

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

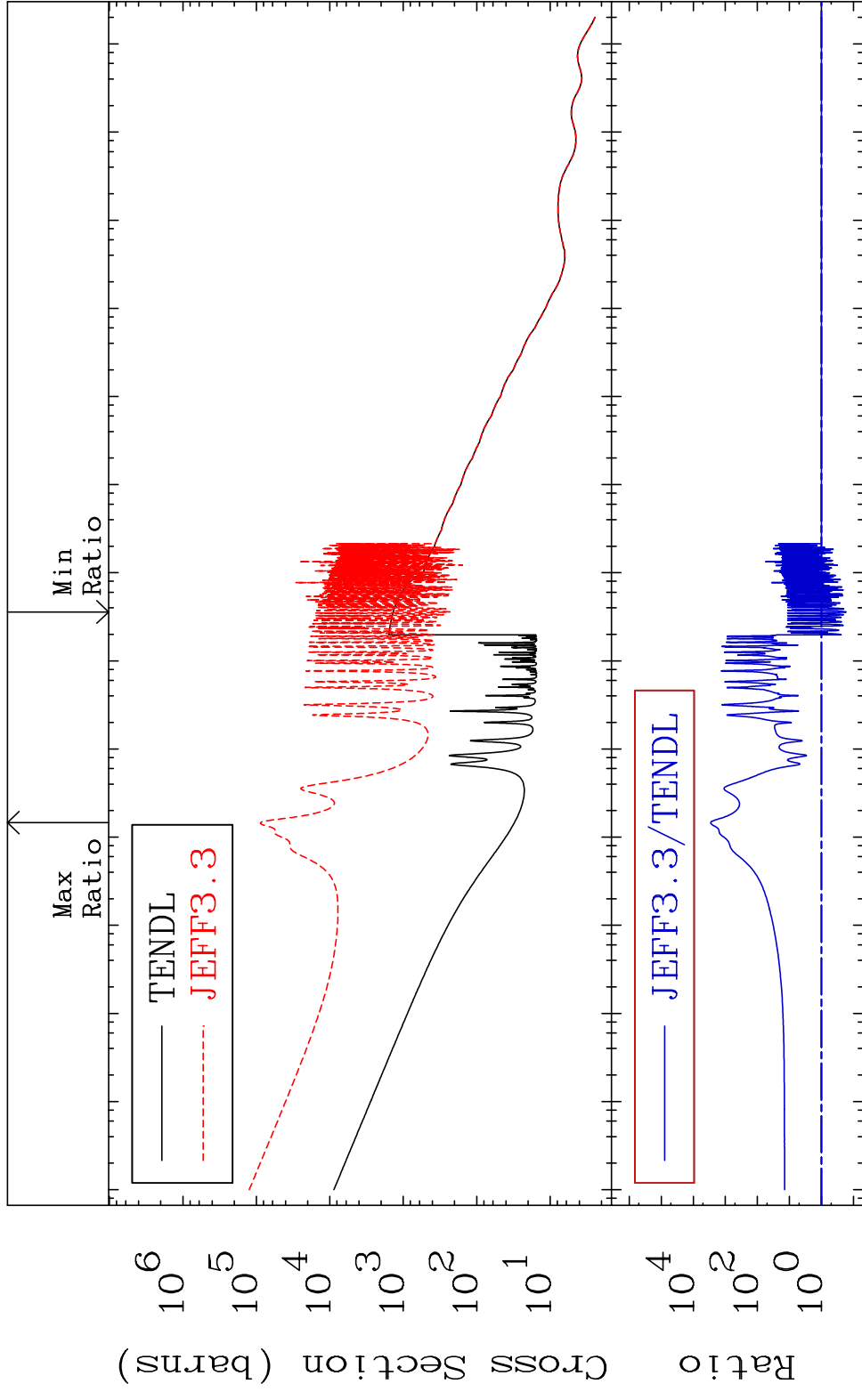
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6522

Total Cross Section -83.24 To 9999. %

65-Tb-158



1

Incident Energy (eV)

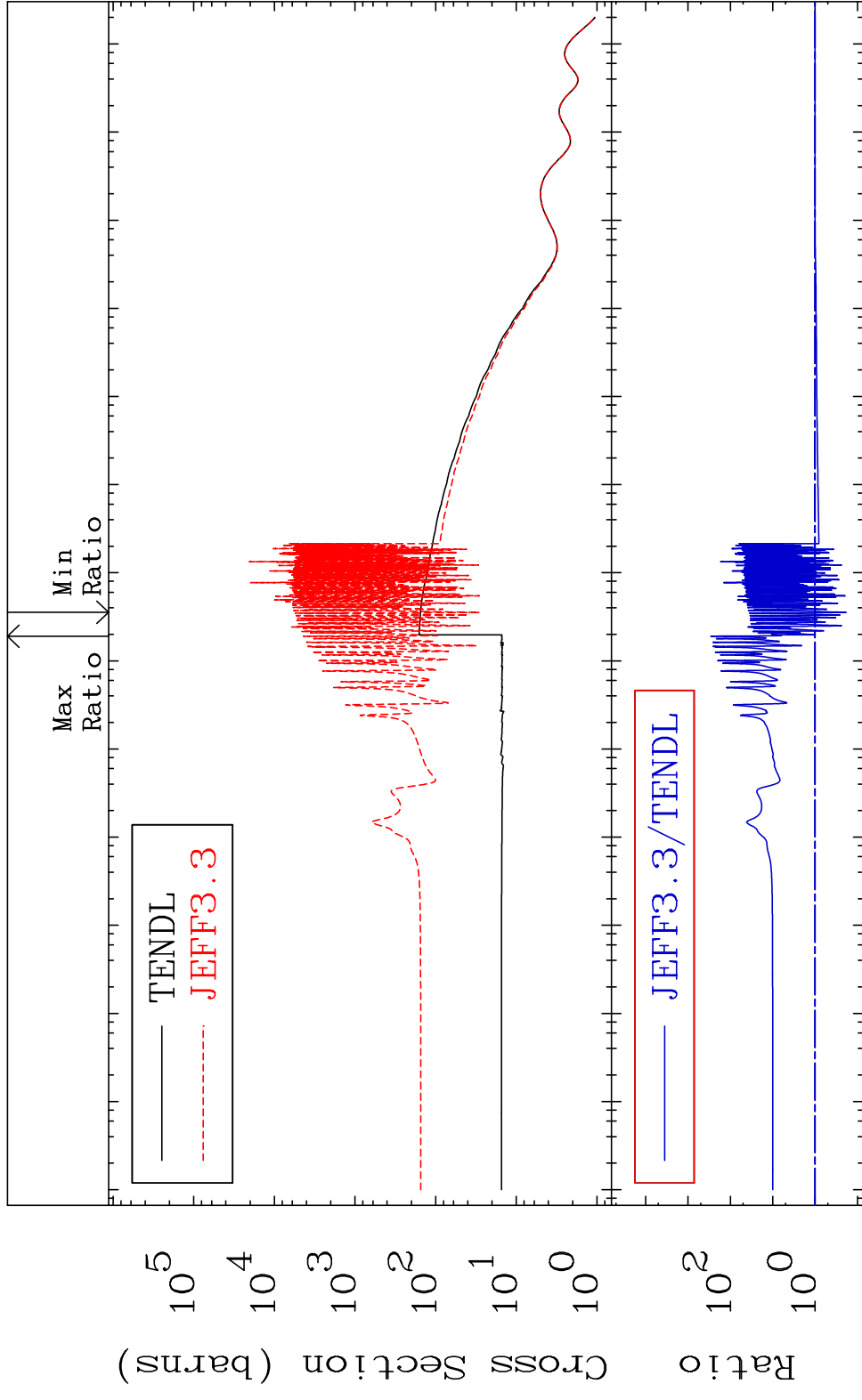
65-Tb-158

MAT 6522

65-Tb-158

Elastic

Cross Section -81.63 To 9999. %

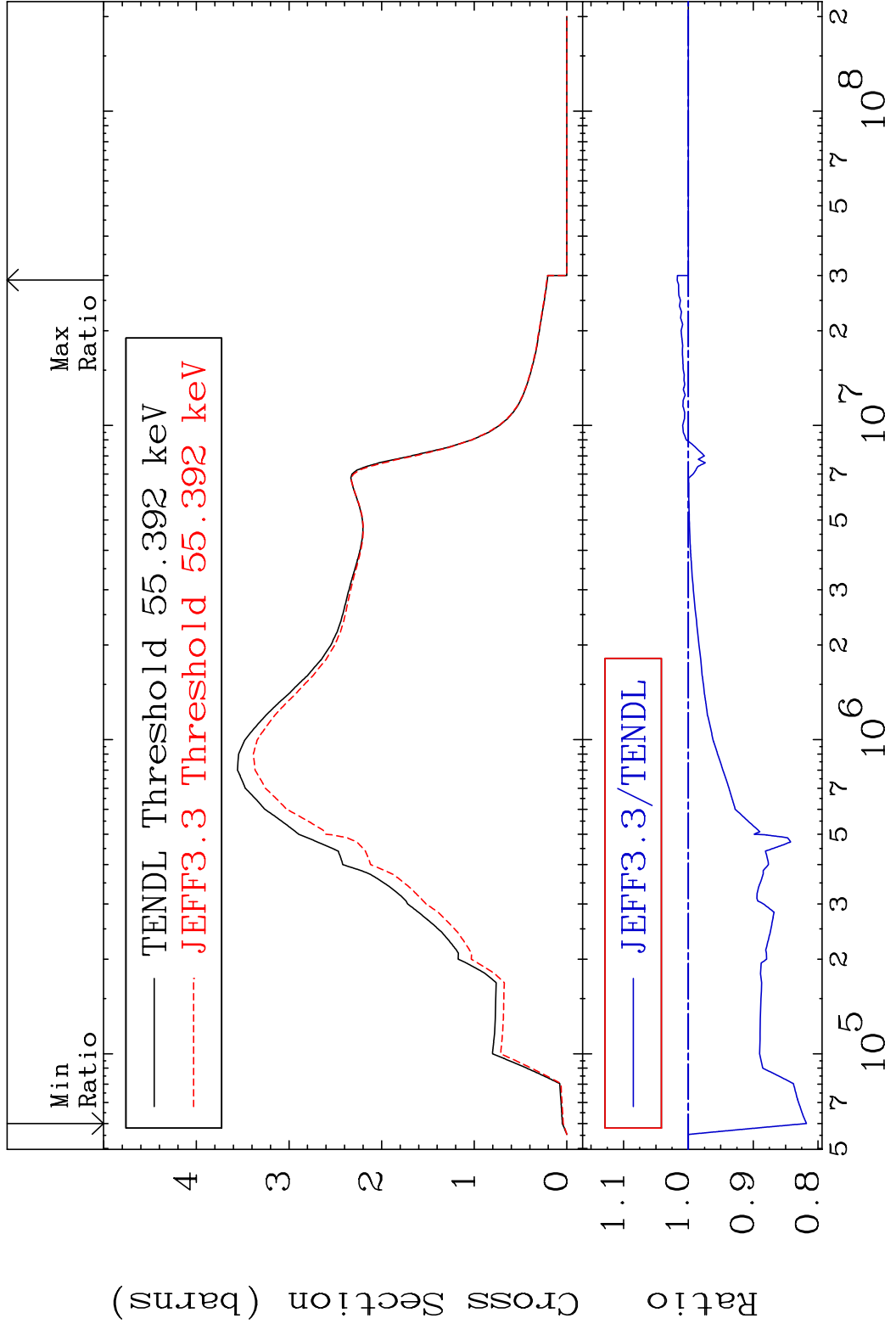


2

Incident Energy (eV)

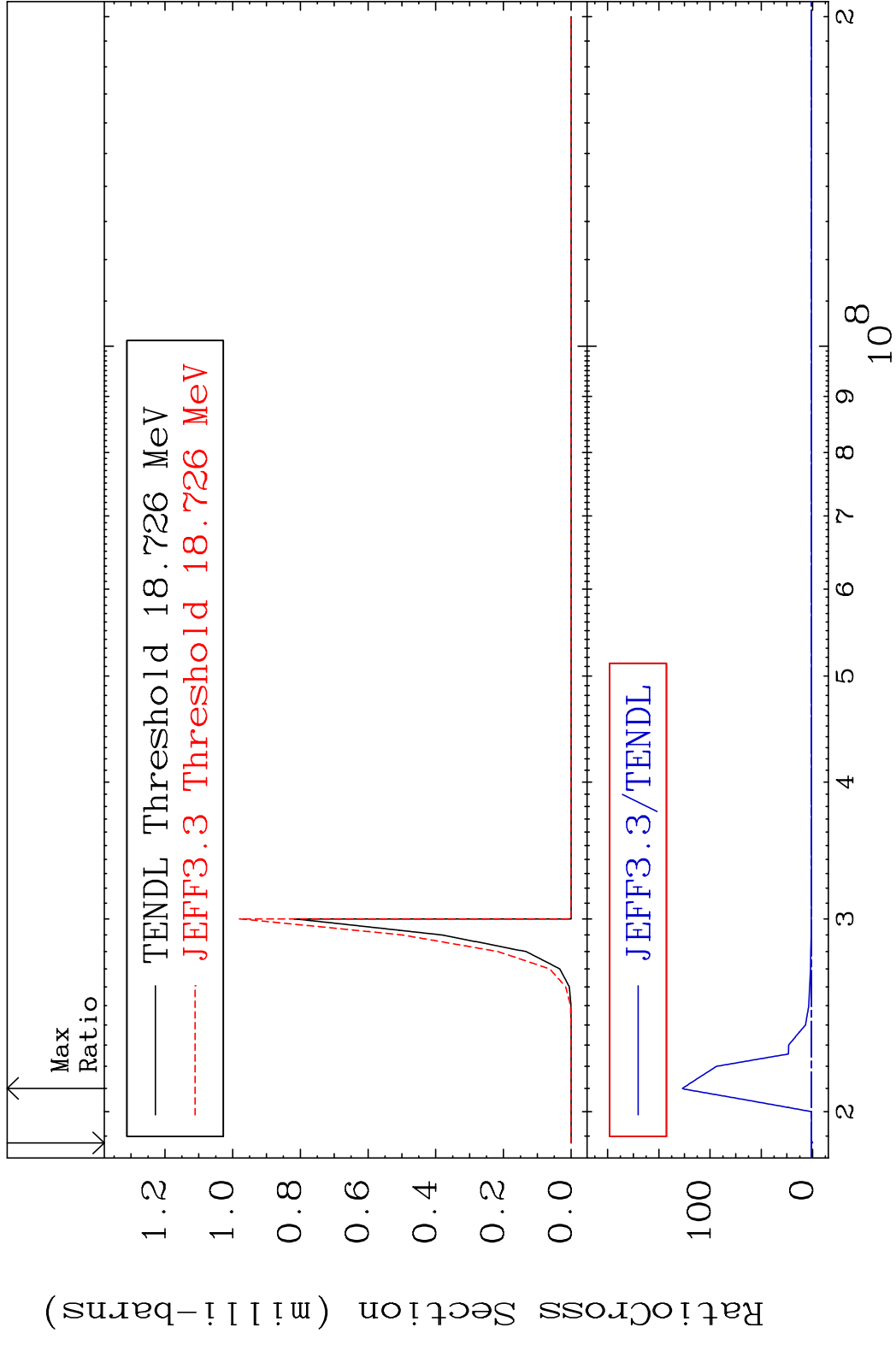
65-Tb-158

MAT 6522 Inelastic 65-Tb-158
 Cross Section -18.21 To 1.716 %



3 Incident Energy (eV) 65-Tb-158

MAT 6522 (n,2n) d 65-Tb-158
 Cross Section -100.0 To 9999. %



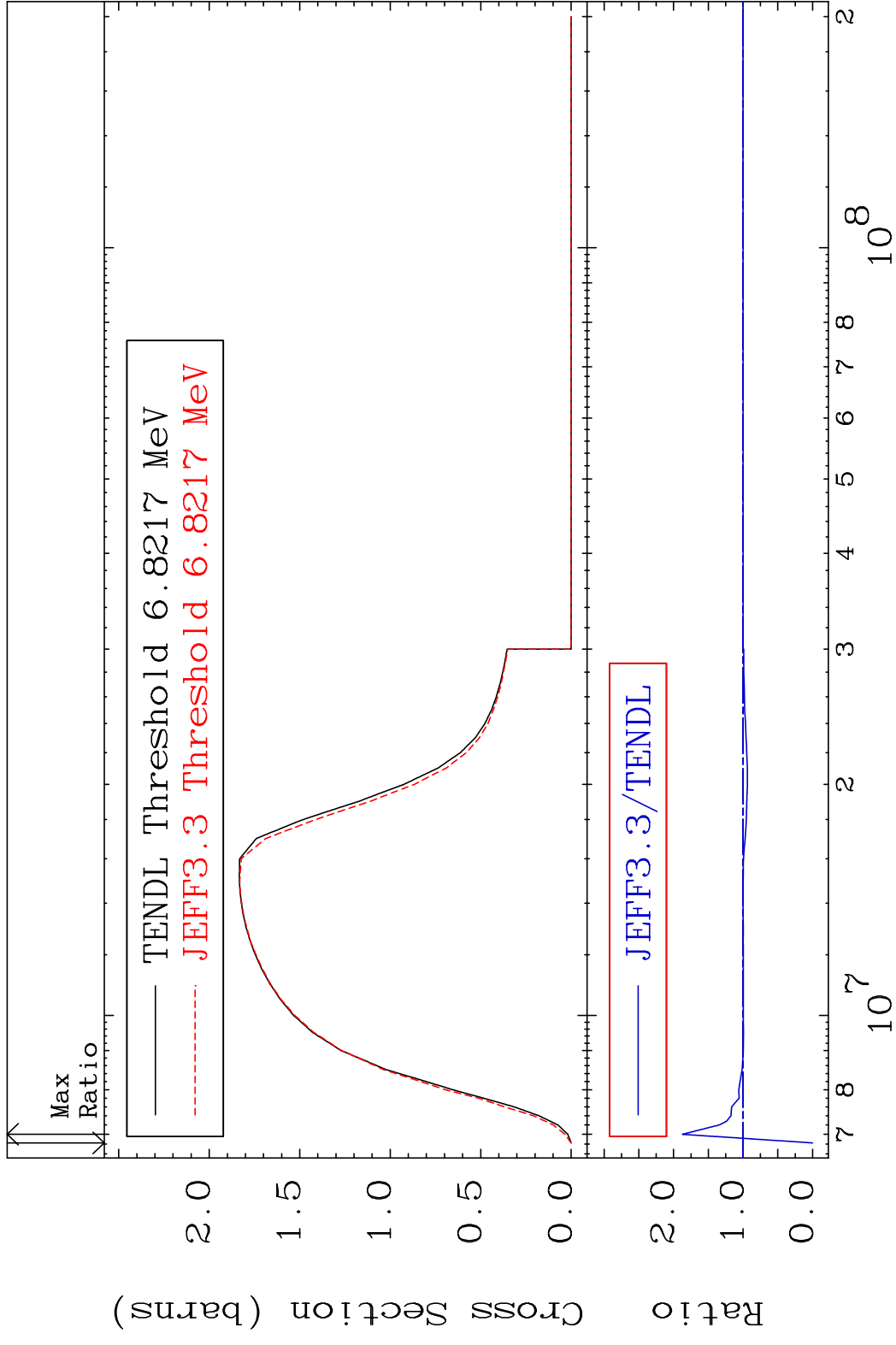
4 Incident Energy (eV) 65-Tb-158

MAT 6522

(n,2n)

65-Tb-158

Cross Section -100.0 To 87.41 %



5

Incident Energy (eV)

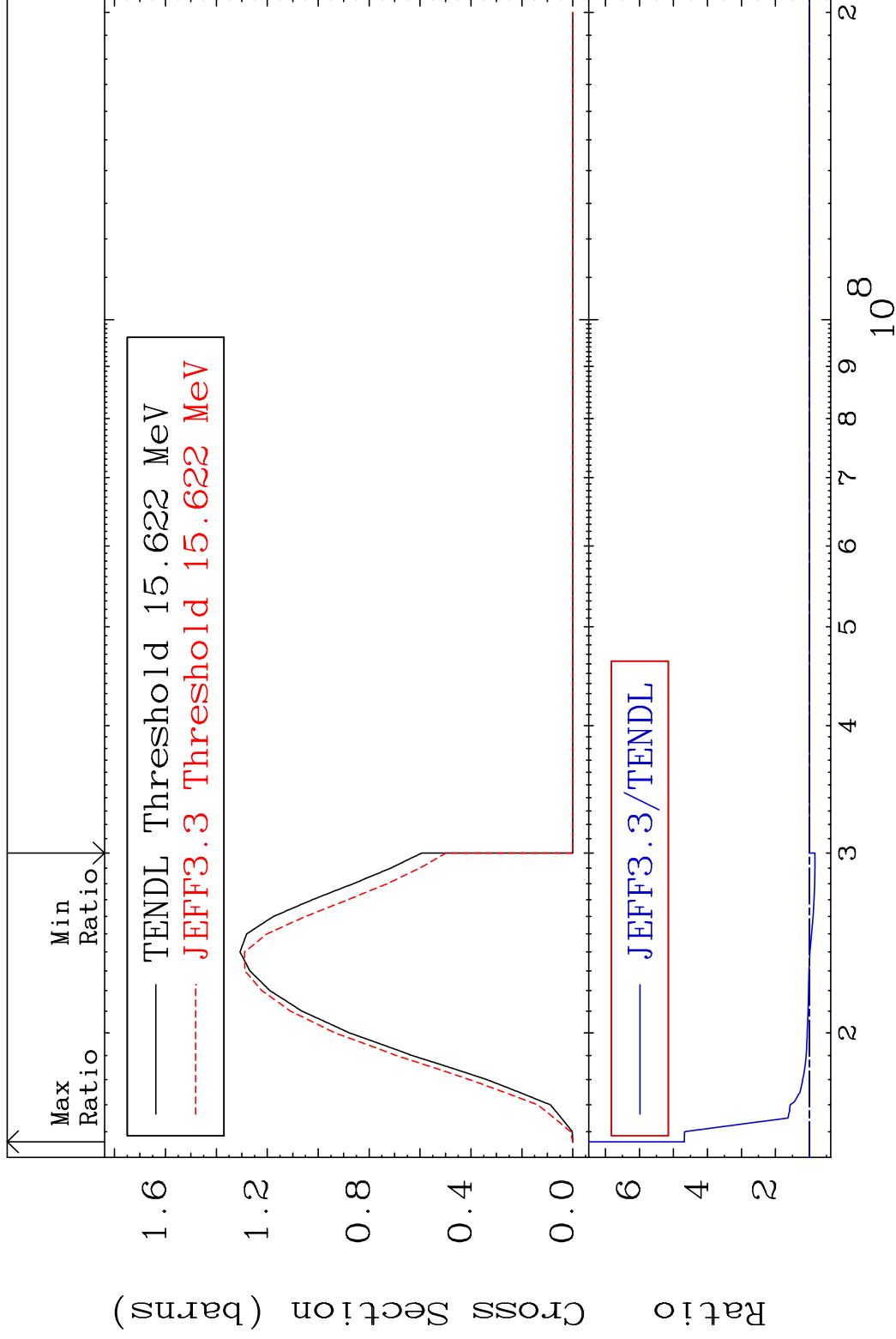
65-Tb-158

MAT 6522

(n,3n)

65-Tb-158

Cross Section -16.01 To 368.1 %



6

Incident Energy (eV)

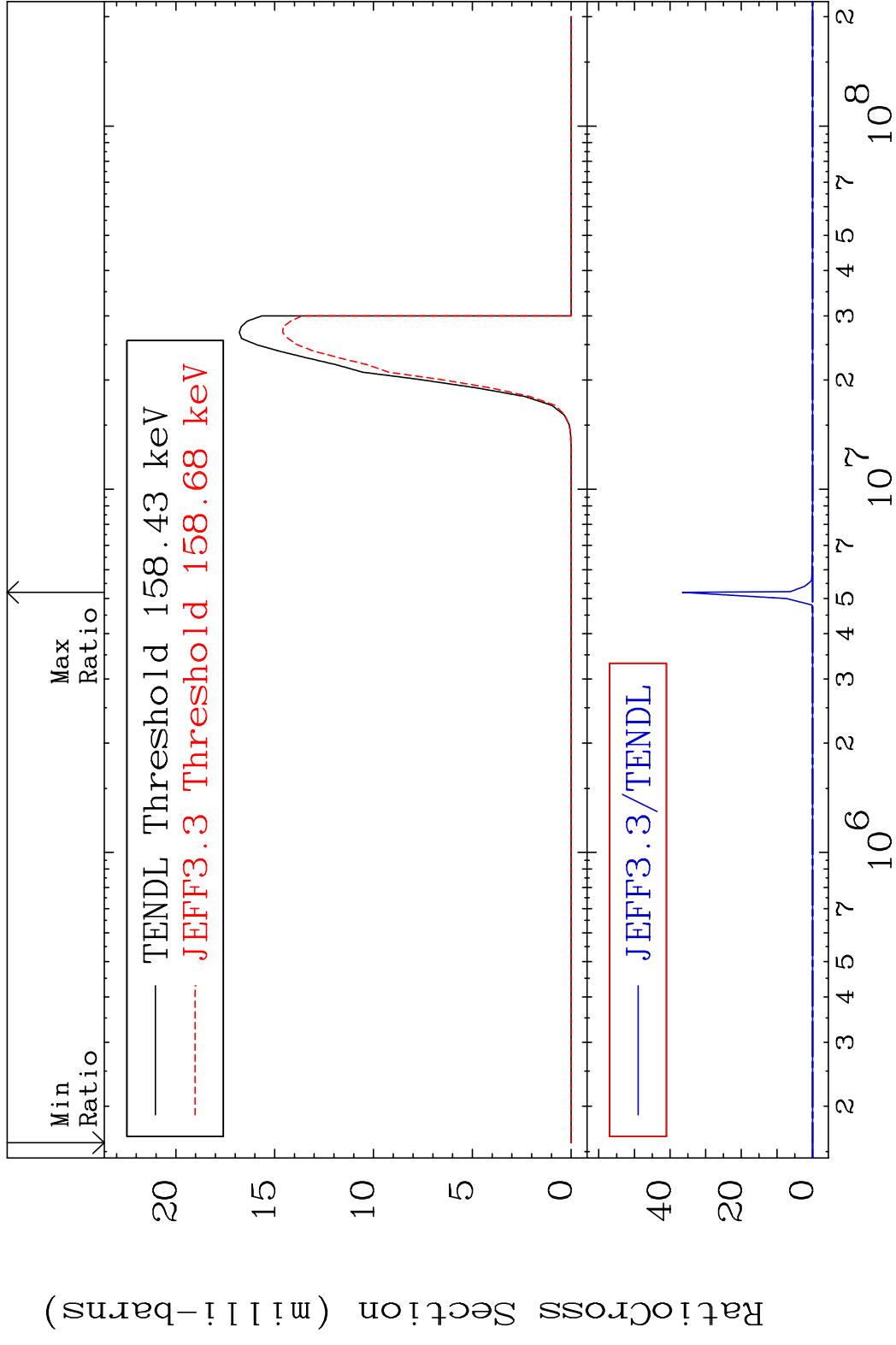
65-Tb-158

MAT 6522

(n, n') α

65-Tb-158

Cross Section -100.0 To 9999. %

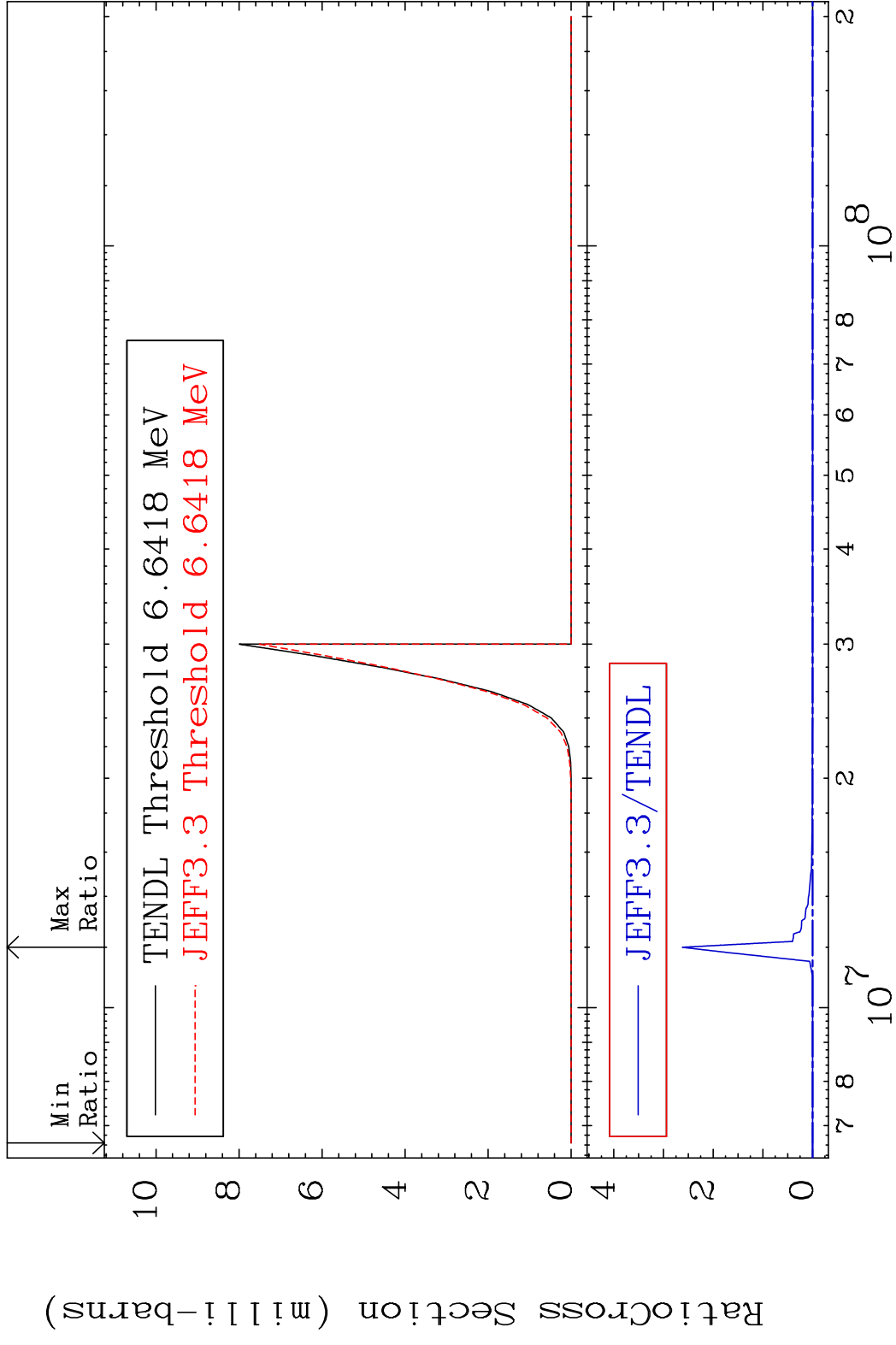


7

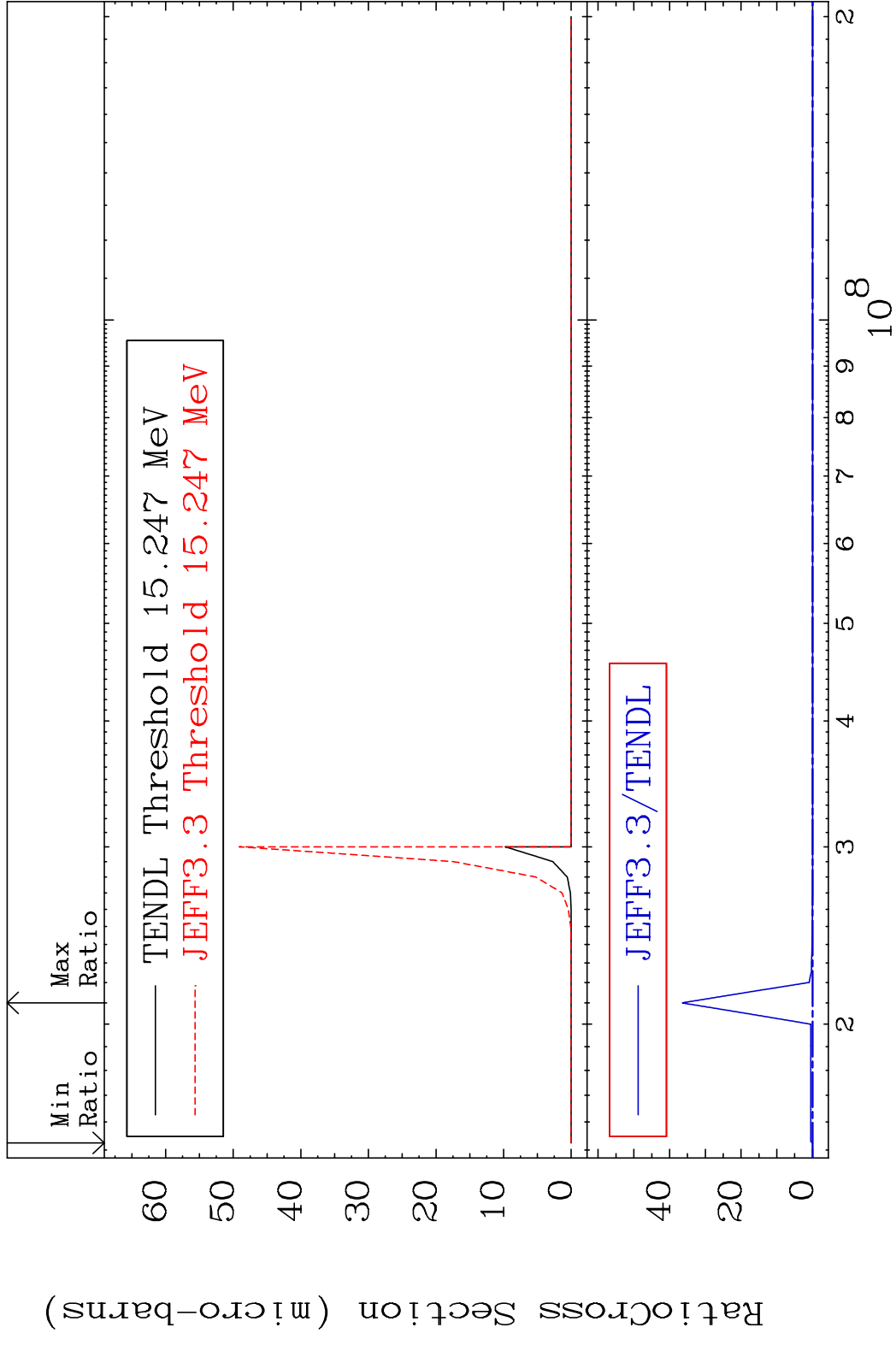
Incident Energy (eV)

