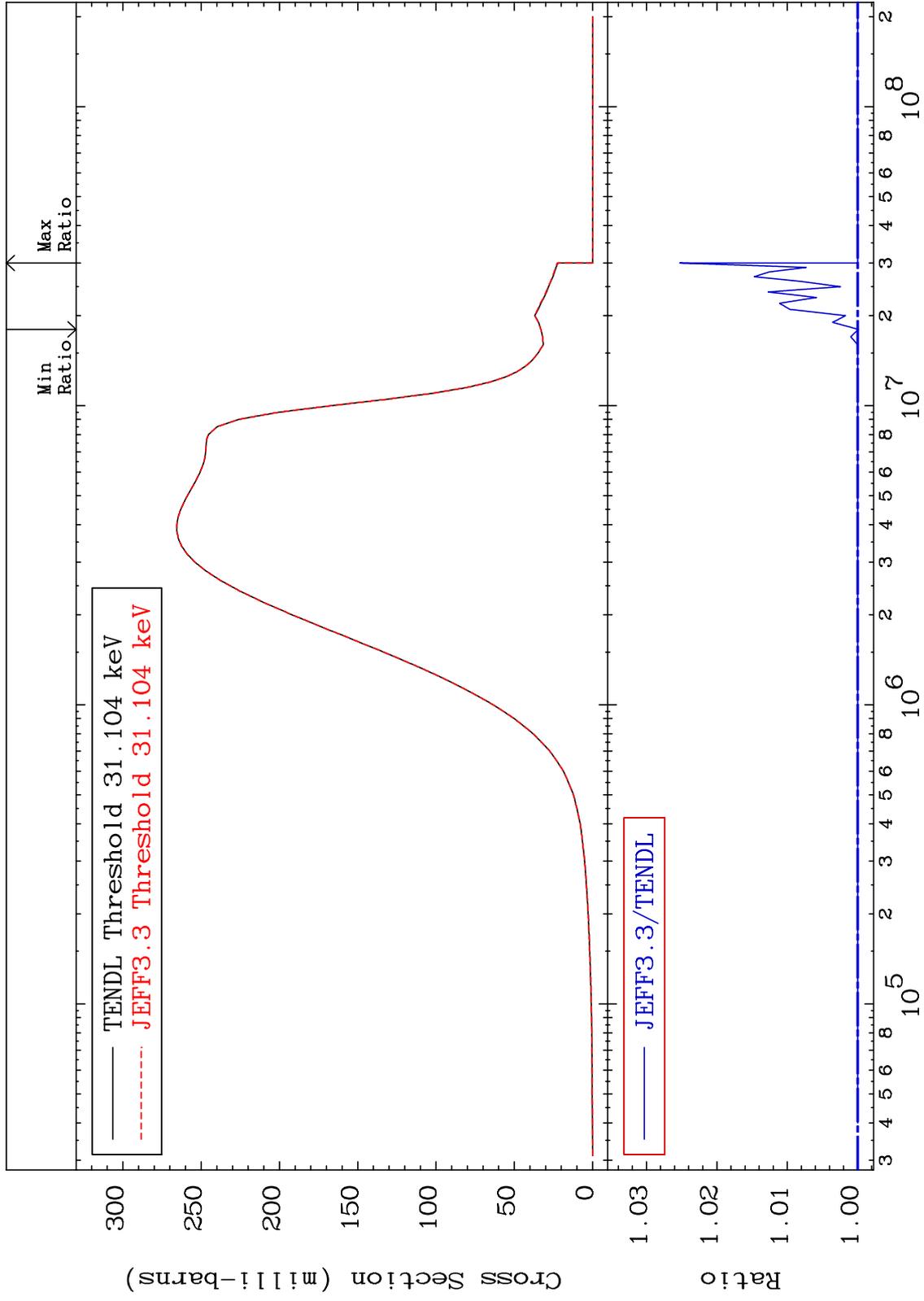
41-Nb-93

MAT 4125

Inelastic: 41-Nb-93m1

41-Nb-93

Radionuclide Production Cross Section -0.011 To 2.525 %



80

Incident Energy (eV)

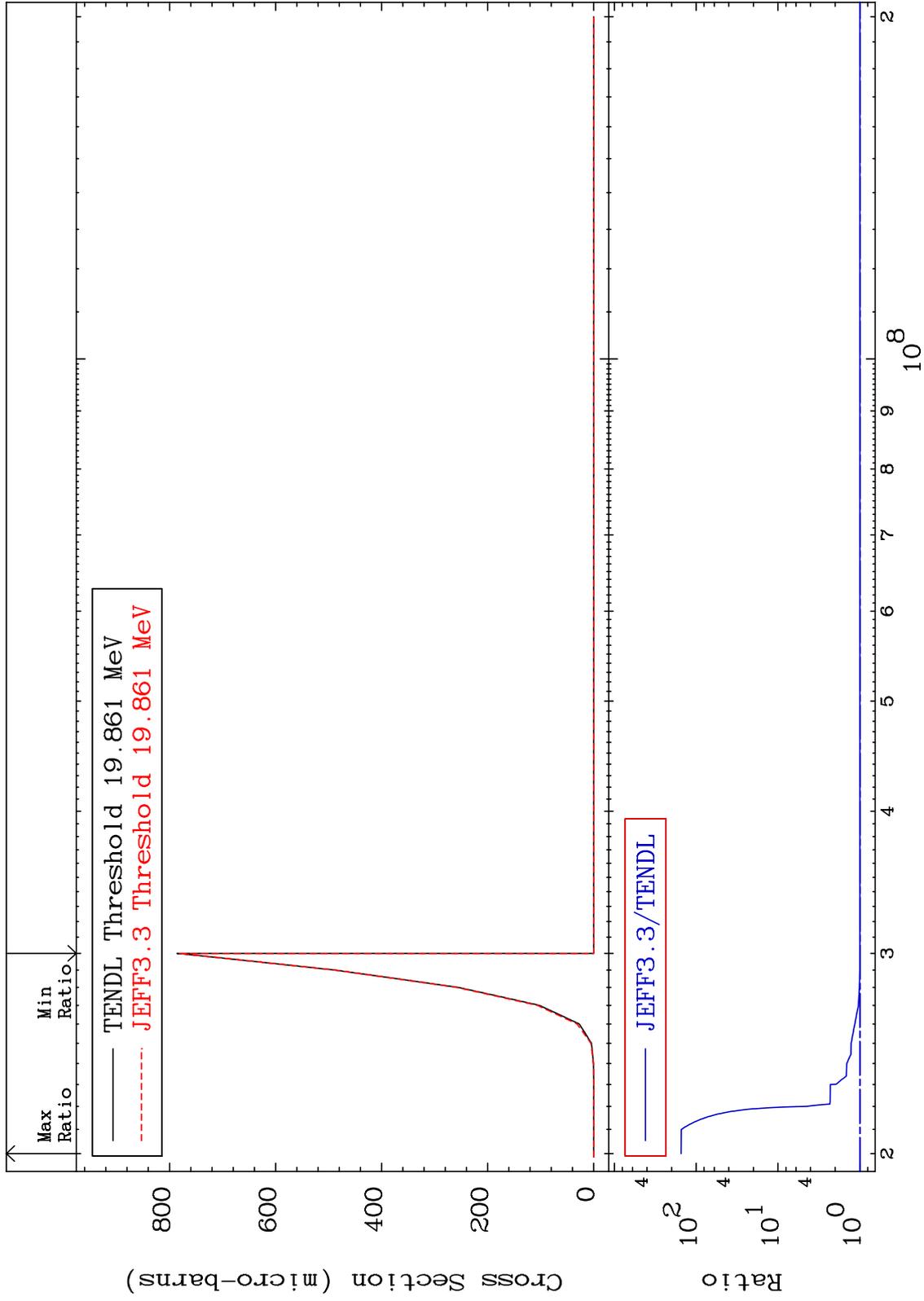
41-Nb-93

MAT 4125

(n,2n) d: 40-Zr-90g

41-Nb-93

Radionuclide Production Cross Section -0.369 To 9999. %

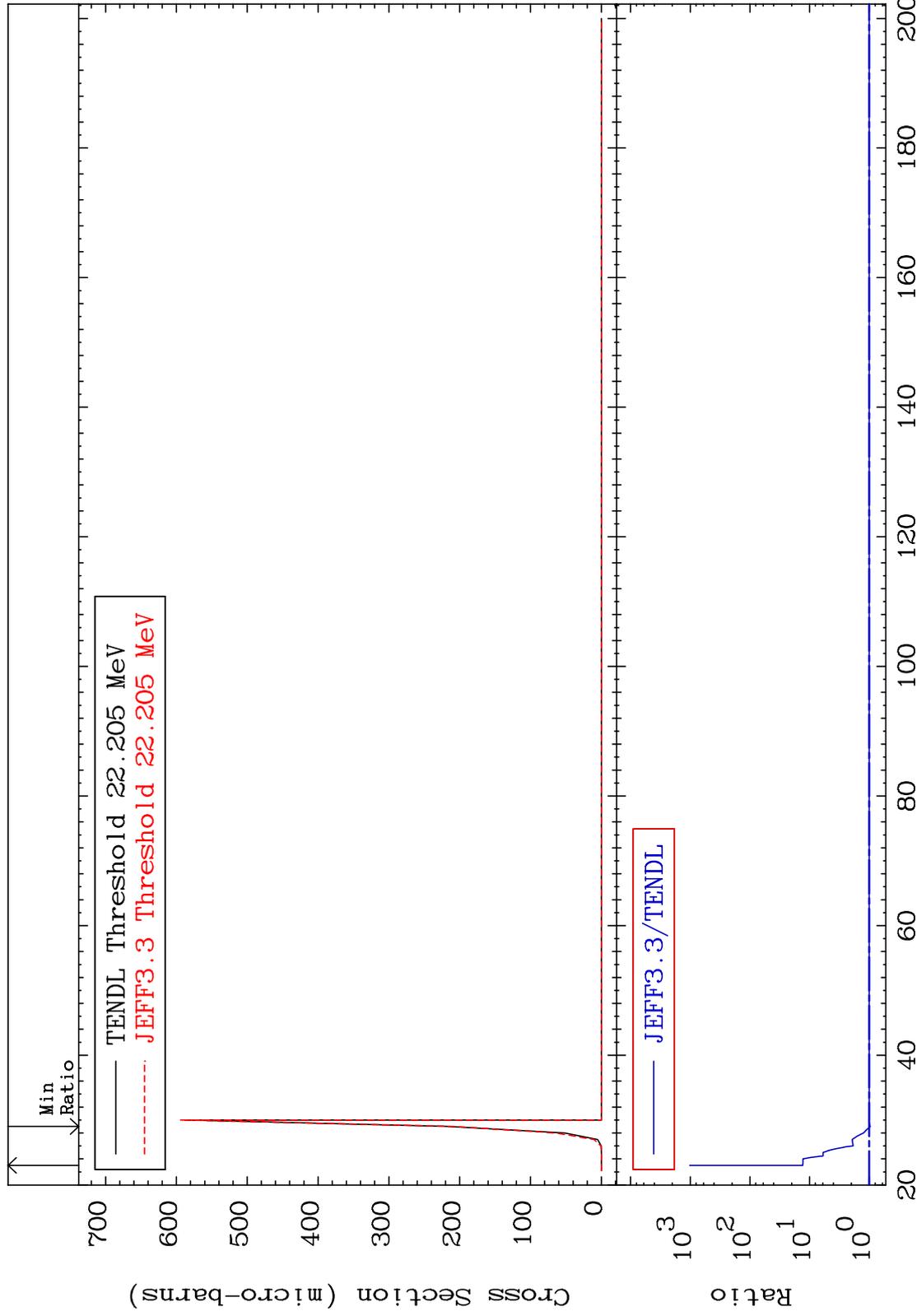


MAT 4125

(n,2n) d:40-Zr-90m3

41-Nb-93

Radionuclide Production Cross Section -4.000 To 9999. %



82

Incident Energy (MeV)

