

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

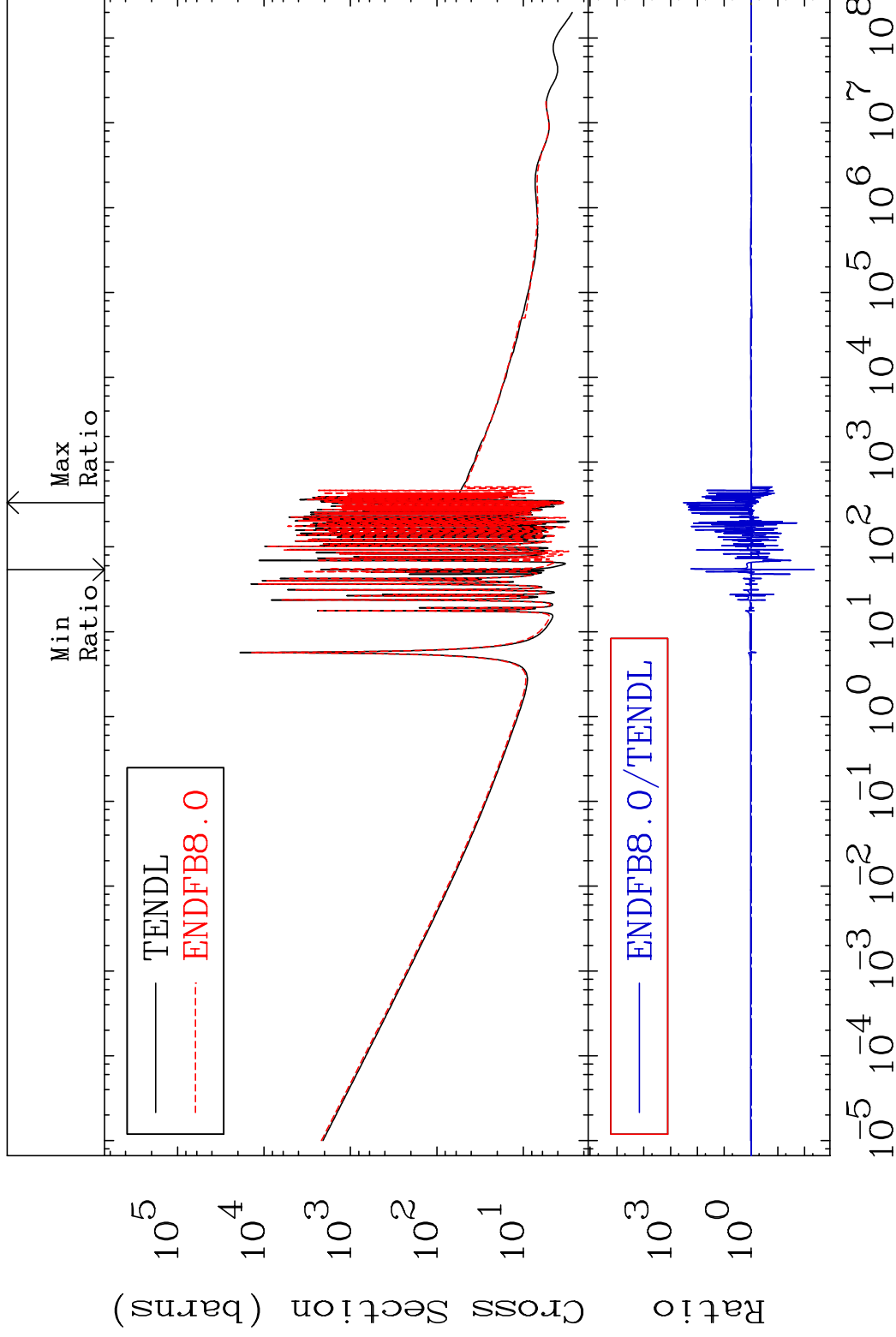
MAT 7240

Total

72-Hf-179

Cross Section

-99.56 To 9999. %



1

Incident Energy (eV)

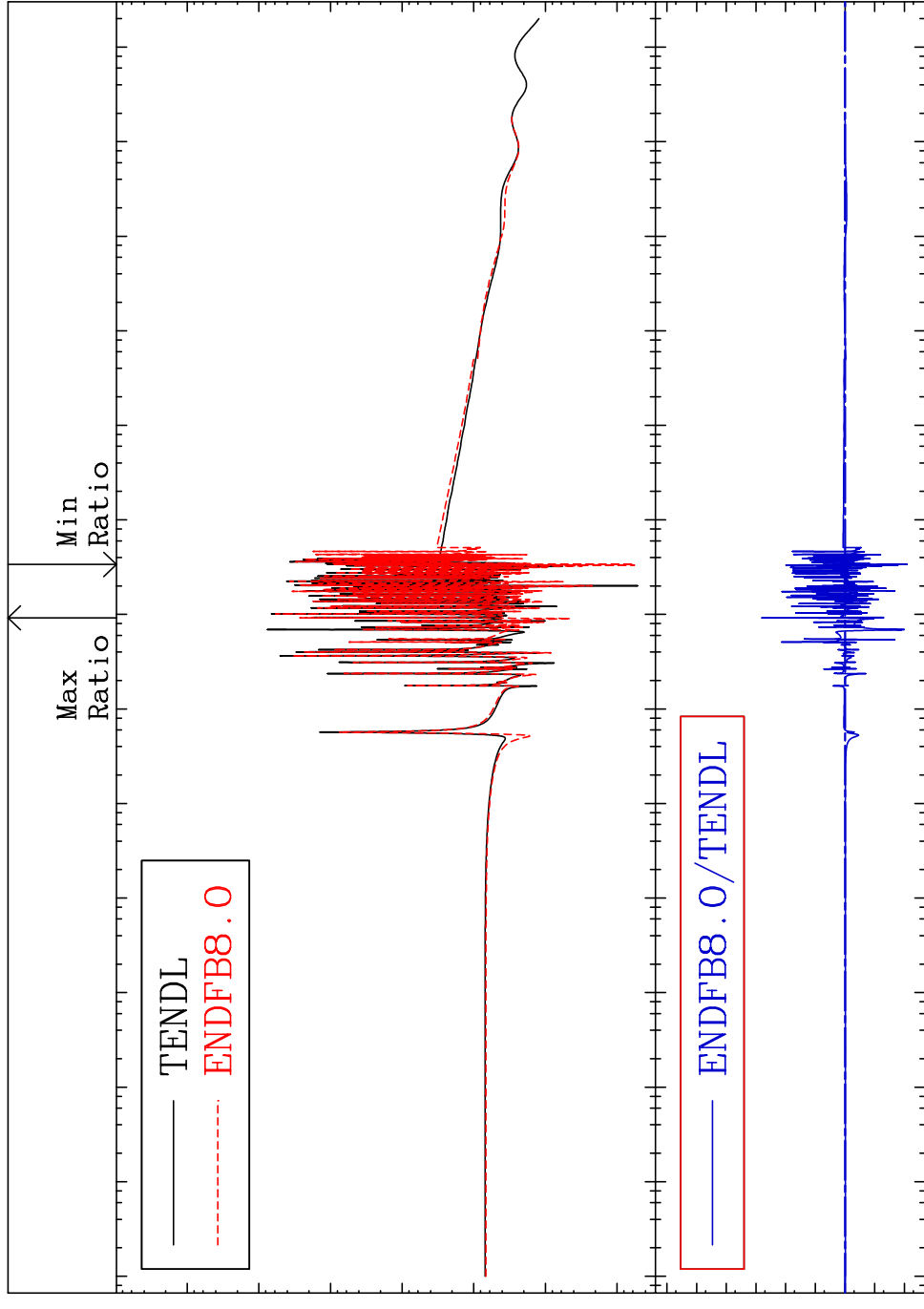
72-Hf-179

MAT 7240

72-Hf-179

Elastic

Cross Section -99.20 To 9999. %



Cross Section (barns)

$10^5$   
 $10^4$   
 $10^3$   
 $10^2$   
 $10^1$   
 $10^0$   
 $10^{-1}$

ENDFB8.0/TENDL

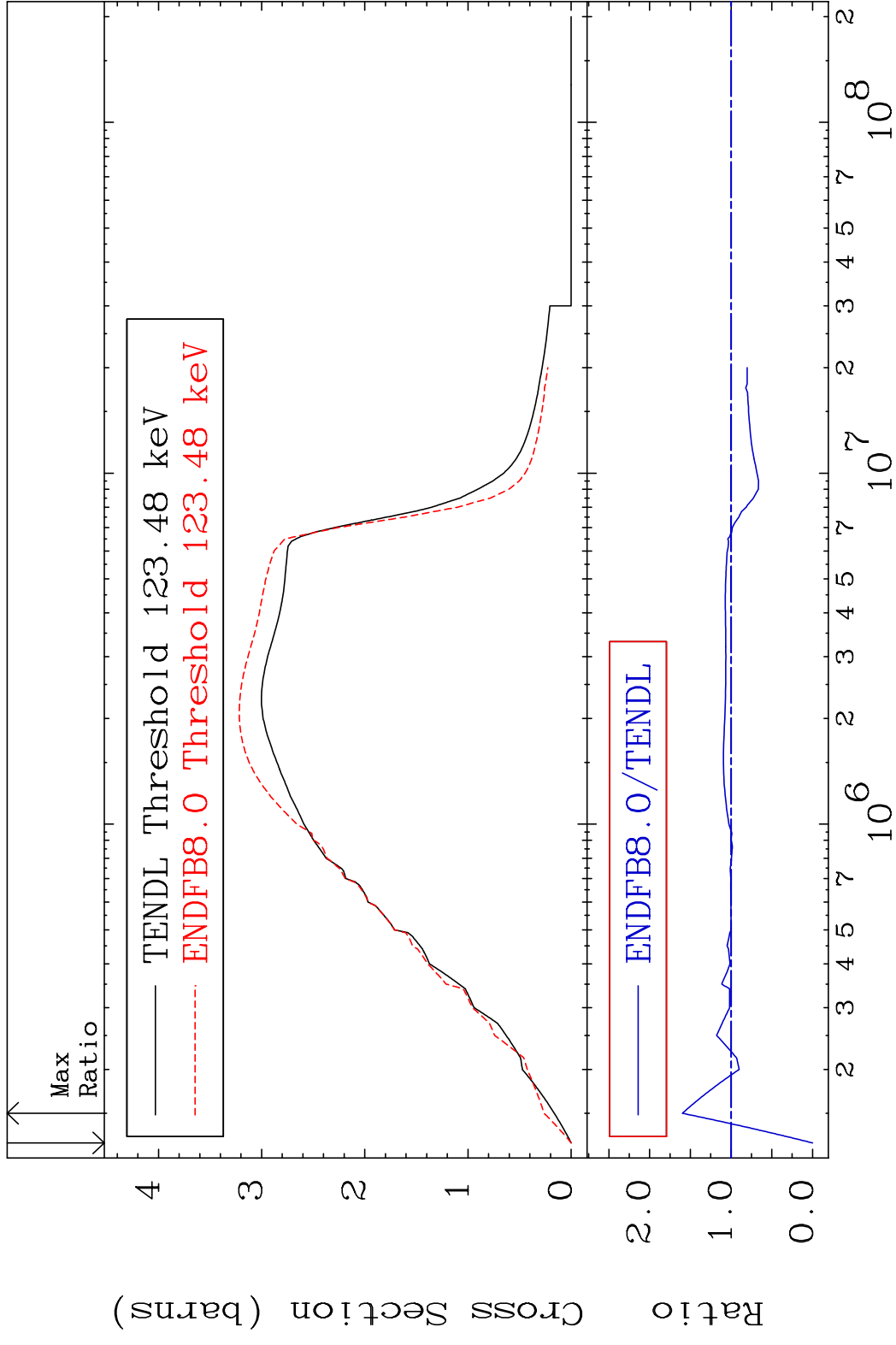
Ratio

$10^3$   
 $10^0$

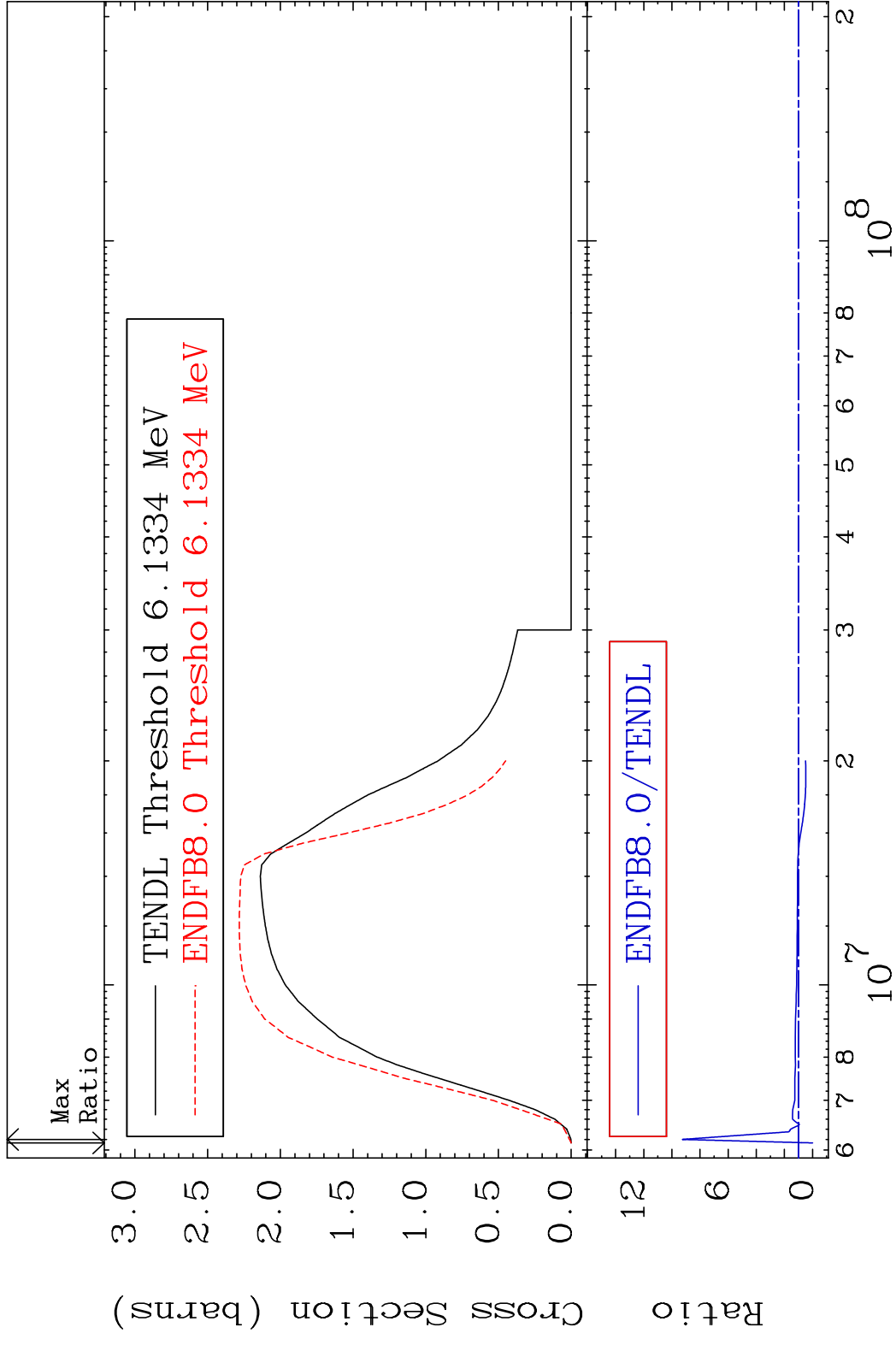
Incident Energy (eV)

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$

MAT 7240 Inelastic 72-Hf-179  
 Cross Section -100.0 To 59.85 %



MAT 7240 (n,2n) 72-Hf-179  
 Cross Section -100.0 To 825.8 %



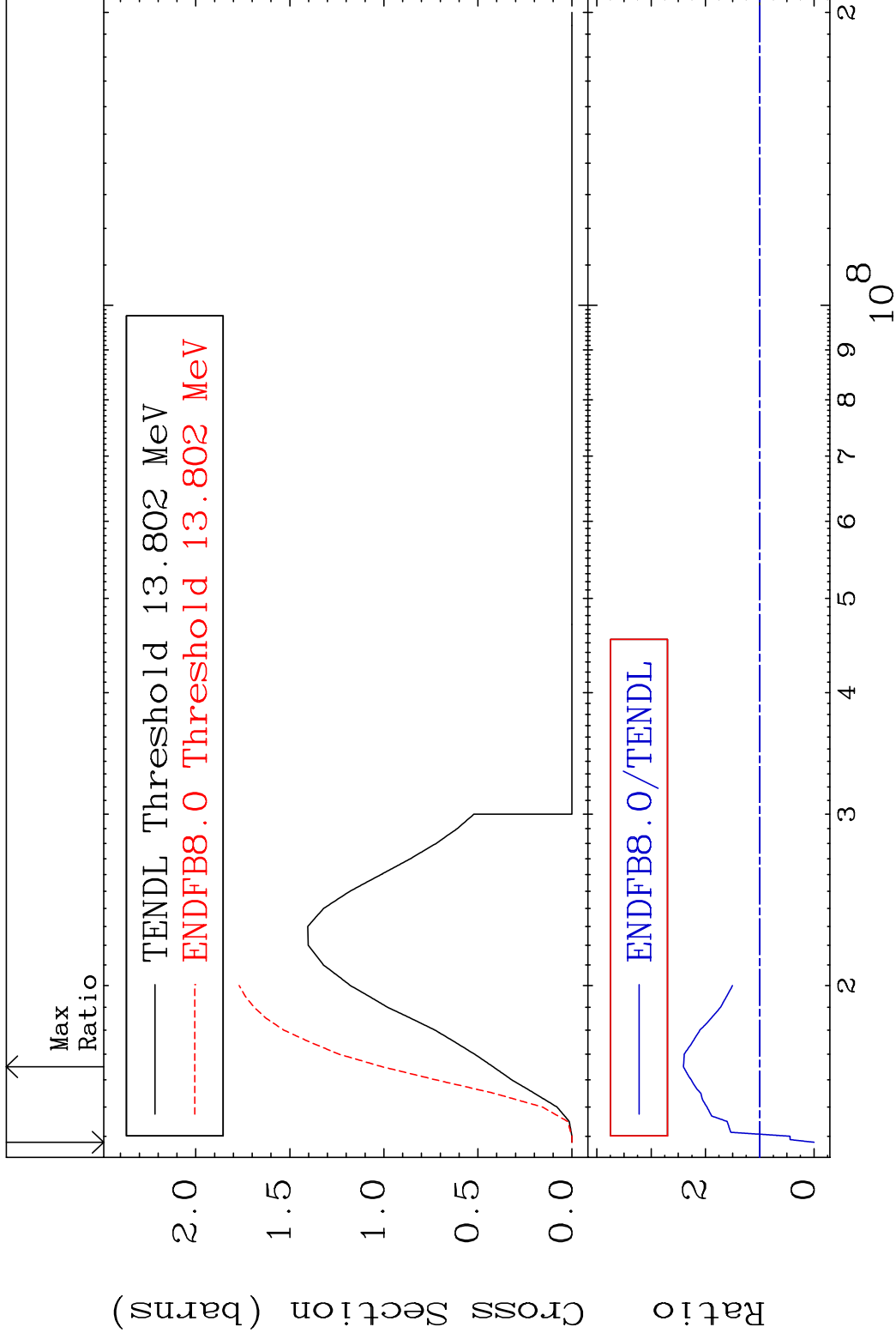
4 Incident Energy (eV) 72-Hf-179

MAT 7240

(n,3n)

72-Hf-179

Cross Section -100.0 To 140.5 %



5

Incident Energy (eV)

