

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

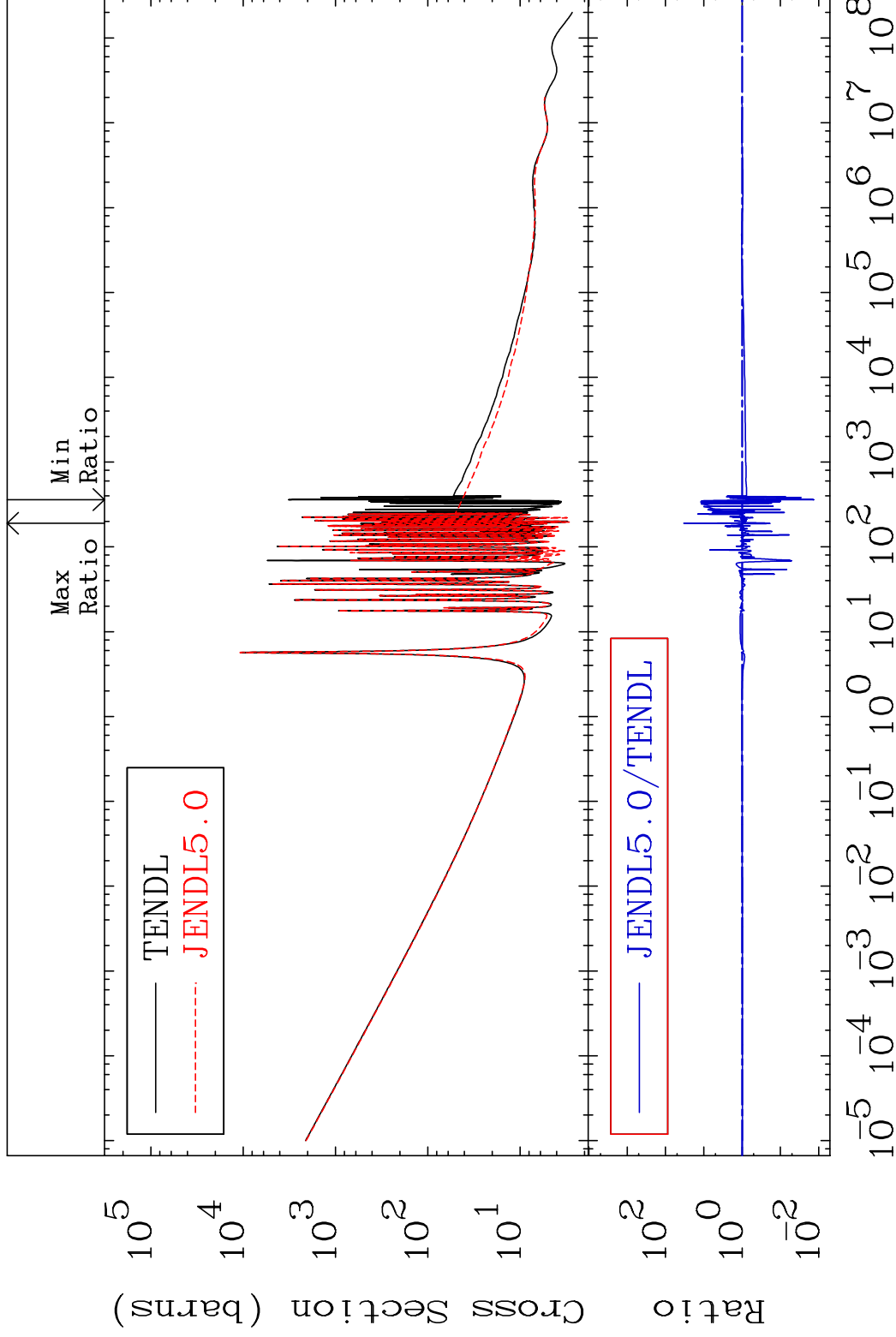
MAT 7240

Total

72-Hf-179

Cross Section

-98.68 To 3260. %



1

Incident Energy (eV)

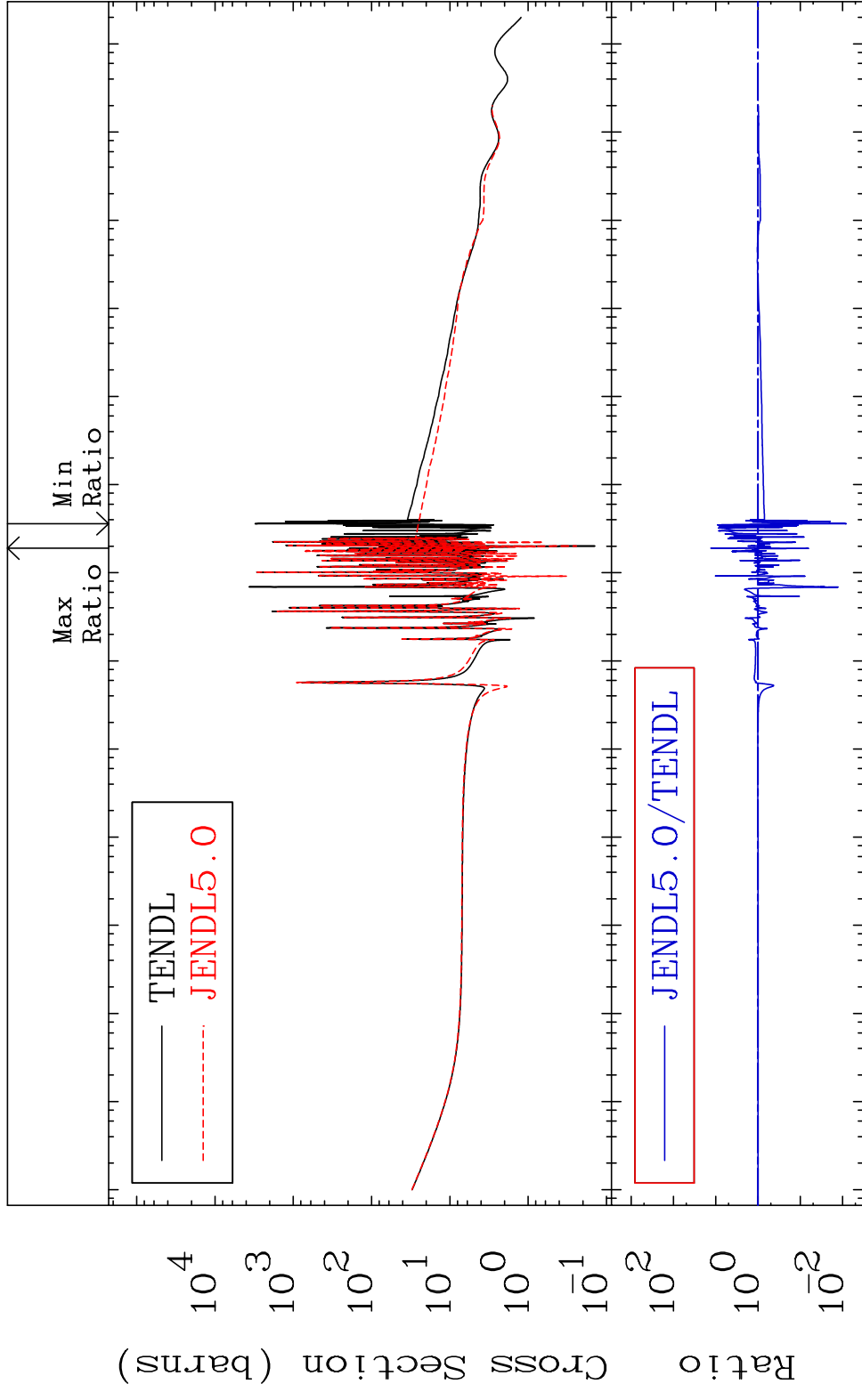
72-Hf-179

MAT 7240

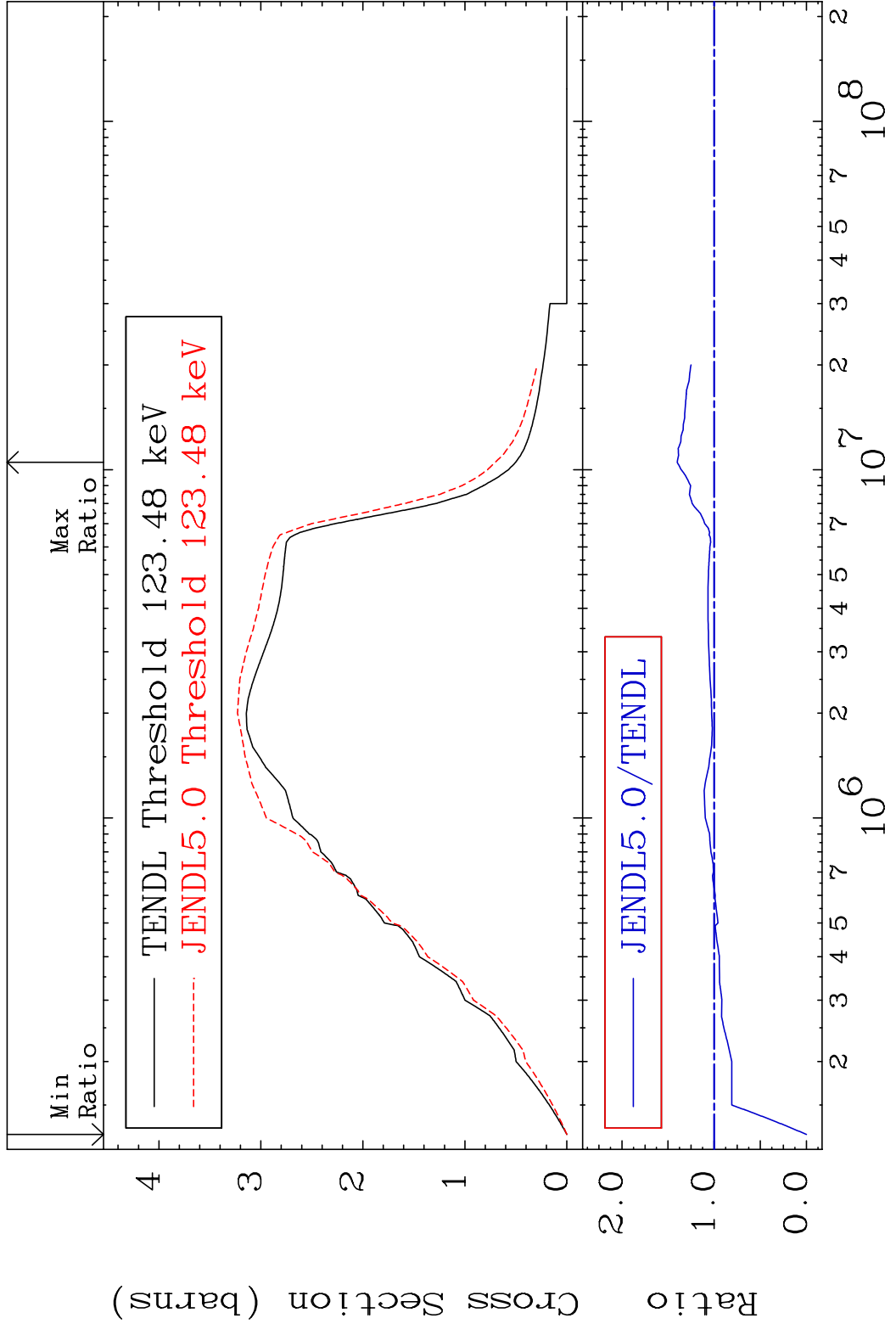
Elastic

72-Hf-179

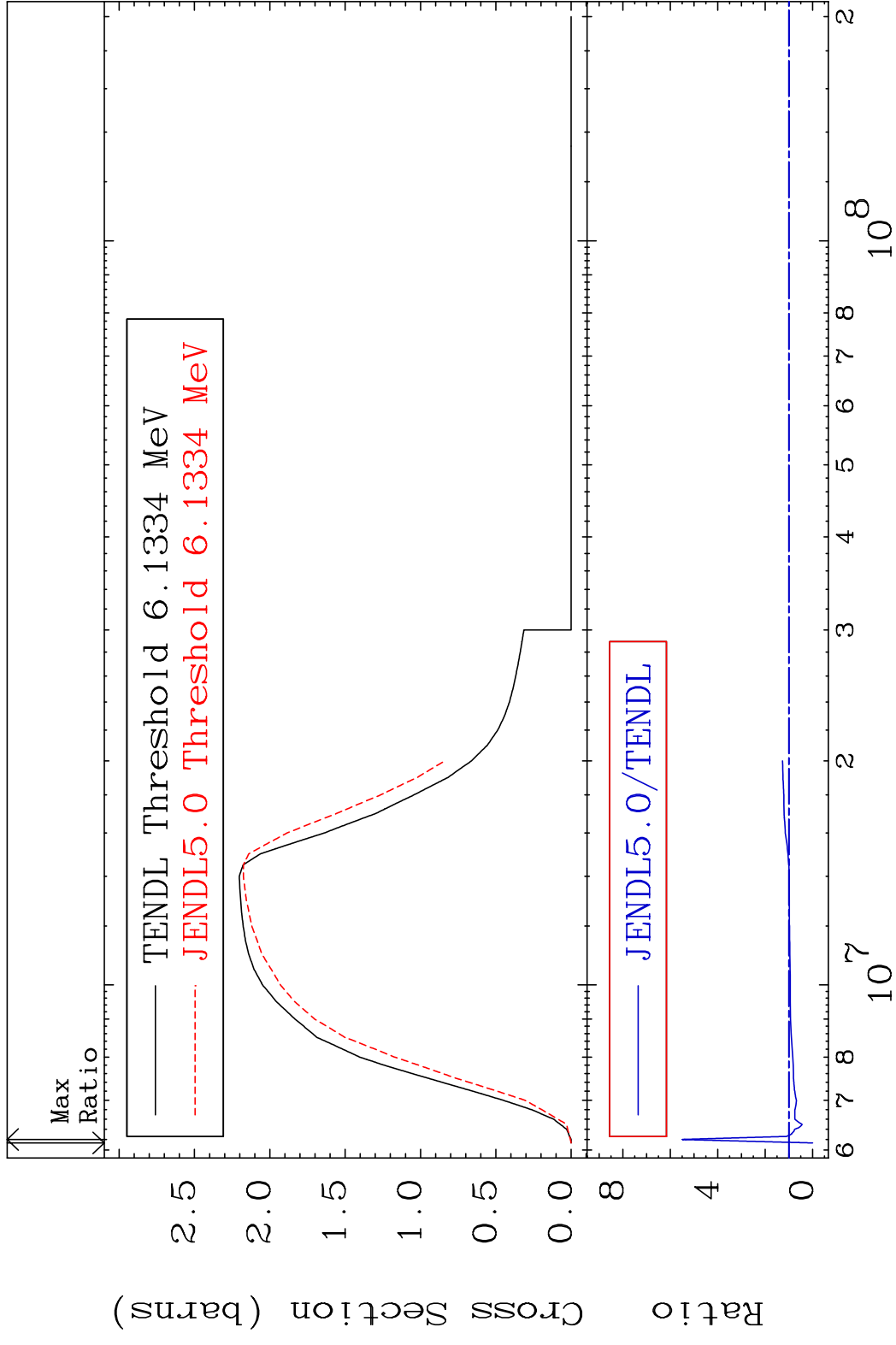
Cross Section -99.18 To 1219. %



MAT 7240 Inelastic Cross Section -100.0 To 40.08 % 72-Hf-179



MAT 7240 (n,2n) 72-Hf-179  
 Cross Section -100.0 To 449.0 %



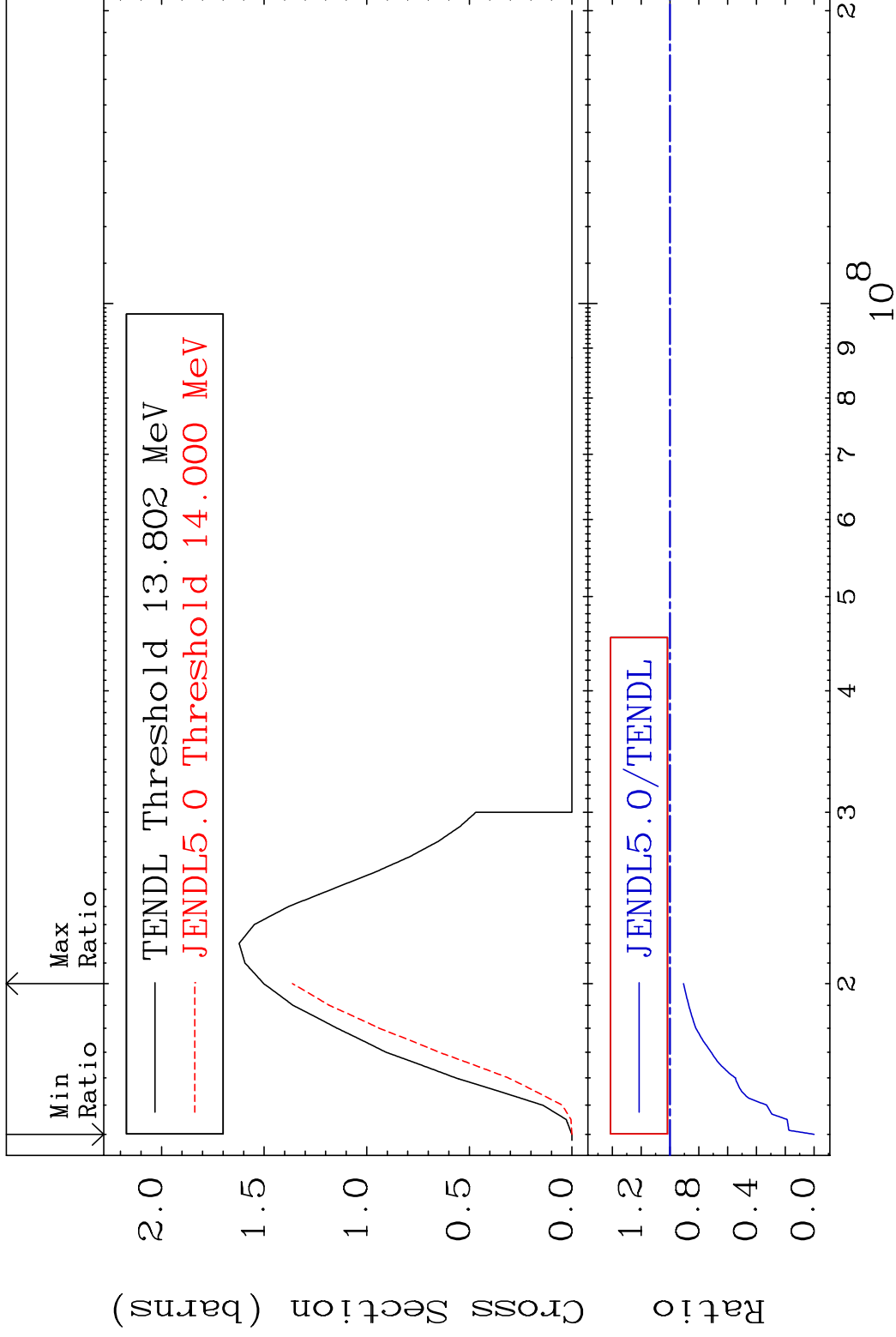
4 6 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2  
 Incident Energy (eV) 72-Hf-179

MAT 7240

(n,3n)

72-Hf-179

Cross Section -100.0 To -9.343%



5

Incident Energy (eV)

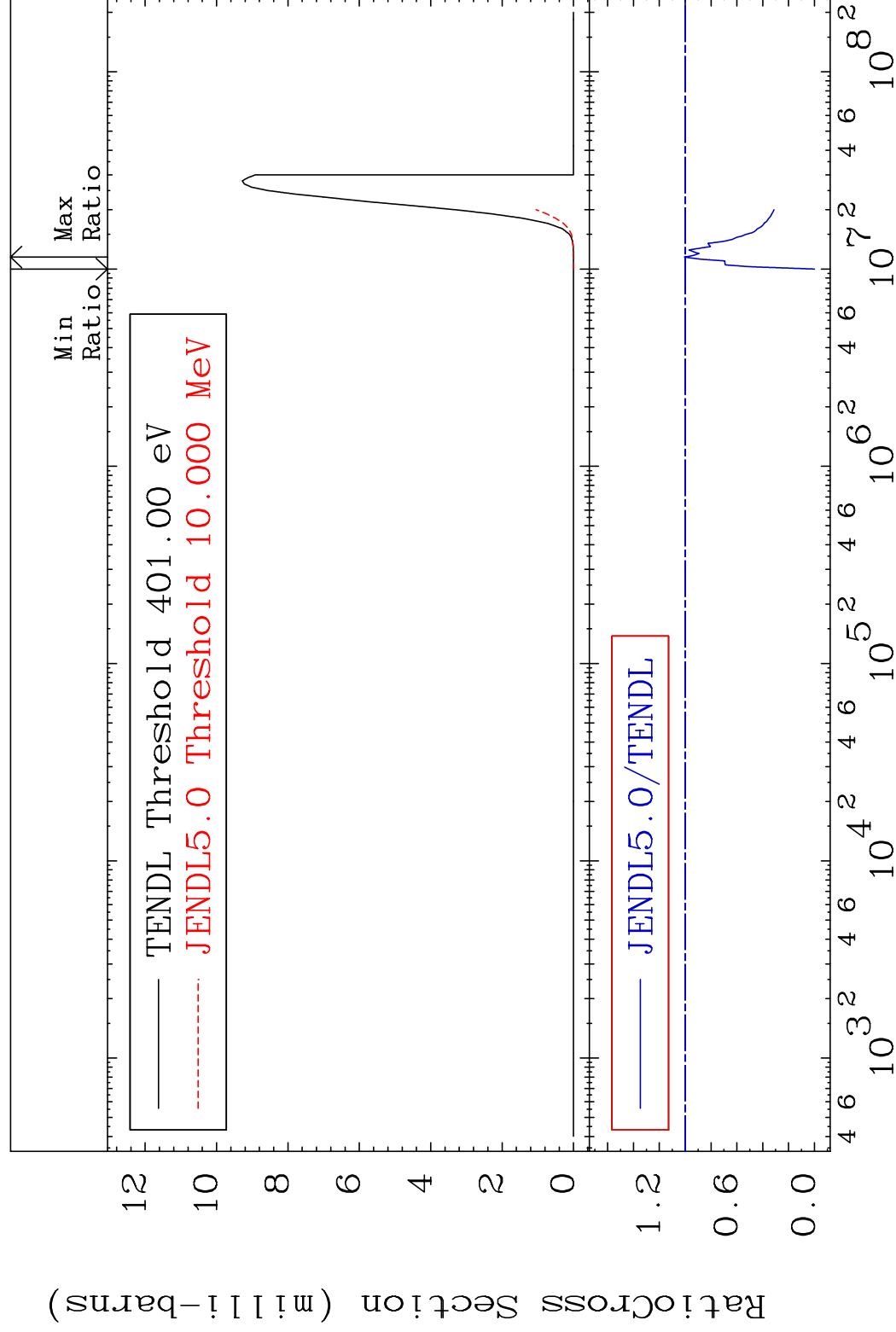
72-Hf-179

MAT 7240

(n, n')  $\alpha$

72-Hf-179

Cross Section -100.0 To 0.555 %



6

Incident Energy (eV)

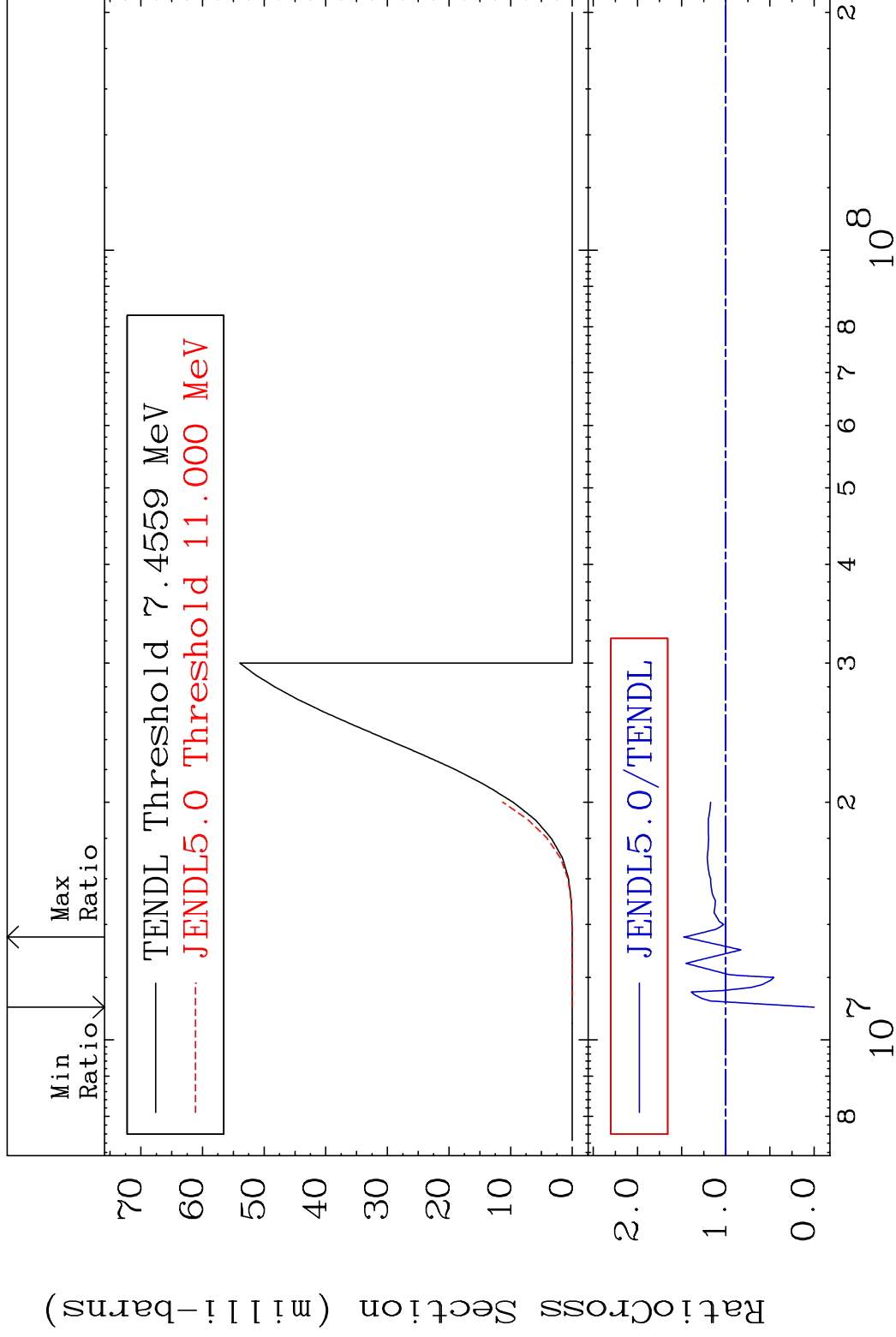
72-Hf-179

MAT 7240

(n, n') p

72-Hf-179

Cross Section -100.0 To 47.68 %



7

Incident Energy (eV)

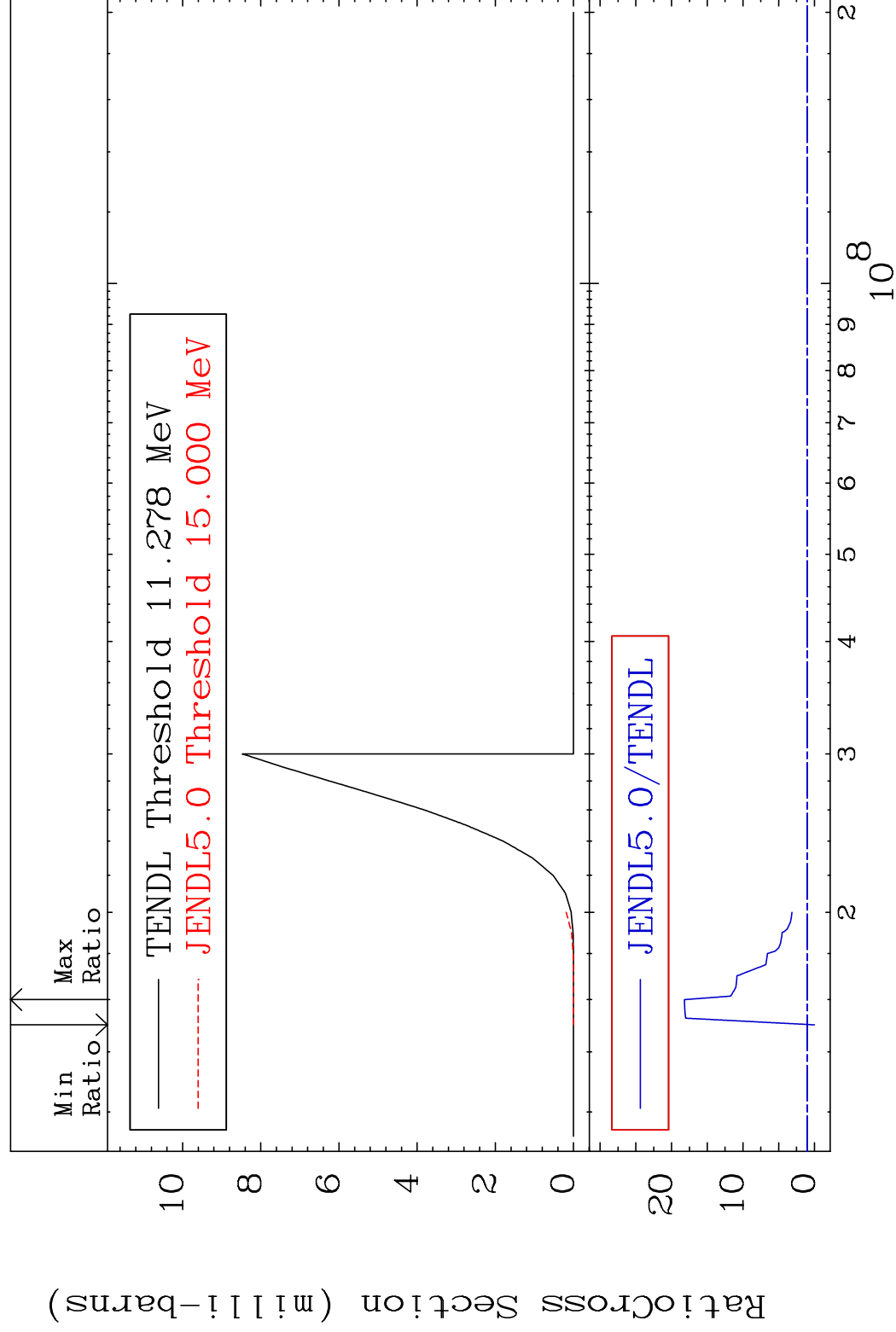
72-Hf-179

MAT 7240

(n, n') d

72-Hf-179

Cross Section -100.0 To 1719. %

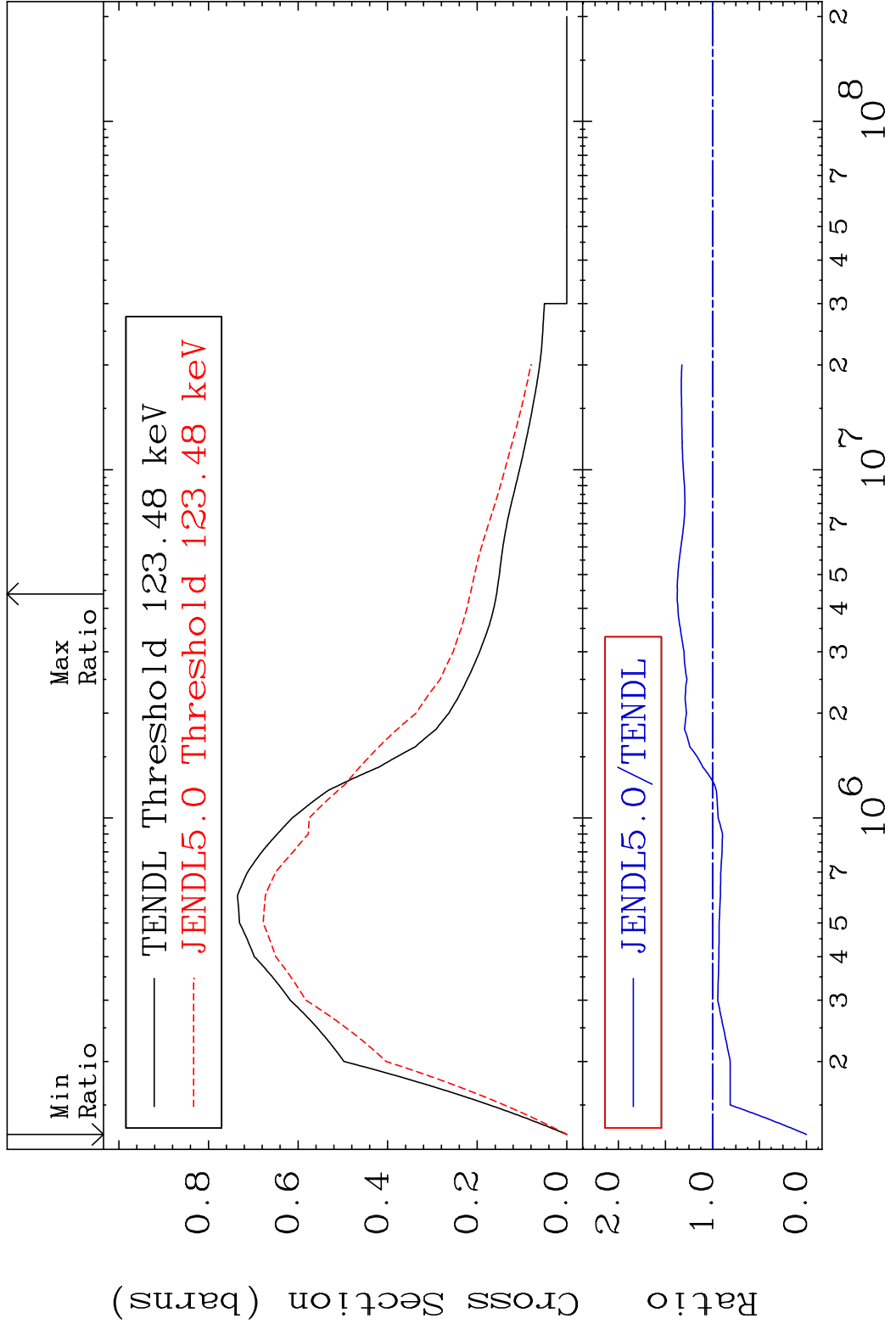


8

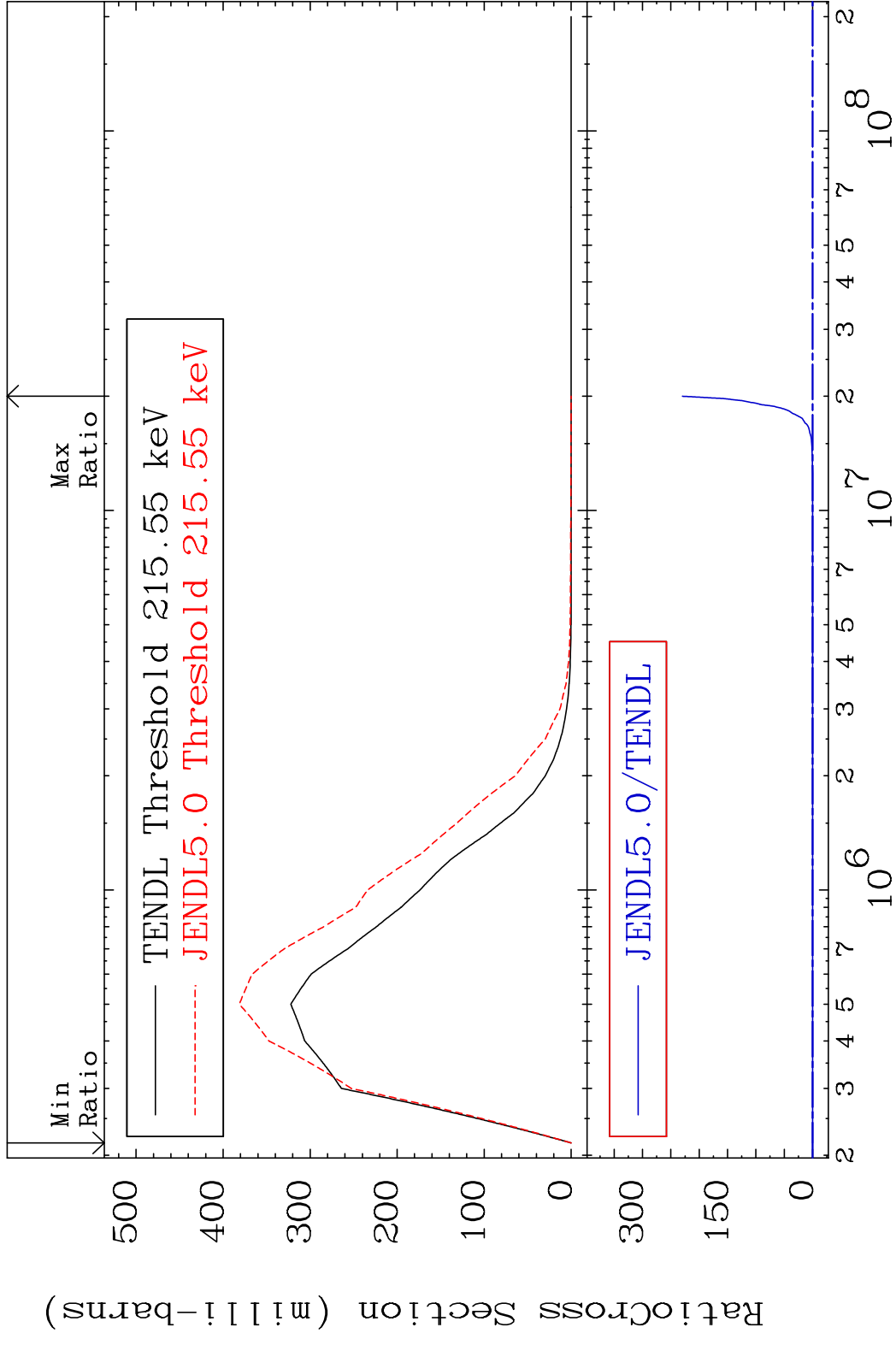
Incident Energy (eV)