65-Tb-158

MAT 6522 (n,2n) α 65-Tb-158
 Cross Section -100.0 To 9999. %



MAT 6522 (n,3n) α 65-Tb-158
 Cross Section -100.0 To 9999. %

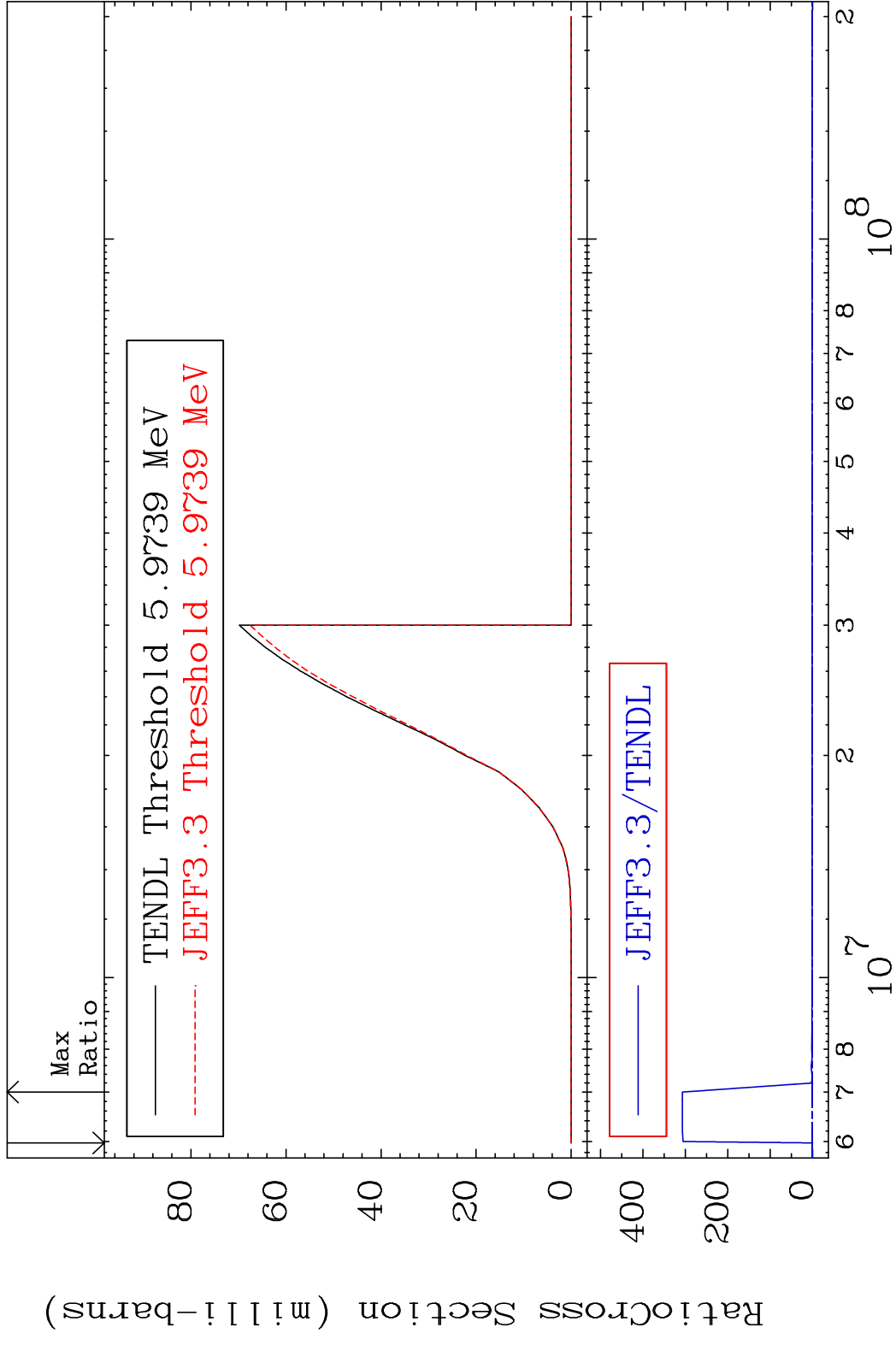


MAT 6522

(n, n') p

65-Tb-158

Cross Section -100.0 To 9999. %

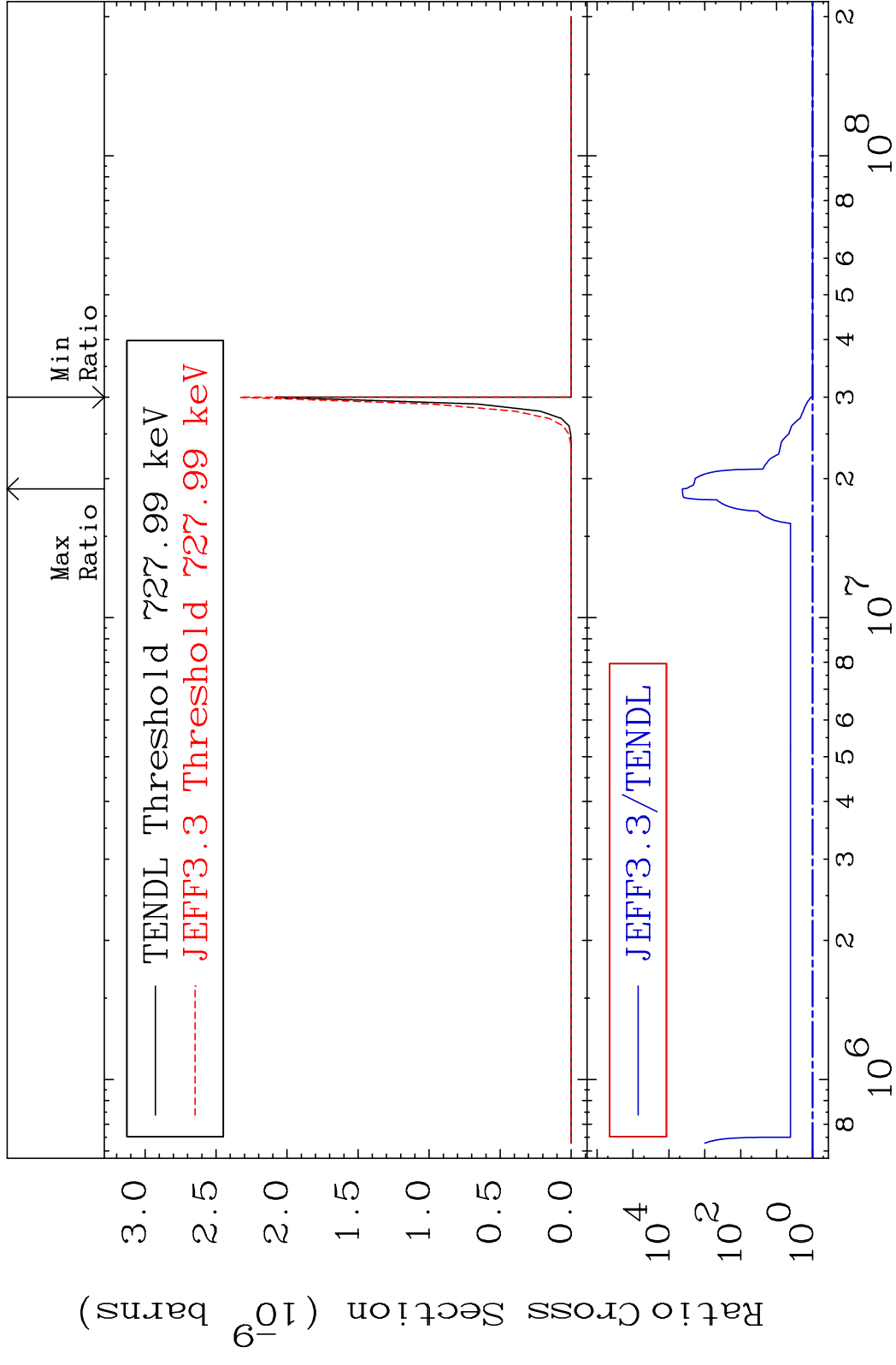


10

Incident Energy (eV)

65-Tb-158

MAT 6522 (n, n') 2α 65-Tb-158
 Cross Section 0.000 To 9999. %

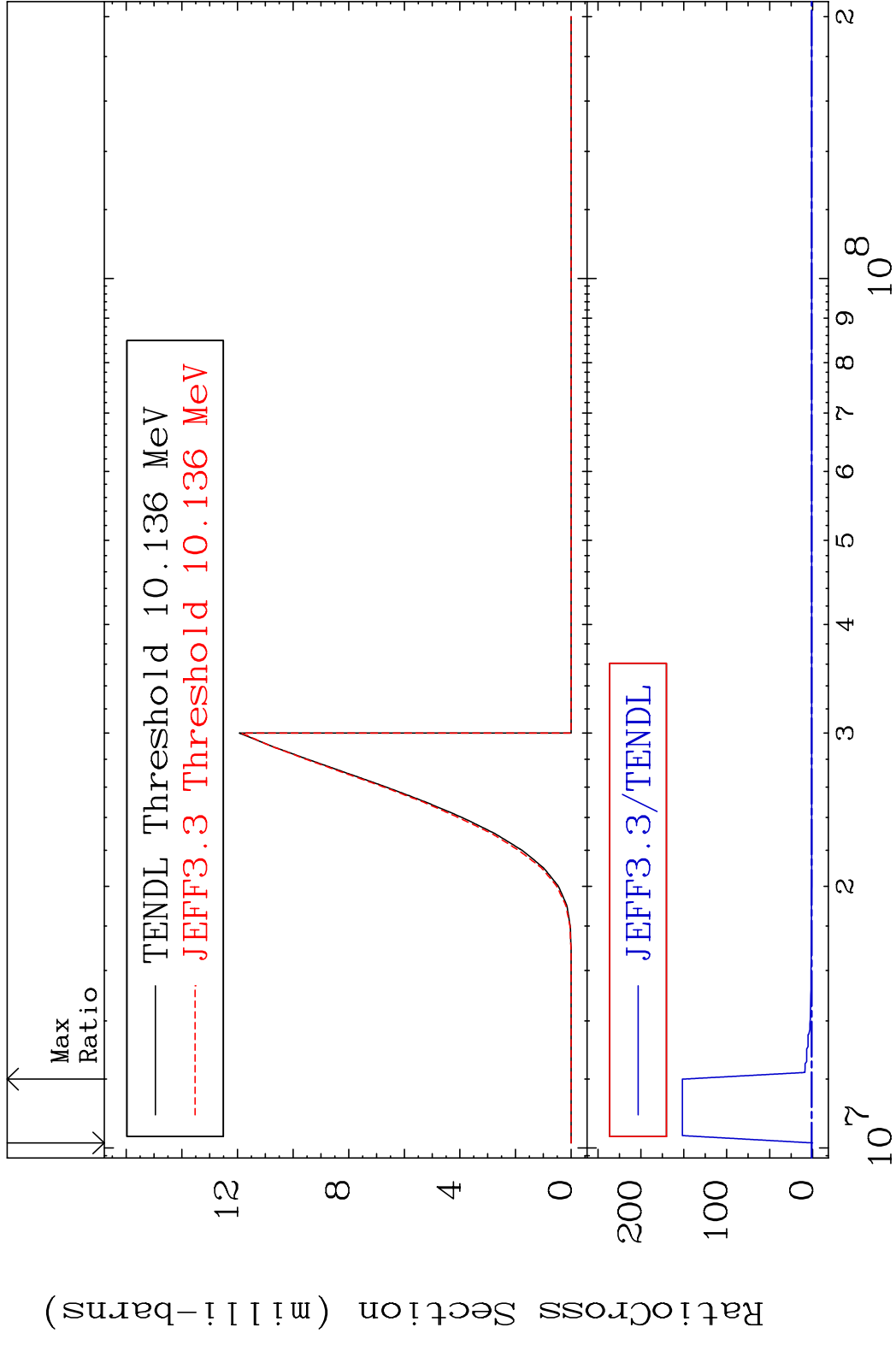


MAT 6522

(n, n') d

65-Tb-158

Cross Section -100.0 To 9999. %



12

Incident Energy (eV)

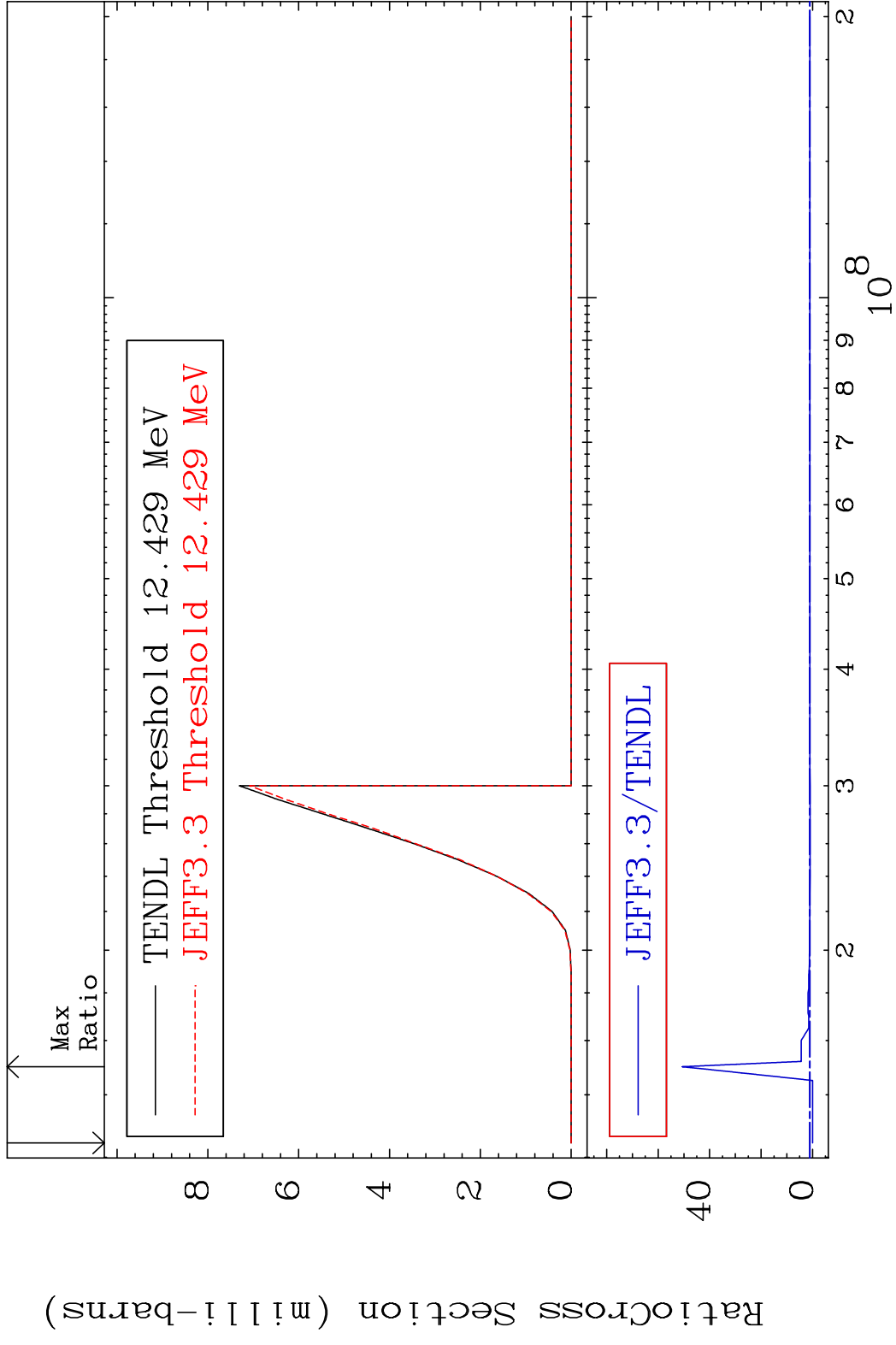
65-Tb-158

MAT 6522

(n, n') t

65-Tb-158

Cross Section -100.0 To 4959. %

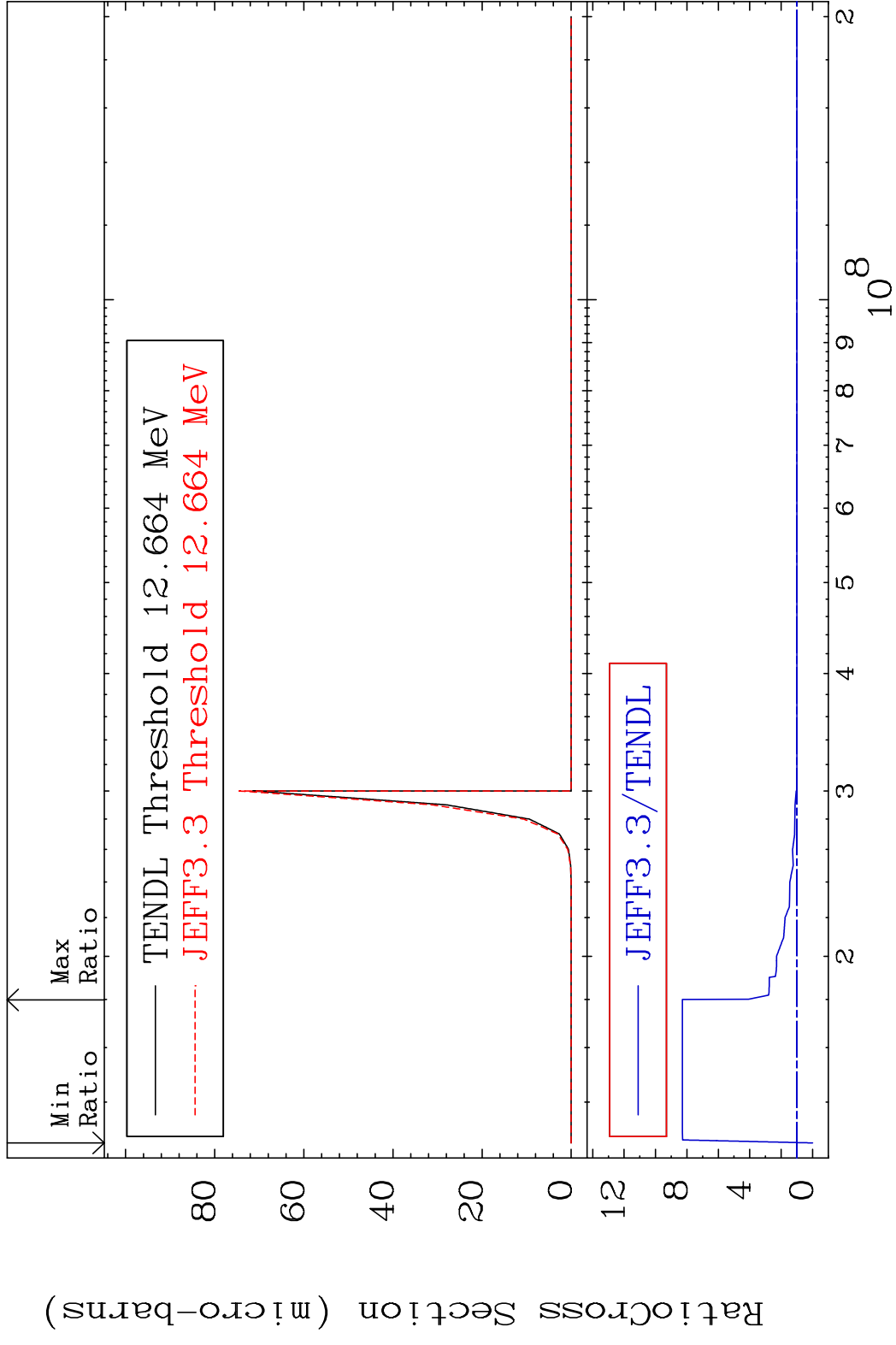


MAT 6522

(n,n') He-3

65-Tb-158

Cross Section -100.0 To 729.1 %

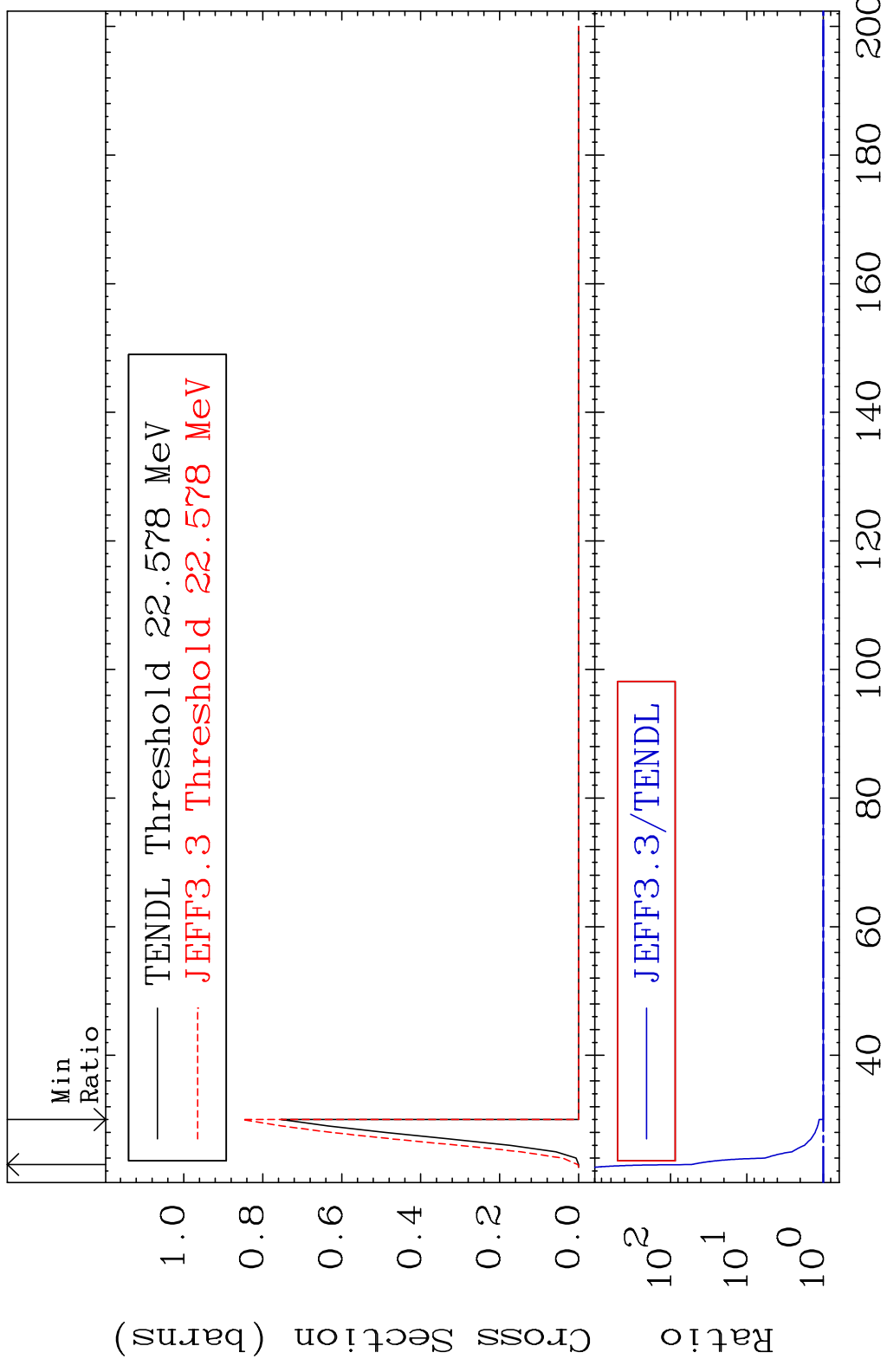


MAT 6522

(n,4n)

