

Program Complot  
(Version 2021-1)

by

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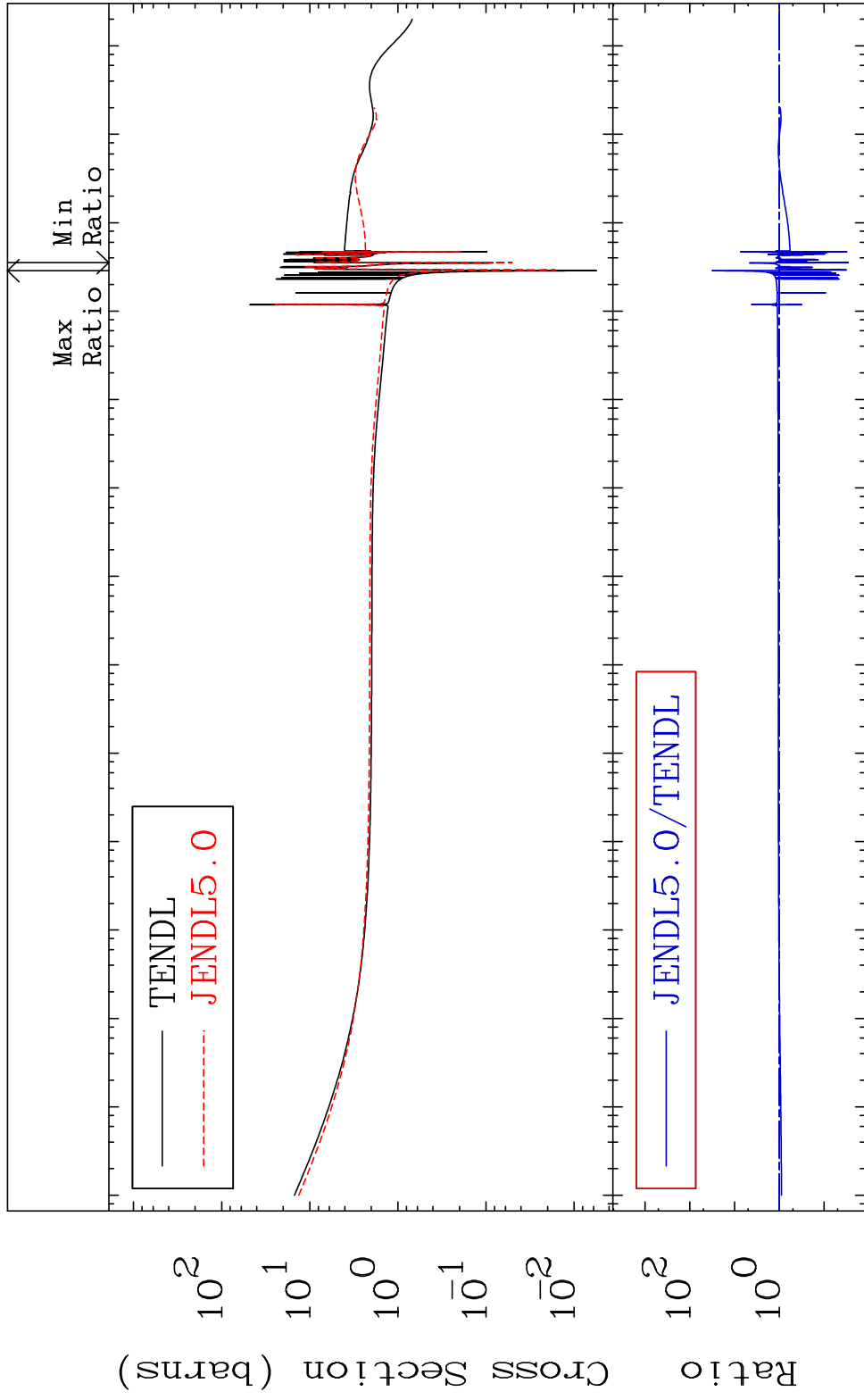
Press Mouse Button to Start

MAT 1631

Total

16-S -34

Cross Section -97.12 To 3027. %



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>

Incident Energy (eV)

16-S -34

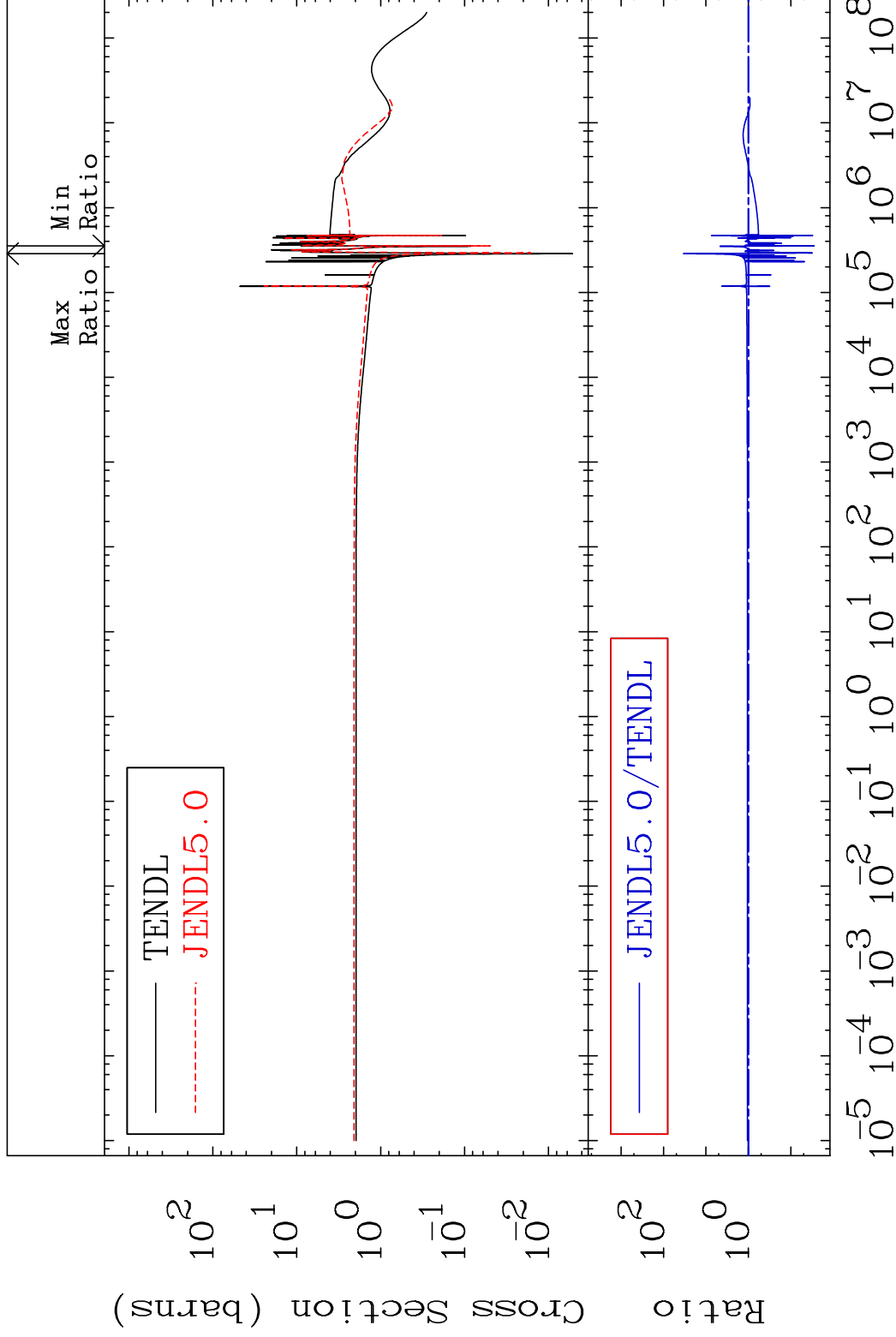
MAT 1631

Elastic

16-S -34

Cross Section

-97.17 To 3253. %



2

Incident Energy (eV)

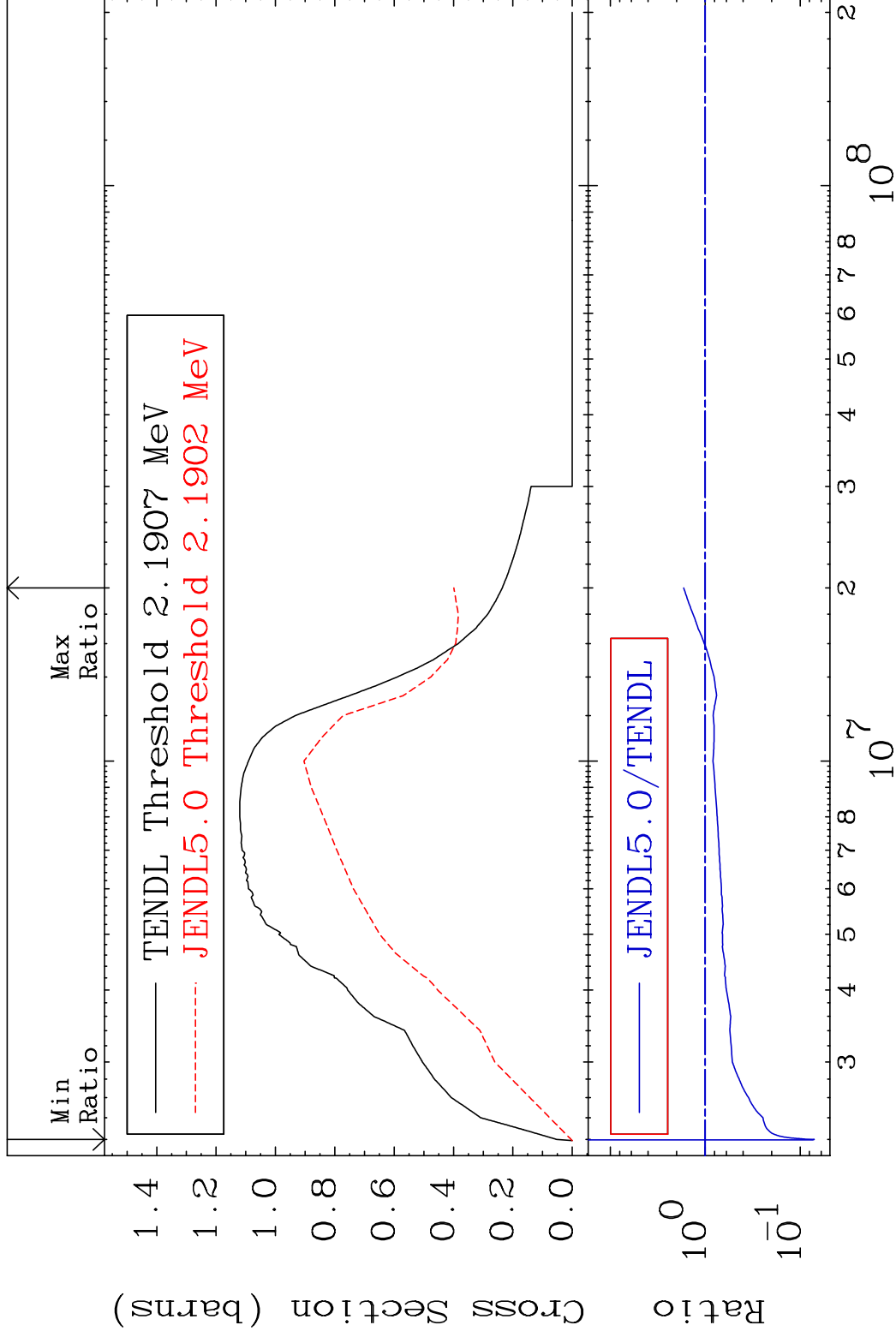
16-S -34

MAT 1631

Inelastic

16-S -34

Cross Section -92.88 To 68.98 %



3

Incident Energy (eV)

