

Program Complot
(Version 2021-1)

by

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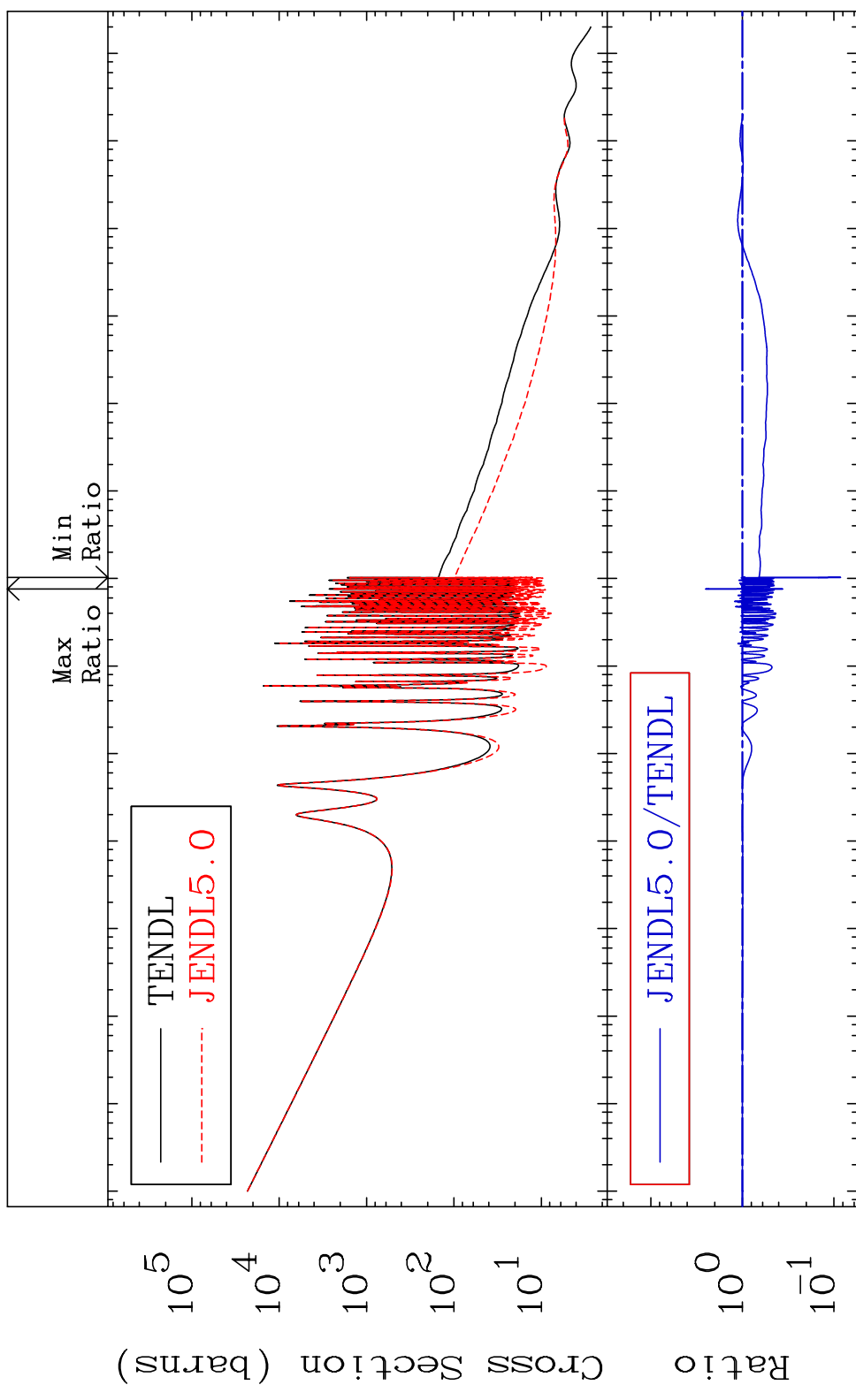
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7326

Total Cross Section -91.51 To 150.9 %
73-Ta-180m



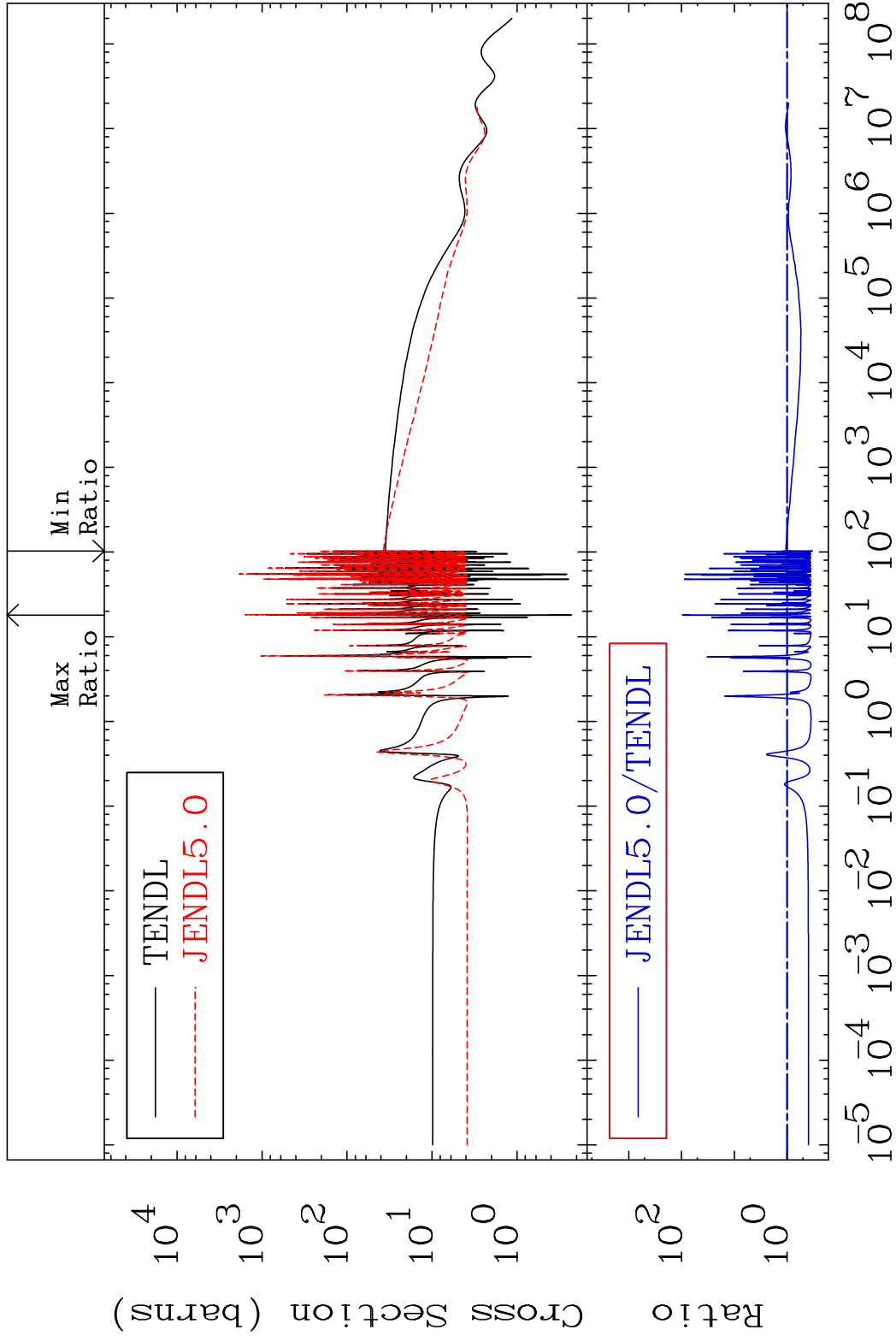
1 Incident Energy (eV) 73-Ta-180m

MAT 7326

Elastic

73-Ta-180m

Cross Section -67.07 To 9531. %

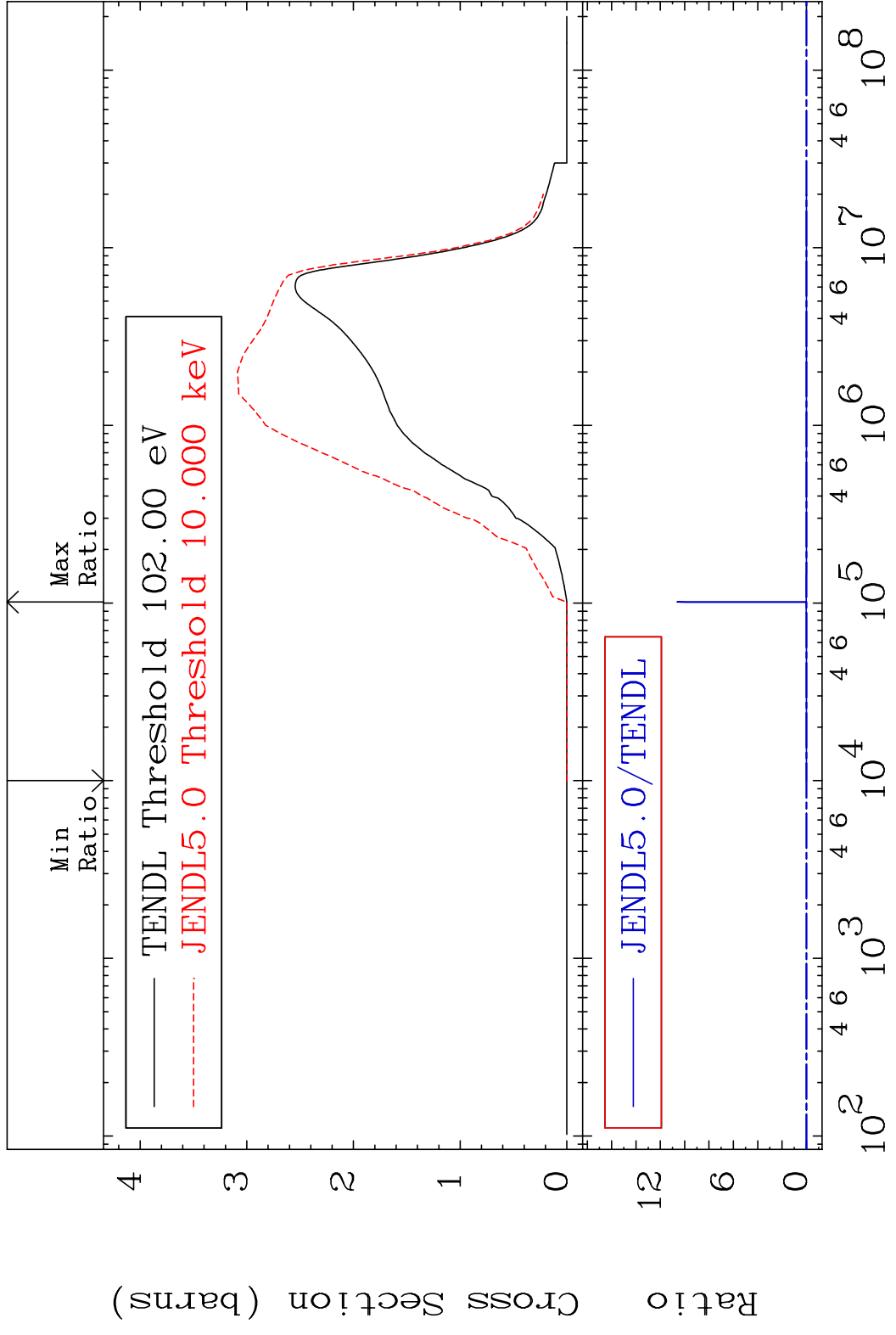


2

Incident Energy (eV)

73-Ta-180m

MAT 7326 Inelastic 73-Ta-180m
 Cross Section -100.0 To 9999. %



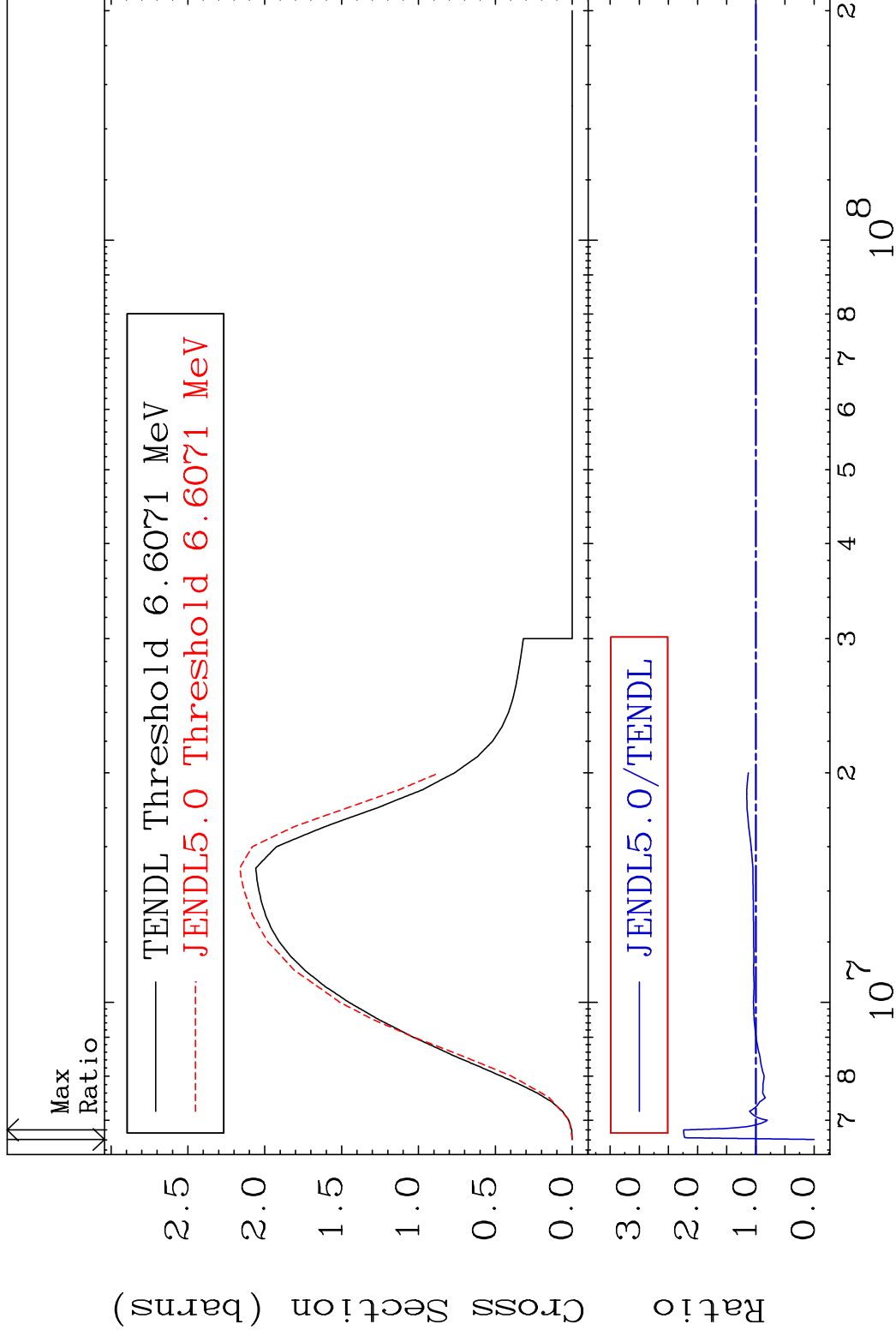
3 Incident Energy (eV) 73-Ta-180m

MAT 7326

(n,2n)

73-Ta-180m

Cross Section -100.0 To 123.9 %



4

Incident Energy (eV)

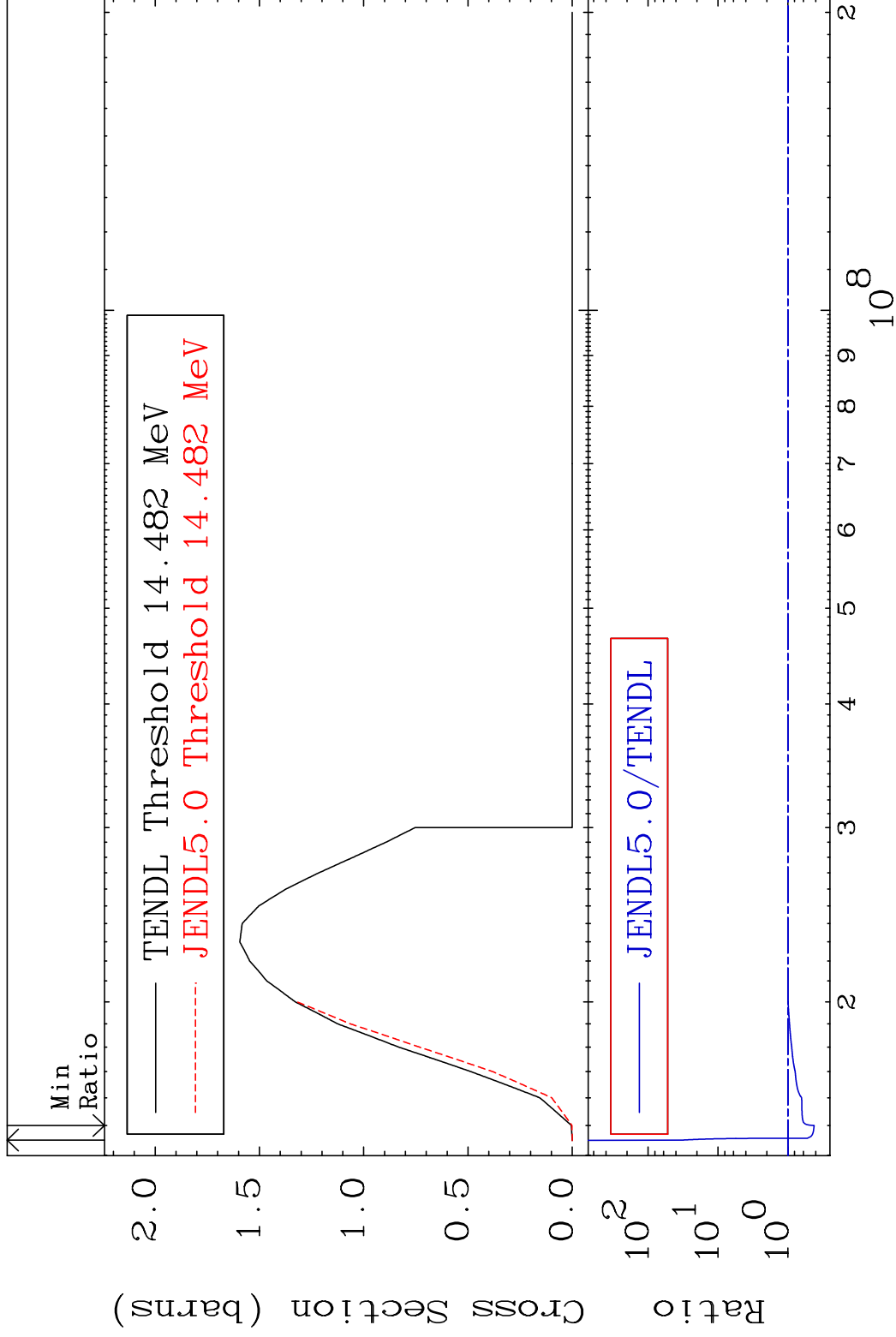
73-Ta-180m

MAT 7326

(n,3n)

73-Ta-180m

Cross Section -57.90 To 2996. %



5

Incident Energy (eV)

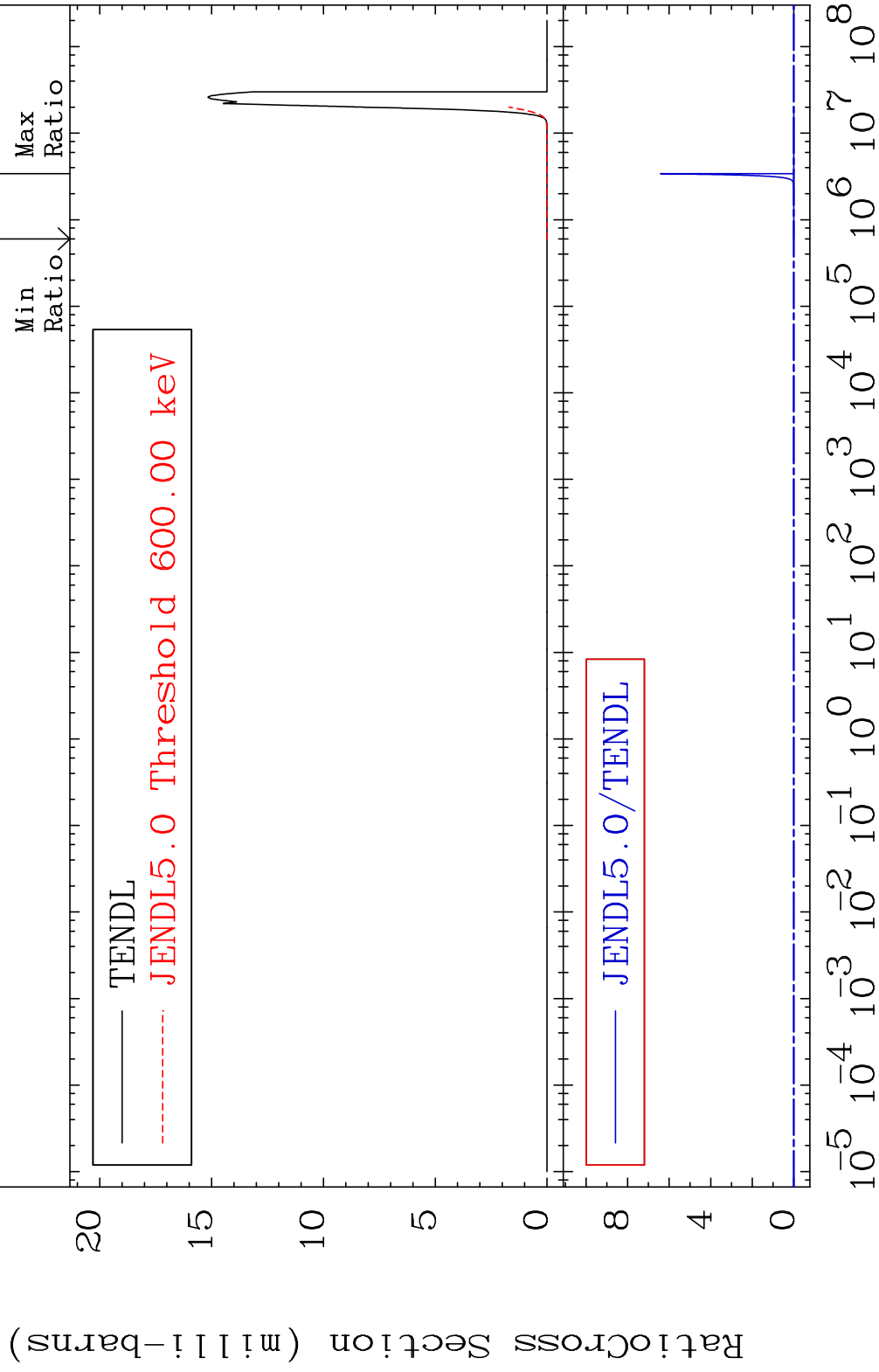
73-Ta-180m

MAT 7326

(n, n') α

73-Ta-180m

Cross Section -100.0 To 9999. %

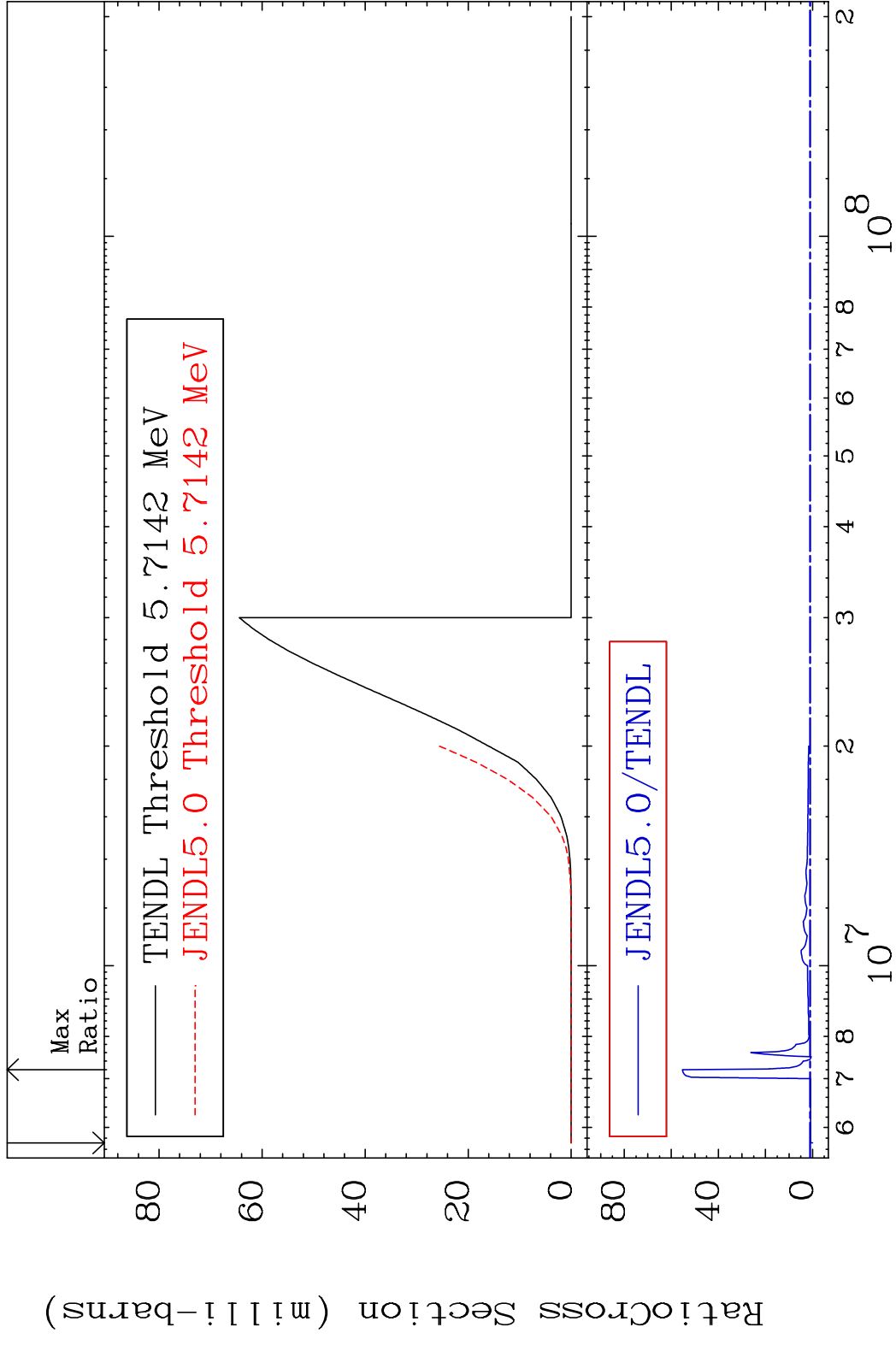


6

Incident Energy (eV)

73-Ta-180m

MAT 7326 (n, n') p 73-Ta-180m
 Cross Section -100.0 To 5431. %



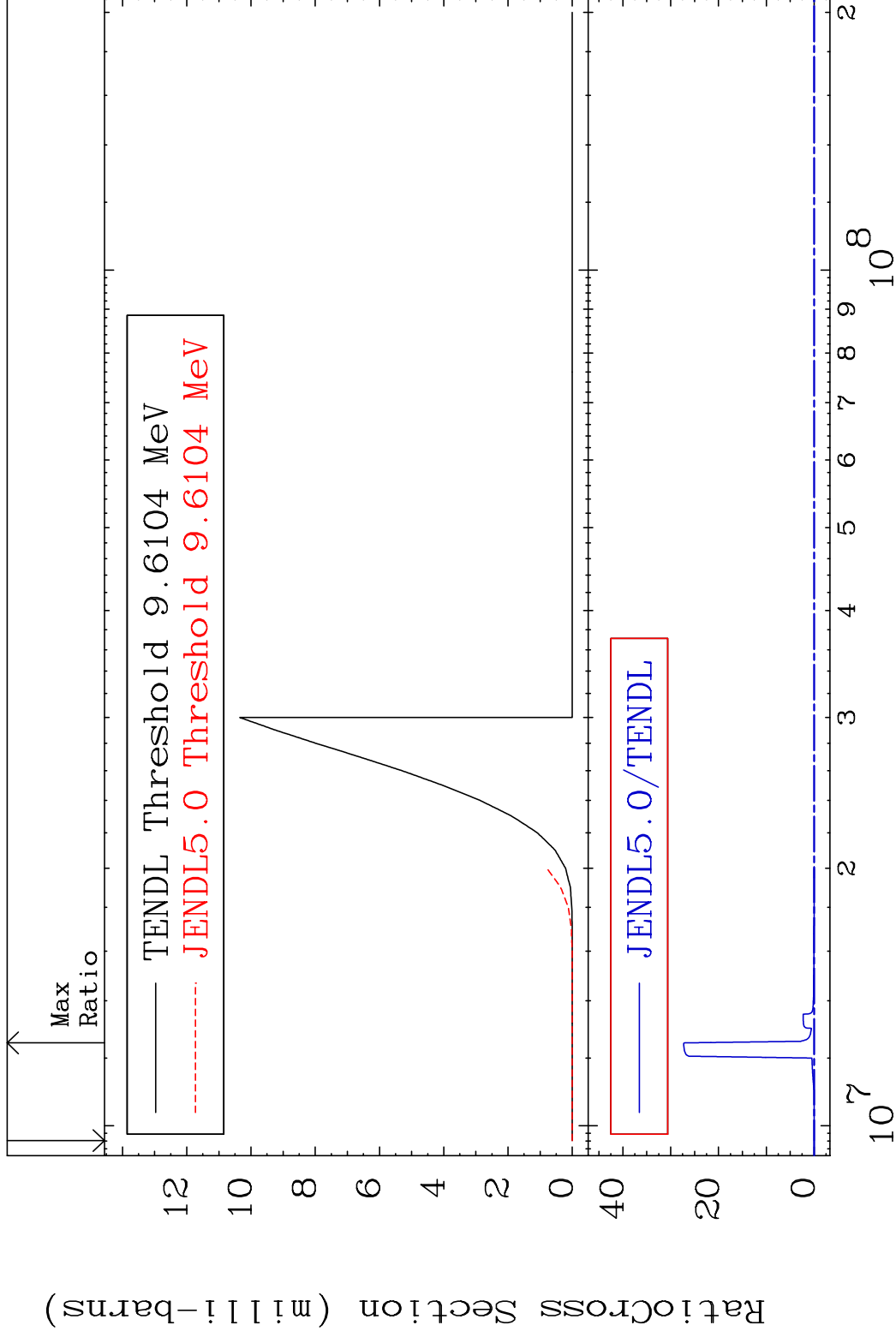
7 Incident Energy (eV) 73-Ta-180m

MAT 7326

(n, n') d

73-Ta-180m

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

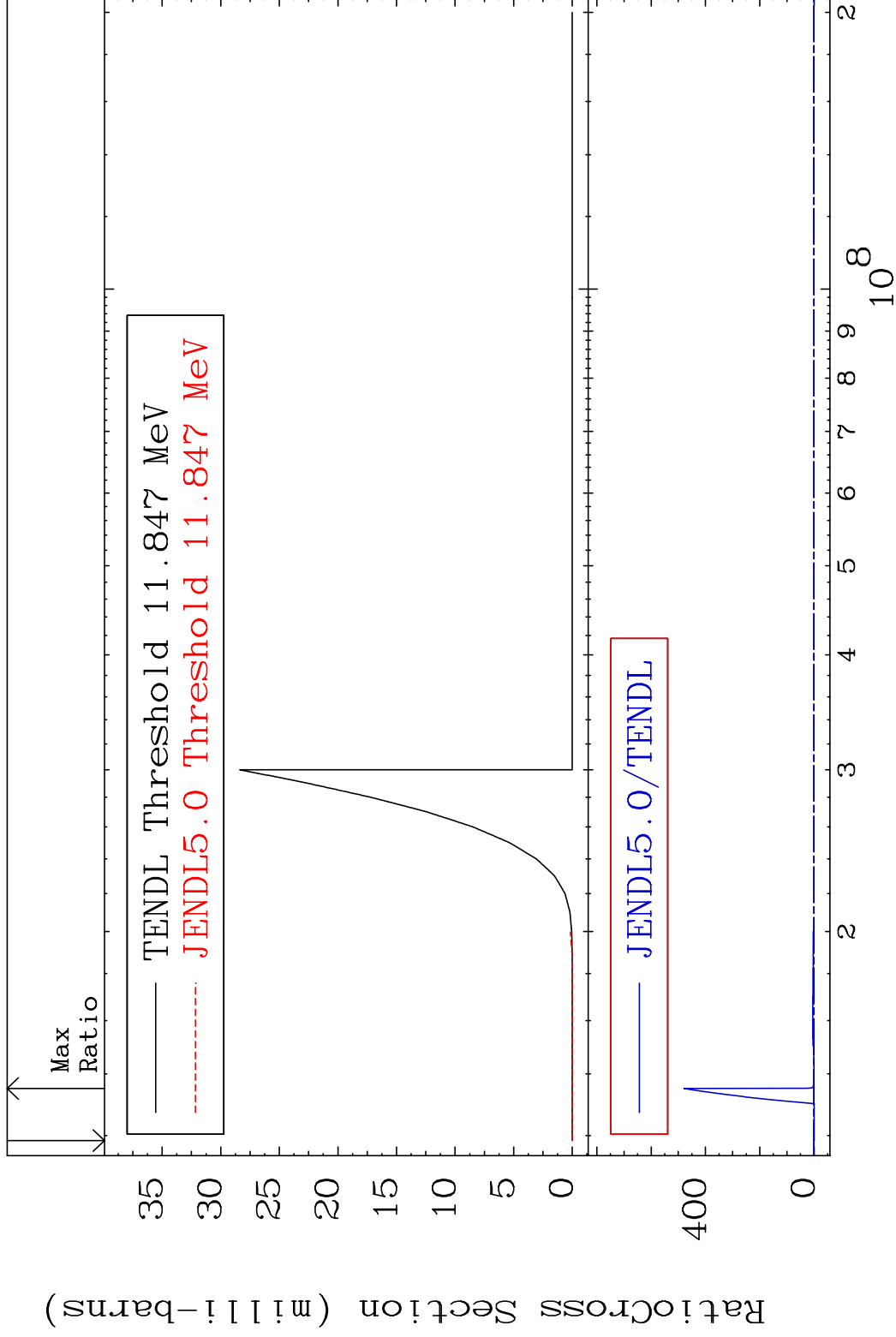
73-Ta-180m

MAT 7326

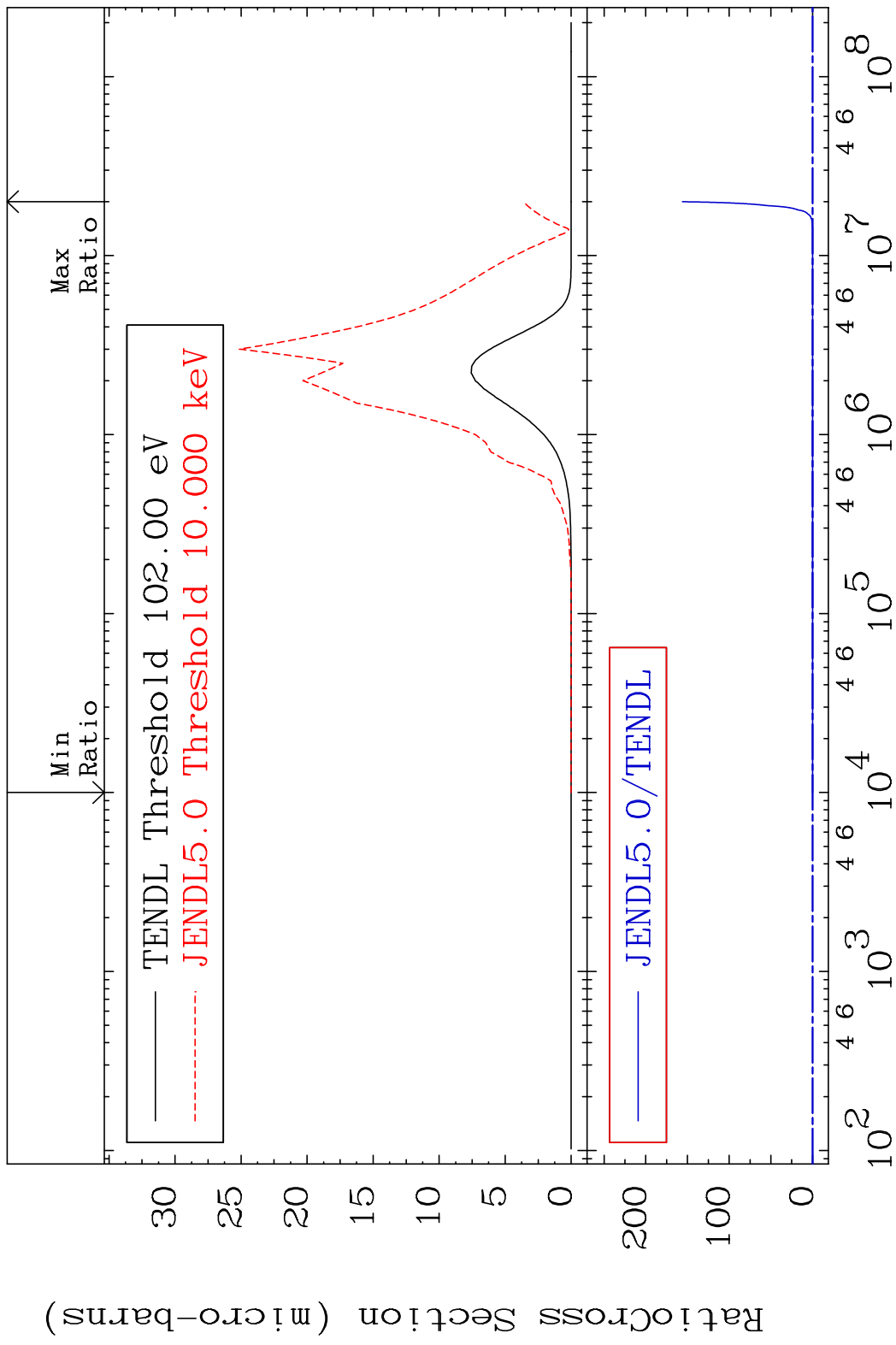
(n,2n) p

73-Ta-180m

Cross Section -100.0 To 9999. %

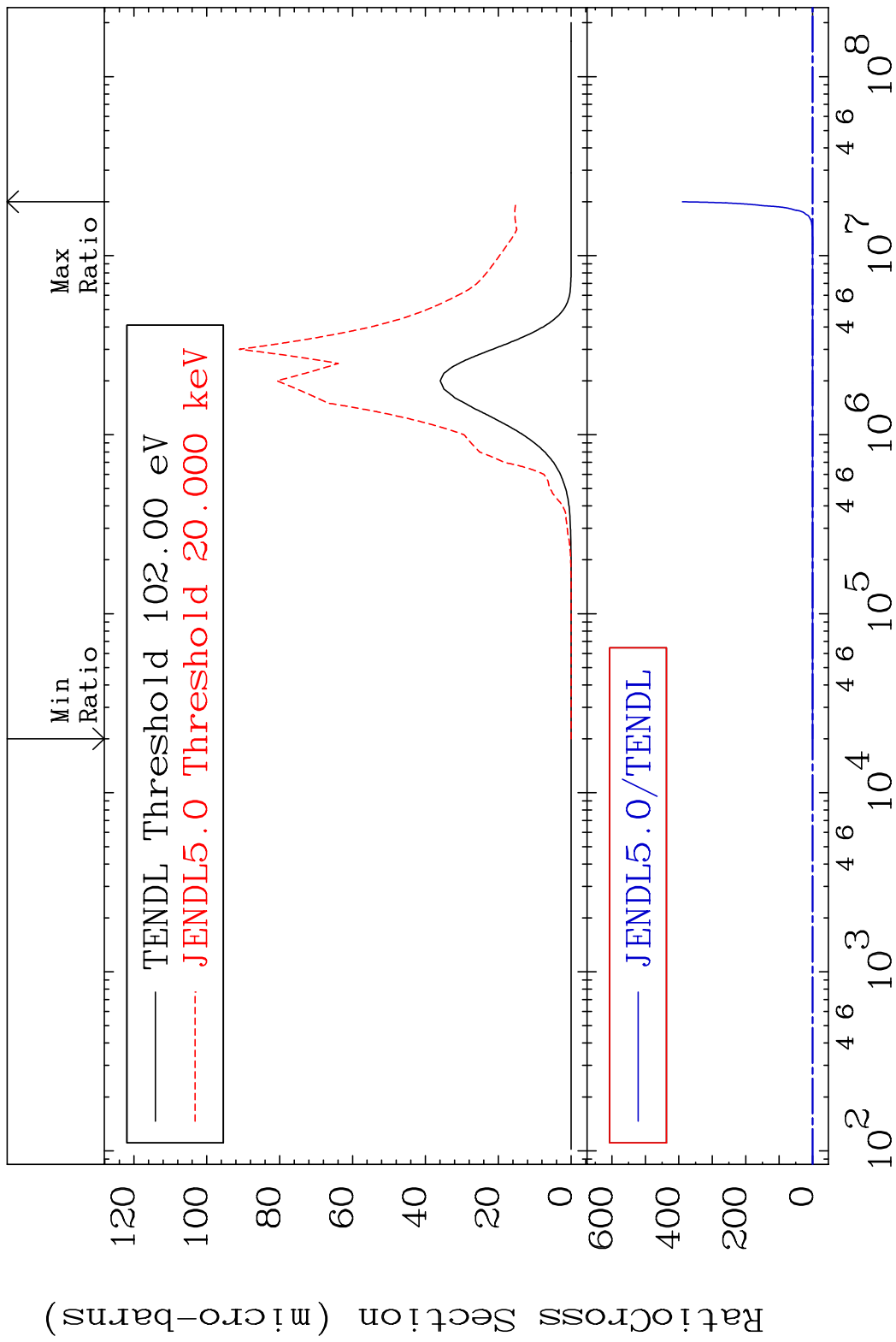


MAT 7326 MT= 51 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



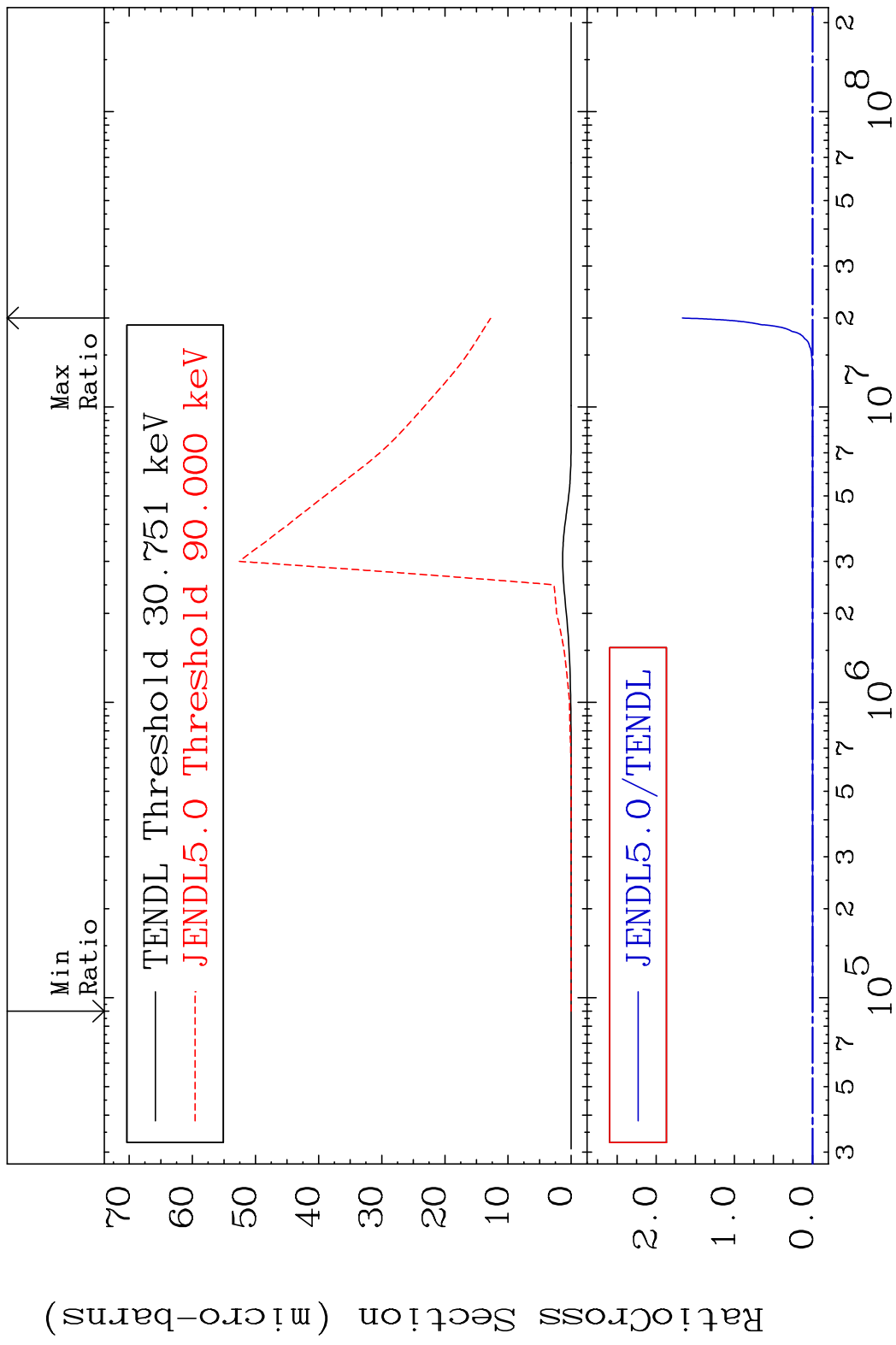
10 100 200 30 25 20 15 10 5 0 0 100 200 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸ 73-Ta-180m