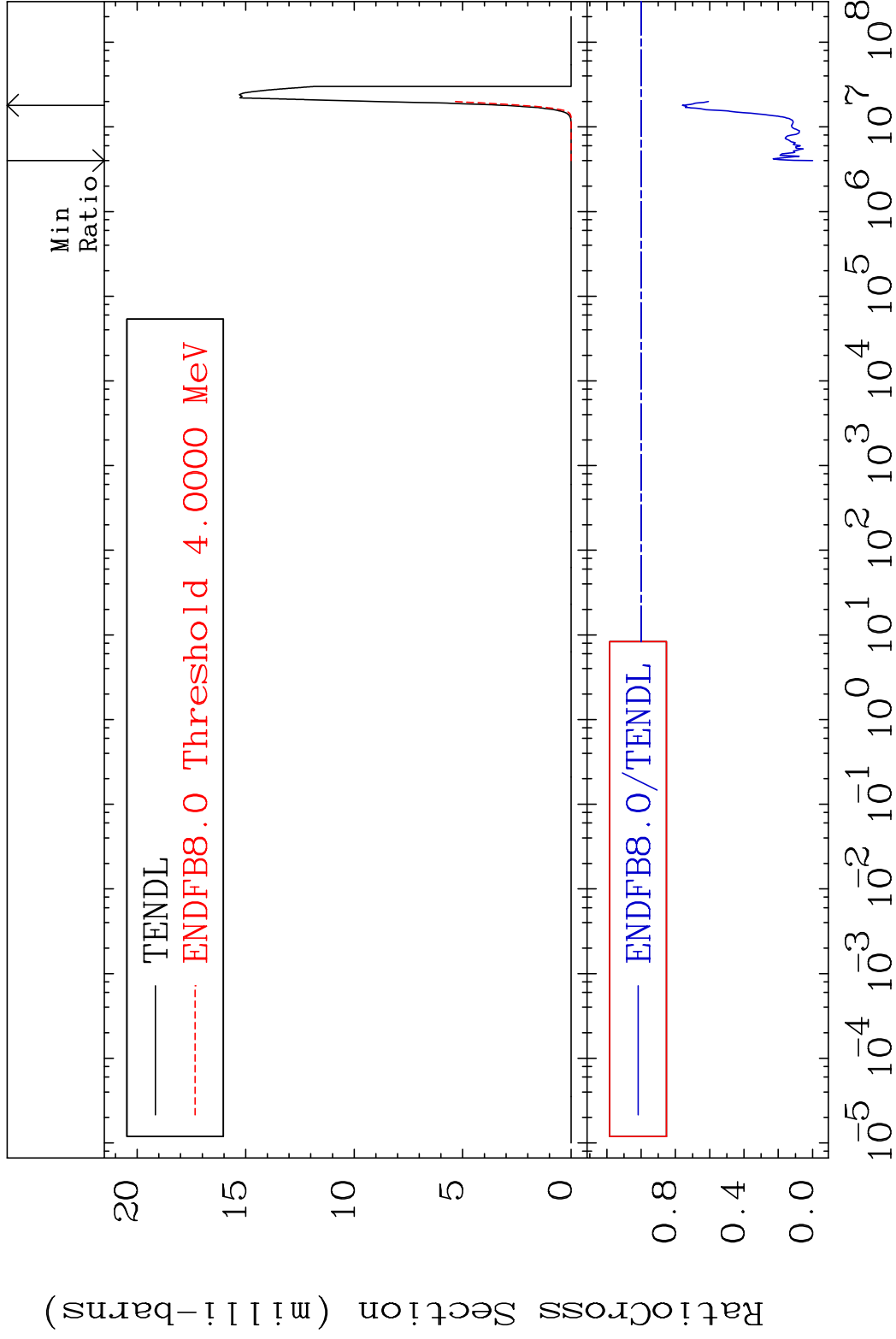
72-Hf-179

MAT 7240

(n, n')  $\alpha$

72-Hf-179

Cross Section -100.0 To -24.05%

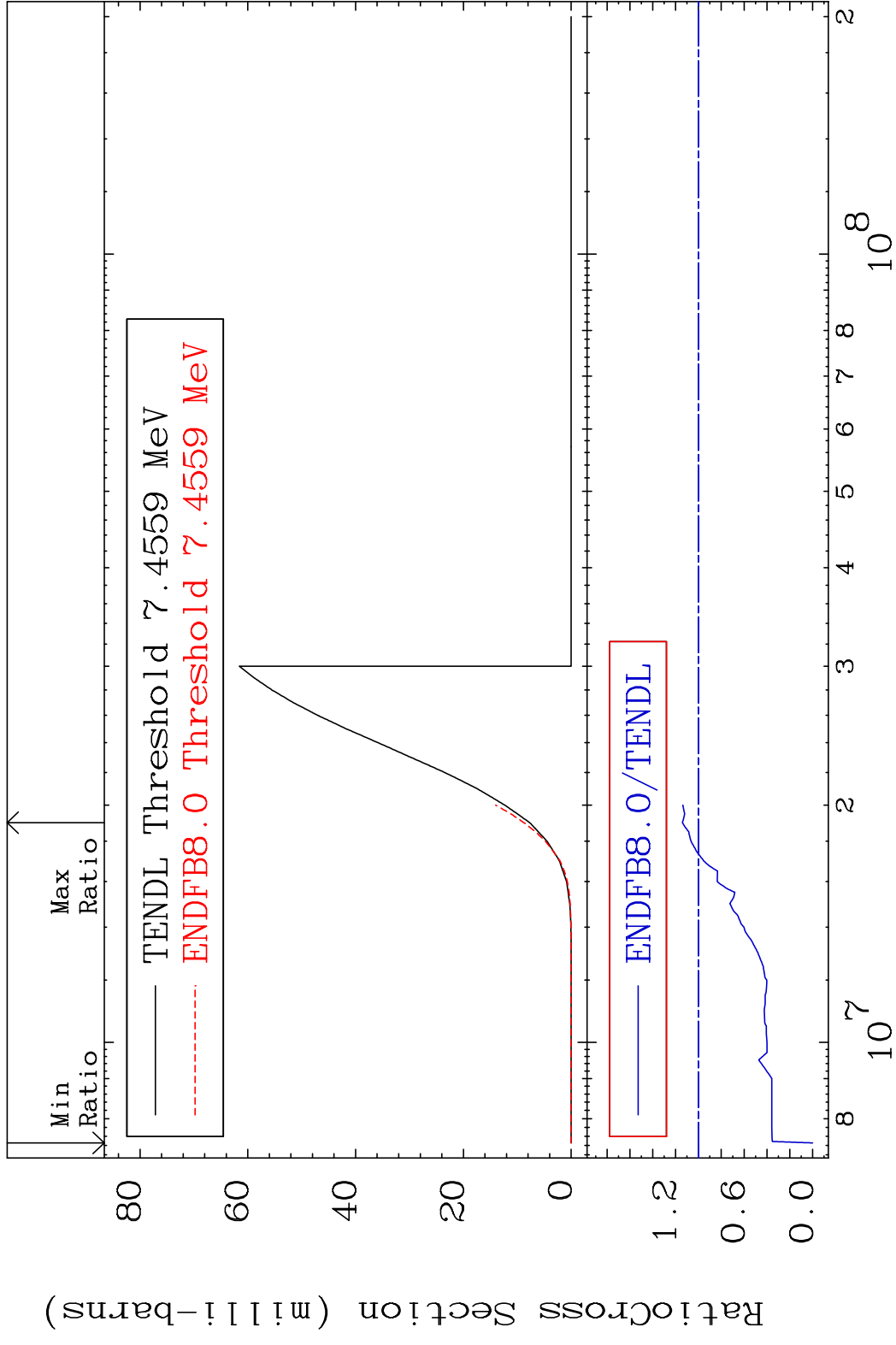


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Incident Energy (eV)

72-Hf-179

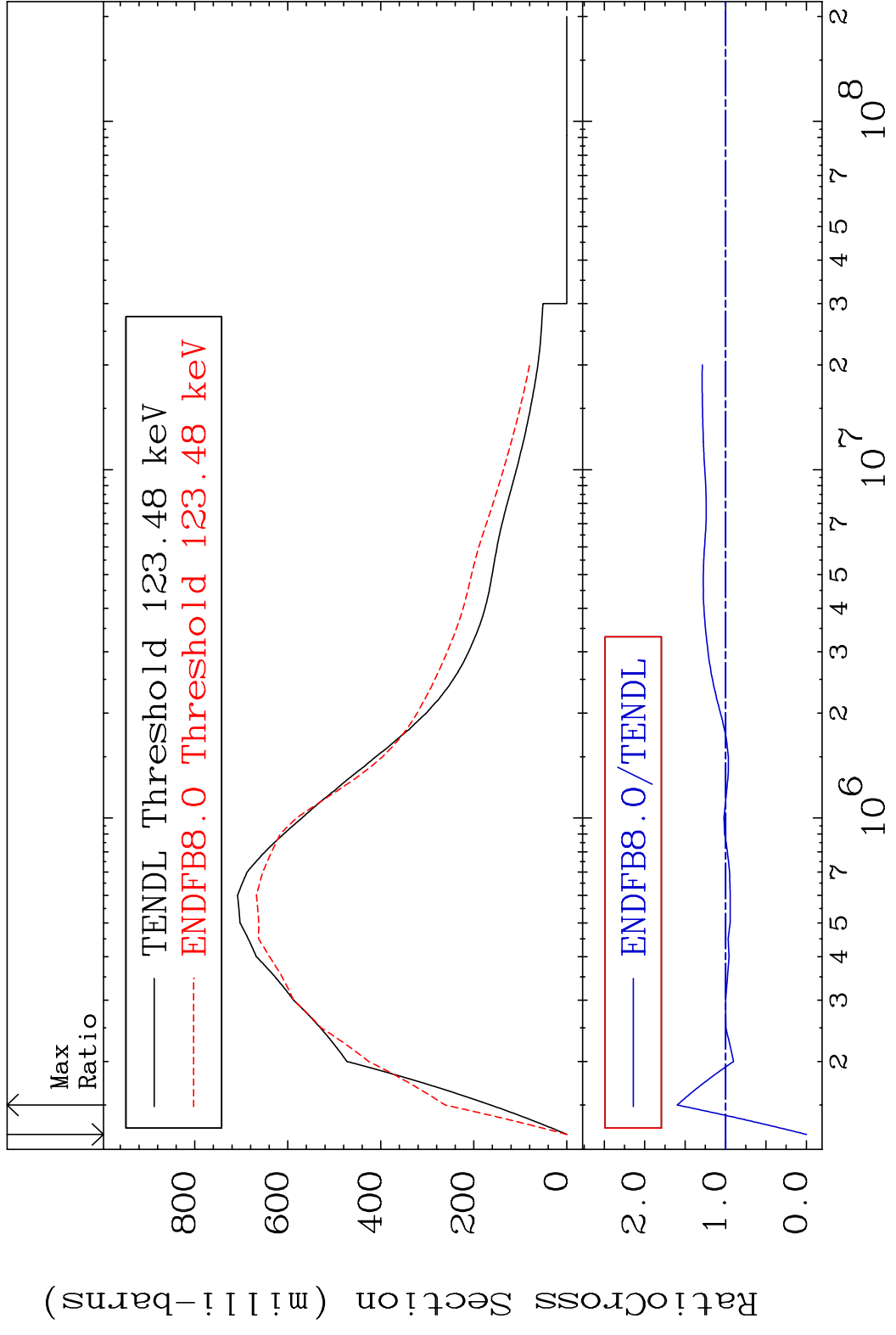
MAT 7240 (n, n') p 72-Hf-179  
 Cross Section -100.0 To 14.10 %



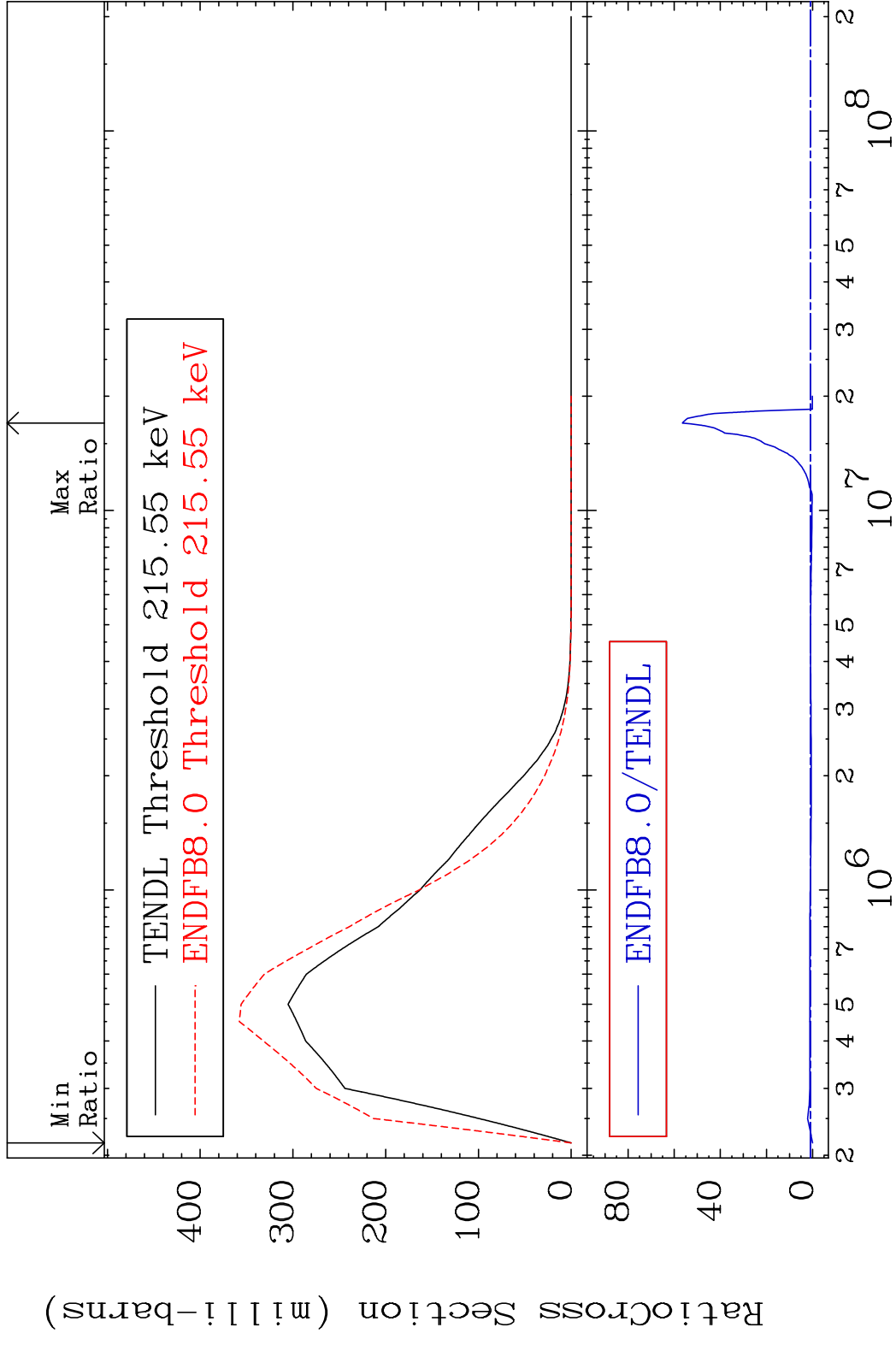
7 Incident Energy (eV) 72-Hf-179



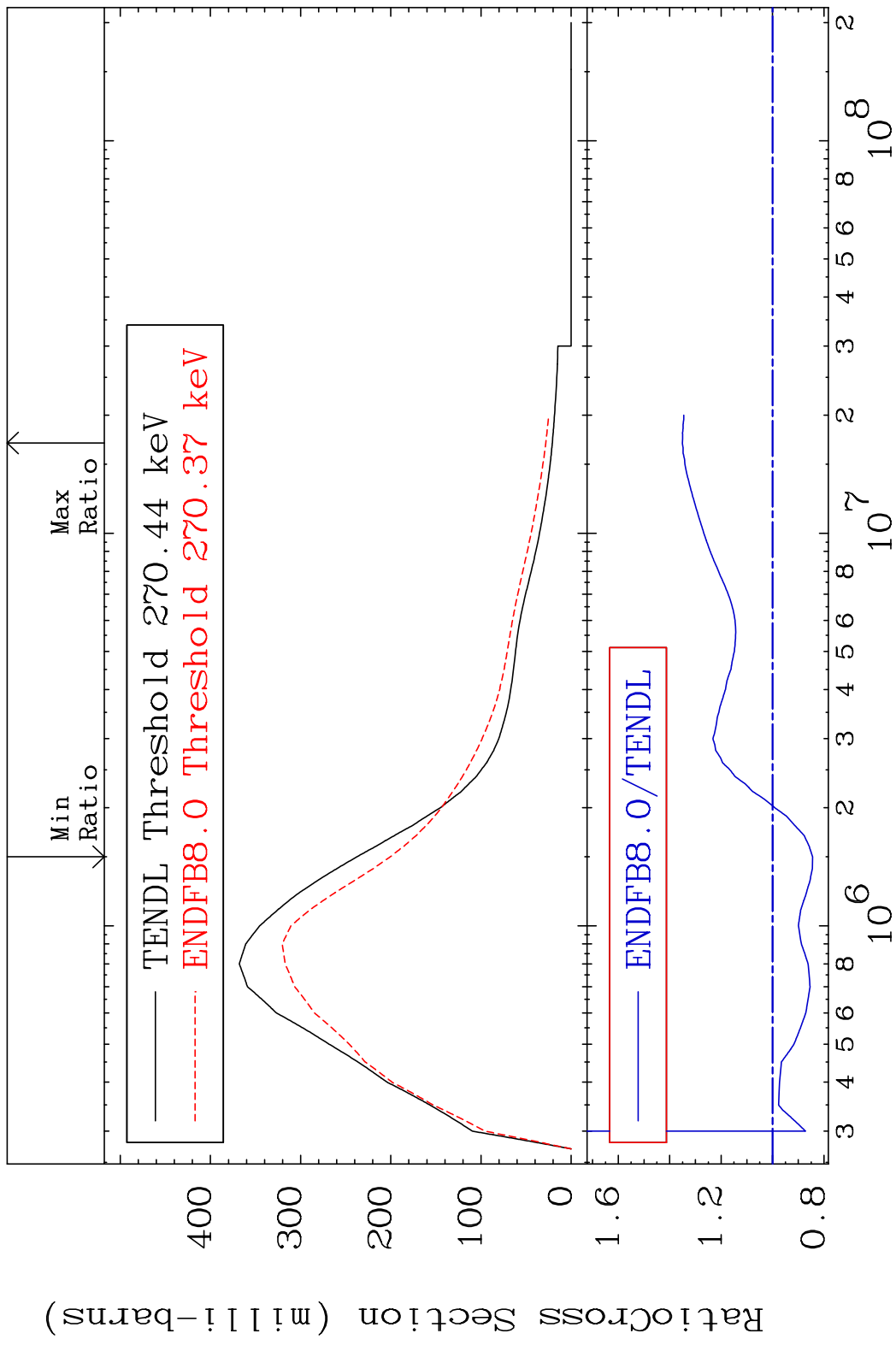
MAT 7240 MT= 51 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 59.85 %



