

Program Complot  
(Version 2021-1)

by

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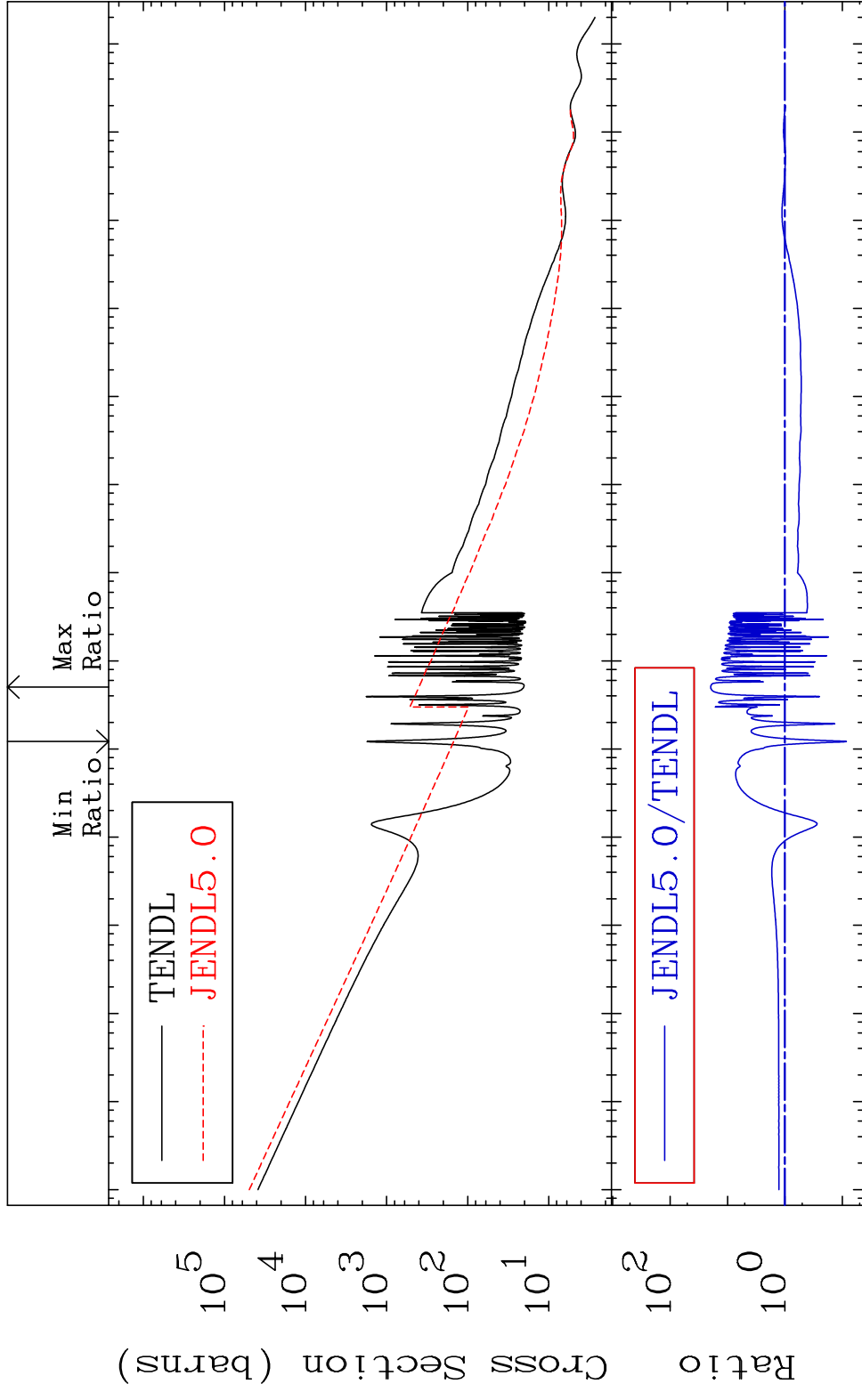
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7322

Total  
Cross Section -91.44 To 1860. %

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>8</sup> 10<sup>7</sup> 10<sup>6</sup> 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>

1

Incident Energy (eV)

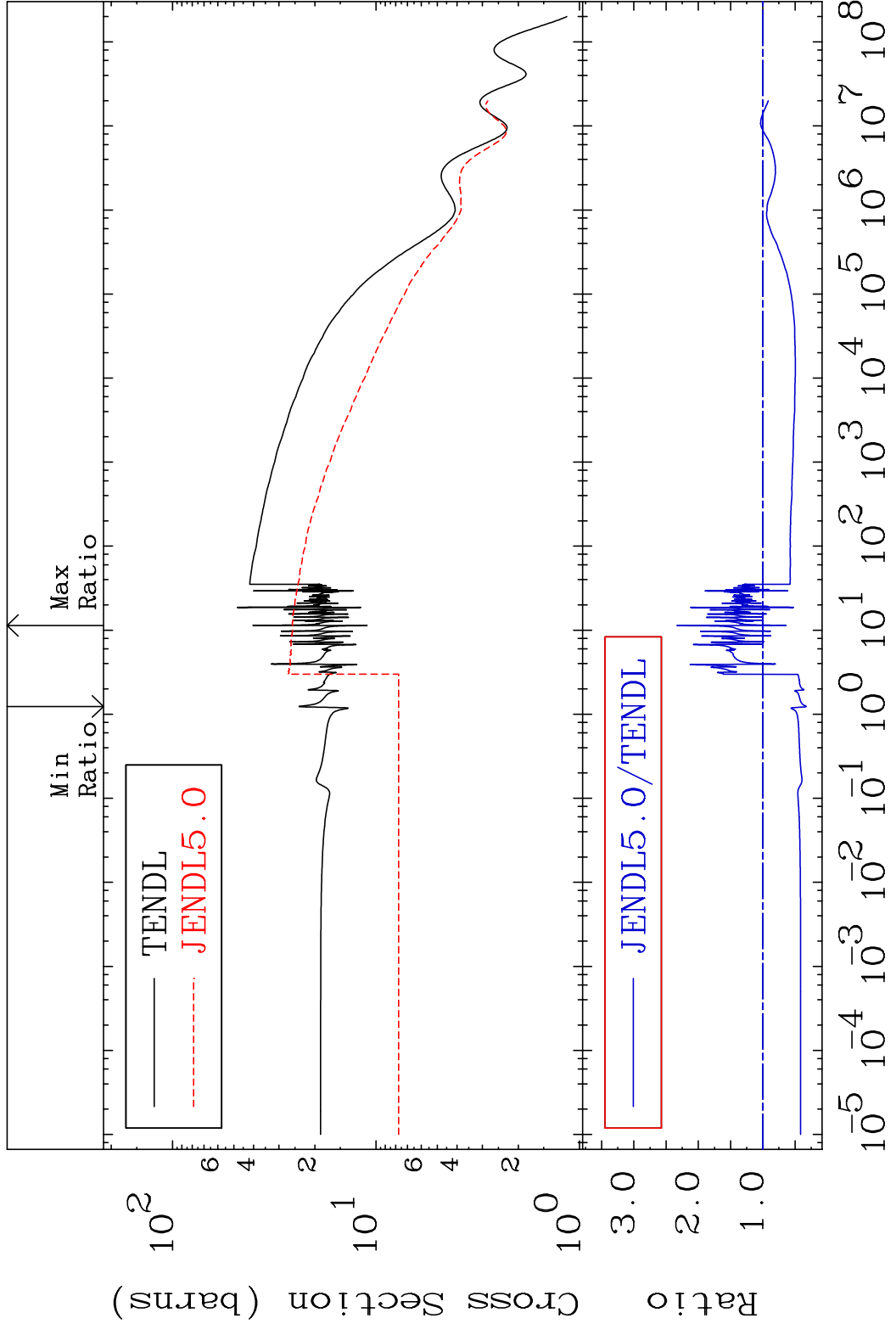
73-Ta-179

MAT 7322

Elastic

73-Ta-179

Cross Section -67.58 To 132.8 %

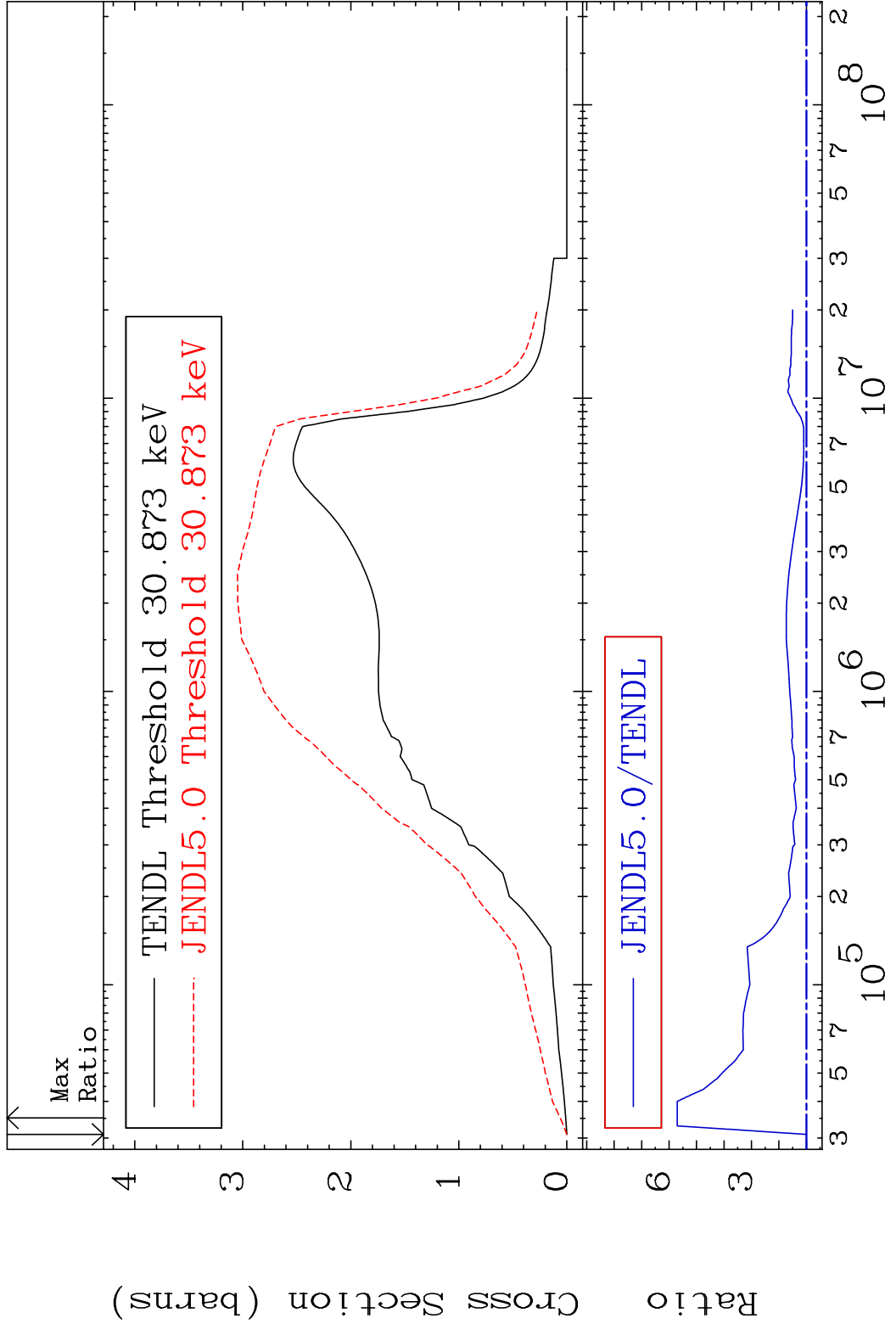


2

Incident Energy (eV)

73-Ta-179

MAT 7322 Inelastic 73-Ta-179  
 Cross Section 0.000 To 470.5 %



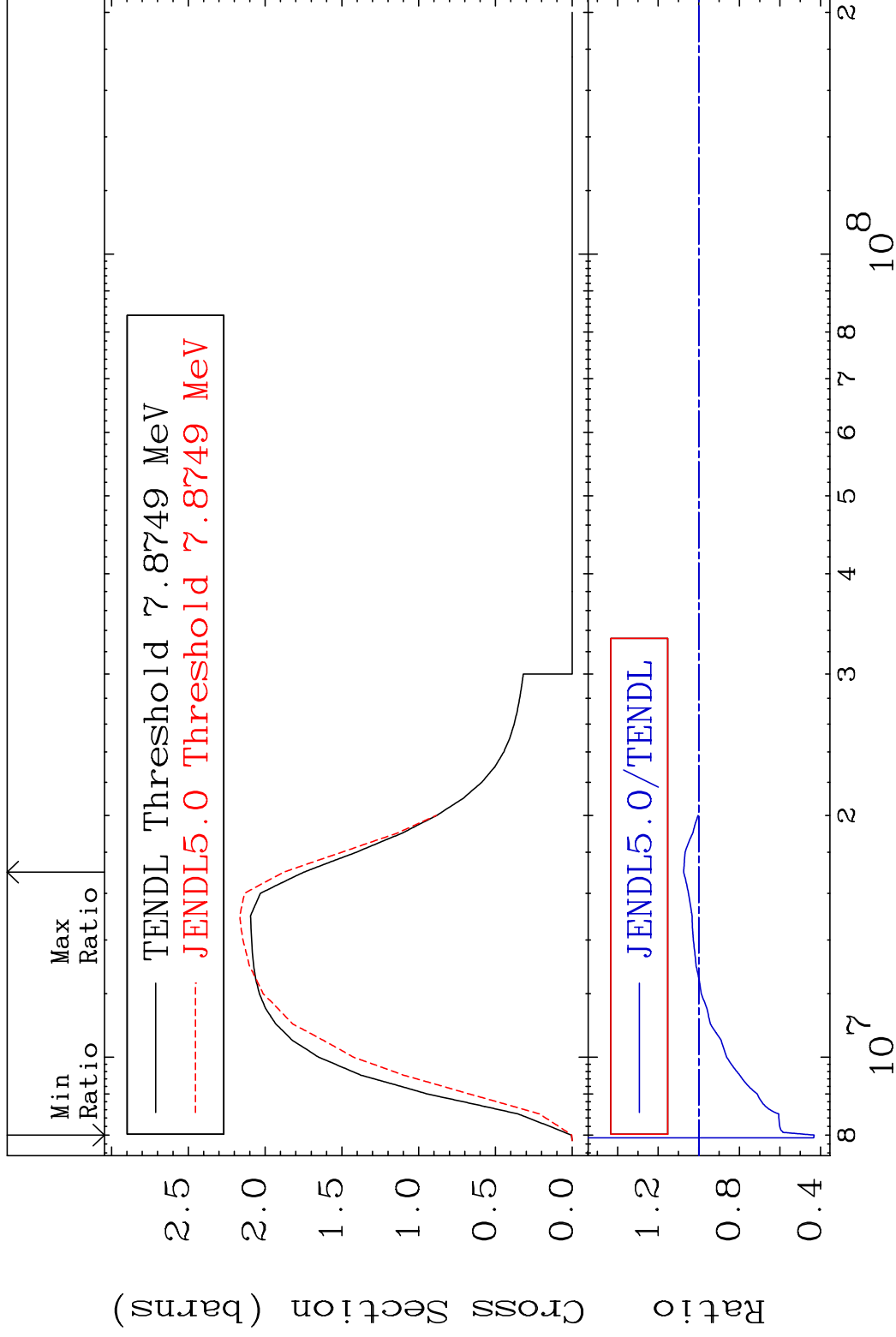
3 Incident Energy (eV) 73-Ta-179

MAT 7322

(n,2n)

73-Ta-179

Cross Section -56.82 To 7.458 %



4

Incident Energy (eV)

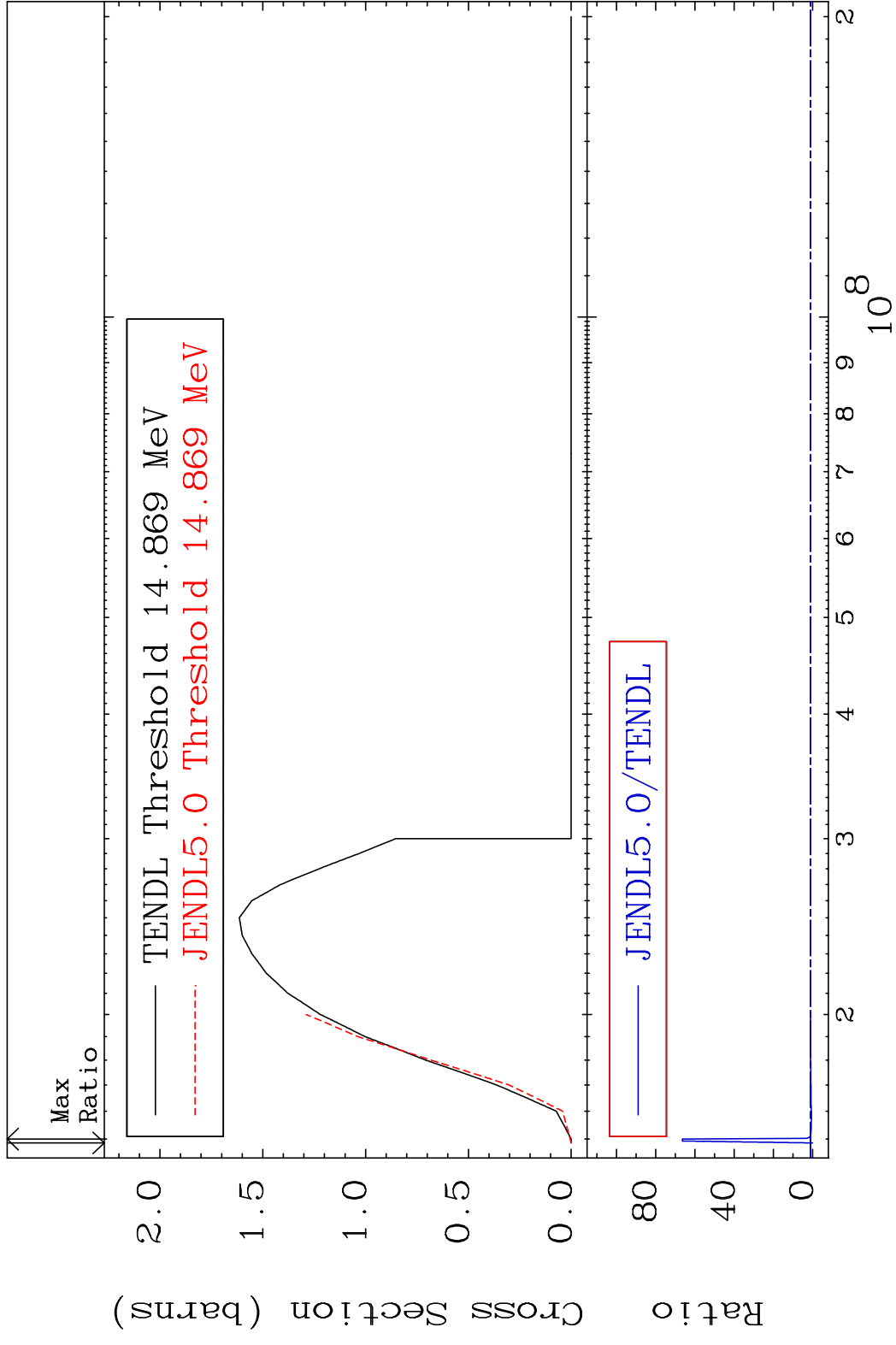
73-Ta-179

MAT 7322

(n,3n)

73-Ta-179

Cross Section -100.0 To 6539. %



5

Incident Energy (eV)

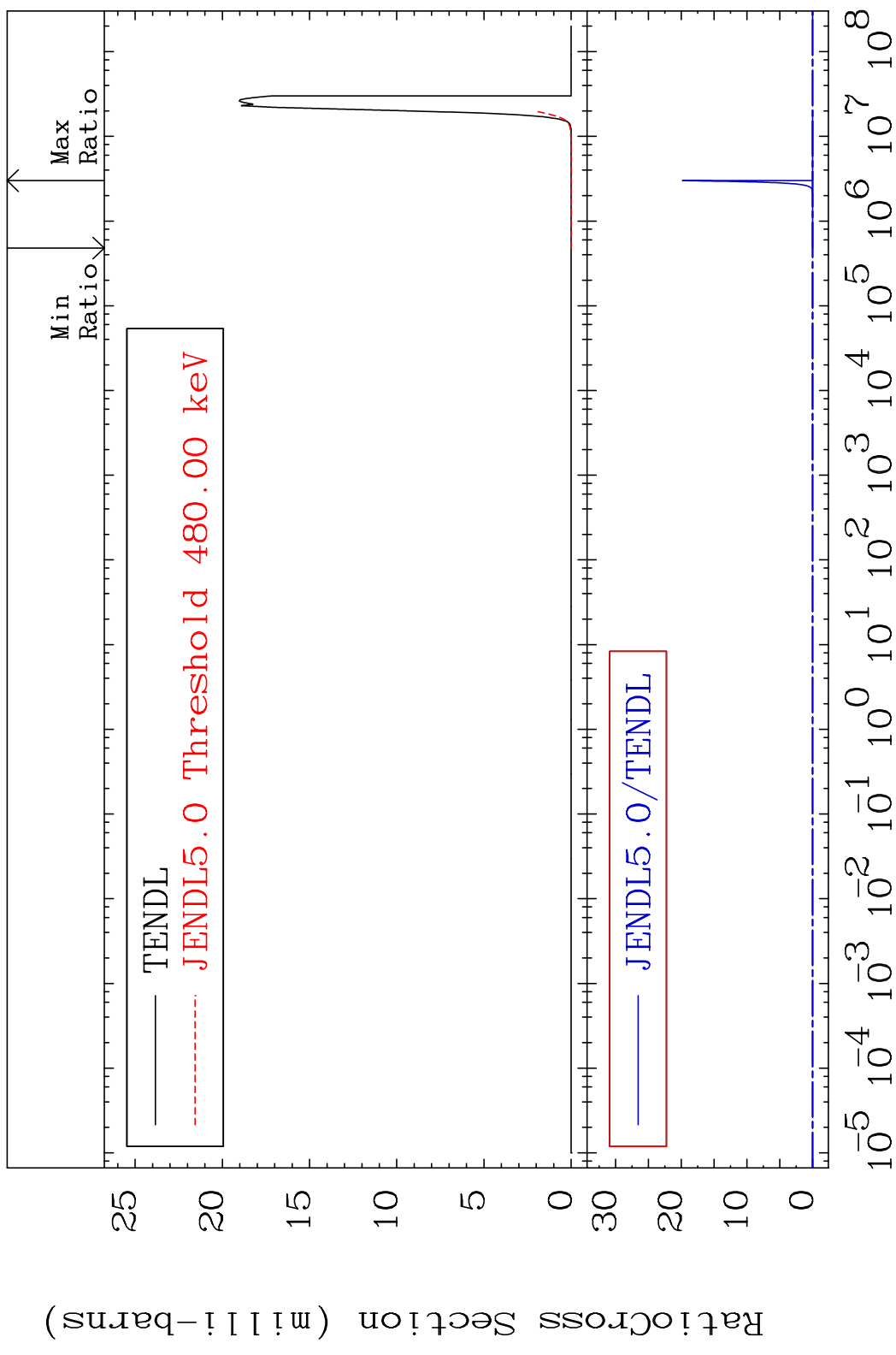
73-Ta-179

MAT 7322

(n, n')  $\alpha$

73-Ta-179

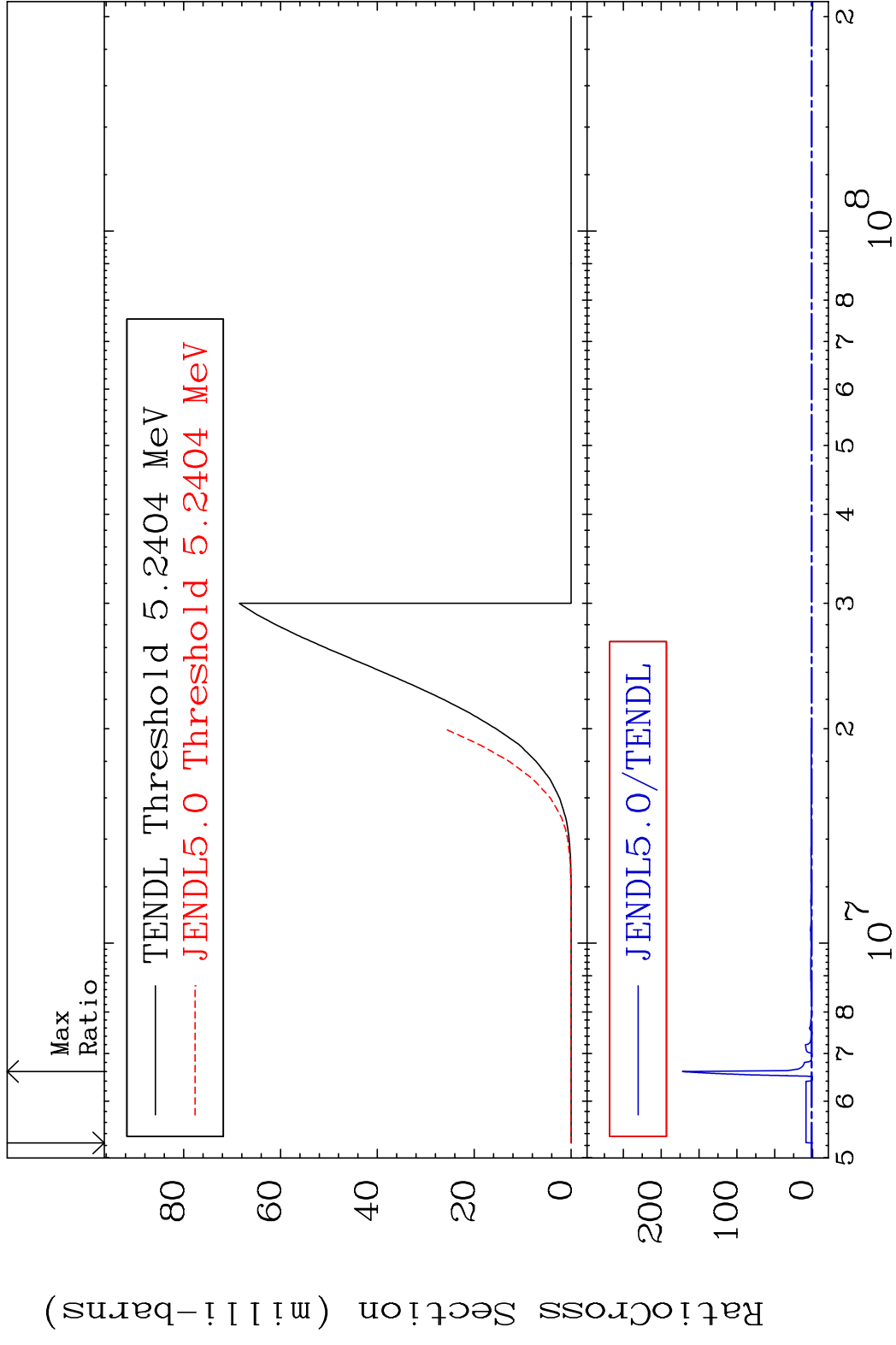
Cross Section -100.0 To 9999. %



MAT 7322

(n, n') p 73-Ta-179

Cross Section -100.0 To 9999. %

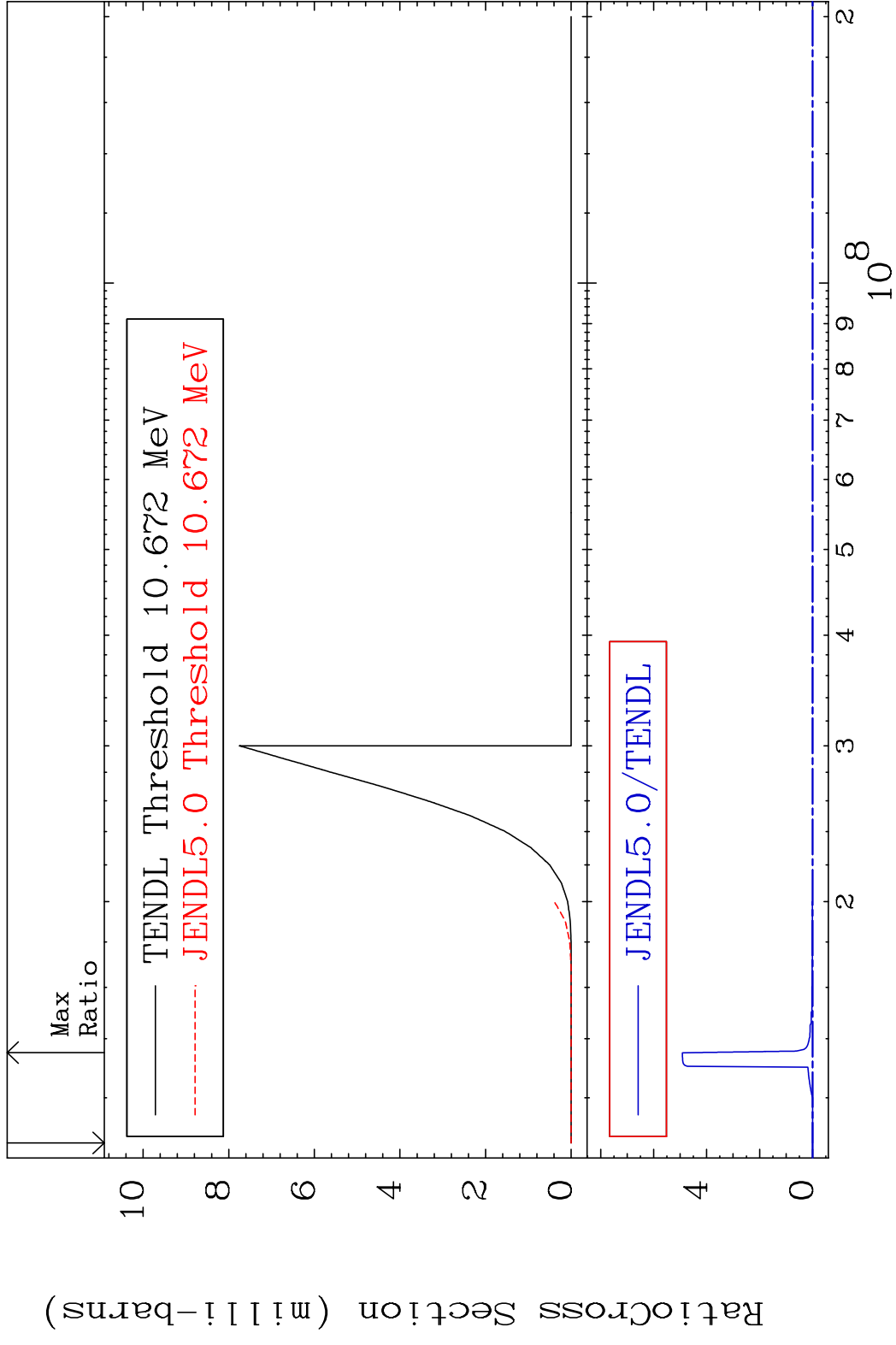


7

Incident Energy (eV)