72-Hf-179

MAT 7240 MT= 51 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 37.52 %

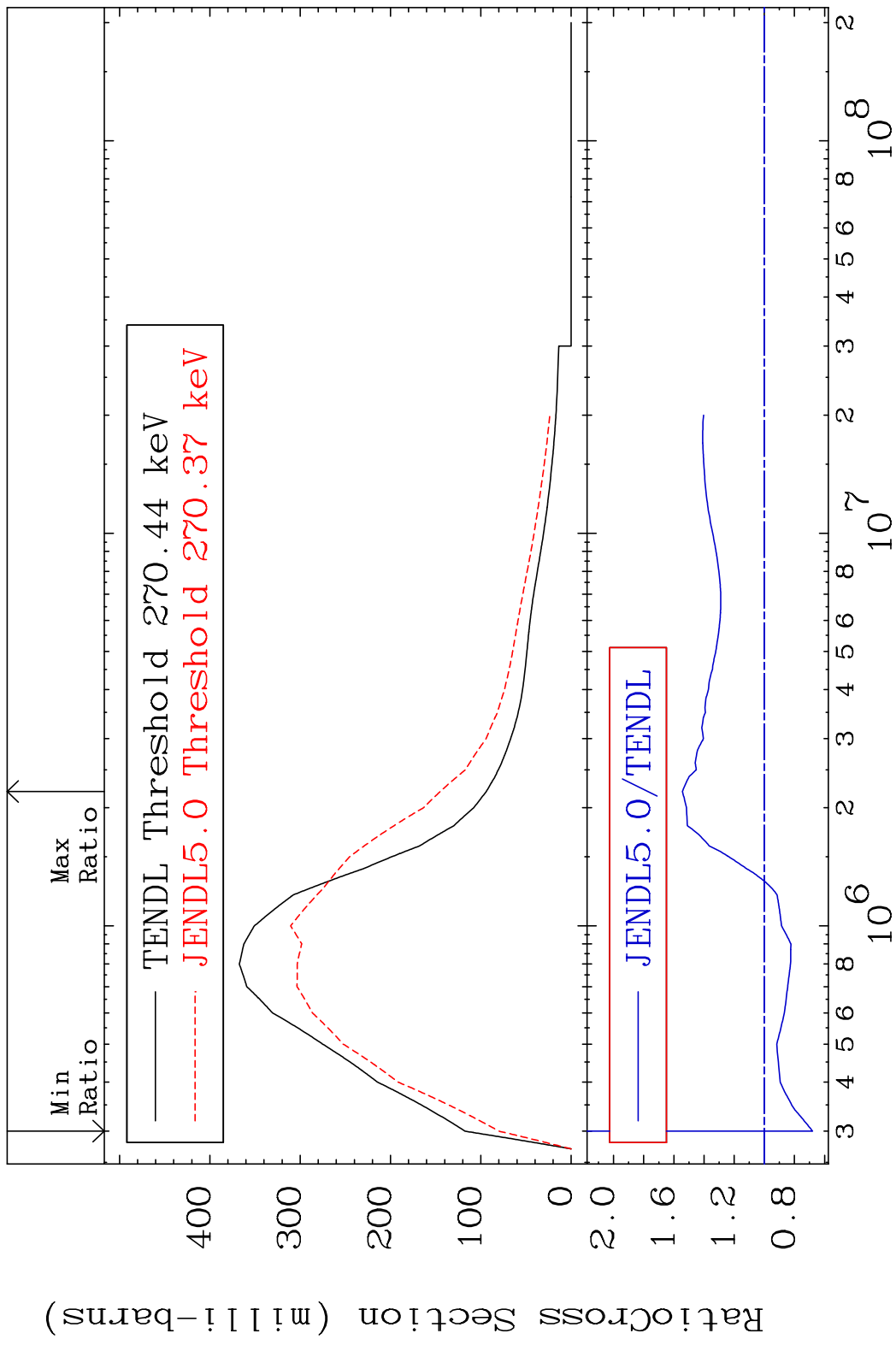


MAT 7240 MT= 52 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

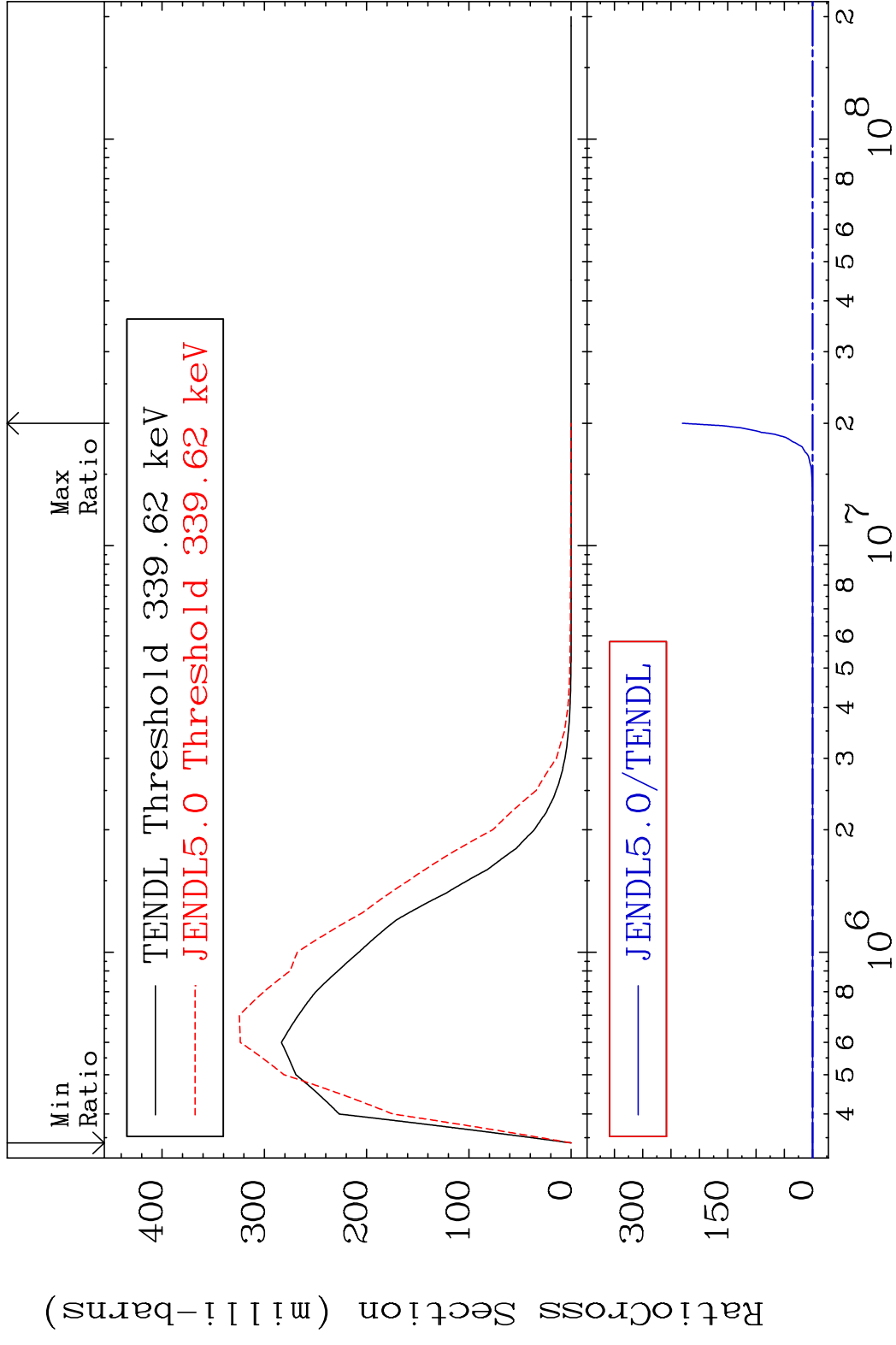


10 Incident Energy (eV) 72-Hf-179

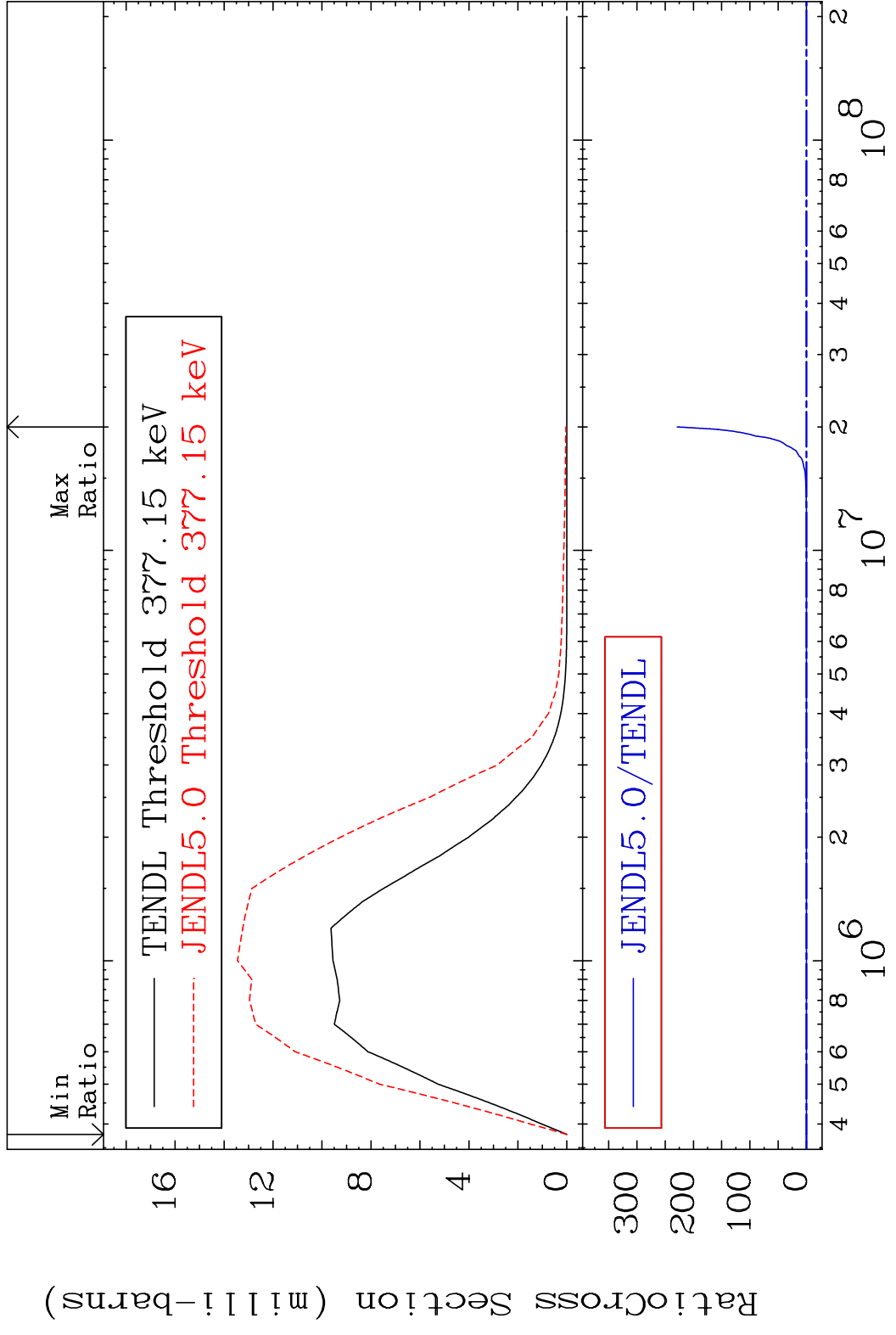
MAT 7240 MT= 53 (n, n') Level 72-Hf-179  
 Cross Section -32.02 To 54.36 %



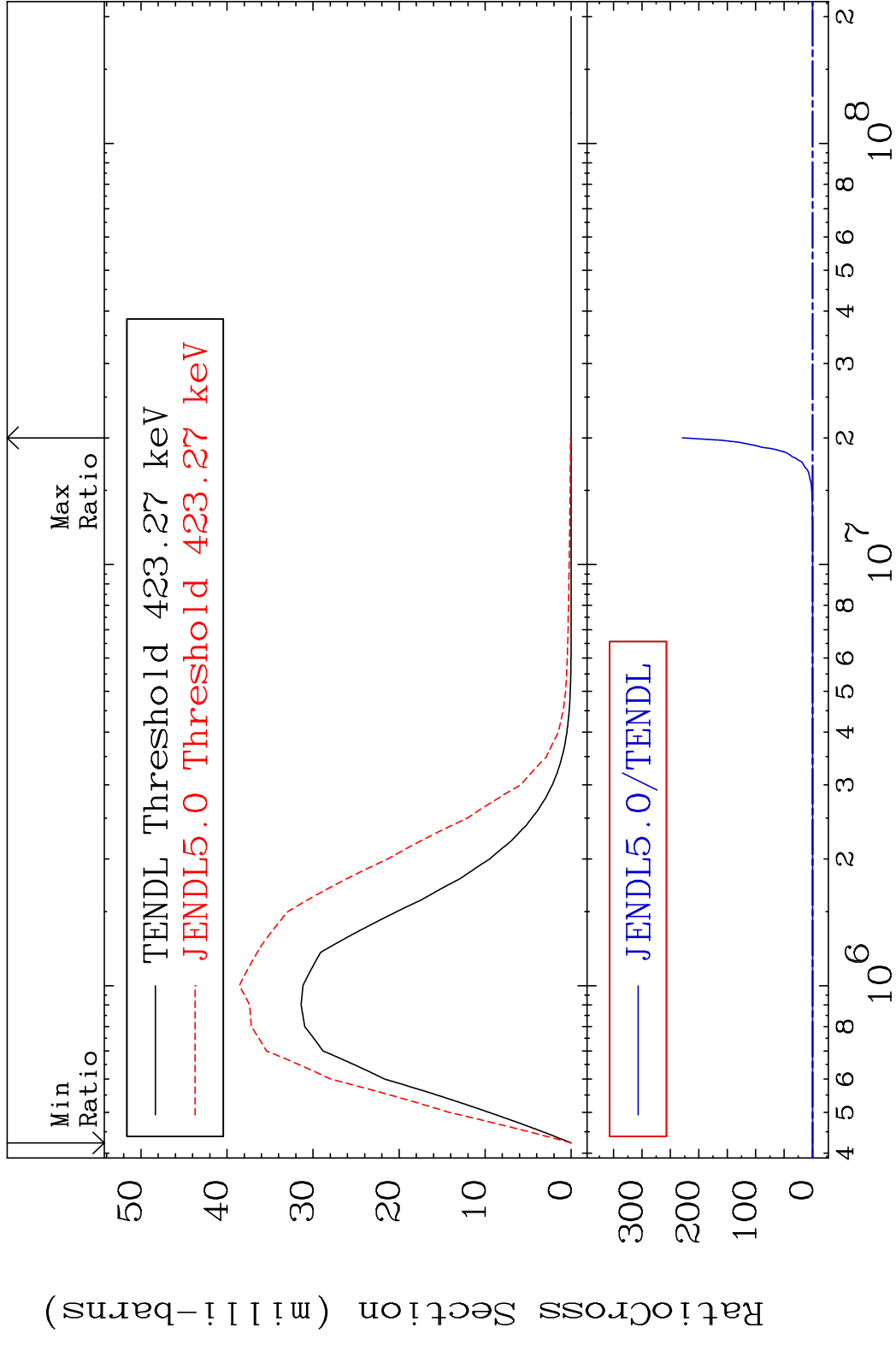
MAT 7240 MT= 54 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



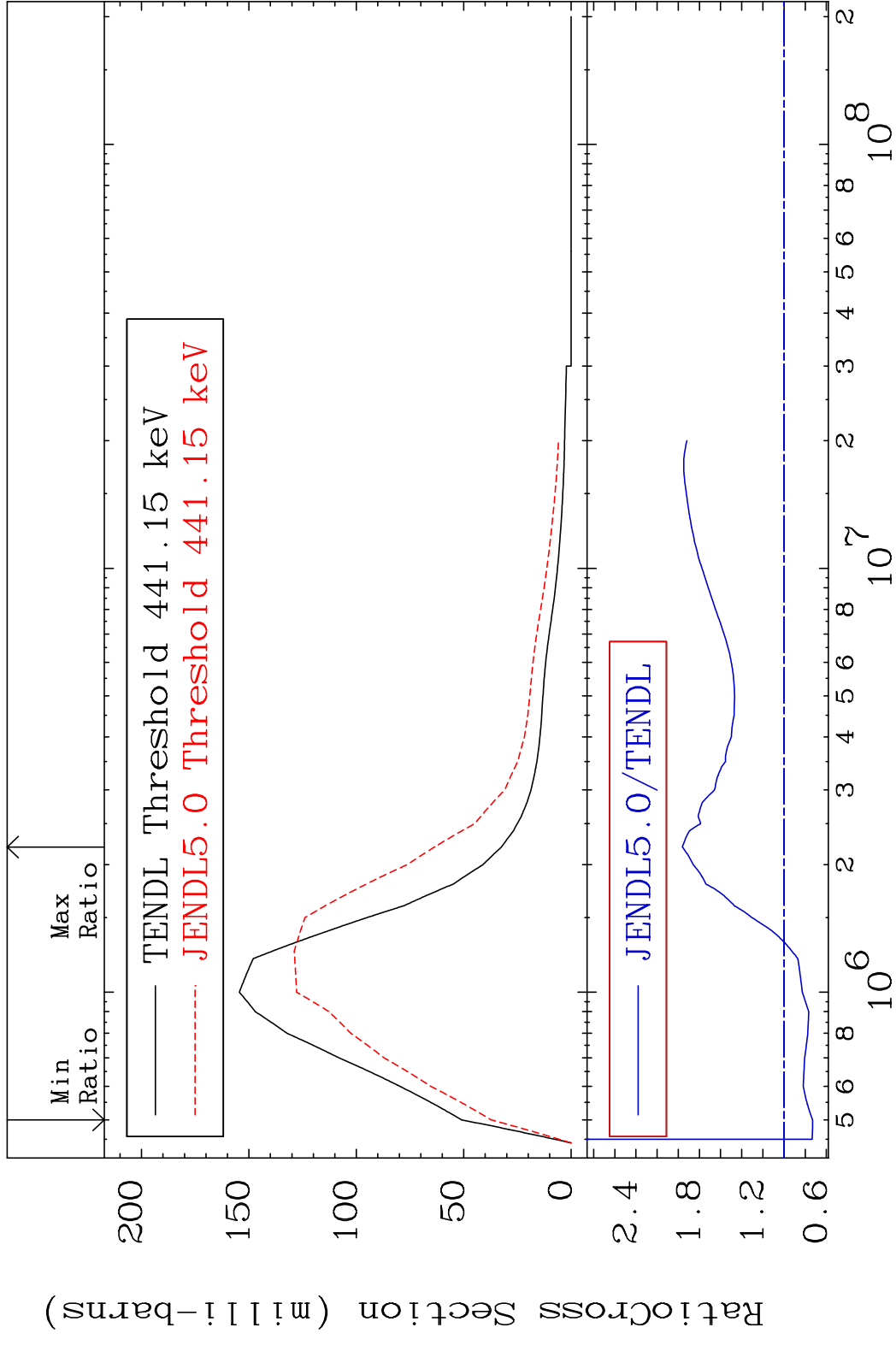
MAT 7240 MT= 55 (n,n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



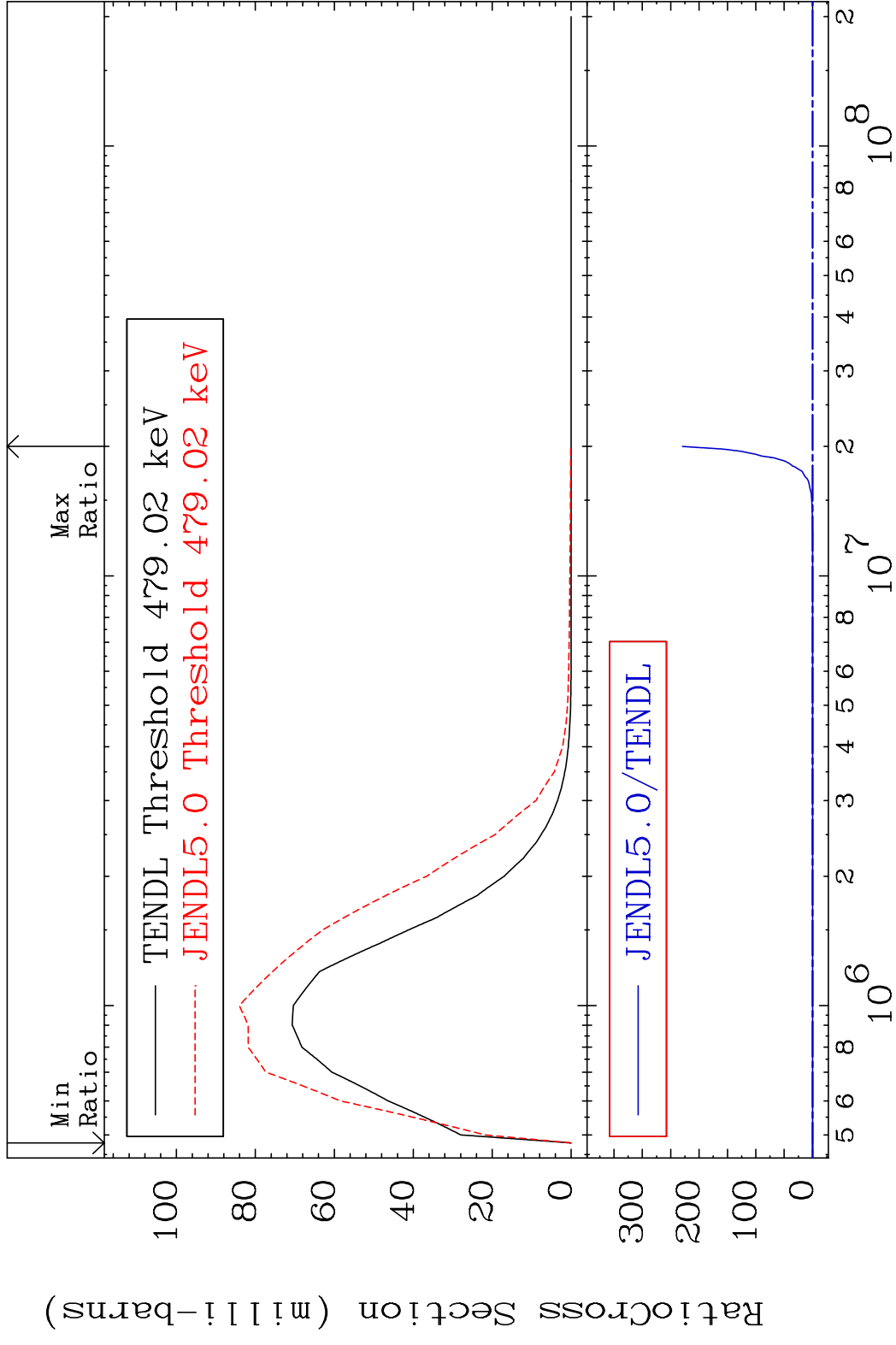
MAT 7240 MT= 56 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



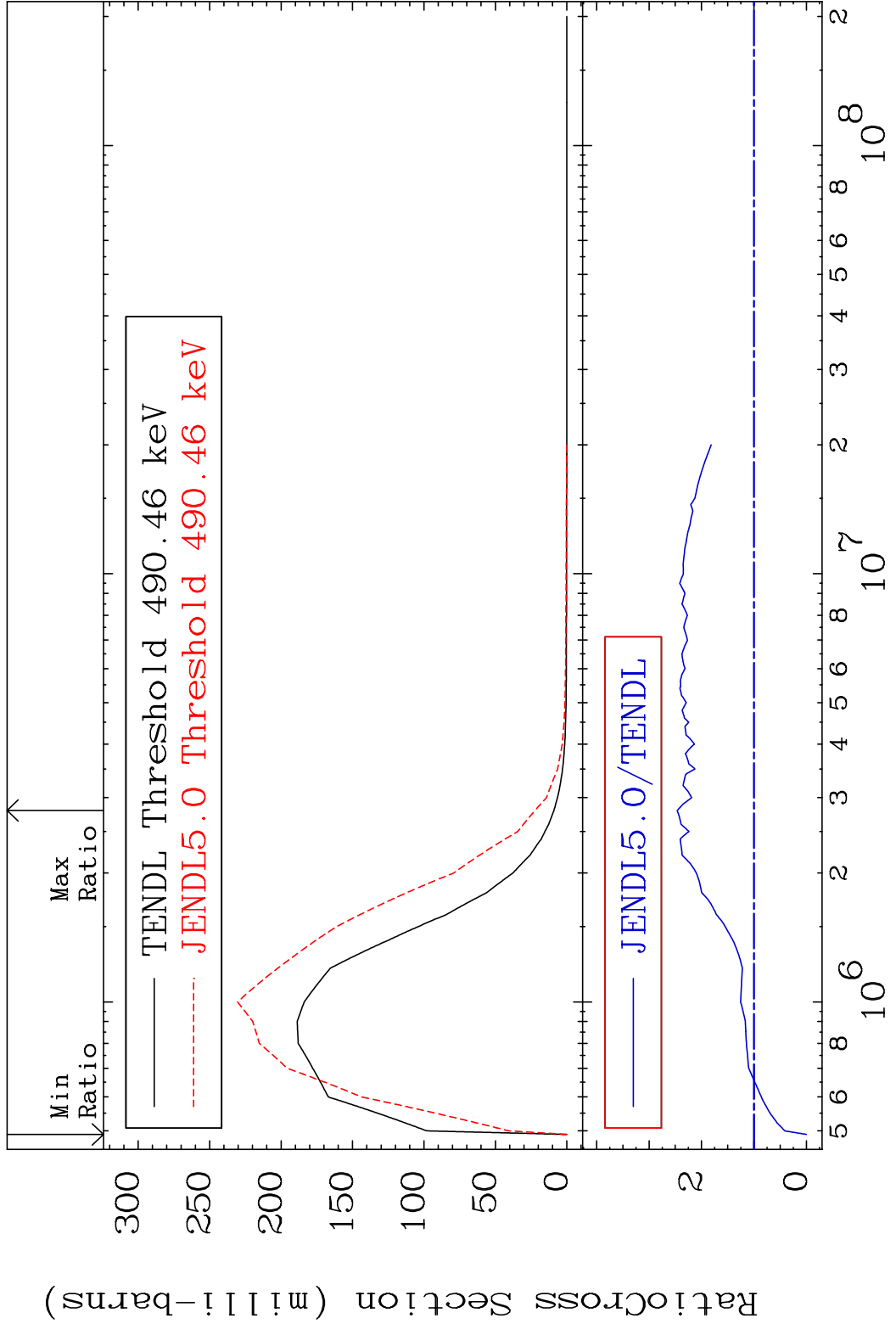
MAT 7240 MT= 57 (n, n') Level 72-Hf-179  
 Cross Section -26.94 To 96.14 %



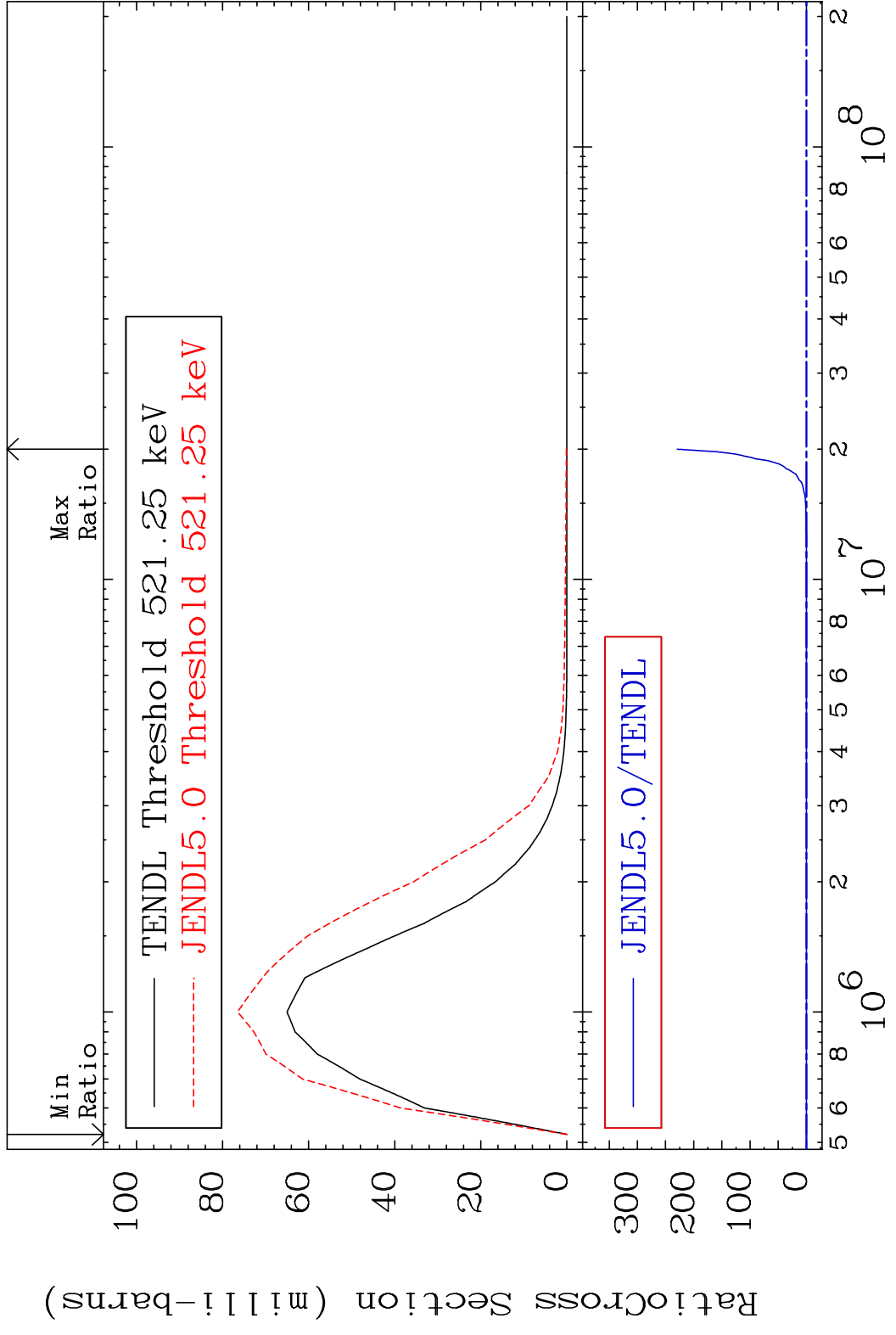
MAT 7240 MT= 58 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



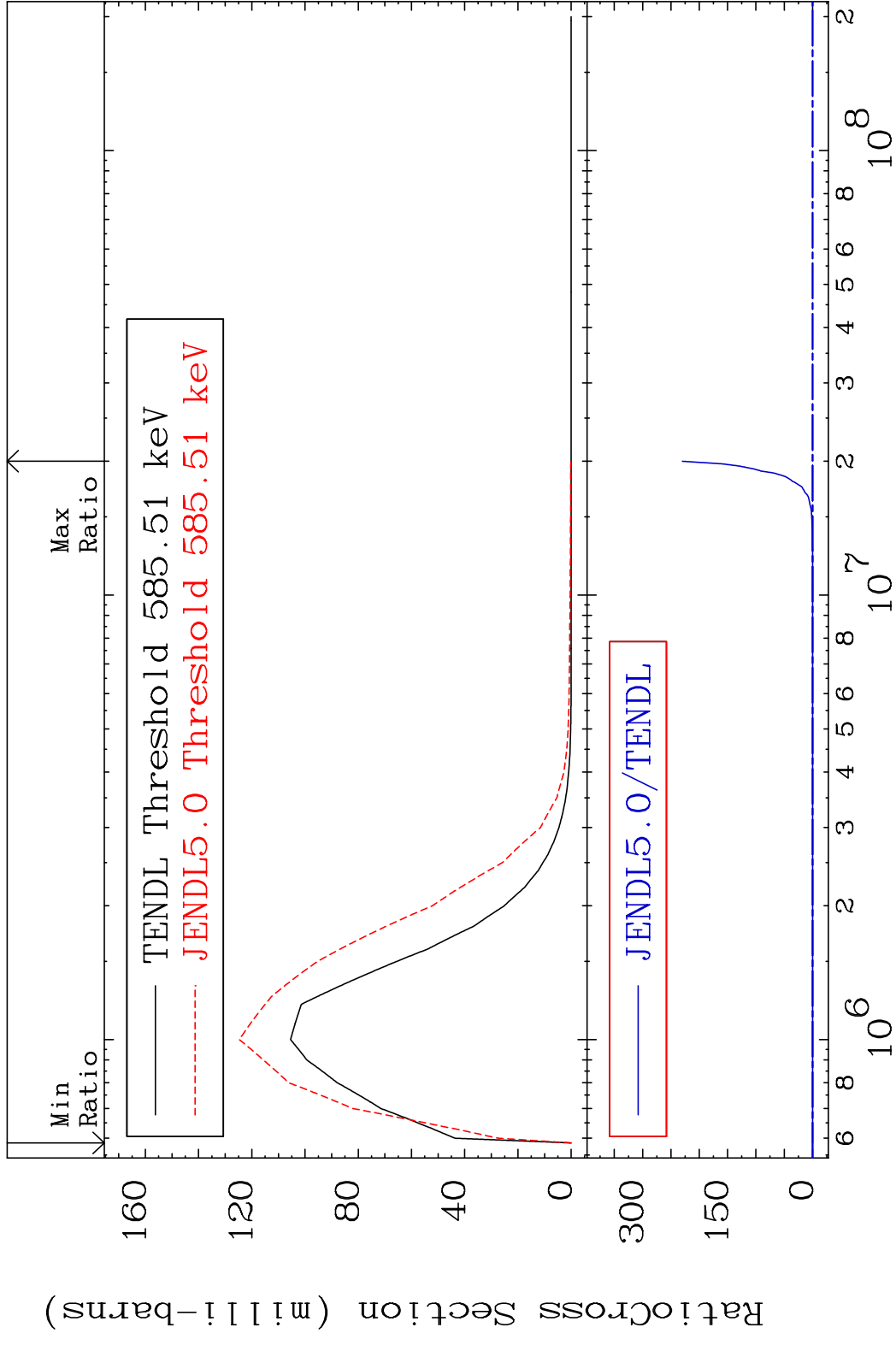
MAT 7240 MT= 59 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 146.4 %



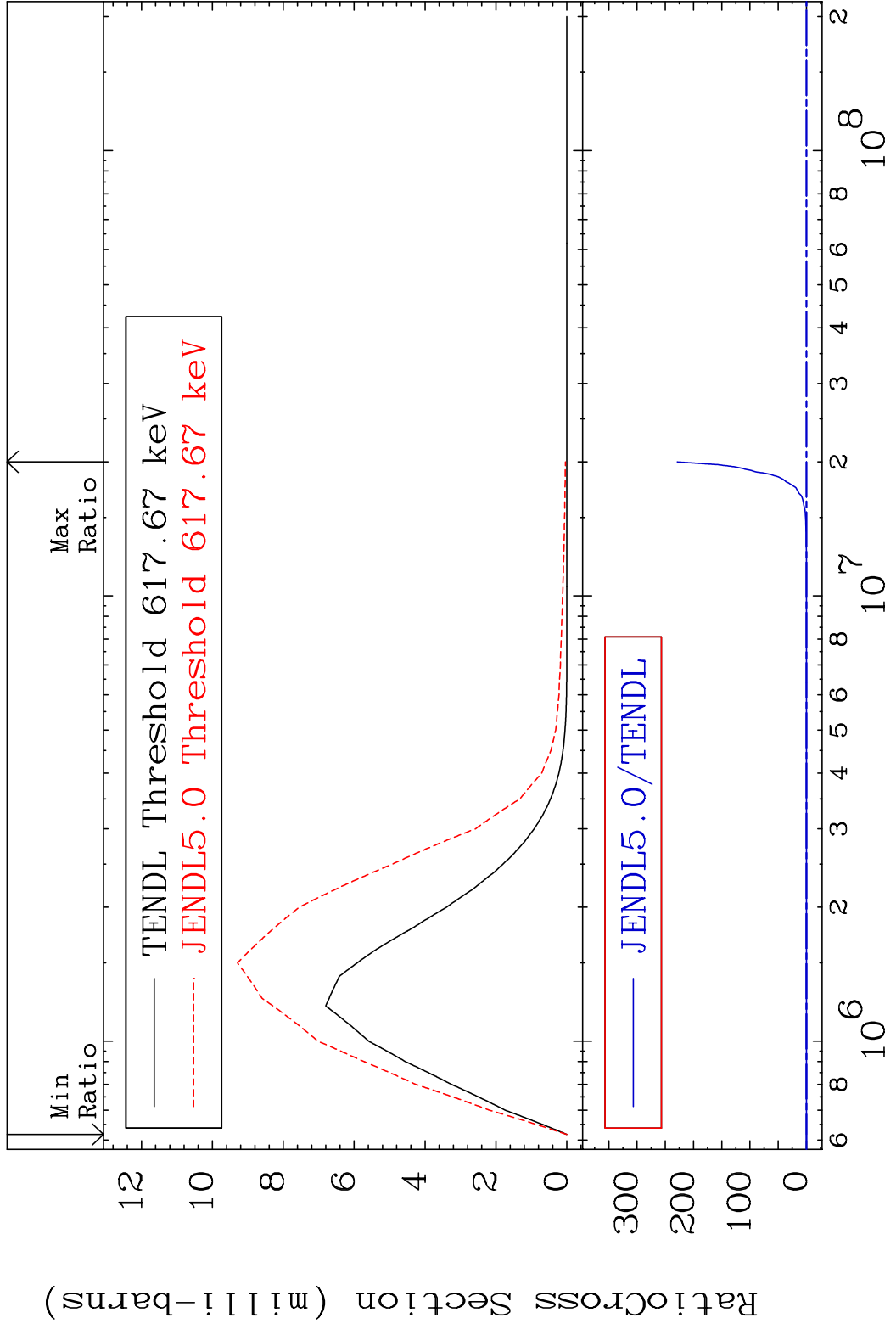
MAT 7240 MT= 60 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



