

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

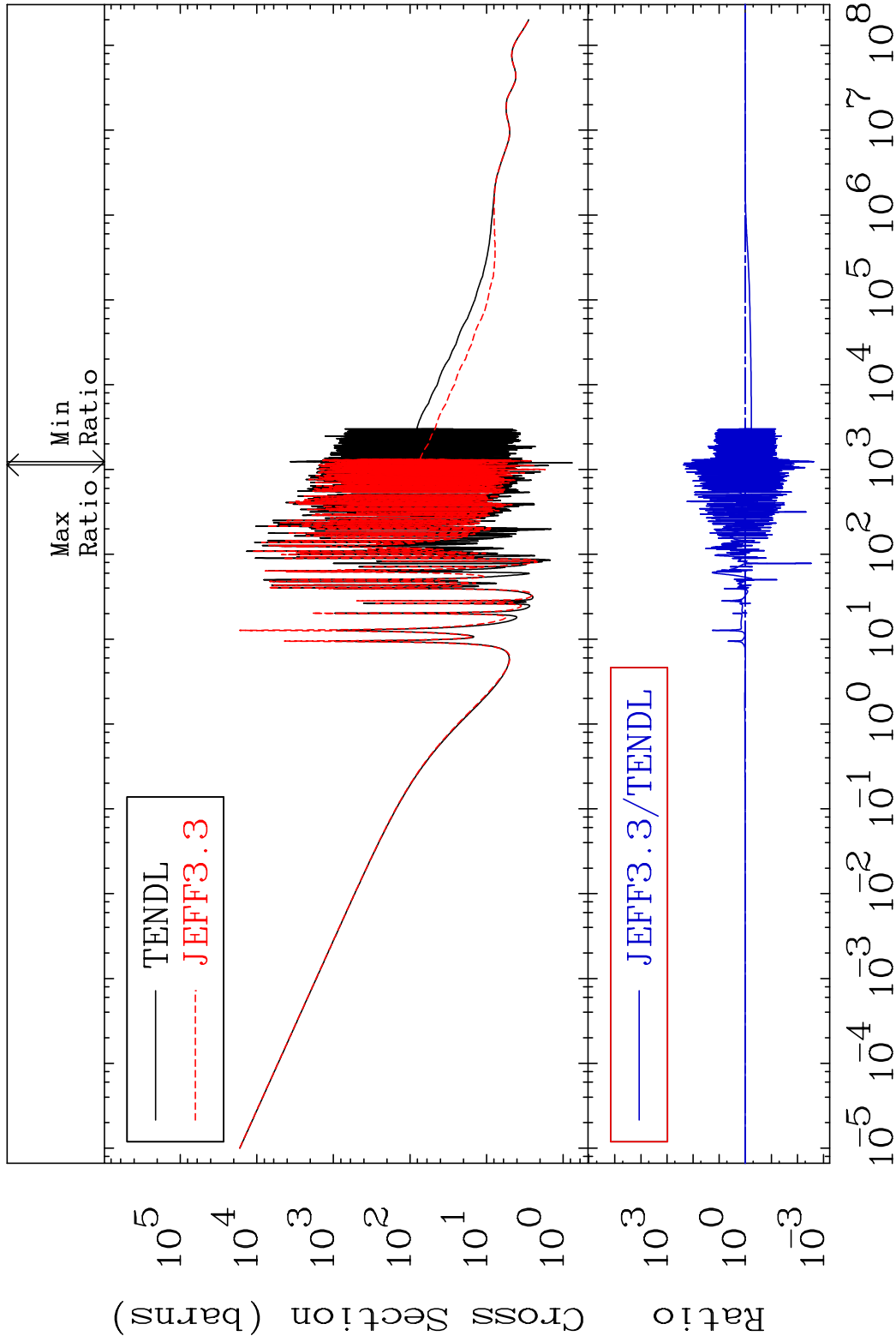
Press Mouse Button to Start

MAT 7634

Total

76-0s-187

Cross Section -99.77 To 9999. %



1

Incident Energy (eV)

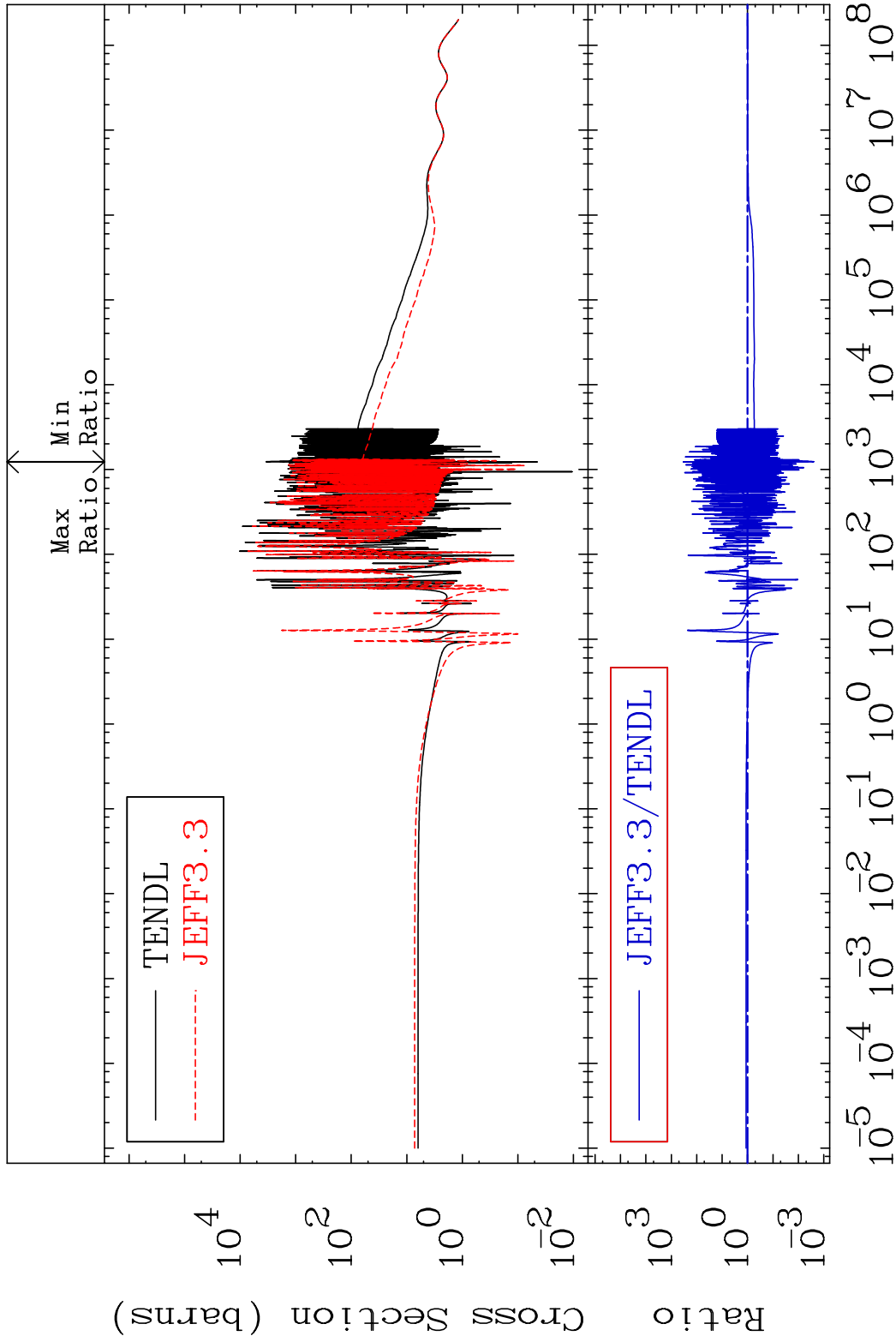
76-0s-187

MAT 7634

Elastic

76-0s-187

Cross Section -99.75 To 9999. %

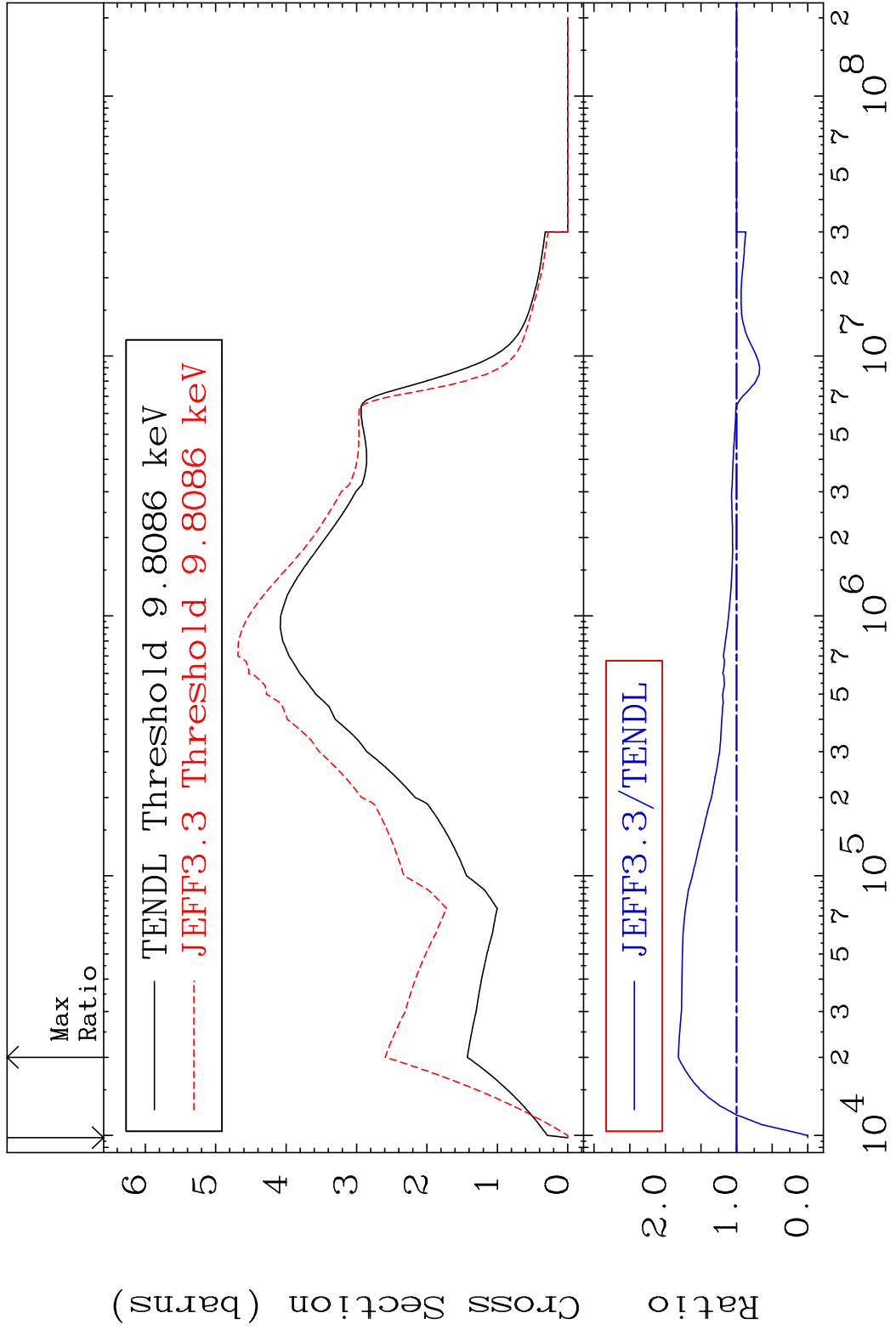


2

Incident Energy (eV)

76-0s-187

MAT 7634 Inelastic 76-0s-187
 Cross Section -100.0 To 81.77 %



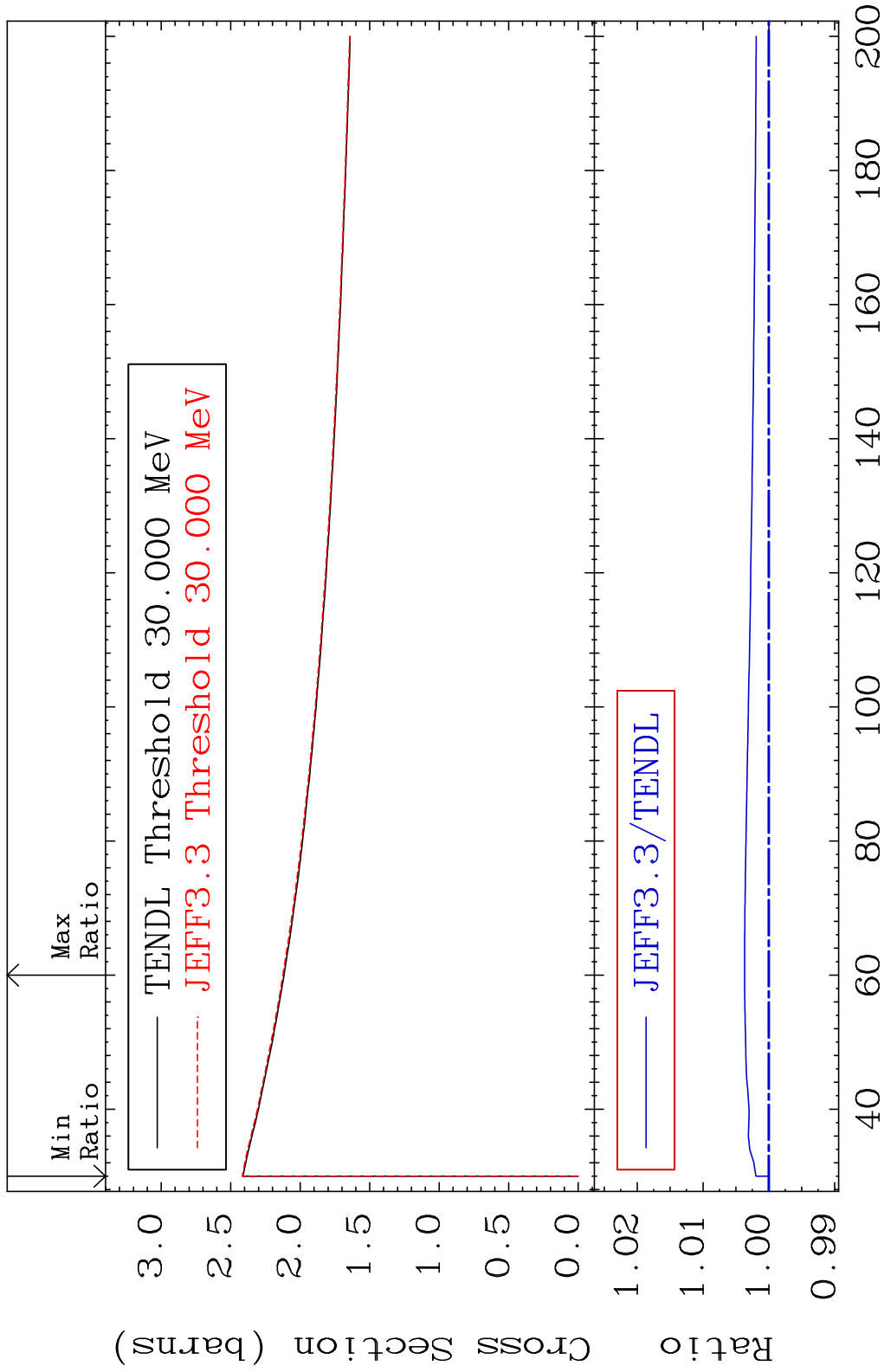
3 Incident Energy (eV) 76-0s-187

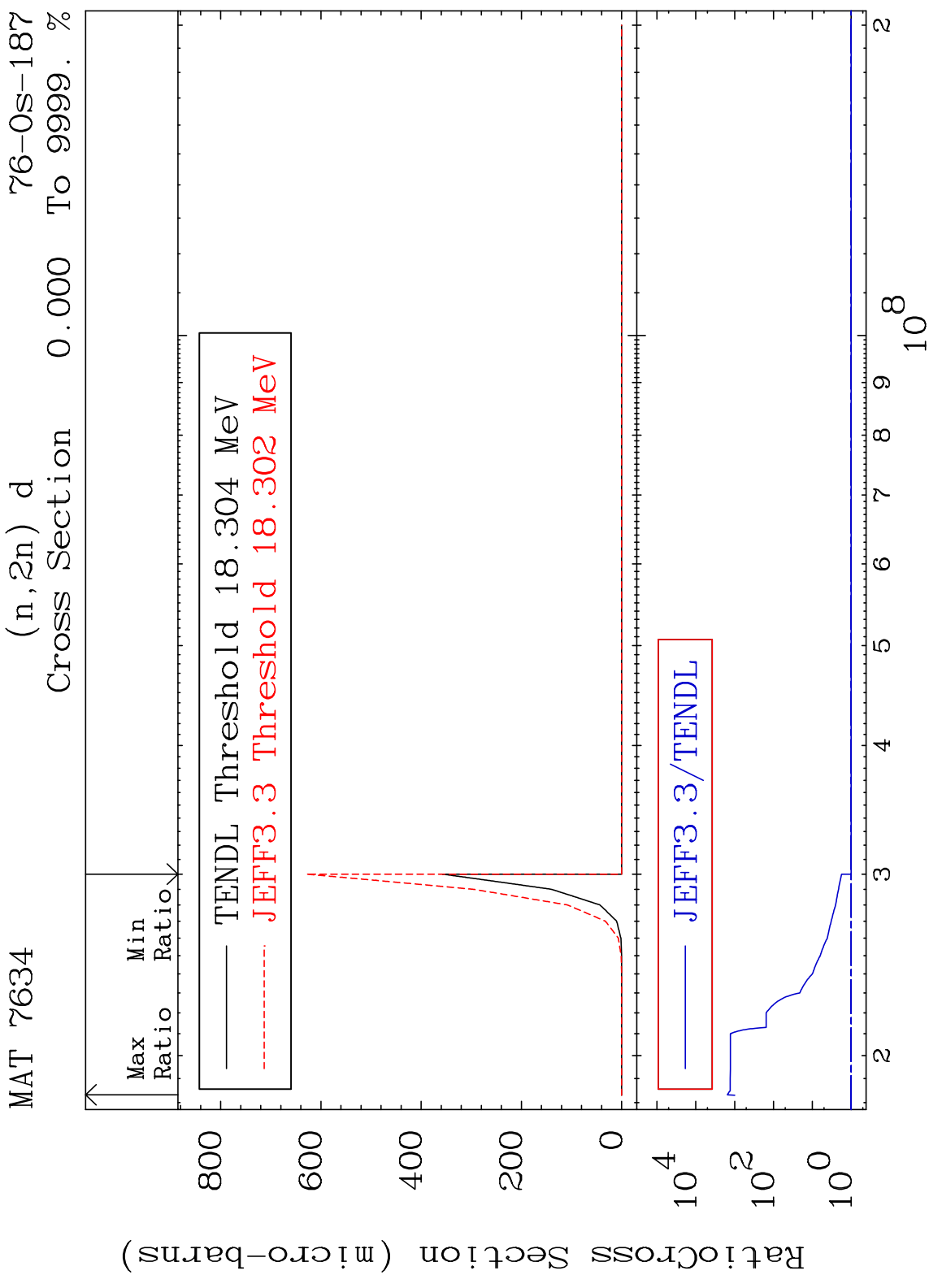
MAT 7634

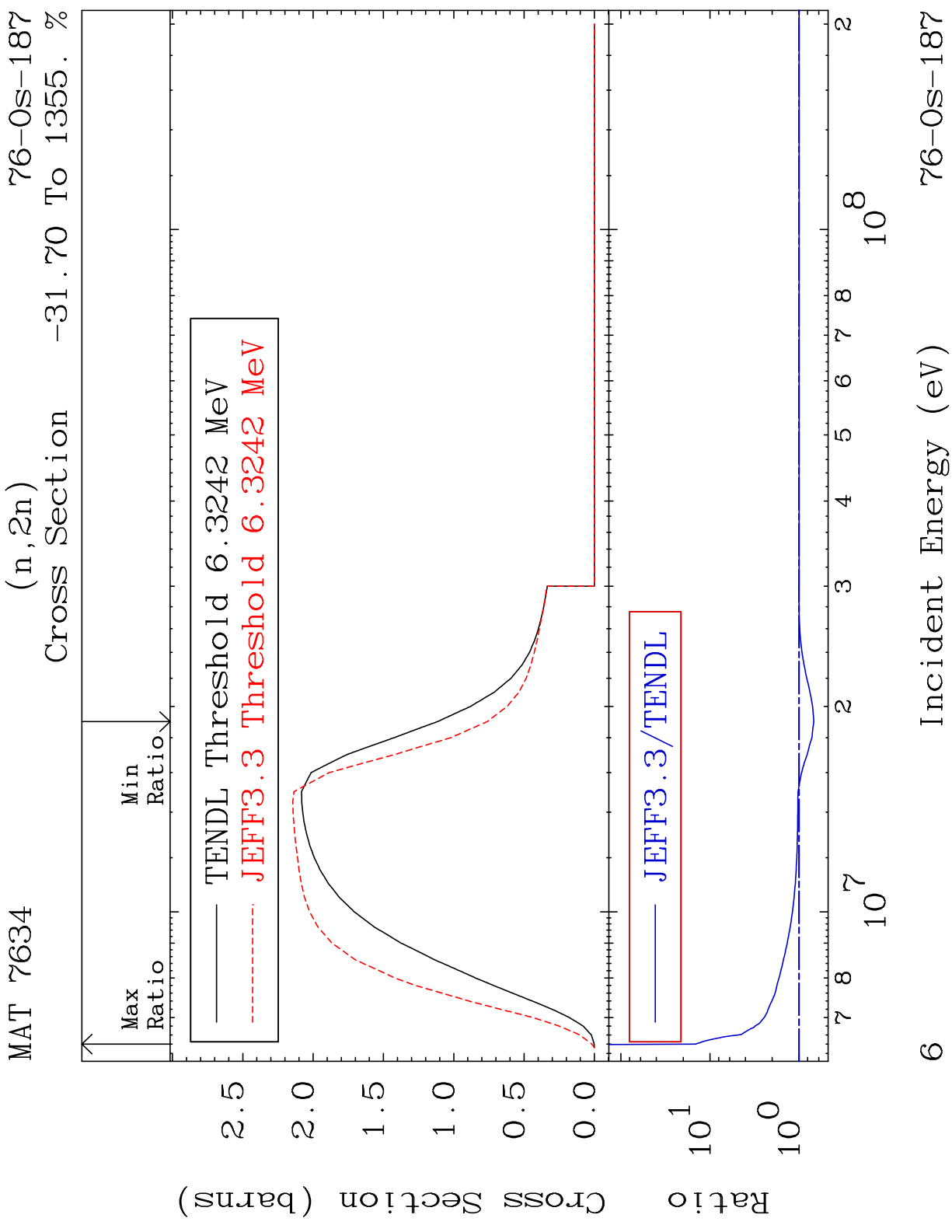
(n, remainder)

