

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

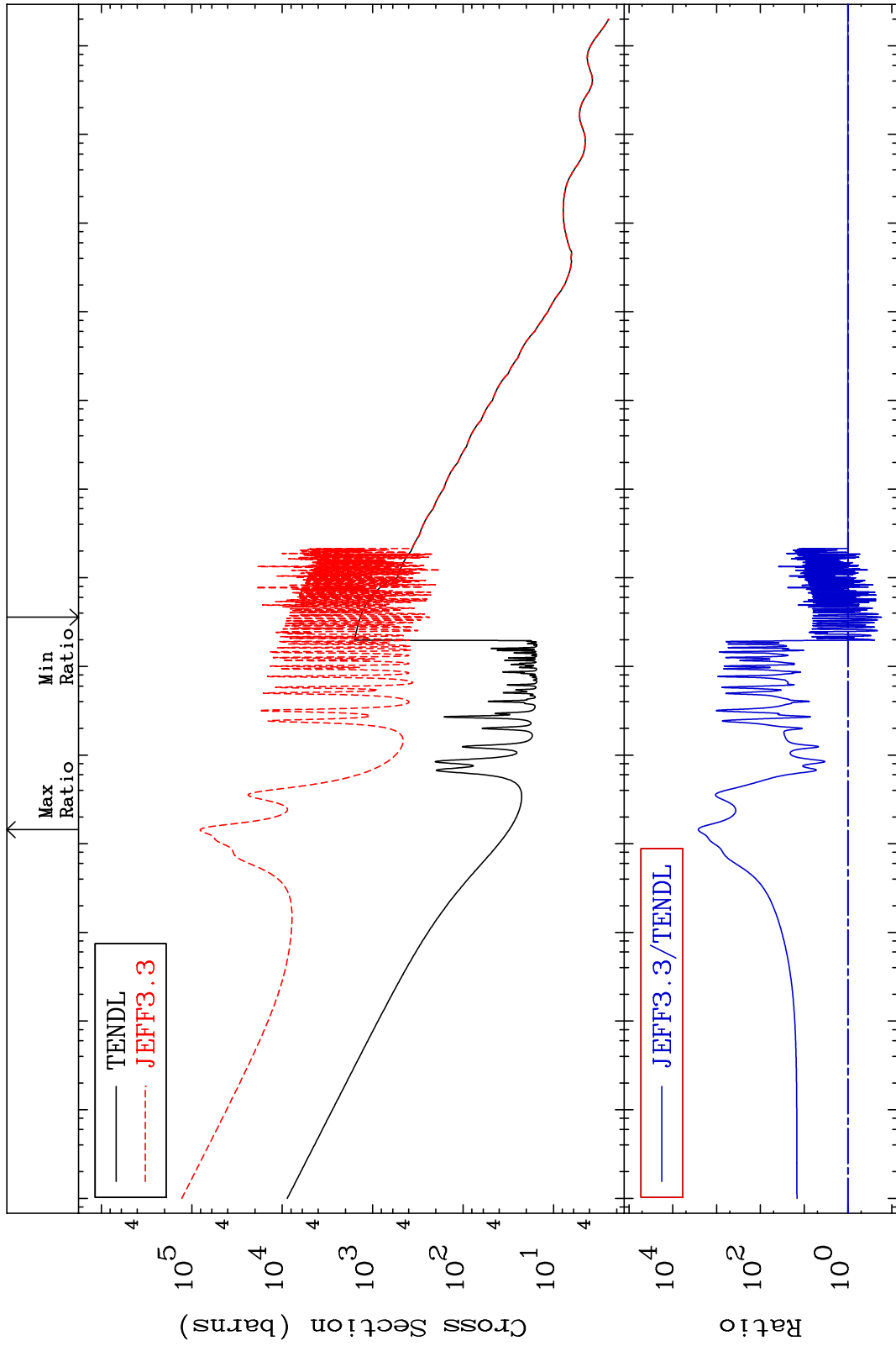
MAT 6522

Total

65-Tb-158

-82.86 To 9999. %

Cross Section



Incident Energy (eV)

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

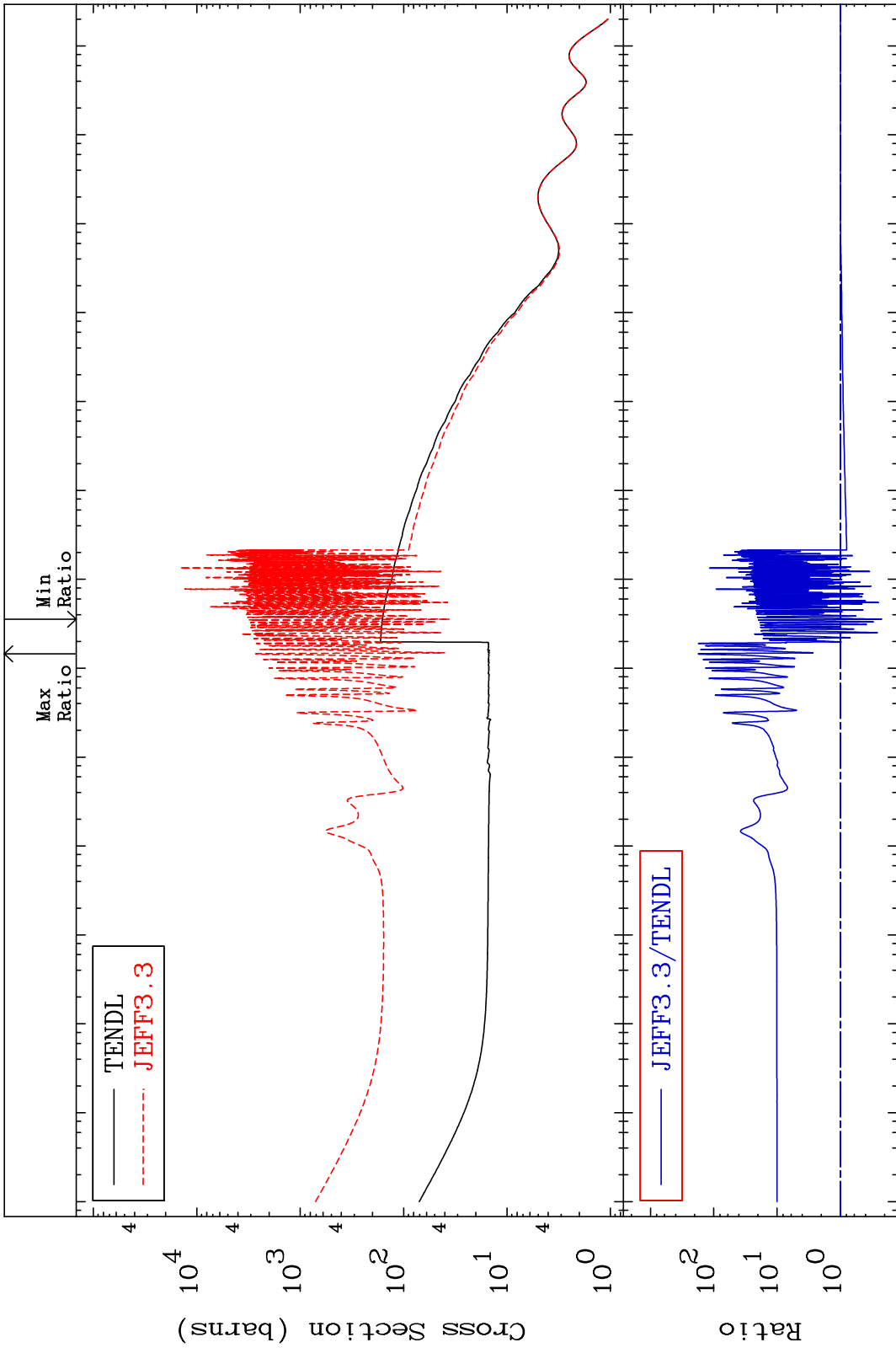
65-Tb-158

MAT 6522

Elastic
Cross Section

65-Tb-158

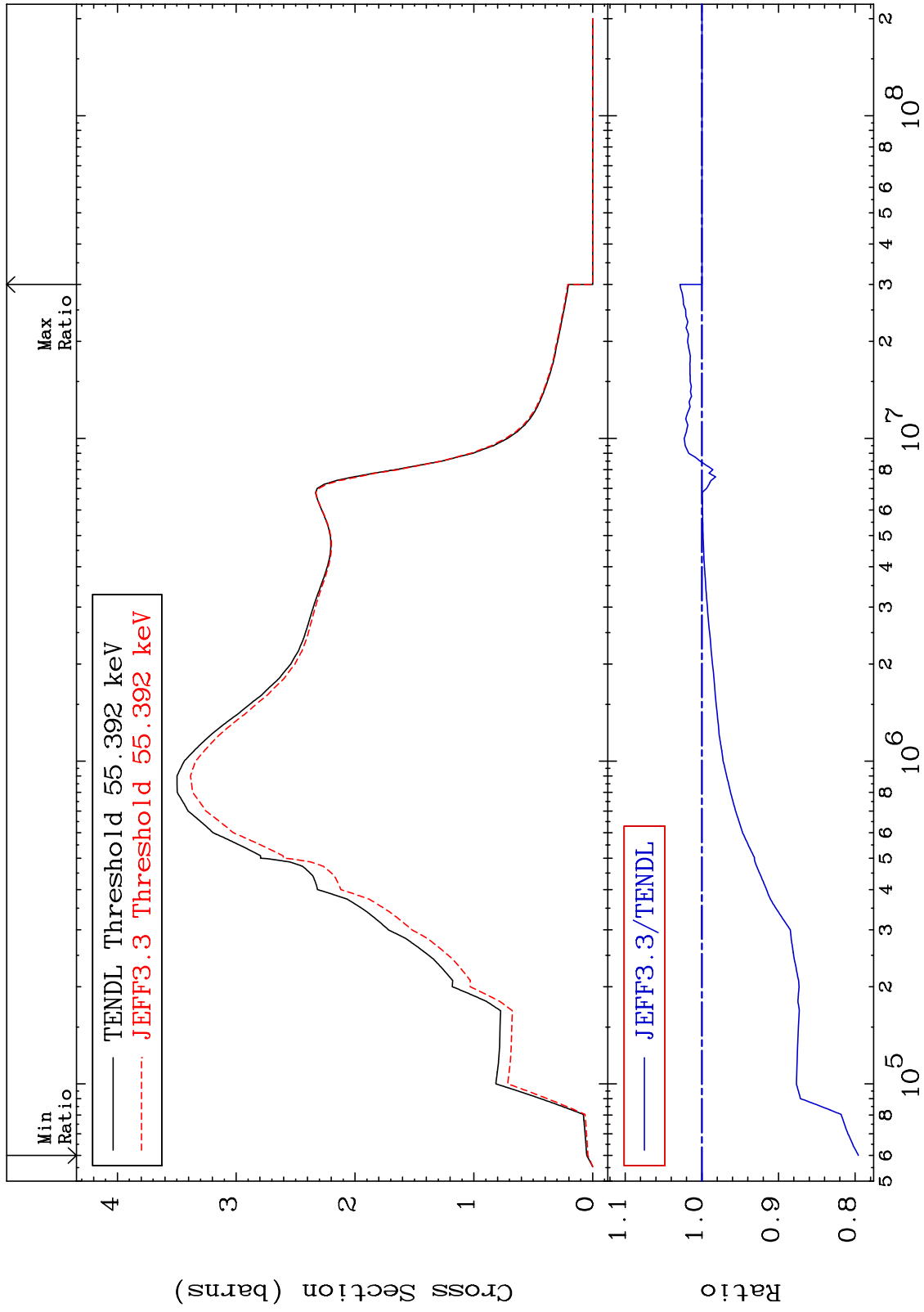
-77.63 To 9999. %



MAT 6522

Inelastic
Cross Section

65-Tb-158
-20.42 To 2.851 %



3

65-Tb-158

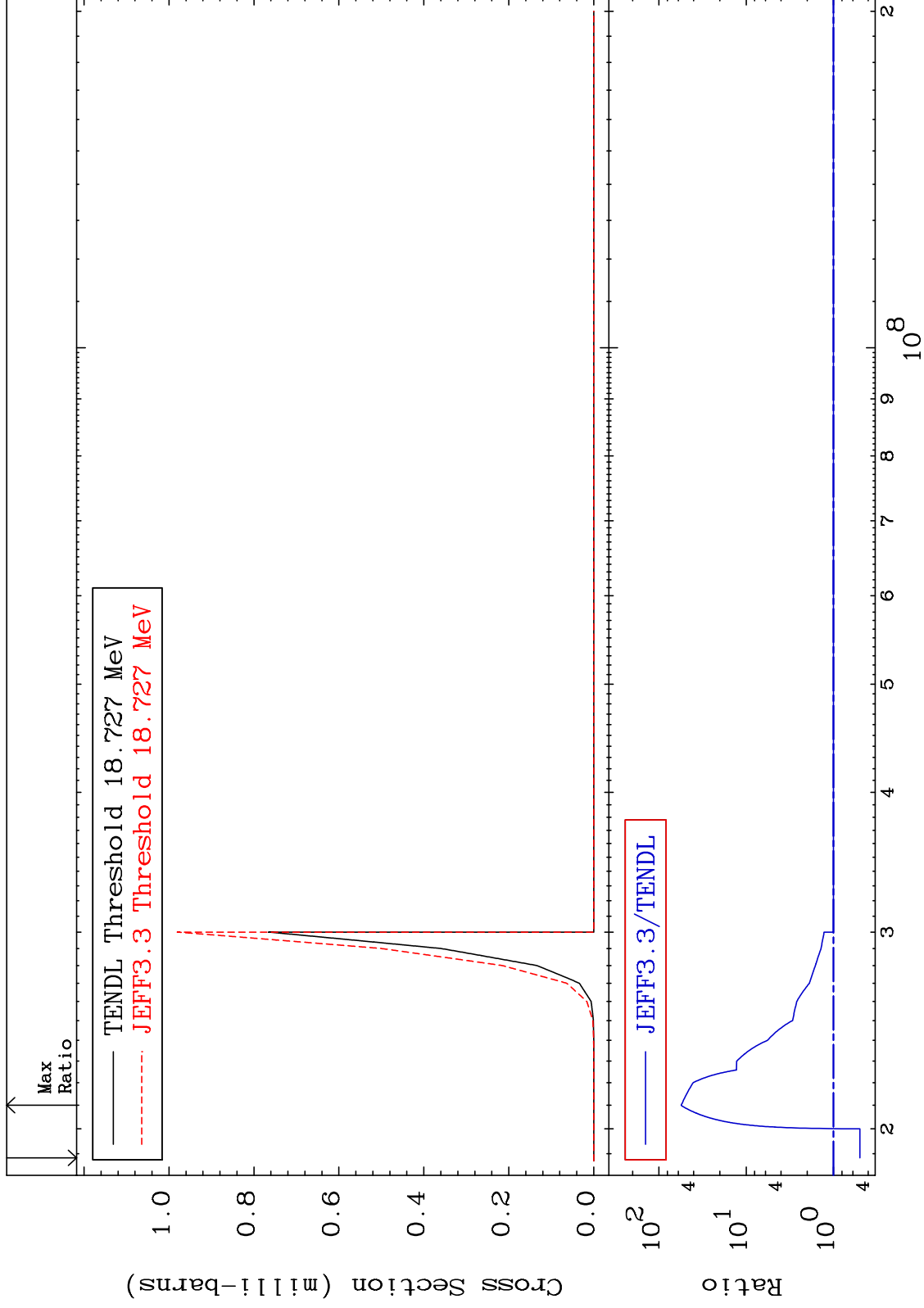
MAT 6522

(n,2n) d

65-Tb-158

Cross Section

-50.16 To 5451. %



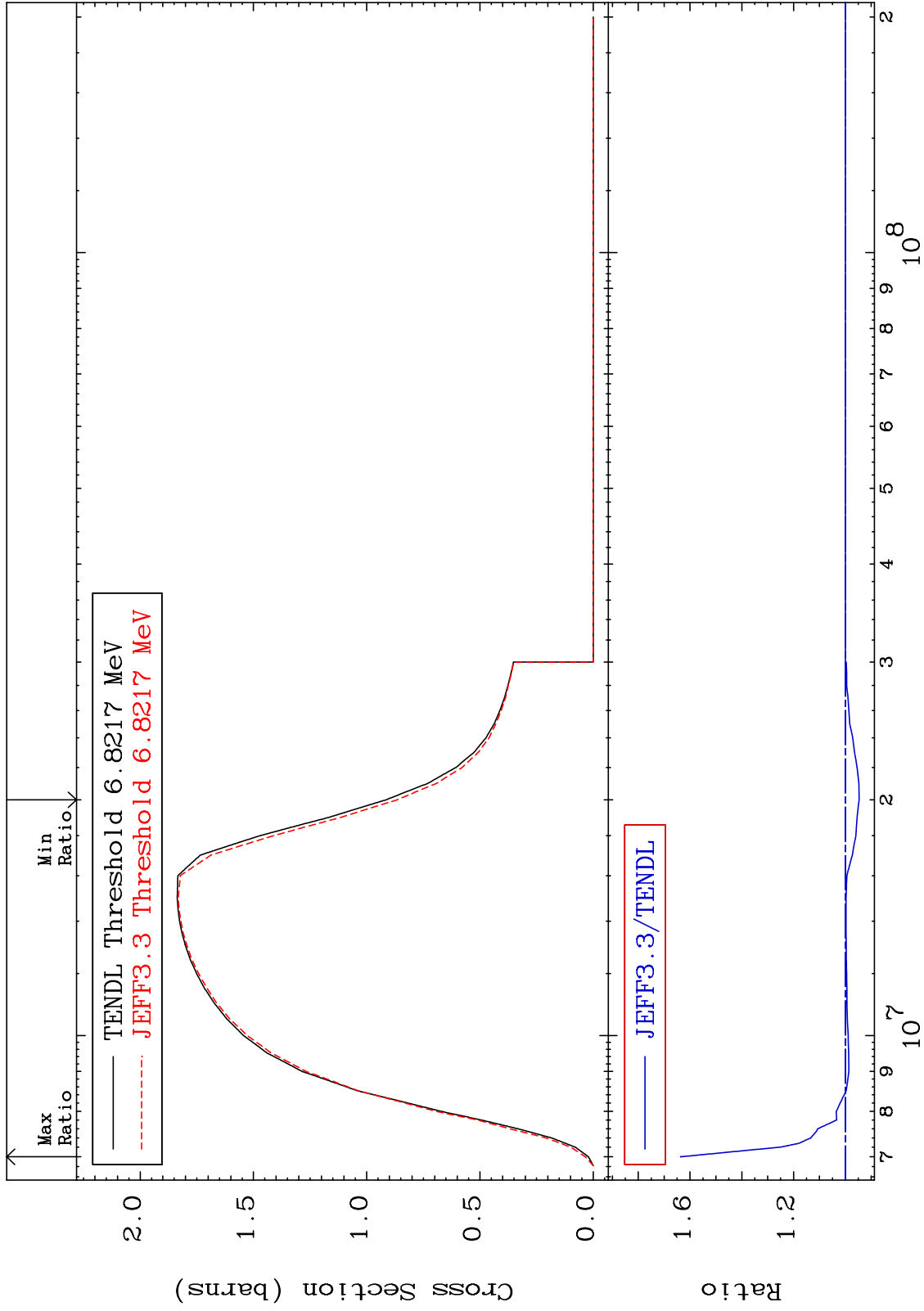
MAT 6522

(n, 2n)

65-Tb-158

Cross Section

-5.345 To 63.64 %



5

Incident Energy (eV)

65-Tb-158

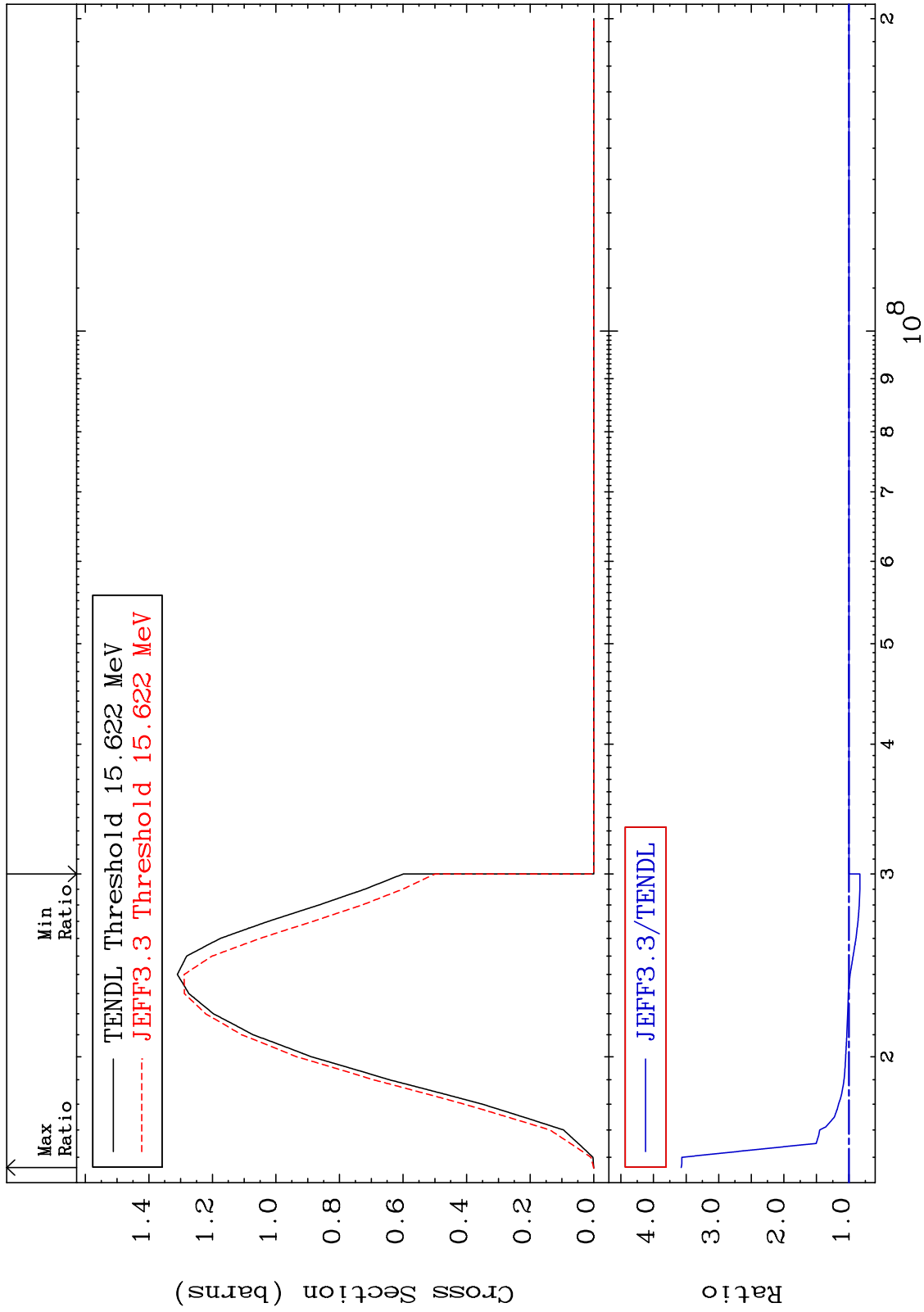
MAT 6522

(n, 3n)

65-Tb-158

Cross Section

-16.72 To 257.5 %



6

Incident Energy (eV)

65-Tb-158

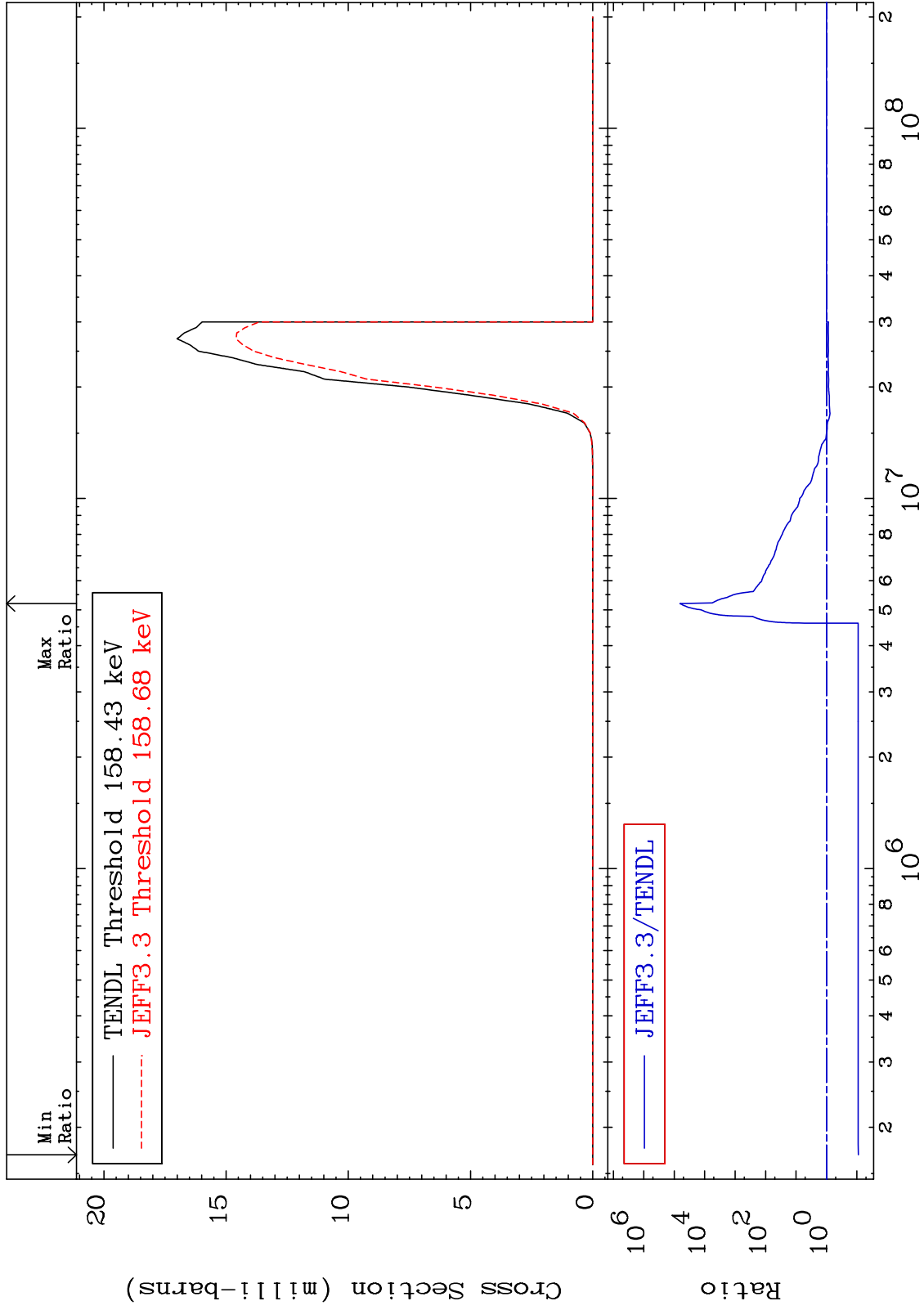
MAT 6522

(n, n') α

65-Tb-158

-91.07 To 9999. %

Cross Section



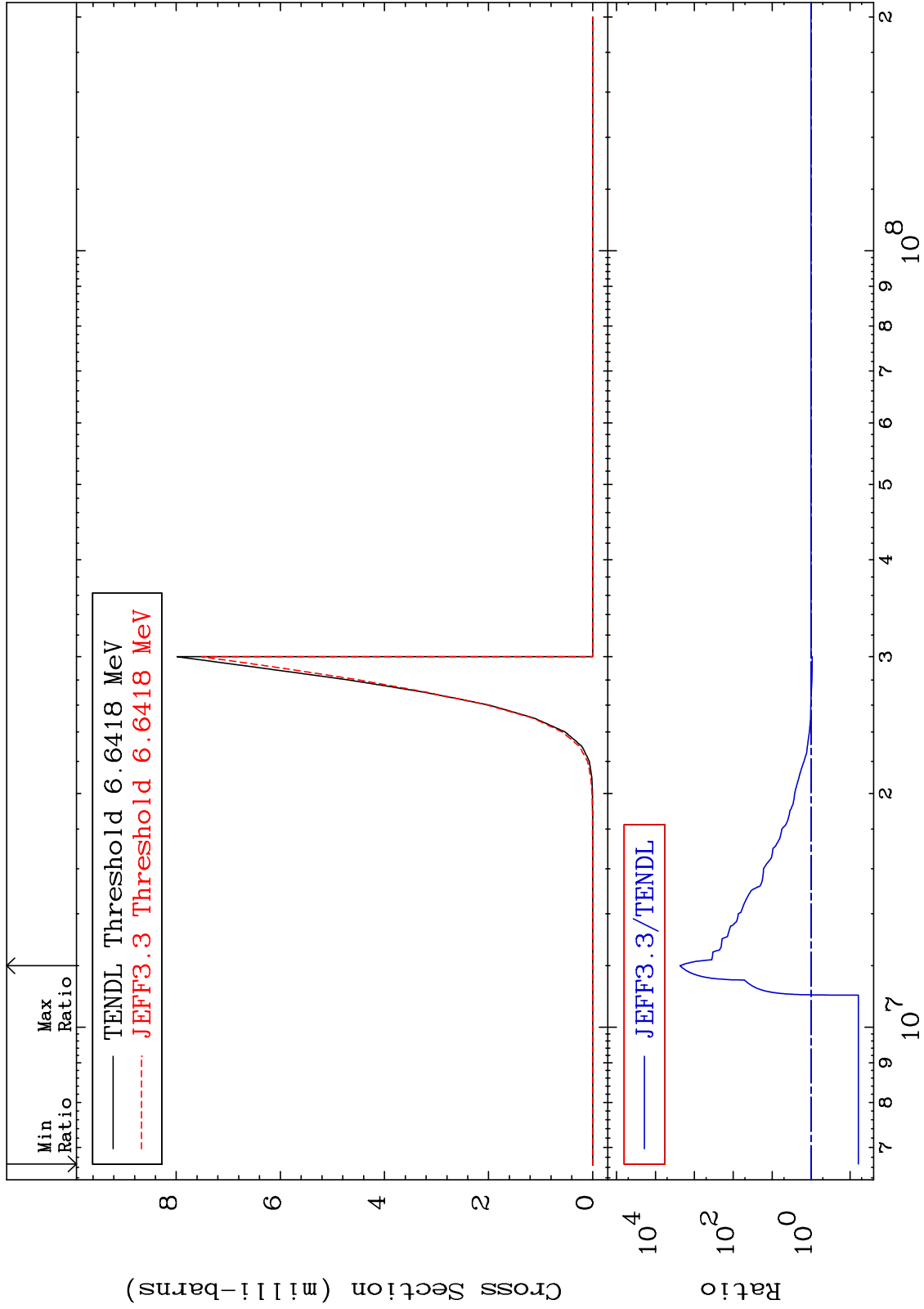
MAT 6522

(n,2n) α

65-Tb-158

-93.93 To 9999. %

Cross Section



8

Incident Energy (eV)

65-Tb-158

MAT 6522

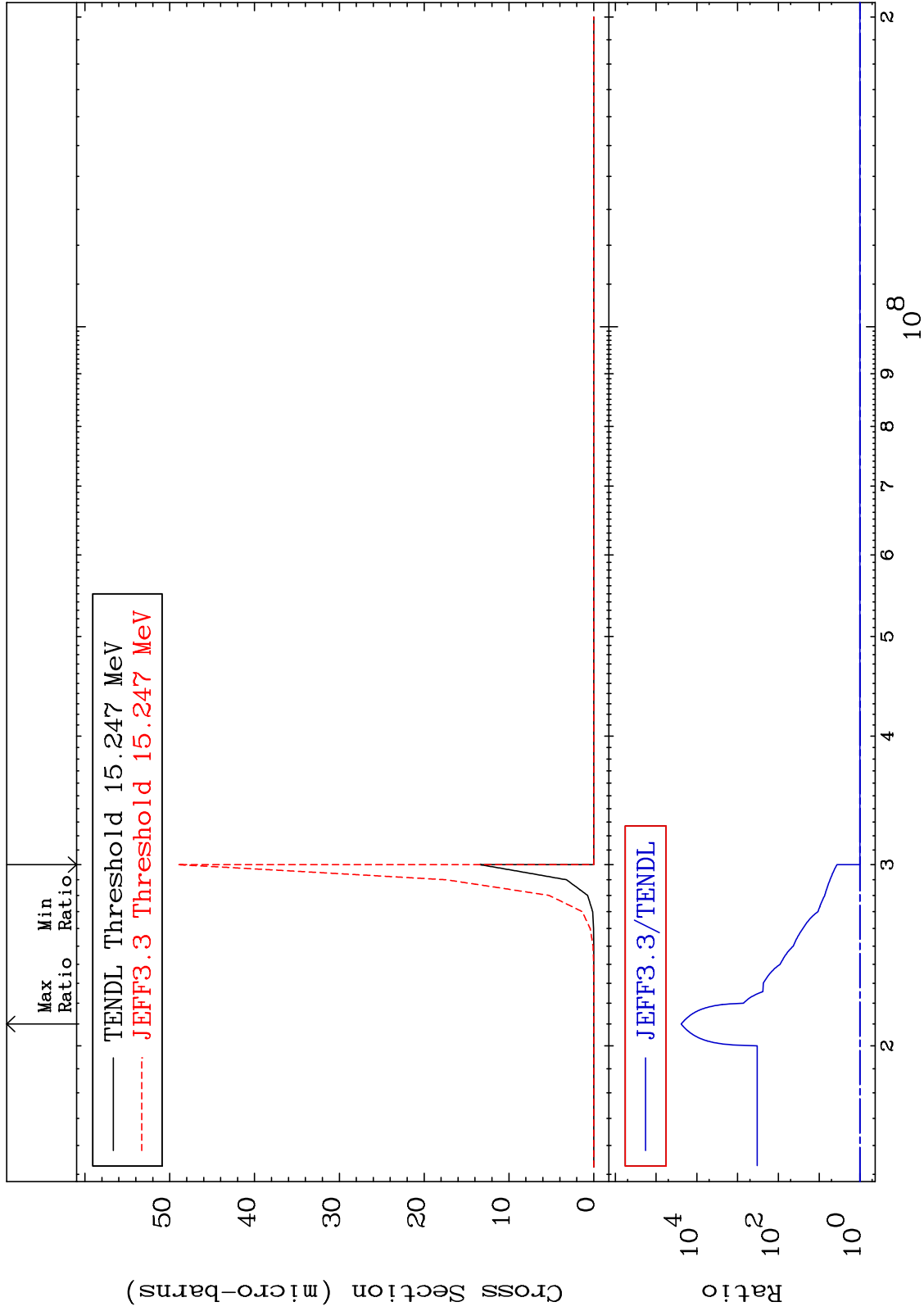
(n,3n) α

65-Tb-158

Cross Section

0.000

To 9999. %



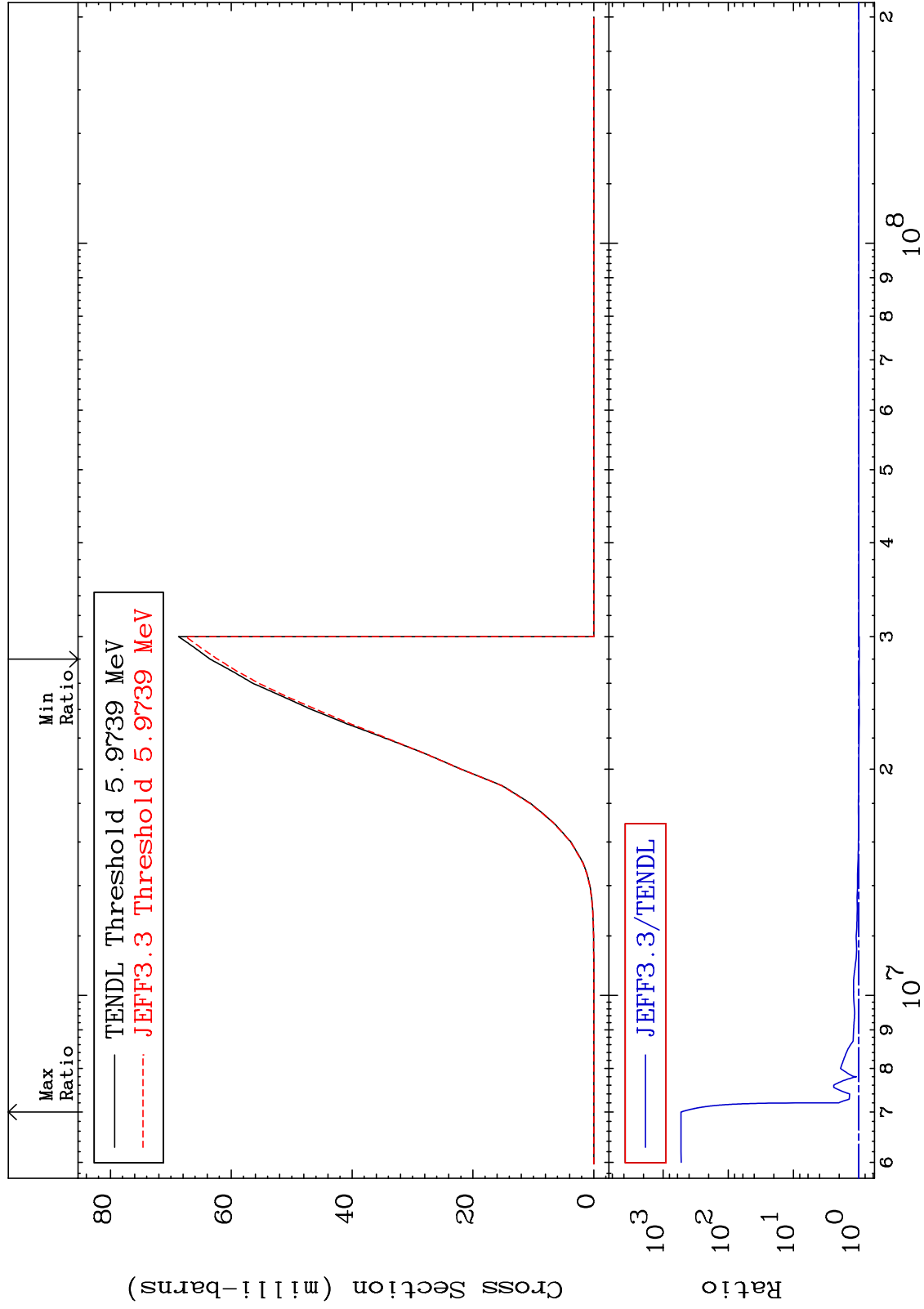
MAT 6522

(n,n') p

65-Tb-158

Cross Section

-1.922 To 9999. %



10

Incident Energy (eV)