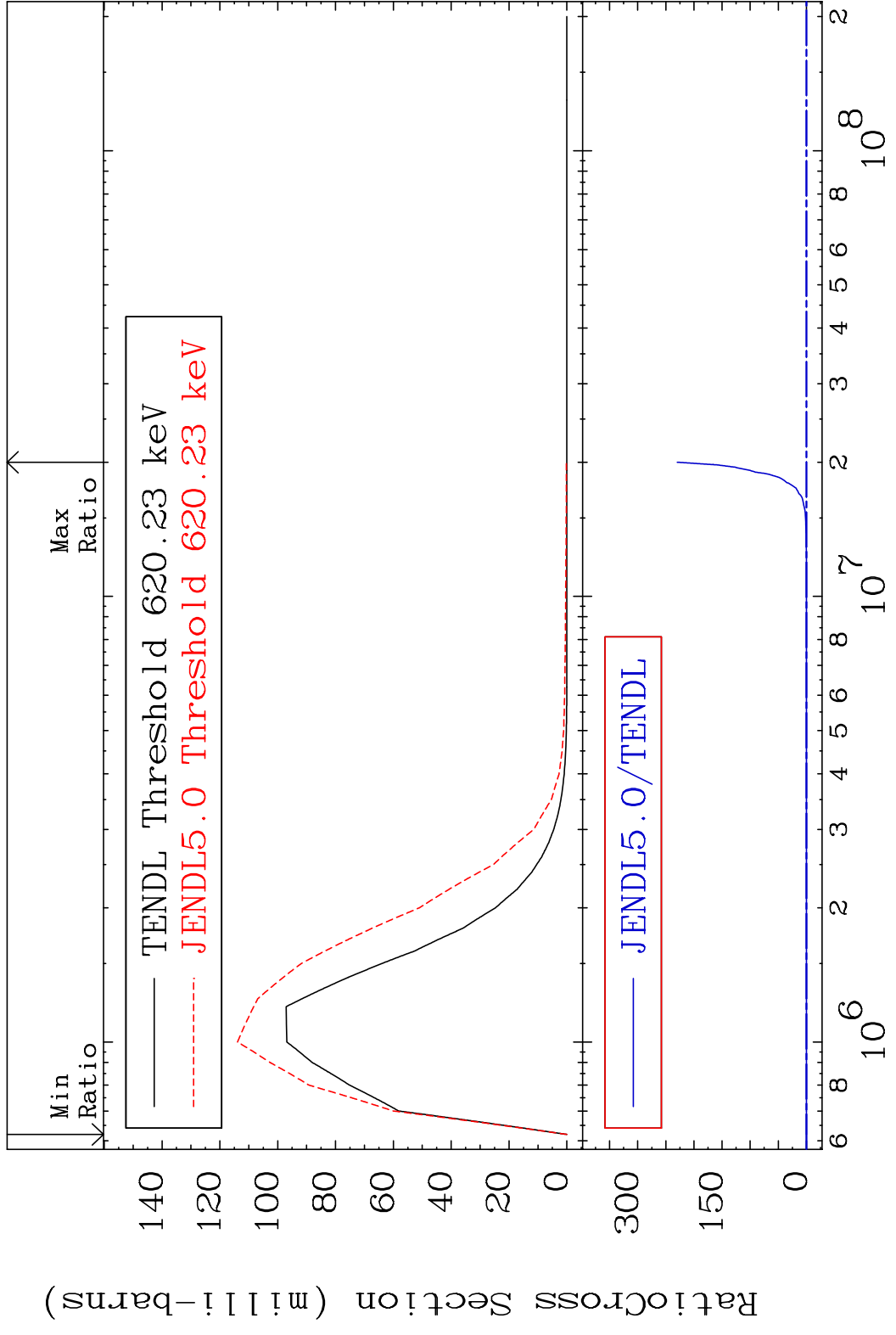
MAT 7240 MT= 61 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



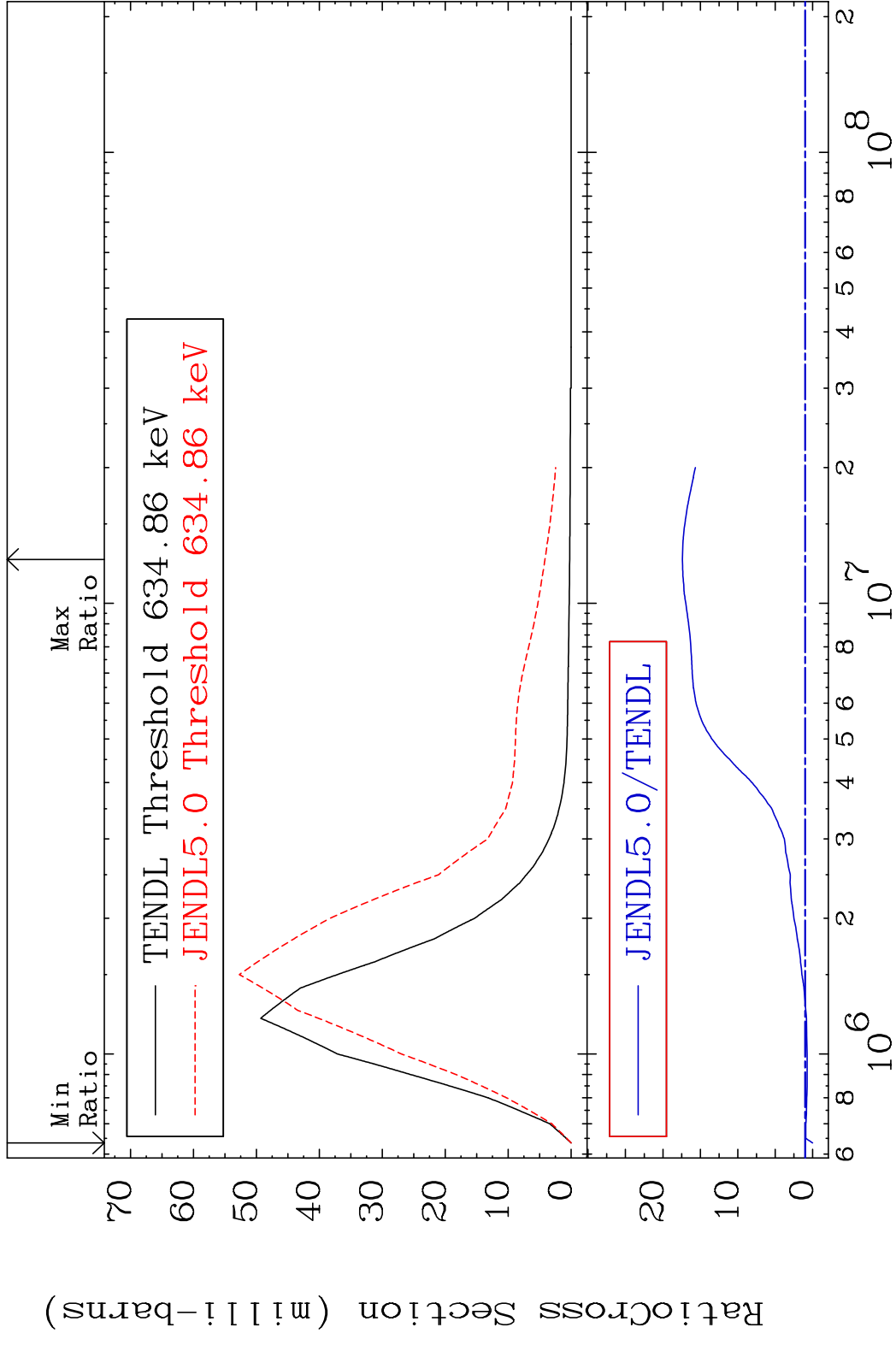
MAT 7240 MT= 62 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



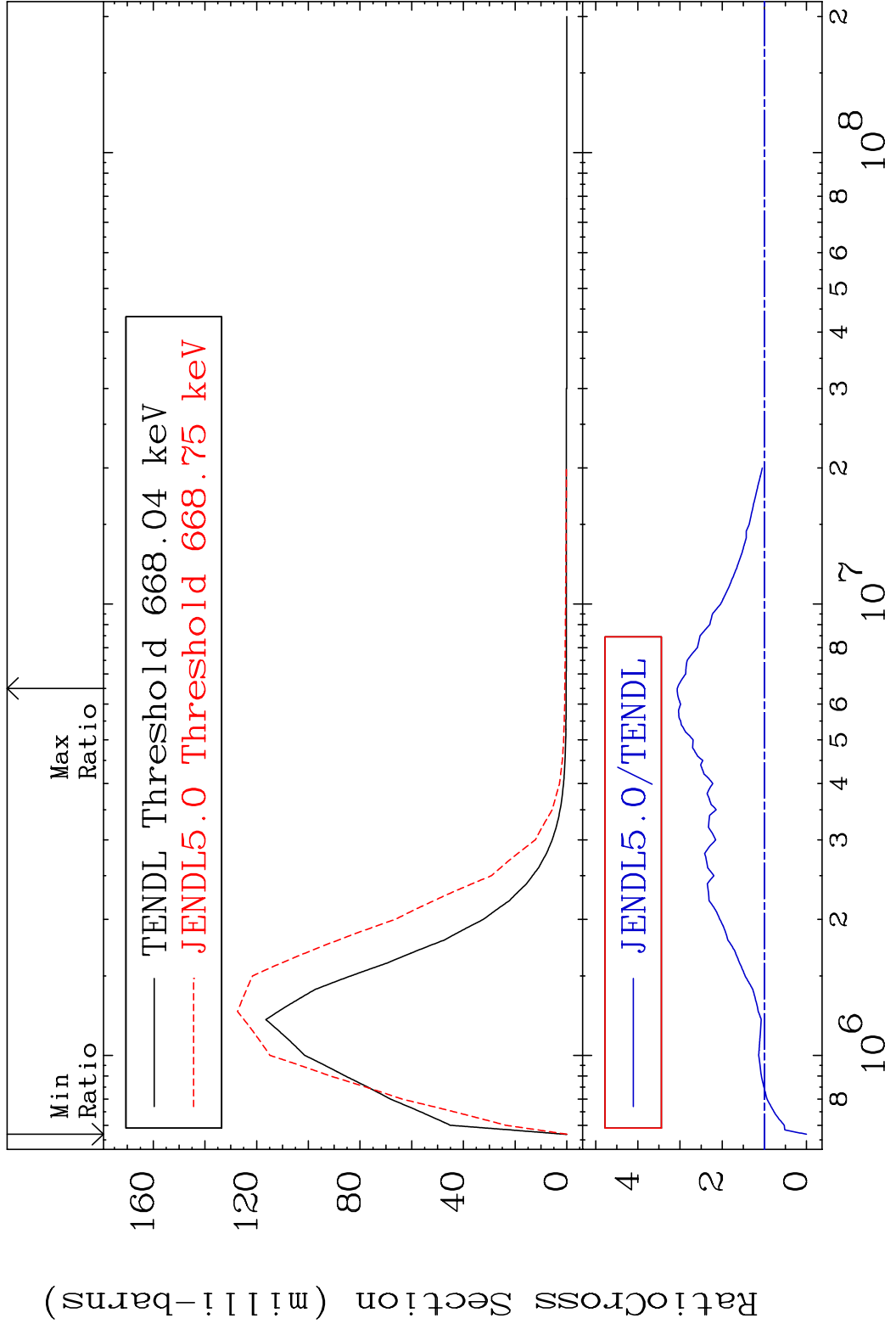
MAT 7240 MT= 63 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



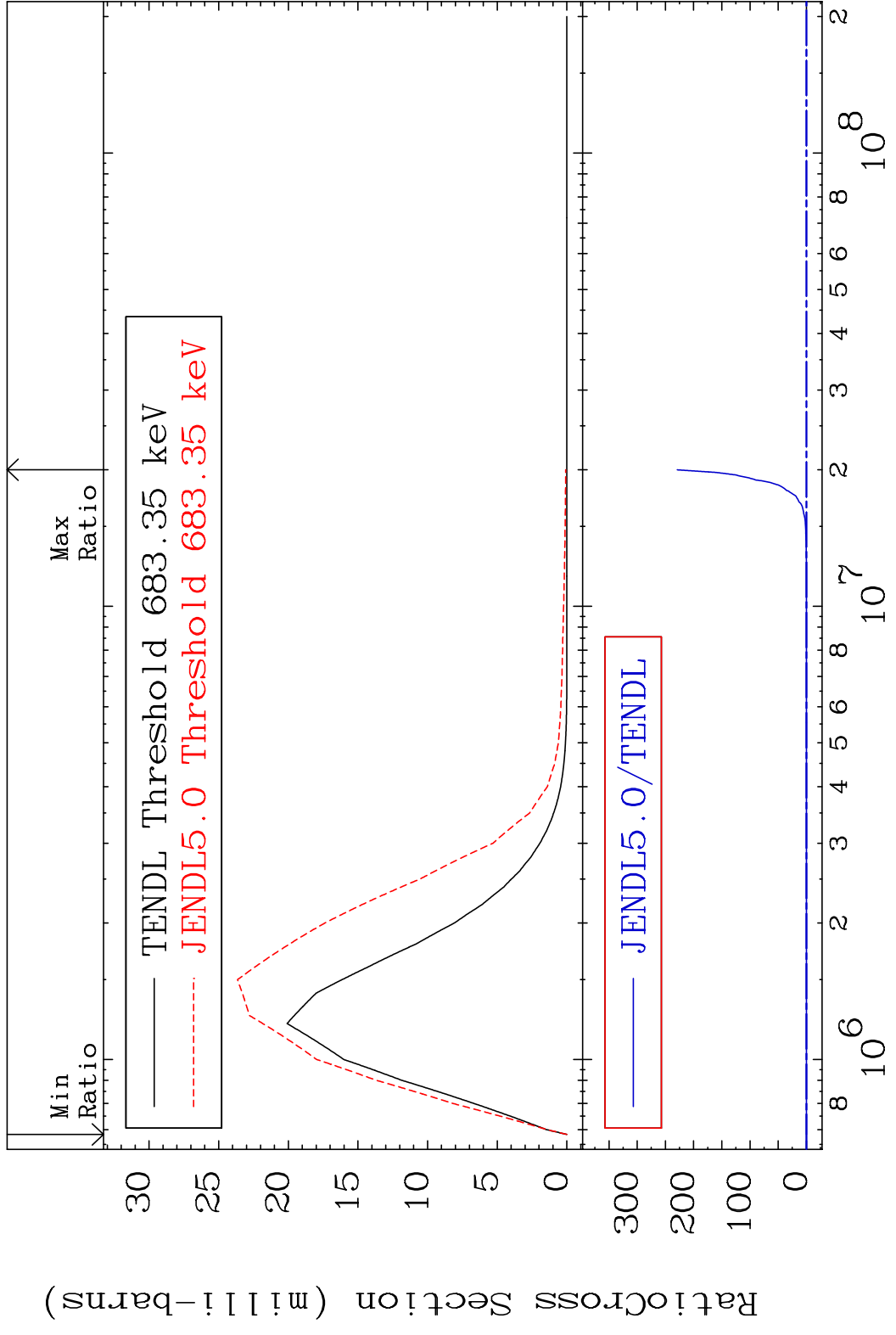
MAT 7240 MT= 64 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 1640. %



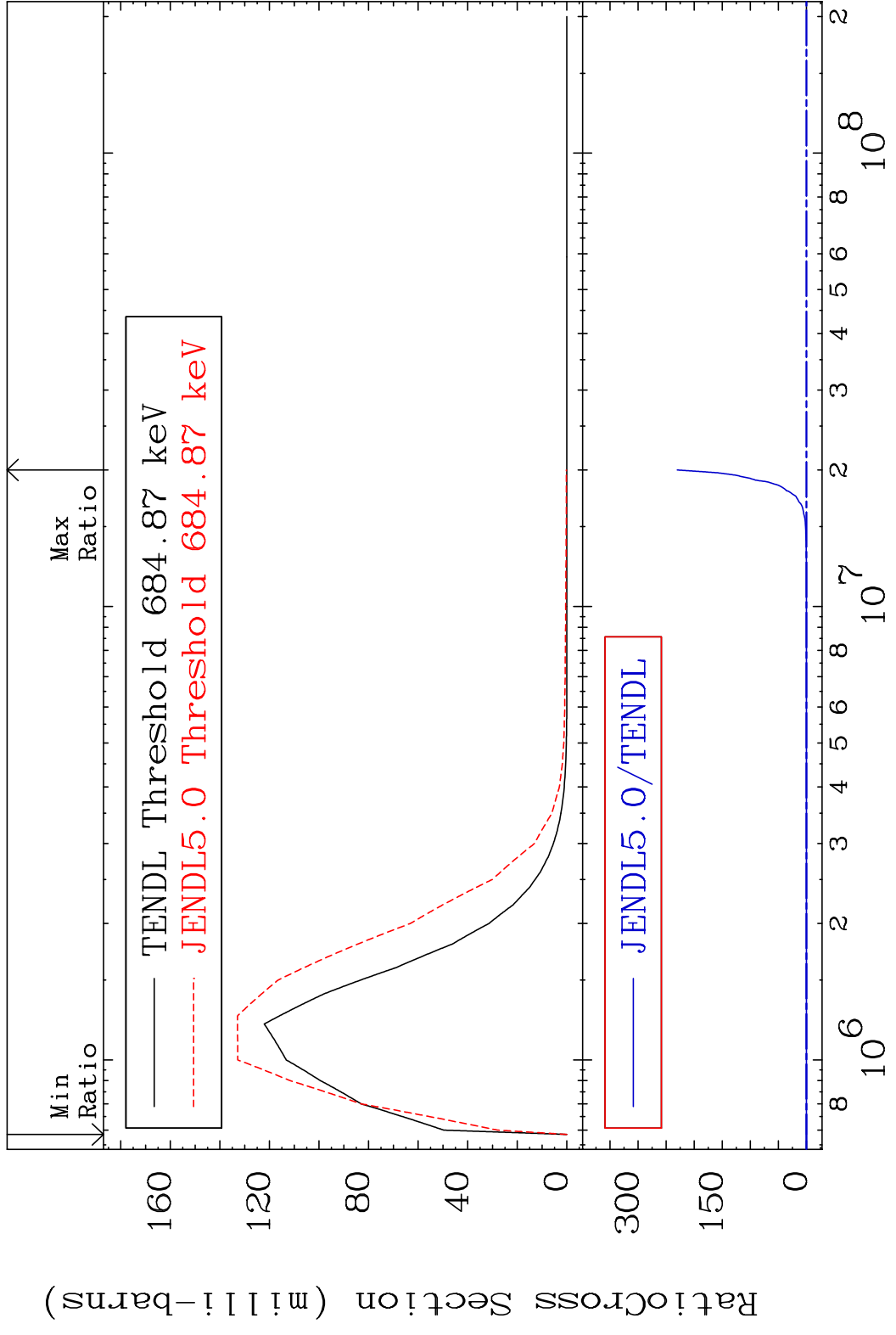
MAT 7240 MT= 65 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 206.8 %



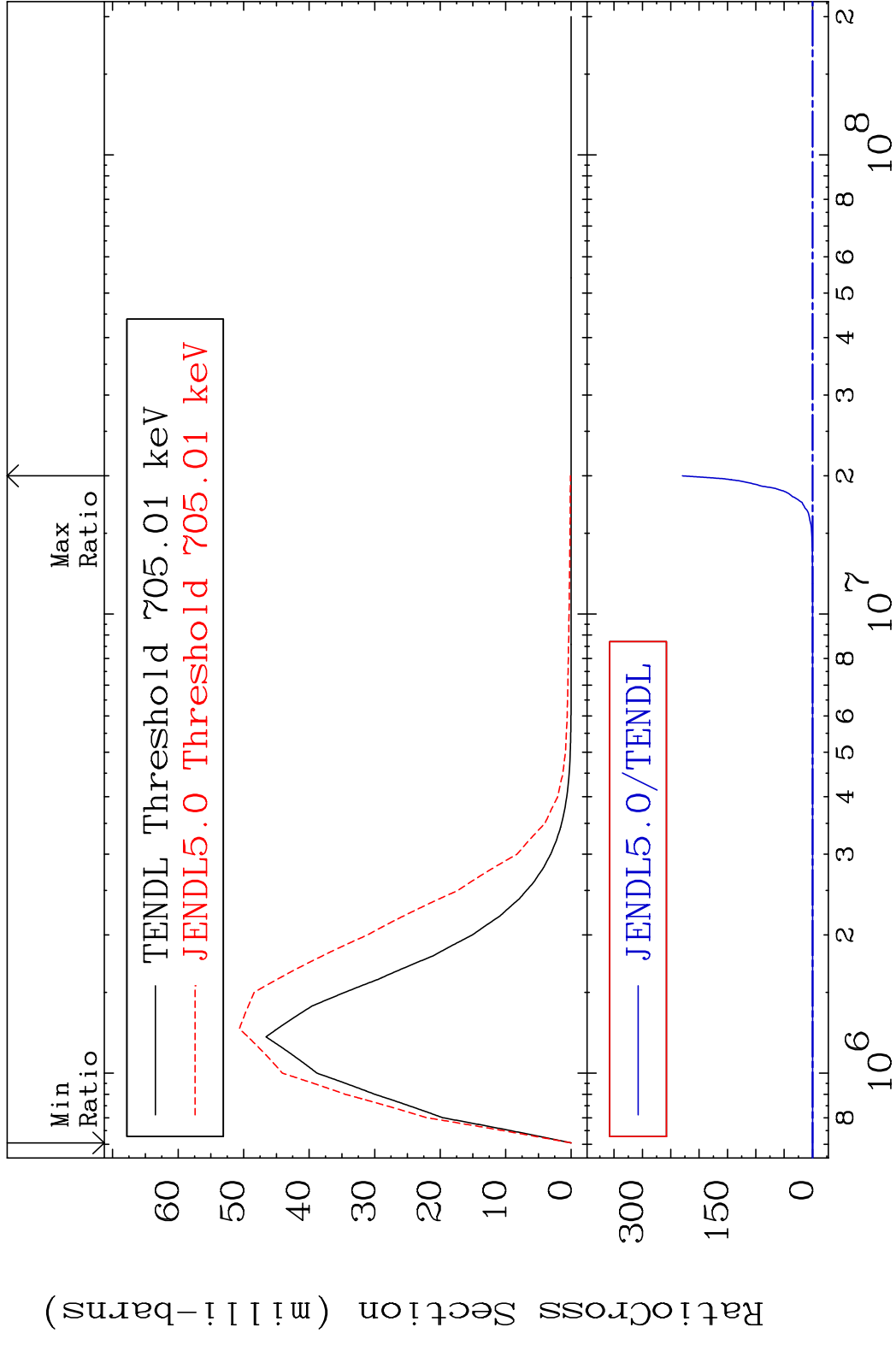
MAT 7240 MT= 66 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



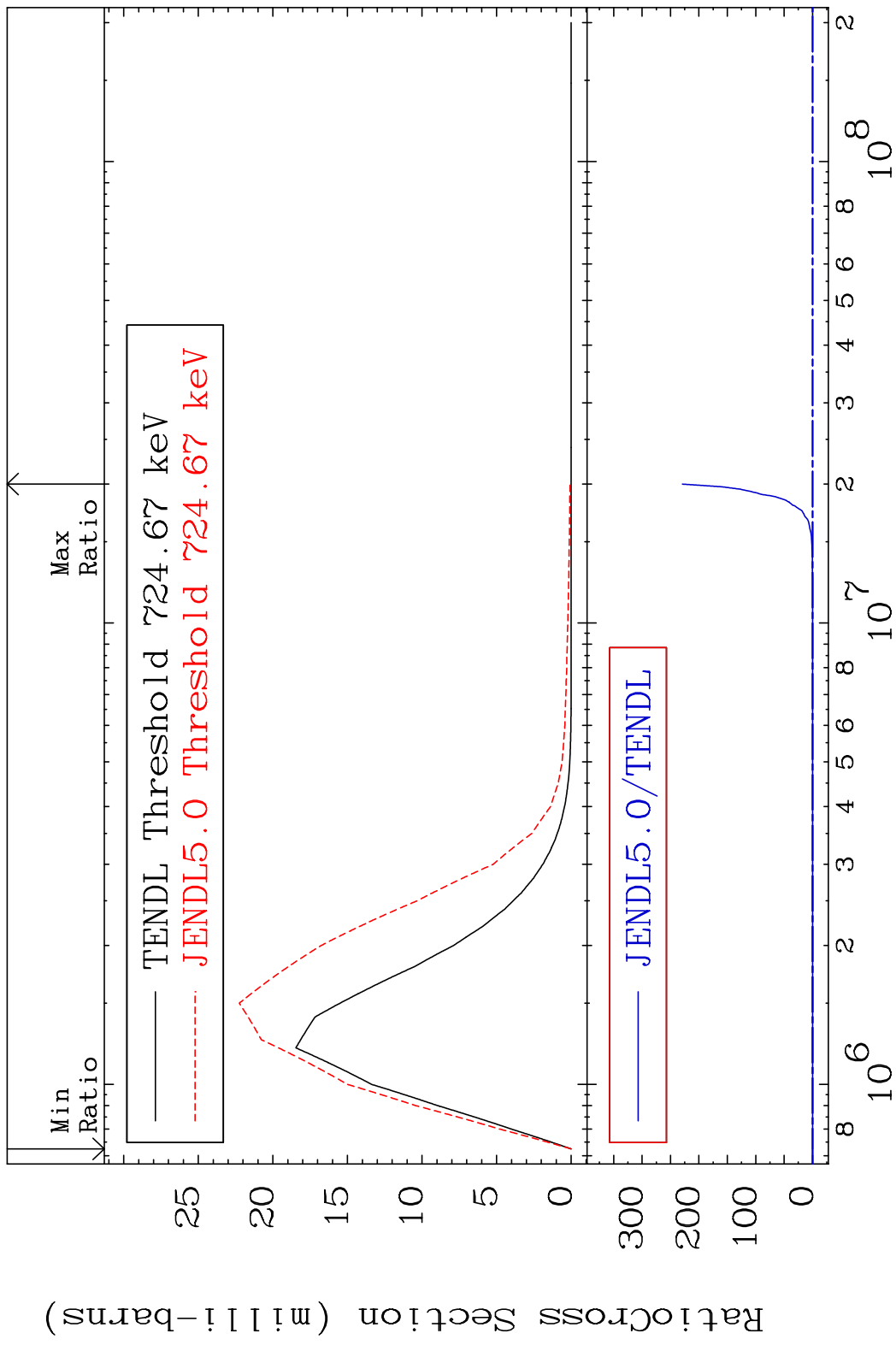
MAT 7240 MT= 67 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



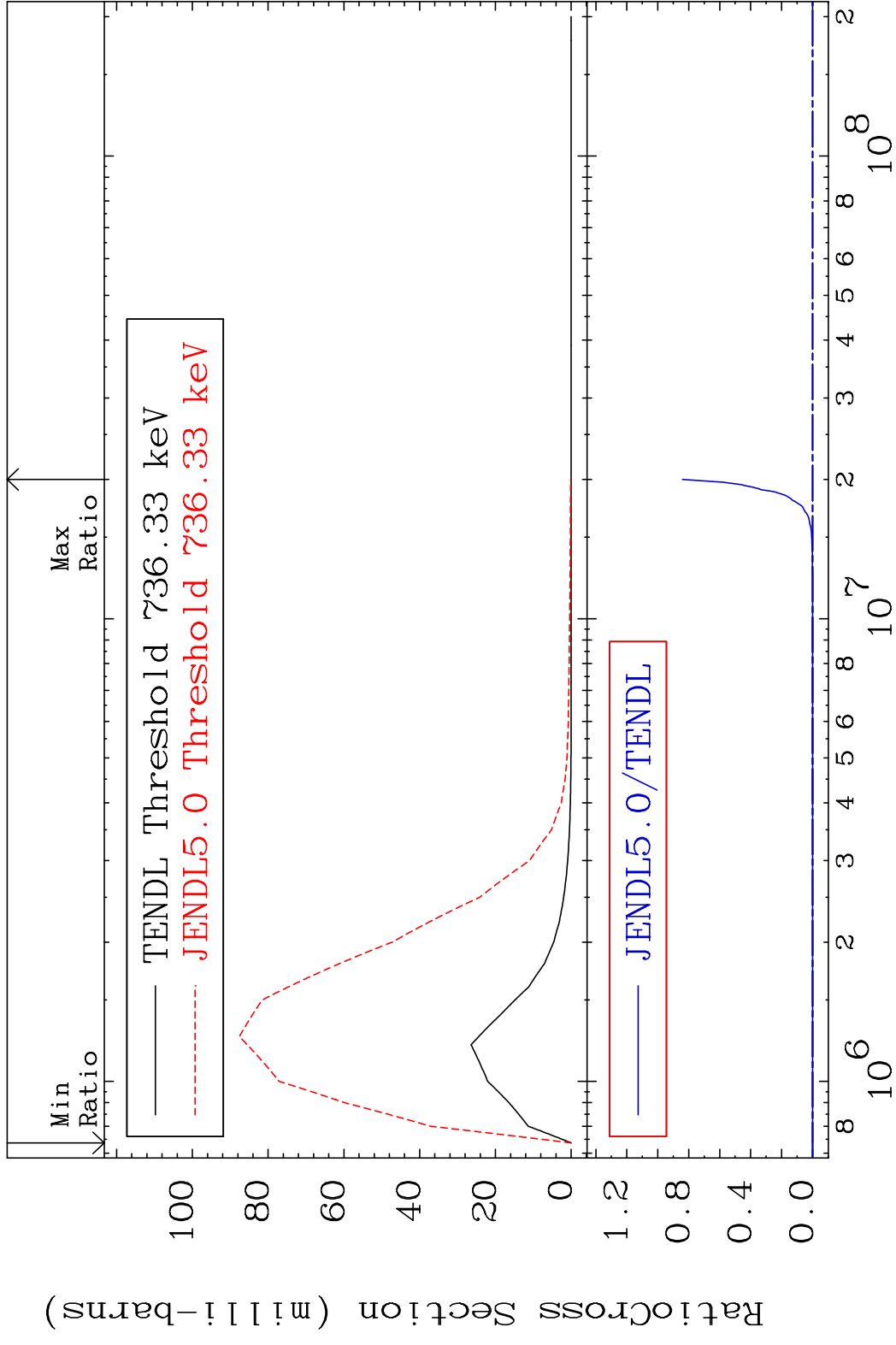
MAT 7240 MT= 68 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



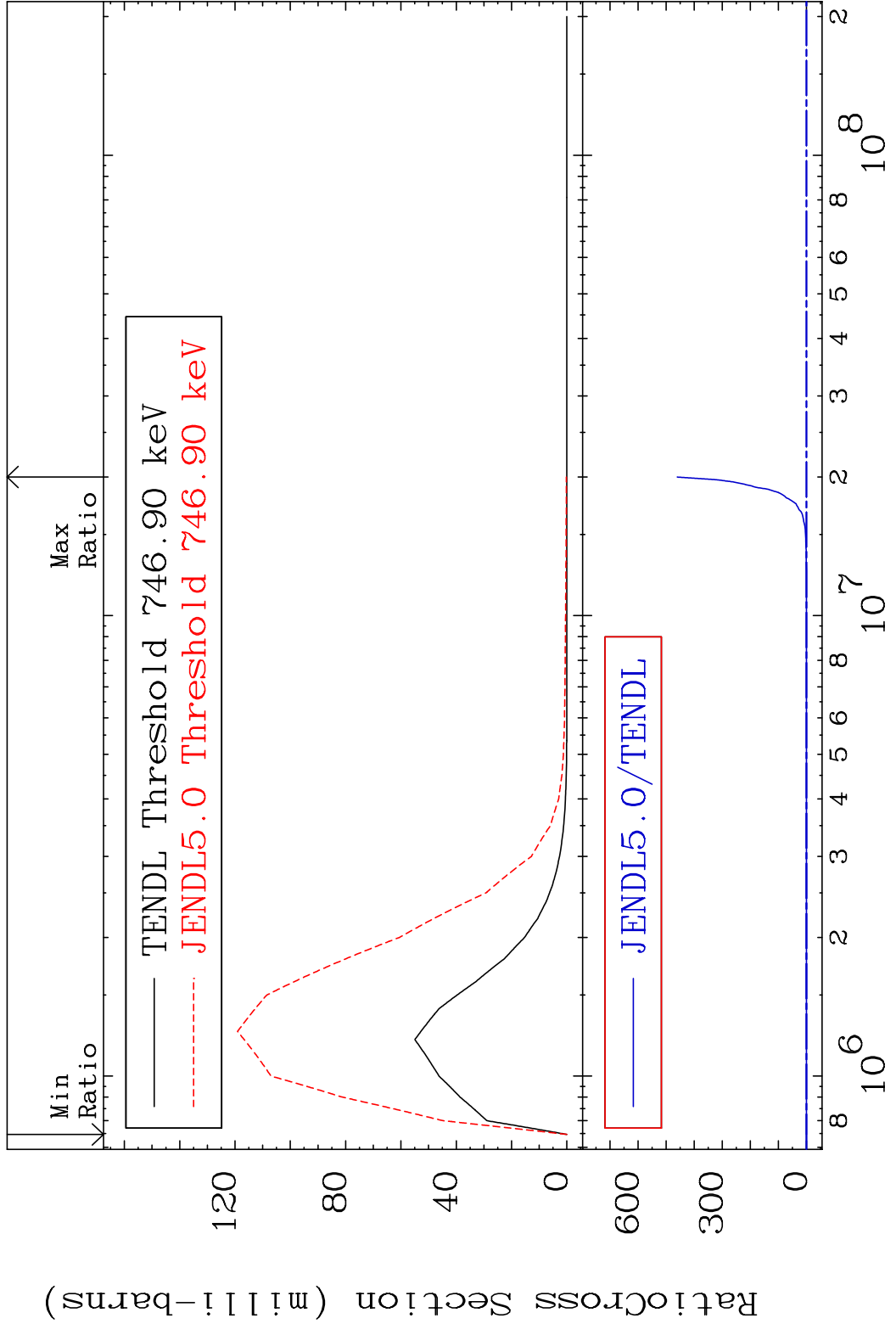
MAT 7240 MT= 69 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



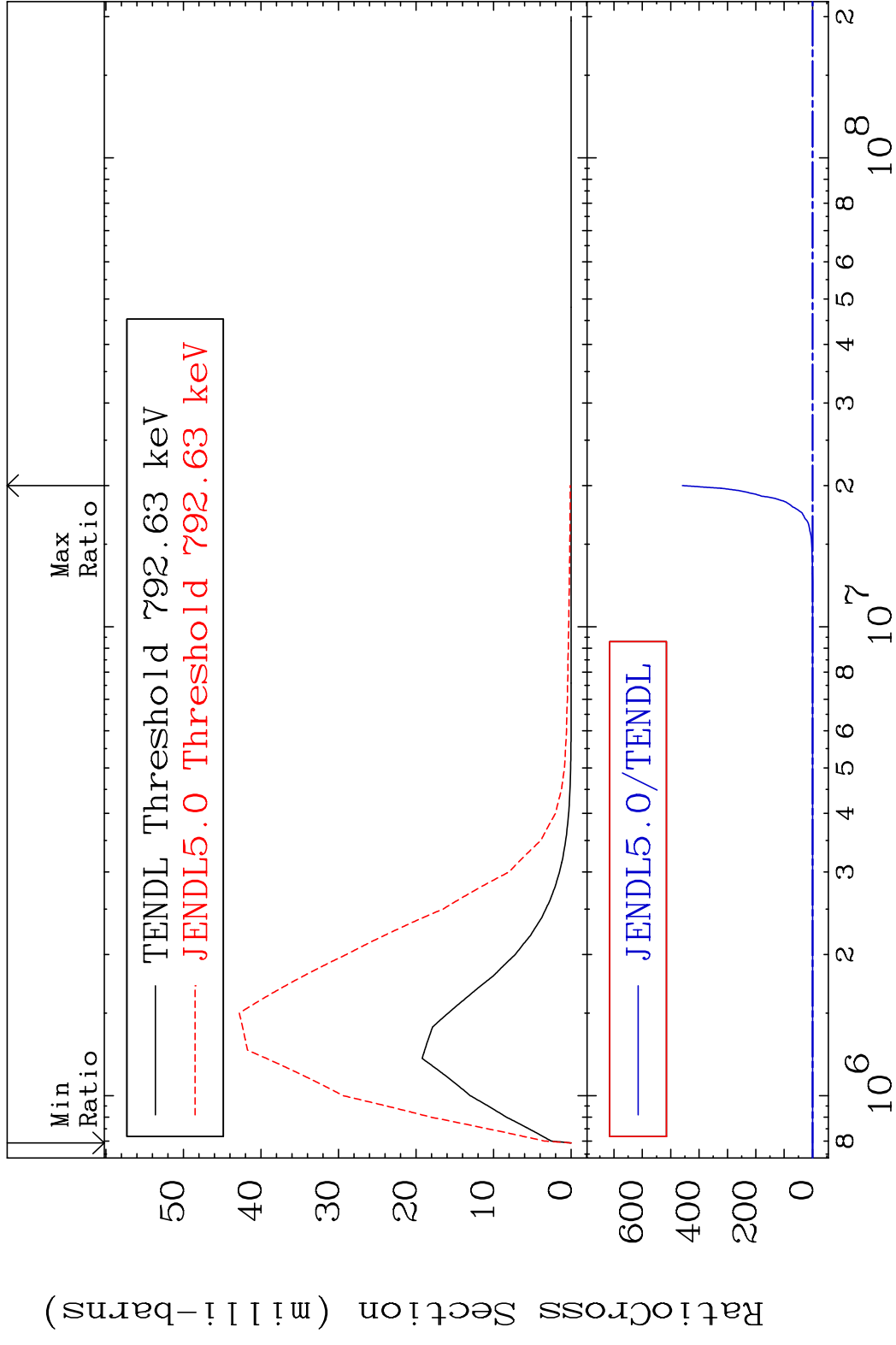
MAT 7240 MT= 70 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 71 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