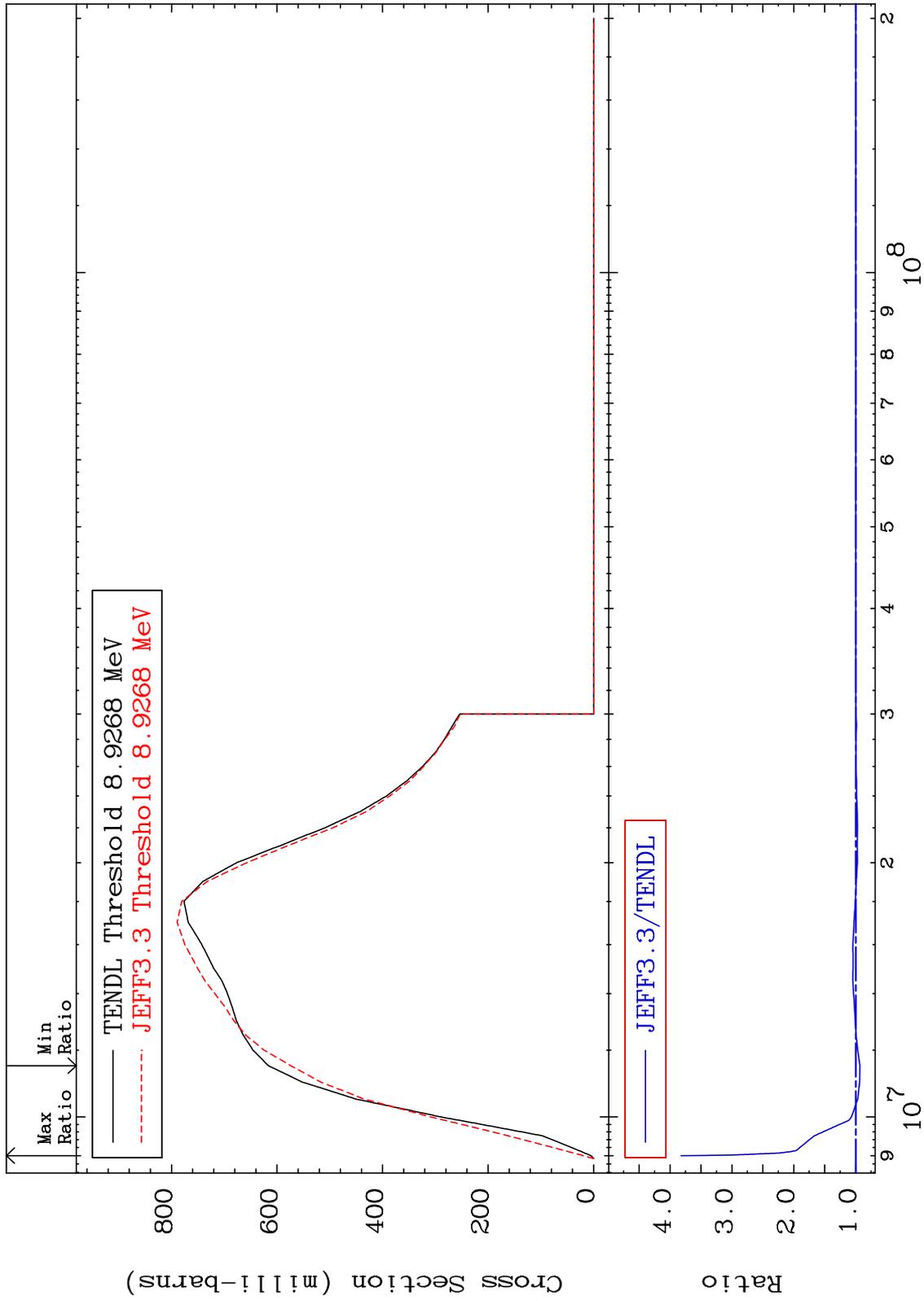
41-Nb-93

MAT 4125

(n,2n) : 41-Nb-92g

41-Nb-93

Radionuclide Production Cross Section -6.892 To 282.1 %



83

Incident Energy (eV)

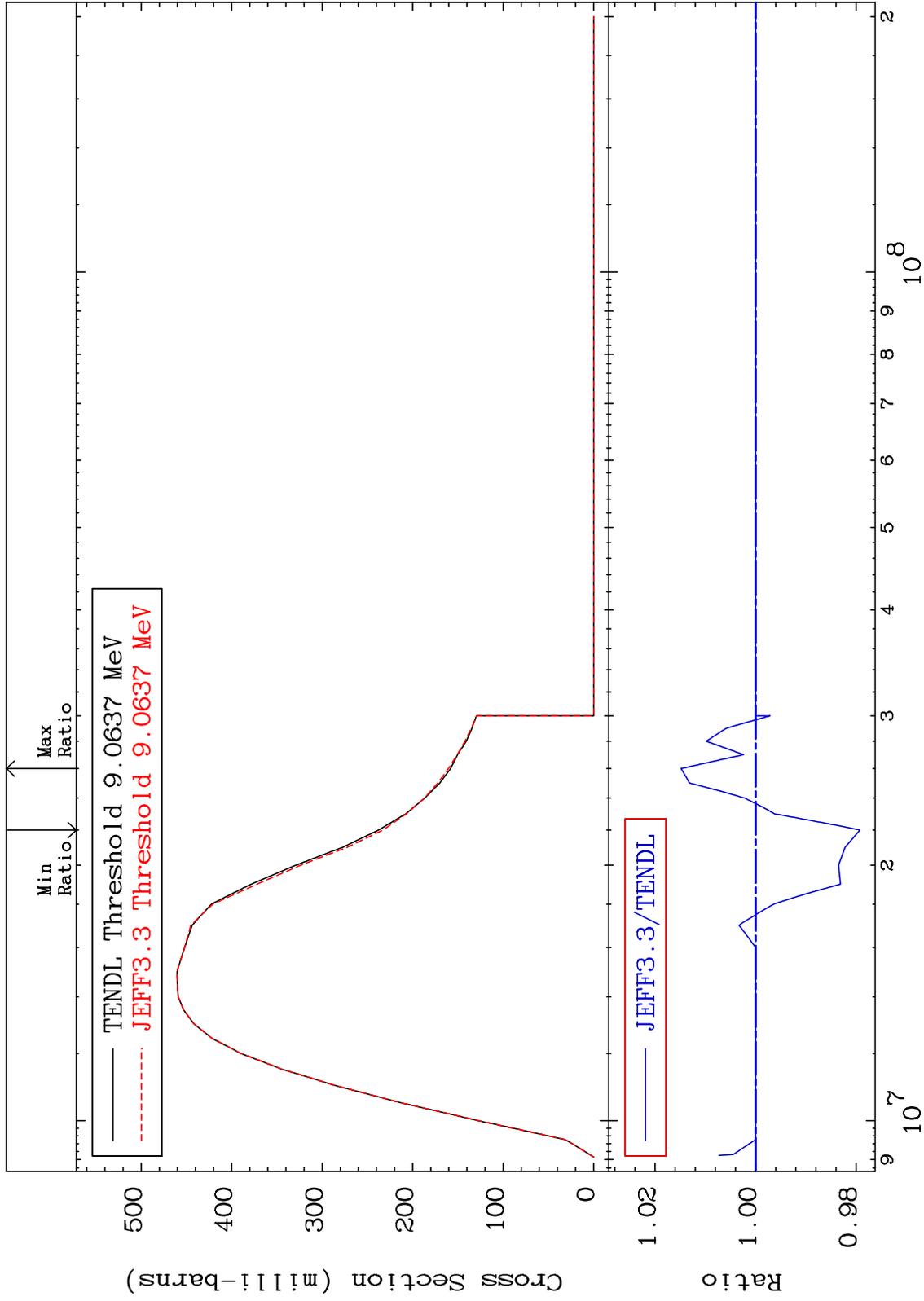
41-Nb-93

MAT 4125

(n,2n):41-Nb-92m1

41-Nb-93

Radionuclide Production Cross Section -2.075 To 1.481 %



84

Incident Energy (eV)

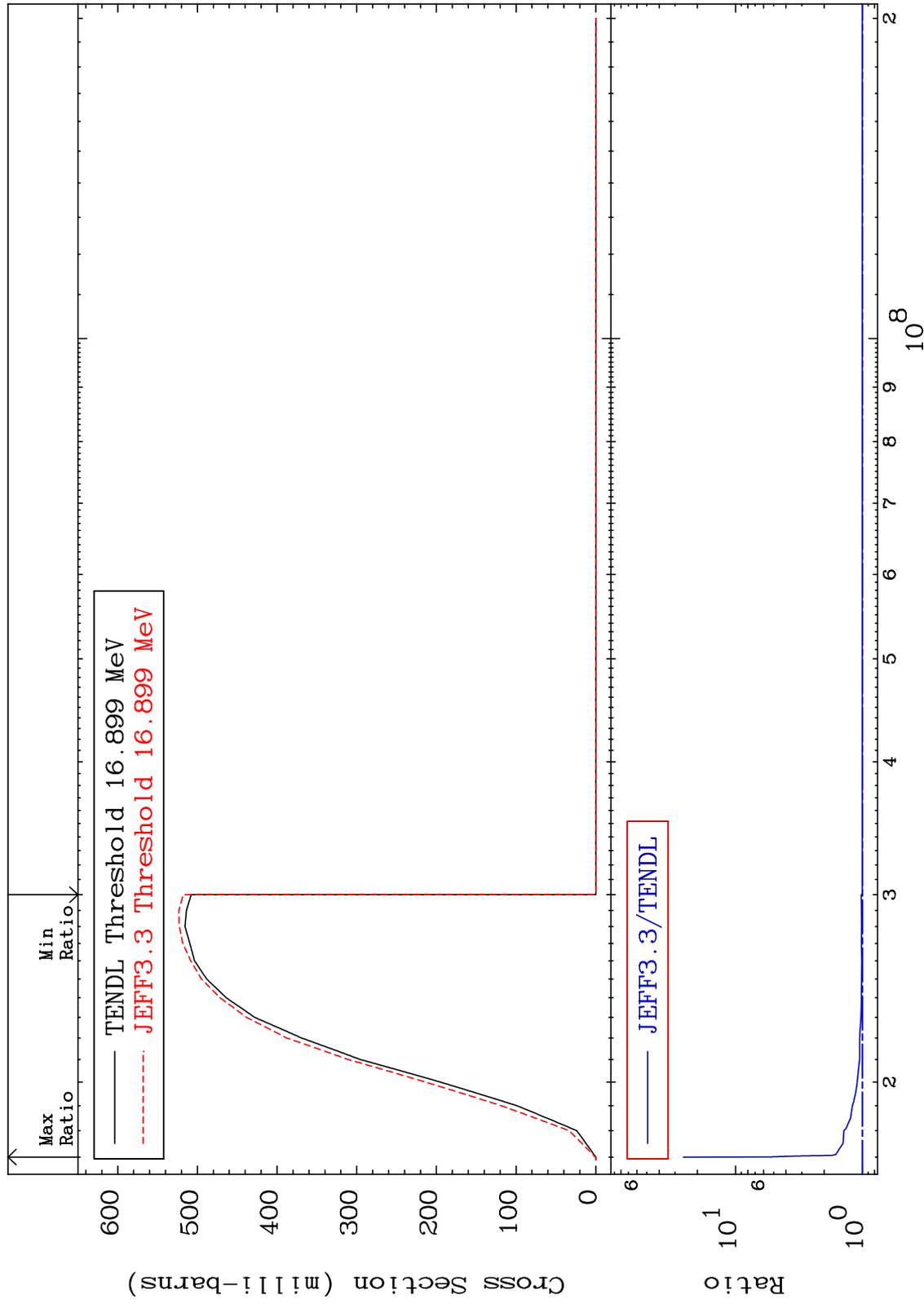
41-Nb-93

MAT 4125

(n,3n): 41-Nb-91g

41-Nb-93

Radionuclide Production Cross Section 0.000 To 2477. %



85

Incident Energy (eV)

