

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

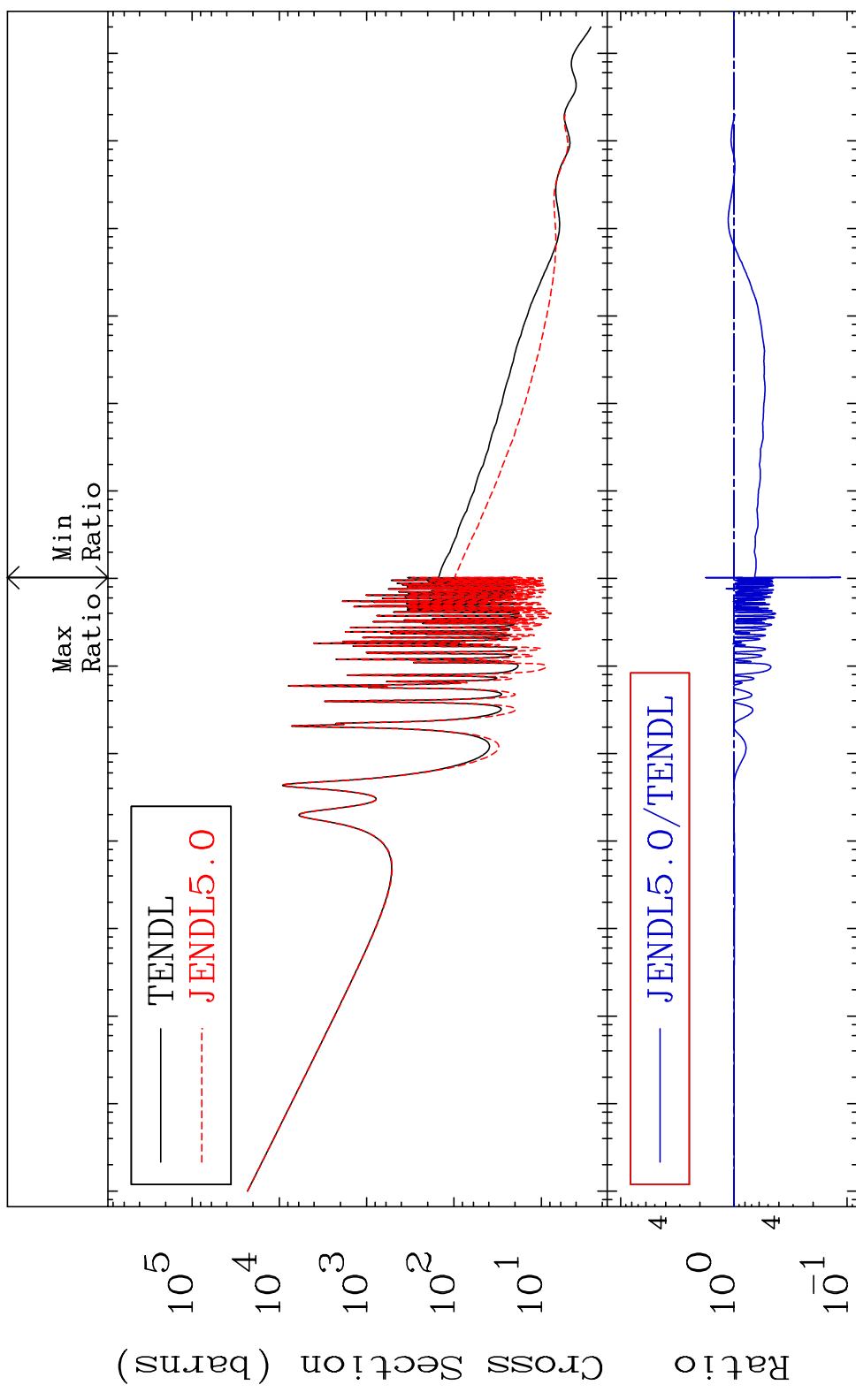
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7326

Total Cross Section -88.53 To 77.30 %  
73-Ta-180m



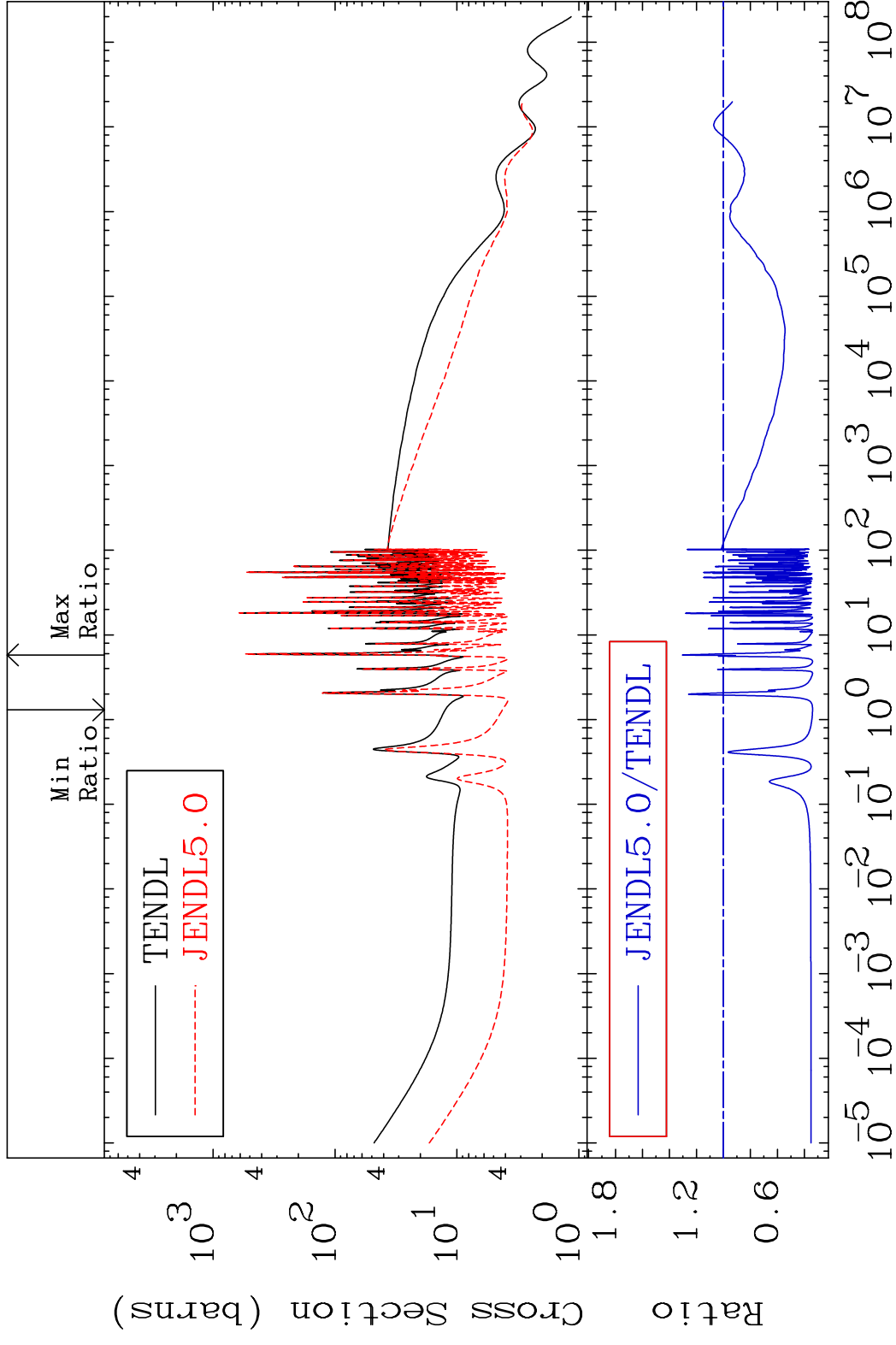
1 Incident Energy (eV) 73-Ta-180m

MAT 7326

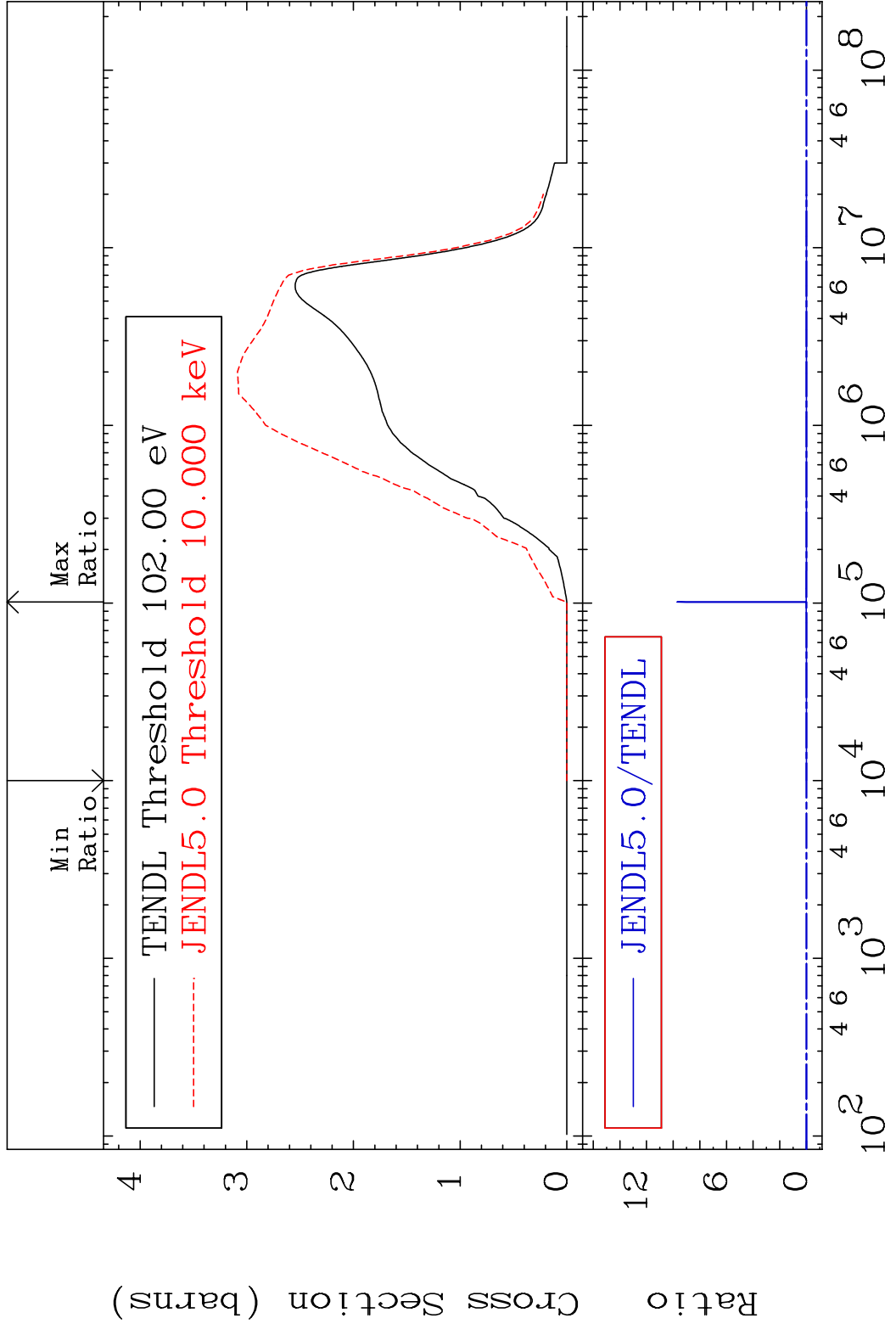
Elastic

73-Ta-180m

Cross Section -66.06 To 30.43 %



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



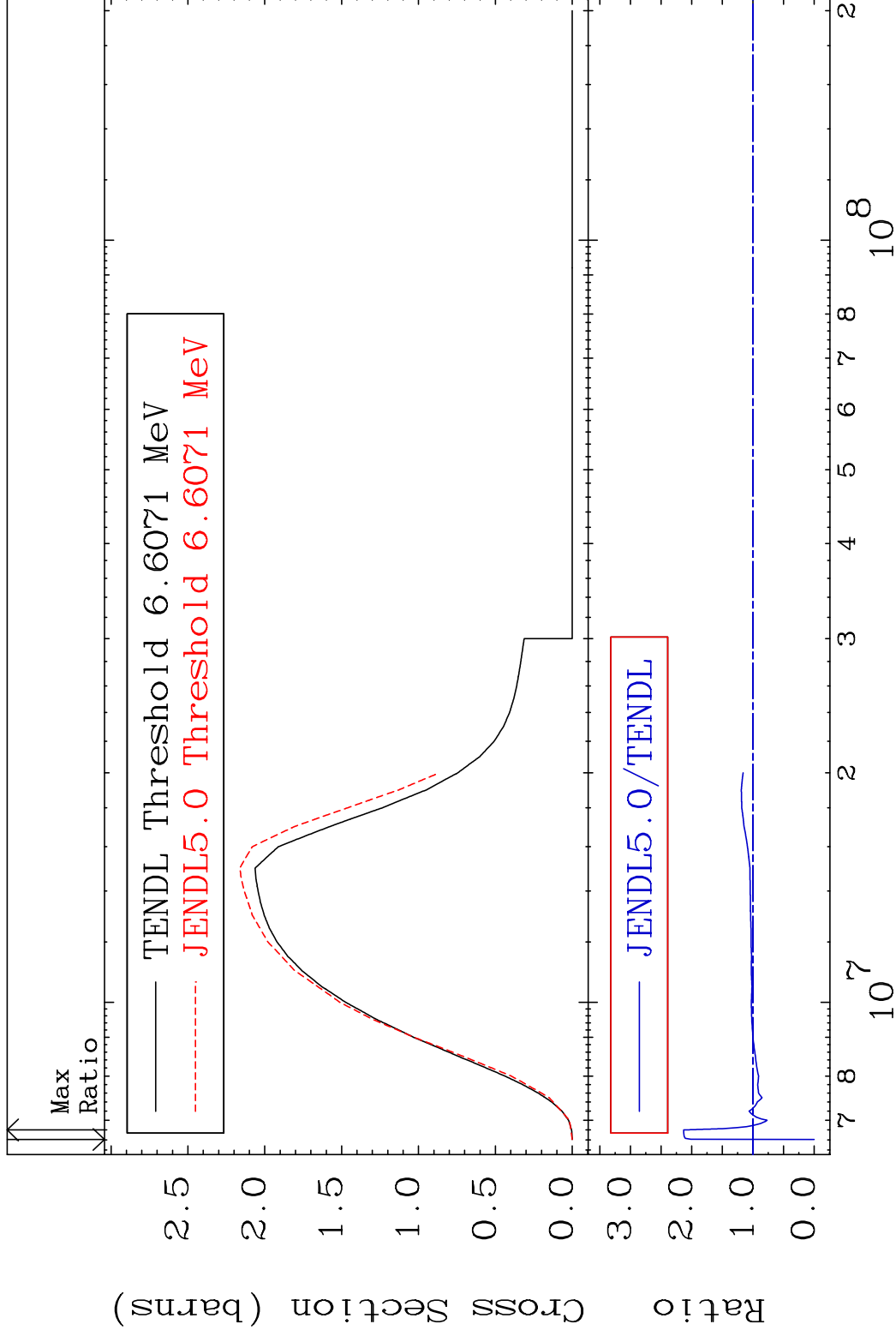
3 Incident Energy (eV) 73-Ta-180m

MAT 7326

(n,2n)

73-Ta-180m

Cross Section -100.0 To 113.1 %



4

Incident Energy (eV)

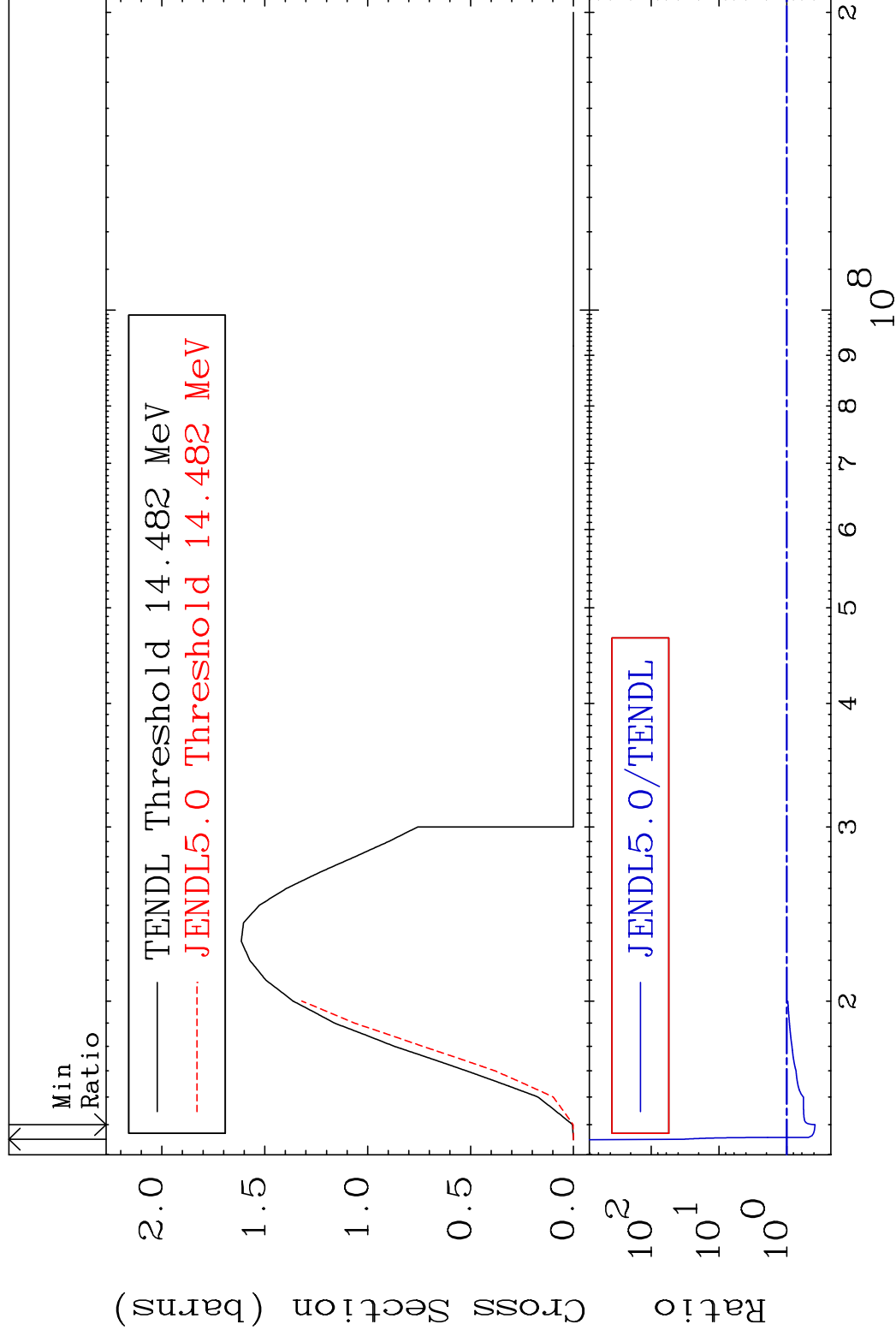
73-Ta-180m

MAT 7326

(n,3n)

73-Ta-180m

Cross Section -61.54 To 3104. %



5

Incident Energy (eV)

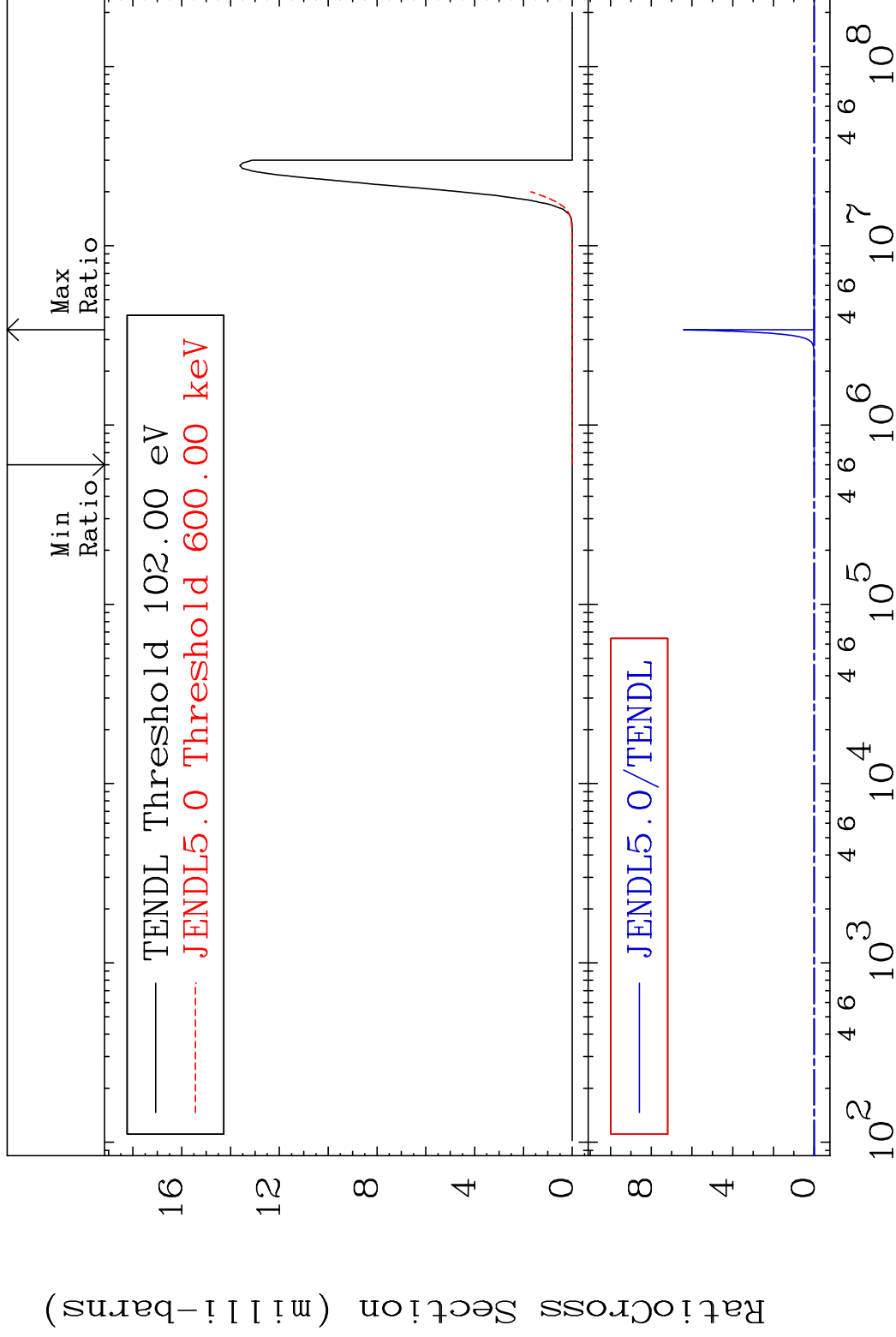
73-Ta-180m

MAT 7326

(n, n')  $\alpha$

73-Ta-180m

Cross Section -100.0 To 9999. %

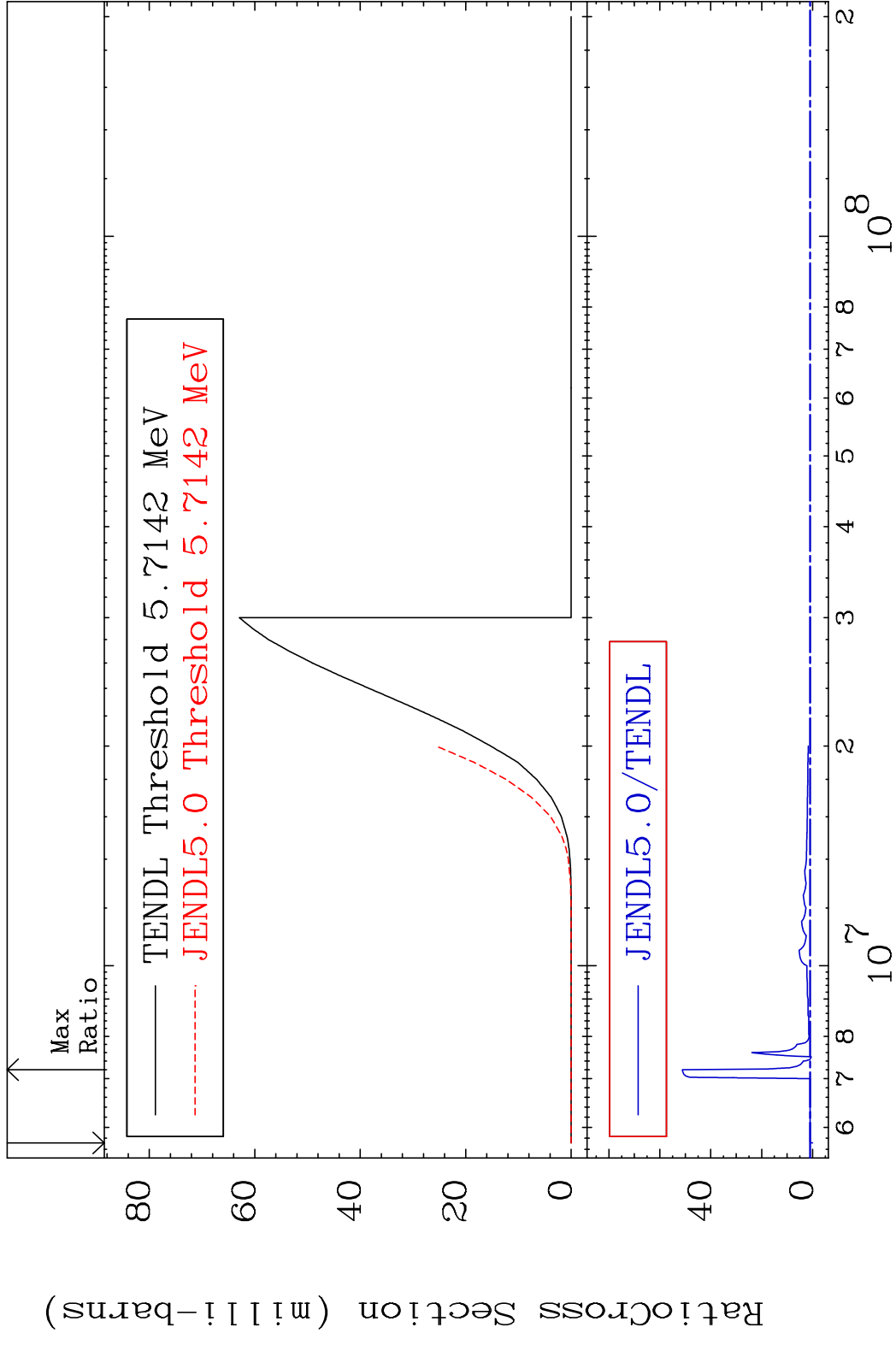


6

Incident Energy (eV)

73-Ta-180m

MAT 7326 (n, n') p 73-Ta-180m  
 Cross Section -100.0 To 5015. %



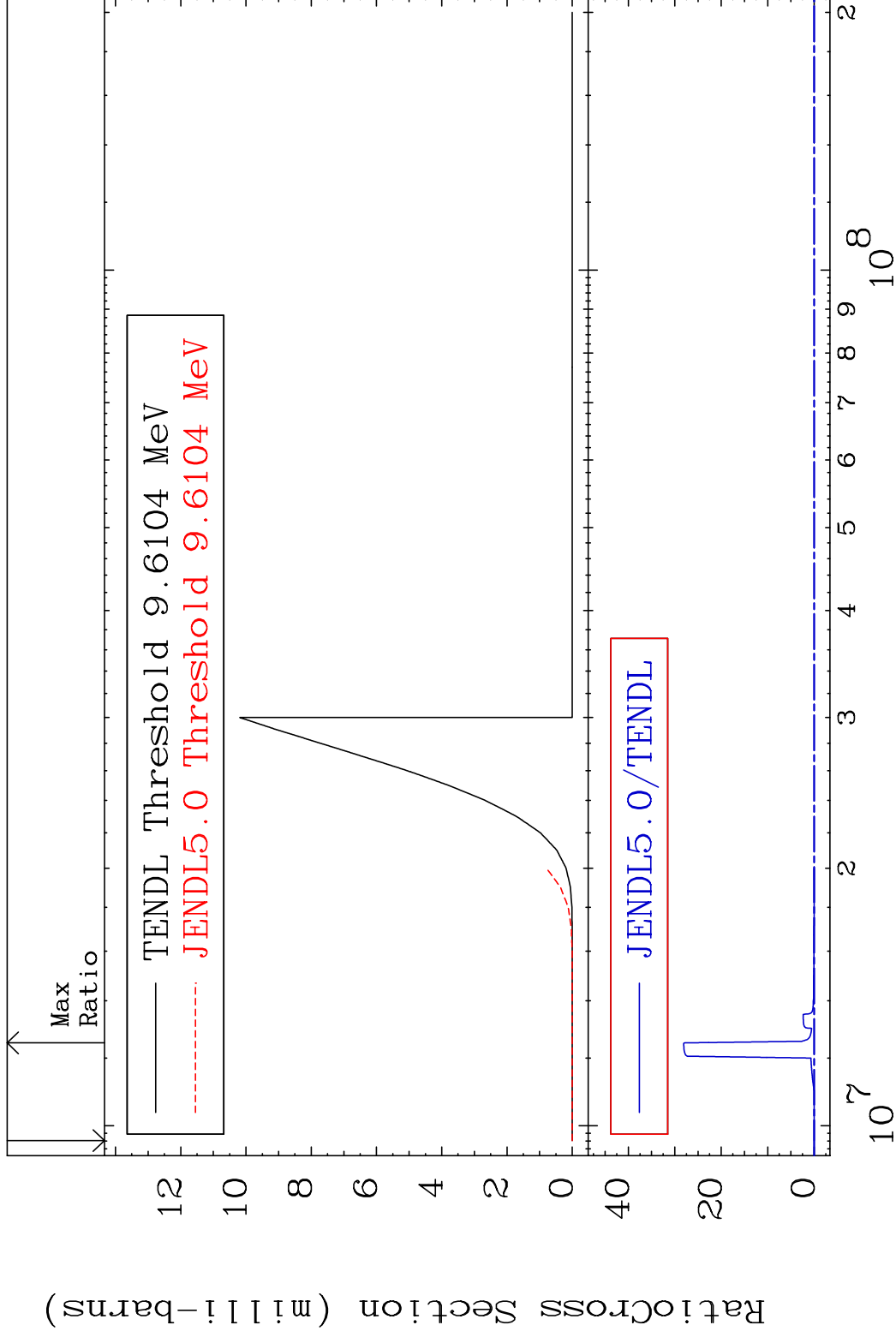
7 73-Ta-180m

MAT 7326

(n, n') d

73-Ta-180m

Cross Section -100.0 To 9999. %

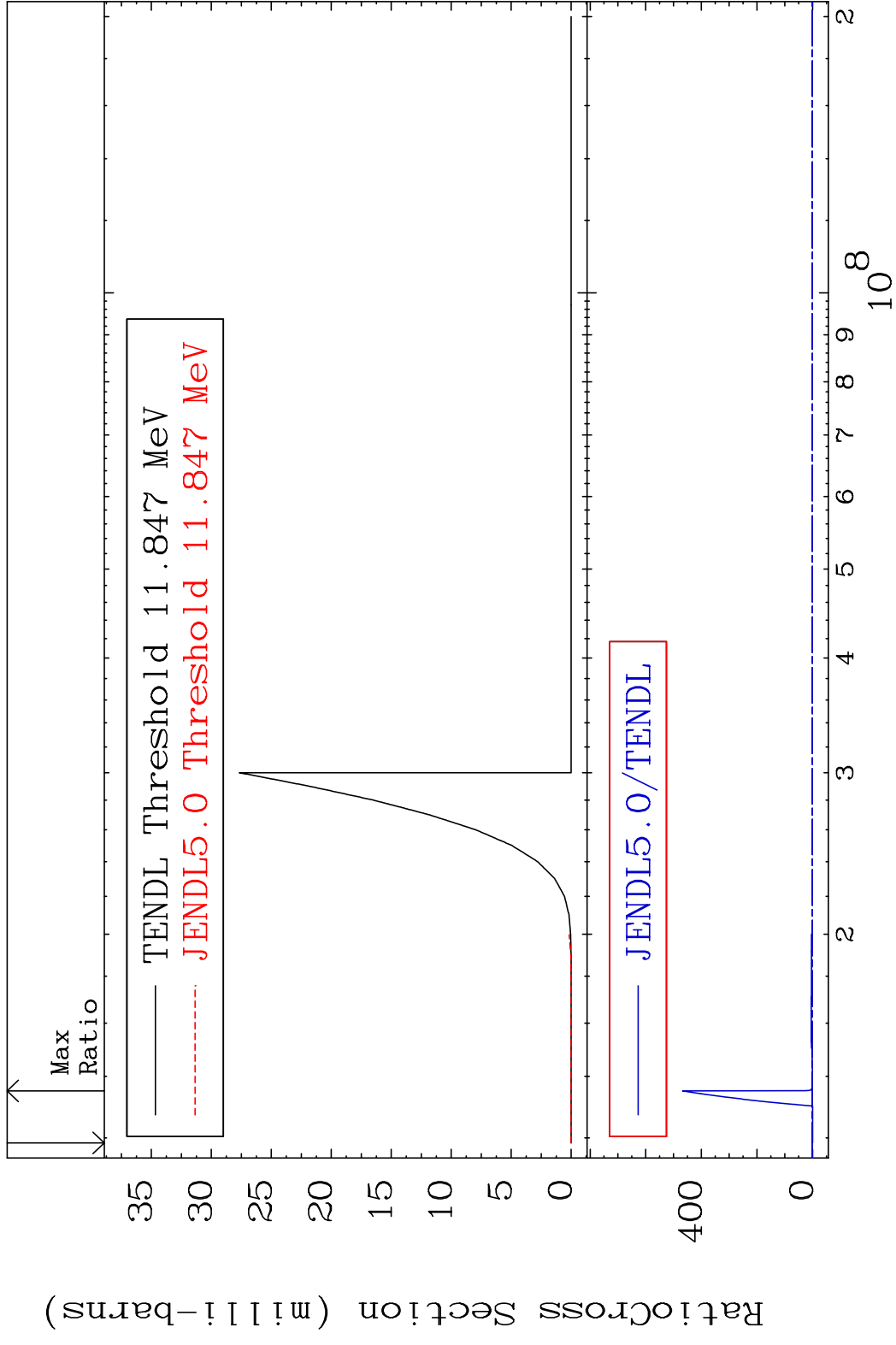


8

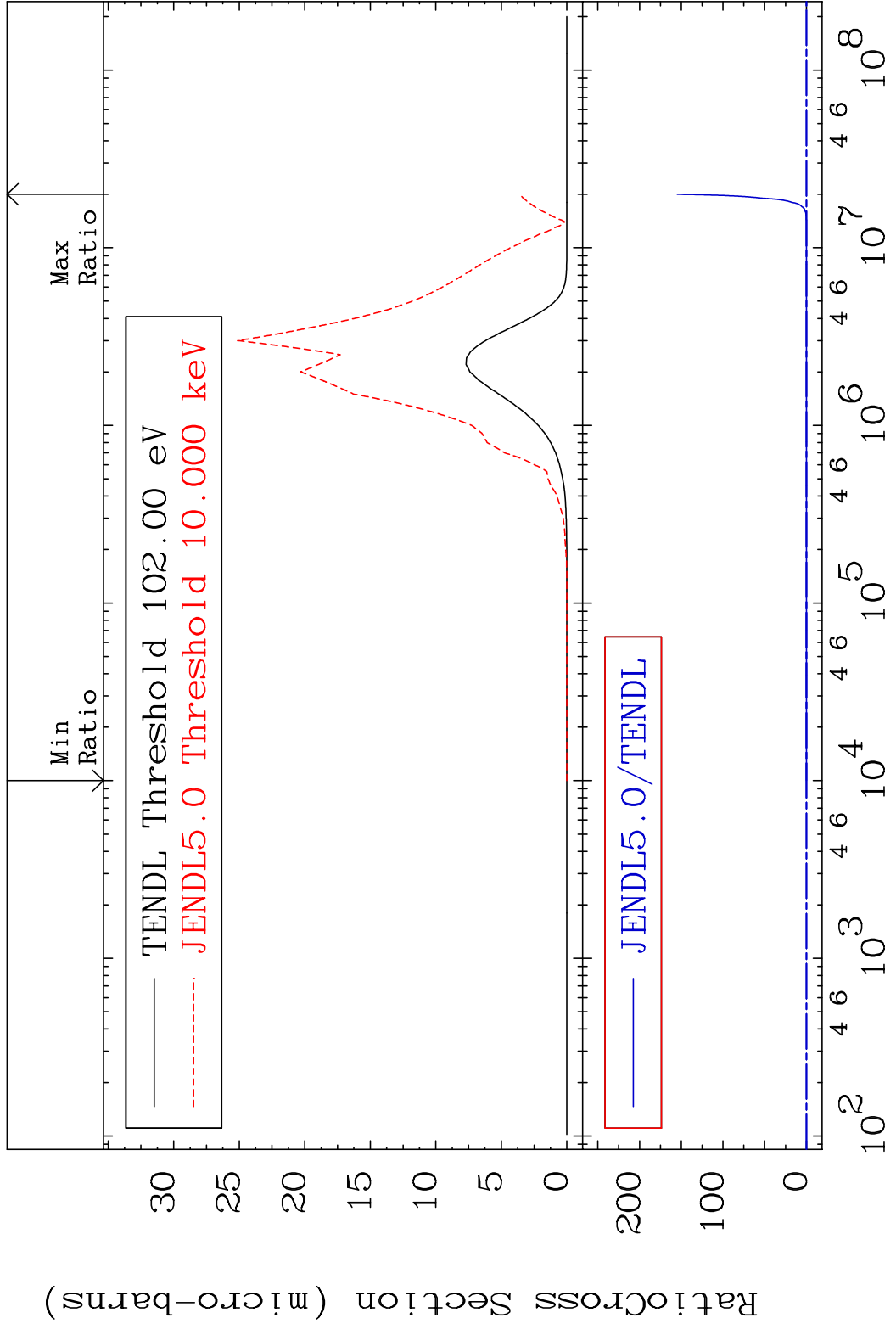
Incident Energy (eV)