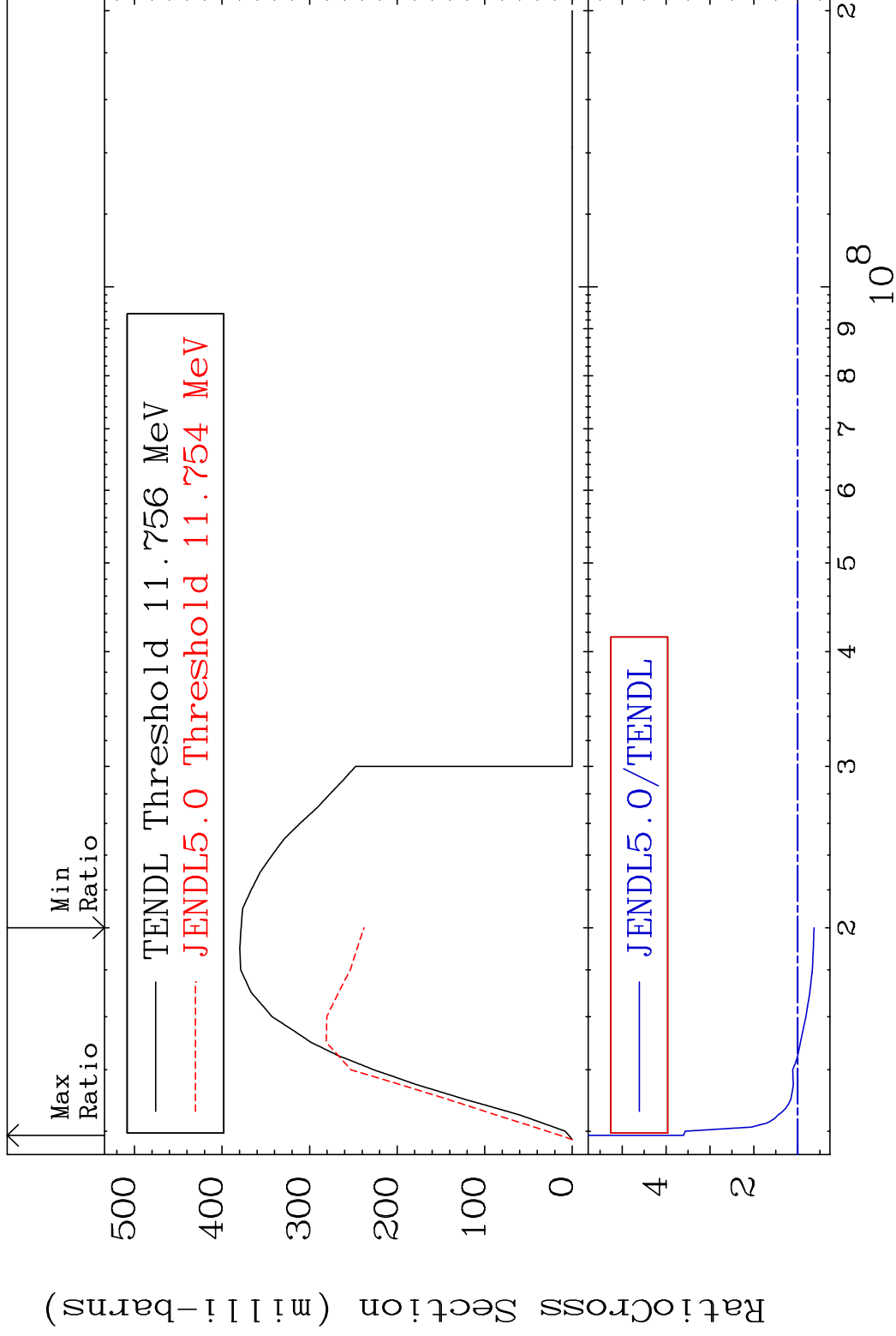
16-S -34

MAT 1631

(n,2n)

16-S -34

Cross Section -37.13 To 259.9 %



4

Incident Energy (eV)