76-0s-187

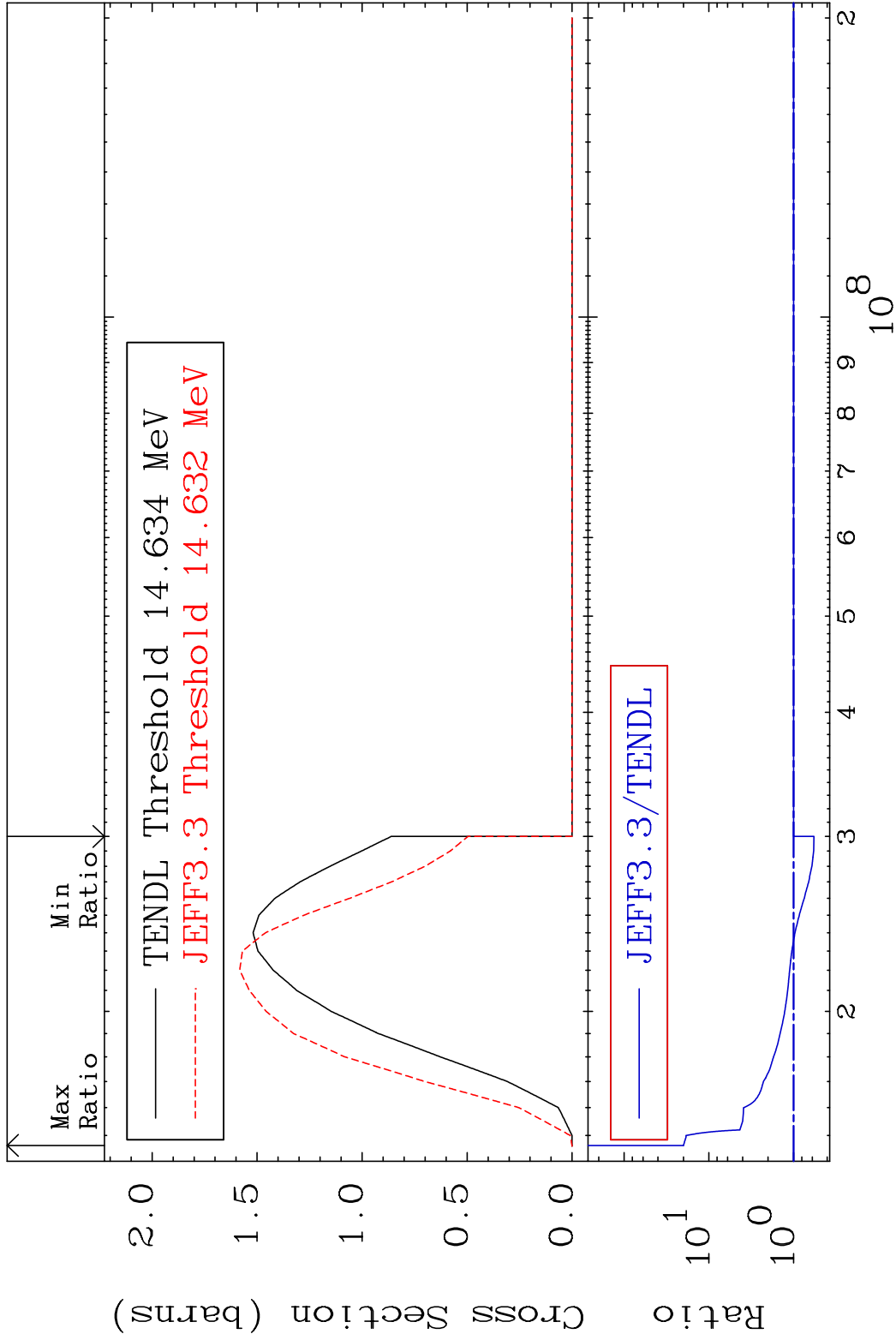
Cross Section 0.000 To 0.367 %







MAT 7634 (n,3n) 76-Os-187
 Cross Section -42.45 To 1896. %

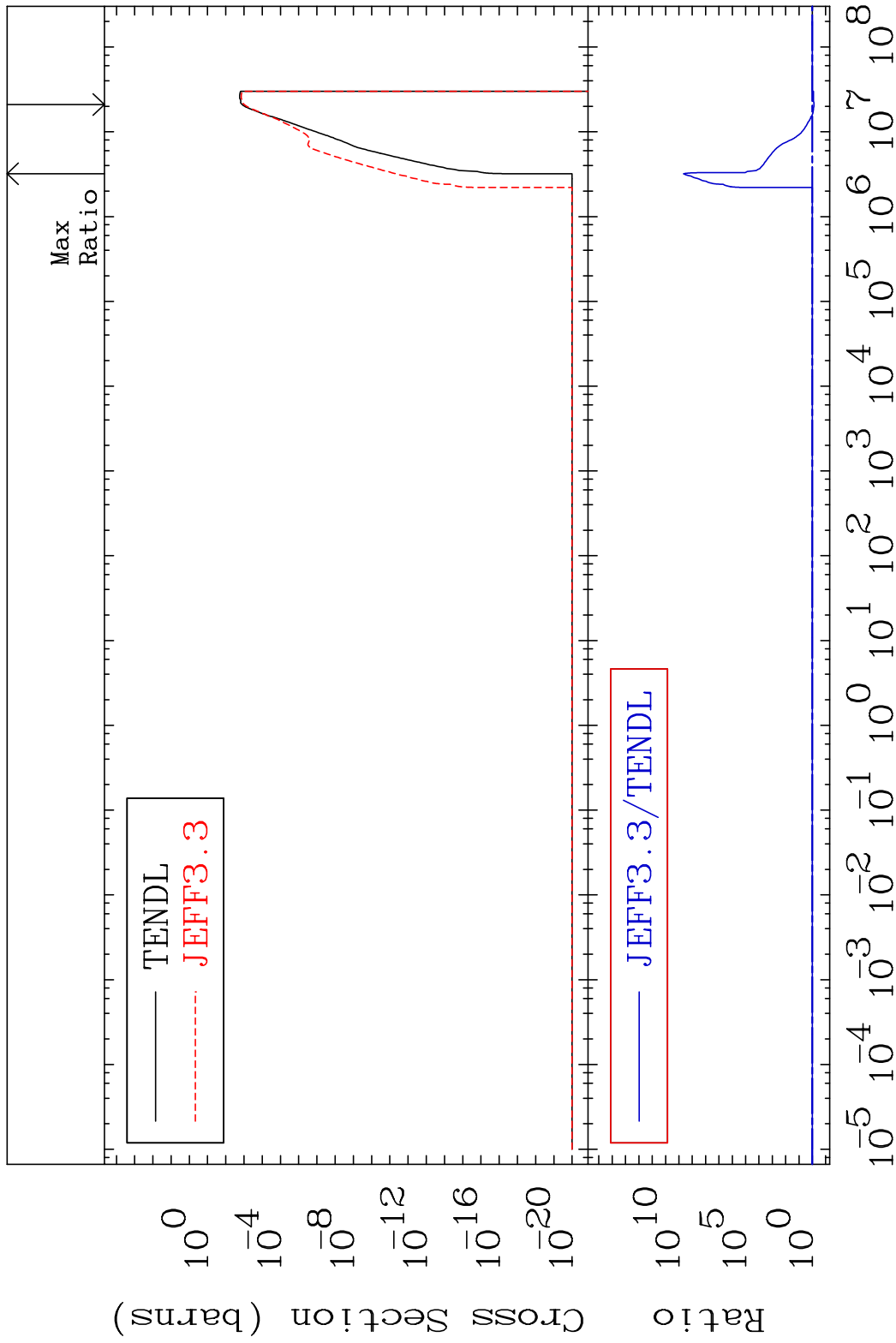


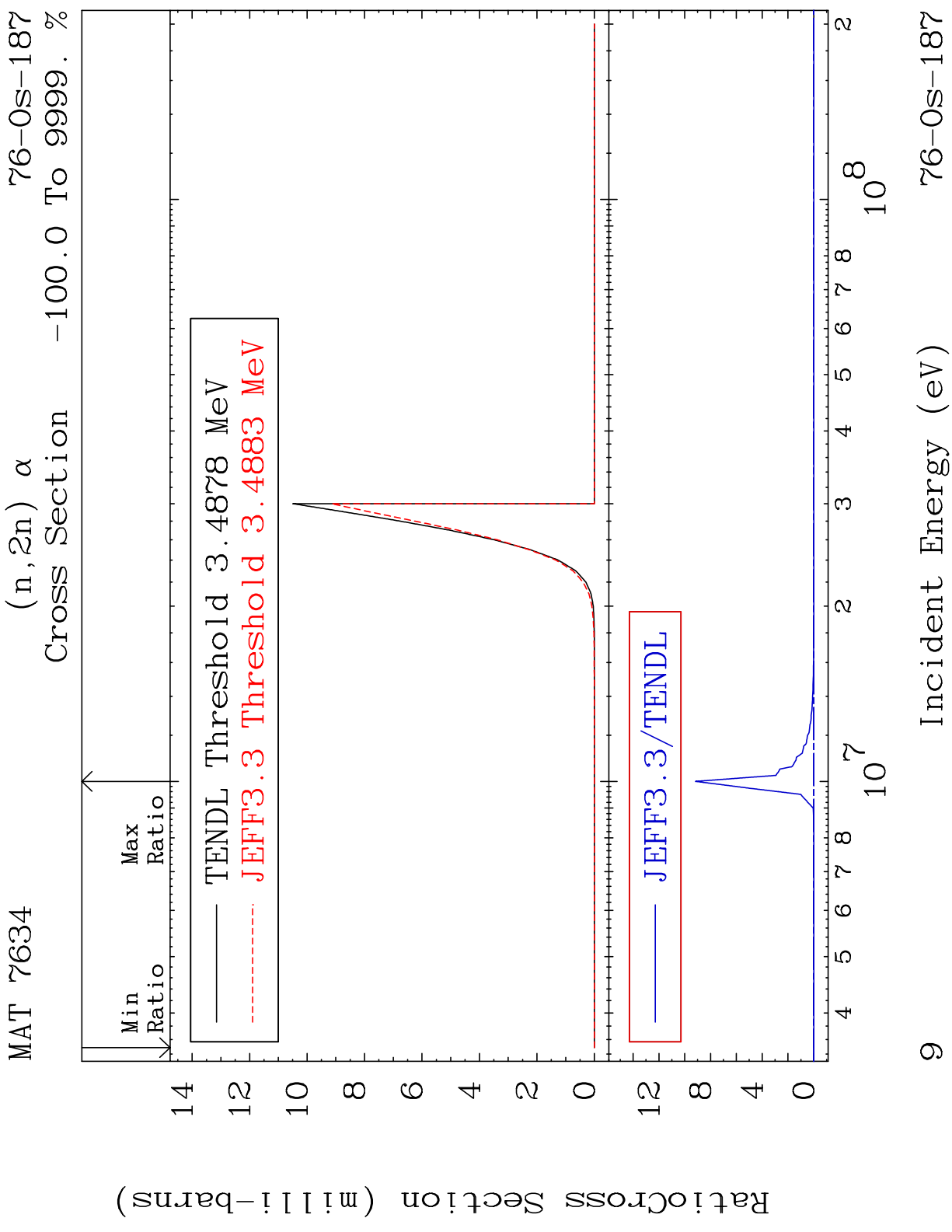
MAT 7634

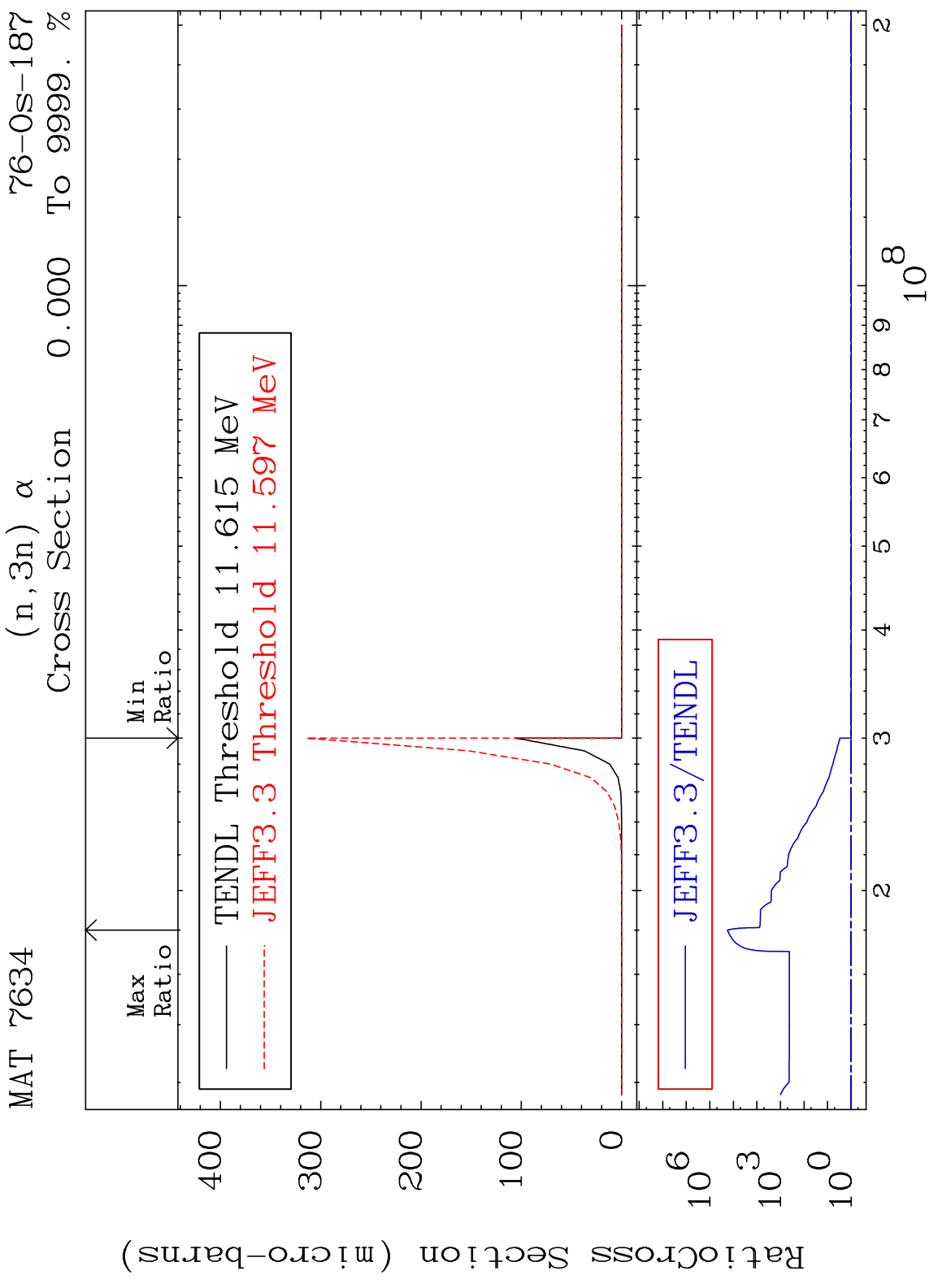
(n, n') α

76-Os-187

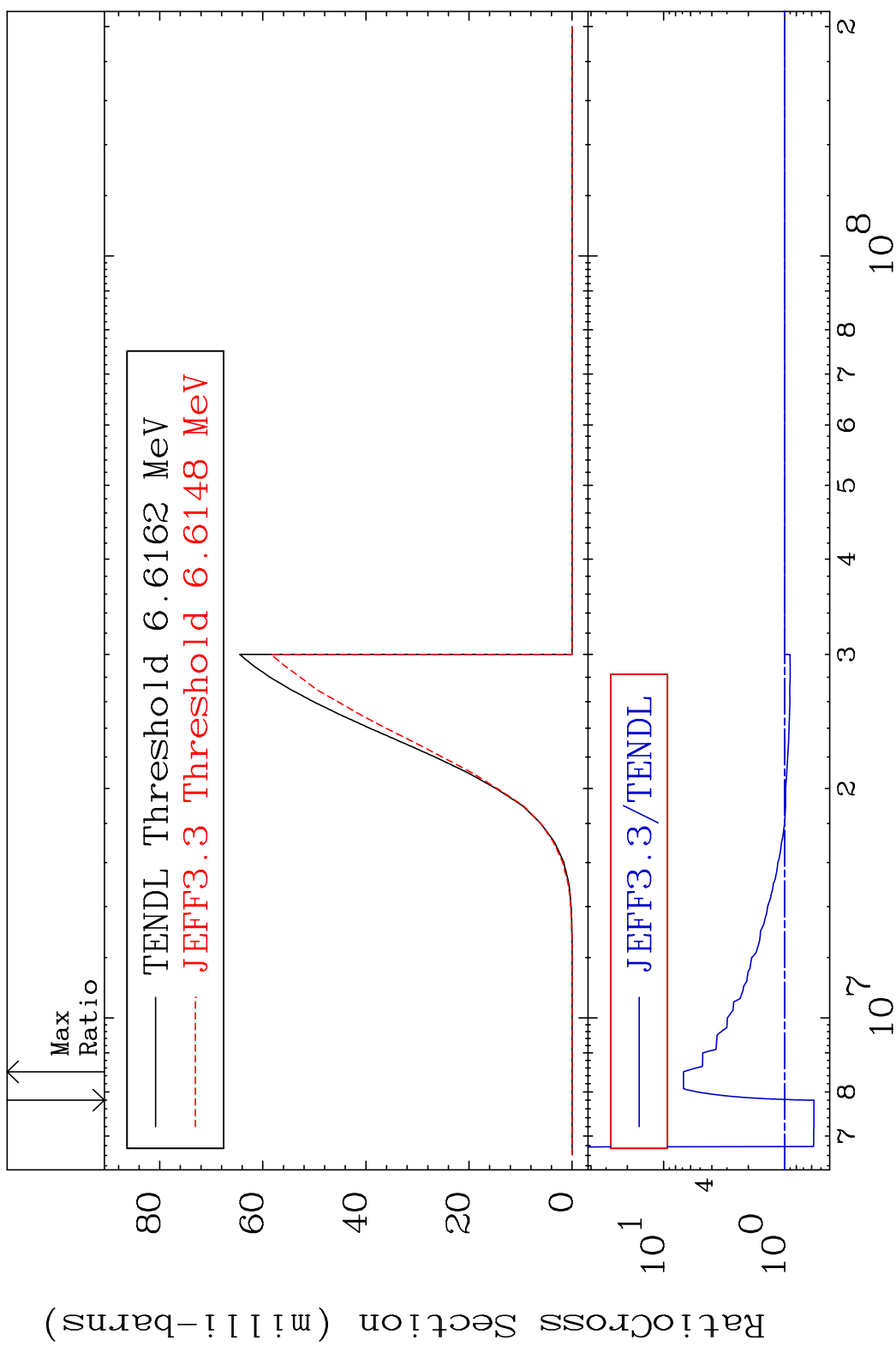
Cross Section -23.27 To 9999. %







MAT 7634 (n, n') p 76-0s-187
 Cross Section -42.62 To 586.9 %



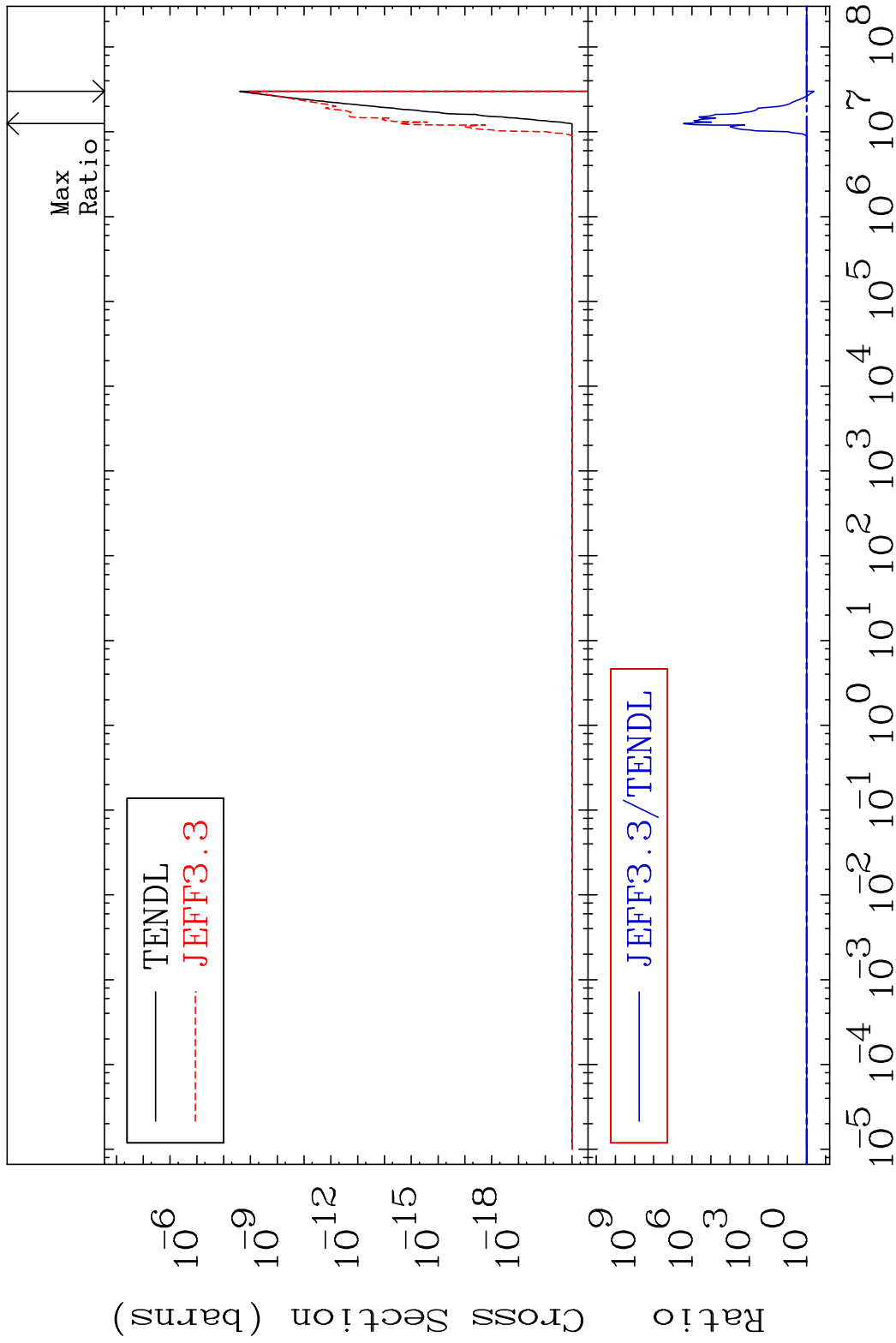
11 76-0s-187

MAT 7634

(n, n') 2α

76-Os-187

Cross Section -58.61 To 9999. %

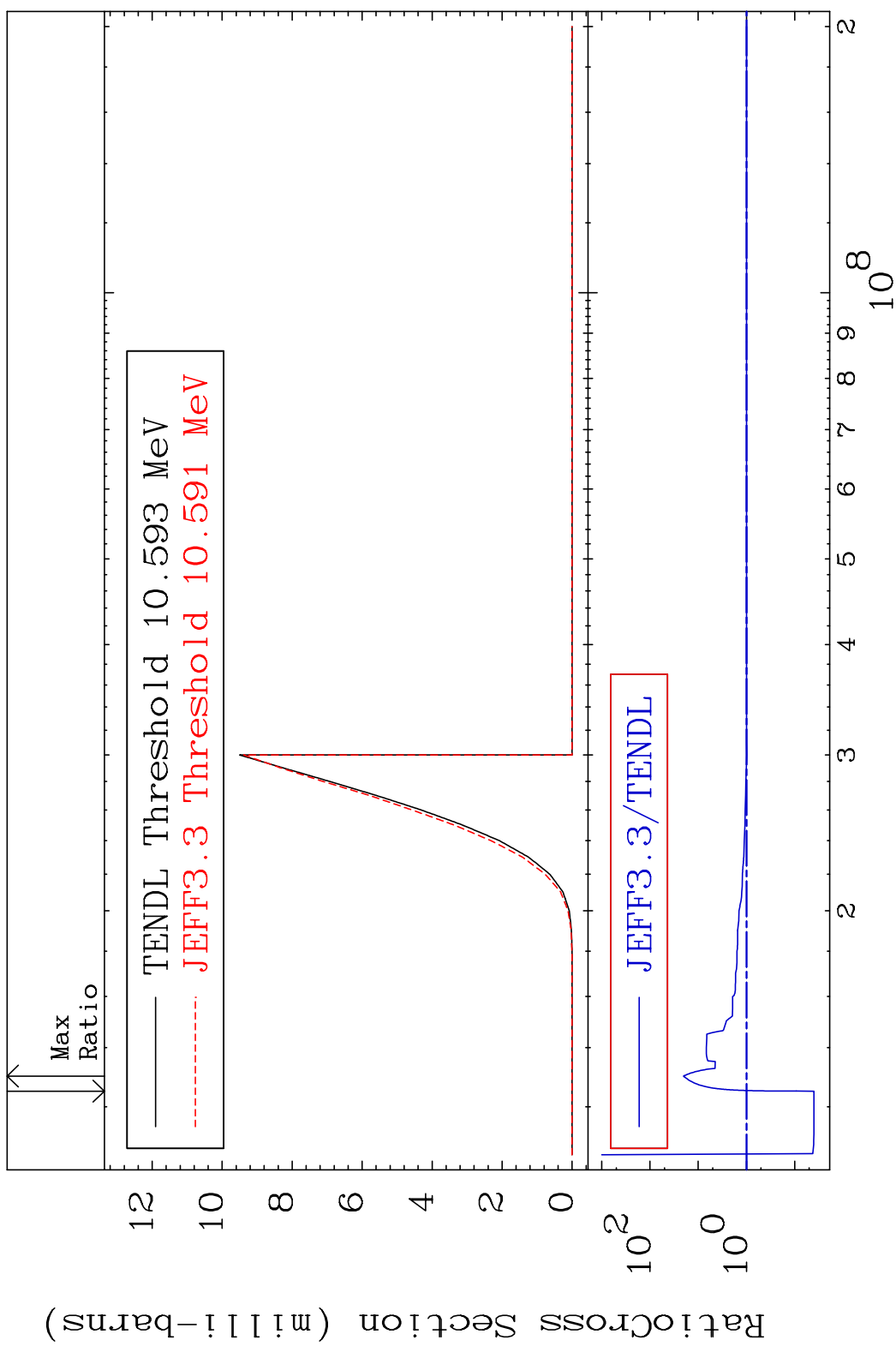


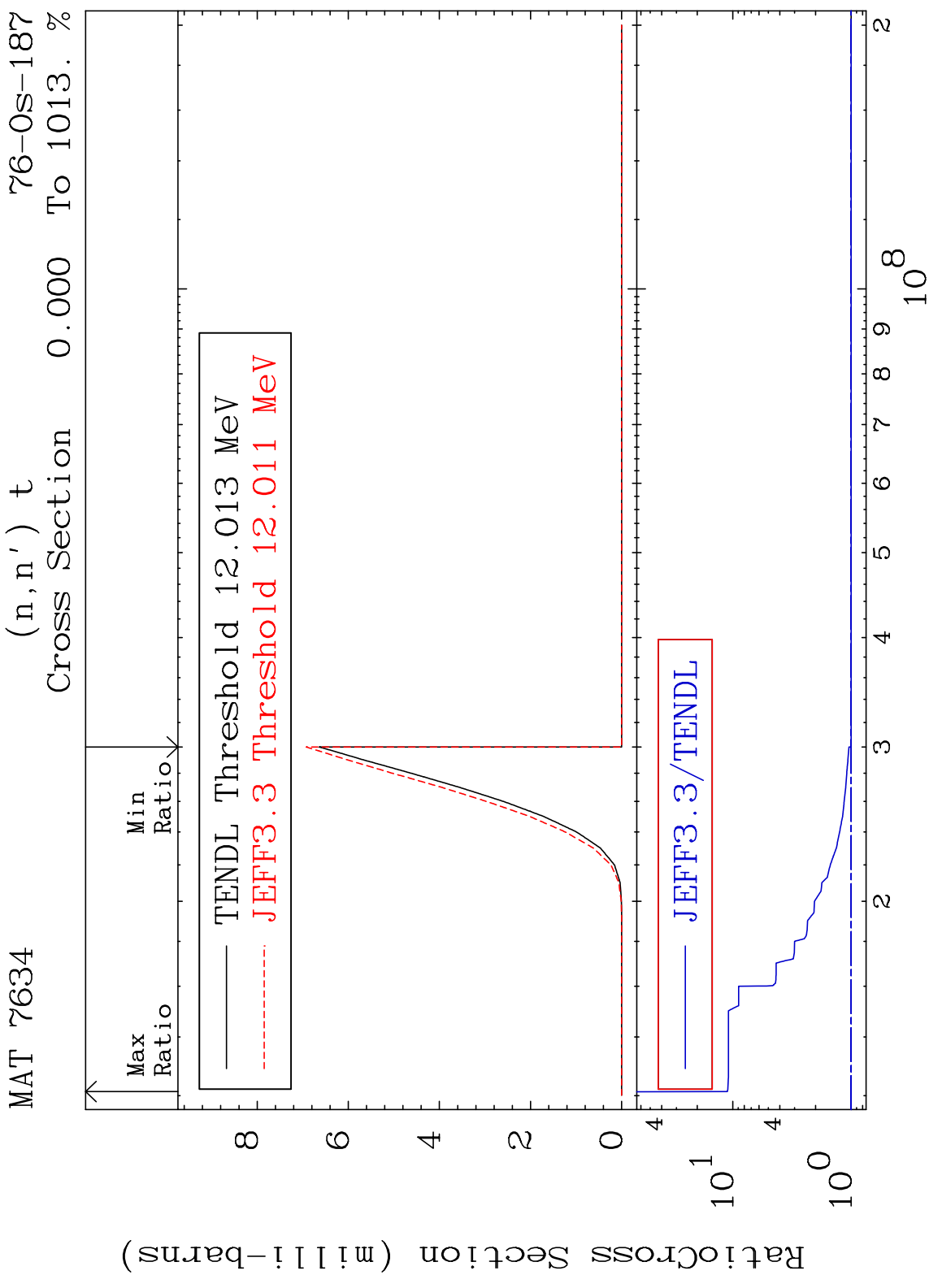
12

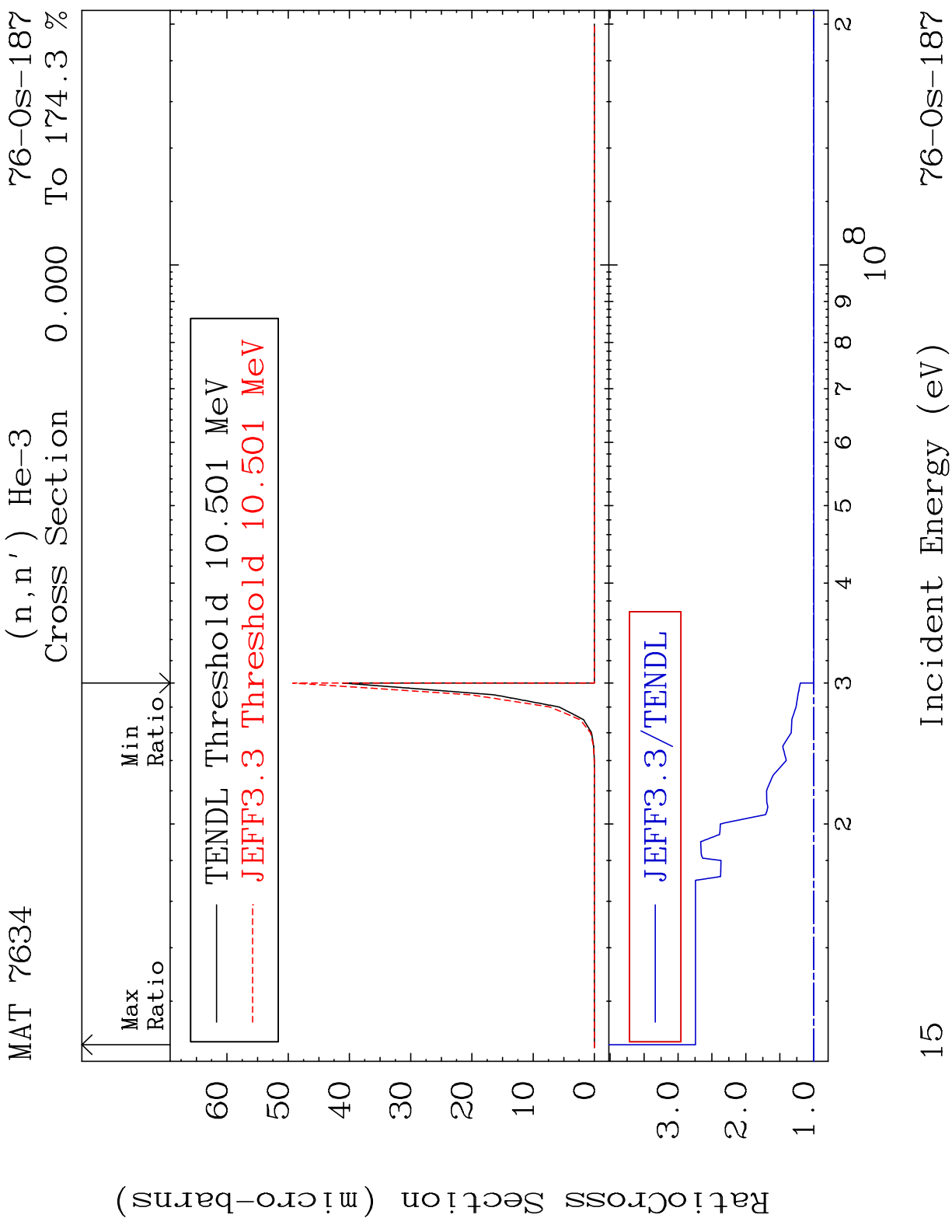
Incident Energy (eV)

76-Os-187

MAT 7634 (n, n') d 76-0s-187
 Cross Section -96.00 To 1922. %





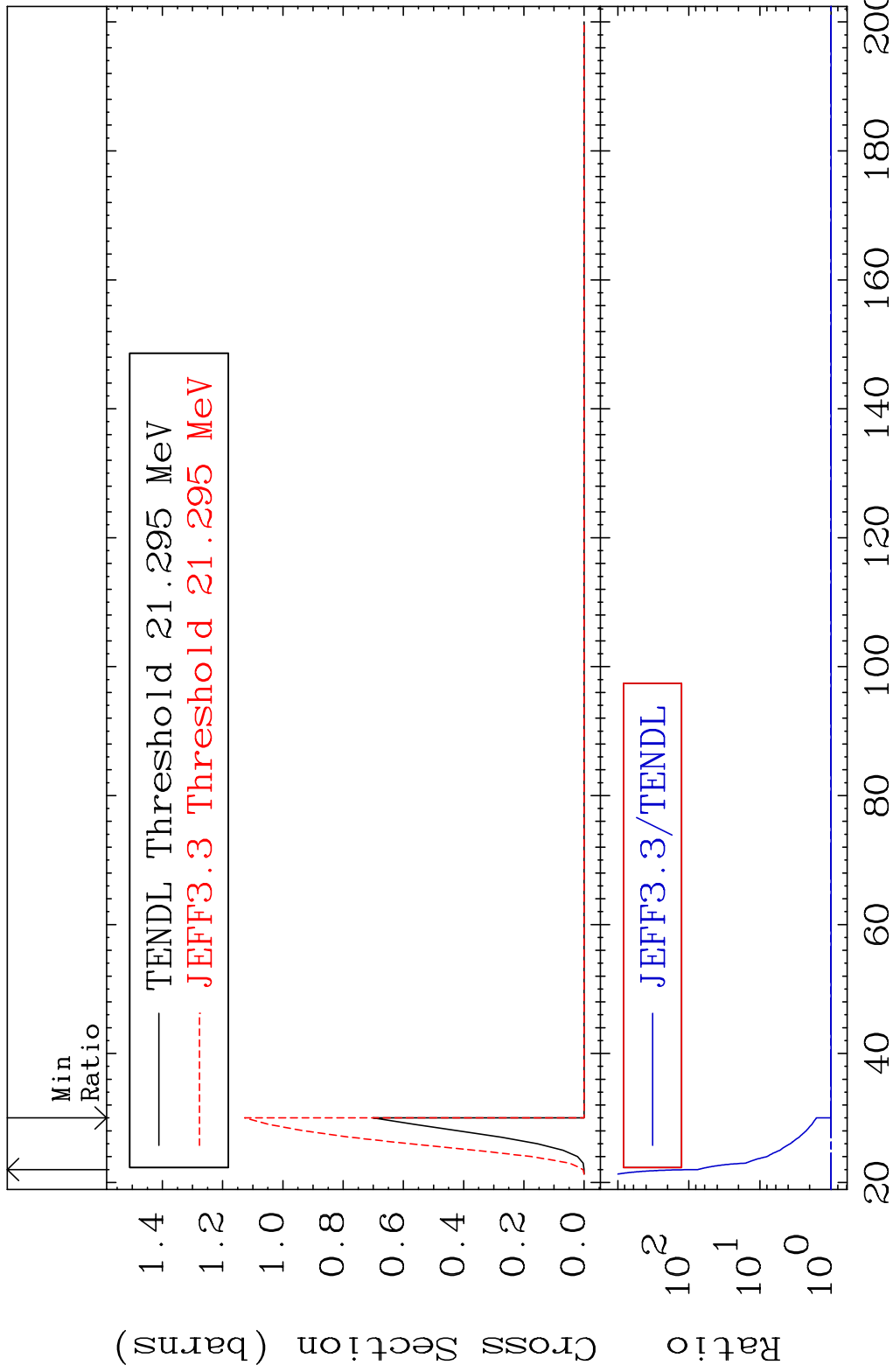


MAT 7634

(n,4n)

76-Os-187

Cross Section 0.000 To 7374. %

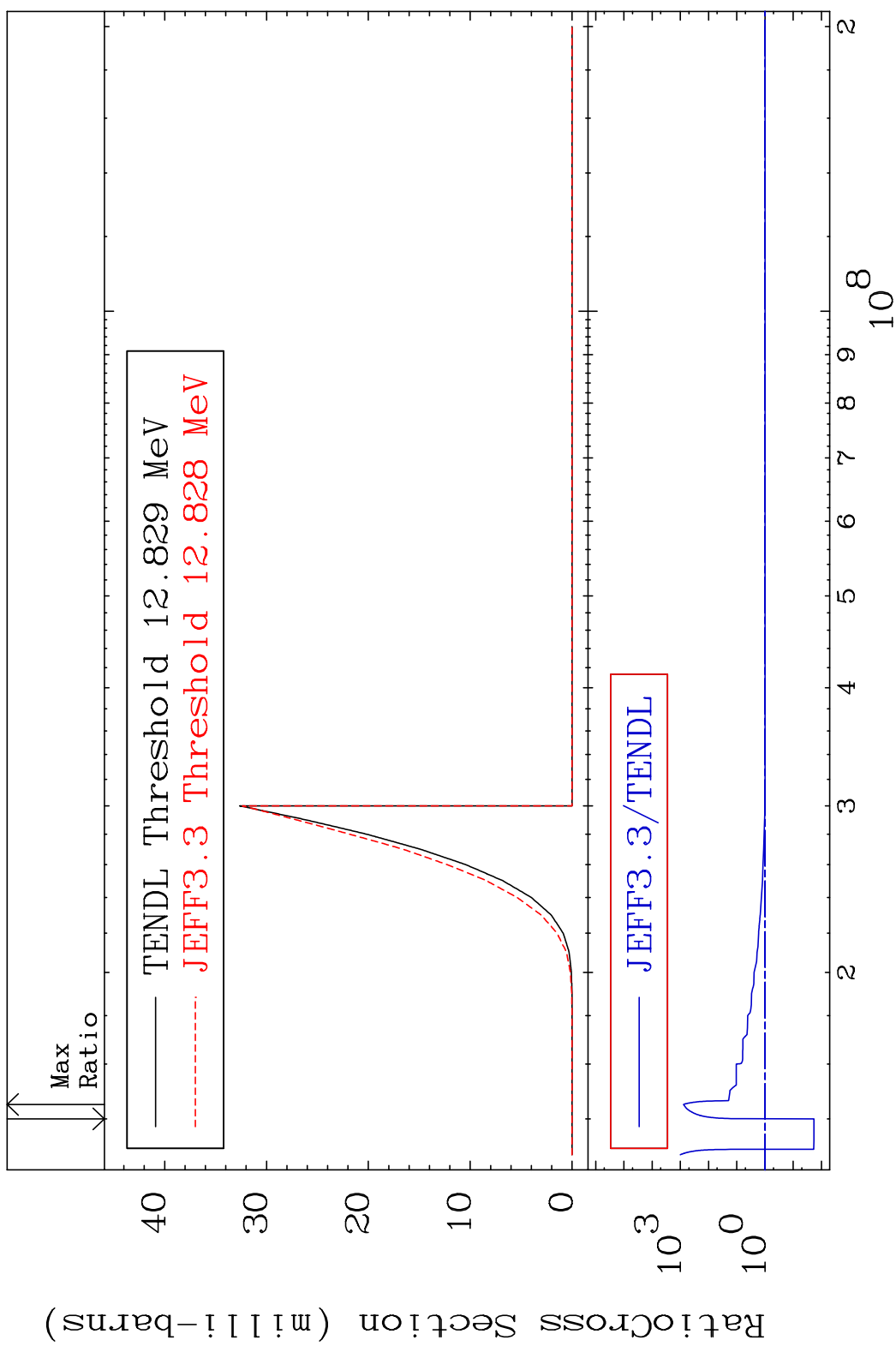


16

Incident Energy (MeV)