73-Ta-180m

MAT 7326 (n,2n) p 73-Ta-180m  
 Cross Section -100.0 To 9999. %



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

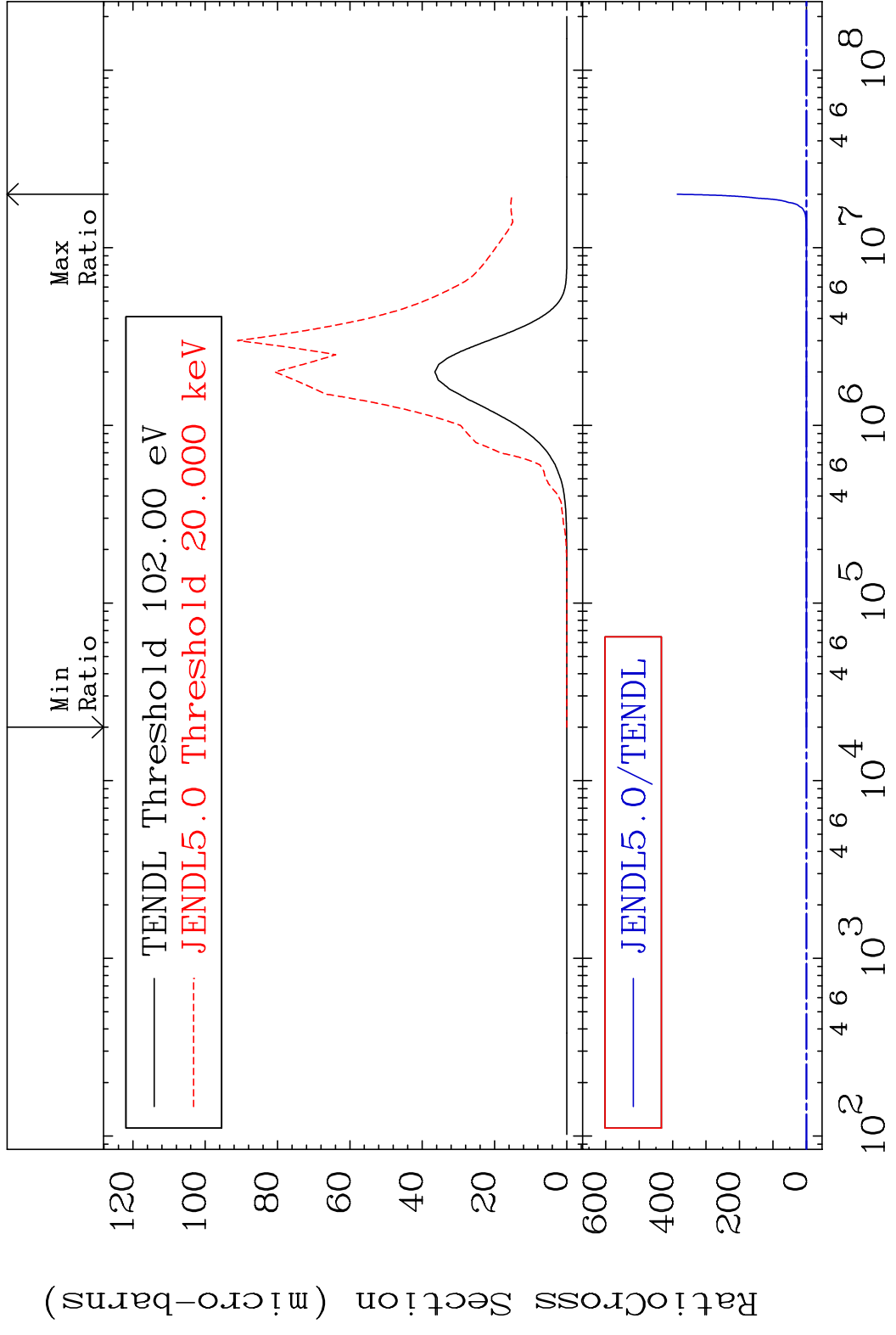


10 100 200 30 25 20 15 10 5 0 0 100 200

10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

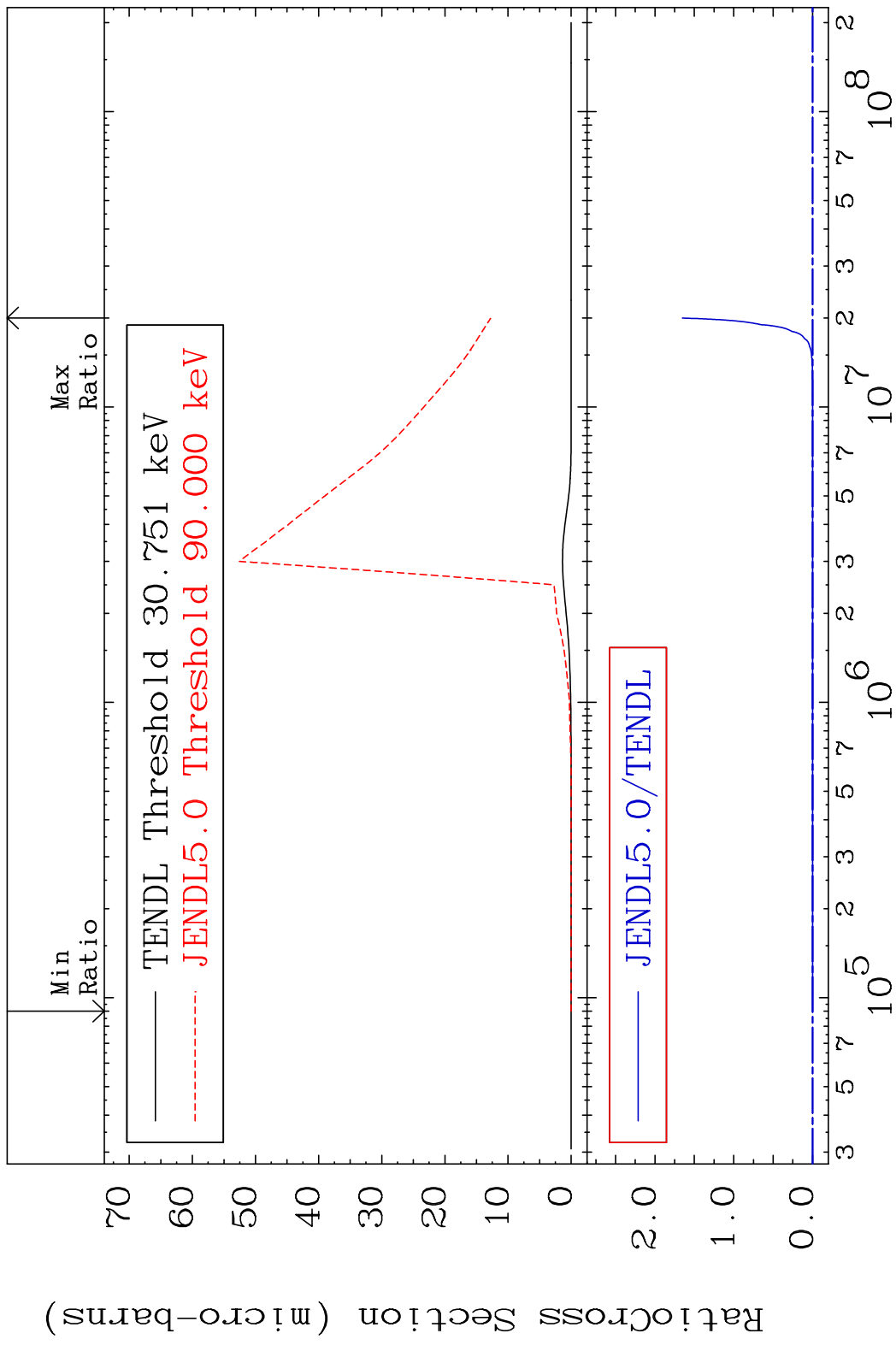
73-Ta-180m

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



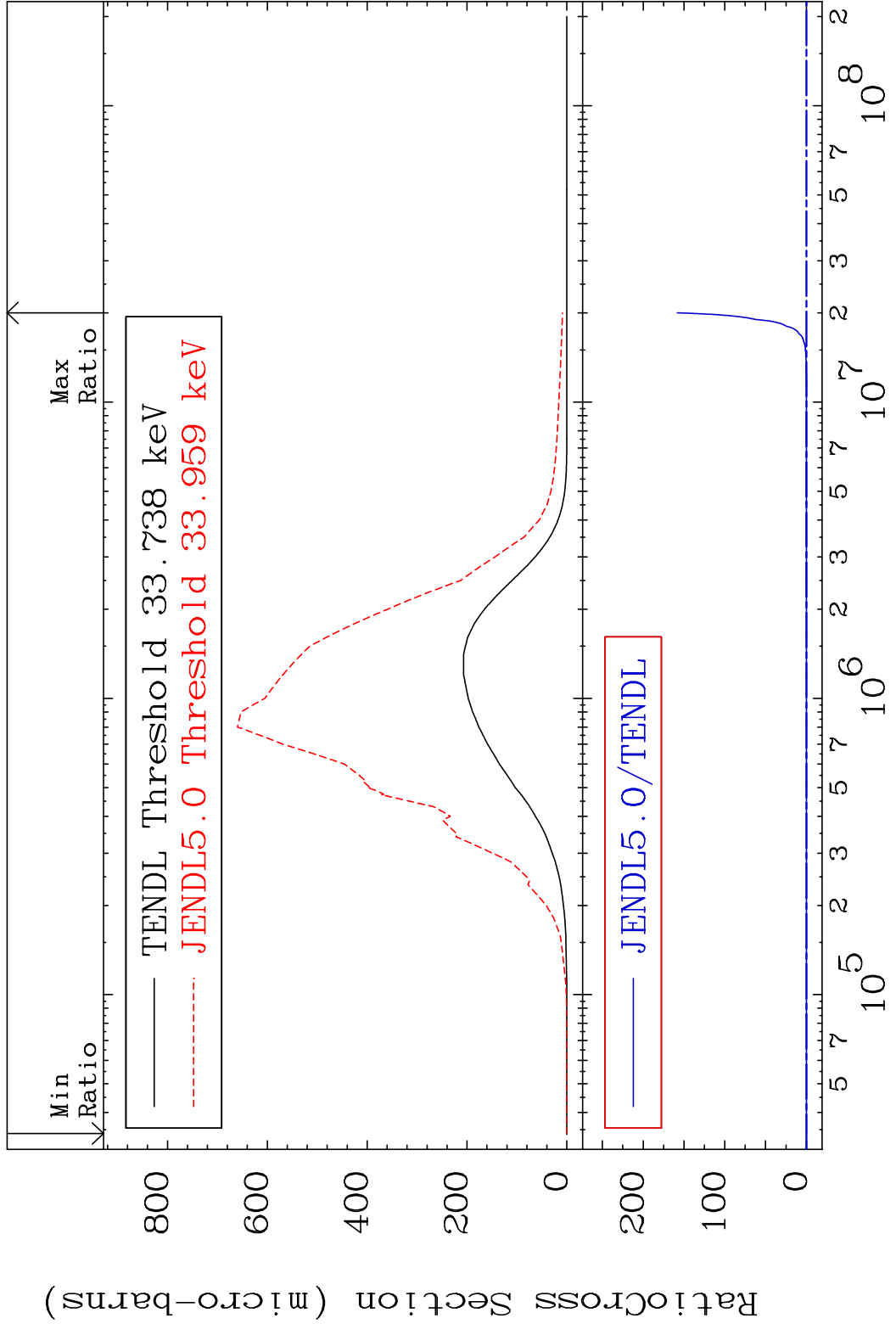
11 Incident Energy (eV) 73-Ta-180m

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

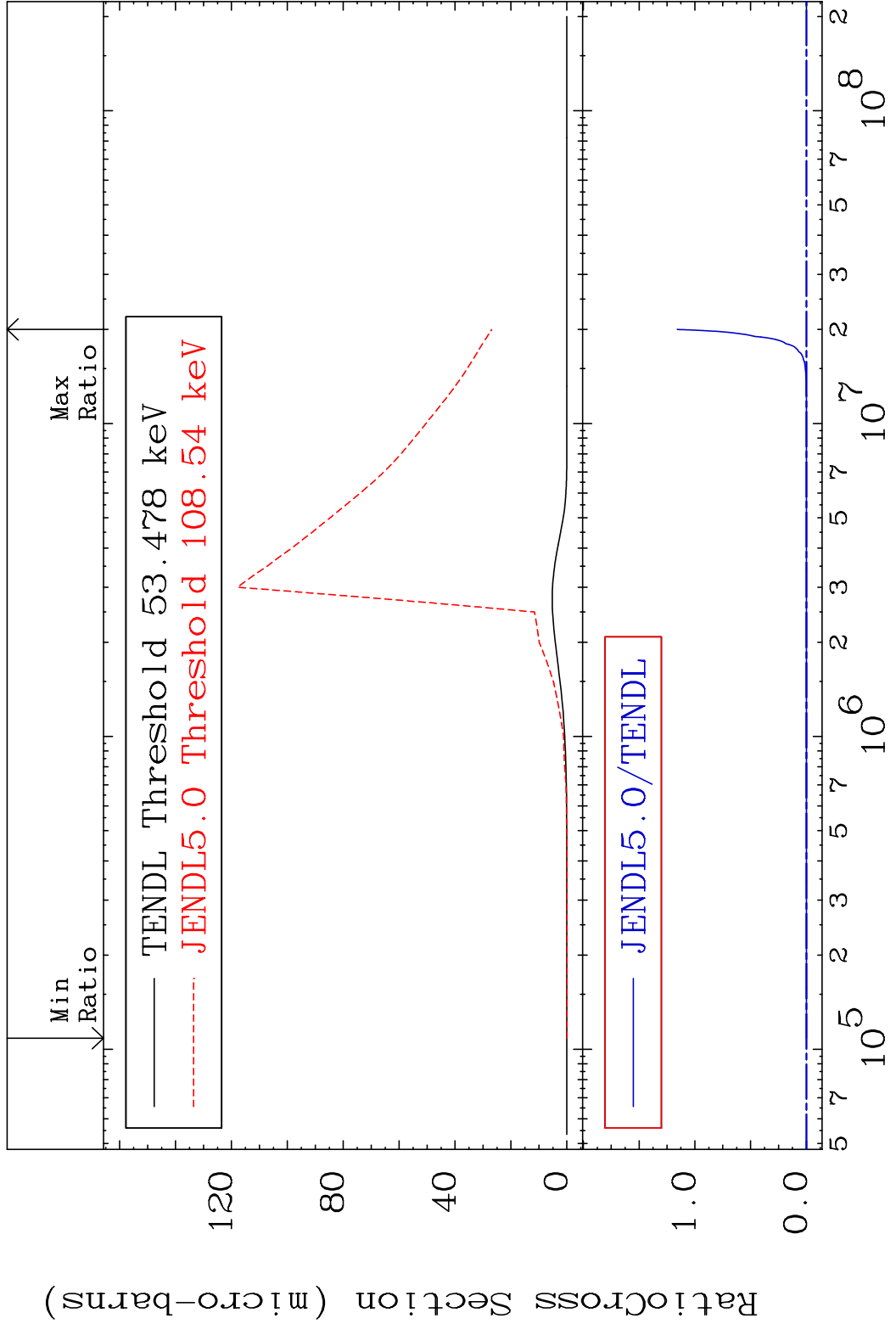


12 Incident Energy (eV) 73-Ta-180m

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

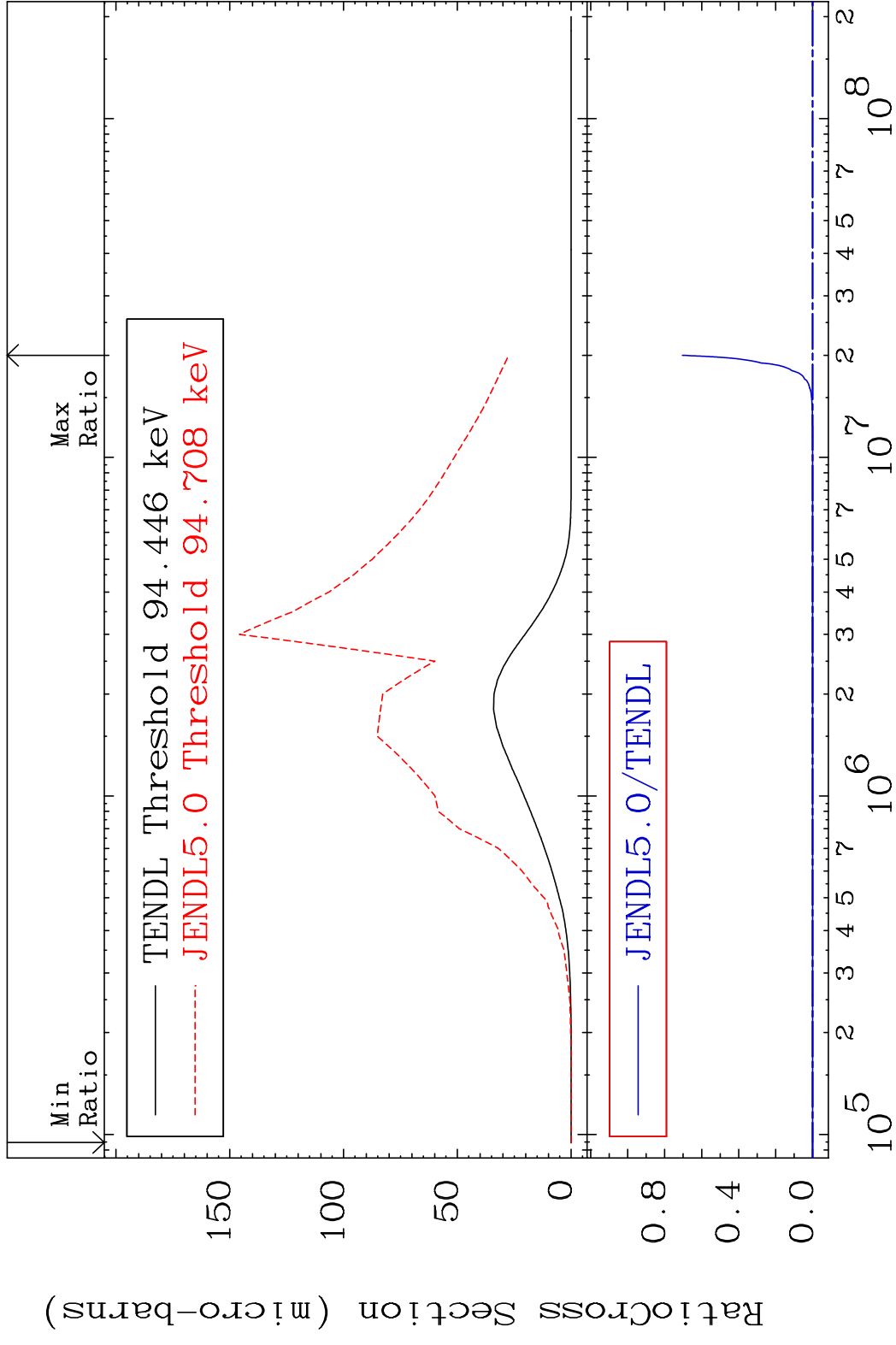


MAT 7326 MT= 55 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



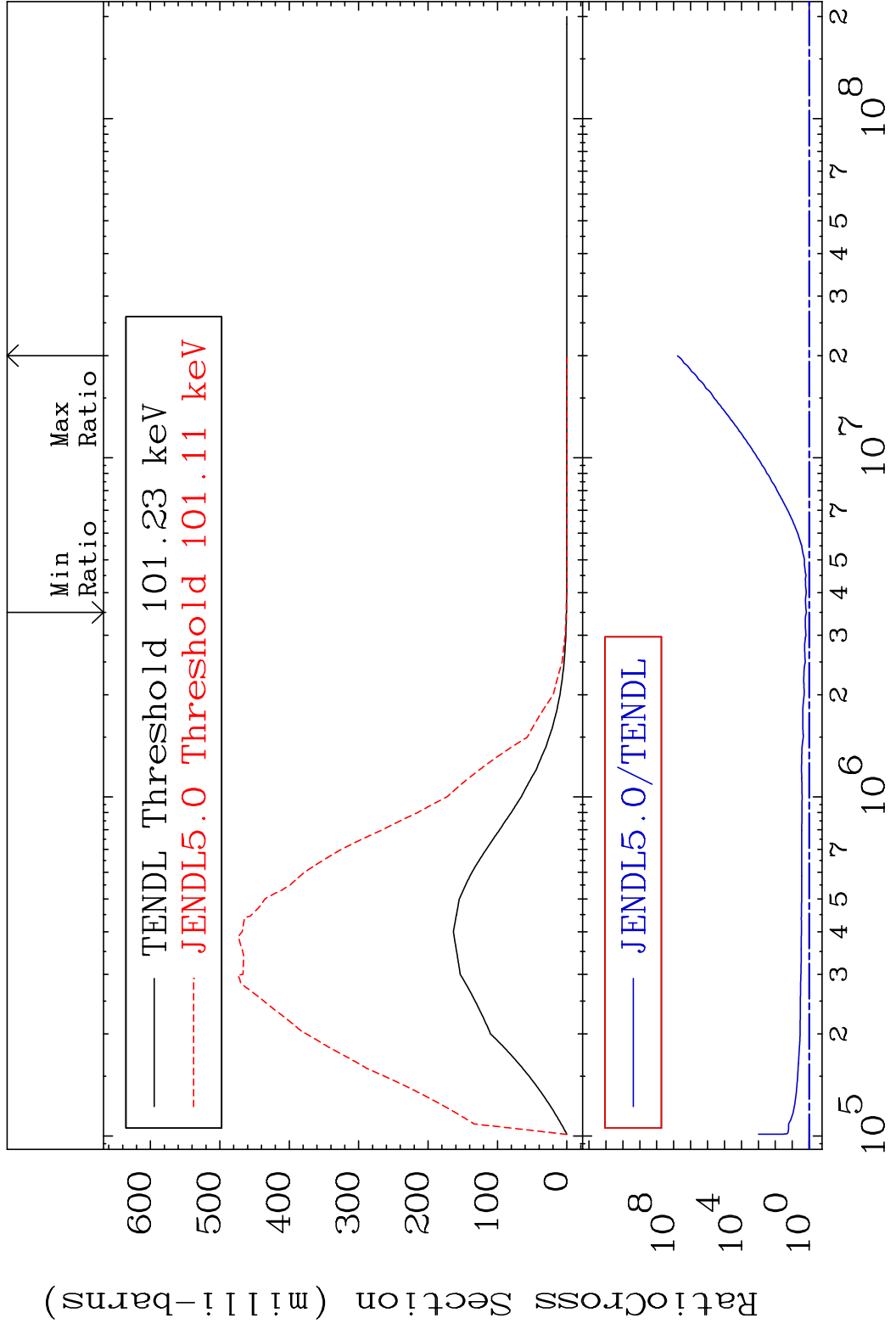
14 Incident Energy (eV) 73-Ta-180m

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



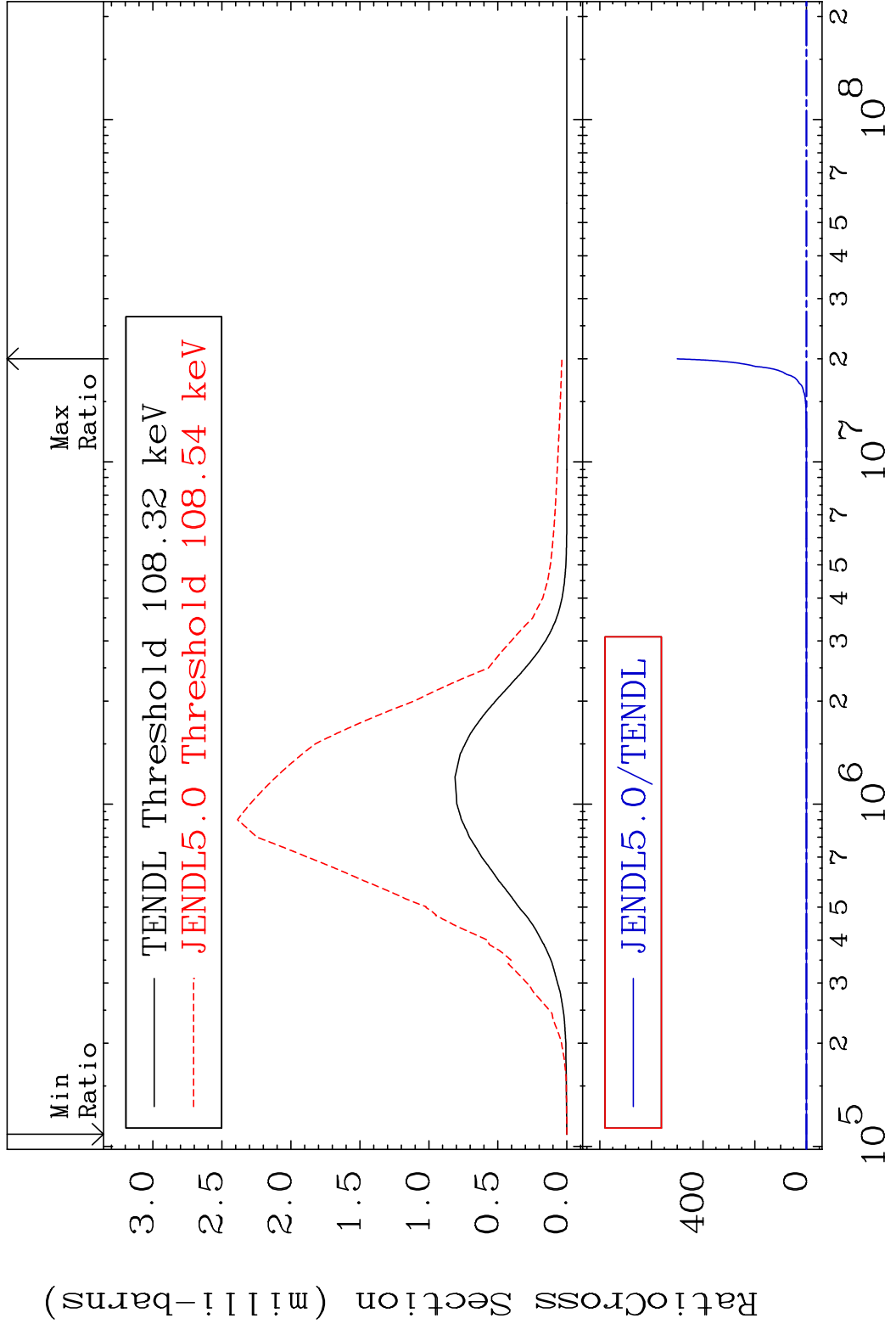
15 Incident Energy (eV) 73-Ta-180m

MAT 7326 MT= 57 (n, n') Level 73-Ta-180m  
 Cross Section 46.12 To 9999. %



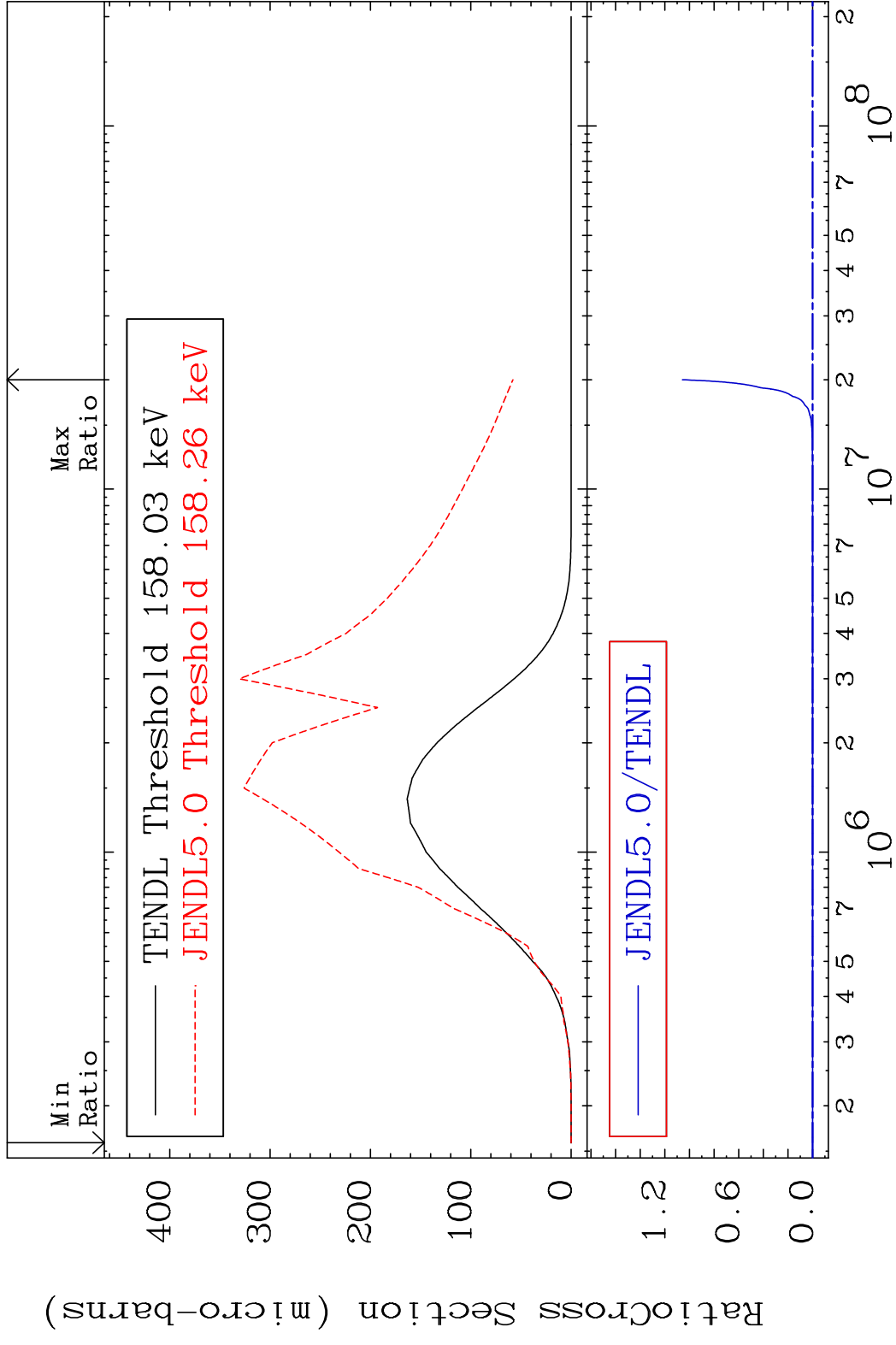
16 Incident Energy (eV) 73-Ta-180m

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

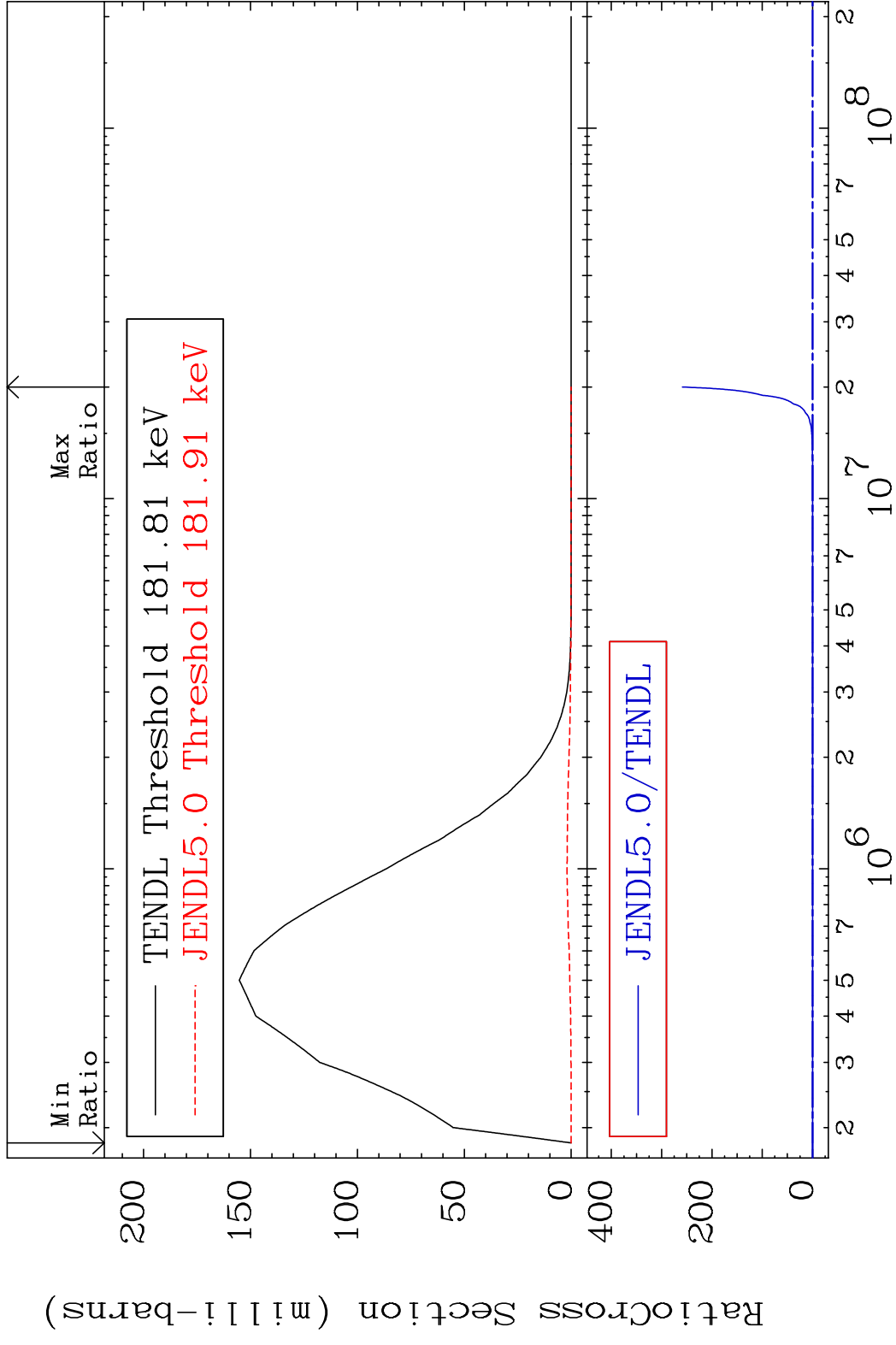


17 Incident Energy (eV) 73-Ta-180m

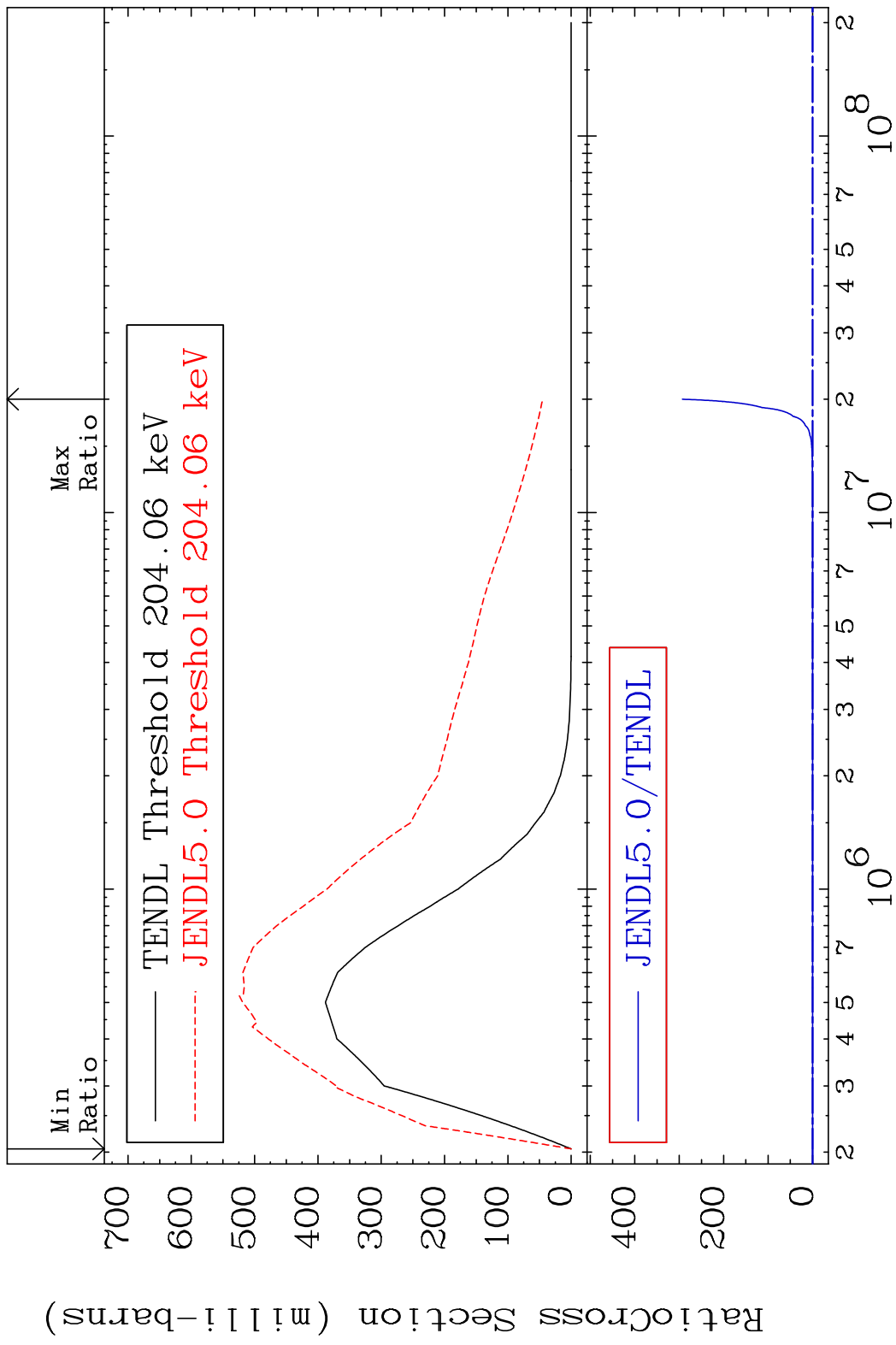
MAT 7326 MT= 59 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