73-Ta-179

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

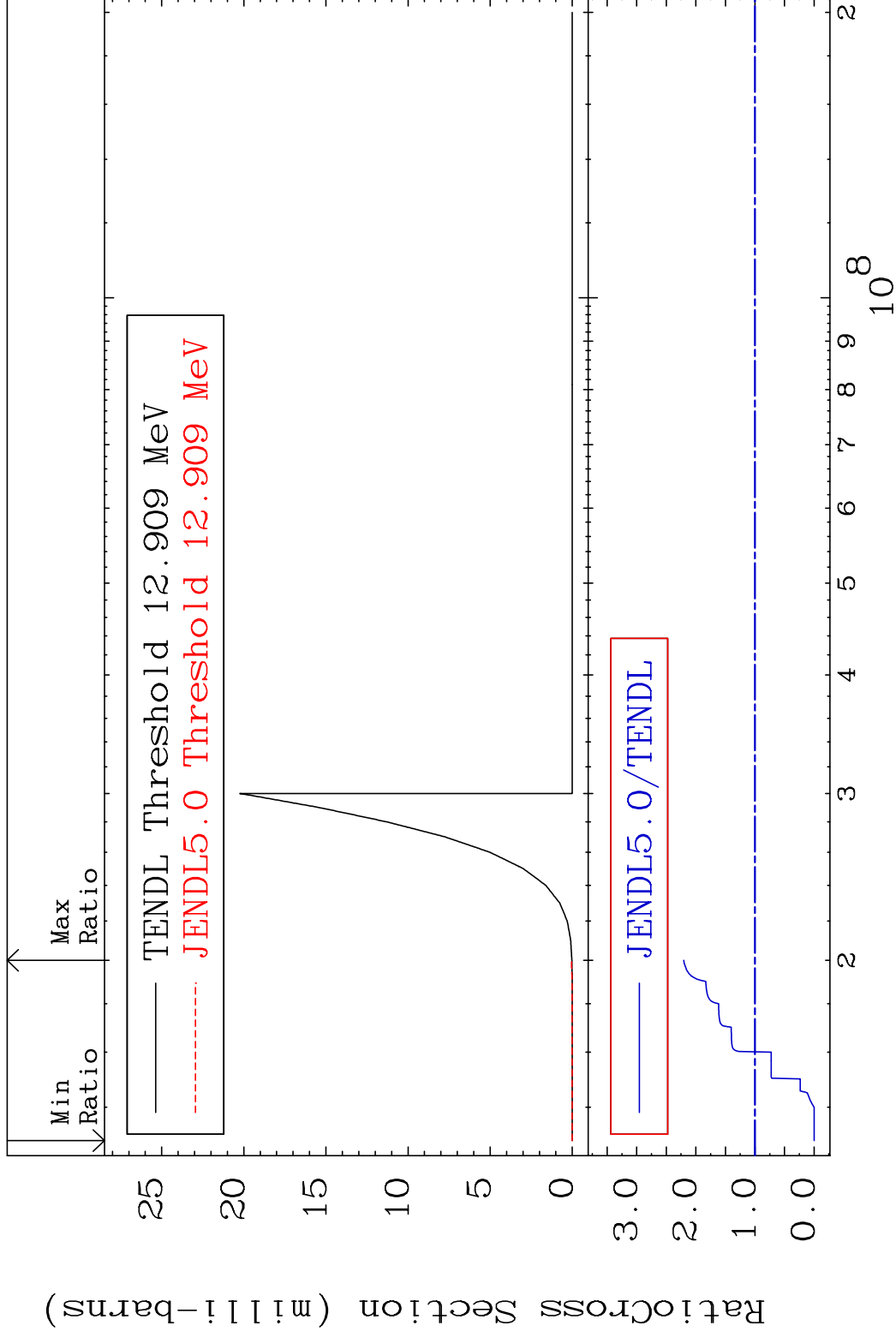


MAT 7322

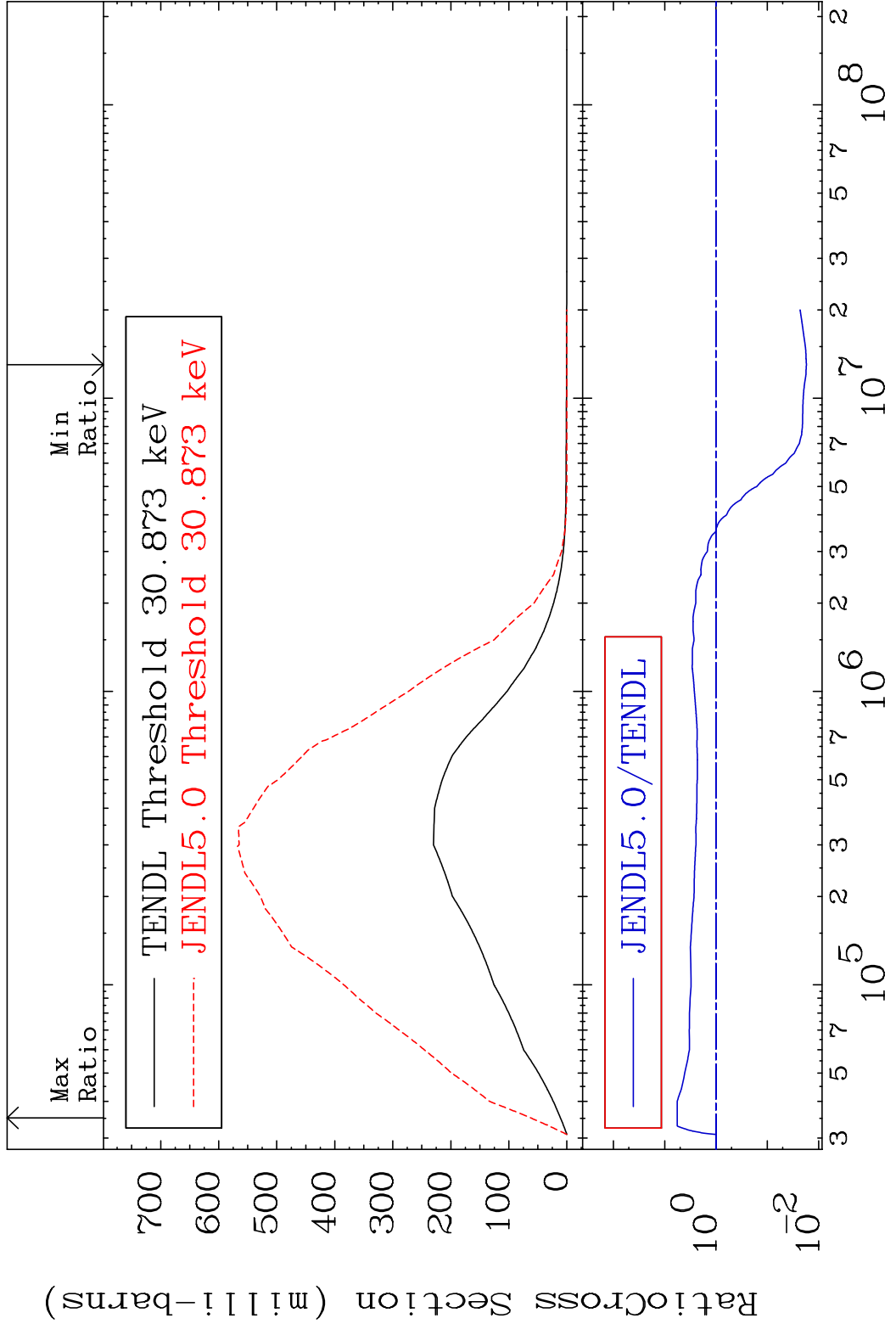
(n,2n) p

73-Ta-179

Cross Section -100.0 To 120.6 %

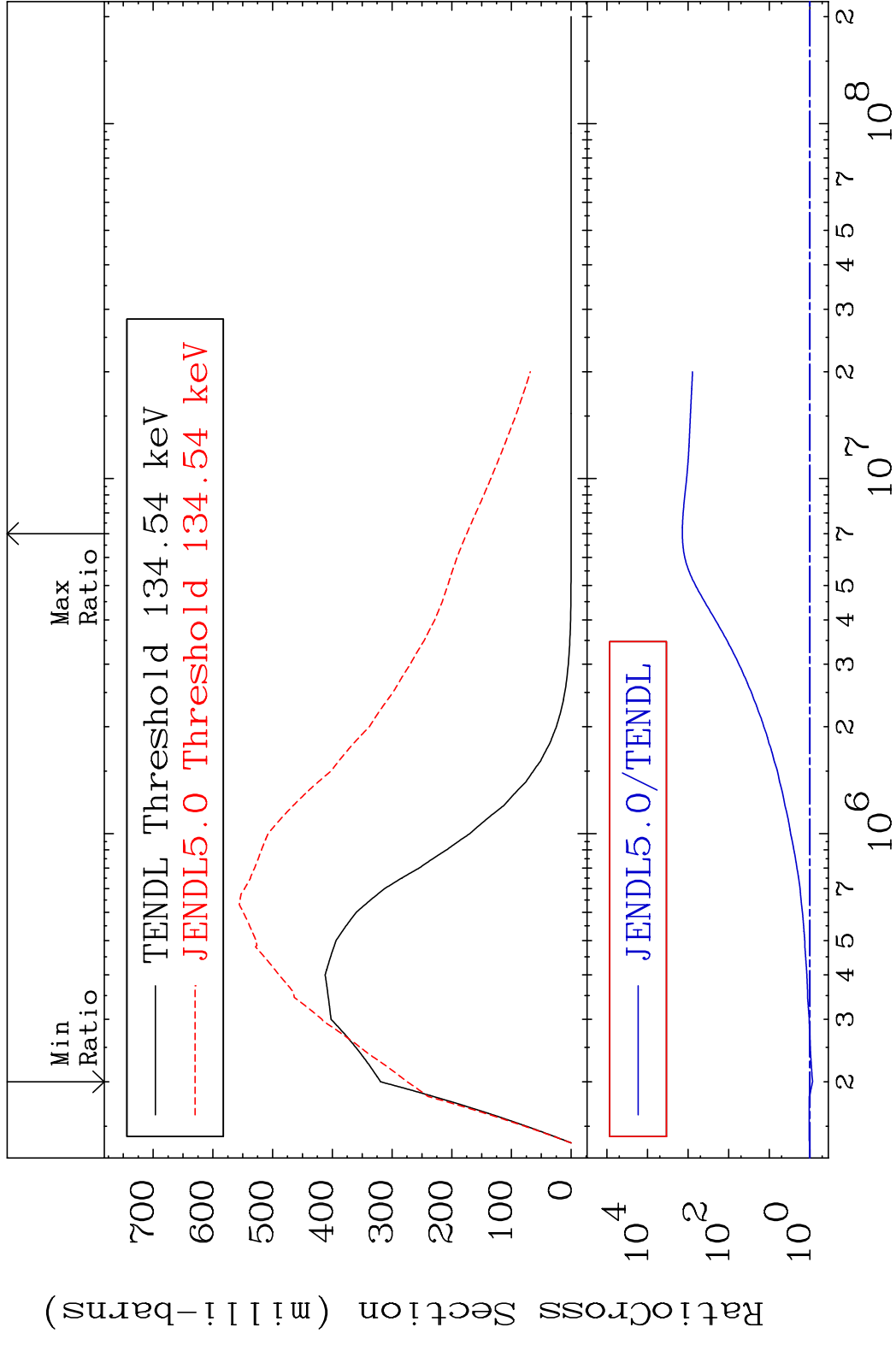


MAT 7322 MT= 51 (n,n') Level 73-Ta-179  
 Cross Section -98.27 To 470.5 %

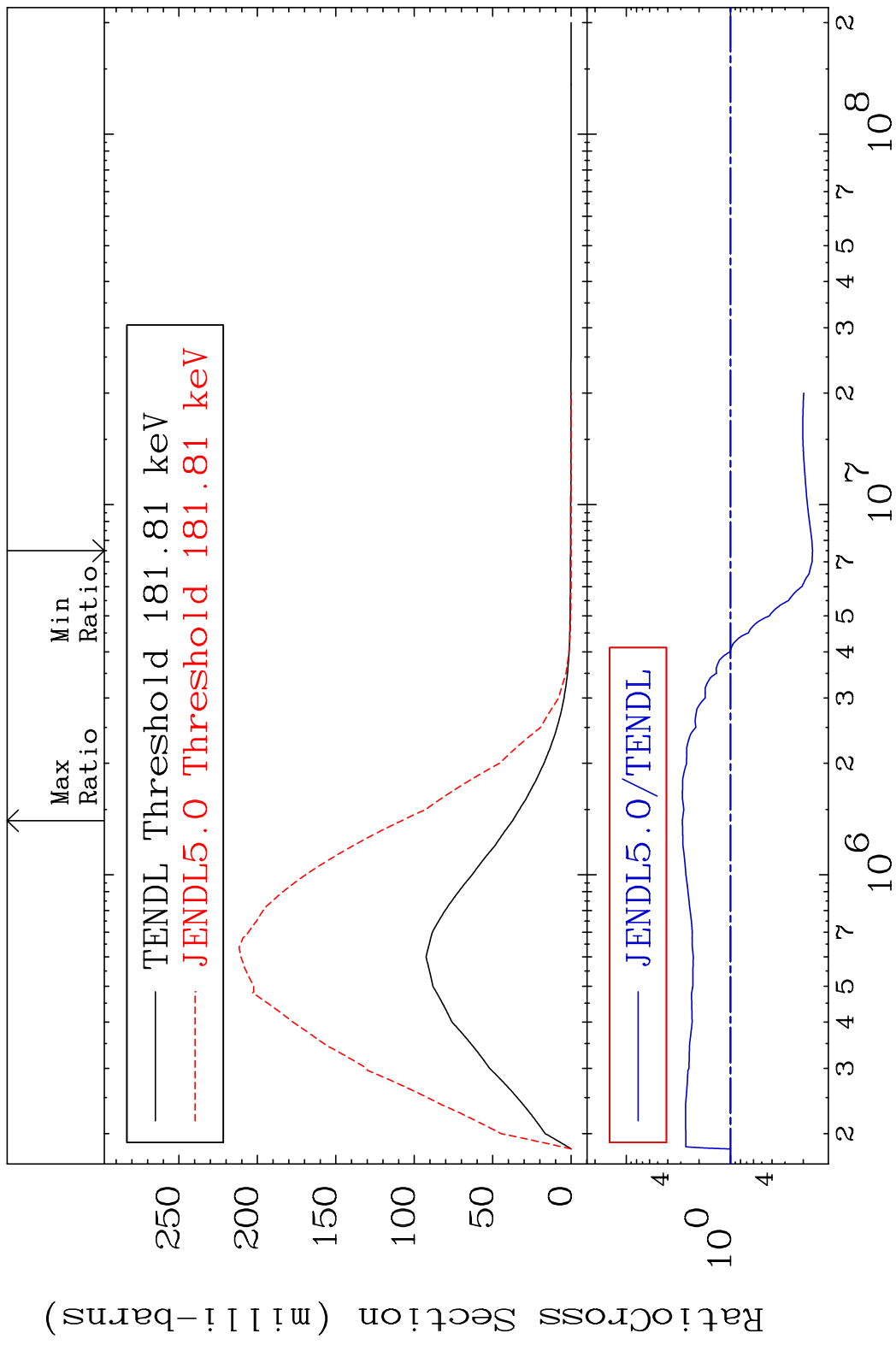


10 Incident Energy (eV) 73-Ta-179

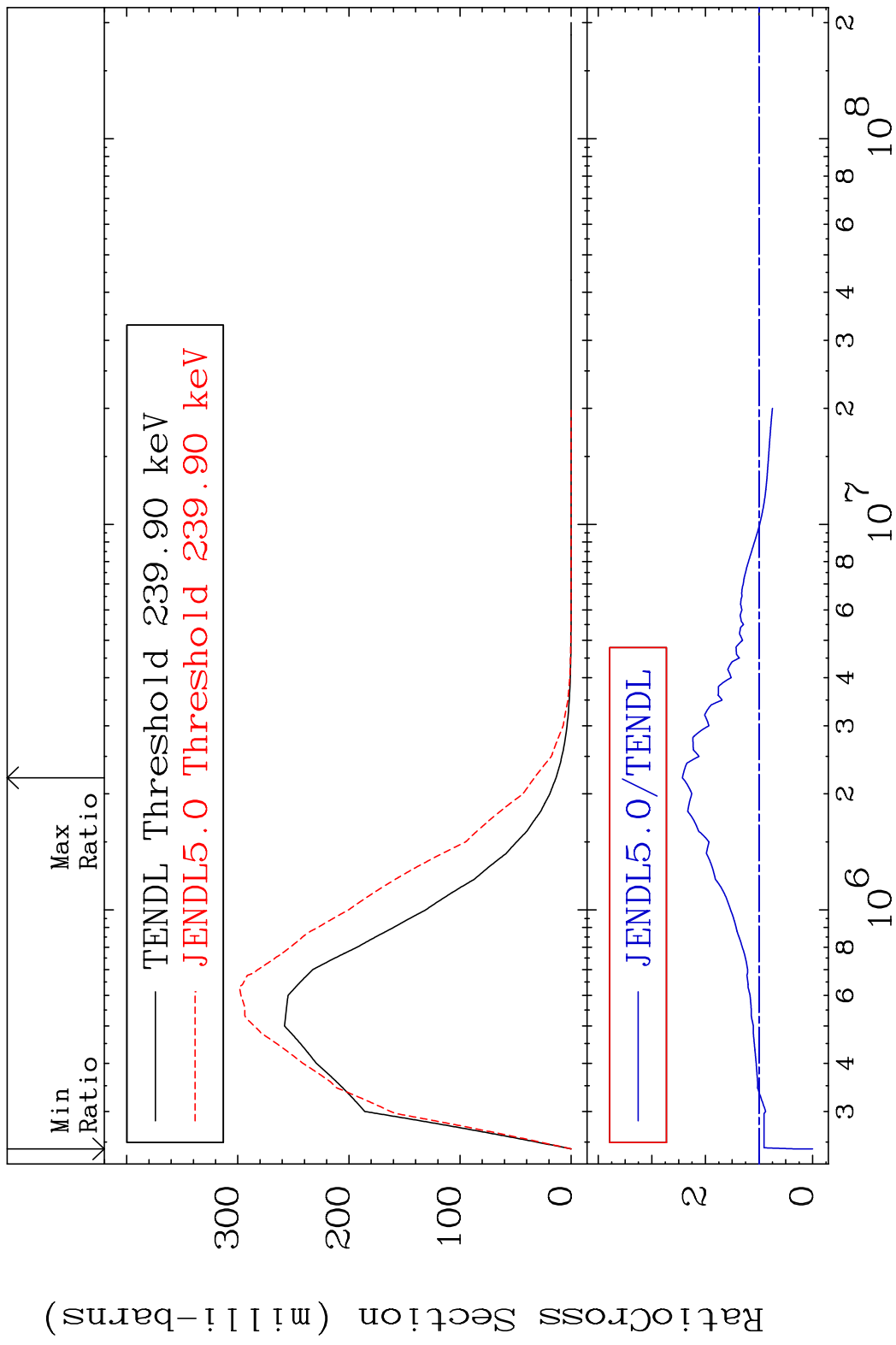
MAT 7322 MT= 52 (n, n') Level 73-Ta-179  
 Cross Section -13.97 To 9999. %



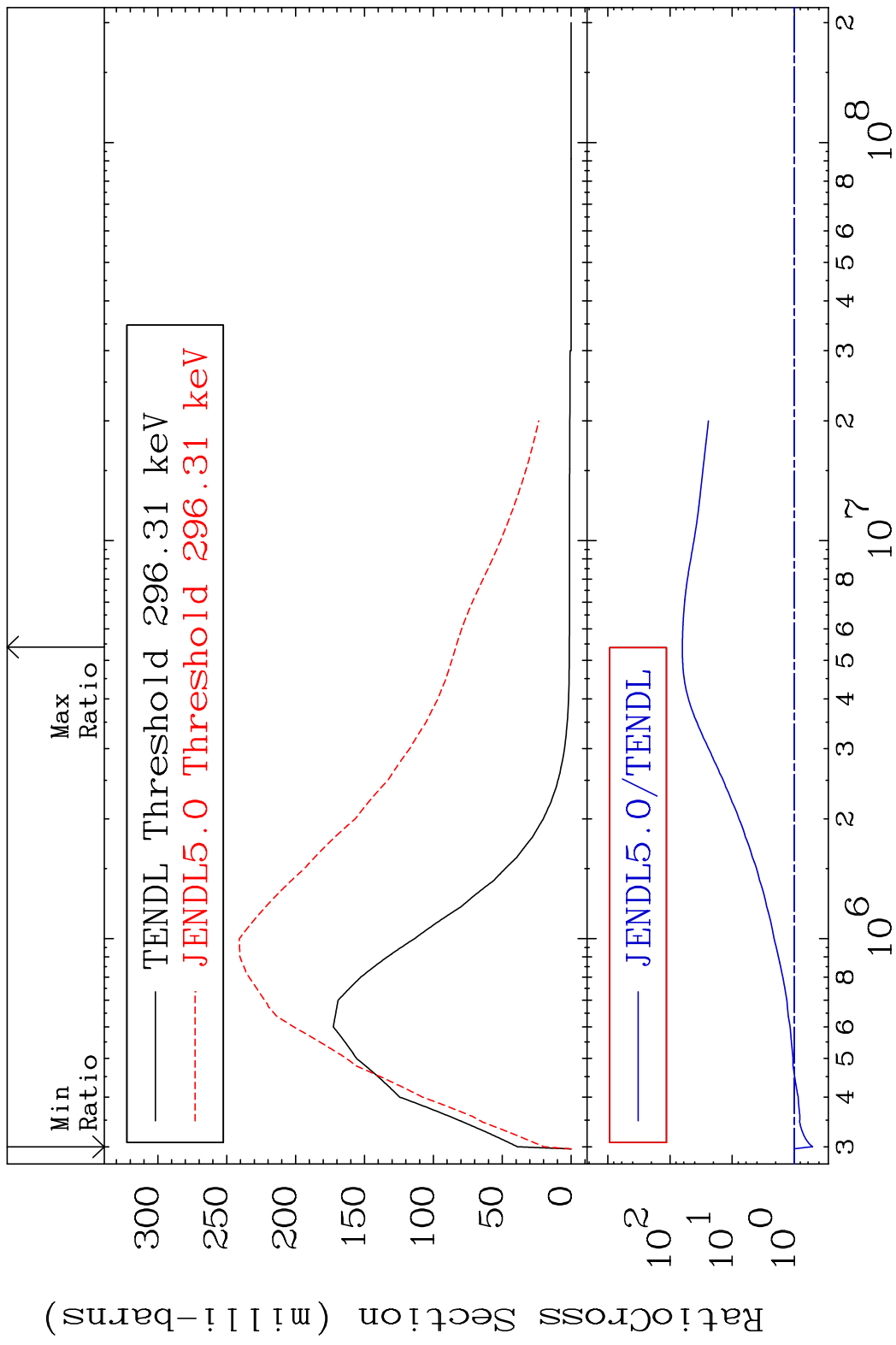
MAT 7322 MT= 53 (n, n') Level 73-Ta-179  
 Cross Section -83.72 To 189.8 %



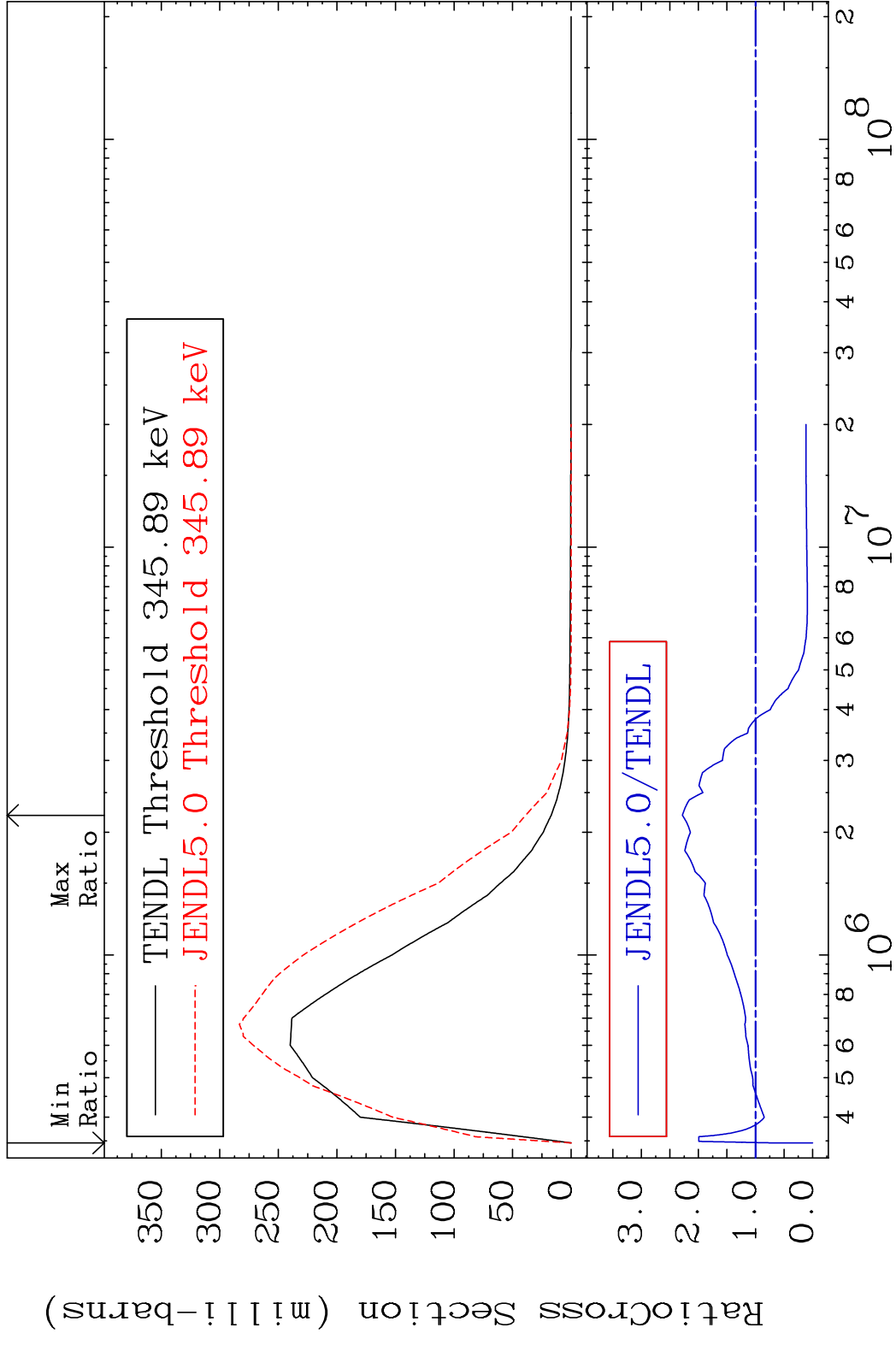
MAT 7322 MT= 54 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 143.1 %



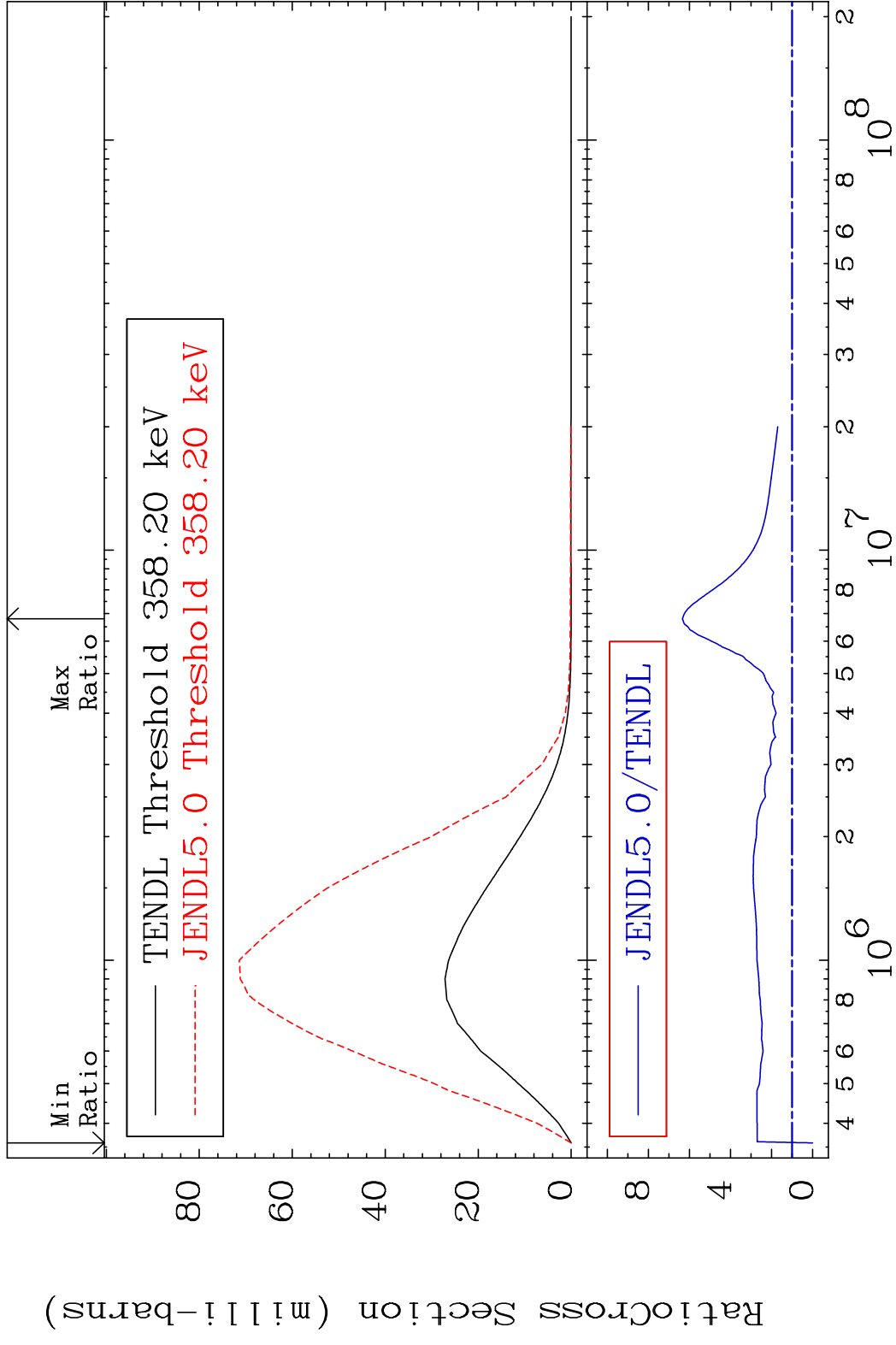
MAT 7322 MT= 55 (n,n') Level 73-Ta-179  
 Cross Section -49.18 To 6224. %



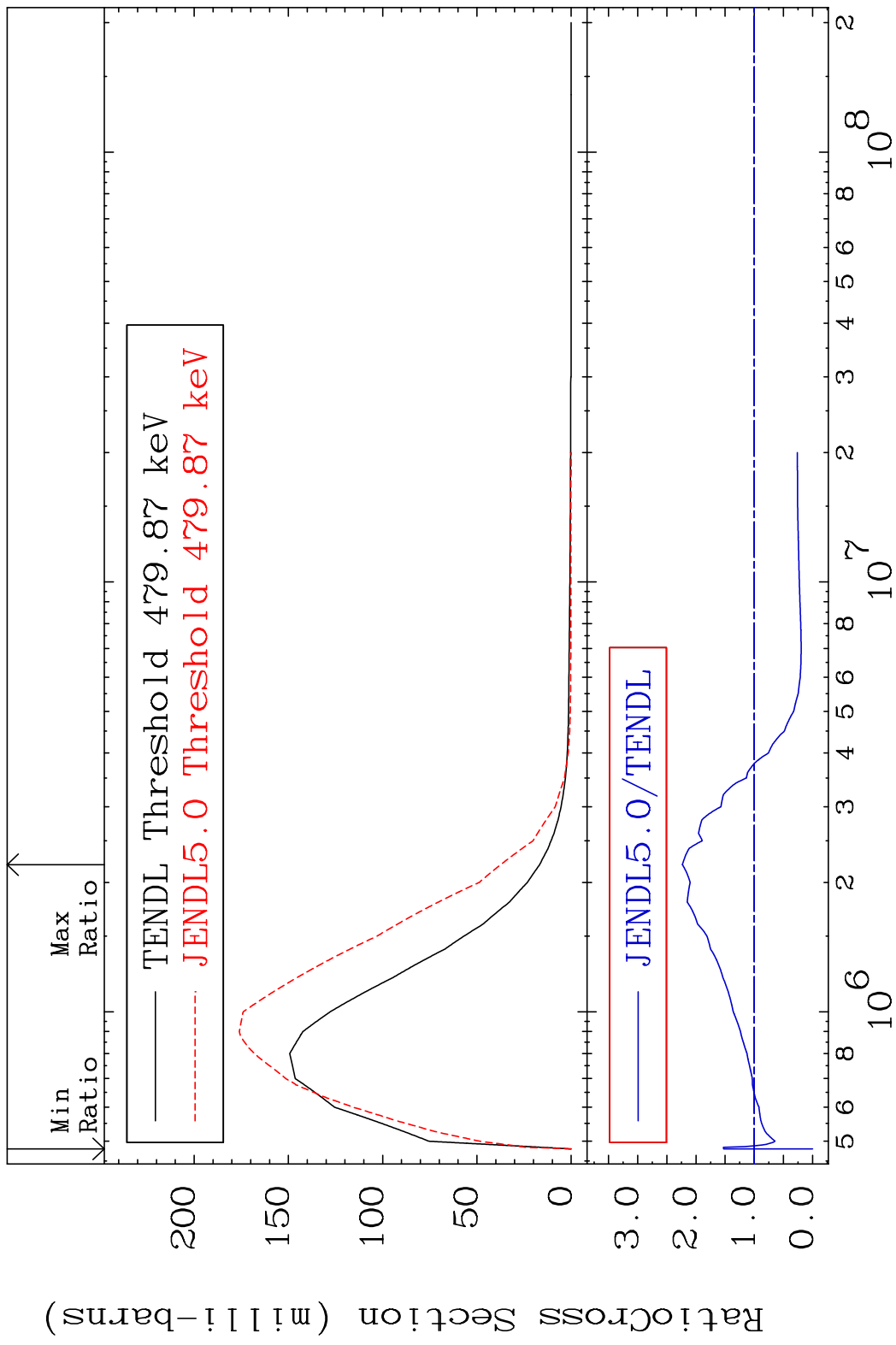
MAT 7322 MT= 56 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 128.1 %



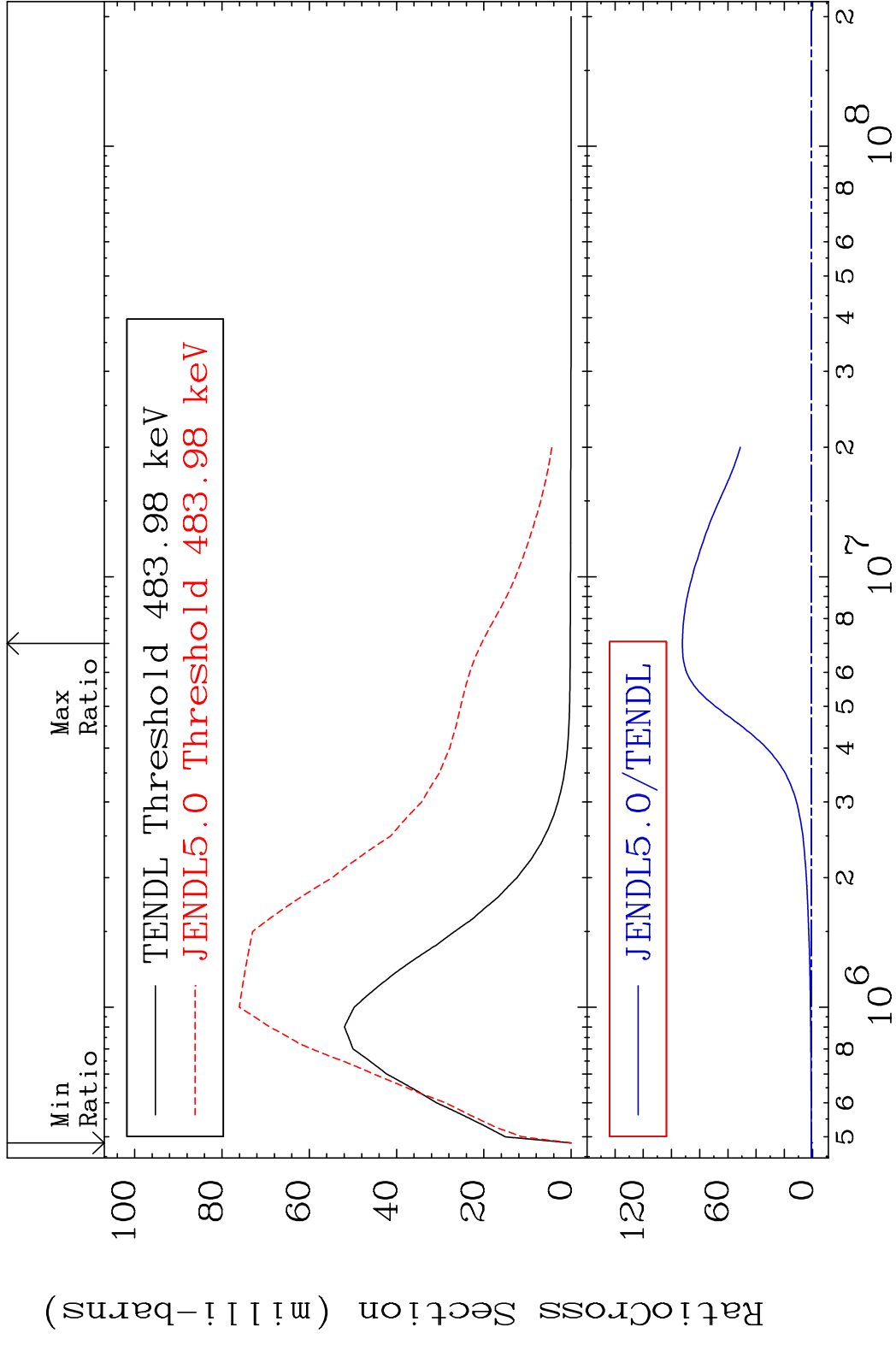
MAT 7322 MT= 57 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 534.5 %



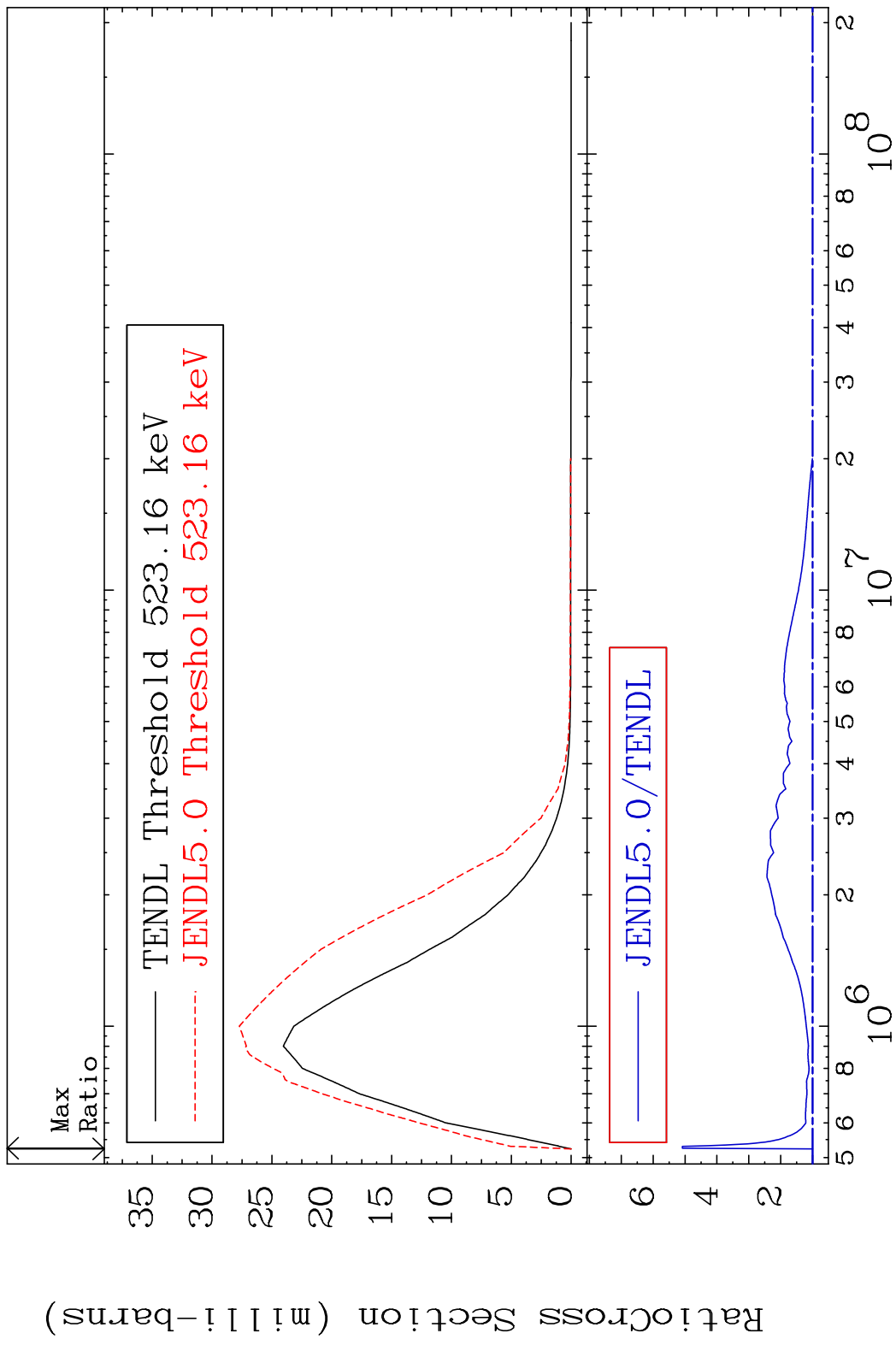
MAT 7322 MT= 58 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 123.4 %



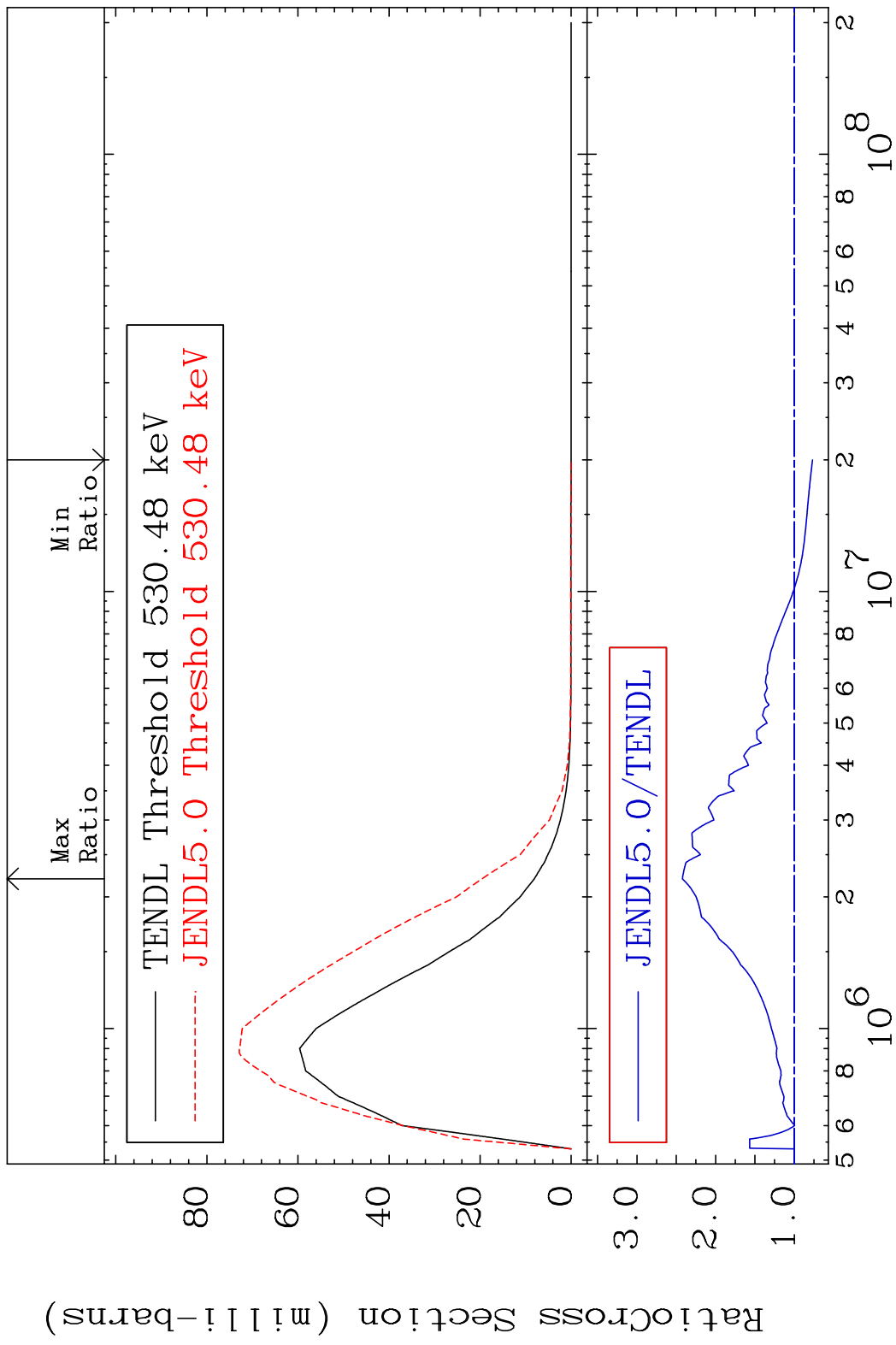
MAT 7322 MT= 59 (n, n') Level 73-Ta-179  
 Cross Section -100.0 To 9129. %