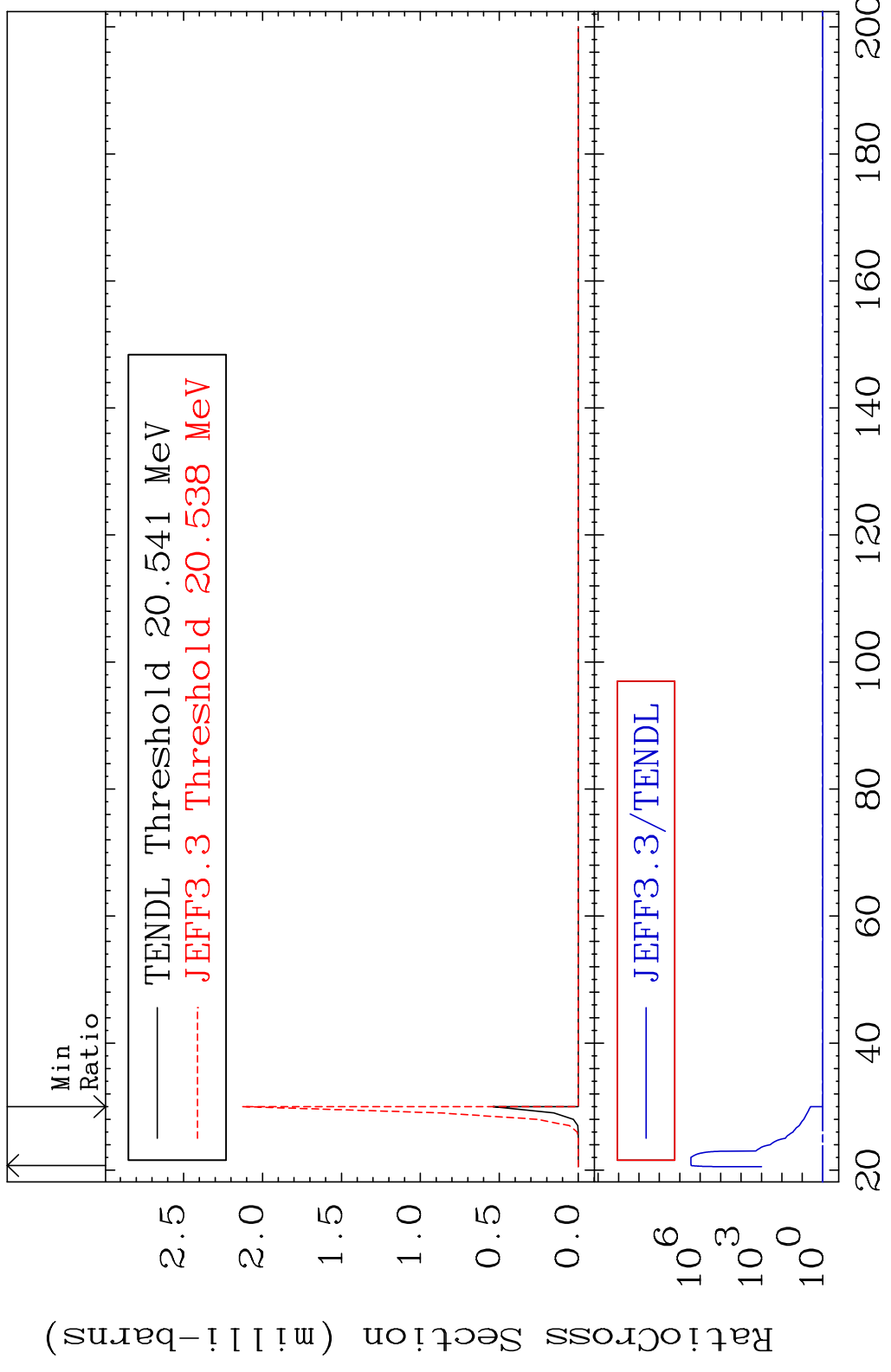
76-Os-187

MAT 7634 (n,2n) p 76-0s-187
 Cross Section -98.15 To 9999. %



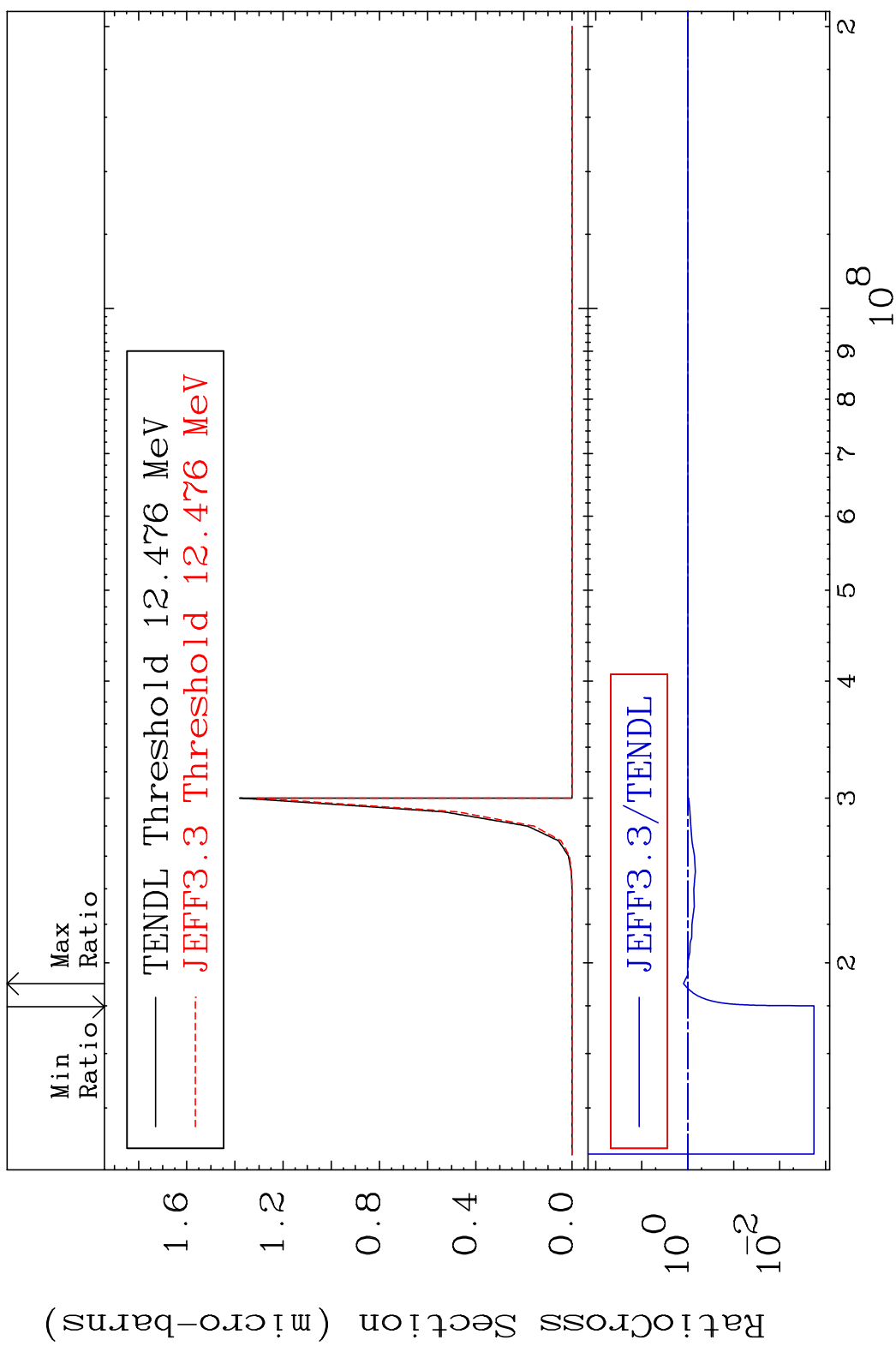
17 Incident Energy (eV) 76-0s-187

MAT 7634 (n,3n) p 76-0s-187
 Cross Section 0.000 To 9999. %

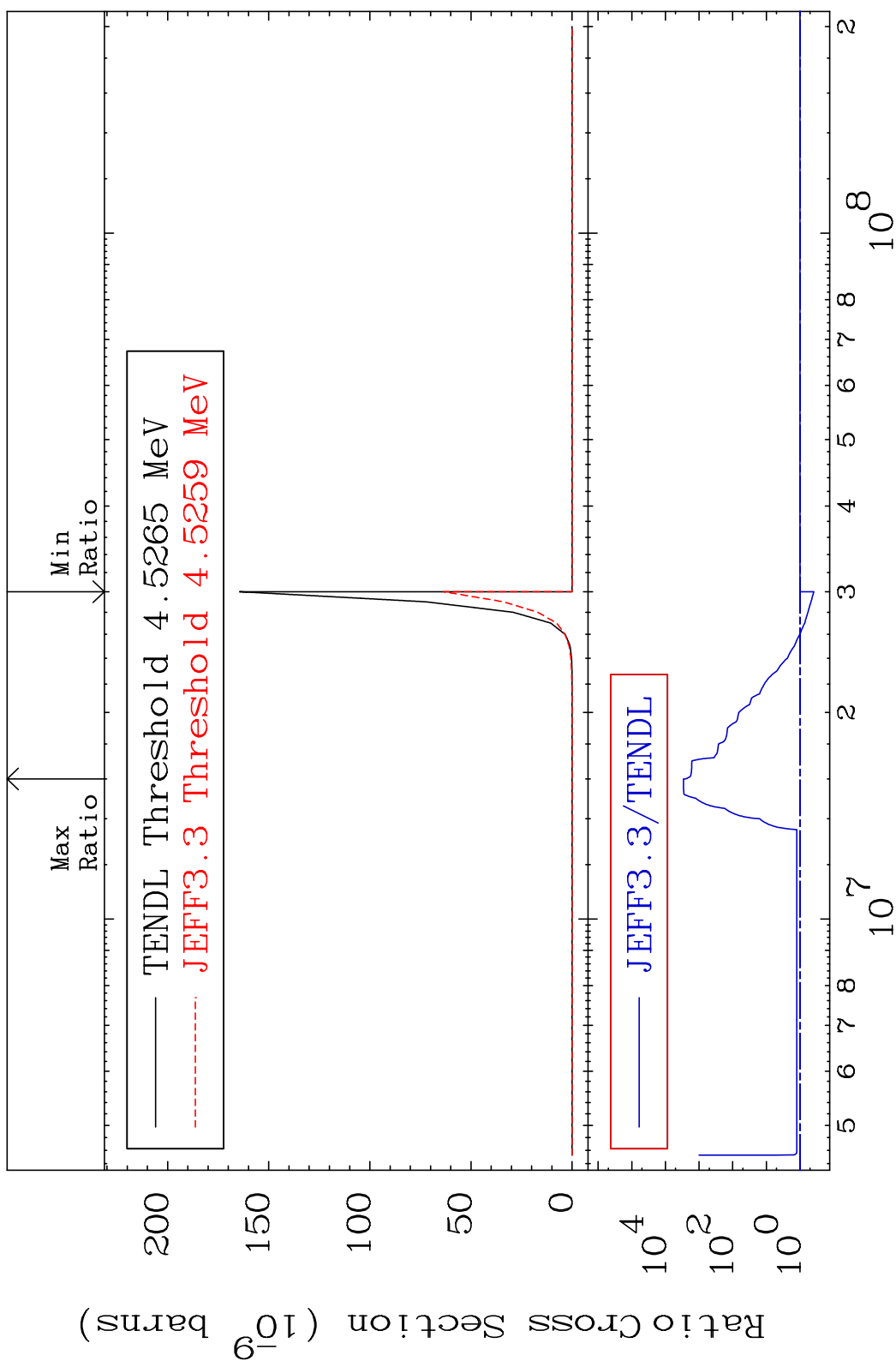


18 Incident Energy (MeV) 76-0s-187

MAT 7634 (n,2n) p 76-0s-187
 Cross Section -99.82 To 23.85 %

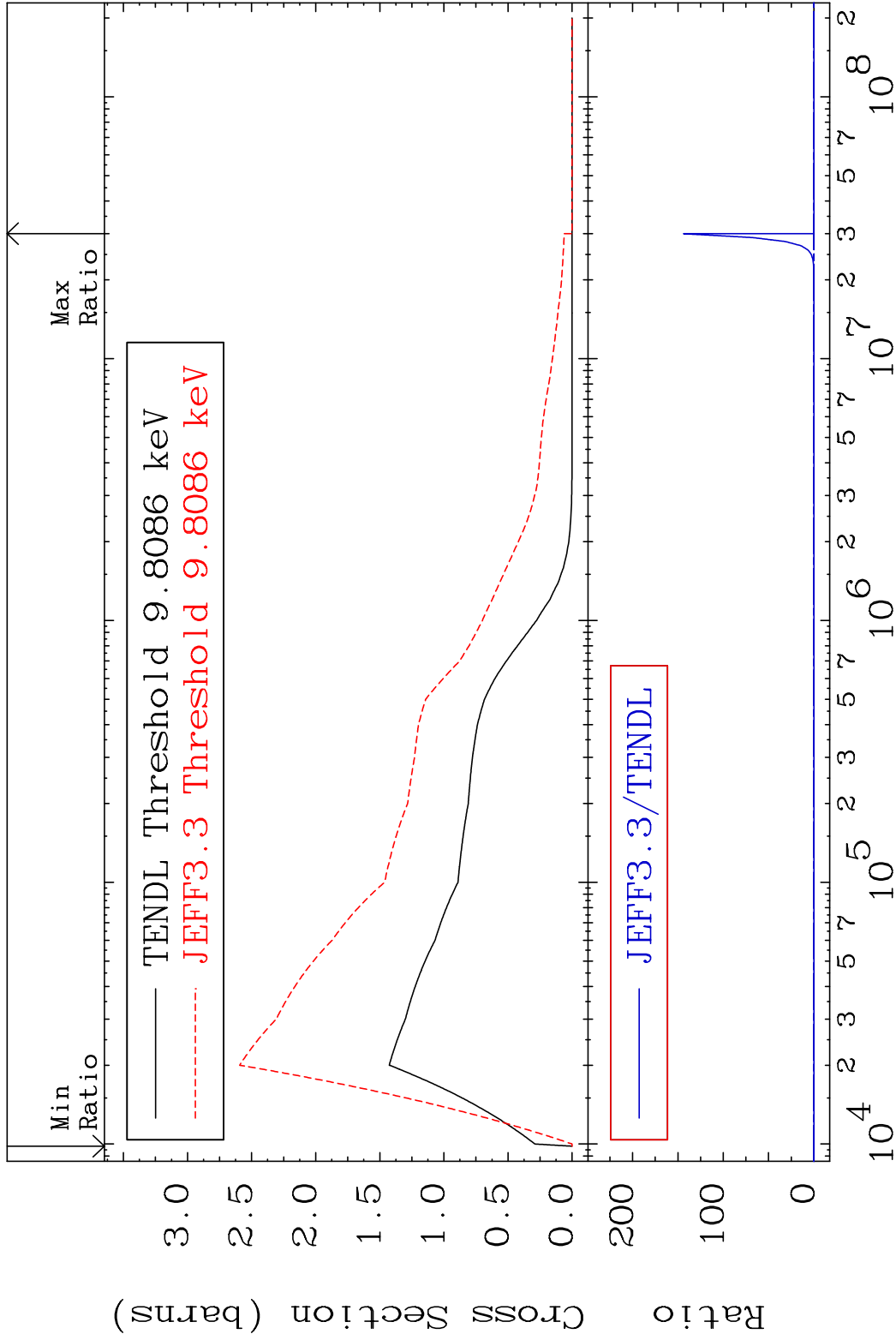


MAT 7634 (n, n') p α 76-Os-187
 Cross Section -61.33 To 9999. %



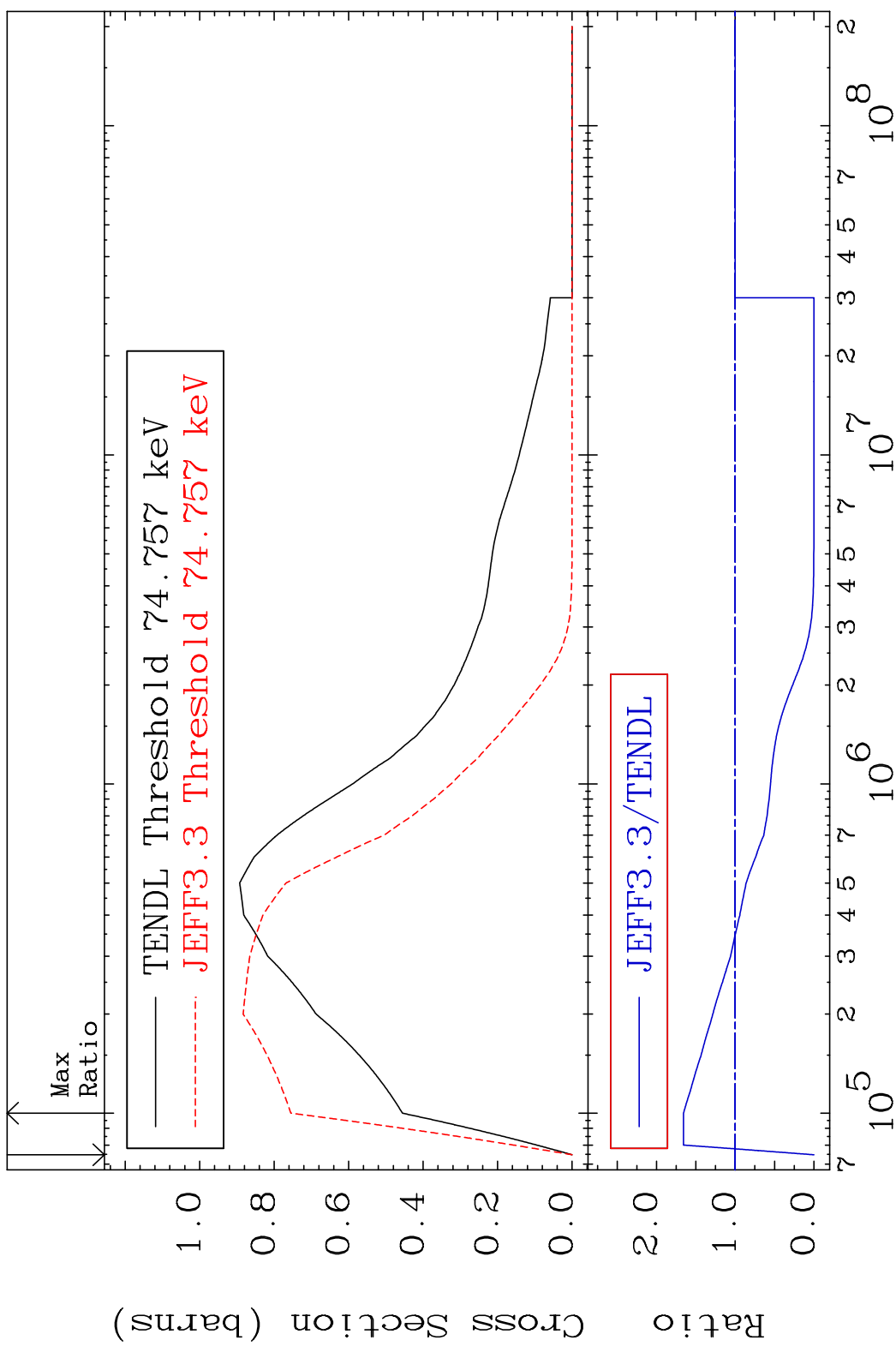
20 Incident Energy (eV) 76-Os-187

MAT 7634 MT= 51 (n, n') Level 76-0s-187
 Cross Section -100.0 To 9999. %

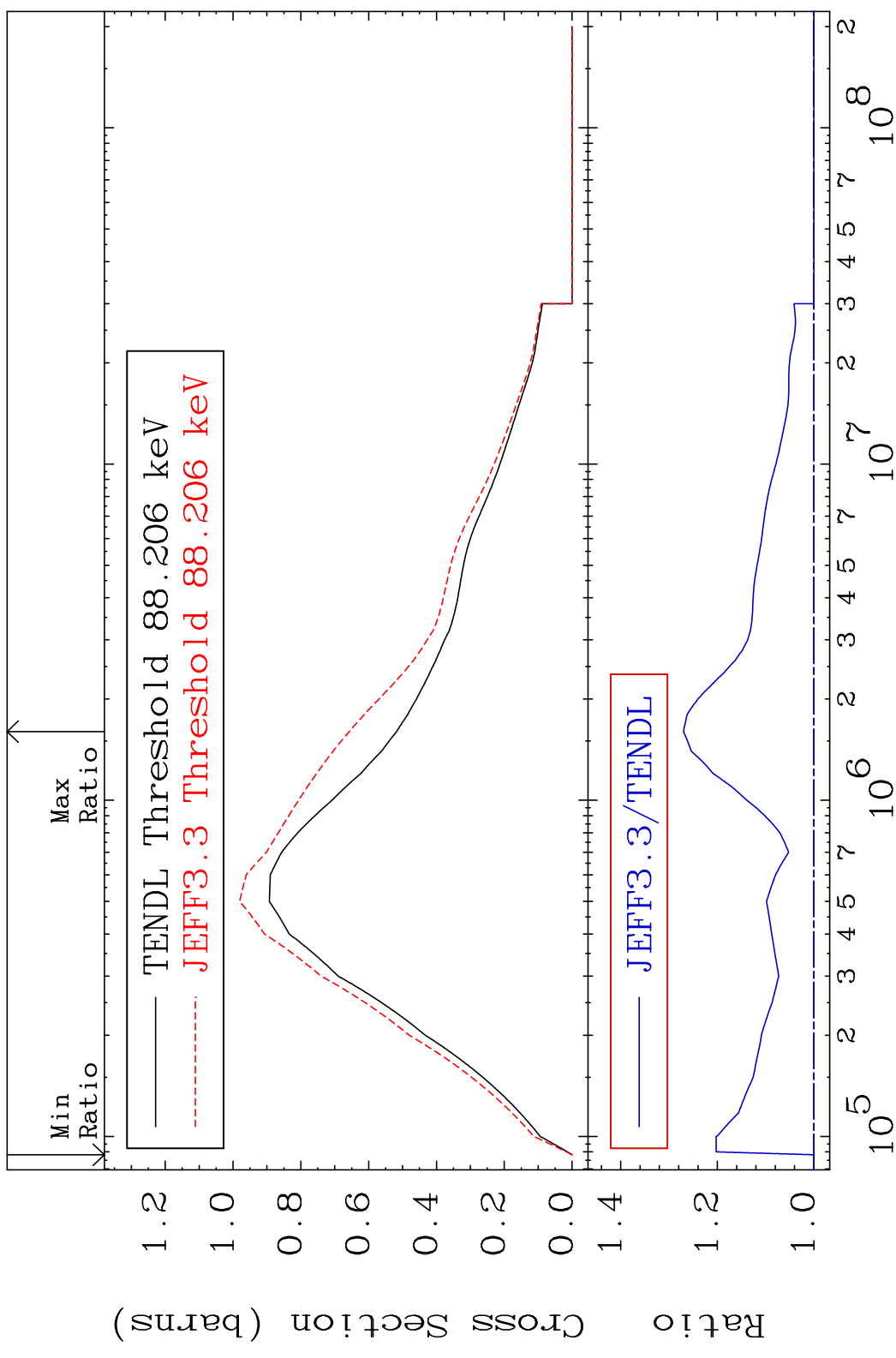


21 Incident Energy (eV) 76-0s-187

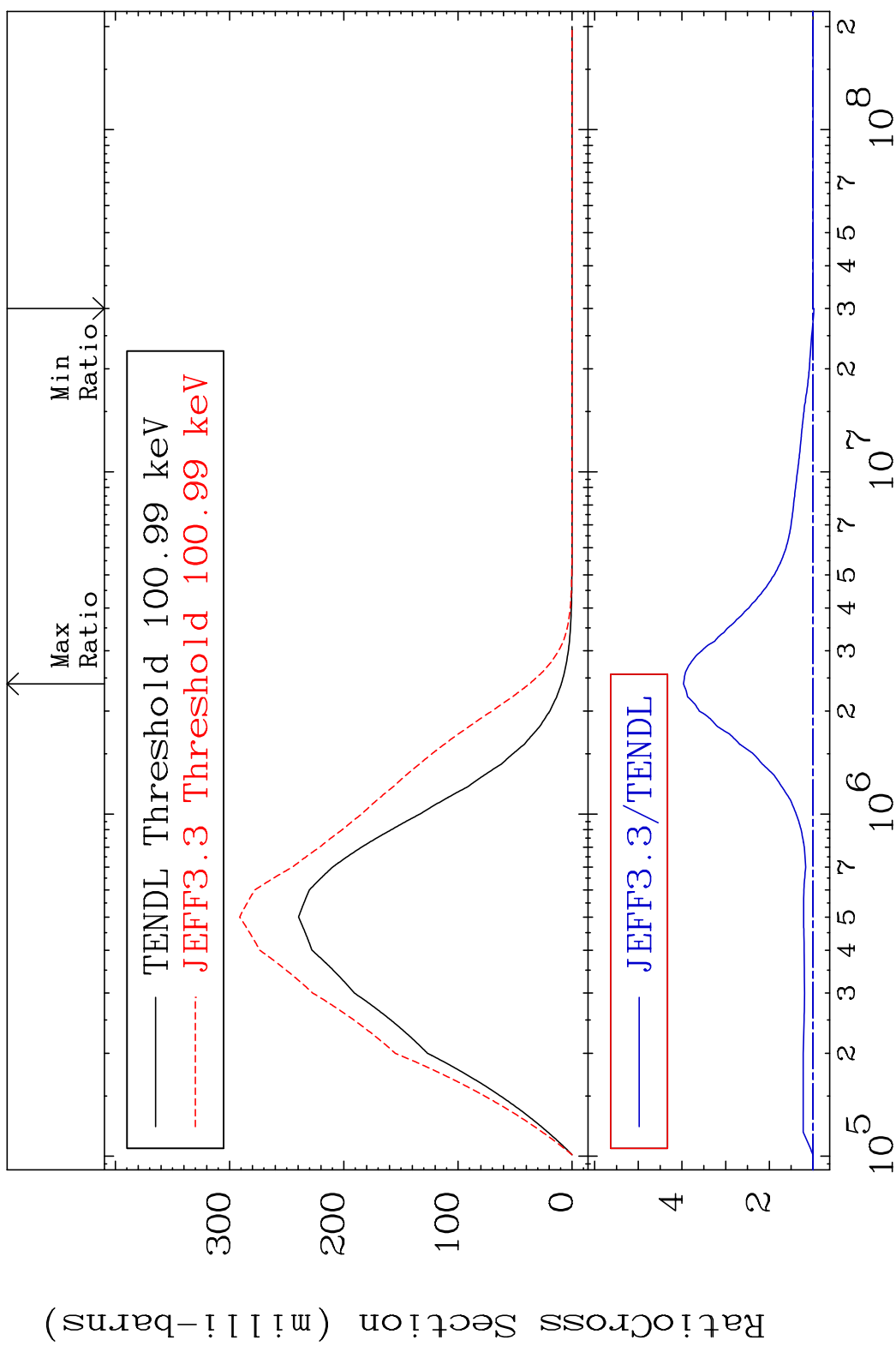
MAT 7634 MT= 52 (n, n') Level 76-0s-187
 Cross Section -100.0 To 65.78 %



MAT 7634 MT= 53 (n, n') Level 76-0s-187
 Cross Section 0.000 To 27.01 %

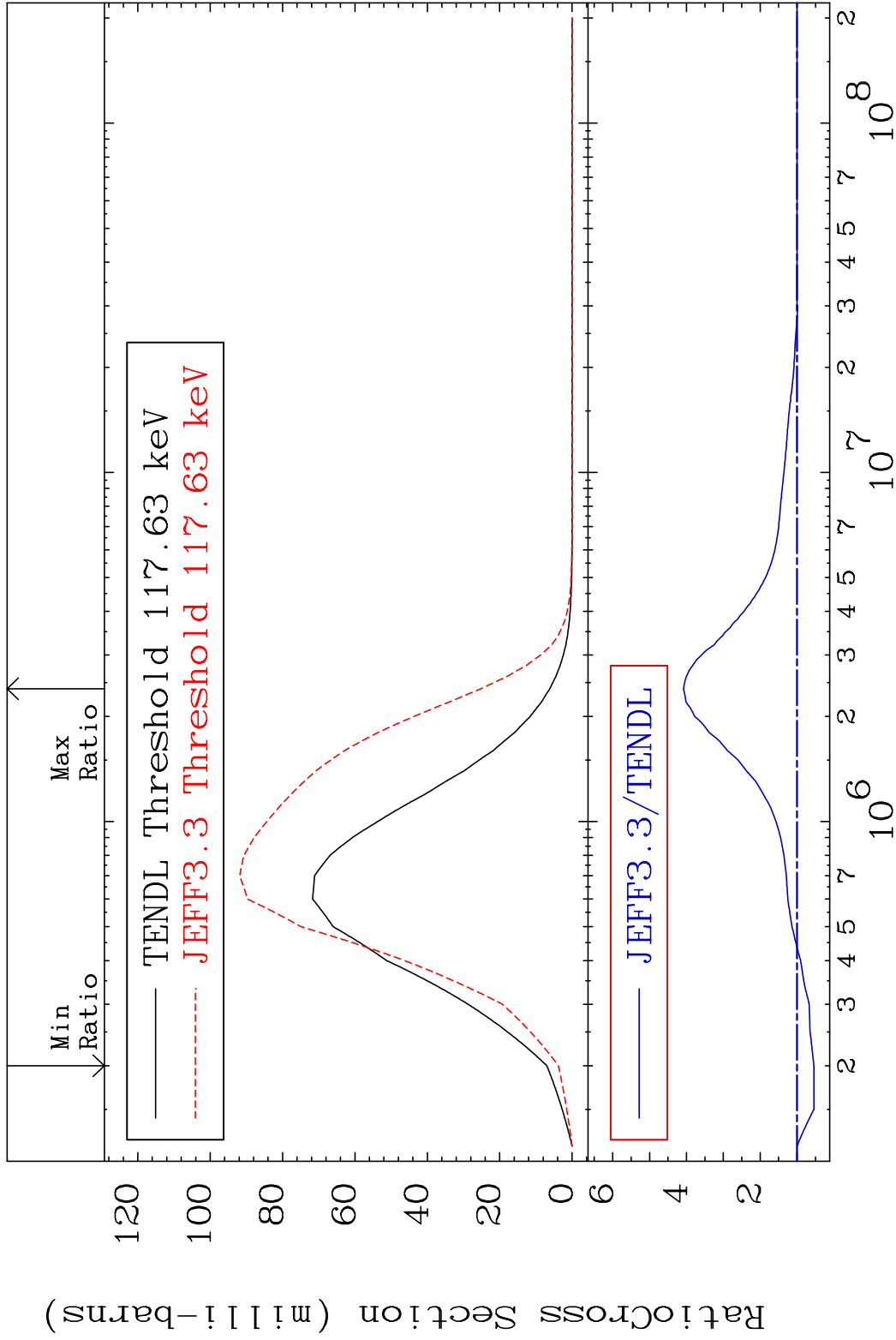


MAT 7634 MT= 54 (n, n') Level 76-0s-187
 Cross Section -2.136 To 296.7 %

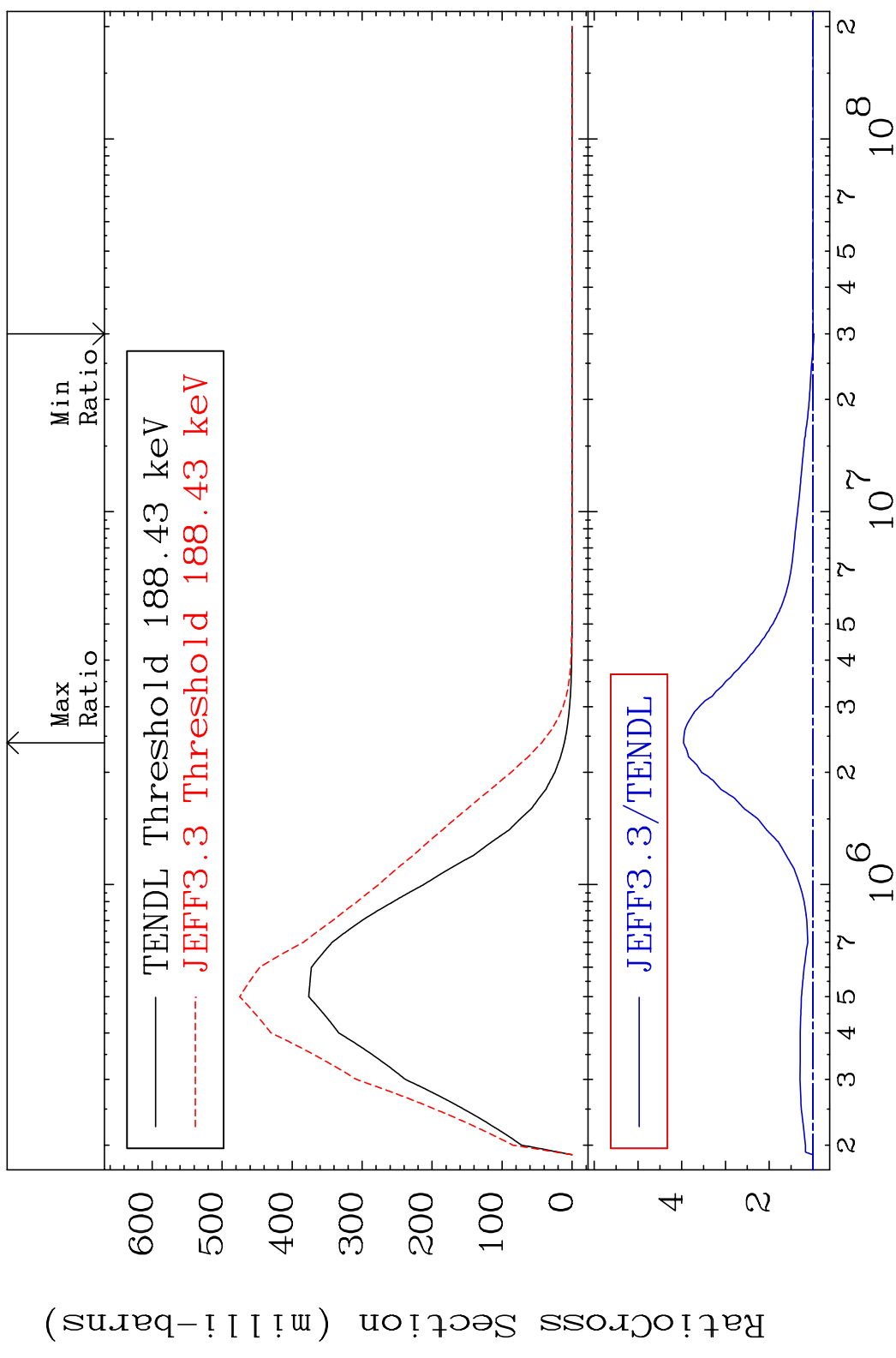


24 Incident Energy (eV) 76-0s-187

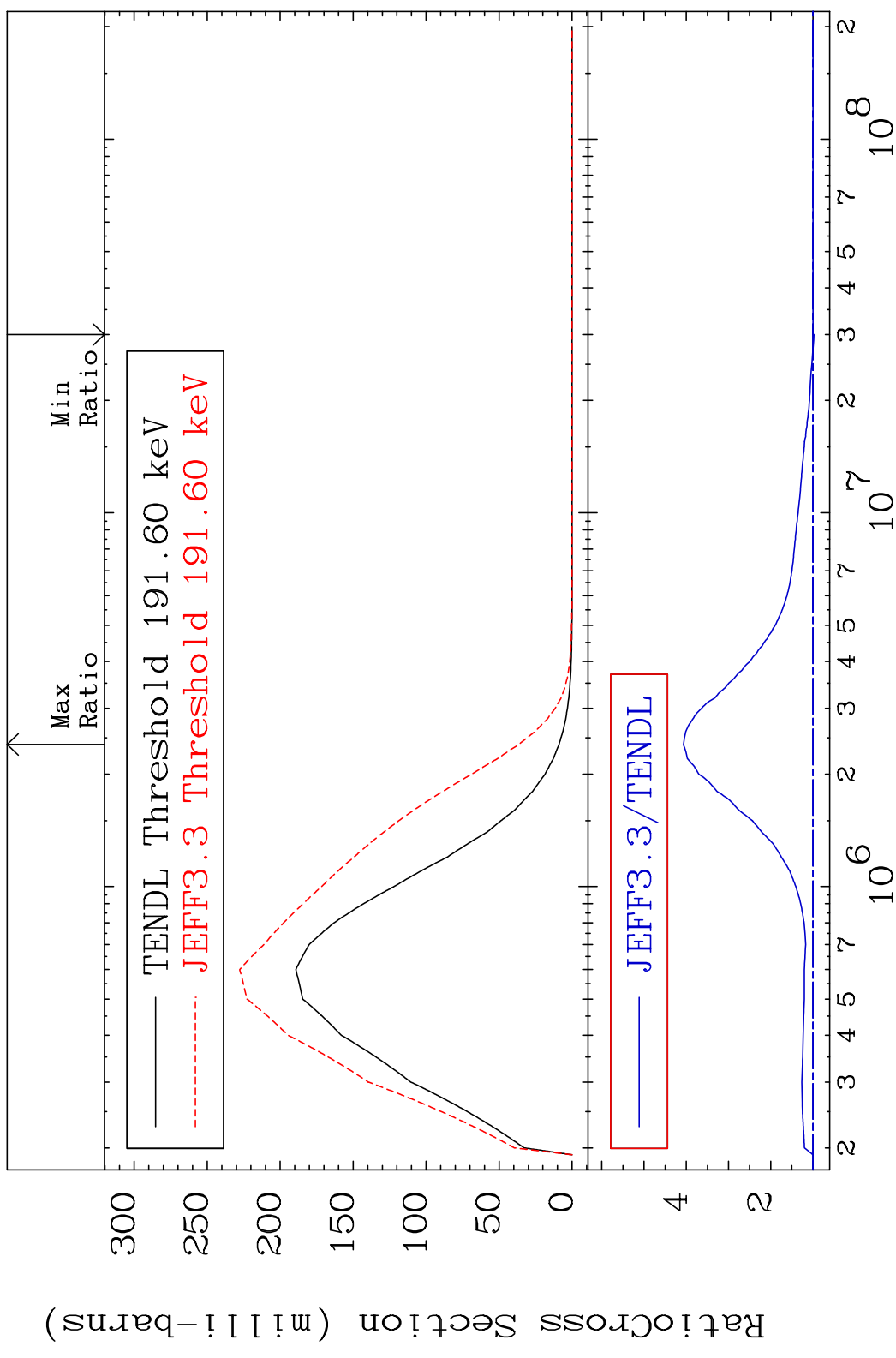
MAT 7634 MT= 55 (n, n') Level 76-0s-187
 Cross Section -45.78 To 308.1 %



MAT 7634 MT= 56 (n, n') Level 76-0s-187
 Cross Section -2.229 To 296.0 %

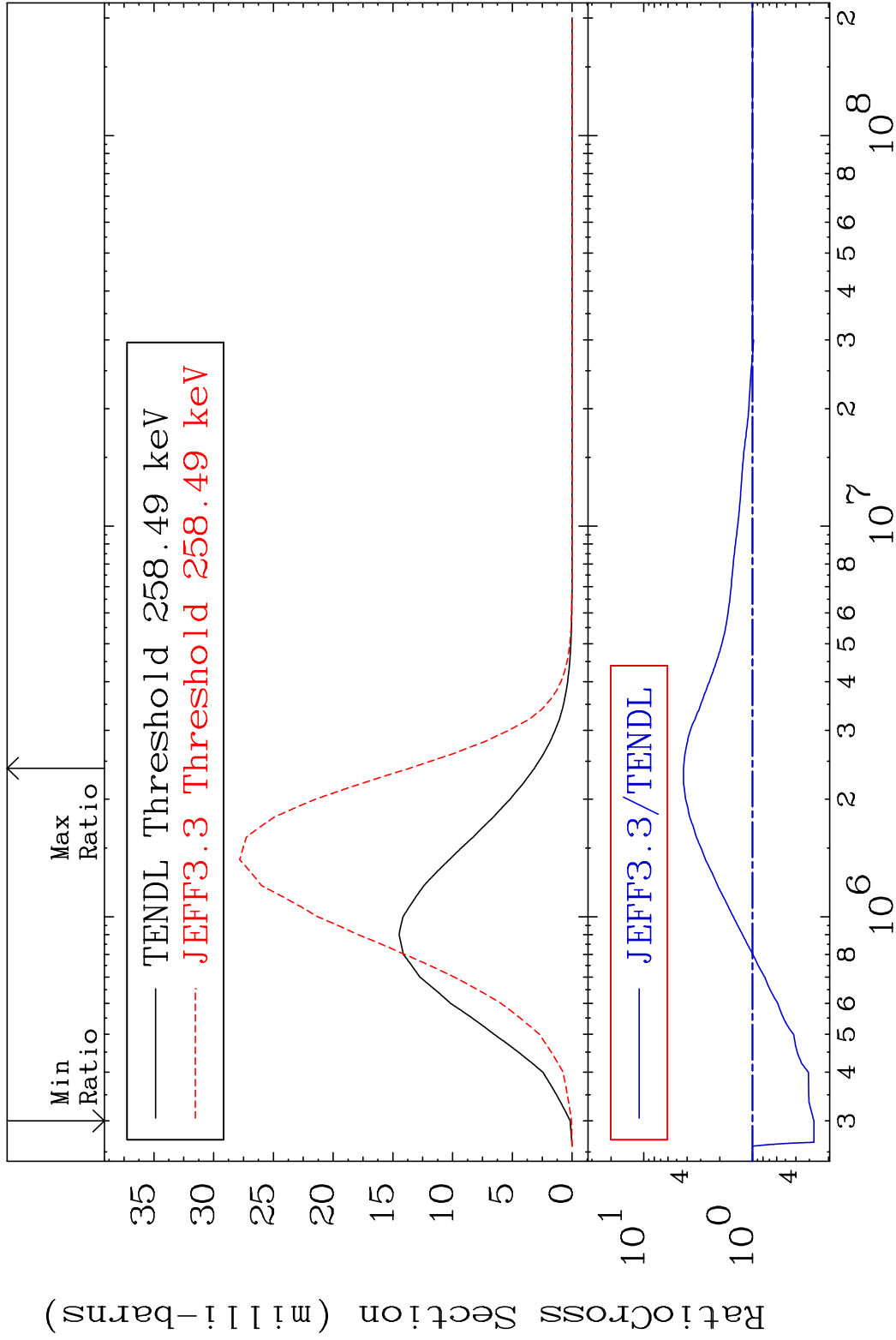


MAT 7634 MT= 57 (n, n') Level 76-0s-187
 Cross Section -2.142 To 306.6 %

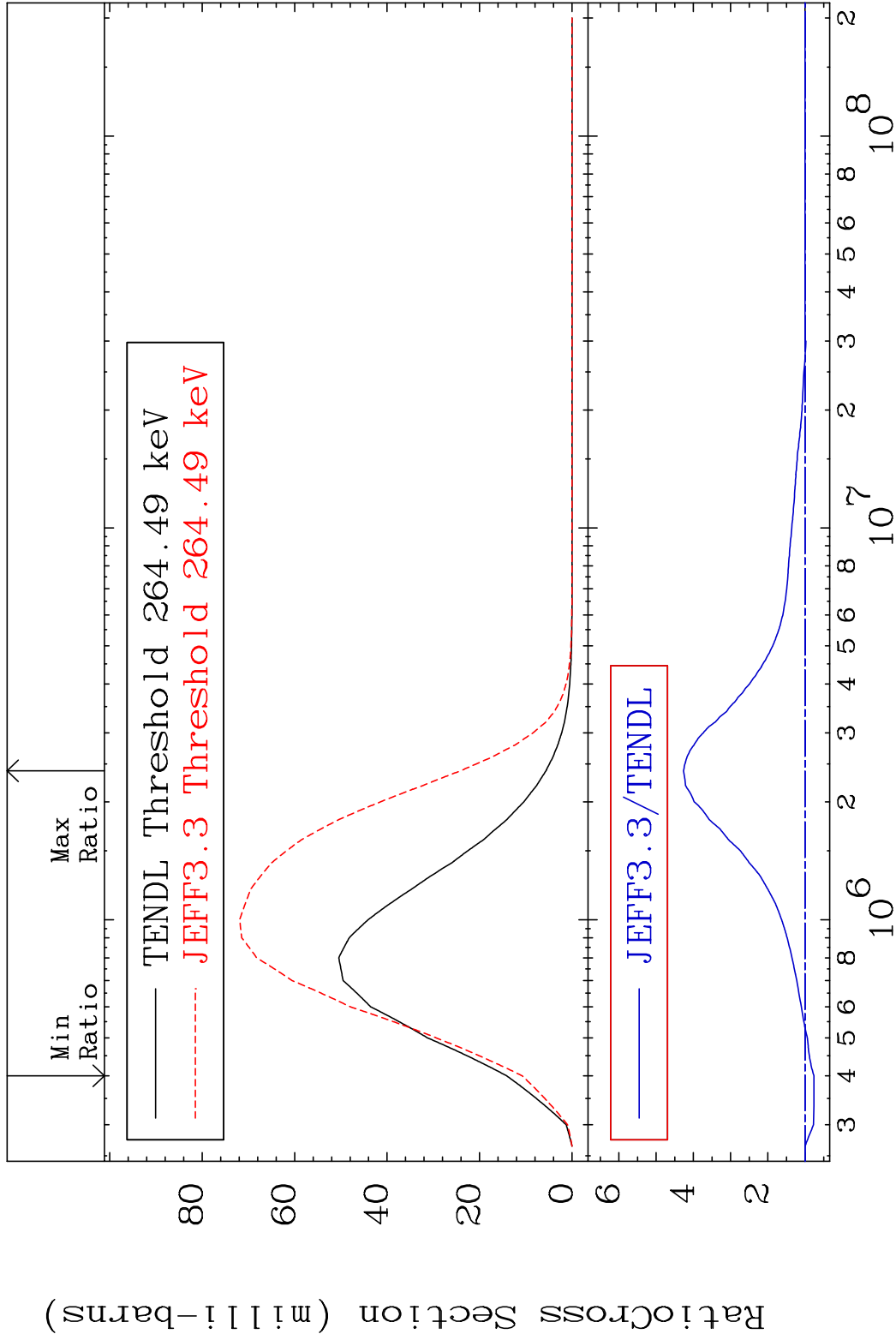


27 76-0s-187

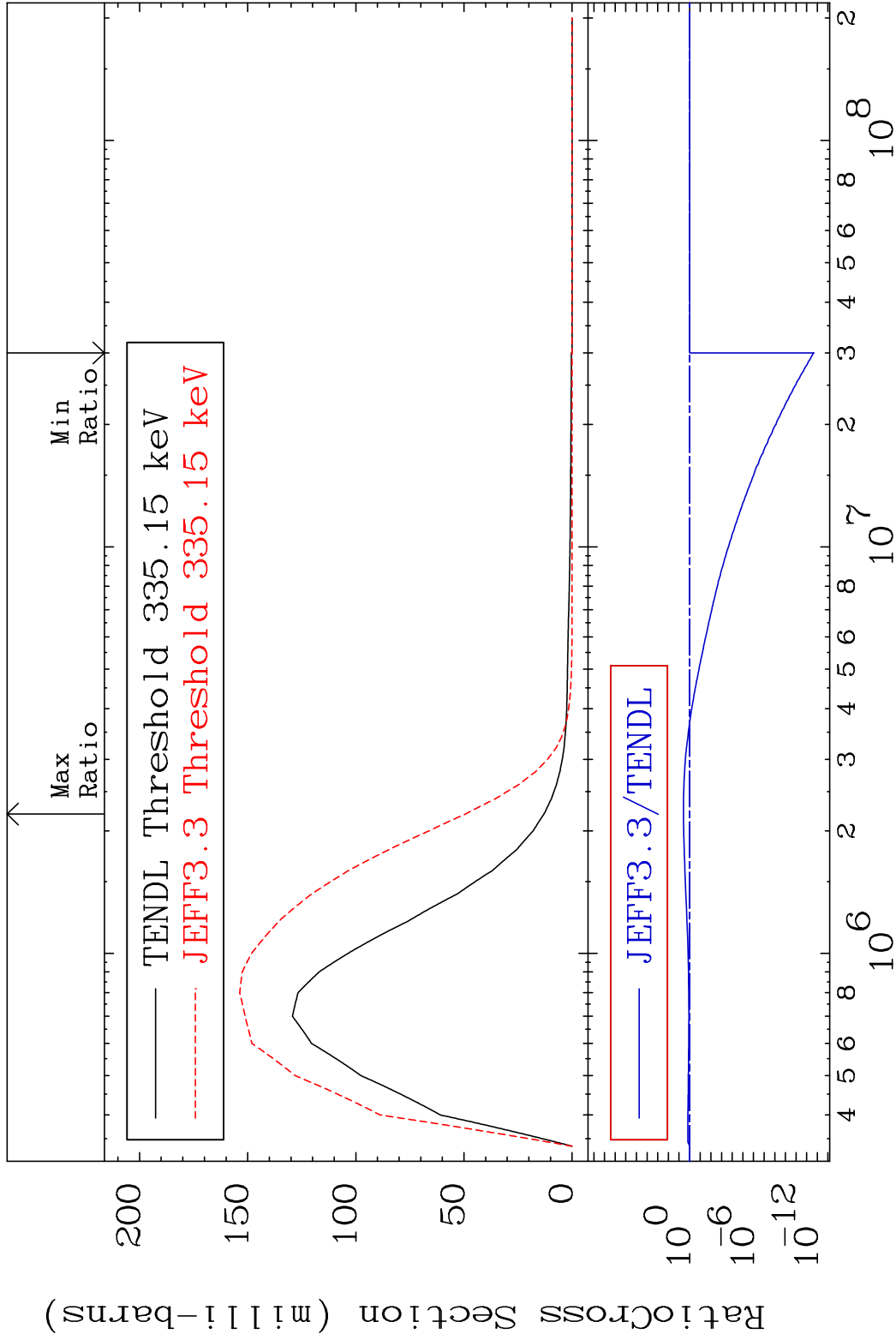
MAT 7634 MT= 58 (n, n') Level 76-0s-187
 Cross Section -72.70 To 331.8 %