MAT 7240 MT= 52 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 5545. %

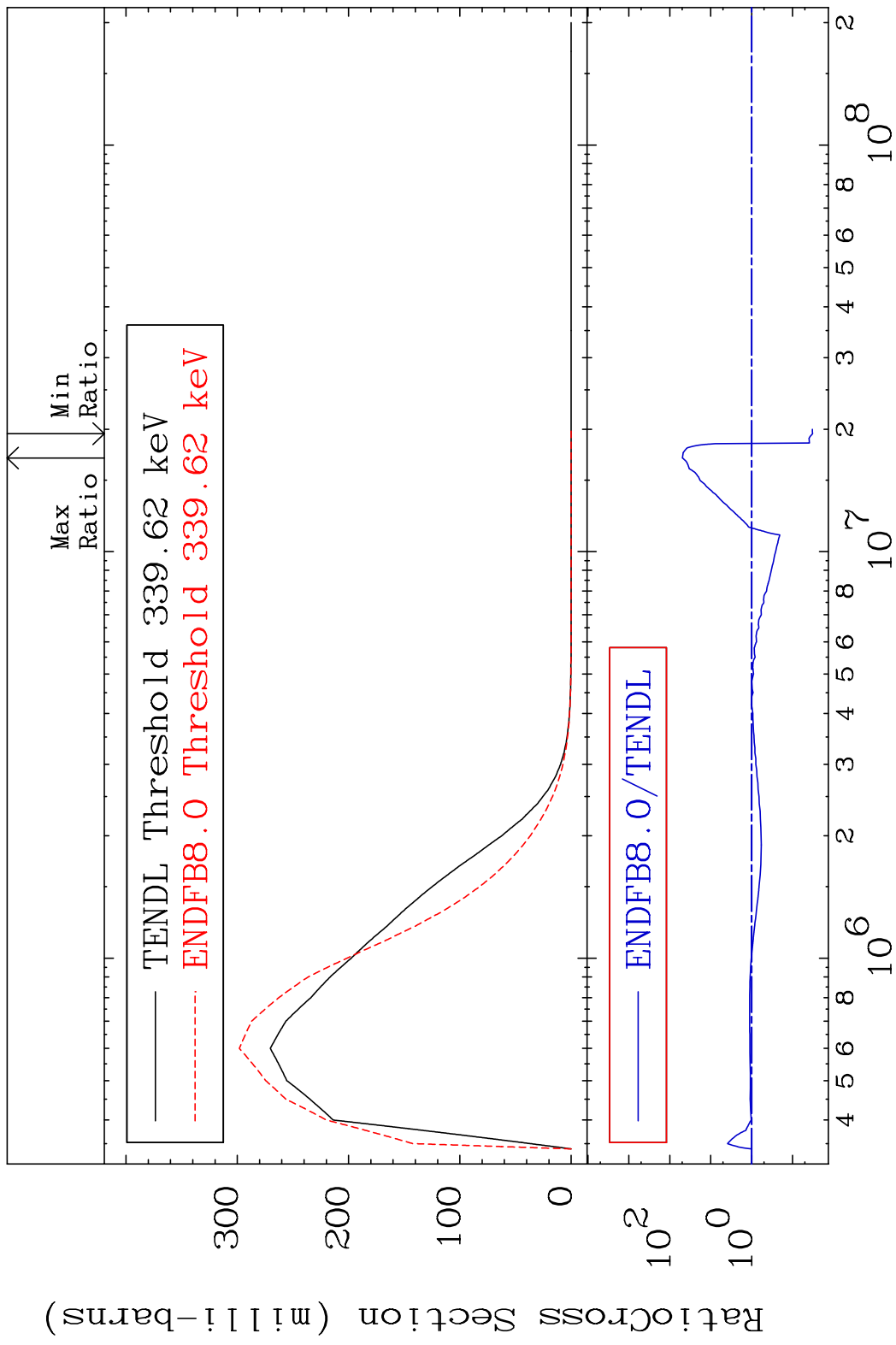


MAT 7240 MT= 53 (n, n') Level 72-Hf-179  
 Cross Section -15.56 To 35.09 %

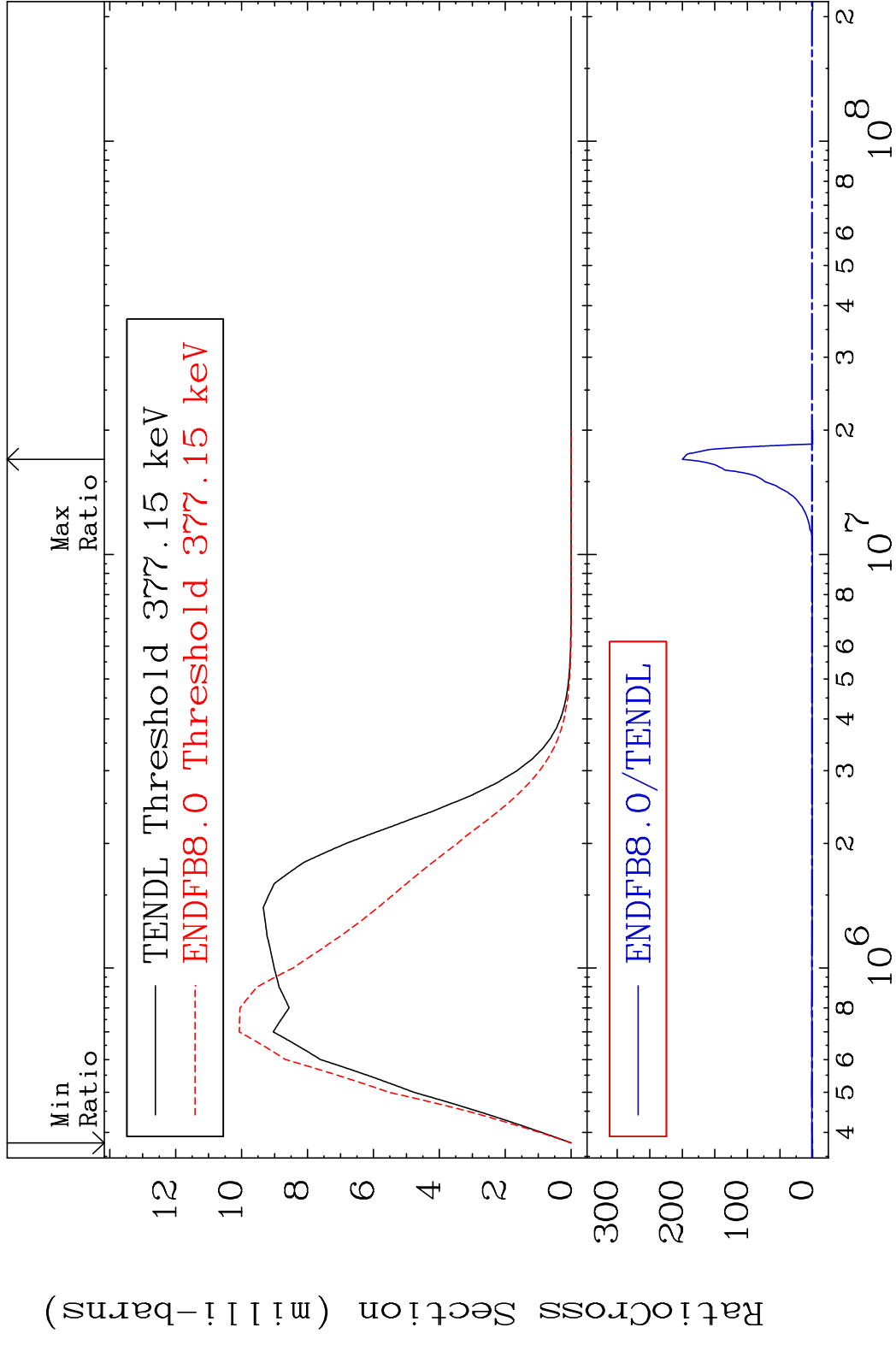


10 Incident Energy (eV) 72-Hf-179

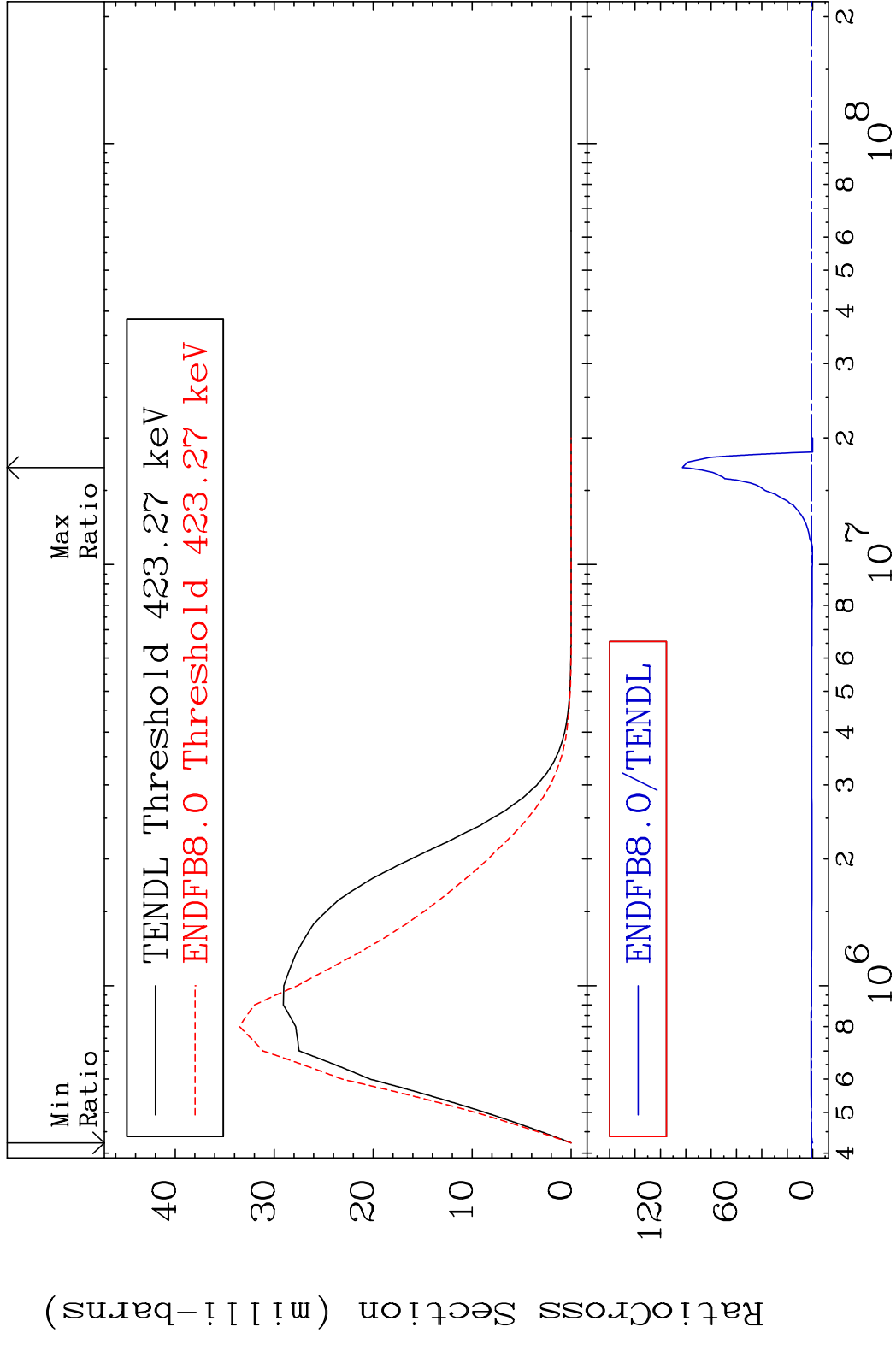
MAT 7240 MT= 54 (n,n') Level 72-Hf-179  
 Cross Section -96.75 To 4837. %



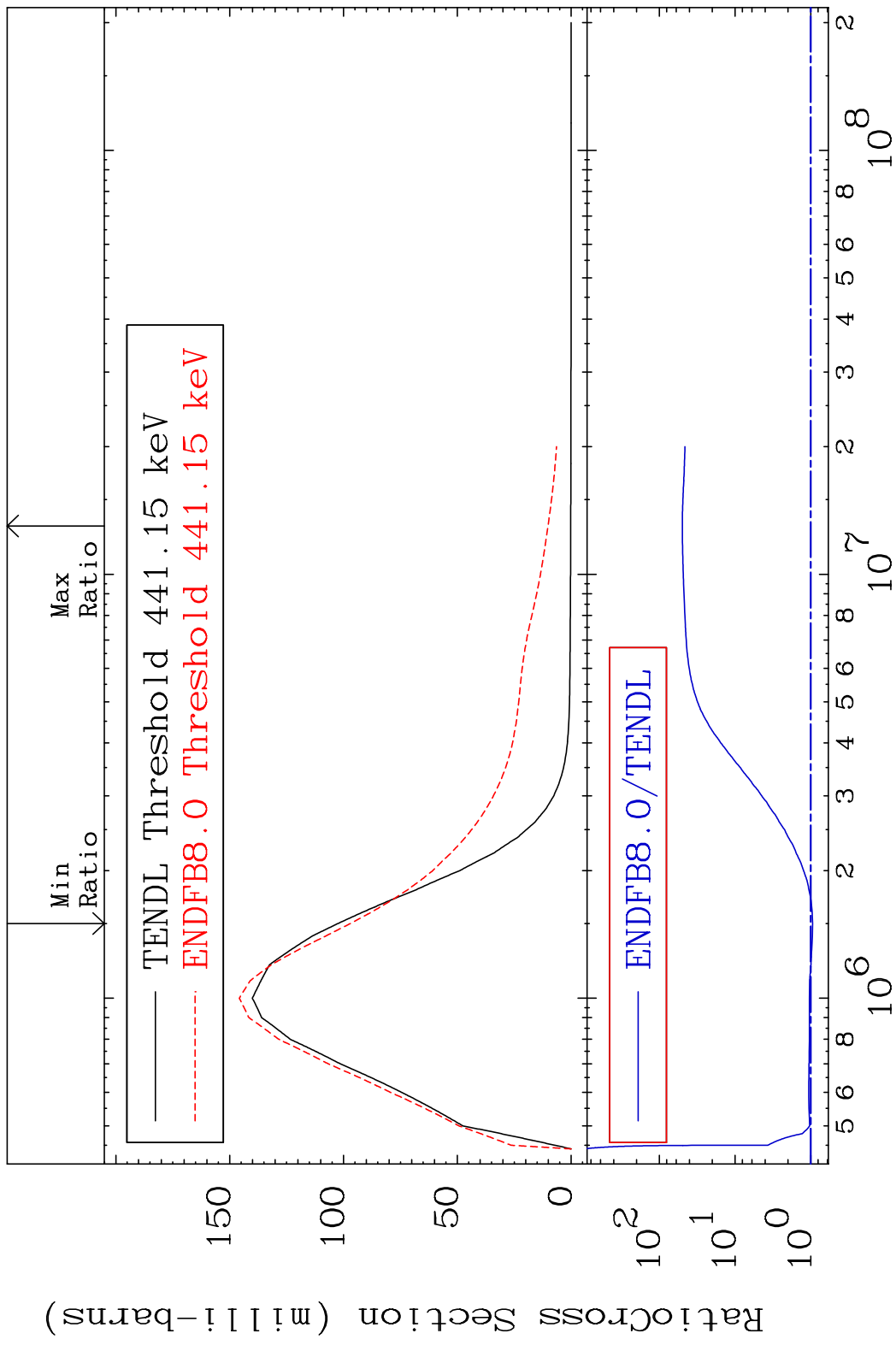
MAT 7240 MT= 55 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



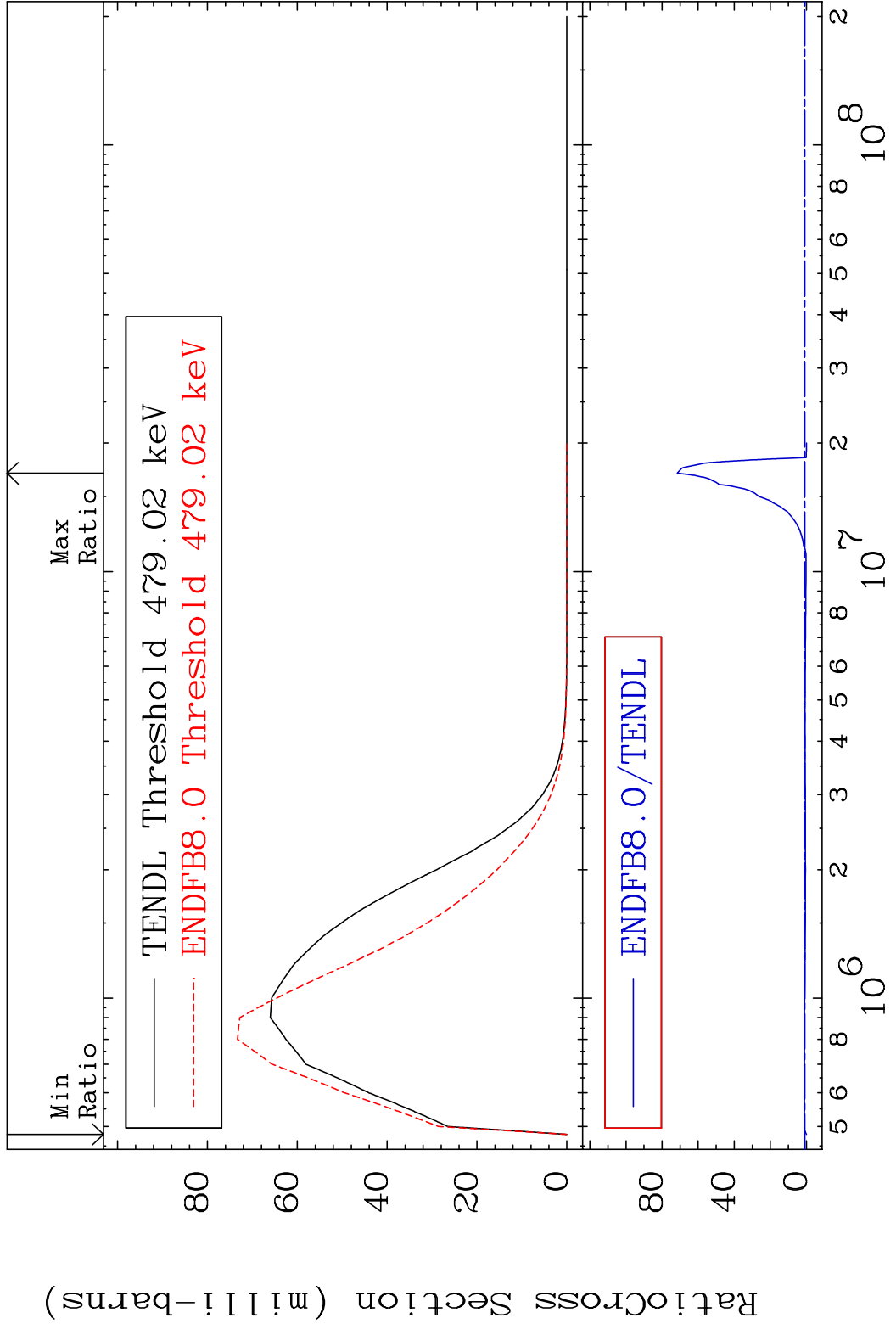
MAT 7240 MT= 56 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