65-Tb-158

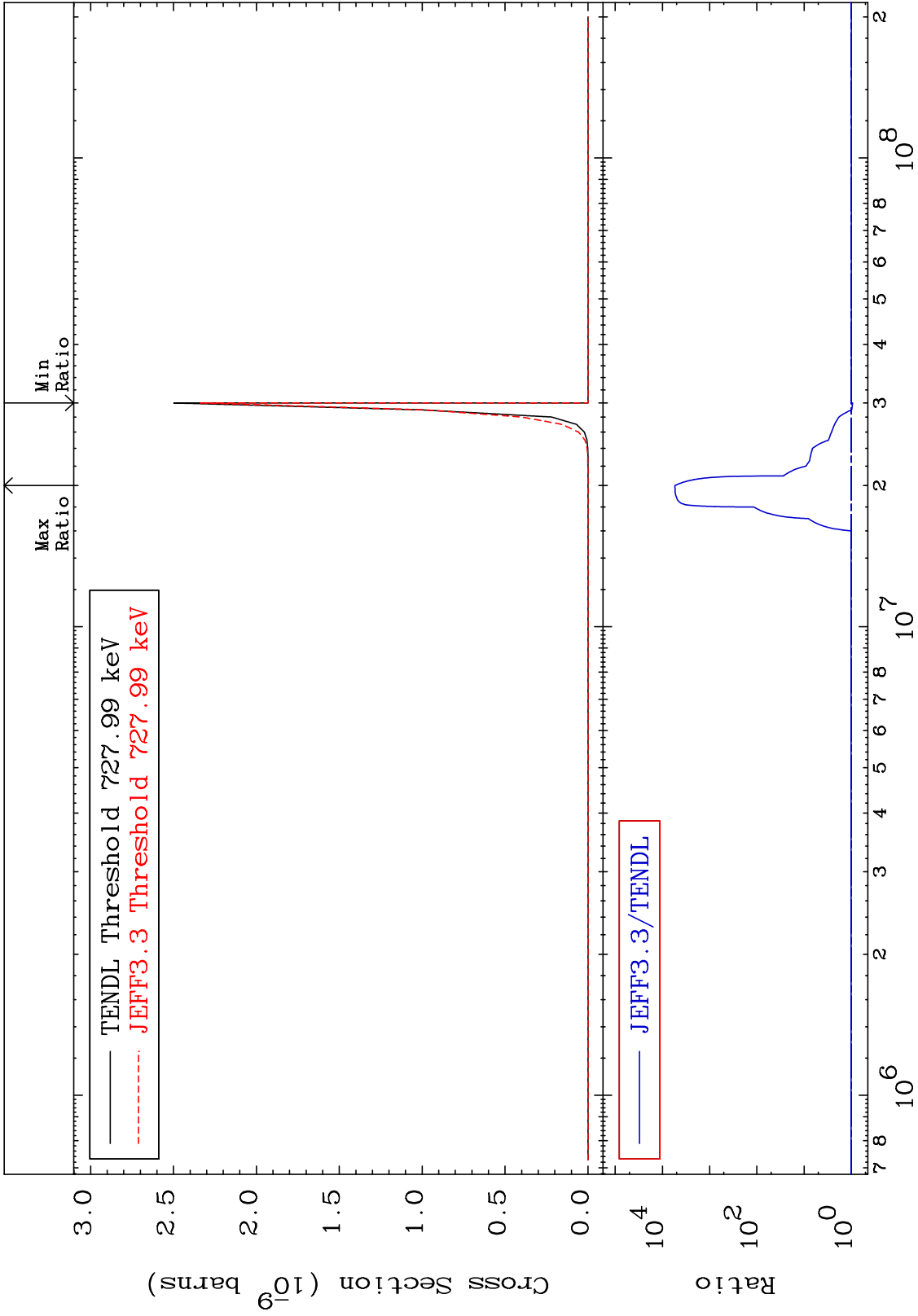
MAT 6522

(n, n') 2α

65-Tb-158

-6.458 To 9999. %

Cross Section



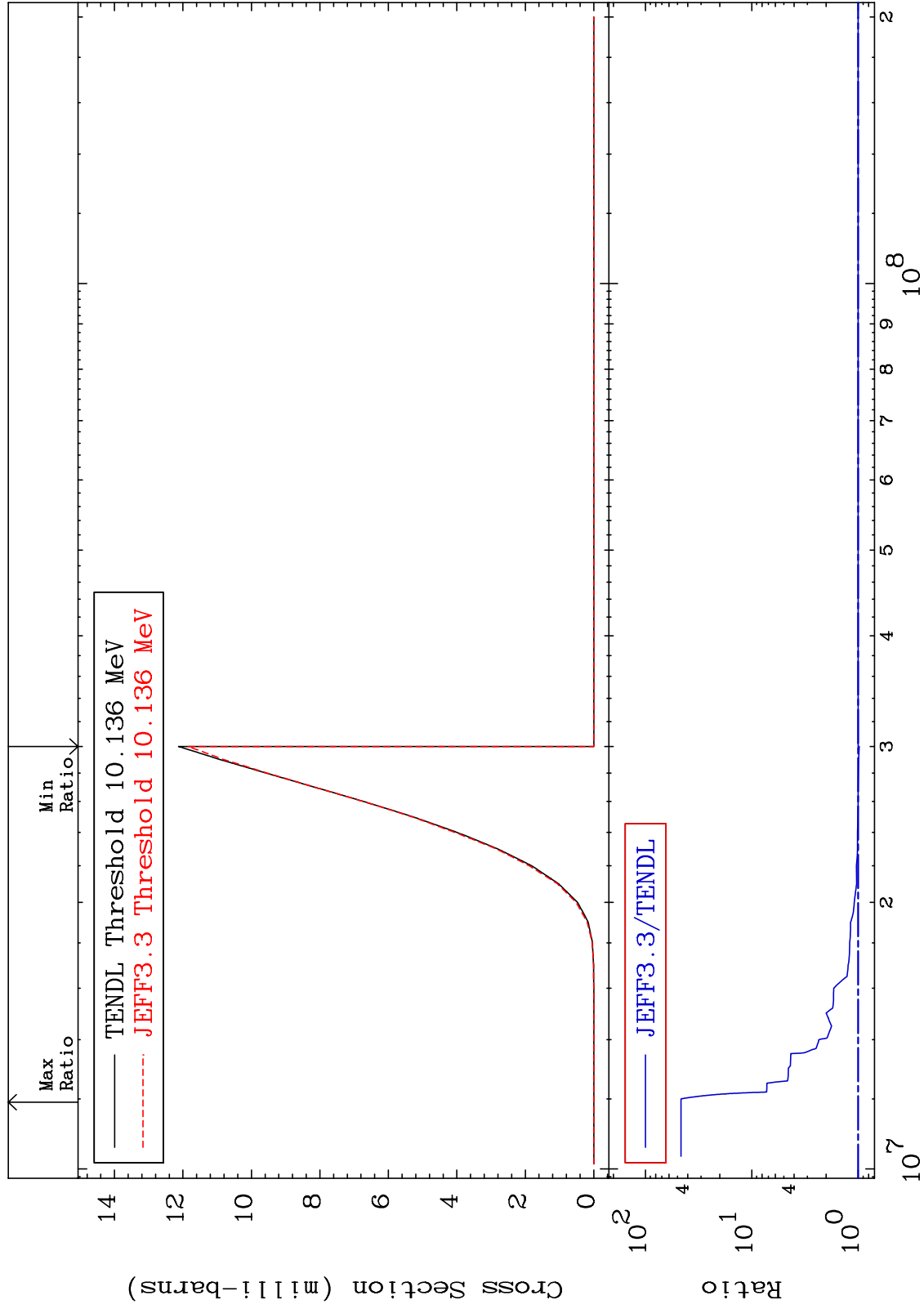
MAT 6522

(n,n') d

65-Tb-158

Cross Section

-2.306 To 4524. %



Incident Energy (eV)

65-Tb-158

12

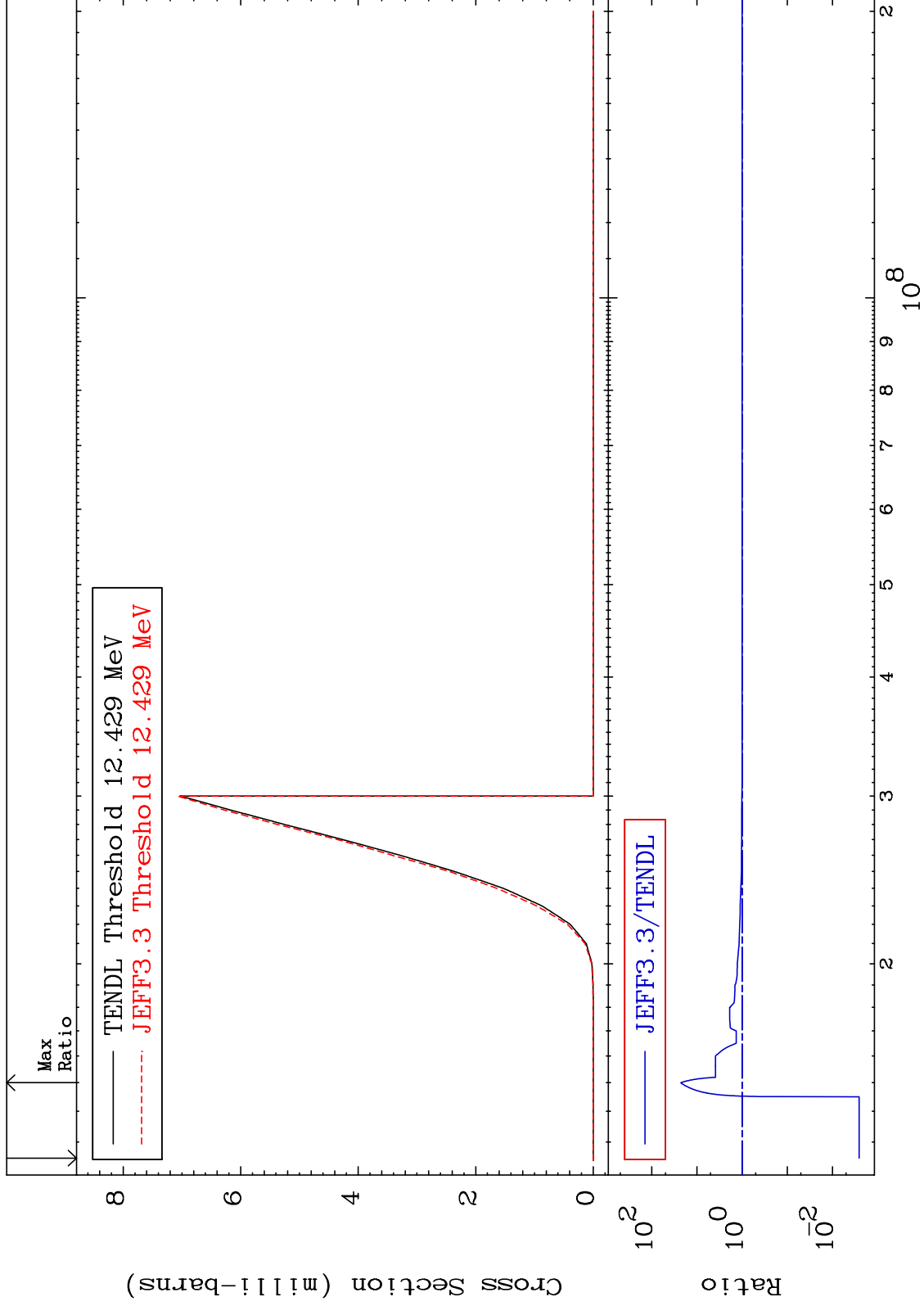
MAT 6522

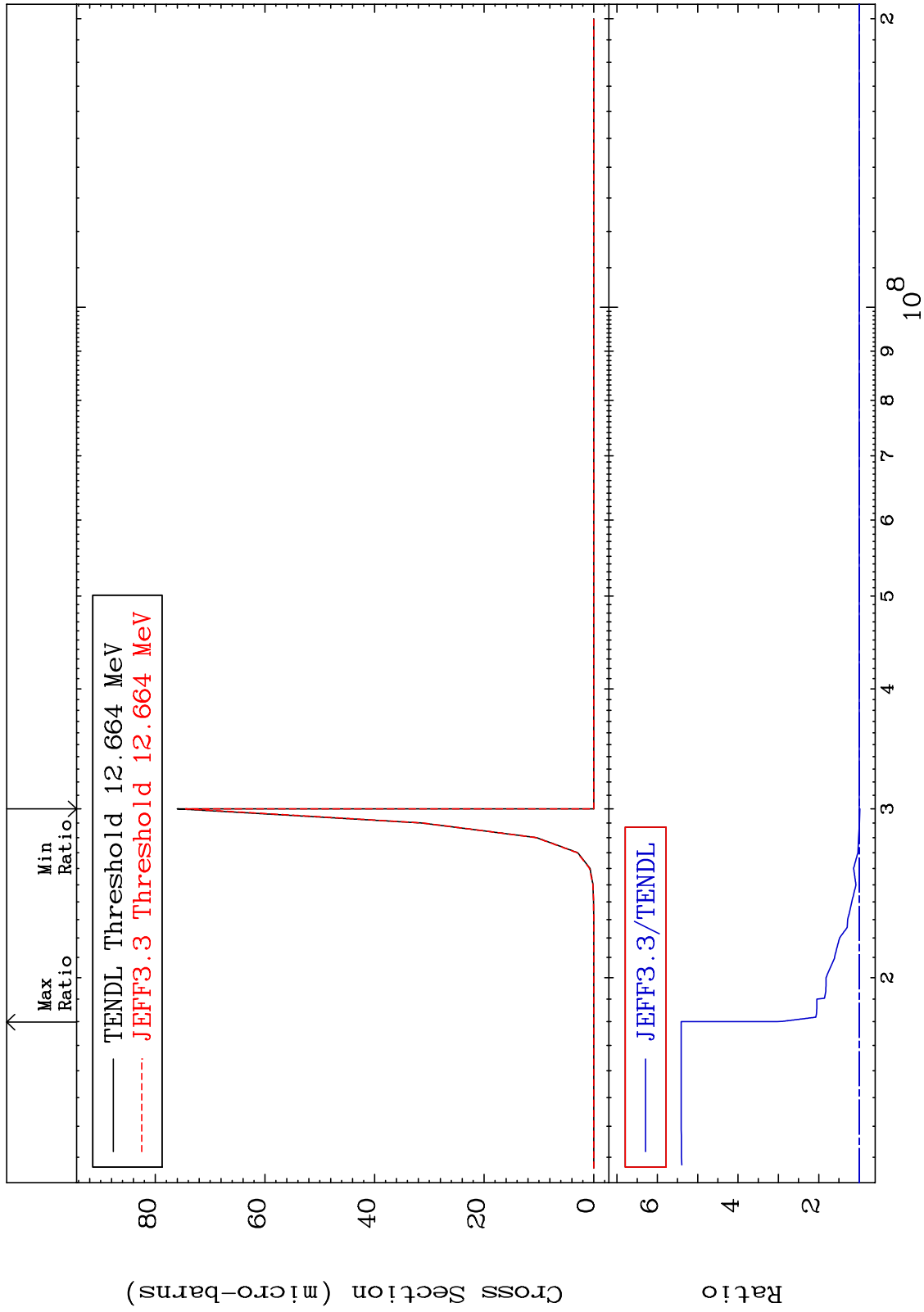
(n,n') t

65-Tb-158

Cross Section

-99.74 To 2201. %





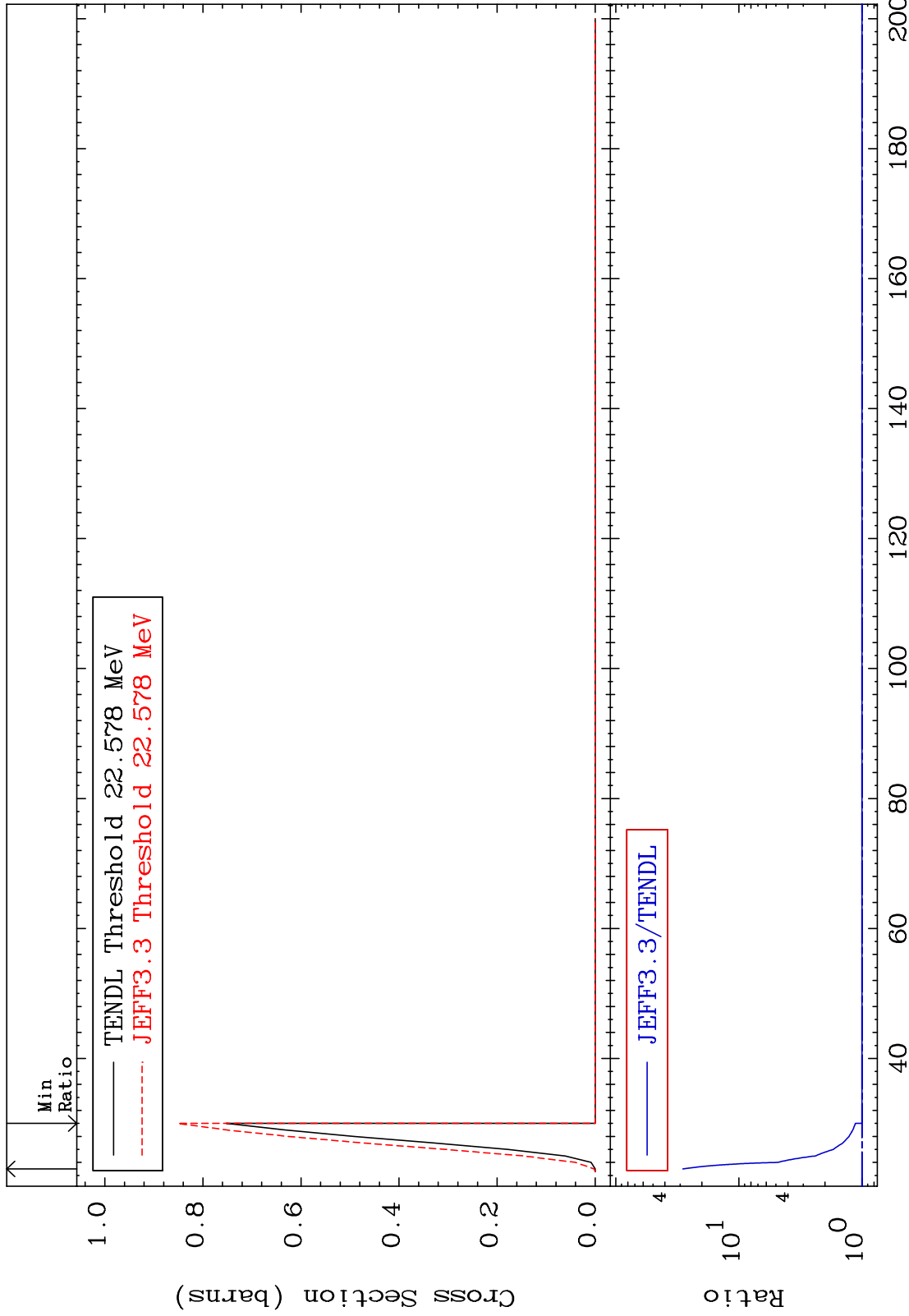
MAT 6522

(n, 4n)