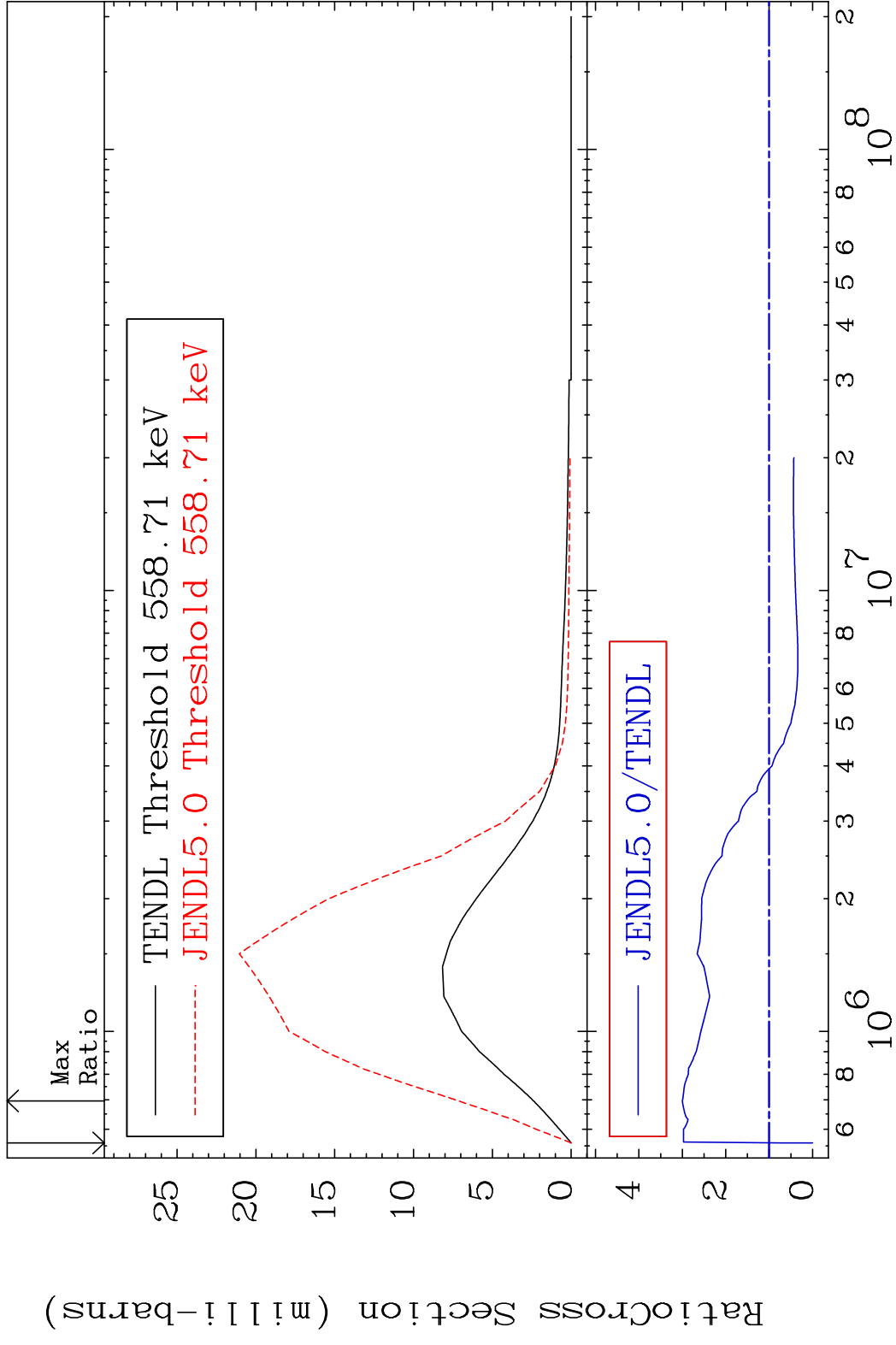
MAT 7322 MT= 60 (n,n') Level 73-Ta-179  
 Cross Section 0.000 To 408.4 %



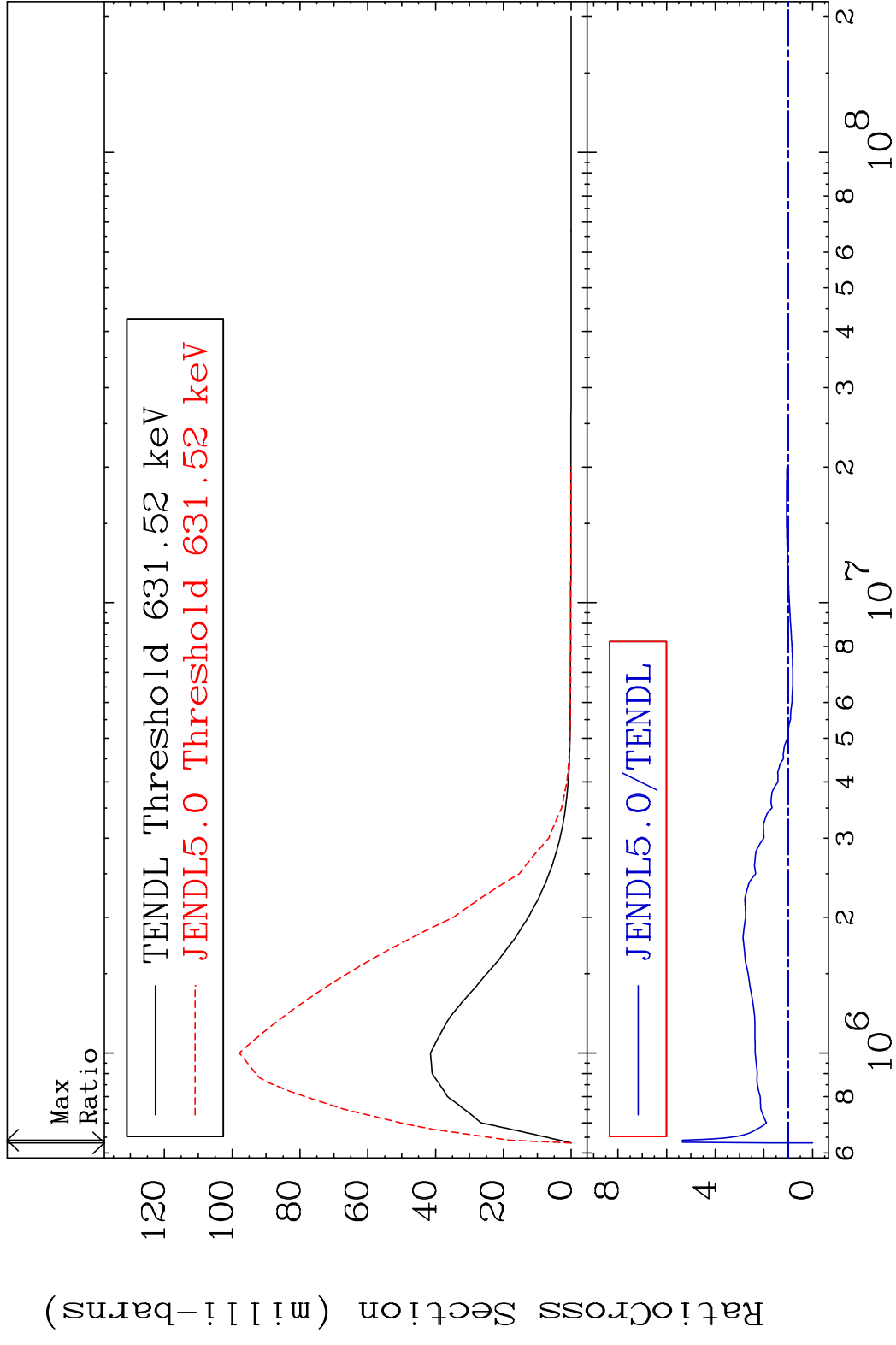
MAT 7322 MT= 61 (n, n') Level 73-Ta-179  
 Cross Section -23.24 To 142.2 %



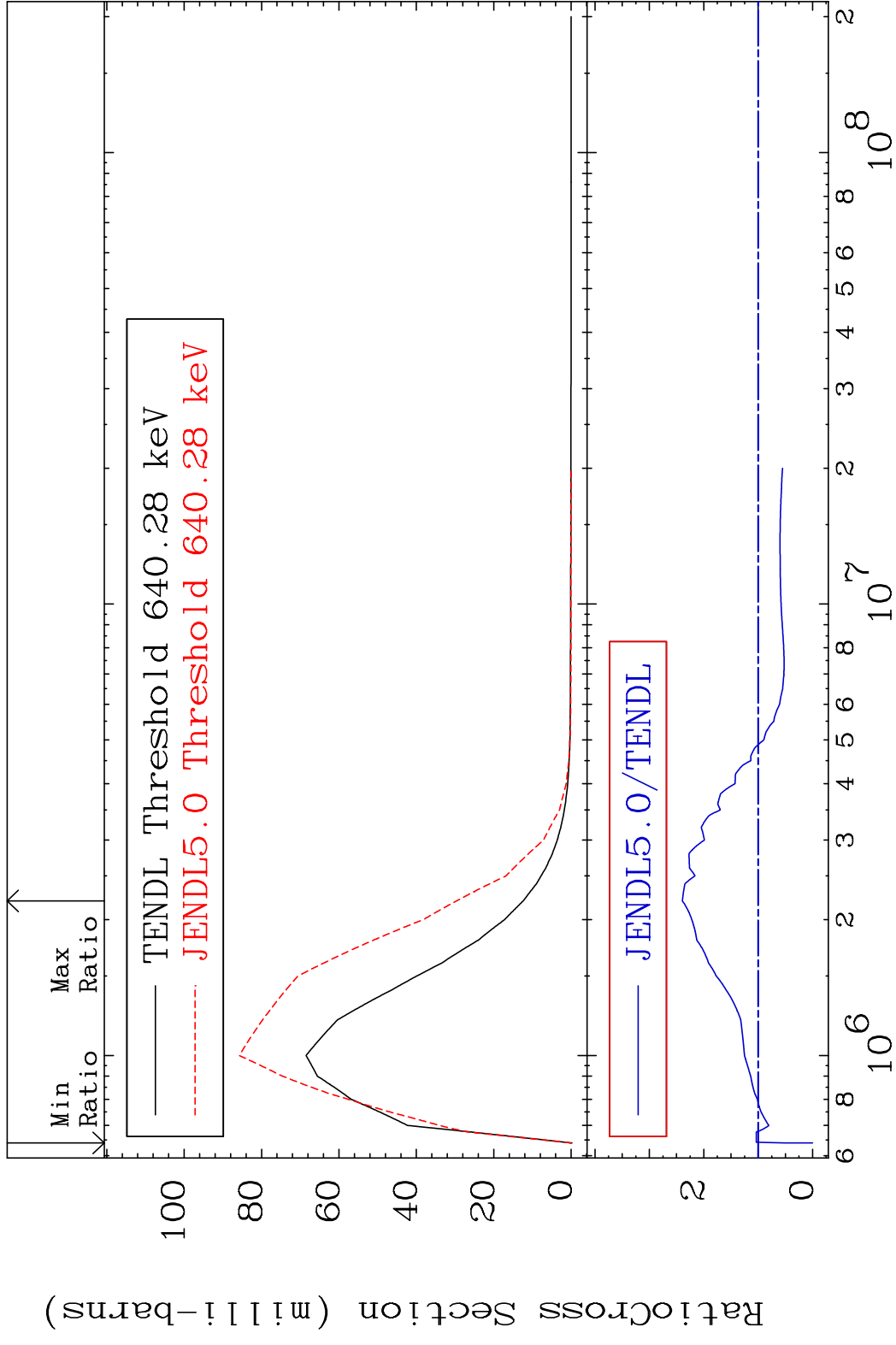
MAT 7322 MT= 62 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 200.0 %



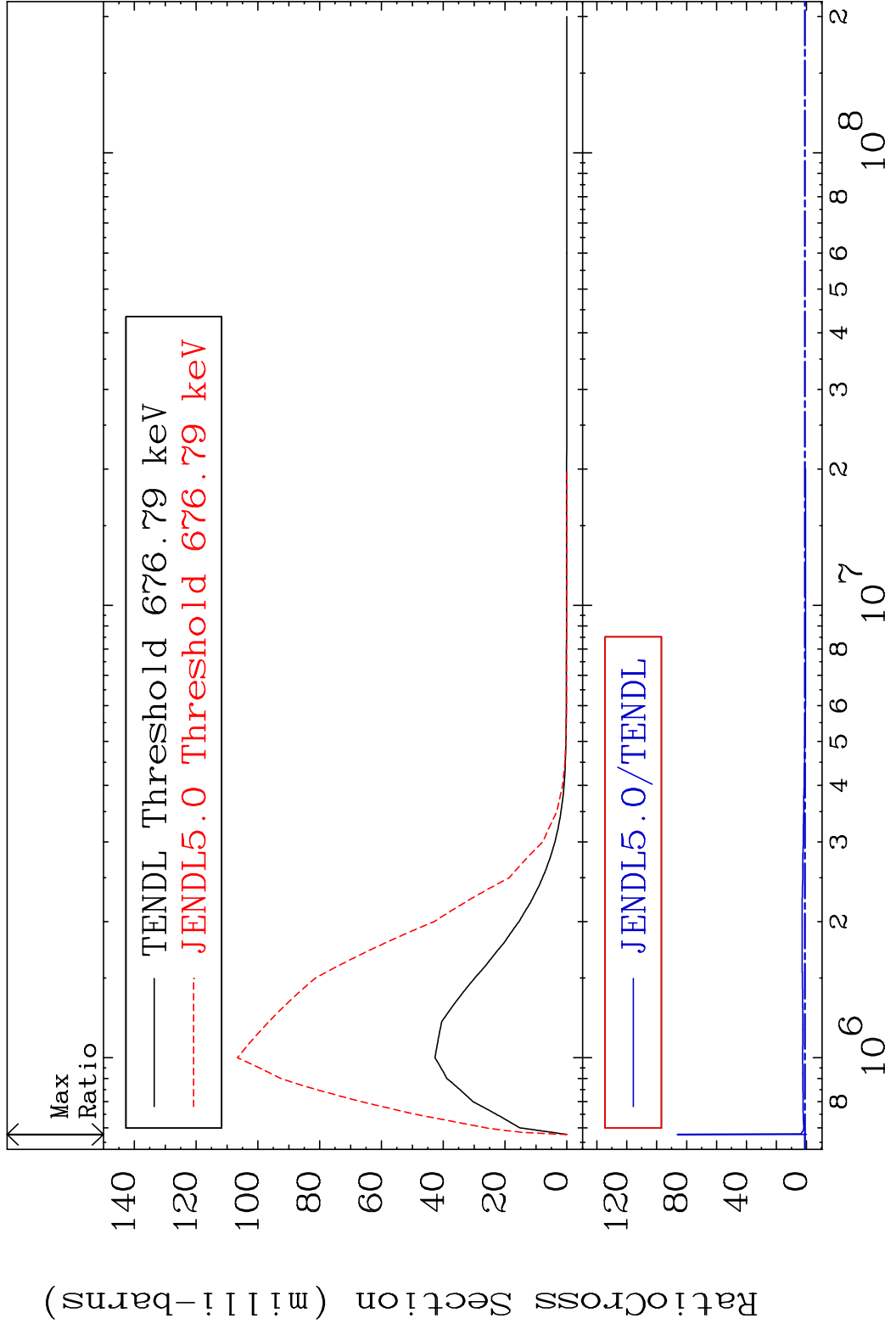
MAT 7322 MT= 63 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 435.1 %



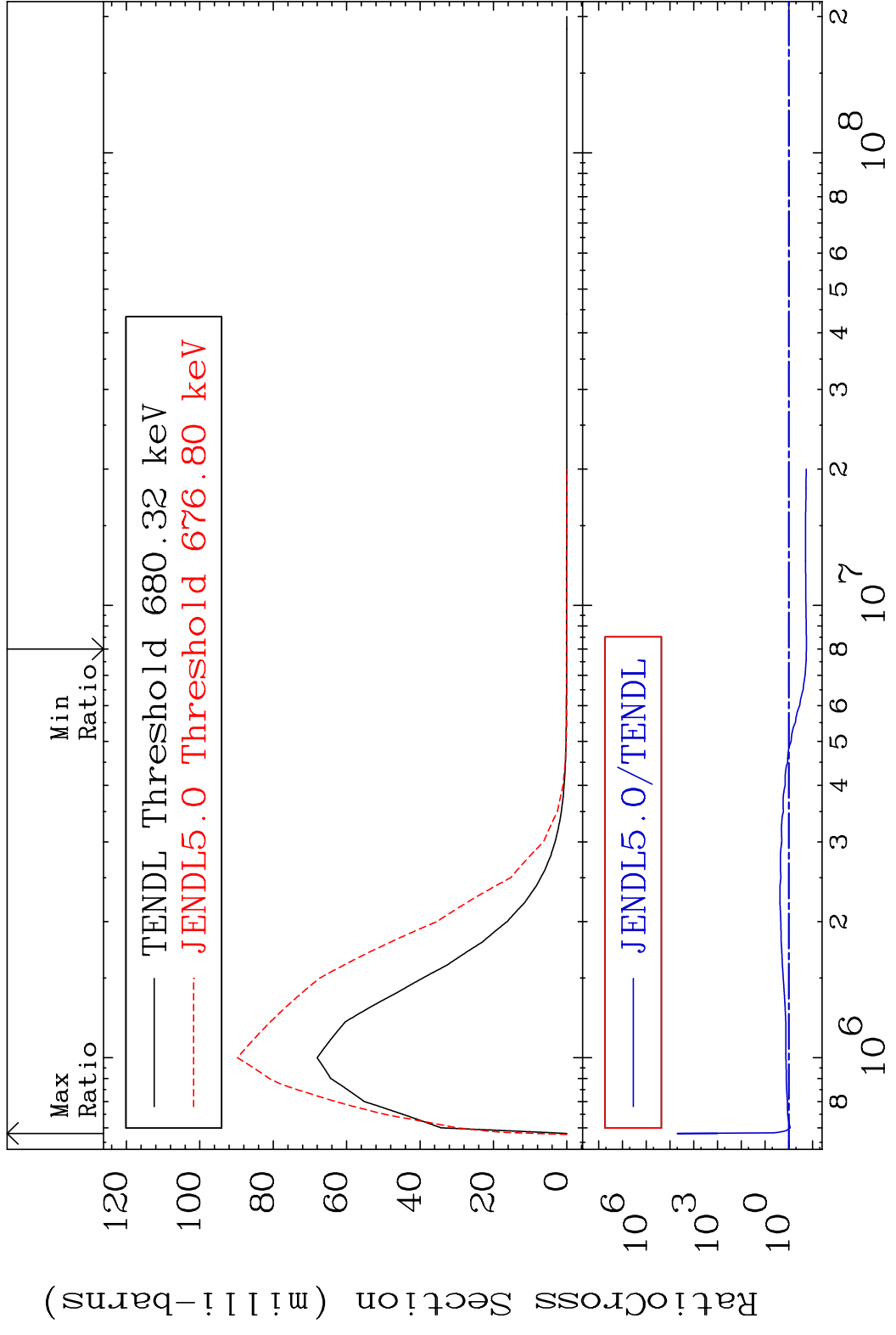
MAT 7322 MT= 64 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 139.4 %



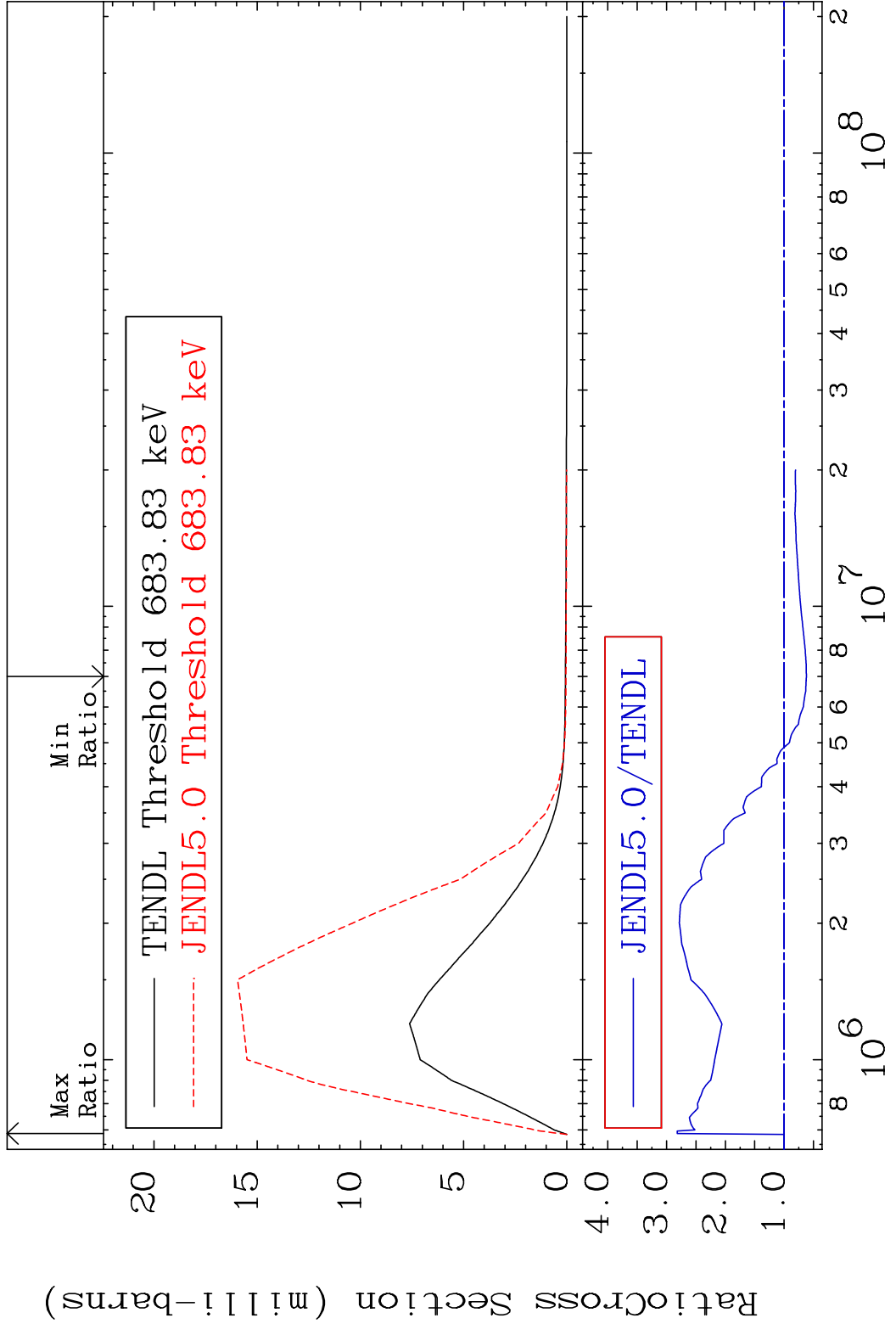
MAT 7322 MT= 65 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 8532. %



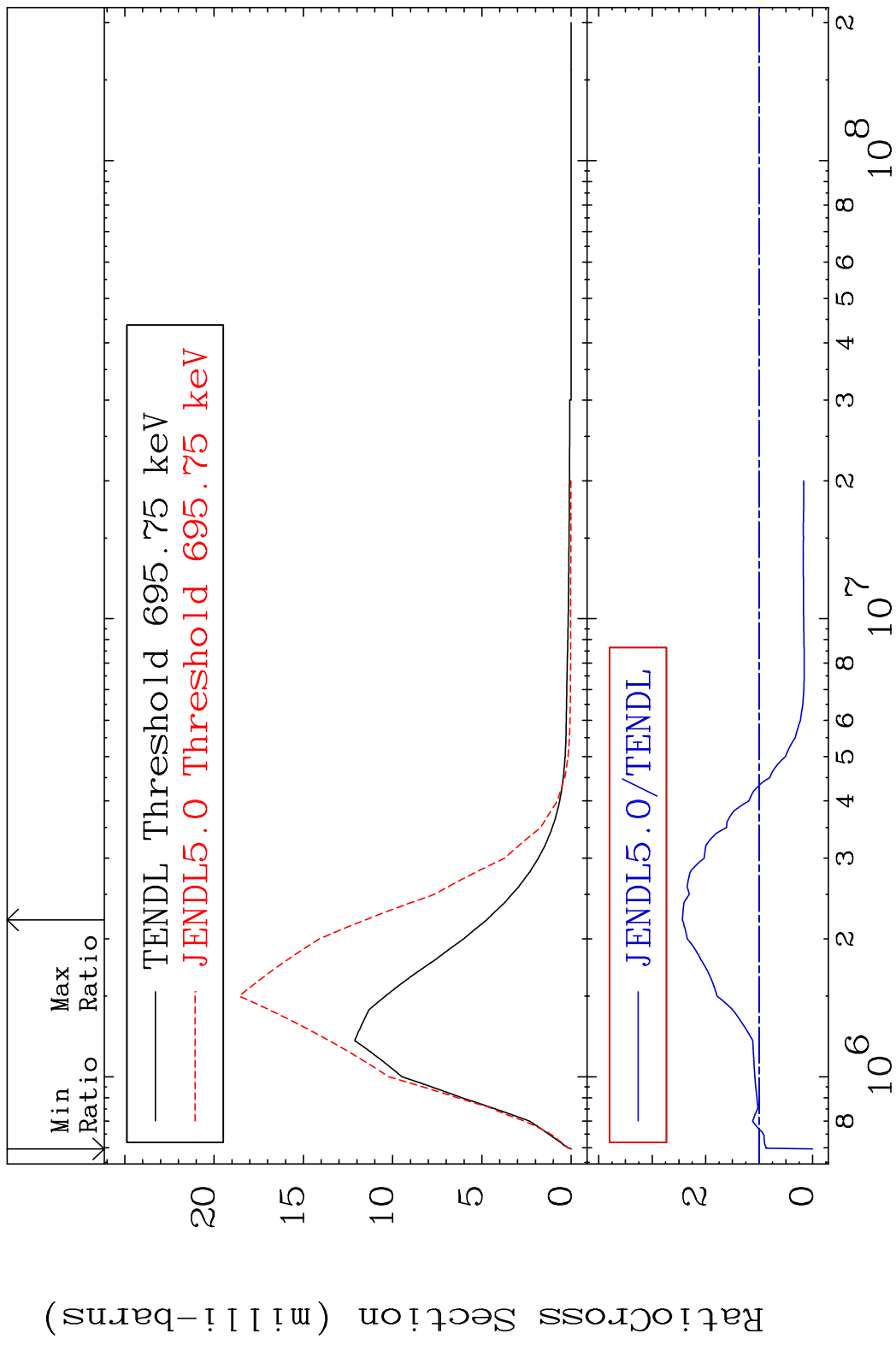
MAT 7322 MT= 66 (n,n') Level 73-Ta-179  
 Cross Section -81.86 To 9999. %



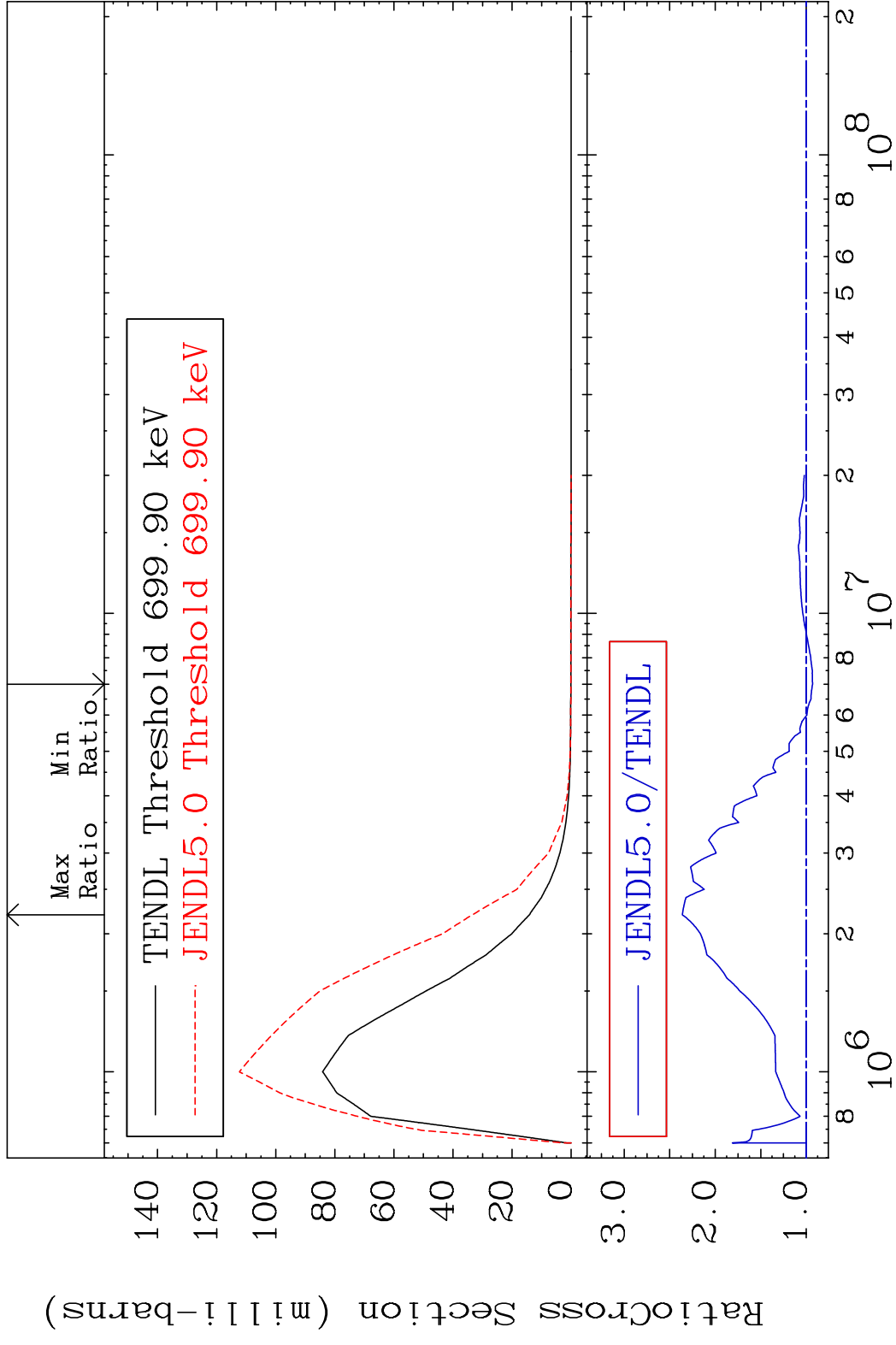
MAT 7322 MT= 67 (n, n') Level 73-Ta-179  
 Cross Section -37.86 To 181.9 %