MAT 7326 MT= 52 (n,n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

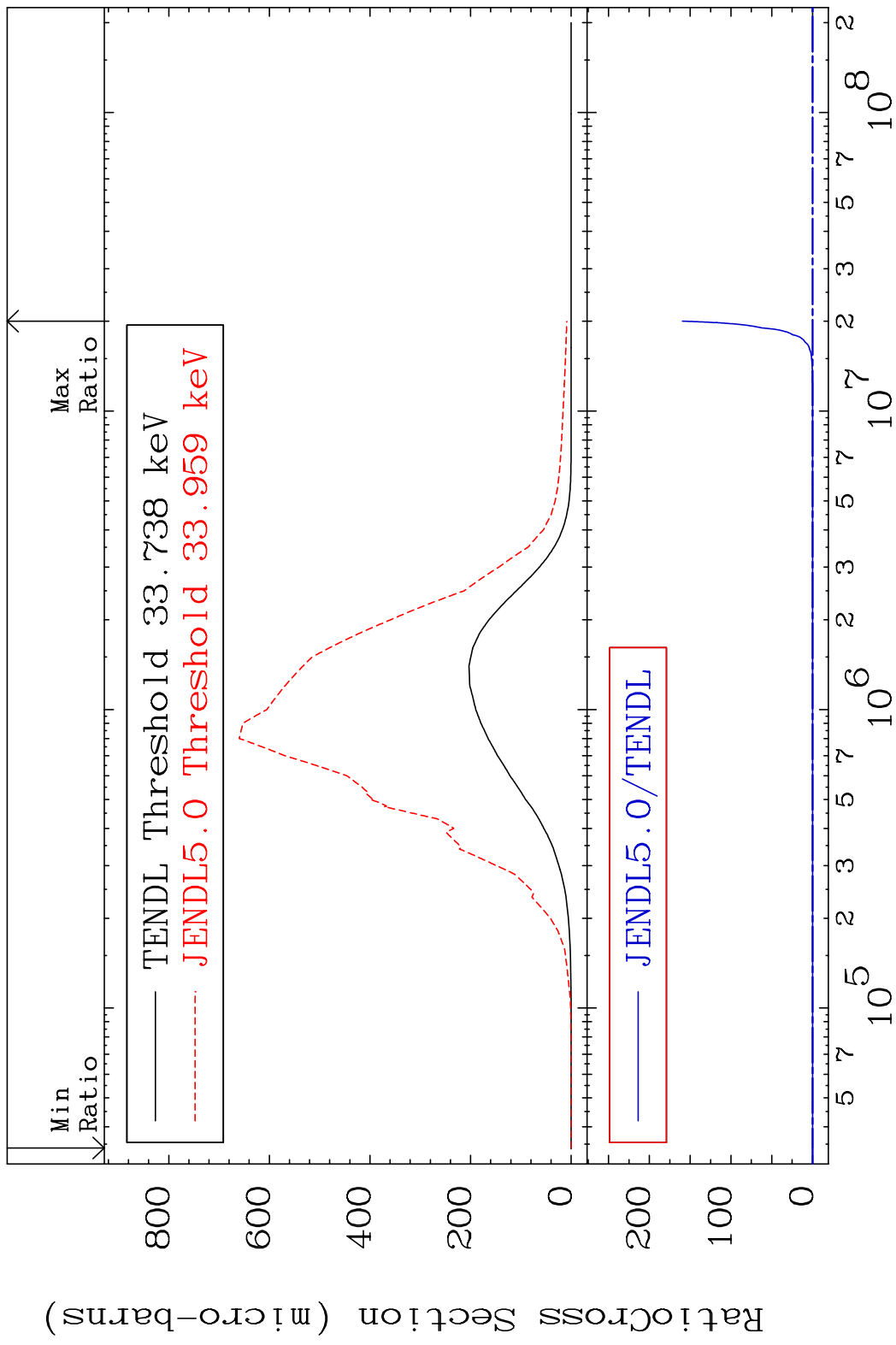


11 Incident Energy (eV) 73-Ta-180m

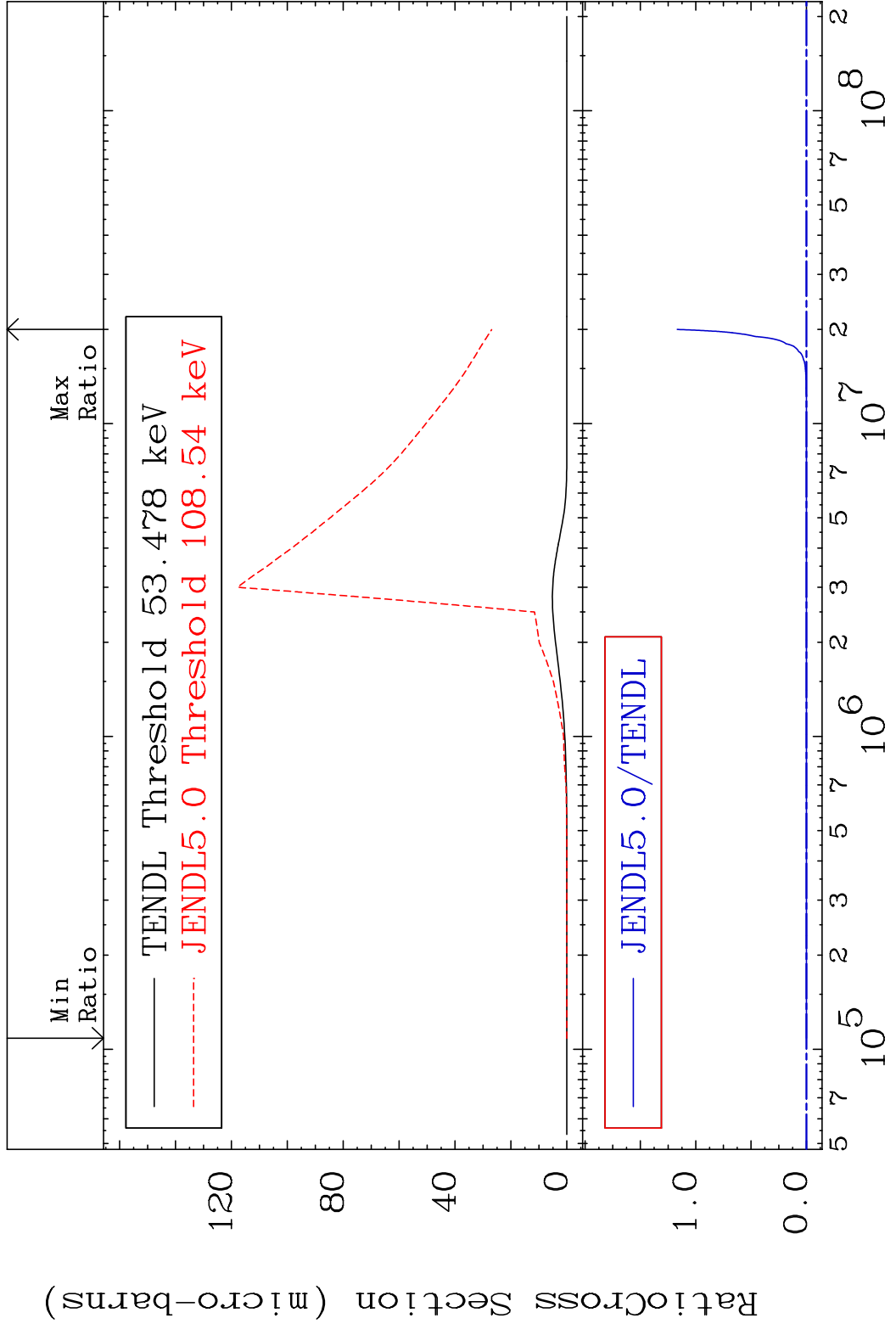
MAT 7326 MT= 53 (n,n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 54 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

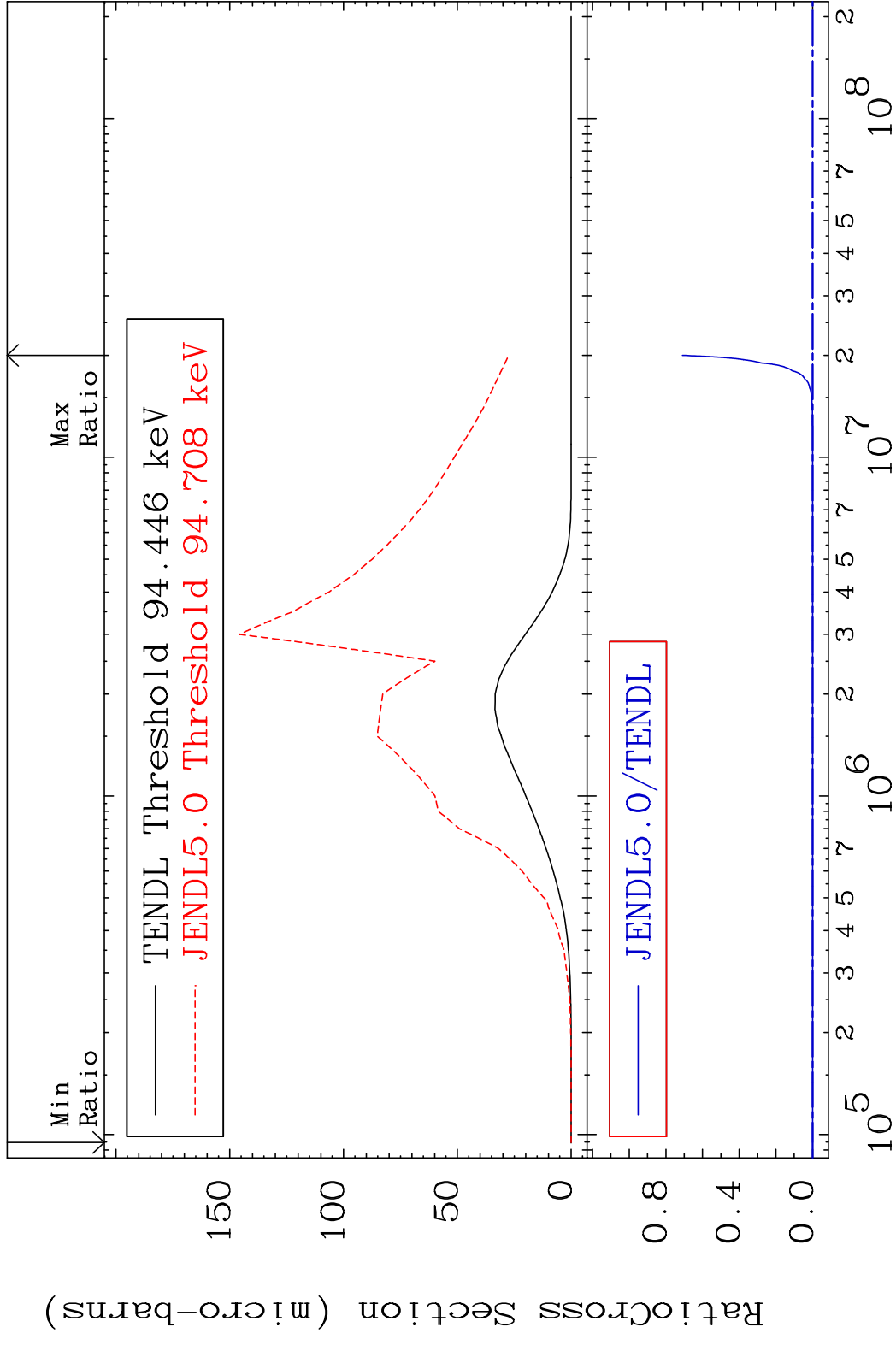


MAT 7326 MT= 55 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



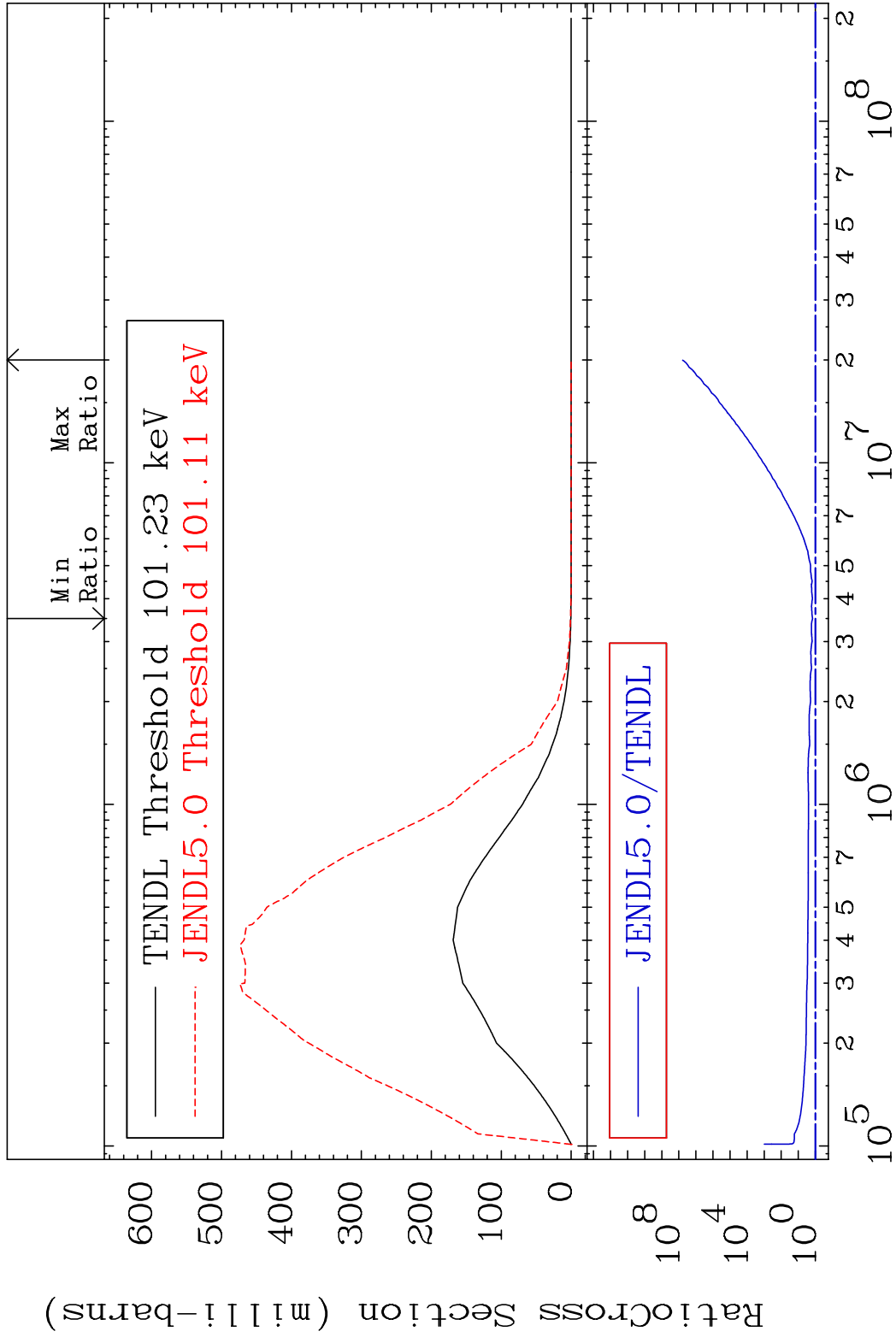
14 Incident Energy (eV) 73-Ta-180m

MAT 7326 MT= 56 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



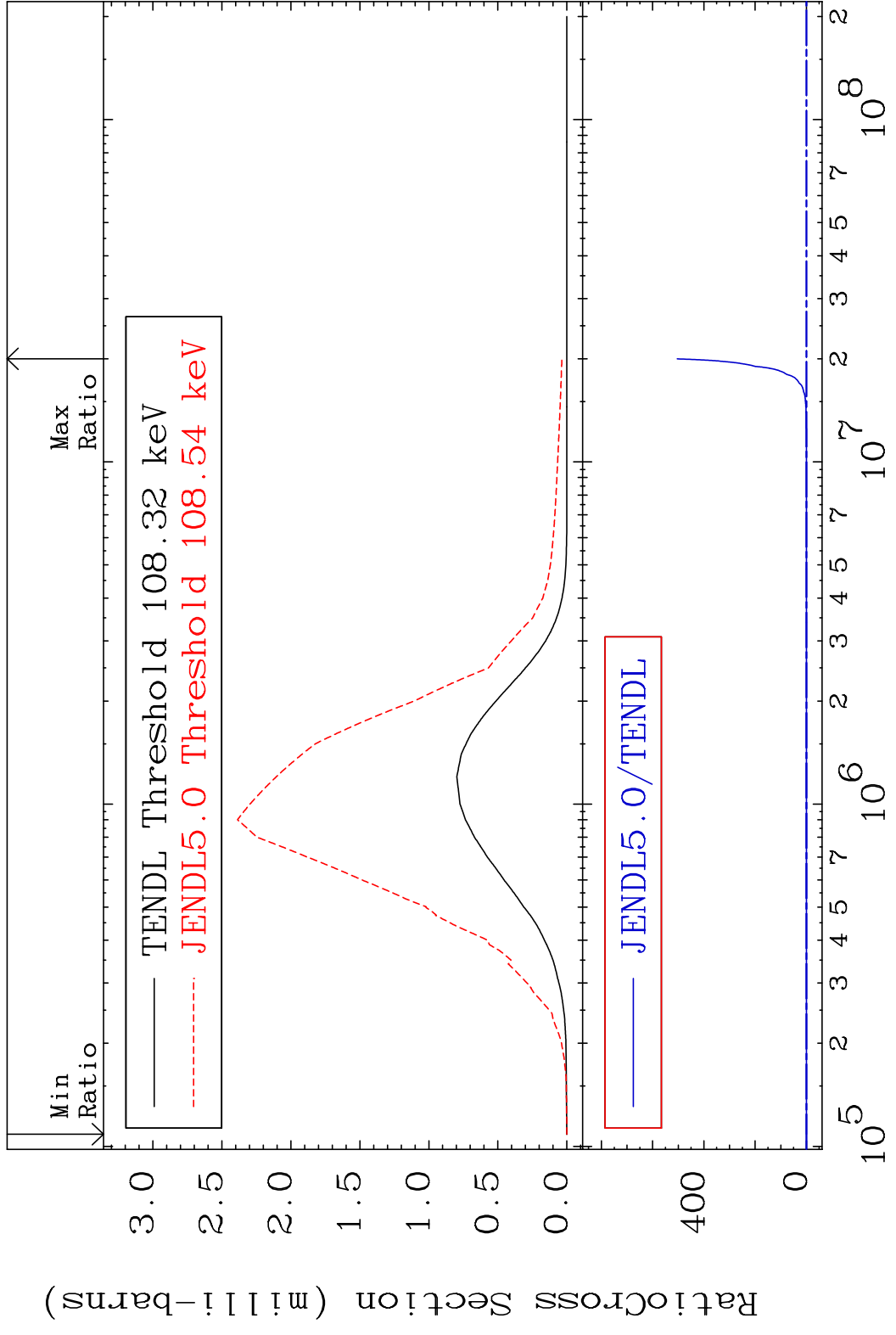
15 73-Ta-180m

MAT 7326 MT= 57 (n, n') Level 73-Ta-180m
 Cross Section 46.07 To 9999. %



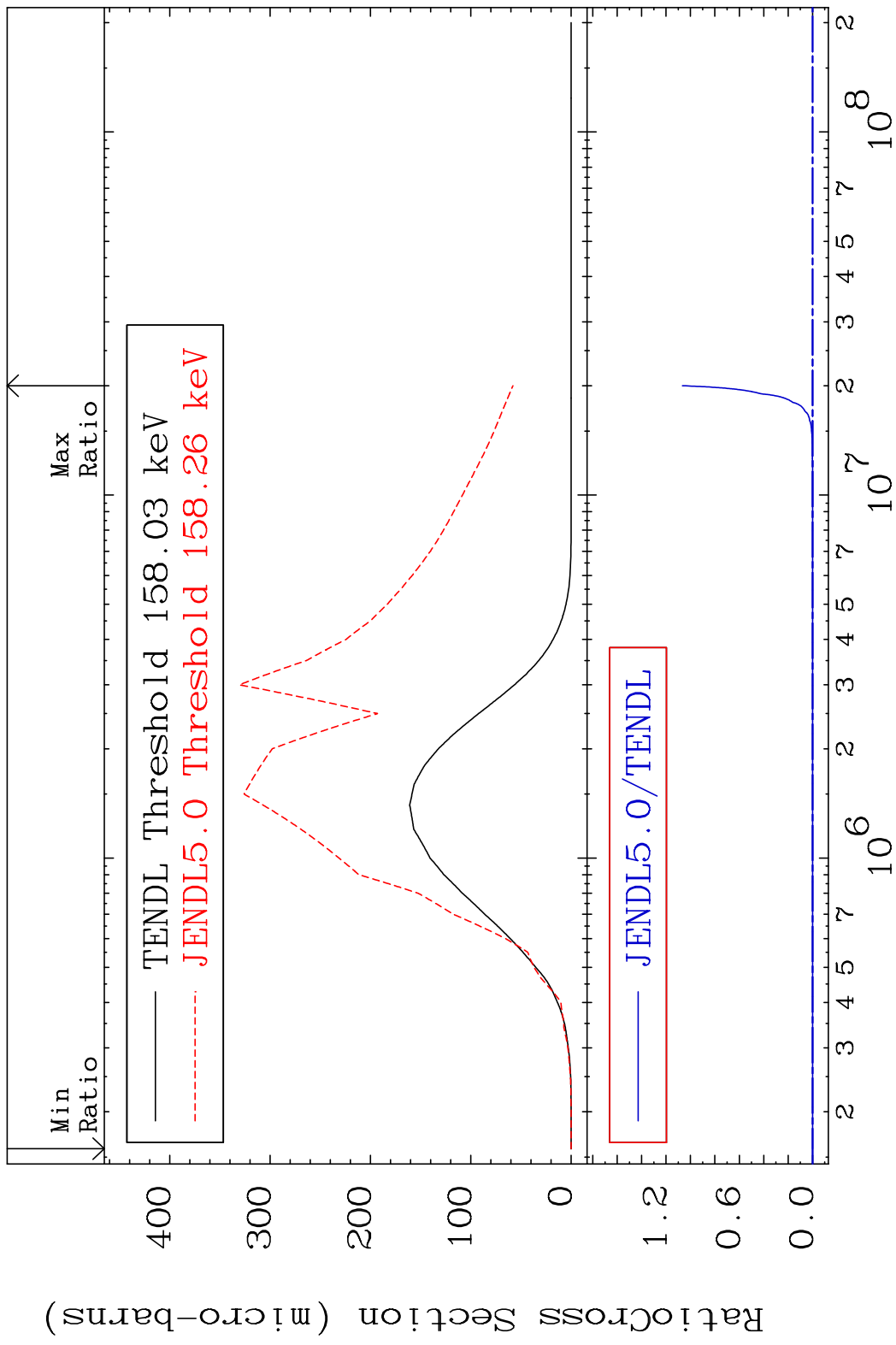
16 Incident Energy (eV) 73-Ta-180m

MAT 7326 MT= 58 (n,n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

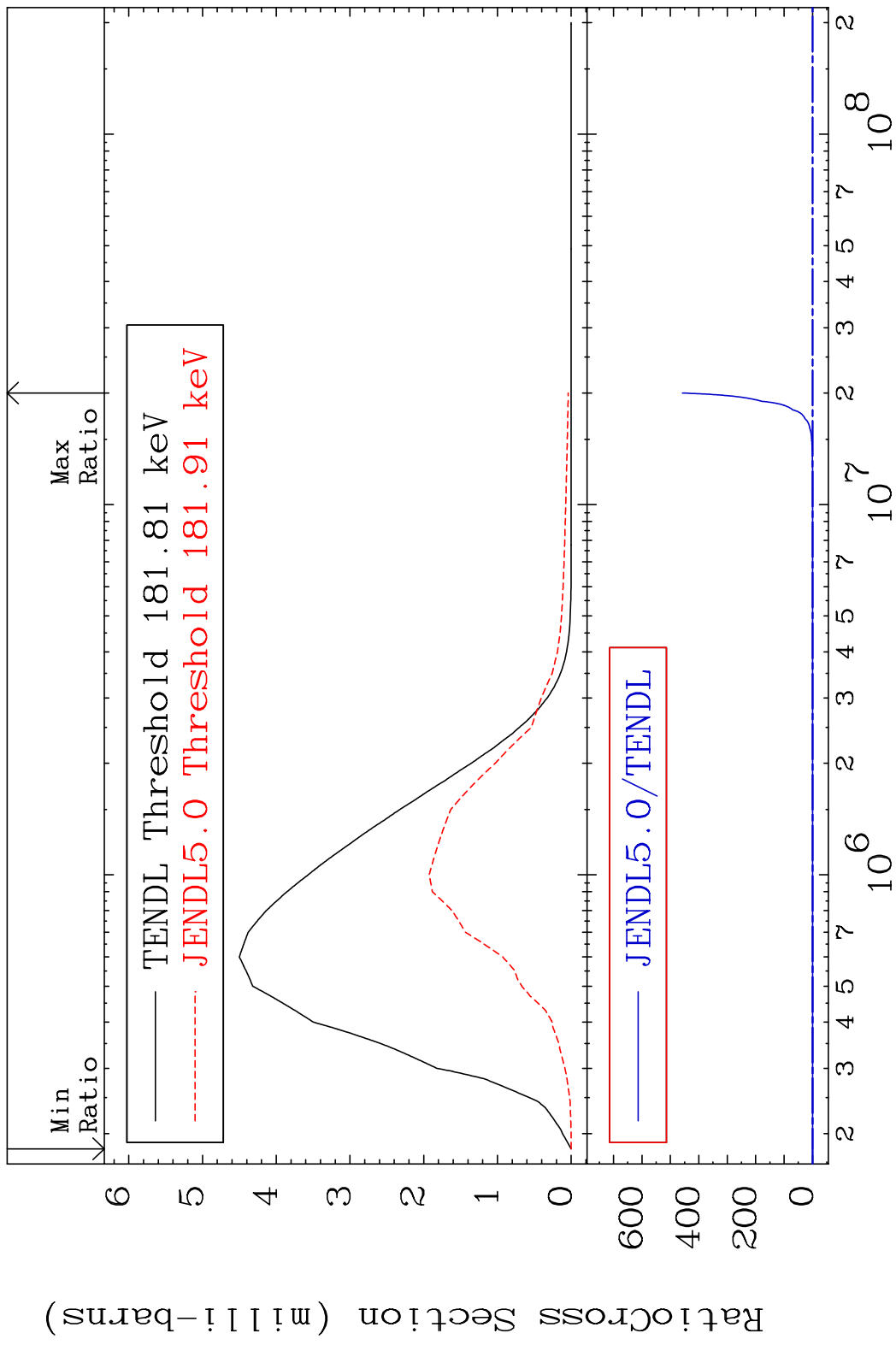


17 Incident Energy (eV) 73-Ta-180m

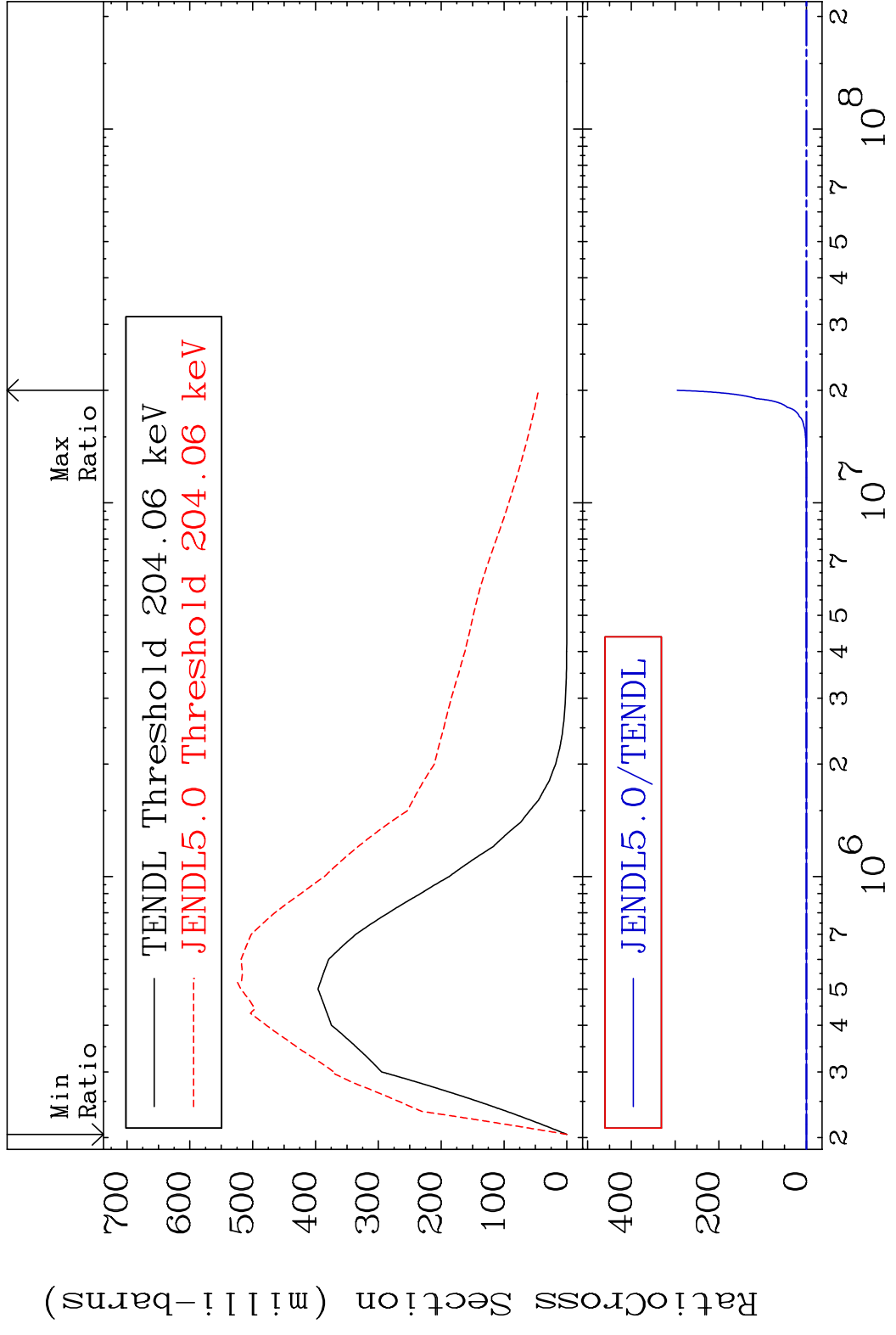
MAT 7326 MT= 59 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 60 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

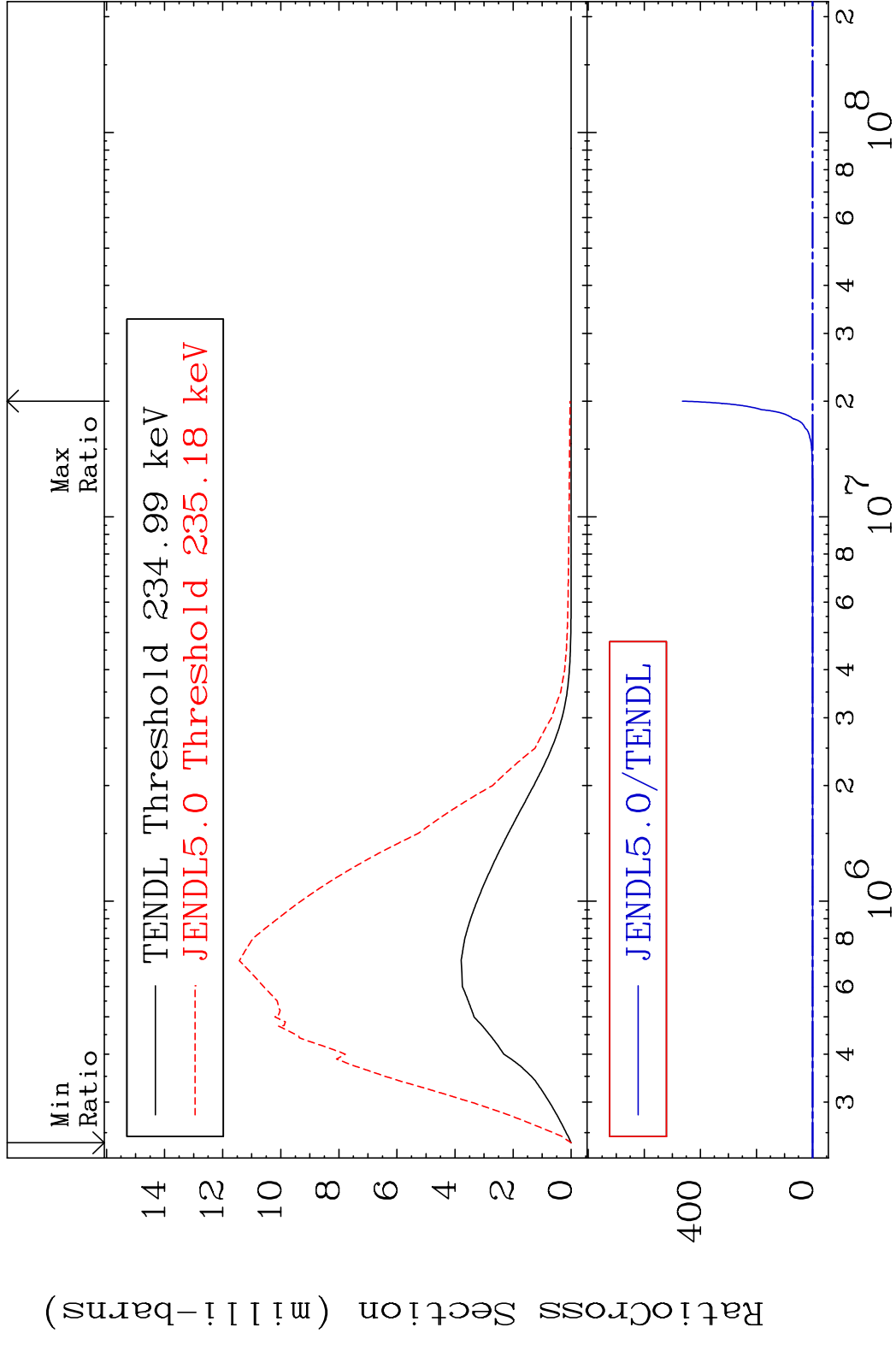


MAT 7326 MT= 61 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

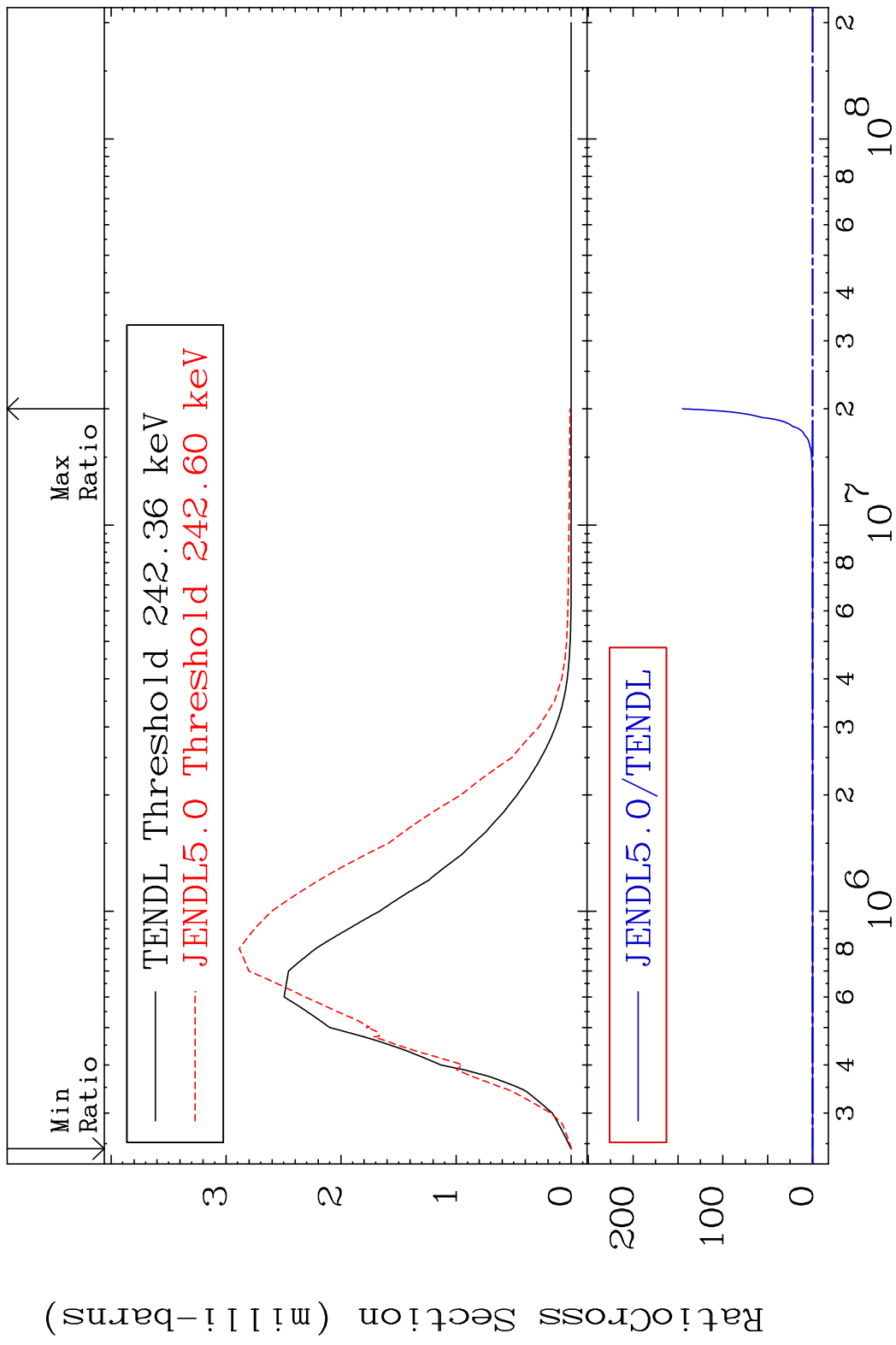


20 Incident Energy (eV) 73-Ta-180m

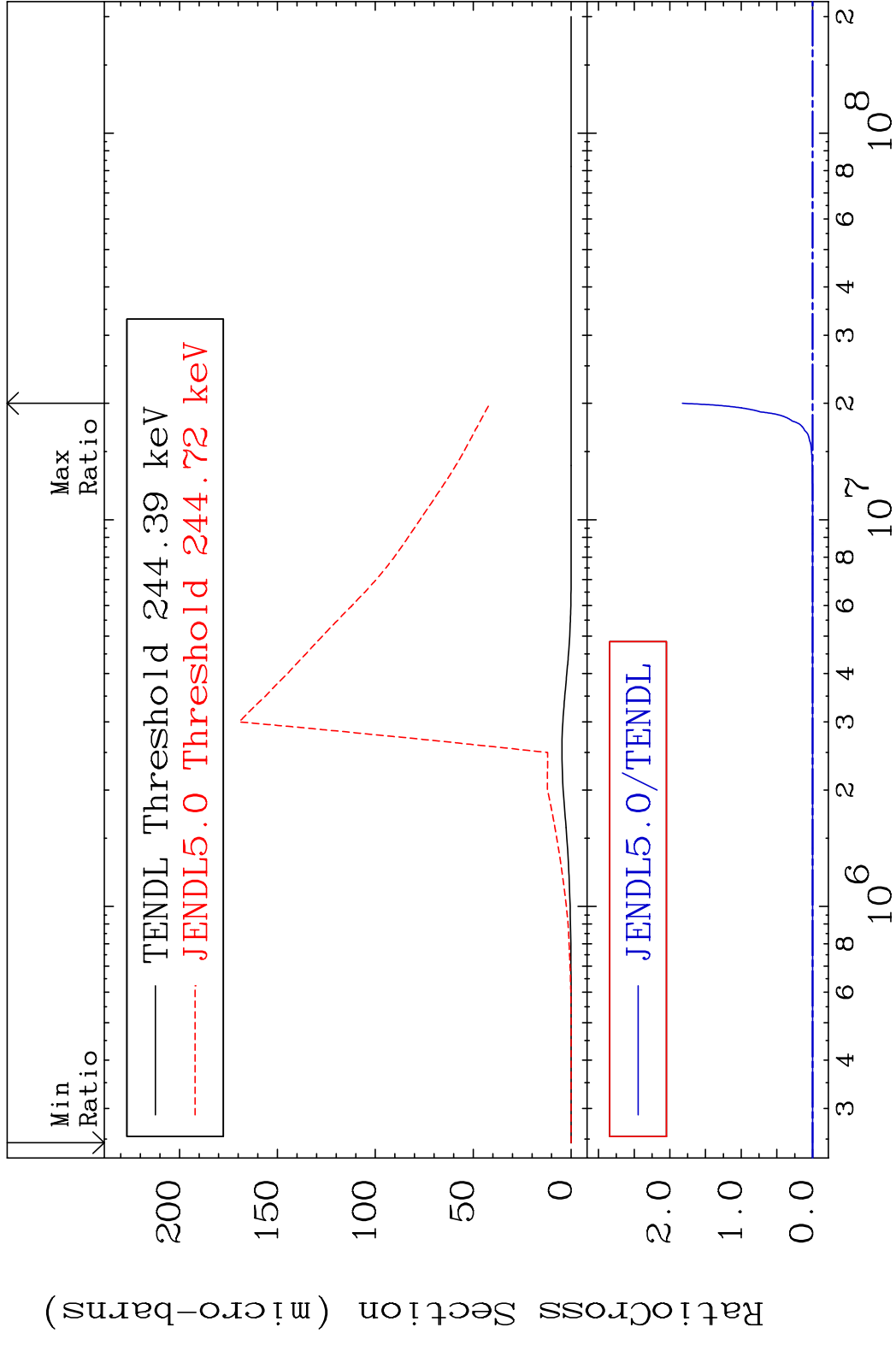
MAT 7326 MT= 62 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