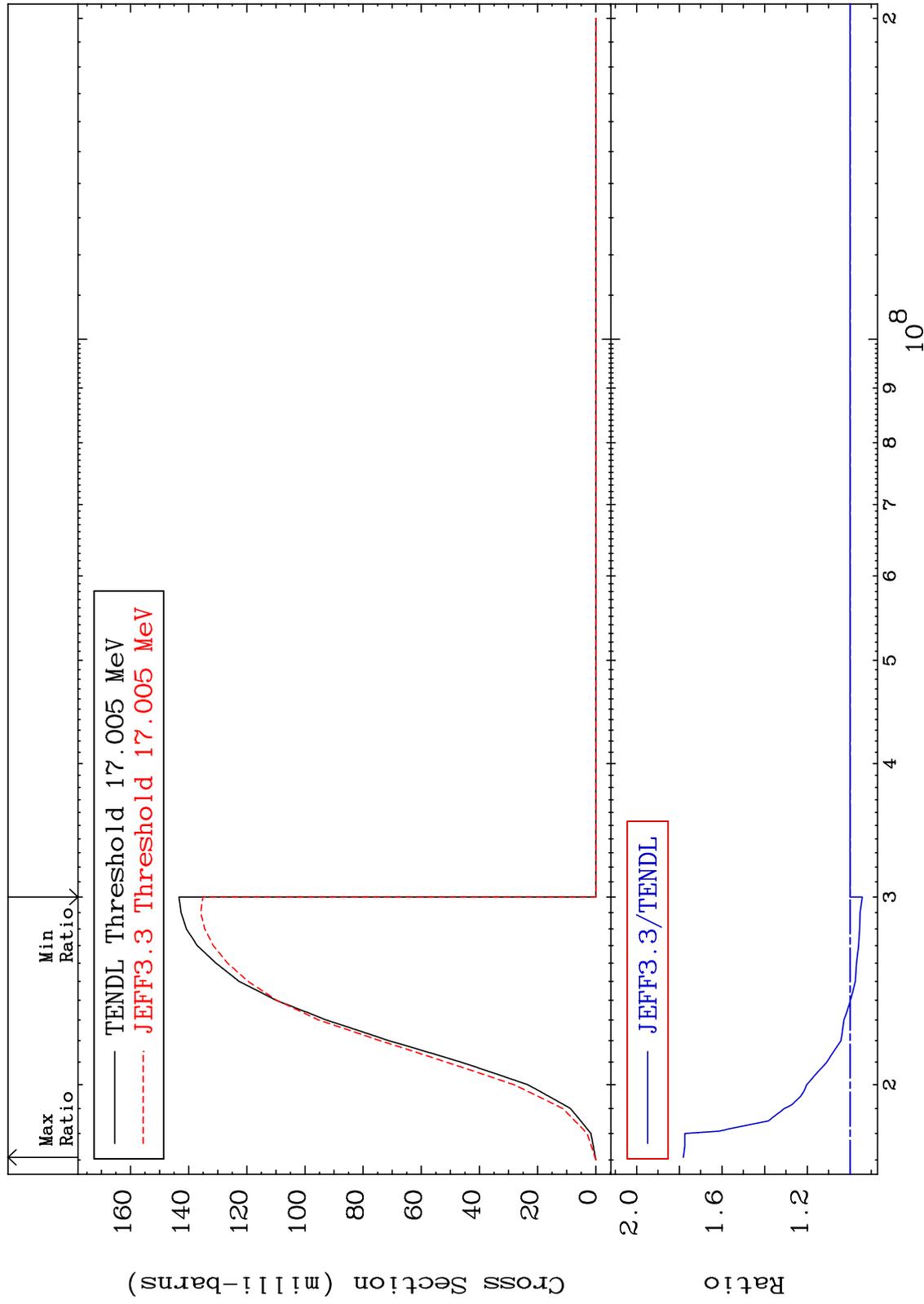
41-Nb-93

MAT 4125

(n,3n):41-Nb-91m1

41-Nb-93

Radionuclide Production Cross Section -5.768 To 78.09 %

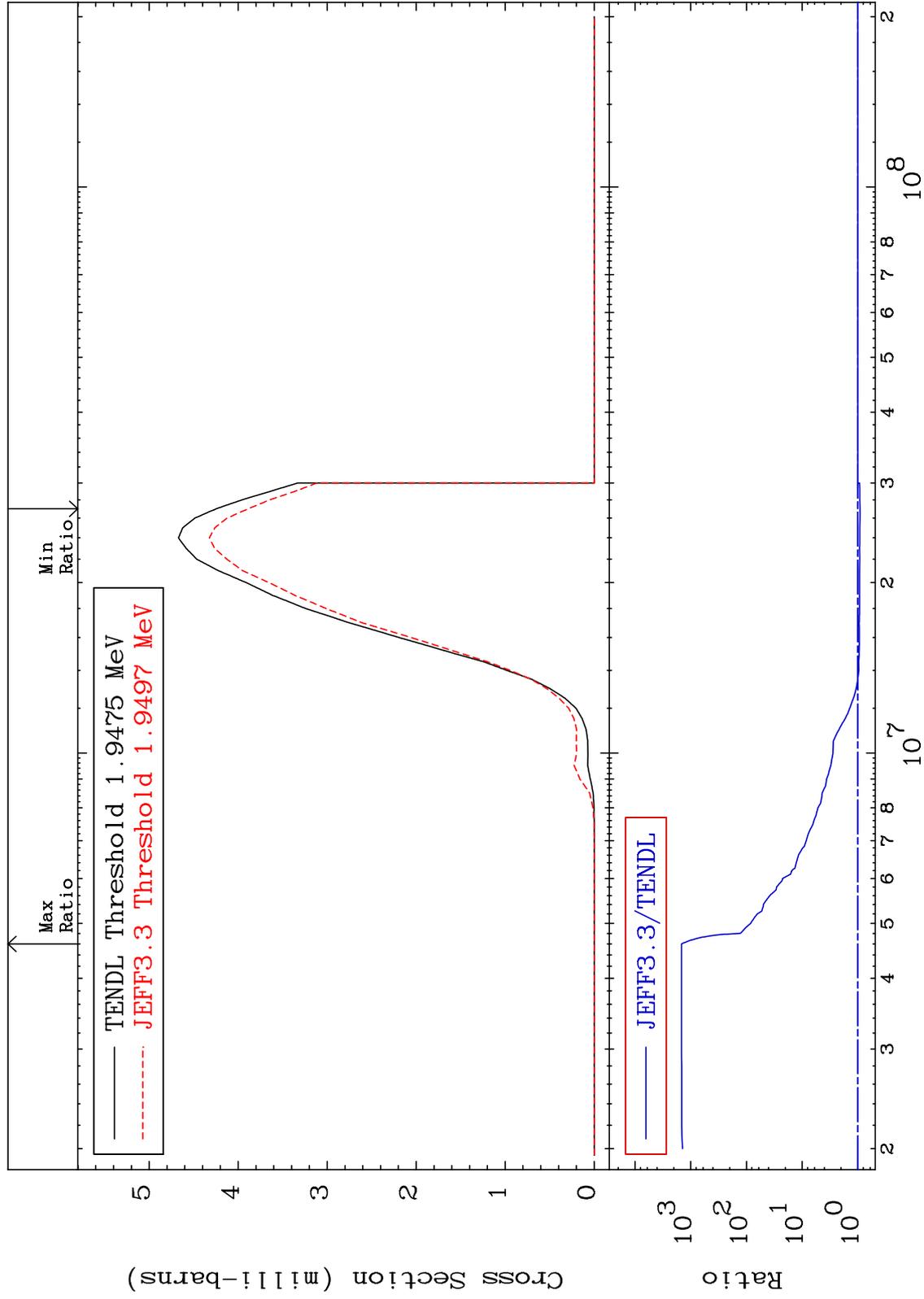


MAT 4125

(n, n')  $\alpha$ : 39-Y -89g

41-Nb-93

Radionuclide Production Cross Section -8.504 To 9999. %



87

Incident Energy (eV)