MAT 7322 MT= 68 (n,n') Level 73-Ta-179  
 Cross Section -100.0 To 143.6 %



MAT 7322 MT= 69 (n, n') Level 73-Ta-179  
 Cross Section -6.920 To 136.1 %

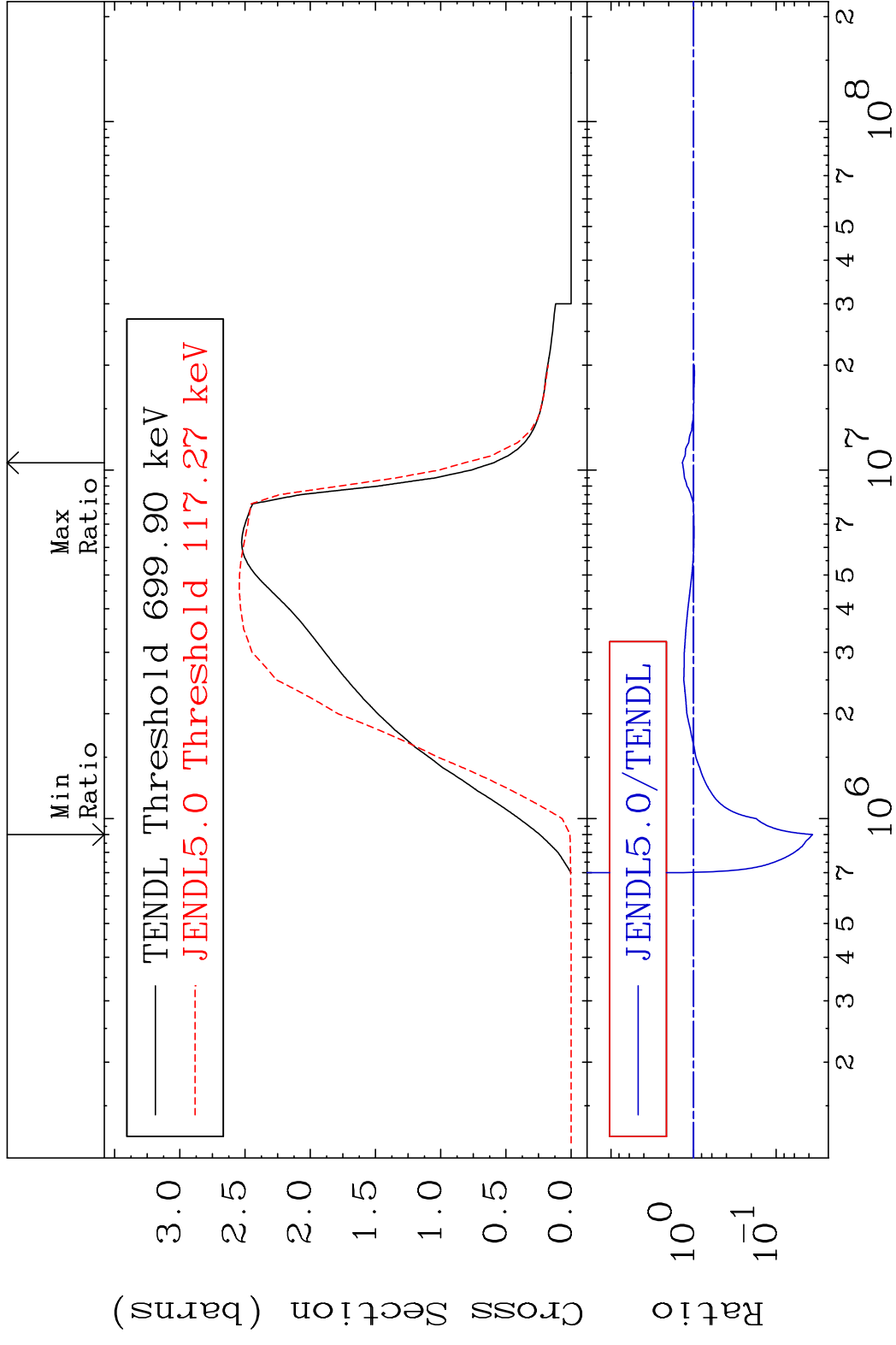


MAT 7322

(n, n') Continuum

73-Ta-179

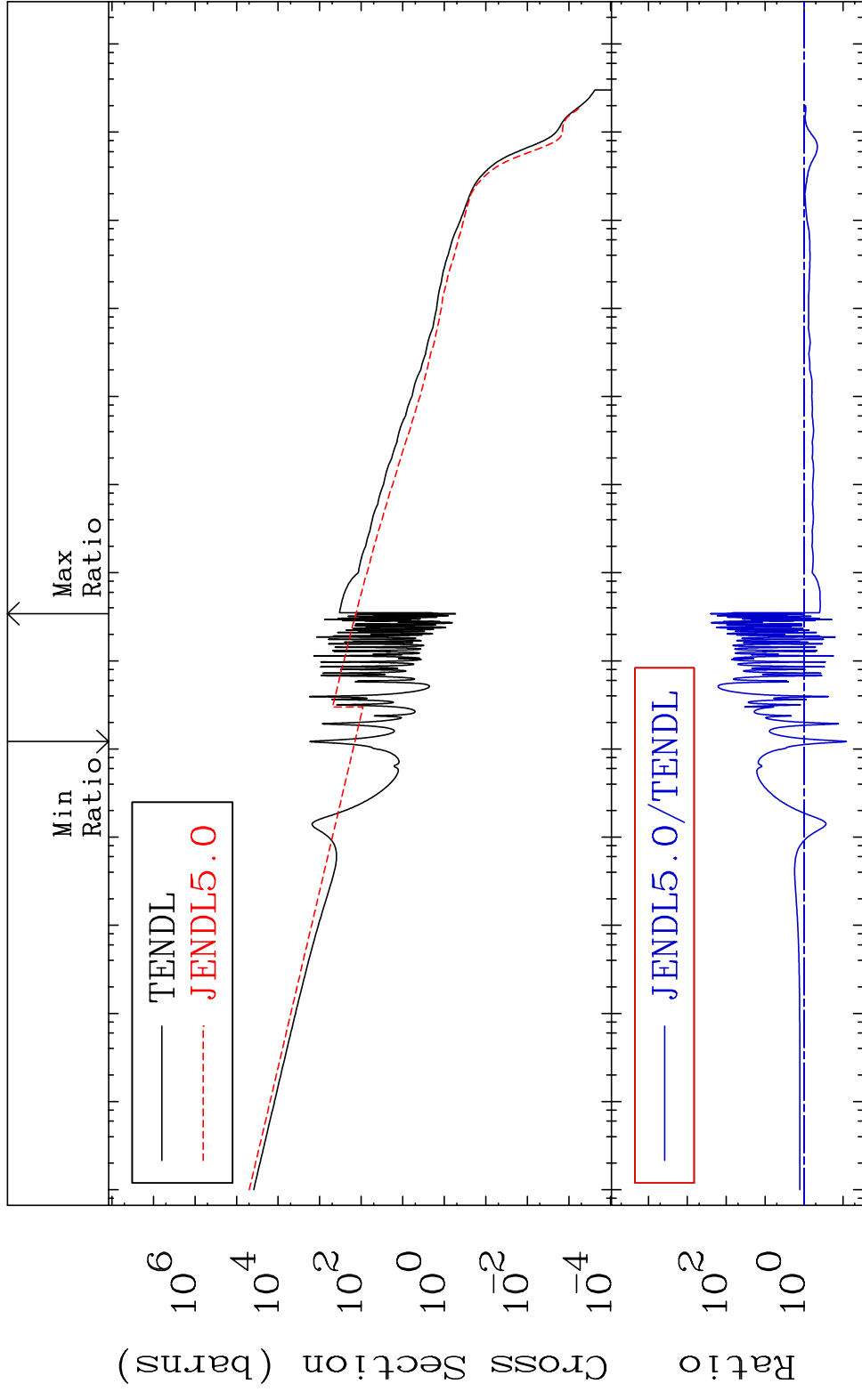
Cross Section -96.38 To 36.75 %



MAT 7322

(n,  $\gamma$ )  
Cross Section -91.79 To 9999. %

73-Ta-179

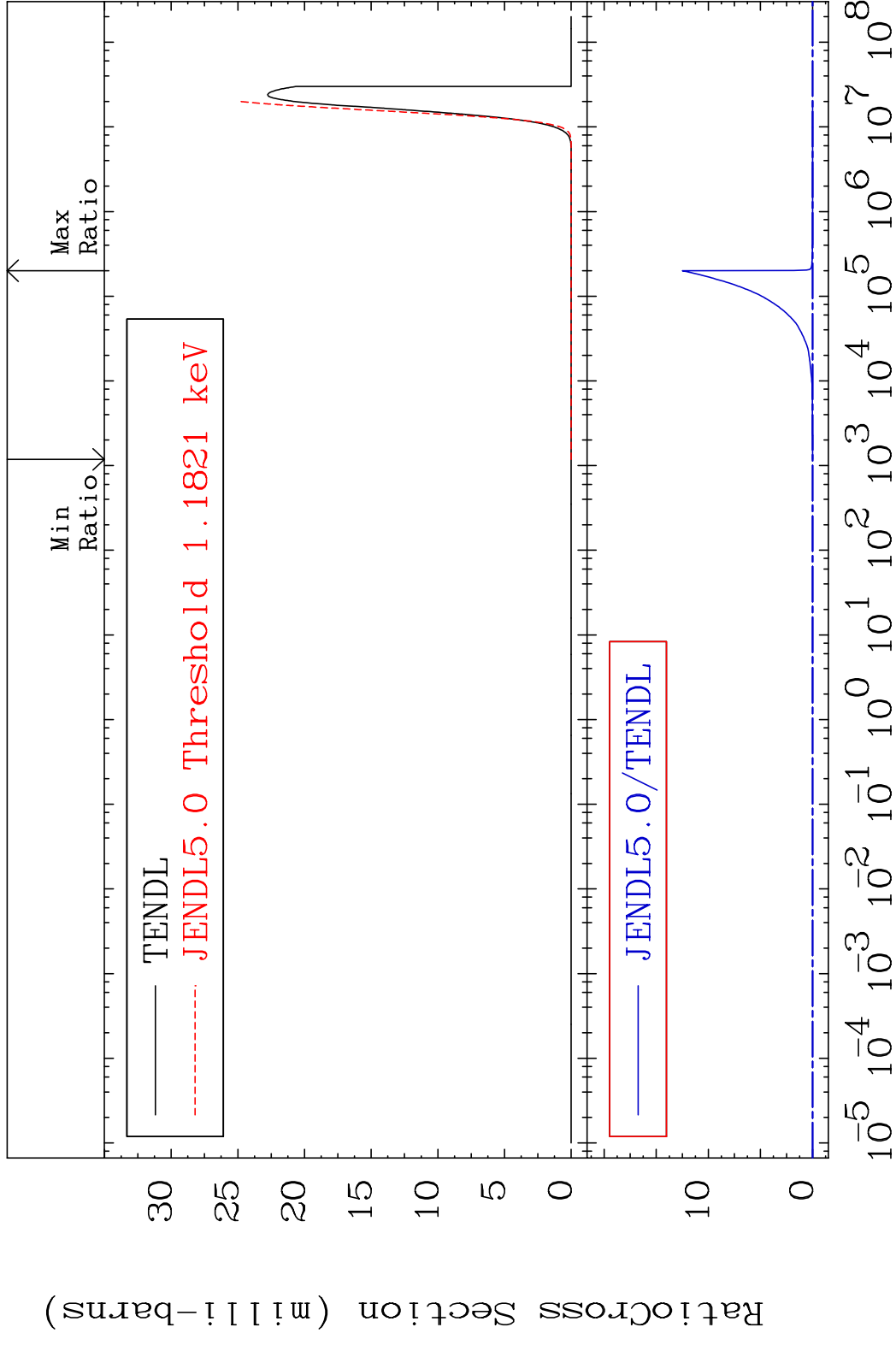


MAT 7322

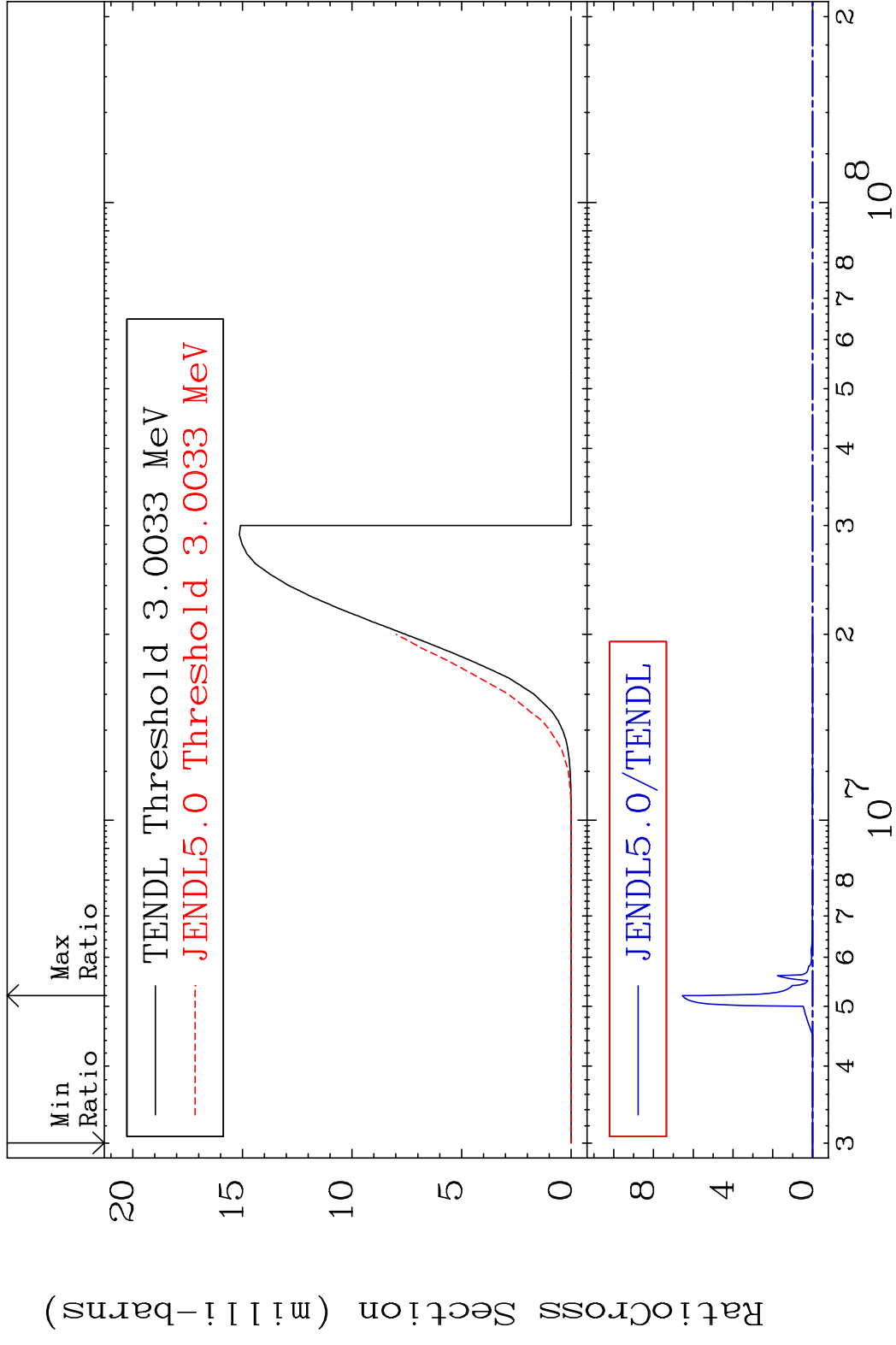
73-Ta-179

(n, p)

Cross Section -100.0 To 9999. %



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

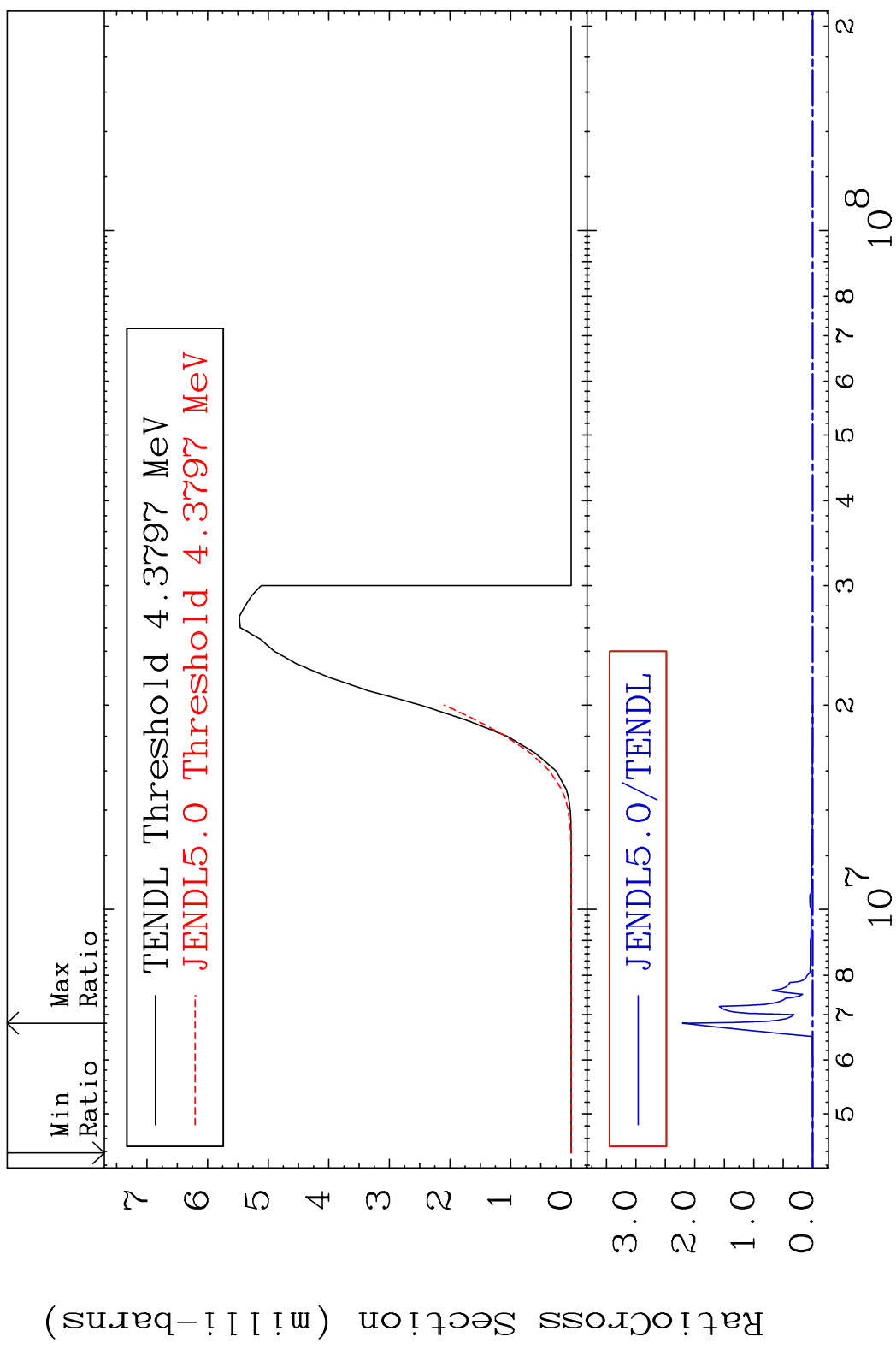


MAT 7322

(n, t)

73-Ta-179

Cross Section -100.0 To 9999. %

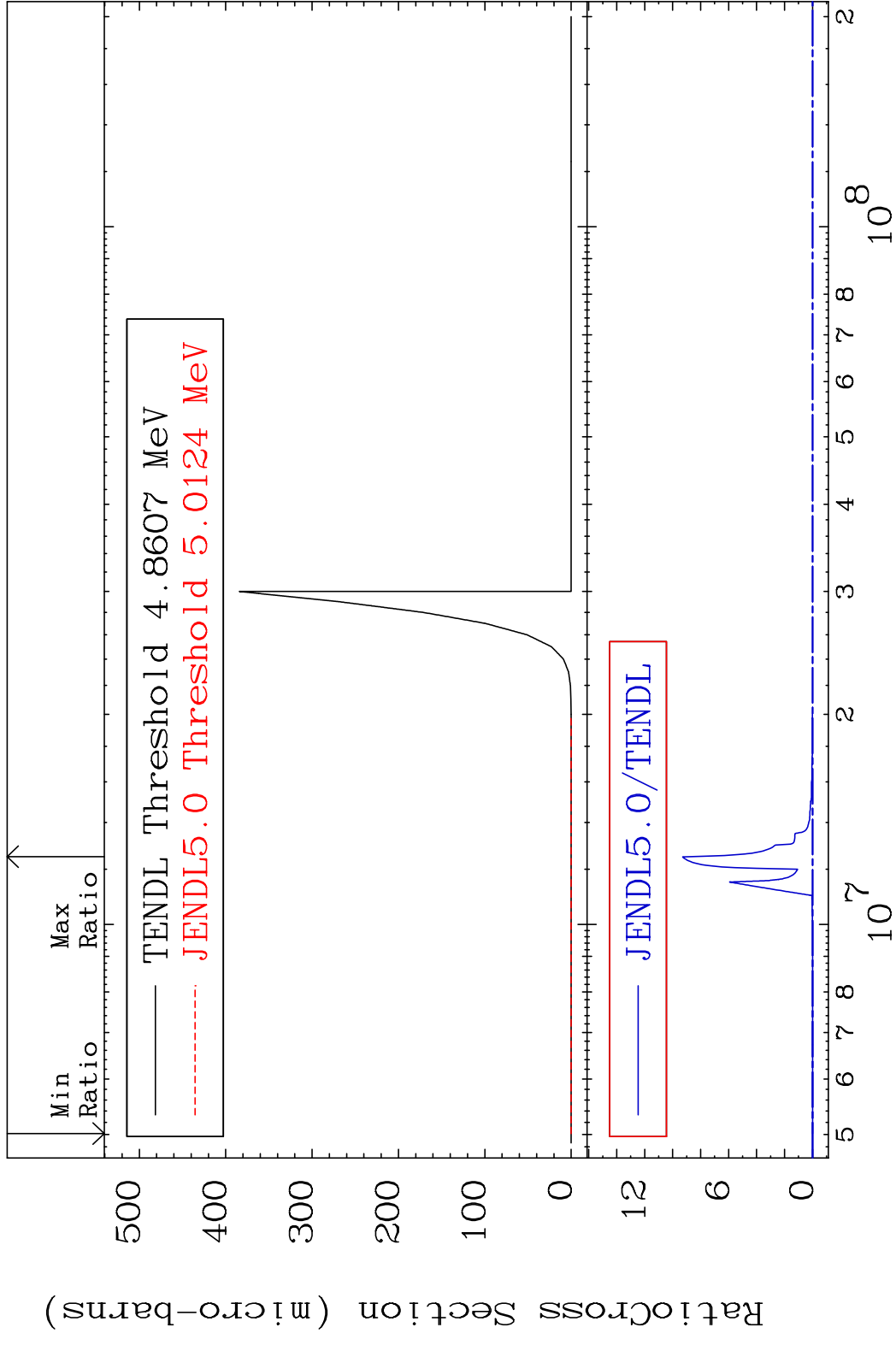


MAT 7322

(n, He-3)

73-Ta-179

Cross Section -100.0 To 9999. %

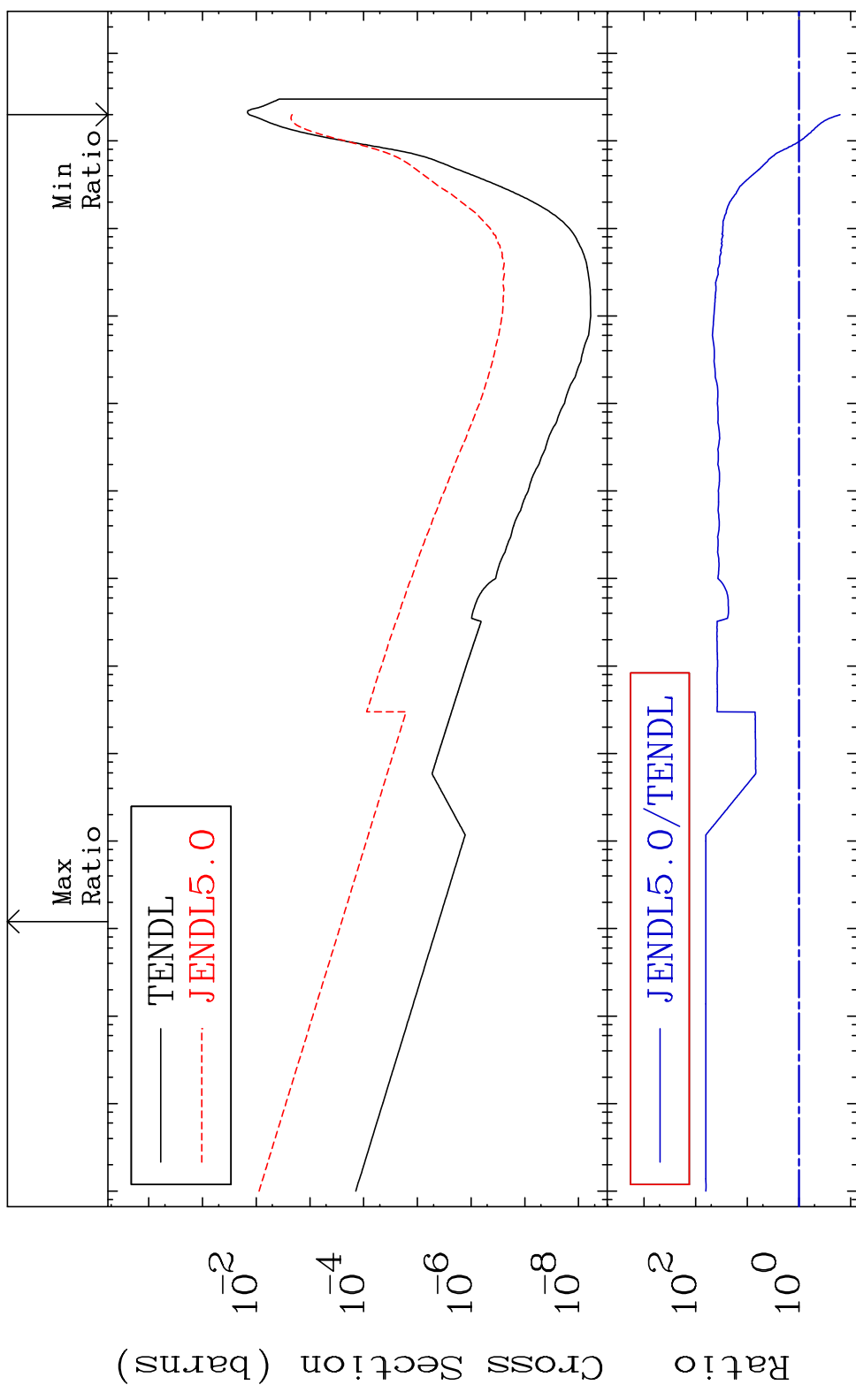


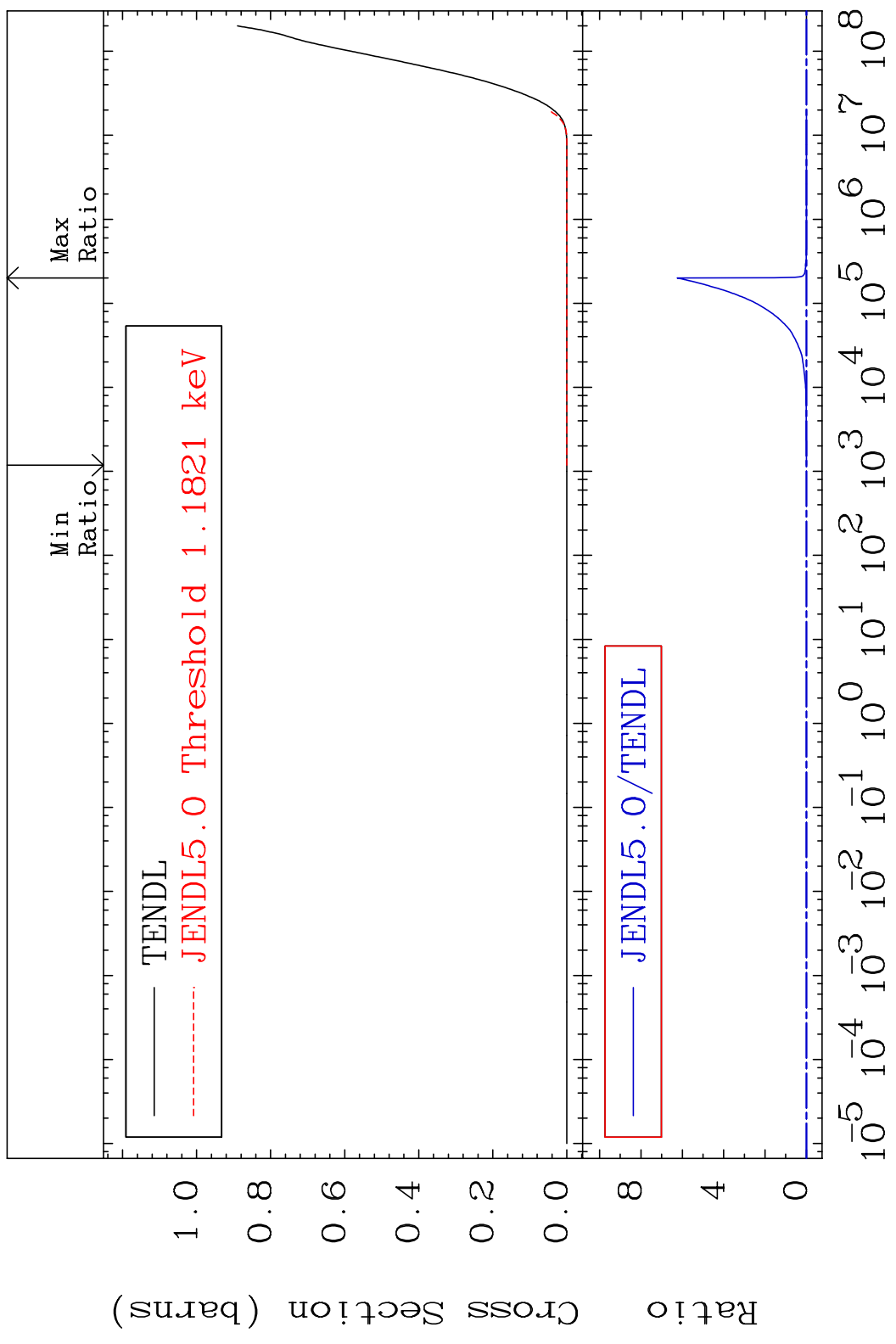
MAT 7322

(n,  $\alpha$ )

73-Ta-179

Cross Section -84.28 To 6266. %

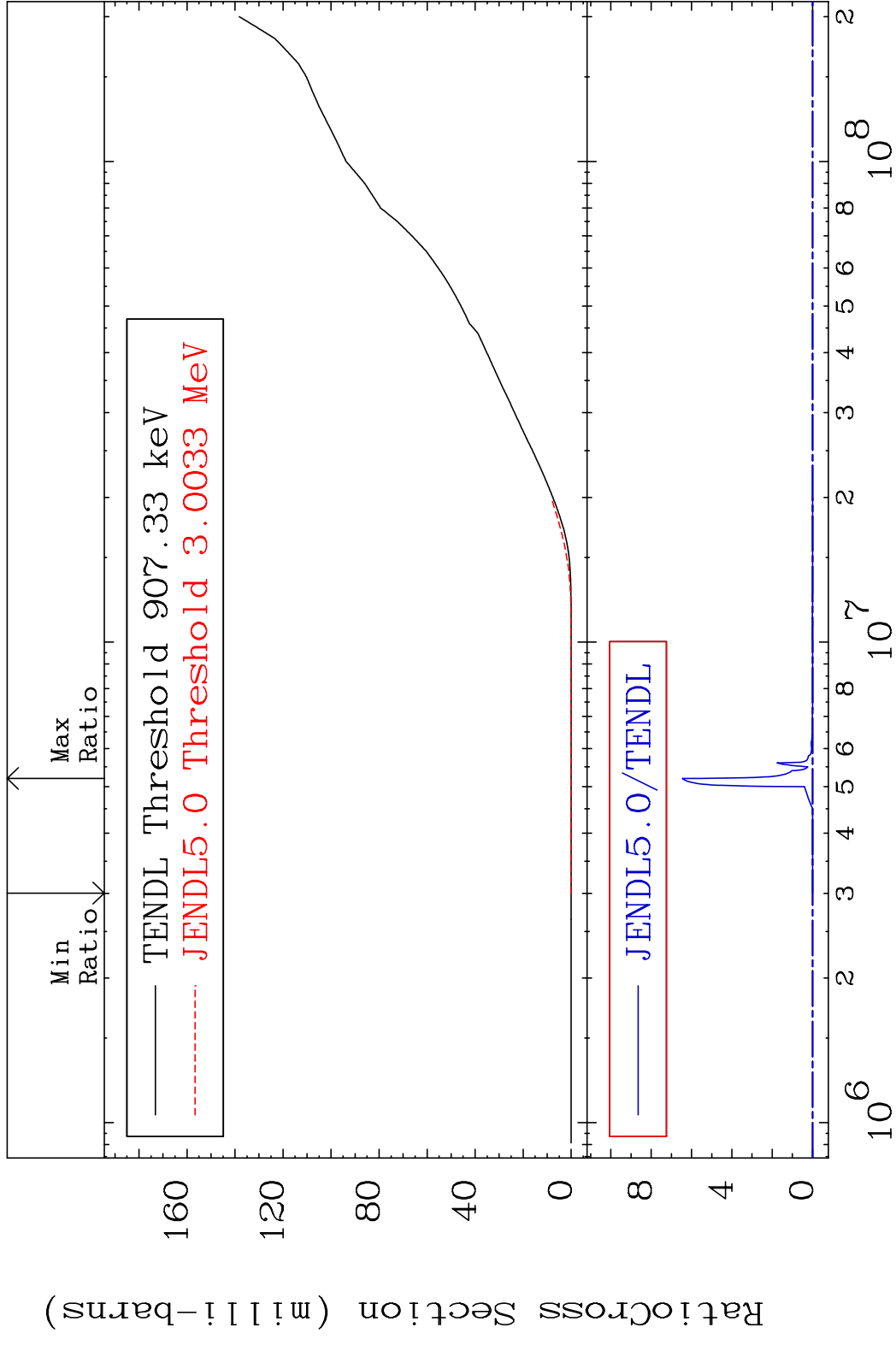




MAT 7322

Deuterium Production 73-Ta-179

Cross Section -100.0 To 9999. %



37

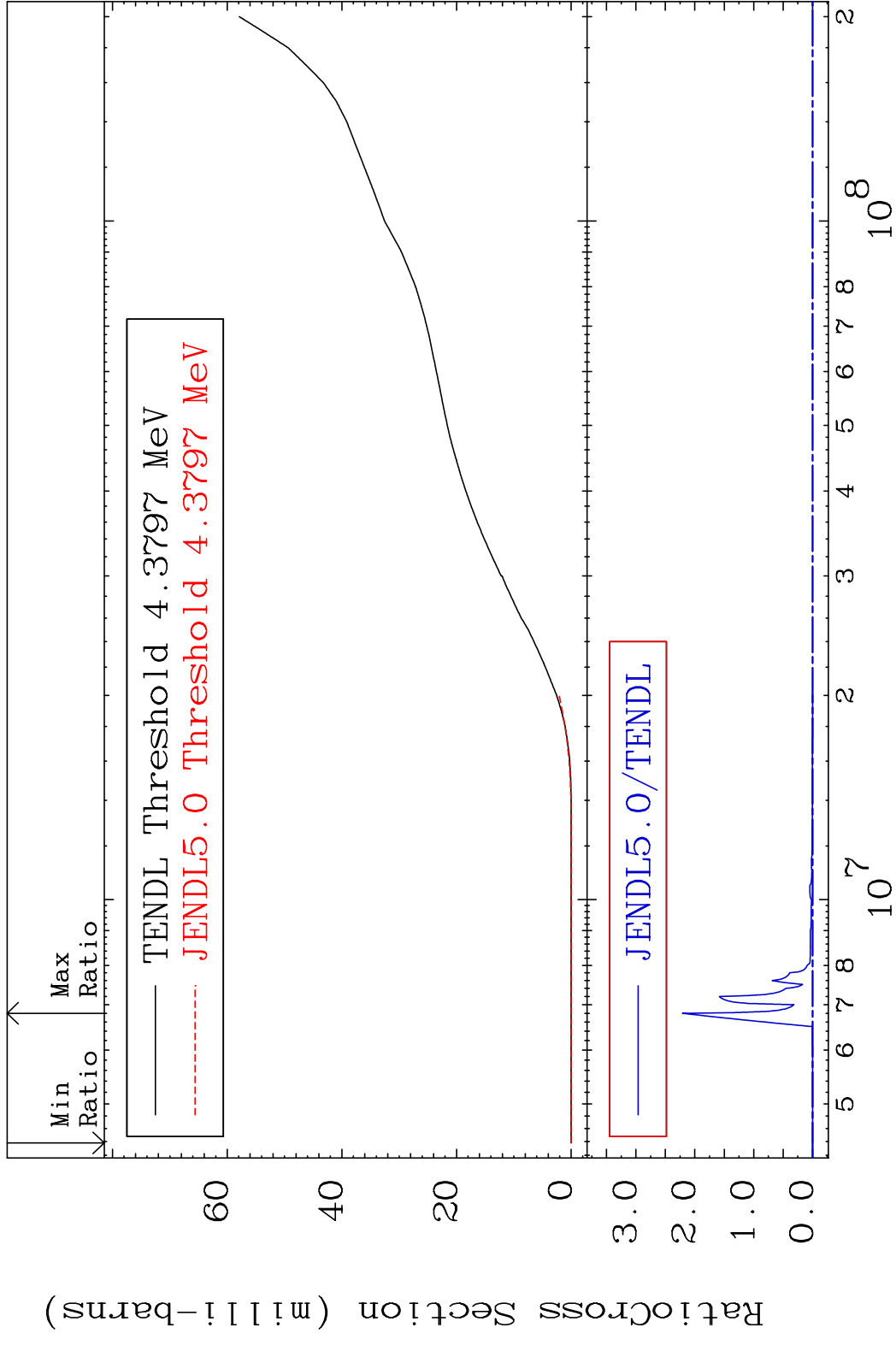
Incident Energy (eV)

73-Ta-179

MAT 7322

Tritium Production 73-Ta-179

Cross Section -100.0 To 9999. %

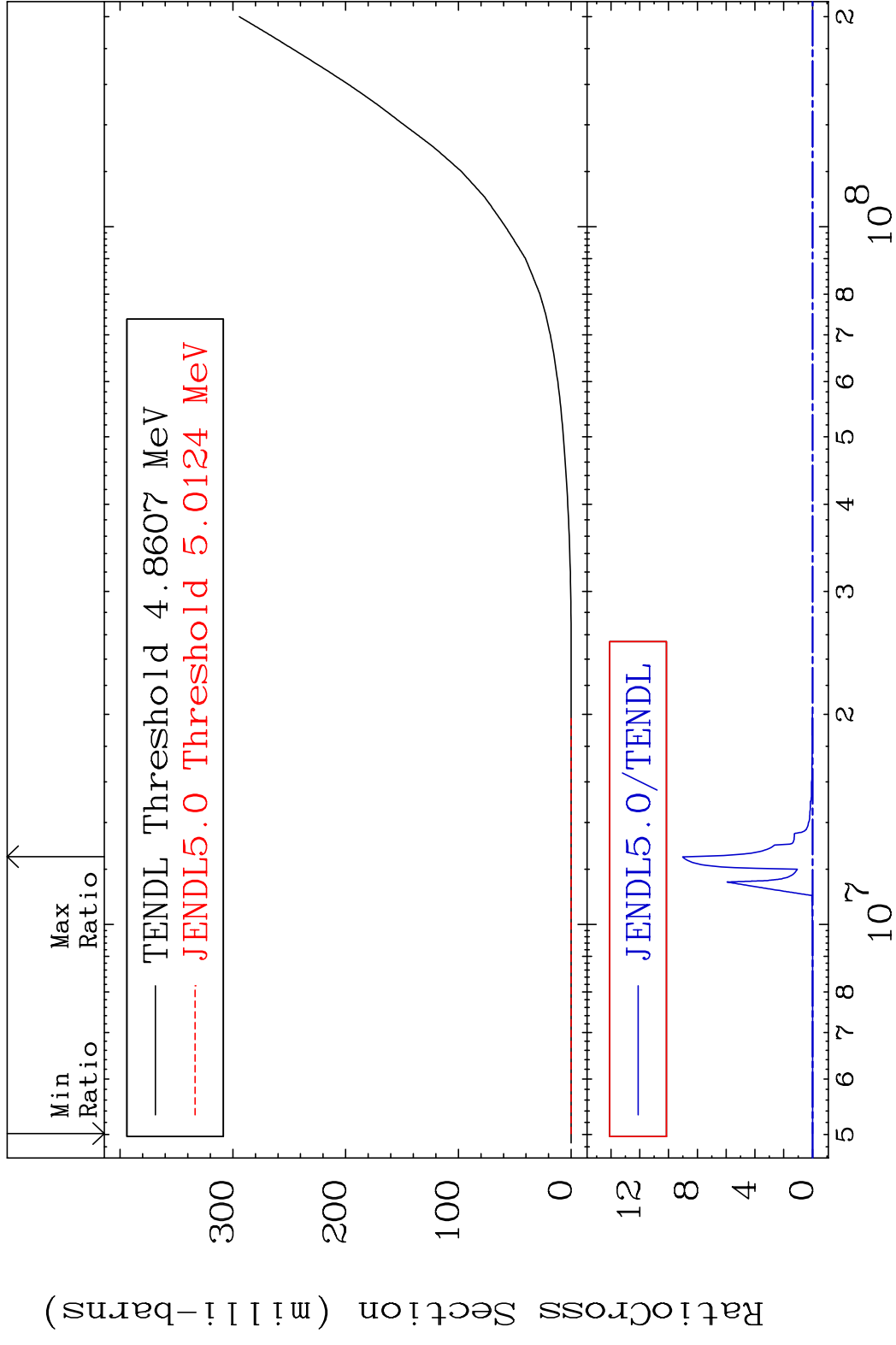


MAT 7322

He-3 Production

73-Ta-179

Cross Section -100.0 To 9999. %

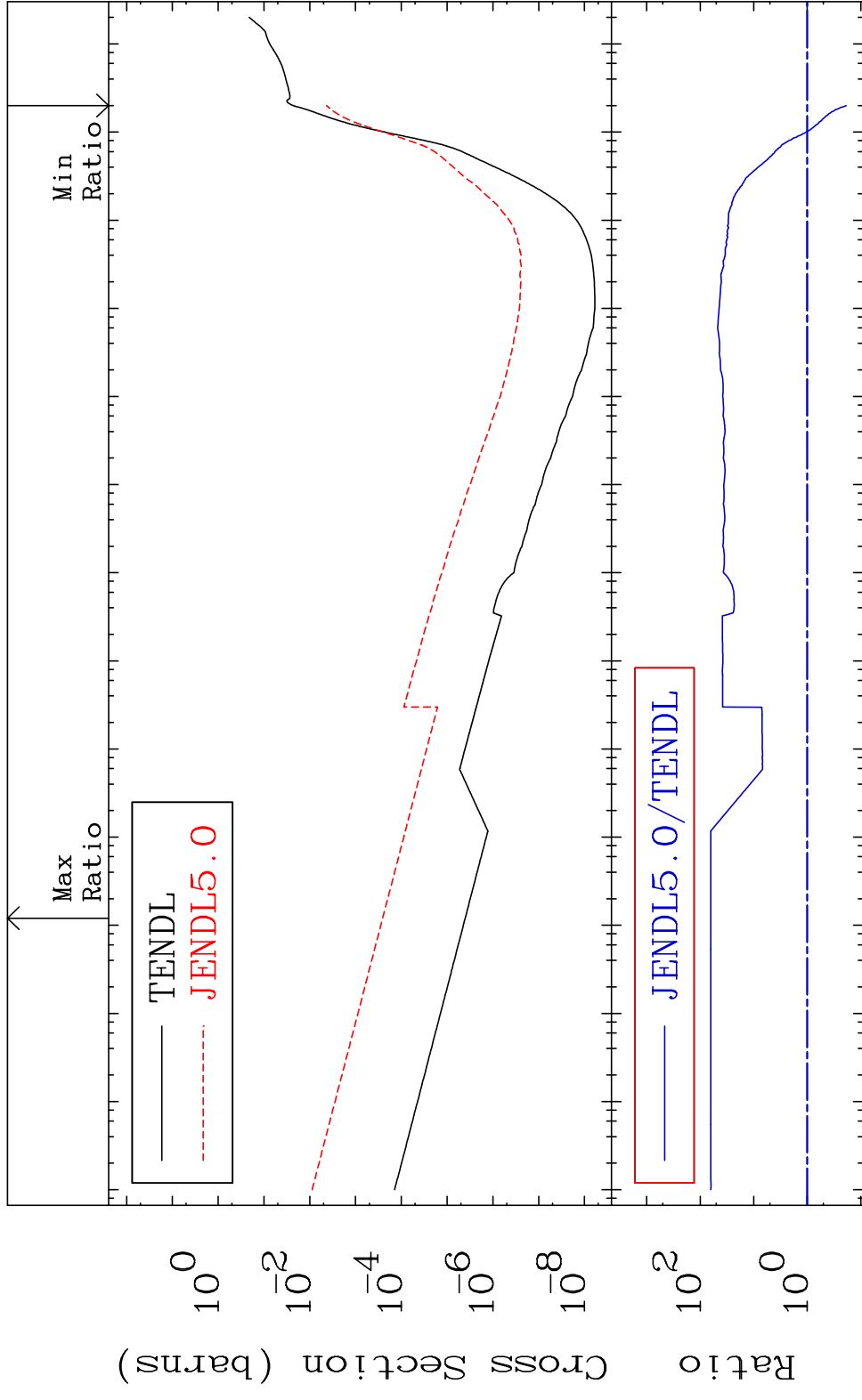


MAT 7322

He-4 Production

73-Ta-179

Cross Section -81.40 To 6266. %

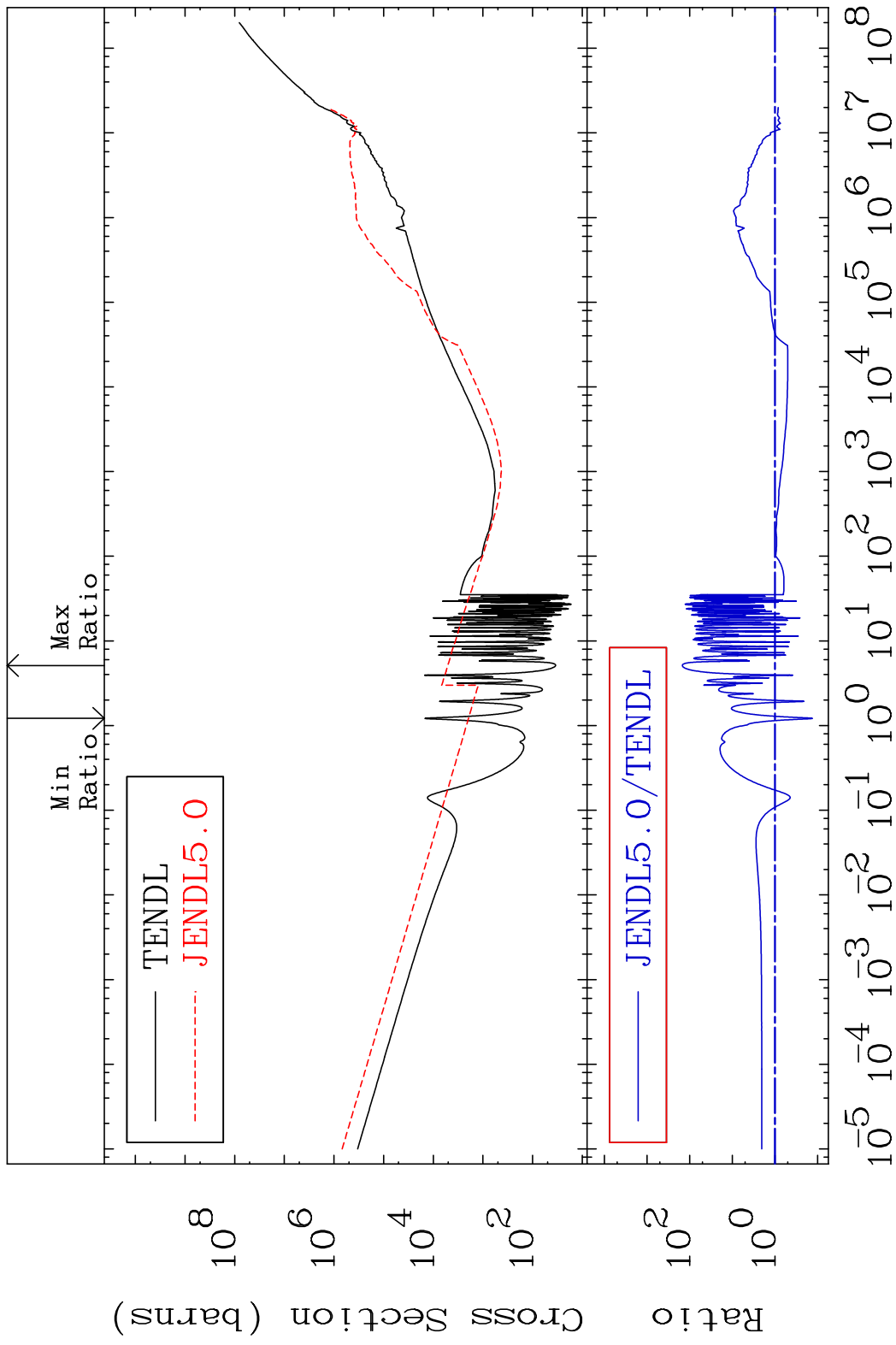


40

Incident Energy (eV)

