

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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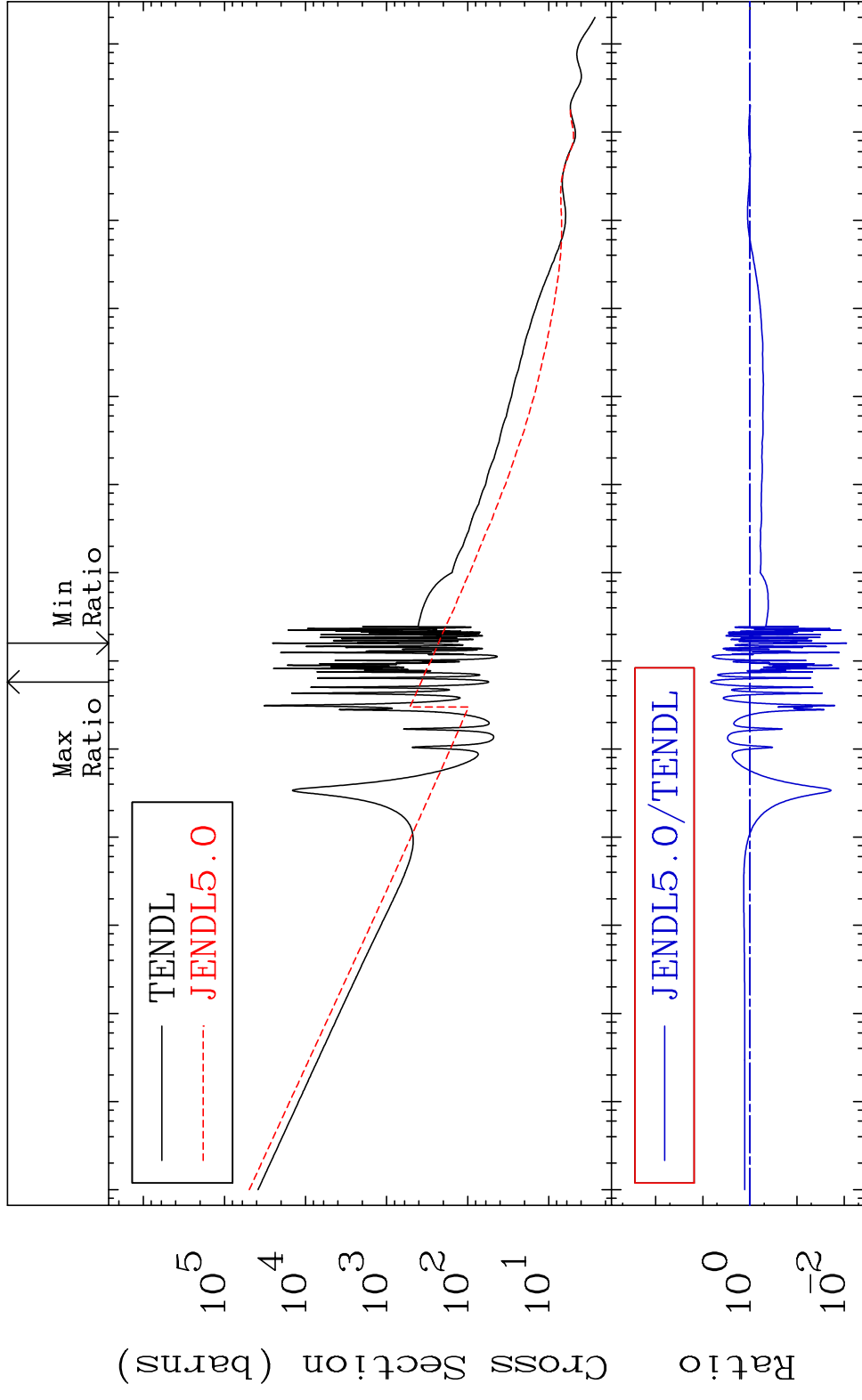
Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7322

Total Cross Section -99.10 To 579.5 %  
73-Ta-179



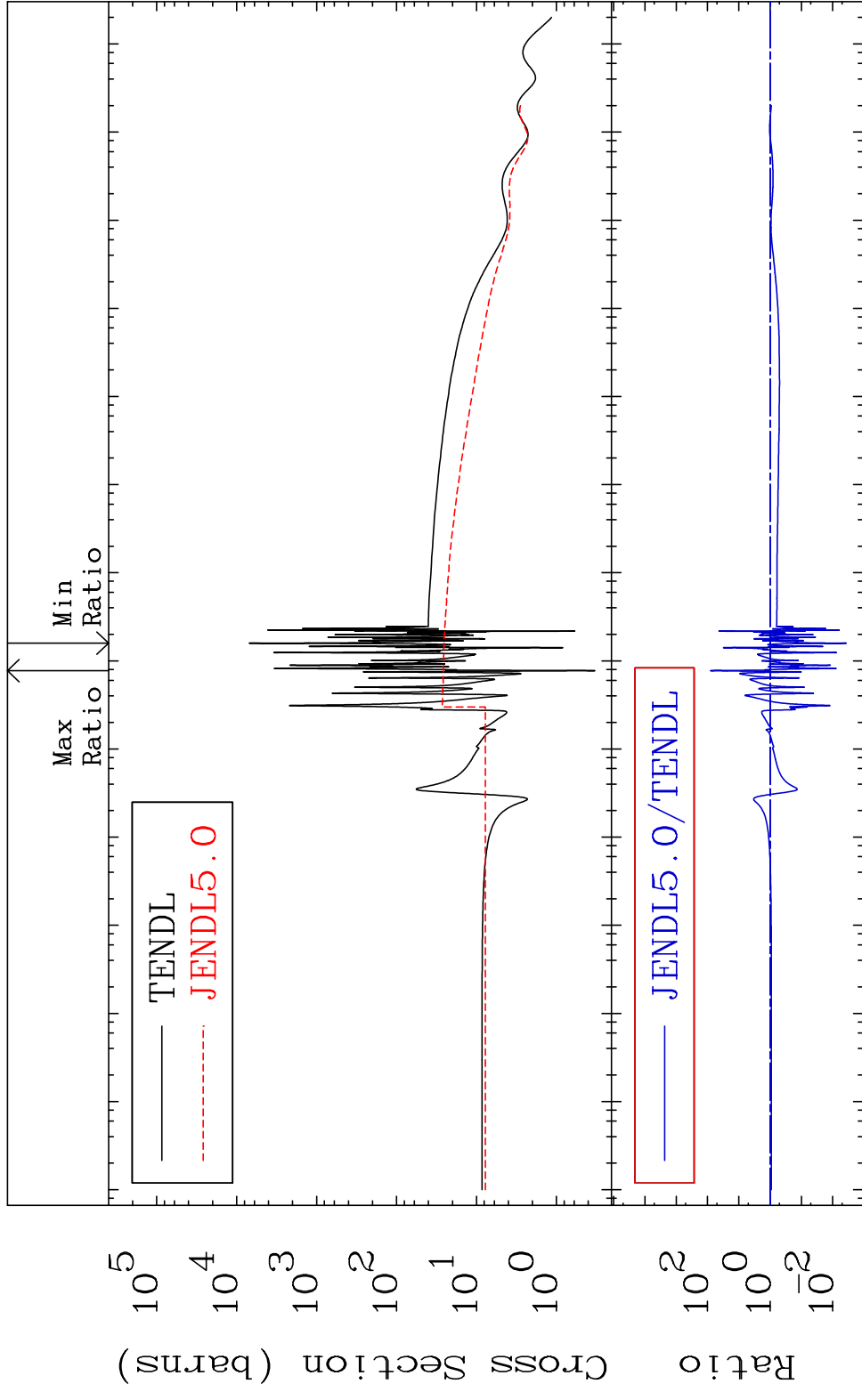
1 Incident Energy (eV) 73-Ta-179

MAT 7322

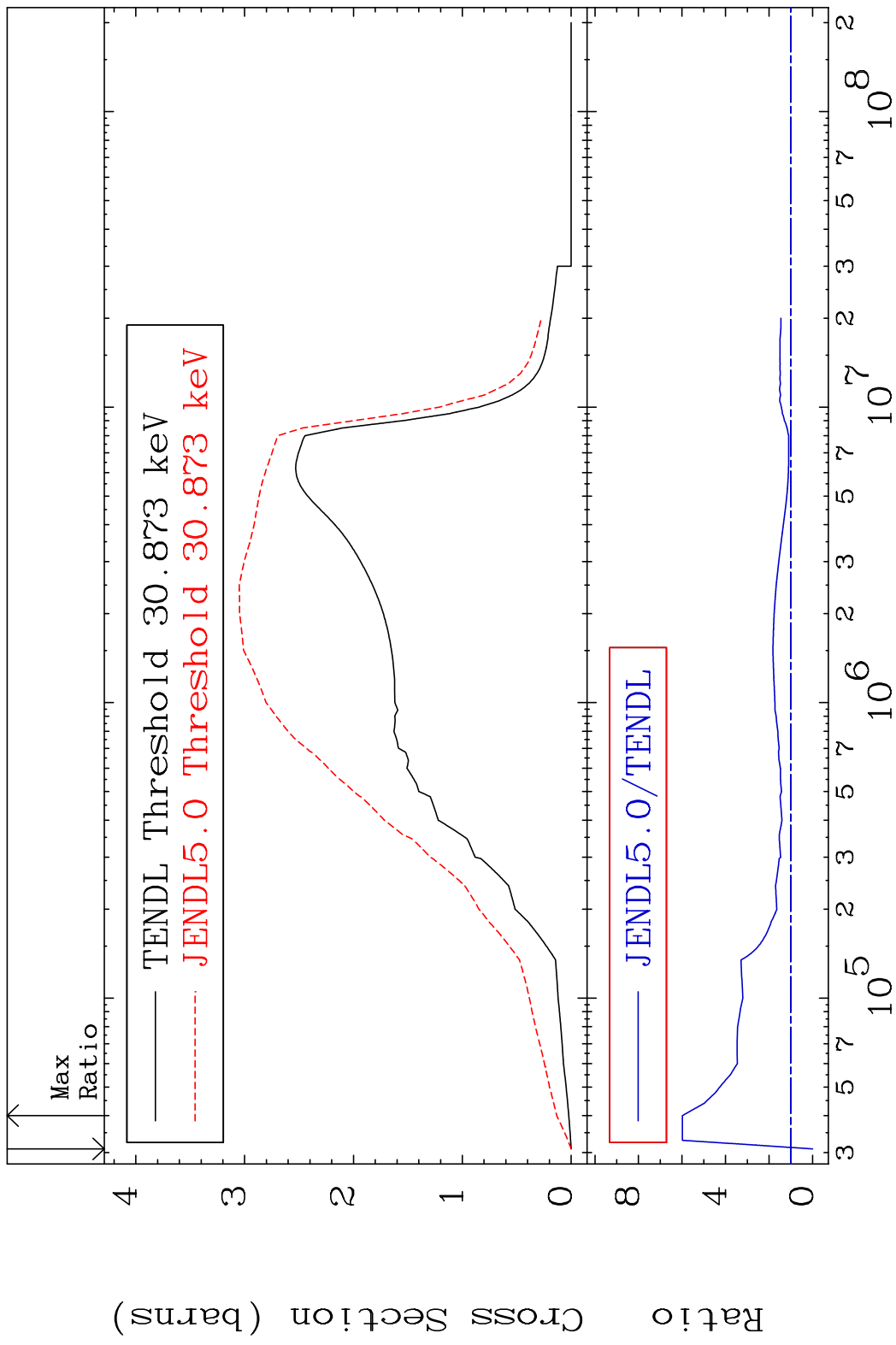
Elastic

73-Ta-179

Cross Section -99.63 To 7791. %



MAT 7322 Inelastic 73-Ta-179  
 Cross Section -100.0 To 498.4 %



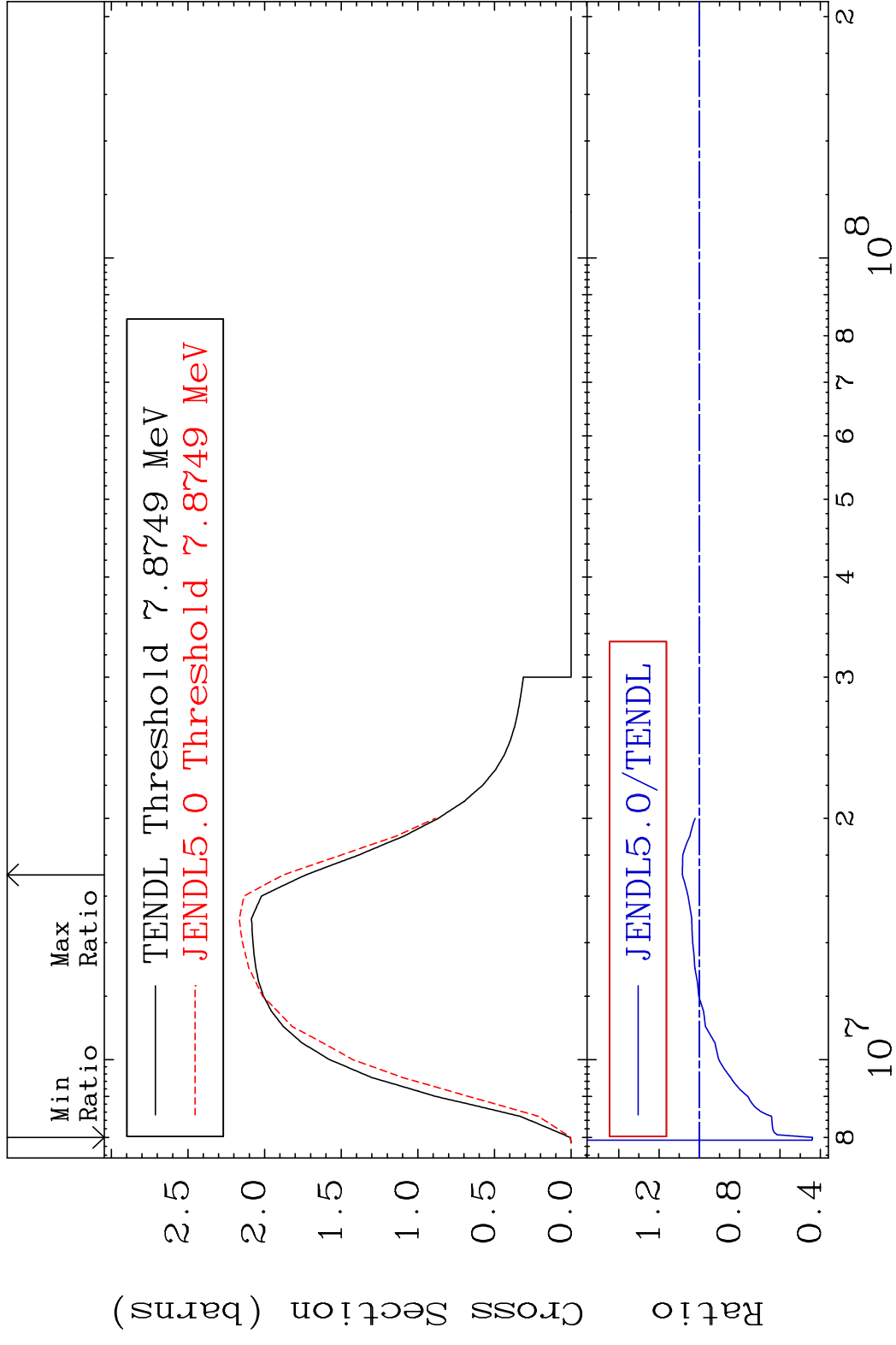
3 3 Incident Energy (eV) 73-Ta-179

MAT 7322

(n,2n)

73-Ta-179

Cross Section -56.12 To 8.442 %



4

Incident Energy (eV)

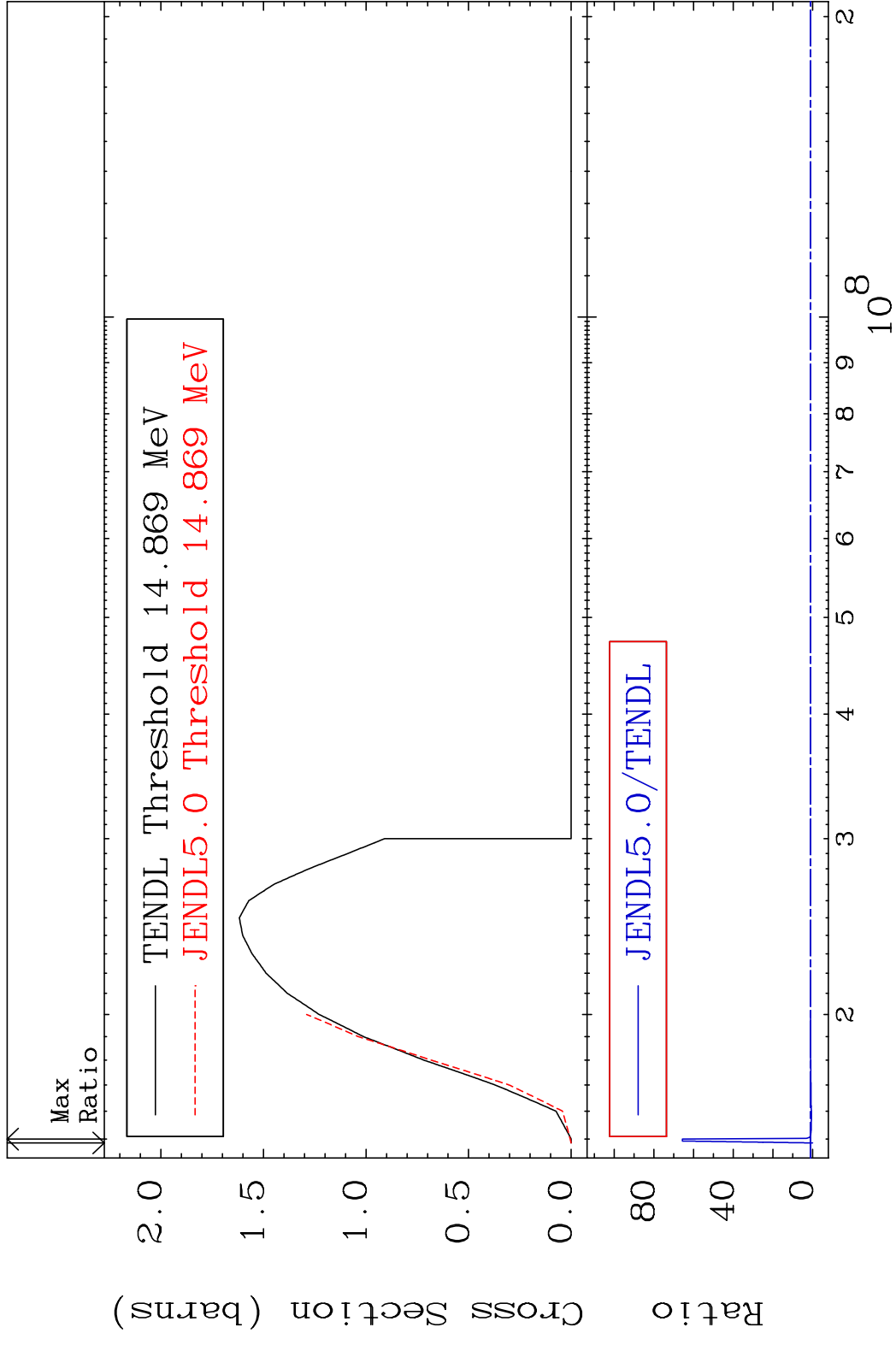
73-Ta-179

MAT 7322

(n,3n)

73-Ta-179

Cross Section -100.0 To 6467. %

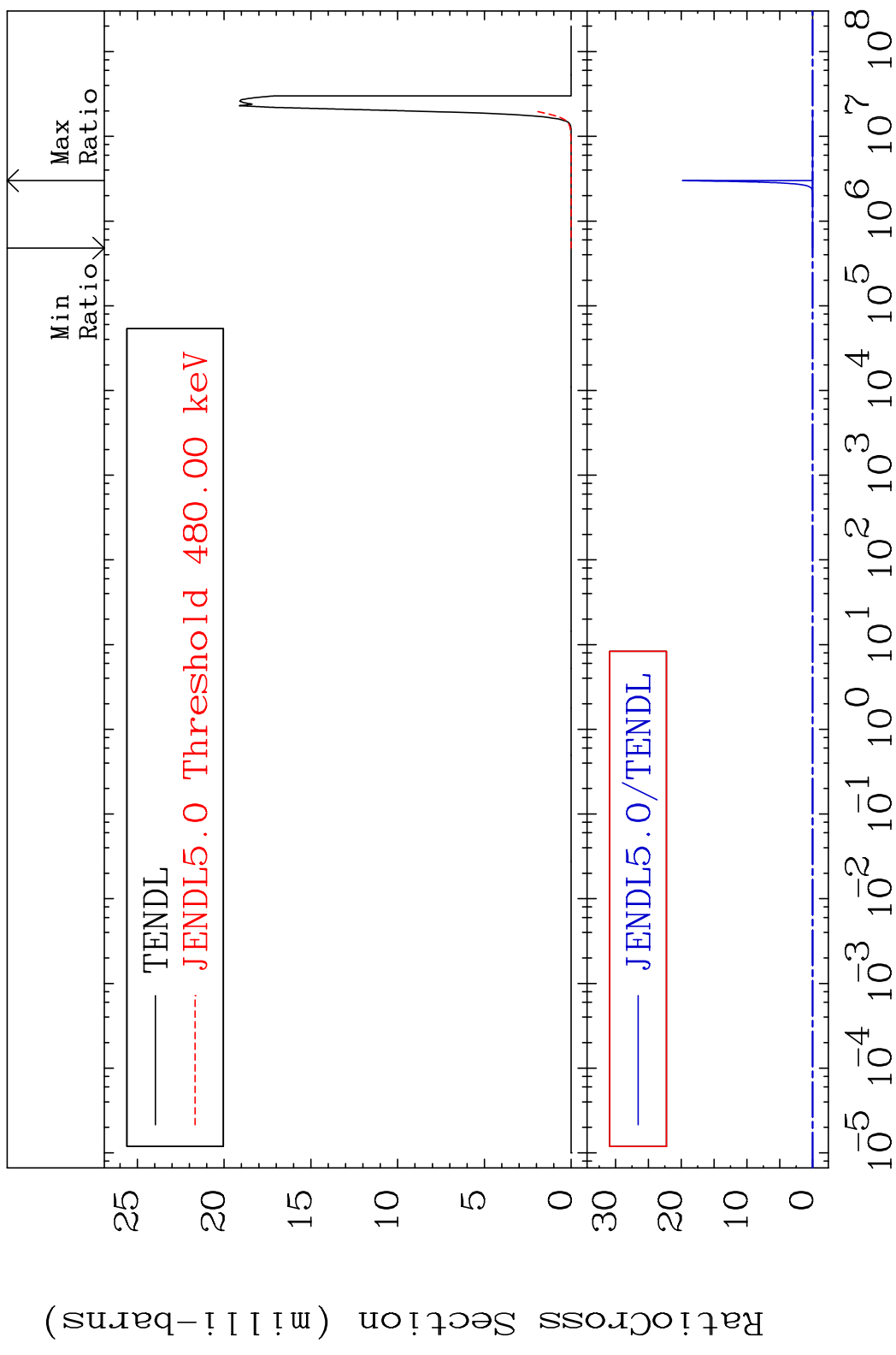


MAT 7322

(n, n')  $\alpha$

73-Ta-179

Cross Section -100.0 To 9999. %

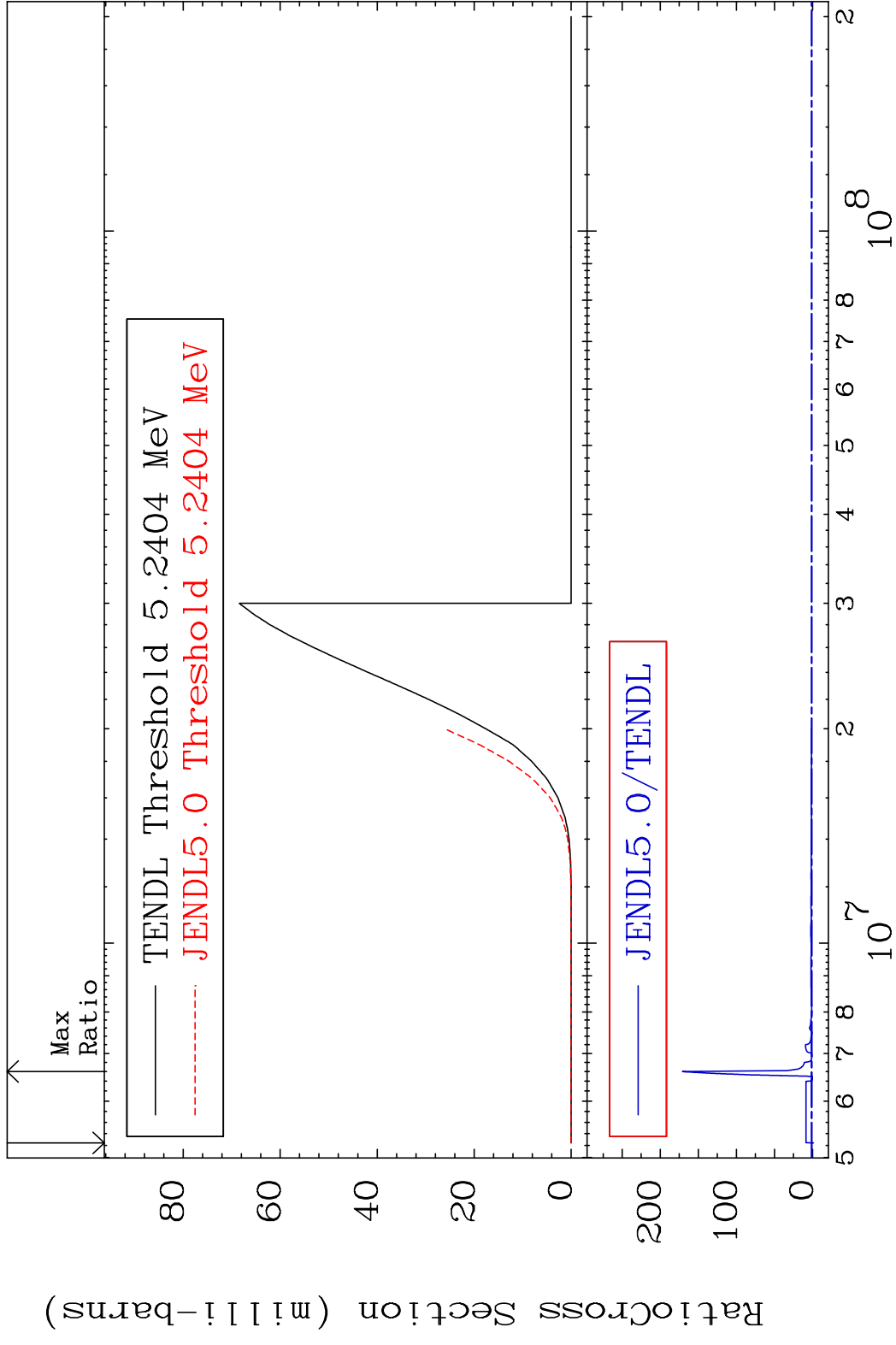


MAT 7322

(n, n') p

73-Ta-179

Cross Section -100.0 To 9999. %



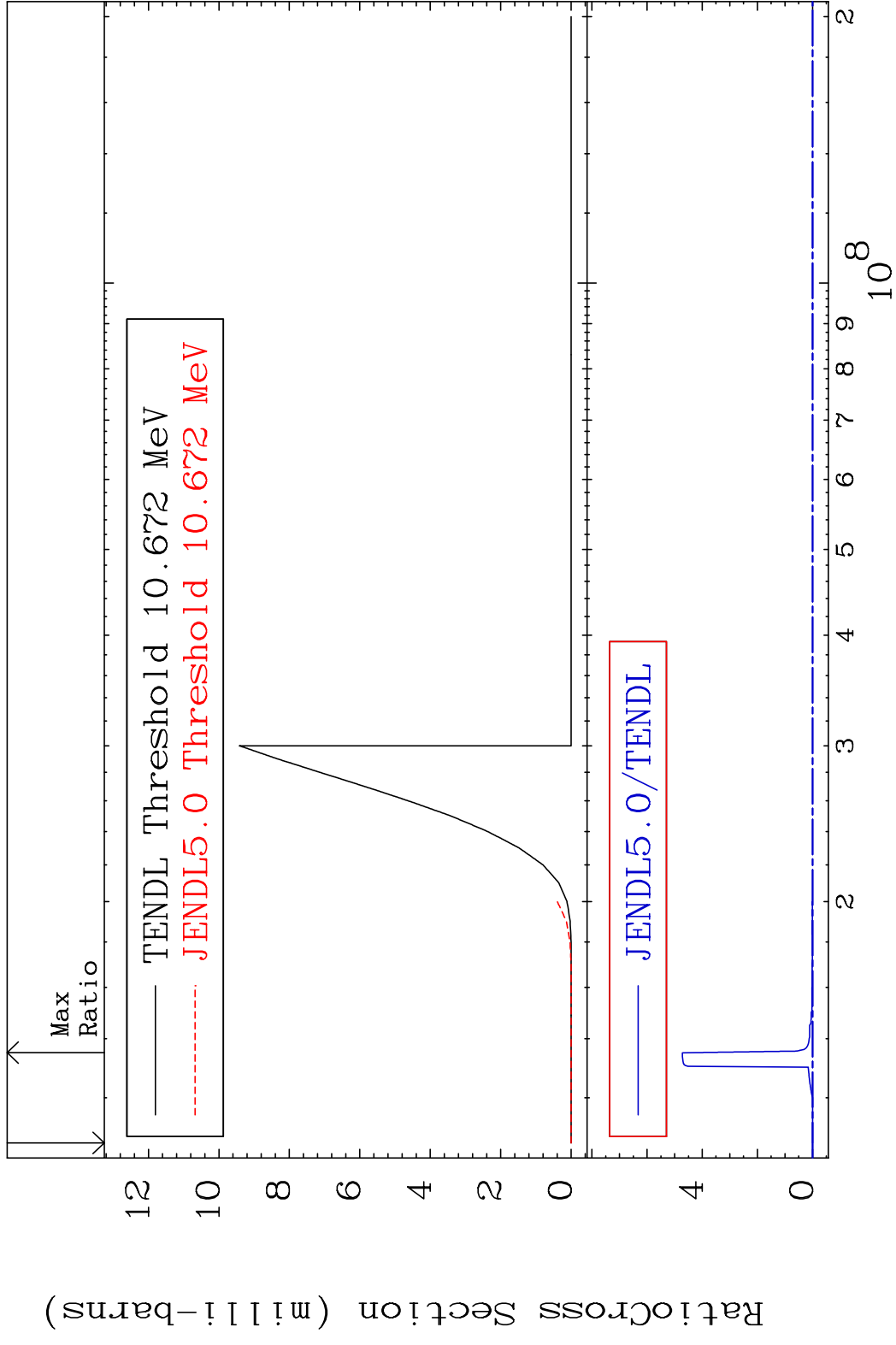
7

Incident Energy (eV)