65-Tb-158

Cross Section 0.000 To 5236. %

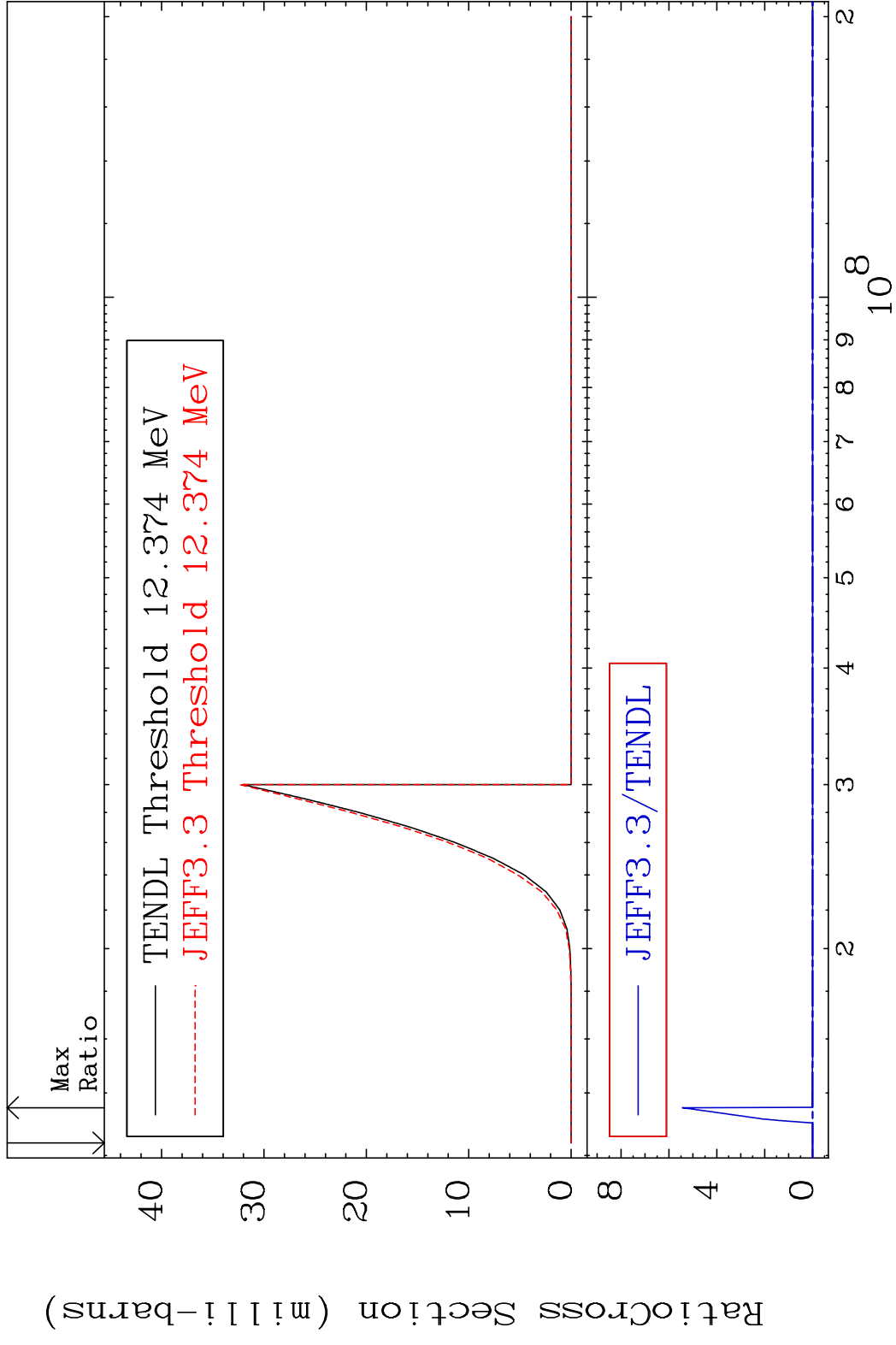


MAT 6522

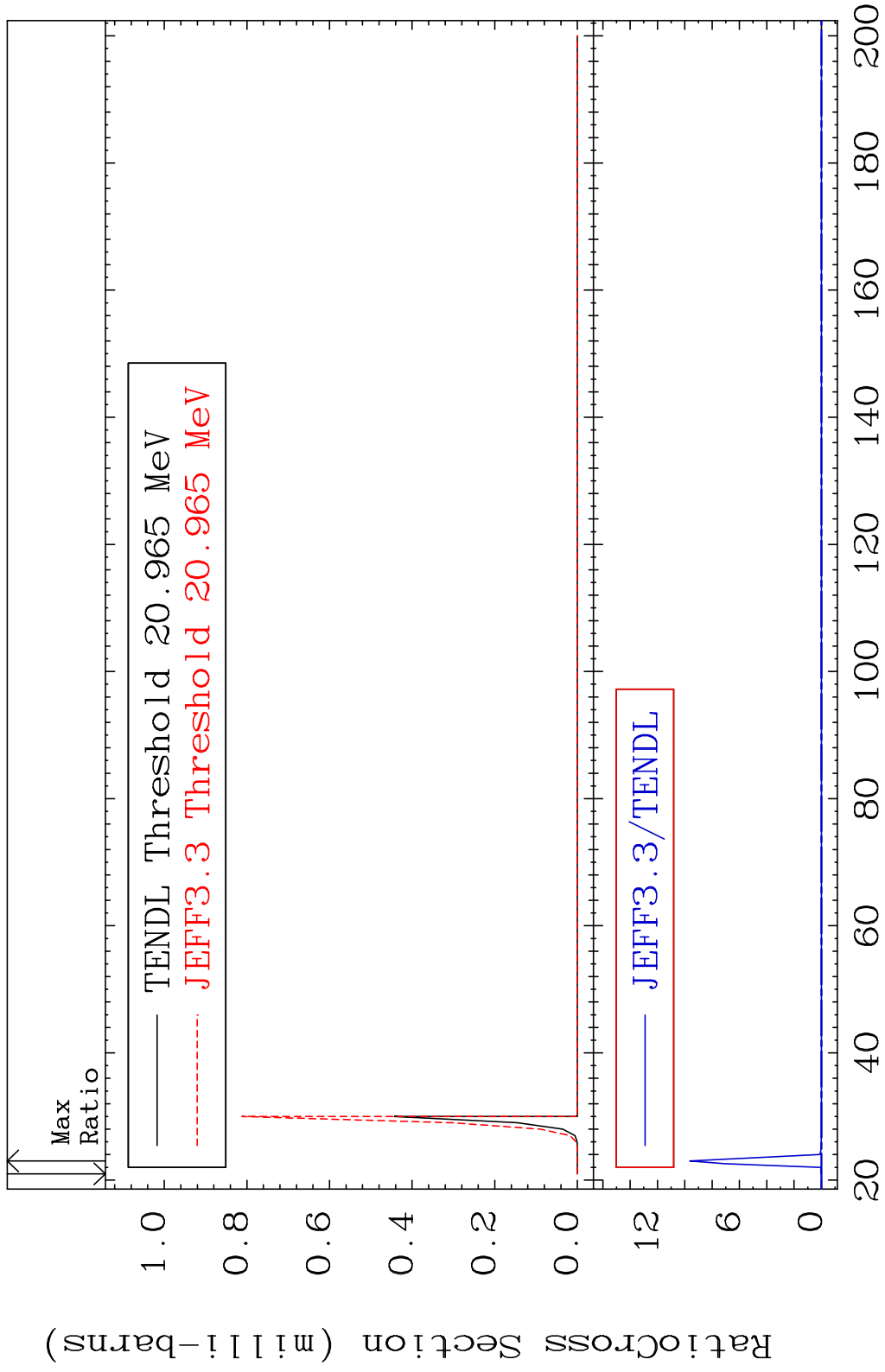
(n,2n) p

65-Tb-158

Cross Section -100.0 To 9999. %



MAT 6522 (n,3n) p 65-Tb-158
 Cross Section -100.0 To 9999. %



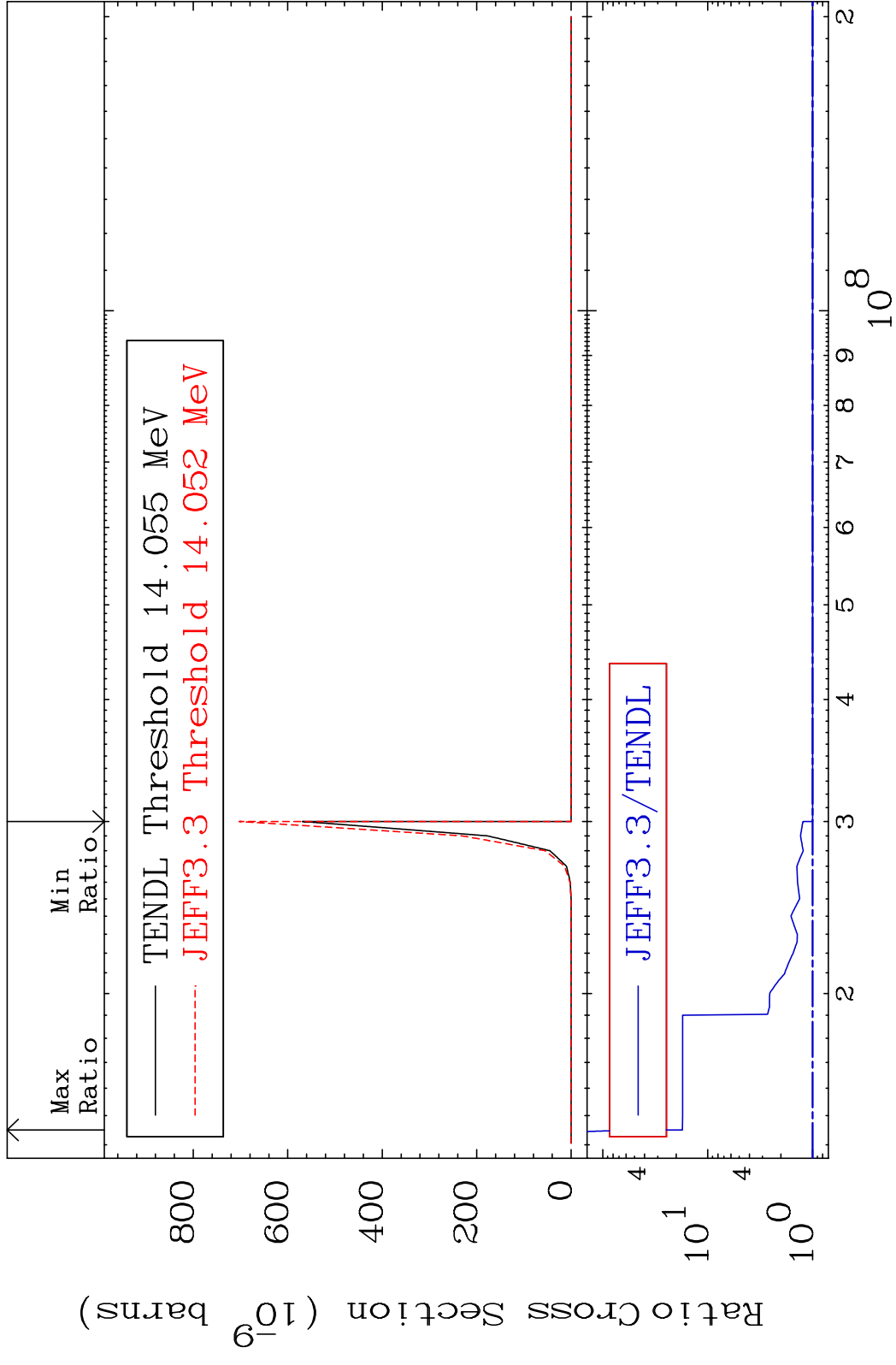
MAT 6522

(n,2n) p

65-Tb-158

Cross Section 0.000

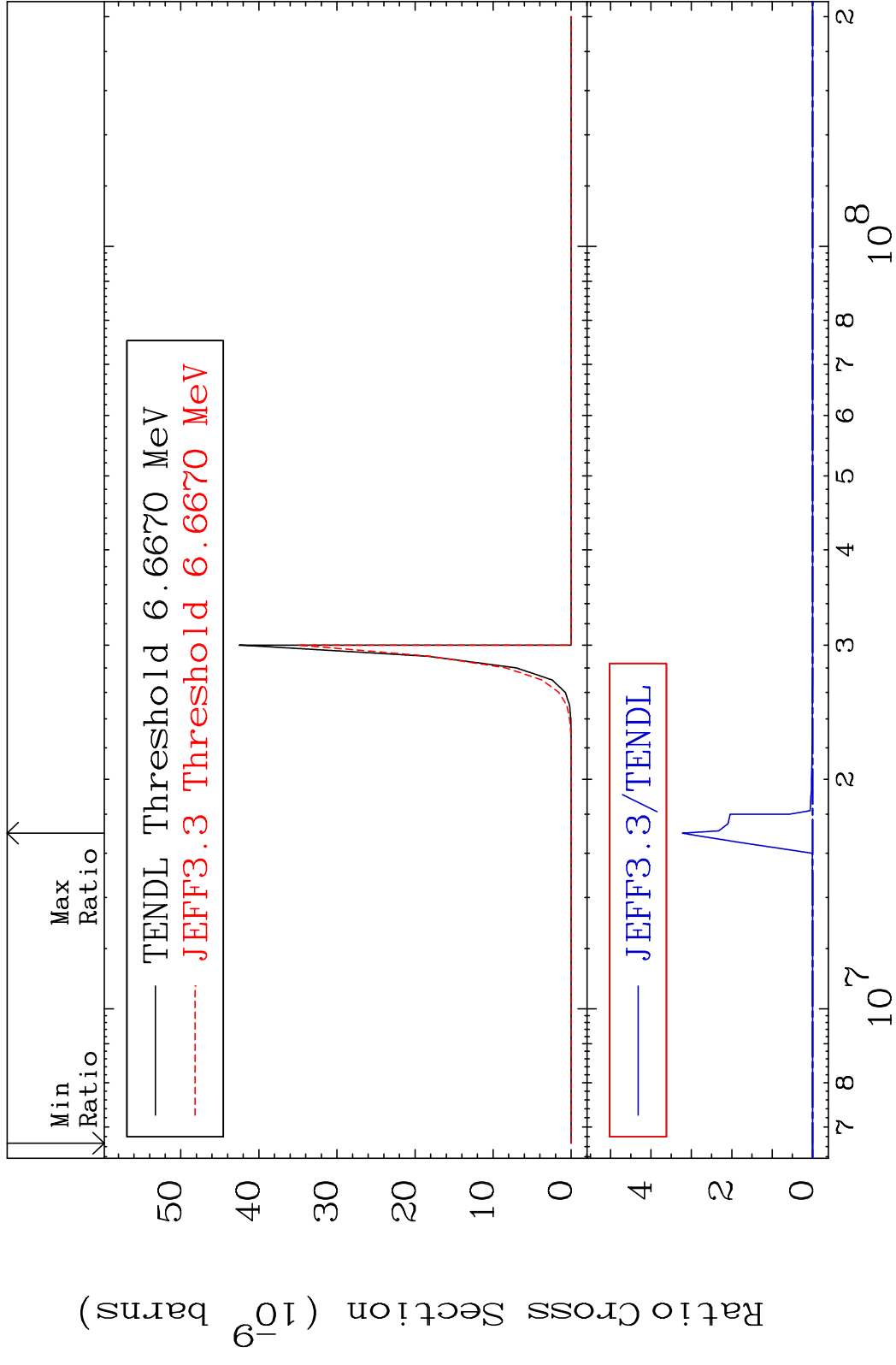
To 1644. %



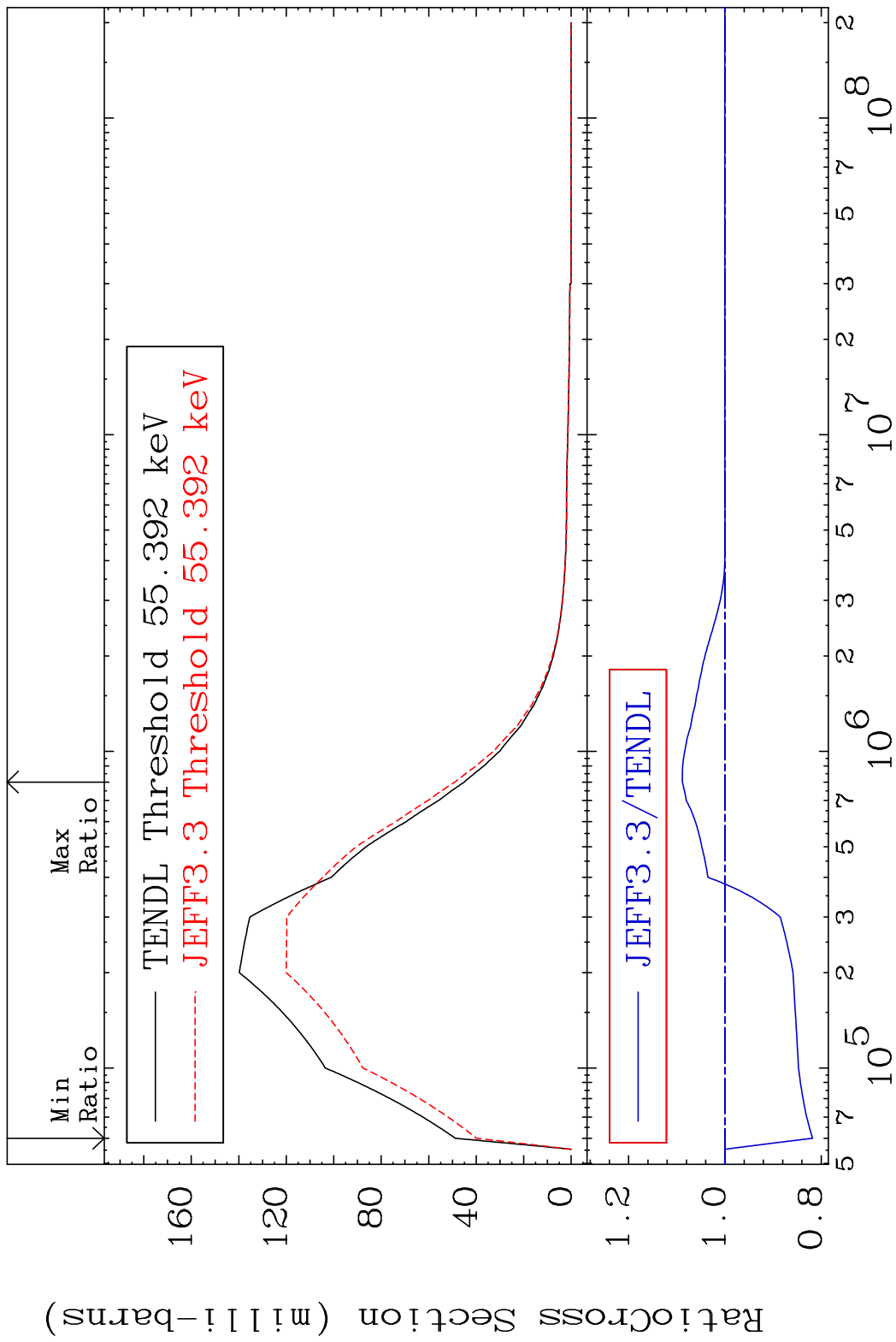
MAT 6522

(n, n') p α 65-Tb-158

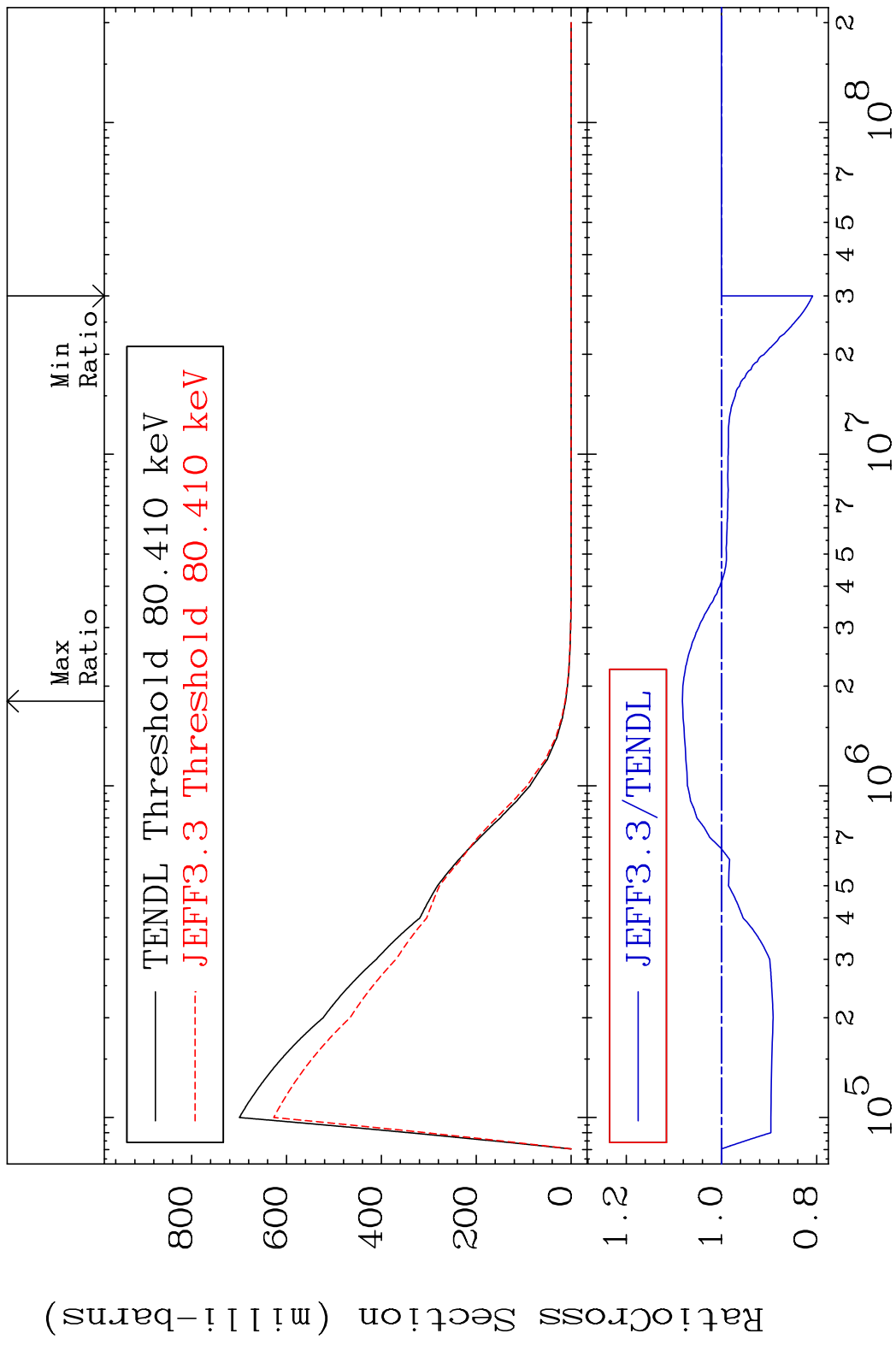
Cross Section -100.0 To 9999. %



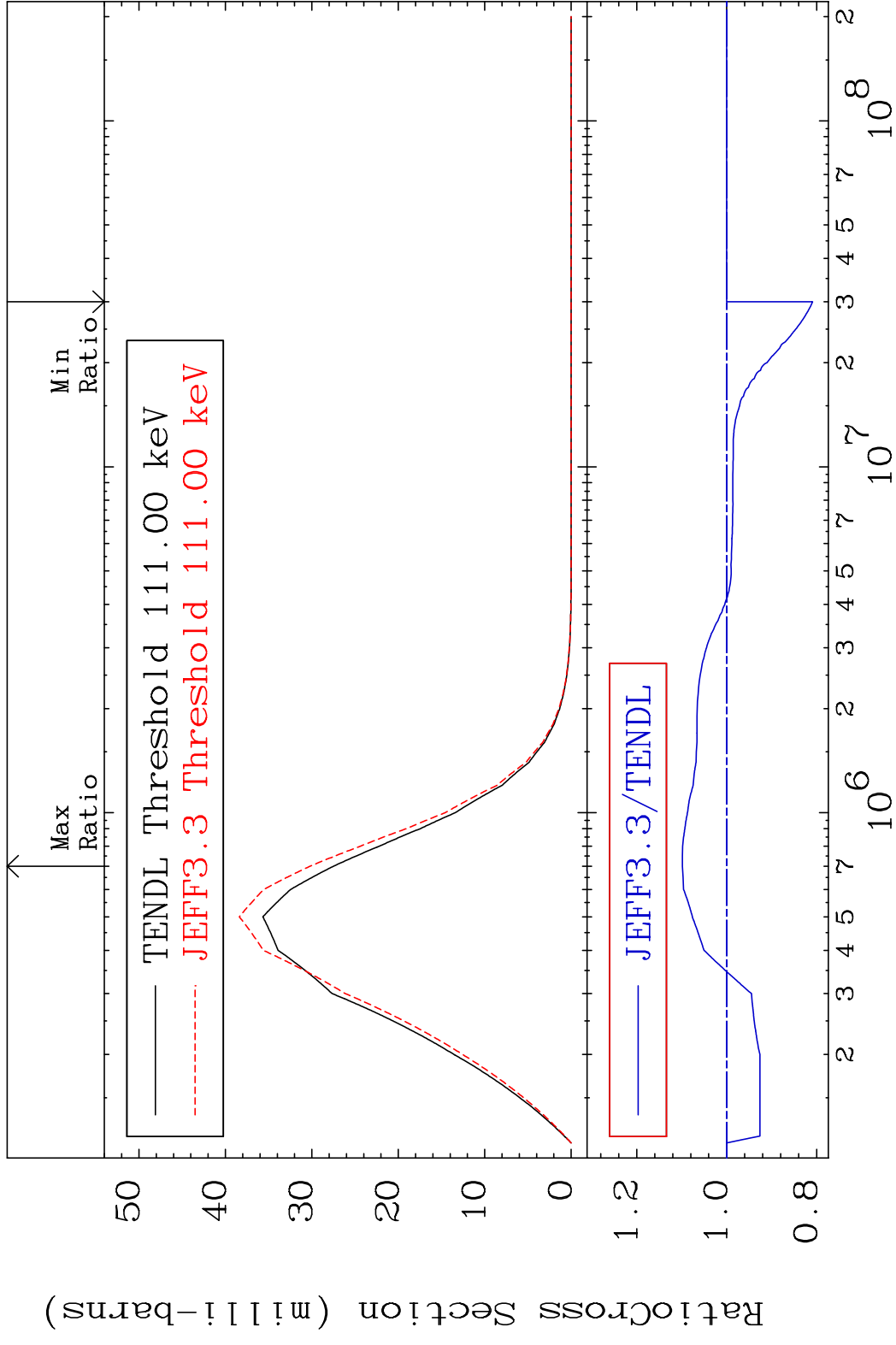
MAT 6522 MT= 51 (n, n') Level 65-Tb-158
 Cross Section -18.21 To 8.842 %



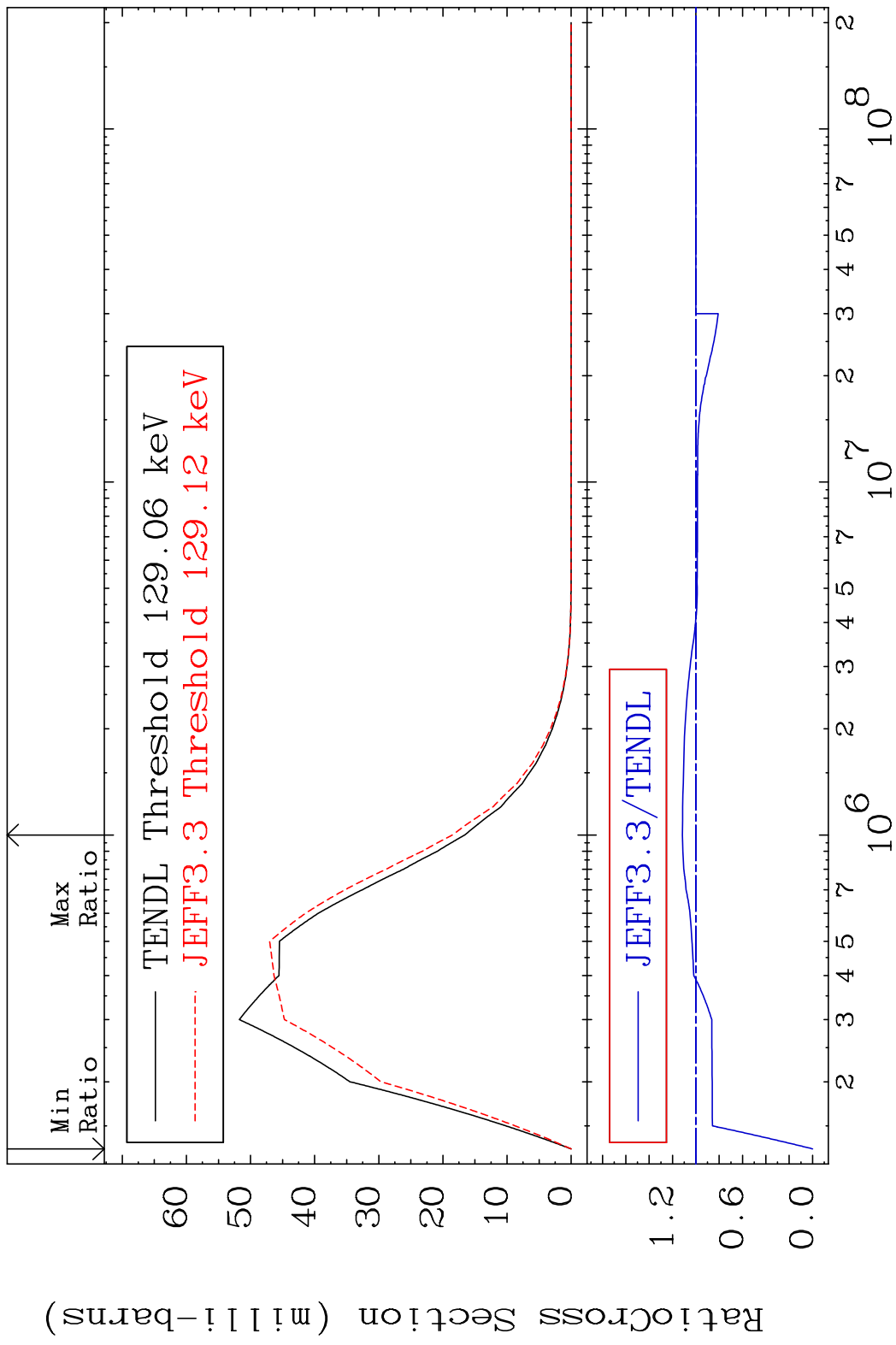
MAT 6522 MT= 52 (n, n') Level 65-Tb-158
 Cross Section -19.12 To 8.211 %



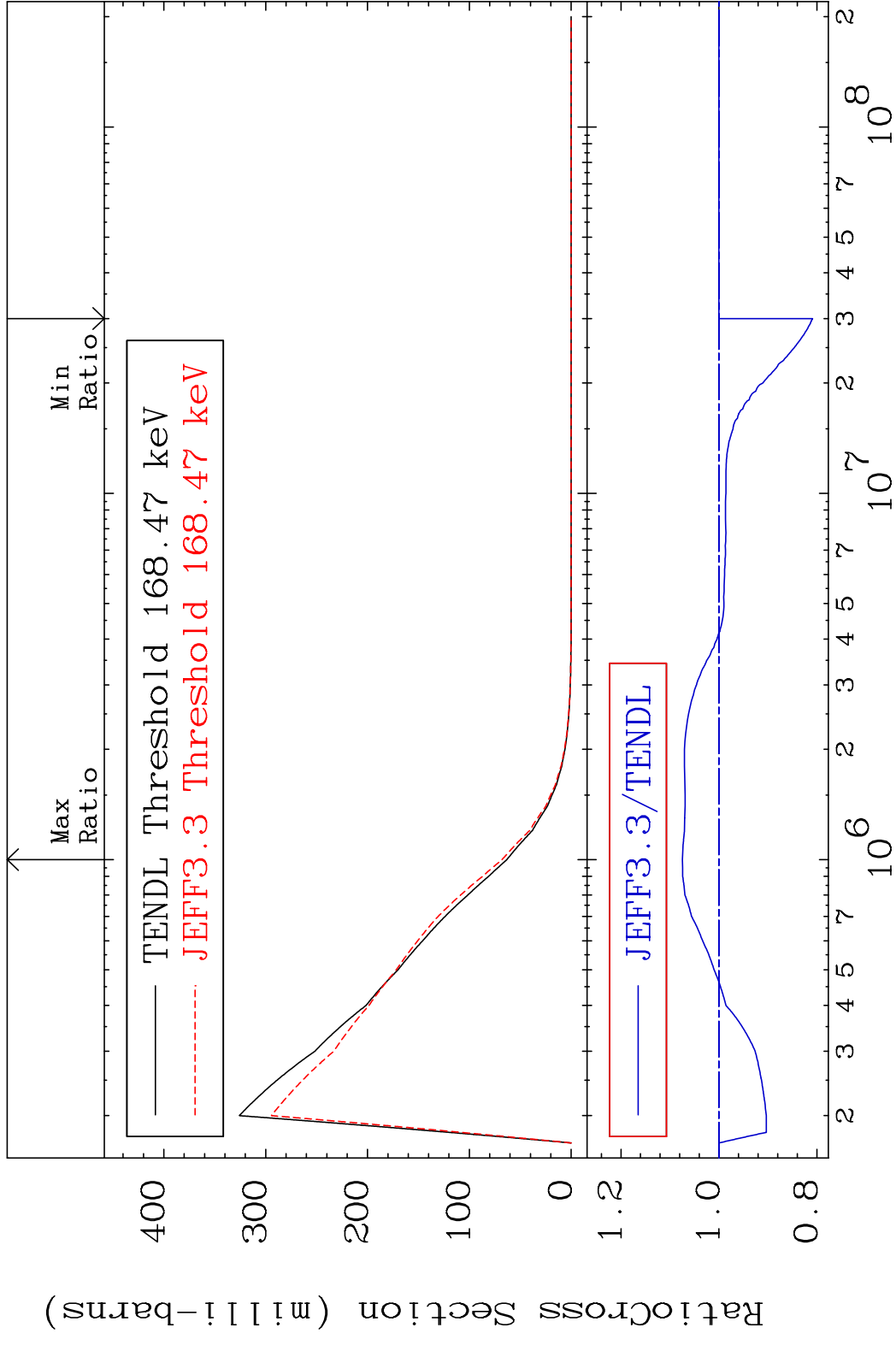
MAT 6522 MT= 53 (n, n') Level 65-Tb-158
 Cross Section -19.10 To 9.867 %



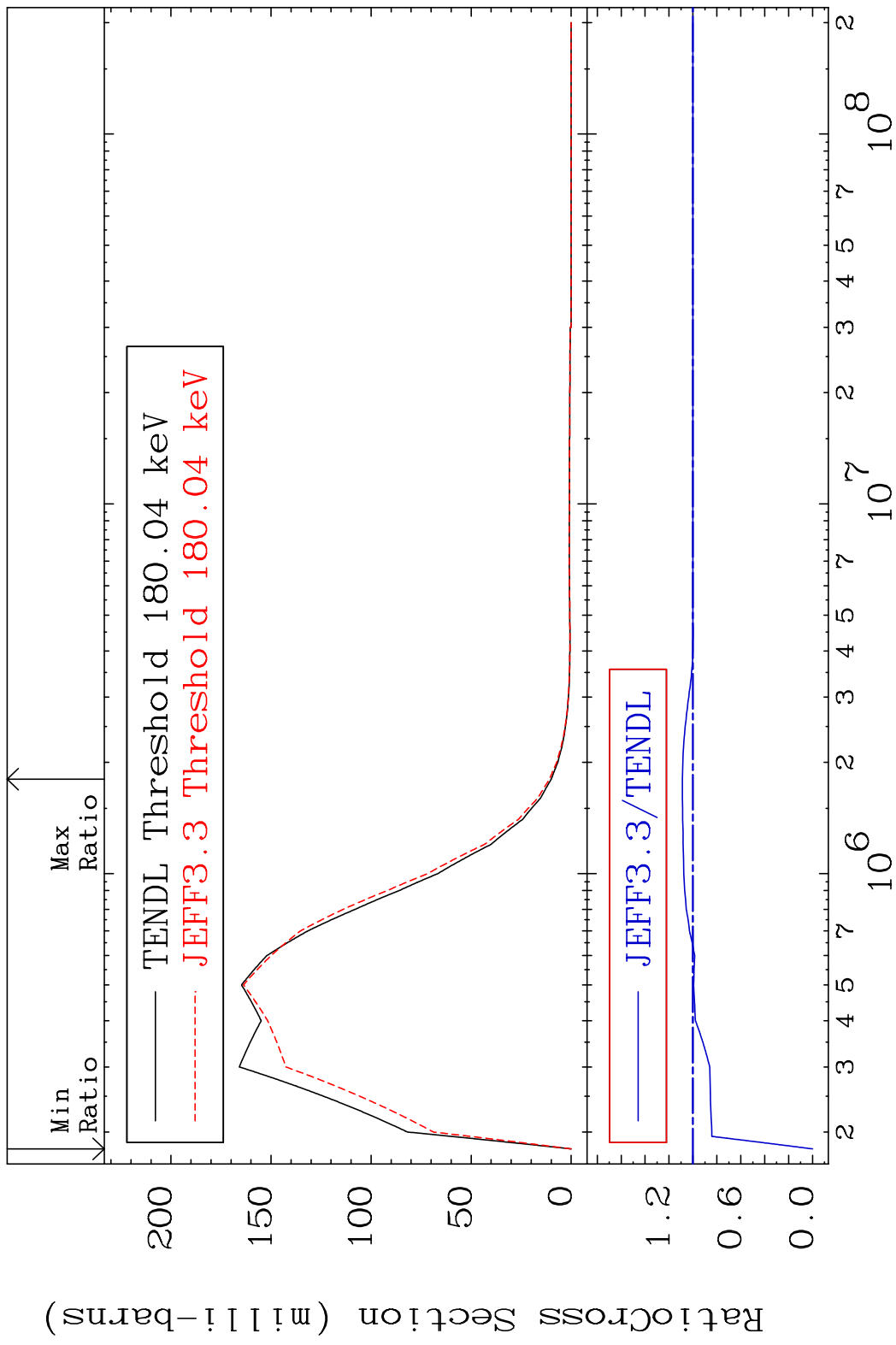
MAT 6522 MT= 55 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 11.59 %



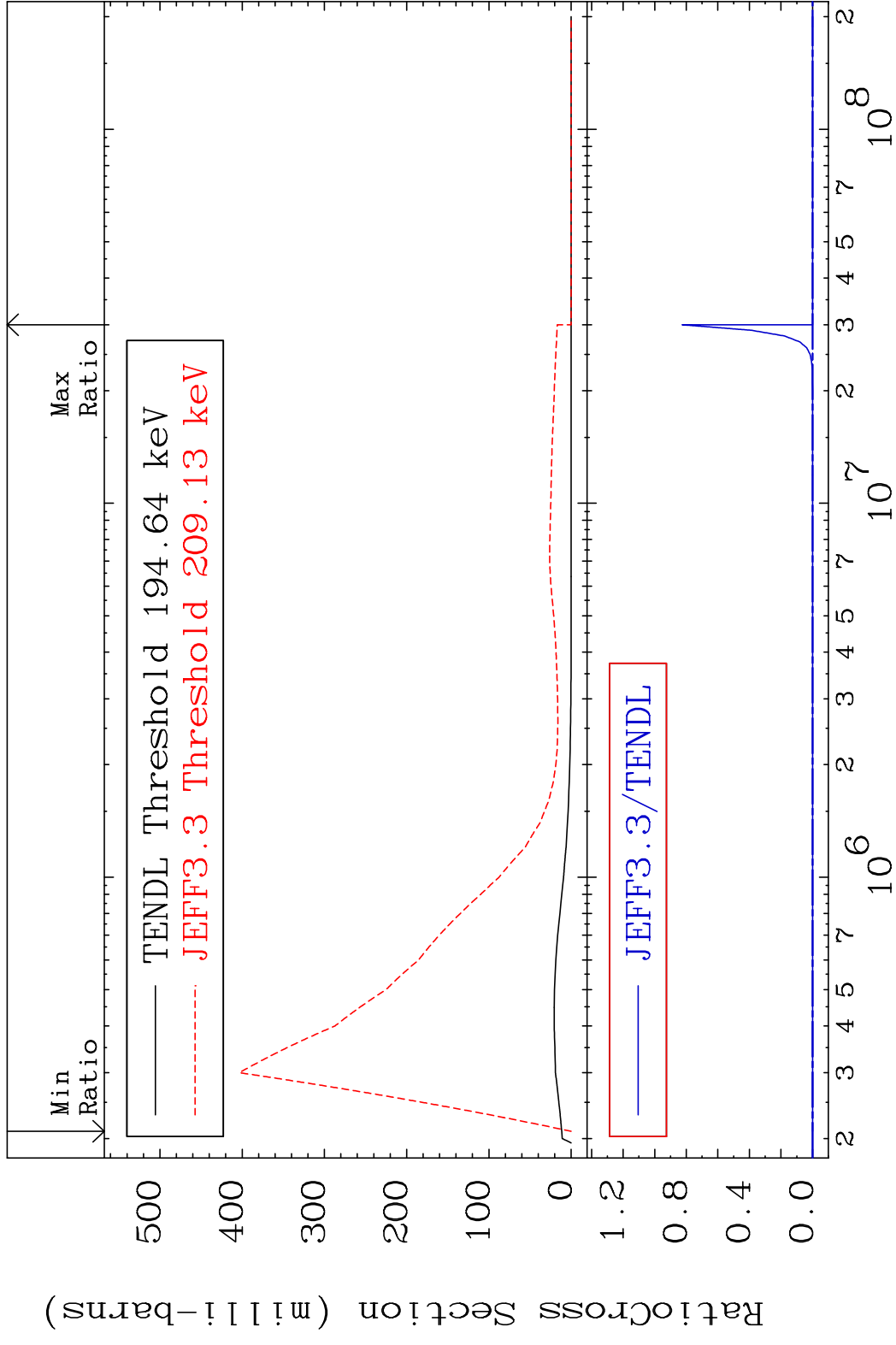
MAT 6522 MT= 56 (n,n') Level 65-Tb-158
 Cross Section -19.11 To 7.466 %



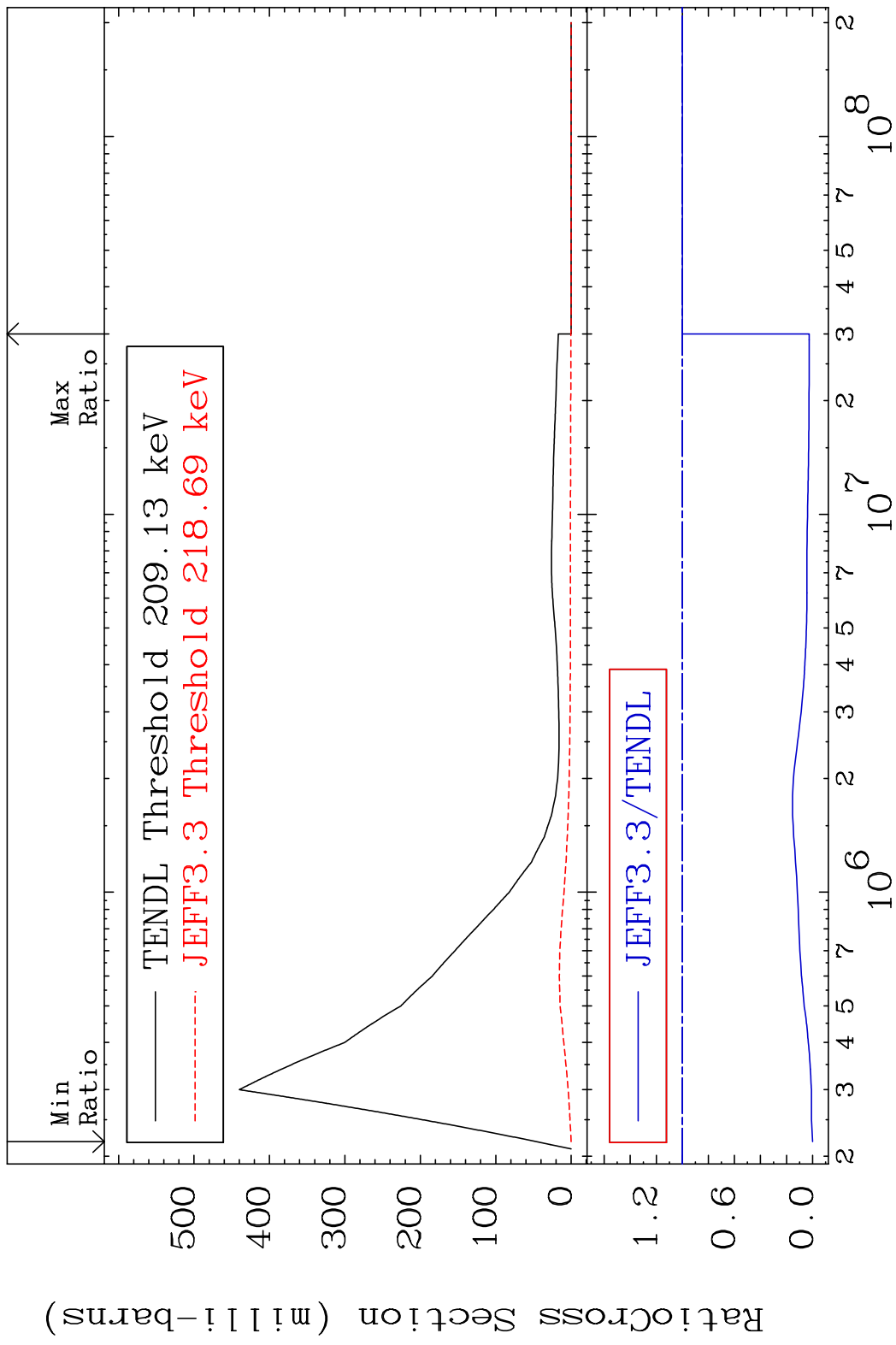
MAT 6522 MT= 57 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 8.843 %



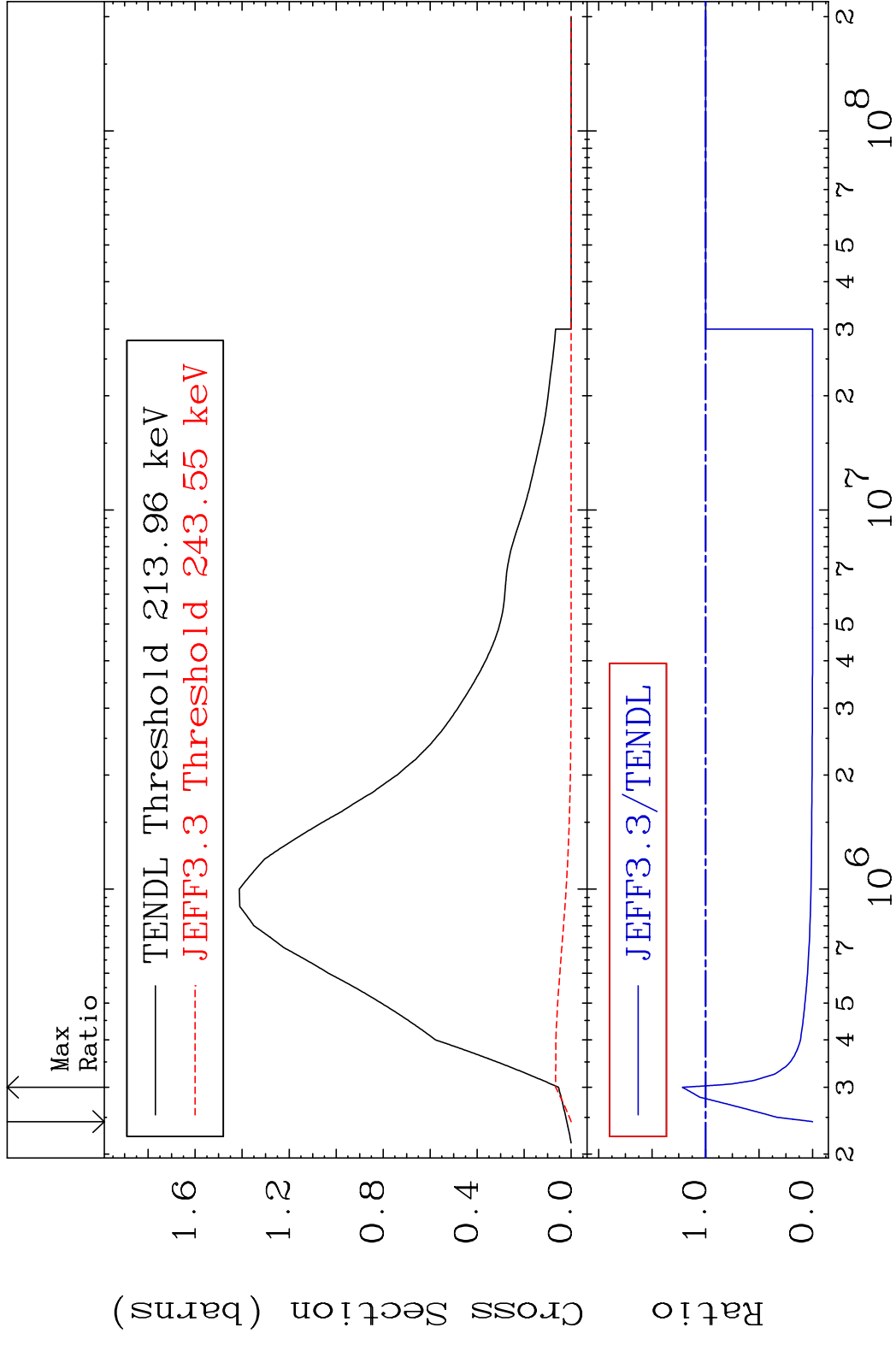
MAT 6522 MT= 58 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 9999. %



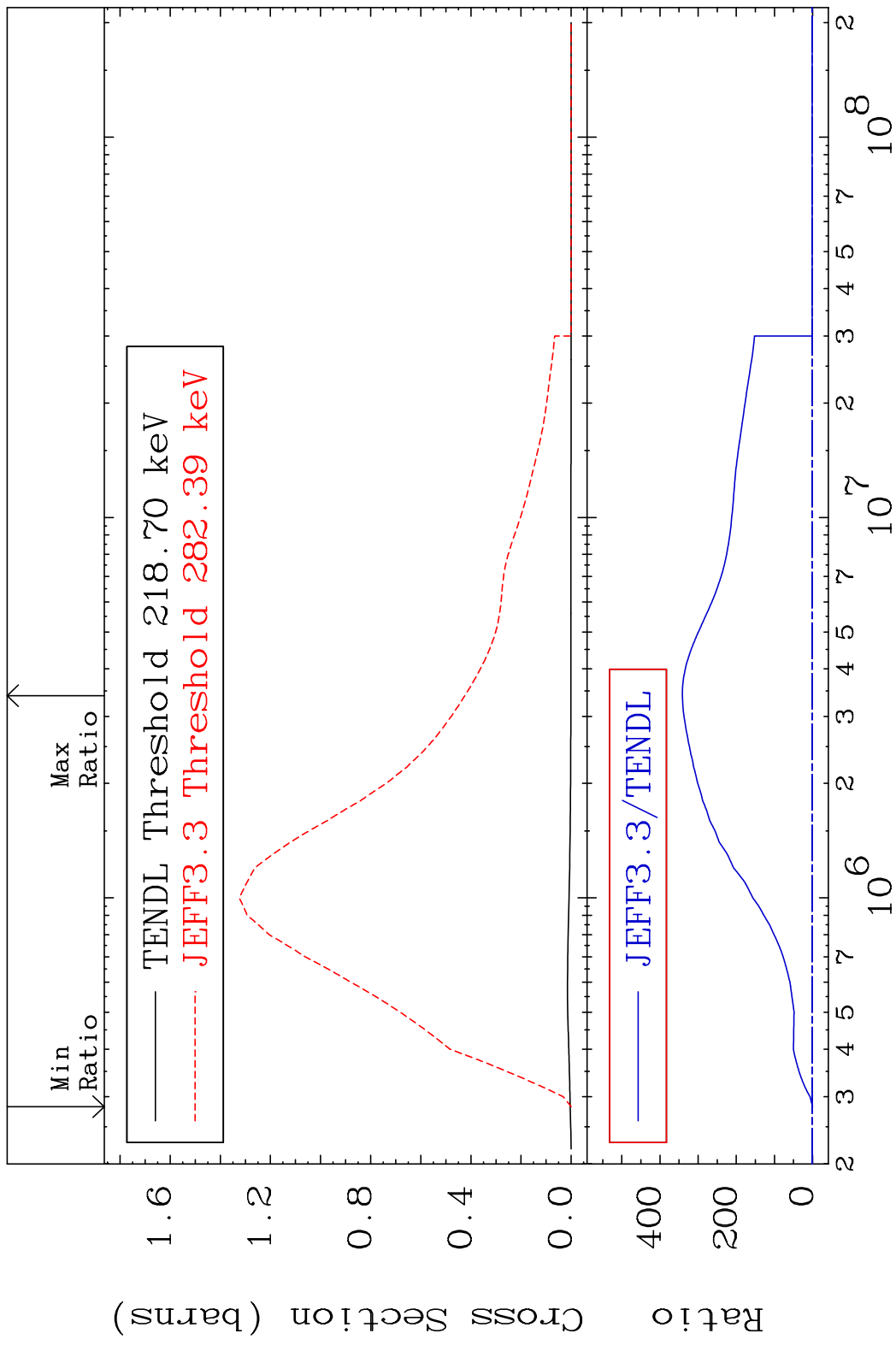
MAT 6522 MT= 59 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 0.000 %



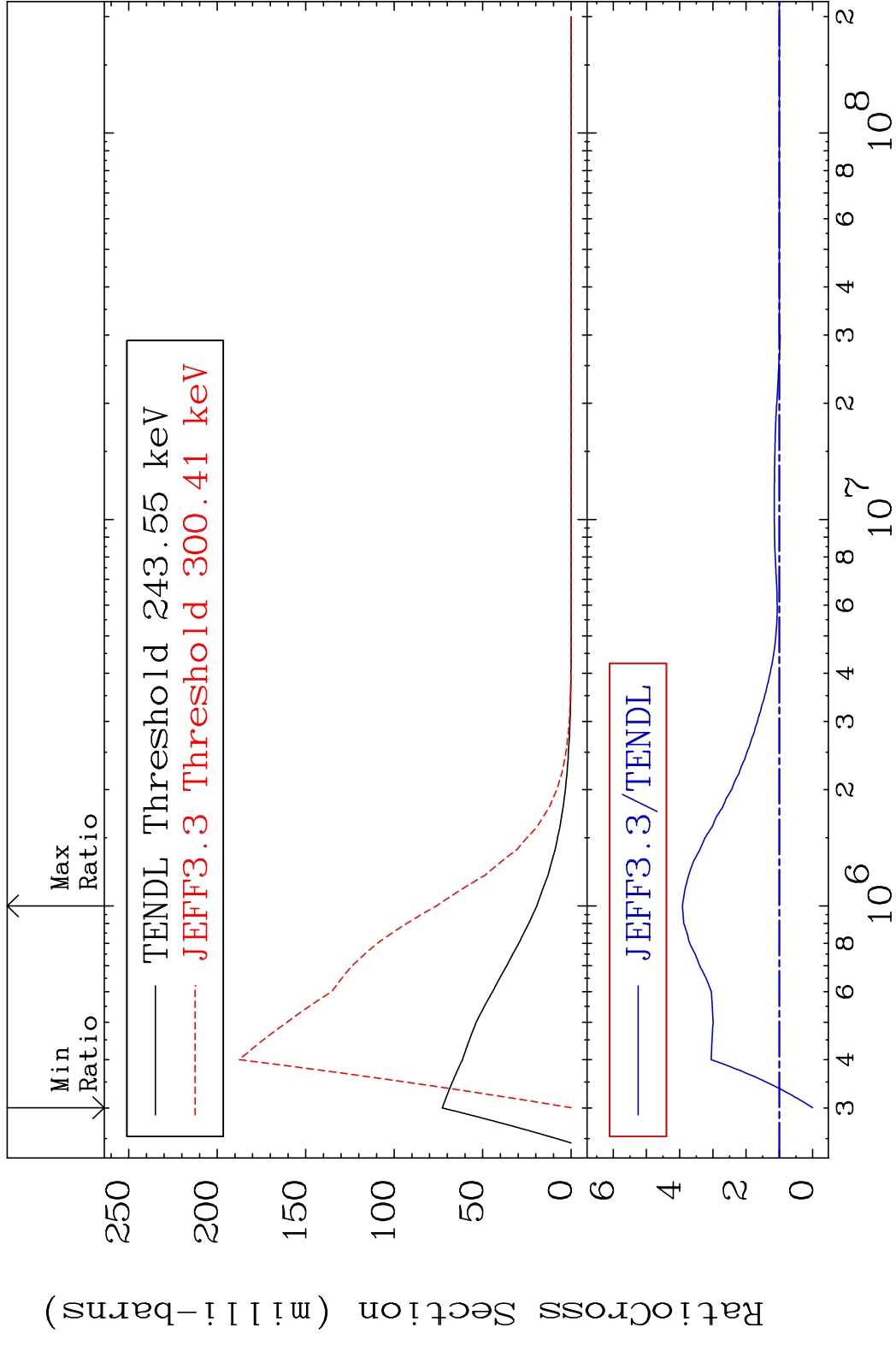
MAT 6522 MT= 60 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 21.71 %



