

Program Complot  
(Version 2021-1)

by

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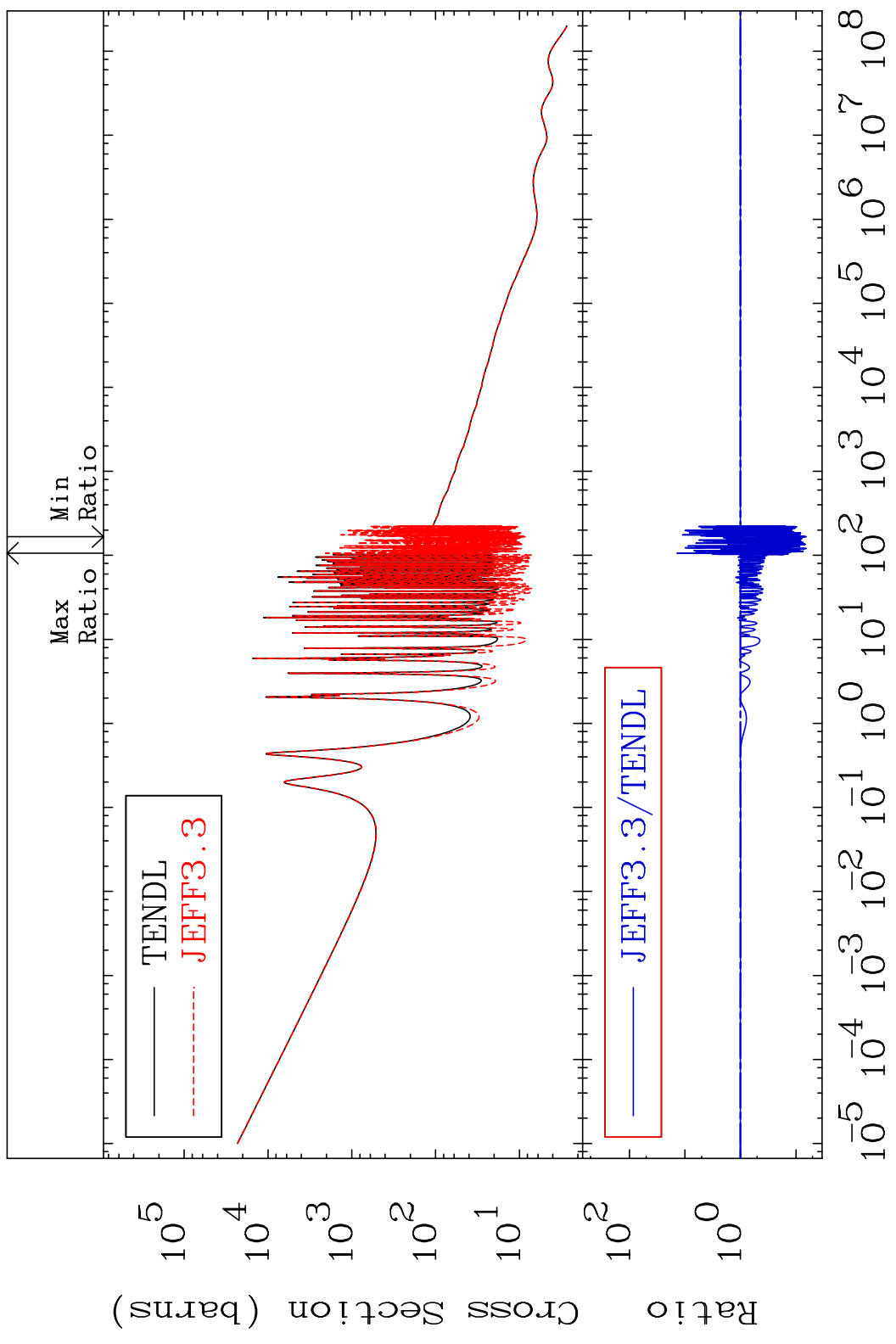
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7326

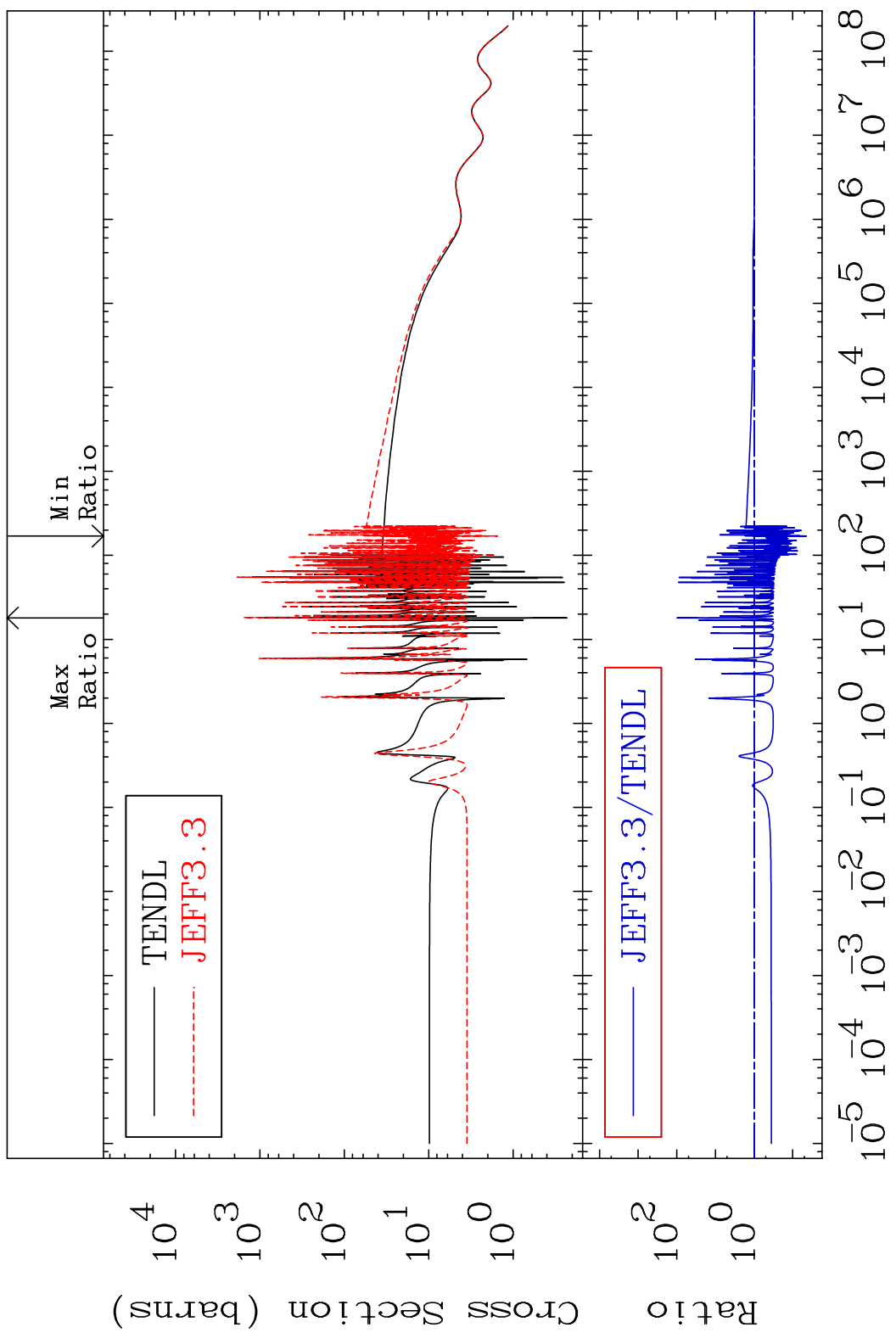
Total 73-Ta-180m  
Cross Section -93.52 To 1279. %



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

MAT 7326

Elastic Cross Section 73-Ta-180m  
-95.57 To 9679. %



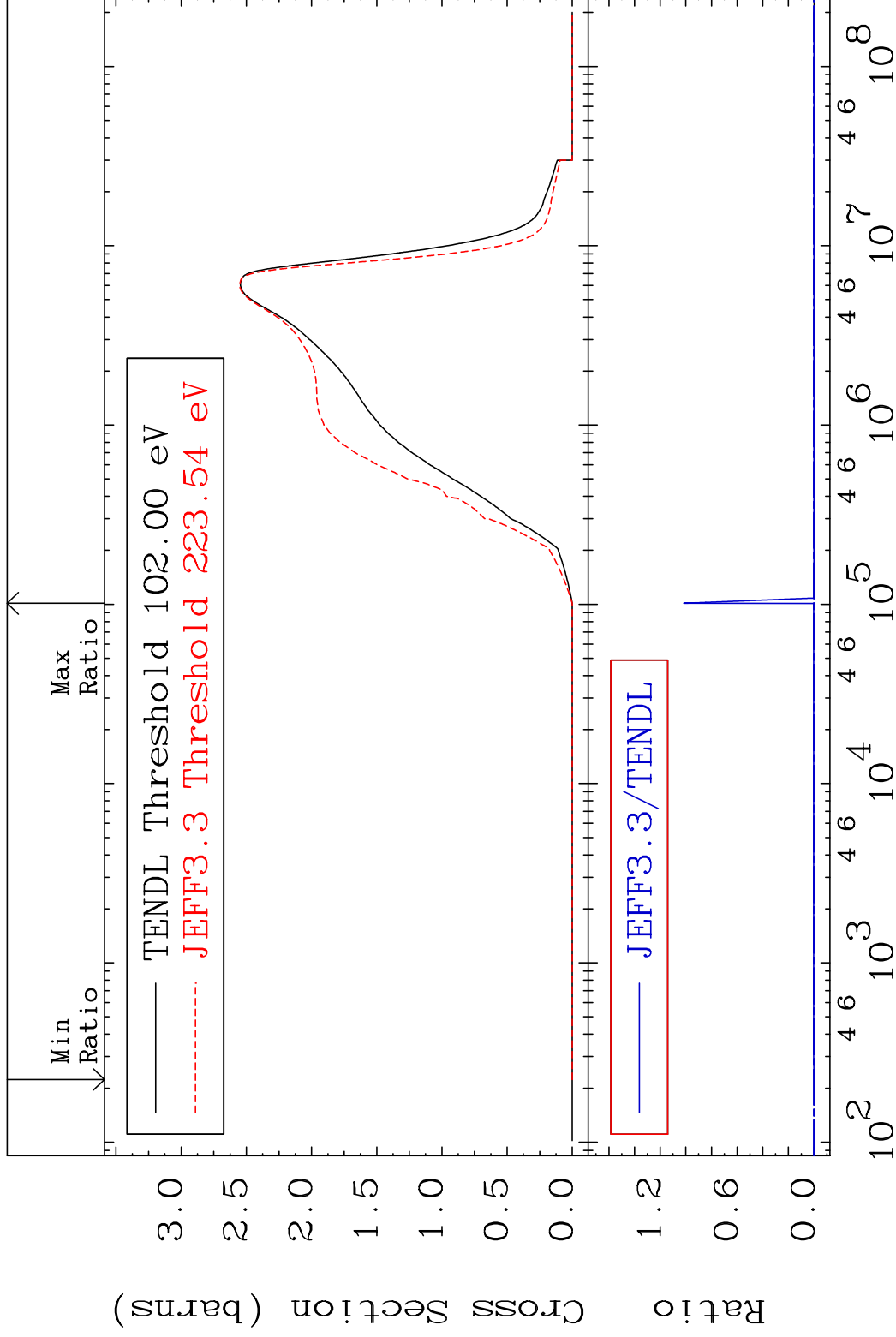
2 Incident Energy (eV) 73-Ta-180m

MAT 7326

Inelastic

<sup>73</sup>Ta-180m

Cross Section -100.0 To 9999. %

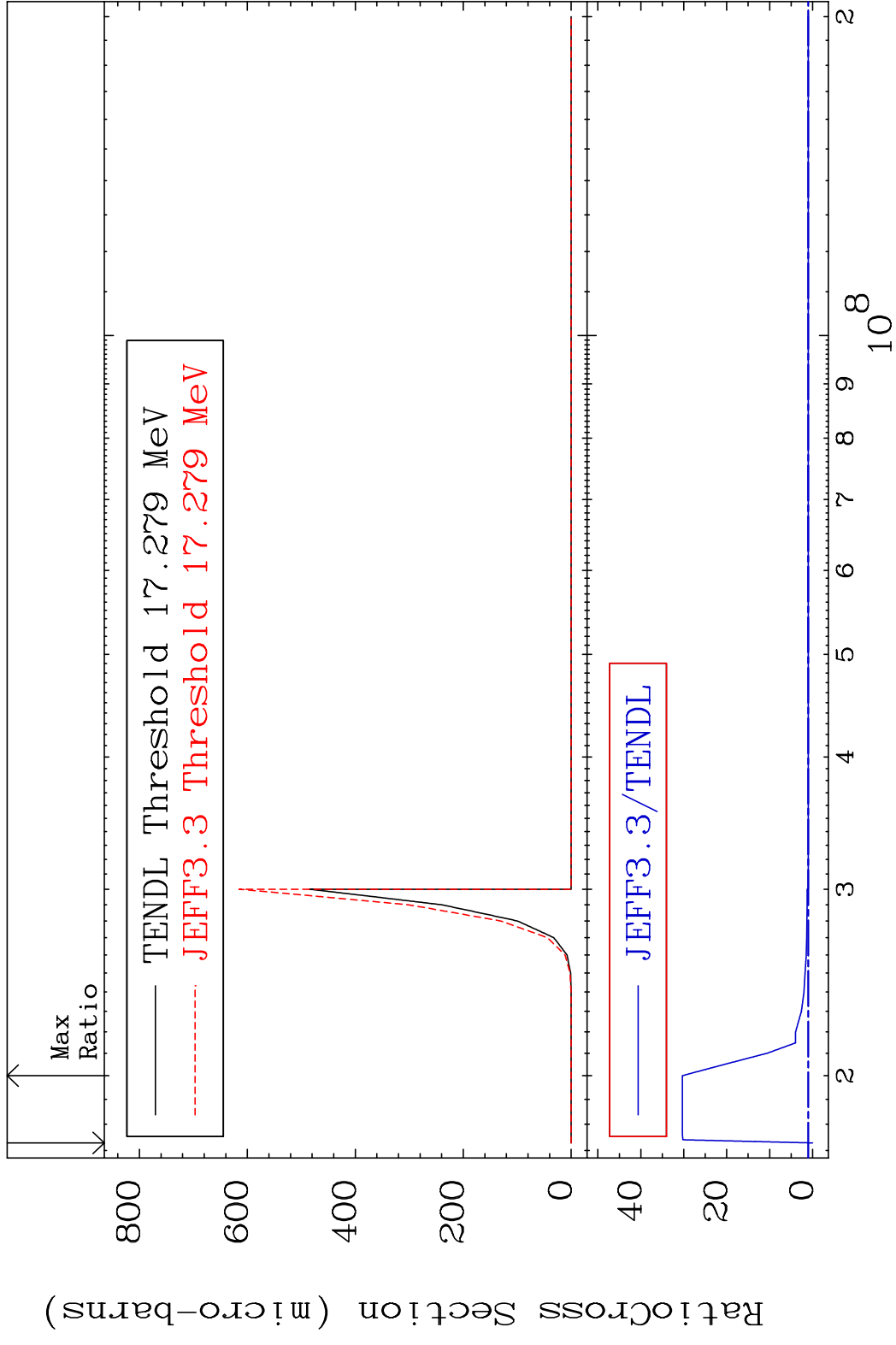


3

Incident Energy (eV)

<sup>73</sup>Ta-180m

MAT 7326 (n,2n) d 73-Ta-180m  
 Cross Section -100.0 To 2932. %



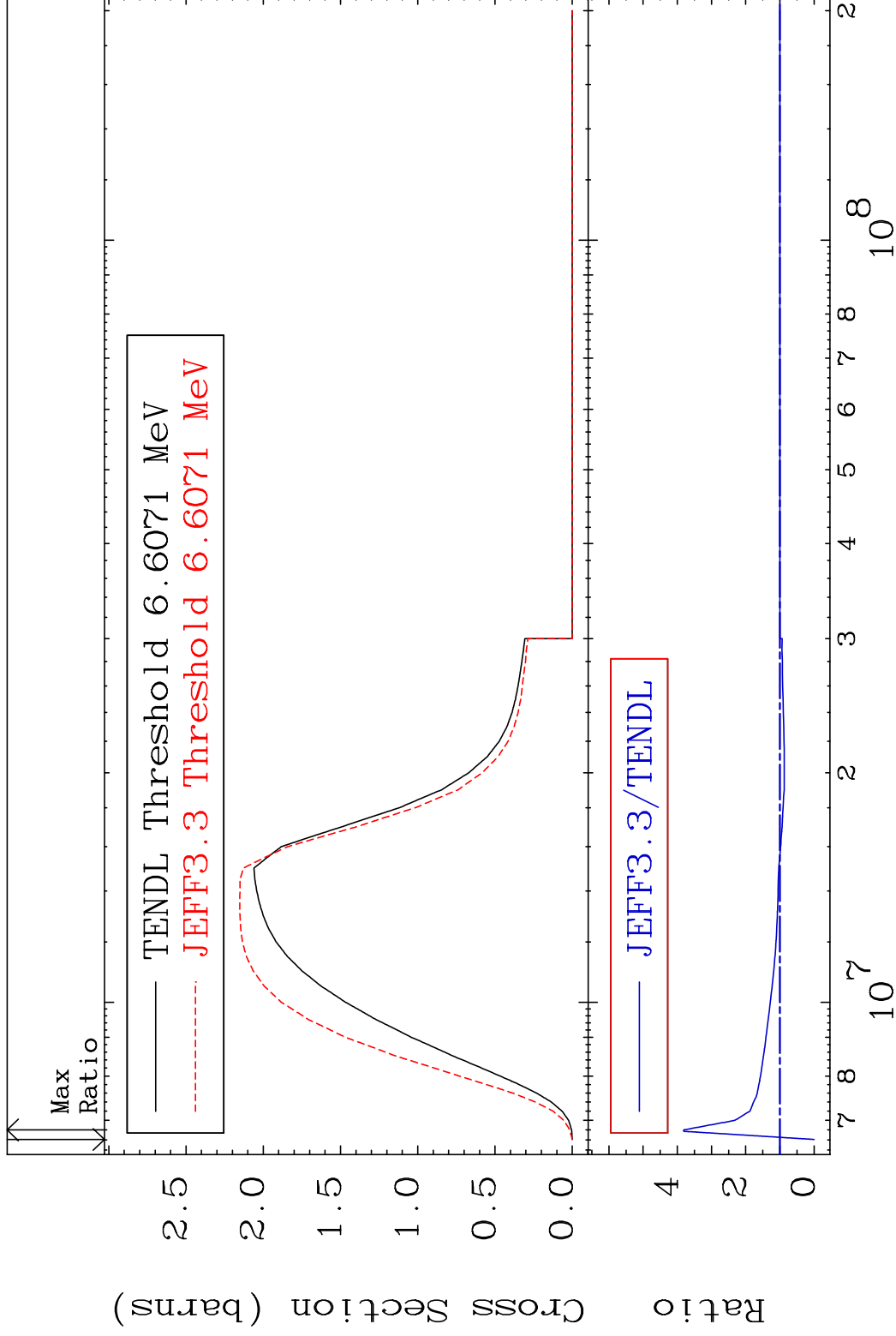
4 Incident Energy (eV) 73-Ta-180m

MAT 7326

(n,2n)

73-Ta-180m

Cross Section -100.0 To 281.4 %



5

Incident Energy (eV)

73-Ta-180m

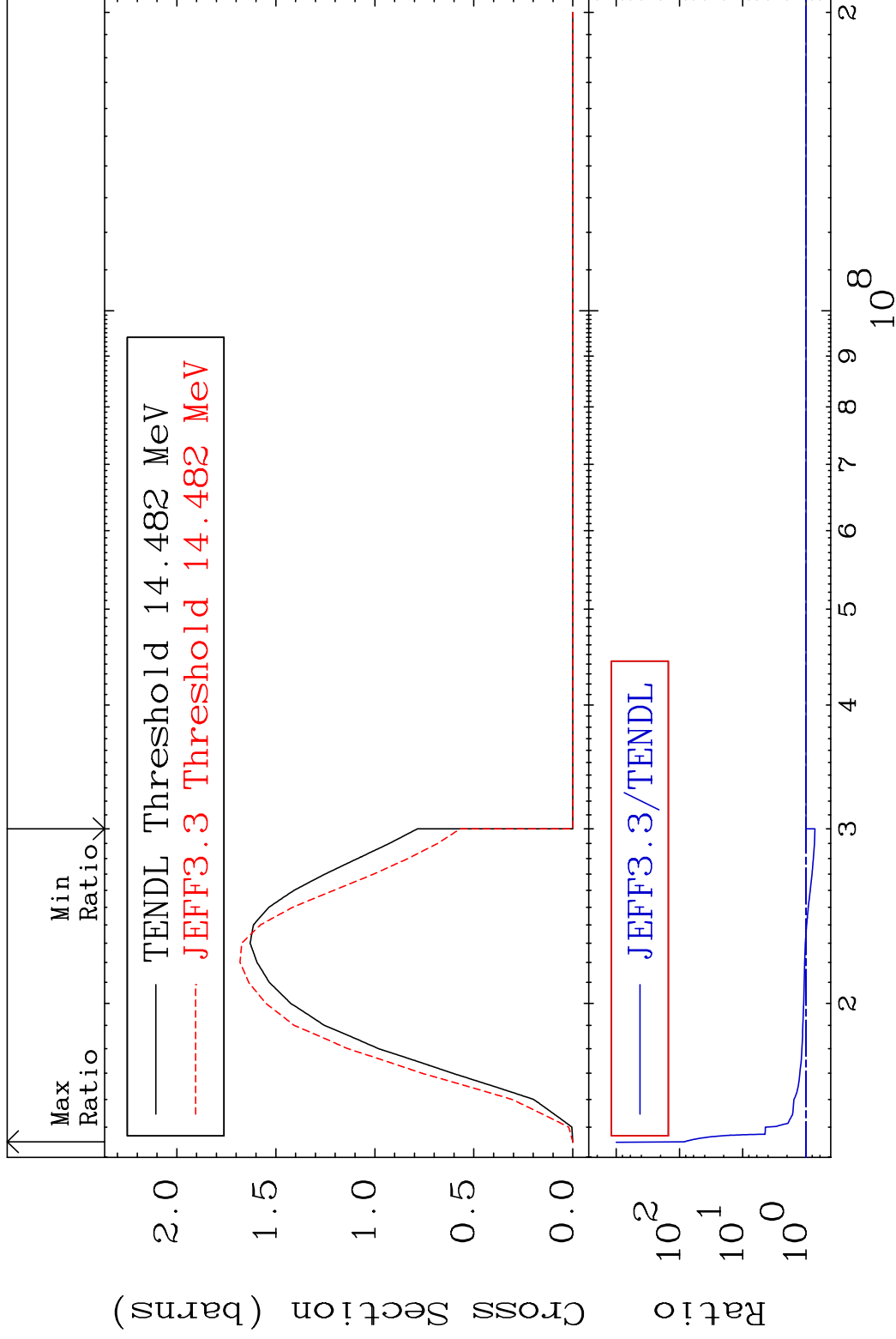
MAT 7326

(n,3n)

73-Ta-180m

Cross Section

-27.58 To 8304. %



6

Incident Energy (eV)

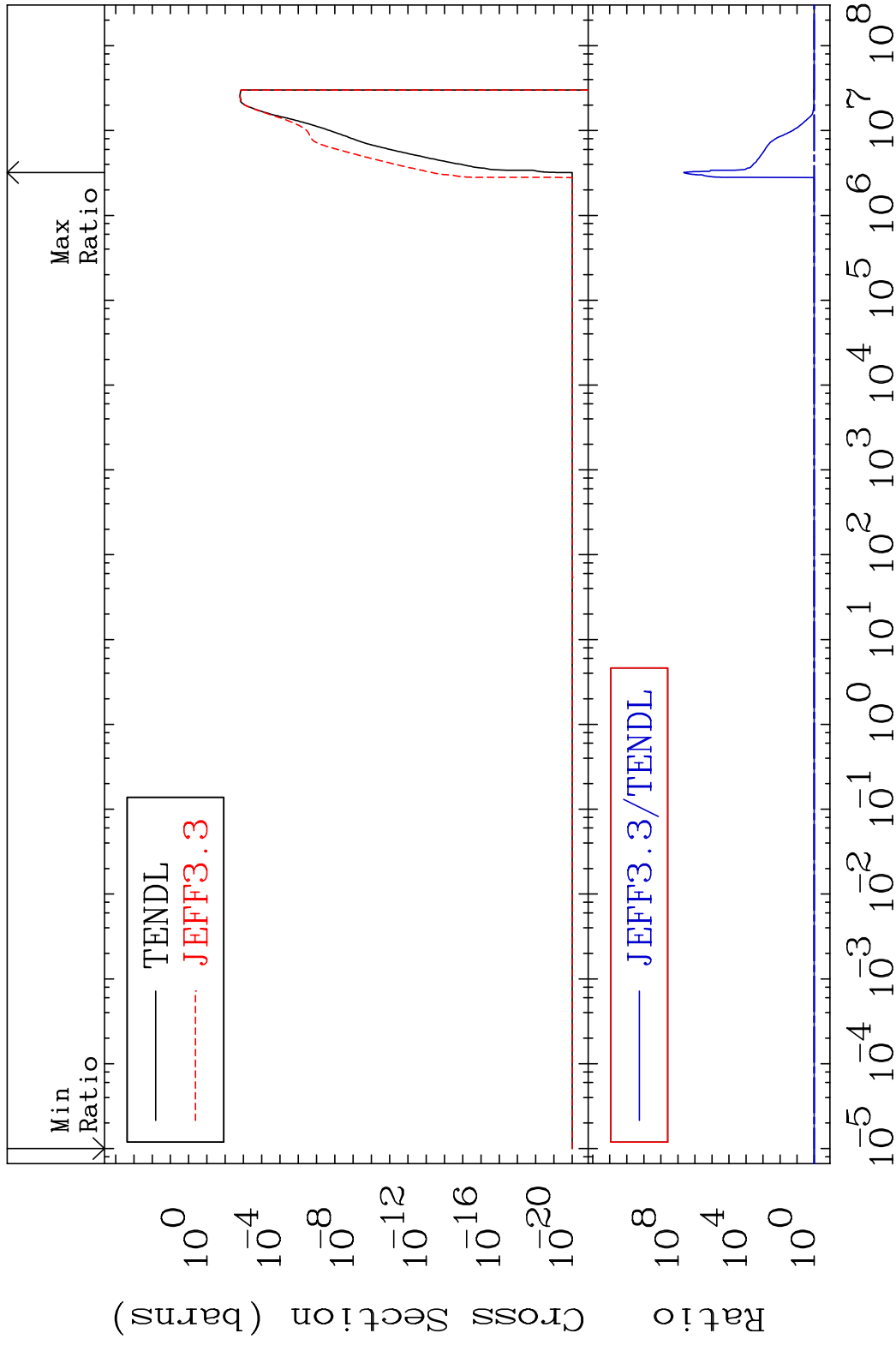
73-Ta-180m

MAT 7326

(n, n')  $\alpha$

73-Ta-180m

Cross Section 0.000 To 9999. %



7

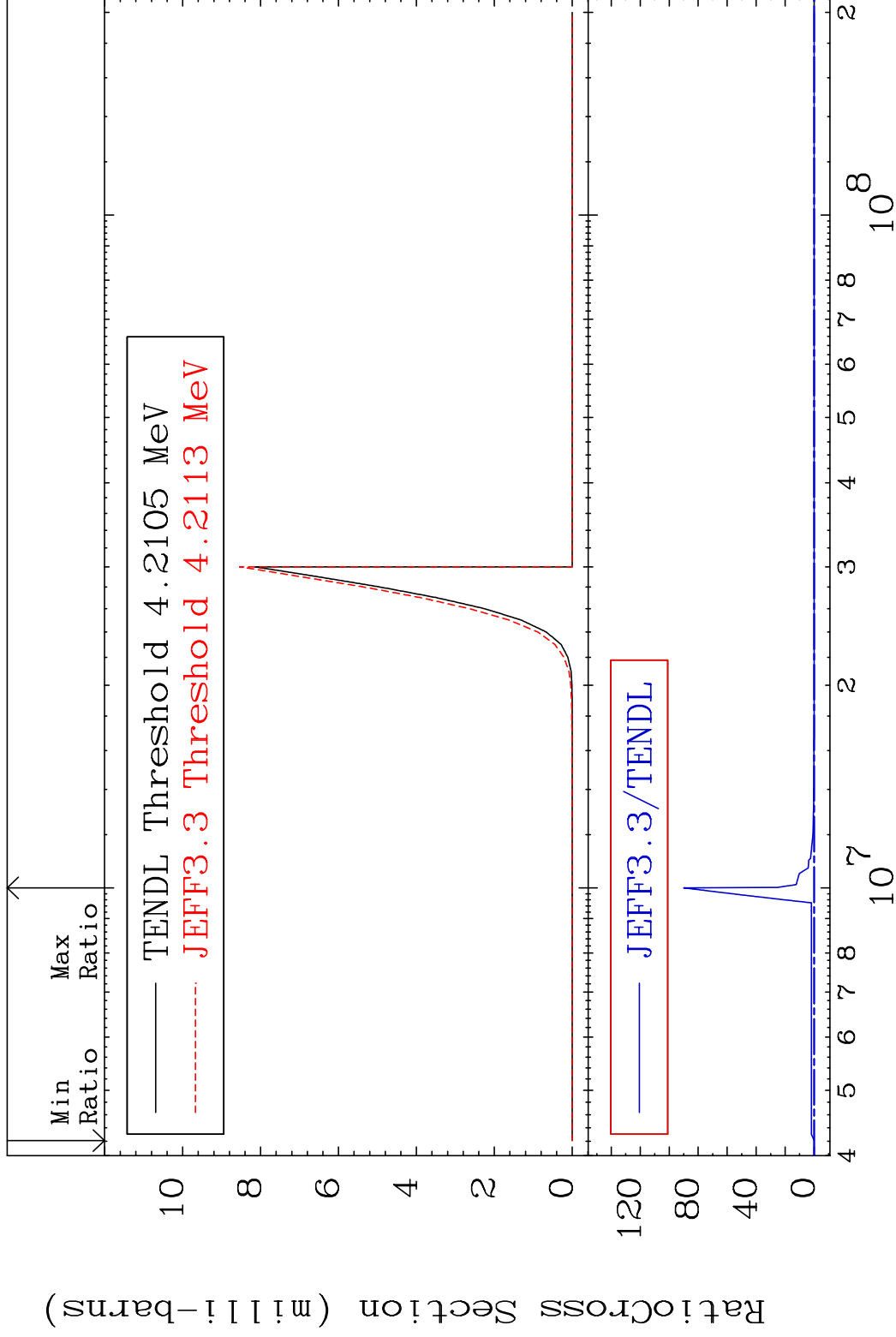
Incident Energy (eV)

73-Ta-180m



MAT 7326

(n,2n)  $\alpha$  73-Ta-180m  
Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

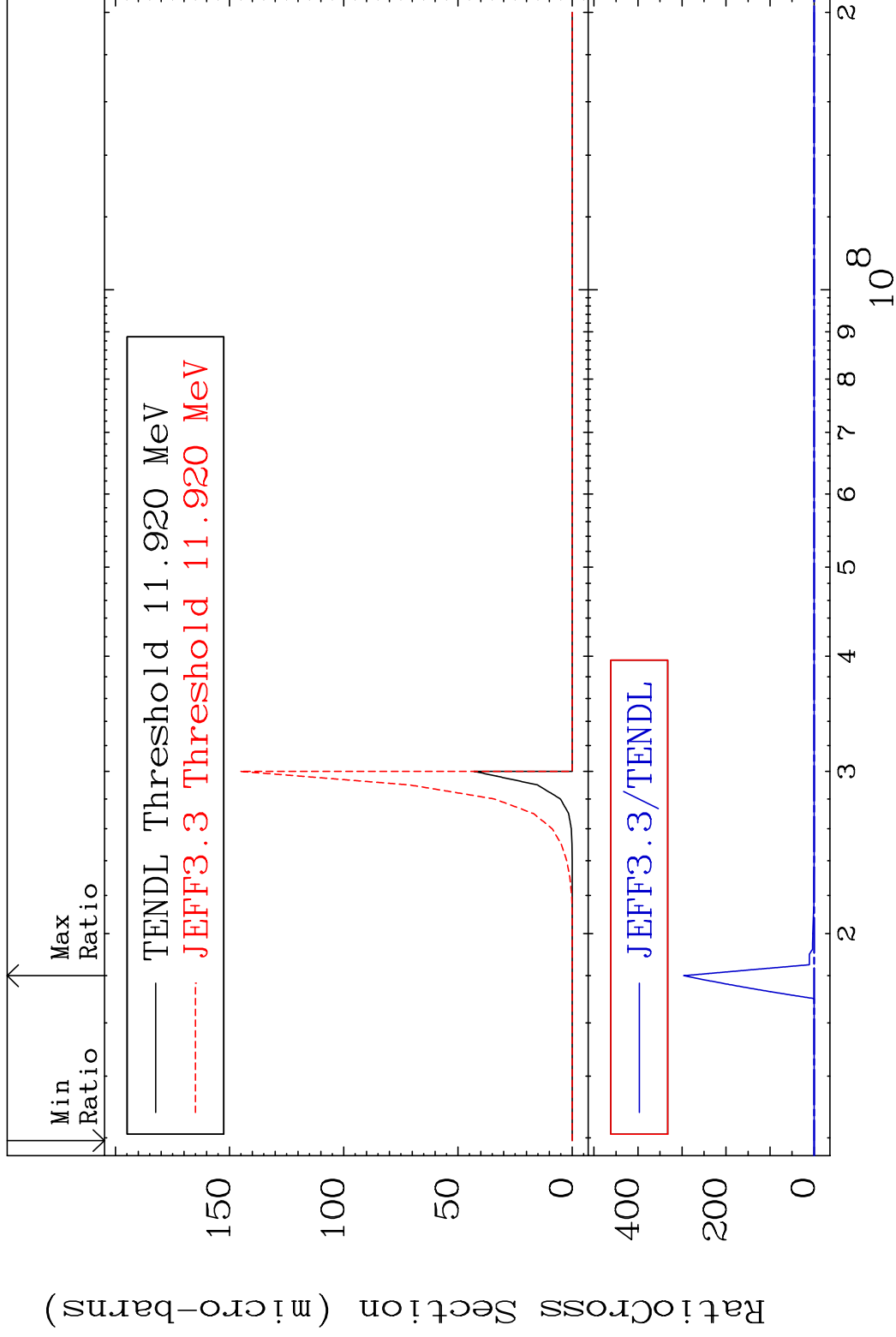
73-Ta-180m

MAT 7326

(n,3n)  $\alpha$

73-Ta-180m

Cross Section -100.0 To 9999. %



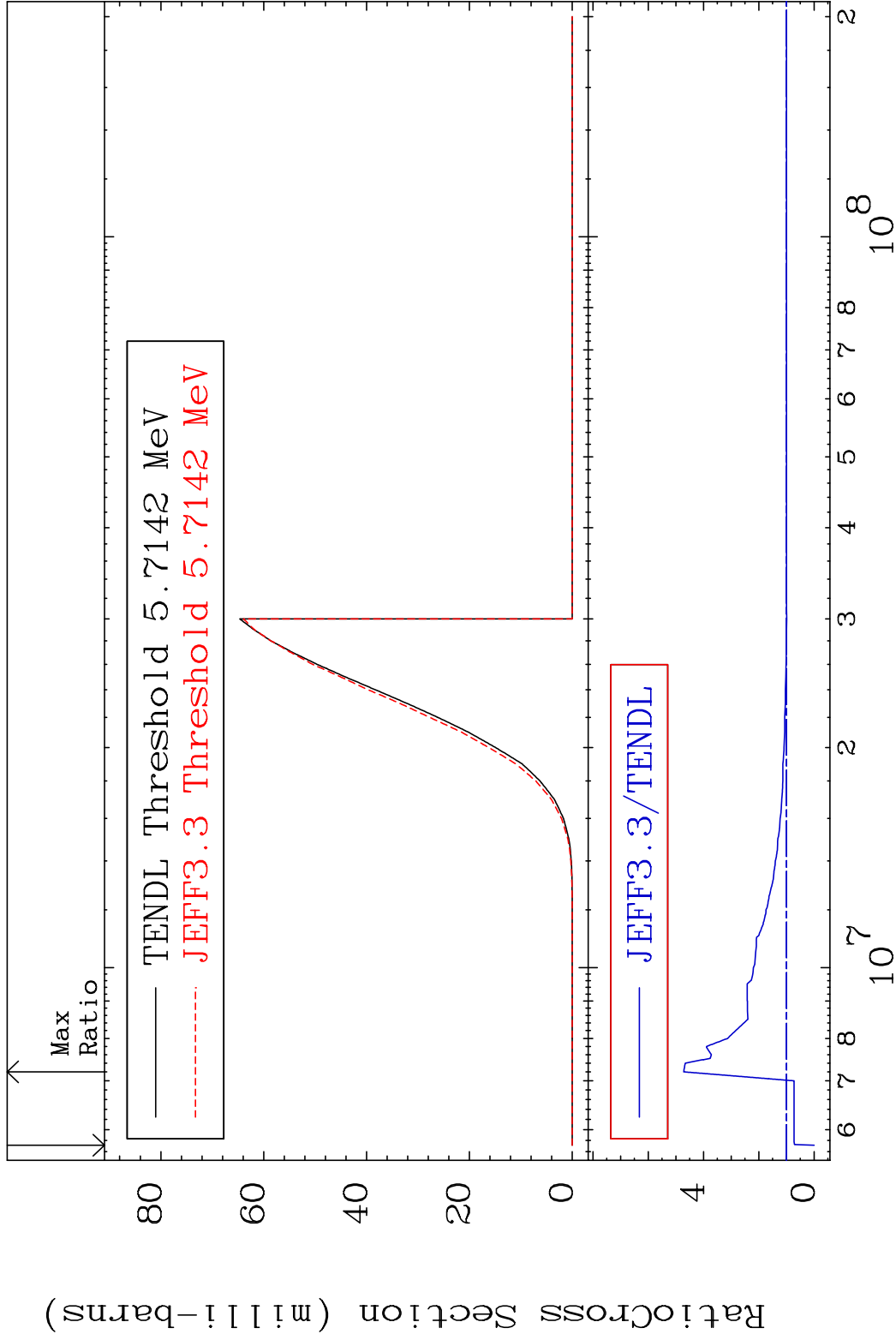
9

Incident Energy (eV)

73-Ta-180m

MAT 7326

(n, n') p      <sup>73</sup>Ta-180m  
Cross Section    -100.0 To 371.9 %



10

Incident Energy (eV)

