

Program Complot
(Version 2021-1)

by

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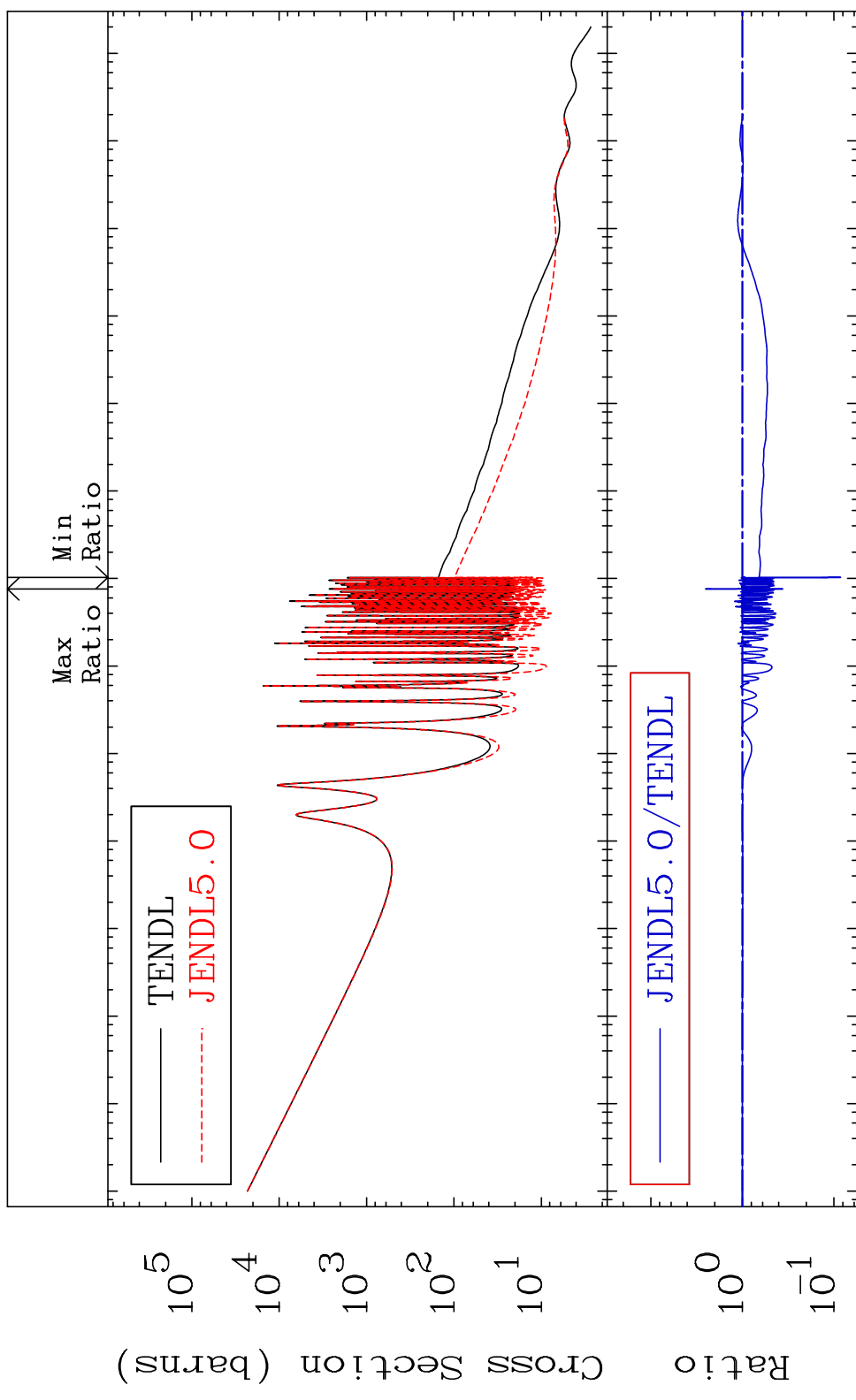
Tele: 925-443-1911

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

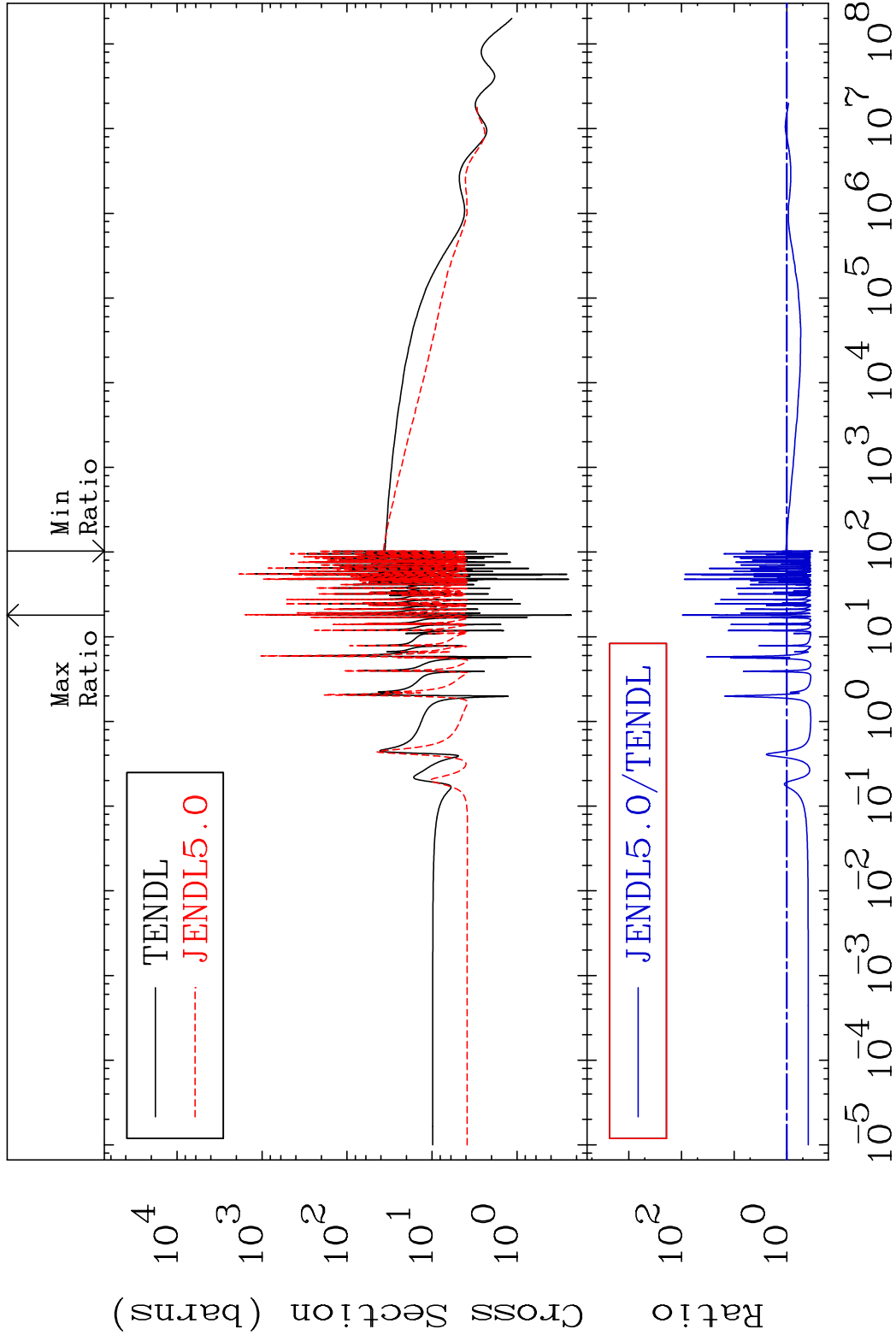
MAT 7326

Elastic

73-Ta-180m

Cross Section

-67.39 To 9531. %



2

Incident Energy (eV)

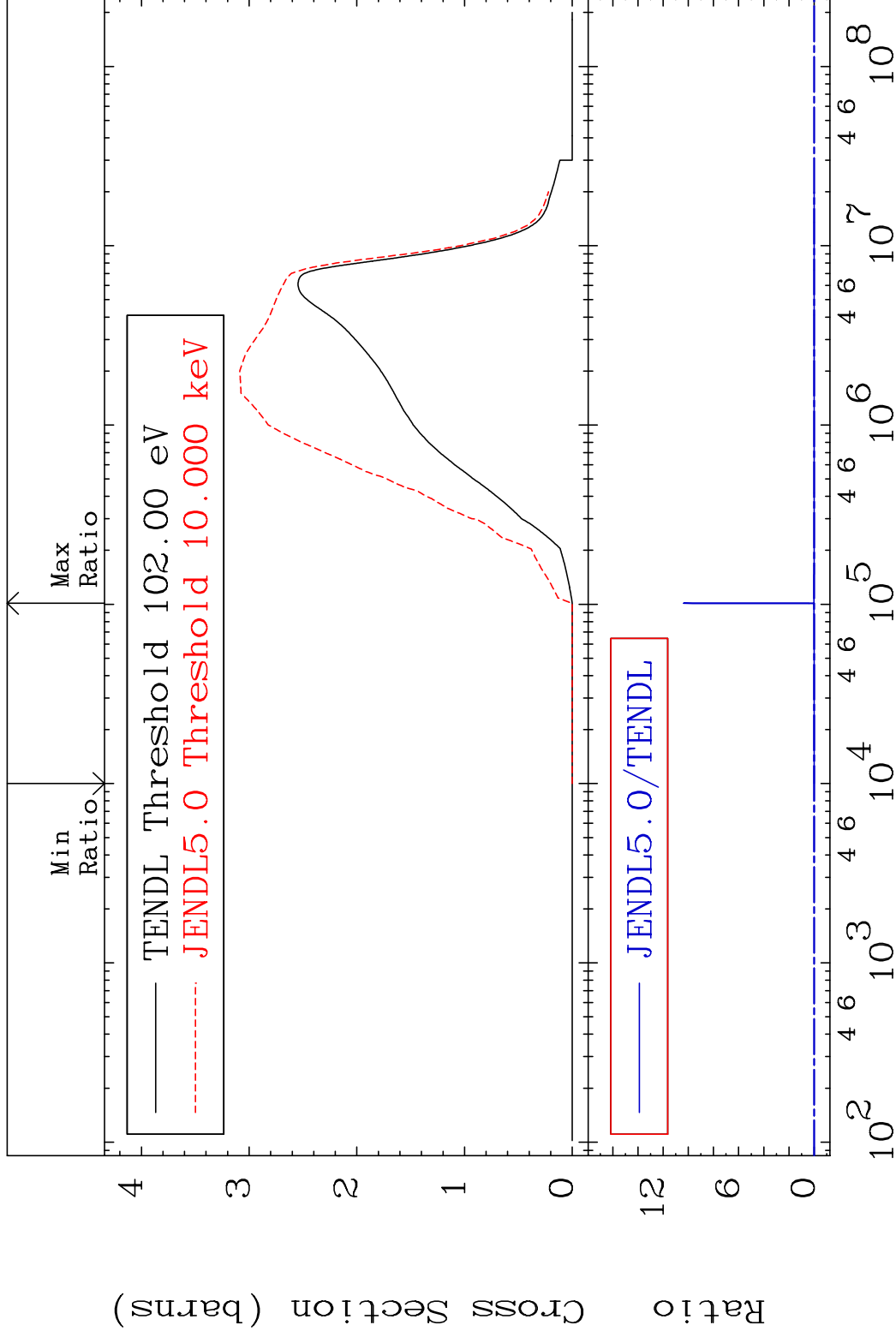
73-Ta-180m

MAT 7326

Inelastic

73-Ta-180m

Cross Section -100.0 To 9999. %



Incident Energy (eV)

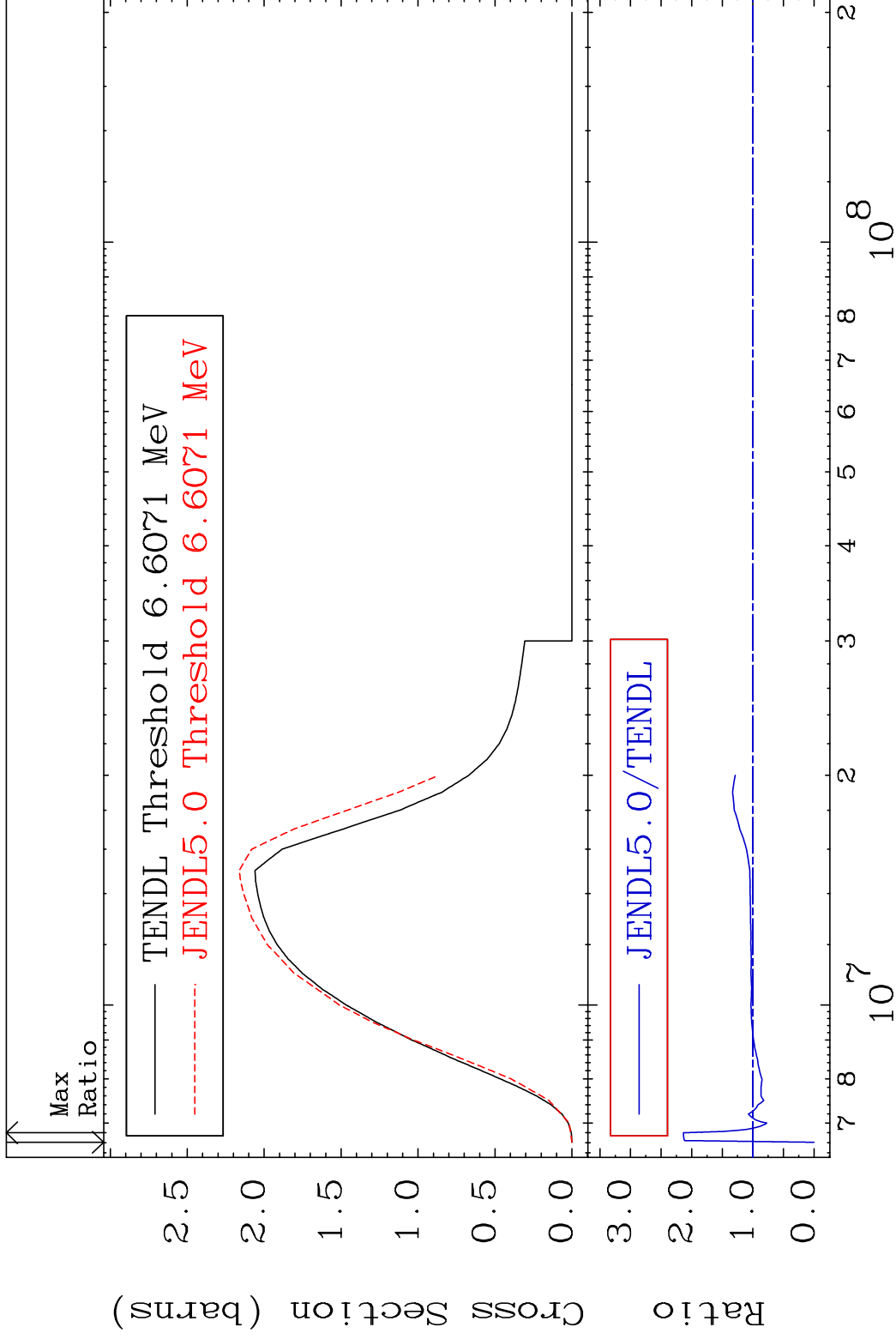
73-Ta-180m

MAT 7326

(n,2n)

73-Ta-180m

Cross Section -100.0 To 113.5 %



4

Incident Energy (eV)

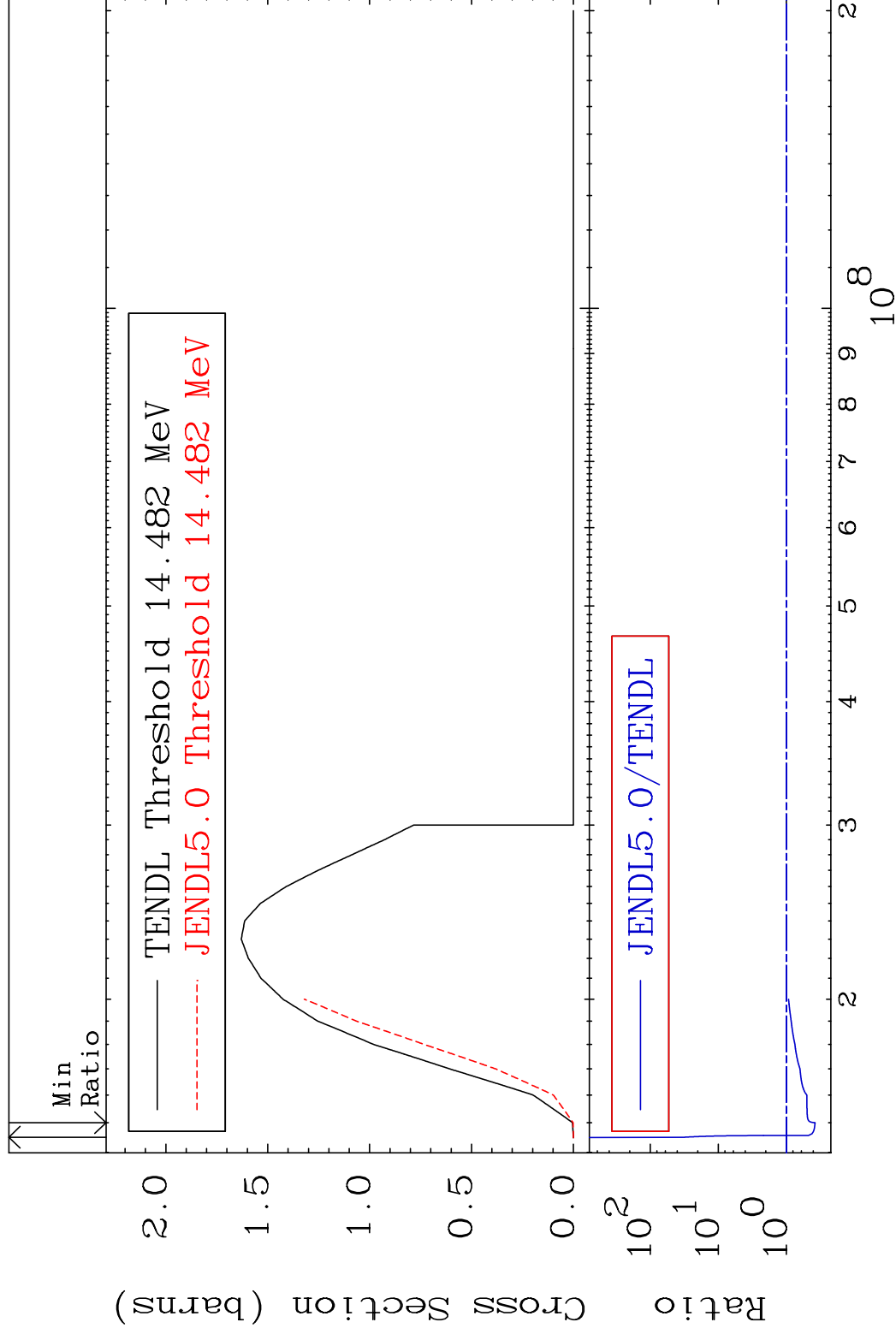
73-Ta-180m

MAT 7326

(n,3n)

73-Ta-180m

Cross Section -62.23 To 3013. %



5

Incident Energy (eV)

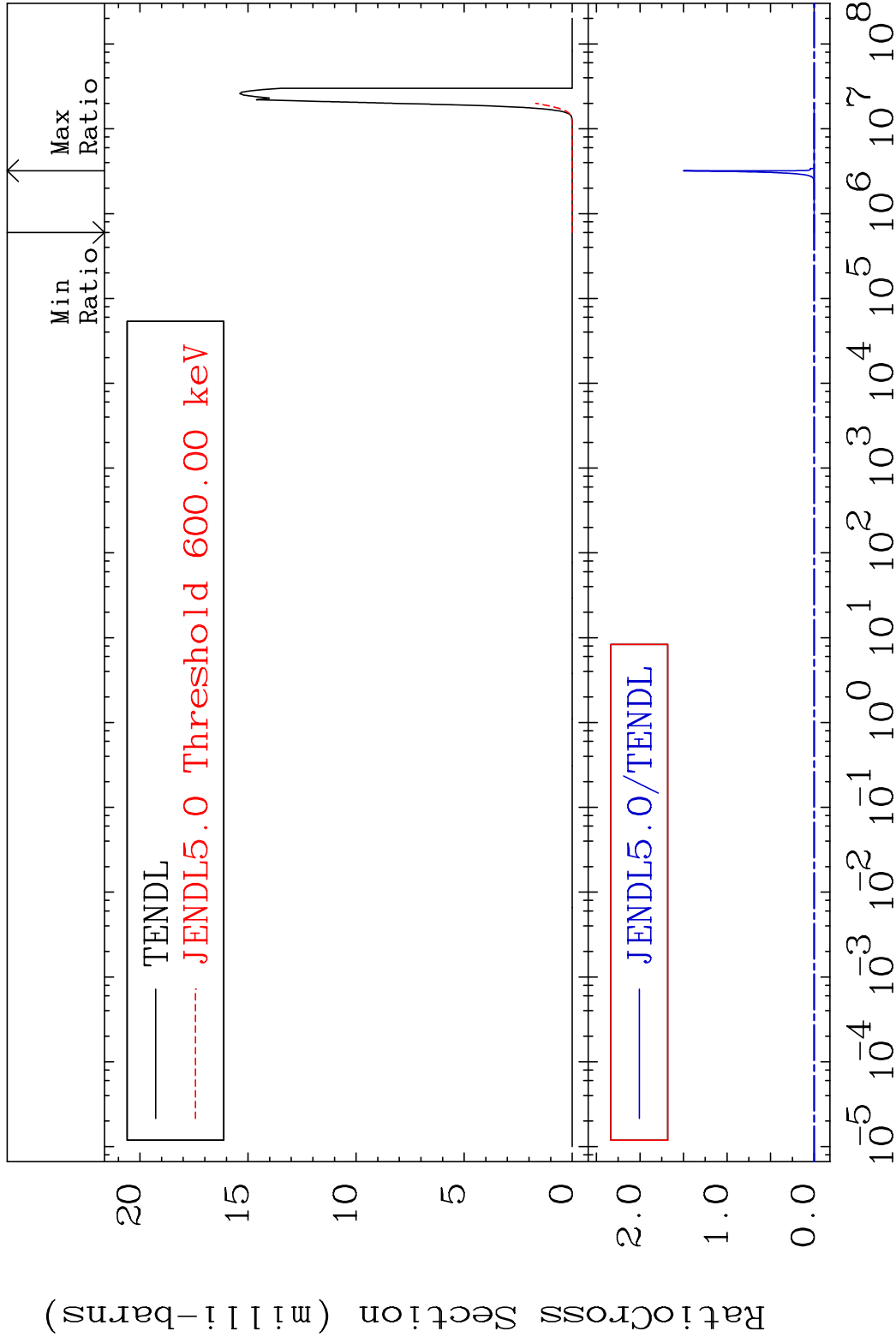
73-Ta-180m

MAT 7326

(n, n') α

73-Ta-180m

Cross Section -100.0 To 9999. %

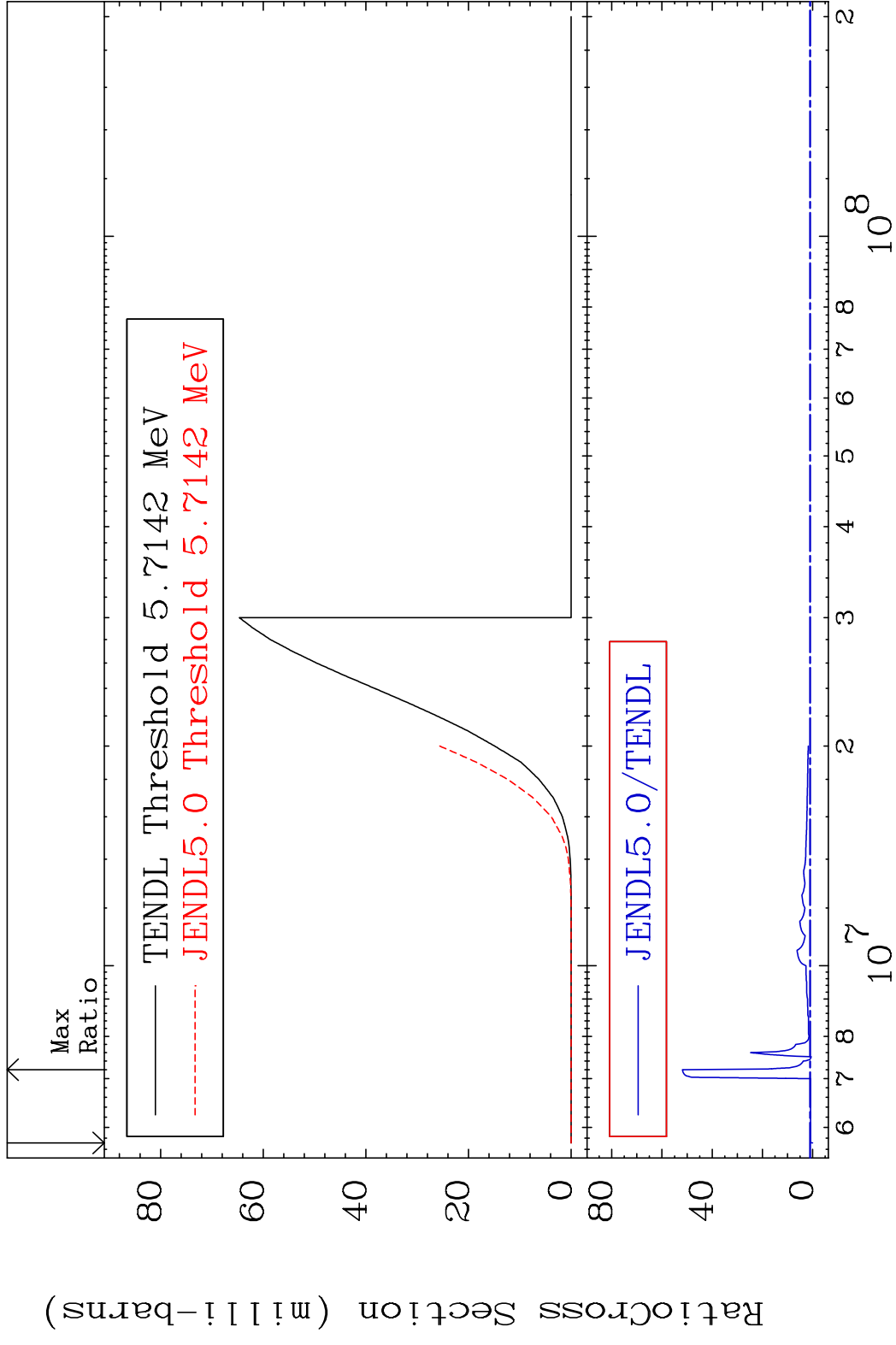


6

Incident Energy (eV)

73-Ta-180m

MAT 7326 (n, n') p 73-Ta-180m
 Cross Section -100.0 To 5088. %



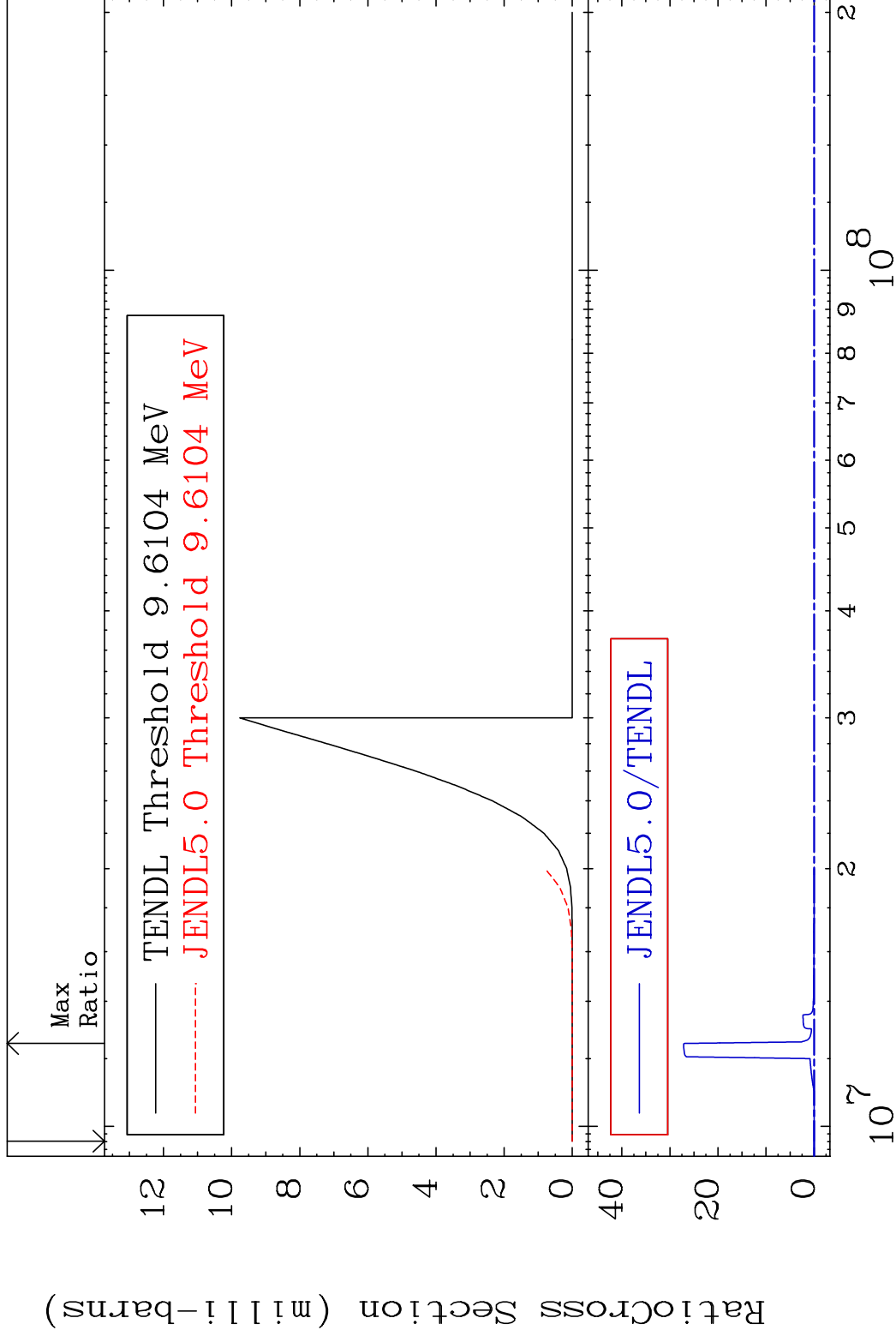
7 73-Ta-180m

MAT 7326

(n, n') d

73-Ta-180m

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

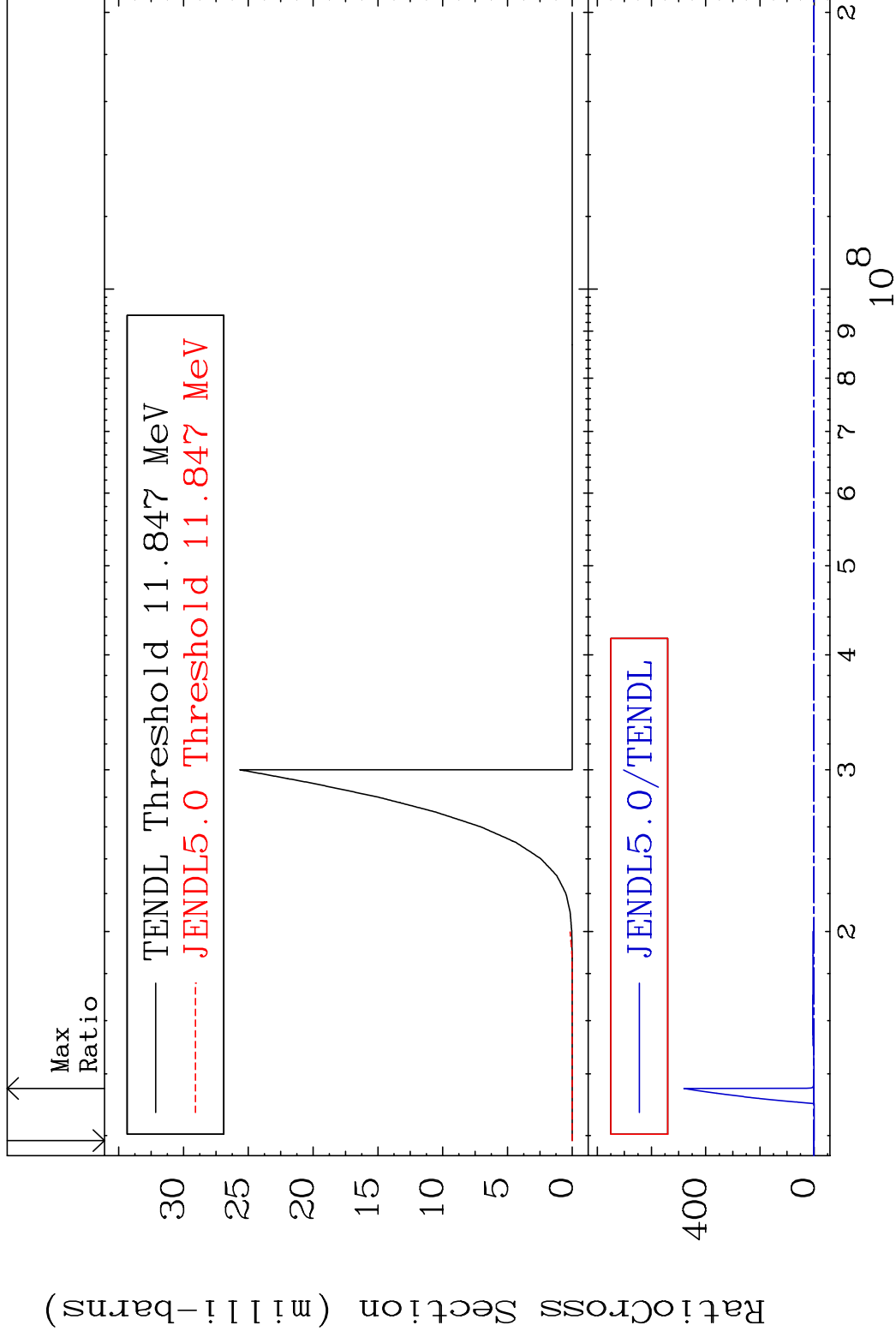
73-Ta-180m

MAT 7326

(n,2n) p

73-Ta-180m

Cross Section -100.0 To 9999. %

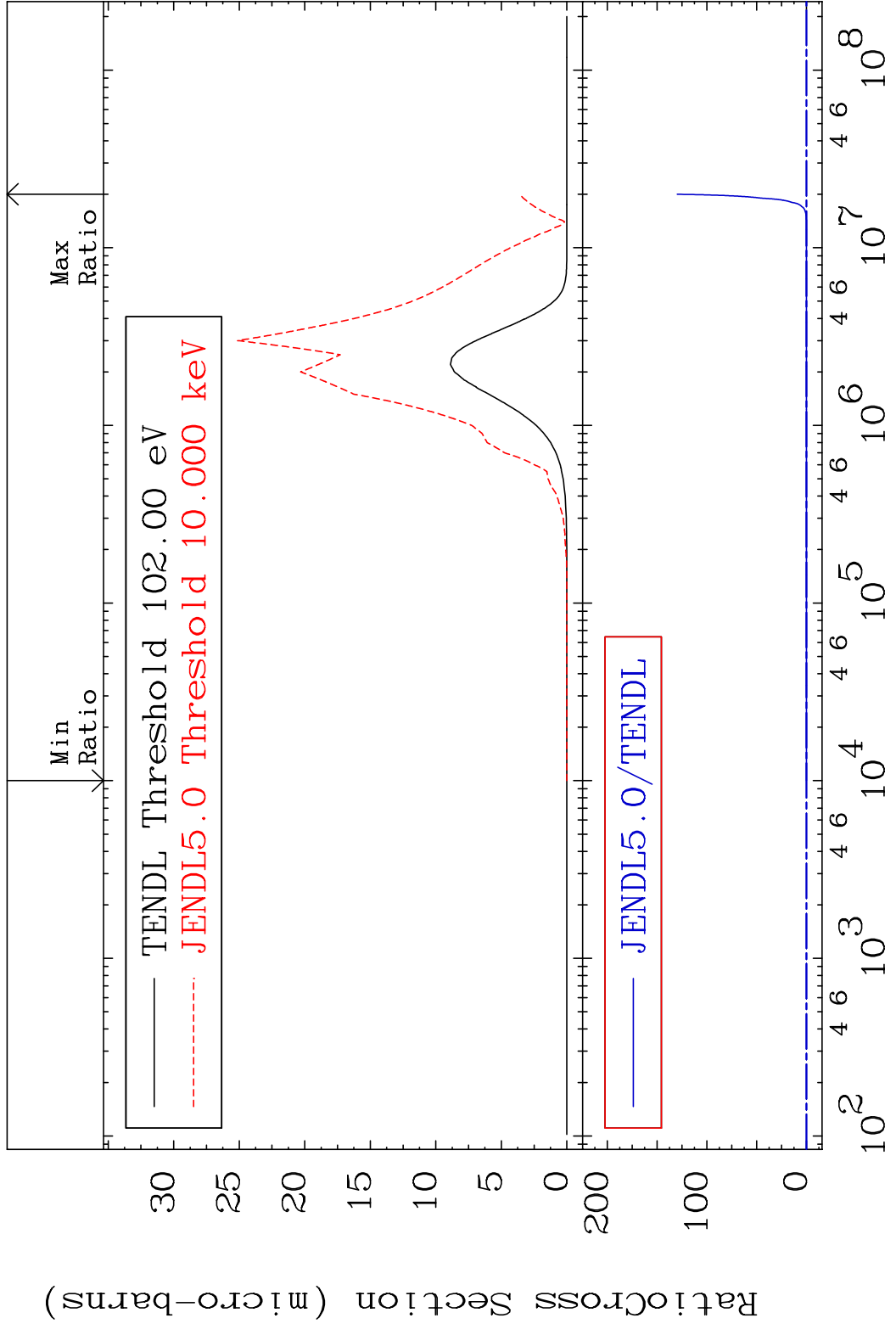


9

Incident Energy (eV)