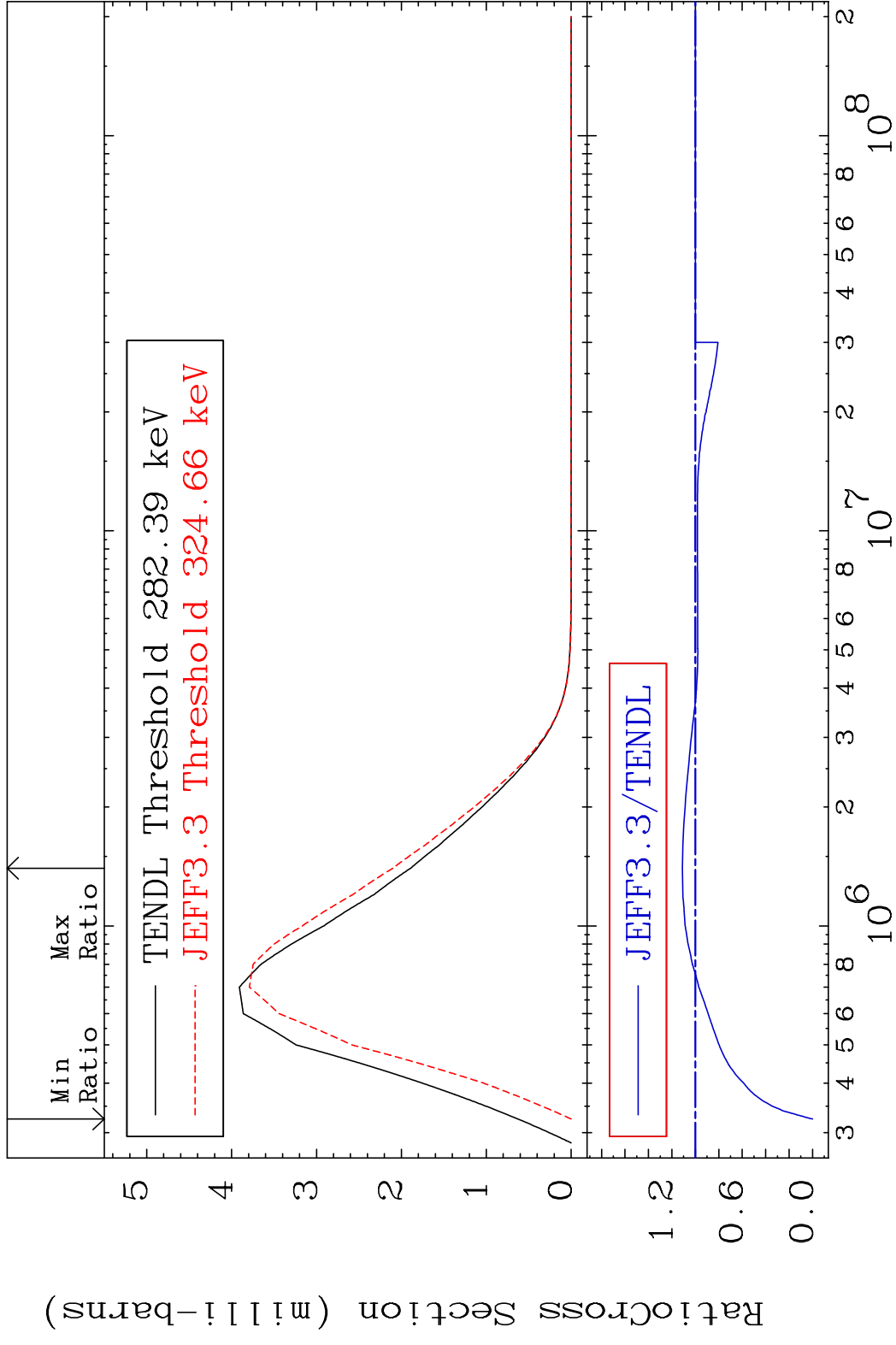
MAT 6522 MT= 61 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 9999. %



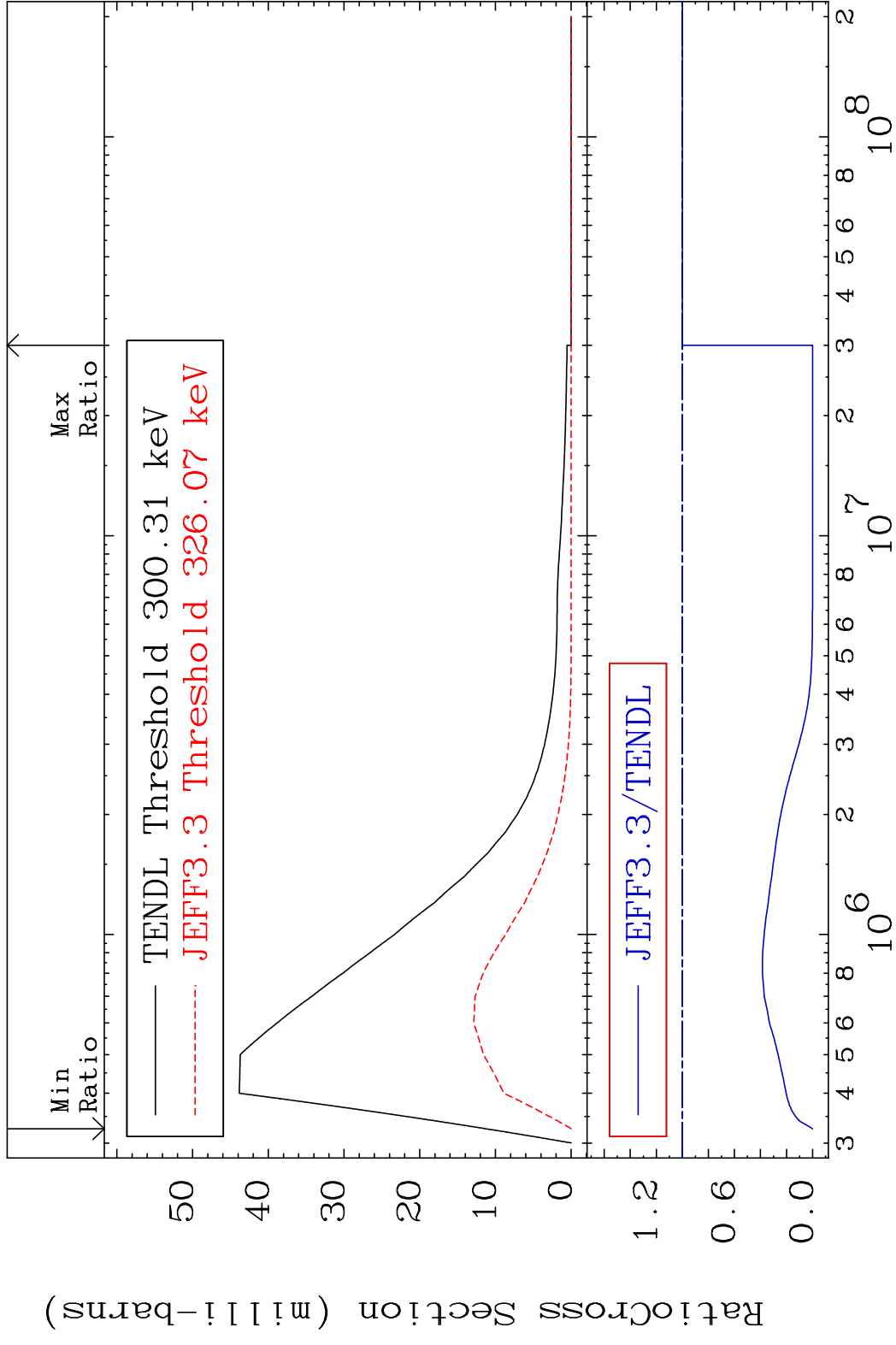
MAT 6522 MT= 62 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 291.9 %



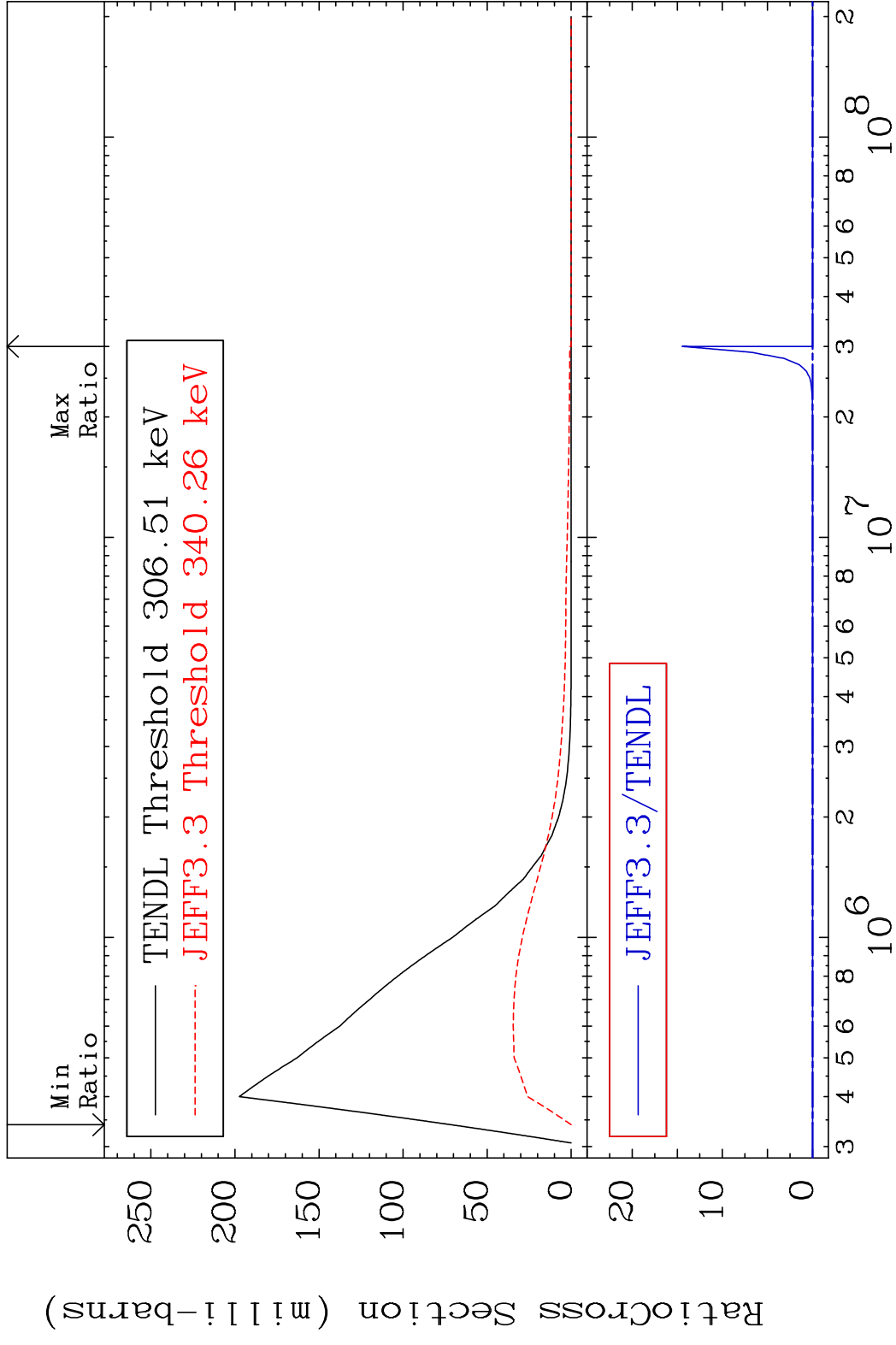
MAT 6522 MT= 63 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 11.08 %



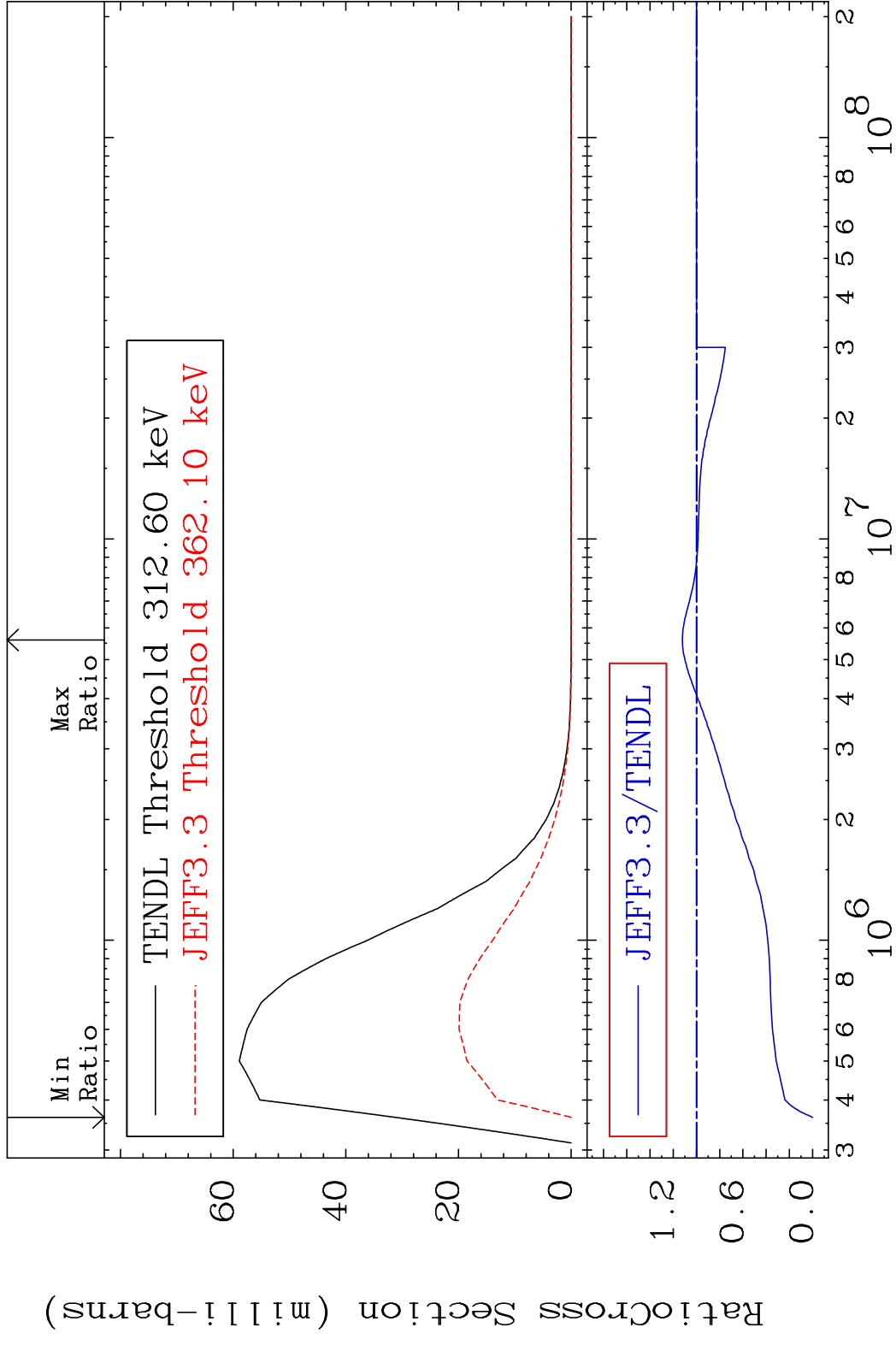
MAT 6522 MT= 64 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 0.000 %



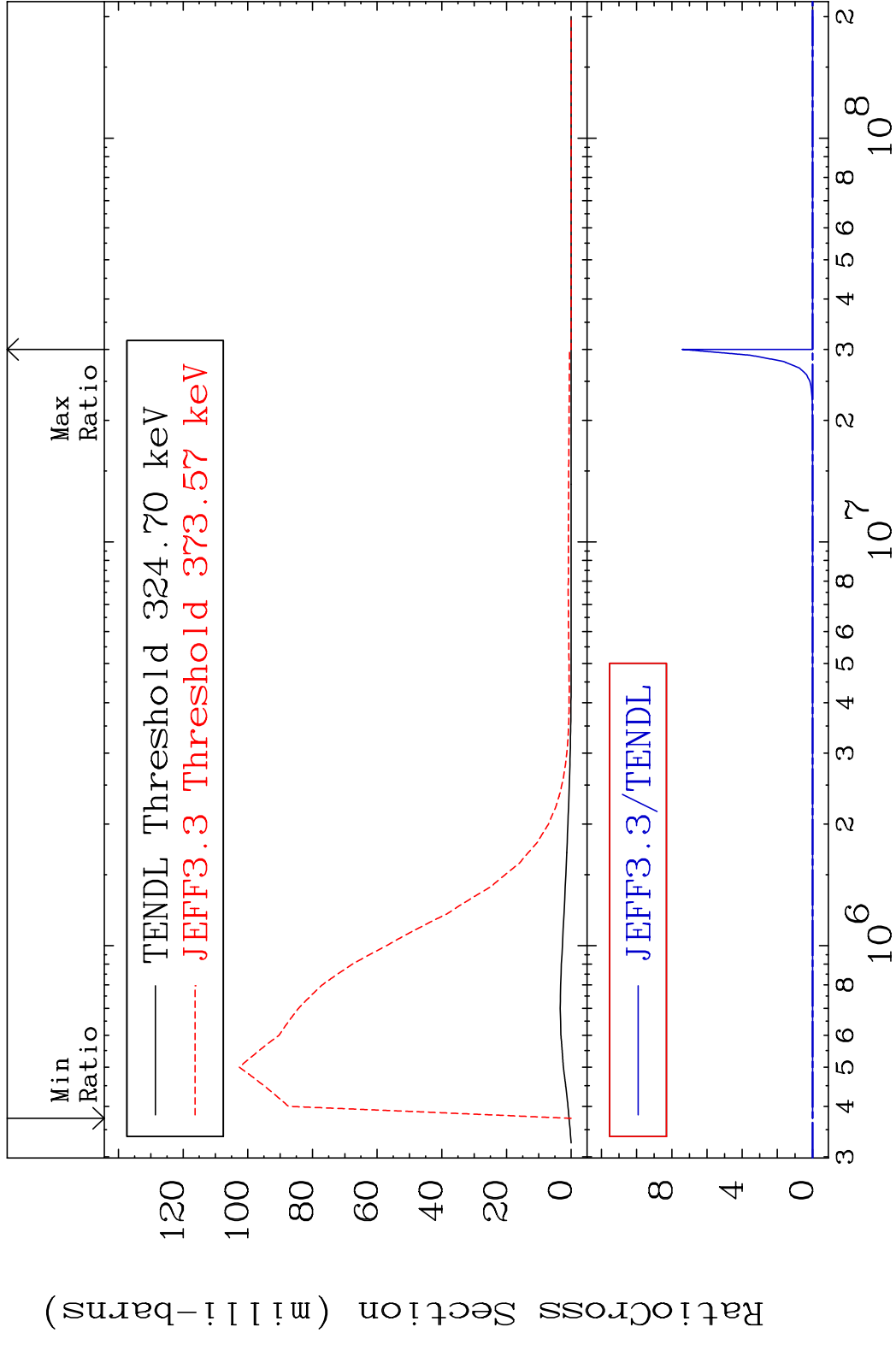
MAT 6522 MT= 65 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 9999. %



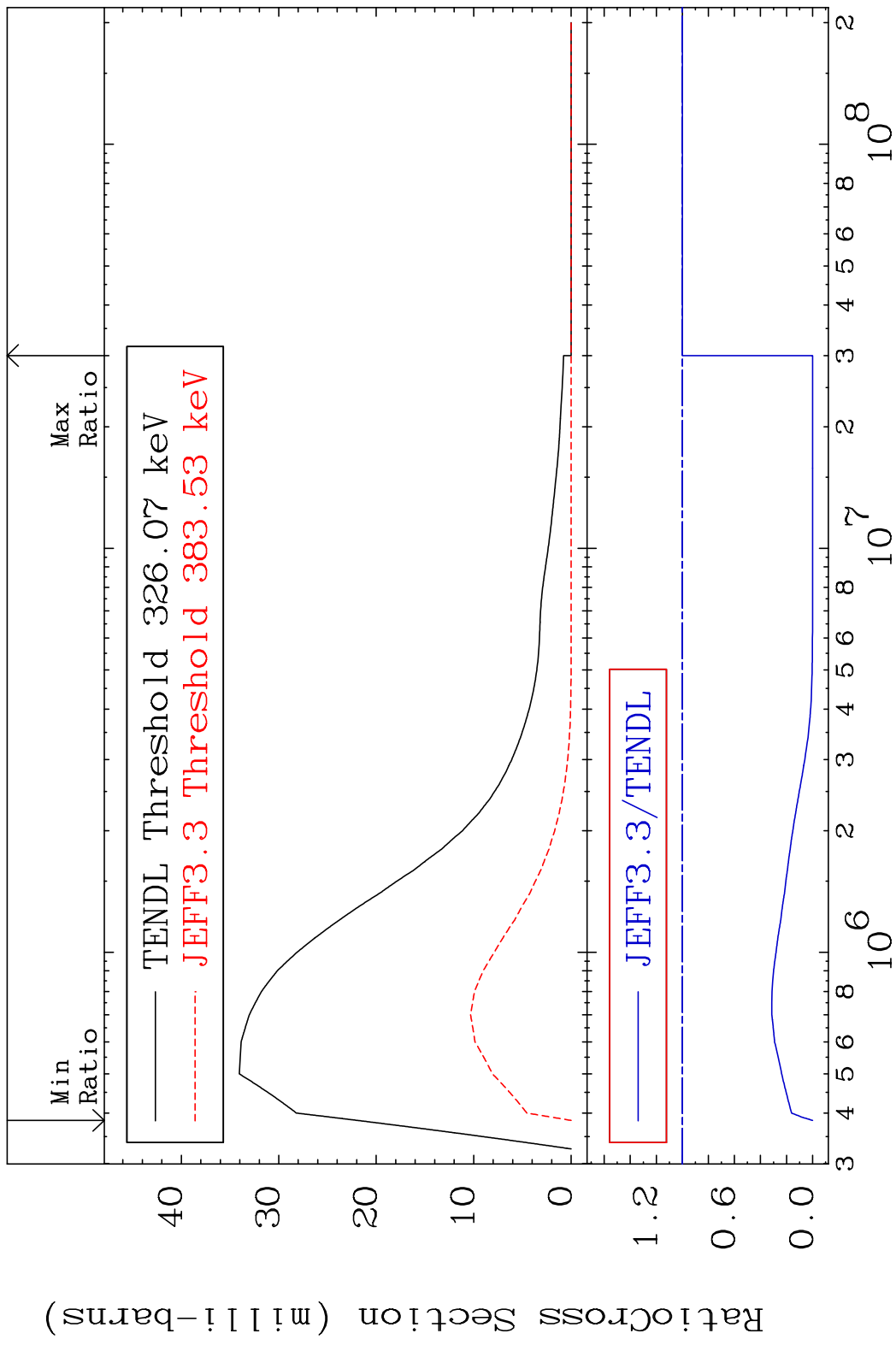
MAT 6522 MT= 66 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 12.16 %



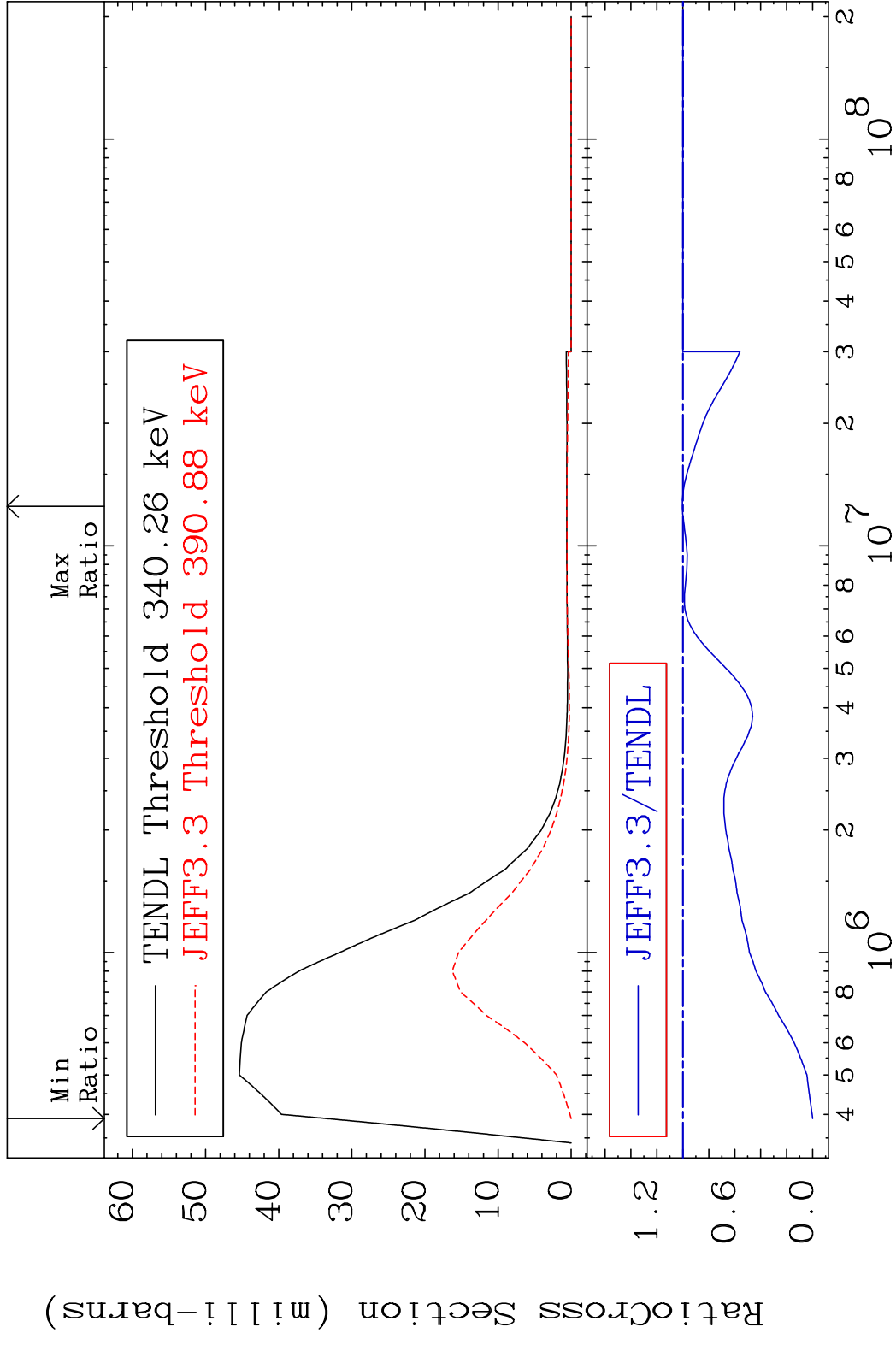
MAT 6522 MT= 67 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 9999. %



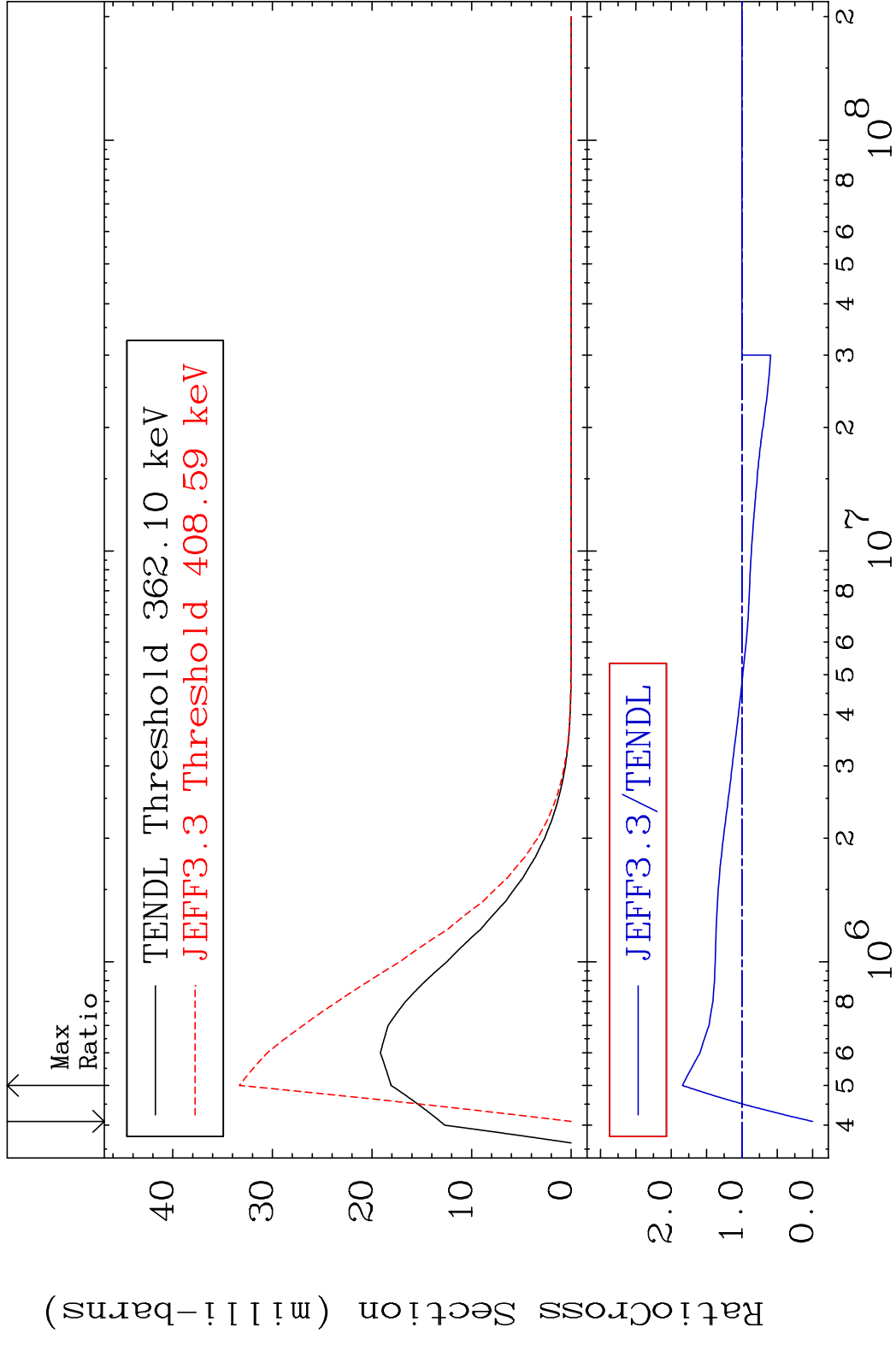
MAT 6522 MT= 68 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 0.000 %



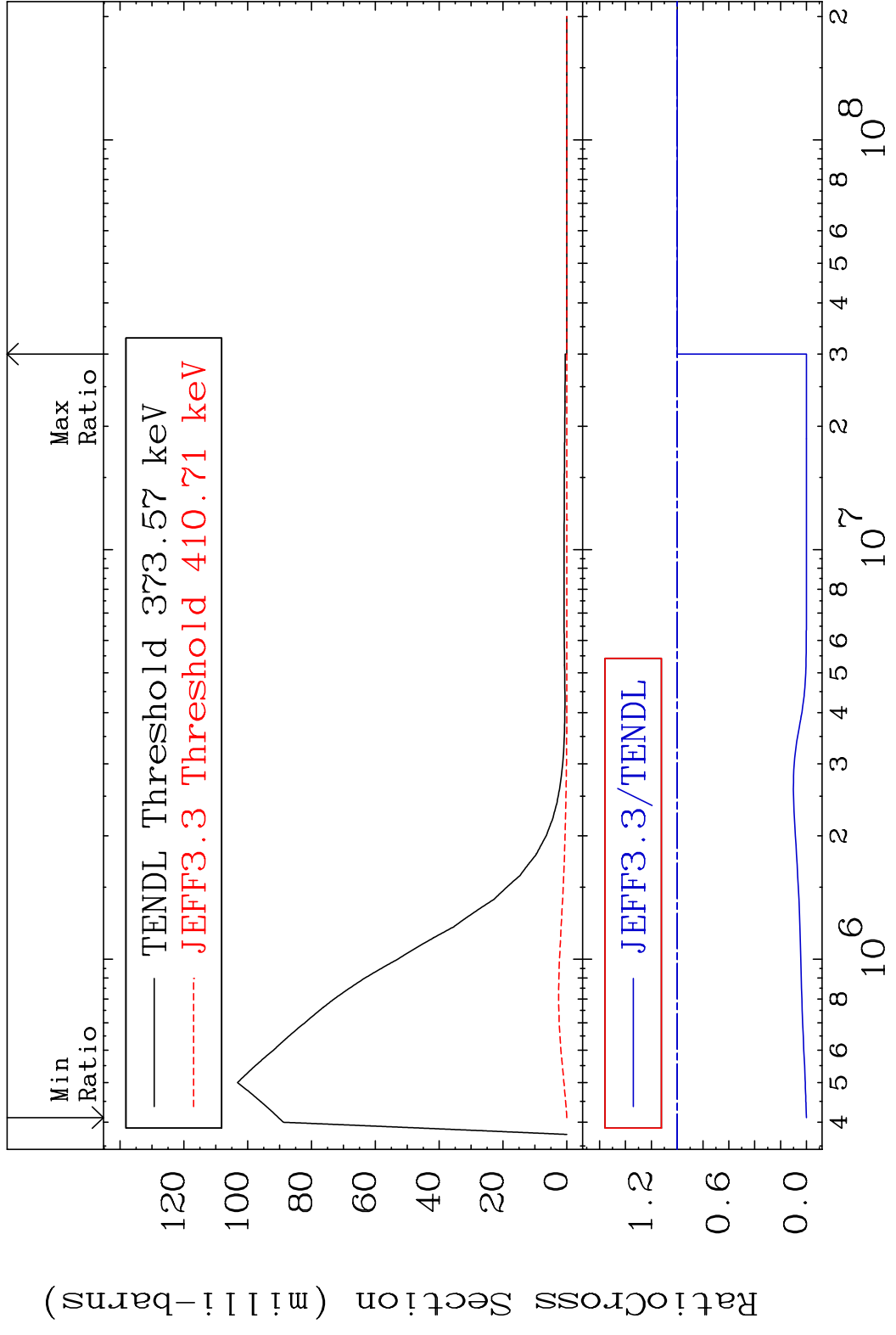
MAT 6522 MT= 69 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 0.377 %