73-Ta-179

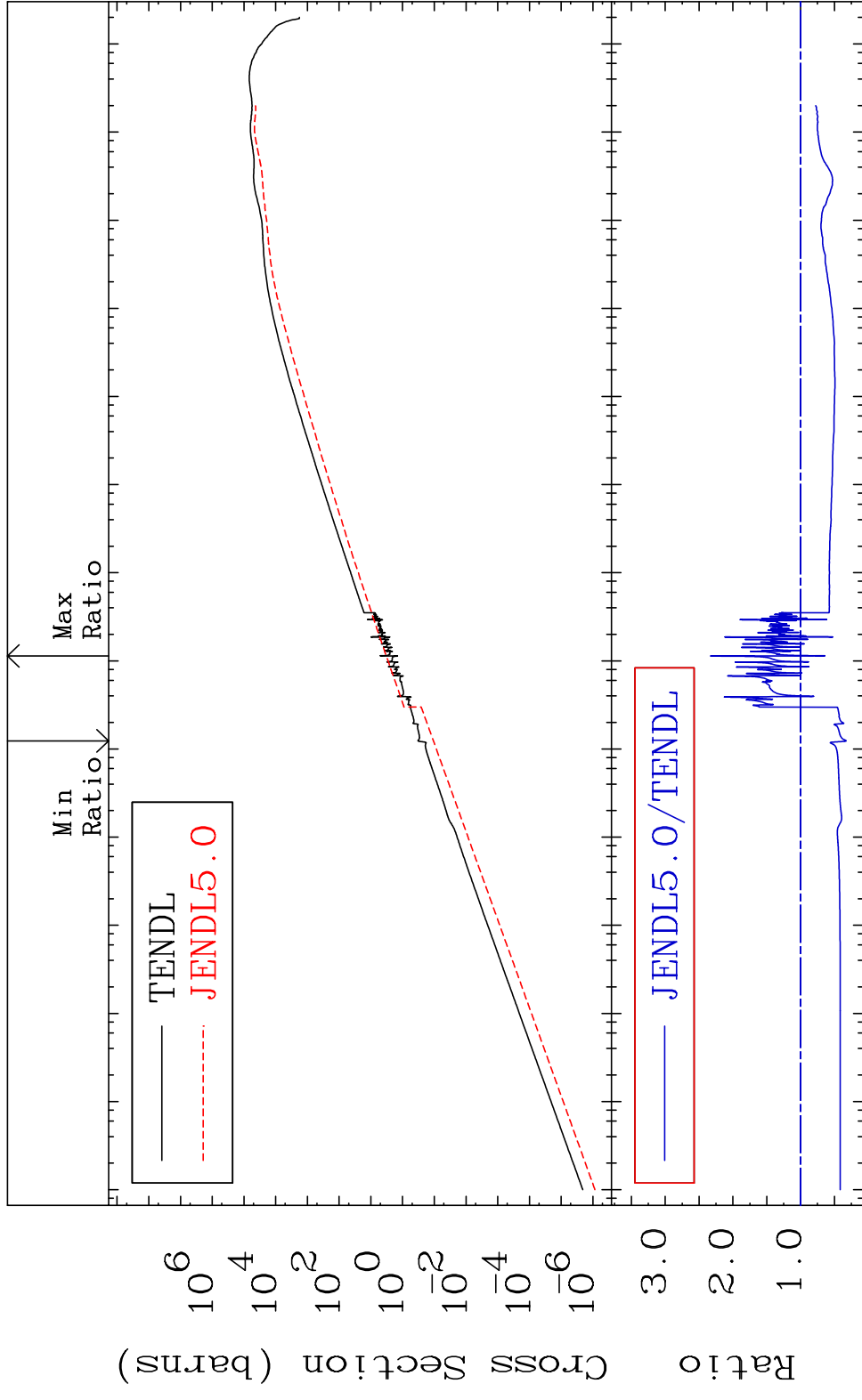
MAT 7322 Kerma total (eV-barns) 73-Ta-179  
 Cross Section -86.87 To 9999. %



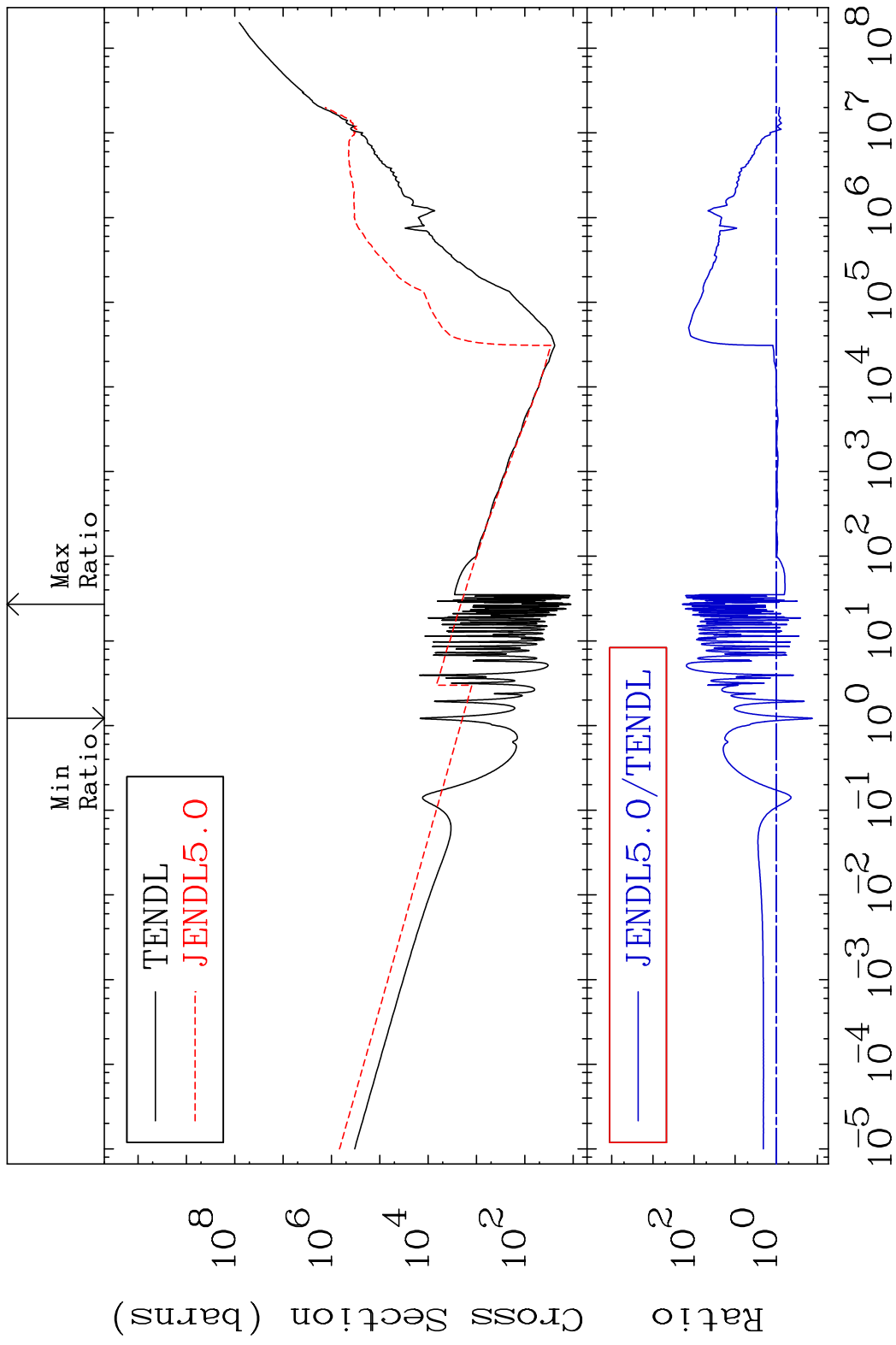
MAT 7322

Kerma elastic Cross Section -67.58 To 132.8 %

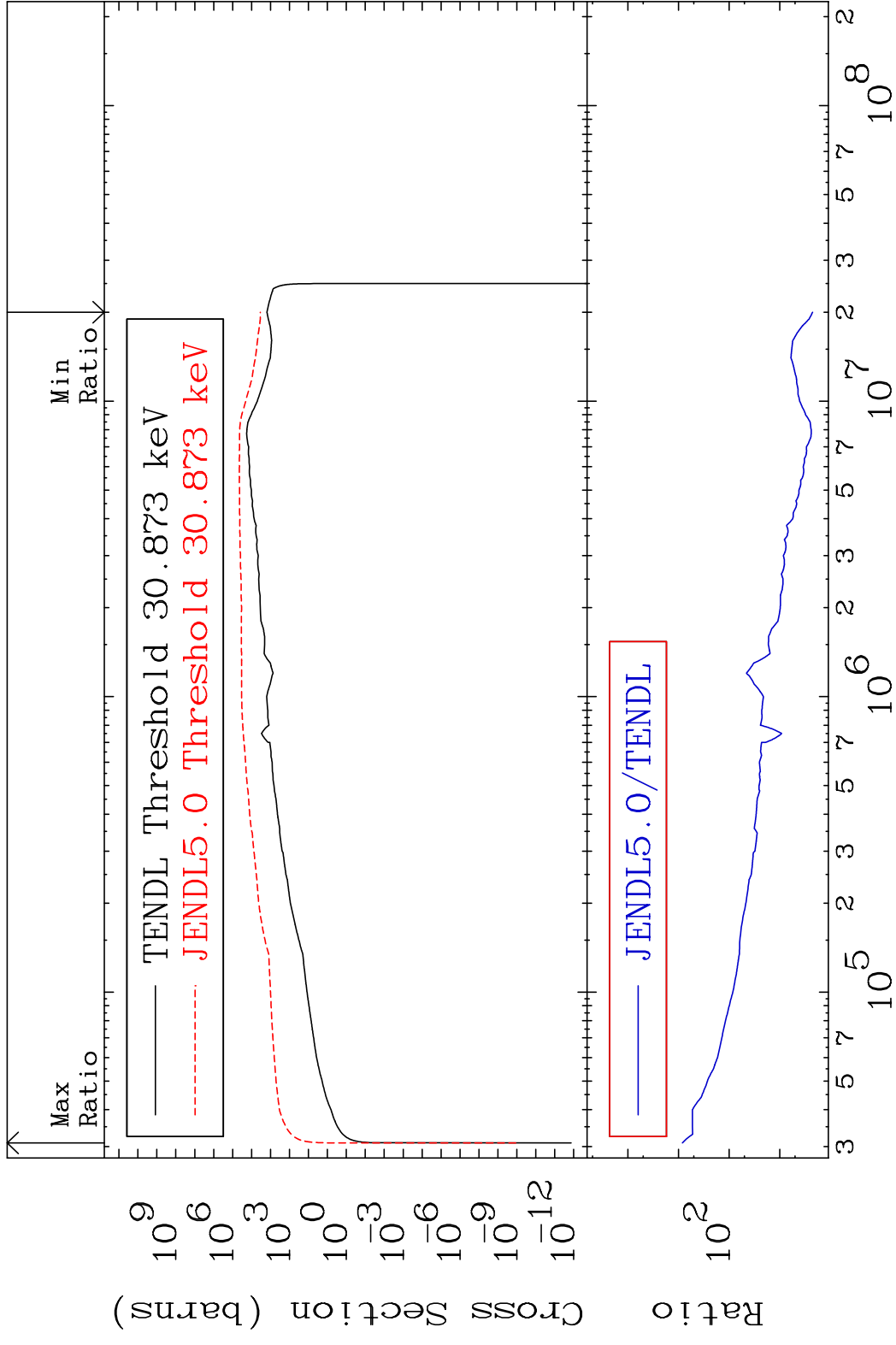
73-Ta-179



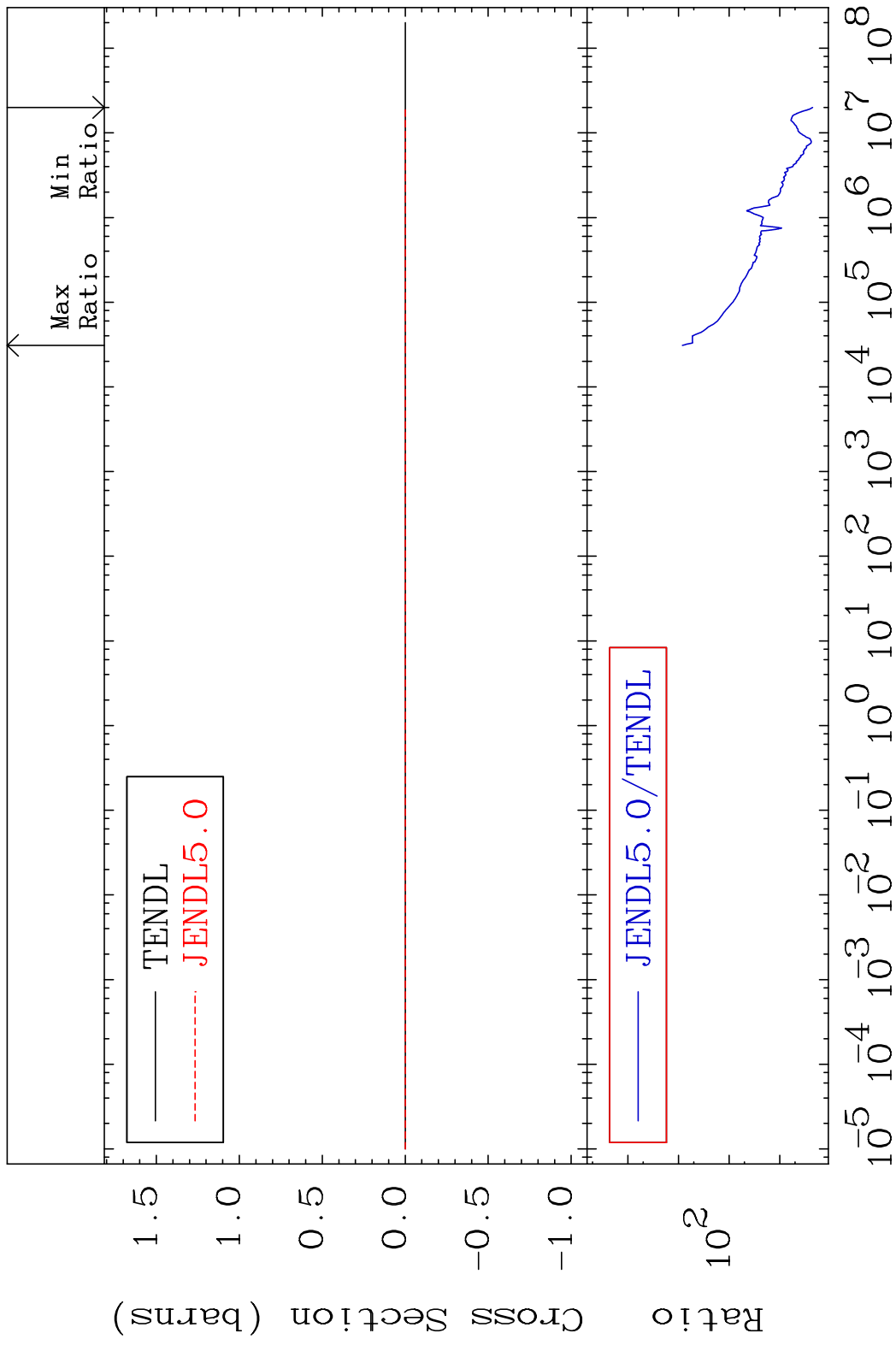
MAT 7322 Kerma non-elastic (all but mt2) 73-Ta-179  
 Cross Section -86.87 To 9999. %



MAT 7322 Kerma inelastic (mt51-91) 73-Ta-179  
 Cross Section 126.4 To 9999. %

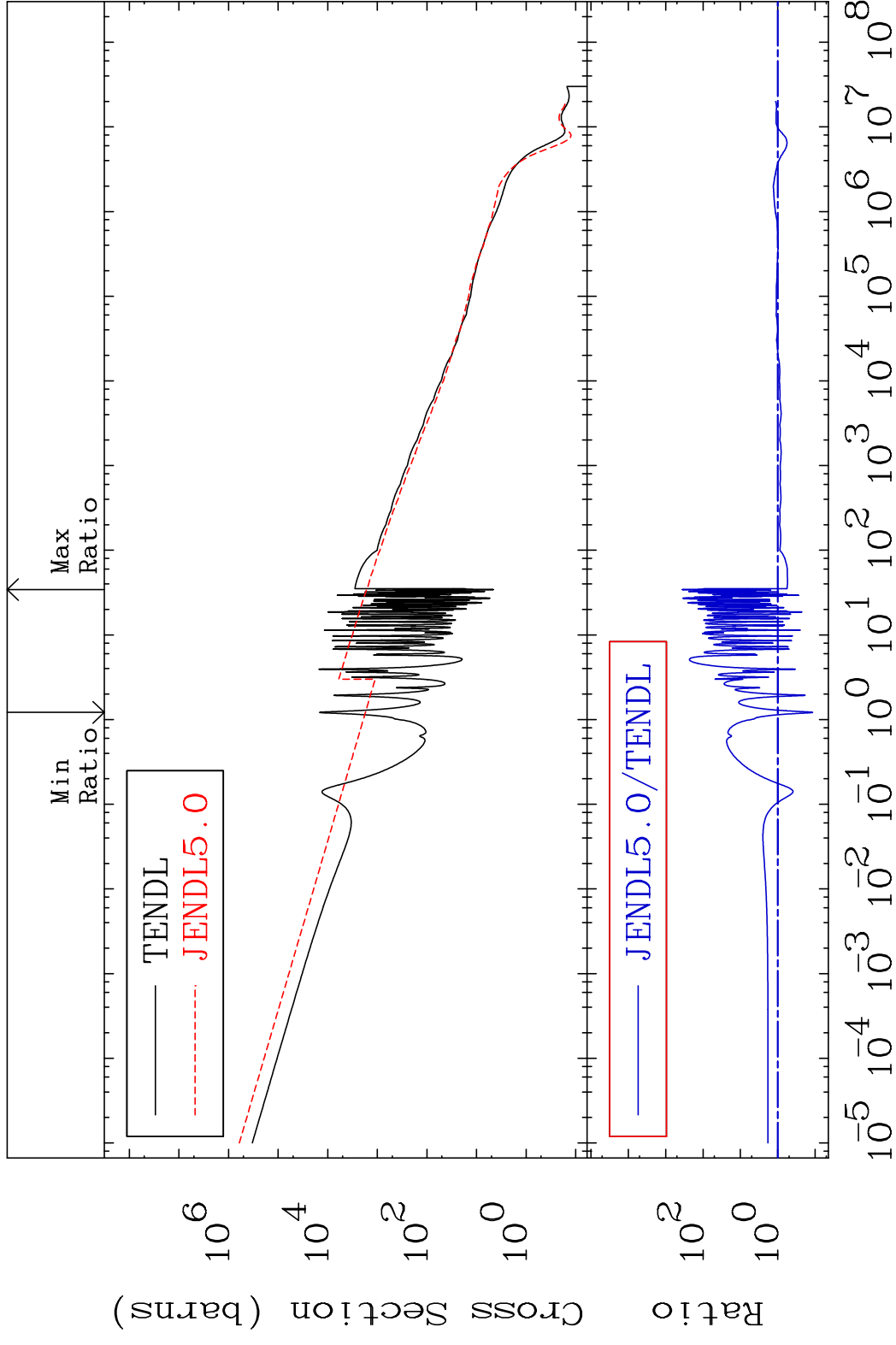


MAT 7322 Kerma fission (mt18 or mt19-20-21-38) 73-Ta-179  
 Cross Section 126.4 To 9999. %

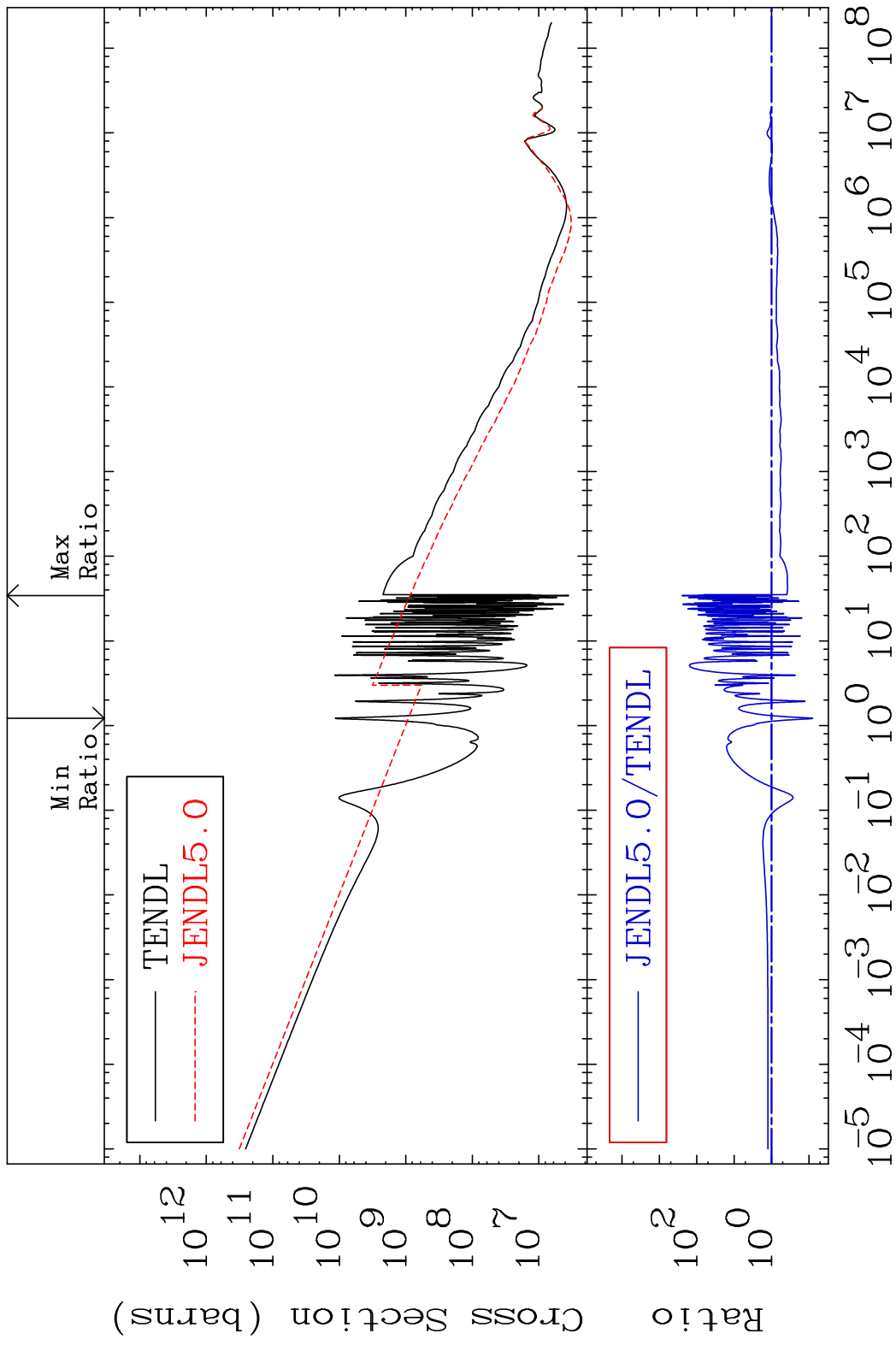


MAT 7322

Kerma capture (mt102) 73-Ta-179  
Cross Section -88.27 To 9999. %

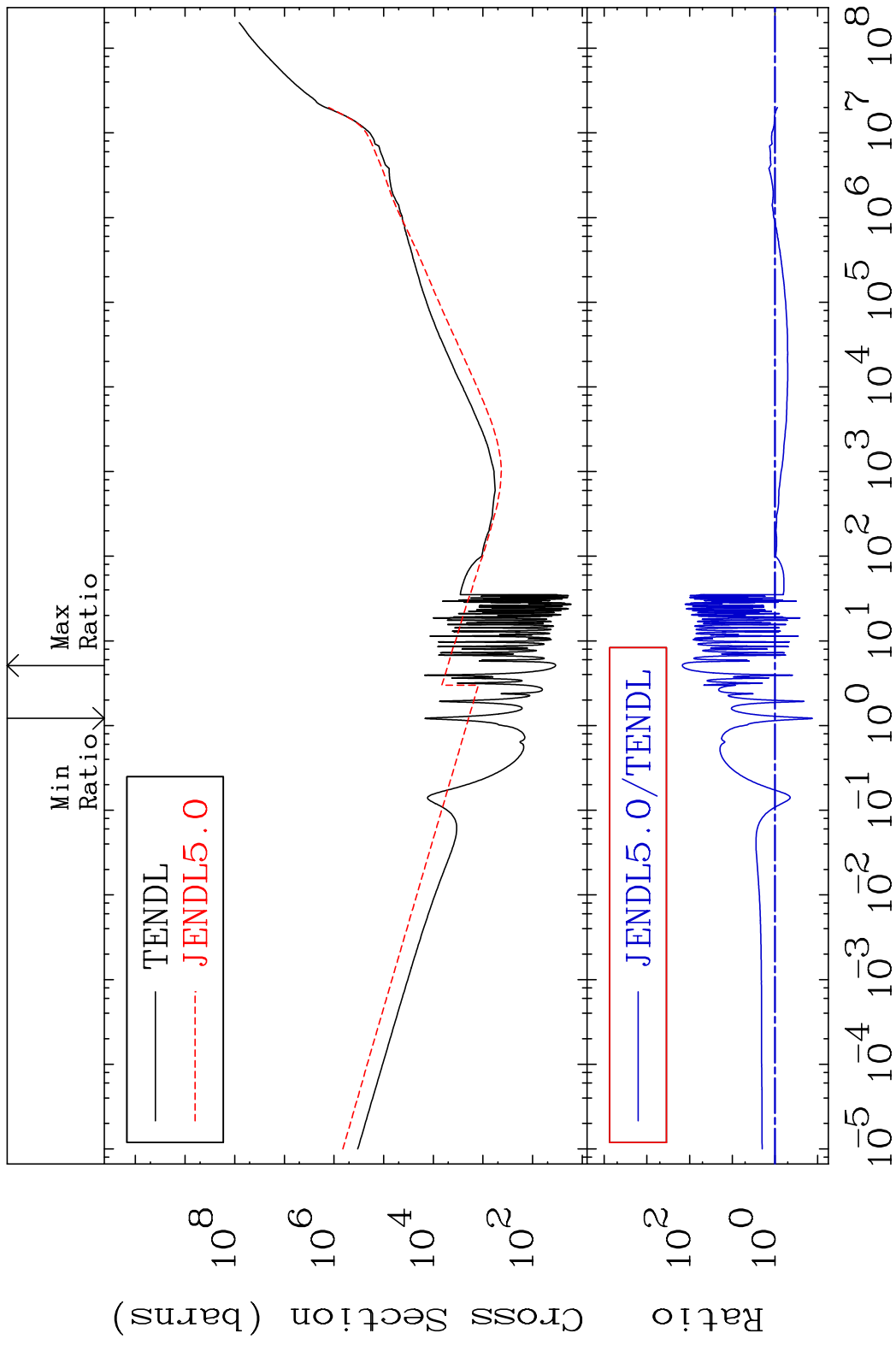


MAT 7322 Total photon (eV-barns) 73-Ta-179  
 Cross Section -92.04 To 9999. %



47 Incident Energy (eV) 73-Ta-179

MAT 7322 Total kinematic kerma (high limit) 73-Ta-179  
Cross Section -86.90 To 9999. %

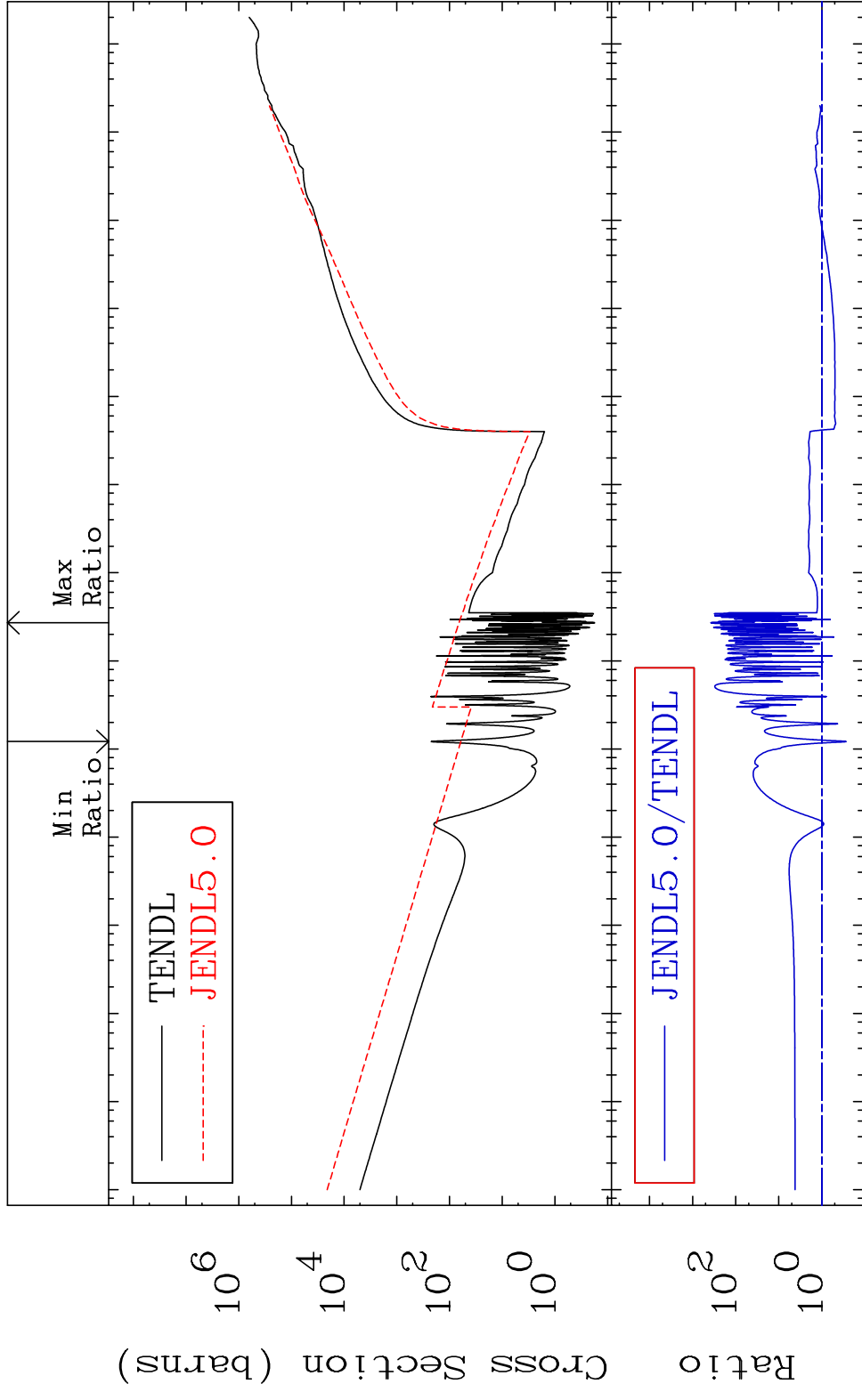


MAT 7322

Dpa total (eV-barns)

73-Ta-179

Cross Section -72.94 To 9999. %



49

Incident Energy (eV)

73-Ta-179

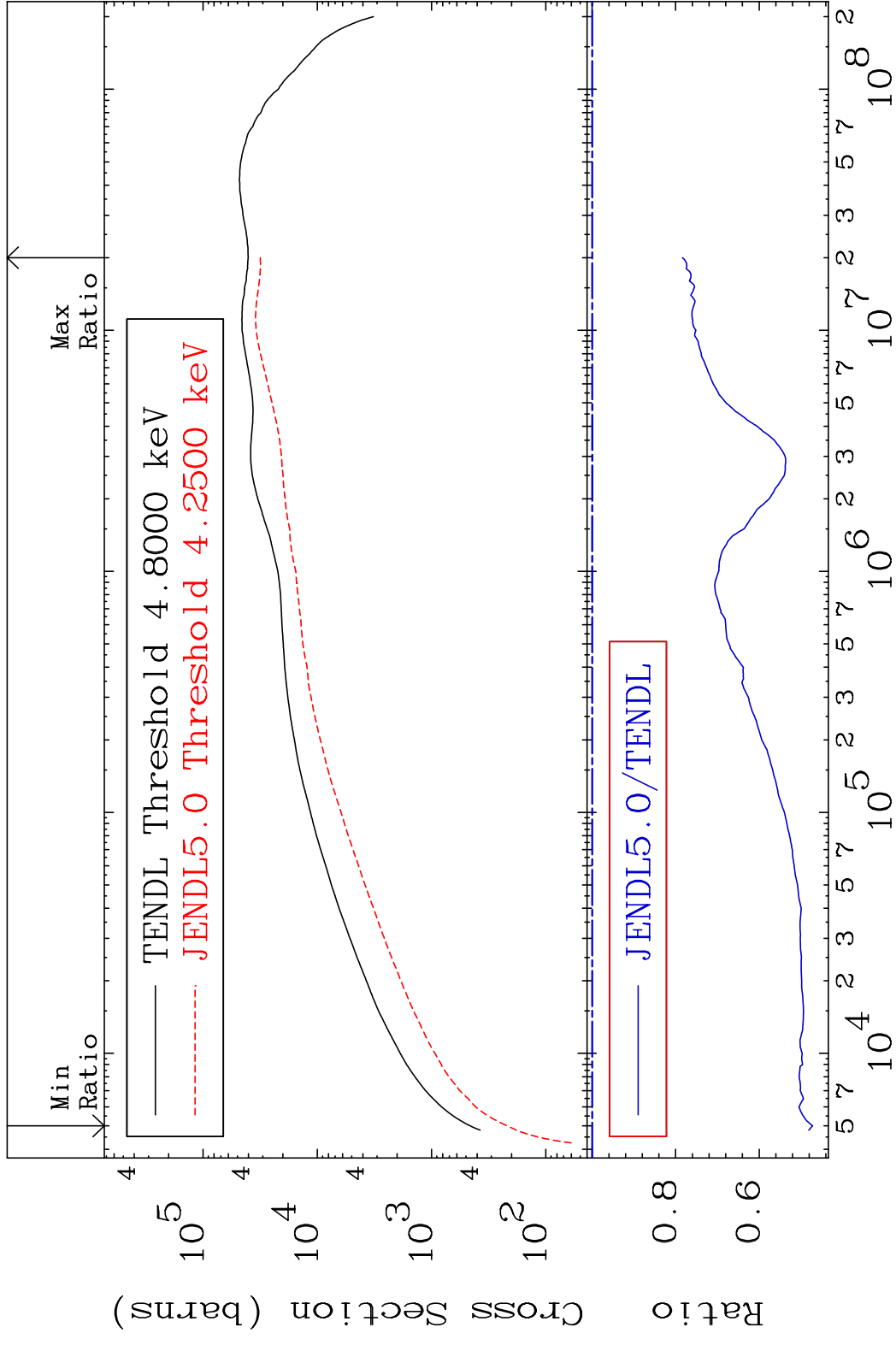
MAT 7322

Dpa elastic (mt2)