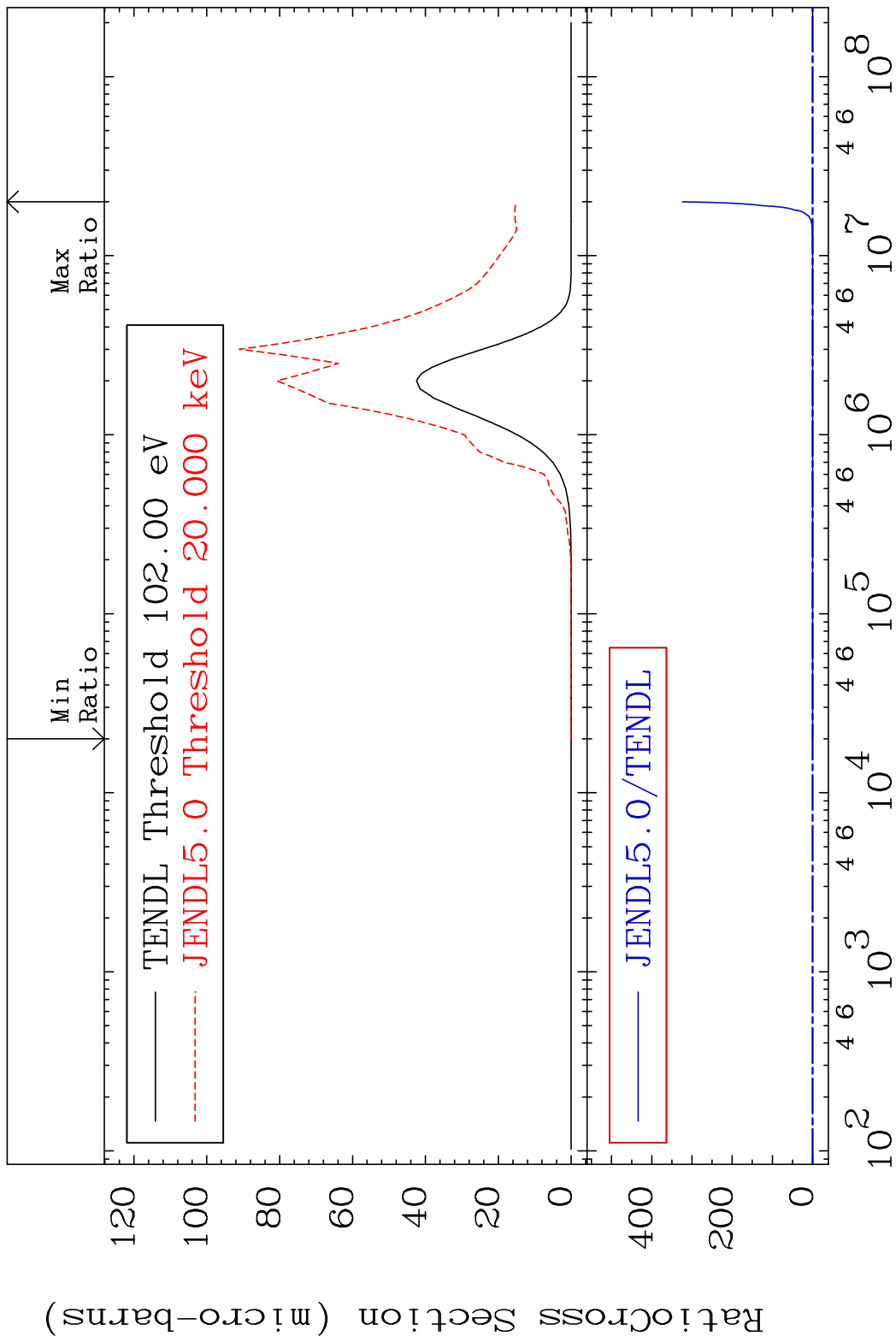
73-Ta-180m

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



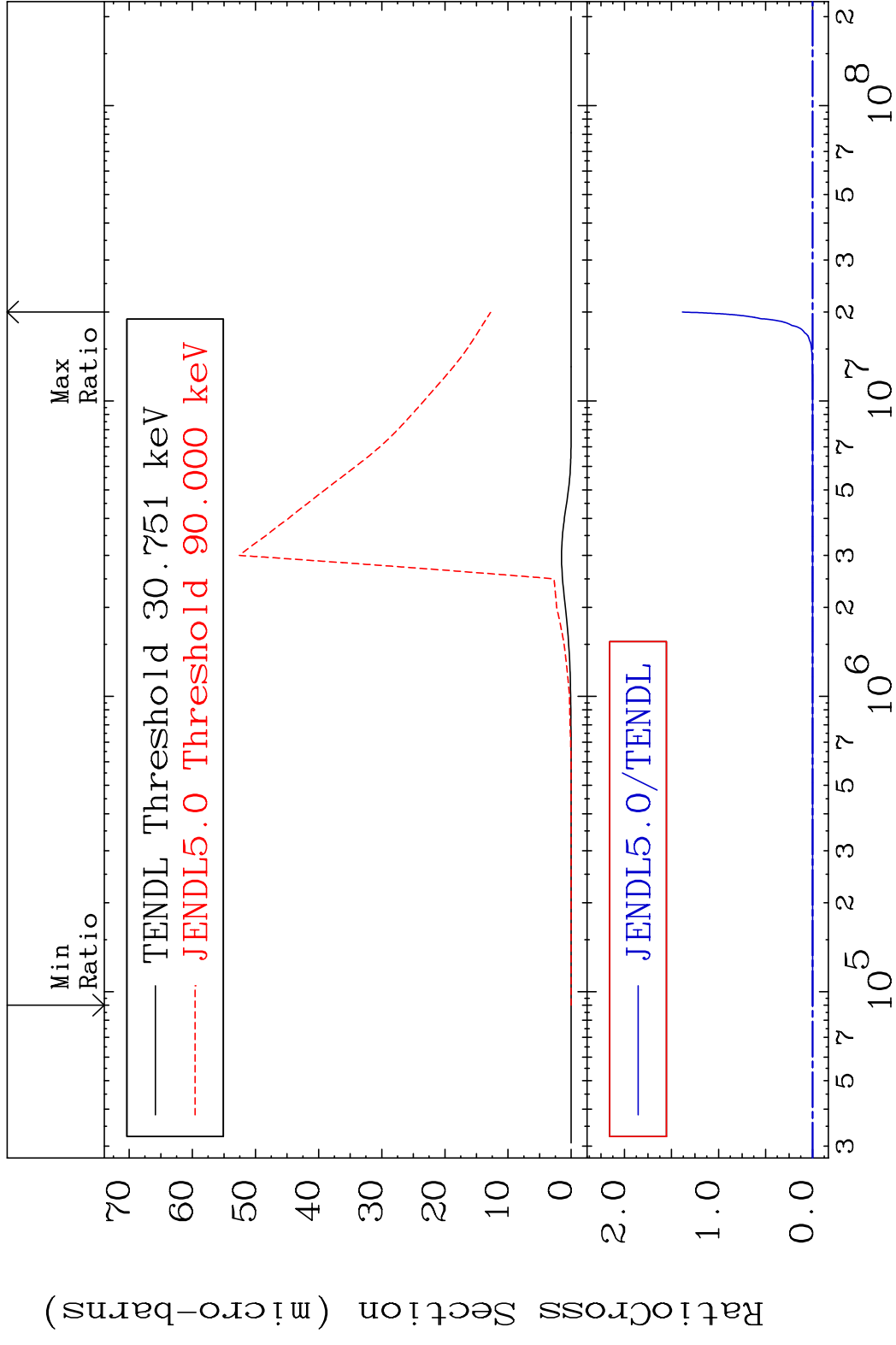
10 Incident Energy (eV) 73-Ta-180m

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



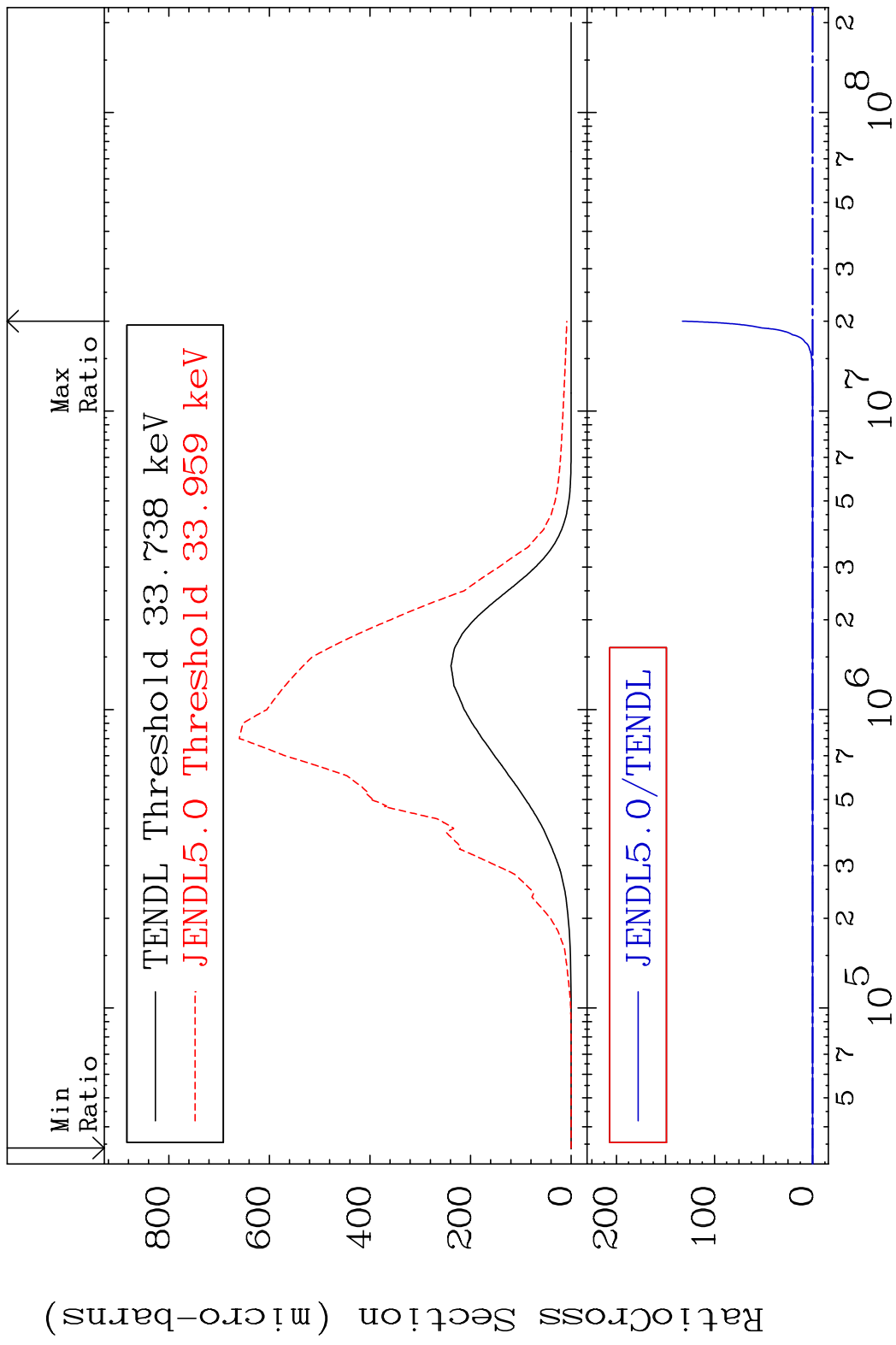
11 Incident Energy (eV) 73-Ta-180m

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

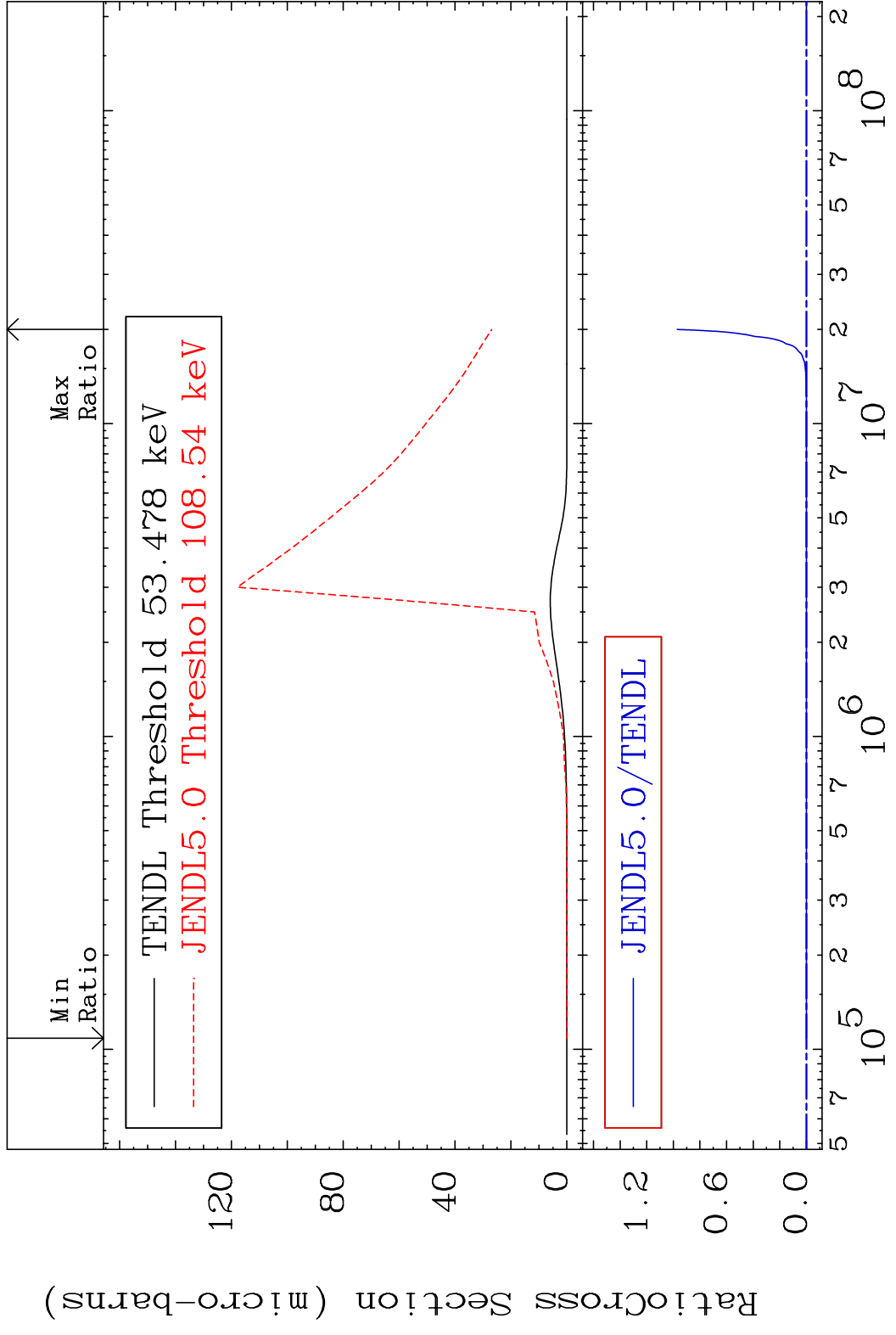


12 Incident Energy (eV) 73-Ta-180m

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

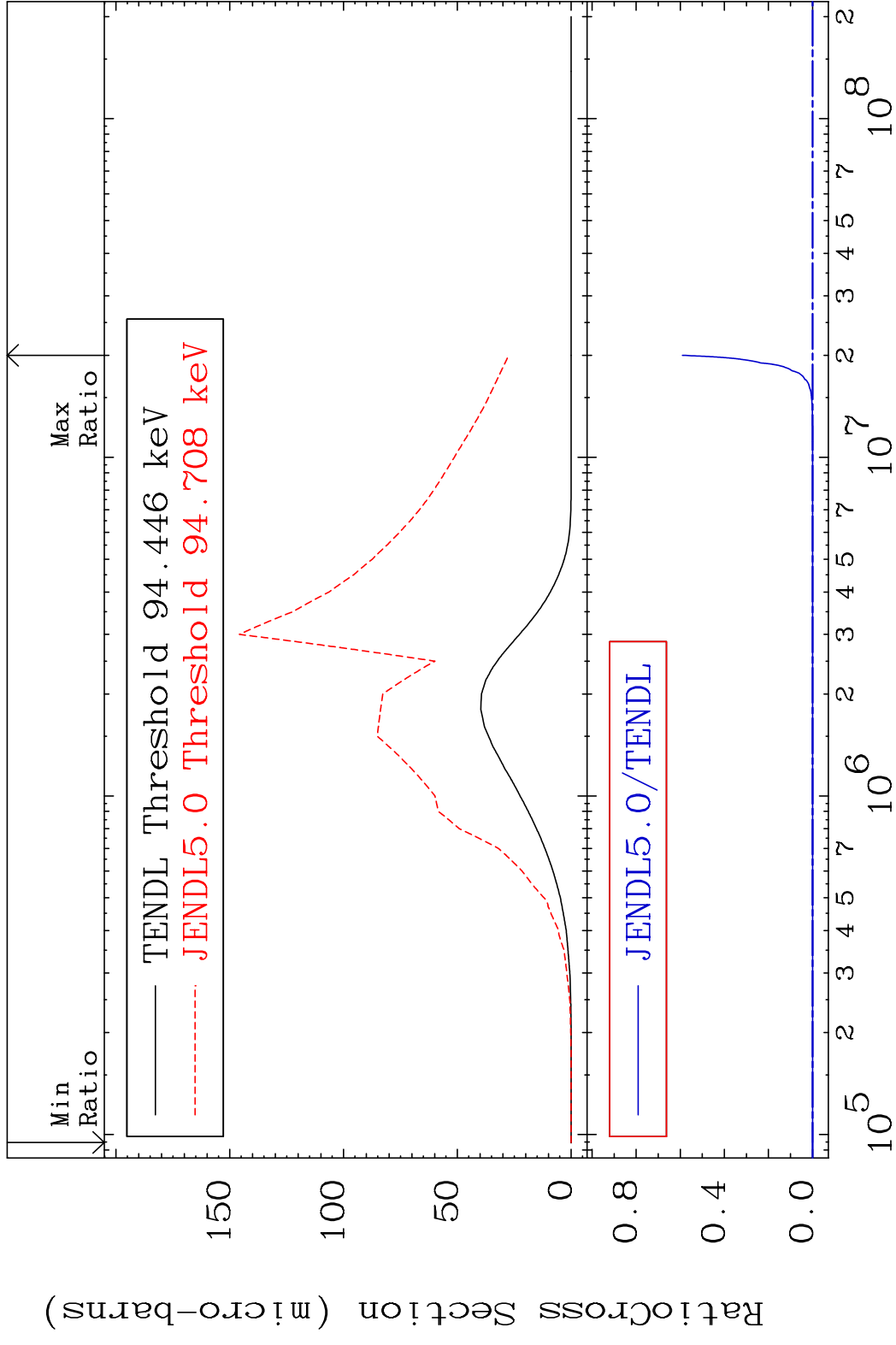


MAT 7326 MT= 55 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



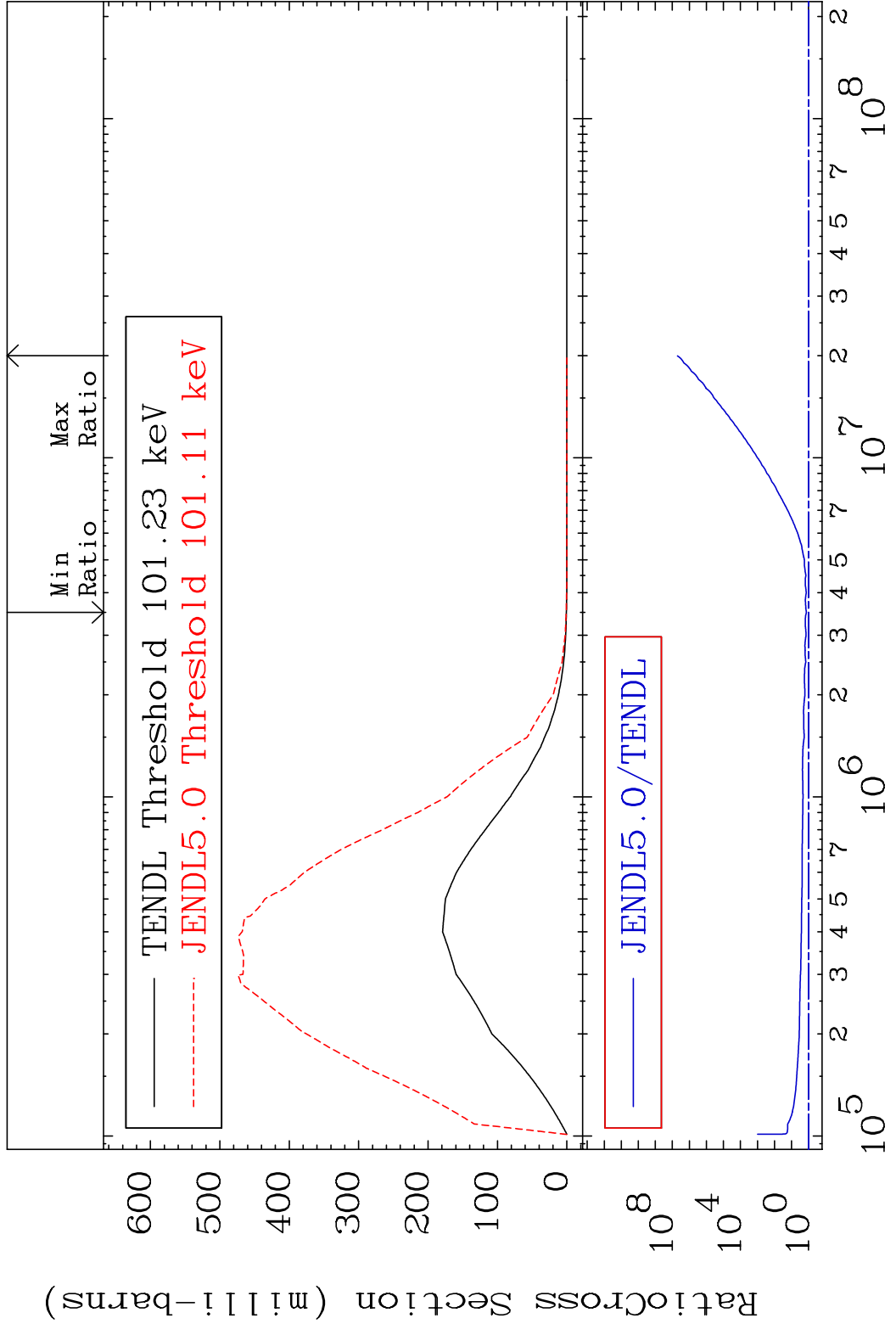
14 Incident Energy (eV) 73-Ta-180m

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



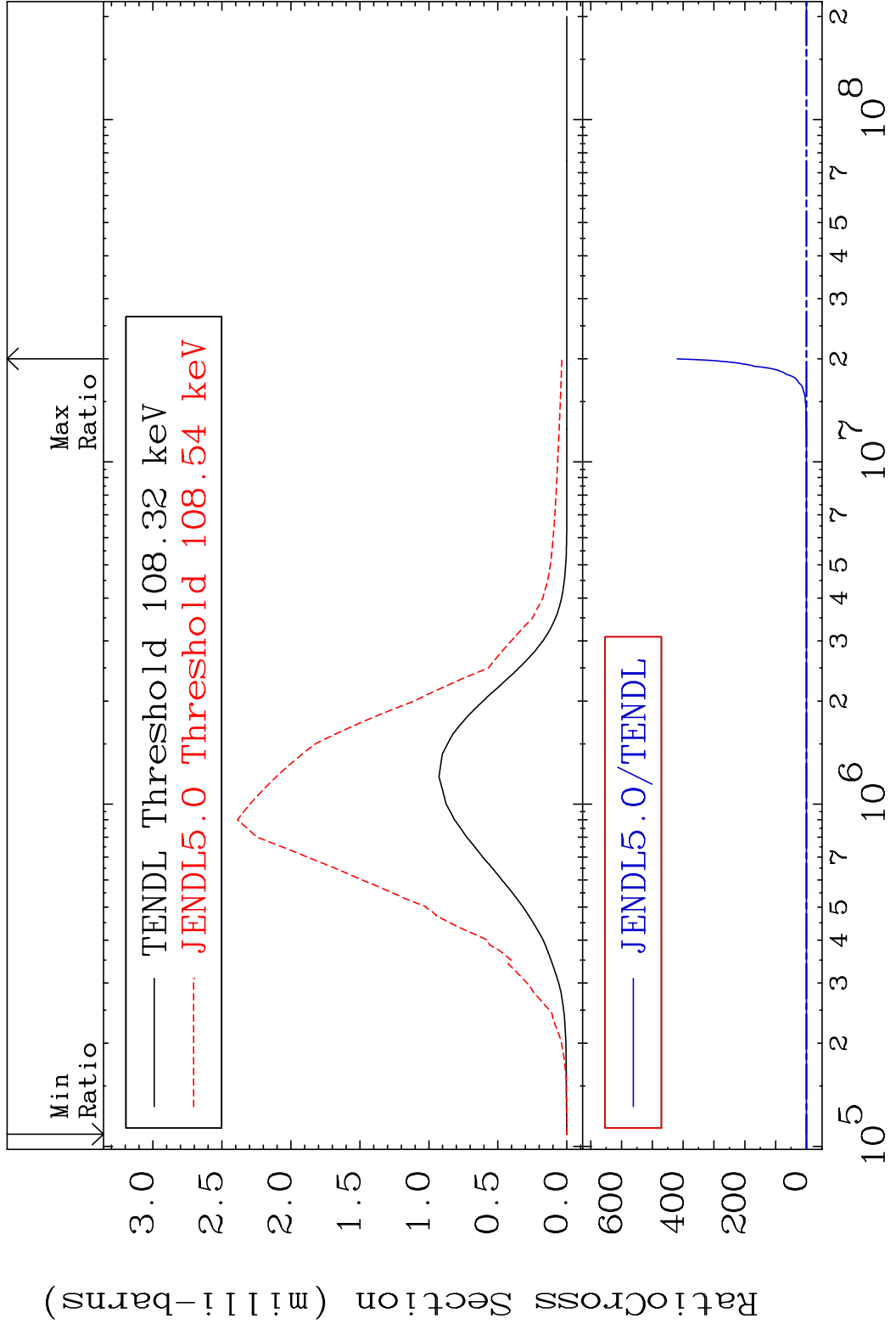
15 73-Ta-180m

MAT 7326 MT= 57 (n, n') Level 73-Ta-180m
 Cross Section 33.18 To 9999. %



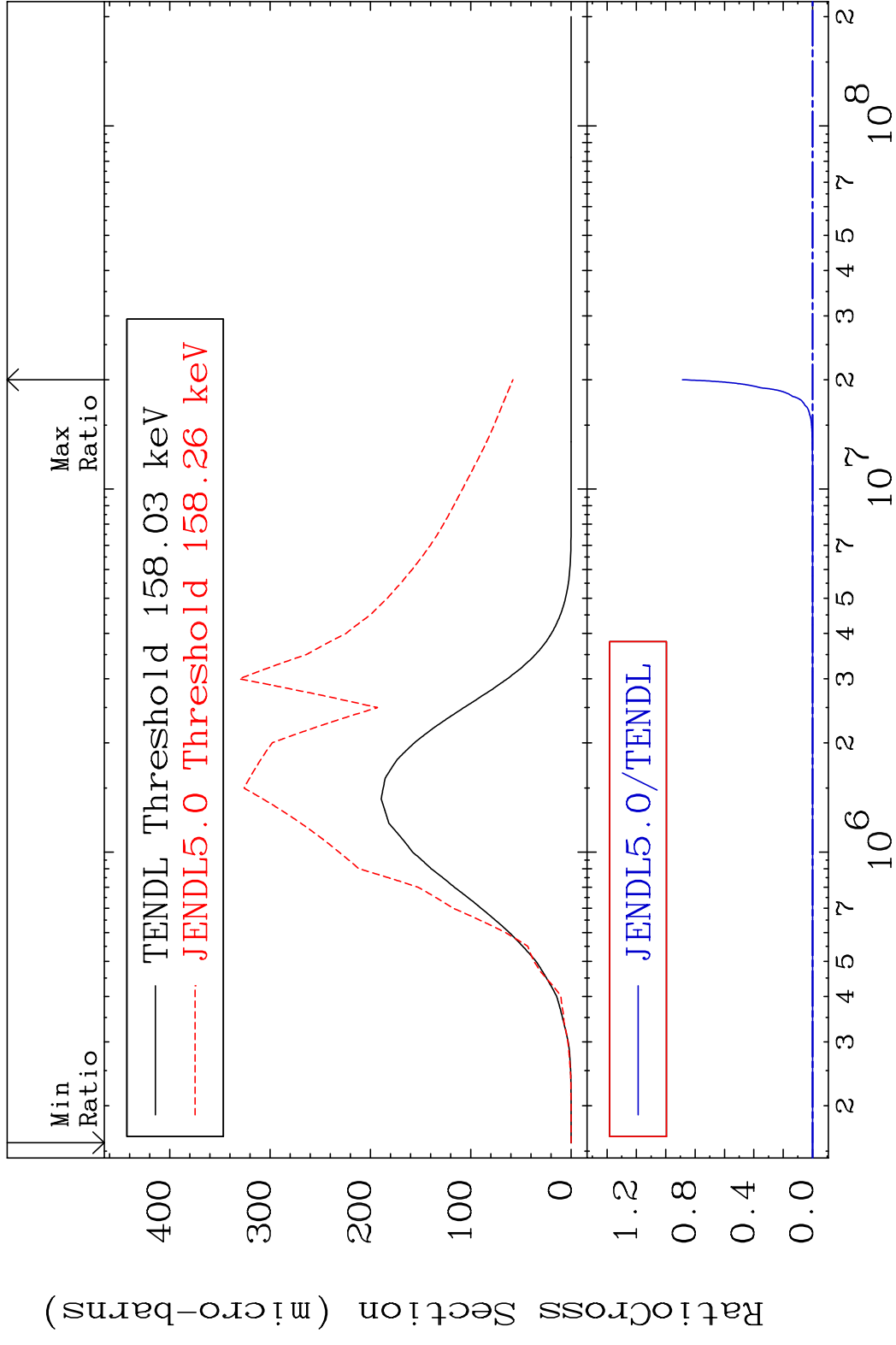
16 Incident Energy (eV) 73-Ta-180m

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

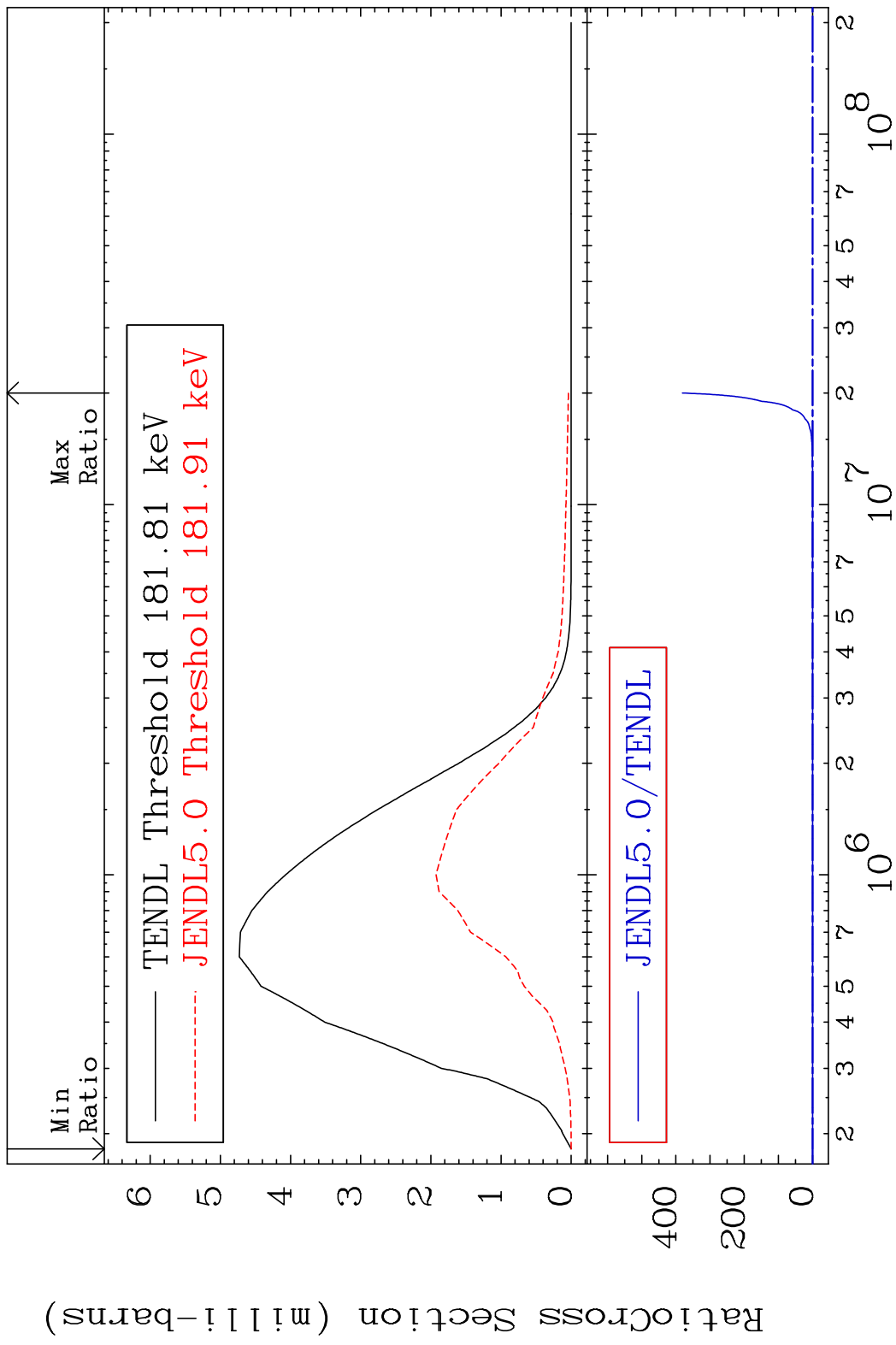


17 Incident Energy (eV) 73-Ta-180m

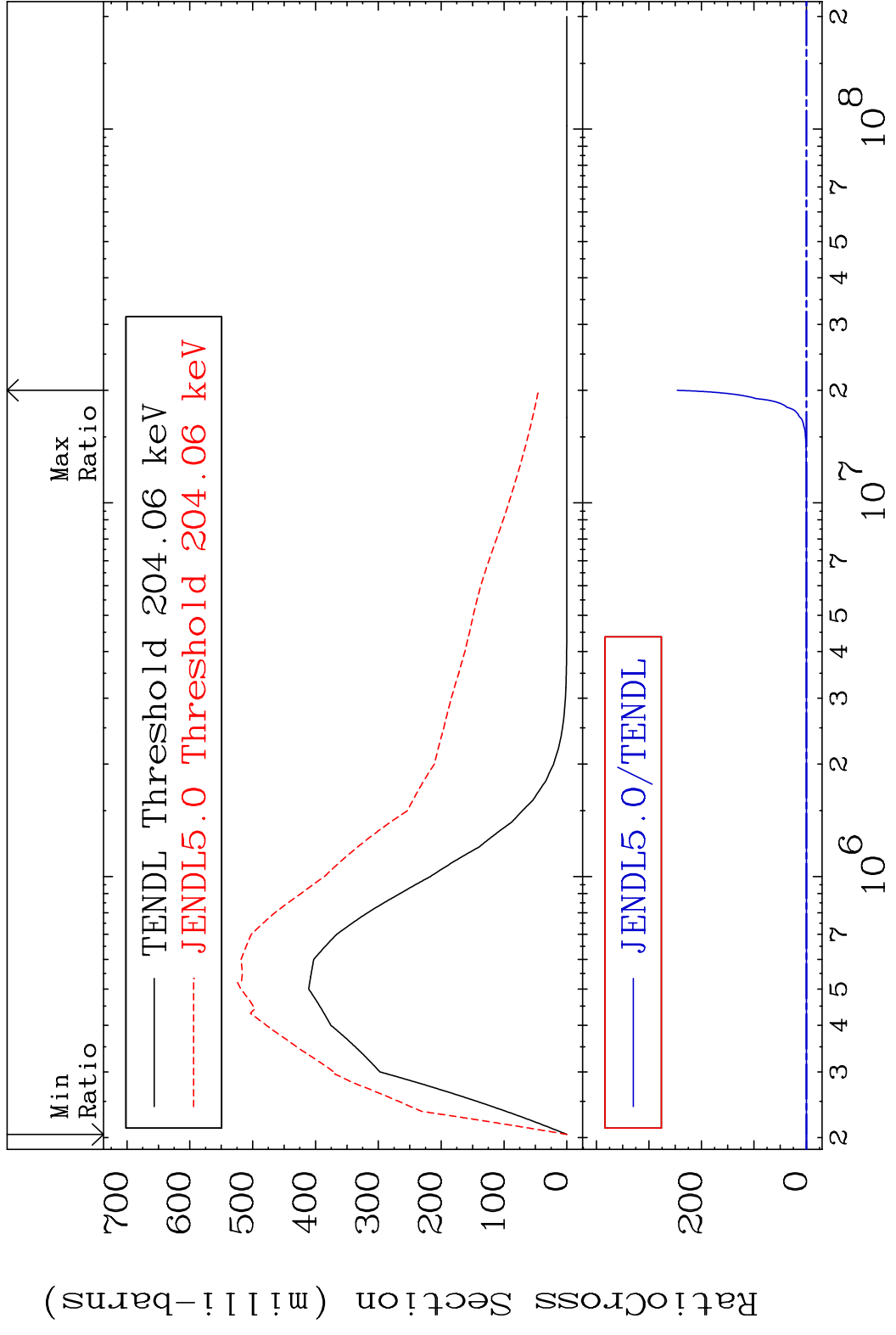
MAT 7326 MT= 59 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