MAT 6522 MT= 70 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 84.21 %

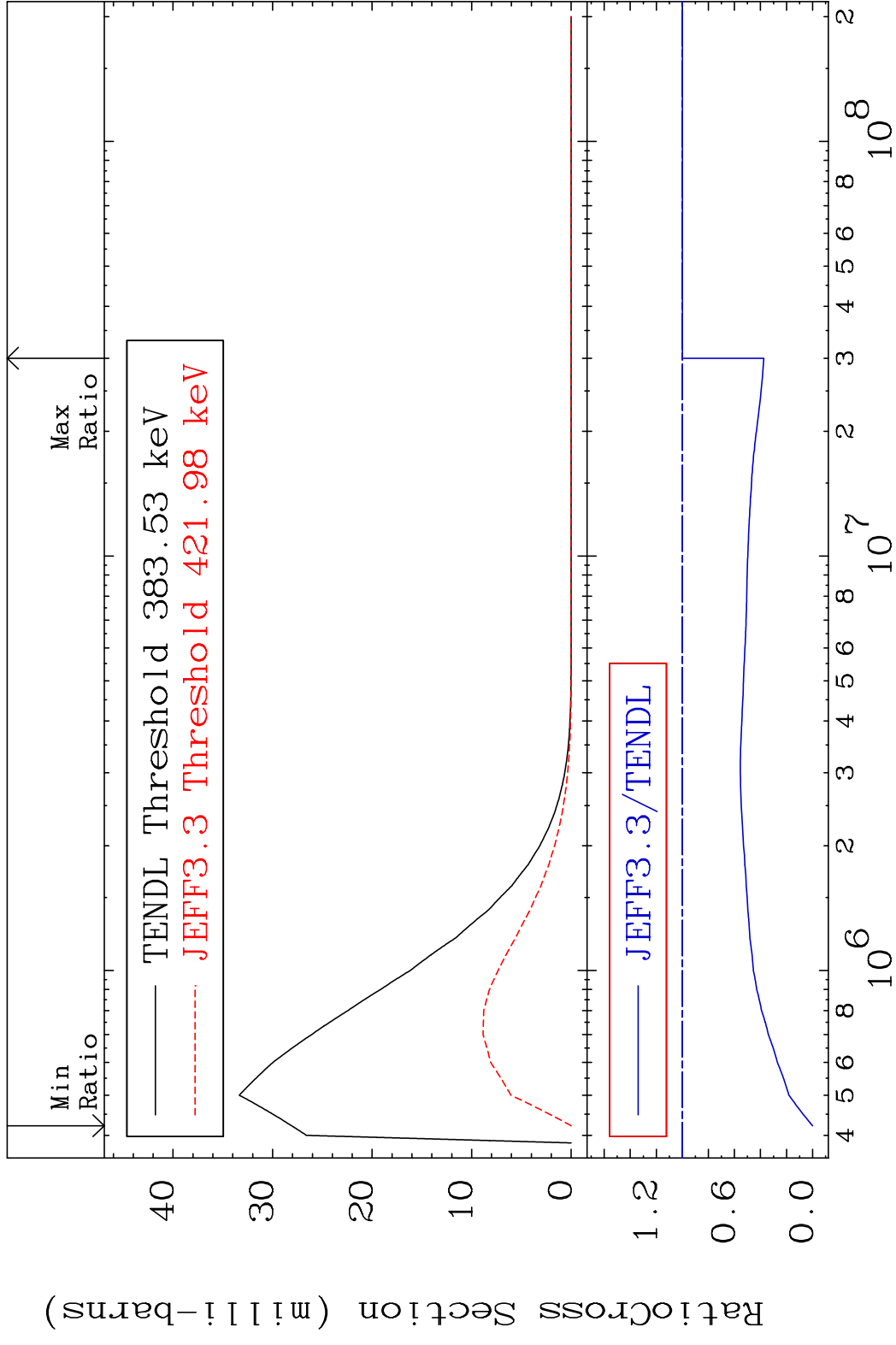


MAT 6522 MT= 71 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 0.000 %

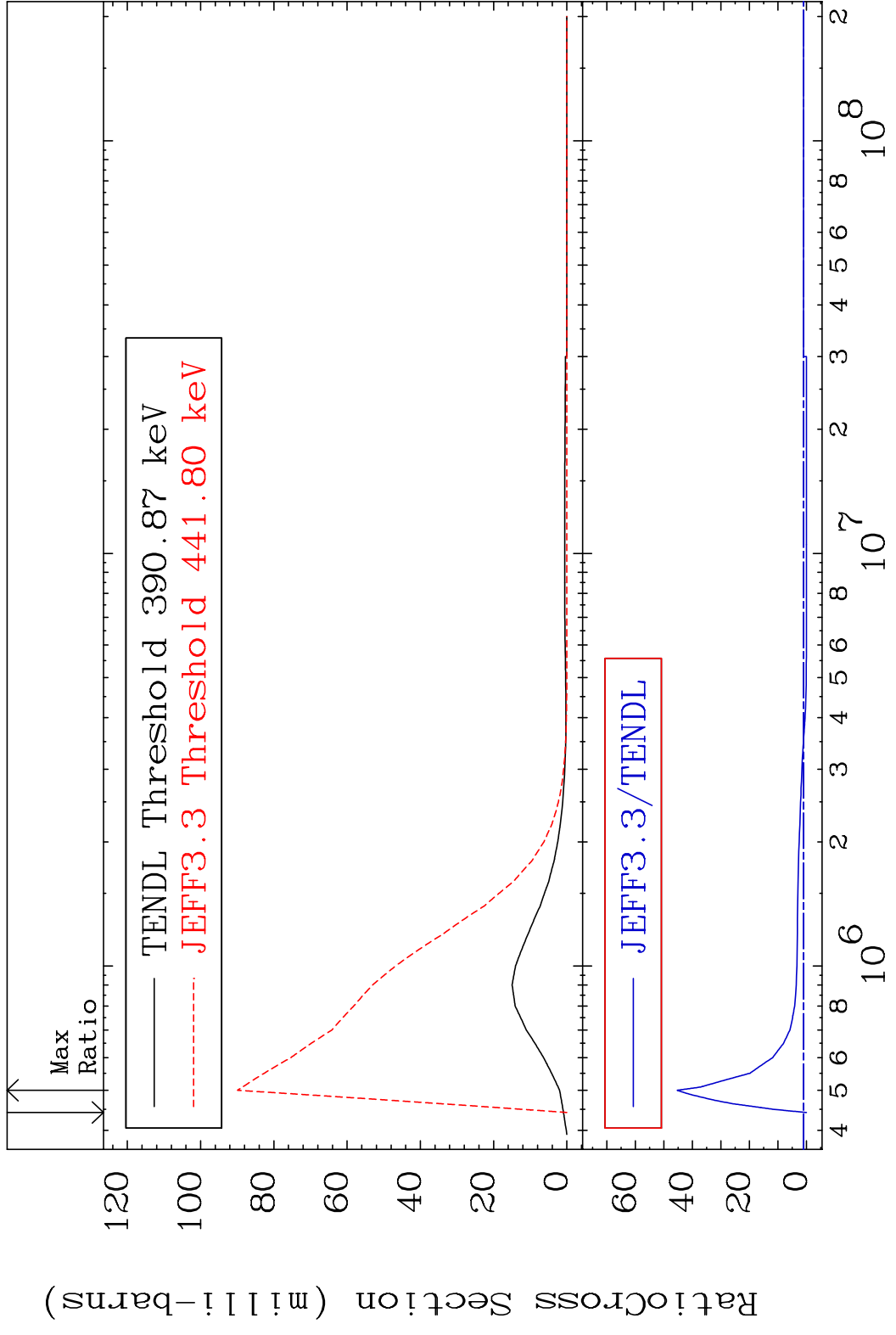


40 Incident Energy (eV) 65-Tb-158

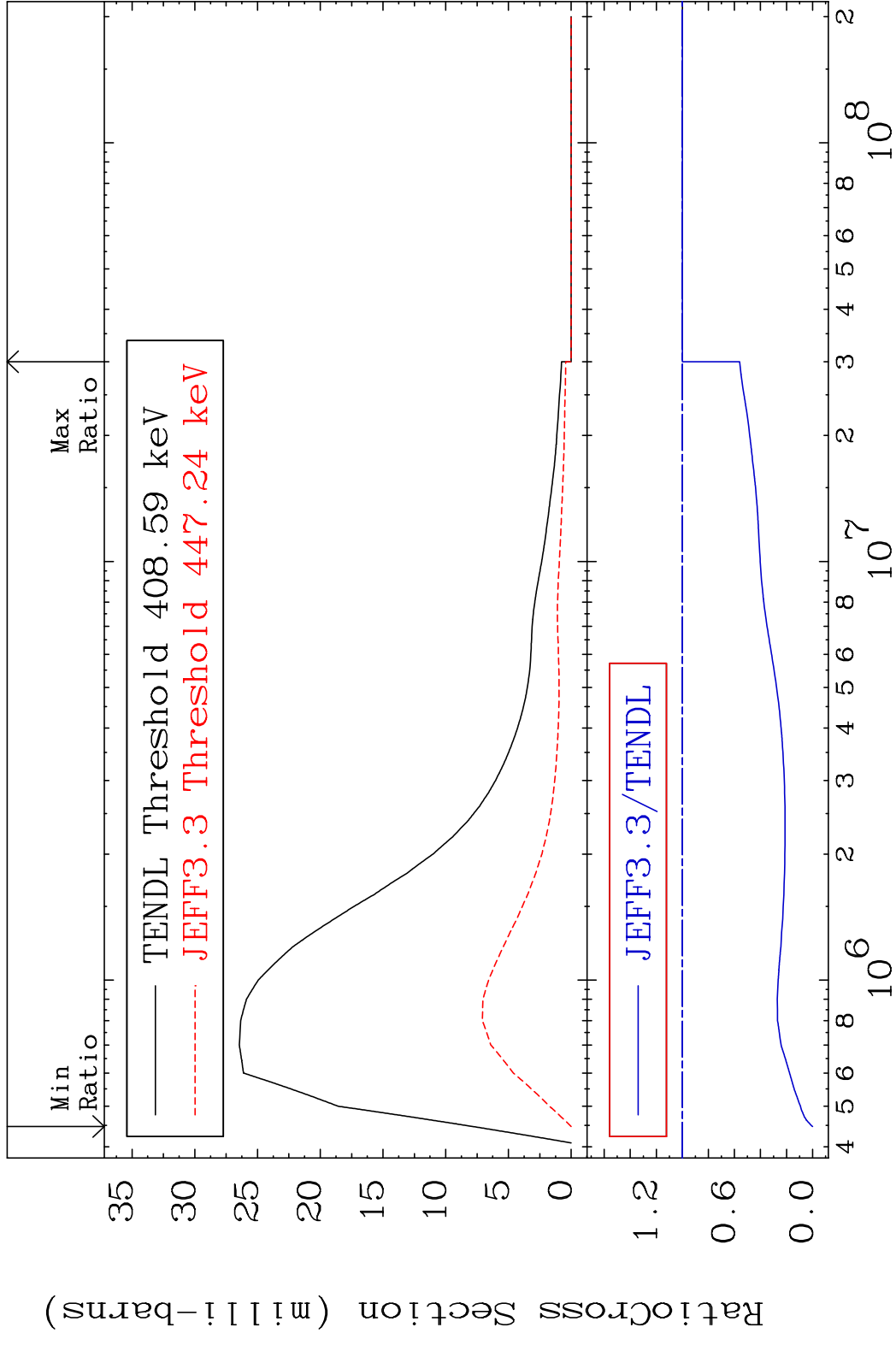
MAT 6522 MT= 72 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 0.000 %



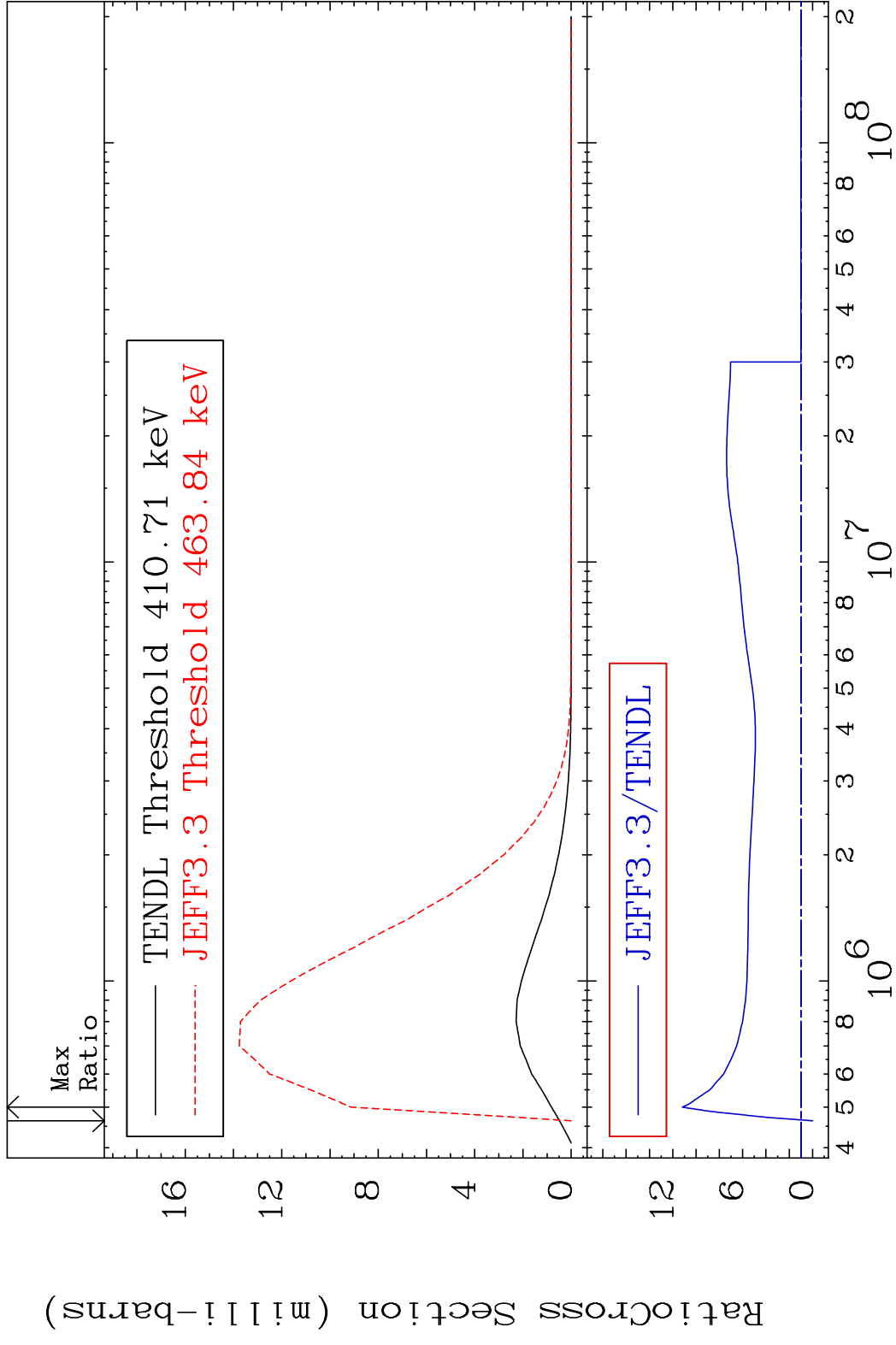
MAT 6522 MT= 73 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 4431. %



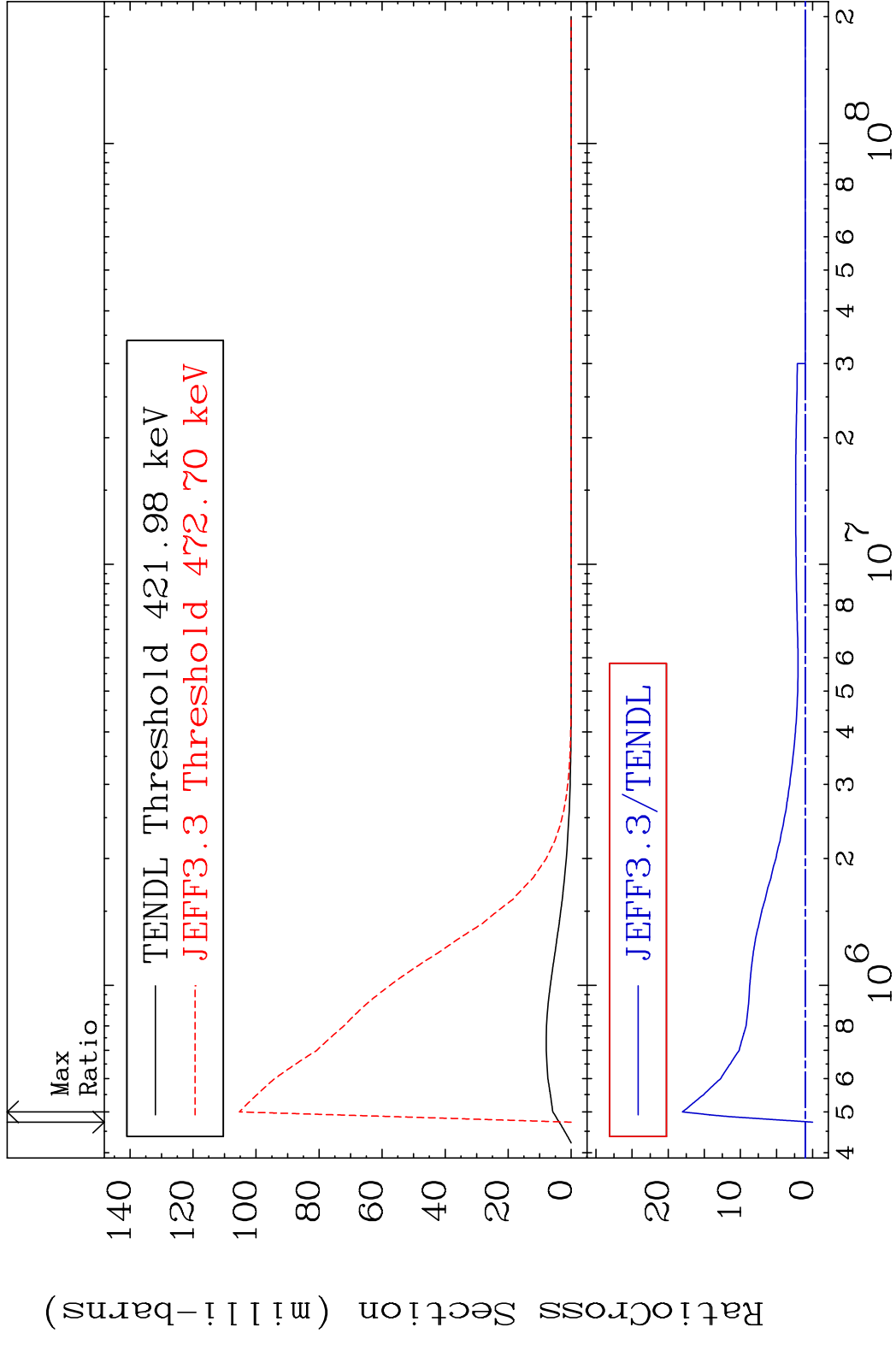
MAT 6522 MT= 74 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 0.000 %



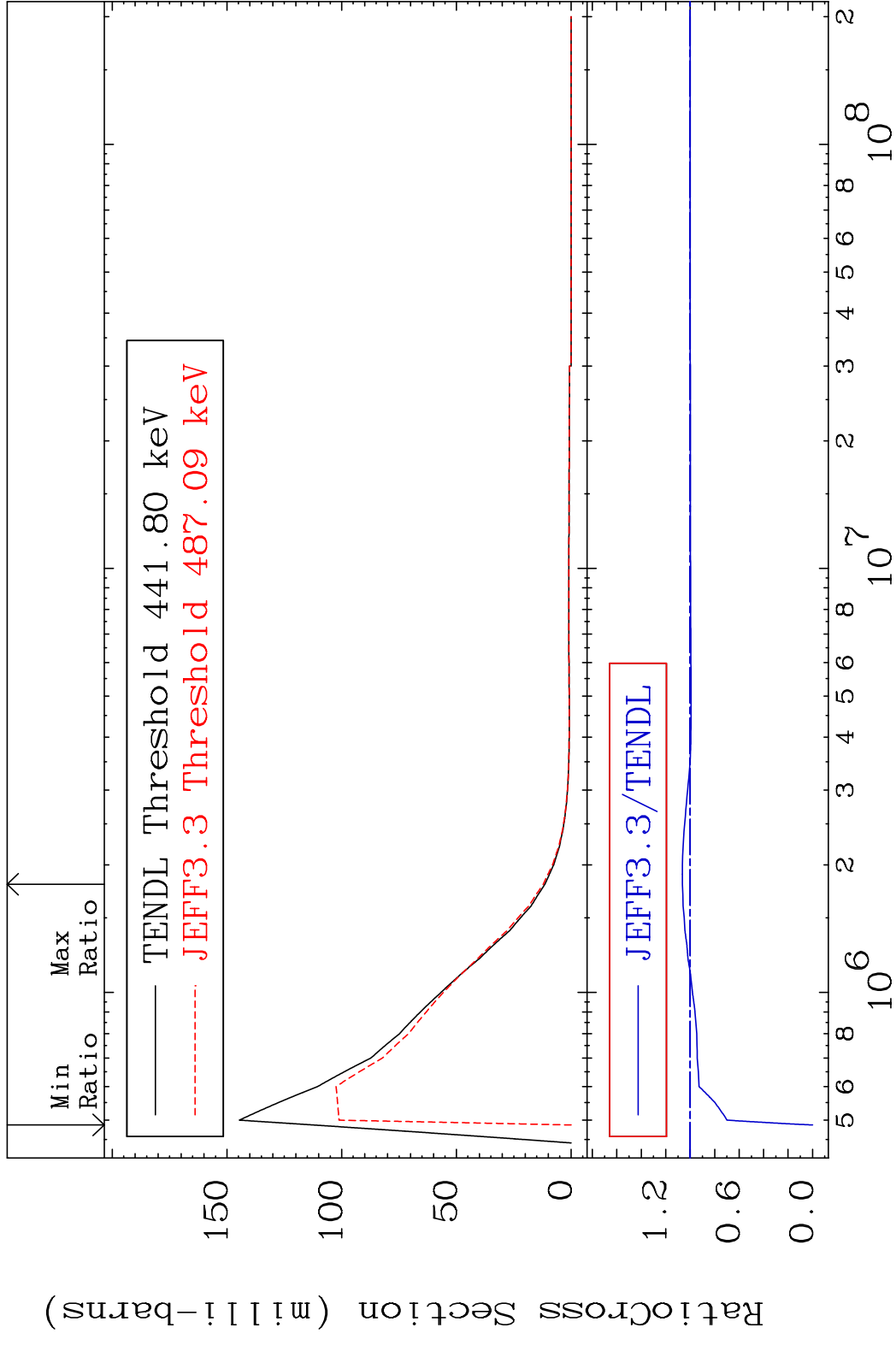
MAT 6522 MT= 75 (n,n') Level 65-Tb-158
 Cross Section -100.0 To 1018. %



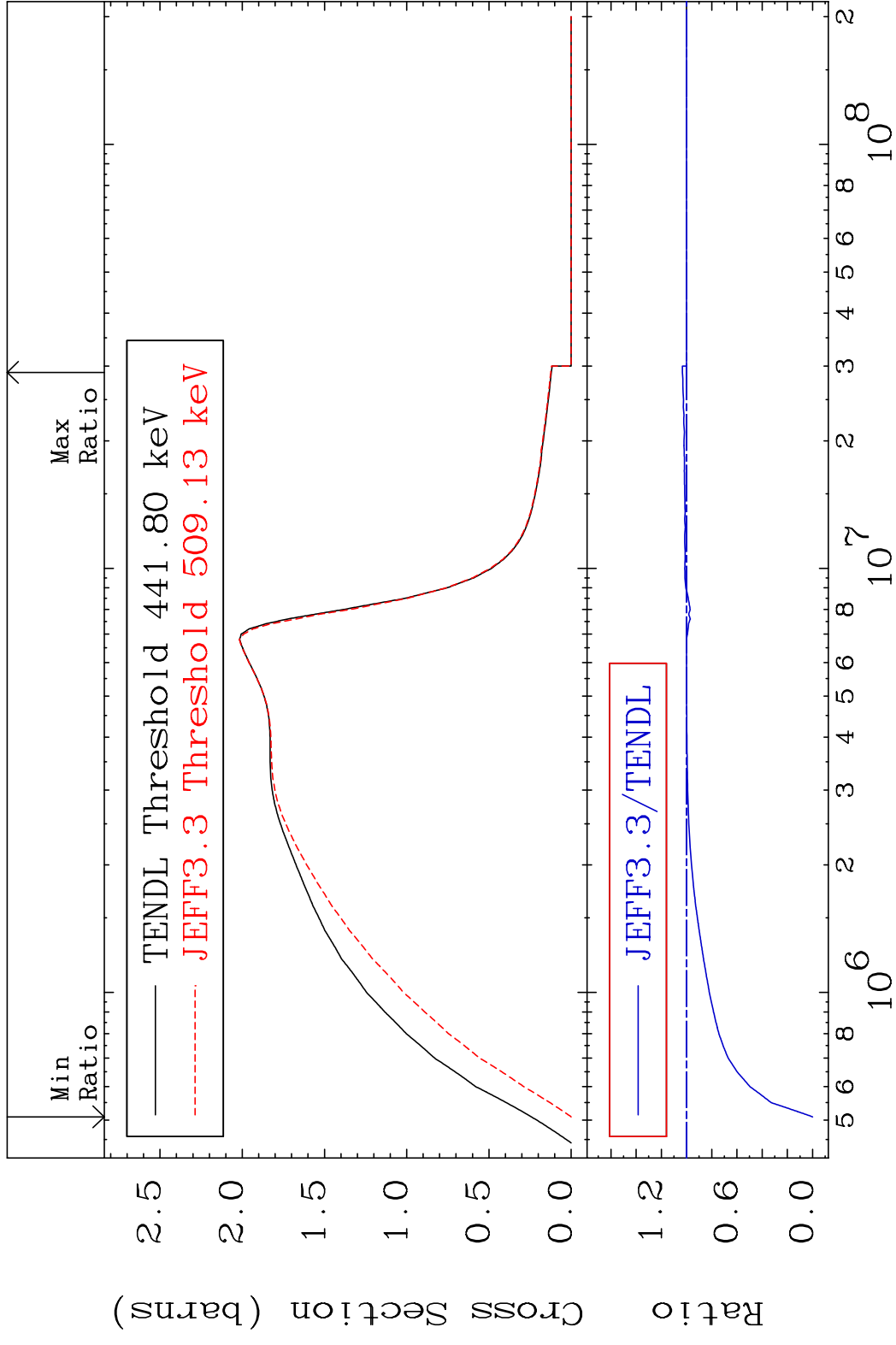
MAT 6522 MT= 76 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 1704. %



MAT 6522 MT= 77 (n, n') Level 65-Tb-158
 Cross Section -100.0 To 6.413 %



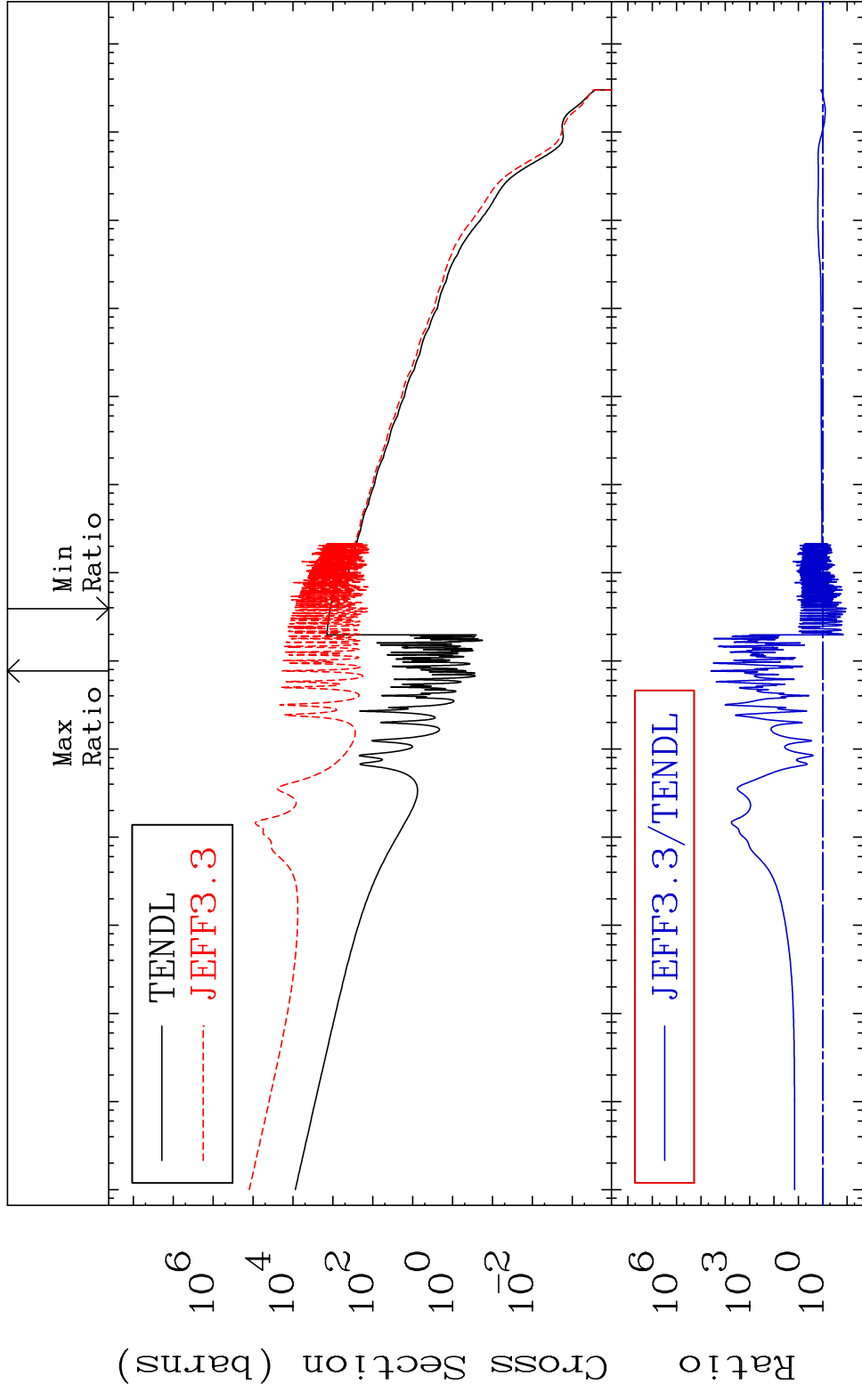
MAT 6522 (n, n') Continuum 65-Tb-158
 Cross Section -100.0 To 3.319 %



MAT 6522

(n, γ)
Cross Section -89.22 To 9999. %

65-Tb-158



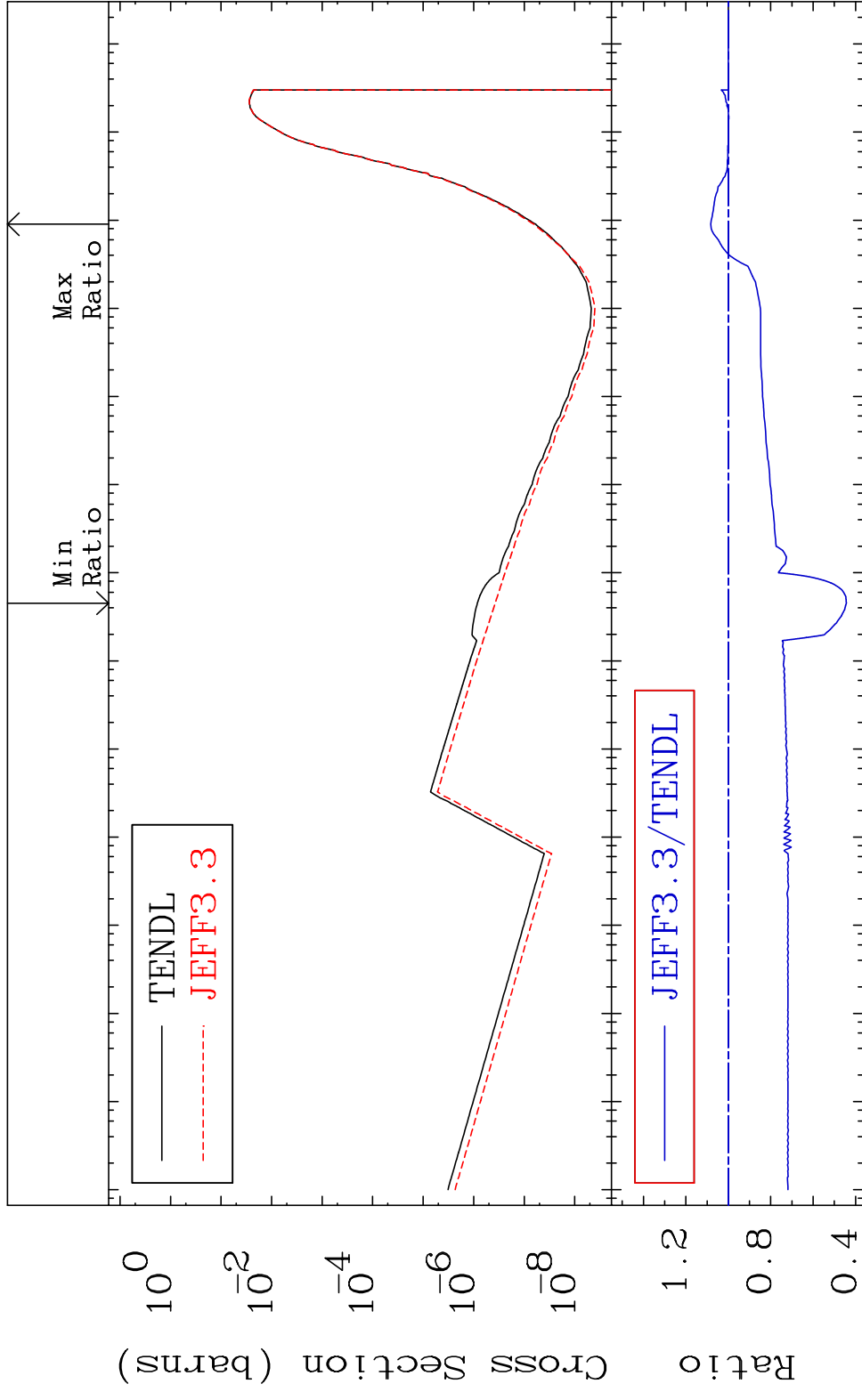
MAT 6522

(n, p)

65-Tb-158

Cross Section

-55.65 To 8.282 %



49

Incident Energy (eV)

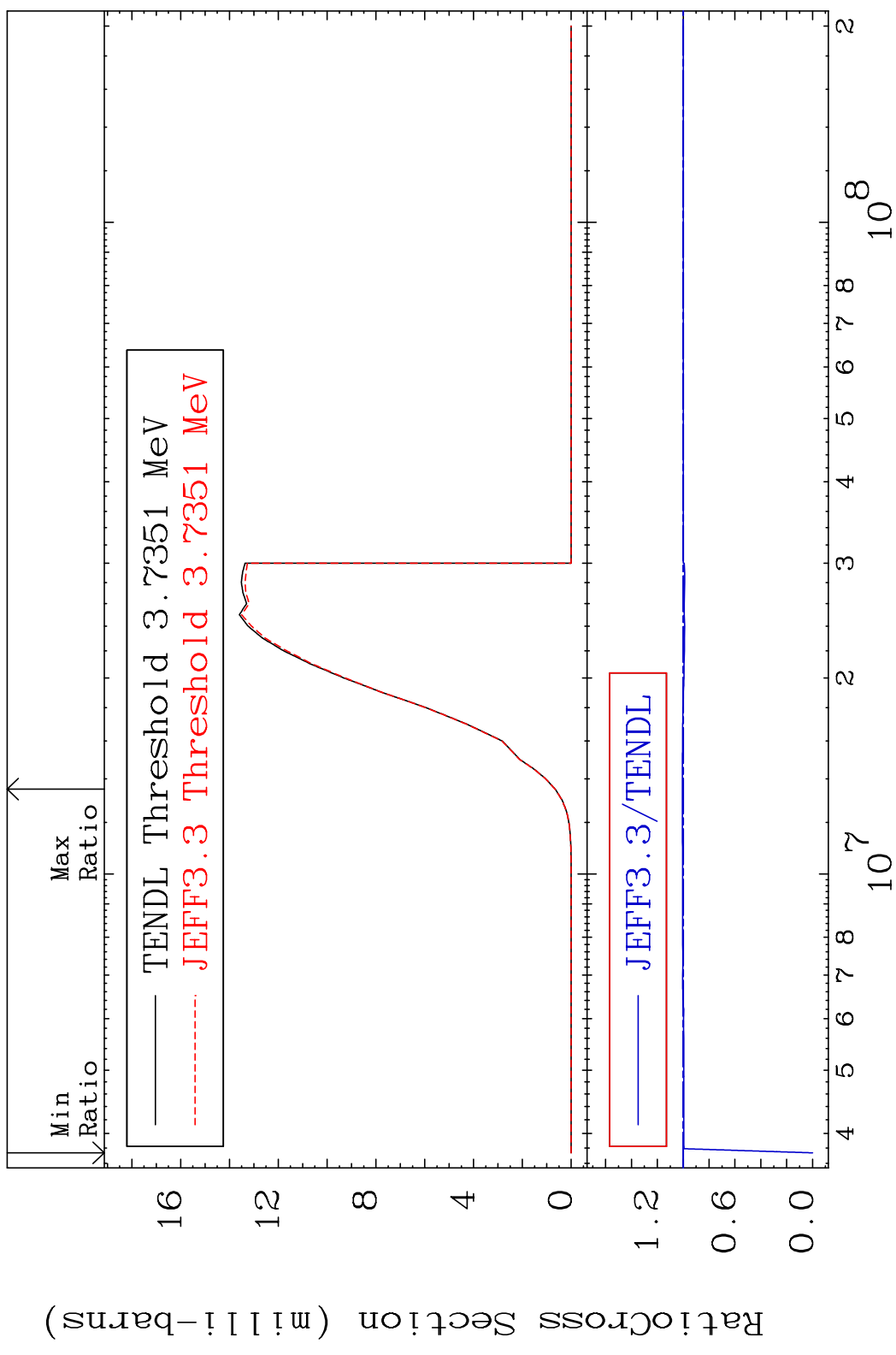
65-Tb-158

MAT 6522

(n, d)

65-Tb-158

Cross Section -100.0 To 0.664 %

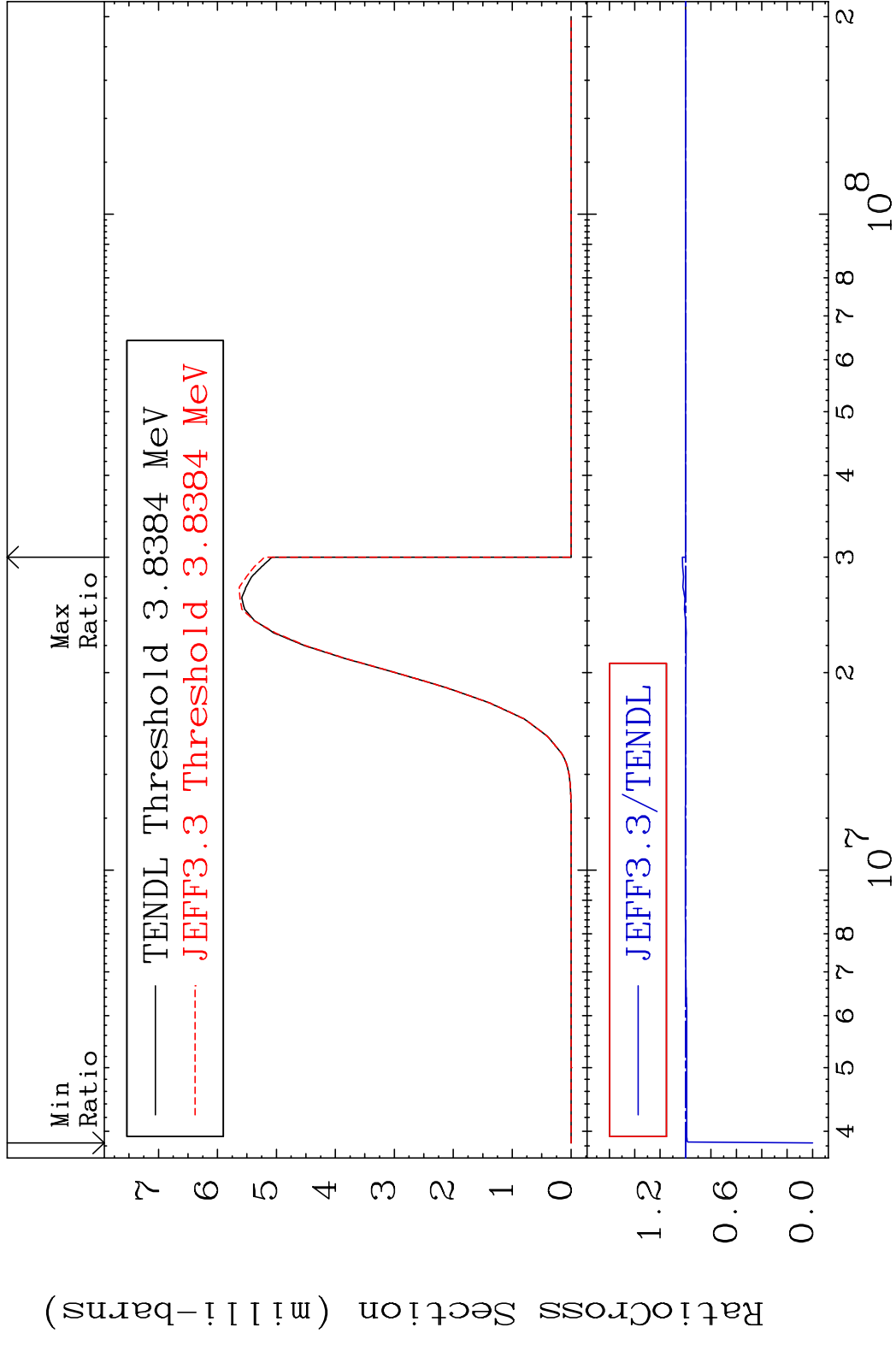


50

Incident Energy (eV)