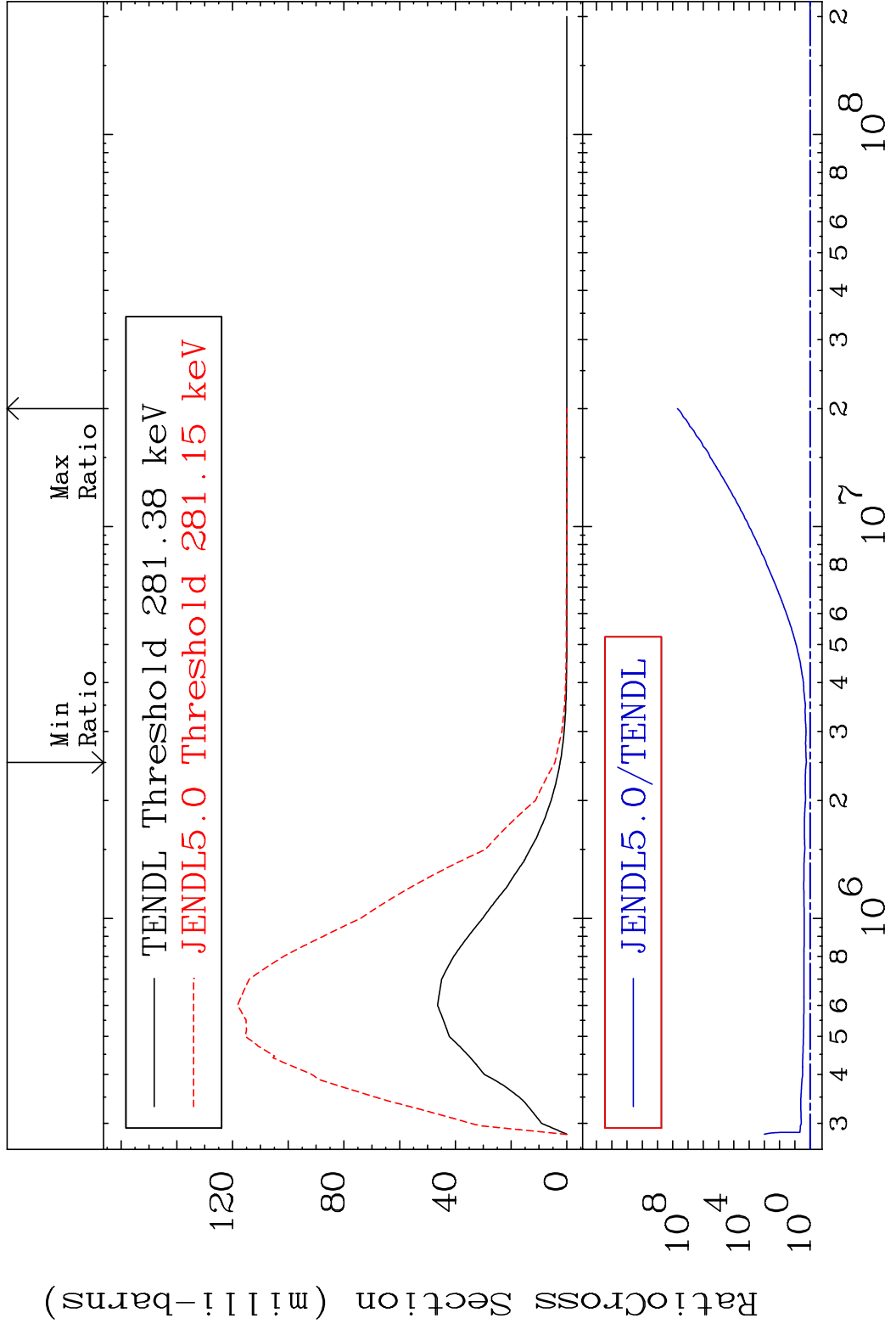
MAT 7326 MT= 63 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



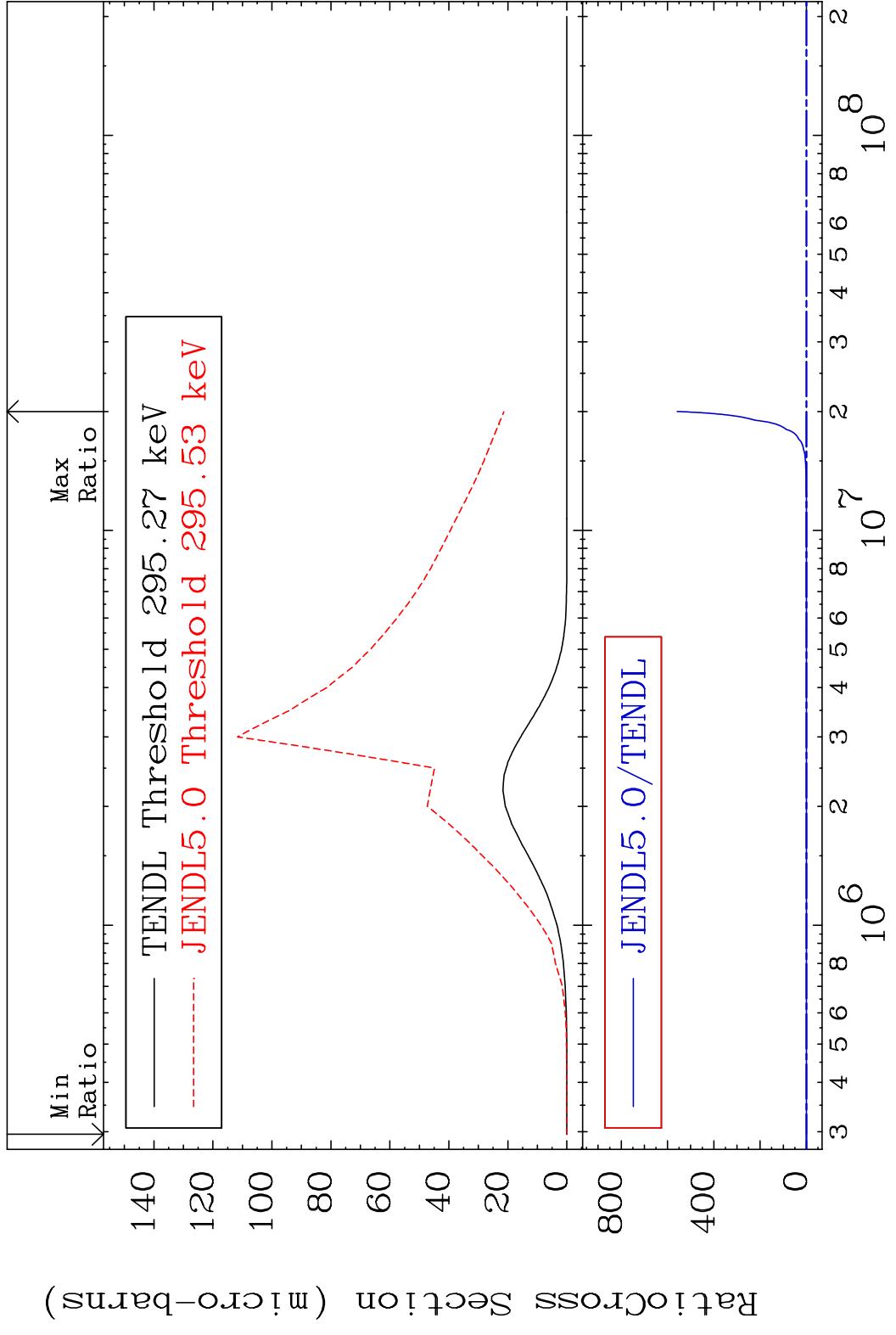
MAT 7326 MT= 64 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



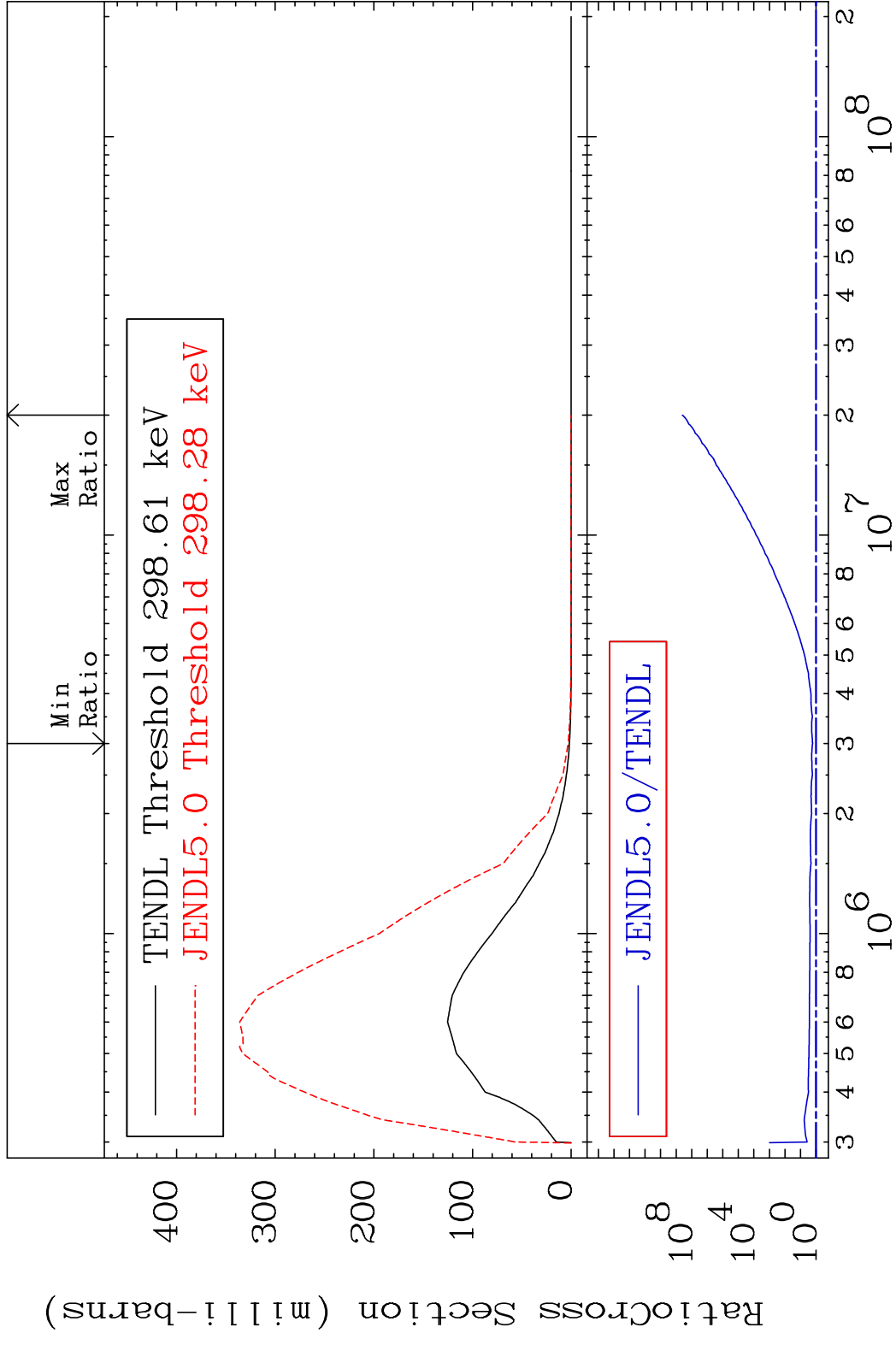
MAT 7326 MT= 65 (n,n') Level 73-Ta-180m
 Cross Section 75.29 To 9999. %



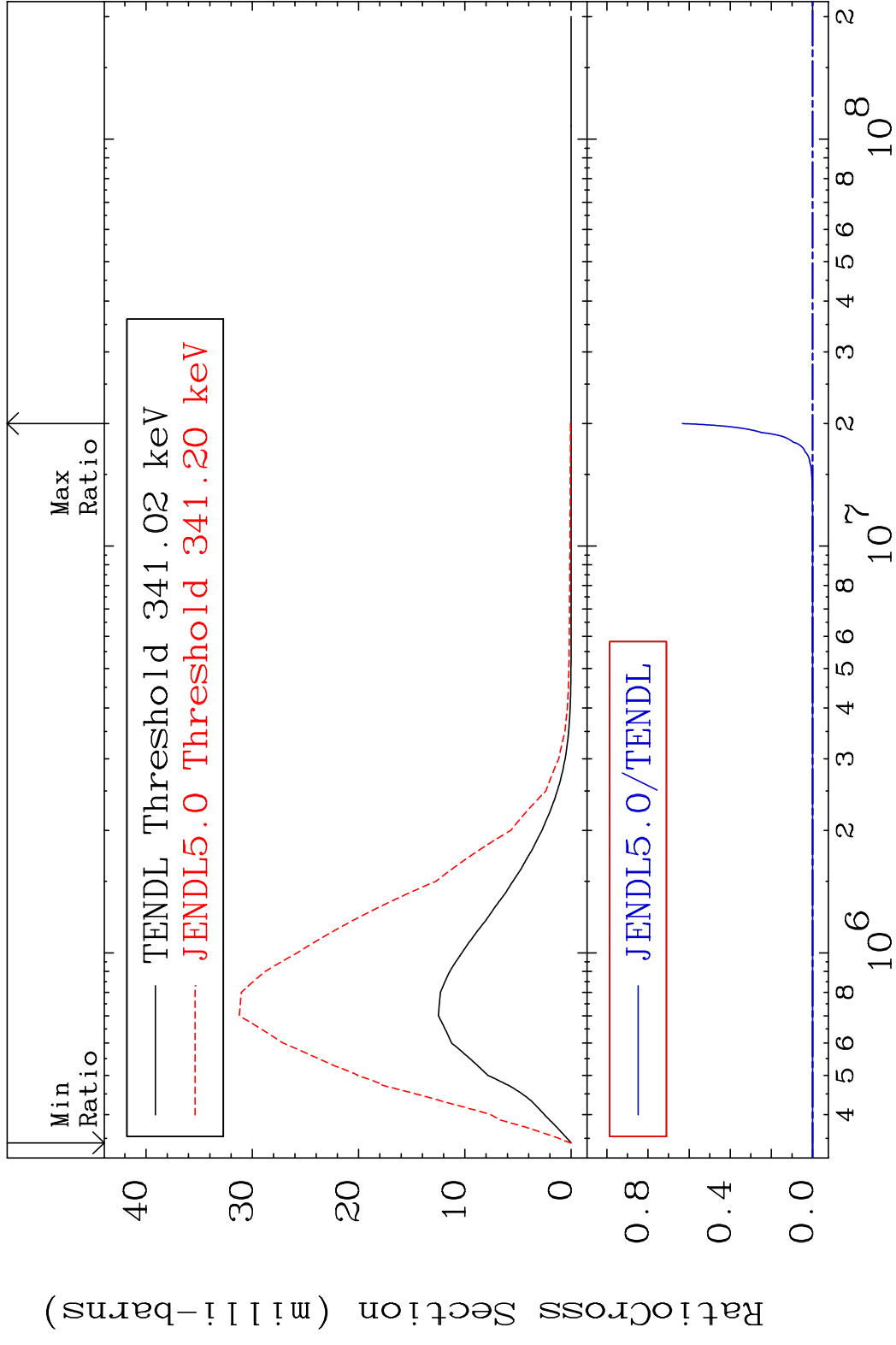
MAT 7326 MT= 66 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



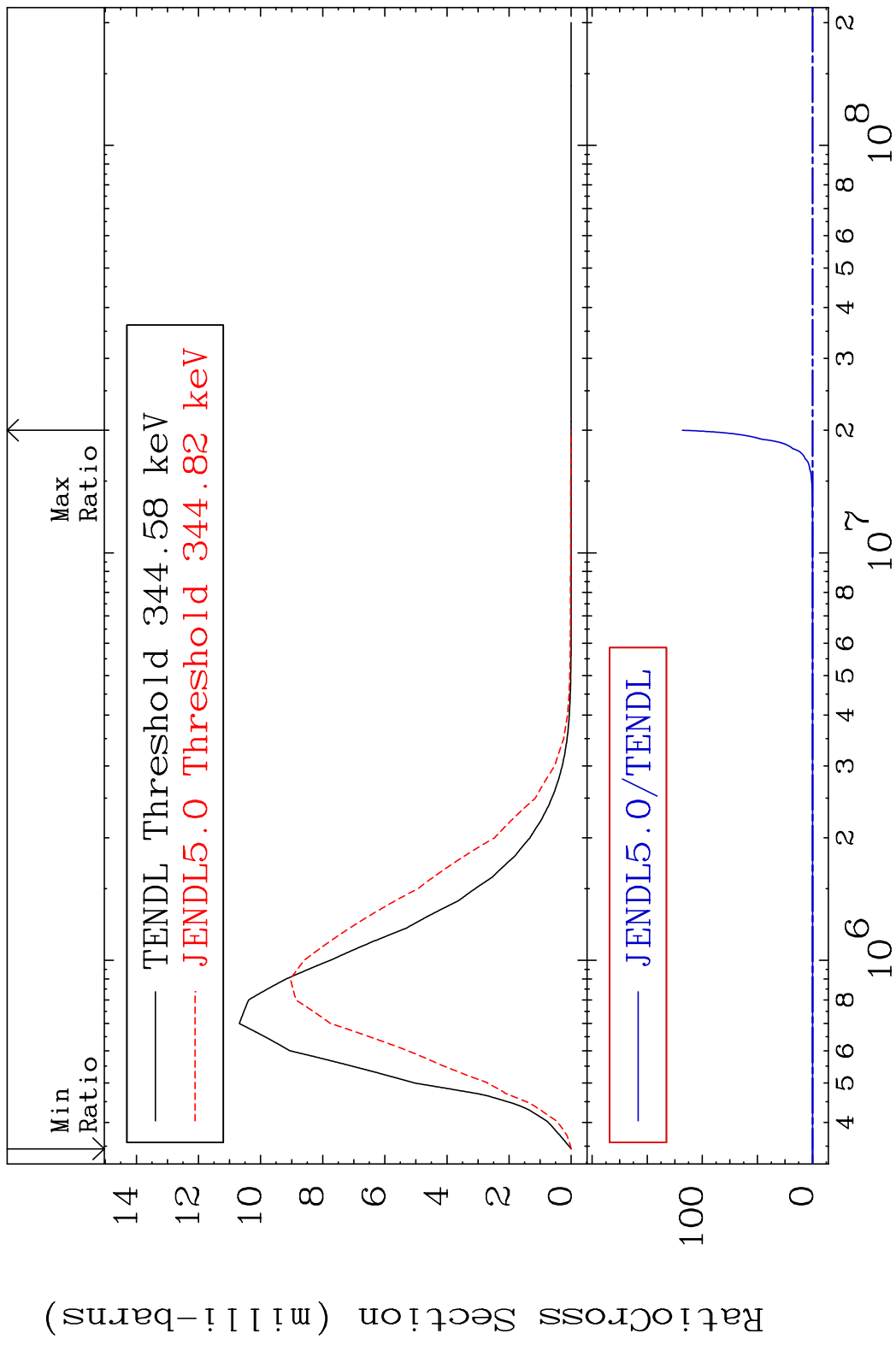
MAT 7326 MT= 67 (n, n') Level 73-Ta-180m
 Cross Section 67.57 To 9999. %



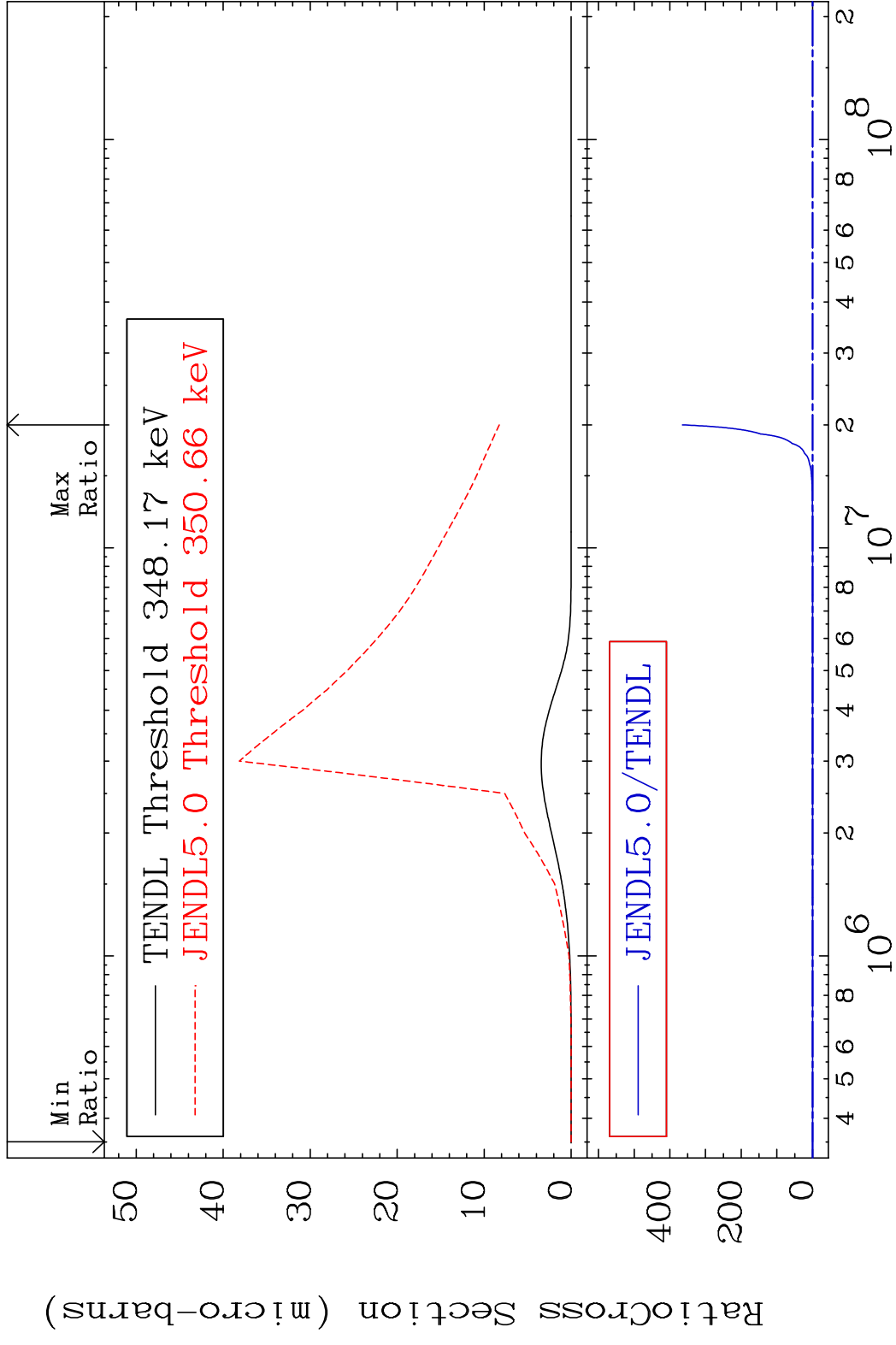
MAT 7326 MT= 68 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



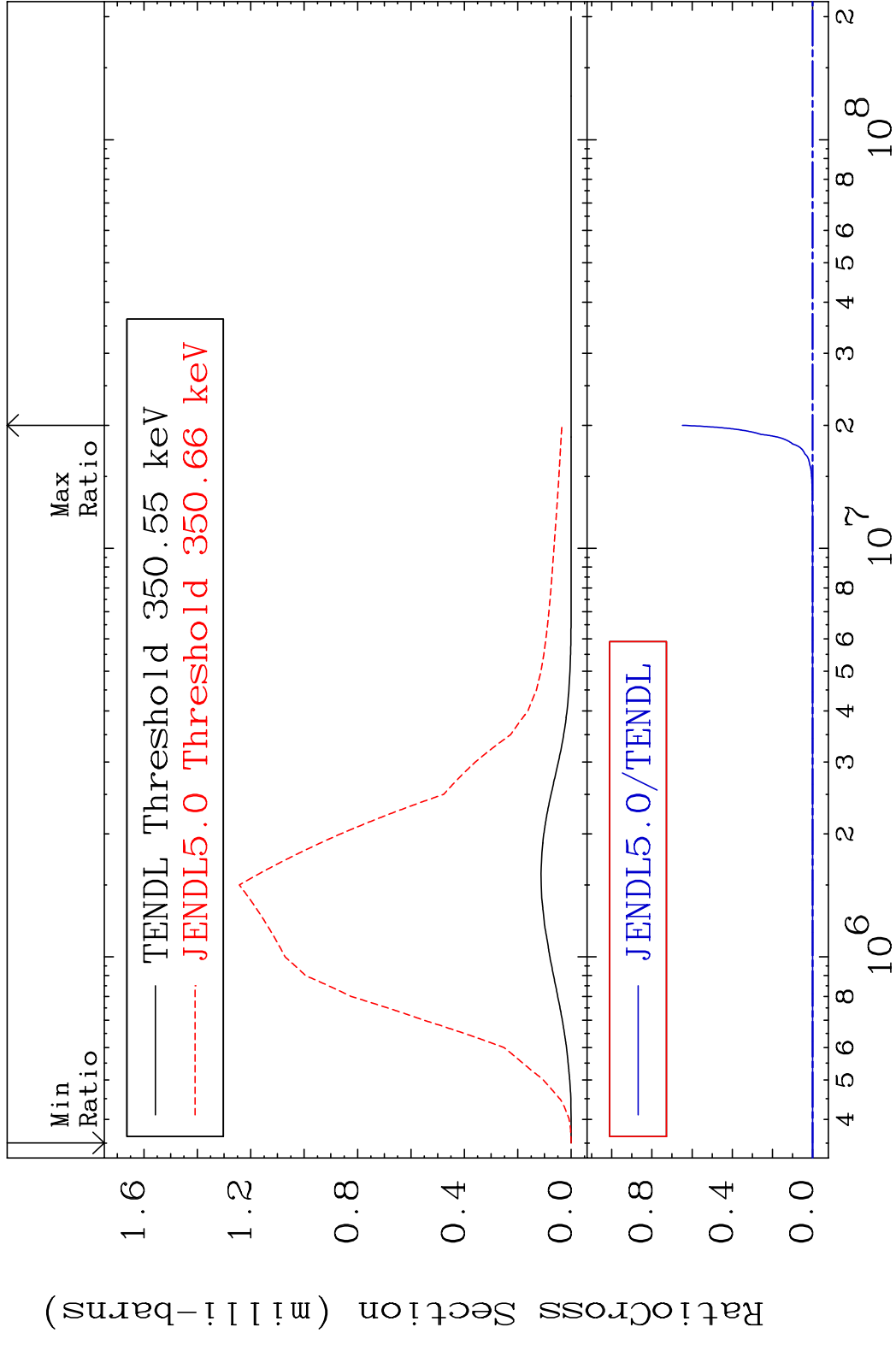
MAT 7326 MT= 69 (n,n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 70 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

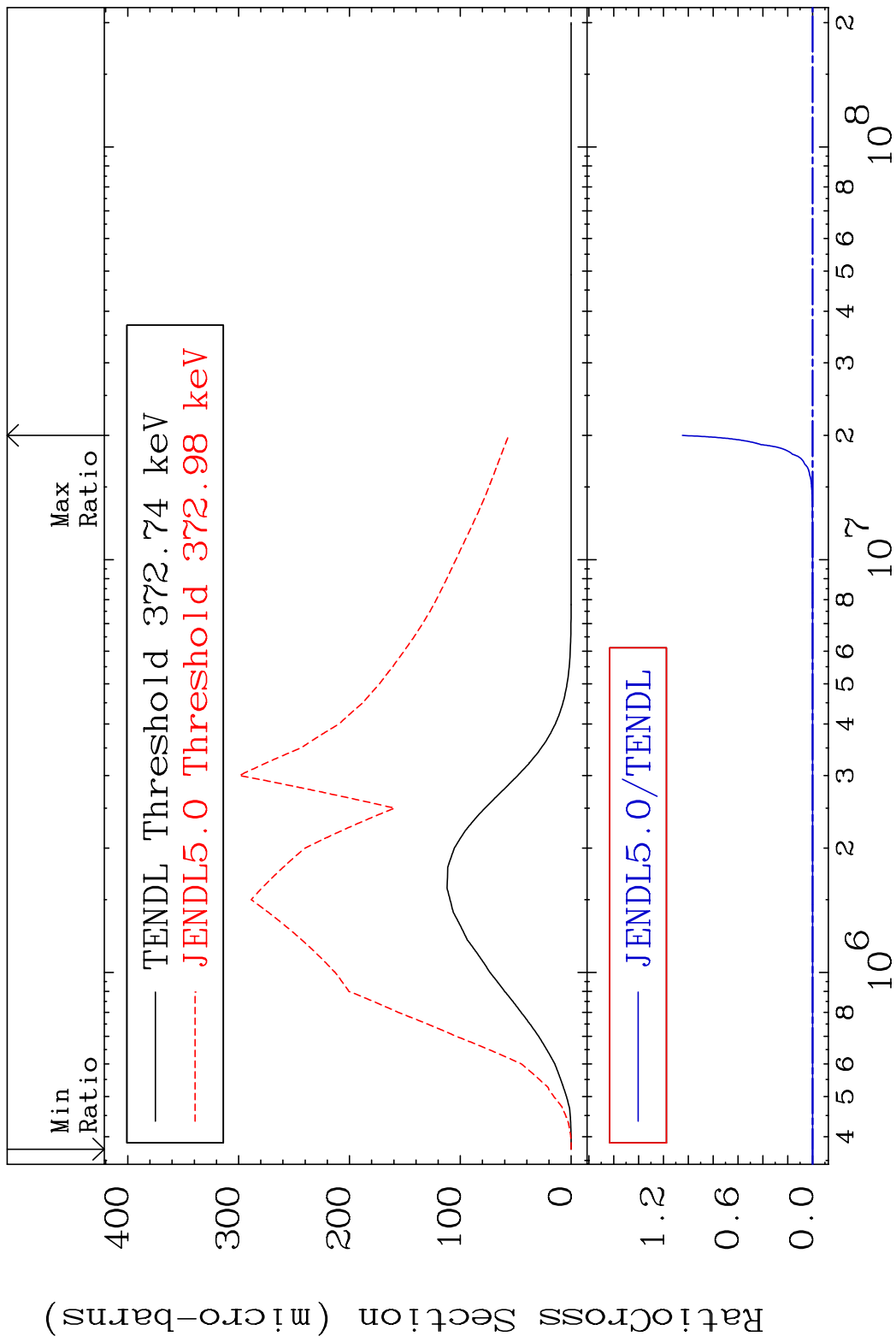


MAT 7326 MT= 71 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

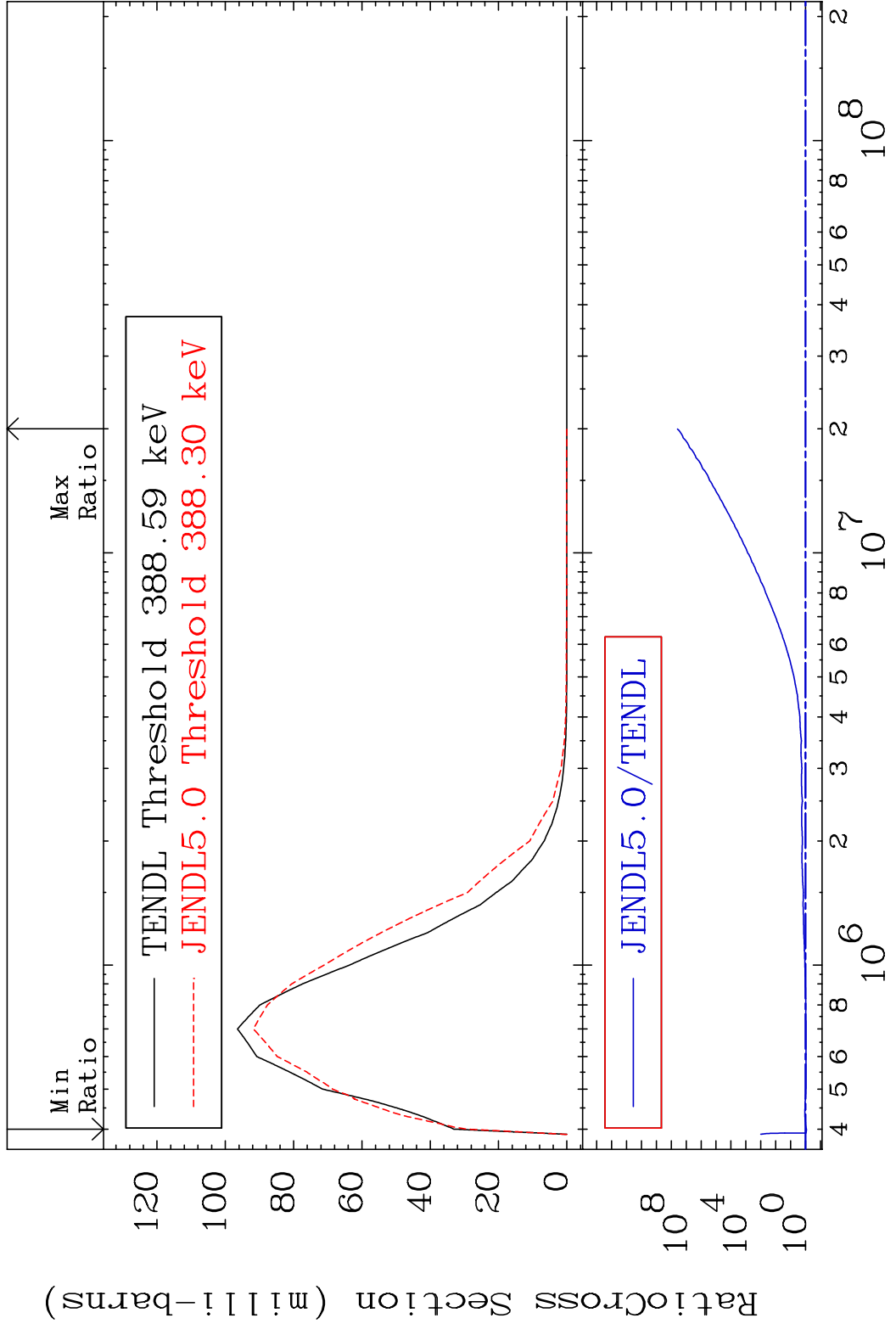


30 Incident Energy (eV) 73-Ta-180m

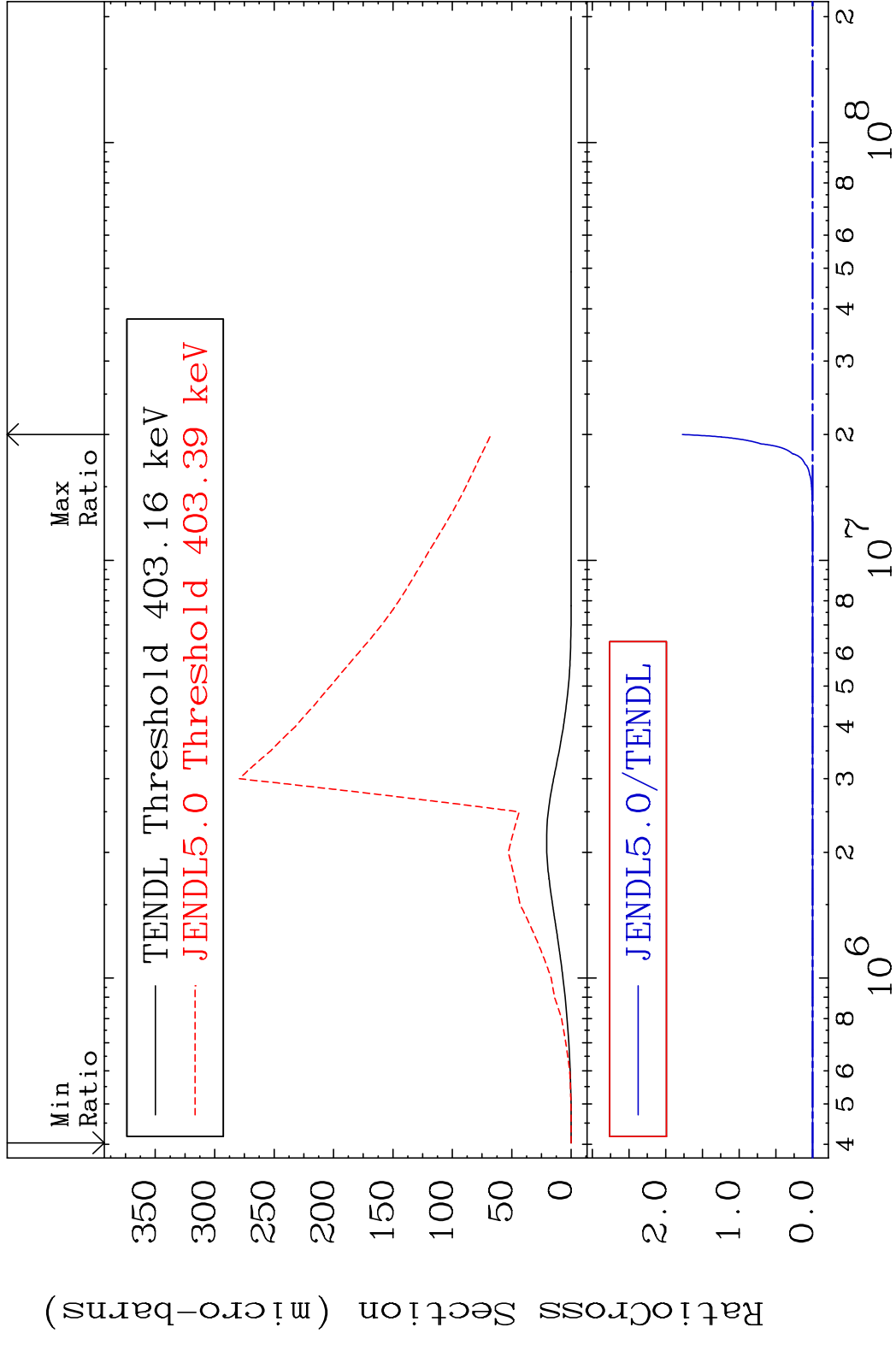
MAT 7326 MT= 72 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



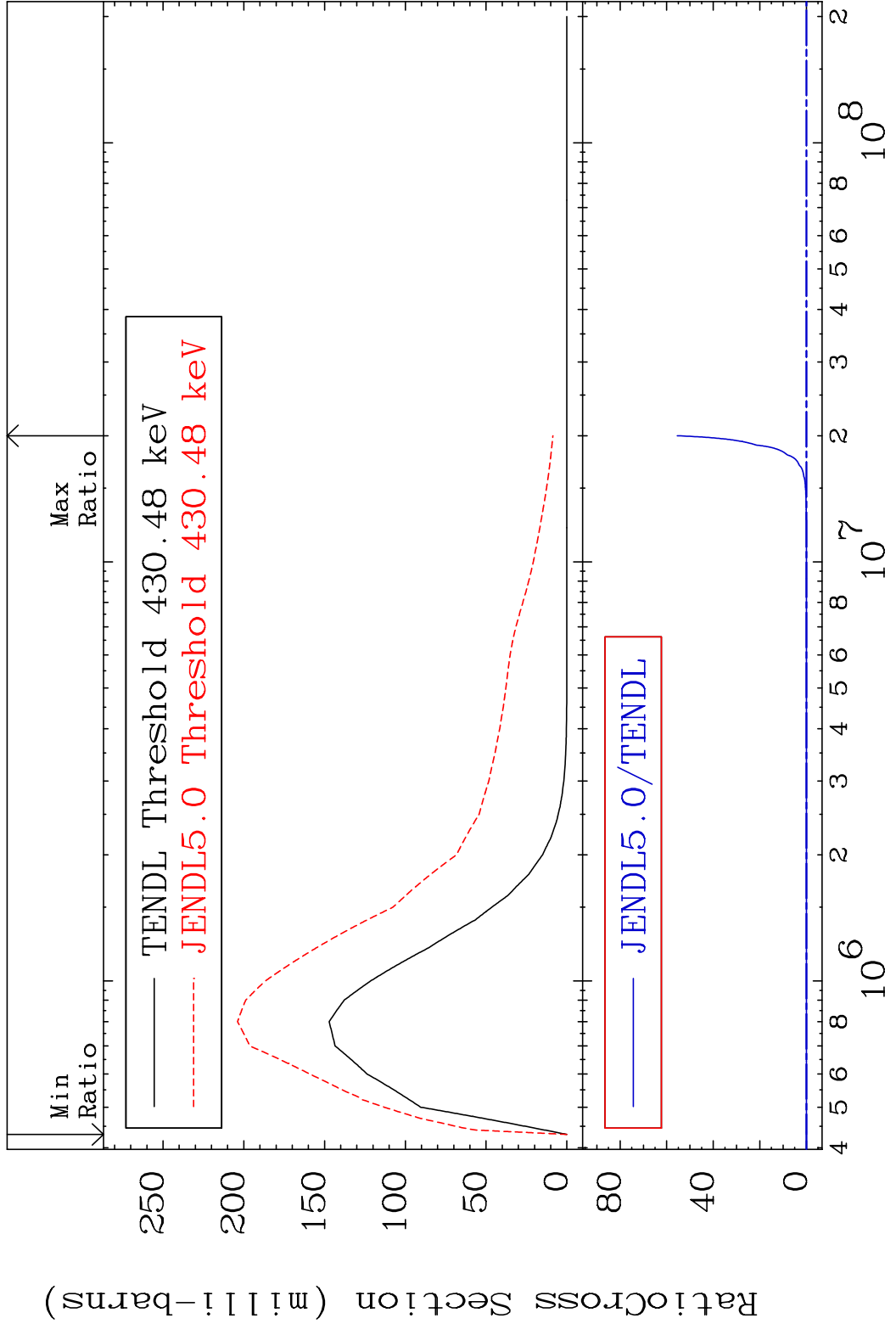
MAT 7326 MT= 73 (n, n') Level 73-Ta-180m
 Cross Section -11.39 To 9999. %



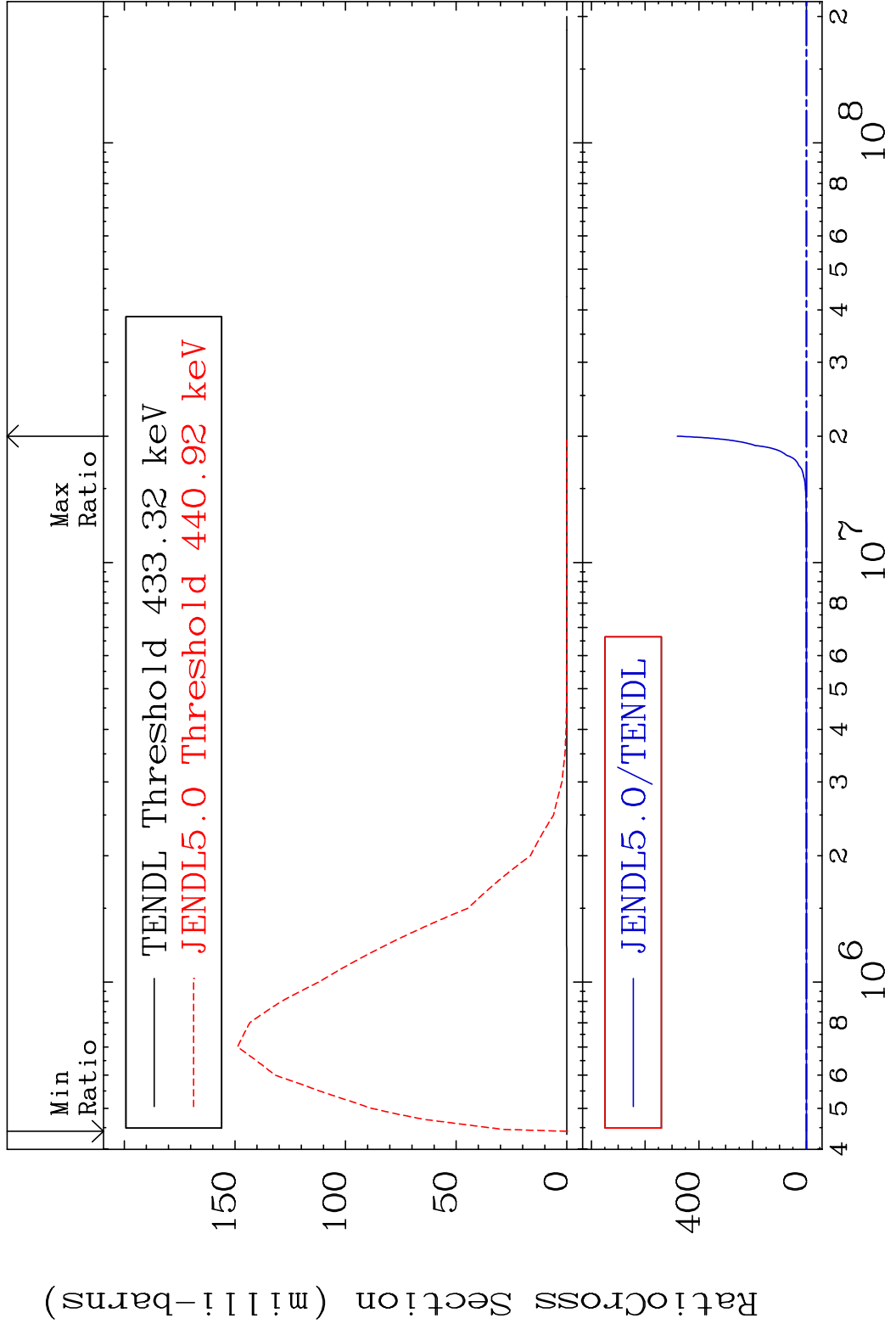
MAT 7326 MT= 74 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