73-Ta-179



MAT 7322 (n, n') d 73-Ta-179  
 Cross Section -100.0 To 9999. %

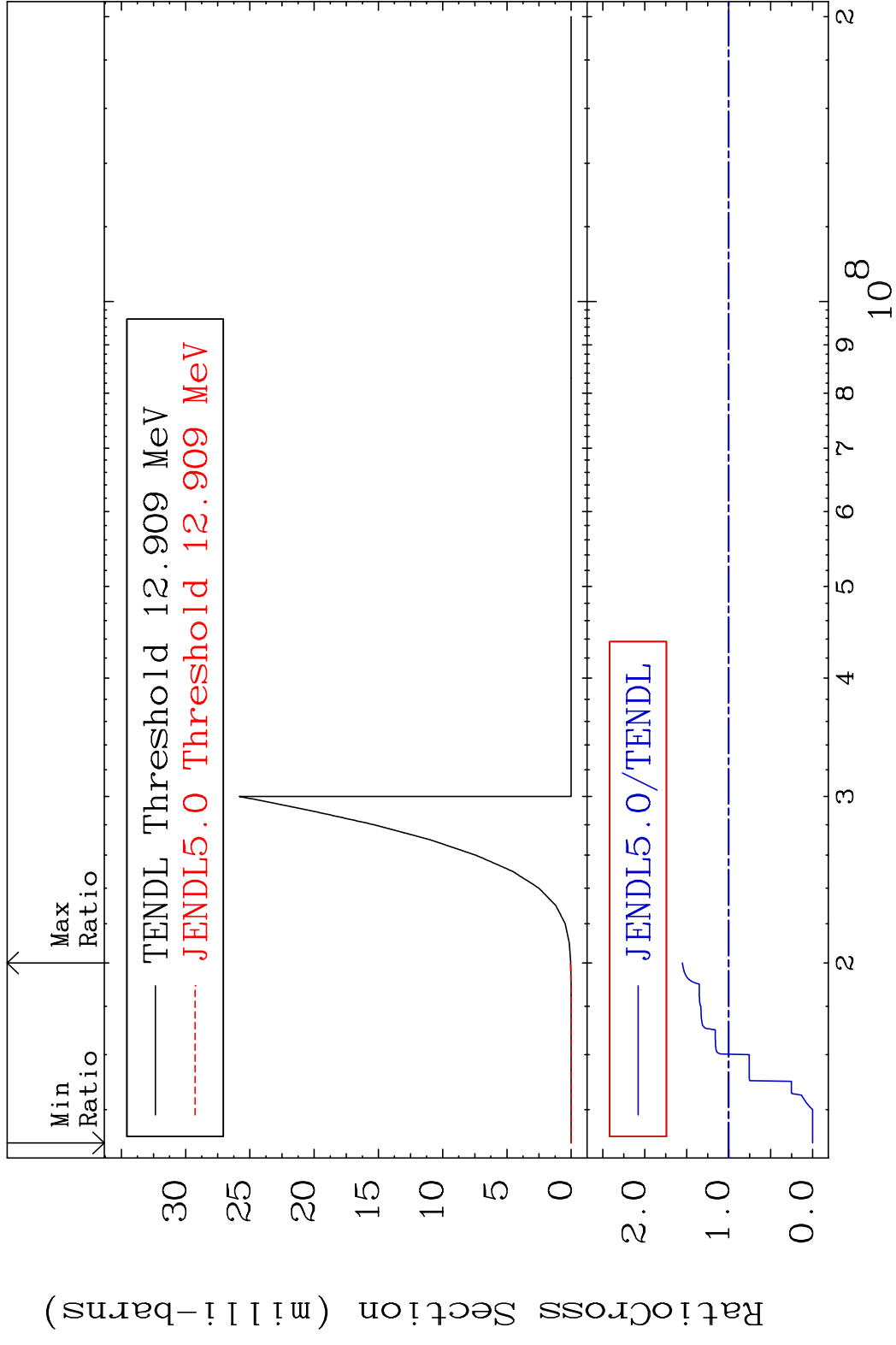


MAT 7322

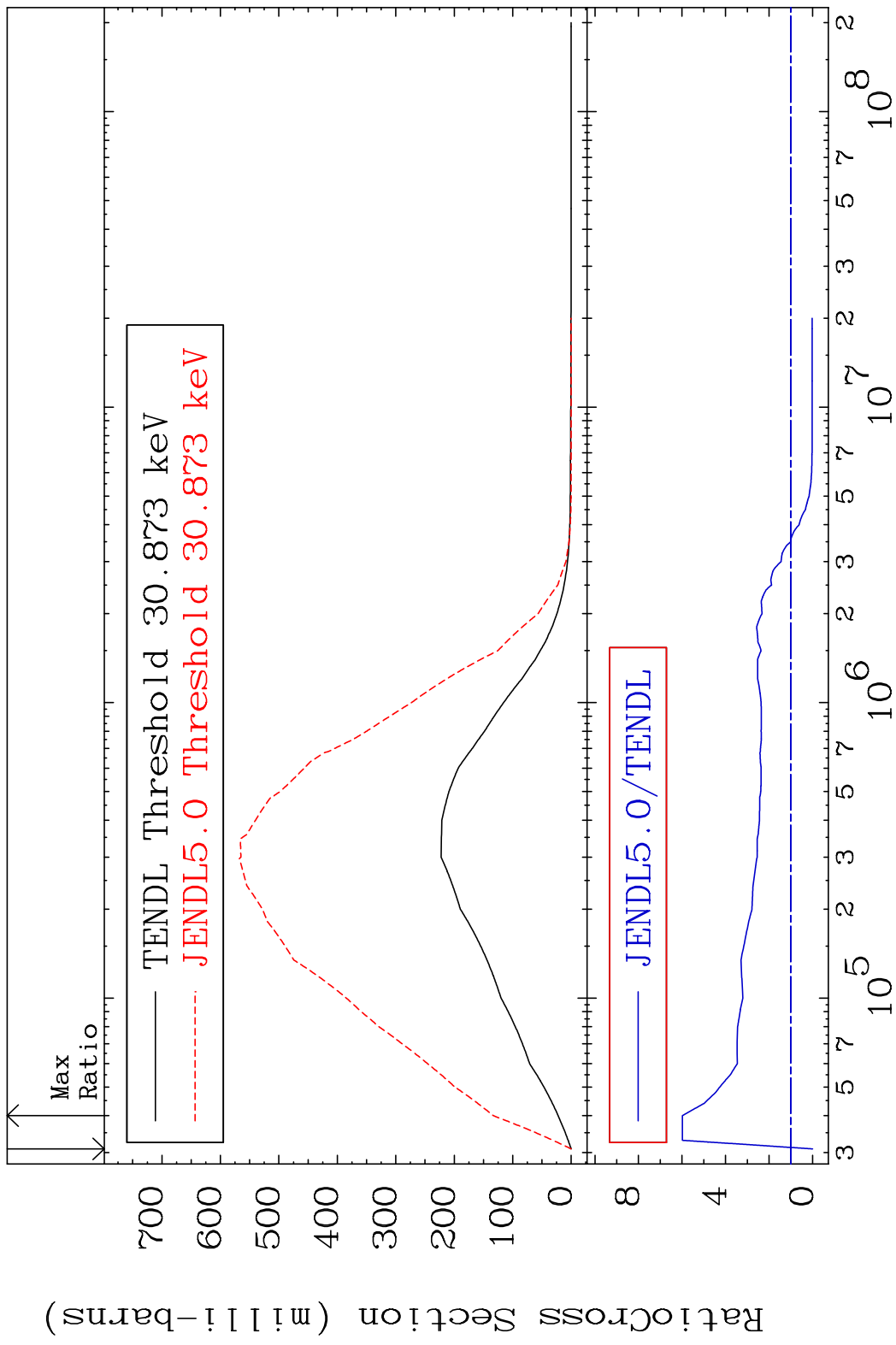
(n,2n) p

73-Ta-179

Cross Section -100.0 To 55.23 %

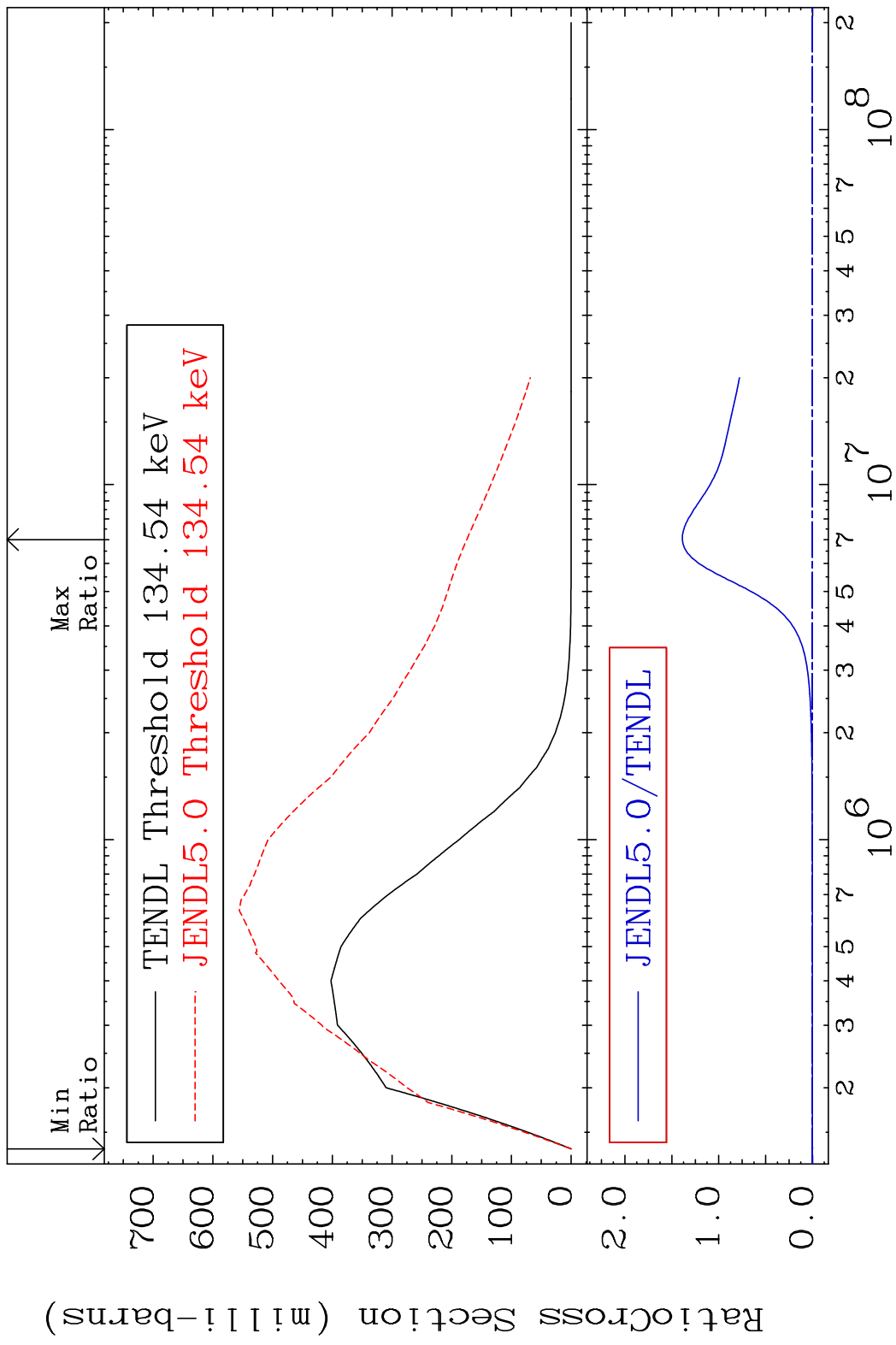


MAT 7322 MT= 51 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 498.4 %

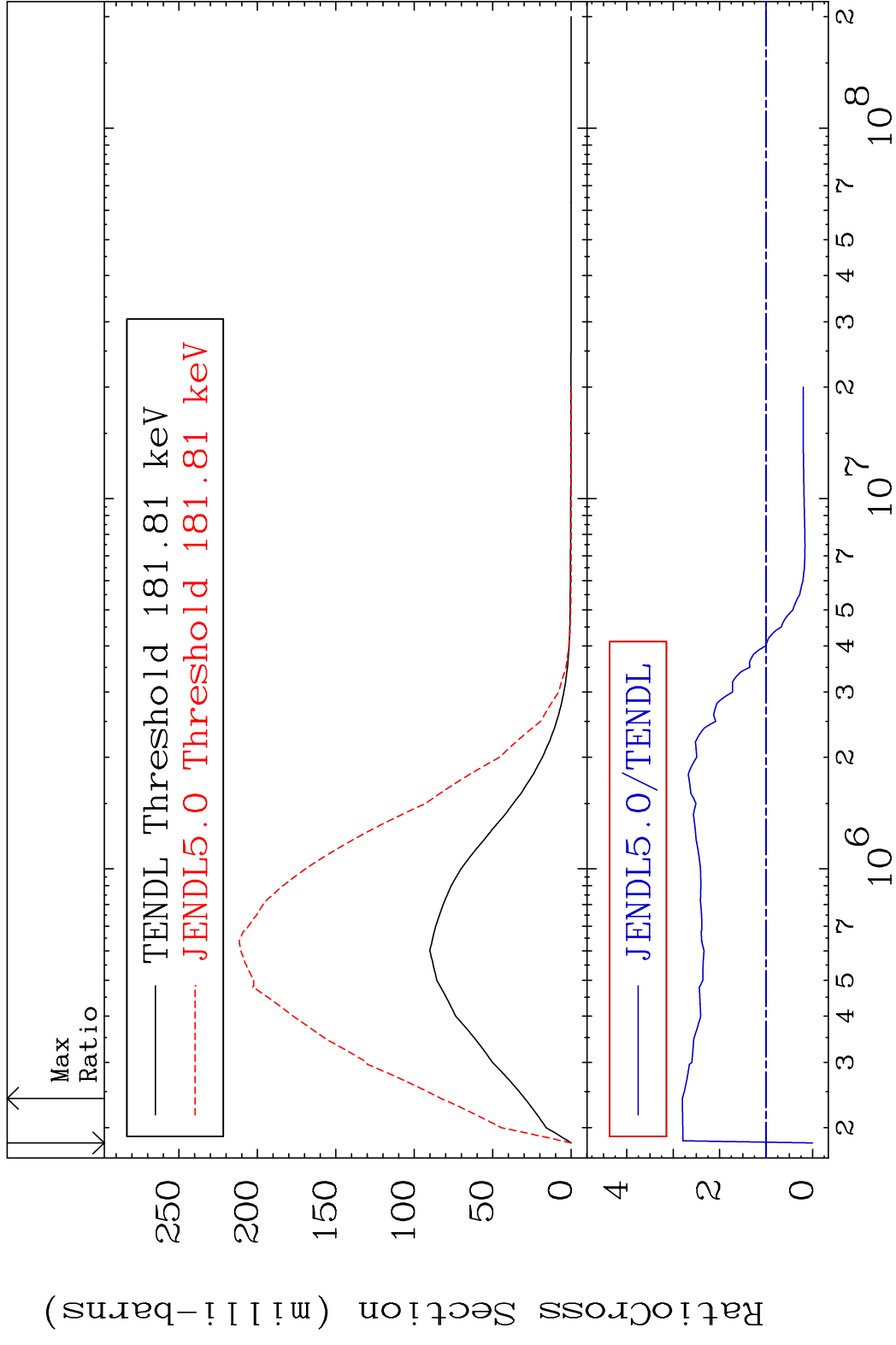


10 Incident Energy (eV) 73-Ta-179

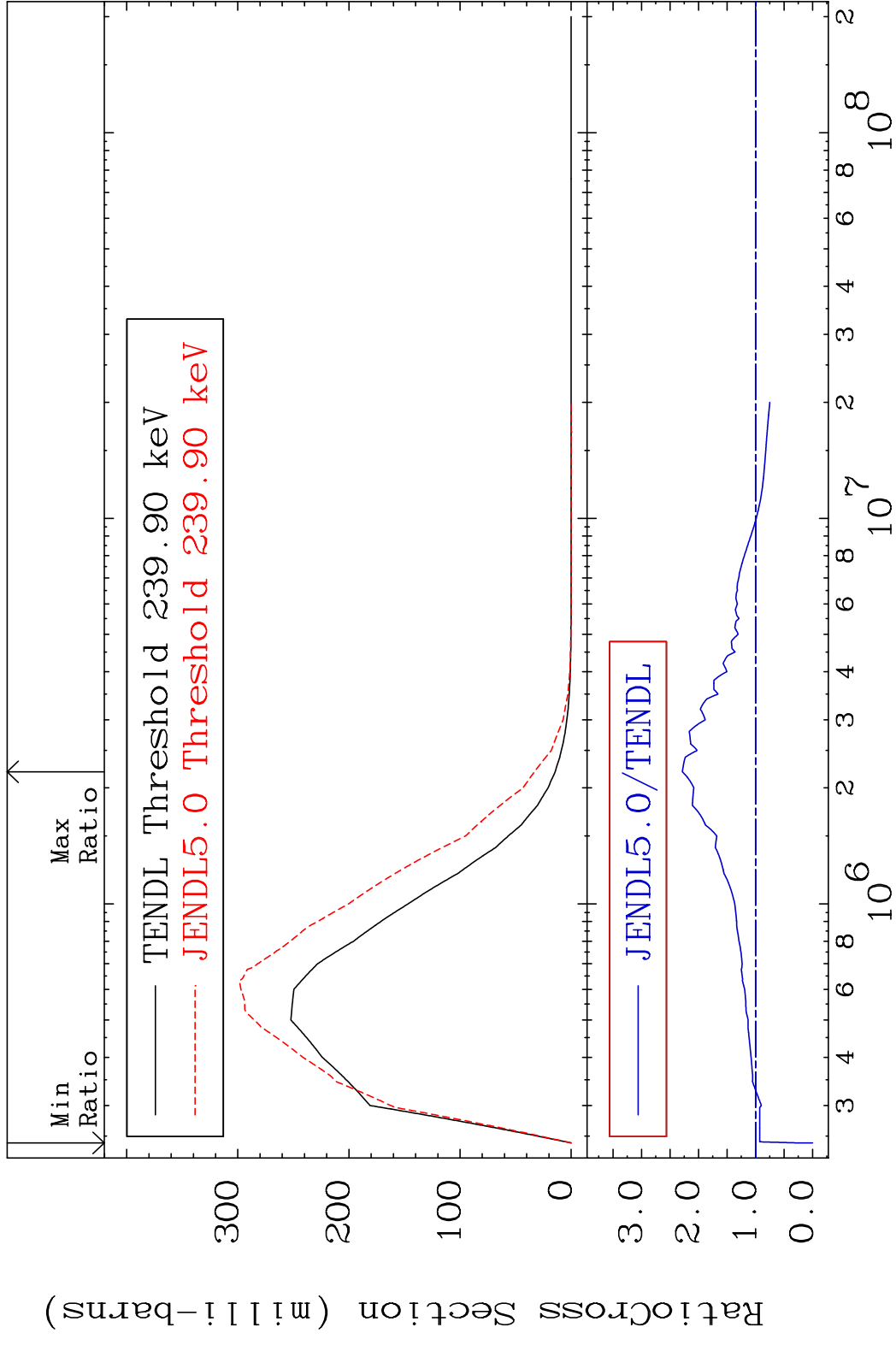
MAT 7322 MT= 52 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 9999. %



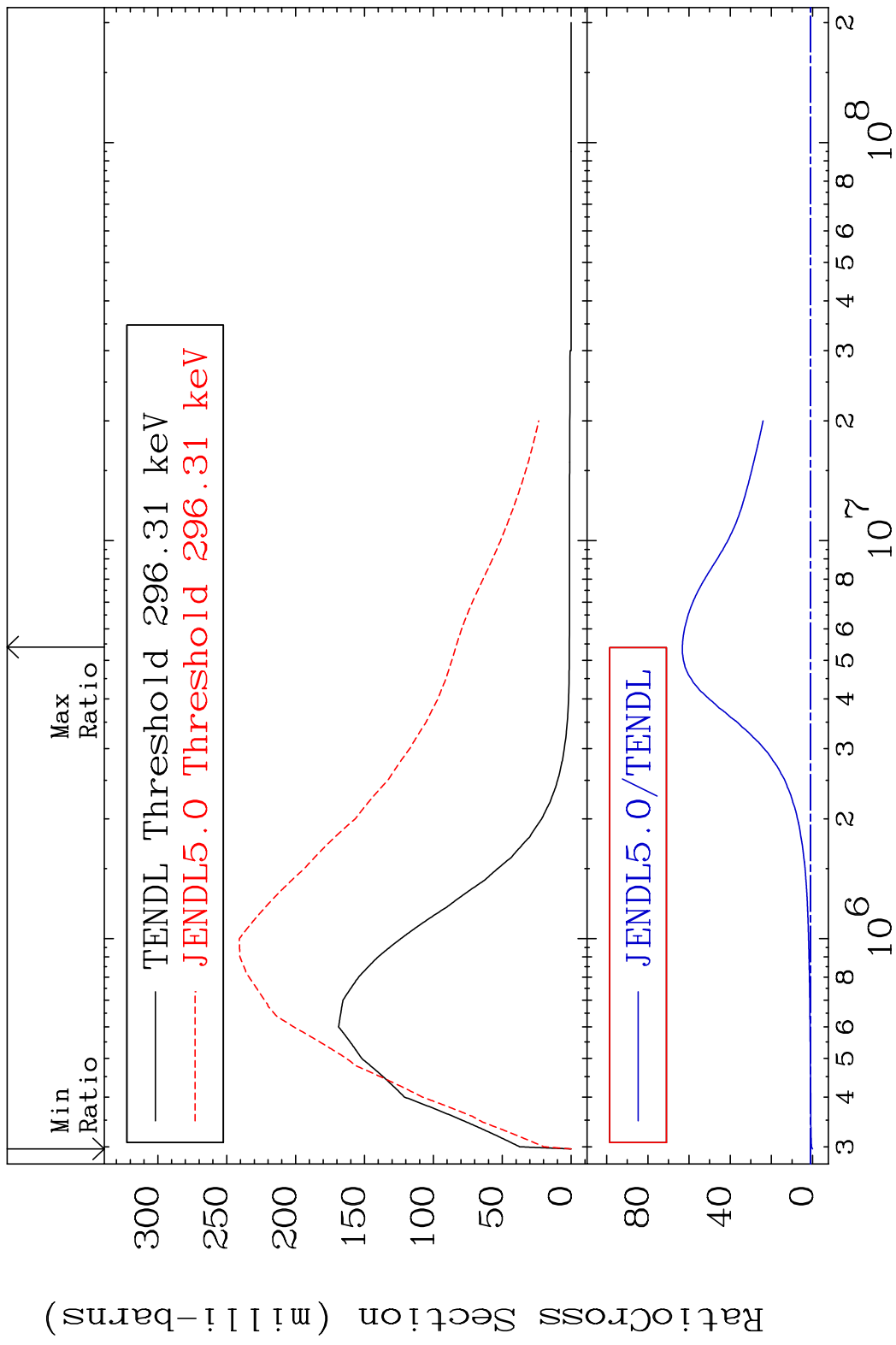
MAT 7322 MT= 53 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 180.3 %



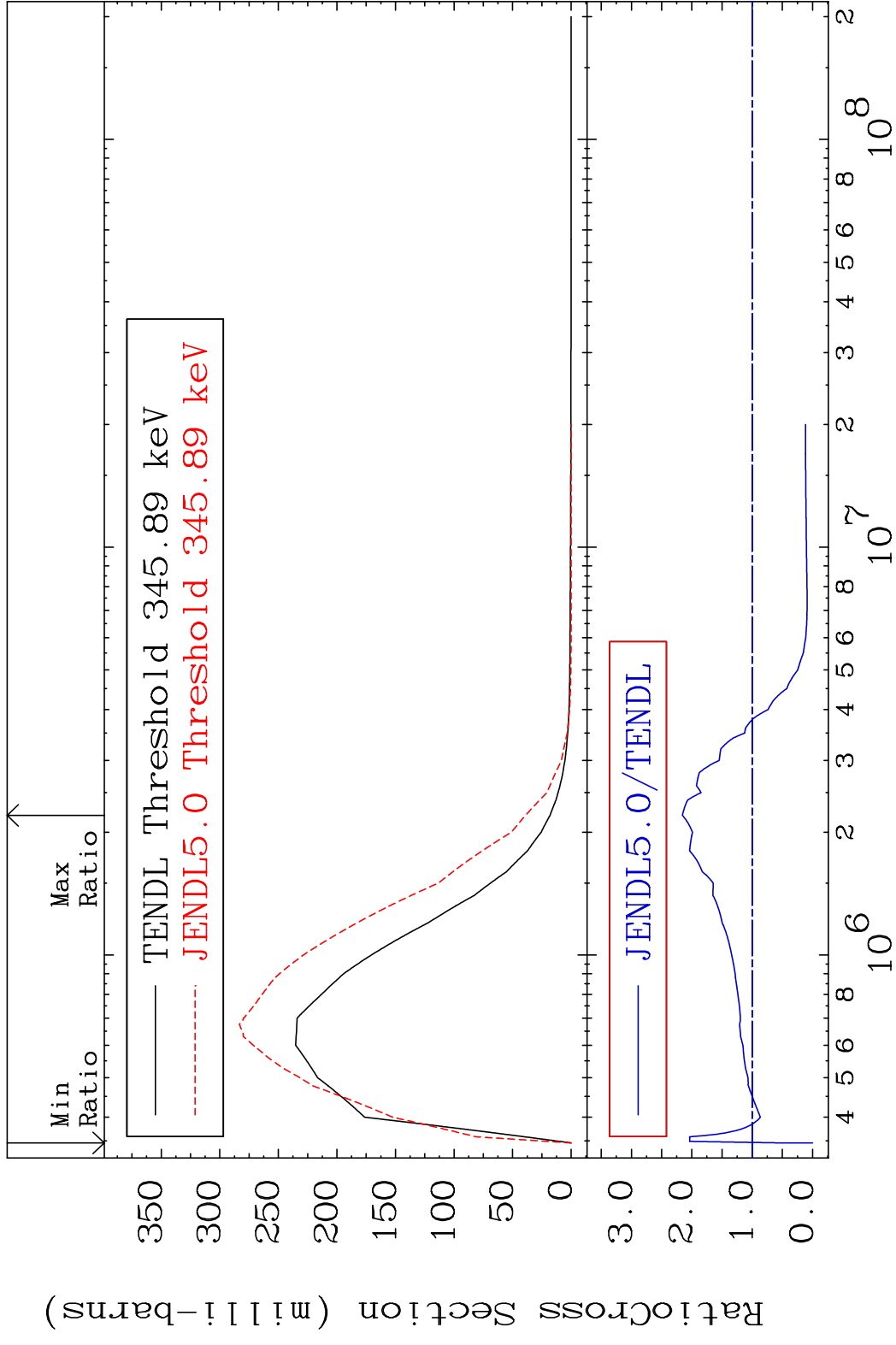
MAT 7322 MT= 54 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 128.3 %



MAT 7322 MT= 55 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 6224. %

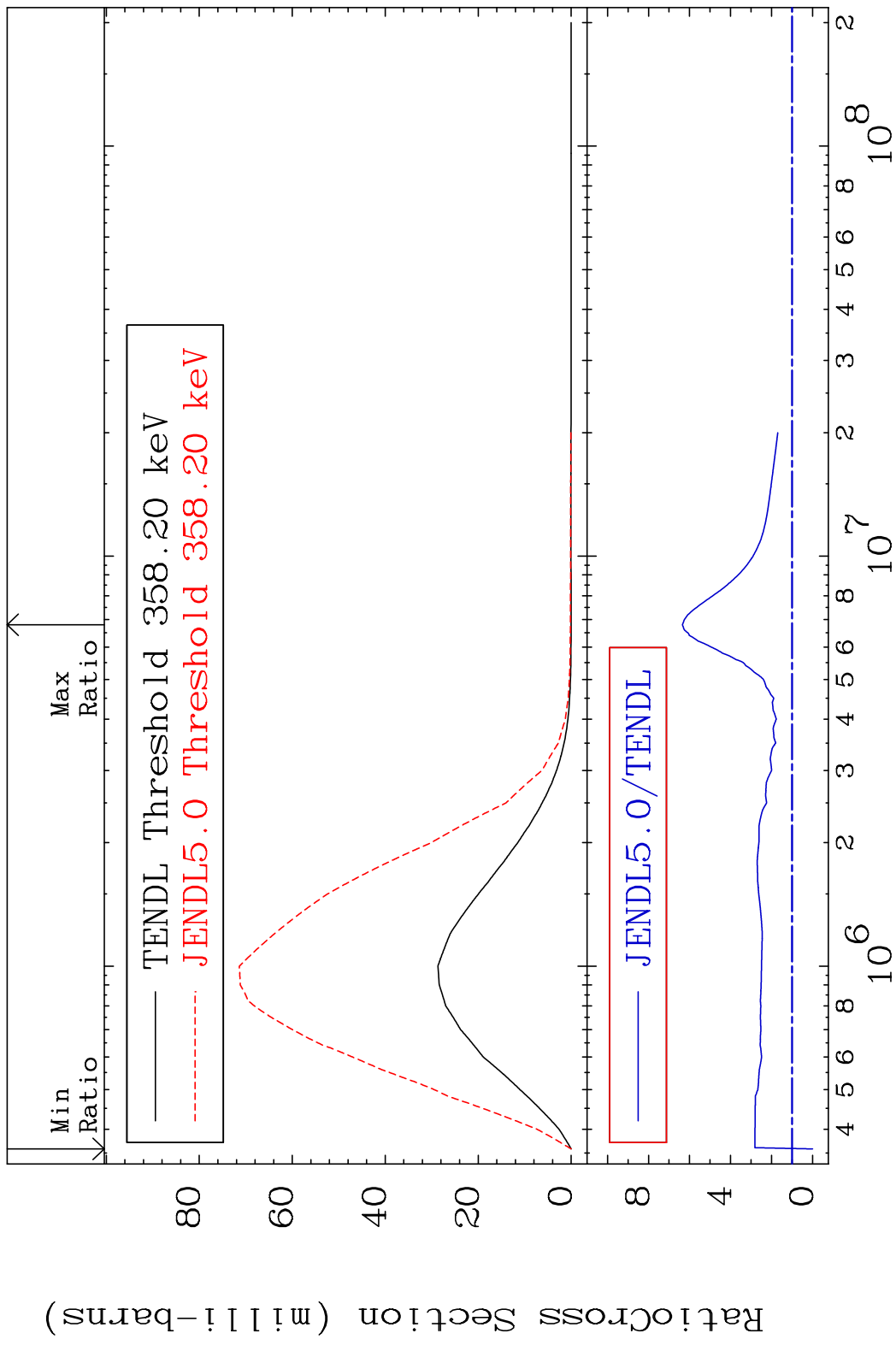


MAT 7322 MT= 56 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 115.7 %

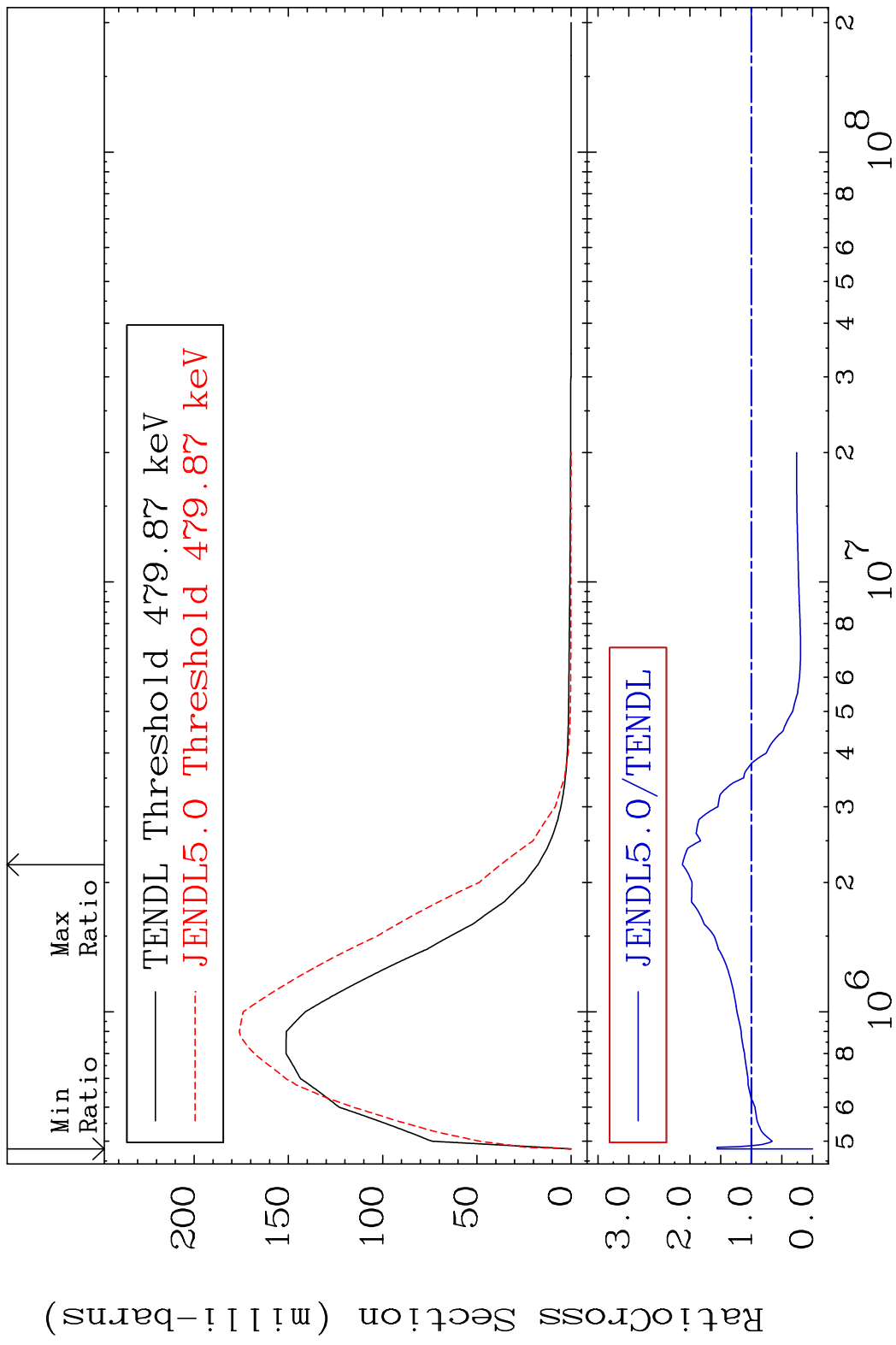




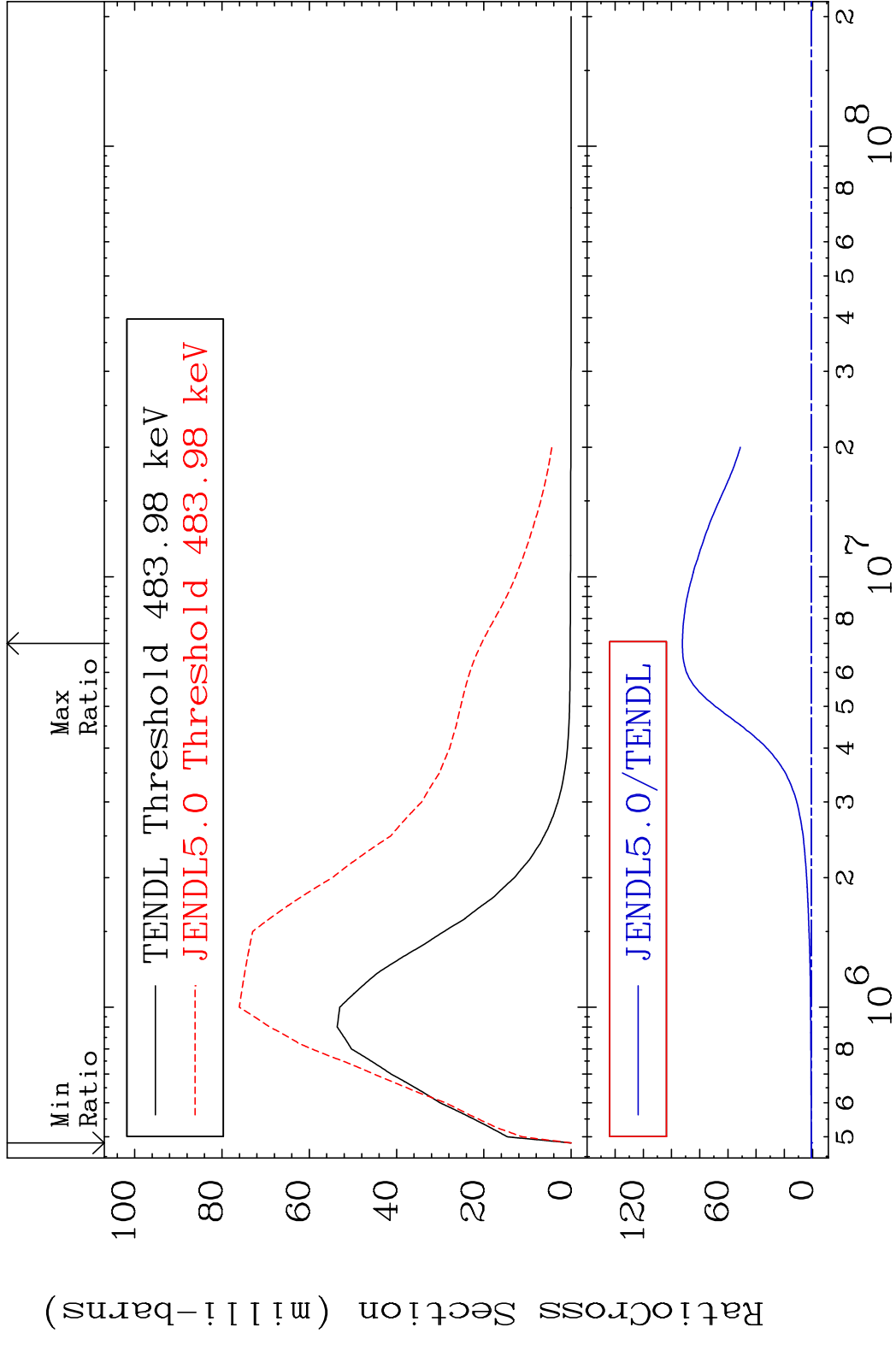
MAT 7322 MT= 57 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 535.1 %



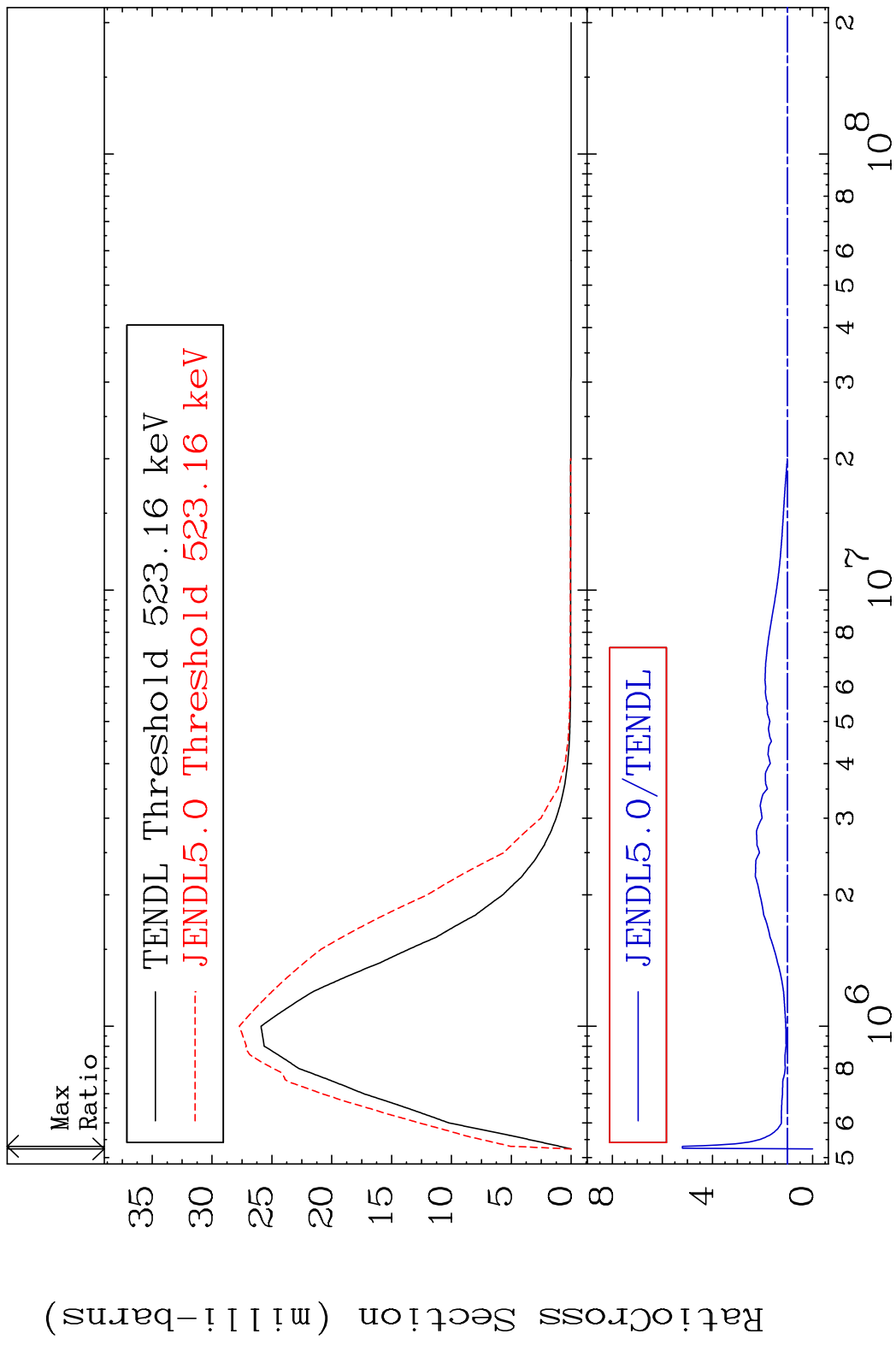
MAT 7322 MT= 58 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 112.5 %



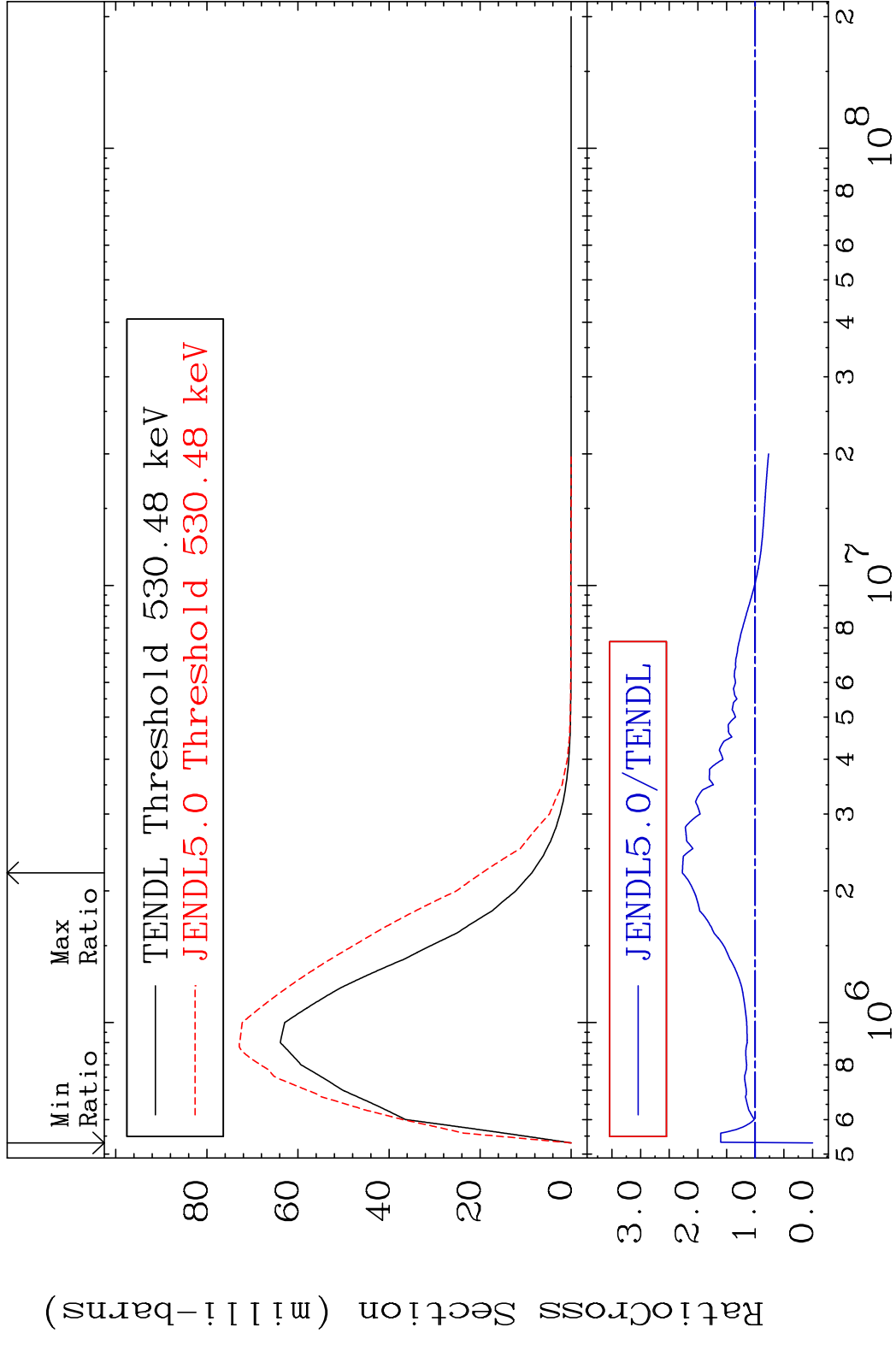
MAT 7322 MT= 59 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 9130. %



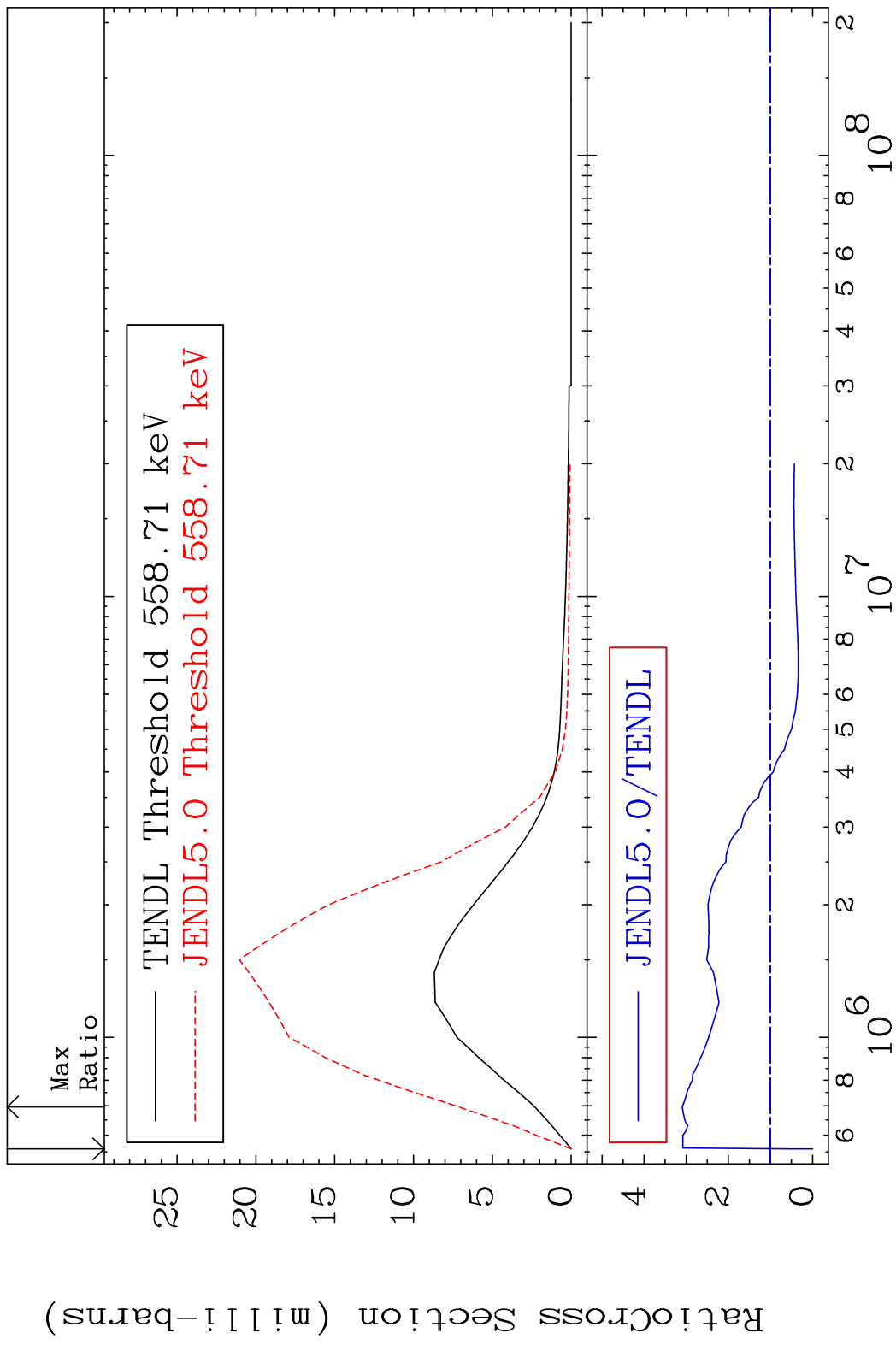
MAT 7322 MT= 60 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 420.1 %



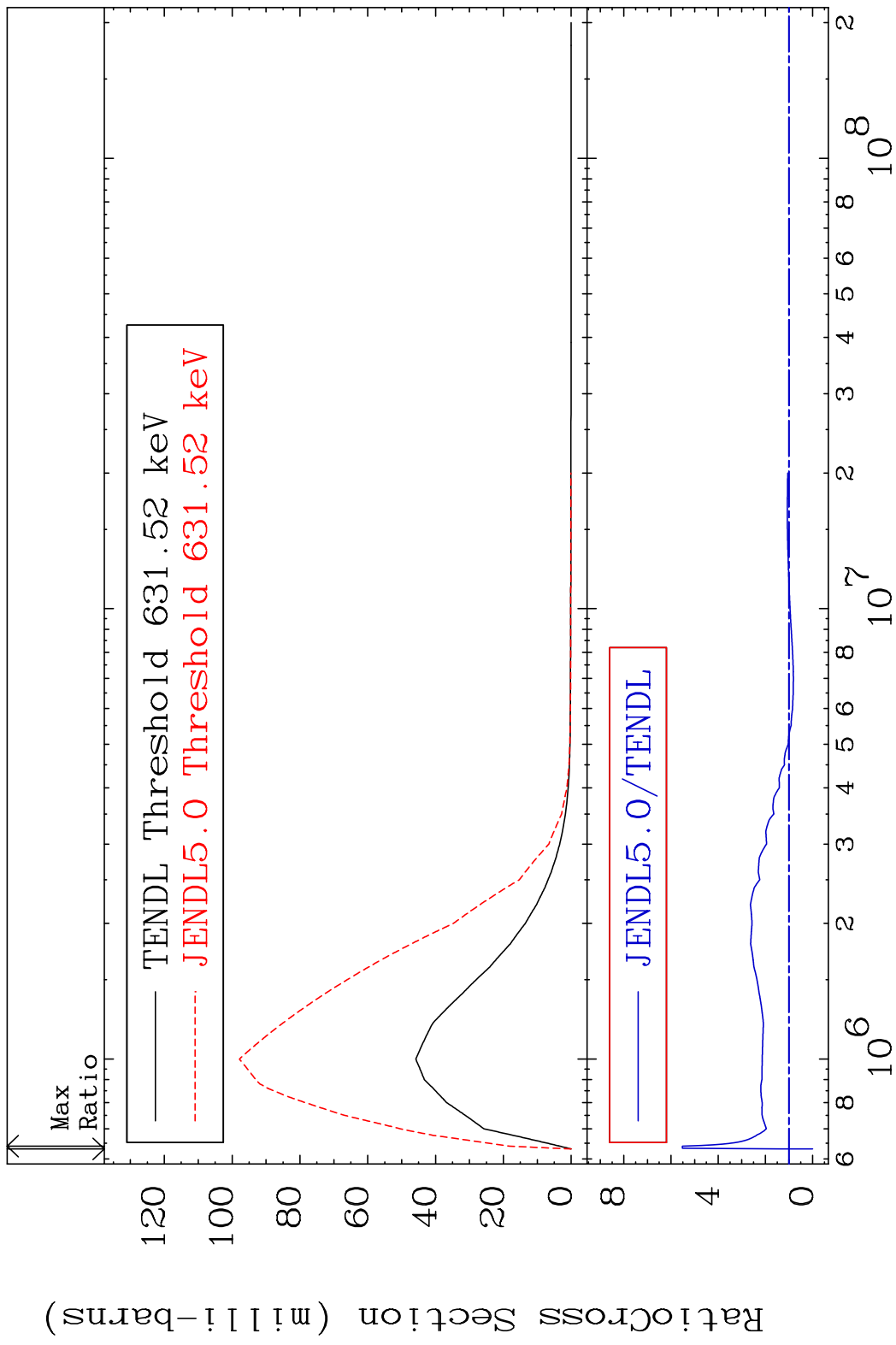
MAT 7322 MT= 61 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 127.2 %



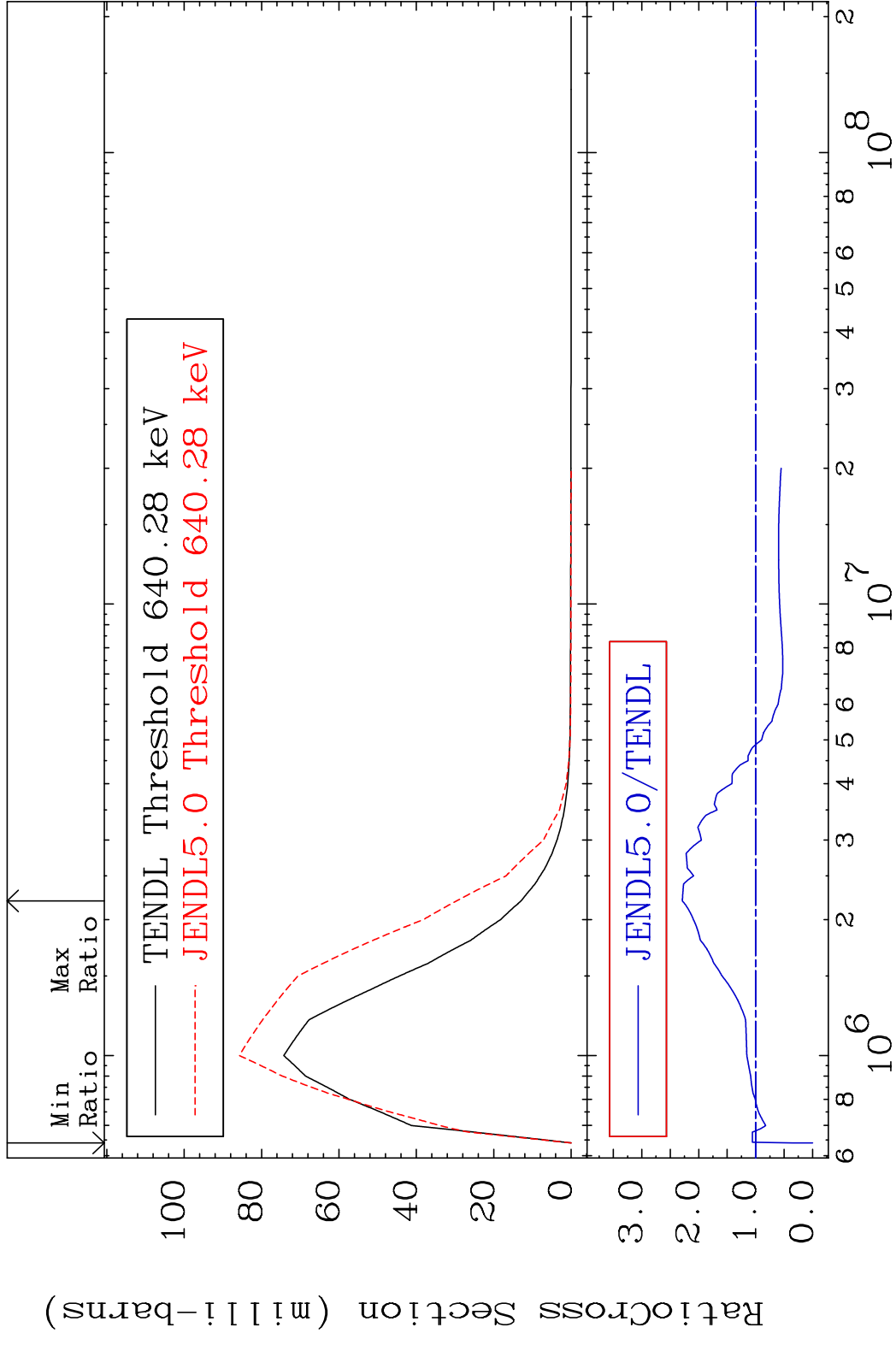
MAT 7322 MT= 62 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 209.2 %