65-Tb-158

MAT 6522 (n, t) 65-Tb-158
 Cross Section -100.0 To 2.499 %

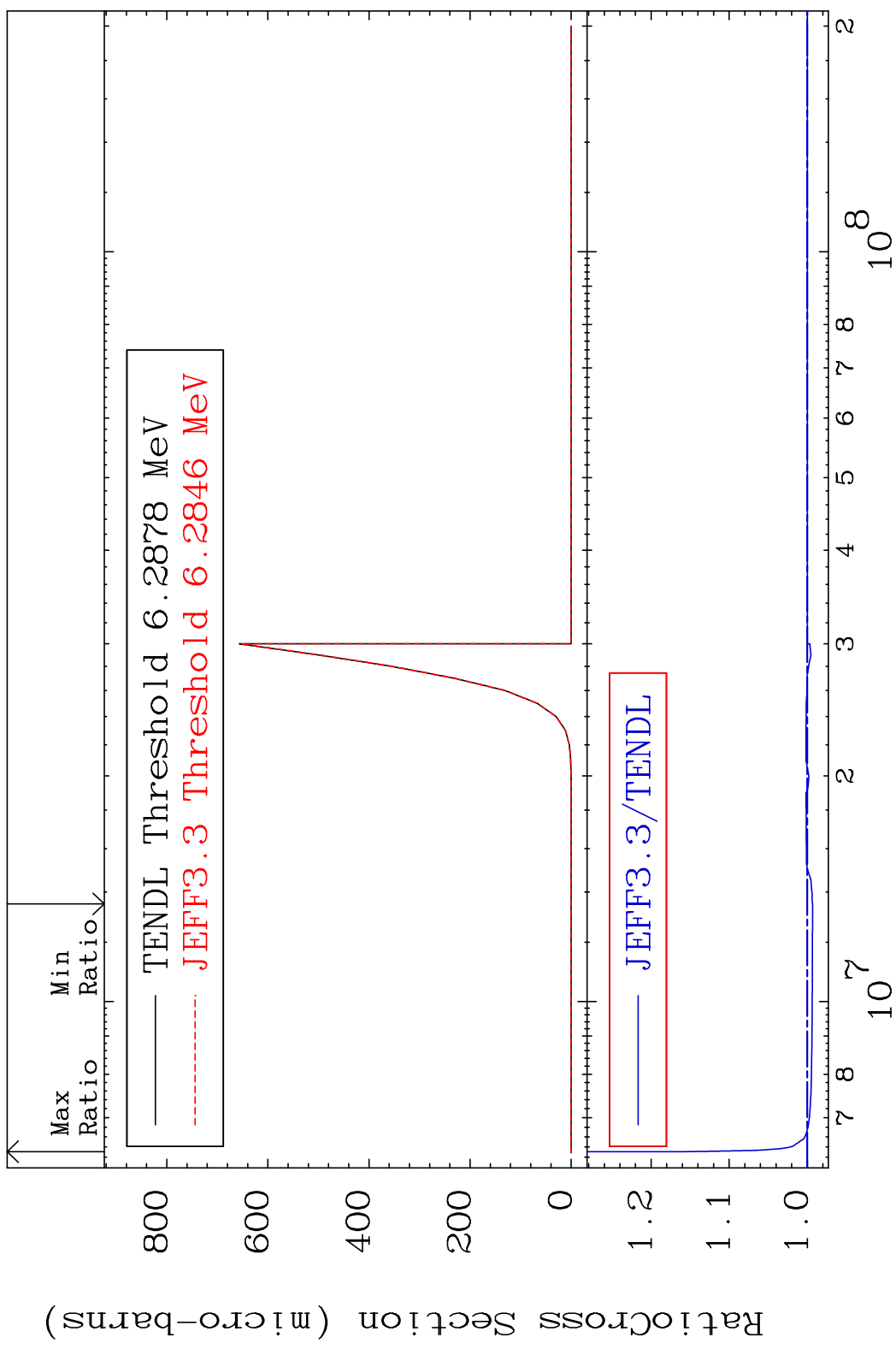


MAT 6522

(n, He-3)

65-Tb-158

Cross Section -0.673 To 16.00 %

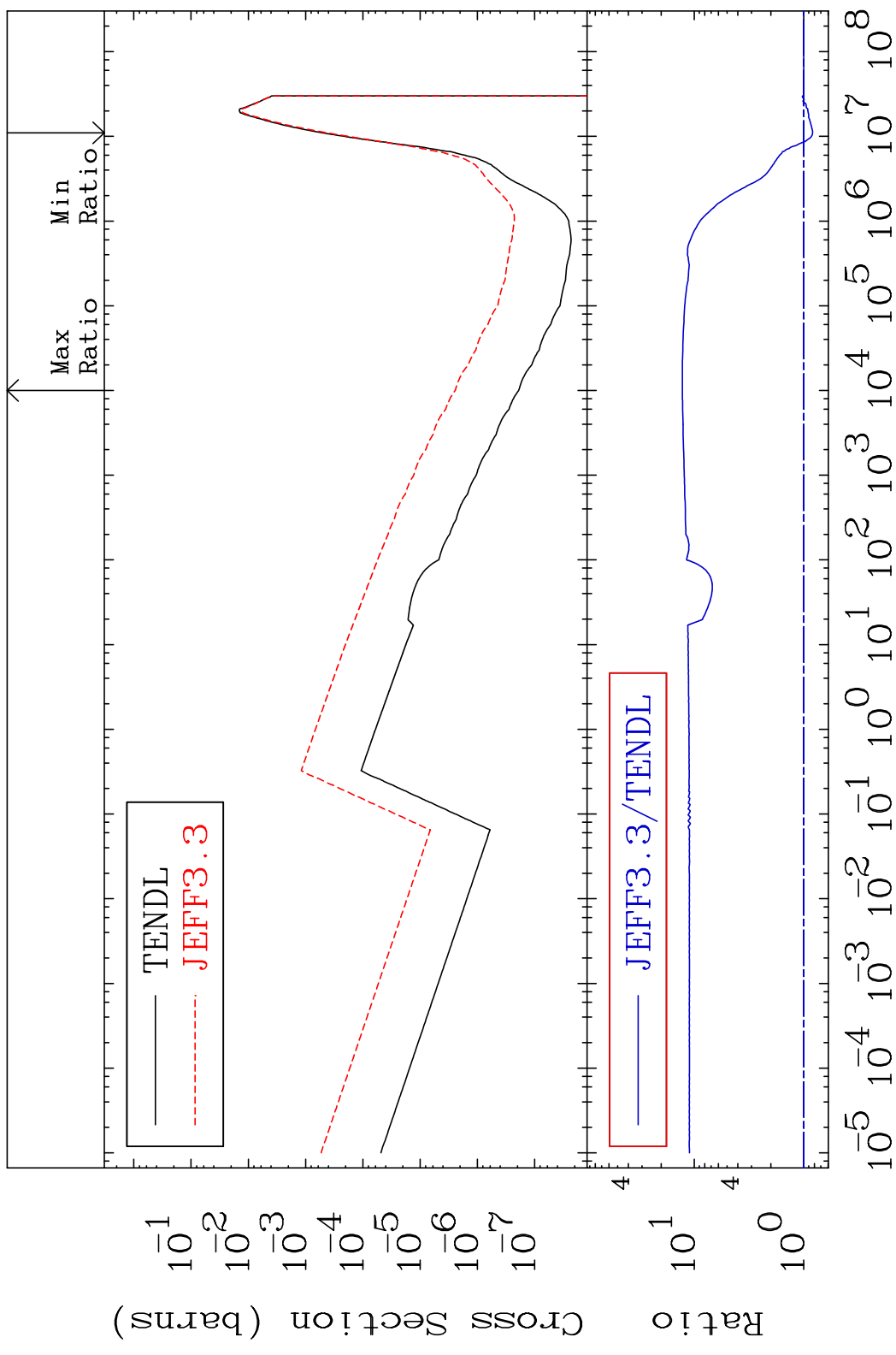


MAT 6522

(n, α)

65-Tb-158

Cross Section -16.89 To 1183. %

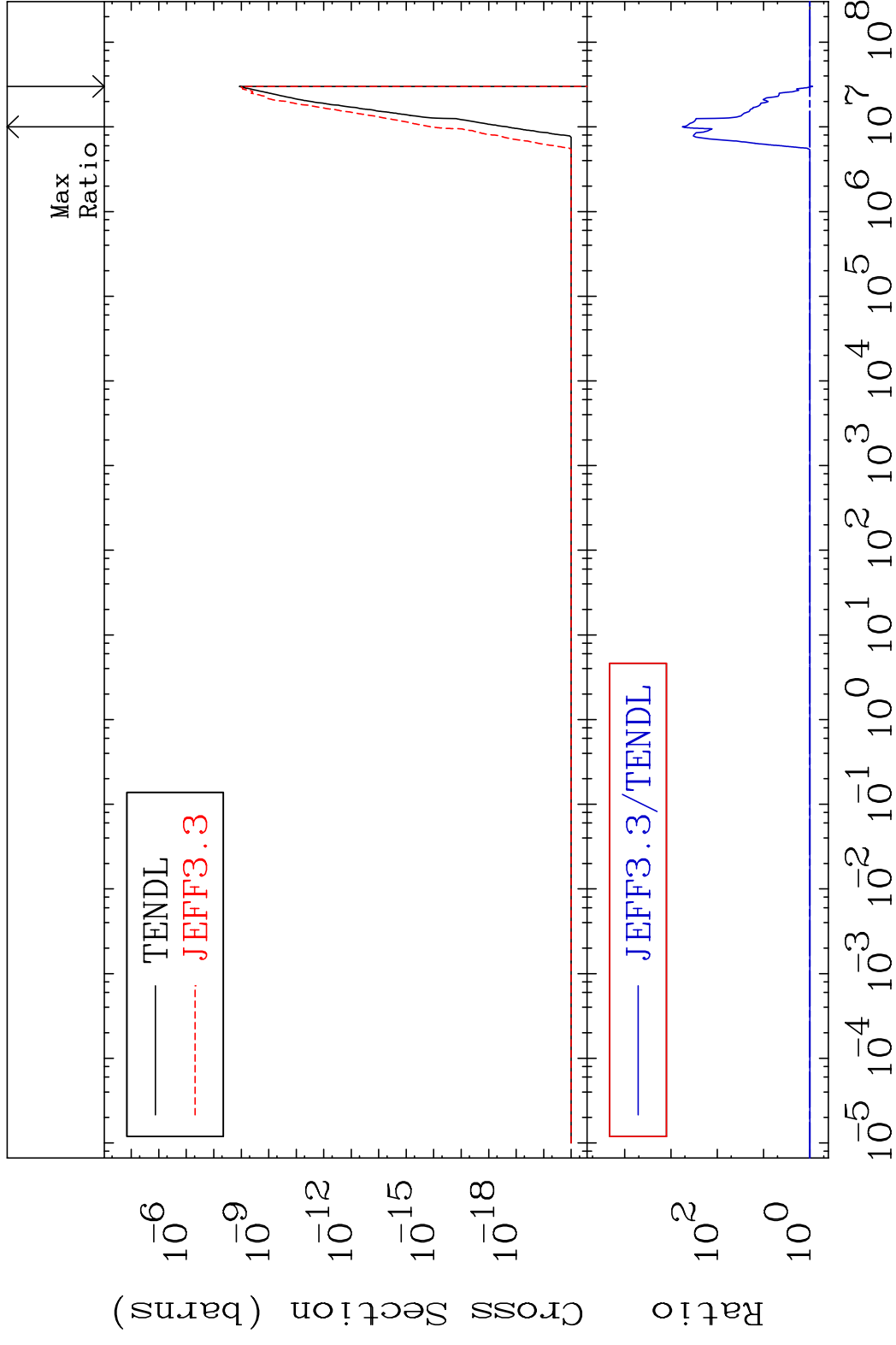


MAT 6522

(n, 2α)

65-Tb-158

Cross Section -12.38 To 9999. %

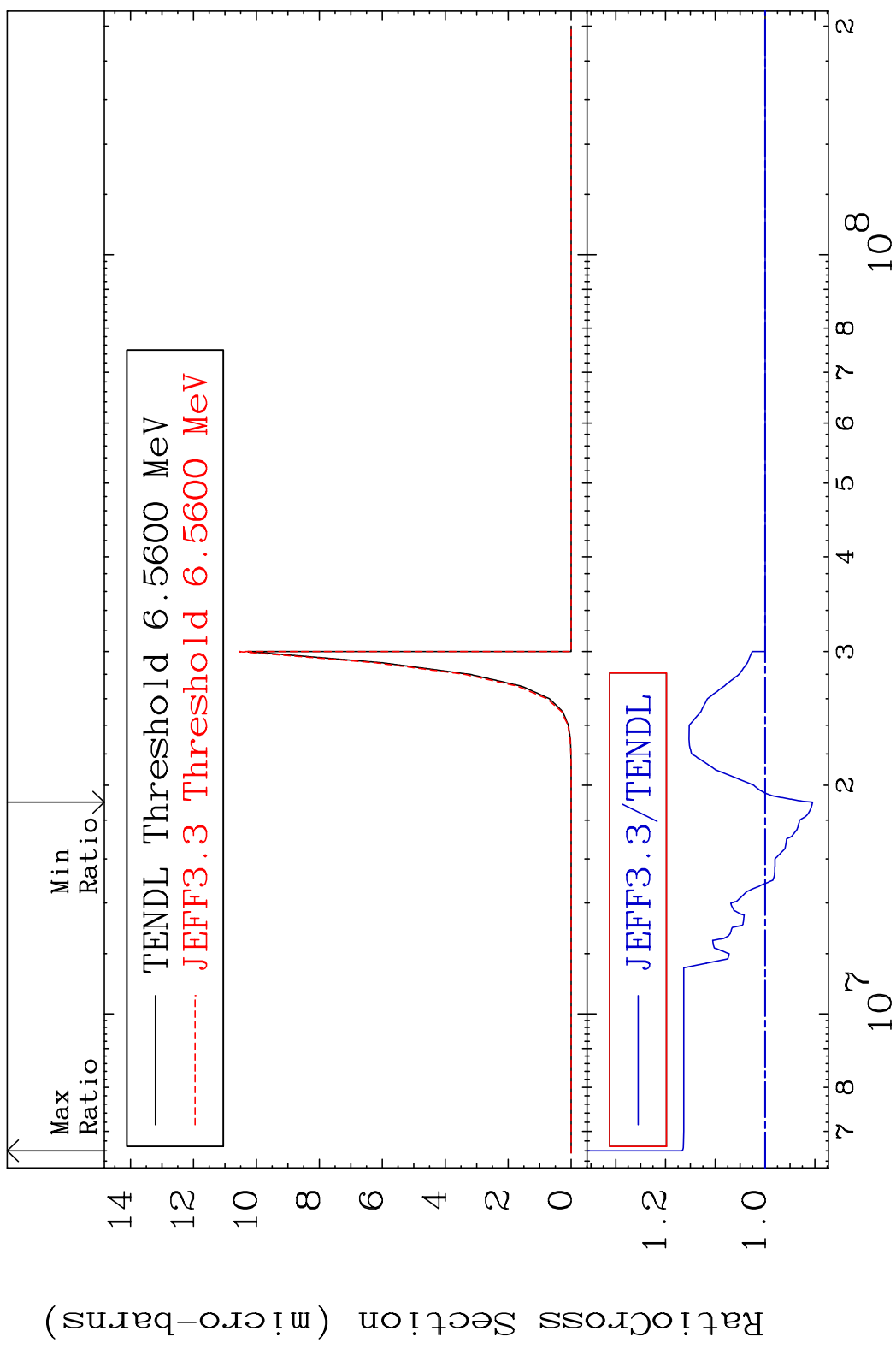


MAT 6522

(n,2p)

65-Tb-158

Cross Section -9.540 To 16.61 %

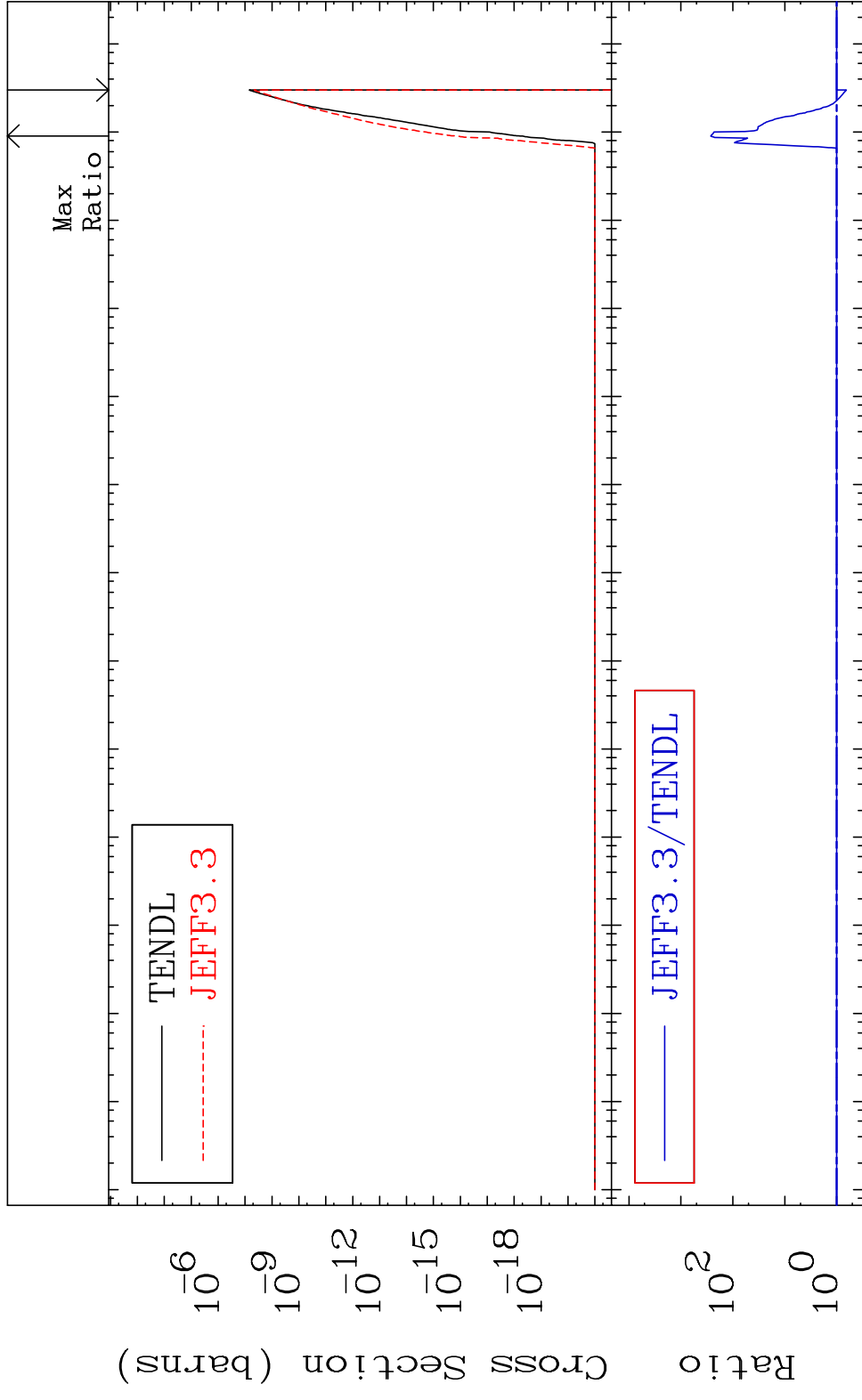


MAT 6522

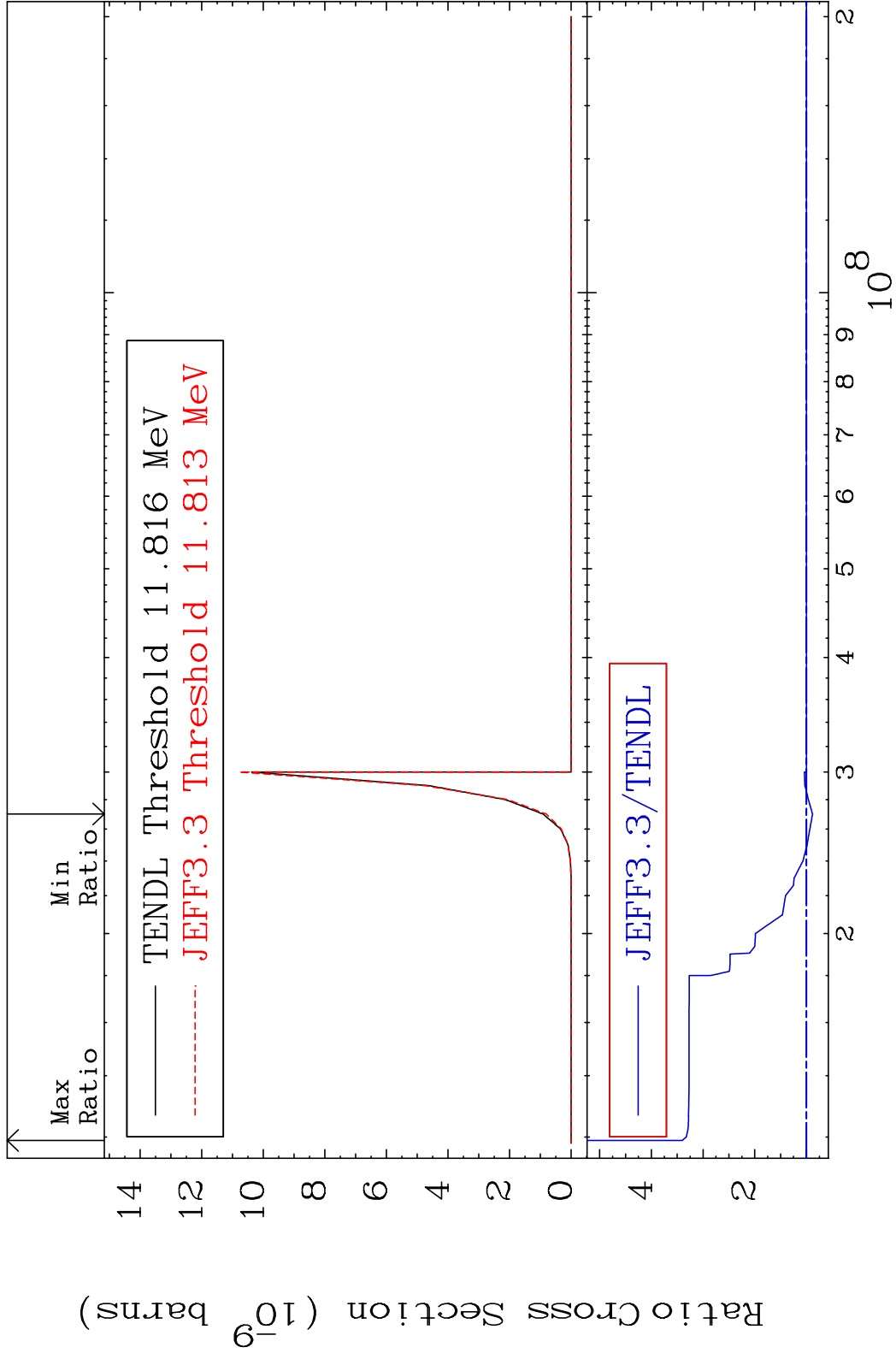
(n,p) α

65-Tb-158

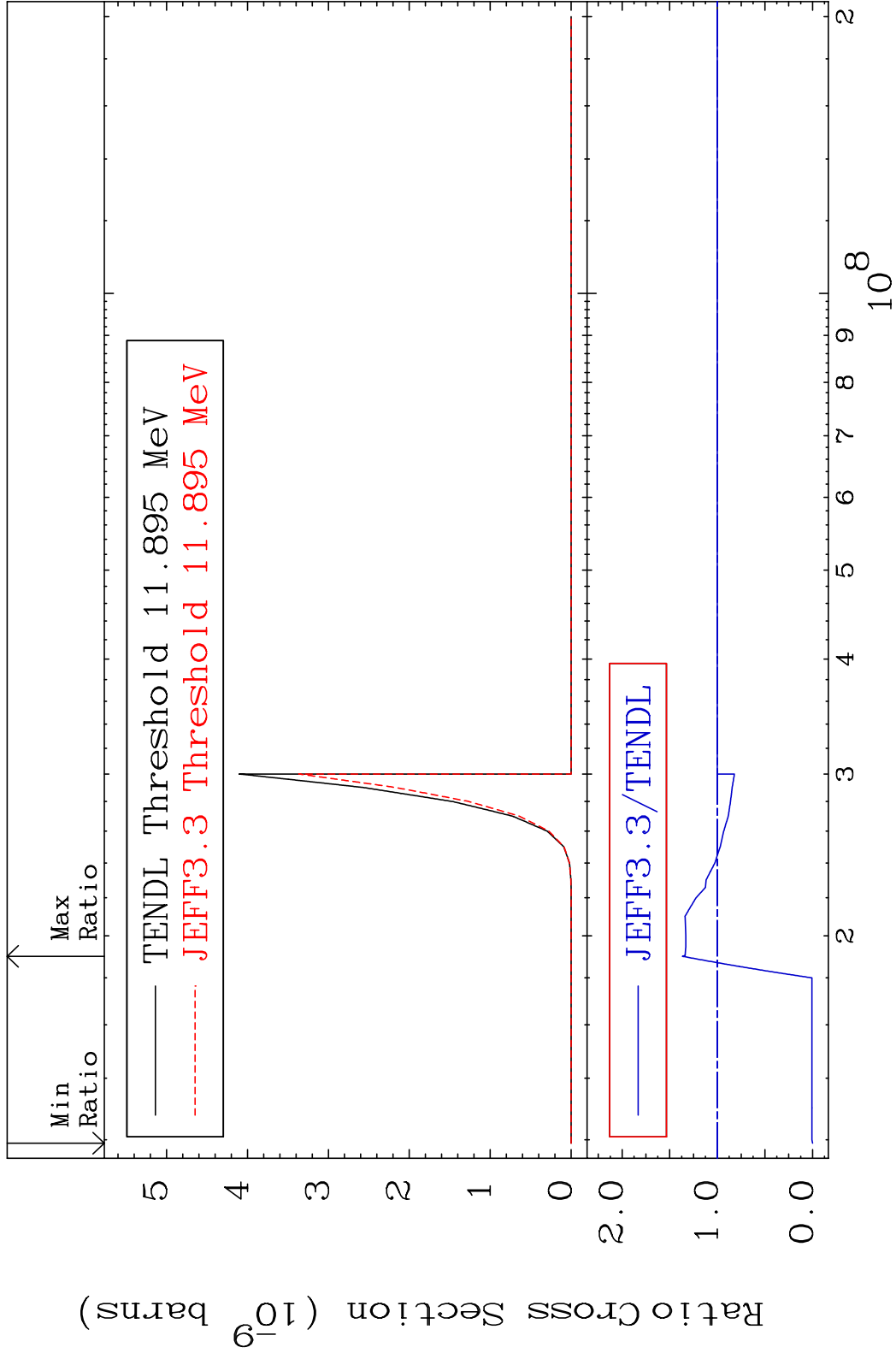
Cross Section -34.57 To 9999. %



MAT 6522 (n,p) d 65-Tb-158
 Cross Section -11.87 To 240.1 %



MAT 6522 (n,p) t 65-Tb-158
 Cross Section -100.0 To 36.74 %

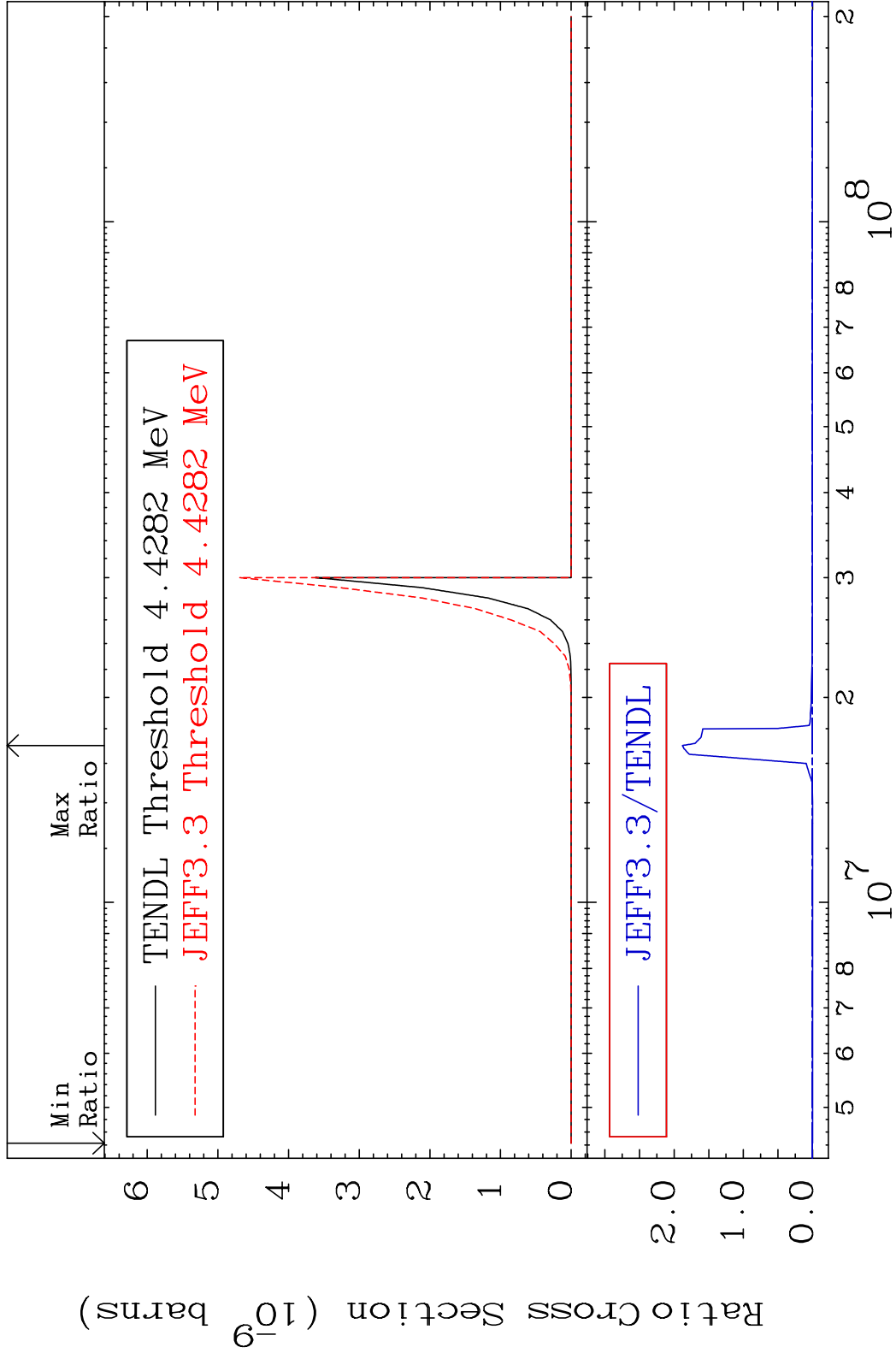


MAT 6522

(n,d) α

65-Tb-158

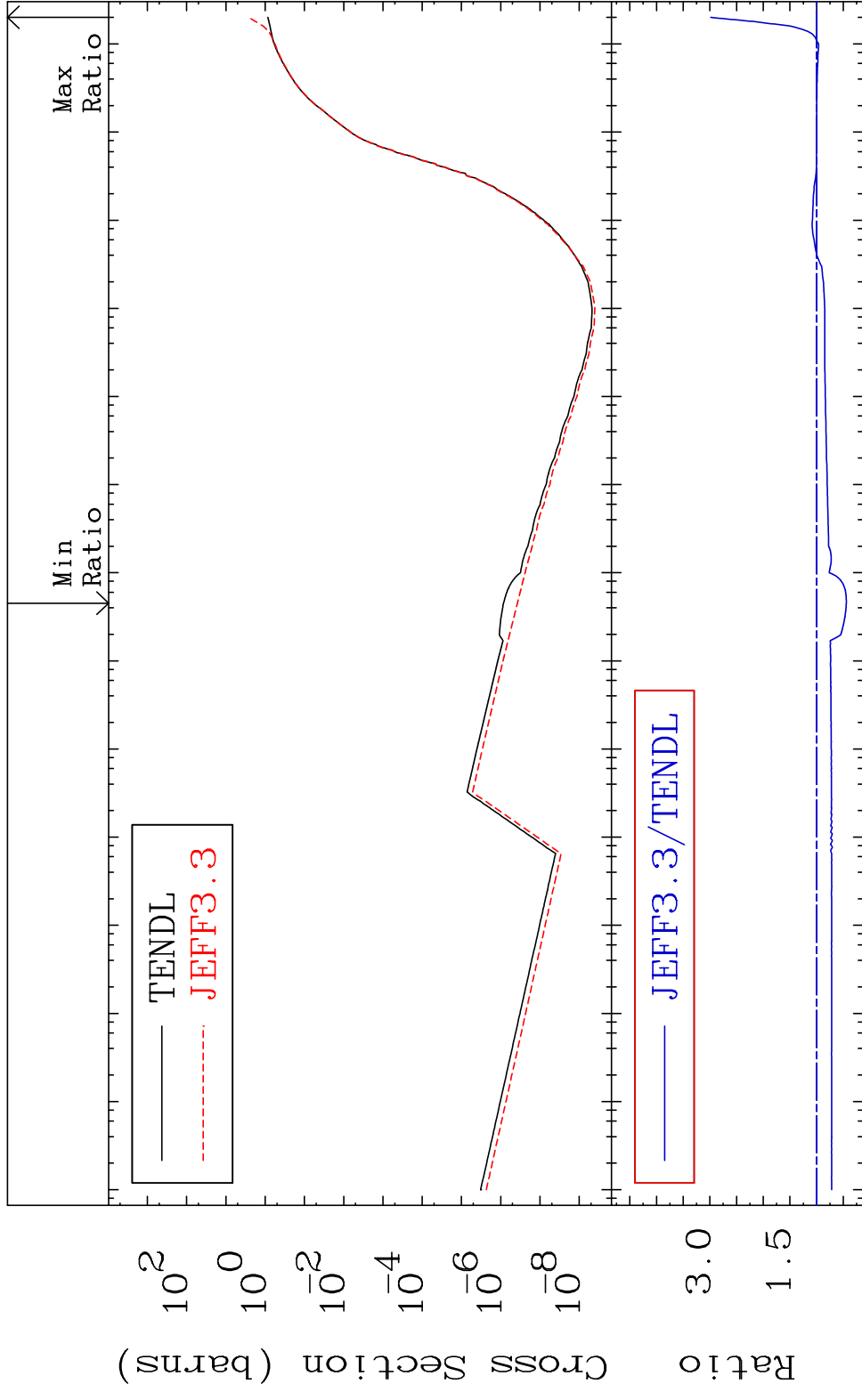
Cross Section -100.0 To 9999. %



MAT 6522

Hydrogen Production
Cross Section -55.65 To 198.4 %

65-Tb-158



Cross Section (barns)
Ratio

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

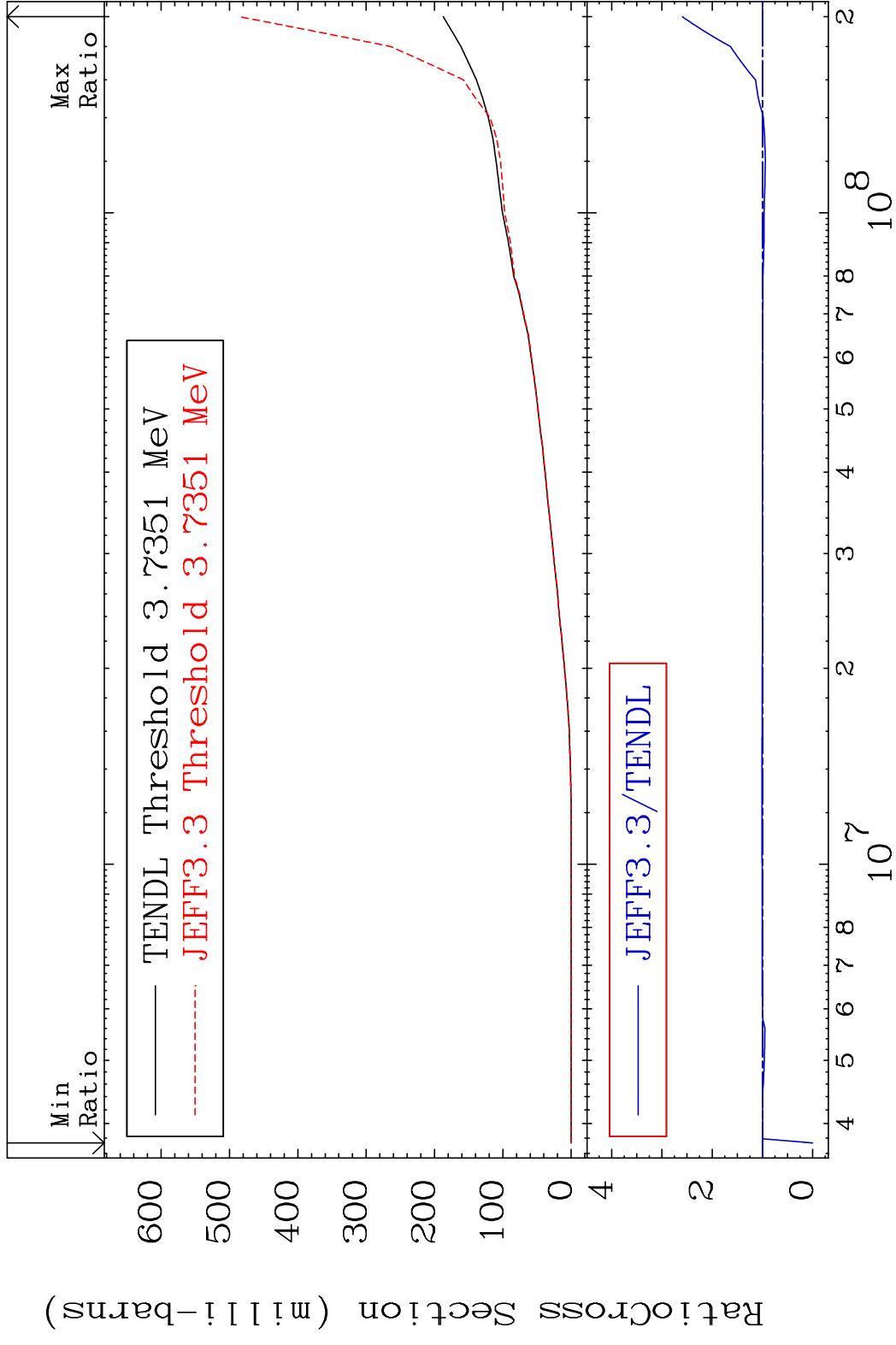
60 Incident Energy (eV) 65-Tb-158

MAT 6522

Deuterium Production

65-Tb-158

Cross Section -100.0 To 159.4 %



61

Incident Energy (eV)