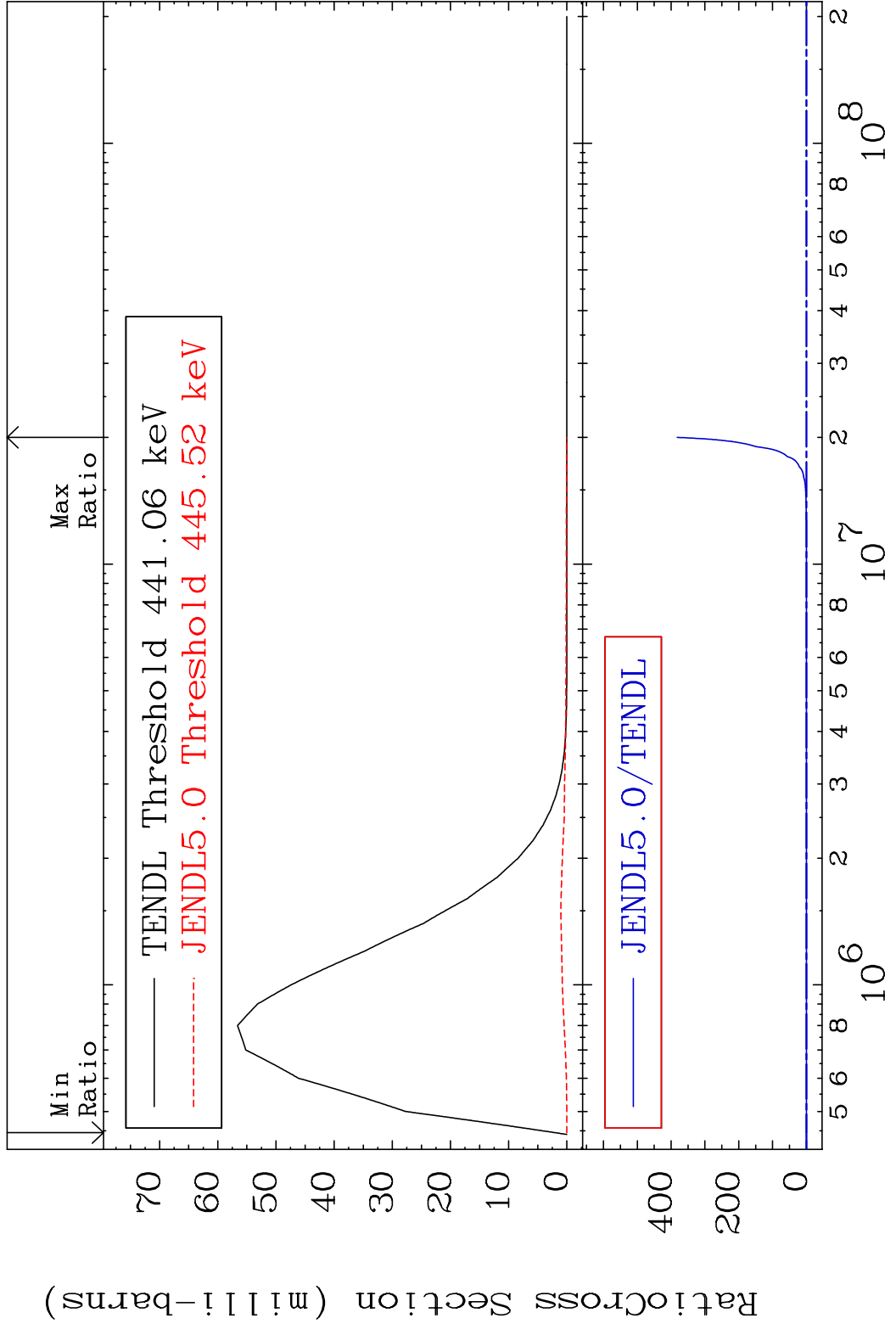
MAT 7326 MT= 75 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 76 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 77 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

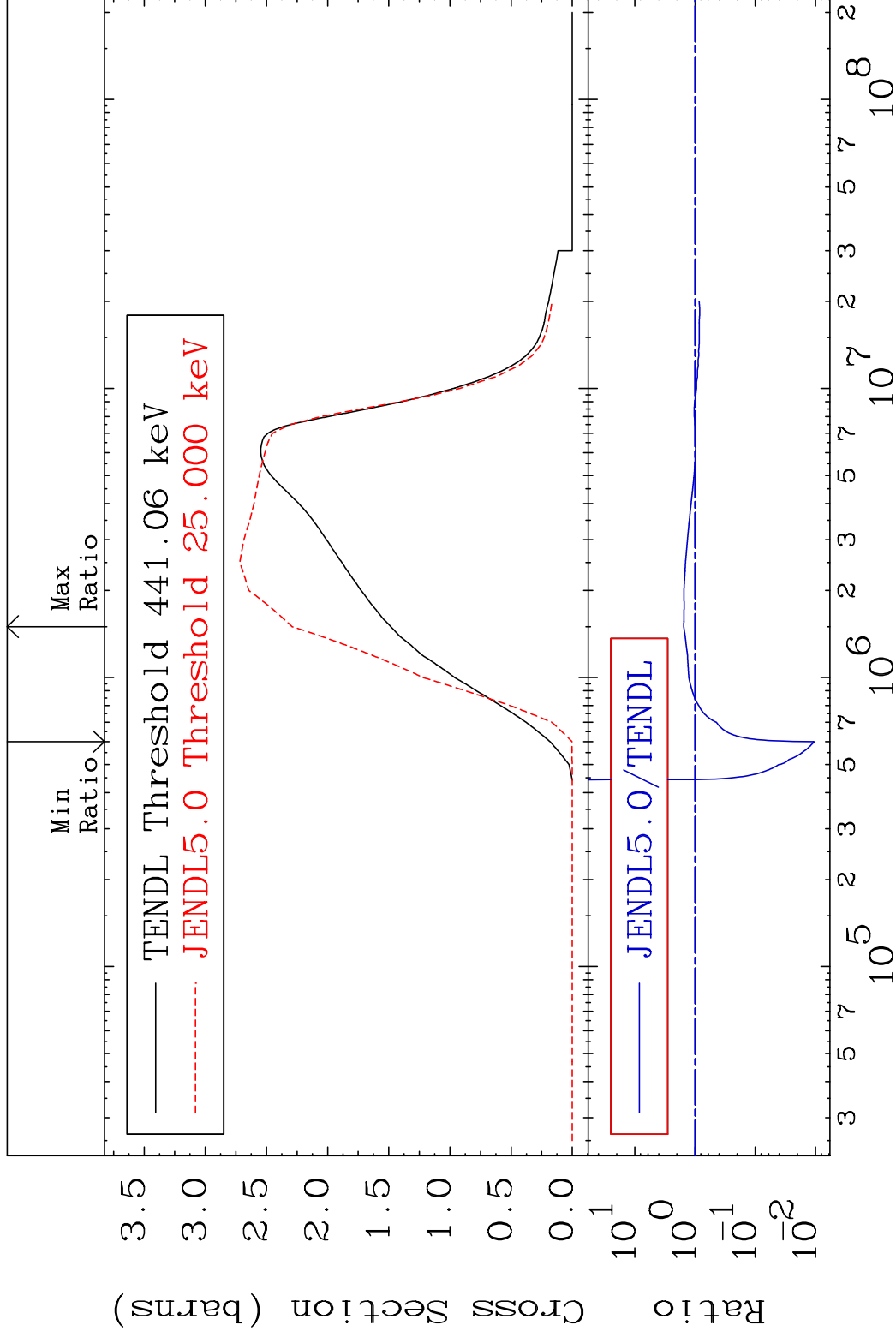


MAT 7326

(n, n') Continuum

73-Ta-180m

Cross Section -98.94 To 54.49 %



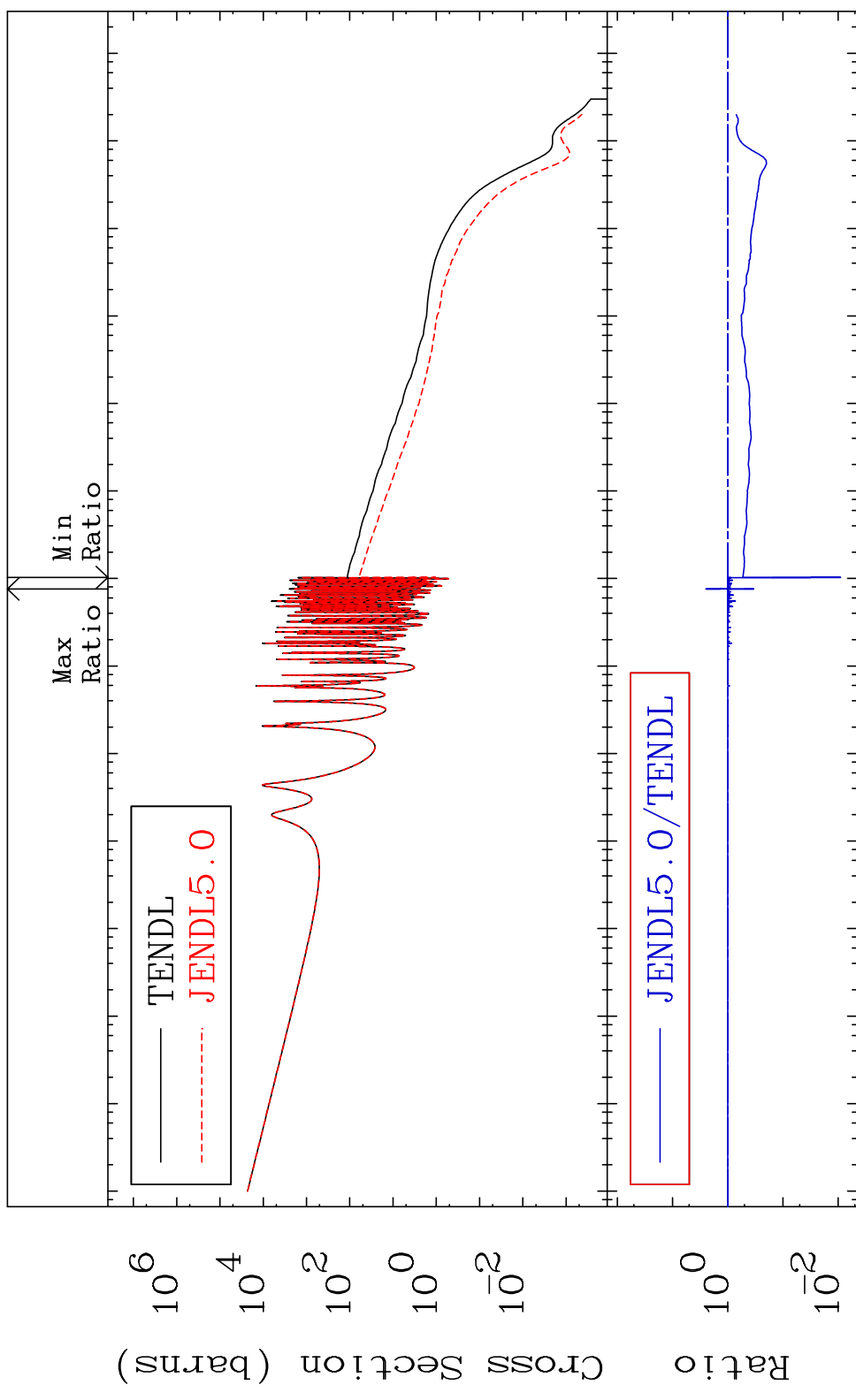
37

Incident Energy (eV)

73-Ta-180m

MAT 7326

(n, γ)
Cross Section -99.09 To 150.3 %



38

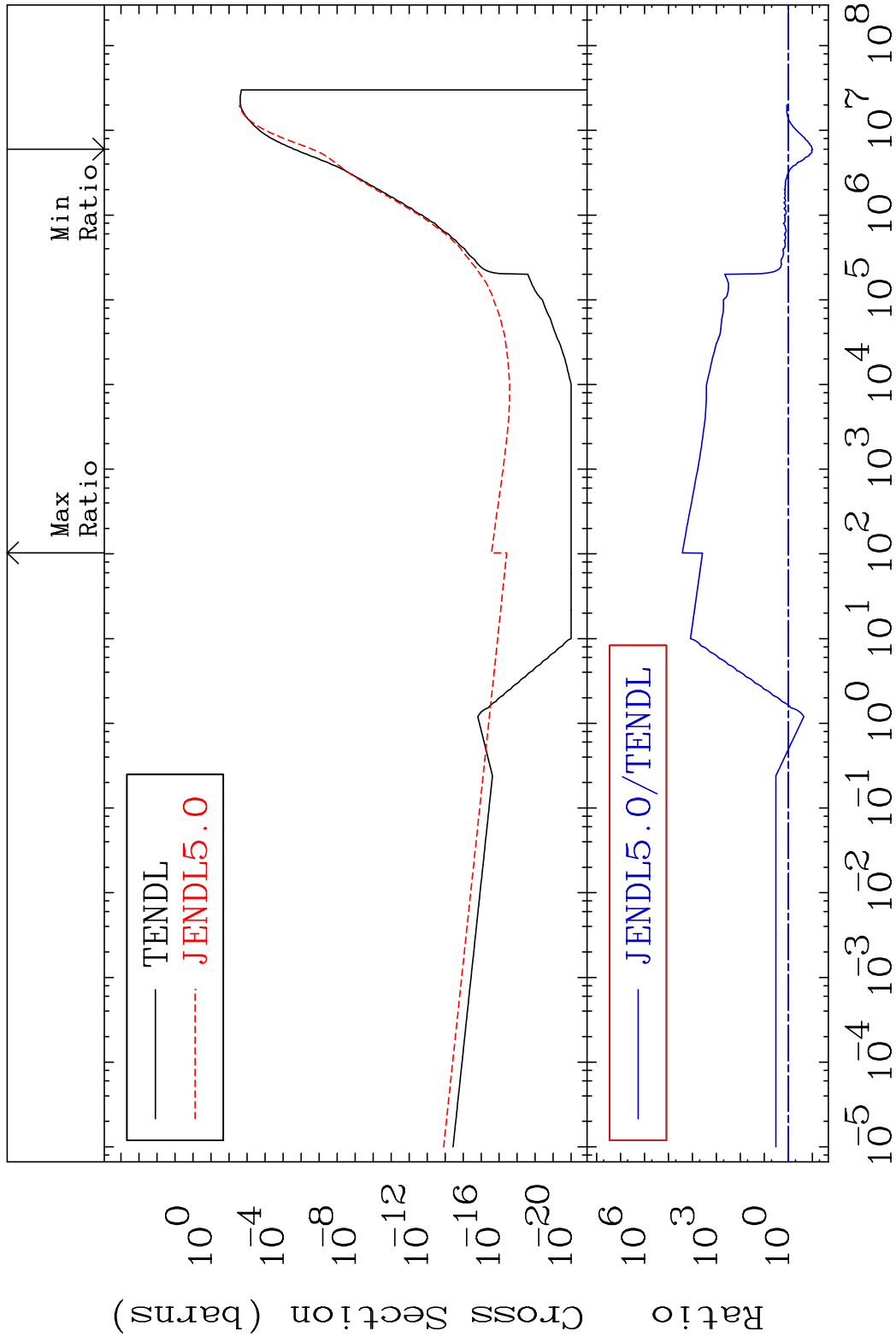
Incident Energy (eV) 73-Ta-180m

MAT 7326

(n, p)

73-Ta-180m

Cross Section -90.24 To 9999. %



39

Incident Energy (eV)

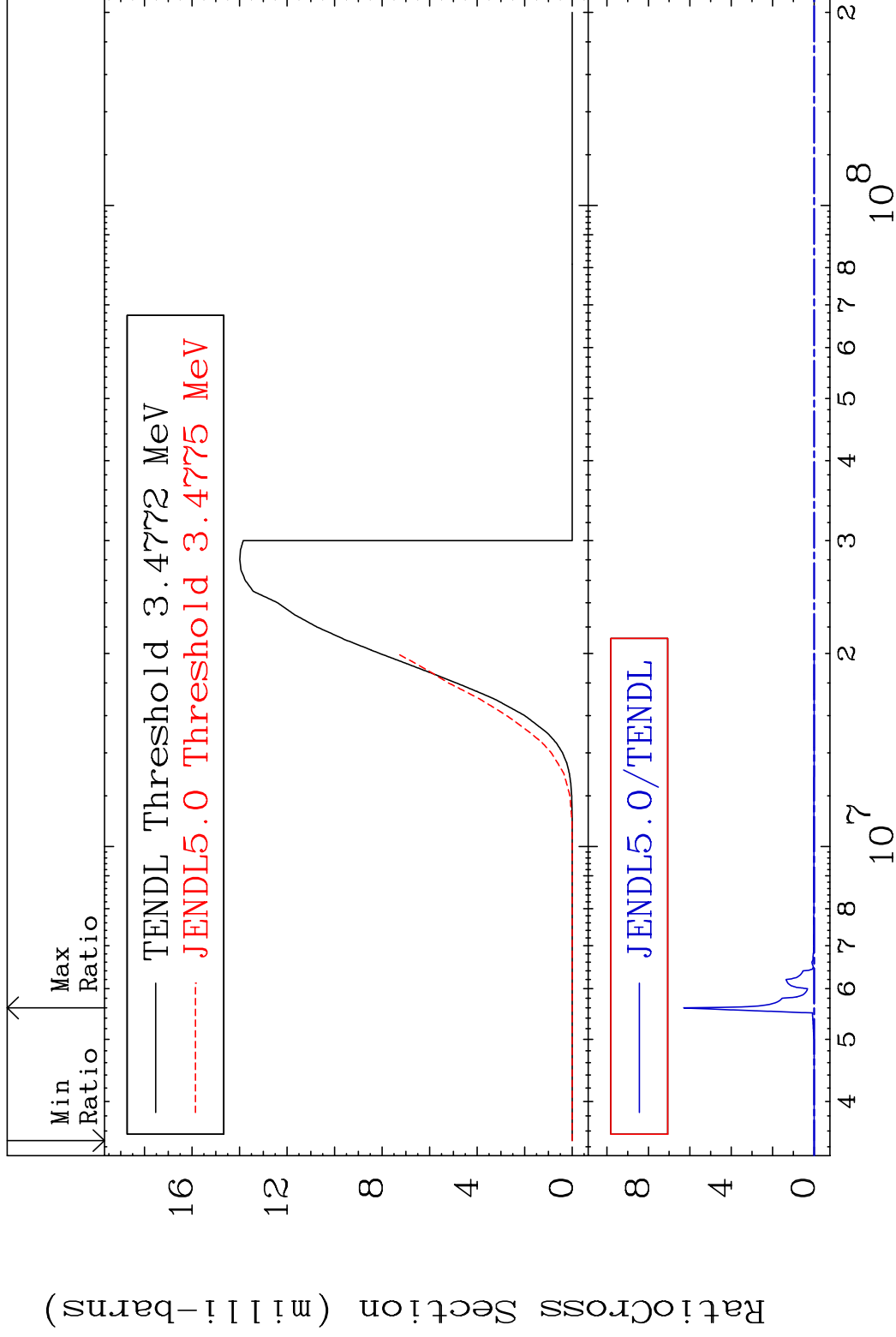
73-Ta-180m

MAT 7326

(n, d)

73-Ta-180m

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

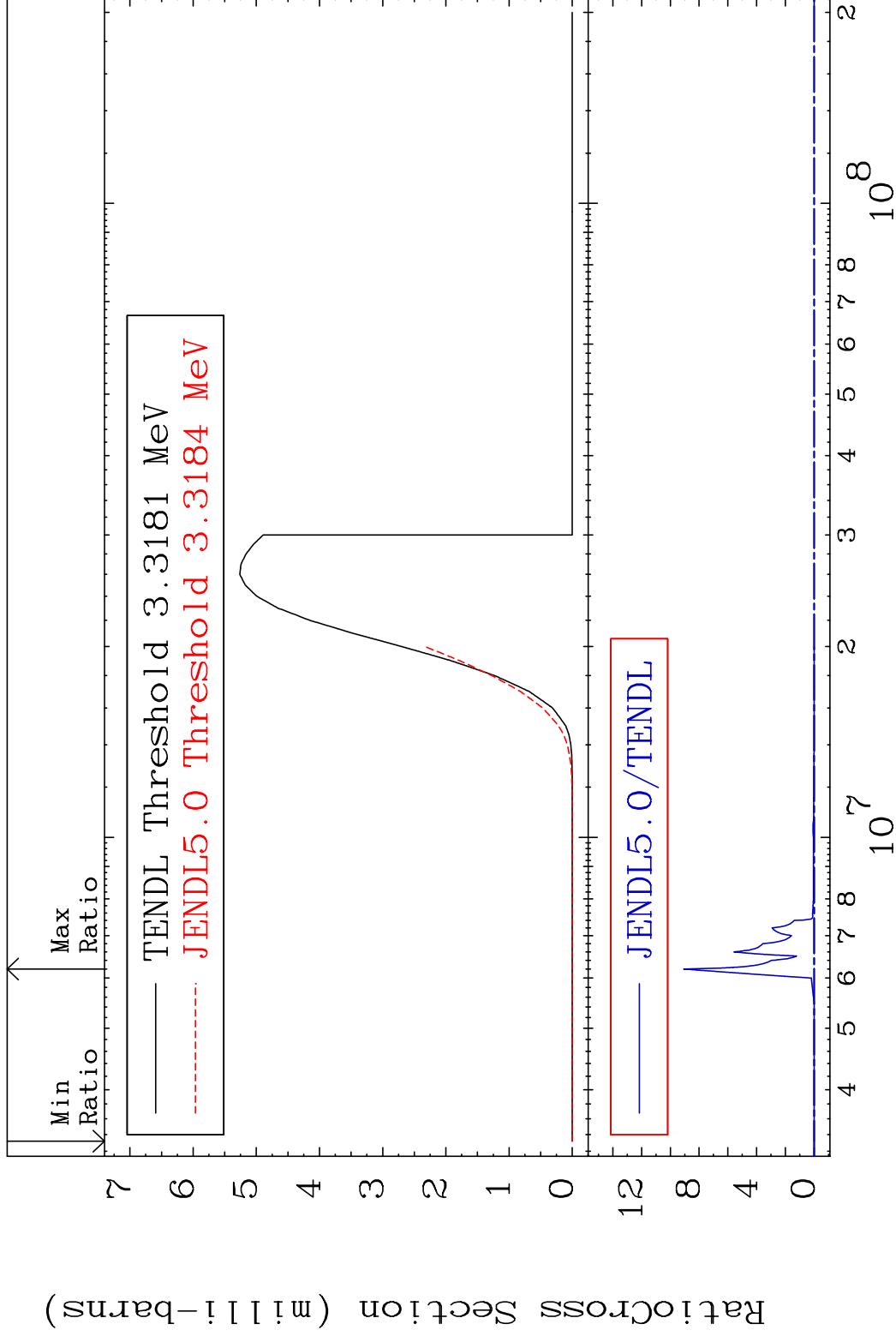
73-Ta-180m

MAT 7326

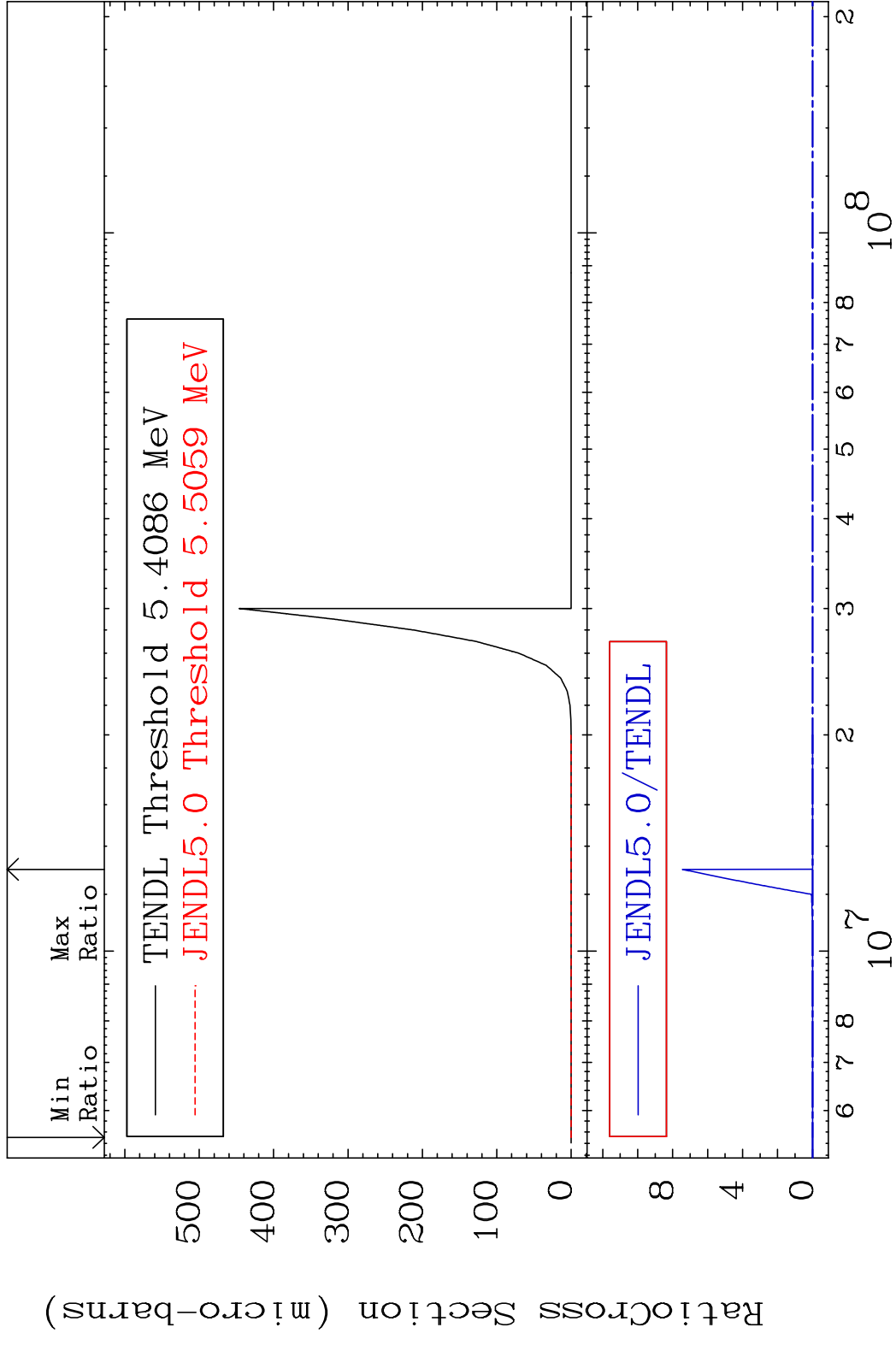
(n, t)

73-Ta-180m

Cross Section -100.0 To 9999. %



MAT 7326 (n, He-3) 73-Ta-180m
 Cross Section -100.0 To 9999. %



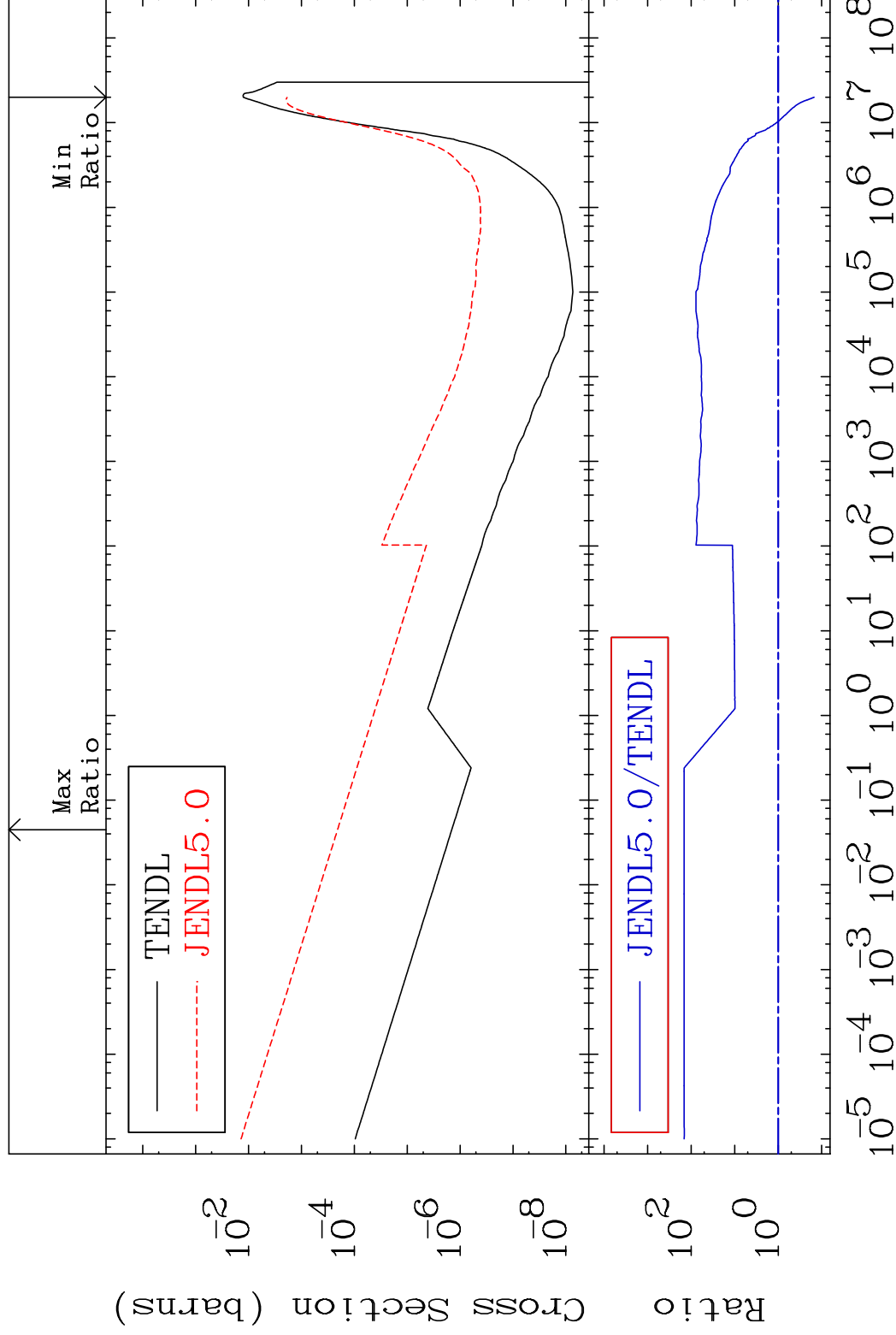
42 Incident Energy (eV) 73-Ta-180m

MAT 7326

73-Ta-180m

(n, α)

Cross Section -85.17 To 9999. %

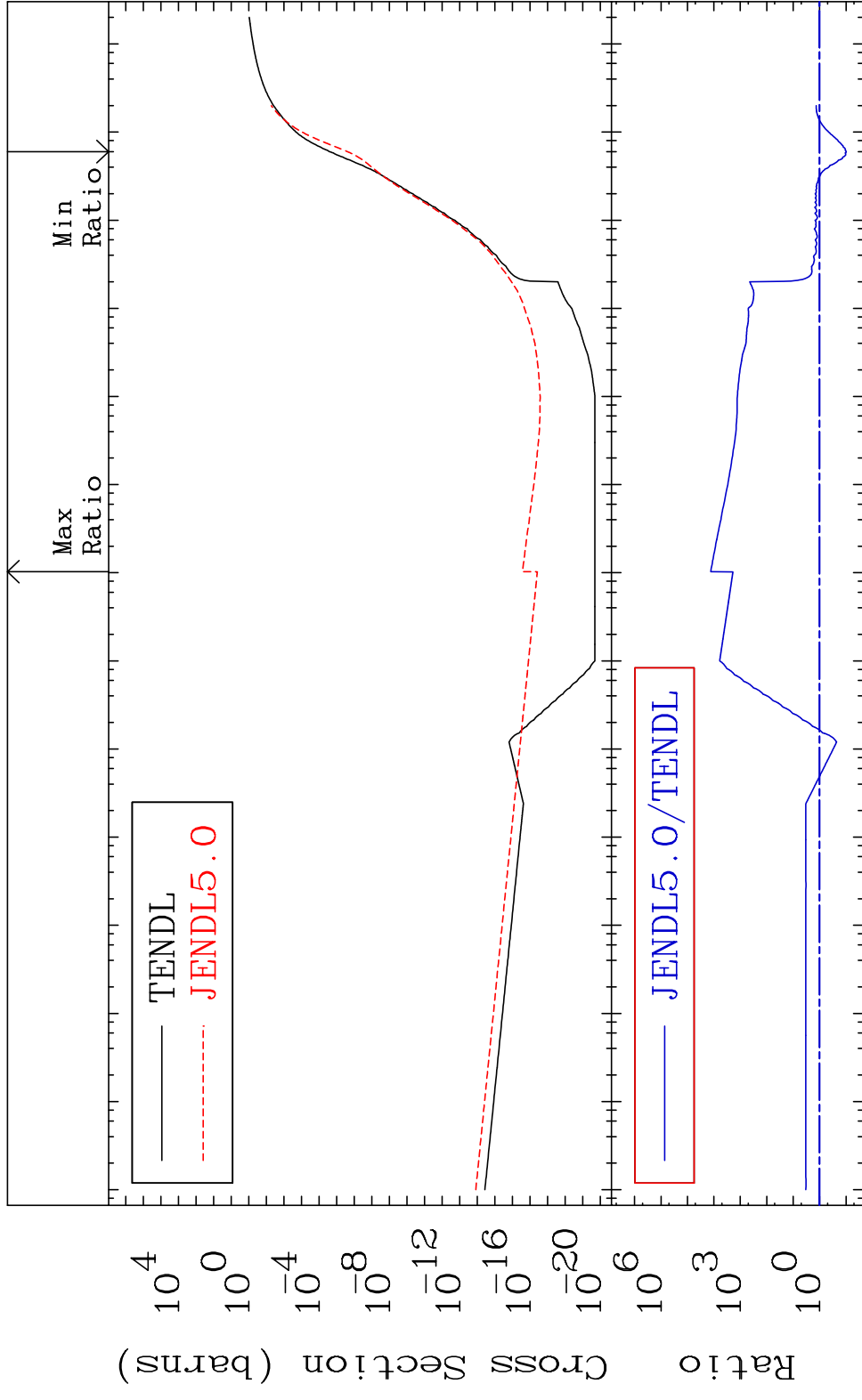


43

Incident Energy (eV)

73-Ta-180m

MAT 7326 Hydrogen Production 73-Ta-180m
 Cross Section -90.24 To 9999. %

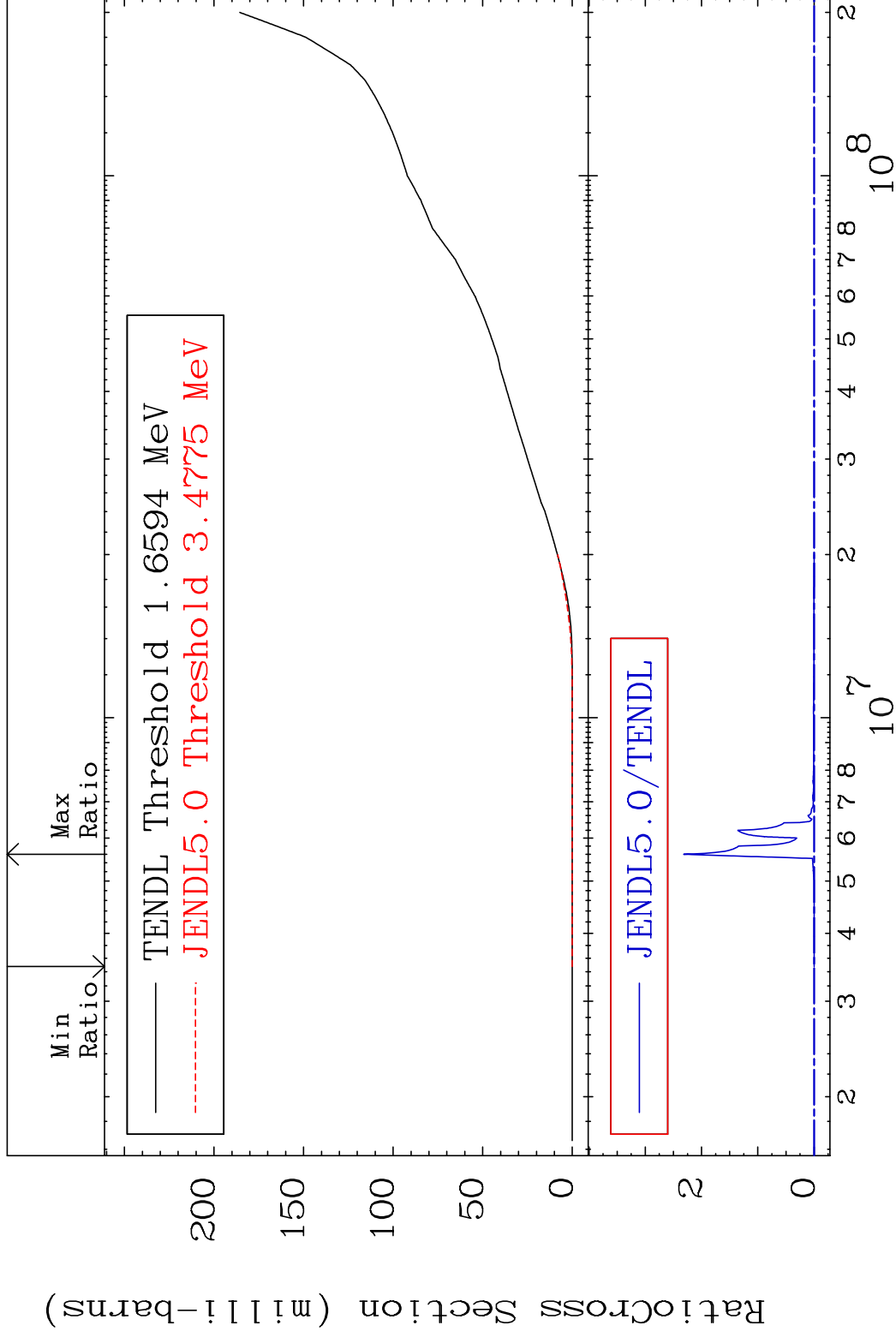


44 Incident Energy (eV) 73-Ta-180m

MAT 7326

Deuterium Production 73-Ta-180m

Cross Section -100.0 To 9999. %



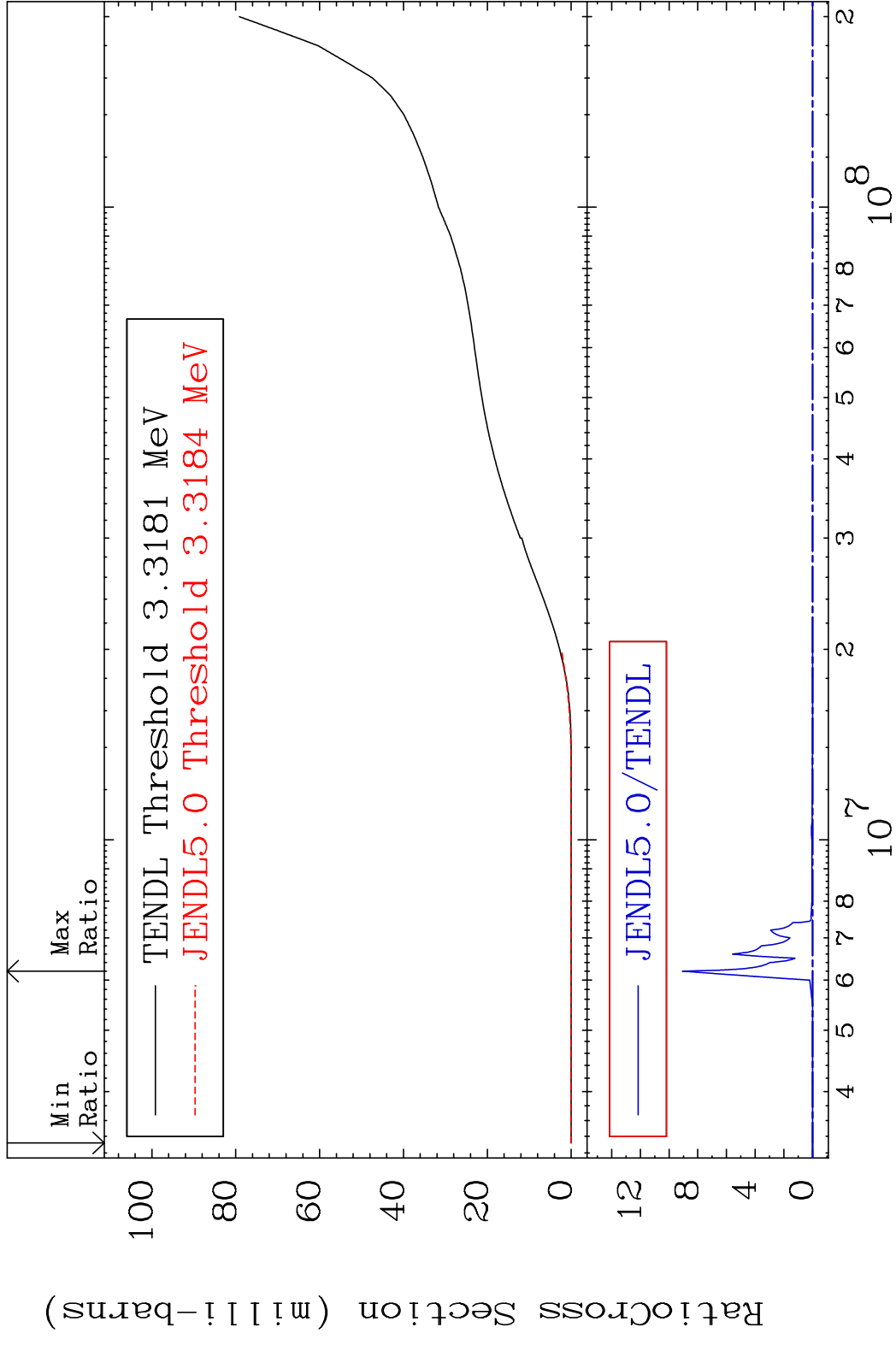
45

Incident Energy (eV)