MAT 7240 MT= 57 (n, n') Level 72-Hf-179  
 Cross Section -5.385 To 4869. %

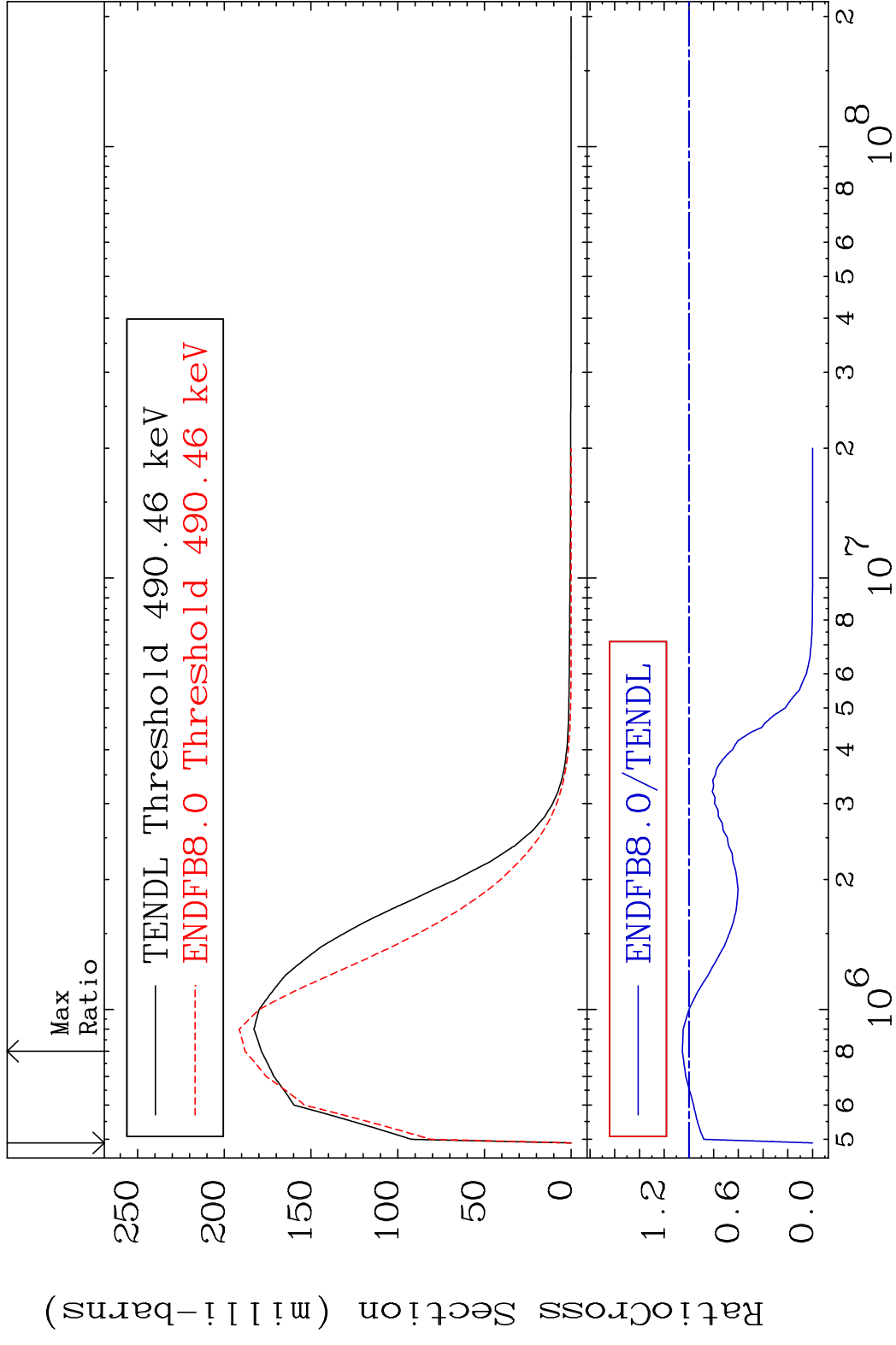


MAT 7240 MT= 58 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 7062. %

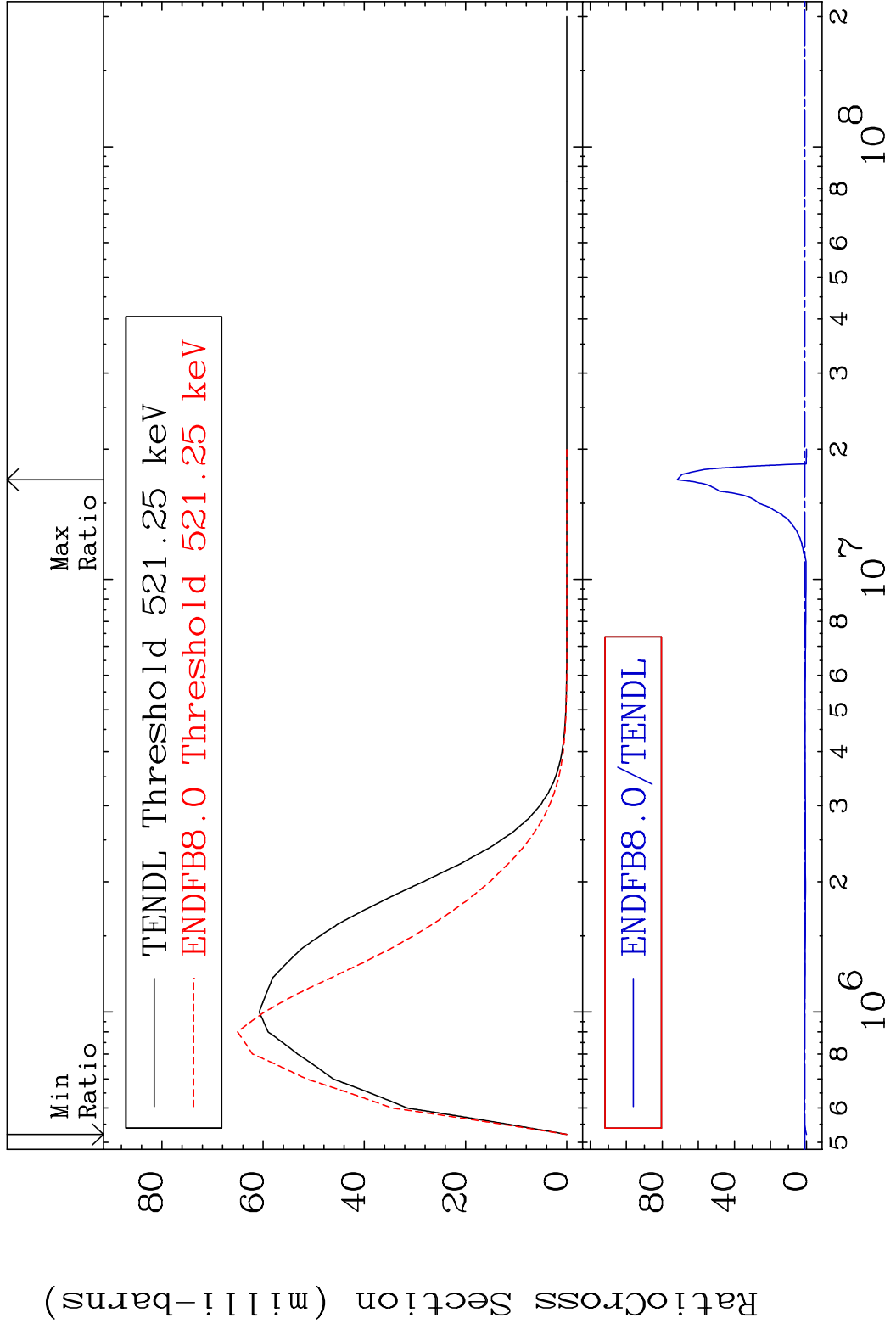




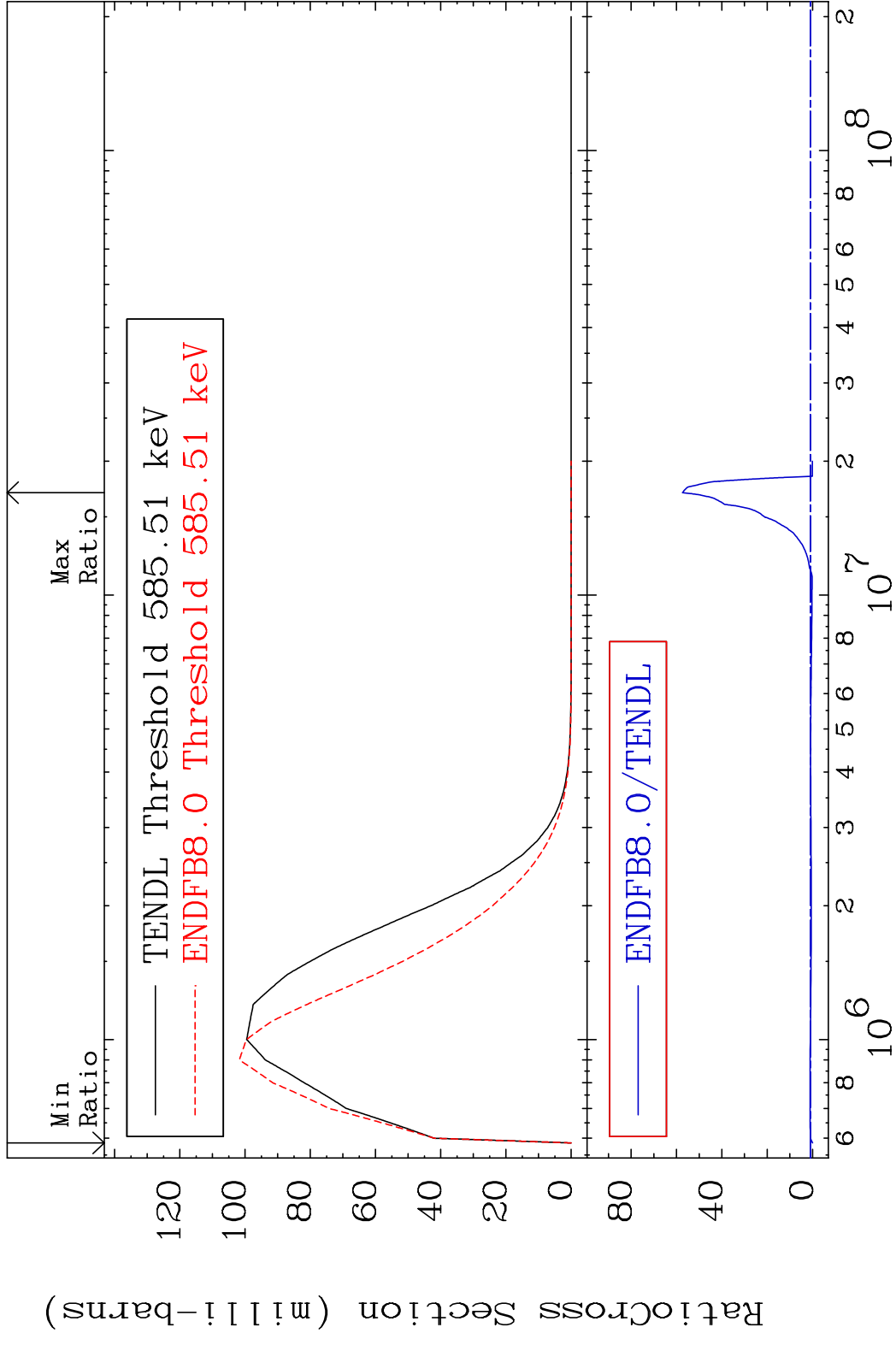
MAT 7240 MT= 59 (n,n') Level 72-Hf-179  
 Cross Section -100.0 To 5.290 %



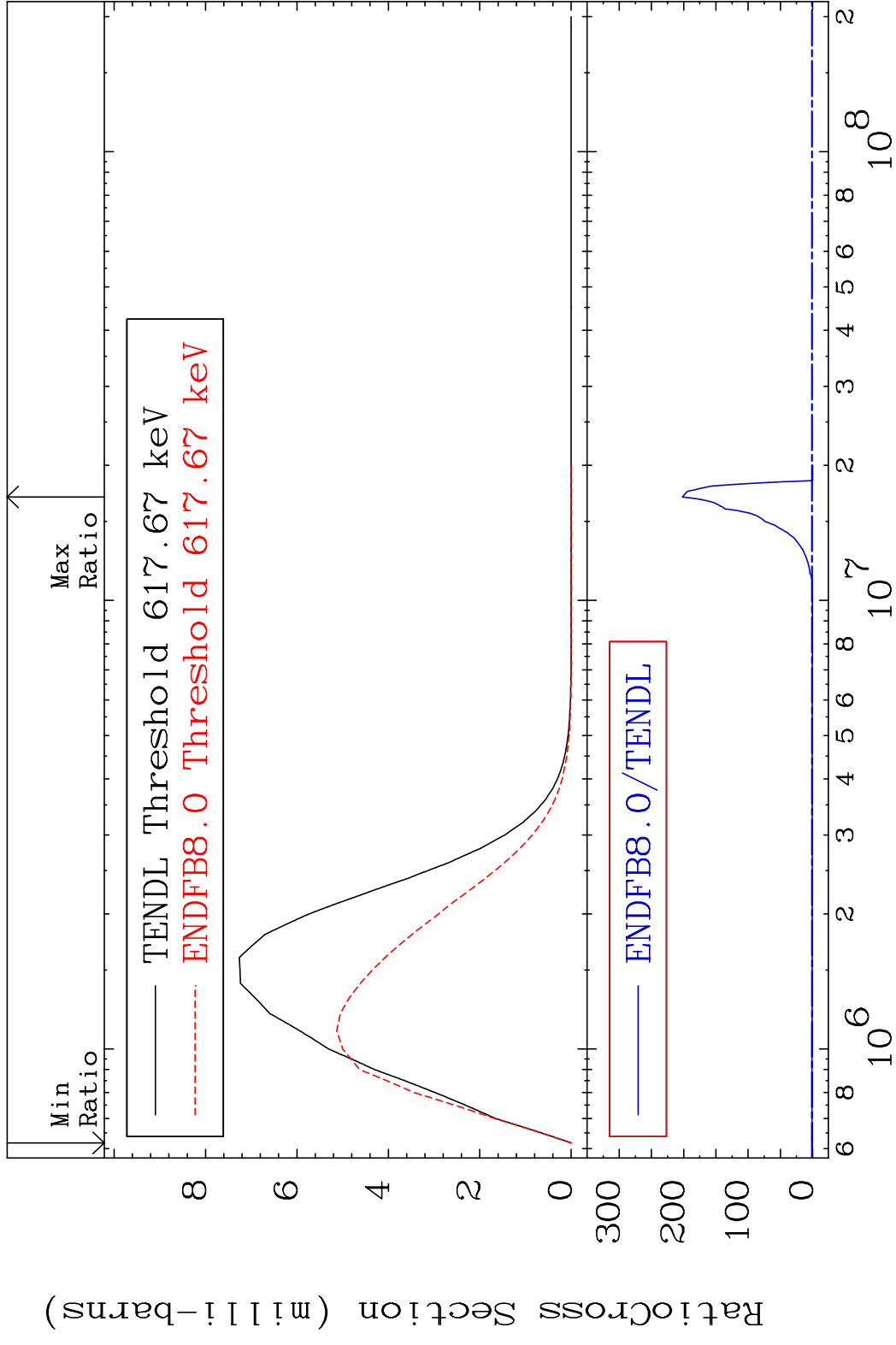
MAT 7240 MT= 60 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 7075. %



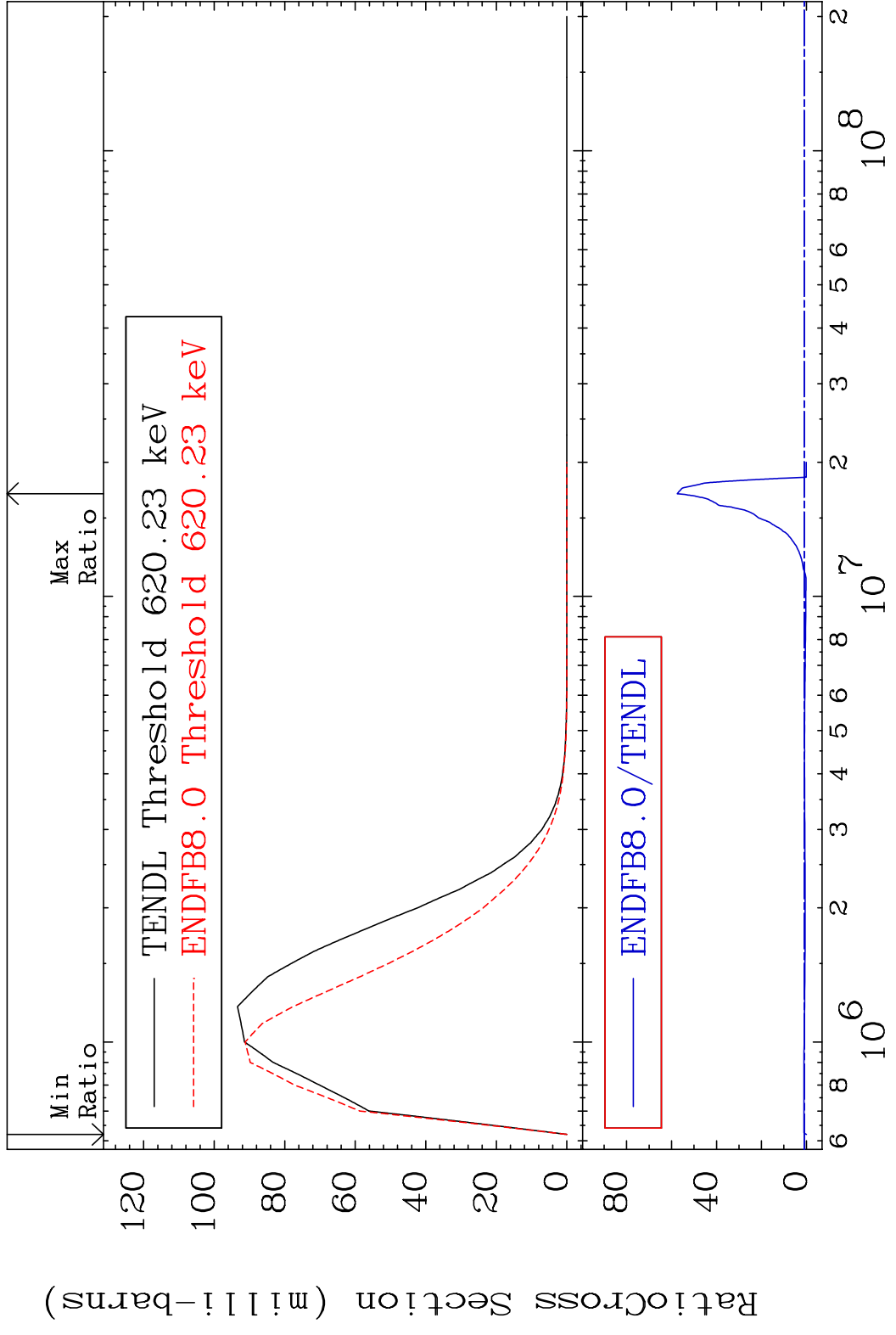
MAT 7240 MT= 61 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 5641. %



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

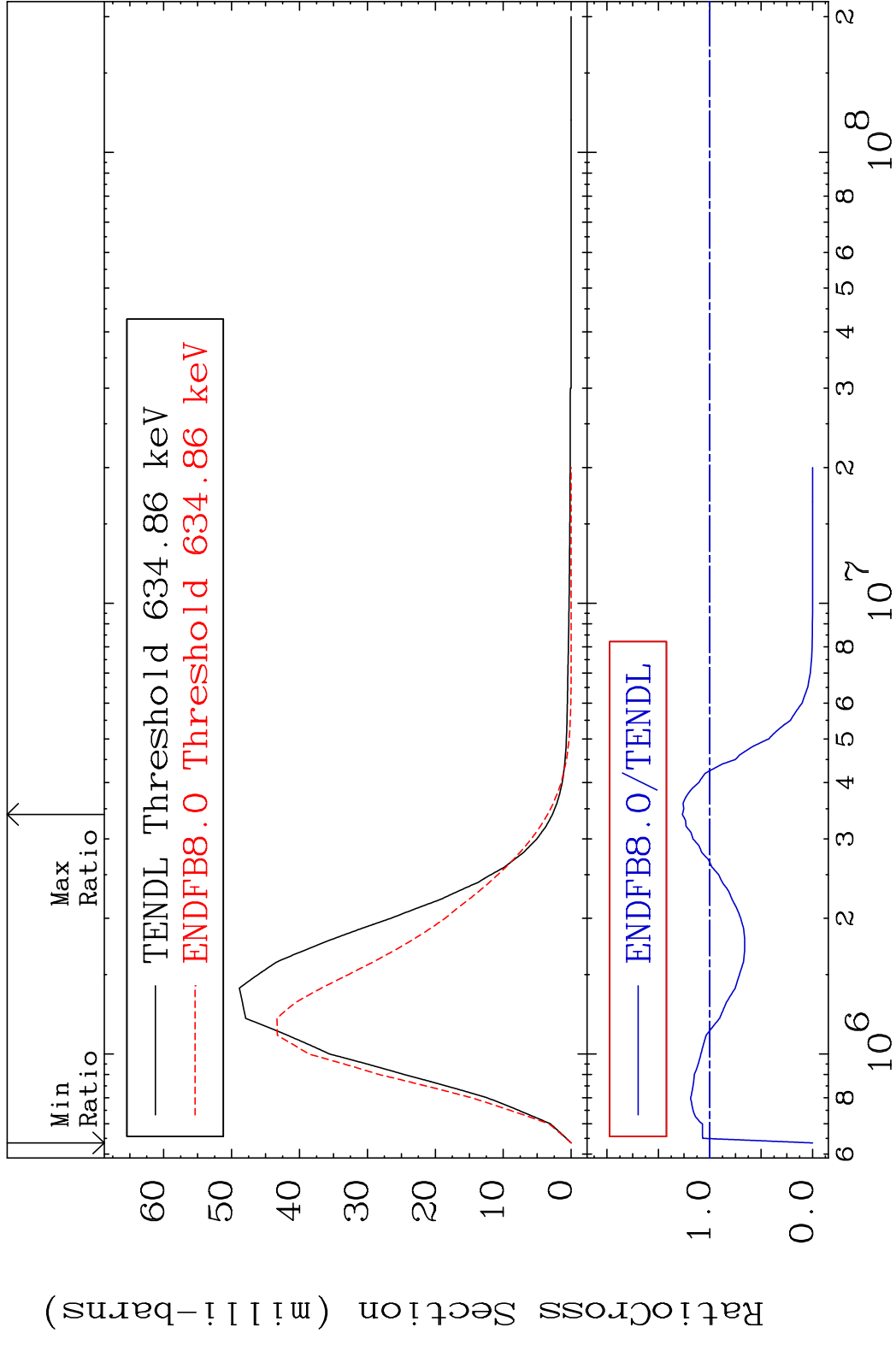


MAT 7240 MT= 63 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 5650. %

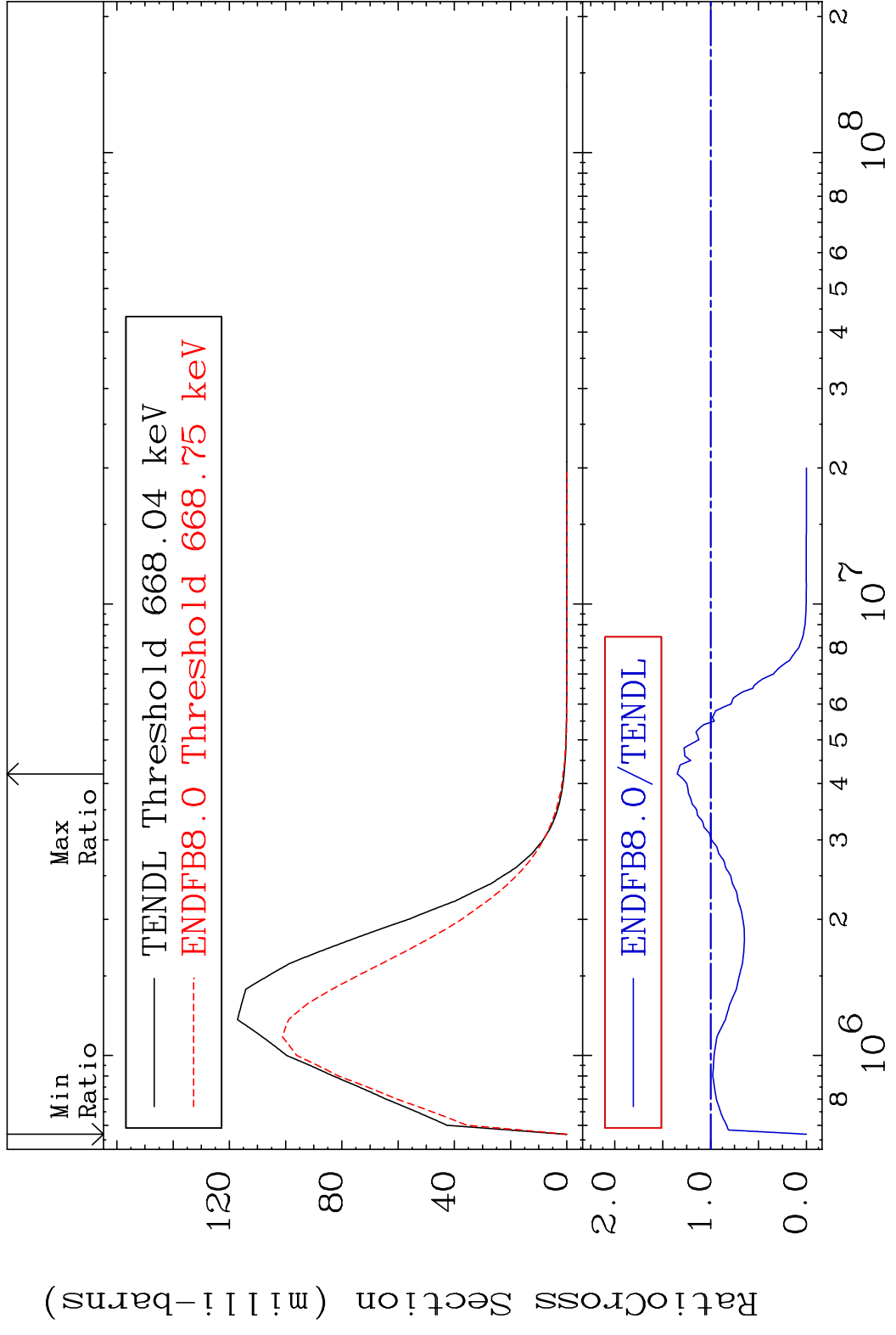


20 Incident Energy (eV) 72-Hf-179

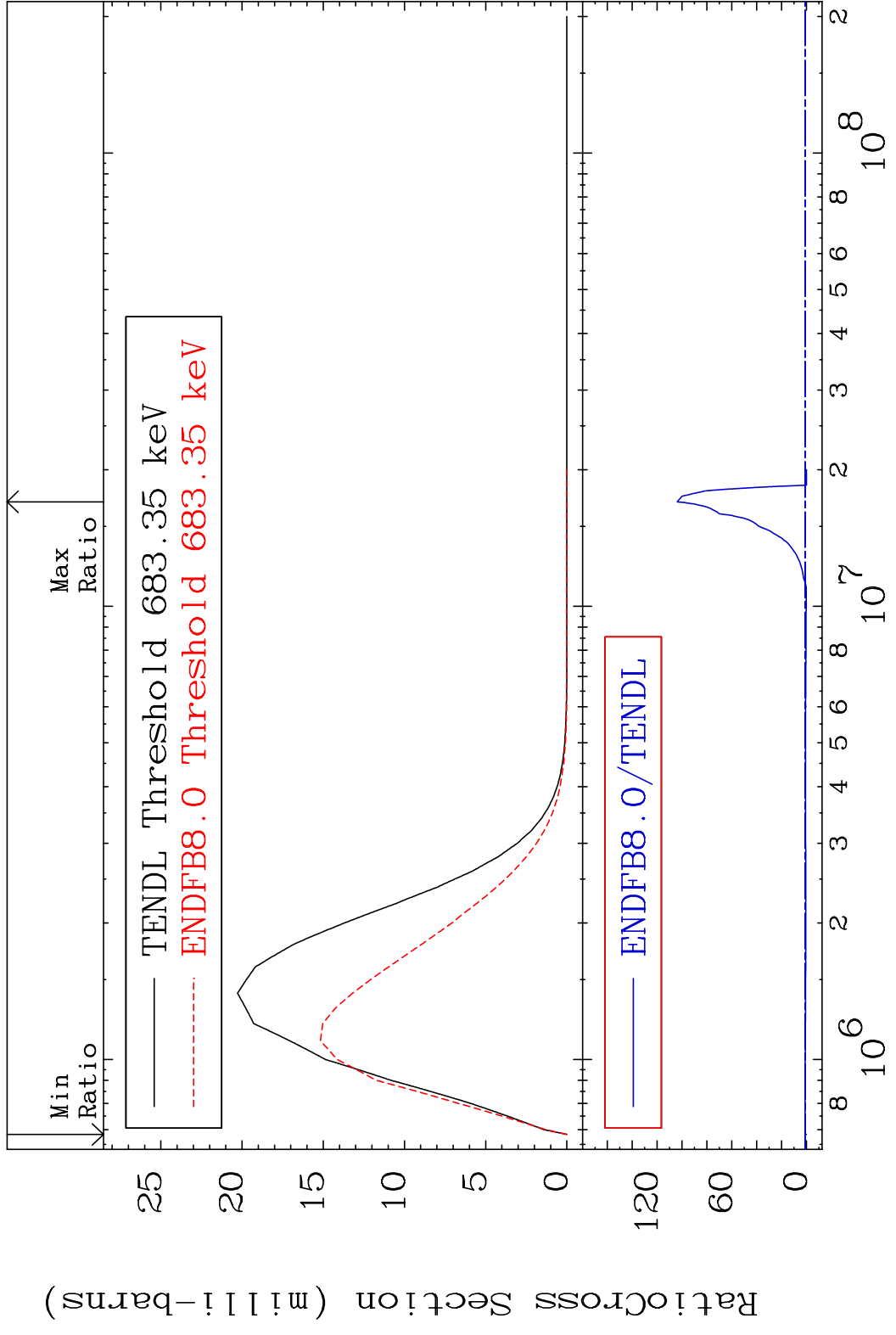
MAT 7240 MT= 64 (n,n') Level 72-Hf-179  
 Cross Section -100.0 To 26.67 %