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

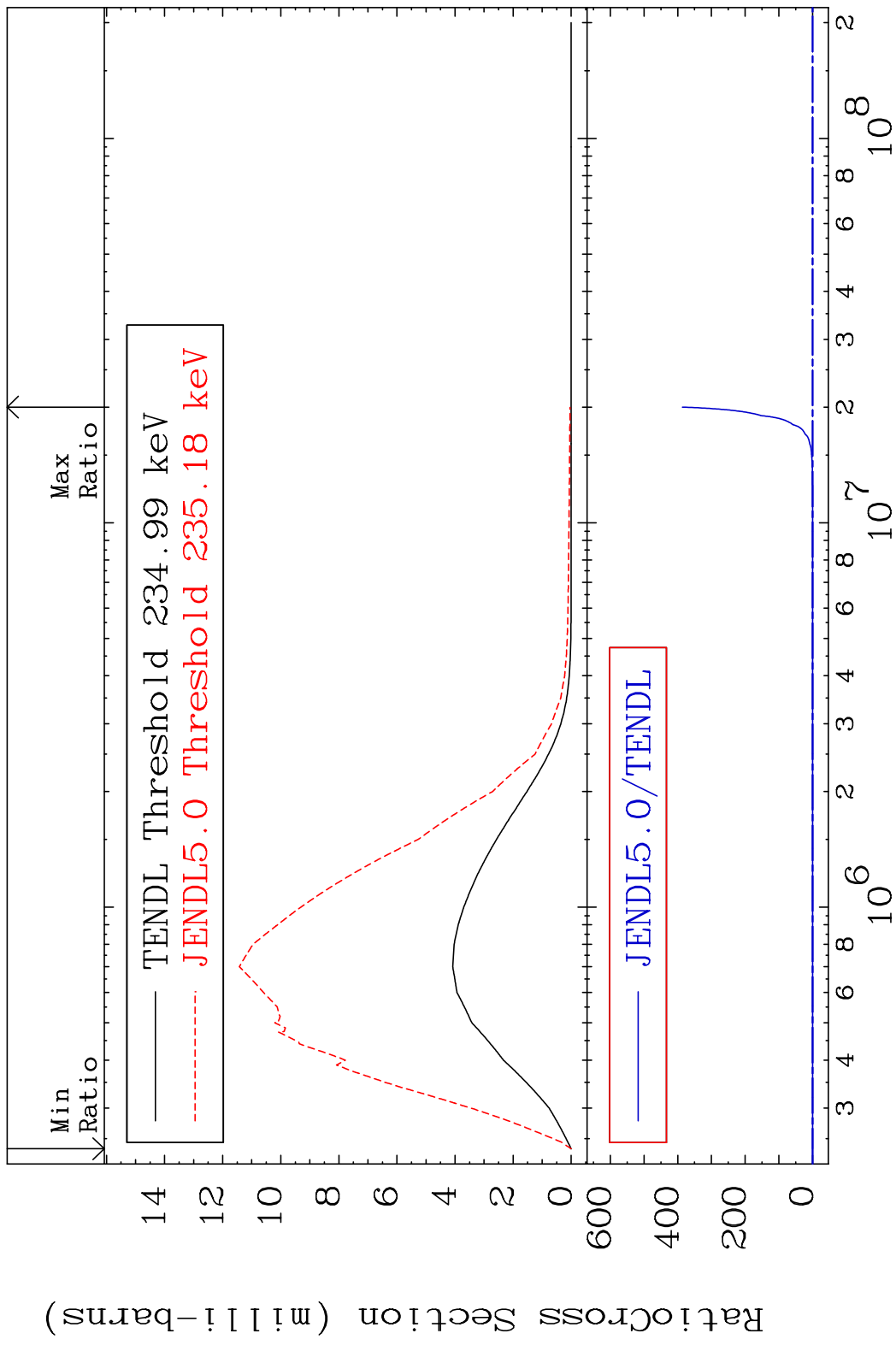


MAT 7326 MT= 61 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %

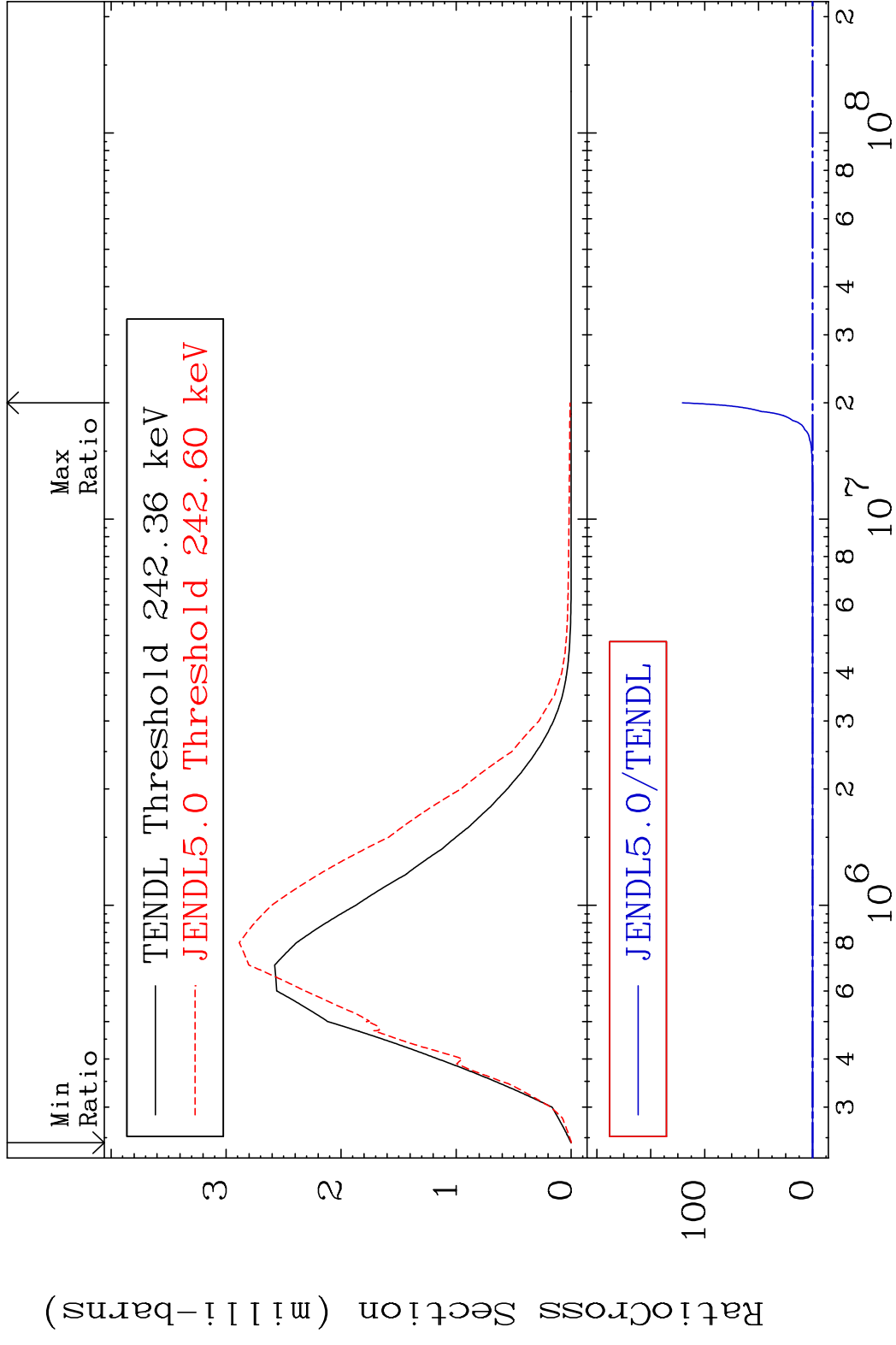


20 Incident Energy (eV) 73-Ta-180m

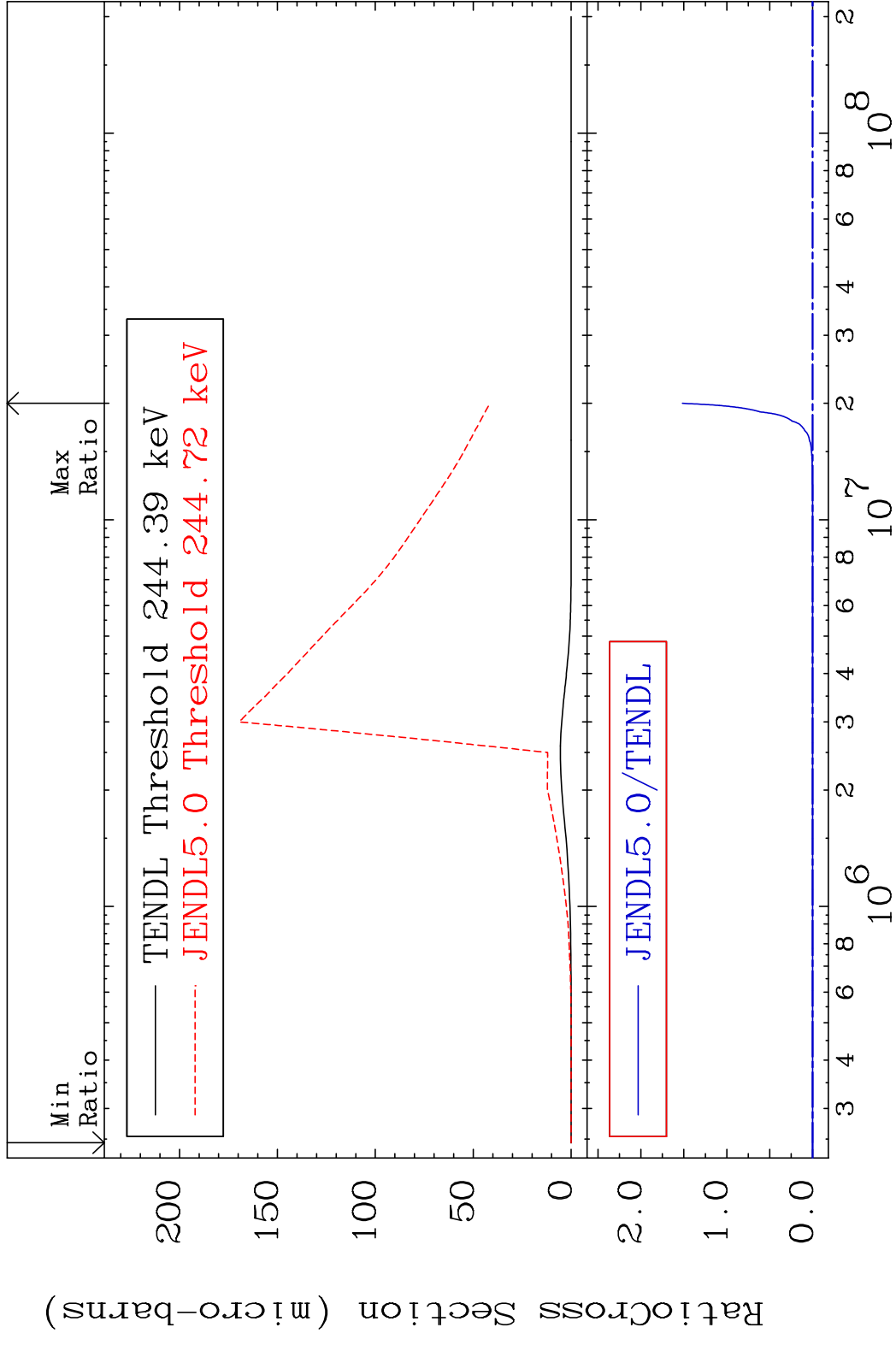
MAT 7326 MT= 62 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



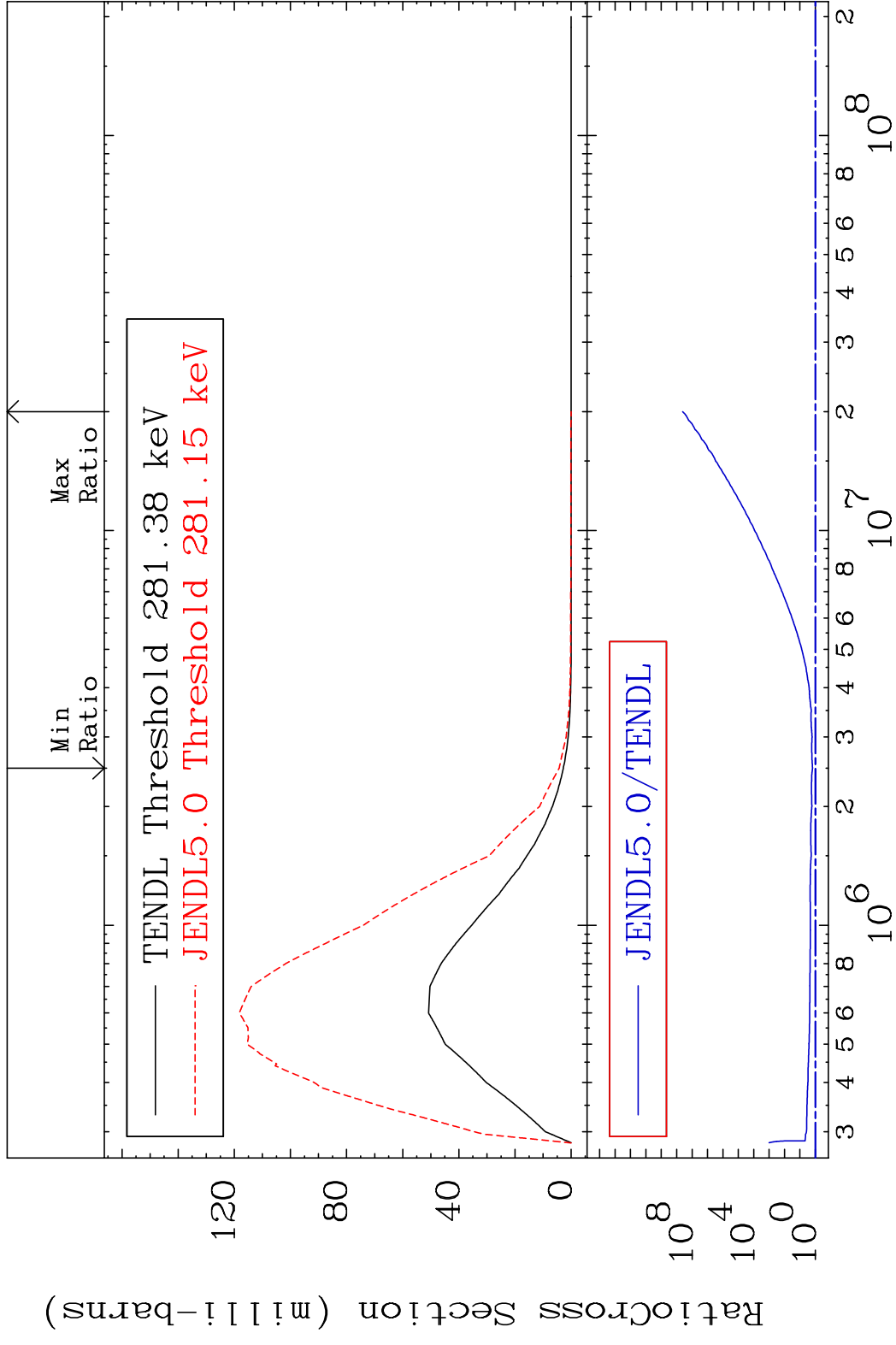
MAT 7326 MT= 63 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



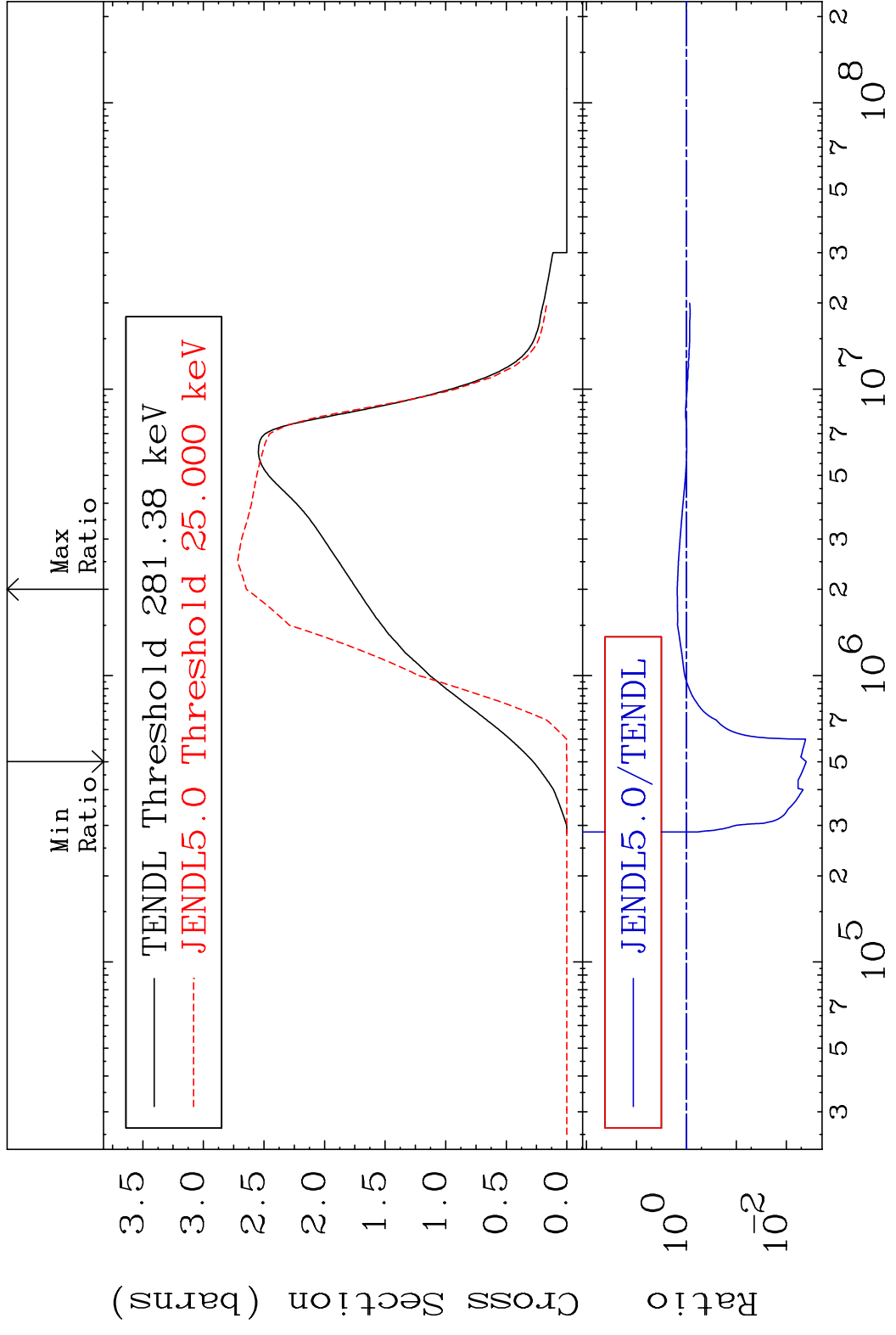
MAT 7326 MT= 64 (n, n') Level 73-Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 65 (n,n') Level 73-Ta-180m
 Cross Section 51.59 To 9999. %



MAT 7326 (n, n') Continuum 73-Ta-180m
 Cross Section -99.61 To 52.63 %

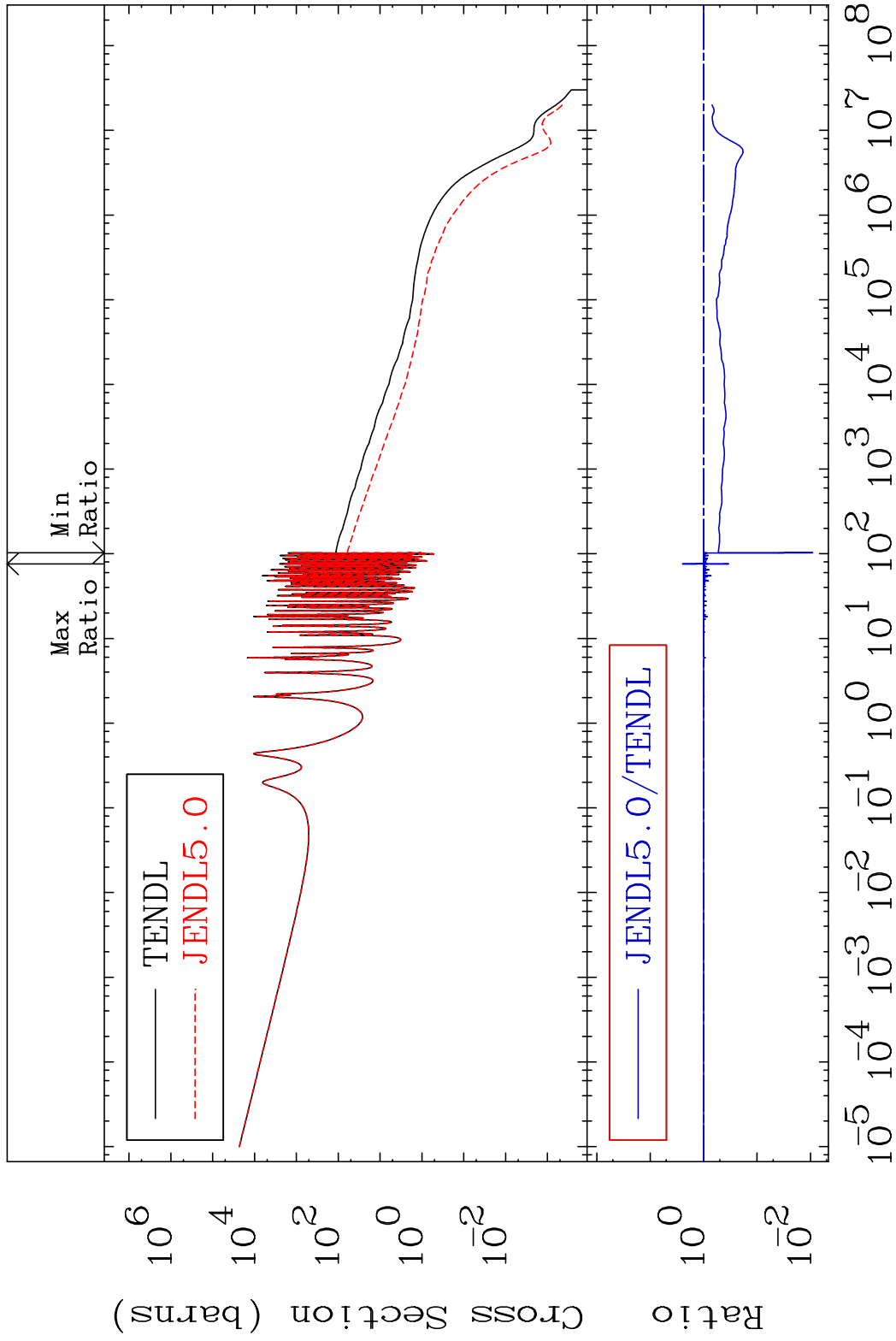


MAT 7326

(n, γ)

73-Ta-180m

Cross Section -99.09 To 150.3 %



26

Incident Energy (eV)

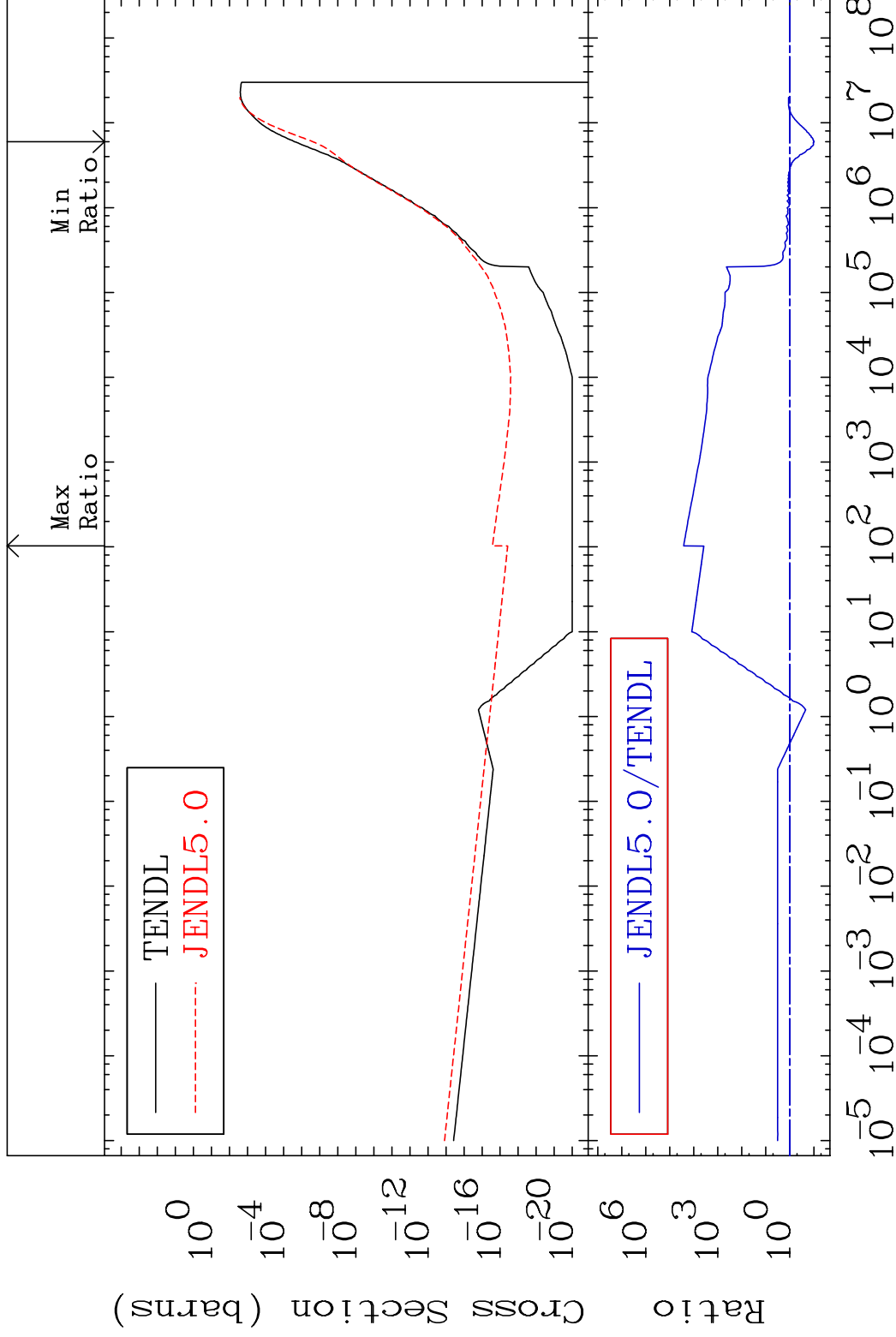
73-Ta-180m

MAT 7326

(n, p)

73-Ta-180m

Cross Section -90.27 To 9999. %



27

Incident Energy (eV)

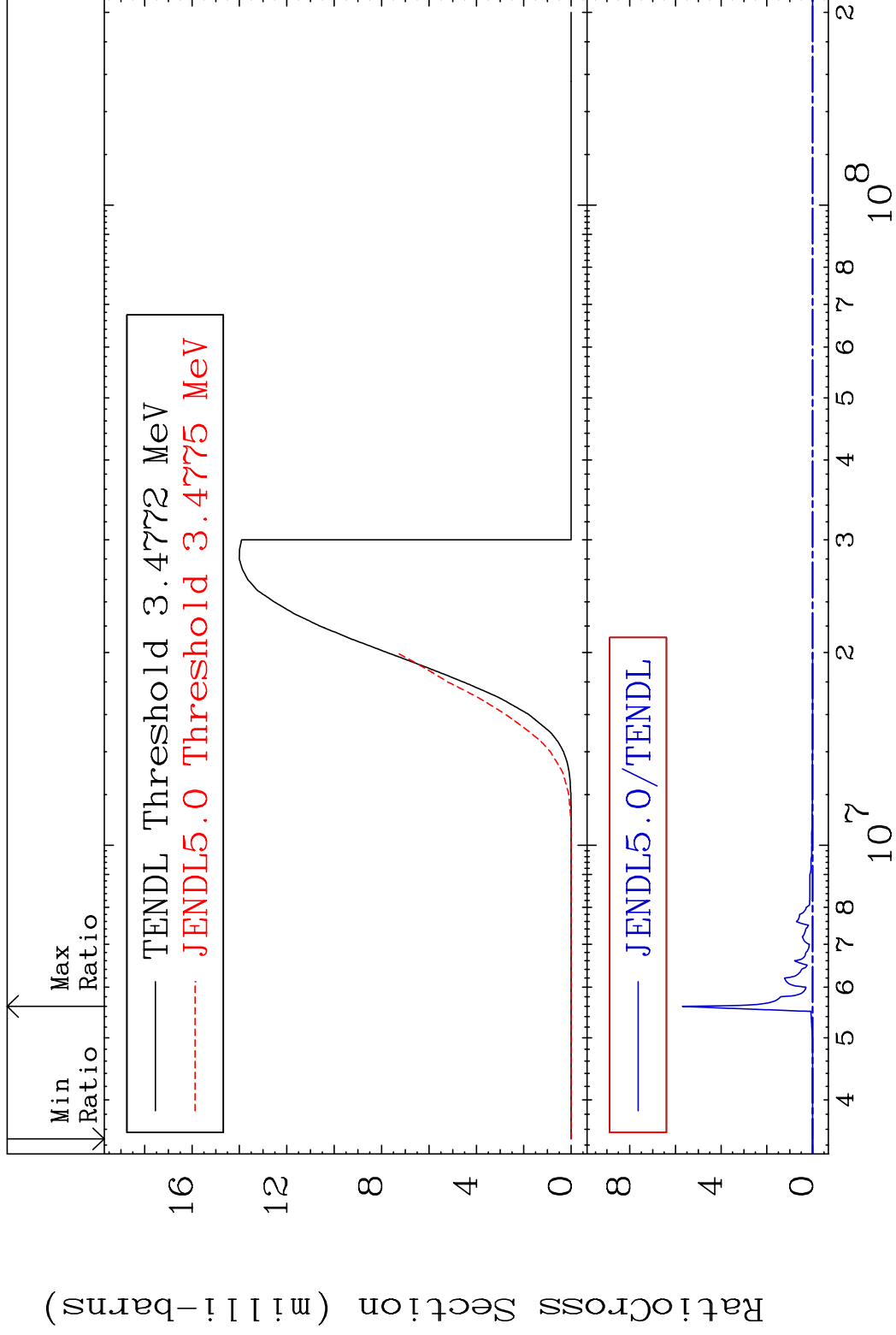
73-Ta-180m

MAT 7326

(n,d)

73-Ta-180m

Cross Section -100.0 To 9999. %

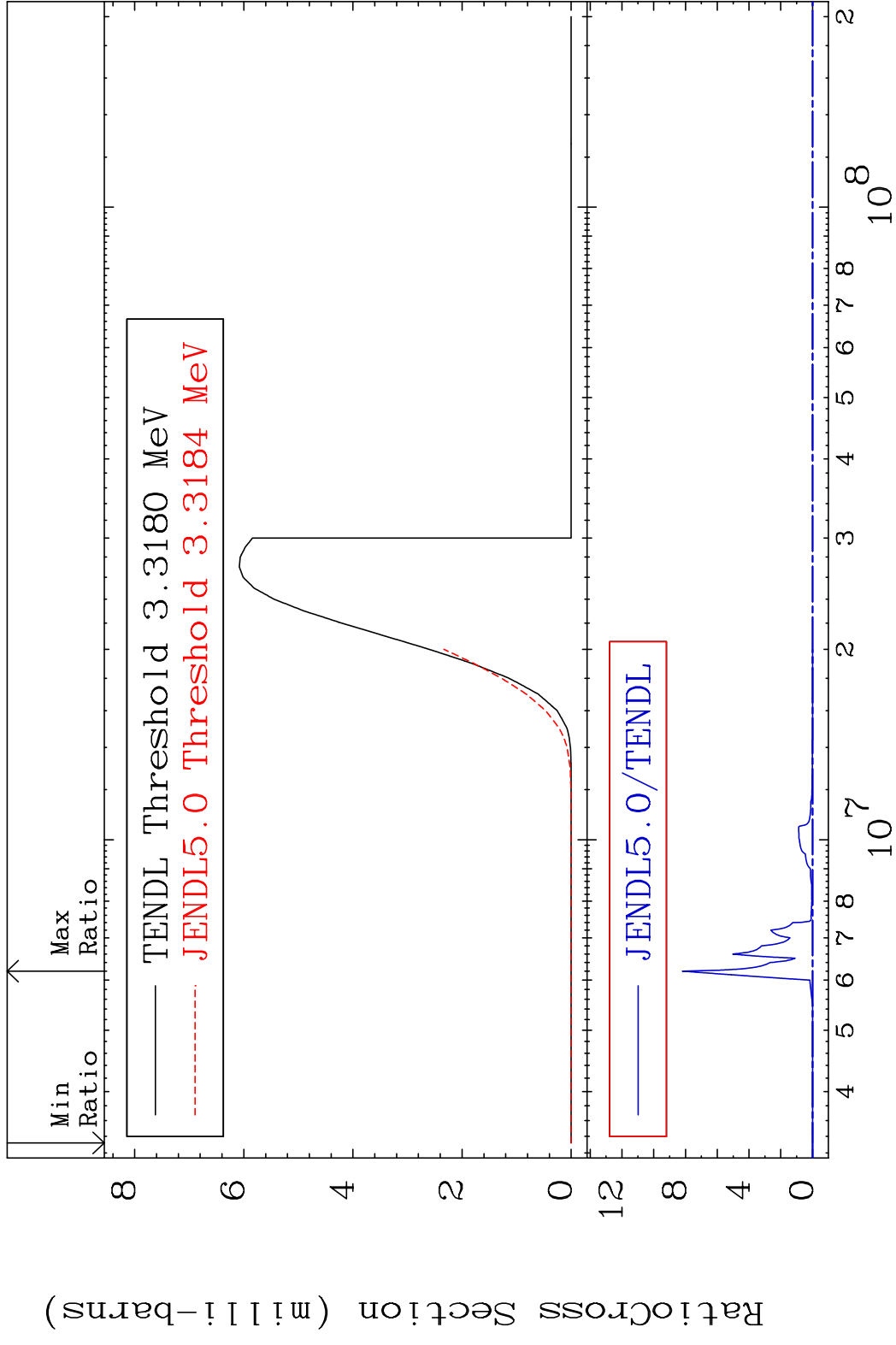


28

Incident Energy (eV)

73-Ta-180m

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

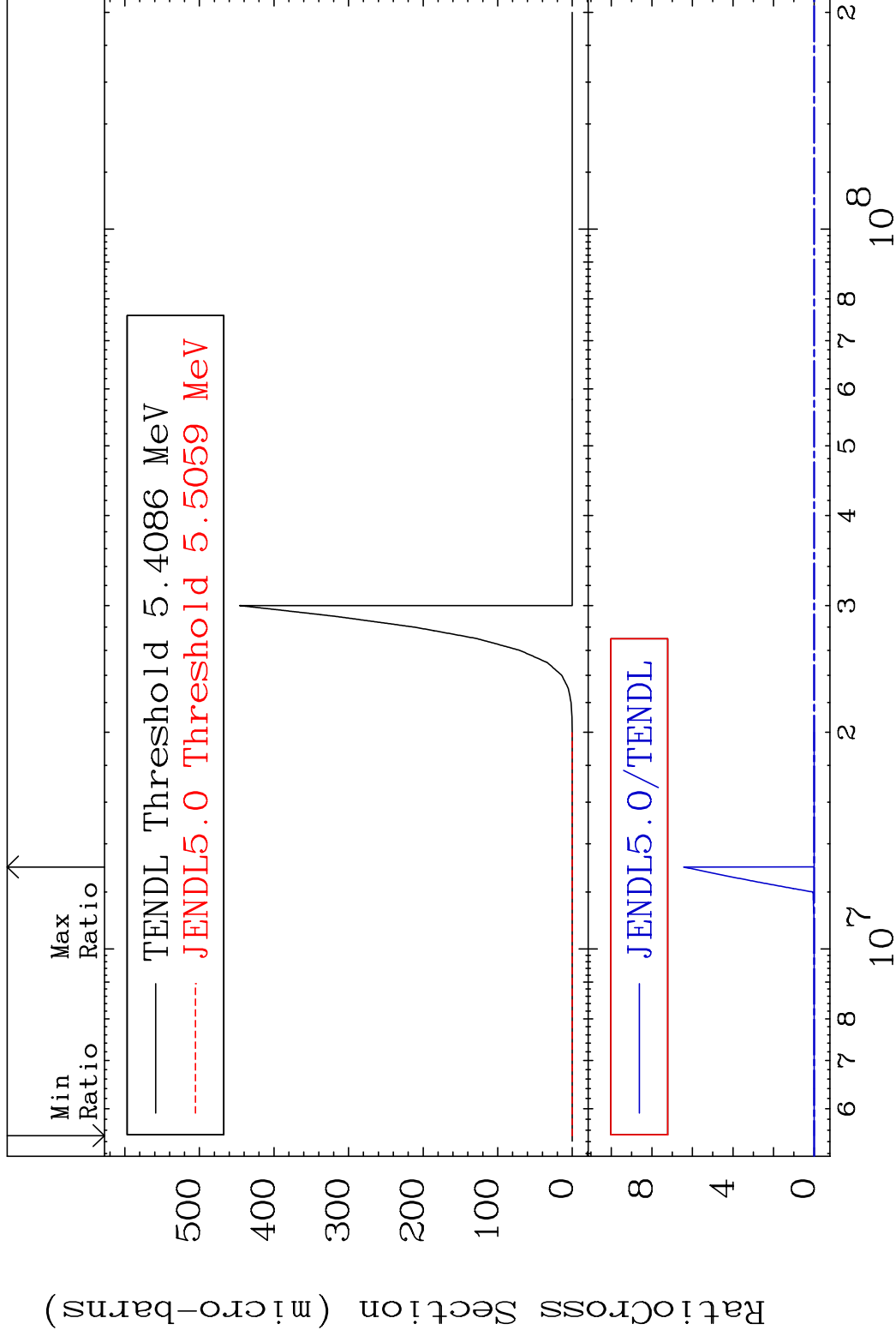


MAT 7326

(n, He-3)

73-Ta-180m

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

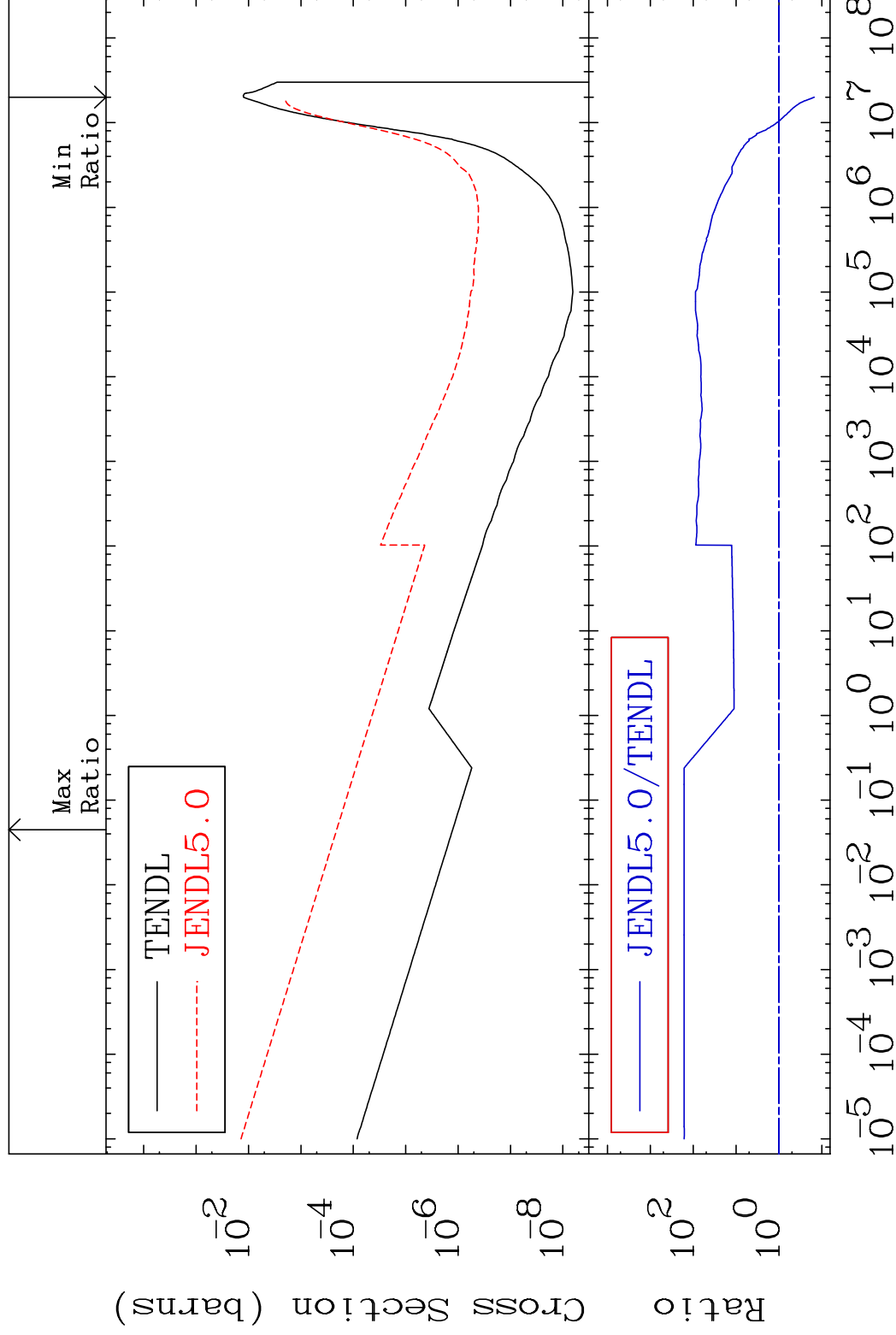
73-Ta-180m

MAT 7326

73-Ta-180m

(n, α)