MAT 7322 MT= 63 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 451.9 %

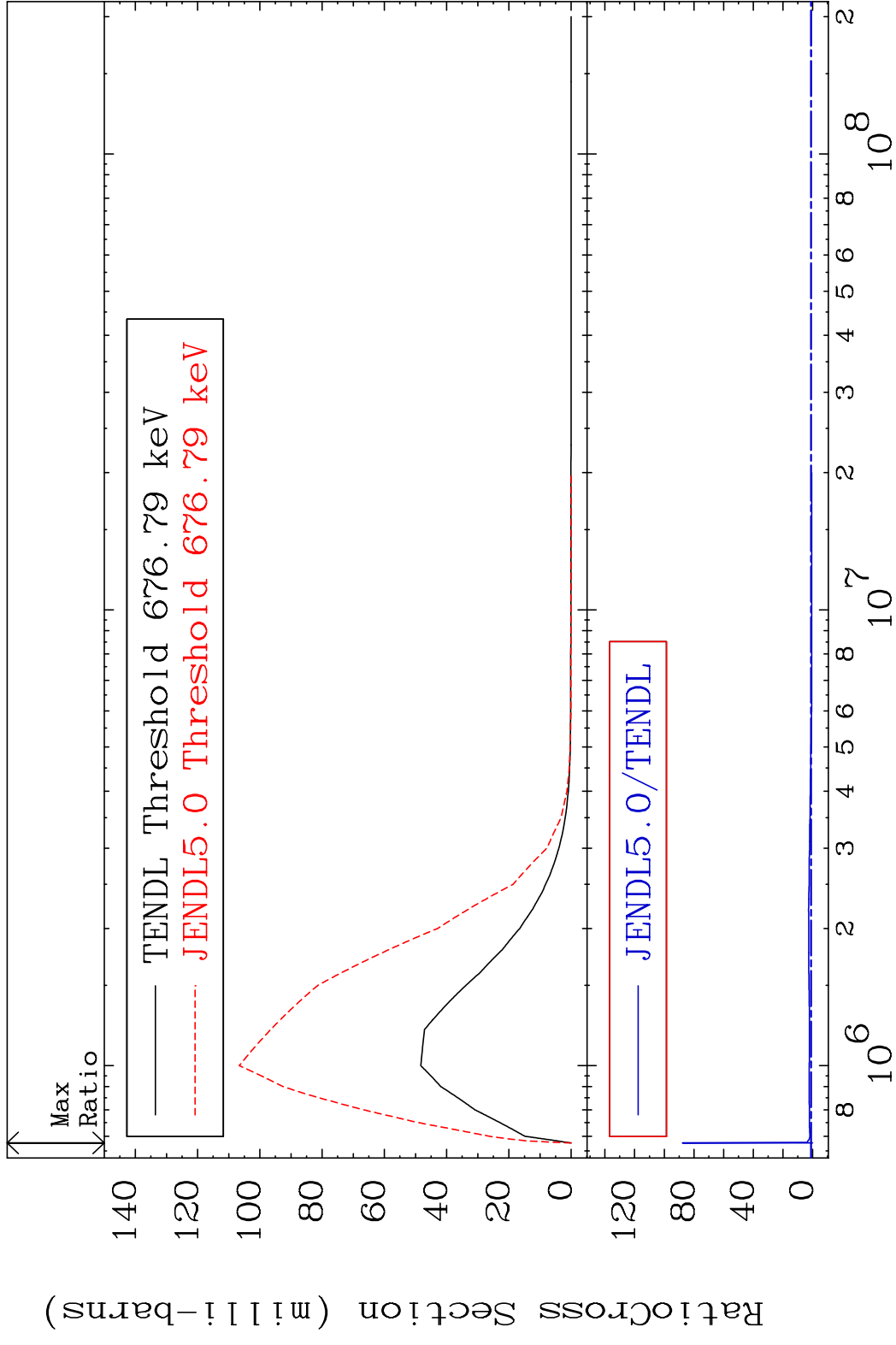


MAT 7322 MT= 64 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 128.7 %

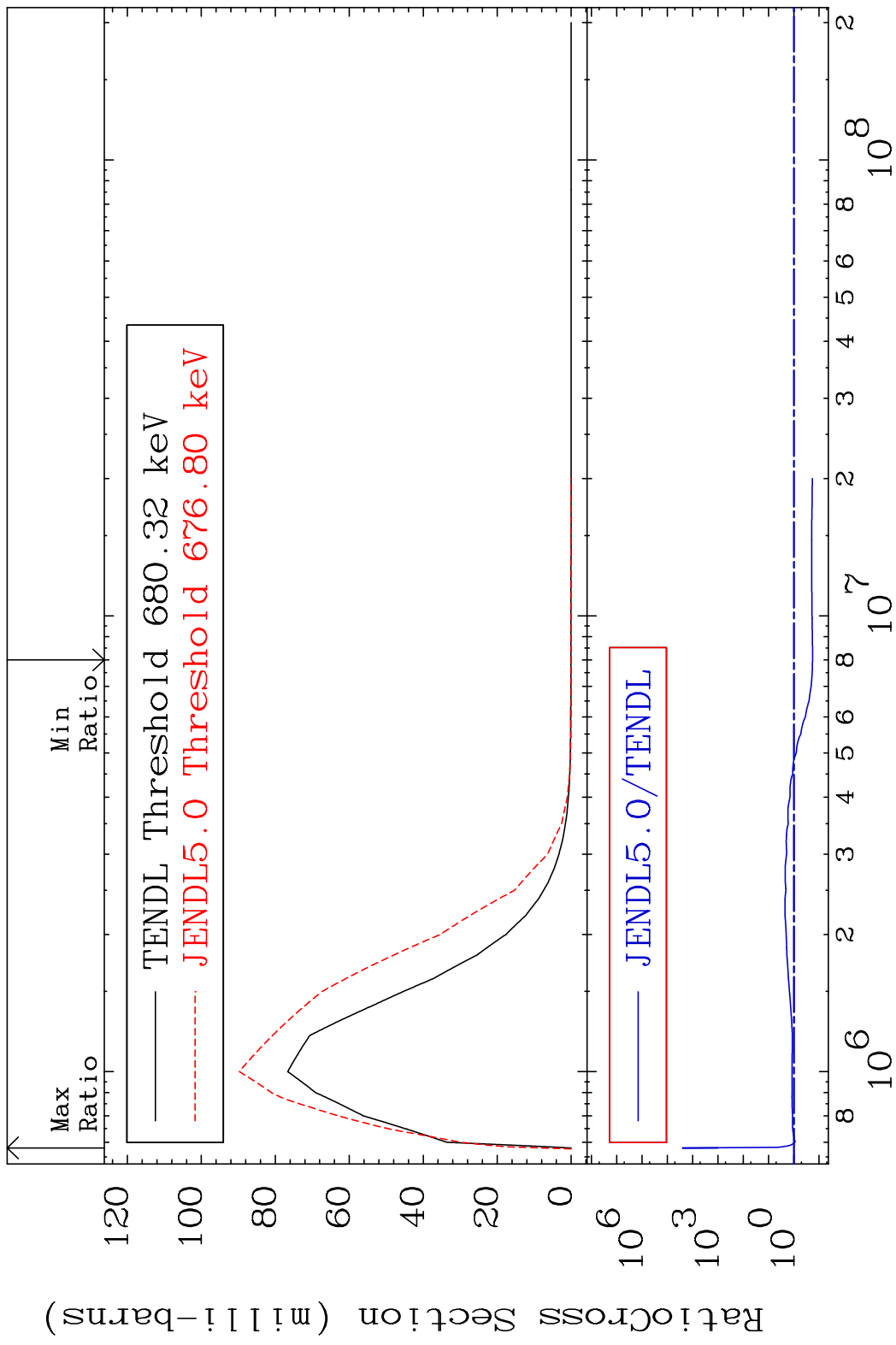




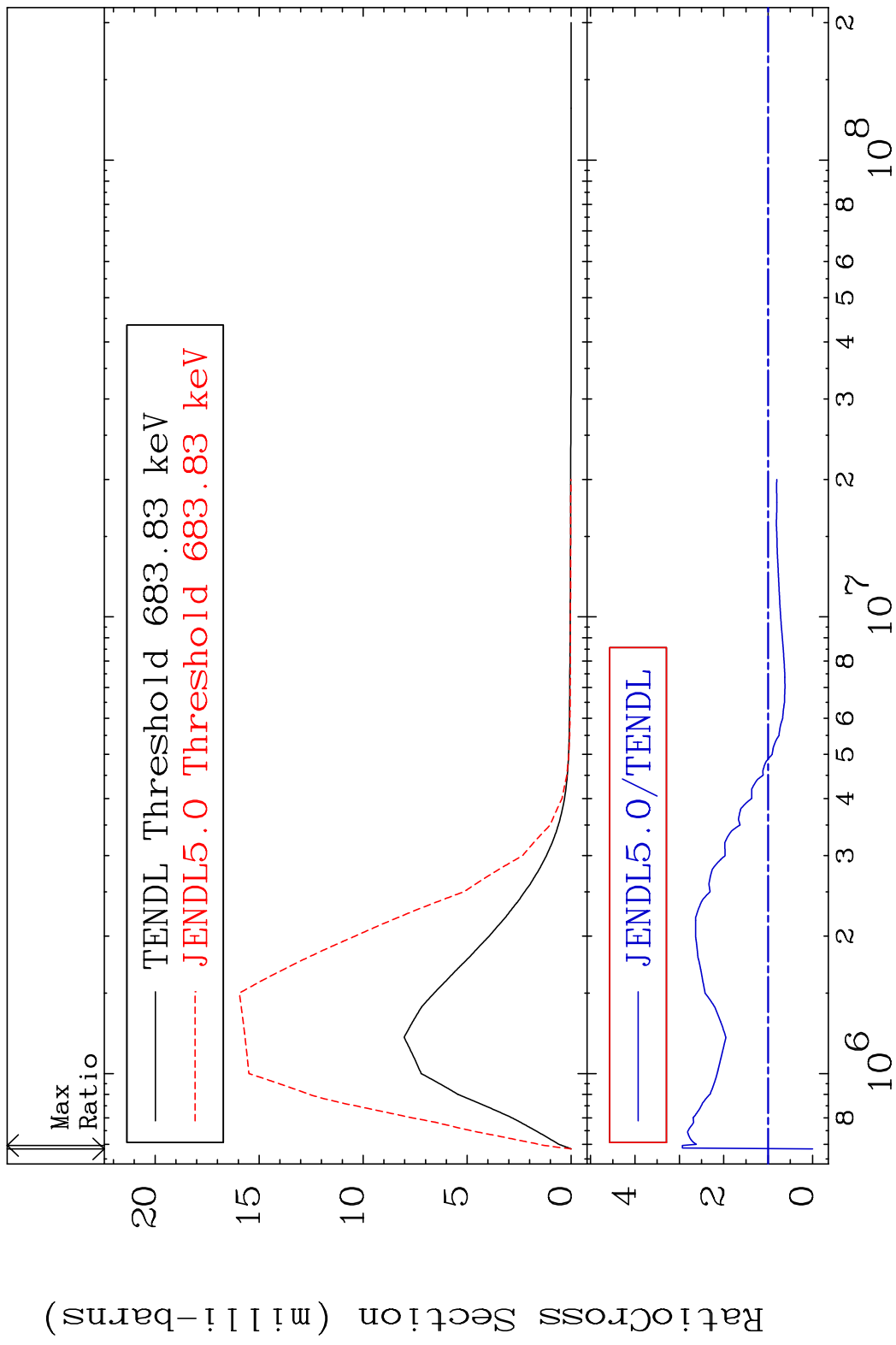
MAT 7322 MT= 65 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 8680. %



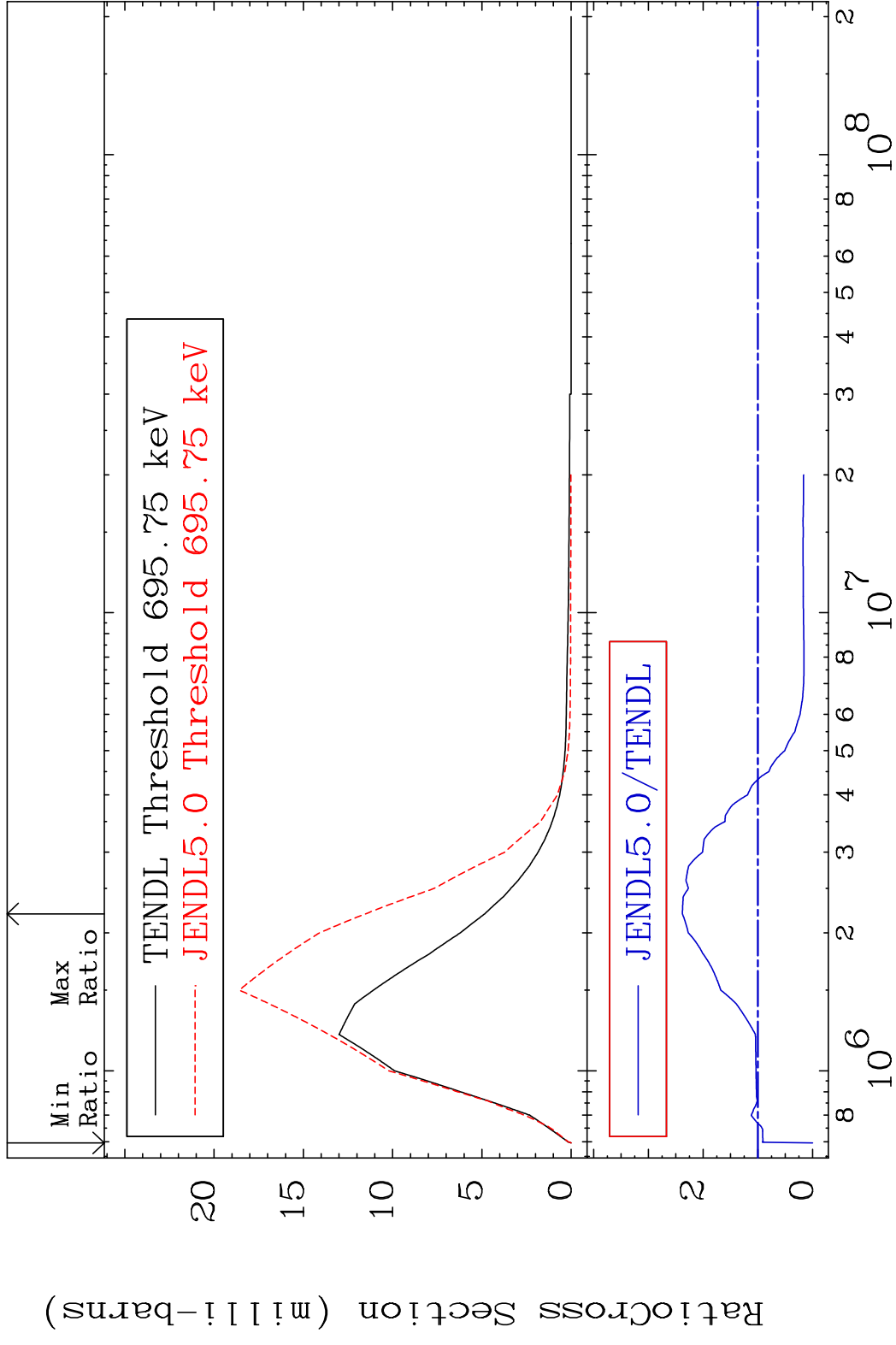
MAT 7322 MT= 66 (n,n') Level 73-Ta-179  
 Cross Section -81.86 To 9999. %



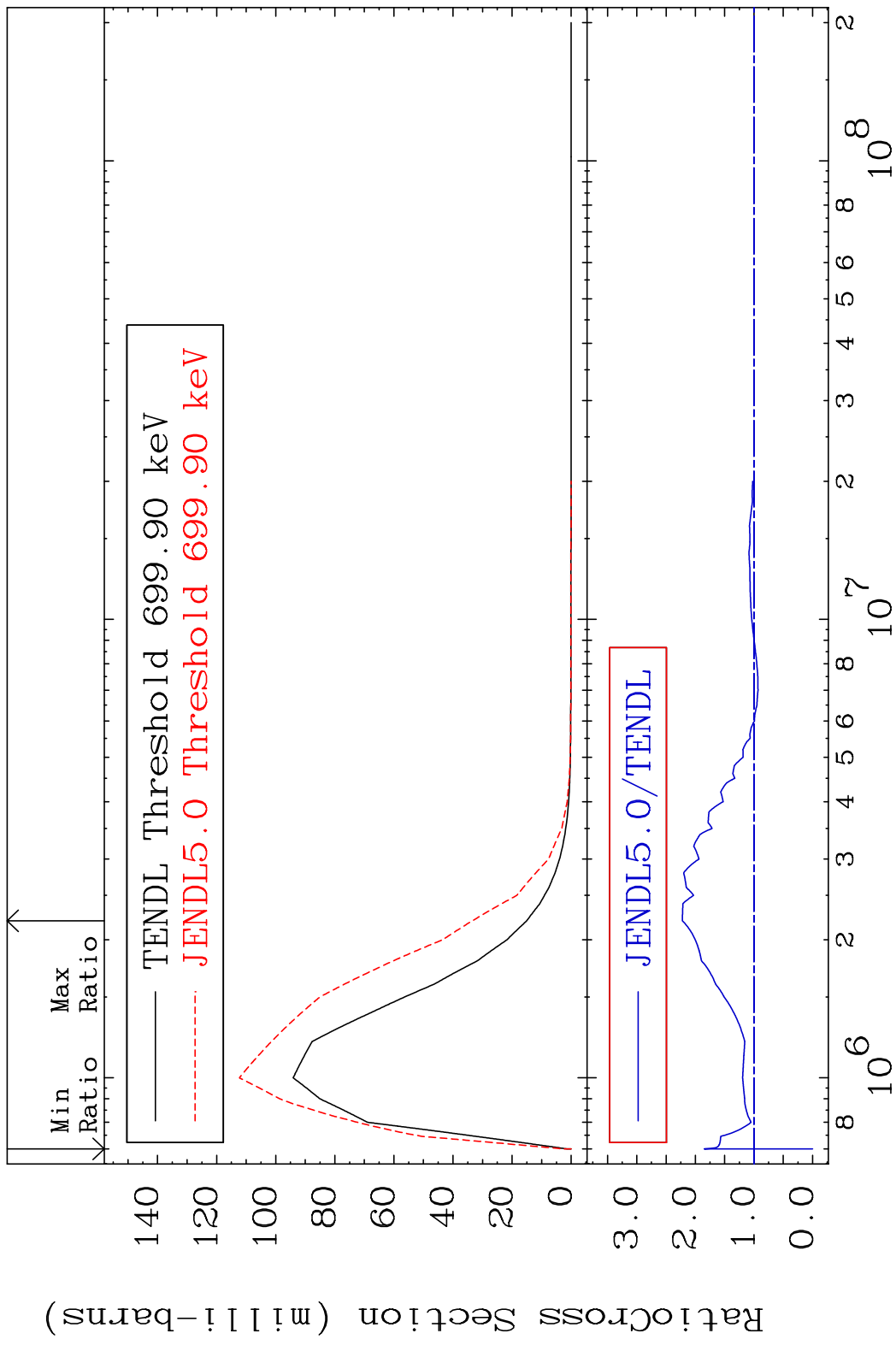
MAT 7322 MT= 67 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 193.2 %



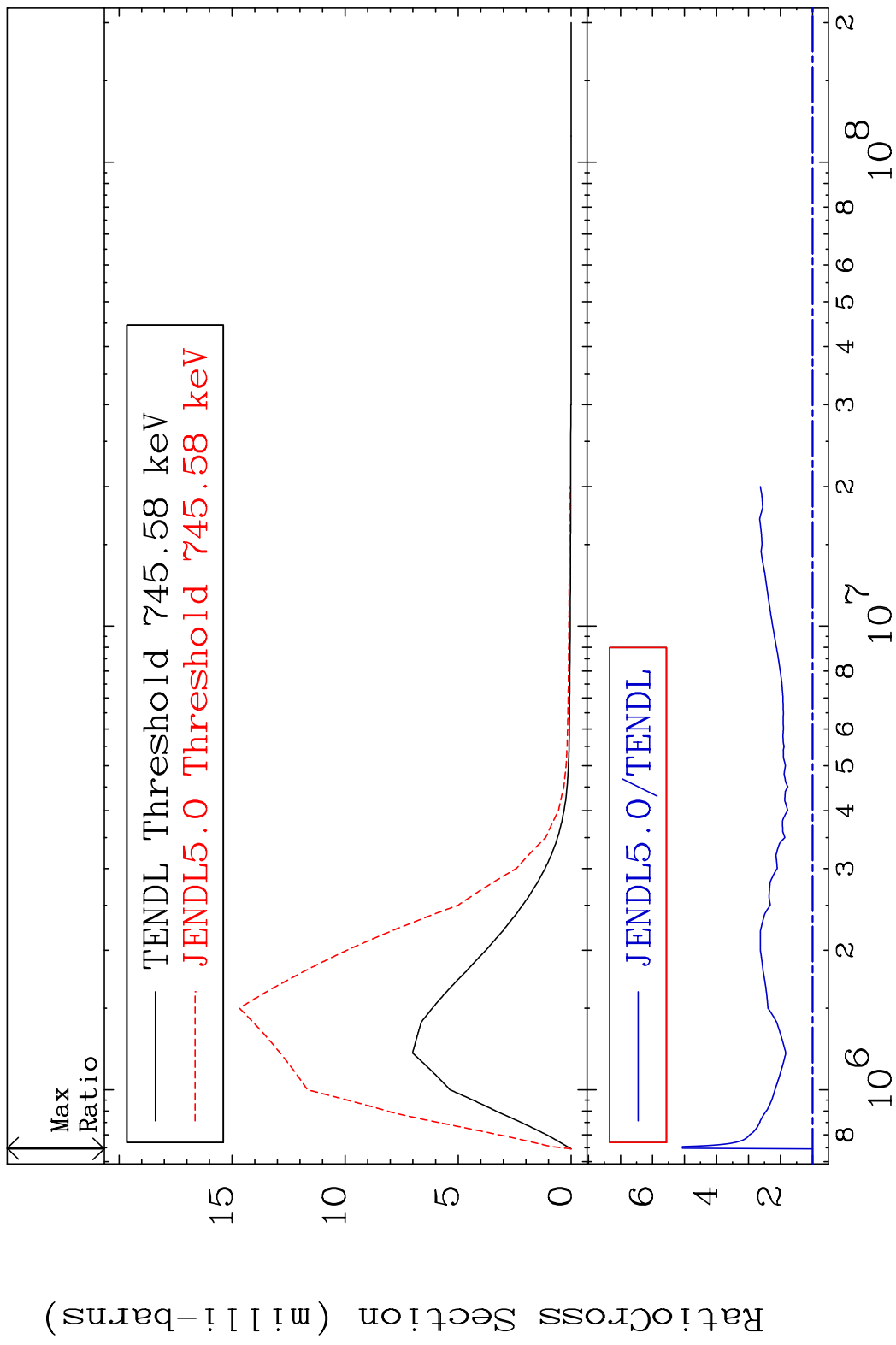
MAT 7322 MT= 68 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 138.0 %



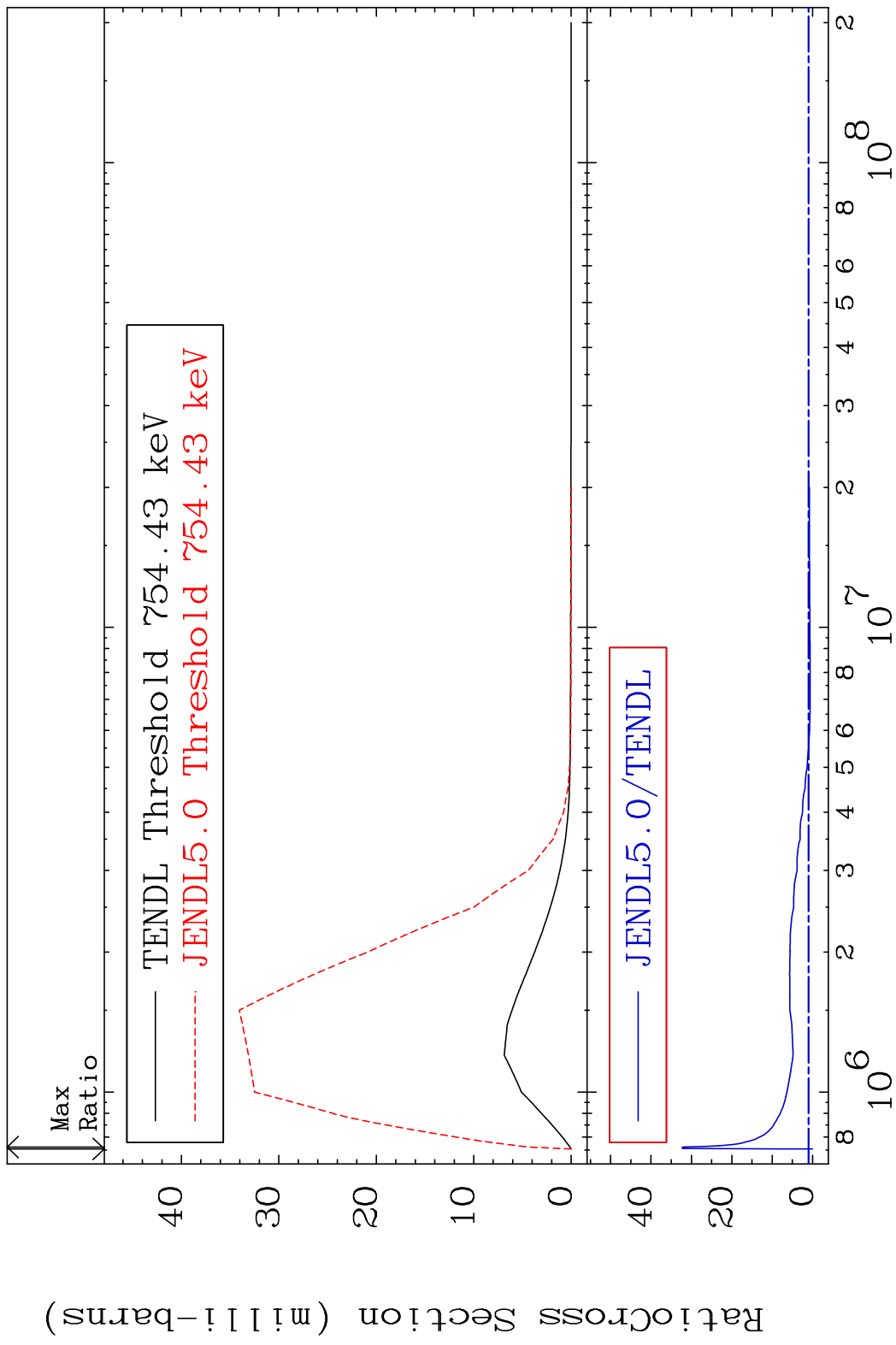
MAT 7322 MT= 69 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 122.3 %



MAT 7322 MT= 70 (n,n') Level 73-Ta-179  
 Cross Section 0.000 To 406.7 %

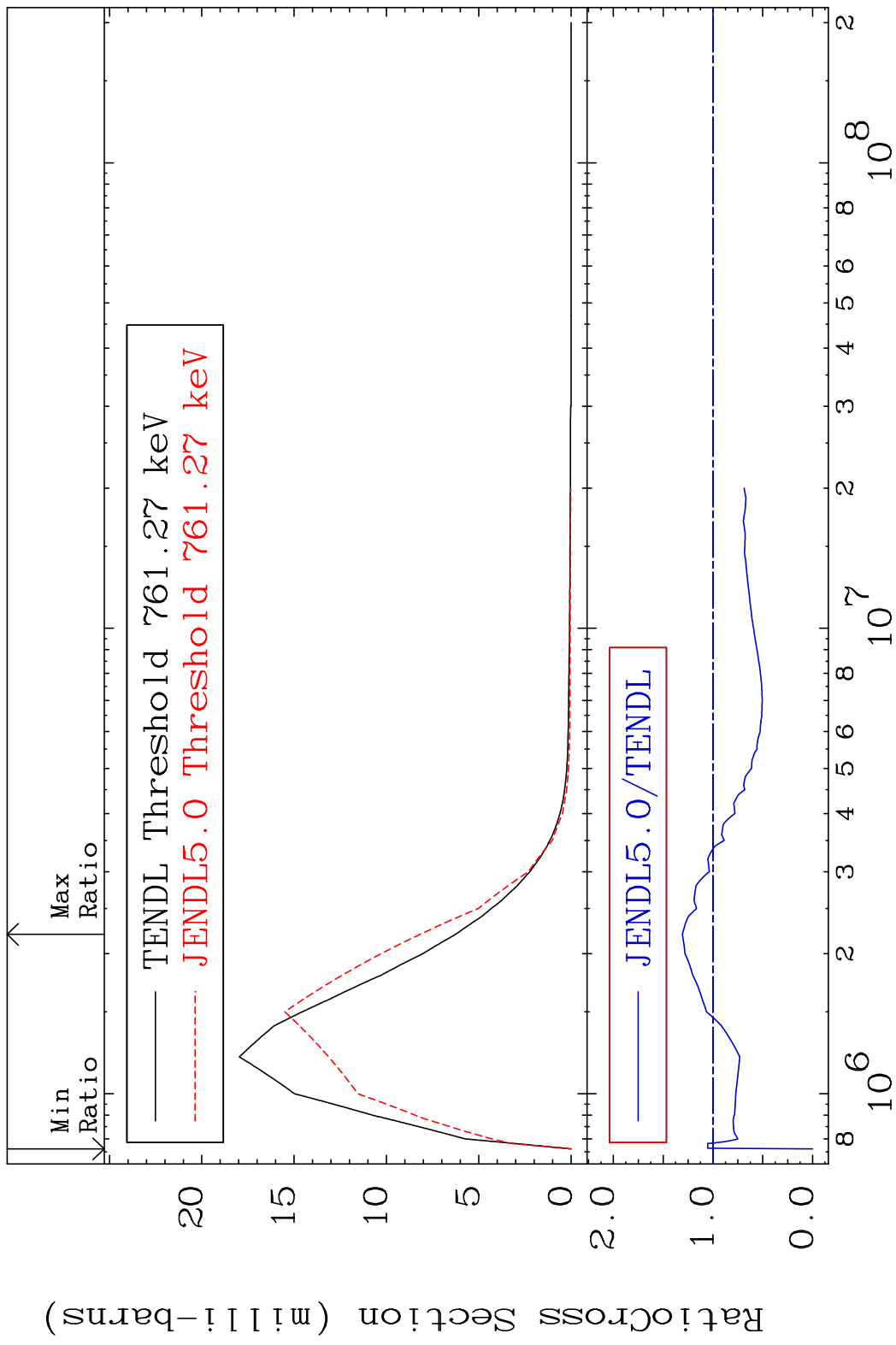


MAT 7322 MT= 71 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 3124. %



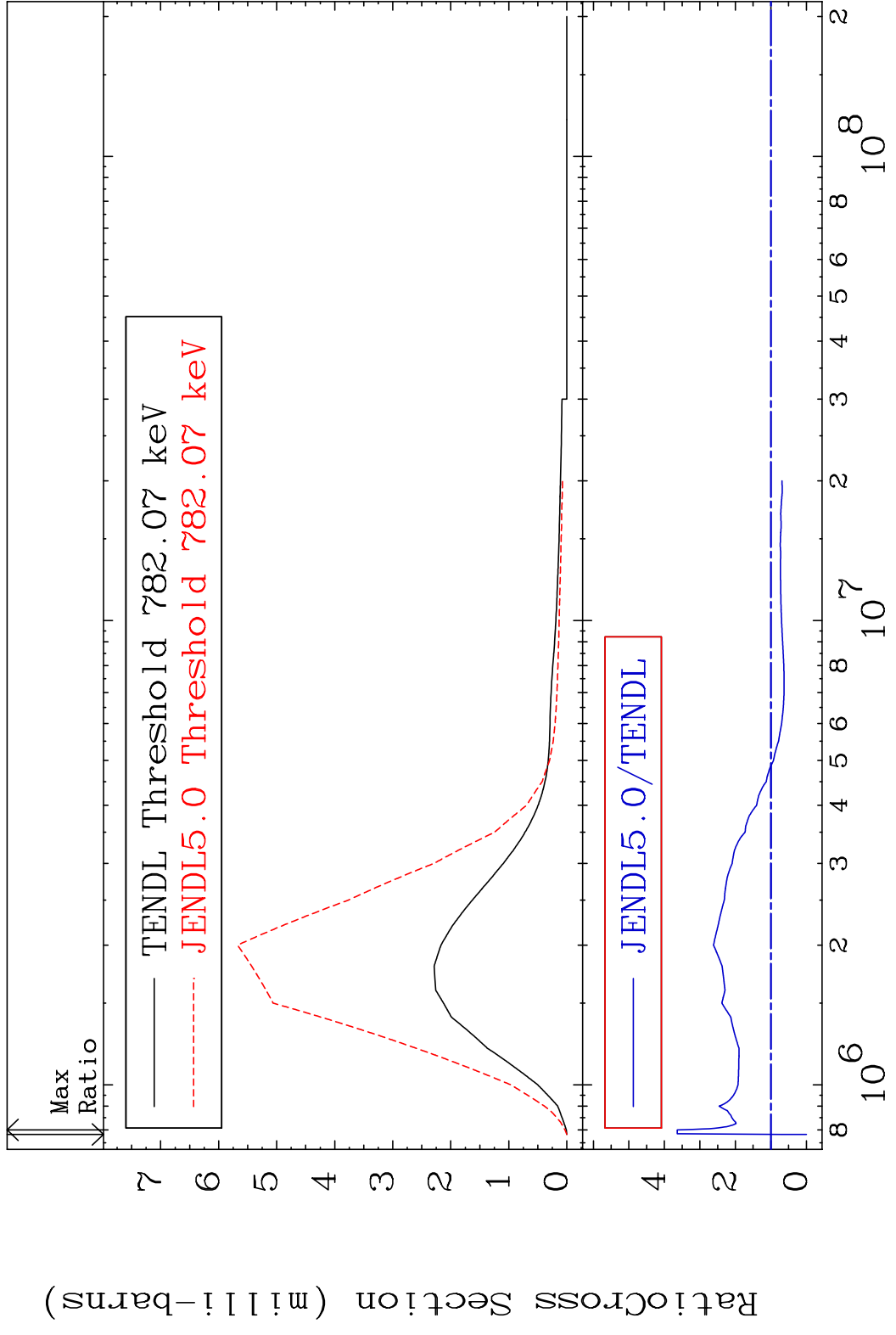
30 Incident Energy (eV) 73-Ta-179

MAT 7322 MT= 72 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 30.74 %

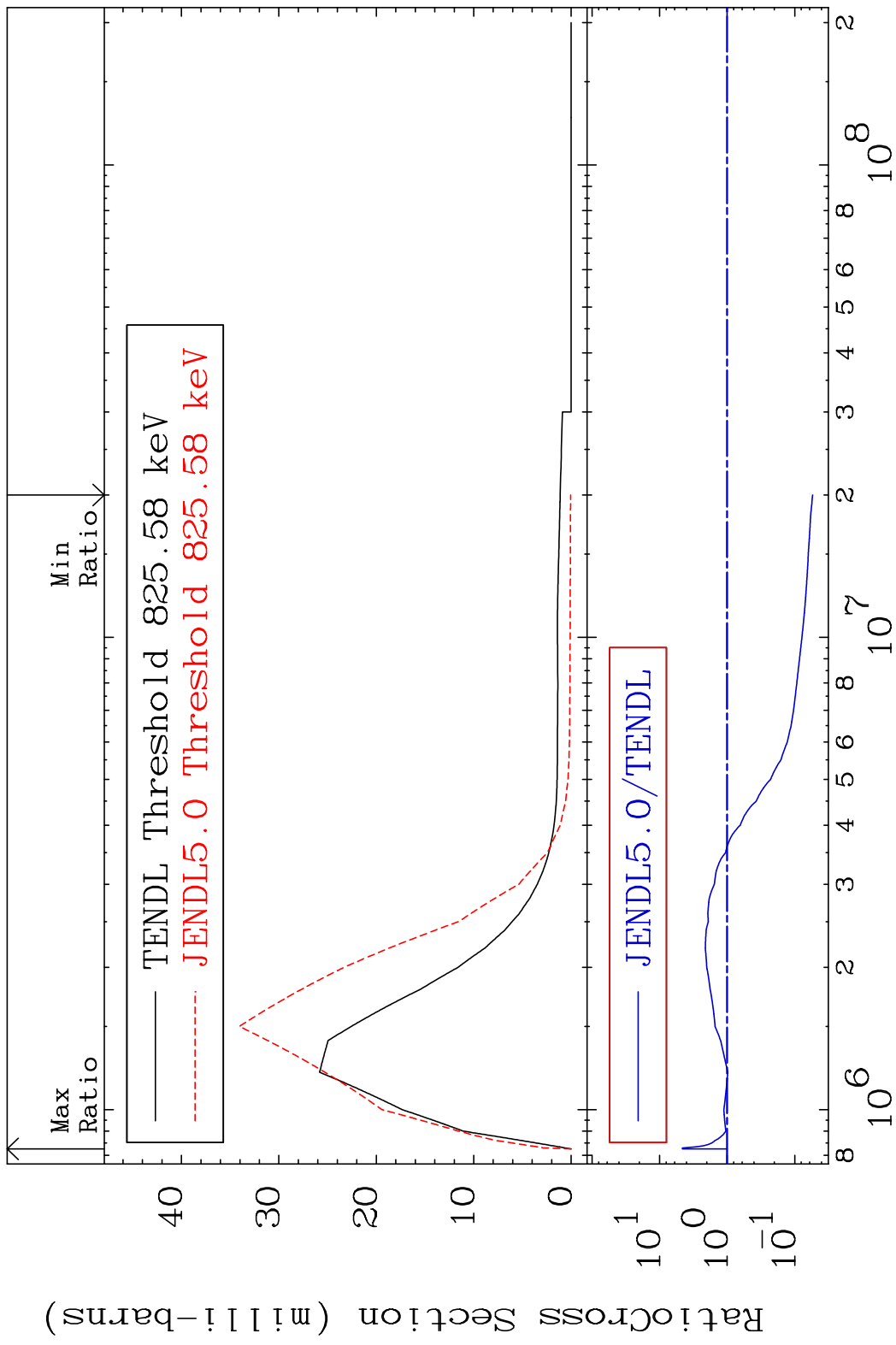




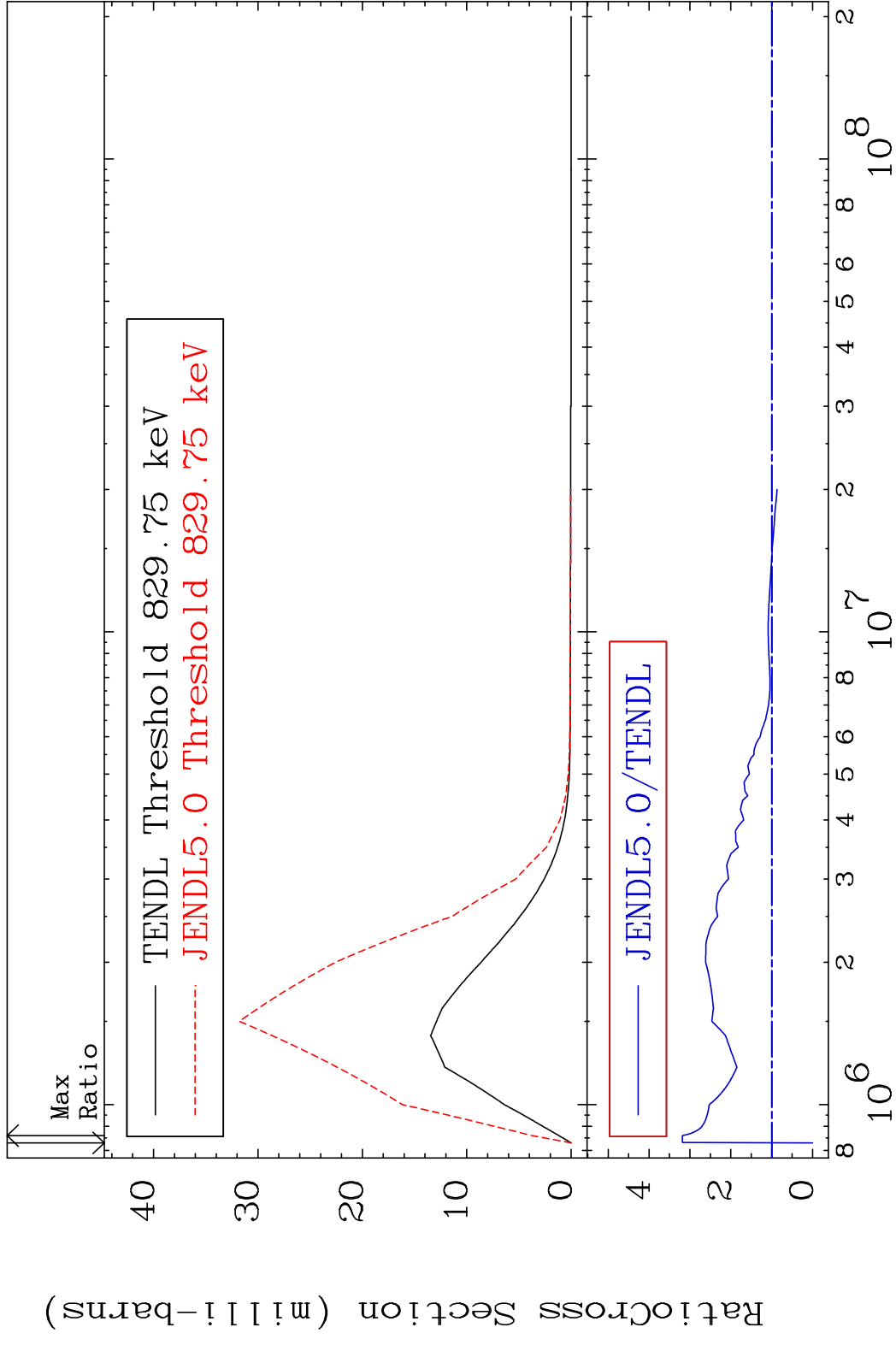
MAT 7322 MT= 73 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 264.0 %