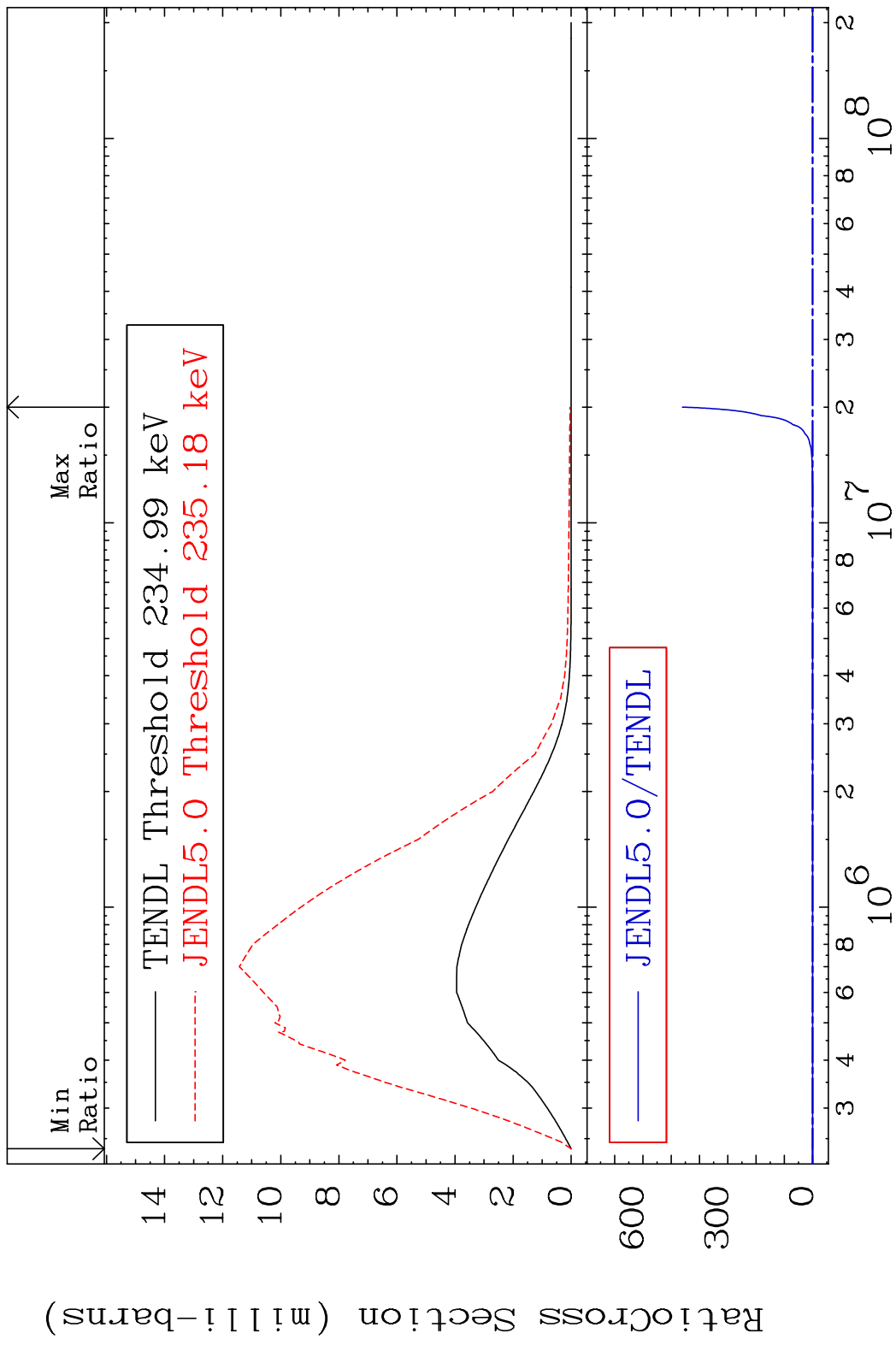
MAT 7326 MT= 60 (n,n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



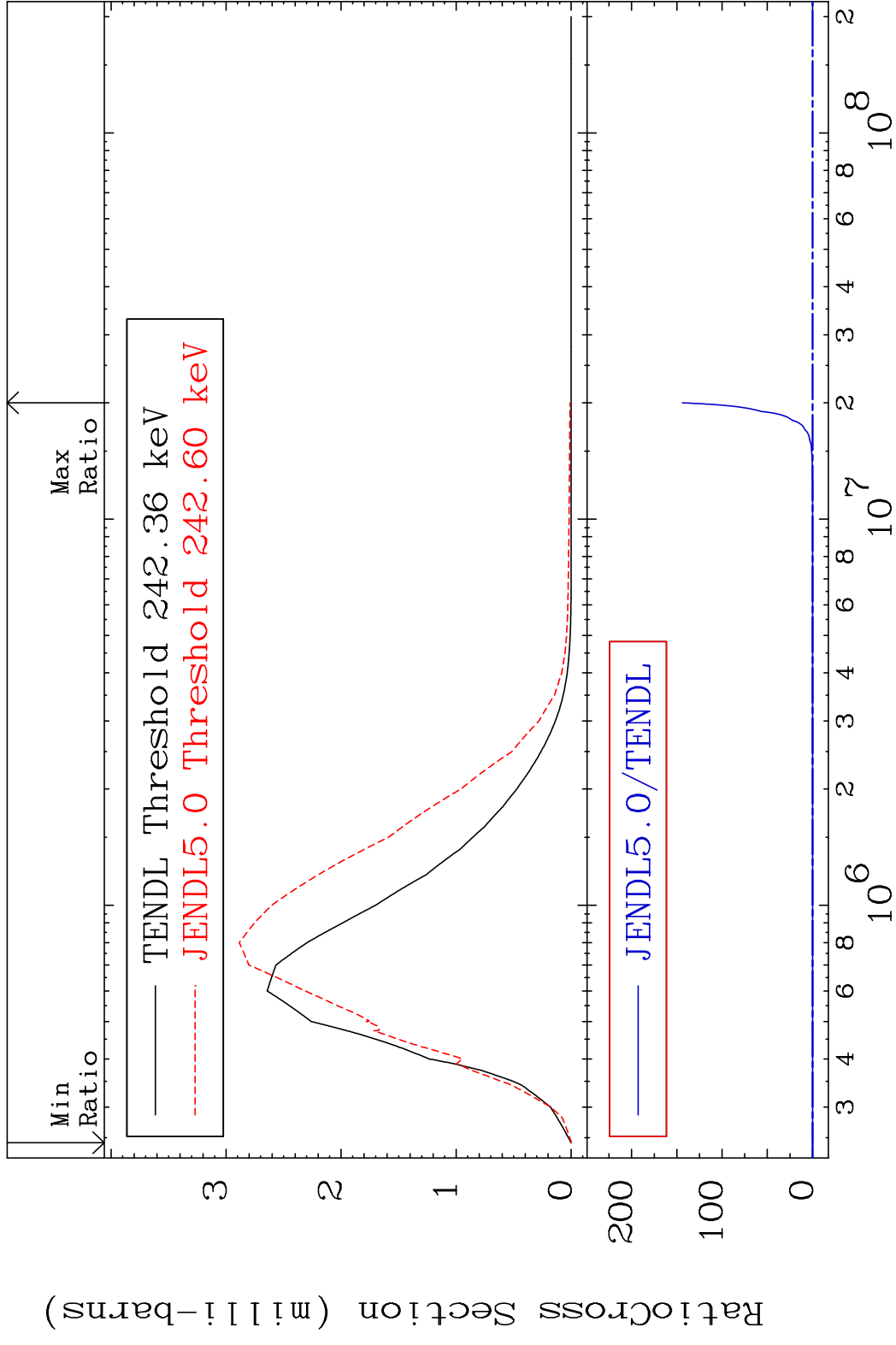
MAT 7326 MT= 61 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



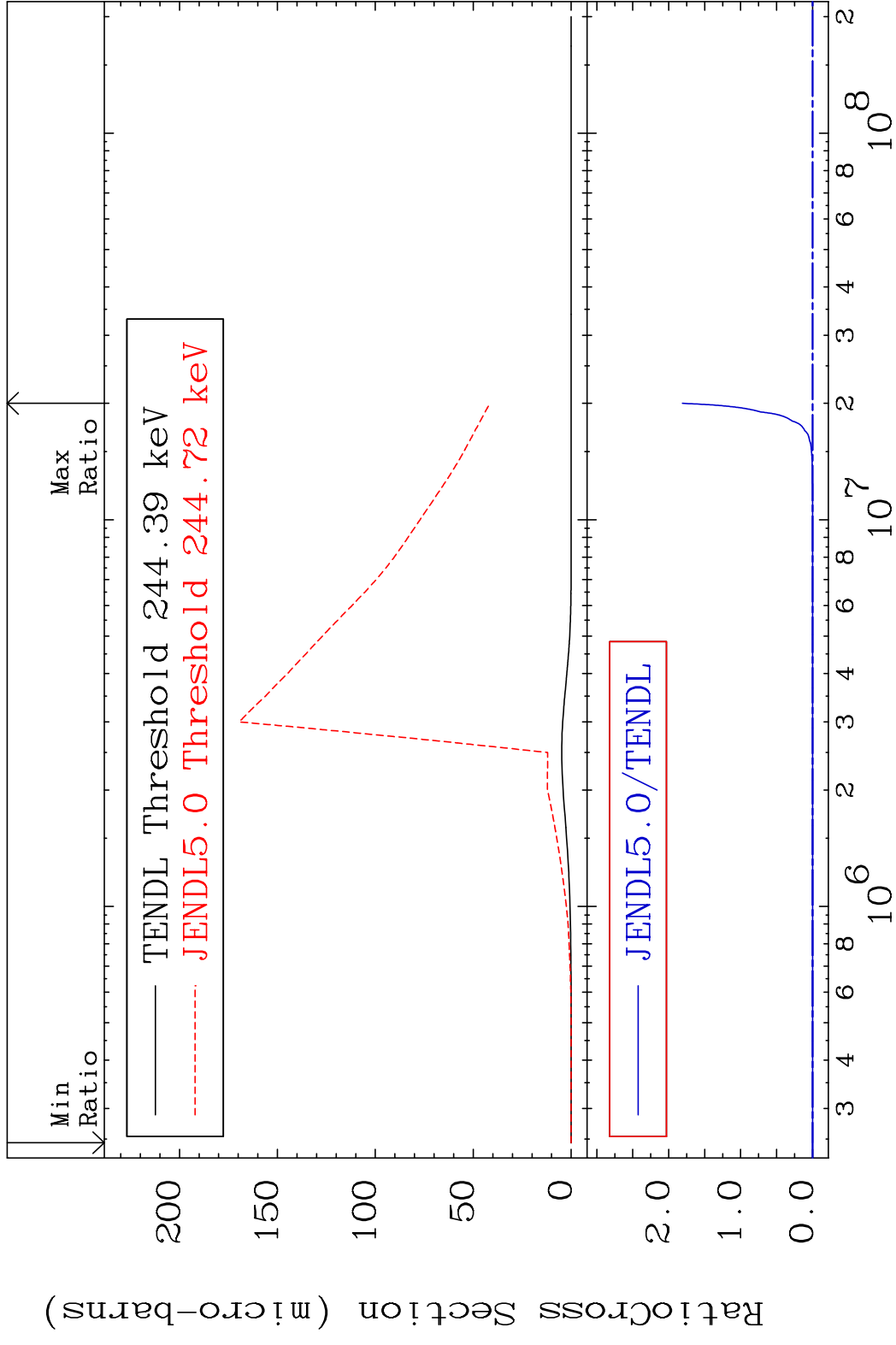
MAT 7326 MT= 62 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



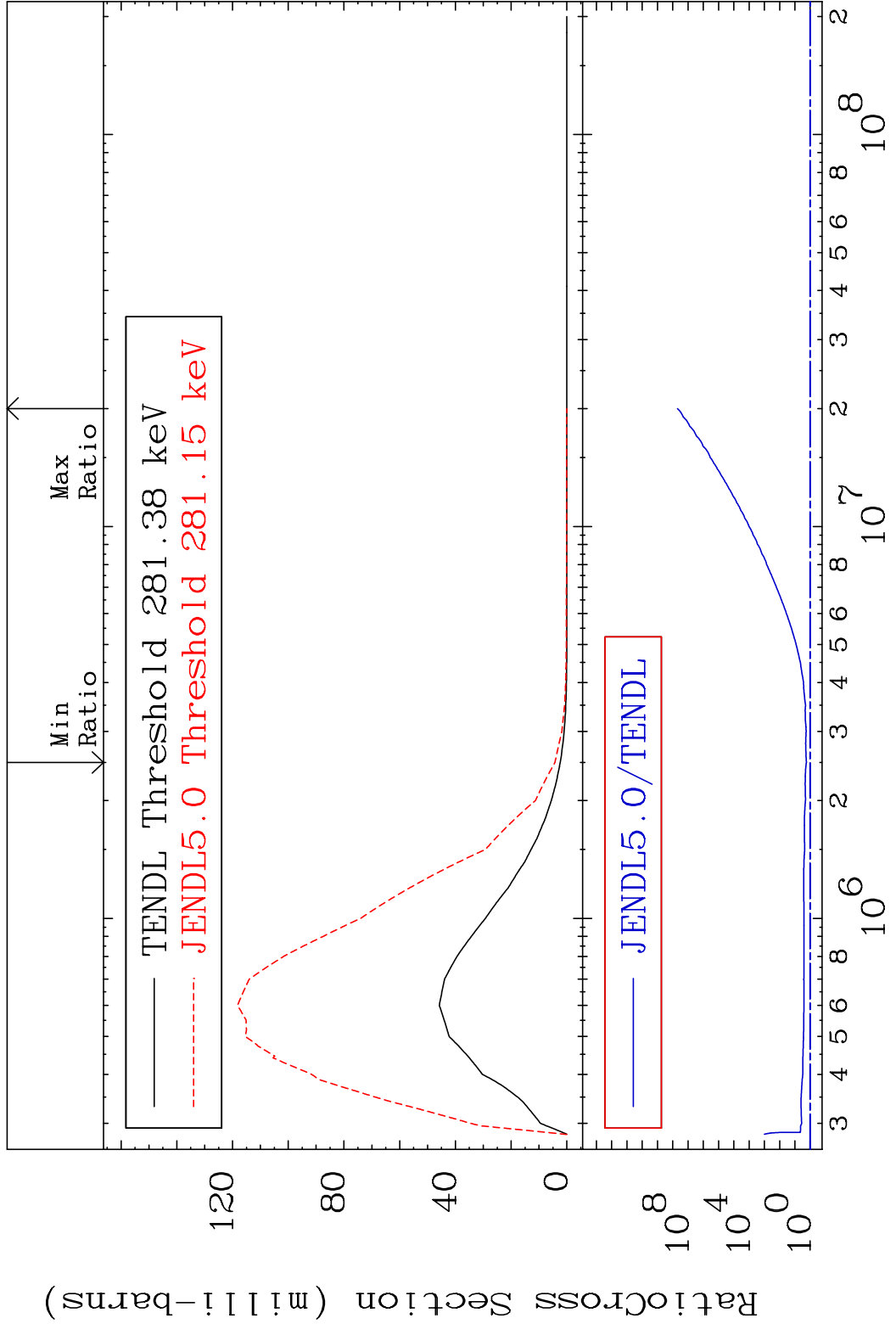
MAT 7326 MT= 63 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



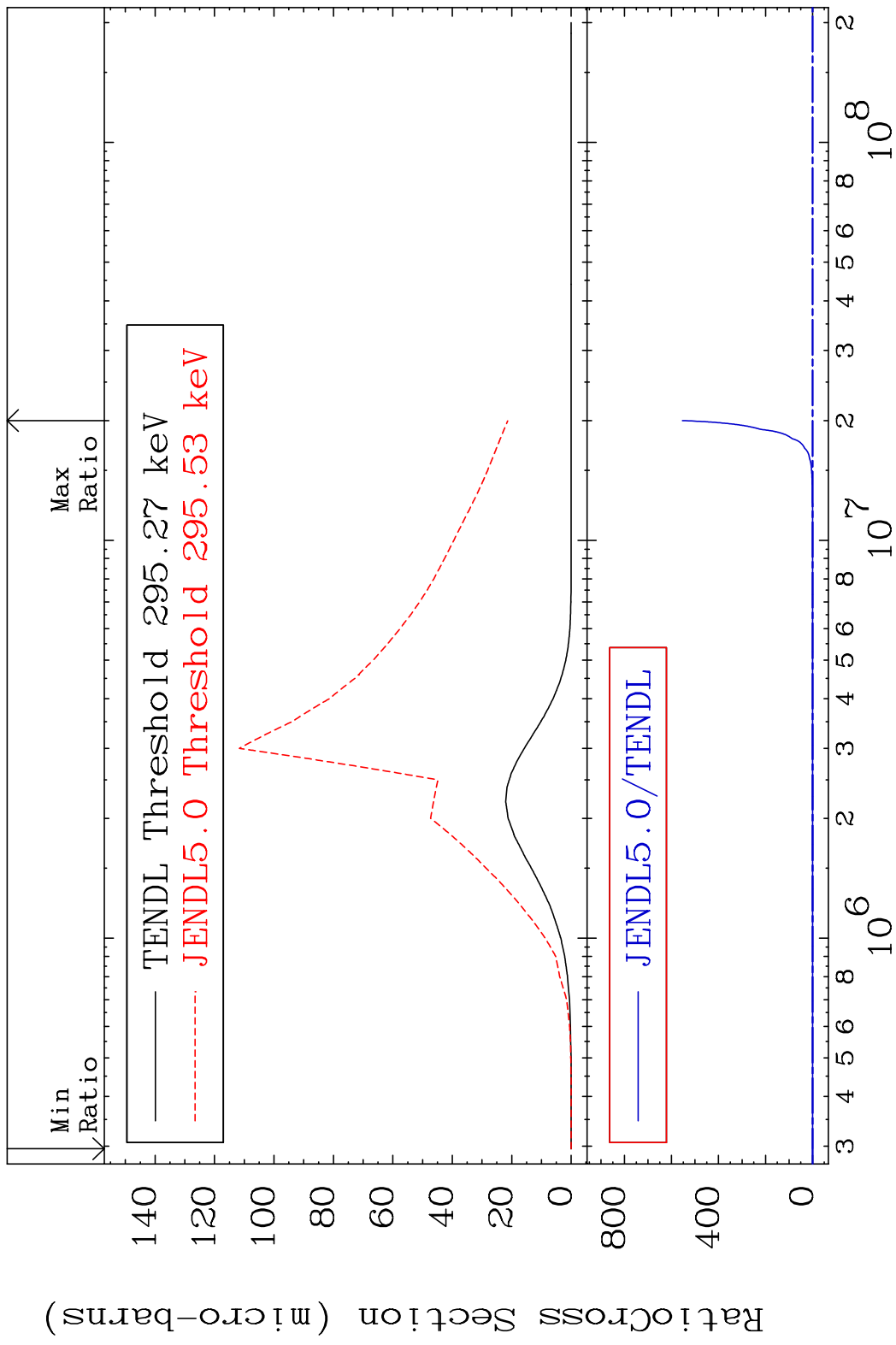
MAT 7326 MT= 64 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



MAT 7326 MT= 65 (n,n') Level 73-Ta-180m  
 Cross Section 76.78 To 9999. %

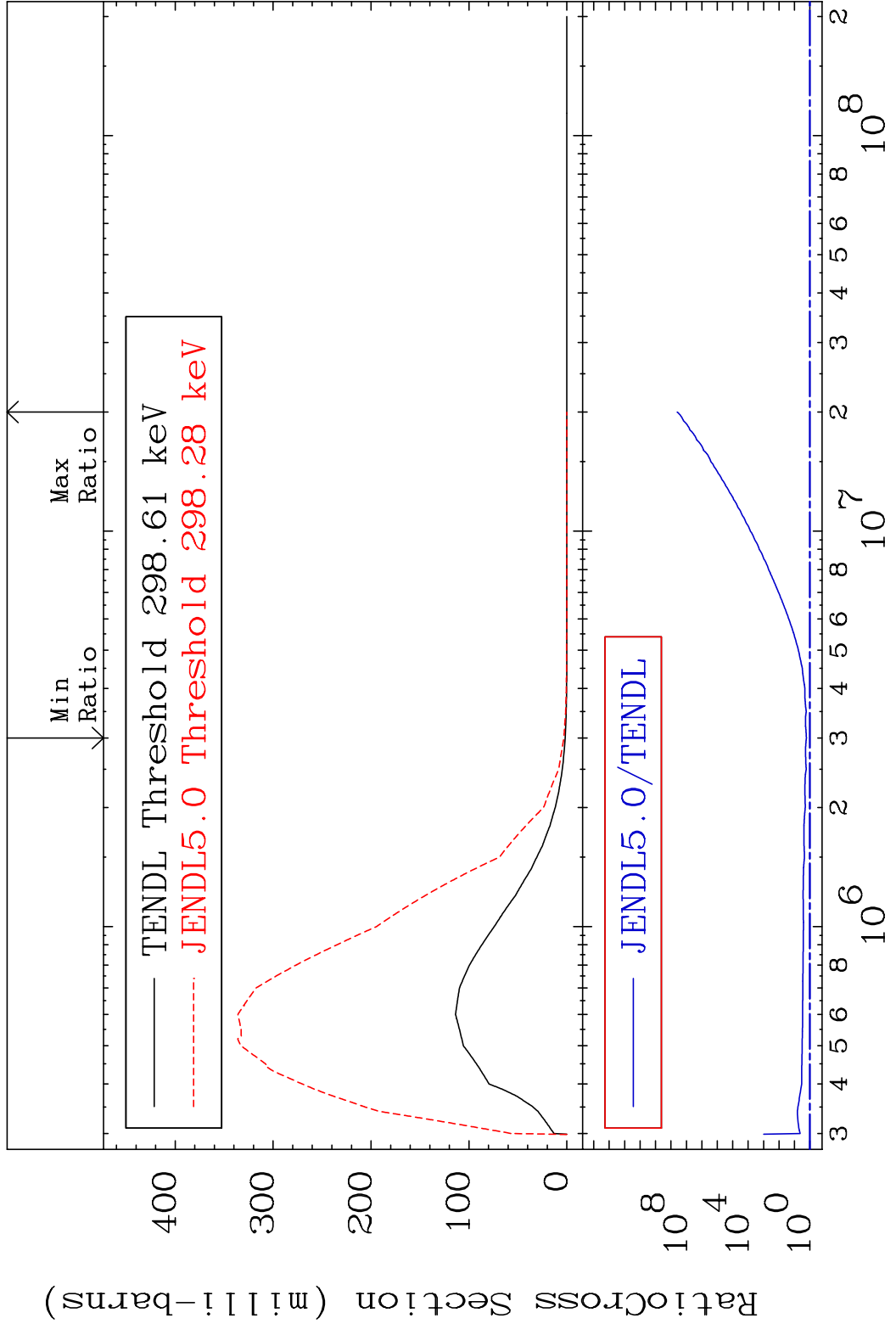


MAT 7326 MT= 66 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %

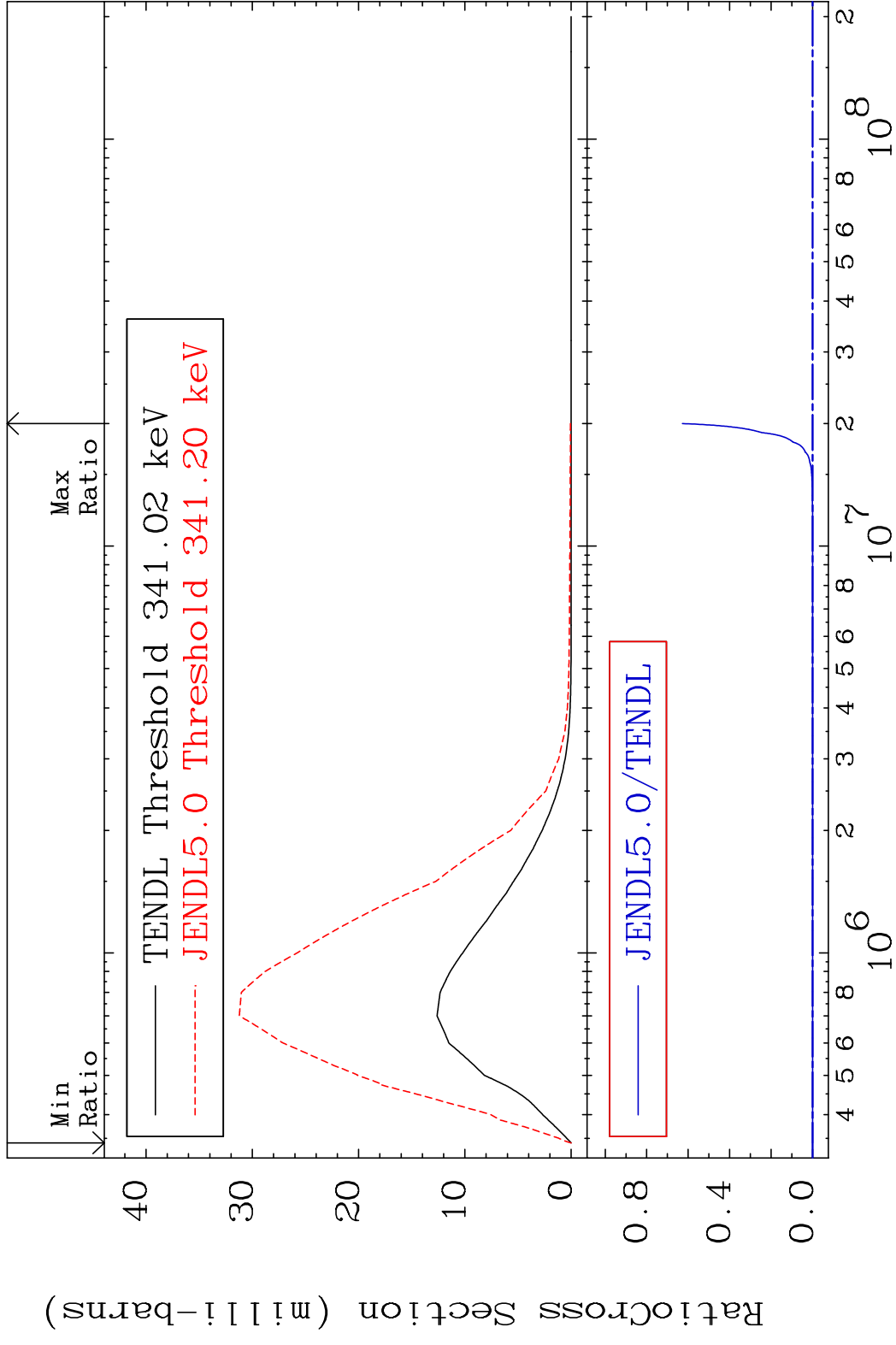


25 Incident Energy (eV) 73-Ta-180m

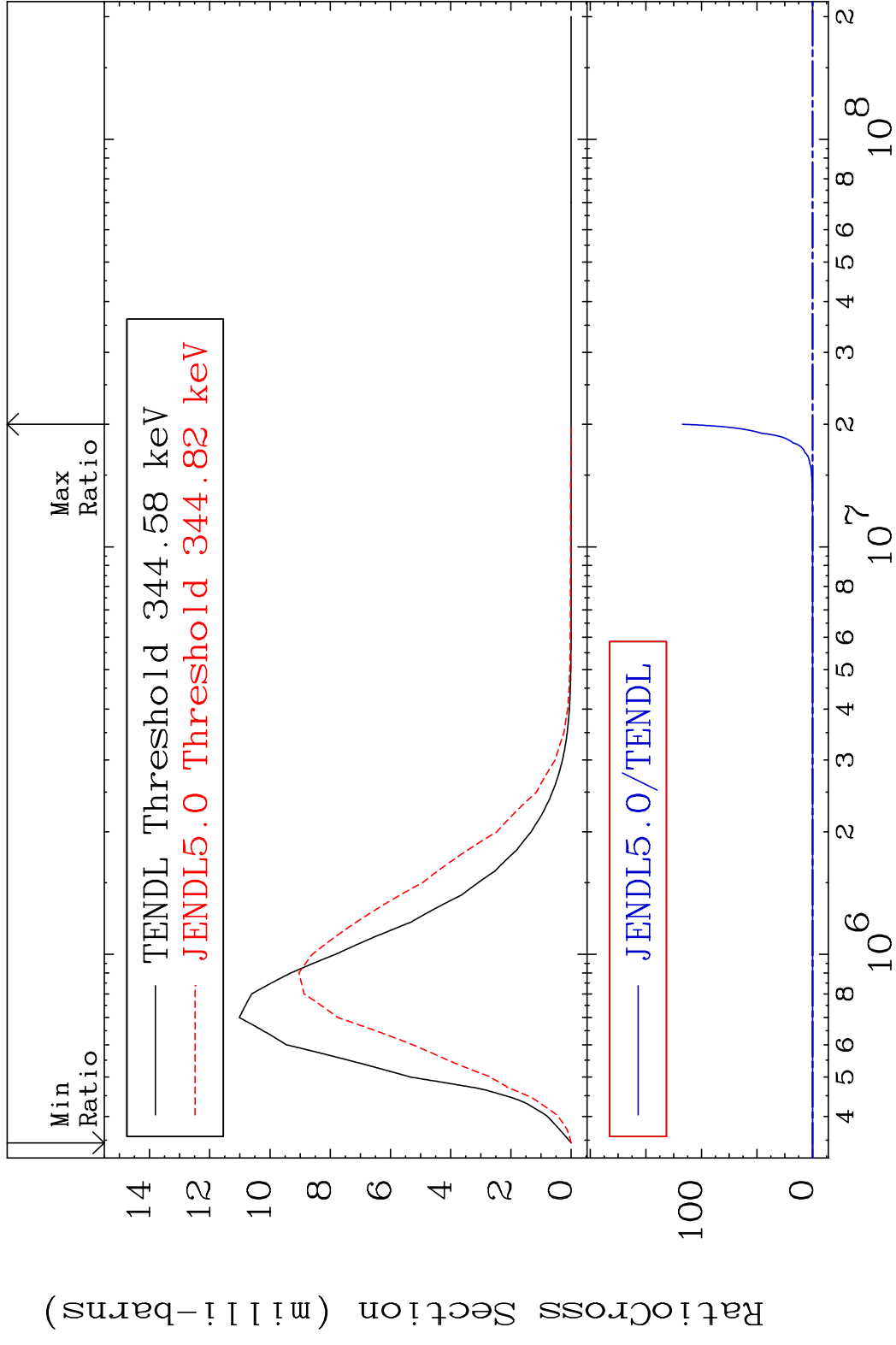
MAT 7326 MT= 67 (n, n') Level 73-Ta-180m  
 Cross Section 68.75 To 9999. %