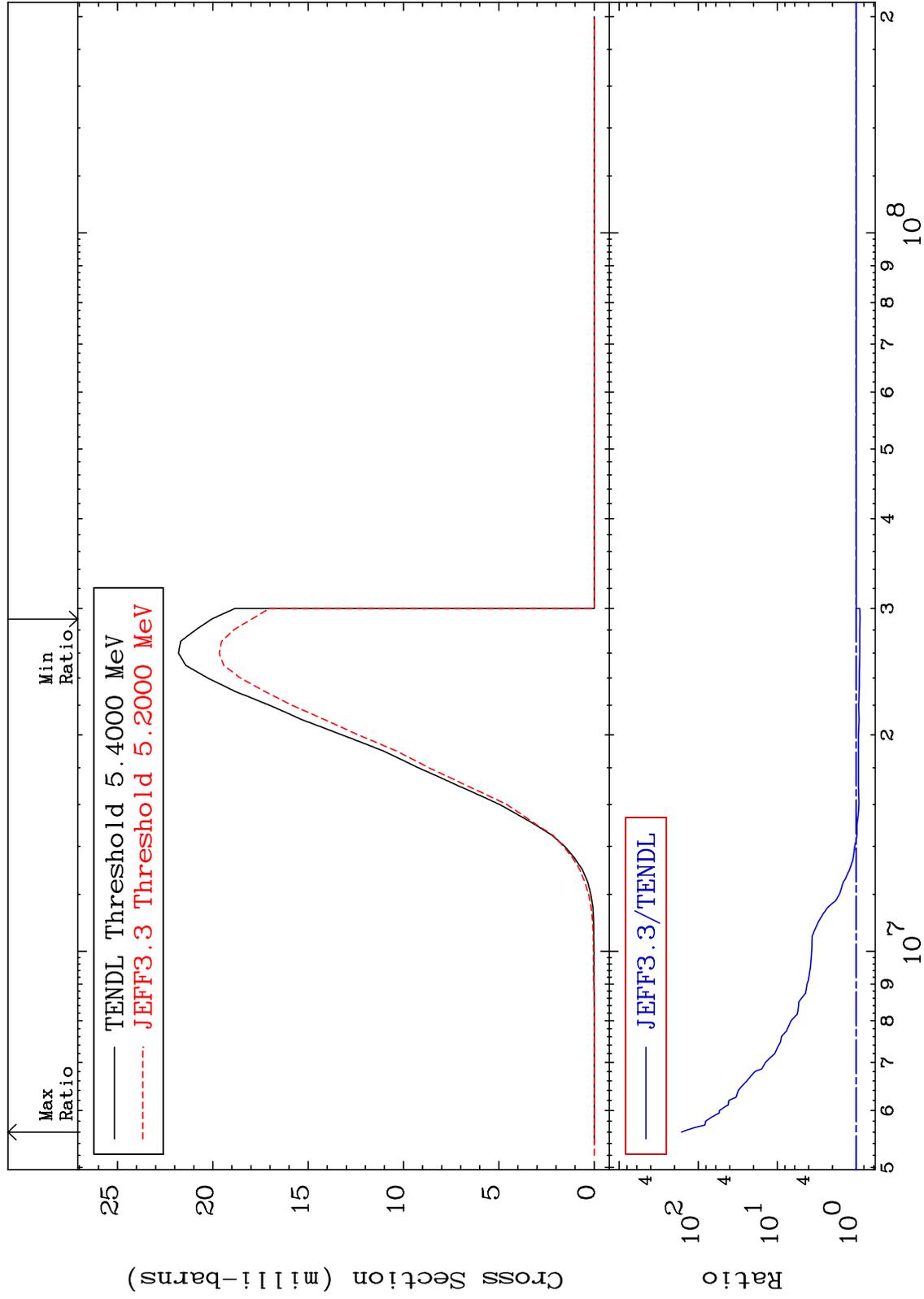
41-Nb-93

MAT 4125

(n, n')  $\alpha$ :39-Y -89m1

41-Nb-93

Radionuclide Production Cross Section -10.47 To 9999. %

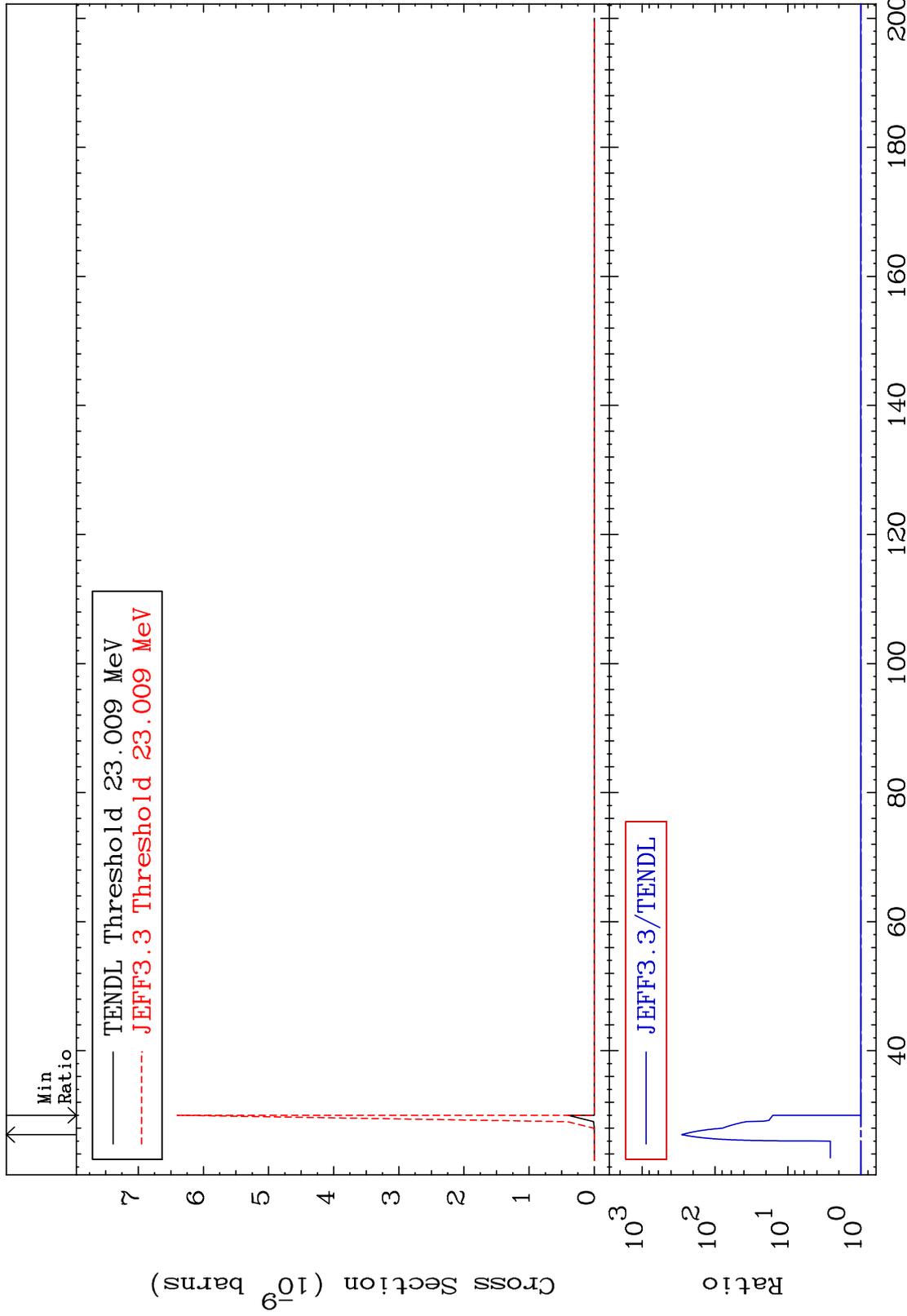


MAT 4125

(n,3n)  $\alpha$ :39-Y -87g

41-Nb-93

Radionuclide Production Cross Section 0.000 To 9999. %

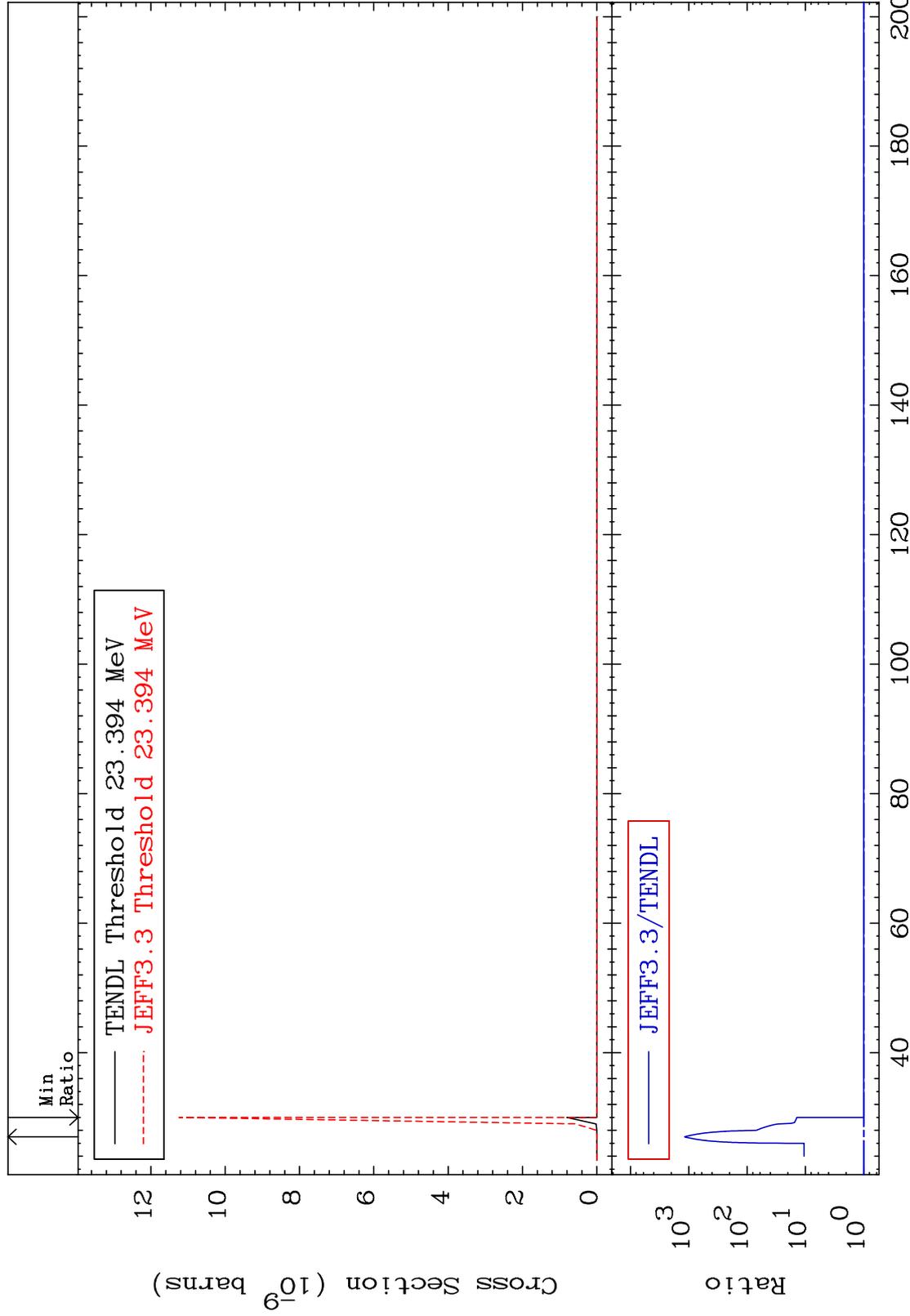


MAT 4125

(n,3n)  $\alpha$ :39-Y -87m1

41-Nb-93

Radionuclide Production Cross Section 0.000 To 9999. %



90

Incident Energy (MeV)