Cross Section -85.00 To 9999. %

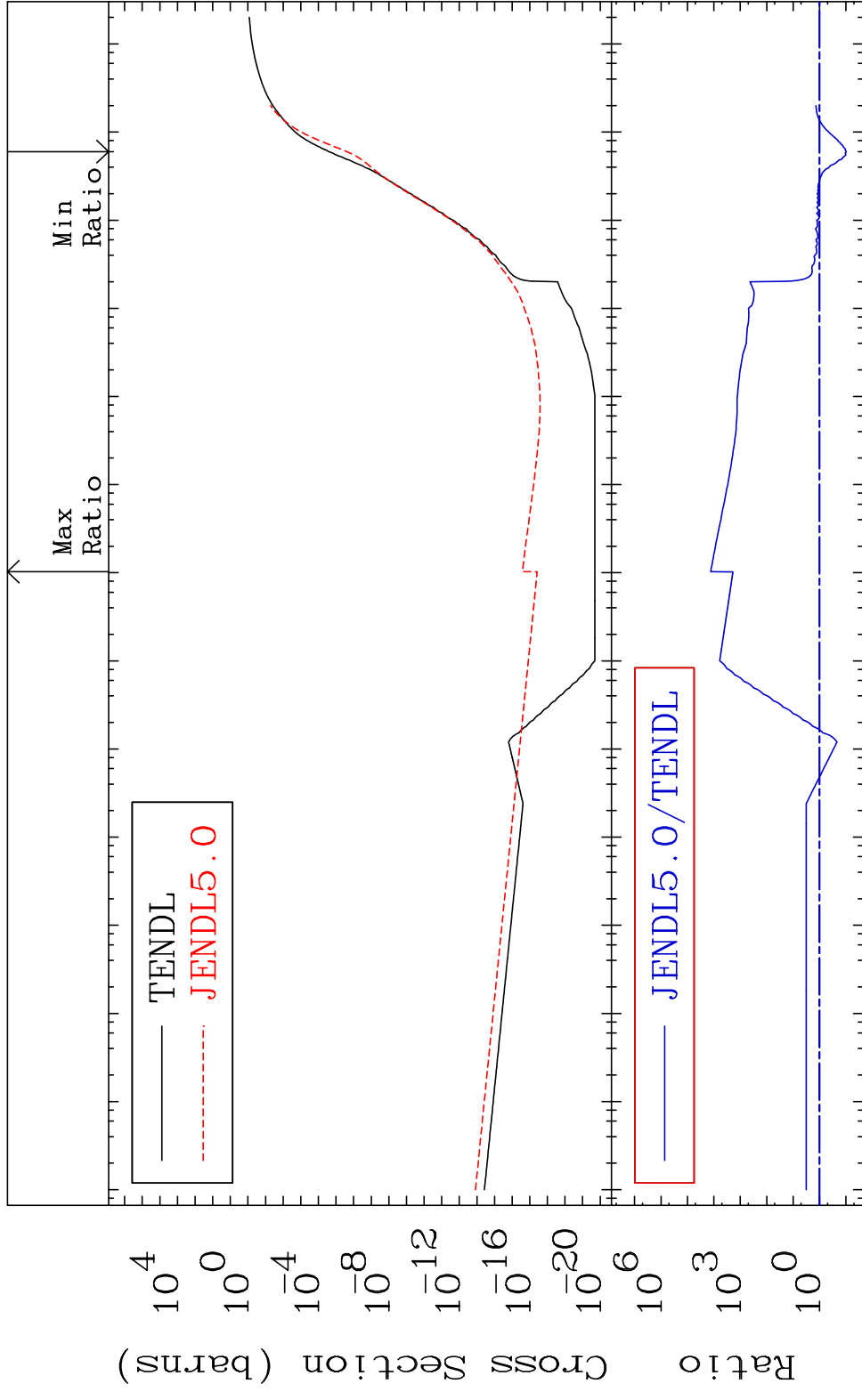


31

Incident Energy (eV)

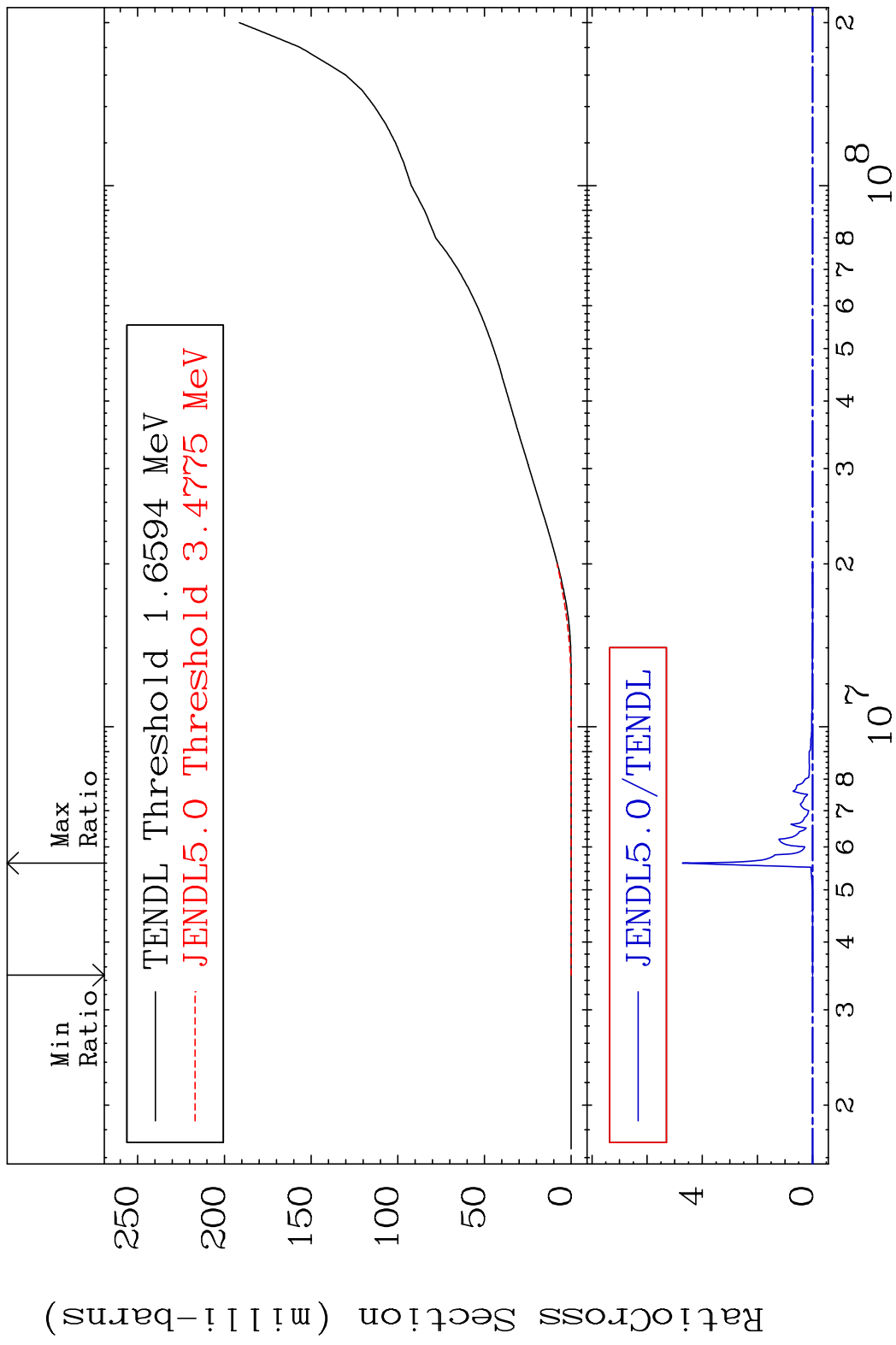
73-Ta-180m

MAT 7326 Hydrogen Production 73-Ta-180m
 Cross Section -90.27 To 9999. %

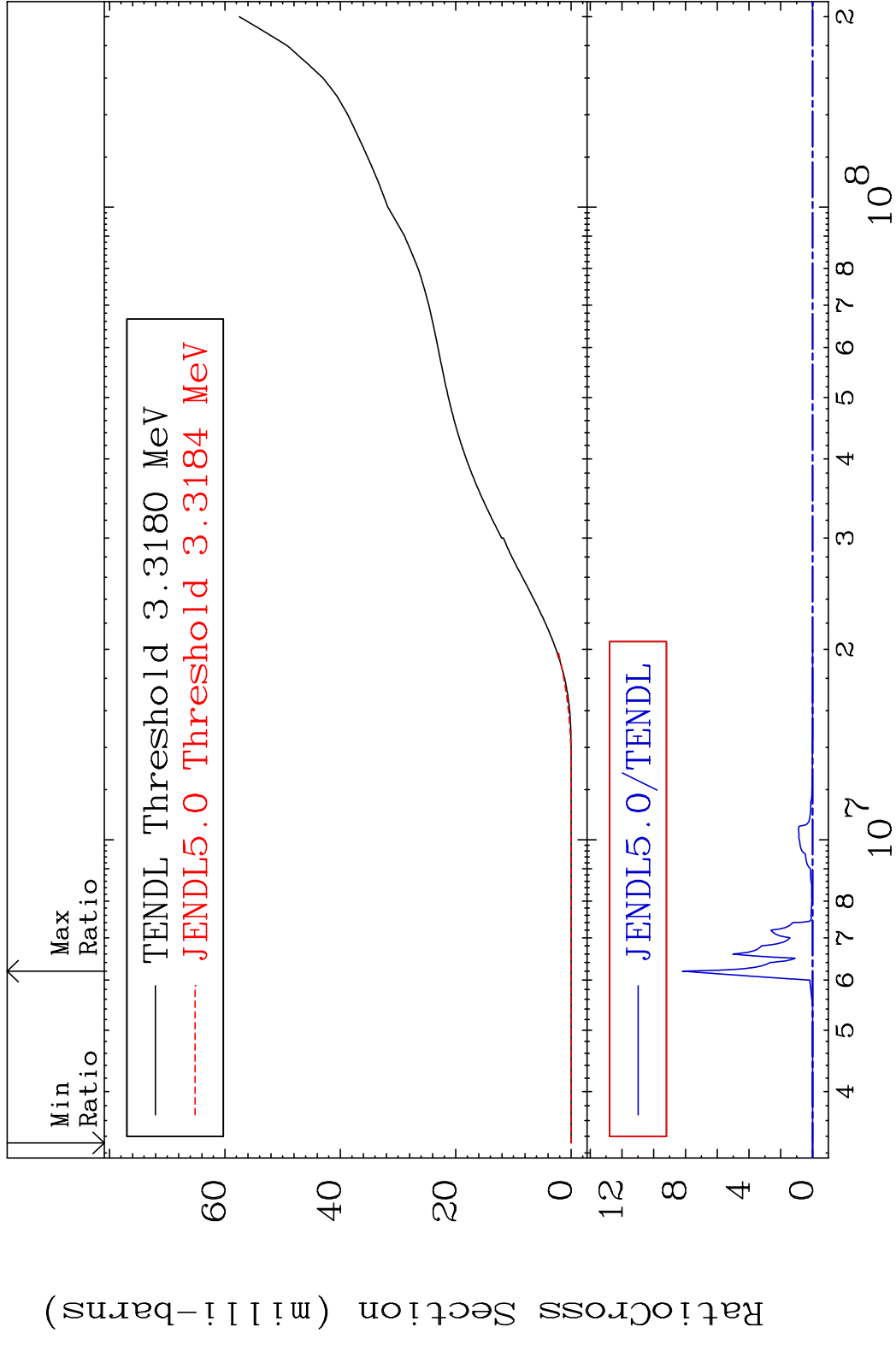


32 Incident Energy (eV) 73-Ta-180m

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



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

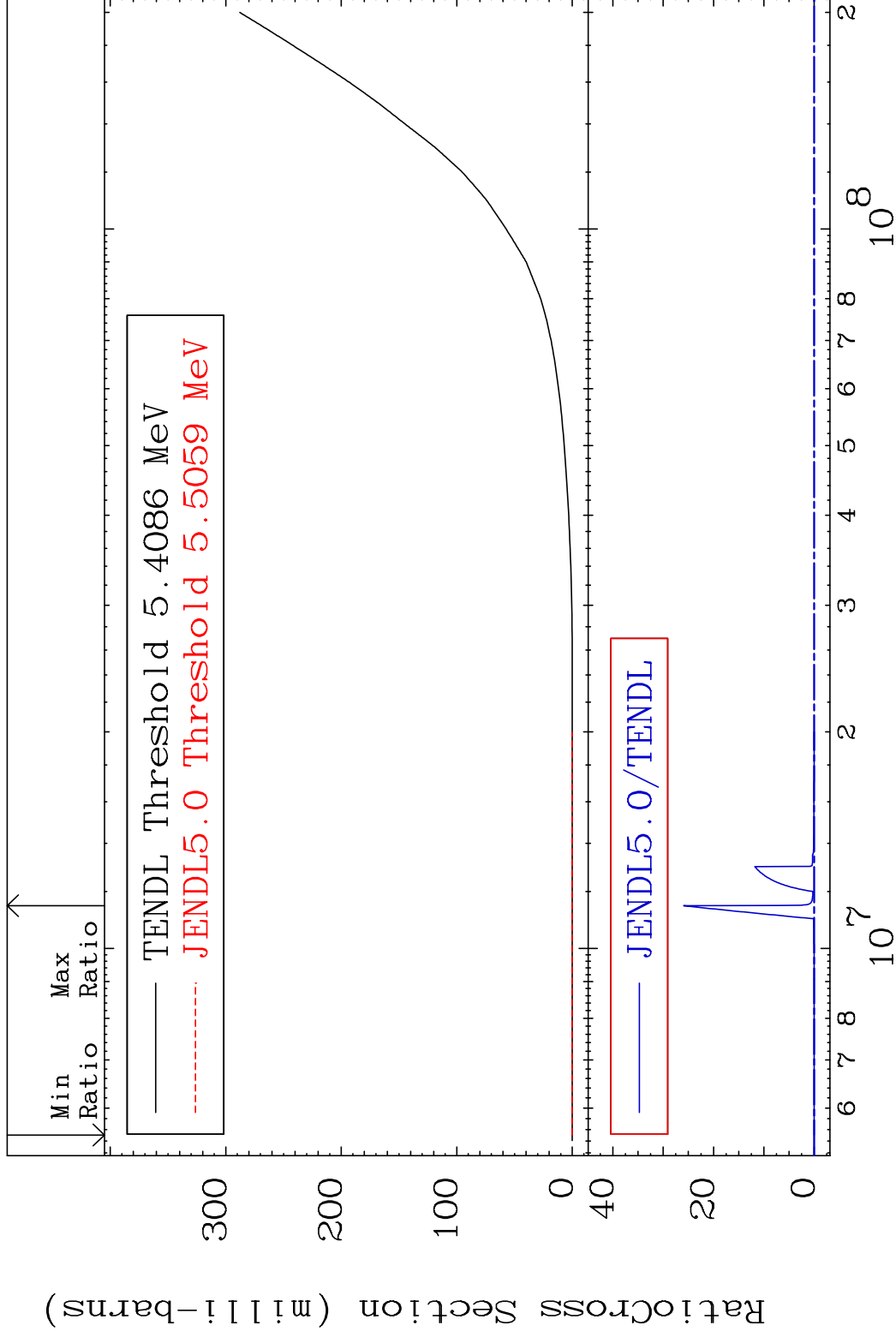


MAT 7326

He-3 Production

73-Ta-180m

Cross Section -100.0 To 9999. %

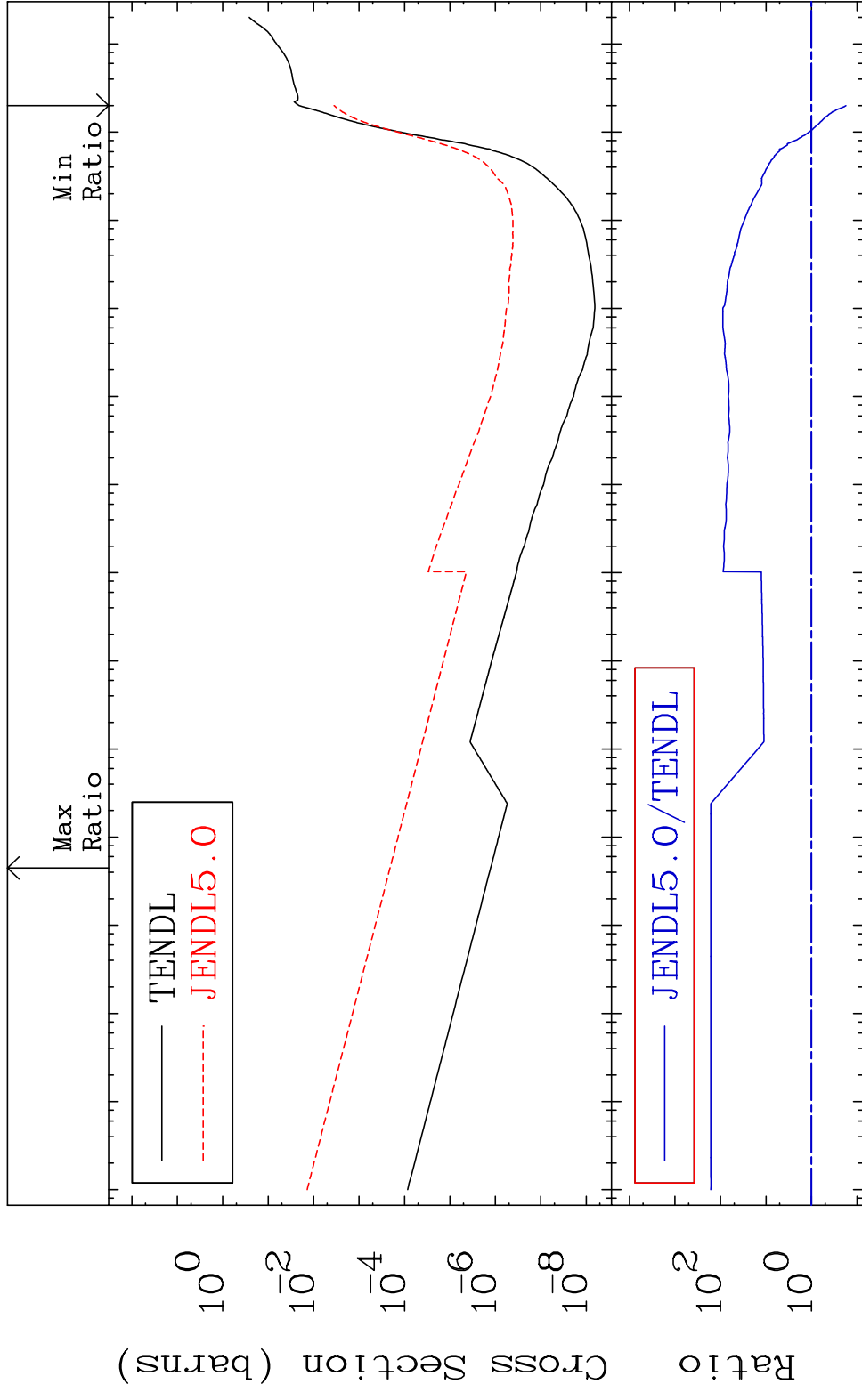


35

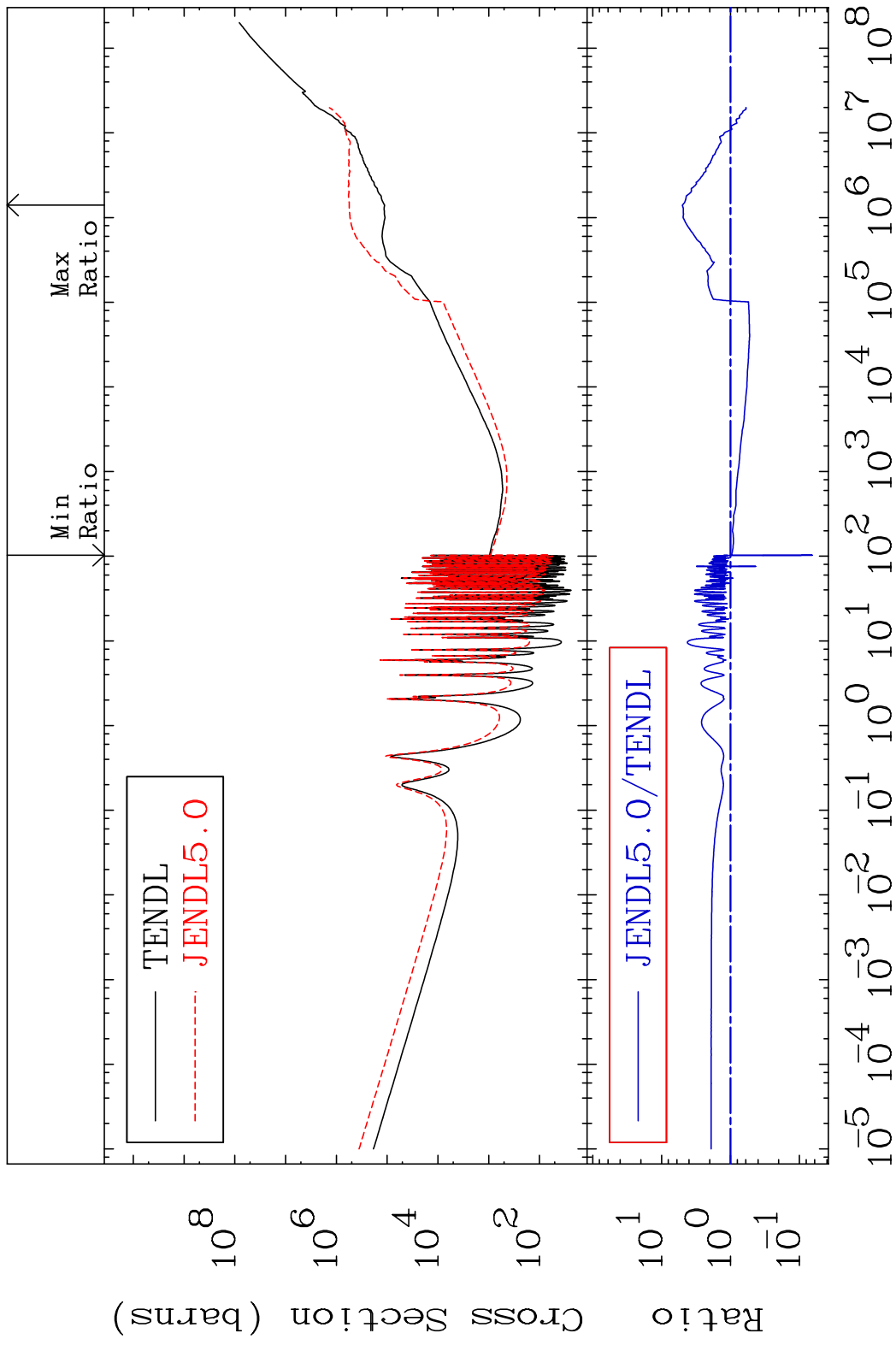
Incident Energy (eV)

73-Ta-180m

MAT 7326 He-4 Production 73-Ta-180m
 Cross Section -82.83 To 9999. %



MAT 7326 Kerma total (eV-barns) 73-Ta-180m
 Cross Section -93.54 To 401.0 %

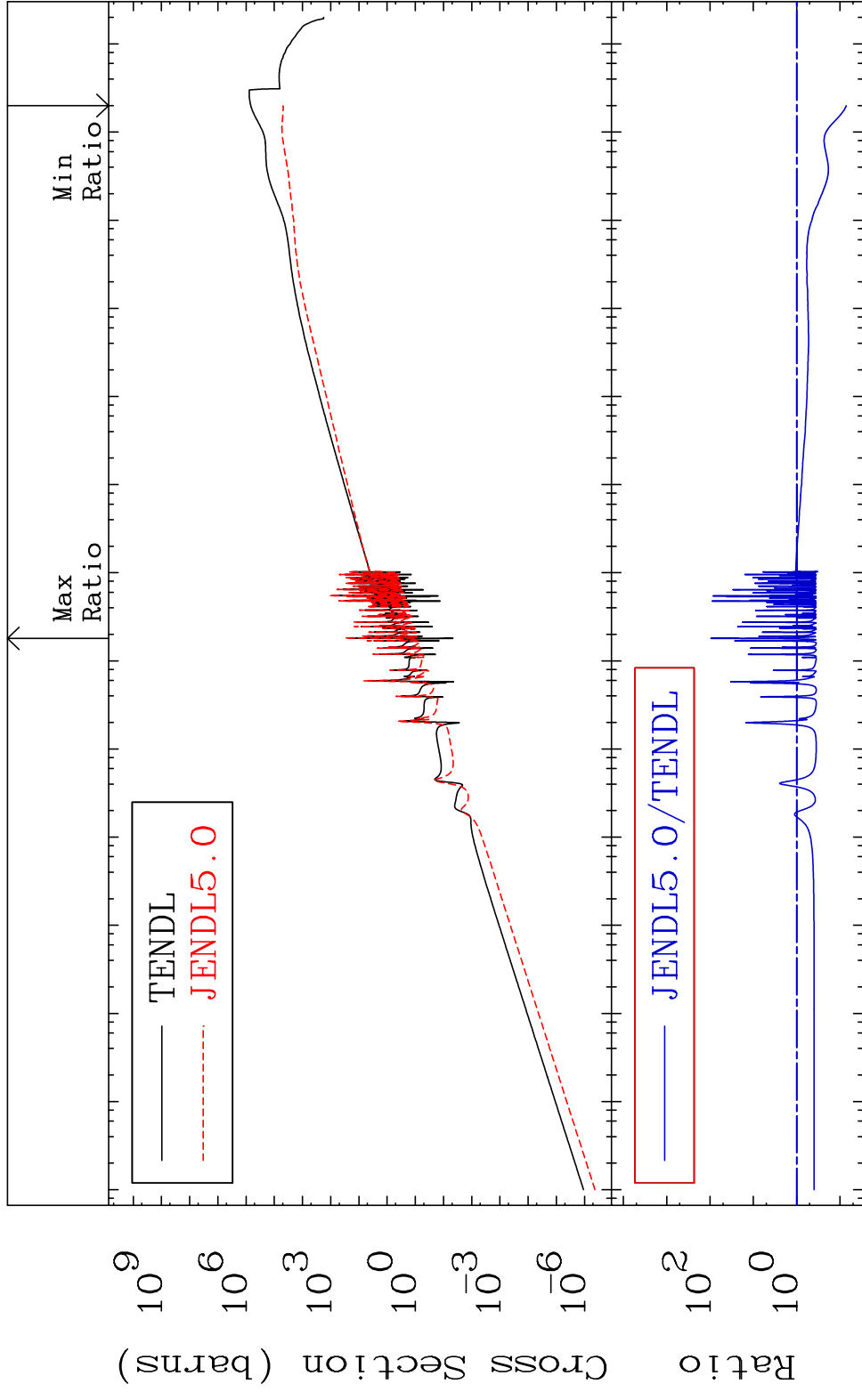


37 Incident Energy (eV) 73-Ta-180m

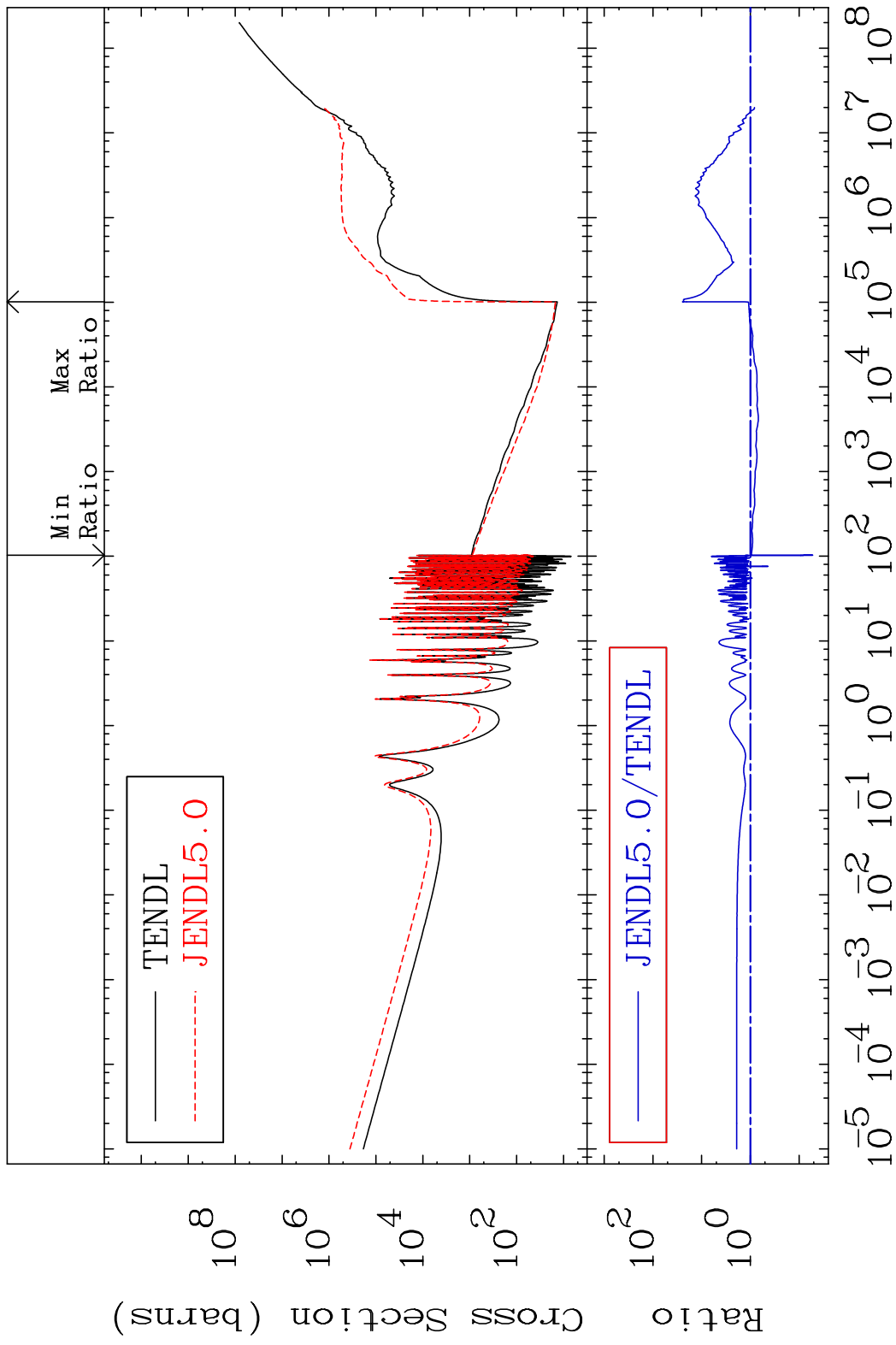
MAT 7326

Kerma elastic
Cross Section -92.88 To 9531. %

73-Ta-180m

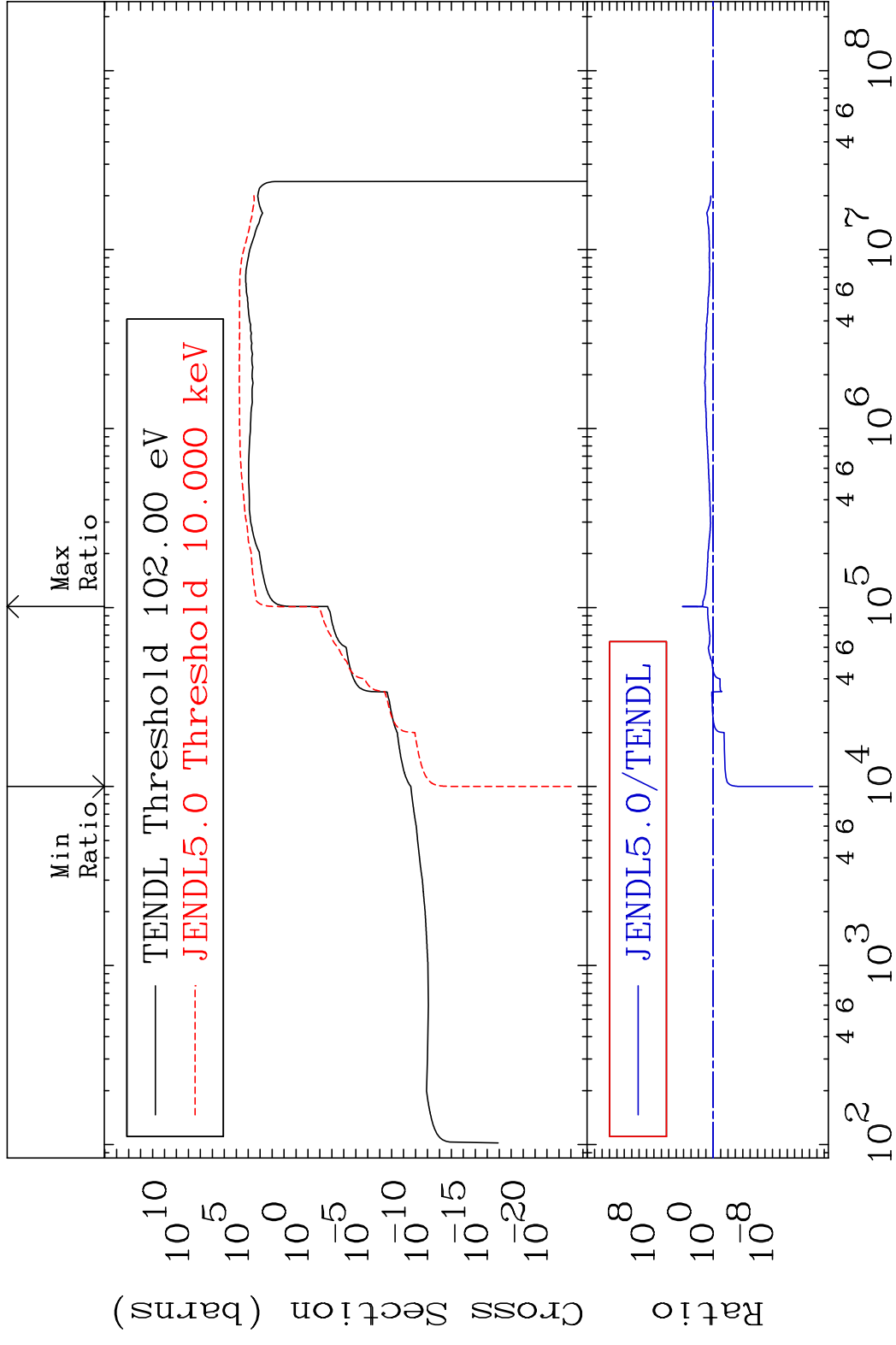


MAT 7326 Kerma non-elastic (all but mt2) 73-Ta-180m
 Cross Section -94.71 To 2390. %



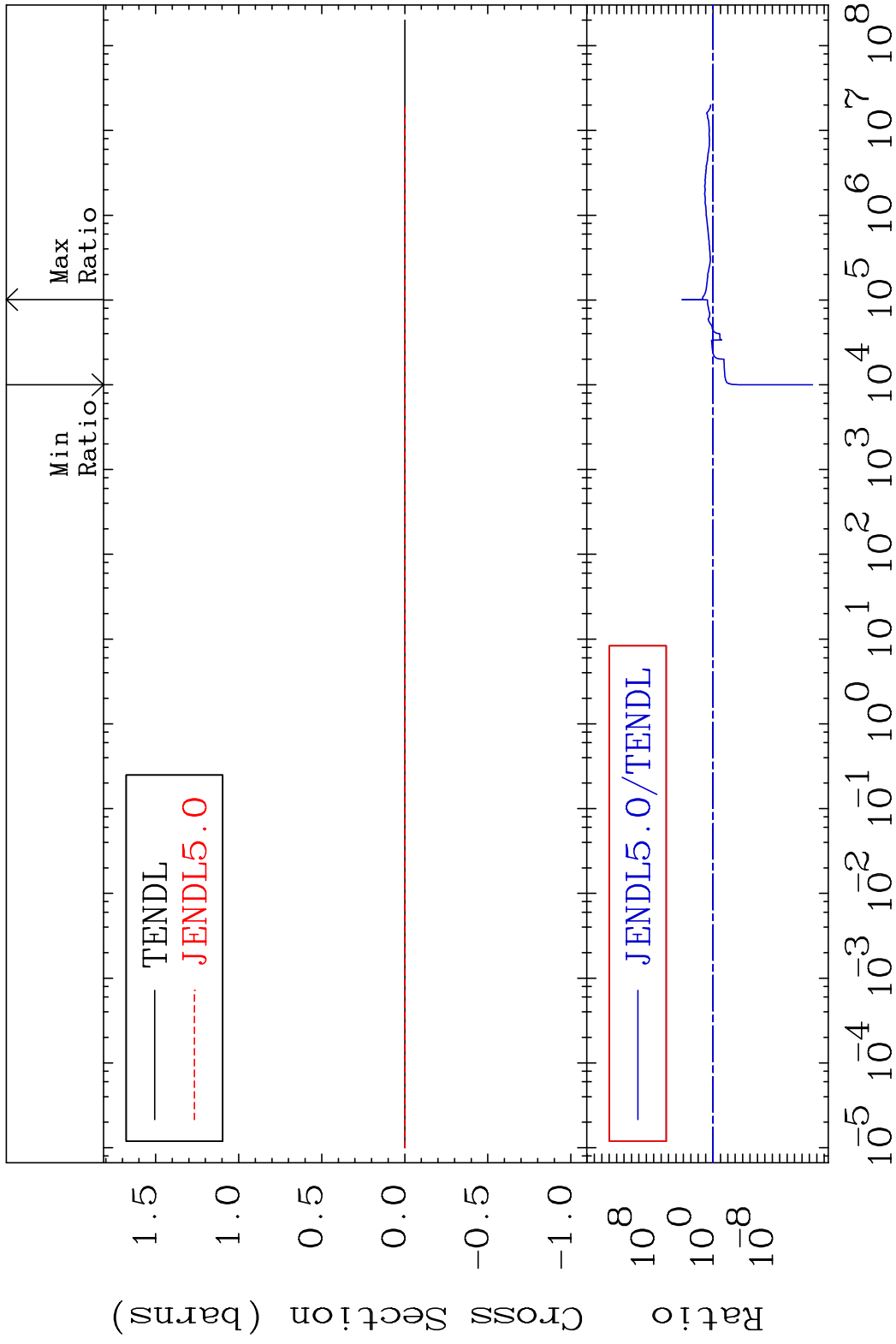
39 Incident Energy (eV) 73-Ta-180m

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



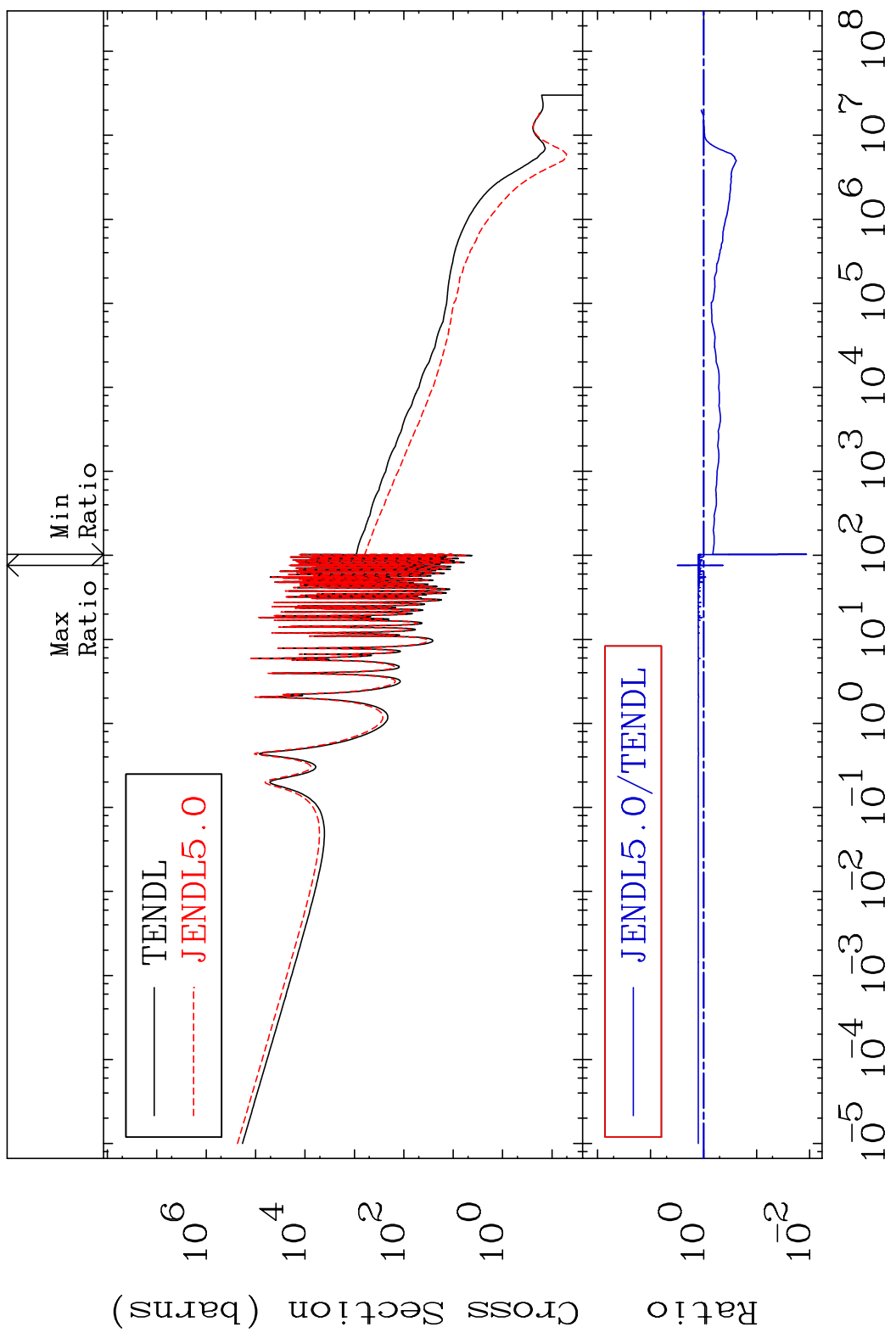
40 Incident Energy (eV) 73-Ta-180m

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



MAT 7326

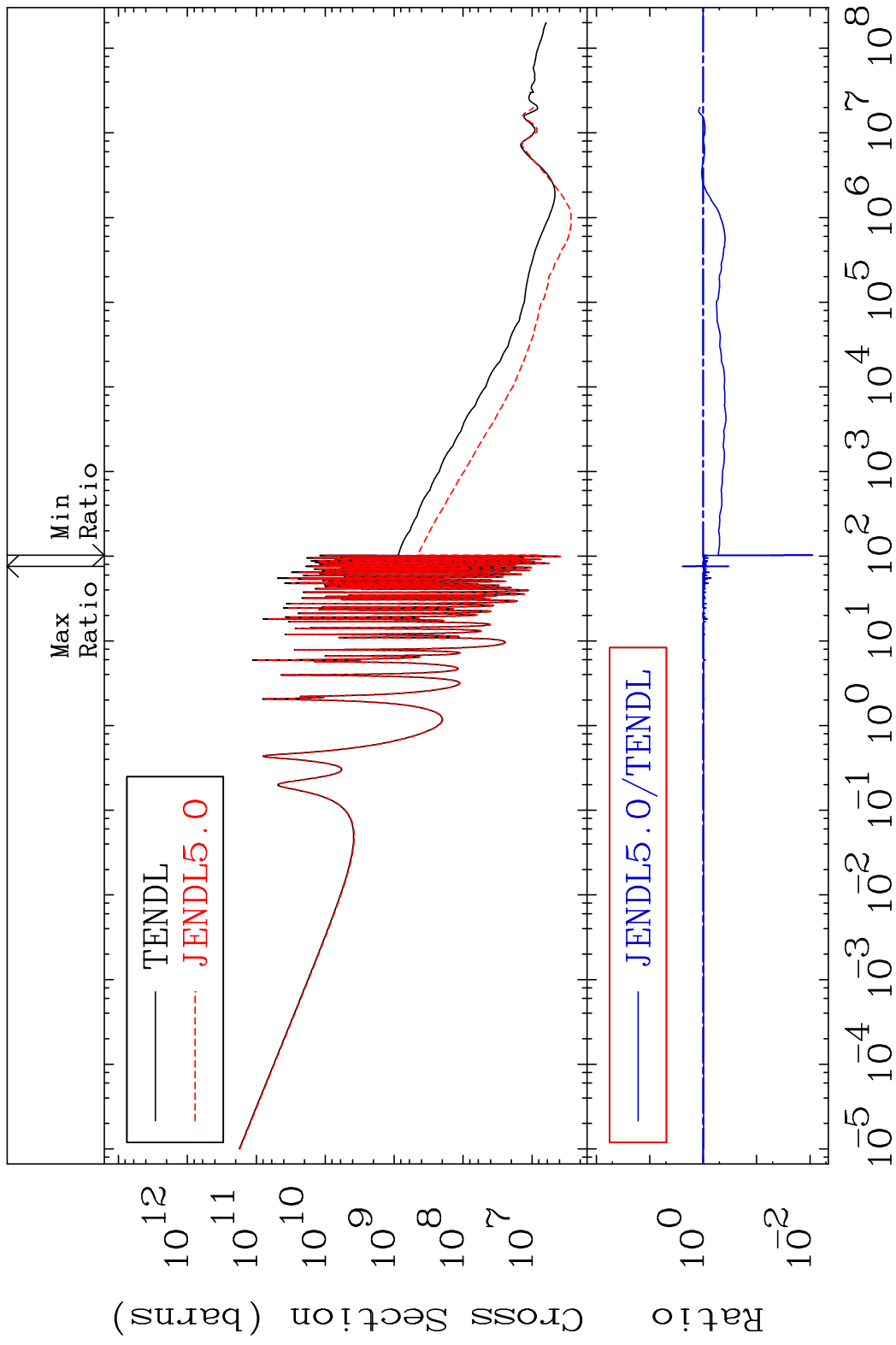
Kerma capture (mt102) 73-Ta-180m
Cross Section -98.85 To 215.1 %