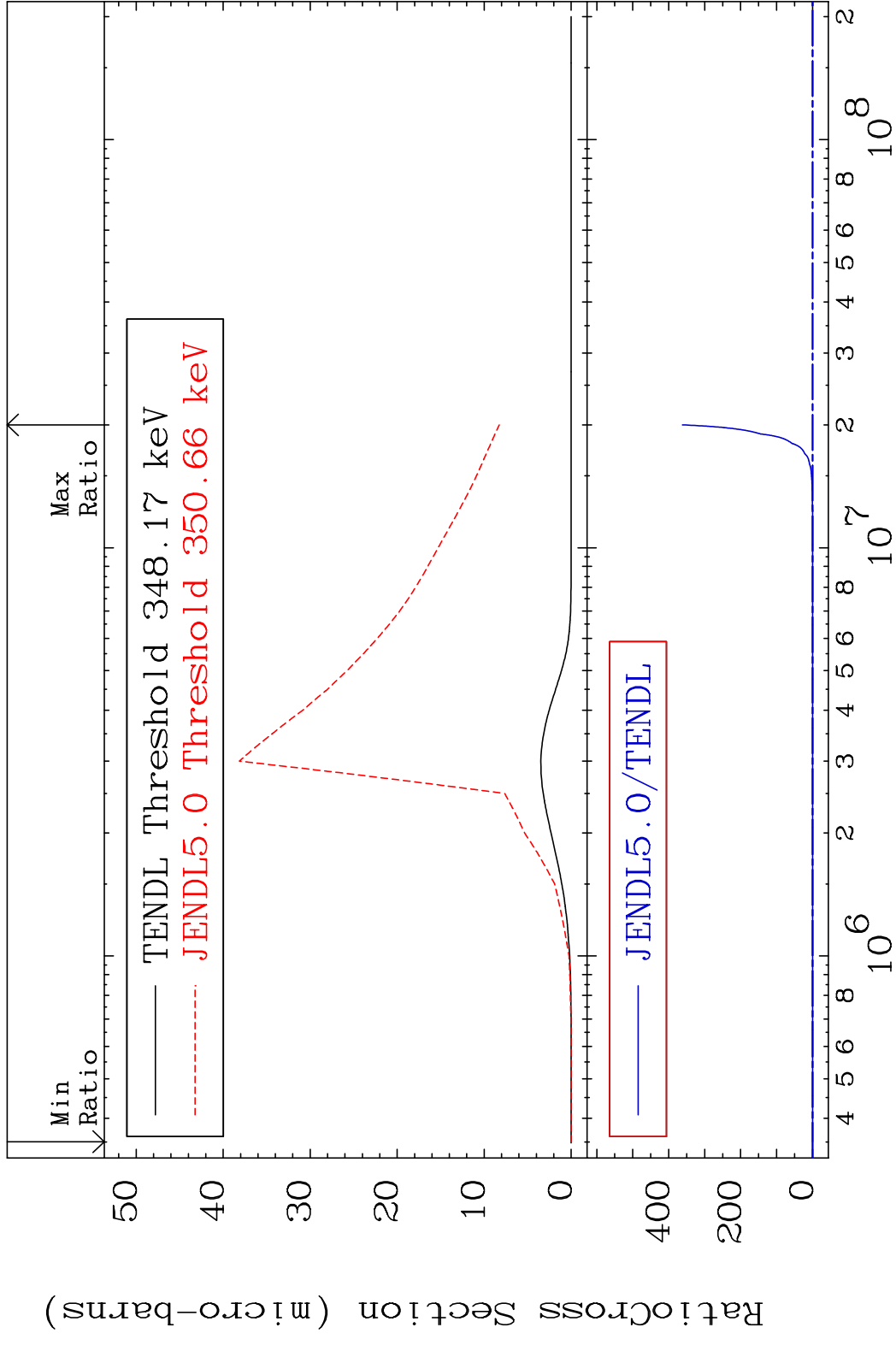
MAT 7326 MT= 68 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



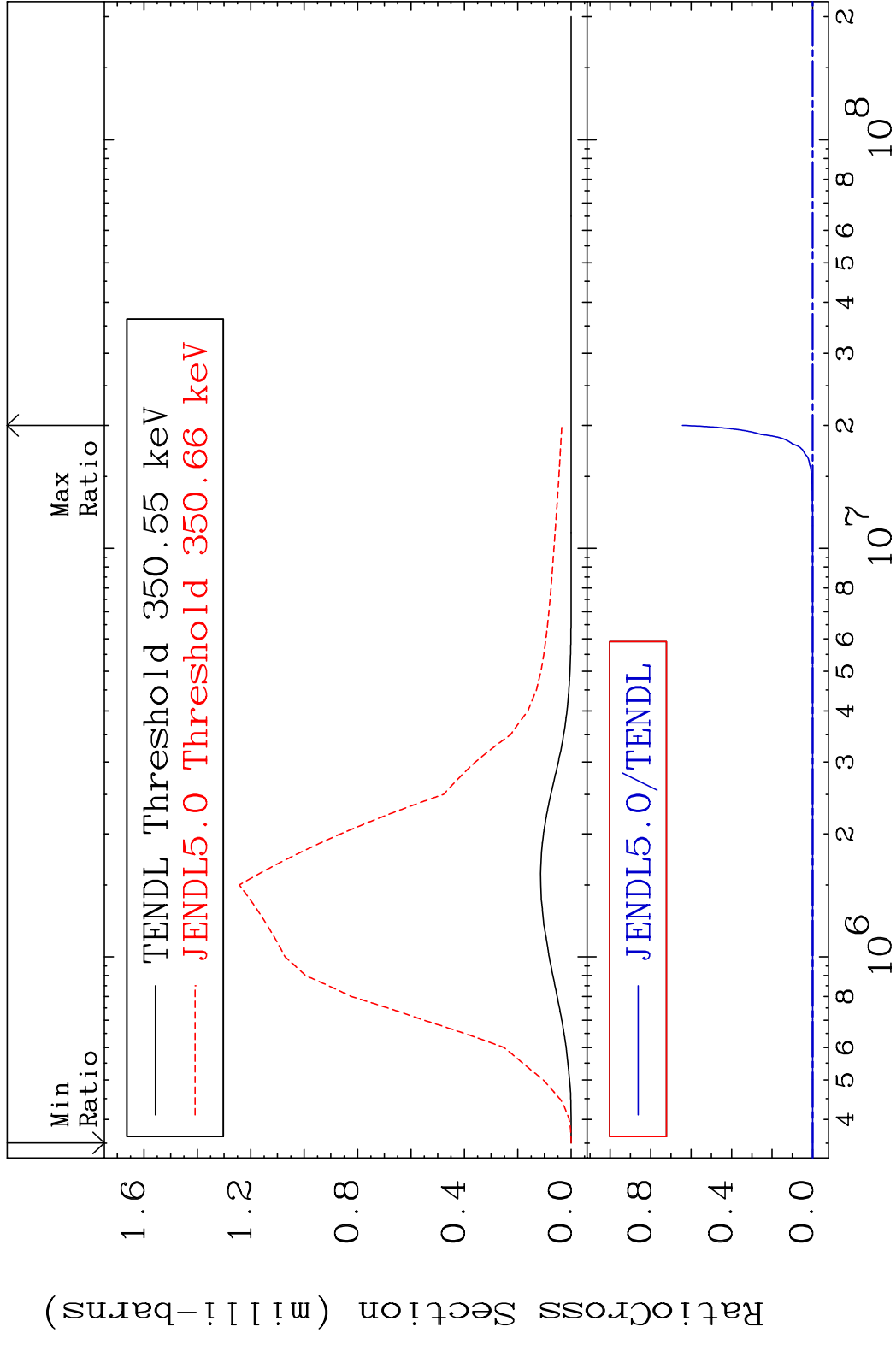
MAT 7326 MT= 69 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



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

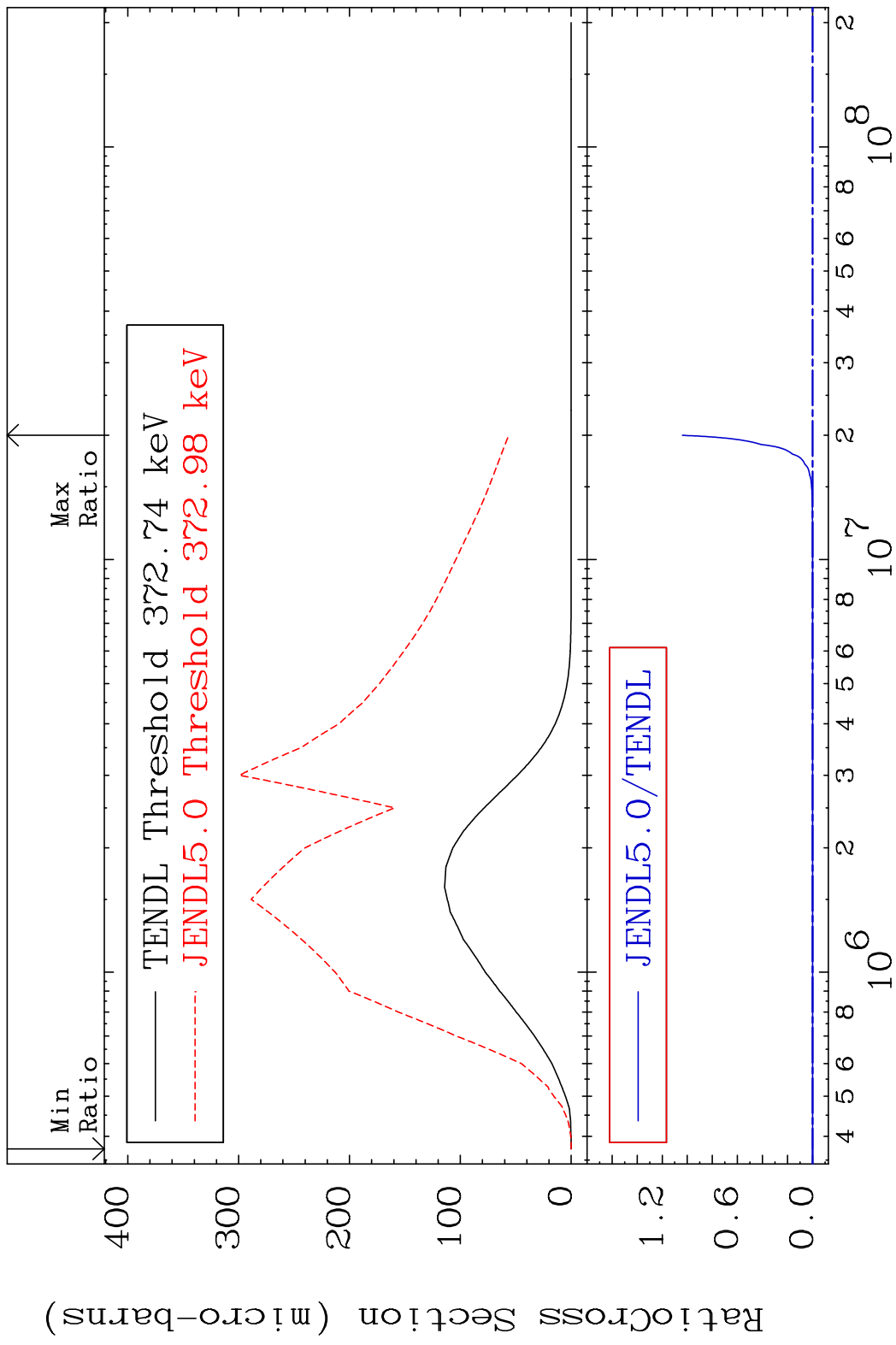


MAT 7326 MT= 71 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %

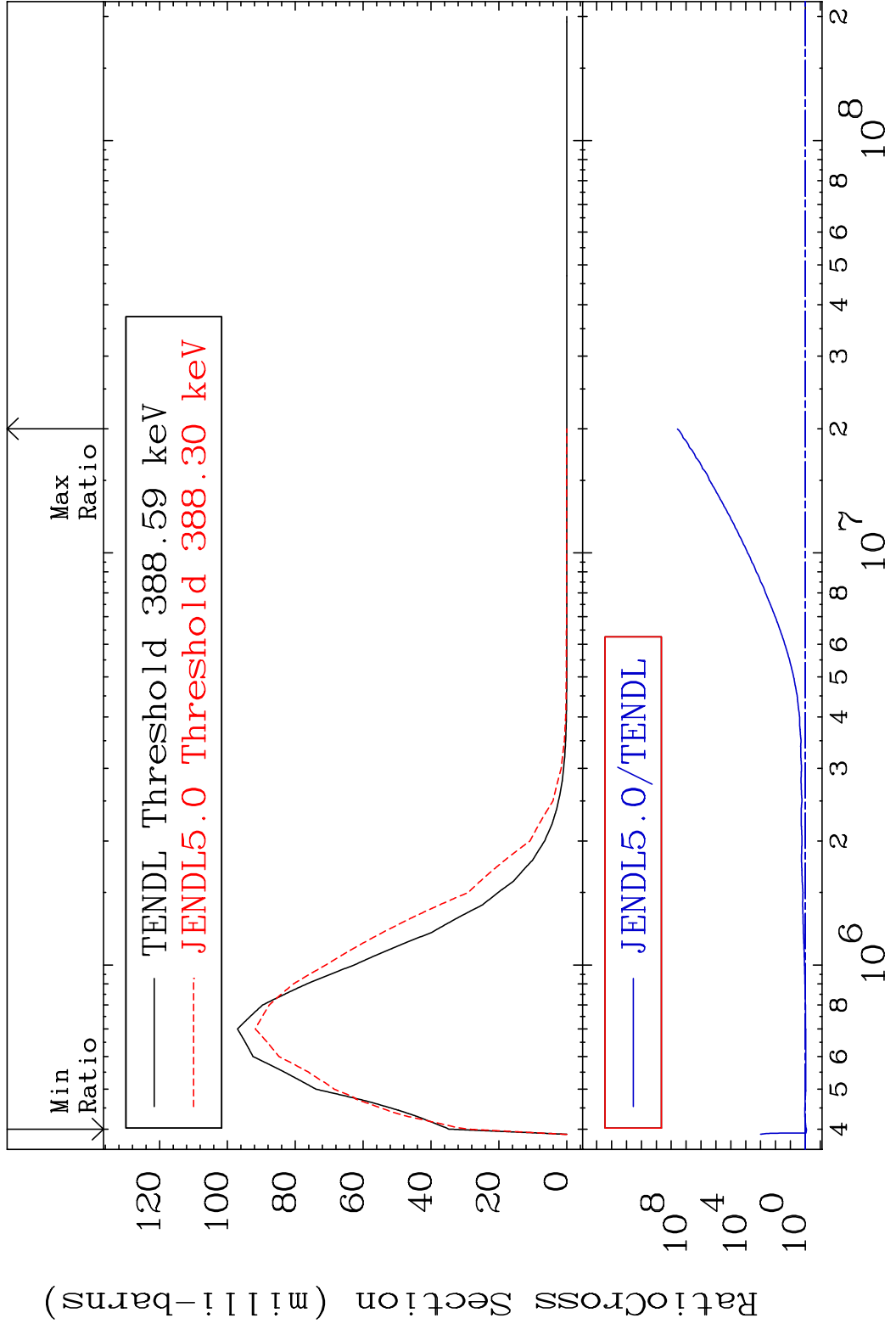


30 Incident Energy (eV) 73-Ta-180m

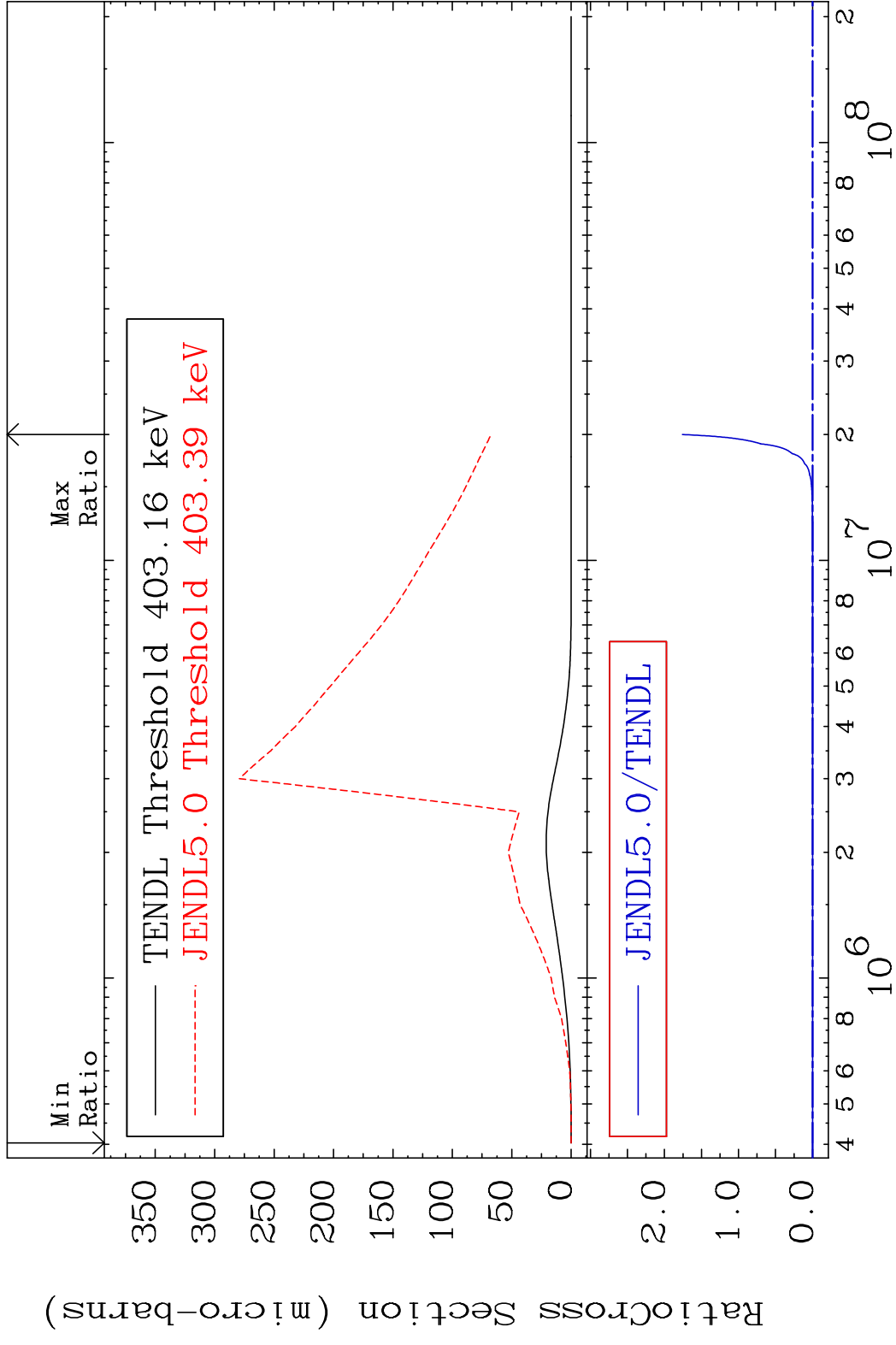
MAT 7326 MT= 72 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



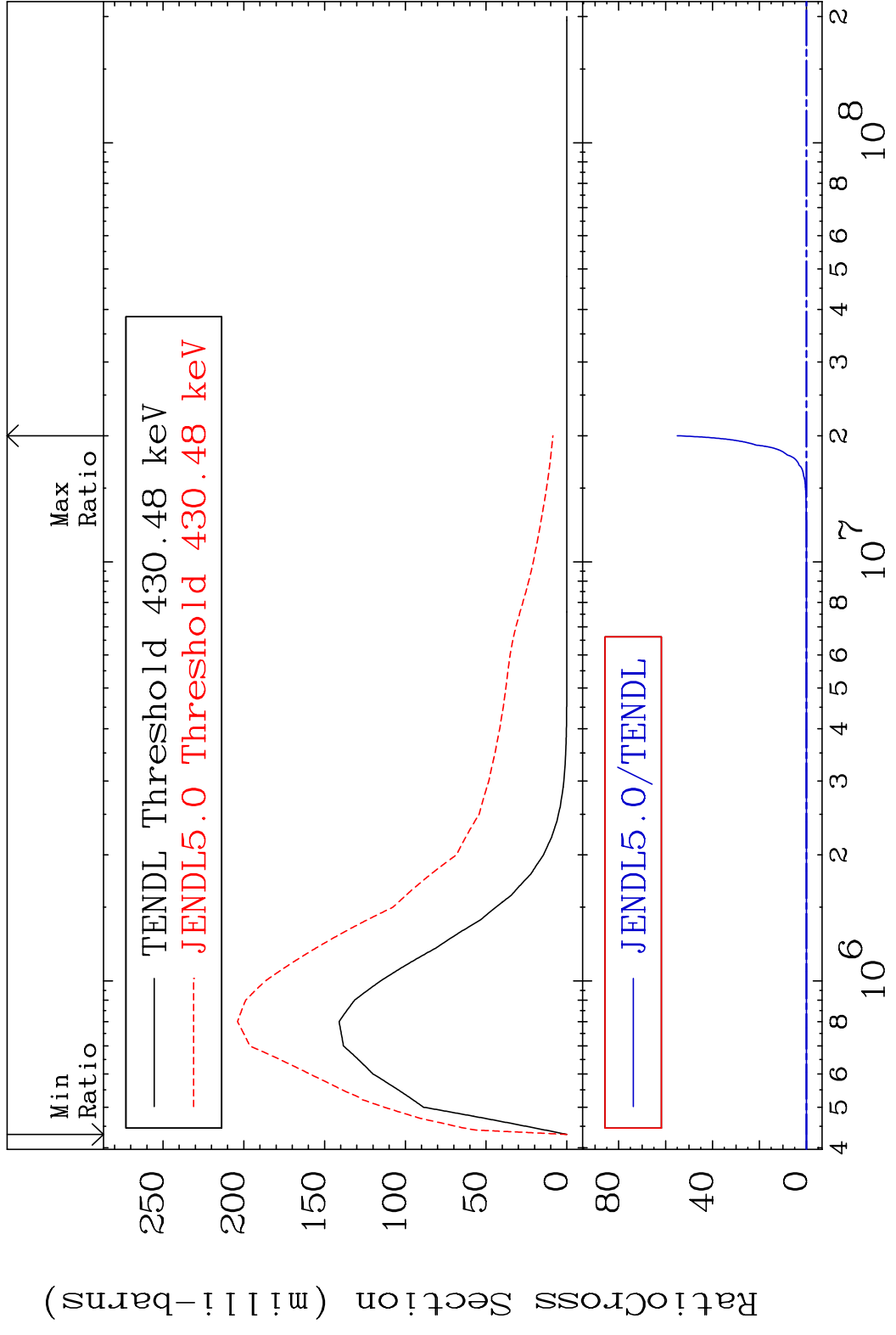
MAT 7326 MT= 73 (n,n') Level 73-Ta-180m  
 Cross Section -15.61 To 9999. %



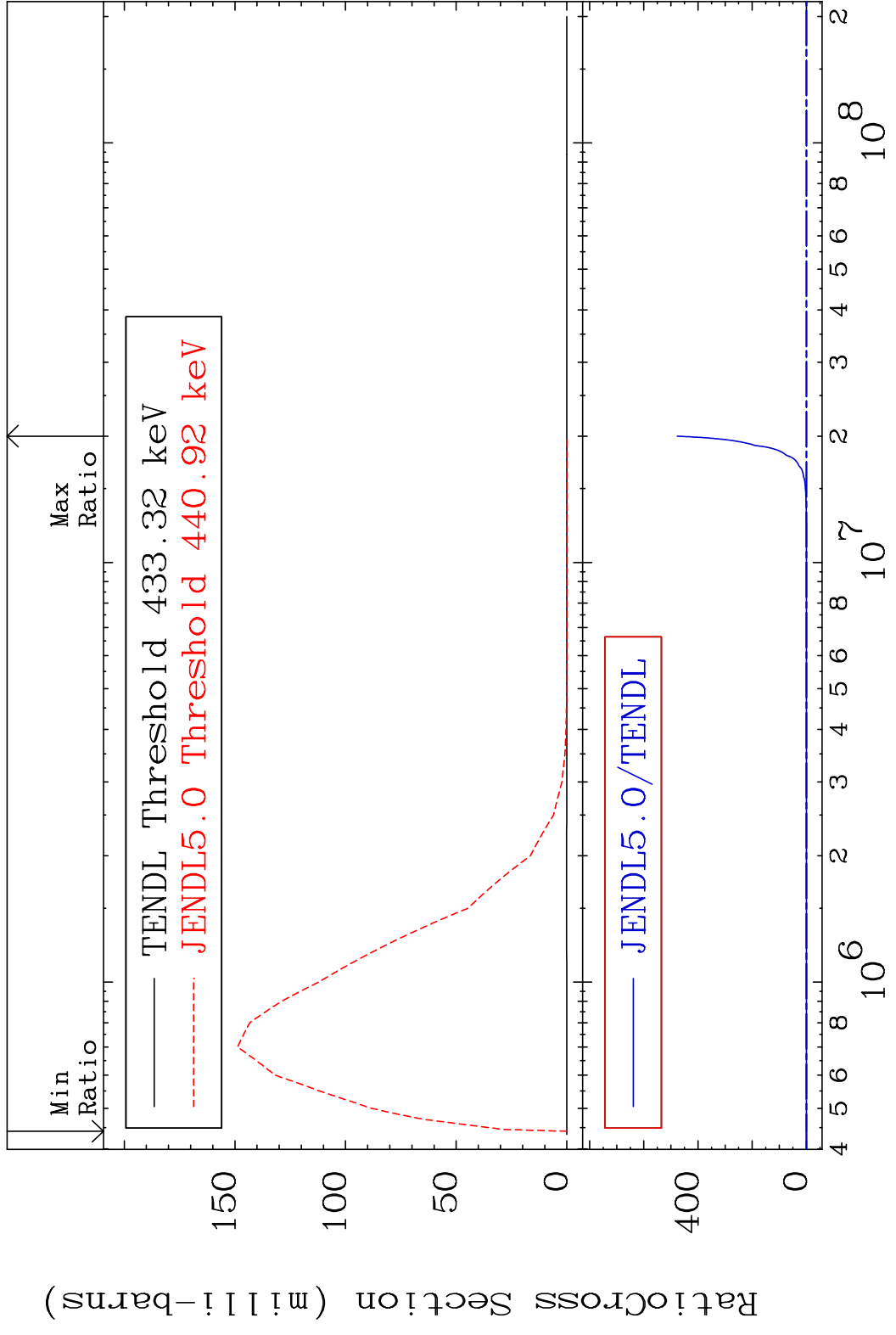
MAT 7326 MT= 74 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



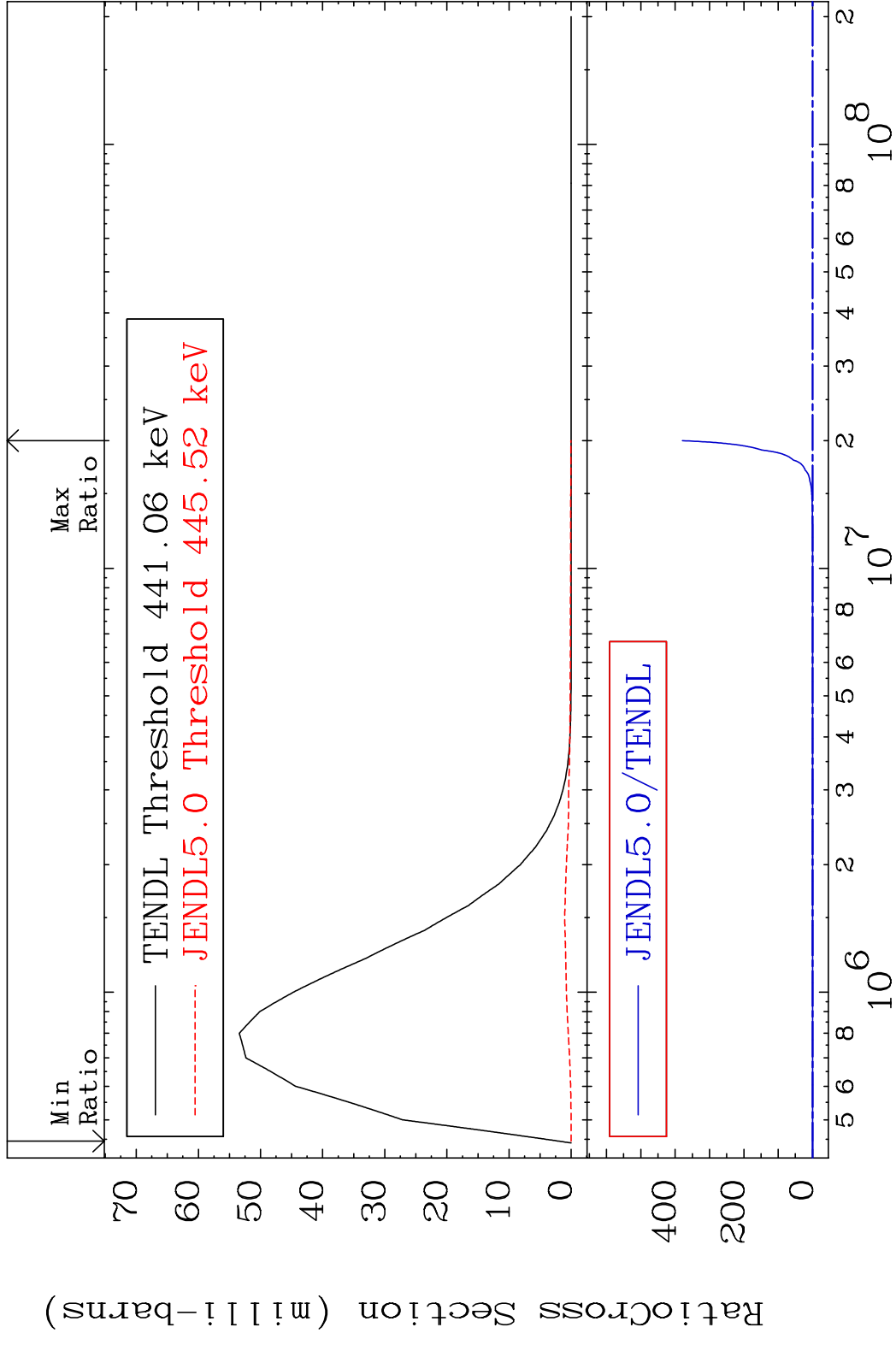
MAT 7326 MT= 75 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 9999. %



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. %

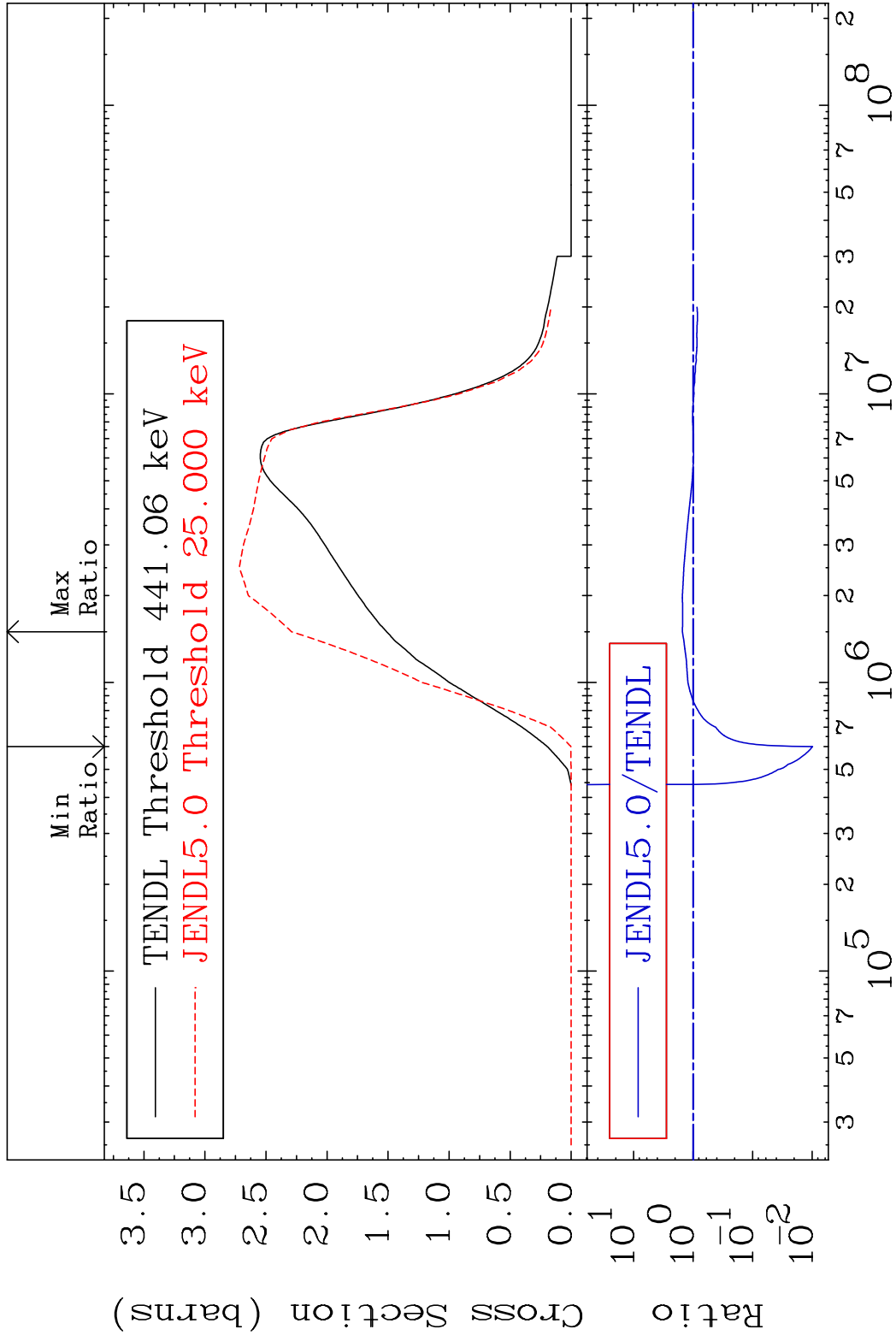


MAT 7326

(n, n') Continuum

73-Ta-180m

Cross Section -99.02 To 51.64 %



37

Incident Energy (eV)

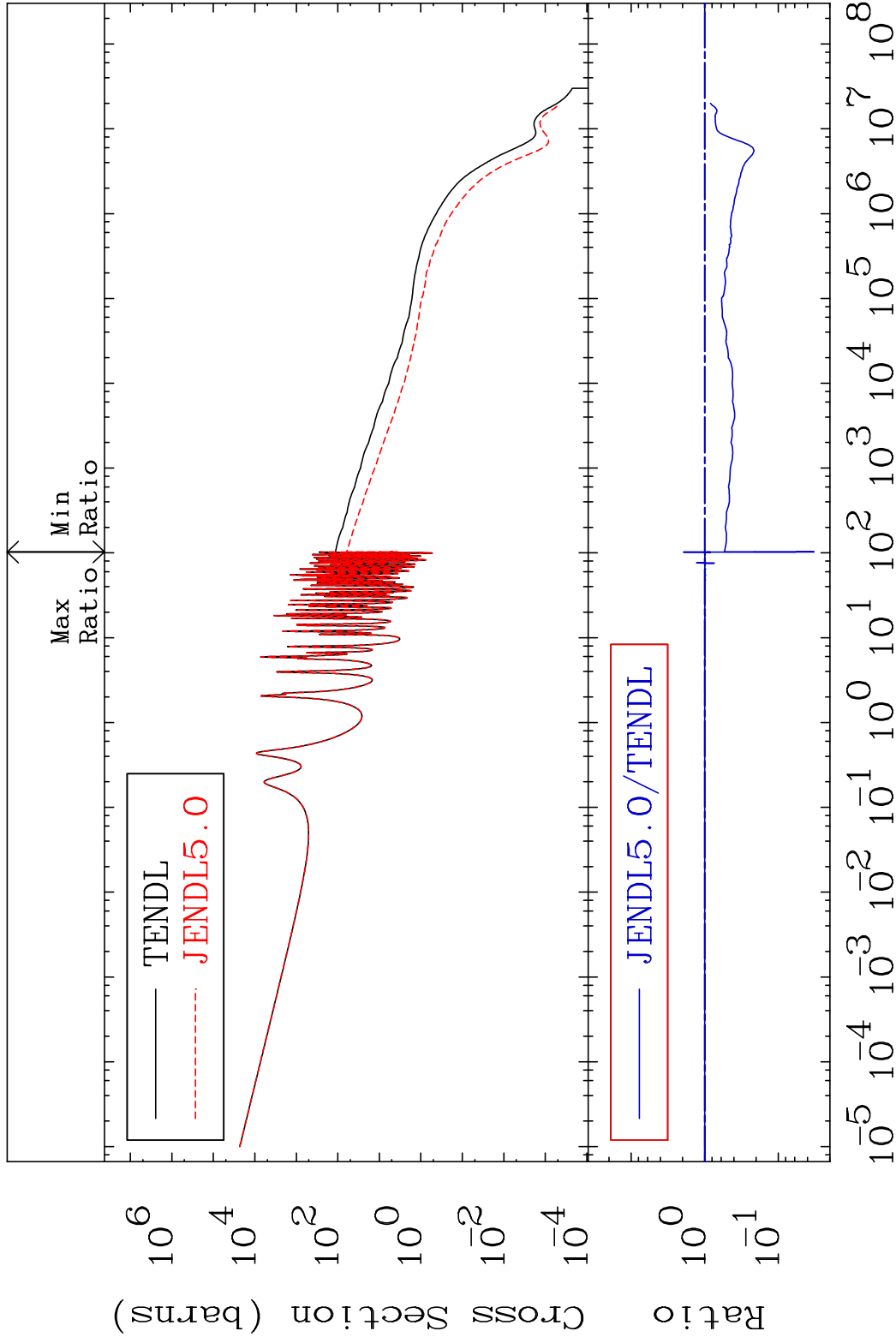
73-Ta-180m

MAT 7326

(n,  $\gamma$ )