<sup>73</sup>Ta-180m

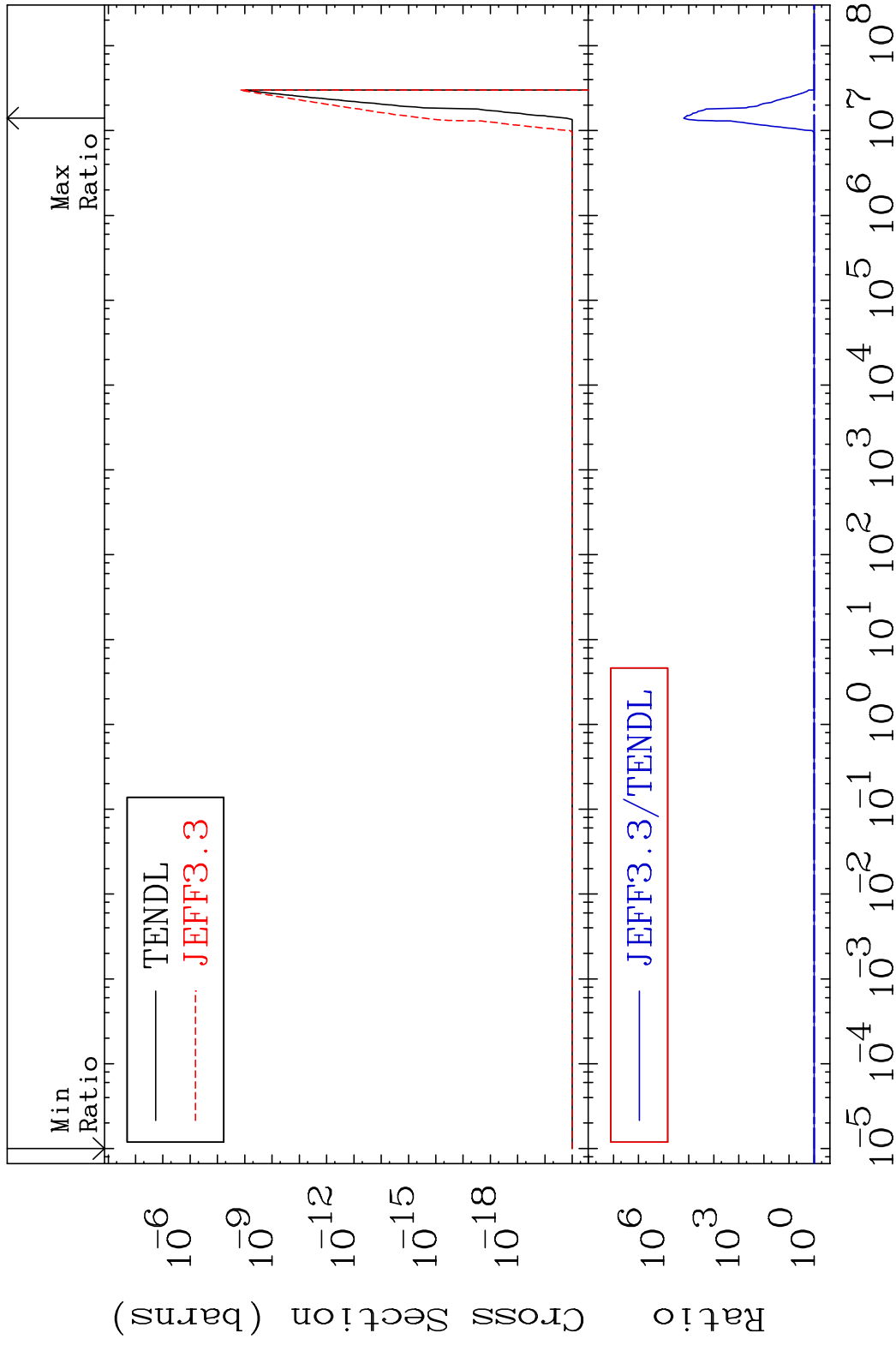
MAT 7326

(n, n') 2α

73-Ta-180m

Cross Section 0.000

To 9999. %



11

Incident Energy (eV)

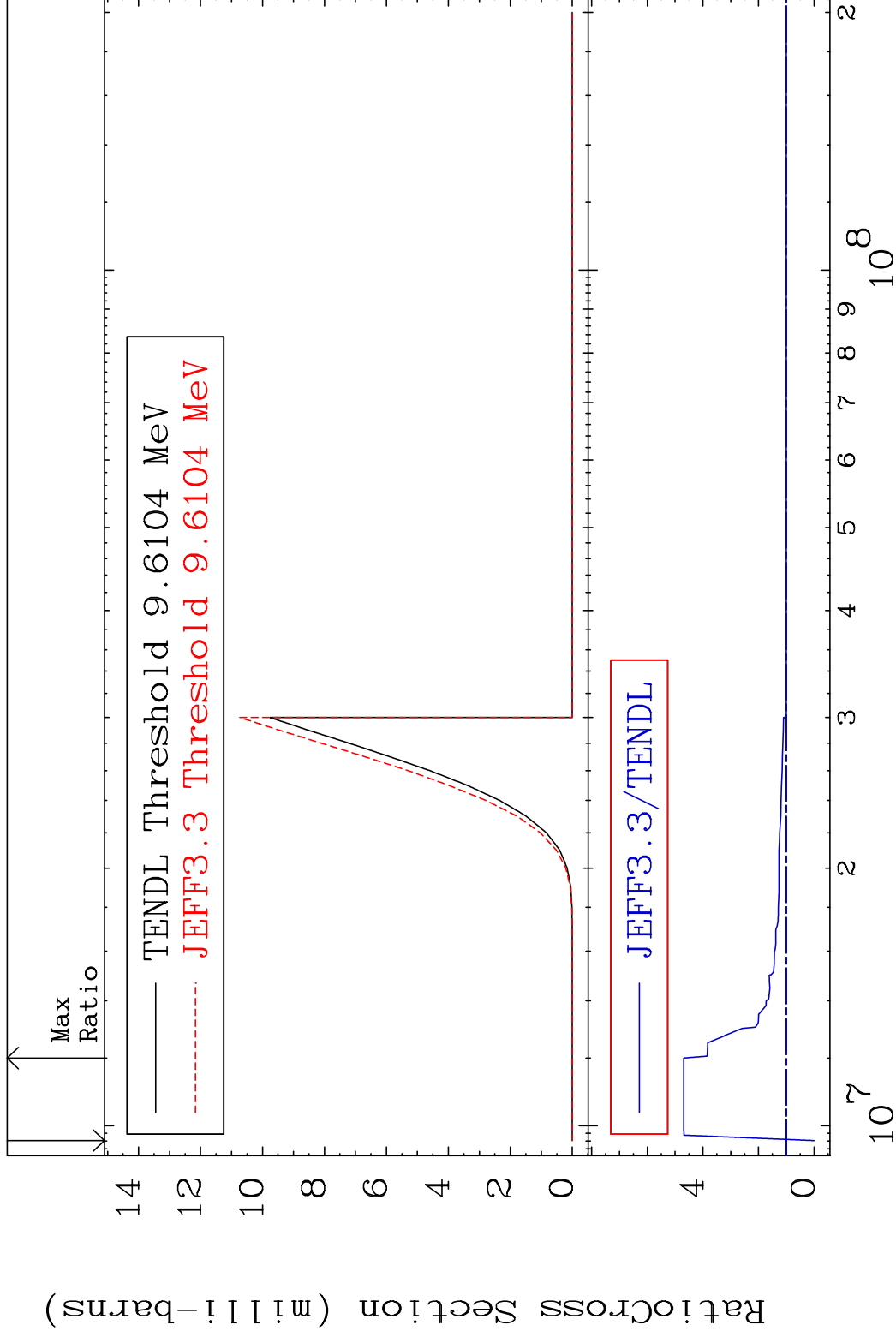
73-Ta-180m

MAT 7326

(n, n') d

73-Ta-180m

Cross Section -100.0 To 369.2 %

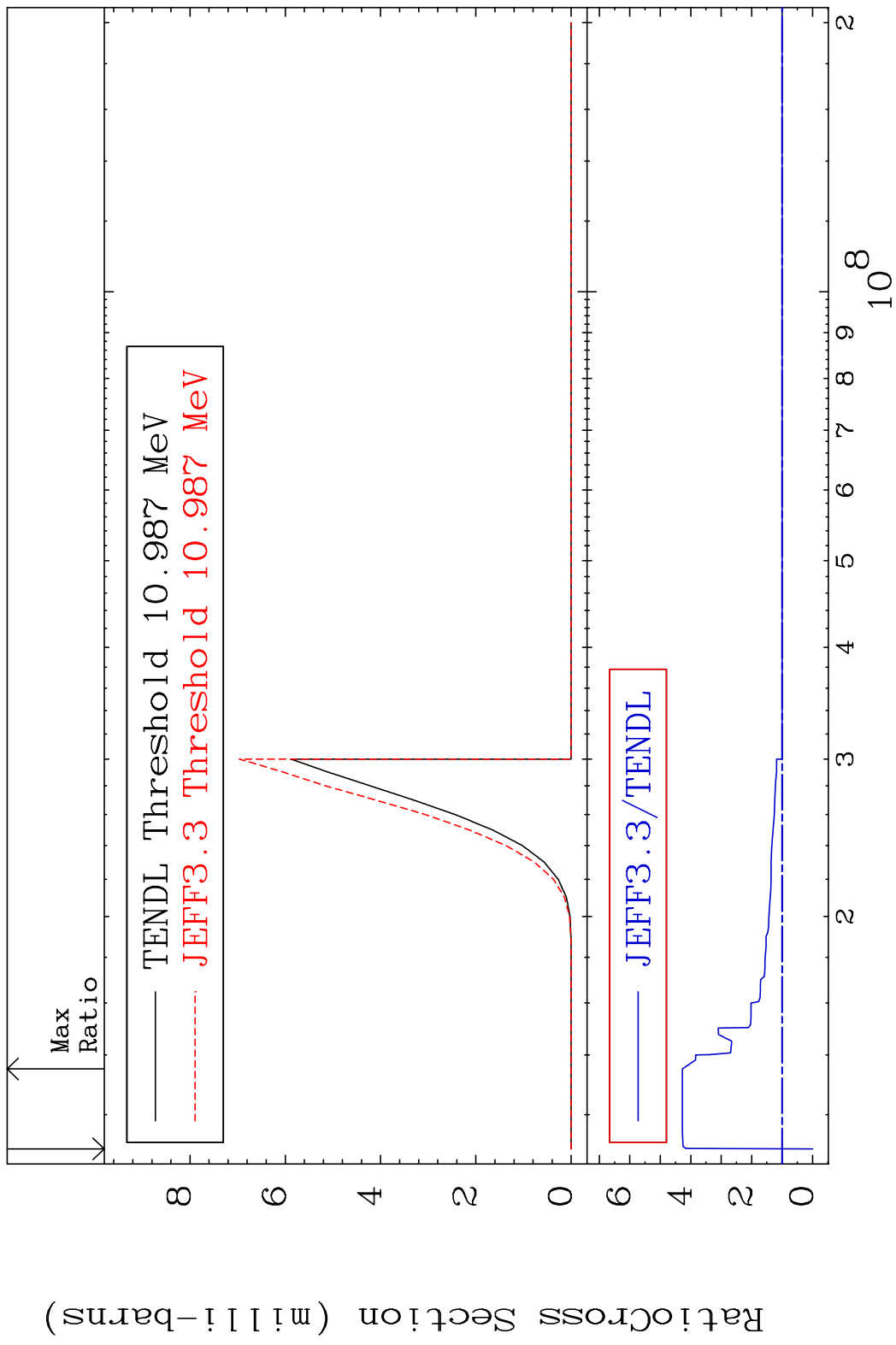


12

Incident Energy (eV)

73-Ta-180m

MAT 7326 (n, n') t 73-Ta-180m  
 Cross Section -100.0 To 327.5 %

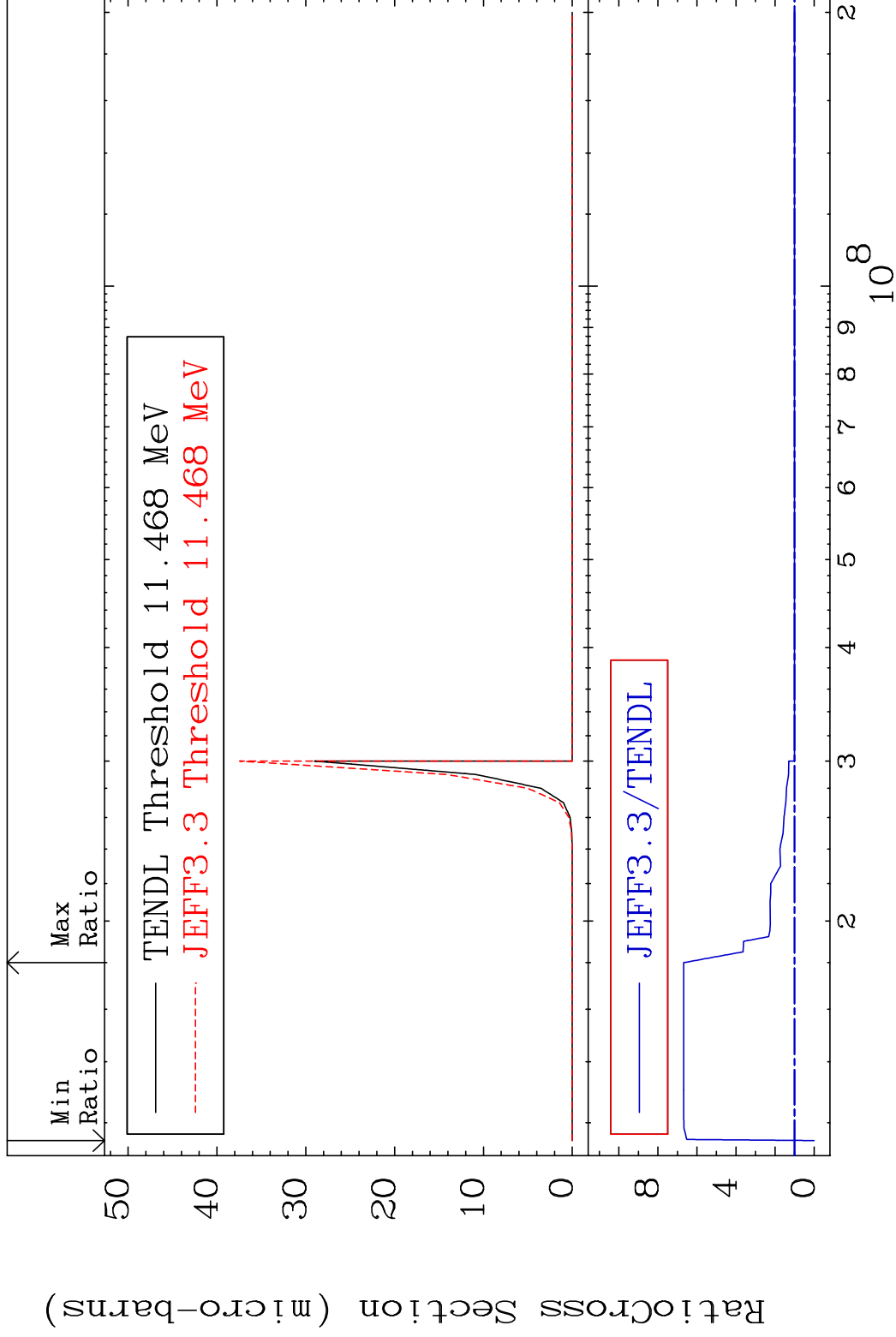


MAT 7326

(n,n') He-3

73-Ta-180m

Cross Section -100.0 To 568.1 %

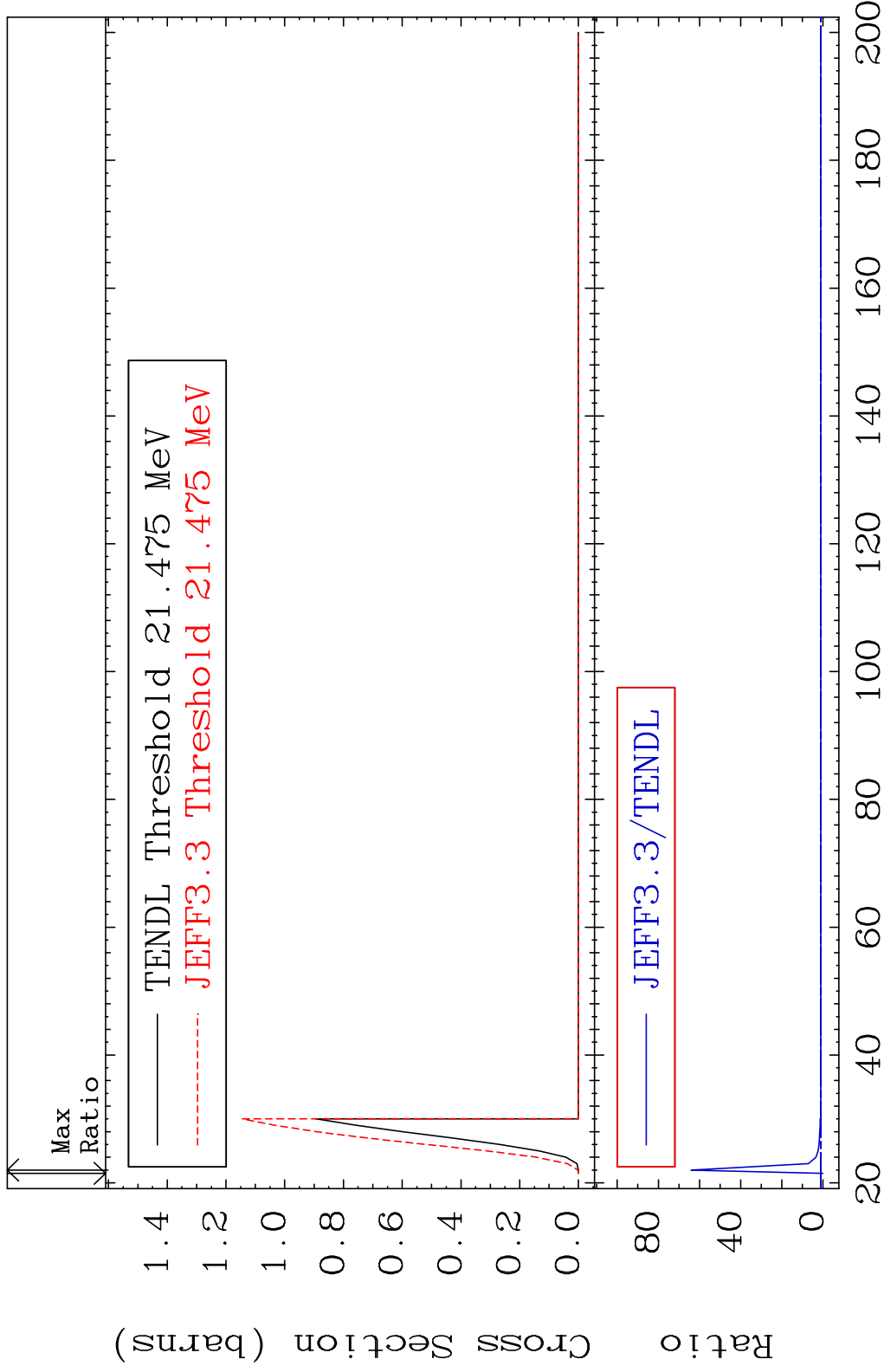


MAT 7326

(n,4n)

73-Ta-180m

Cross Section -100.0 To 6313. %



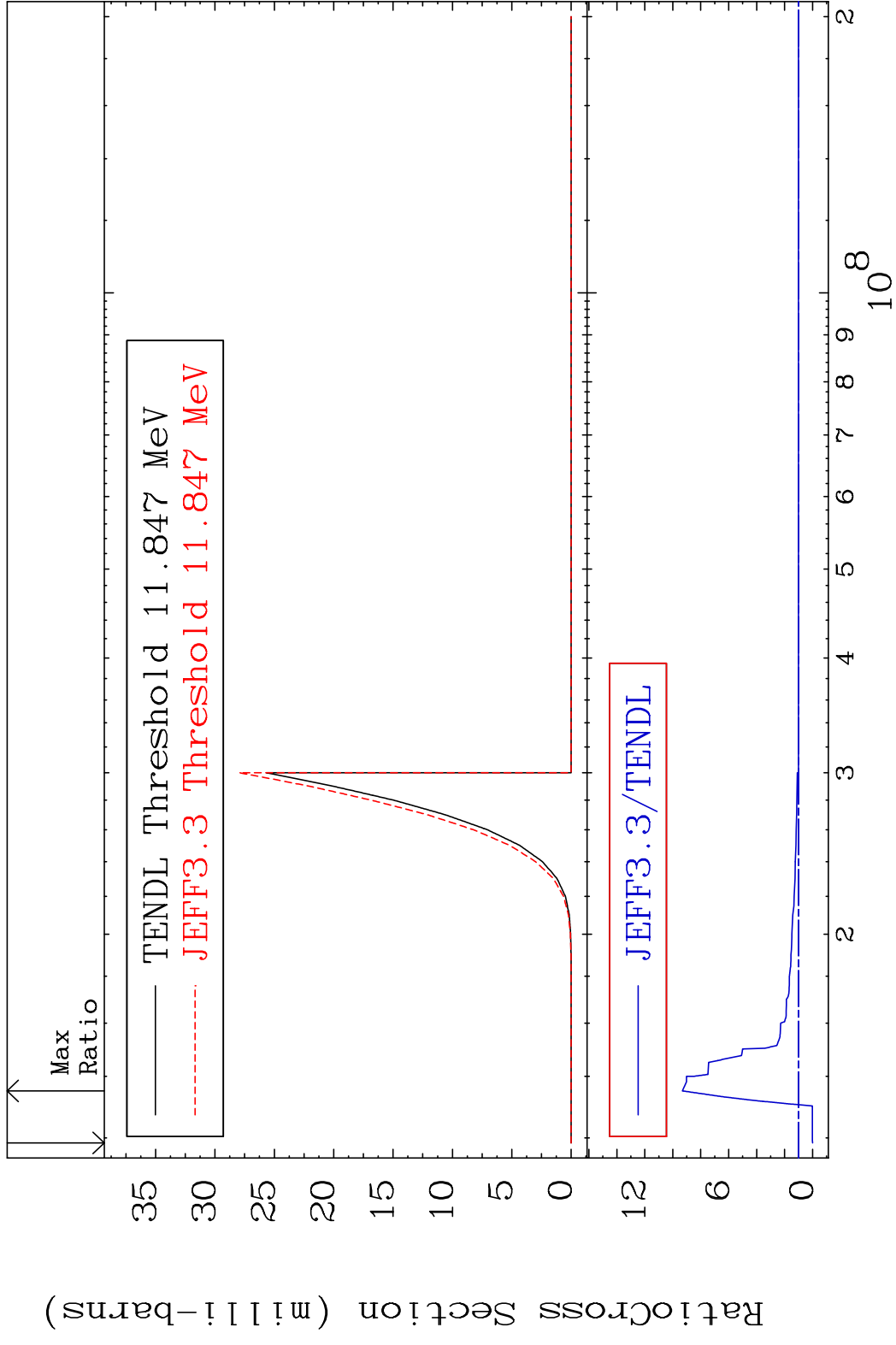
15

Incident Energy (MeV)

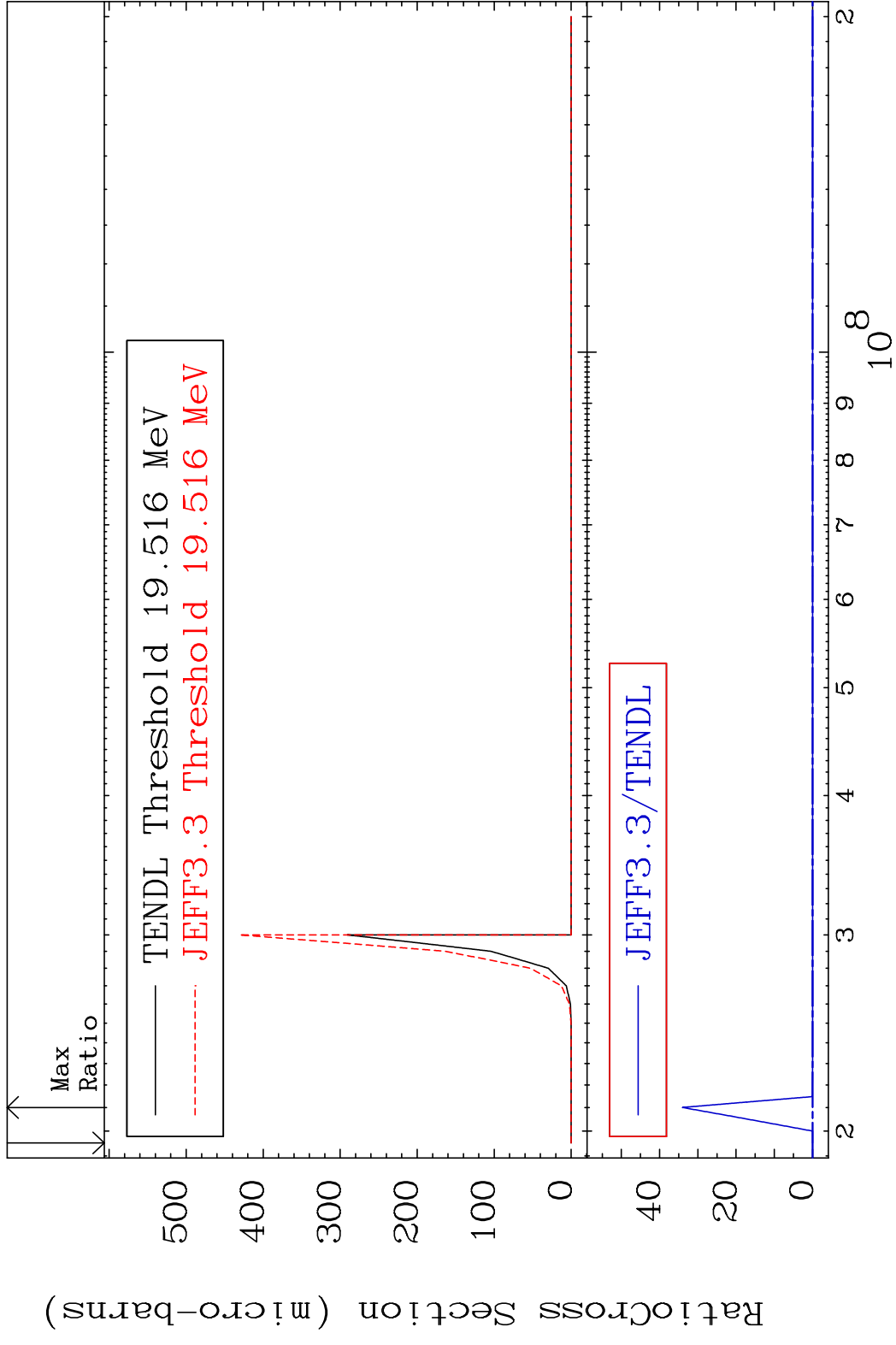
73-Ta-180m



MAT 7326 (n,2n) p 73-Ta-180m  
 Cross Section -100.0 To 831.6 %



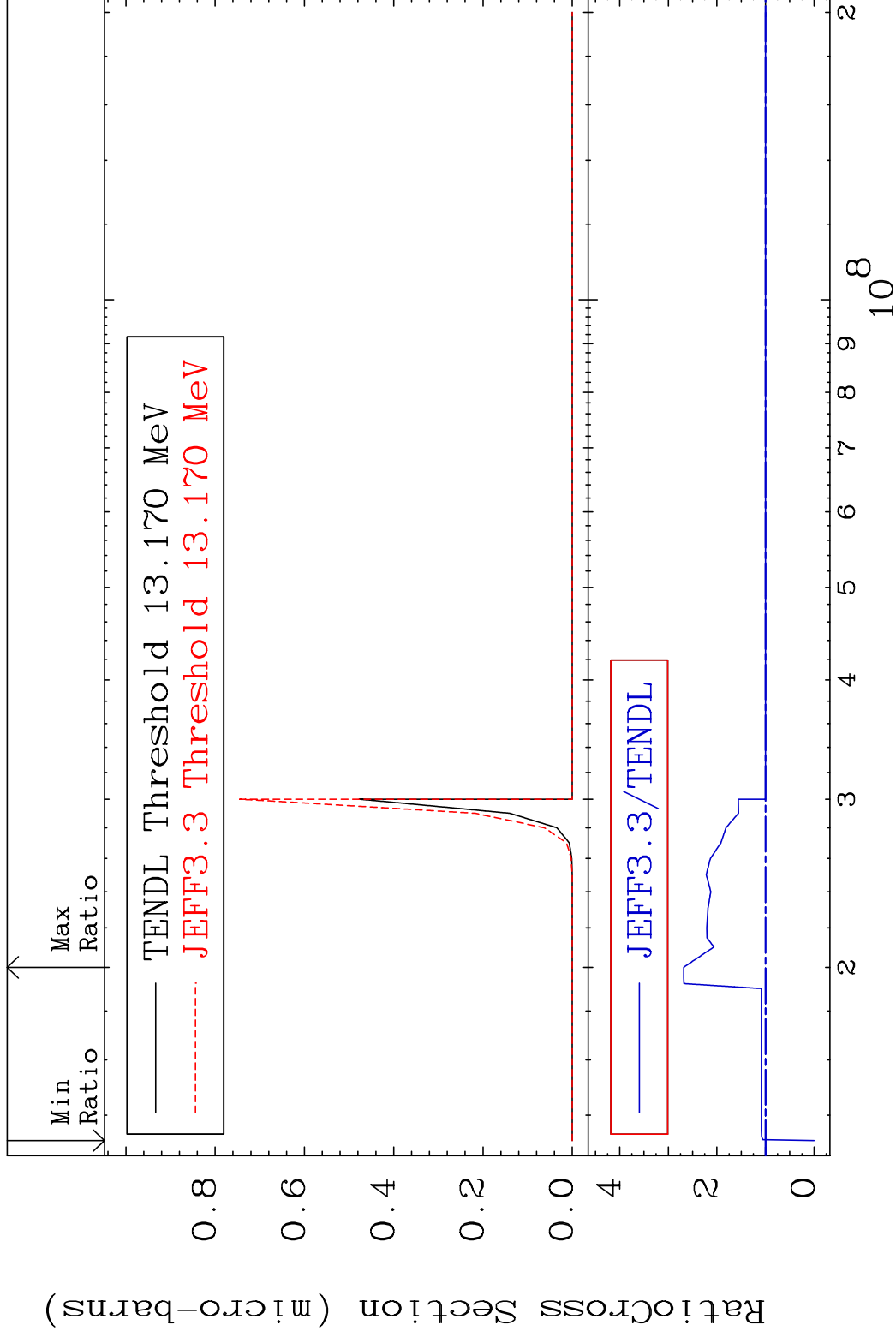
MAT 7326 (n,3n) p 73-Ta-180m  
 Cross Section -100.0 To 9999. %