MAT 7634 MT= 59 (n, n') Level 76-0s-187
 Cross Section -23.70 To 326.7 %

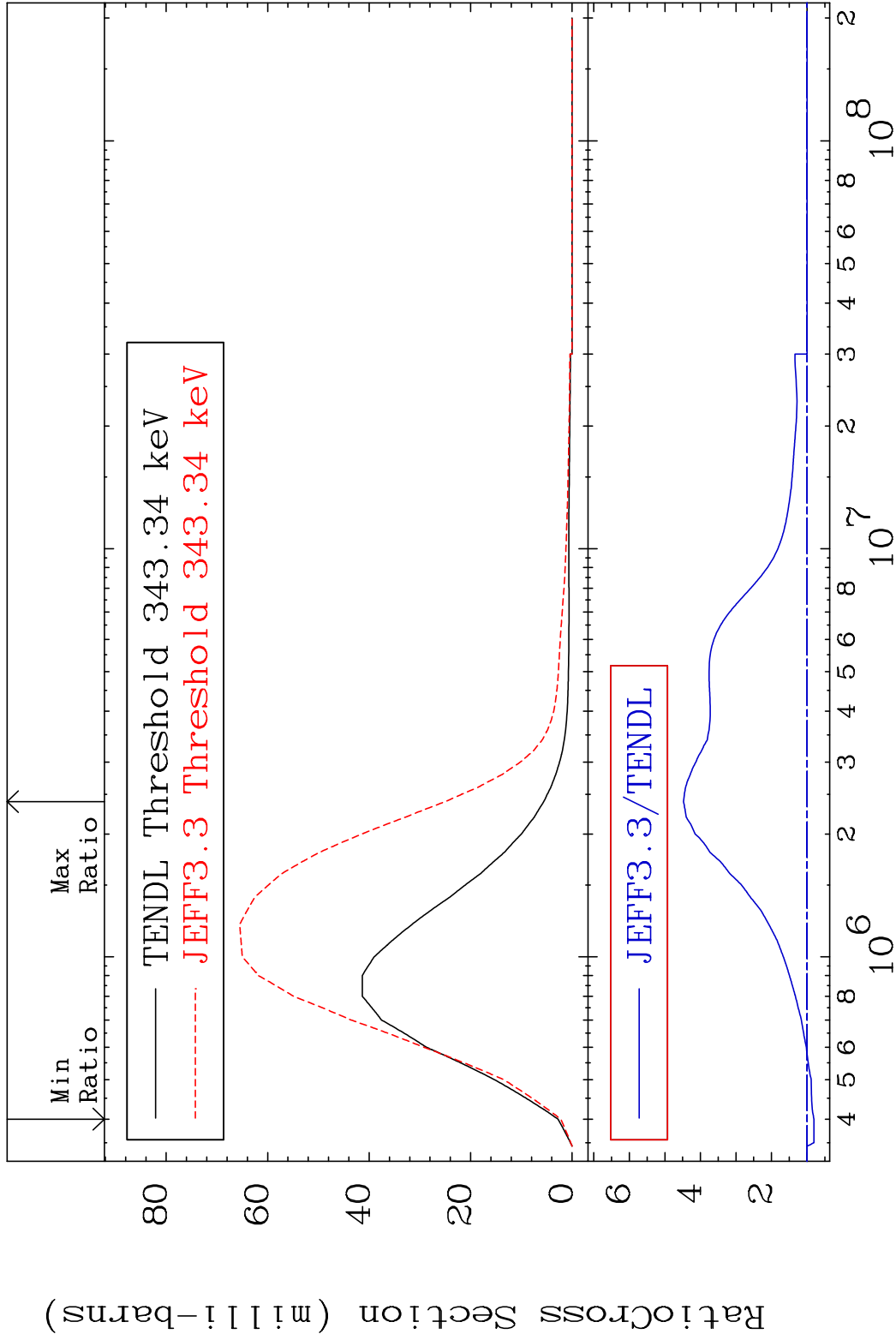


MAT 7634 MT= 60 (n, n') Level 76-0s-187
 Cross Section -100.0 To 280.6 %



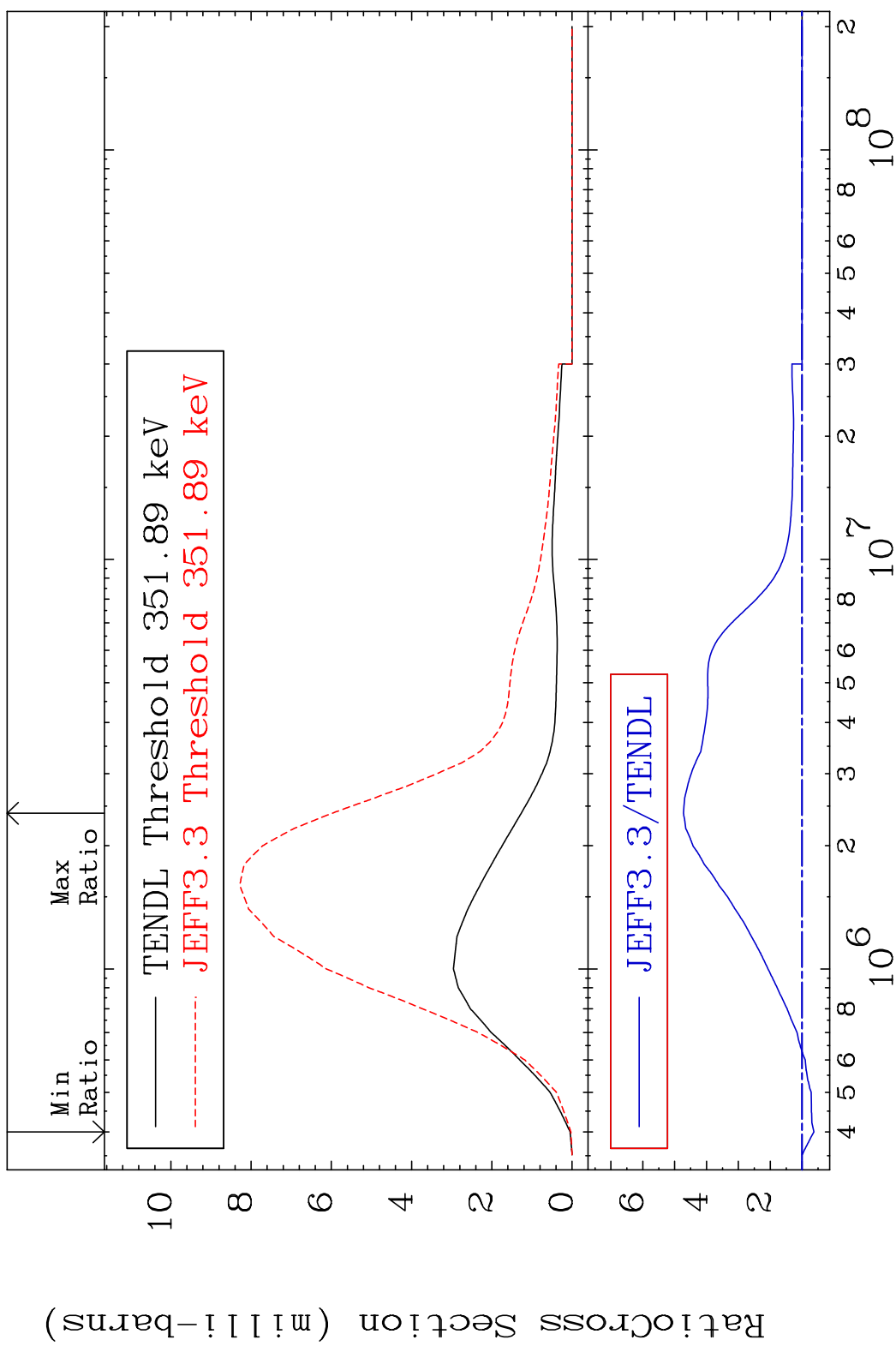
30 Incident Energy (eV) 76-0s-187

MAT 7634 MT= 61 (n, n') Level 76-0s-187
 Cross Section -19.24 To 347.7 %



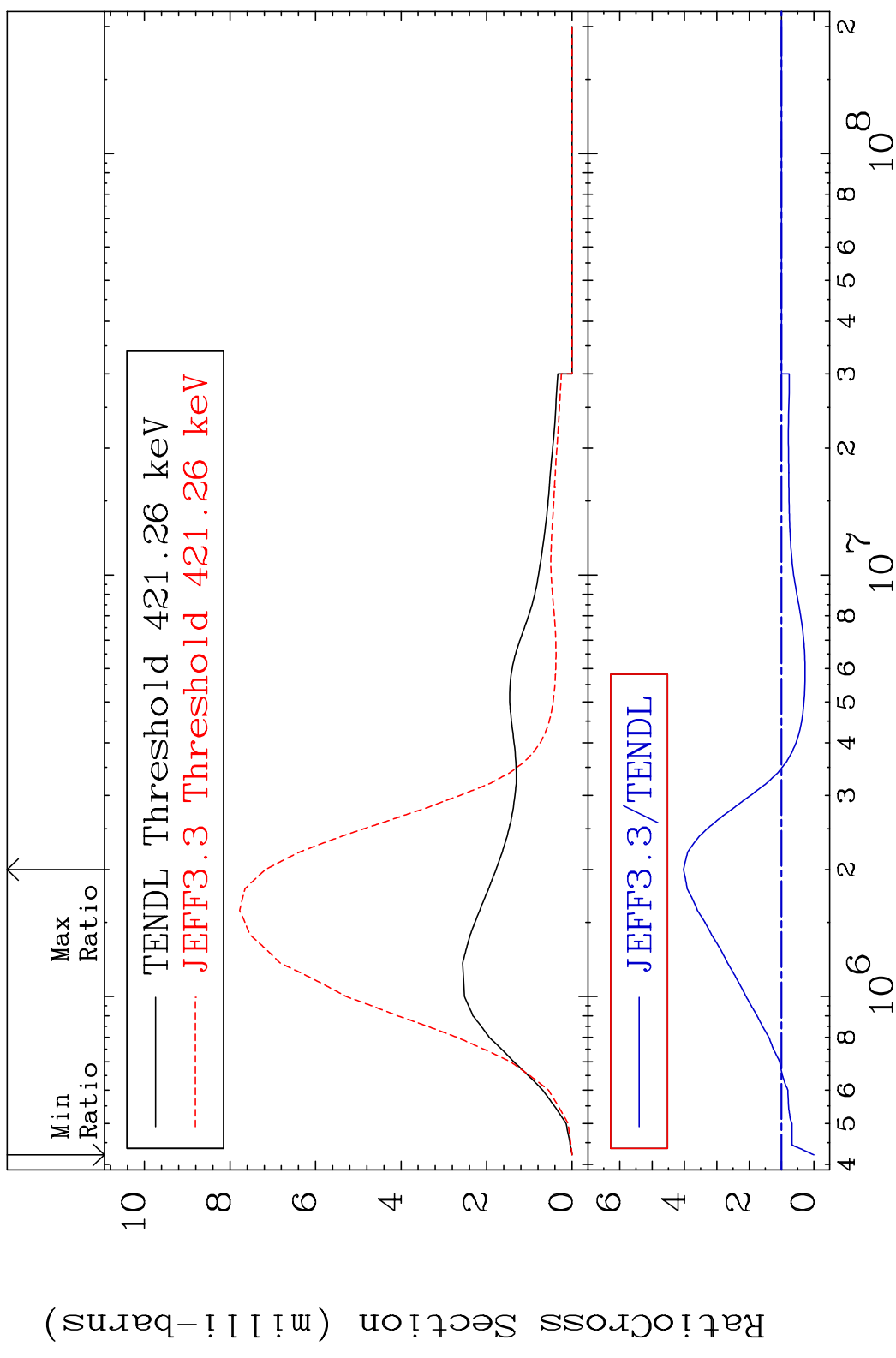
31 Incident Energy (eV) 76-0s-187

MAT 7634 MT= 62 (n, n') Level 76-0s-187
 Cross Section -36.90 To 372.5 %

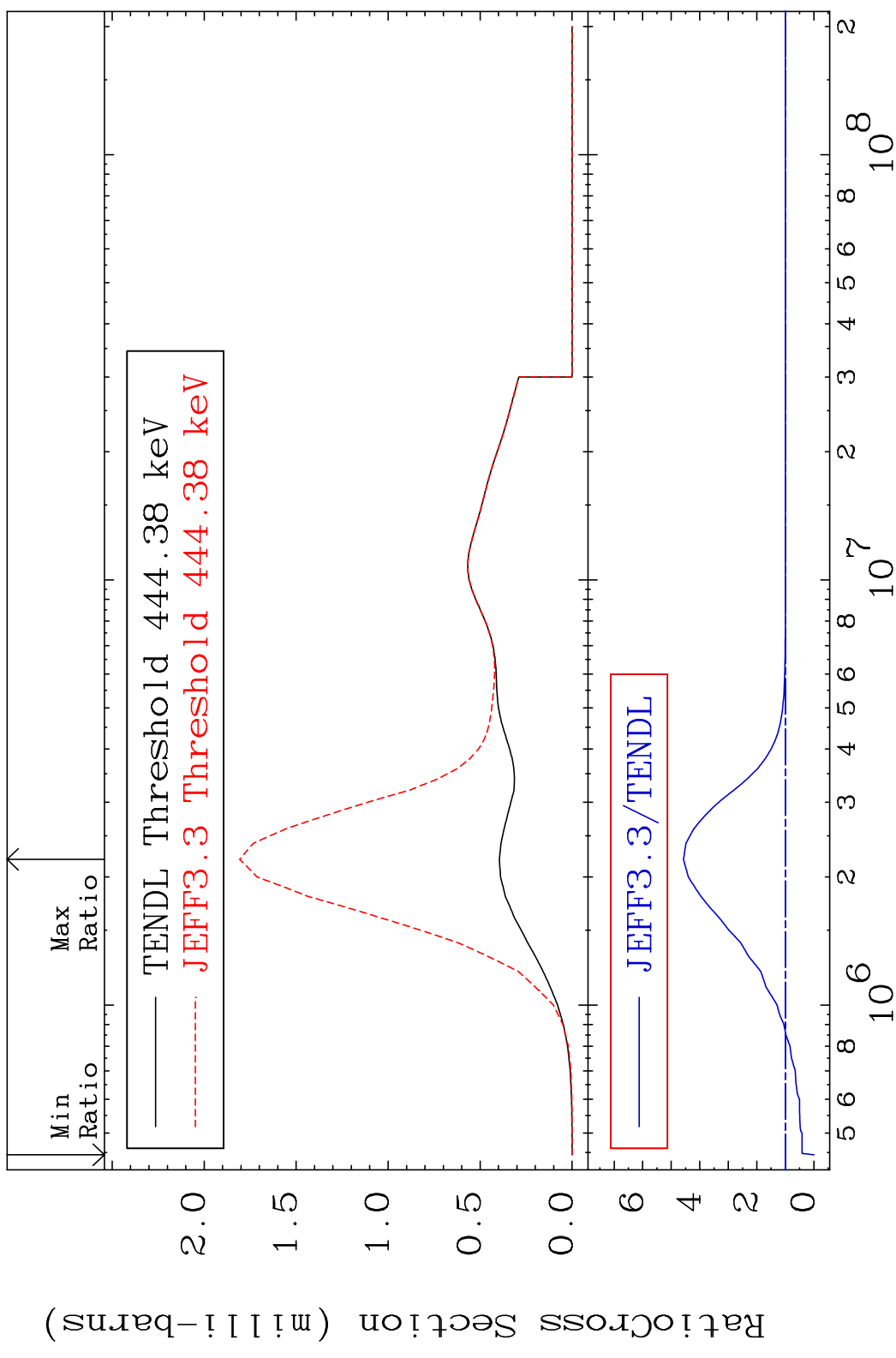


32 76-0s-187

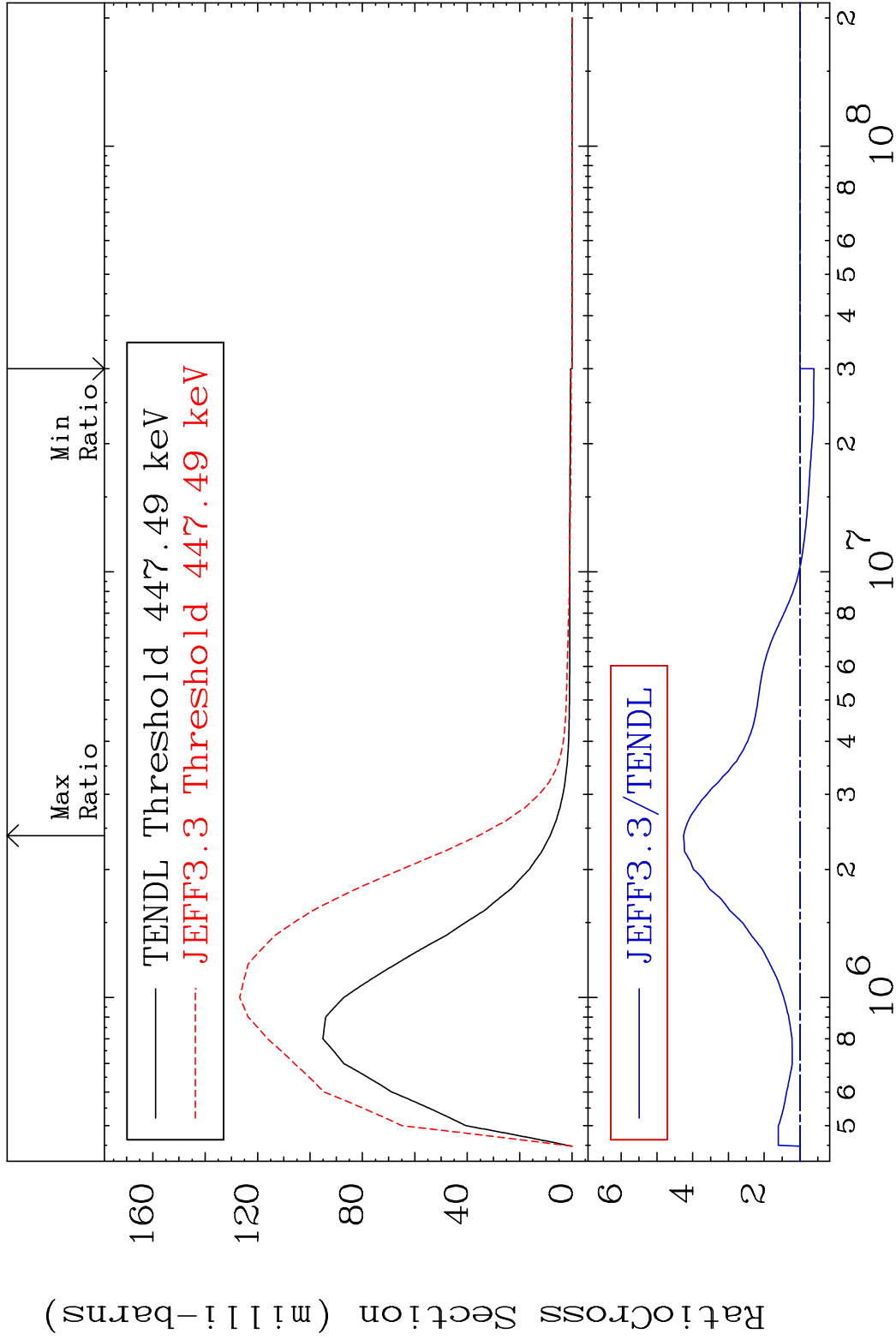
MAT 7634 MT= 63 (n, n') Level 76-0s-187
 Cross Section -100.0 To 303.3 %



MAT 7634 MT= 64 (n, n') Level 76-0s-187
 Cross Section -100.0 To 357.1 %

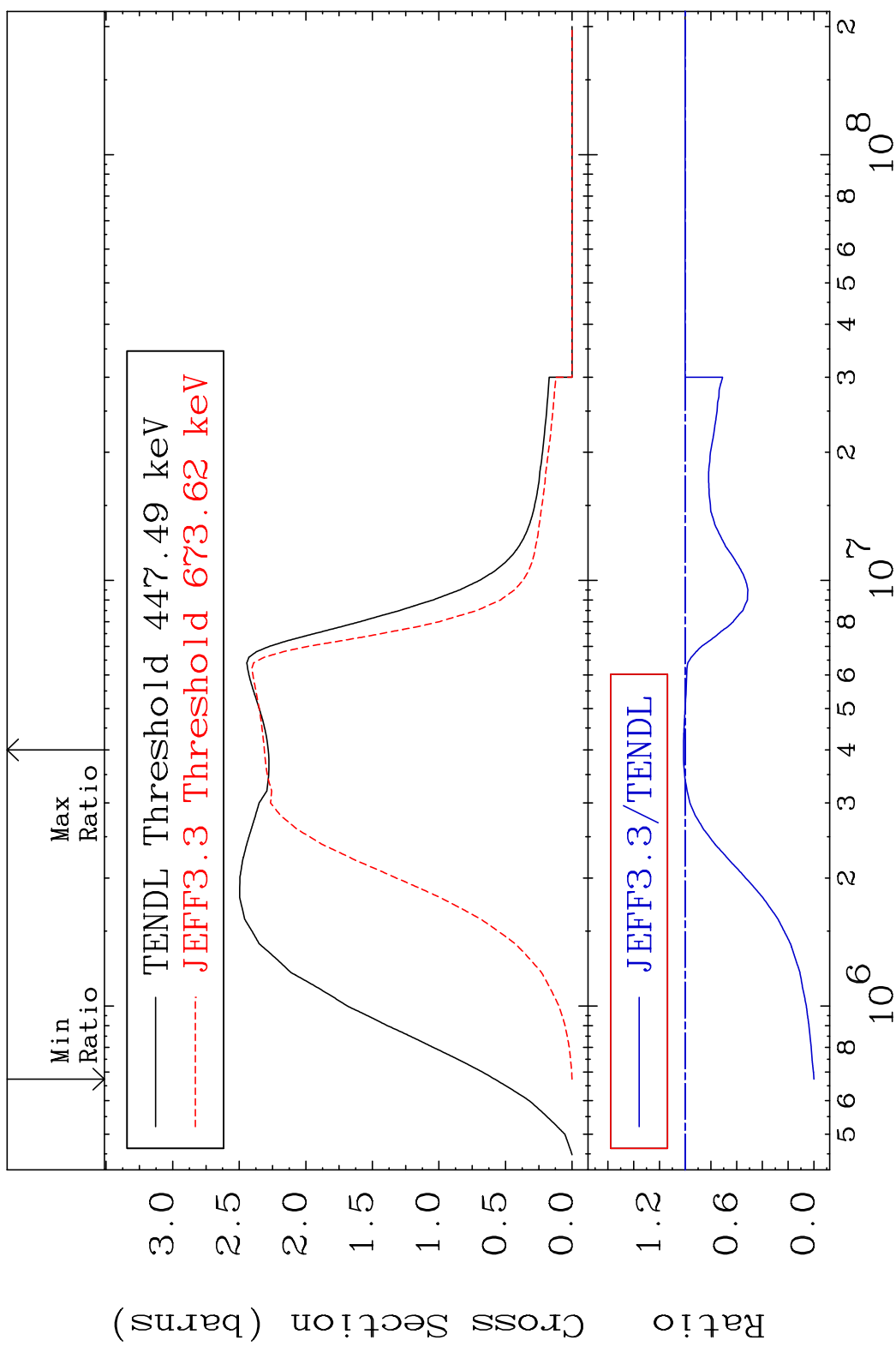


MAT 7634 MT= 65 (n, n') Level 76-0s-187
 Cross Section -38.87 To 325.8 %



35 76-0s-187

MAT 7634 (n, n') Continuum 76-0s-187
 Cross Section -100.0 To 1.308 %

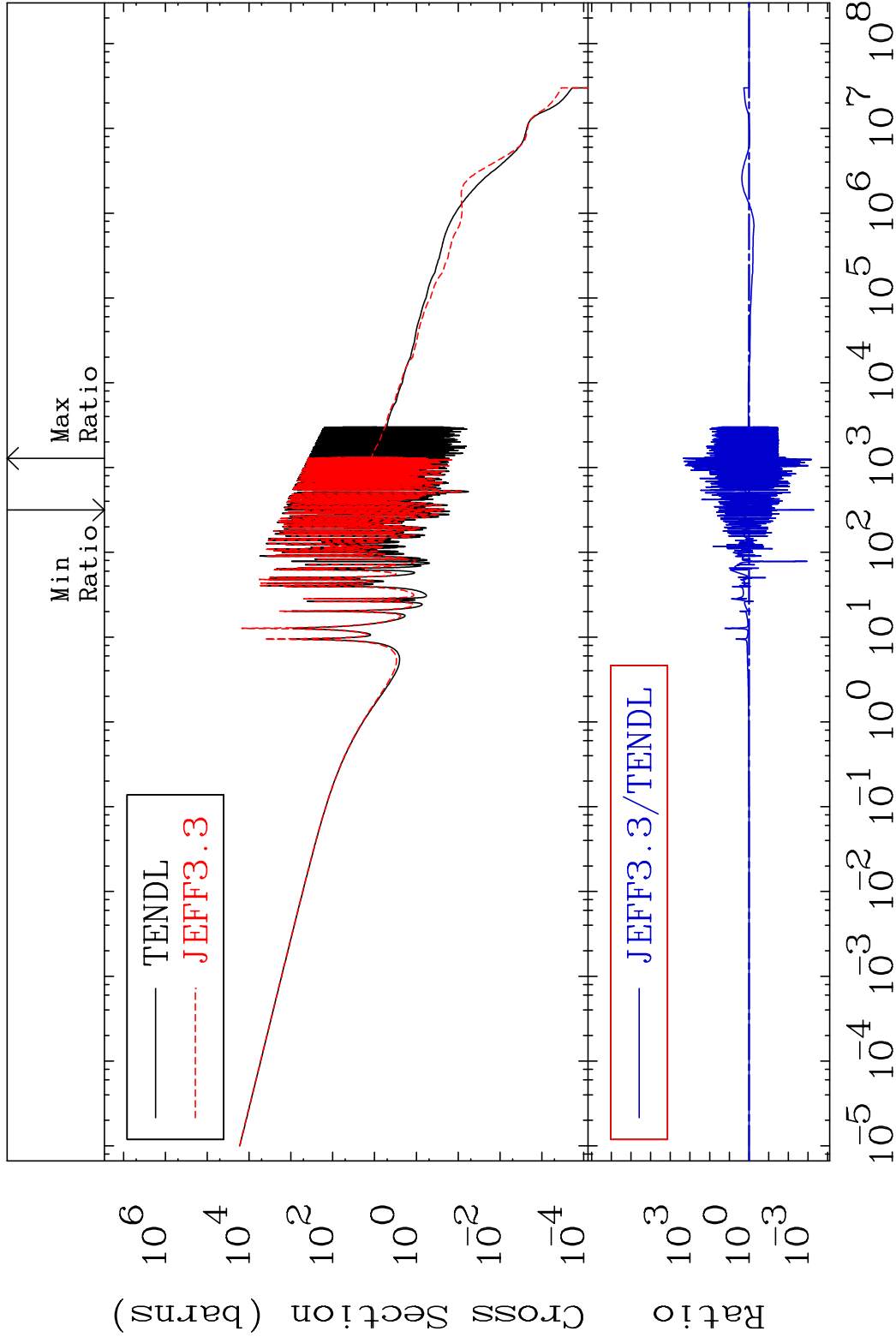


MAT 7634

(n, γ)

76-0s-187

Cross Section -99.95 To 9999. %



37

Incident Energy (eV)

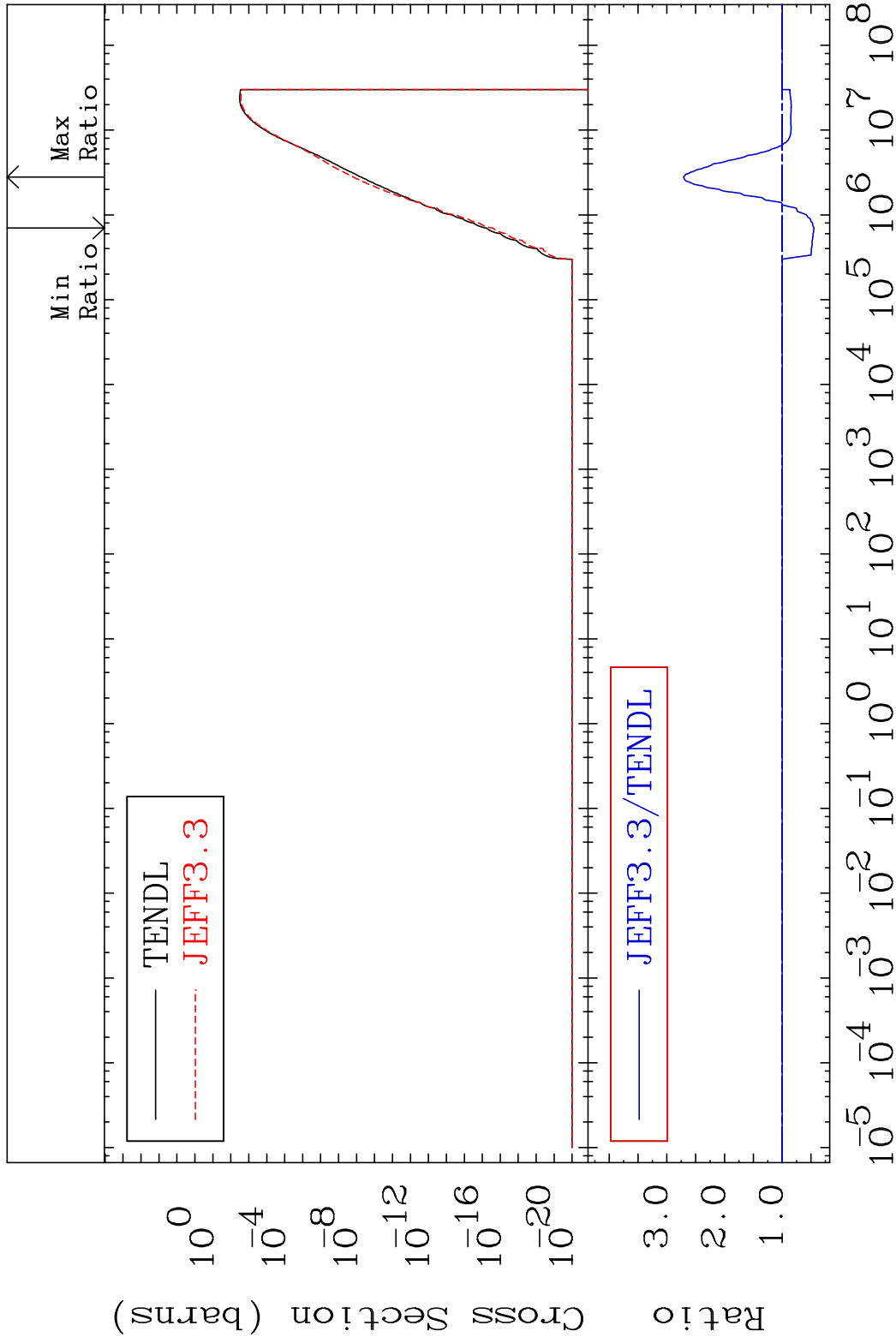
76-0s-187

MAT 7634

(n, p)

76-Os-187

Cross Section -54.96 To 171.3 %

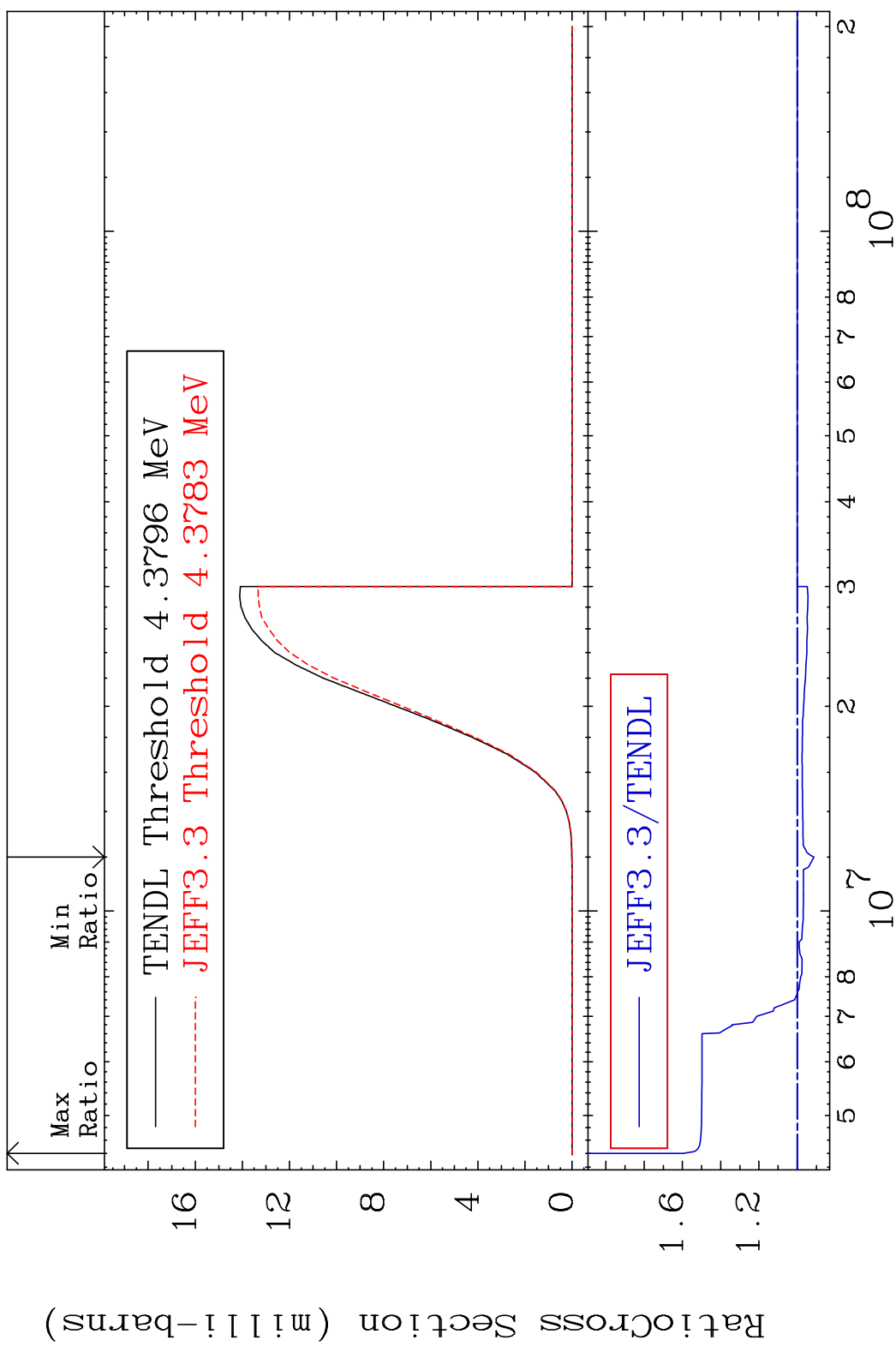


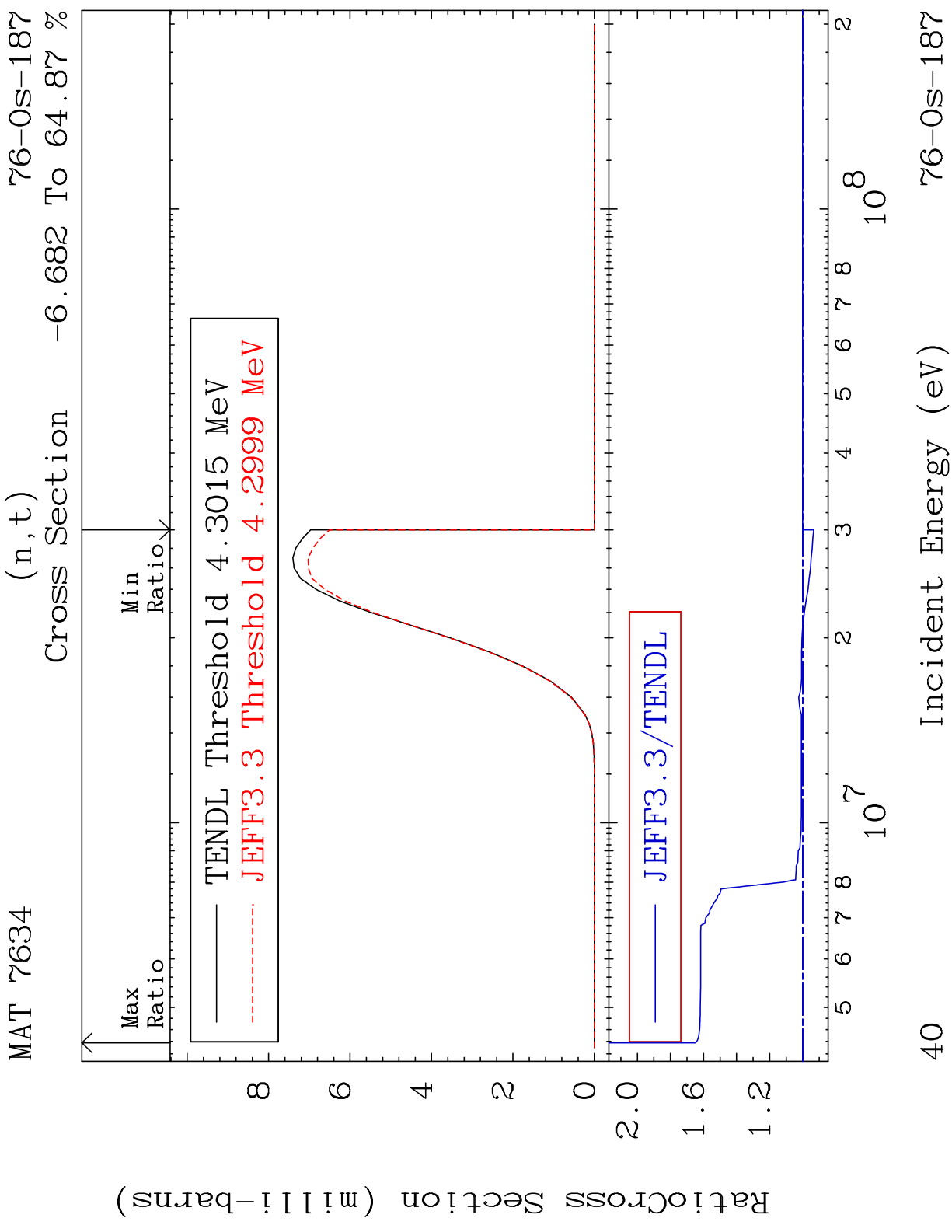
38

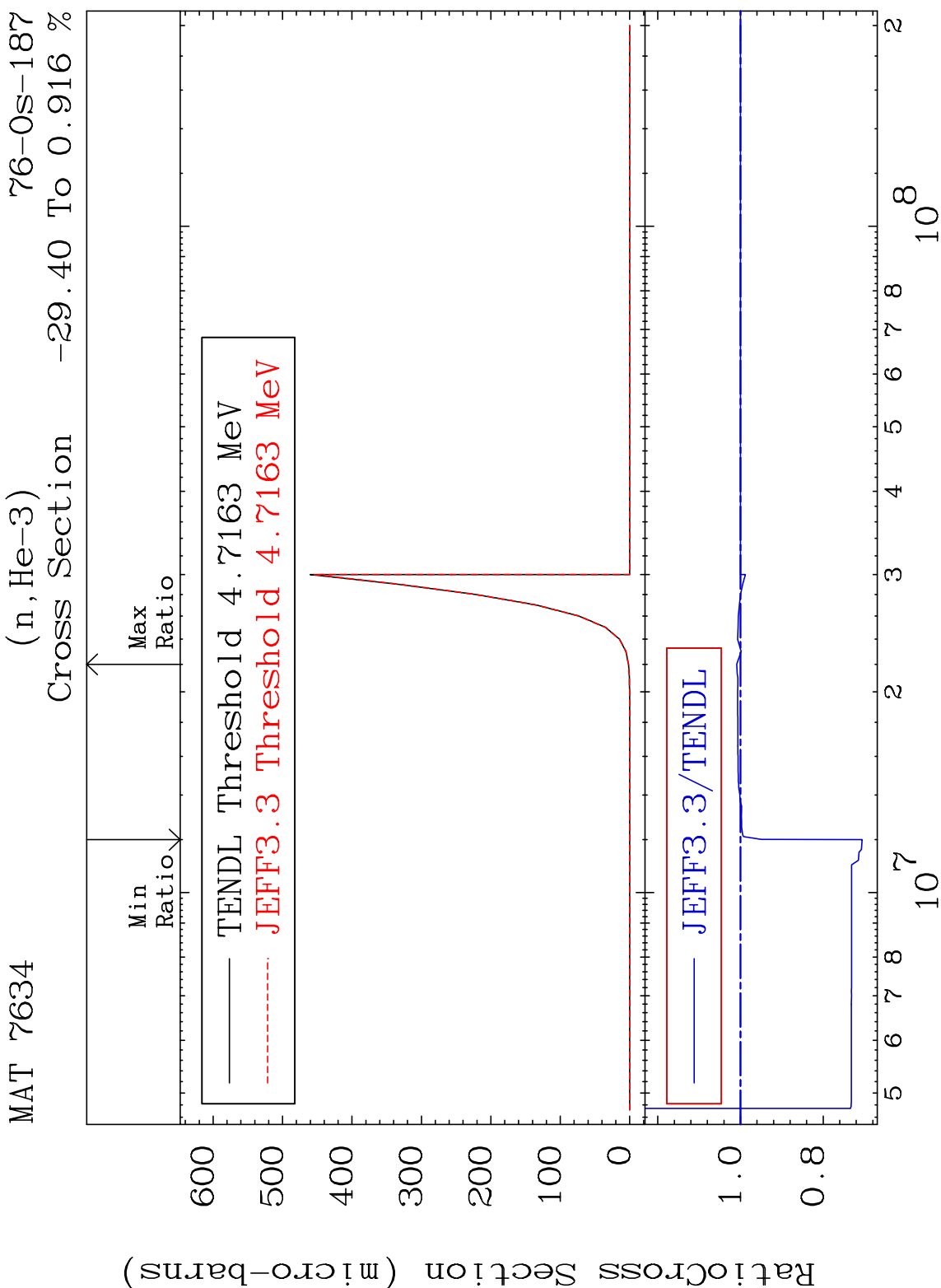
Incident Energy (eV)

76-Os-187

MAT 7634 (n, d) 76-0s-187
 Cross Section -8.708 To 59.47 %





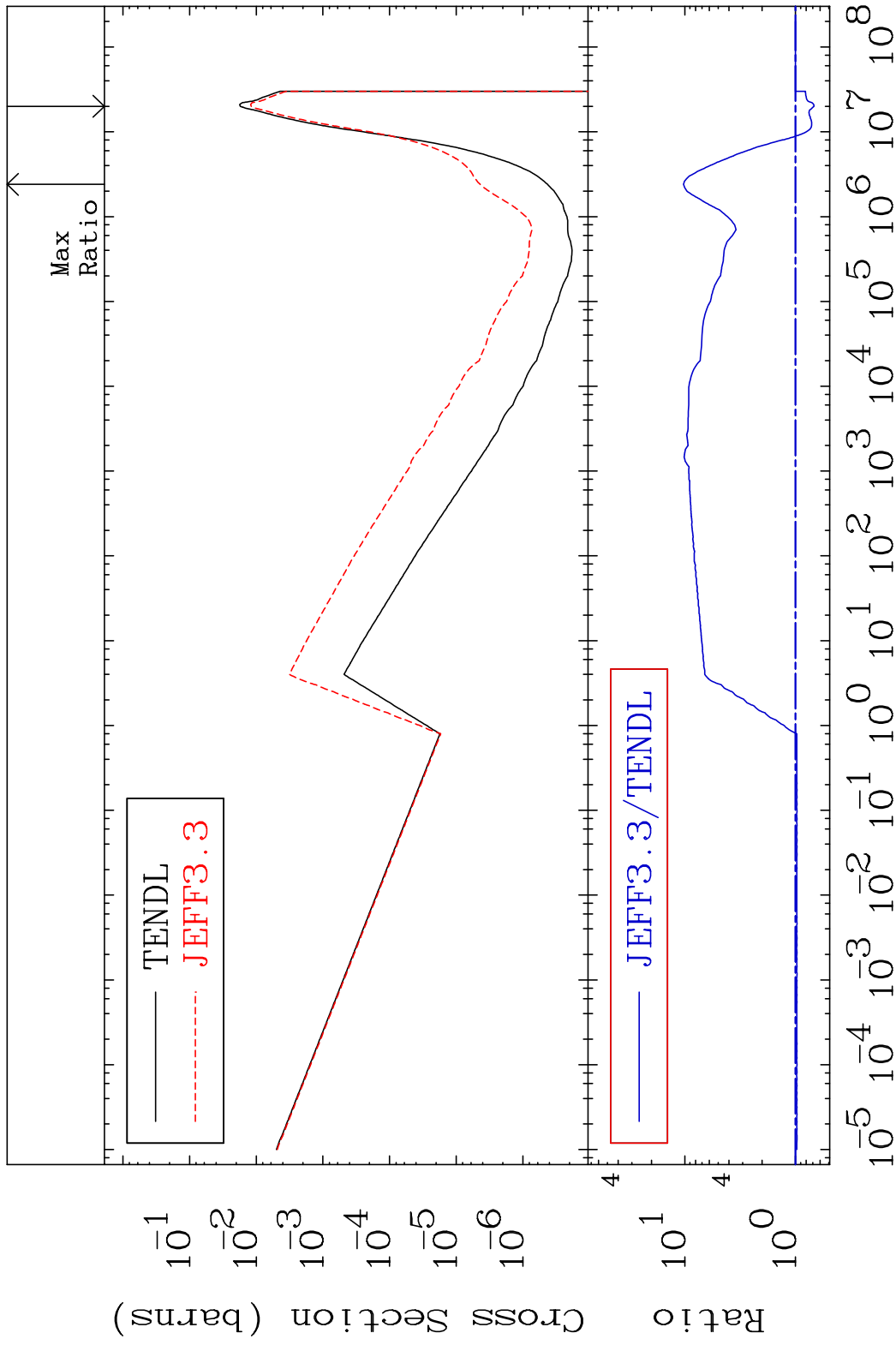


MAT 7634

(n, α)

76-Os-187

Cross Section -31.71 To 927.4 %



42

Incident Energy (eV)

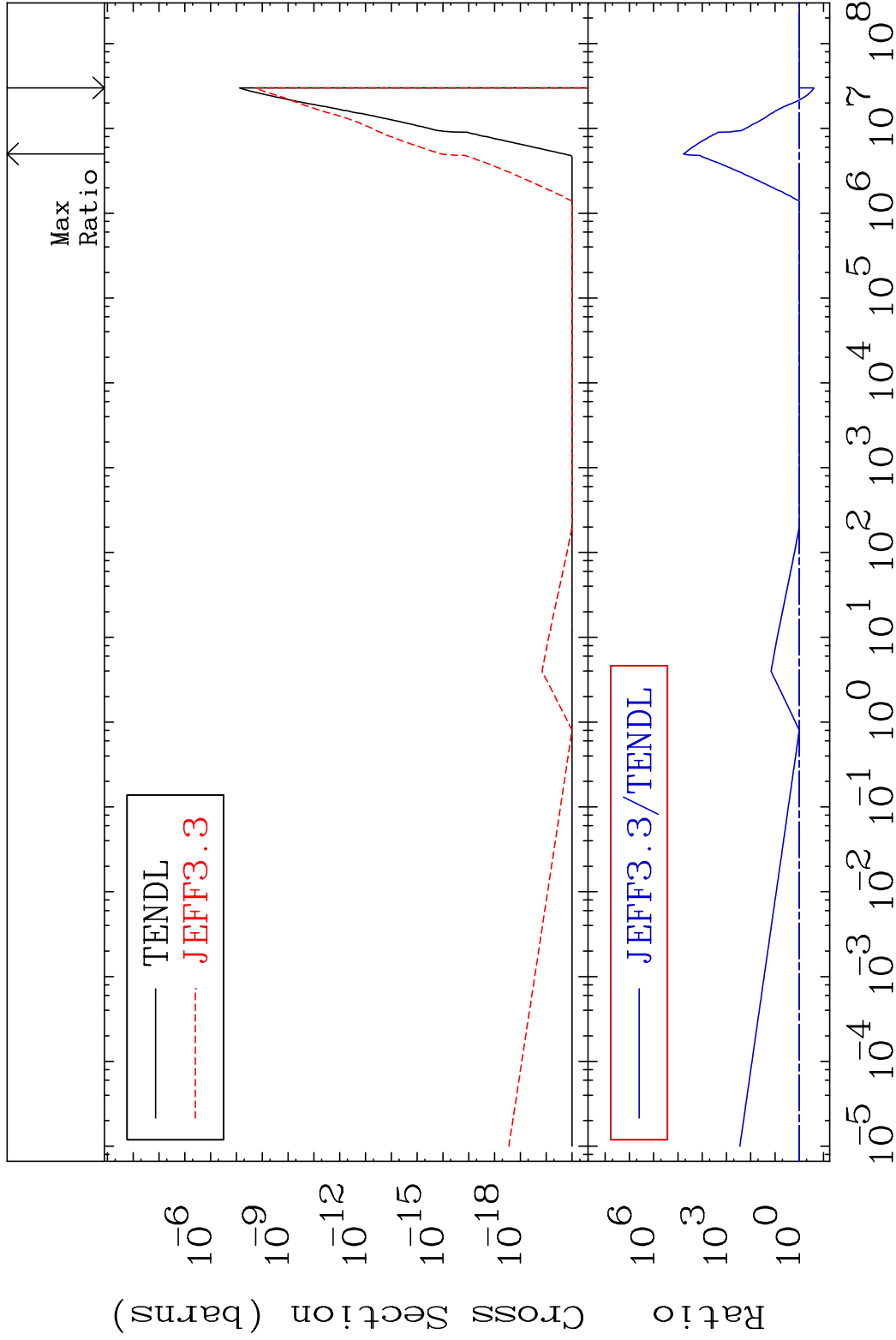
76-Os-187

MAT 7634

(n,2α)