73-Ta-180m

Cross Section -96.73 To 93.78 %



38

Incident Energy (eV)

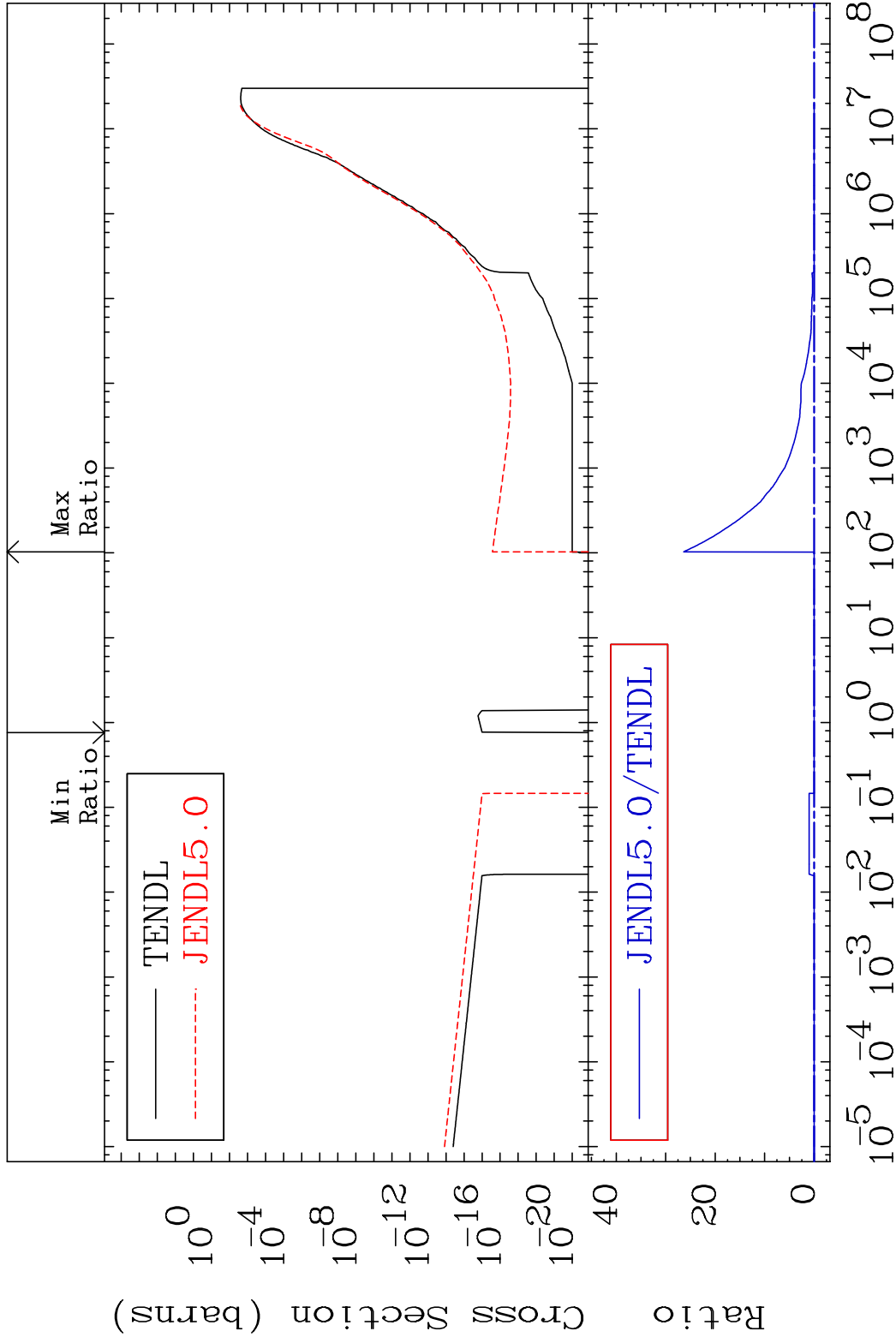
73-Ta-180m

MAT 7326

(n, p)

73-Ta-180m

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

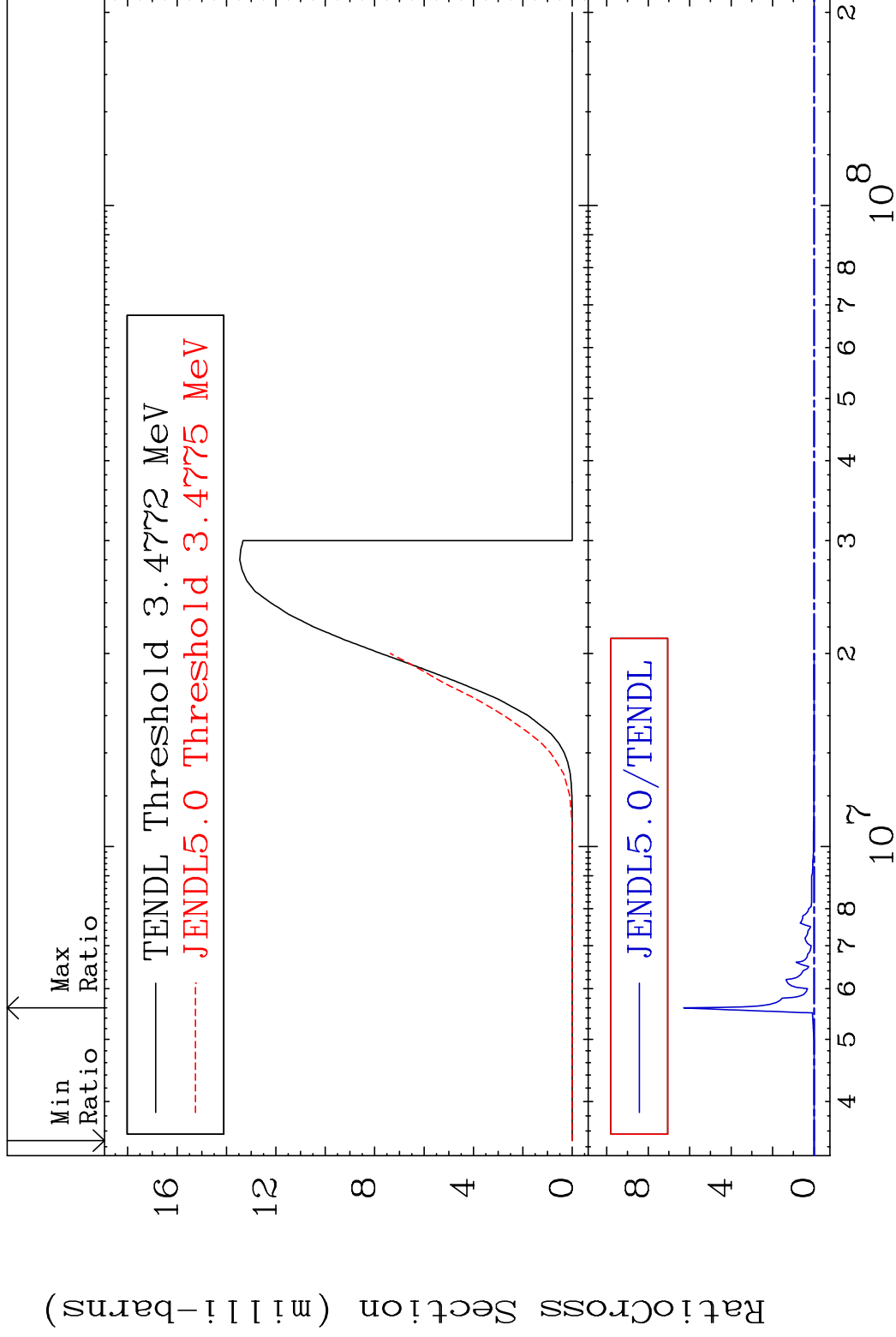
73-Ta-180m

MAT 7326

(n, d)

73-Ta-180m

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

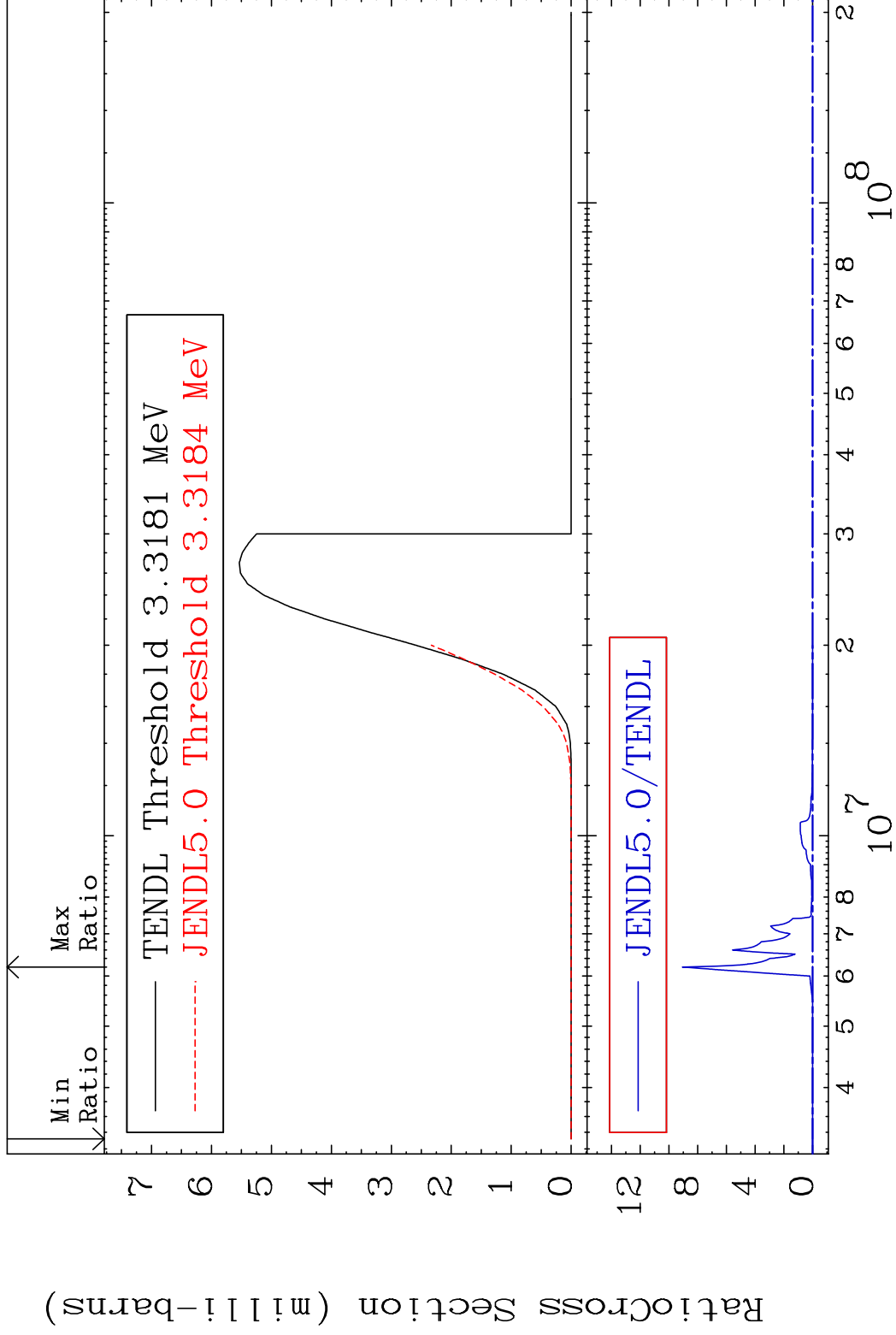
73-Ta-180m

MAT 7326

(n, t)

73-Ta-180m

Cross Section -100.0 To 9999. %

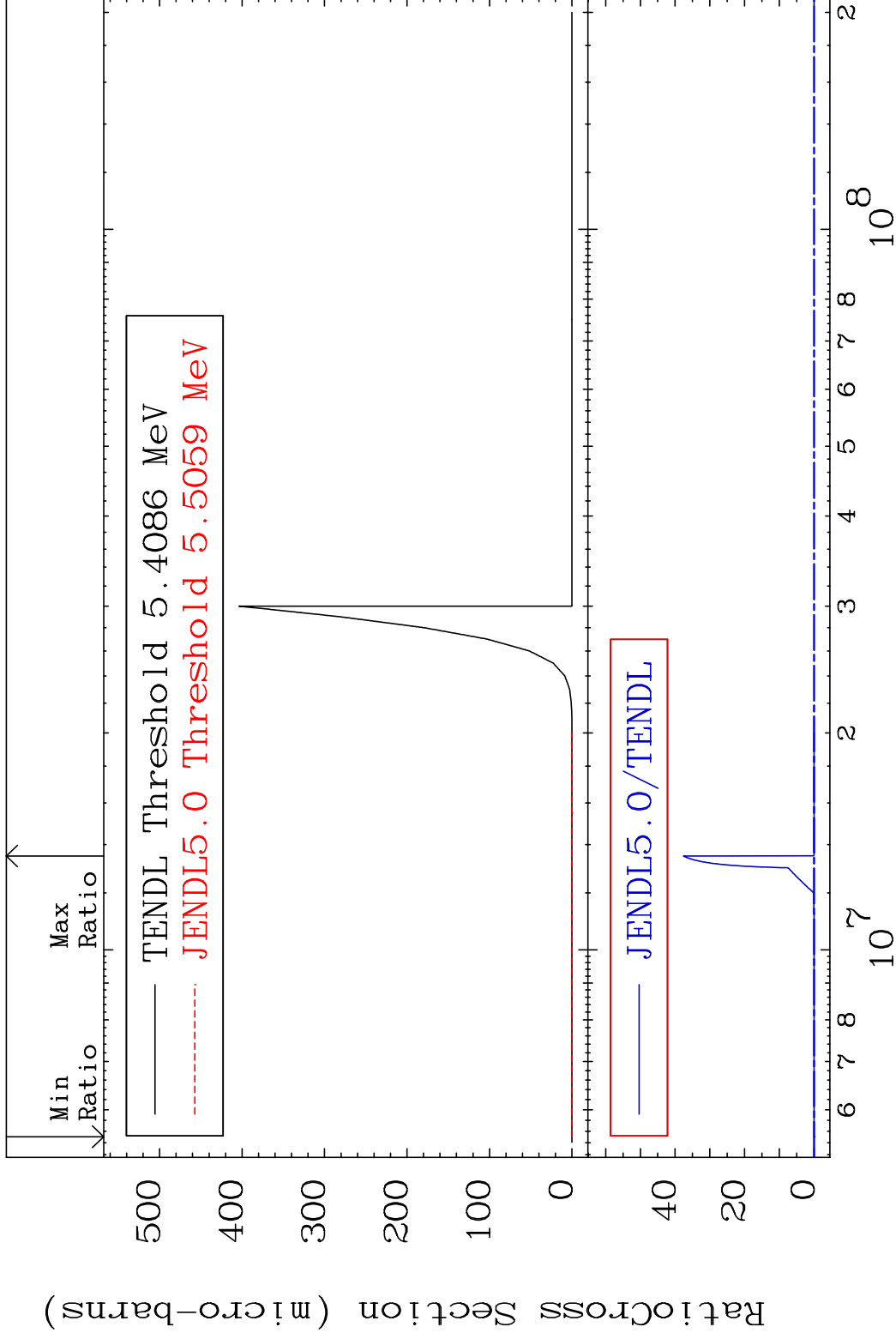


MAT 7326

(n, He-3)

73-Ta-180m

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

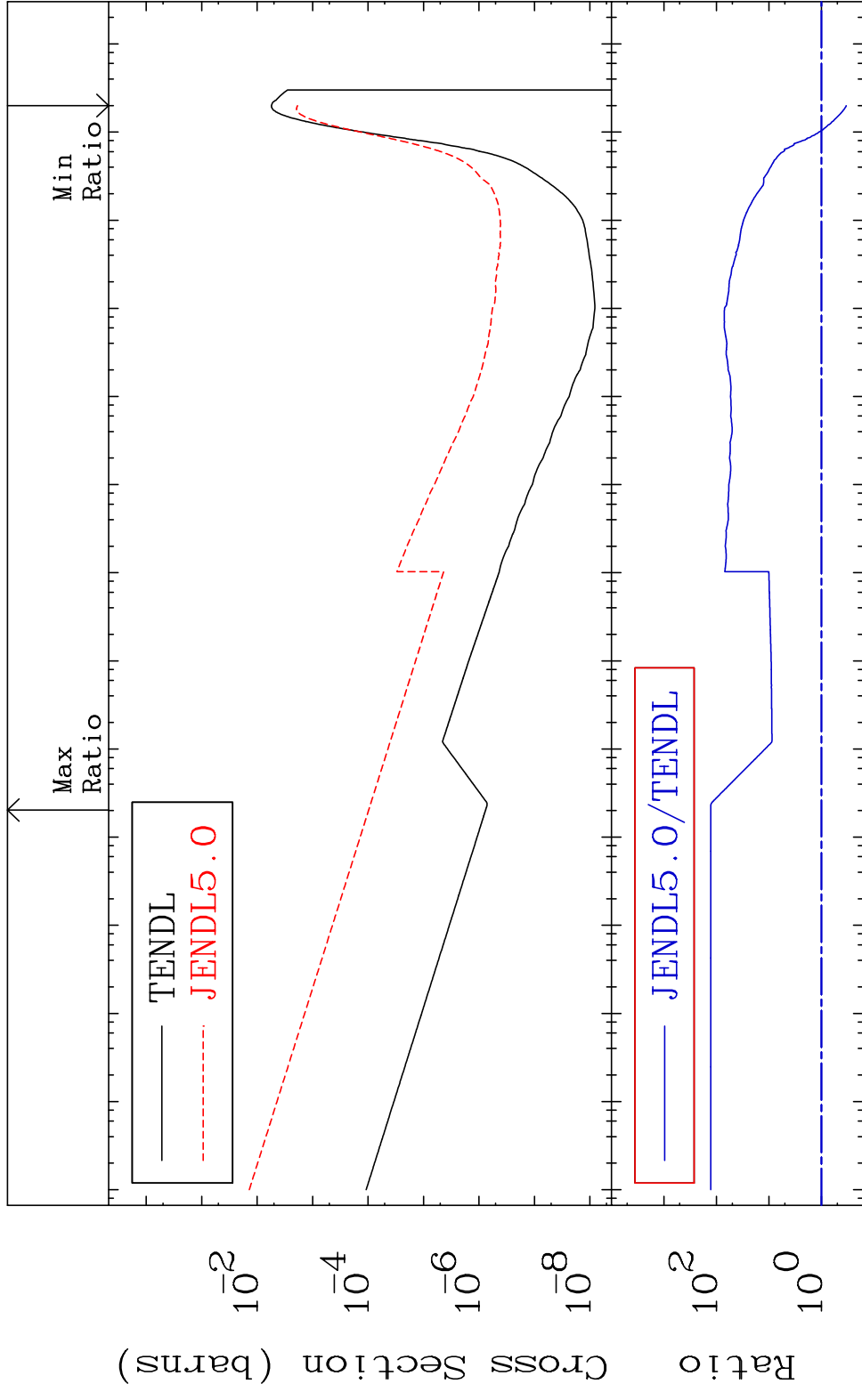
73-Ta-180m

MAT 7326

73-Ta-180m

(n,  $\alpha$ )

Cross Section -66.25 To 9999. %

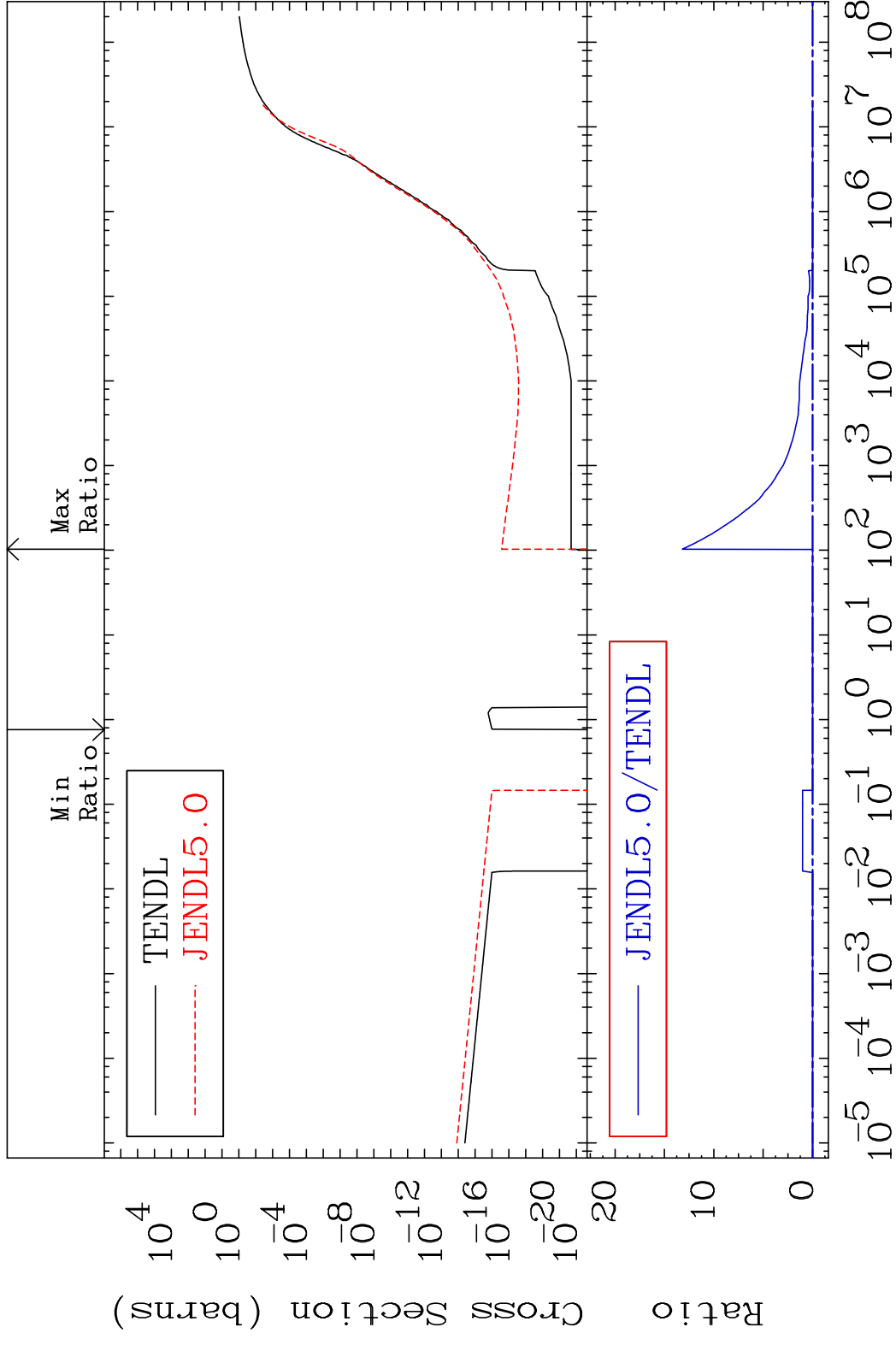


43

Incident Energy (eV)

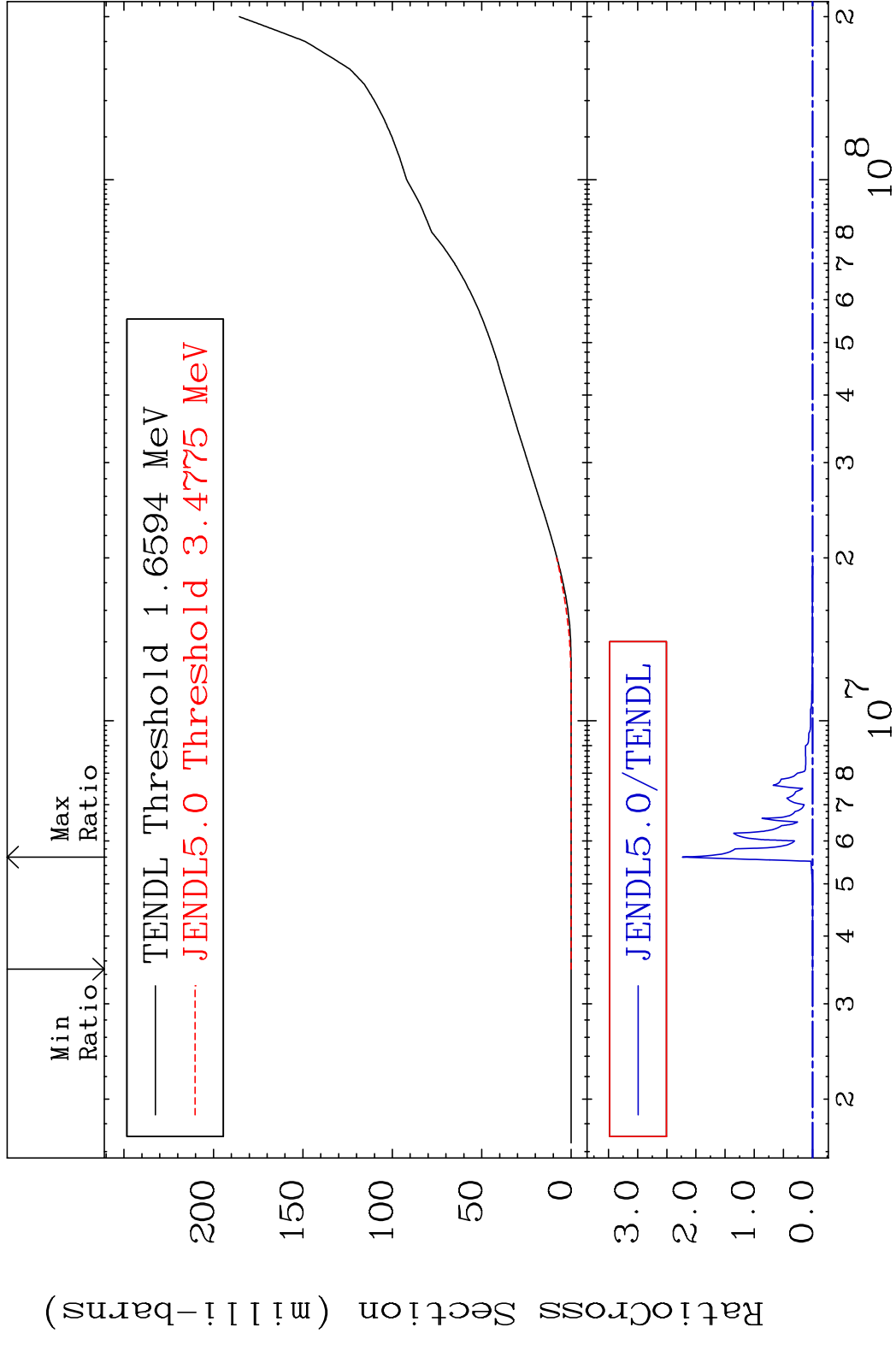
73-Ta-180m

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



MAT 7326

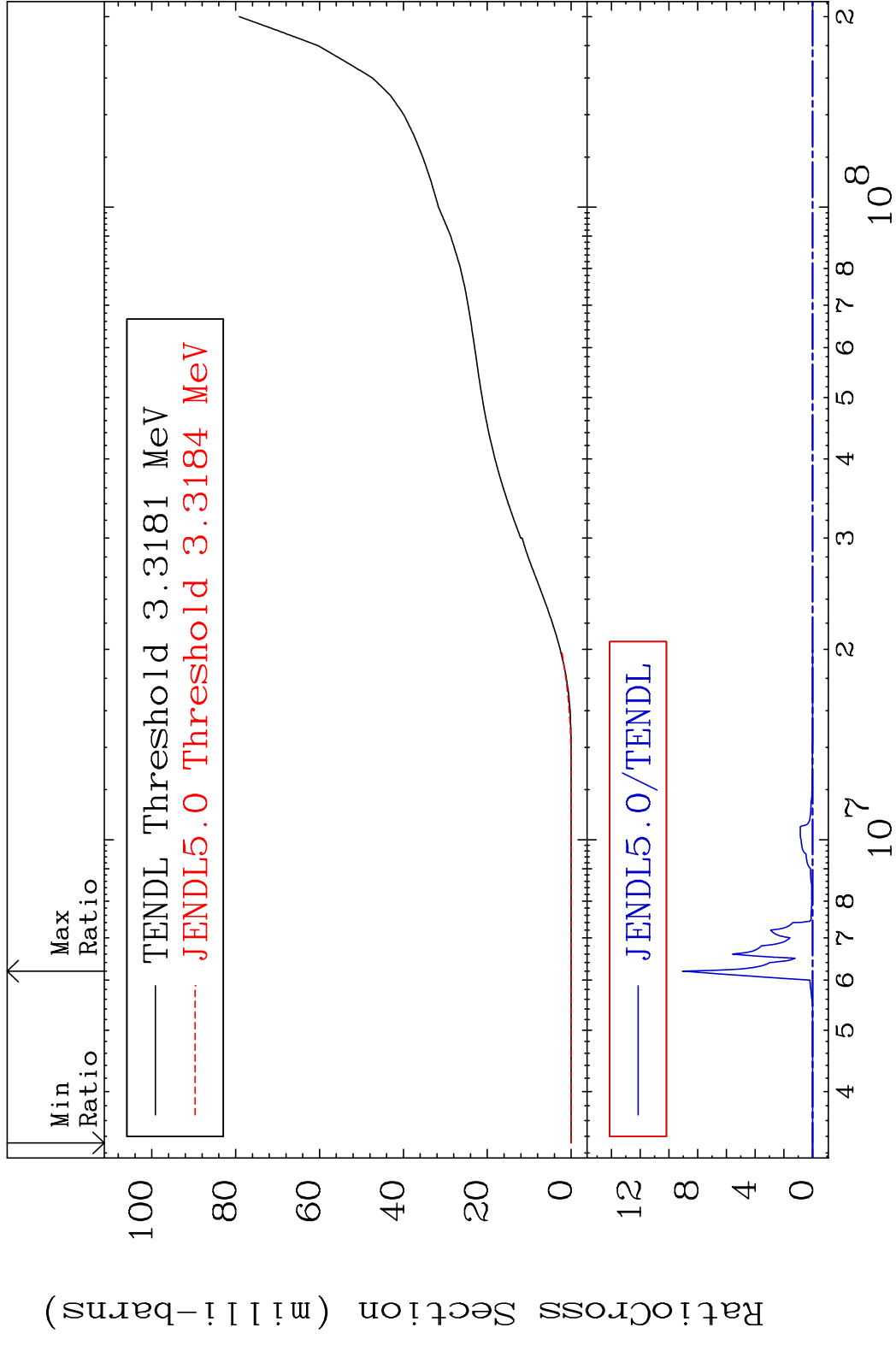
Deuterium Production 73-Ta-180m  
Cross Section -100.0 To 9999. %