42

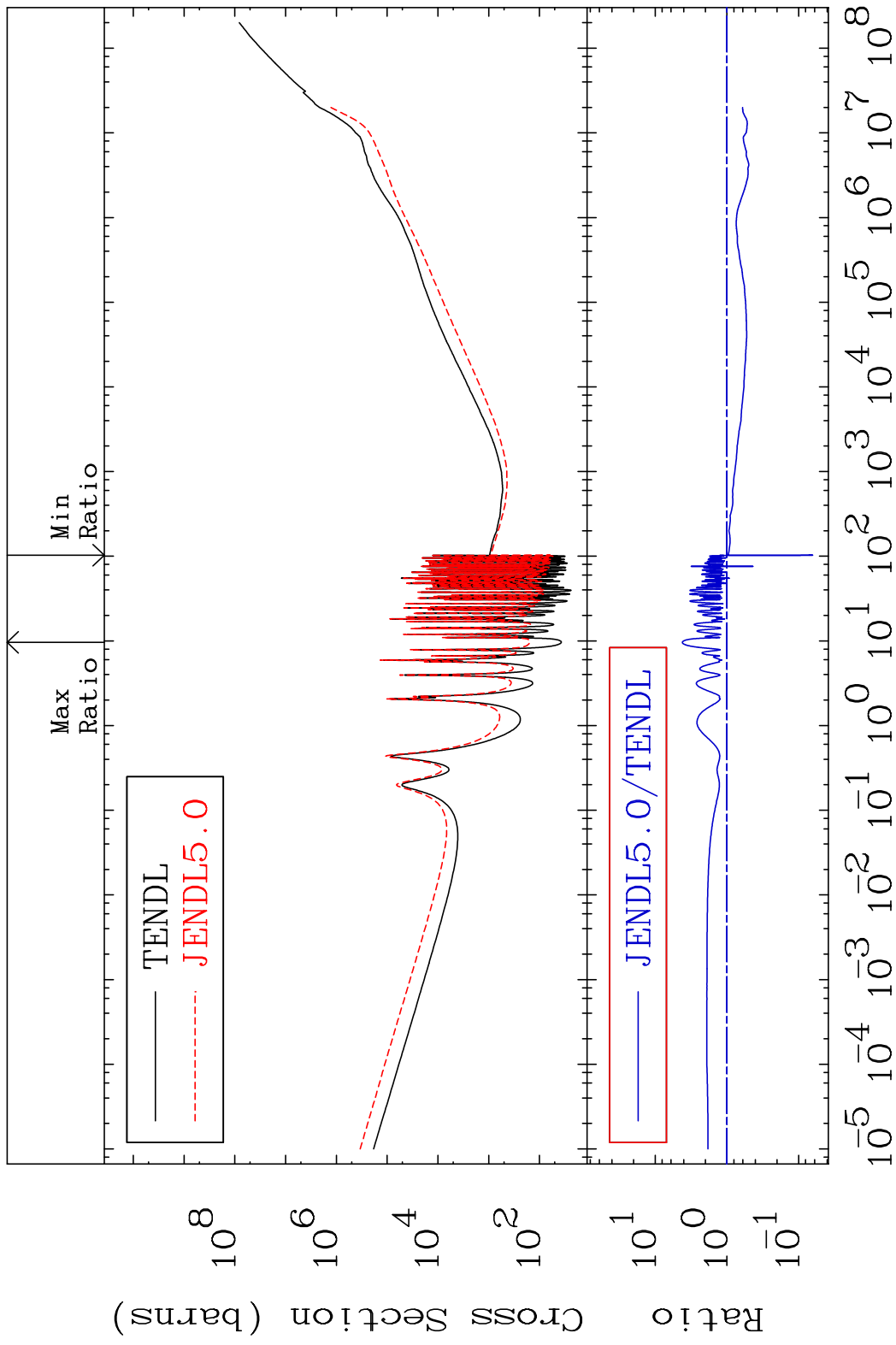
Incident Energy (eV) 73-Ta-180m

MAT 7326 Total photon (eV-barns) 73-Ta-180m
 Cross Section -99.10 To 145.6 %

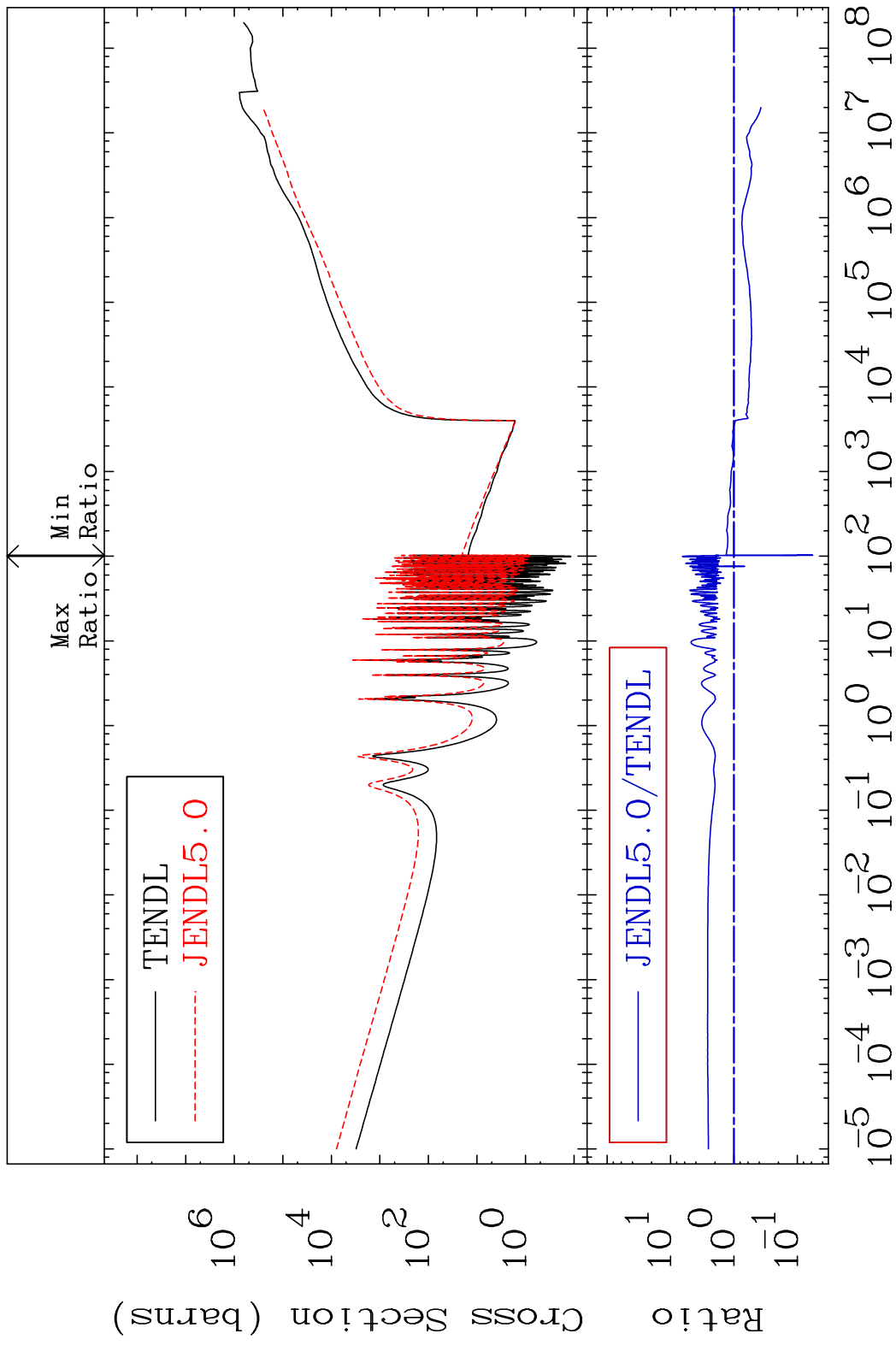


43 Incident Energy (eV) 73-Ta-180m

MAT 7326 Total kinematic kerma (high limit)73-Ta-180m
 Cross Section -93.60 To 317.8 %

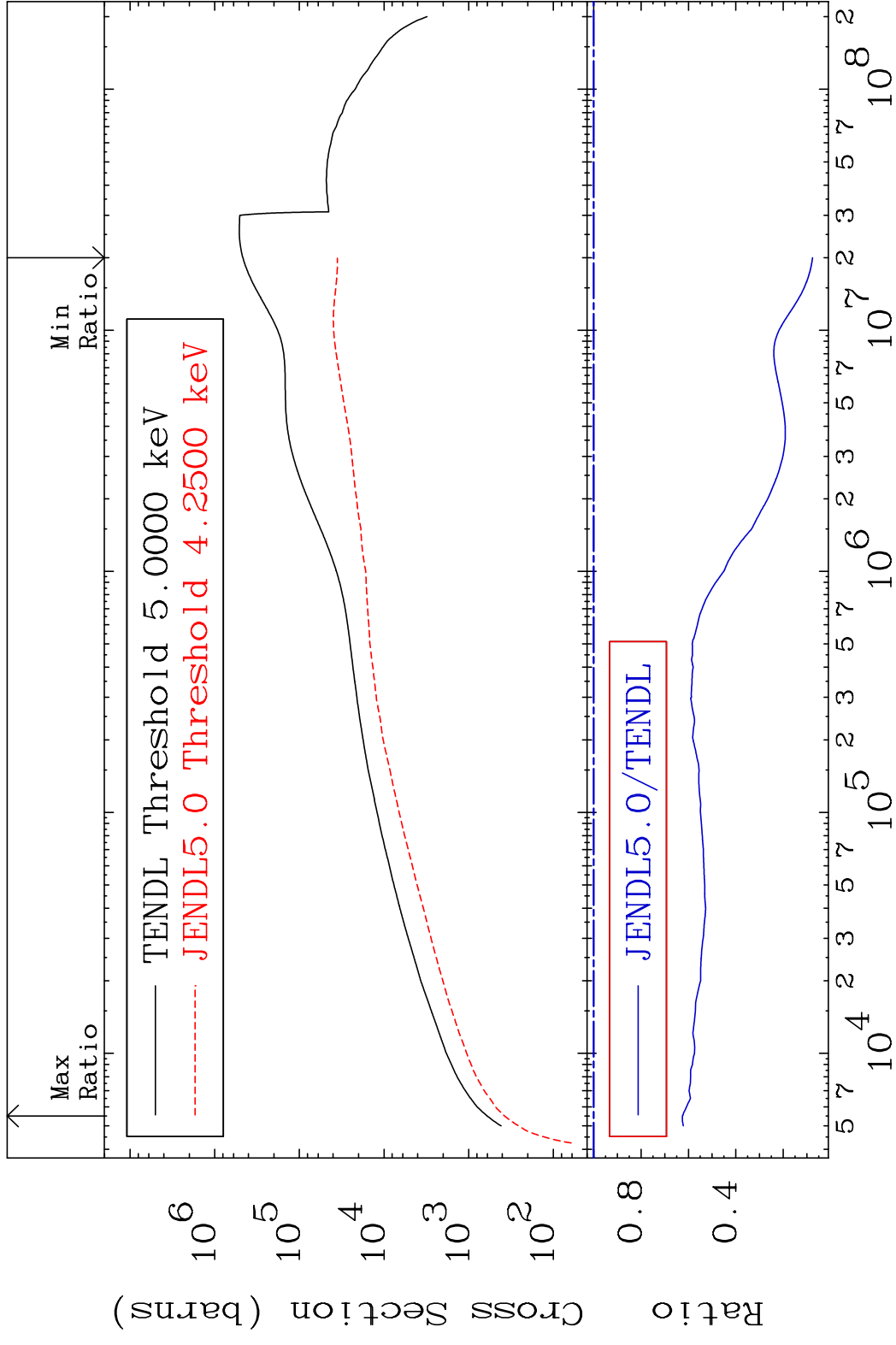


MAT 7326 Dpa total (eV-barns) 73-Ta-180m
Cross Section -94.23 To 553.1 %



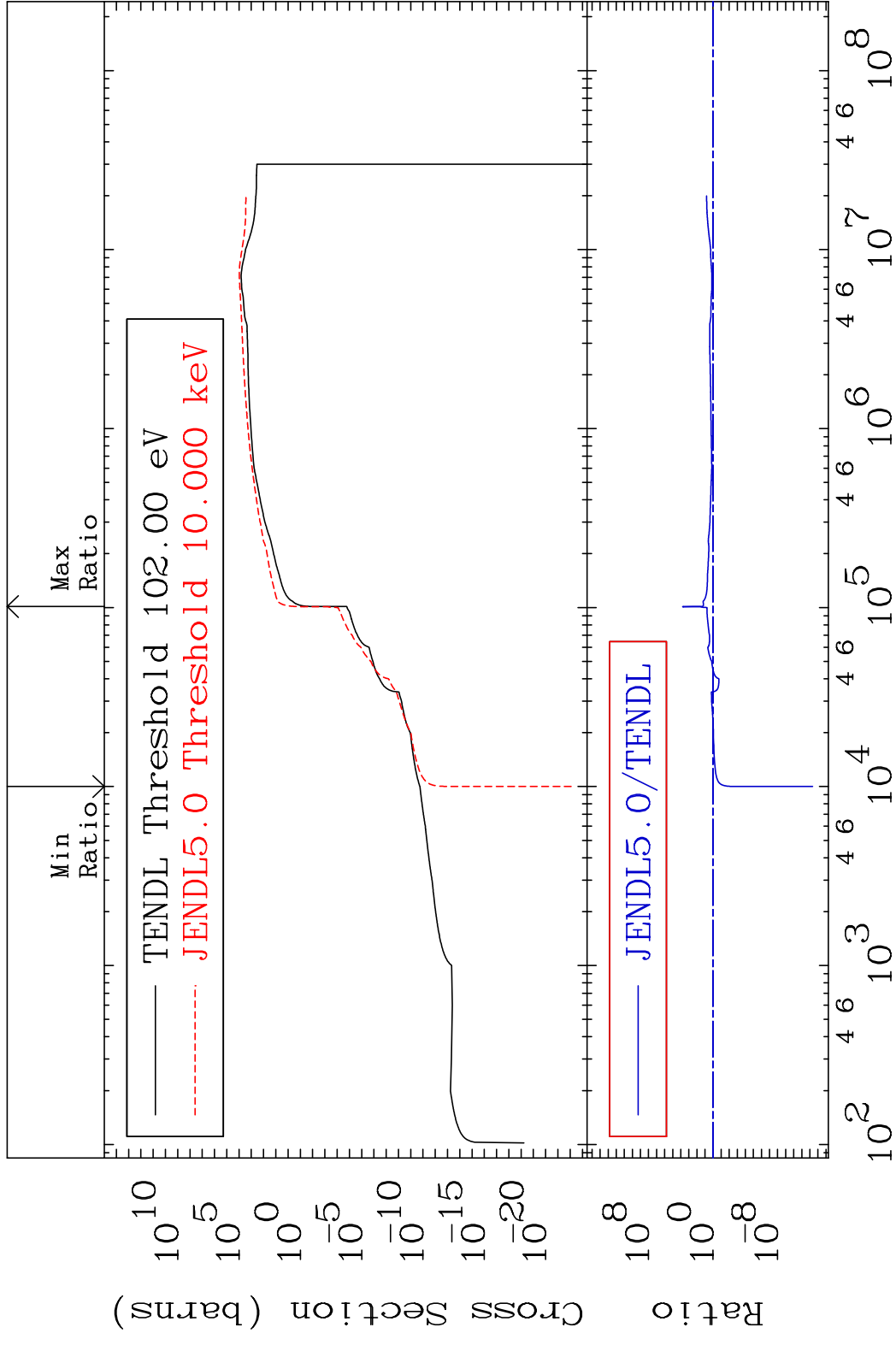
45 73-Ta-180m

MAT 7326 Dpa elastic (mt2) 73-Ta-180m
 Cross Section -92.37 To -37.43%



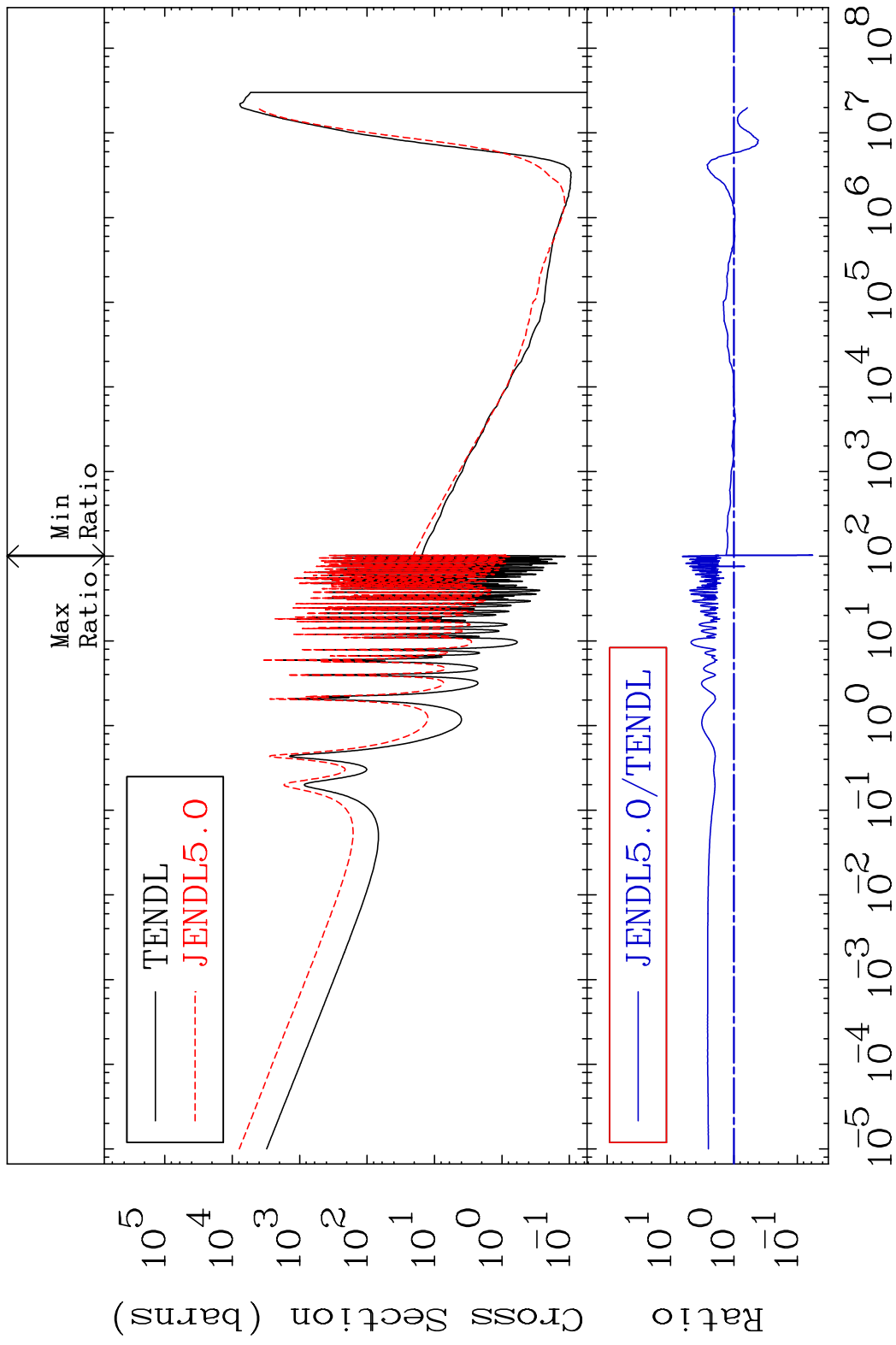
46 Incident Energy (eV) 73-Ta-180m

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



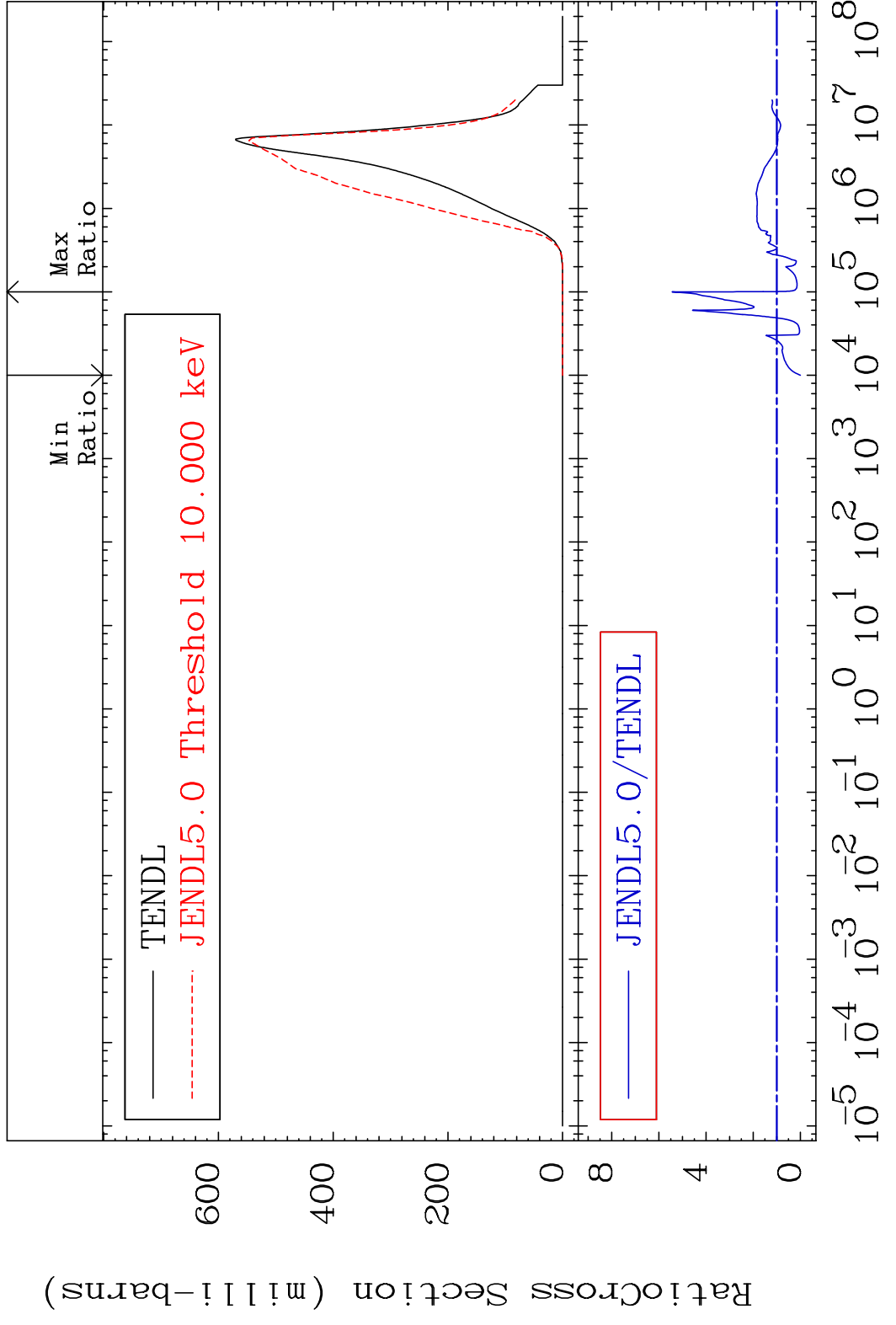
47 Incident Energy (eV) 73-Ta-180m

MAT 7326 Dpa disappearance (mt102 -120) 73-Ta-180m
 Cross Section -94.23 To 553.1 %

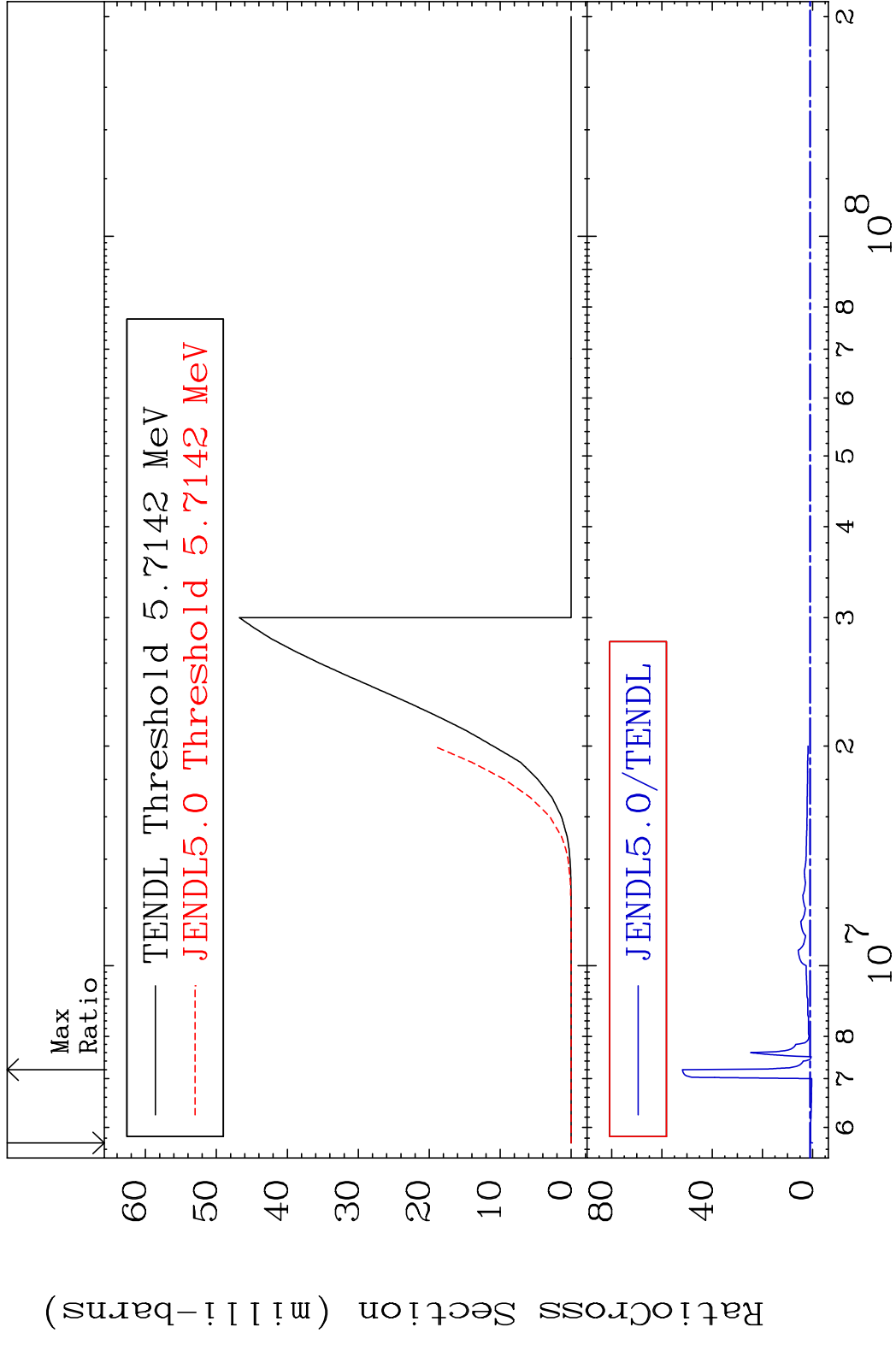


48 Incident Energy (eV) 73-Ta-180m

MAT 7326 Inelastic: 73-Ta-180g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 444.0 %

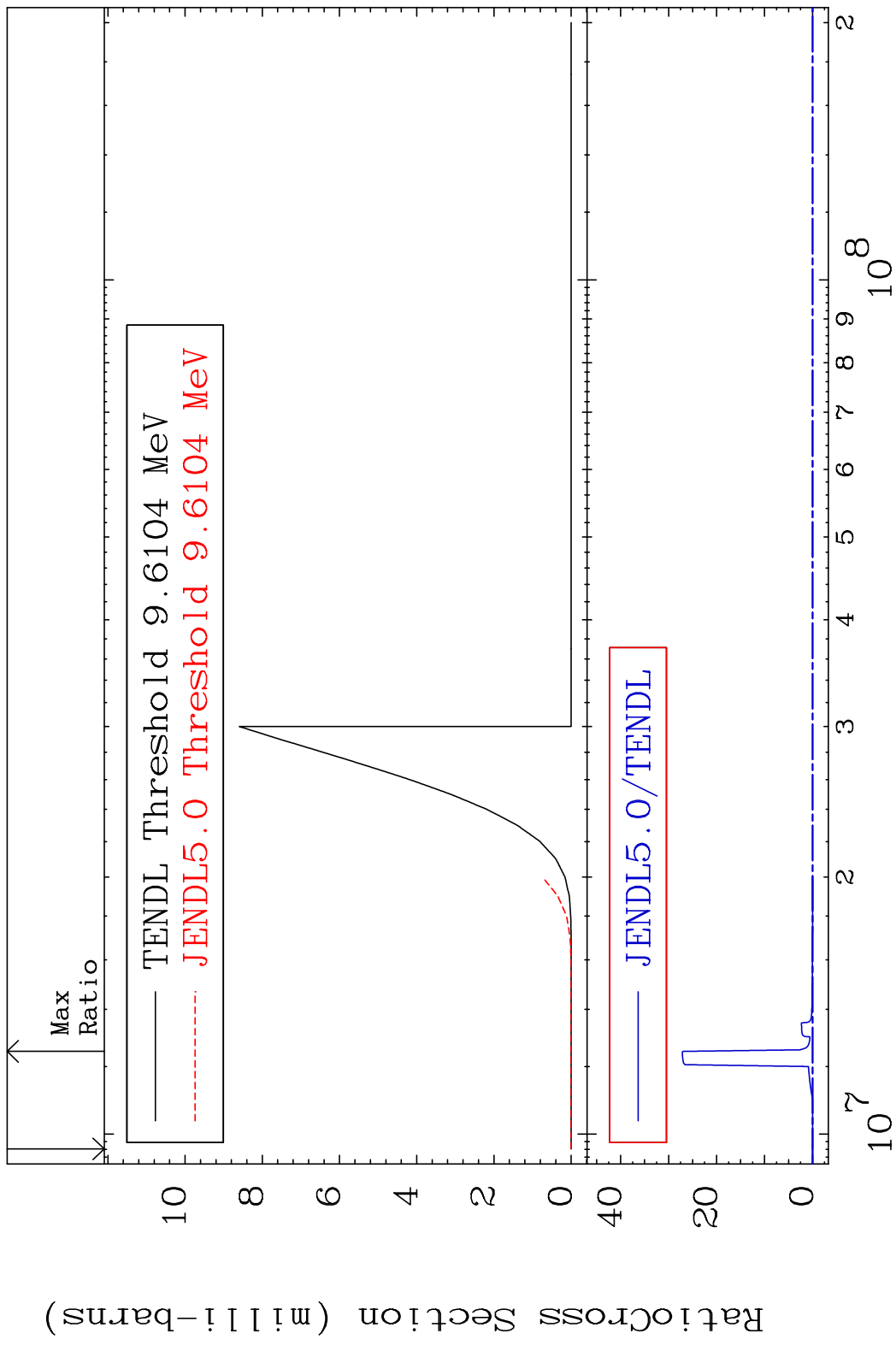


MAT 7326 (n, n') p:72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section to 5087. %