17 73-Ta-180m

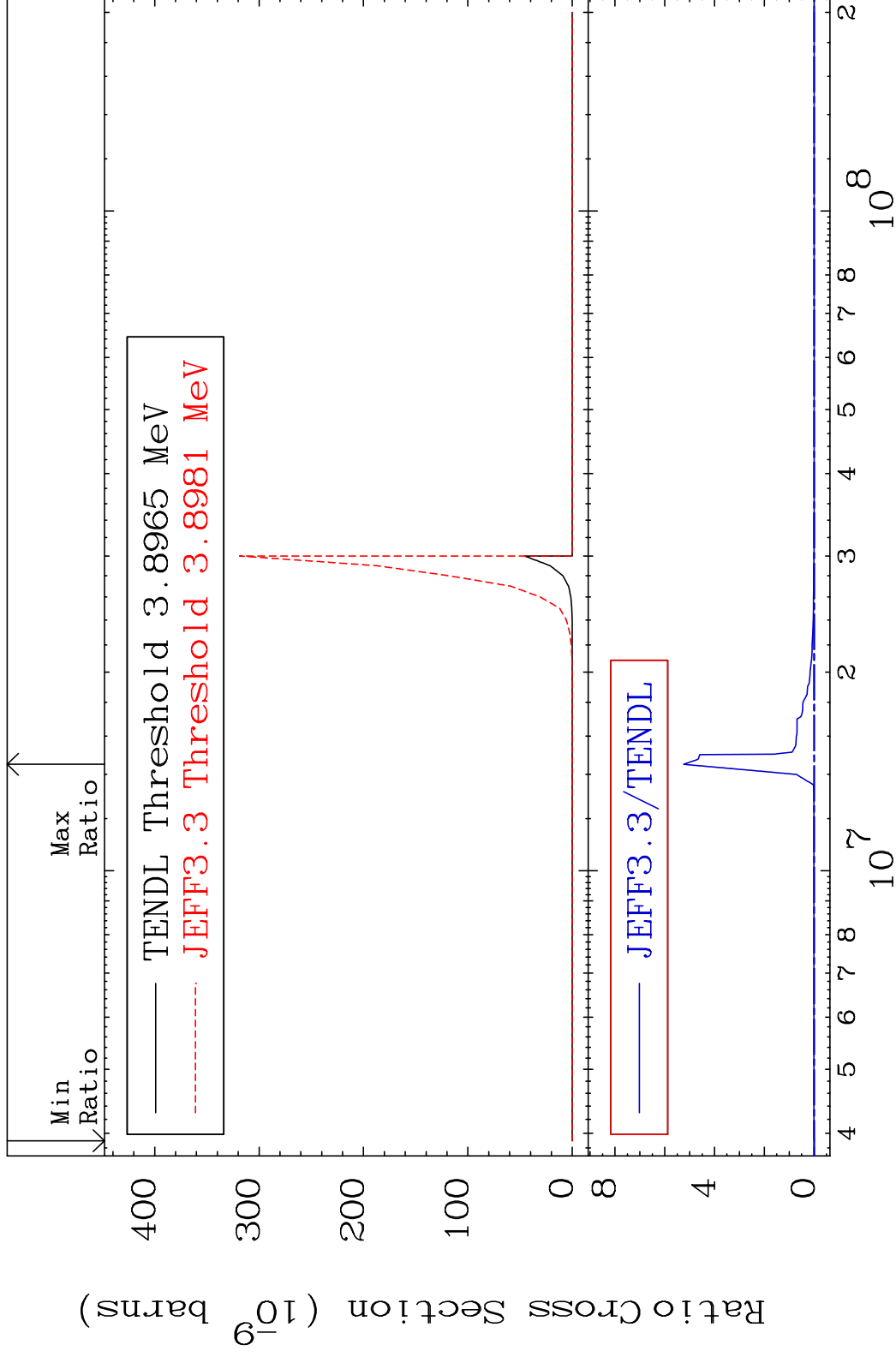
MAT 7326

(n,2n) p 73-Ta-180m  
Cross Section -100.0 To 168.4 %

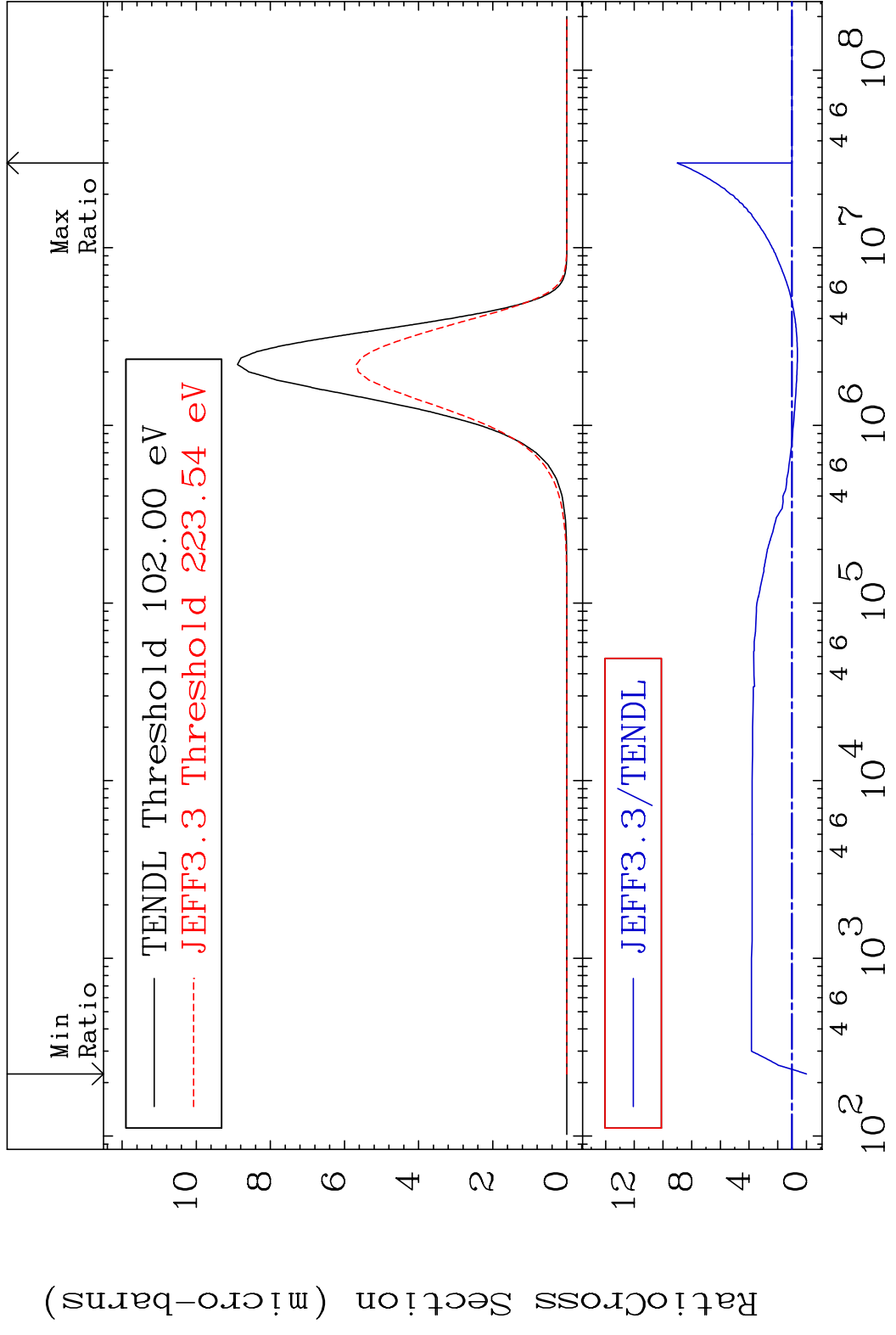


MAT 7326

(n,n') p  $\alpha$  73-Ta-180m  
Cross Section -100.0 To 9999. %

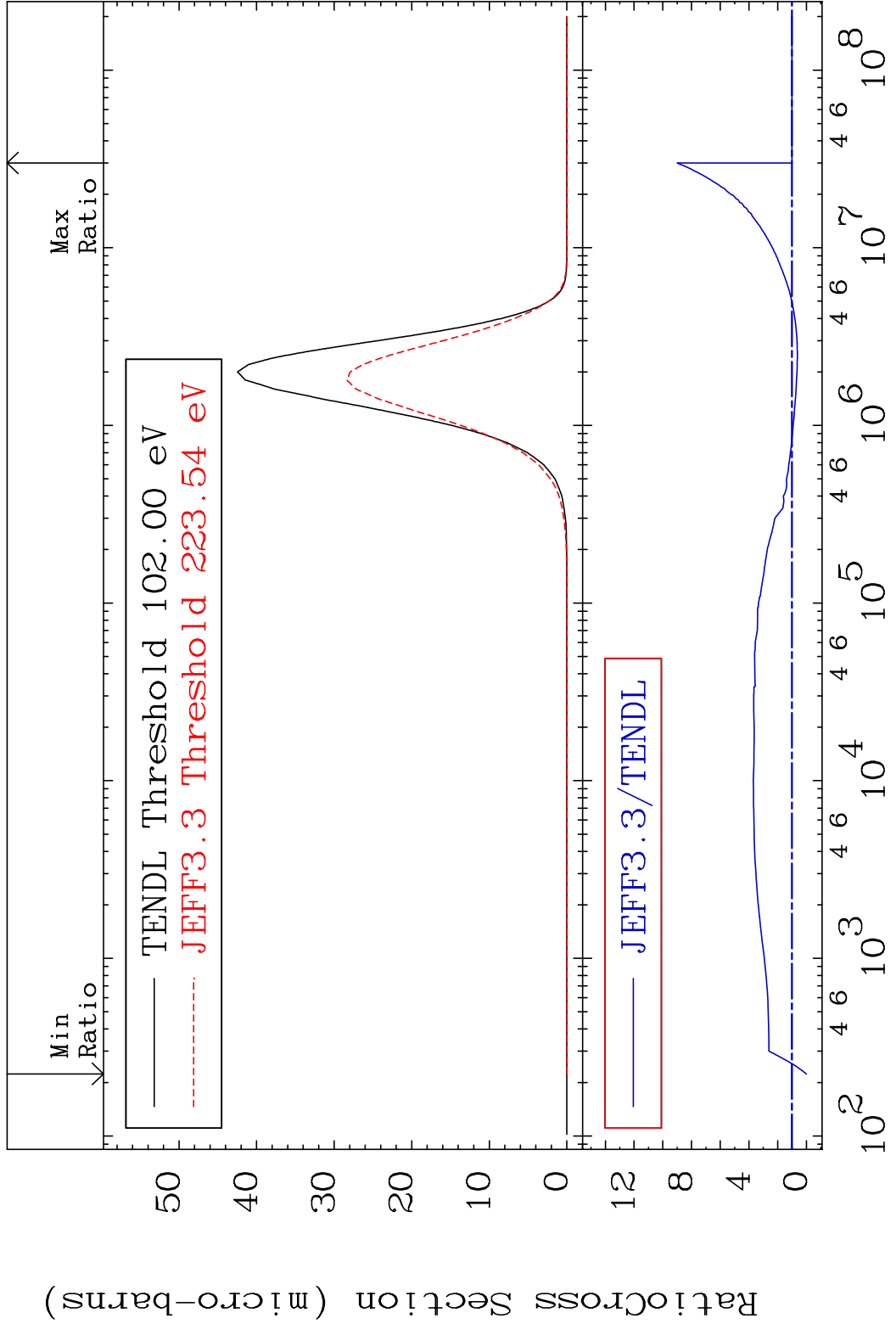


MAT 7326 MT= 51 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 801.0 %

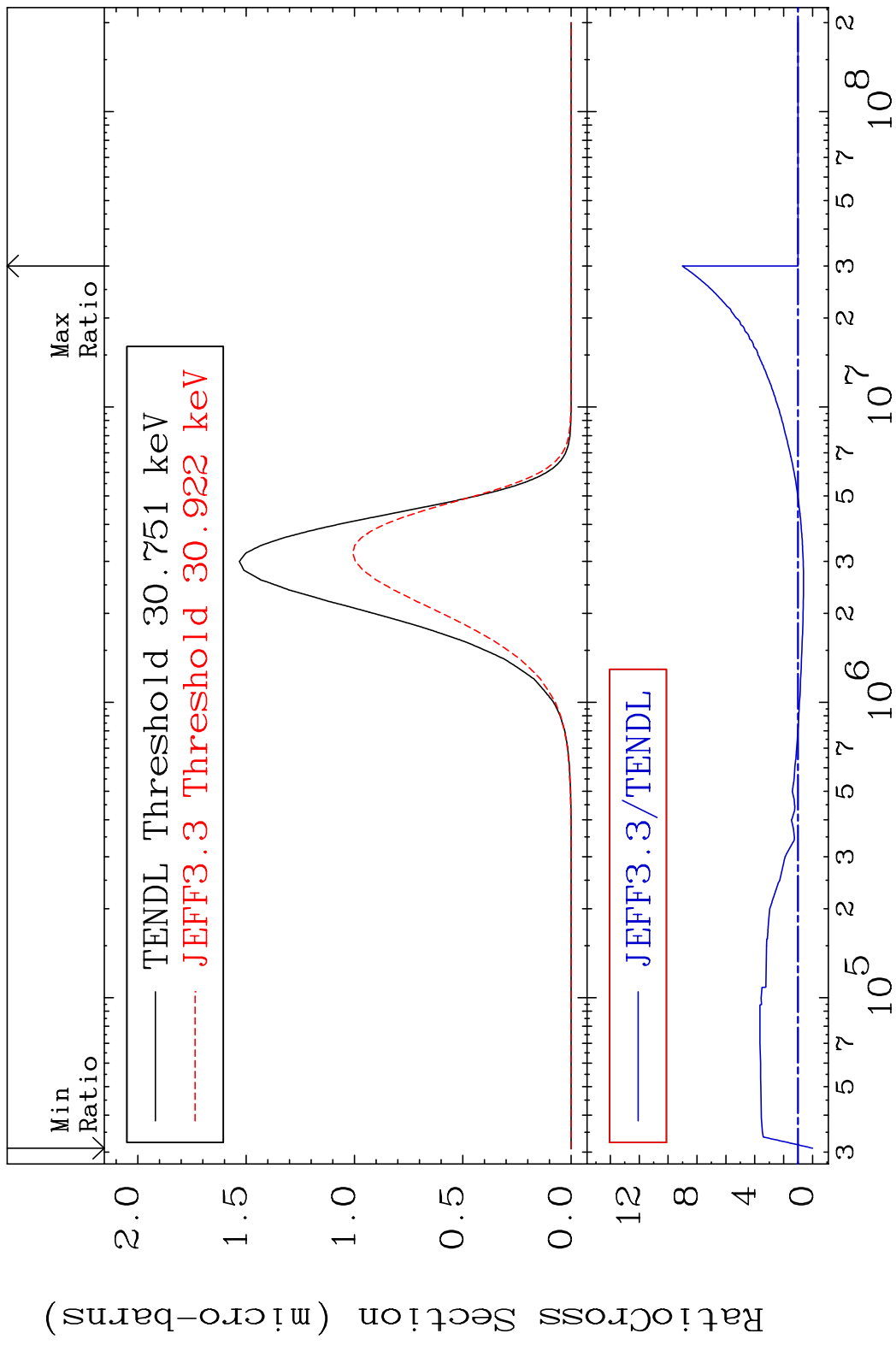


20 Incident Energy (eV) 73-Ta-180m

MAT 7326 MT= 52 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 800.0 %



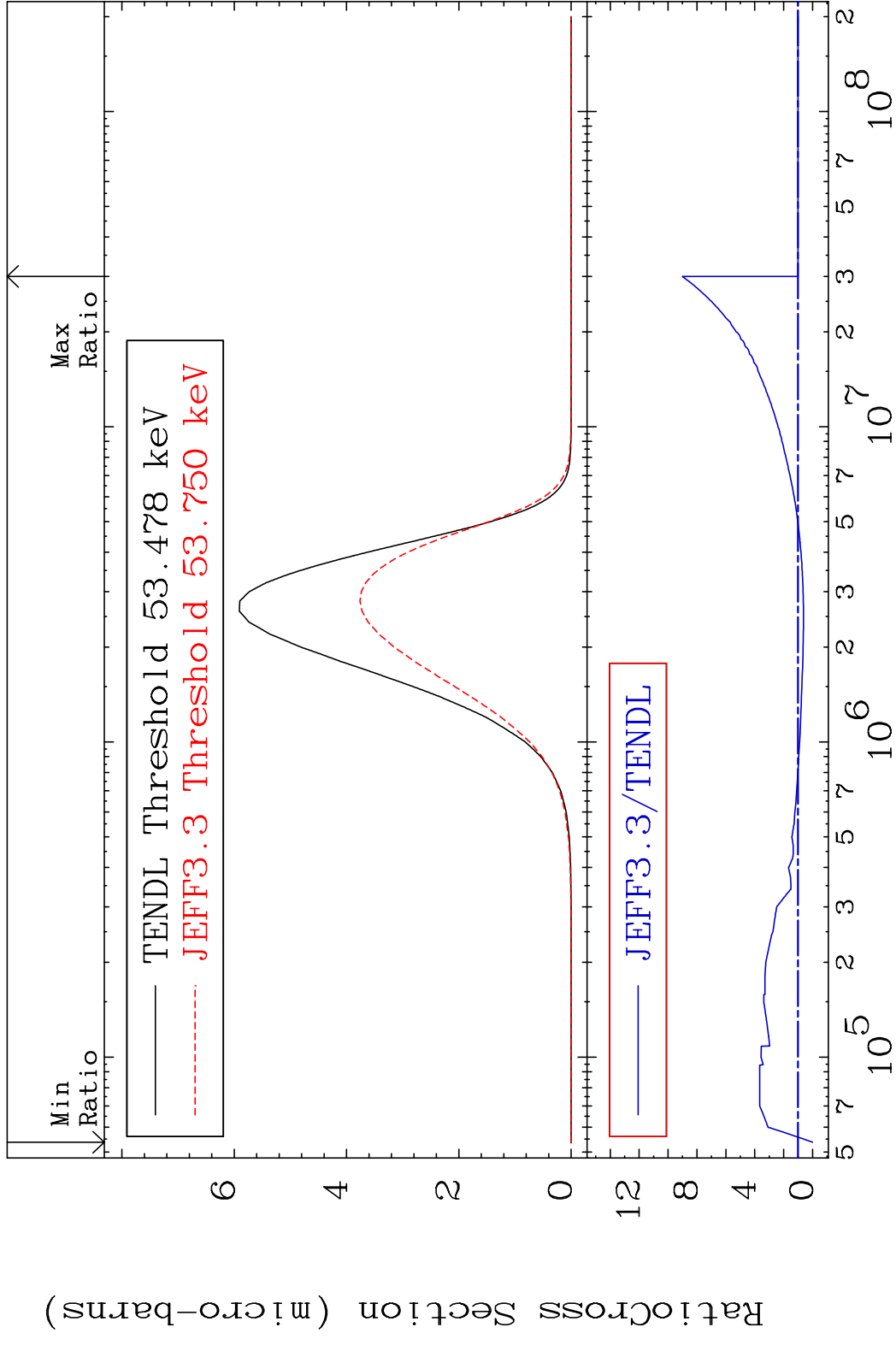
MAT 7326      MT= 53 (n, n') Level      73-Ta-180m  
 Cross Section    -100.0 To 801.5 %



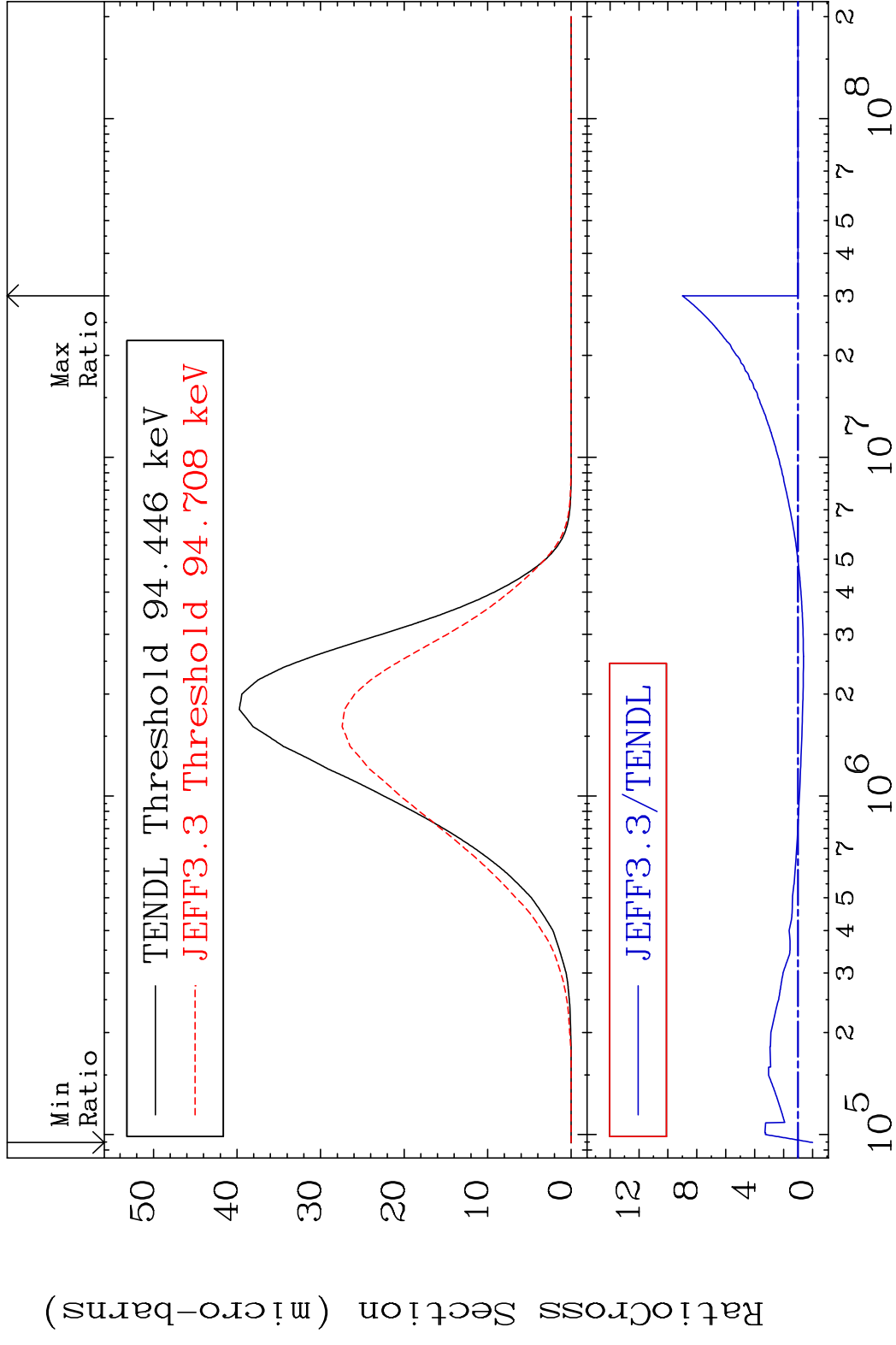




MAT 7326 MT= 55 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 801.0 %

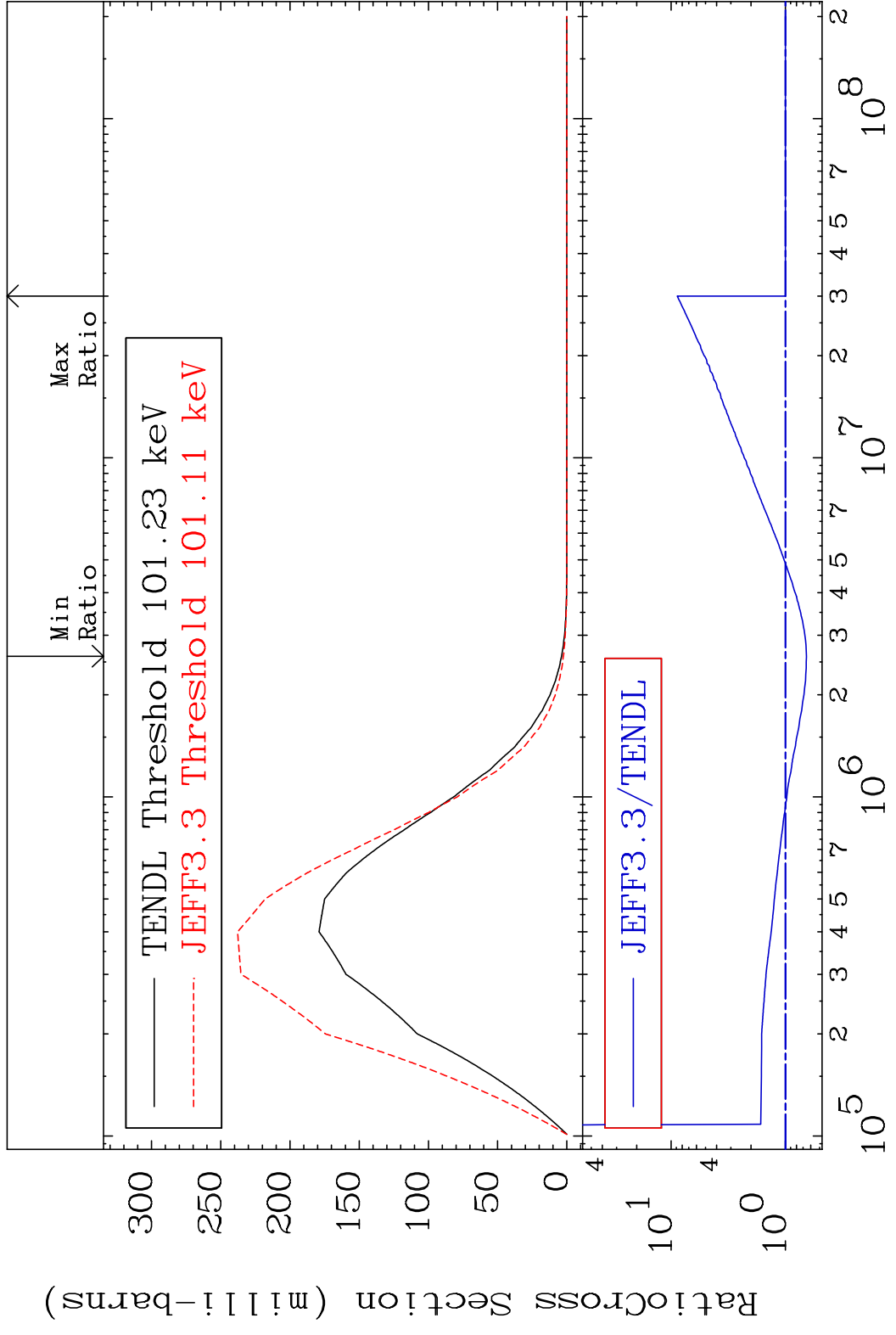


MAT 7326 MT= 56 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 800.0 %



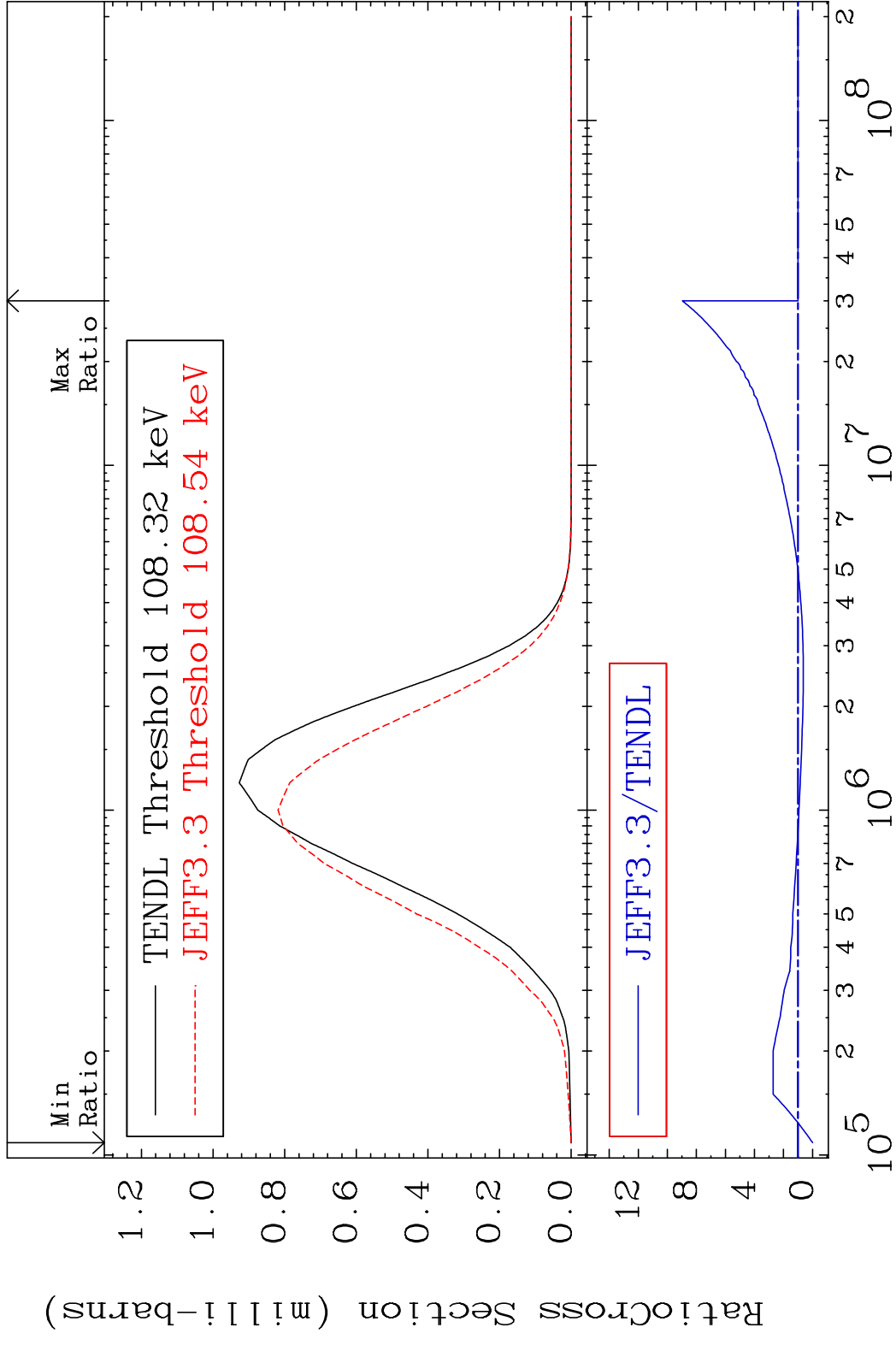
25 73-Ta-180m

MAT 7326 MT= 57 (n, n') Level 73-Ta-180m  
 Cross Section -34.64 To 784.9 %

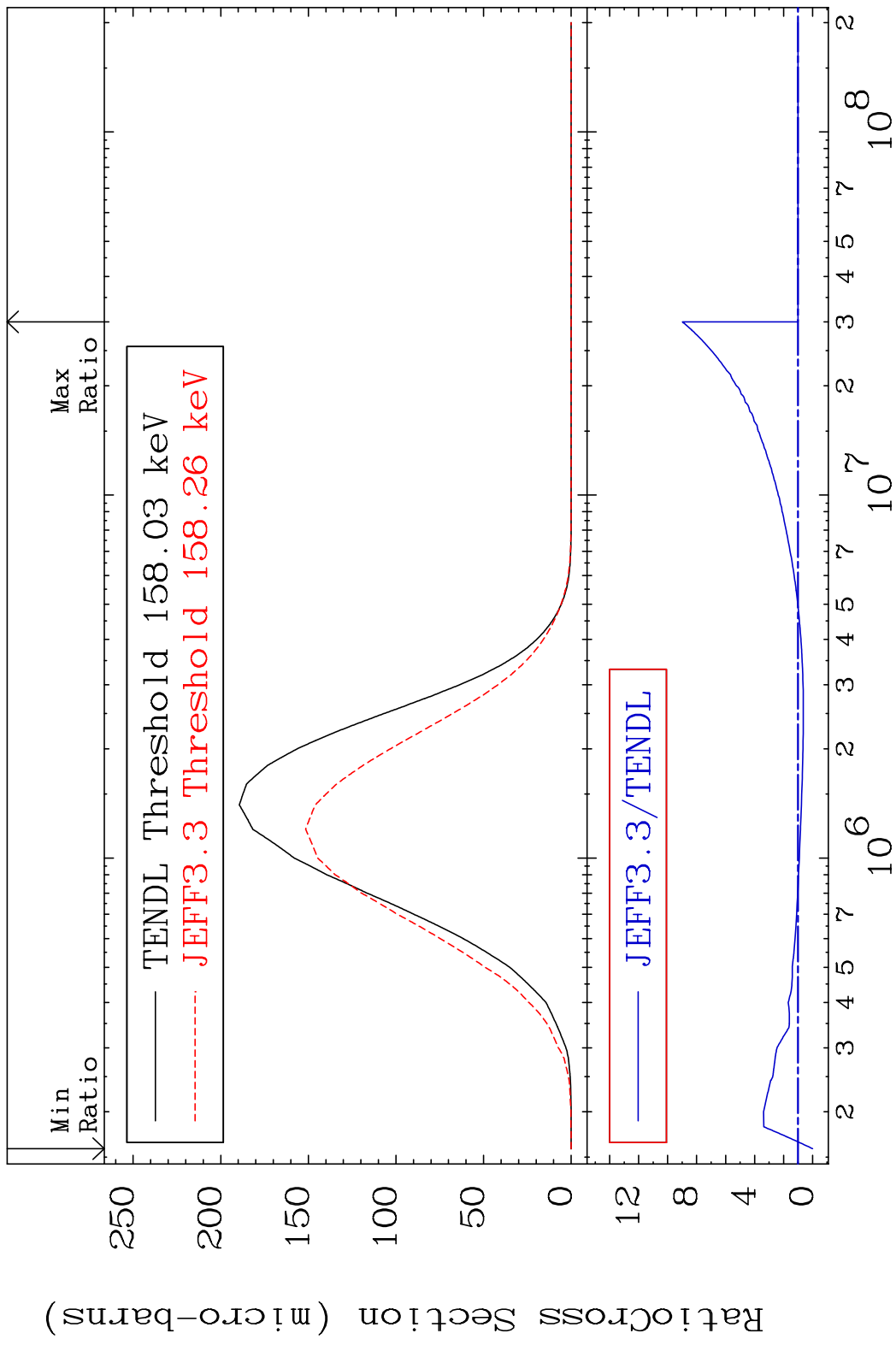


26 Incident Energy (eV) 73-Ta-180m

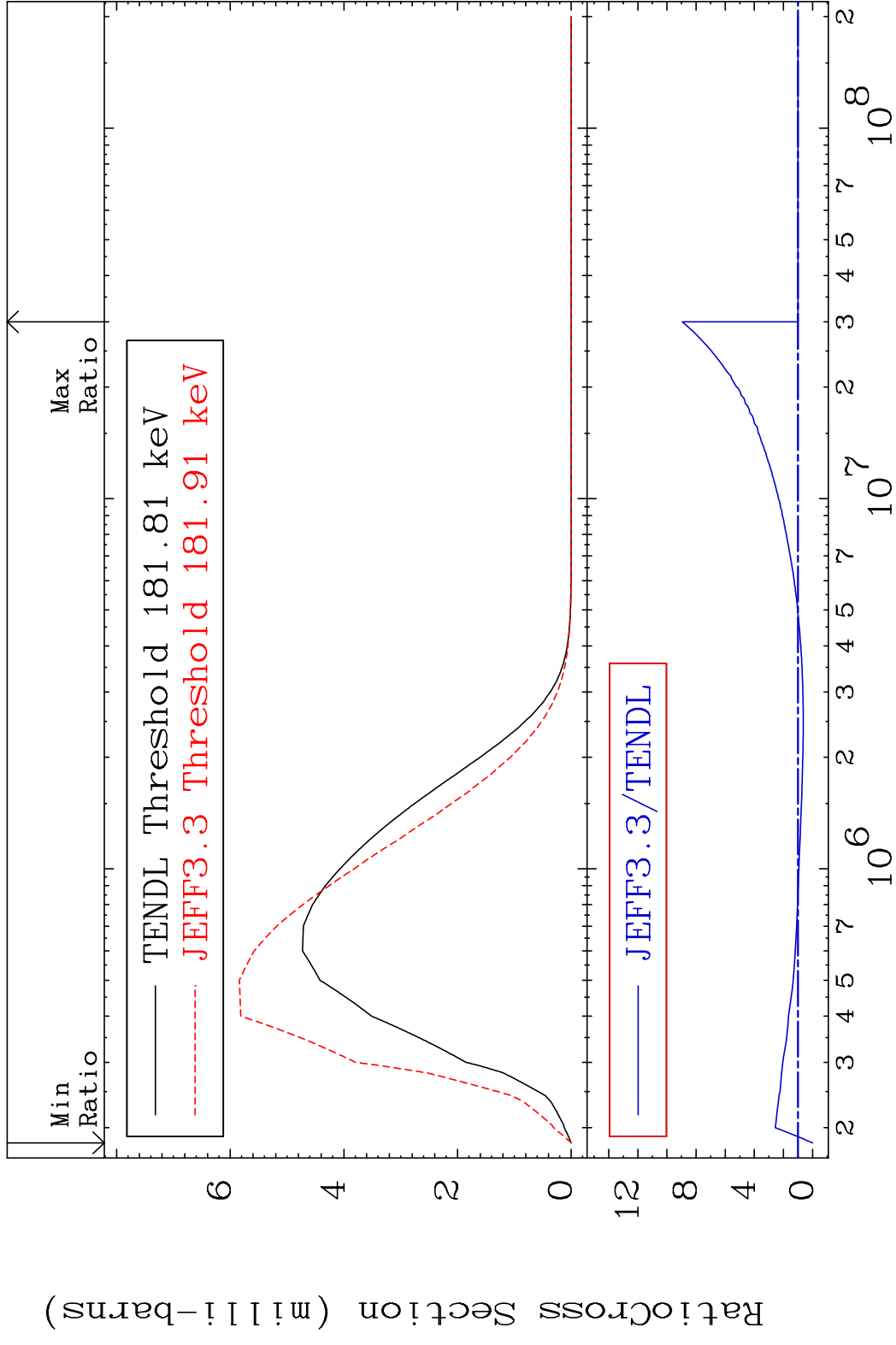
MAT 7326 MT= 58 (n,n') Level 73-Ta-180m  
 Cross Section -100.0 To 796.5 %



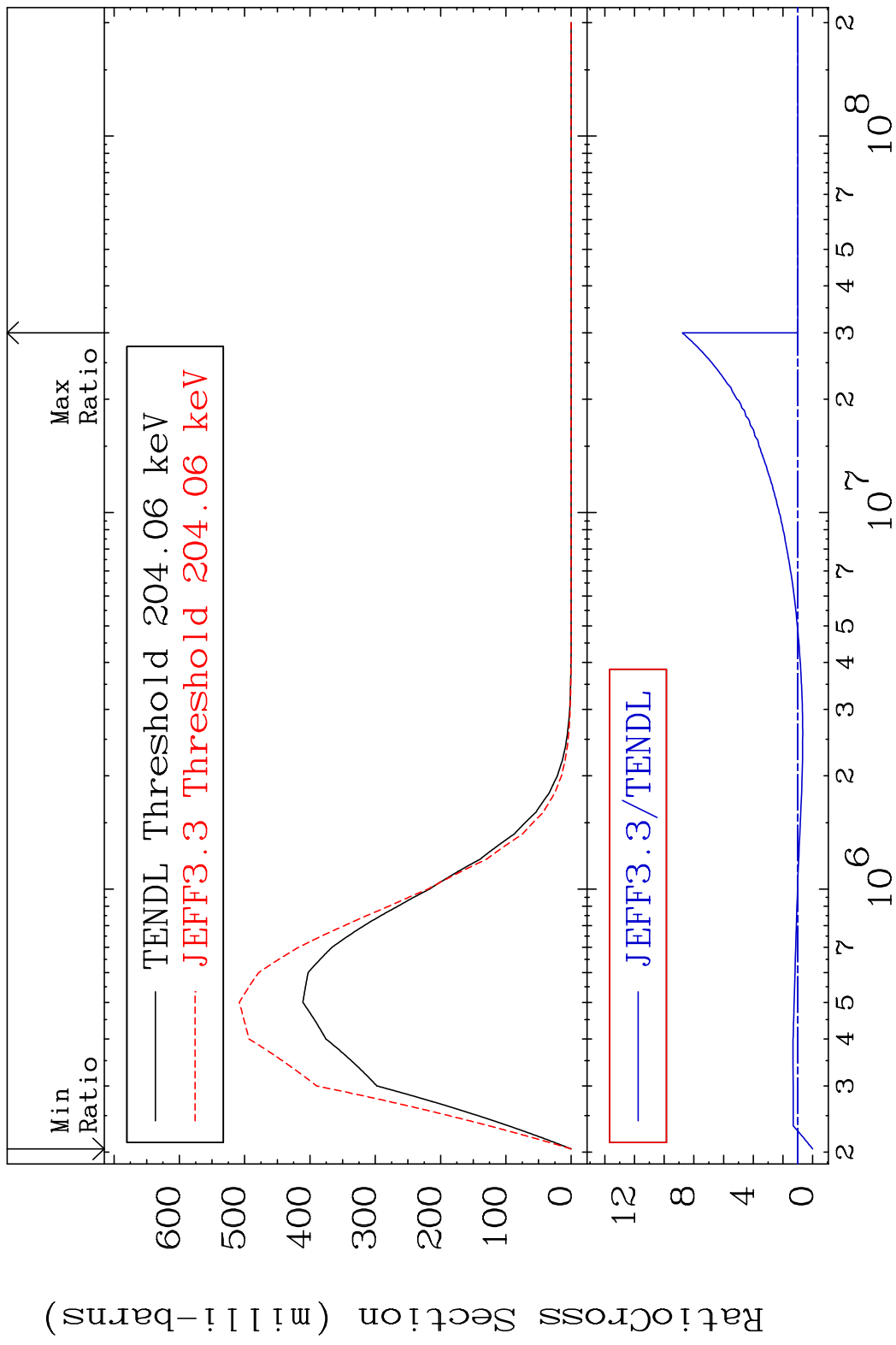
MAT 7326 MT= 59 (n,n') Level 73-Ta-180m  
 Cross Section -100.0 To 798.5 %