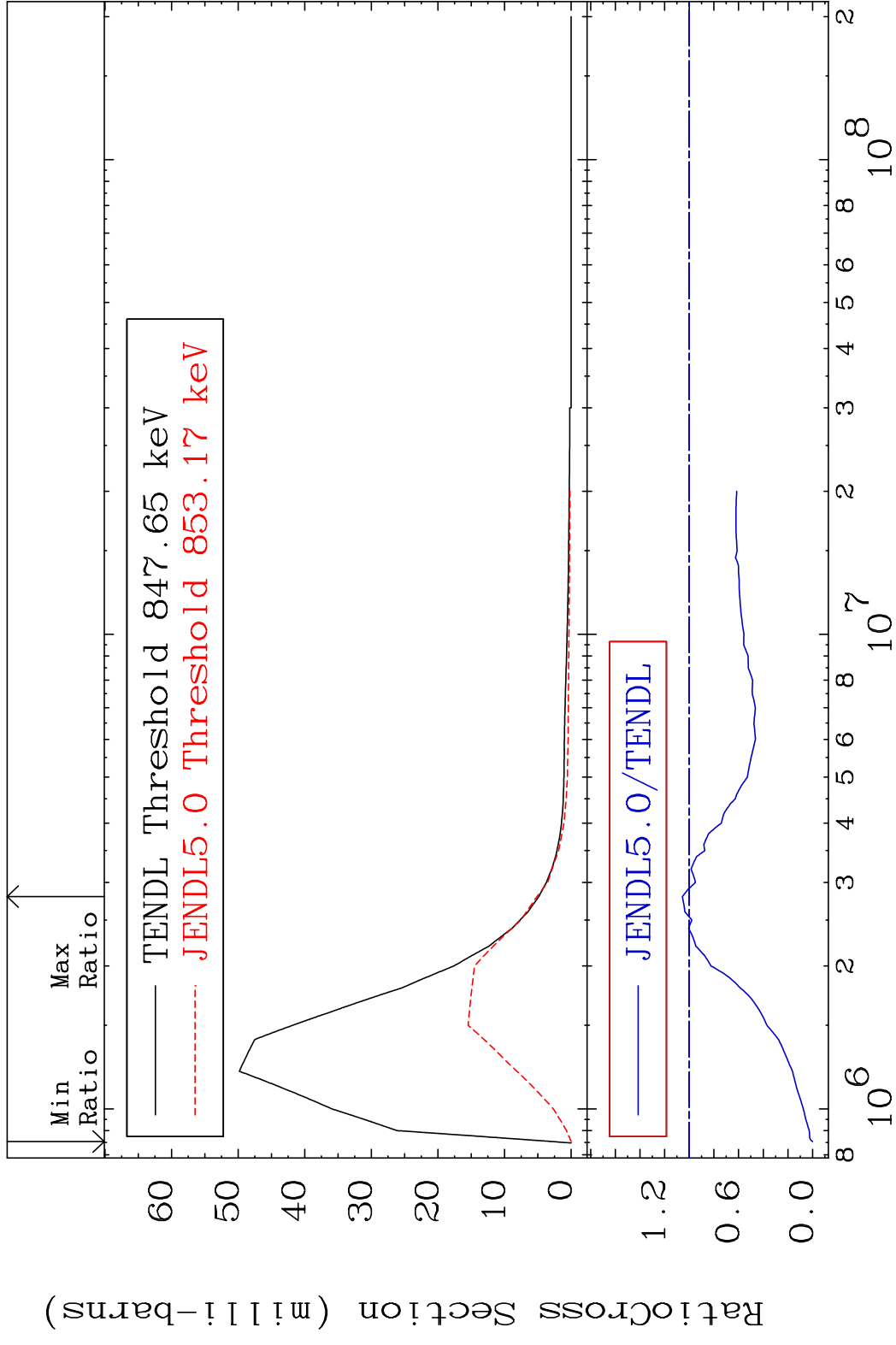


MAT 7240 MT= 72 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

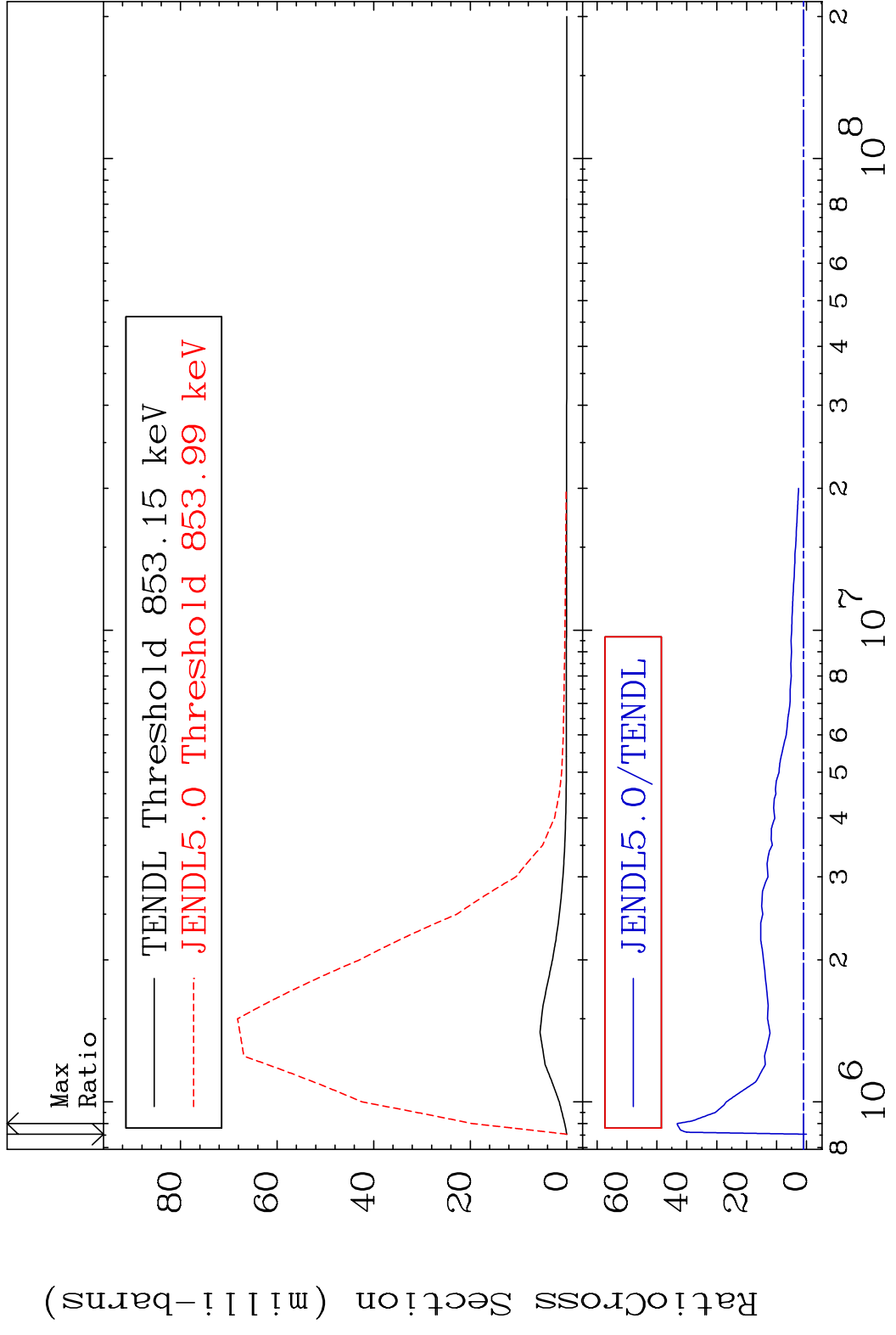


30 Incident Energy (eV) 72-Hf-179

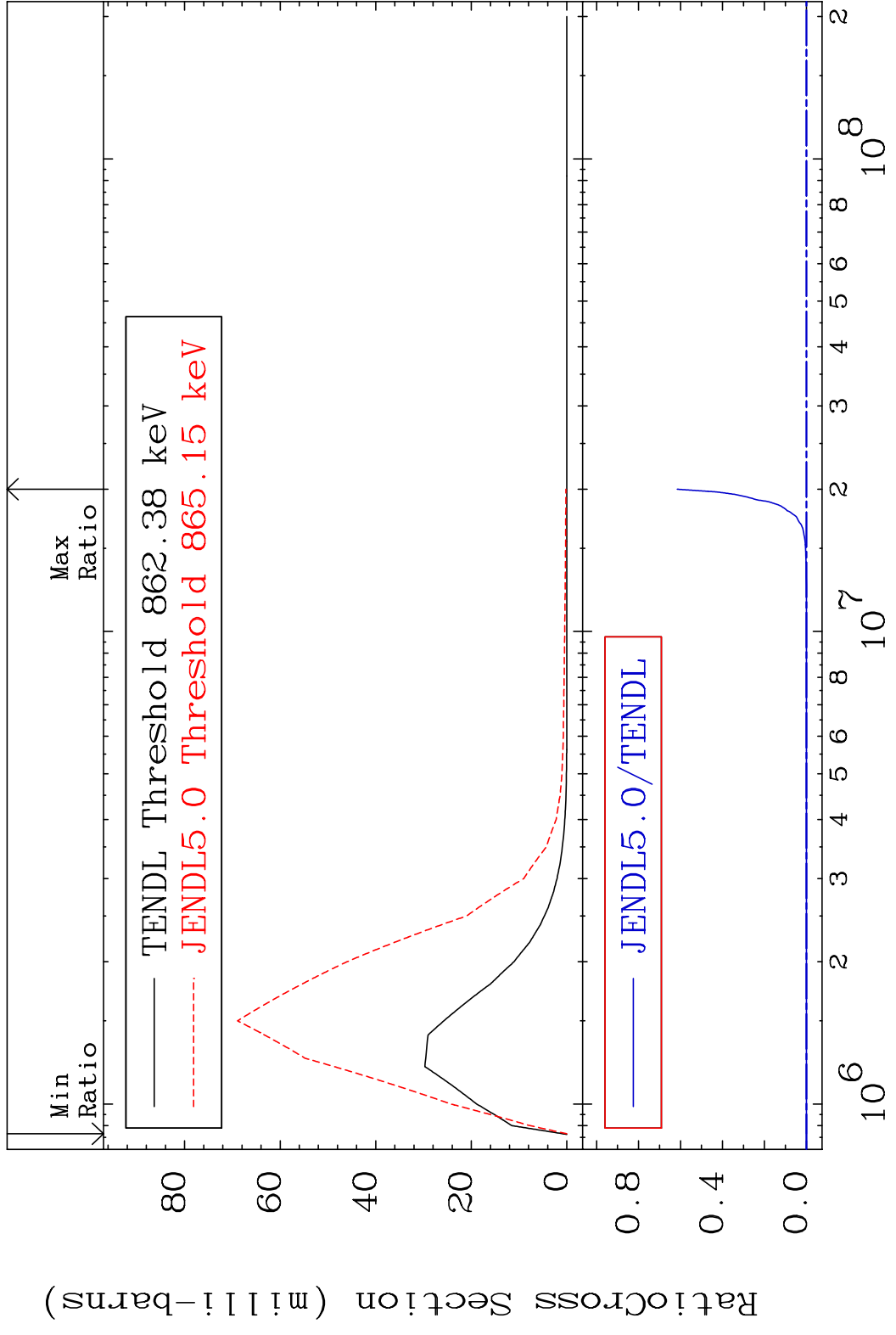
MAT 7240 MT= 73 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 5.603 %



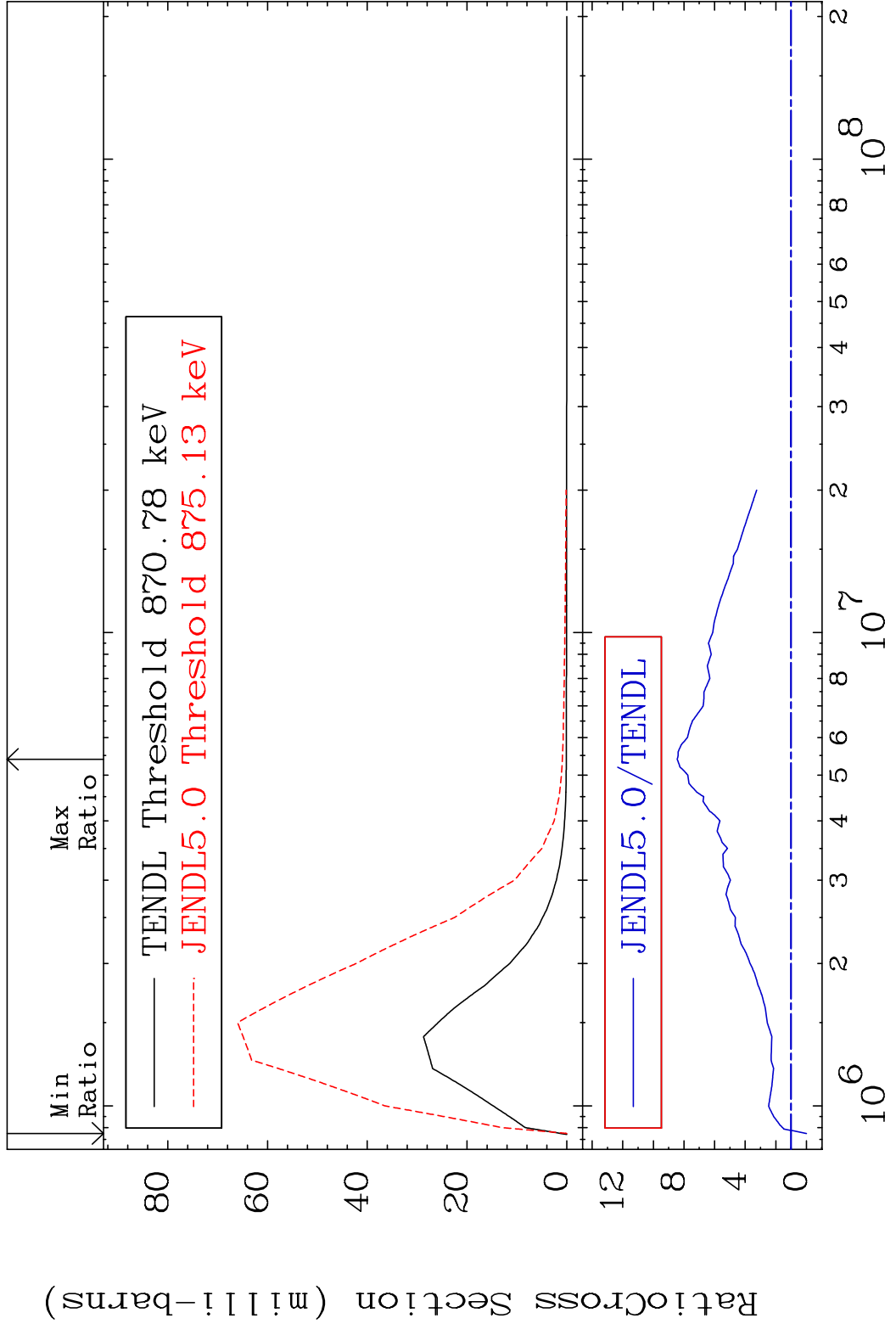
MAT 7240 MT= 74 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 4223. %



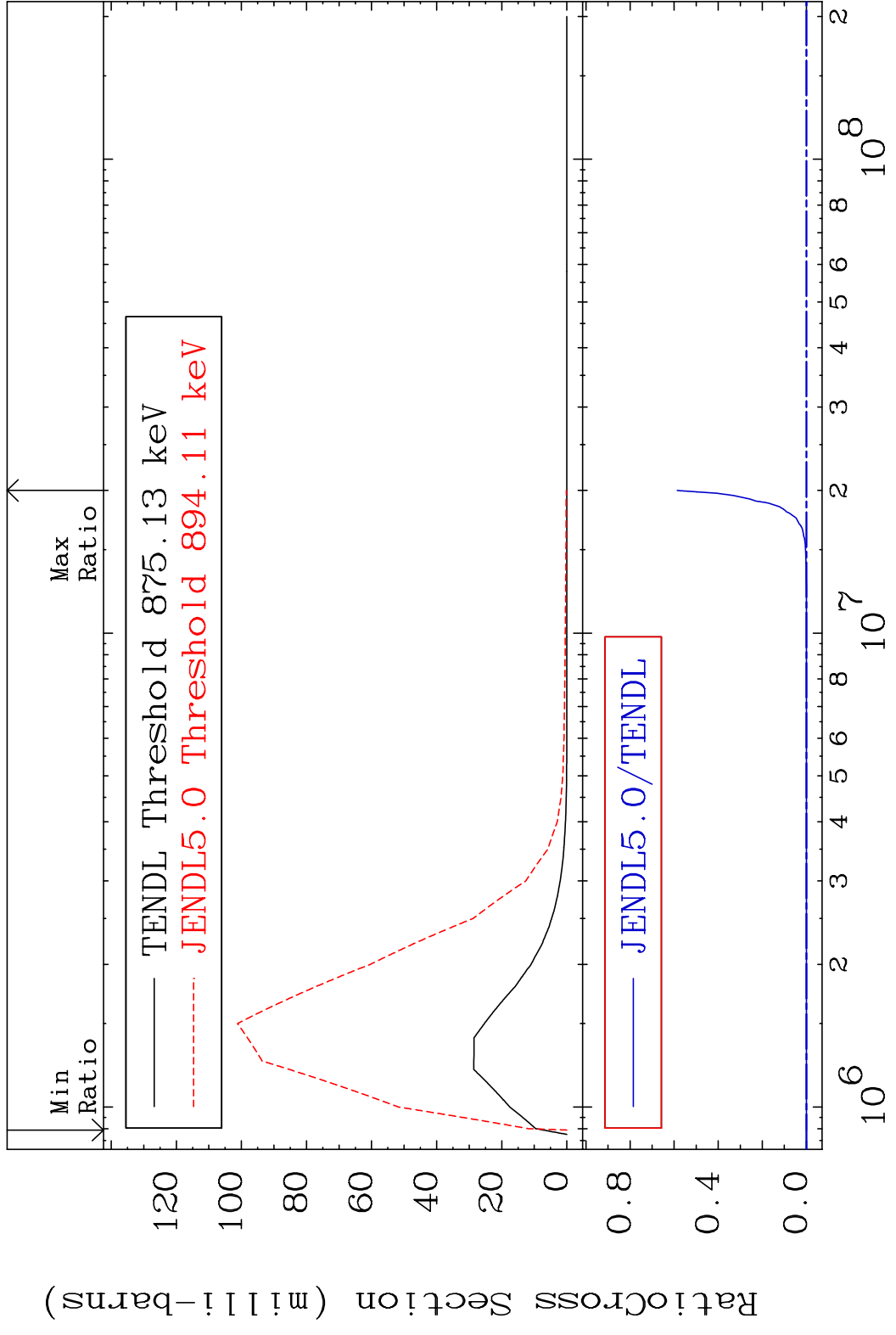
MAT 7240 MT= 75 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



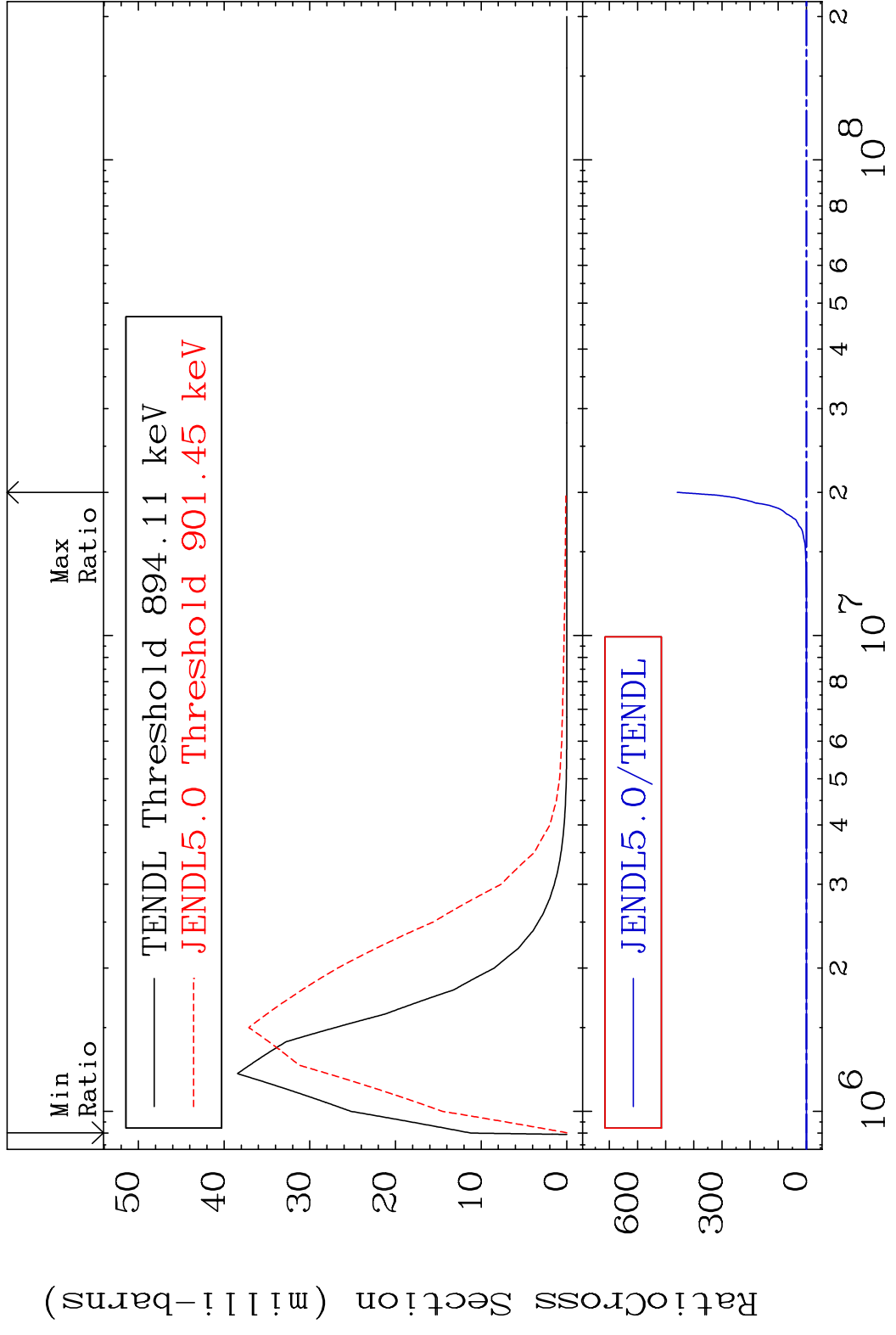
MAT 7240 MT= 76 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 744.4 %



MAT 7240 MT= 77 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 78 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

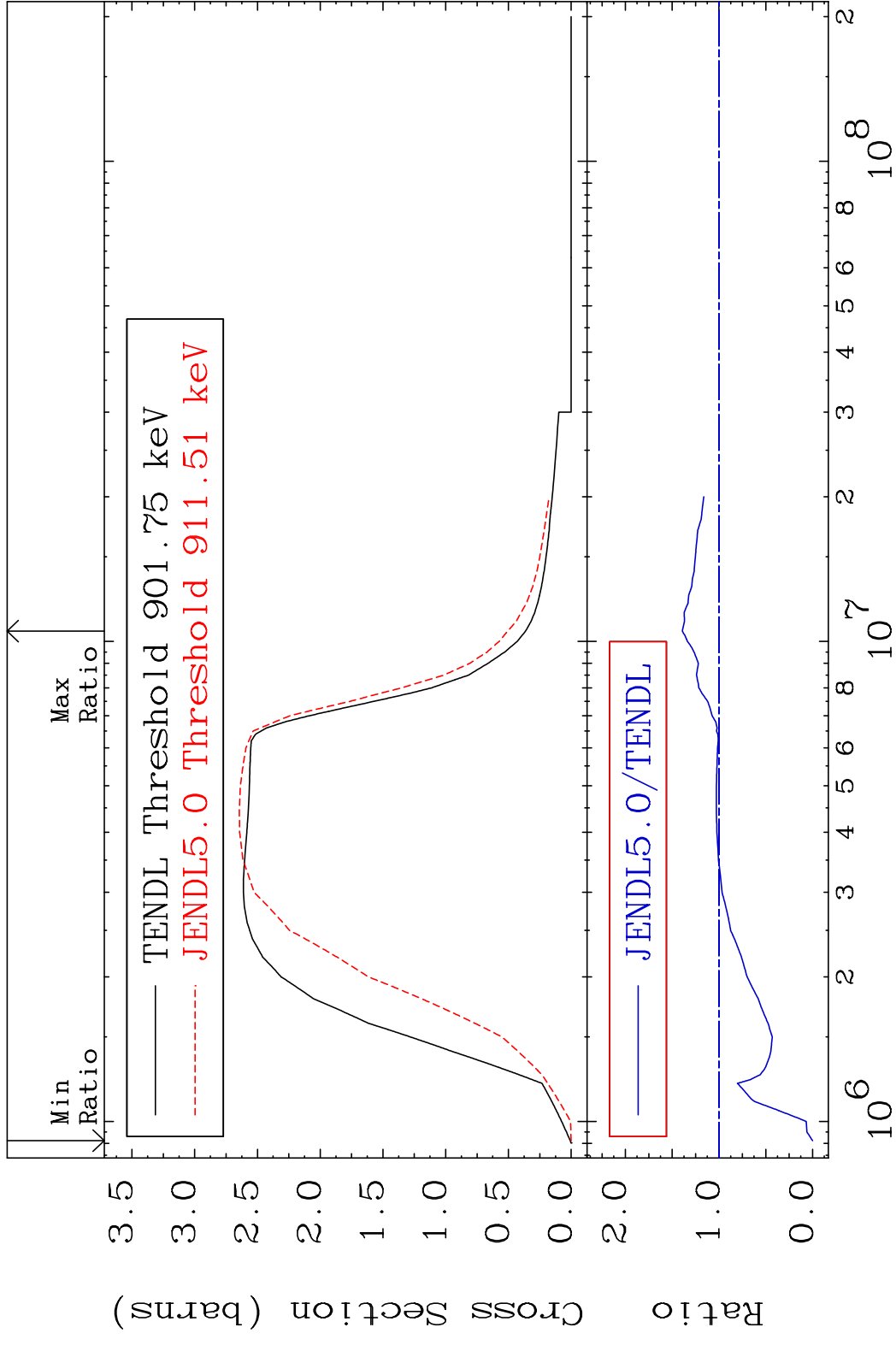


MAT 7240

(n, n') Continuum

72-Hf-179

Cross Section -100.0 To 39.15 %

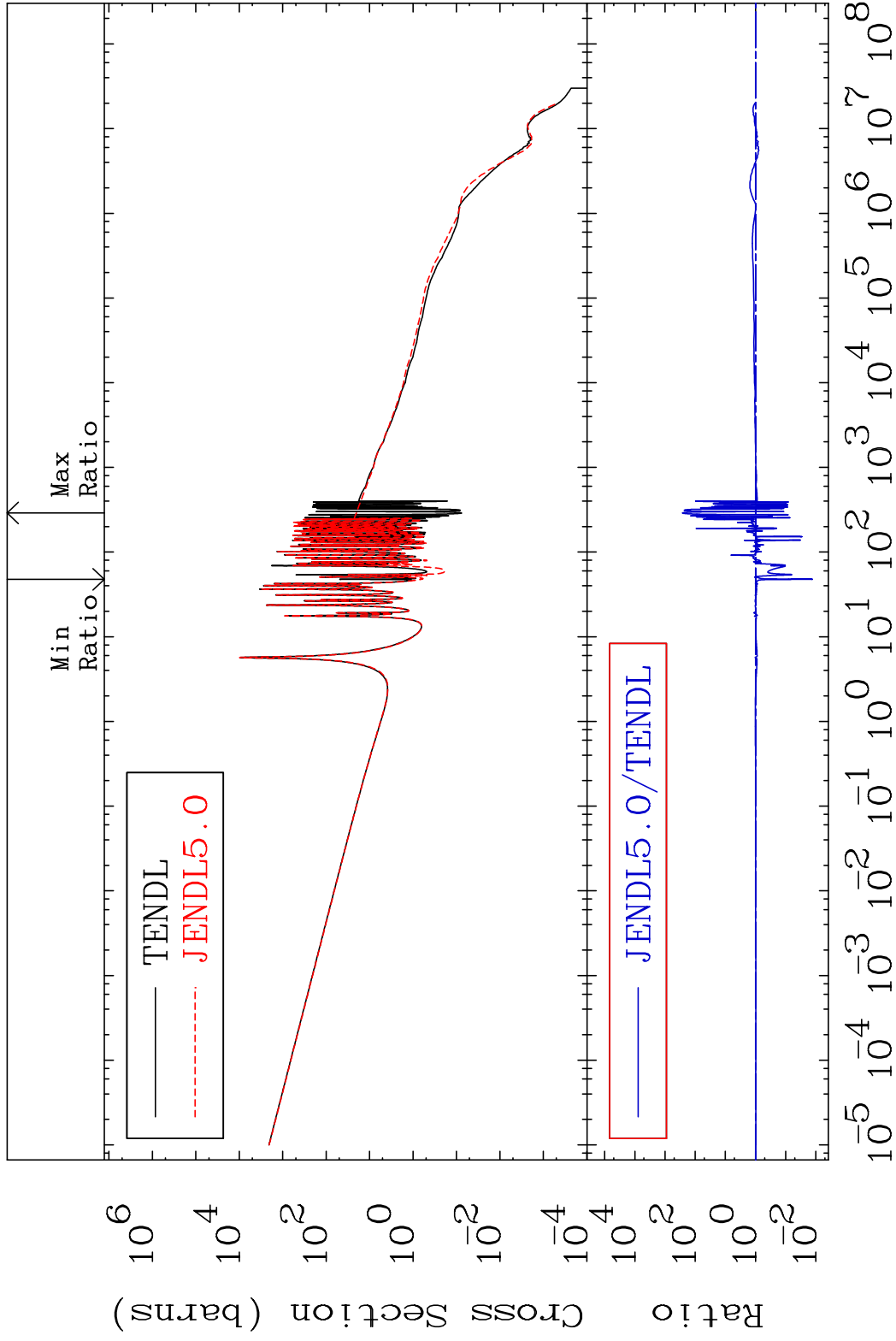


MAT 7240

(n,  $\gamma$ )

72-Hf-179

Cross Section -98.71 To 9999. %

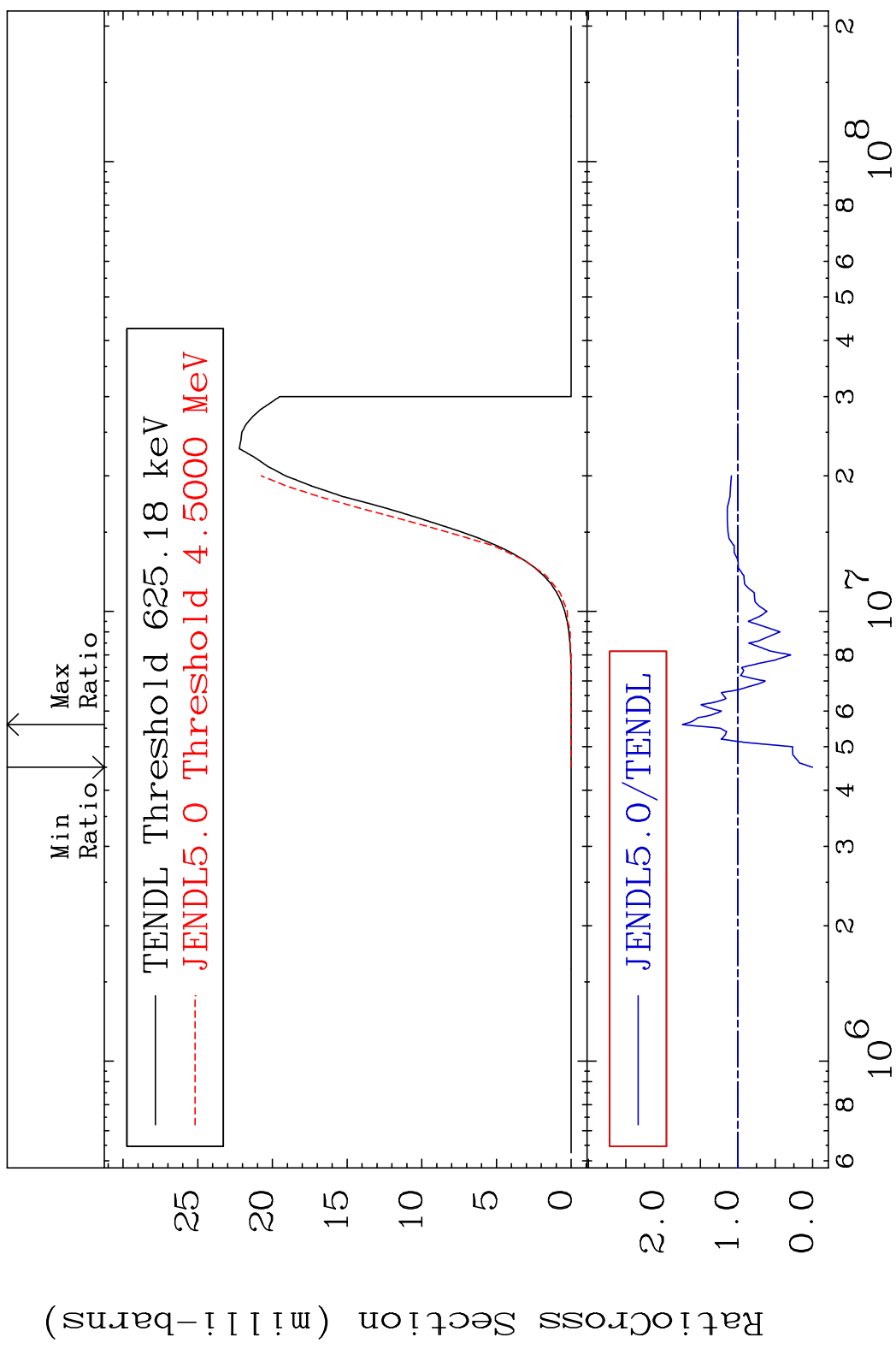


MAT 7240

(n, p)

72-Hf-179

Cross Section -100.0 To 74.27 %

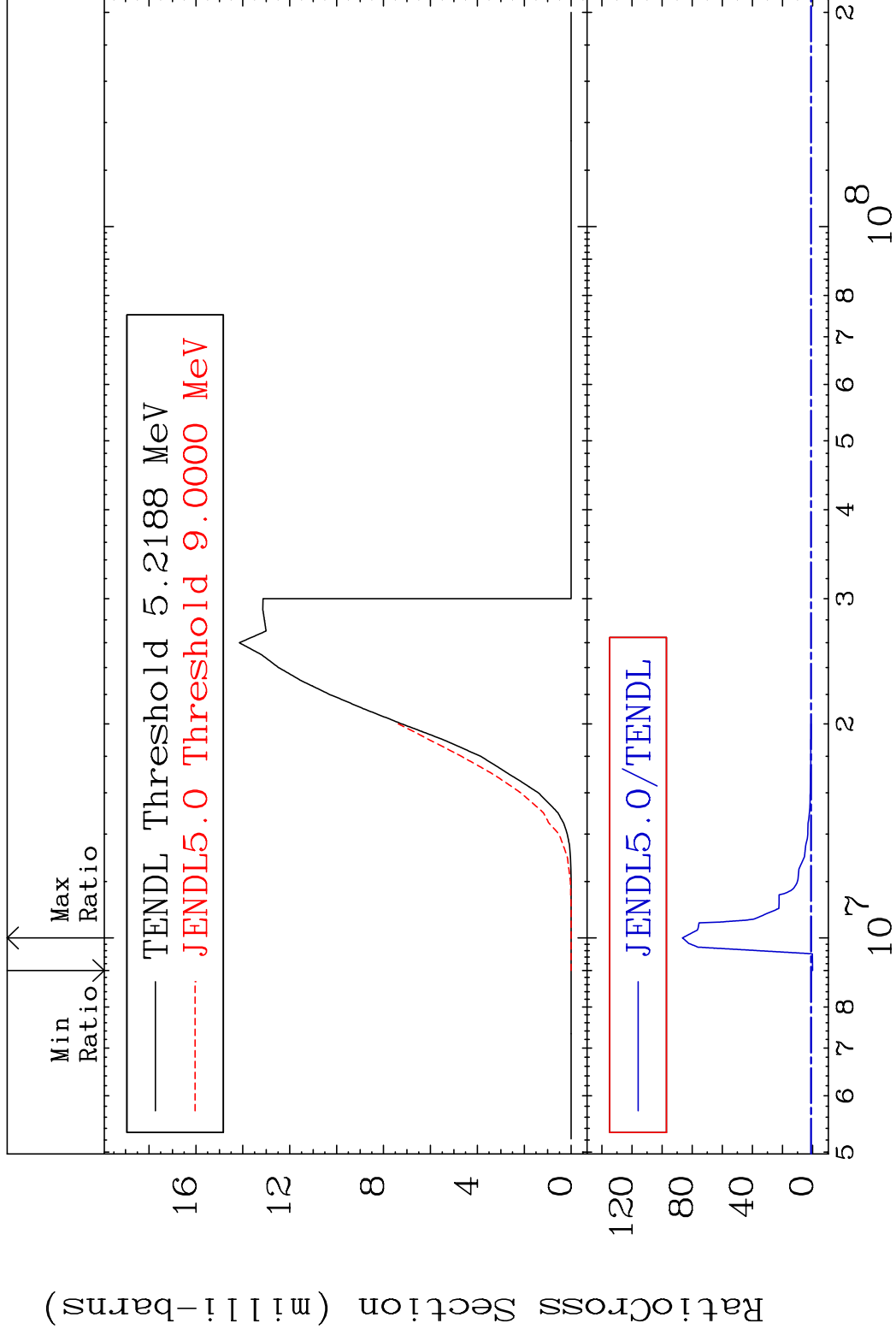


MAT 7240

(n,d)