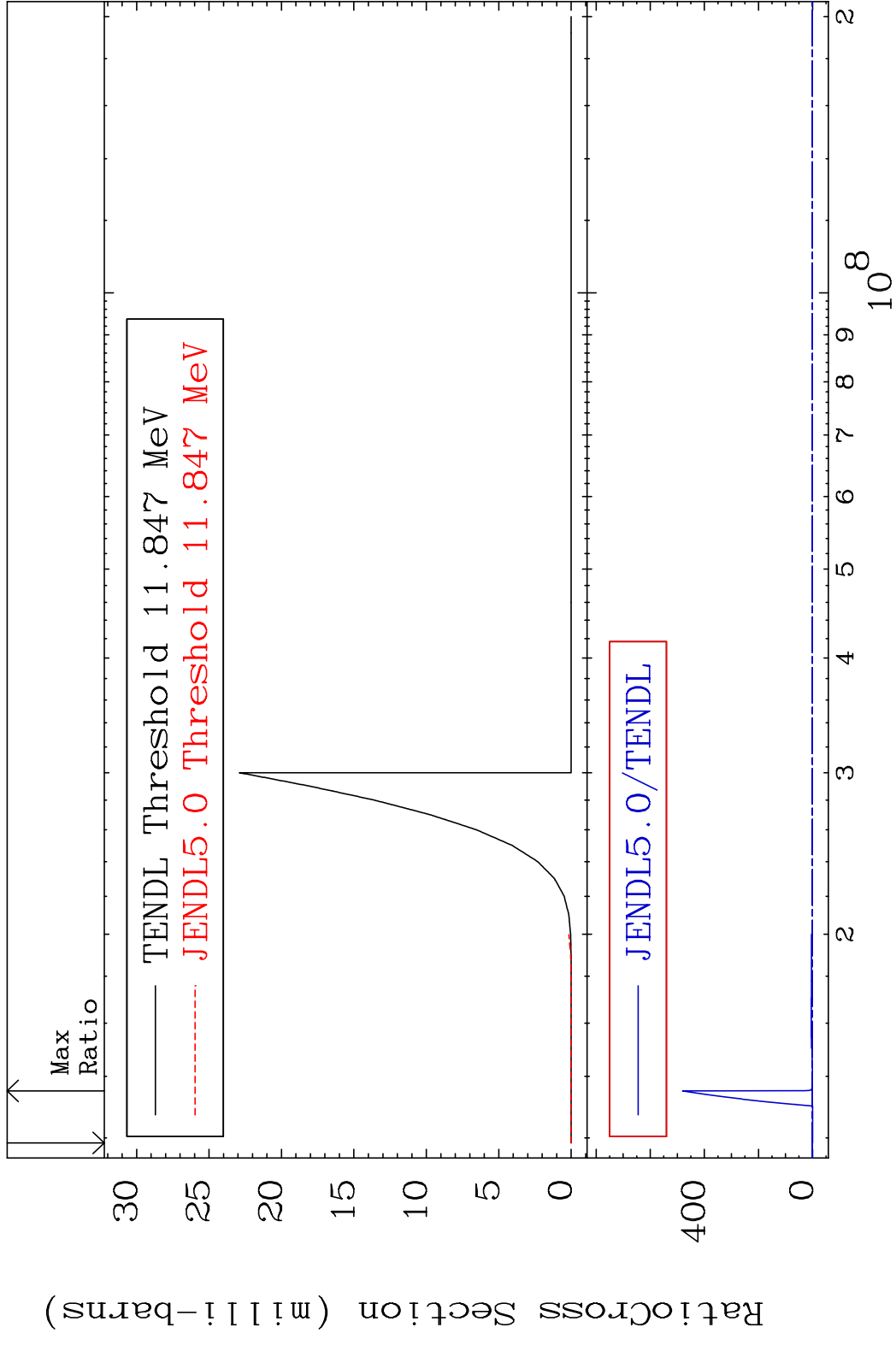
50 Incident Energy (eV) 73-Ta-180m

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

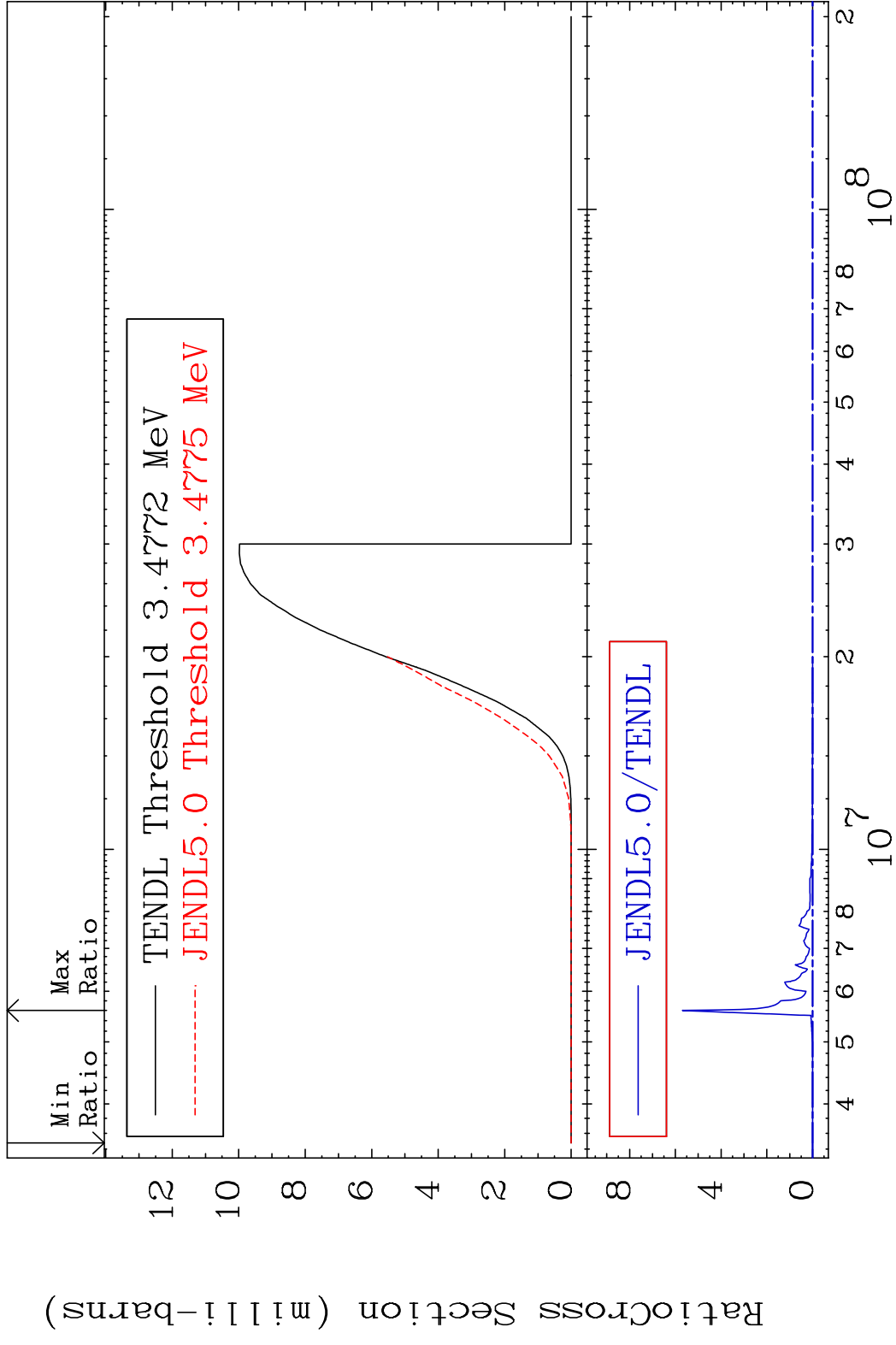


51 Incident Energy (eV) 73-Ta-180m

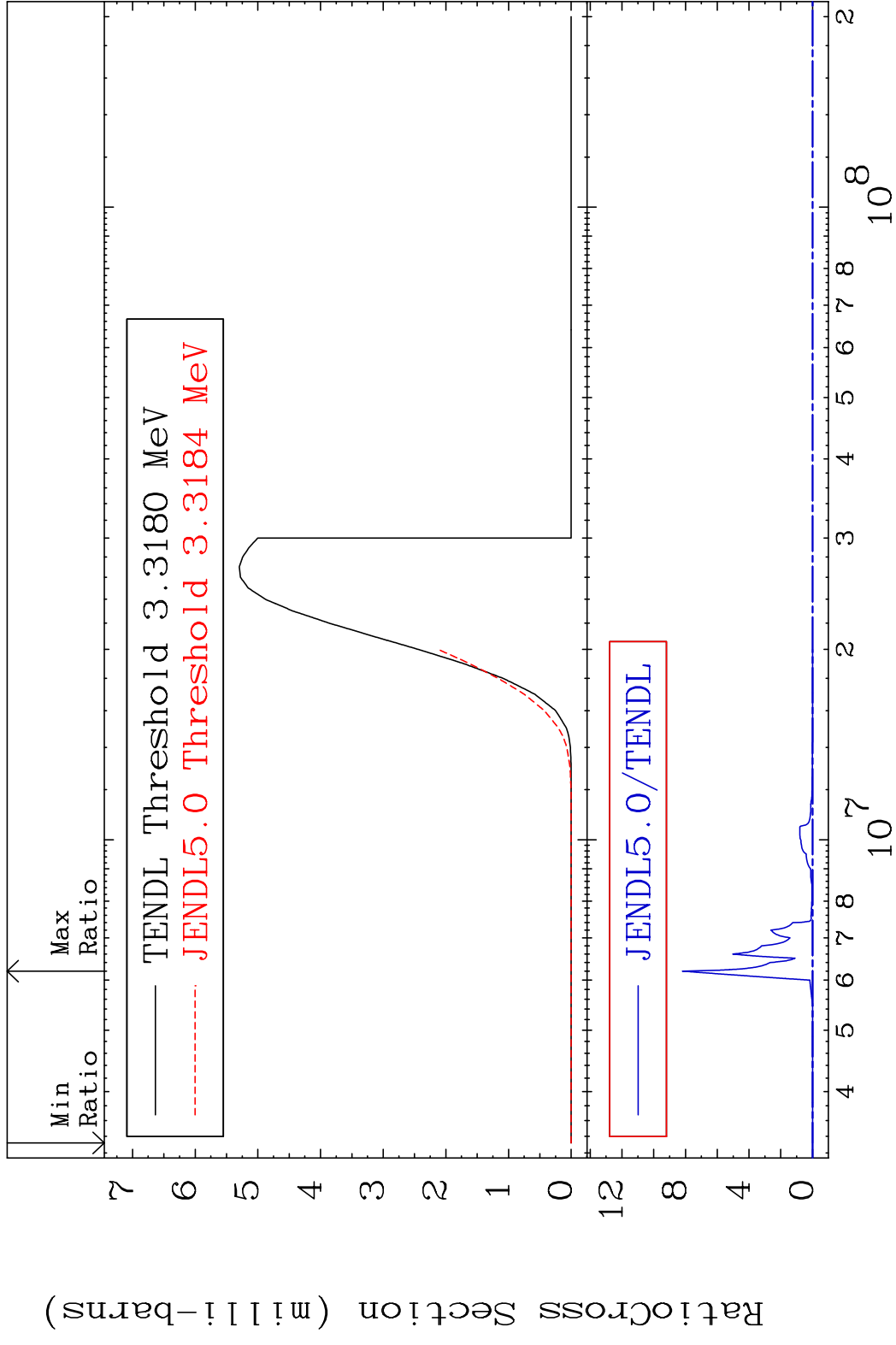
MAT 7326 (n,2n) p:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 9999. %



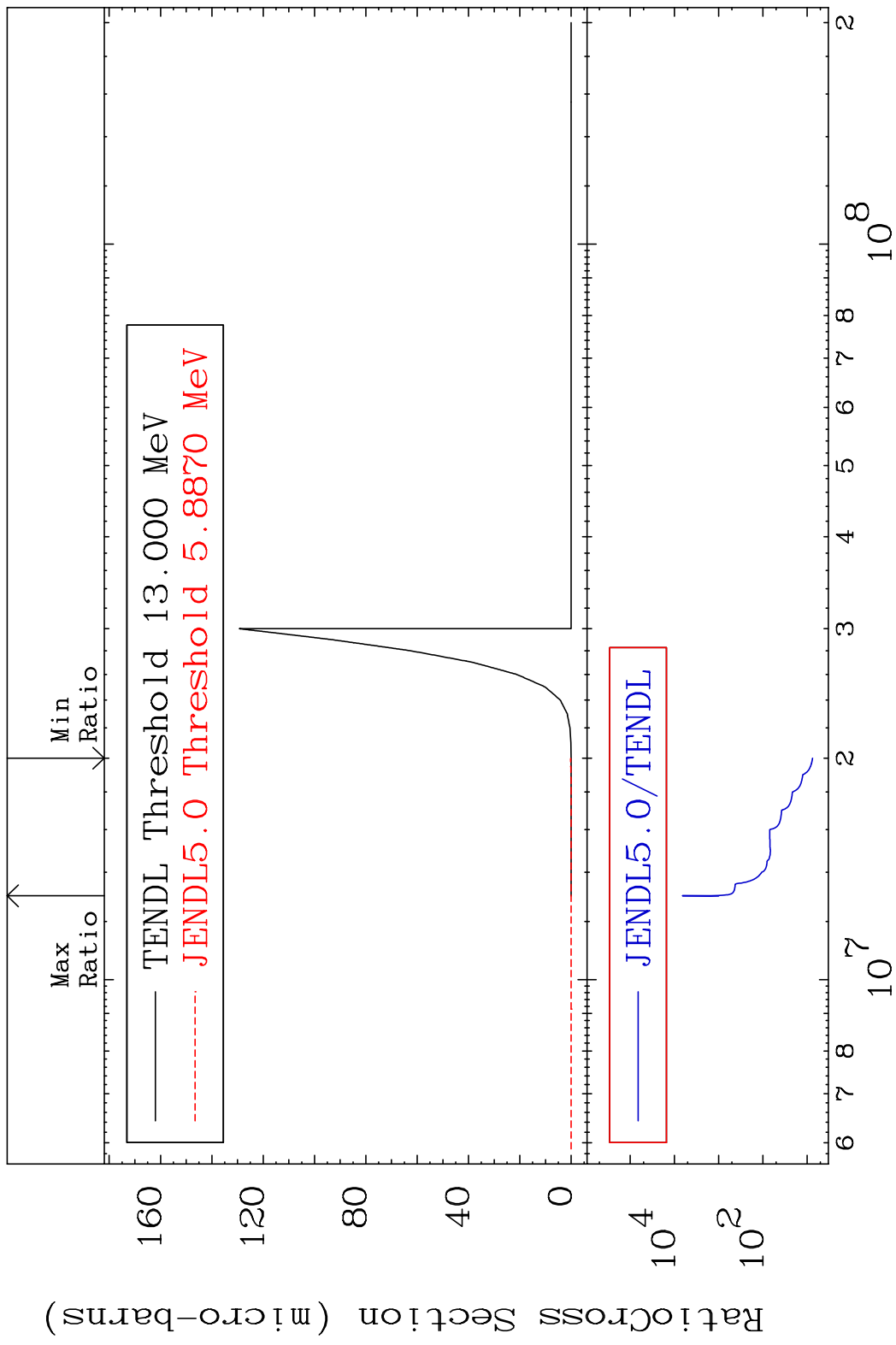
MAT 7326 (n, d):72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %

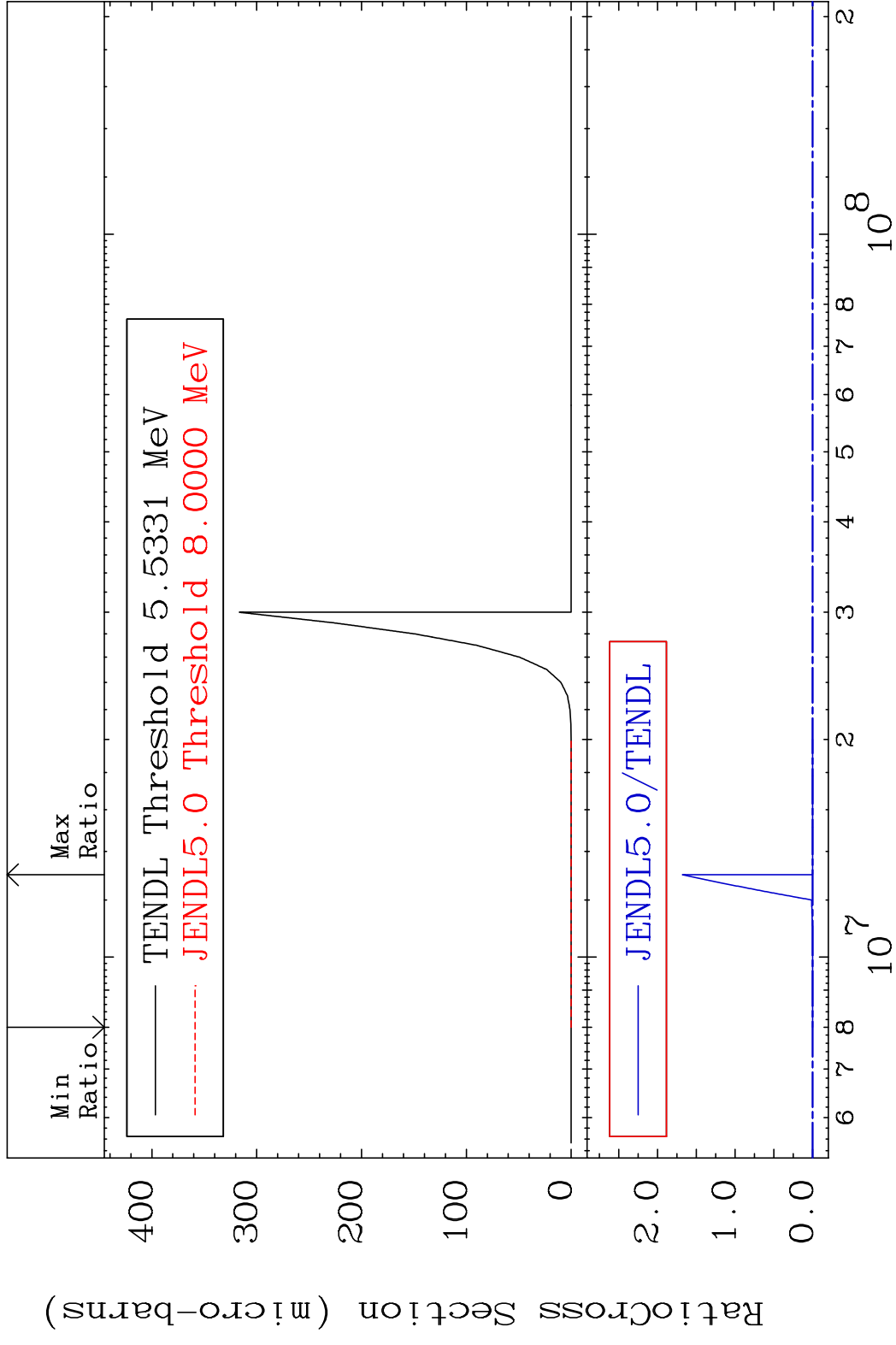


MAT 7326 (n, t):72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %

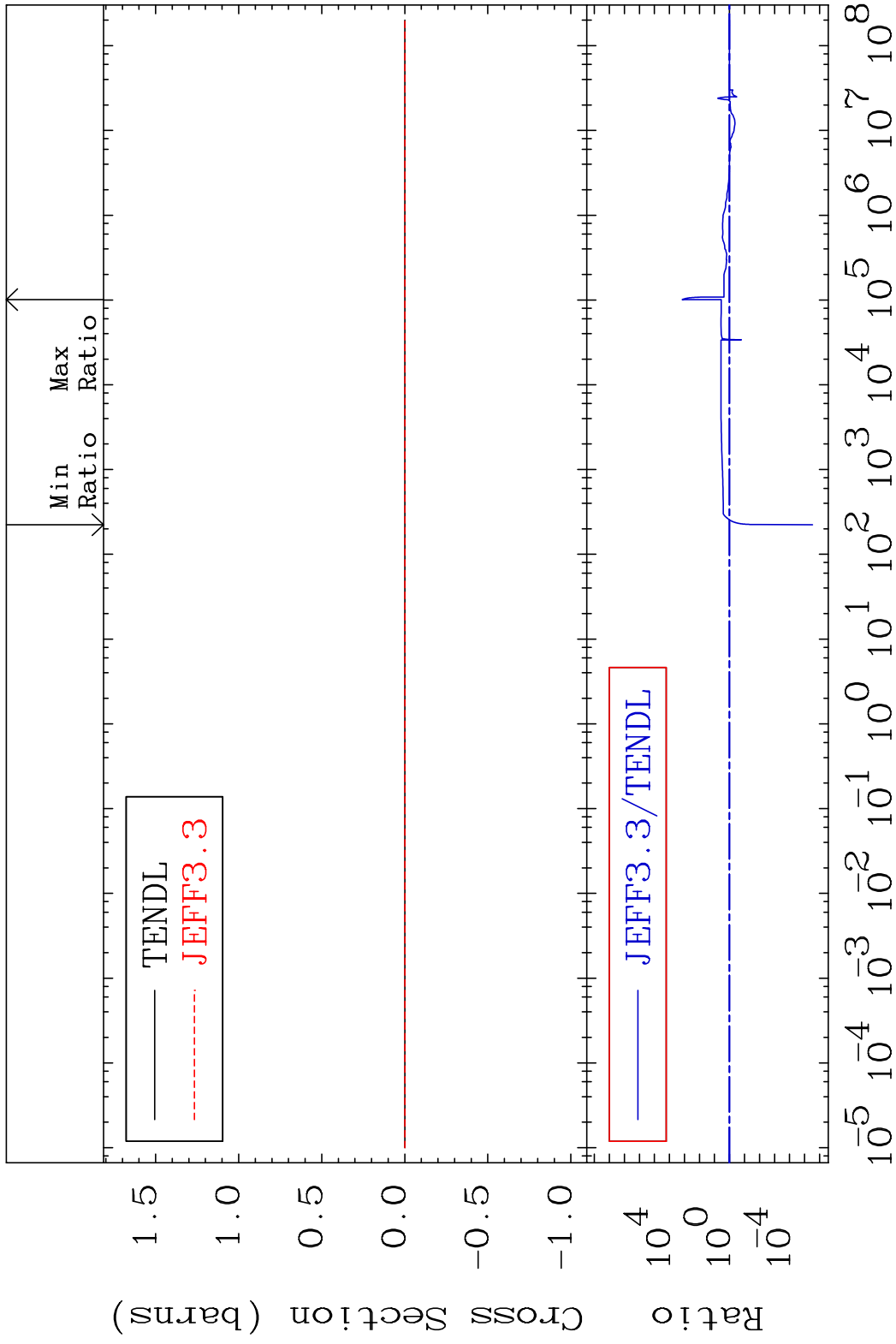


MAT 7326 (n, He-3): 71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 9999. %



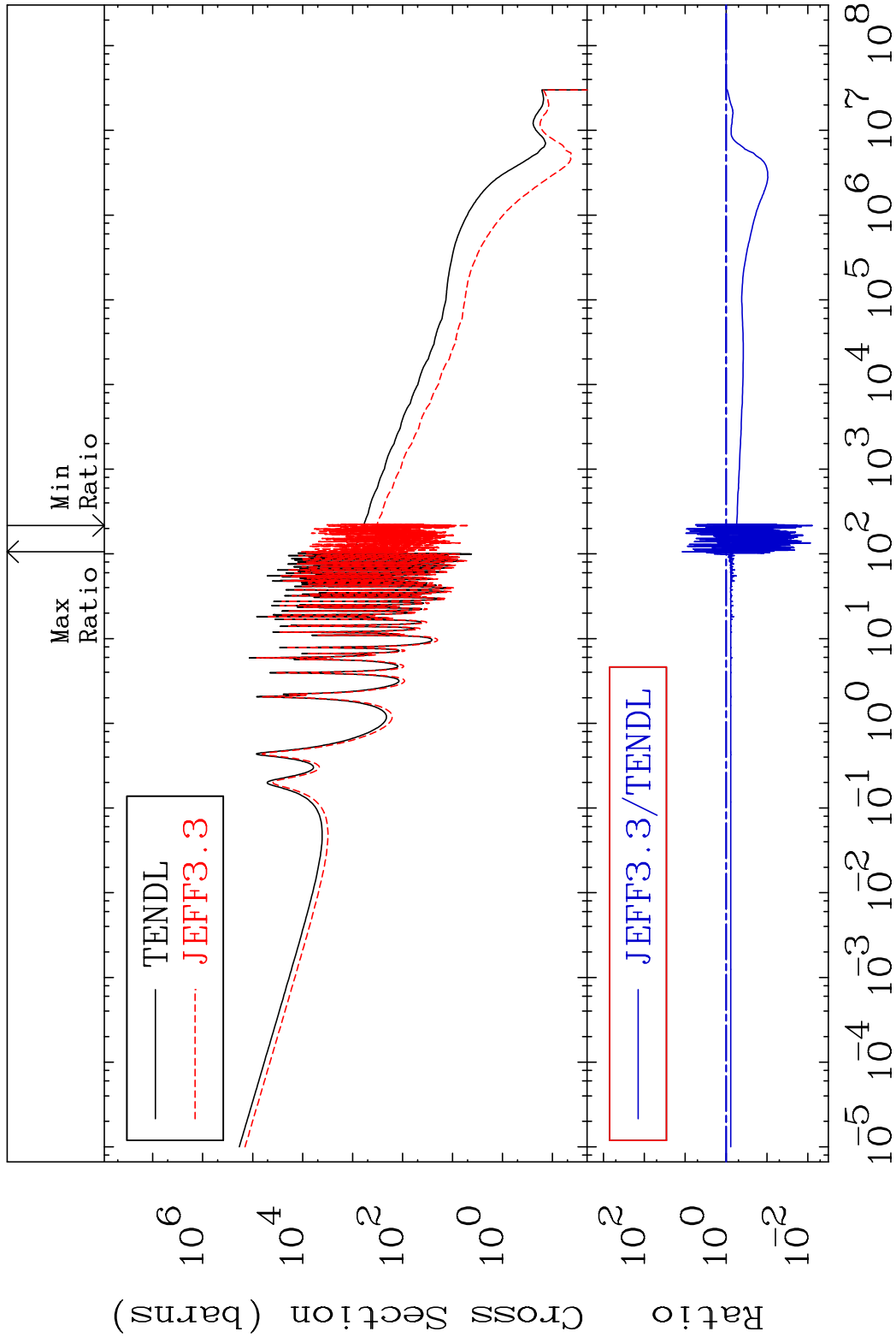


MAT 7326 Kerma fission (mt18 or mt19-20-21-38) β -Ta-180m
 Cross Section -100.0 To 9999. %



MAT 7326

Kerma capture (mt102) 73-Ta-180m
Cross Section -99.23 To 1072. %

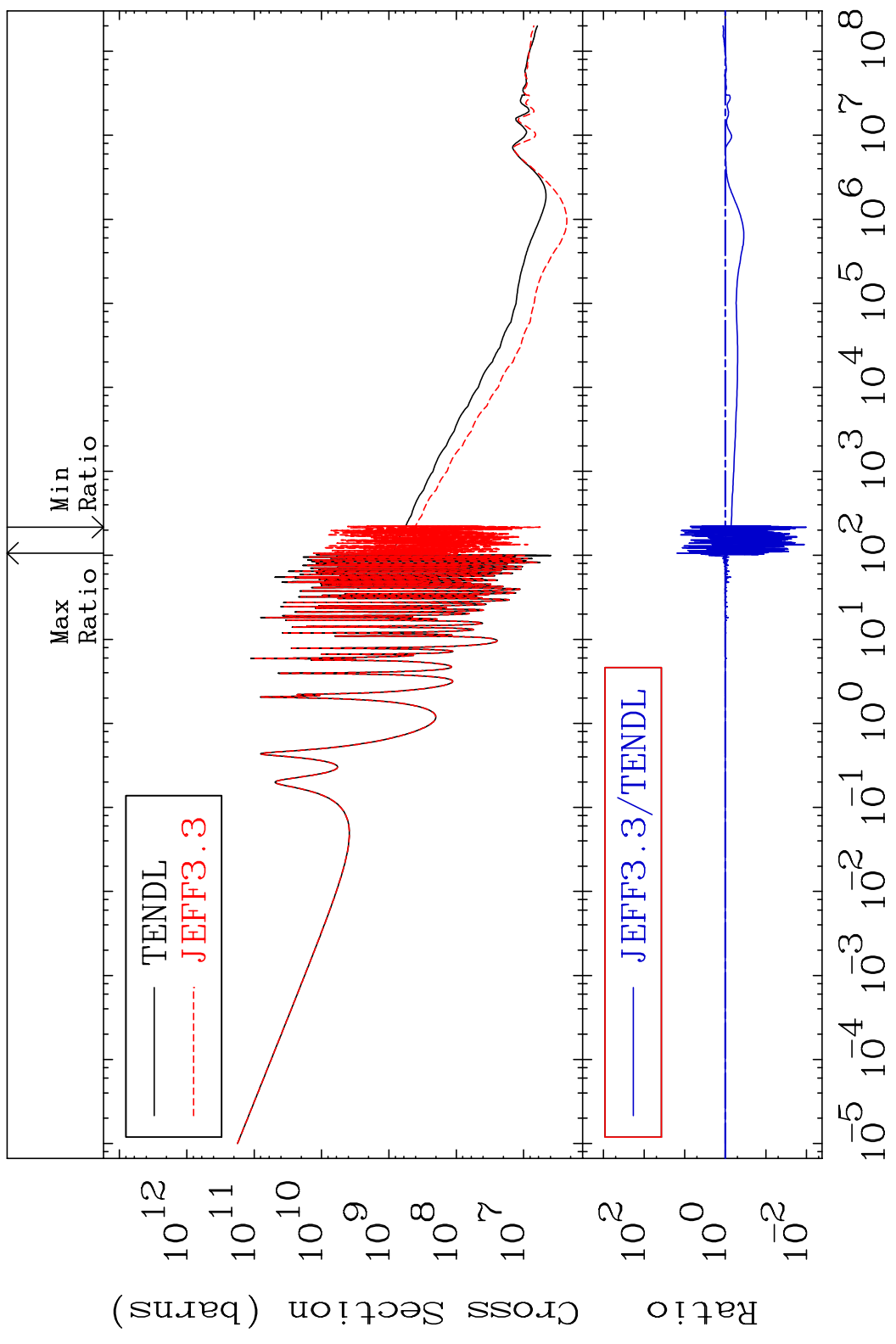


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Incident Energy (eV) 73-Ta-180m

MAT 7326

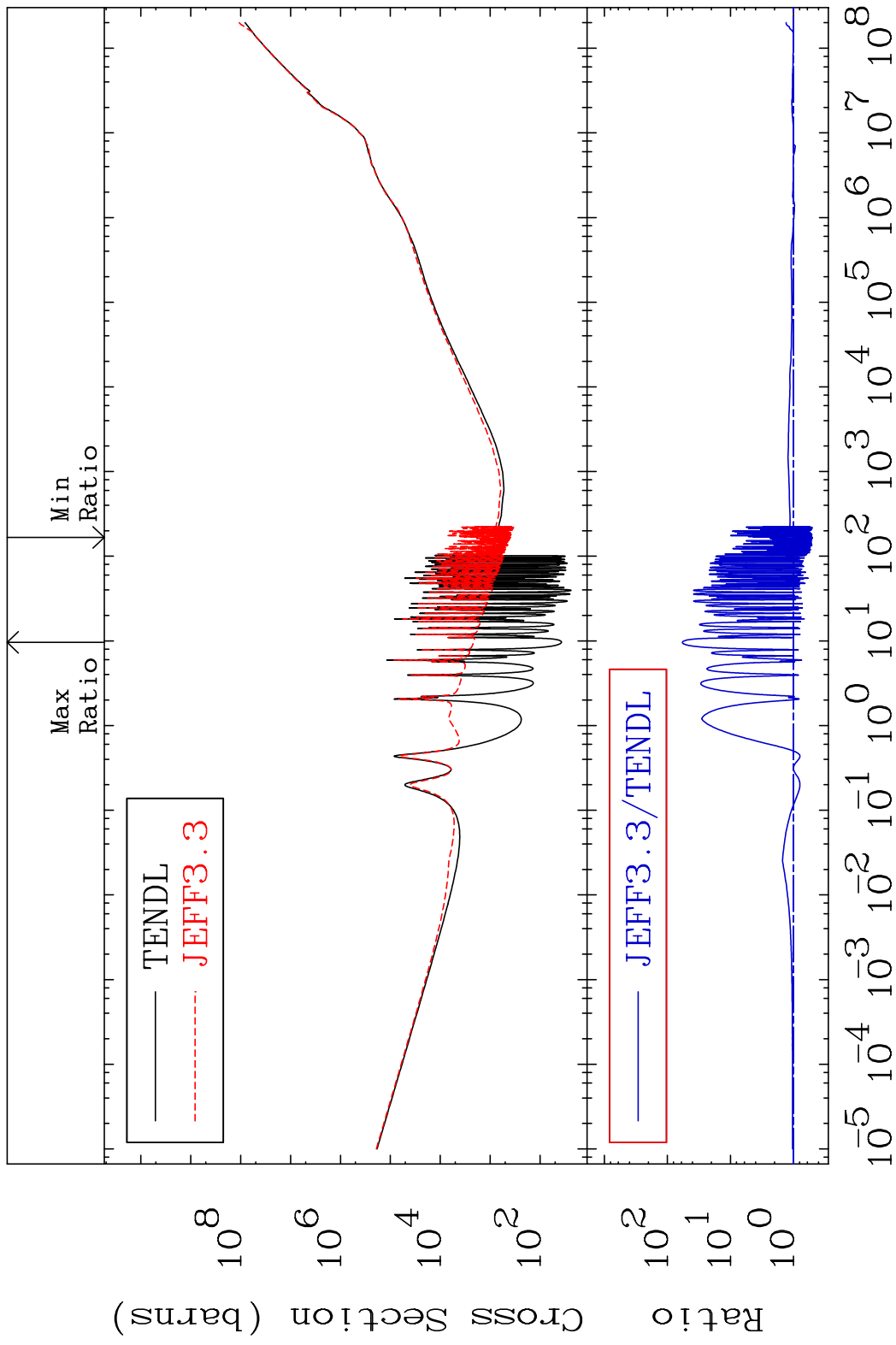
Total photon (eV-barns) 73-Ta-180m
Cross Section -99.00 To 1429. %



59

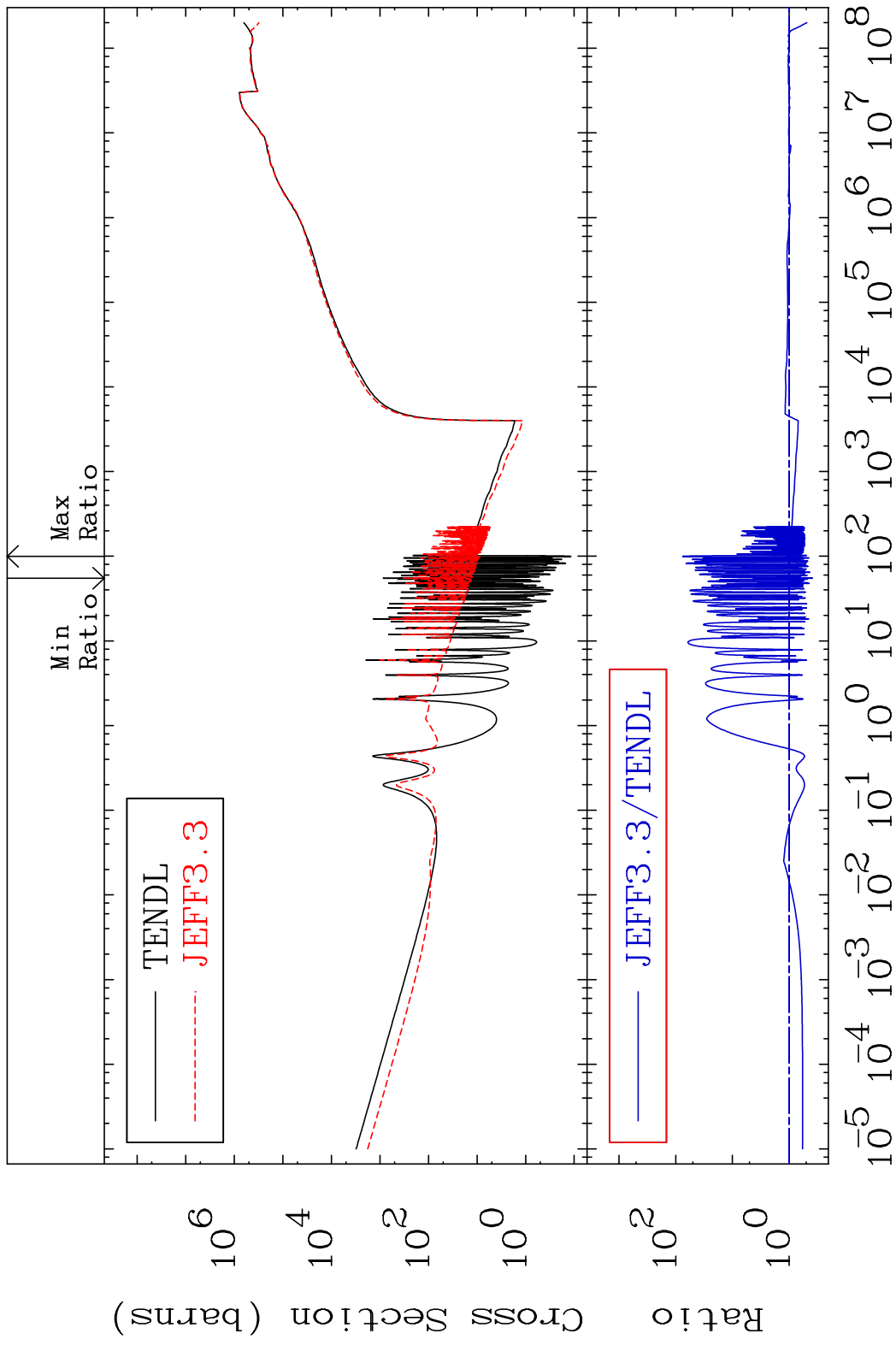
Incident Energy (eV) 73-Ta-180m

MAT 7326 Total kinematic kerma (high limit)73-Ta-180m
 Cross Section -50.30 To 5692. %



60 73-Ta-180m

MAT 7326 Dpa total (eV-barns) 73-Ta-180m
 Cross Section -61.30 To 7539. %



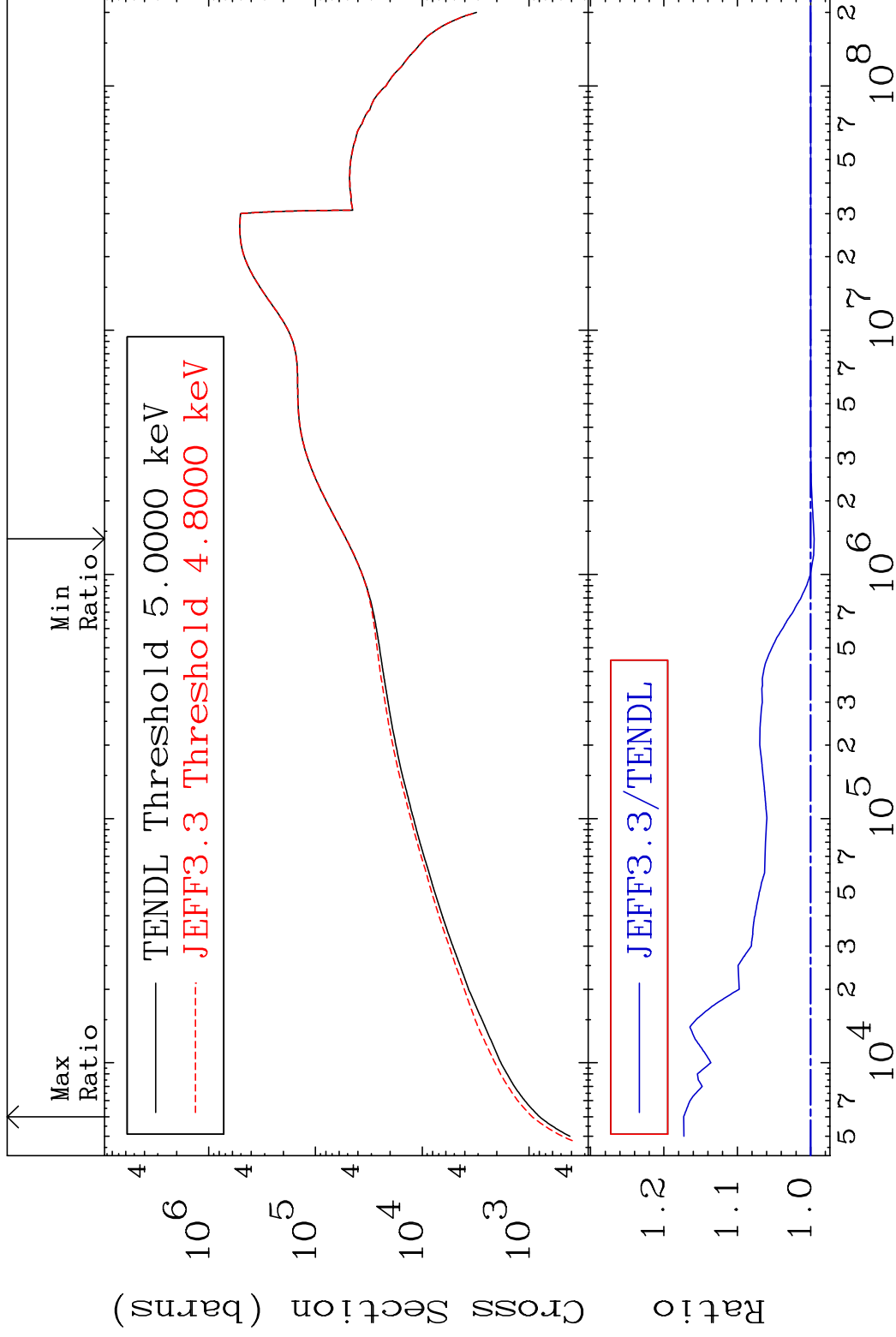
61 Incident Energy (eV) 73-Ta-180m

MAT 7326

Dpa elastic (mt2)

73-Ta-180m

Cross Section -0.468 To 17.31 %

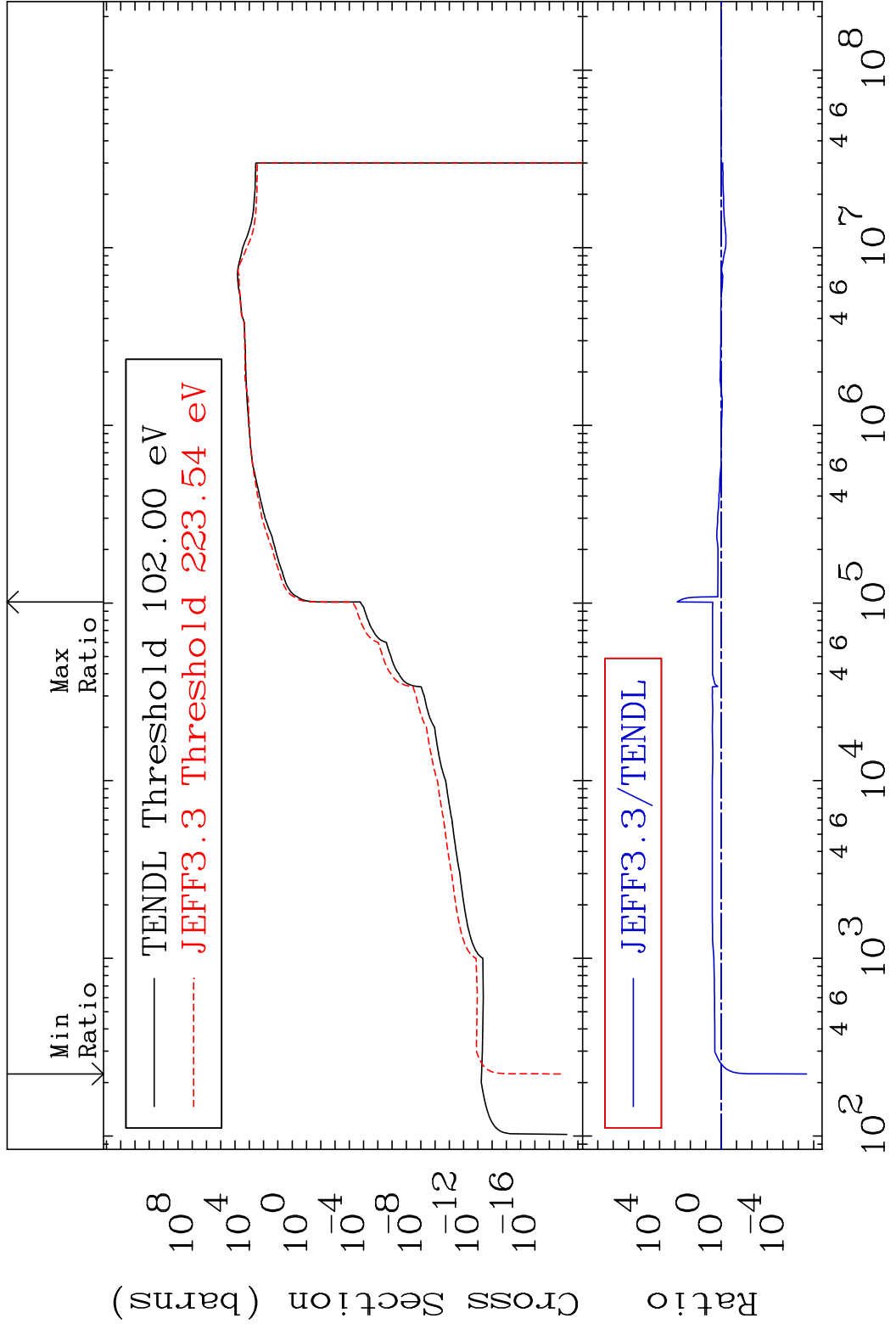


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Incident Energy (eV)