65-Tb-158

Cross Section

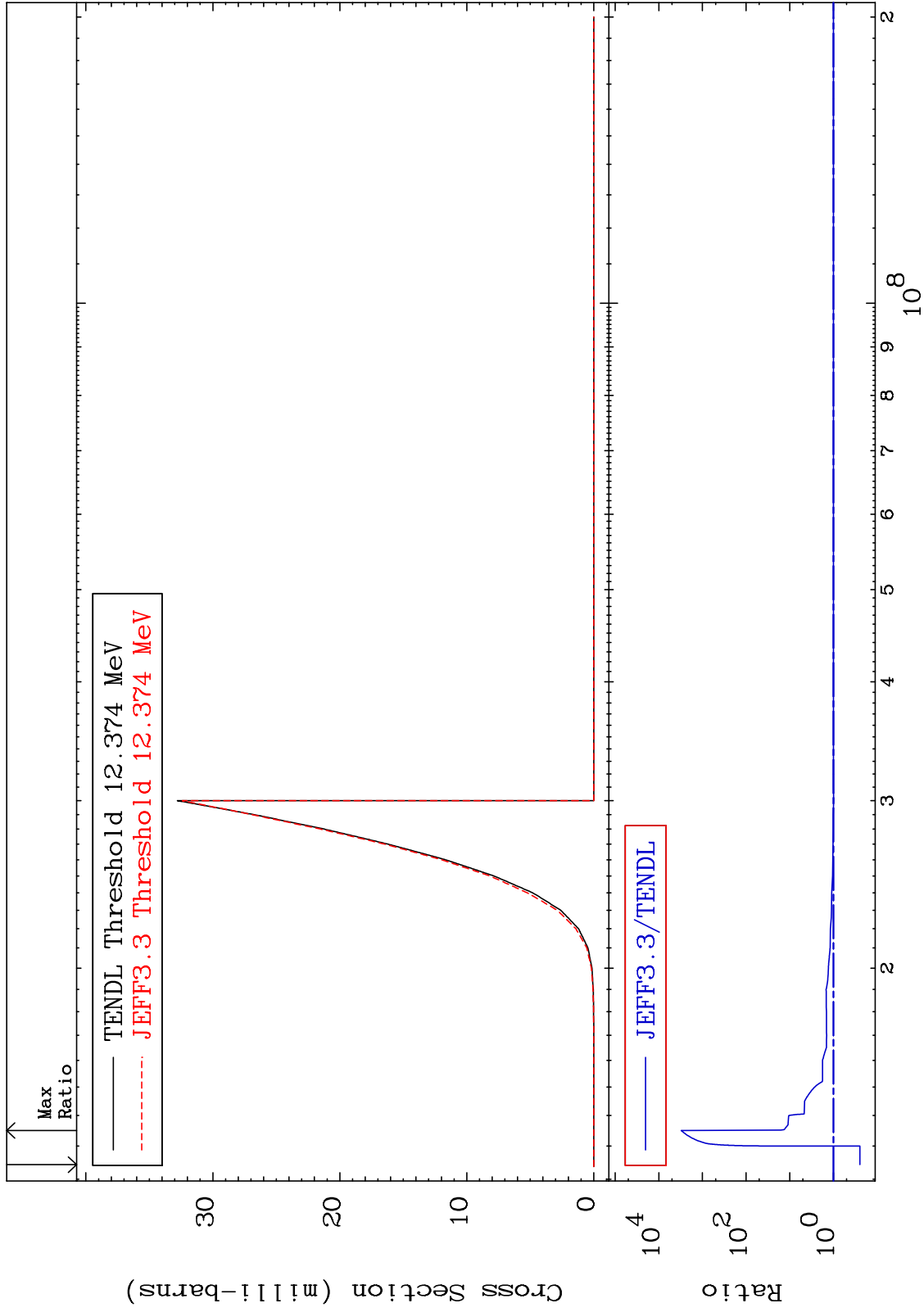
0.000 To 2755. %



MAT 6522

(n,2n) p
Cross Section

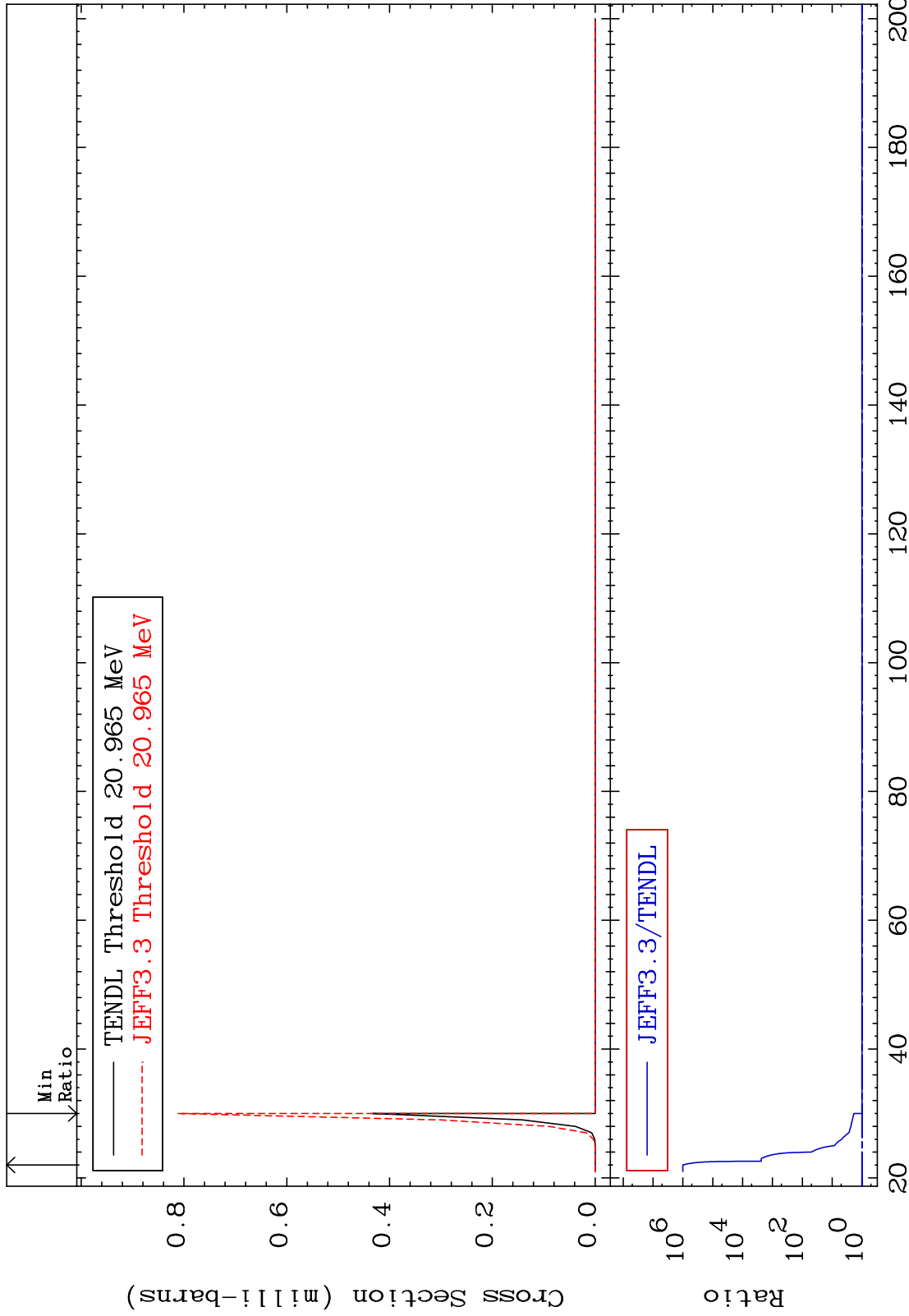
65-Tb-158
-75.34 To 9999. %



MAT 6522

(n,3n) p
Cross Section

65-Tb-158
0.000 To 9999. %

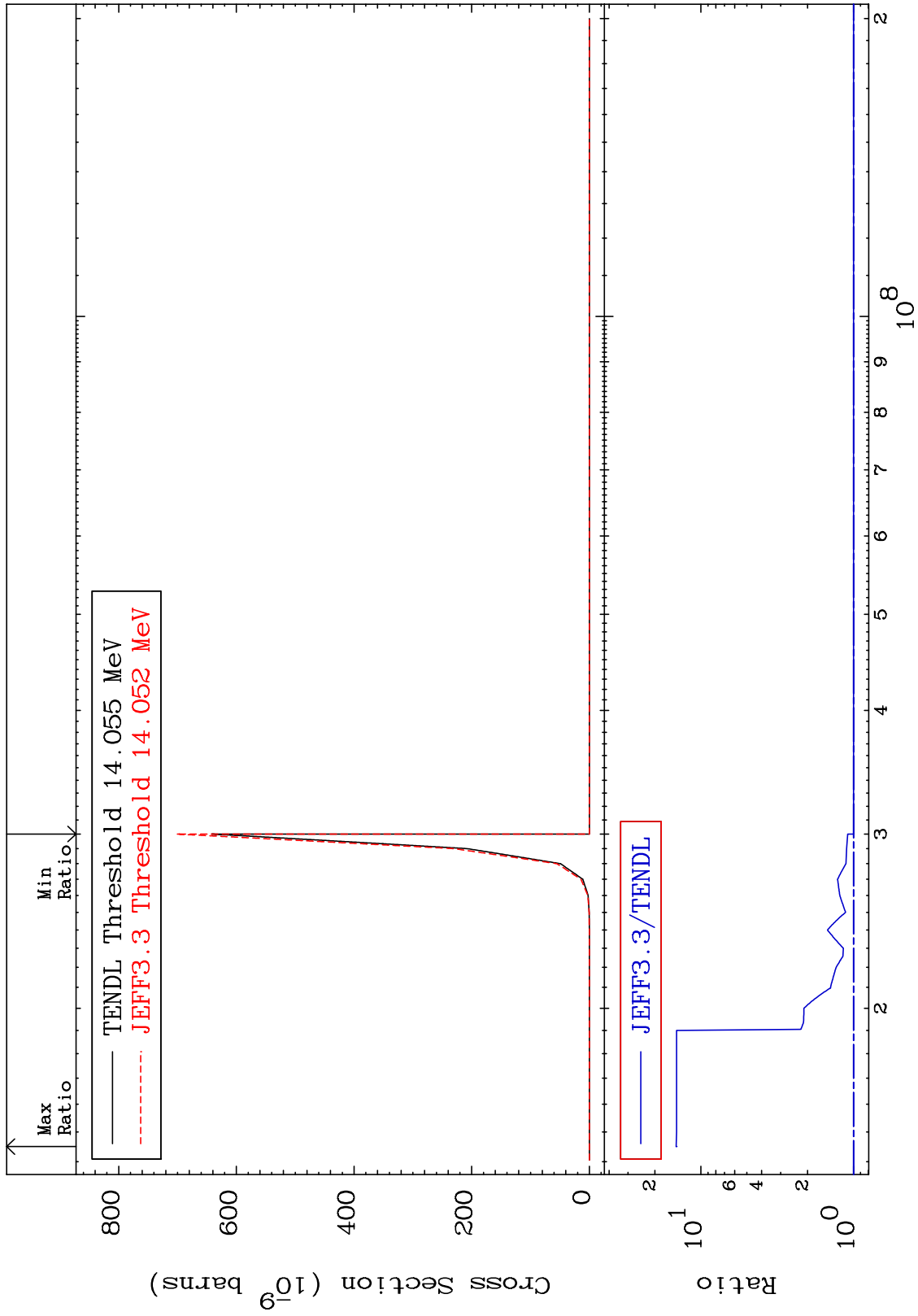


65-Tb-158

MAT 6522

(n,2n) p
Cross Section

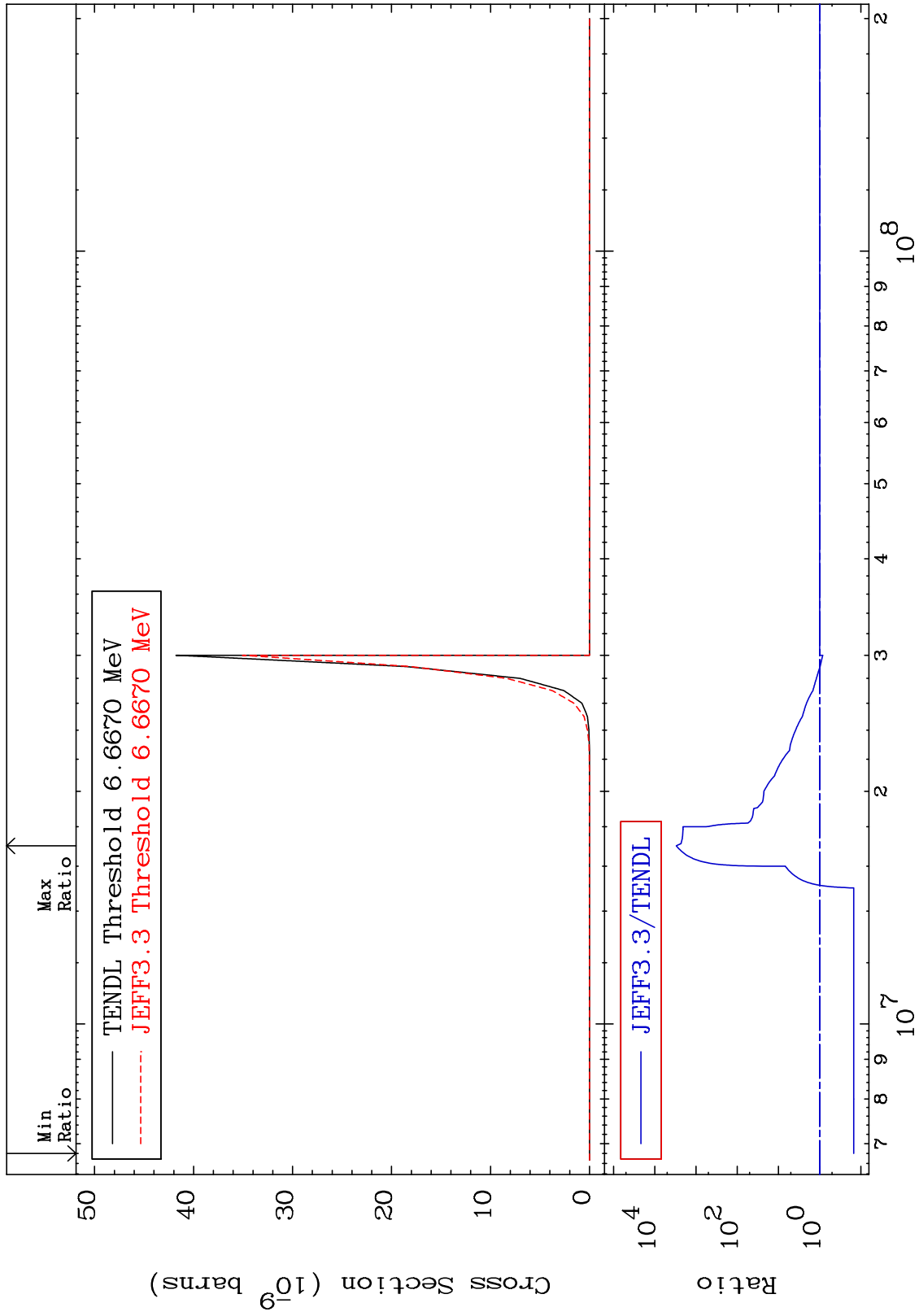
65-Tb-158
0.000 To 1352. %



MAT 6522

(n,n') p α
Cross Section

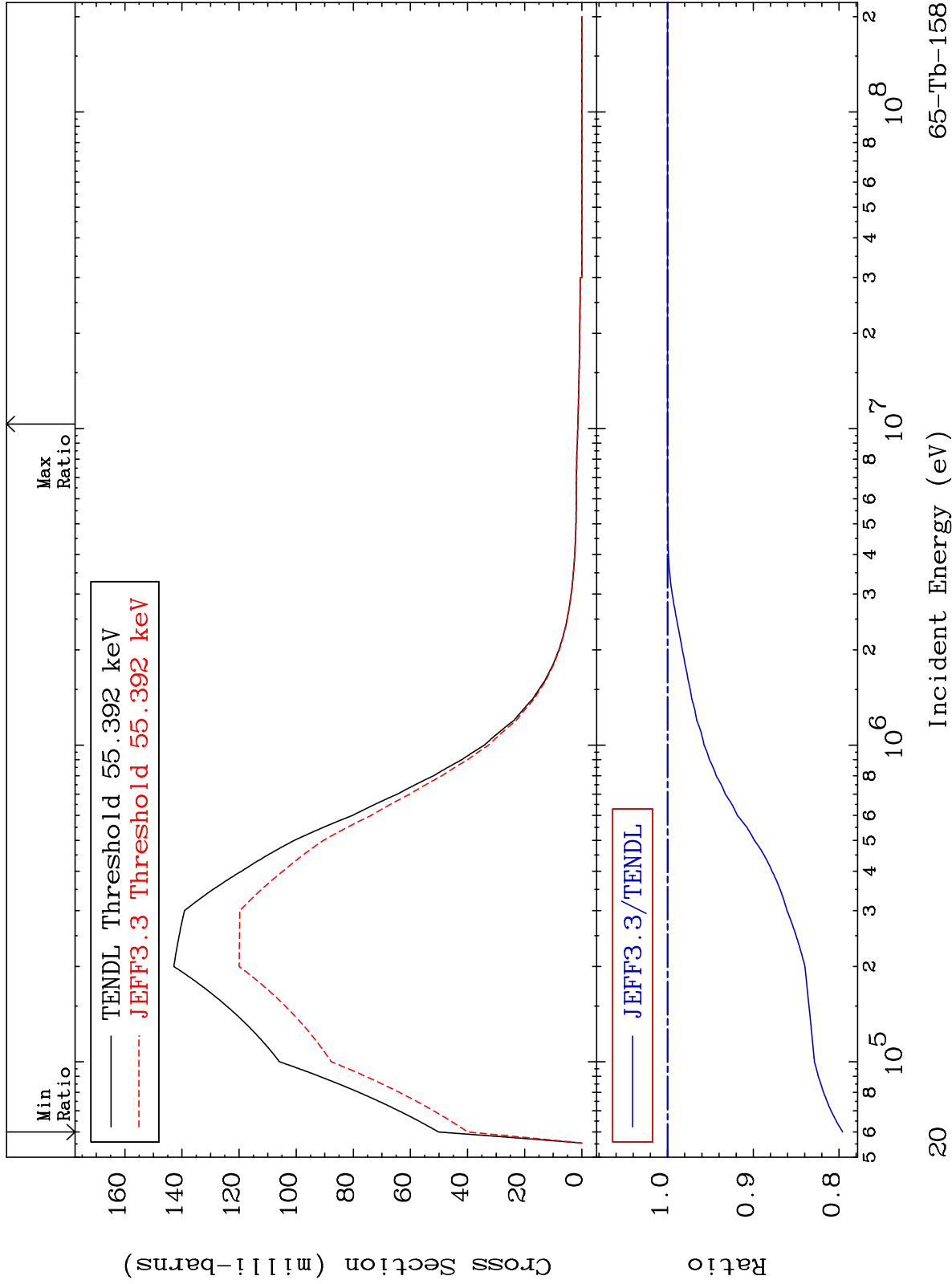
65-Tb-158
-85.18 To 9999. %



MAT 6522

MT= 51 (n,n') Level
Cross Section

65-Tb-158
-20.42 To 0.000 %

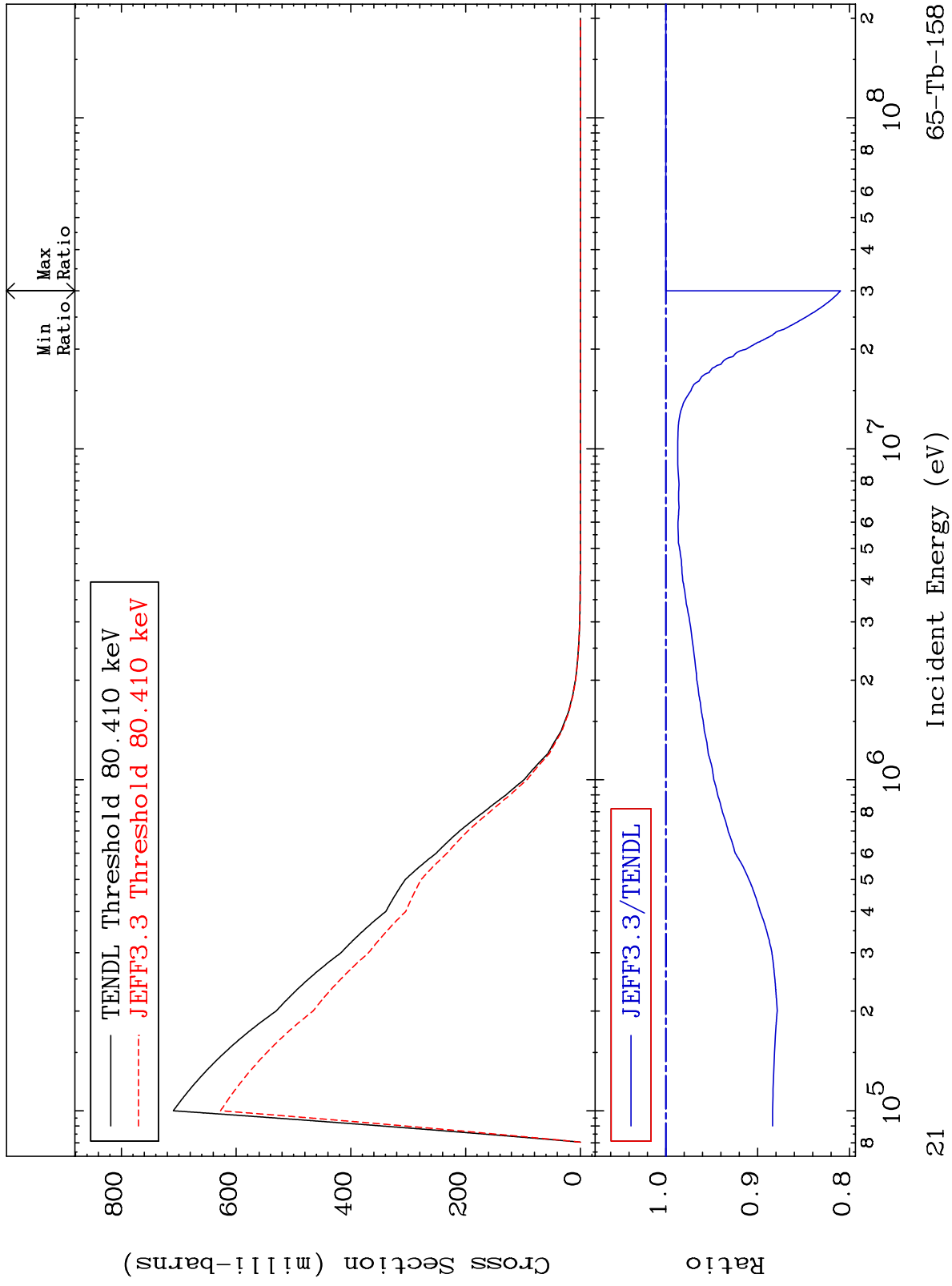


20

MAT 6522

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

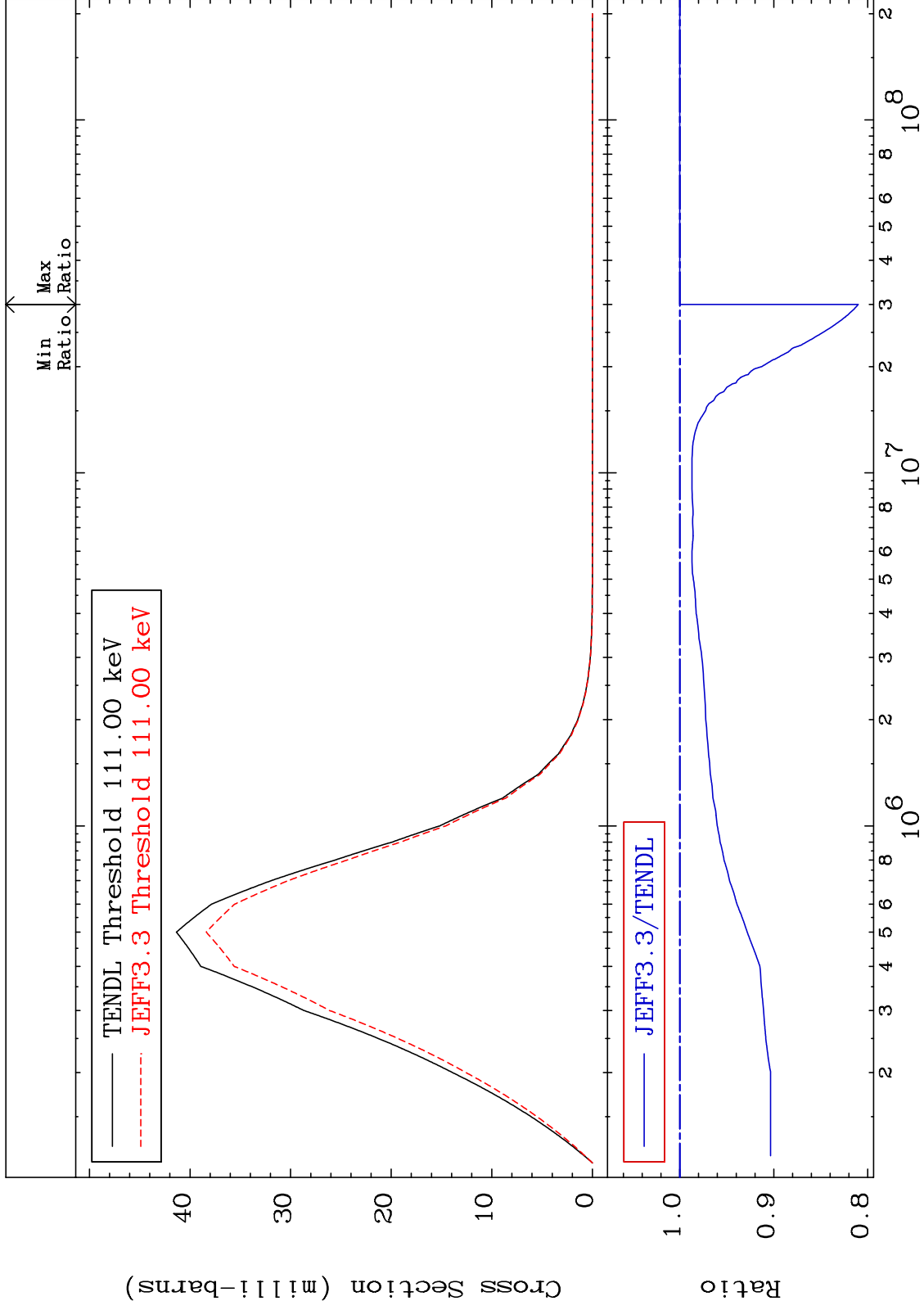
65-Tb-158
-19.02 To 0.000 %



MAT 6522

MT= 53 (n,n') Level
Cross Section

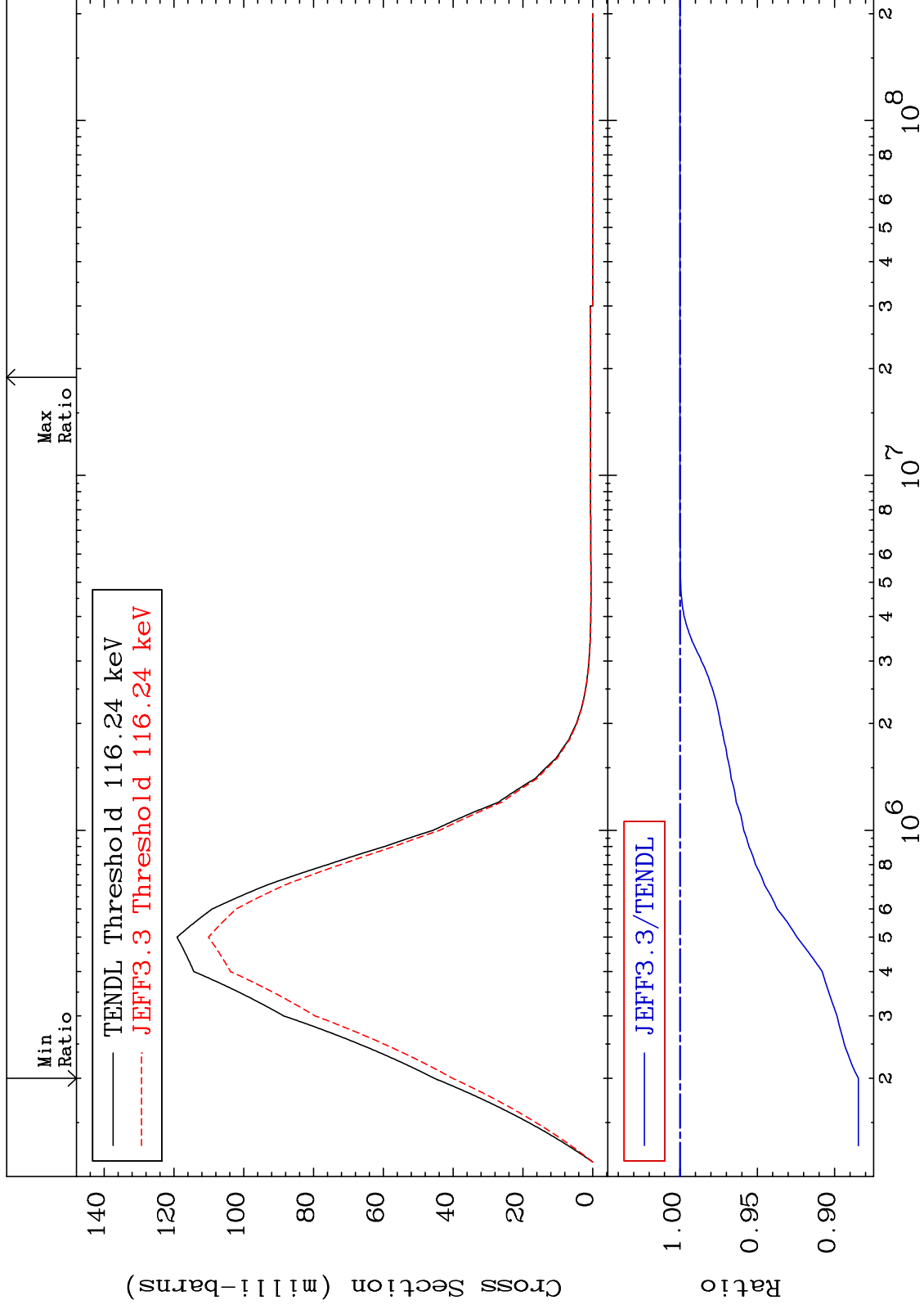
65-Tb-158
-19.00 To 0.000 %



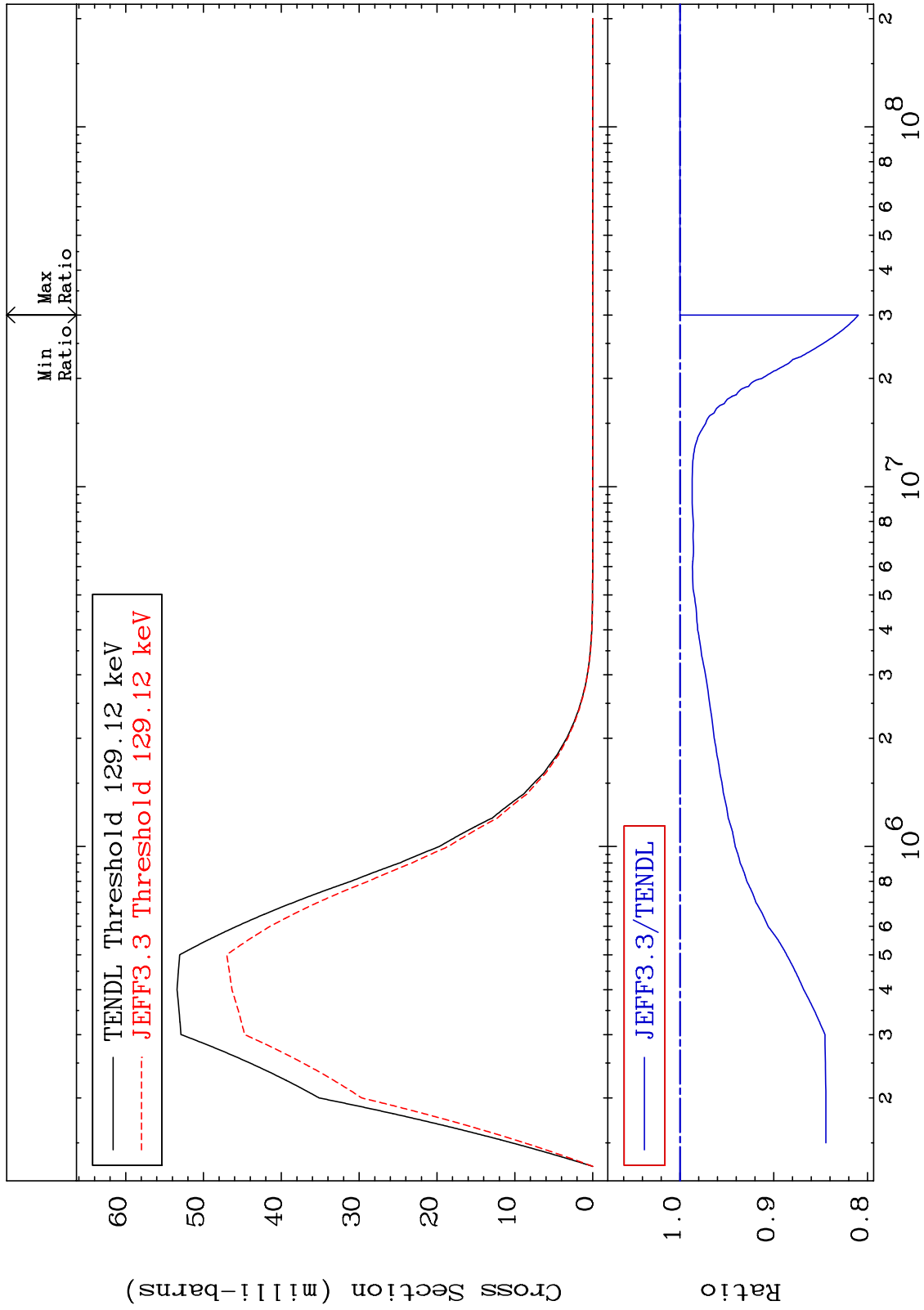
MAT 6522

MT= 54 (n,n') Level
Cross Section

65-Tb-158
-11.54 To 0.000 %



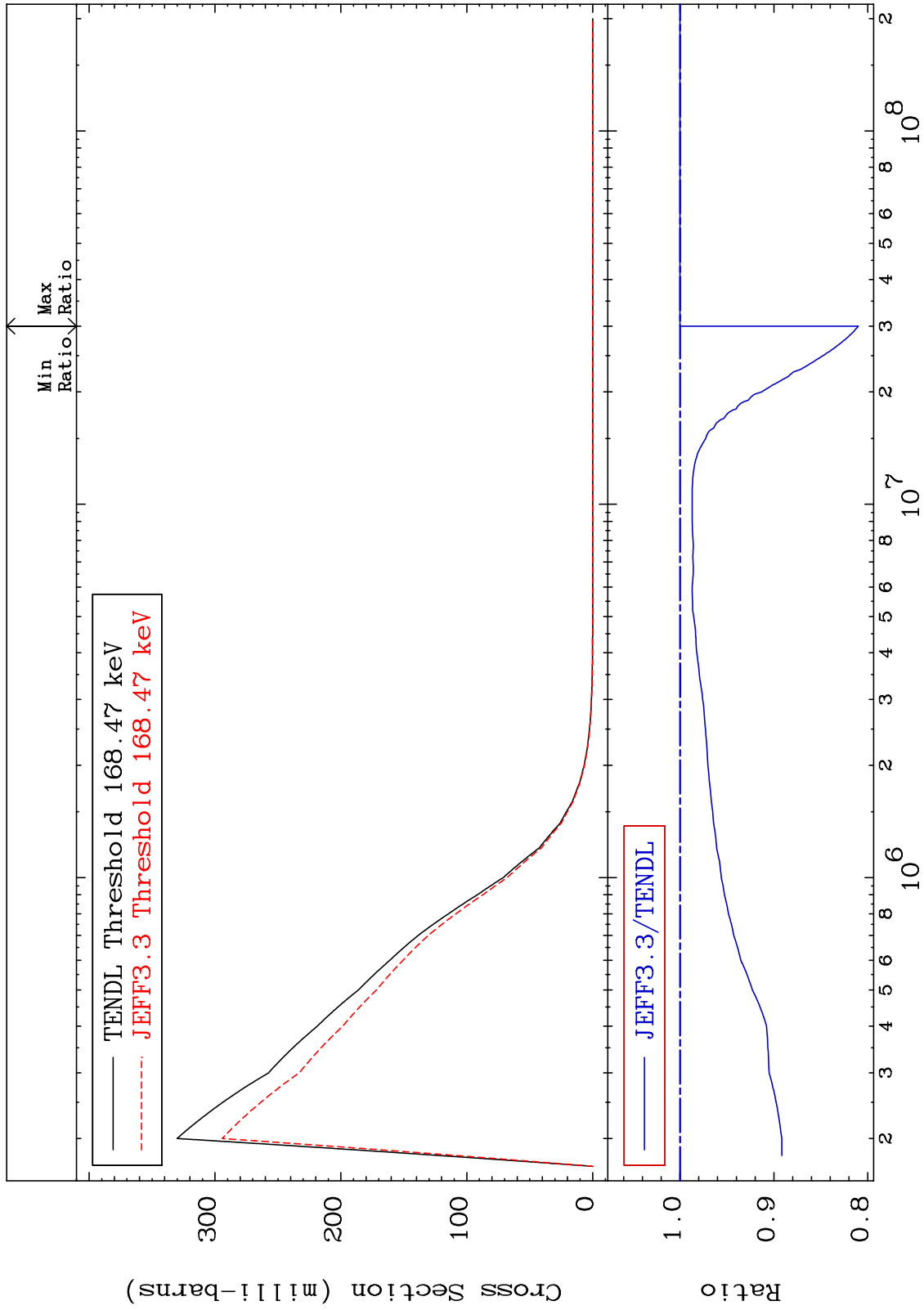
MAT 6522 MT= 55 (n,n') Level Cross Section 65-Tb-158
 -19.03 To 0.000 %



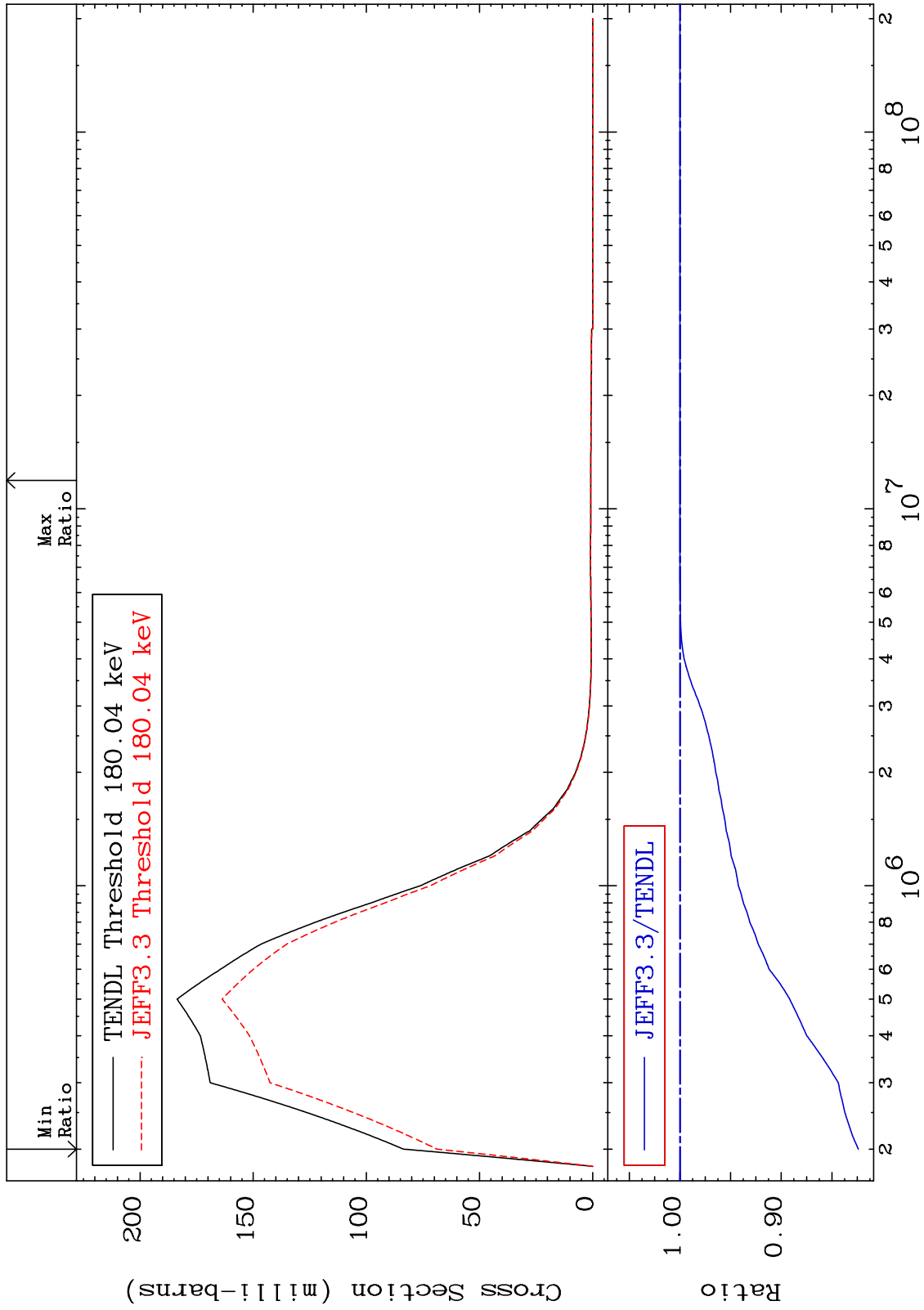
MAT 6522

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

65-Tb-158
-19.01 To 0.000 %



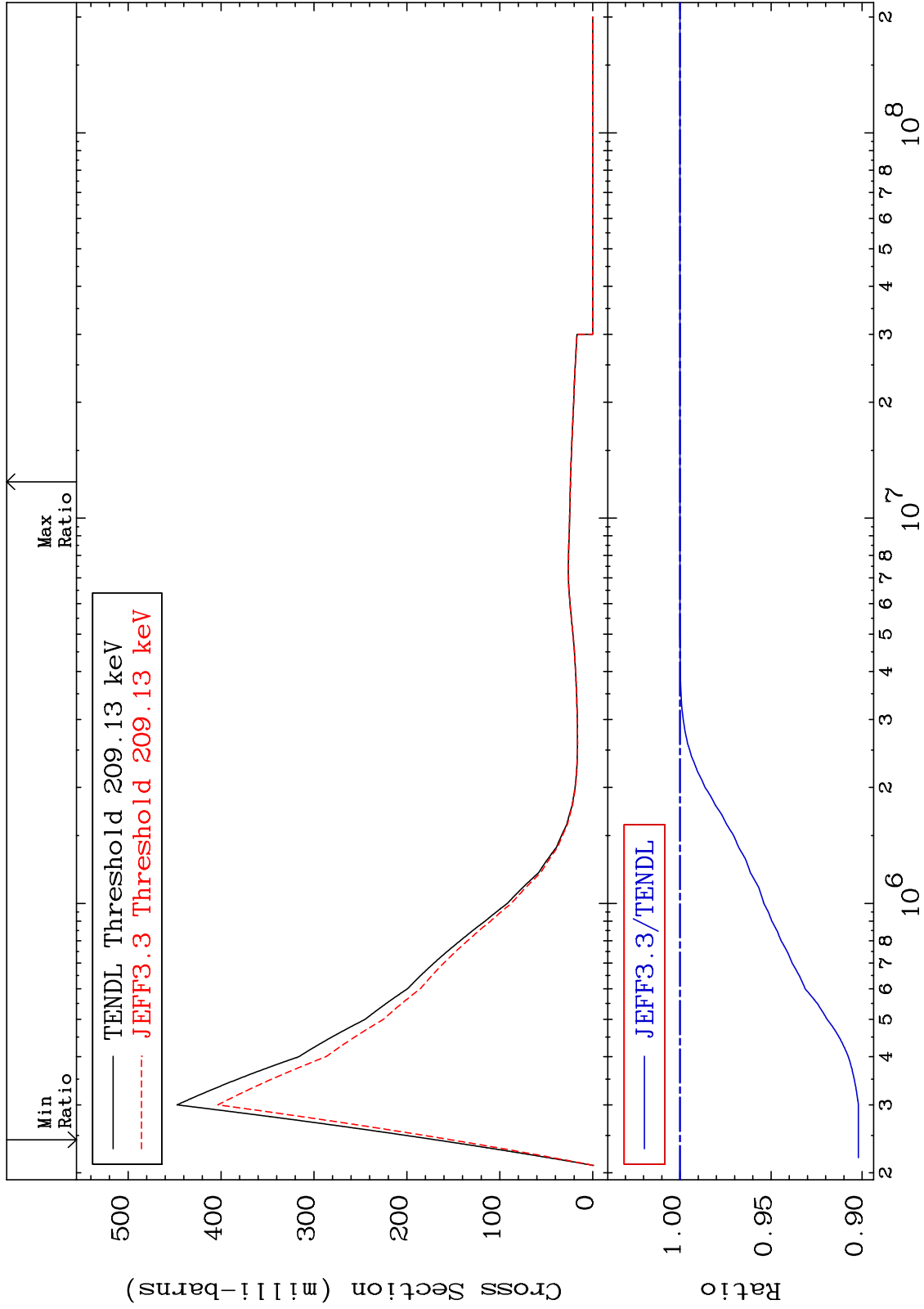
MAT 6522 MT= 57 (n,n') Level Cross Section 65-Tb-158 -17.62 To 0.000 %



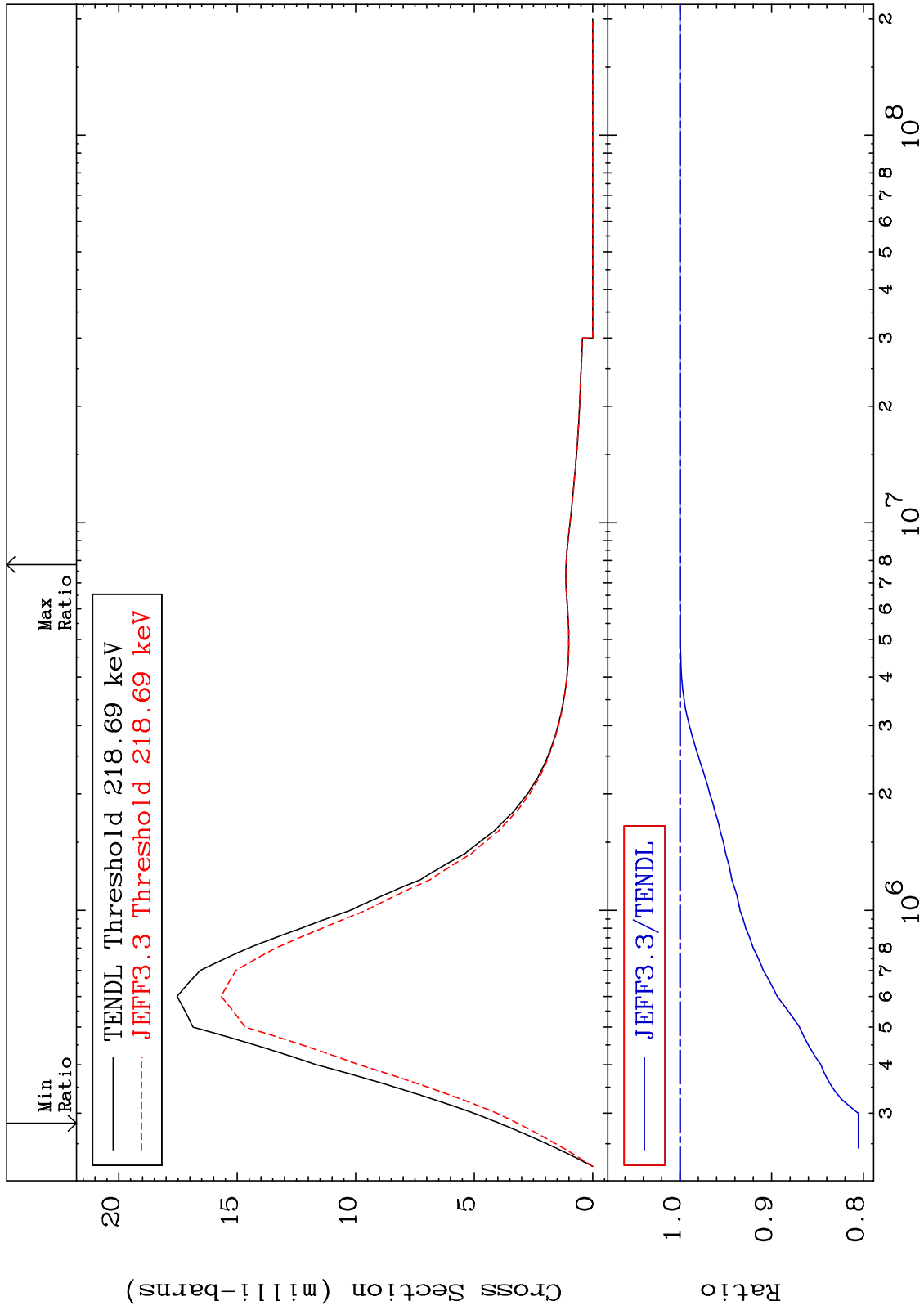
MAT 6522

MT= 58 (n,n') Level
Cross Section

65-Tb-158
-9.798 To 0.000 %



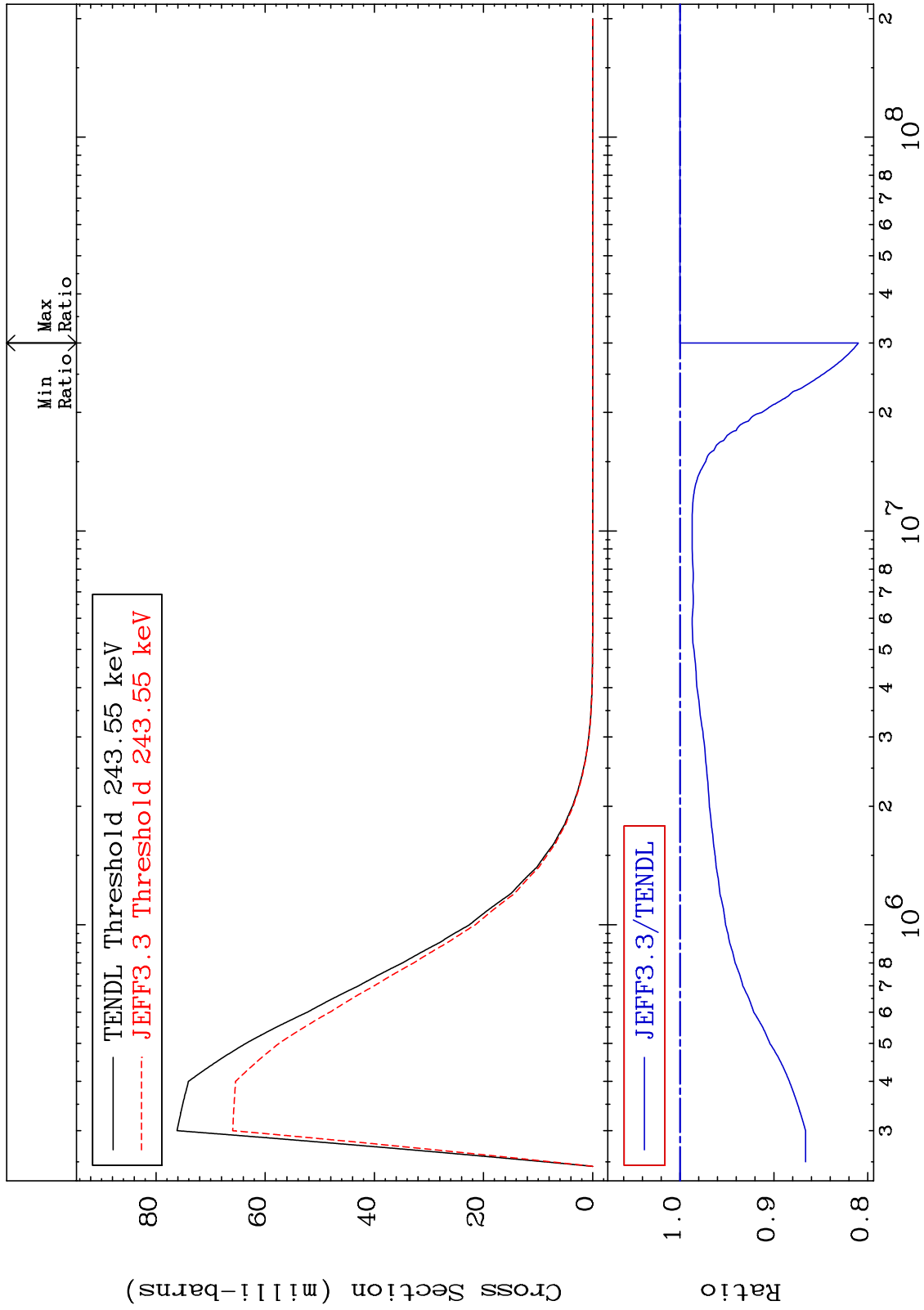
MAT 6522 MT= 59 (n, n') Level Cross Section 65-Tb-158
 -19.47 To 0.000 %



MAT 6522

MT= 60 (n,n') Level
Cross Section

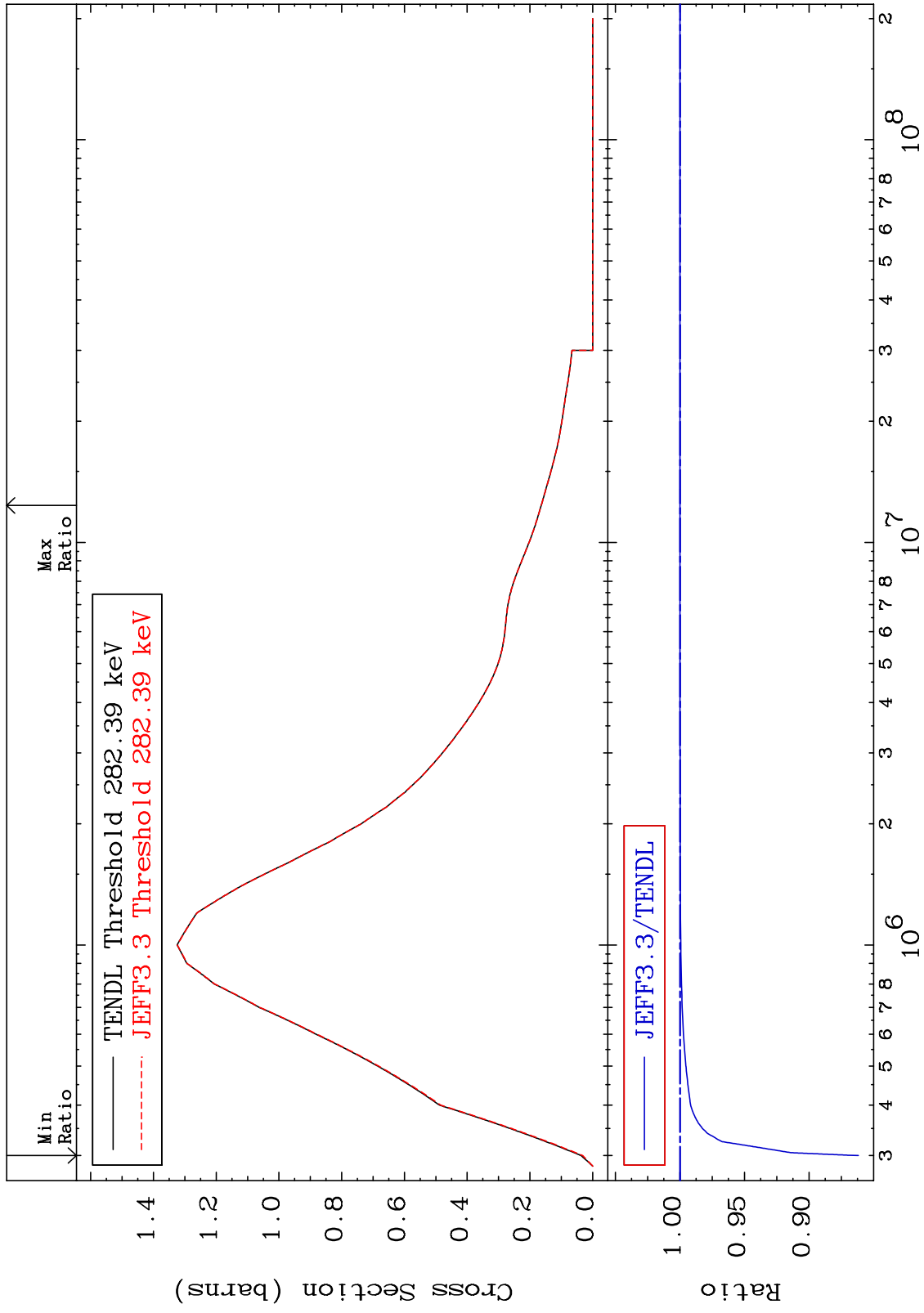
65-Tb-158
-19.01 To 0.000 %



MAT 6522

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

65-Tb-158
-13.81 To 0.000 %



30

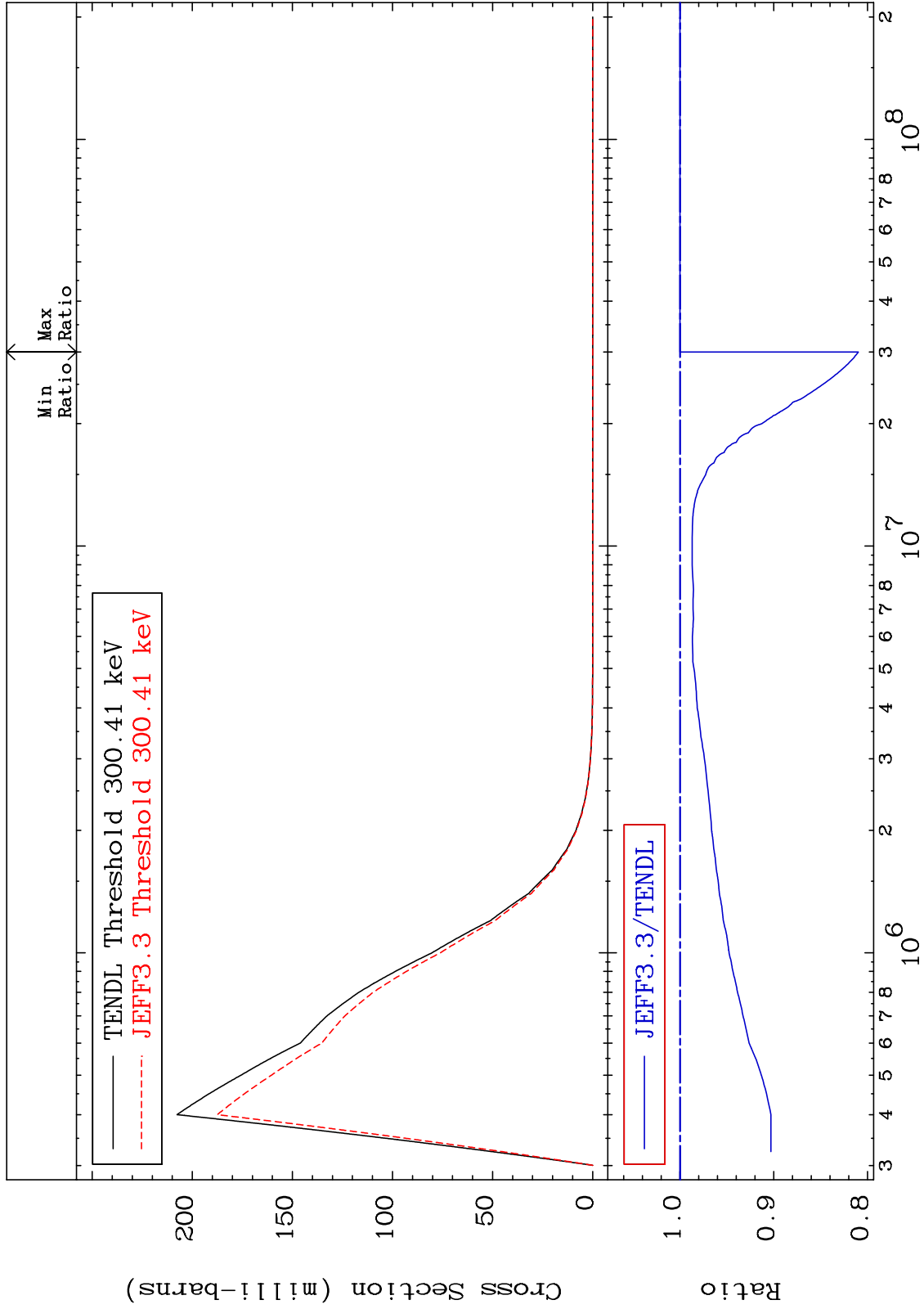
Incident Energy (eV)

65-Tb-158

MAT 6522

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

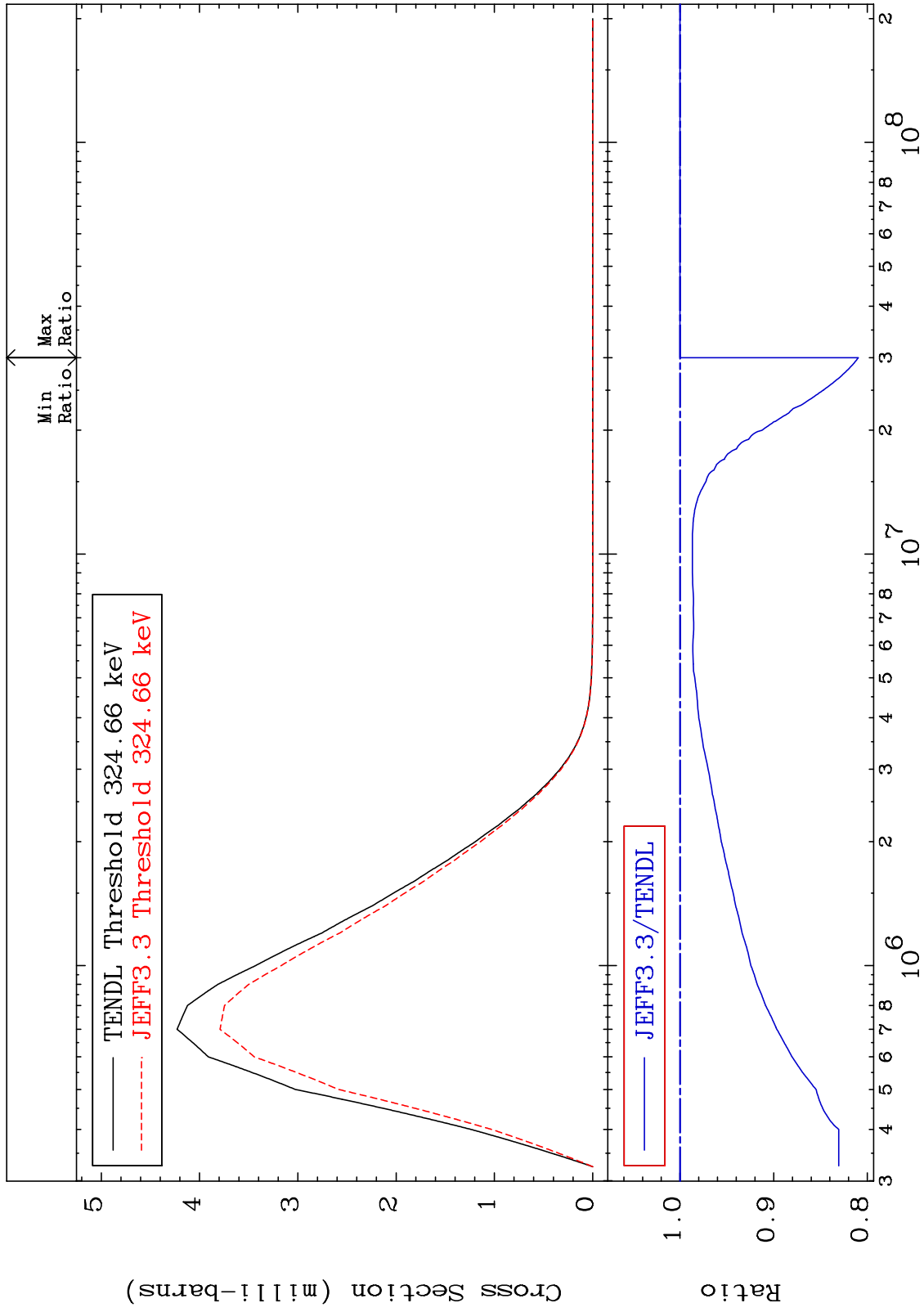
65-Tb-158
-19.02 To 0.000 %



MAT 6522

MT= 63 (n,n') Level
Cross Section

65-Tb-158
-19.04 To 0.000 %



32

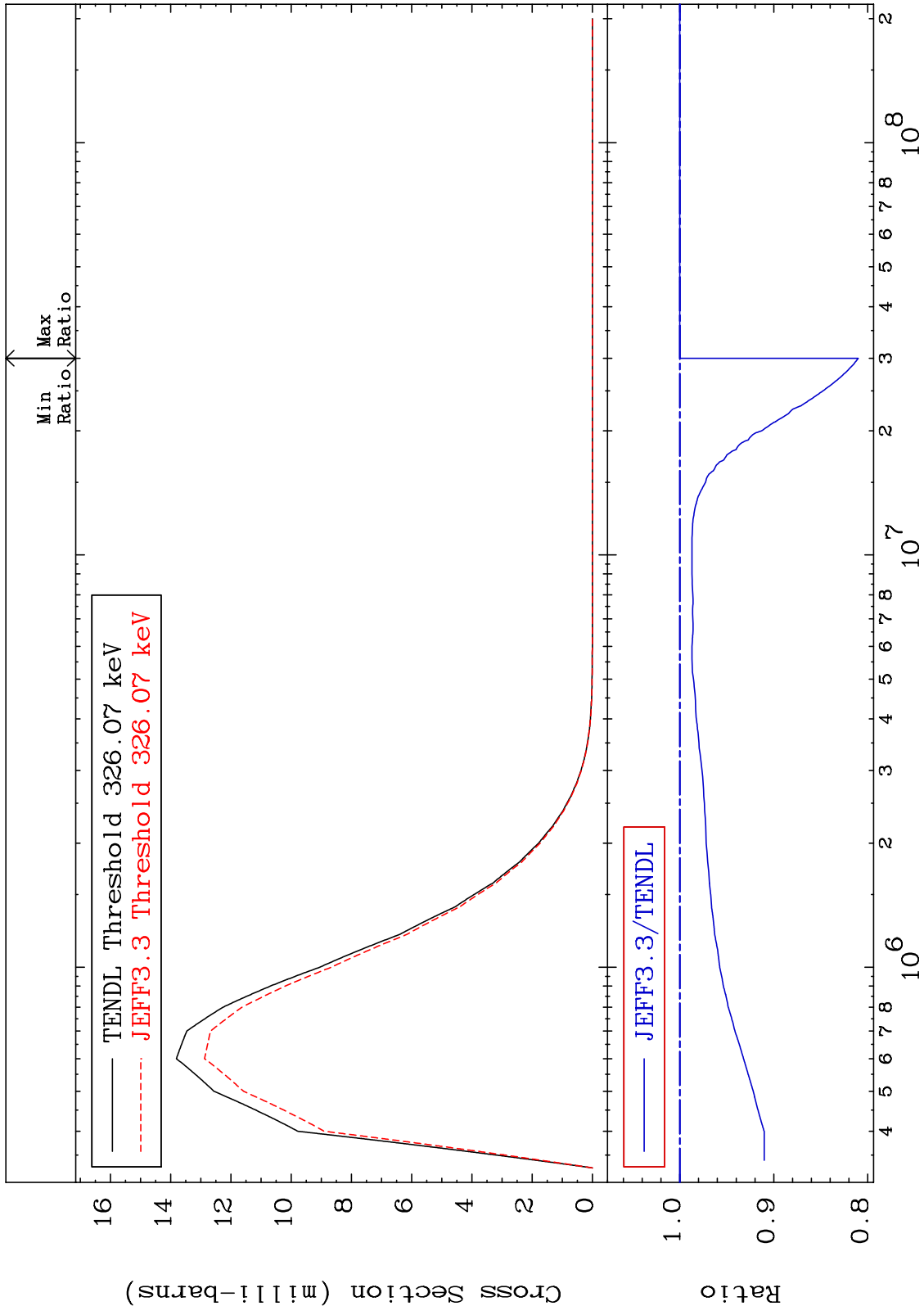
Incident Energy (eV)