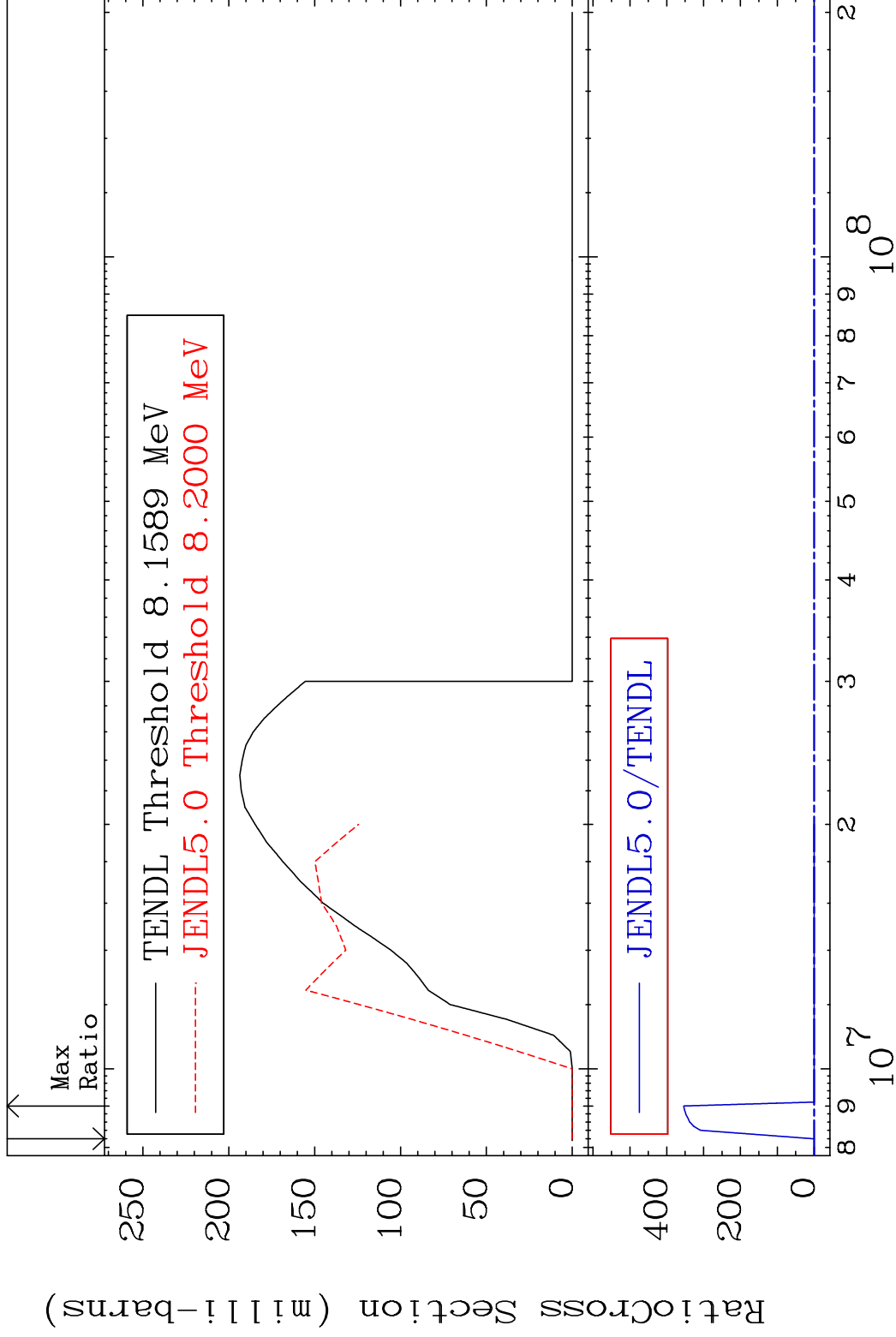
16-S -34

MAT 1631

(n, n')  $\alpha$

16-S -34

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

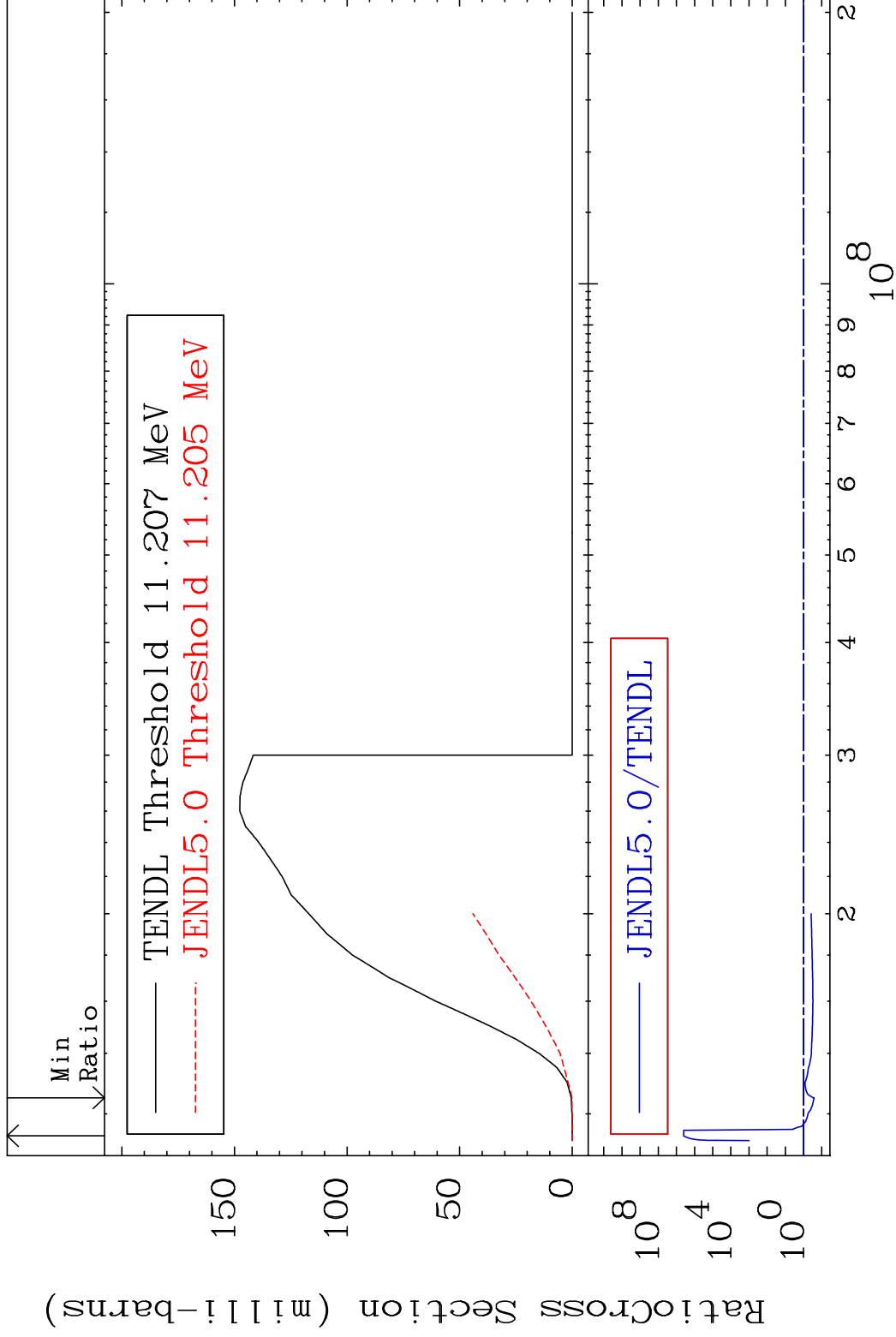
16-S -34

MAT 1631

(n, n') p

16-S -34

Cross Section -74.05 To 9999. %

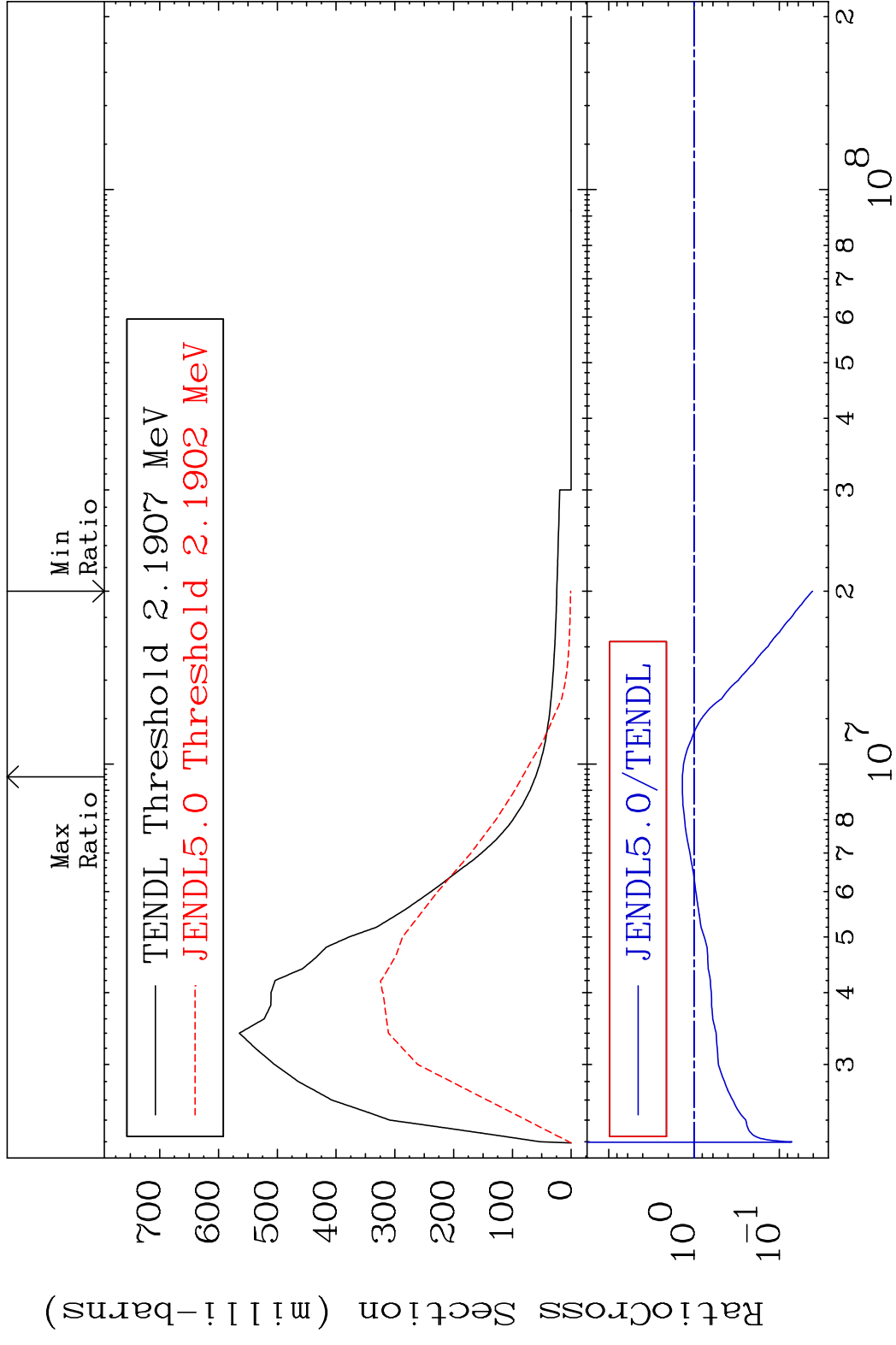


6

Incident Energy (eV)

16-S -34

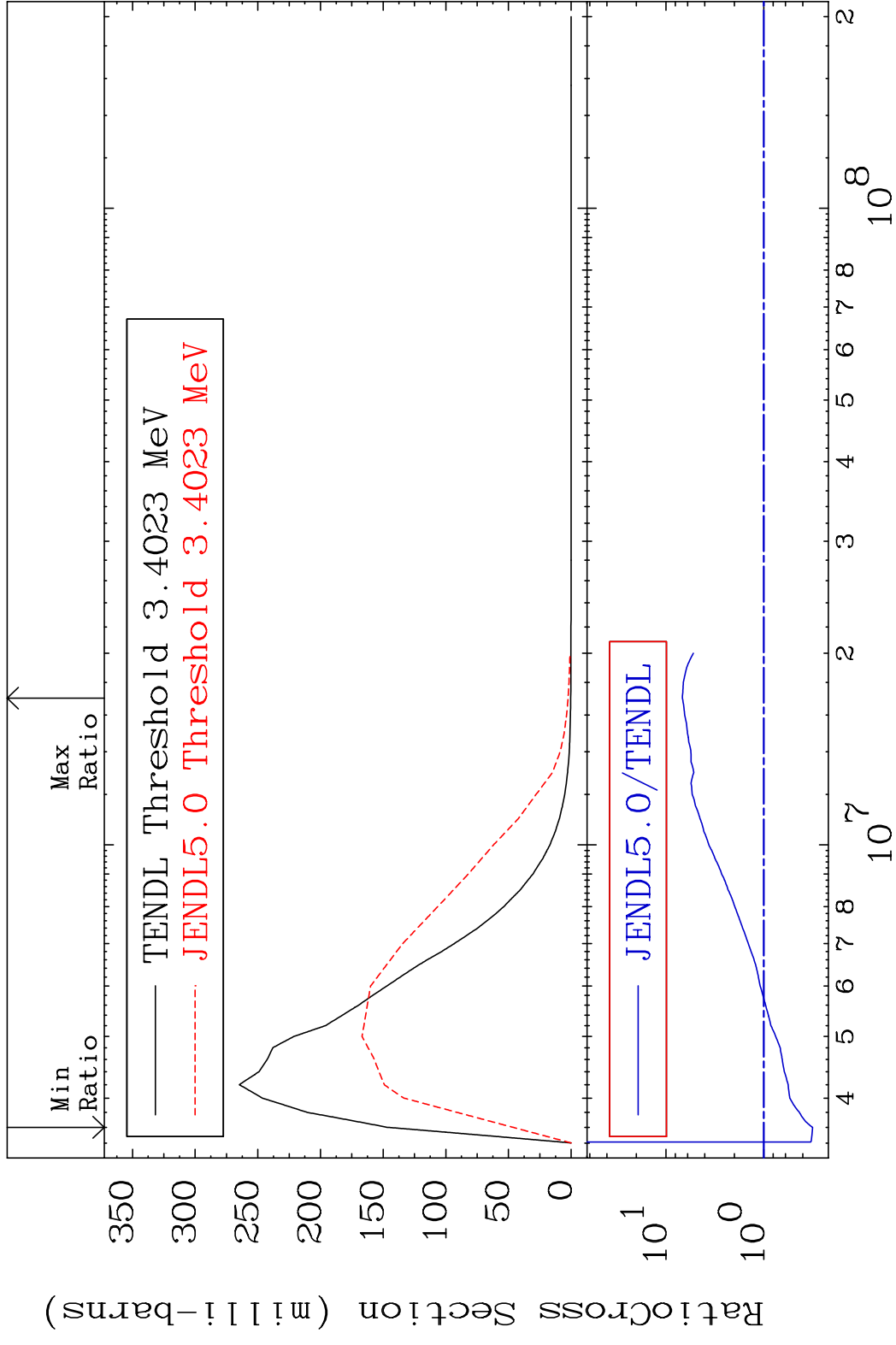
MAT 1631 MT= 51 (n, n') Level 16-S -34  
 Cross Section -95.93 To 37.02 %