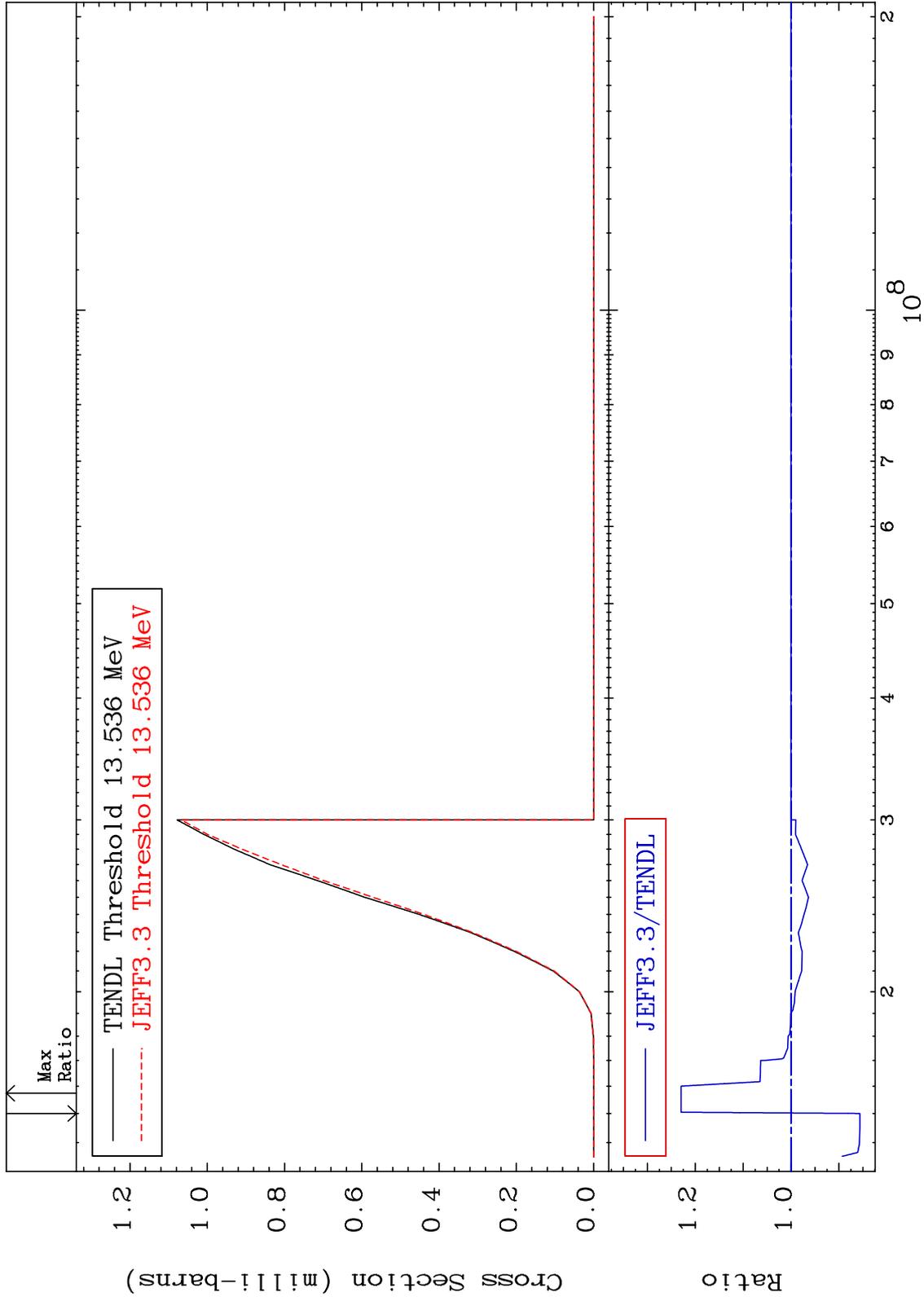
41-Nb-93

MAT 4125

(n, n') t: 40-Zr-90g

41-Nb-93

Radionuclide Production Cross Section -14.37 To 22.95 %

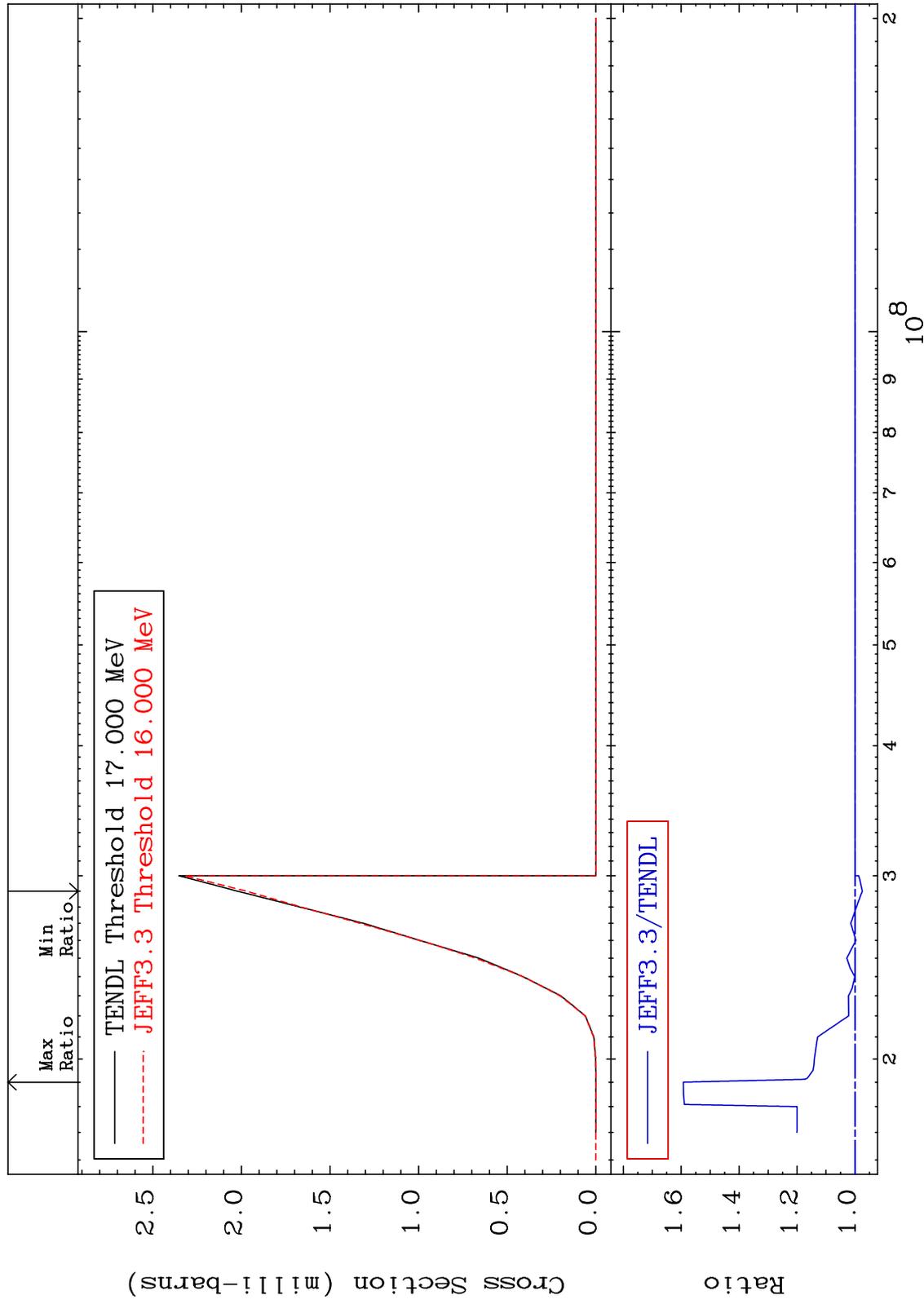


MAT 4125

(n, n') t:40-Zr-90m3

41-Nb-93

Radionuclide Production Cross Section -2.518 To 59.26 %

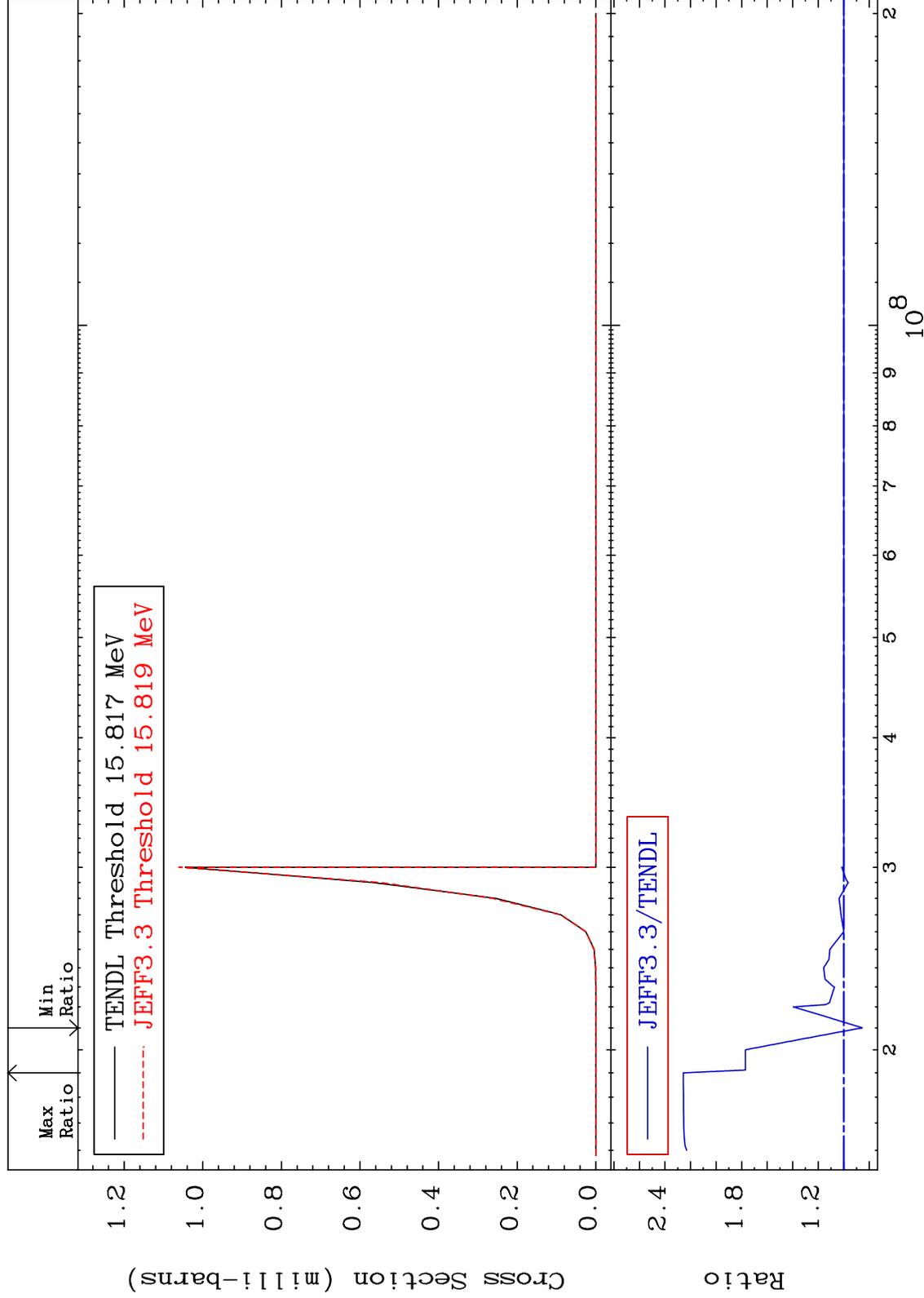


MAT 4125

(n, n') He-3:39-Y -90g

41-Nb-93

Radionuclide Production Cross Section -14.49 To 125.6 %



93

Incident Energy (eV)

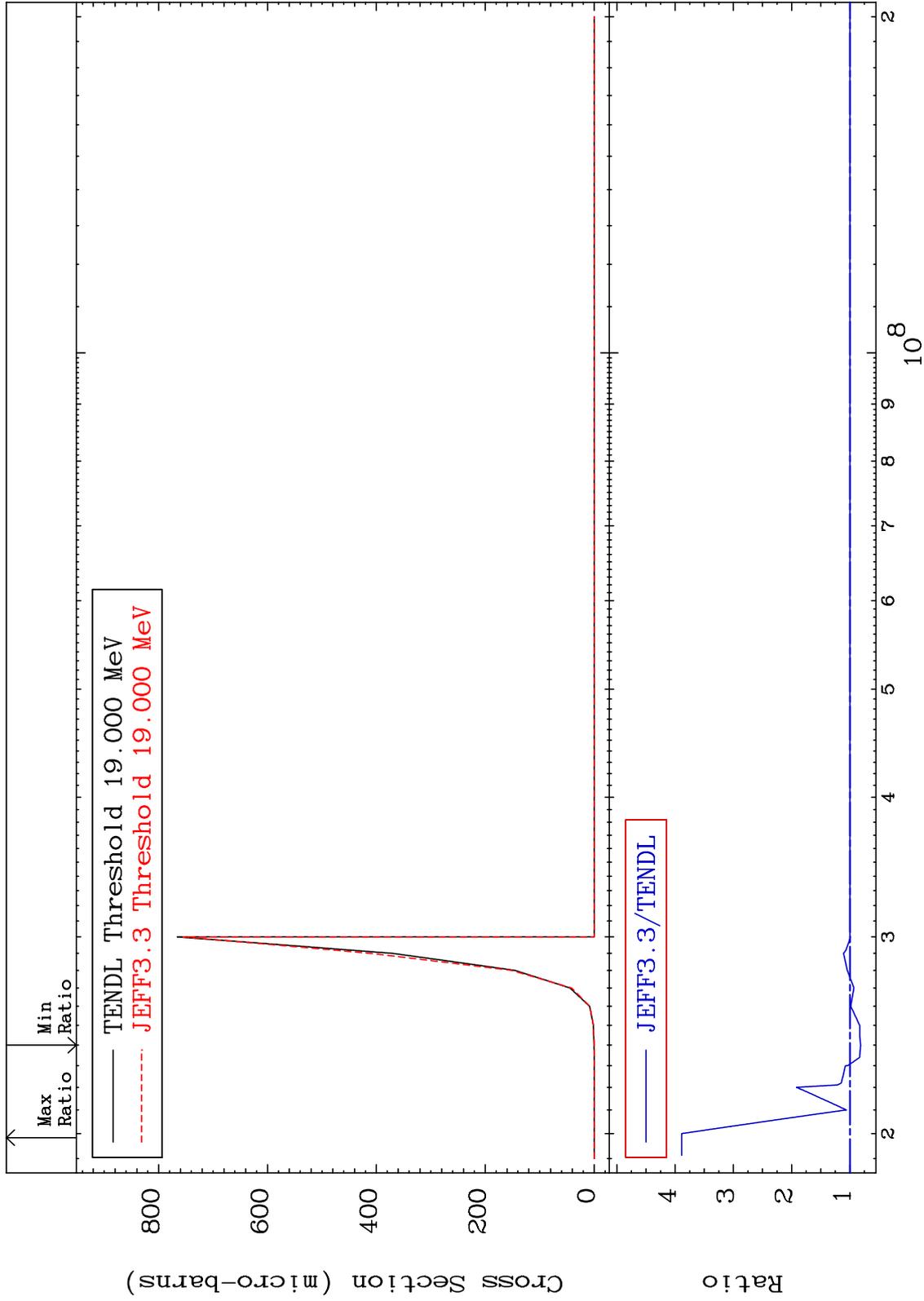
41-Nb-93

MAT 4125

(n, n') He-3:39-Y -90m2

41-Nb-93

Radionuclide Production Cross Section -18.57 To 288.6 %

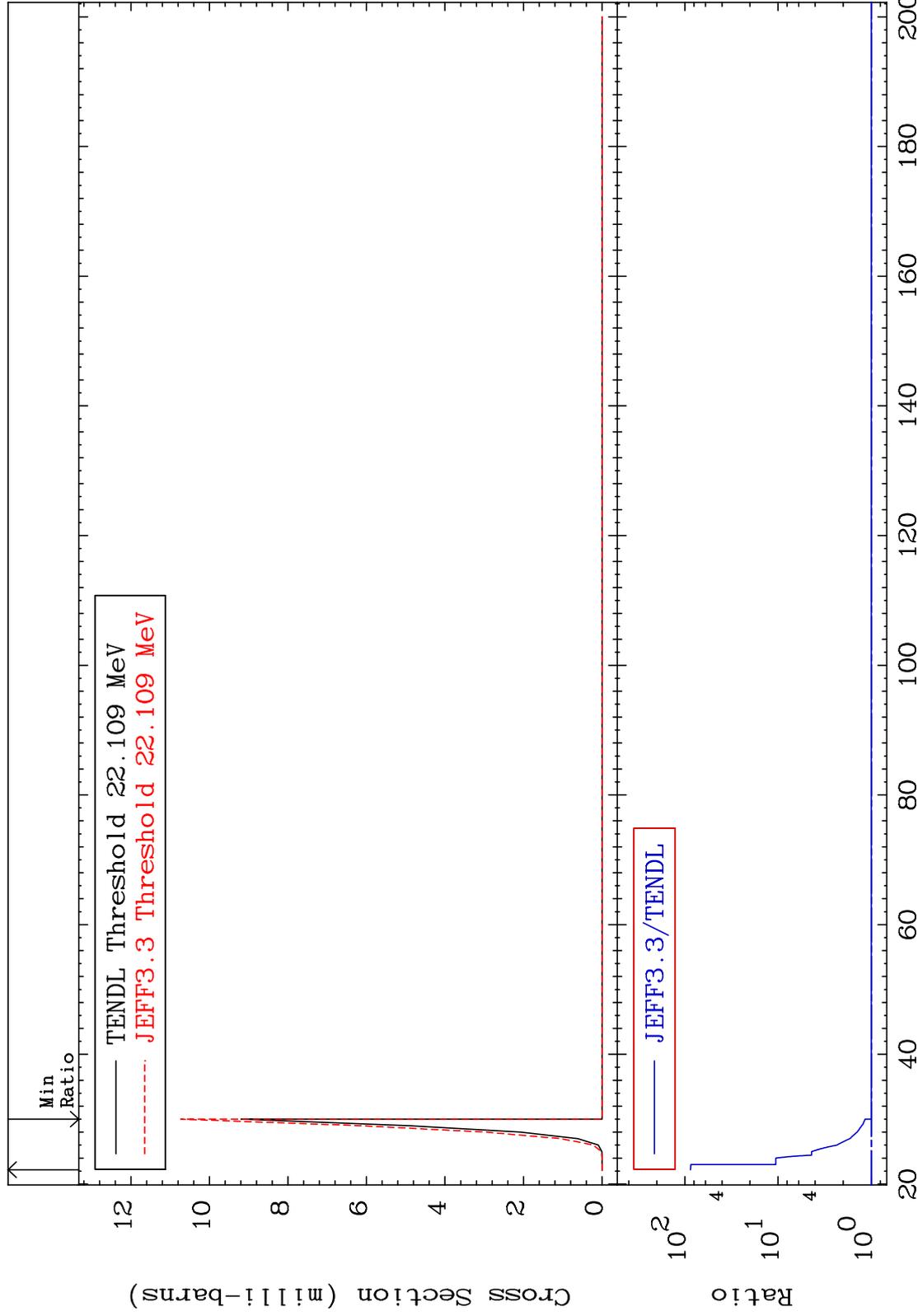


MAT 4125

(n,3n) p: 40-Zr-90g

41-Nb-93

Radionuclide Production Cross Section 0.000 To 8595. %



95

Incident Energy (MeV)