MAT 7326 MT= 60 (n,n') Level 73-Ta-180m  
 Cross Section -100.0 To 794.1 %

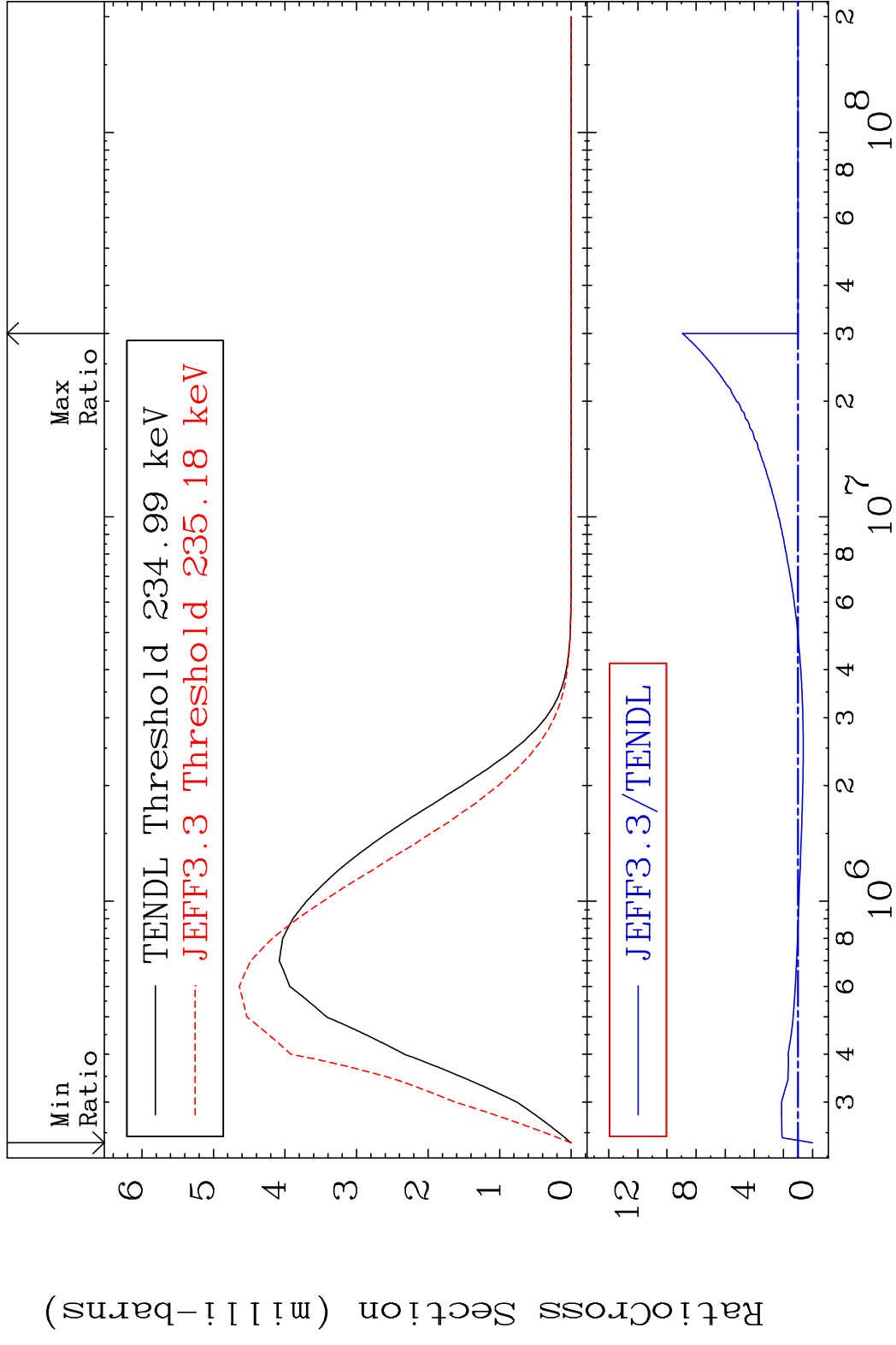


MAT 7326 MT= 61 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 777.9 %



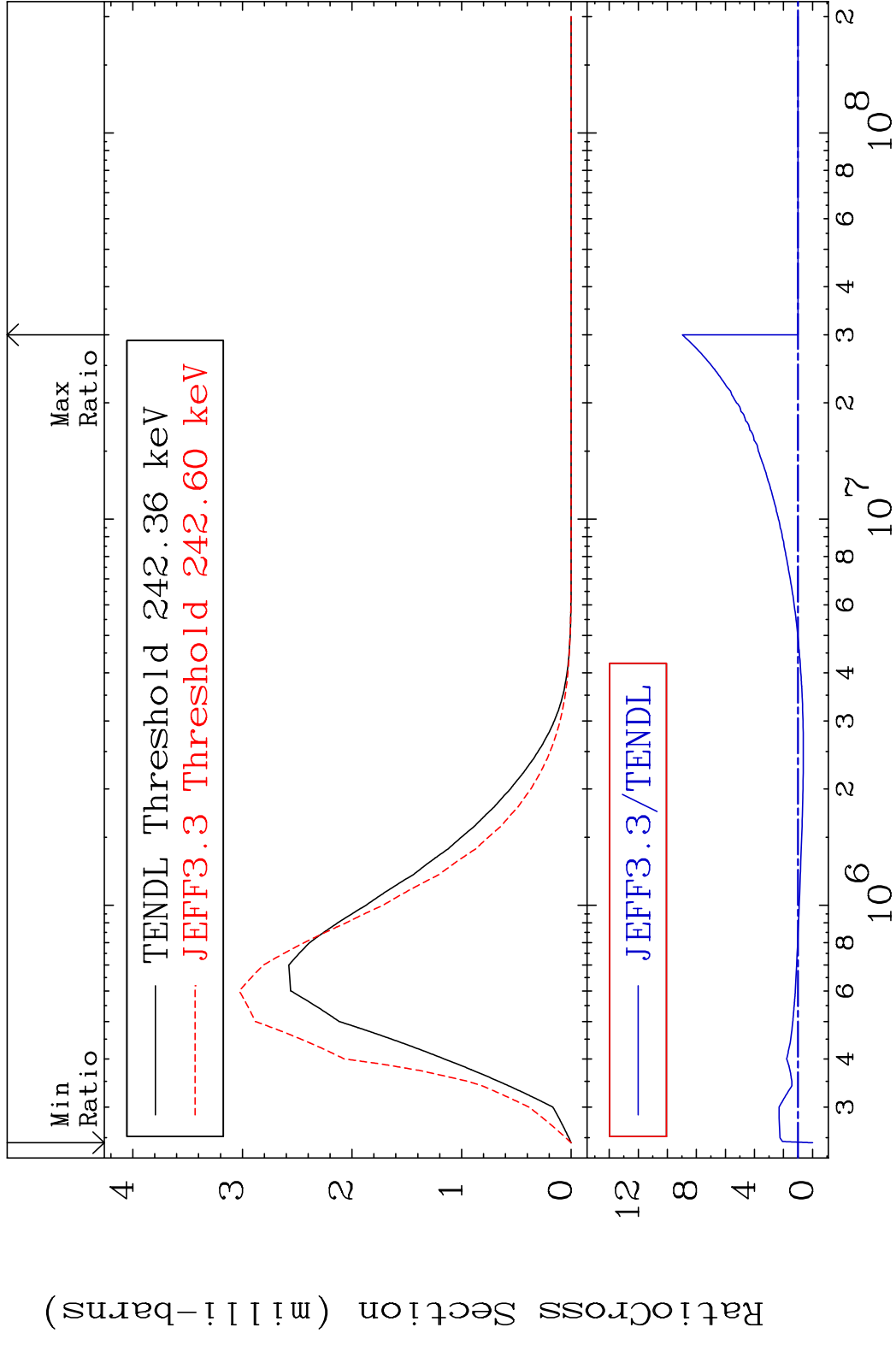
30 Incident Energy (eV) 73-Ta-180m

MAT 7326 MT= 62 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 794.1 %

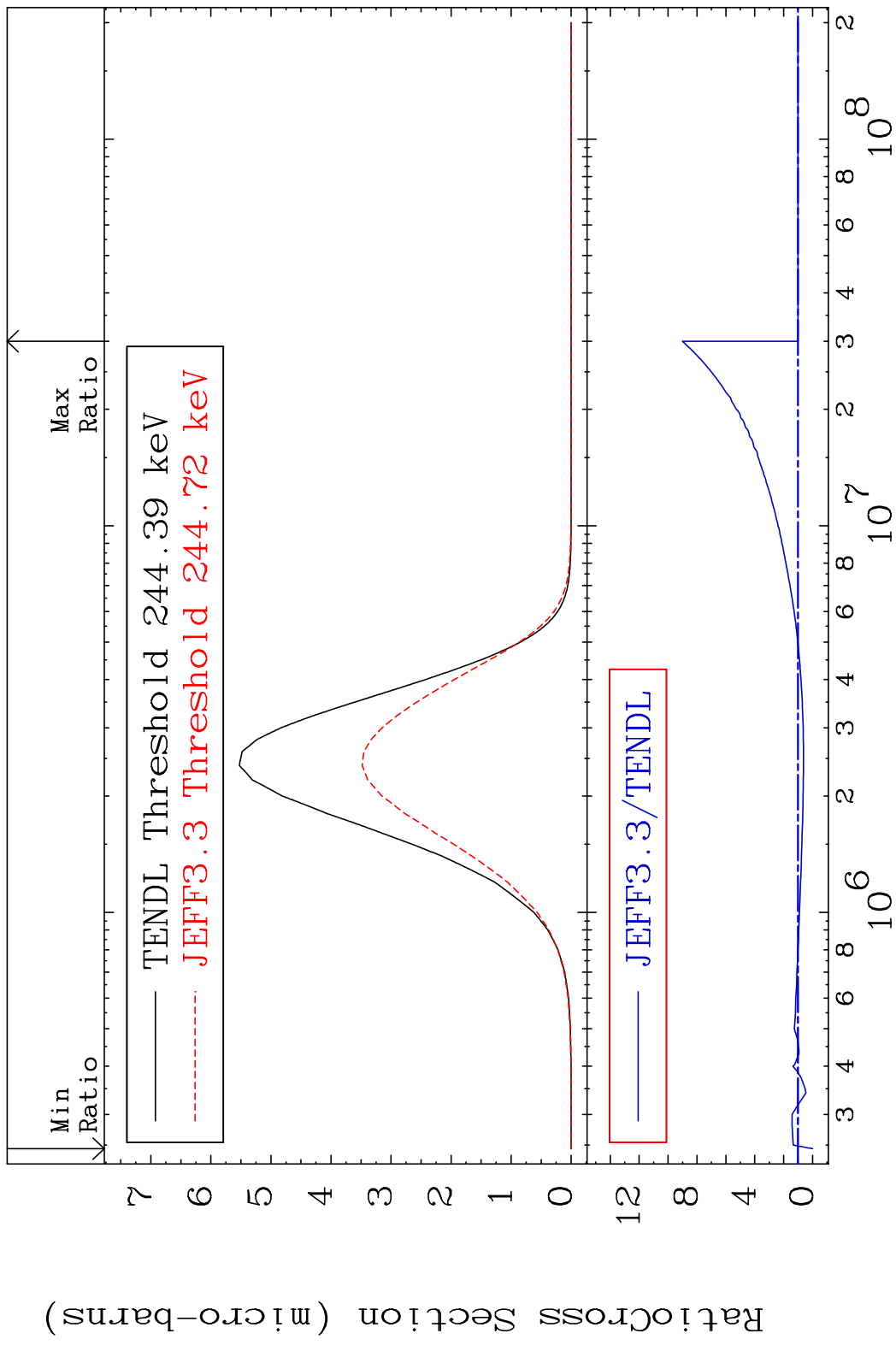




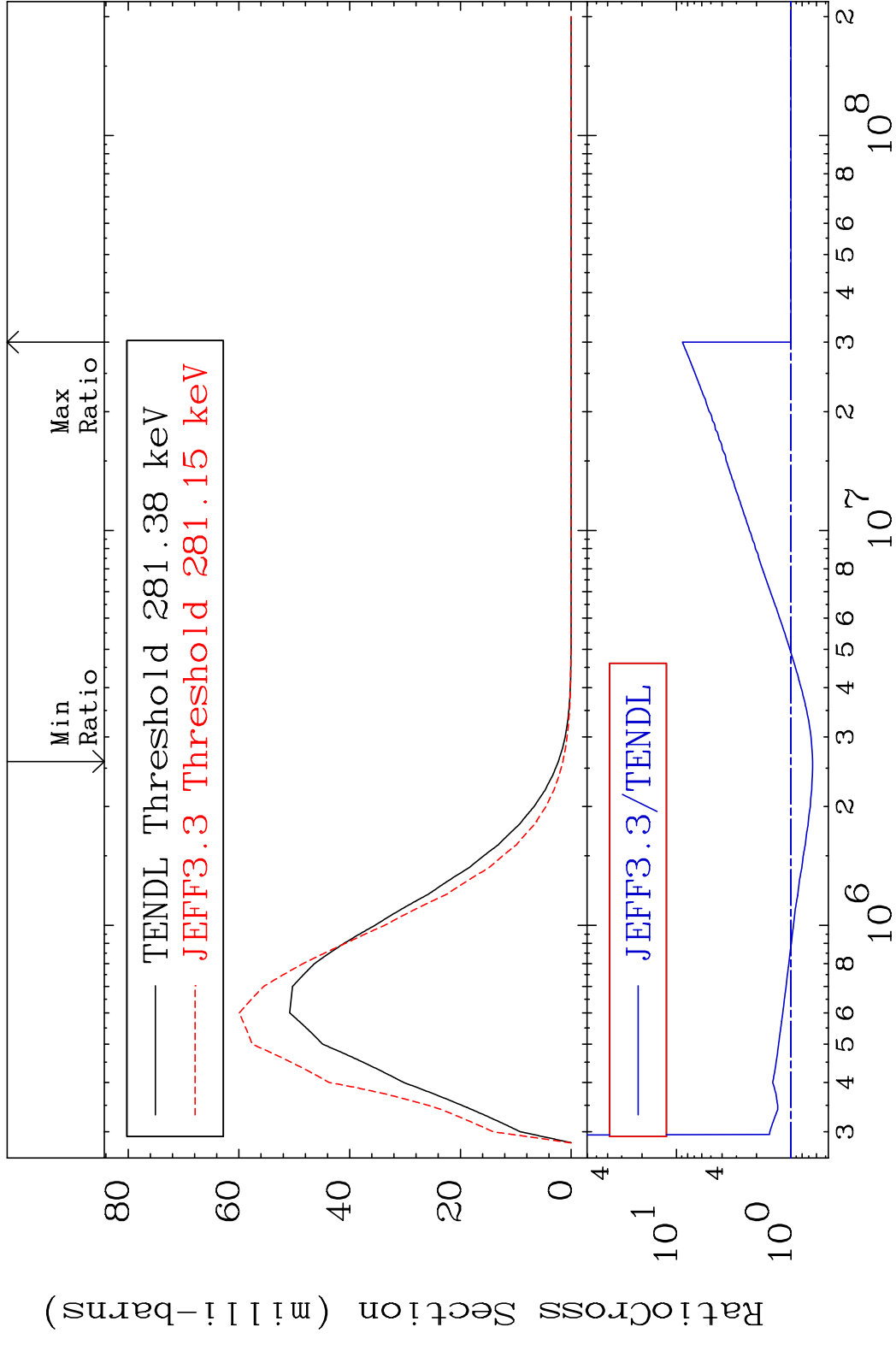
MAT 7326 MT= 63 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 796.5 %



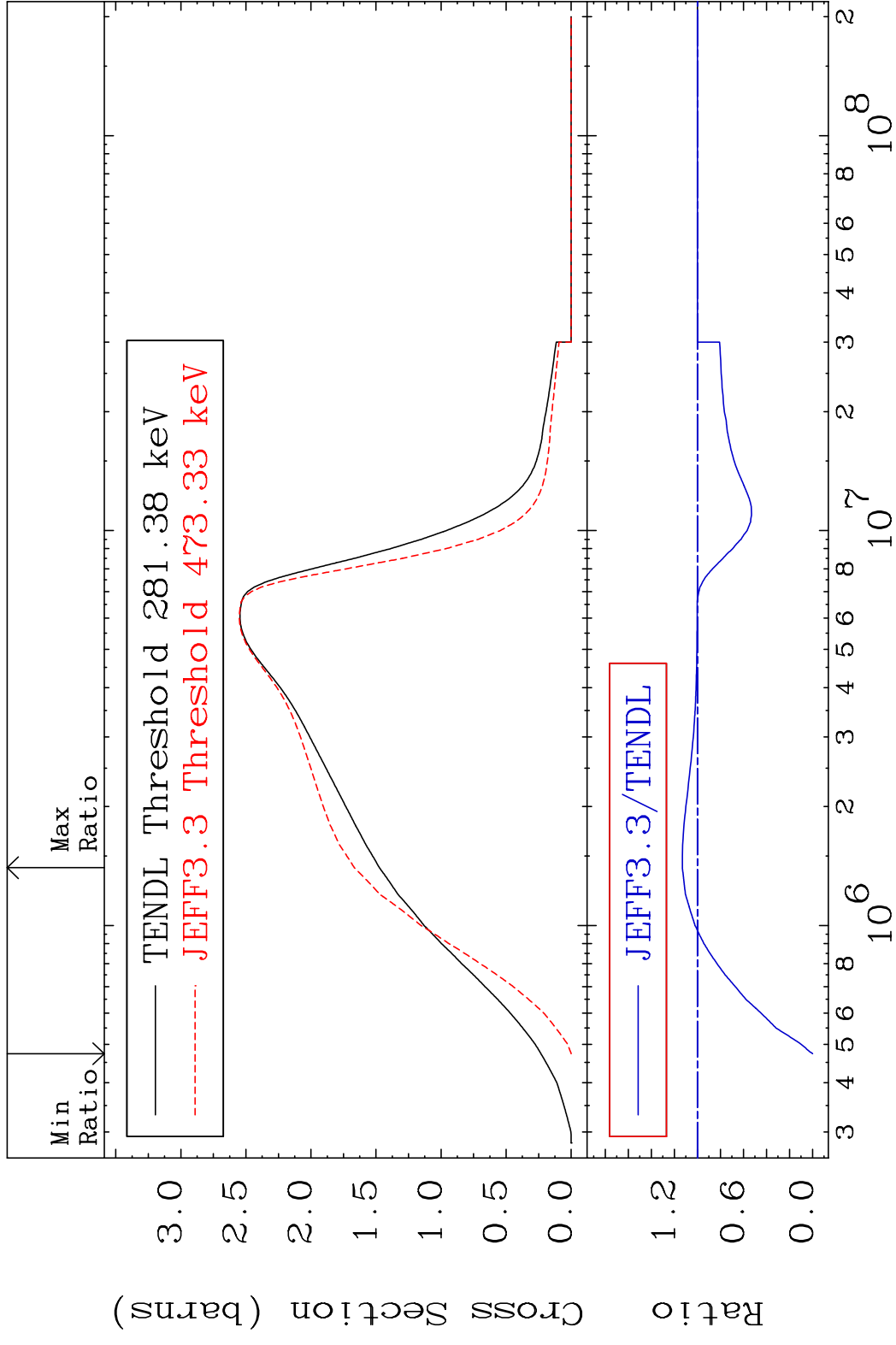
MAT 7326 MT= 64 (n, n') Level 73-Ta-180m  
 Cross Section -100.0 To 801.1 %



MAT 7326 MT= 65 (n, n') Level 73-Ta-180m  
 Cross Section -35.15 To 788.3 %



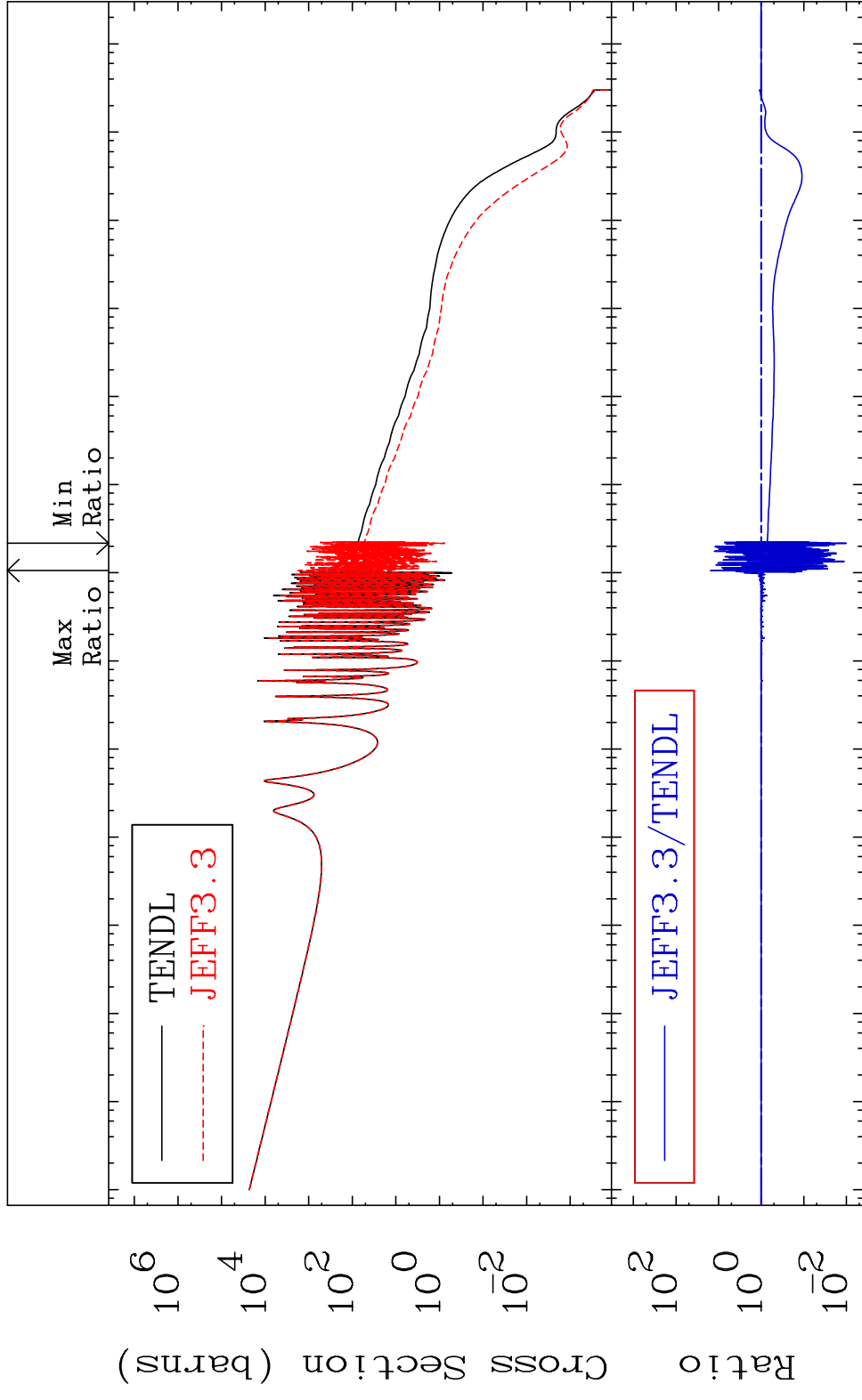
MAT 7326 (n, n') Continuum 73-Ta-180m  
 Cross Section -100.0 To 13.06 %



MAT 7326

(n,  $\gamma$ )  
Cross Section -99.00 To 1429. %

73-Ta-180m



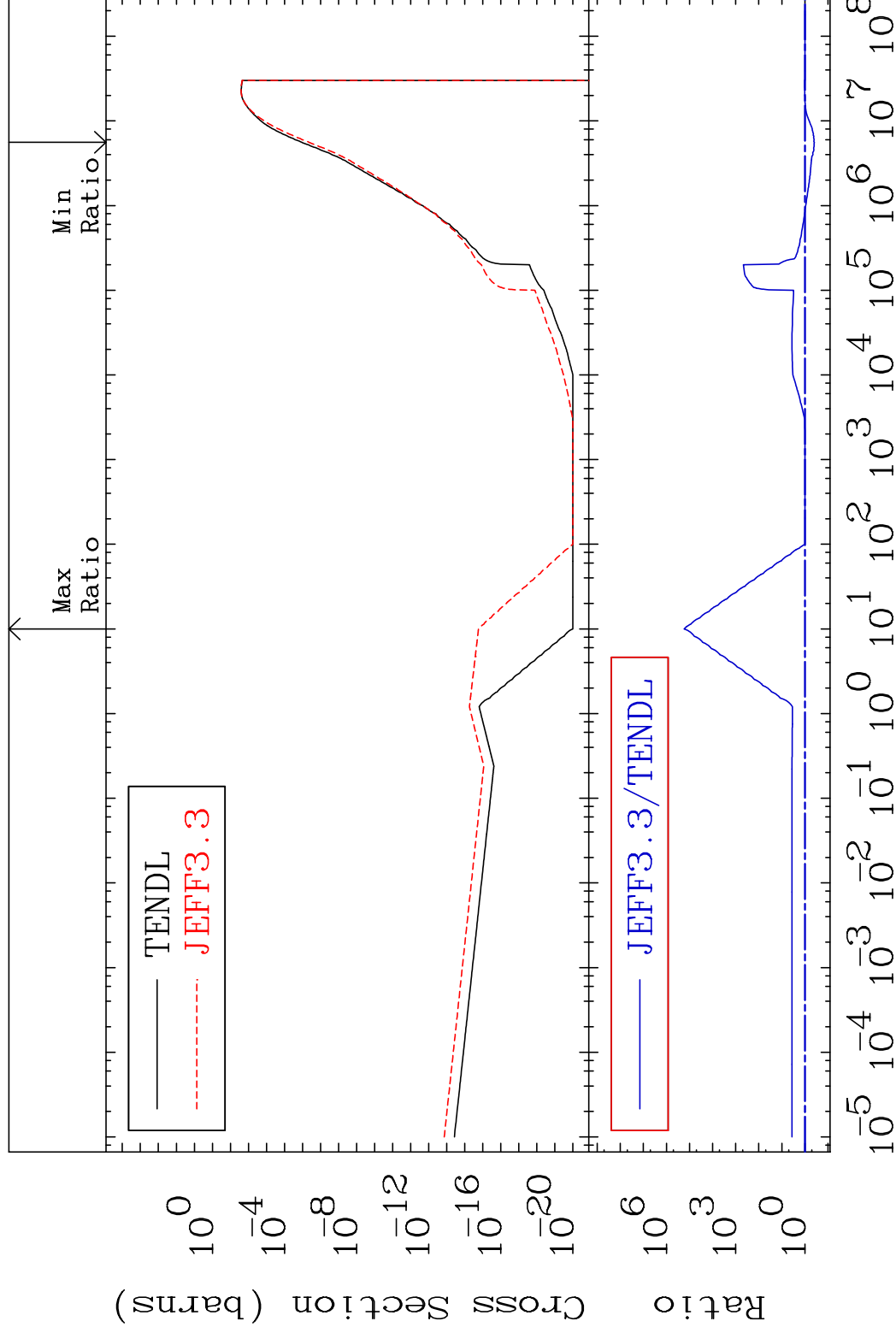
MAT 7326

(n, p)

73-Ta-180m

Cross Section

-60.57 To 9999. %



37

Incident Energy (eV)

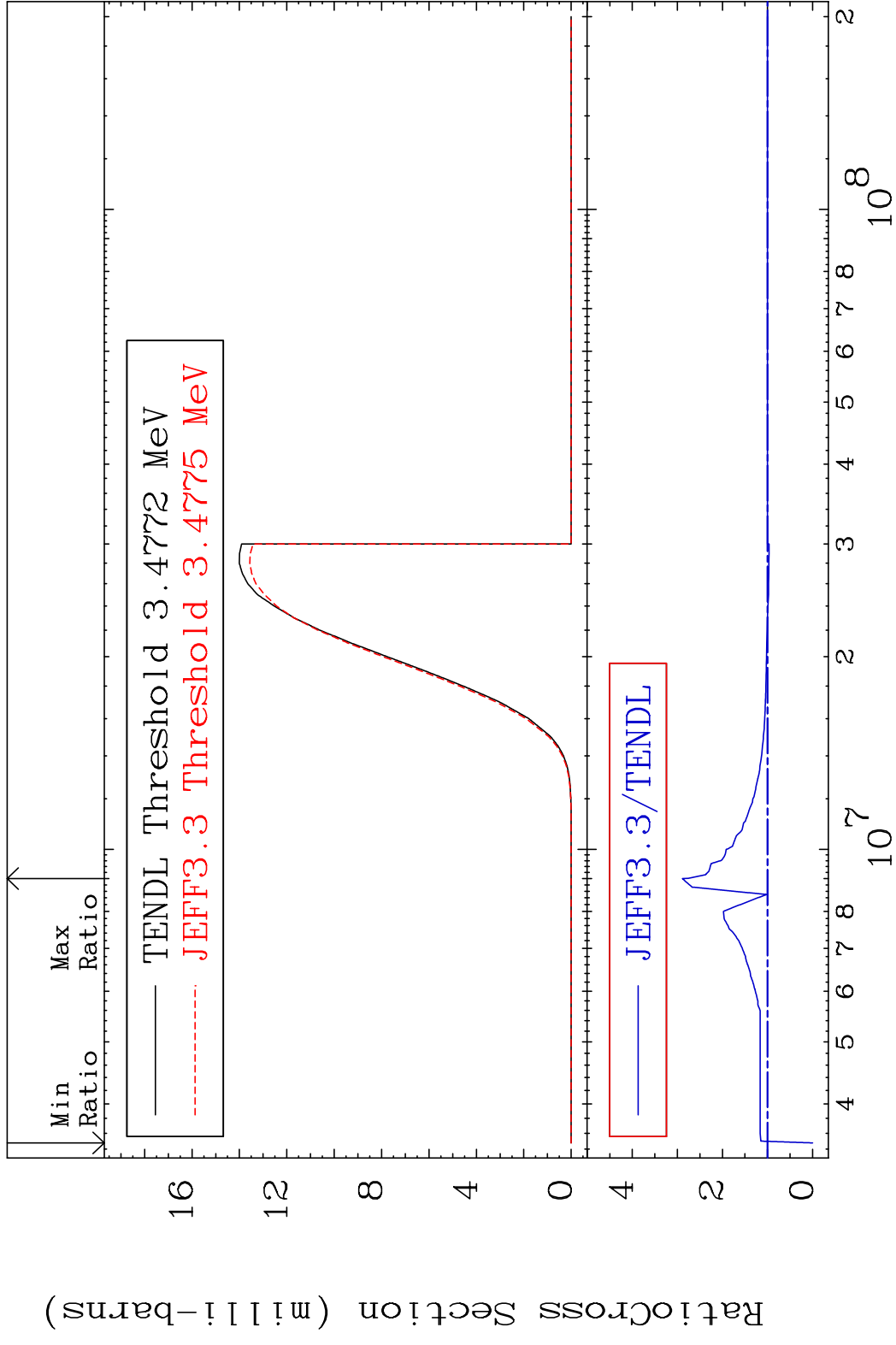
73-Ta-180m

MAT 7326

(n, d)

73-Ta-180m

Cross Section -100.0 To 188.9 %

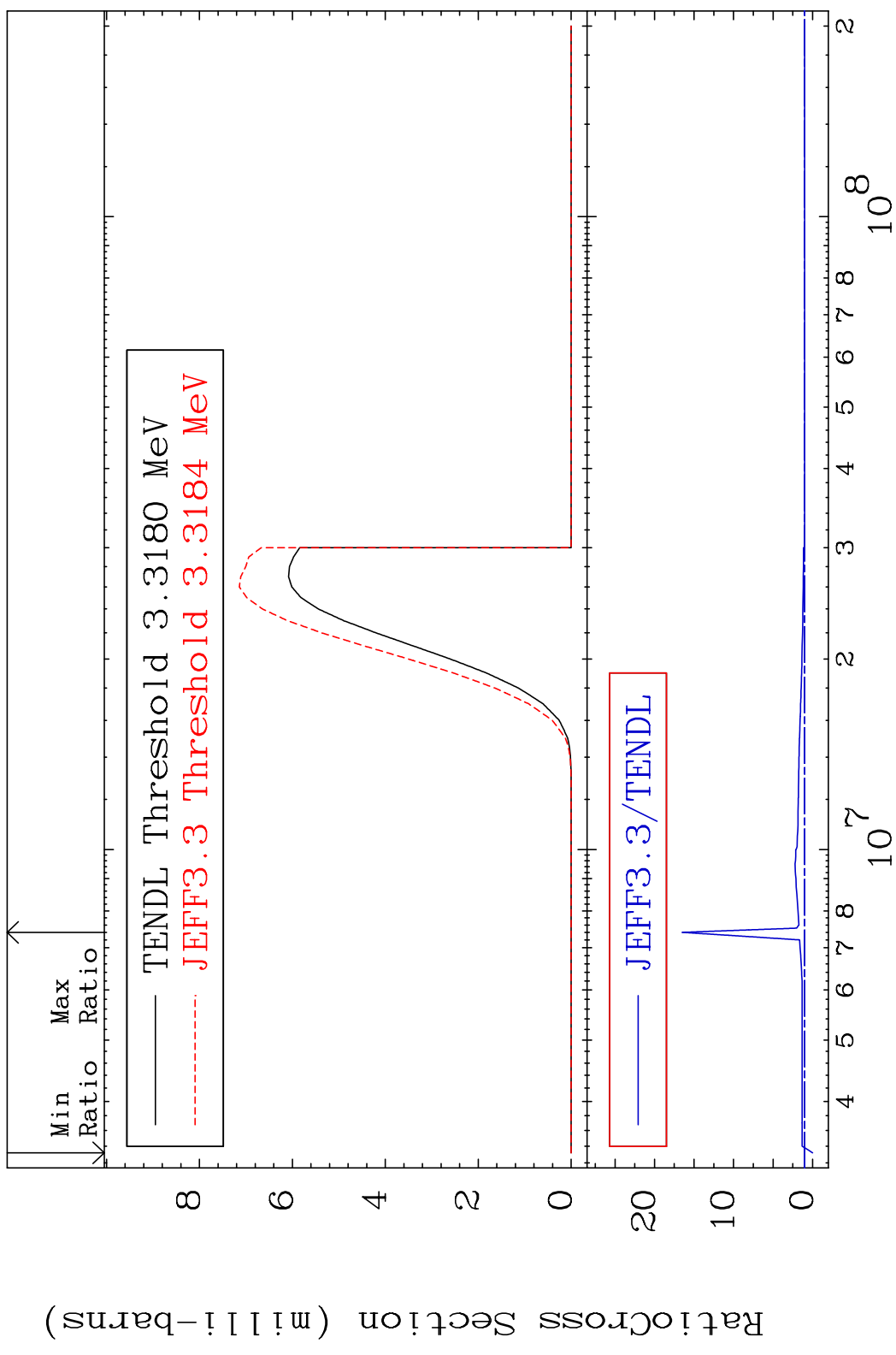


MAT 7326

(n, t)

73-Ta-180m

Cross Section -100.0 To 1548. %



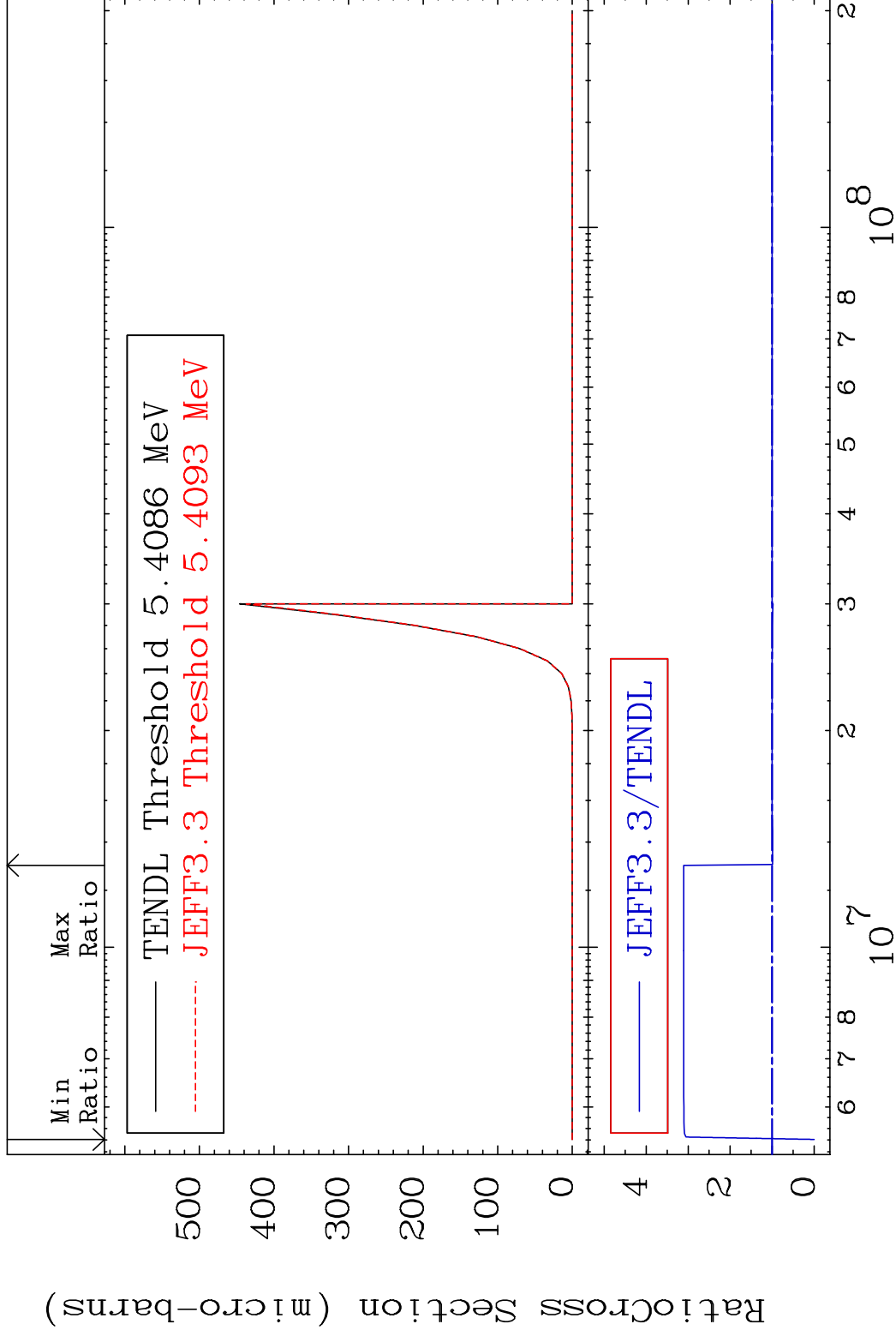


MAT 7326

(n, He-3)

73-Ta-180m

Cross Section -100.0 To 210.7 %



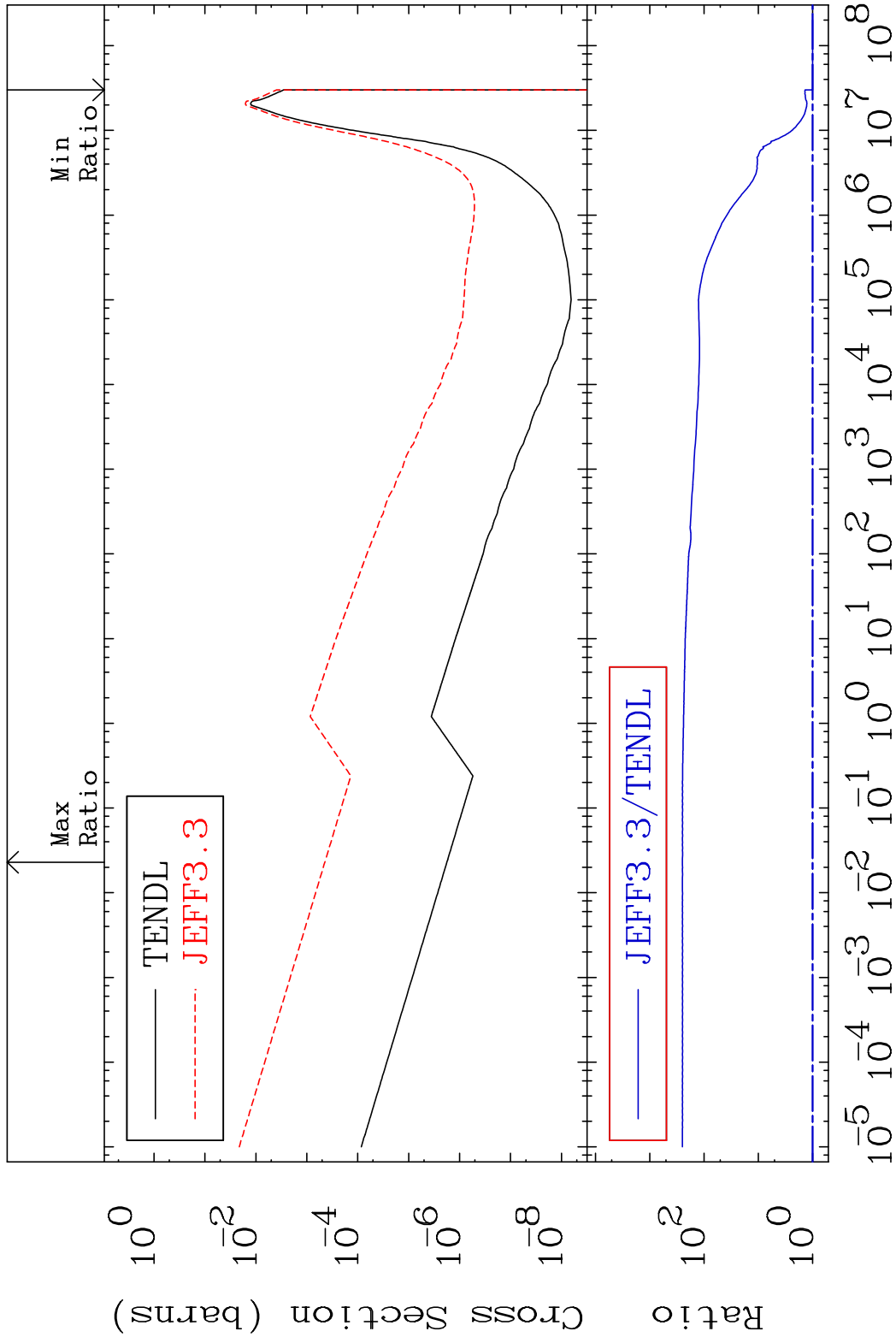
40

Incident Energy (eV)

73-Ta-180m

MAT 7326

(n,  $\alpha$ )  
Cross Section 0.000 73-Ta-180m  
To 9999. %



41

Incident Energy (eV)

73-Ta-180m

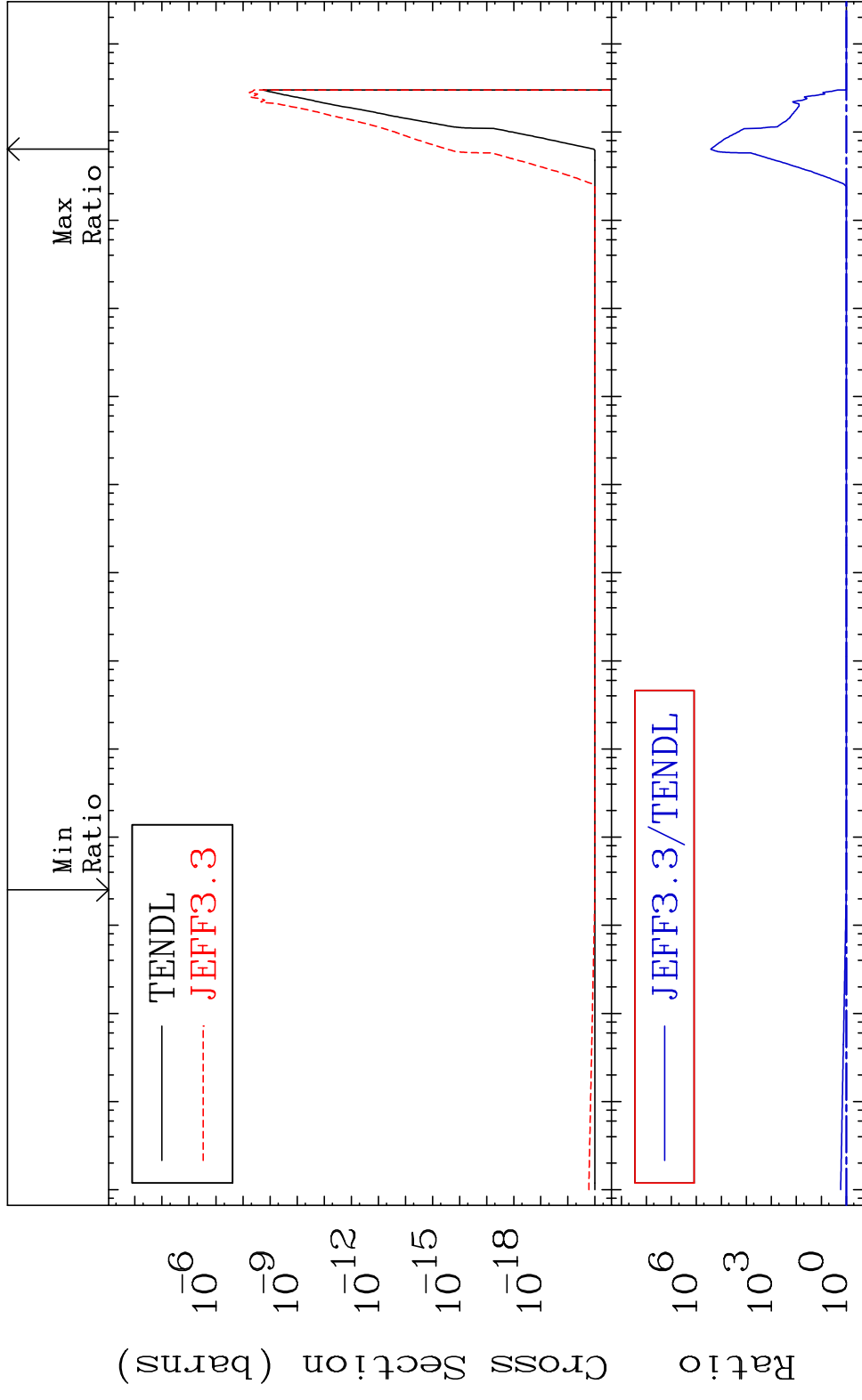
MAT 7326

(n, 2α)