76-Os-187

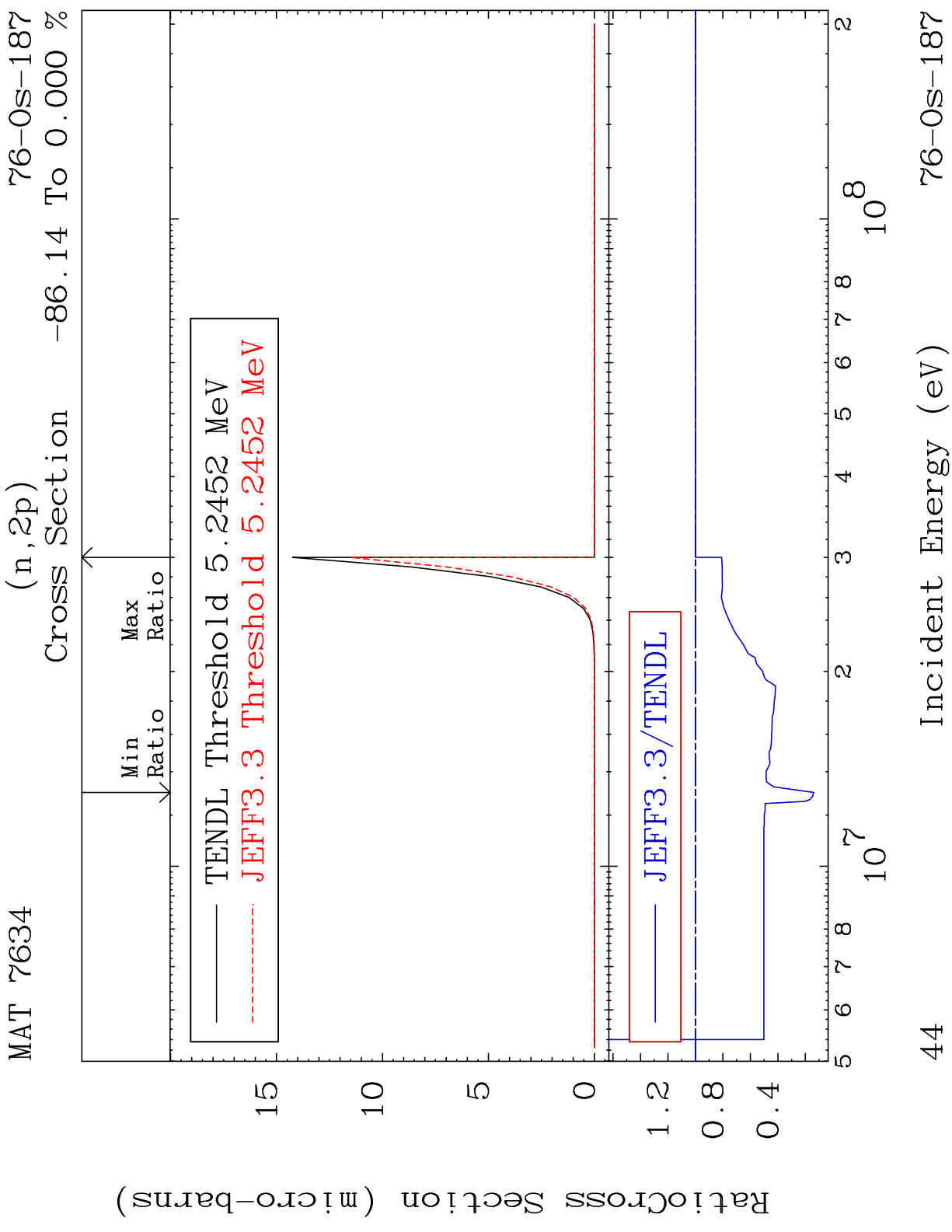
Cross Section -74.96 To 9999. %



43

Incident Energy (eV)

76-Os-187

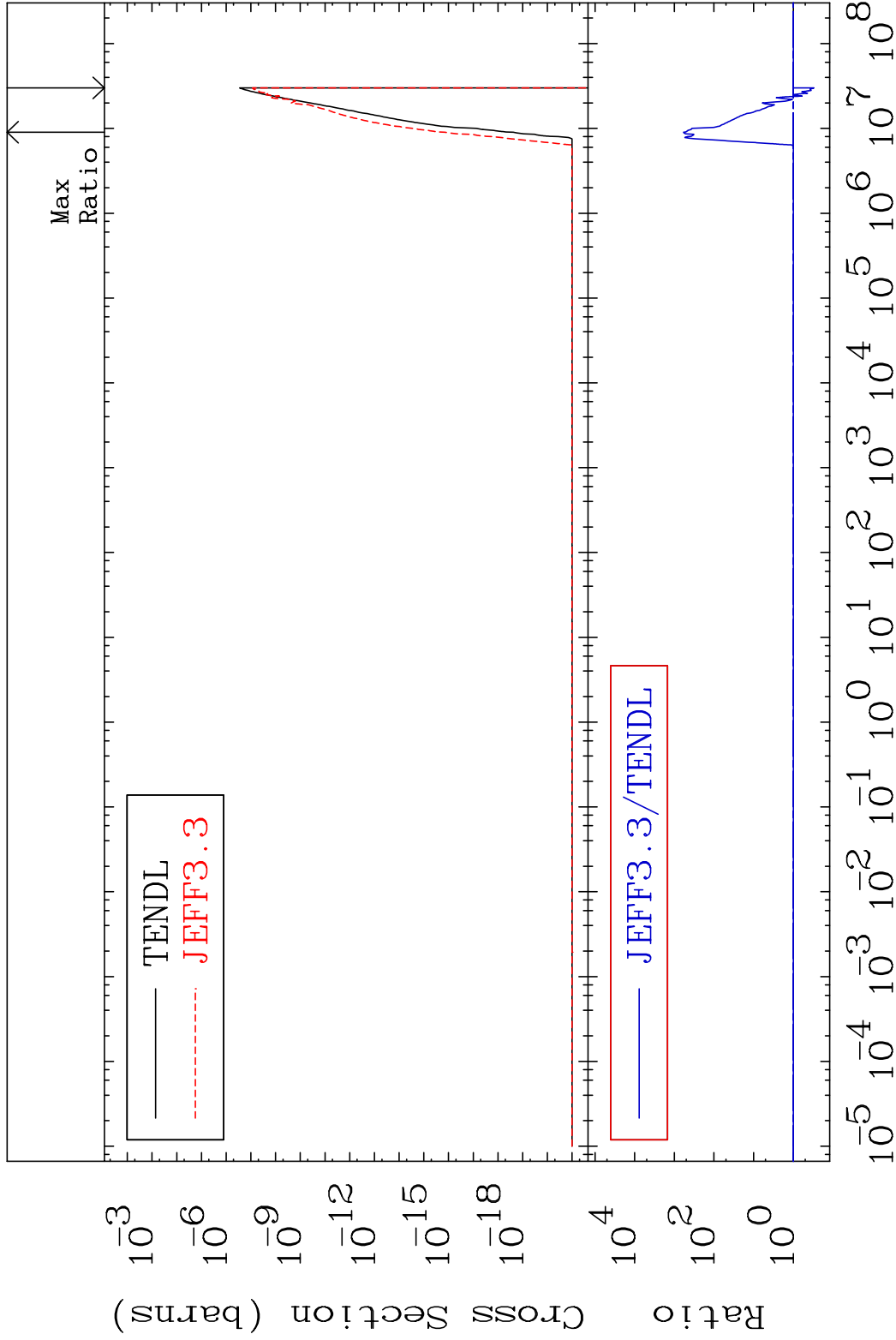


MAT 7634

(n,p) α

76-Os-187

Cross Section -69.74 To 9999. %



45

Incident Energy (eV)

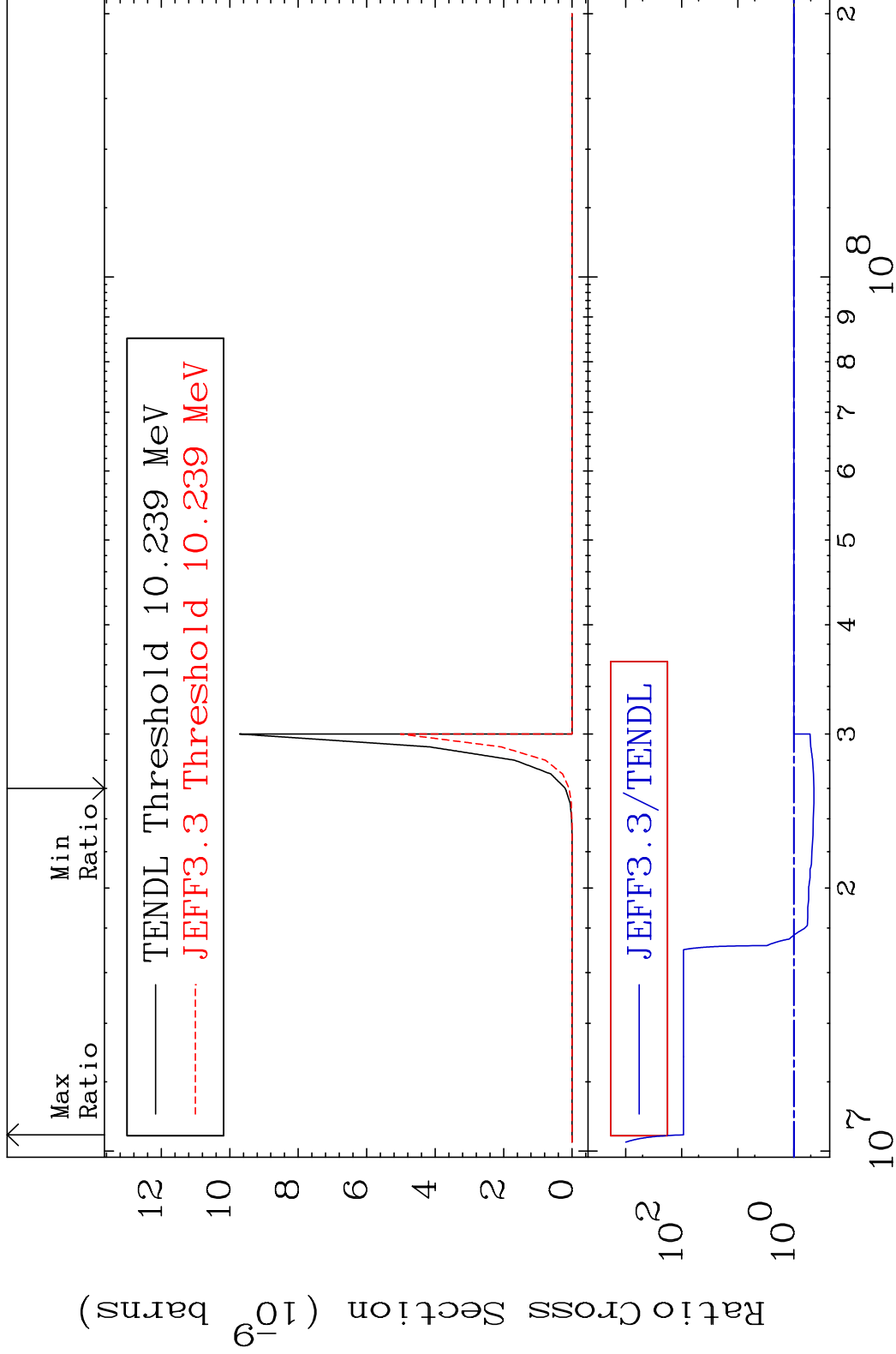
76-Os-187

MAT 7634

(n,p) d

76-0s-187

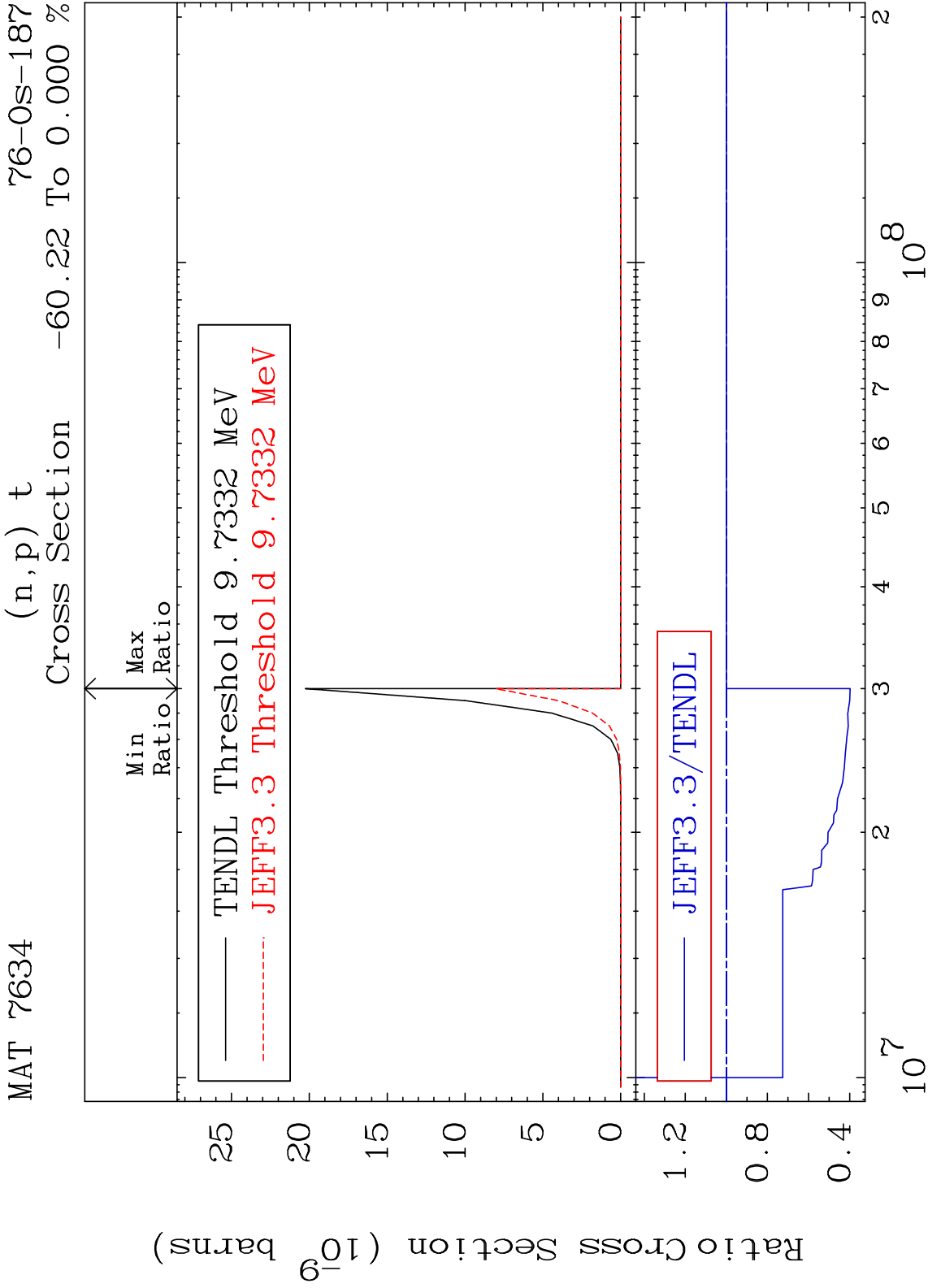
Cross Section -56.05 To 9211. %



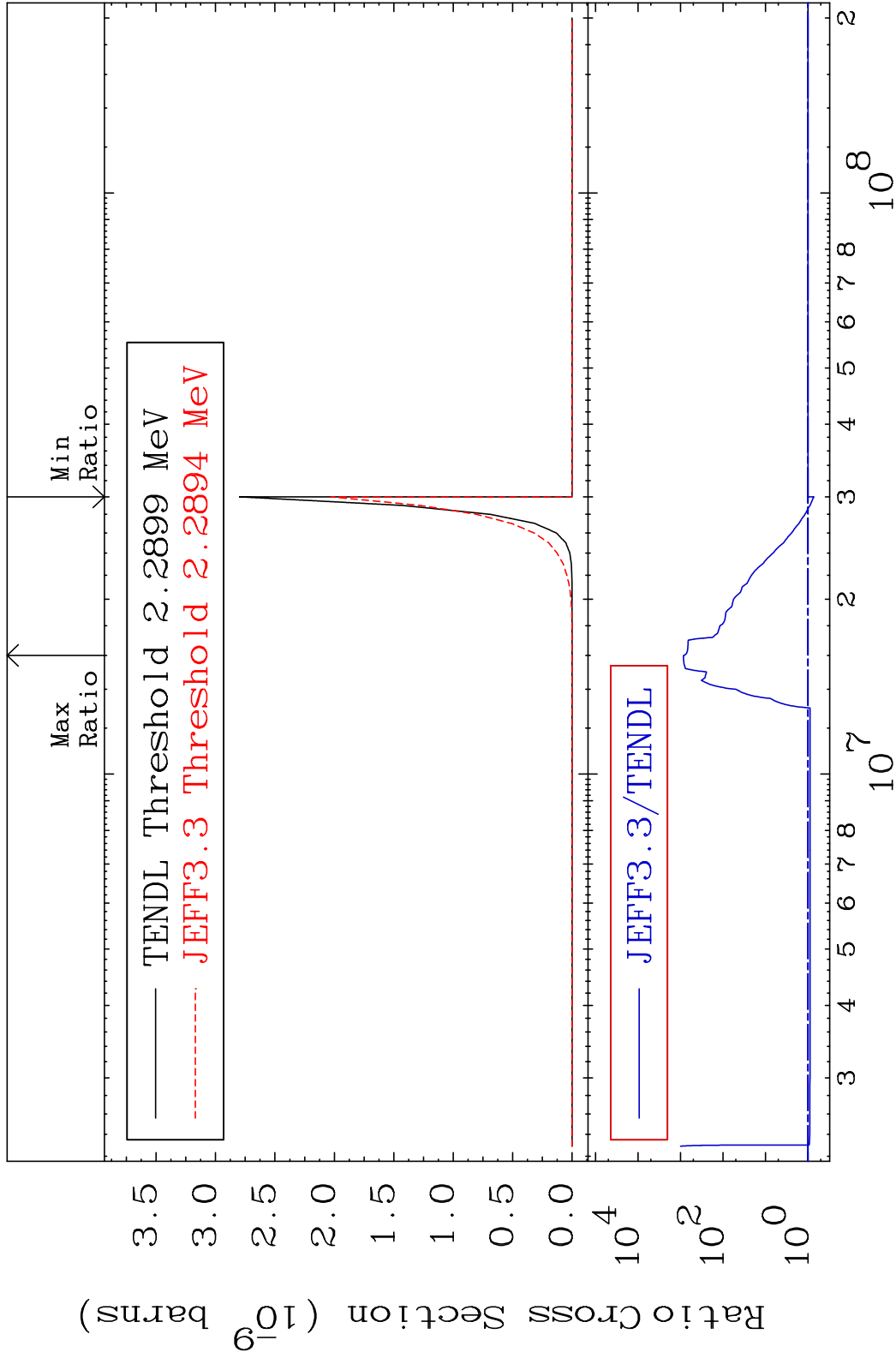
46

Incident Energy (eV)

76-0s-187



MAT 7634 (n, d) α 76-0s-187
 Cross Section -27.55 To 9999. %



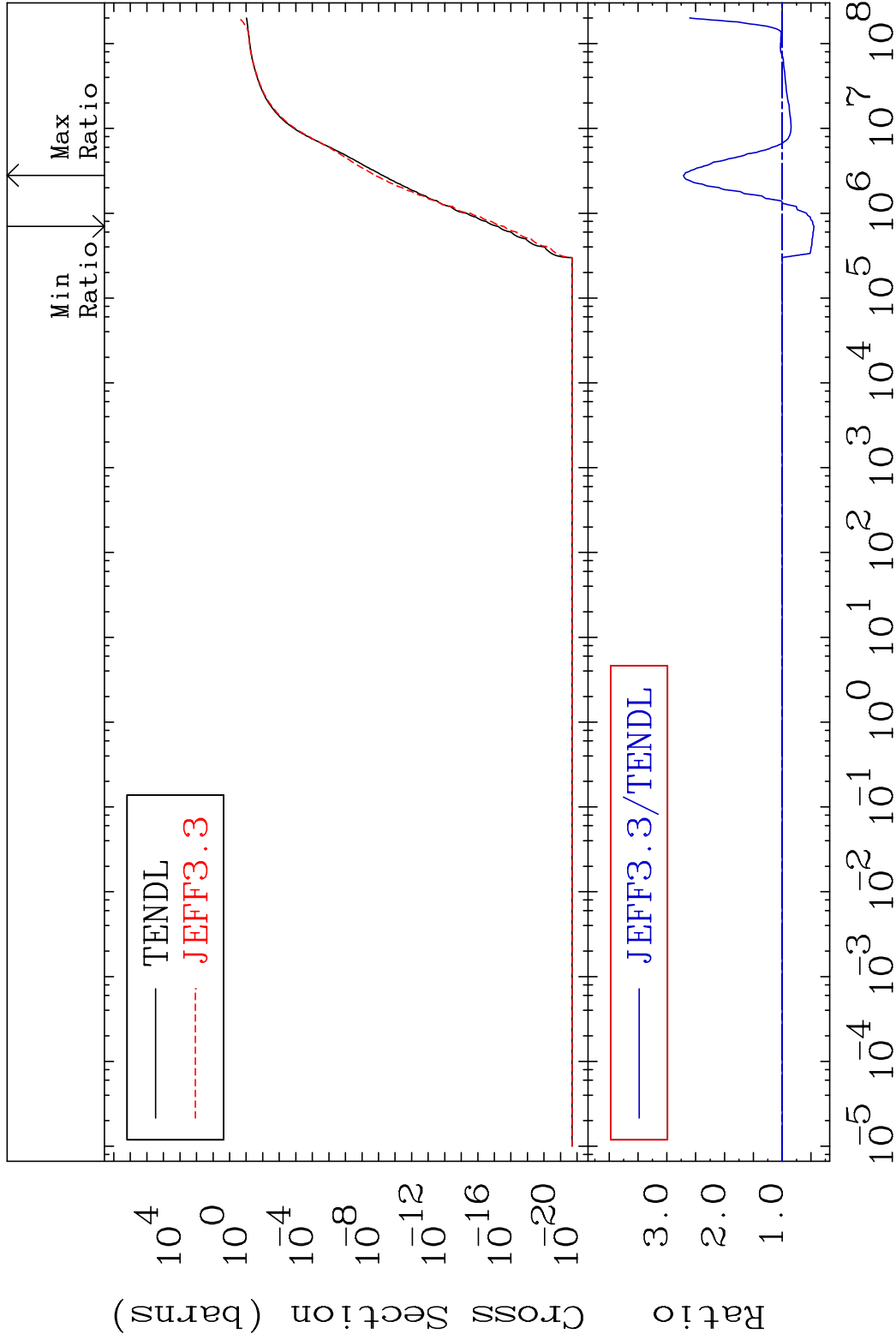
48 76-0s-187

MAT 7634

Hydrogen Production

76-Os-187

Cross Section -54.96 To 171.3 %

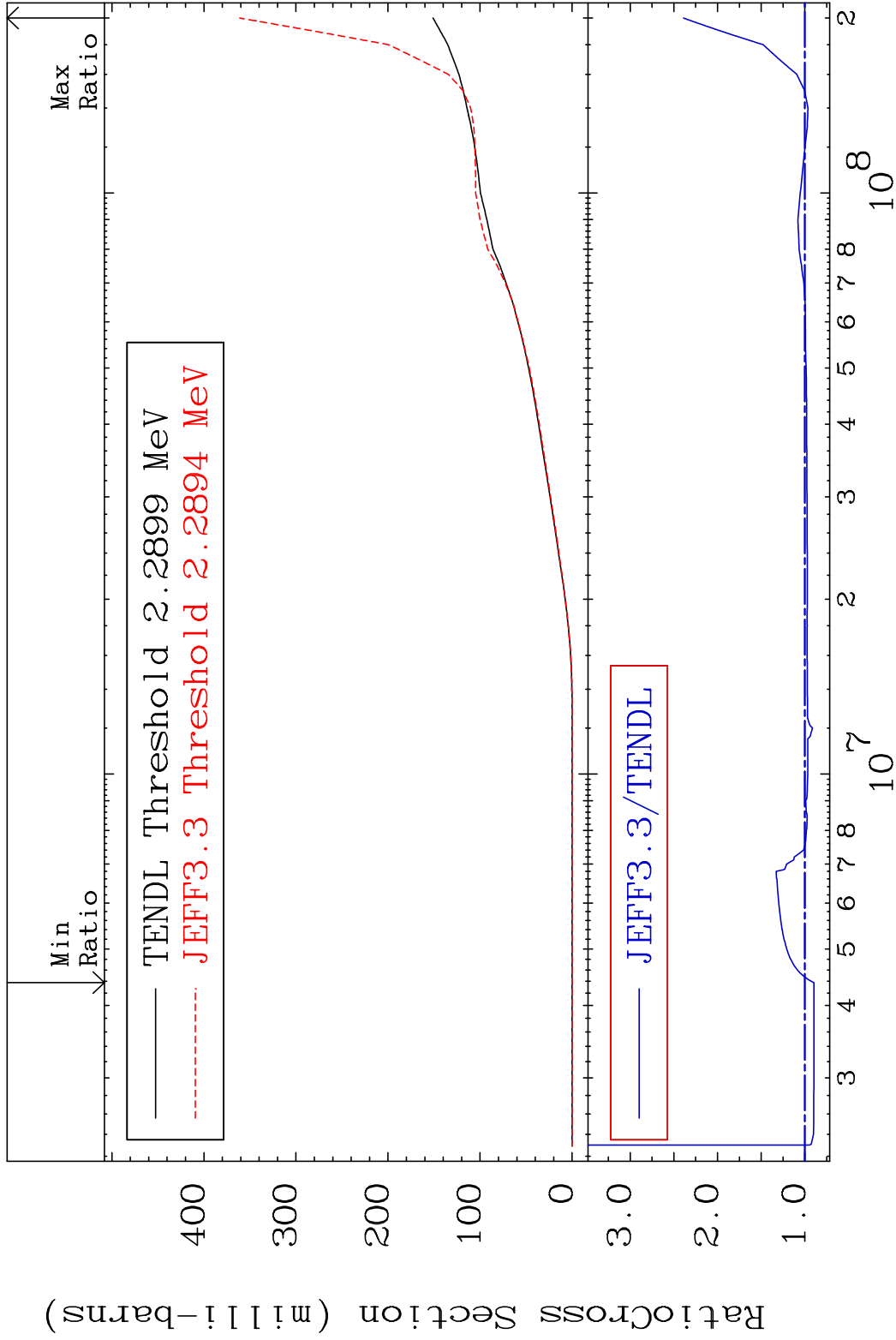


49

Incident Energy (eV)

76-Os-187

MAT 7634 Deuterium Production 76-Os-187
 Cross Section -10.31 To 139.0 %



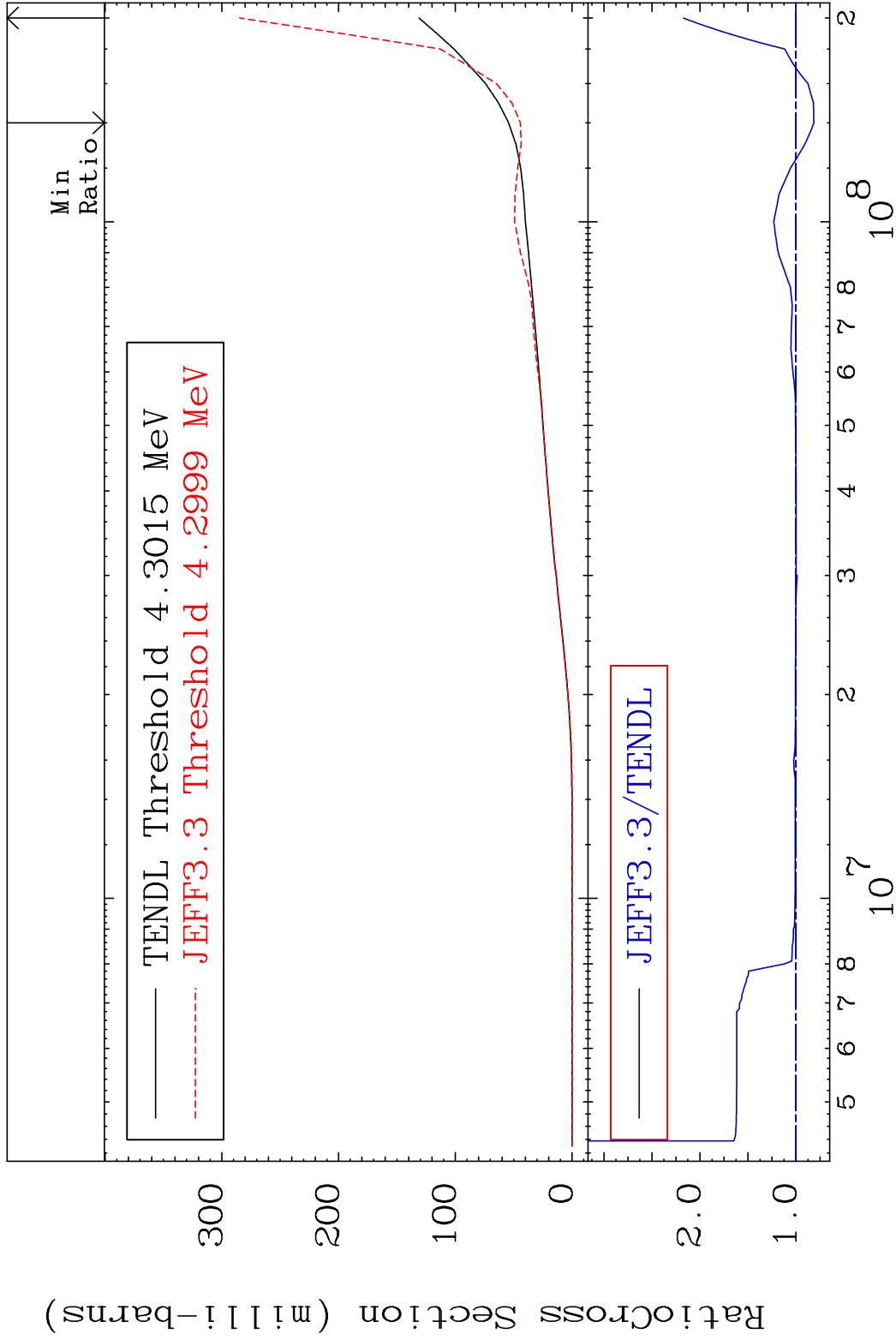
50 76-Os-187

MAT 7634

Tritium Production

⁷⁶Os-¹⁸⁷

Cross Section -18.63 To 117.2 %



51

Incident Energy (eV)

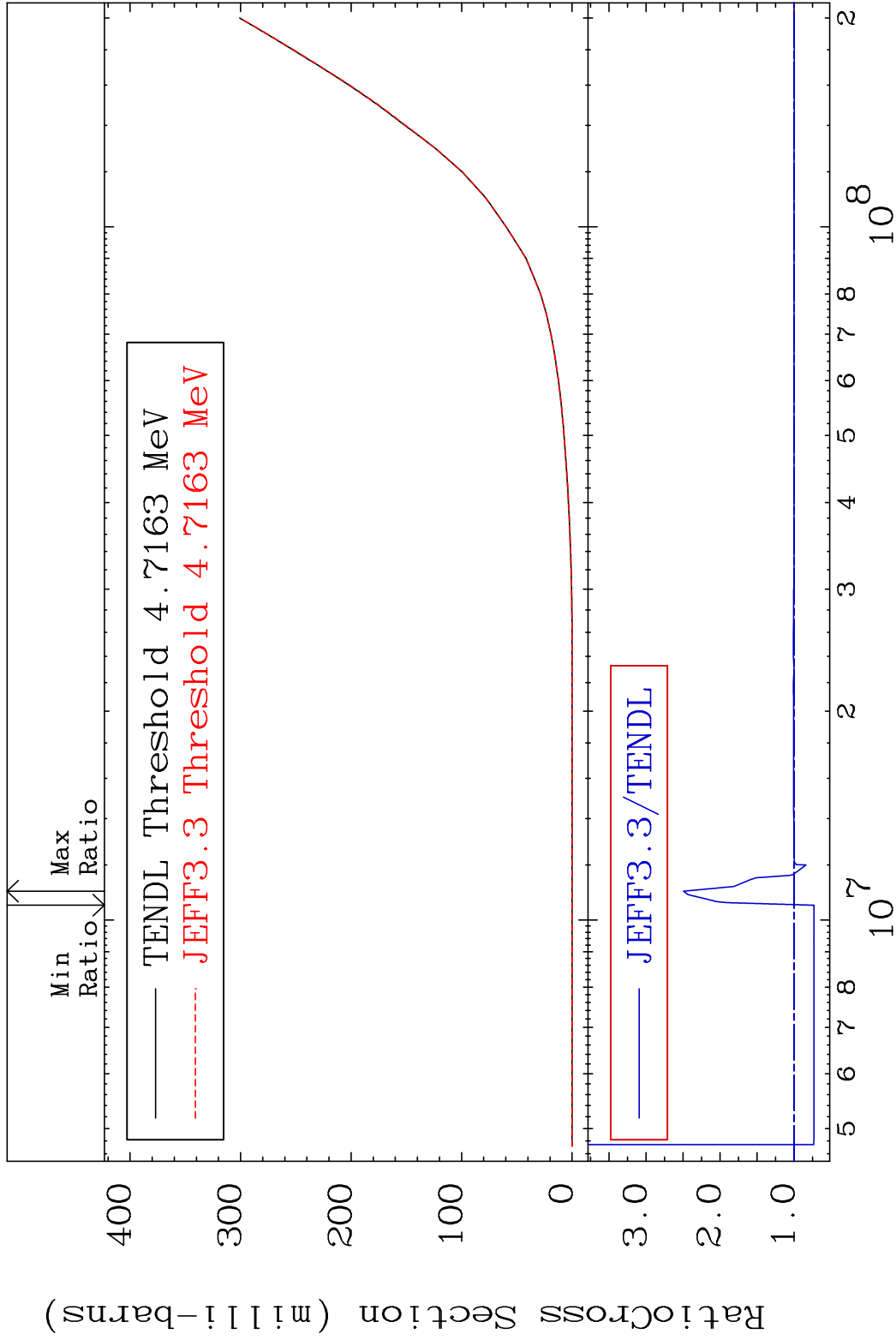
⁷⁶Os-¹⁸⁷

MAT 7634

He-3 Production

76-Os-187

Cross Section -26.84 To 149.4 %



52

Incident Energy (eV)

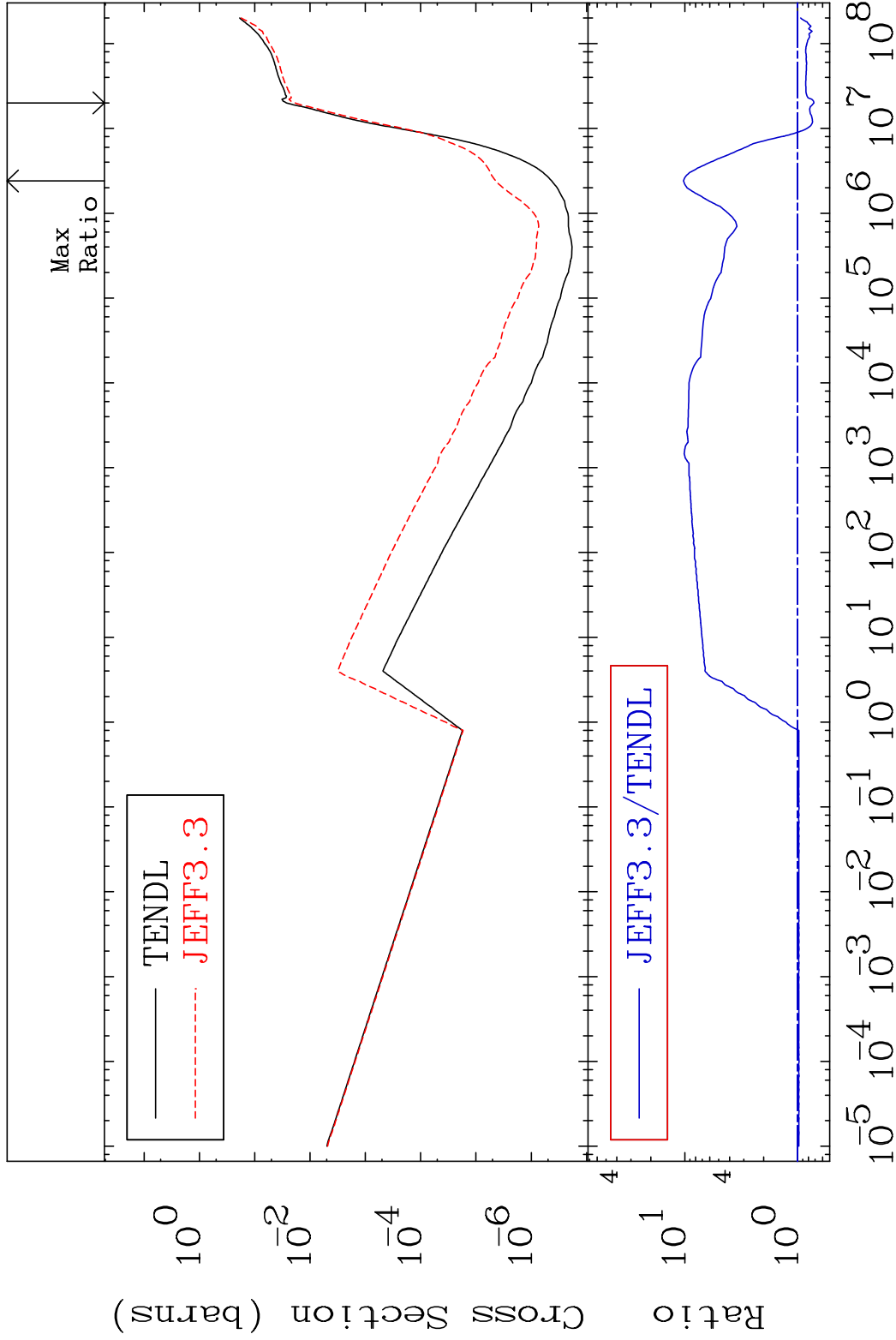
76-Os-187

MAT 7634

He-4 Production

76-0s-187

Cross Section -28.40 To 927.4 %

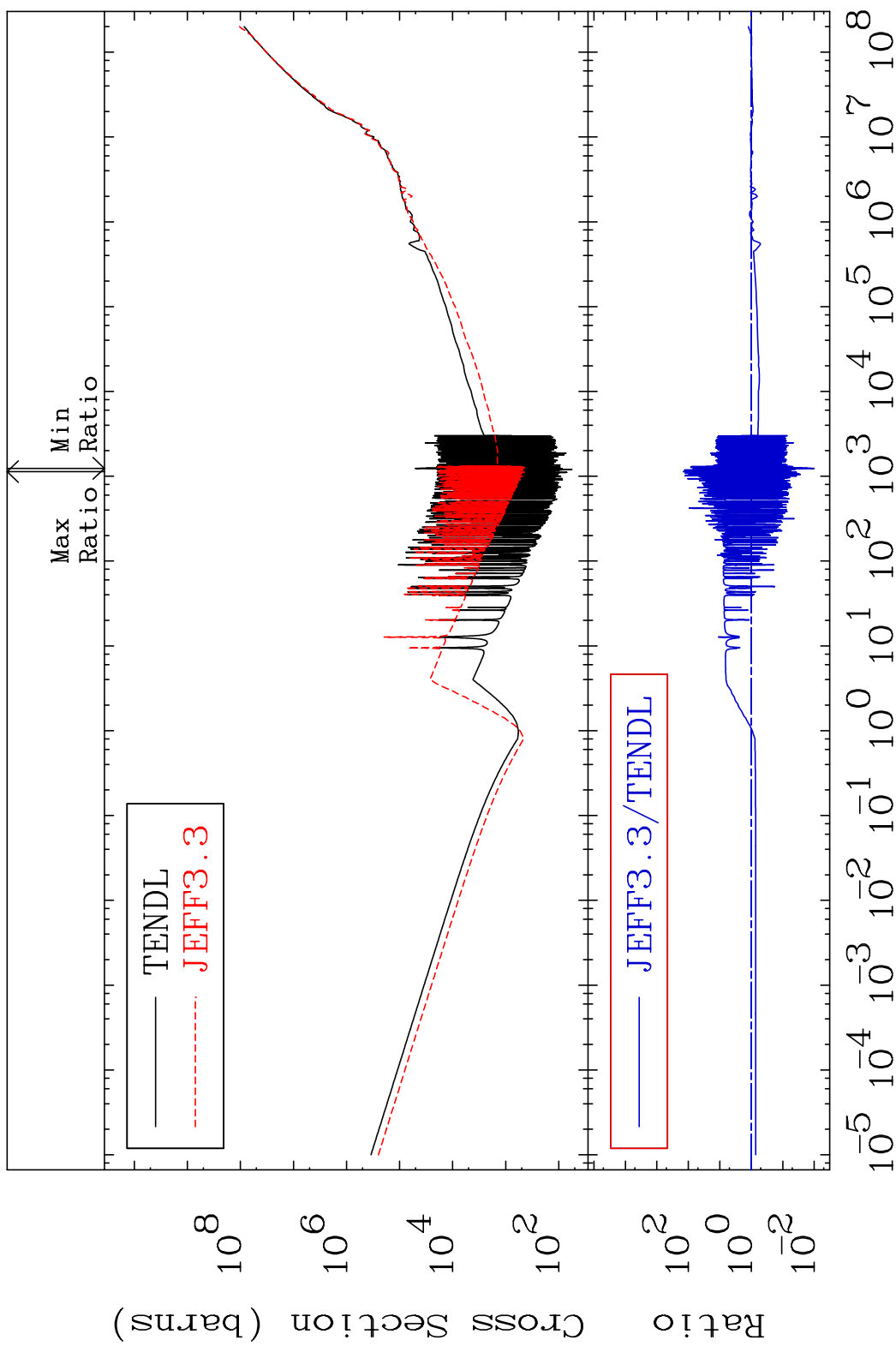


53

Incident Energy (eV)