73-Ta-180m

MAT 7326

Tritium Production 73-Ta-180m
Cross Section -100.0 To 9999. %

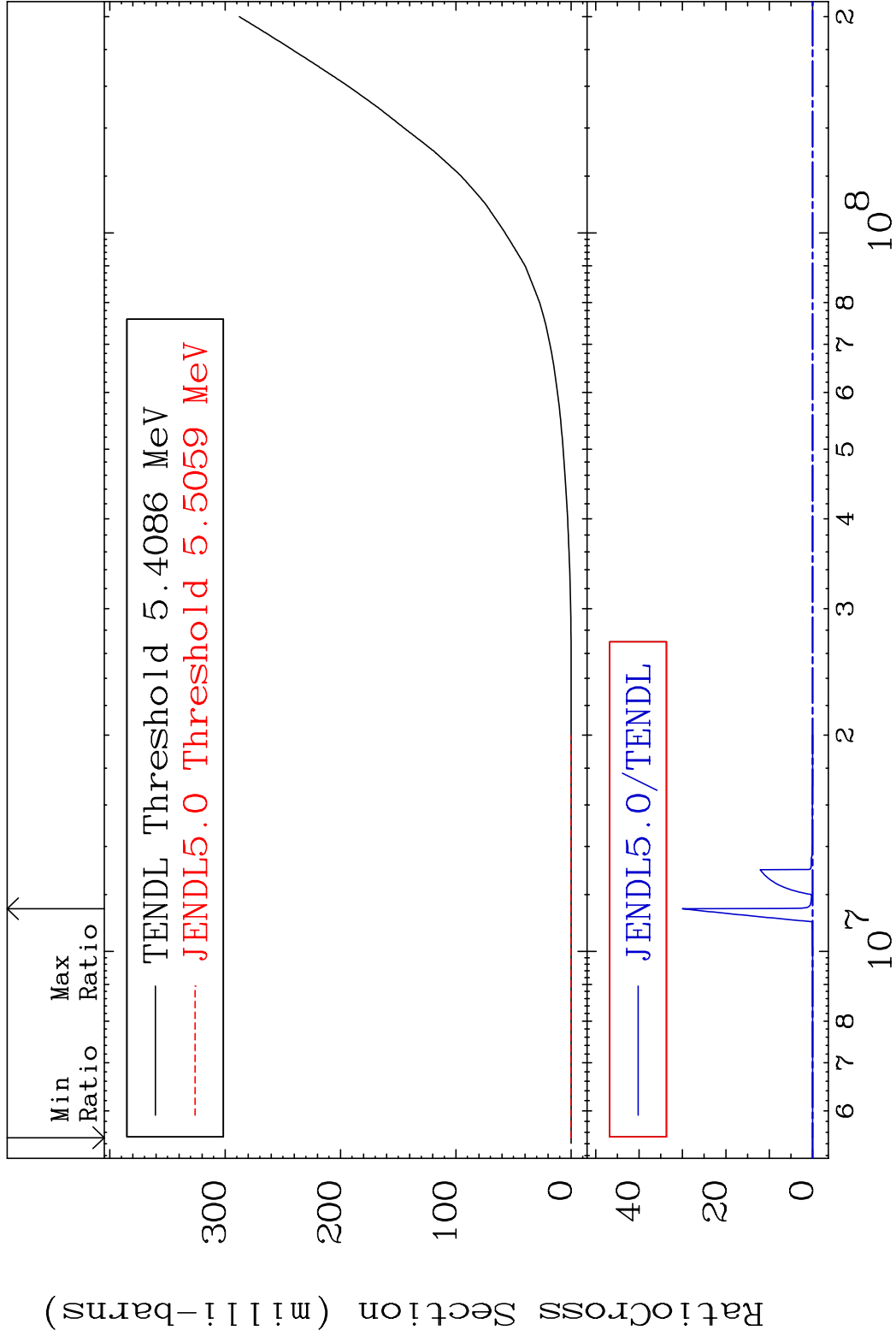


MAT 7326

He-3 Production

73-Ta-180m

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

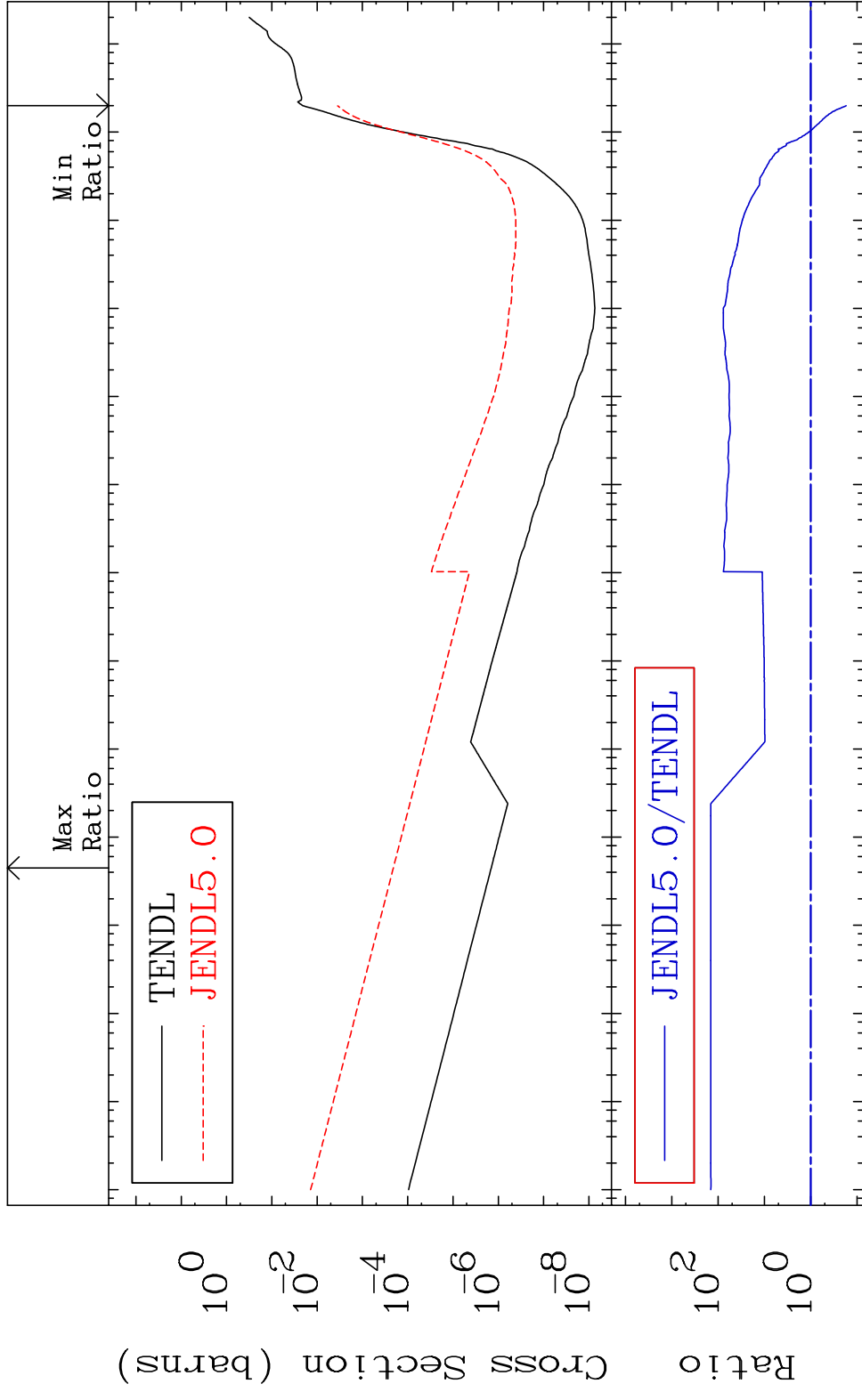
73-Ta-180m

MAT 7326

He-4 Production

73-Ta-180m

Cross Section -82.86 To 9999. %



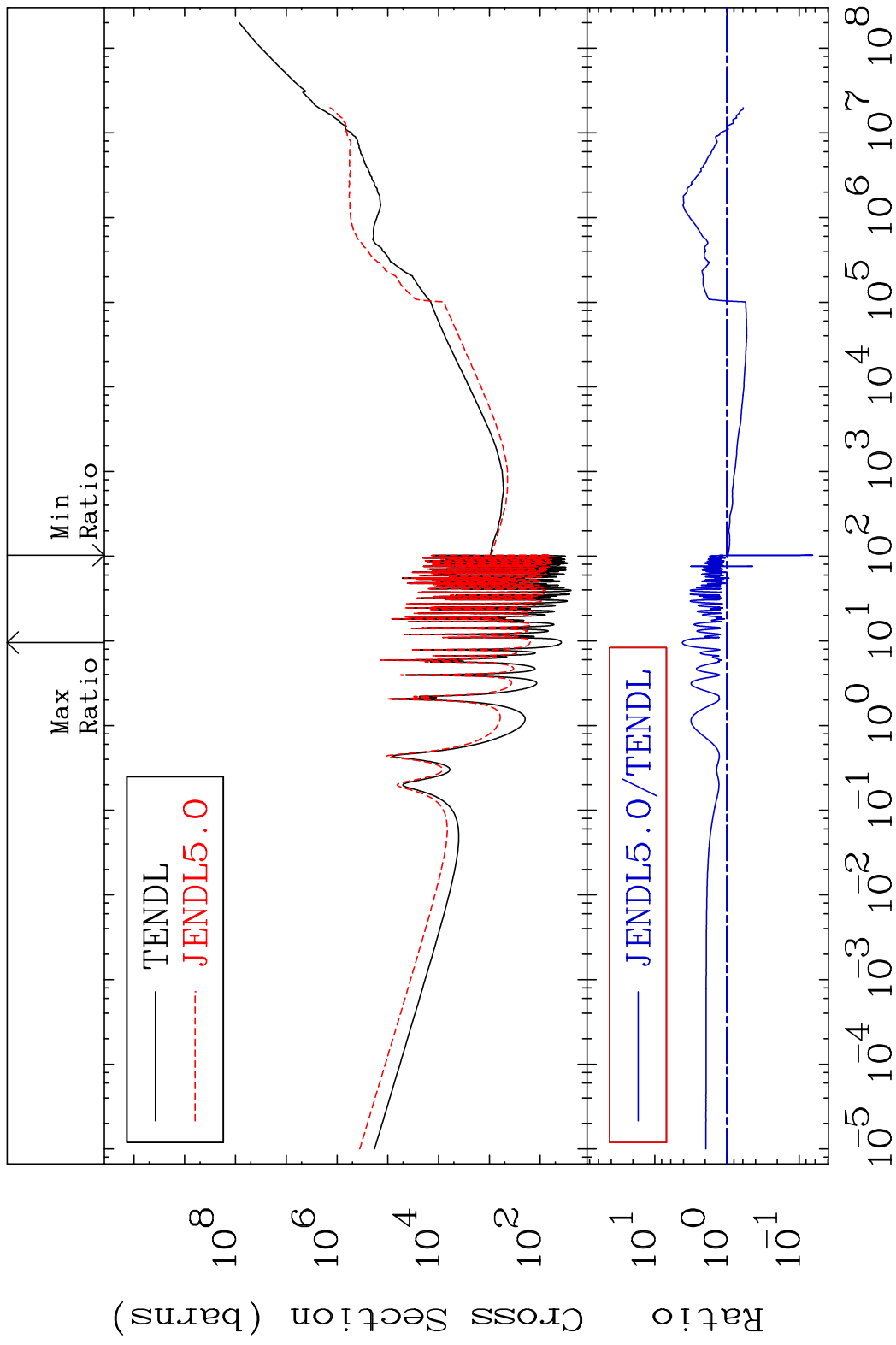
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

48

Incident Energy (eV)

73-Ta-180m

MAT 7326 Kerma total (eV-barns) 73-Ta-180m
Cross Section -93.49 To 314.1 %

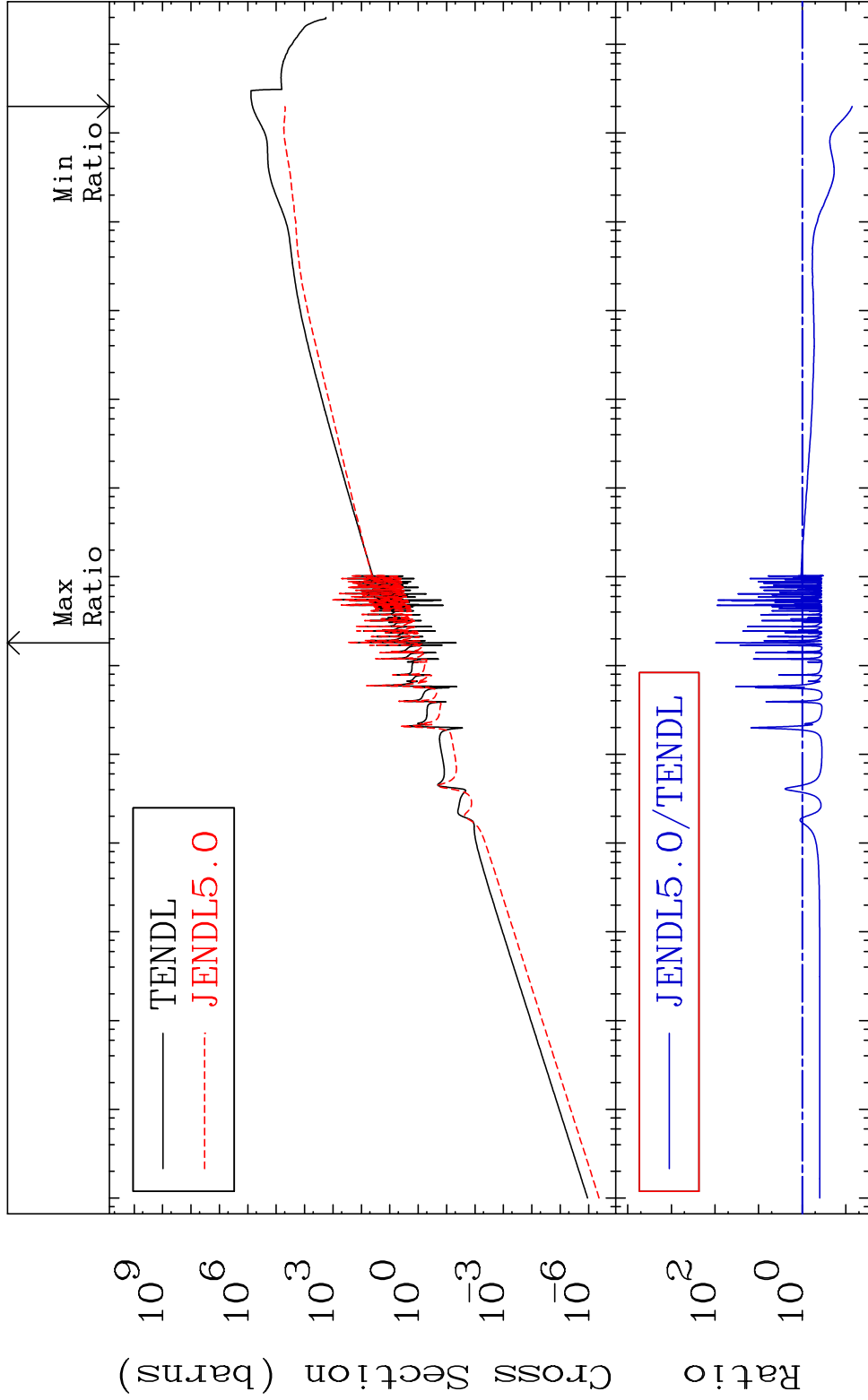


49 Incident Energy (eV) 73-Ta-180m

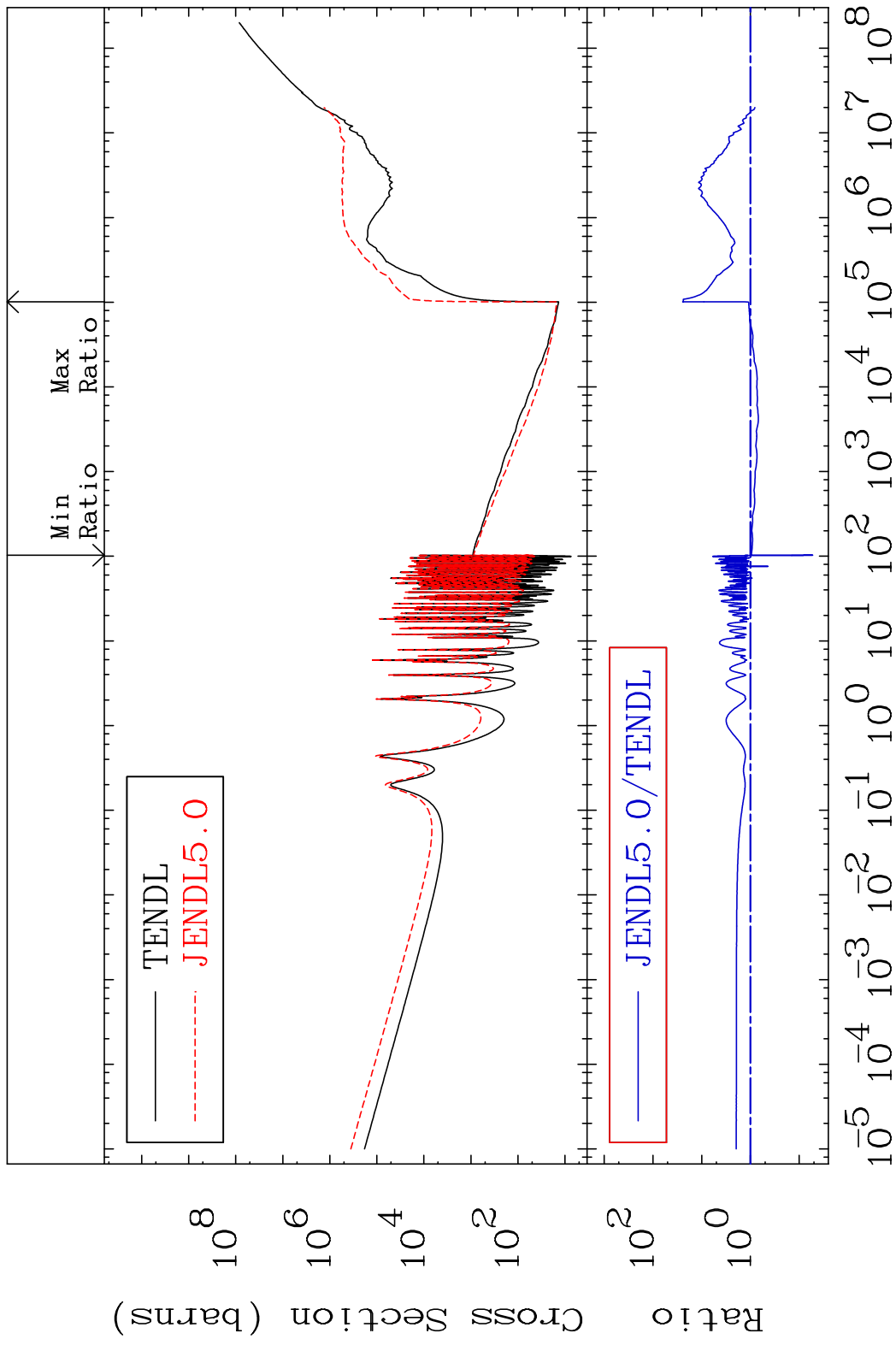
MAT 7326

Kerma elastic
Cross Section

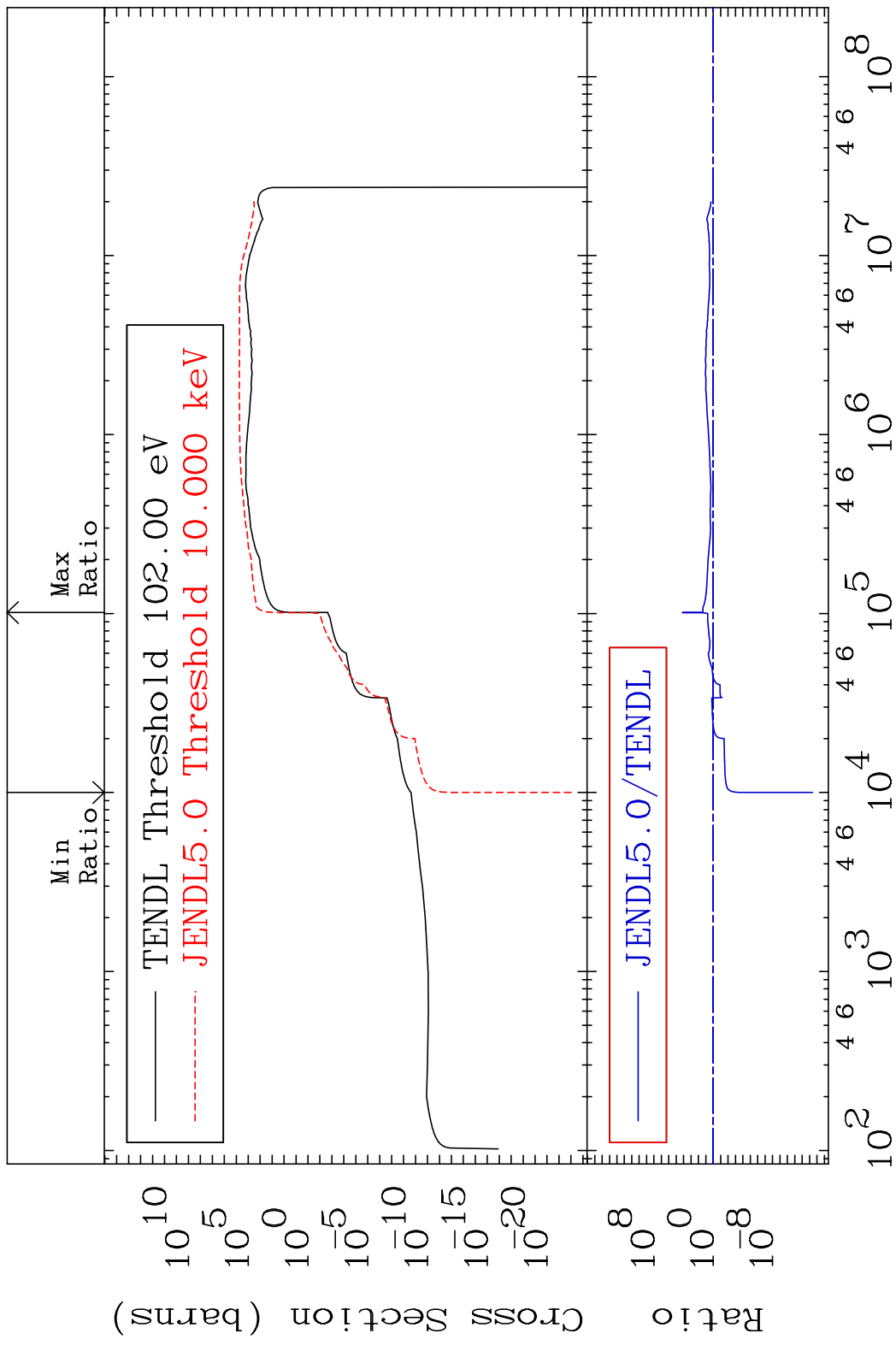
73-Ta-180m
-92.88 To 9531. %



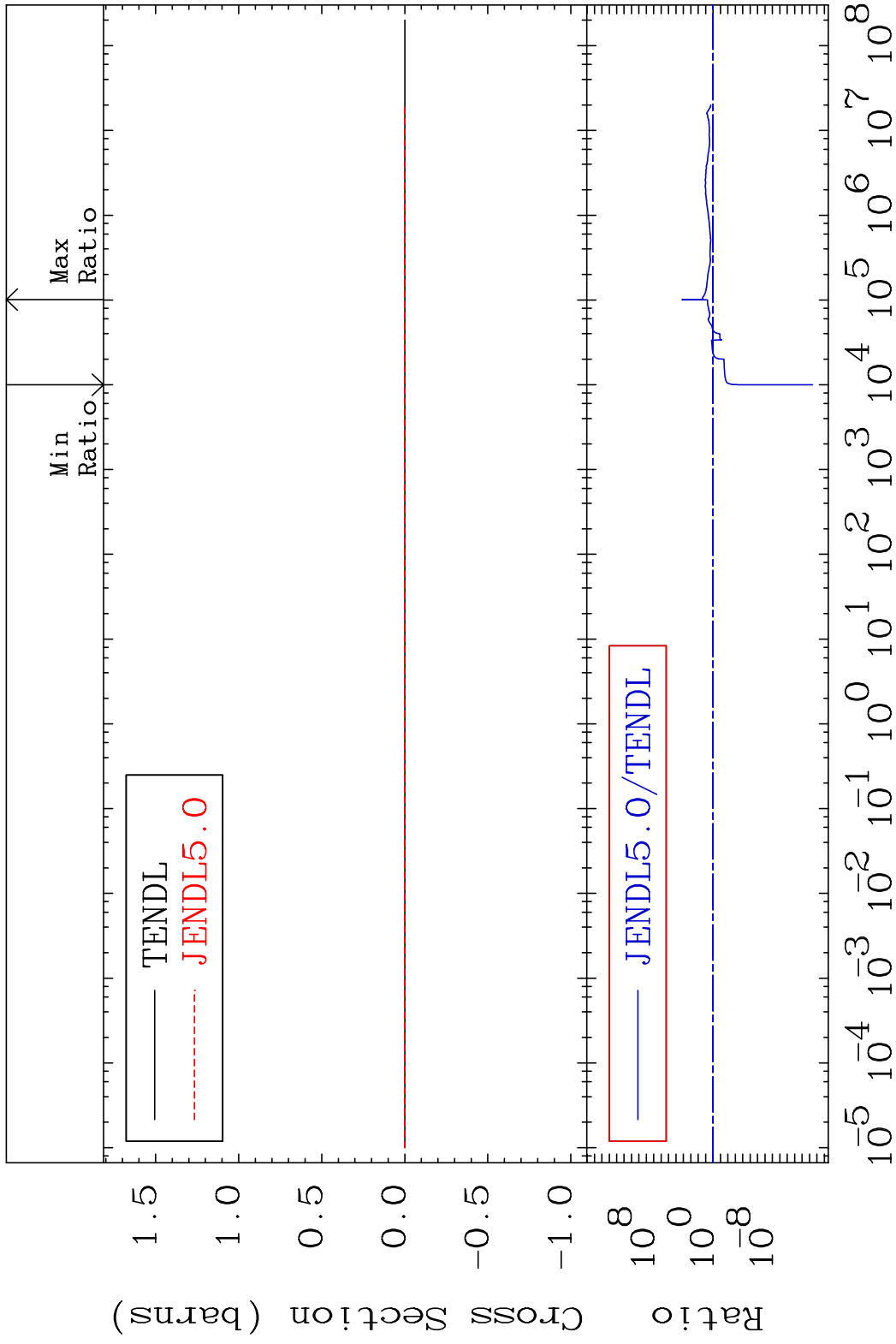
MAT 7326 Kerma non-elastic (all but mt2) 73-Ta-180m
 Cross Section -94.67 To 2389. %



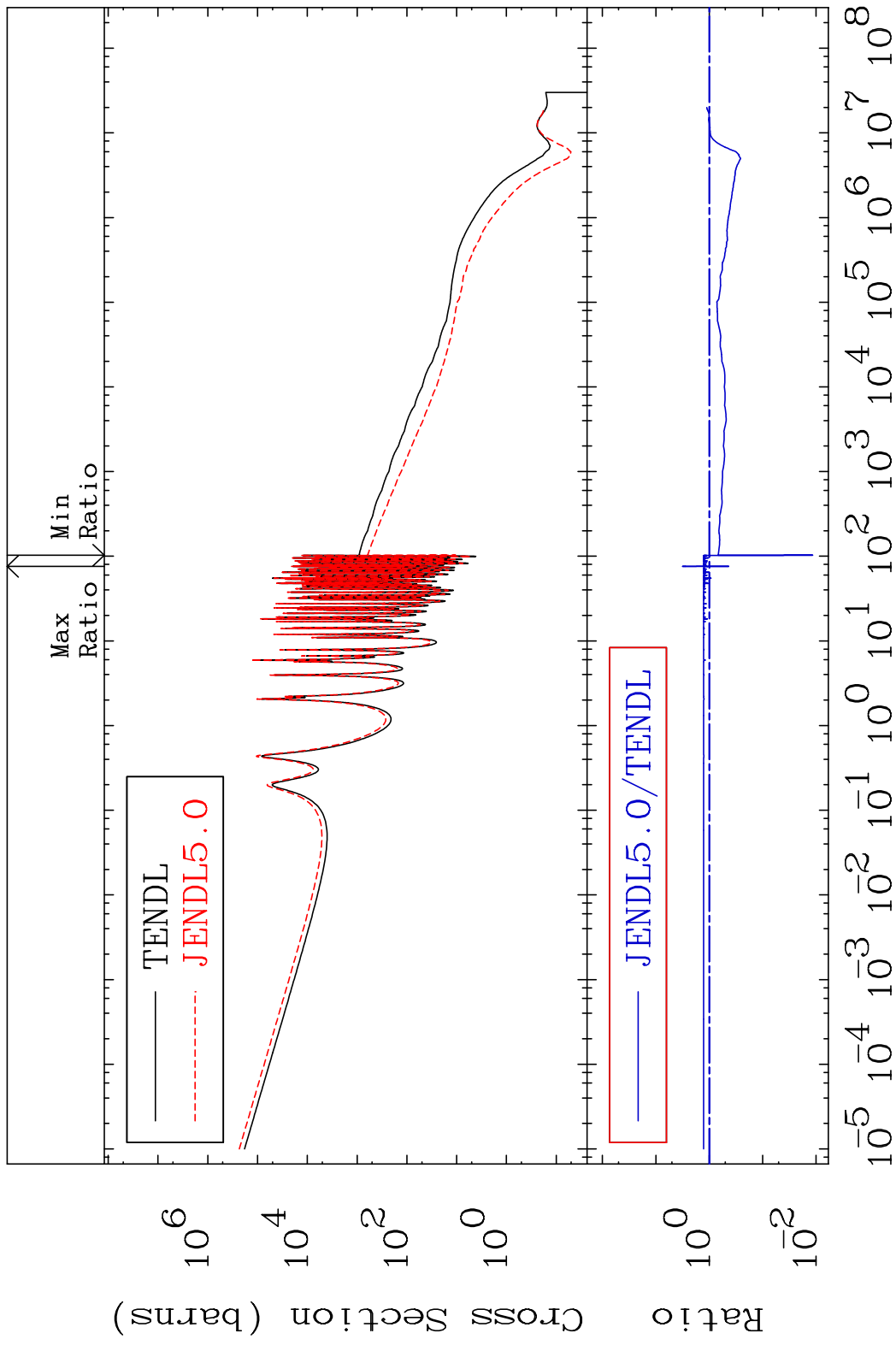
MAT 7326 Kerma inelastic (mt51-91) 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 Kerma fission (mt18 or mt19-20-21-38) β -Ta-180m
 Cross Section -100.0 To 9999. %

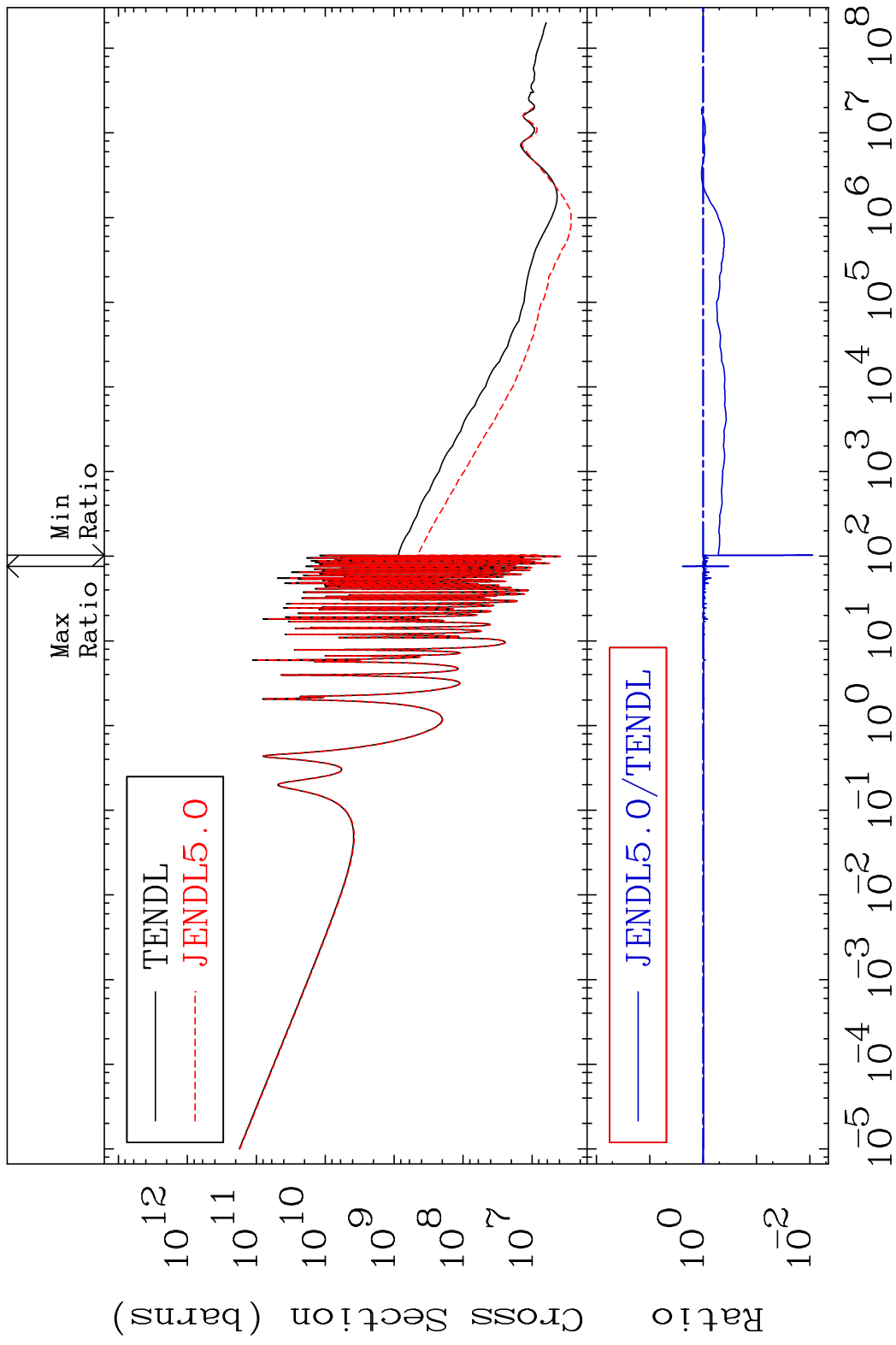


MAT 7326 Kerma capture (mt102) 73-Ta-180m
 Cross Section -98.84 To 218.5 %



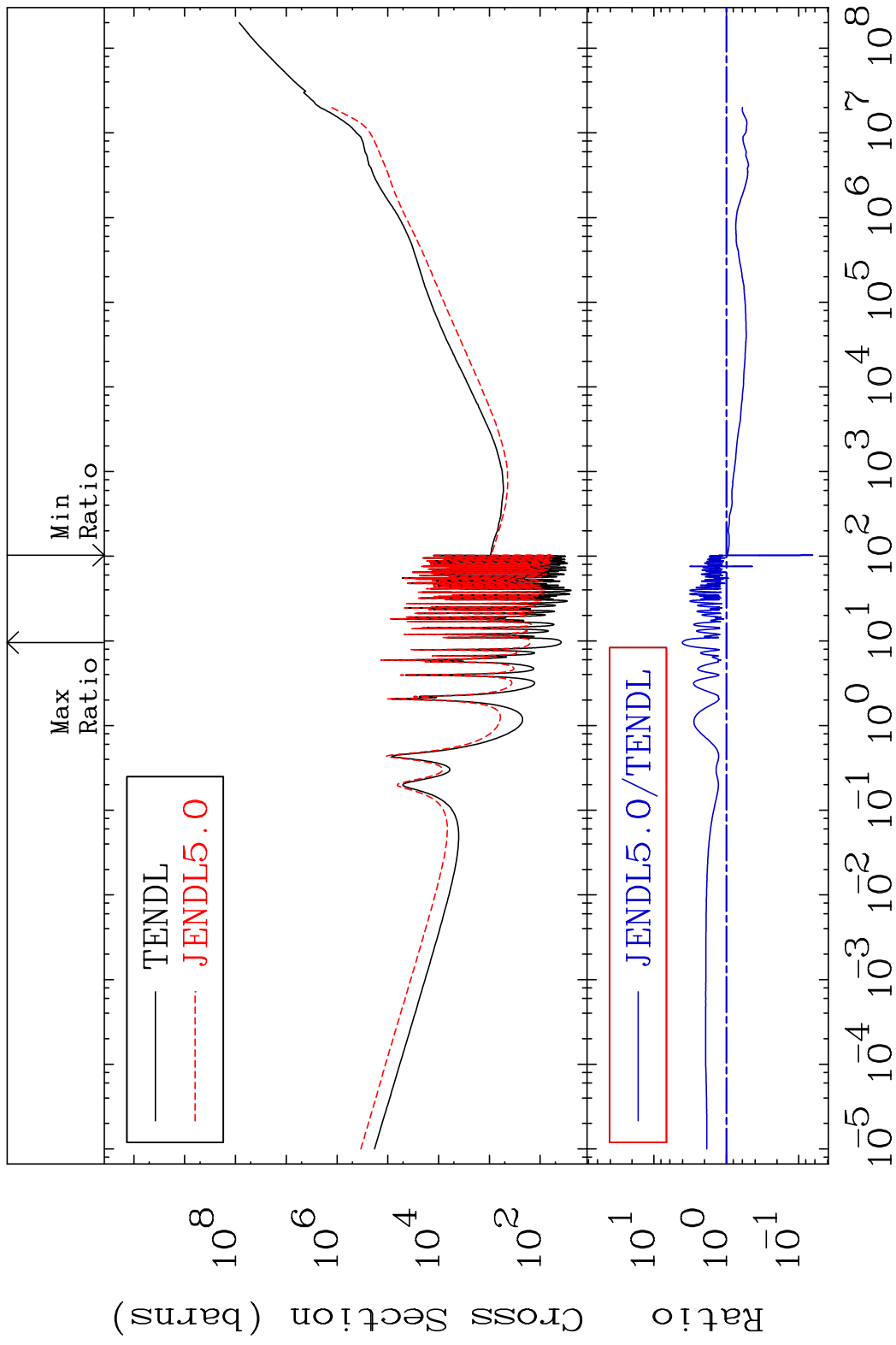
54 Incident Energy (eV) 73-Ta-180m

MAT 7326 Total photon (eV-barns) 73-Ta-180m
Cross Section -99.11 To 145.6 %

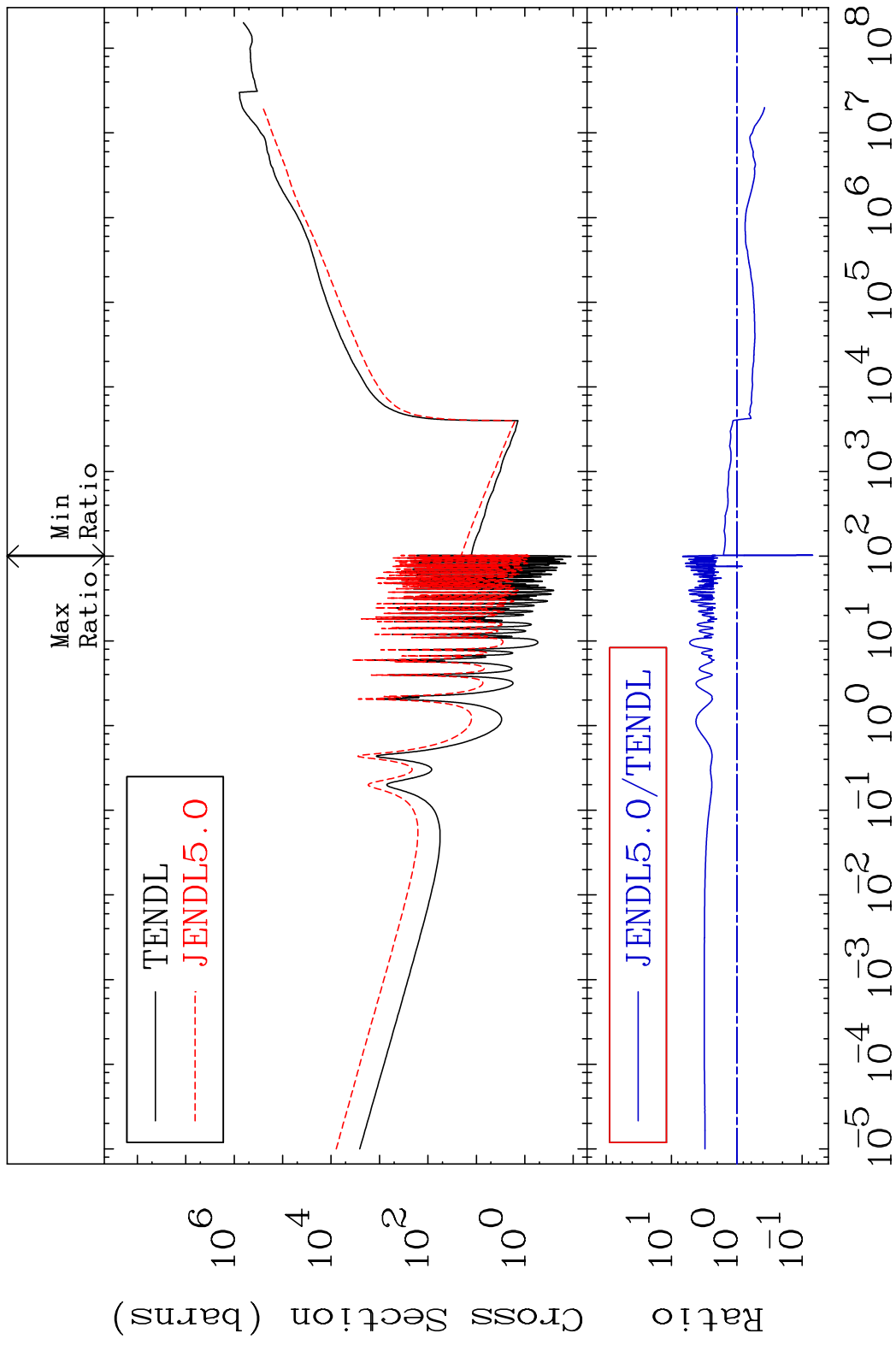


55 Incident Energy (eV) 73-Ta-180m

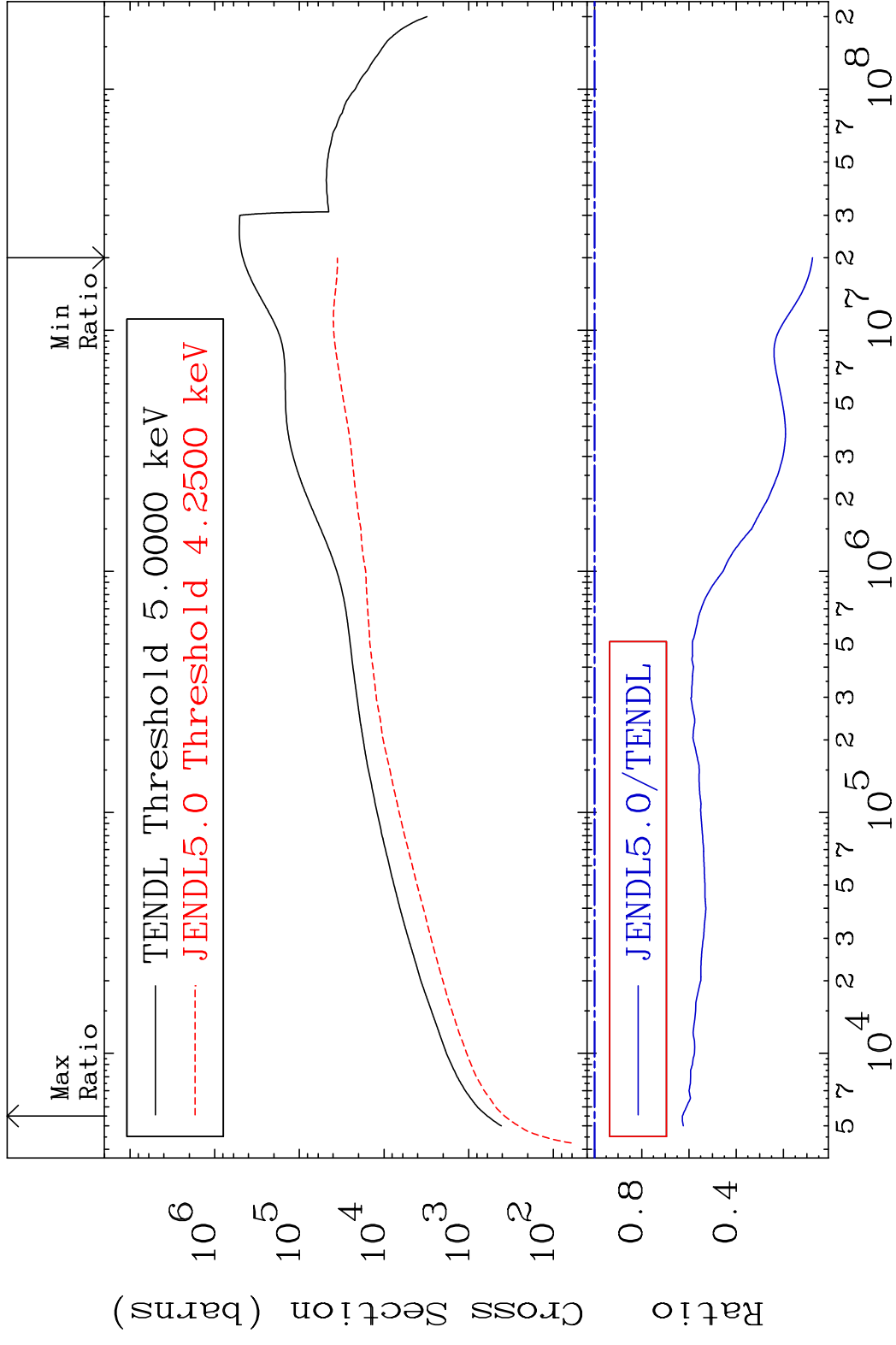
MAT 7326 Total kinematic kerma (high limit)73-Ta-180m
 Cross Section -93.55 To 304.2 %