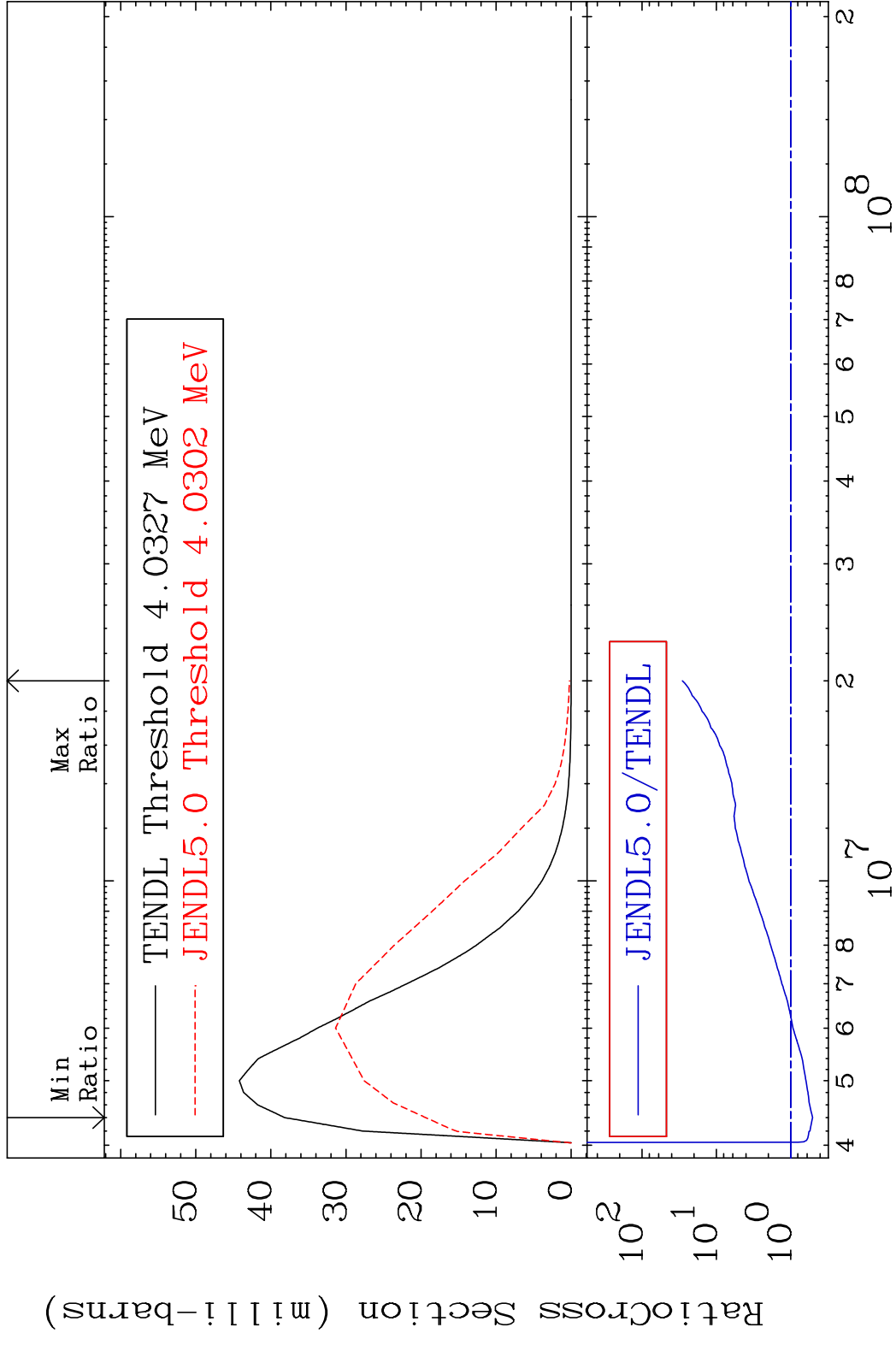
7 Incident Energy (eV) 16-S -34



MAT 1631 MT= 52 (n,n') Level 16-S -34  
 Cross Section -68.28 To 578.7 %



MAT 1631 MT= 53 (n, n') Level 16-S -34  
 Cross Section -49.26 To 2771. %

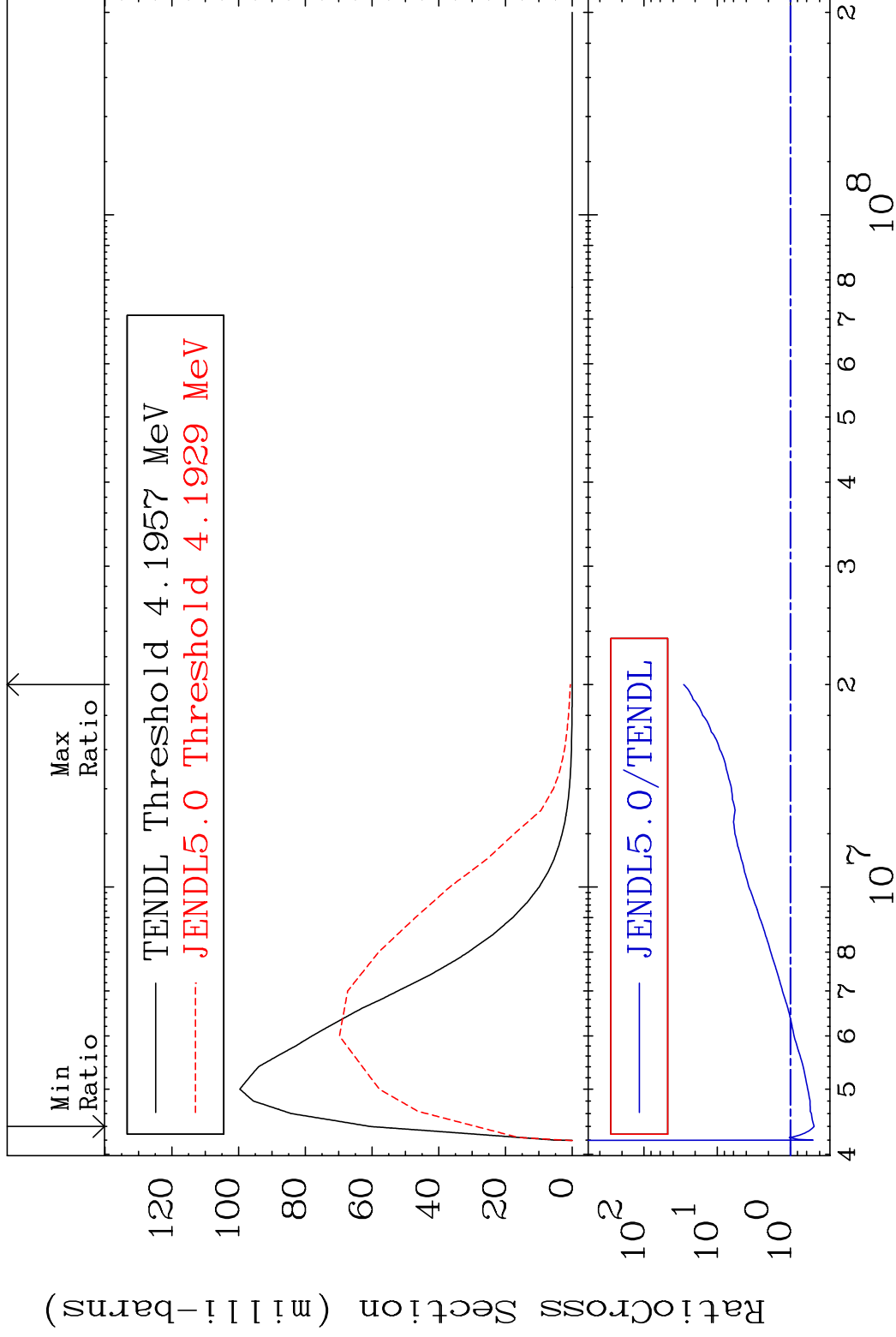


MAT 1631

MT= 54 (n,n') Level

16-S -34

Cross Section -52.45 To 2770. %

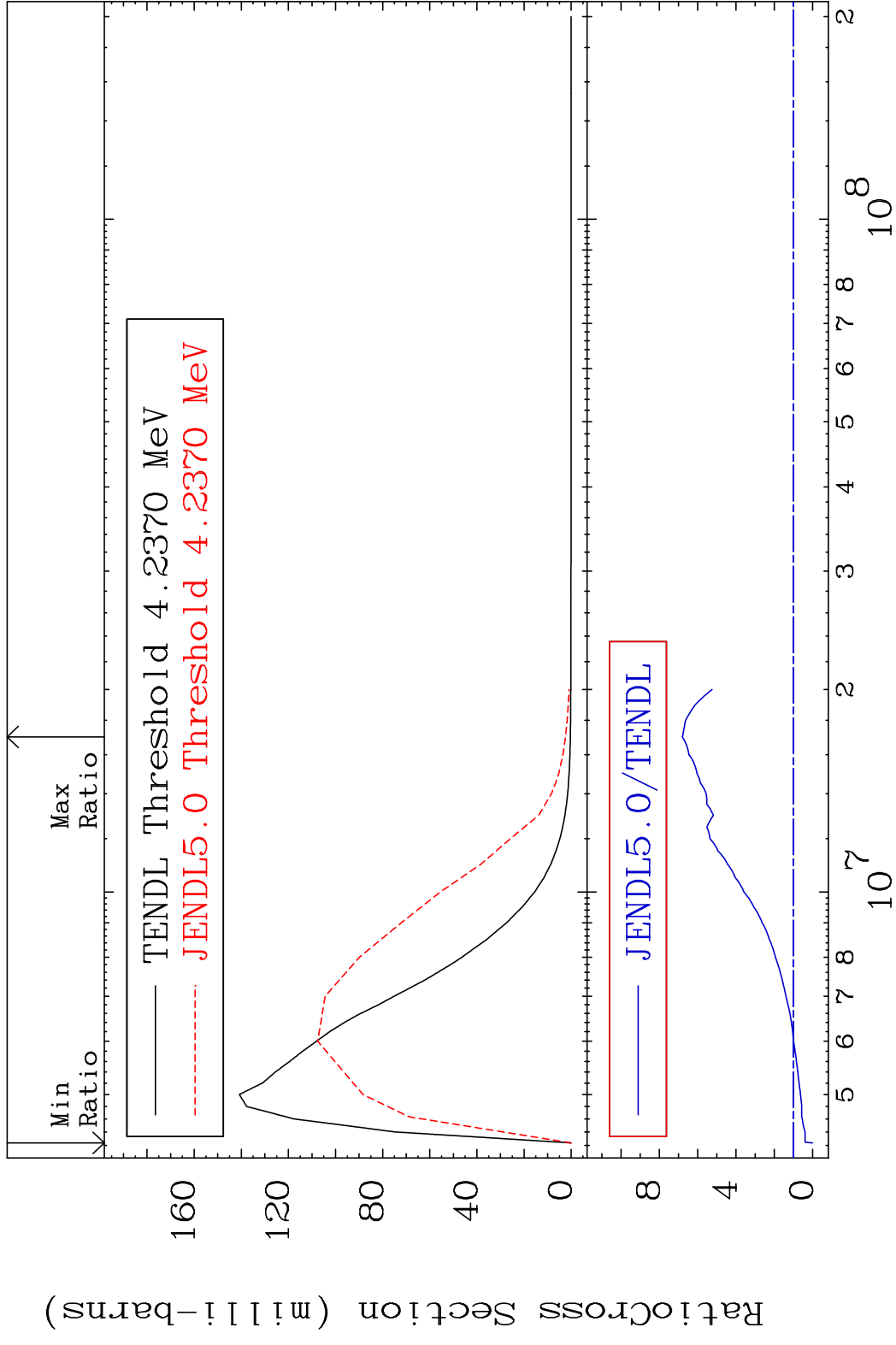


10

Incident Energy (eV)