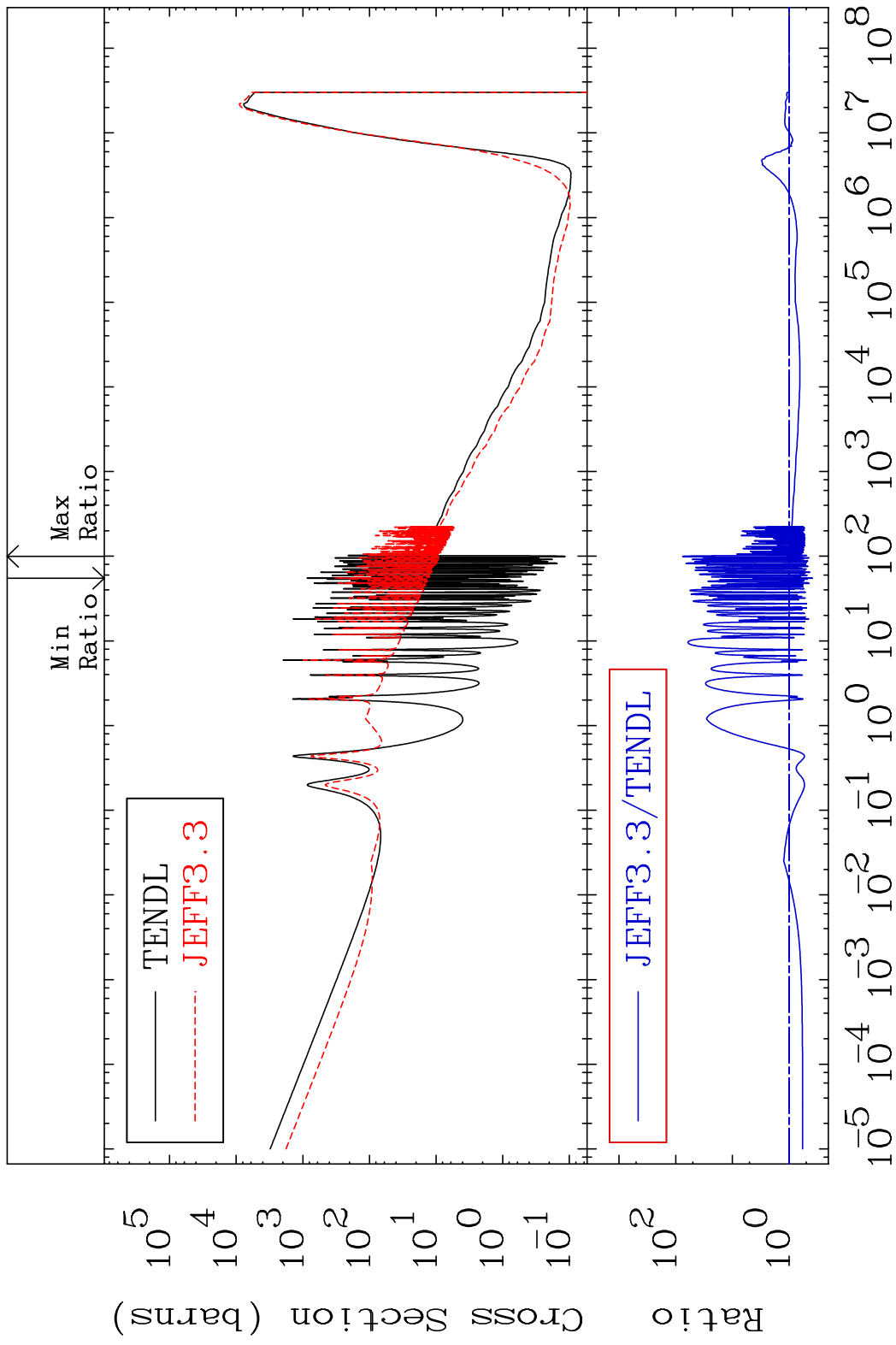
73-Ta-180m

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



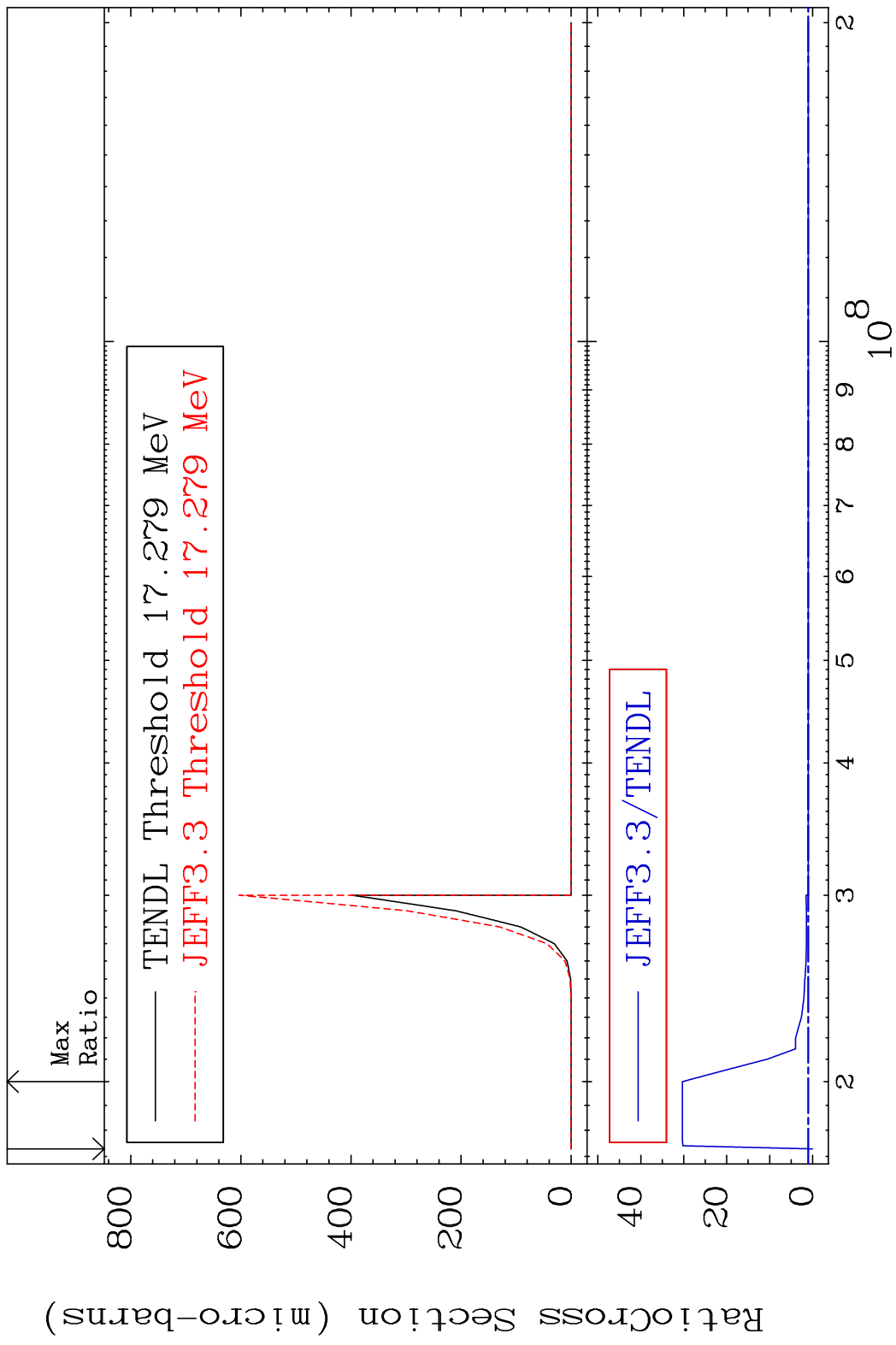
63 Incident Energy (eV) 73-Ta-180m

MAT 7326 Dpa disappearance (mt102 -120) 73-Ta-180m
 Cross Section -61.30 To 7539. %

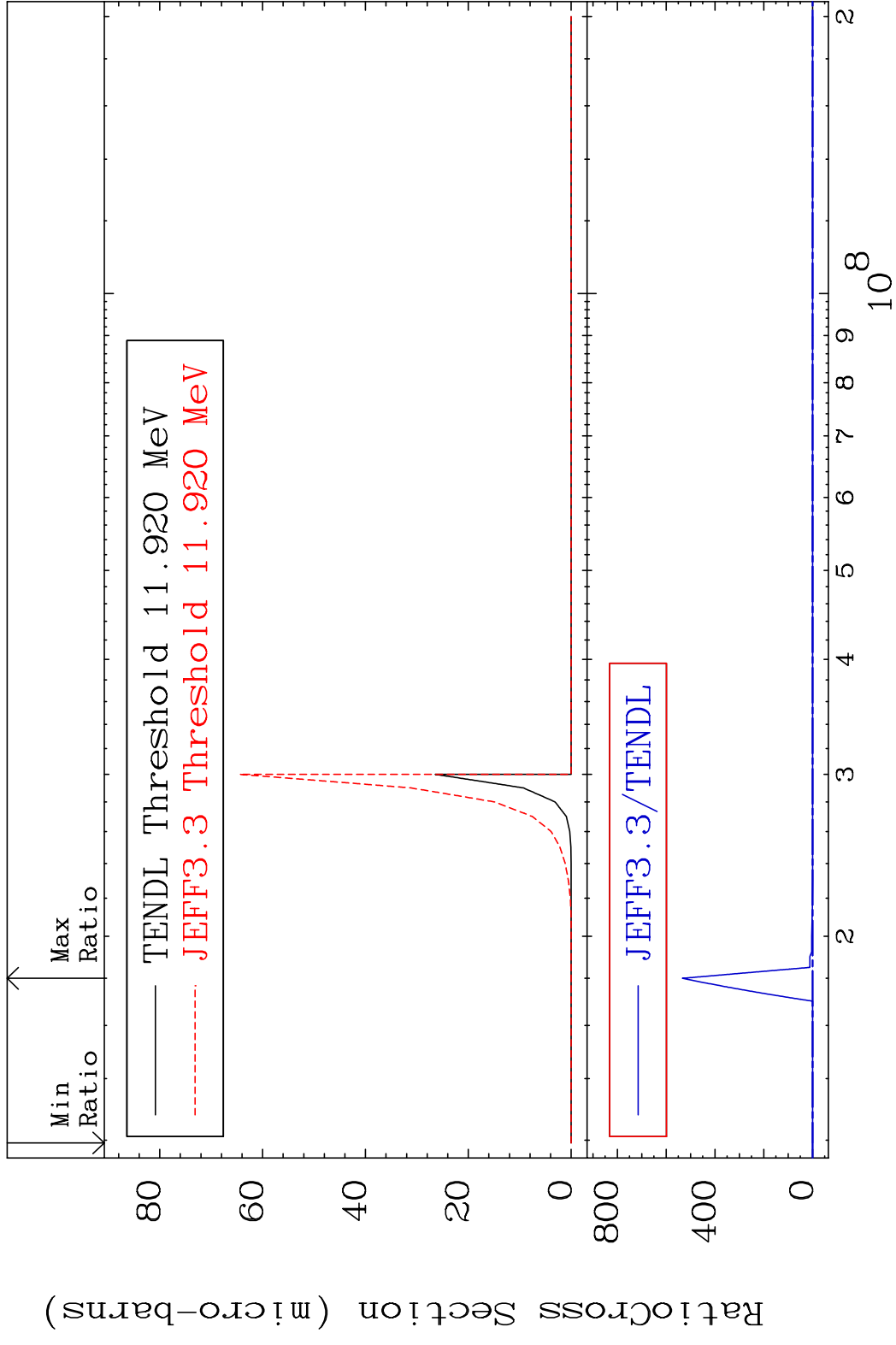


64 Incident Energy (eV) 73-Ta-180m

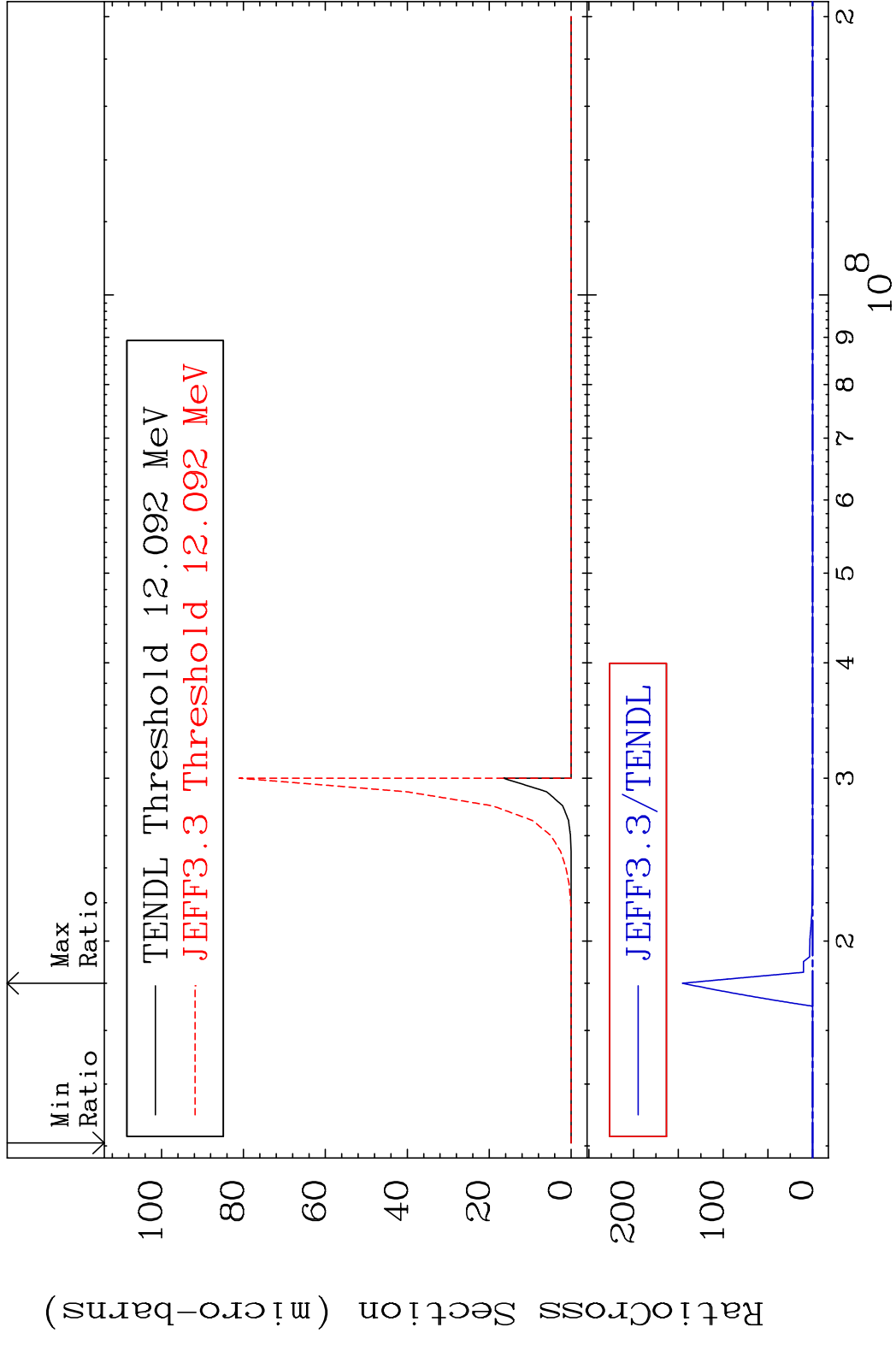
MAT 7326 (n,2n) d:72-Hf-177g 73-Ta-180m
 Radionuclide Production Cross Section 180.01 dth 2932. %



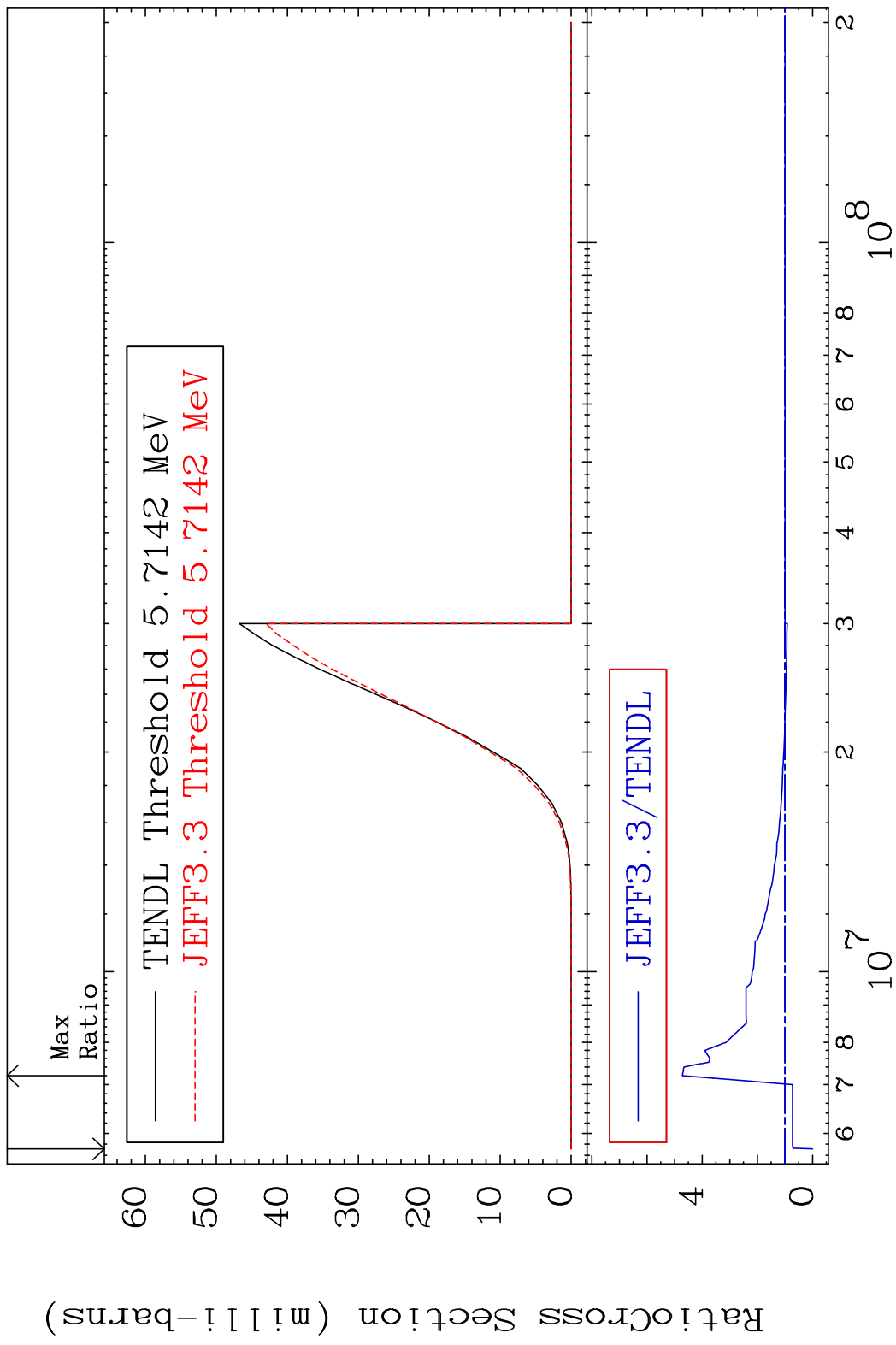
MAT 7326 (n,3n) α :71-Lu-174g 73-Ta-180m
 Radionuclide Production Cross Section to 9999. %



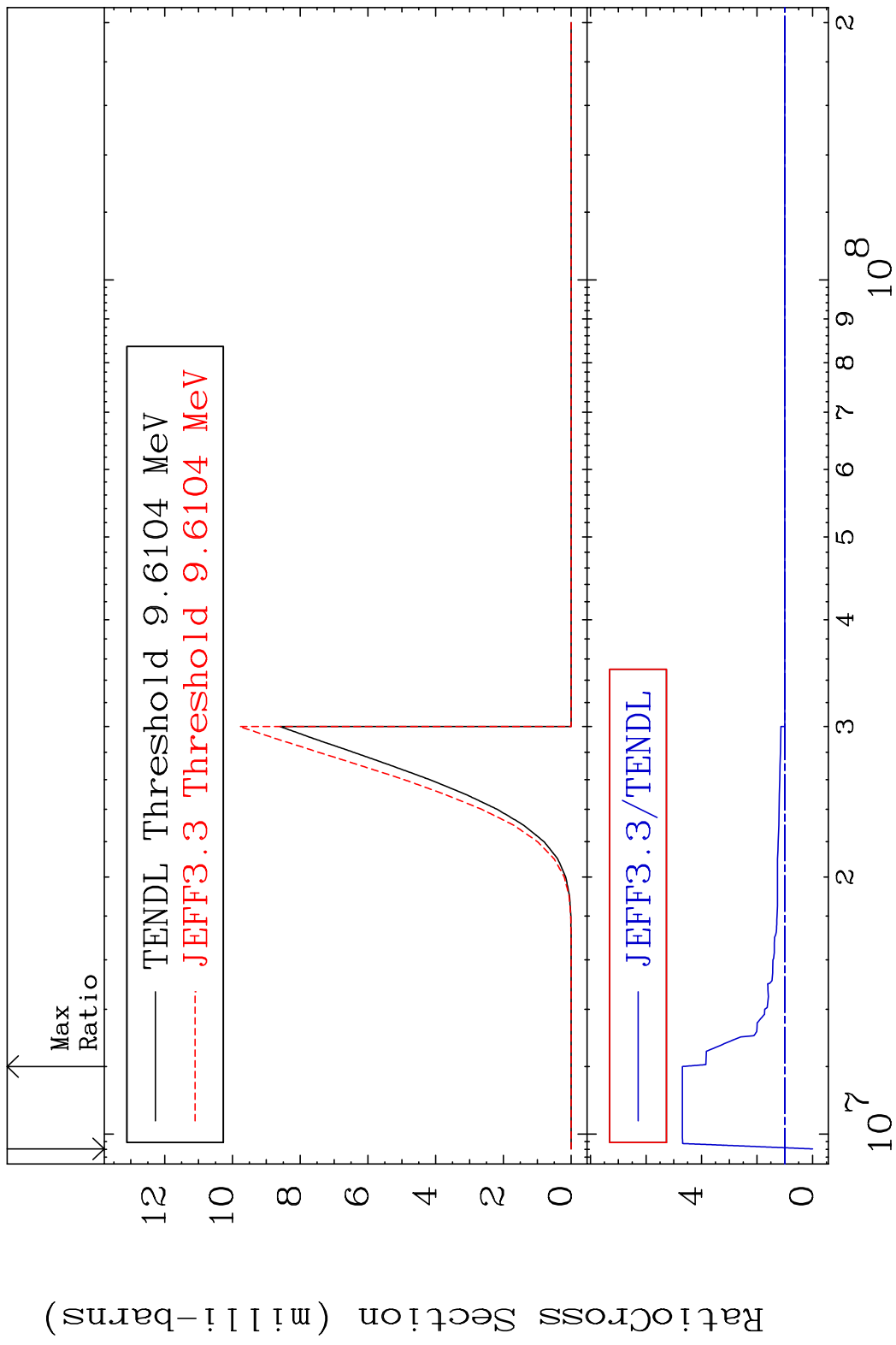
MAT 7326 (n,3n) α :71-Lu-174m3 73-Ta-180m
 Radionuclide Production Cross Section 180000 to 9999. %



MAT 7326 (n, n') p:72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section 180.01 dth 371.9 %

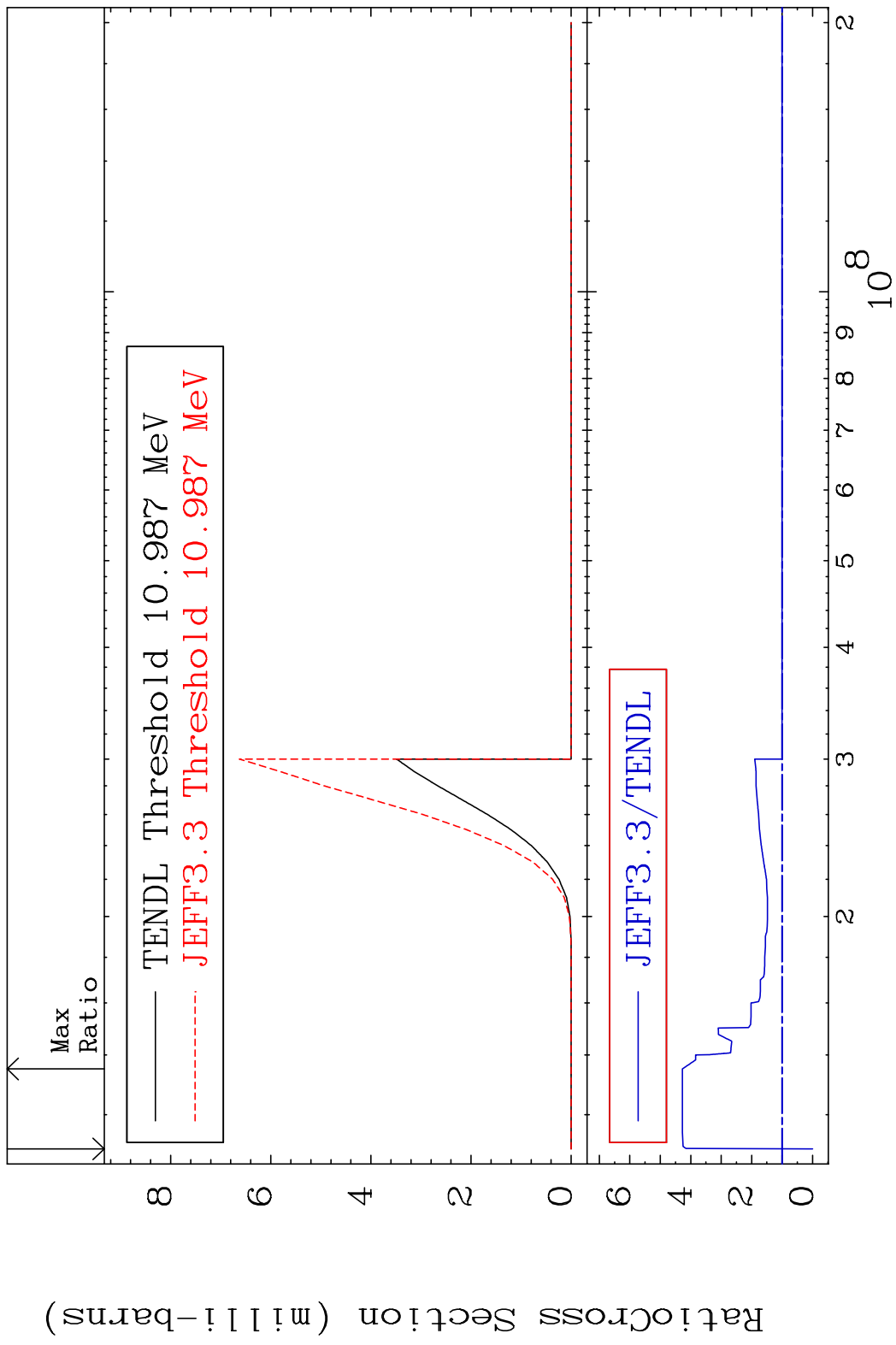


MAT 7326 (n, n') d:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section 180.01 dth 369.2 %

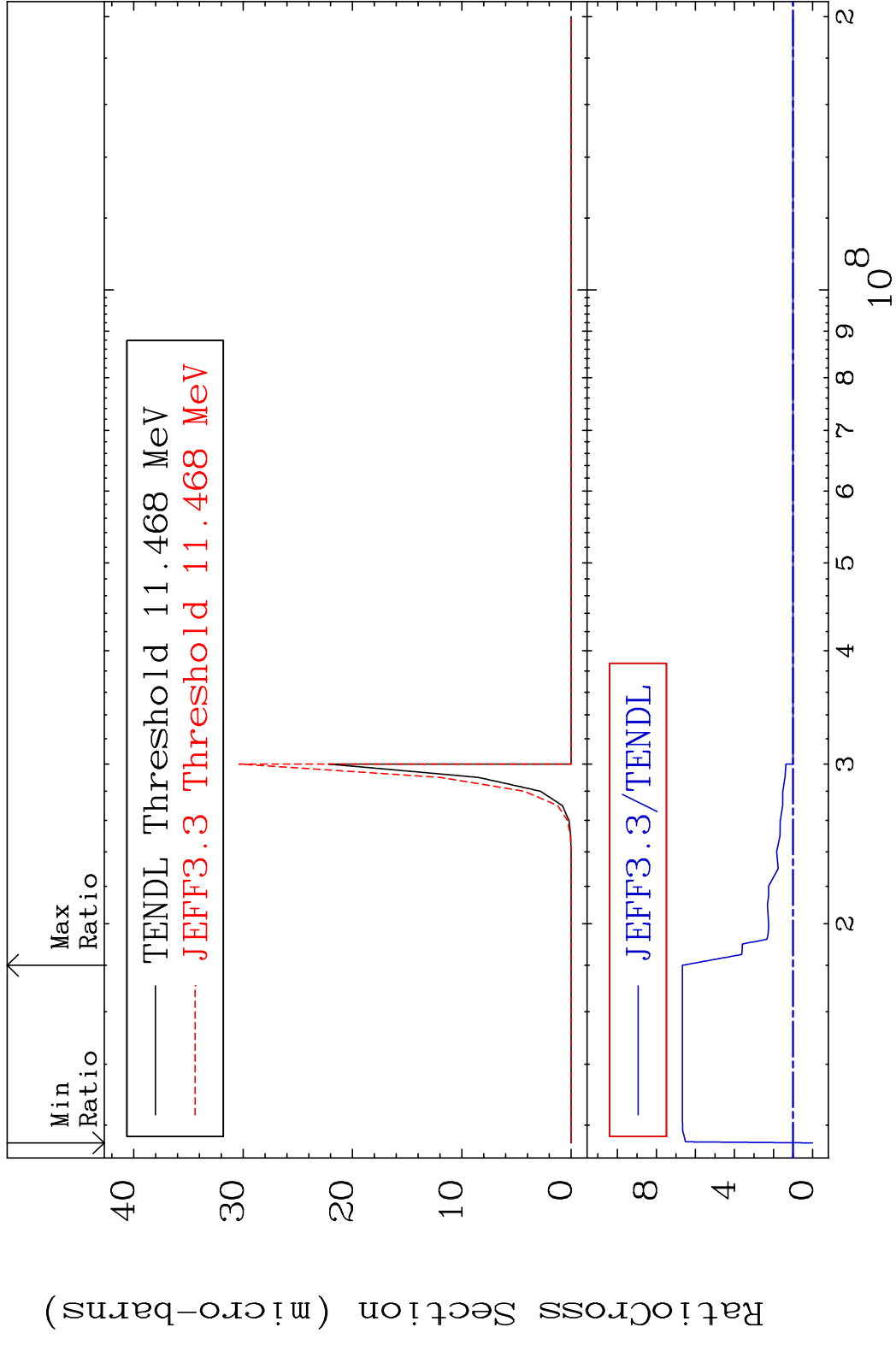


69 Incident Energy (eV) 73-Ta-180m

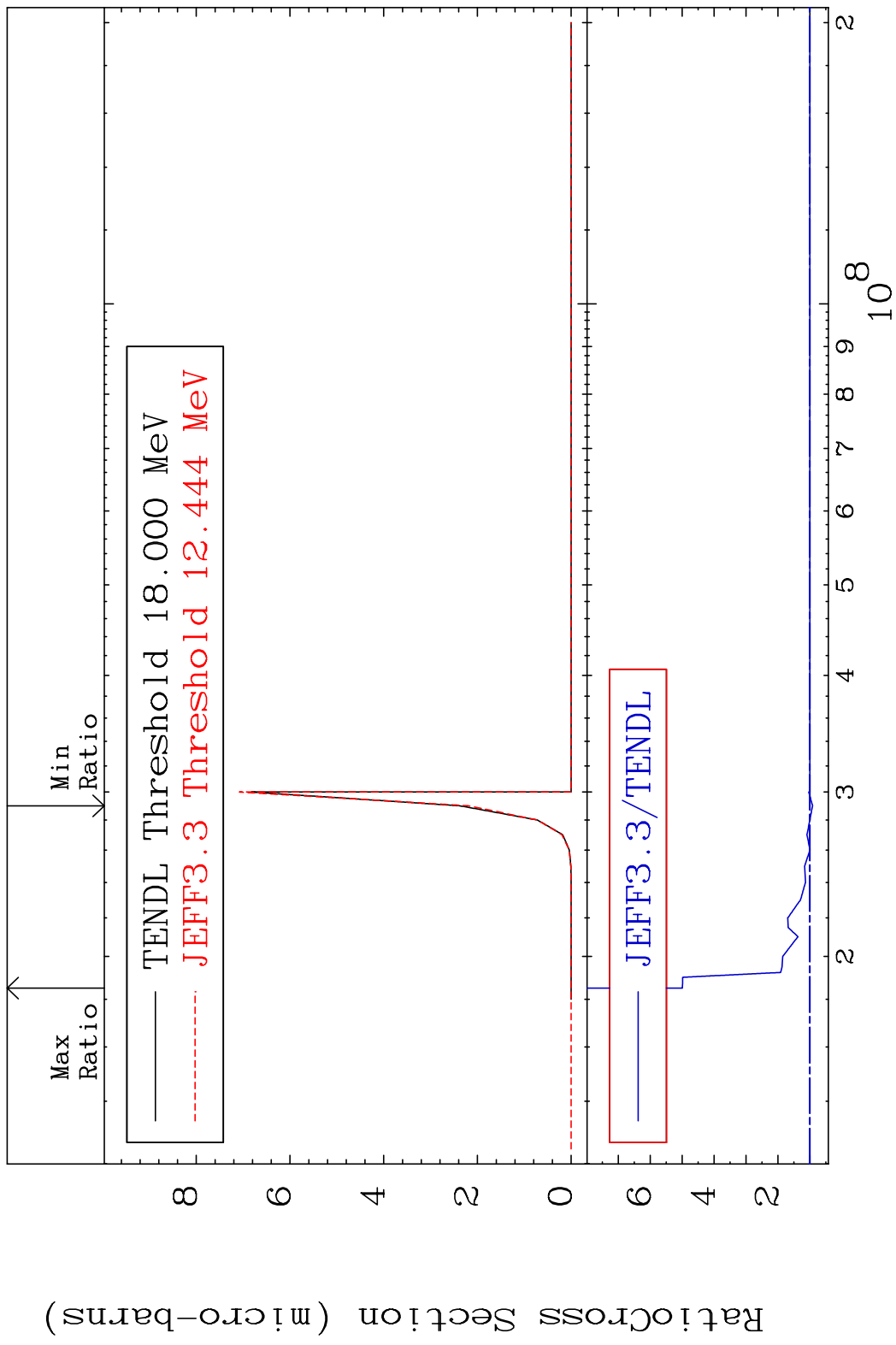
MAT 7326 (n, n') t:72-Hf-177g 73-Ta-180m
 Radionuclide Production Cross Section 180.01 dth 327.5 %



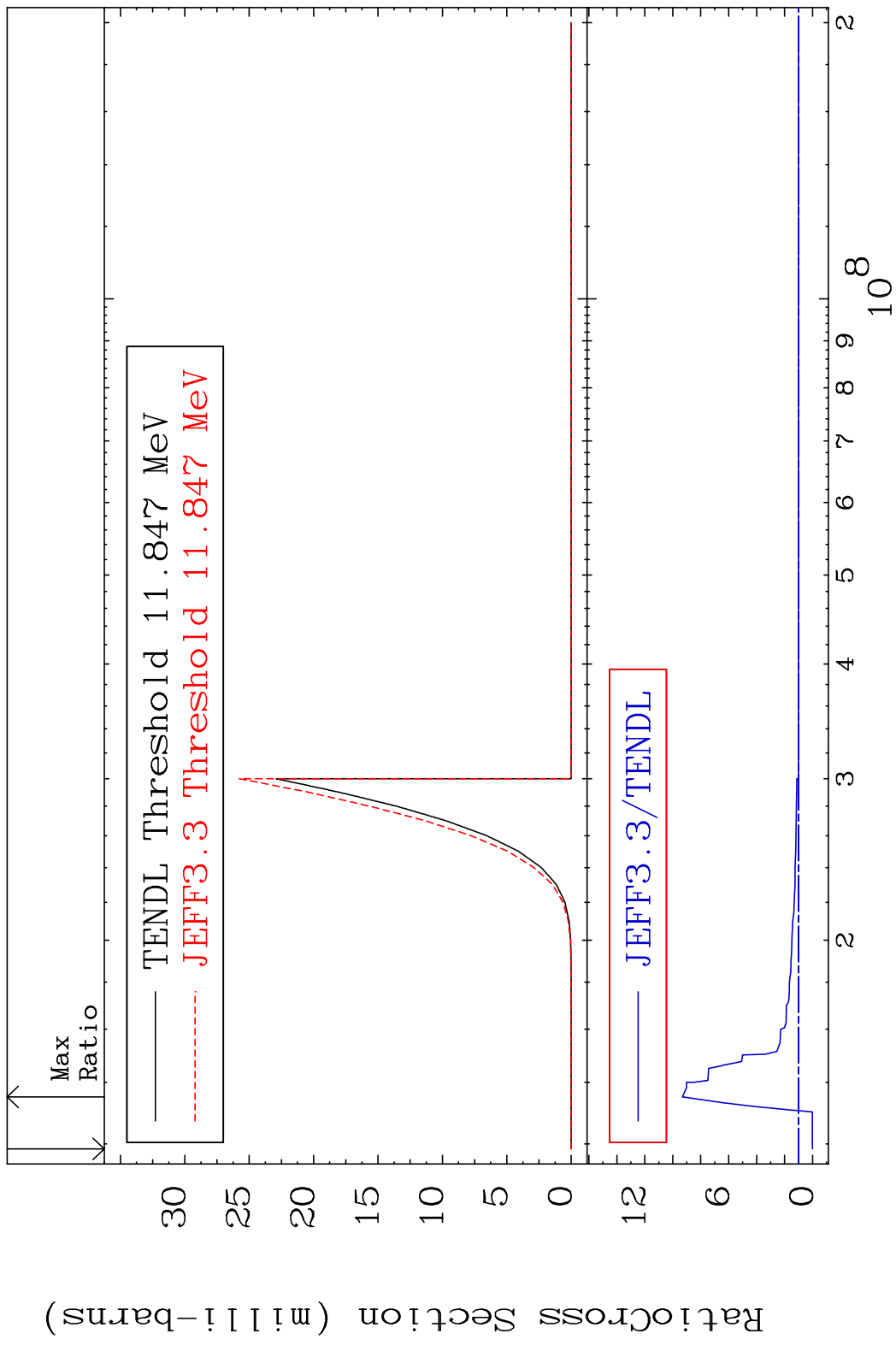
MAT 7326 (n, n') He-3:71-Lu-177g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 567.2 %