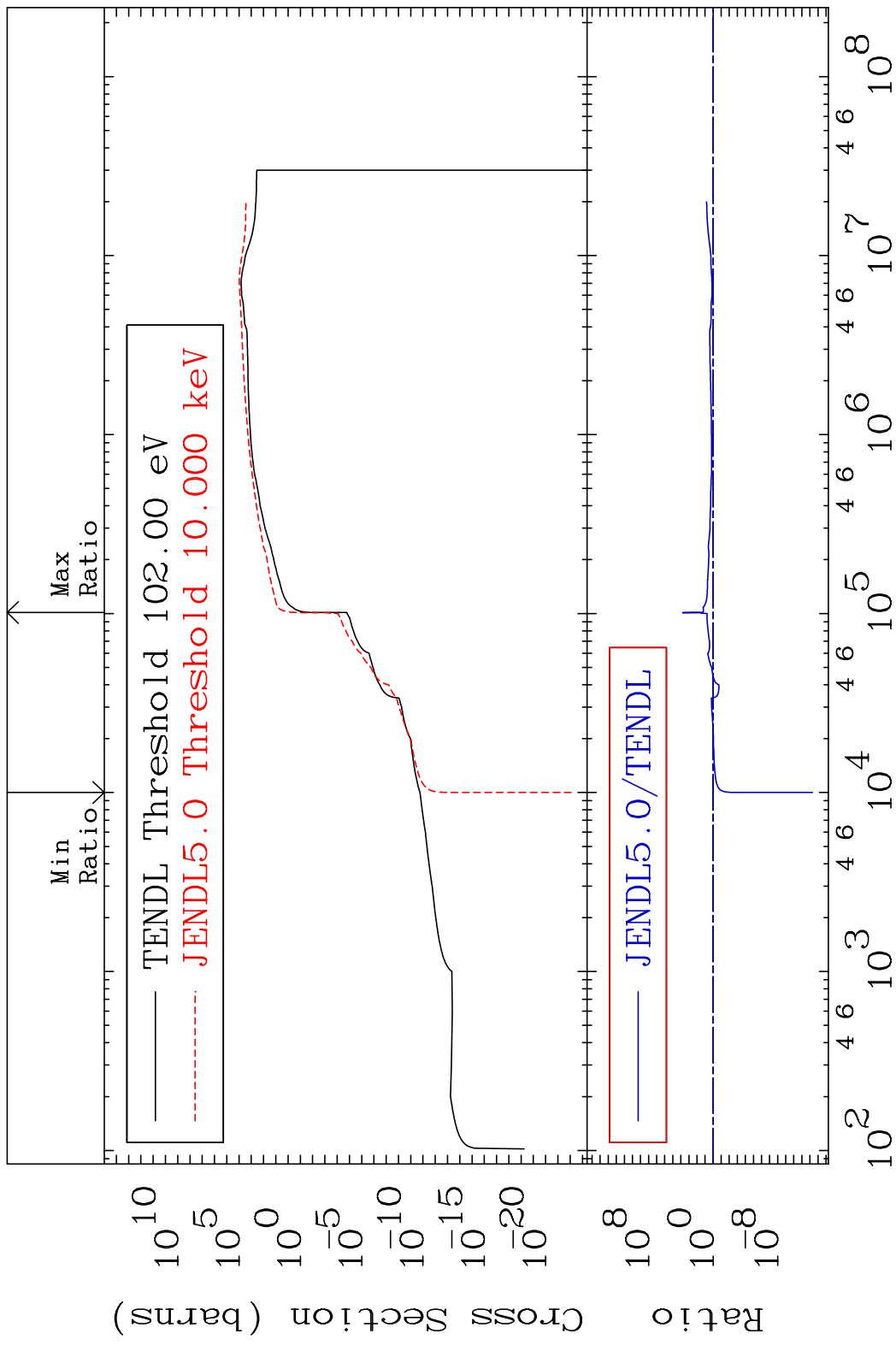
MAT 7326 Dpa total (eV-barns) 73-Ta-180m
 Cross Section -93.06 To 582.7 %



MAT 7326 Dpa elastic (mt2) 73-Ta-180m
 Cross Section -92.37 To -37.21%

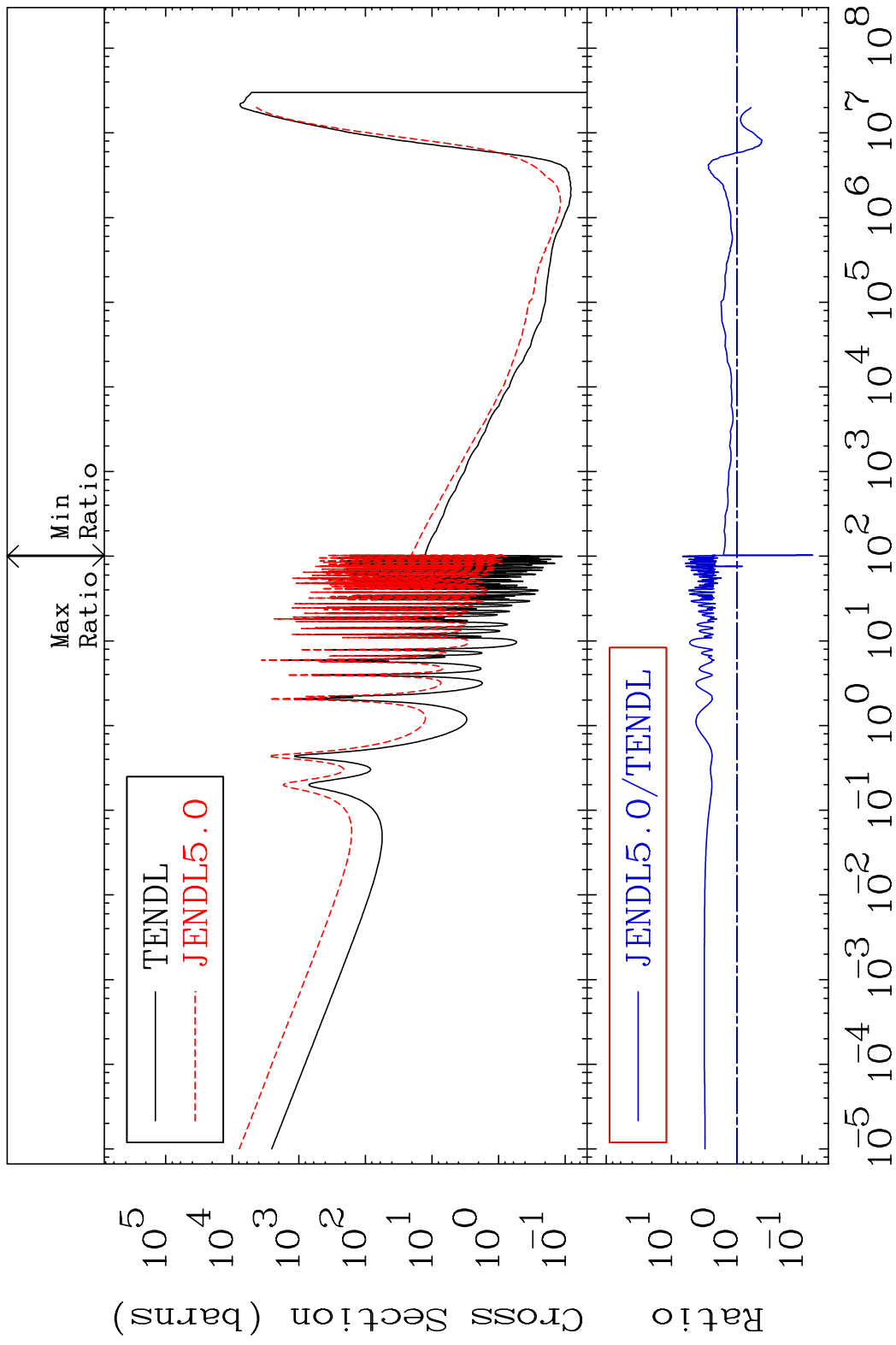


MAT 7326 Dpa inelastic (mt51-91) 73-Ta-180m
 Cross Section -100.0 To 9999. %



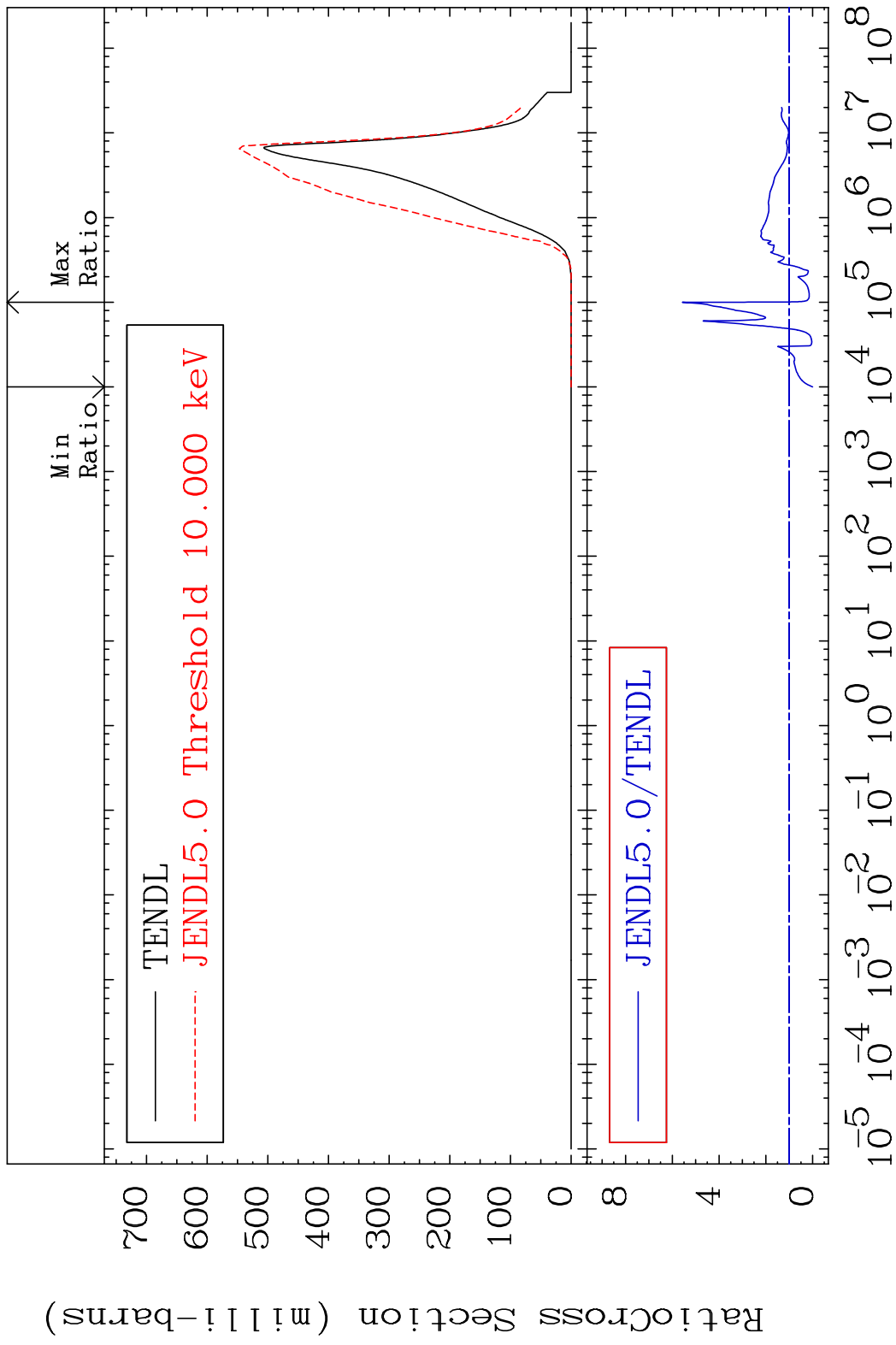
59 Incident Energy (eV) 73-Ta-180m

MAT 7326 Dpa disappearance (mt102 -120) 73-Ta-180m
 Cross Section -93.06 To 582.7 %



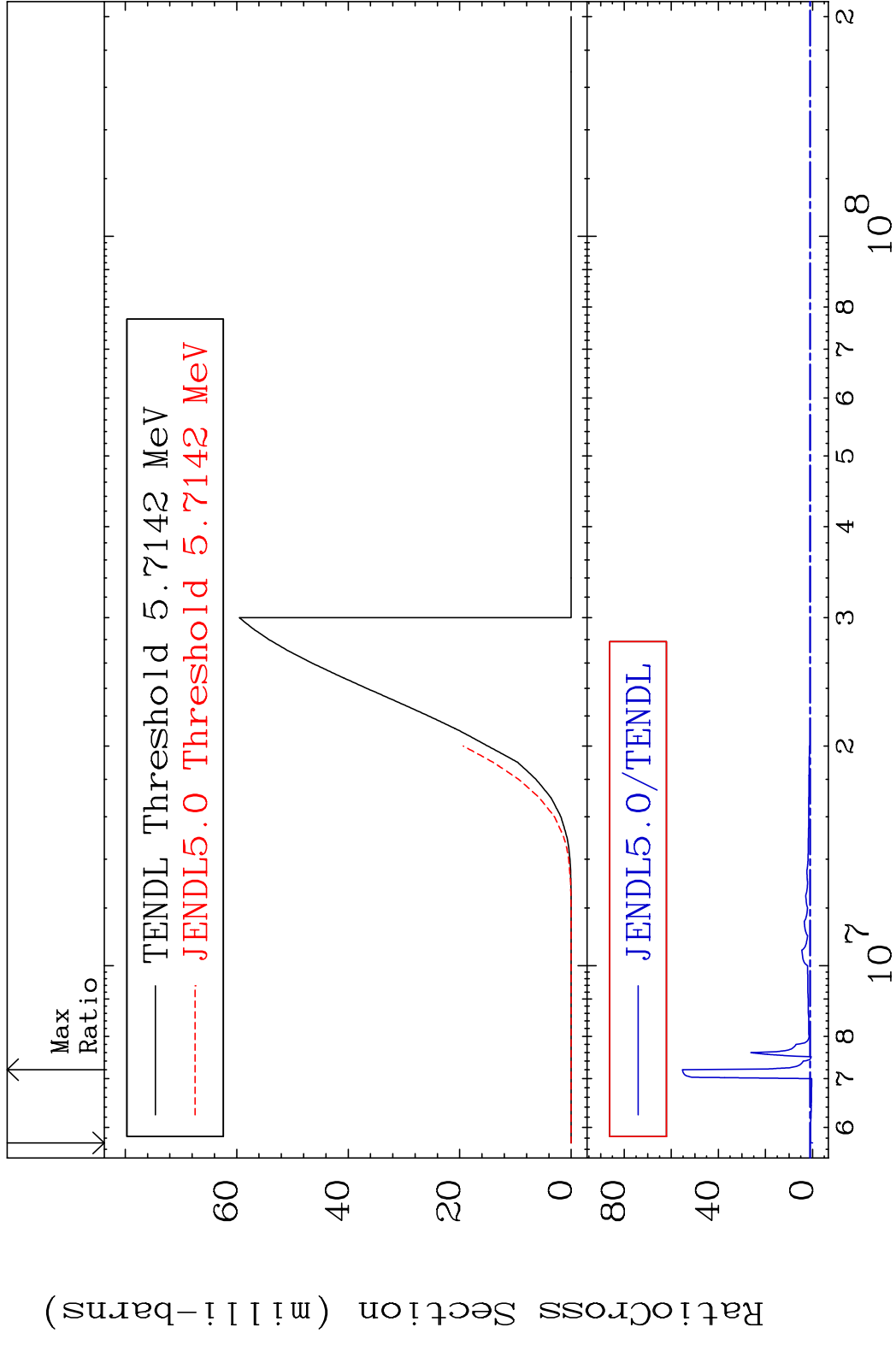
60 Incident Energy (eV) 73-Ta-180m

MAT 7326 Inelastic:73-Ta-180g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 456.9 %

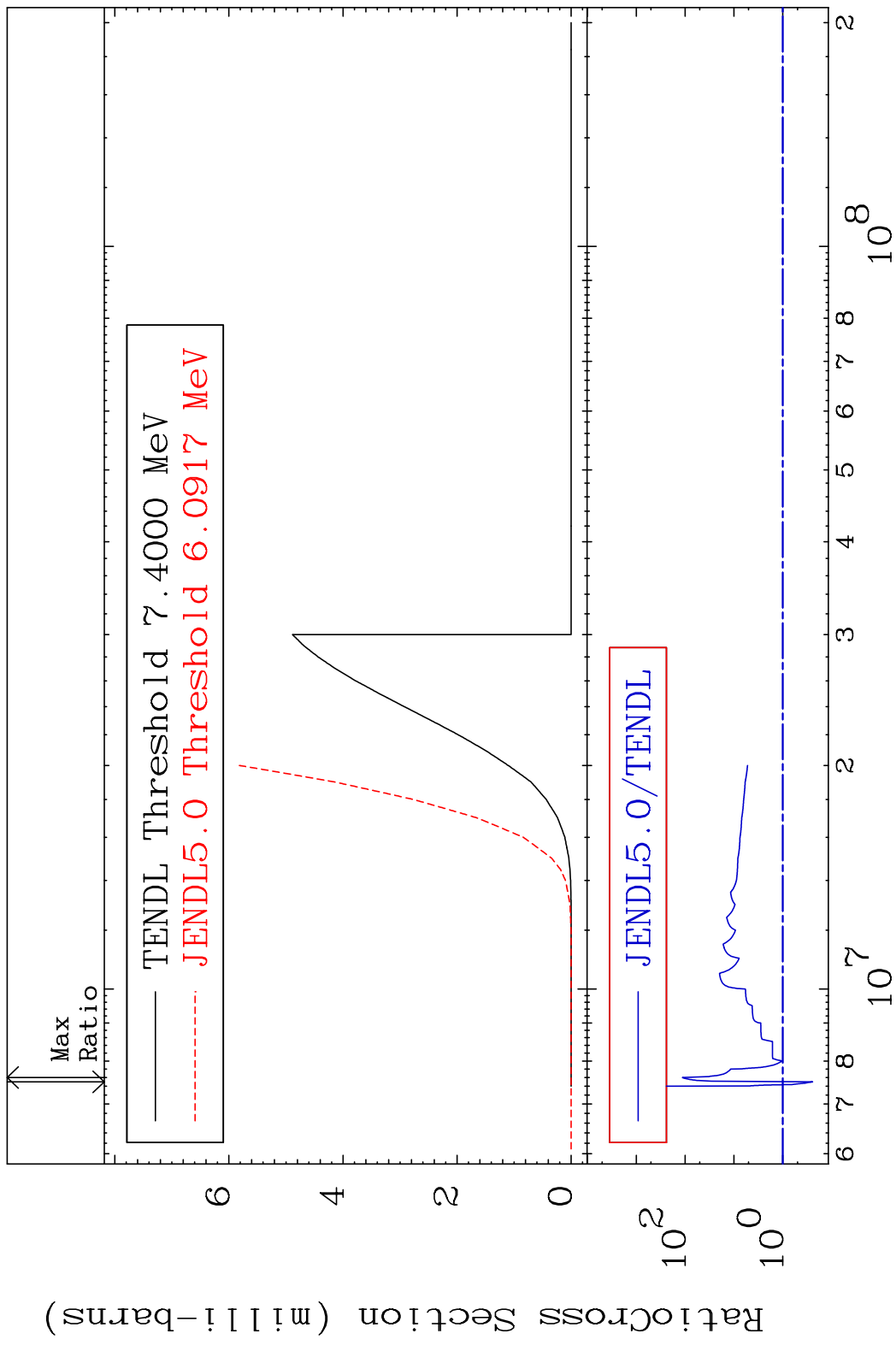


61 Incident Energy (eV) 73-Ta-180m

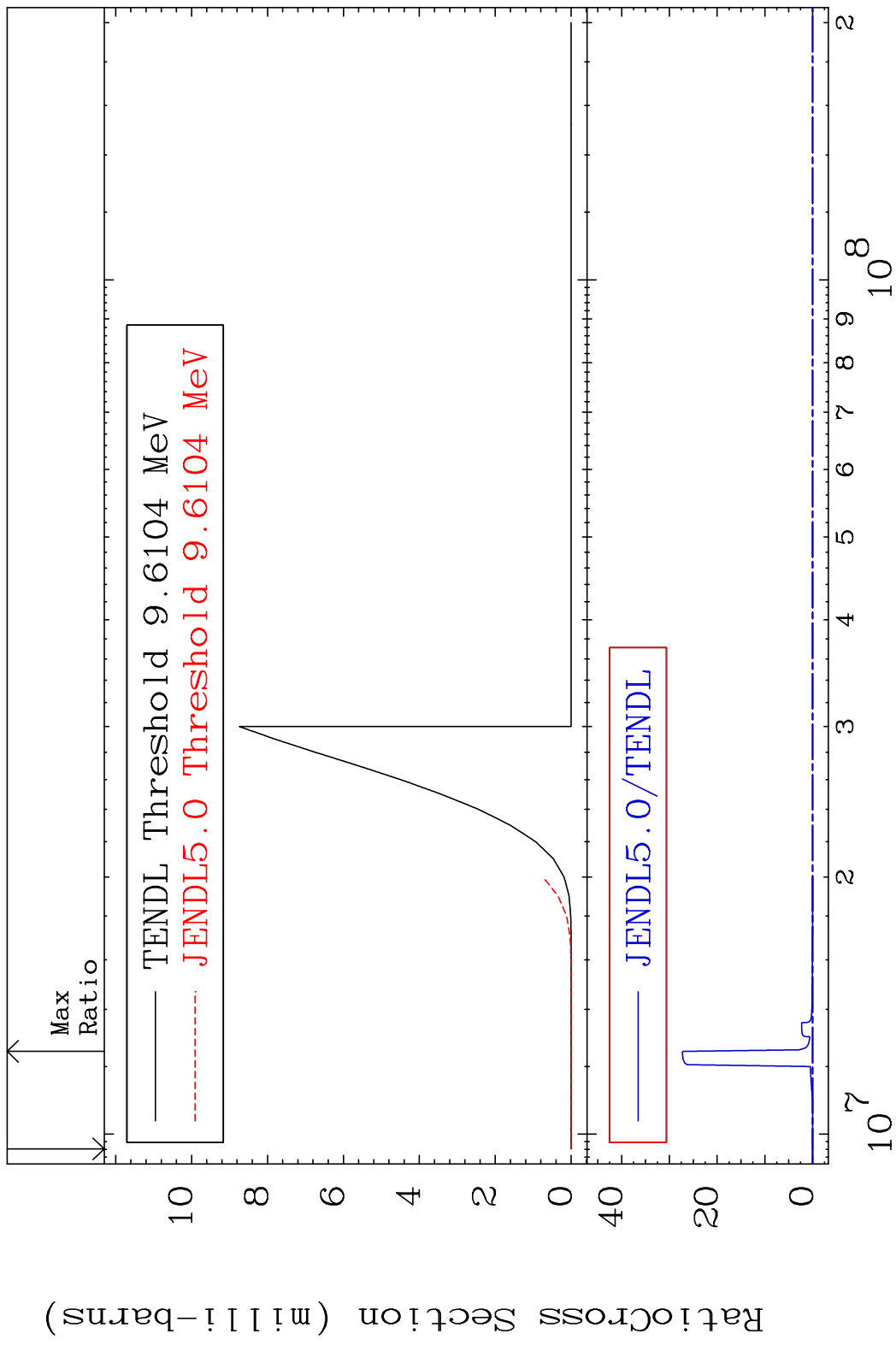
MAT 7326 (n, n') p:72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section to 5430. %



MAT 7326 (n, n') p:72-Hf-179m5 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %

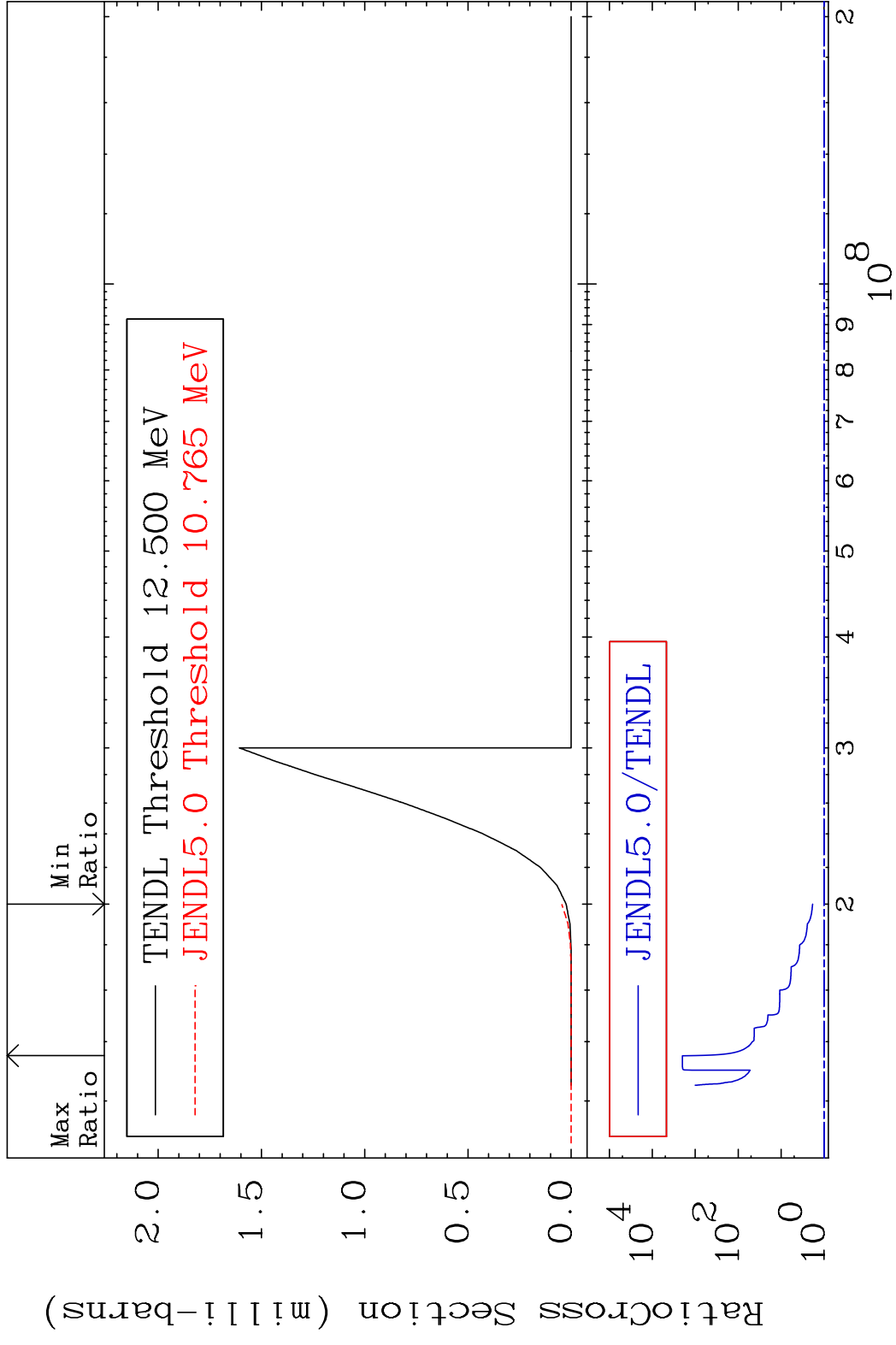


MAT 7326 (n, n') d:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 9999. %

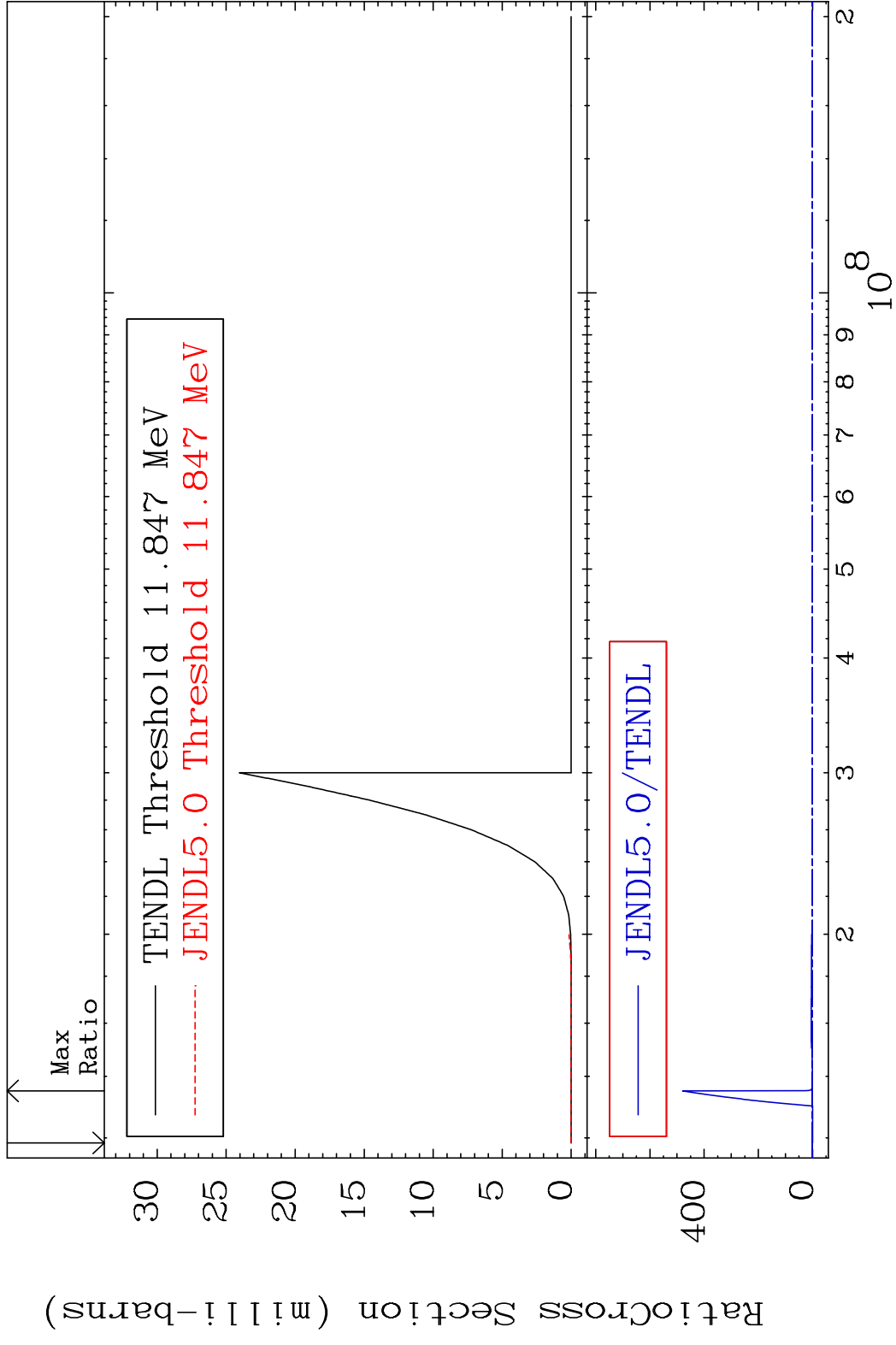


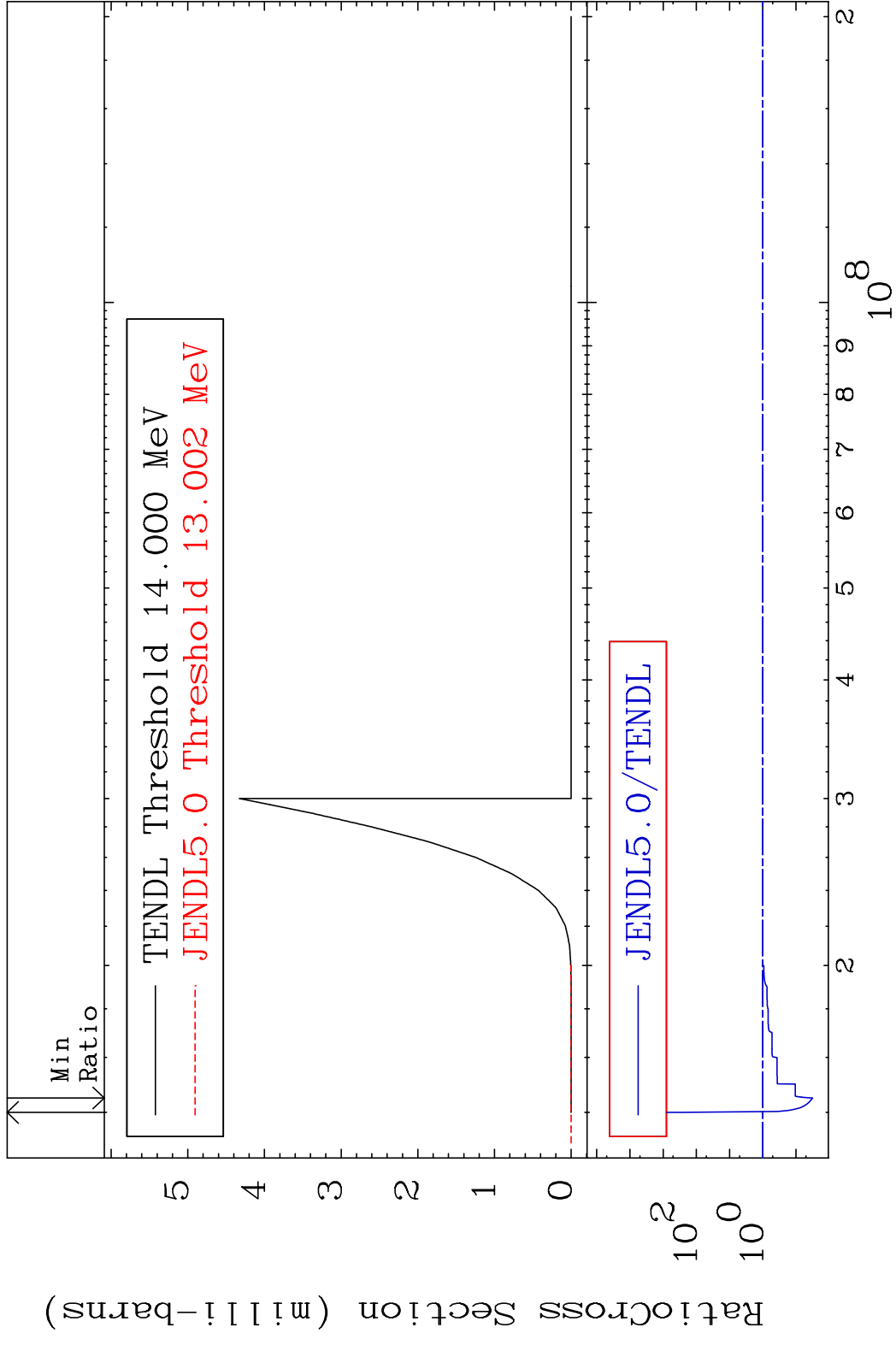
64 Incident Energy (eV) 73-Ta-180m

MAT 7326 (n, n') d:72-Hf-178m5 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %

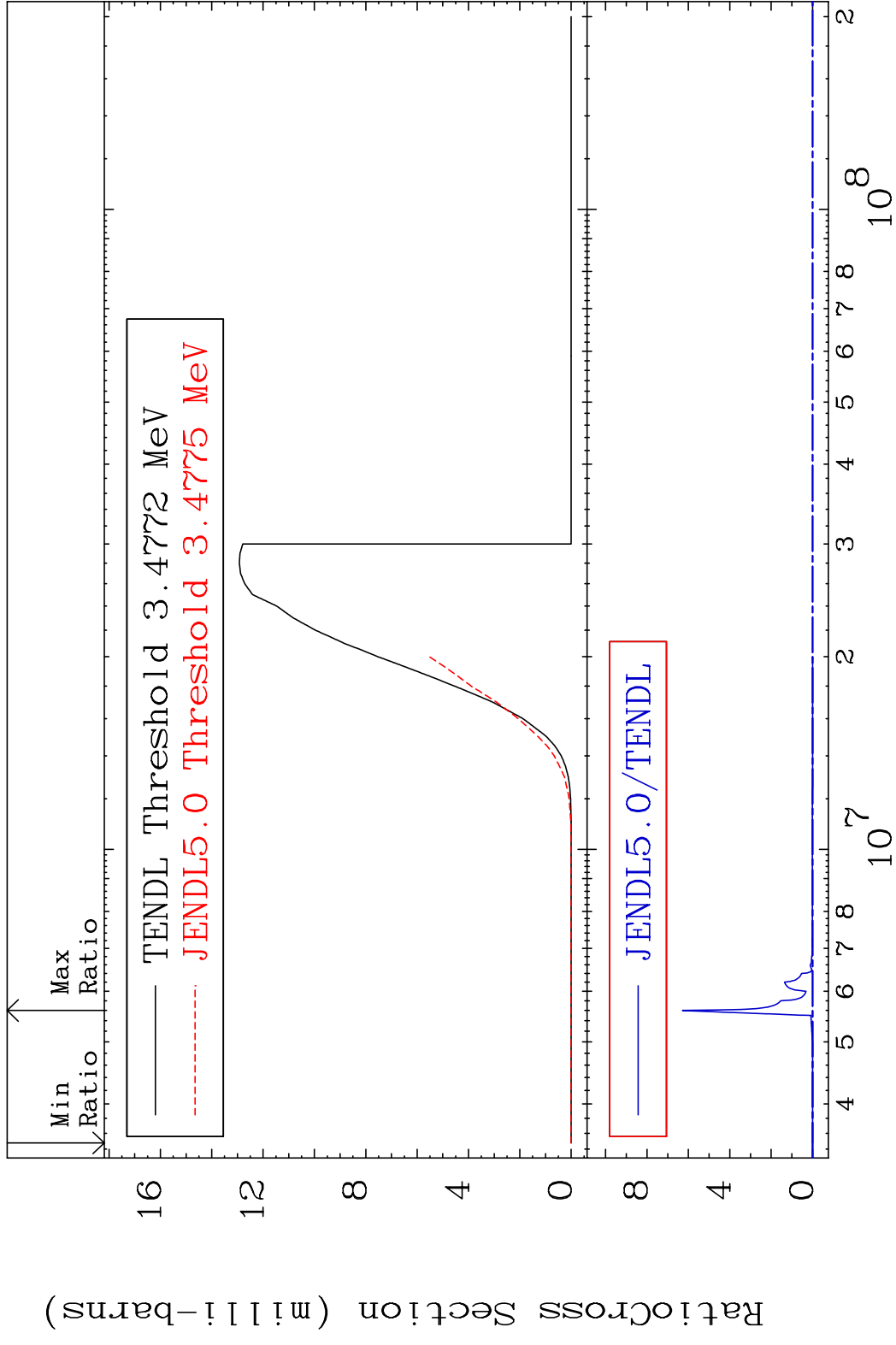


MAT 7326 (n,2n) p:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 9999. %

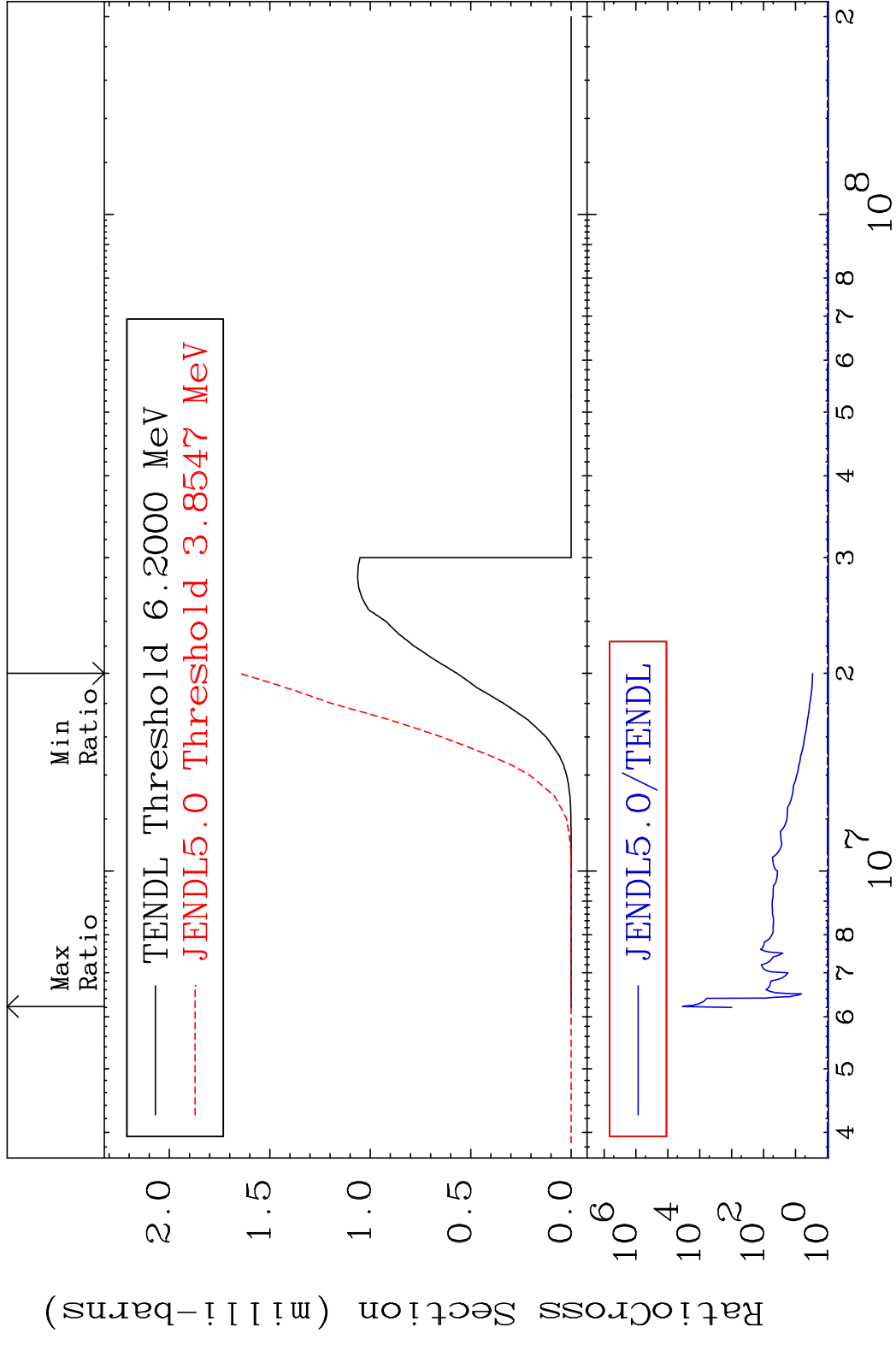




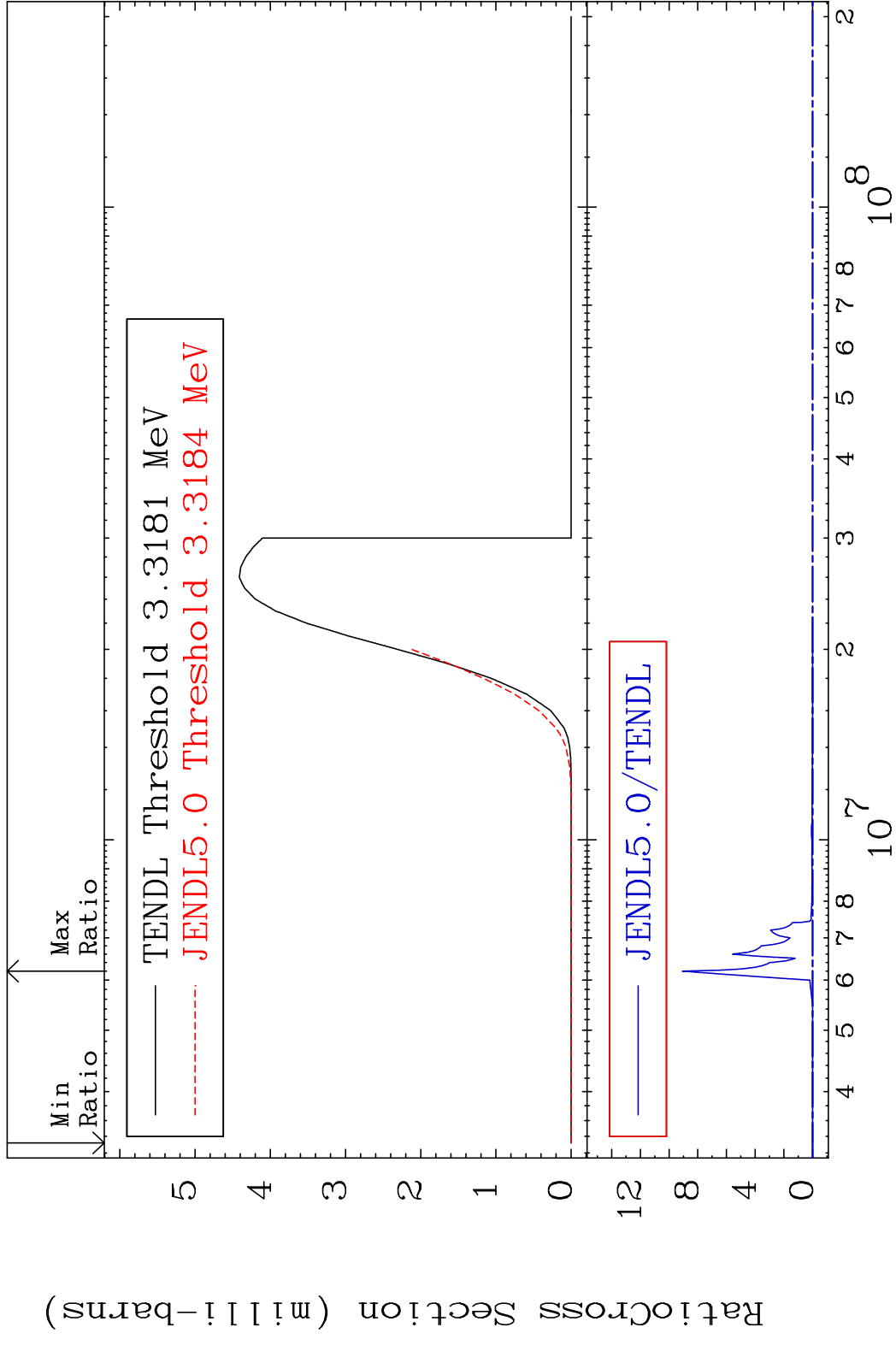
MAT 7326 (n,d):72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section 180000 to 9999. %