45

Incident Energy (eV) 73-Ta-180m

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

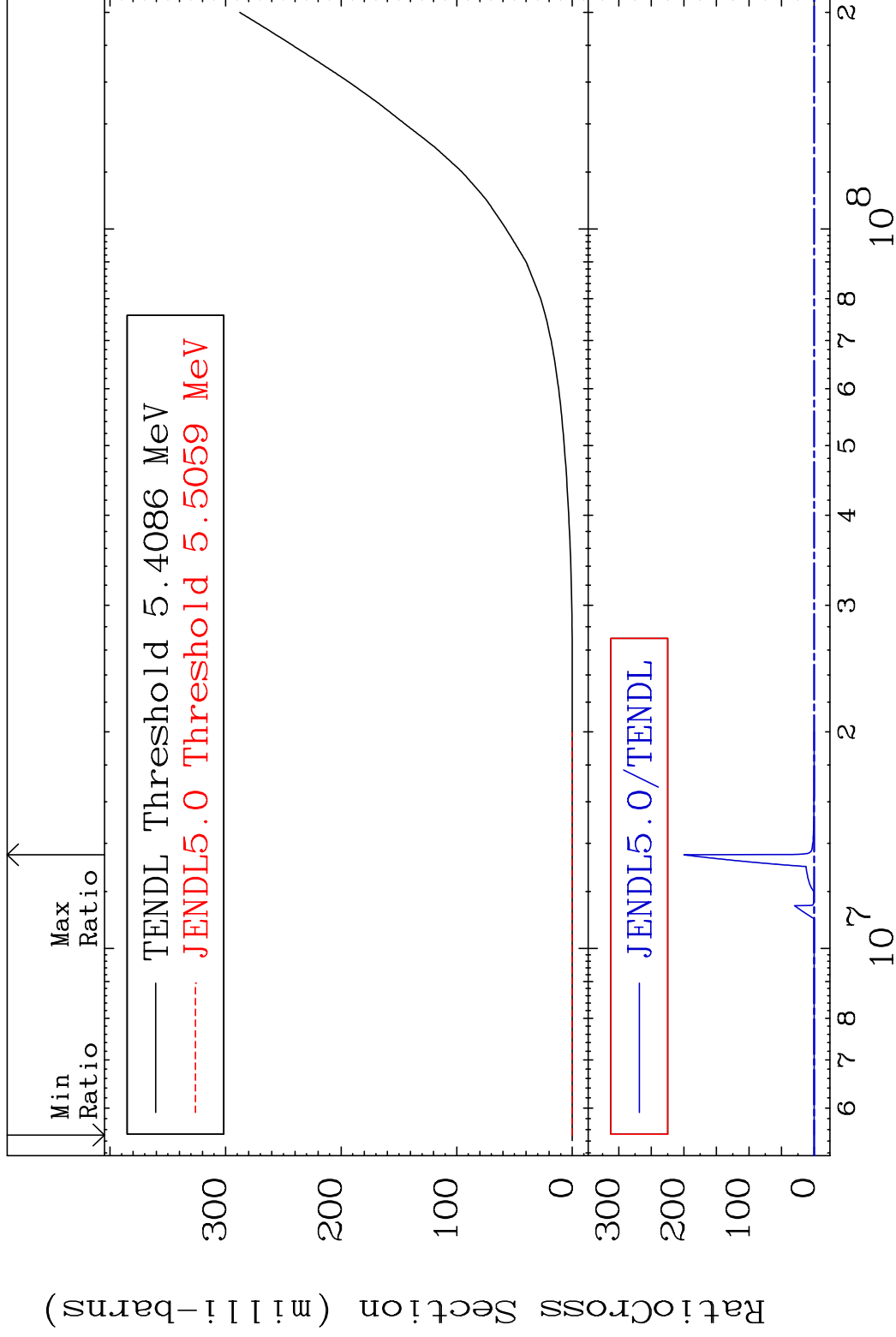


MAT 7326

He-3 Production

73-Ta-180m

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

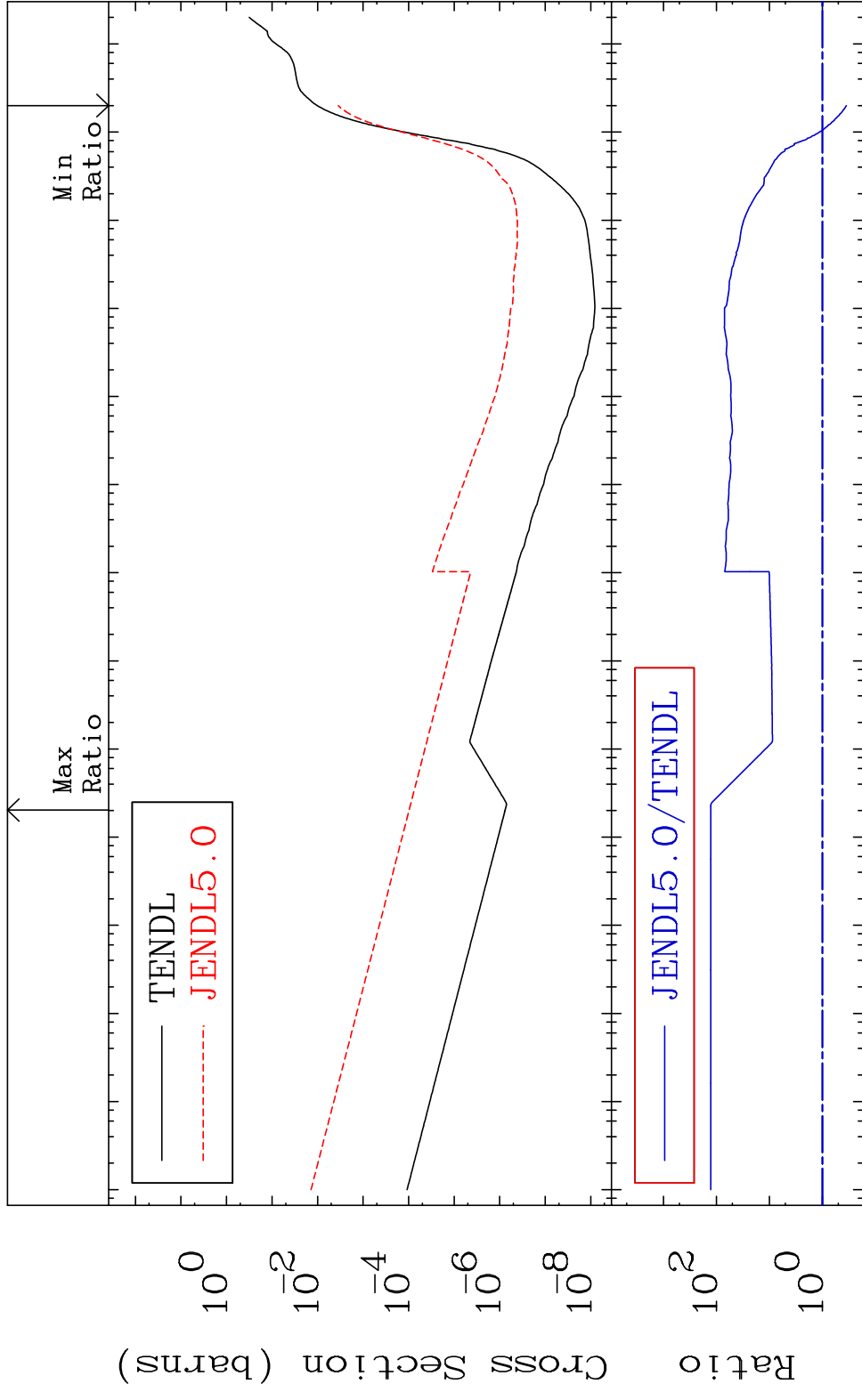
73-Ta-180m

MAT 7326

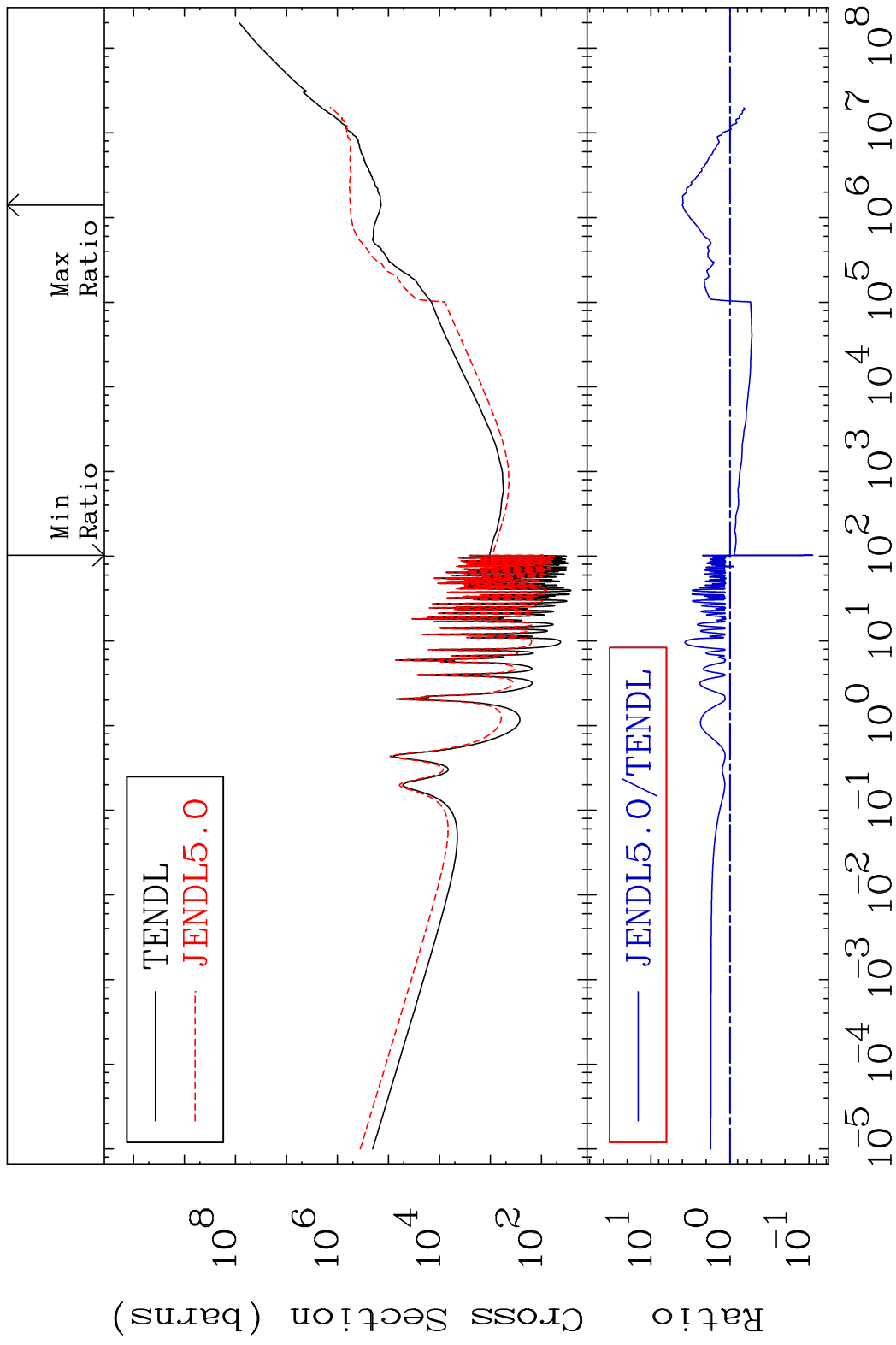
He-4 Production

73-Ta-180m

Cross Section -64.82 To 9999. %



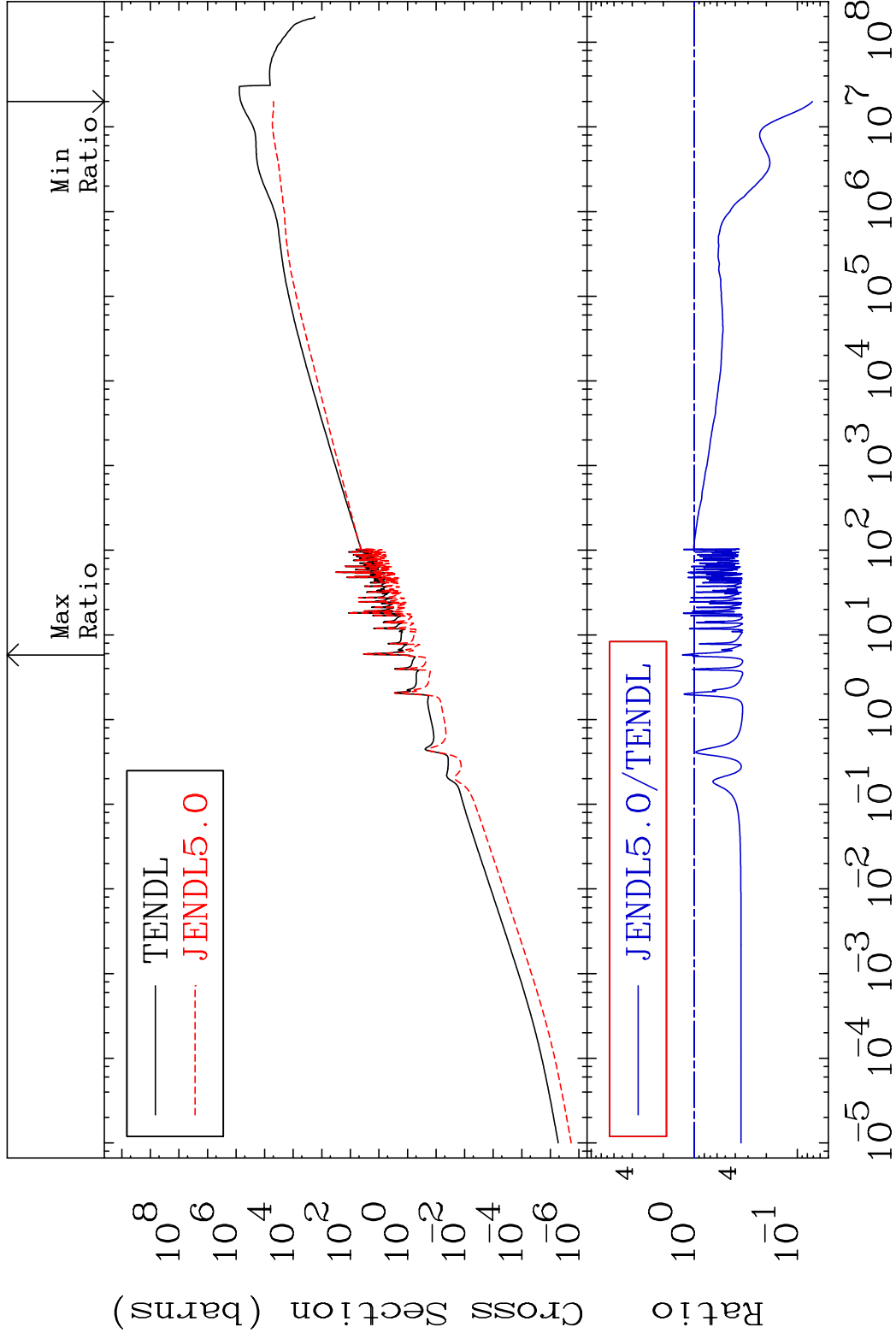
MAT 7326 Kerma total (eV-barns) 73-Ta-180m  
Cross Section -91.03 To 300.9 %



MAT 7326

Kerma elastic  
Cross Section

73-Ta-180m  
-92.88 To 30.43 %

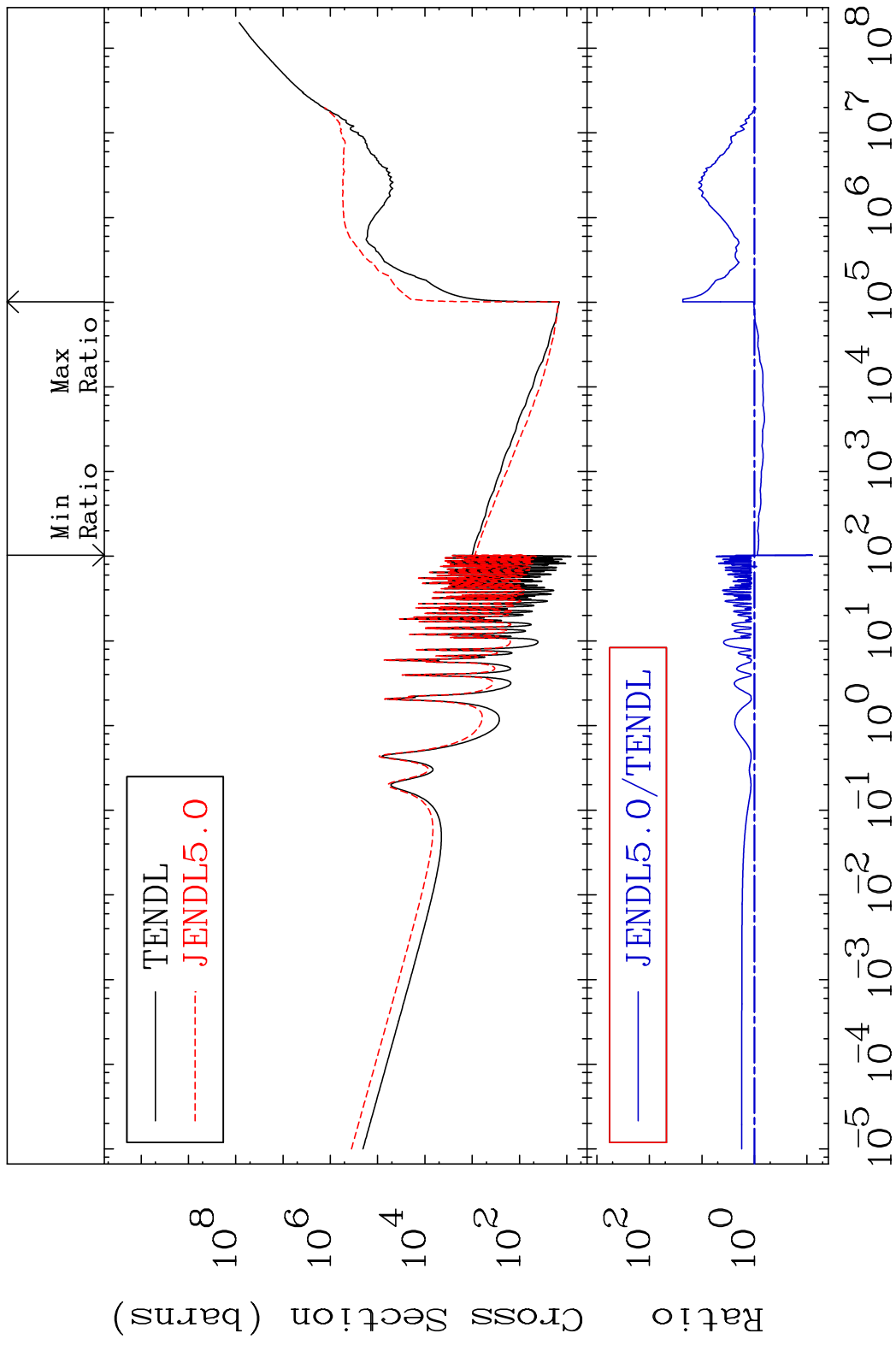


50

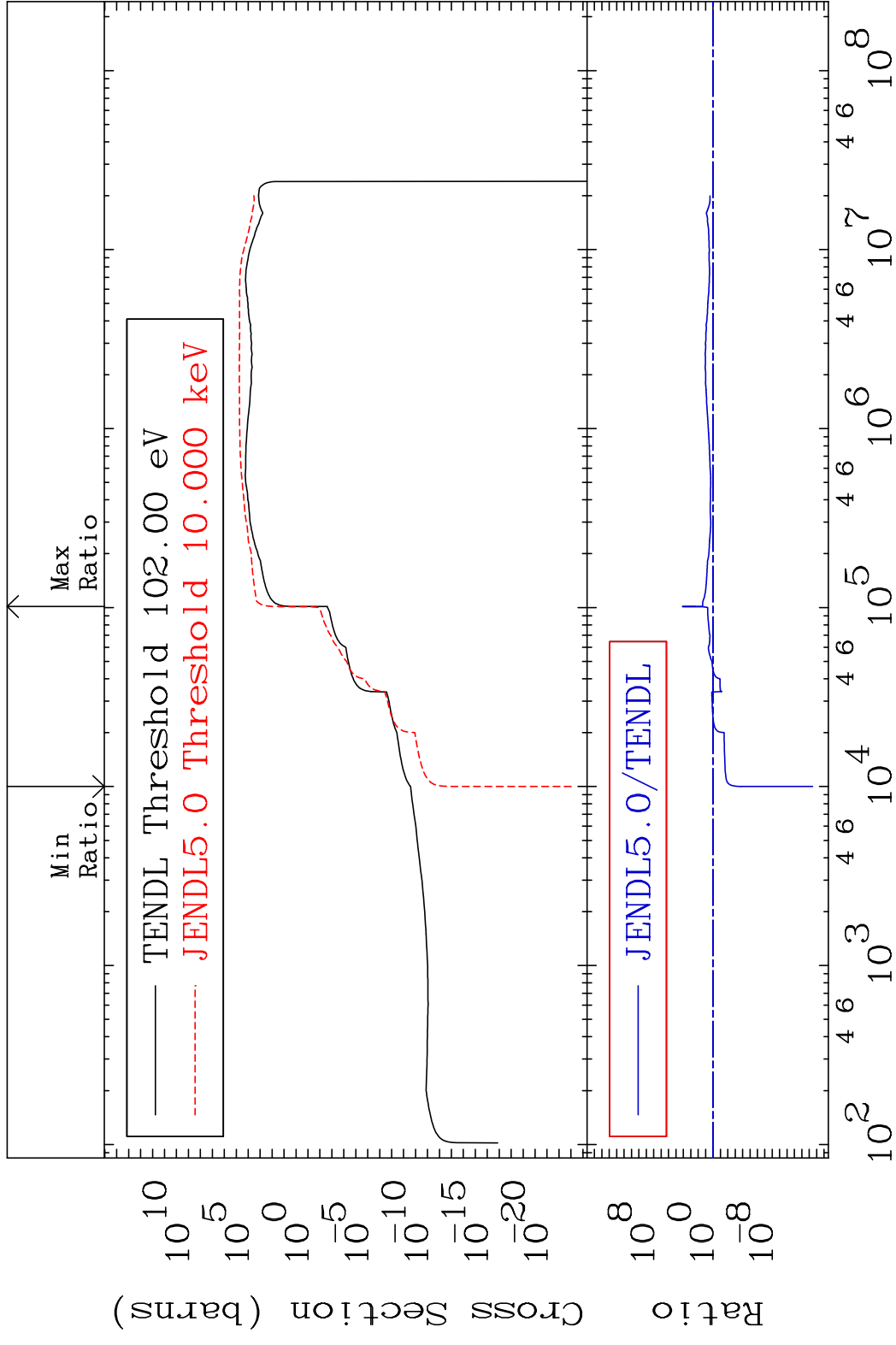
Incident Energy (eV)

73-Ta-180m

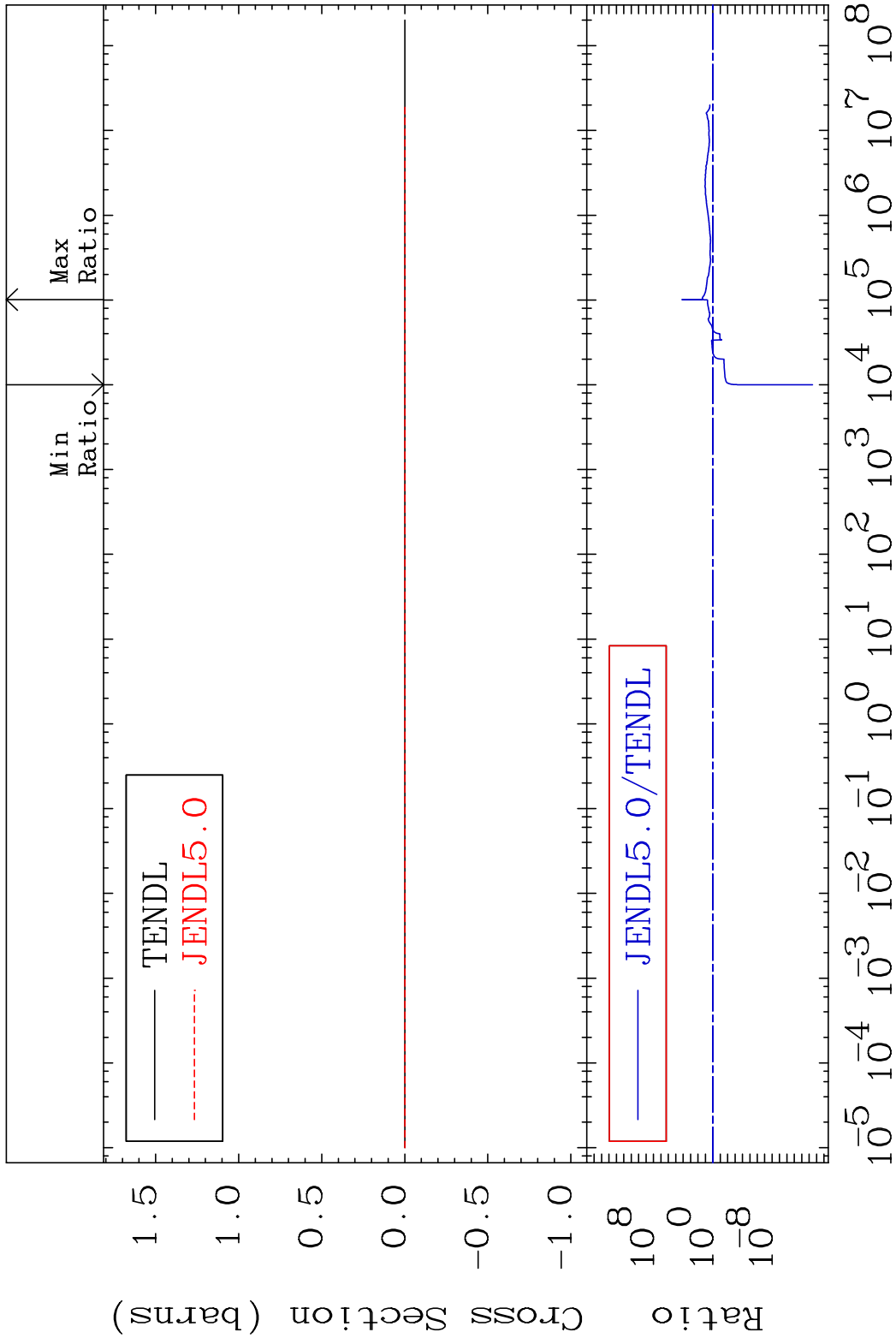
MAT 7326 Kerma non-elastic (all but mt2) 73-Ta-180m  
 Cross Section -92.19 To 2257. %



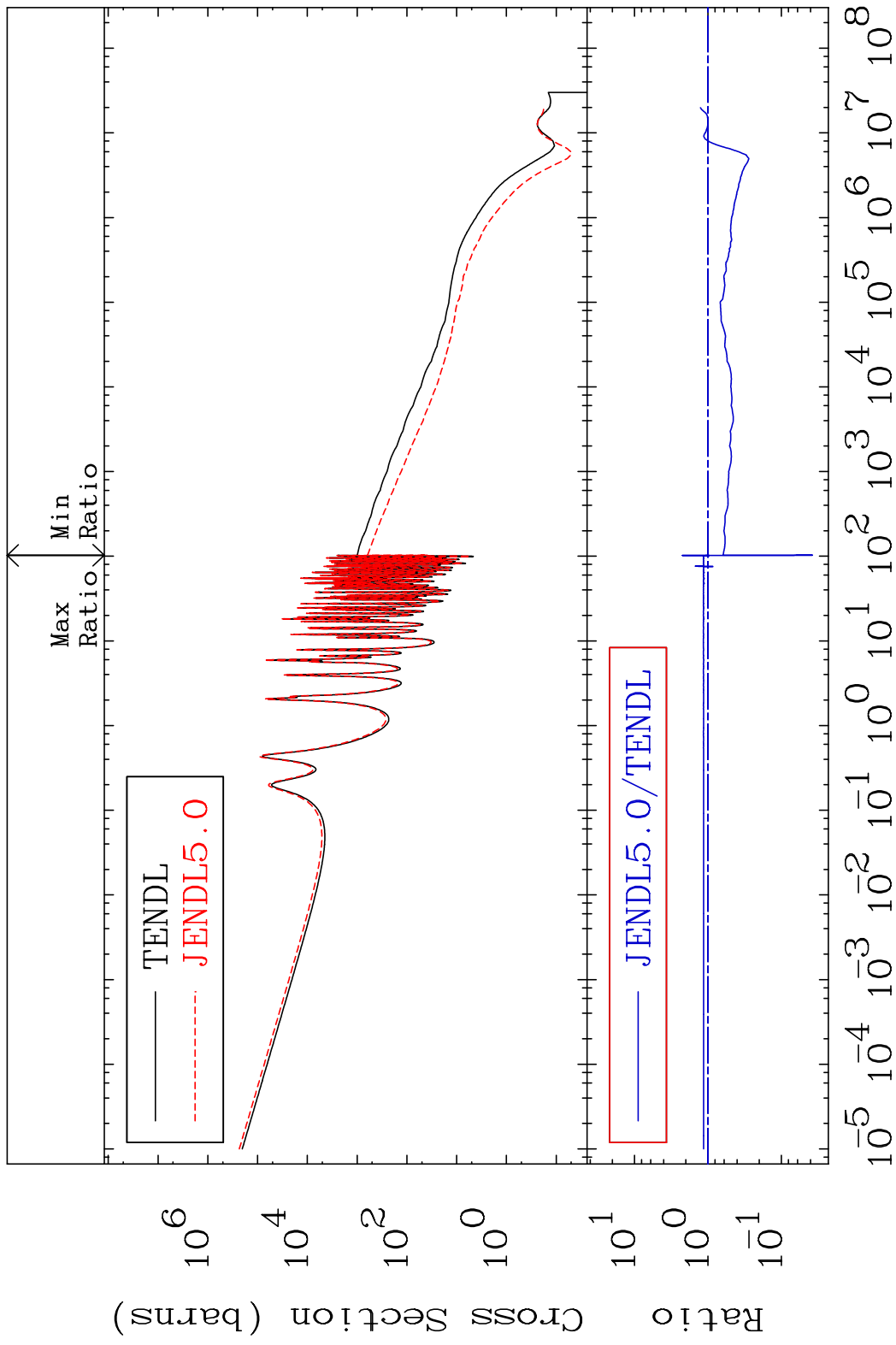
MAT 7326 Kerma inelastic (mt51-91) 73-Ta-180m  
 Cross Section -100.0 To 9999. %