65-Tb-158

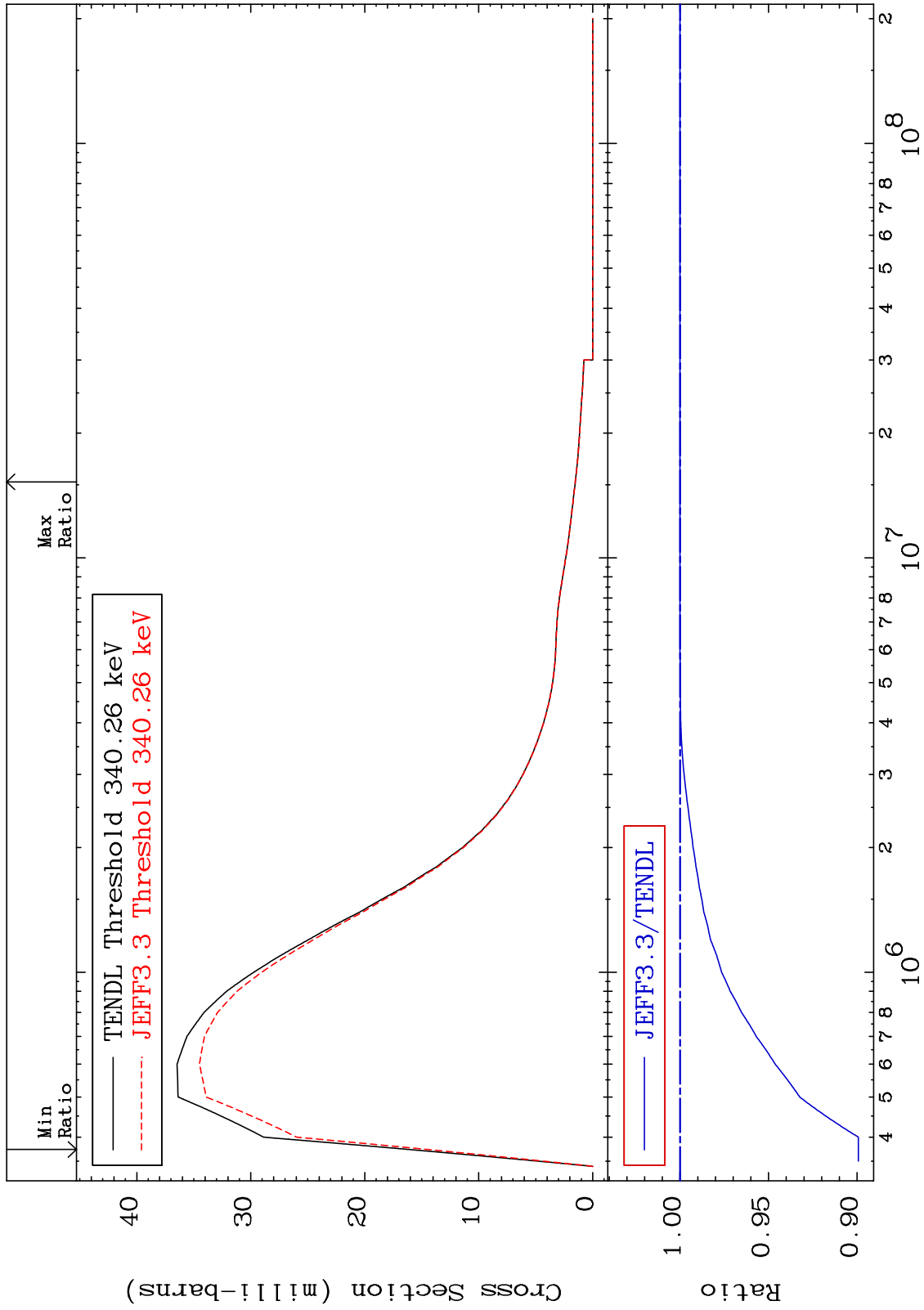
MAT 6522

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

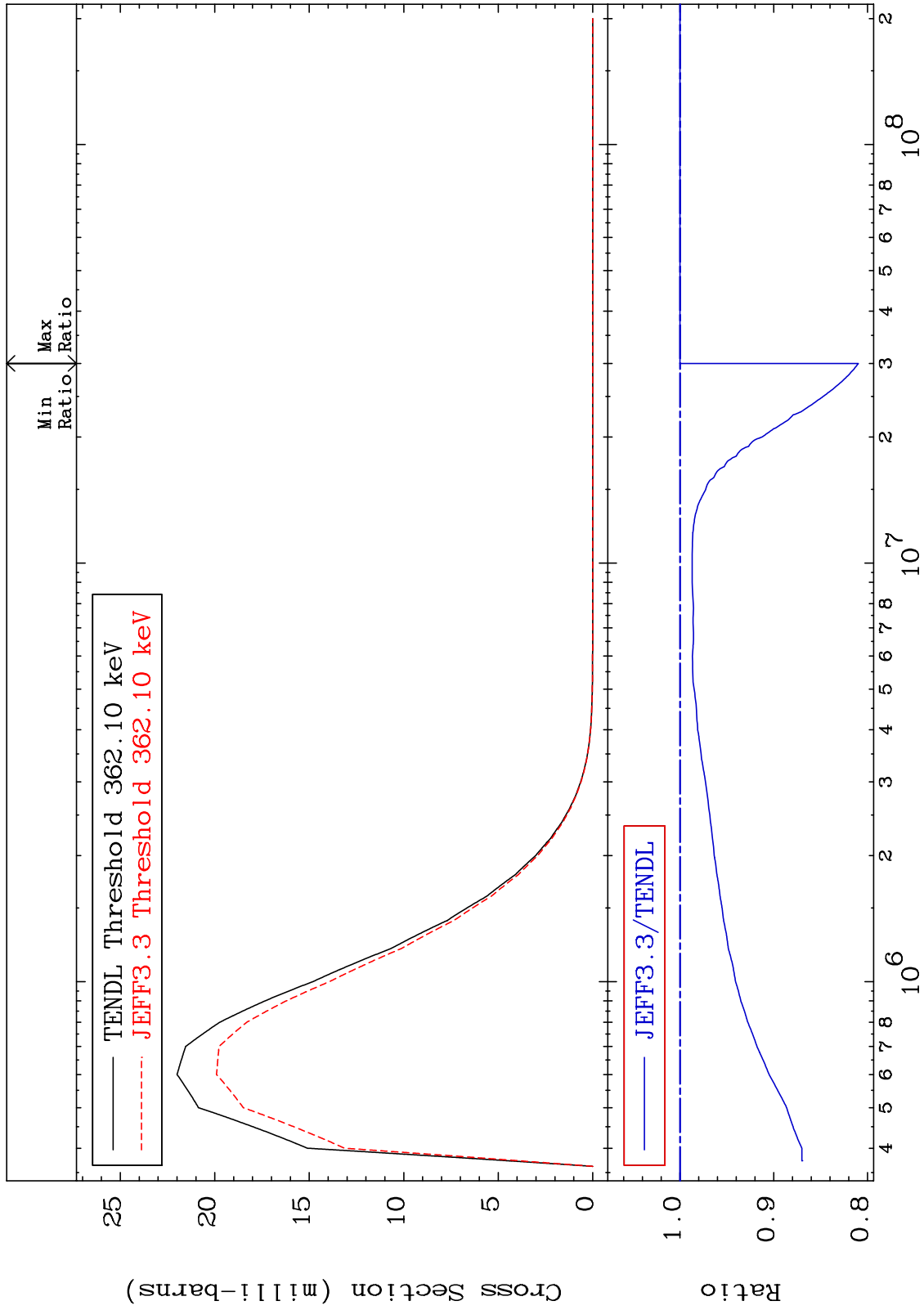
65-Tb-158
-19.00 To 0.000 %



MAT 6522 MT= 65 (n,n') Level Cross Section -10.07 To 0.000 % 65-Tb-158

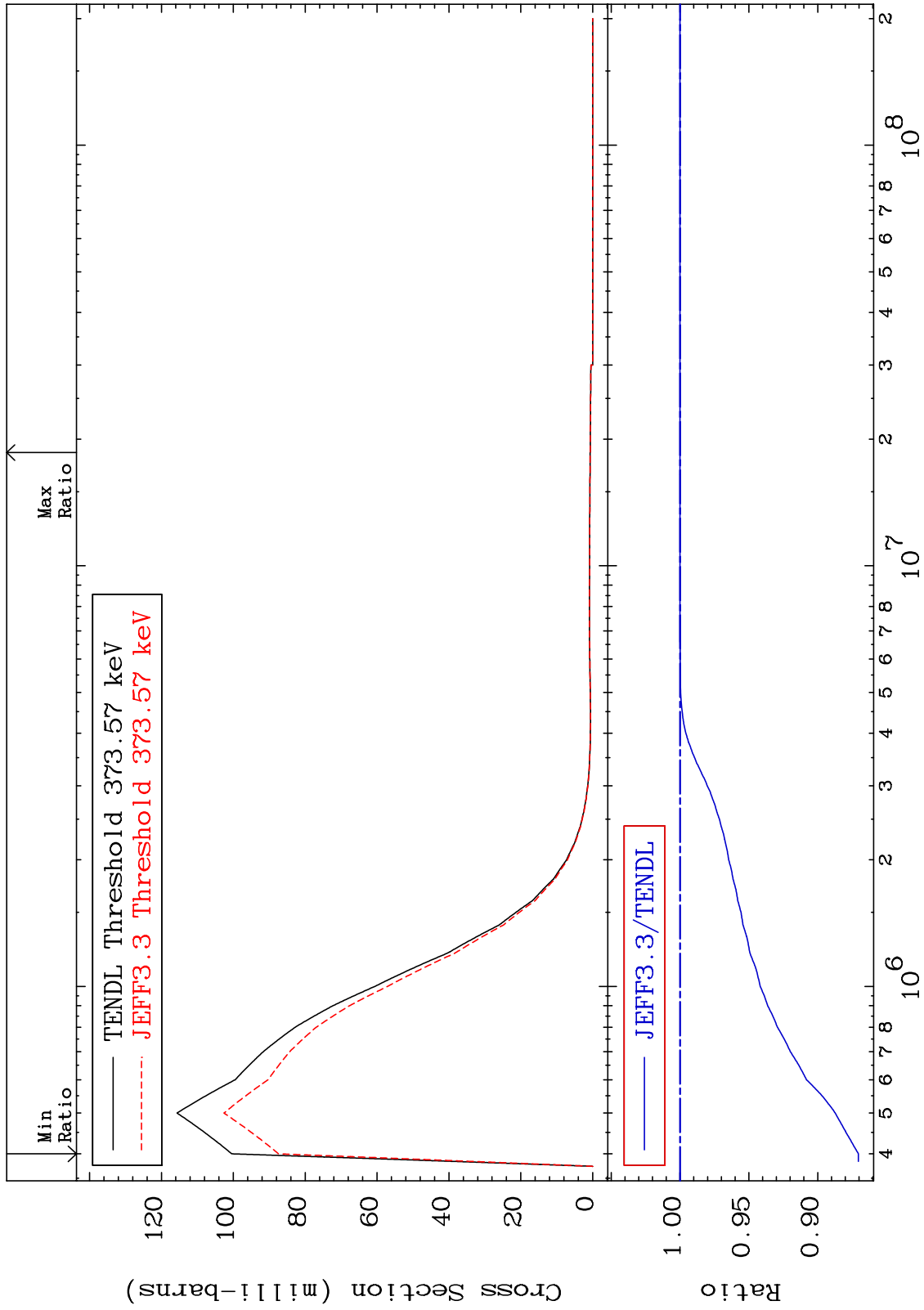


MAT 6522 MT= 66 (n,n') Level Cross Section 65-Tb-158
 -19.03 To 0.000 %

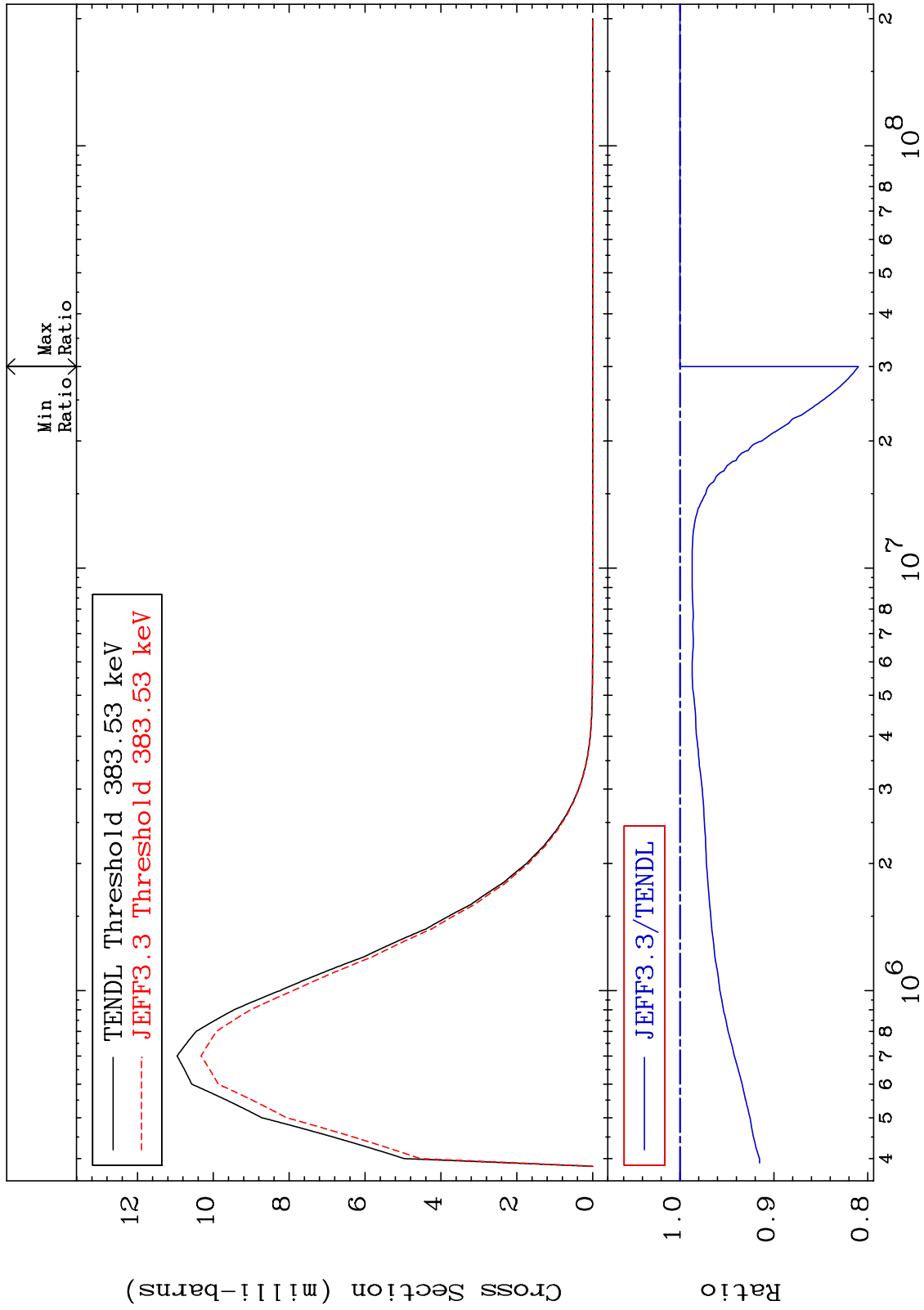


35 Incident Energy (eV) 65-Tb-158

MAT 6522 MT= 67 (n,n') Level Cross Section -12.96 To 0.000 % 65-Tb-158



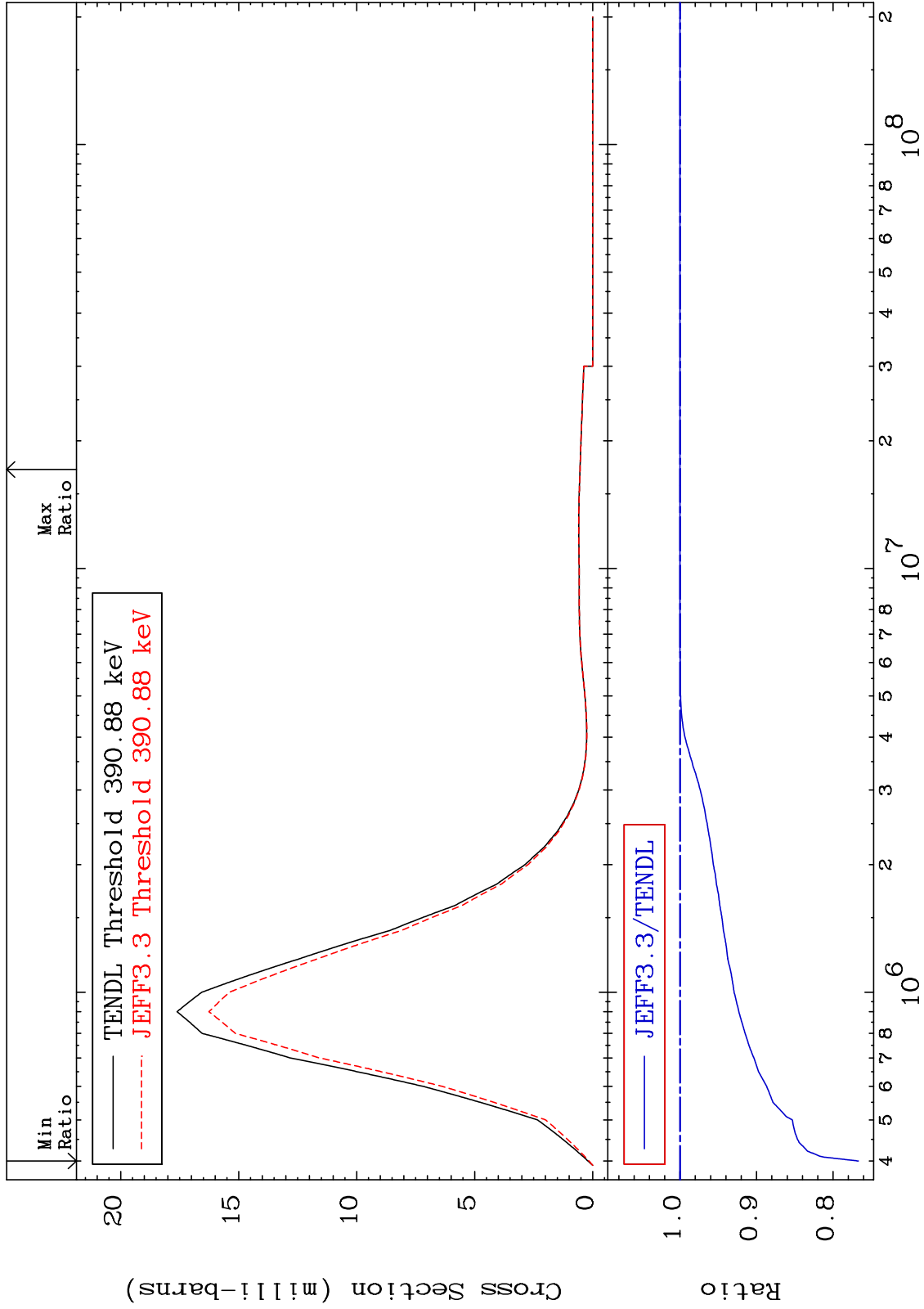
MAT 6522 MT= 68 (n,n') Level Cross Section 65-Tb-158
 -19.00 To 0.000 %



MAT 6522

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

65-Tb-158
-23.31 To 0.000 %



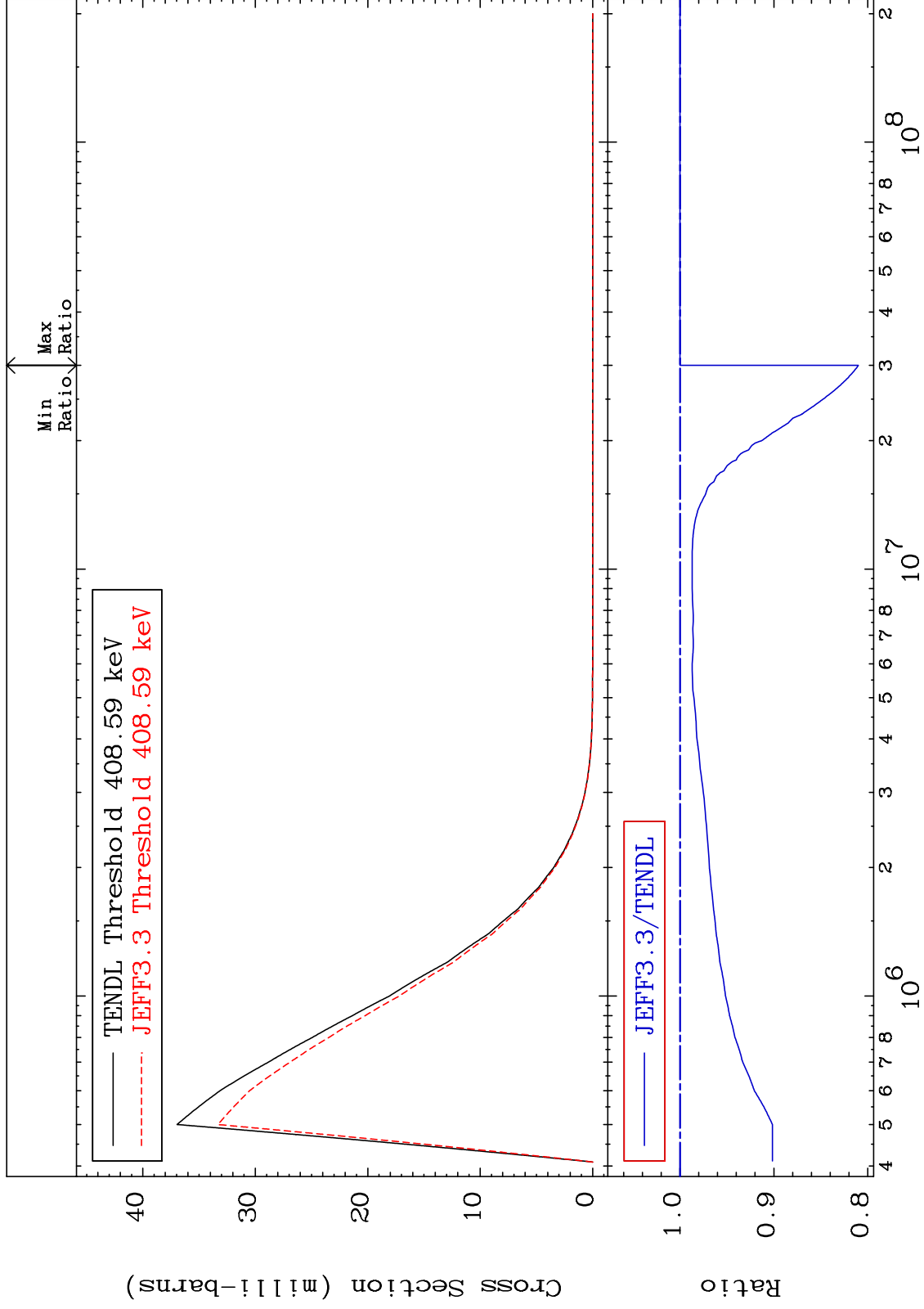
38

65-Tb-158

MAT 6522

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

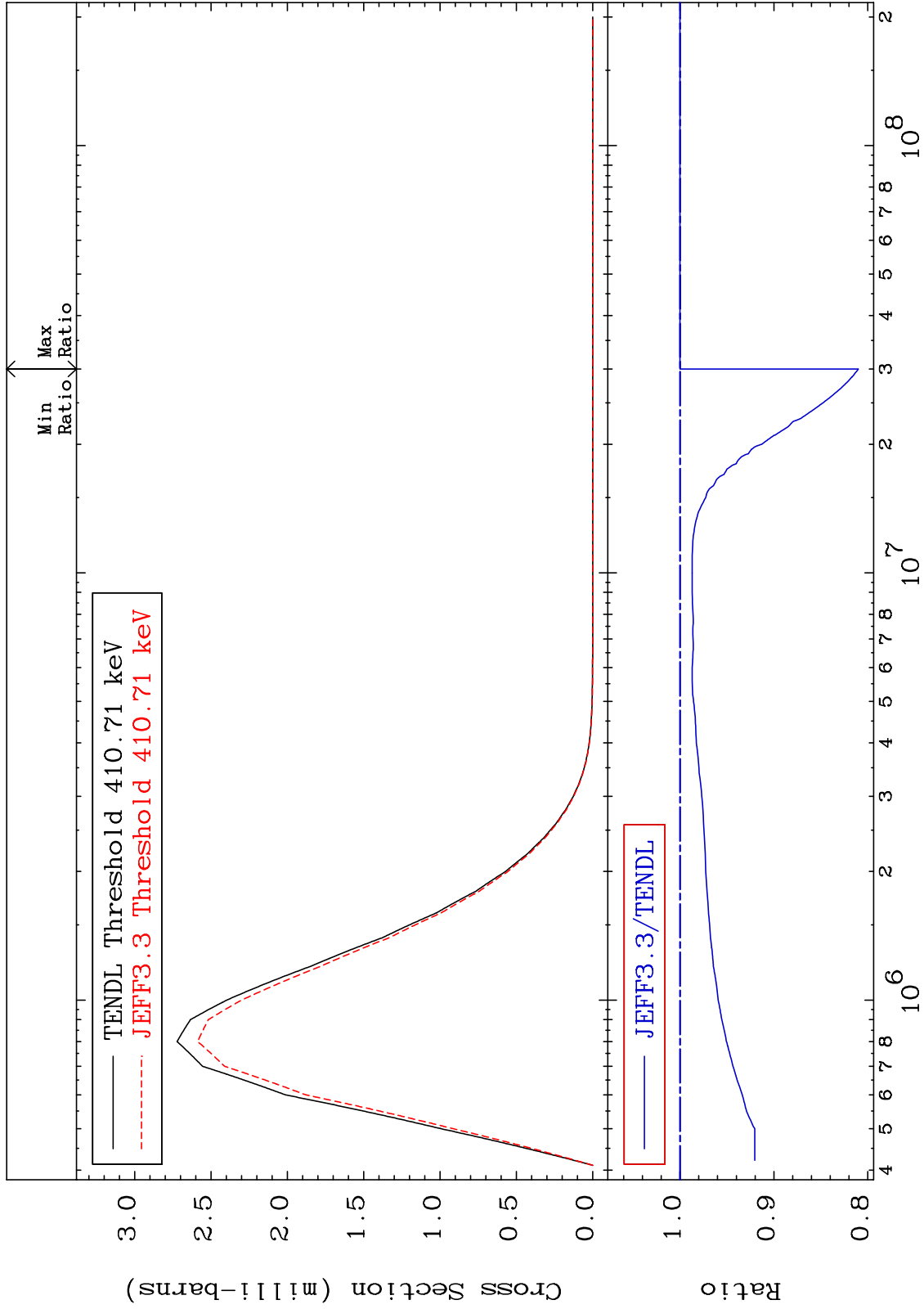
65-Tb-158
-19.01 To 0.000 %



MAT 6522

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

65-Tb-158
-19.00 To 0.000 %

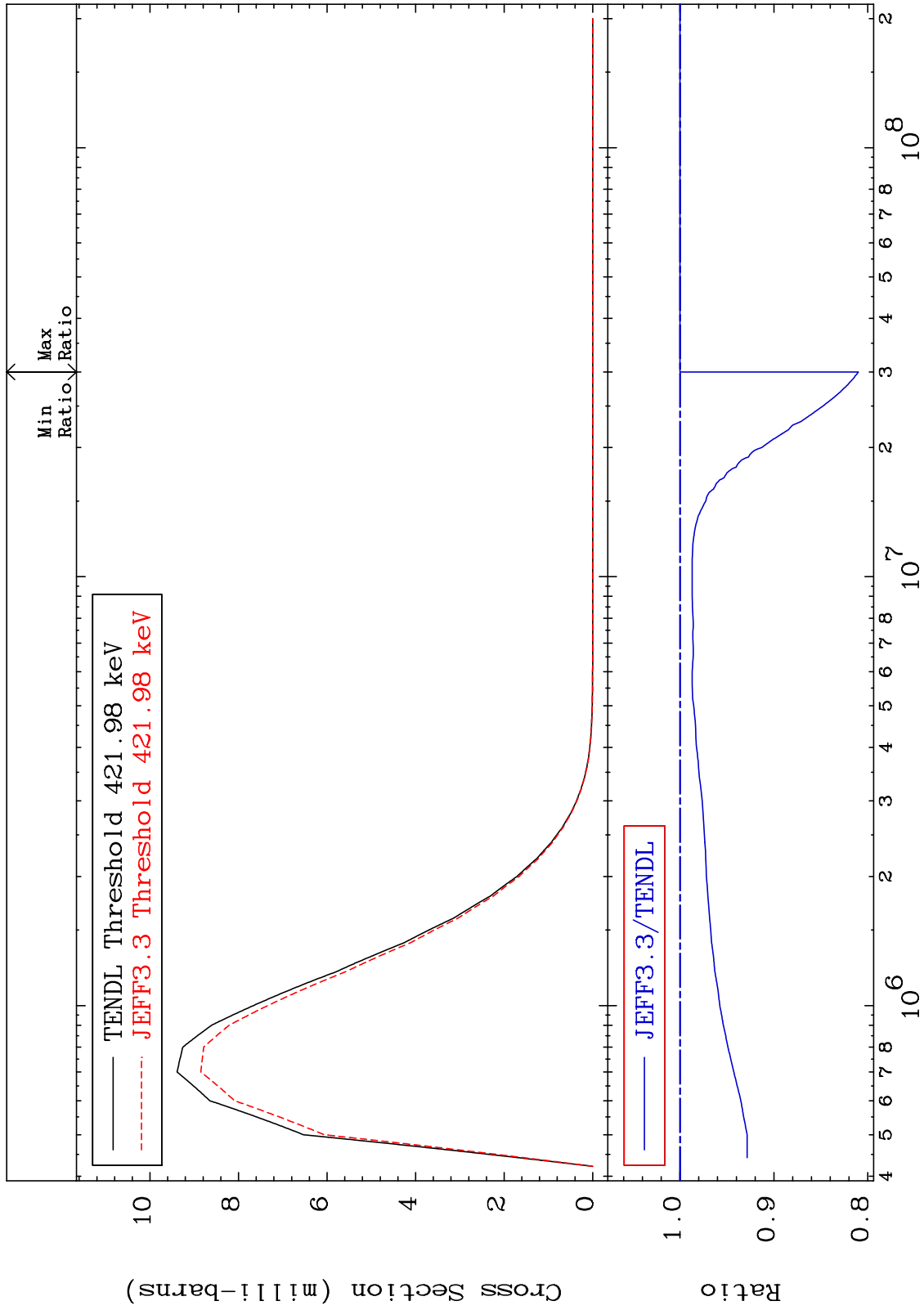


40

Incident Energy (eV)

65-Tb-158

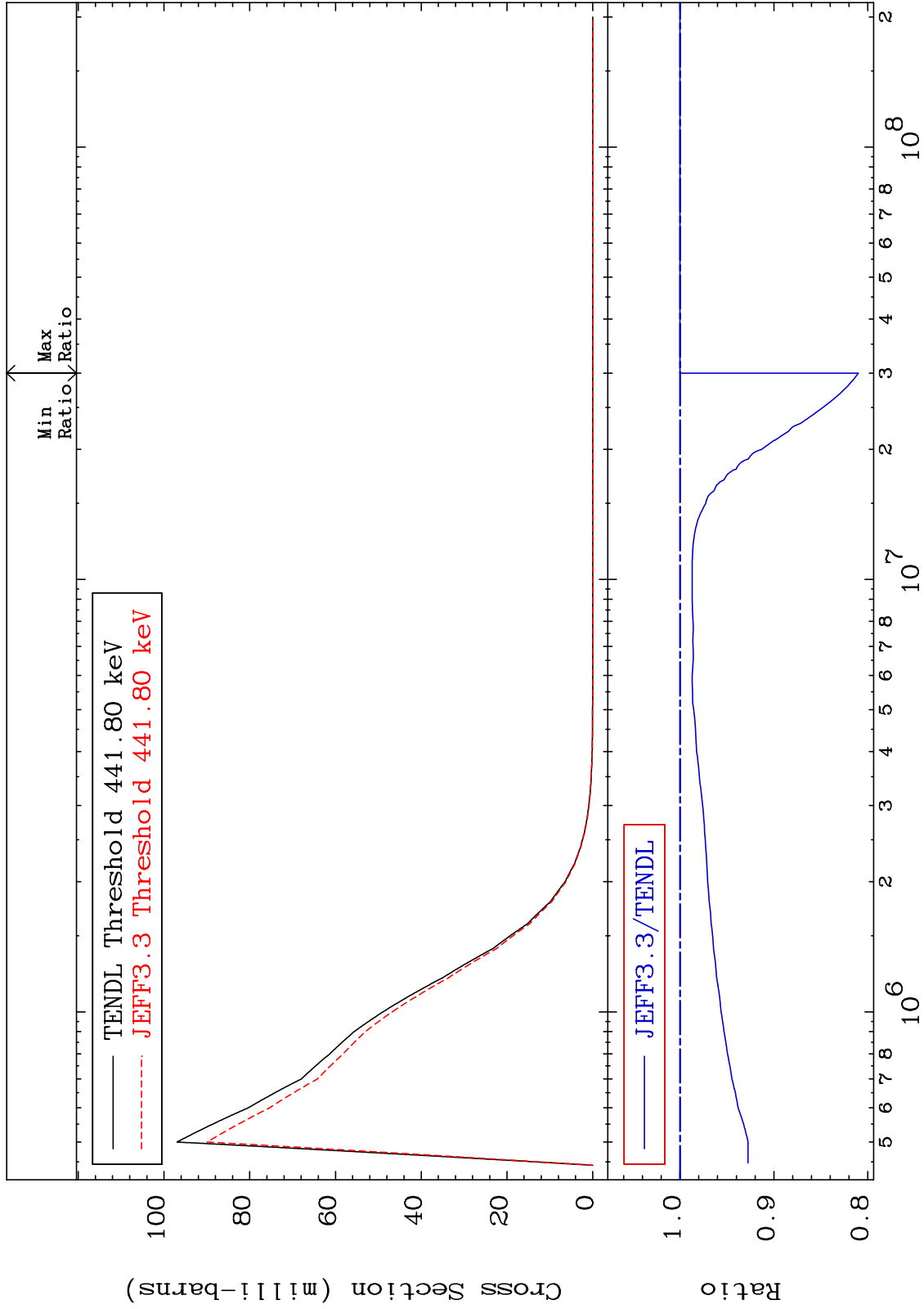
MAT 6522 MT= 72 (n,n') Level Cross Section 65-Tb-158
 -19.00 To 0.000 %