72-Hf-179

Cross Section -100.0 To 8557. %



40

Incident Energy (eV)

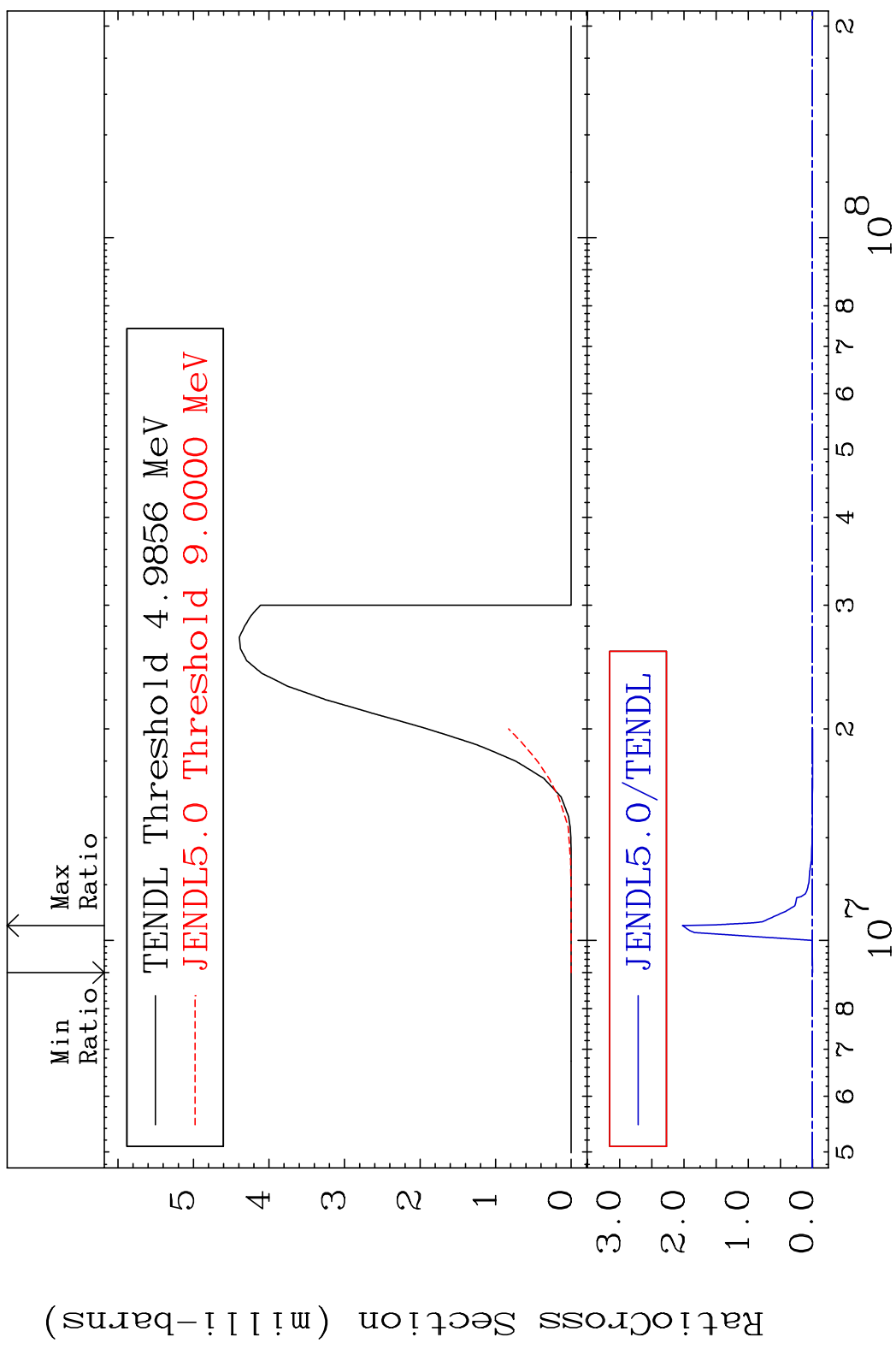
72-Hf-179

MAT 7240

(n, t)

72-Hf-179

Cross Section -100.0 To 9999. %

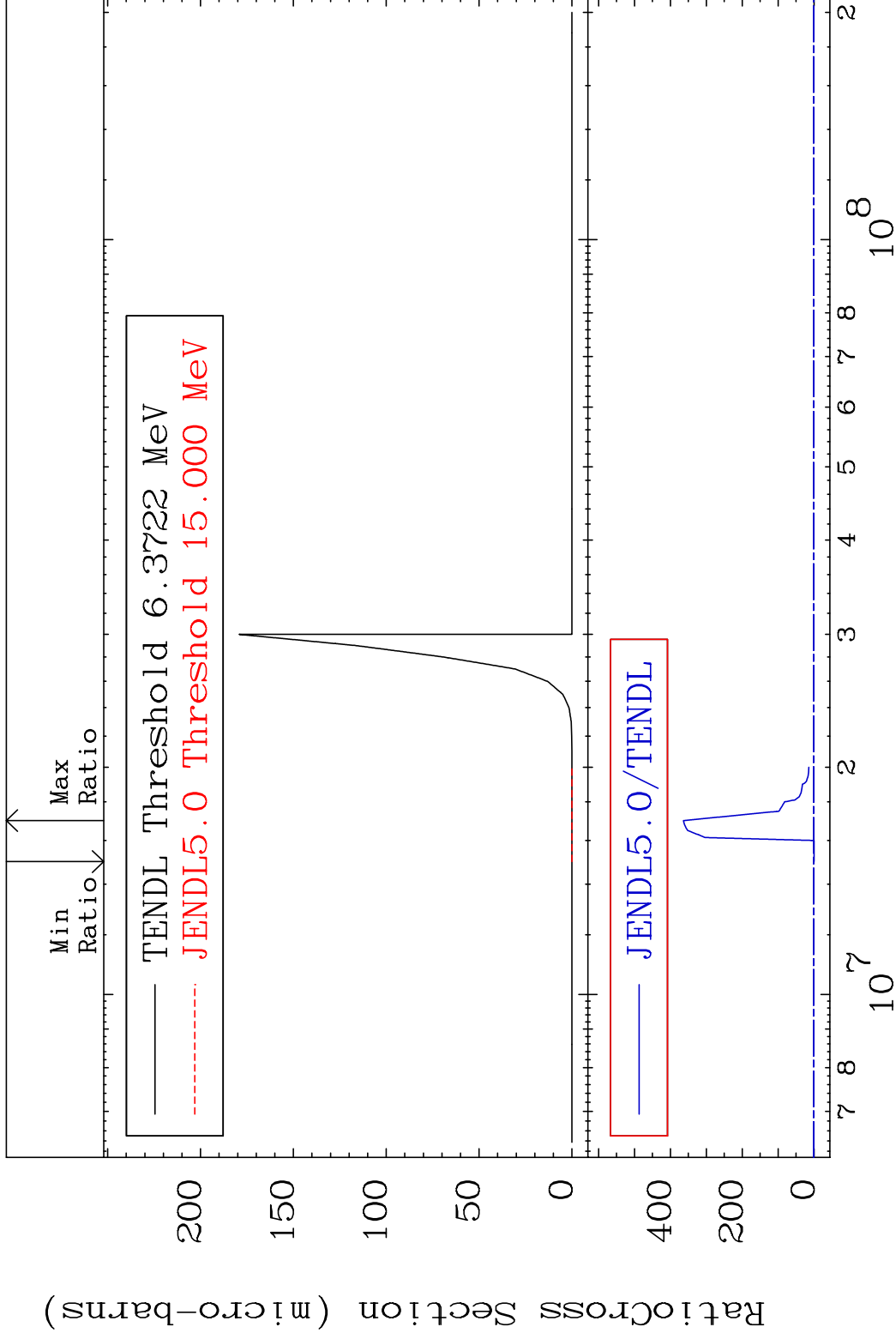


MAT 7240

(n, He-3)

72-Hf-179

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

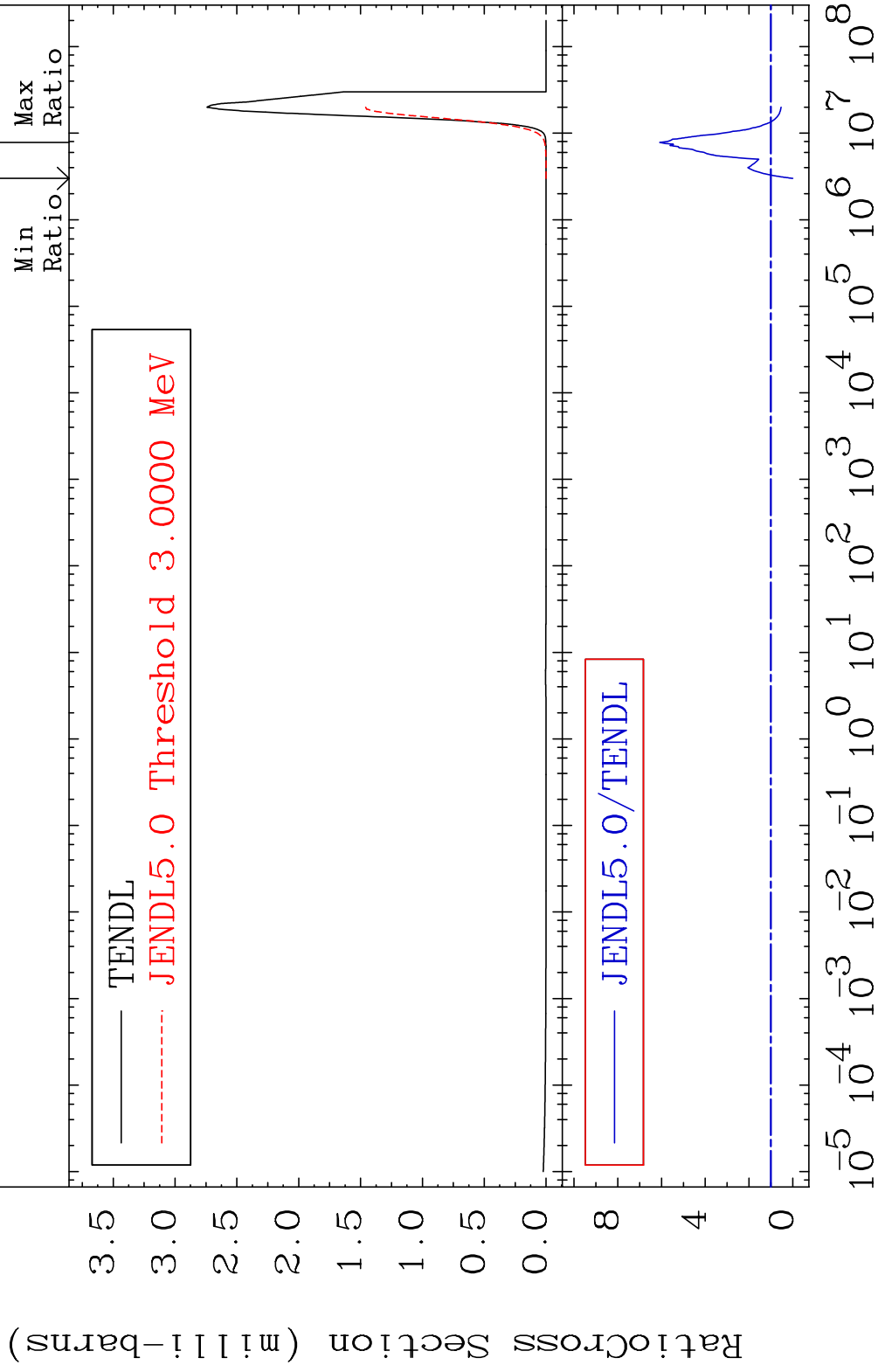
72-Hf-179

MAT 7240

(n,  $\alpha$ )

72-Hf-179

Cross Section -100.0 To 508.4 %



43

Incident Energy (eV)

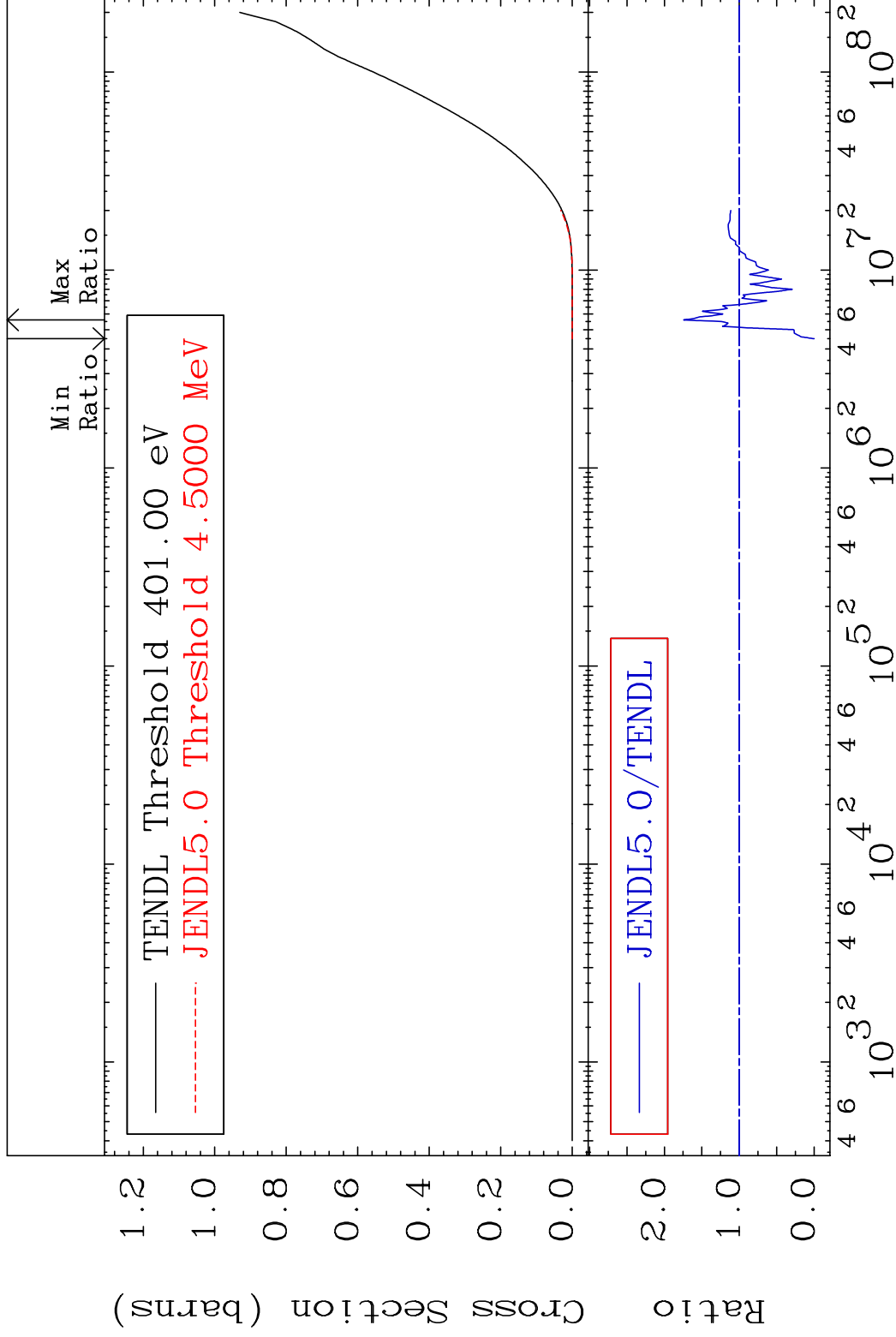
72-Hf-179

MAT 7240

Hydrogen Production

72-Hf-179

Cross Section -100.0 To 74.27 %

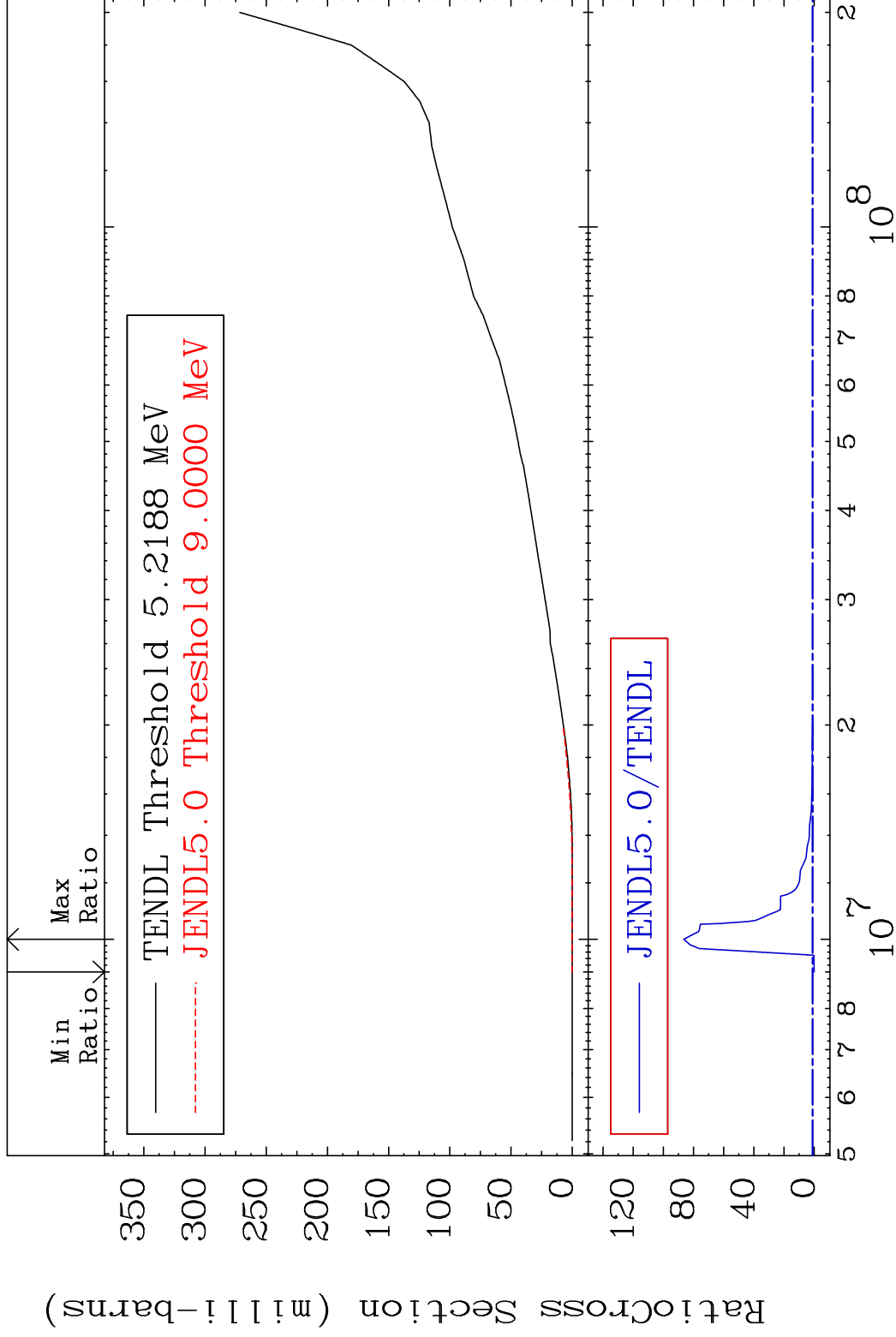


MAT 7240

Deuterium Production

72-Hf-179

Cross Section -100.0 To 8557. %



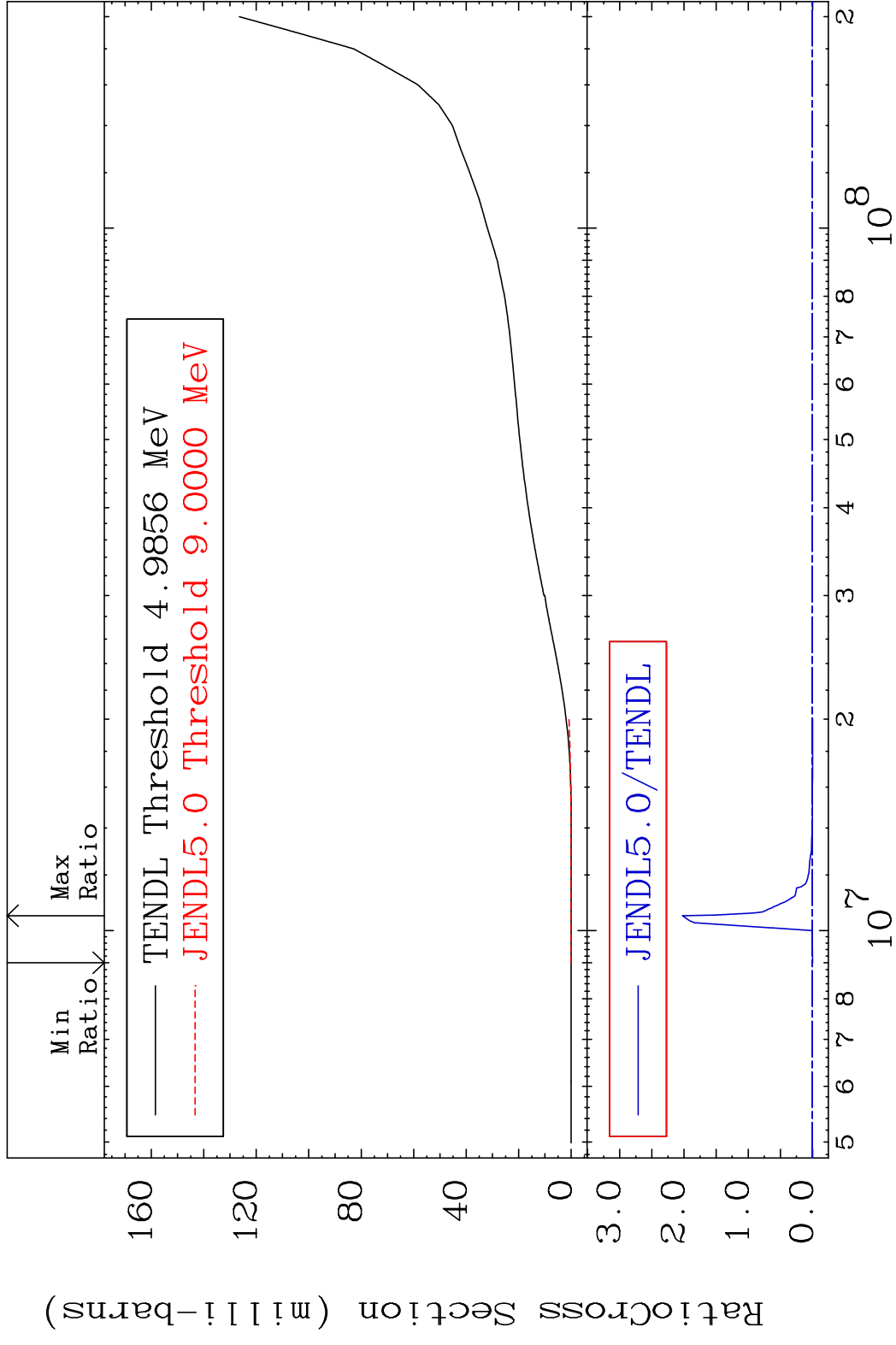
45

Incident Energy (eV)

72-Hf-179

MAT 7240

Tritium Production 72-Hf-179  
Cross Section -100.0 To 9999. %

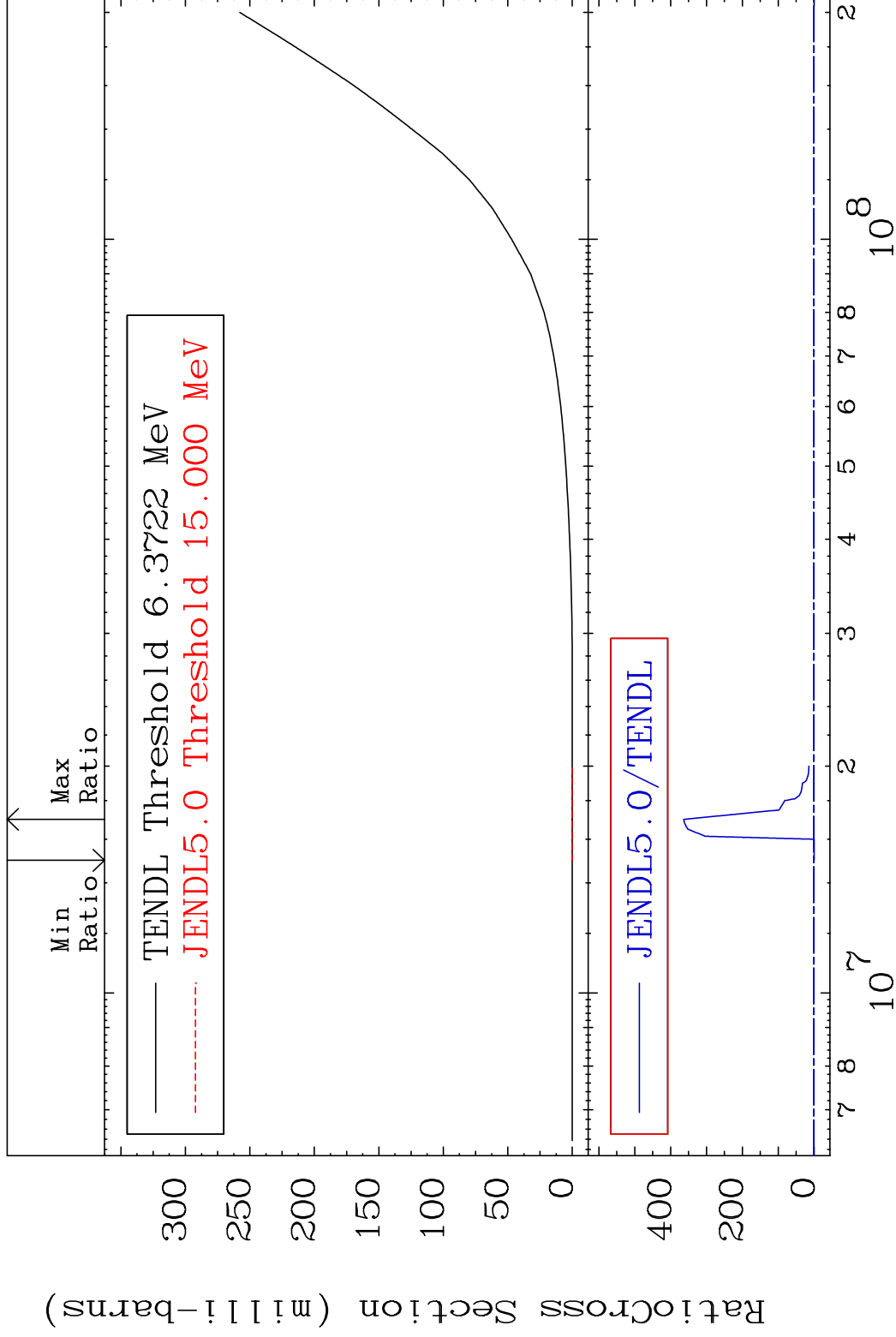


MAT 7240

He-3 Production

72-Hf-179

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

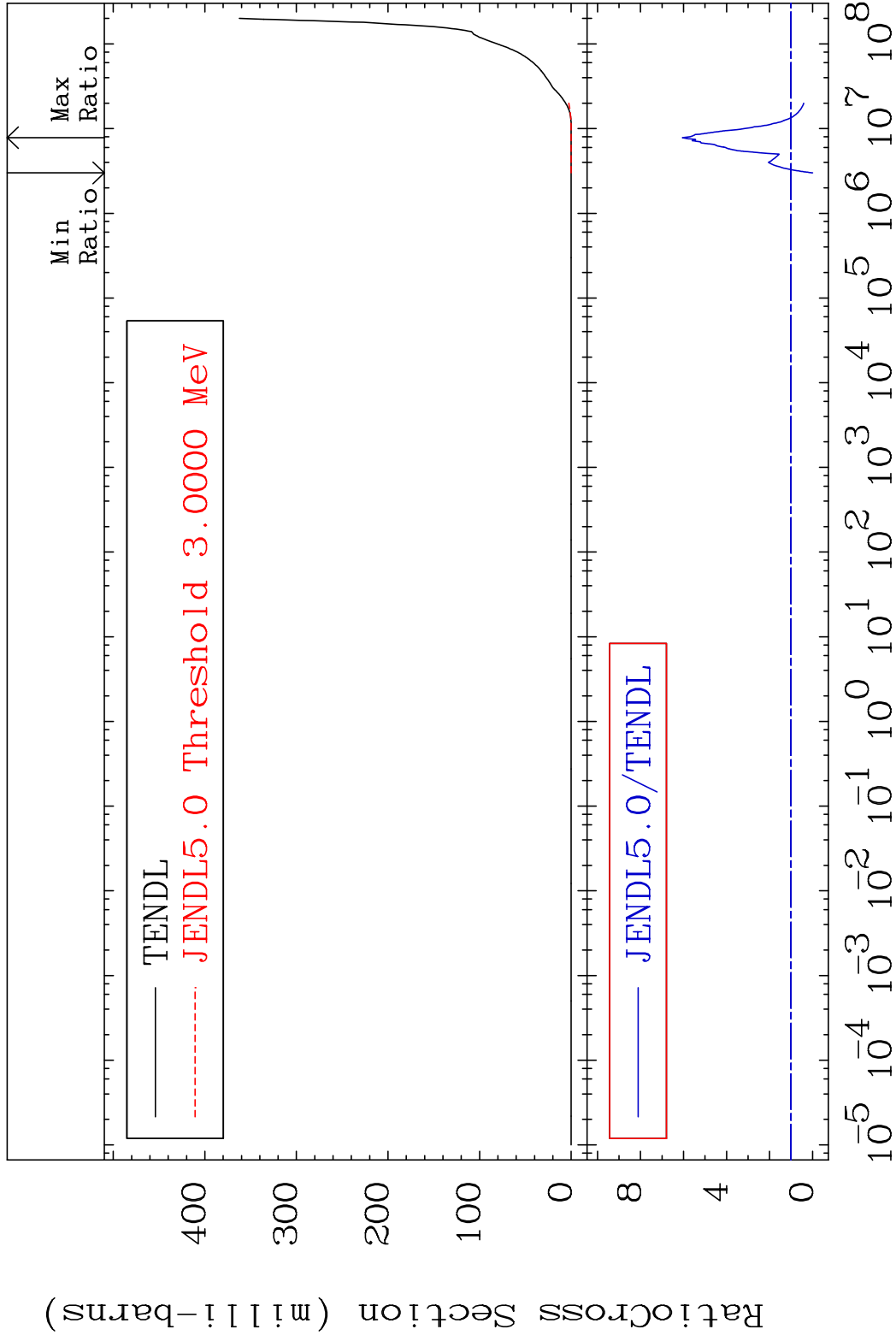
72-Hf-179

MAT 7240

He-4 Production

72-Hf-179

Cross Section -100.0 To 505.4 %

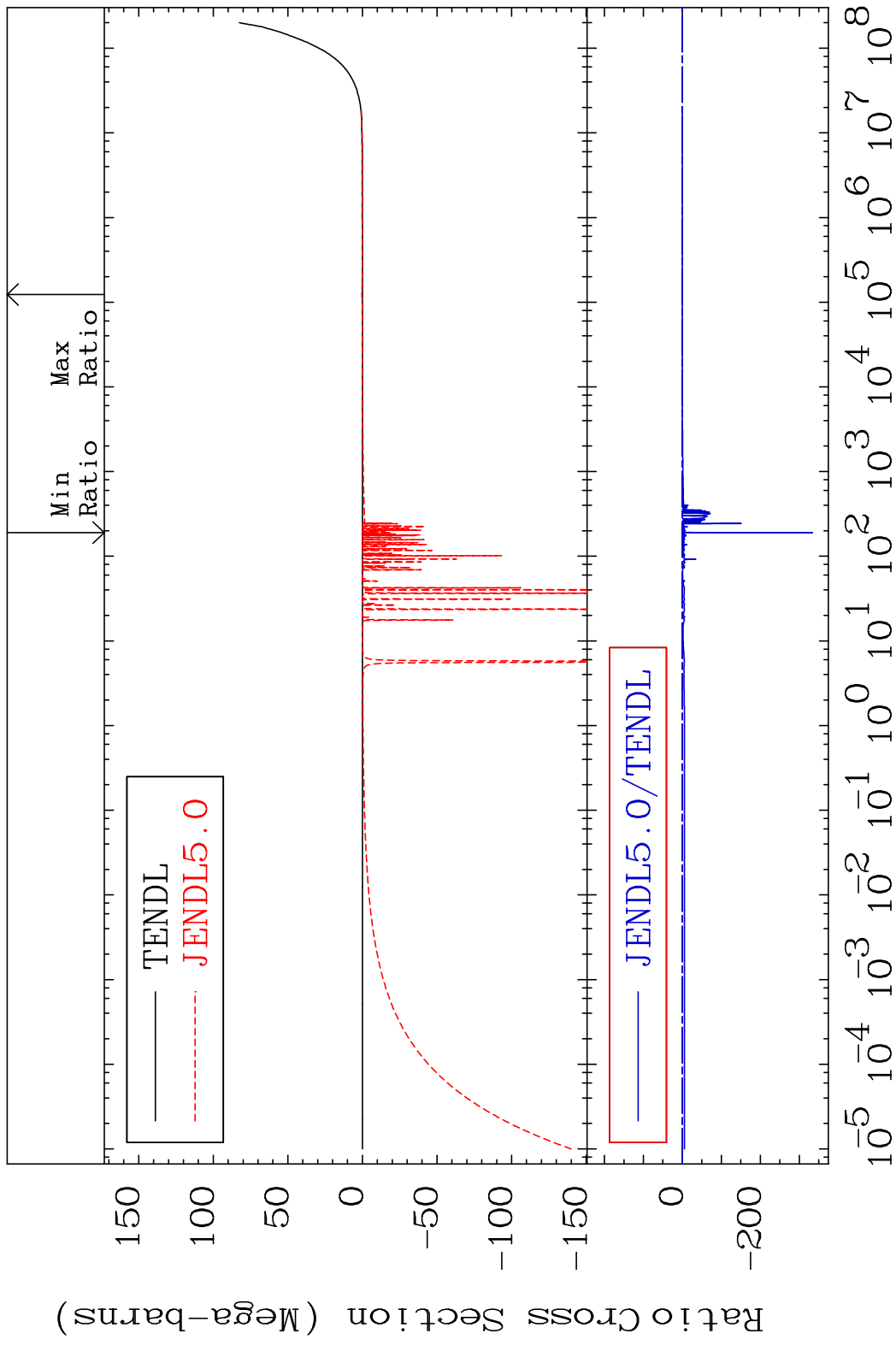


48

Incident Energy (eV)