73-Ta-180m

Cross Section 0.000

To 9999. %

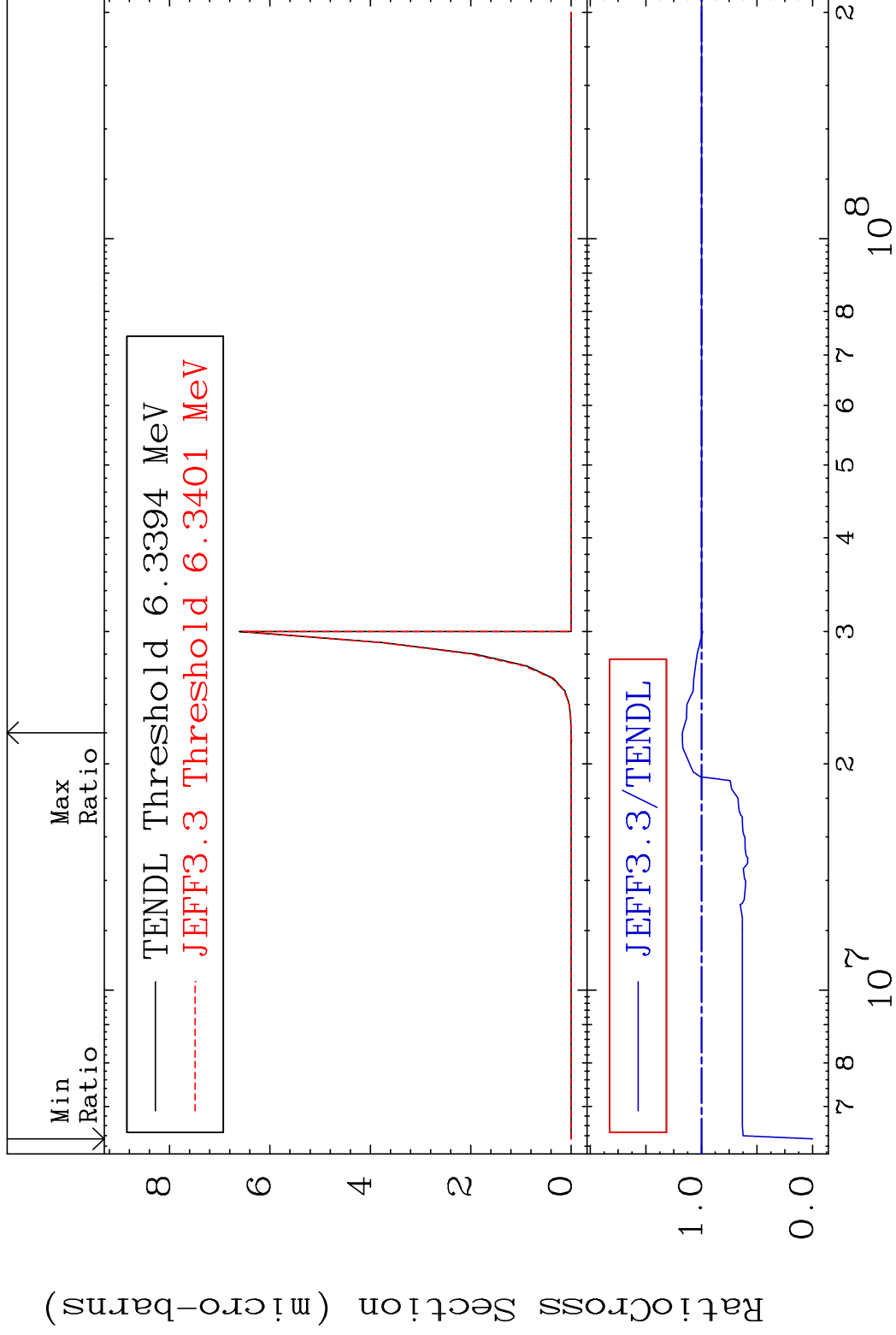


MAT 7326

(n,2p)

73-Ta-180m

Cross Section -100.0 To 17.18 %



43

Incident Energy (eV)

73-Ta-180m

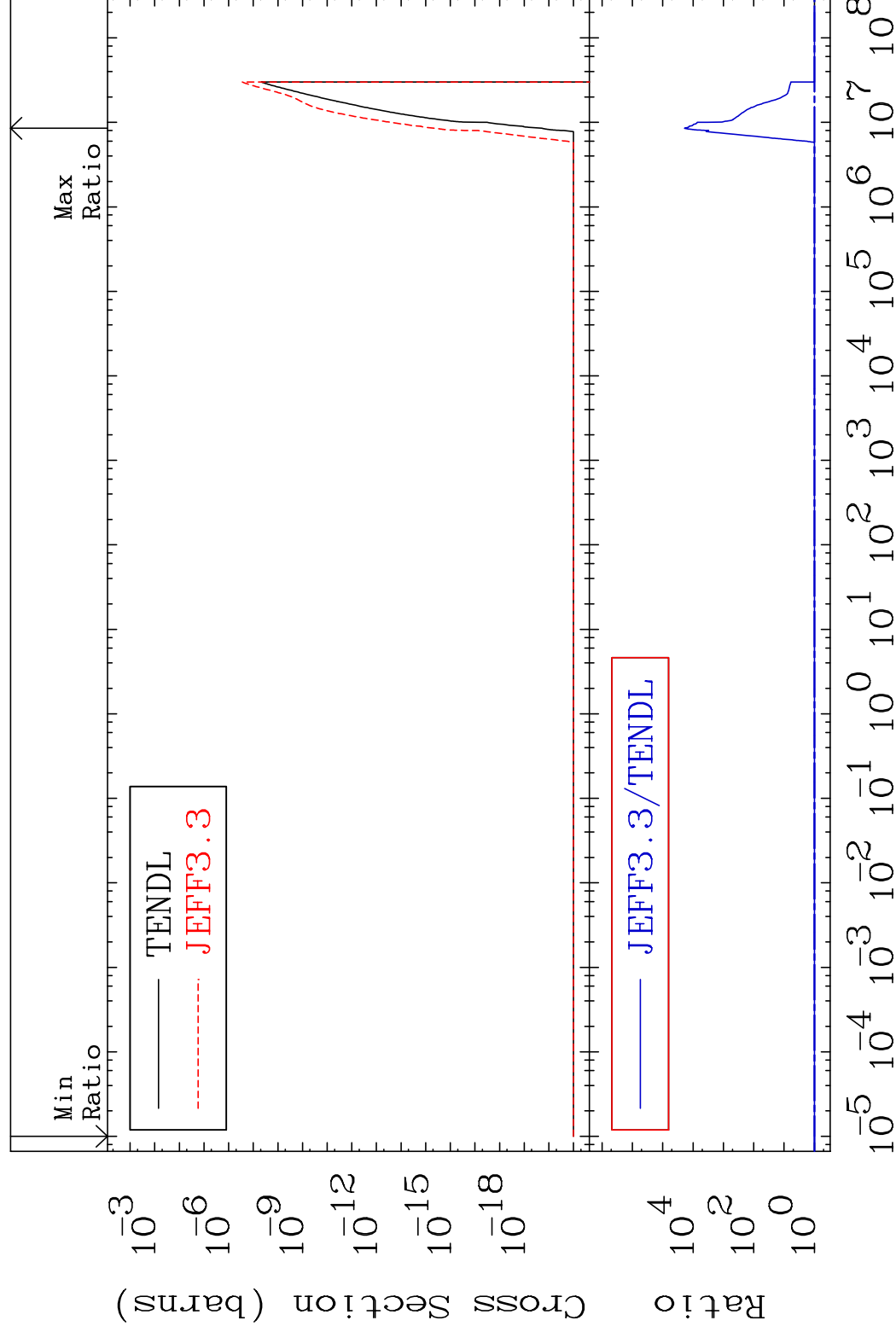
MAT 7326

(n,p)  $\alpha$

73-Ta-180m

Cross Section 0.000

To 9999. %



44

Incident Energy (eV)

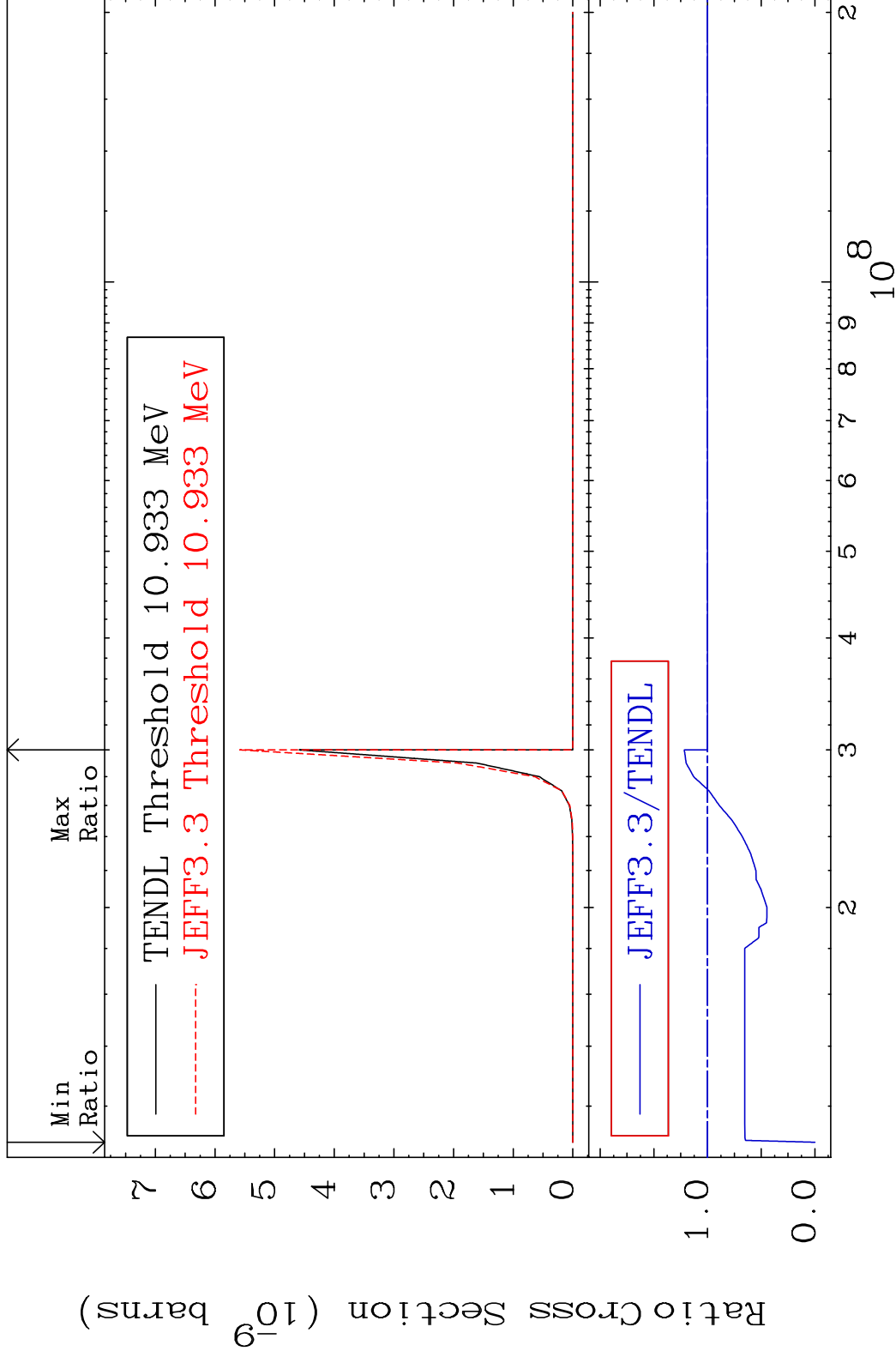
73-Ta-180m

MAT 7326

(n,p) d

73-Ta-180m

Cross Section -100.0 To 21.64 %



45

Incident Energy (eV)

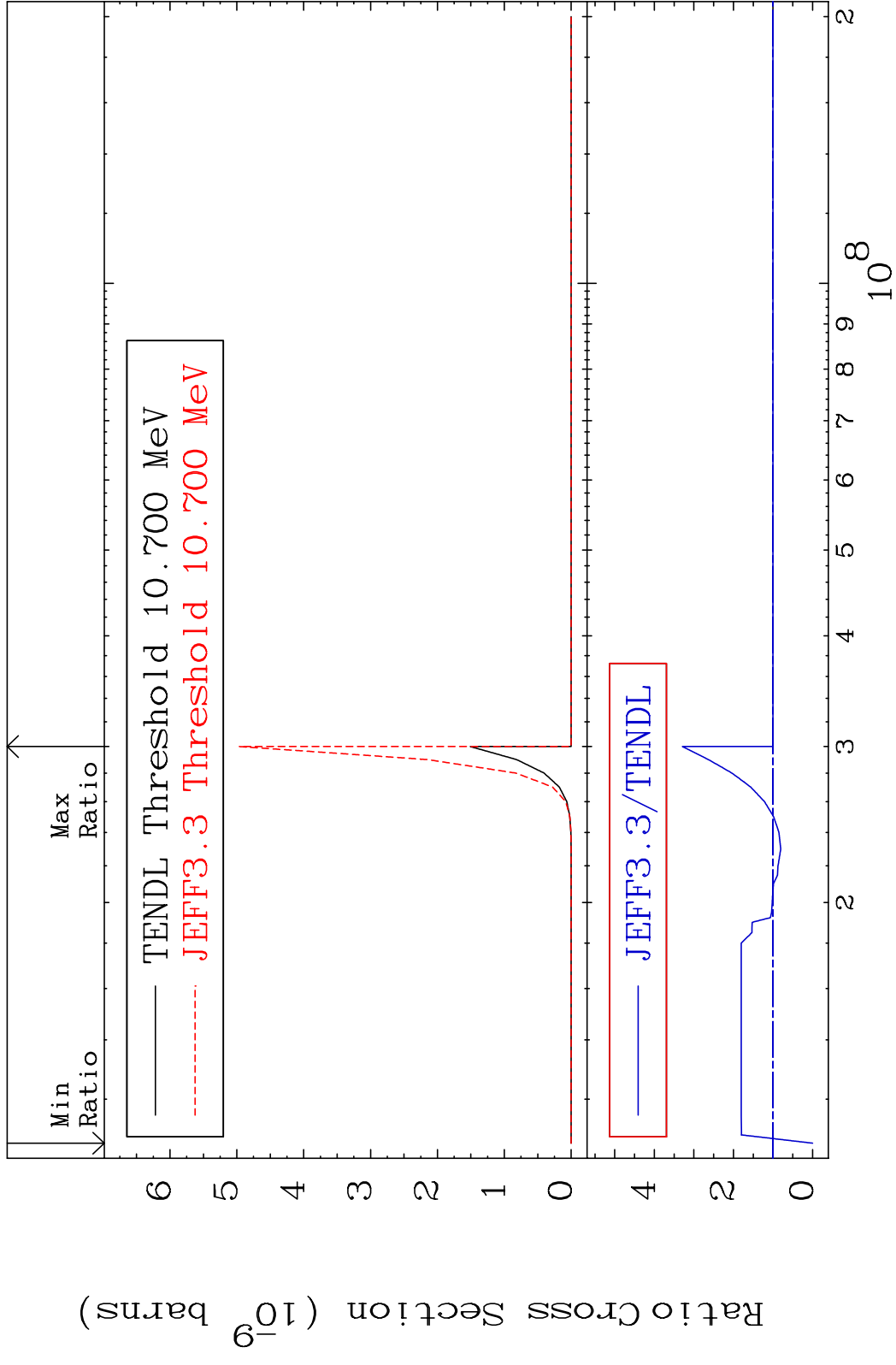
73-Ta-180m

MAT 7326

(n,p) t

73-Ta-180m

Cross Section -100.0 To 229.1 %

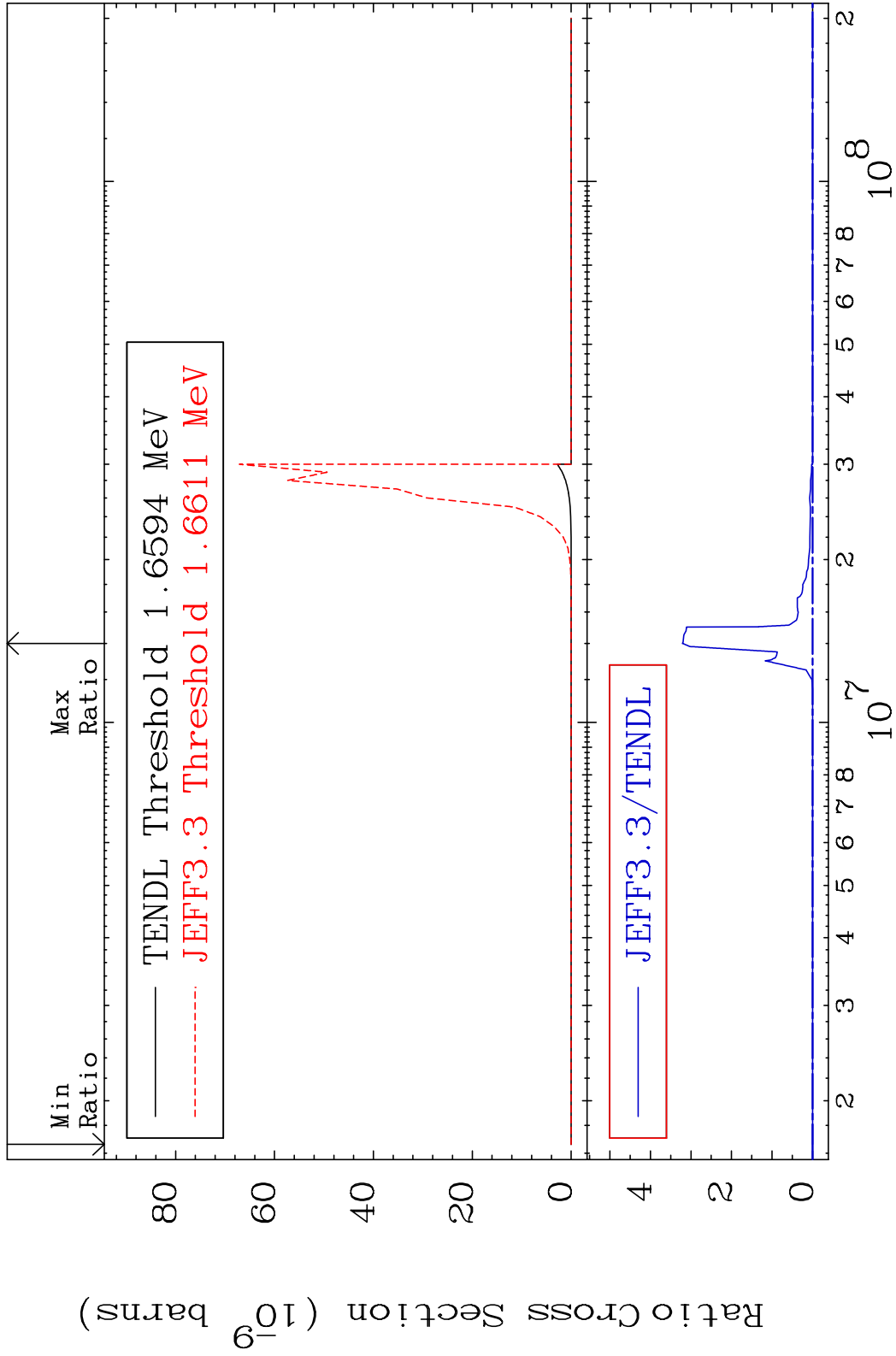


MAT 7326

(n,d)  $\alpha$

73-Ta-180m

Cross Section -100.0 To 9999. %



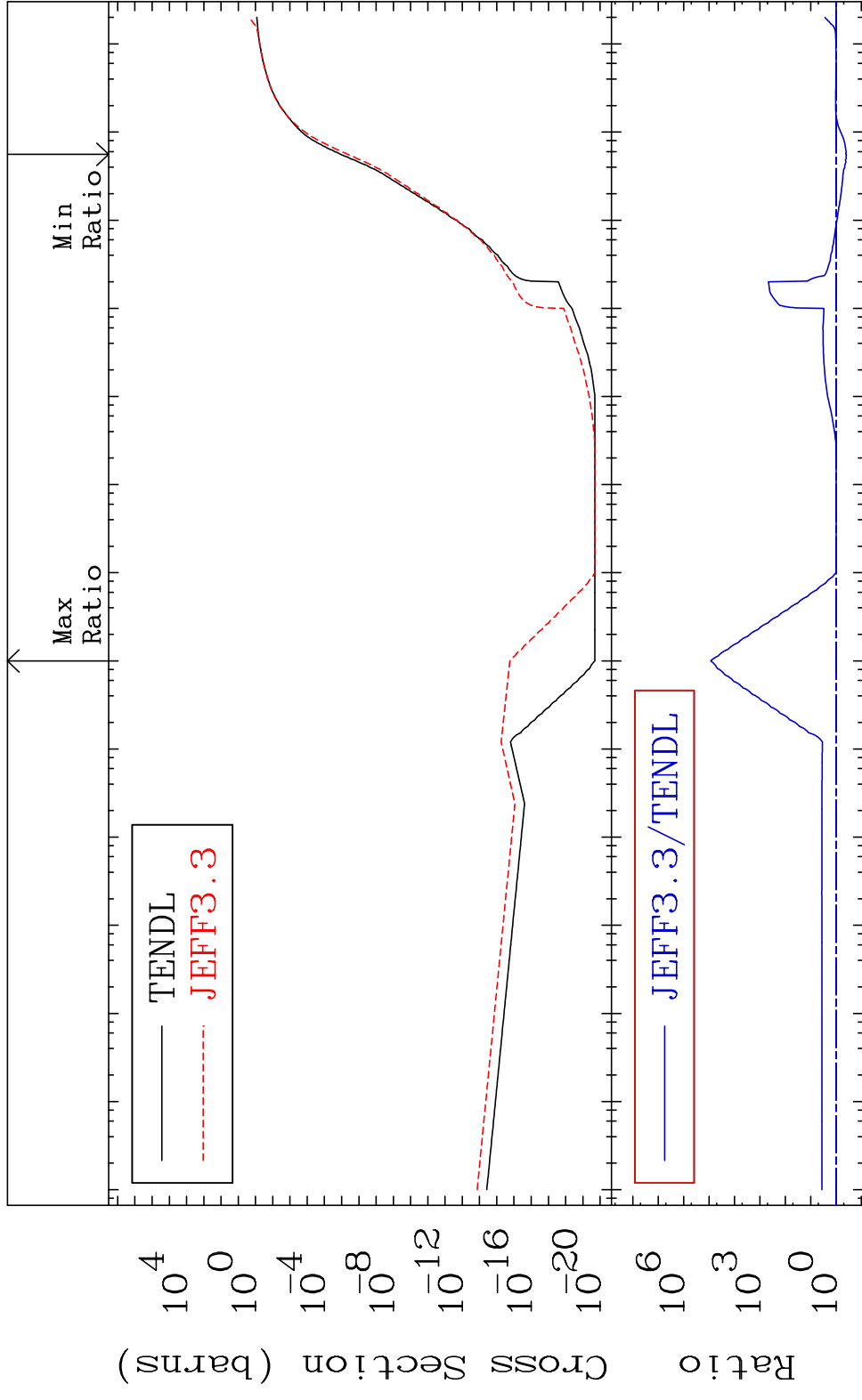
47

Incident Energy (eV)

73-Ta-180m



MAT 7326 Hydrogen Production 73-Ta-180m  
 Cross Section -60.57 To 9999. %



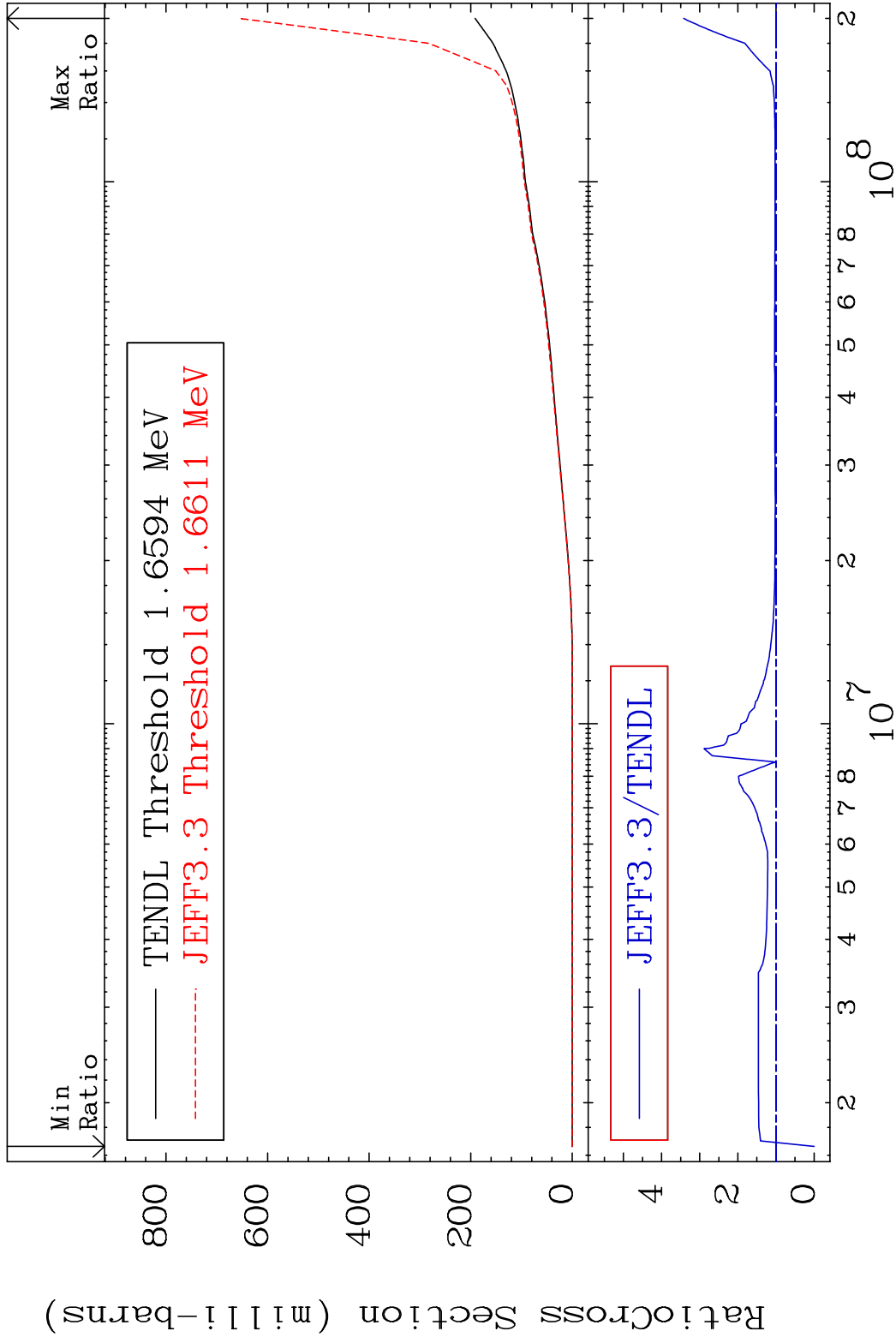
48 Incident Energy (eV) 73-Ta-180m

MAT 7326

Deuterium Production

<sup>73</sup>Ta-180m

Cross Section -100.0 To 242.1 %



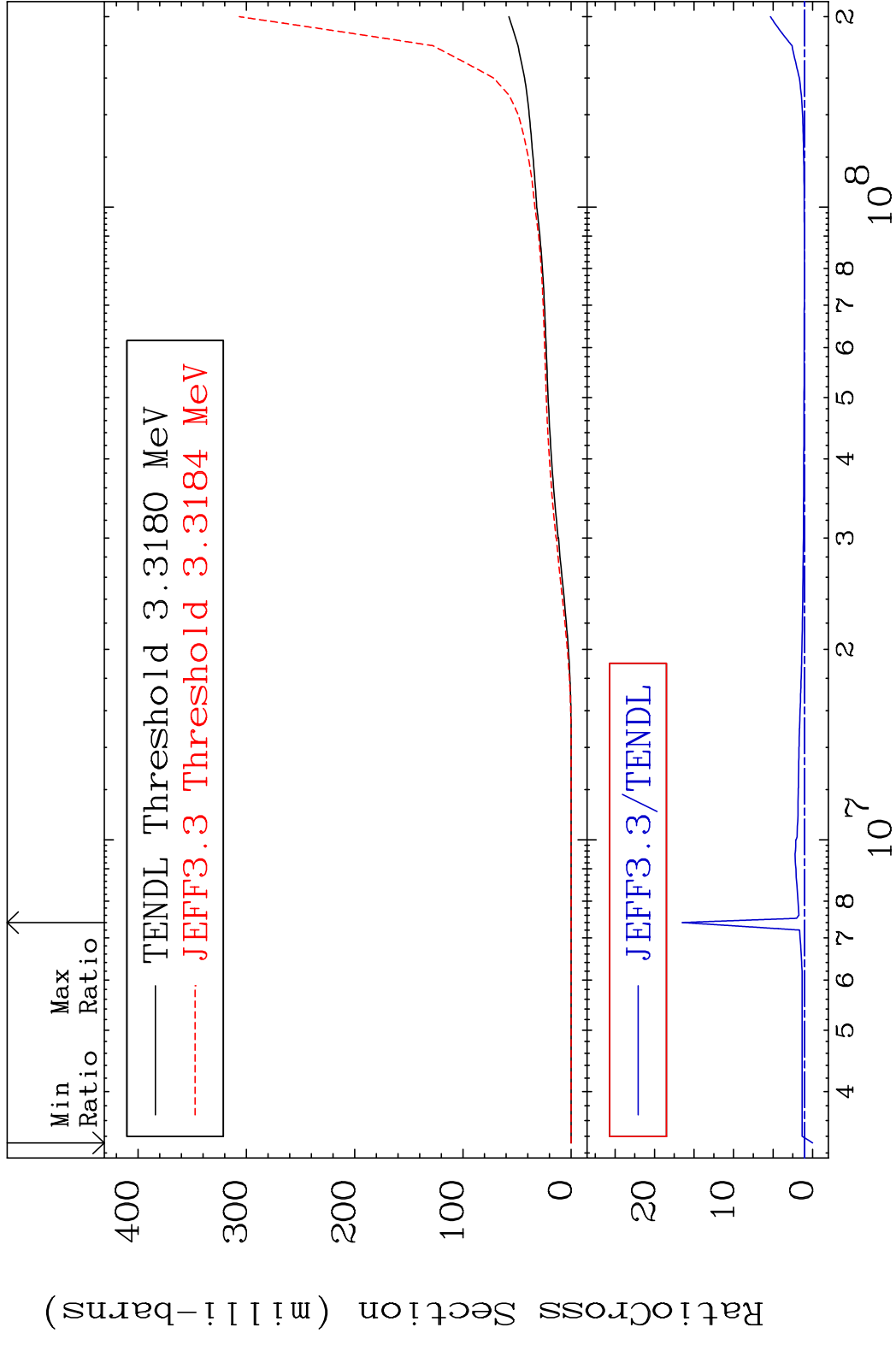
49

Incident Energy (eV)

<sup>73</sup>Ta-180m

MAT 7326

Tritium Production 73-Ta-180m  
Cross Section -100.0 To 1548. %



50

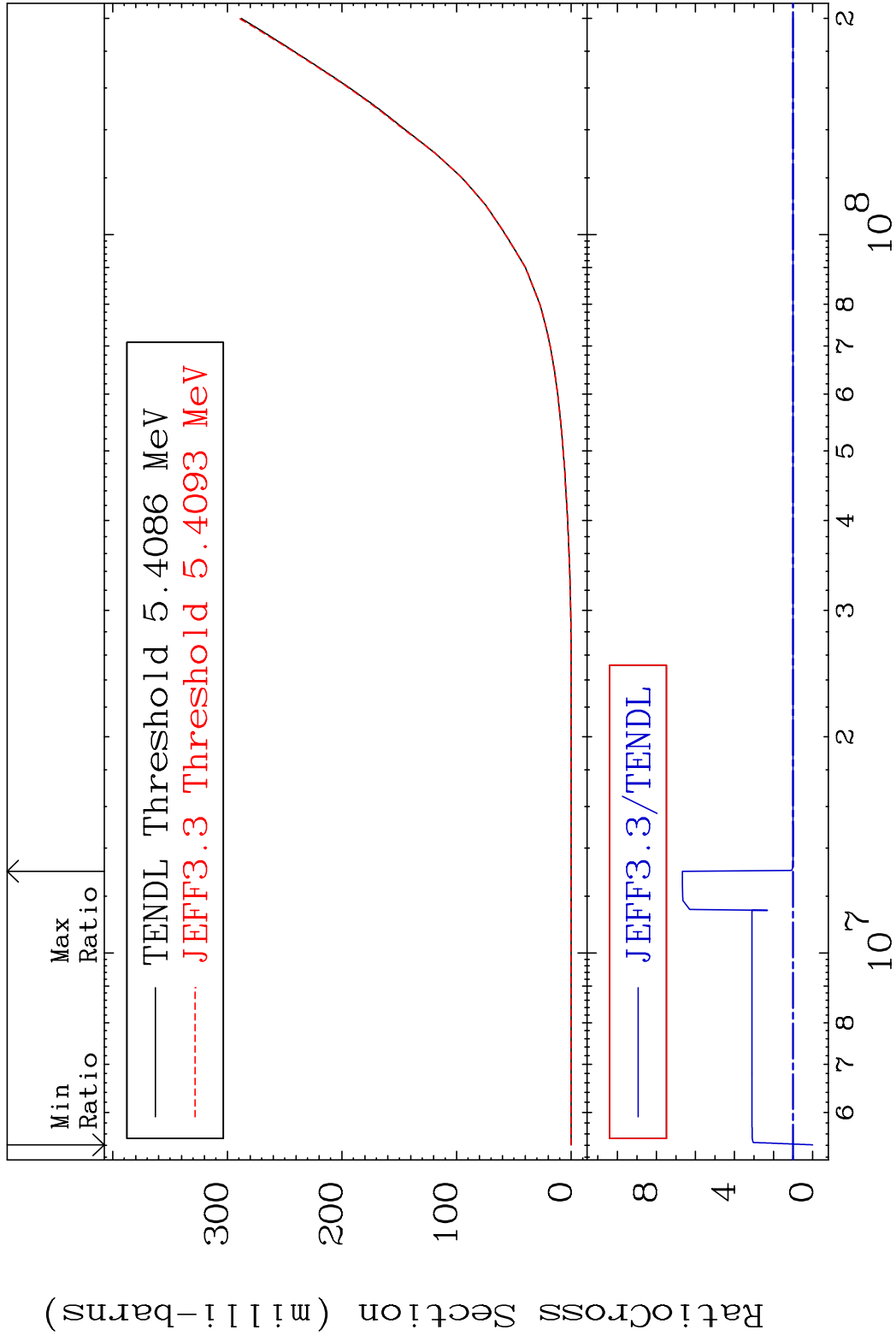
73-Ta-180m

MAT 7326

He-3 Production

73-Ta-180m

Cross Section -100.0 To 567.2 %



51

Incident Energy (eV)

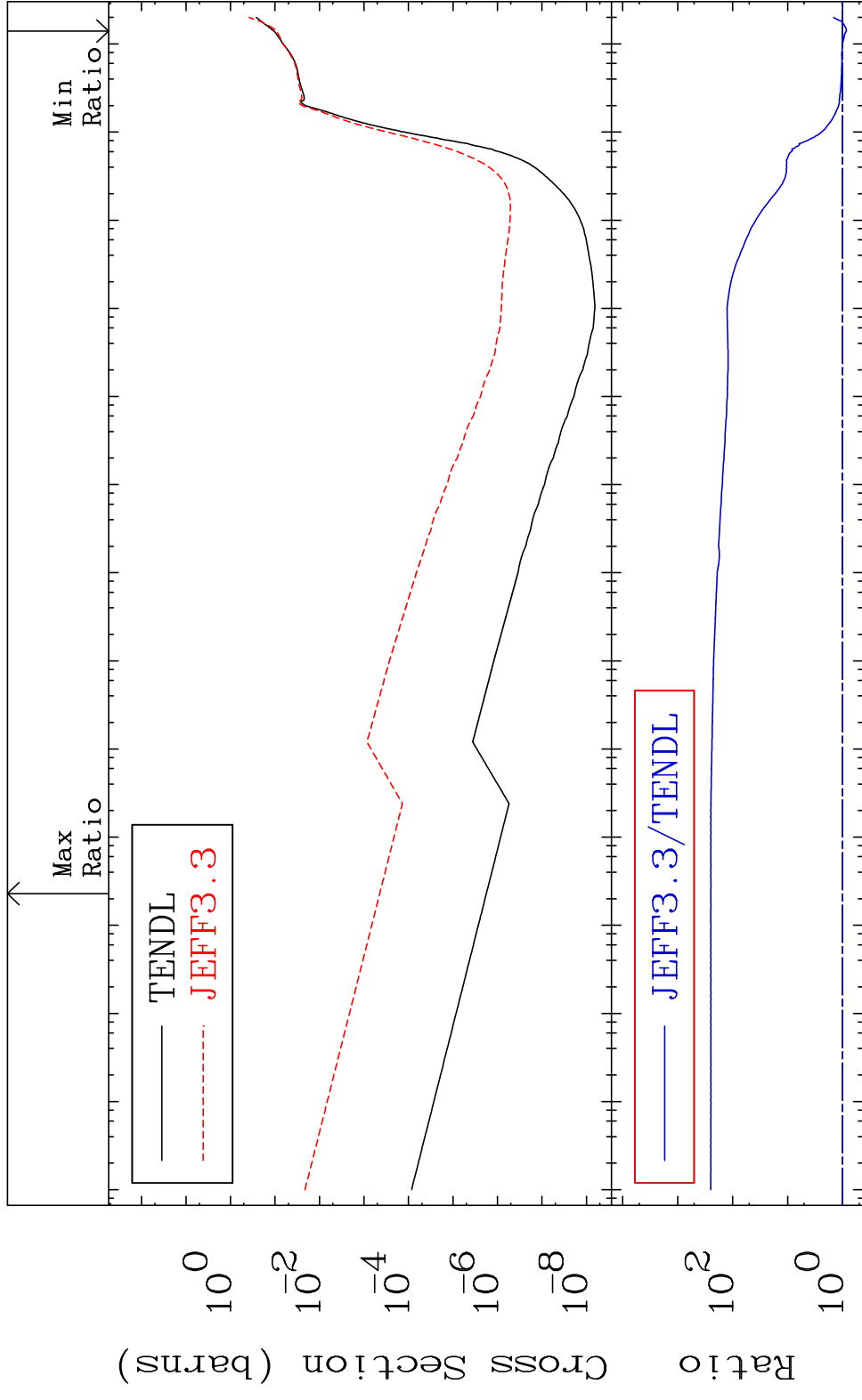
73-Ta-180m

MAT 7326

He-4 Production

73-Ta-180m

Cross Section -14.58 To 9999. %

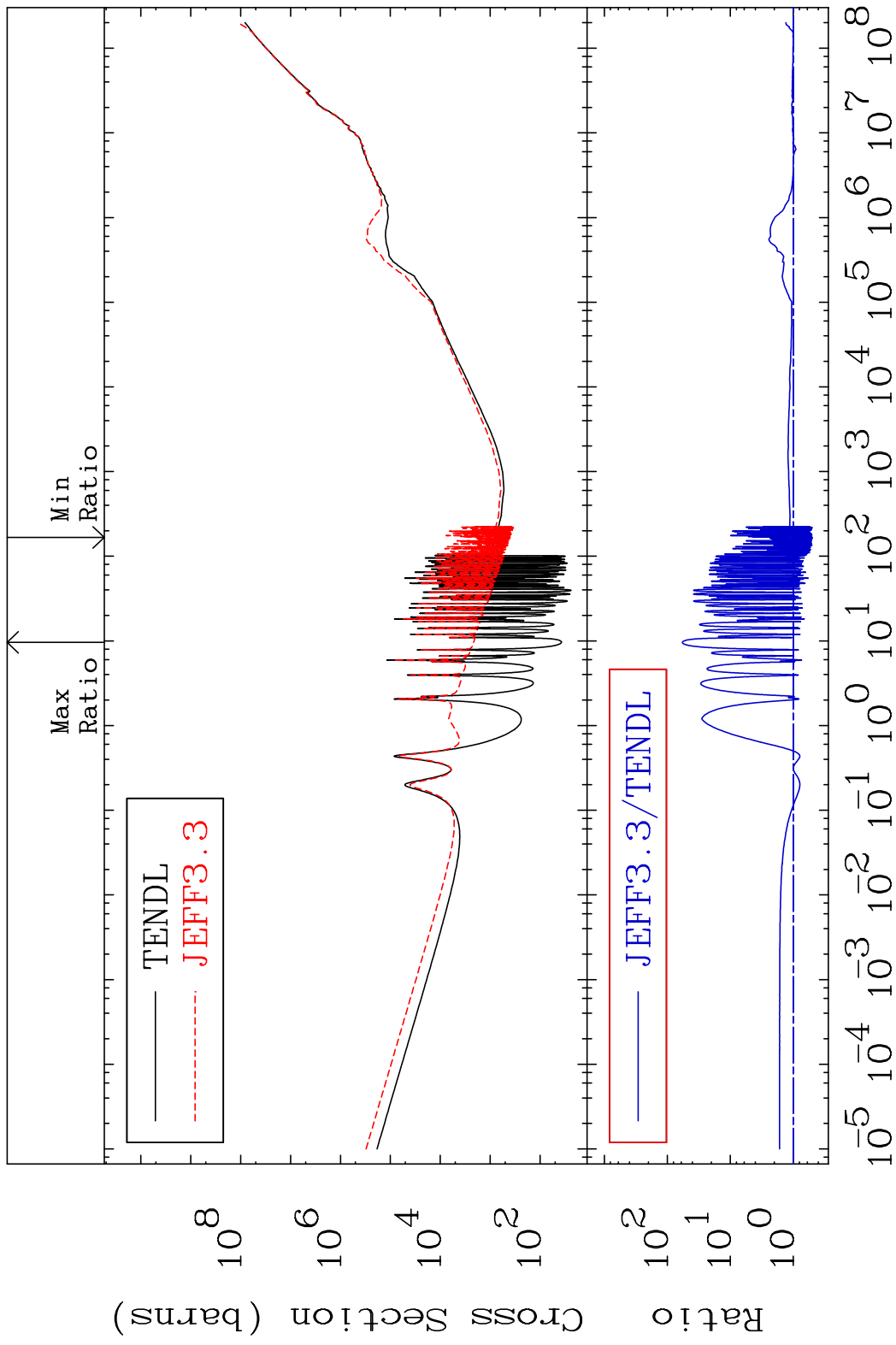


52

Incident Energy (eV)