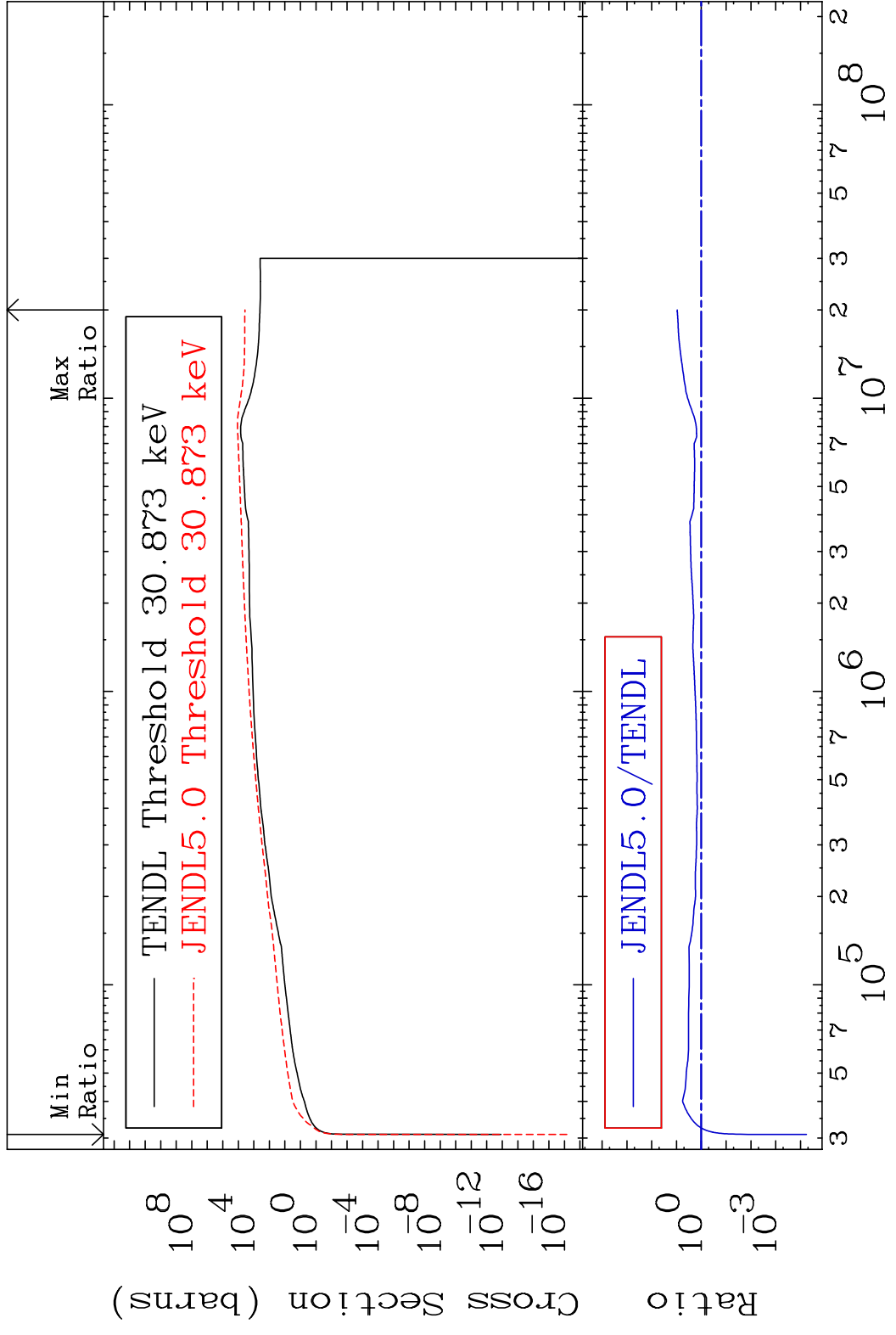
73-Ta-179

Cross Section

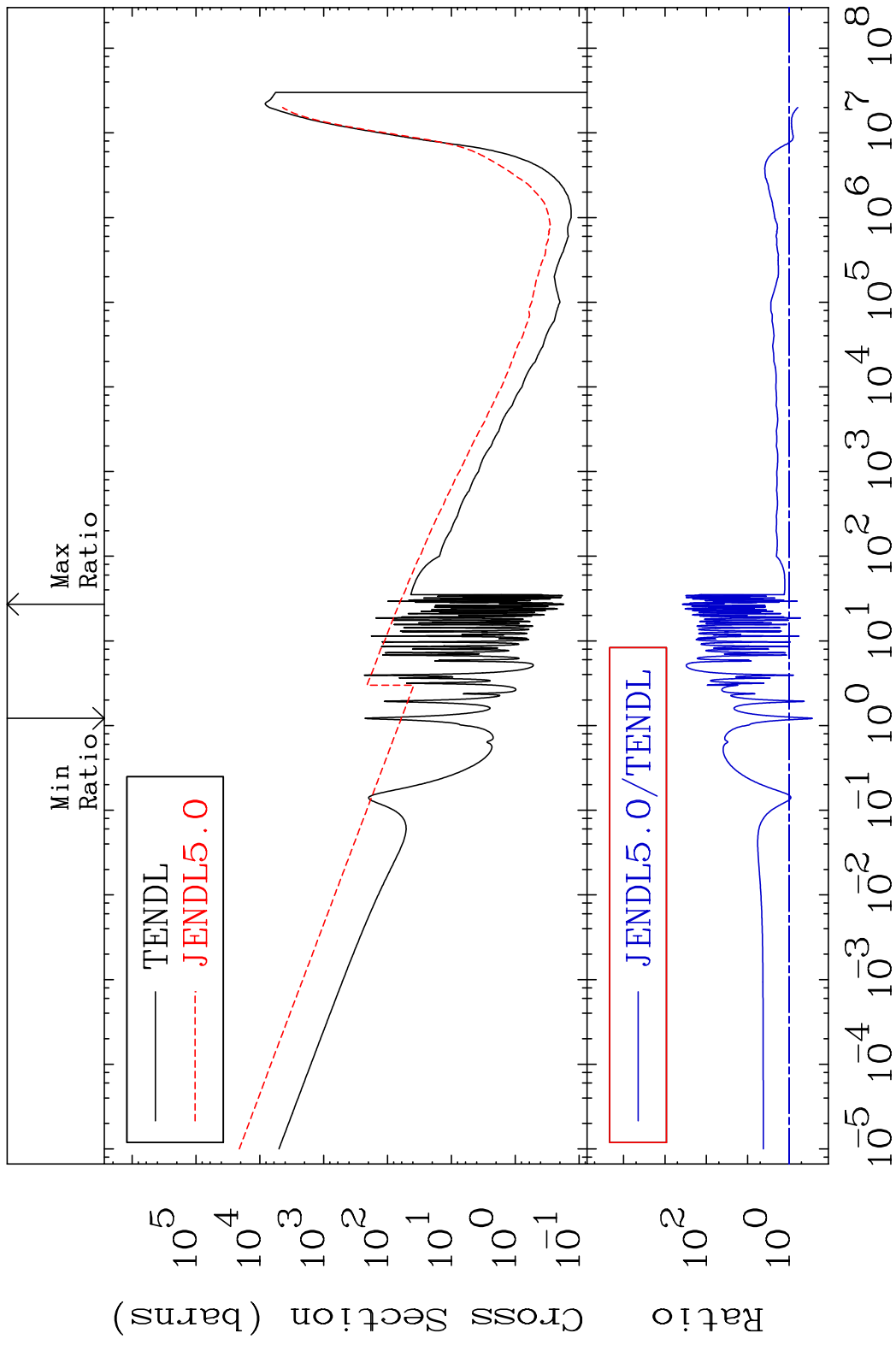
-52.80 To -21.61%

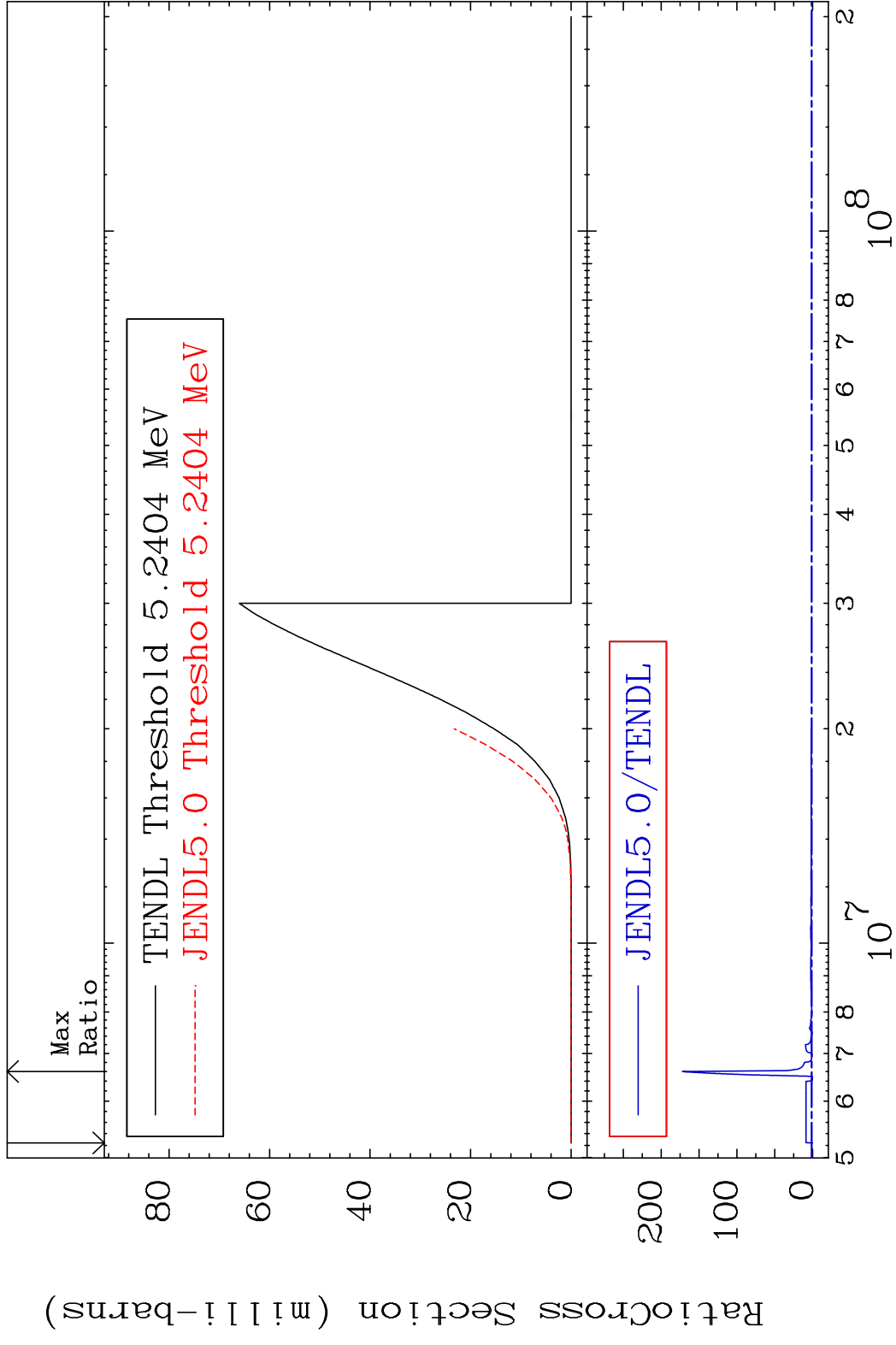


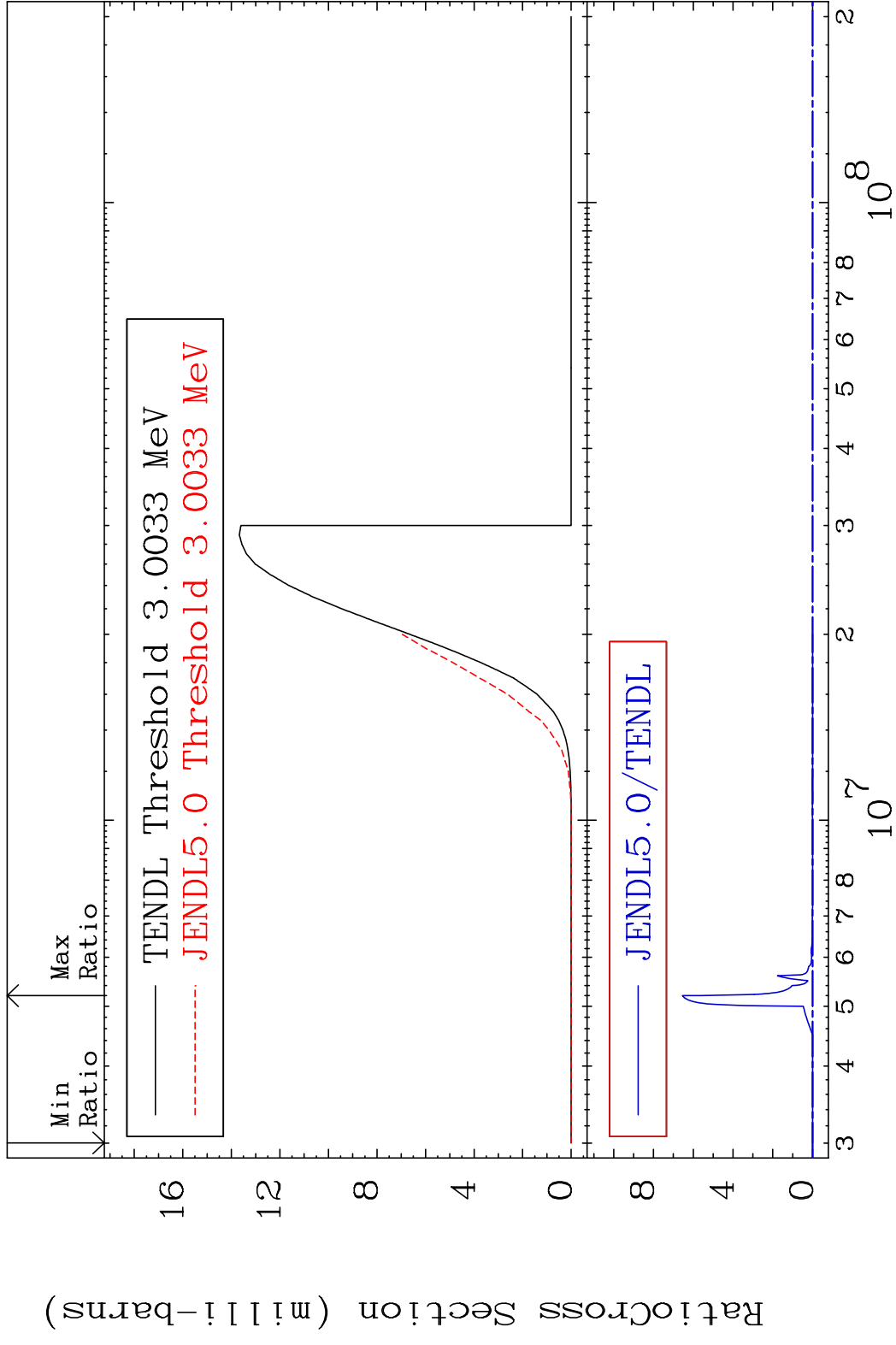
MAT 7322 Dpa inelastic (mt51-91) 73-Ta-179  
 Cross Section -99.99 To 840.5 %

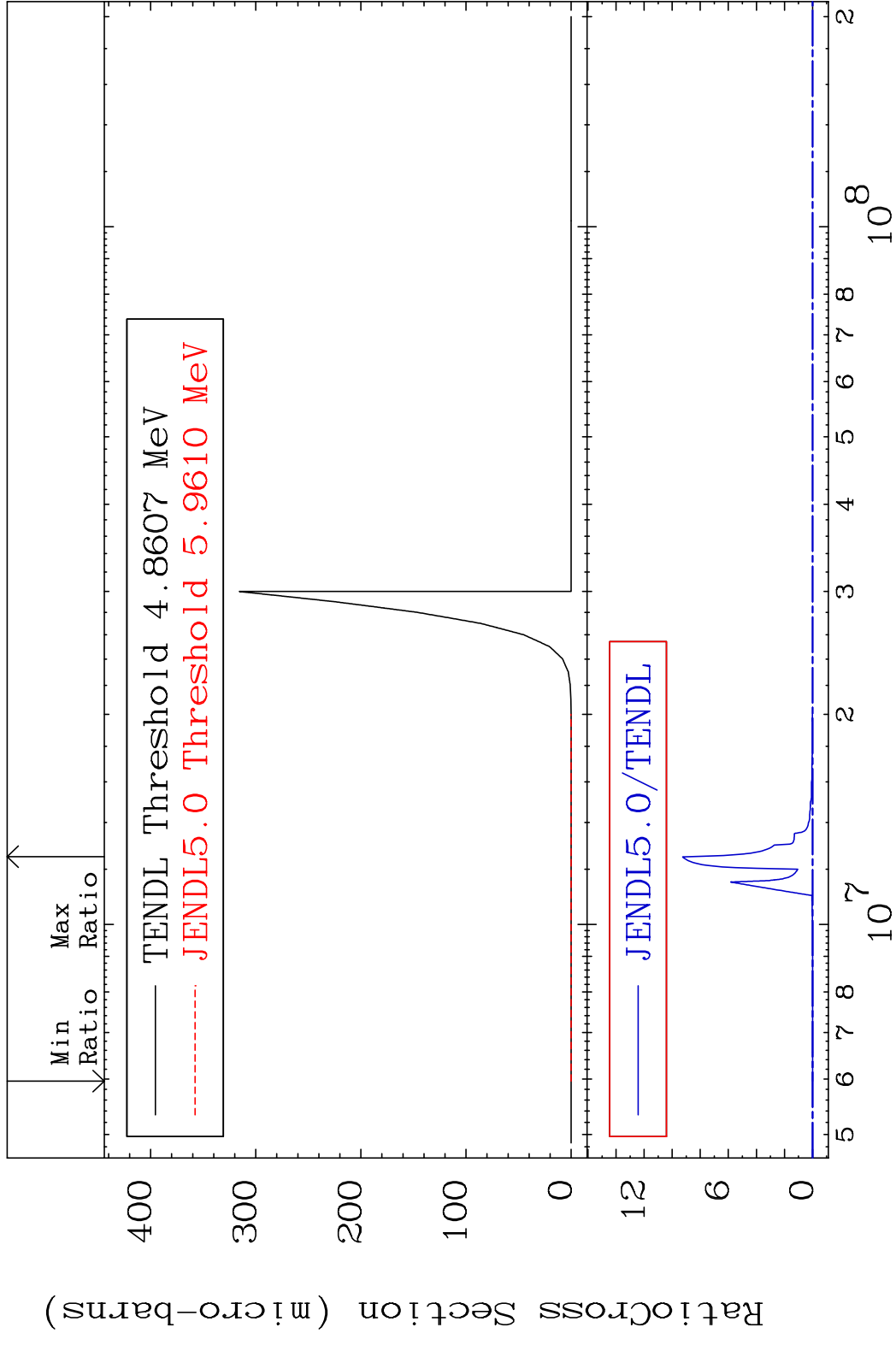


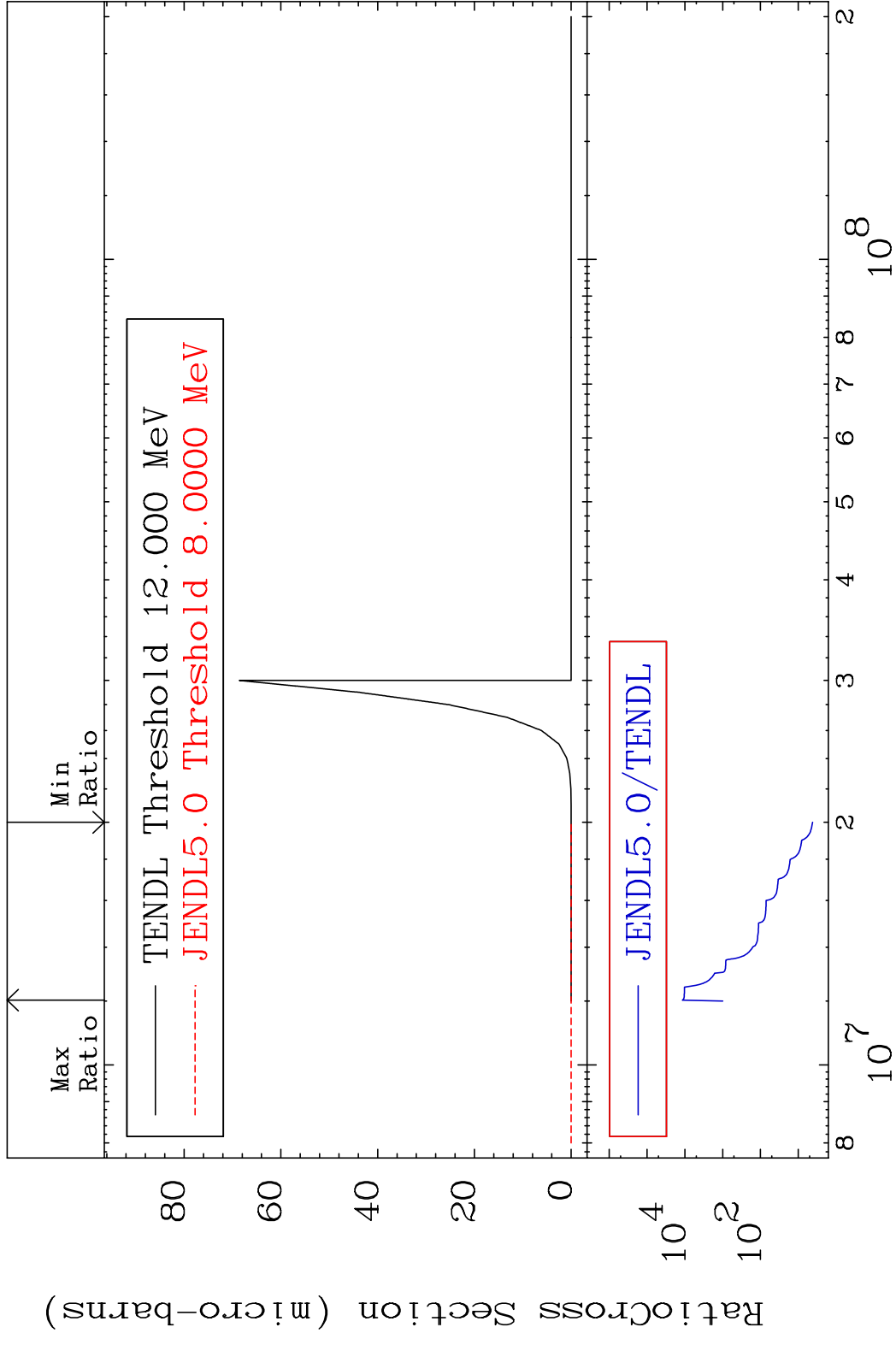
MAT 7322 Dpa disappearance (mt102 -120) 73-Ta-179  
 Cross Section -72.94 To 9999. %



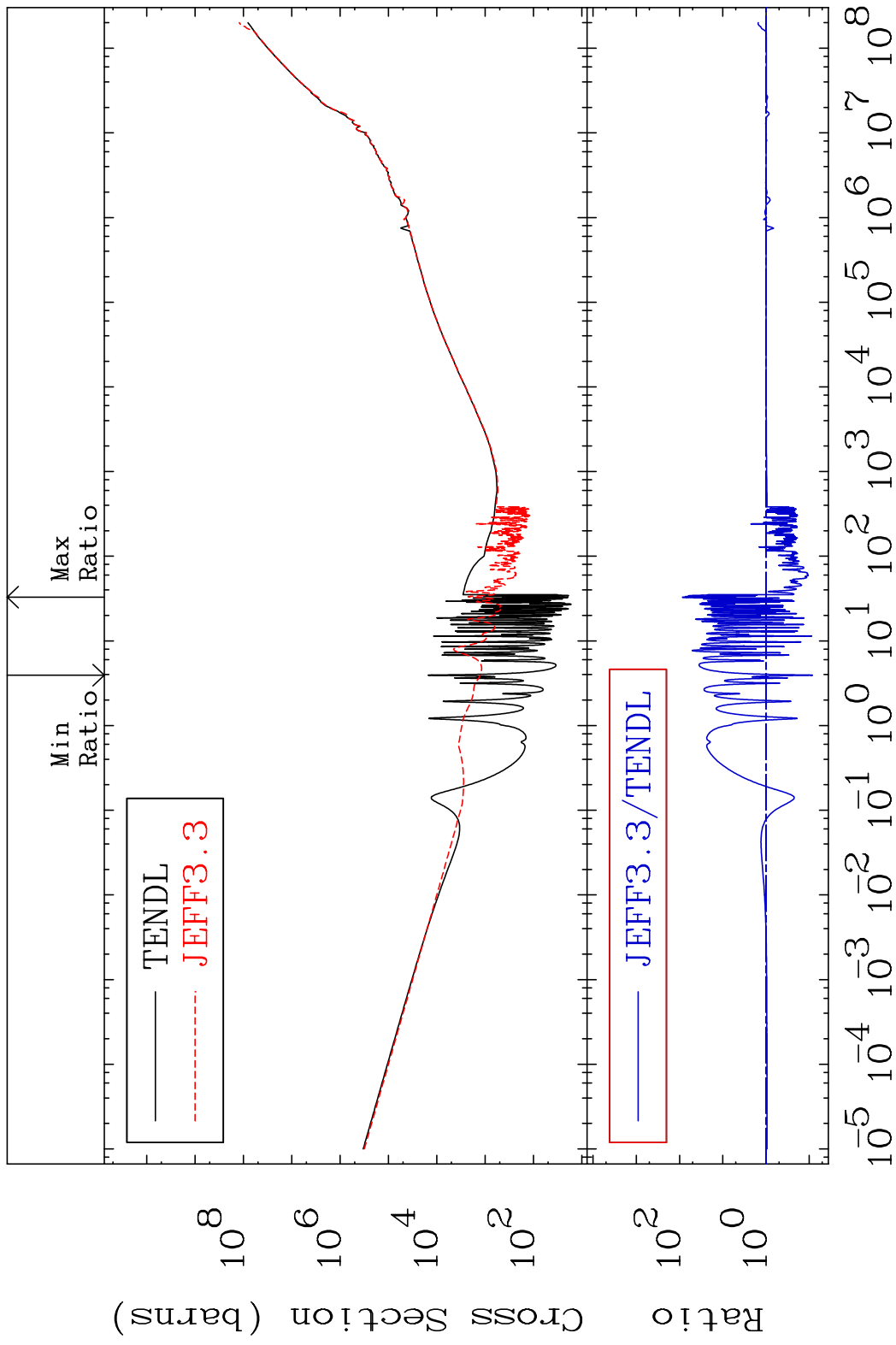








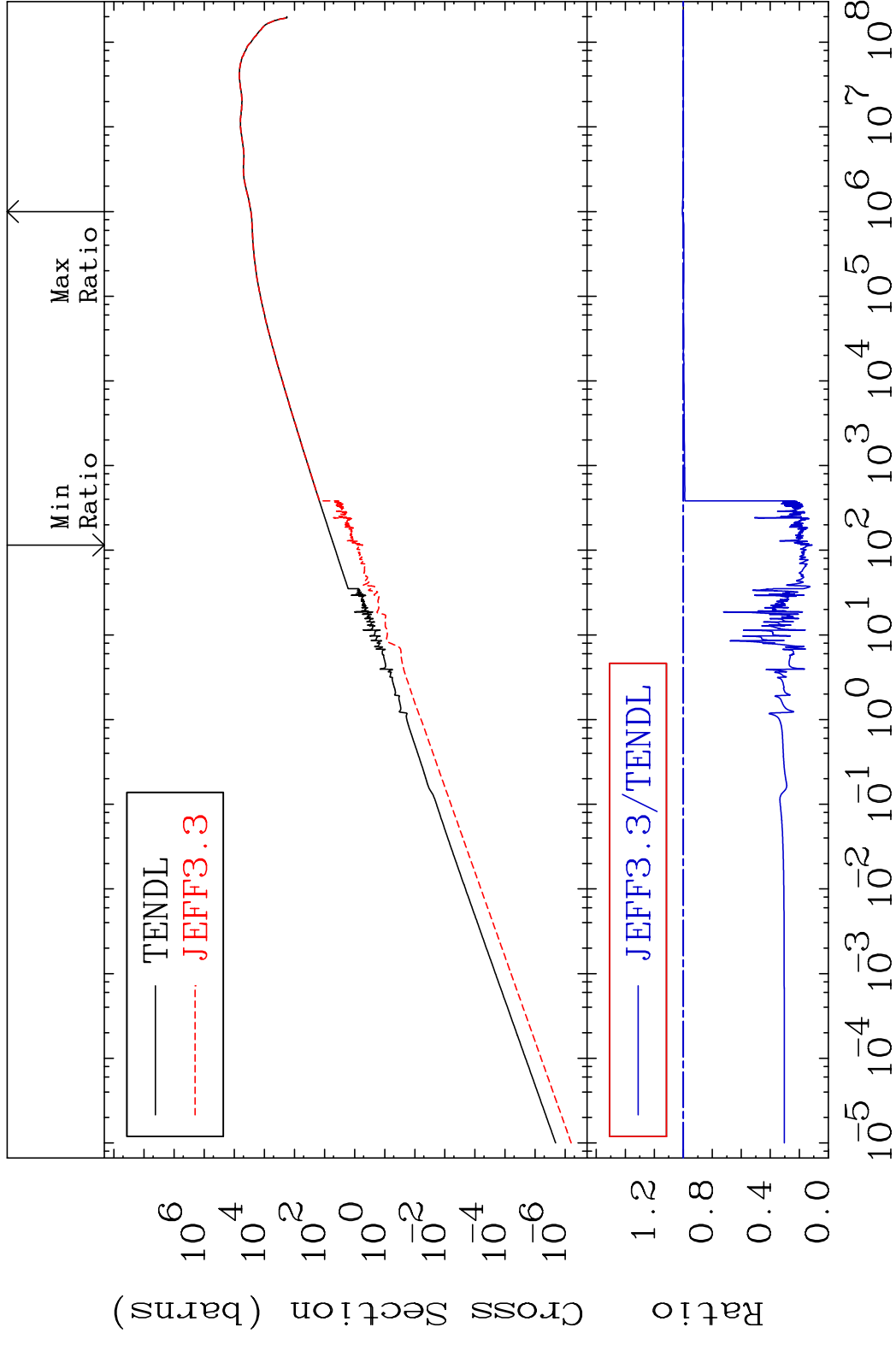
MAT 7322 Kerma total (eV-barns) 73-Ta-179  
 Cross Section -91.61 To 8509. %



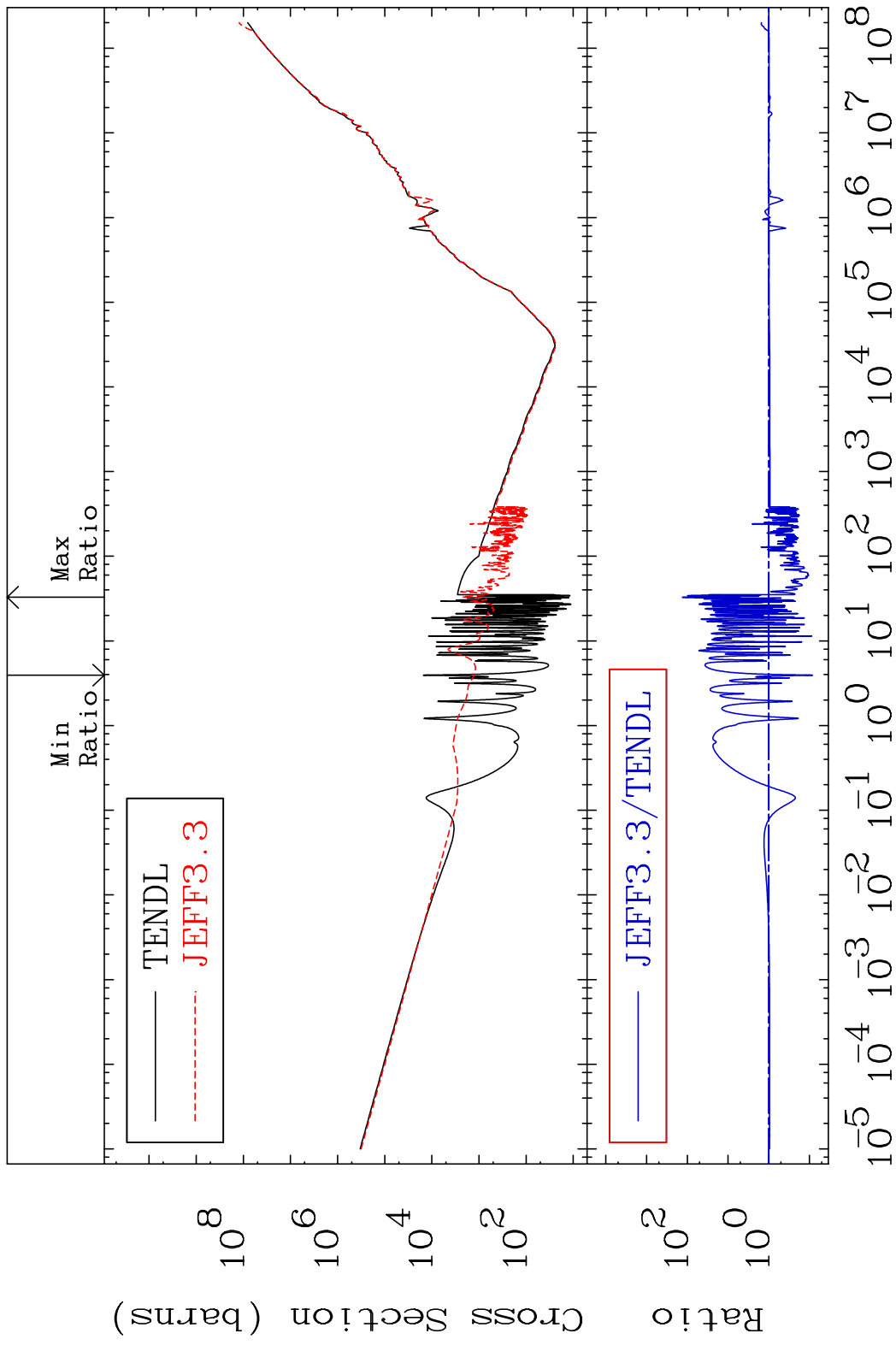
MAT 7322

Kerma elastic  
Cross Section

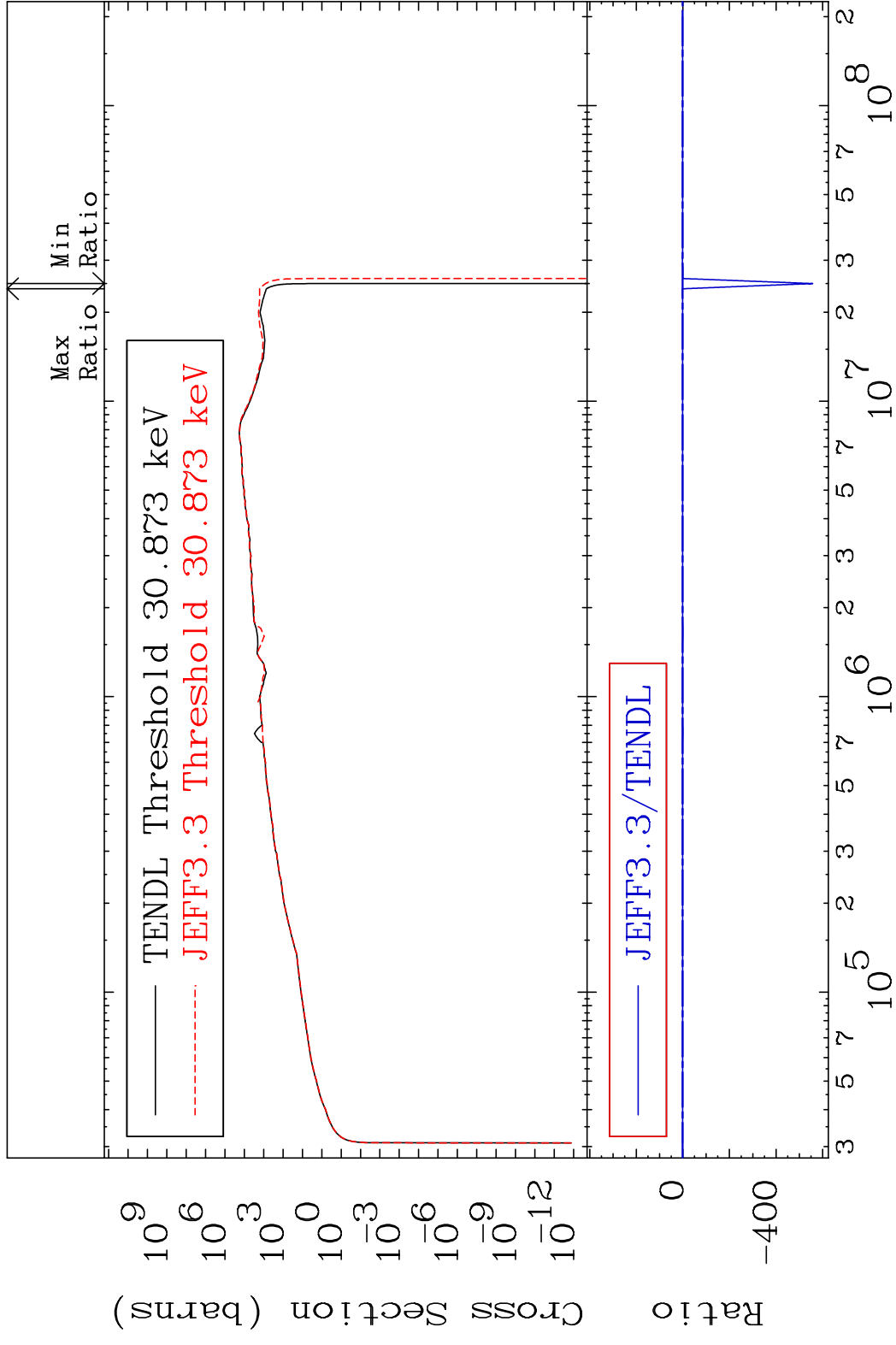
73-Ta-179  
-89.15 To 0.644 %



MAT 7322 Kerma non-elastic (all but mt2) 73-Ta-179  
 Cross Section -91.61 To 9999. %