16-S -34

MAT 1631 MT= 55 (n,n') Level 16-S -34  
 Cross Section -100.0 To 580.1 %

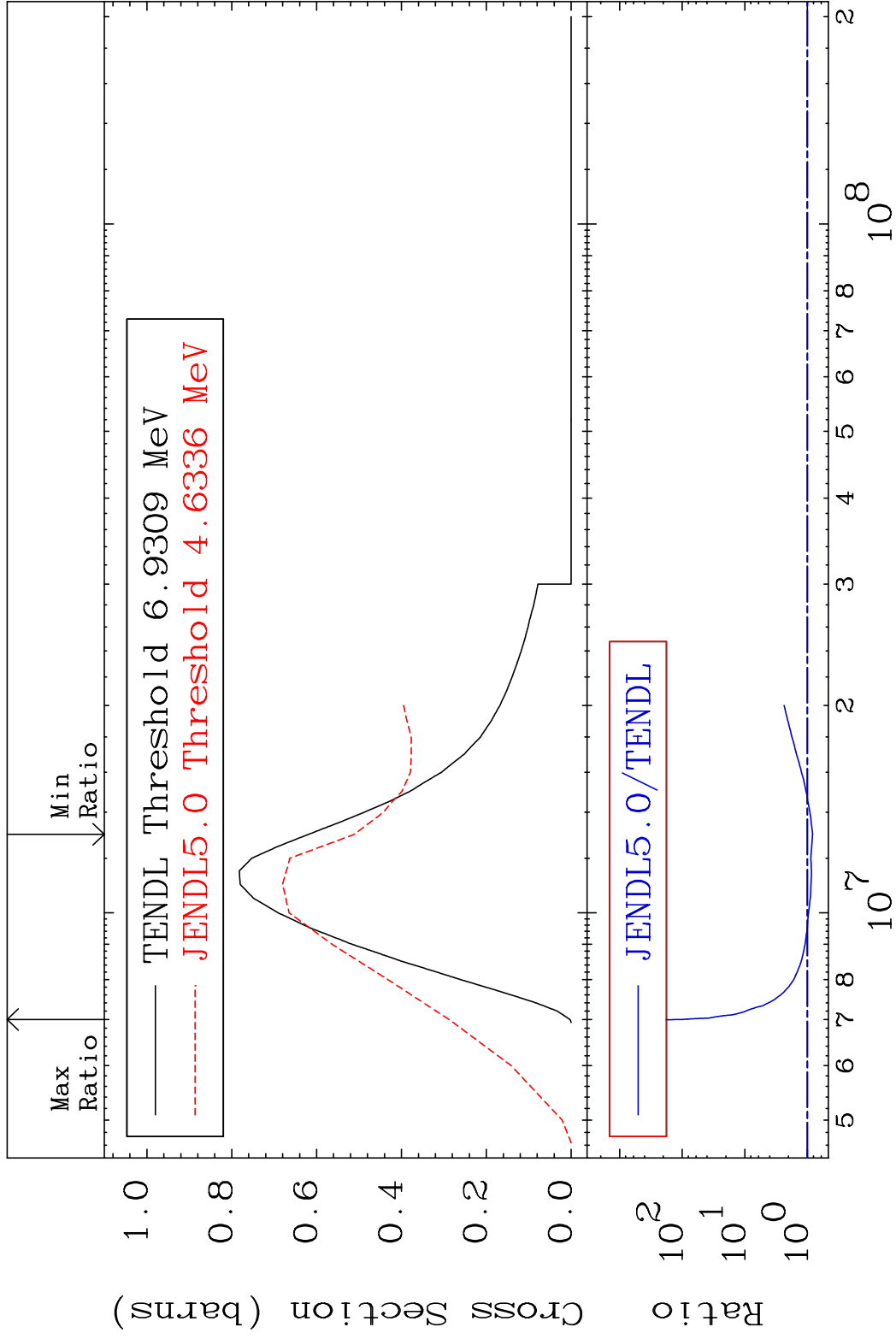


MAT 1631

(n,n') Continuum

16-S -34

Cross Section -17.39 To 9837. %



12

Incident Energy (eV)

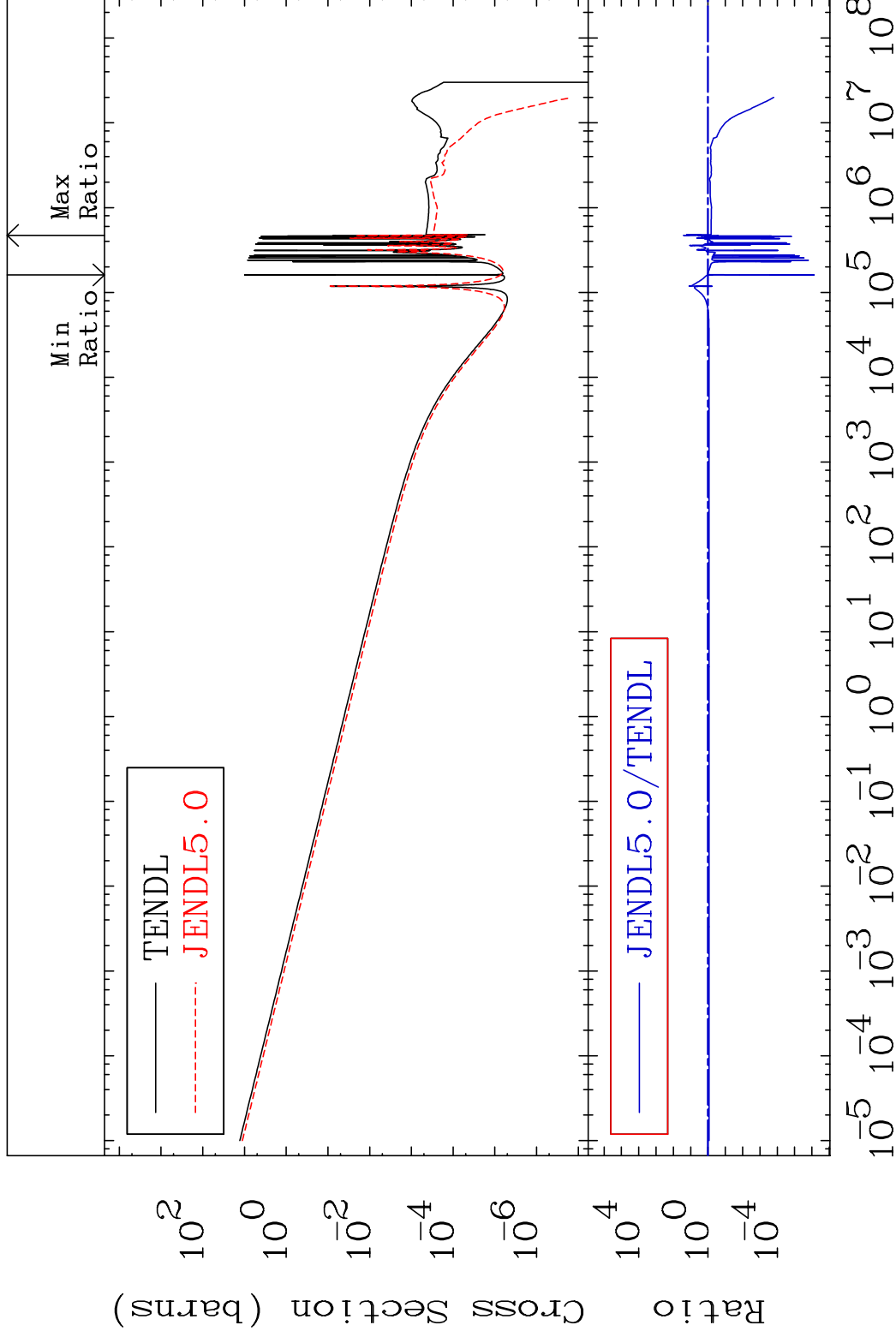
16-S -34

MAT 1631

(n,  $\gamma$ )

16-S -34

Cross Section -100.0 To 2445. %



13

Incident Energy (eV)

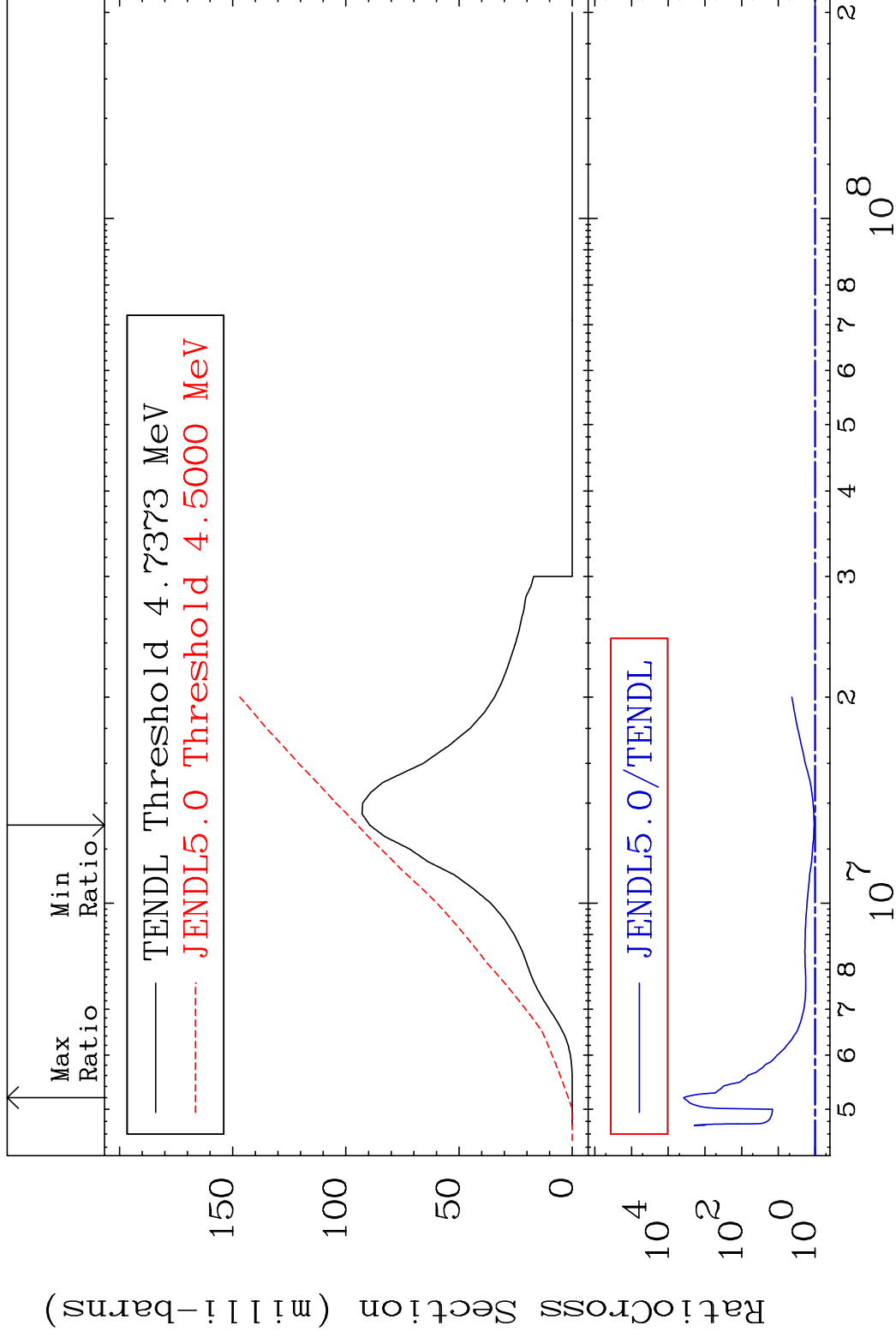
16-S -34

MAT 1631

(n,p)

16-S -34

Cross Section 5.985 To 9999. %



14

Incident Energy (eV)