73-Ta-180m

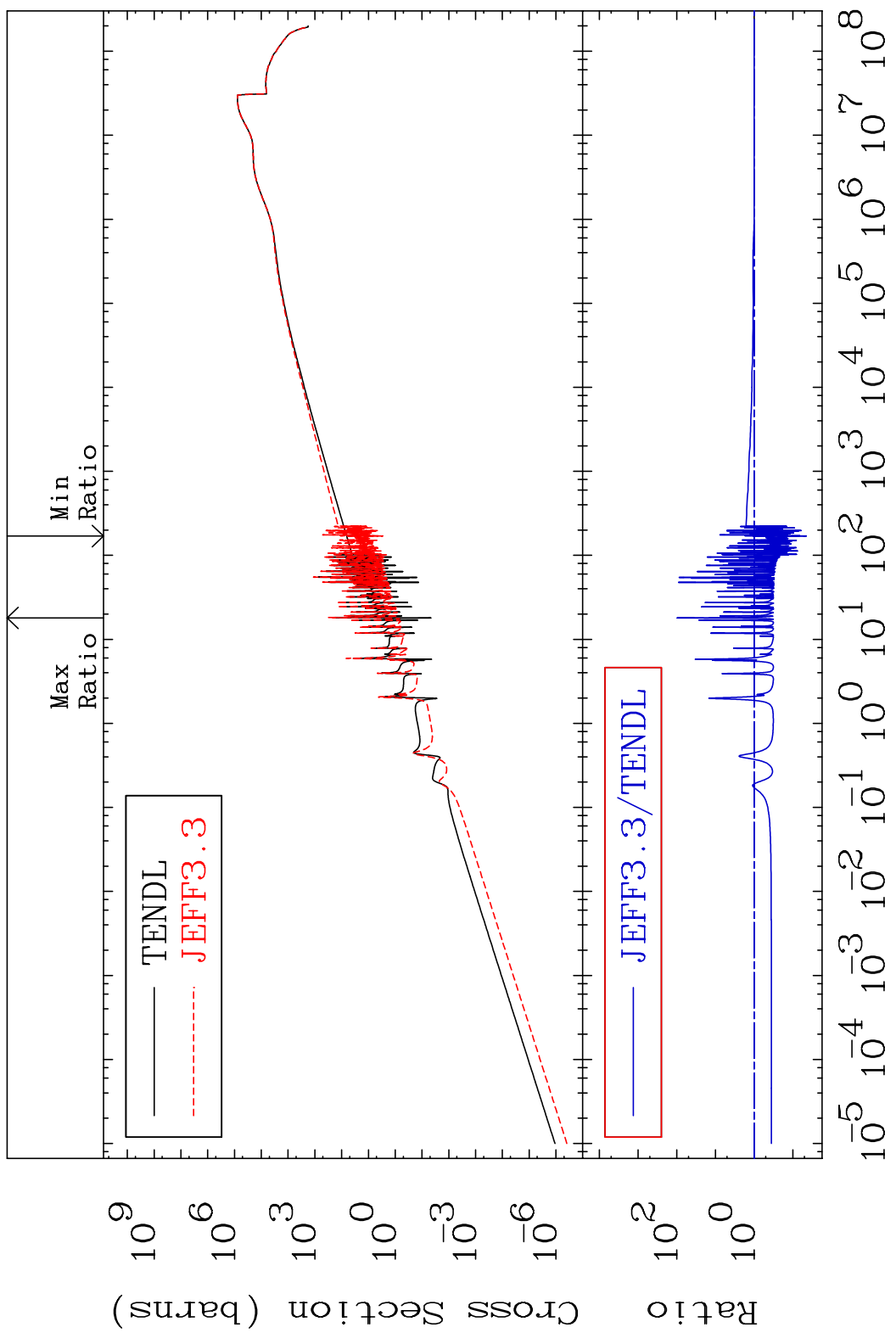
MAT 7326 Kerma total (eV-barns) 73-Ta-180m  
 Cross Section -50.54 To 5670. %



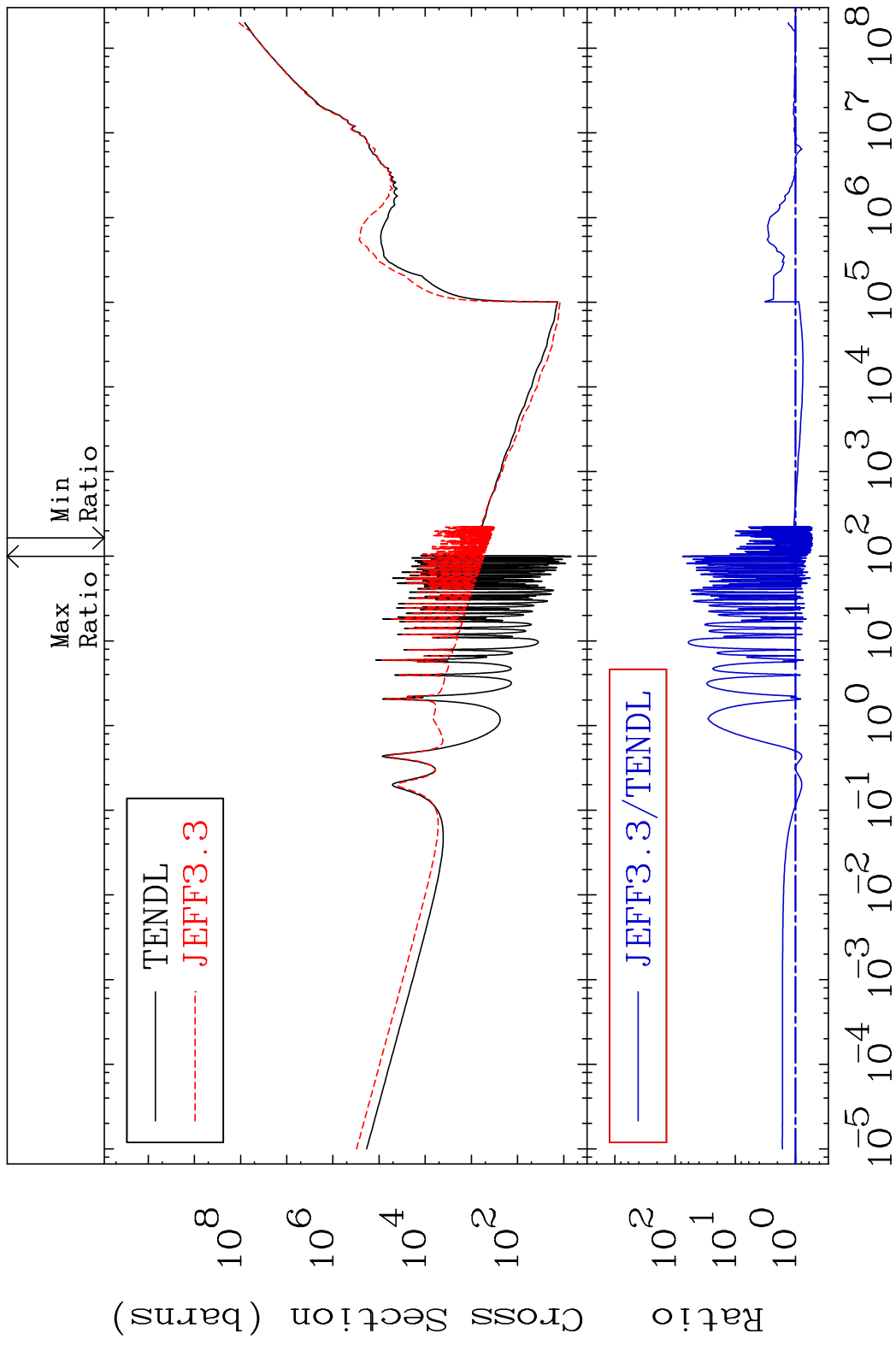
53 Incident Energy (eV) 73-Ta-180m

MAT 7326

Kerma elastic Cross Section -95.55 To 9679. %  
73-Ta-180m



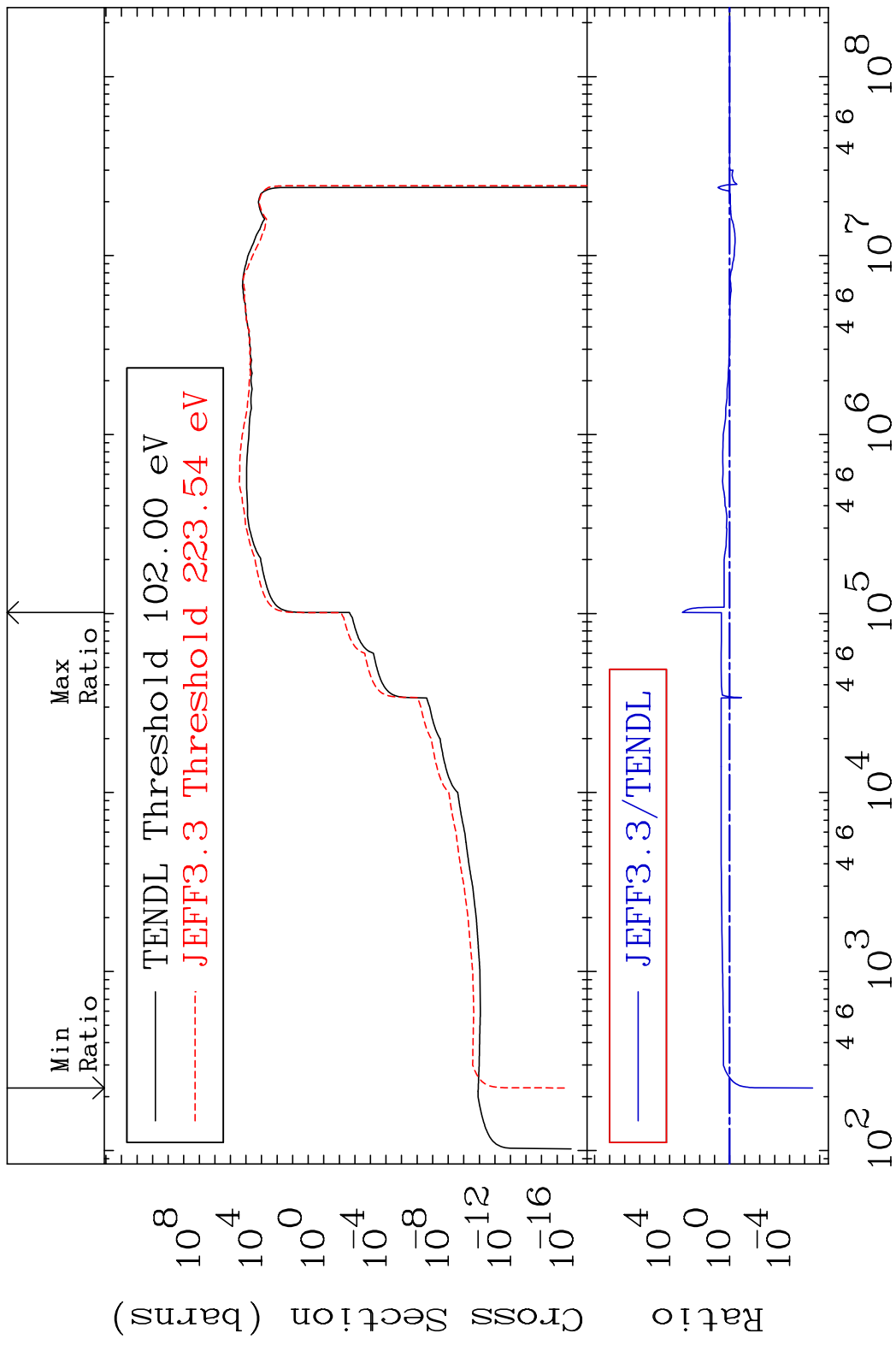
MAT 7326 Kerma non-elastic (all but mt2) 73-Ta-180m  
 Cross Section -47.89 To 7474. %



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

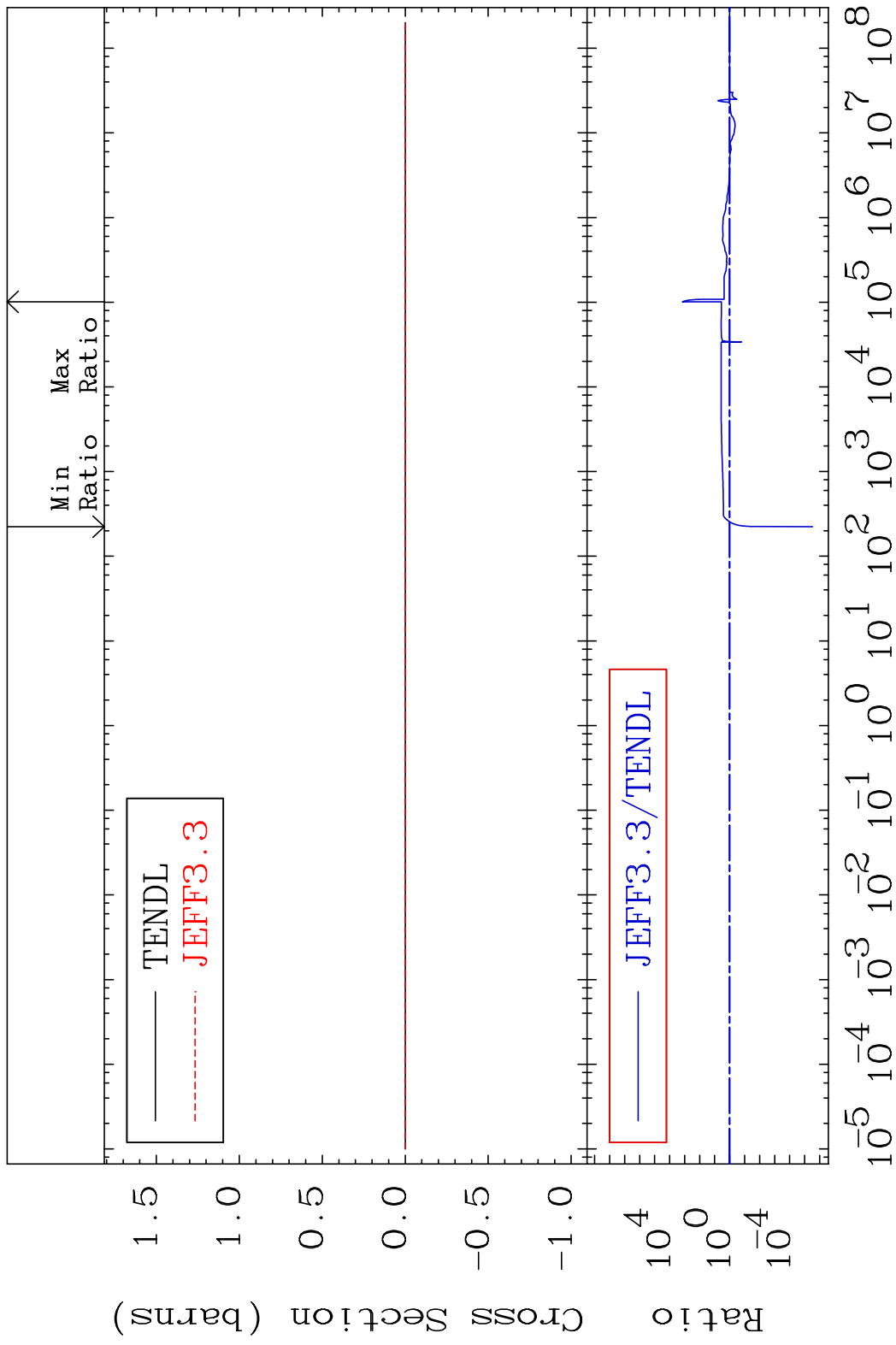


MAT 7326 Kerma inelastic (mt51-91) 73-Ta-180m  
 Cross Section -100.0 To 9999. %



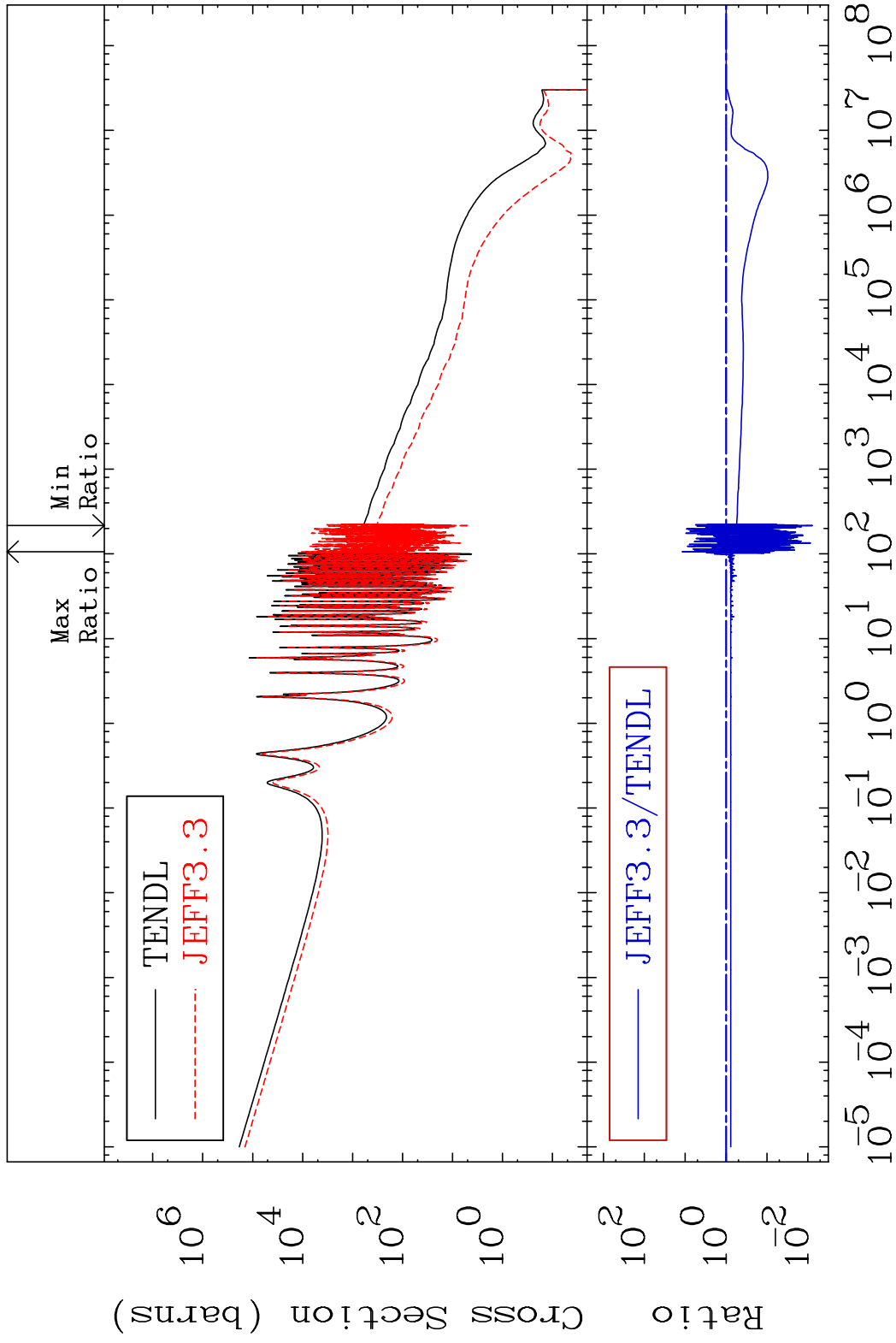
56 Incident Energy (eV) 73-Ta-180m

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 -99.23 To 1072. %

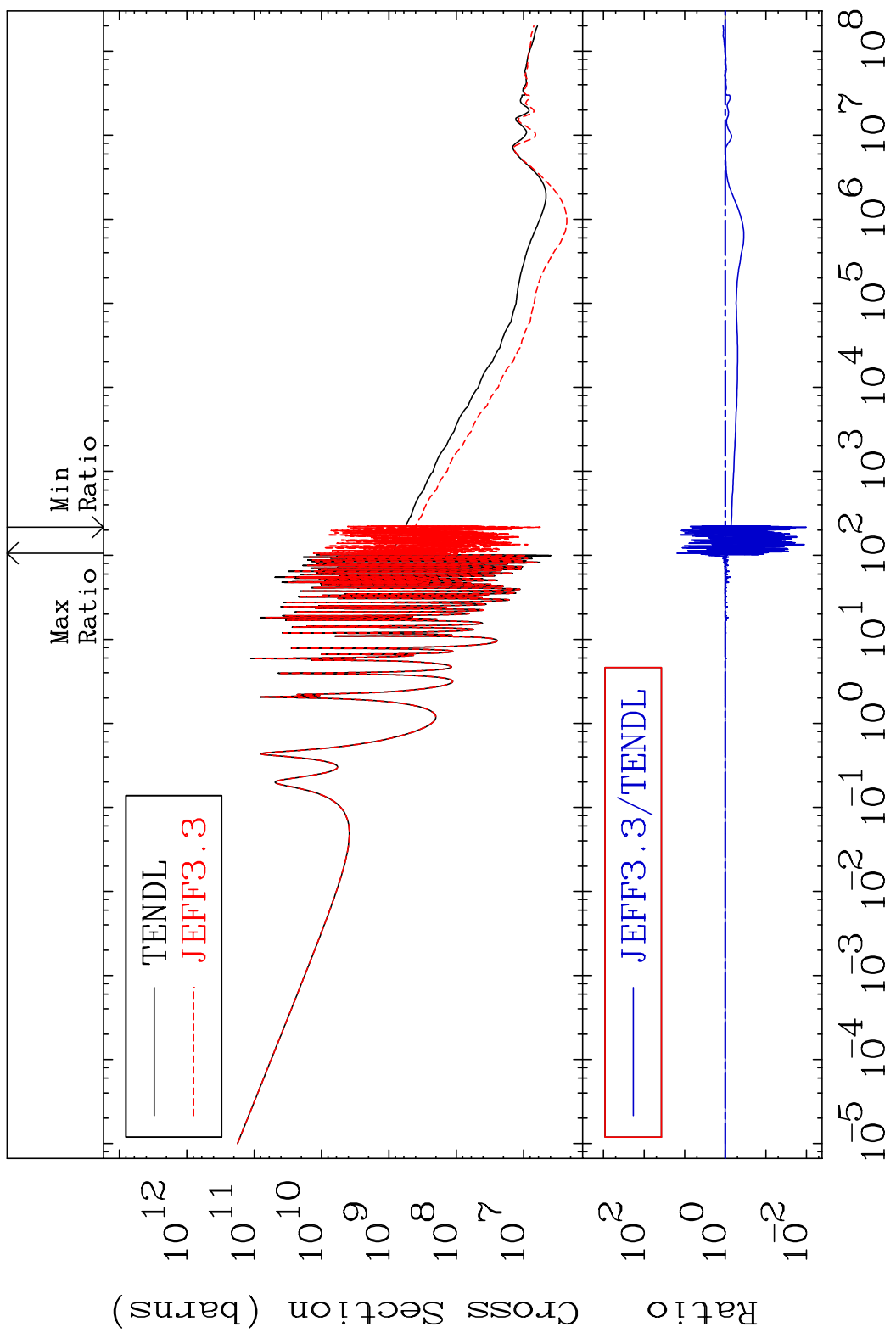


58

Incident Energy (eV) 73-Ta-180m

MAT 7326

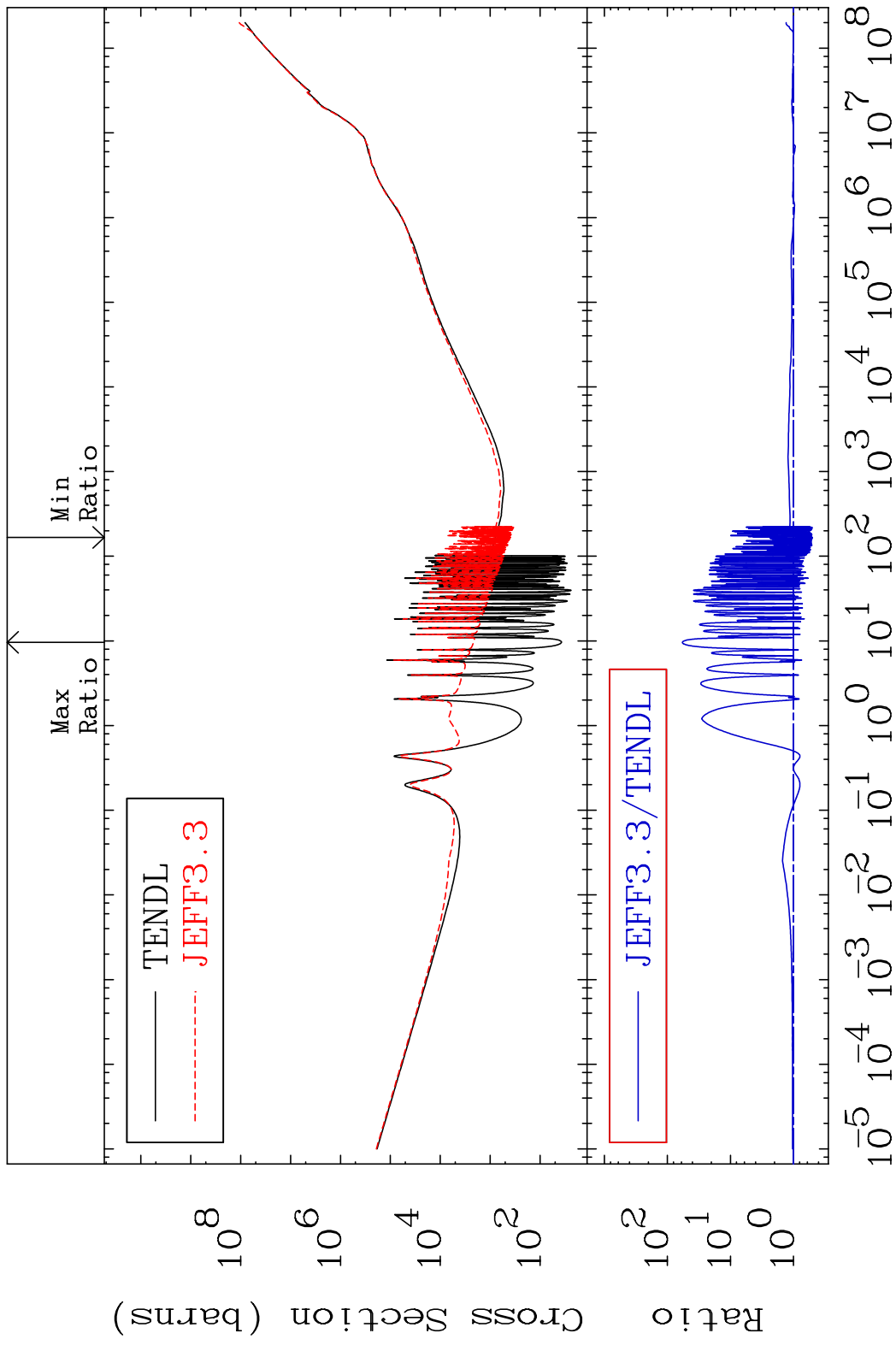
Total photon (eV-barns) 73-Ta-180m  
Cross Section -99.00 To 1429. %



59

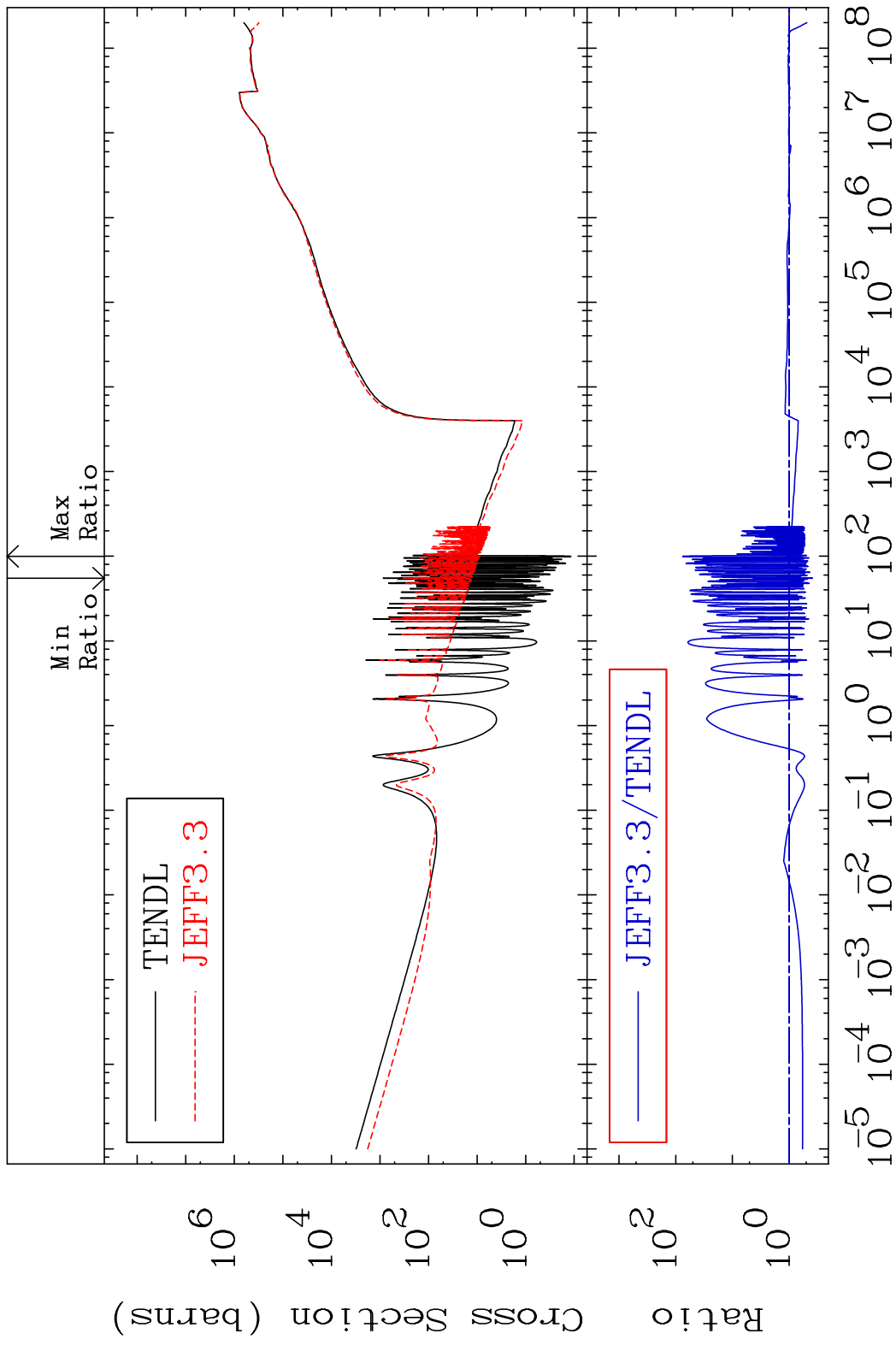
Incident Energy (eV) 73-Ta-180m

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



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

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



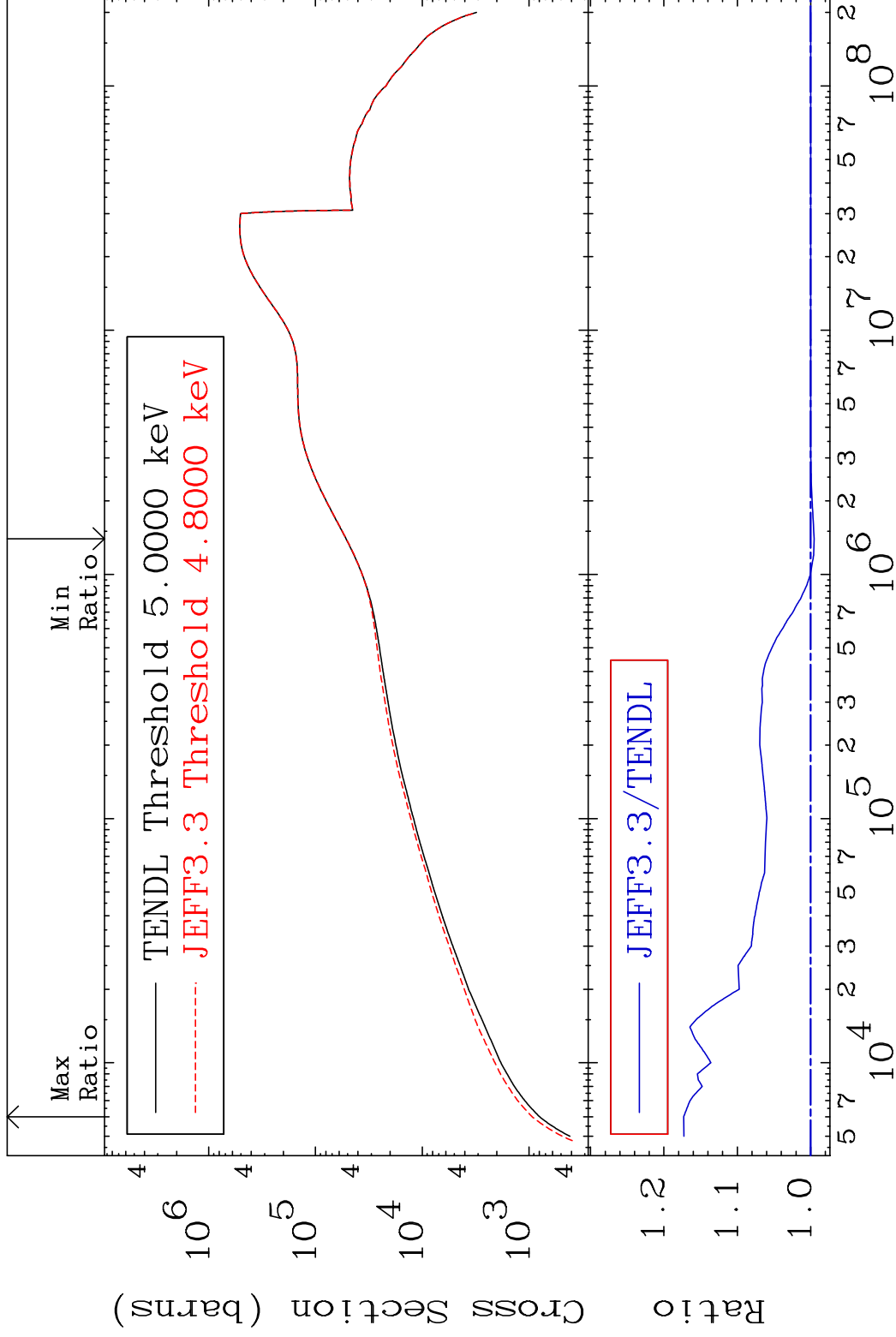
61 Incident Energy (eV) 73-Ta-180m

MAT 7326

Dpa elastic (mt2)

73-Ta-180m

Cross Section -0.468 To 17.31 %

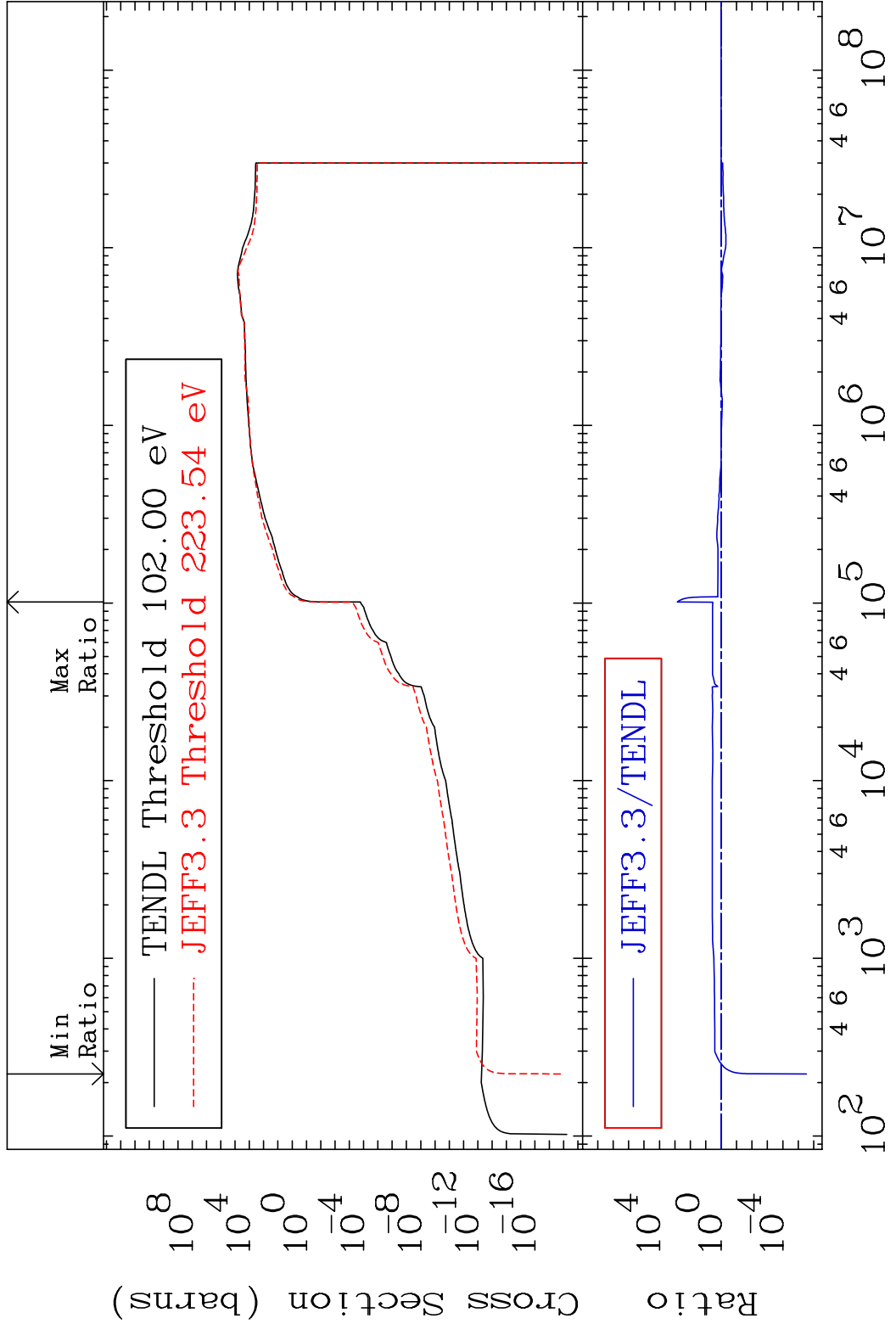


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Incident Energy (eV)