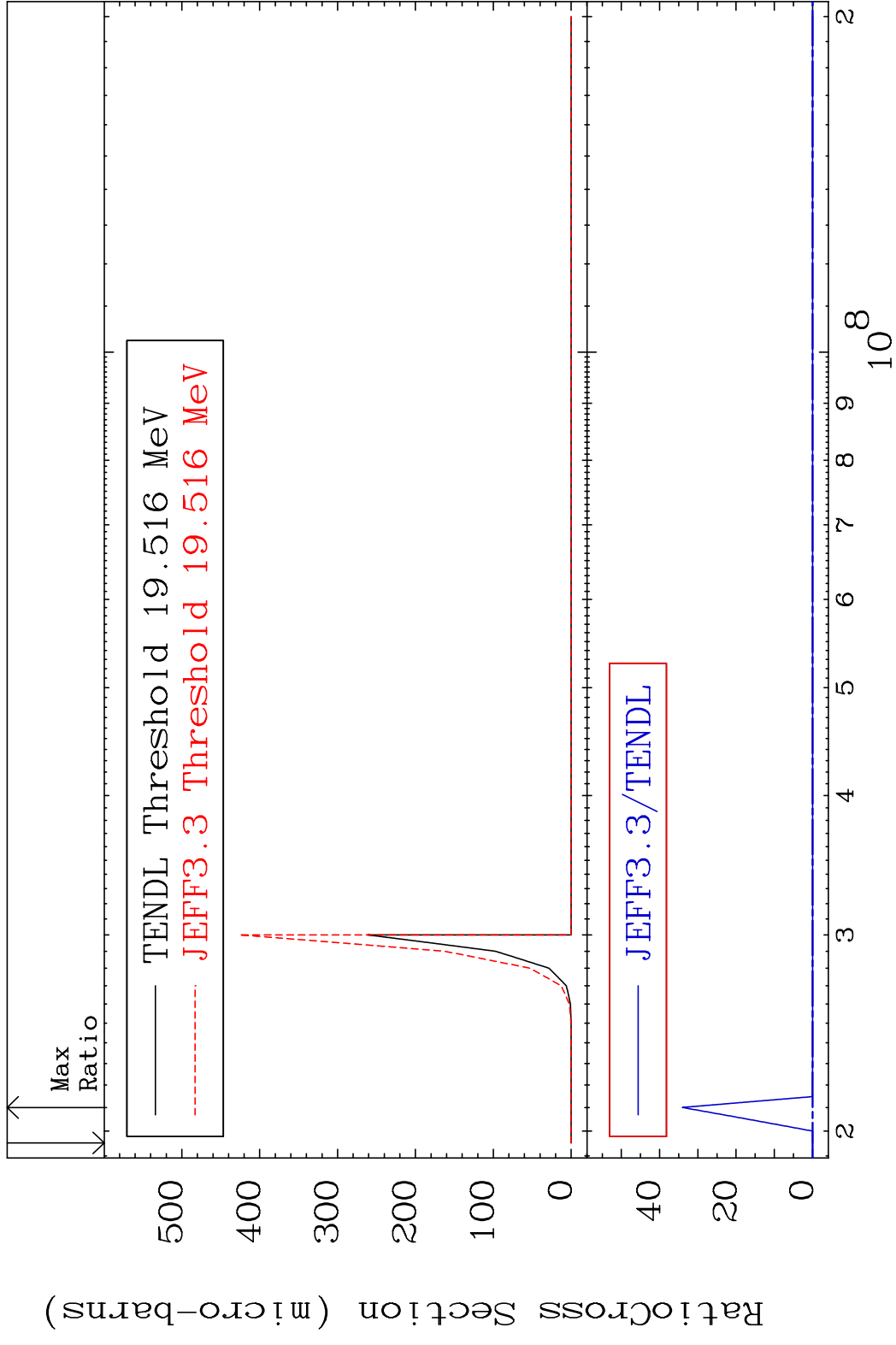
MAT 7326 (n, n') He-3:71-Lu-177m29 73-Ta-180m
 Radionuclide Production Cross Section to 399.4 %



MAT 7326 (n,2n) p:72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section Ratio 831.6 %

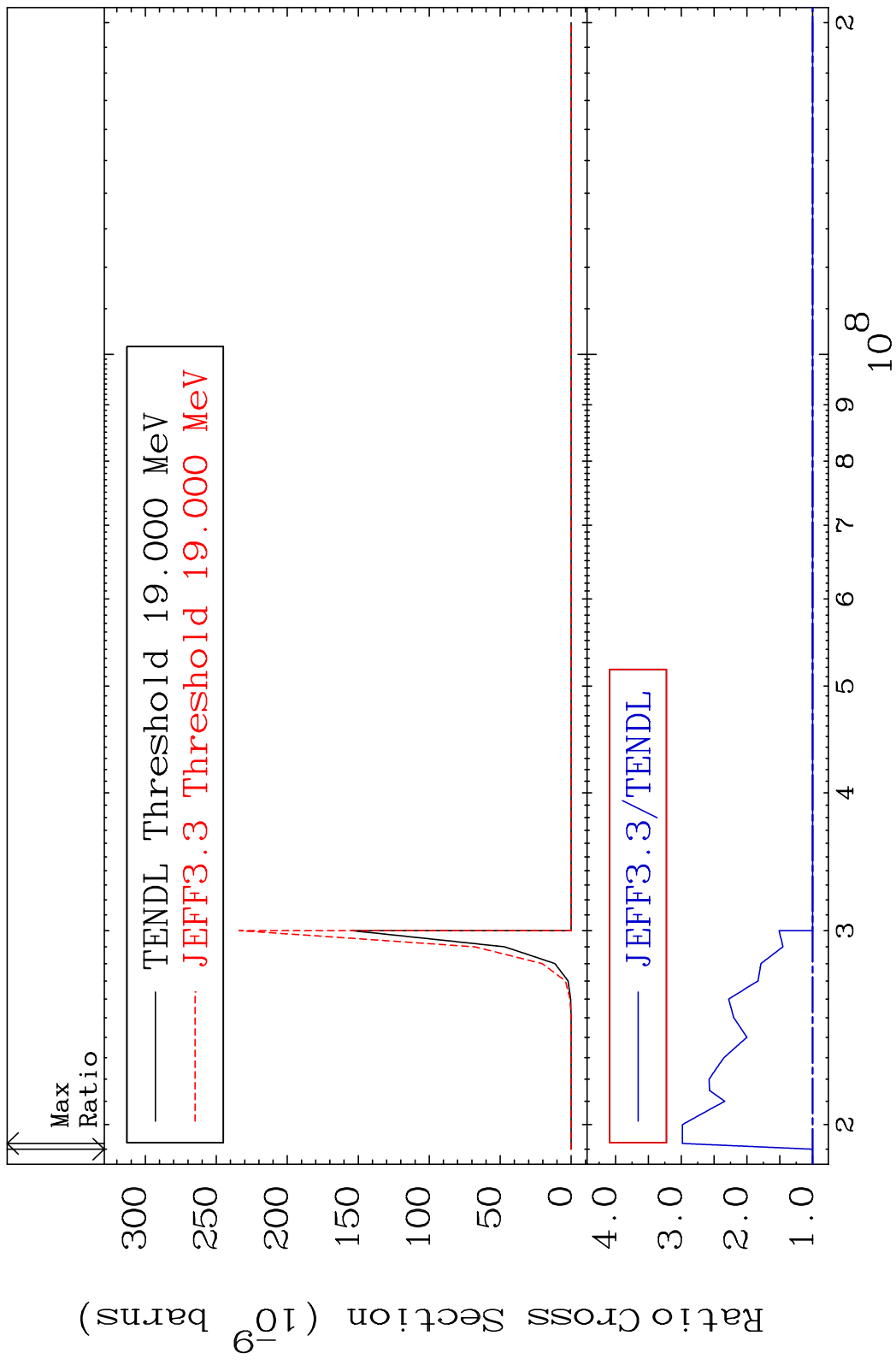


MAT 7326 (n,3n) p:72-Hf-177g 73-Ta-180m
 Radionuclide Production Cross Section 18000 dtd 9999. %

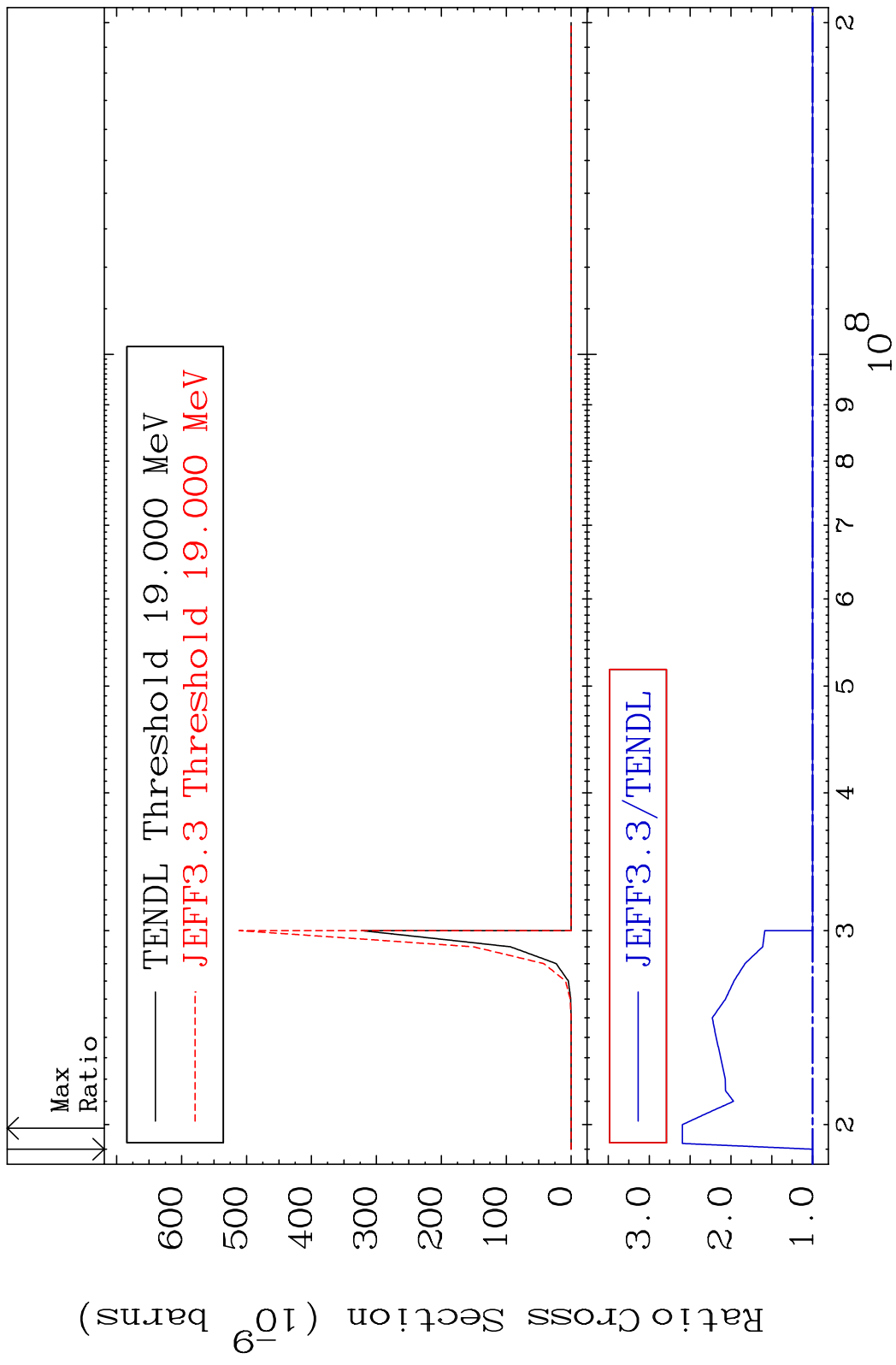


74 Incident Energy (eV) 73-Ta-180m

MAT 7326 (n,2n) p:71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section 198.3 %

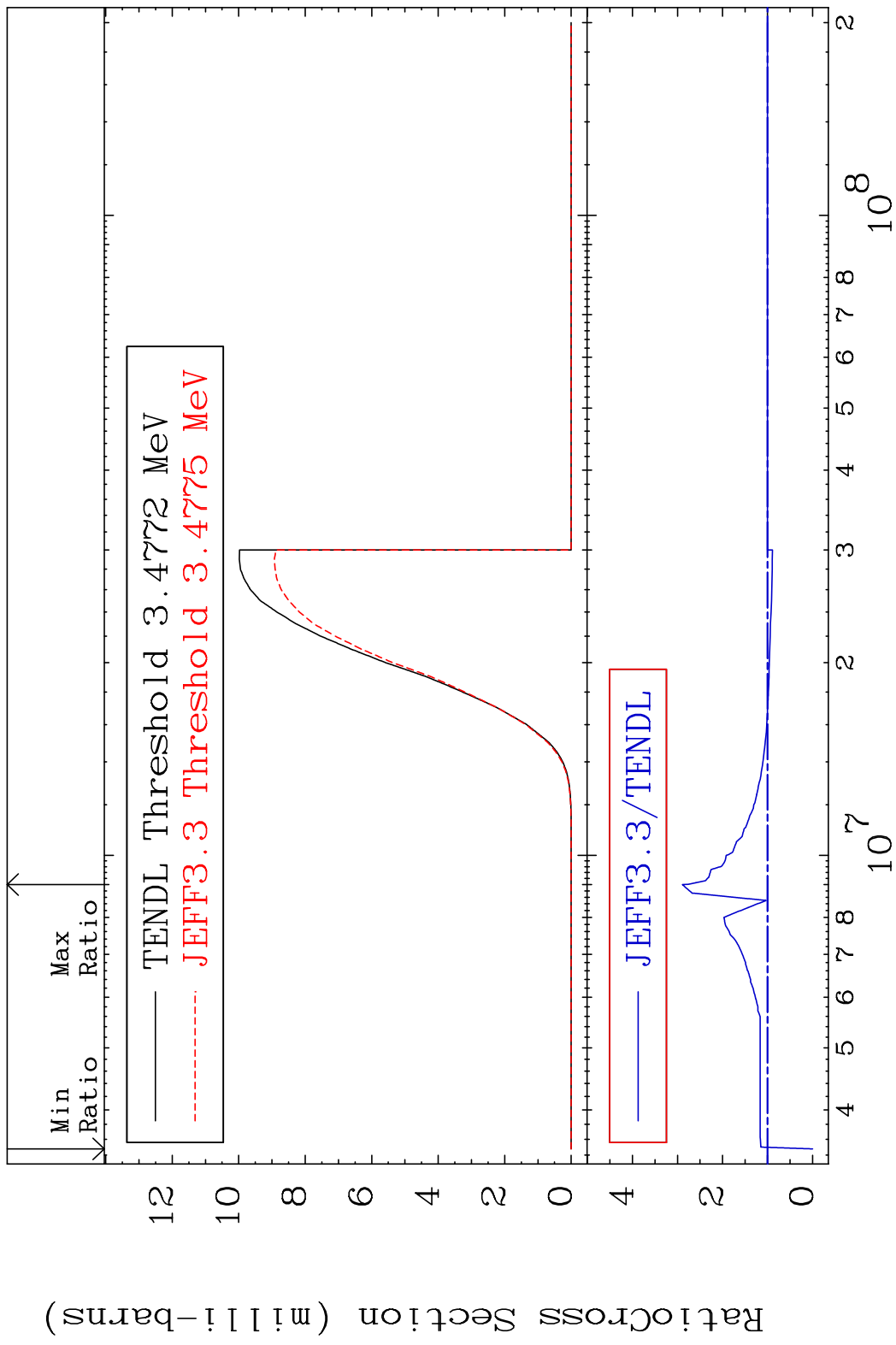


MAT 7326 (n,2n) p:71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section 159.4 %



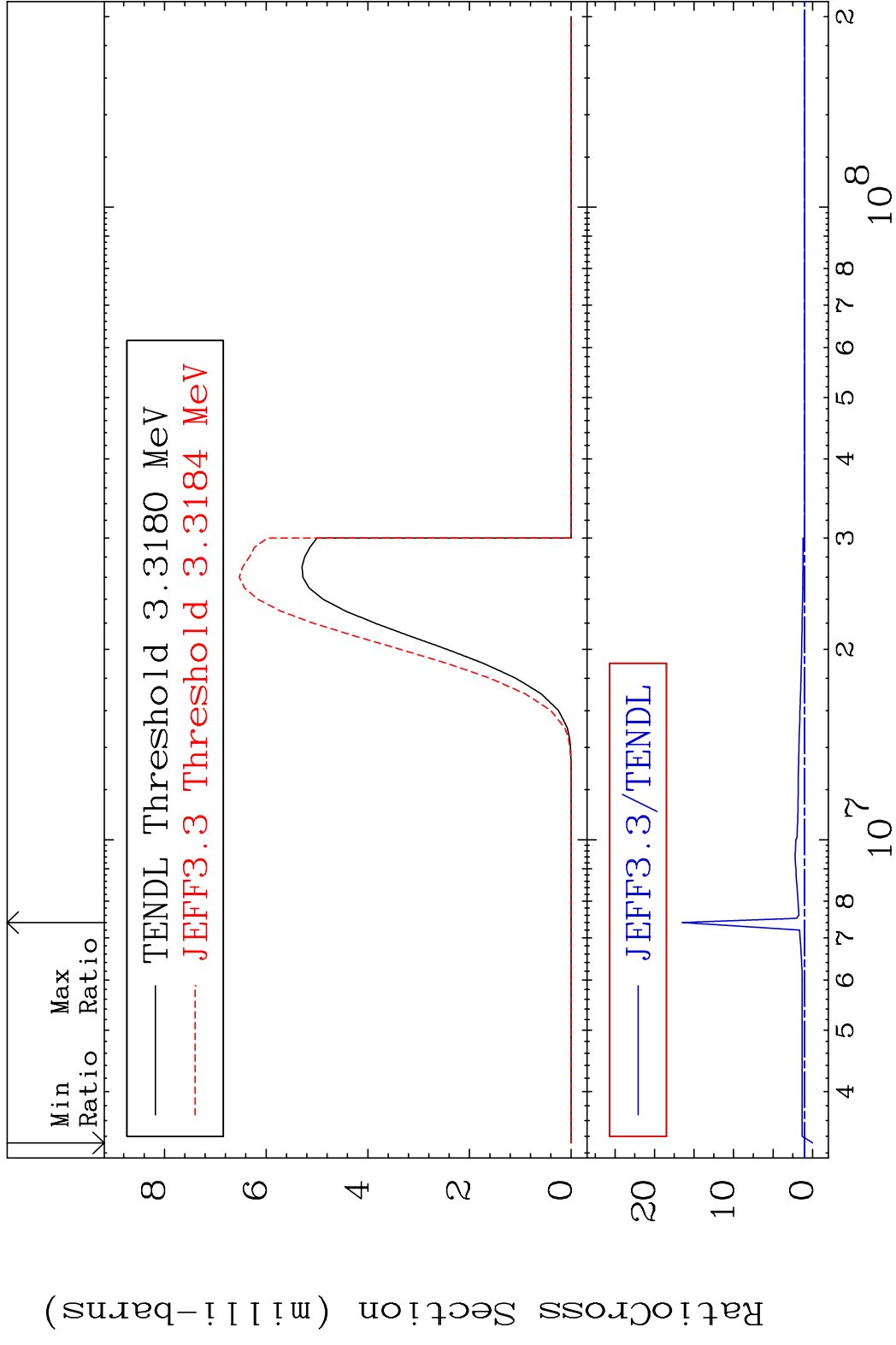
76 Incident Energy (eV) 73-Ta-180m

MAT 7326 (n, d): 72-Hf-179g 73-Ta-180m
 Radionuclide Production Cross Section 189.2 %

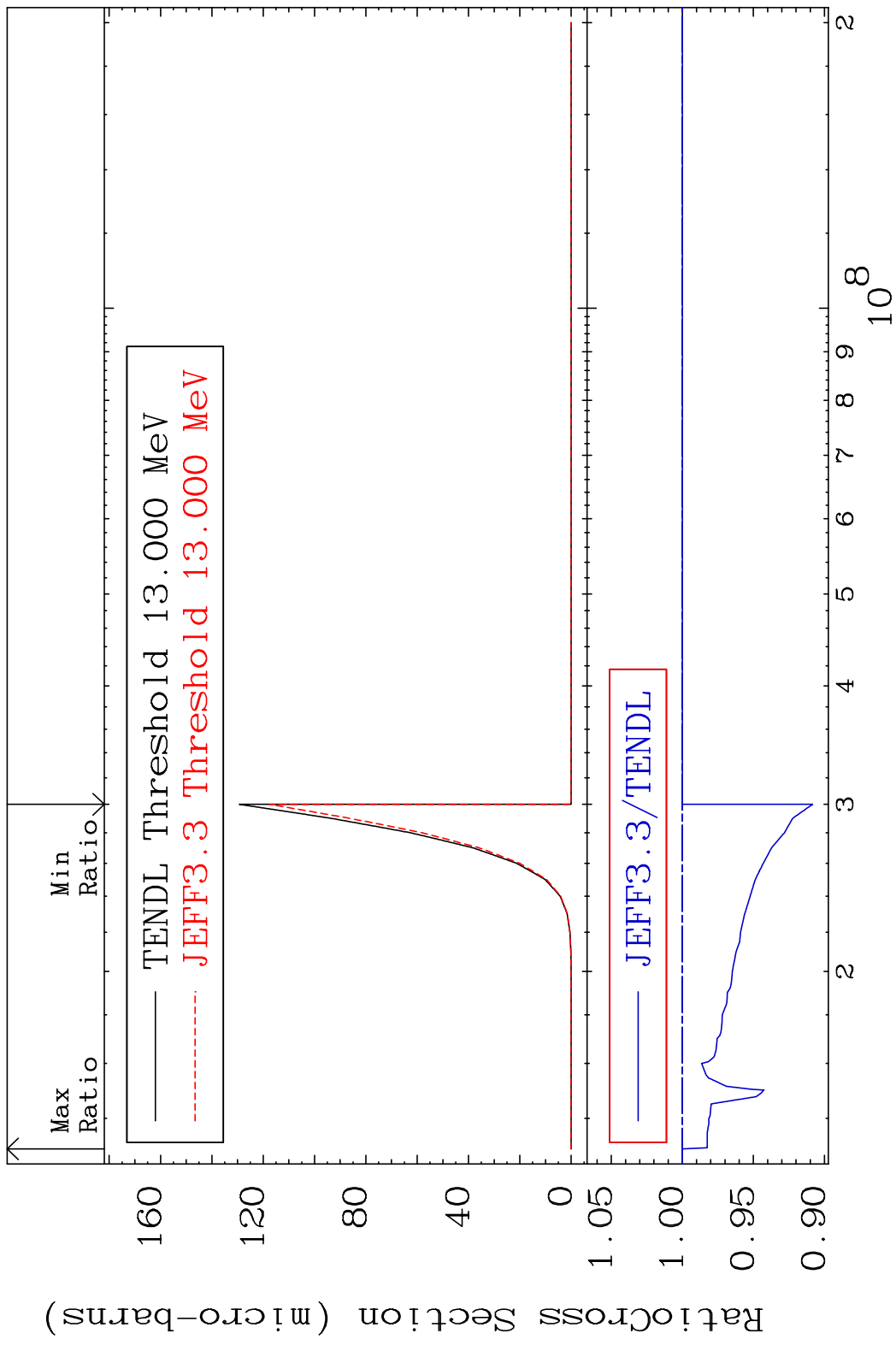


77 Incident Energy (eV) 73-Ta-180m

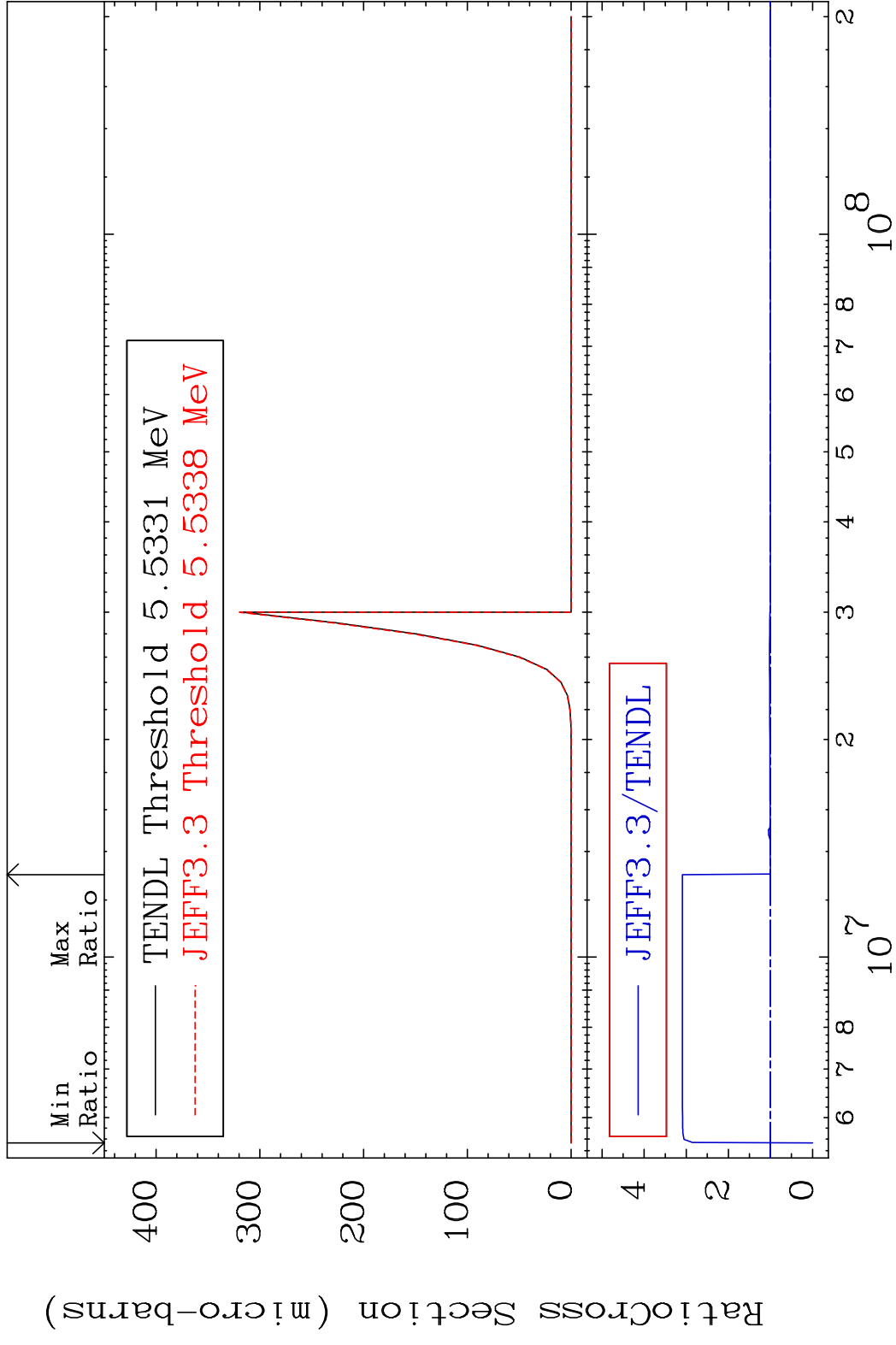
MAT 7326 (n, t):72-Hf-178g 73-Ta-180m
 Radionuclide Production Cross Section 1548.0 %



MAT 7326 (n, He-3): 71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section 95.661 dth 0.000 %

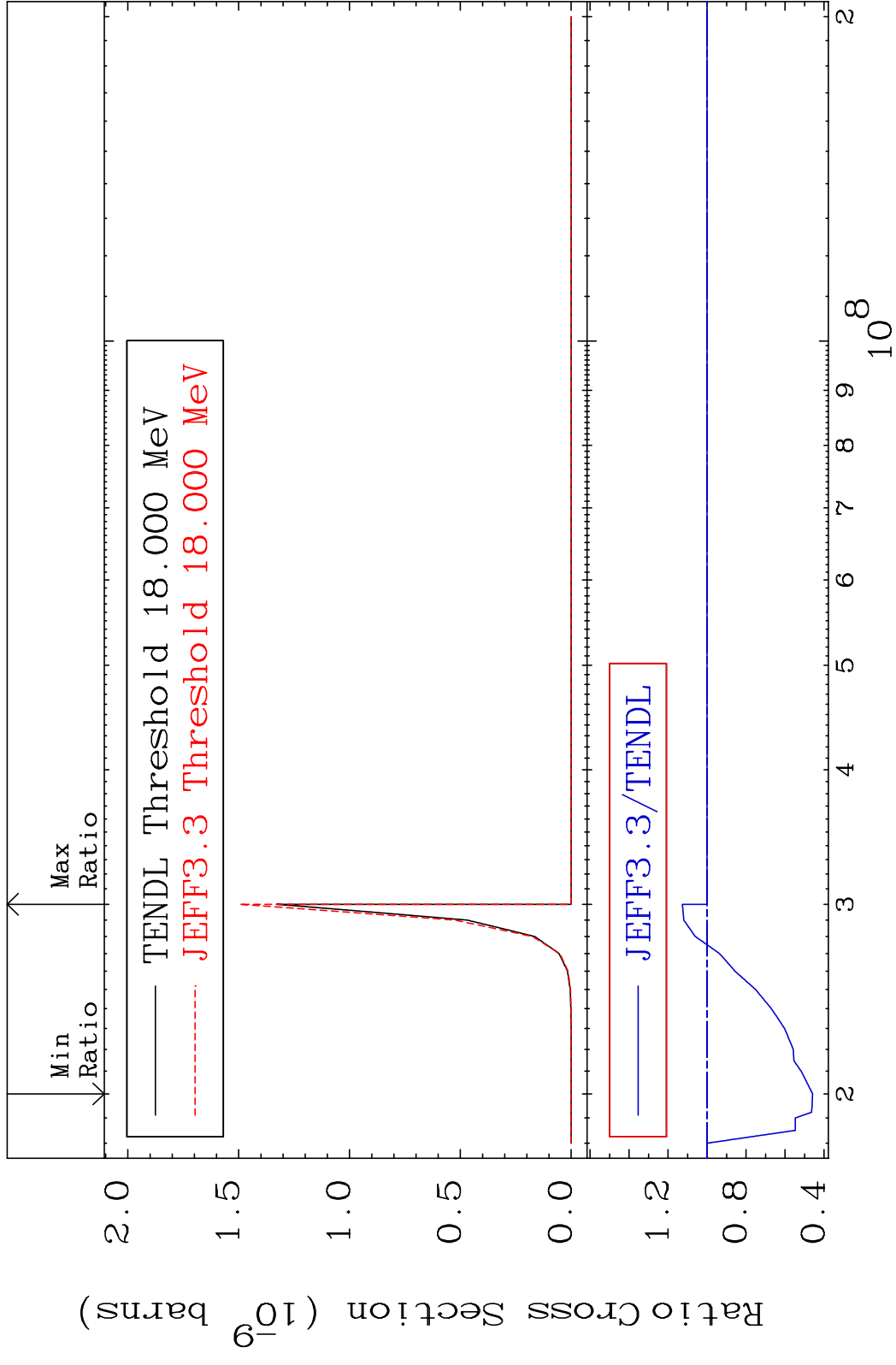


MAT 7326 (n, He-3) : 71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section Ratio 209.3 %

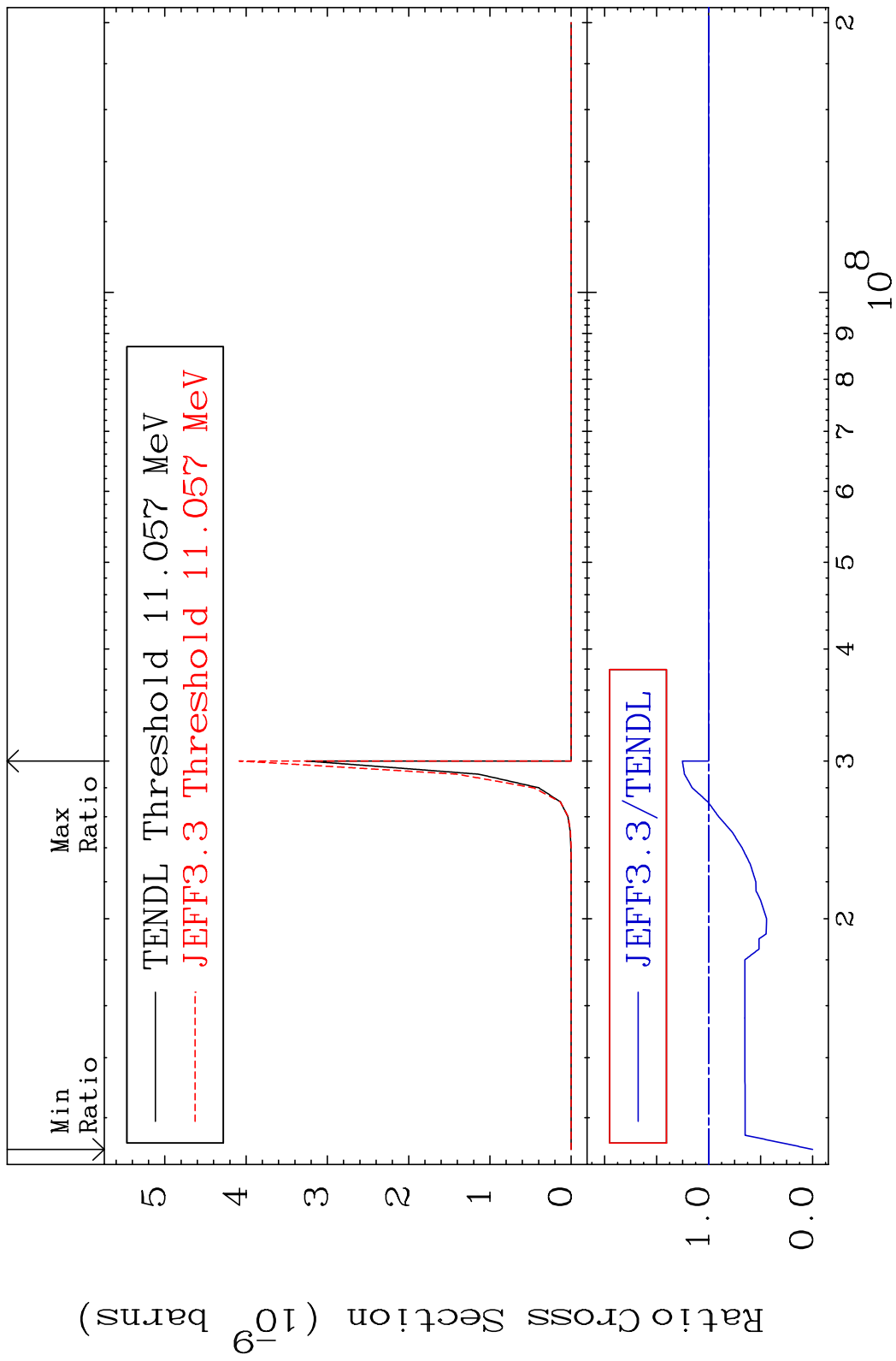


80 Incident Energy (eV) 73-Ta-180m

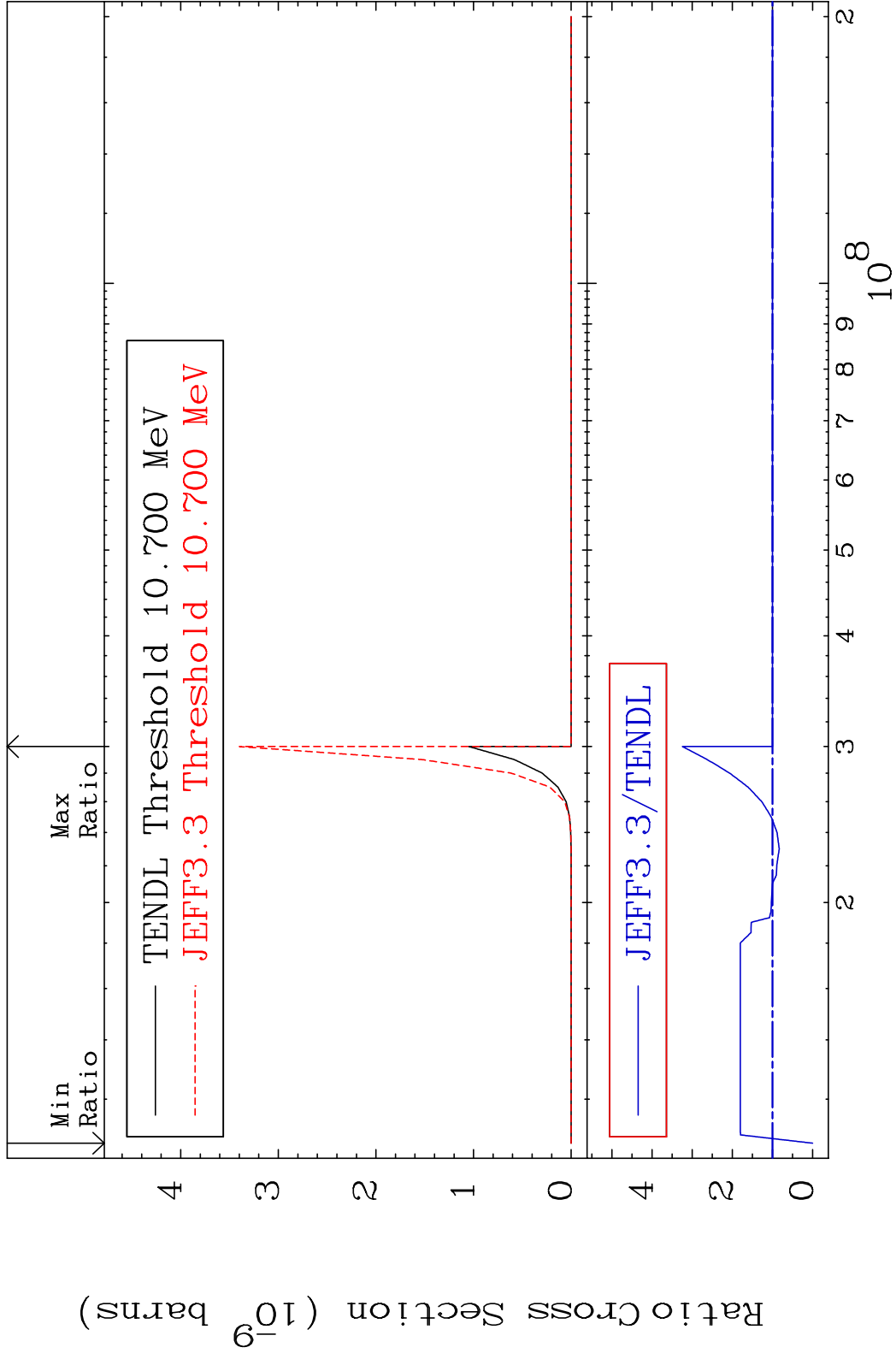
MAT 7326 (n,p) d:71-Lu-178g 73-Ta-180m
 Radionuclide Production Cross Section 5.4e-10 to 12.67 %



MAT 7326 (n, p) d:71-Lu-178m3 73-Ta-180m
 Radionuclide Production Cross Section 180.01 dth 25.30 %



MAT 7326 (n,p) t:71-Lu-177g 73-Ta-180m
 Radionuclide Production Cross Section 180.0 d to 224.6 %



MAT 7326 (n,p) t:71-Lu-177m29 73-Ta-180m
 Radionuclide Production Cross Section 65e331d10 239.4 %