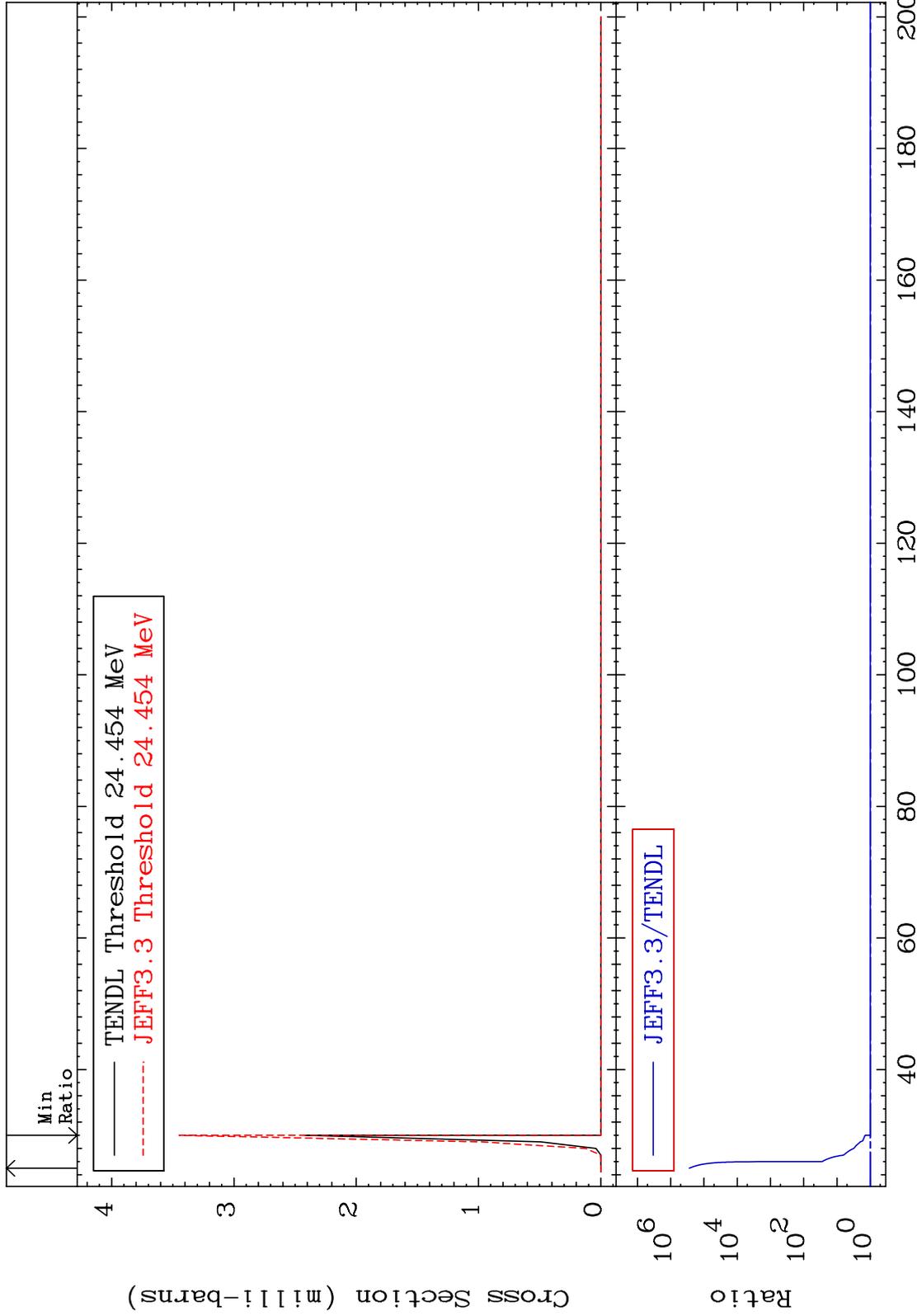
41-Nb-93

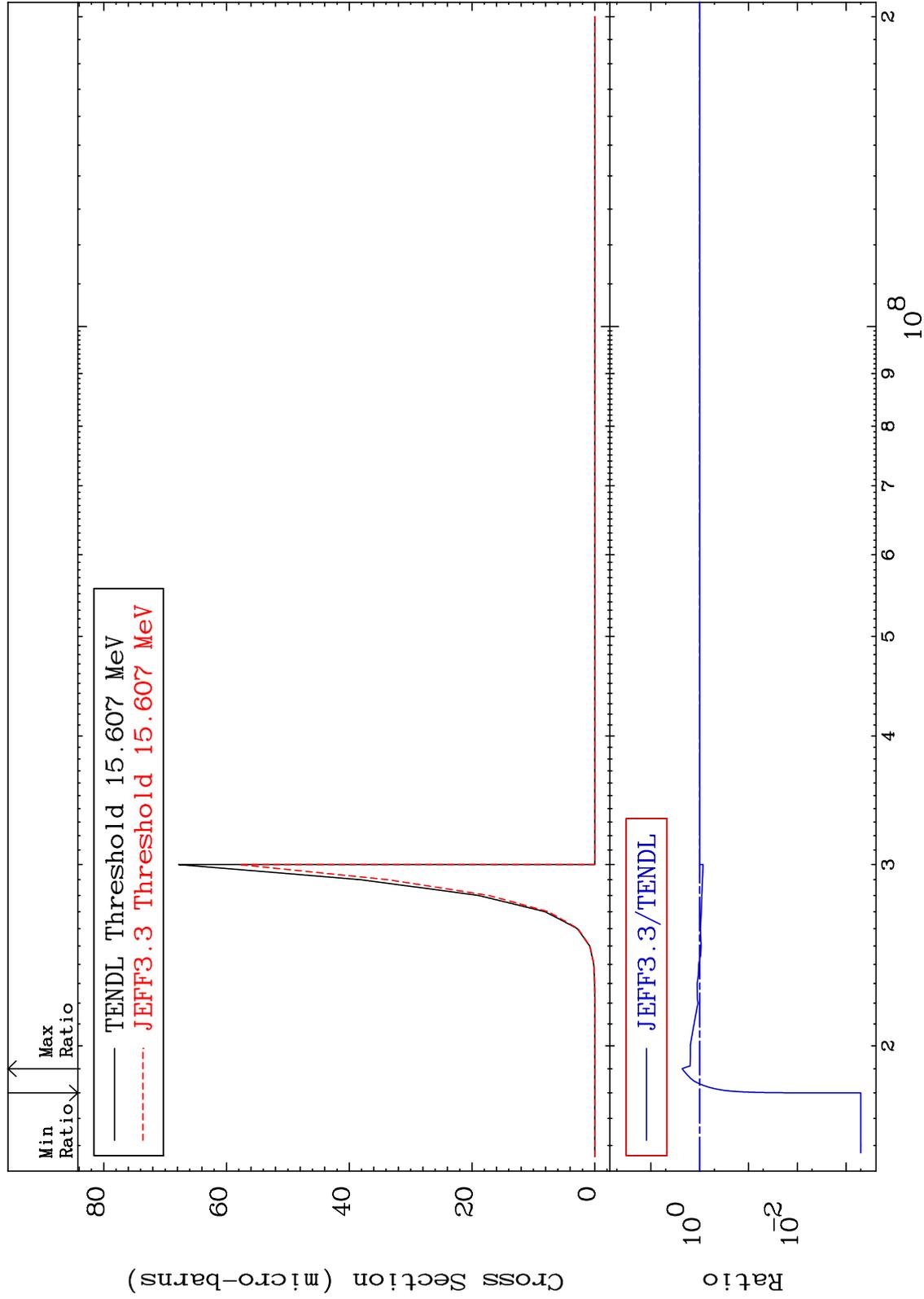
MAT 4125

(n,3n) p:40-Zr-90m3

41-Nb-93

Radionuclide Production Cross Section 0.000 To 9999. %



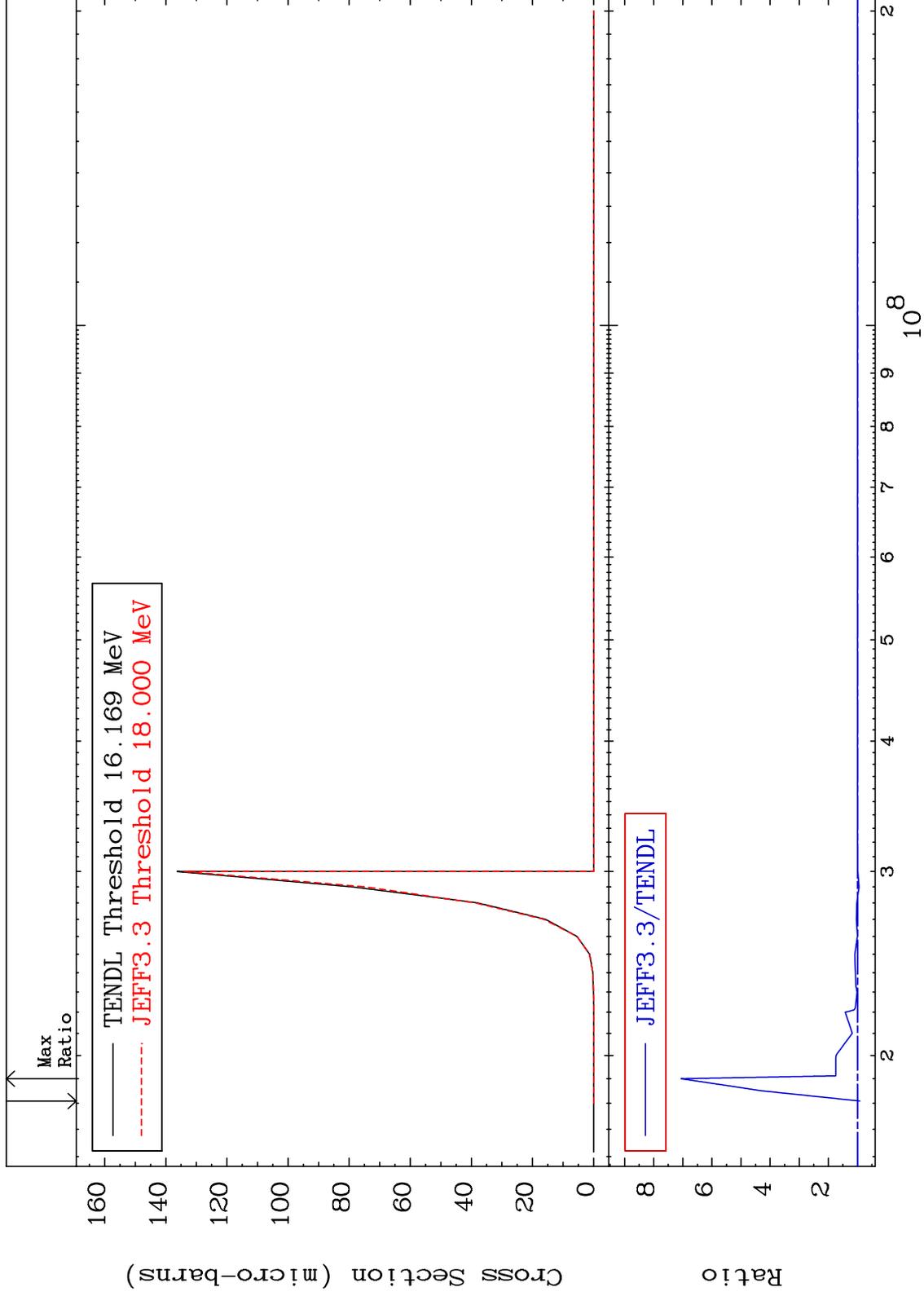


MAT 4125

(n,2n) p:39-Y -91m1

41-Nb-93

Radionuclide Production Cross Section -8.576 To 605.8 %



98

Incident Energy (eV)

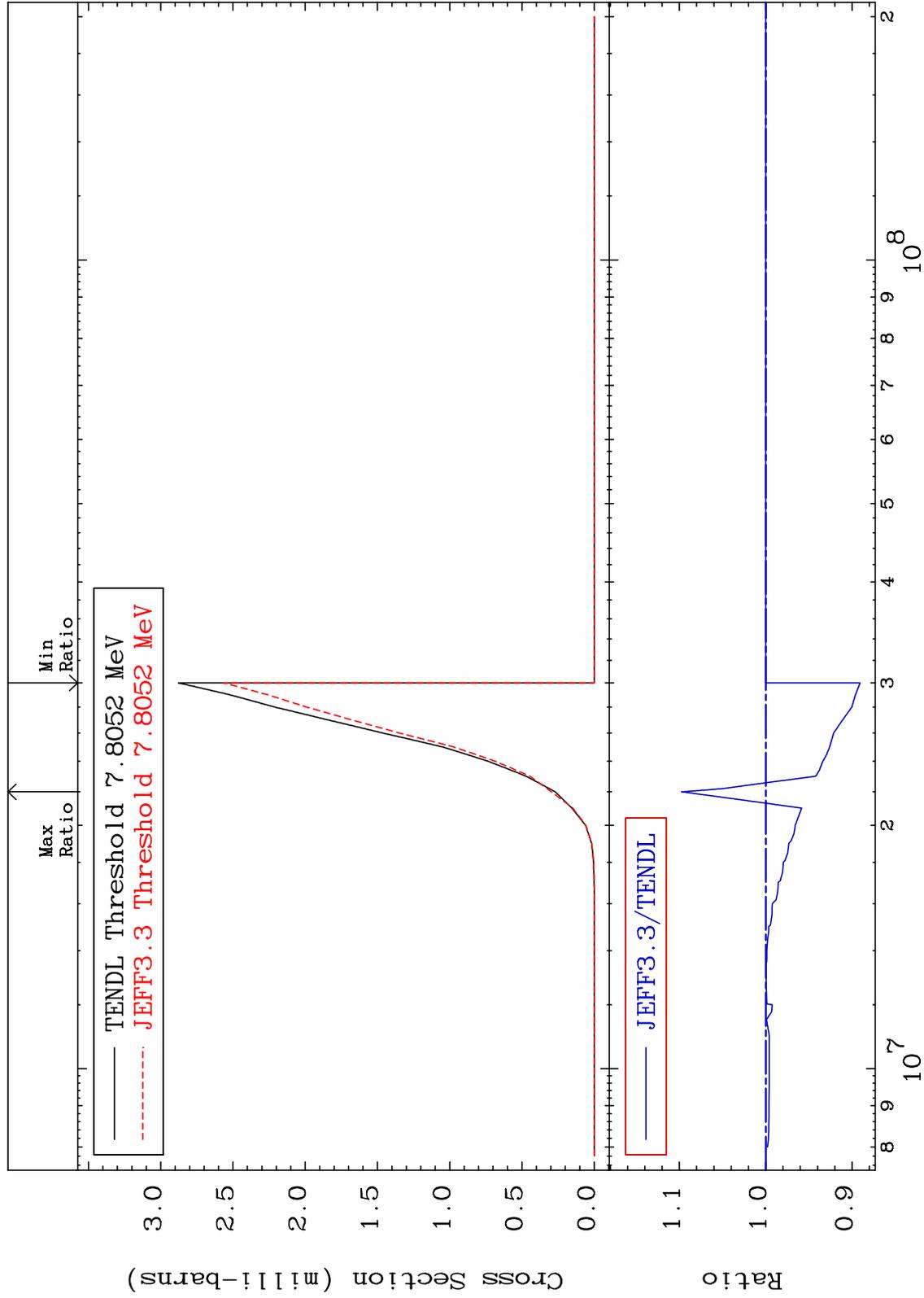
41-Nb-93

MAT 4125

(n, He-3) : 39-Y -91g

41-Nb-93

Radionuclide Production Cross Section -10.92 To 9.748 %



99

Incident Energy (eV)