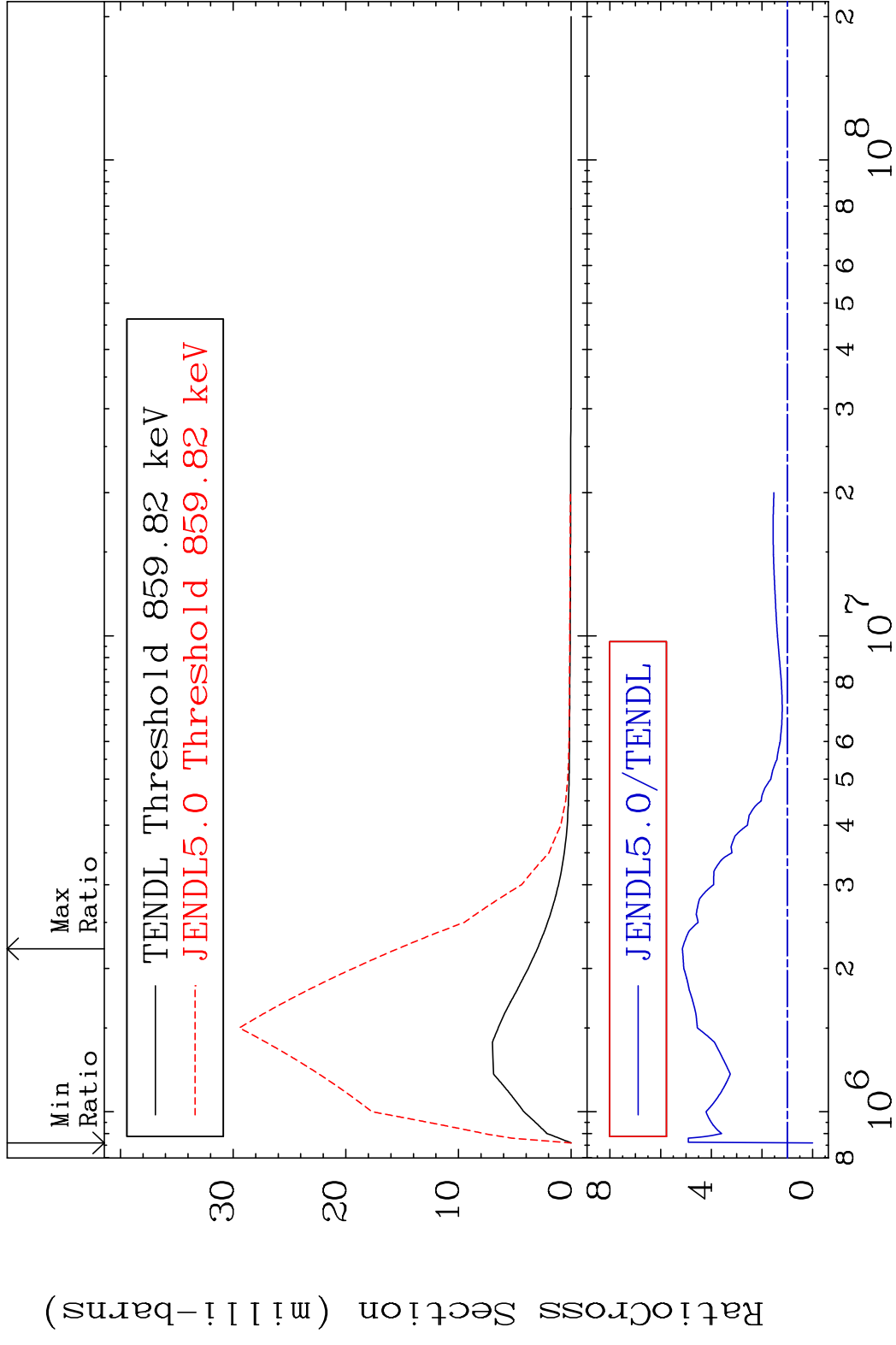
MAT 7322 MT= 74 (n, n') Level 73-Ta-179  
 Cross Section -94.56 To 360.7 %



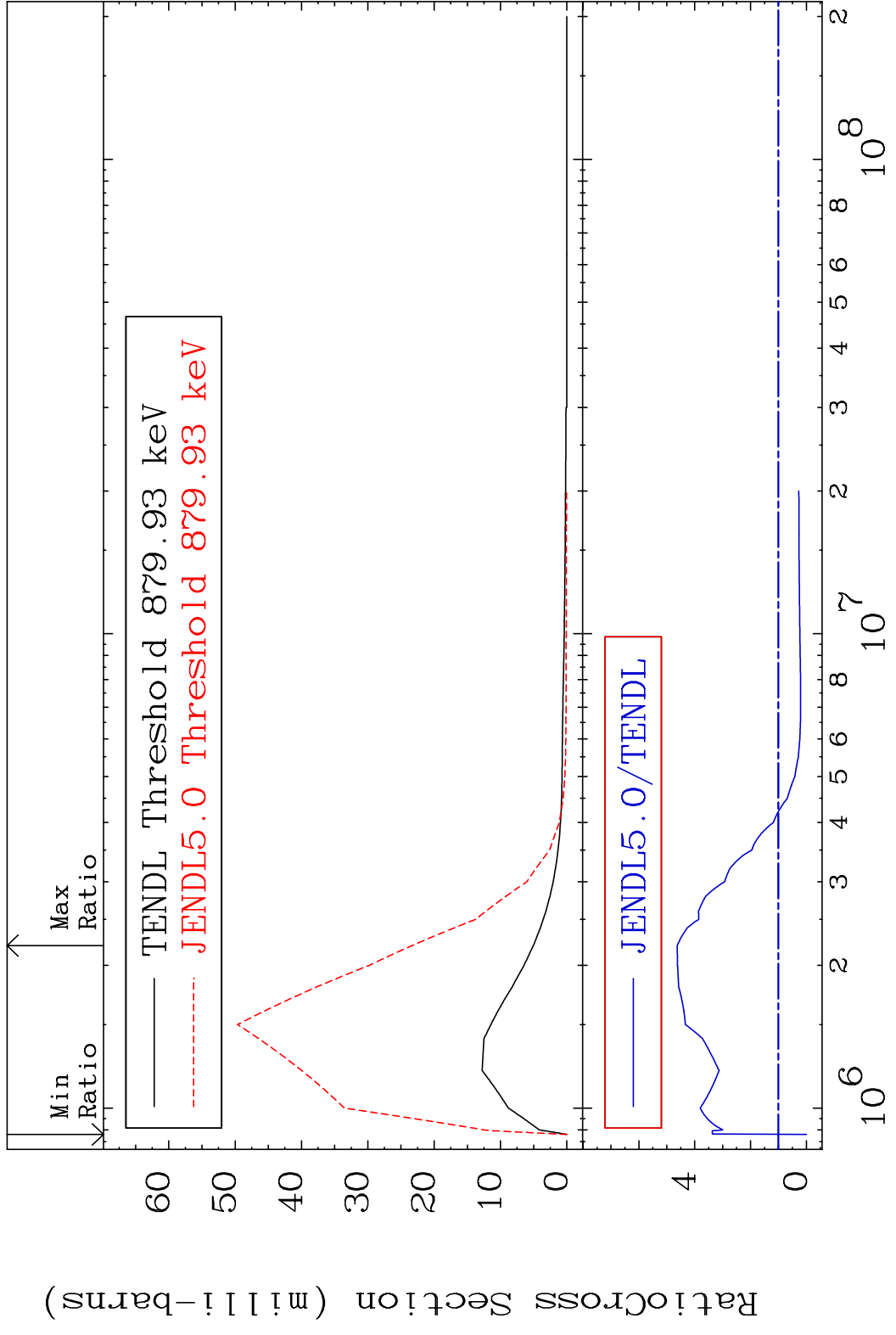
MAT 7322 MT= 75 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 218.6 %



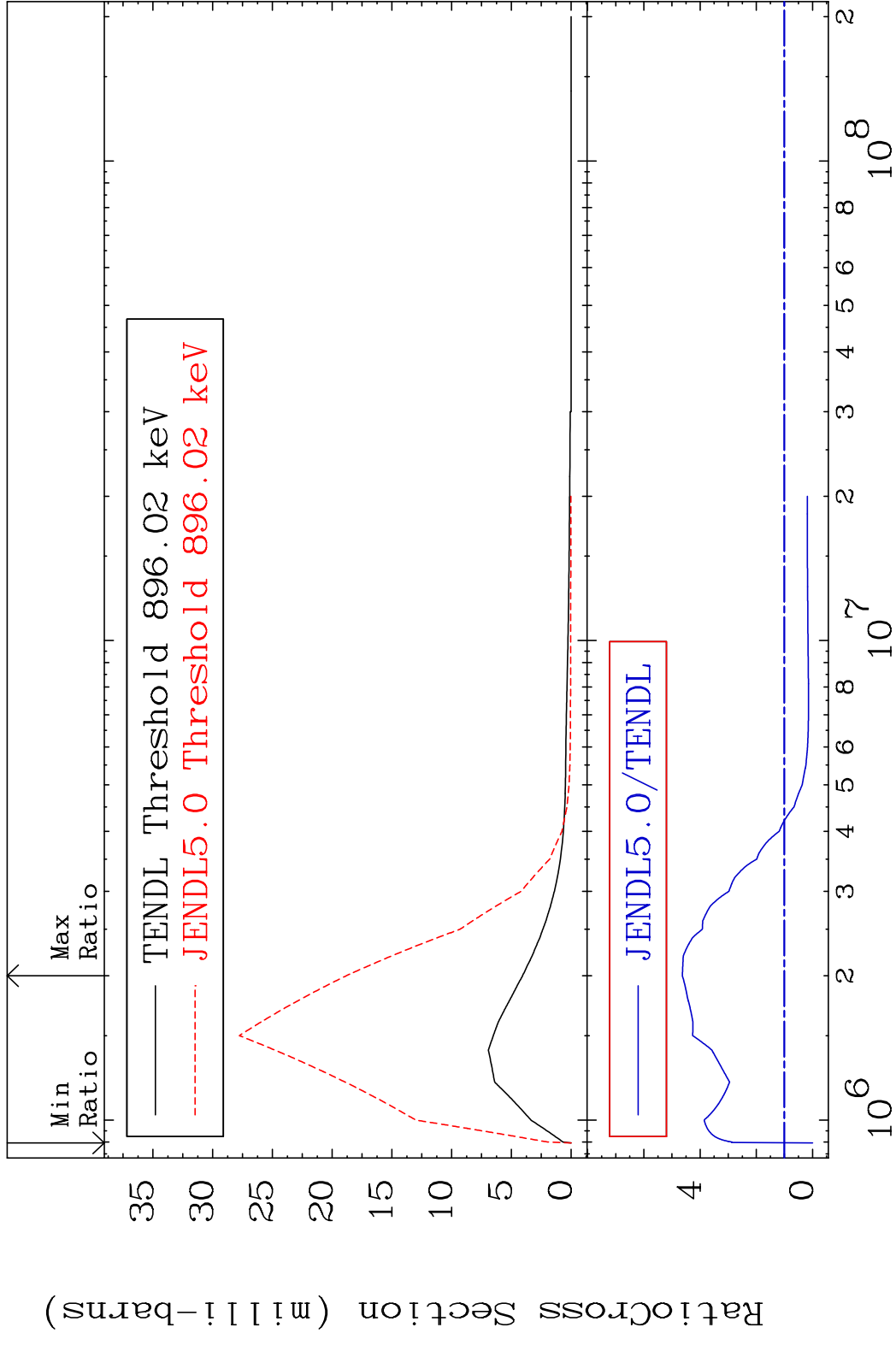
MAT 7322 MT= 76 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 414.2 %



MAT 7322 MT= 77 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 362.8 %



MAT 7322 MT= 78 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 363.1 %

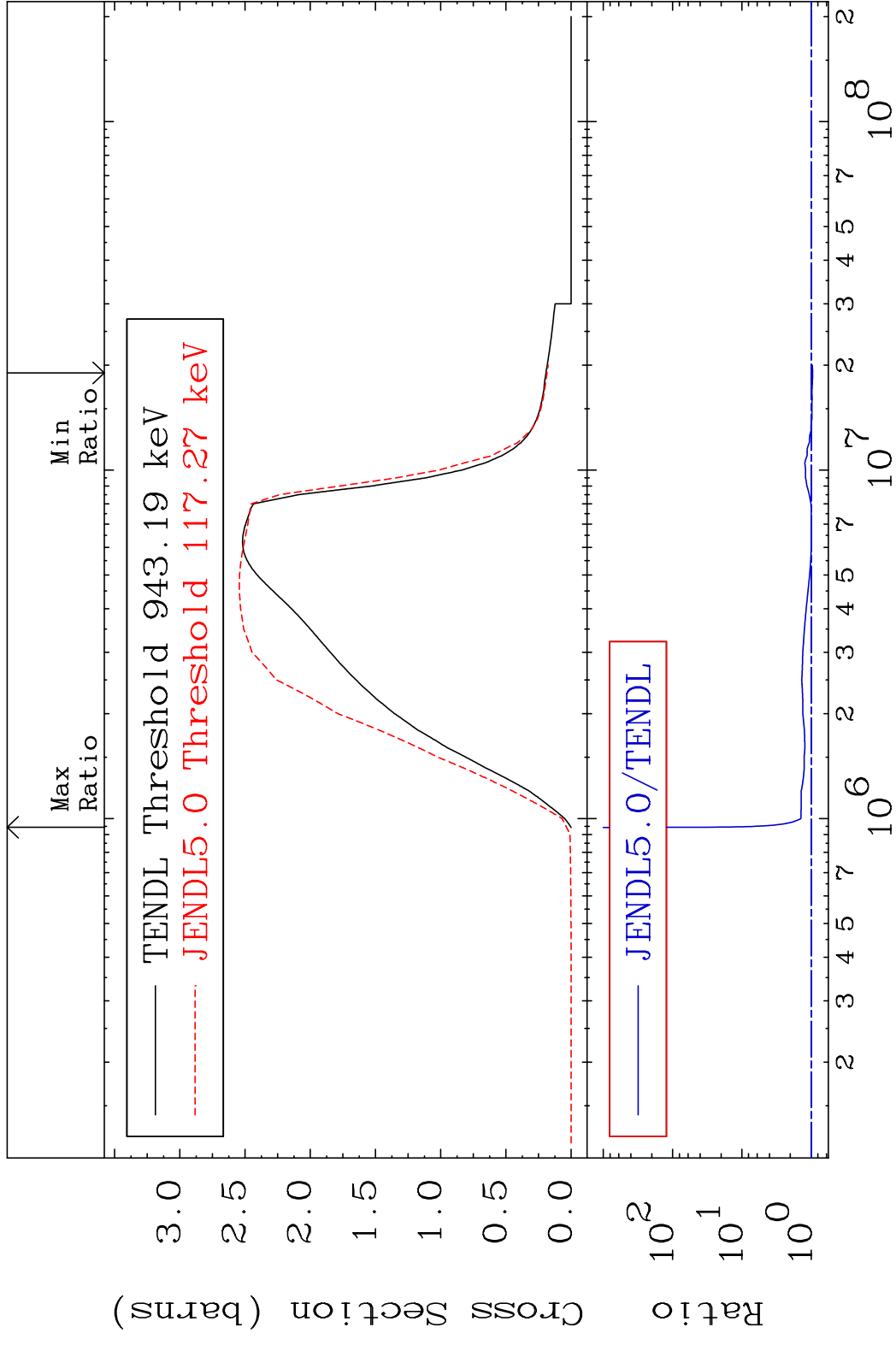


MAT 7322

(n, n') Continuum

73-Ta-179

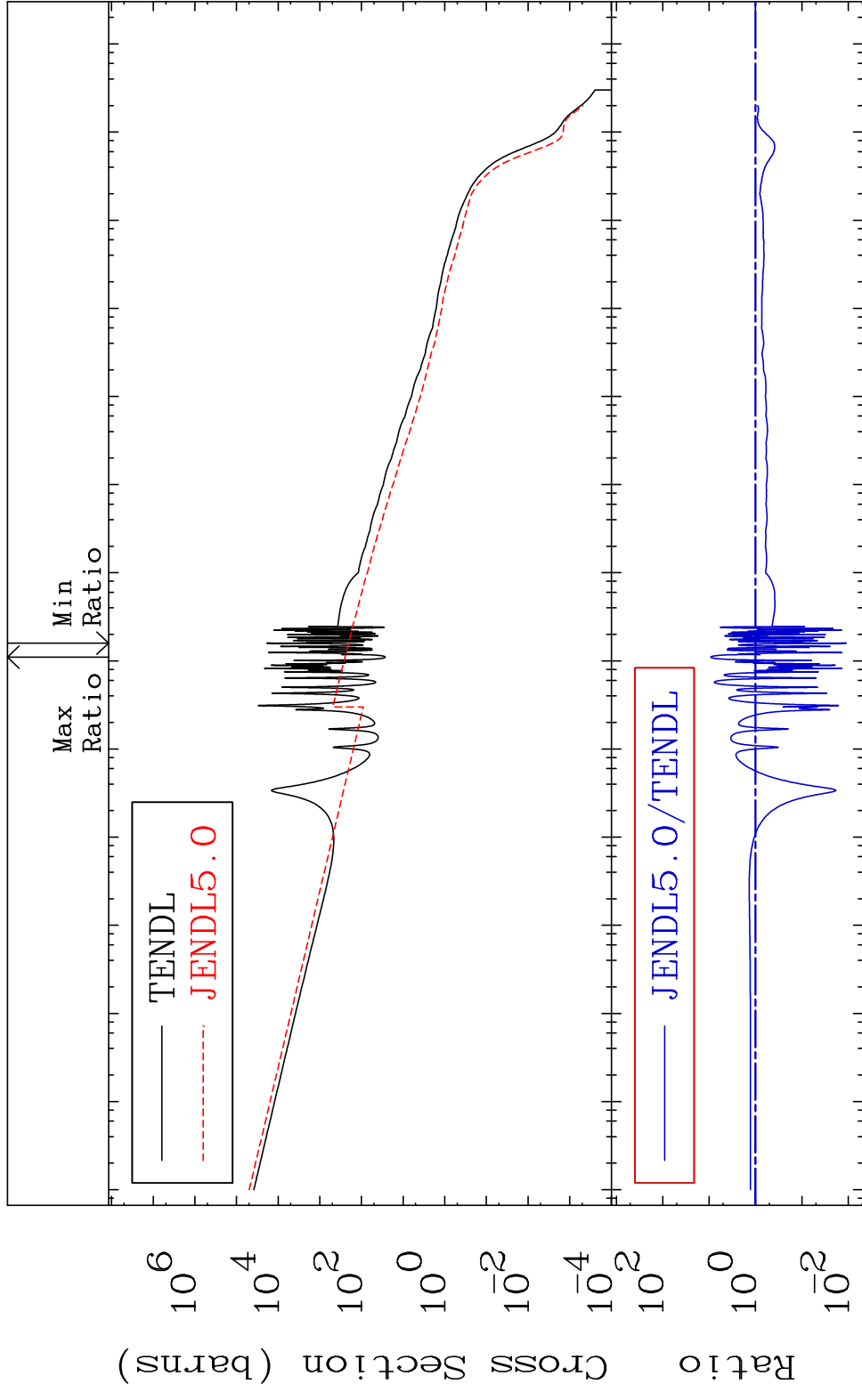
Cross Section -4.300 To 7133. %



MAT 7322

(n,  $\gamma$ )  
Cross Section -98.90 To 824.4 %

73-Ta-179



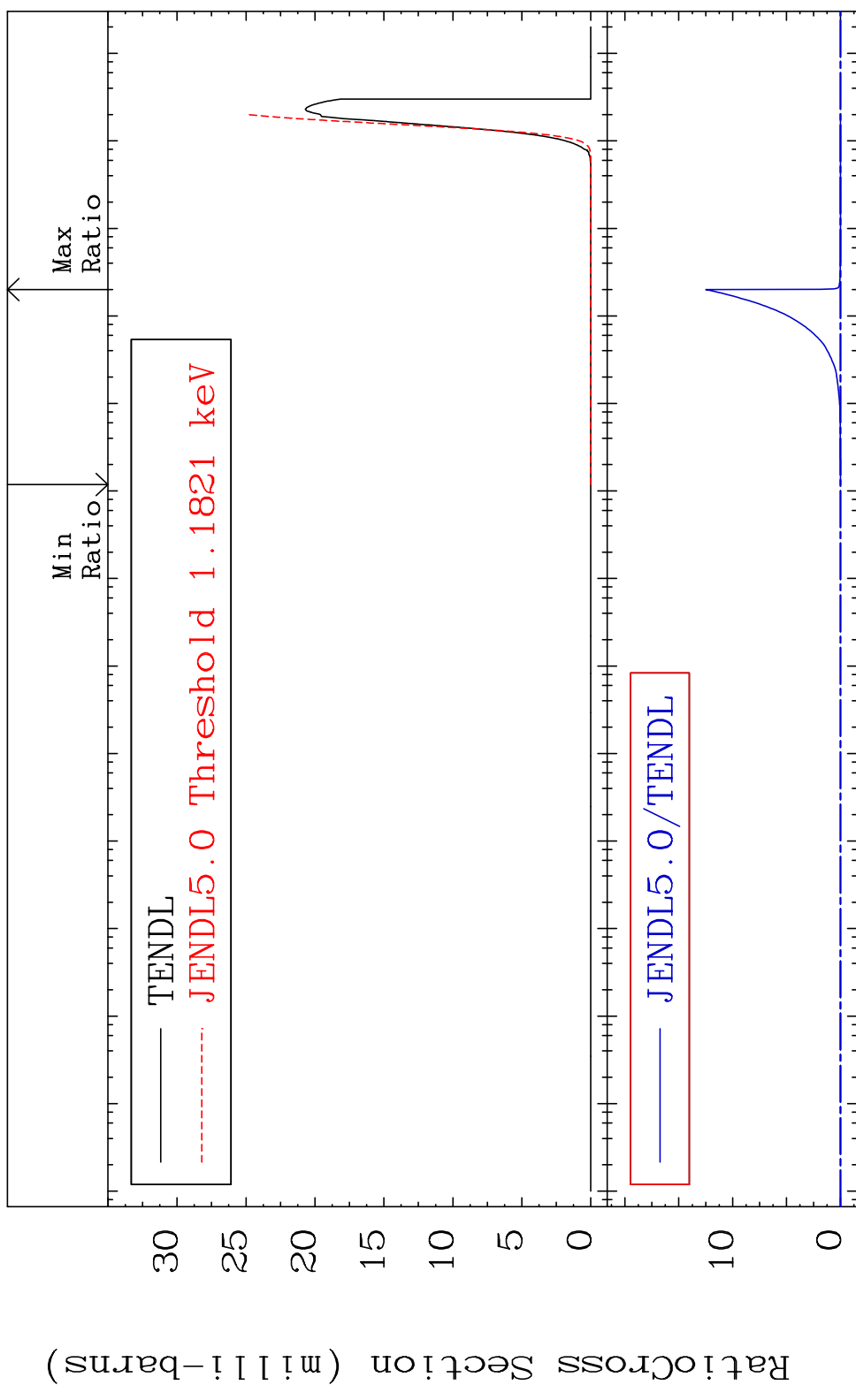


MAT 7322

(n, p)

73-Ta-179

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

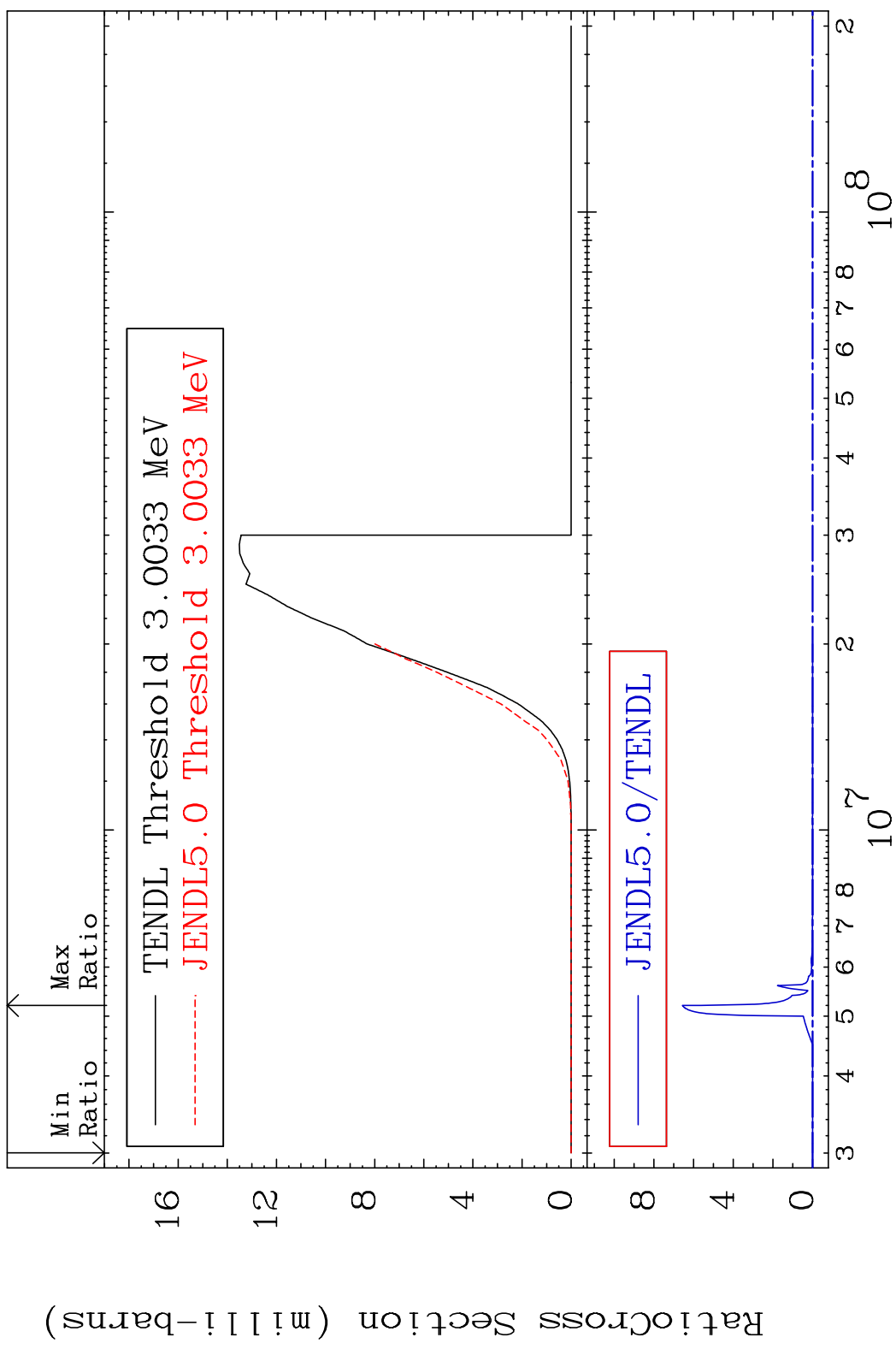
73-Ta-179

MAT 7322

(n,d)

73-Ta-179

Cross Section -100.0 To 9999. %

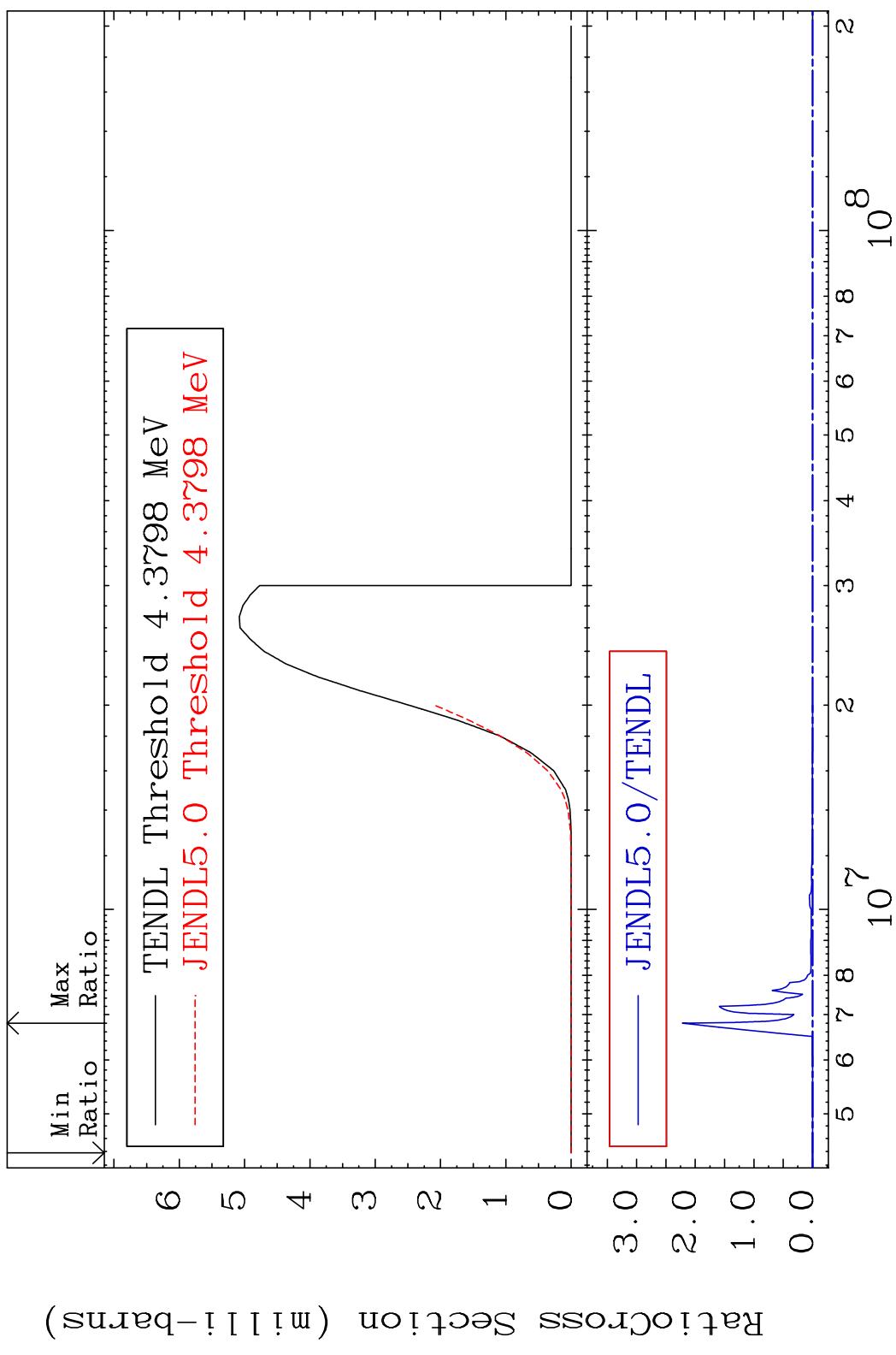


MAT 7322

(n, t)

73-Ta-179

Cross Section -100.0 To 9999. %

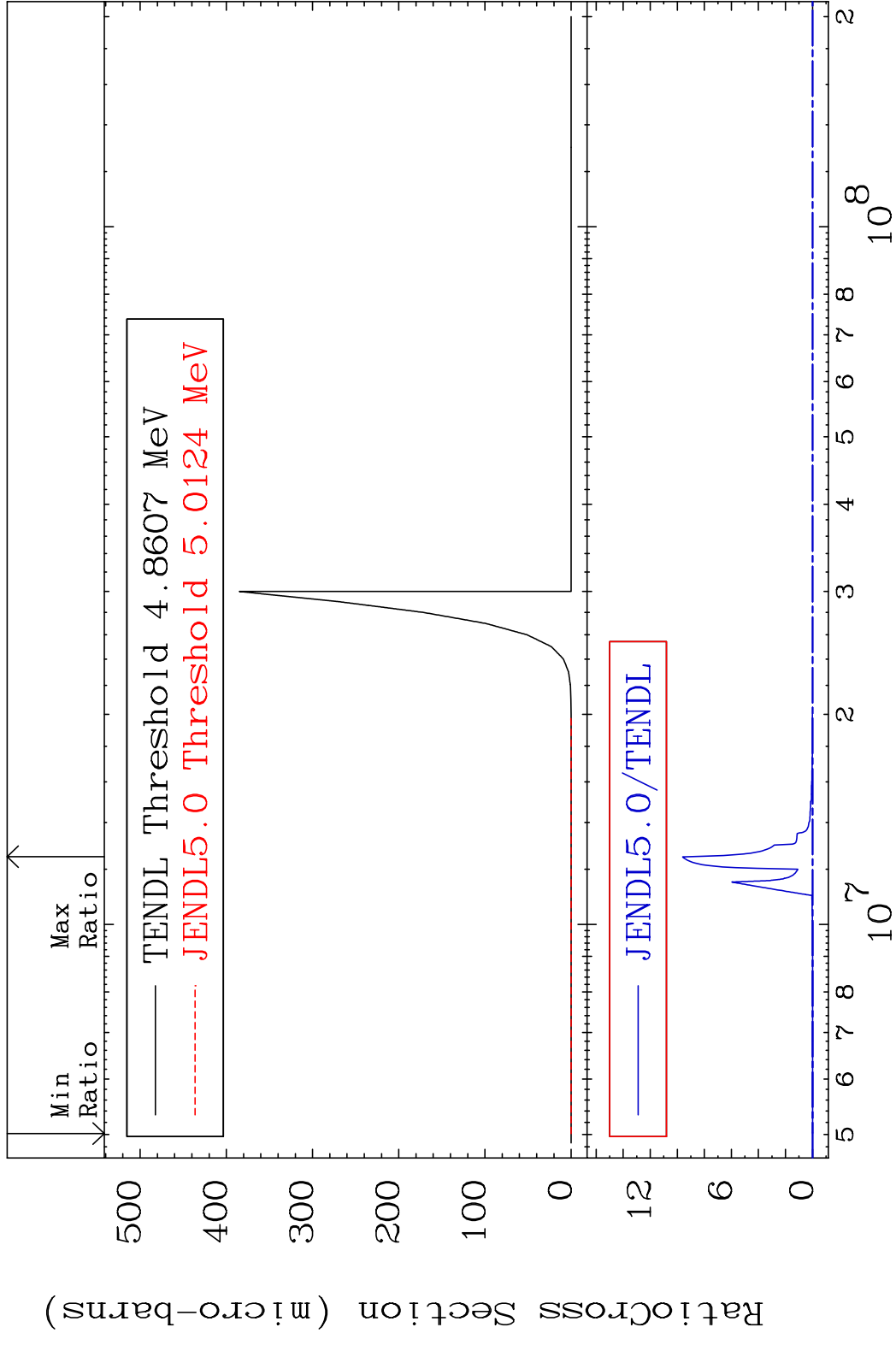


MAT 7322

(n, He-3)

73-Ta-179

Cross Section -100.0 To 9999. %

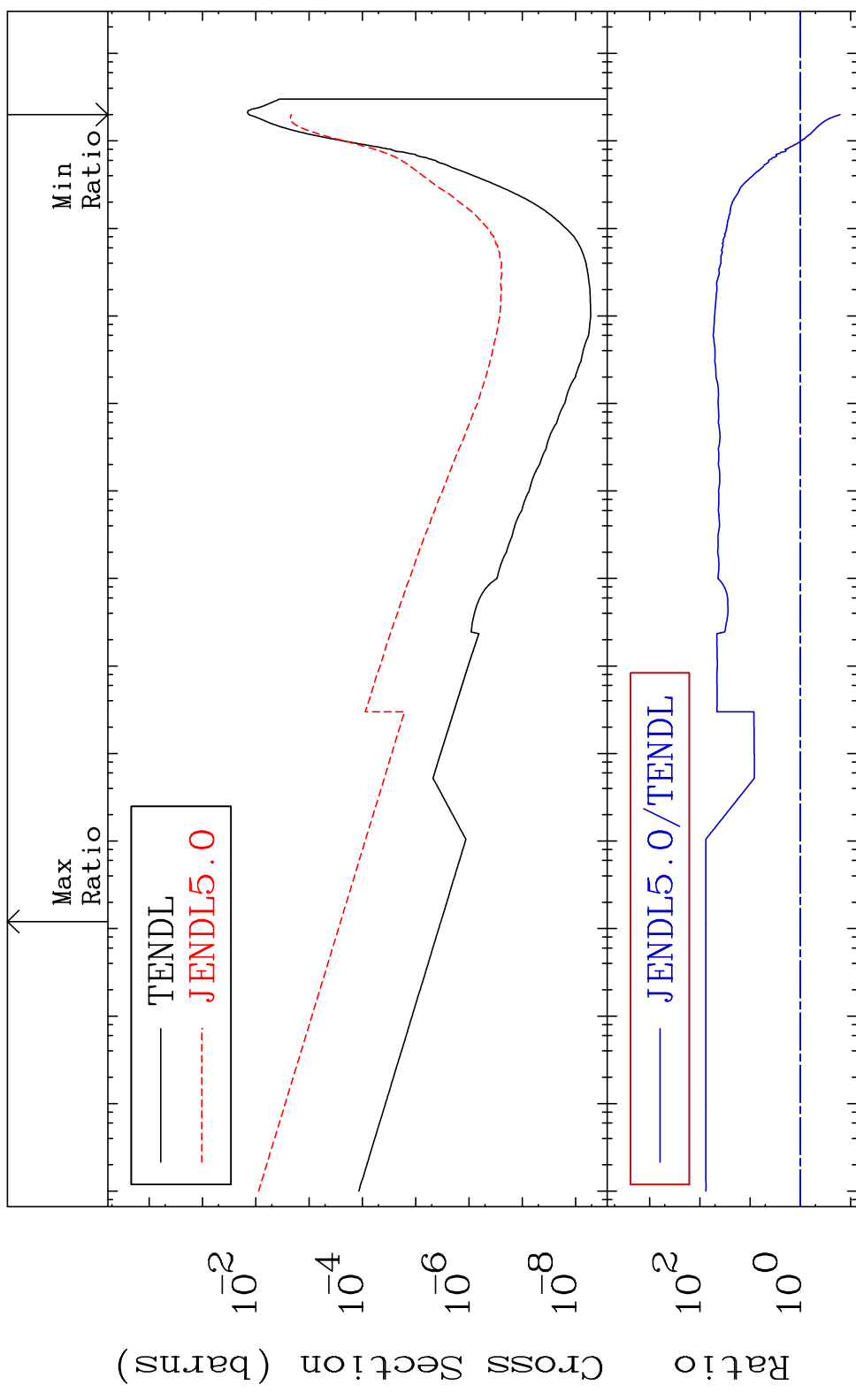


MAT 7322

(n,  $\alpha$ )