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

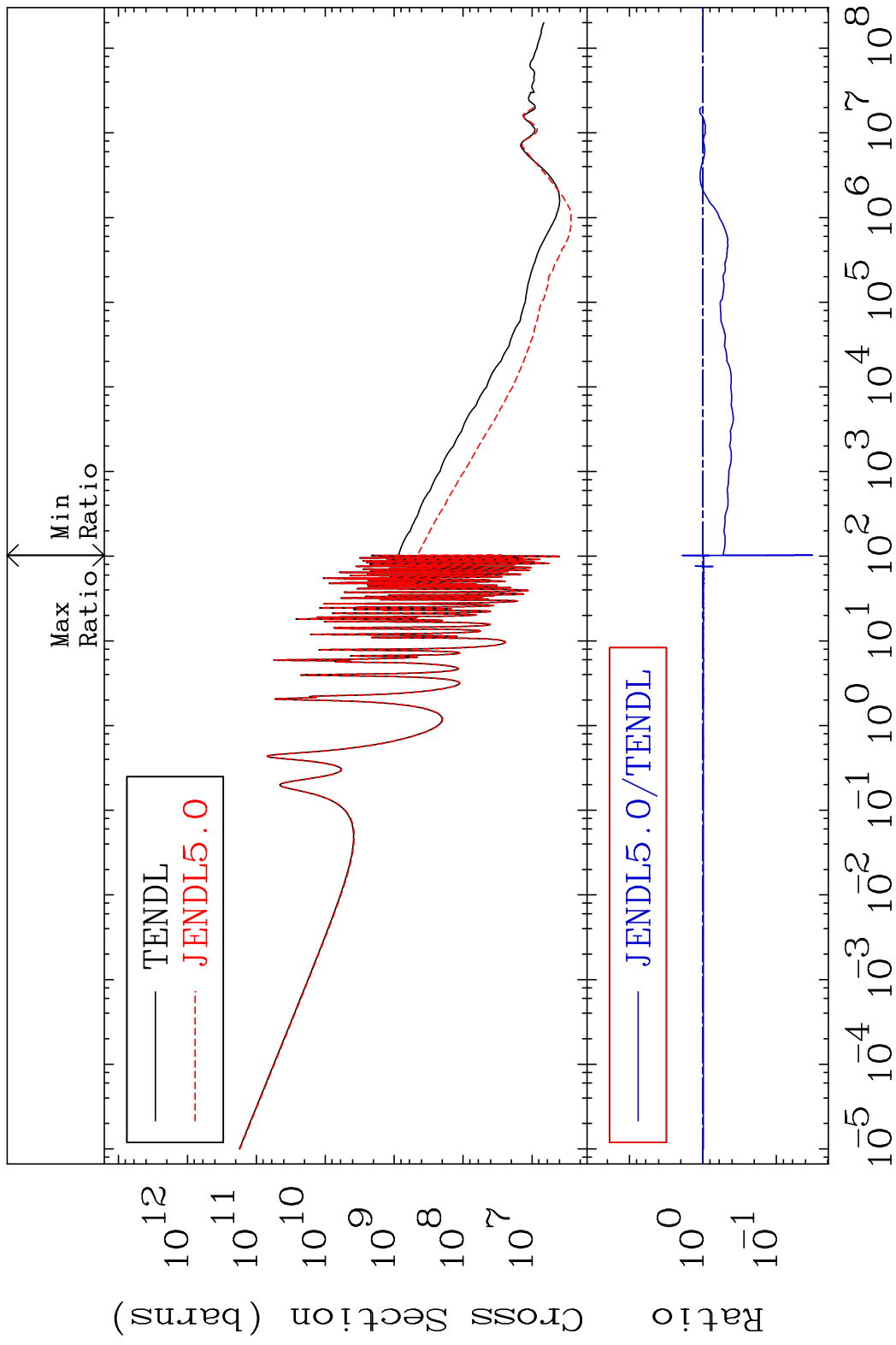


MAT 7326 Kerma capture (mt102) 73-Ta-180m  
 Cross Section -96.25 To 122.7 %



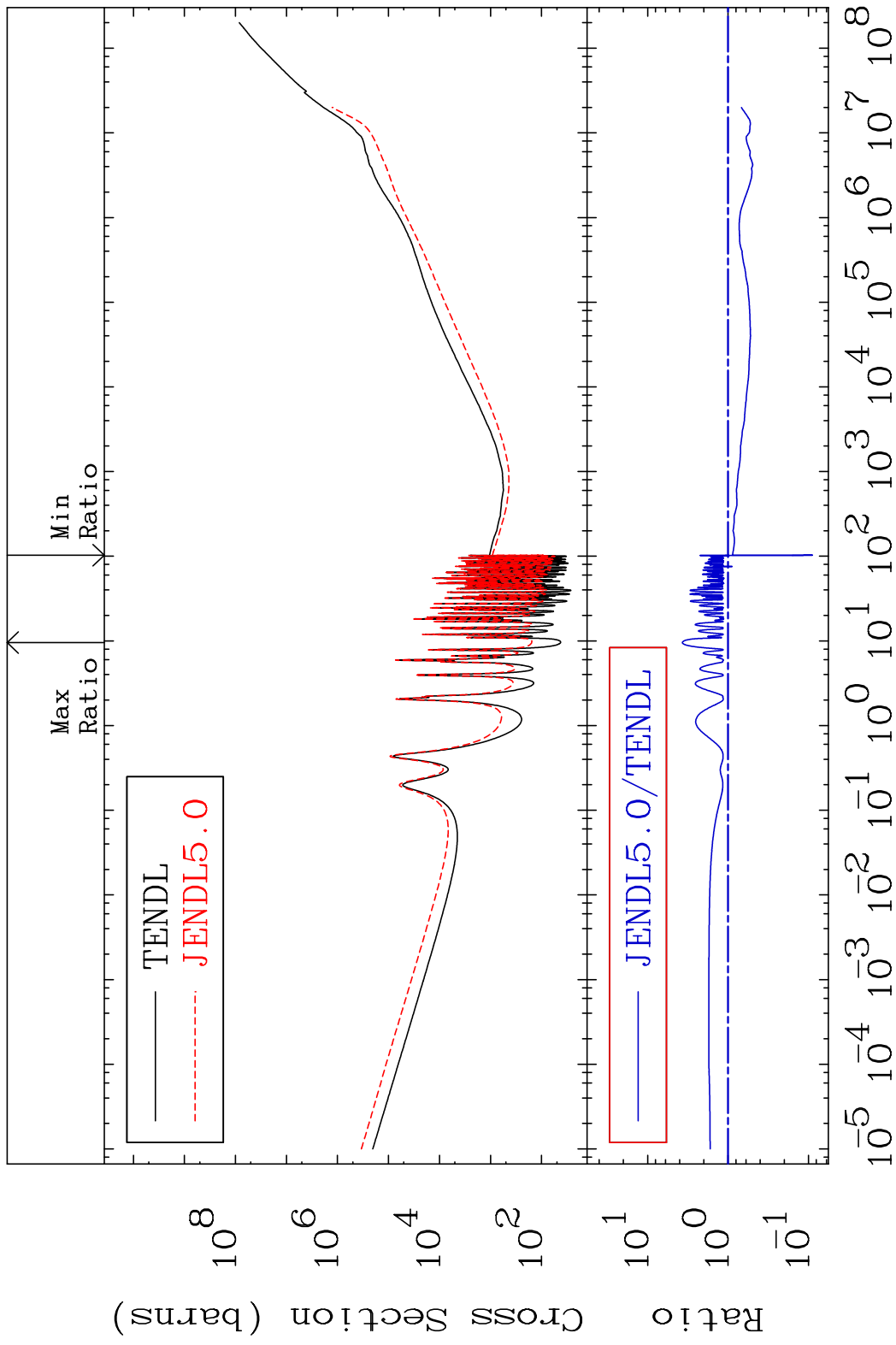
54 Incident Energy (eV) 73-Ta-180m

MAT 7326 Total photon (eV-barns) 73-Ta-180m  
Cross Section -96.80 To 90.03 %

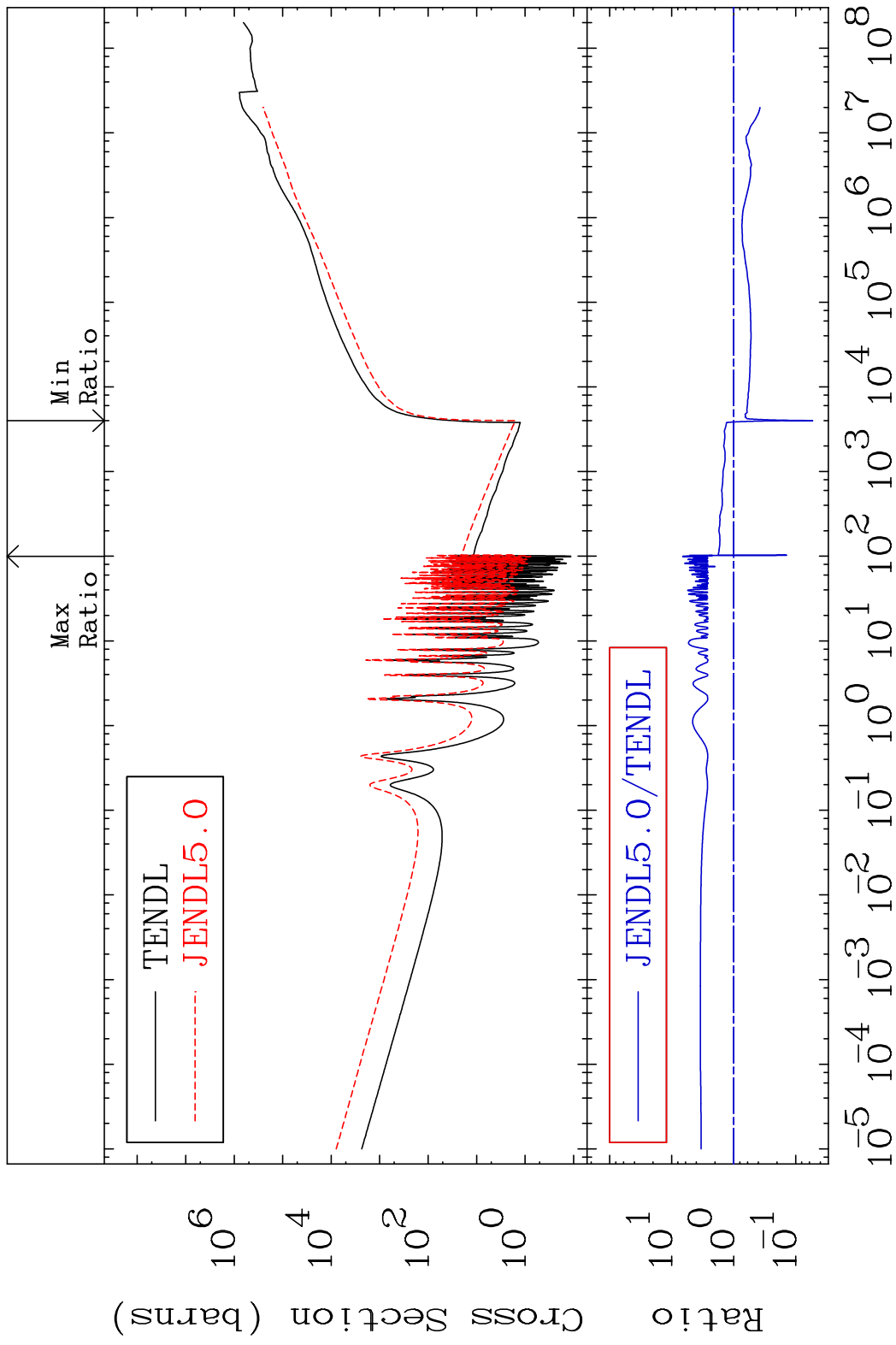


55 Incident Energy (eV) 73-Ta-180m

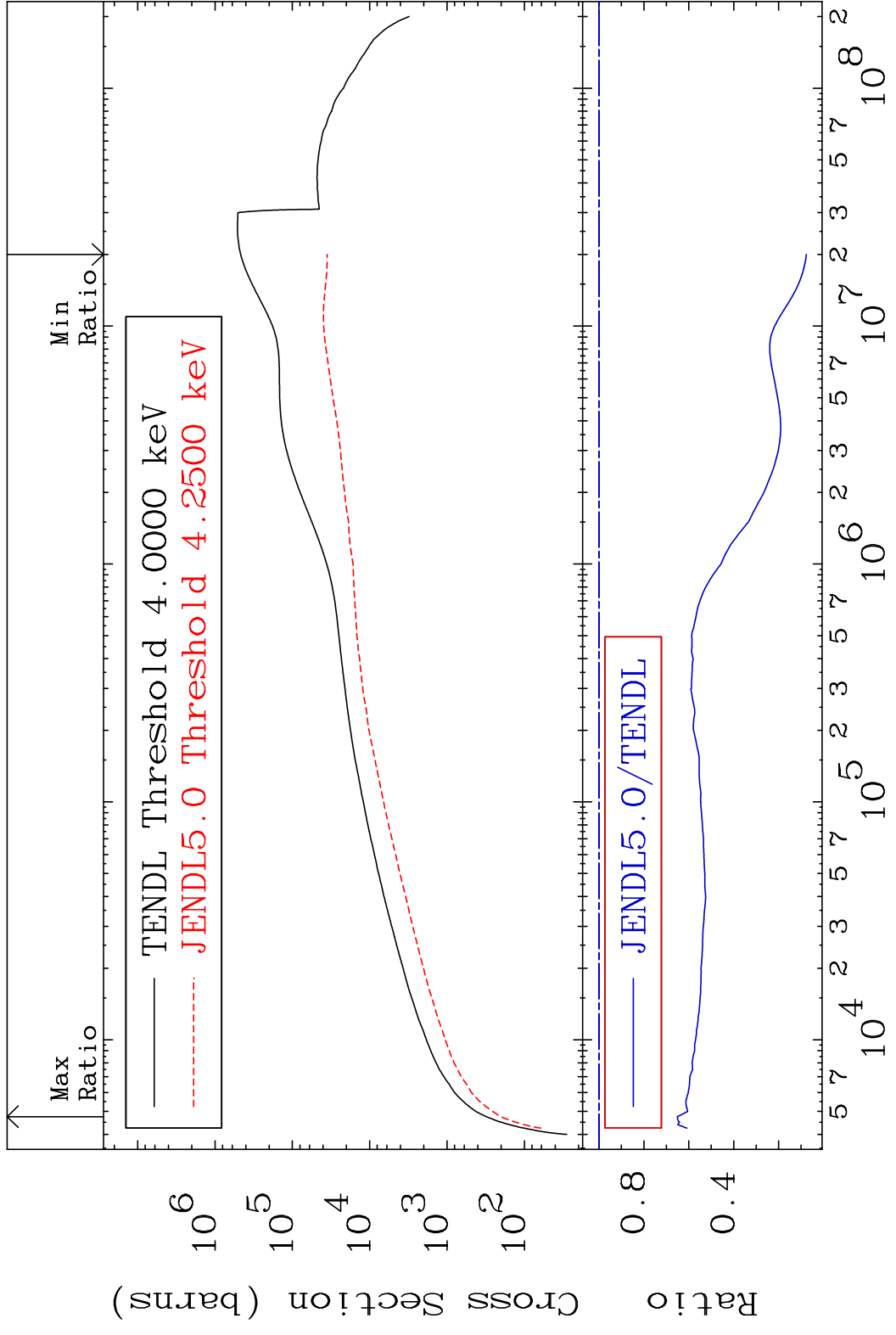
MAT 7326 Total kinematic kerma (high limit)73-Ta-180m  
 Cross Section -91.08 To 270.1 %



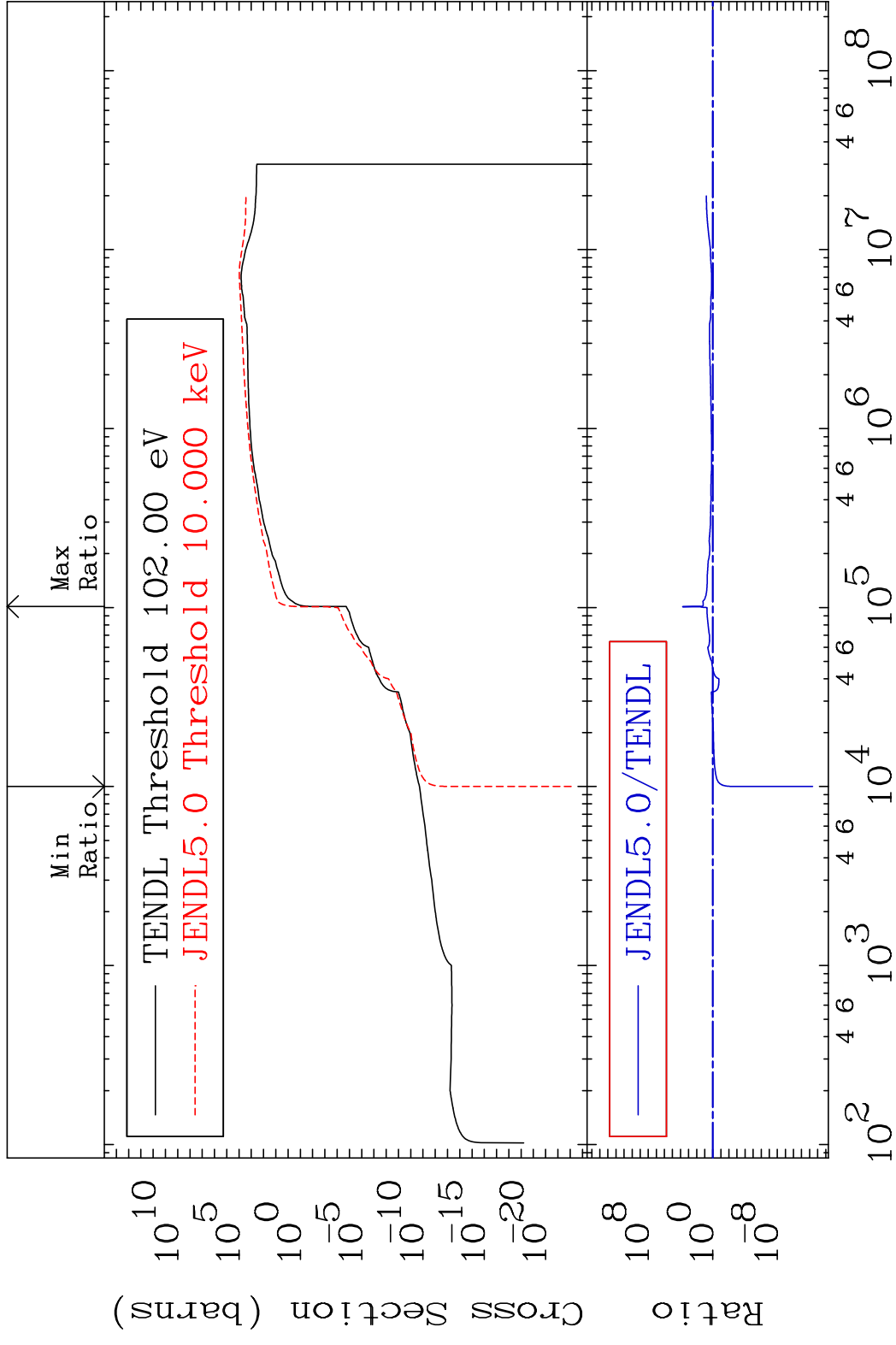
MAT 7326      Dpa total (eV-barns)      73-Ta-180m  
 Cross Section      -94.64 To 574.1 %



MAT 7326      Dpa elastic (mt2)      73-Ta-180m  
 Cross Section      -92.37 To -34.83%

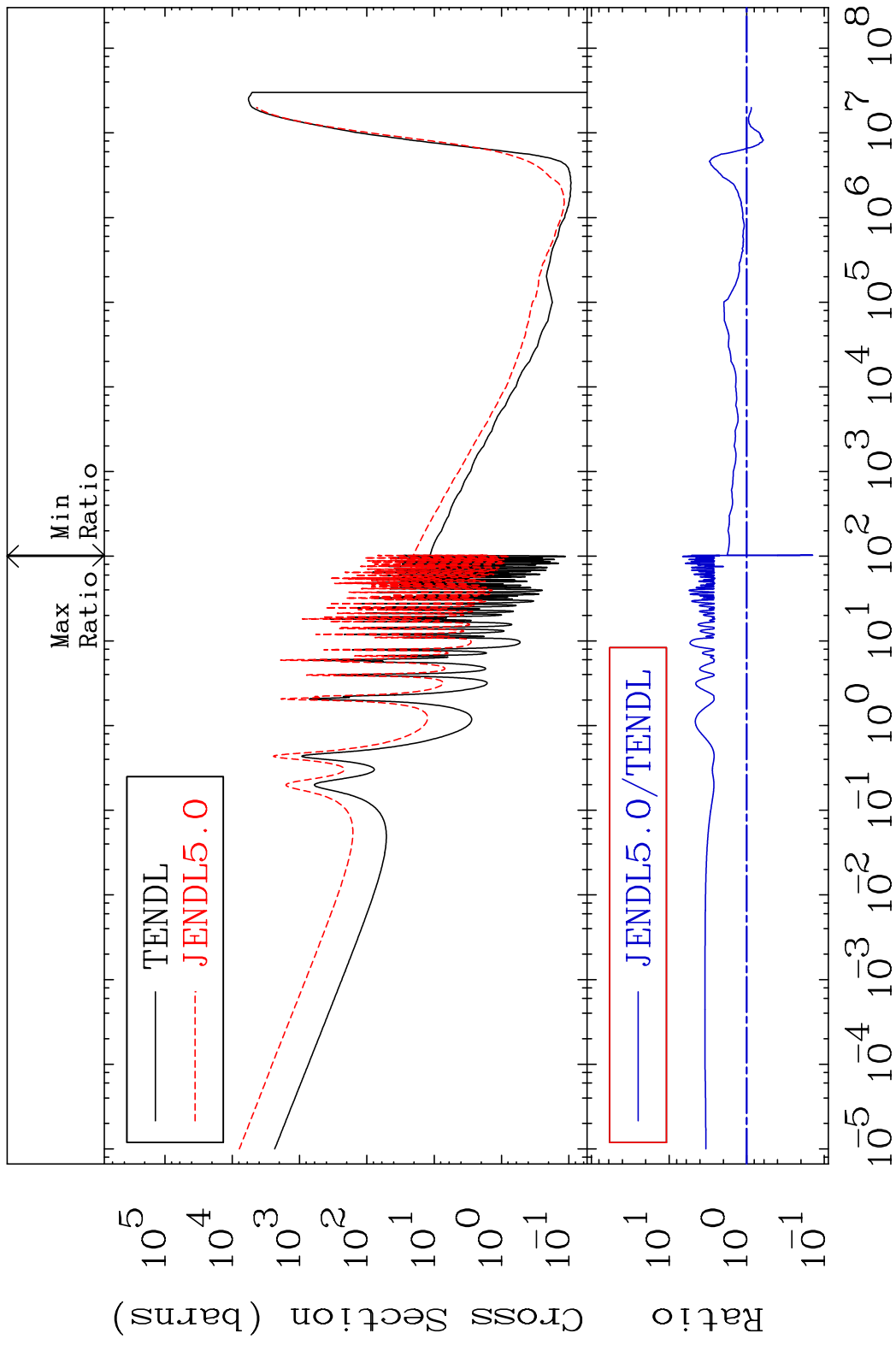


MAT 7326 Dpa inelastic (mt51-91) 73-Ta-180m  
 Cross Section -100.0 To 9999. %



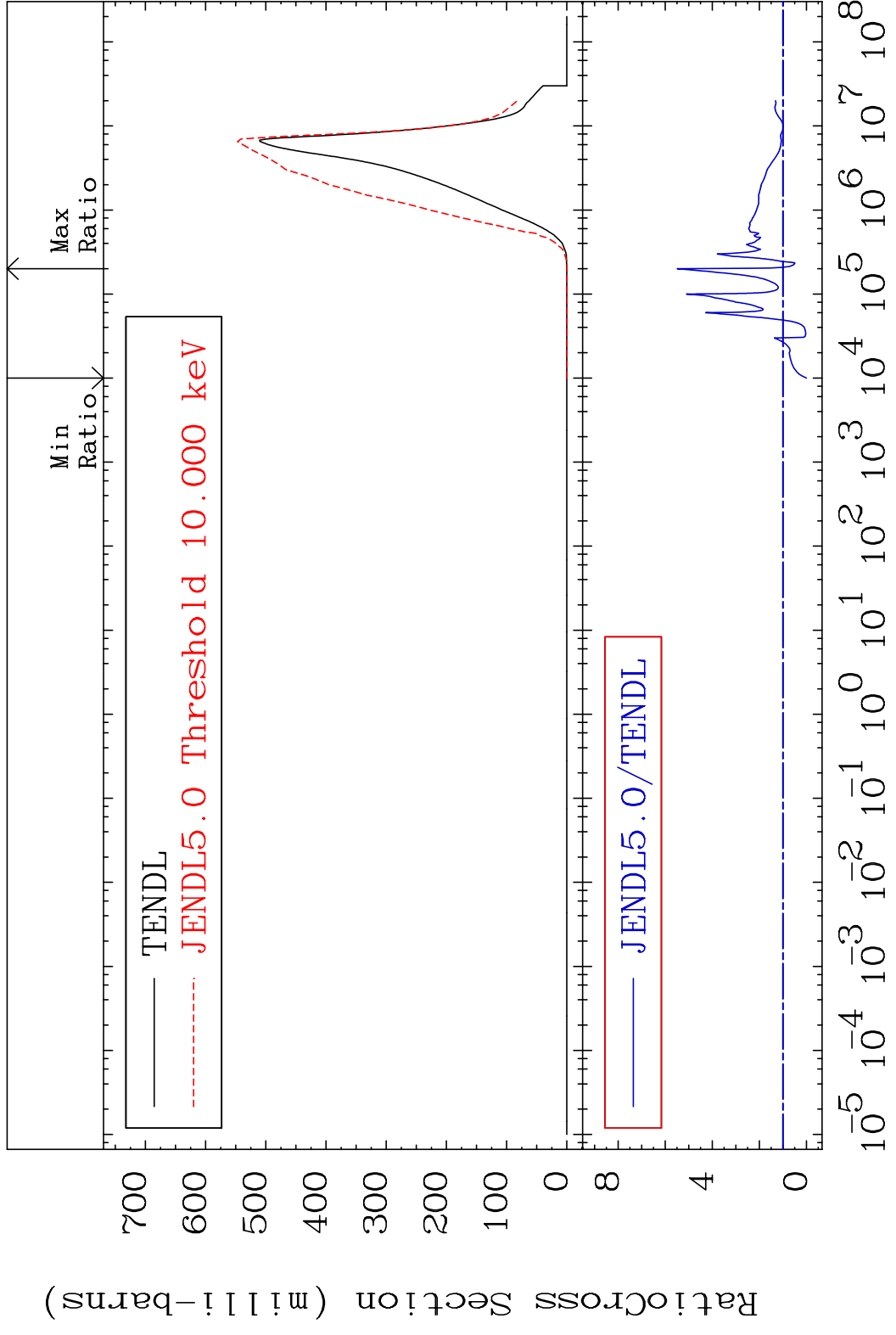
59 Incident Energy (eV) 73-Ta-180m

MAT 7326 Dpa disappearance (mt102 -120) 73-Ta-180m  
 Cross Section -85.82 To 574.1 %

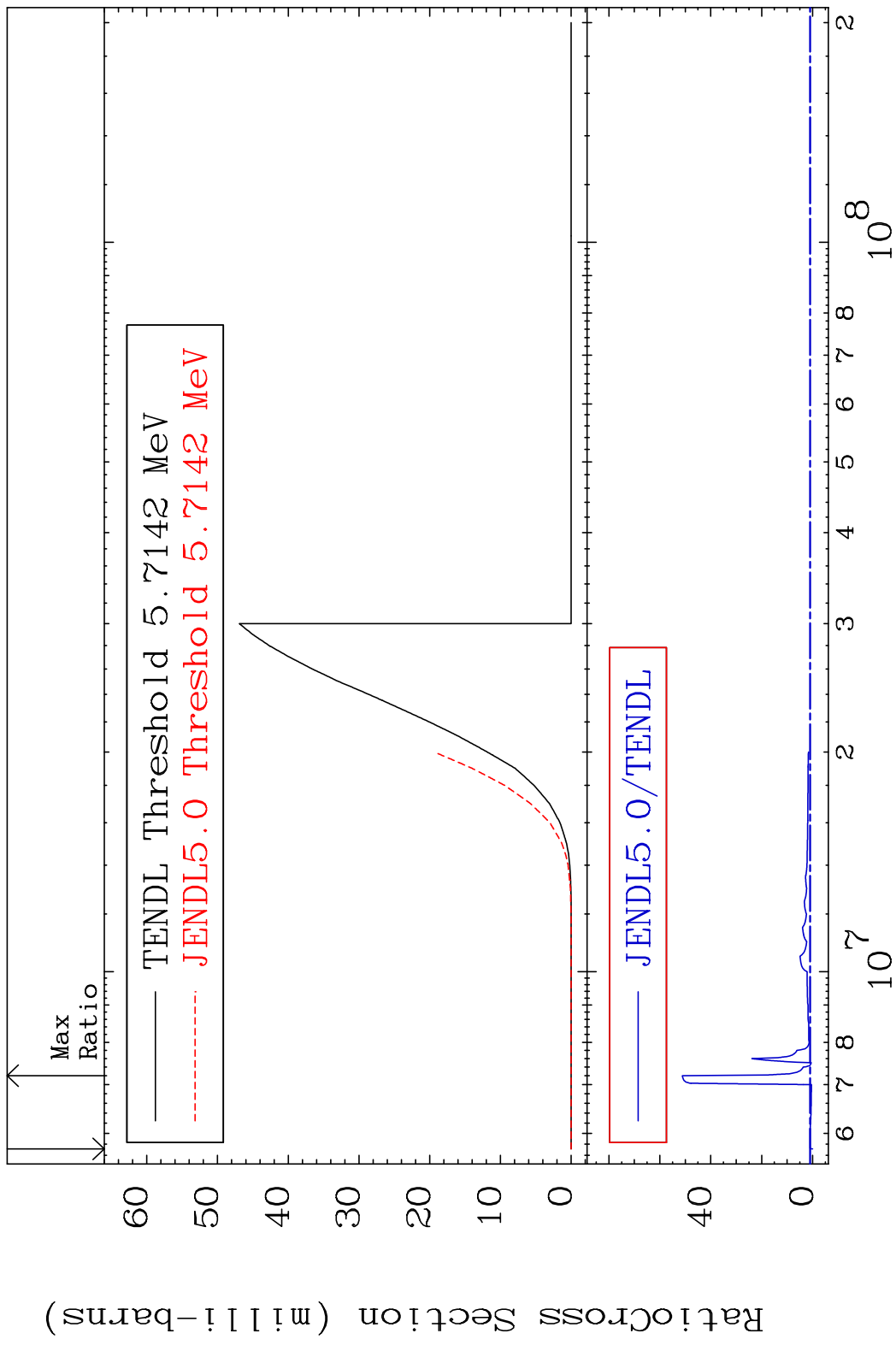


60 Incident Energy (eV) 73-Ta-180m

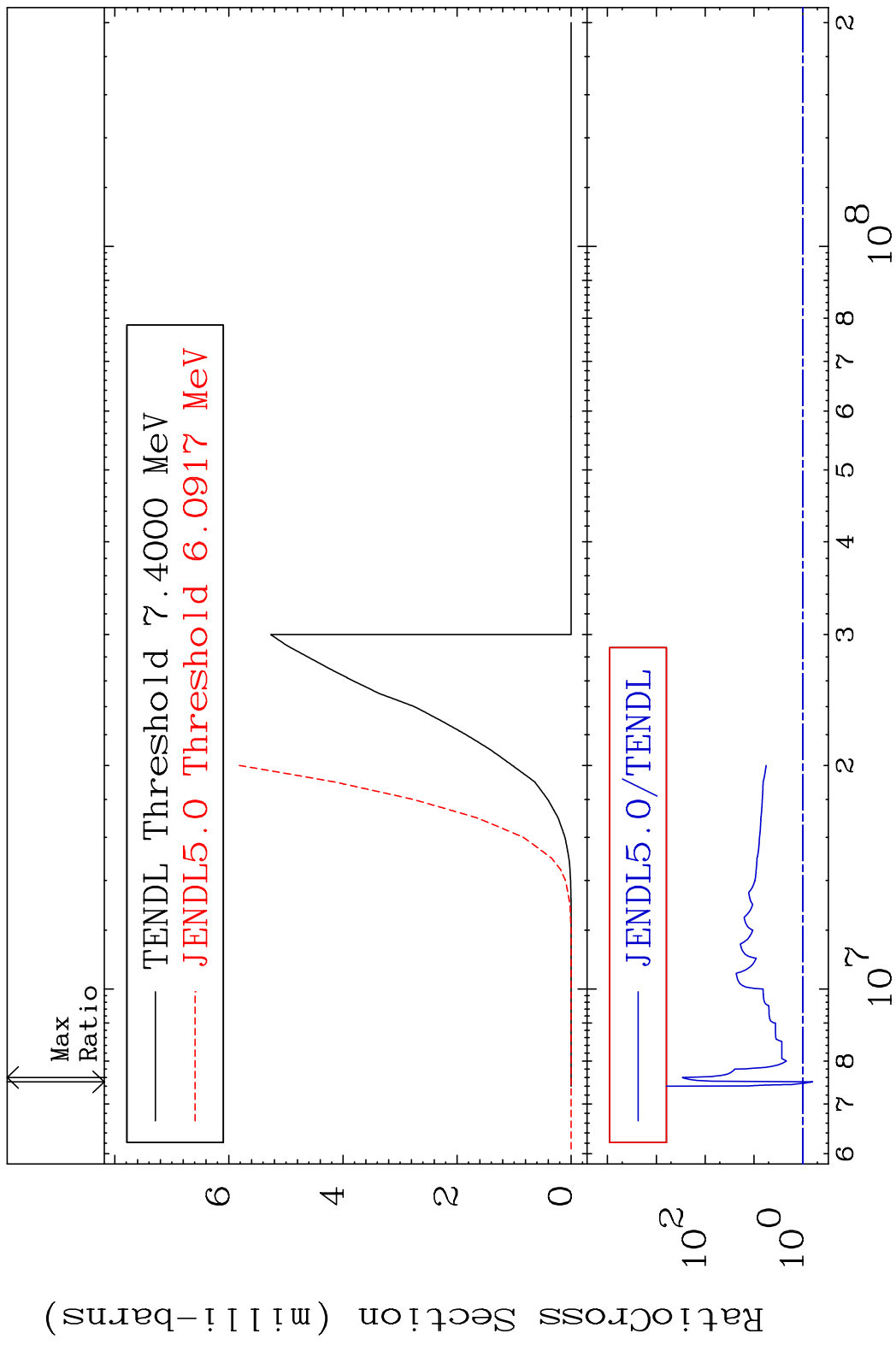
MAT 7326 Inelastic:73-Ta-180g 73-Ta-180m  
 Radionuclide Production Cross Section Ratio 449.0 %

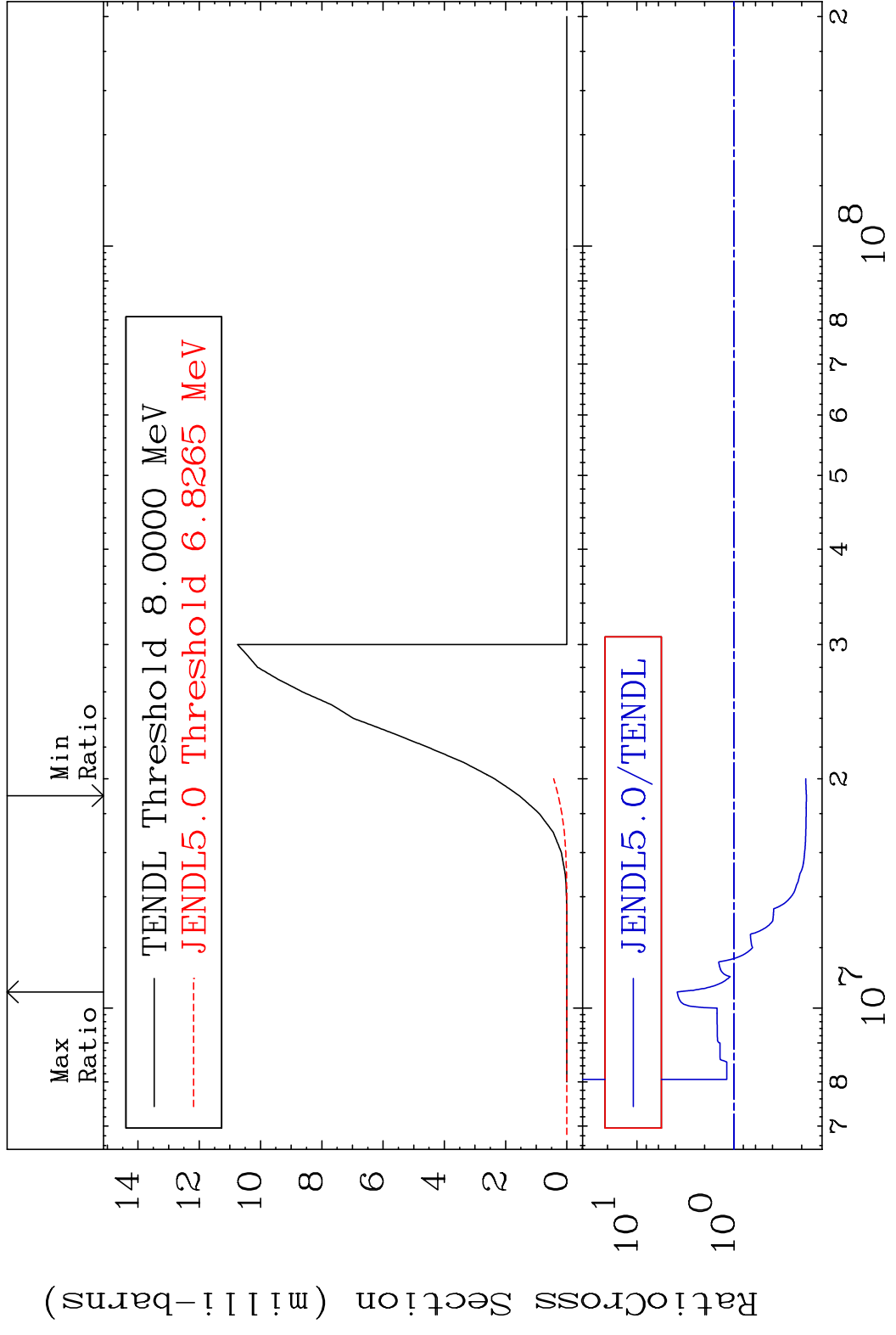


MAT 7326 (n, n') p:72-Hf-179g 73-Ta-180m  
 Radionuclide Production Cross Section to 5014. %

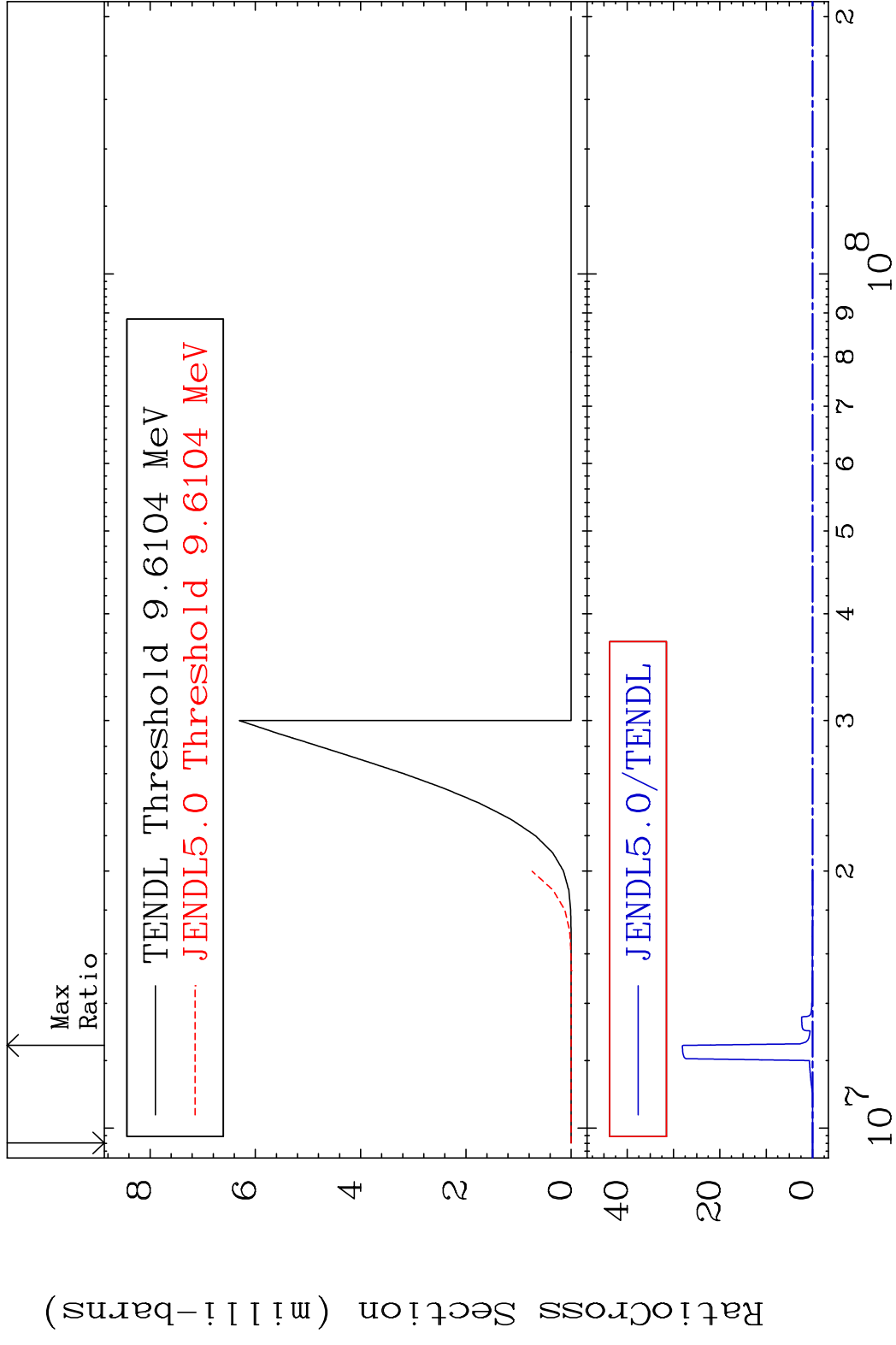


MAT 7326 (n, n') p:72-Hf-179m5 73-Ta-180m  
 Radionuclide Production Cross Section to 9999. %



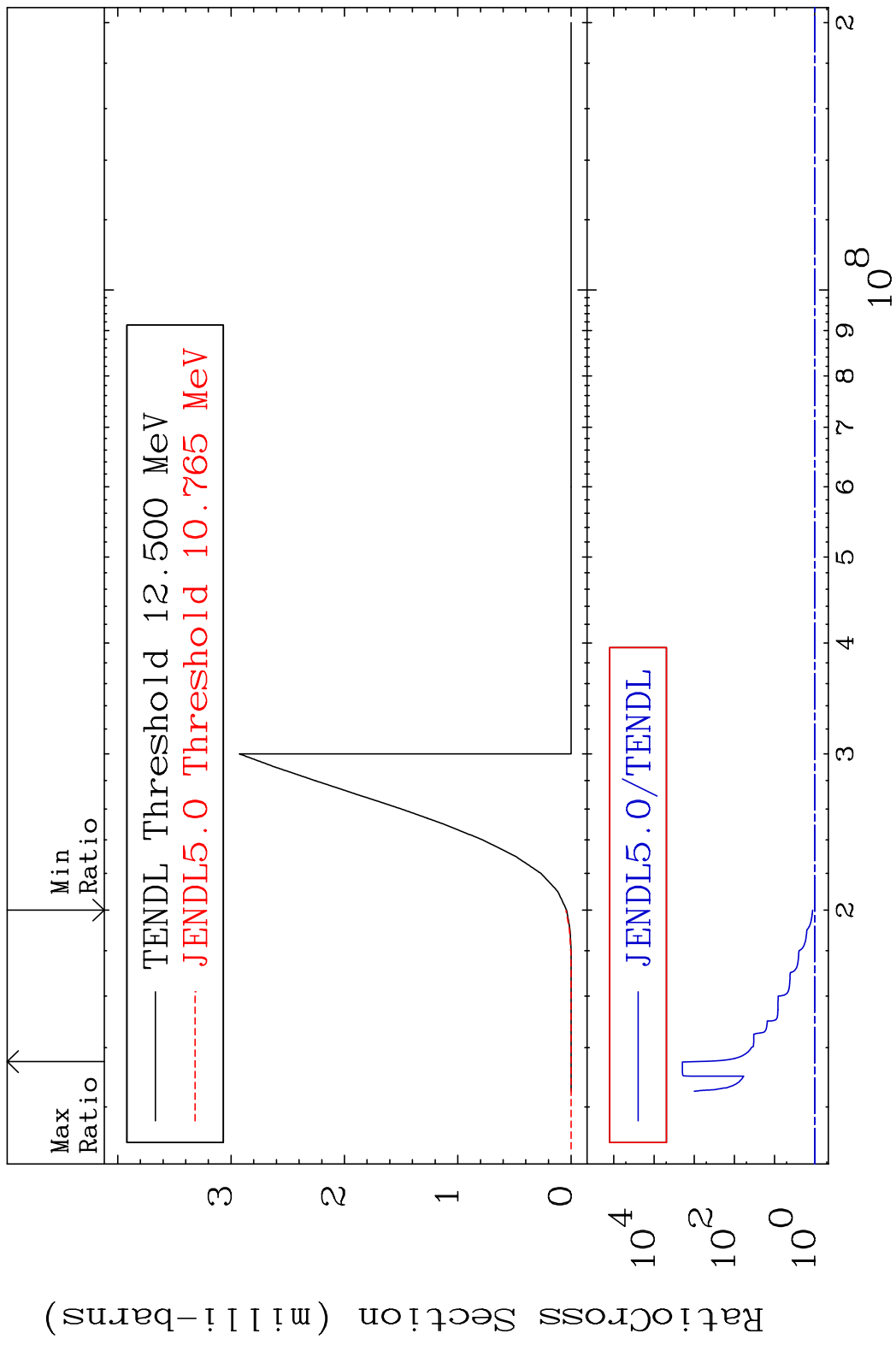


MAT 7326 (n, n') d:72-Hf-178g 73-Ta-180m  
 Radionuclide Production Cross Section Ratio 9999. %