MAT 6522

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

65-Tb-158
-19.01 To 0.000 %

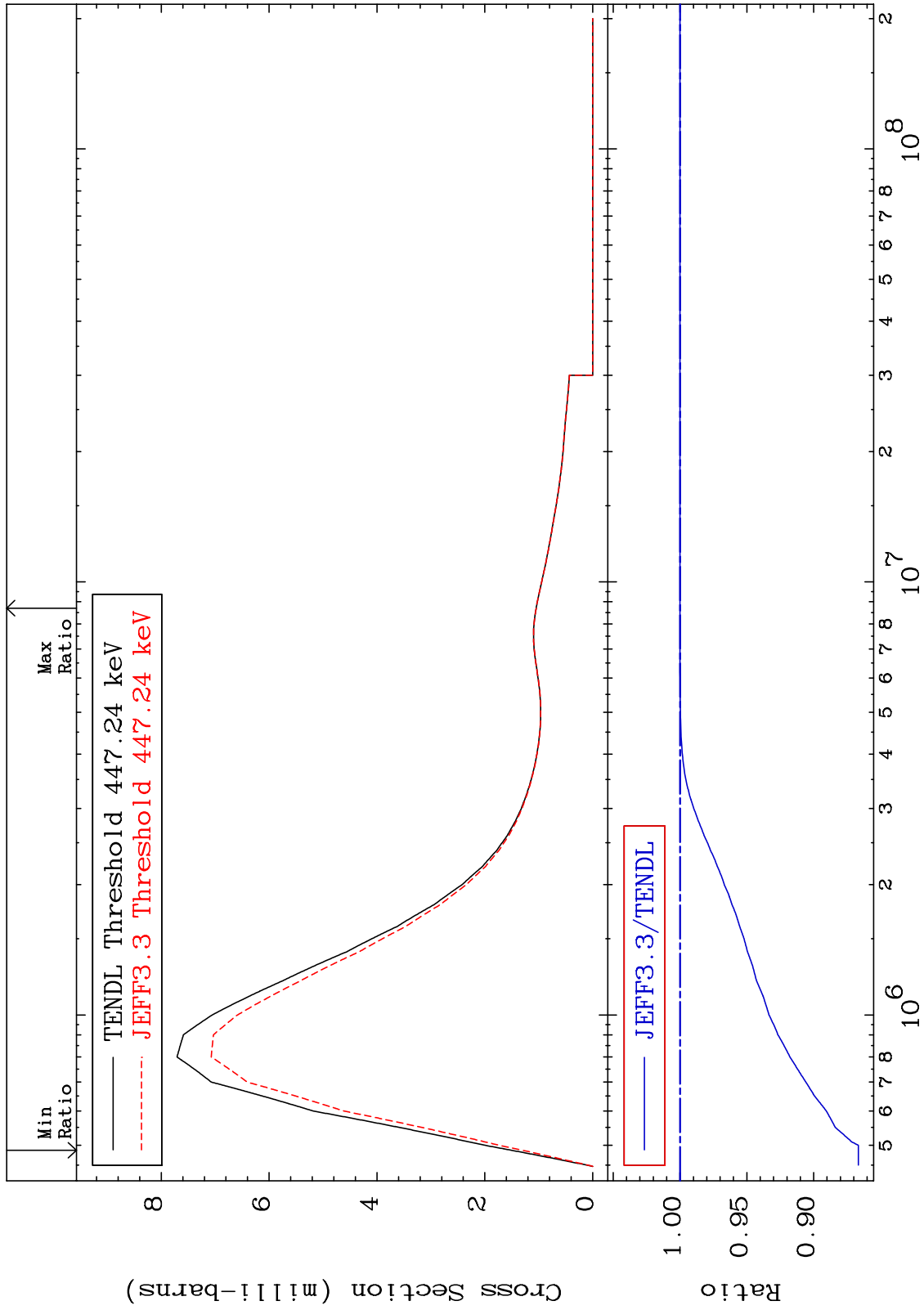


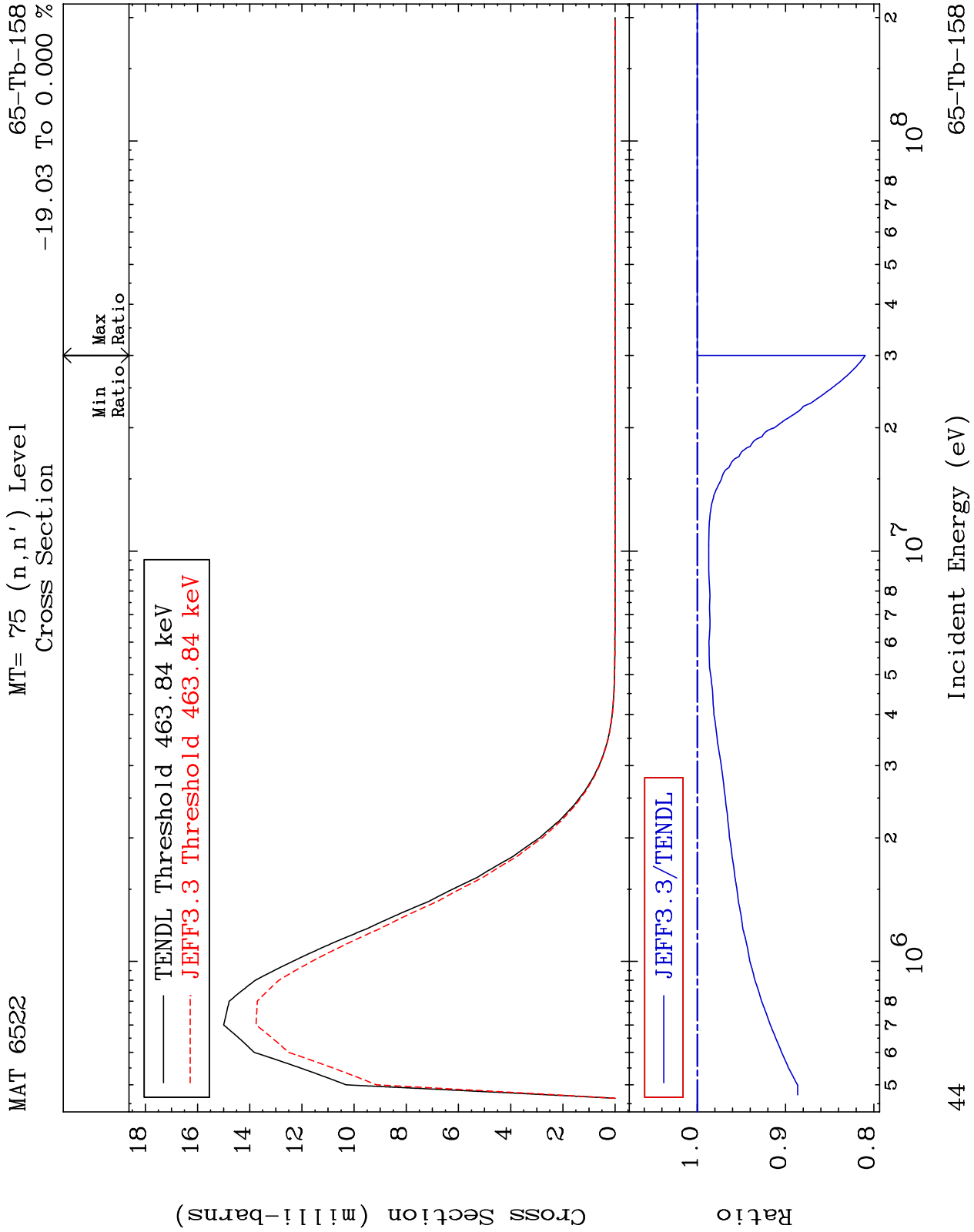
42

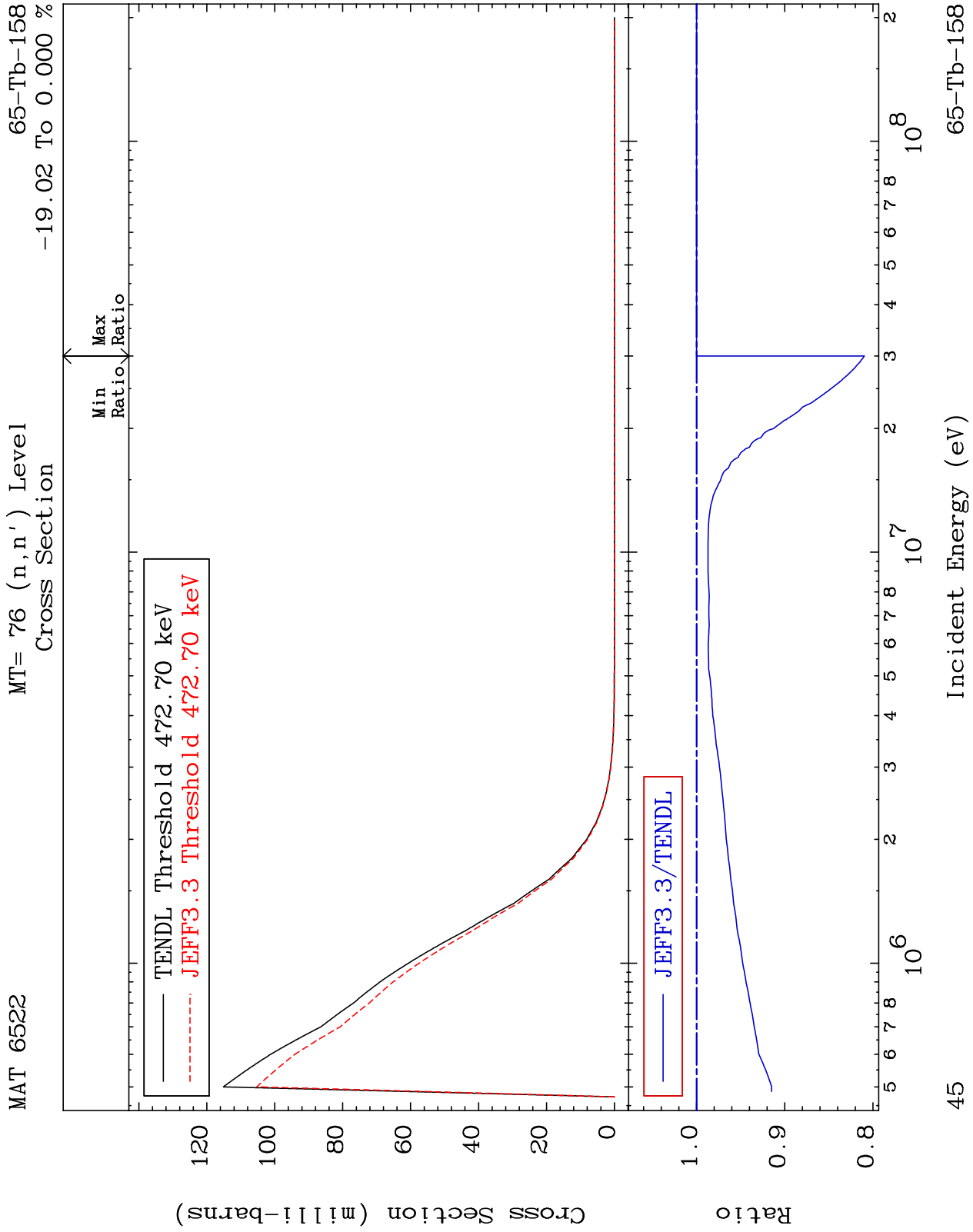
Incident Energy (eV)

65-Tb-158

MAT 6522 MT= 74 (n,n') Level Cross Section -13.35 To 0.000 % 65-Tb-158



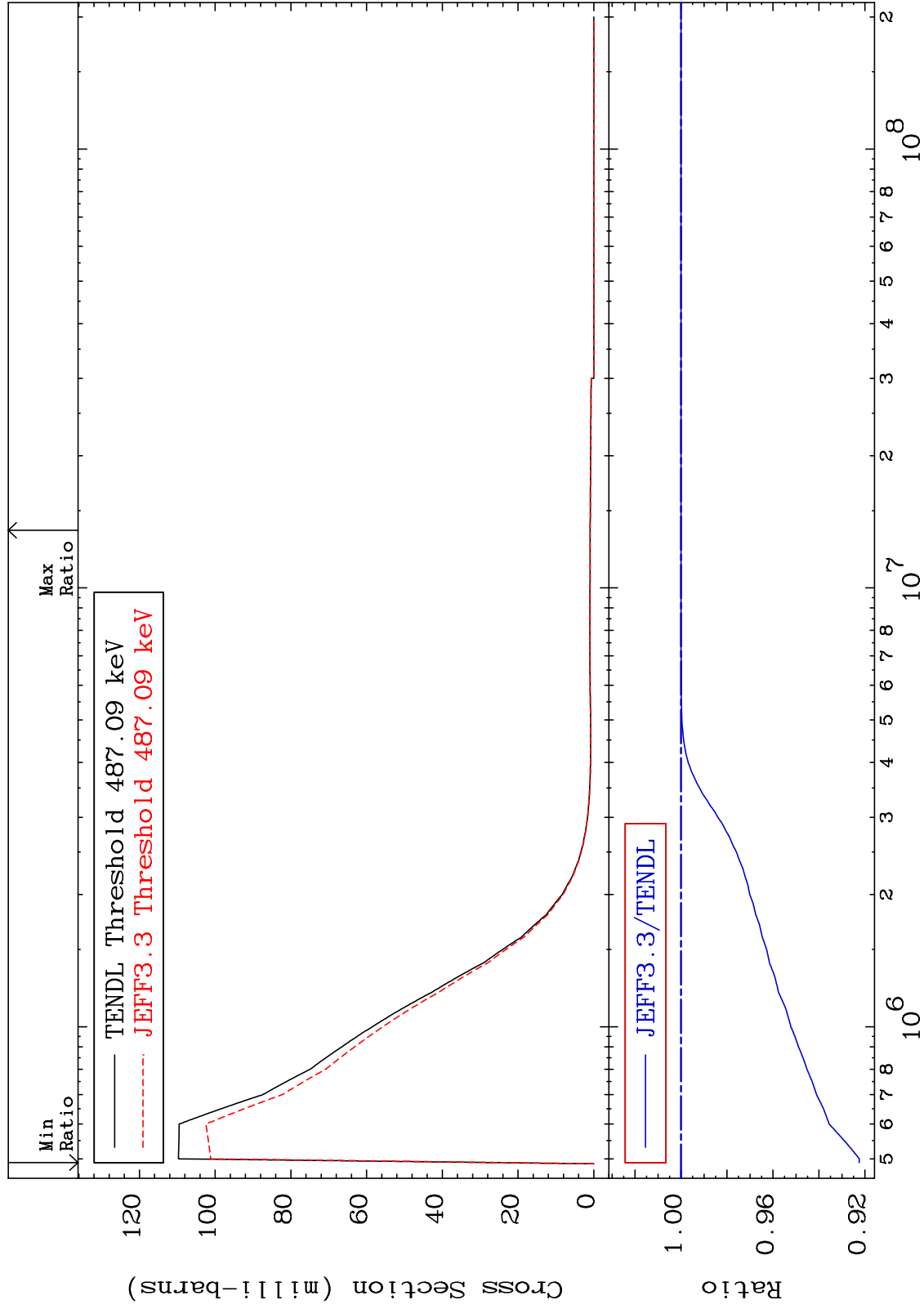




MAT 6522

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

65-Tb-158
-7.753 To 0.000 %



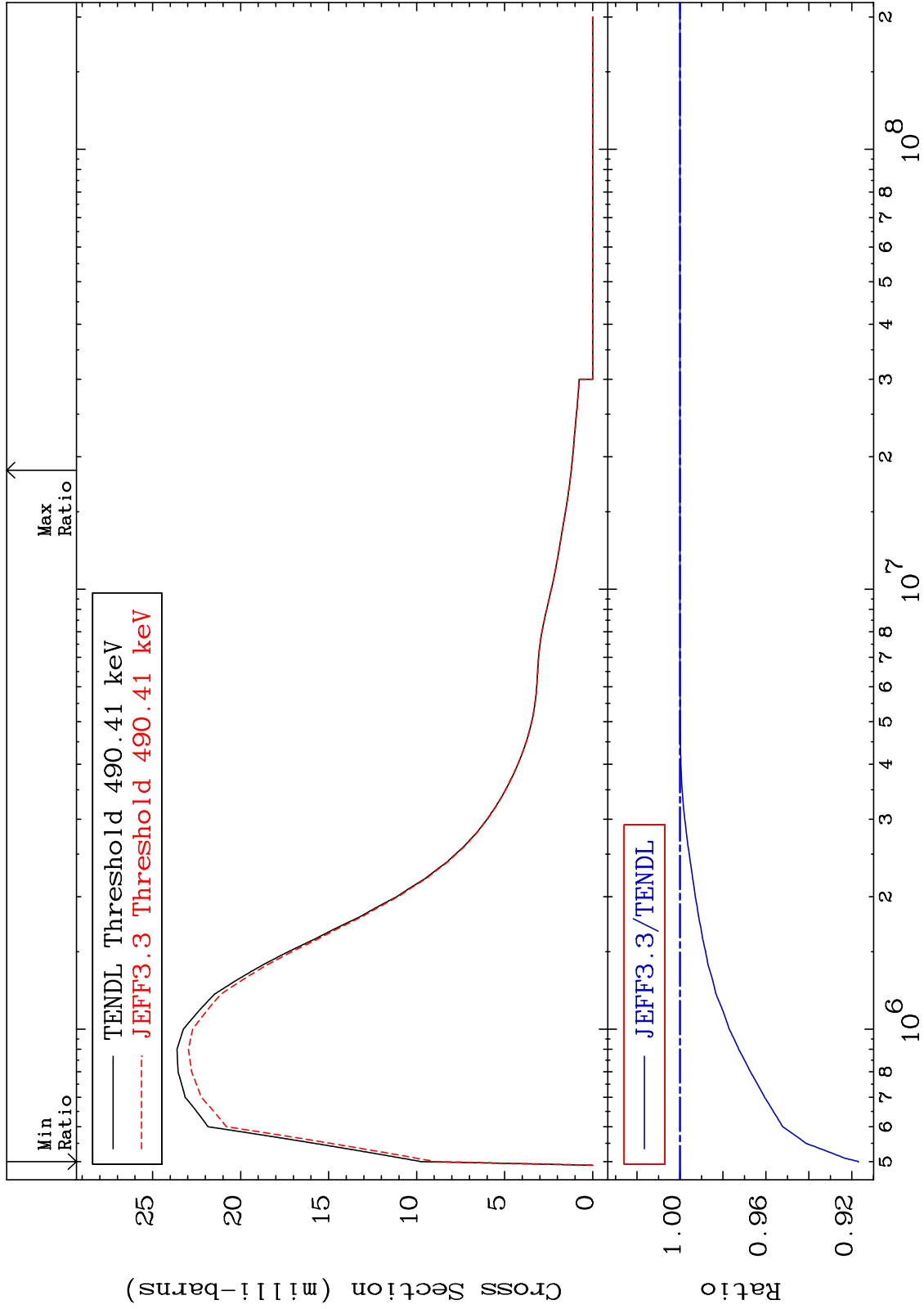
46

65-Tb-158

MAT 6522

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

65-Tb-158
-8.303 To 0.000 %



47

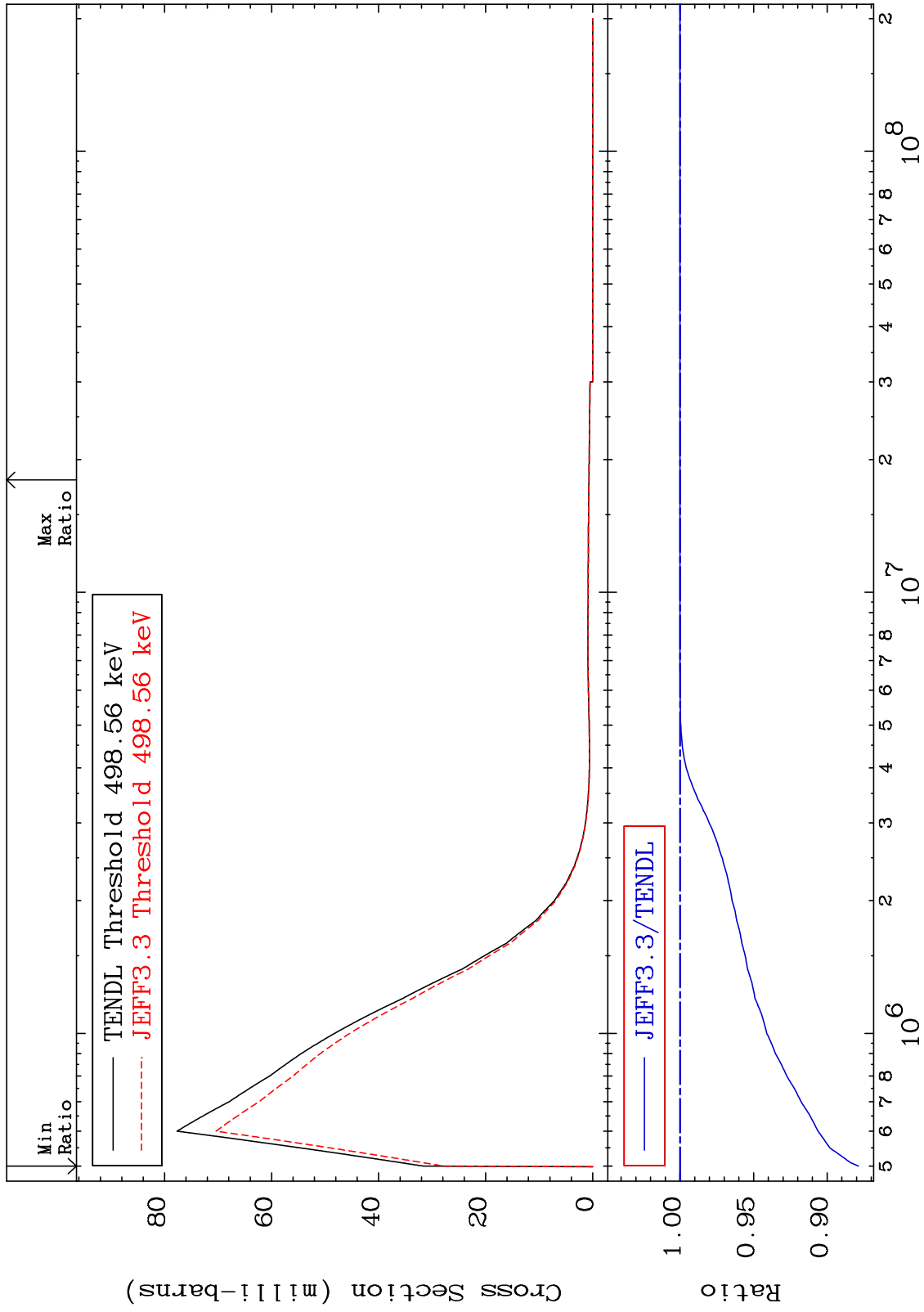
65-Tb-158

65-Tb-158

MAT 6522

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

65-Tb-158
-12.13 To 0.000 %



48

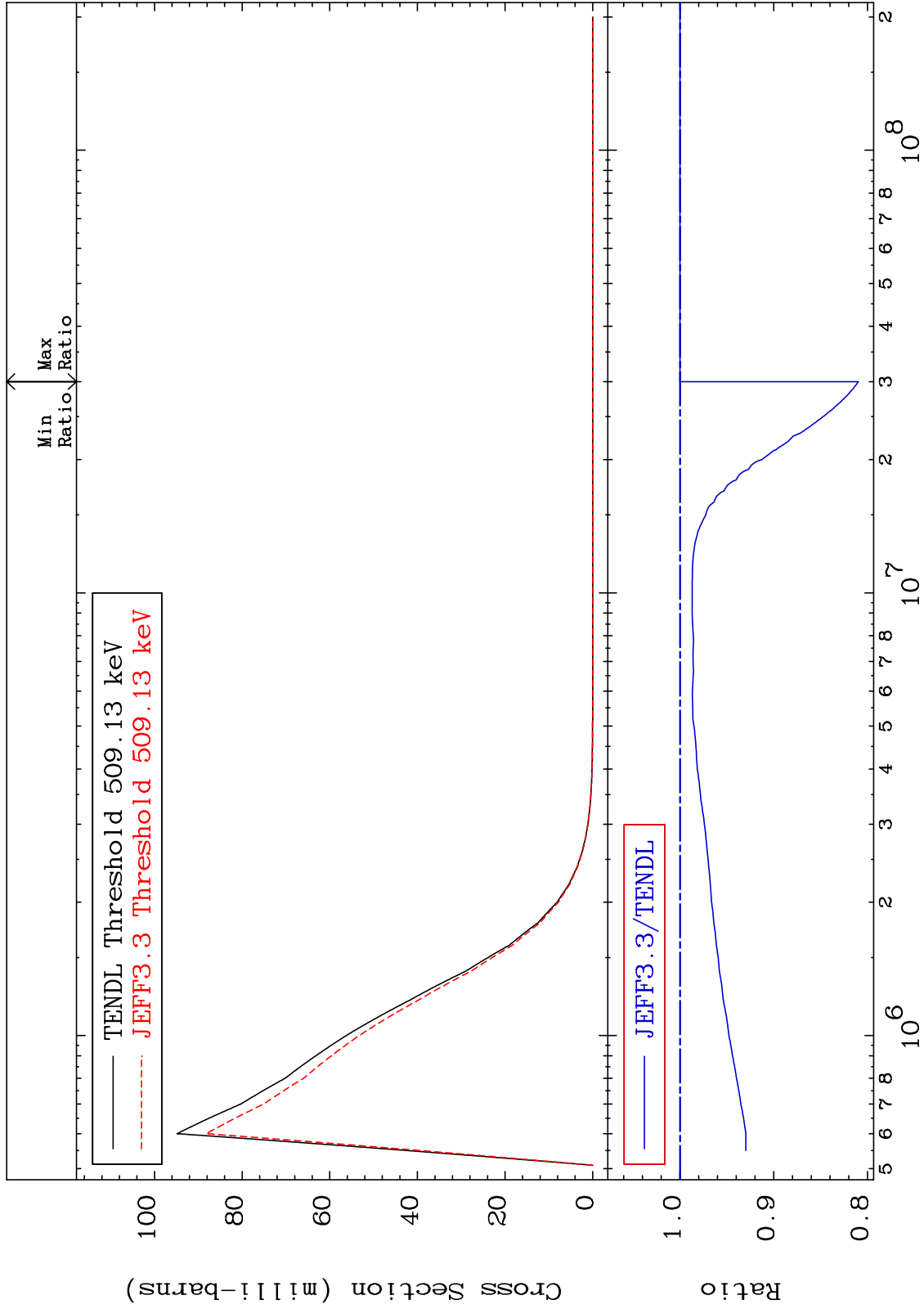
Incident Energy (eV)

65-Tb-158

MAT 6522

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

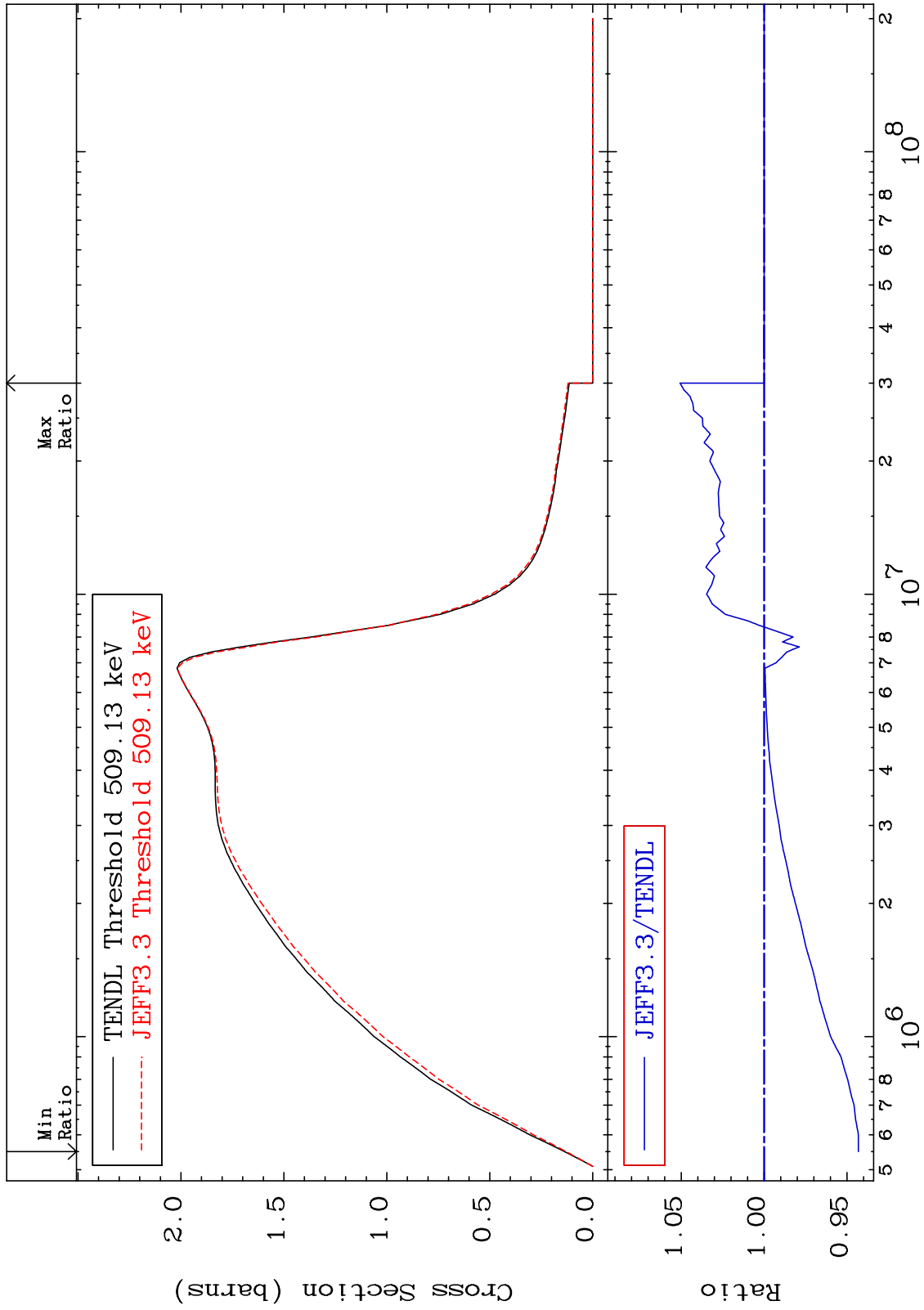
65-Tb-158
-19.02 To 0.000 %



MAT 6522

(n, n') Continuum
Cross Section

65-Tb-158
-5.691 To 5.077 %



50

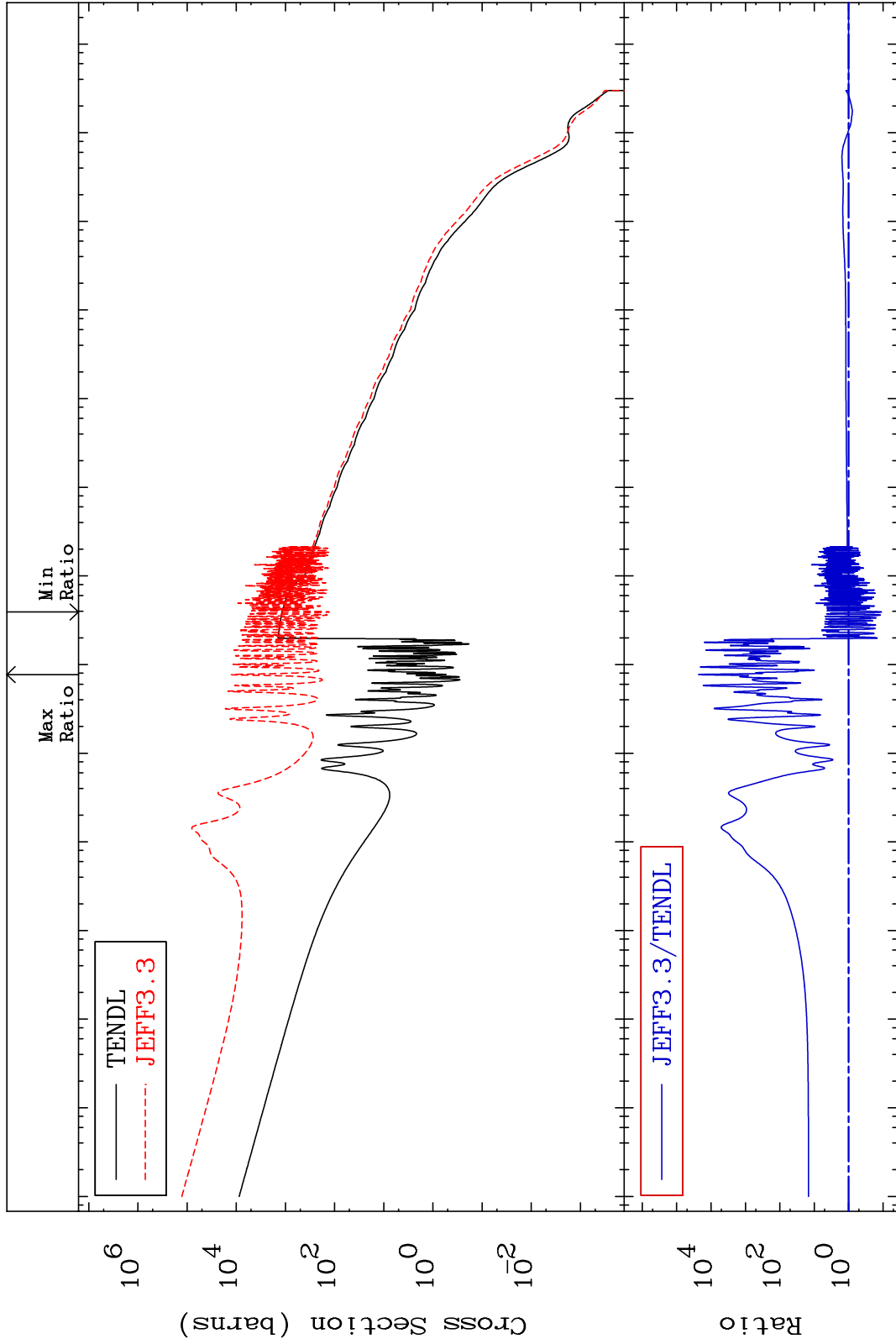
Incident Energy (eV)

65-Tb-158

MAT 6522

65-Tb-158
-88.97 To 9999. %

(n, γ)
Cross Section



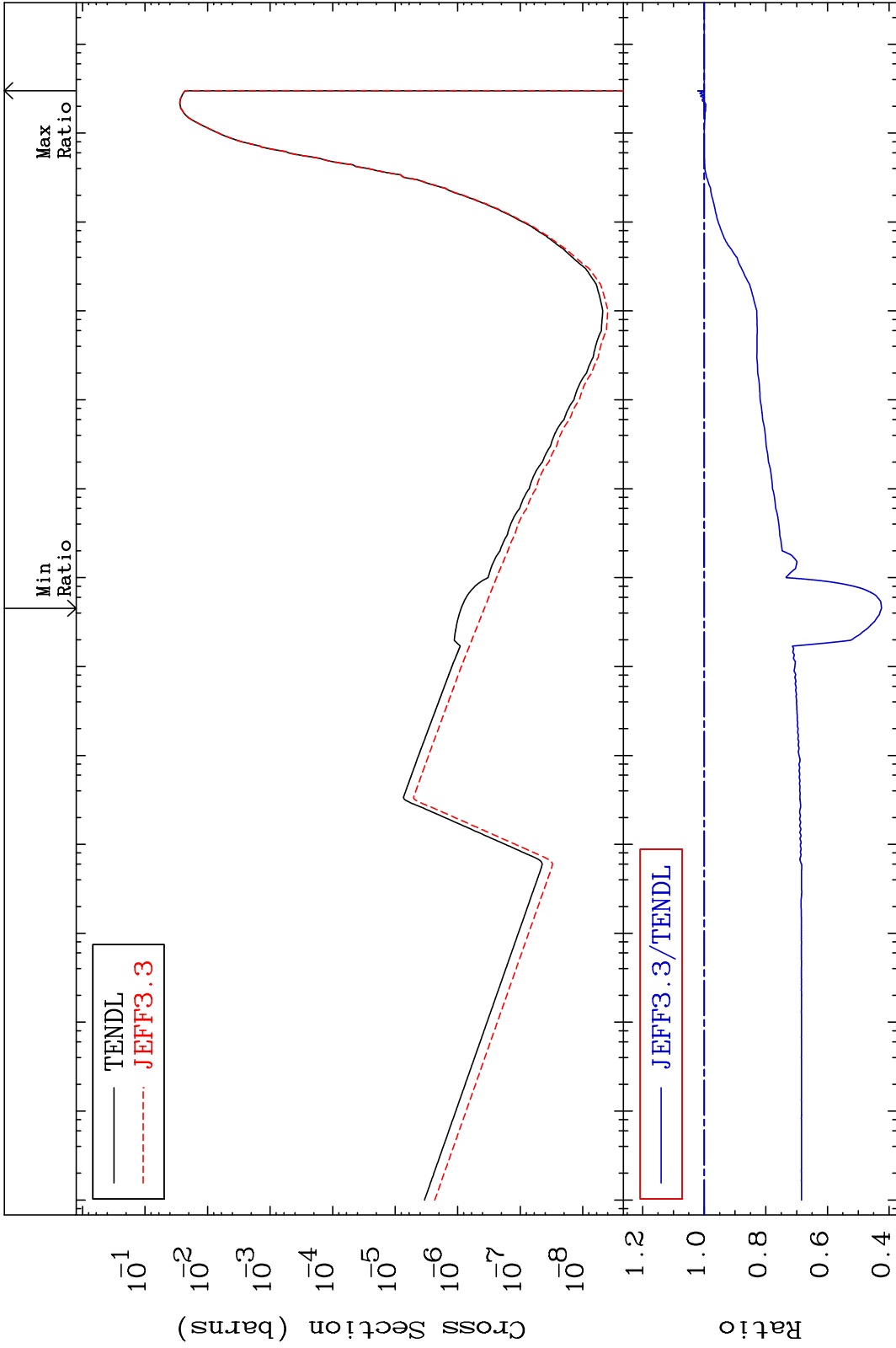
MAT 6522

(n, p)

65-Tb-158

Cross Section

-57.53 To 2.088 %



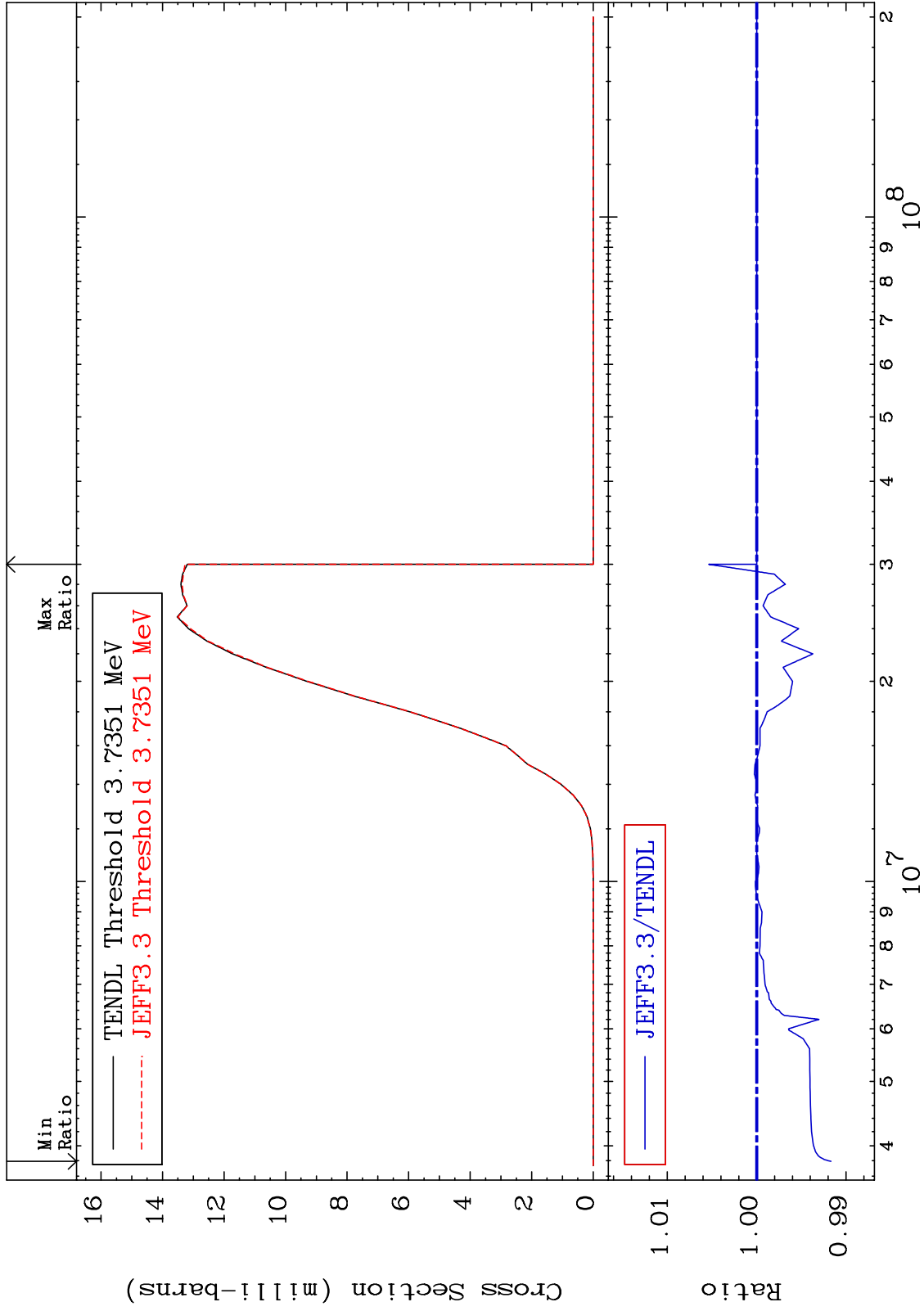
MAT 6522

(n, d)