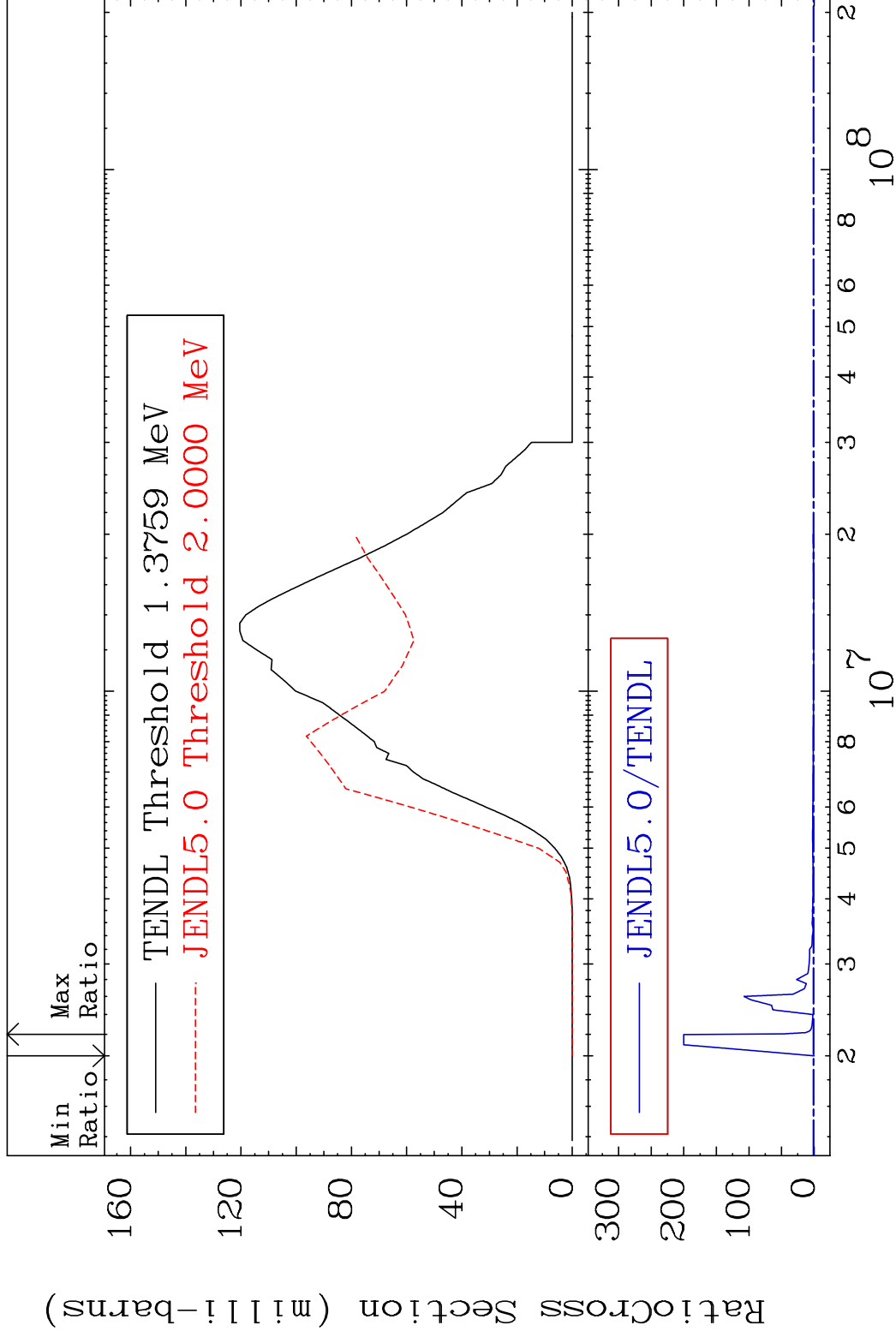
16-S -34

MAT 1631

(n,  $\alpha$ )

16-S -34

Cross Section -100.0 To 9999. %



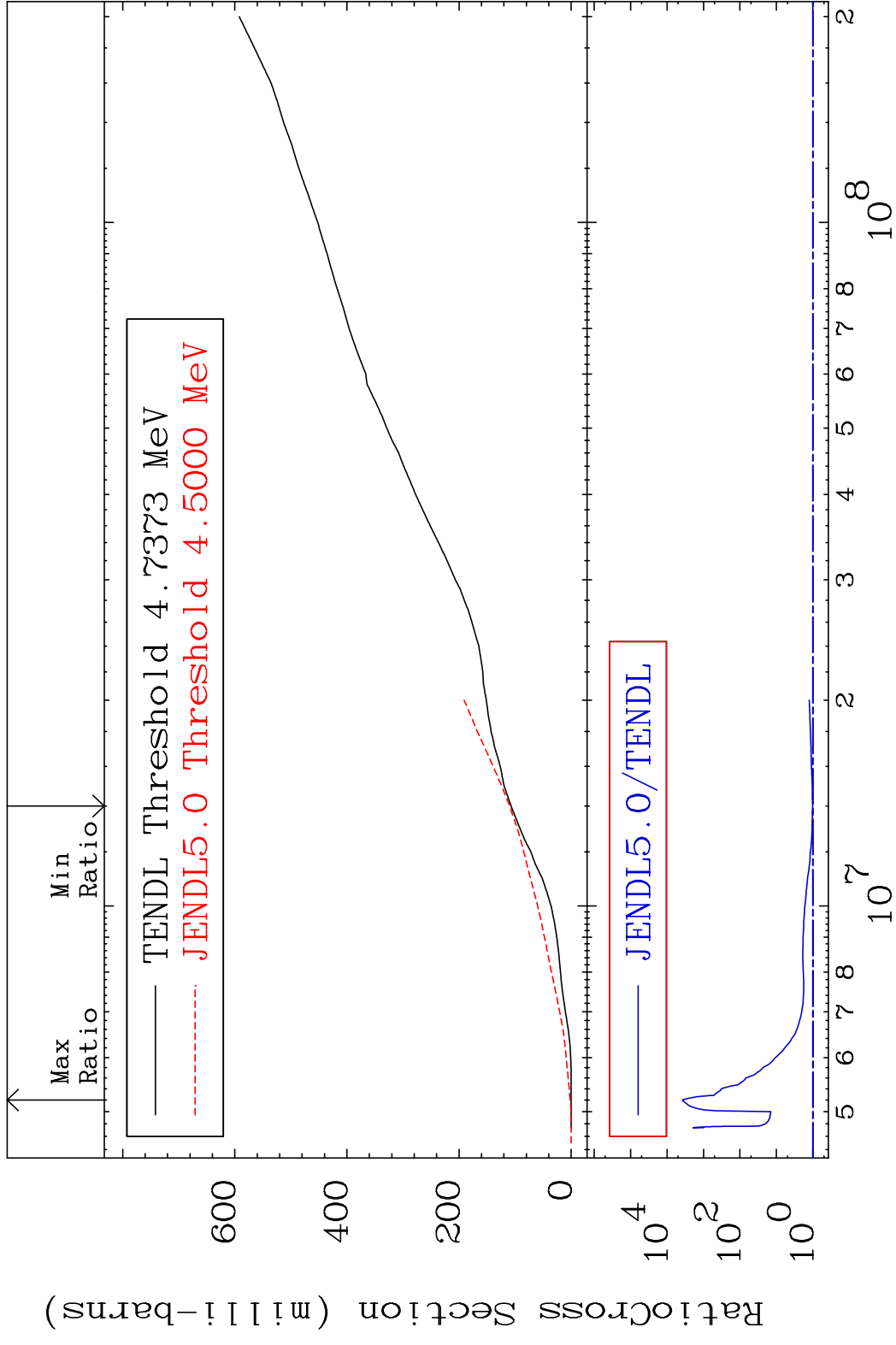
15

Incident Energy (eV)