72-Hf-179

MAT 7240 Kerma total (eV-barns) 72-Hf-179  
Cross Section -9999. To 4895. %

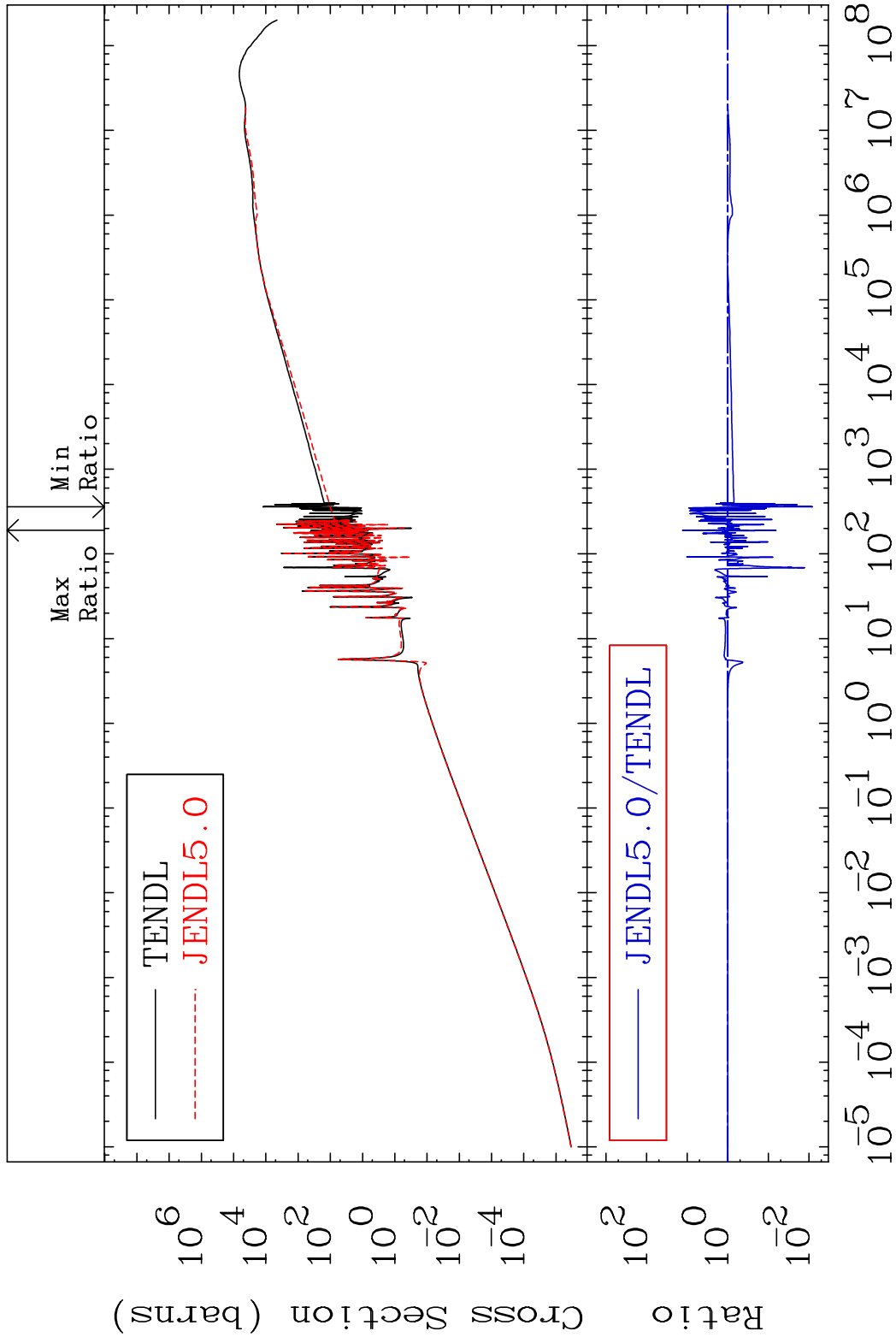


MAT 7240

Kerma elastic

72-Hf-179

Cross Section -99.18 To 1219. %

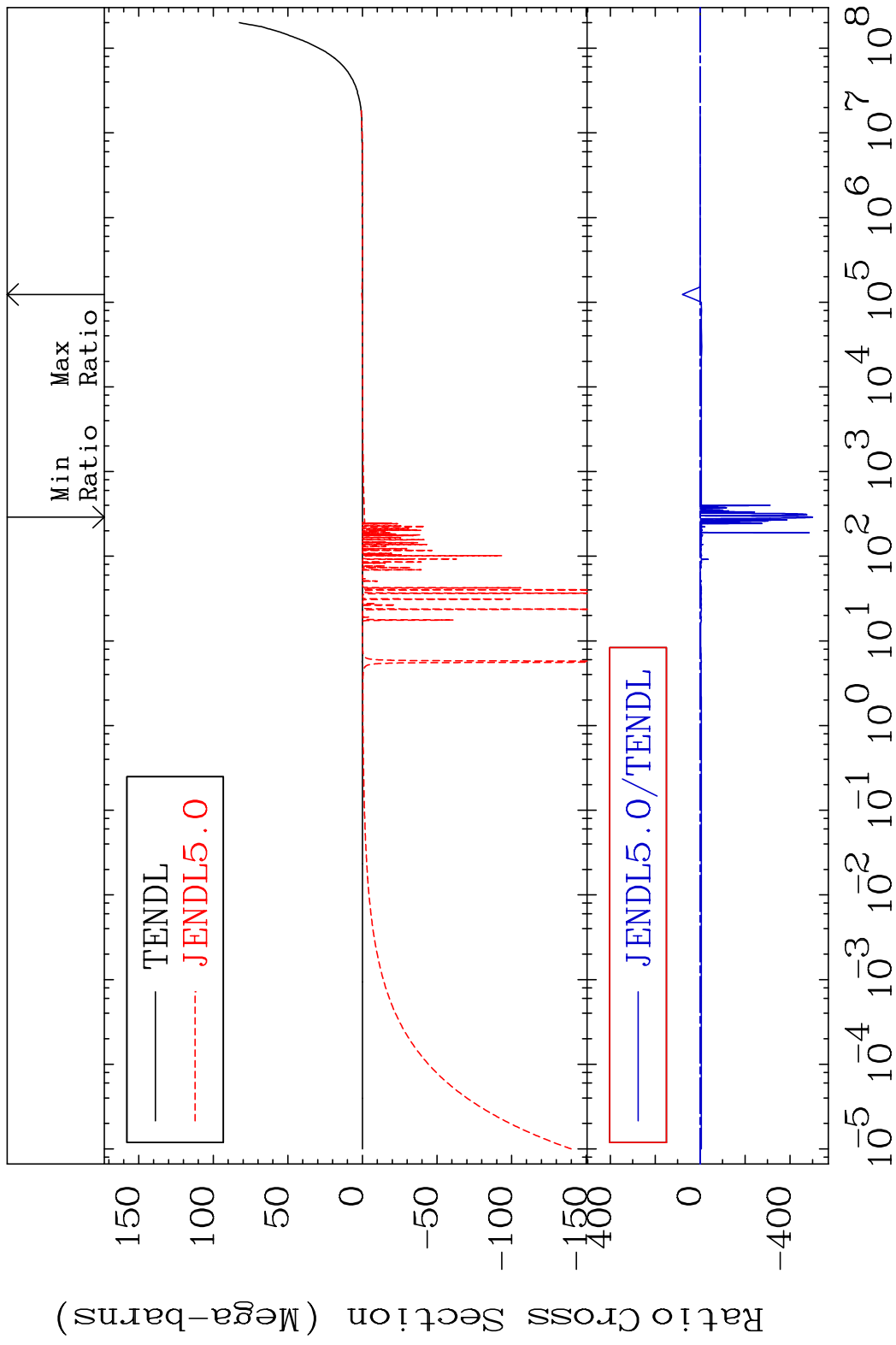


50

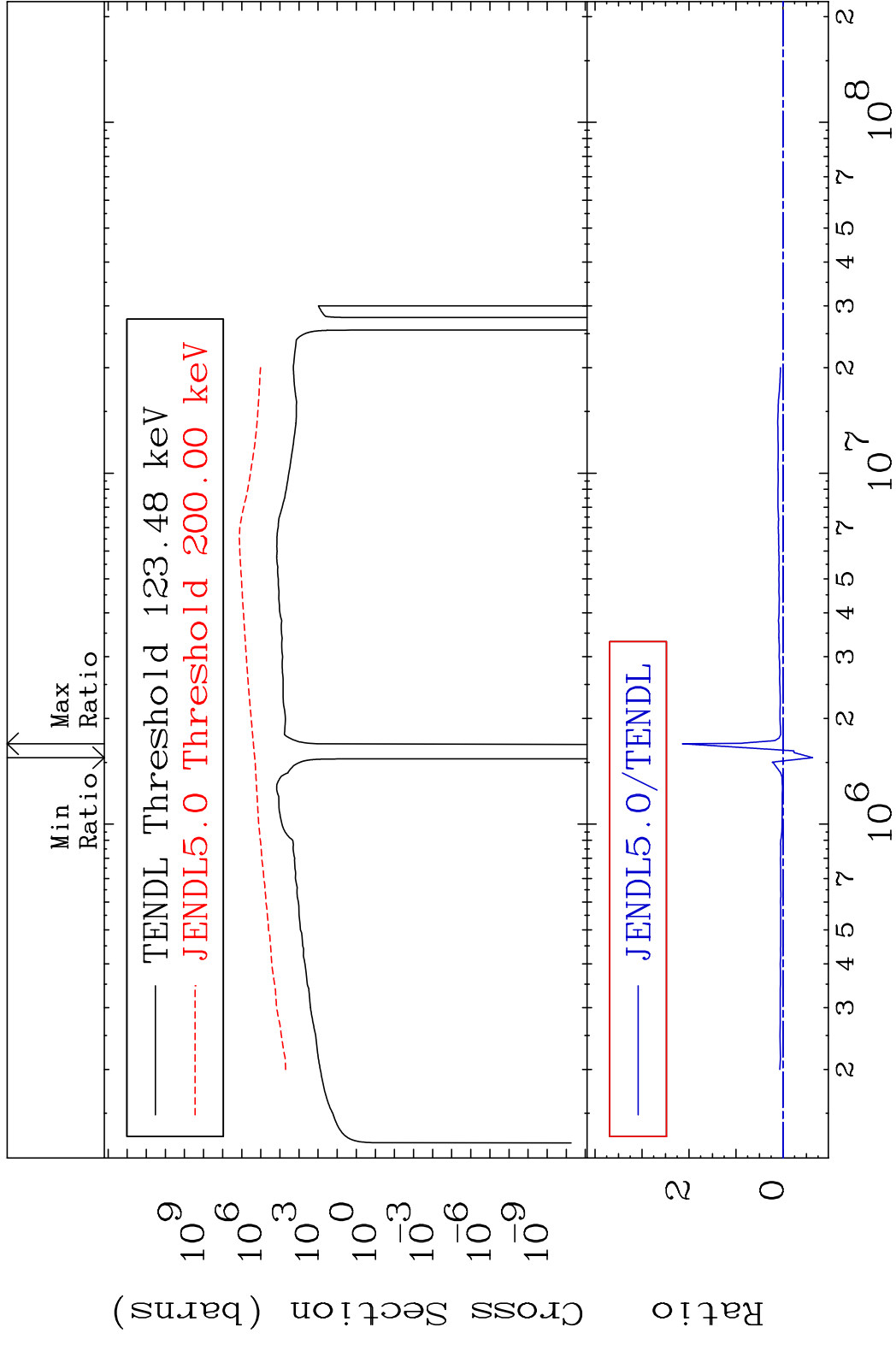
Incident Energy (eV)

72-Hf-179

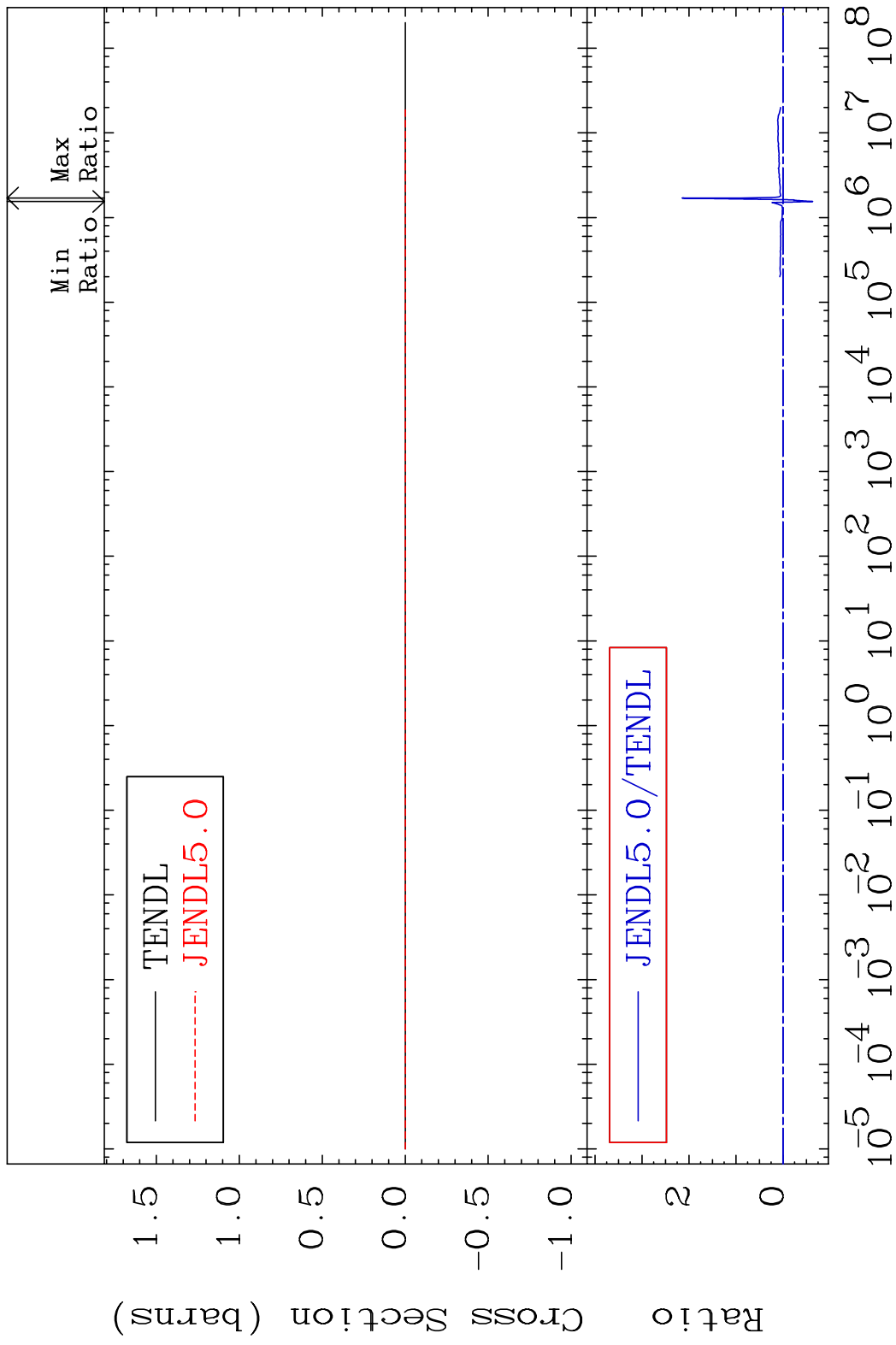
MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179  
 Cross Section -9999. To 9999. %

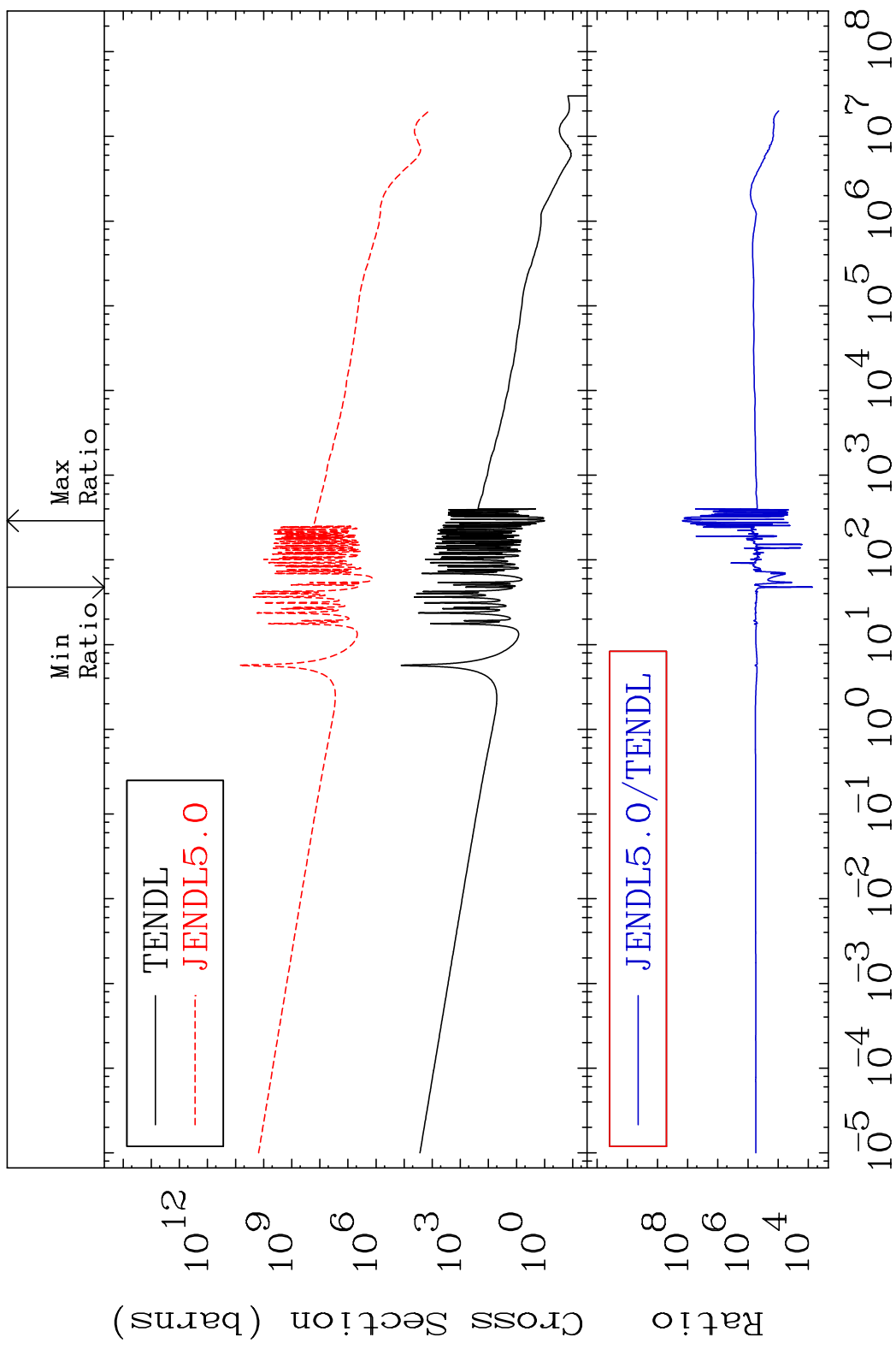


MAT 7240 Kerma inelastic (mt51-91) 72-Hf-179  
 Cross Section -9999. To 9999. %

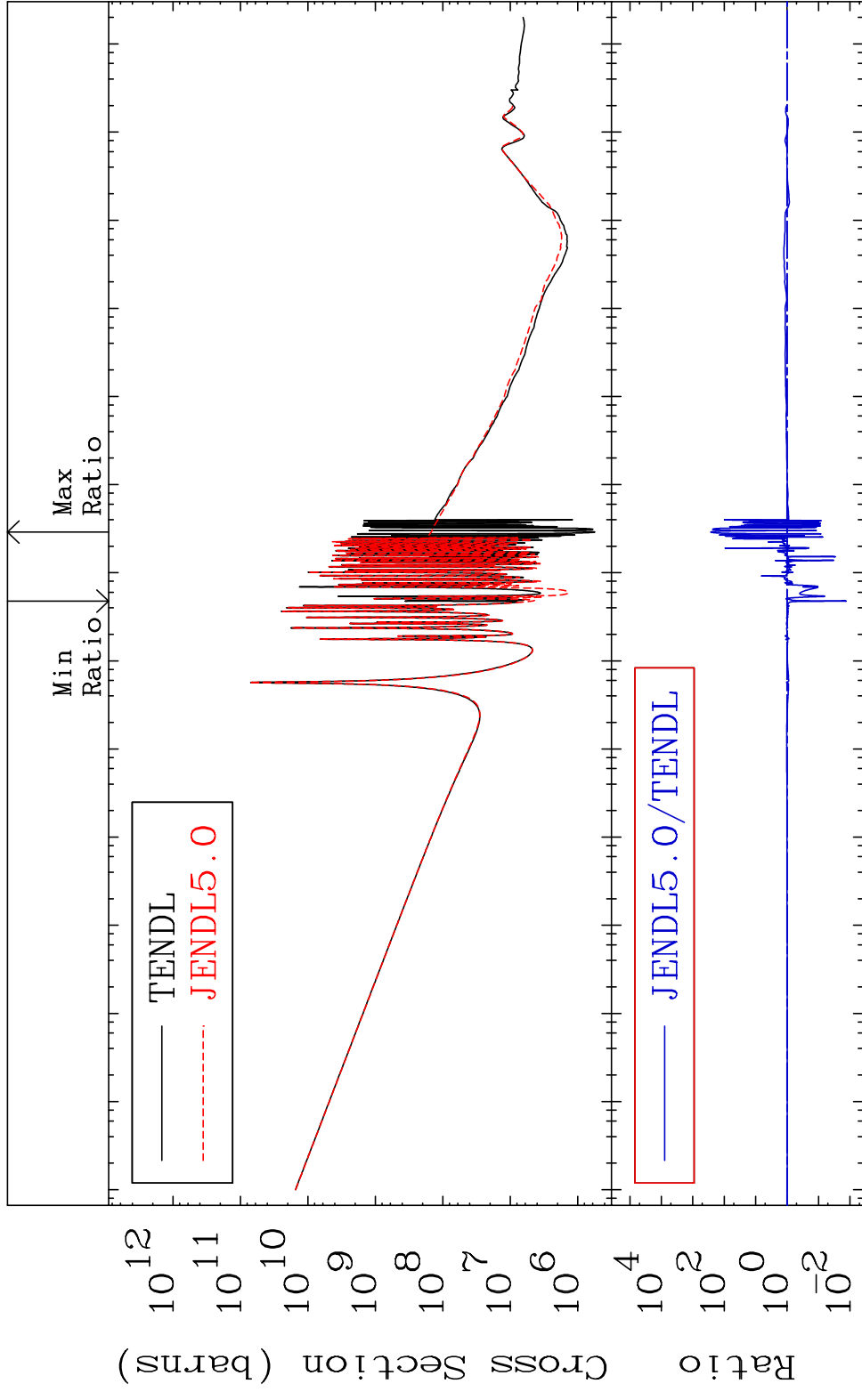


MAT 7240 Kerma fission (mt18 or mt19-20-21-38)72-Hf-179  
 Cross Section -9999. To 9999. %

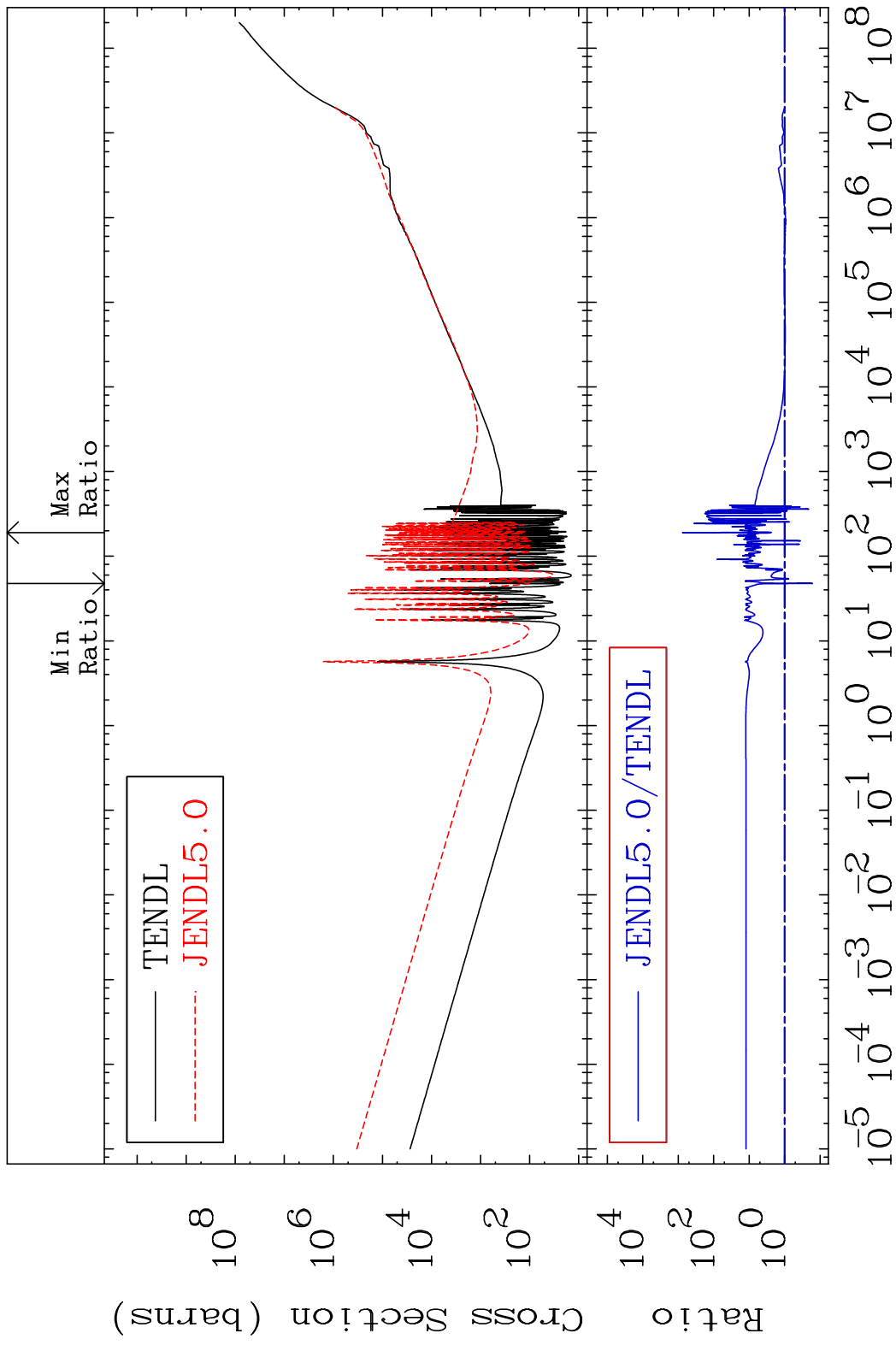




MAT 7240 Total photon (eV-barns) 72-Hf-179  
 Cross Section -98.70 To 9999. %



MAT 7240 Total kinematic kerma (high limit) 72-Hf-179  
 Cross Section -83.64 To 9999. %

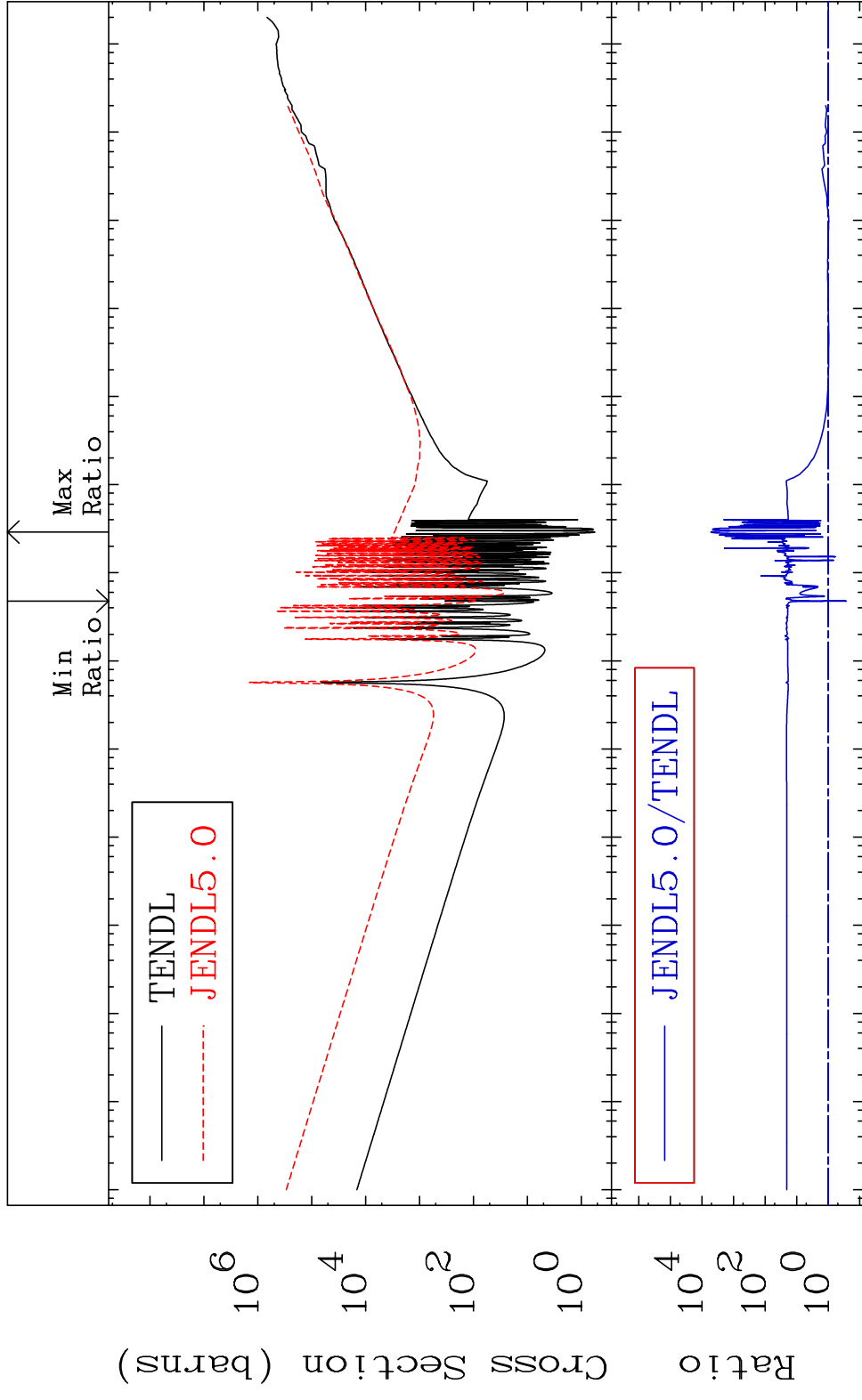


MAT 7240

Dpa total (eV-barns)

72-Hf-179

Cross Section -73.32 To 9999. %

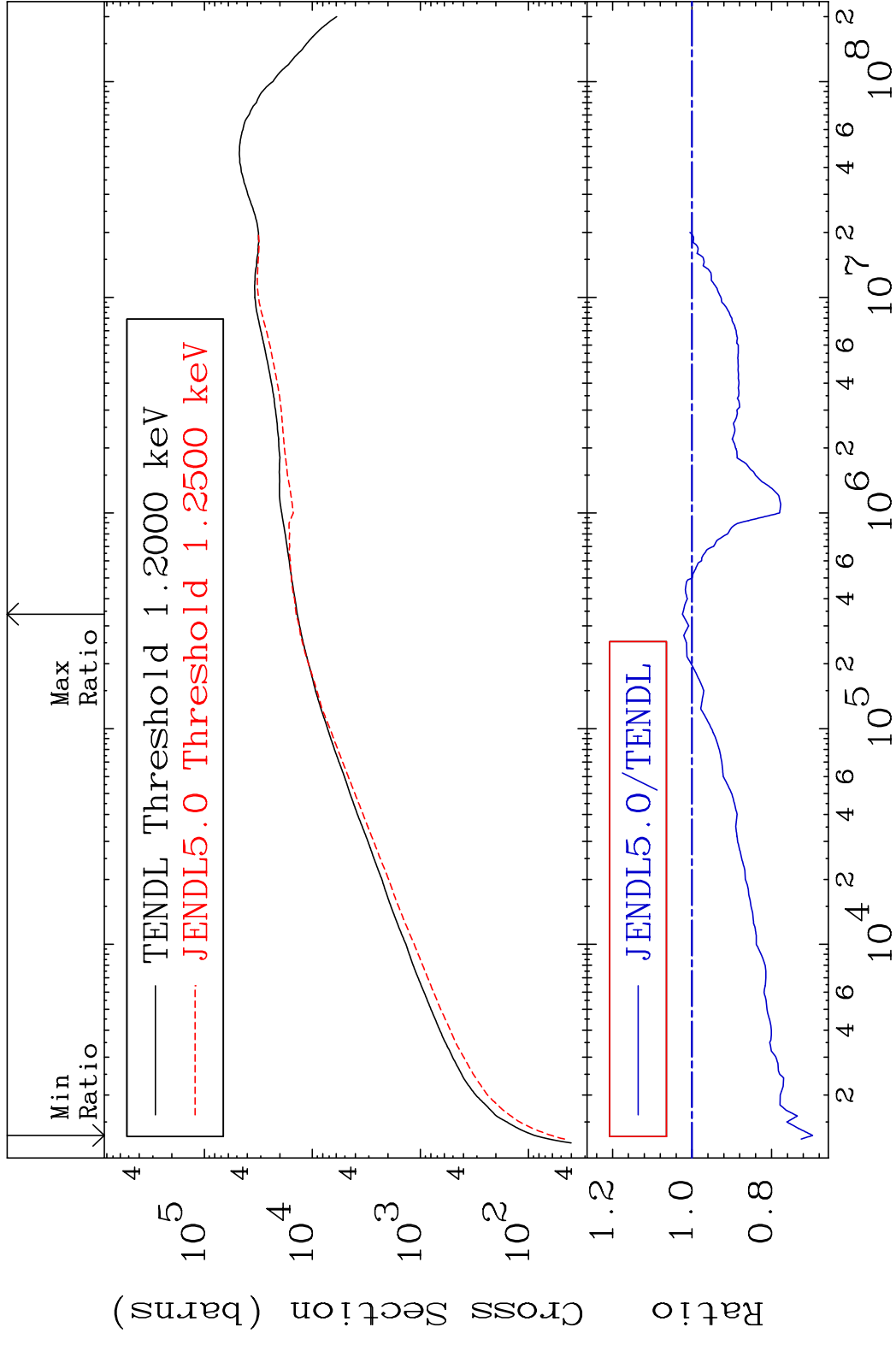


MAT 7240

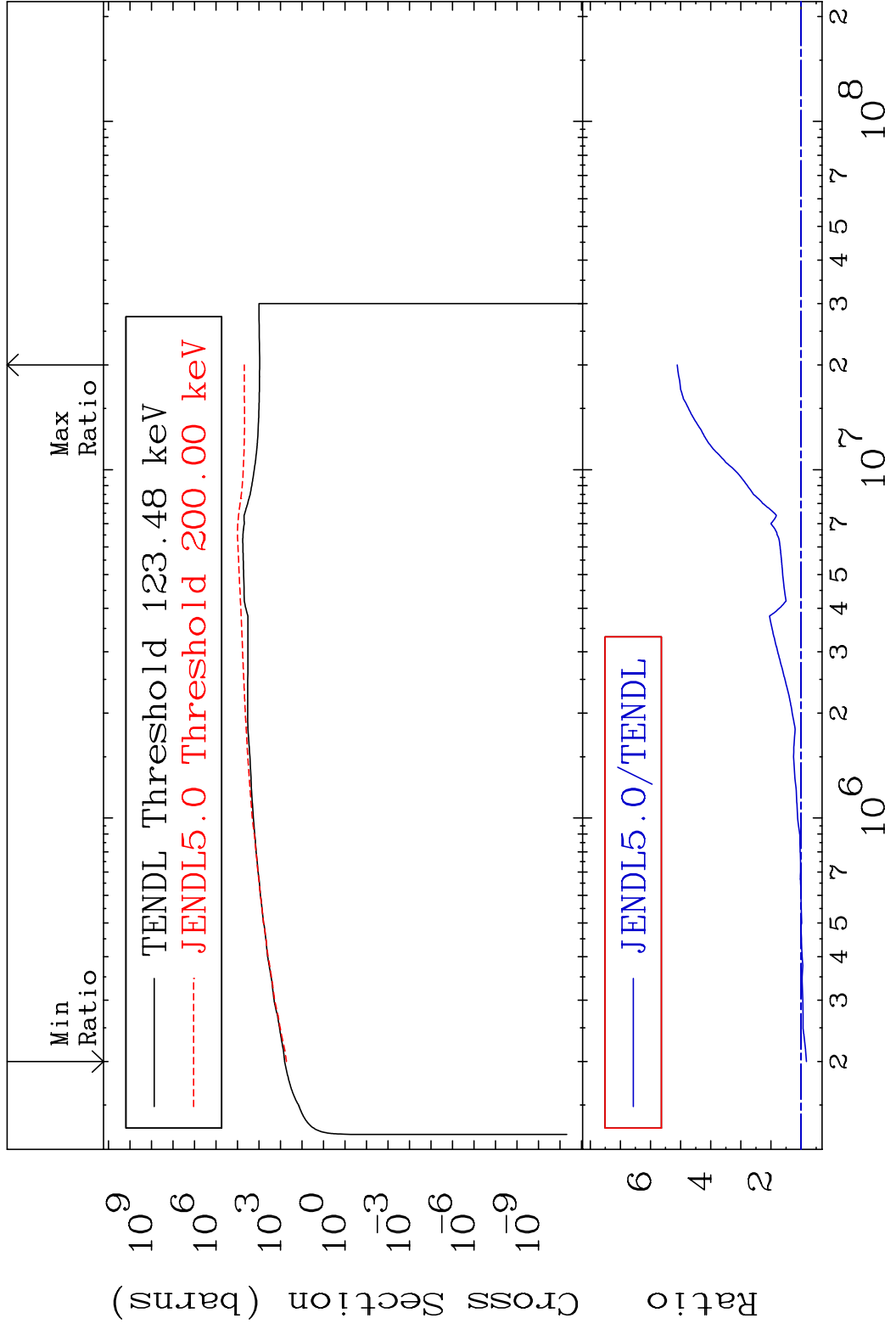
Dpa elastic (mt2)