73-Ta-179

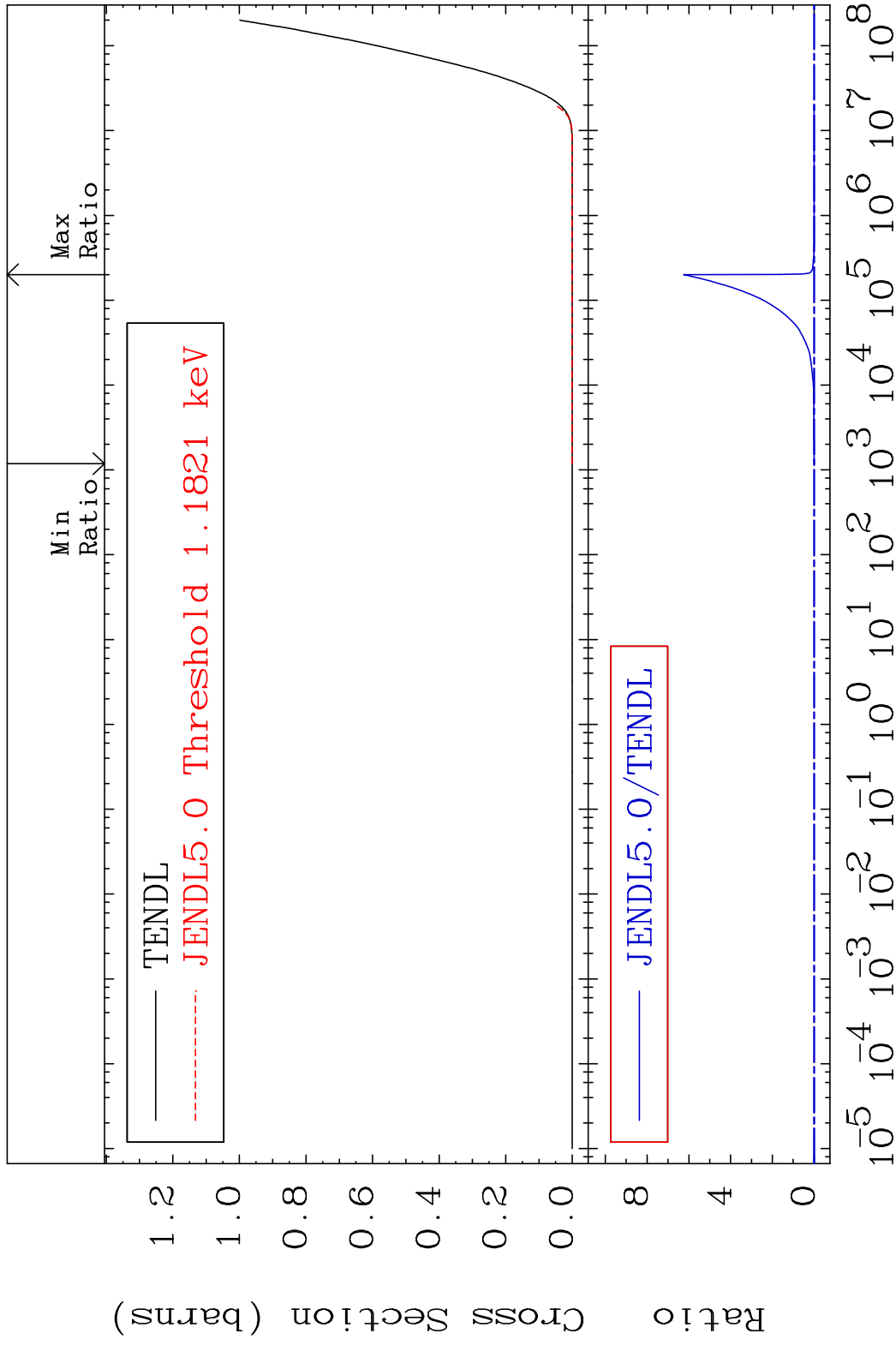
Cross Section -84.11 To 7530. %



MAT 7322

Hydrogen Production 73-Ta-179

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

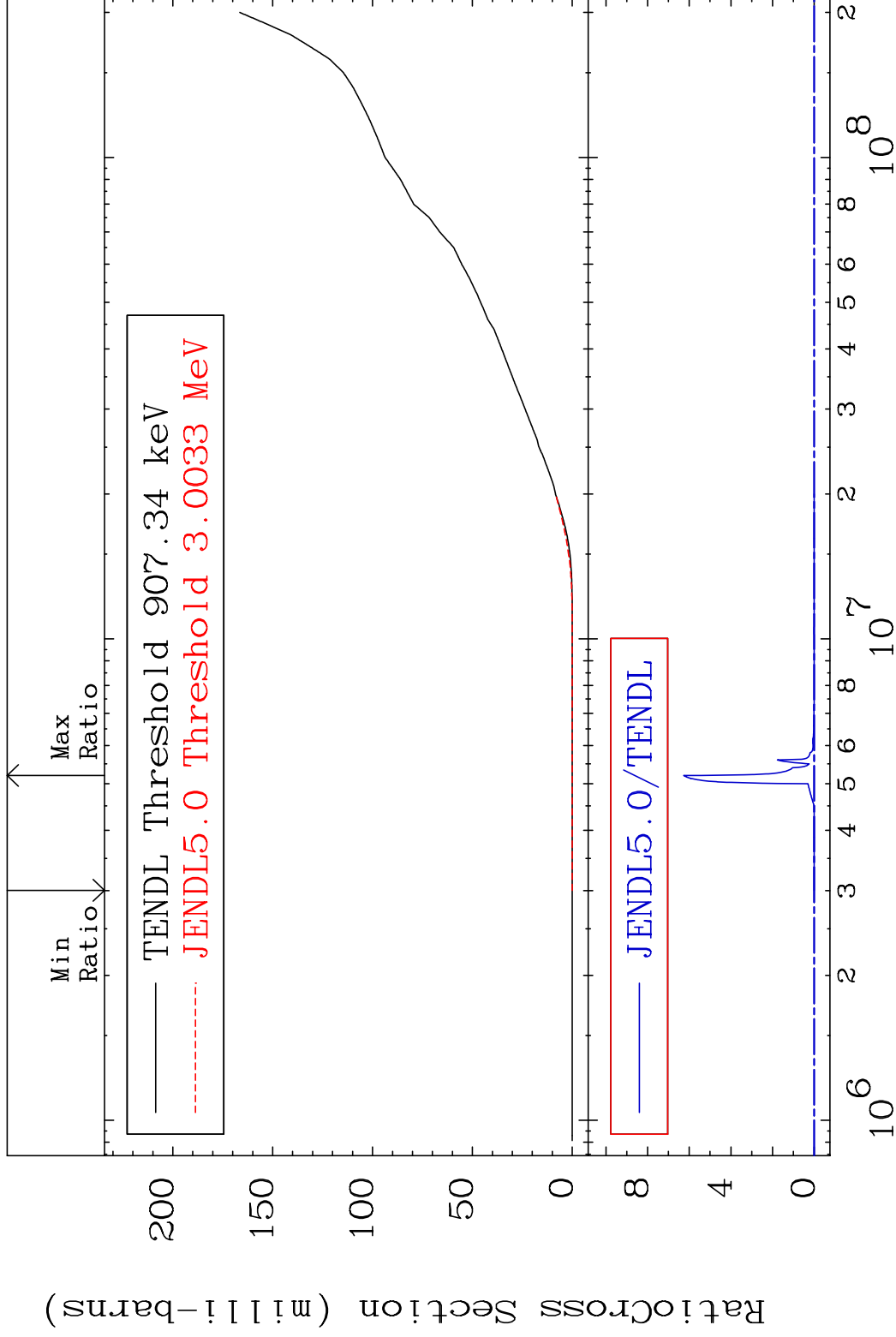
73-Ta-179

MAT 7322

Deuterium Production

73-Ta-179

Cross Section -100.0 To 9999. %



46

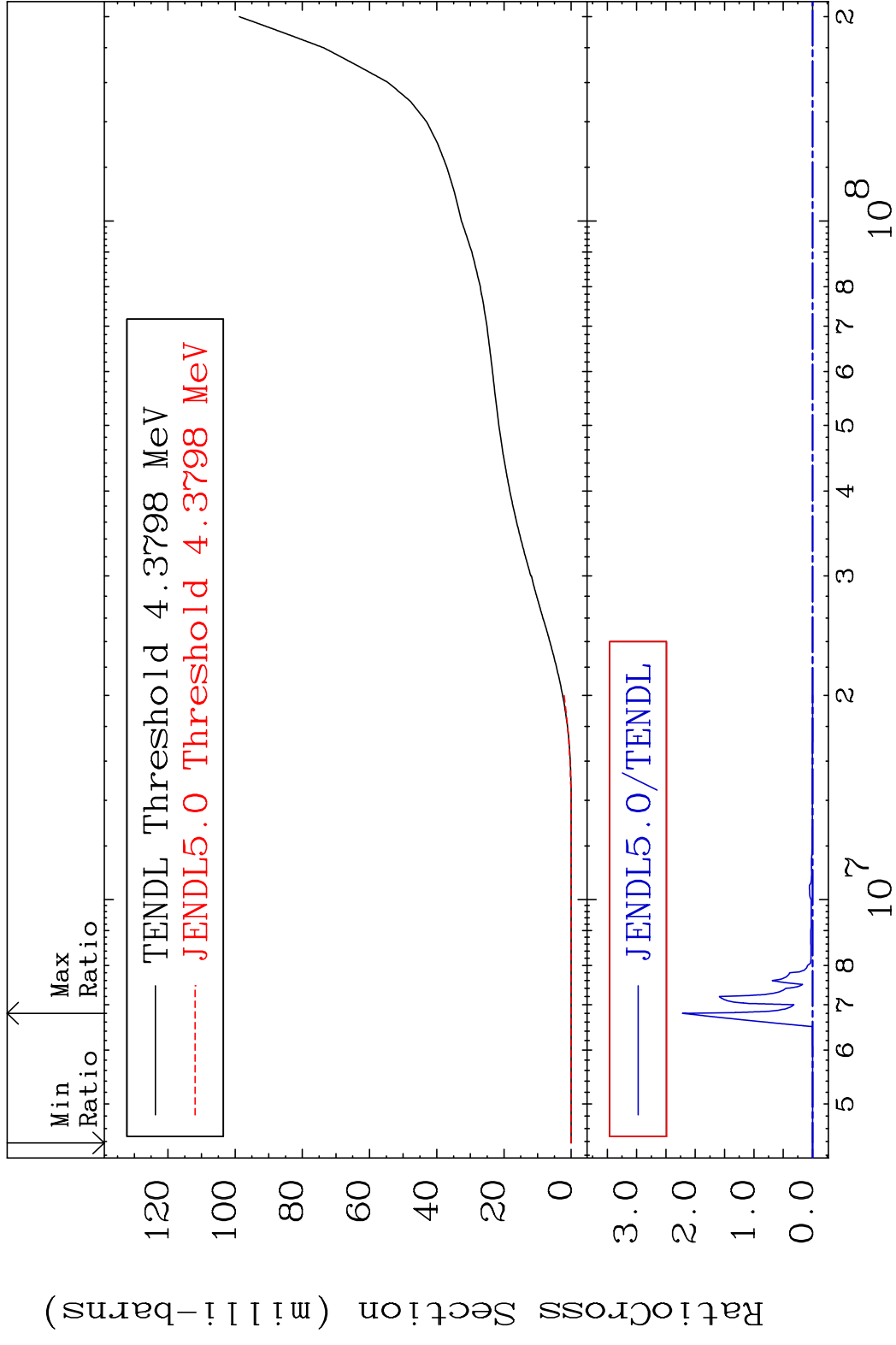
Incident Energy (eV)

73-Ta-179

MAT 7322

Tritium Production 73-Ta-179

Cross Section -100.0 To 9999. %



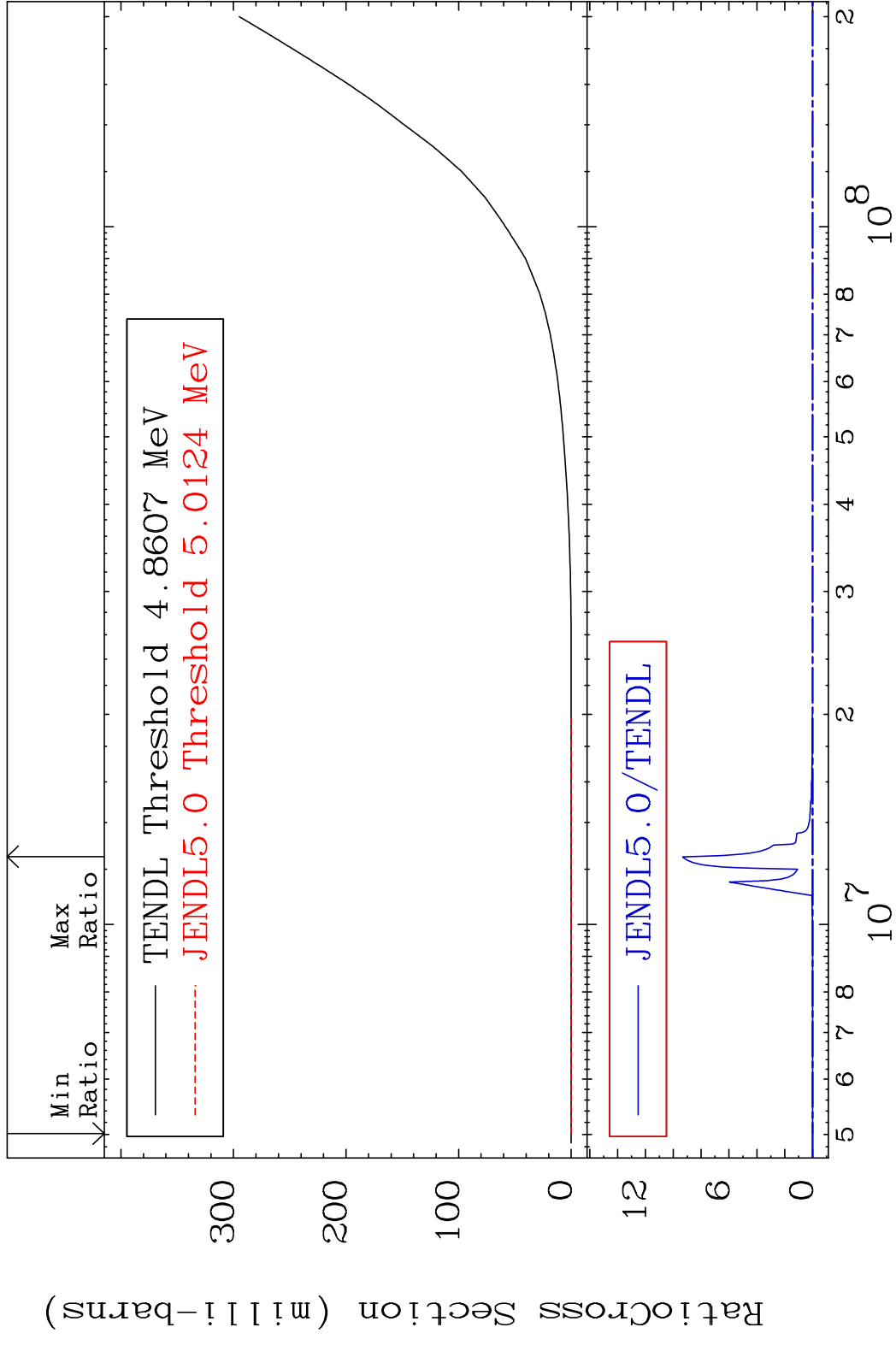


MAT 7322

He-3 Production

73-Ta-179

Cross Section -100.0 To 9999. %



48

Incident Energy (eV)

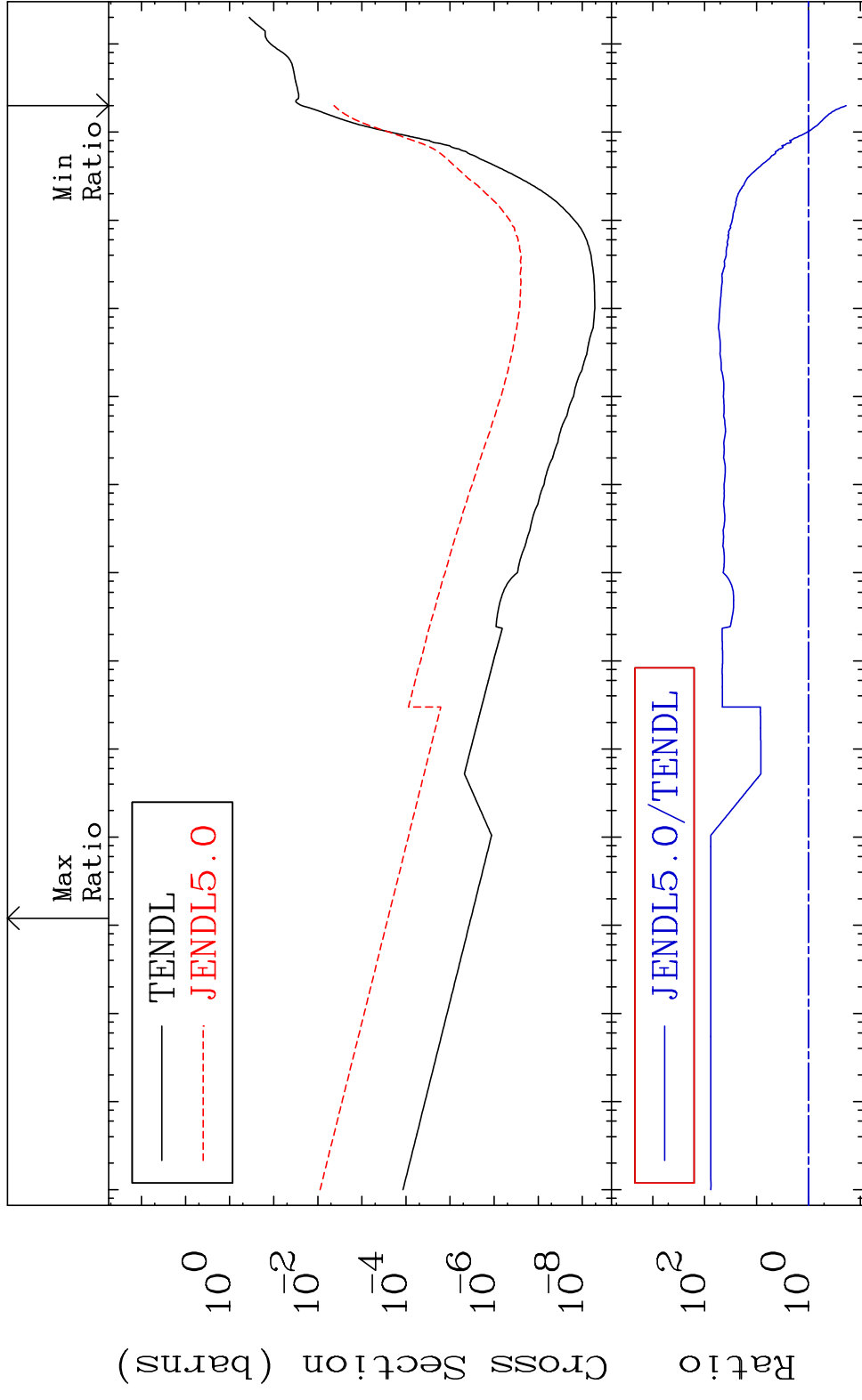
73-Ta-179

MAT 7322

He-4 Production

73-Ta-179

Cross Section -81.39 To 7530. %



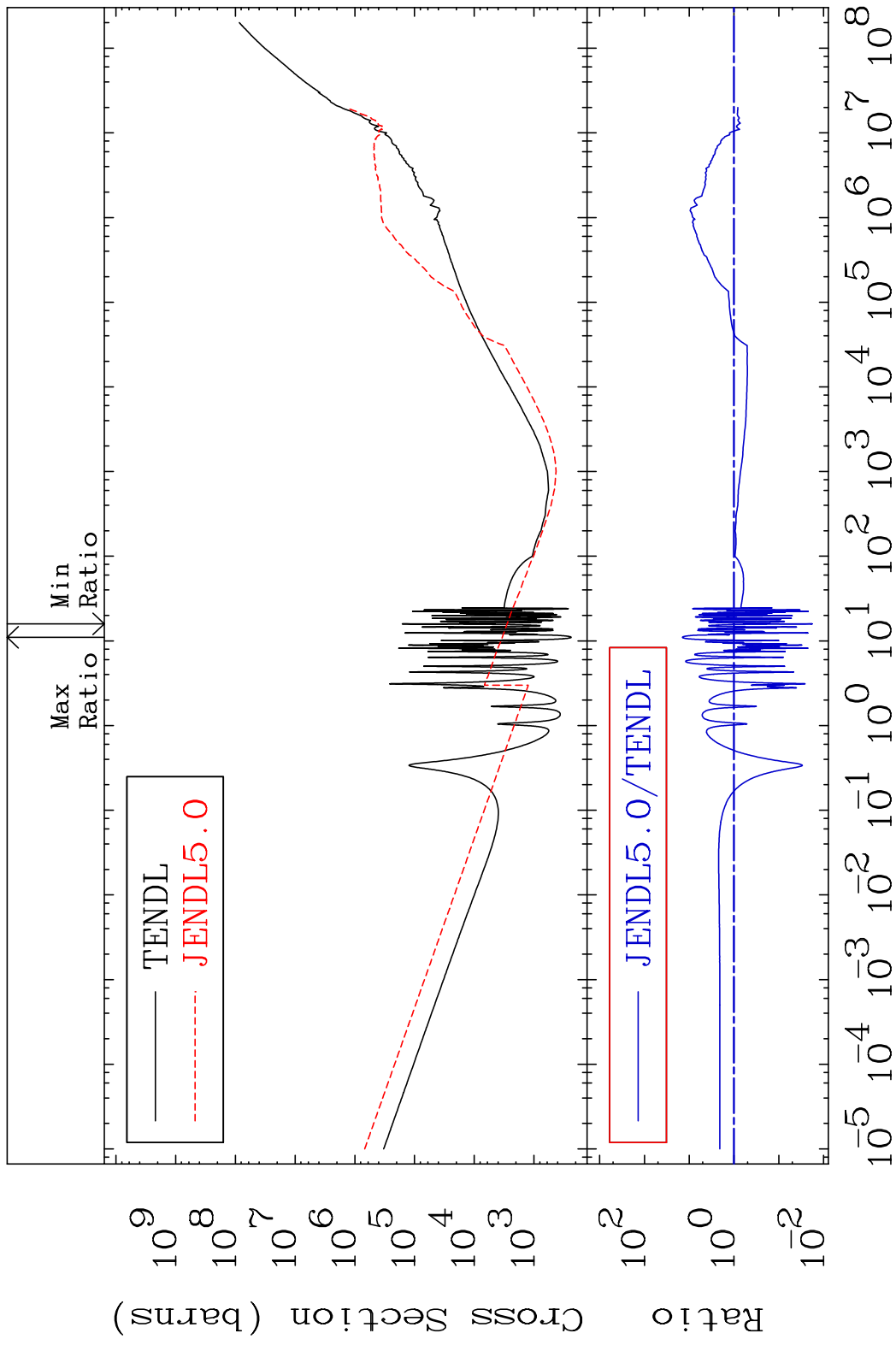
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

49

Incident Energy (eV)

73-Ta-179

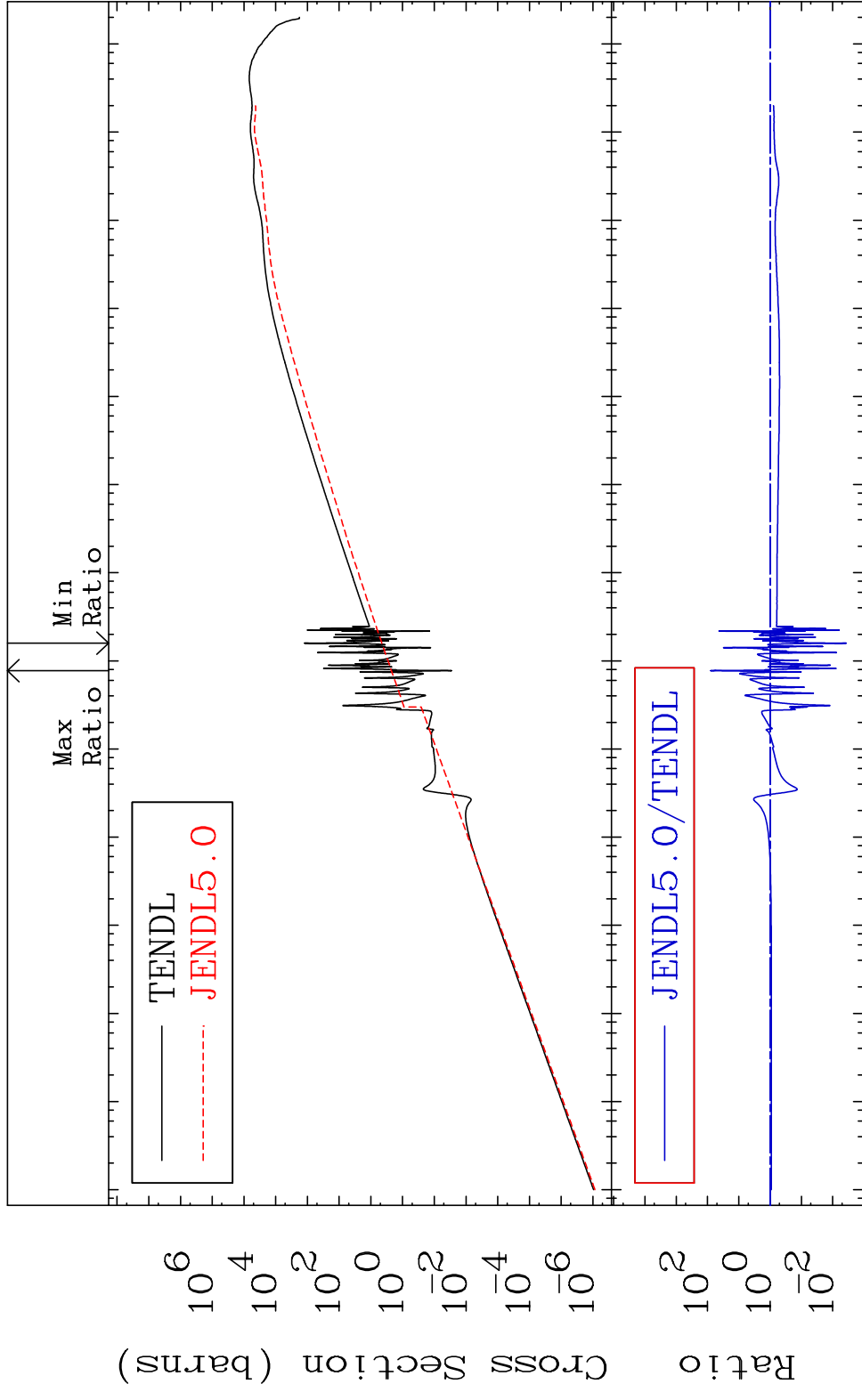
MAT 7322 Kerma total (eV-barns) 73-Ta-179  
 Cross Section -98.24 To 1325. %



MAT 7322

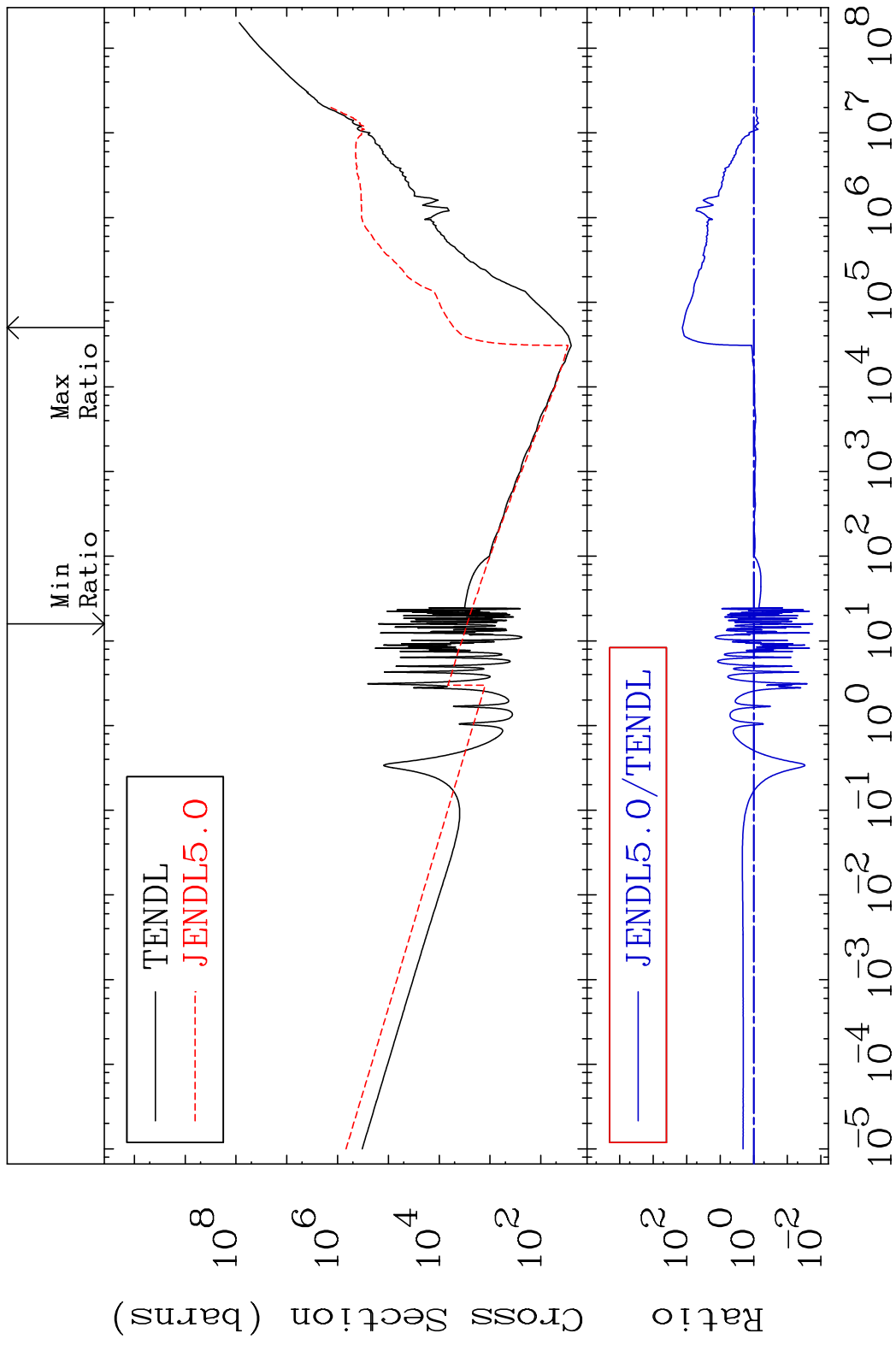
Kerma elastic Cross Section -99.63 To 7791. %

73-Ta-179

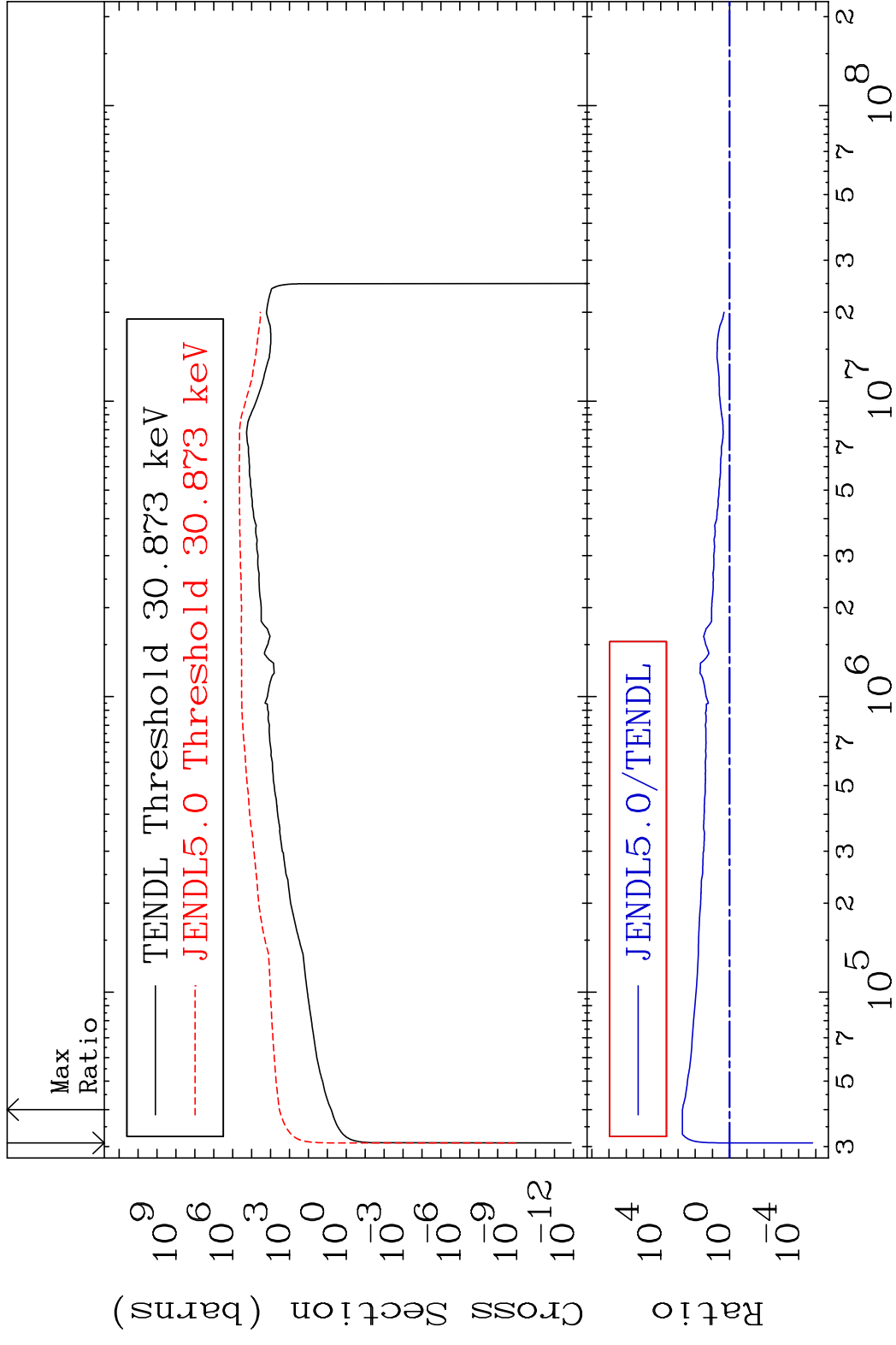


51 Incident Energy (eV) 73-Ta-179

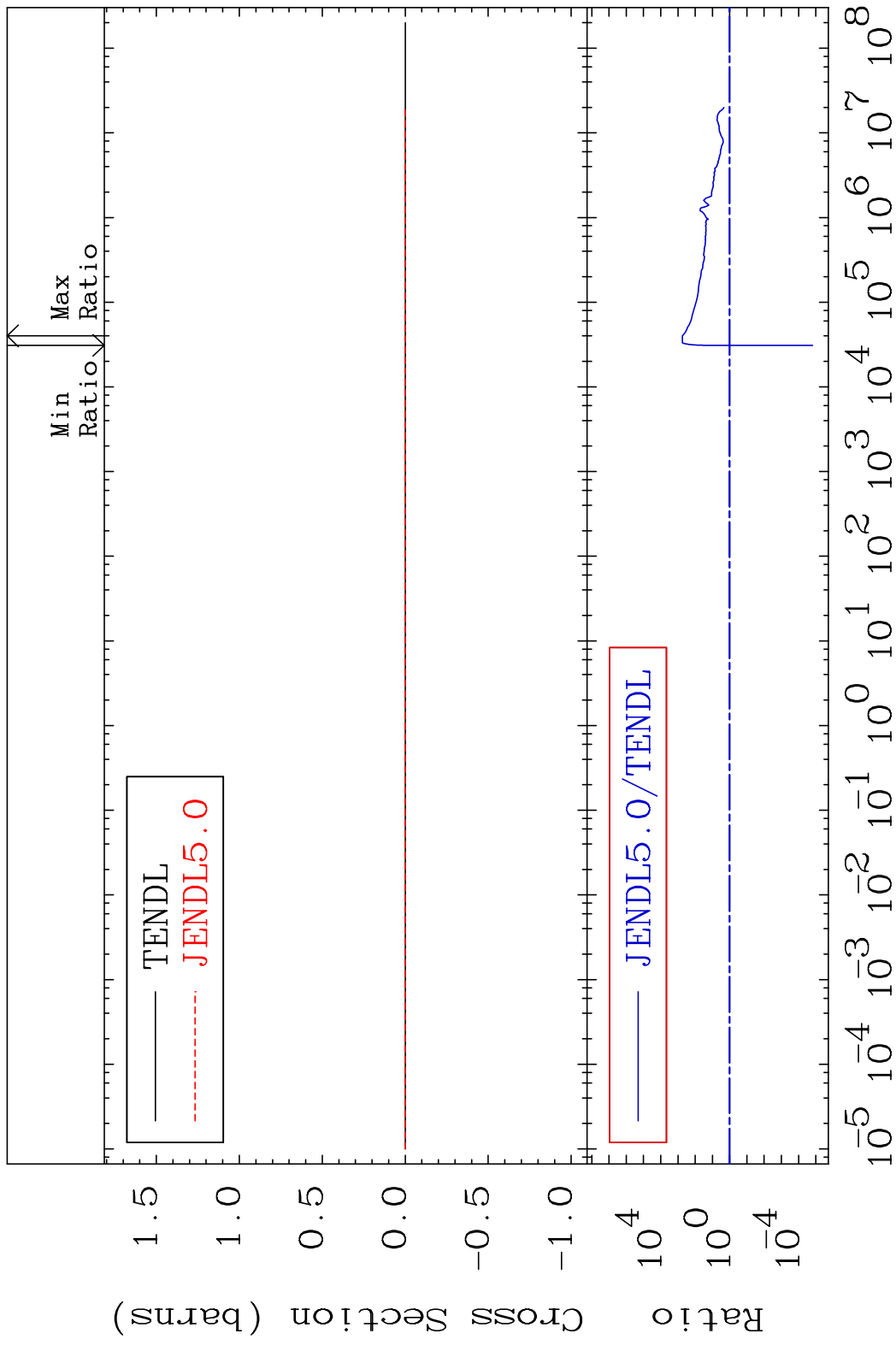
MAT 7322 Kerma non-elastic (all but mt2) 73-Ta-179  
 Cross Section -98.23 To 9999. %



MAT 7322 Kerma inelastic (mt51-91) 73-Ta-179  
 Cross Section -100.0 To 9999. %

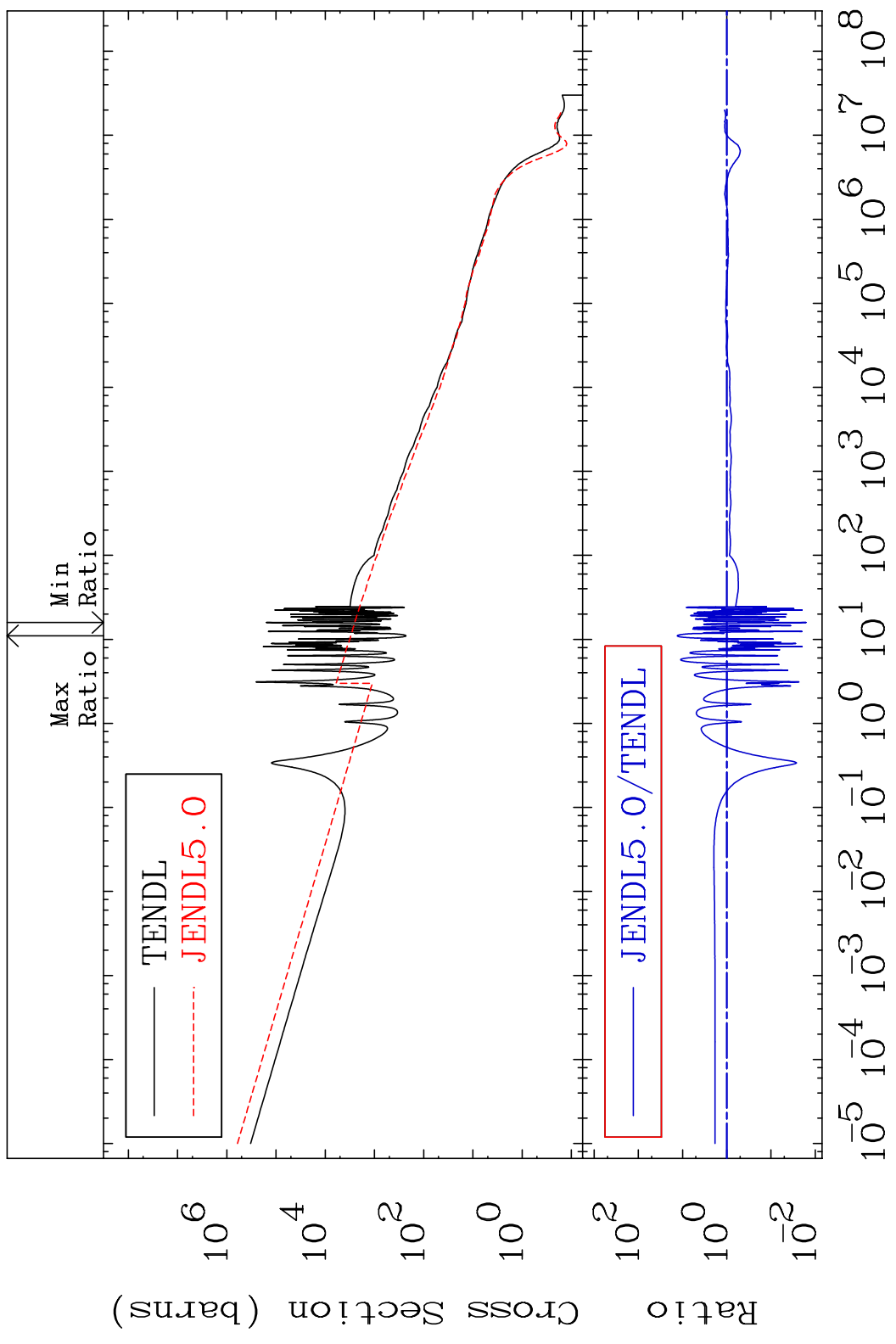


MAT 7322 Kerma fission (mt18 or mt19-20-21-38) 73-Ta-179  
 Cross Section -100.0 To 9999. %



MAT 7322

Kerma capture (mt102) 73-Ta-179  
Cross Section -98.42 To 1224. %



55

Incident Energy (eV) 73-Ta-179

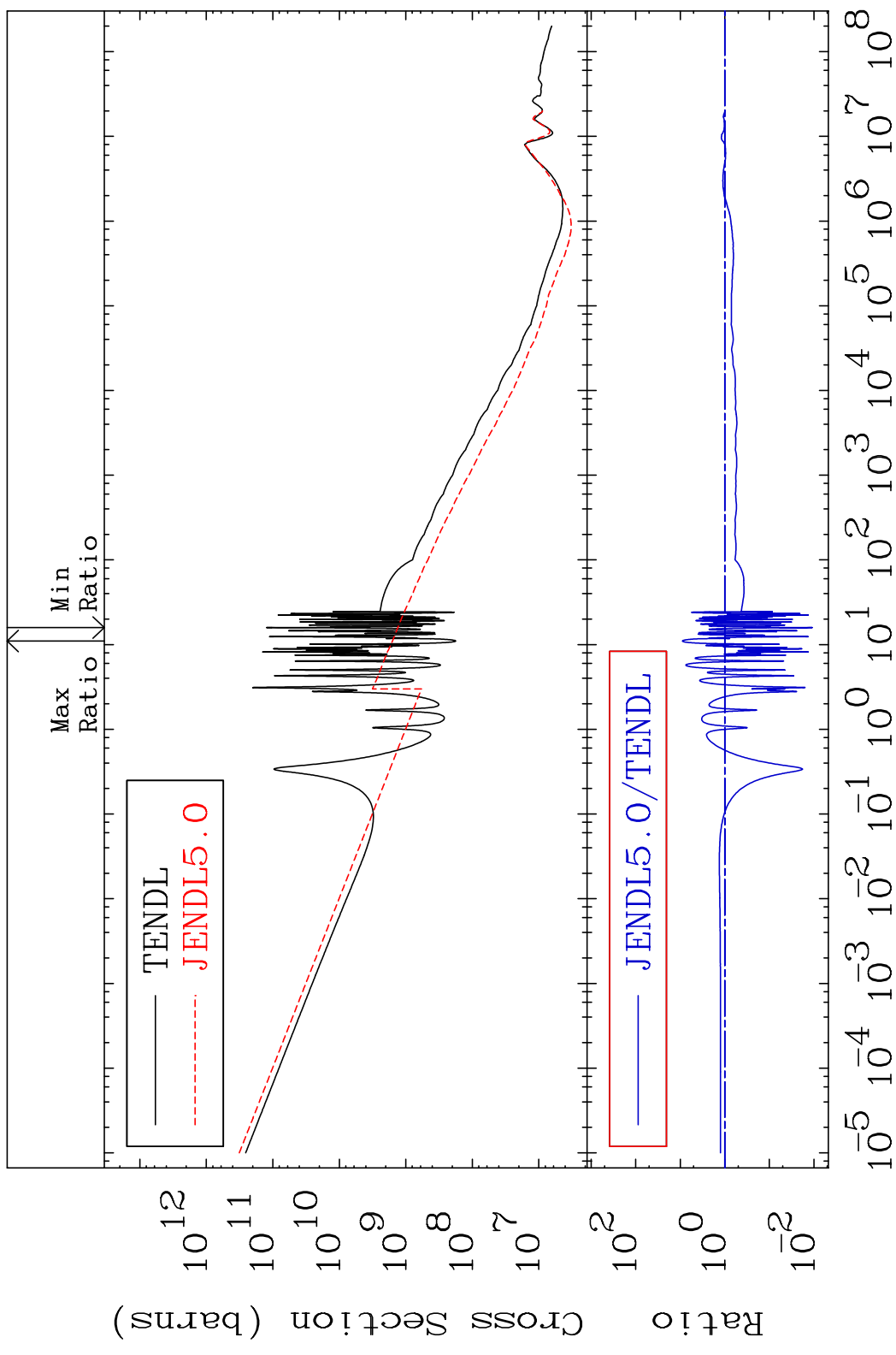


MAT 7322

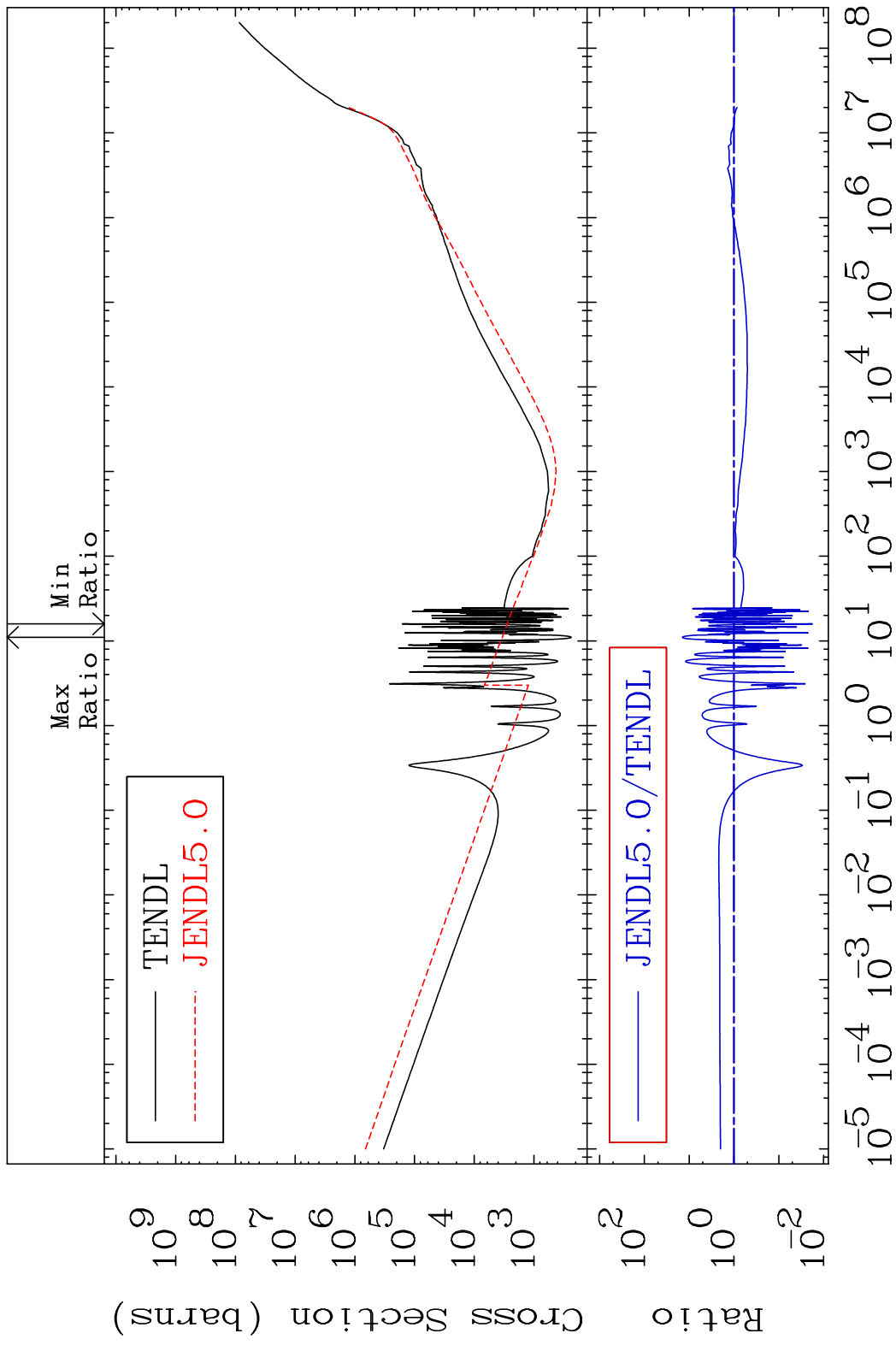
Total photon (eV-barns)