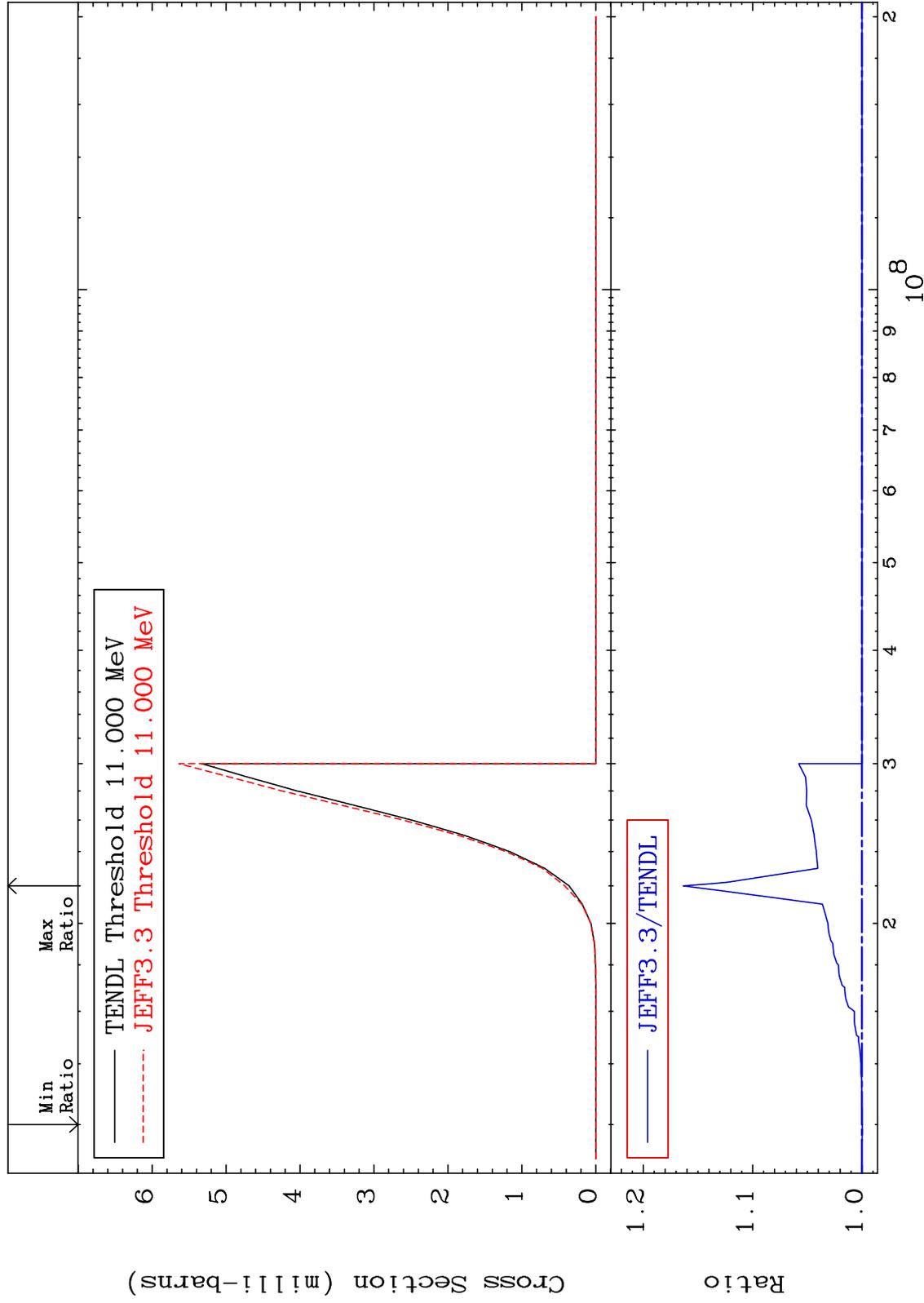
41-Nb-93

MAT 4125

(n,He-3):39-Y -91m1

41-Nb-93

Radionuclide Production Cross Section -0.031 To 16.33 %



100

Incident Energy (eV)

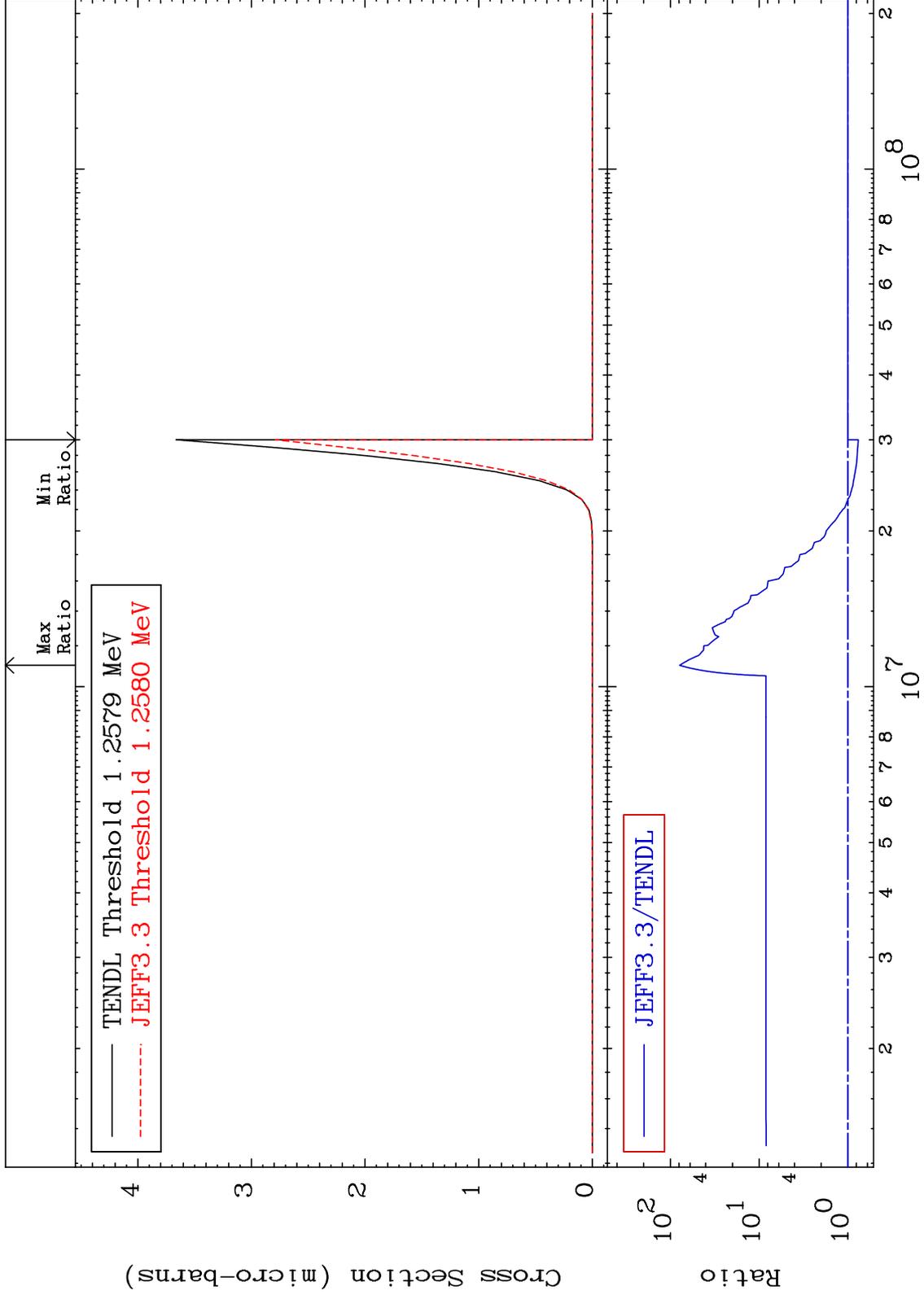
41-Nb-93

MAT 4125

(n,2α):37-Rb-86g

41-Nb-93

Radionuclide Production Cross Section -23.88 To 7756. %

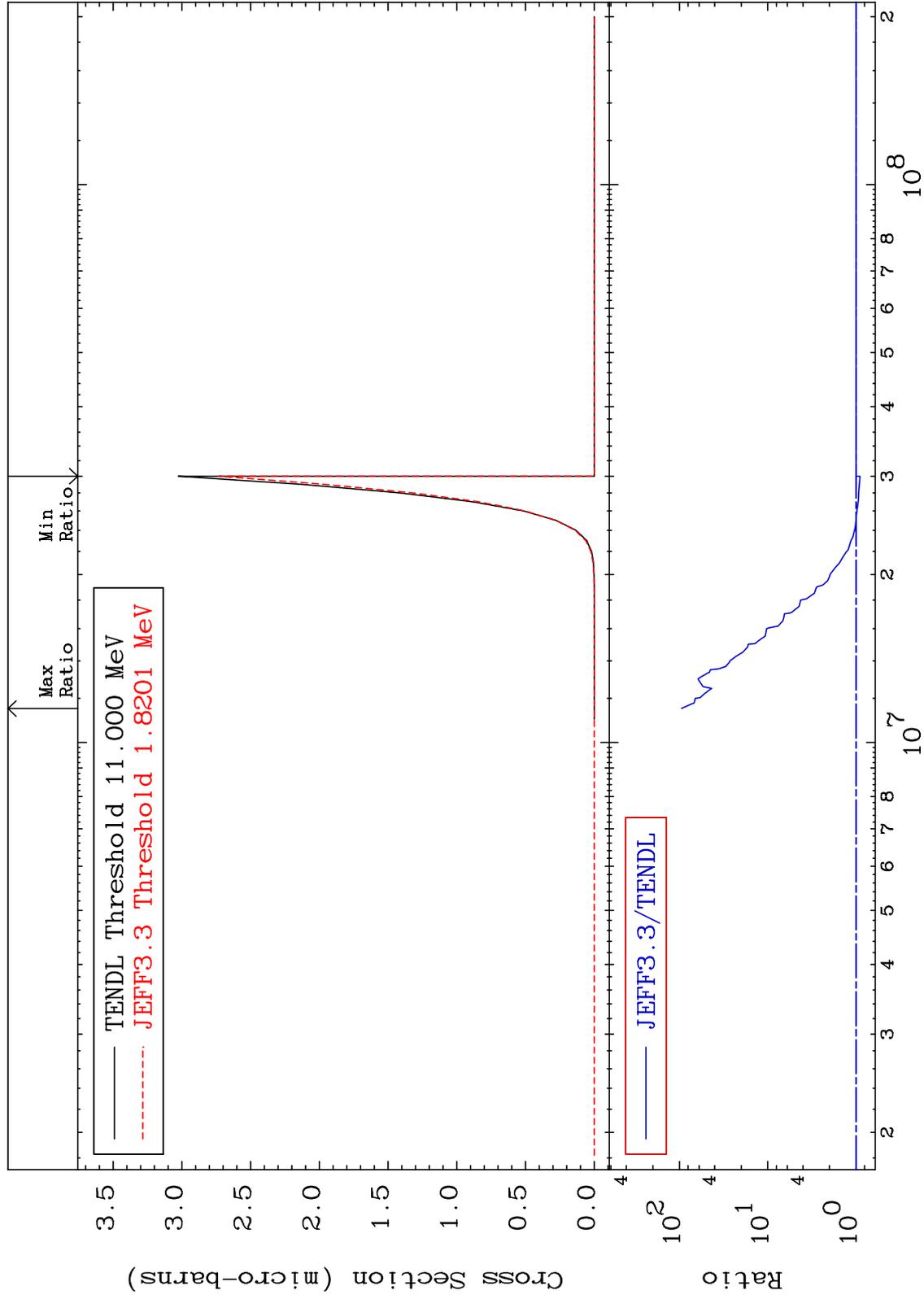


MAT 4125

(n,2α):37-Rb-86m2

41-Nb-93

Radionuclide Production Cross Section -9.757 To 9372. %

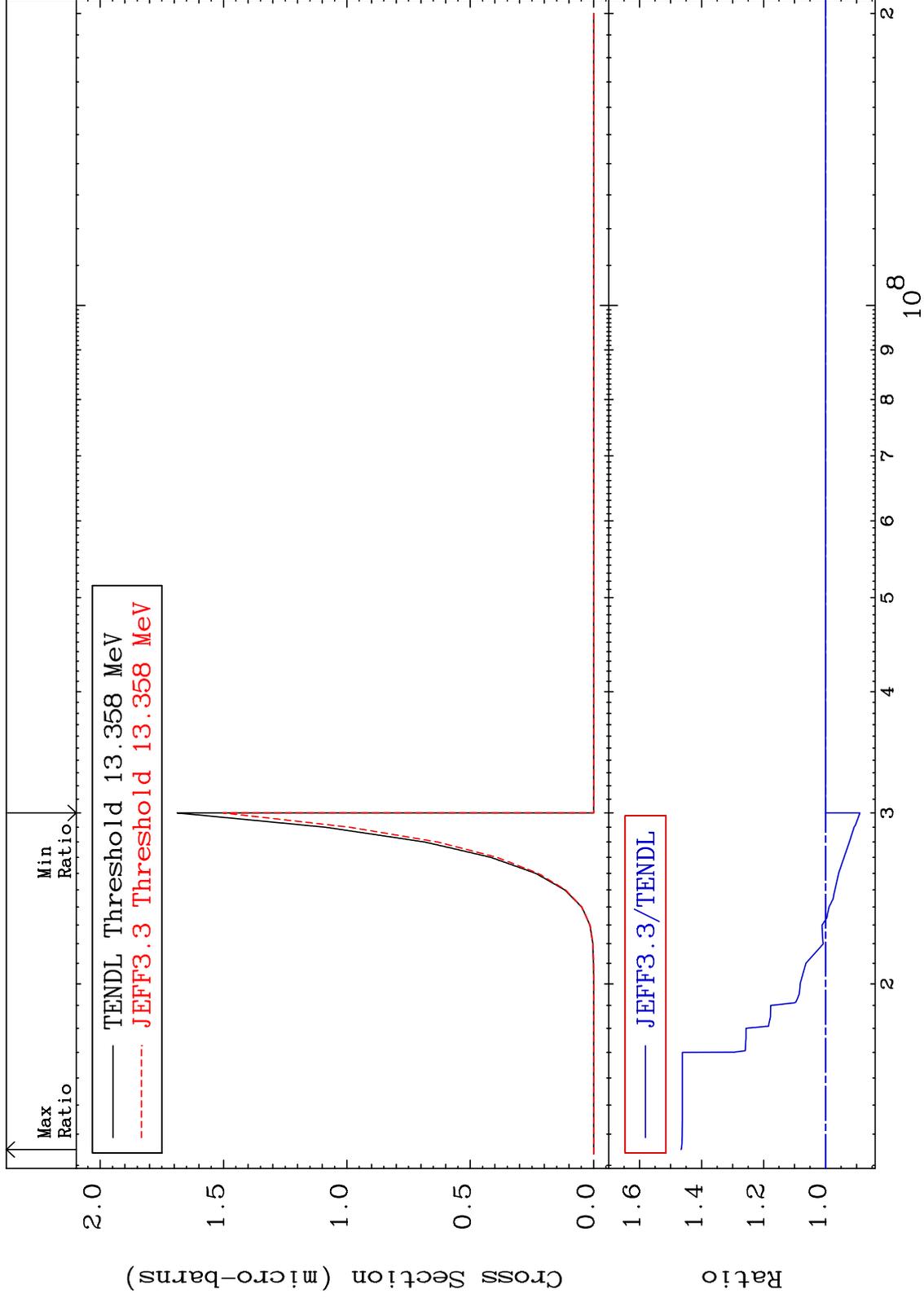


MAT 4125

(n,p) d:39-Y -91g

41-Nb-93

Radionuclide Production Cross Section -11.05 To 46.57 %



103

Incident Energy (eV)