72-Hf-179

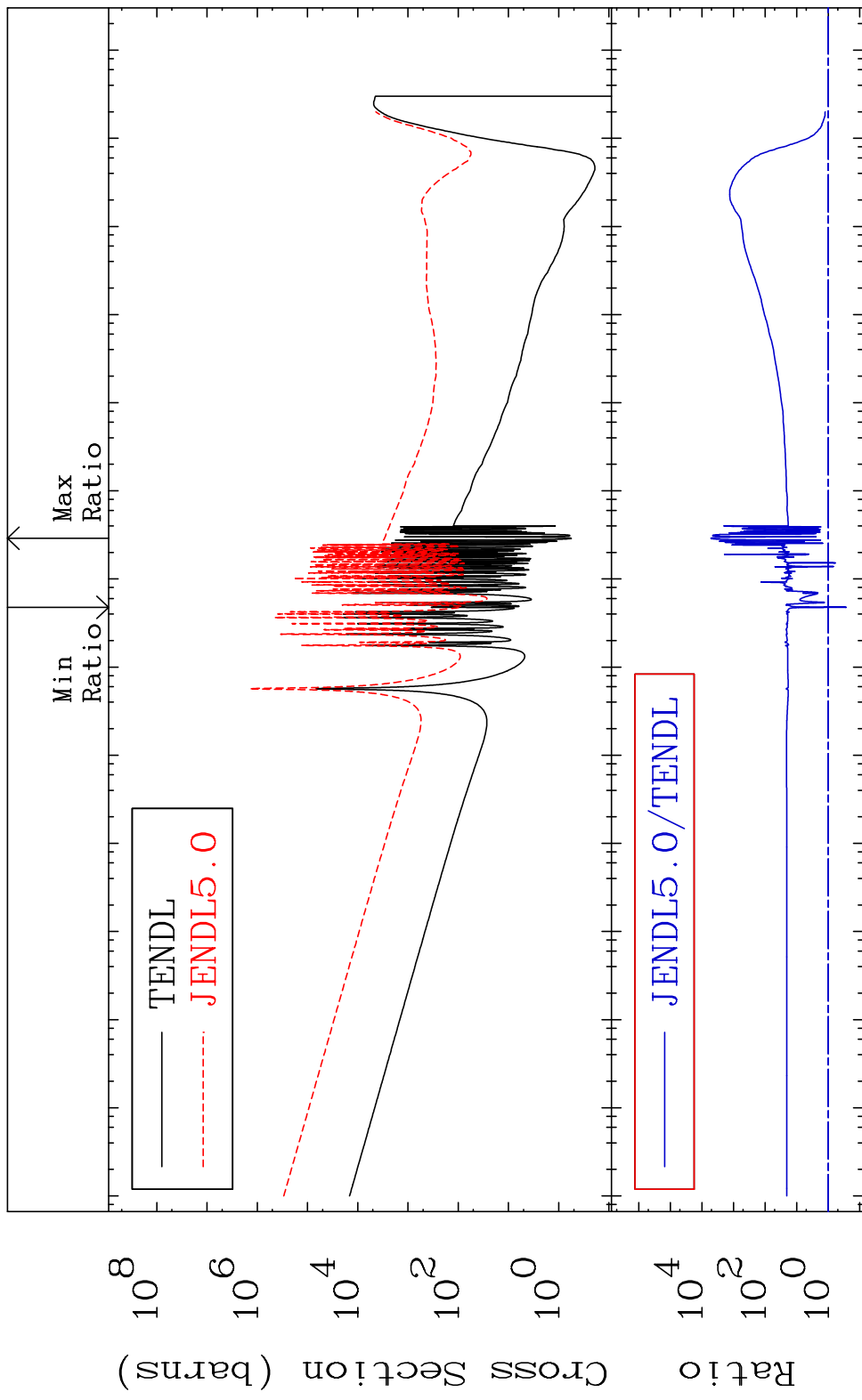
Cross Section -30.32 To 2.435 %



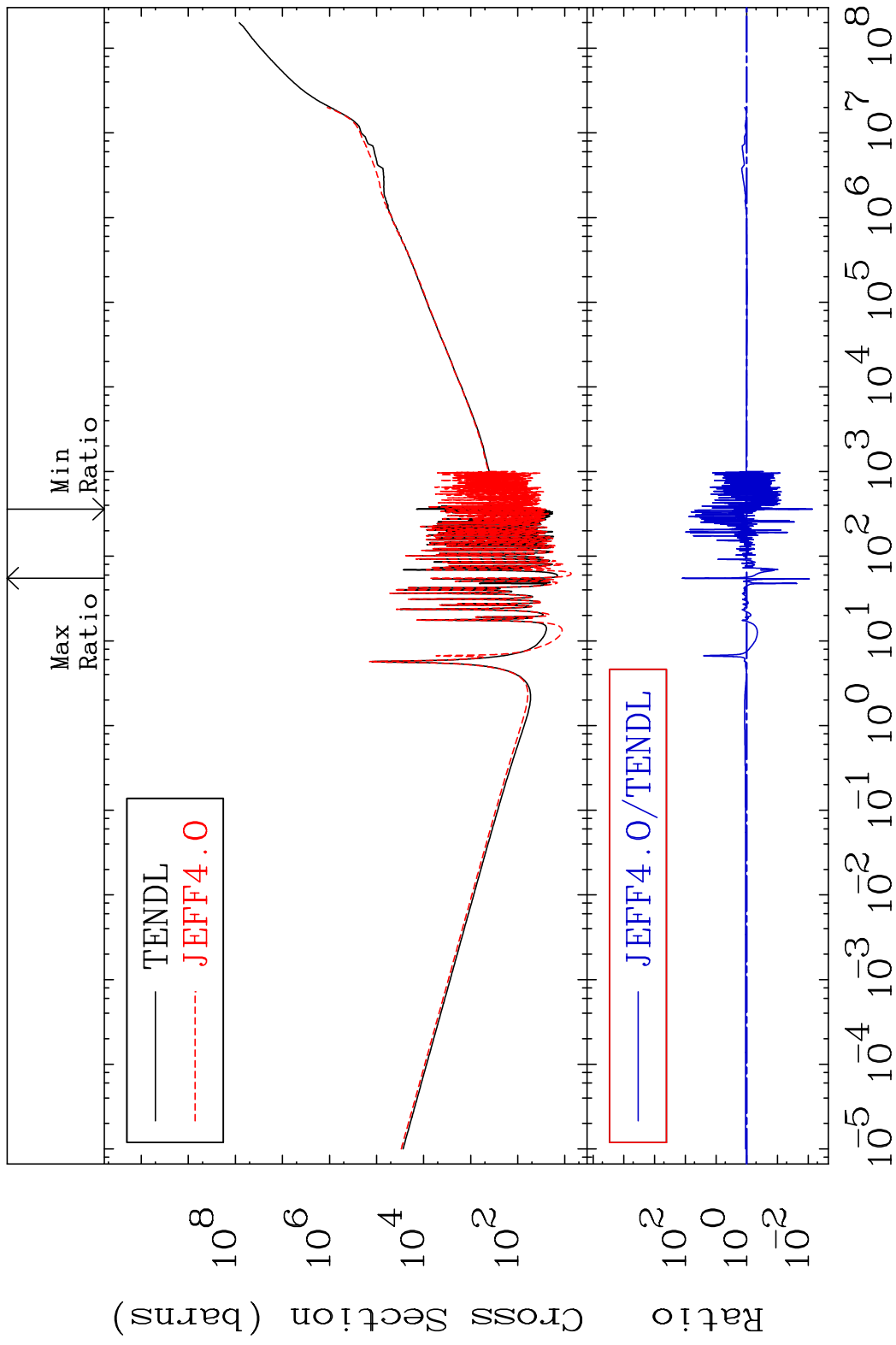
MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179  
 Cross Section -17.71 To 411.4 %



MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179  
 Cross Section -73.32 To 9999. %



MAT 7240 Total kinematic kerma (high limit) 72-Hf-179  
 Cross Section -99.28 To 9999. %

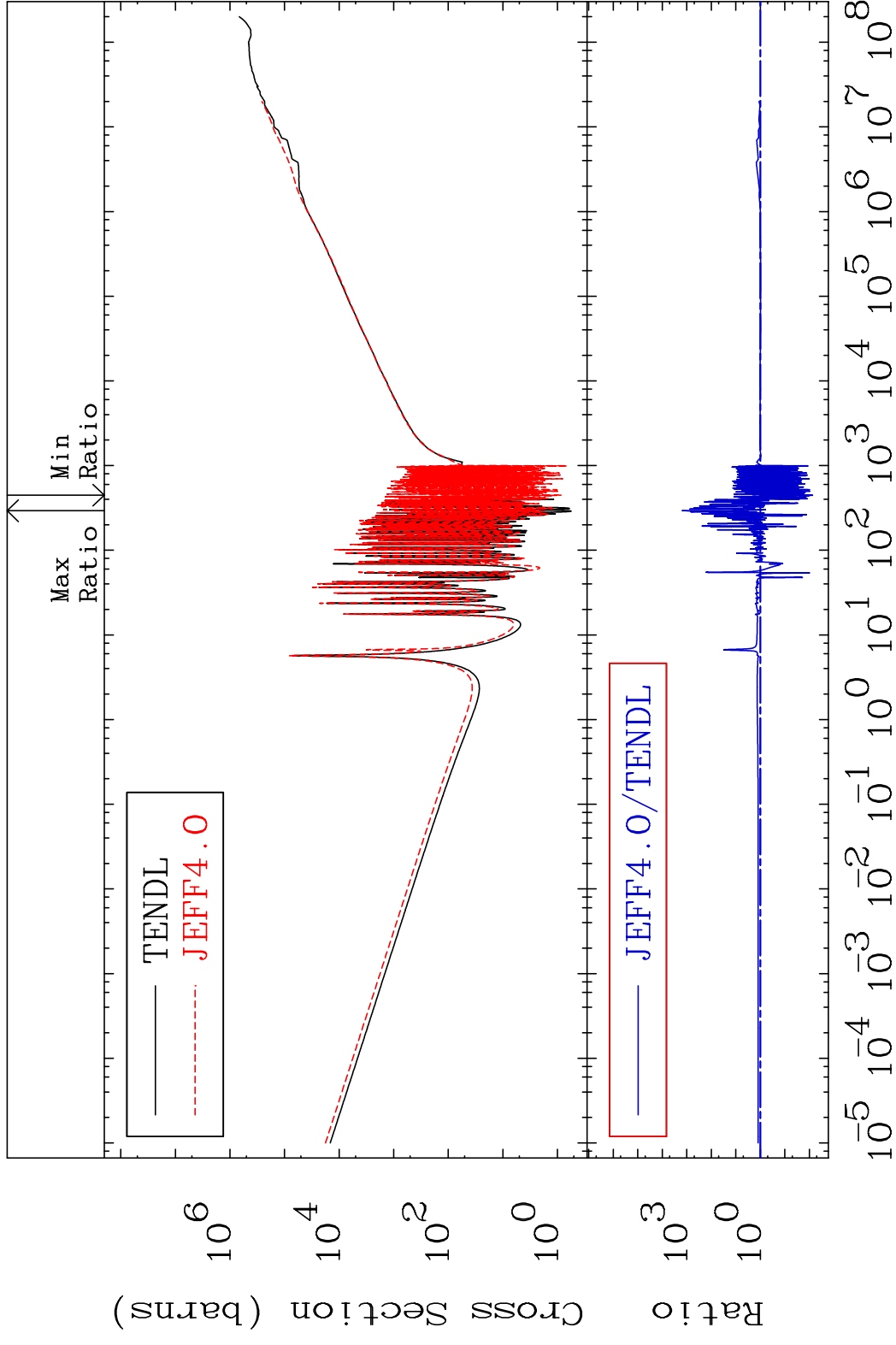


MAT 7240

Dpa total (eV-barns)

72-Hf-179

Cross Section -99.26 To 9999. %



62

Incident Energy (eV)

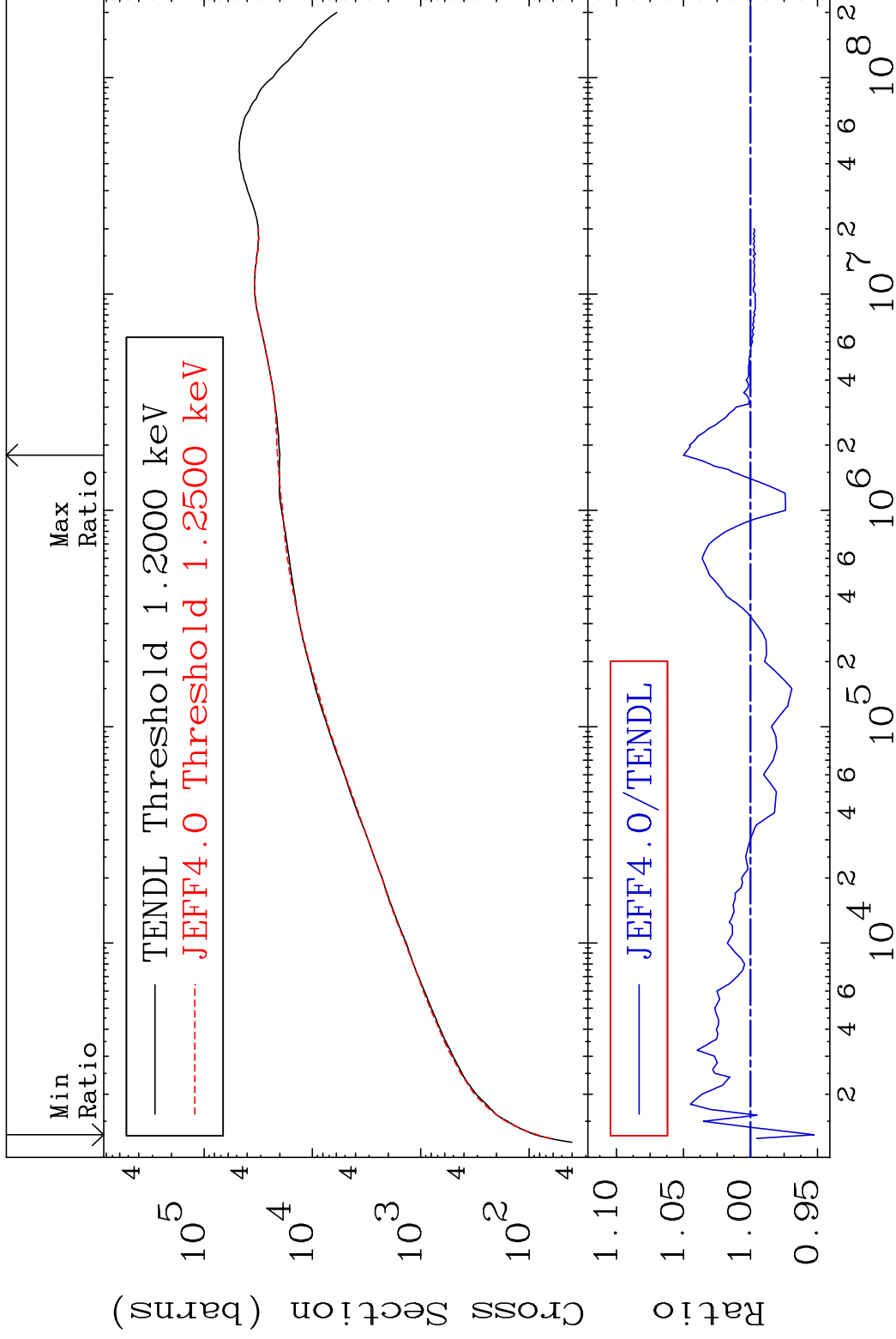
72-Hf-179

MAT 7240

Dpa elastic (mt2)

72-Hf-179

Cross Section -4.741 To 5.005 %

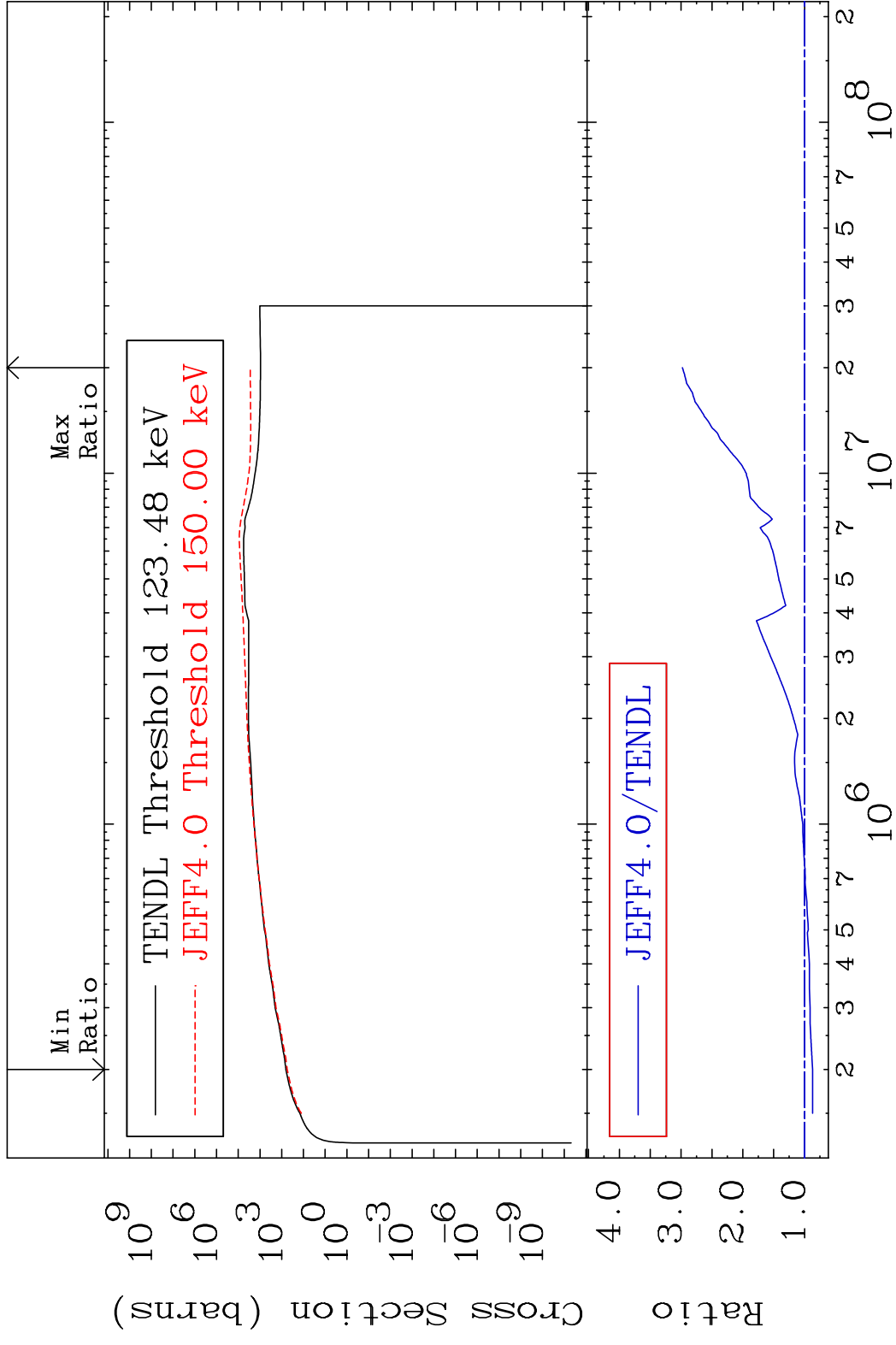


63

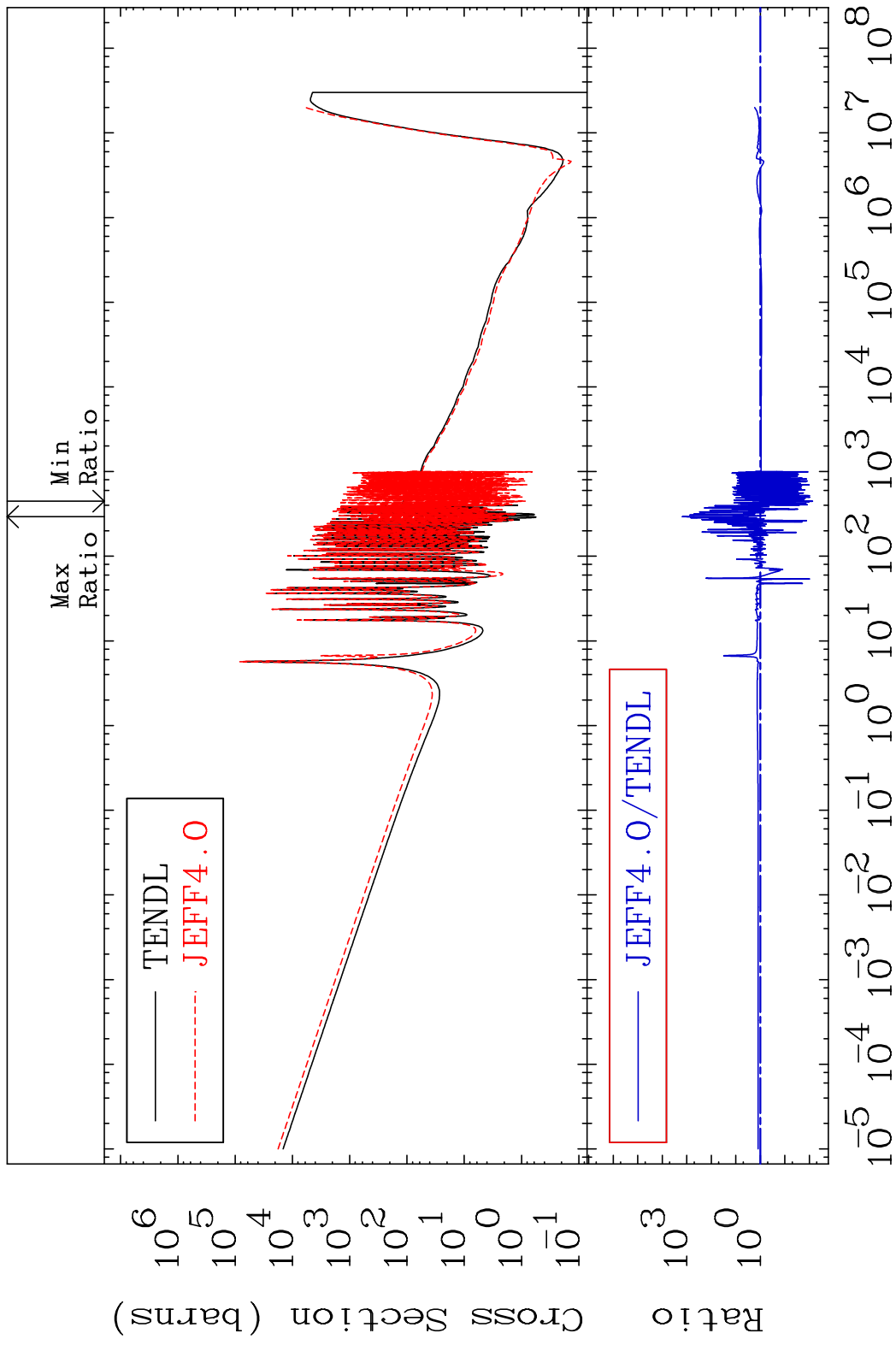
Incident Energy (eV)

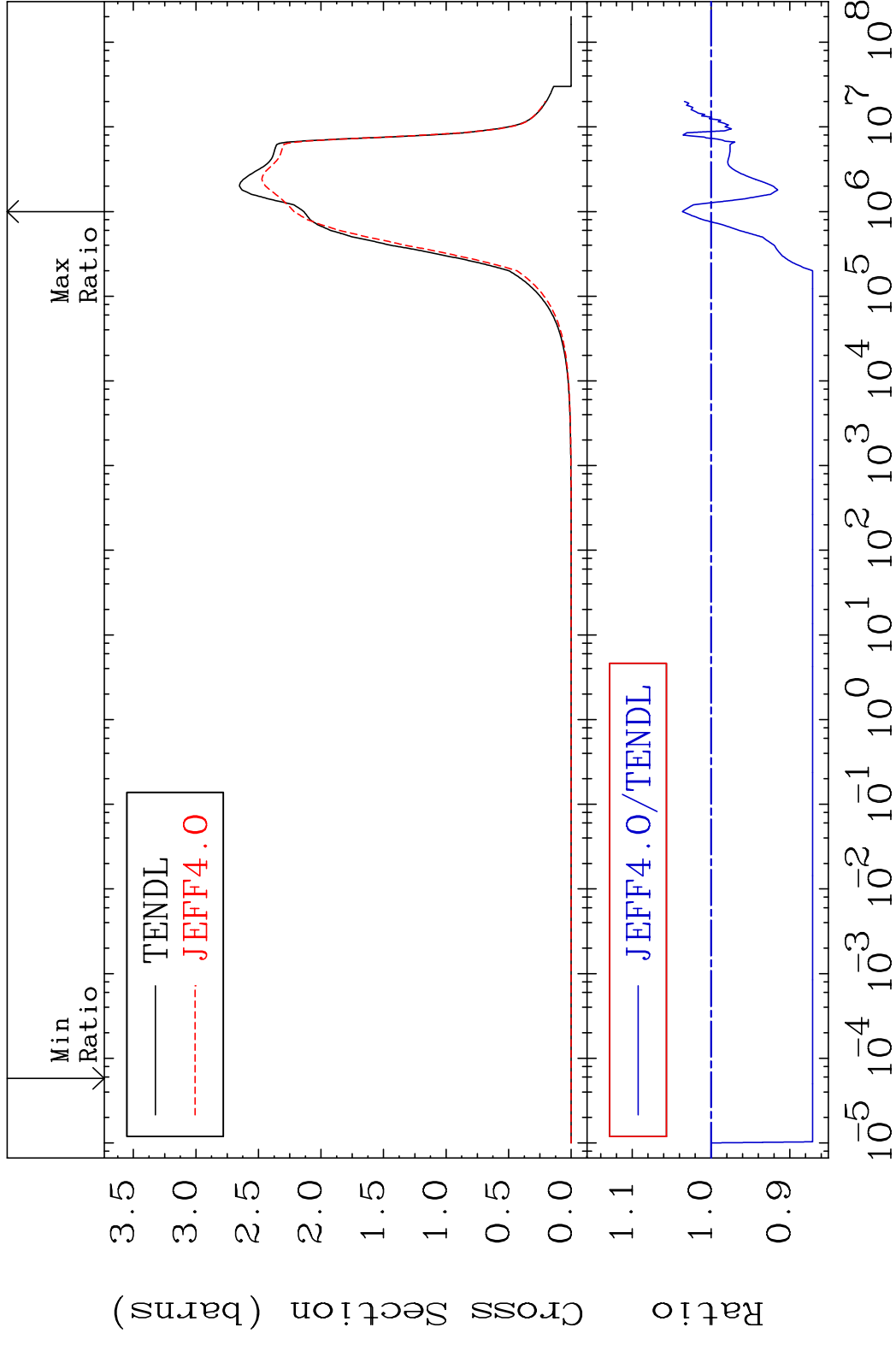
72-Hf-179

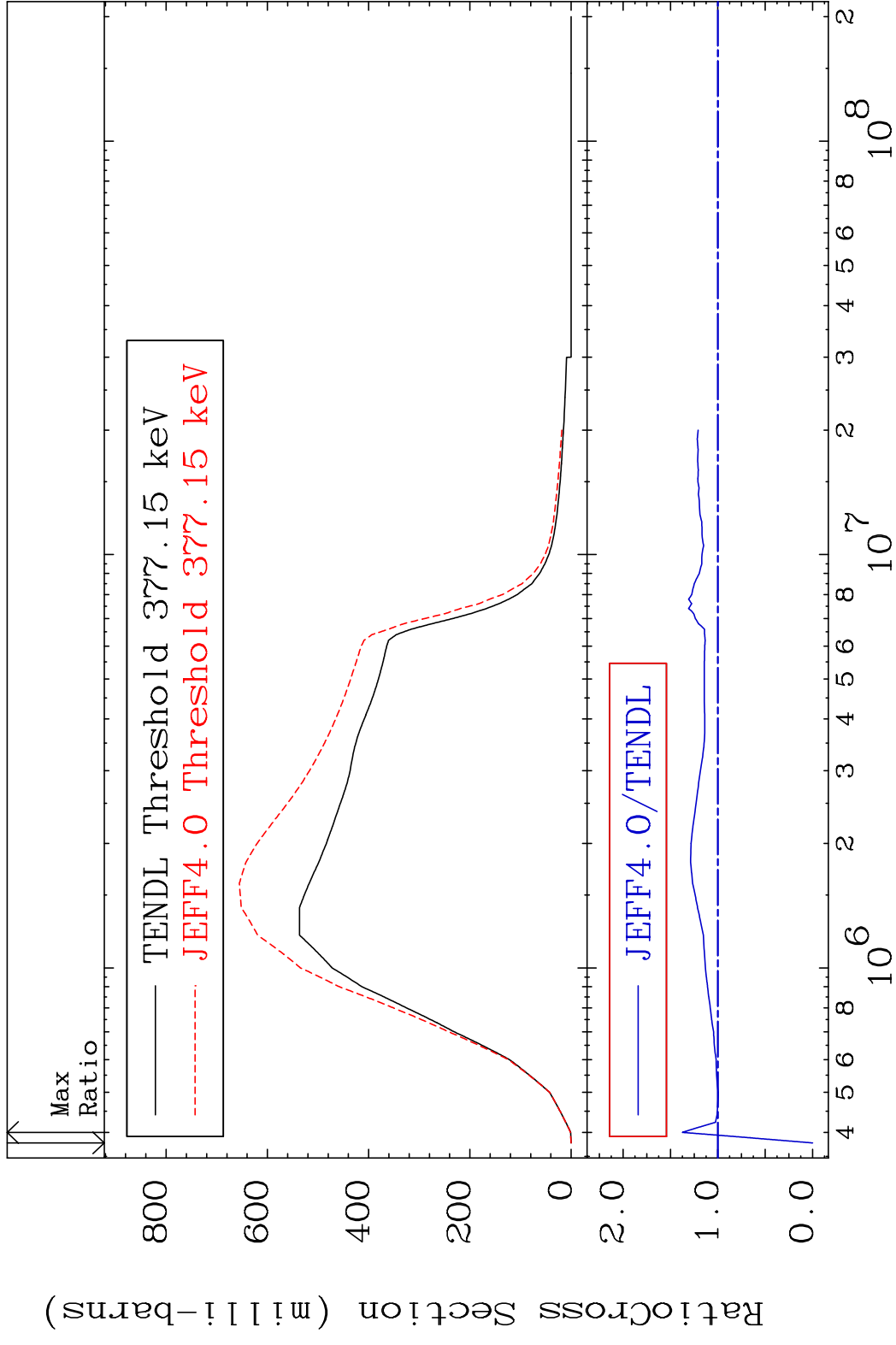
MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179  
 Cross Section -12.99 To 197.9 %



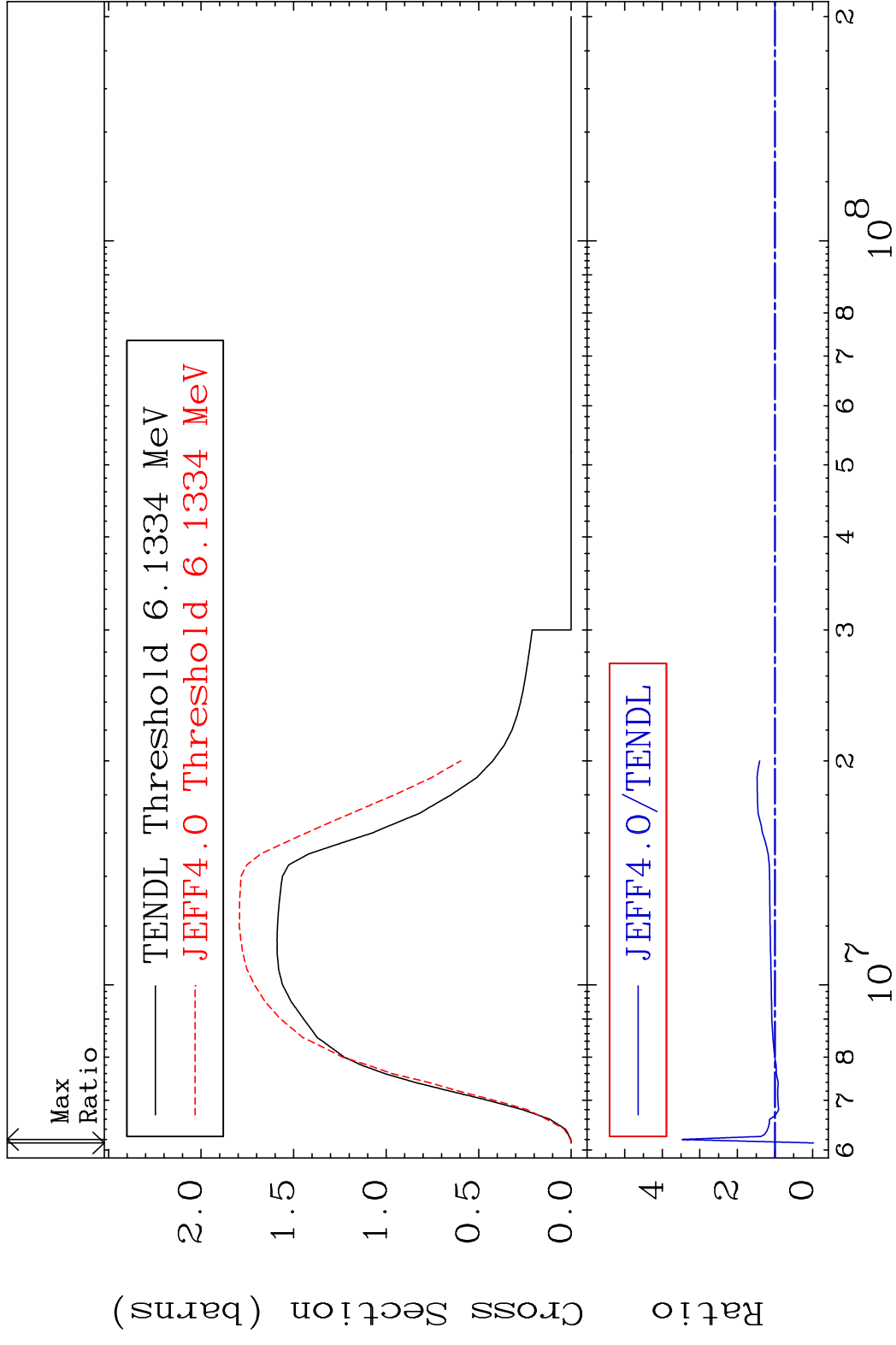
MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179  
 Cross Section -99.26 To 9999. %



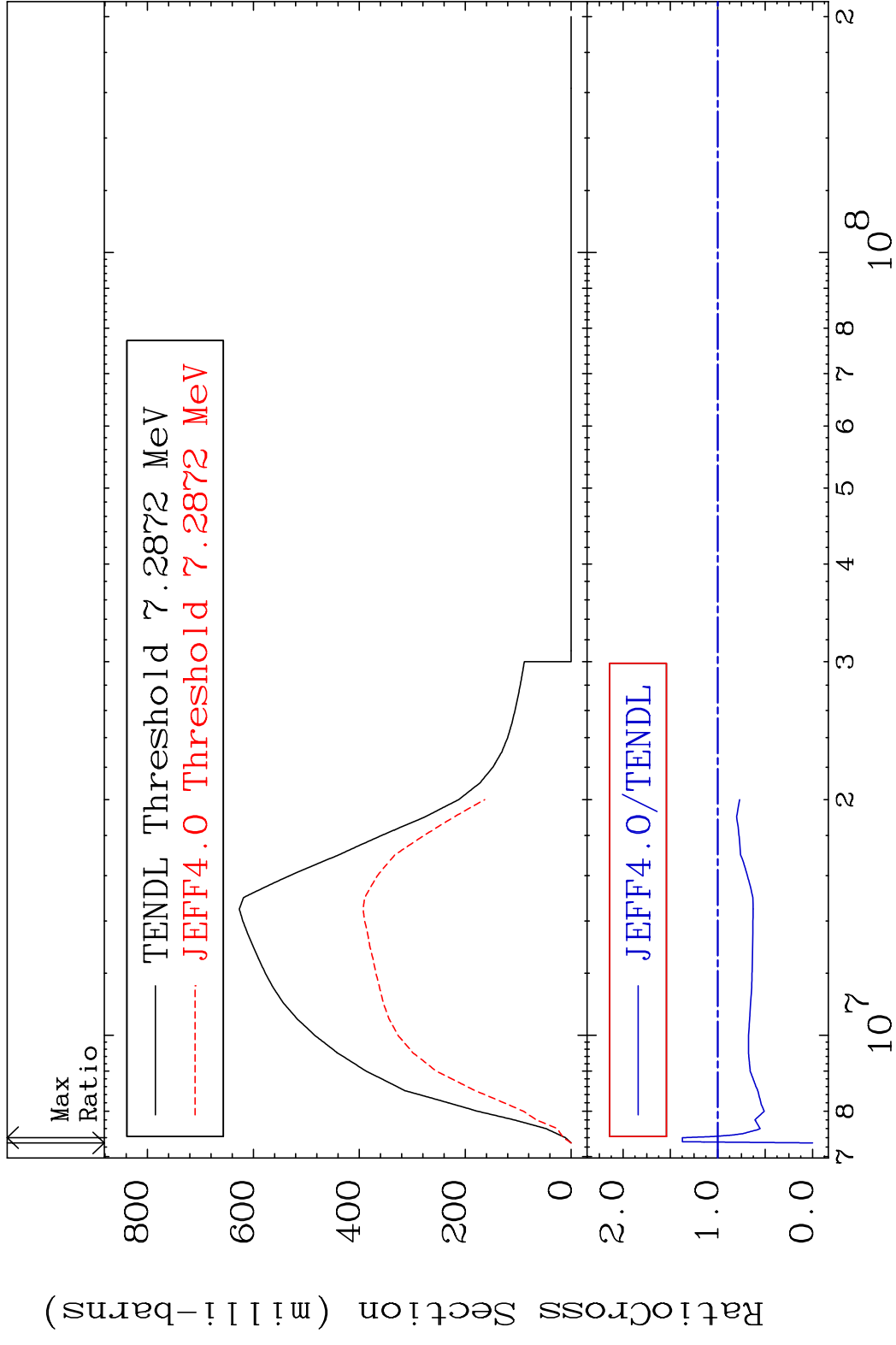




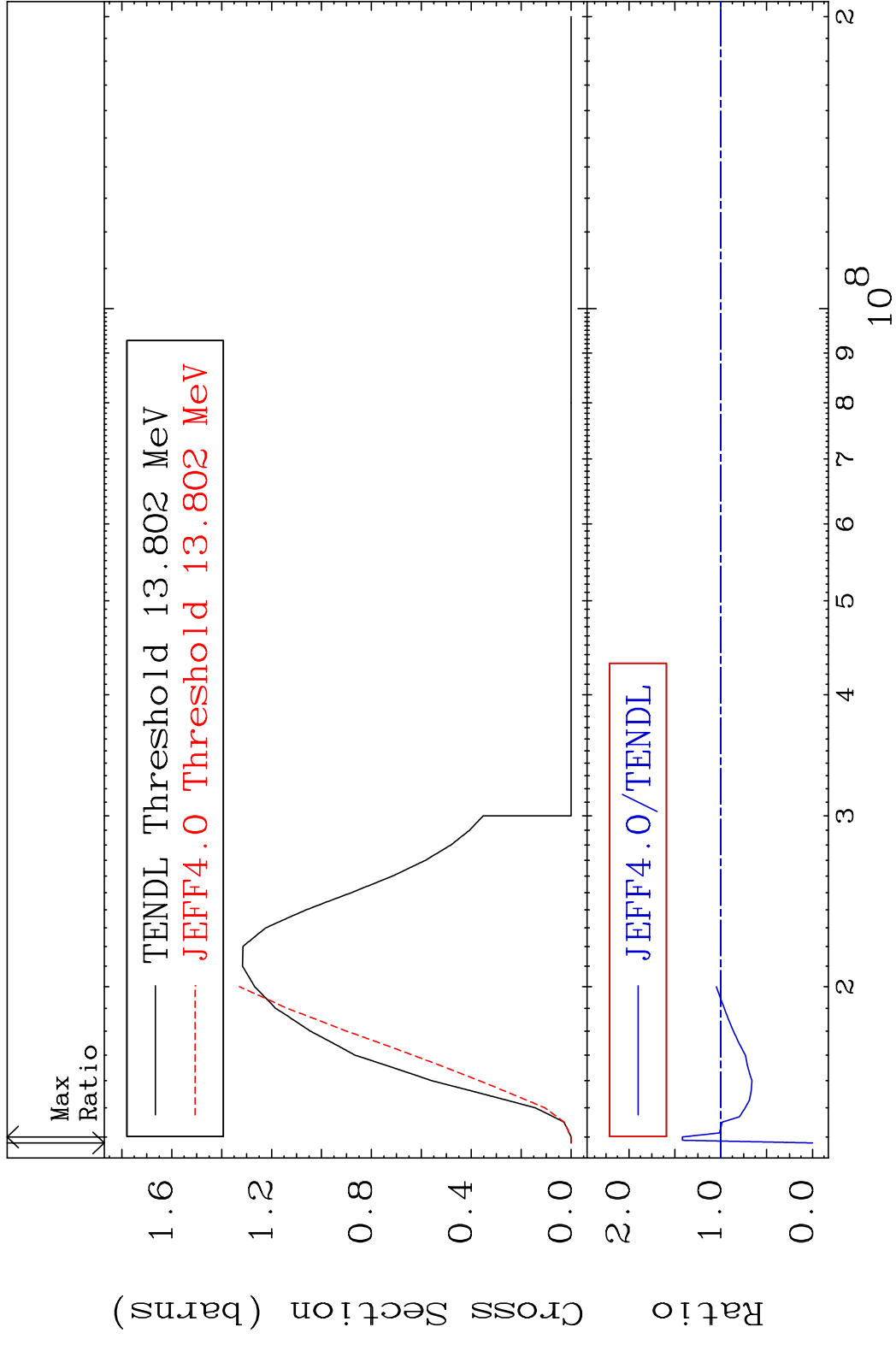
MAT 7240 (n,2n):72-Hf-178g 72-Hf-179  
 Radionuclide Production Cross Section Ratio 246.4 %