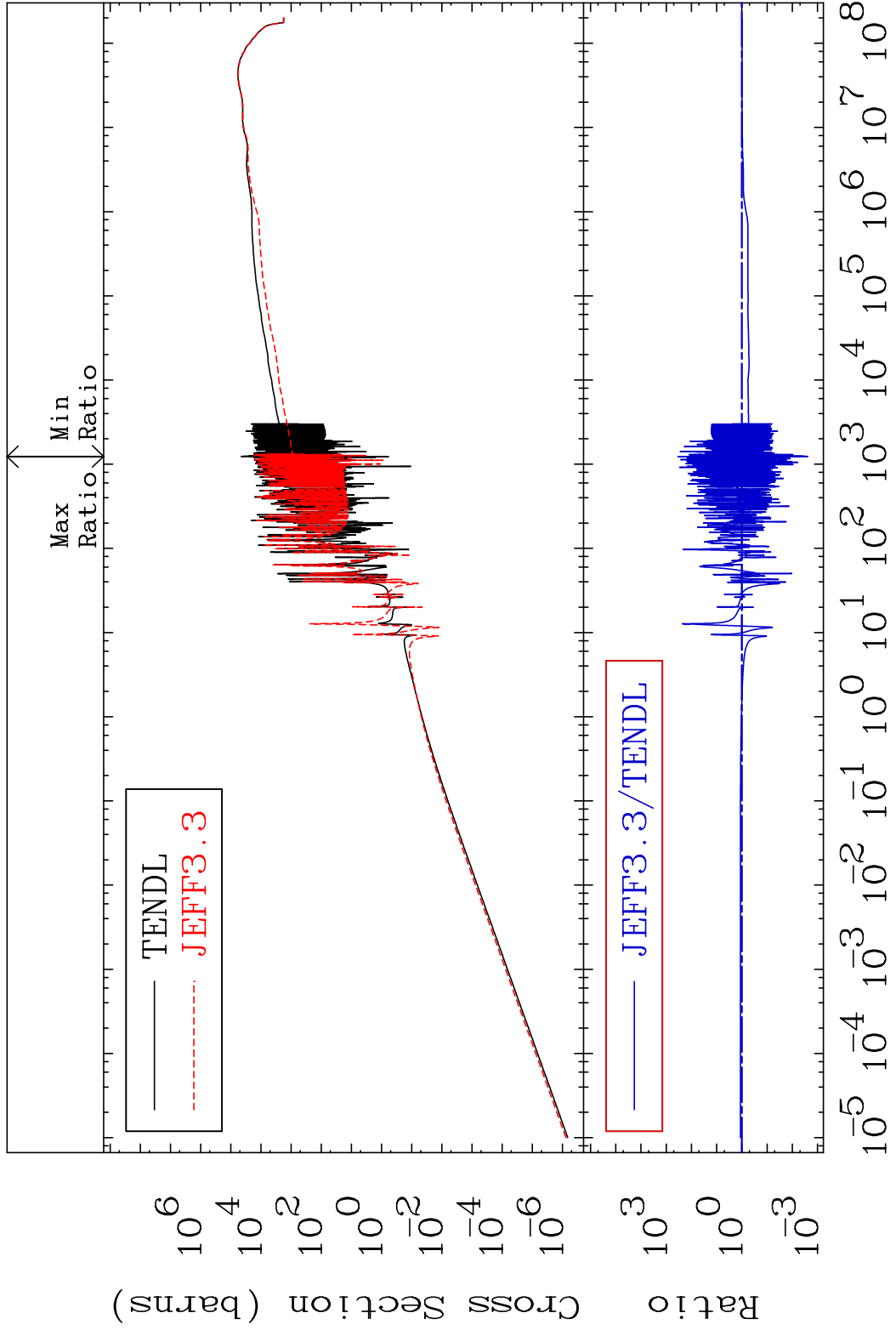
76-0s-187

MAT 7634 Kerma total (eV-barns) 76-0s-187
 Cross Section -98.97 To 9999. %



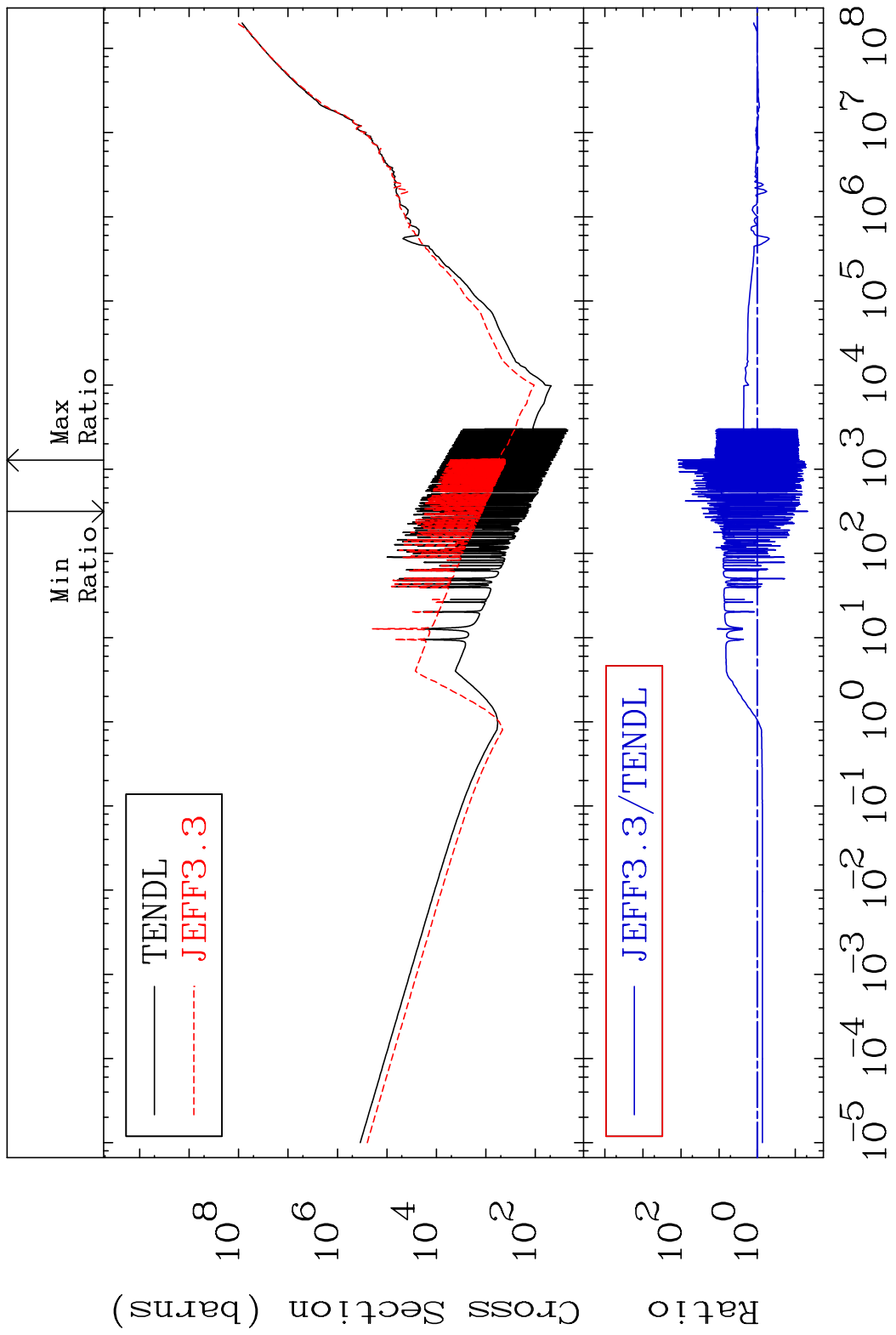
54 Incident Energy (eV) 76-0s-187

MAT 7634 Kerma elastic 76-0s-187
 Cross Section -99.75 To 9999. %



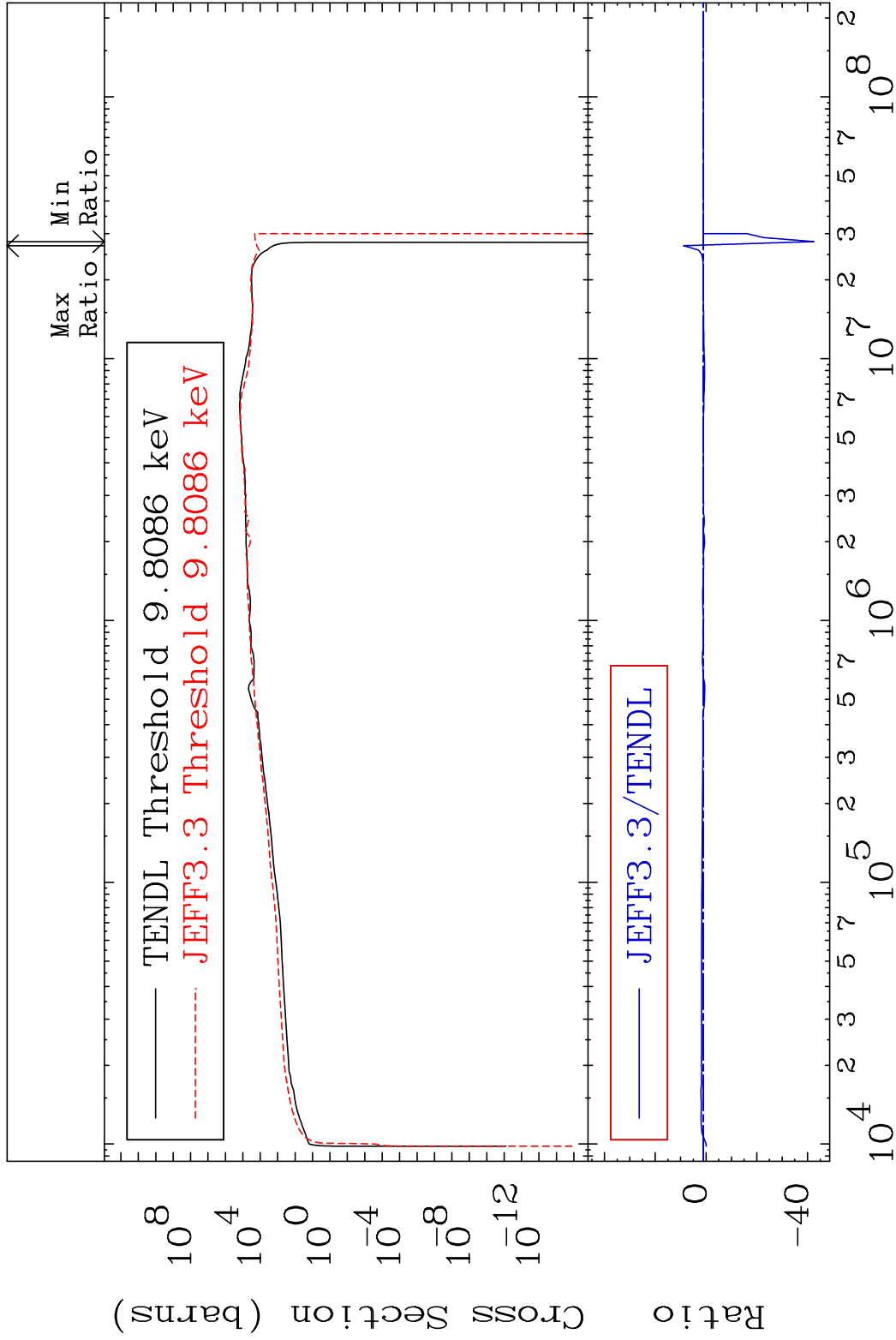
55 Incident Energy (eV) 76-0s-187

MAT 7634 Kerma non-elastic (all but mt2) 76-Os-187
 Cross Section -95.31 To 9999. %



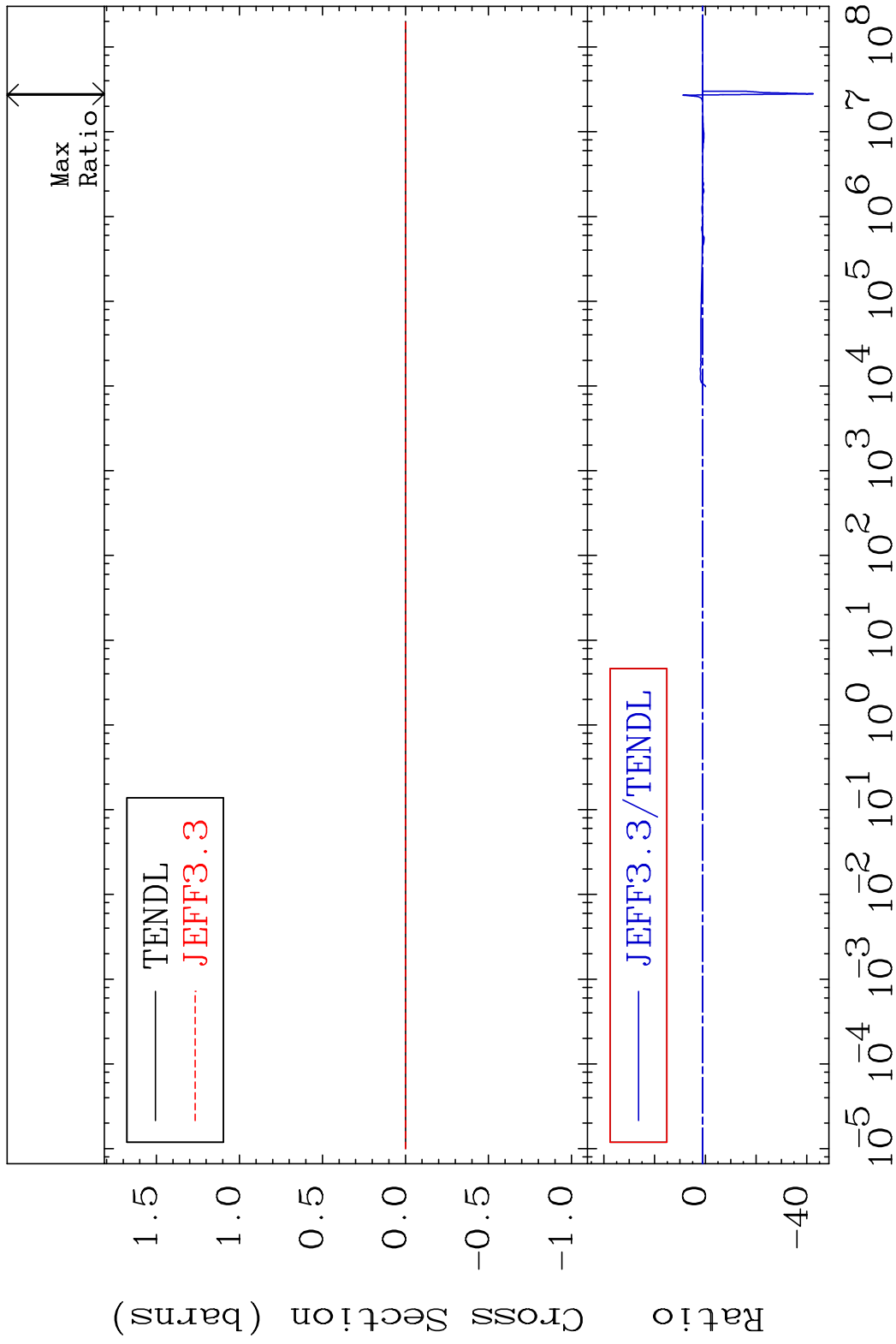
56 Incident Energy (eV) 76-Os-187

MAT 7634 Kerma inelastic (mt51-91) 76-Os-187
 Cross Section -4350. To 788.8 %

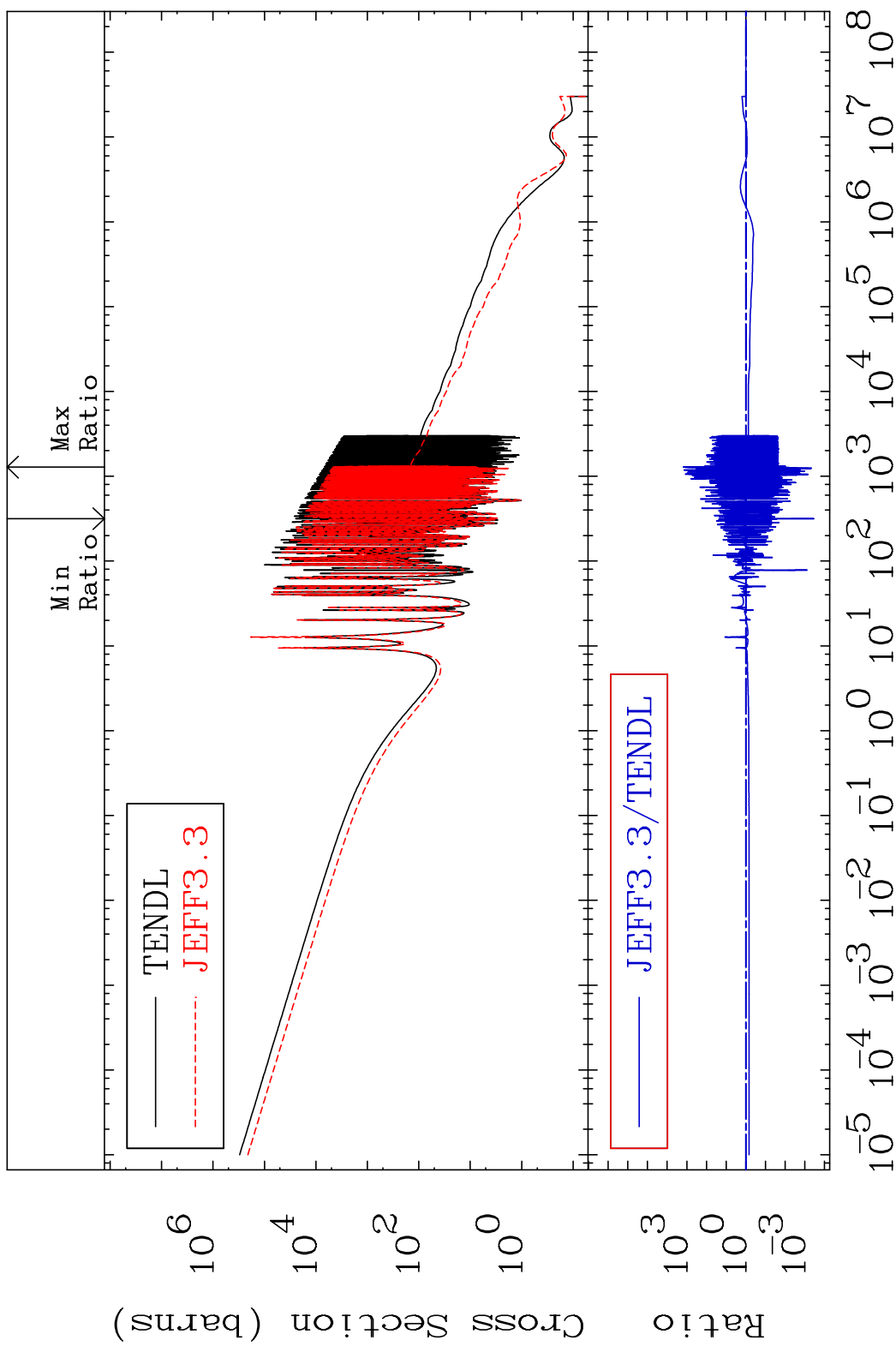


57 Incident Energy (eV) 76-Os-187

MAT 7634 Kerma fission (mt18 or mt19-20-21-38) 76-0s-187
Cross Section -4350. To 788.8 %

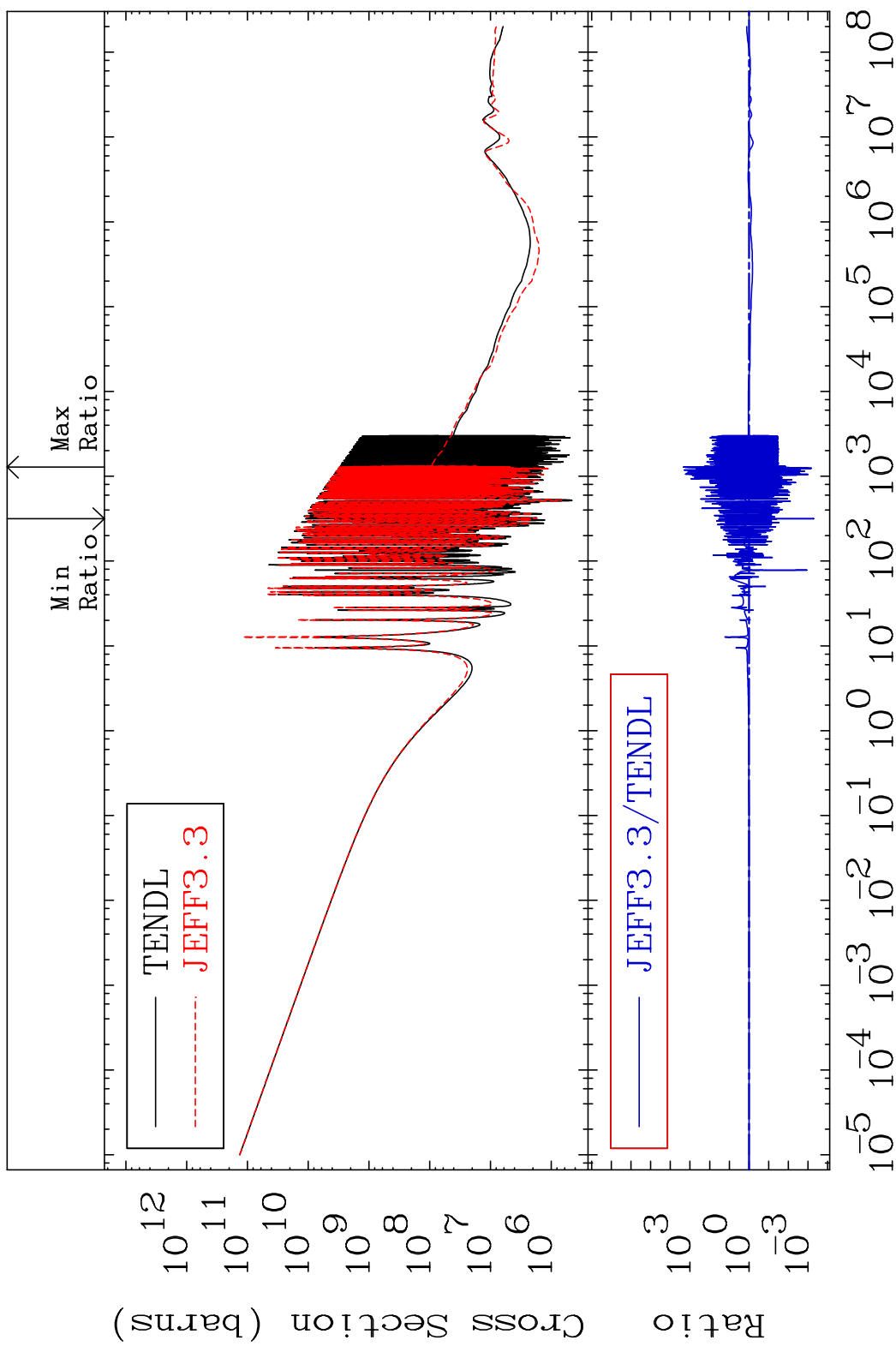


MAT 7634 Kerma capture (mt102) 76-0s-187
 Cross Section -99.97 To 9999. %



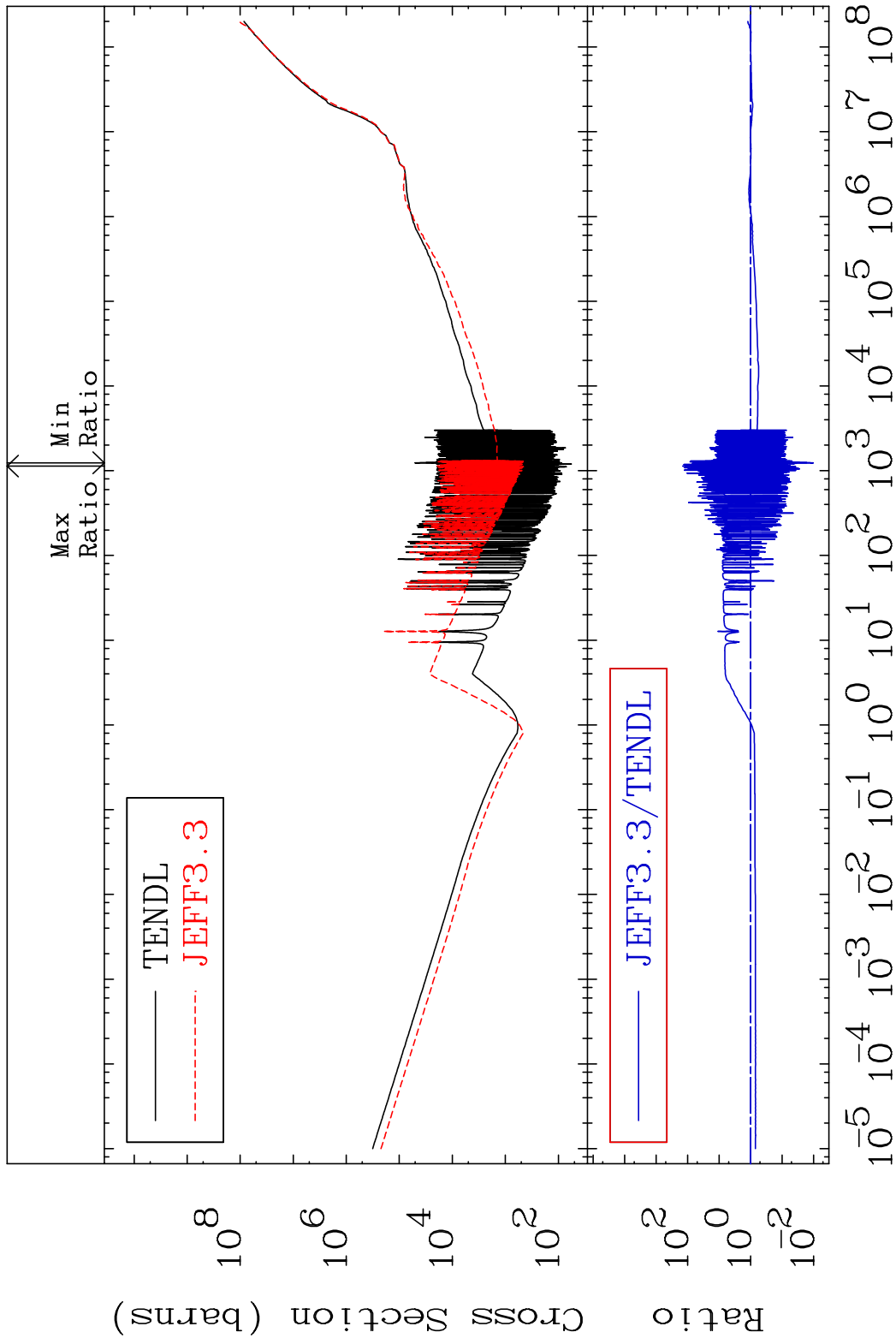
59 Incident Energy (eV) 76-0s-187

MAT 7634 Total photon (eV-barns) 76-0s-187
 Cross Section -99.95 To 9999. %



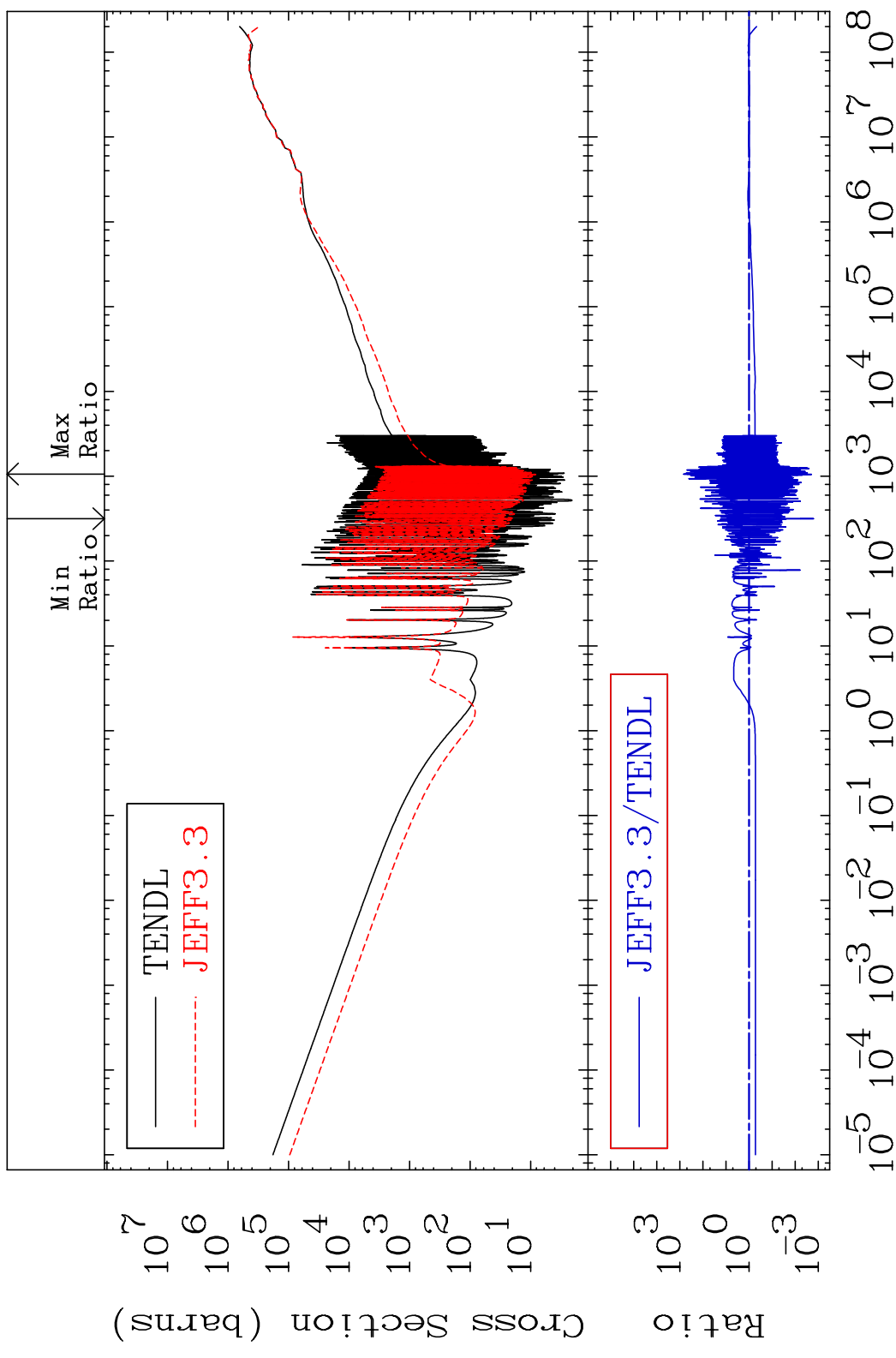
60 Incident Energy (eV) 76-0s-187

MAT 7634 Total kinematic kerma (high limit) 76-0s-187
 Cross Section -98.97 To 9999. %



61 Incident Energy (eV) 76-0s-187

MAT 7634 Dpa total (eV-barns) 76-0s-187
 Cross Section -99.85 To 9999. %



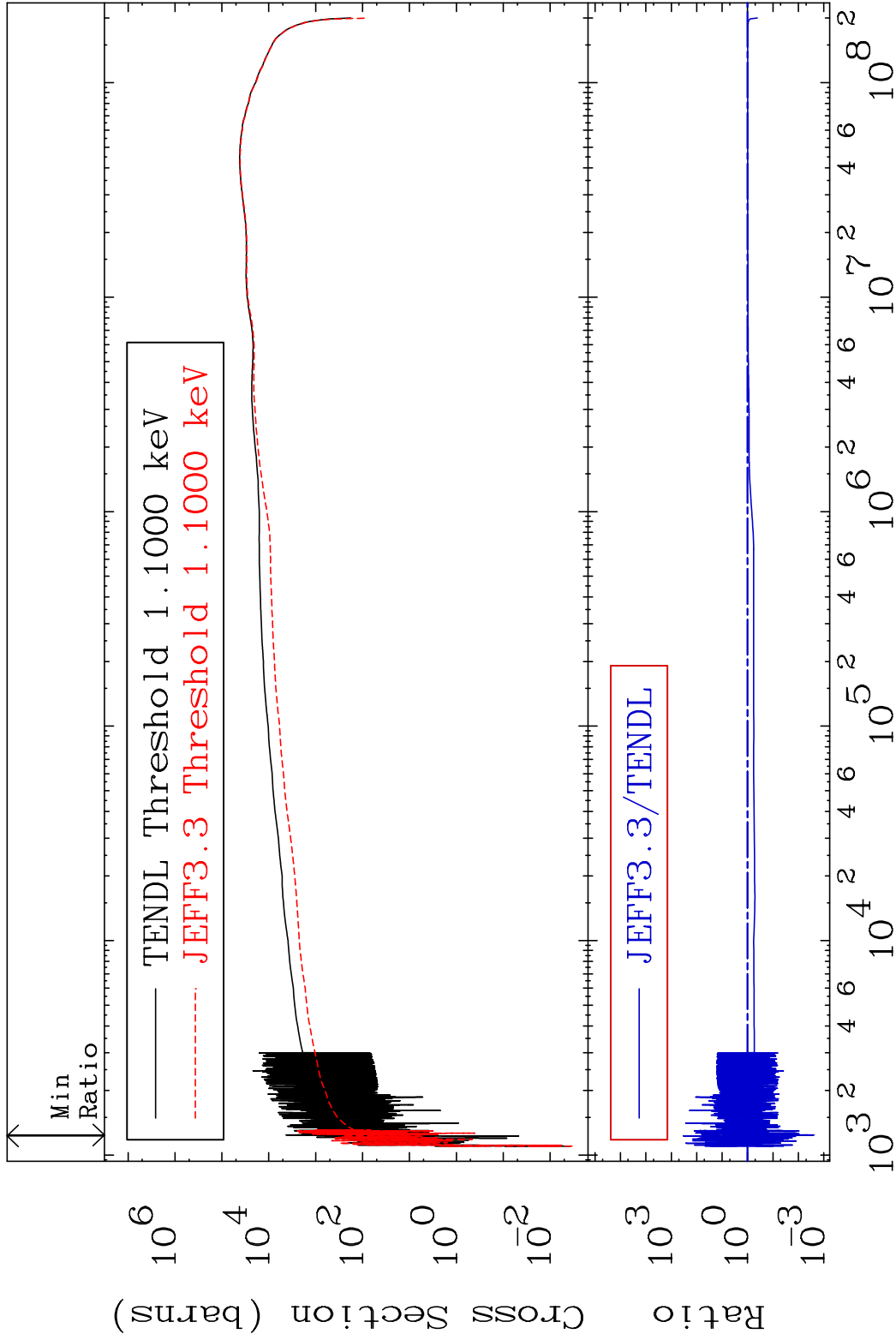
62 Incident Energy (eV) 76-0s-187

MAT 7634

Dpa elastic (mt2)

76-0s-187

Cross Section -99.75 To 9999. %

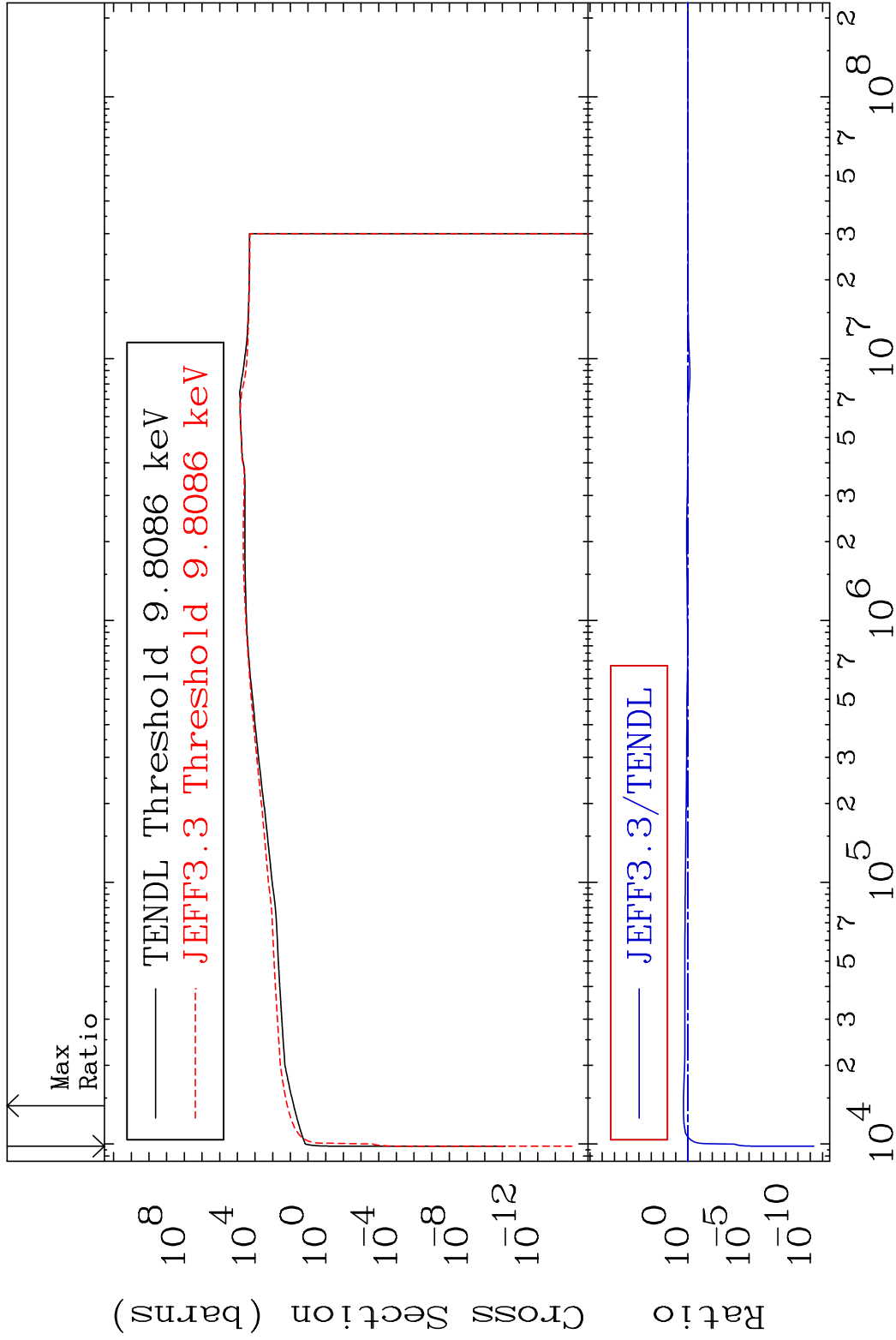


63

Incident Energy (eV)