73-Ta-180m

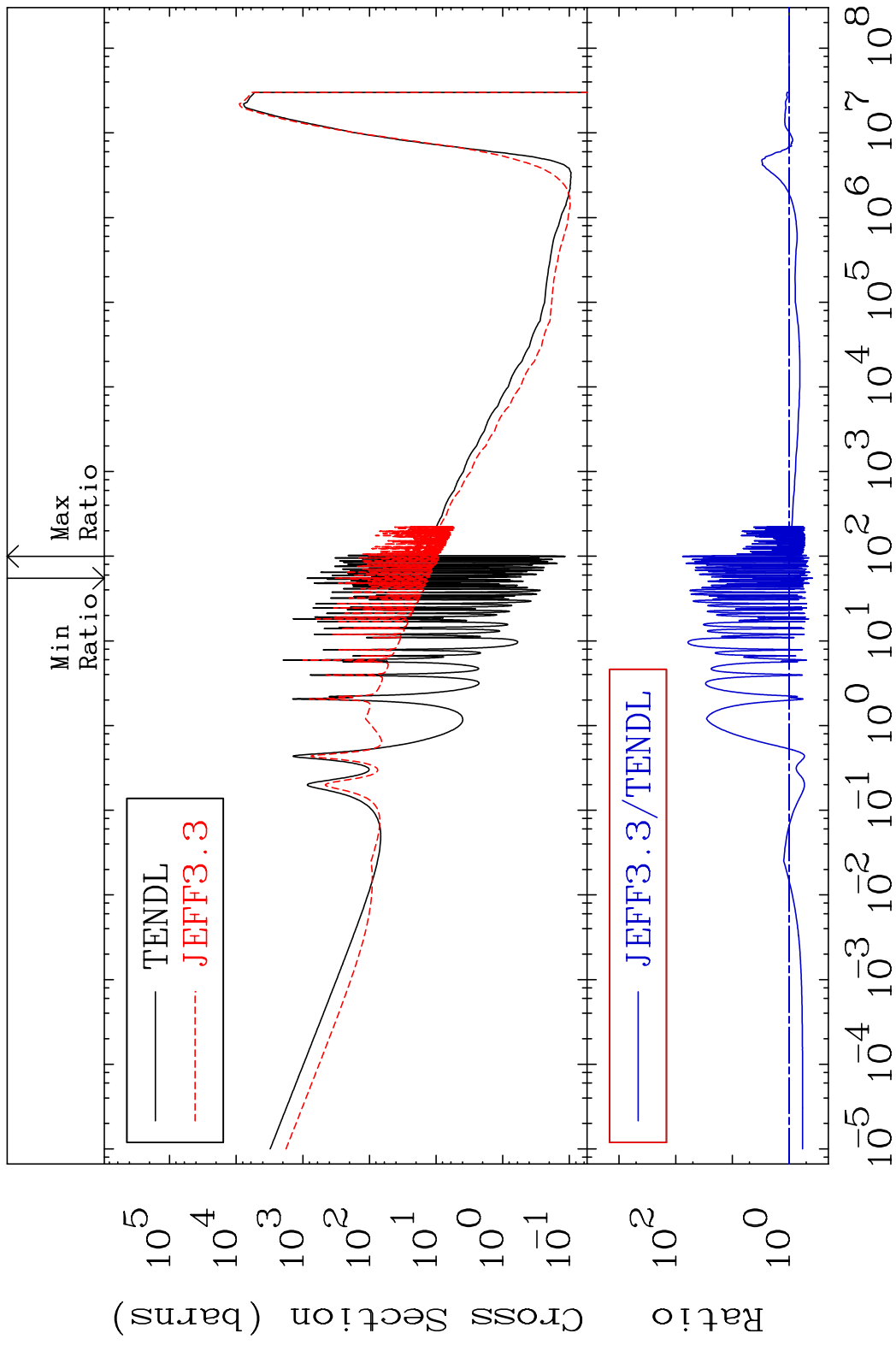
MAT 7326 Dpa inelastic (mt51-91) 73-Ta-180m  
 Cross Section -100.0 To 9999. %



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

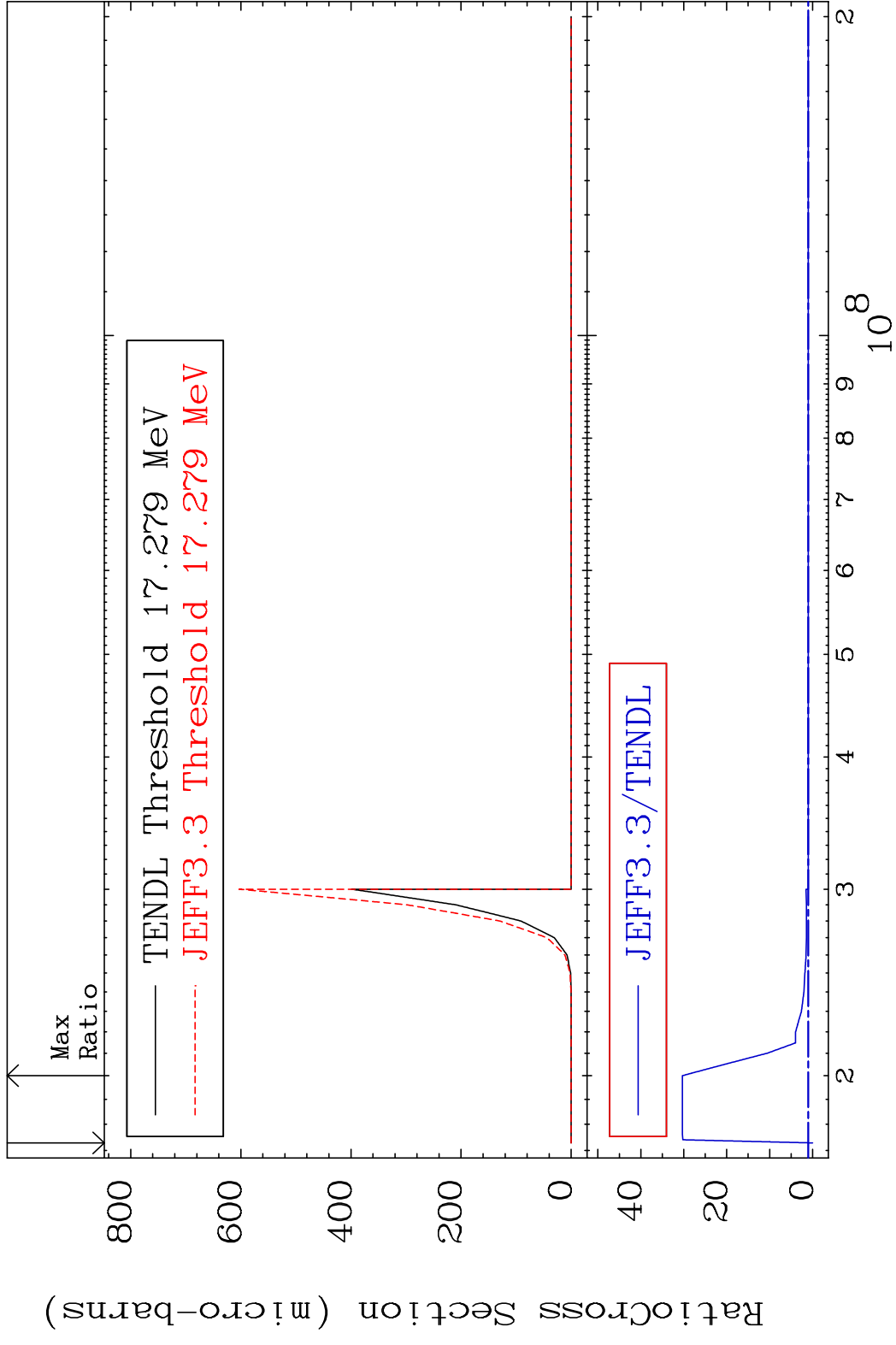


MAT 7326 Dpa disappearance (mt102 -120) 73-Ta-180m  
 Cross Section -61.30 To 7539. %

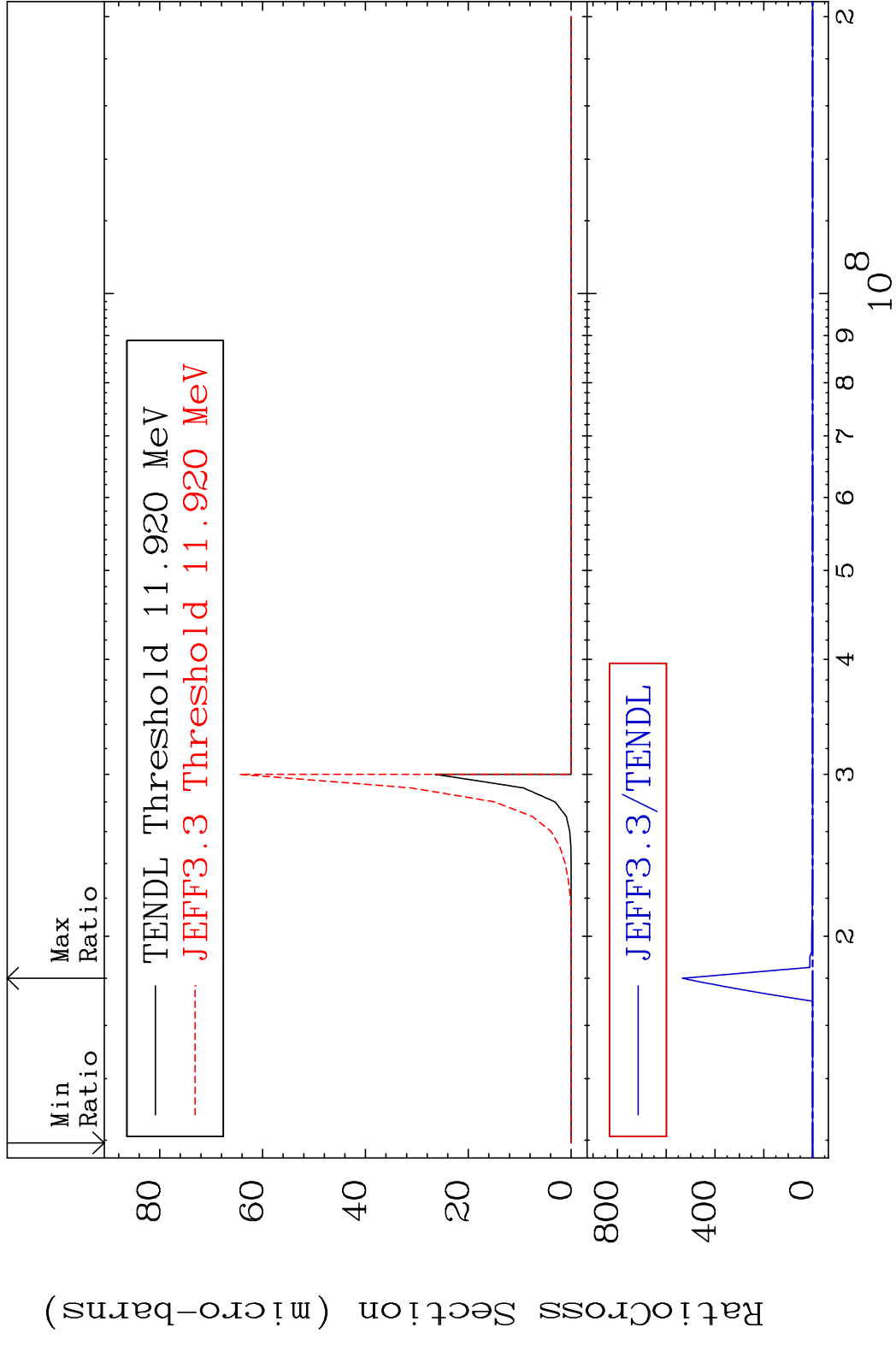


64 Incident Energy (eV) 73-Ta-180m

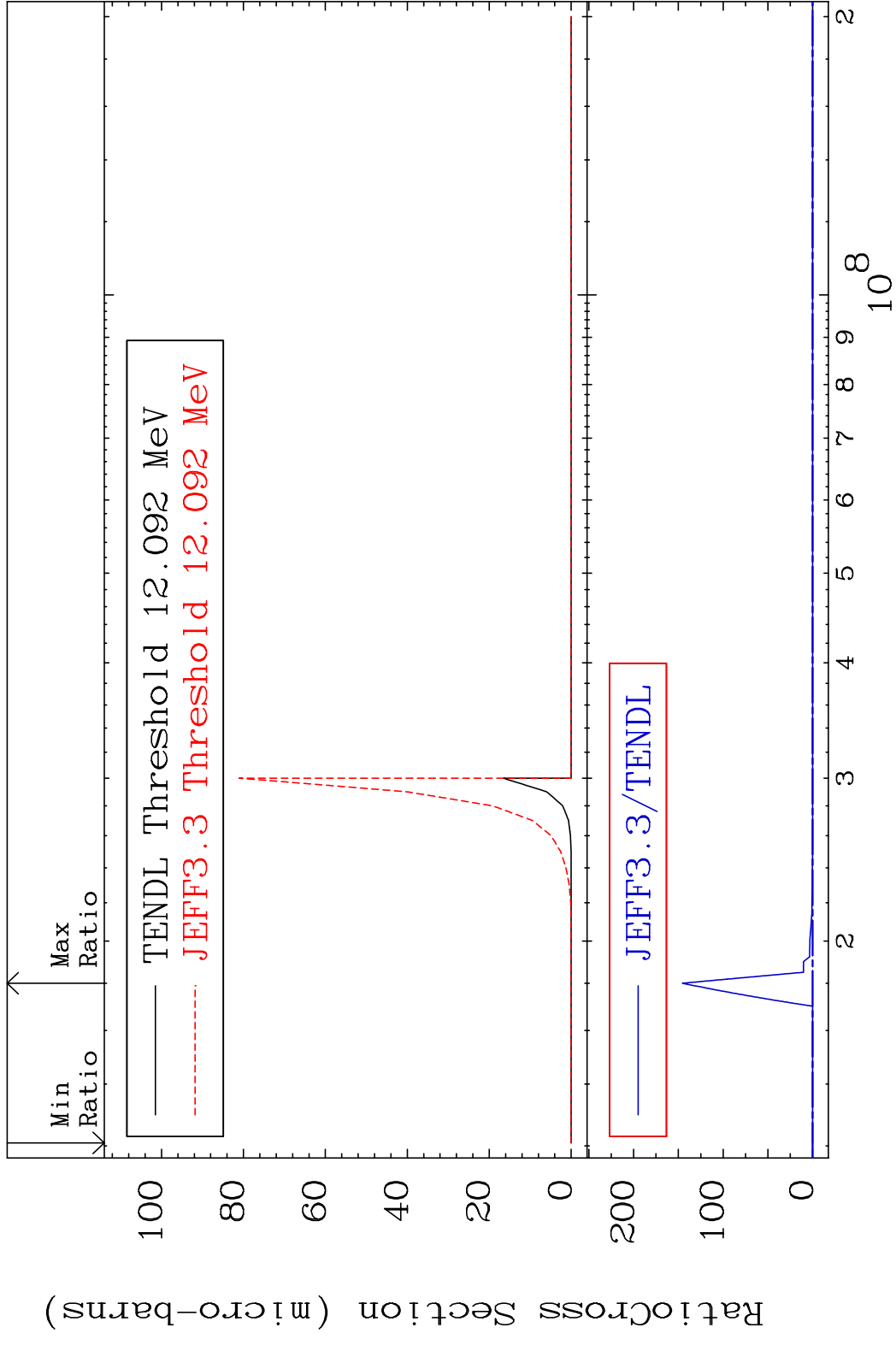
MAT 7326 (n,2n) d:72-Hf-177g 73-Ta-180m  
 Radionuclide Production Cross Section 1800.0 dth 2932. %



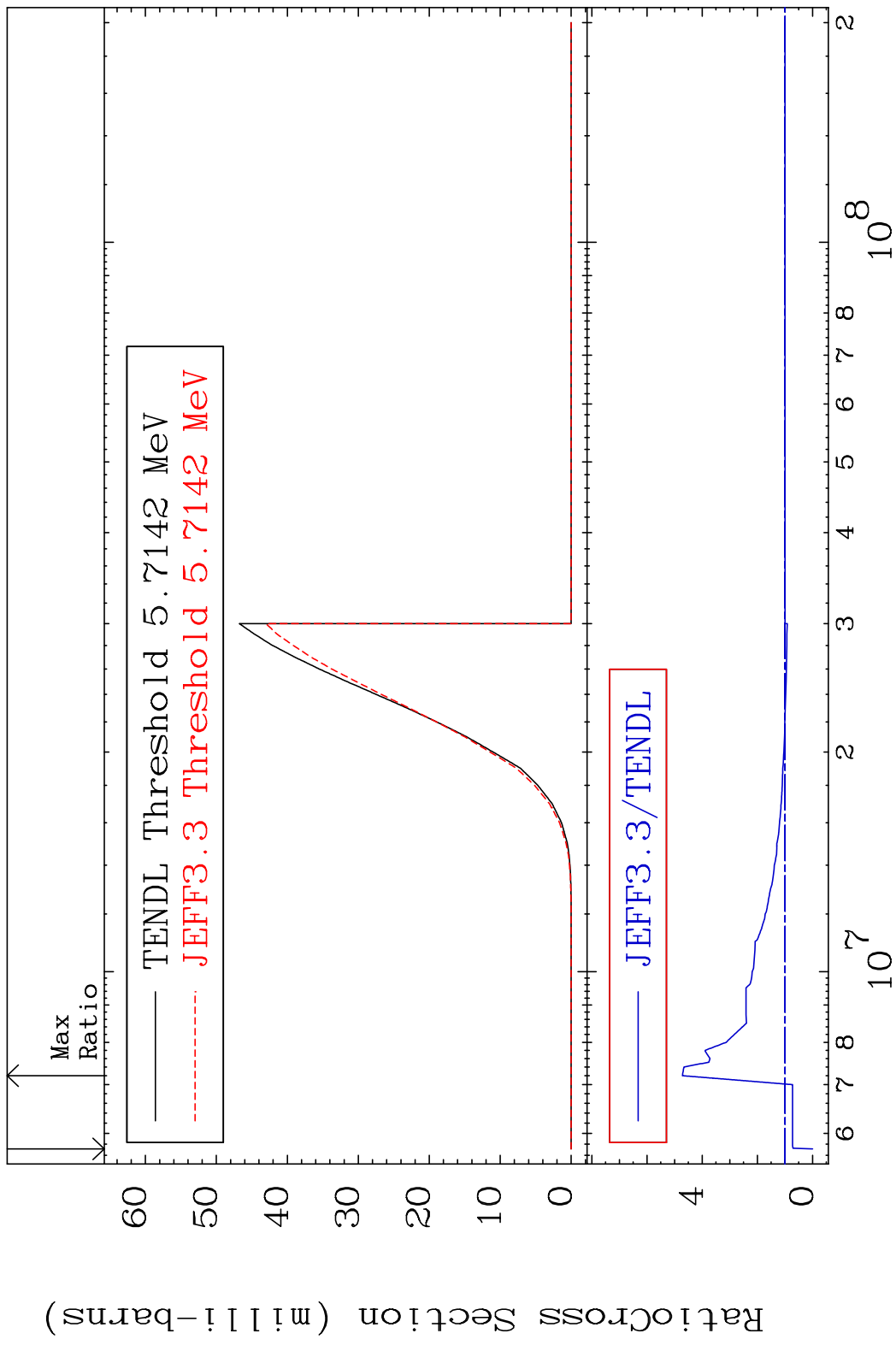
MAT 7326 (n,3n)  $\alpha$ :71-Lu-174g 73-Ta-180m  
 Radionuclide Production Cross Section 18000 dth 9999. %



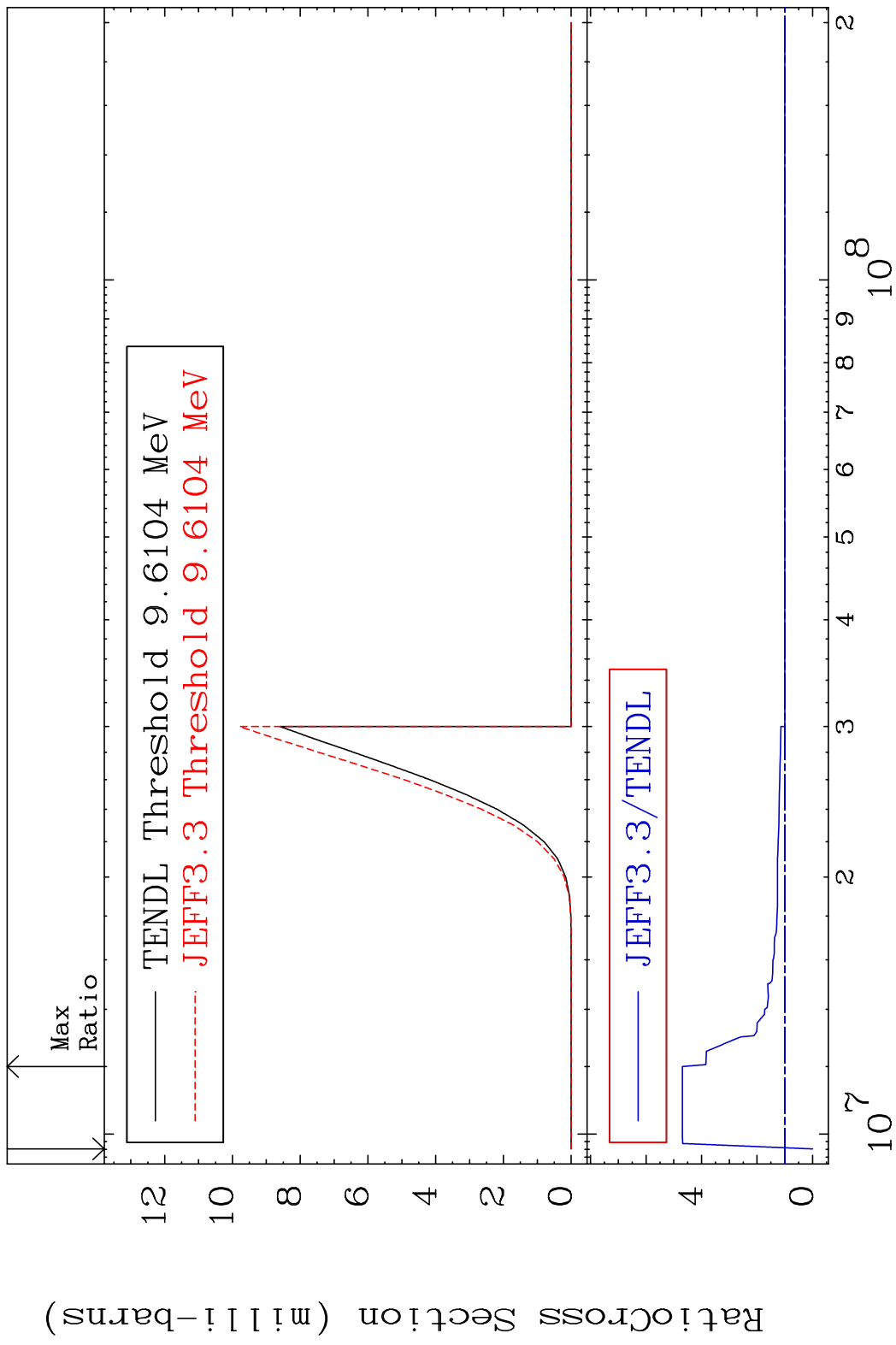
MAT 7326 (n,3n)  $\alpha$ :71-Lu-174m3 73-Ta-180m  
 Radionuclide Production Cross Section 180000 to 9999. %



MAT 7326 (n, n') p:72-Hf-179g 73-Ta-180m  
 Radionuclide Production Cross Section 1800.0 dth 371.9 %

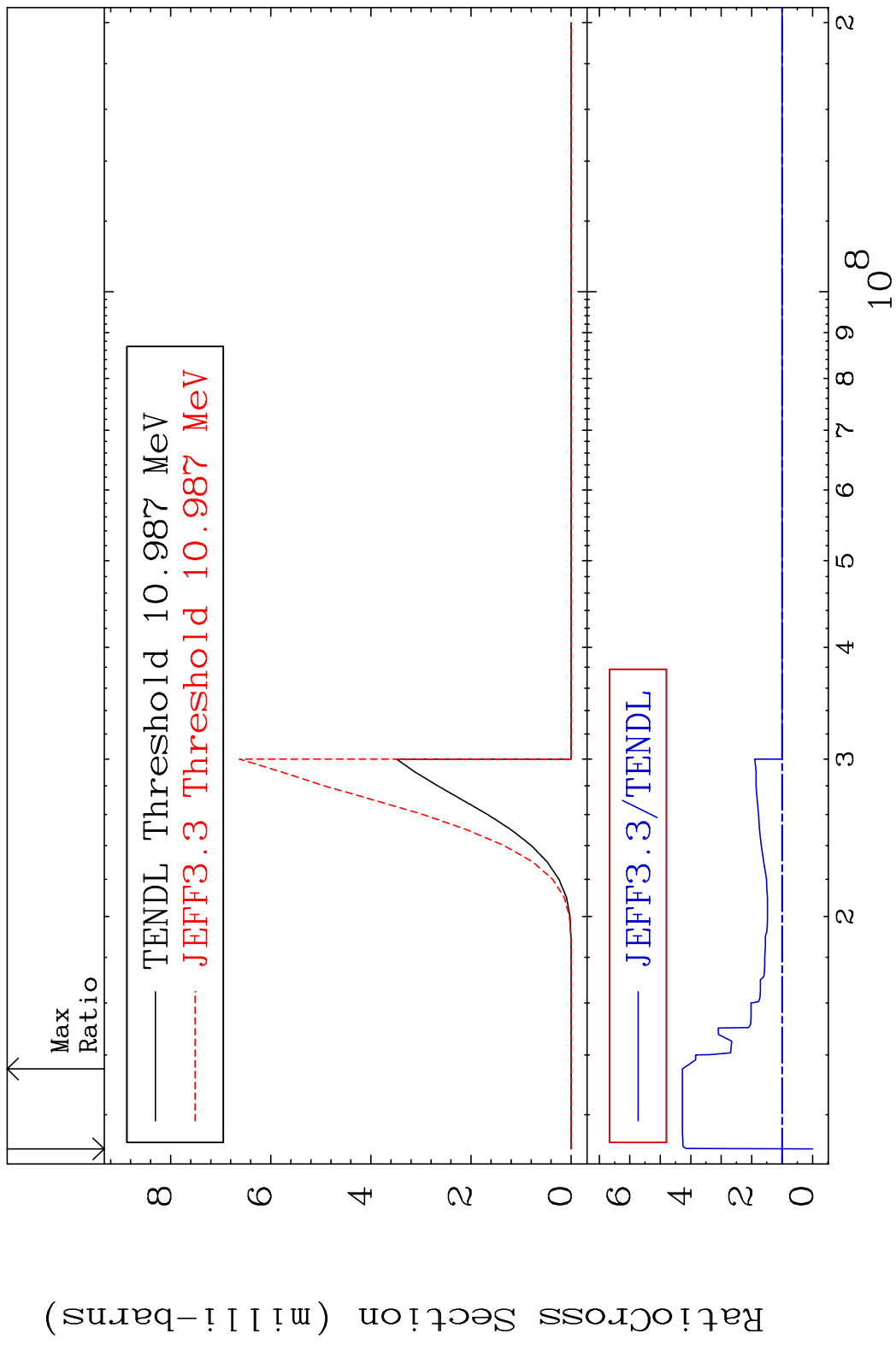


MAT 7326 (n, n') d:72-Hf-178g 73-Ta-180m  
 Radionuclide Production Cross Section 180.01 dth 369.2 %

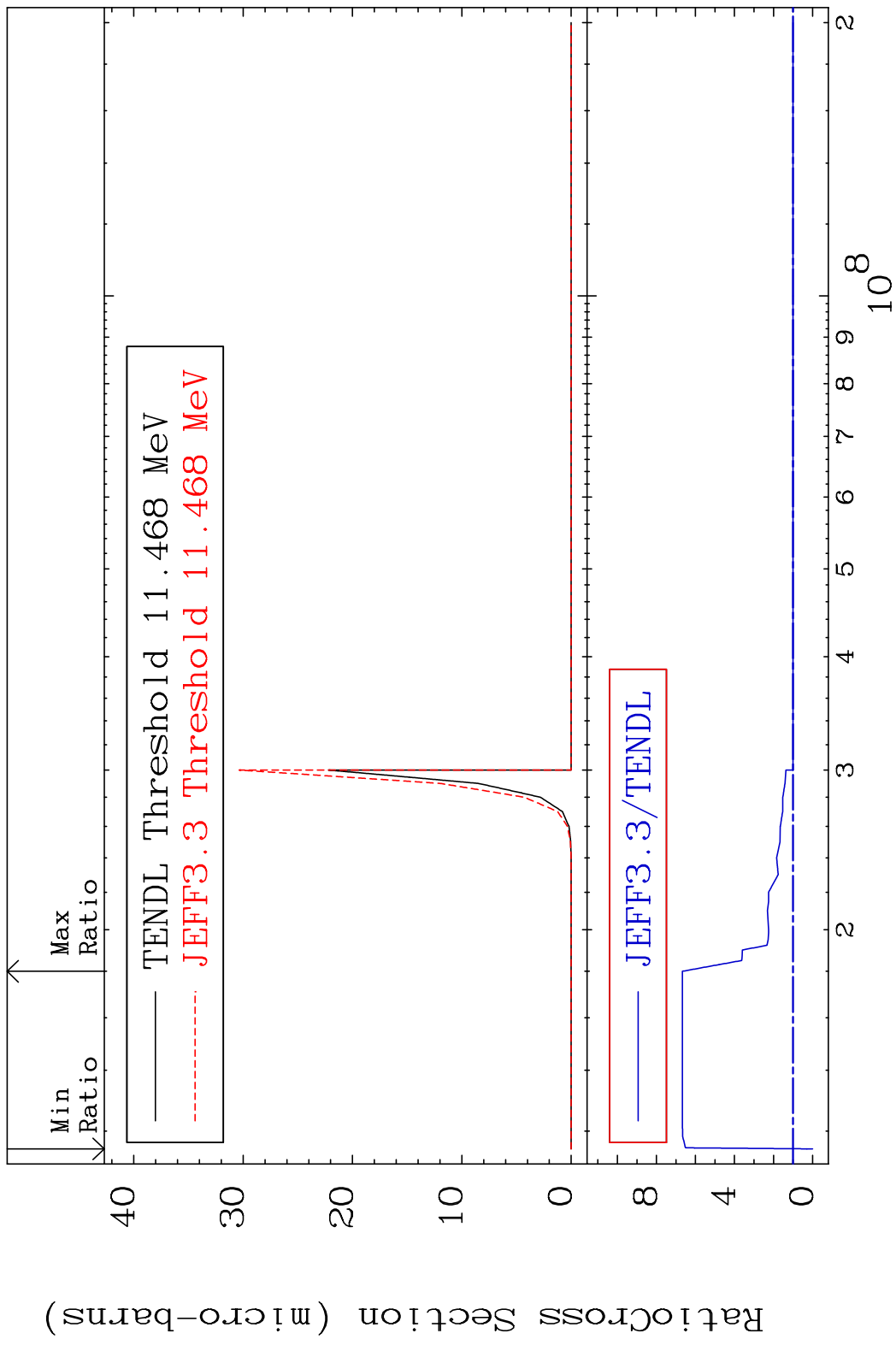


69 Incident Energy (eV) 73-Ta-180m

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



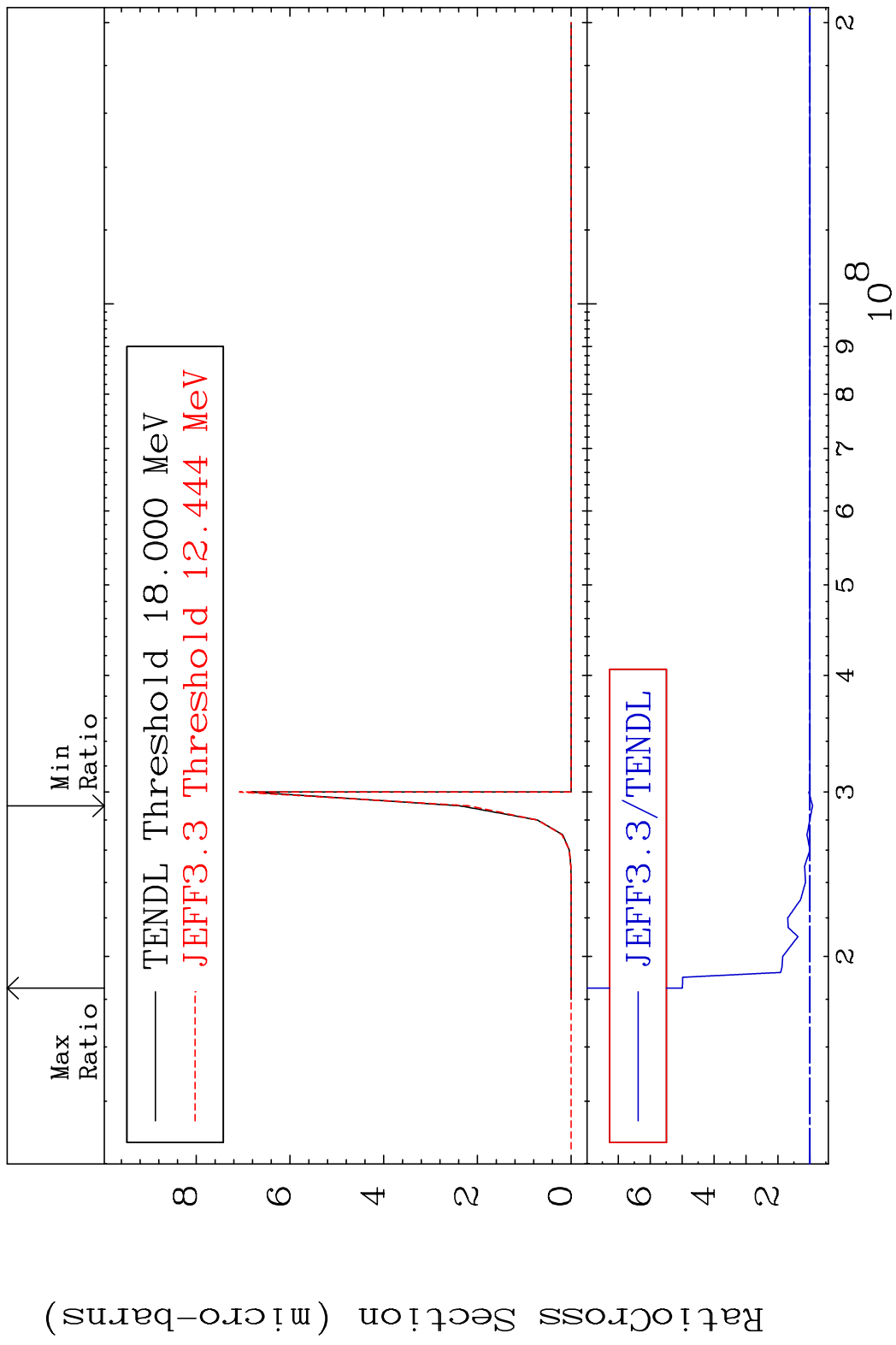
MAT 7326 (n, n') He-3:71-Lu-177g 73-Ta-180m  
 Radionuclide Production Cross Section Ratio 567.2 %