73-Ta-179

Cross Section -98.93 To 797.0 %



MAT 7322 Total kinematic kerma (high limit) 73-Ta-179  
Cross Section -98.24 To 1322. %

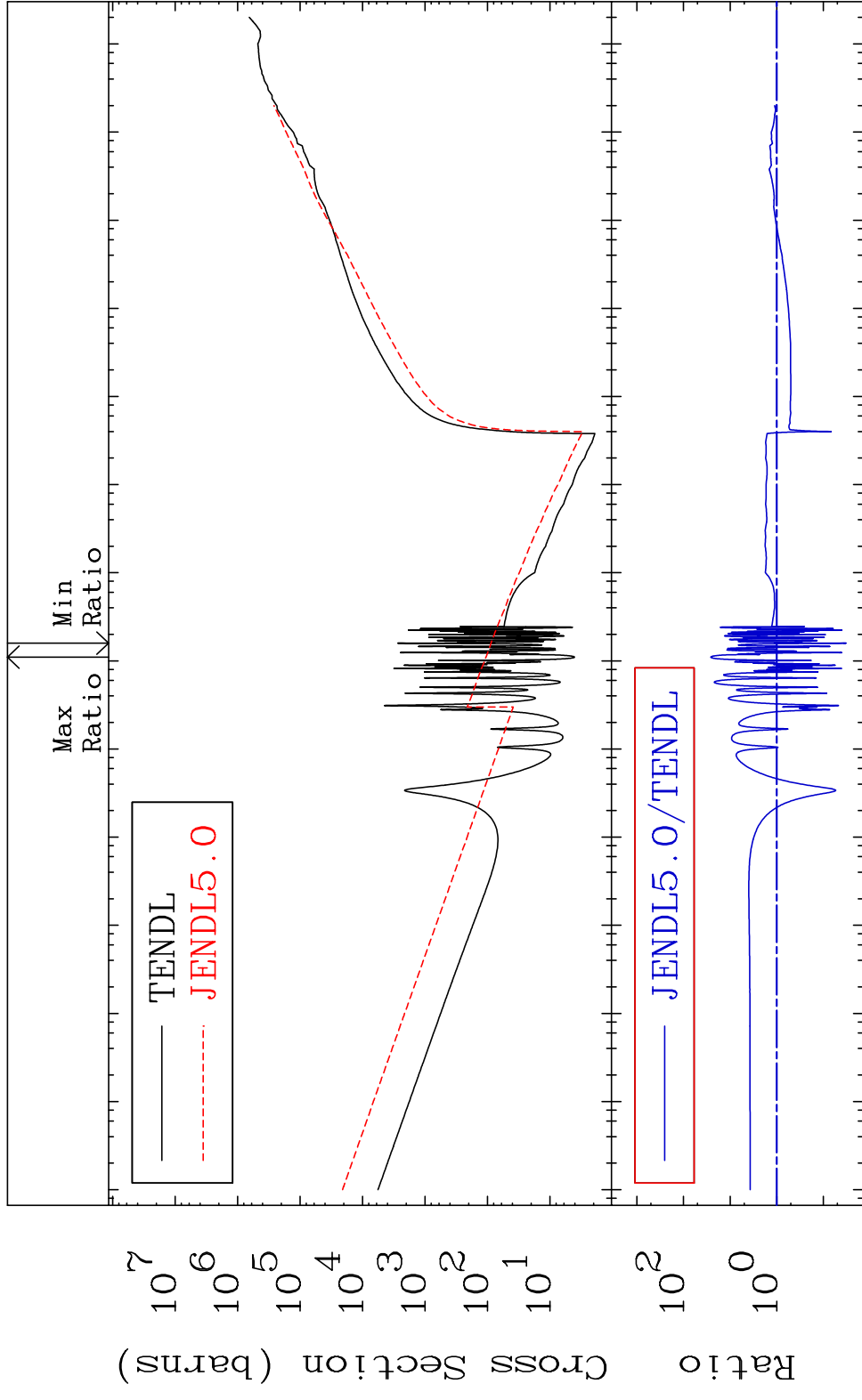


MAT 7322

Dpa total (eV-barns)

73-Ta-179

Cross Section -96.78 To 2511. %



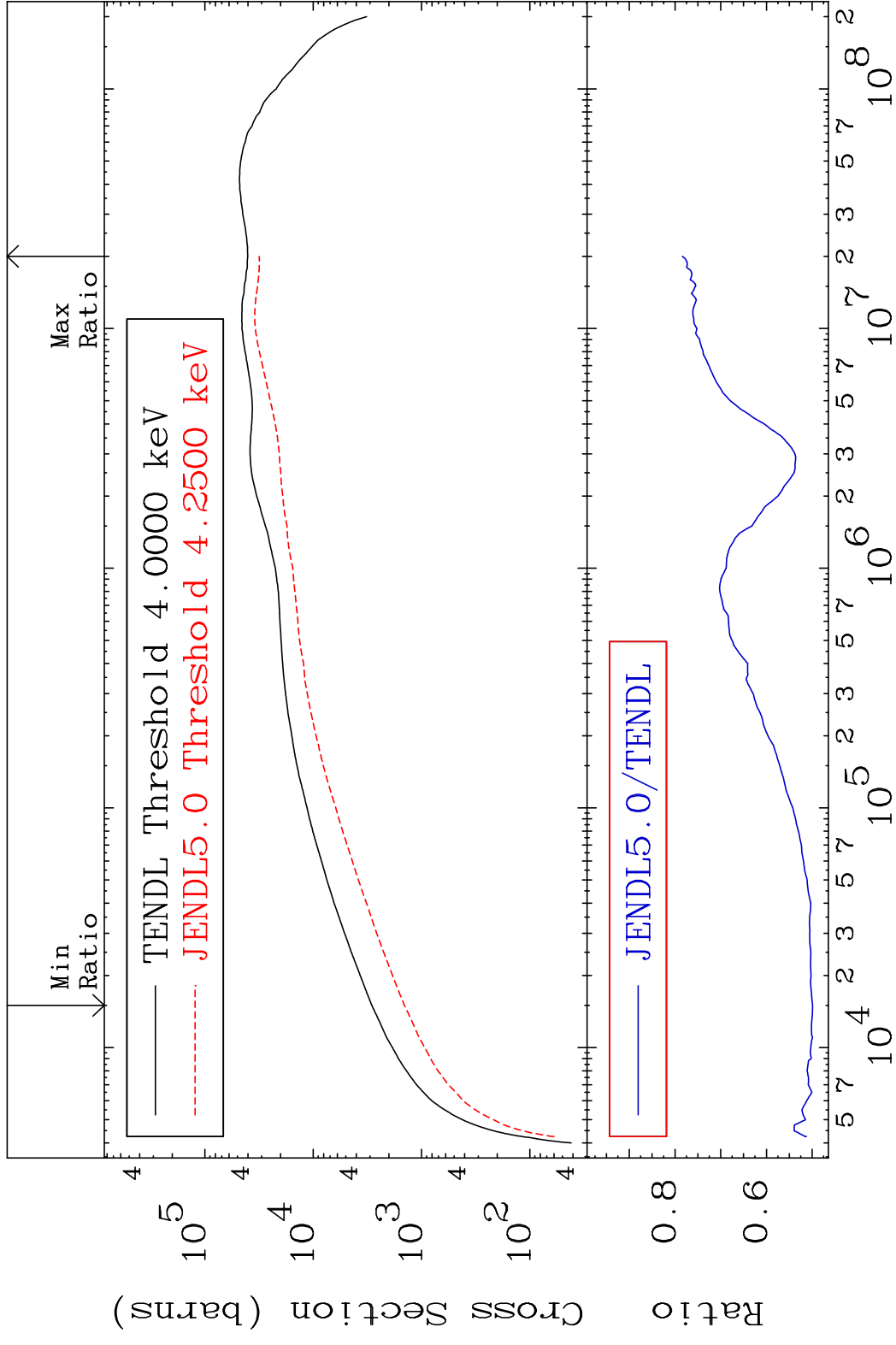
MAT 7322

Dpa elastic (mt2)

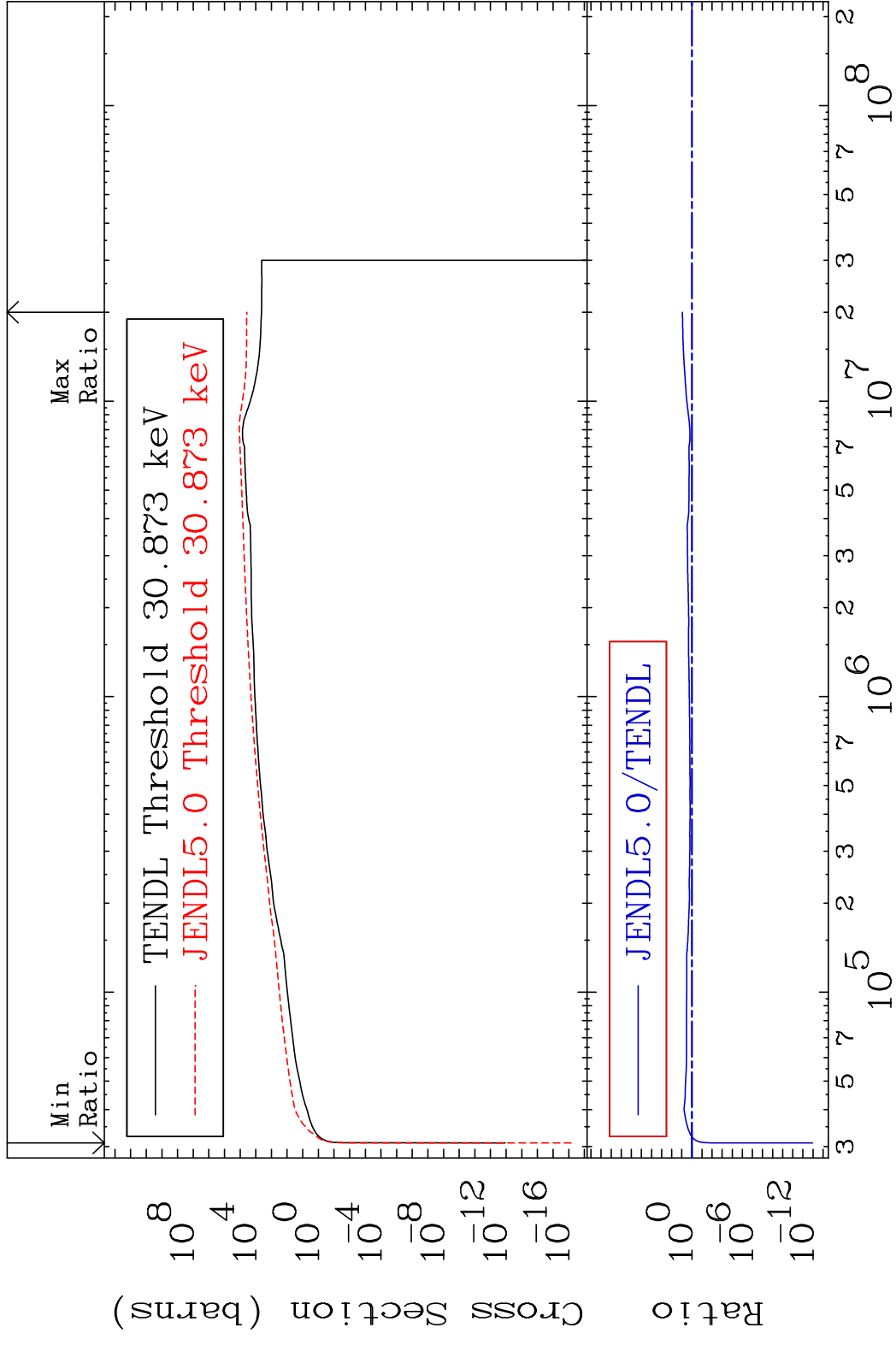
73-Ta-179

Cross Section

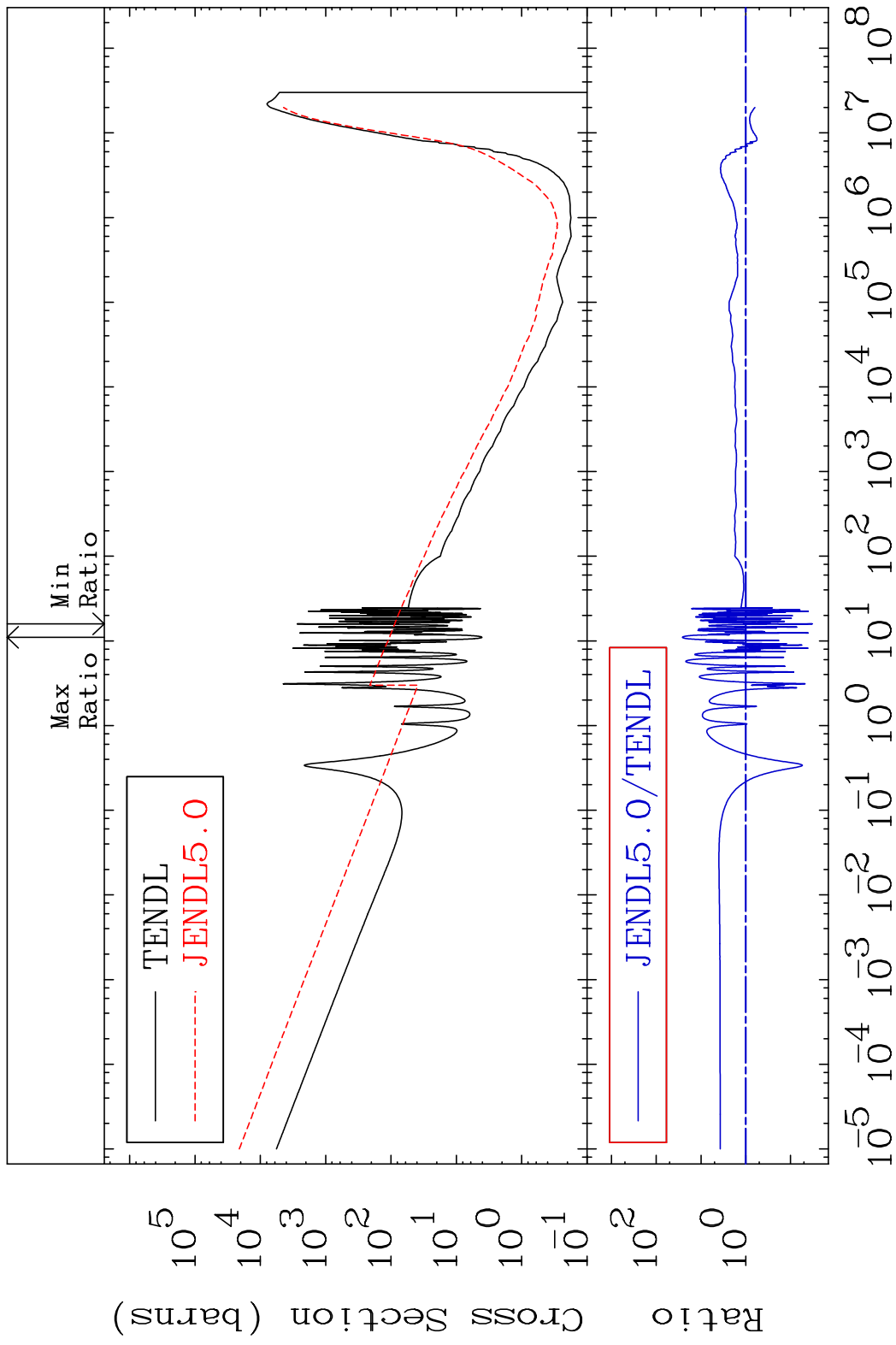
-50.08 To -21.61%

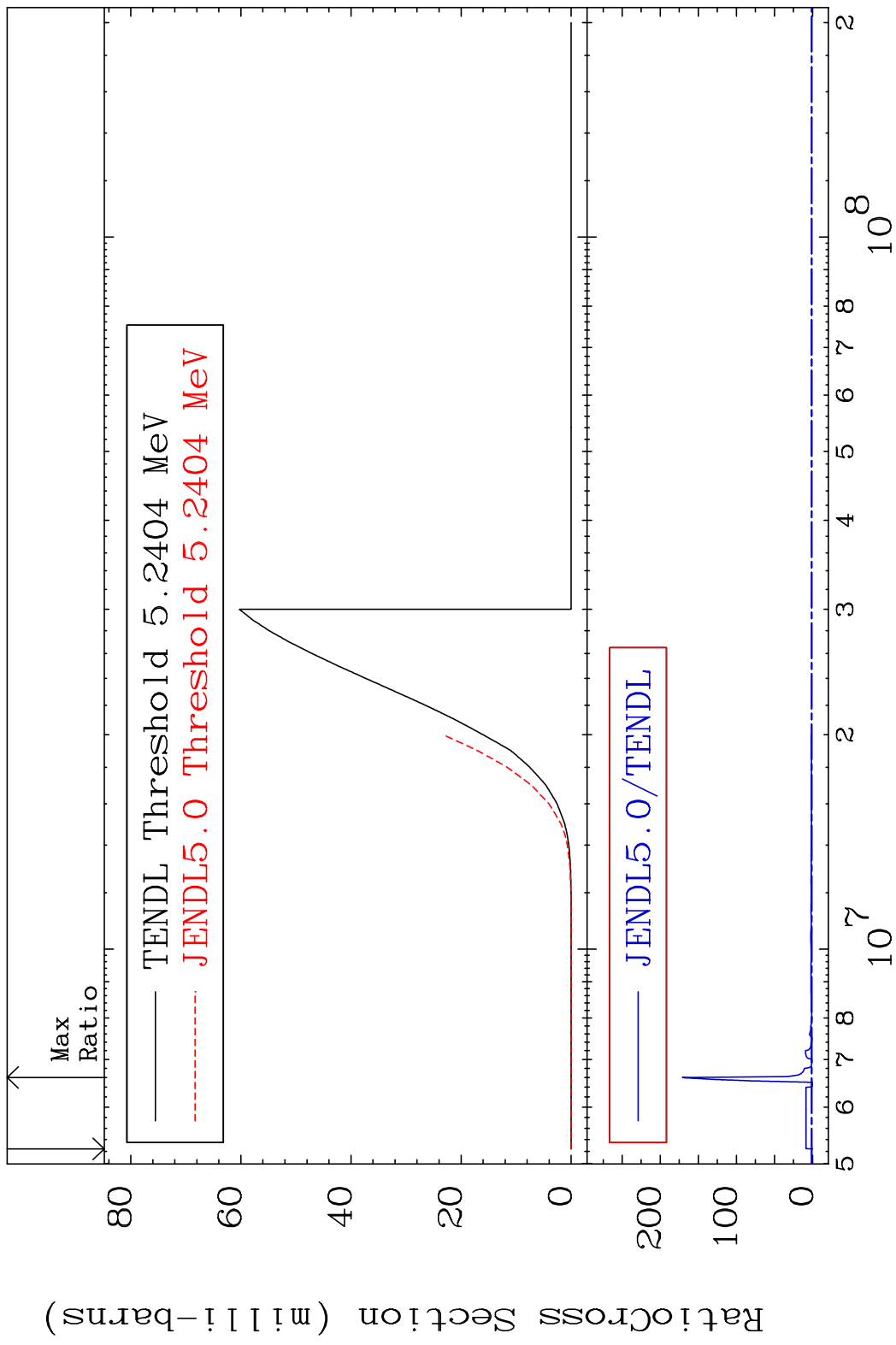


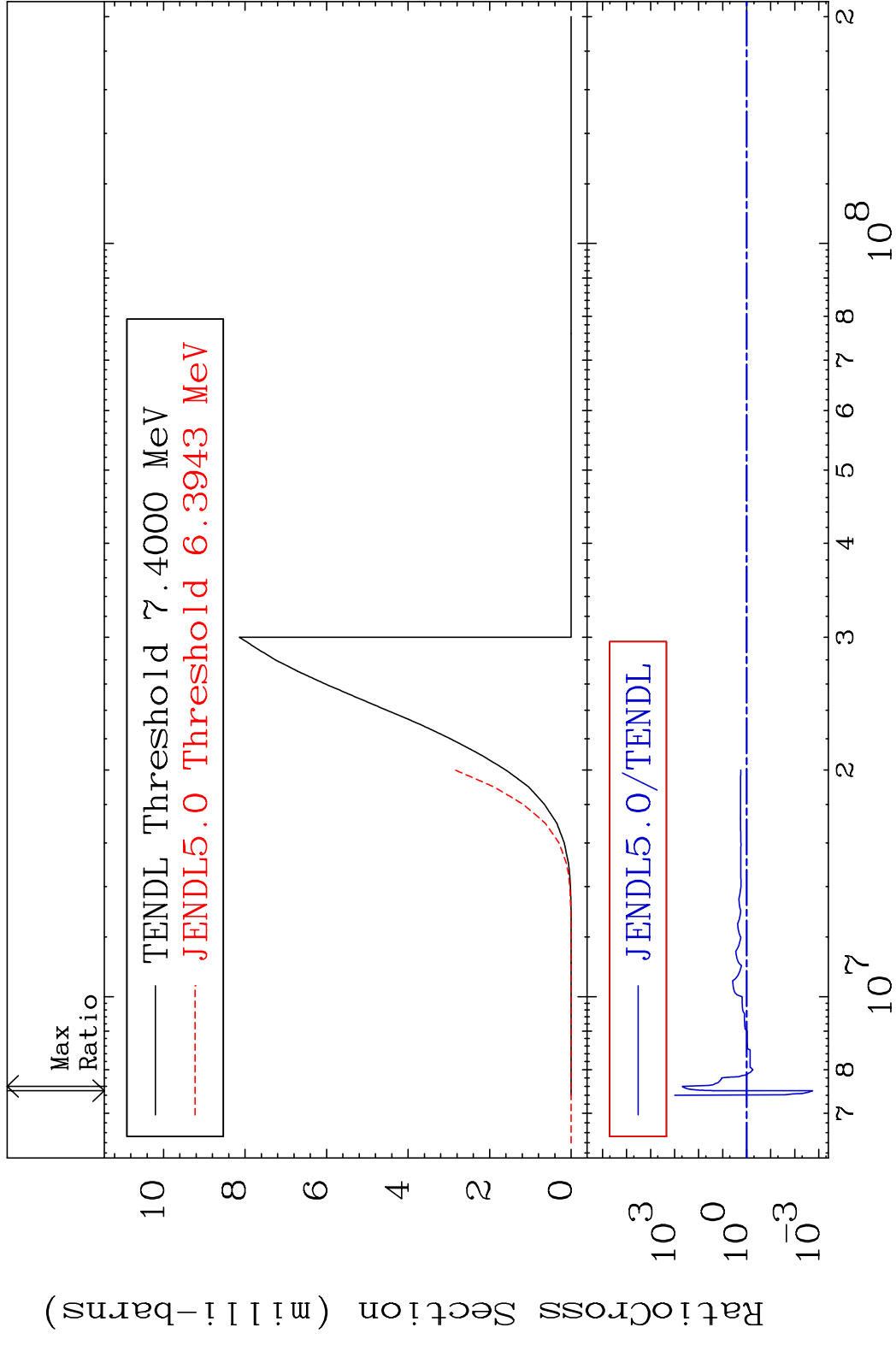
MAT 7322 Dpa inelastic (mt51-91) 73-Ta-179  
 Cross Section -100.0 To 778.6 %



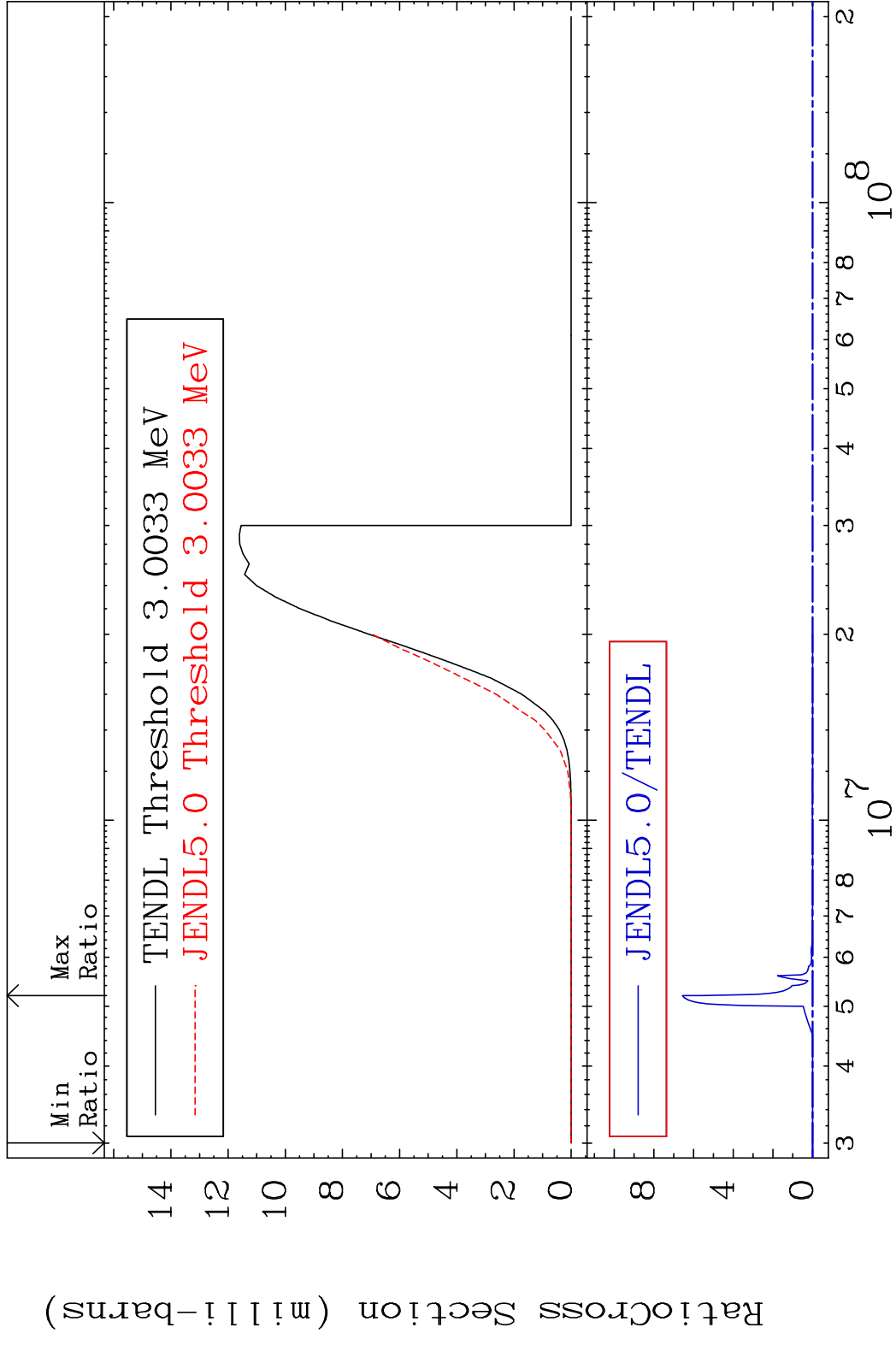
MAT 7322 Dpa disappearance (mt102 -120) 73-Ta-179  
 Cross Section -96.78 To 2511. %



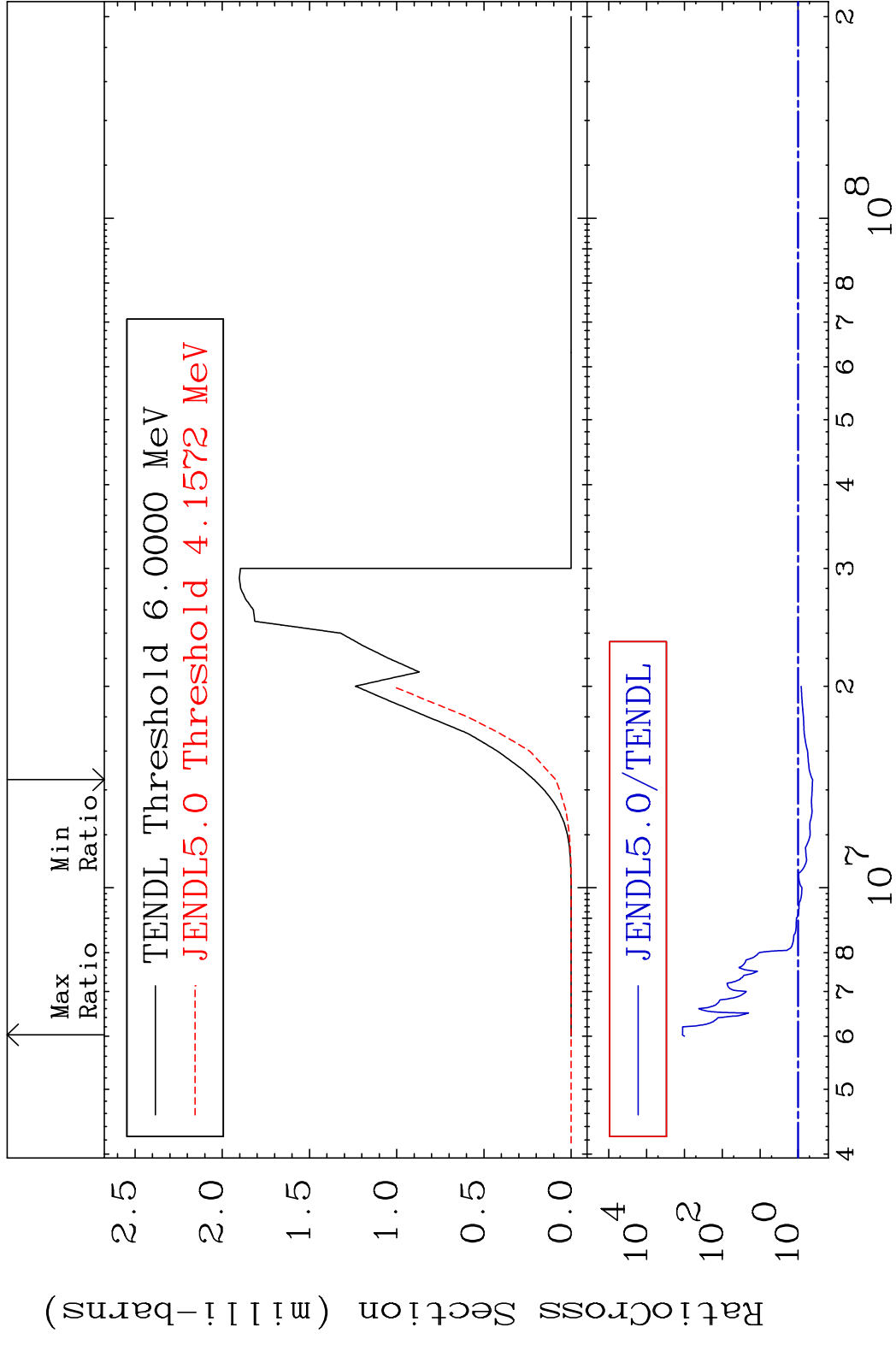




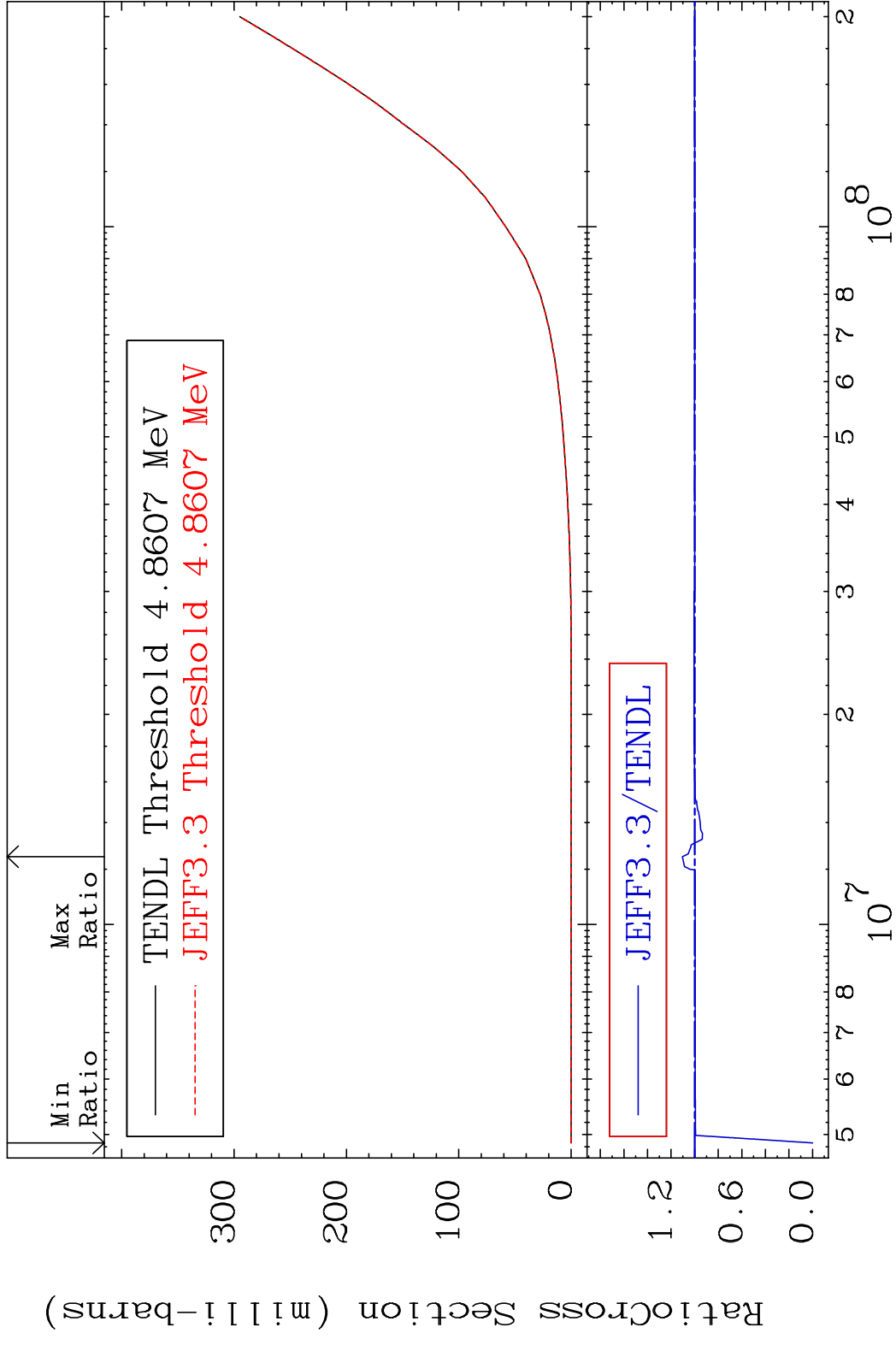




MAT 7322 (n,d):72-Hf-178m5 73-Ta-179  
 Radionuclide Production Cross Section 584210 9999. %



Cross Section -100.0 To 10.44 %

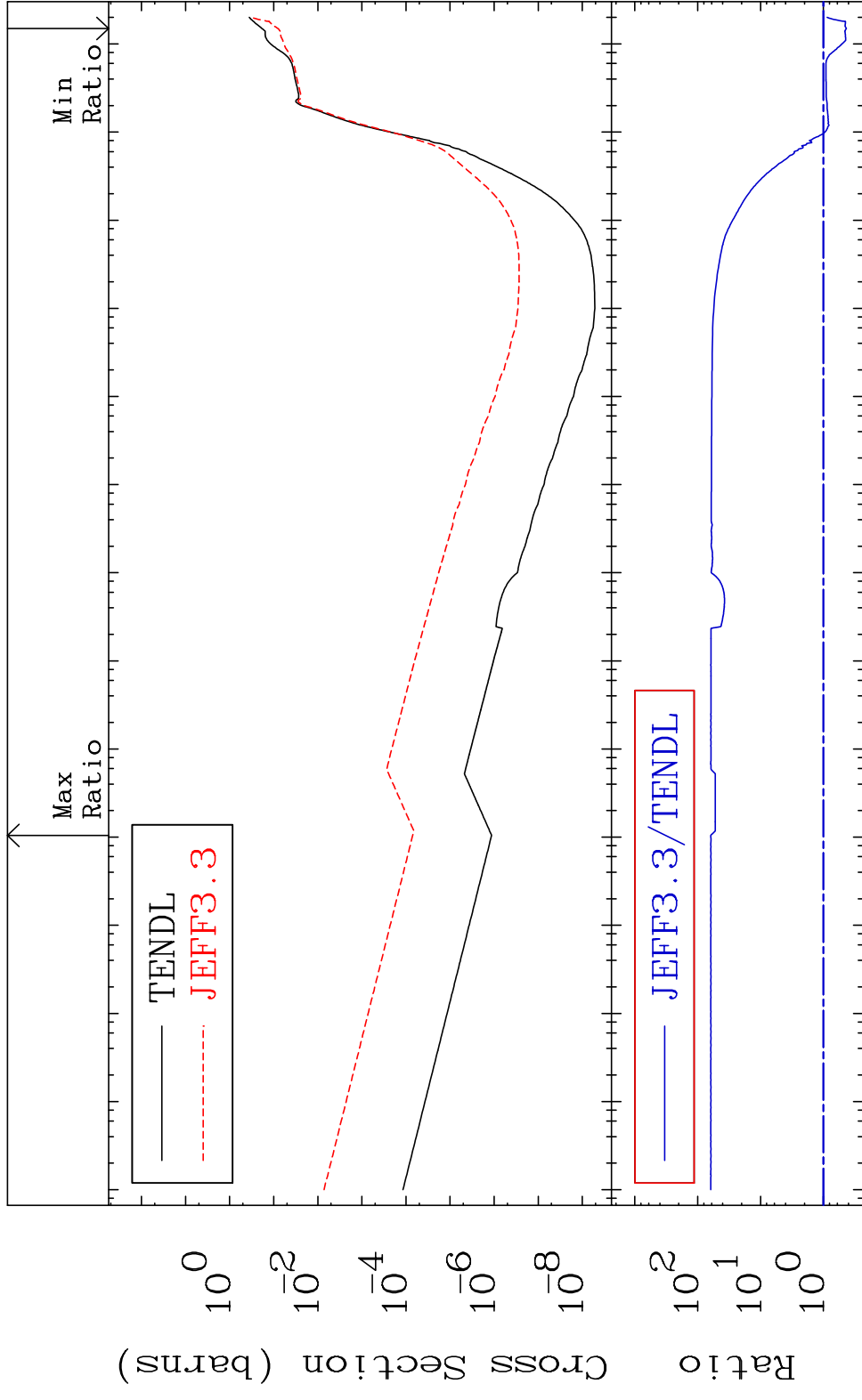


MAT 7322

He-4 Production

73-Ta-179

Cross Section -56.77 To 6107. %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 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>

67

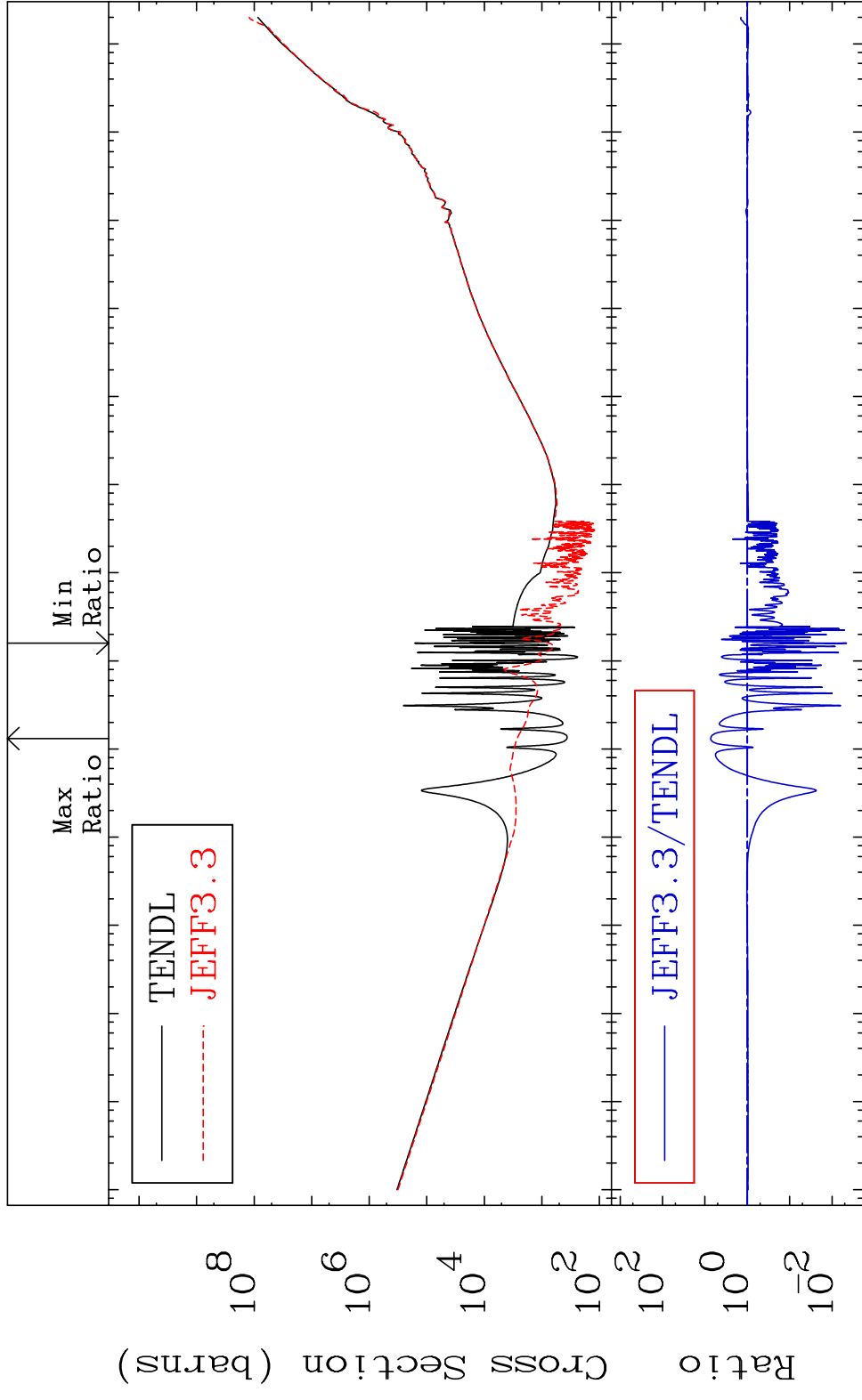
Incident Energy (eV)