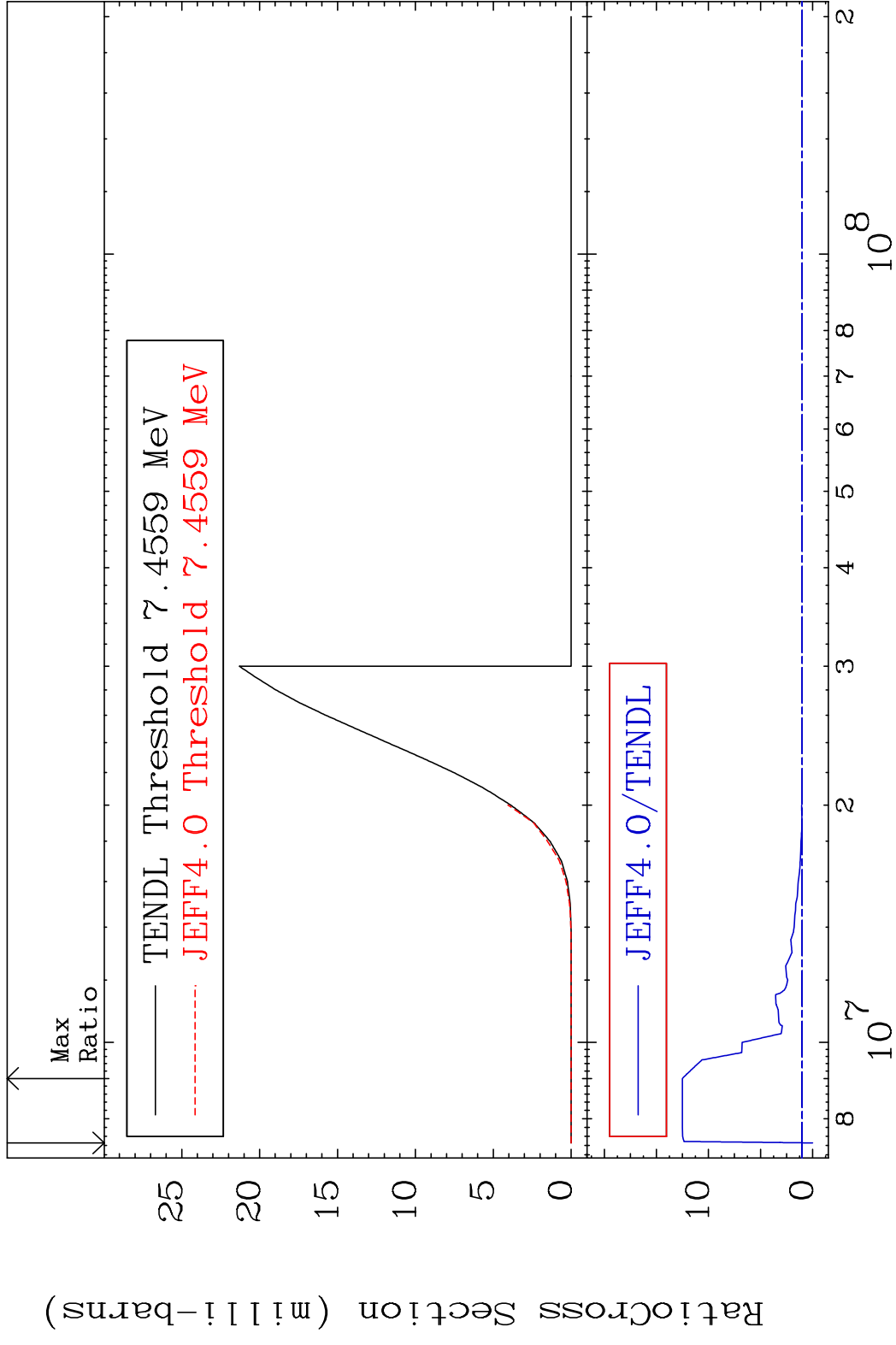


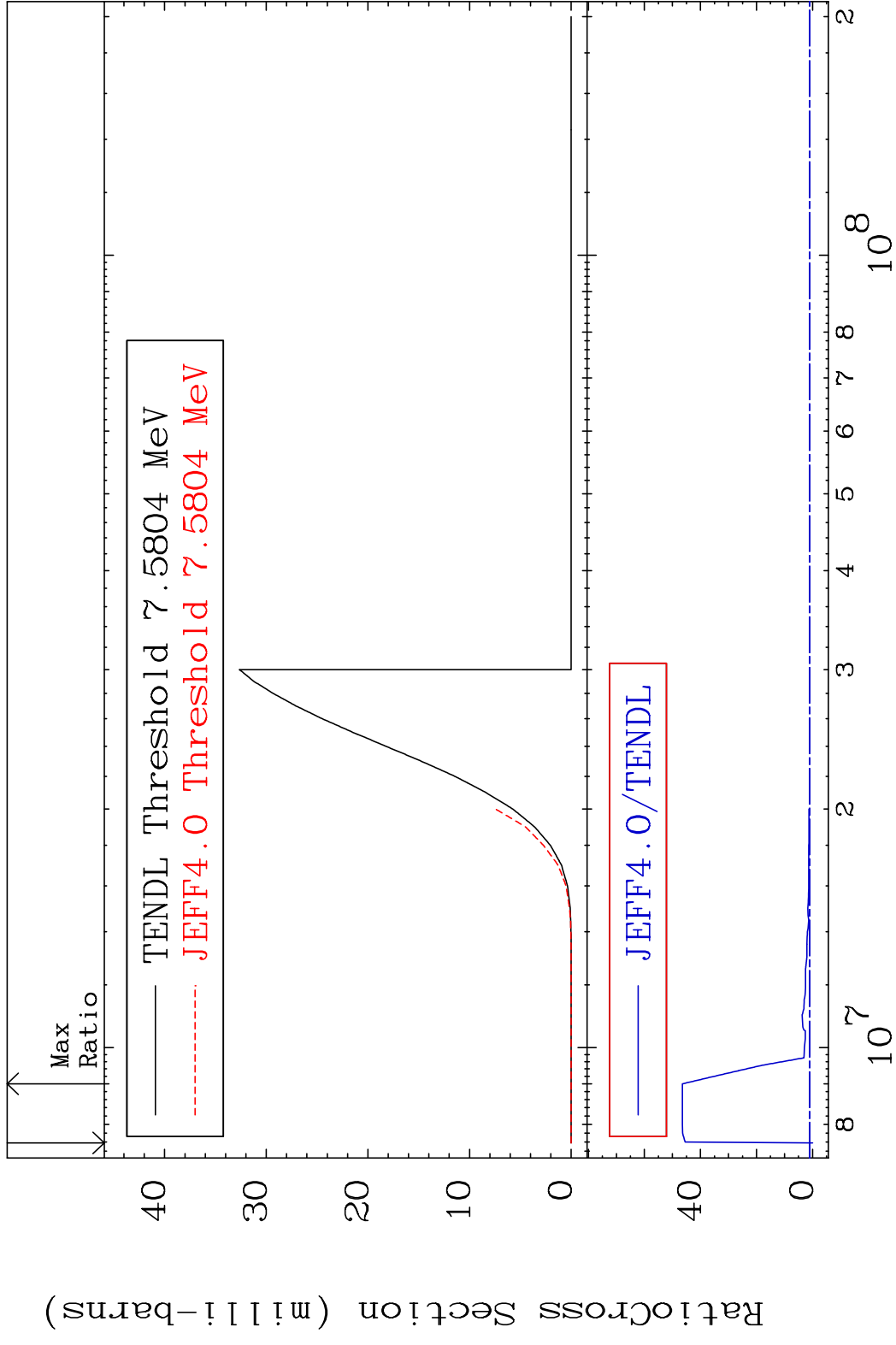
MAT 7240 (n,2n):72-Hf-178m5 72-Hf-179  
 Radionuclide Production Cross Section 180.01 dth 37.39 %

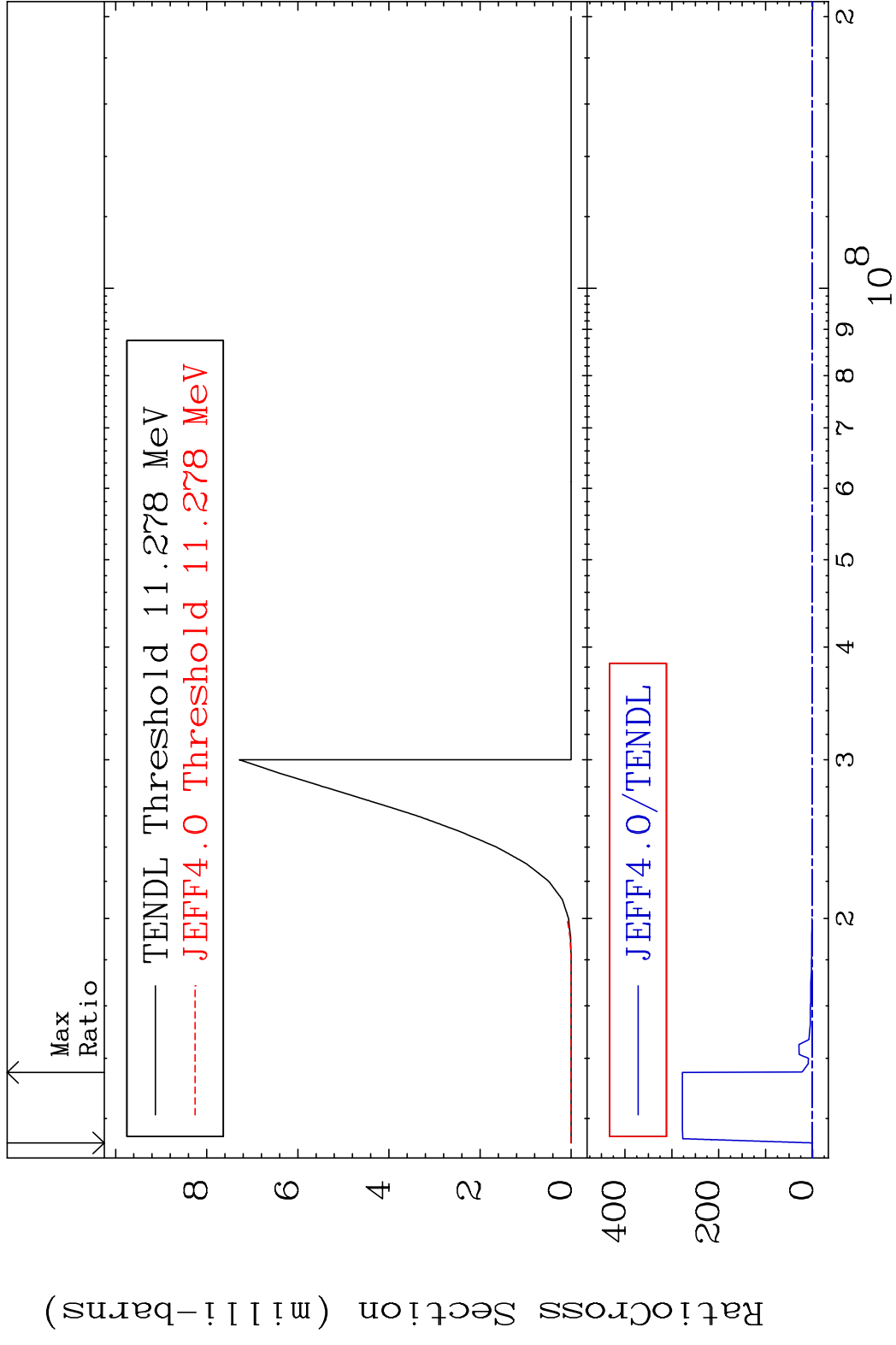


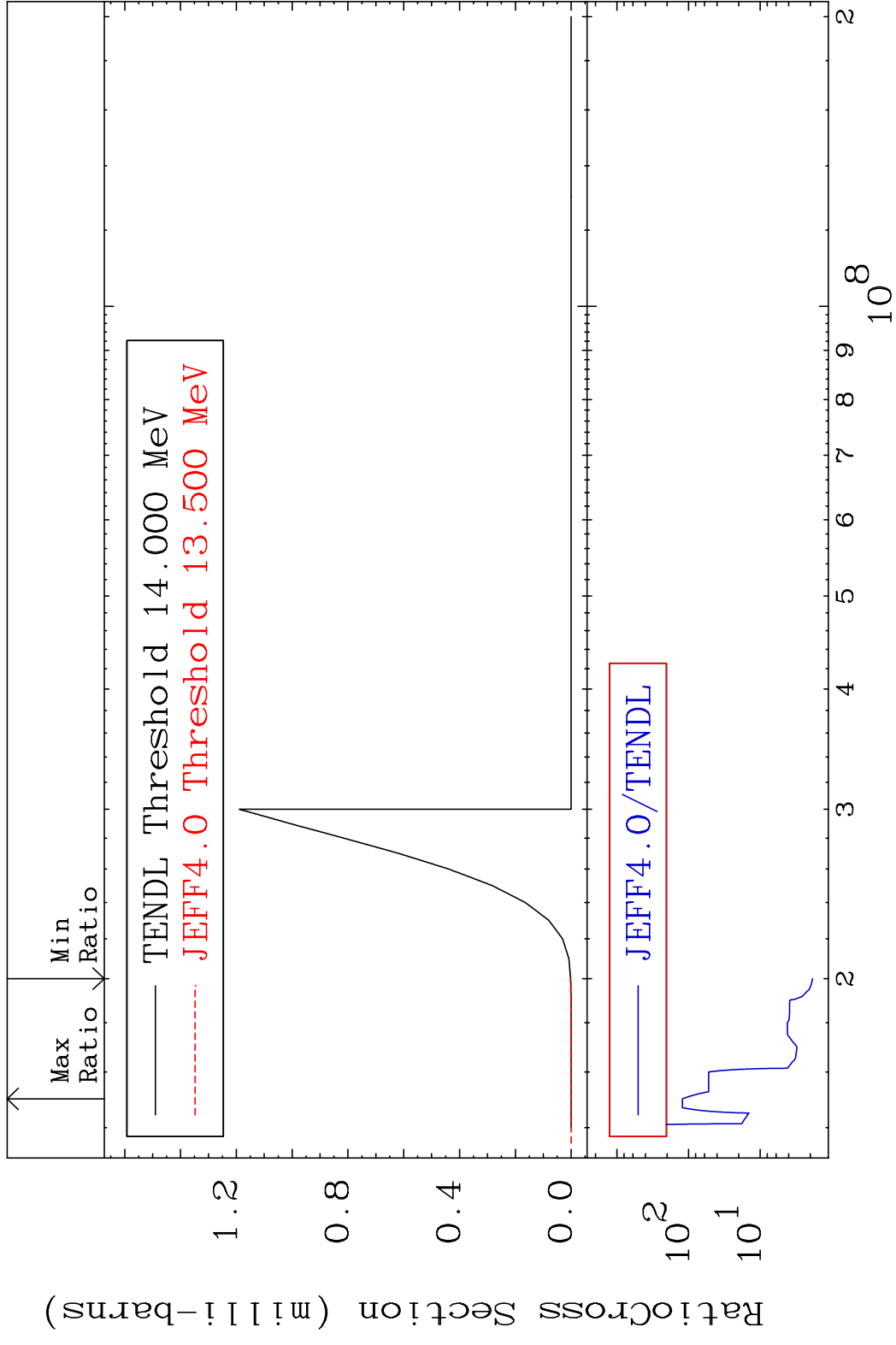
MAT 7240 (n,3n):72-Hf-177g 72-Hf-179  
 Radionuclide Production Cross Section 180.01 dno 41.81 %



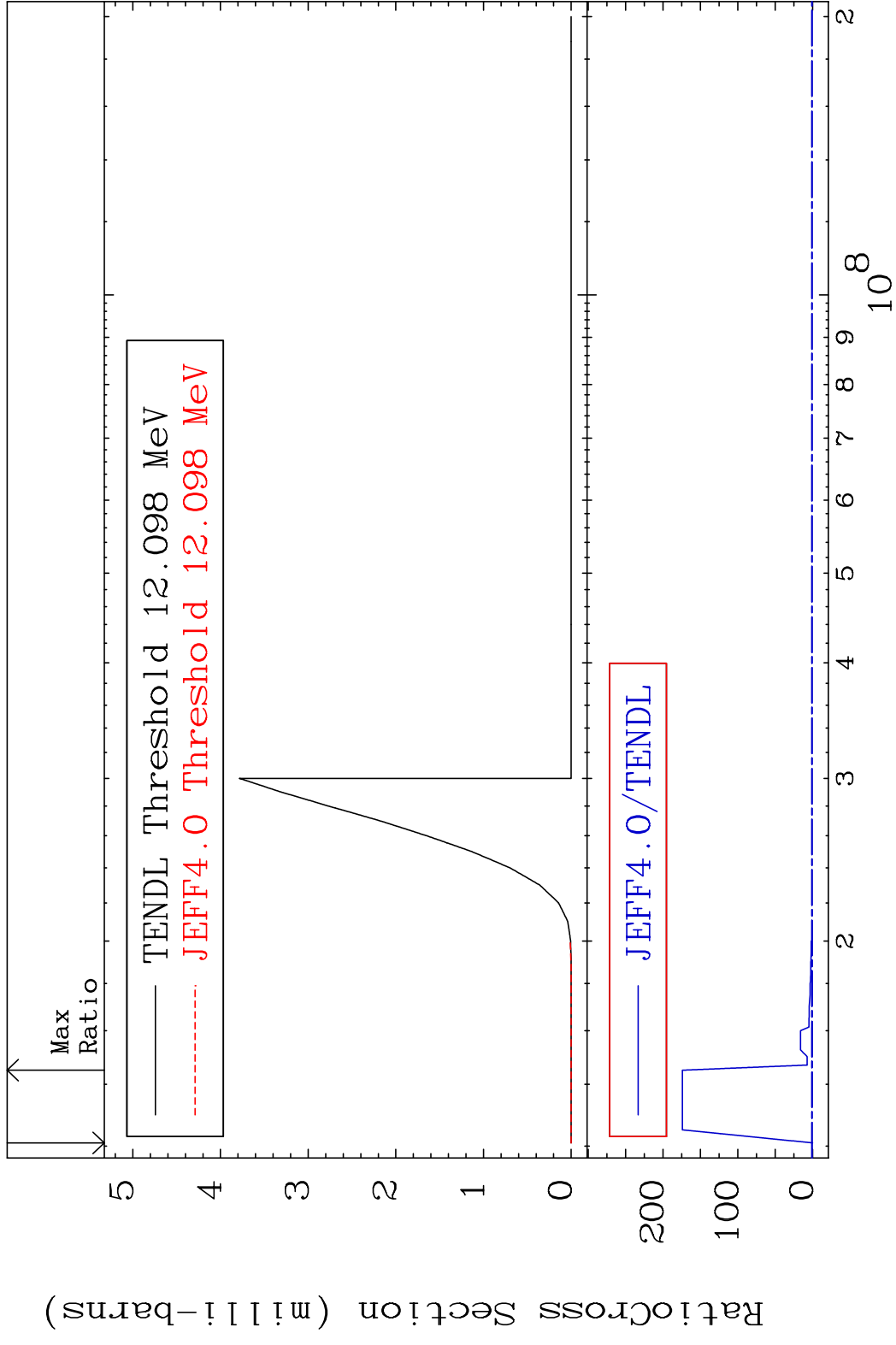


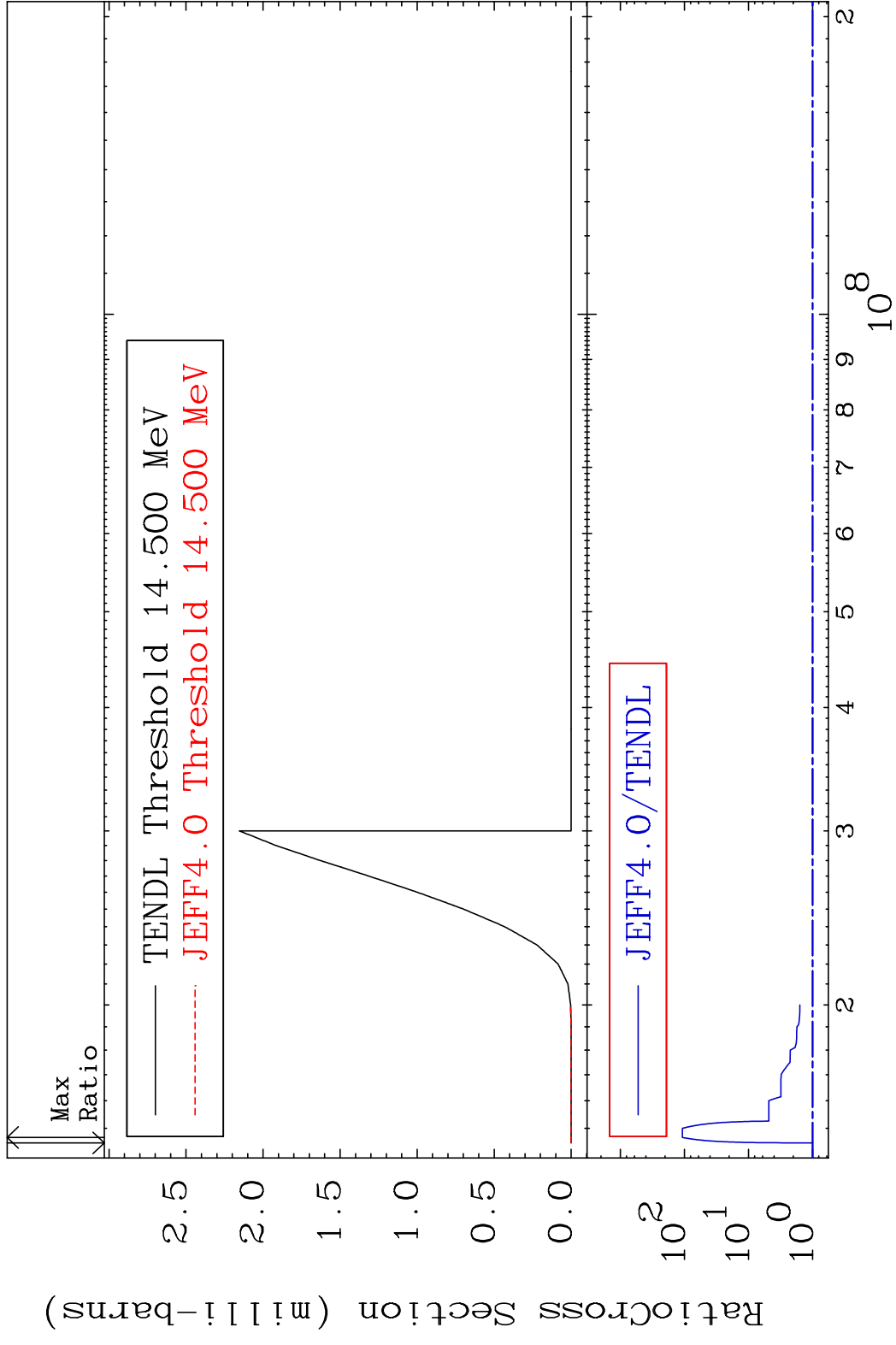


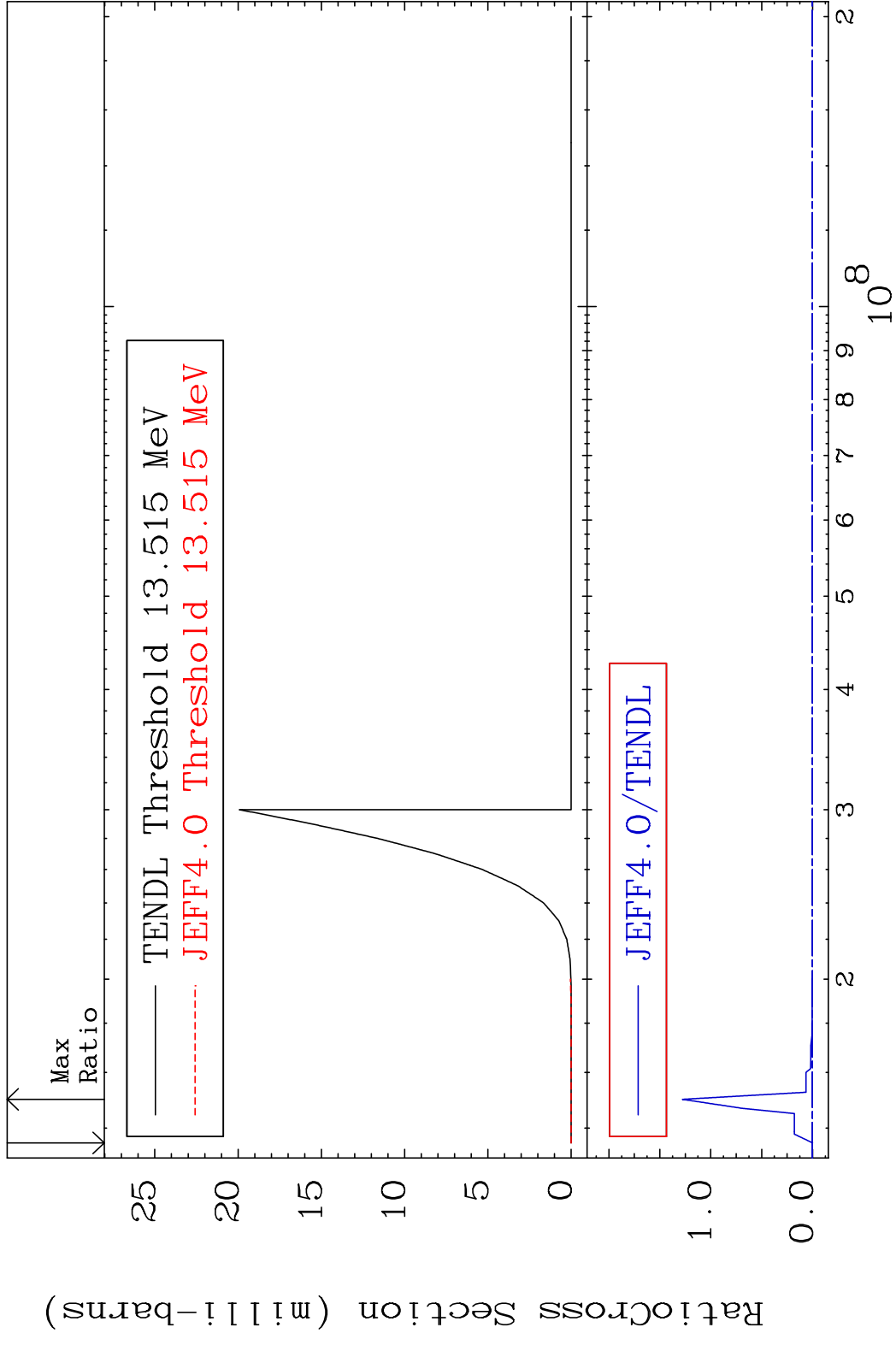


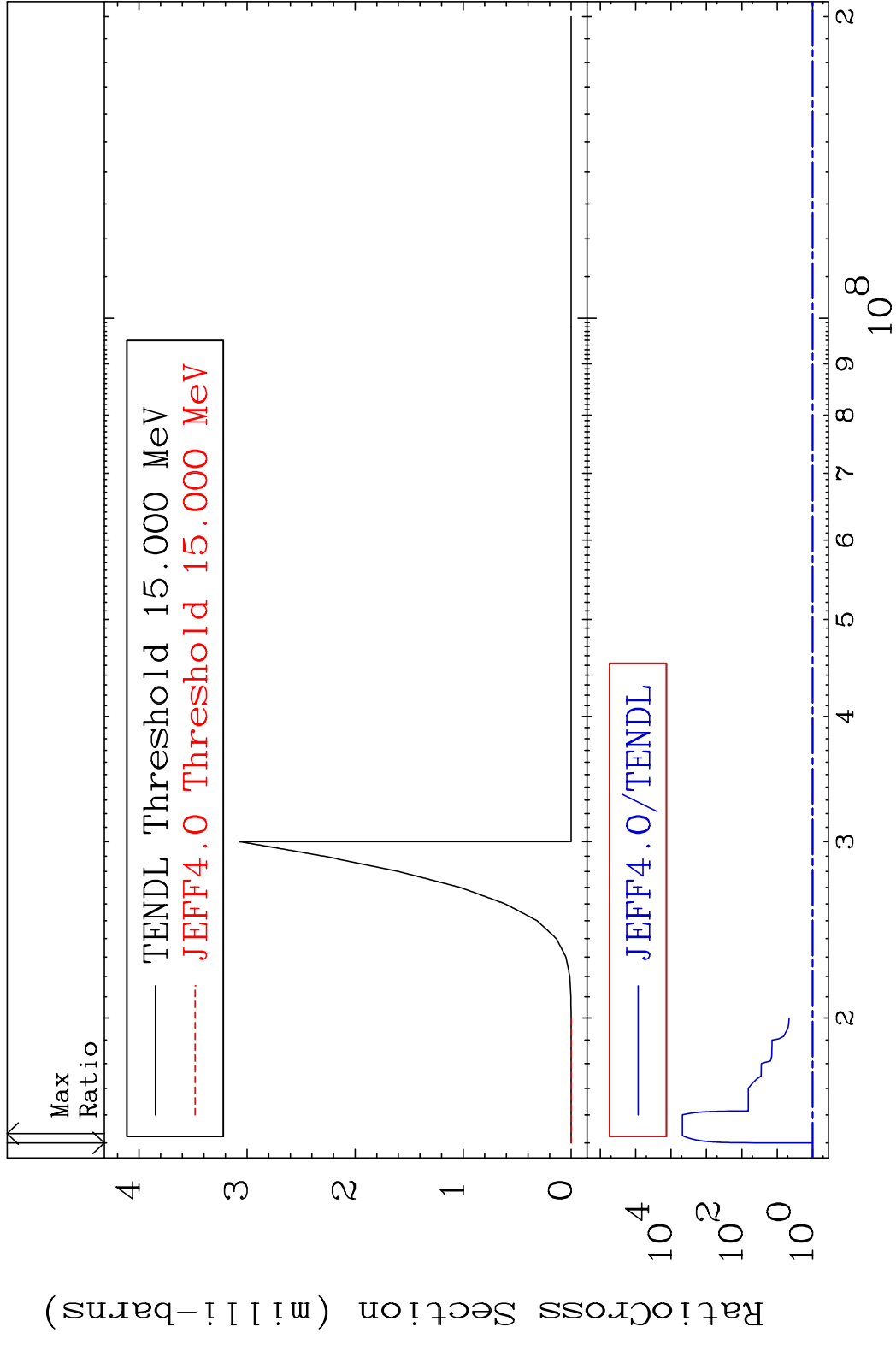


MAT 7240 (n, n') t:71-Lu-176g 72-Hf-179  
 Radionuclide Production Cross Section Ratio

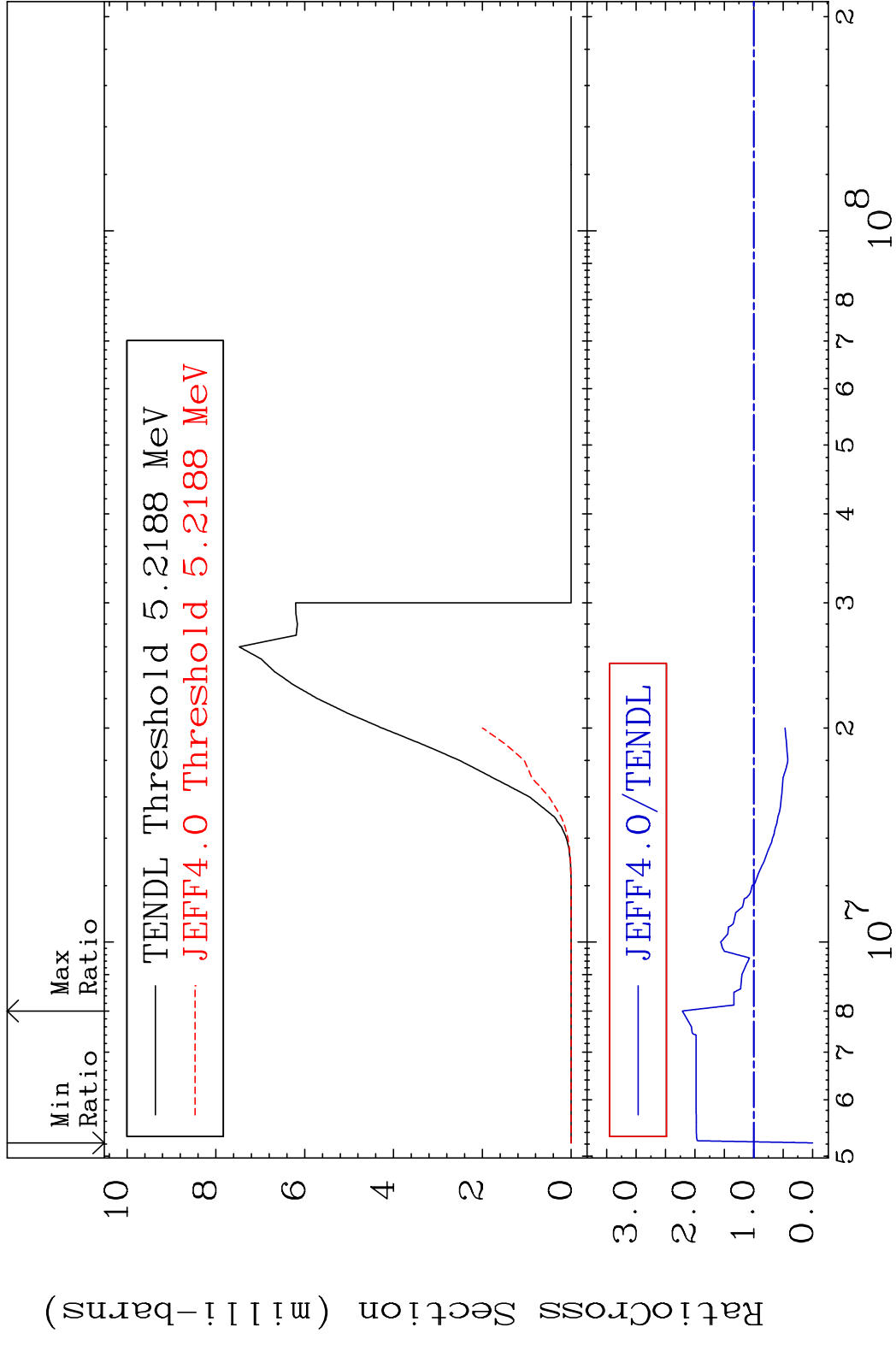








MAT 7240 (n,d):71-Lu-178g 72-Hf-179  
 Radionuclide Production Cross Section 180.0 dth 121.4 %



MAT 7240 (n, d):71-Lu-178m3 72-Hf-179  
 Radionuclide Production Cross Section 100.0 %  
 Ratio 106.0 %