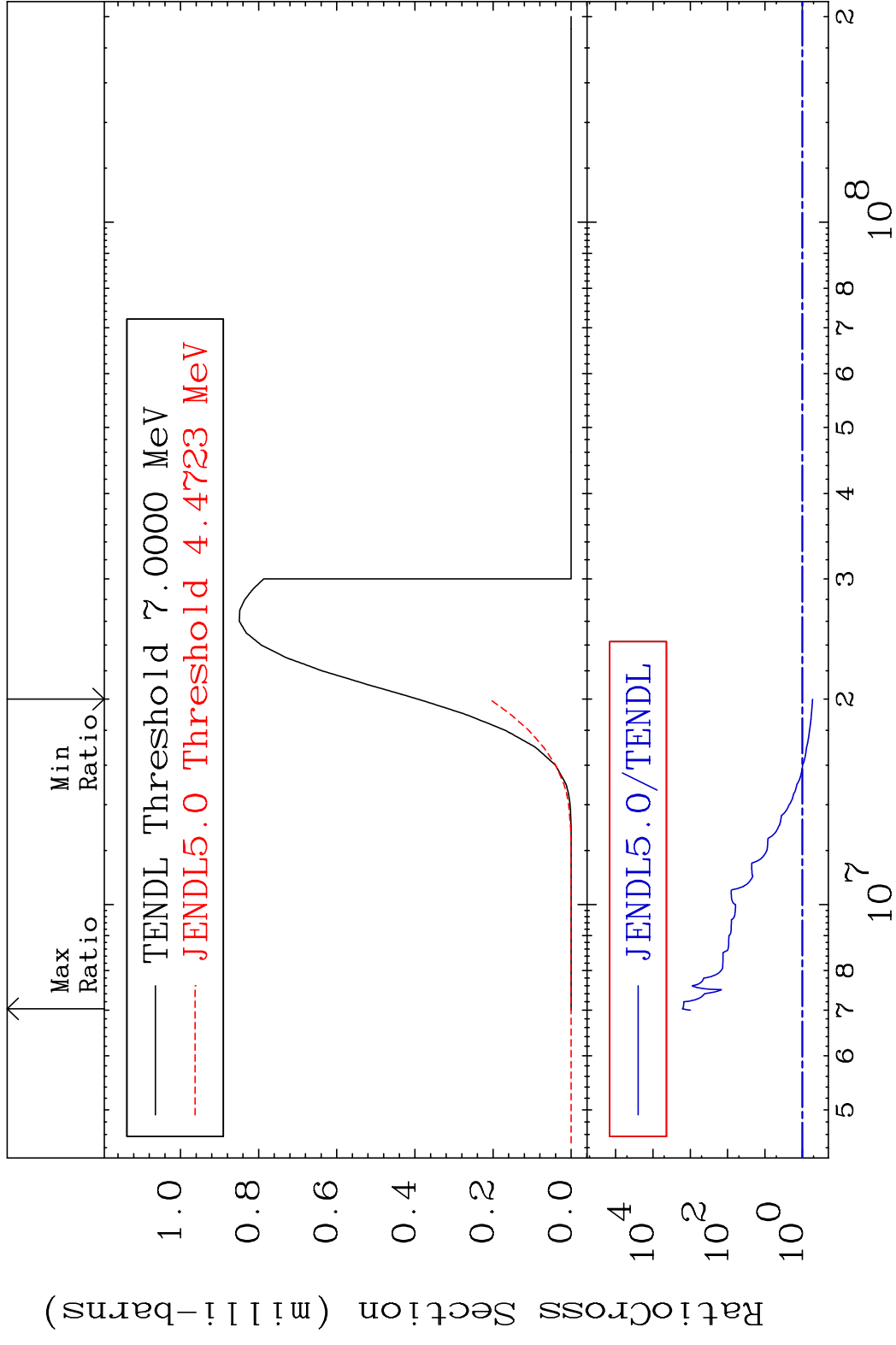
MAT 7326 (n, d): 72-Hf-179m5 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %



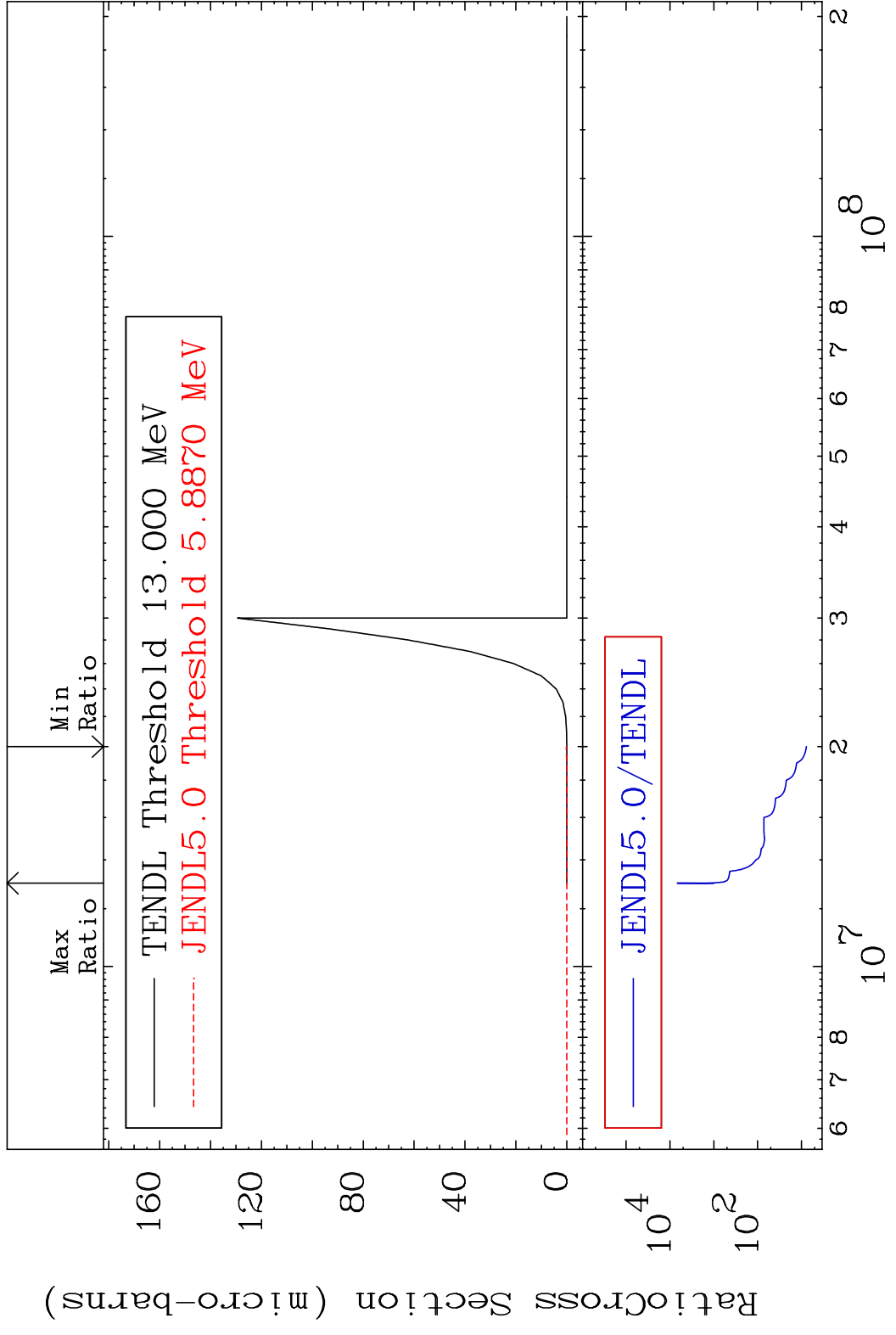
MAT 7326 (n, t): 72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %



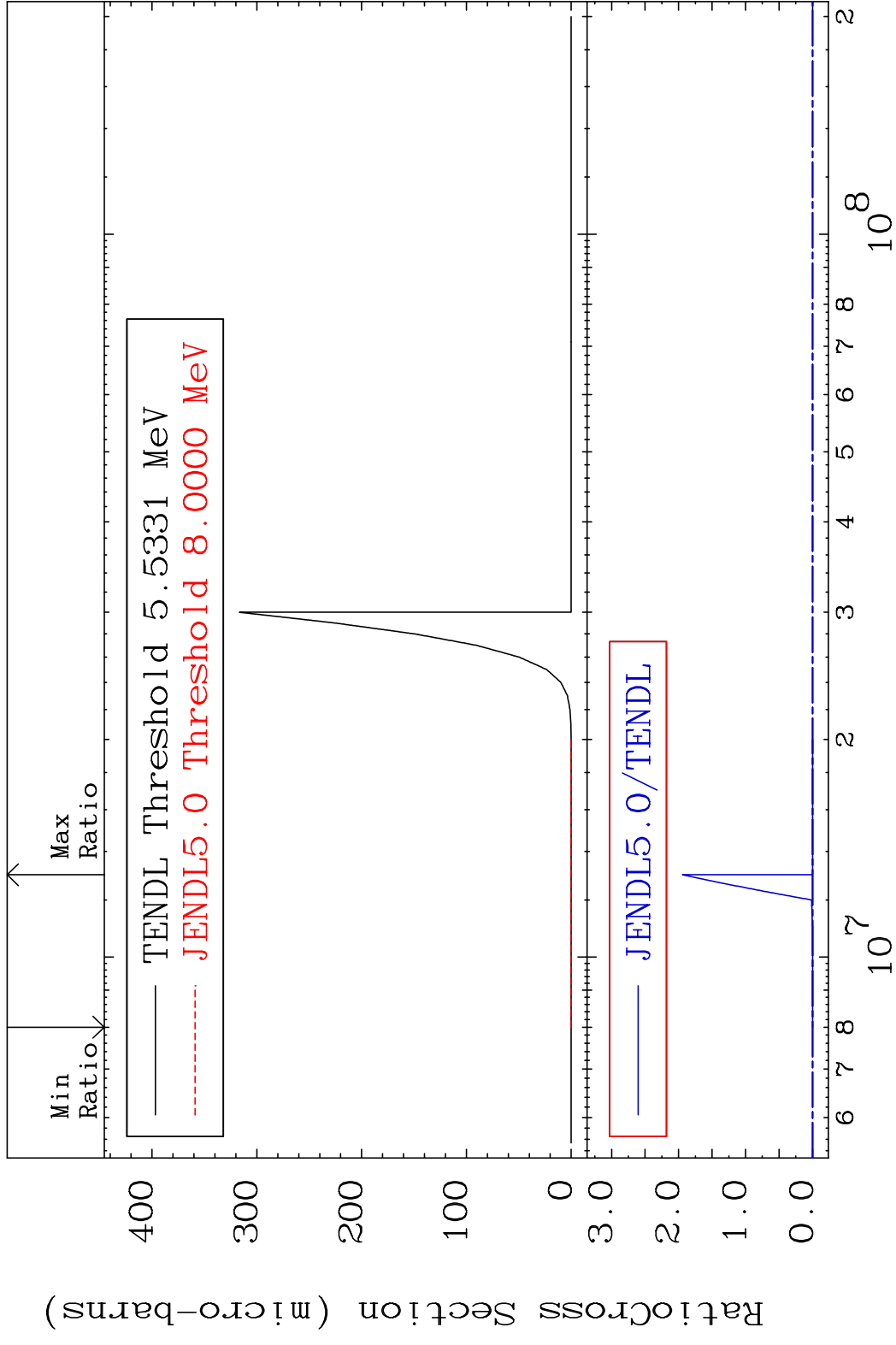
MAT 7326 (n, t): 72-Hf-178m5 73-Ta-180m
 Radionuclide Production Cross Section 4867410 9999. %



MAT 7326 (n, He-3):71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %

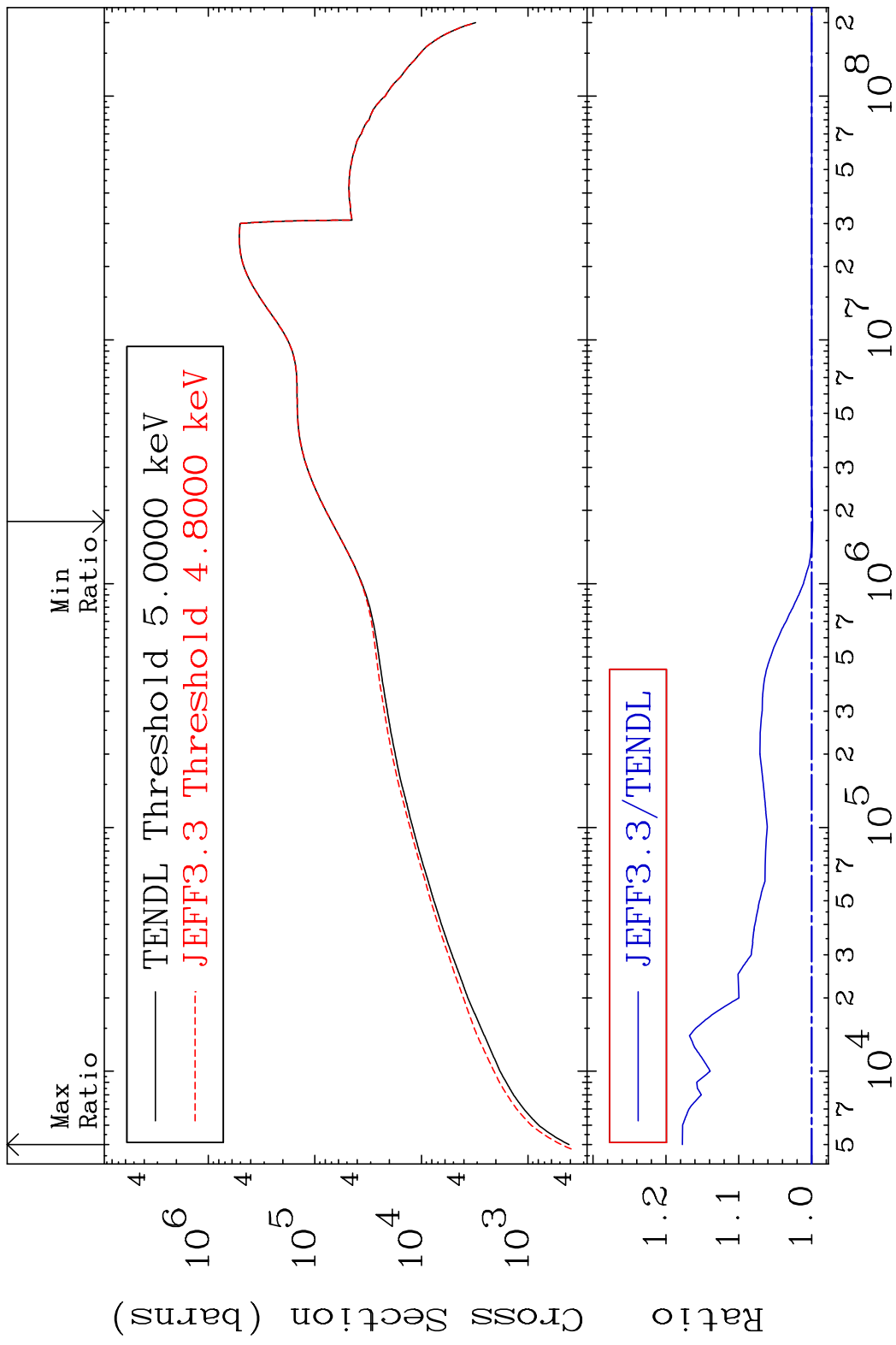


MAT 7326 (n, He-3) : 71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %

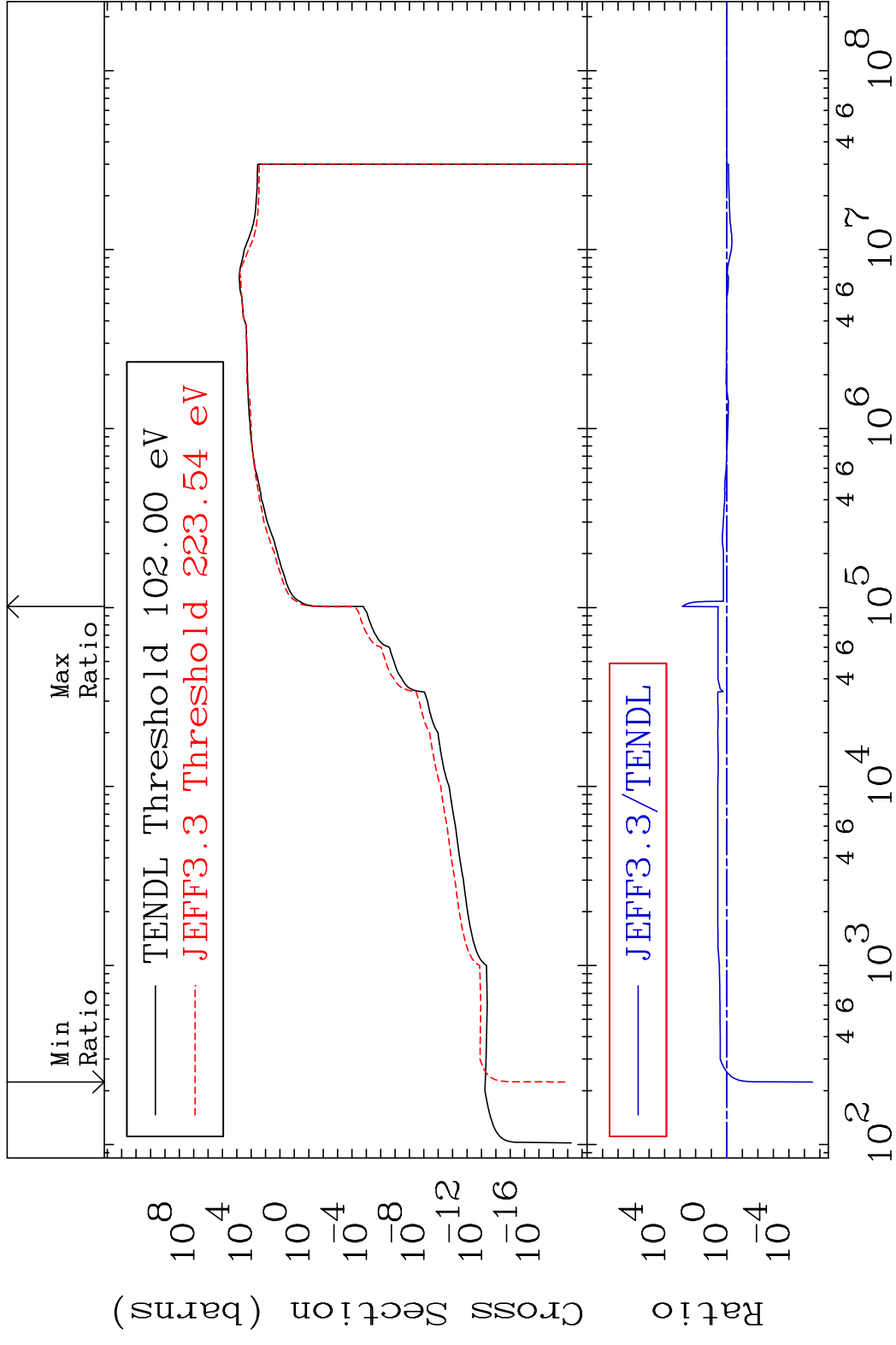


73 Incident Energy (eV) 73-Ta-180m

MAT 7326 Dpa elastic (mt2) 73-Ta-180m
 Cross Section -0.113 To 17.74 %

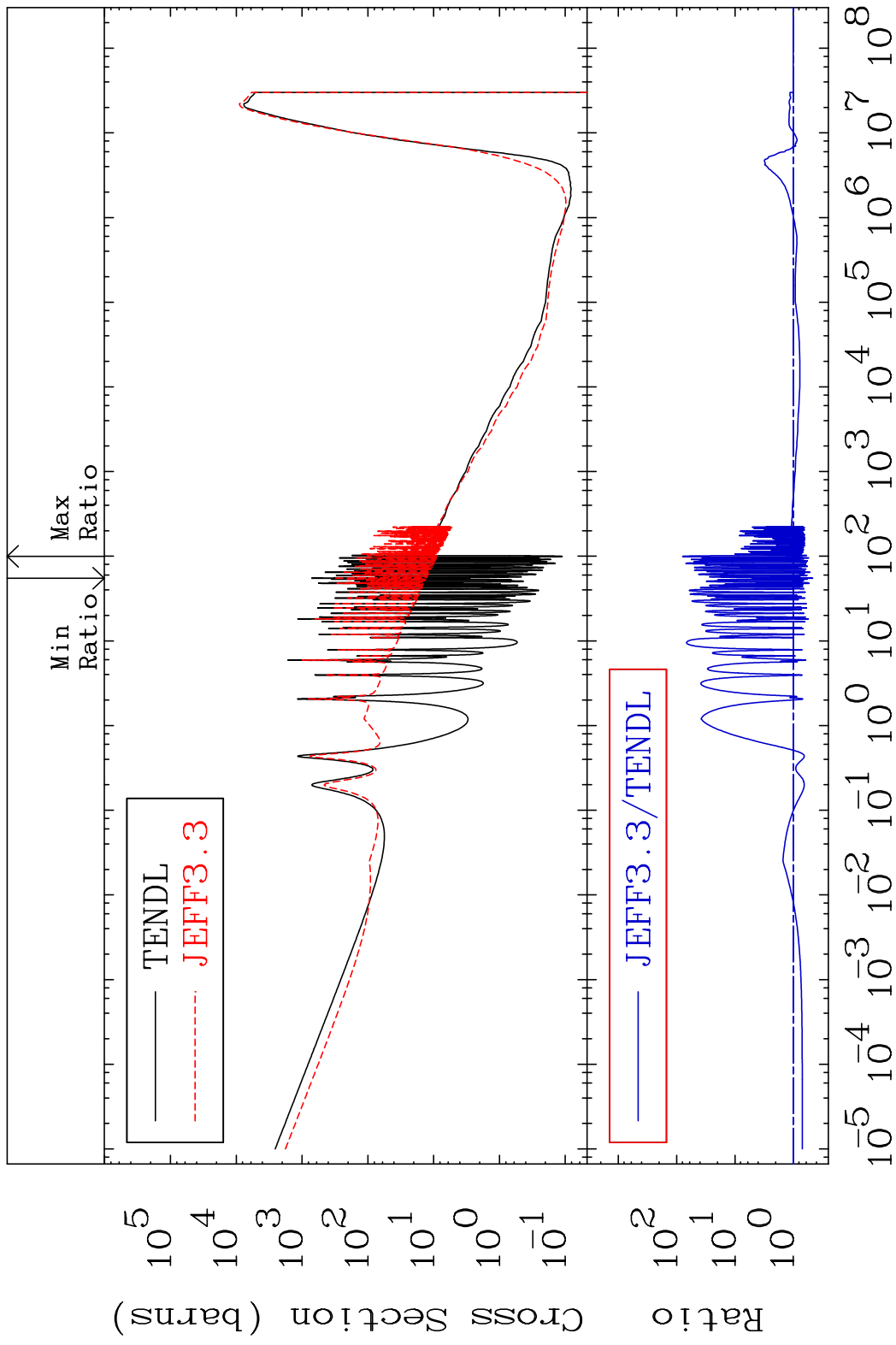


MAT 7326 Dpa inelastic (mt51-91) 73-Ta-180m
 Cross Section -100.0 To 9999. %



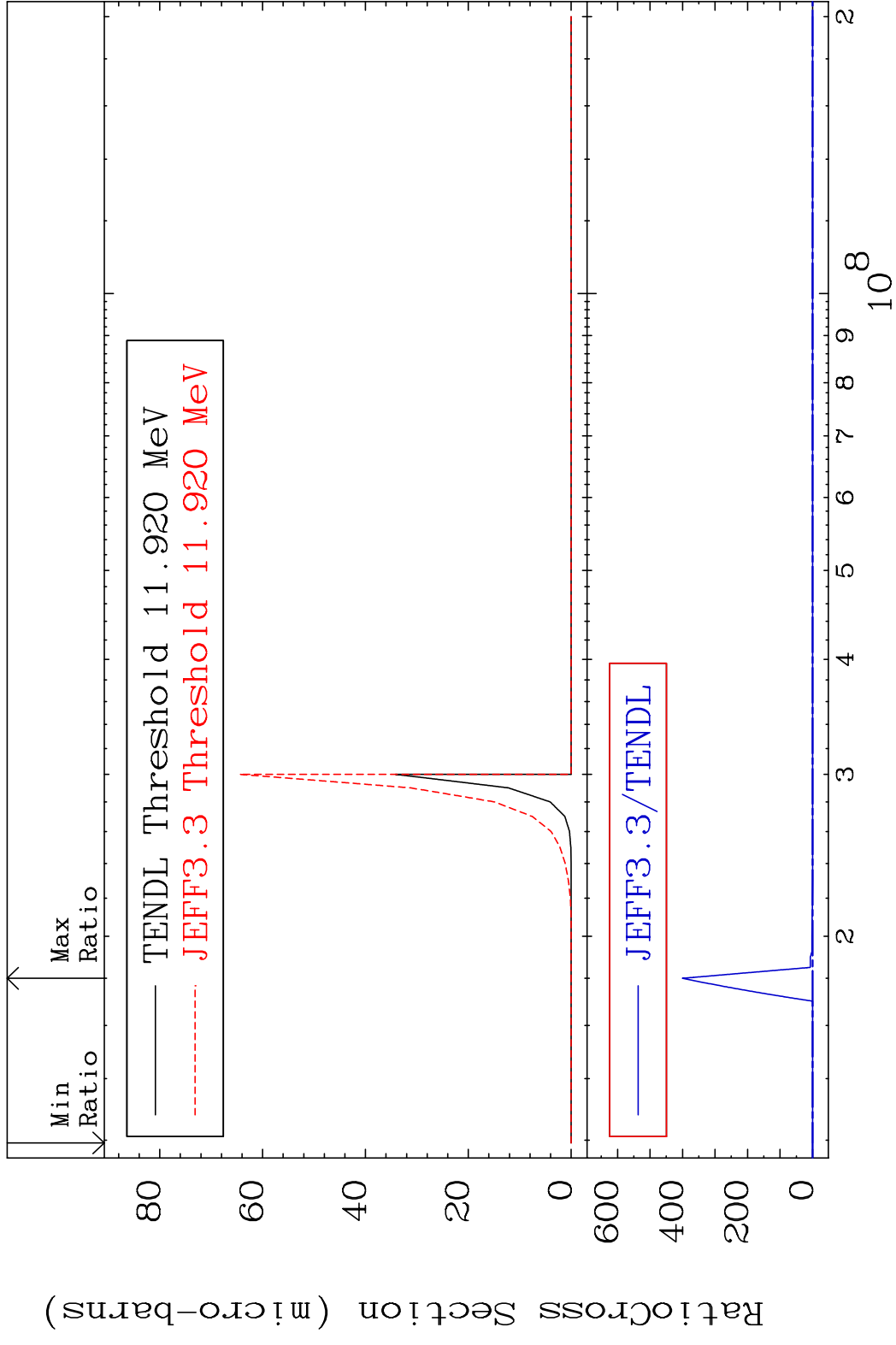
75 Incident Energy (eV) 73-Ta-180m

MAT 7326 Dpa disappearance (mt102 -120) 73-Ta-180m
 Cross Section -53.25 To 7886. %

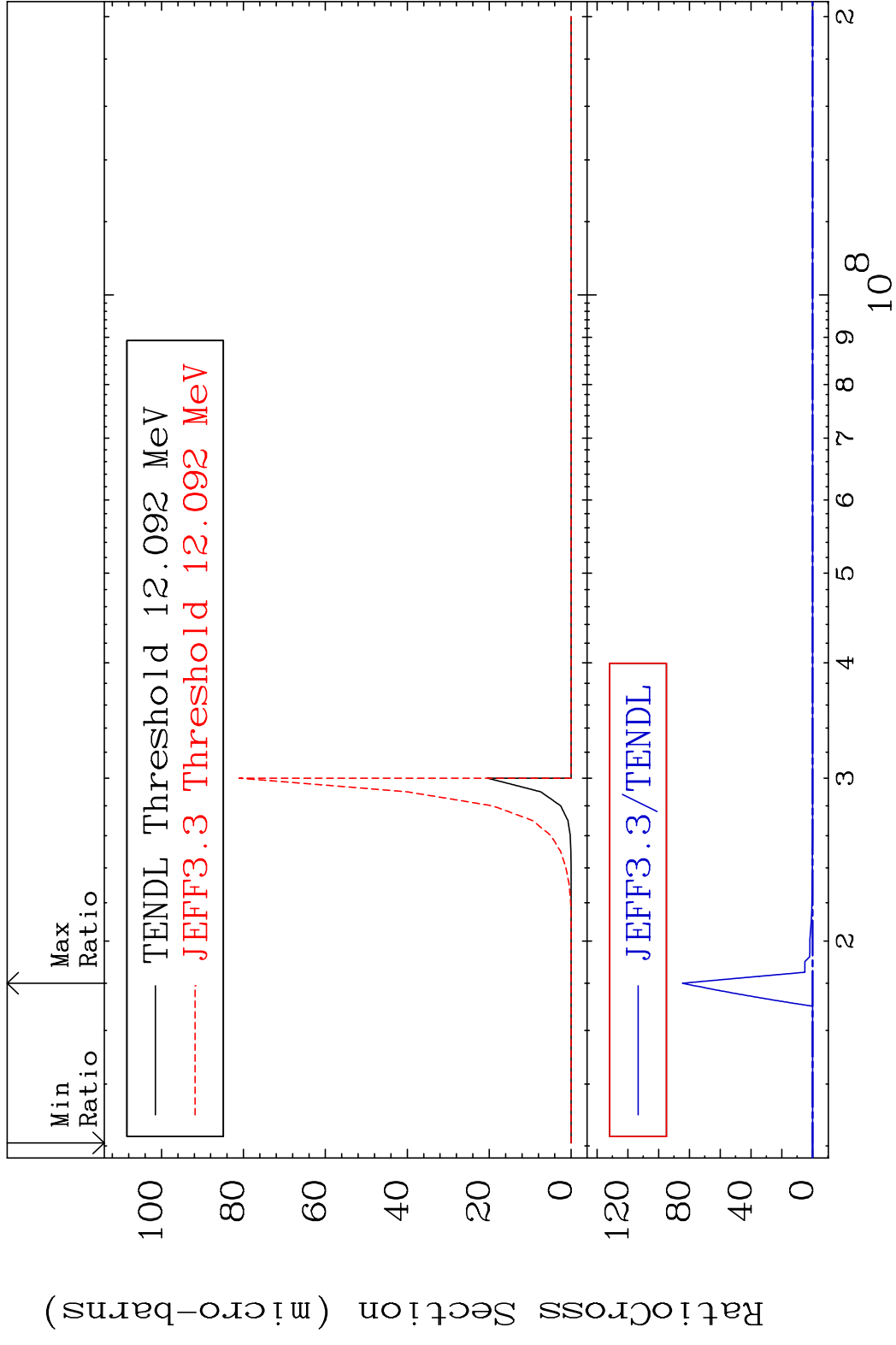


76 Incident Energy (eV) 73-Ta-180m

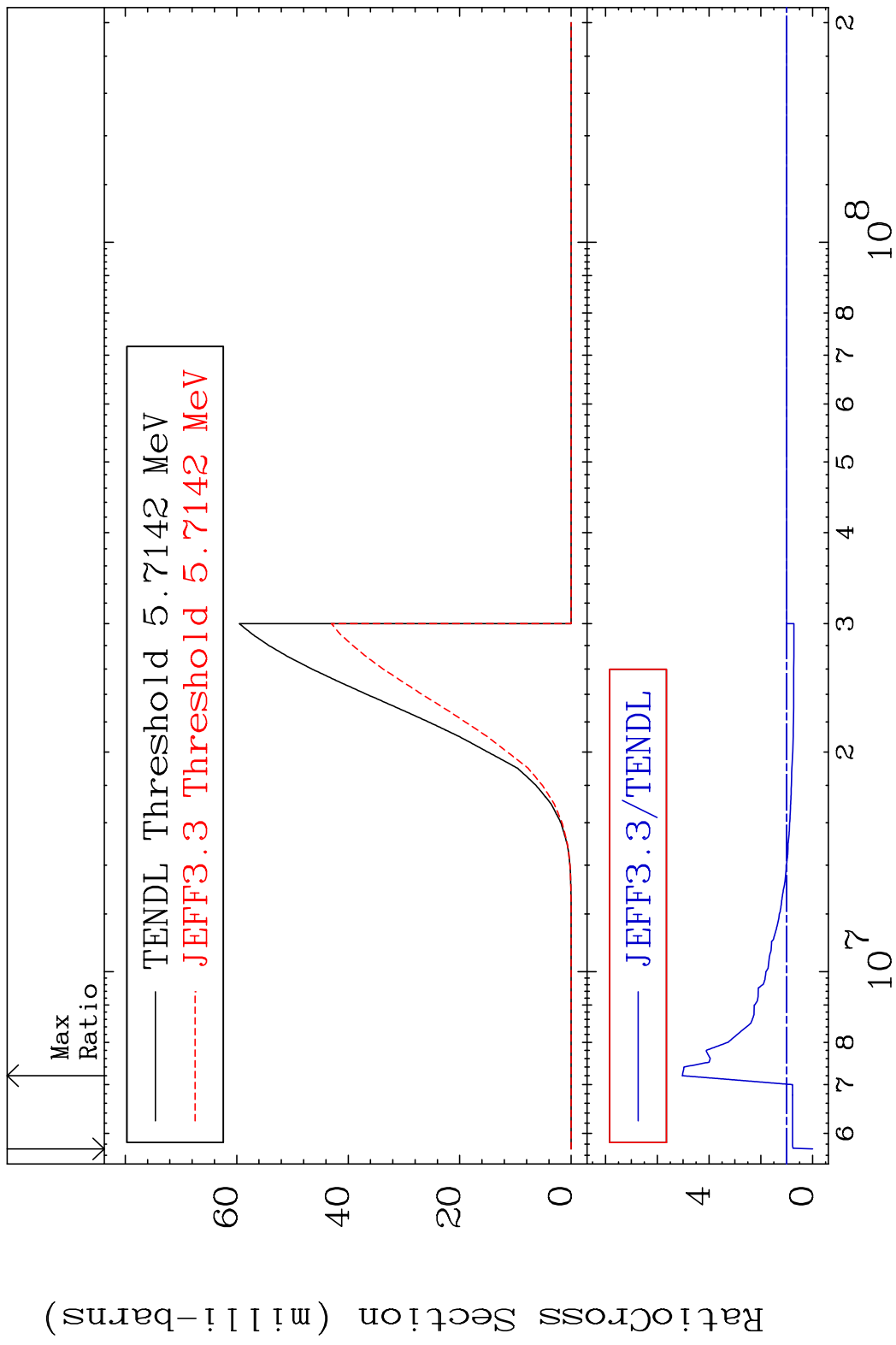
MAT 7326 (n,3n) α :71-Lu-174g 73-Ta-180m
 Radionuclide Production Cross Section (%) 9999. %



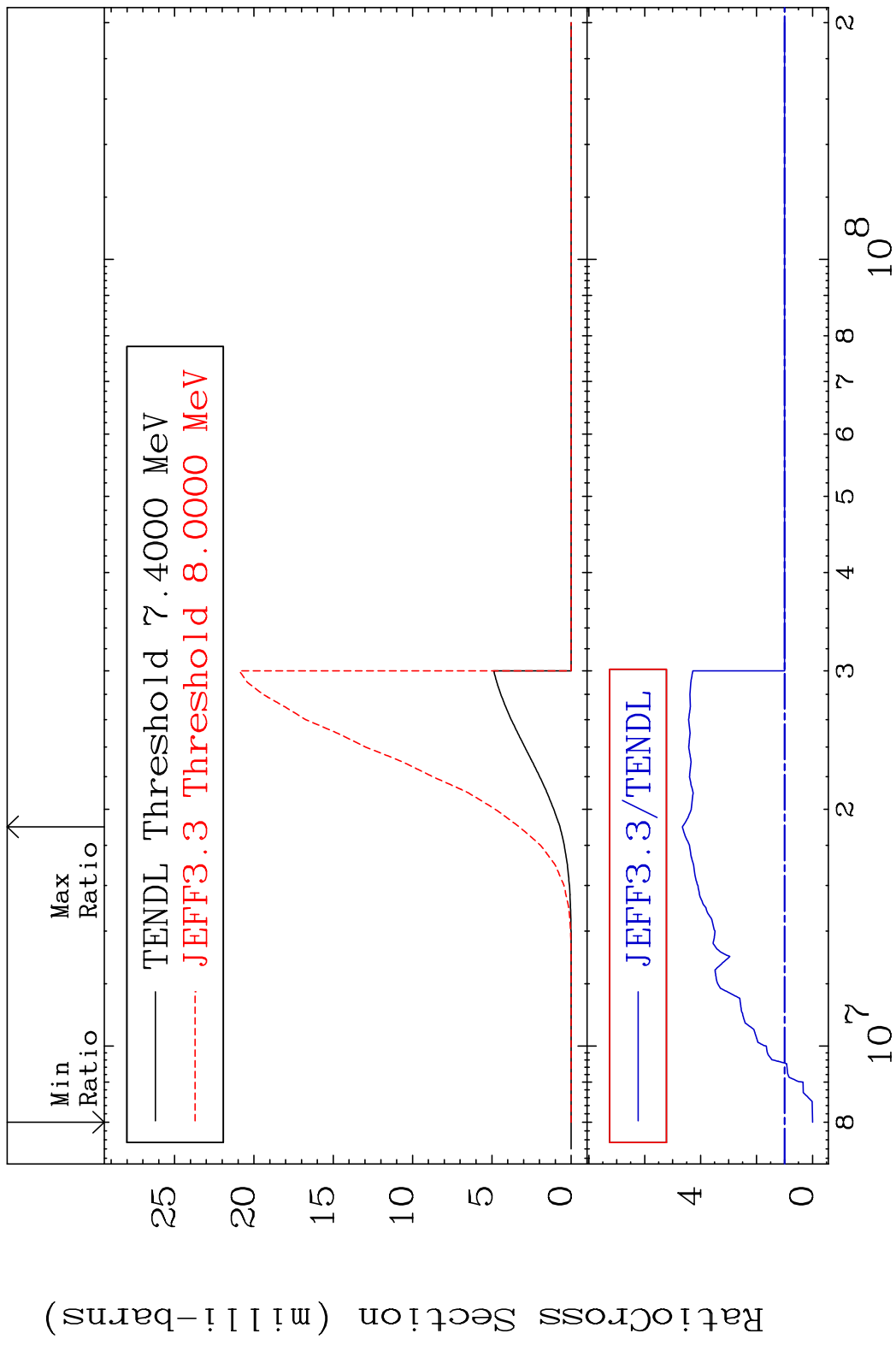
MAT 7326 (n,3n) α :71-Lu-174m3 73-Ta-180m
 Radionuclide Production Cross Section 18000000 9999. %



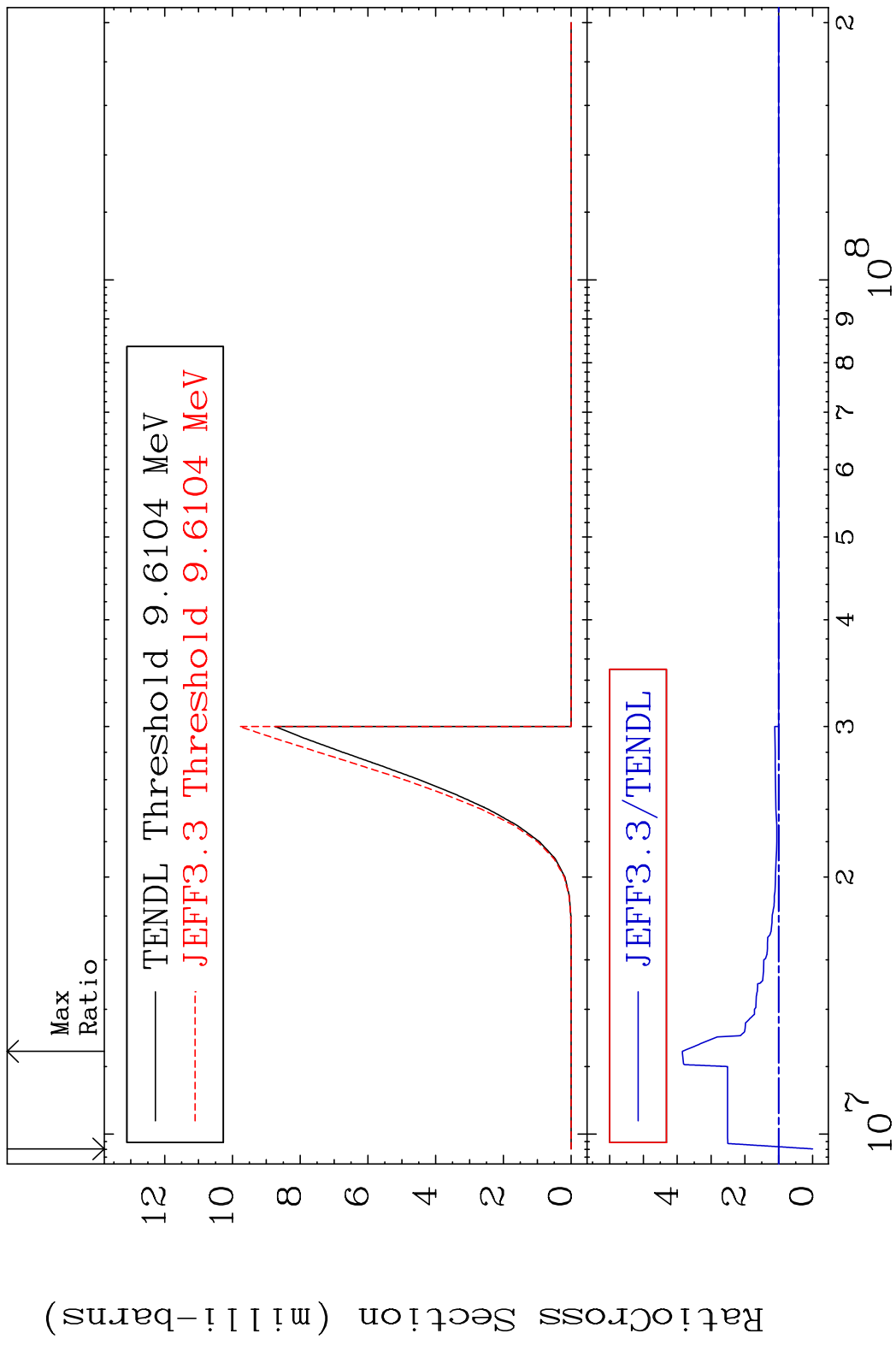
MAT 7326 (n, n') p:72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section 180.0 d to 403.2 %



MAT 7326 (n, n') p:72-Hf-179m5 73-Ta-180m
 Radionuclide Production Cross Section 365.5 %