73-Ta-179

MAT 7322

Kerma total (eV-barns) 73-Ta-179

Cross Section -99.54 To 629.9 %



68

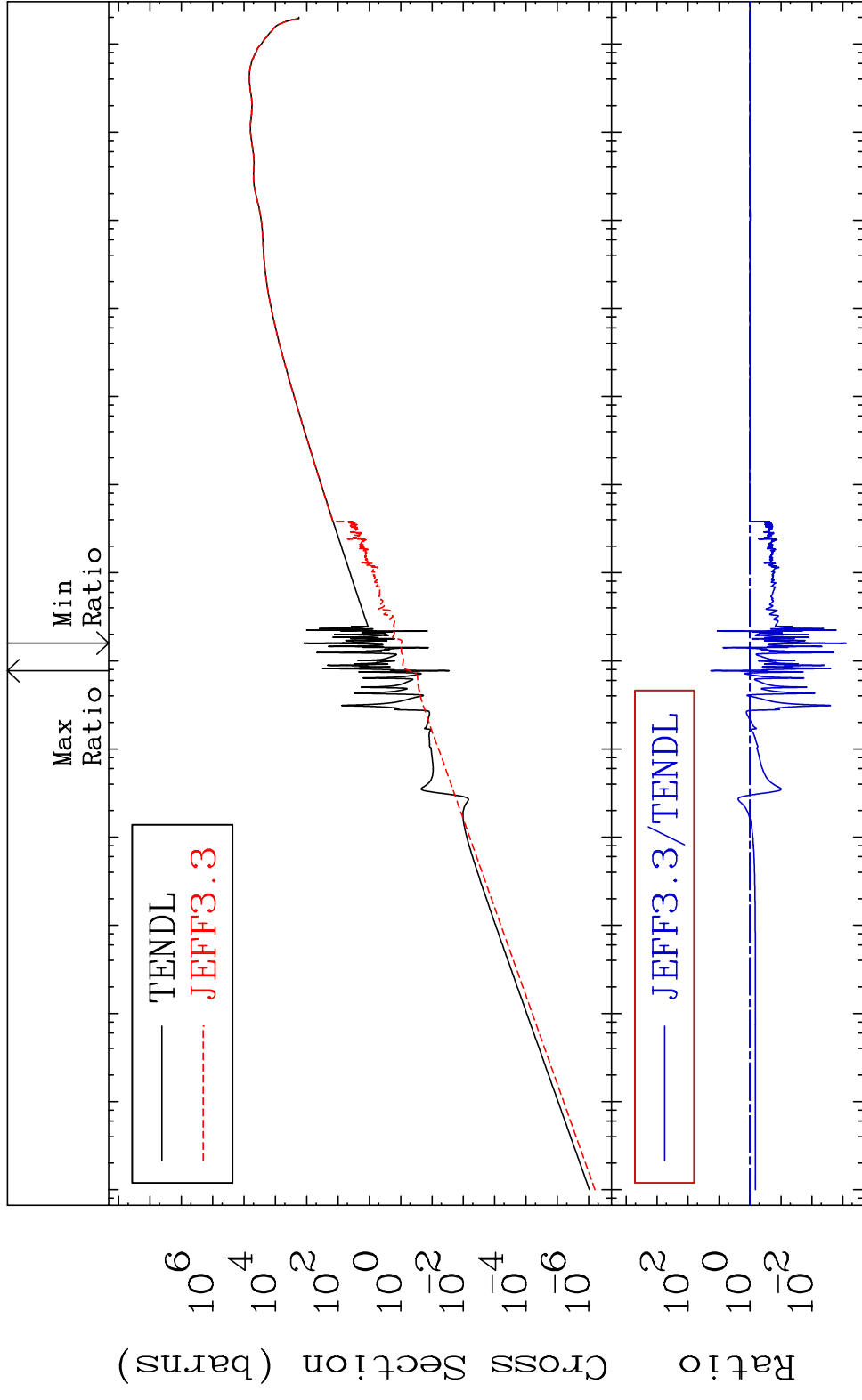
Incident Energy (eV)

73-Ta-179

MAT 7322

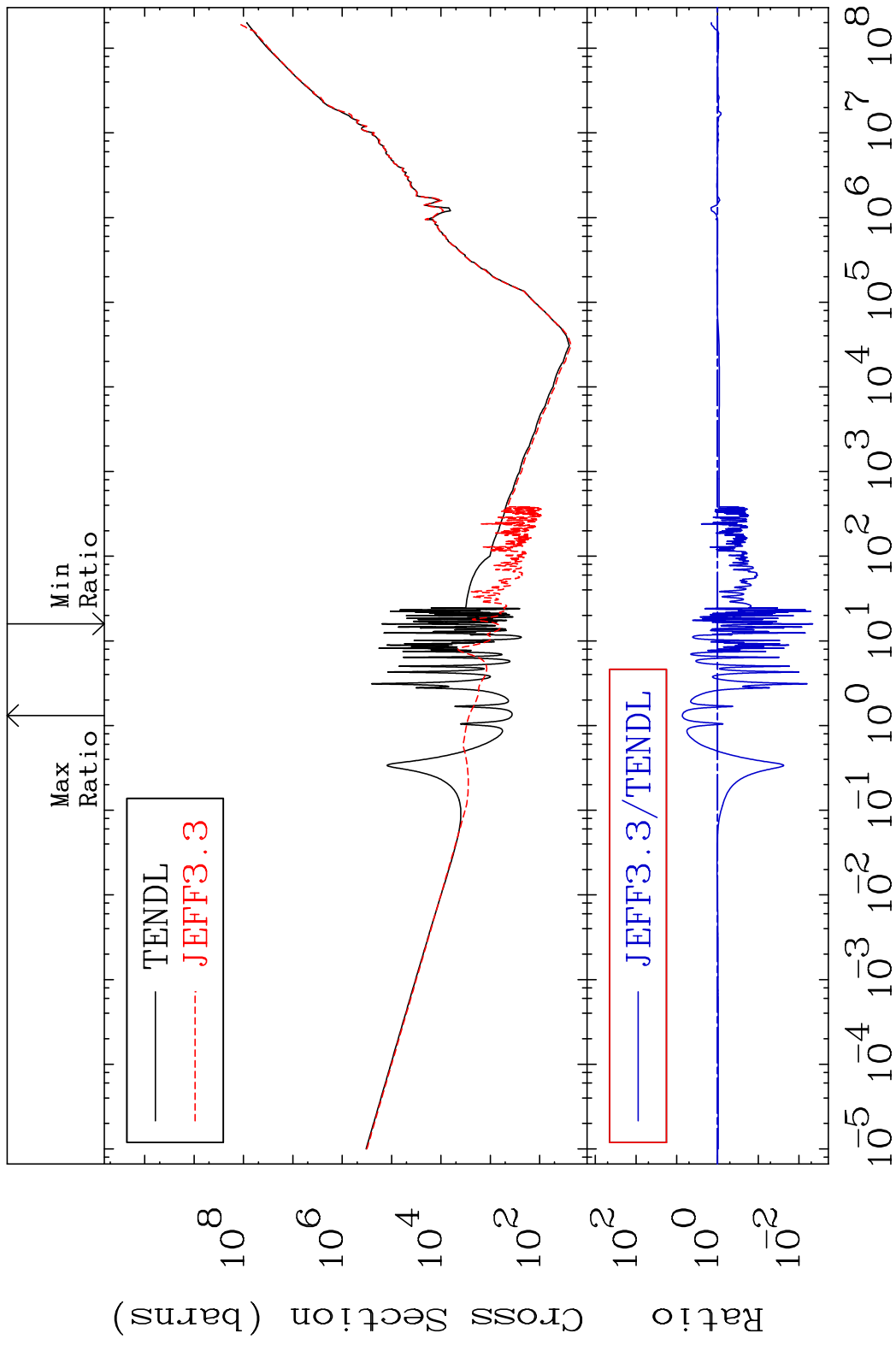
Kerma elastic Cross Section -99.92 To 1755. %

73-Ta-179



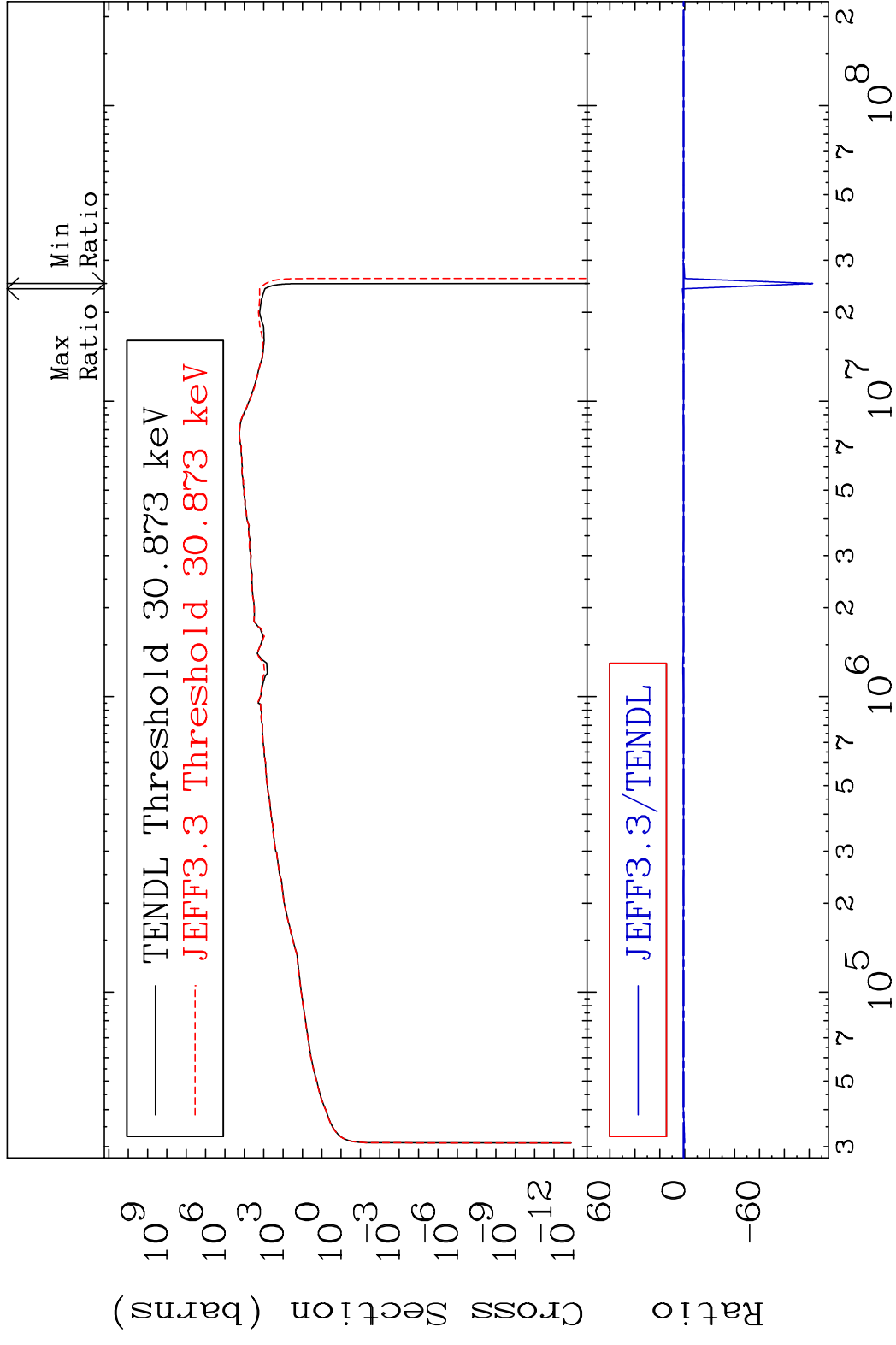
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 7322 Kerma non-elastic (all but mt2) 73-Ta-179  
 Cross Section -99.54 To 630.1 %



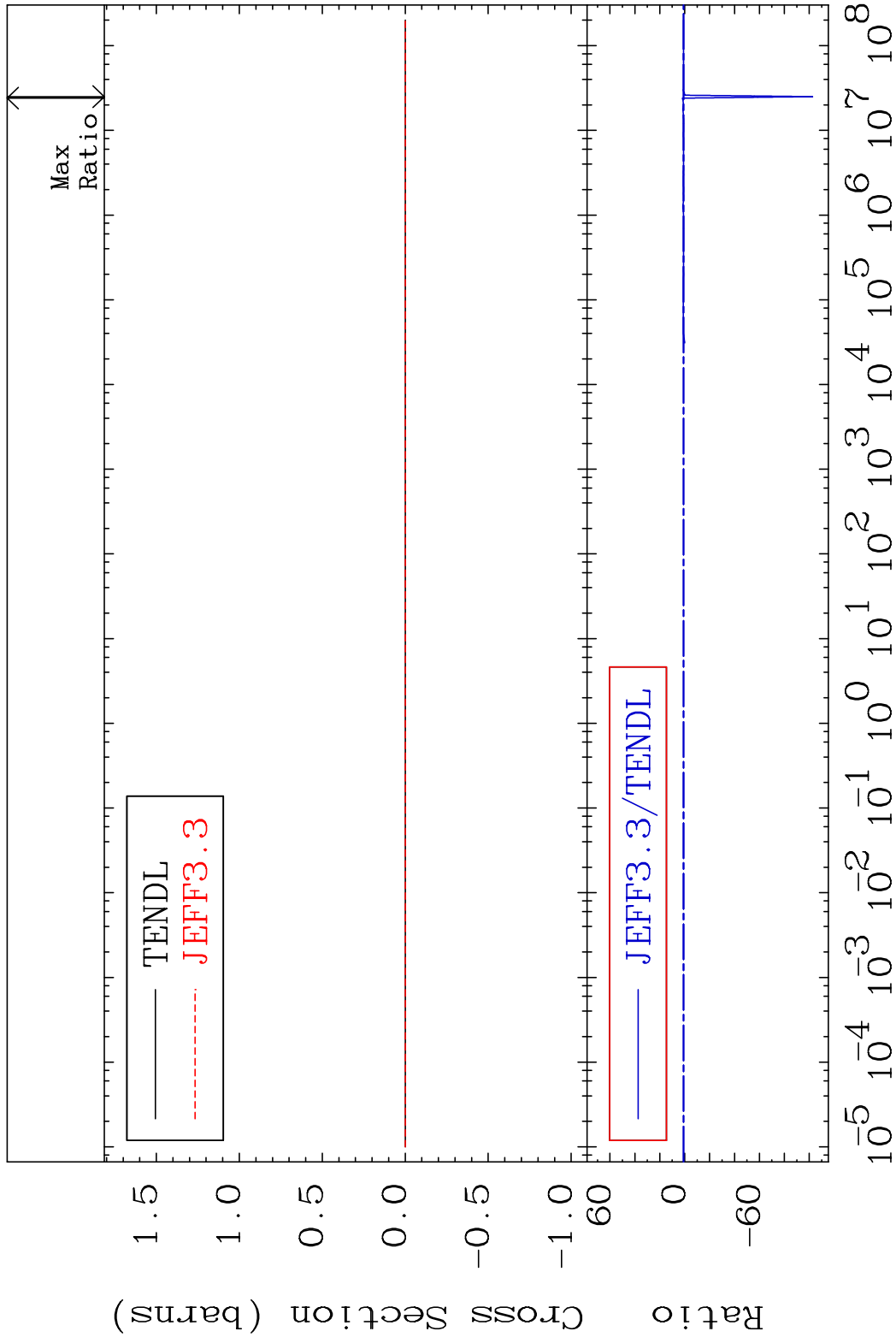
70 Incident Energy (eV) 73-Ta-179

MAT 7322 Kerma inelastic (mt51-91) 73-Ta-179  
 Cross Section -9999. To 86.96 %



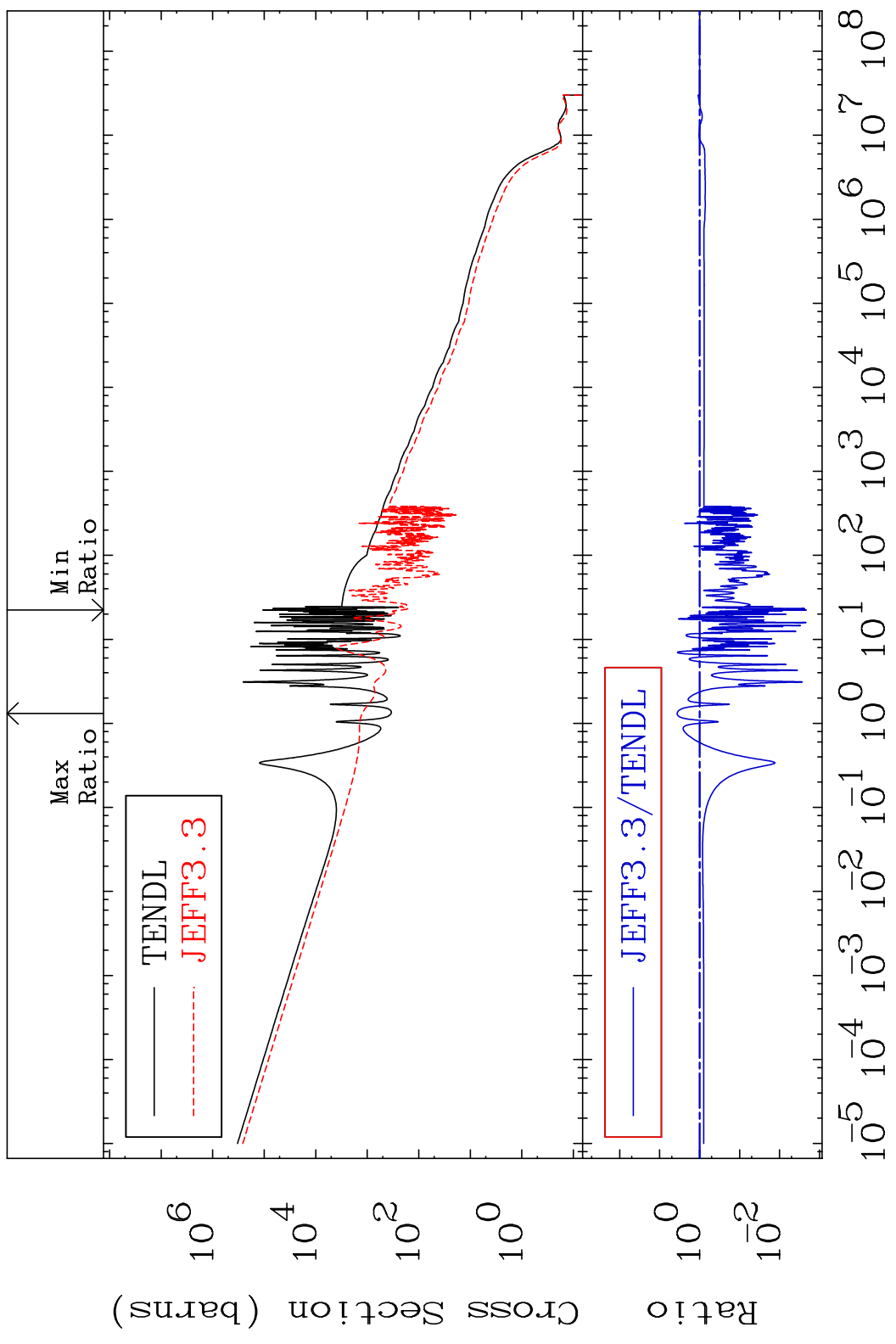


MAT 7322 Kerma fission (mt18 or mt19-20-21-38) 73-Ta-179  
 Cross Section -9999. To 86.96 %



MAT 7322

Kerma capture (mt102) 73-Ta-179  
Cross Section -99.79 To 264.7 %



73

Incident Energy (eV)

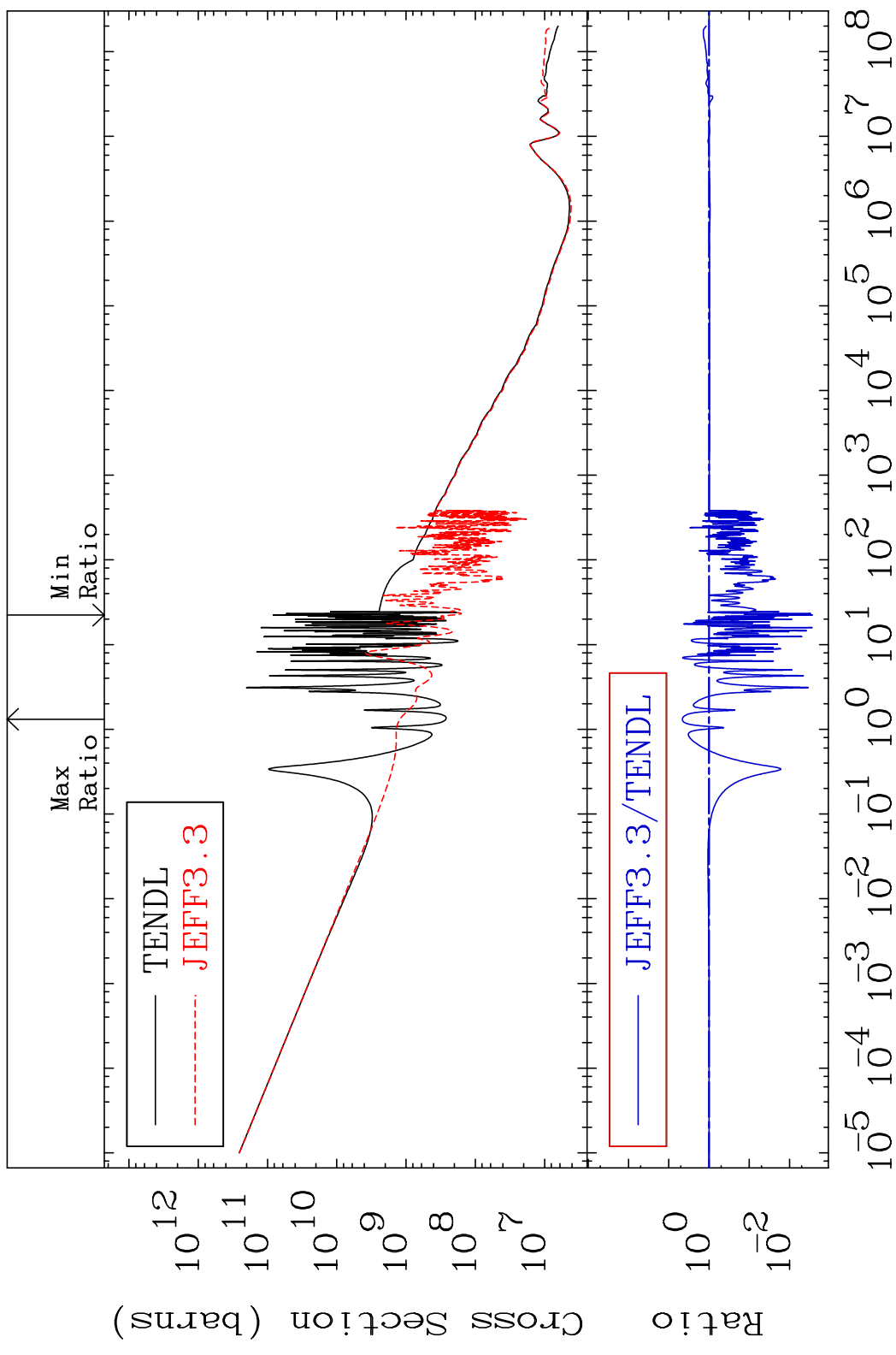
73-Ta-179

MAT 7322

Total photon (eV-barns)

73-Ta-179

Cross Section -99.73 To 359.8 %

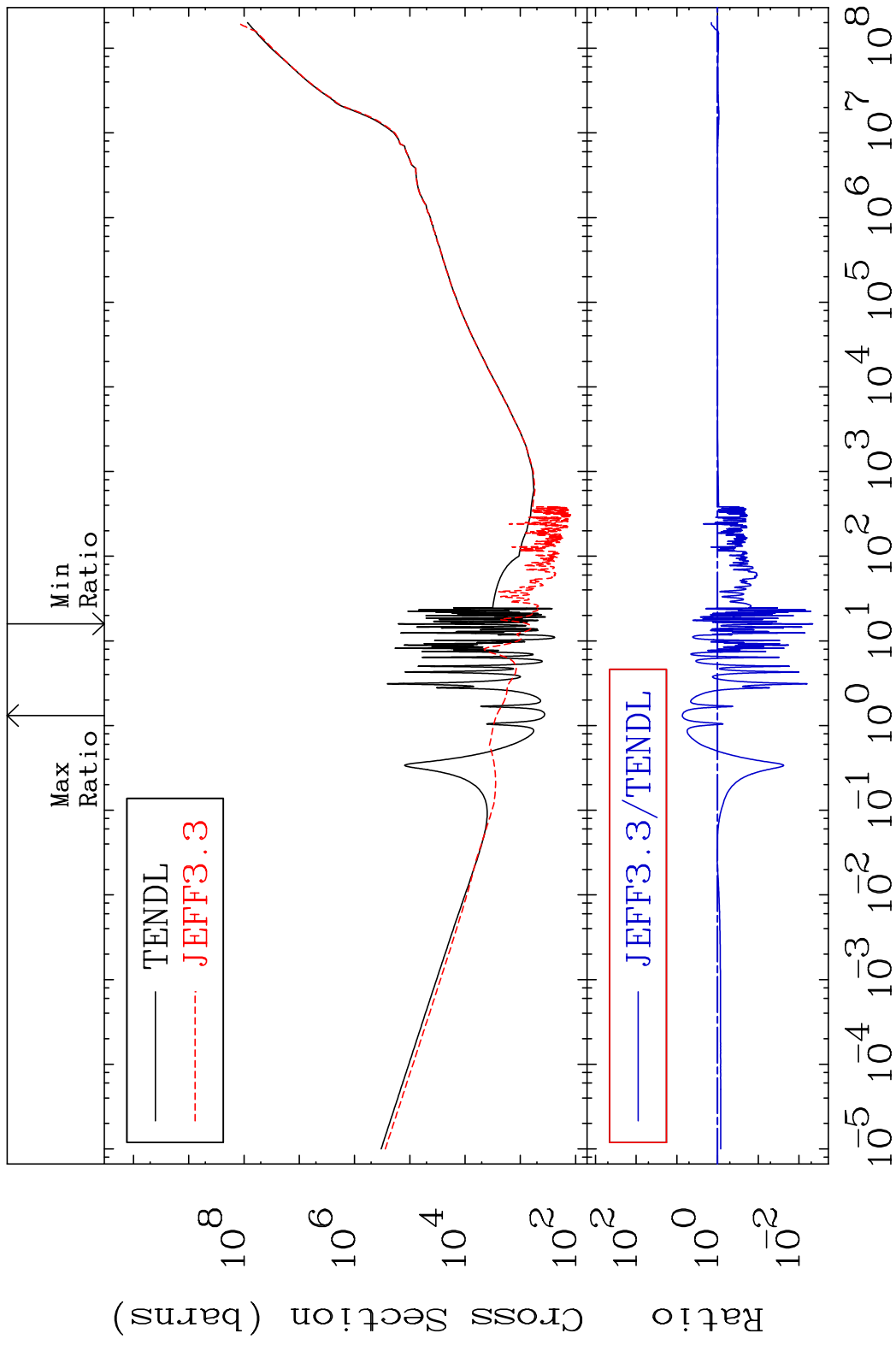


74

Incident Energy (eV)

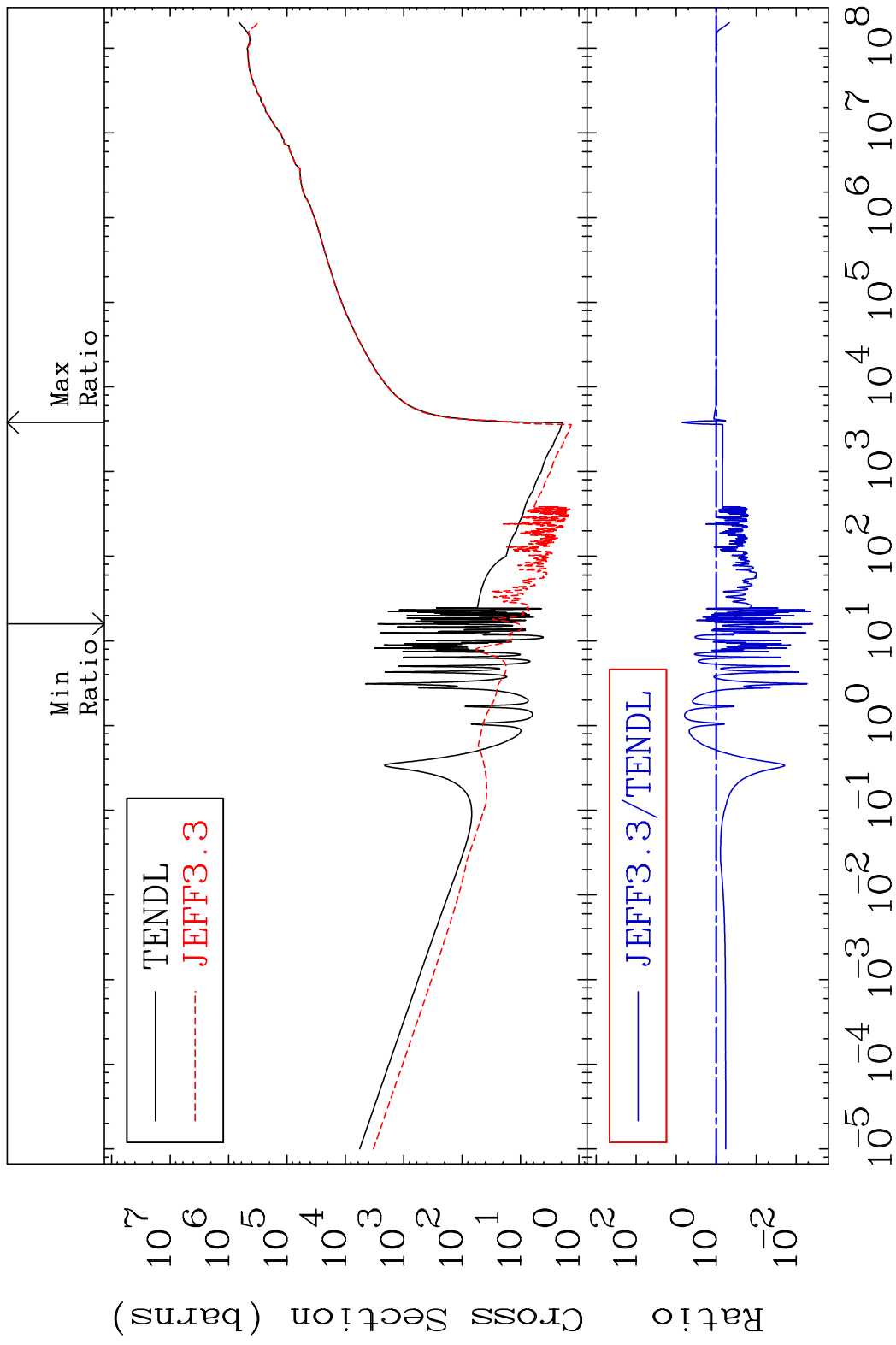
73-Ta-179

MAT 7322 Total kinematic kerma (high limit) 73-Ta-179  
 Cross Section -99.54 To 632.9 %



75 Incident Energy (eV) 73-Ta-179

MAT 7322      Dpa total (eV-barns)      73-Ta-179  
 Cross Section      -99.61 To 601.5 %



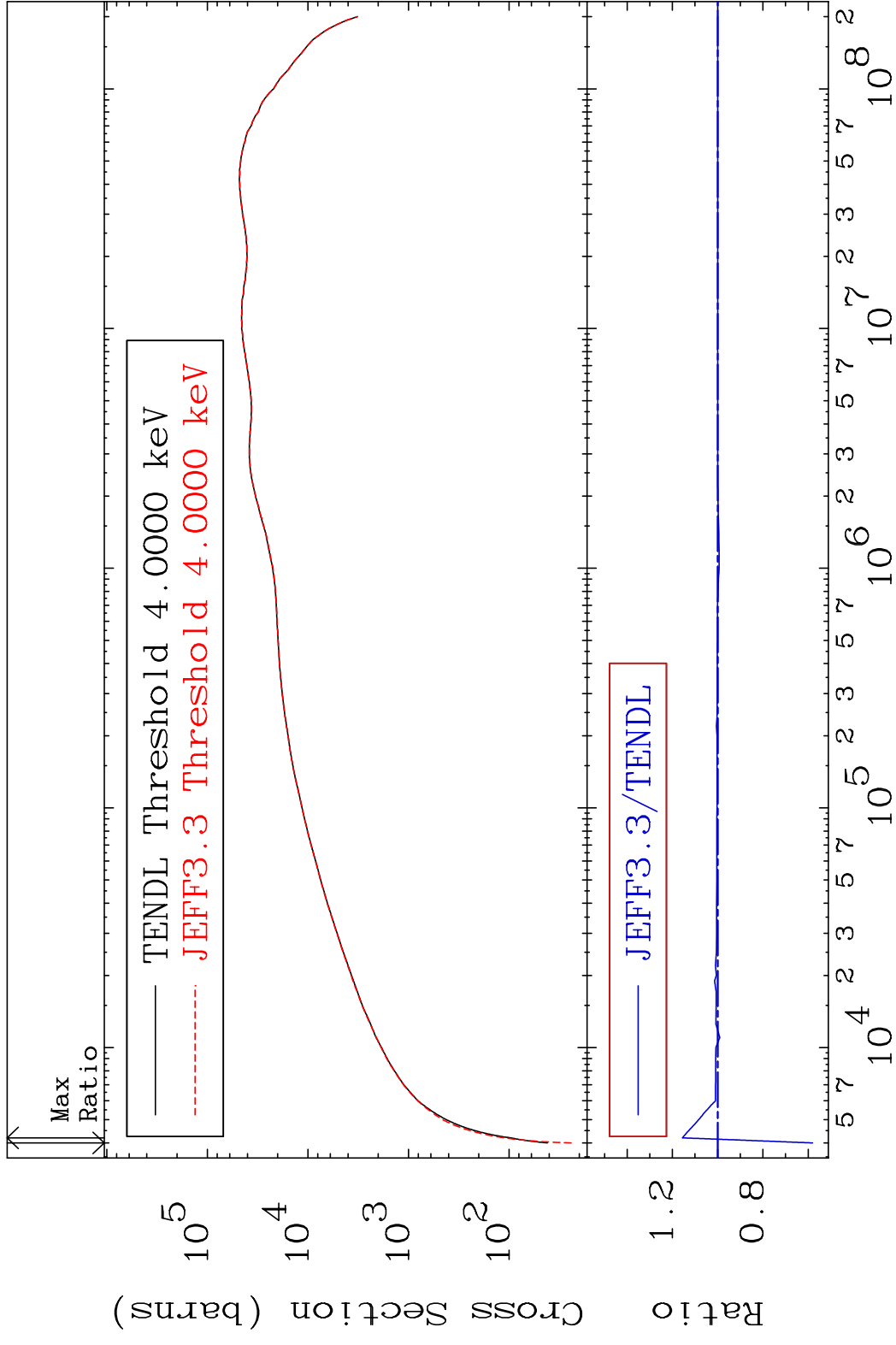
76      Incident Energy (eV)      73-Ta-179

MAT 7322

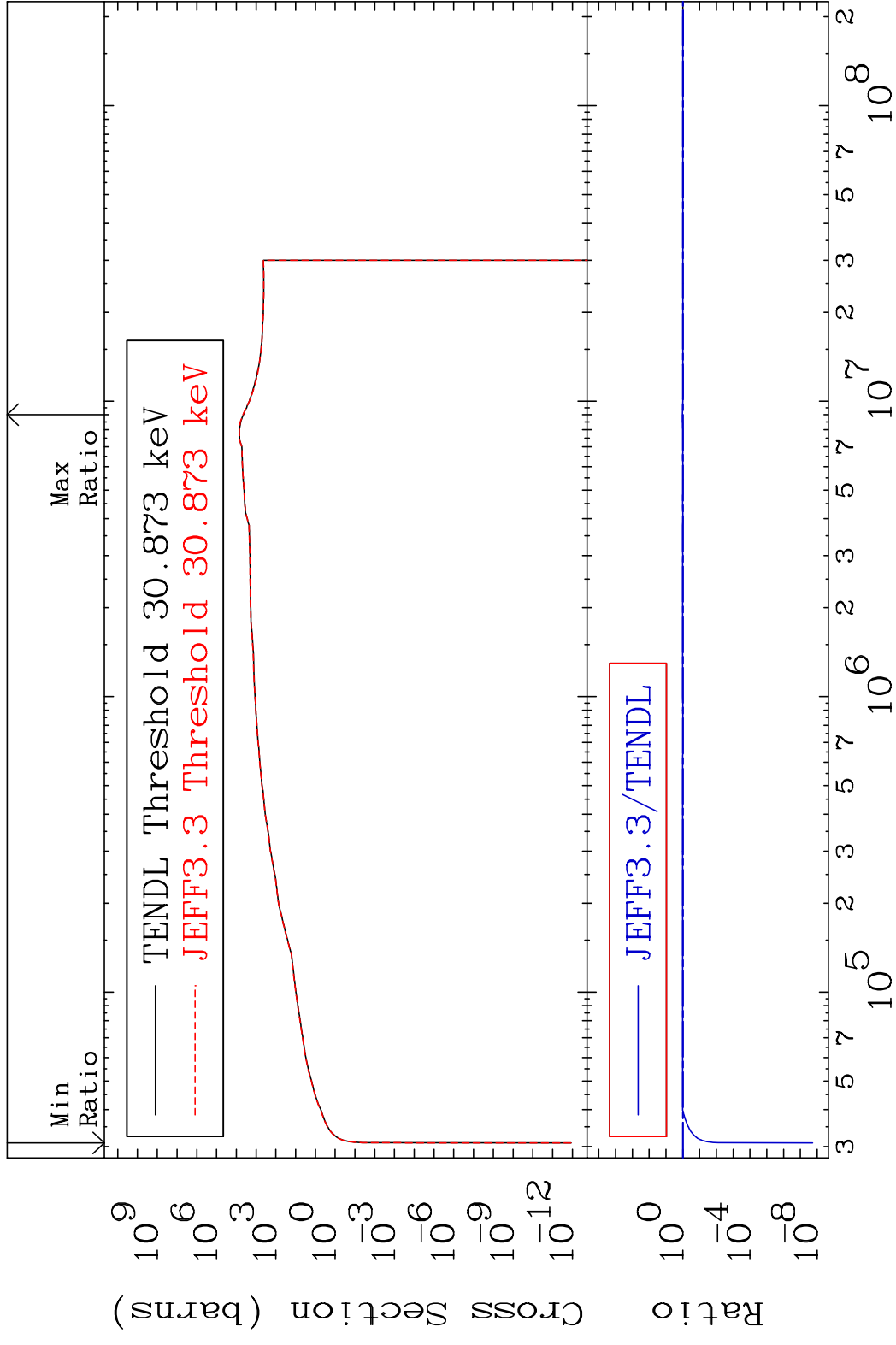
Dpa elastic (mt2)