65-Tb-158

-0.831 To 0.536 %

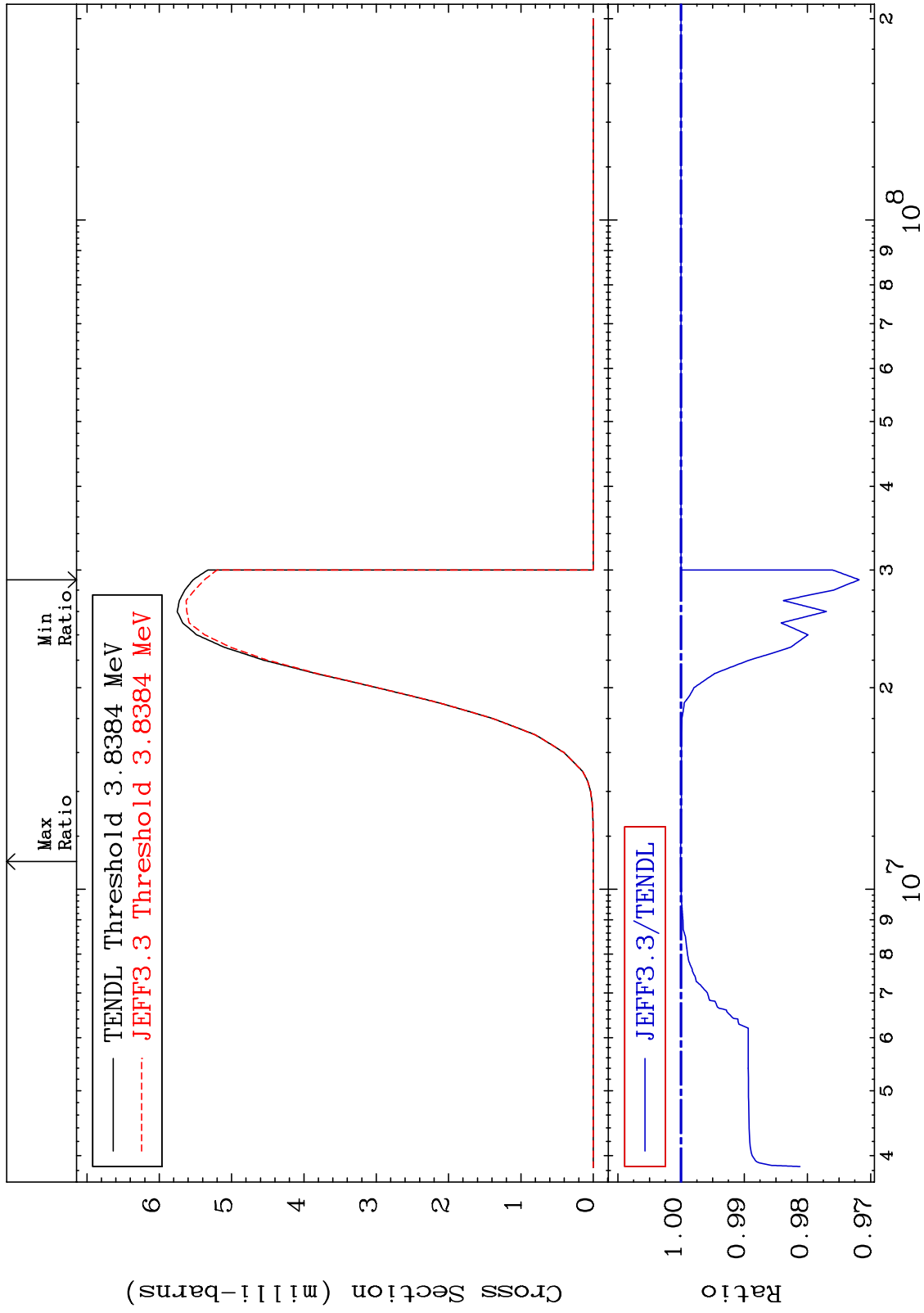
Cross Section



MAT 6522

65-Tb-158

(n, t)
Cross Section
-2.818 To 0.007 %



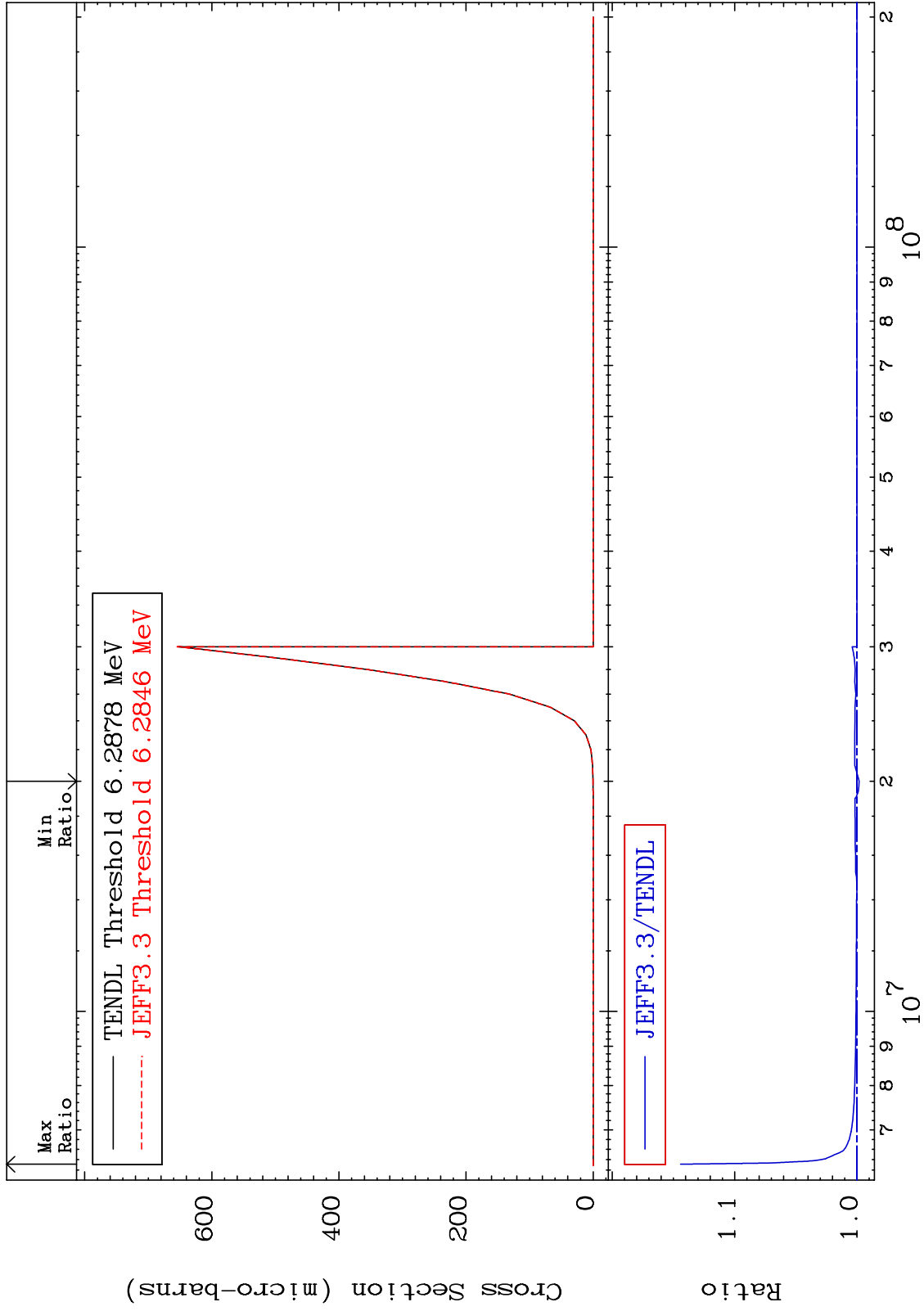
MAT 6522

(n, He-3)

65-Tb-158

Cross Section

-0.187 To 14.41 %



55

Incident Energy (eV)

65-Tb-158

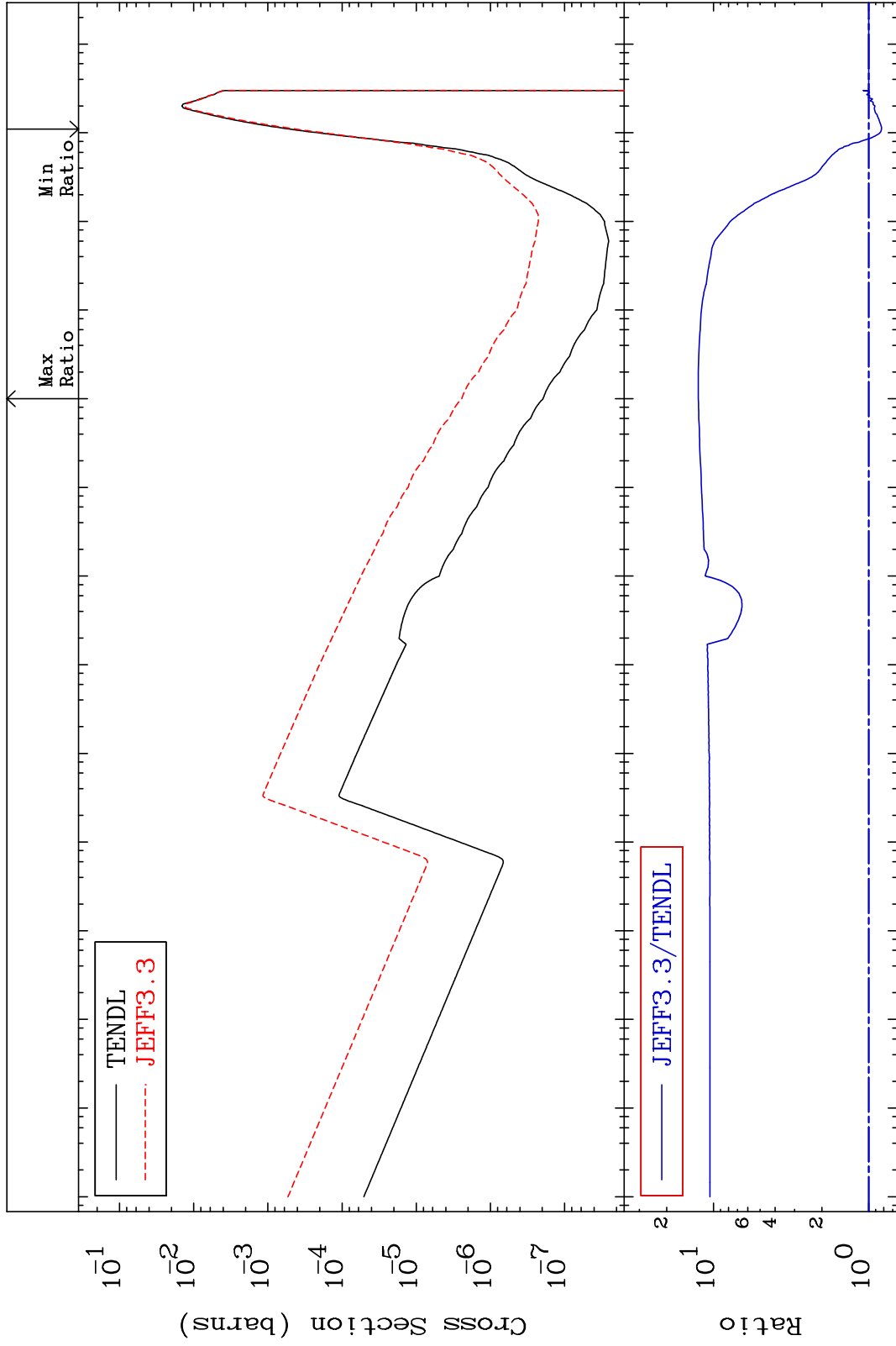
MAT 6522

(n, α)

65-Tb-158

Cross Section

-17.42 To 1150. %



Incident Energy (eV)

56

65-Tb-158

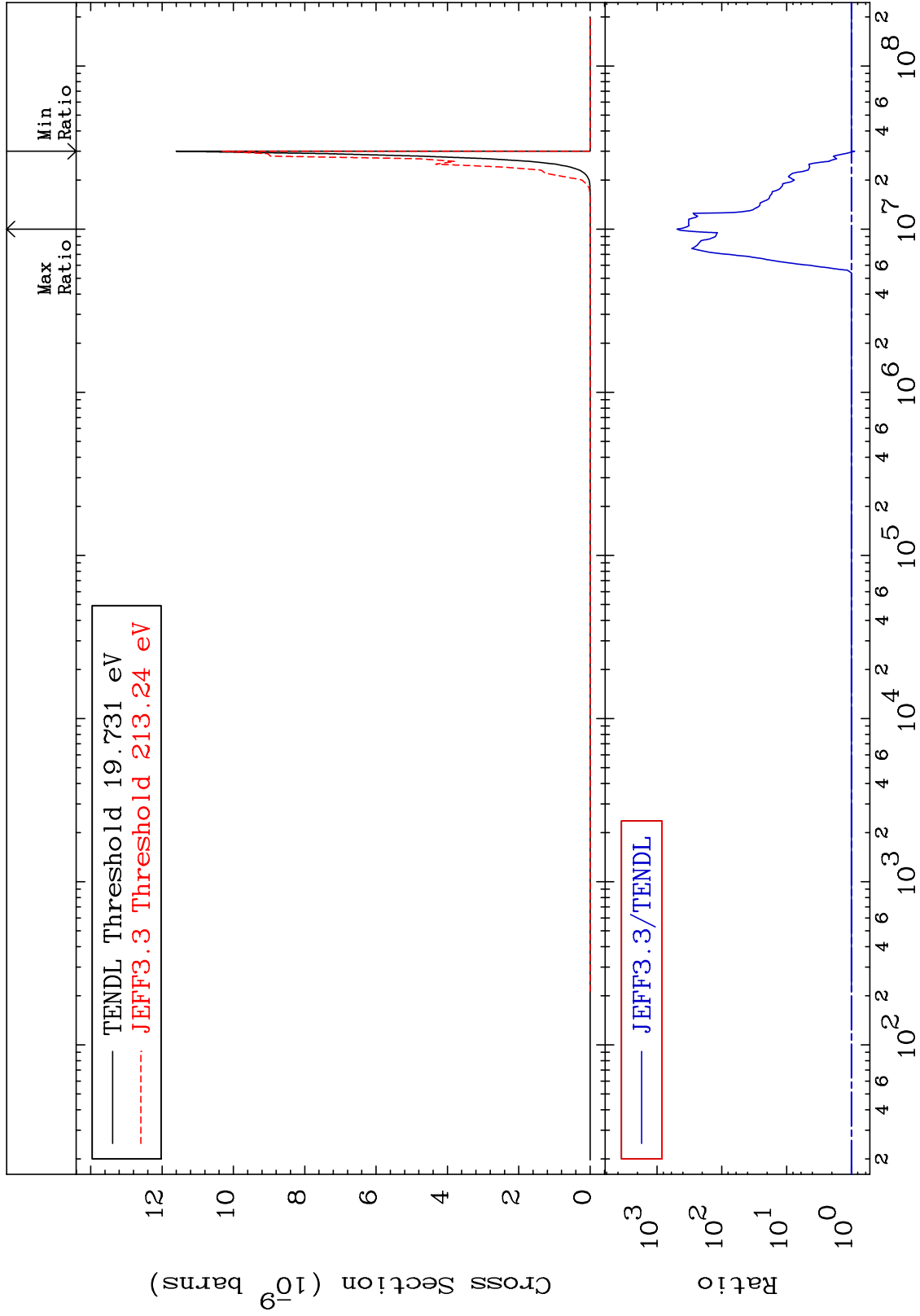
MAT 6522

(n,2α)

65-Tb-158

Cross Section

-11.10 To 9999. %



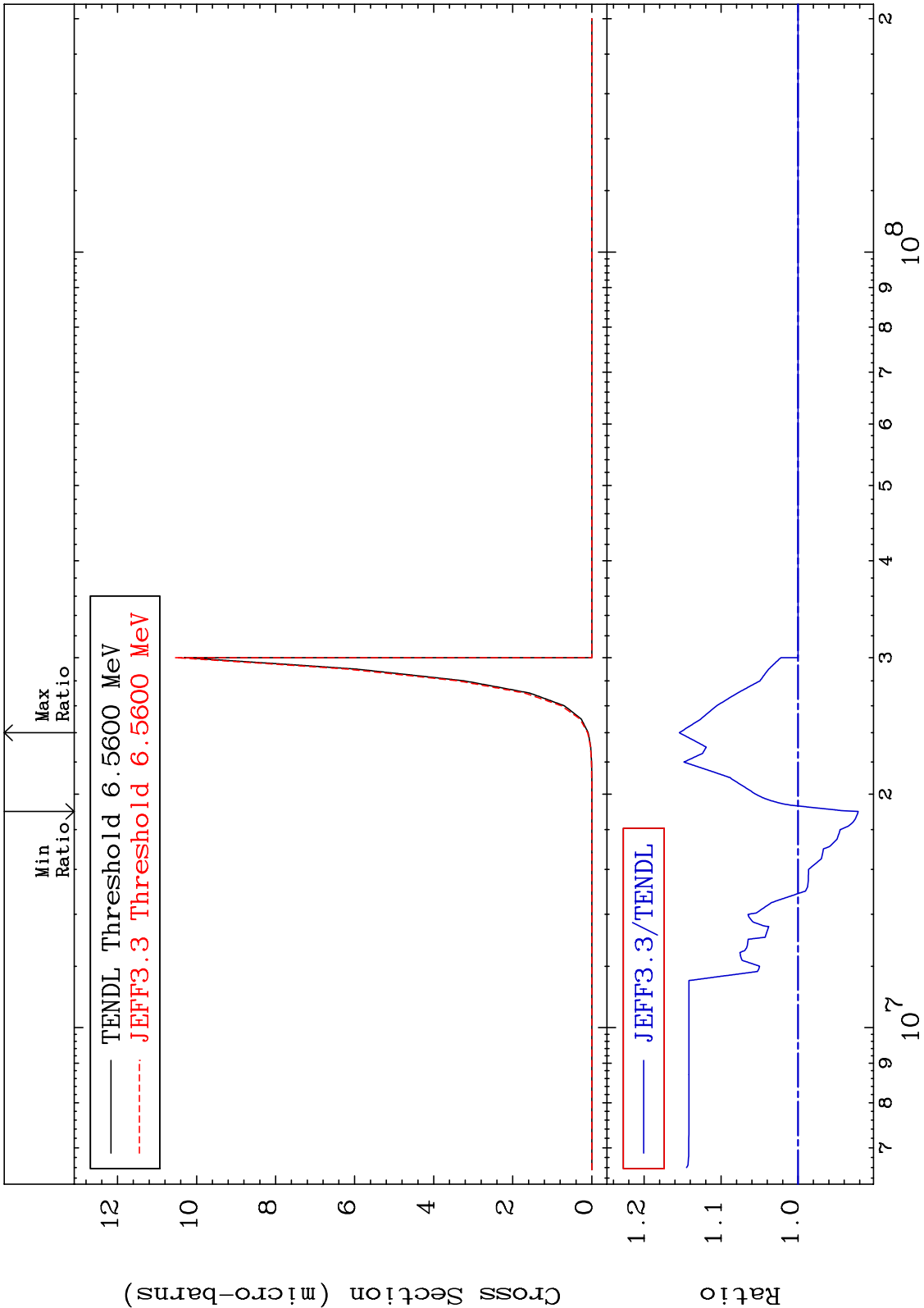
MAT 6522

(n,2p)

65-Tb-158

-7.817 To 15.43 %

Cross Section



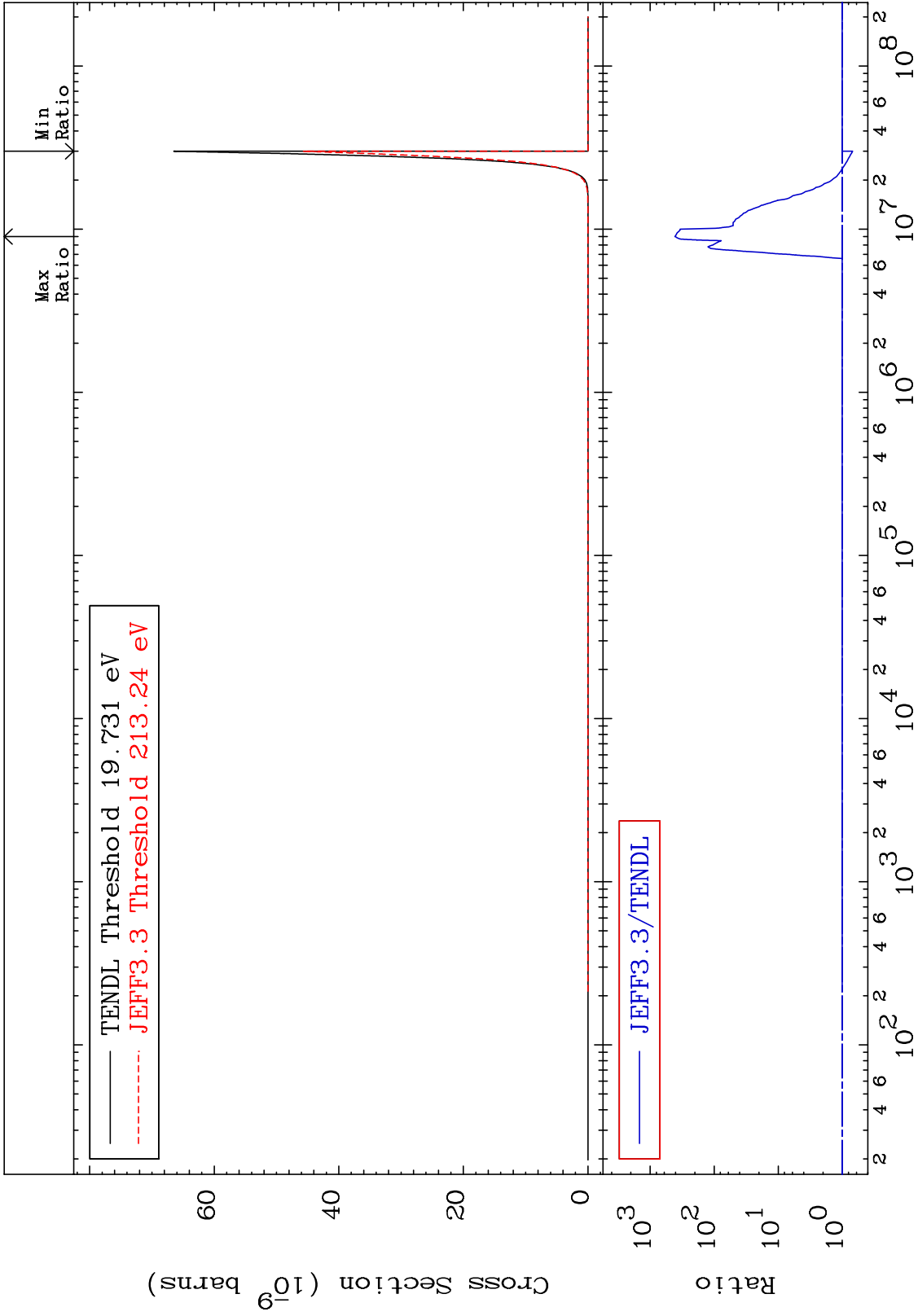
MAT 6522

(n,p) α

65-Tb-158

Cross Section

-31.22 To 9999. %



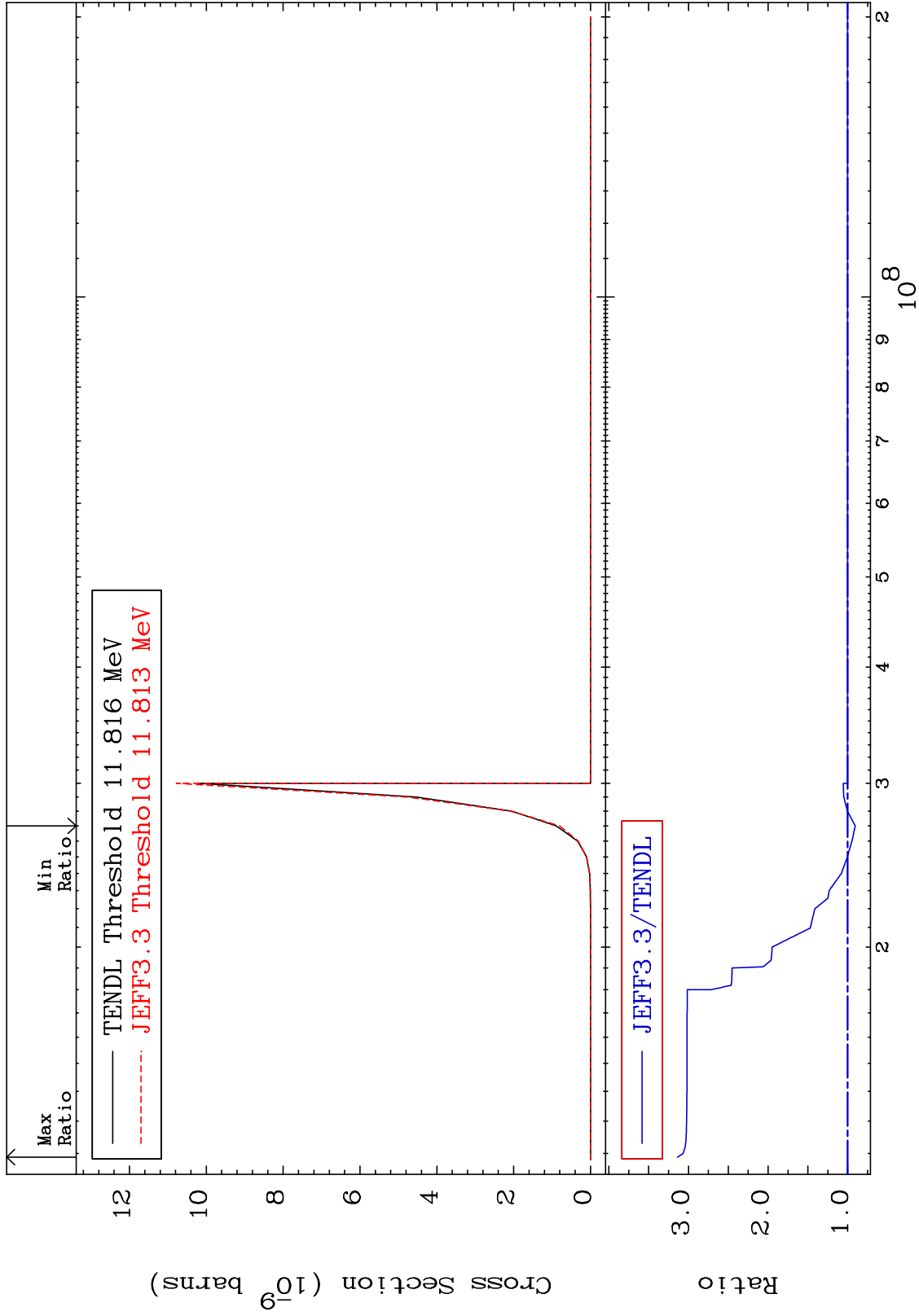
MAT 6522

(n,p) d

65-Tb-158

Cross Section

-9.490 To 213.7 %



60

Incident Energy (eV)

65-Tb-158

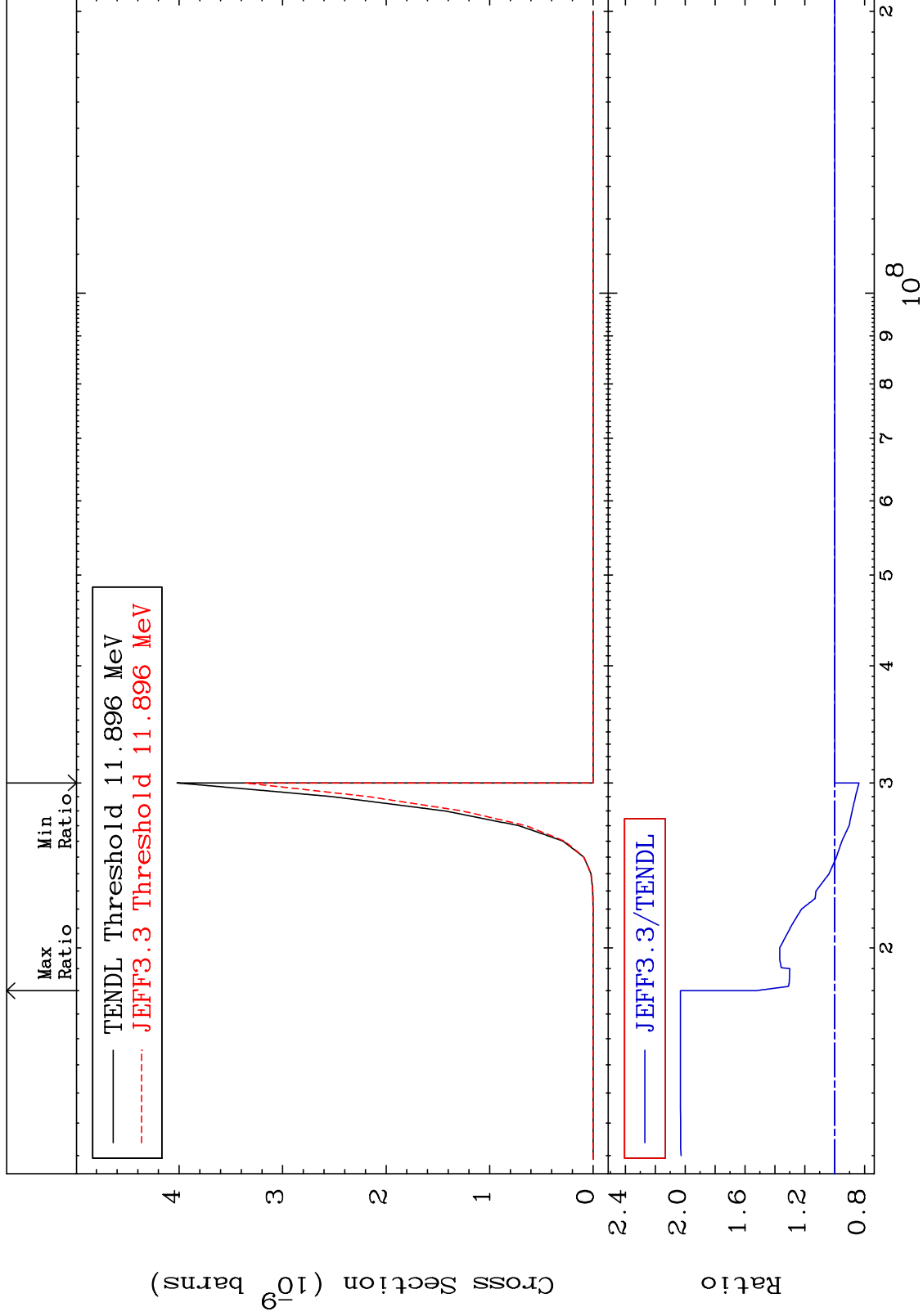
MAT 6522

(n,p) t

⁶⁵Tb-158

Cross Section

-16.27 To 103.1 %



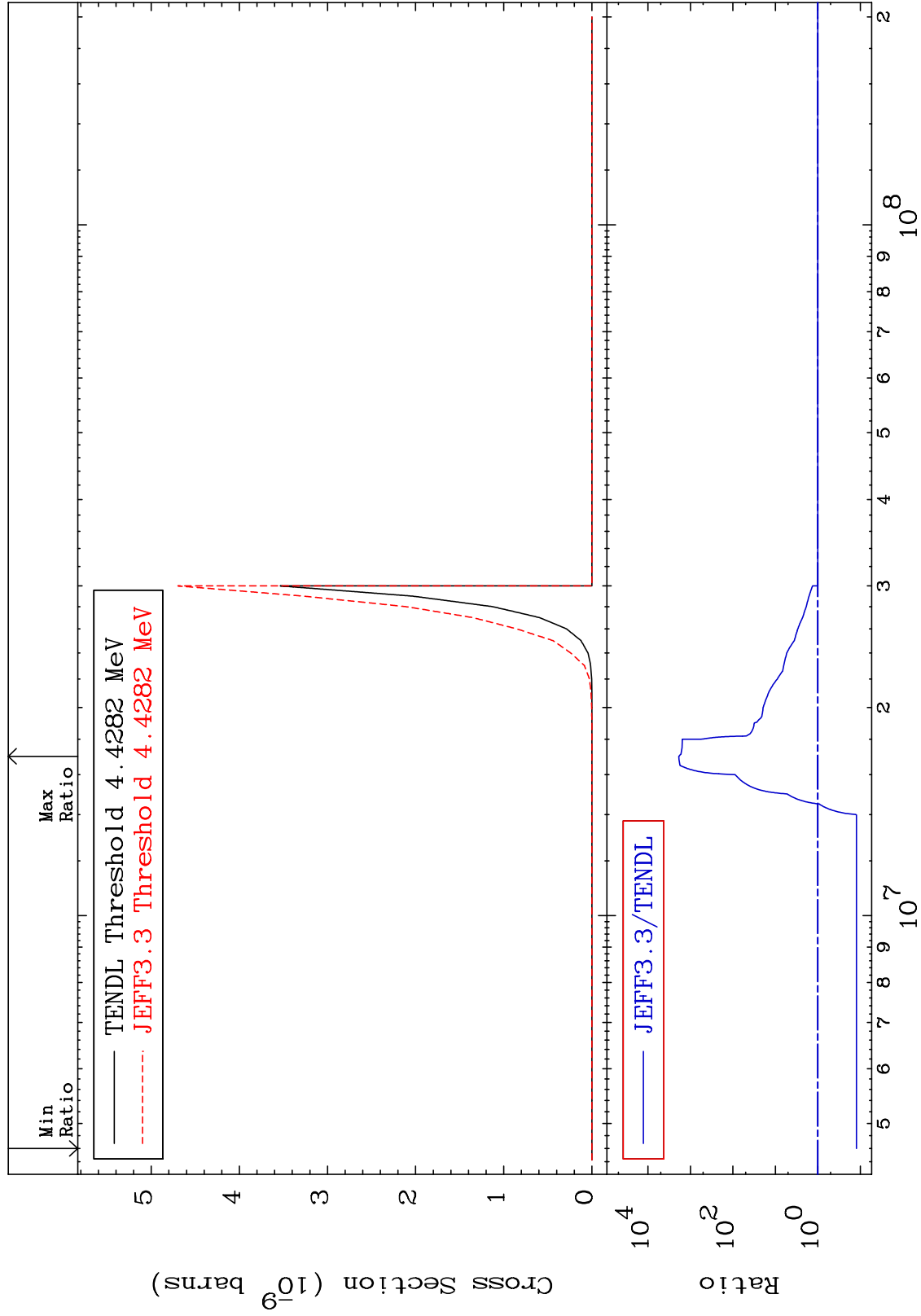
MAT 6522

(n,d) α

65-Tb-158

Cross Section

-87.73 To 9999. %



62

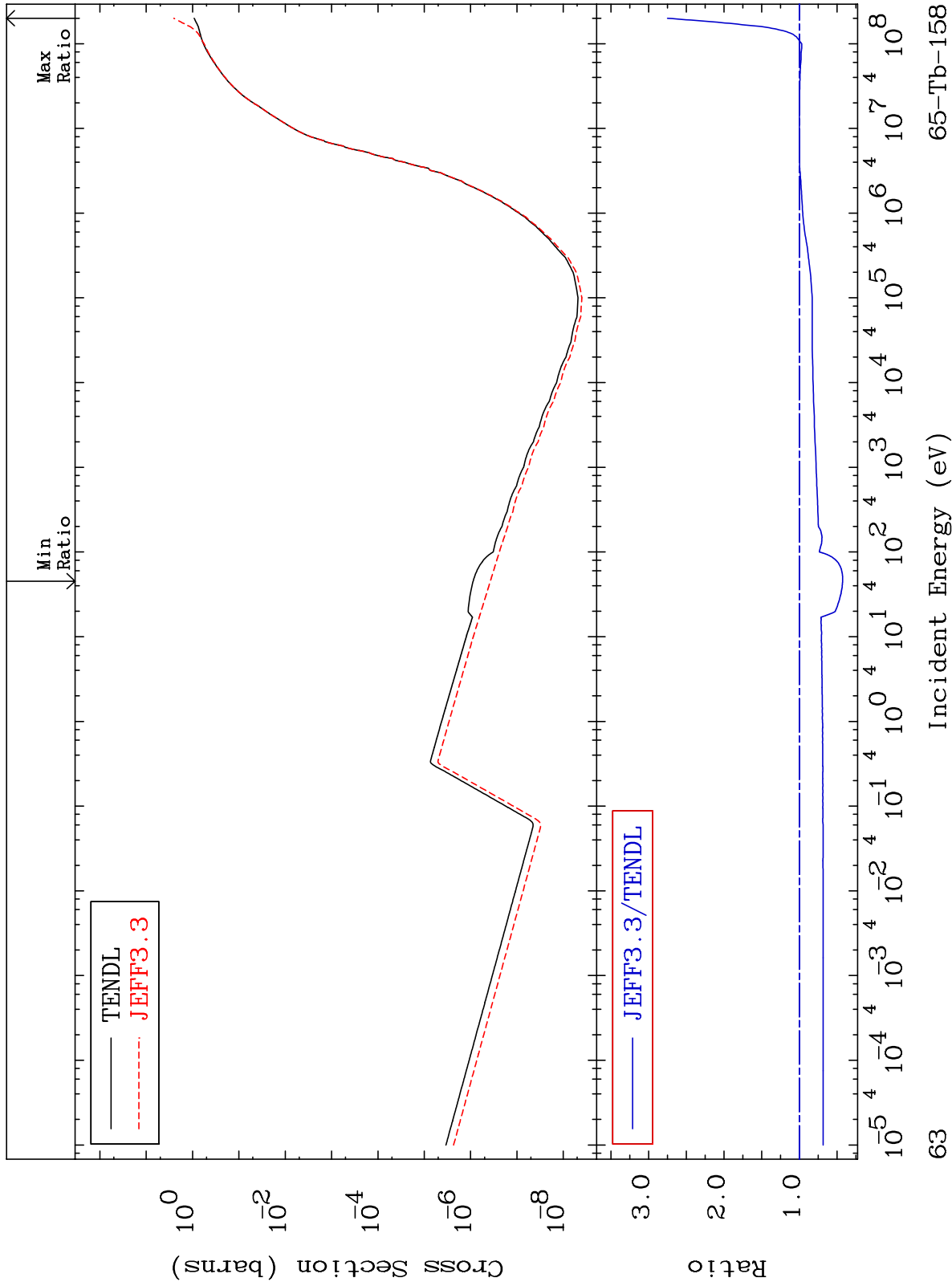
Incident Energy (eV)

65-Tb-158

MAT 6522

Hydrogen Production
Cross Section

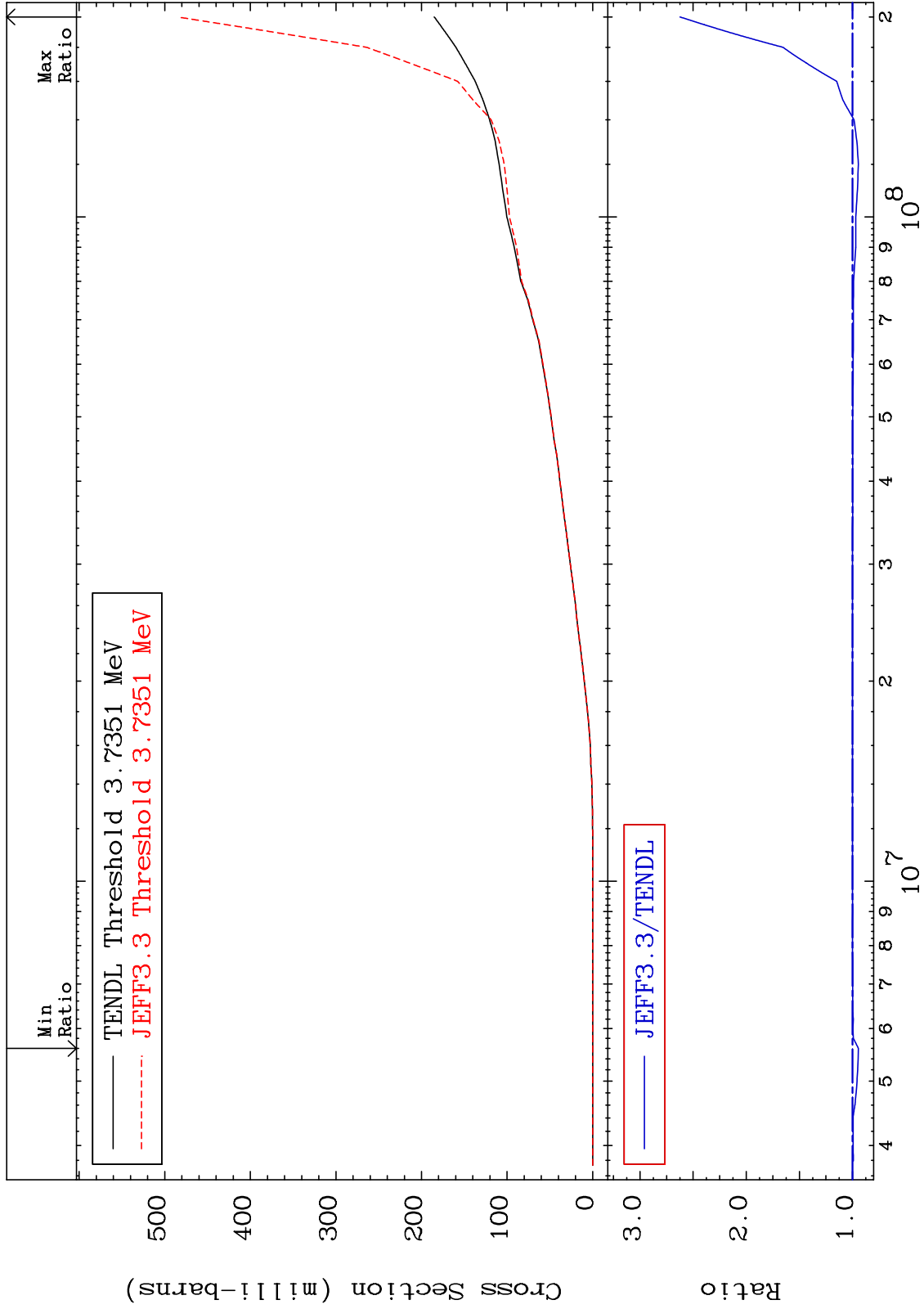
65-Tb-158
-57.53 To 174.8 %



MAT 6522

Deuterium Production
Cross Section

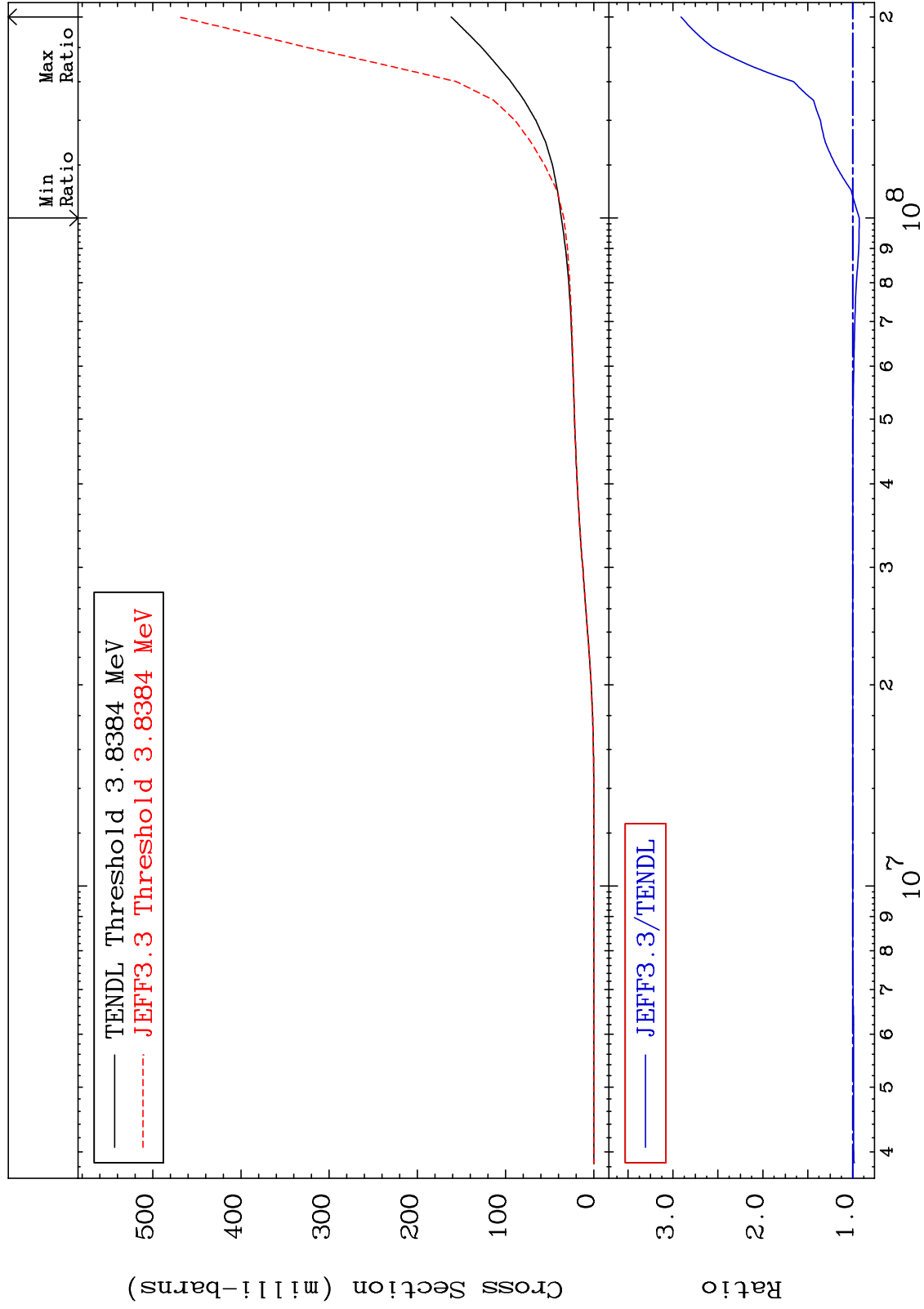
65-Tb-158
-5.540 To 162.3 %



MAT 6522

Tritium Production
Cross Section

65-Tb-158
-7.352 To 191.0 %



65

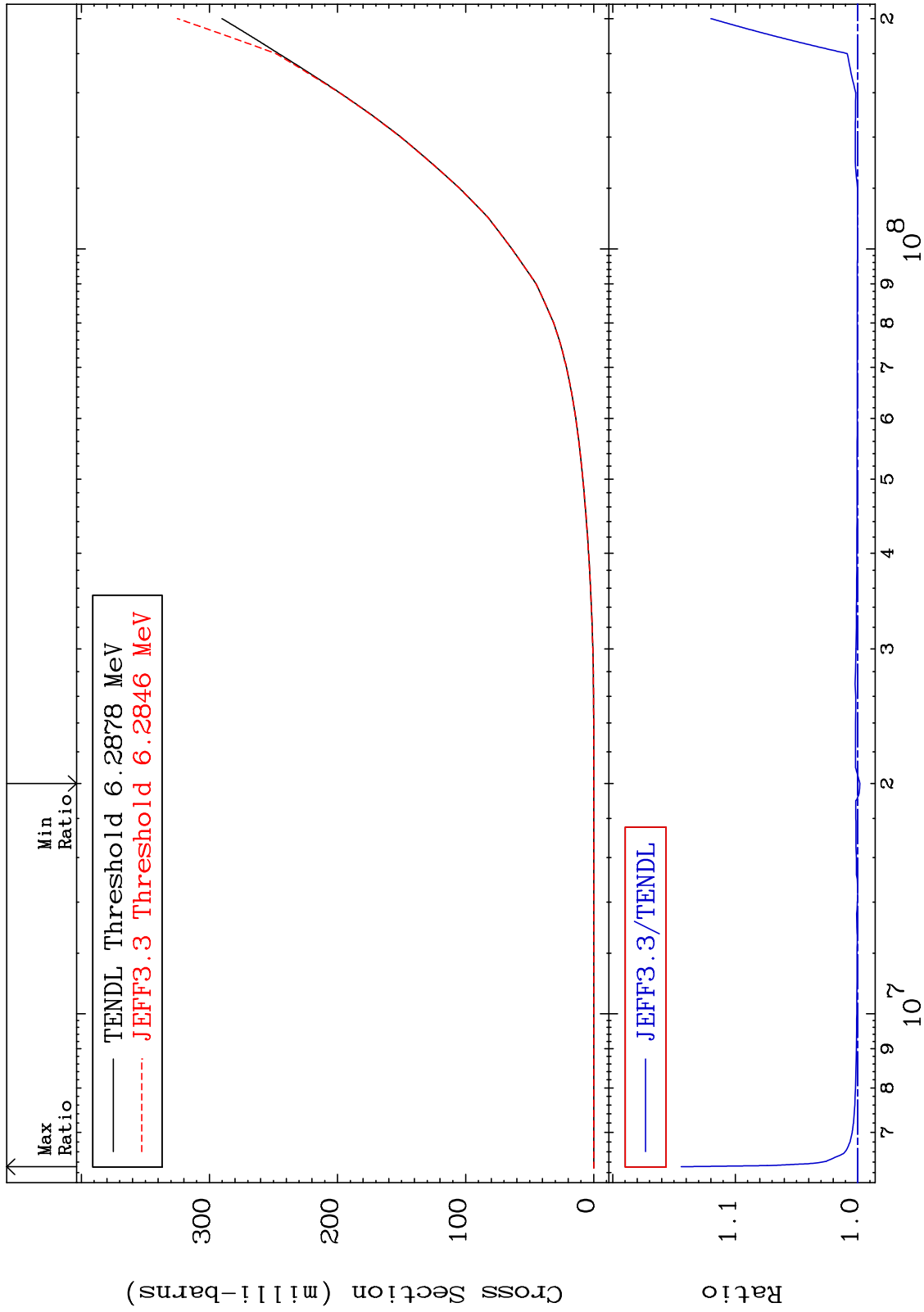
Incident Energy (eV)