MAT 7240 MT= 65 (n,n') Level 72-Hf-179  
 Cross Section -100.0 To 34.90 %

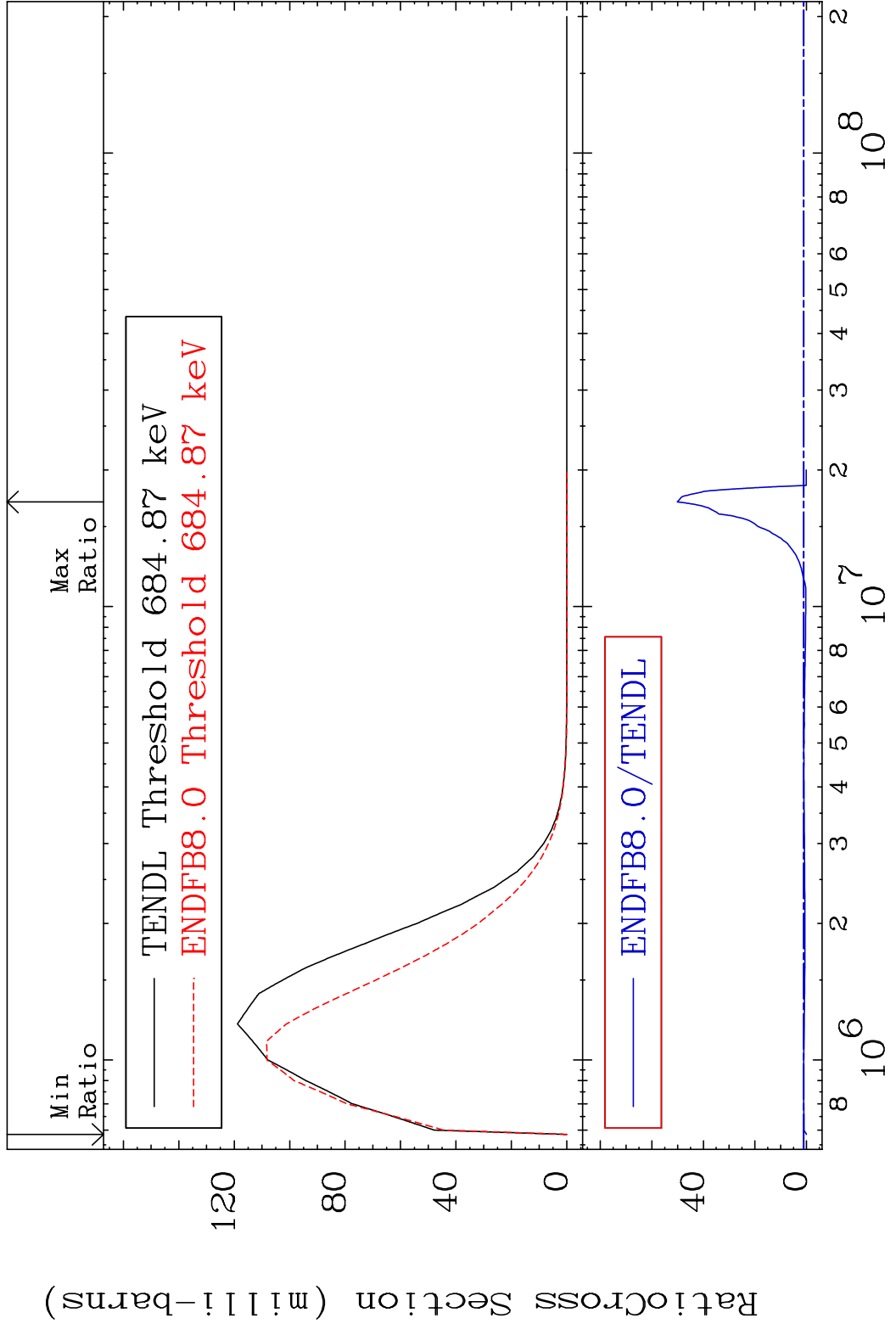


MAT 7240 MT= 66 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %

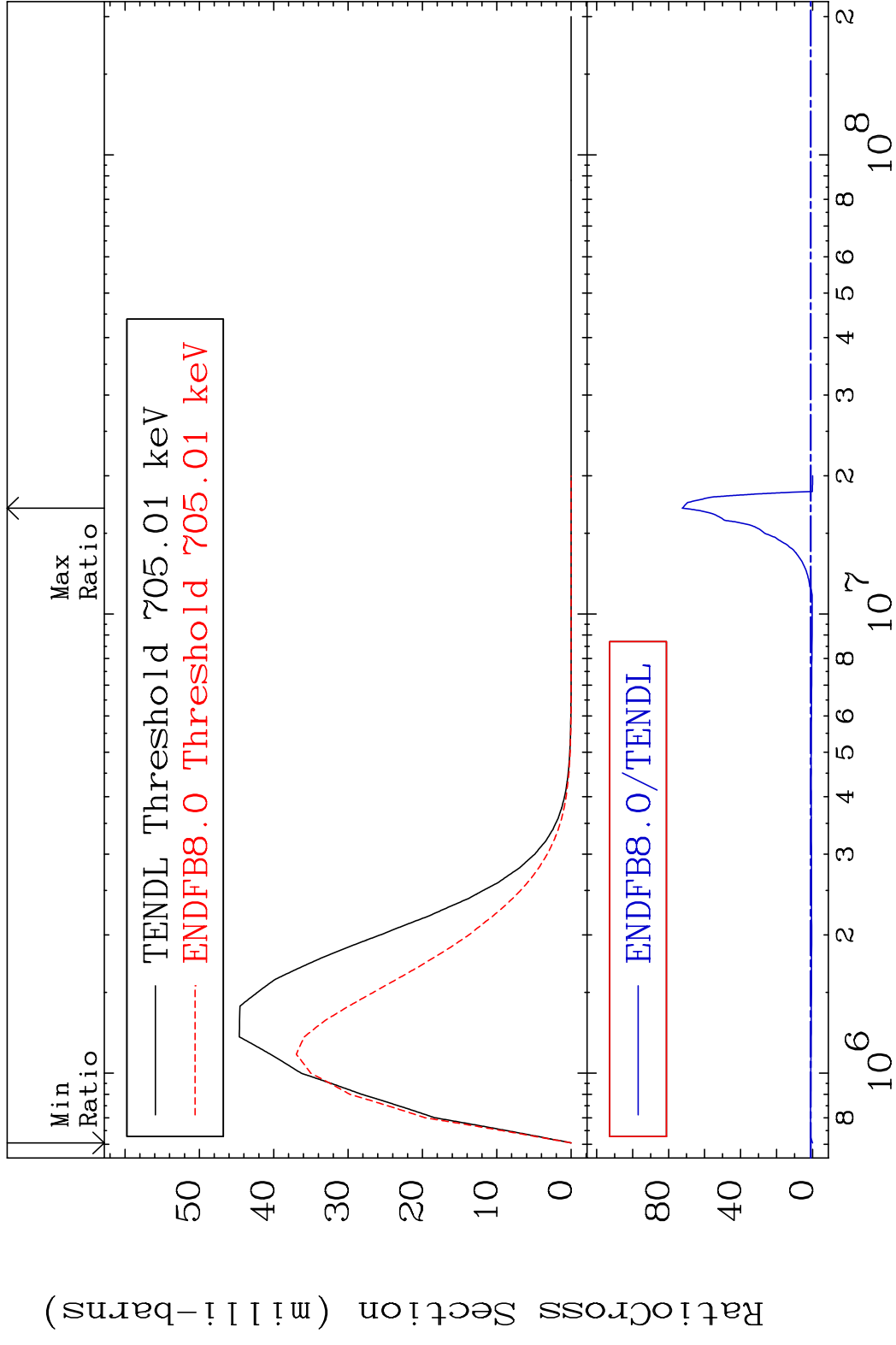




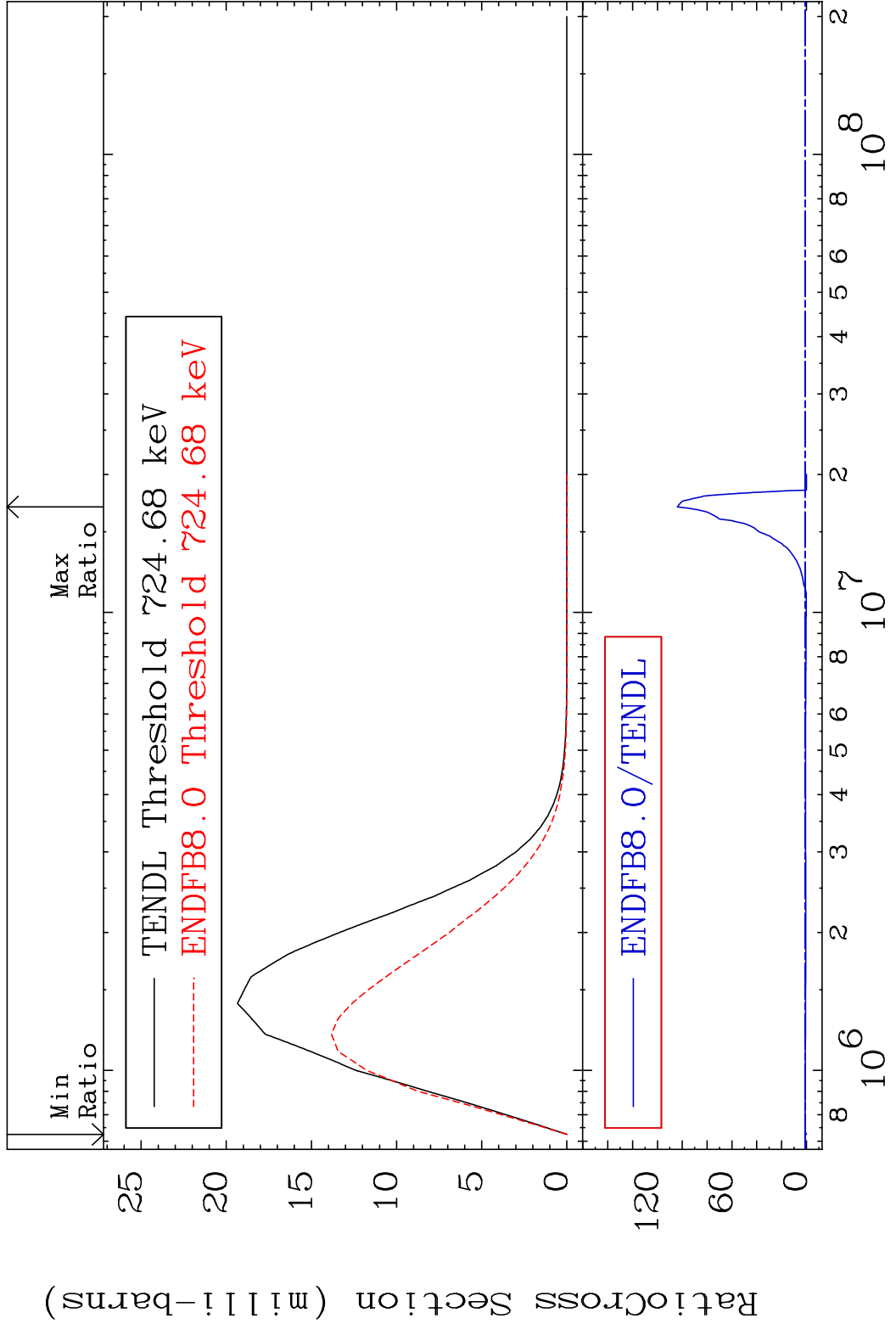
MAT 7240 MT= 67 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 4917. %



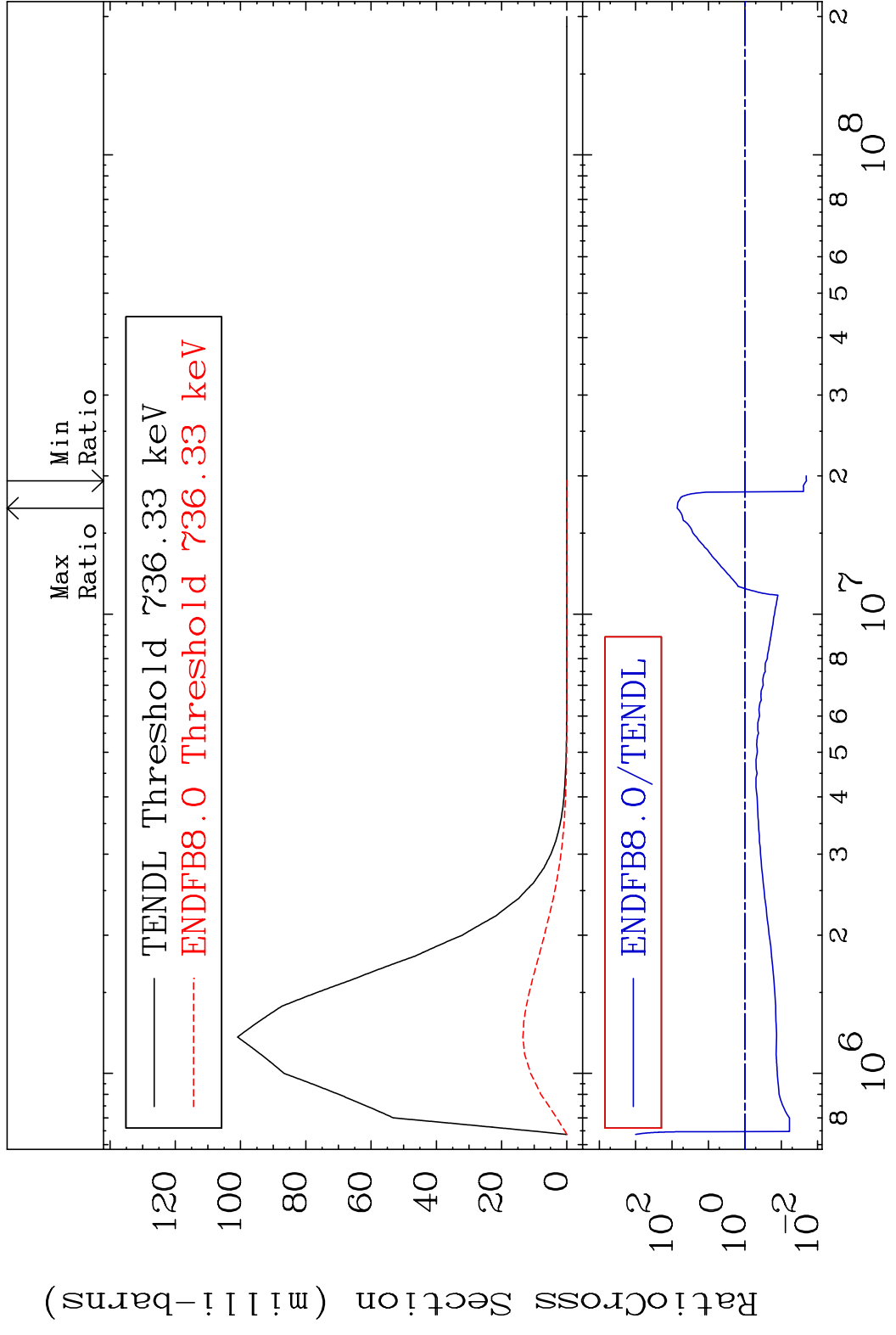
MAT 7240 MT= 68 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 7136. %



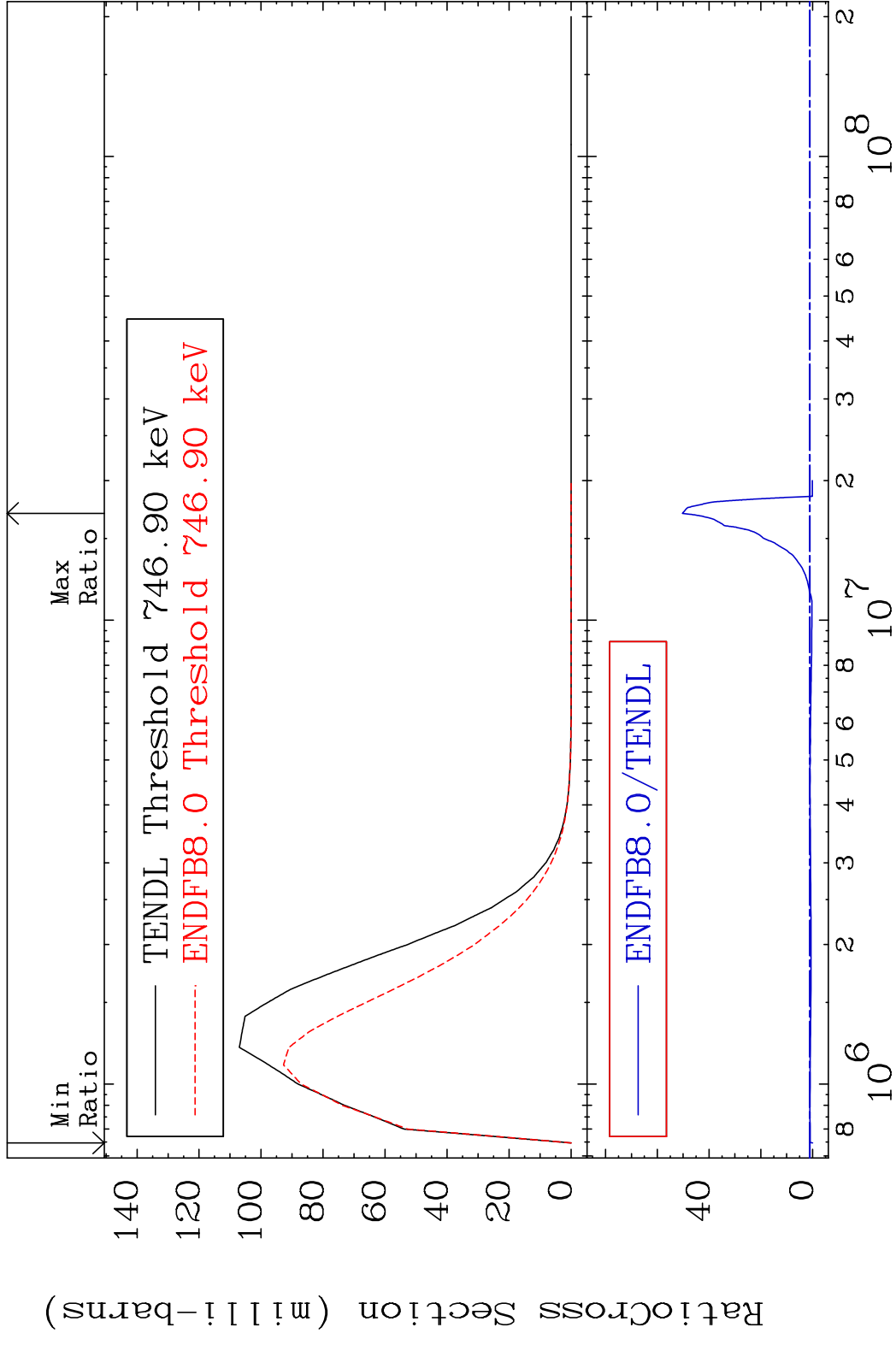
MAT 7240 MT= 69 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 9999. %