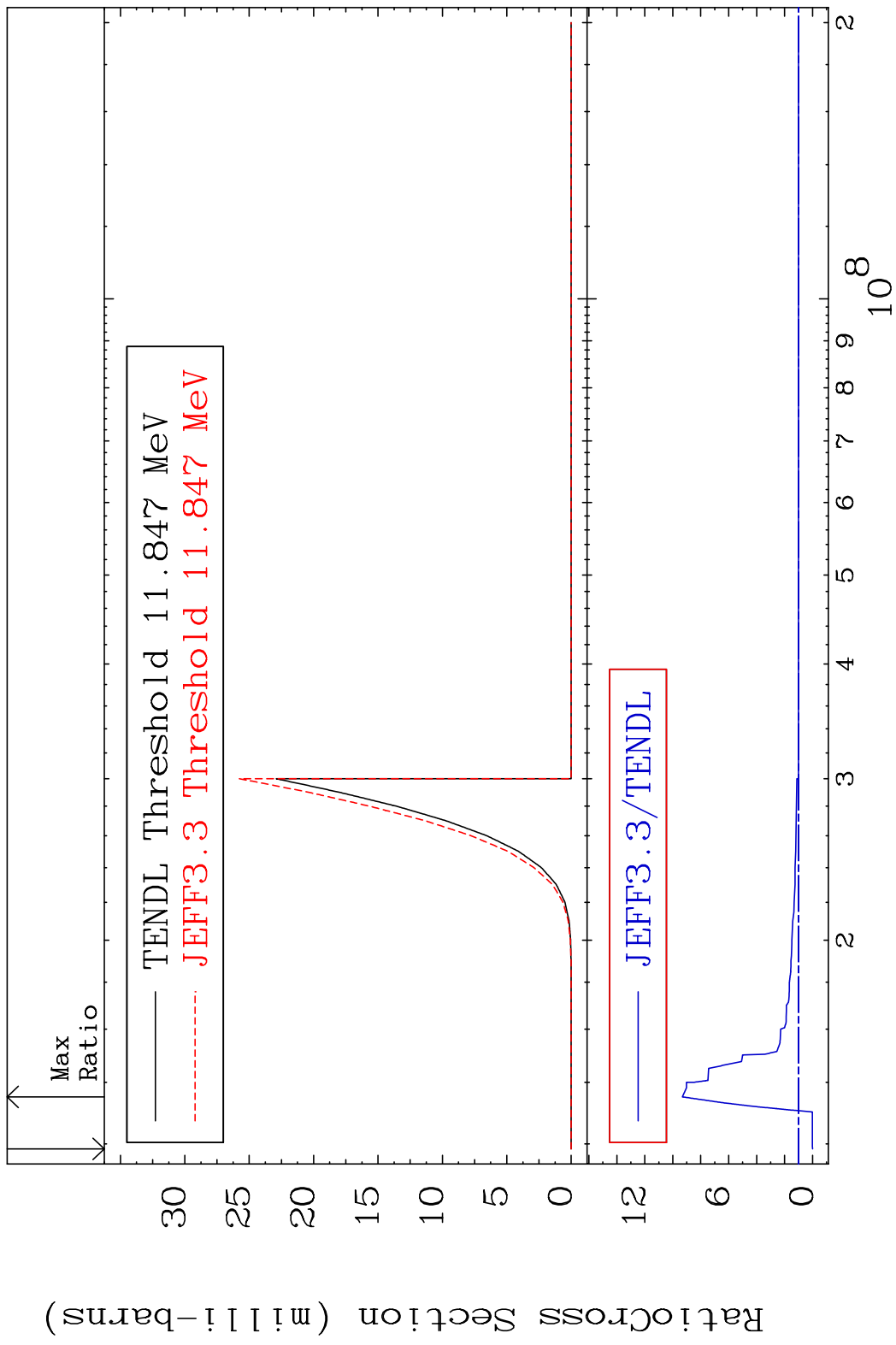
71 Incident Energy (eV) 73-Ta-180m



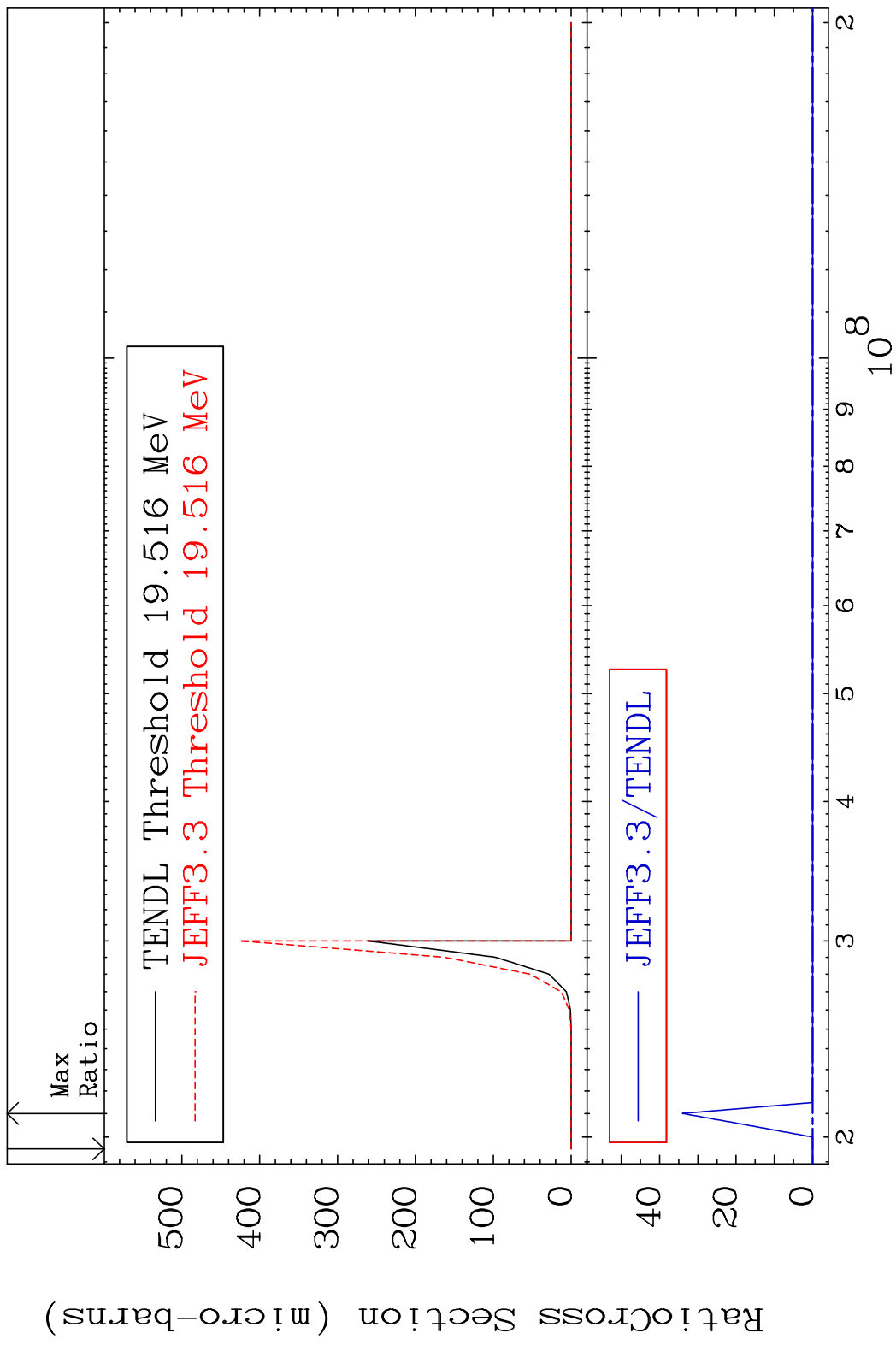
MAT 7326 (n, n') He-3:71-Lu-177m29 73-Ta-180m  
 Radionuclide Production Cross Section to 399.4 %



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



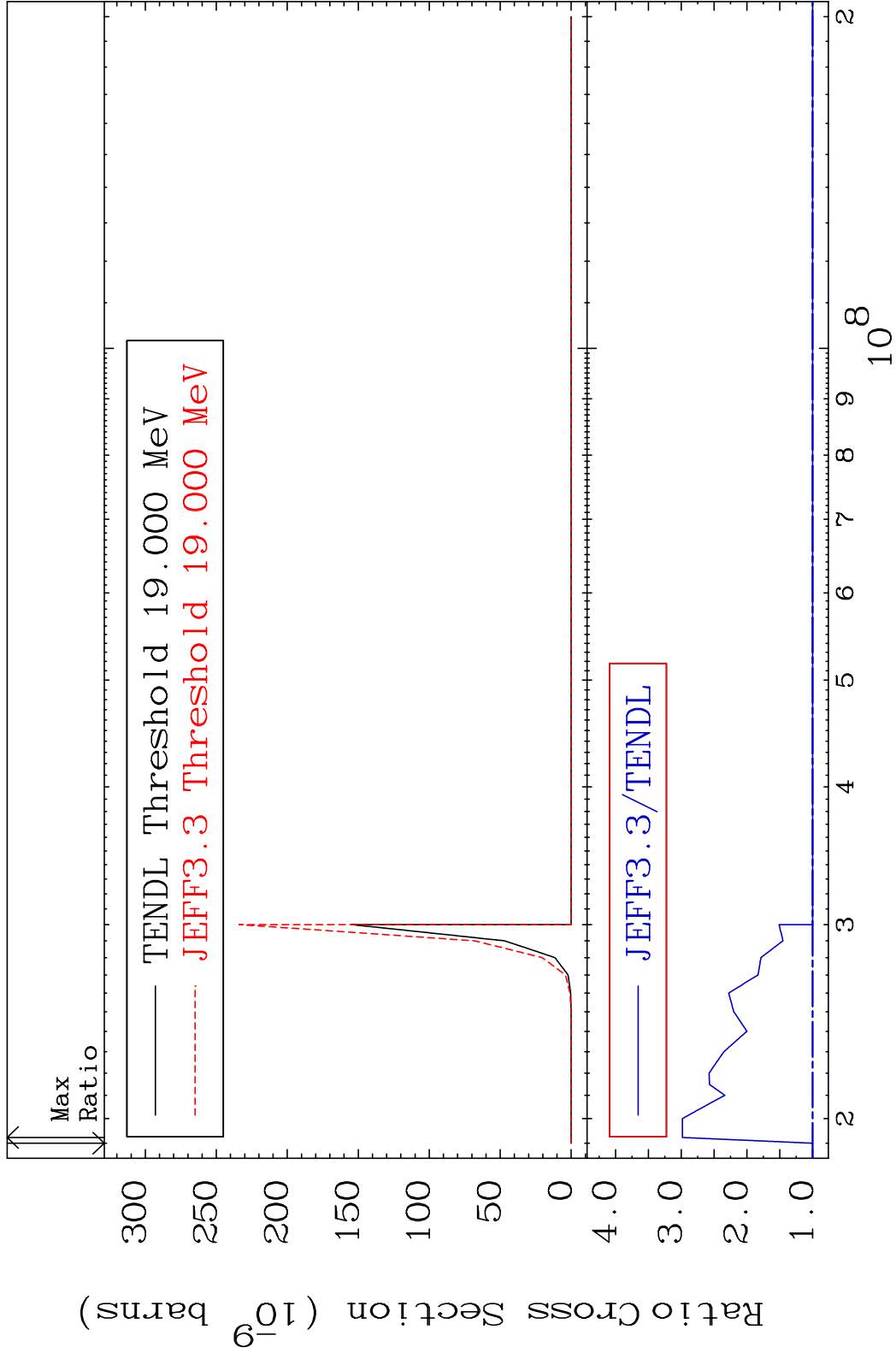
MAT 7326 (n,3n) p:72-Hf-177g 73-Ta-180m  
 Radionuclide Production Cross Section 18000 dtd 9999. %



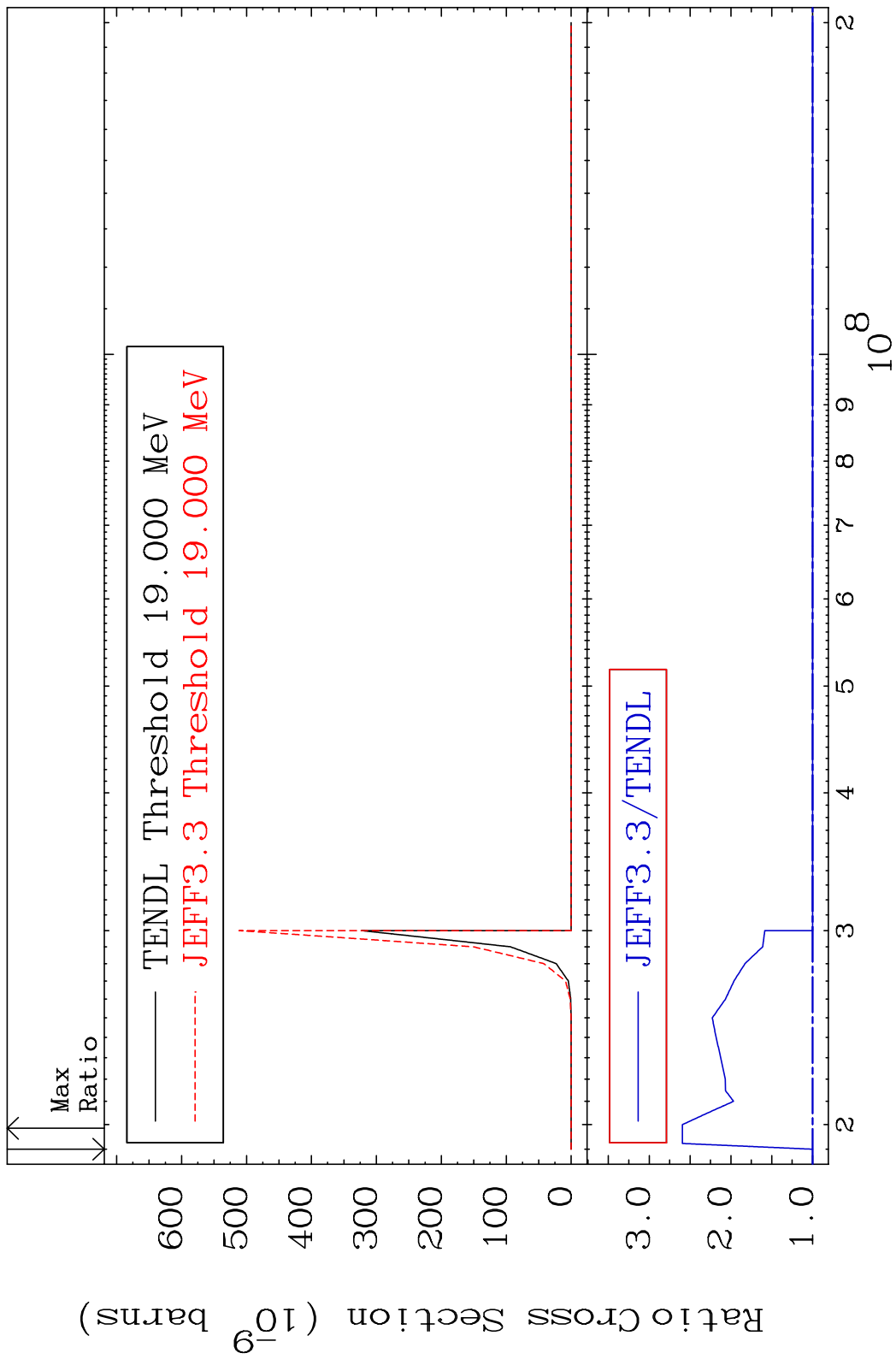
74

Incident Energy (eV) 73-Ta-180m

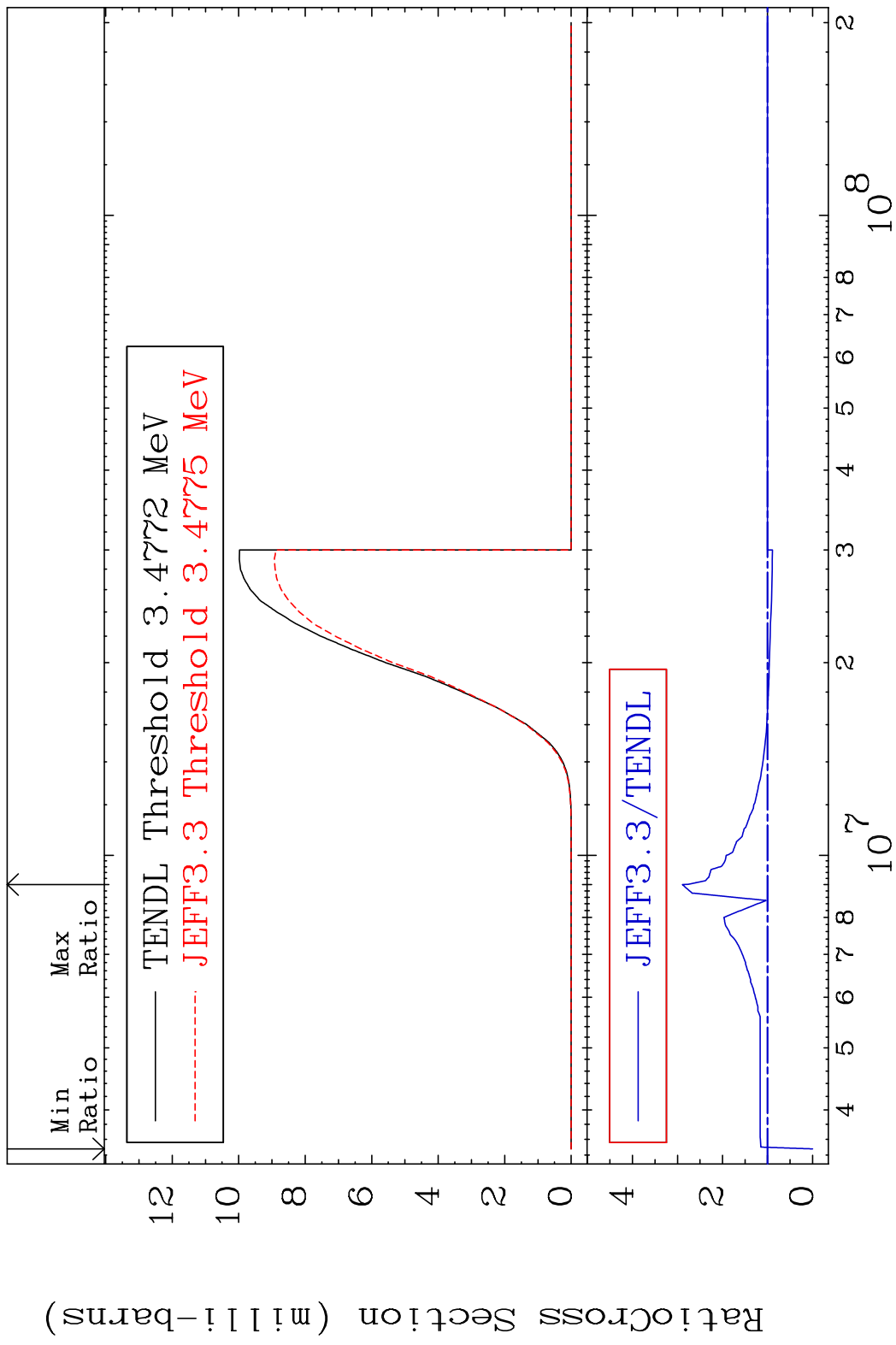
MAT 7326 (n,2n) p:71-Lu-178g 73-Ta-180m  
 Radionuclide Production Cross Section 198.3 %



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

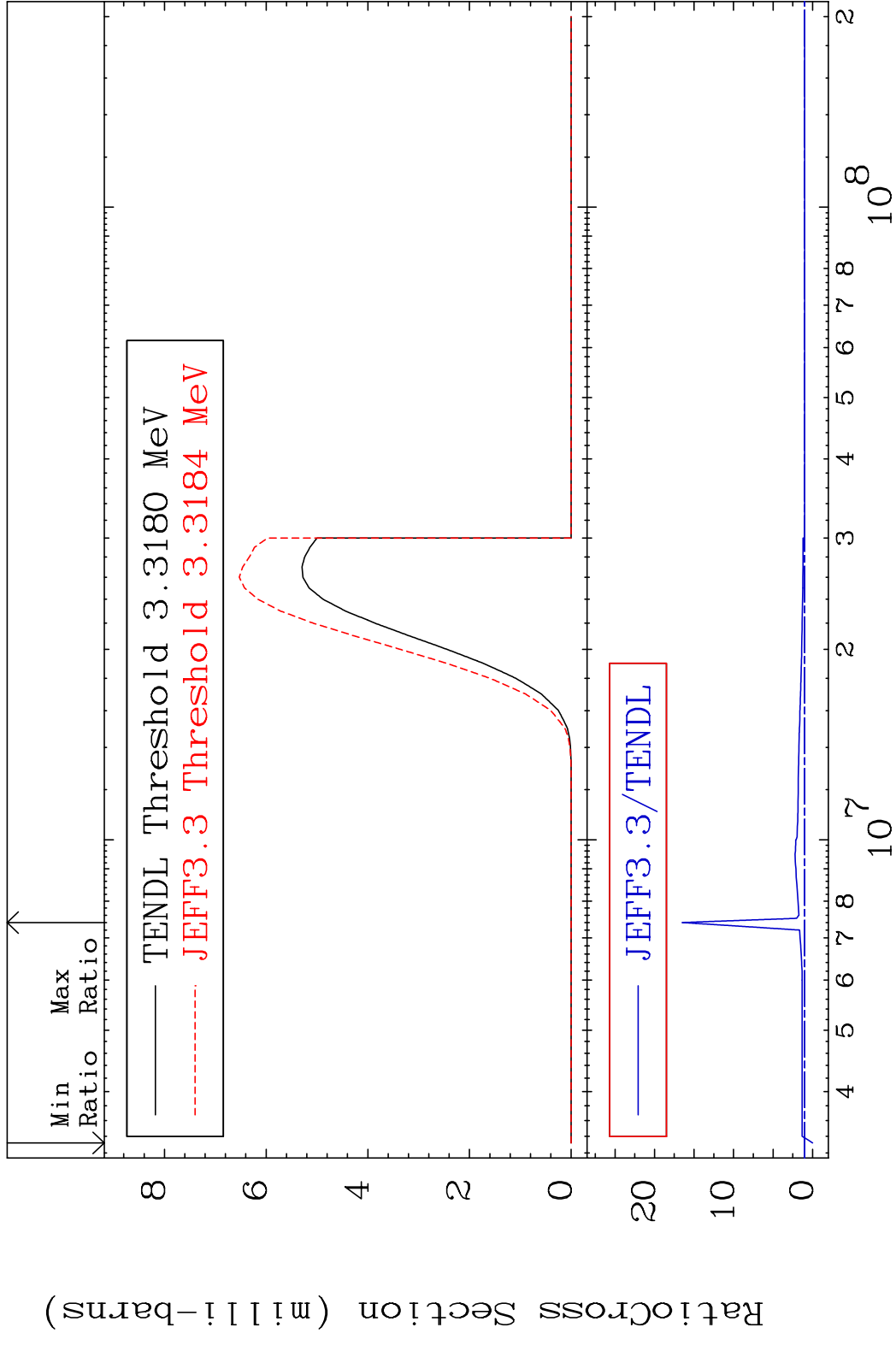


MAT 7326 (n, d): 72-Hf-179g 73-Ta-180m  
 Radionuclide Production Cross Section 189.2 %

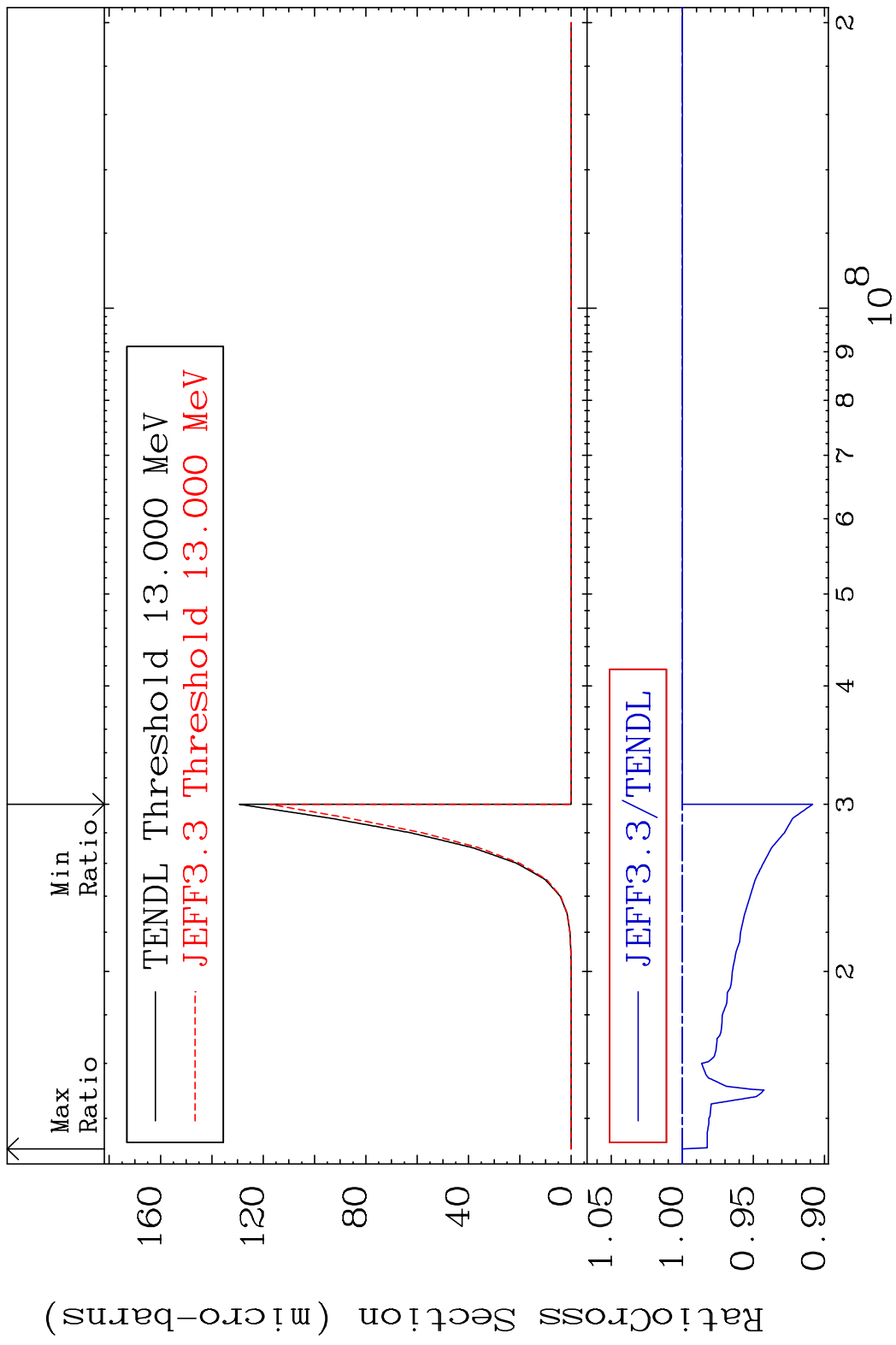


77 Incident Energy (eV) 73-Ta-180m

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

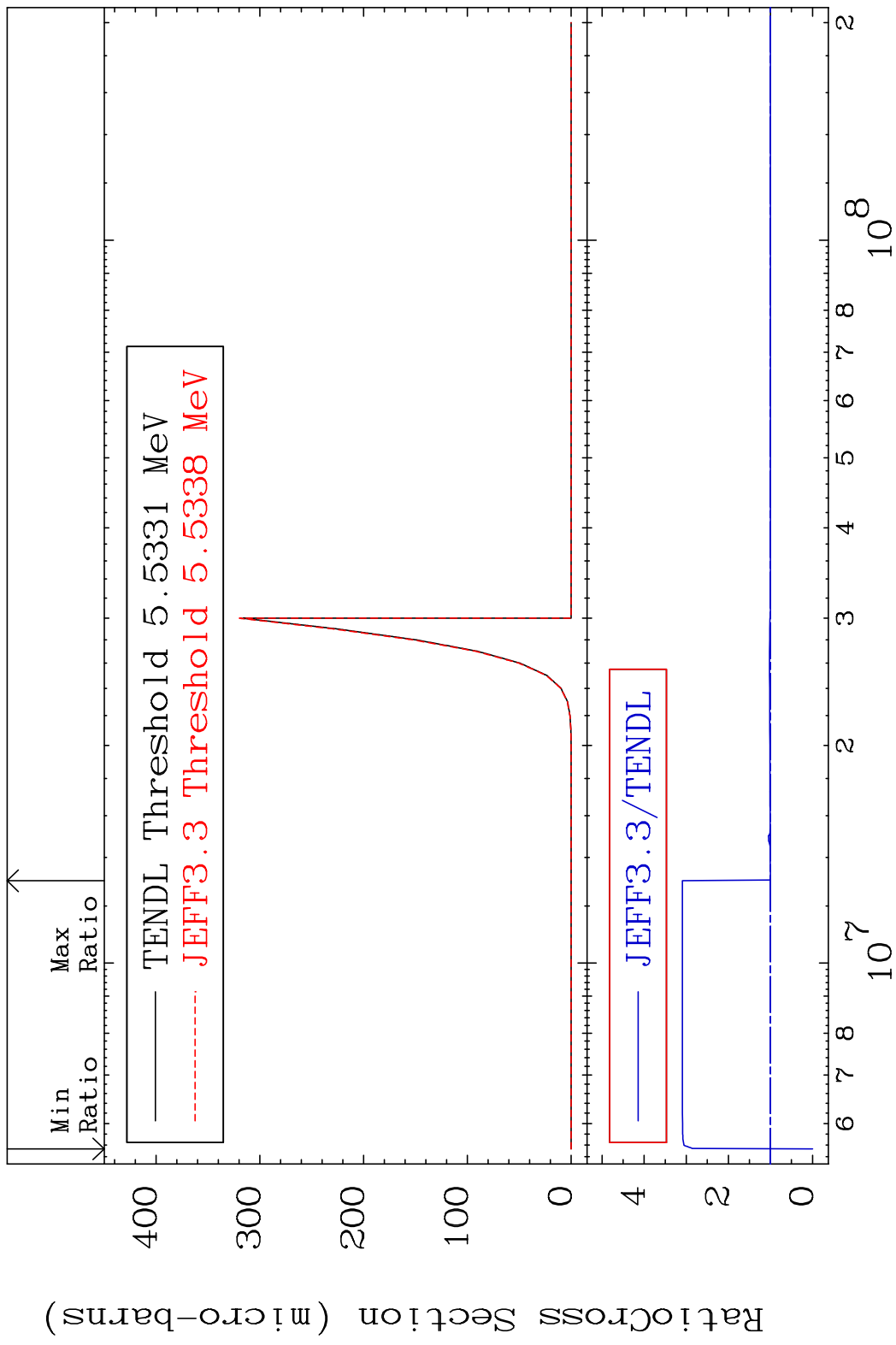


MAT 7326 (n, He-3): 71-Lu-178g 73-Ta-180m  
 Radionuclide Production Cross Section 95.661 dth 0.000 %



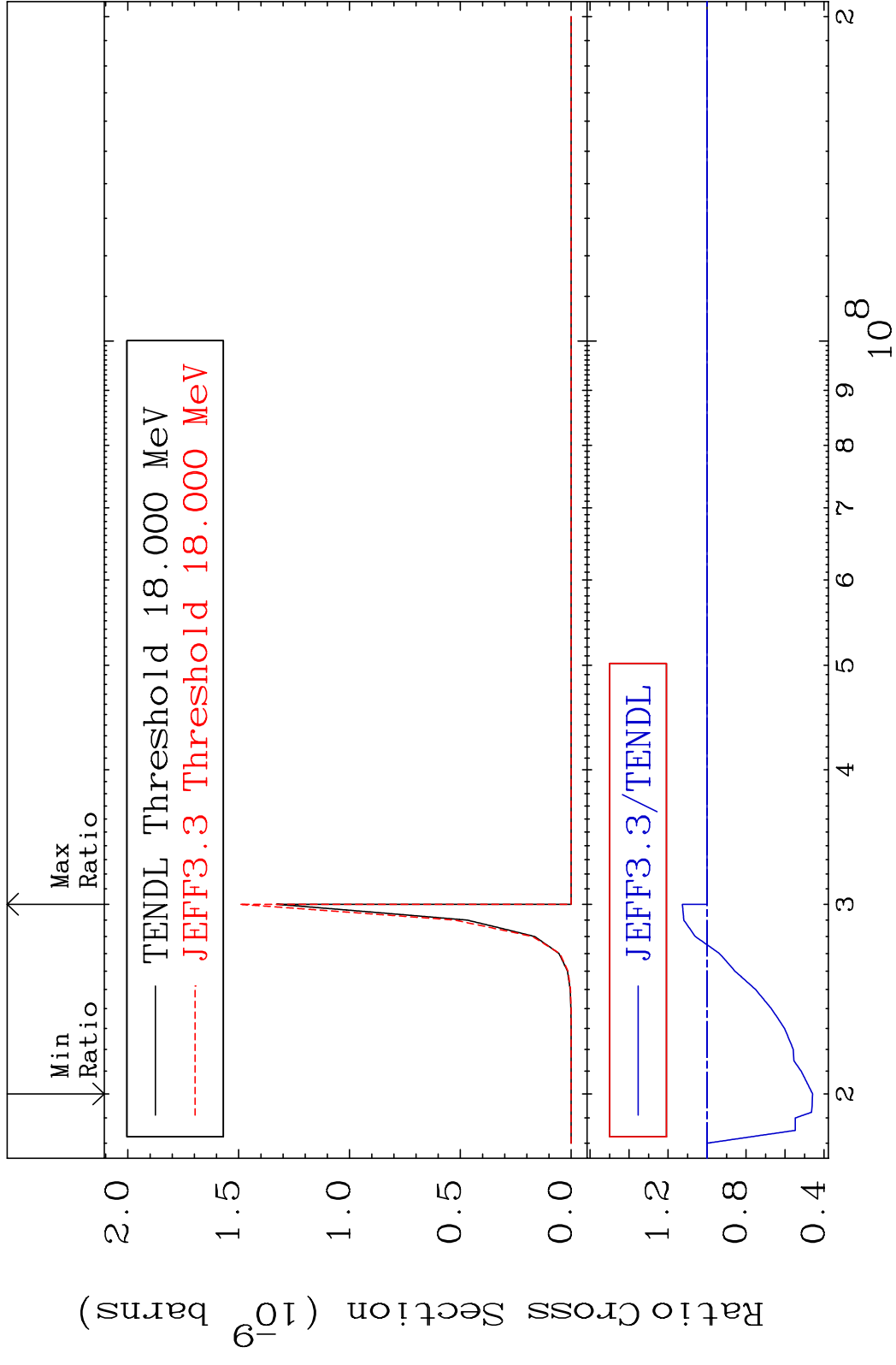


MAT 7326 (n, He-3) : 71-Lu-178m3 73-Ta-180m  
 Radionuclide Production Cross Section Ratio 209.3 %

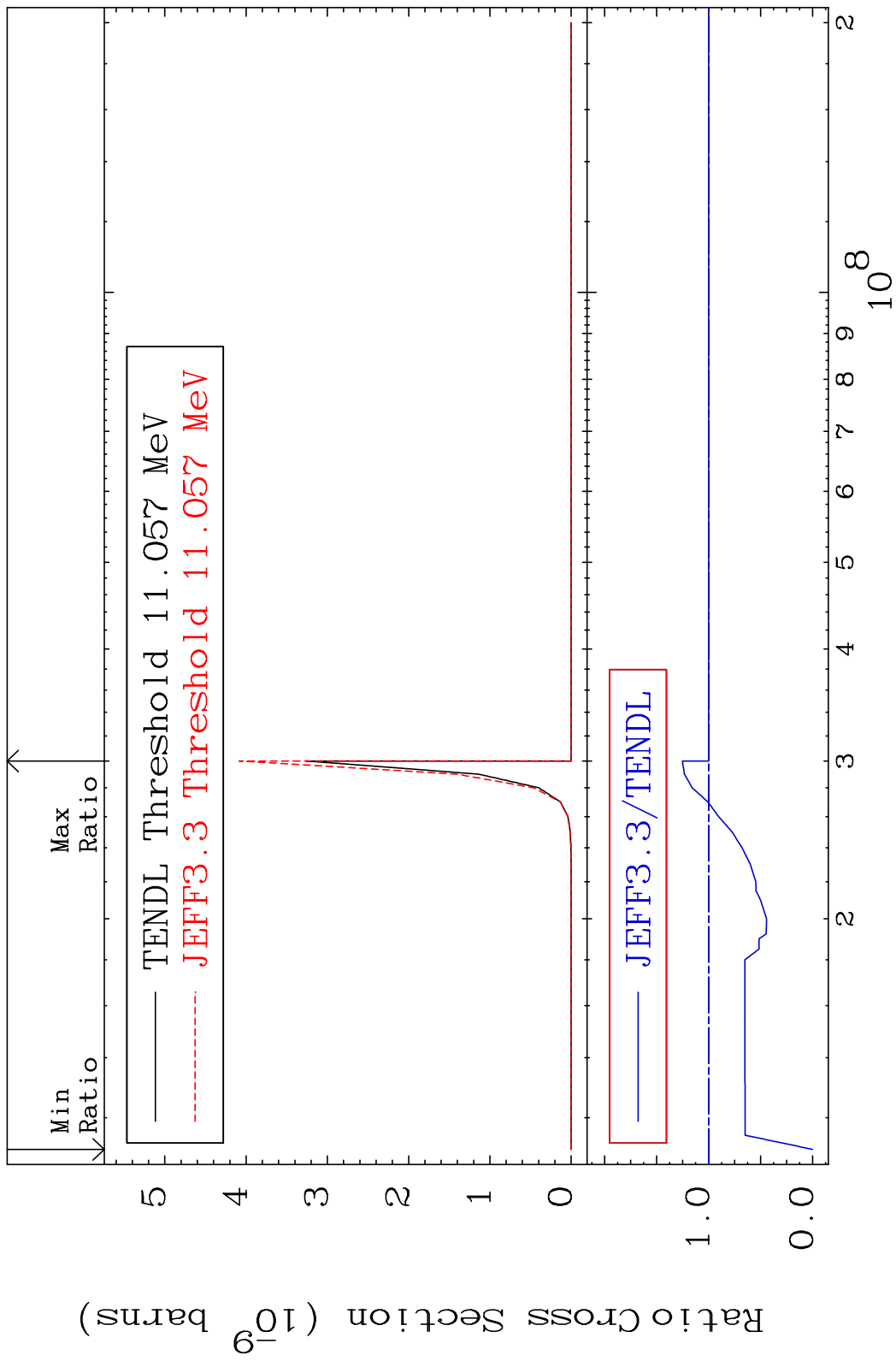


80 Incident Energy (eV) 73-Ta-180m

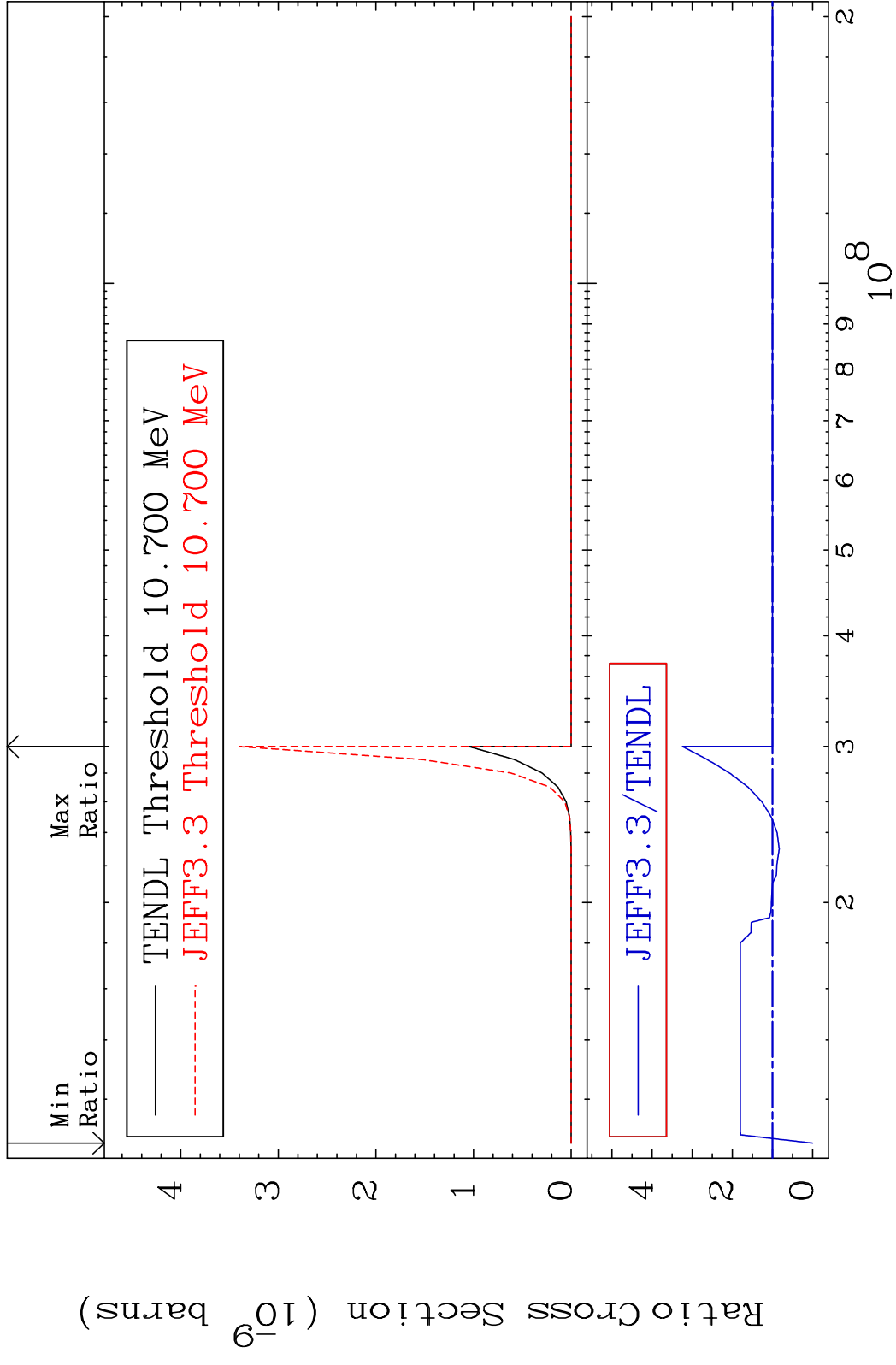
MAT 7326 (n, p) d:71-Lu-178g 73-Ta-180m  
 Radionuclide Production Cross Section 5.4e-10 12.67 %



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 65e33d10 239.4 %