65-Tb-158

MAT 6522

He-3 Production
Cross Section

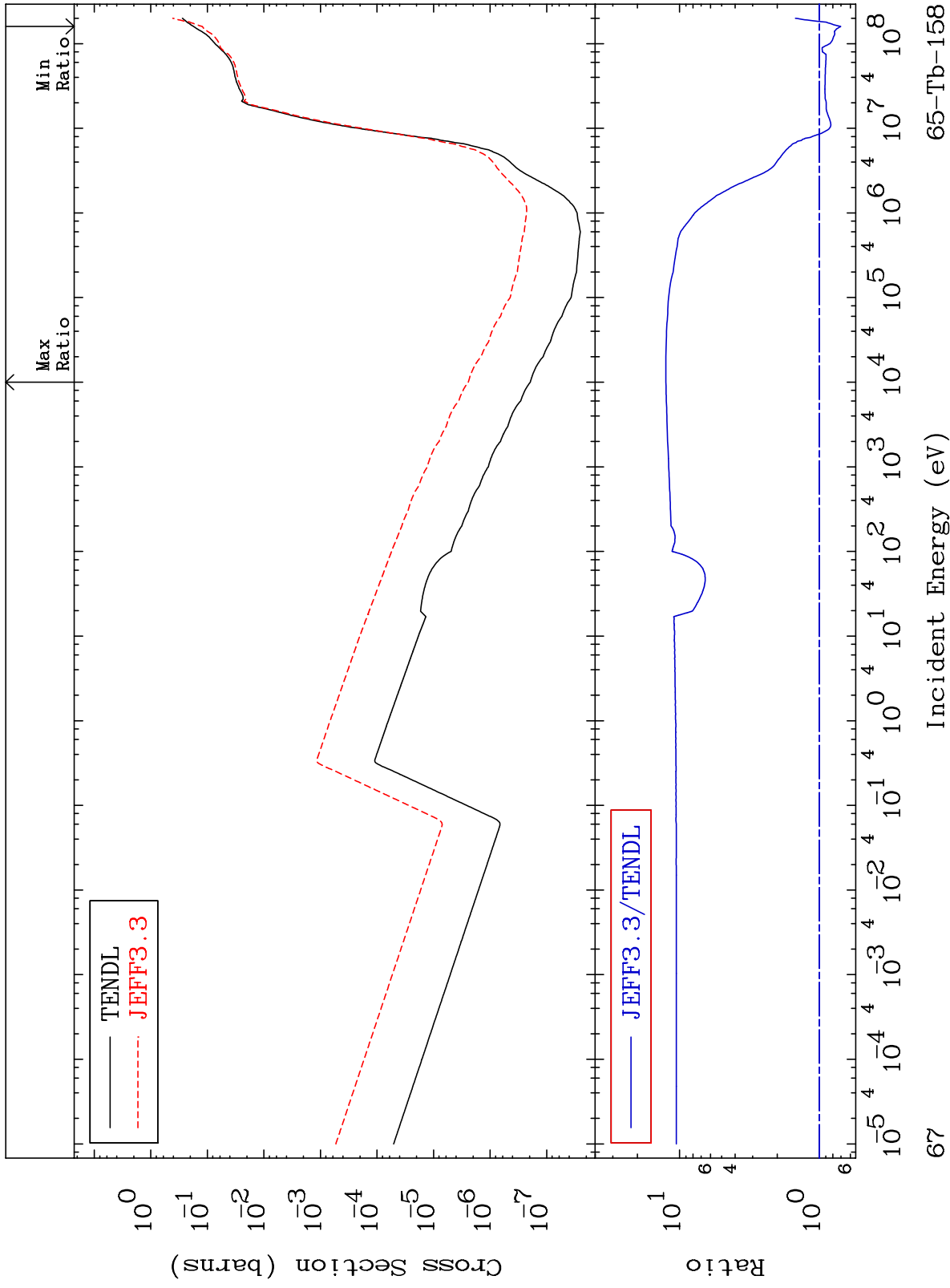
65-Tb-158
-0.187 To 14.41 %



MAT 6522

He-4 Production
Cross Section

65-Tb-158
-29.83 To 1150. %



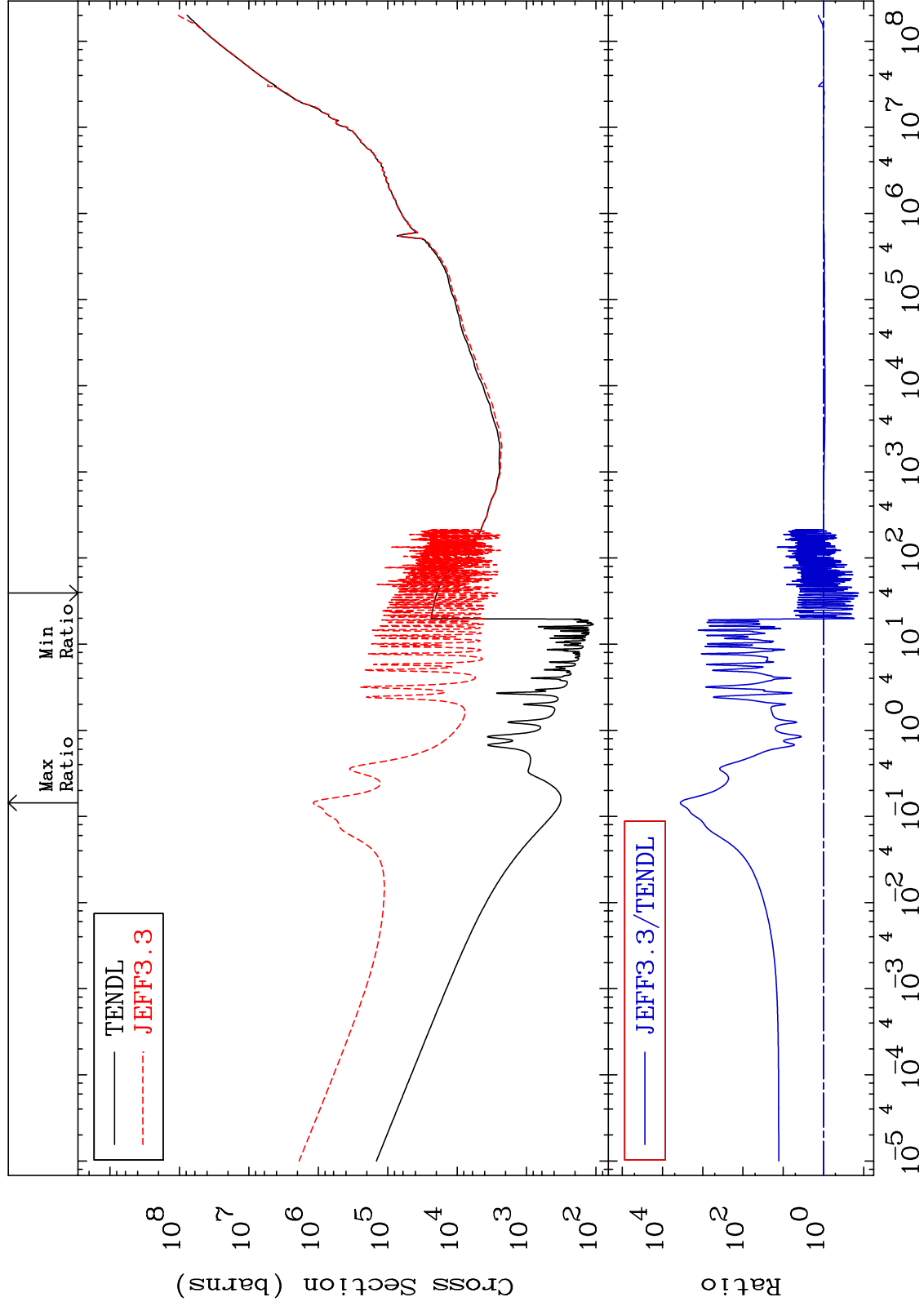
67

65-Tb-158

MAT 6522

Kerma total (eV-barns)
Cross Section

65-Tb-158
-86.62 To 9999. %



68

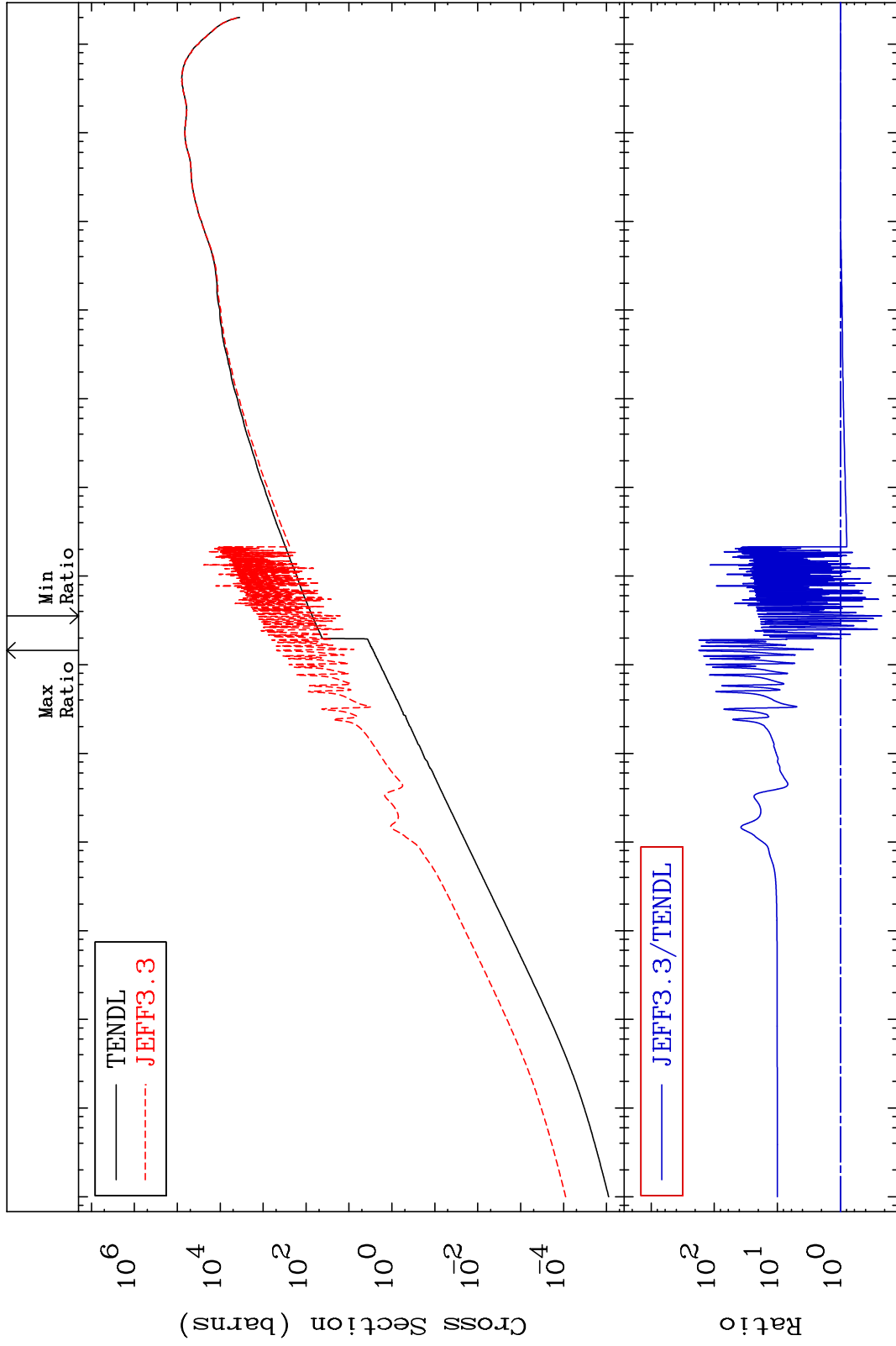
Incident Energy (eV)

65-Tb-158

MAT 6522

Kerma elastic
Cross Section

65-Tb-158
-77.62 To 9999. %



69

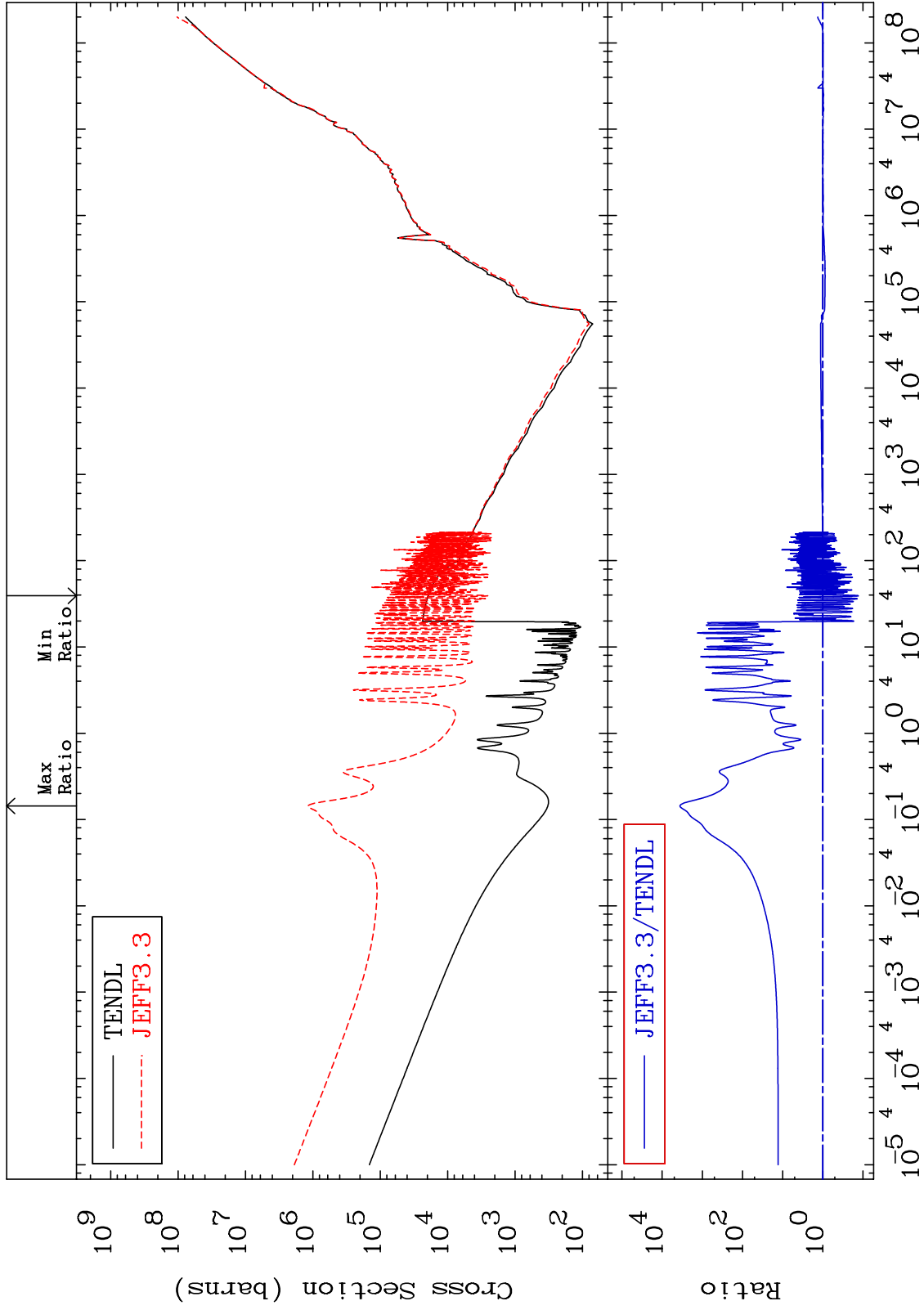
Incident Energy (eV)

65-Tb-158

MAT 6522

Kerma non-elastic (all but mt2)
Cross Section

65-Tb-158
-87.02 To 9999. %



70

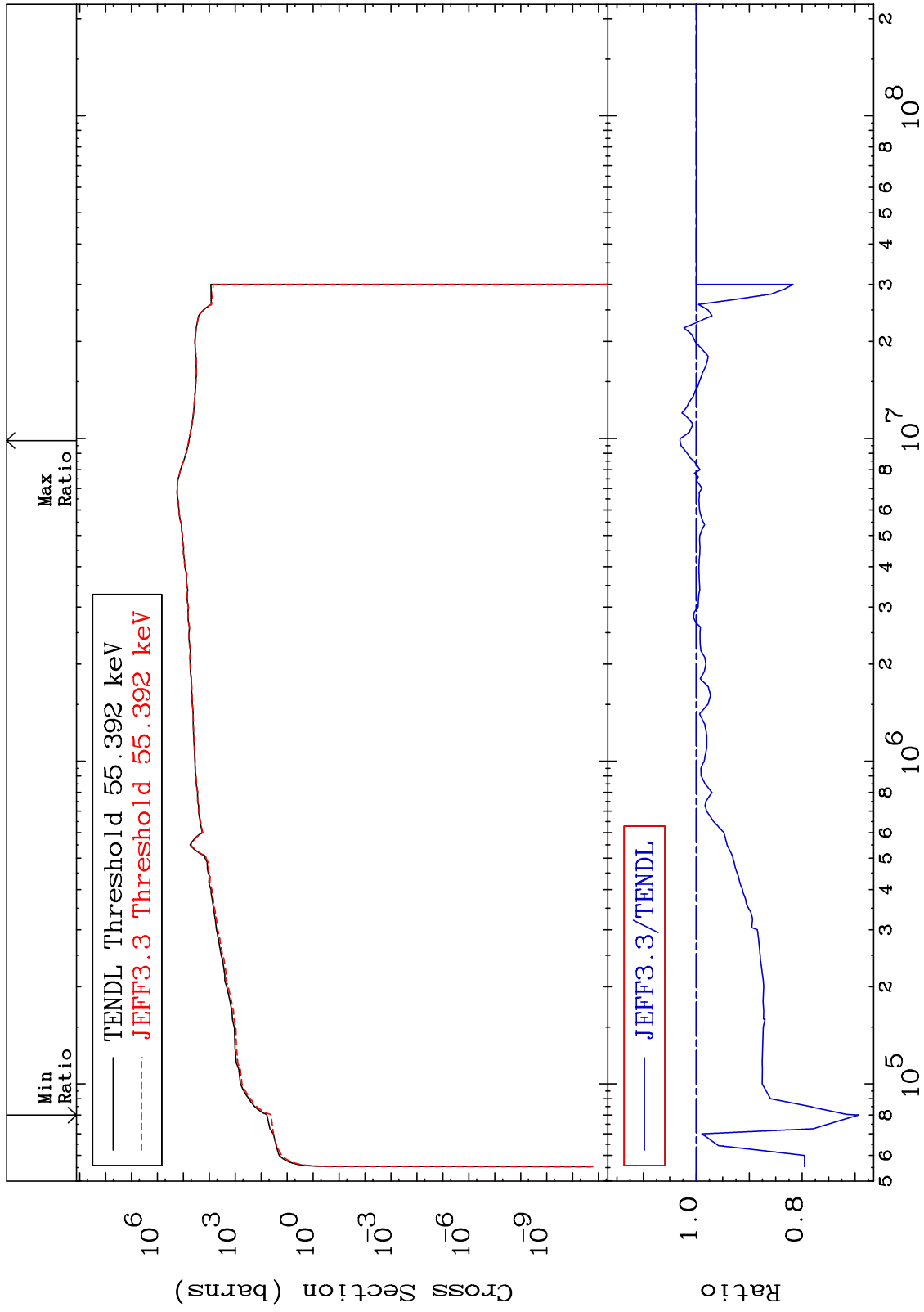
Incident Energy (eV)

65-Tb-158

MAT 6522

Kerma inelastic (mt51-91)
Cross Section

65-Tb-158
-30.62 To 3.067 %



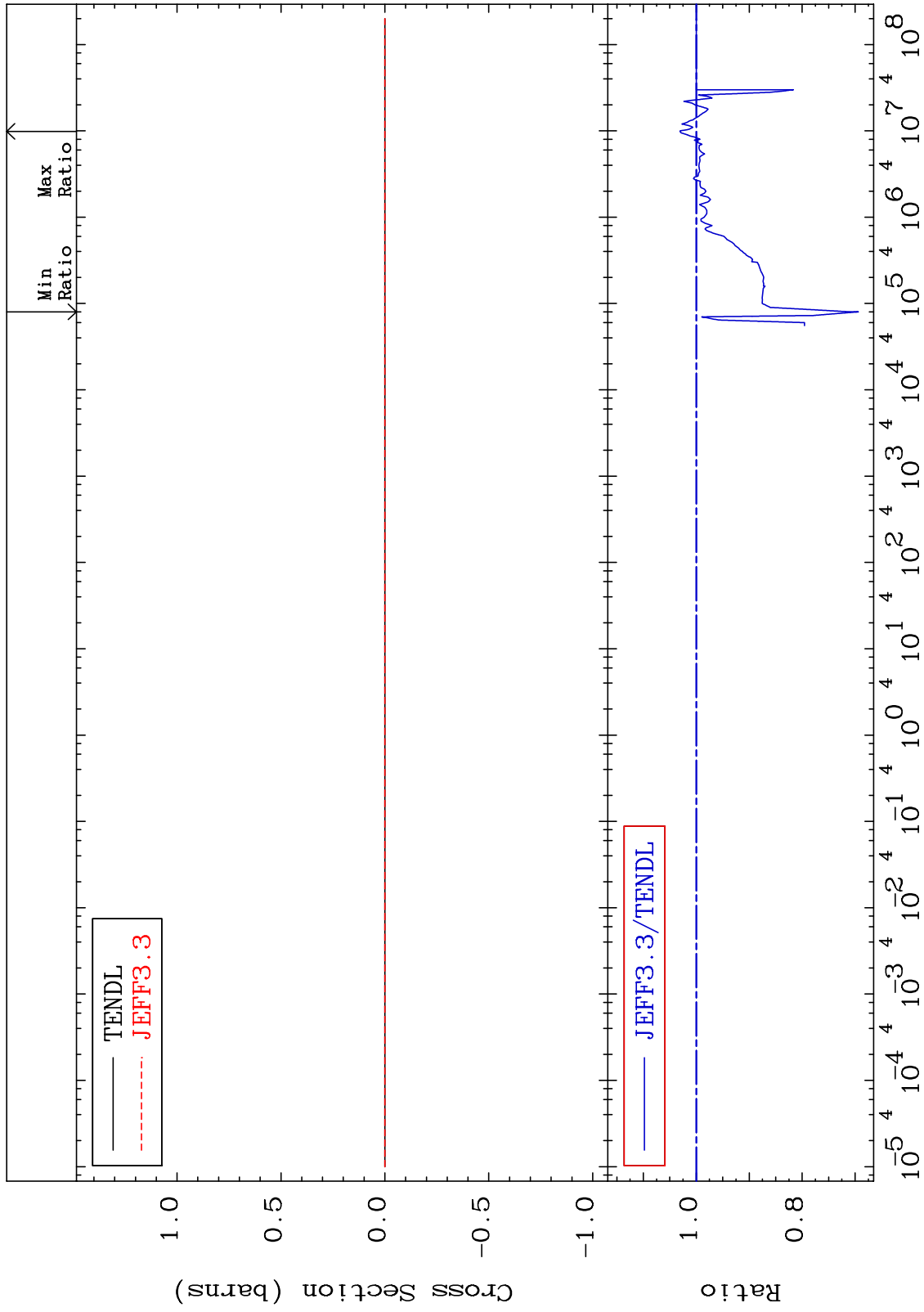
71

65-Tb-158

MAT 6522

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

65-Tb-158
-30.62 To 3.067 %



72

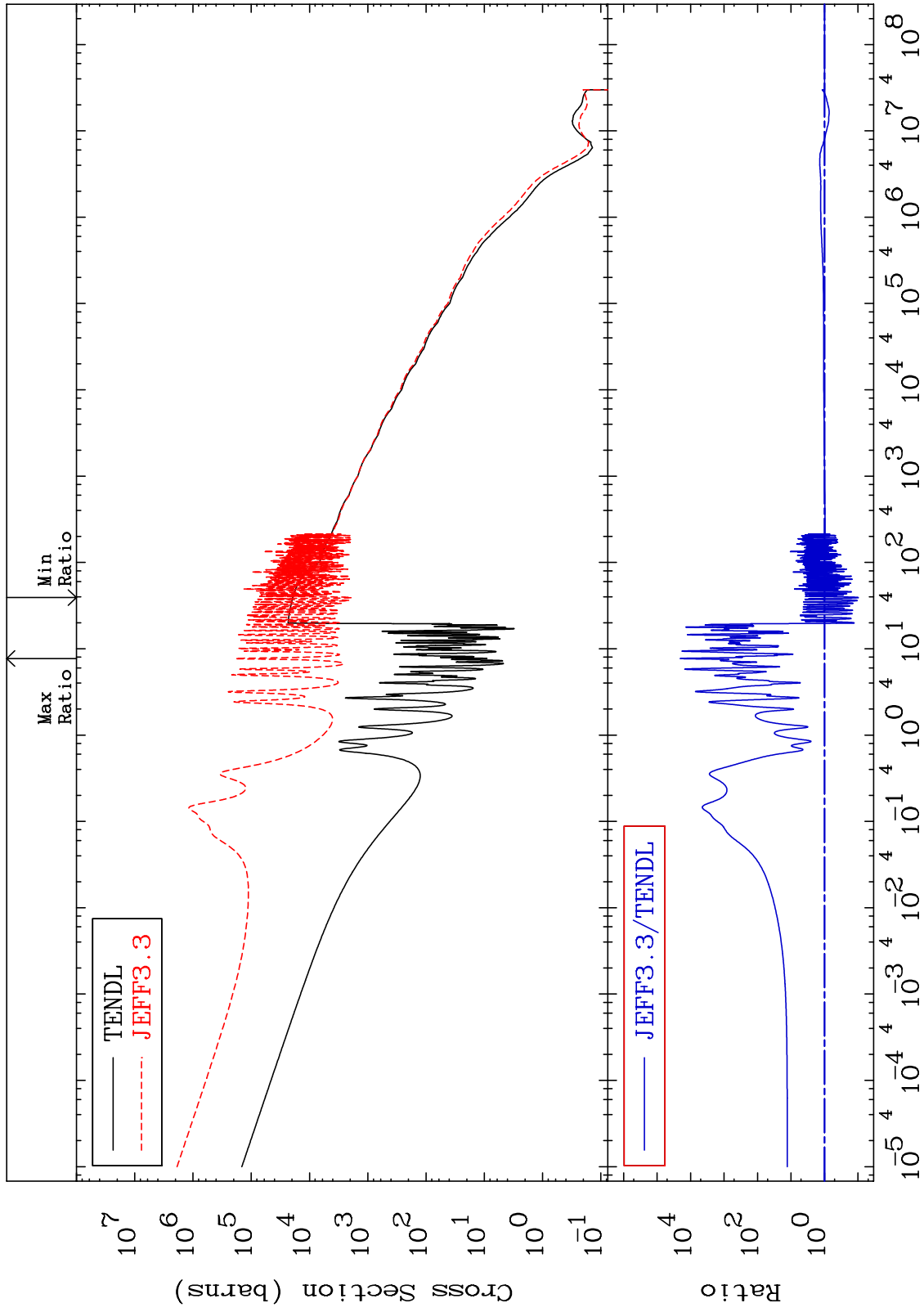
Incident Energy (eV)

65-Tb-158

MAT 6522

Kerma capture (mt102)
Cross Section

65-Tb-158
-90.28 To 9999. %



73

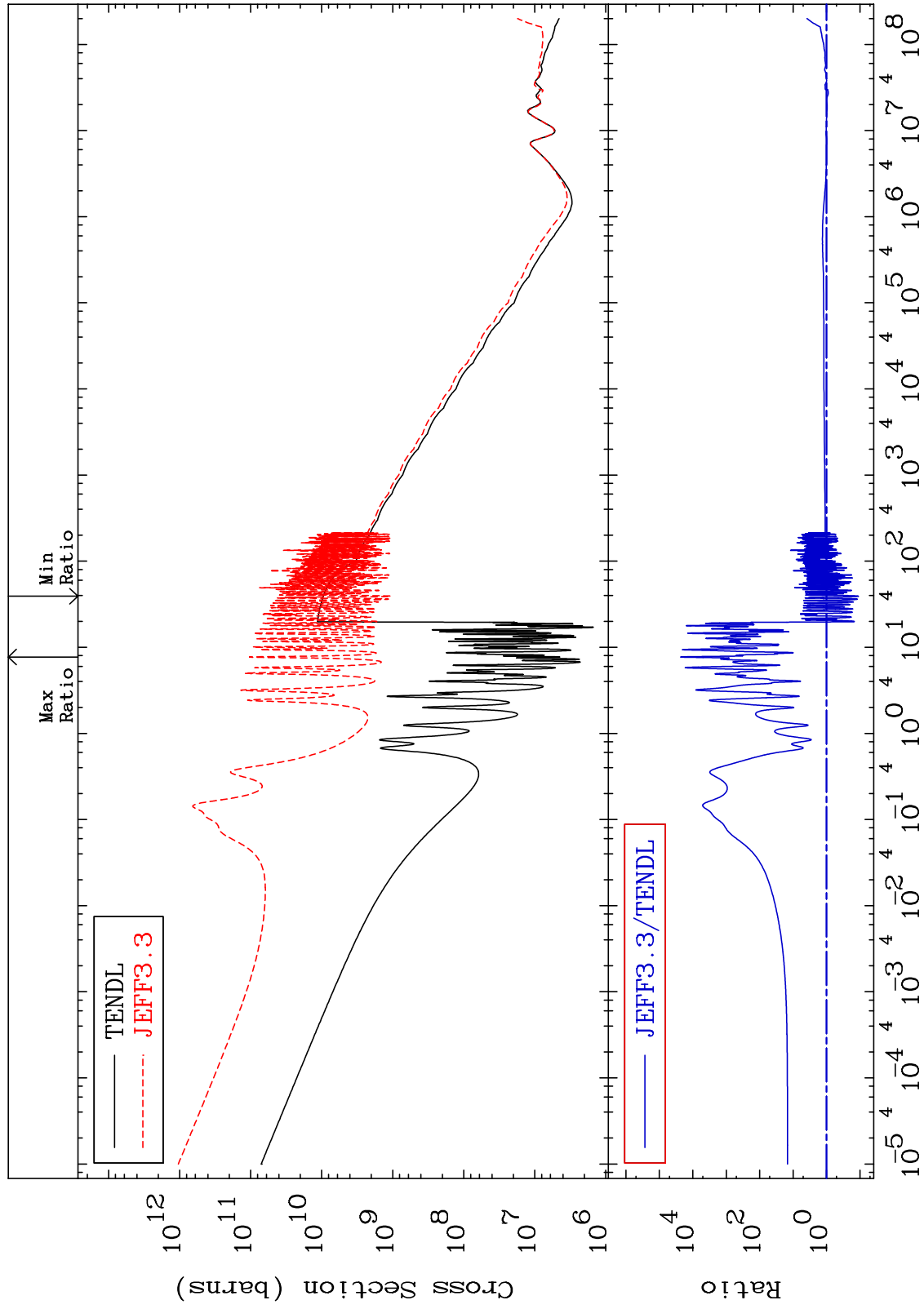
Incident Energy (eV)

65-Tb-158

MAT 6522

Total photon (eV-barns)
Cross Section

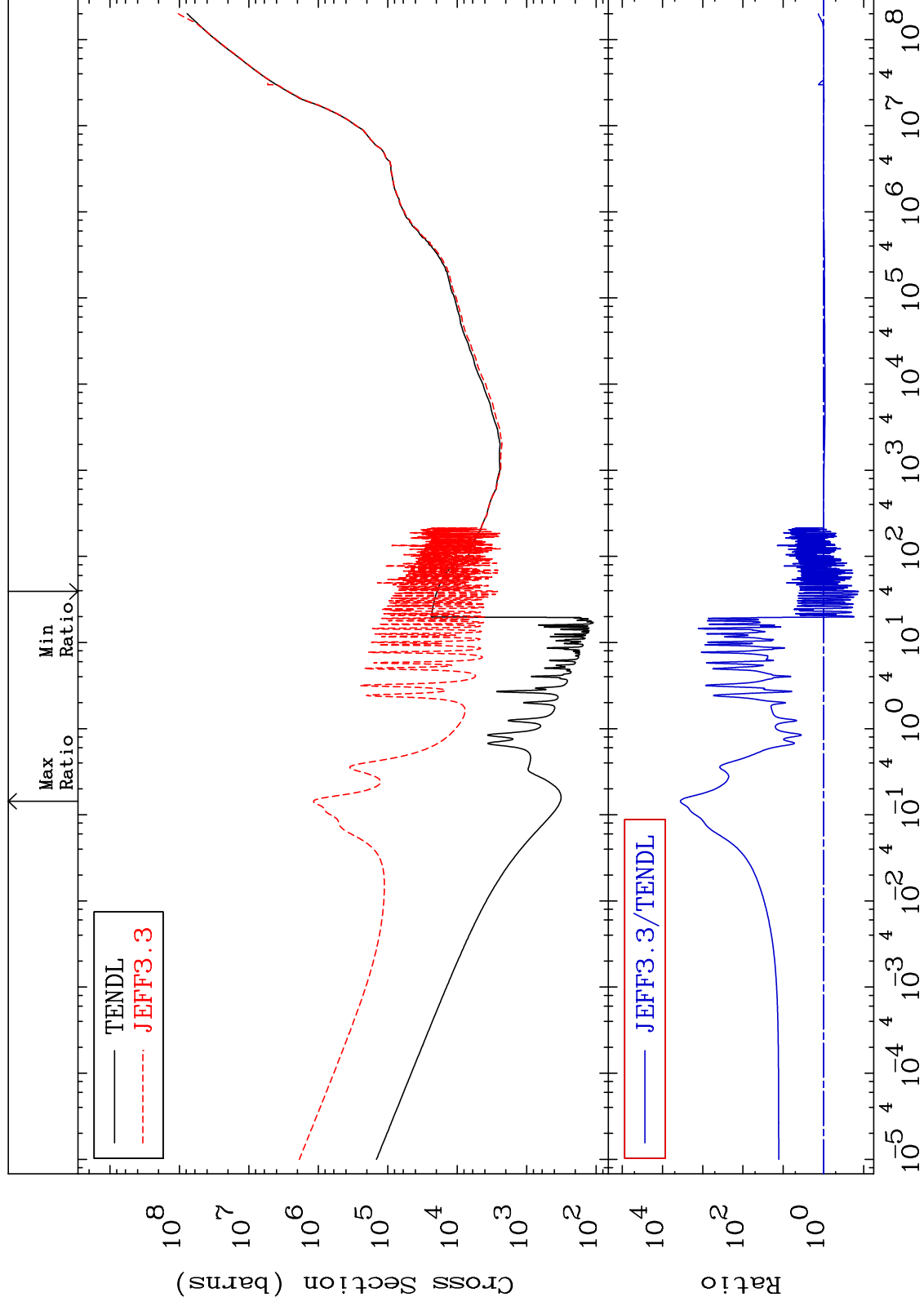
65-Tb-158
-88.97 To 9999. %



MAT 6522

Total kinematic kerma (high limit)
Cross Section

65-Tb-158
-86.60 To 9999. %



75

Incident Energy (eV)