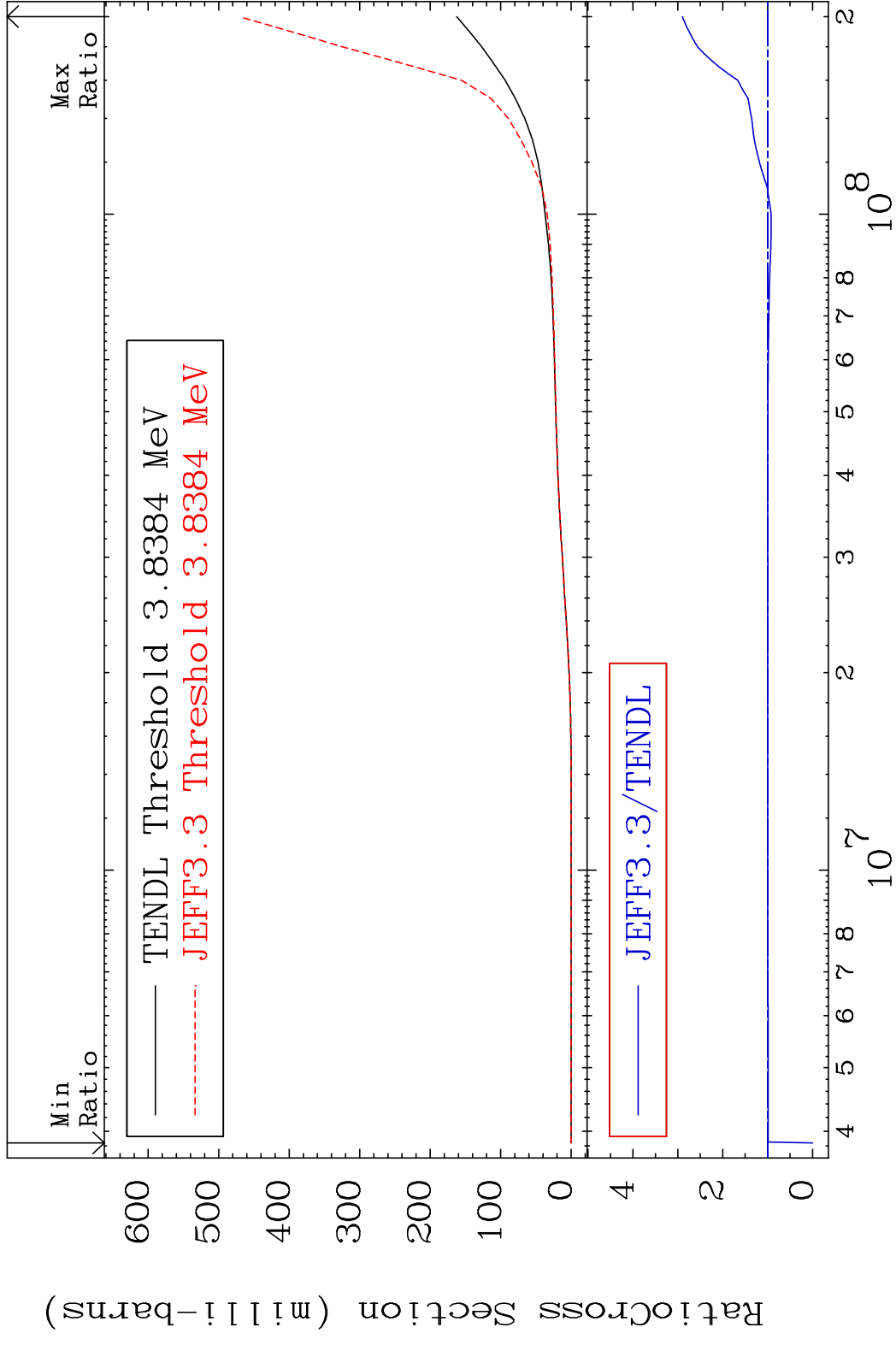
65-Tb-158

MAT 6522

Tritium Production

65-Tb-158

Cross Section -100.0 To 189.9 %

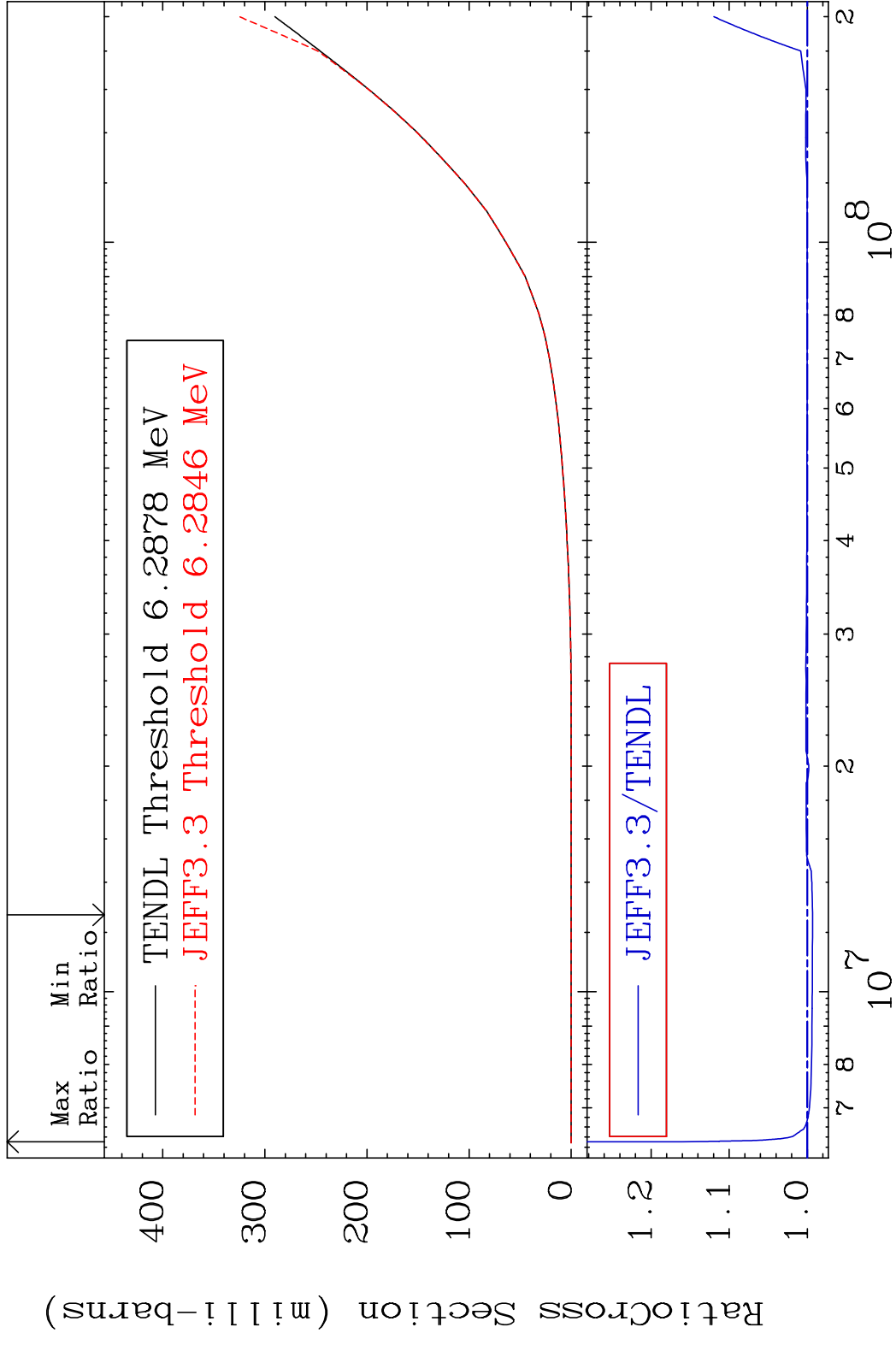


MAT 6522

He-3 Production

65-Tb-158

Cross Section -0.667 To 16.00 %

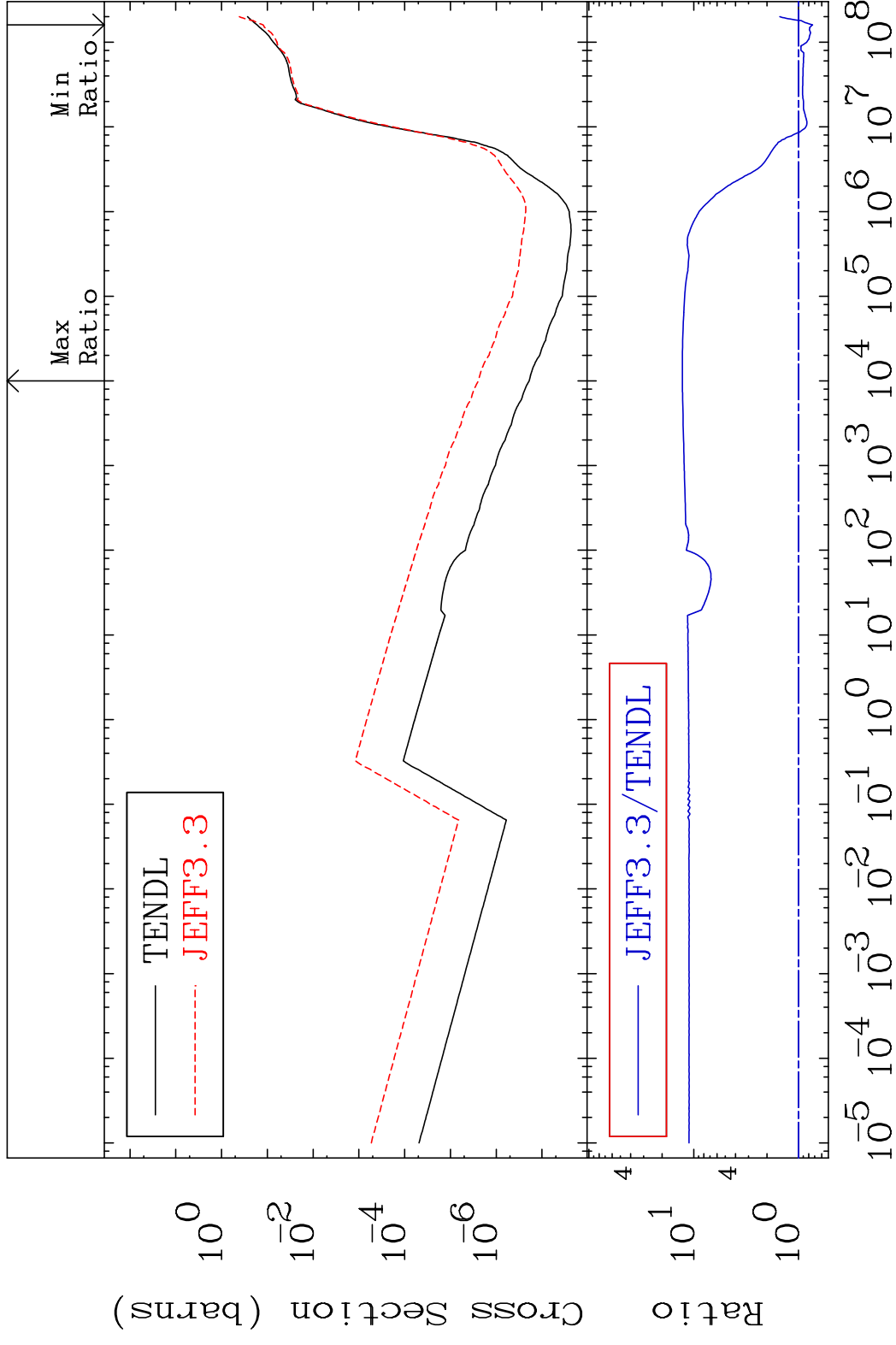


MAT 6522

He-4 Production

65-Tb-158

Cross Section -26.55 To 1183. %

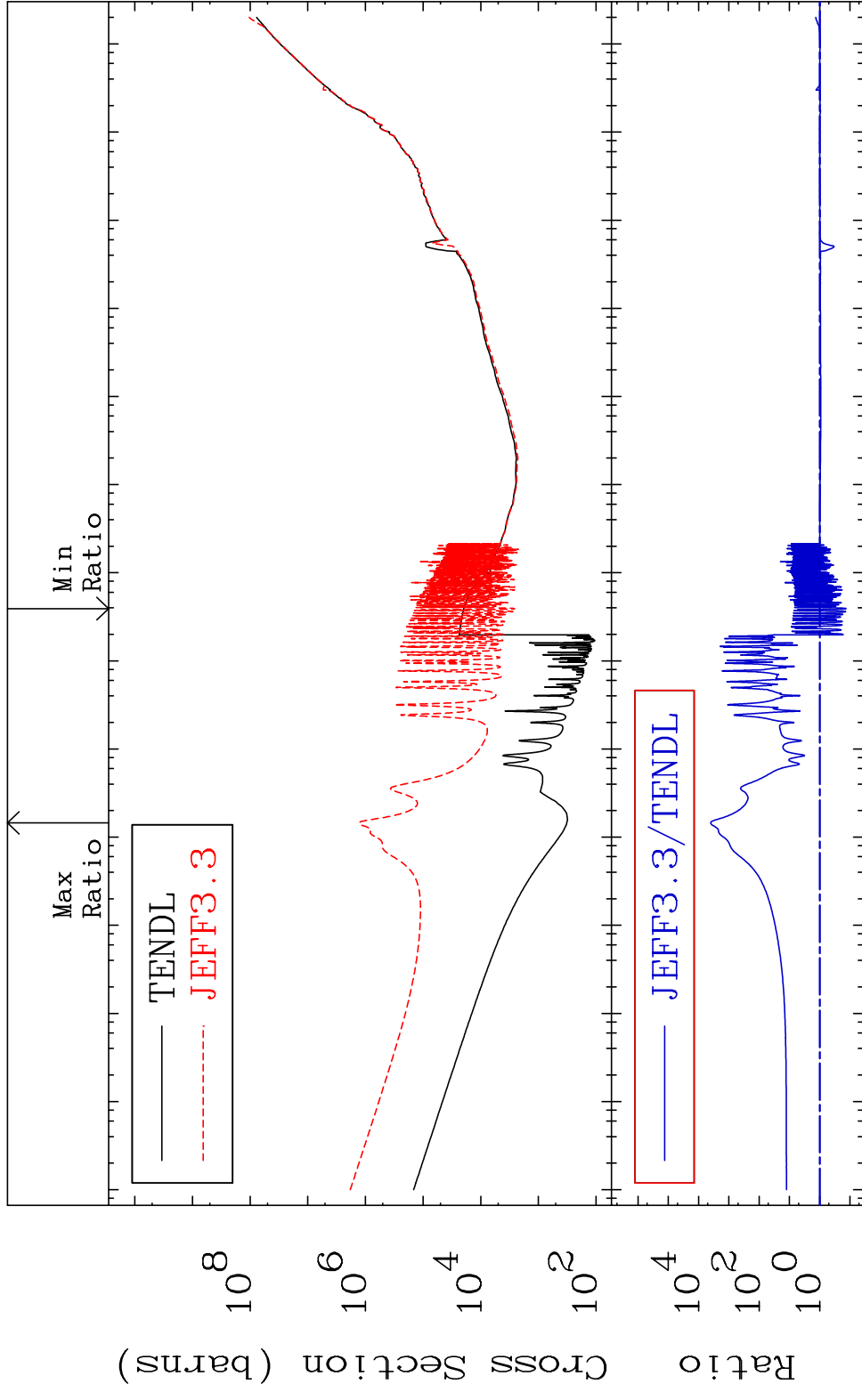


64

Incident Energy (eV)

65-Tb-158

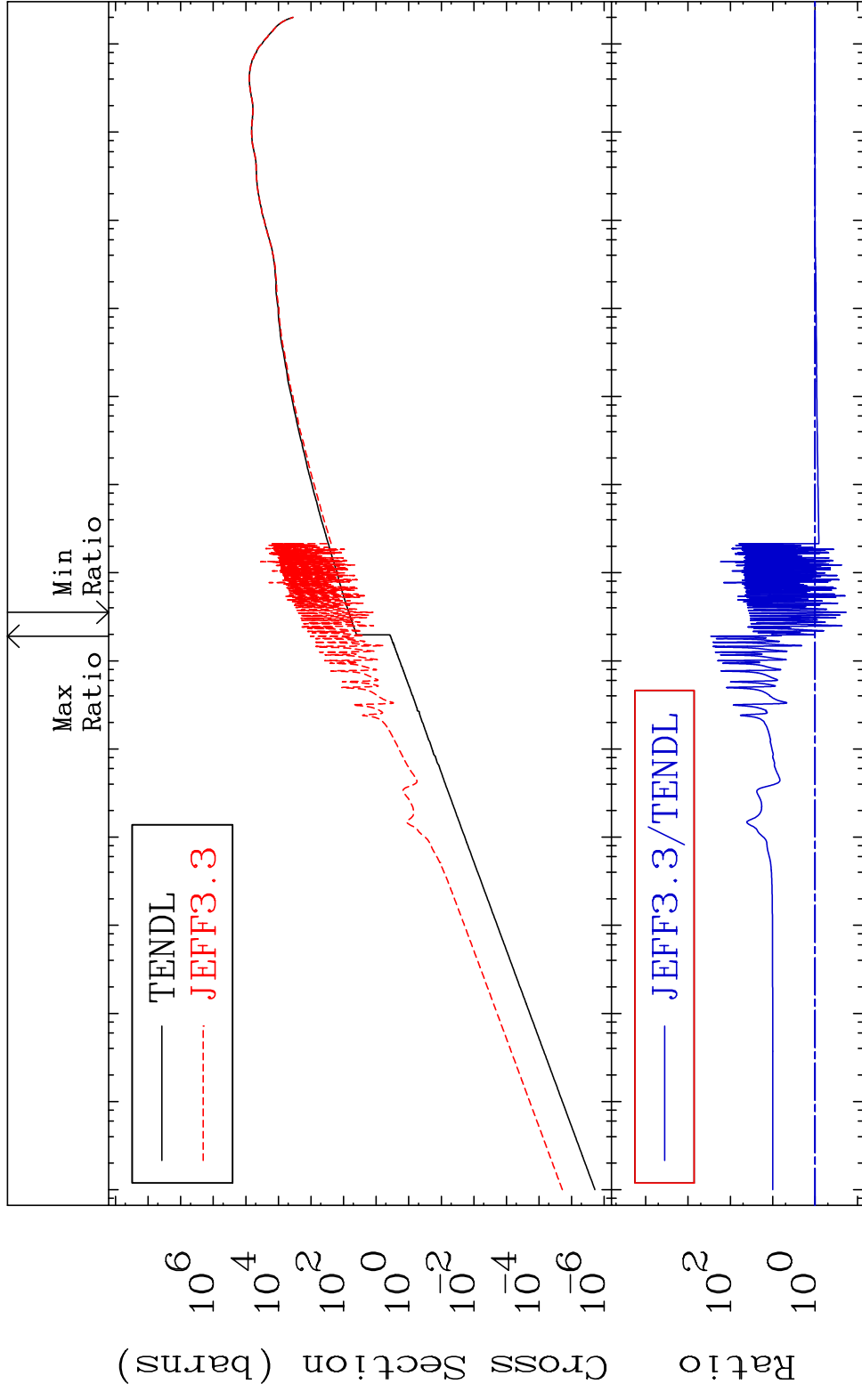
MAT 6522 Kerma total (eV-barns) 65-Tb-158
 Cross Section -86.83 To 9999. %



65 Incident Energy (eV) 65-Tb-158

MAT 6522

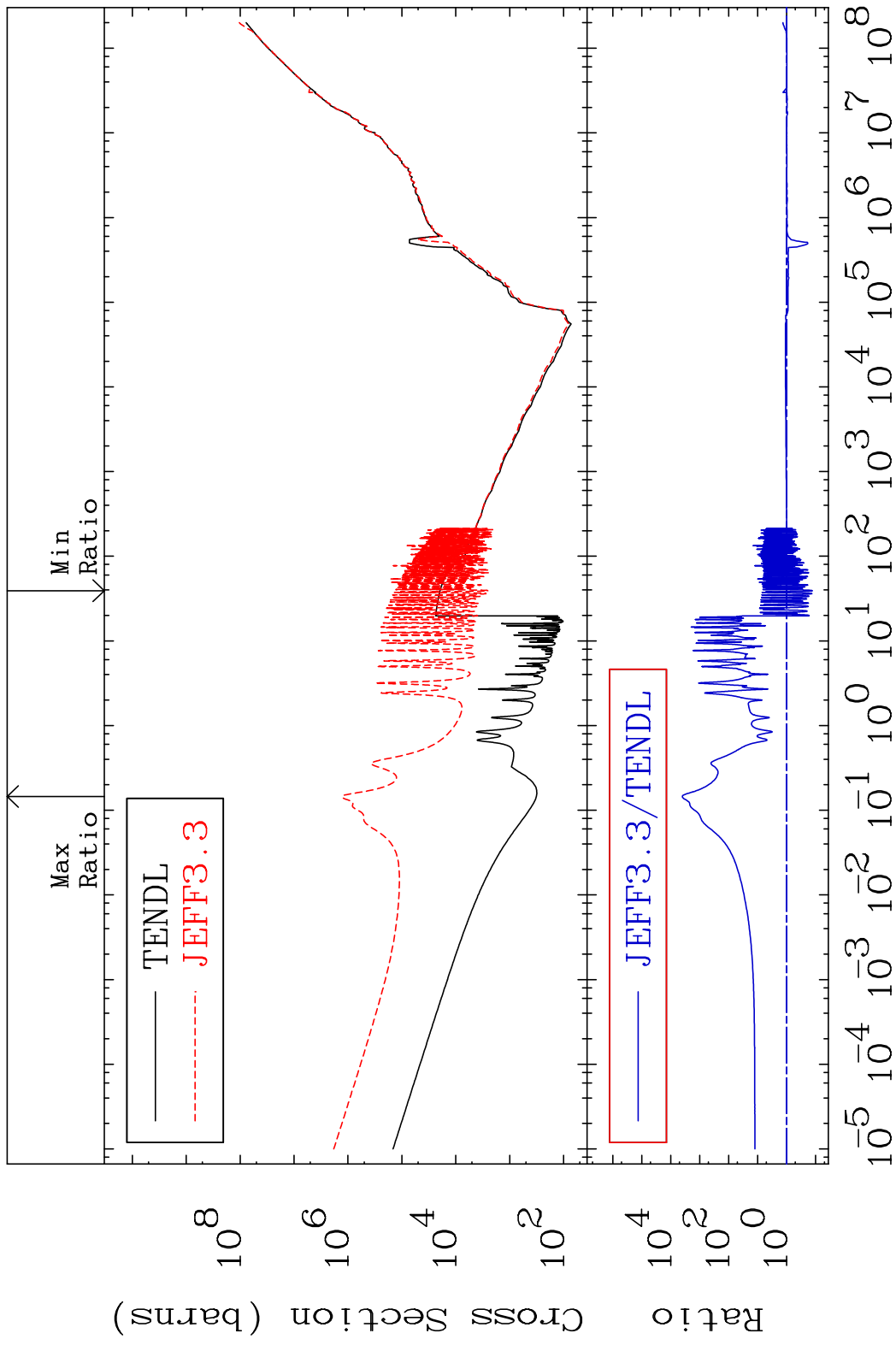
Kerma elastic Cross Section -81.63 To 9999. %
65-Tb-158



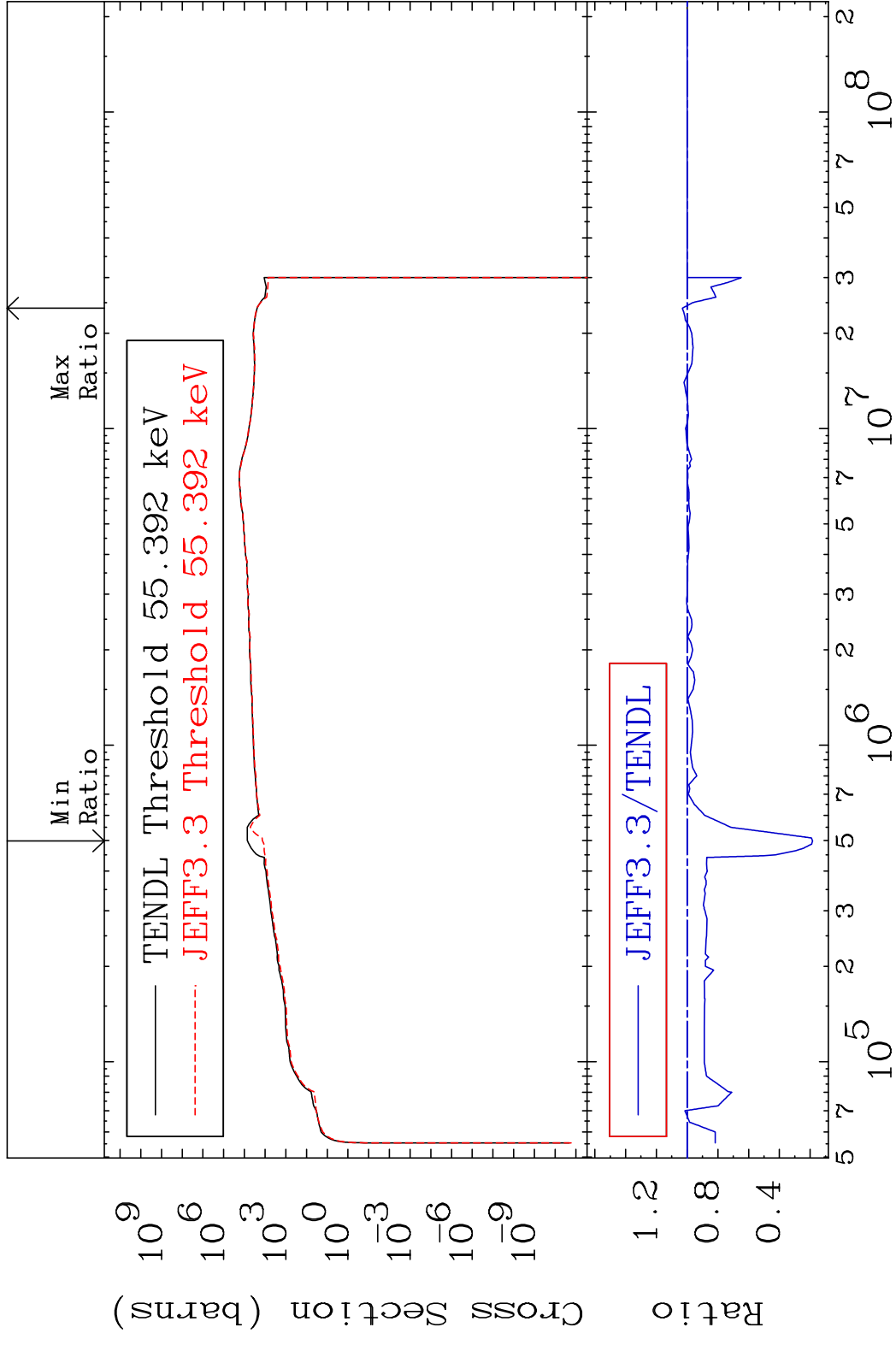
66

Incident Energy (eV) 65-Tb-158

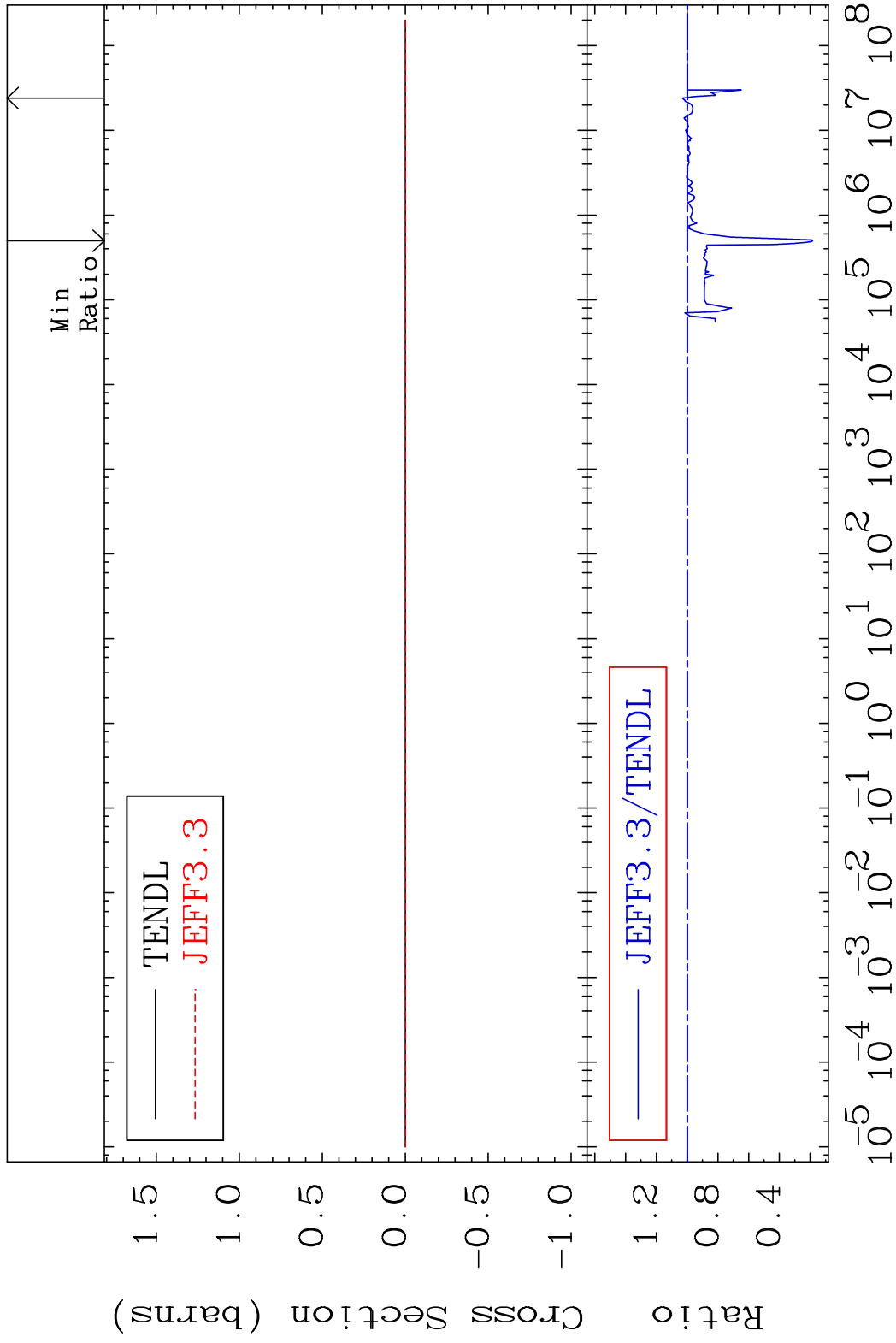
MAT 6522 Kerma non-elastic (all but mt2) 65-Tb-158
 Cross Section -87.22 To 9999. %



MAT 6522 Kerma inelastic (mt51-91) 65-Tb-158
 Cross Section -81.56 To 3.104 %

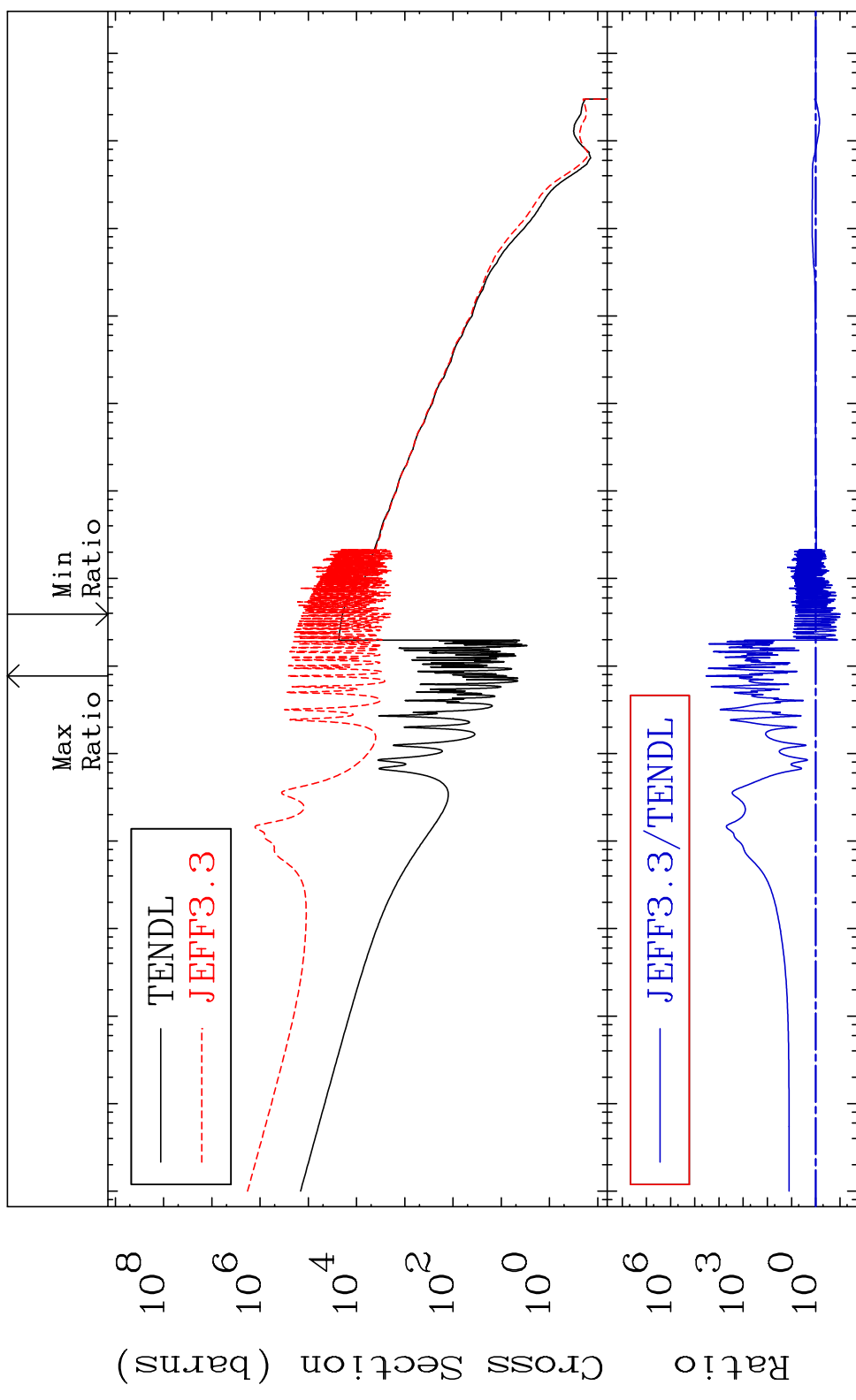


MAT 6522 Kerma fission (mt18 or mt19-20-21-38) 65-Tb-158
 Cross Section -81.56 To 3.104 %