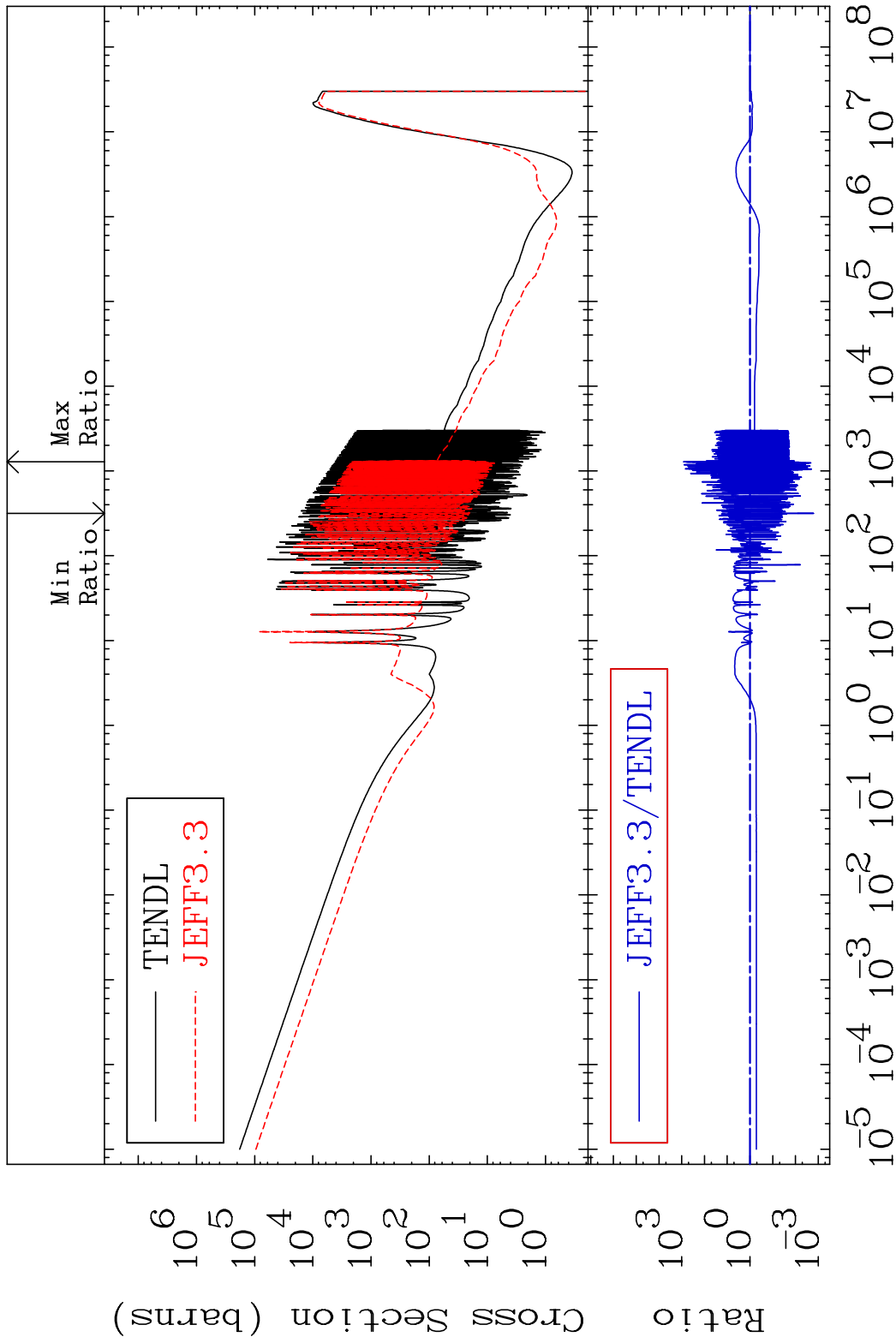
76-0s-187

MAT 7634 Dpa inelastic (mt51-91) 76-Os-187
 Cross Section -100.0 To 130.6 %



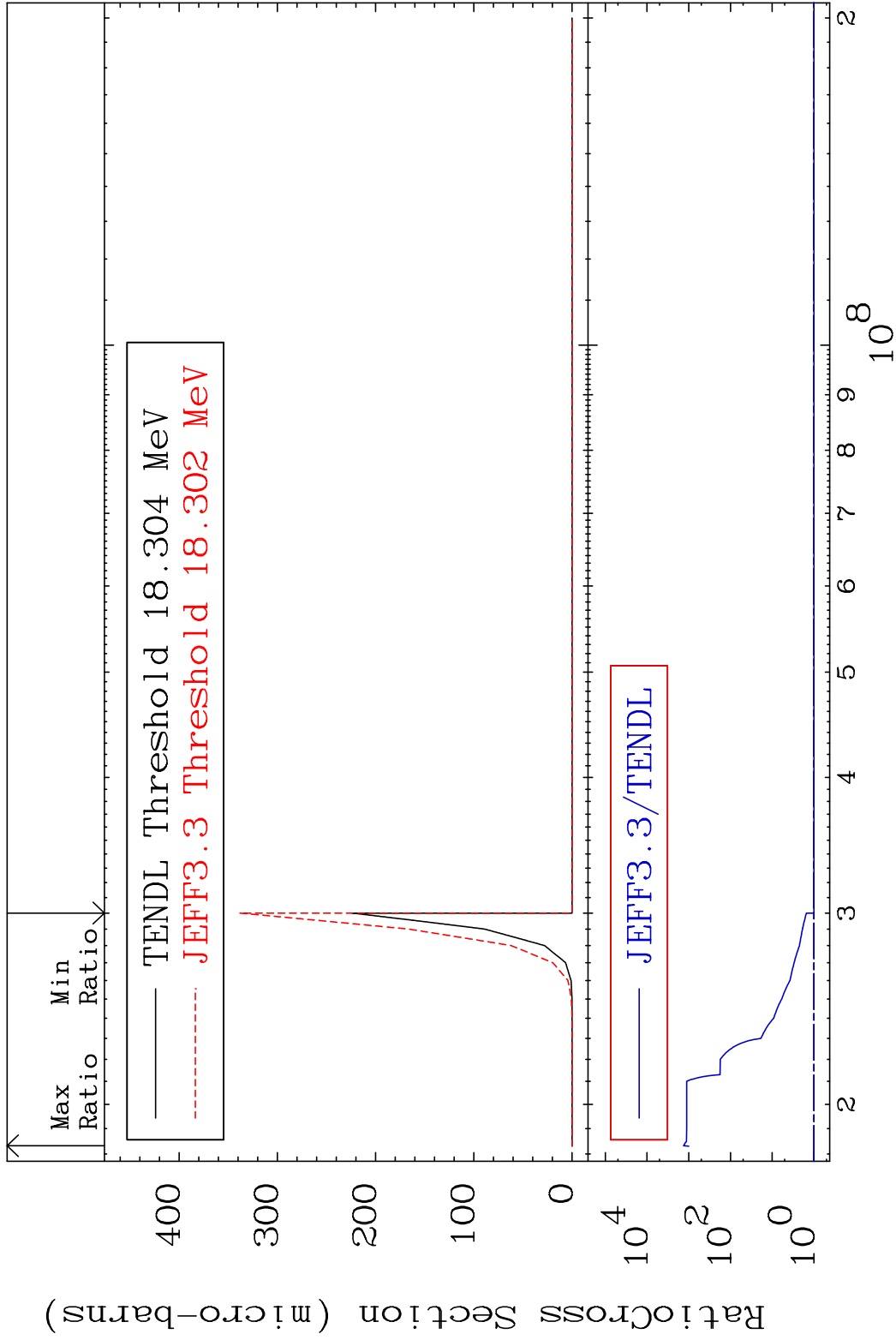
64 Incident Energy (eV) 76-Os-187

MAT 7634 Dpa disappearance (mt102 -120) 76-0s-187
 Cross Section -99.85 To 9999. %

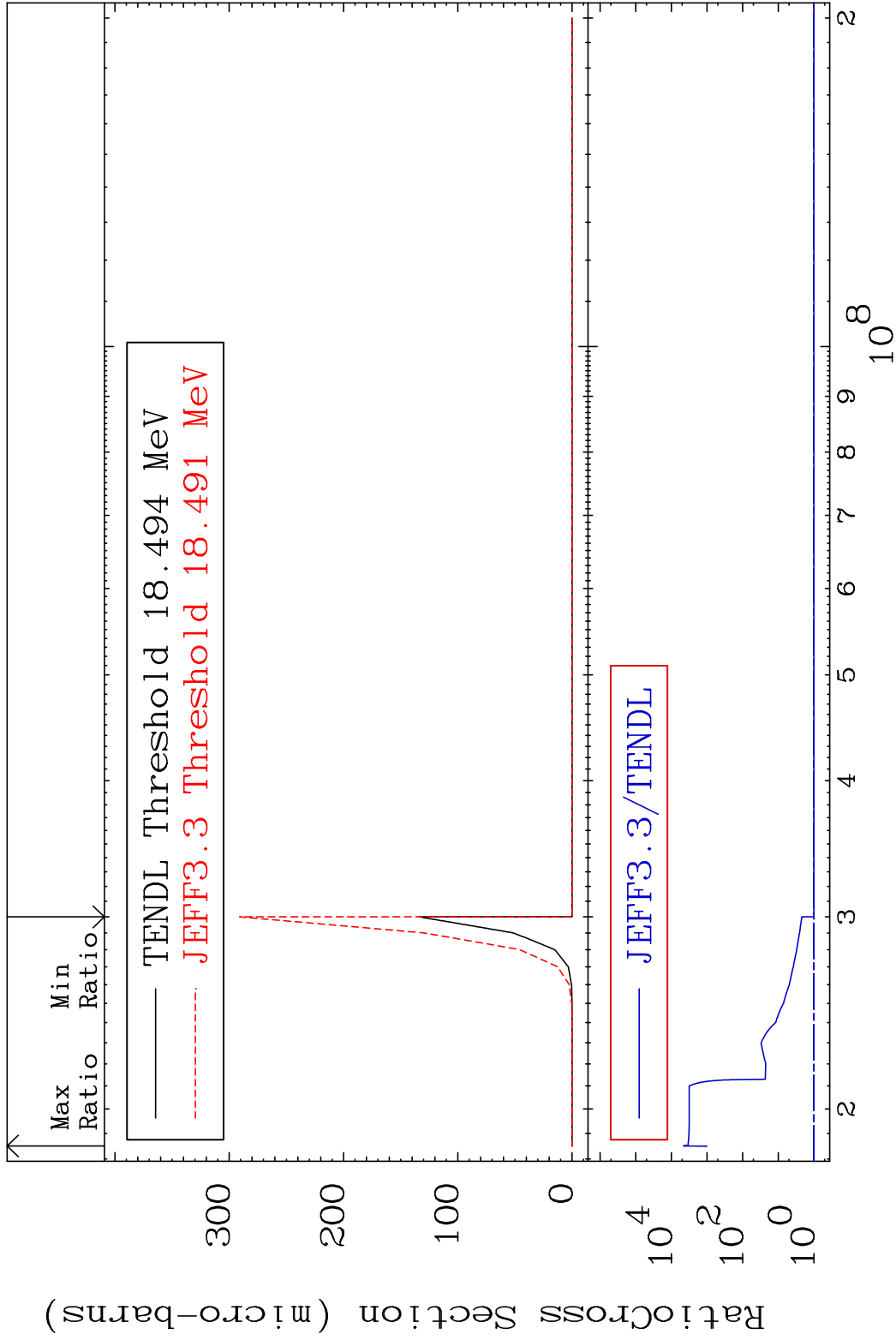


65 Incident Energy (eV) 76-0s-187

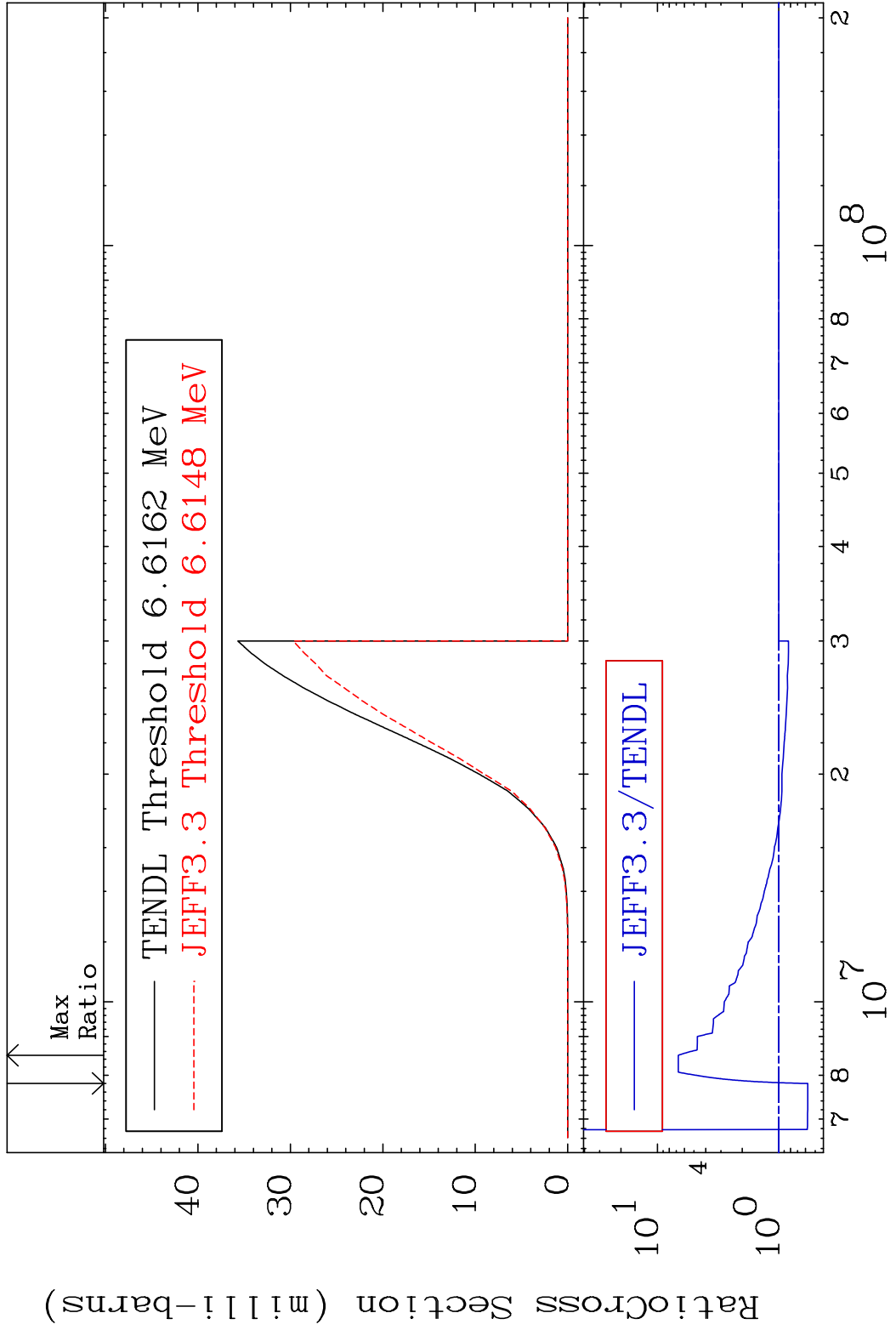
MAT 7634 (n,2n) d:75-Re-184g 76-0s-187
 Radionuclide Production Cross Section 9999. %



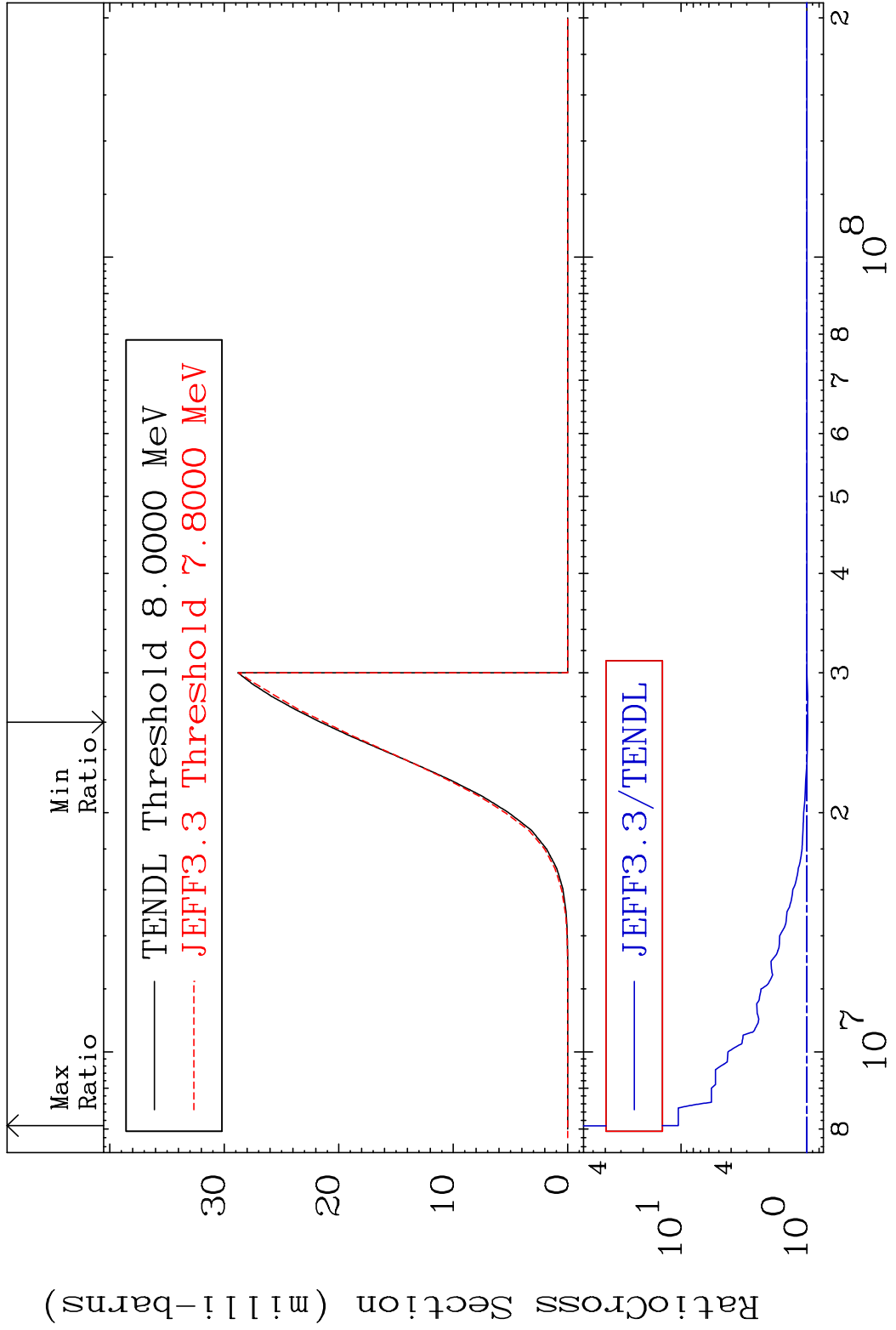
MAT 7634 (n,2n) d:75-Re-184m5 76-0s-187
 Radionuclide Production Cross Section 9999. %



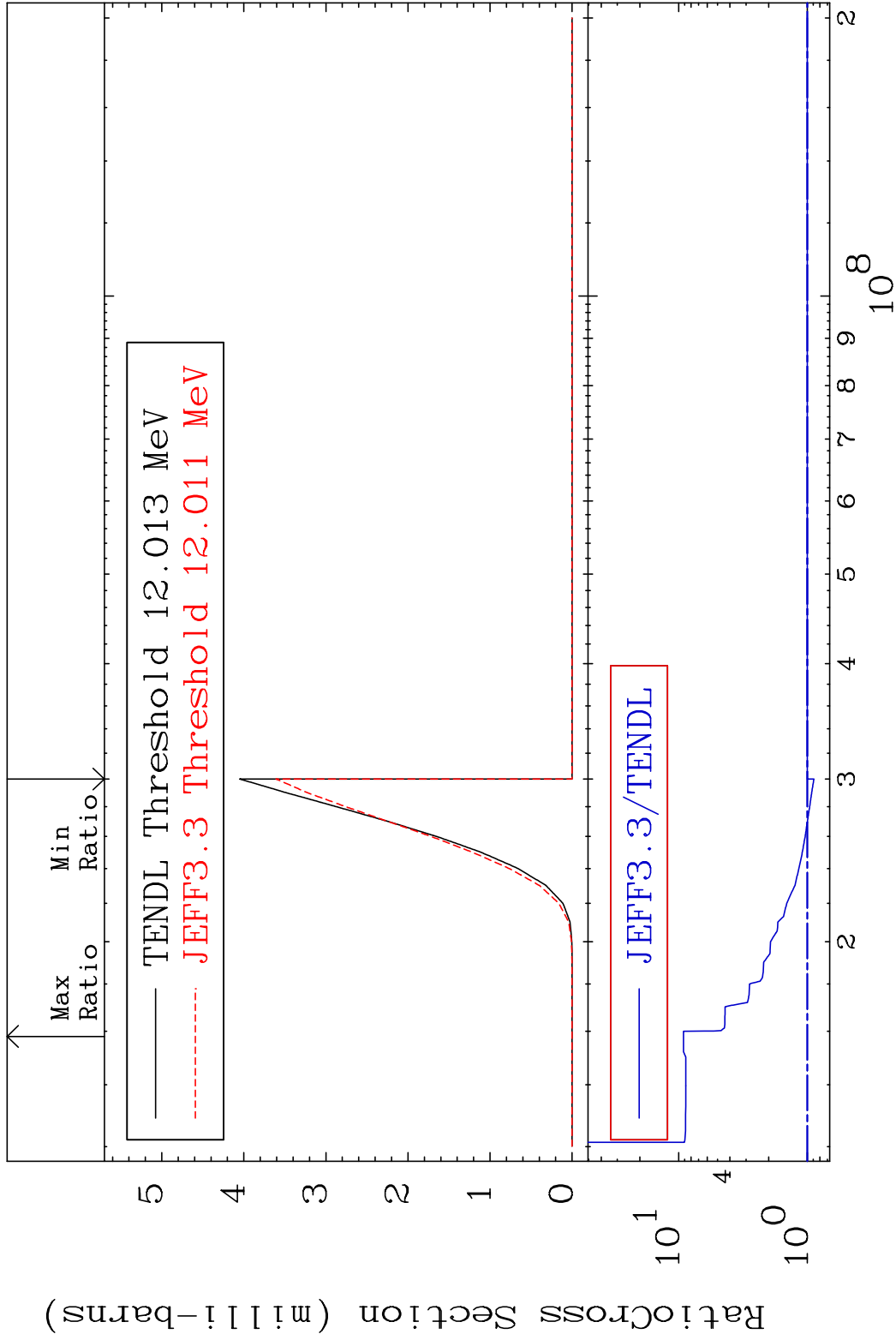
MAT 7634 (n, n') p:75-Re-186g 76-0s-187
 Radionuclide Production Cross Section 42.861 dpo 574.0 %



68 Incident Energy (eV) 76-0s-187

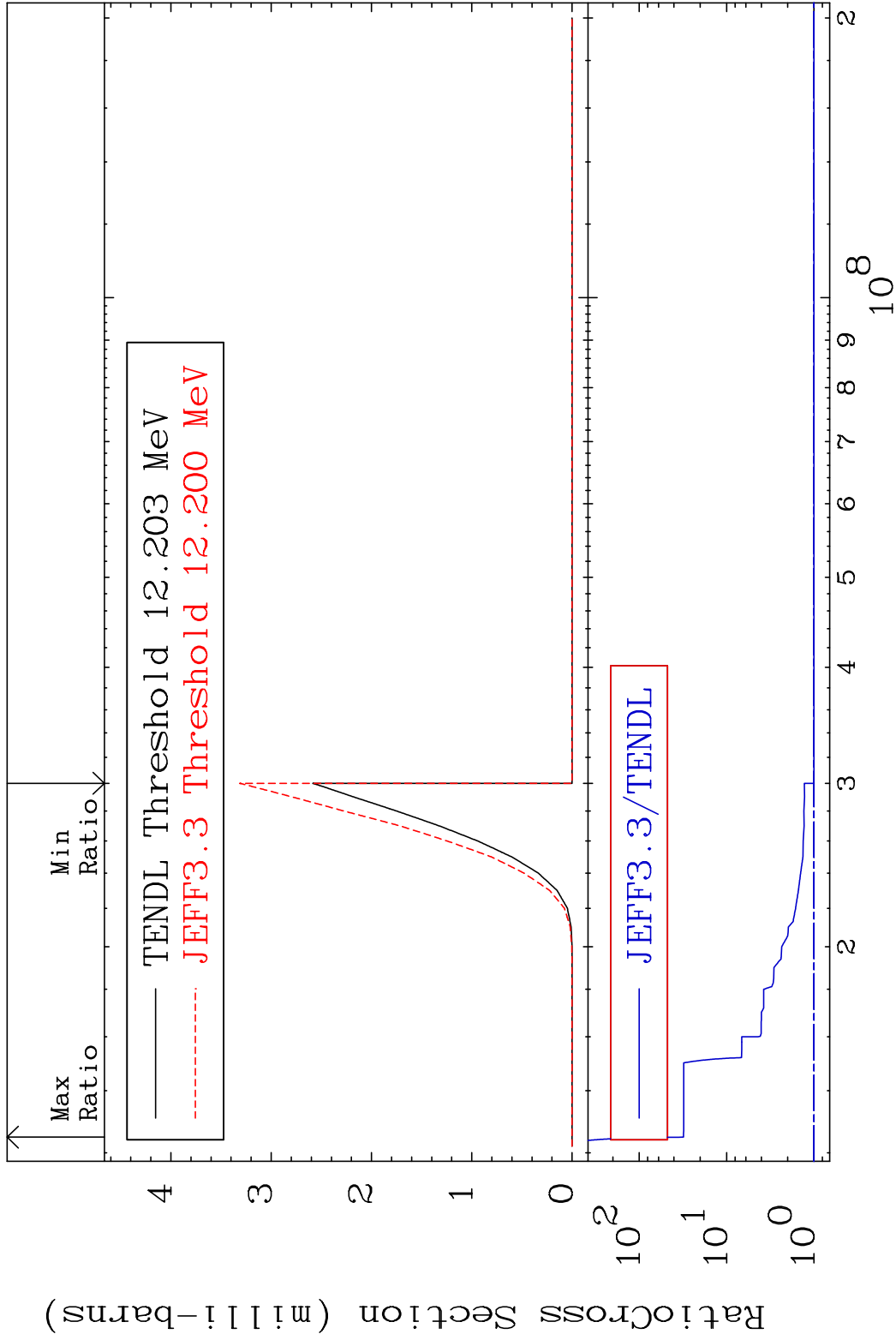


MAT 7634 (n, n') t:75-Re-184g 76-0s-187
 Radionuclide Production Cross Section 817.9 %

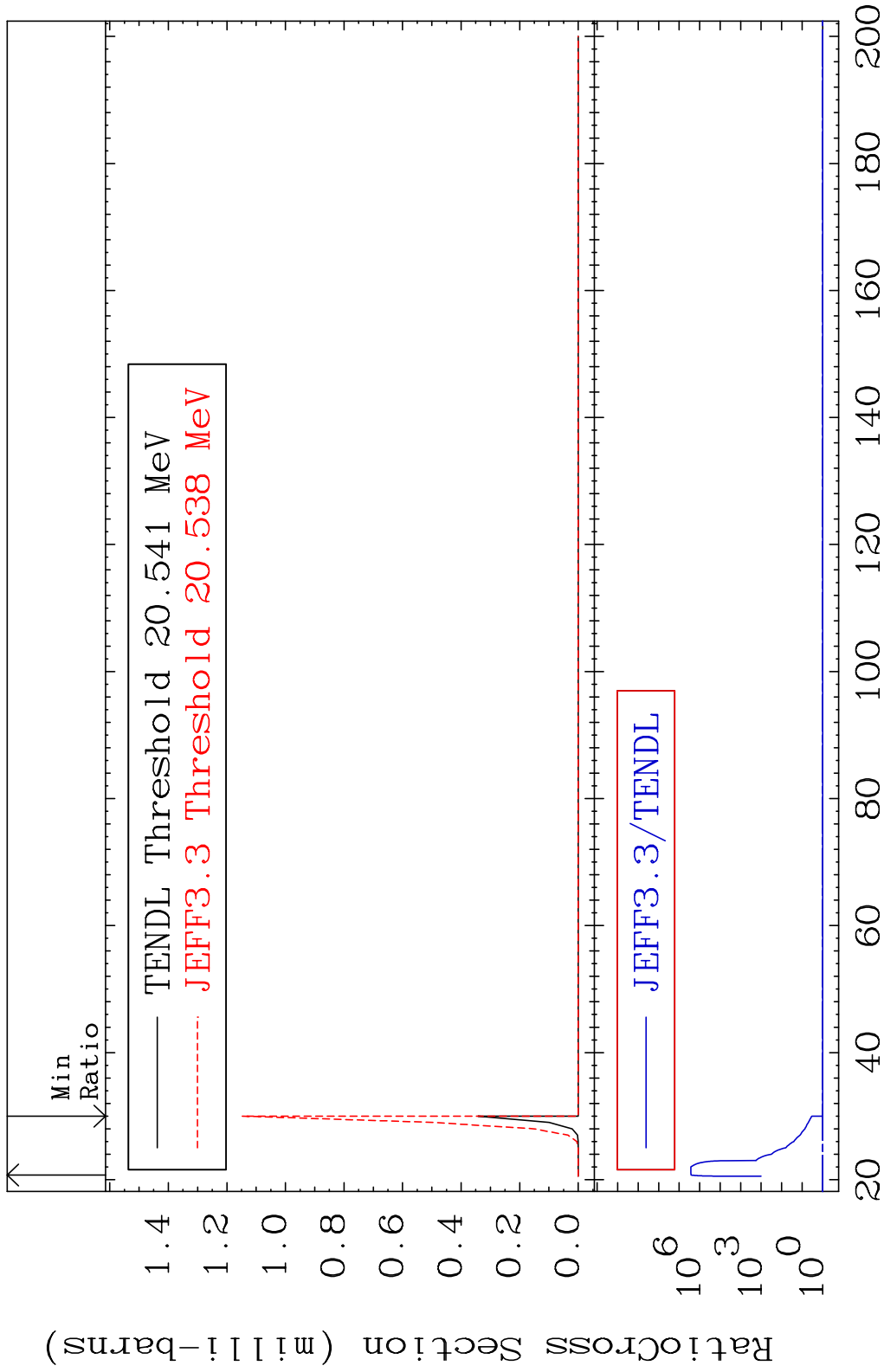


70 76-0s-187

MAT 7634 (n, n') t:75-Re-184m5 76-0s-187
 Radionuclide Production Cross Section 3017. %

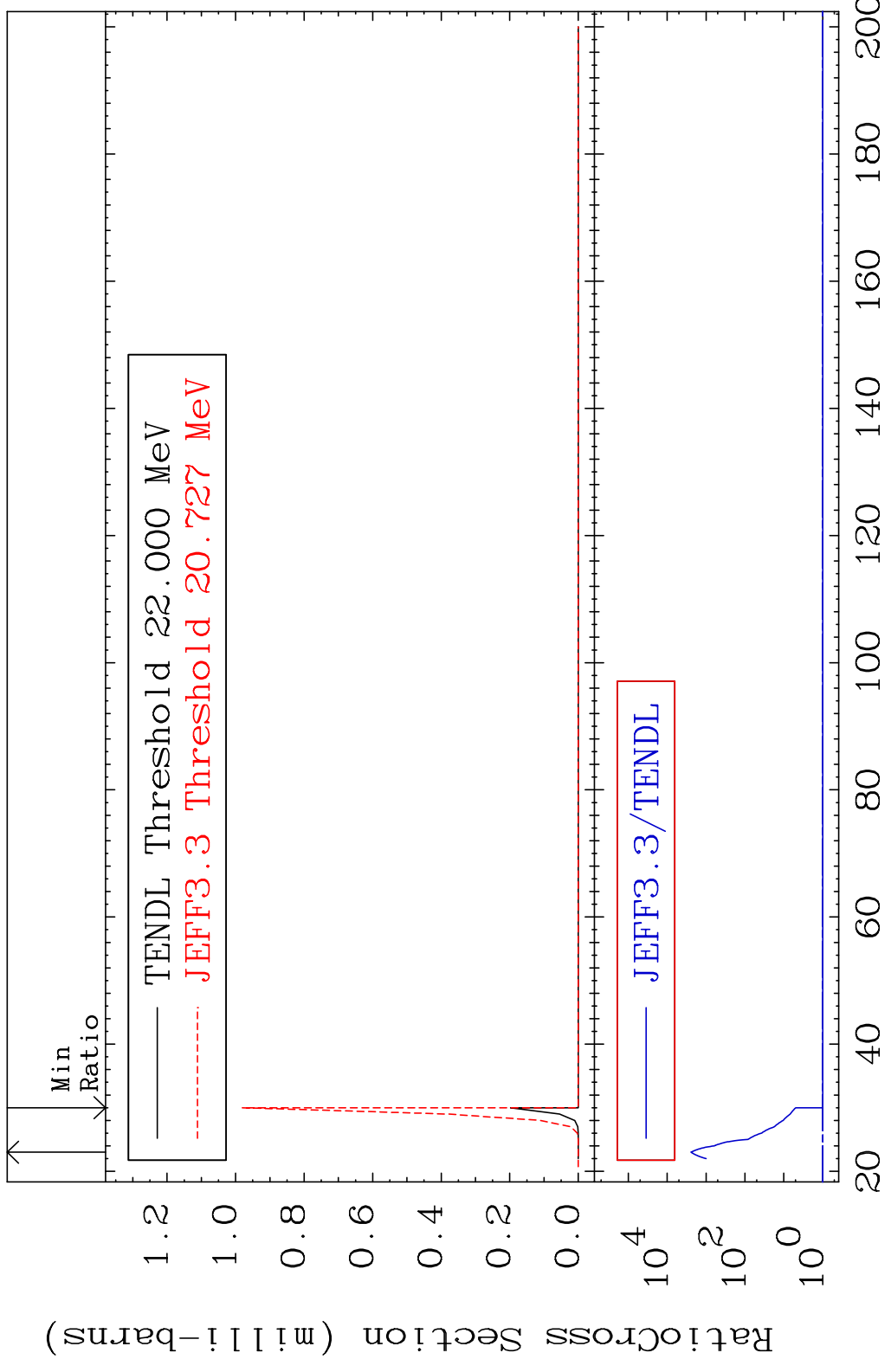


MAT 7634 (n,3n) p:75-Re-184g 76-0s-187
 Radionuclide Production Cross Section 9999. %



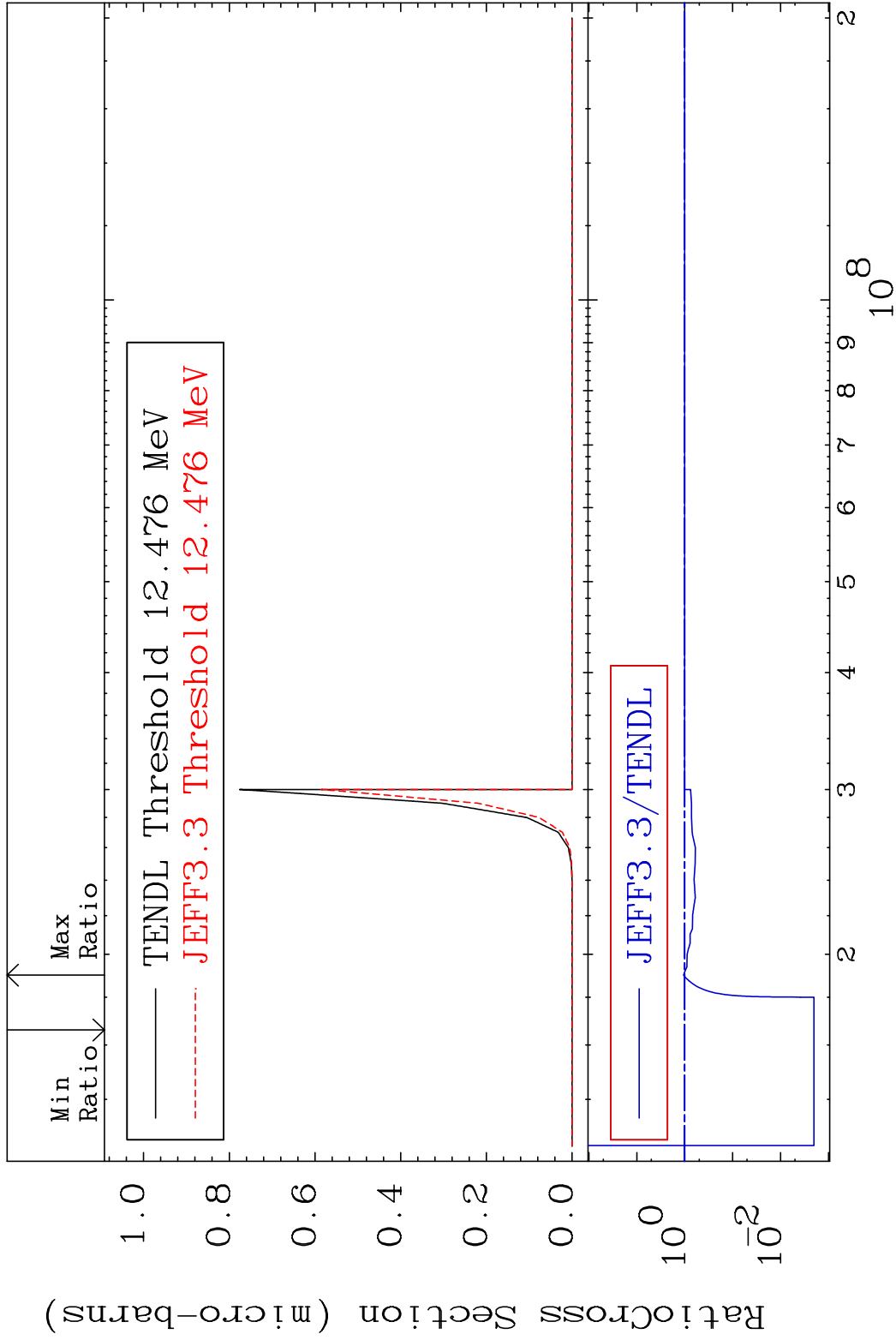
72 Incident Energy (MeV) 76-0s-187

MAT 7634 (n,3n) p:75-Re-184m5 76-0s-187
 Radionuclide Production Cross Section 9999. %



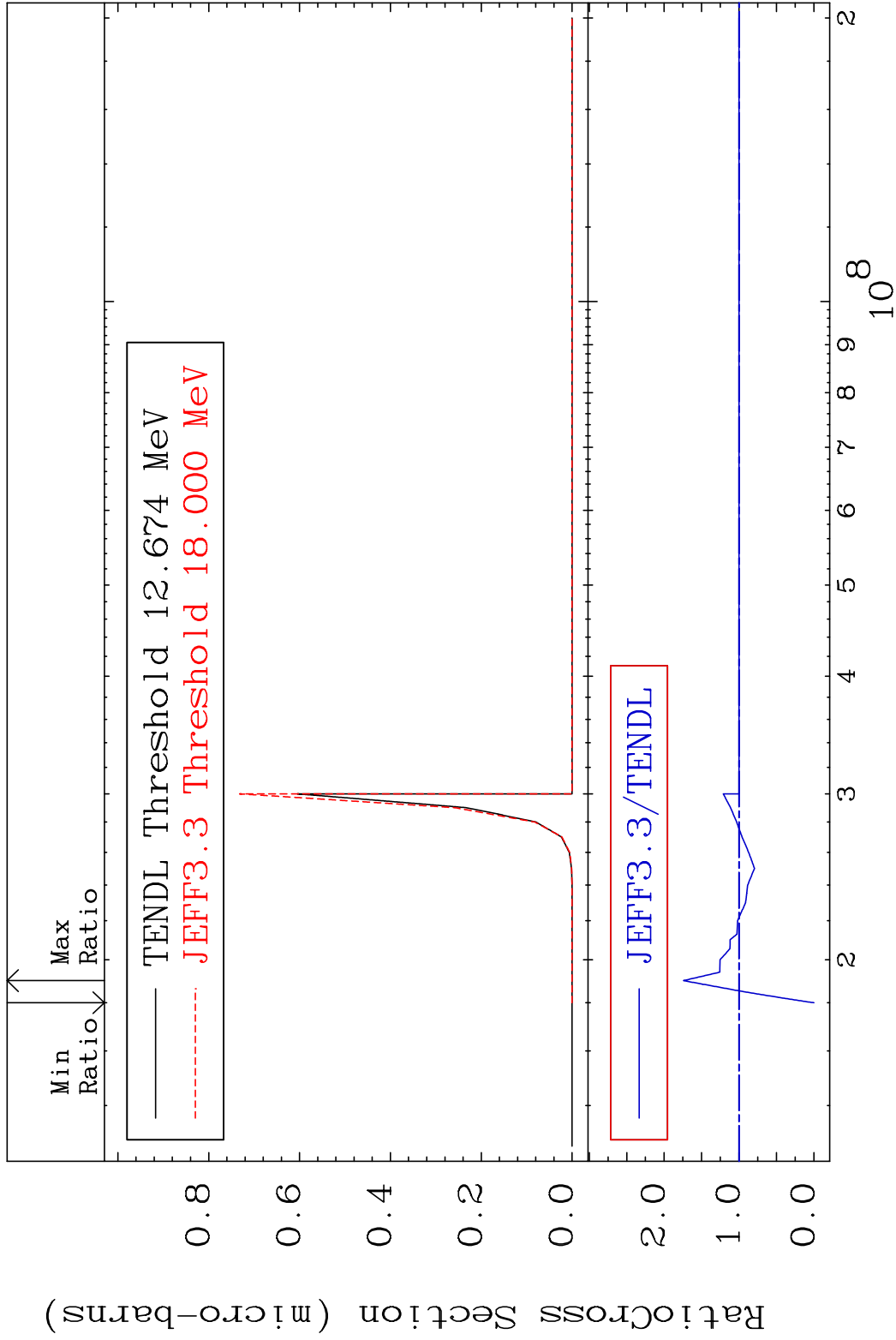
73 Incident Energy (MeV) 76-0s-187

MAT 7634 (n,2n) p:74-W -185g 76-0s-187
 Radionuclide Production Cross Section 99Se 6.387 %