16-S -34



MAT 1631 Hydrogen Production 16-S -34  
 Cross Section 2.323 To 9999. %

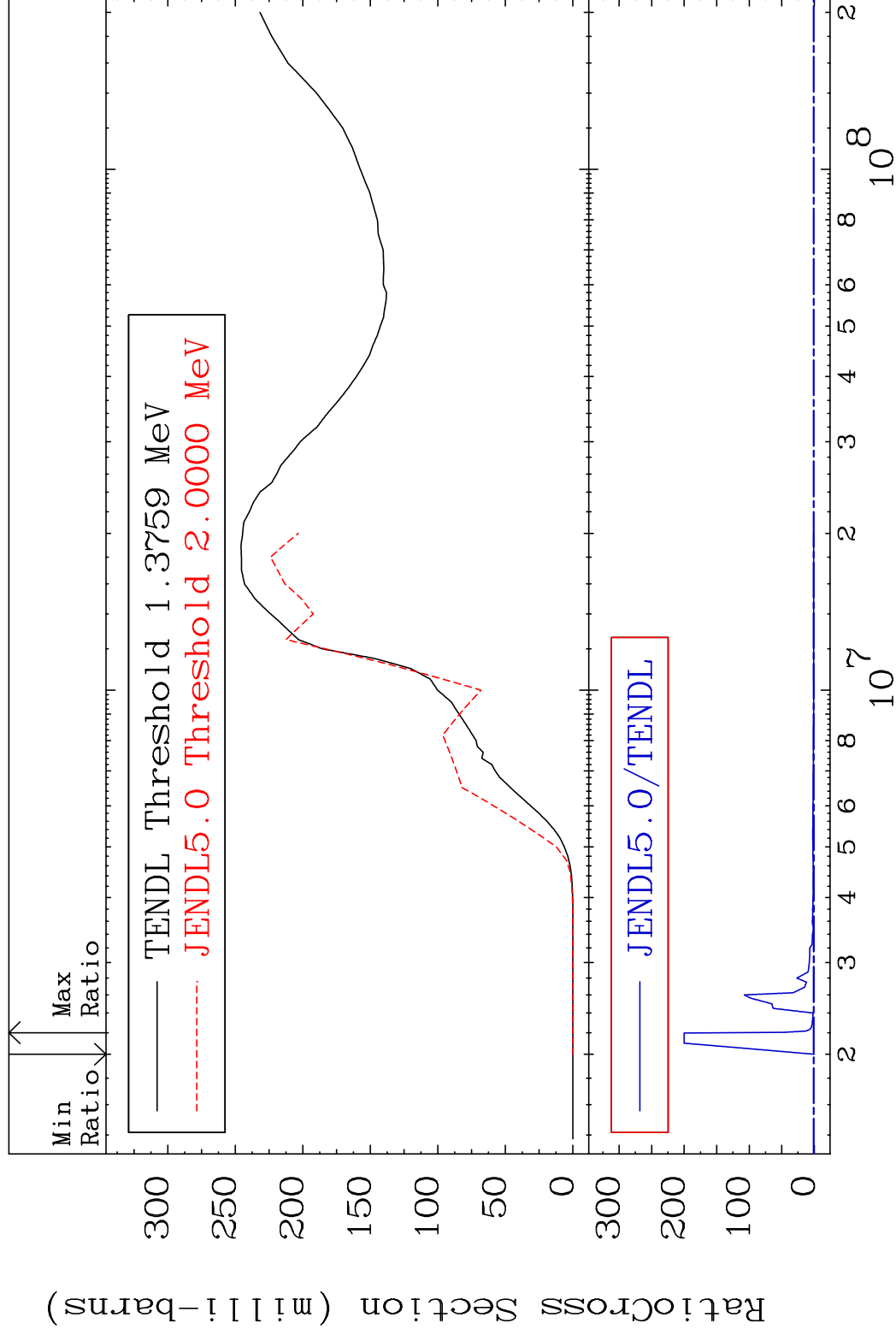


MAT 1631

He-4 Production

16-S -34

Cross Section -100.0 To 9999. %

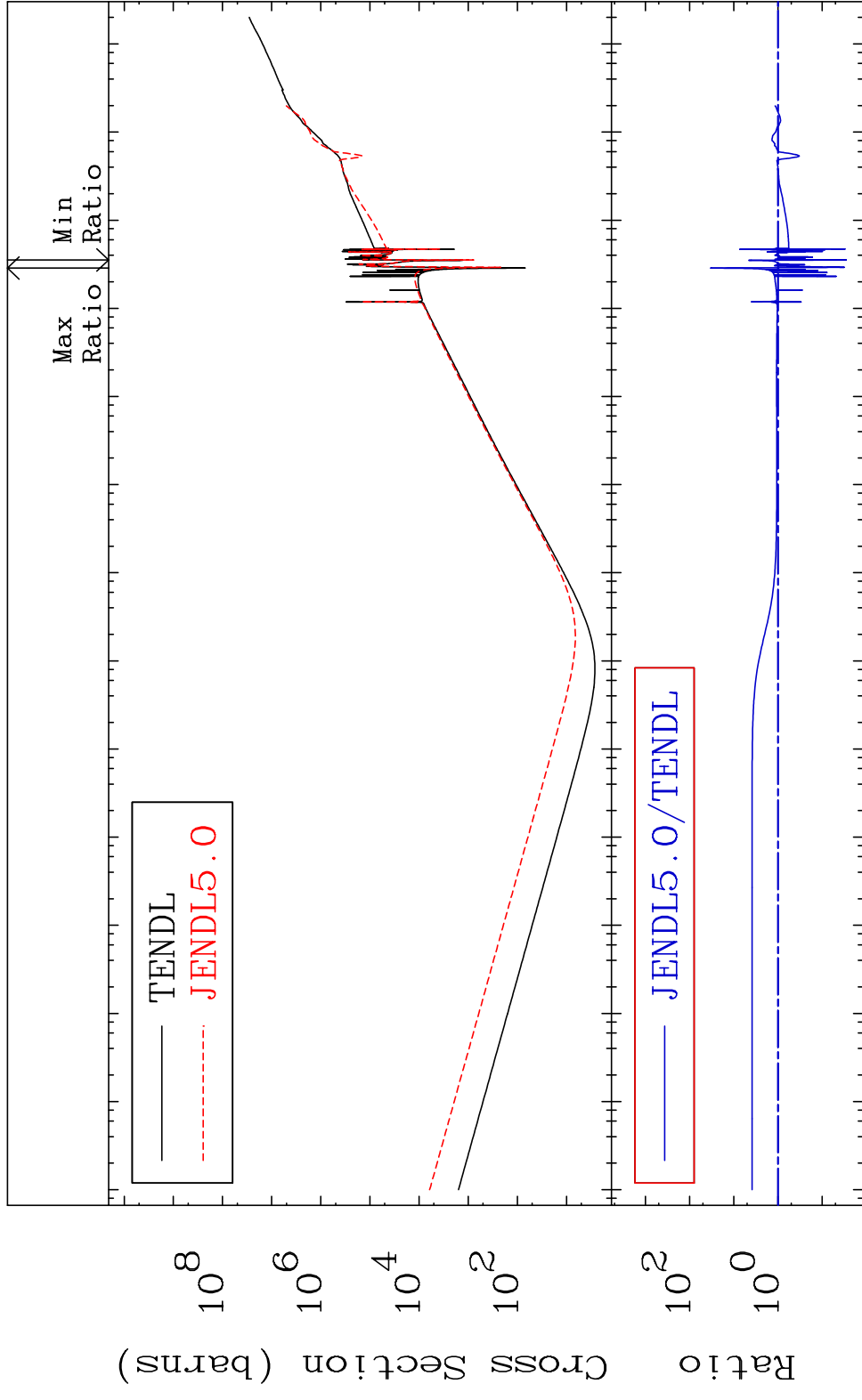


17

Incident Energy (eV)

16-S -34

MAT 1631 Kerma total (eV-barns) 16-S -34  
 Cross Section -97.17 To 3218. %

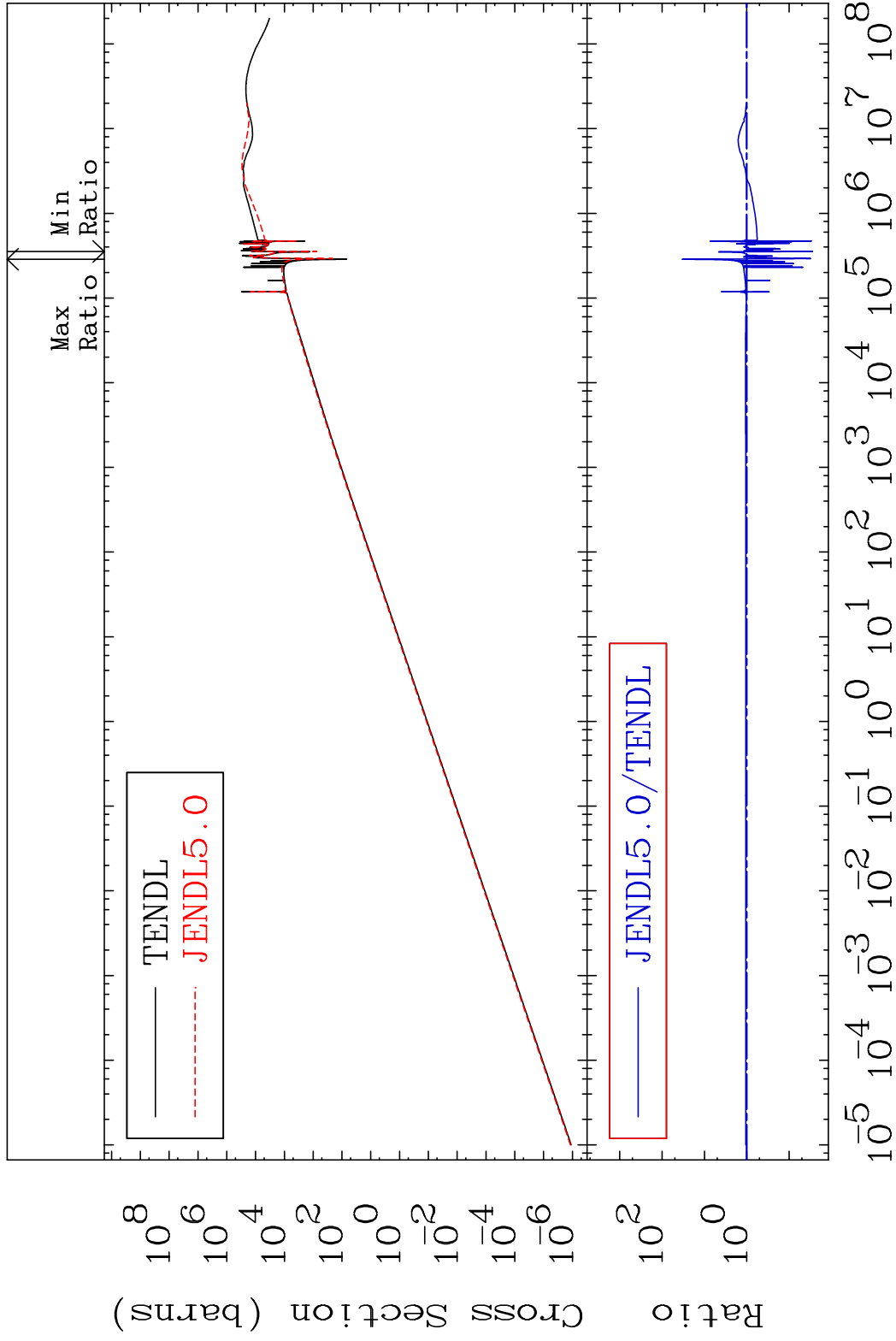


18 Incident Energy (eV) 16-S -34

MAT 1631

Kerma elastic  
Cross Section

16-S -34  
-97.20 To 3219. %

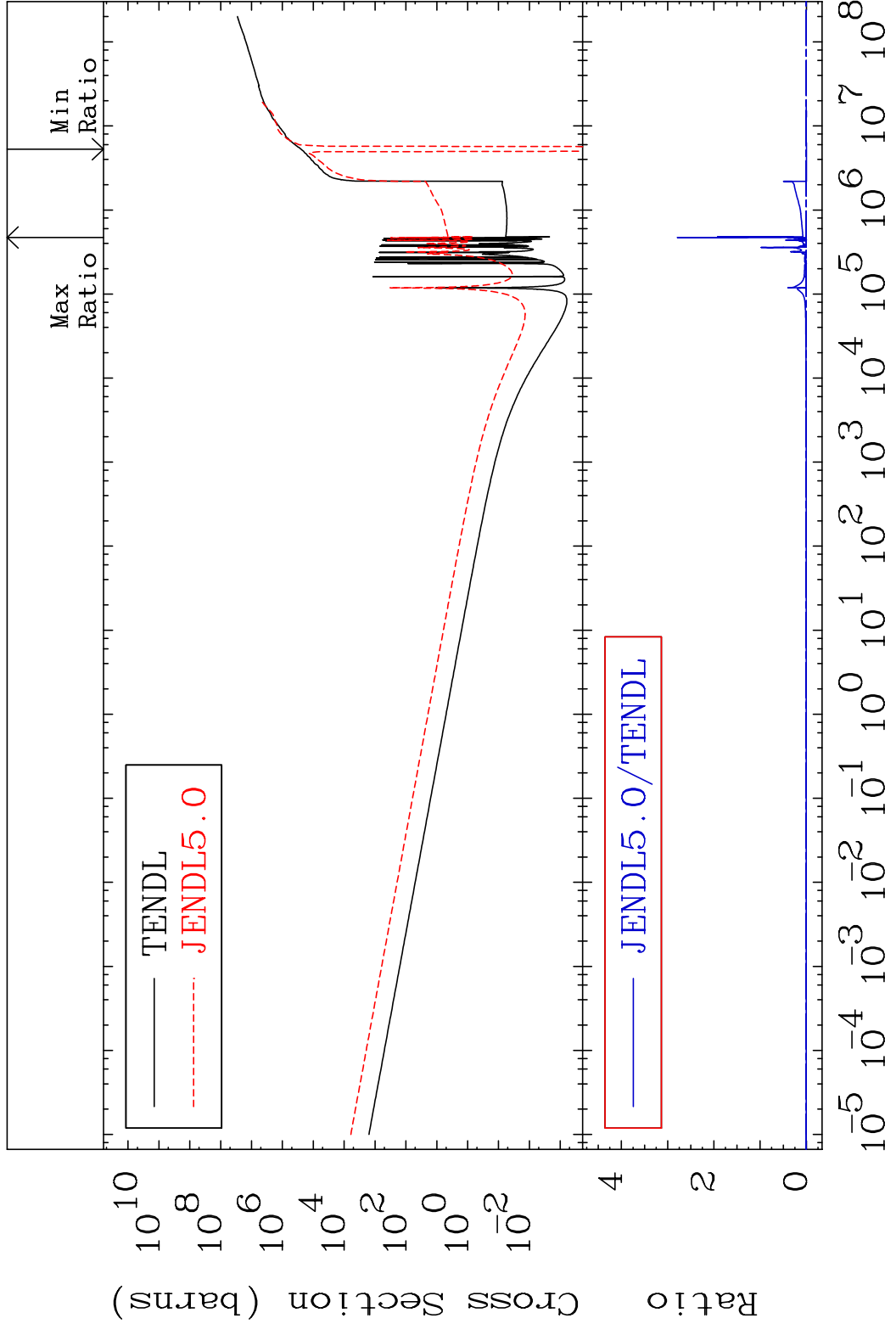


19

Incident Energy (eV)