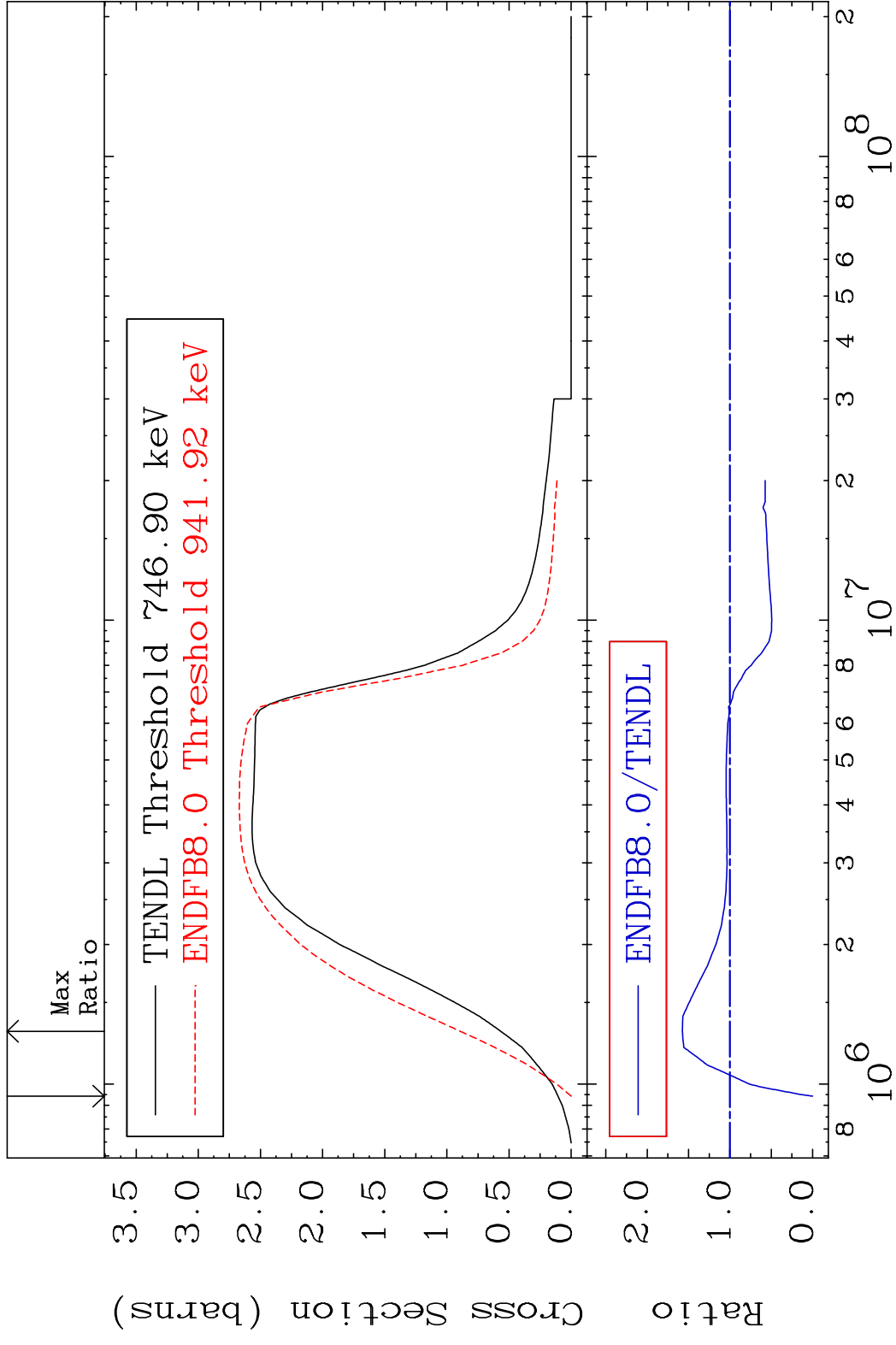
MAT 7240 MT= 70 (n, n') Level 72-Hf-179  
 Cross Section -97.97 To 7130. %



MAT 7240 MT= 71 (n, n') Level 72-Hf-179  
 Cross Section -100.0 To 4932. %



MAT 7240 (n,n') Continuum 72-Hf-179  
 Cross Section -100.0 To 57.49 %

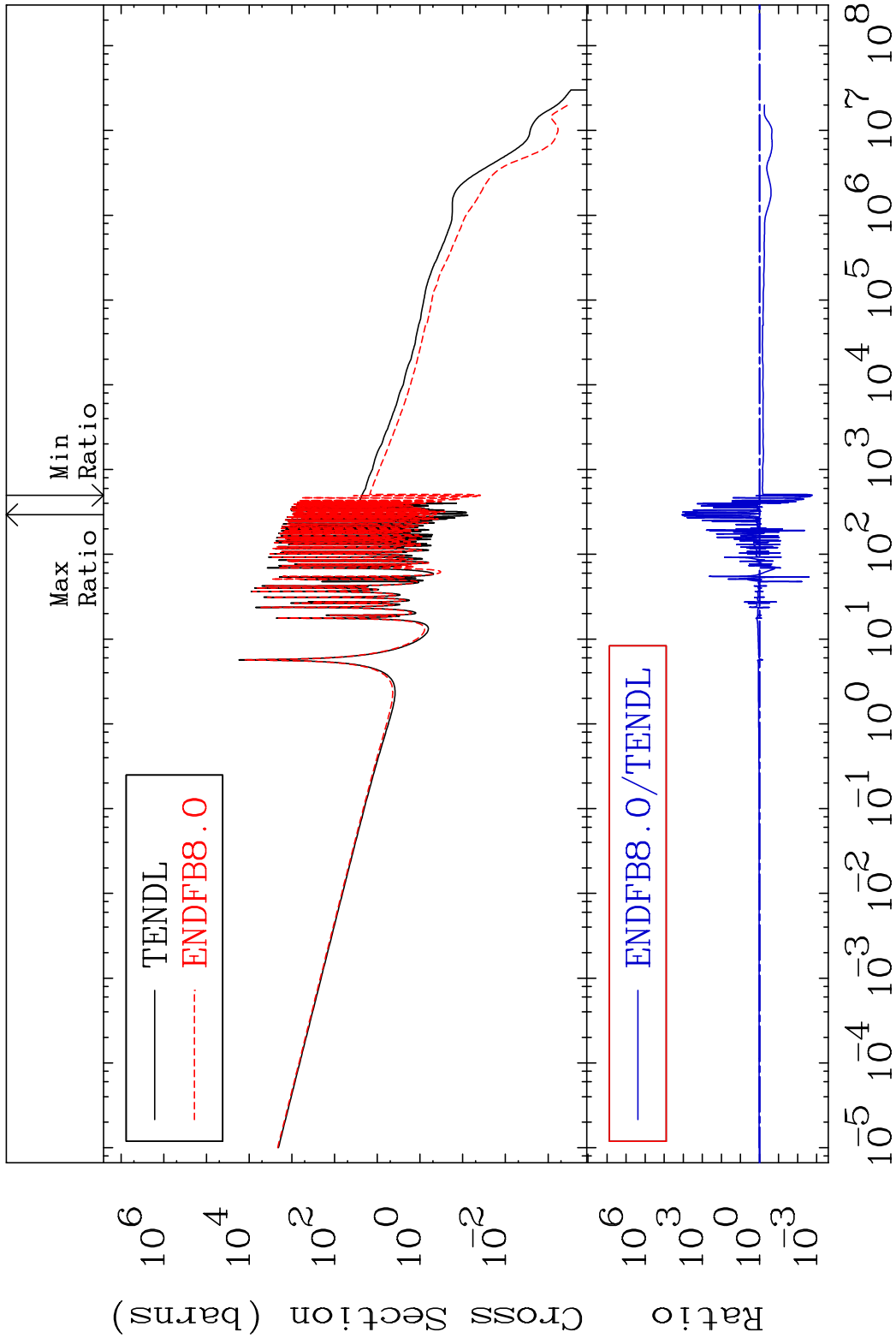


MAT 7240

(n,  $\gamma$ )

72-Hf-179

Cross Section -99.83 To 9999. %

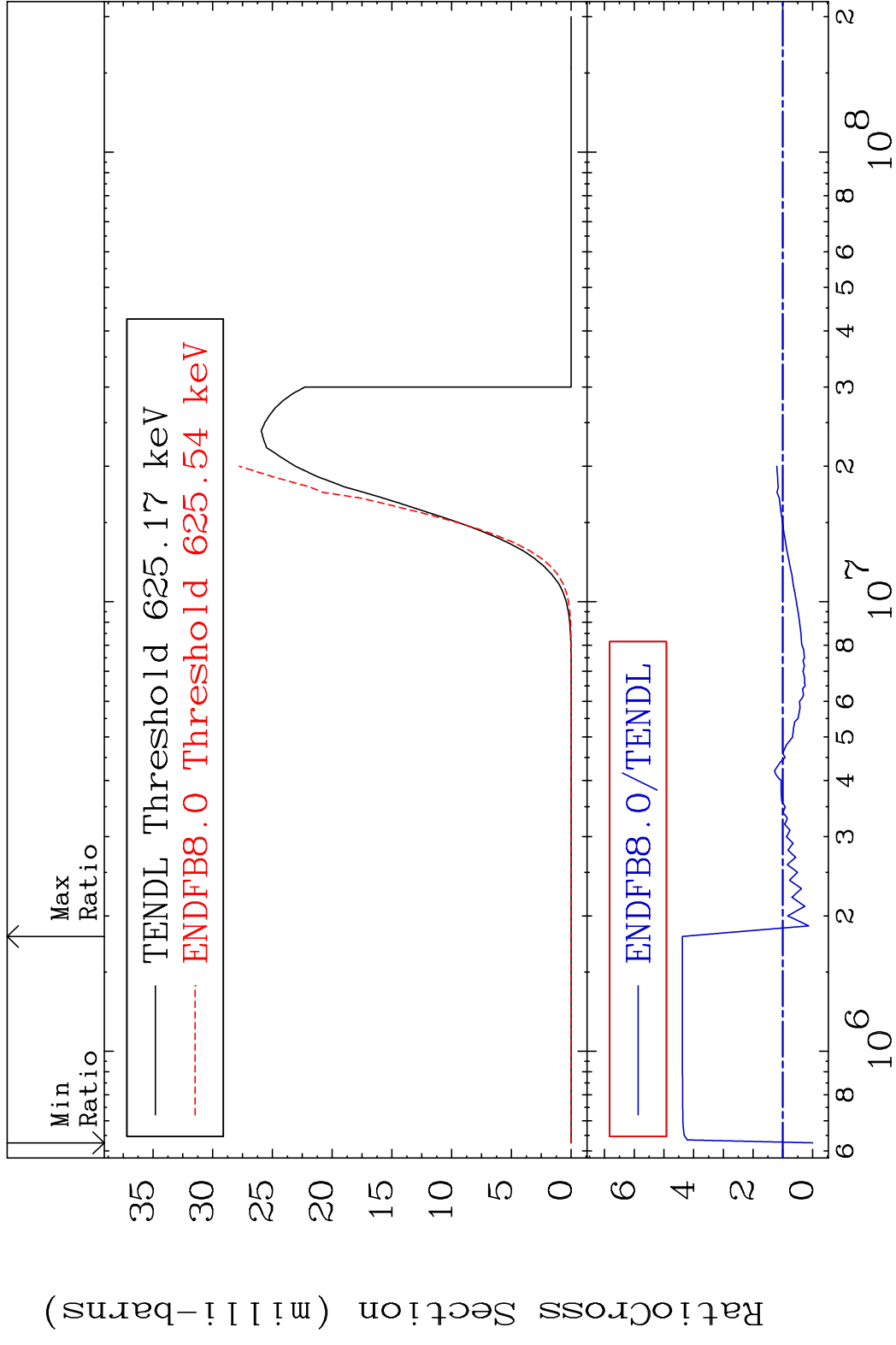


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Incident Energy (eV)

72-Hf-179

MAT 7240 (n,p) 72-Hf-179  
 Cross Section -100.0 To 338.0 %



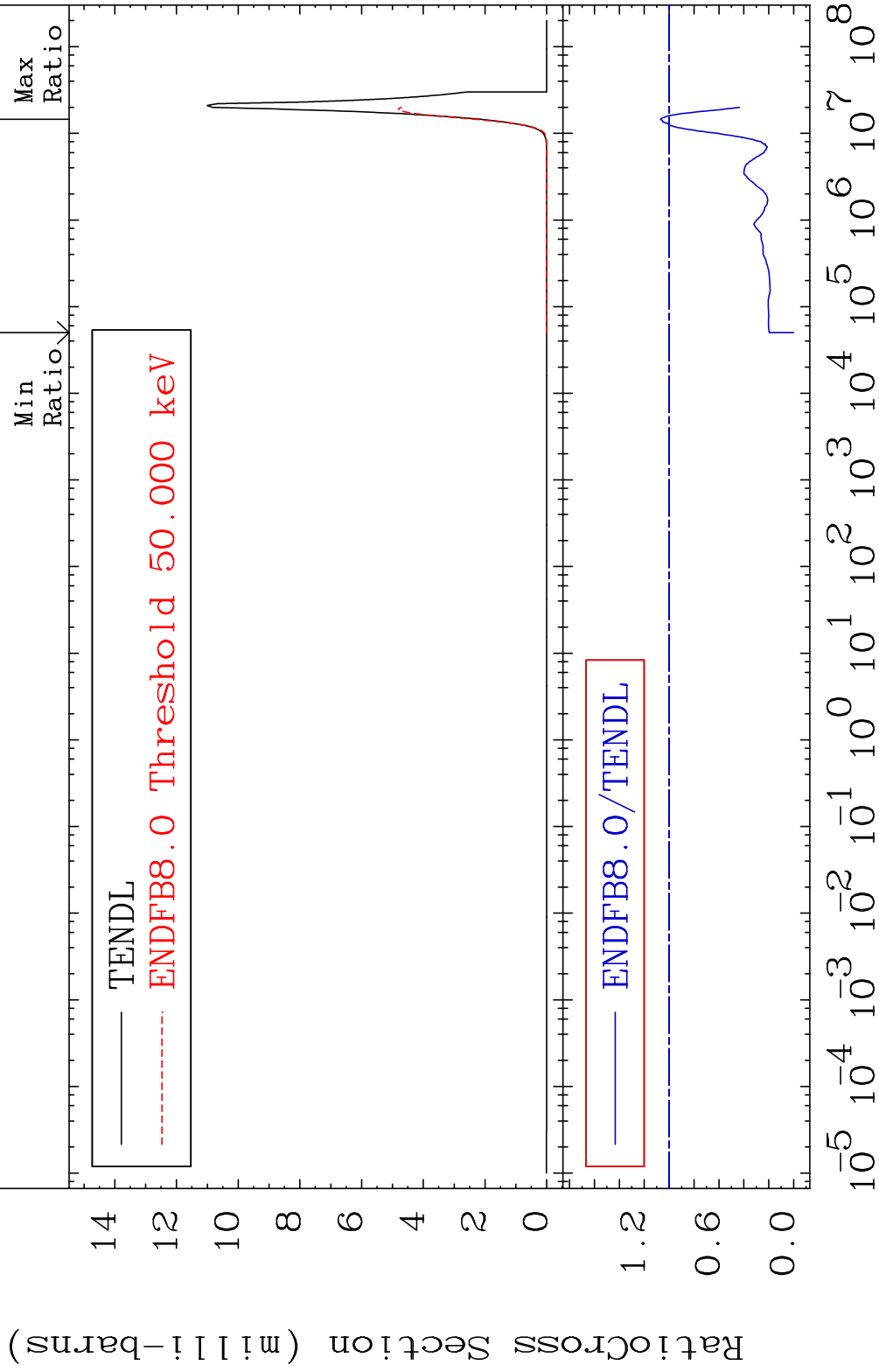


MAT 7240

(n,  $\alpha$ )

72-Hf-179

Cross Section -100.0 To 6.991 %



32

Incident Energy (eV)

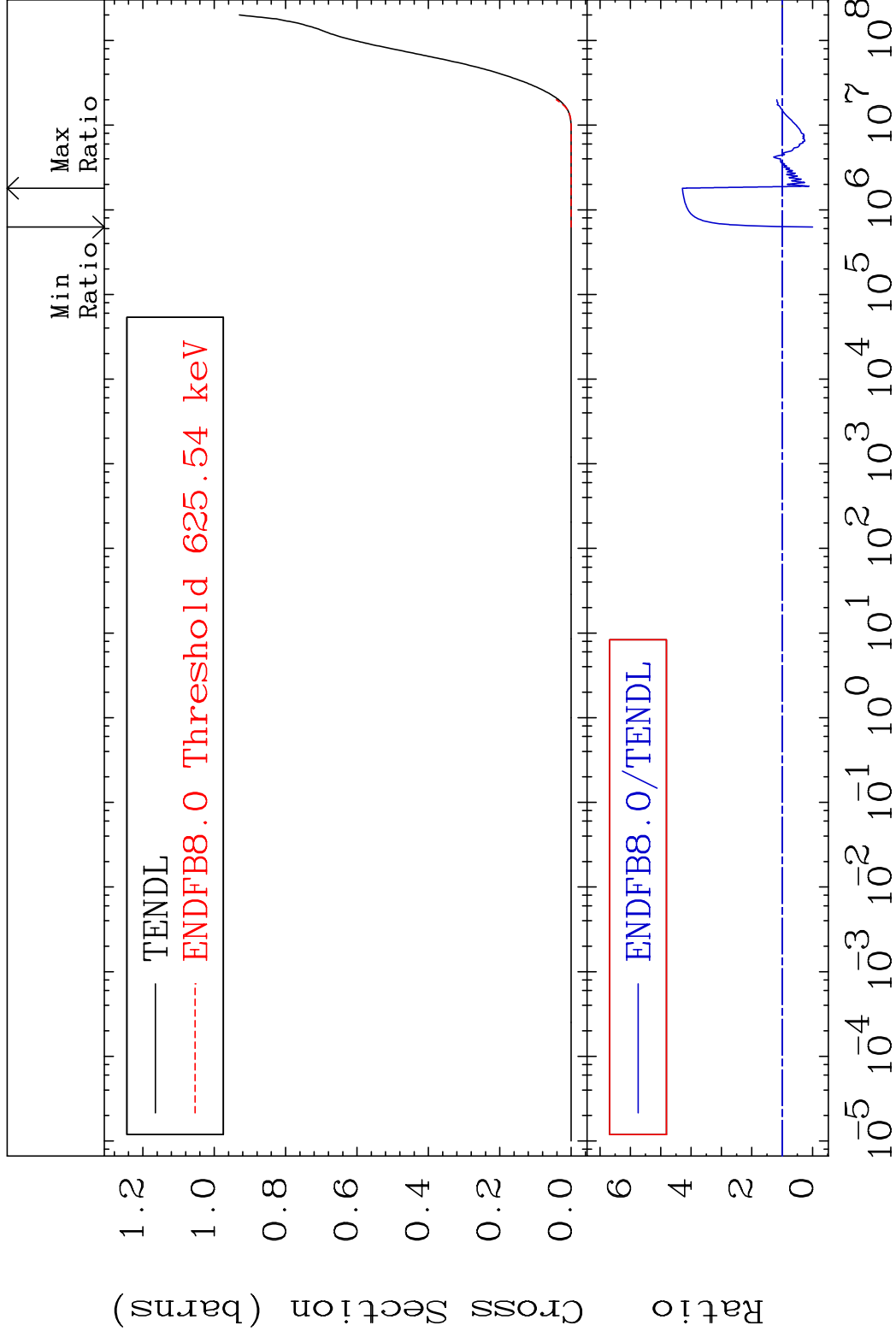
72-Hf-179

MAT 7240

Hydrogen Production

72-Hf-179

Cross Section -100.0 To 328.8 %



33

Incident Energy (eV)