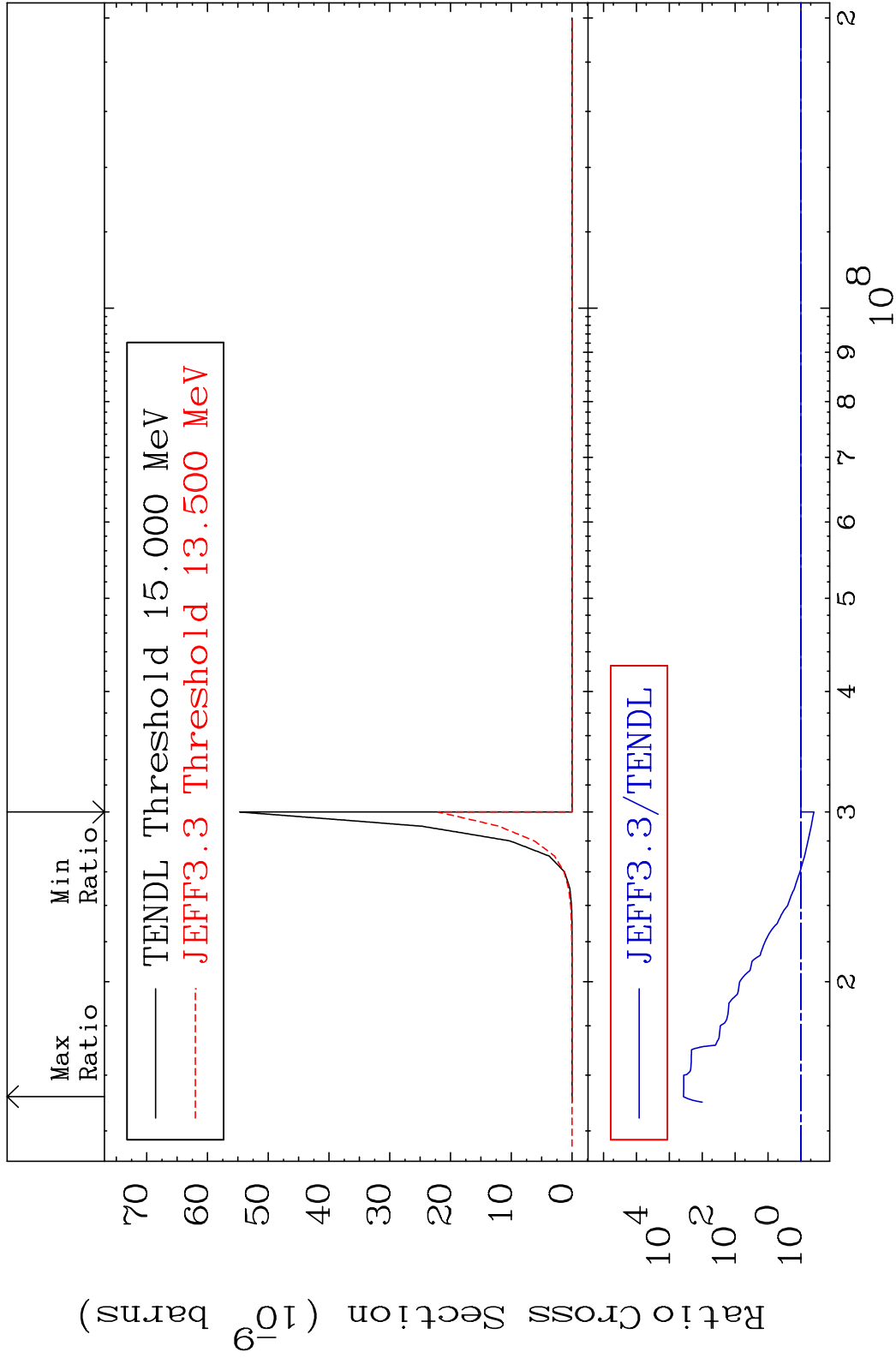
74 Incident Energy (eV) 76-0s-187

MAT 7634 (n,2n) p:74-W -185m6 76-0s-187
 Radionuclide Production Cross Section 18000000 74.23 %



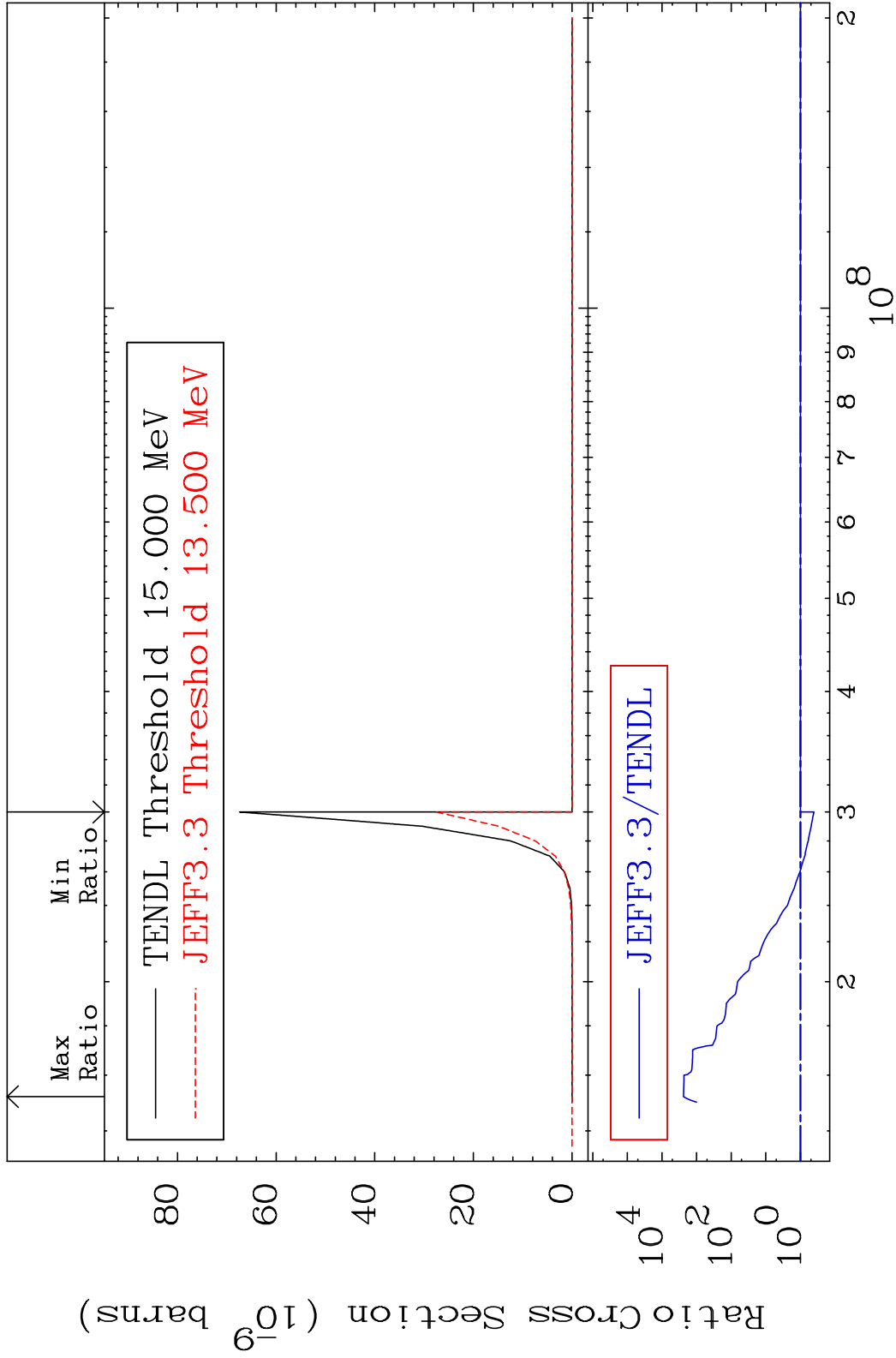
75 Incident Energy (eV) 76-0s-187

MAT 7634 (n, n') p α : 73-Ta-182g 76-0s-187
 Radionuclide Production Cross Section to 9999. %



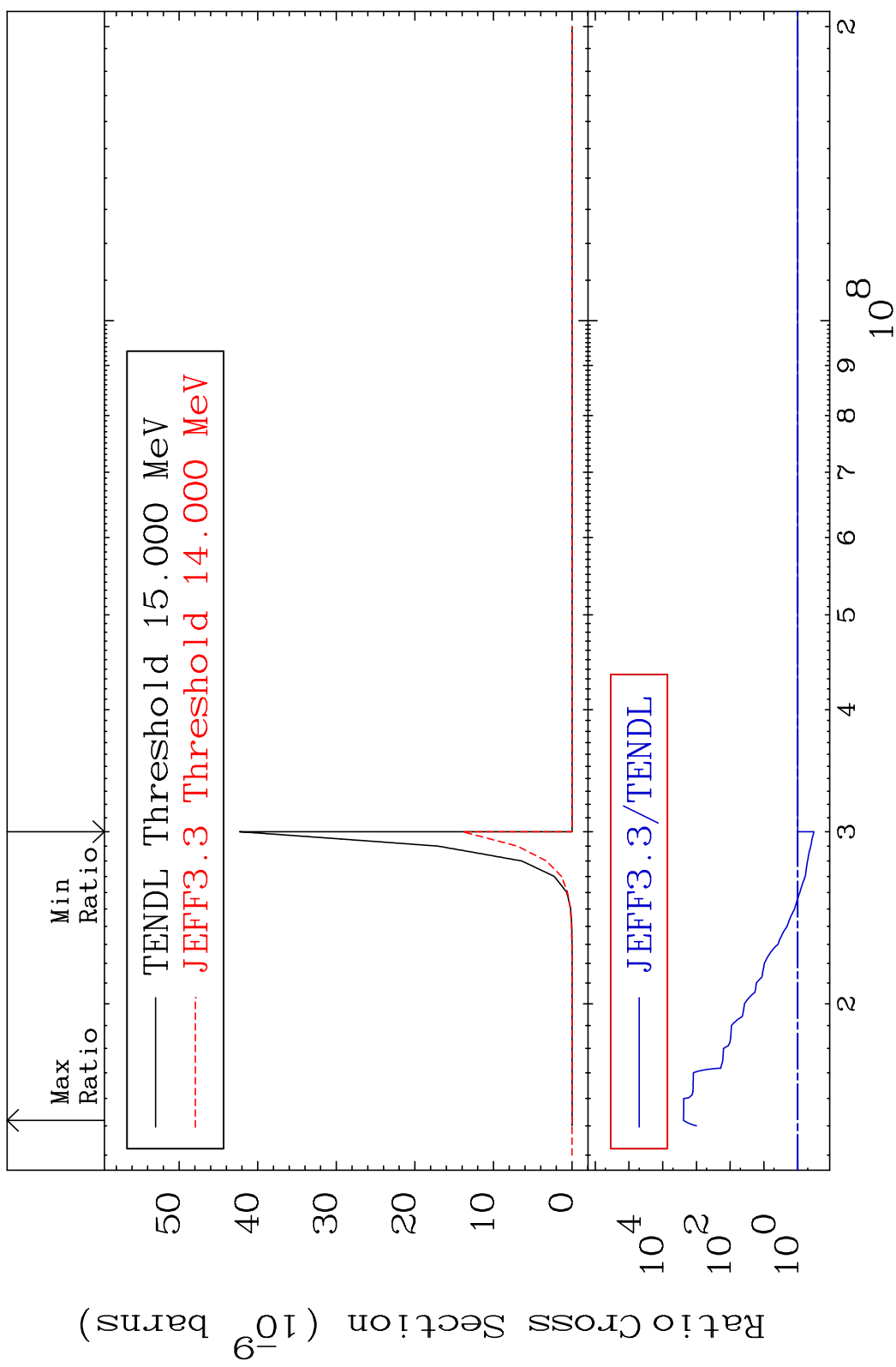
76 Incident Energy (eV) 76-0s-187

MAT 7634 (n, n') p α : 73-Ta-182m1 76-Os-187
 Radionuclide Production Cross Section 53edBi dfo 9999. %



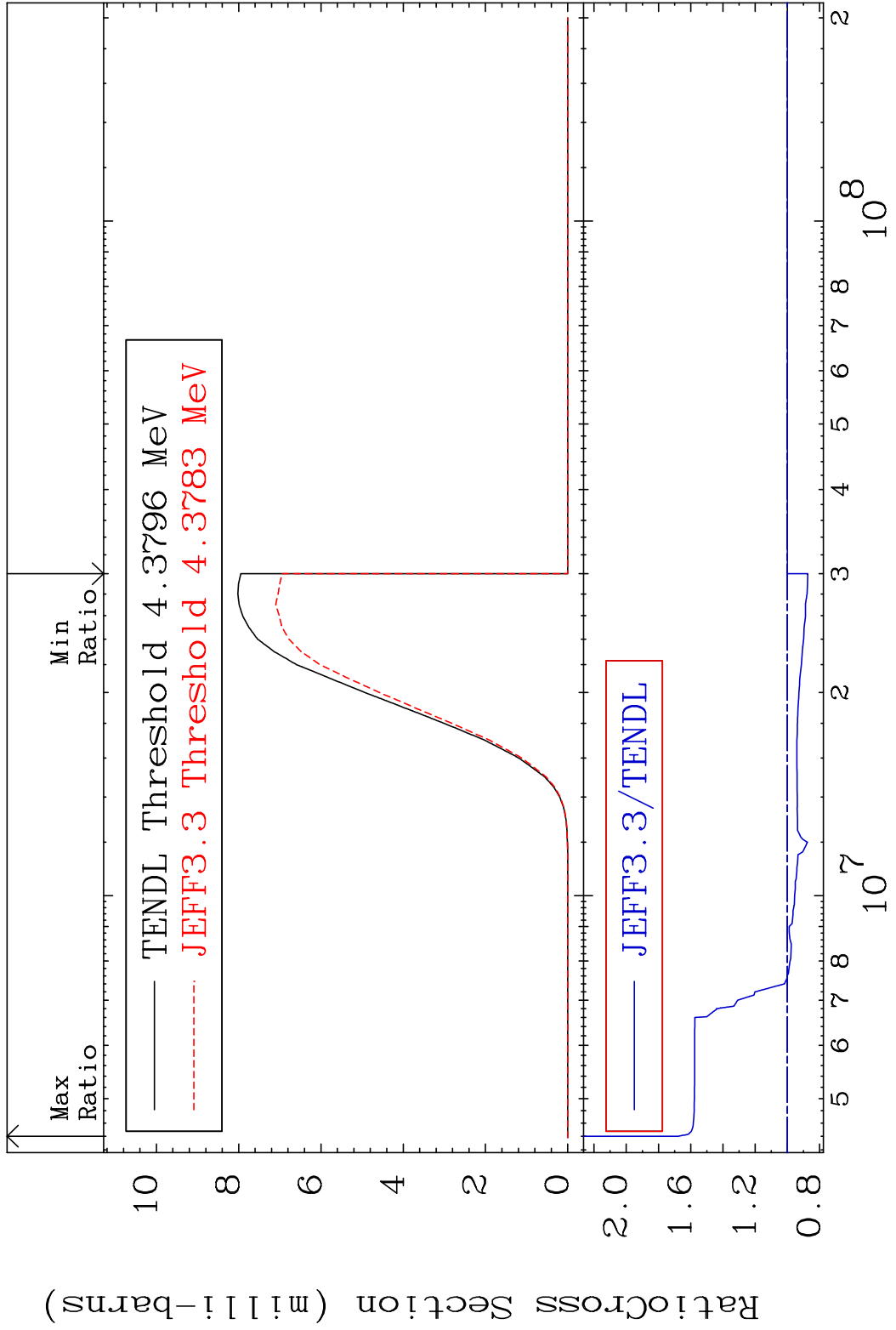
77 Incident Energy (eV) 76-Os-187

MAT 7634 (n, n') p α:73-Ta-182m29 76-0s-187
 Radionuclide Production Cross Section to 9999. %



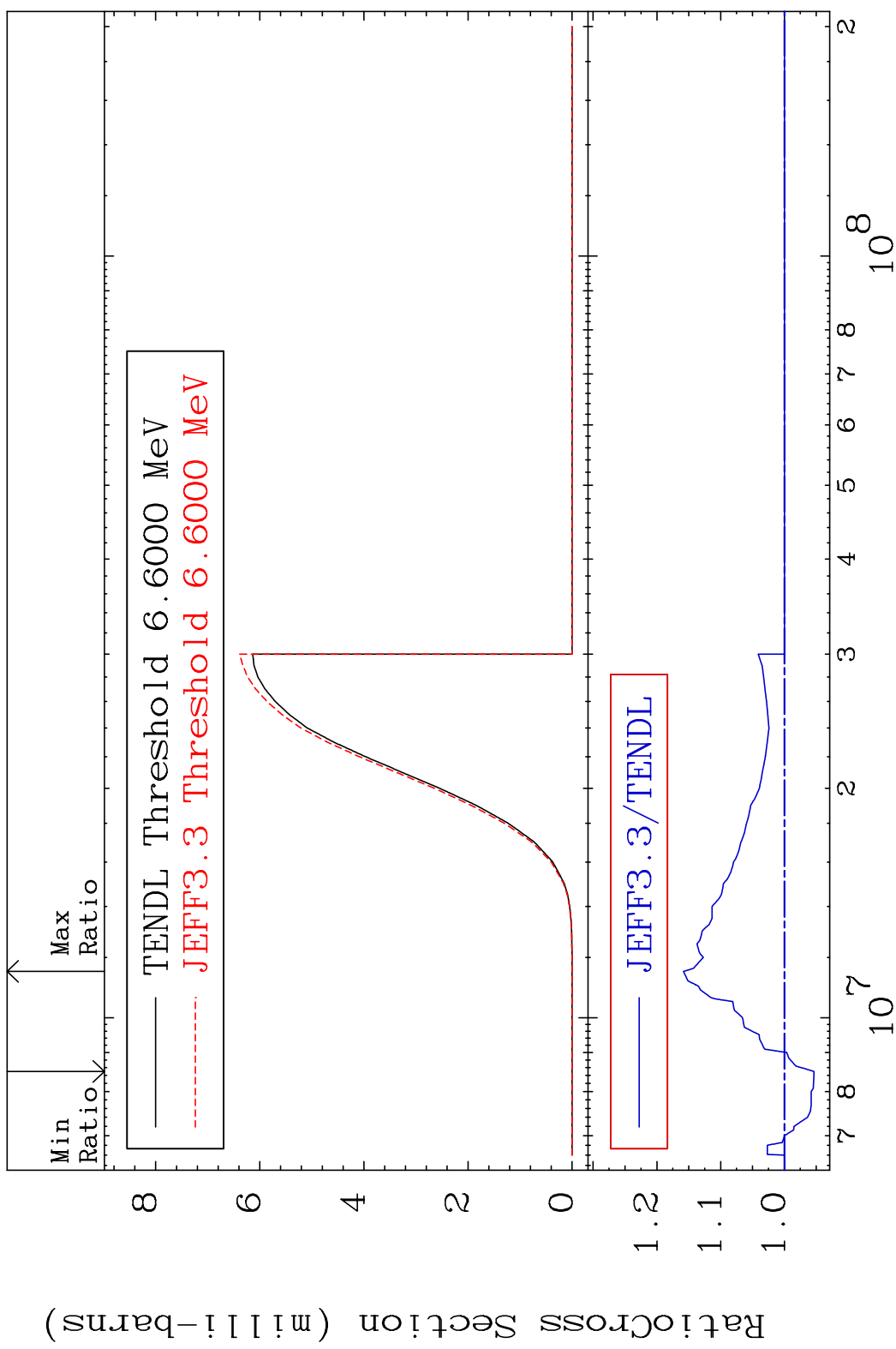
78 Incident Energy (eV) 76-0s-187

MAT 7634 (n,d):75-Re-186g 76-0s-187
 Radionuclide Production Cross Section 12600 d to 67.73 %

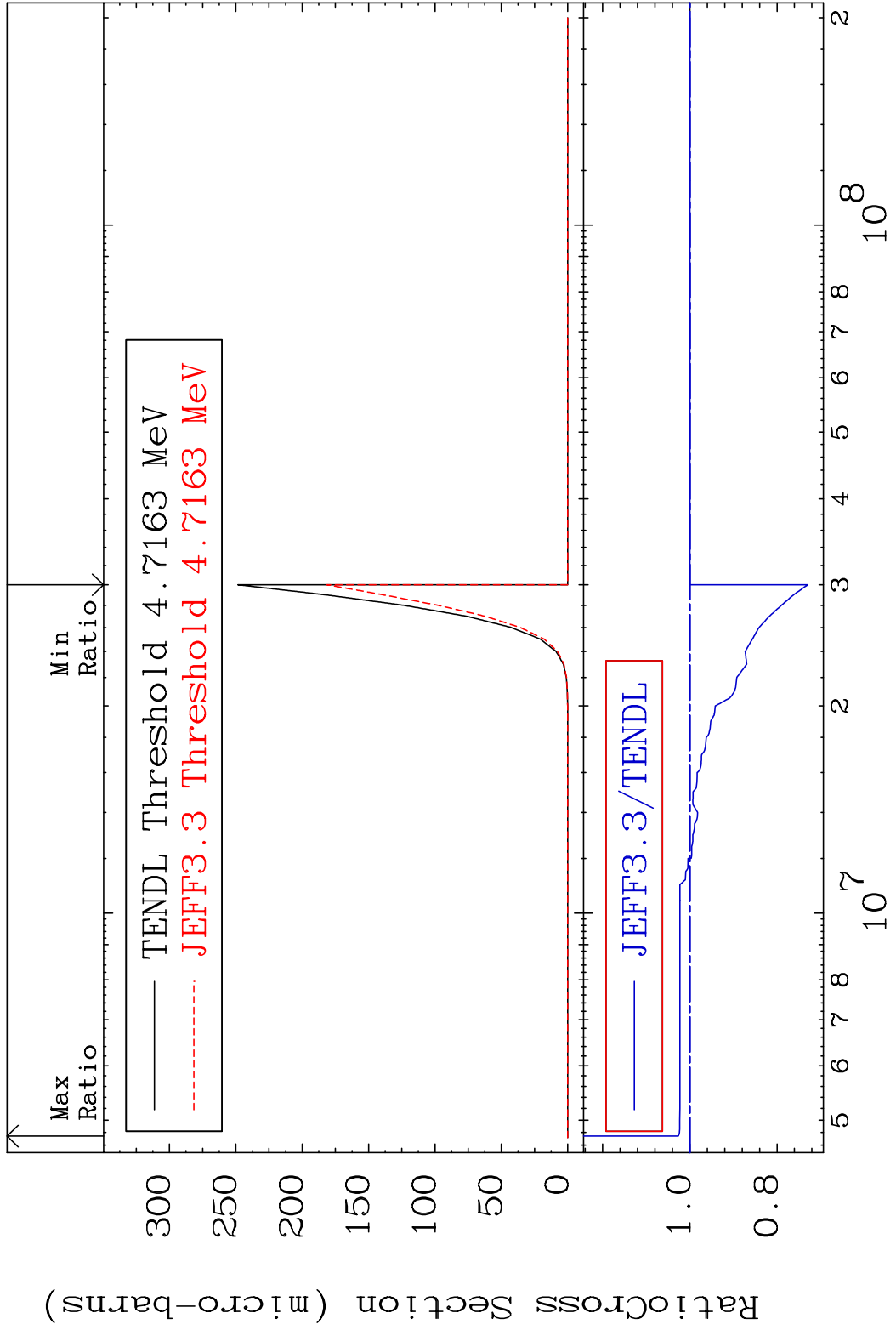


79 Incident Energy (eV) 76-0s-187

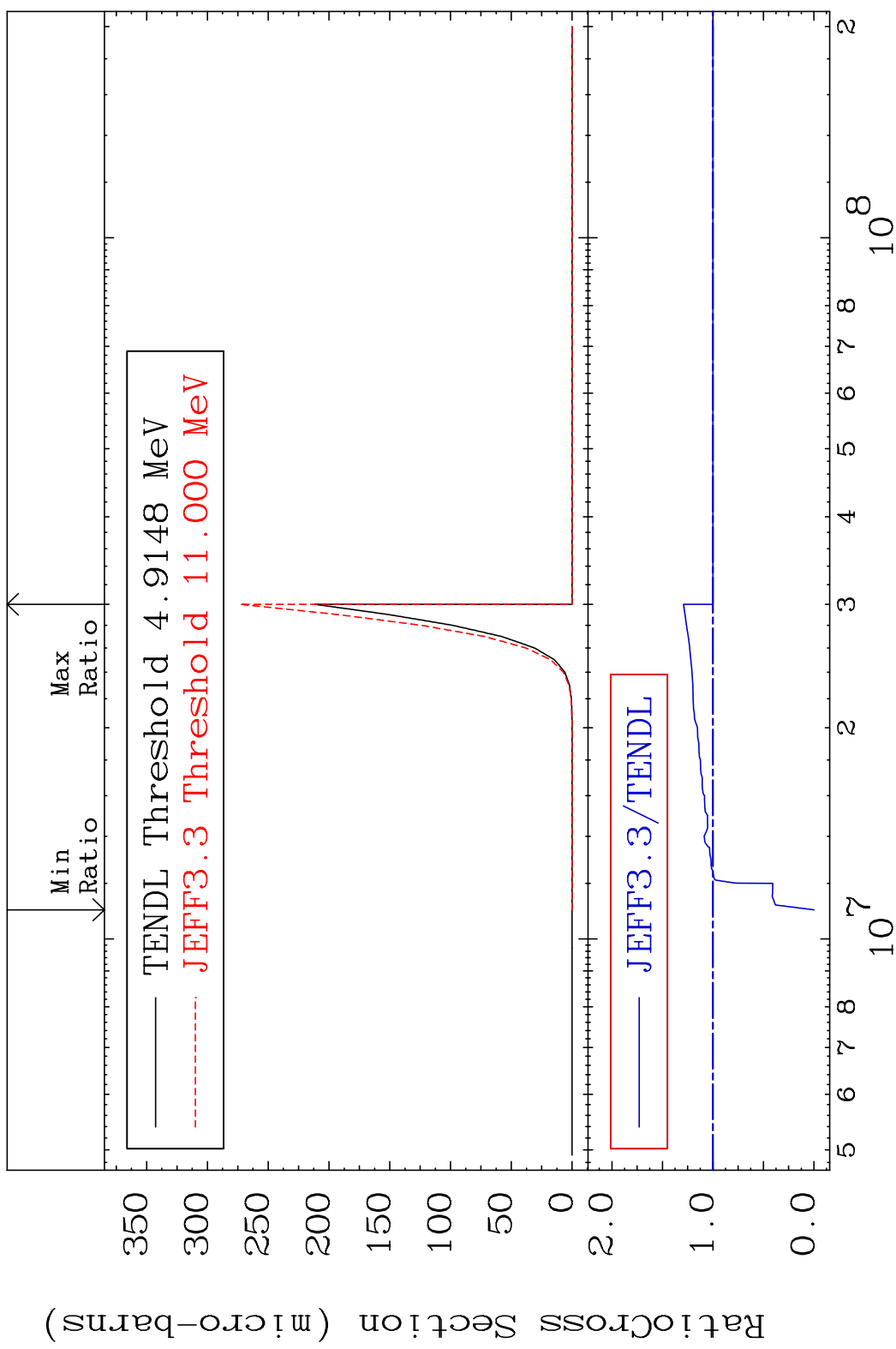
MAT 7634 (n, d): 75-Re-186m4 76-Os-187
 Radionuclide Production Cross Section 46261to 15.83 %



MAT 7634 (n, He-3) : 74-W -185g 76-0s-187
 Radionuclide Production Cross Section 2.658 %

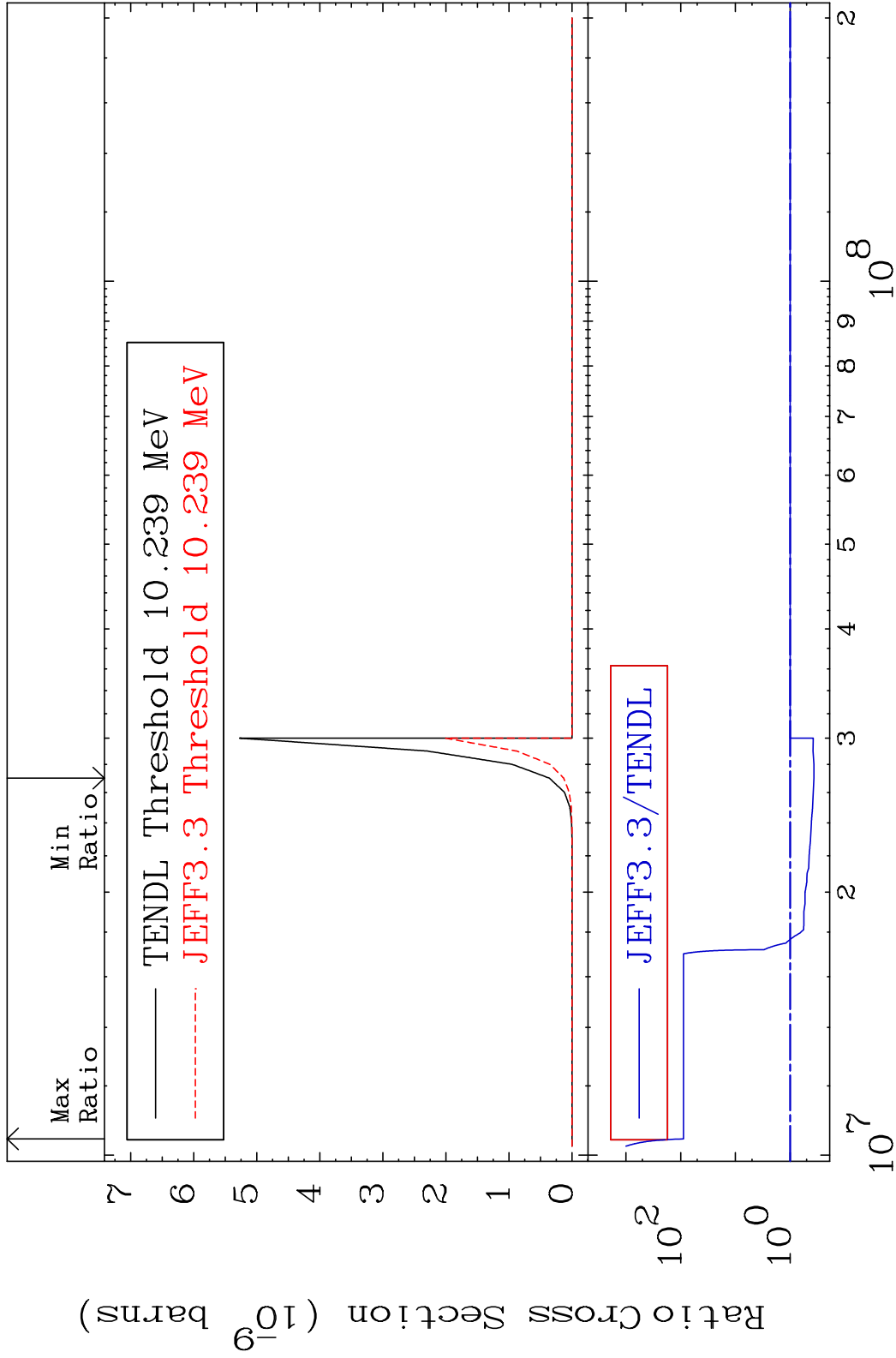


MAT 7634 (n,He-3):74-W -185m6 76-0s-187
 Radionuclide Production Cross Section 180000 dpo 29.15 %



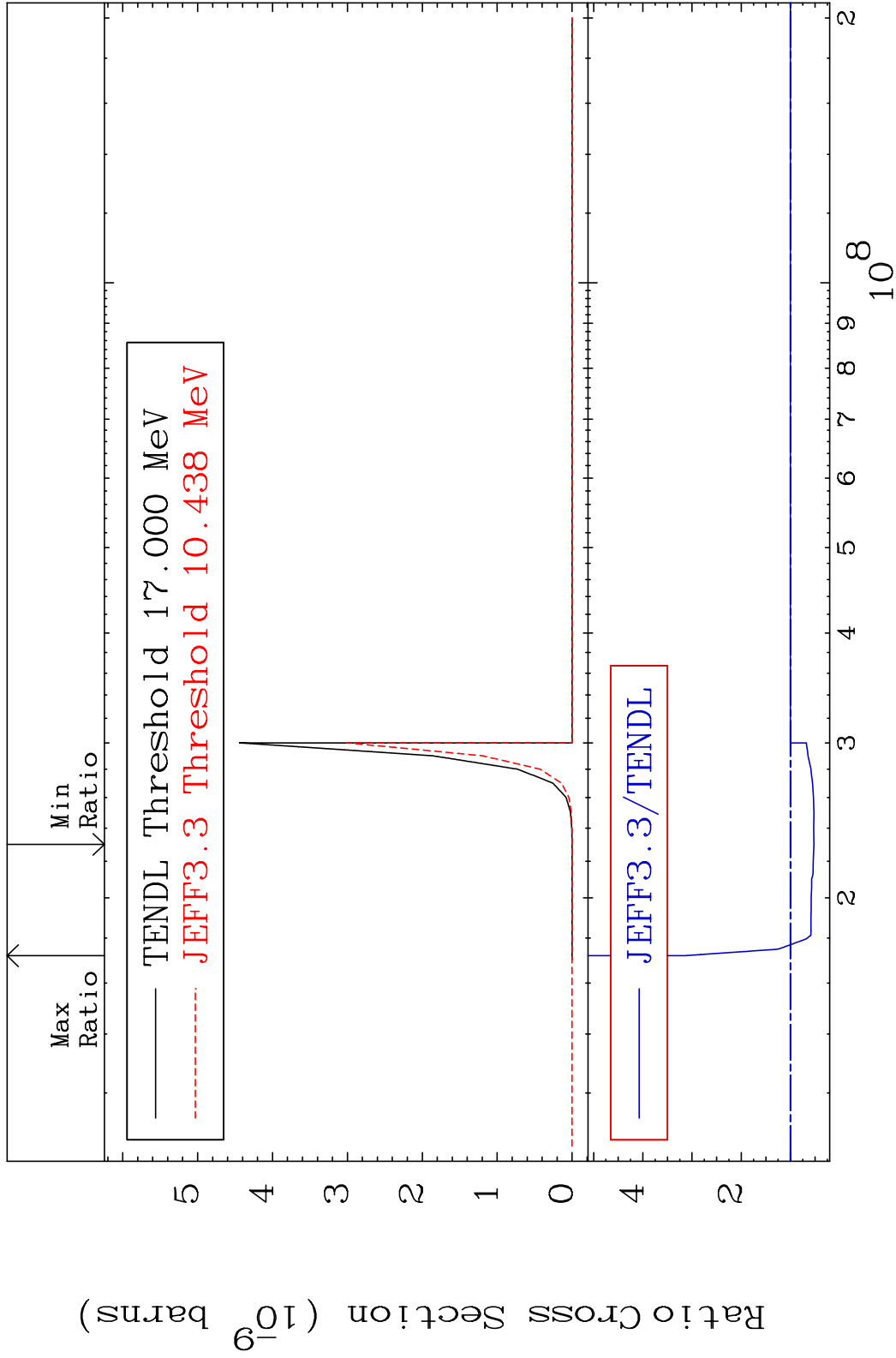
82 76-0s-187

MAT 7634 (n, p) d:74-W -185g 76-0s-187
 Radionuclide Production Cross Section 8812. %

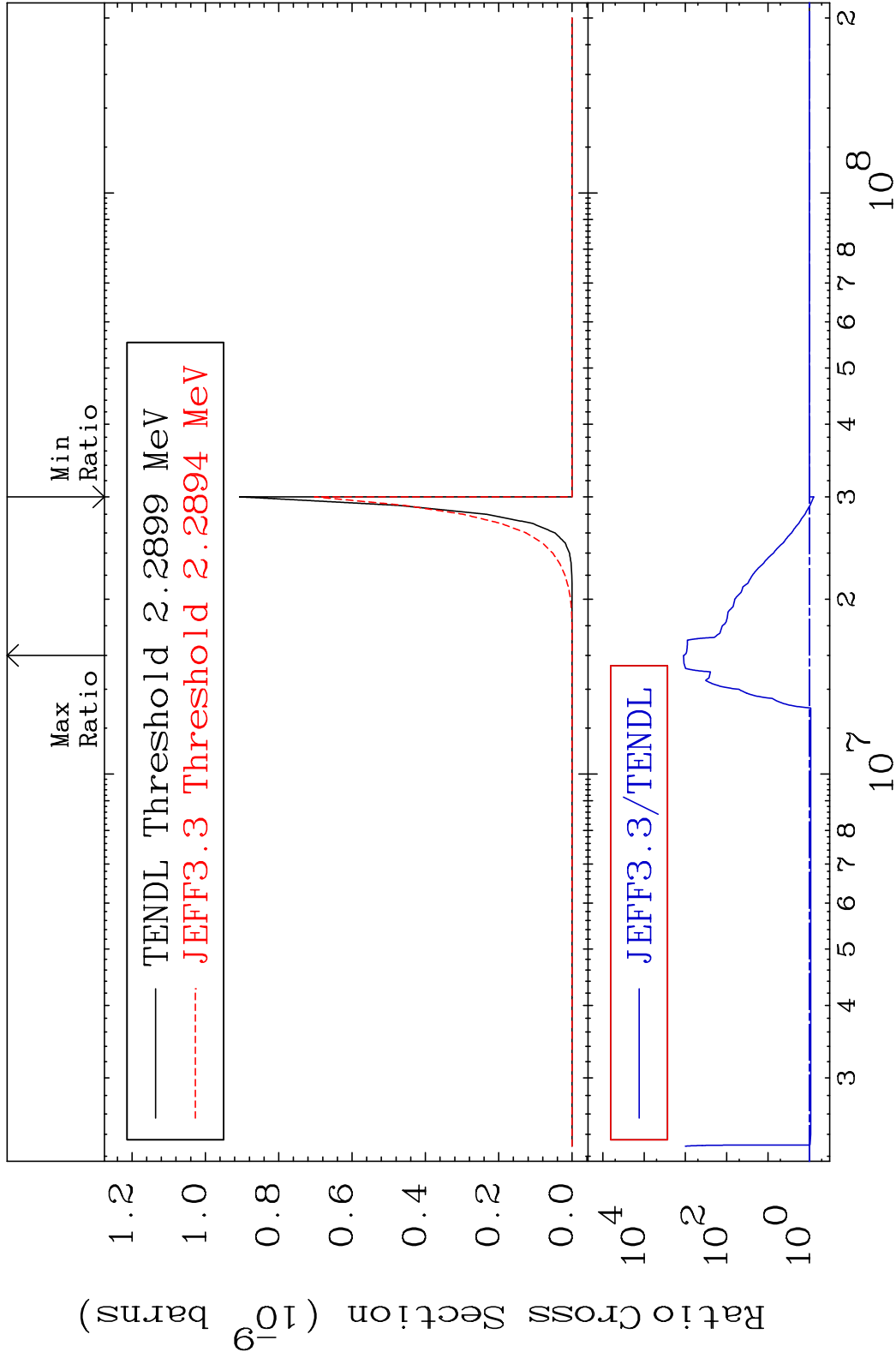


83 Incident Energy (eV) 76-0s-187

MAT 7634 (n, p) d:74-W -185m6 76-0s-187
 Radionuclide Production Cross Section 217.5 %



MAT 7634 (n, d) α : 73-Ta-182g 76-0s-187
 Radionuclide Production Cross Section 9999. %



85 Incident Energy (eV) 76-0s-187