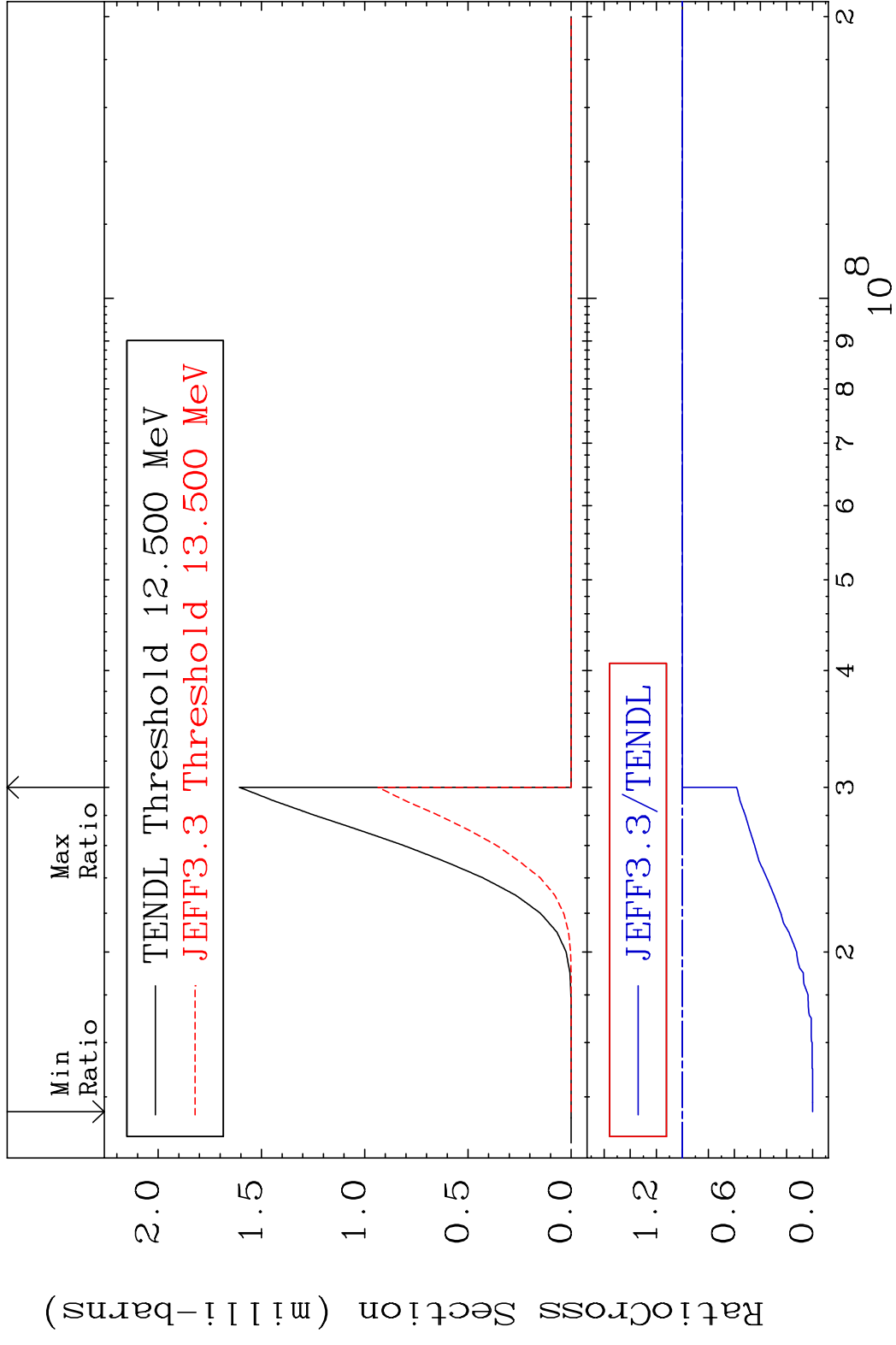


MAT 7326 (n, n') d:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section 180.01 d to 284.9 %

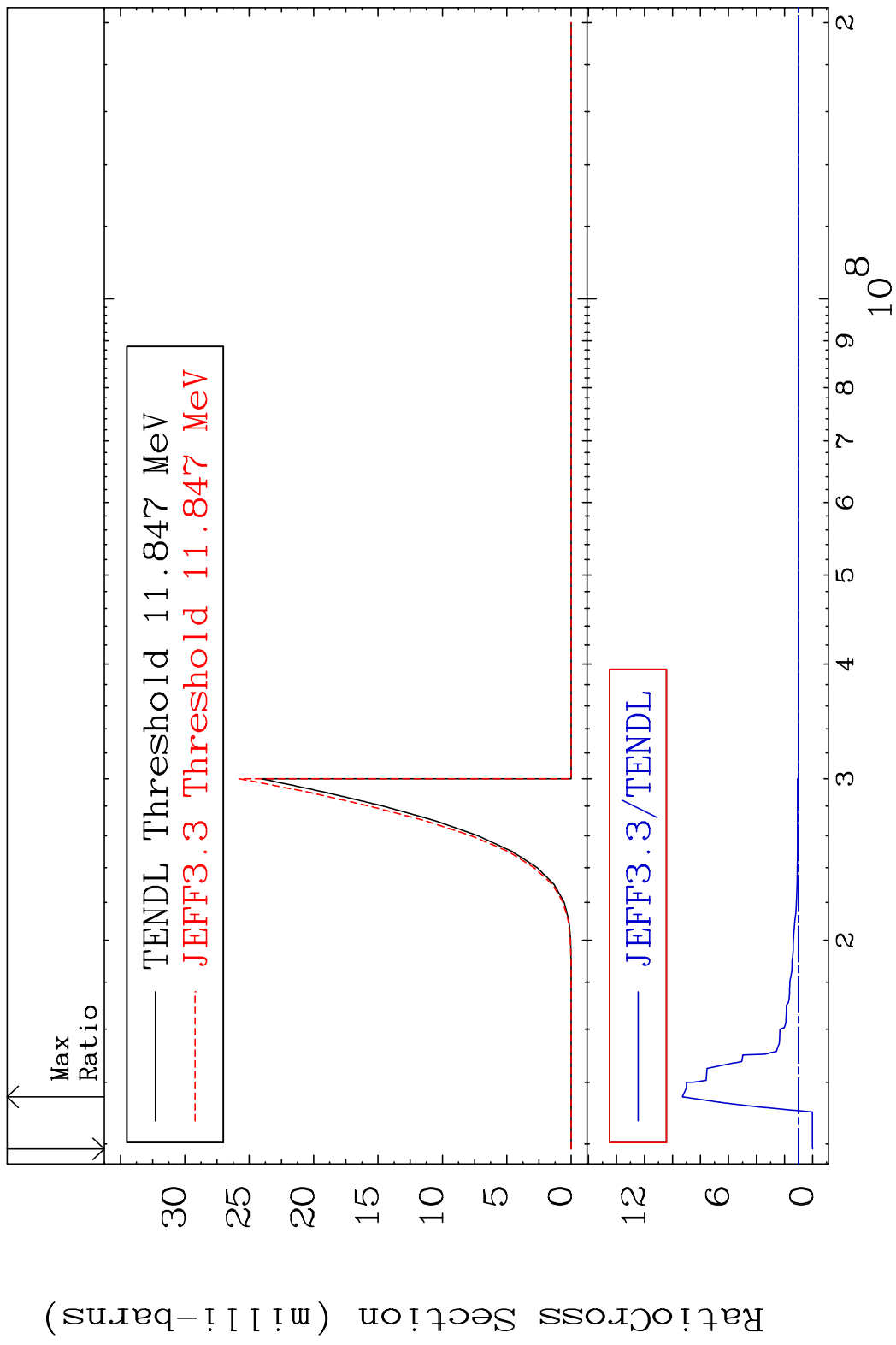


81 Incident Energy (eV) 73-Ta-180m

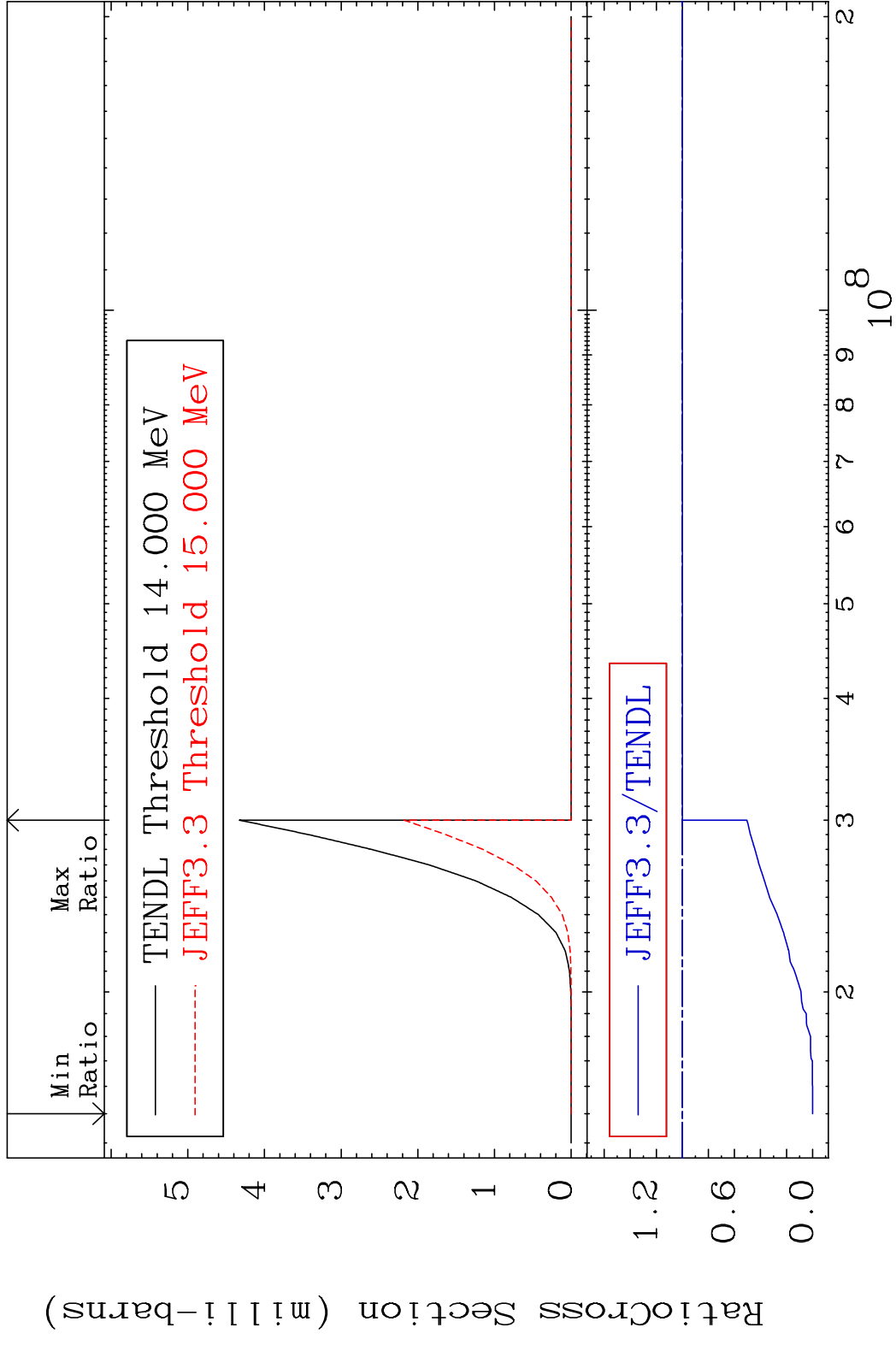
MAT 7326 (n, n') d:72-Hf-178m5 73-Ta-180m
 Radionuclide Production Cross Section 180.0 mb 0.000 %



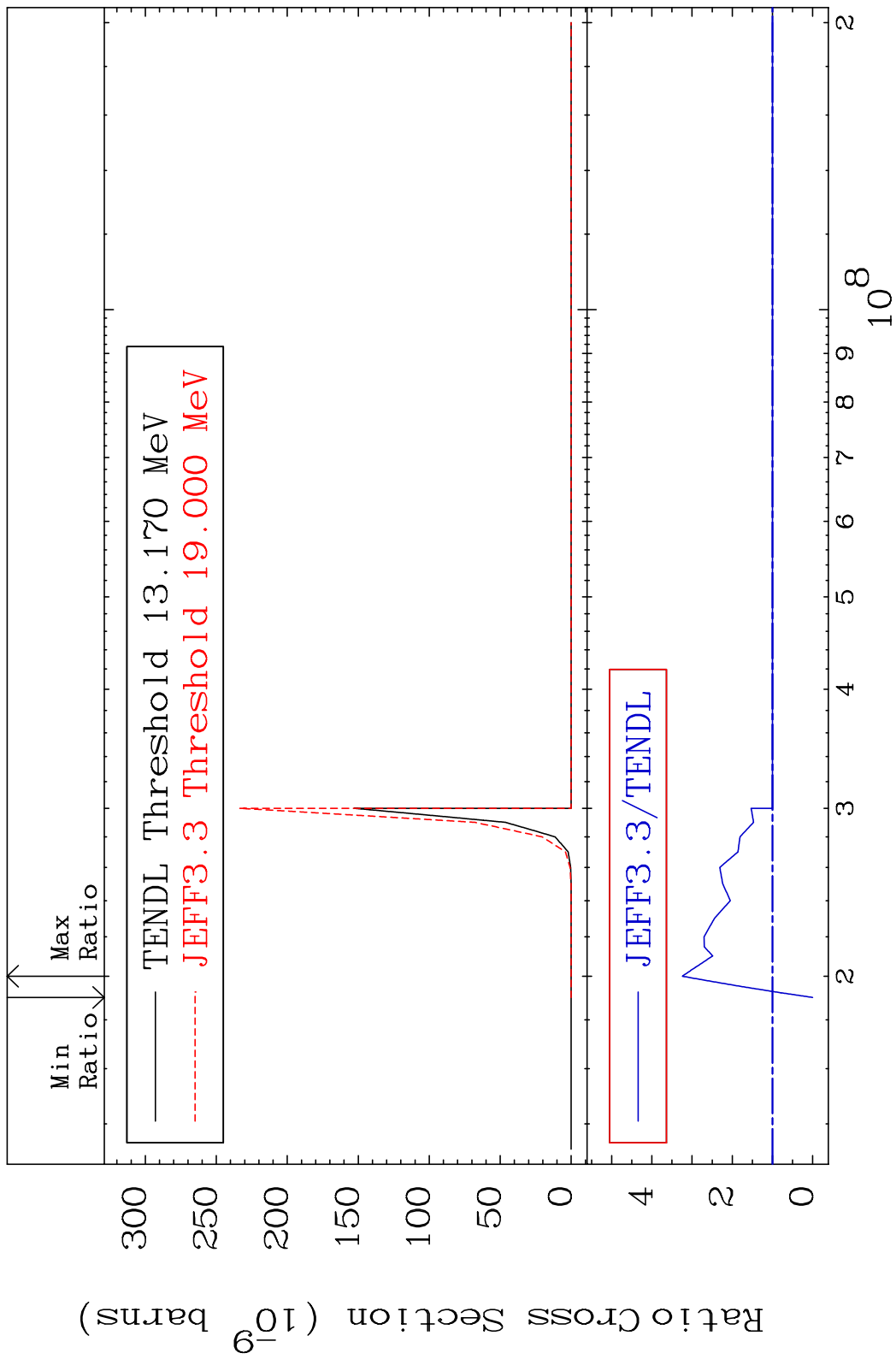
MAT 7326 (n,2n) p:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section 1800.0 dth 829.7 %



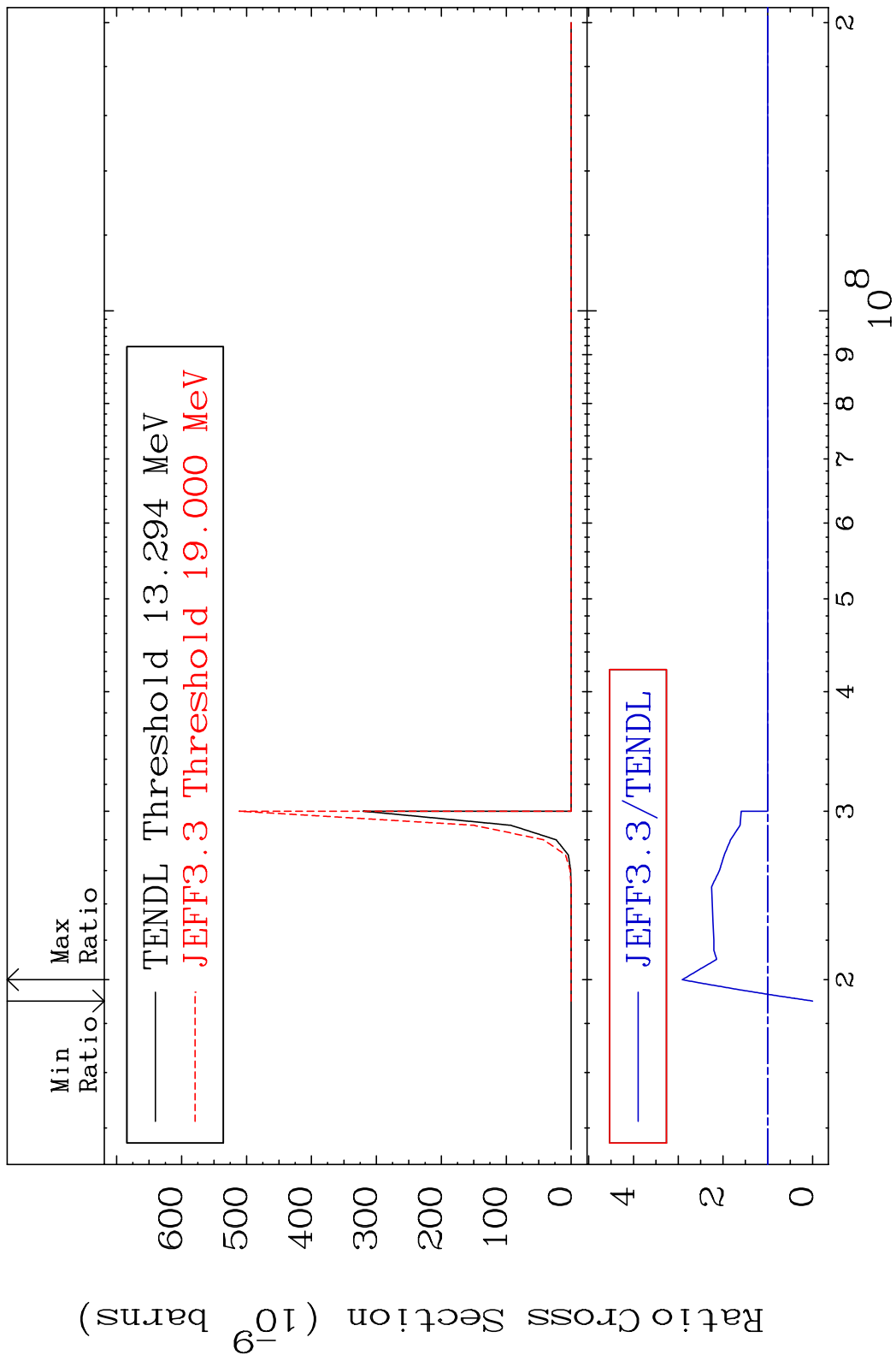
MAT 7326 (n,2n) p:72-Hf-178m5 73-Ta-180m
 Radionuclide Production Cross Section 180.0 mb 0.000 %



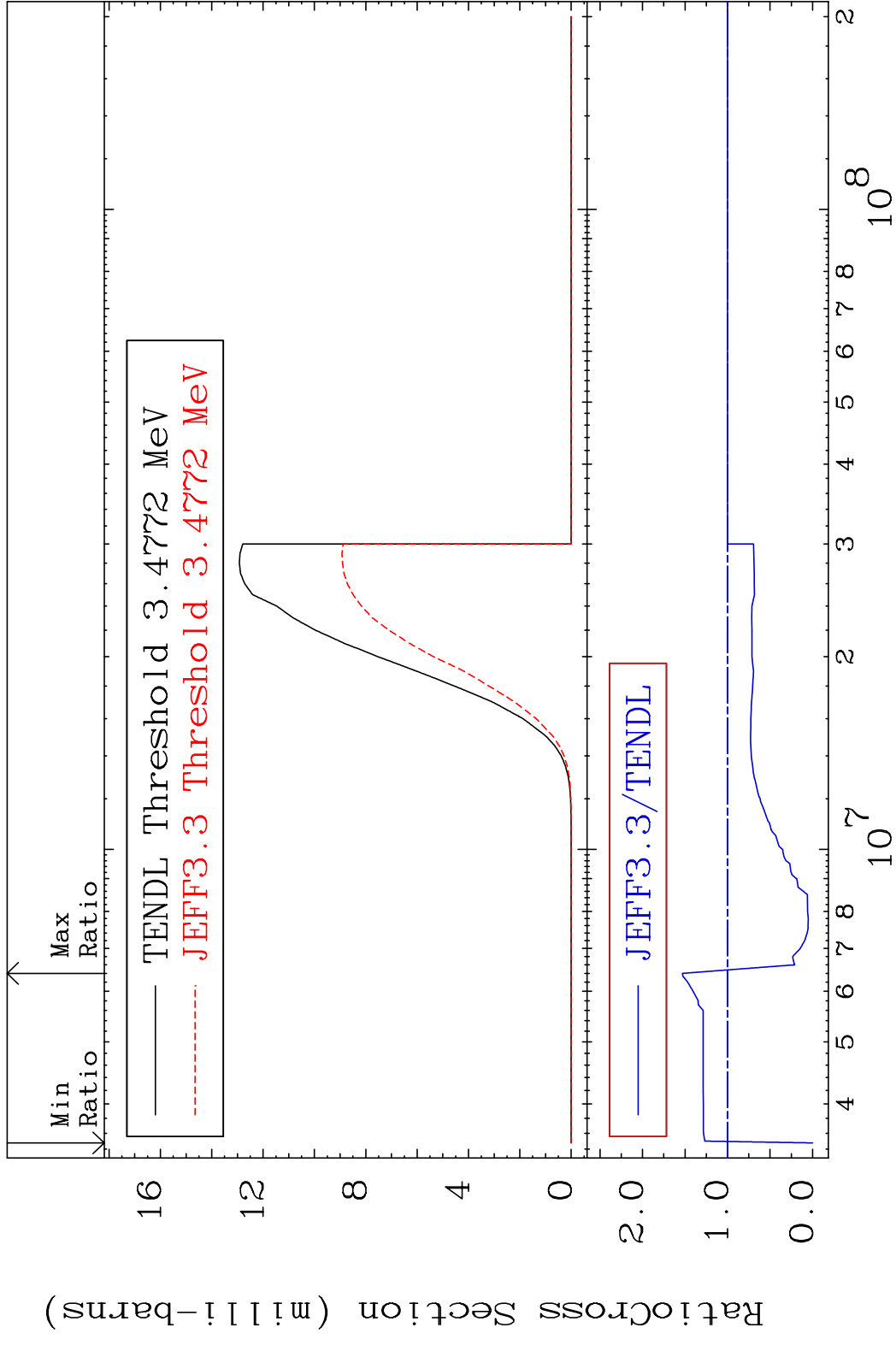
MAT 7326 (n,2n) p:71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section 180.01 dth 224.2 %



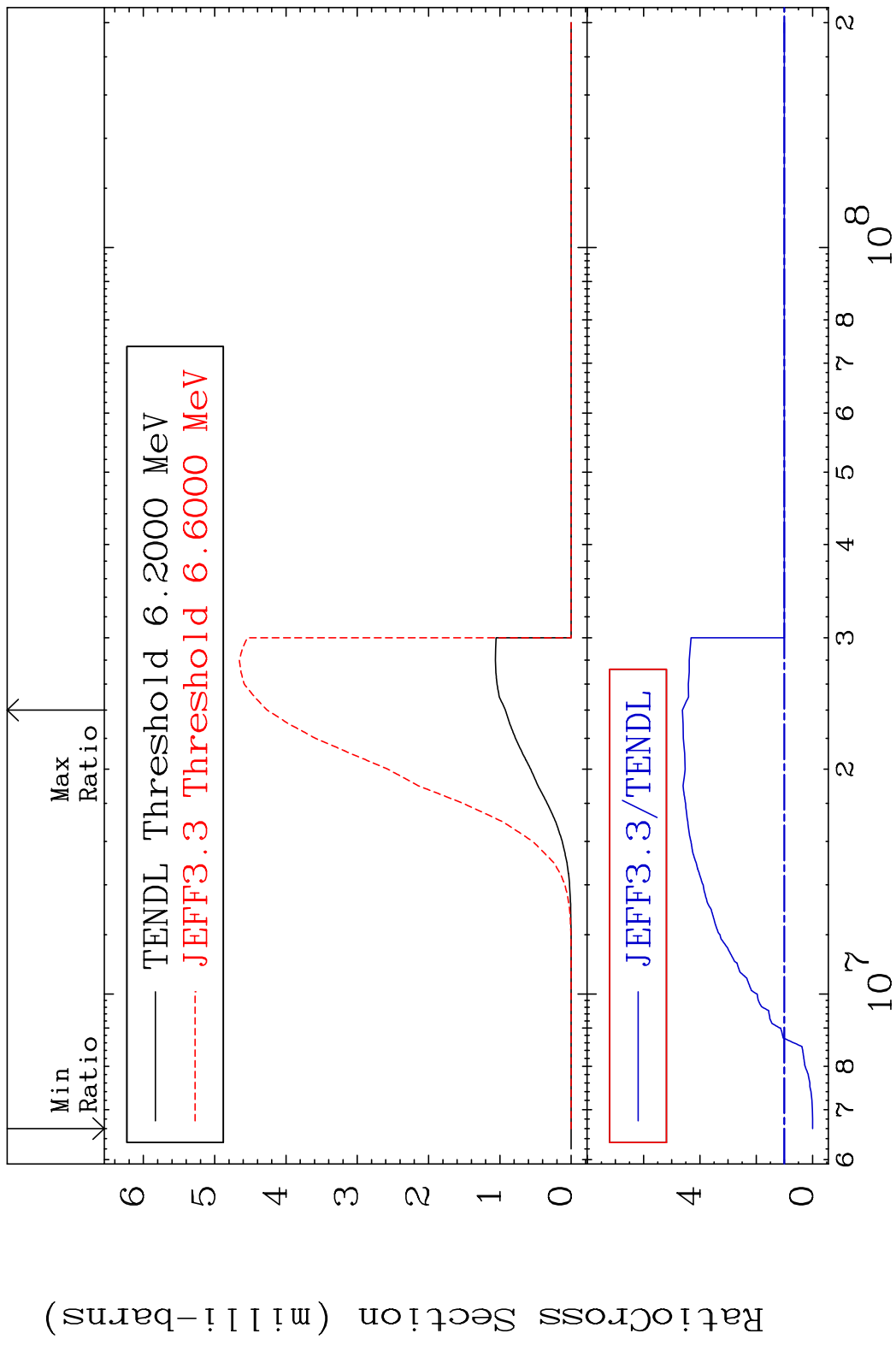
MAT 7326 (n,2n) p:71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section 190.8 %



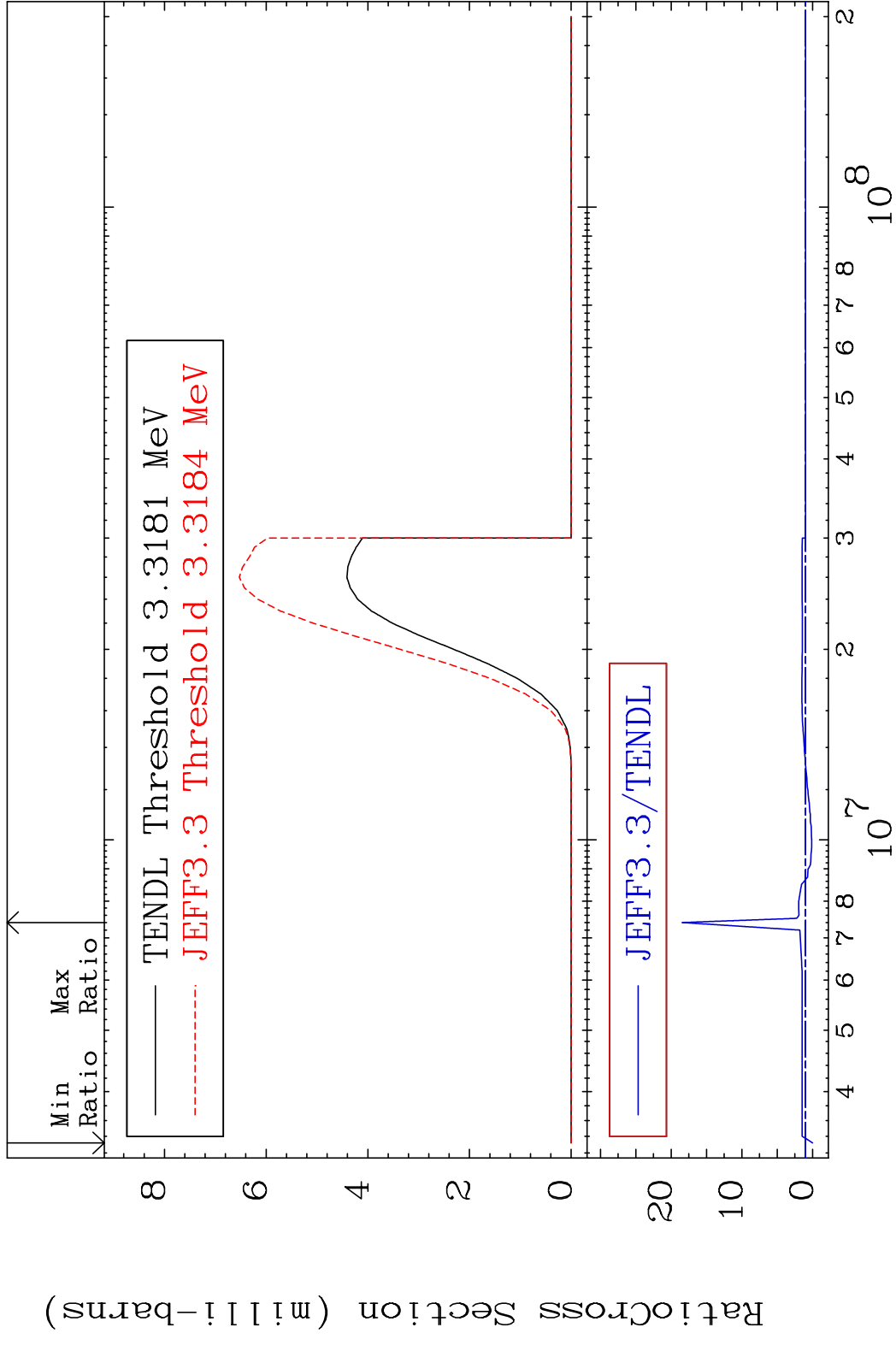
MAT 7326 (n, d): 72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section 53.15 %



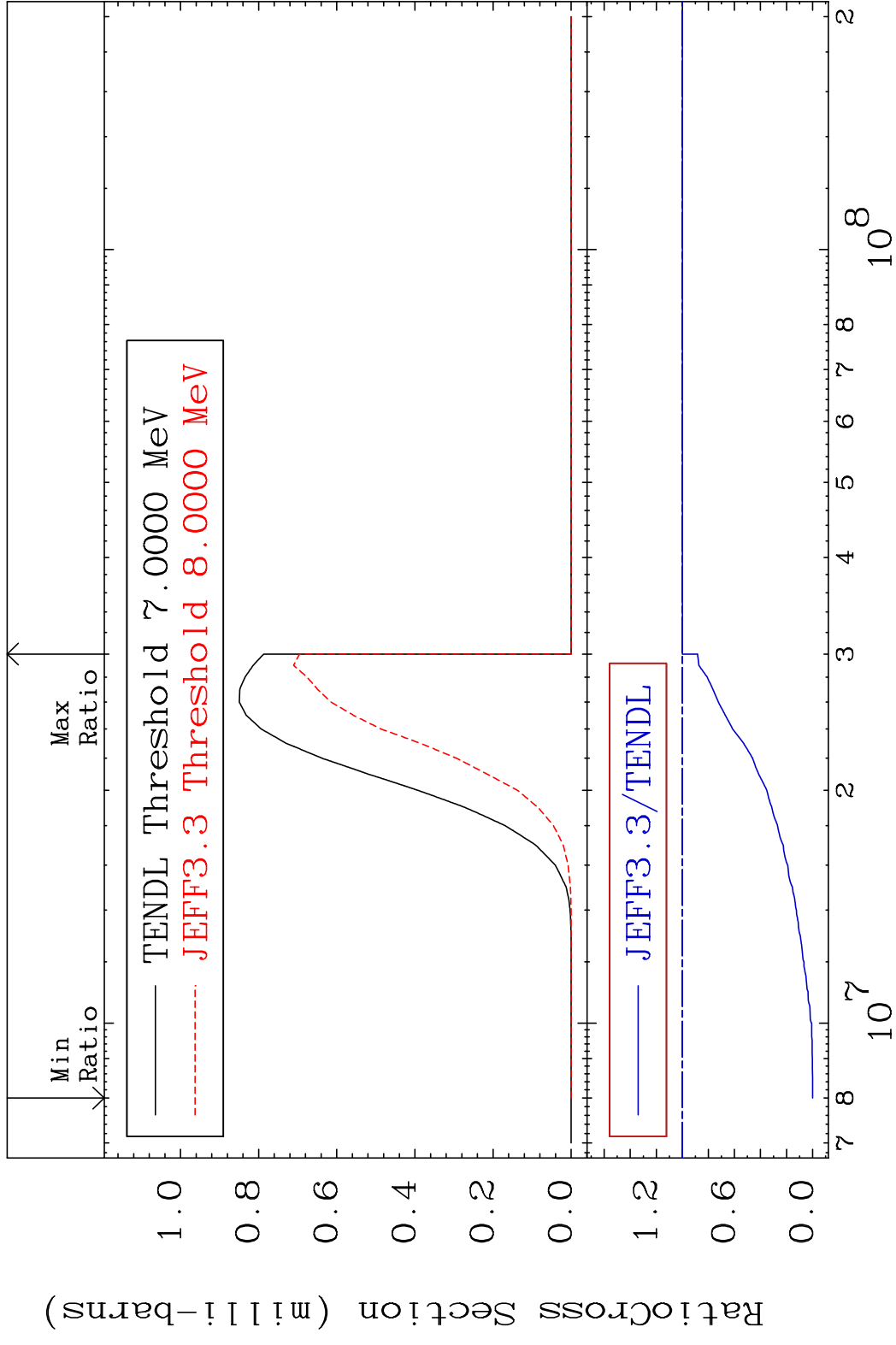
MAT 7326 (n, d): 72-Hf-179m5 73-Ta-180m
 Radionuclide Production Cross Section 180.01 d to 362.3 %

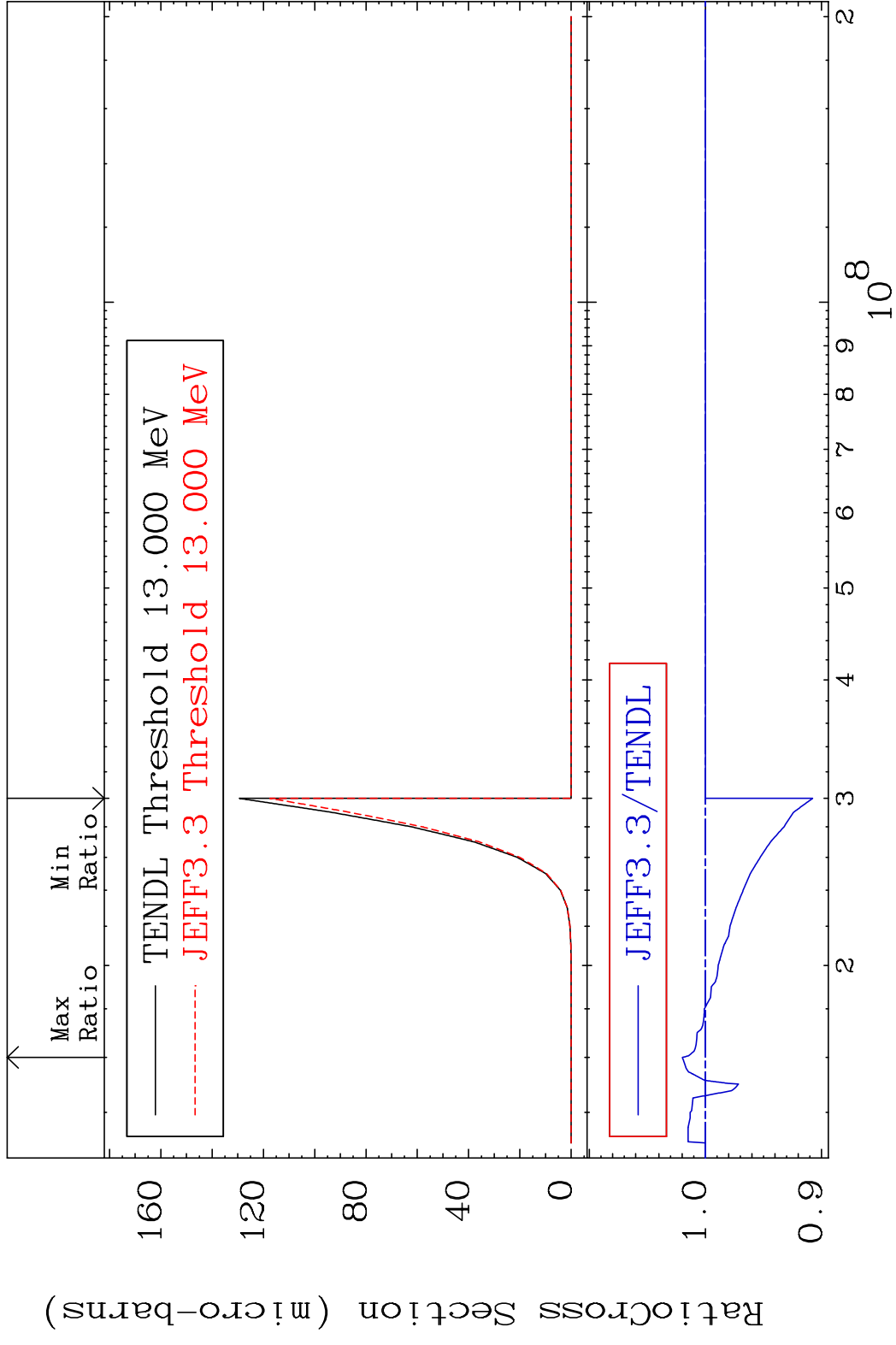


MAT 7326 (n, t):72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section 1800 d to 1742. %

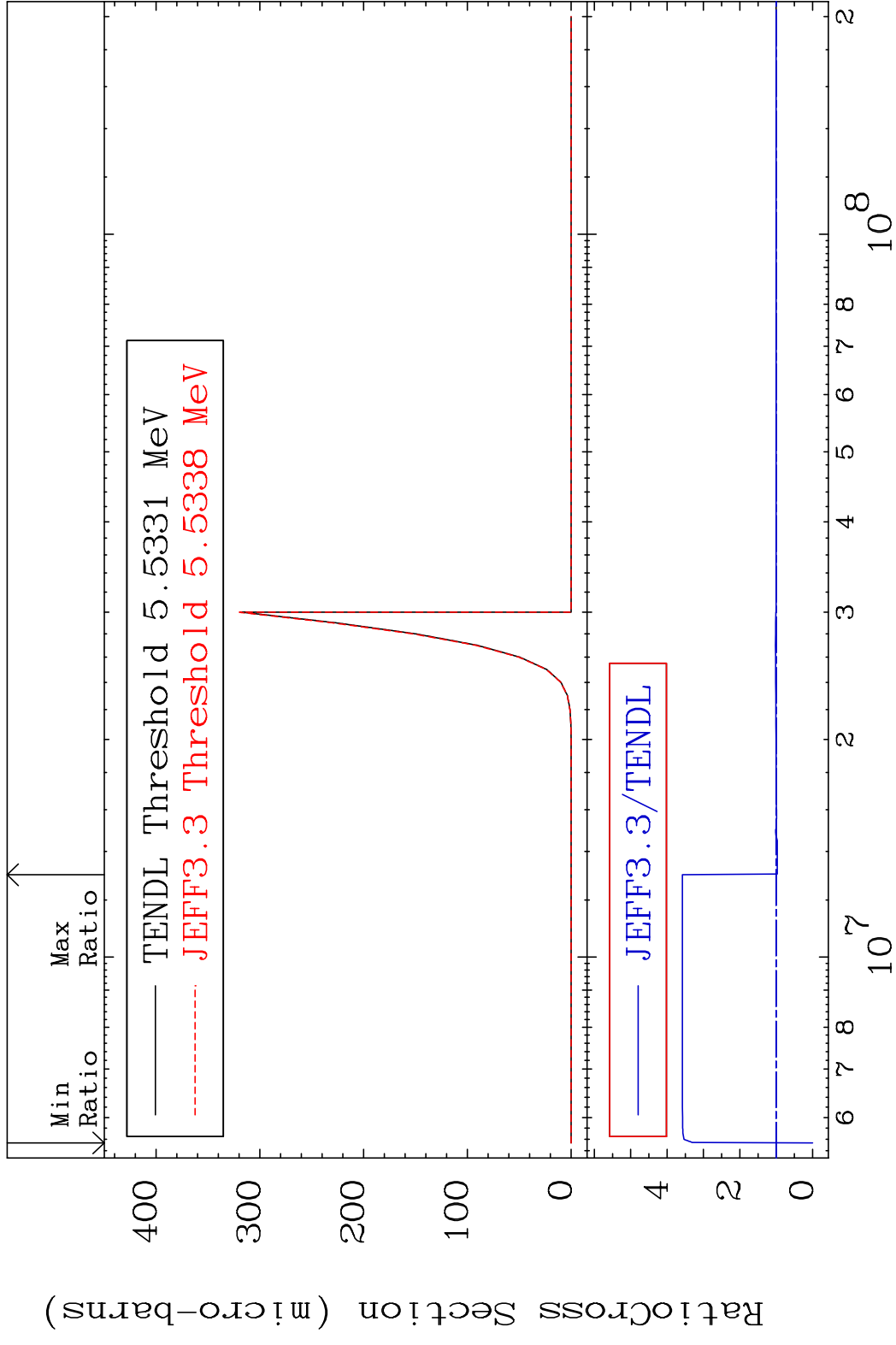


MAT 7326 (n, t): 72-Hf-178m5 73-Ta-180m
 Radionuclide Production Cross Section 180.0 mb 0.000 %

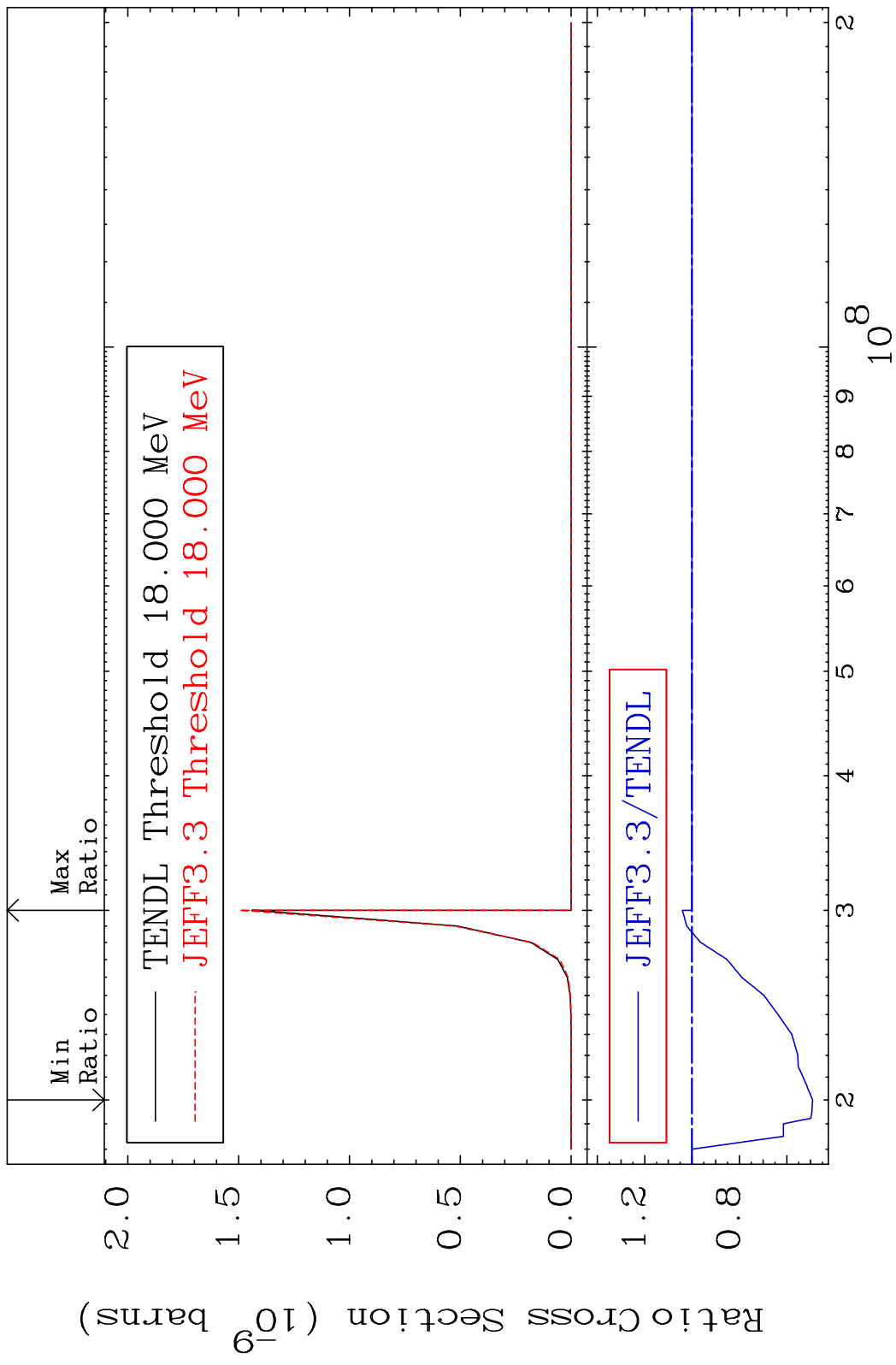




MAT 7326 (n, He-3) : 71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section Ratio 258.0 %



MAT 7326 (n,p) d:71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section 4.088 %



MAT 7326 (n, p) d:71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section 180.01 d:10 15.79 %