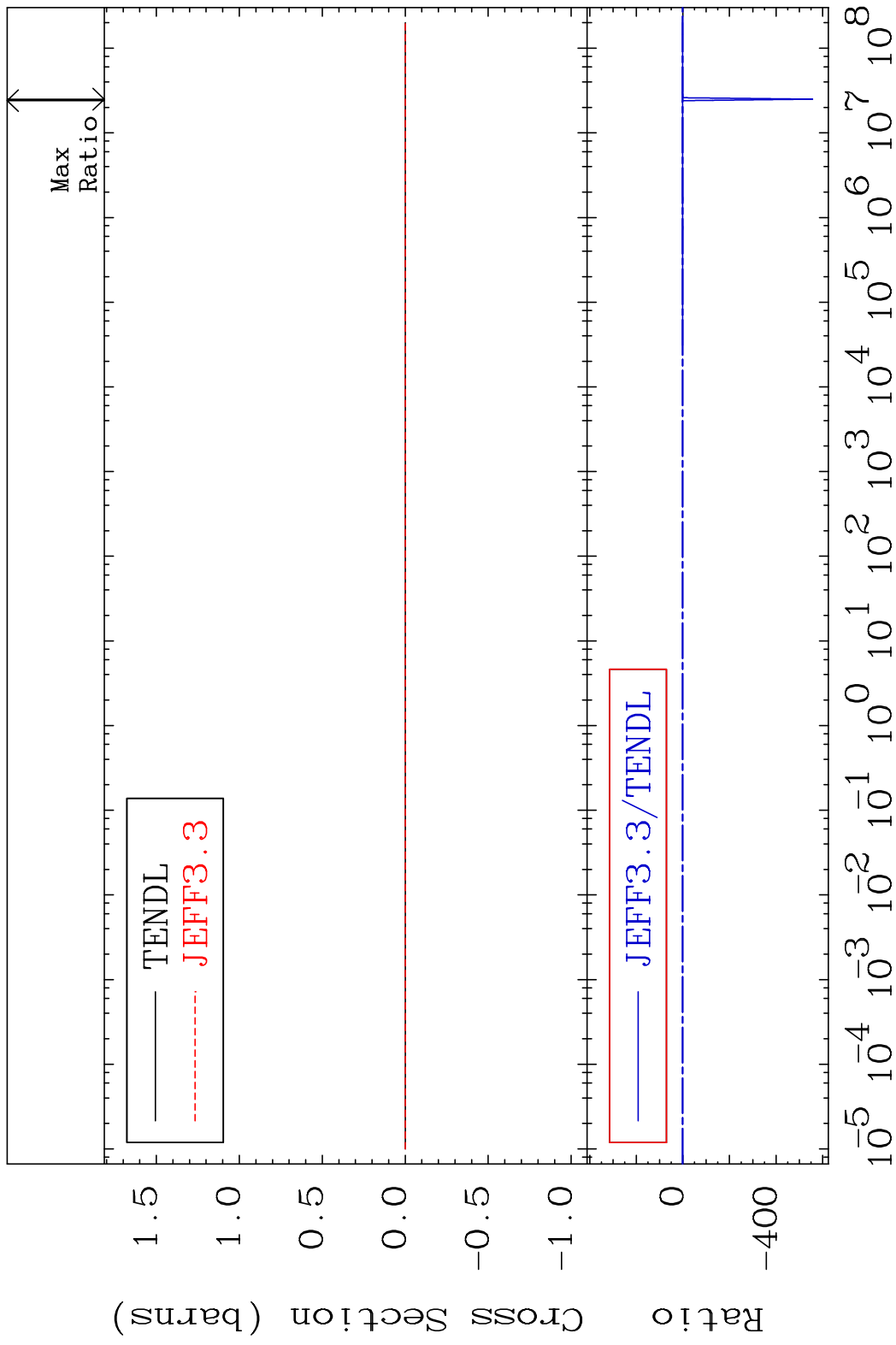


MAT 7322 Kerma inelastic (mt51-91) 73-Ta-179  
 Cross Section -9999. To 125.9 %



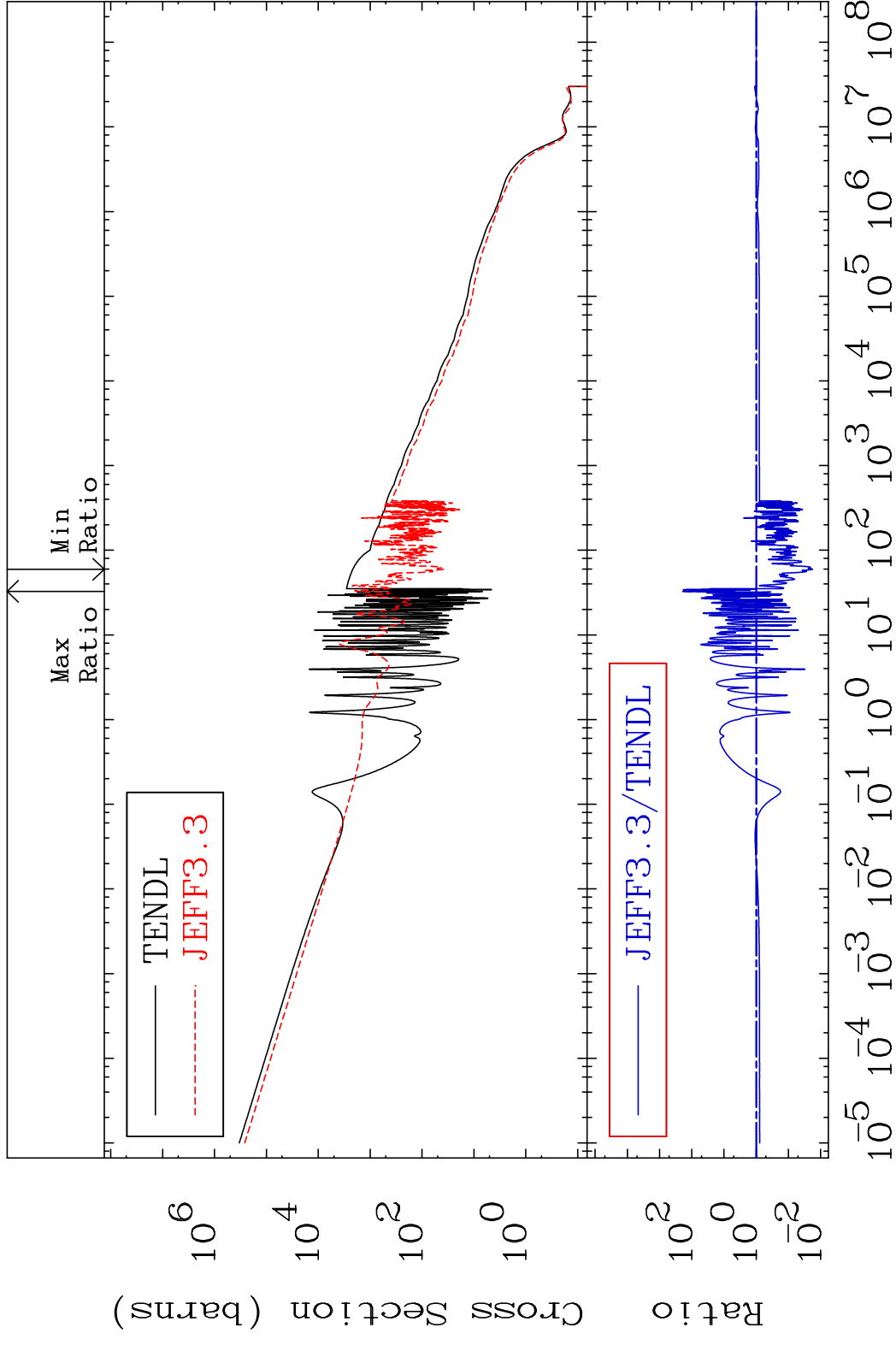
60 Incident Energy (eV) 73-Ta-179

MAT 7322 Kerma fission (mt18 or mt19-20-21-38)73-Ta-179  
 Cross Section -9999. To 125.9 %



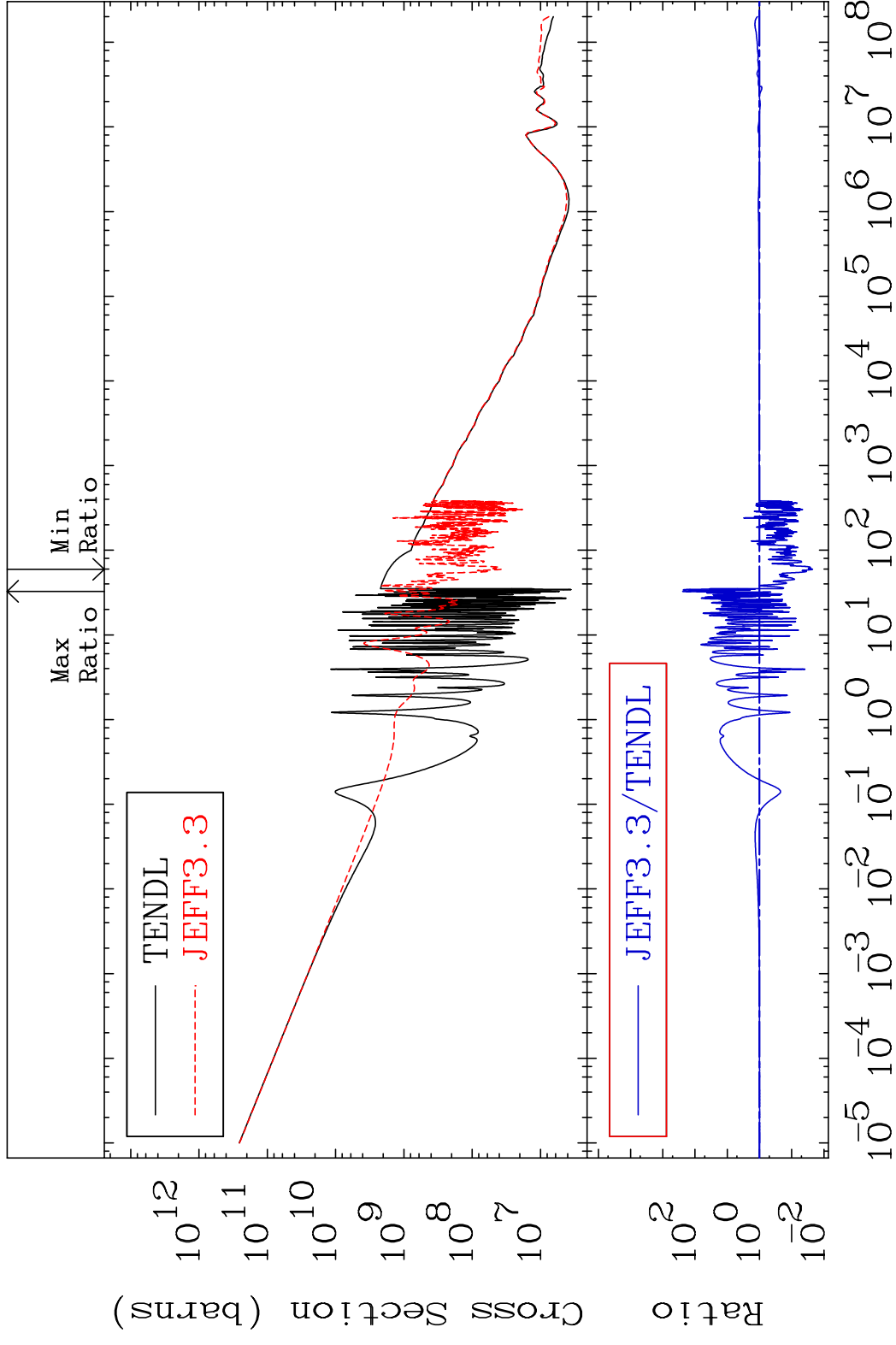
MAT 7322

Kerma capture (mt102) 73-Ta-179  
Cross Section -98.22 To 9999. %



MAT 7322

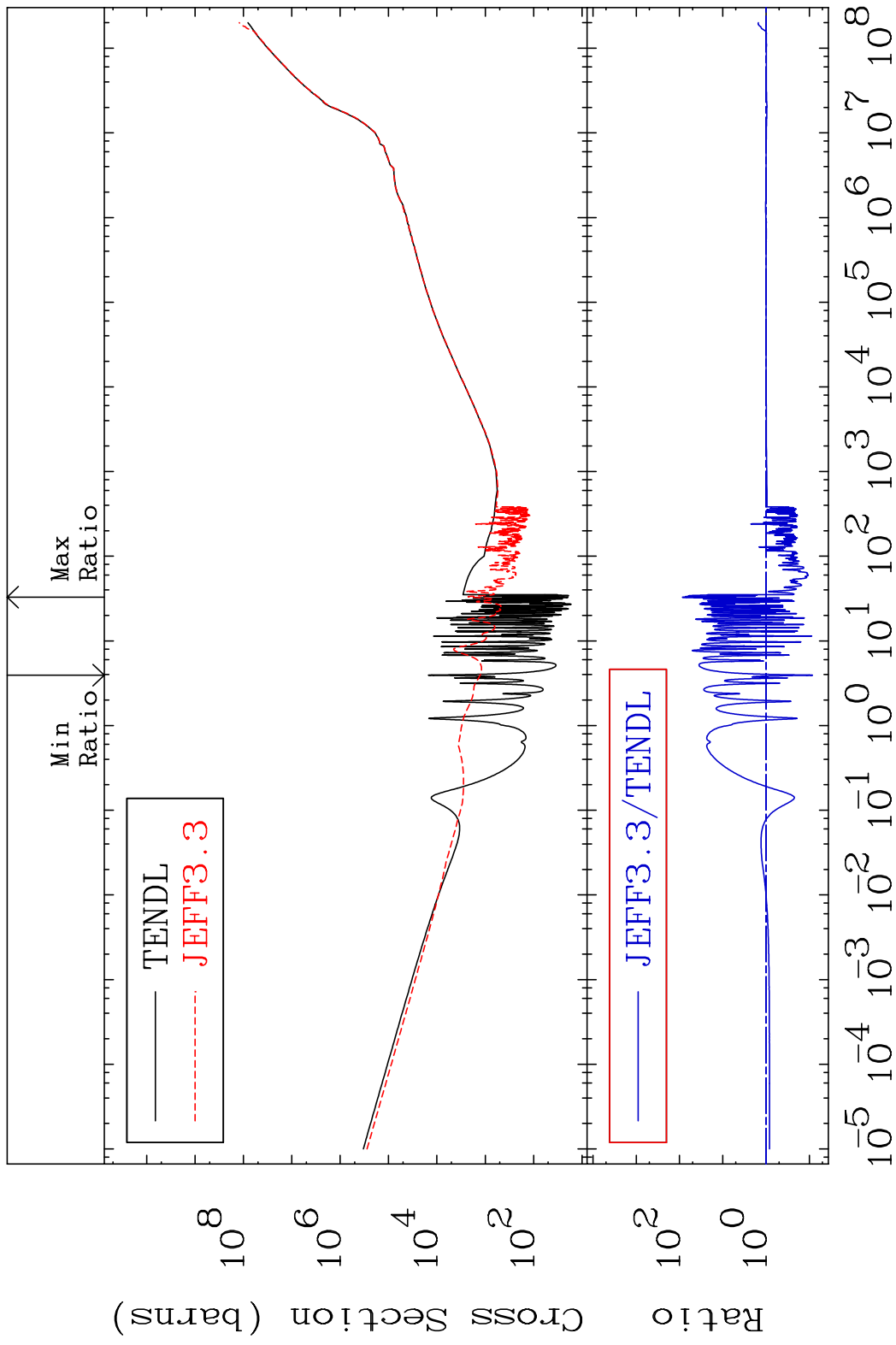
Total photon (eV-barns) 73-Ta-179  
Cross Section -97.75 To 9999. %



63

Incident Energy (eV) 73-Ta-179

MAT 7322 Total kinematic kerma (high limit) 73-Ta-179  
 Cross Section -91.57 To 8501. %

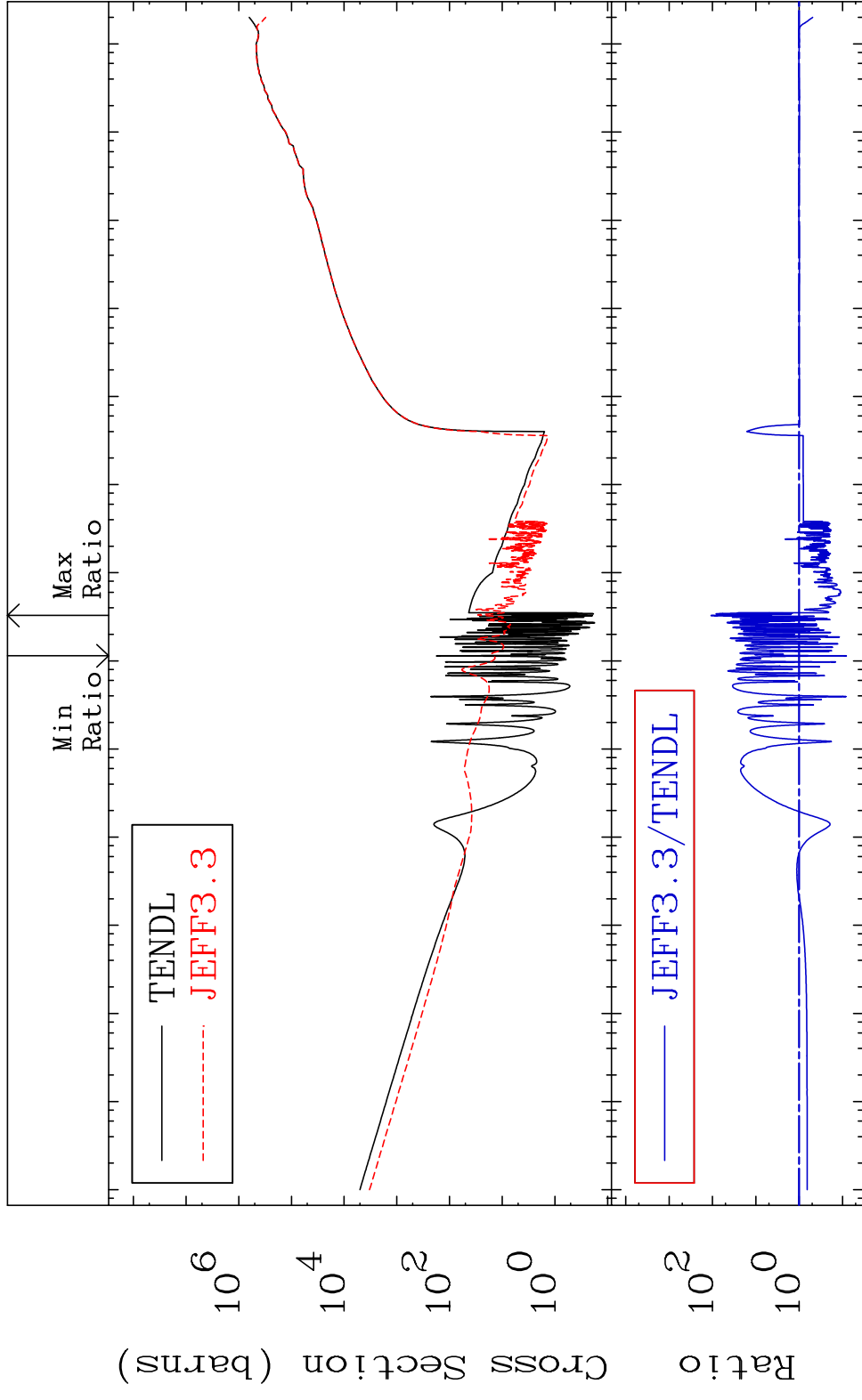


MAT 7322

Dpa total (eV-barns)

73-Ta-179

Cross Section -91.83 To 9999. %



65

Incident Energy (eV)

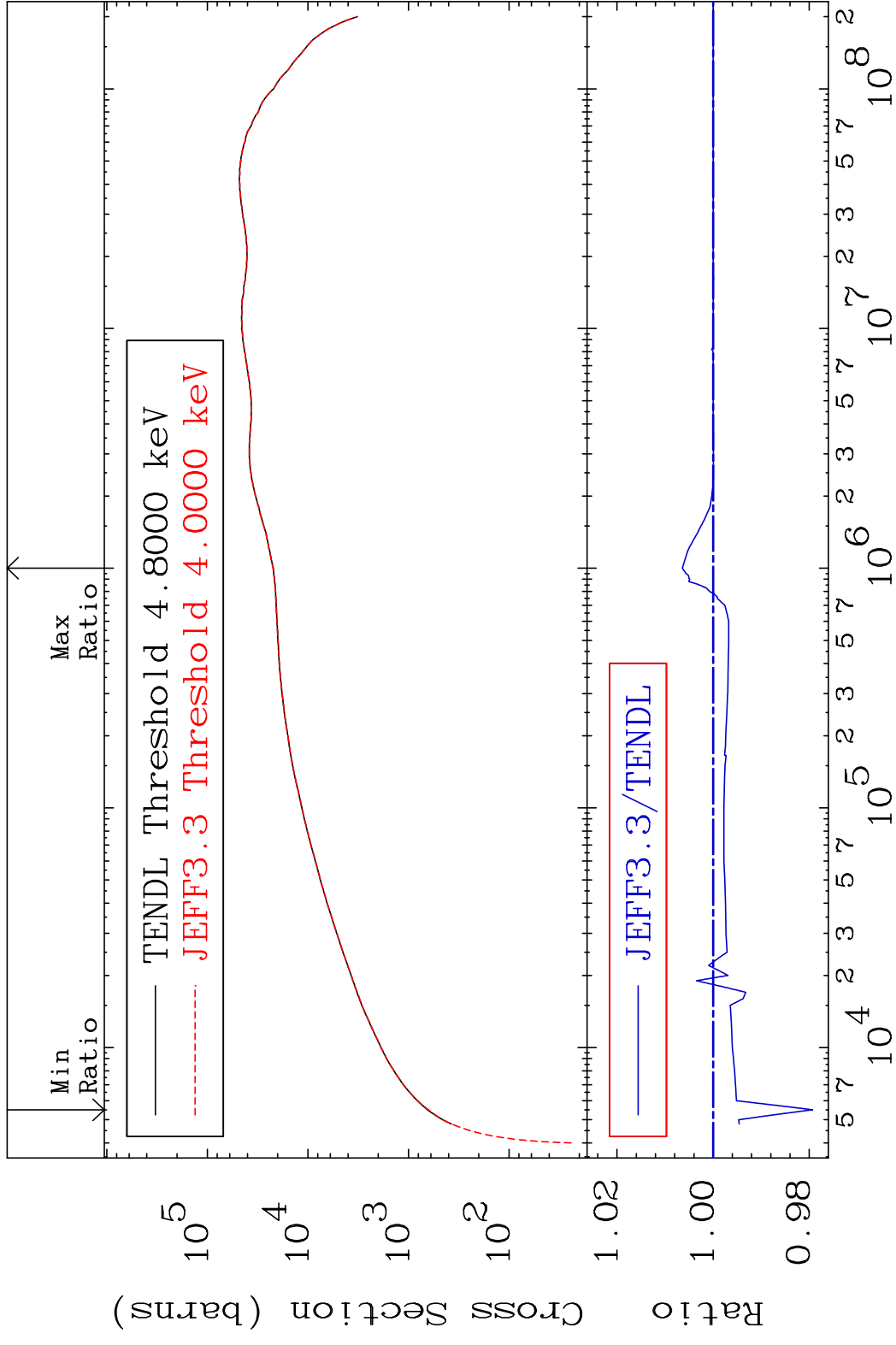
73-Ta-179

MAT 7322

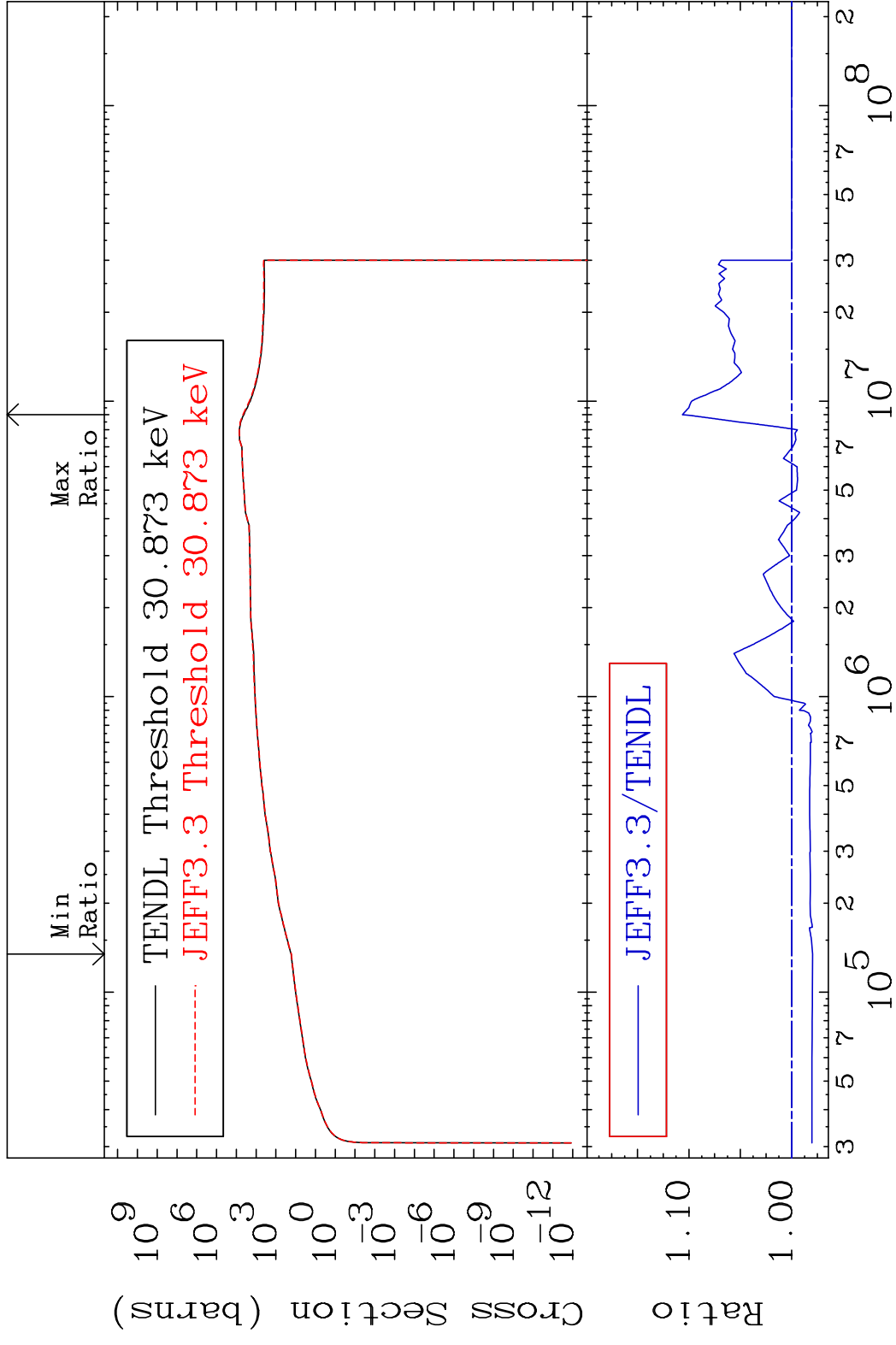
Dpa elastic (mt2)

73-Ta-179

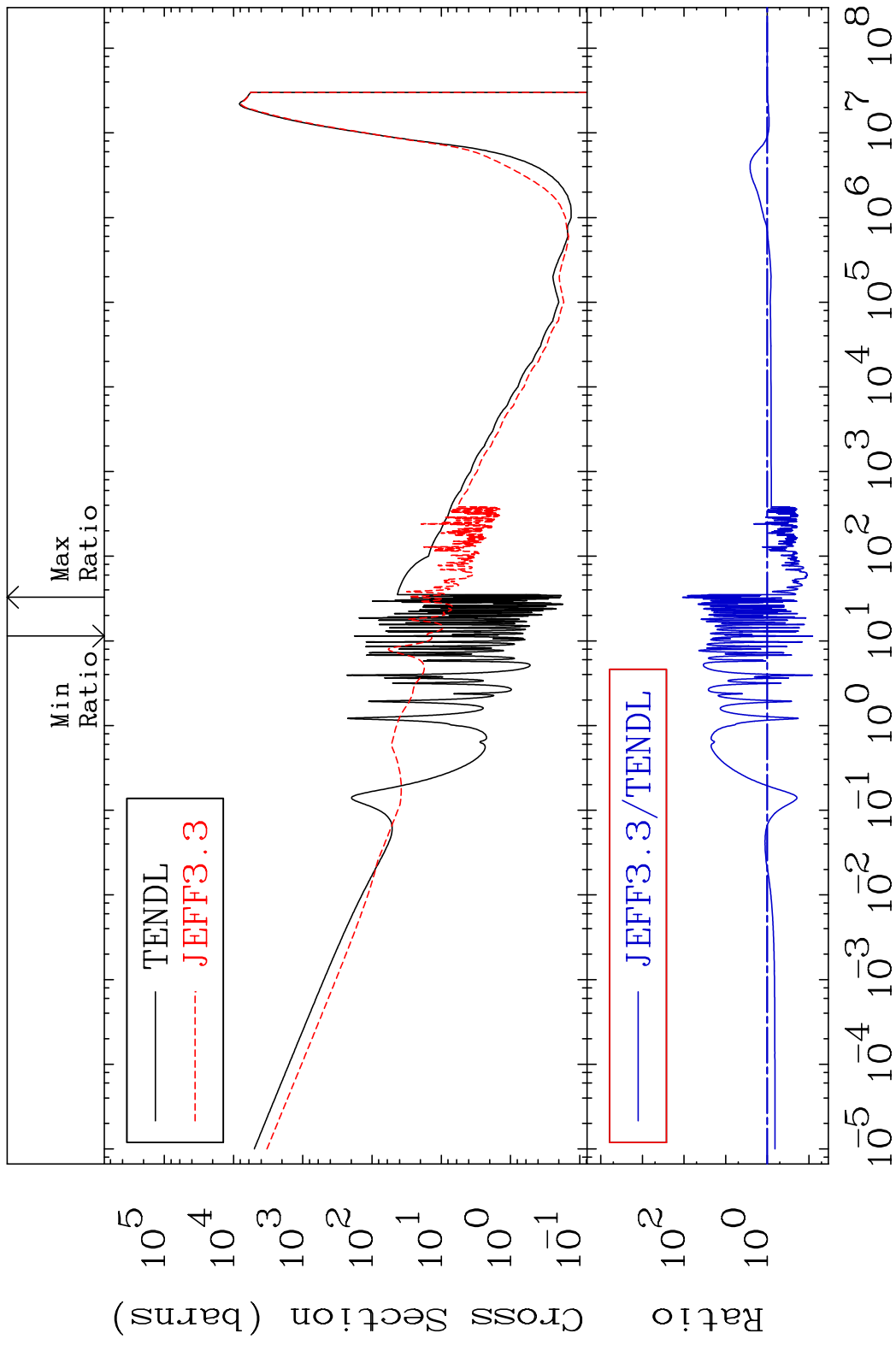
Cross Section -2.069 To 0.641 %

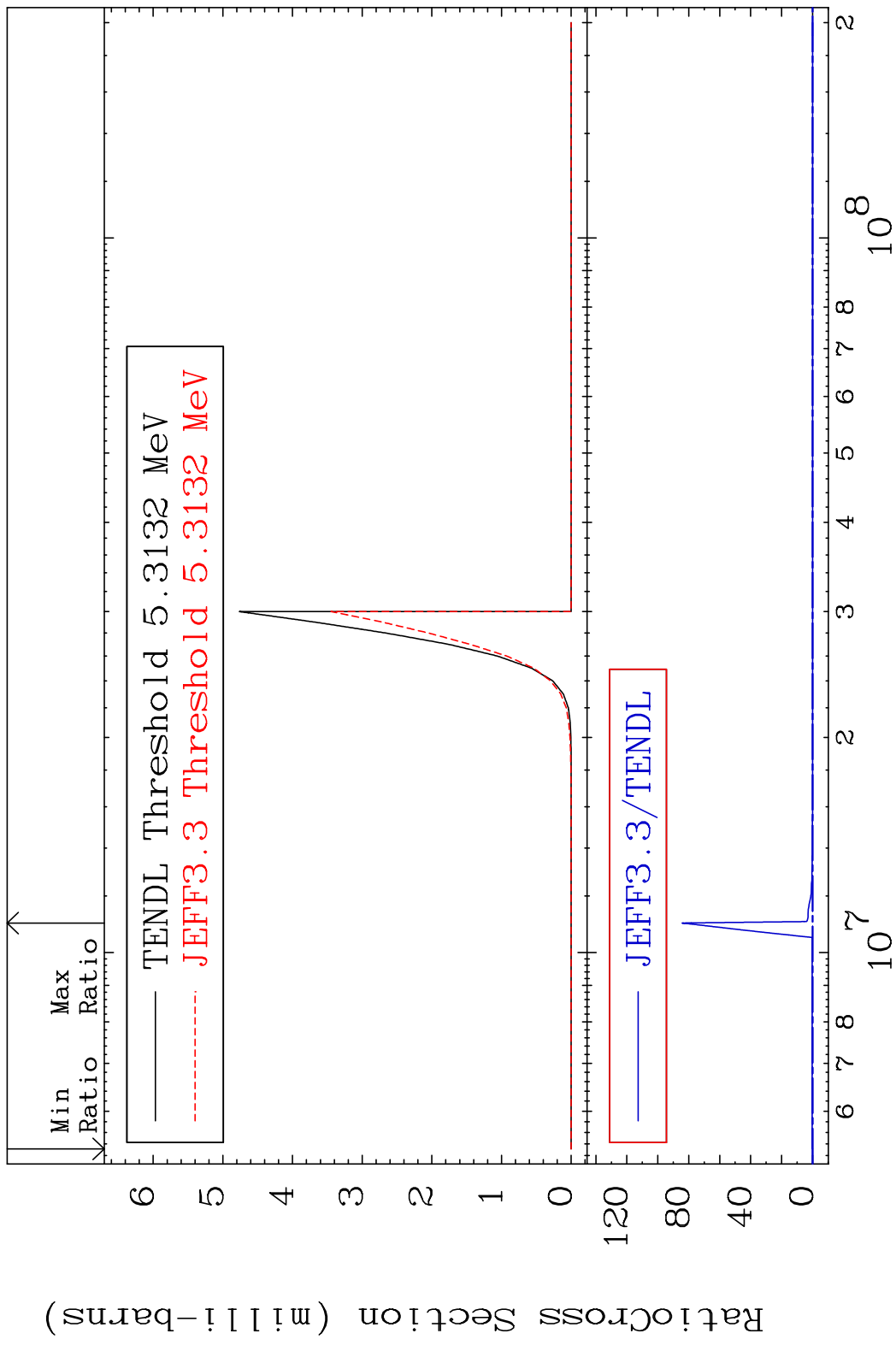


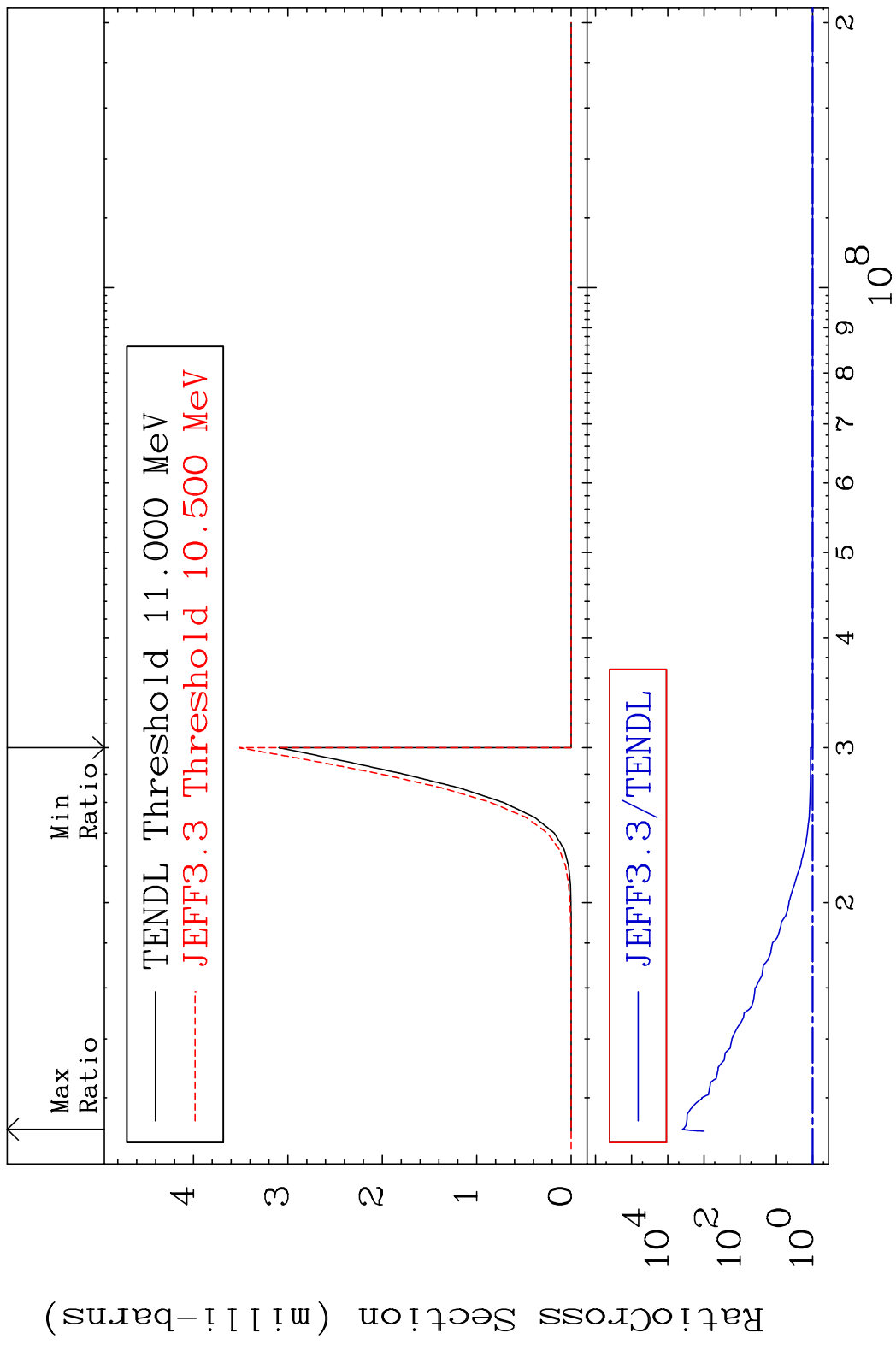
MAT 7322 Dpa inelastic (mt51-91) 73-Ta-179  
 Cross Section -2.025 To 10.64 %