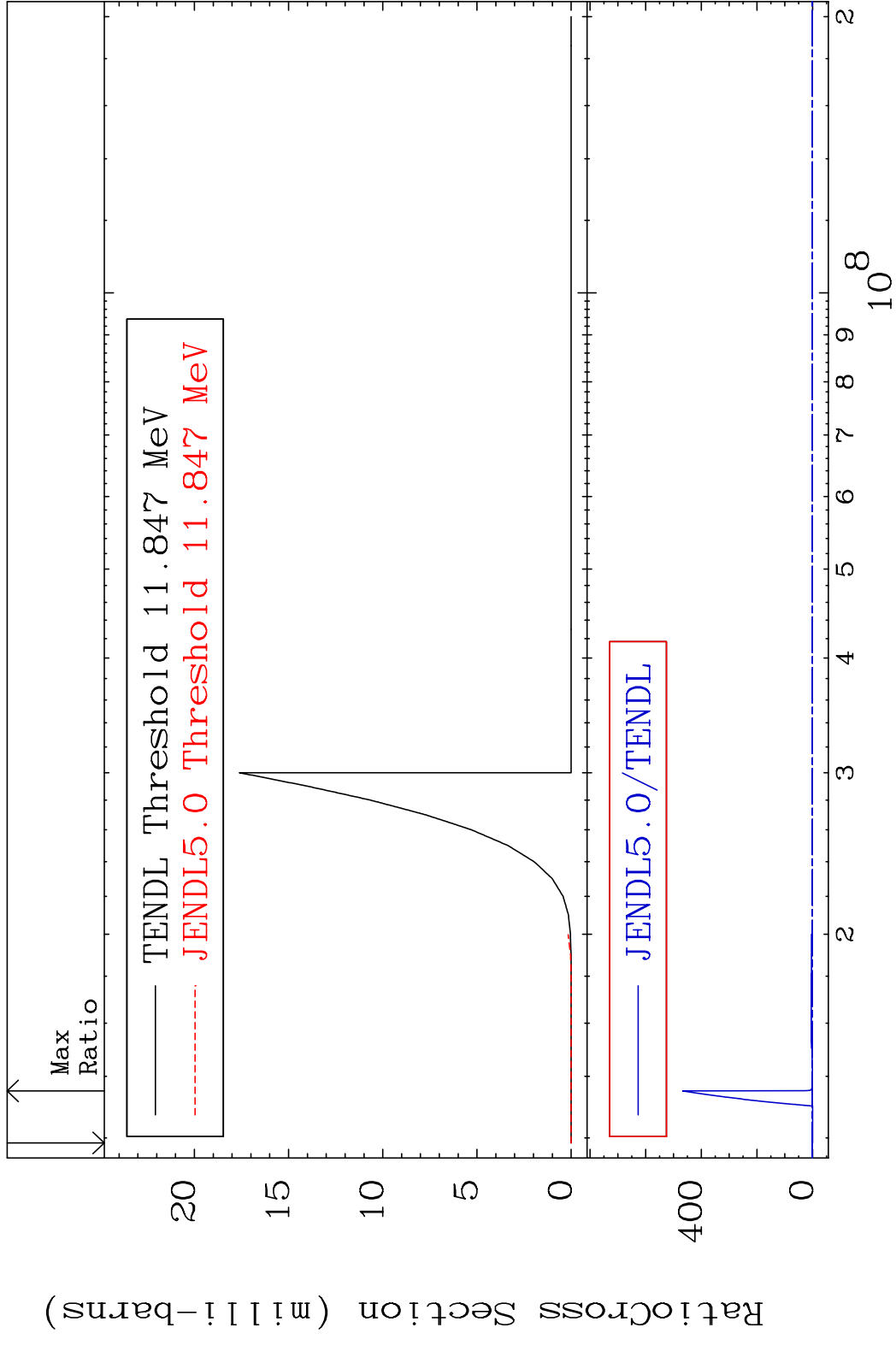


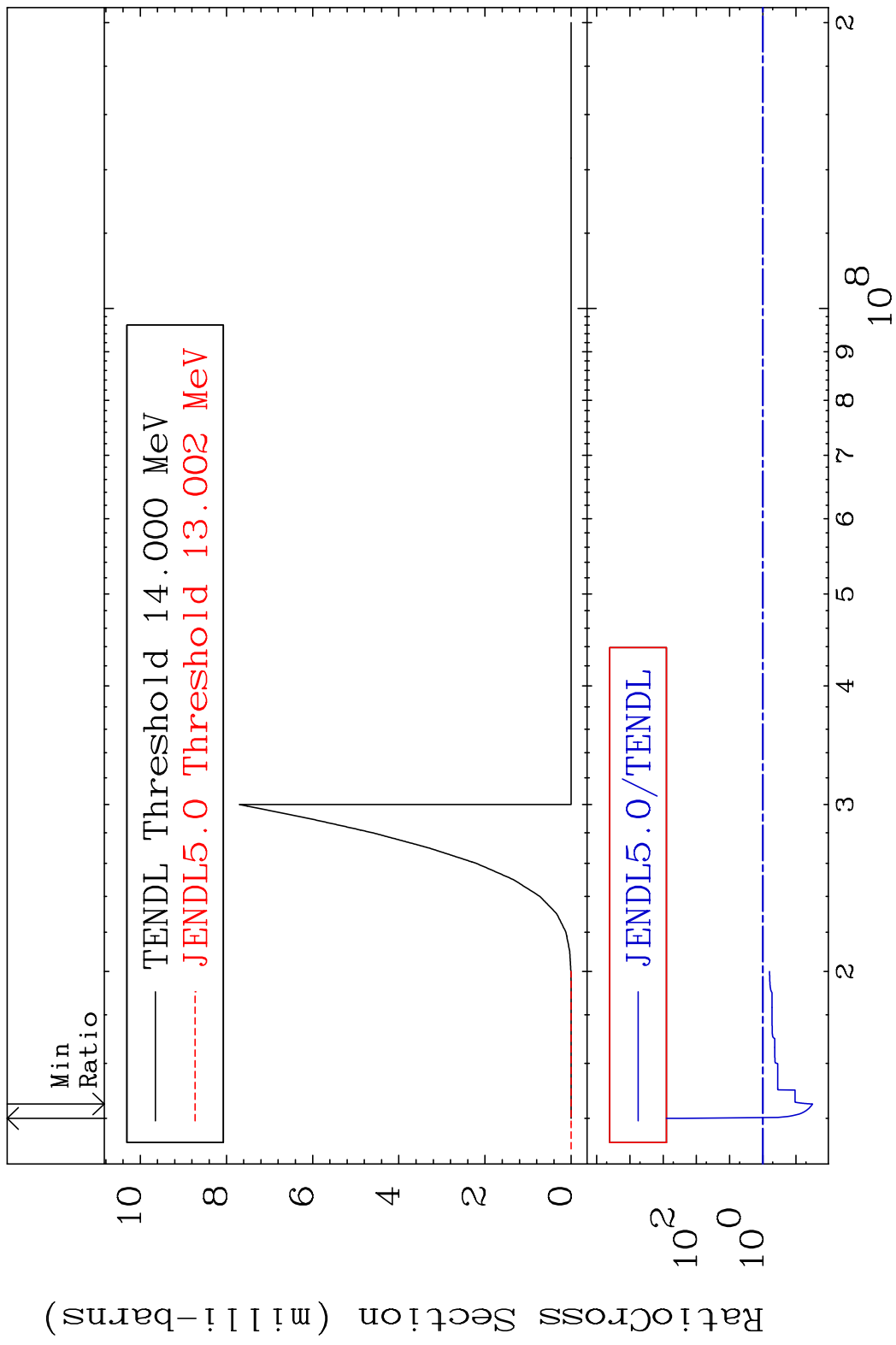
65 Incident Energy (eV) 73-Ta-180m

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

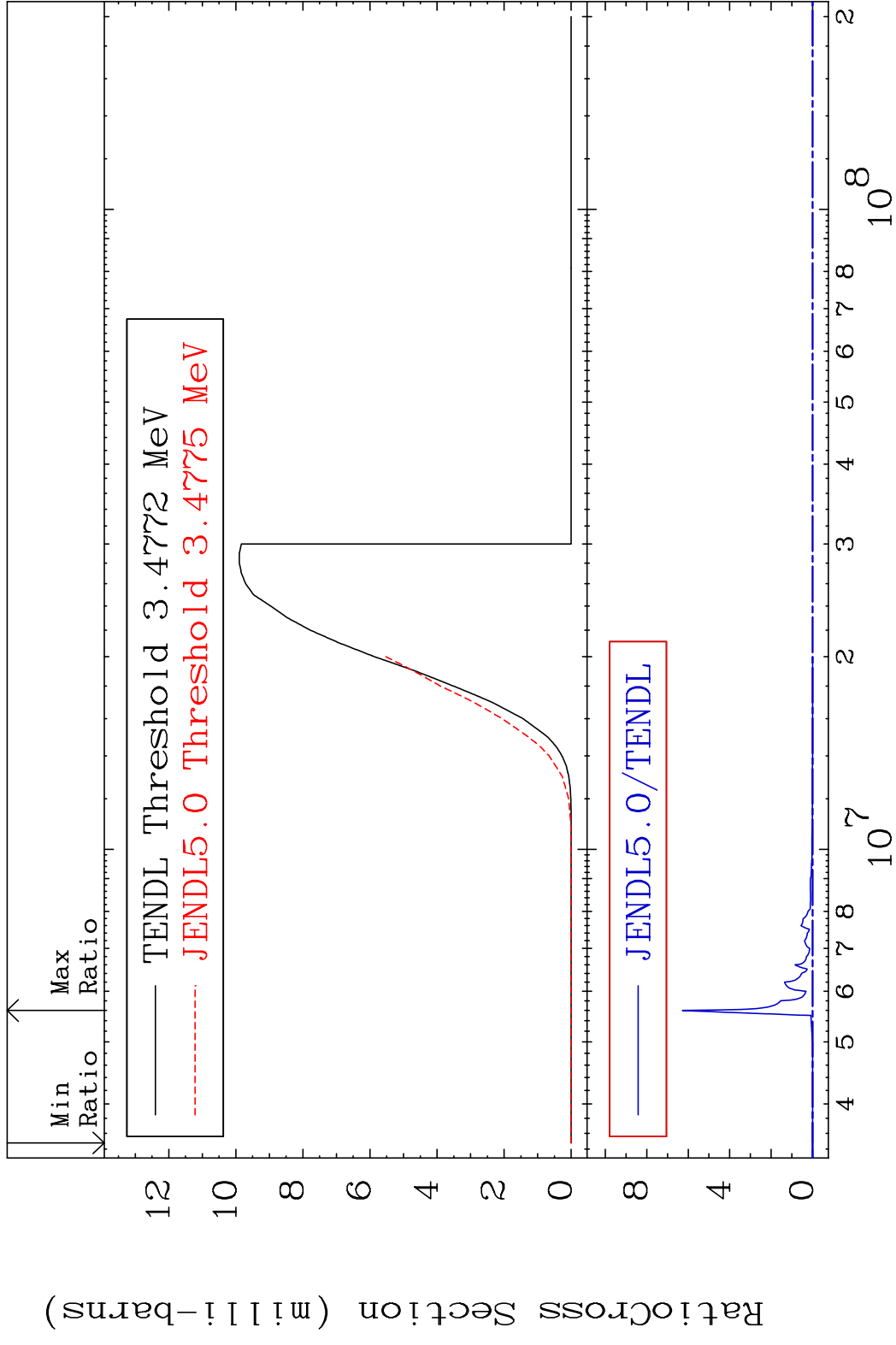


MAT 7326 (n,2n) p:72-Hf-178g 73-Ta-180m  
 Radionuclide Production Cross Section 18000 dth 9999. %

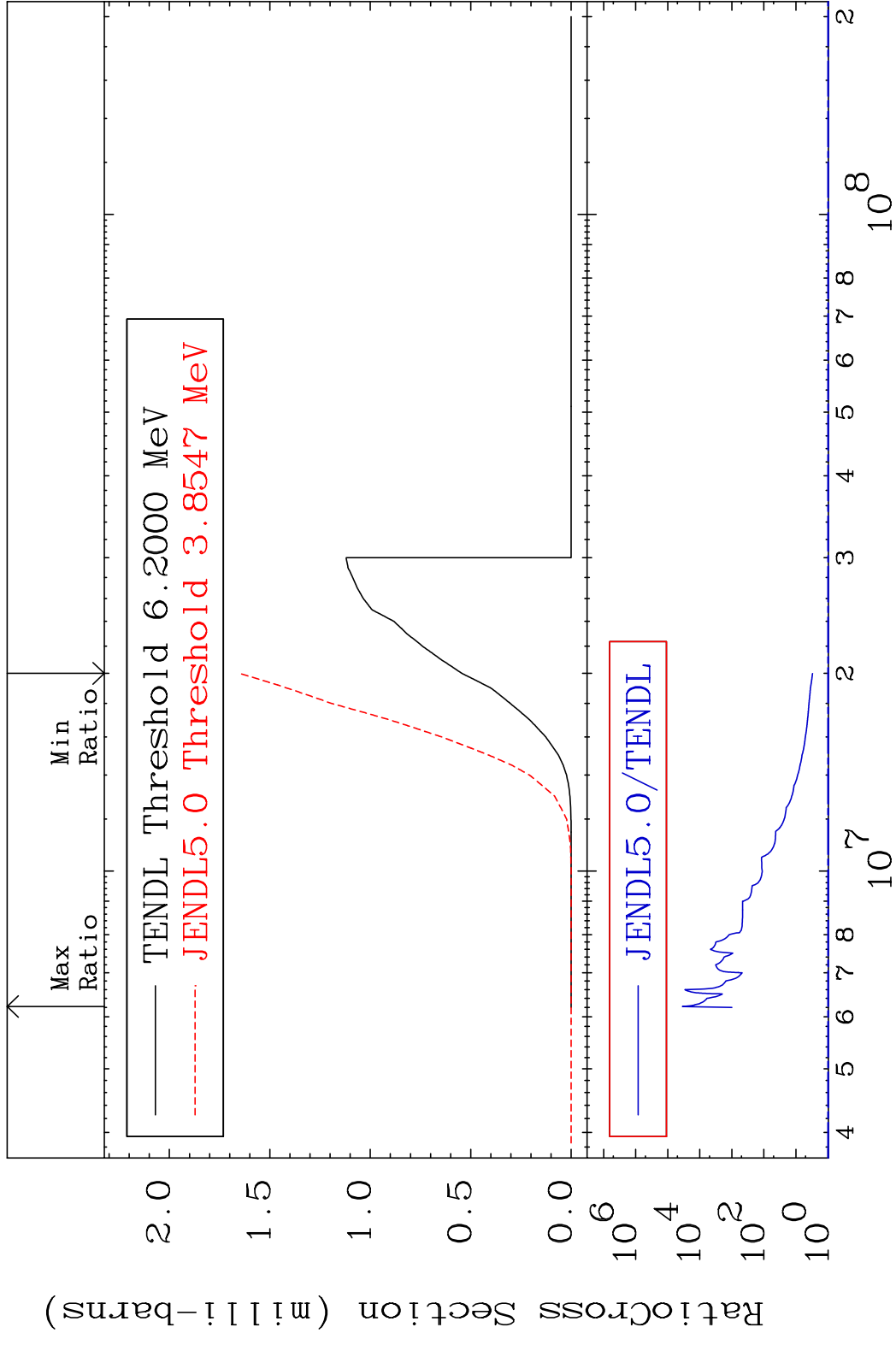




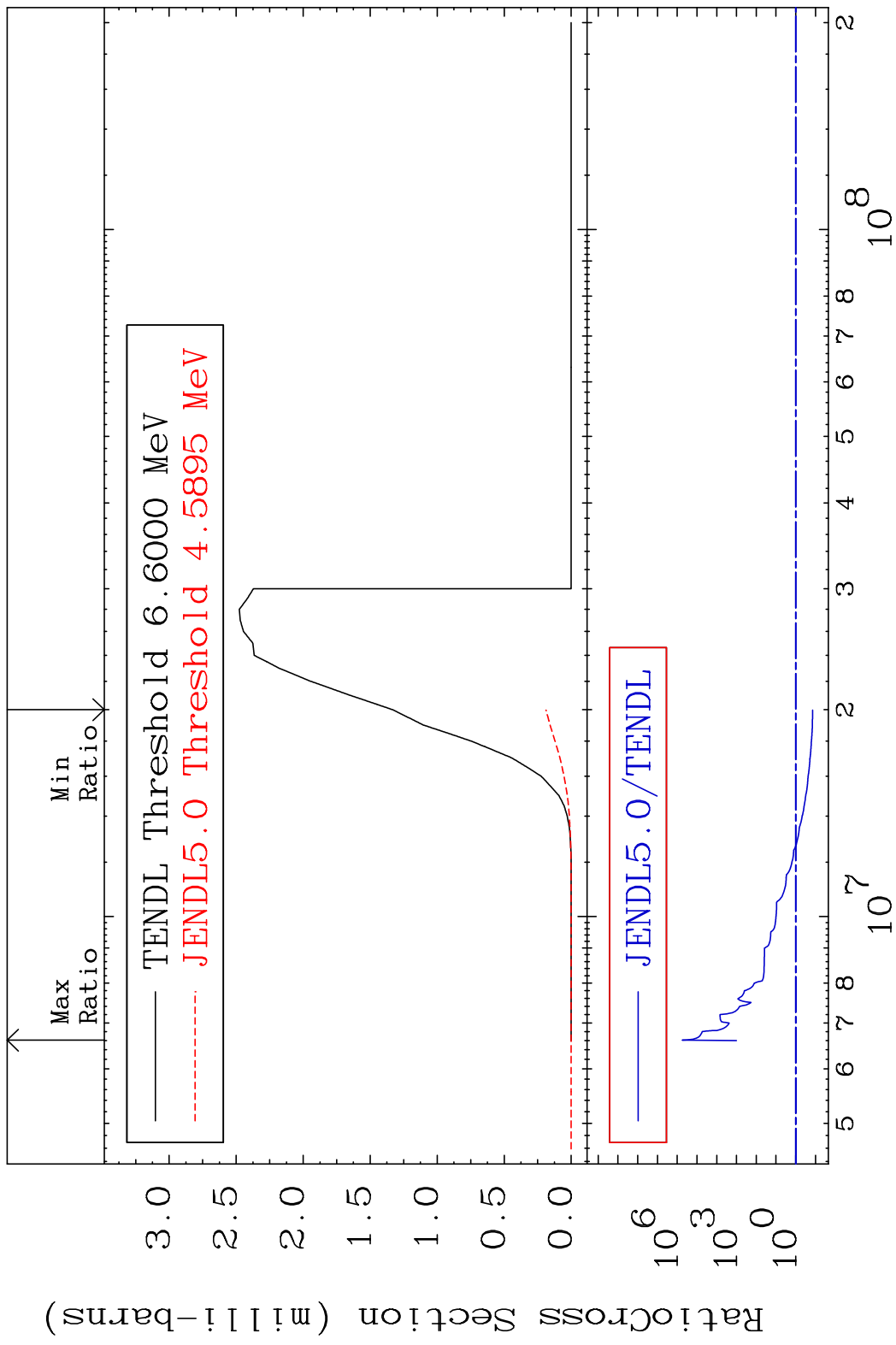
MAT 7326 (n,d):72-Hf-179g 73-Ta-180m  
 Radionuclide Production Cross Section to 9999. %



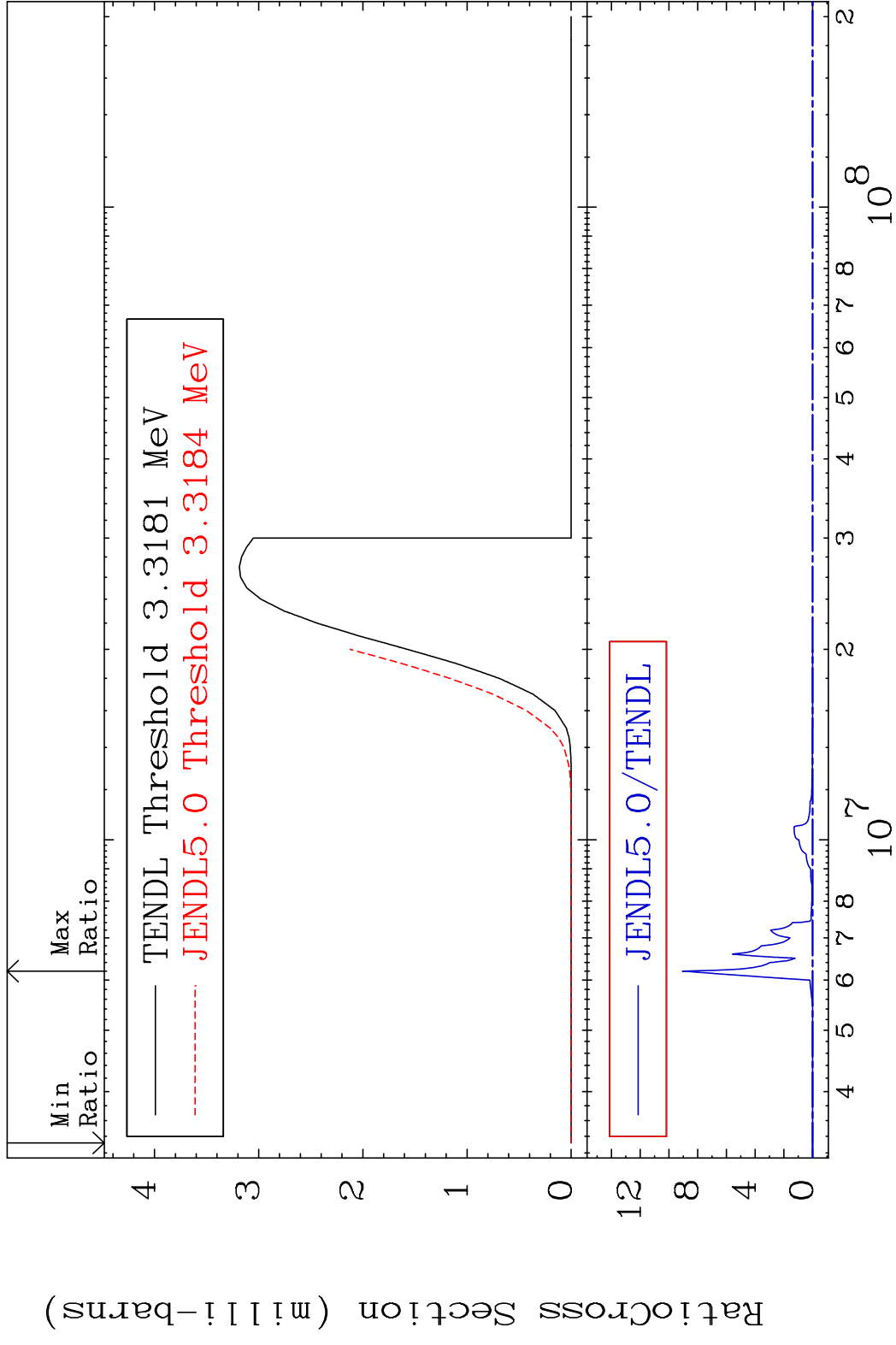
MAT 7326 (n,d):72-Hf-179m5 73-Ta-180m  
 Radionuclide Production Cross Section 9999. %



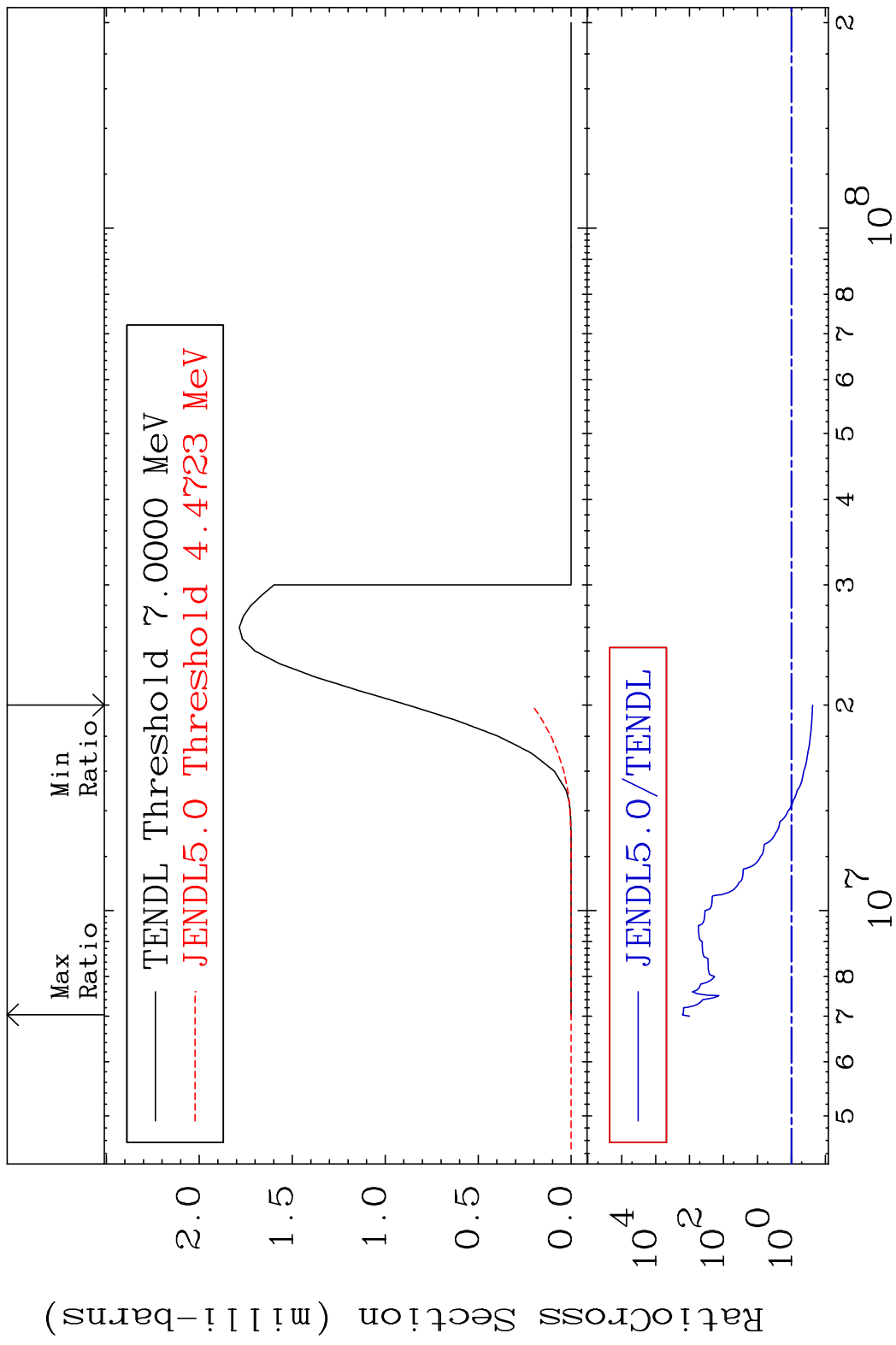
70 Incident Energy (eV) 73-Ta-180m



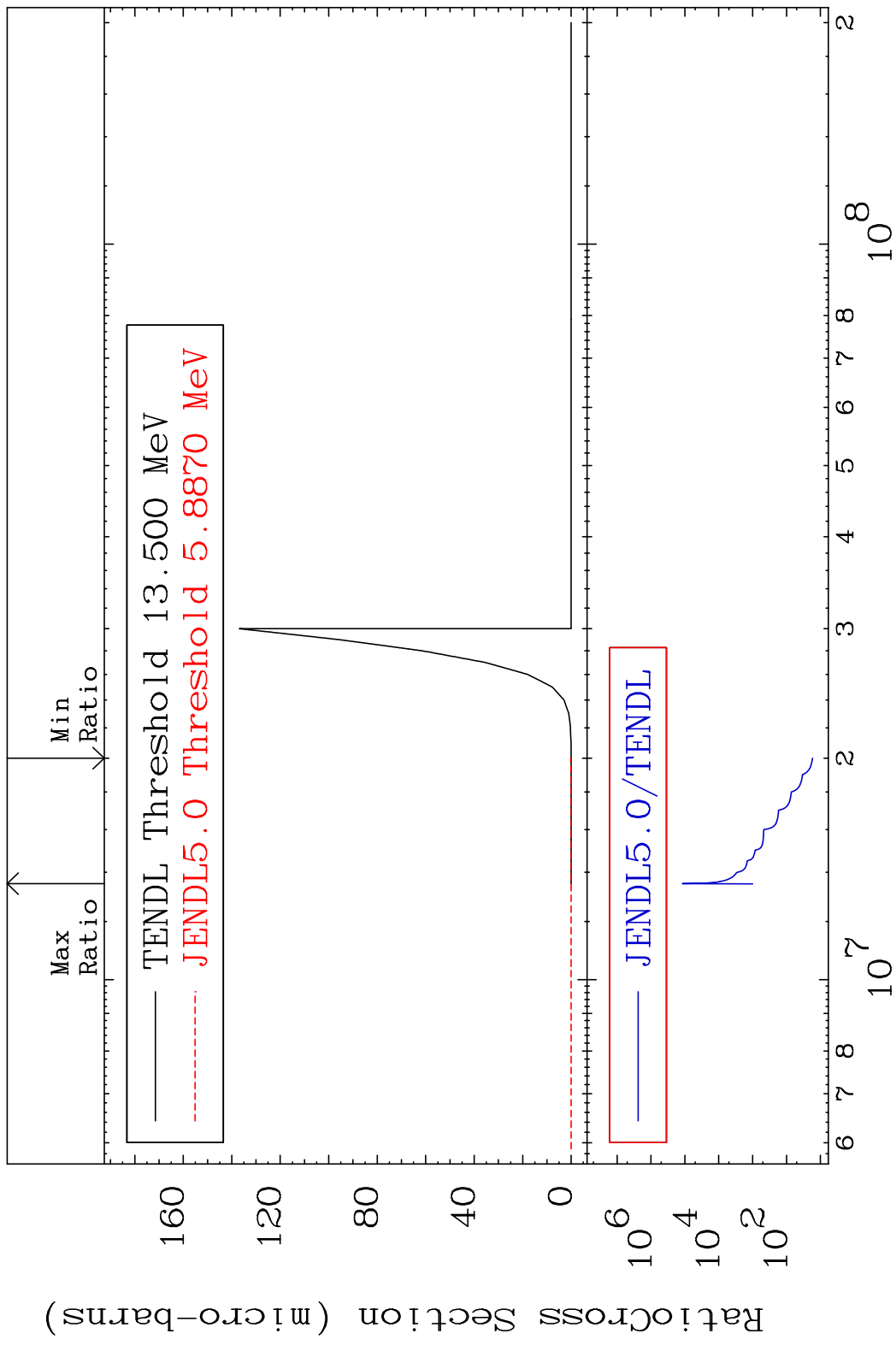
MAT 7326 (n, t):72-Hf-178g 73-Ta-180m  
 Radionuclide Production Cross Section to 9999. %



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

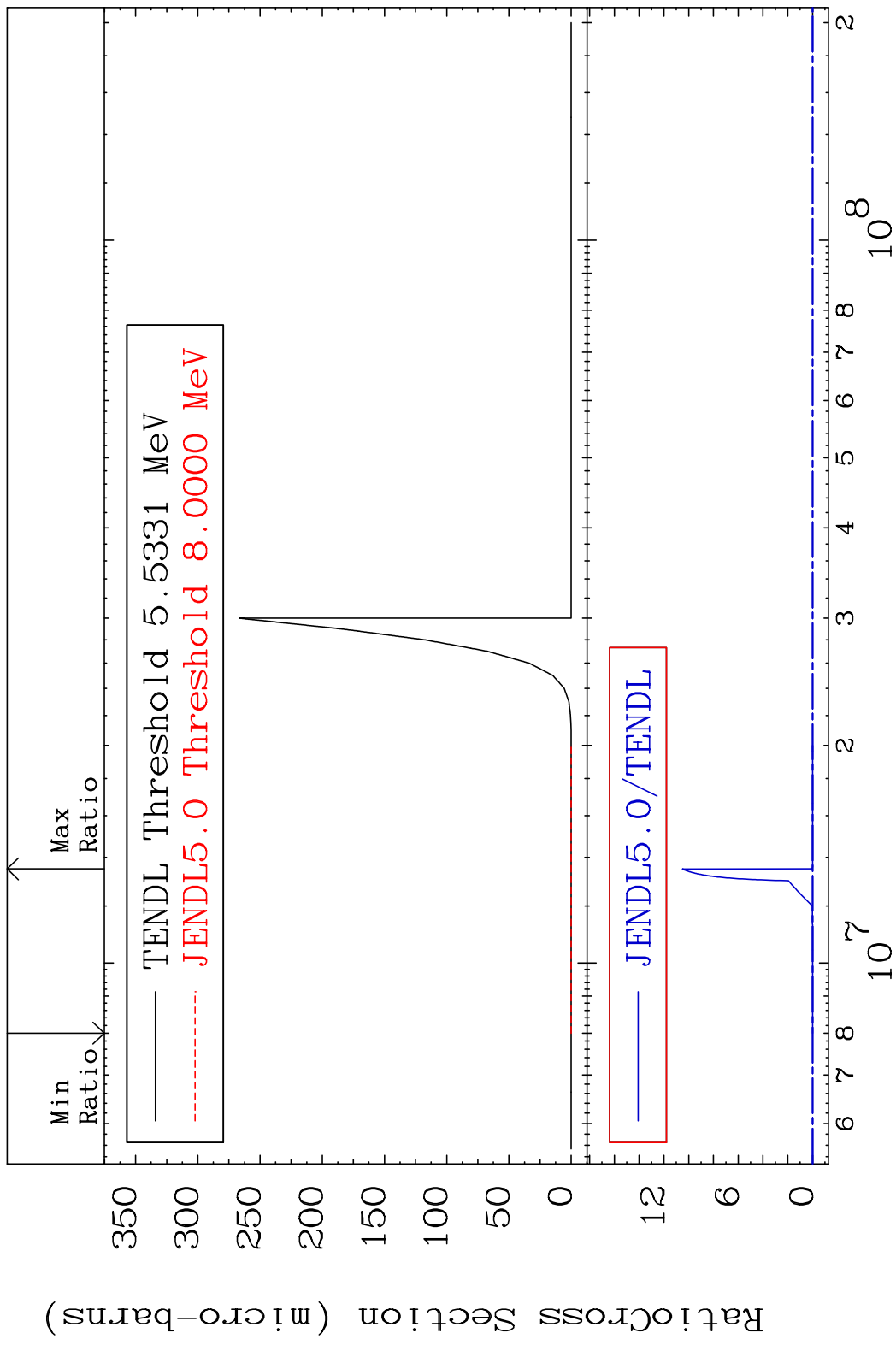


MAT 7326 (n, He-3): 71-Lu-178g 73-Ta-180m  
 Radionuclide Production Cross Section to 9999. %



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

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



75

Incident Energy (eV) 73-Ta-180m