73-Ta-179

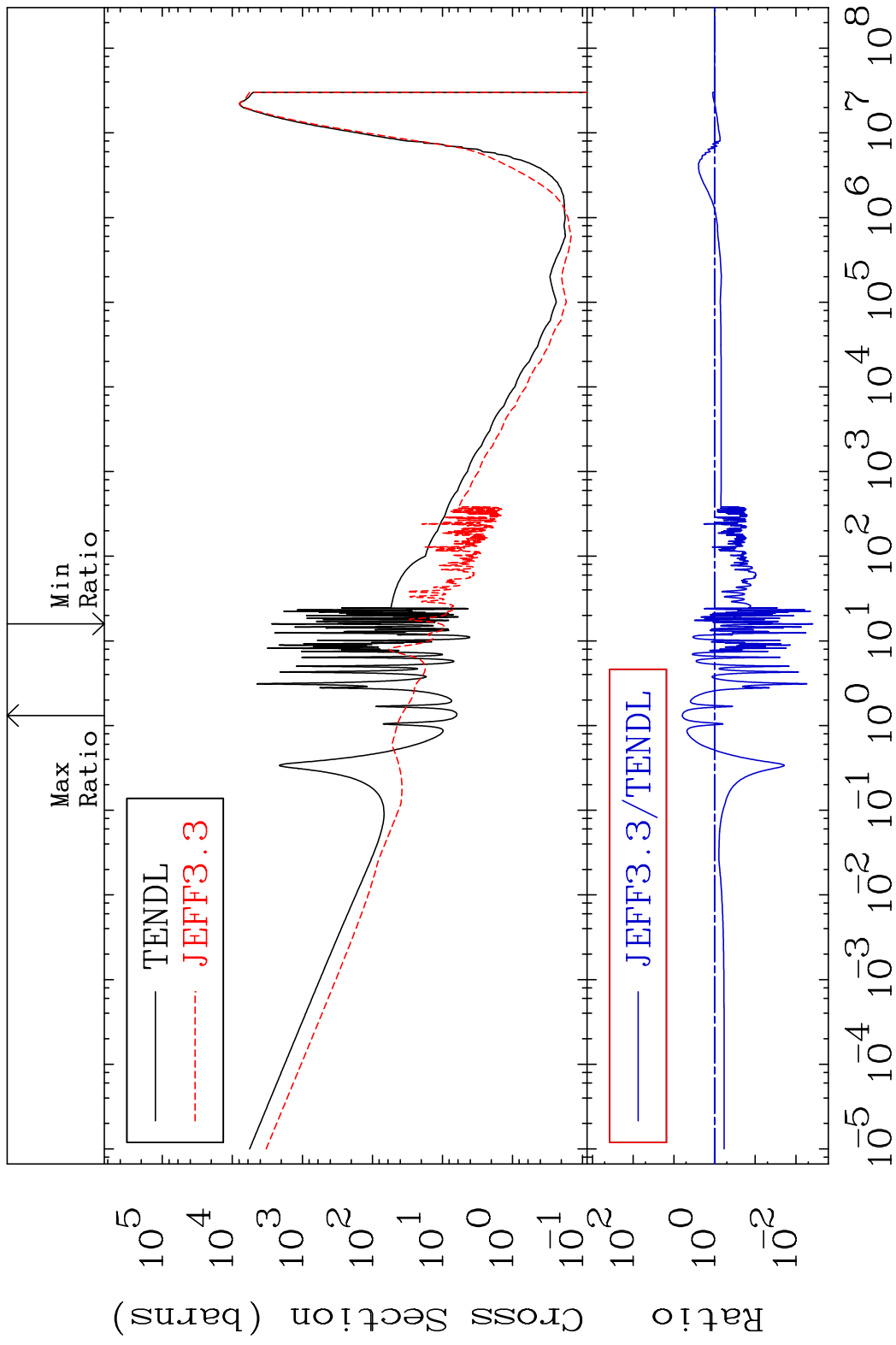
Cross Section -41.94 To 15.61 %



MAT 7322 Dpa inelastic (mt51-91) 73-Ta-179  
 Cross Section -100.0 To 5.646 %

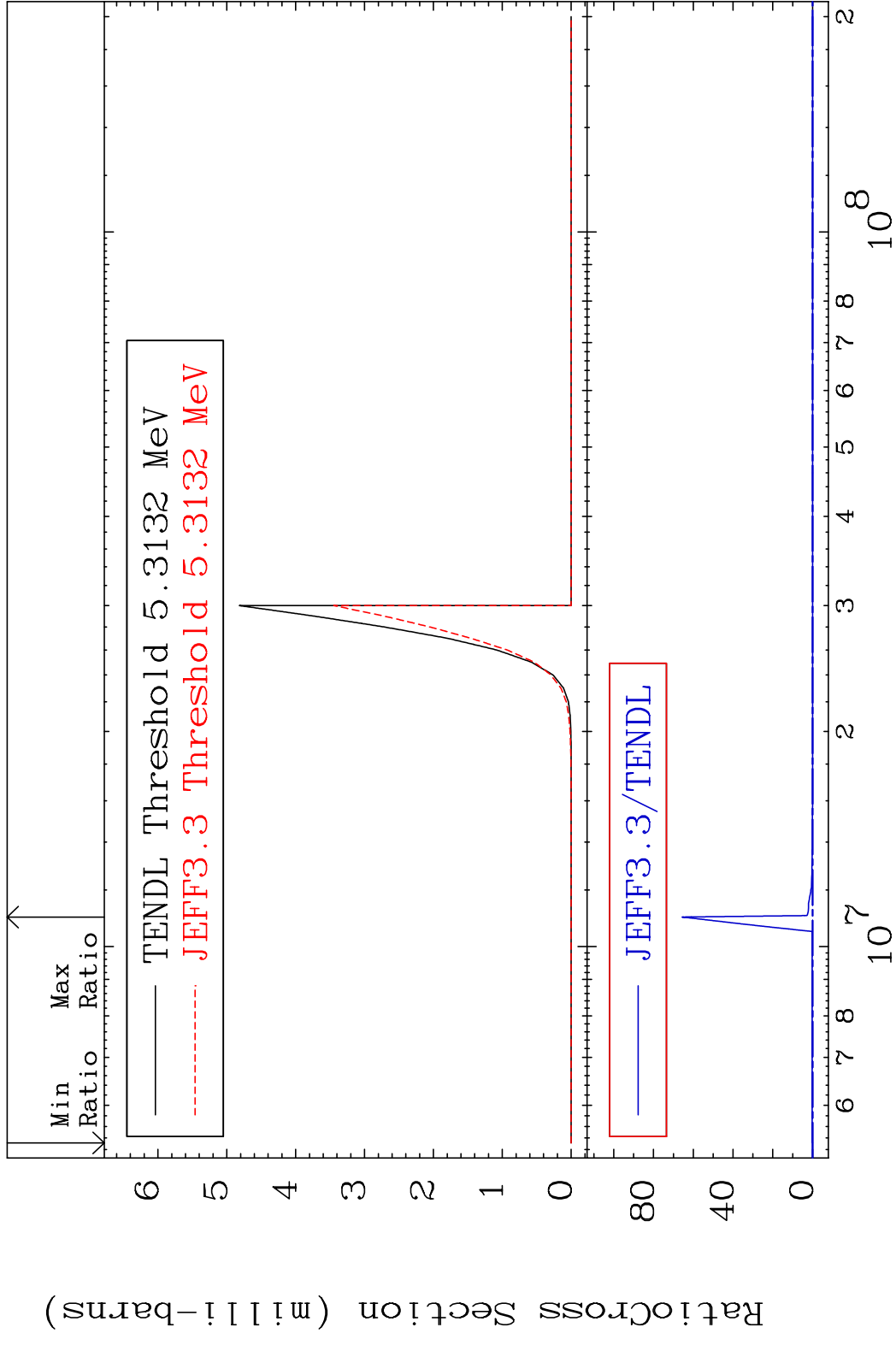


MAT 7322 Dpa disappearance (mt102 -120) 73-Ta-179  
Cross Section -99.61 To 518.2 %

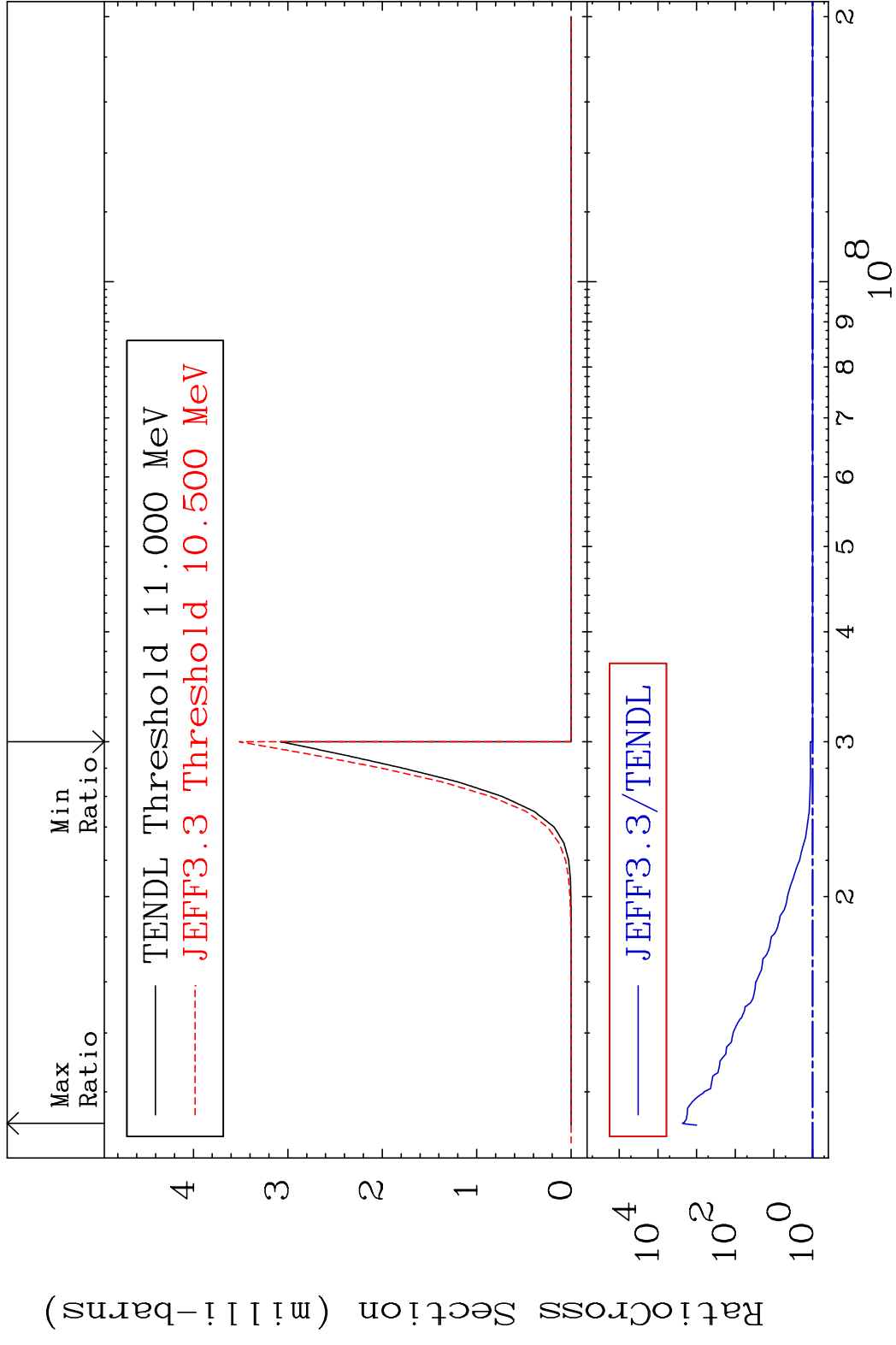


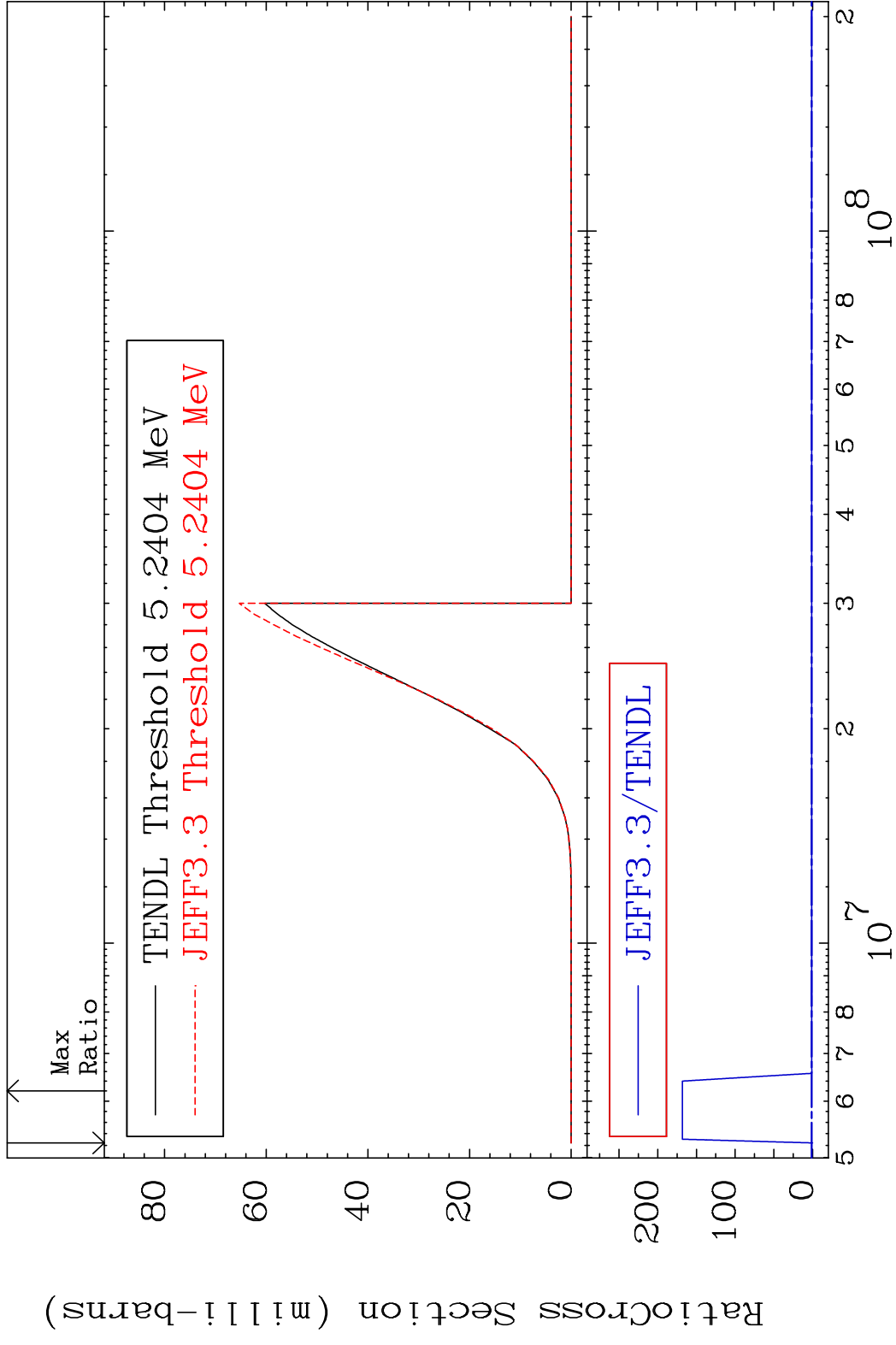


MAT 7322 (n,2n)  $\alpha$ :71-Lu-174g 73-Ta-179  
 Radionuclide Production Cross Section Ratio 9999. %

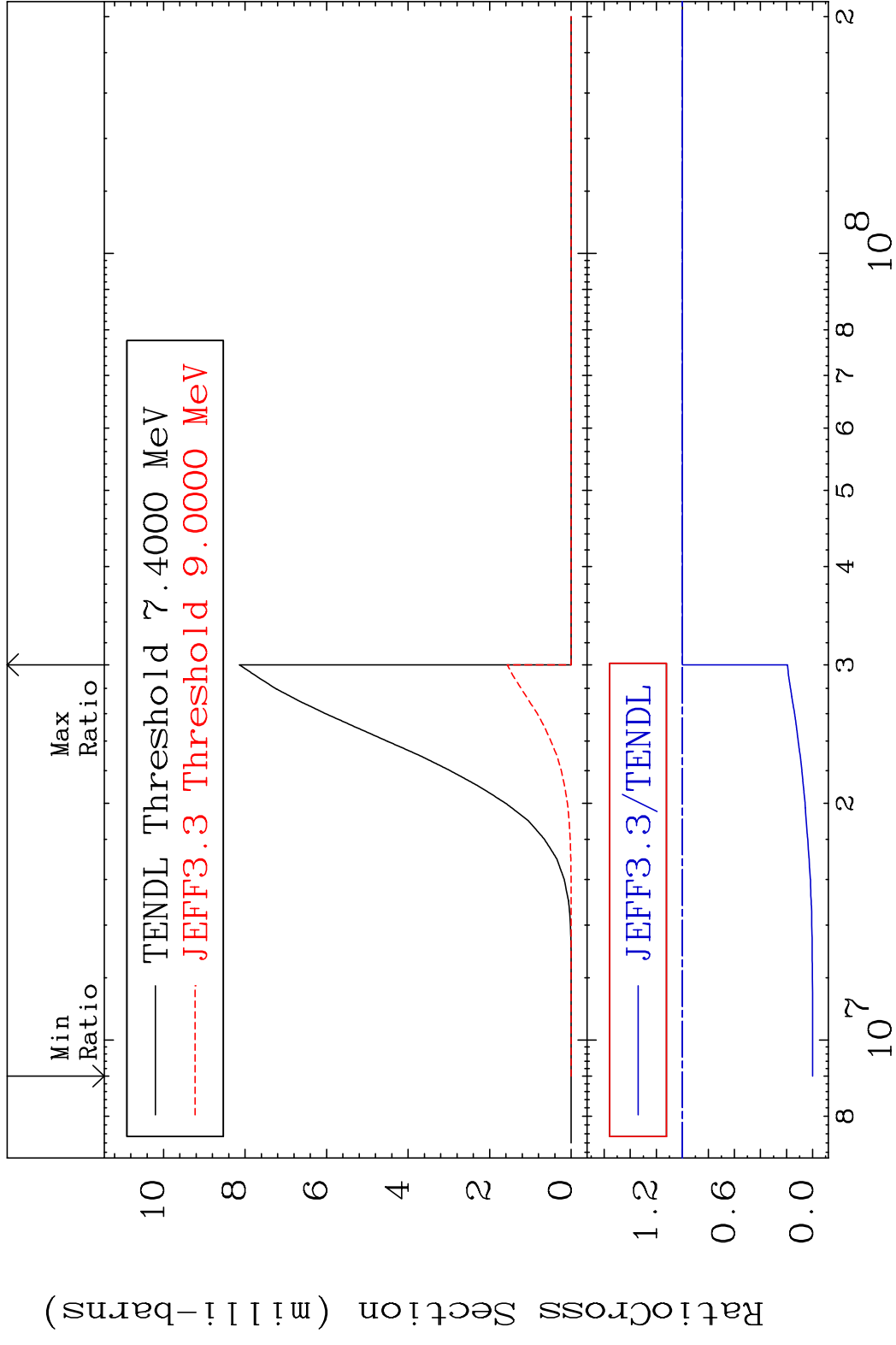


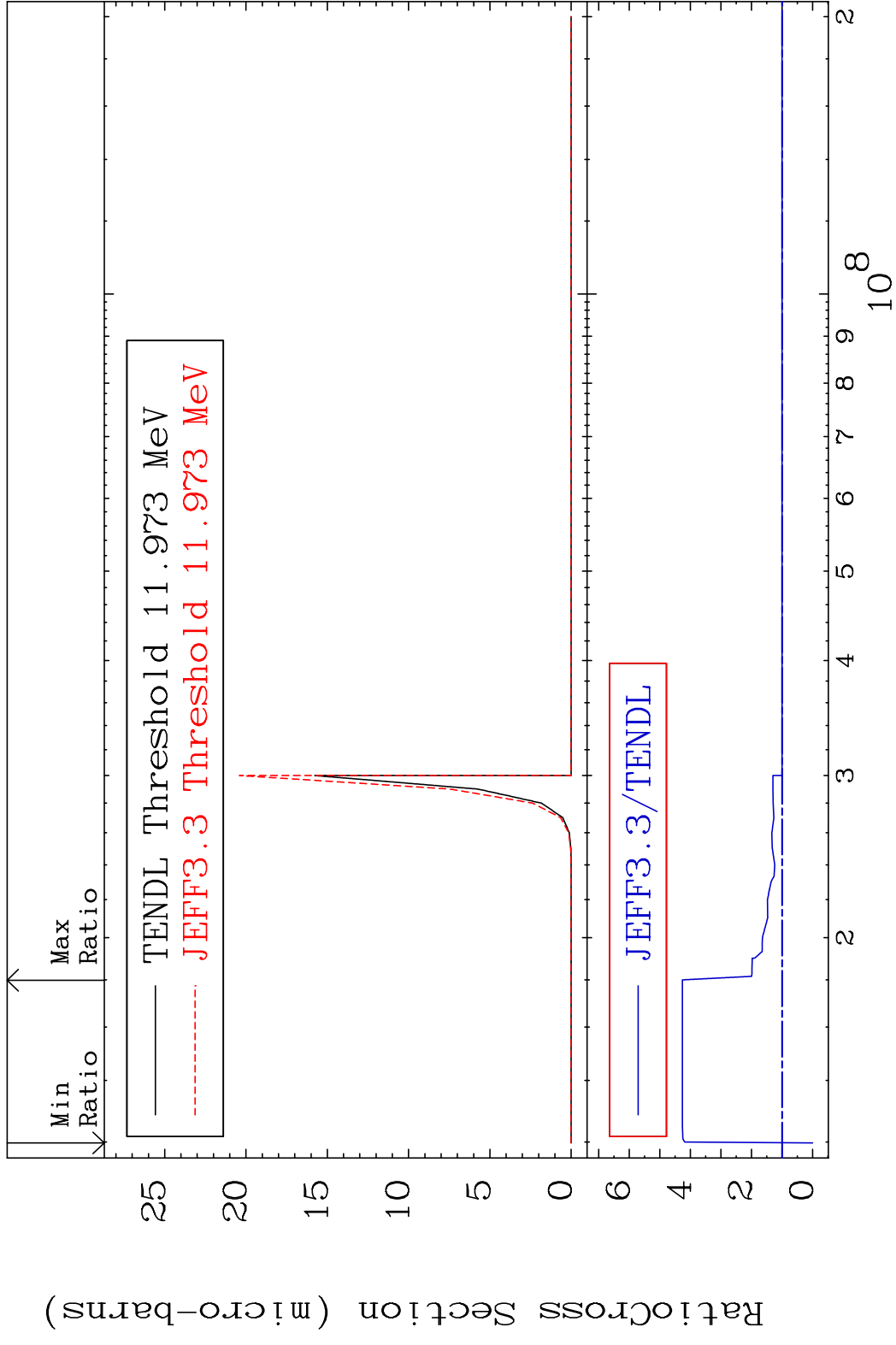
80 Incident Energy (eV) 73-Ta-179

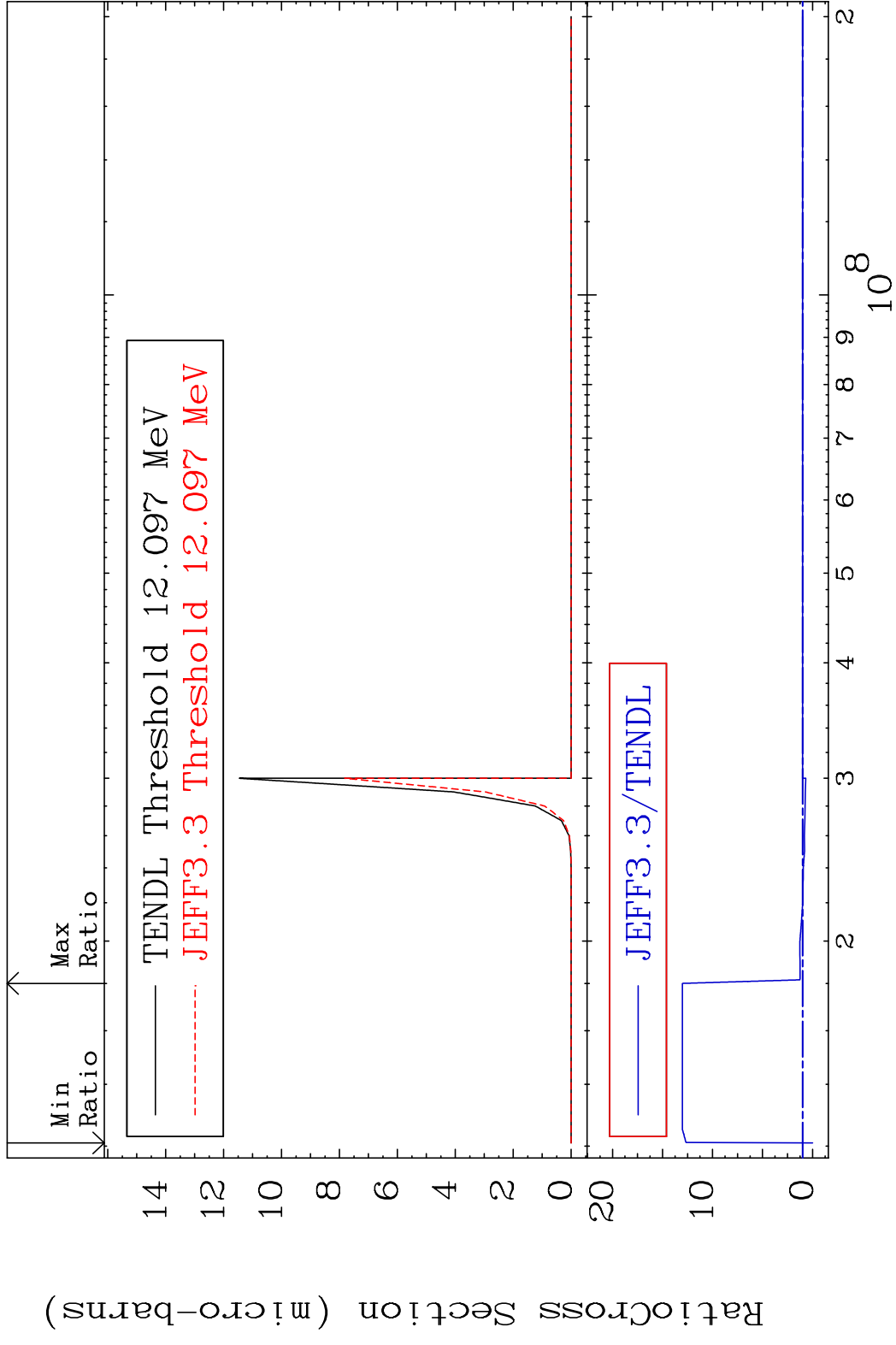




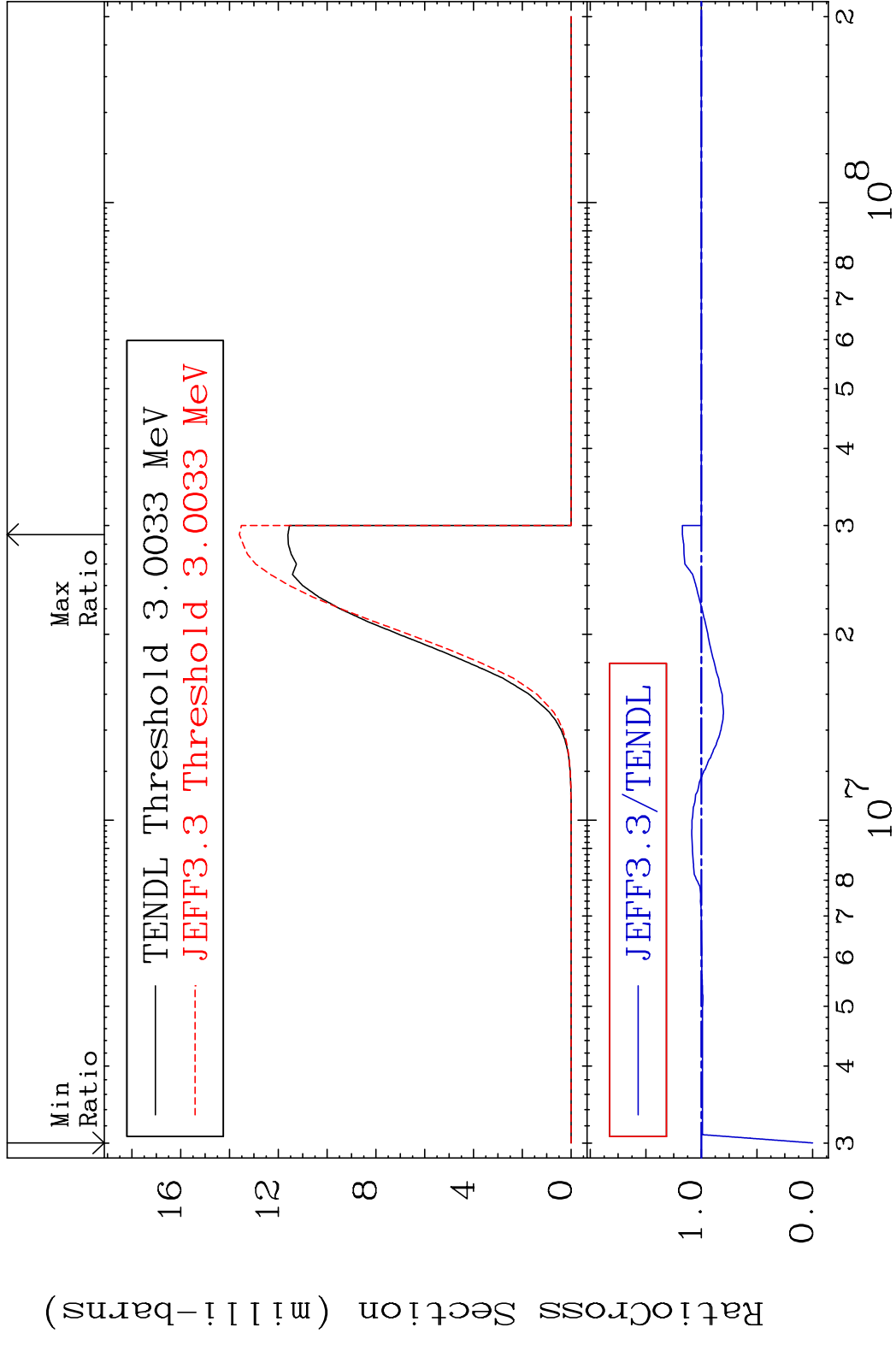
MAT 7322 (n, n') p:72-Hf-178m5 73-Ta-179  
 Radionuclide Production Cross Section Ratio 0.000 %



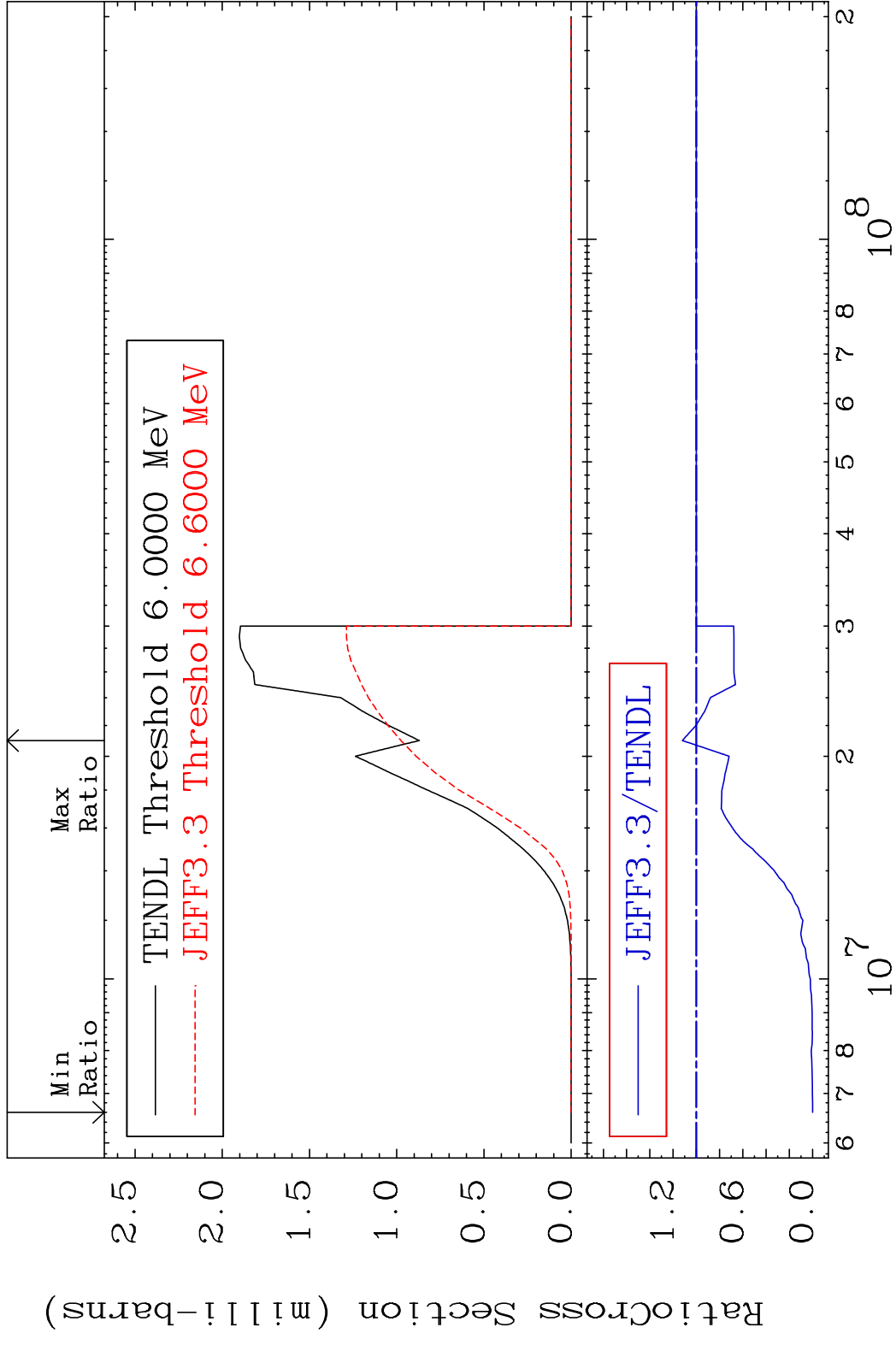




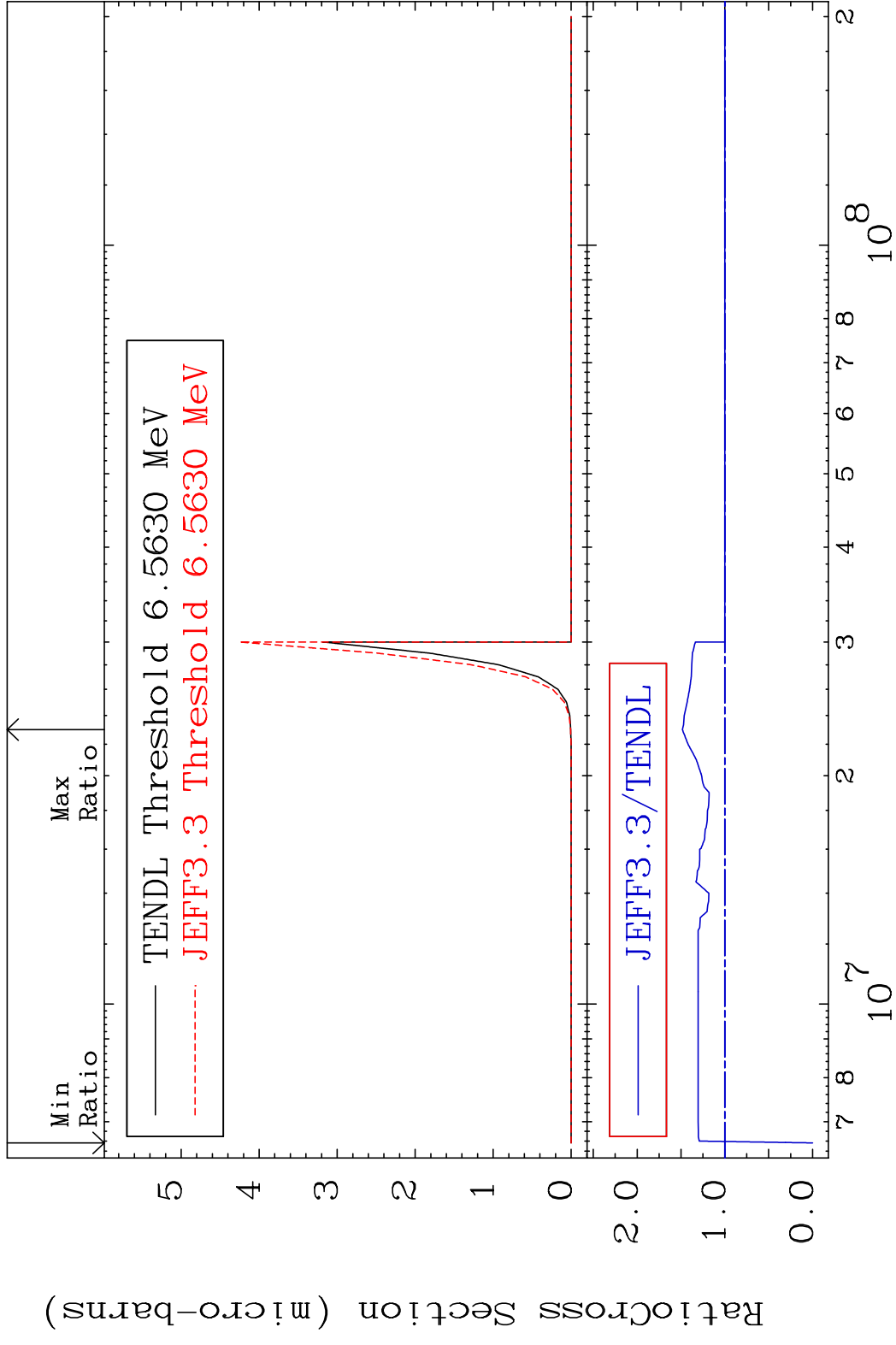
MAT 7322 (n,d):72-Hf-178g 73-Ta-179  
 Radionuclide Production Cross Section 18.00 mb 17.16 %

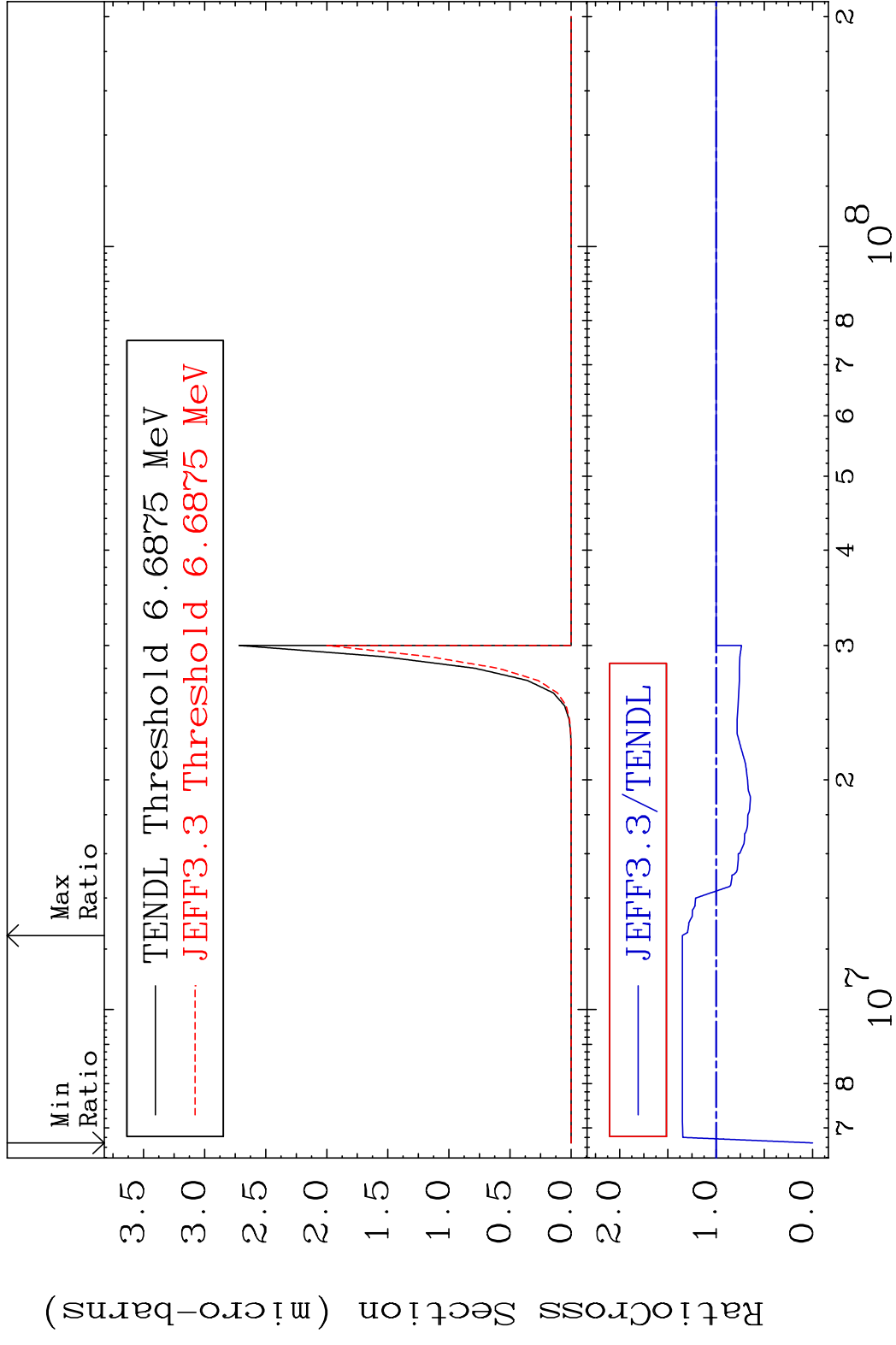


MAT 7322 (n, d): 72-Hf-178m5 73-Ta-179  
 Radionuclide Production Cross Section 18.04 mb 12.04 %

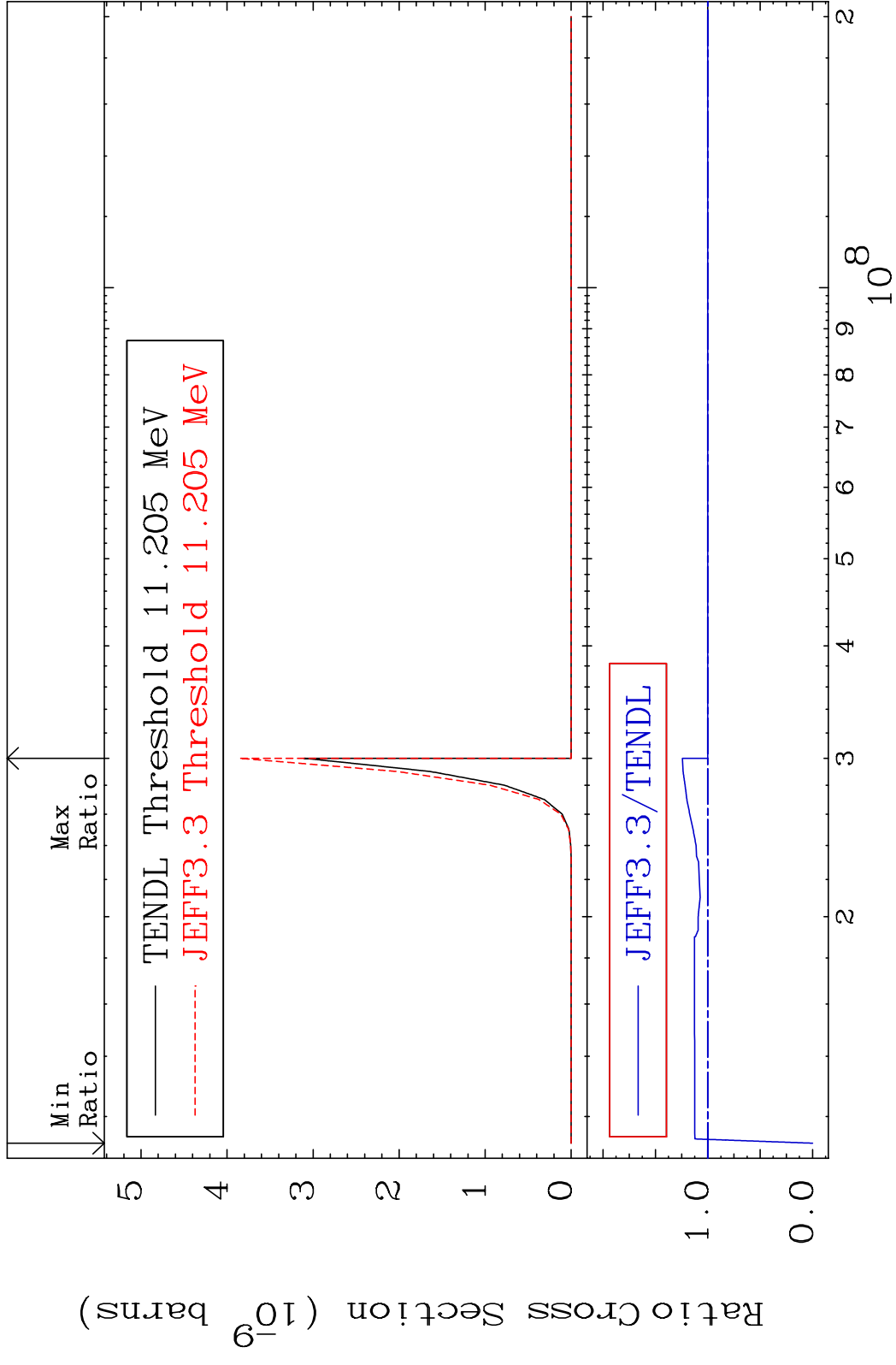








MAT 7322 (n,p) t:71-Lu-176g 73-Ta-179  
 Radionuclide Production Cross Section 180.01 dth 24.27 %



MAT 7322 (n, p) t:71-Lu-176m1 73-Ta-179  
 Radionuclide Production Cross Section Ratio 0.000 %