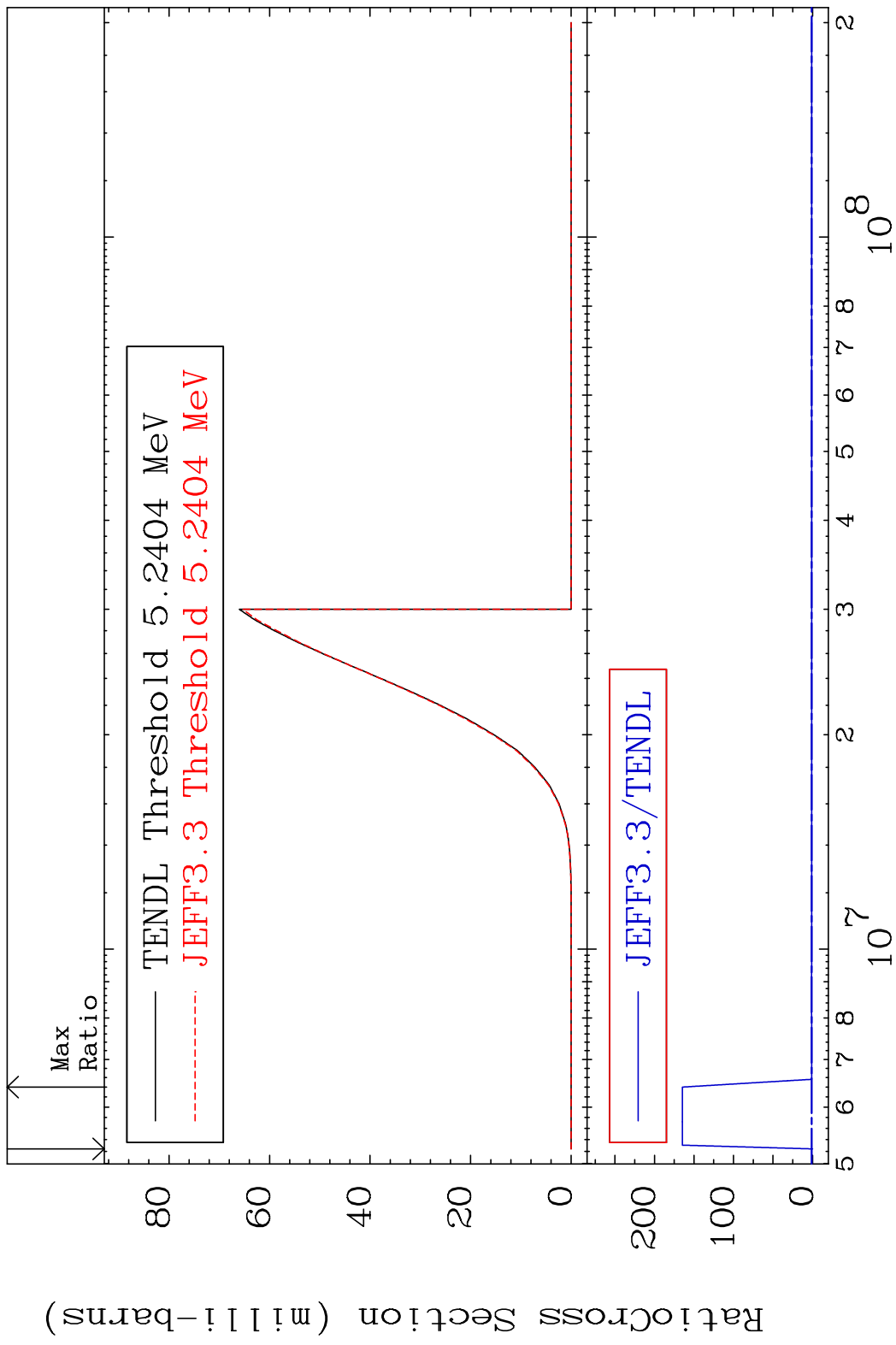


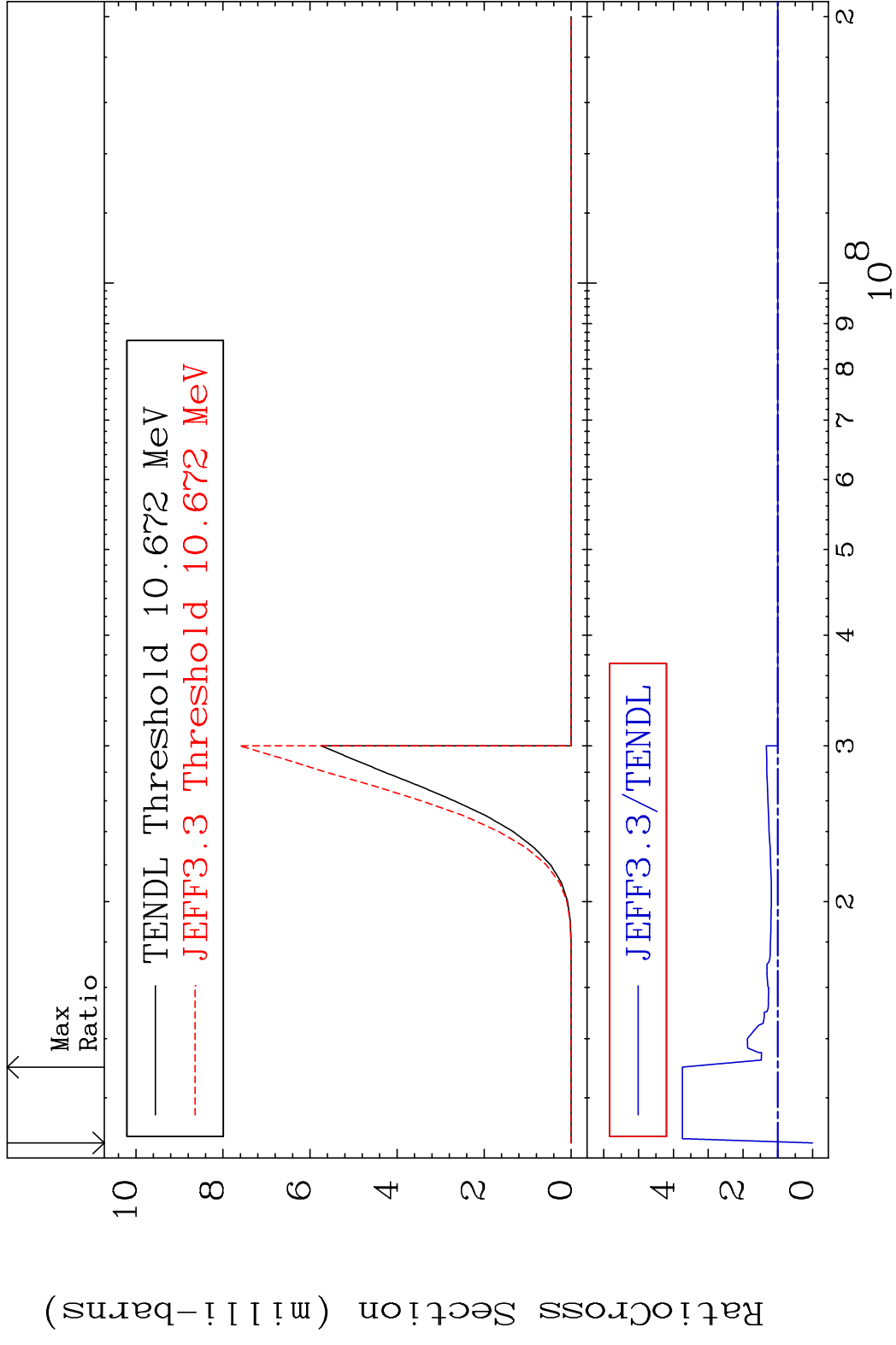
MAT 7322 Dpa disappearance (mt102 -120) 73-Ta-179  
 Cross Section -91.83 To 9999. %



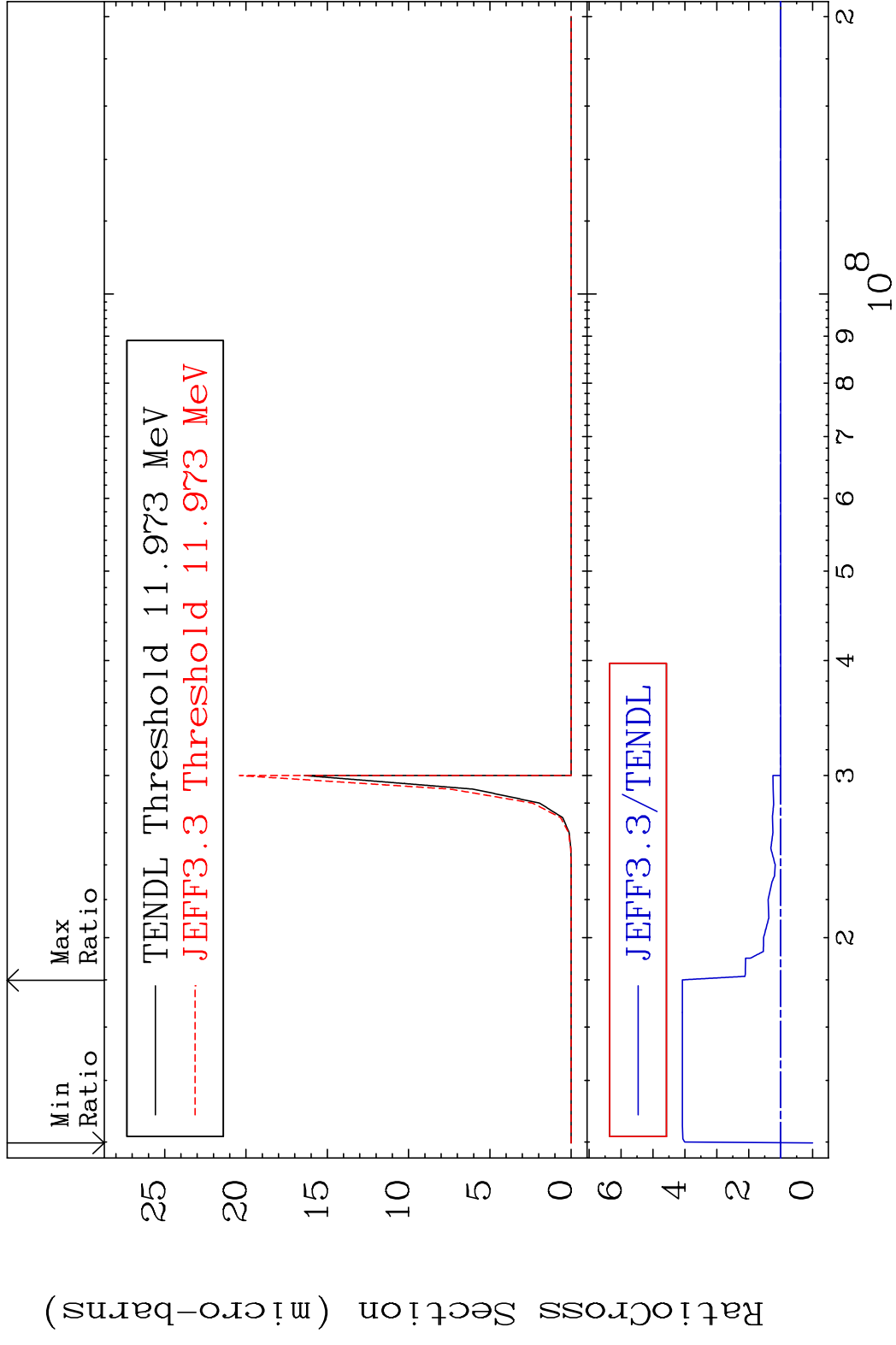


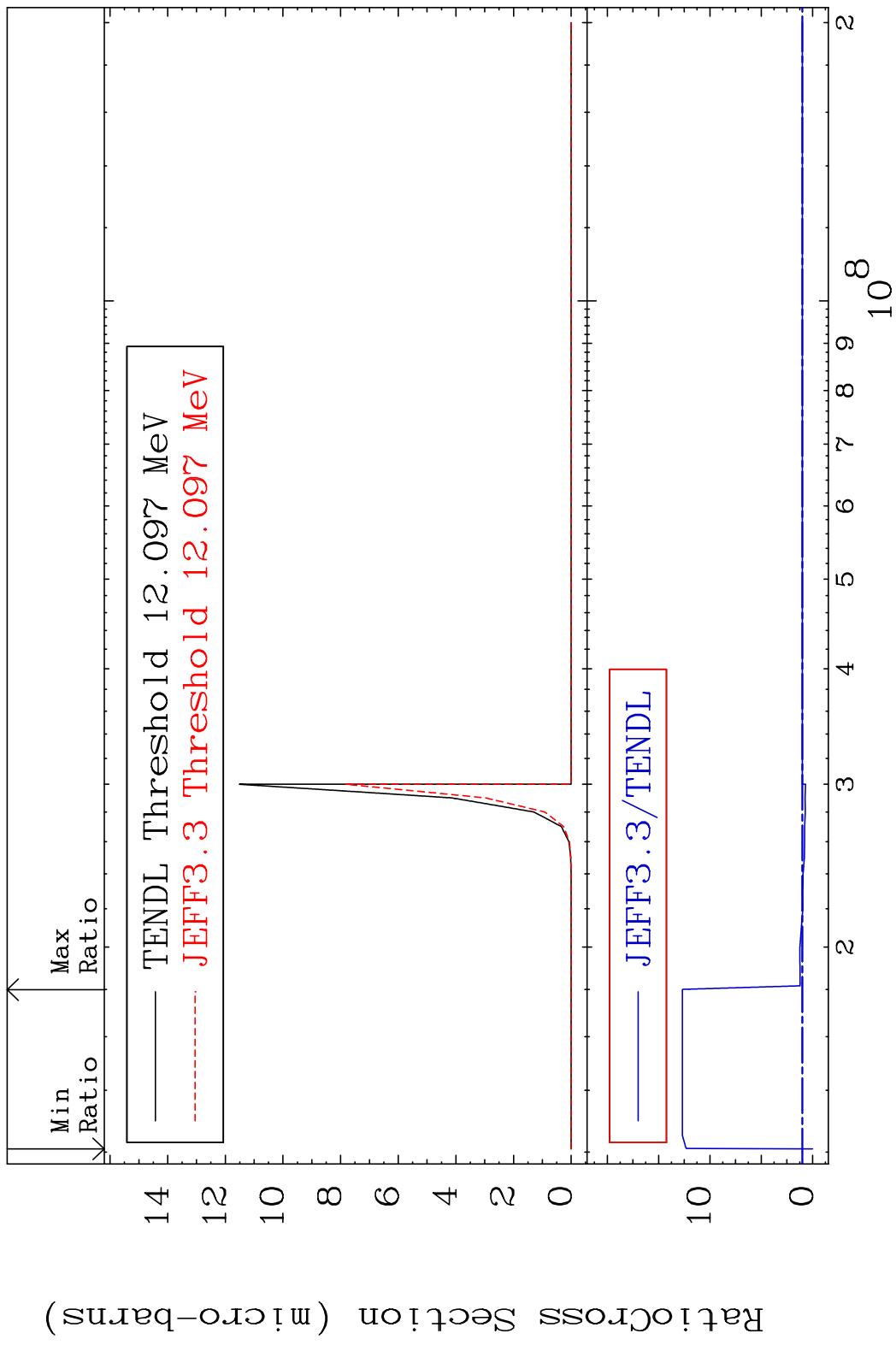


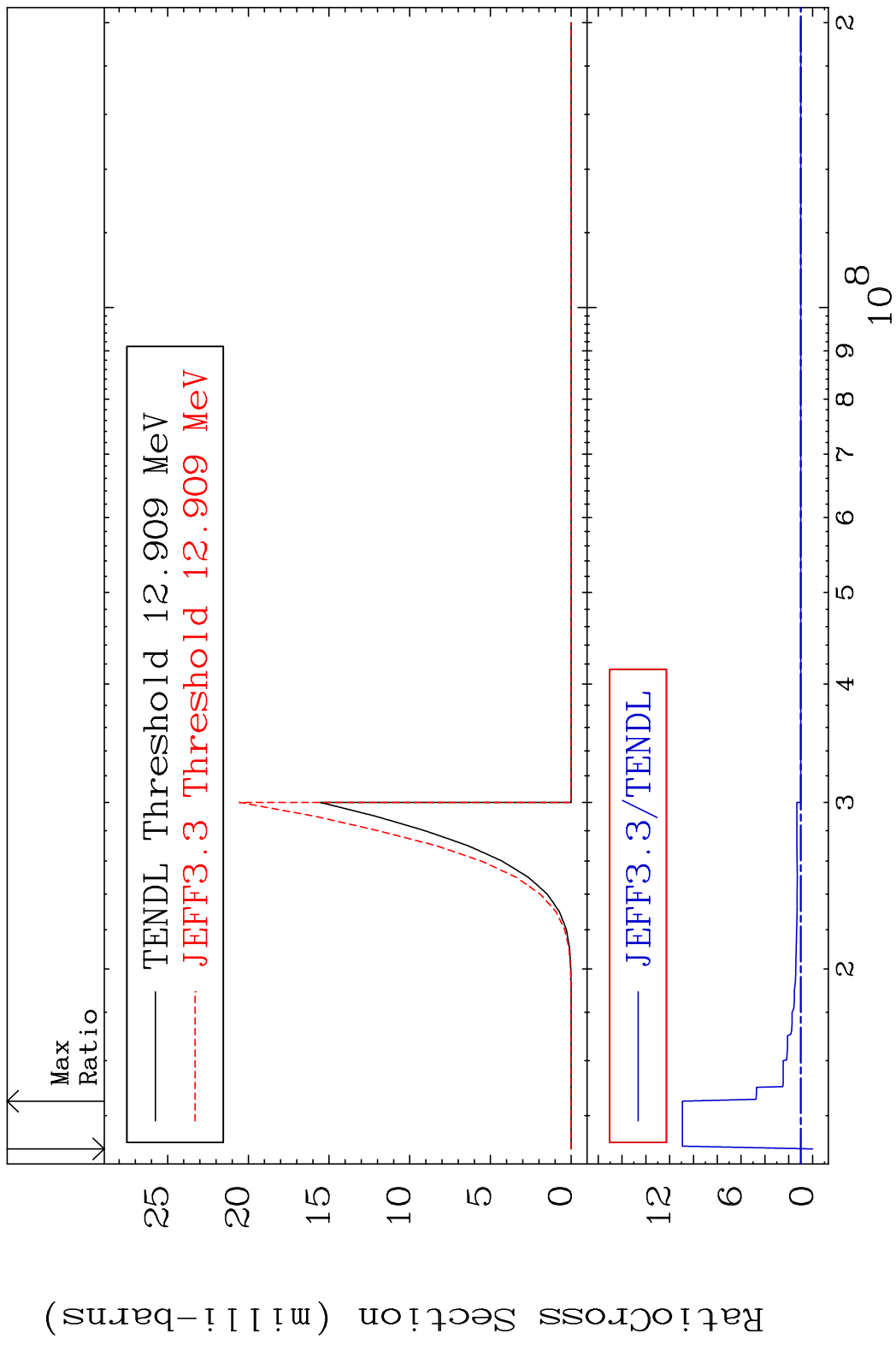


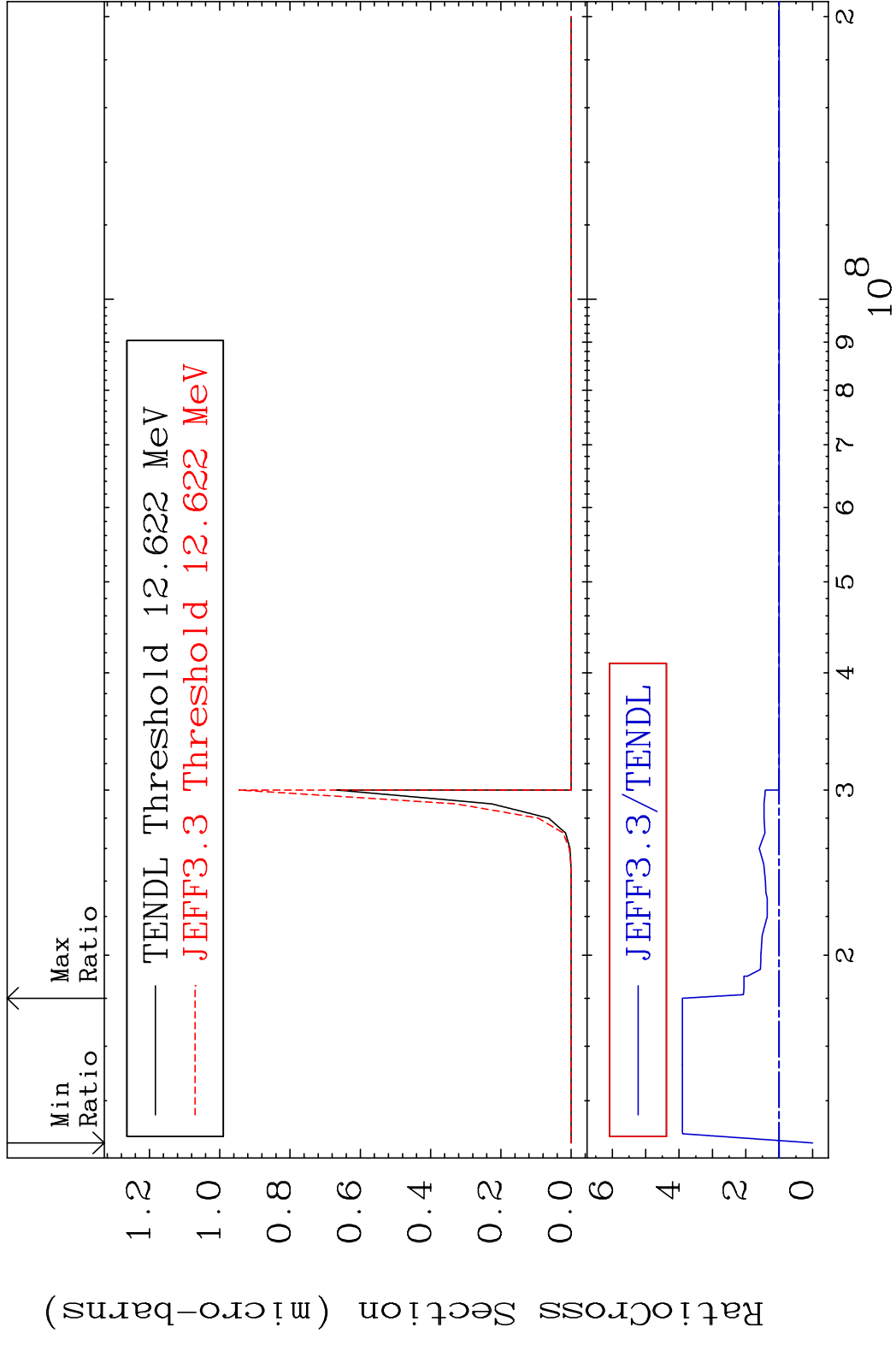


MAT 7322 (n, n') He-3:71-Lu-176g 73-Ta-179  
 Radionuclide Production Cross Section 180.0 dth 307.9 %

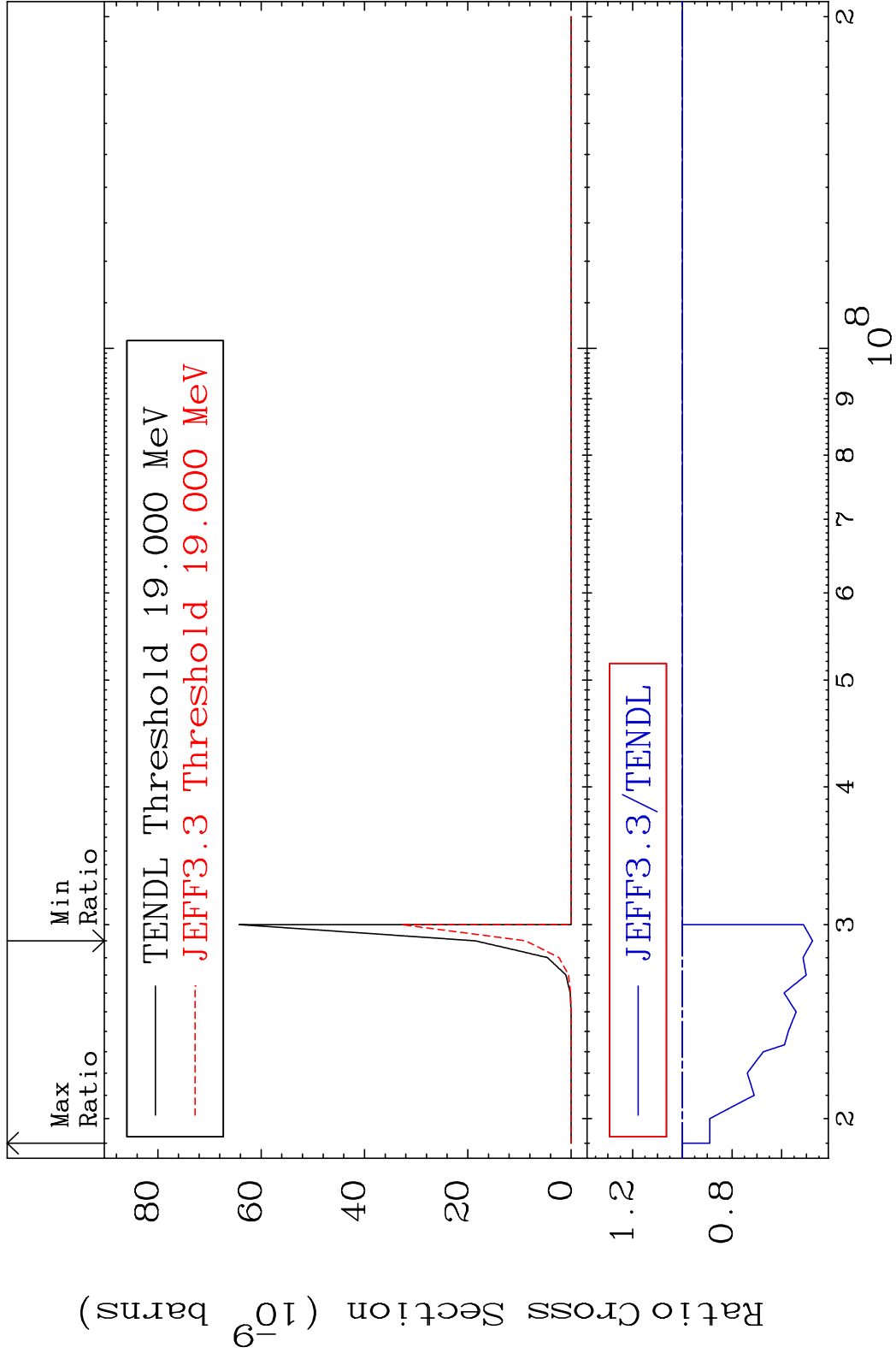




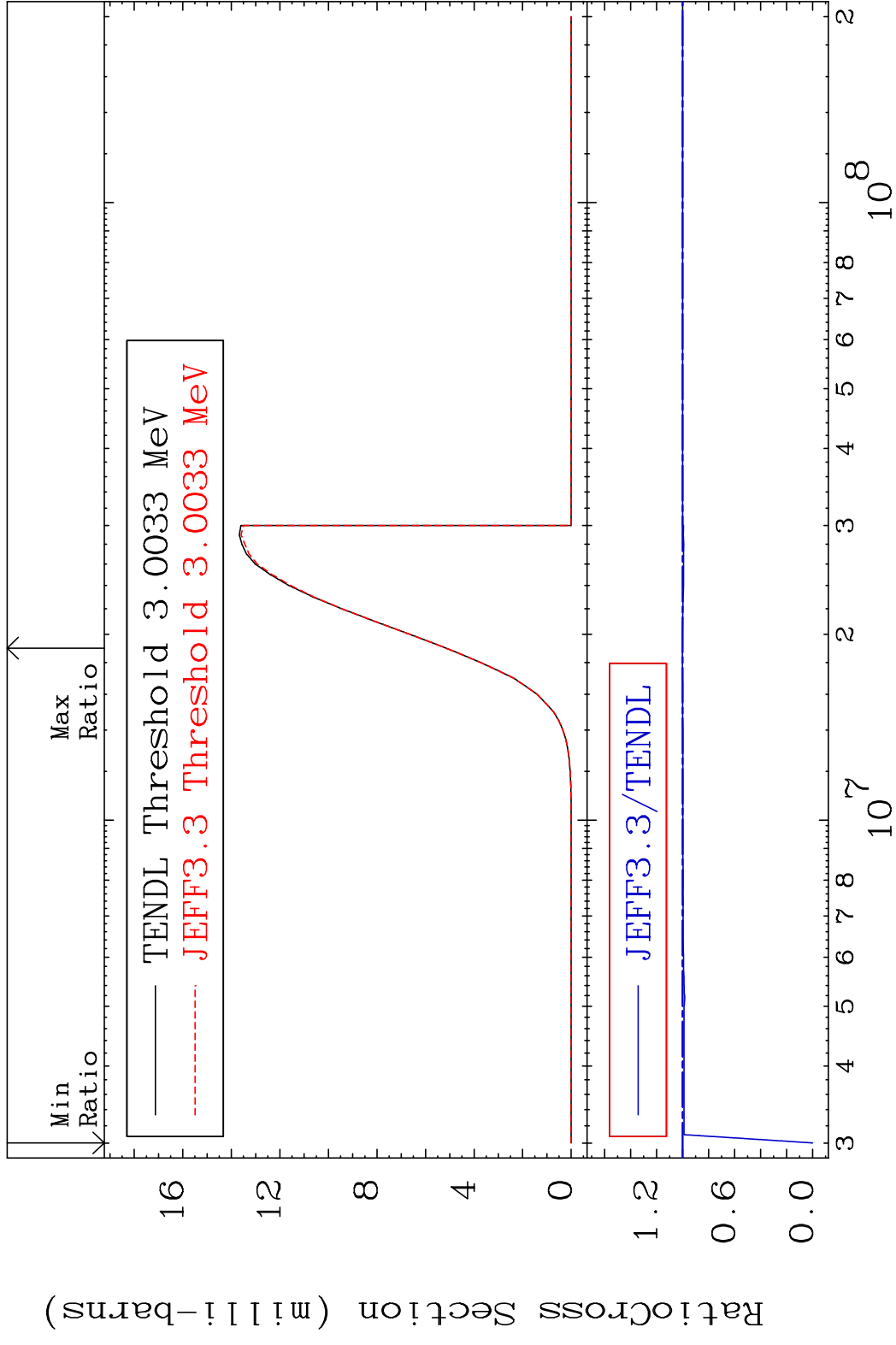


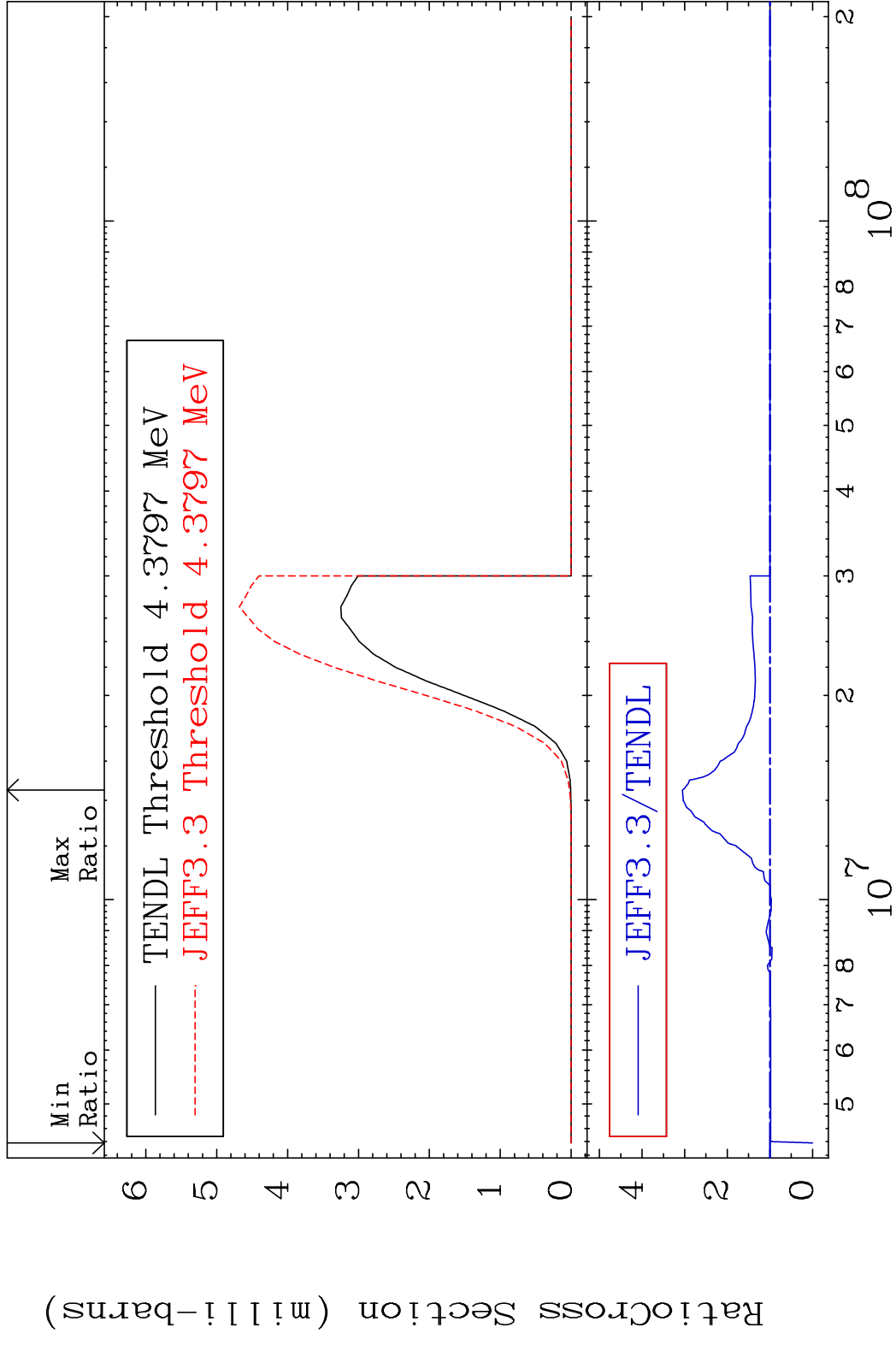


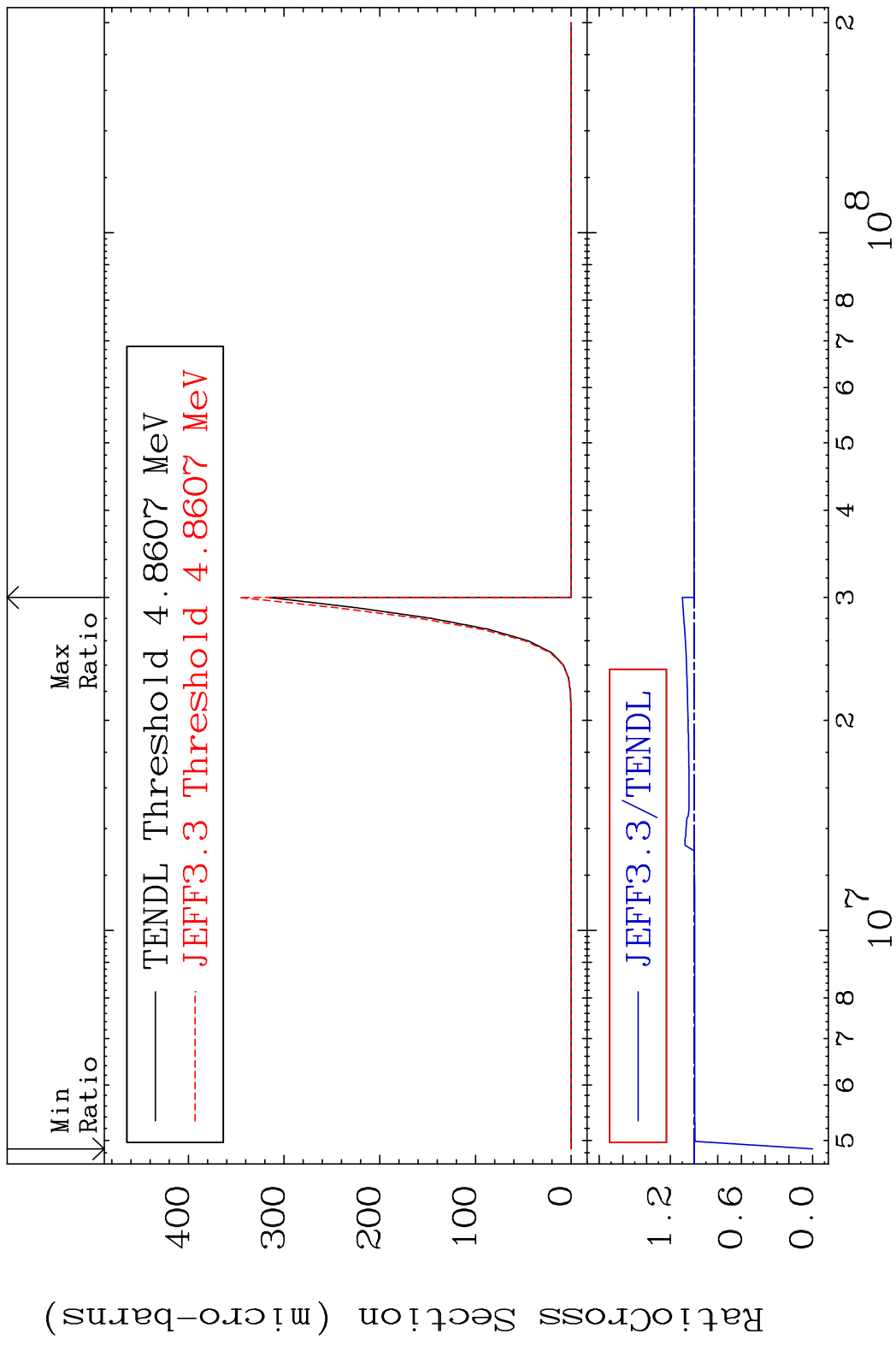
MAT 7322 (n,2n) p:71-Lu-177m29 73-Ta-179  
 Radionuclide Production Cross Section 52.42 dtd 0.000 %

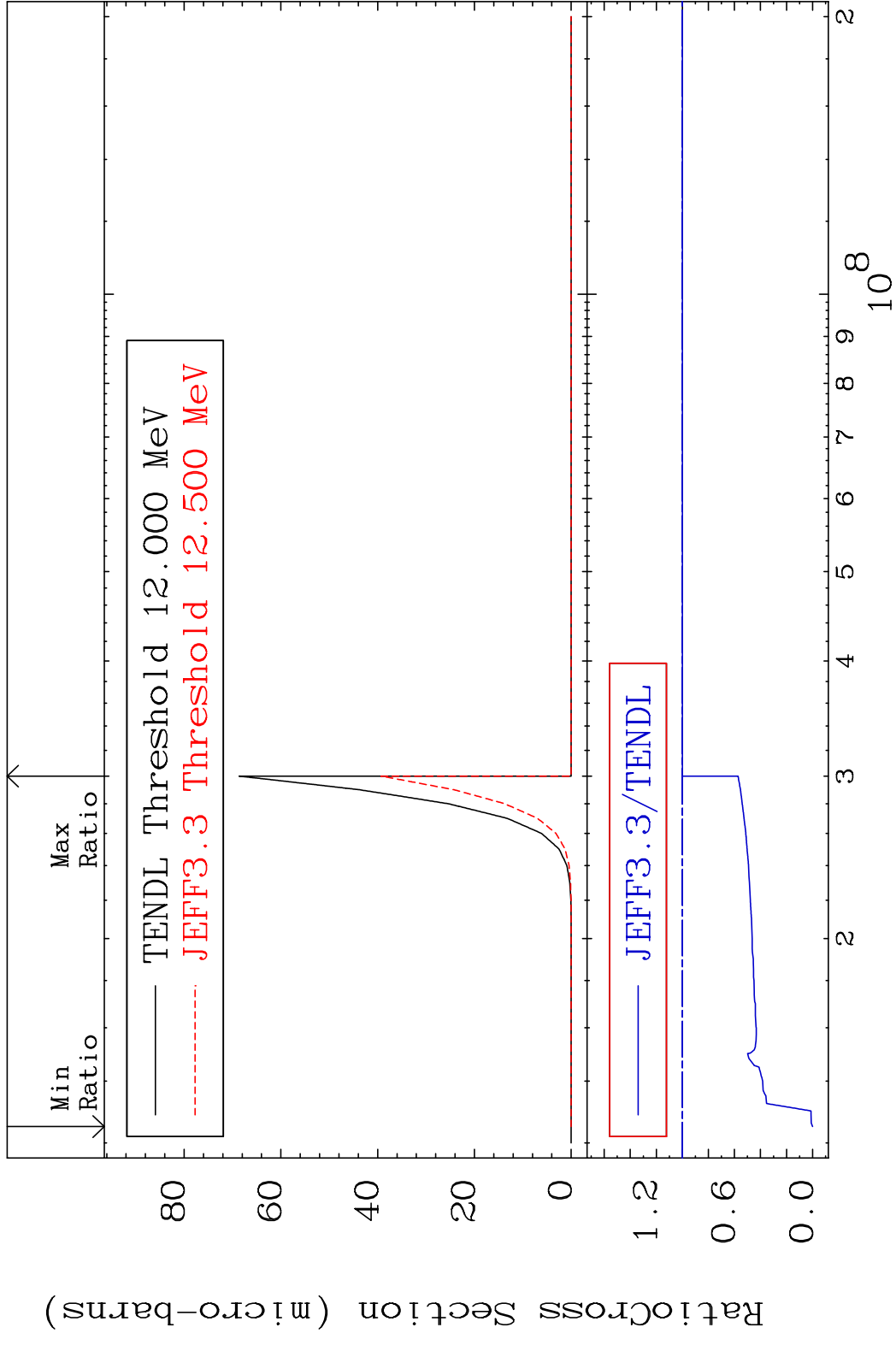


MAT 7322 (n, d): 72-Hf-178g 73-Ta-179  
 Radionuclide Production Cross Section 0.237 %









MAT 7322 (n,2p):71-Lu-178g 73-Ta-179  
 Radionuclide Production Cross Section 46.37 %