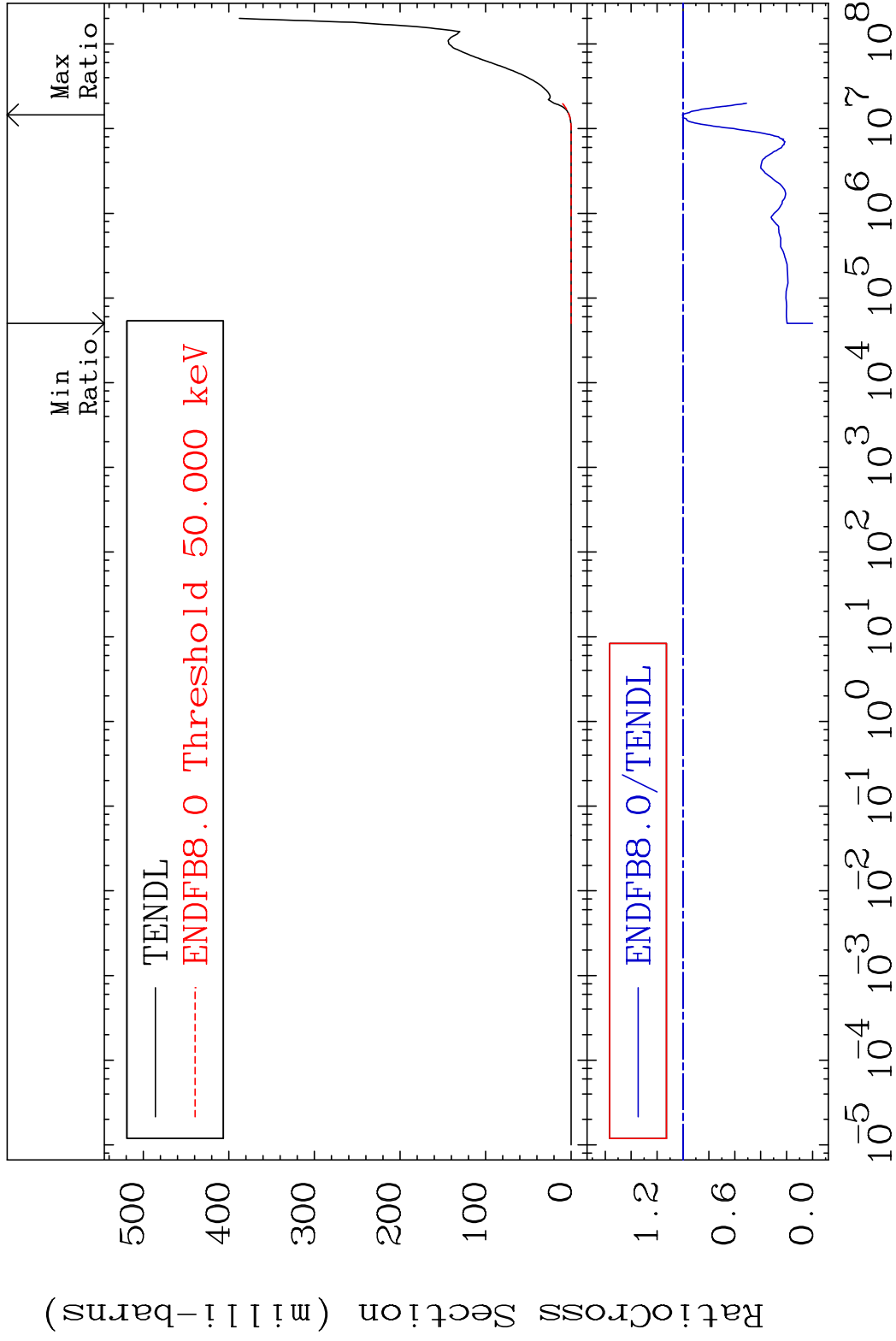
72-Hf-179

MAT 7240

He-4 Production

72-Hf-179

Cross Section -100.0 To 0.480 %

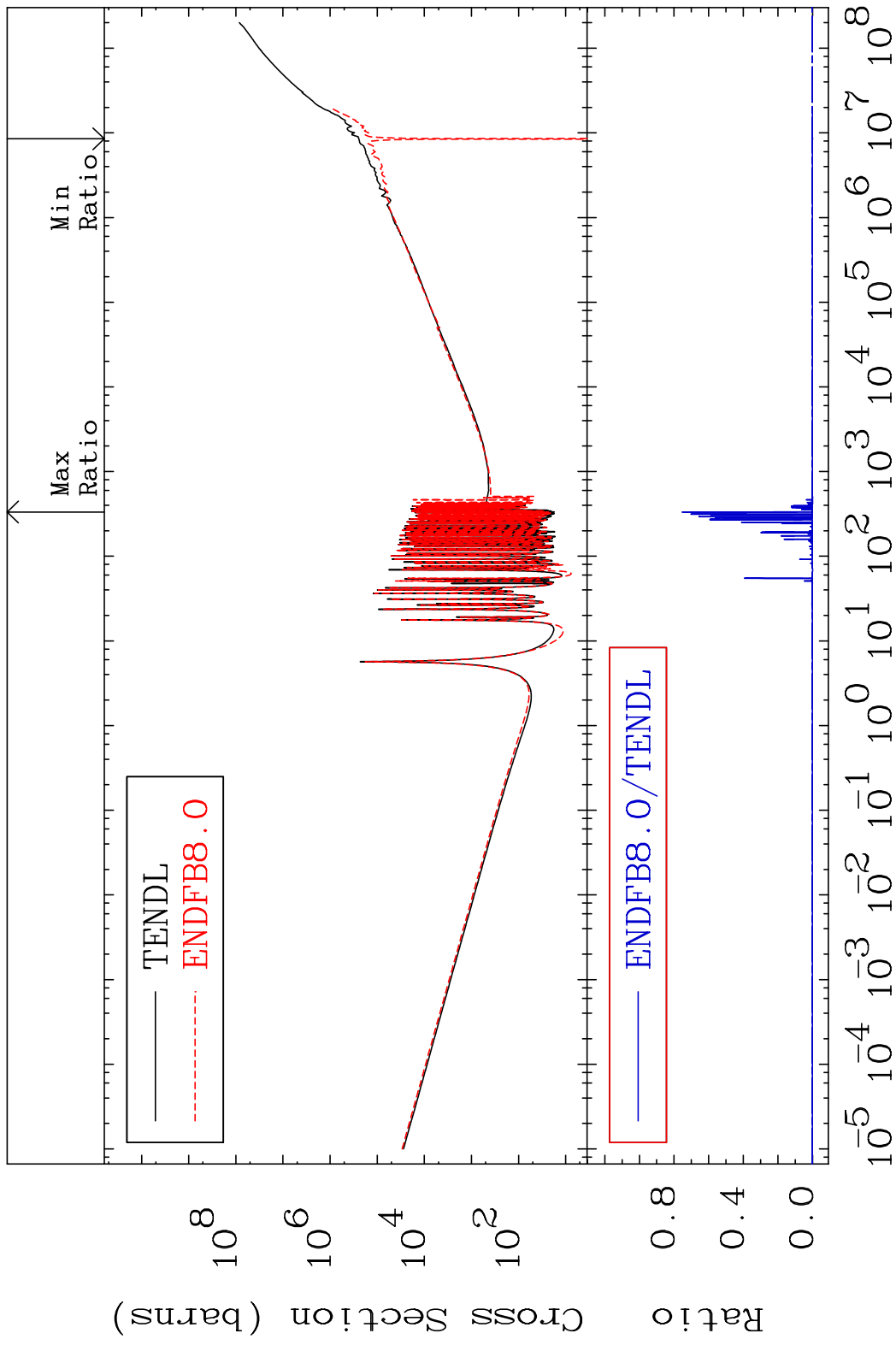


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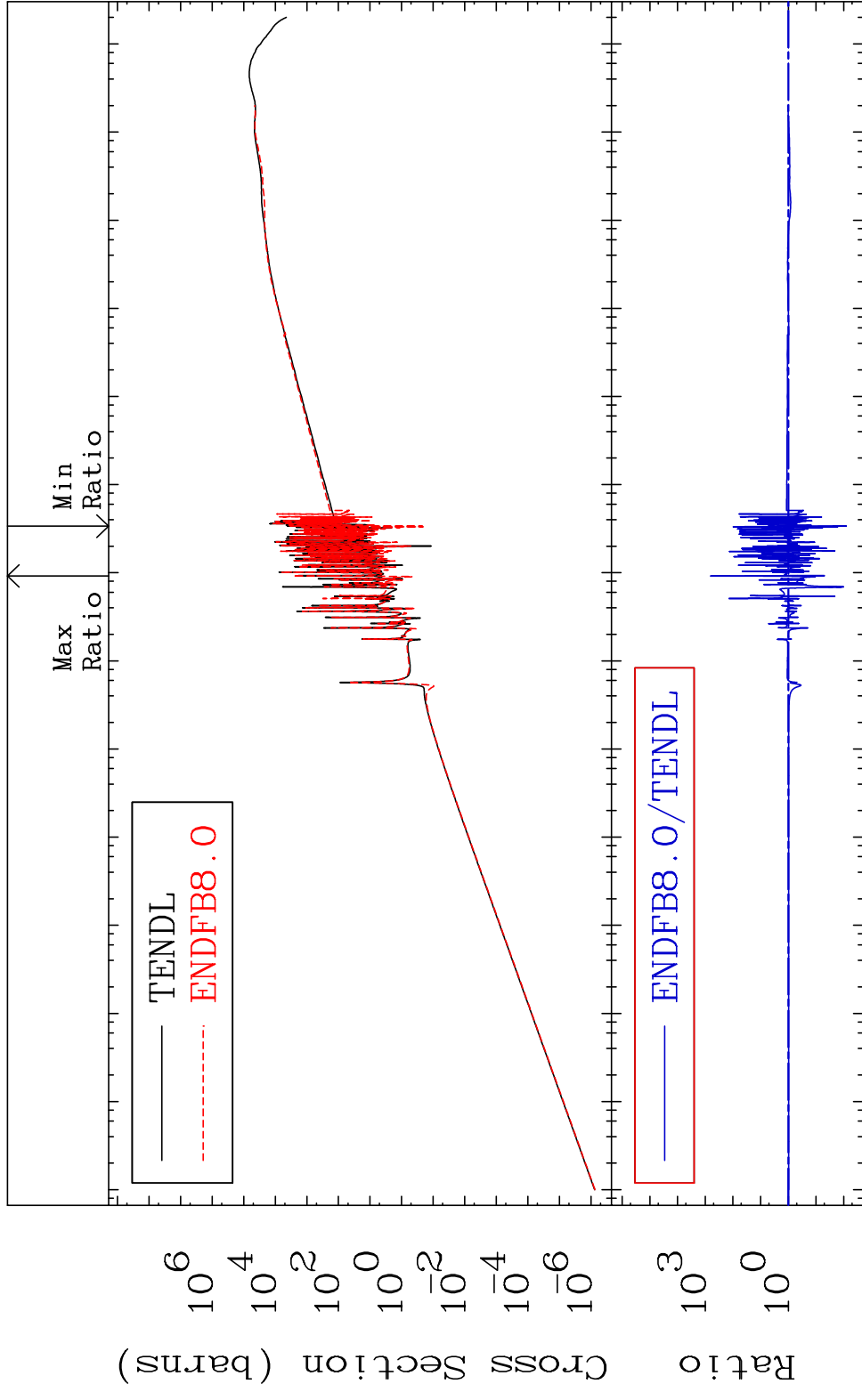
Incident Energy (eV)

72-Hf-179

MAT 7240 Kerma total (eV-barns) 72-Hf-179  
 Cross Section -108.7 To 9999. %

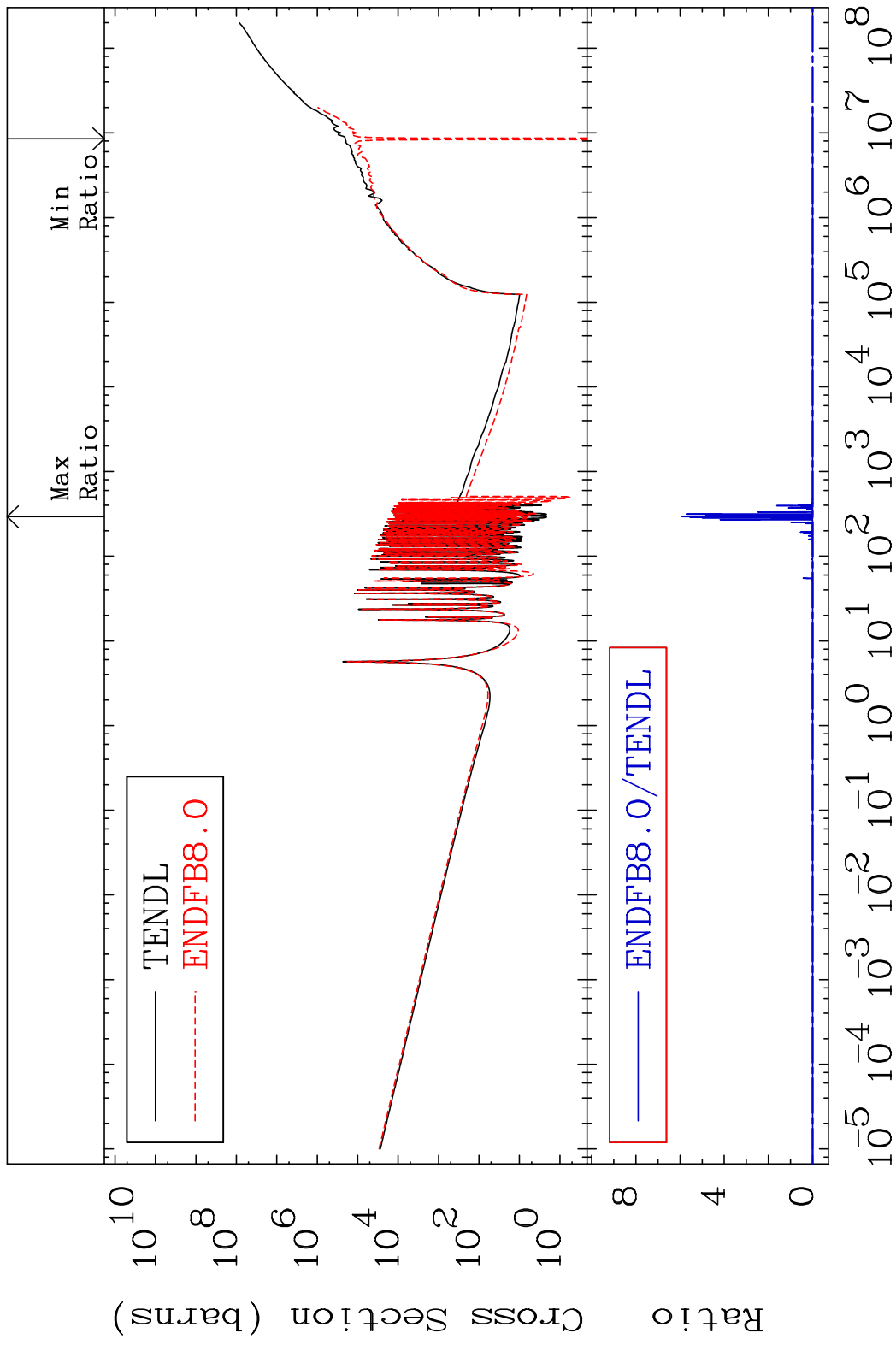


MAT 7240 Kerma elastic Cross Section -99.20 To 9999. % 72-Hf-179

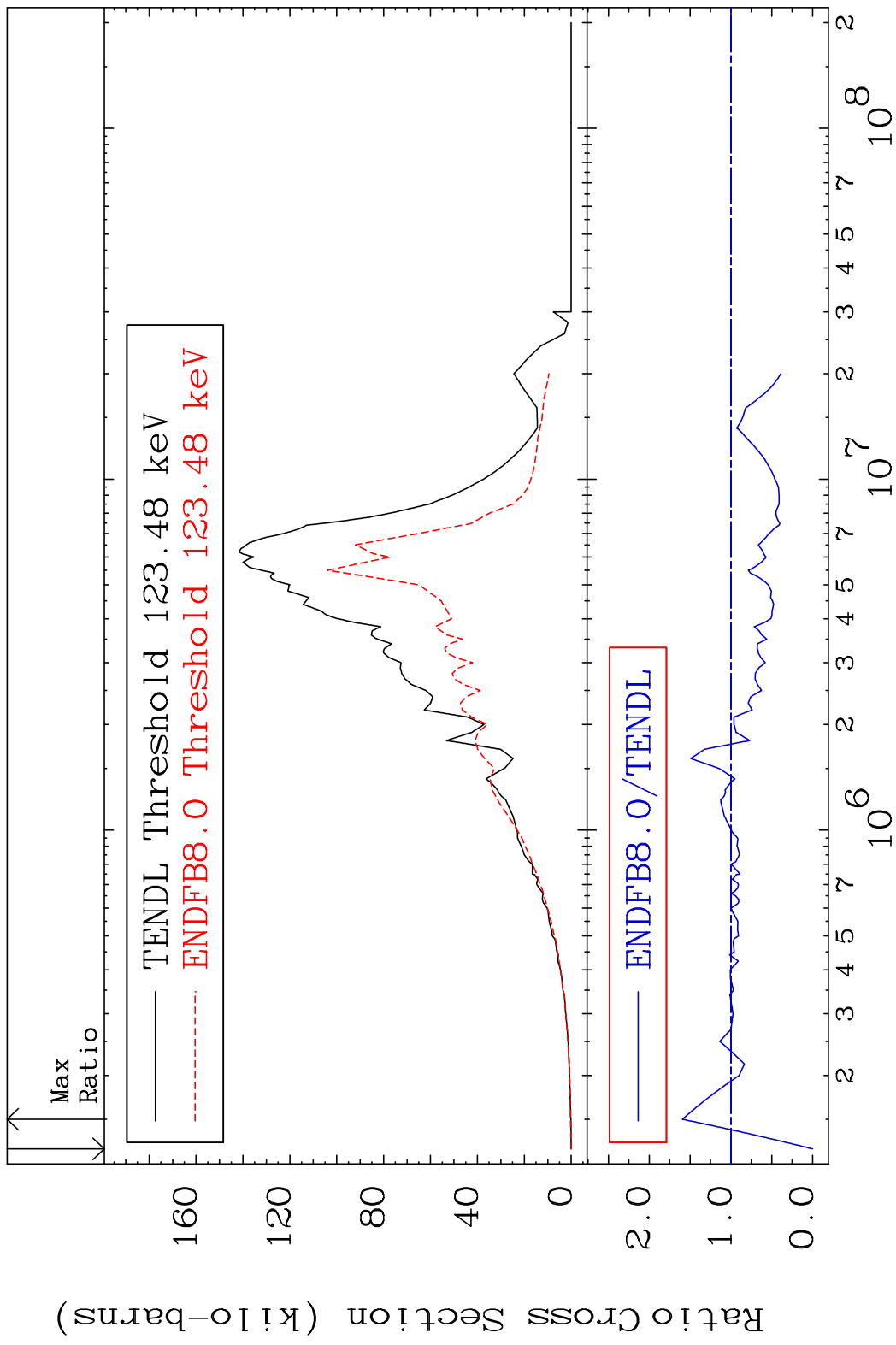


Incident Energy (eV) 72-Hf-179

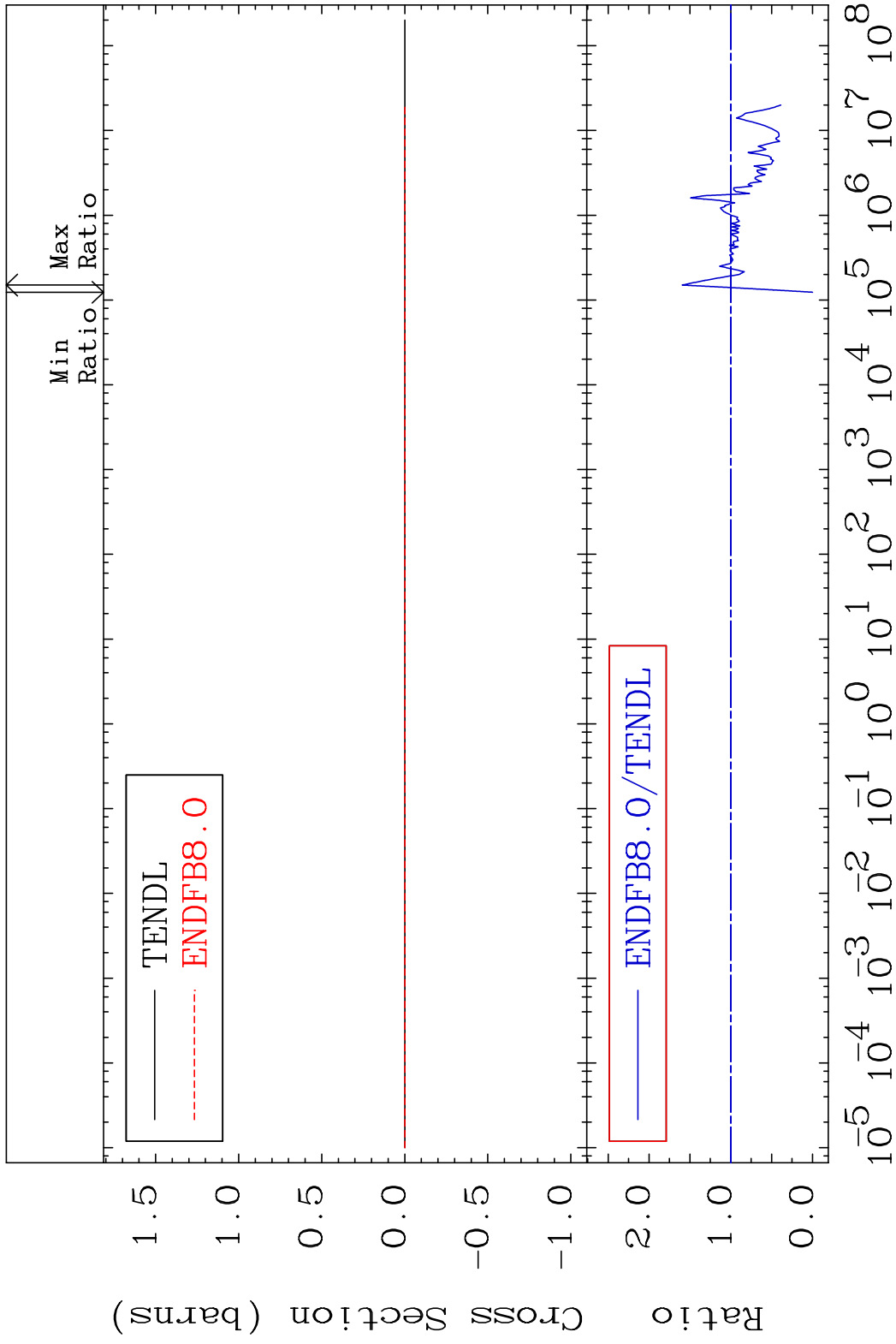
MAT 7240 Kerma non-elastic (all but mt2) 72-Hf-179  
 Cross Section -130.4 To 9999. %