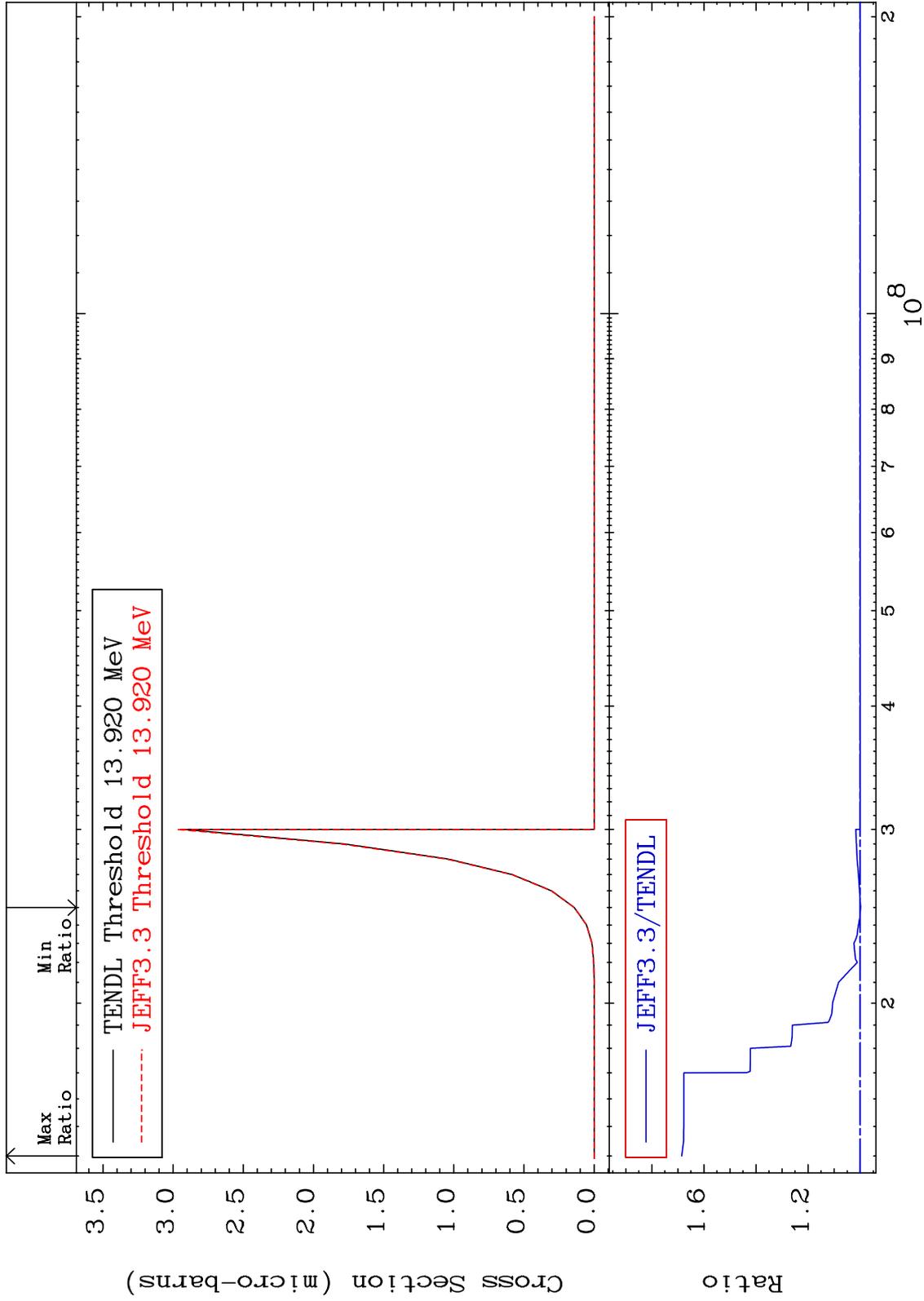
41-Nb-93

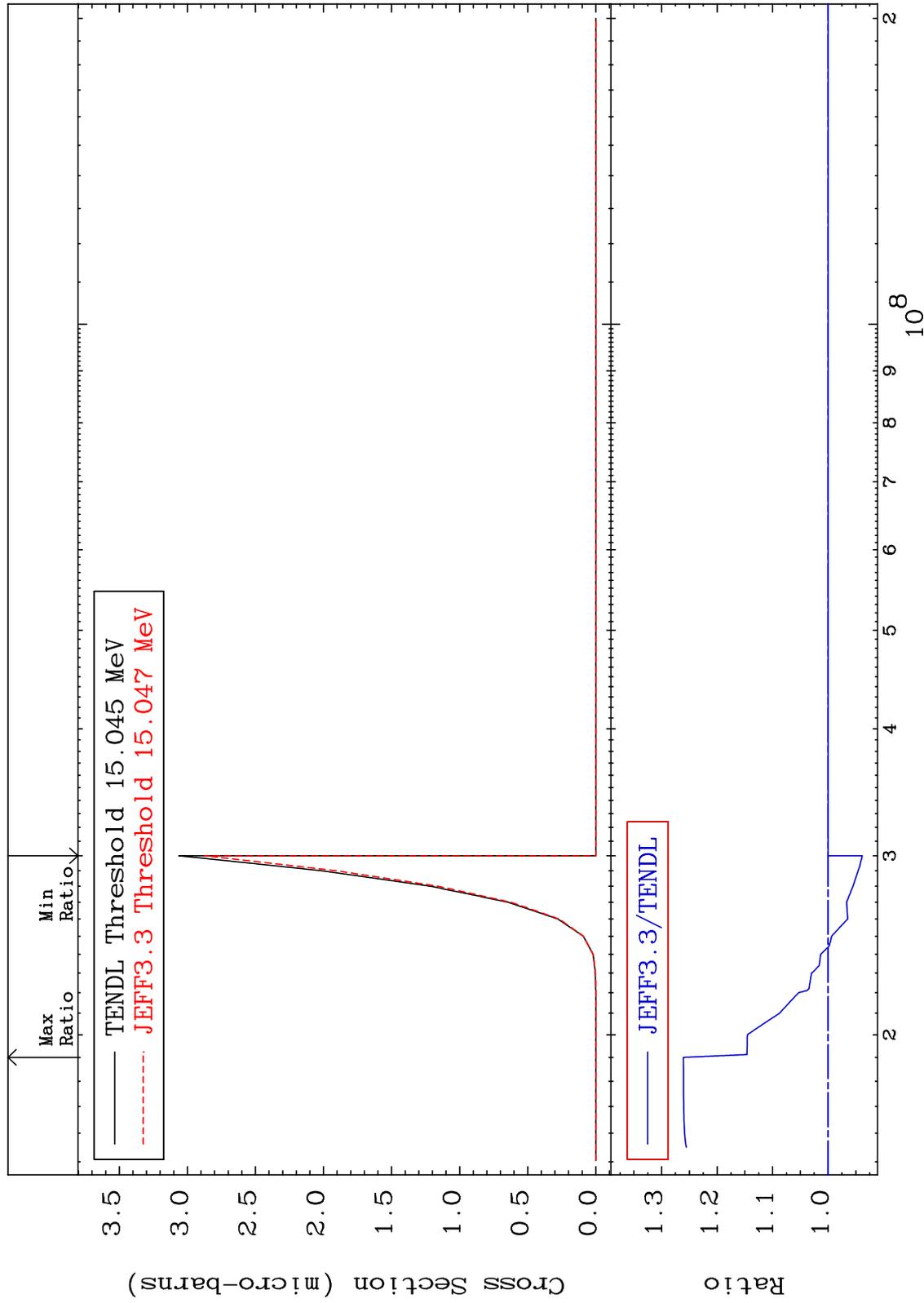
MAT 4125

(n, p) d:39-Y -91m1

41-Nb-93

Radionuclide Production Cross Section -0.183 To 68.53 %



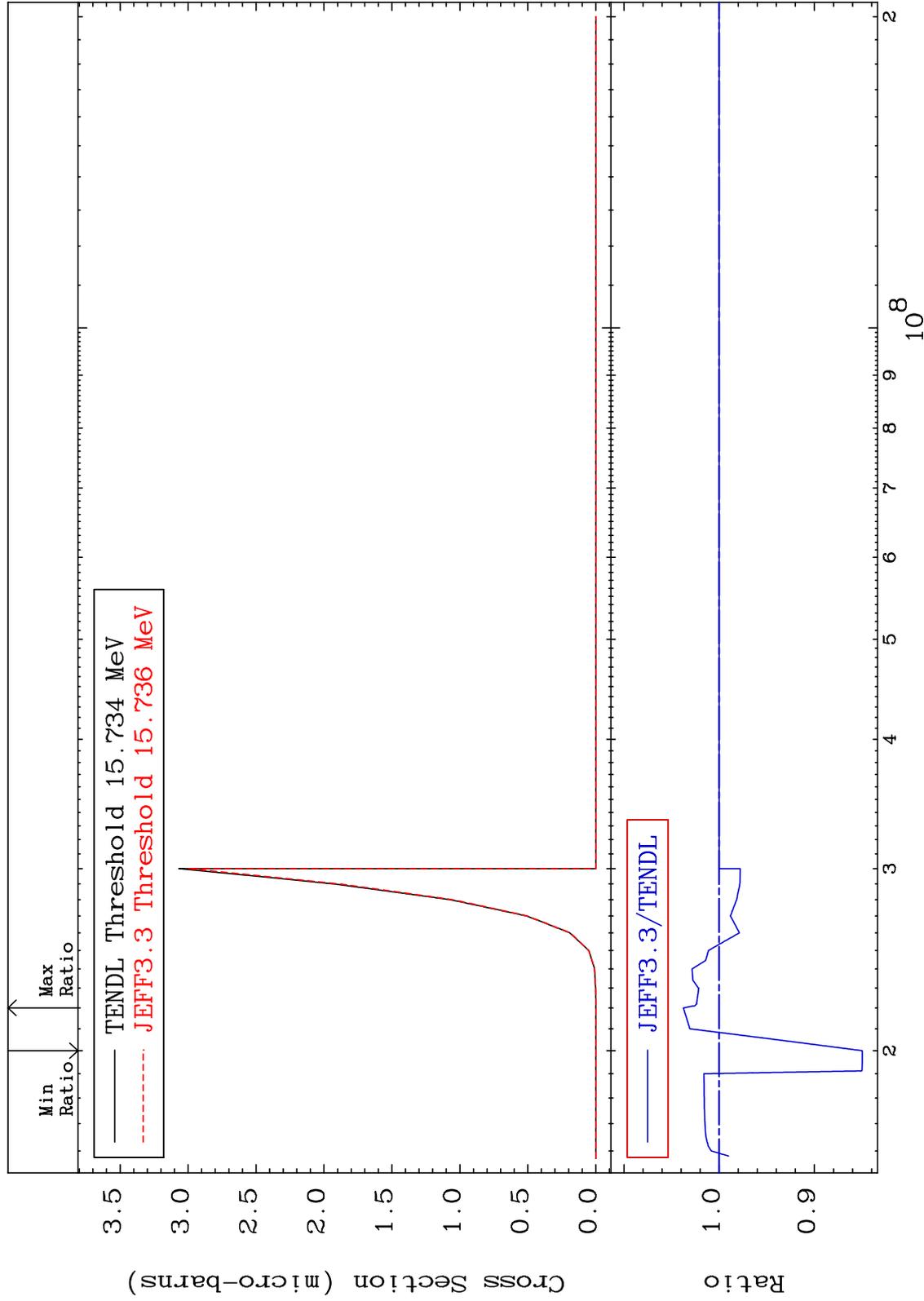


MAT 4125

(n, p) t:39-Y -90m2

41-Nb-93

Radionuclide Production Cross Section -15.02 To 3.760 %



106

Incident Energy (eV)

41-Nb-93