MAT 6522

Kerma capture (mt102) 65-Tb-158
Cross Section -90.47 To 9999. %

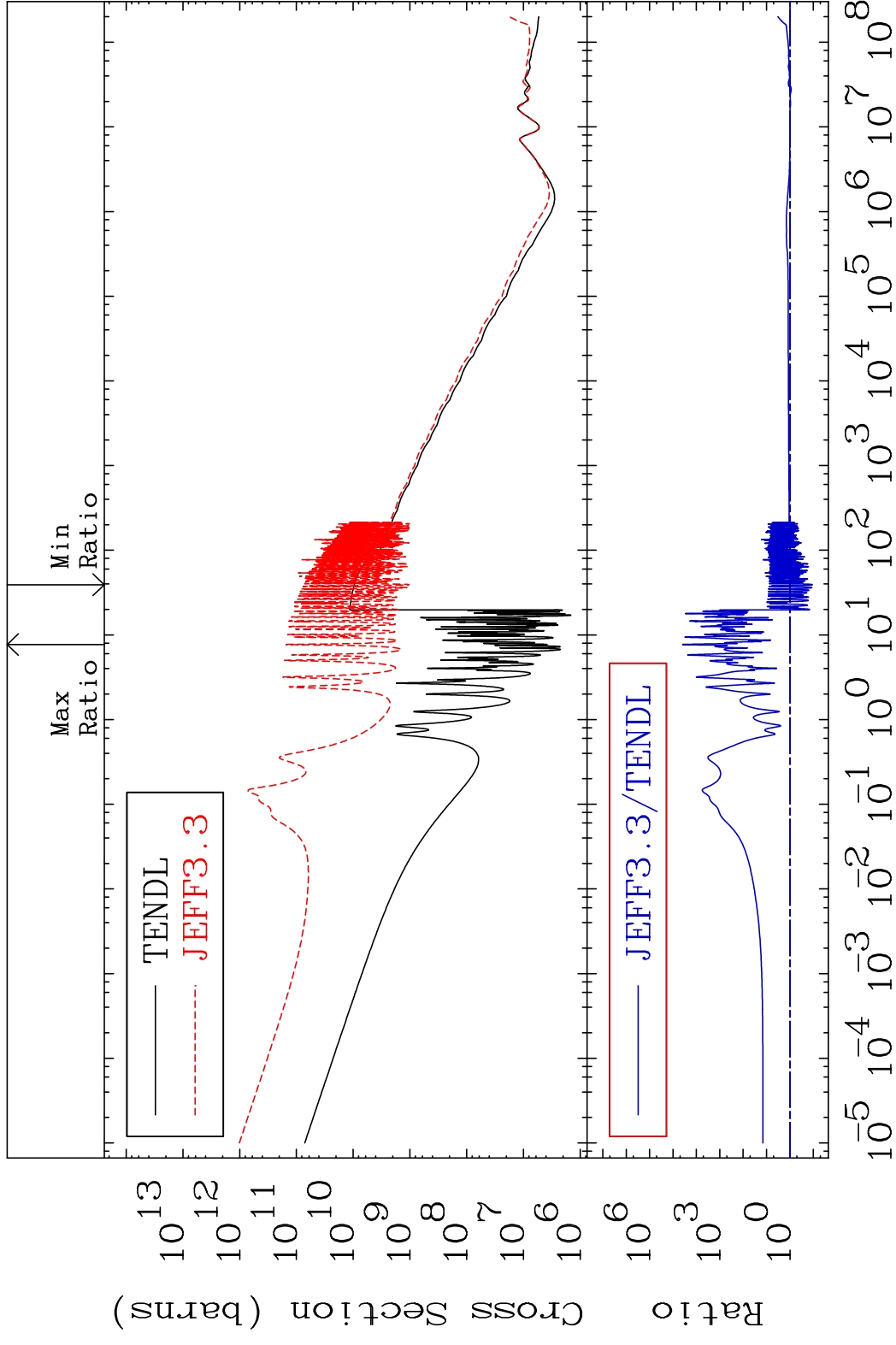


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Incident Energy (eV)

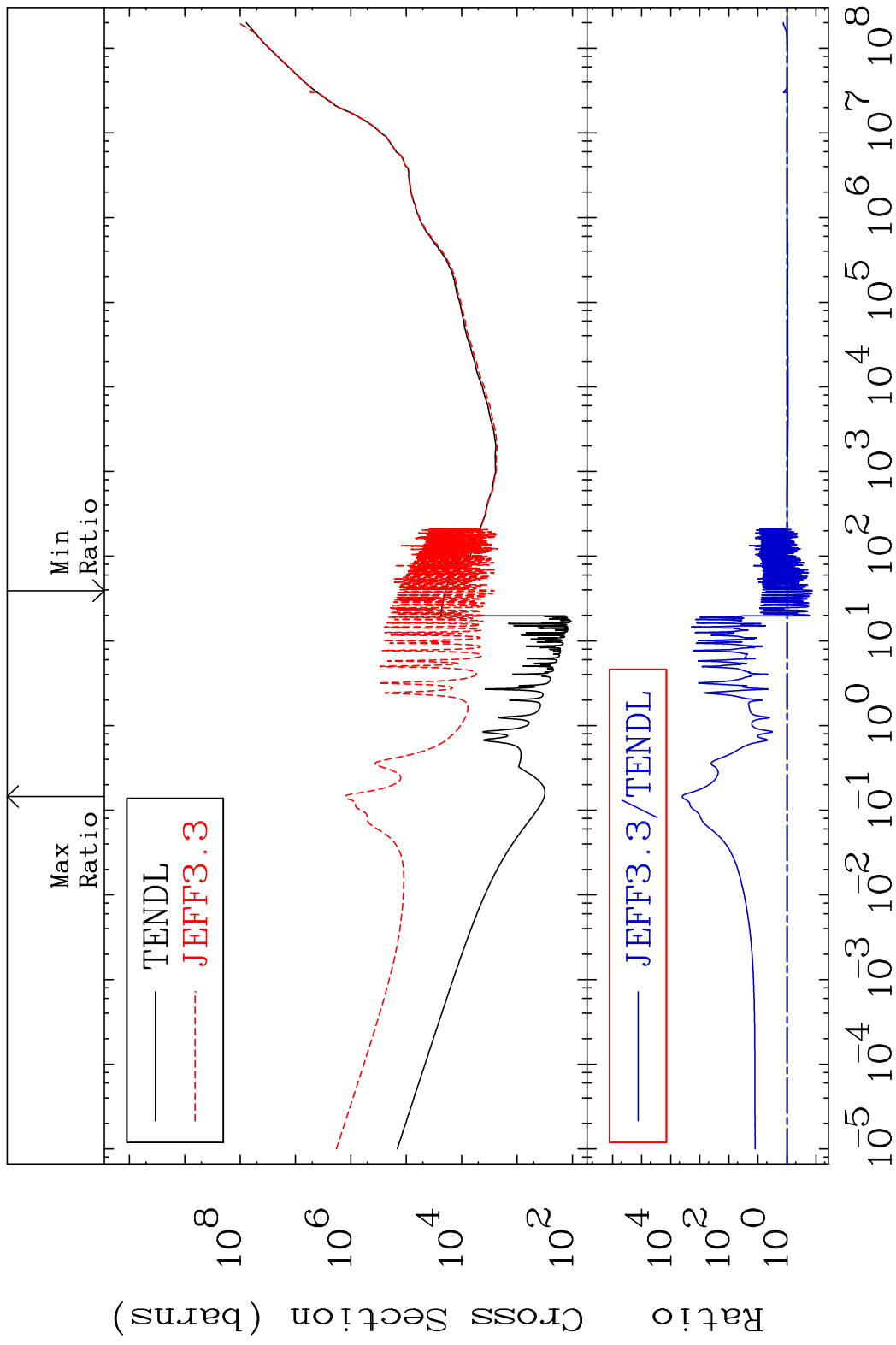
65-Tb-158

MAT 6522 Total photon (eV-barns) 65-Tb-158
 Cross Section -89.22 To 9999. %

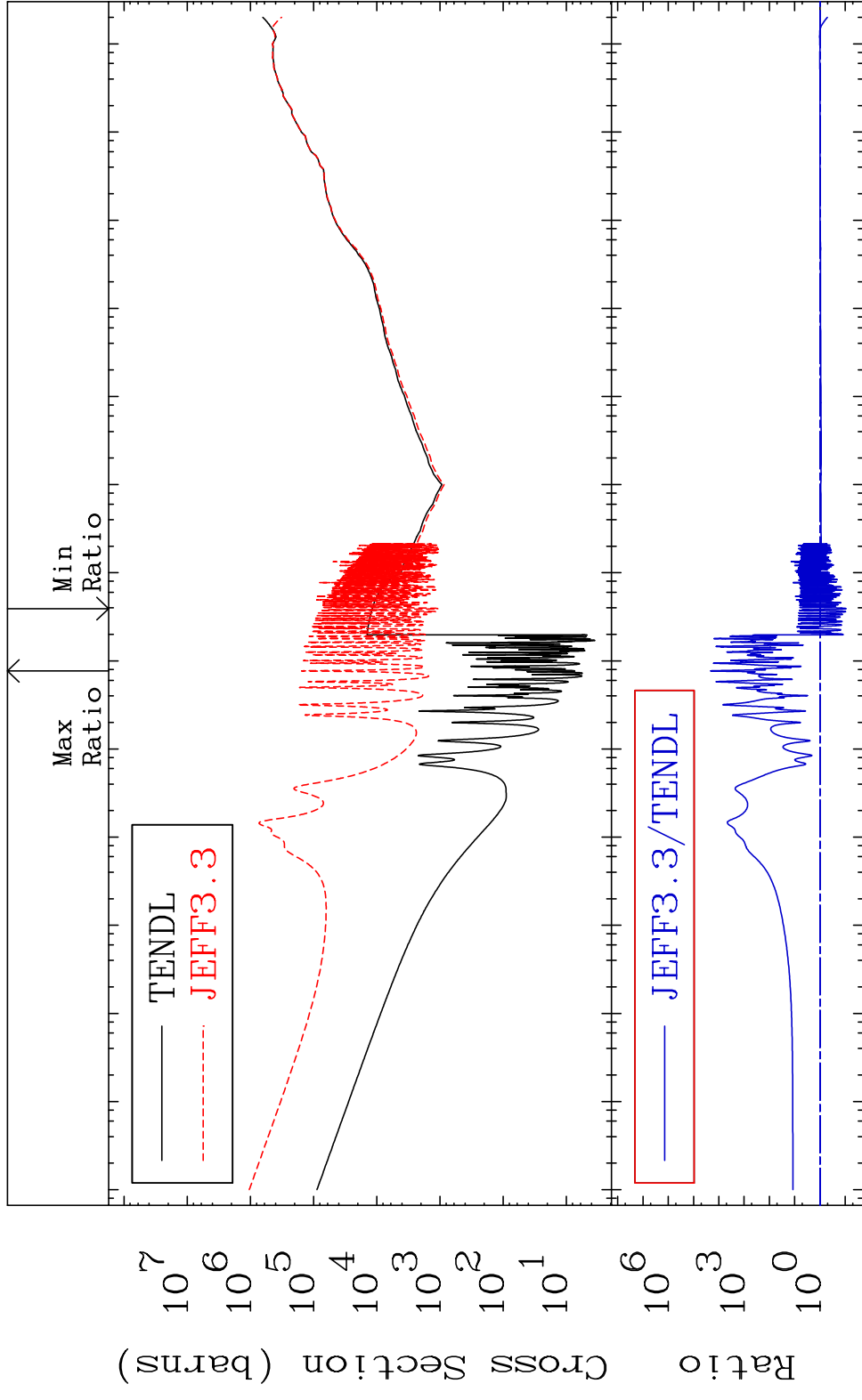


71 Incident Energy (eV) 65-Tb-158

MAT 6522 Total kinematic kerma (high limit) 65-Tb-158
 Cross Section -86.81 To 9999. %



MAT 6522 Dpa total (eV-barns) 65-Tb-158
 Cross Section -90.96 To 9999. %



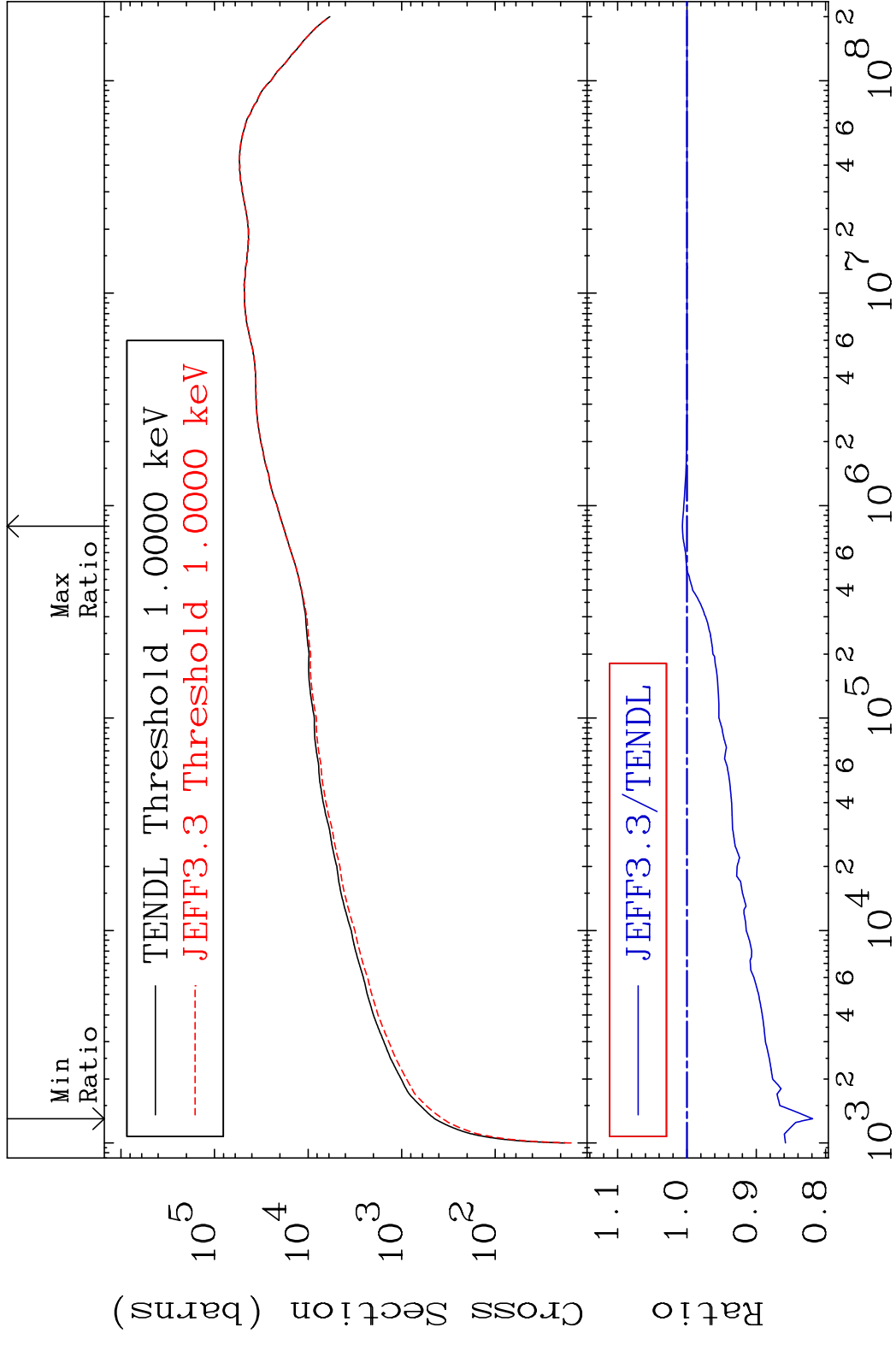
73 Incident Energy (eV) 65-Tb-158

MAT 6522

Dpa elastic (mt2)

65-Tb-158

Cross Section -18.10 To 0.666 %

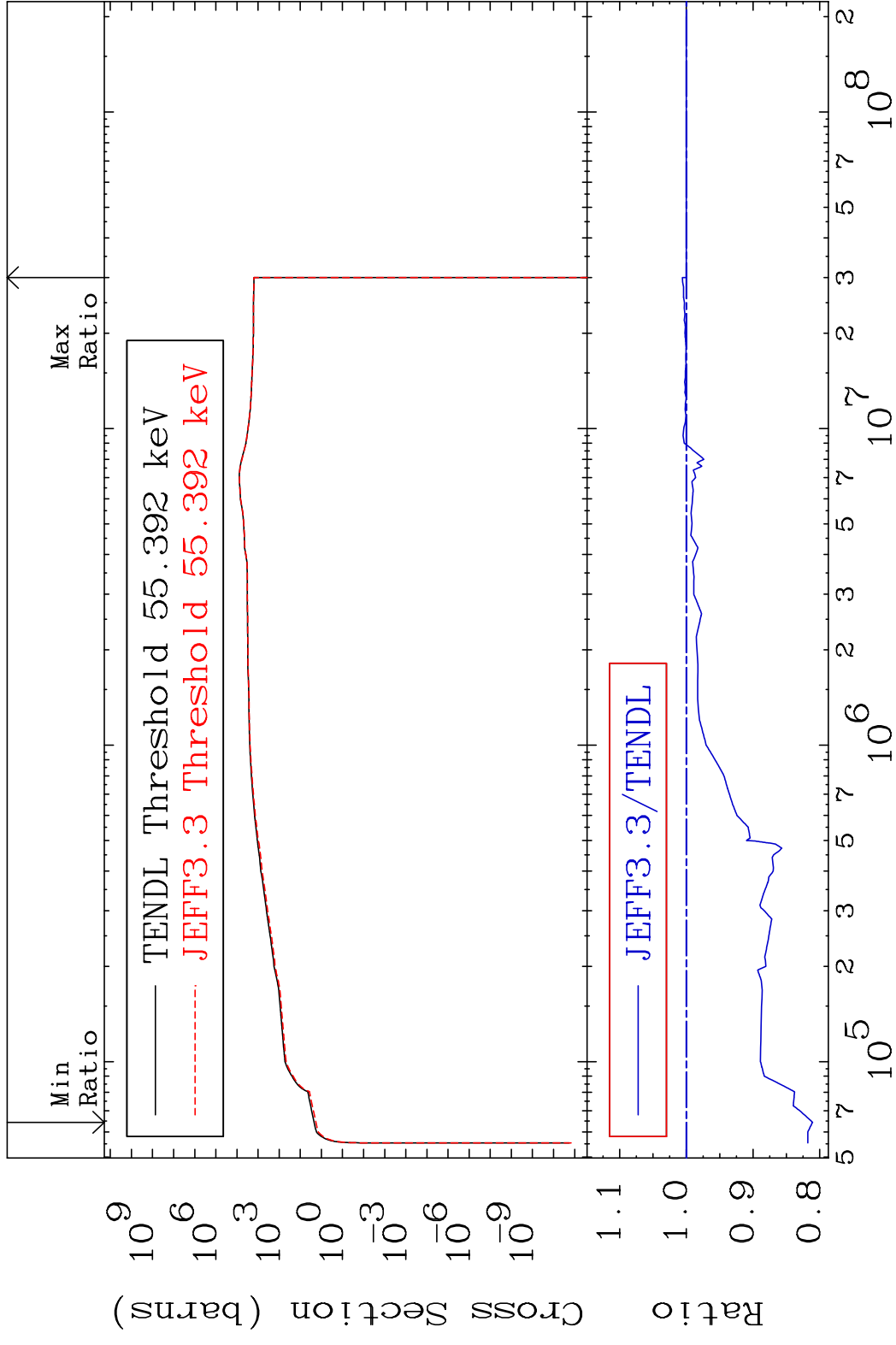


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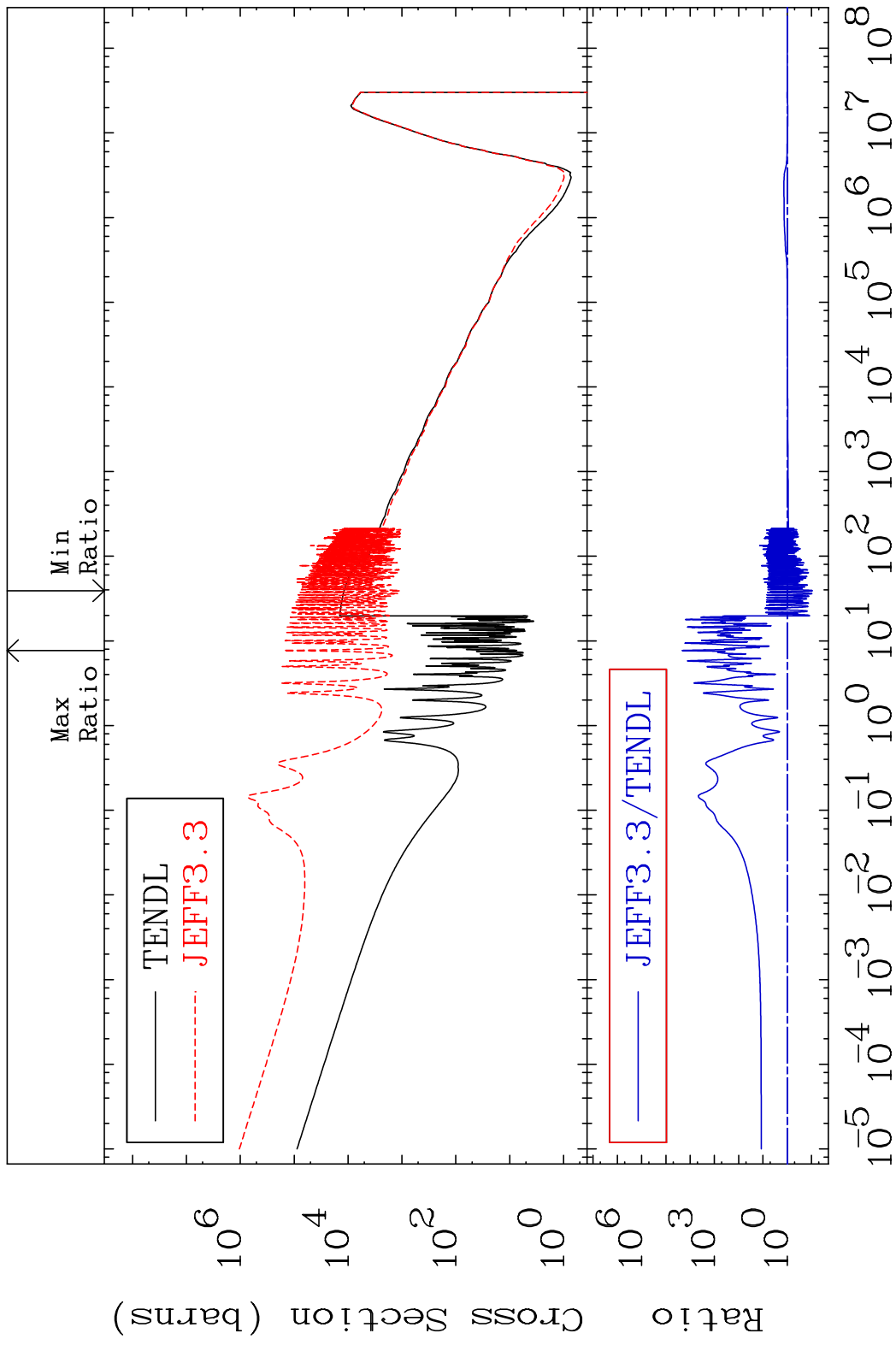
Incident Energy (eV)

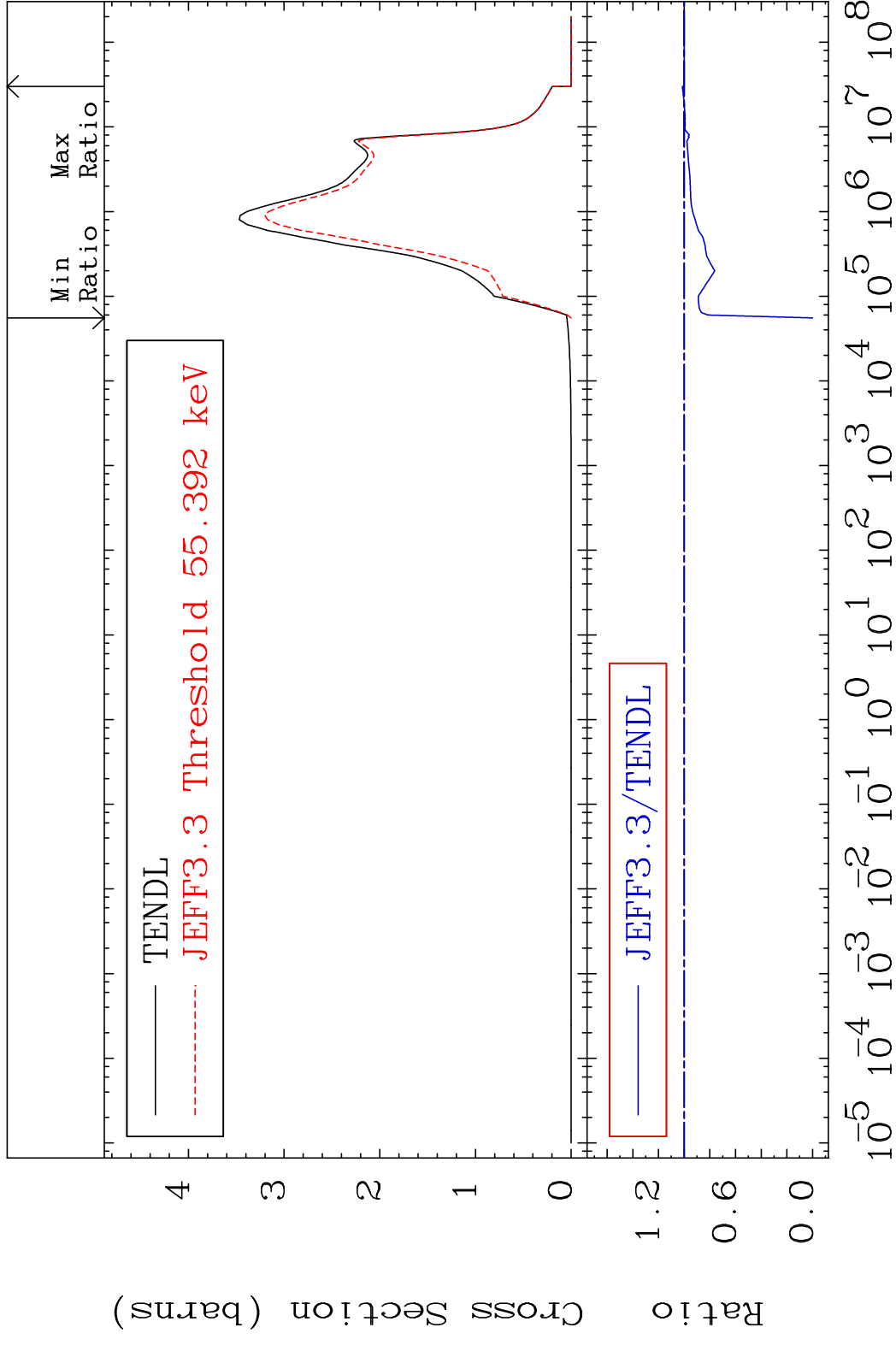
65-Tb-158

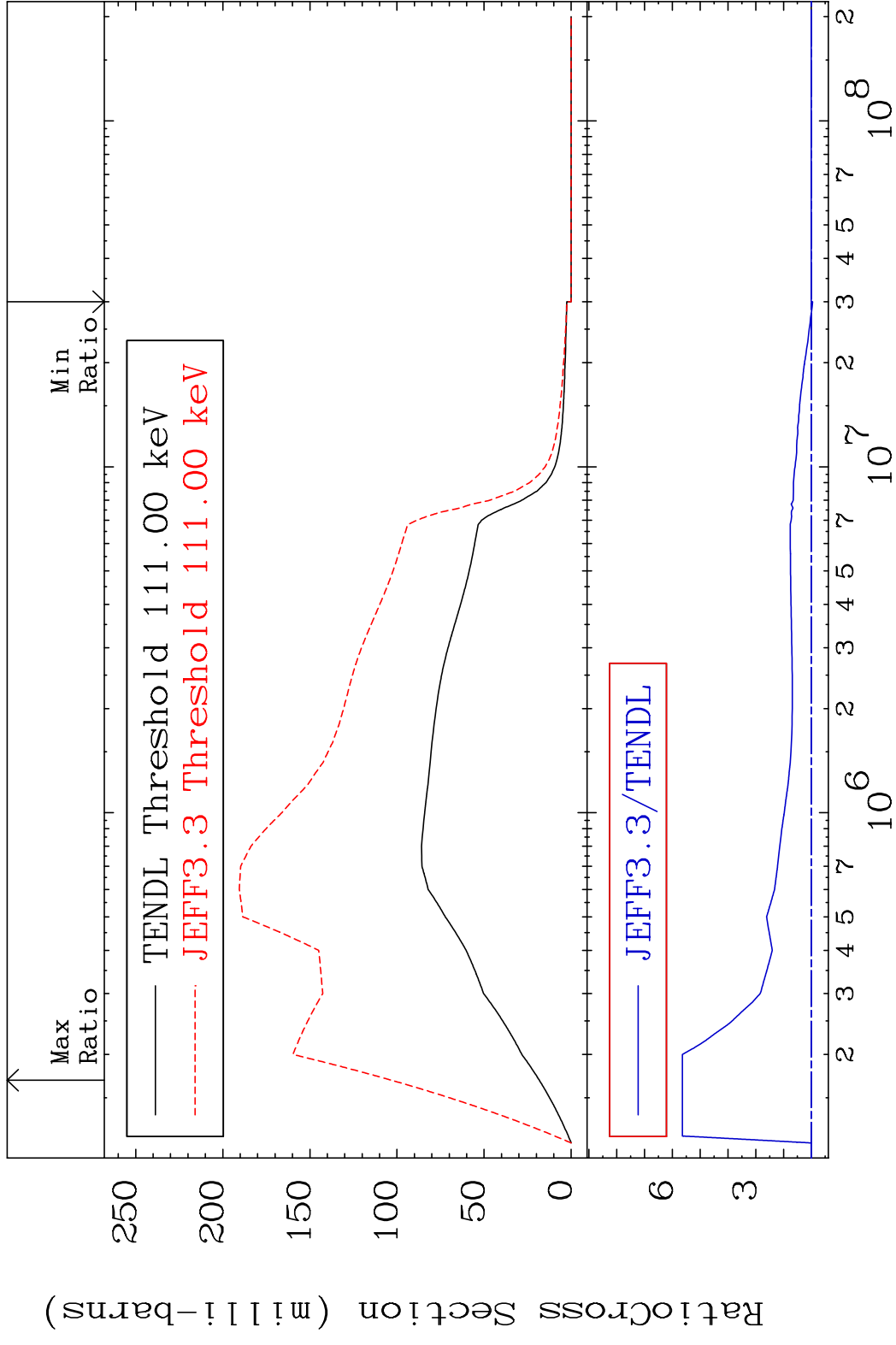
MAT 6522 Dpa inelastic (mt51-91) 65-Tb-158
 Cross Section -18.92 To 0.602 %



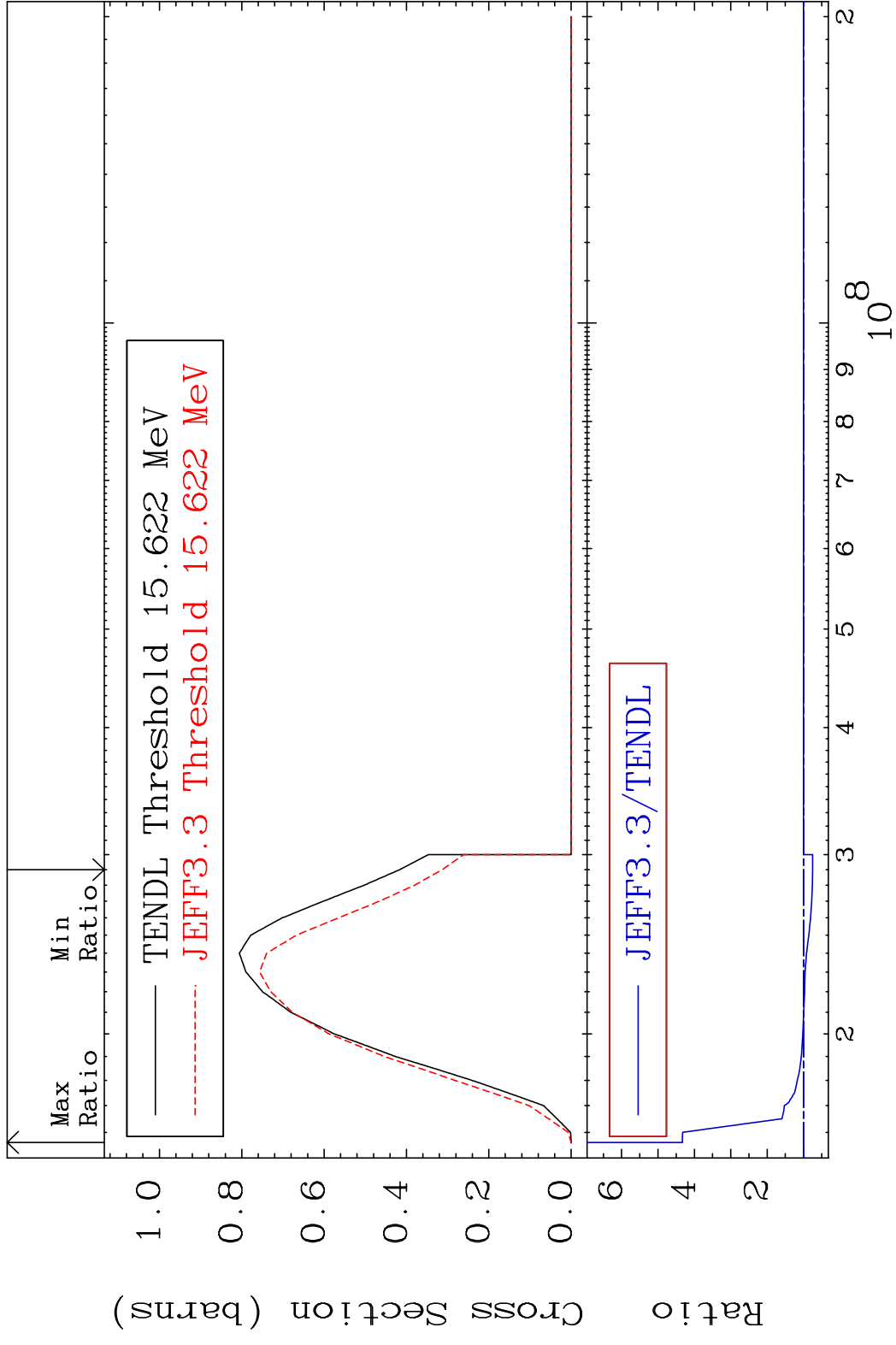
MAT 6522 Dpa disappearance (mt102 -120) 65-Tb-158
 Cross Section -90.96 To 9999. %



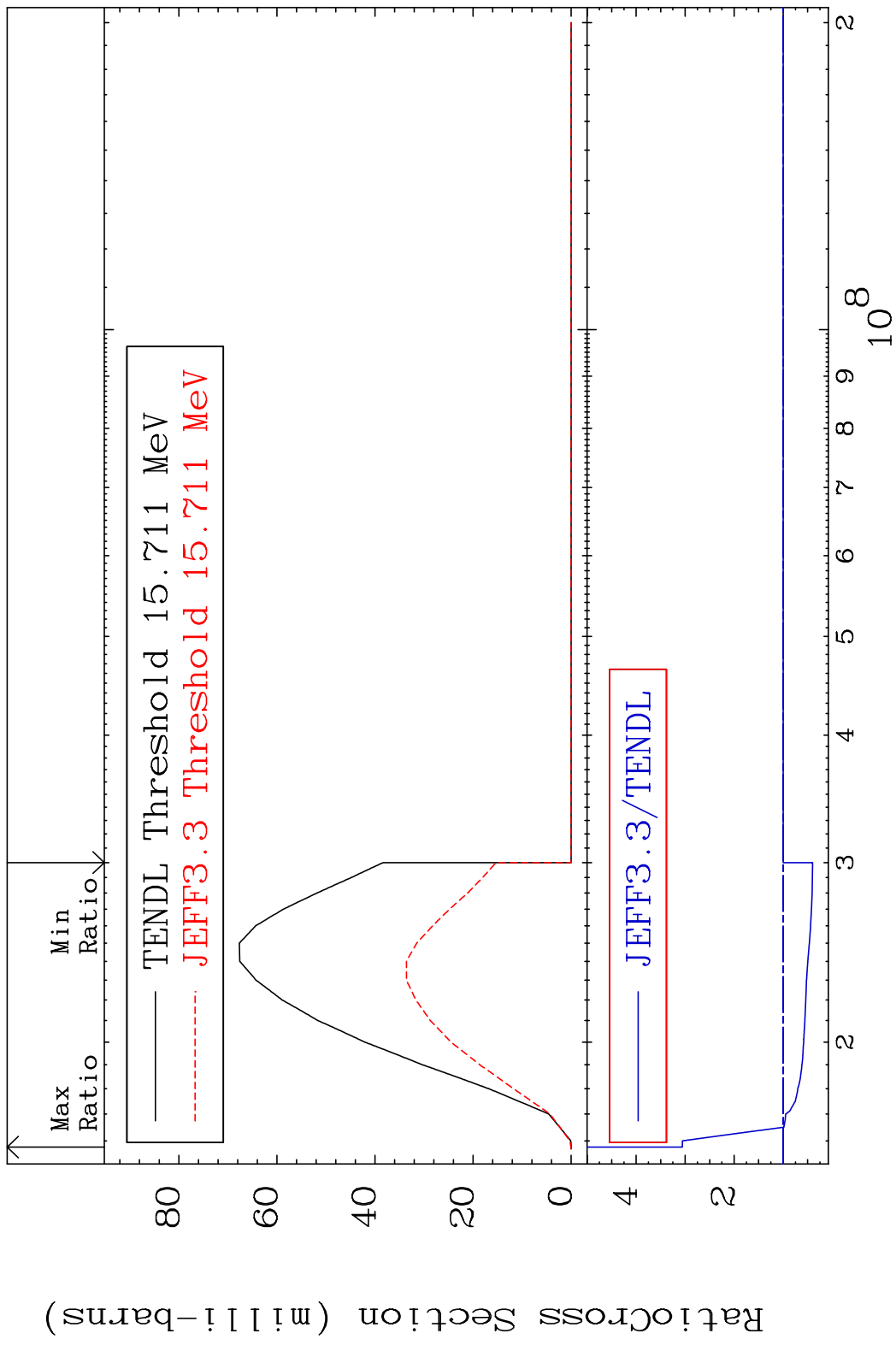




MAT 6522 (n,3n):65-Tb-156g 65-Tb-158
 Radionuclide Production Cross Section 333.0 %



MAT 6522 (n, 3n):65-Tb-156m3 65-Tb-158
 Radionuclide Production Cross Section 205.7 %



80 Incident Energy (eV) 65-Tb-158