MAT 7240 Kerma inelastic (mt51-91) 72-Hf-179  
 Cross Section -100.0 To 59.49 %



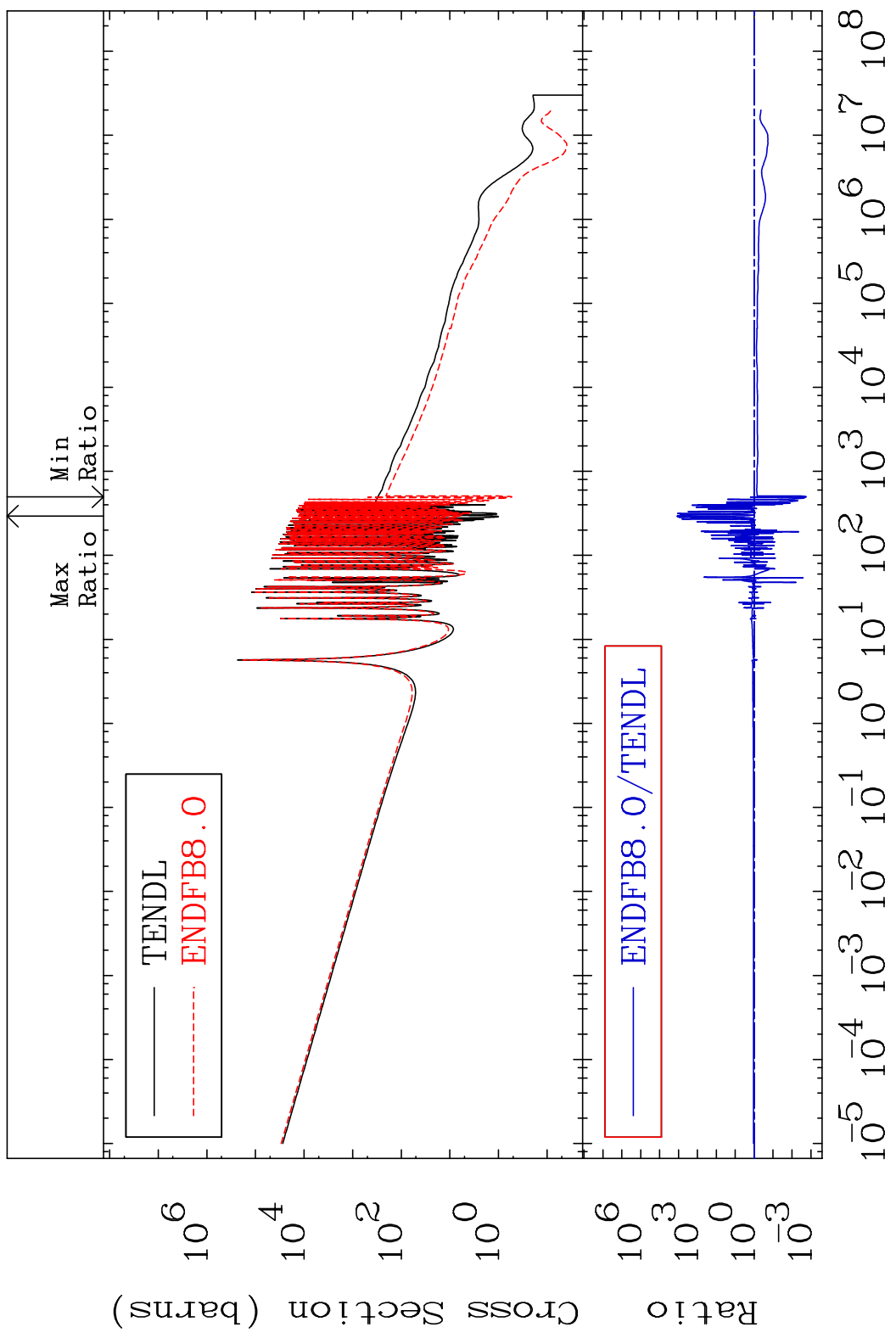
MAT 7240 Kerma fission (mt18 or mt19-20-21-38)72-Hf-179  
 Cross Section -100.0 To 59.49 %





MAT 7240

Kerma capture (mt102) 72-Hf-179  
Cross Section -99.83 To 9999. %

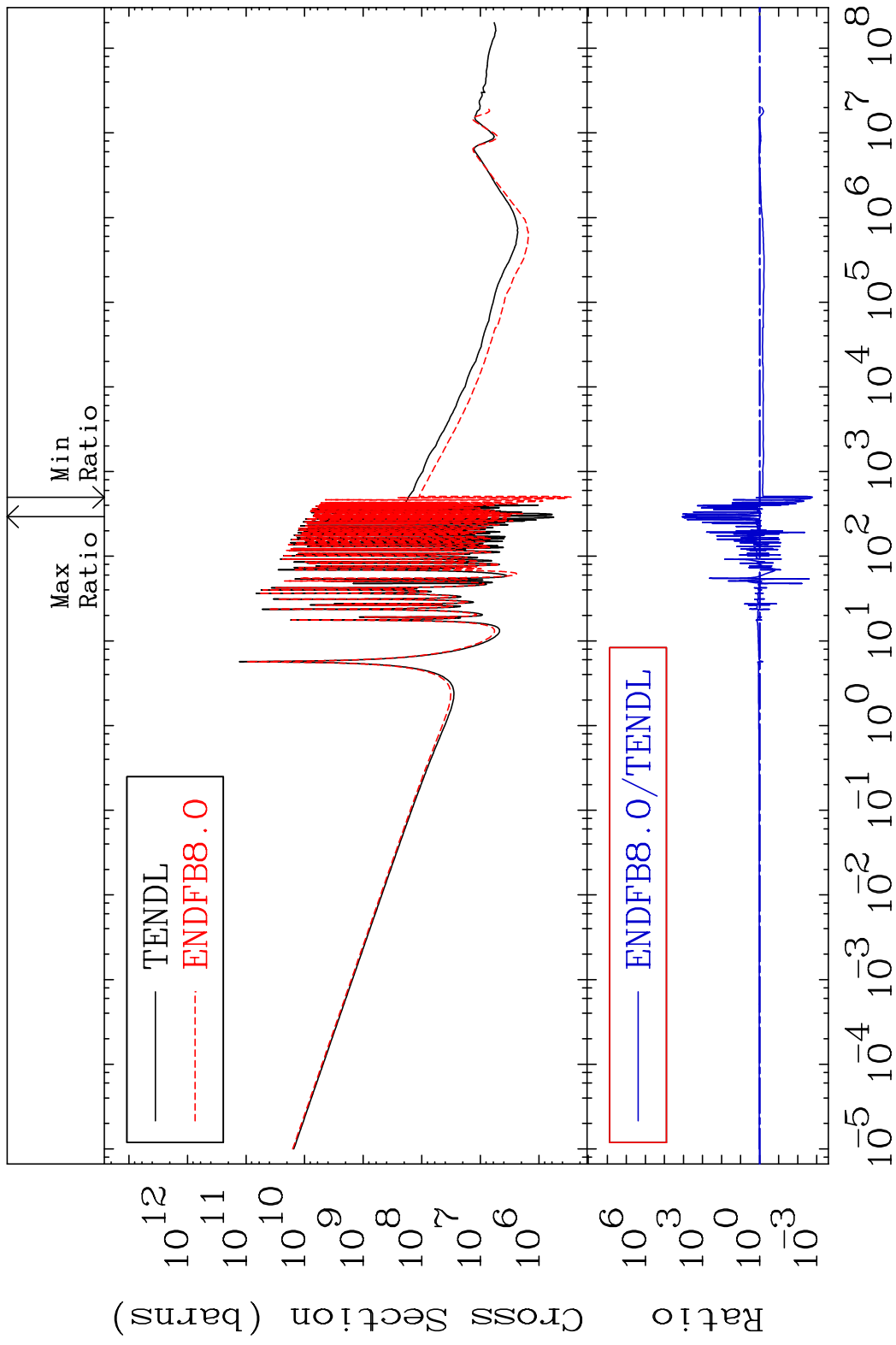


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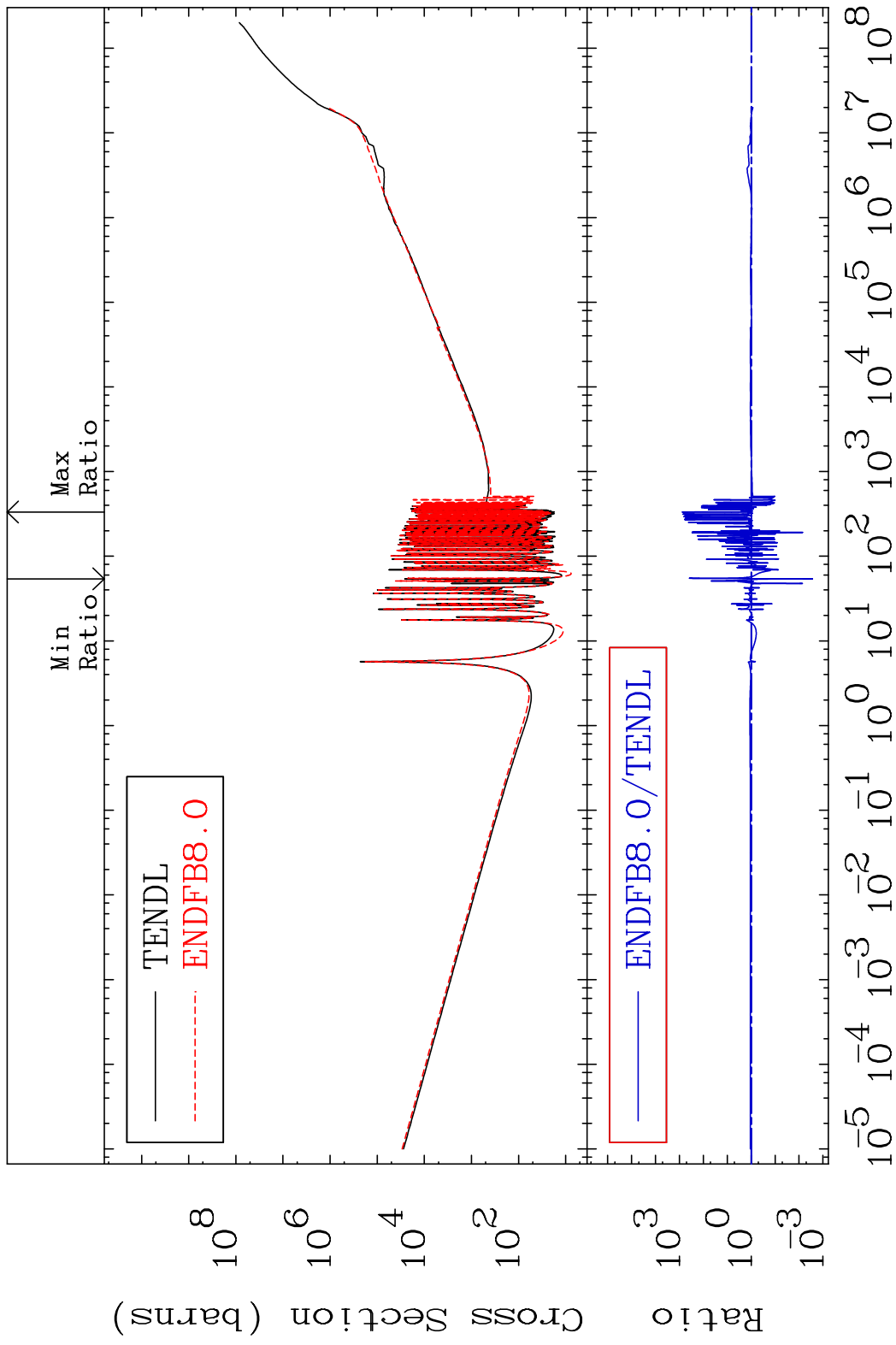
Incident Energy (eV)

72-Hf-179

MAT 7240 Total photon (eV-barns) 72-Hf-179  
 Cross Section -99.83 To 9999. %



MAT 7240 Total kinematic kerma (high limit) 72-Hf-179  
 Cross Section -99.73 To 9999. %

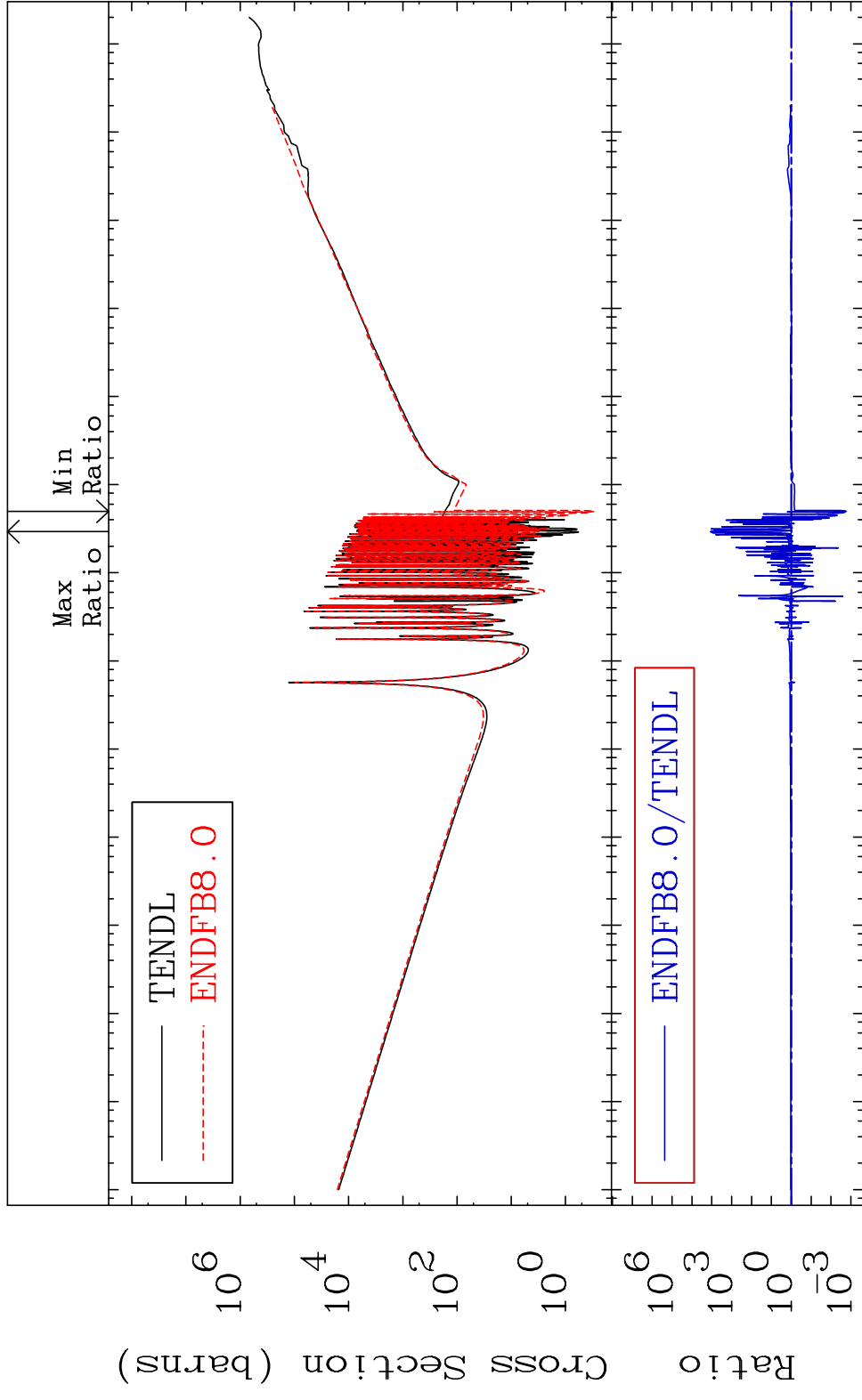


MAT 7240

Dpa total (eV-barns)

72-Hf-179

Cross Section -99.83 To 9999. %

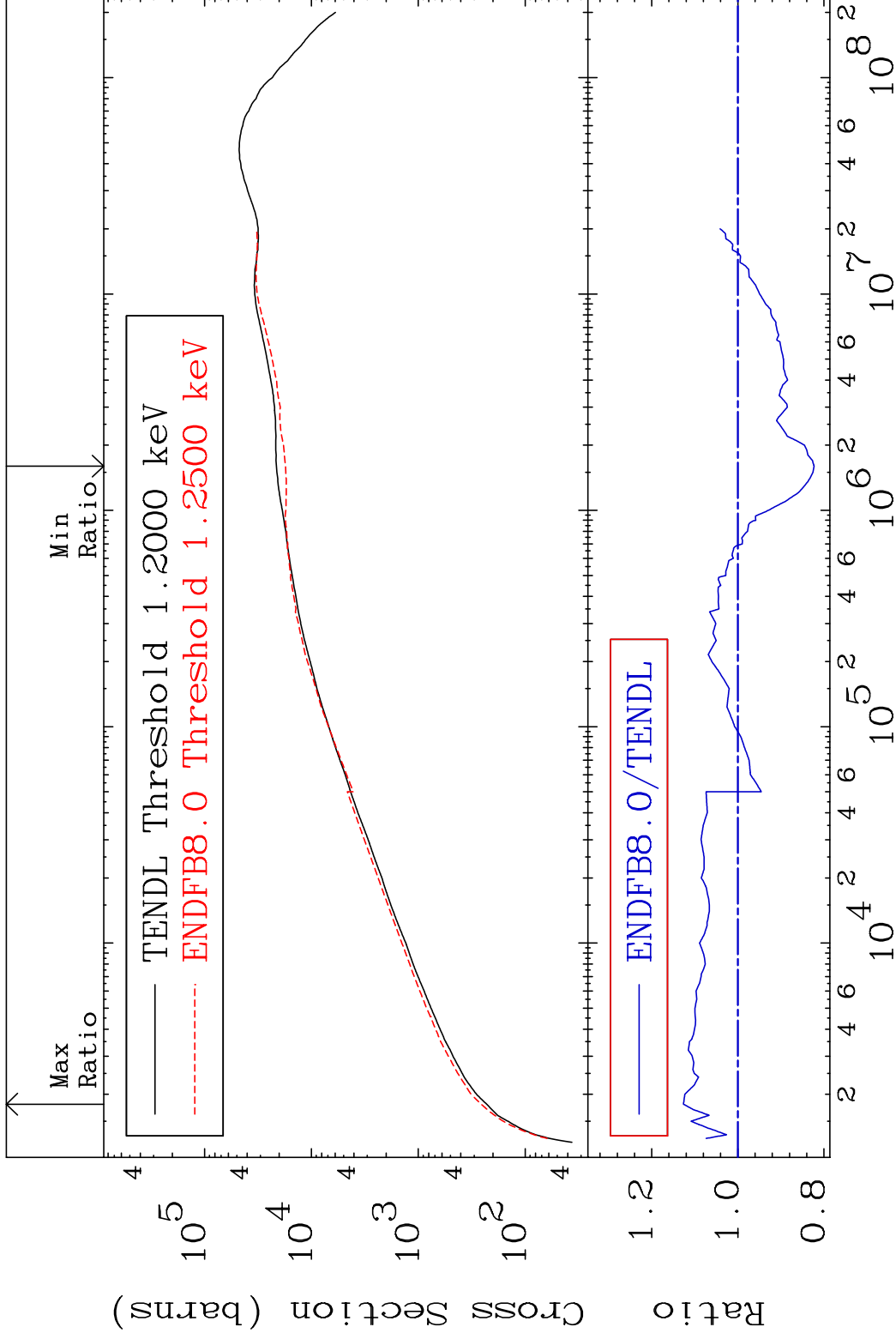


MAT 7240

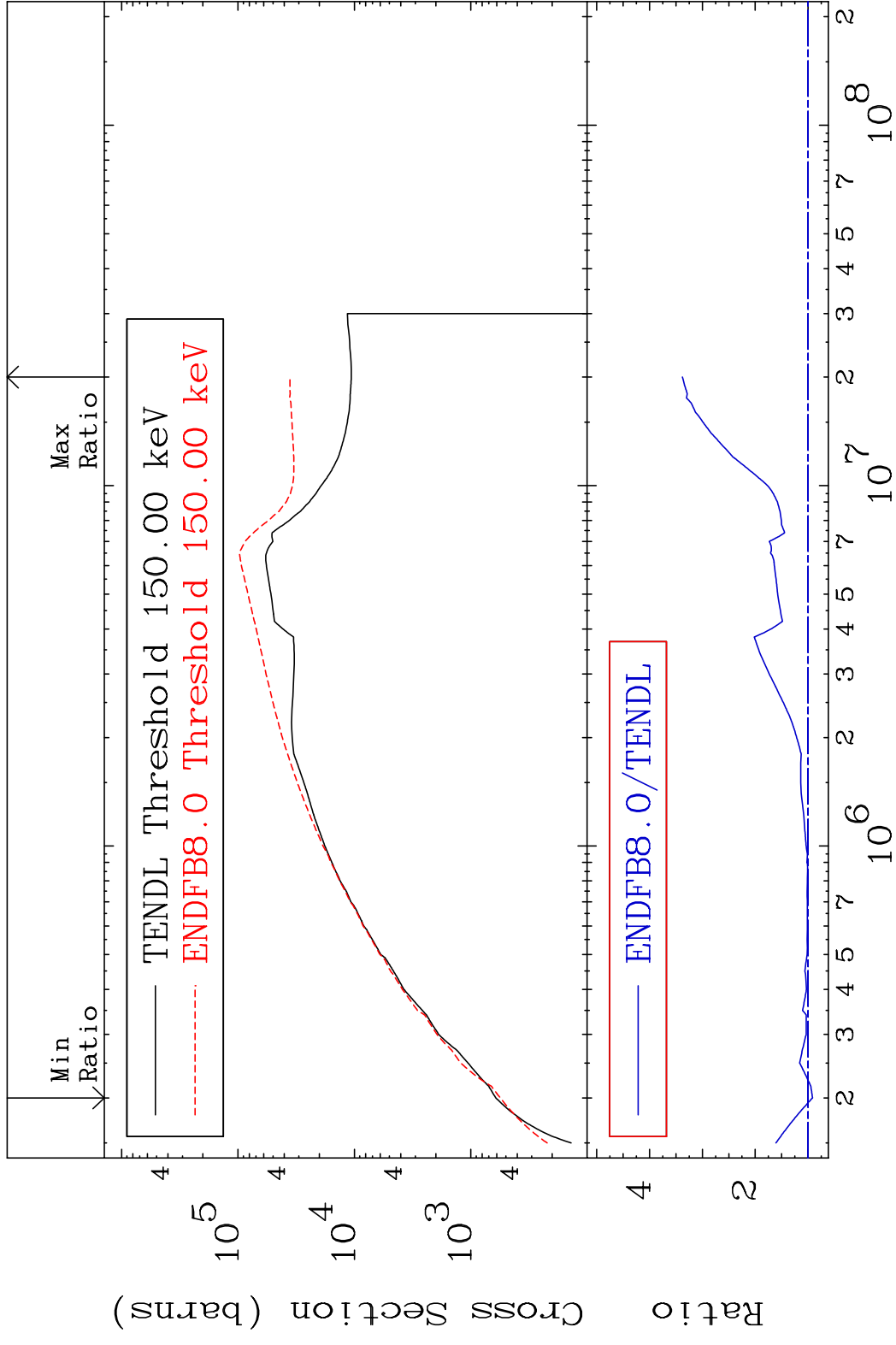
Dpa elastic (mt2)

72-Hf-179

Cross Section -17.69 To 12.63 %



MAT 7240 Dpa inelastic (mt51-91) 72-Hf-179  
 Cross Section -8.518 To 237.9 %



MAT 7240 Dpa disappearance (mt102 -120) 72-Hf-179  
 Cross Section -99.83 To 9999. %