65-Tb-158

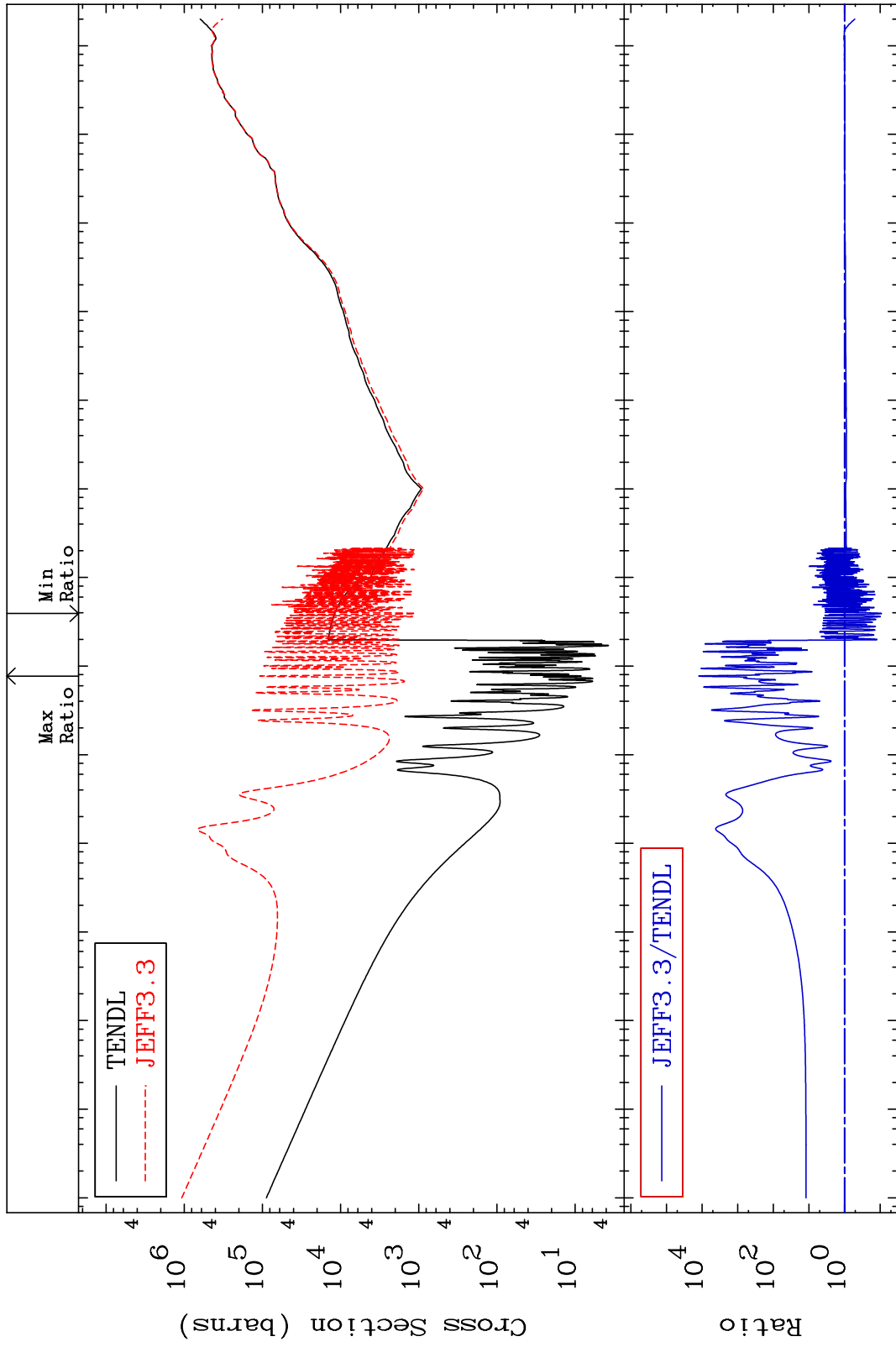
MAT 6522

Dpa total (eV-barns)

65-Tb-158

-90.82 To 9999. %

Cross Section



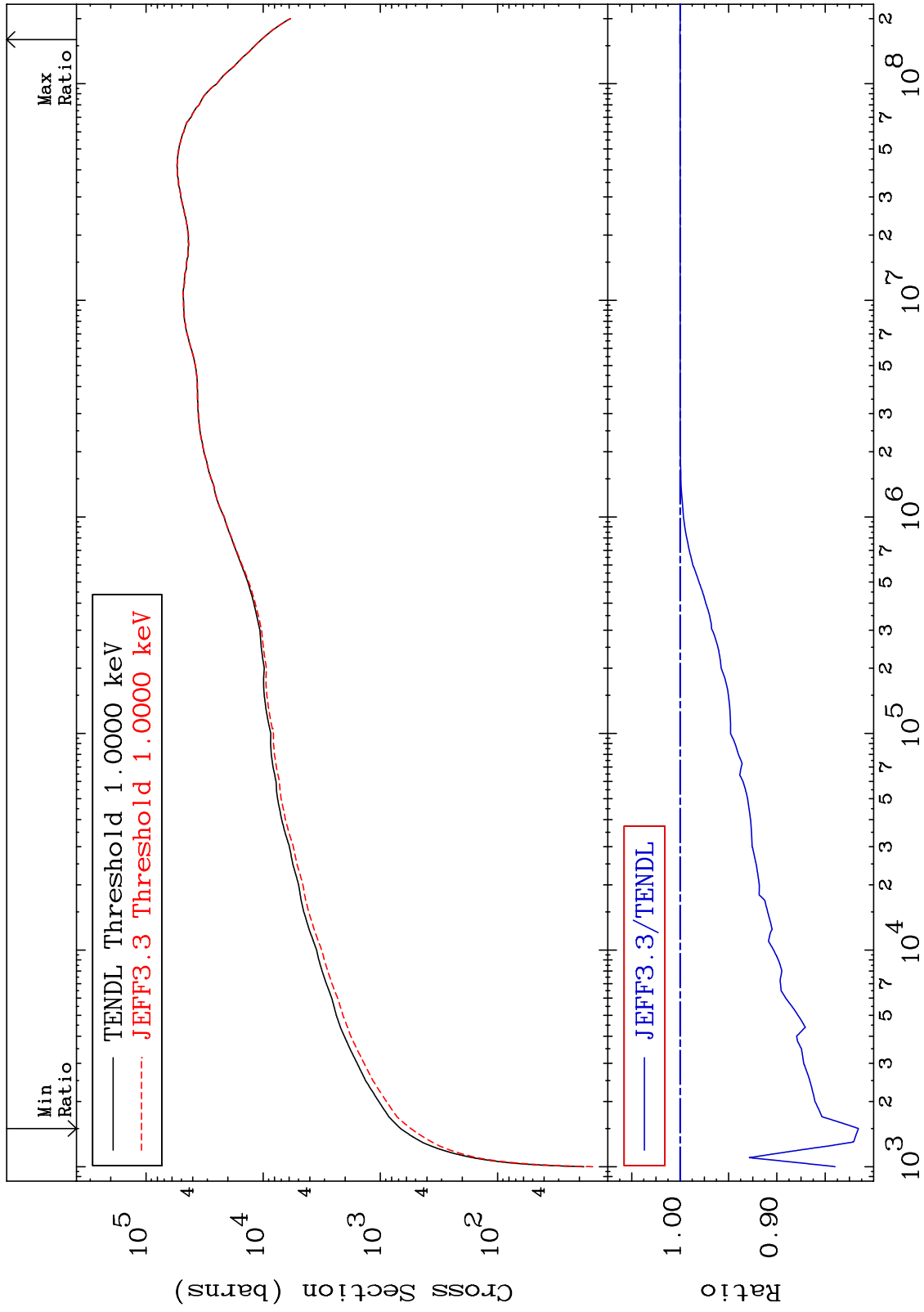
Incident Energy (eV)

65-Tb-158

MAT 6522

Dpa elastic (mt2)
Cross Section

65-Tb-158
-18.42 To 0.011 %



77

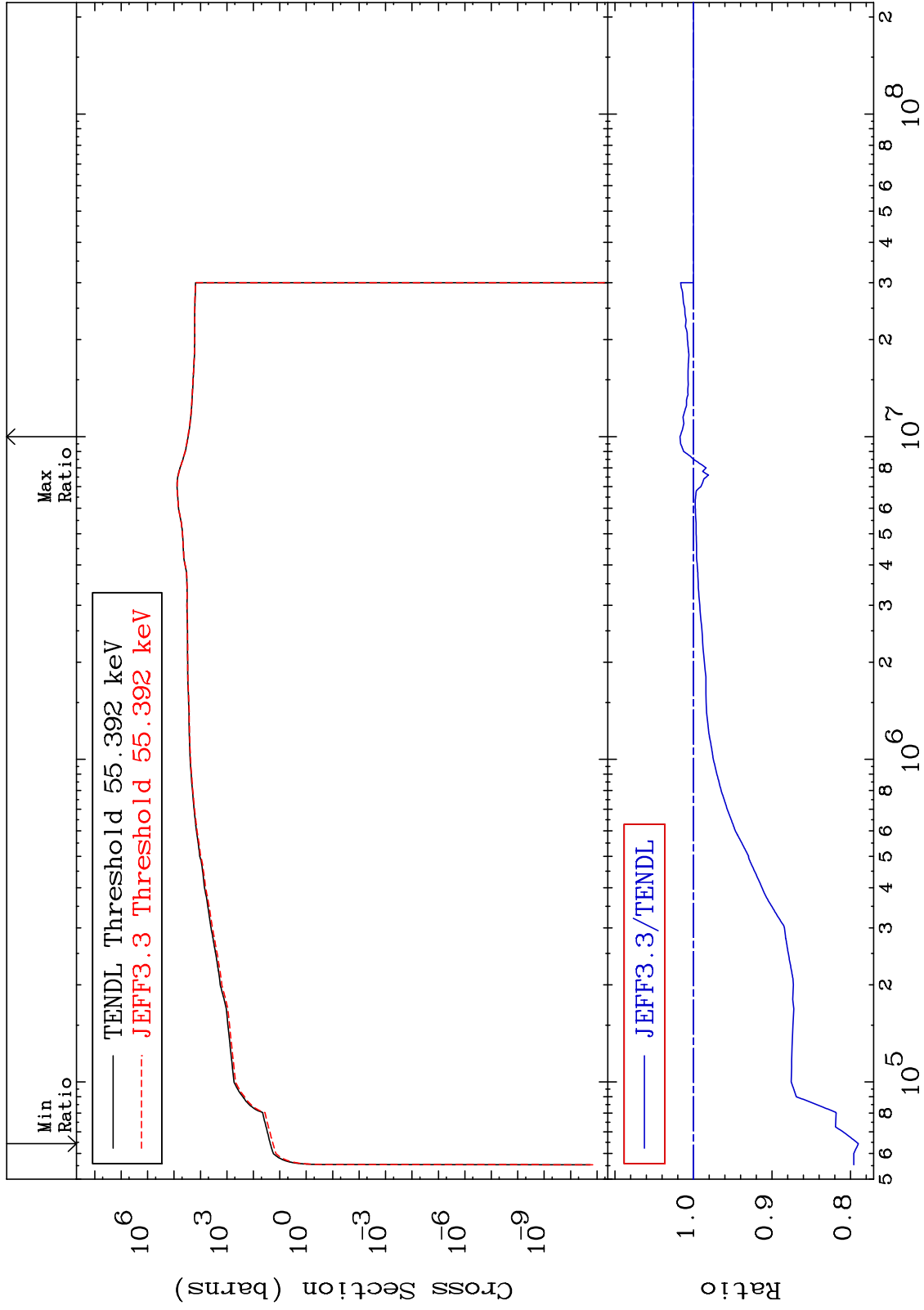
Incident Energy (eV)

65-Tb-158

MAT 6522

Dpa inelastic (mt51-91)
Cross Section

65-Tb-158
-21.01 To 1.717 %



78

65-Tb-158

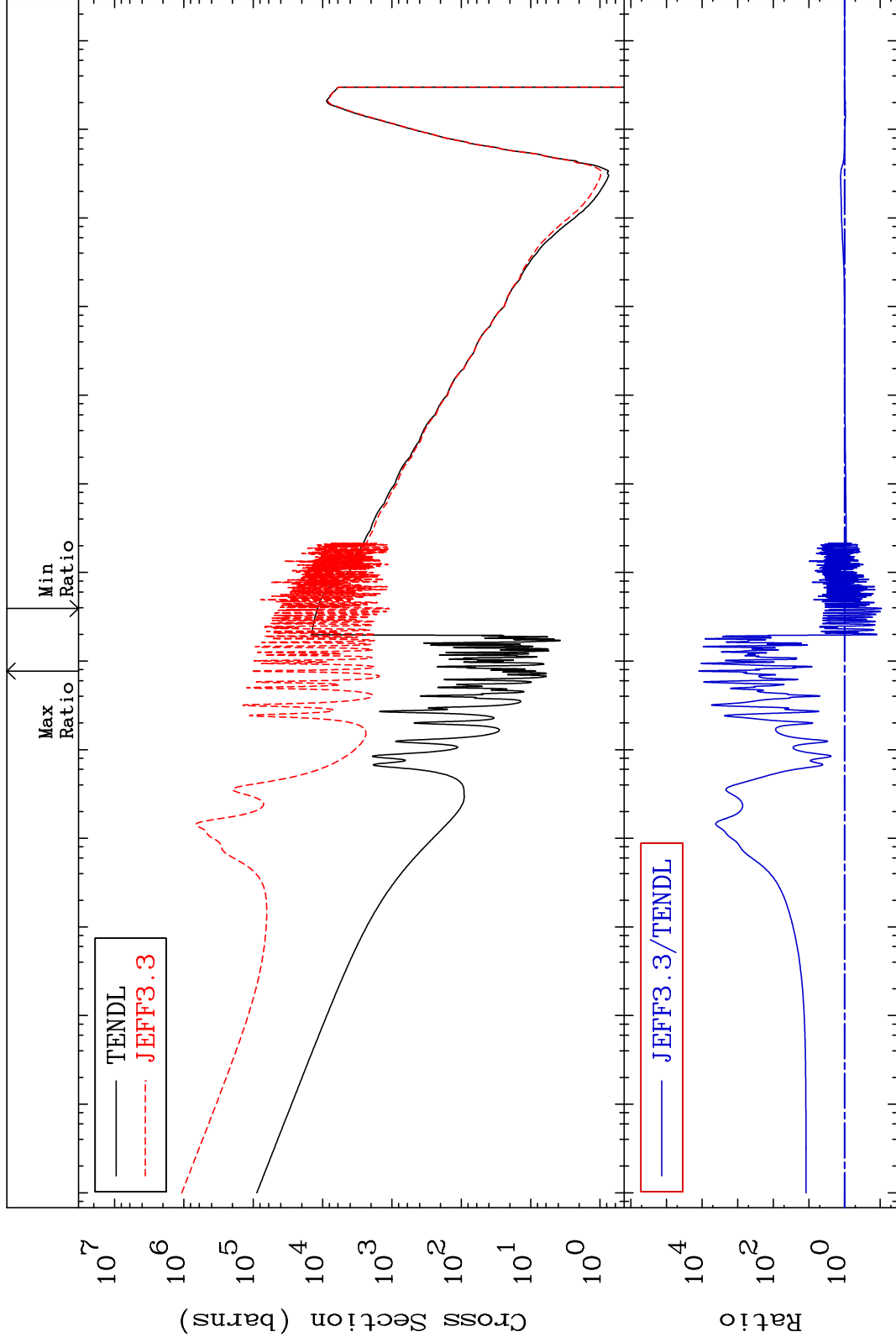
MAT 6522

Dpa disappearance (mt102 -120)

65-Tb-158

-90.82 To 9999. %

Cross Section



79

Incident Energy (eV)

65-Tb-158

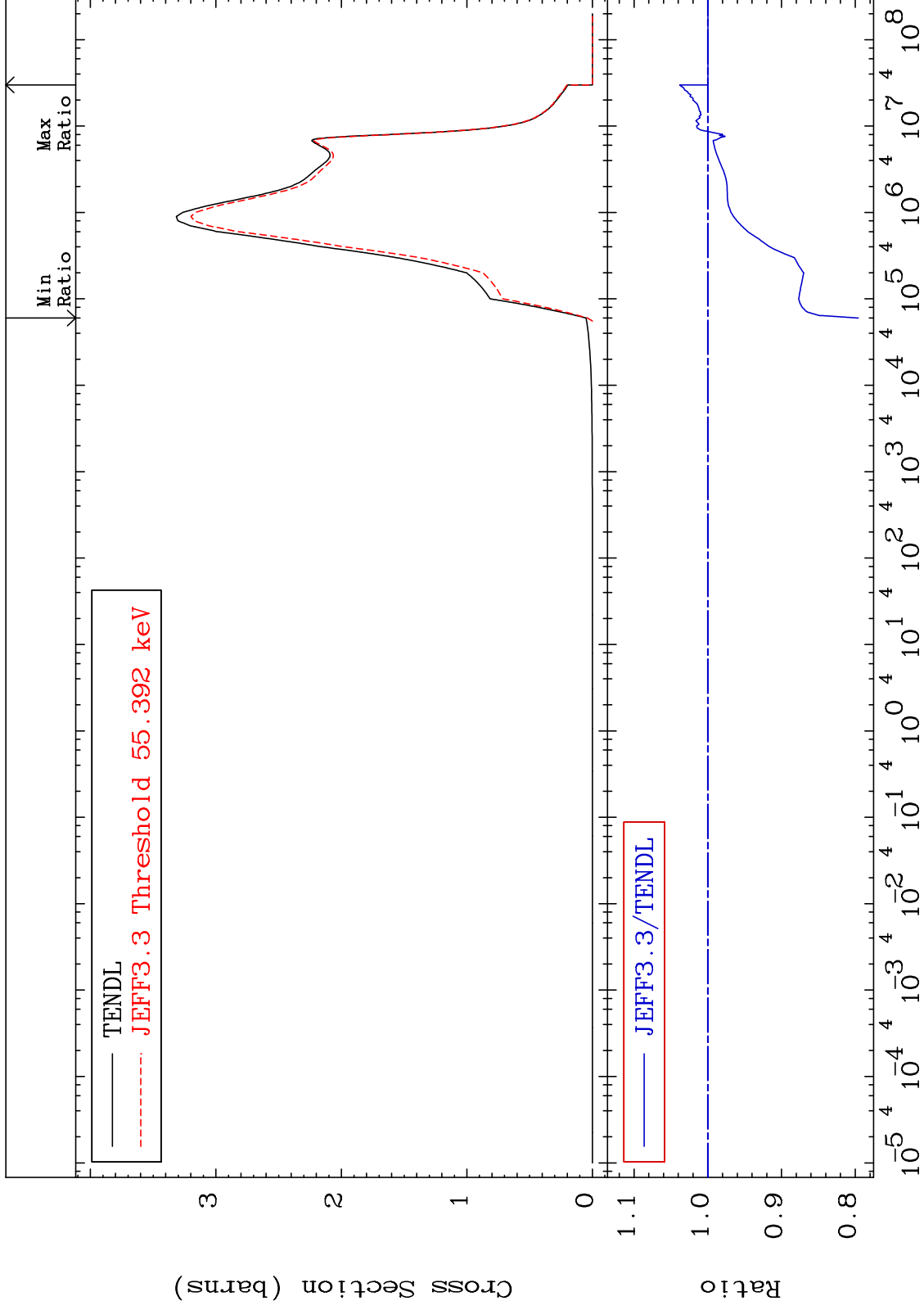
MAT 6522

Inelastic: 65-Tb-158

65-Tb-158

Radionuclide Production Cross Section

-20.42 To 3.796 %



80

Incident Energy (eV)

65-Tb-158

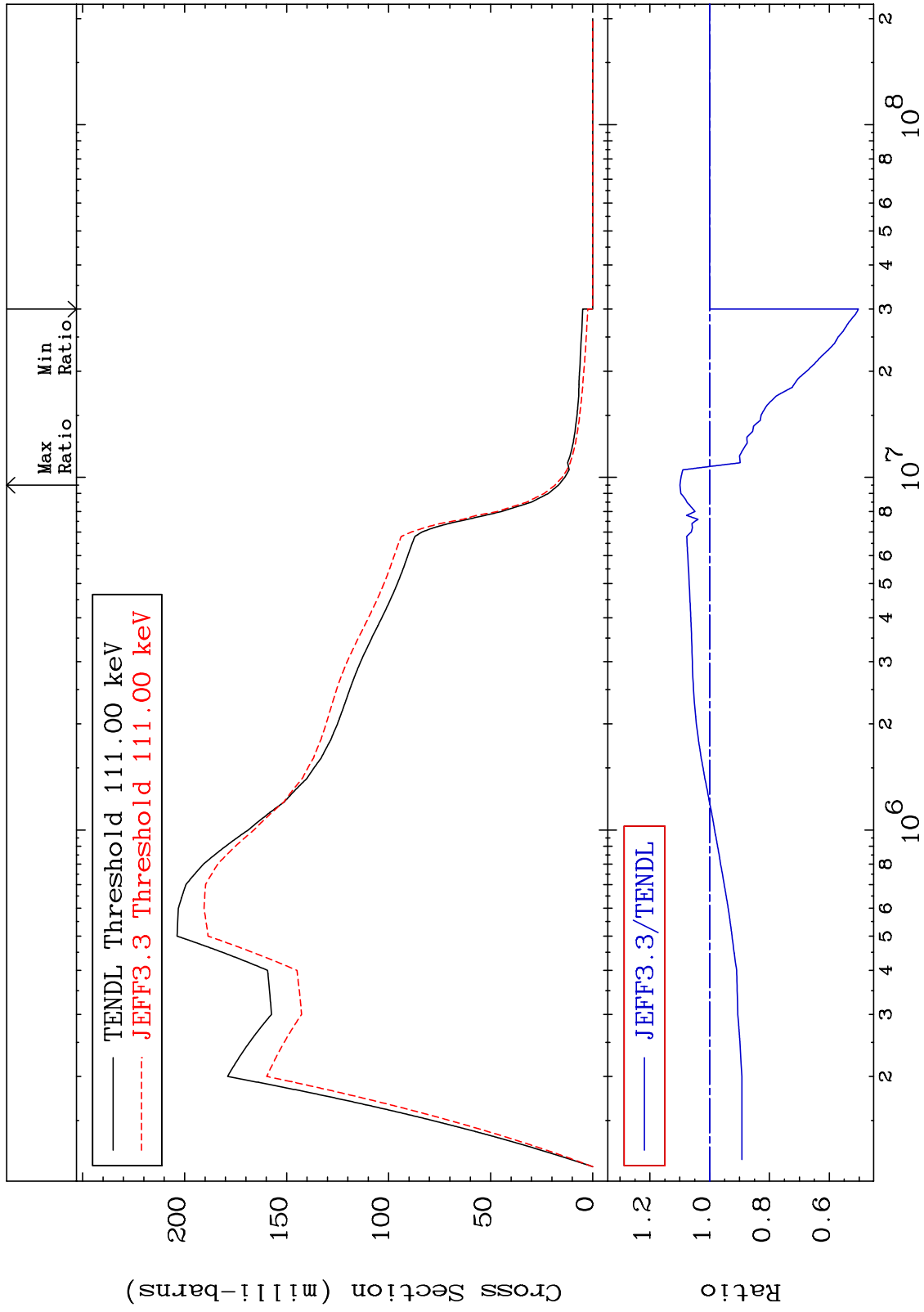
MAT 6522

Inelastic:65-Tb-158m3

65-Tb-158

Radionuclide Production Cross Section

-49.74 To 9.919 %

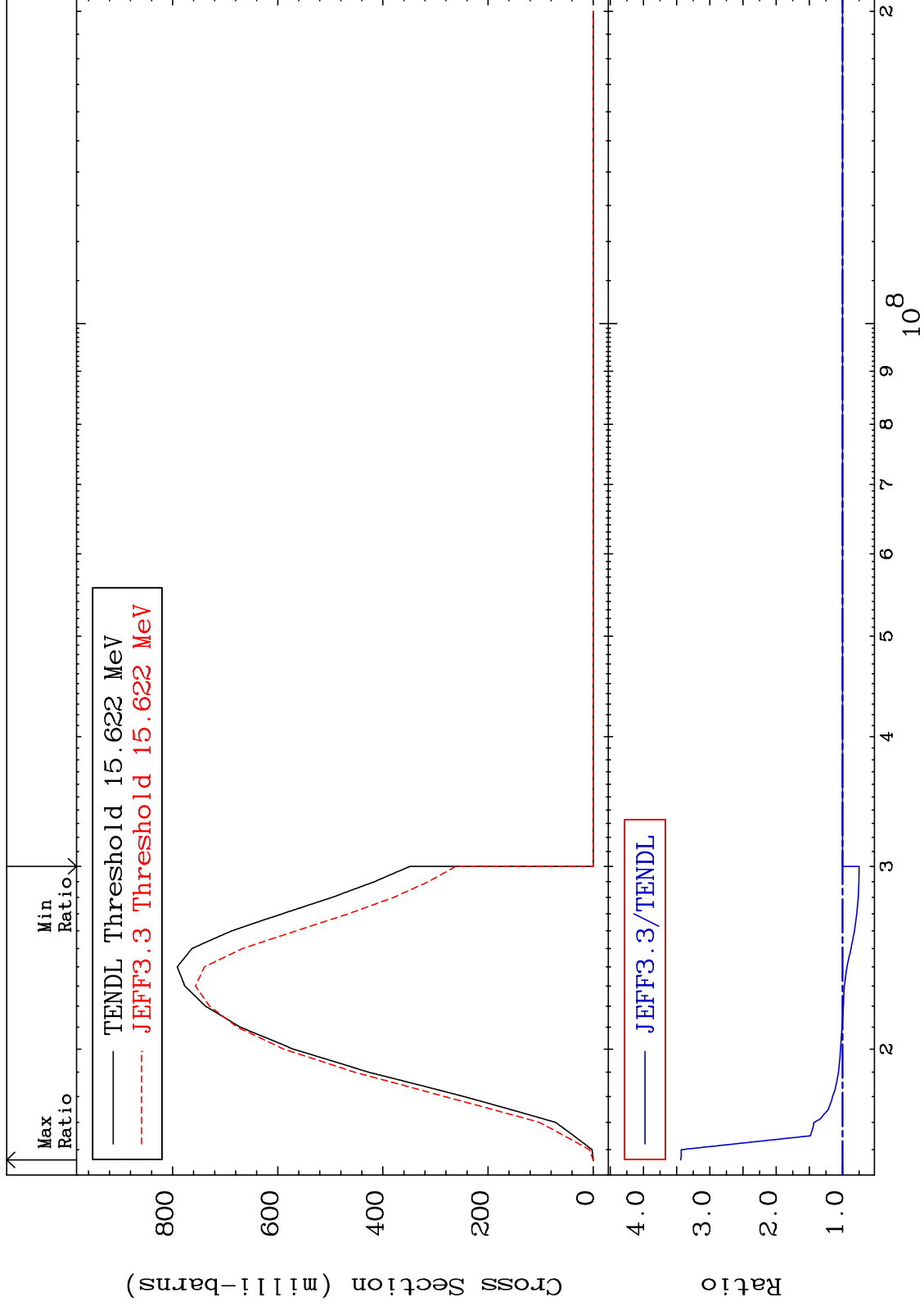


MAT 6522

(n,3n):65-Tb-156g

65-Tb-158

Radionuclide Production Cross Section -24.94 To 243.9 %

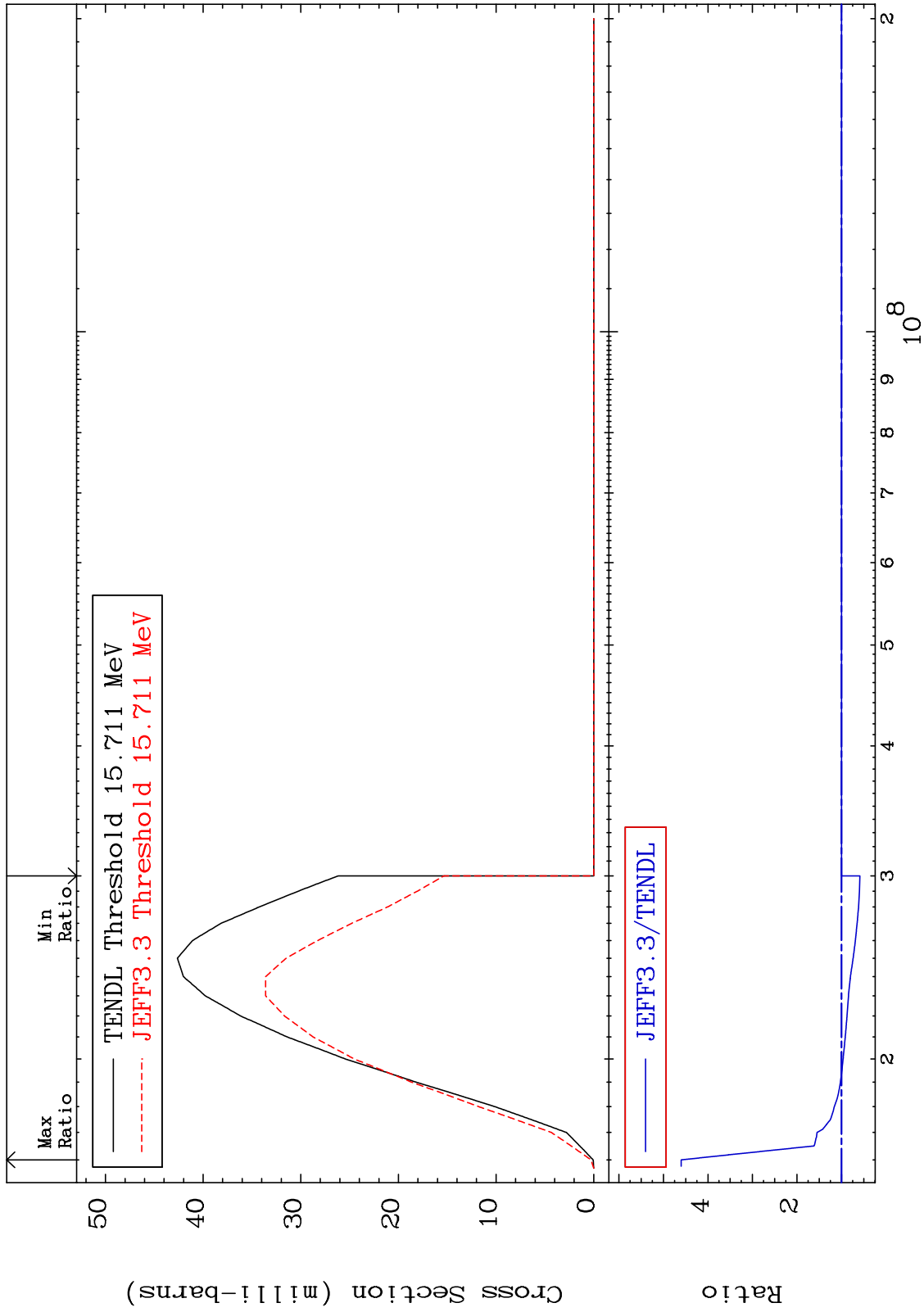


MAT 6522

(n, 3n): 65-Tb-156m3

65-Tb-158

Radionuclide Production Cross Section -41.39 To 360.0 %

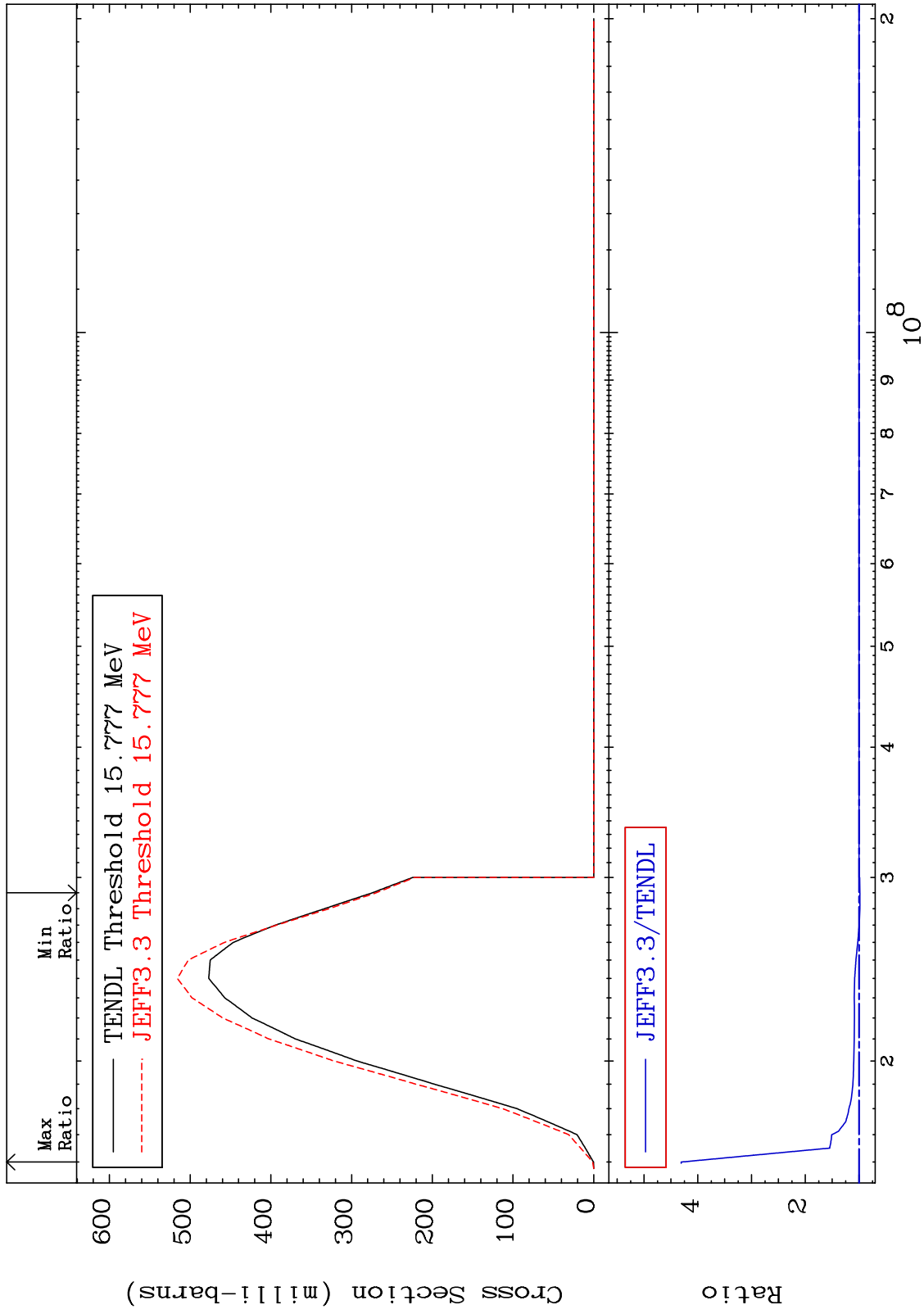


MAT 6522

(n,3n): 65-Tb-156m6

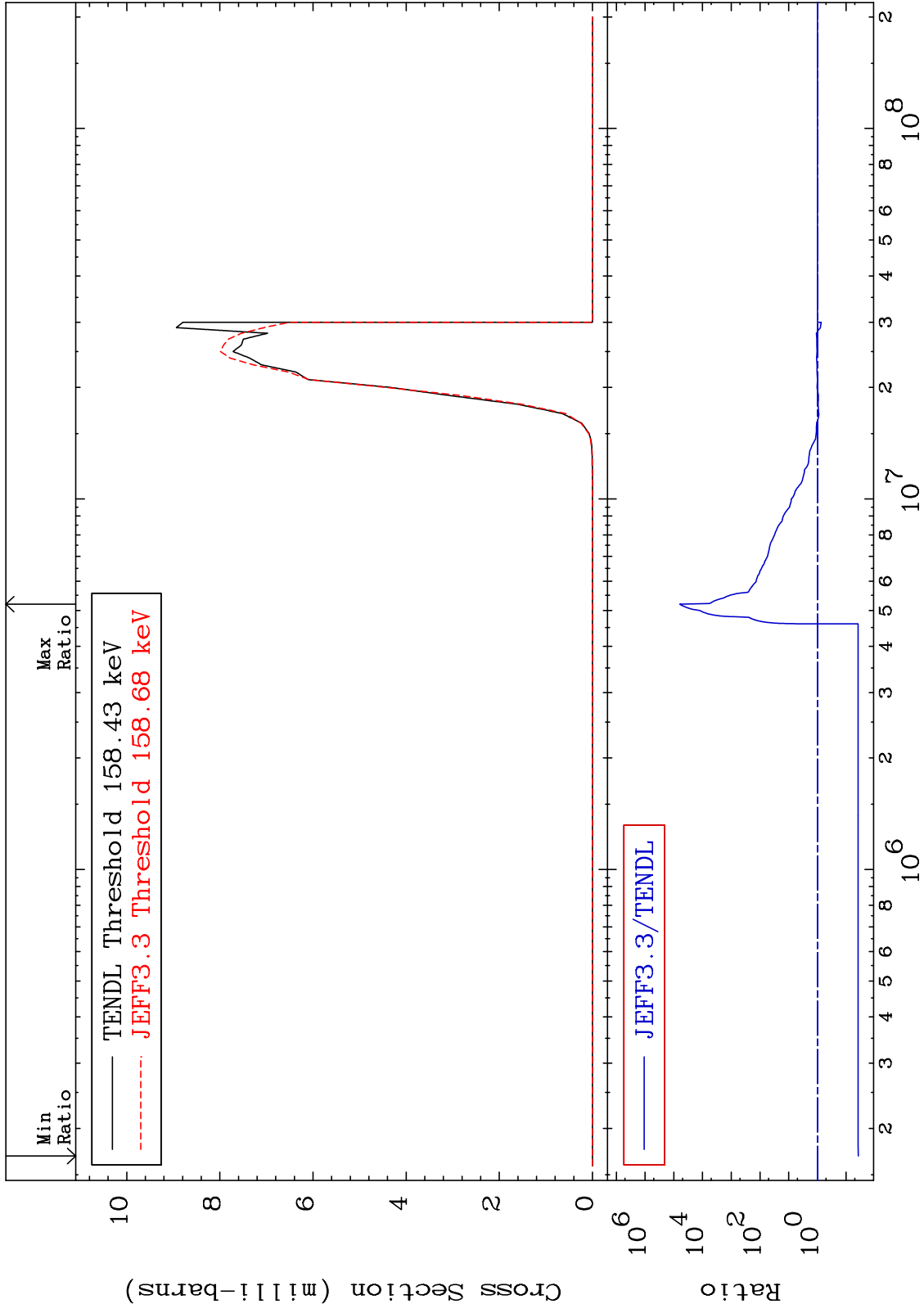
65-Tb-158

Radionuclide Production Cross Section -1.690 To 330.8 %



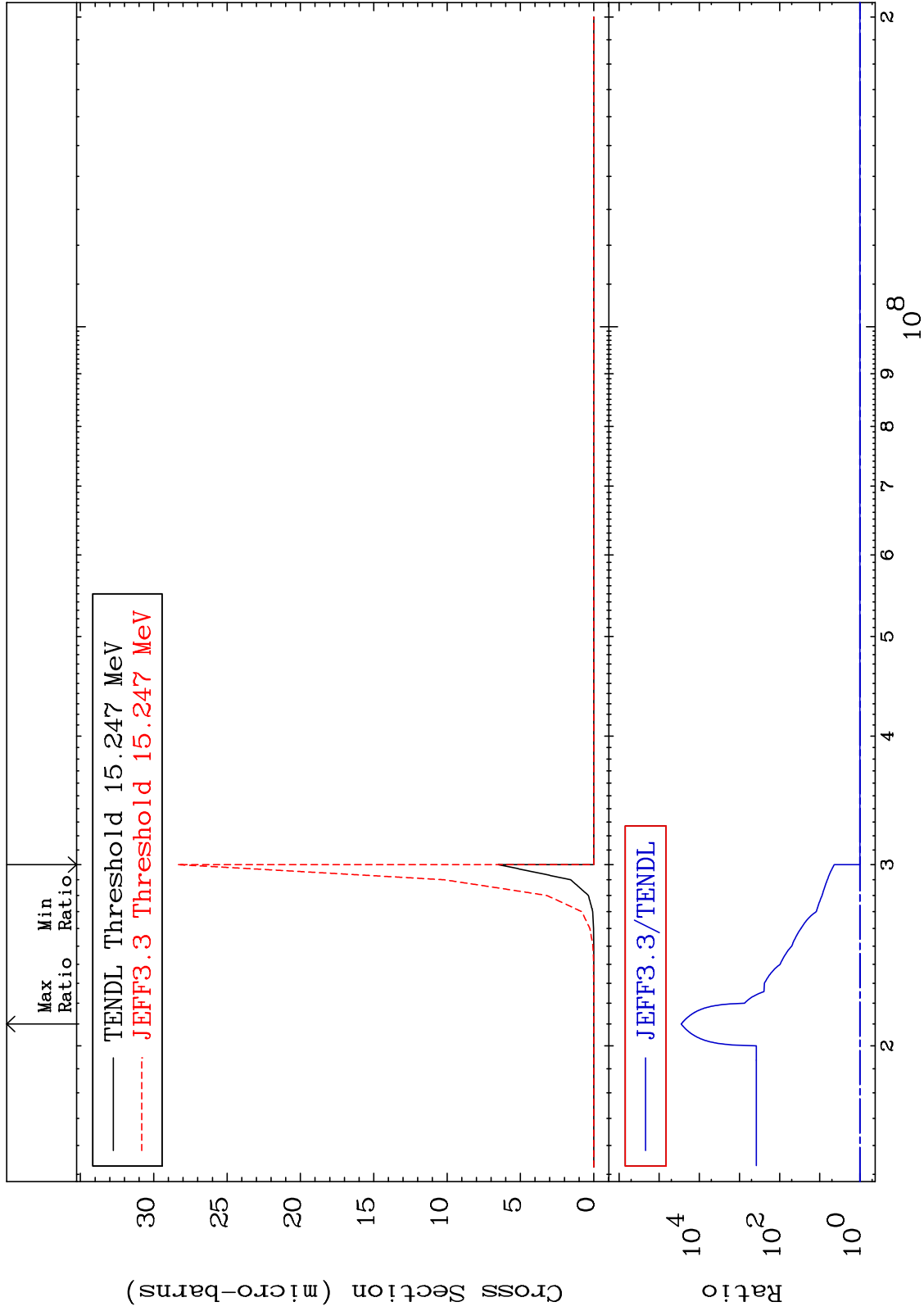
MAT 6522

(n, n') α :63-Eu-154g 65-Tb-158
Radionuclide Production Cross Section -96.25 To 9999. %



MAT 6522

(n,3n) α :63-Eu-152g 65-Tb-158
Radionuclide Production Cross Section 0.000 To 9999. %



MAT 6522

(n,3n) α : 63-Eu-152m1

65-Tb-158

Radionuclide Production Cross Section 0.000 To 9999. %