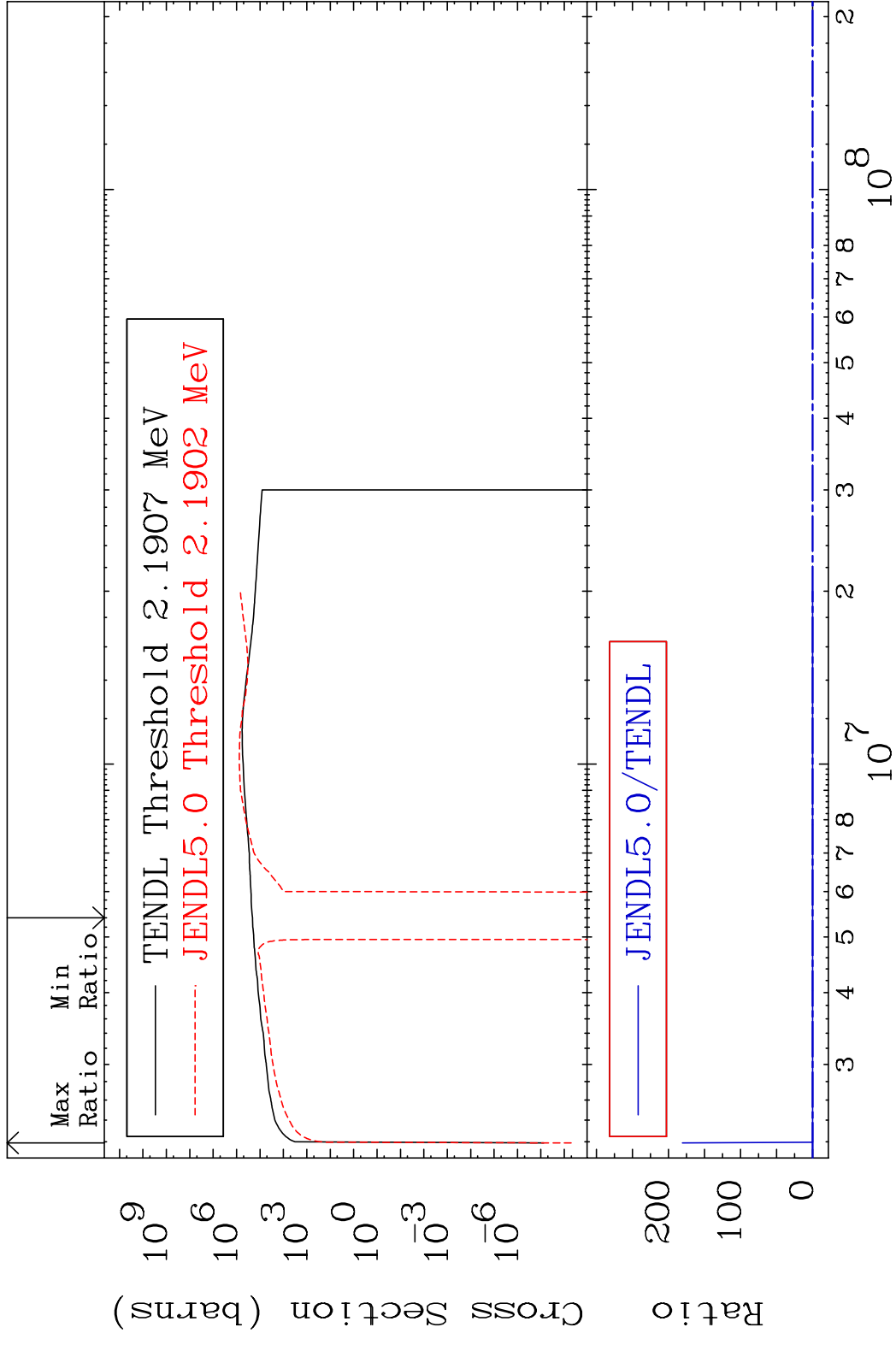
16-S -34

MAT 1631 Kerma non-elastic (all but mt2) 16-S -34  
 Cross Section -147.7 To 9999. %

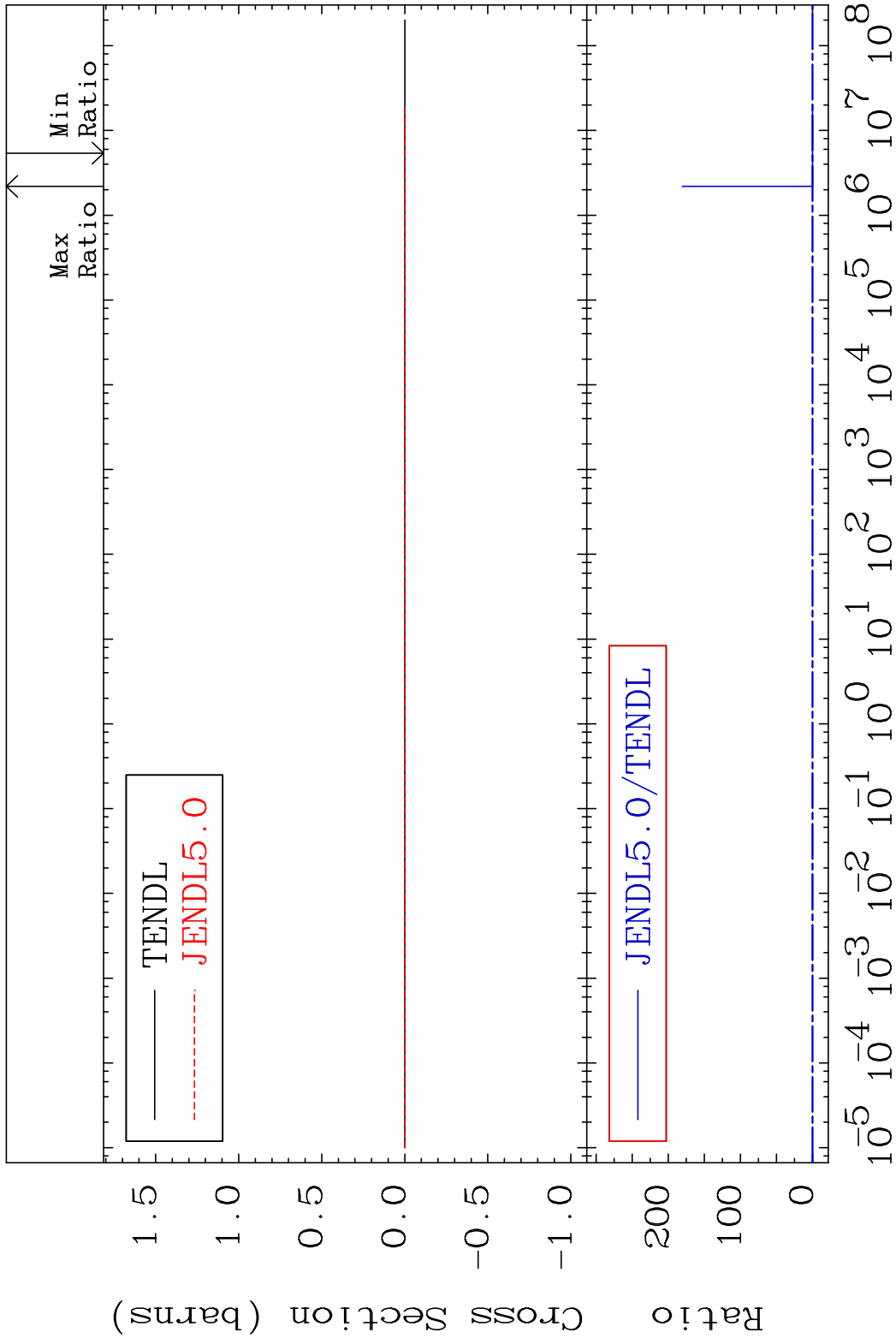


20 Incident Energy (eV) 16-S -34

MAT 1631 Kerma inelastic (mt51-91) 16-S -34  
 Cross Section -215.9 To 9999. %

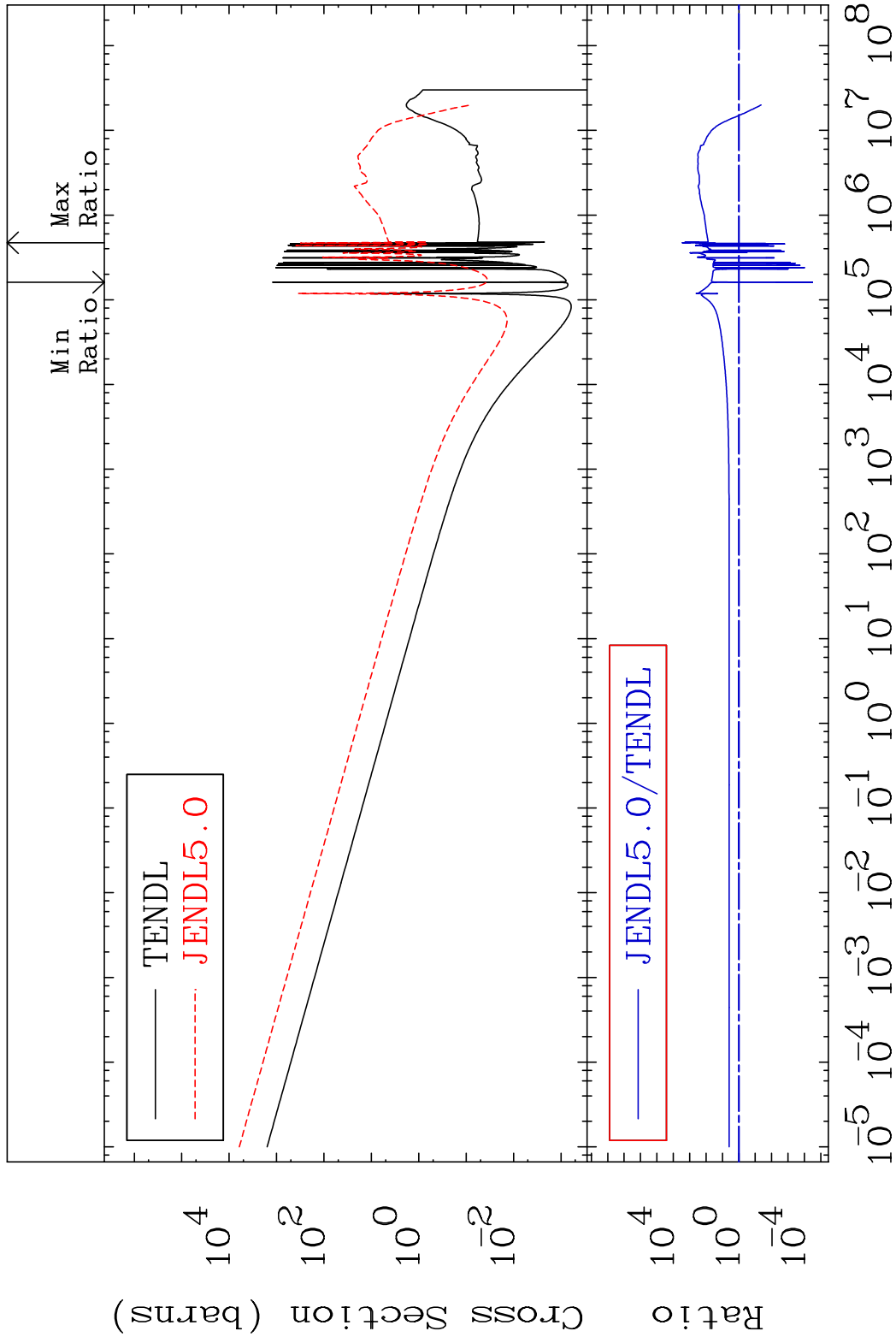


MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34  
 Cross Section -215.9 To 9999. %



MAT 1631

Kerma capture (mt102) 16-S -34  
Cross Section -100.0 To 9999. %

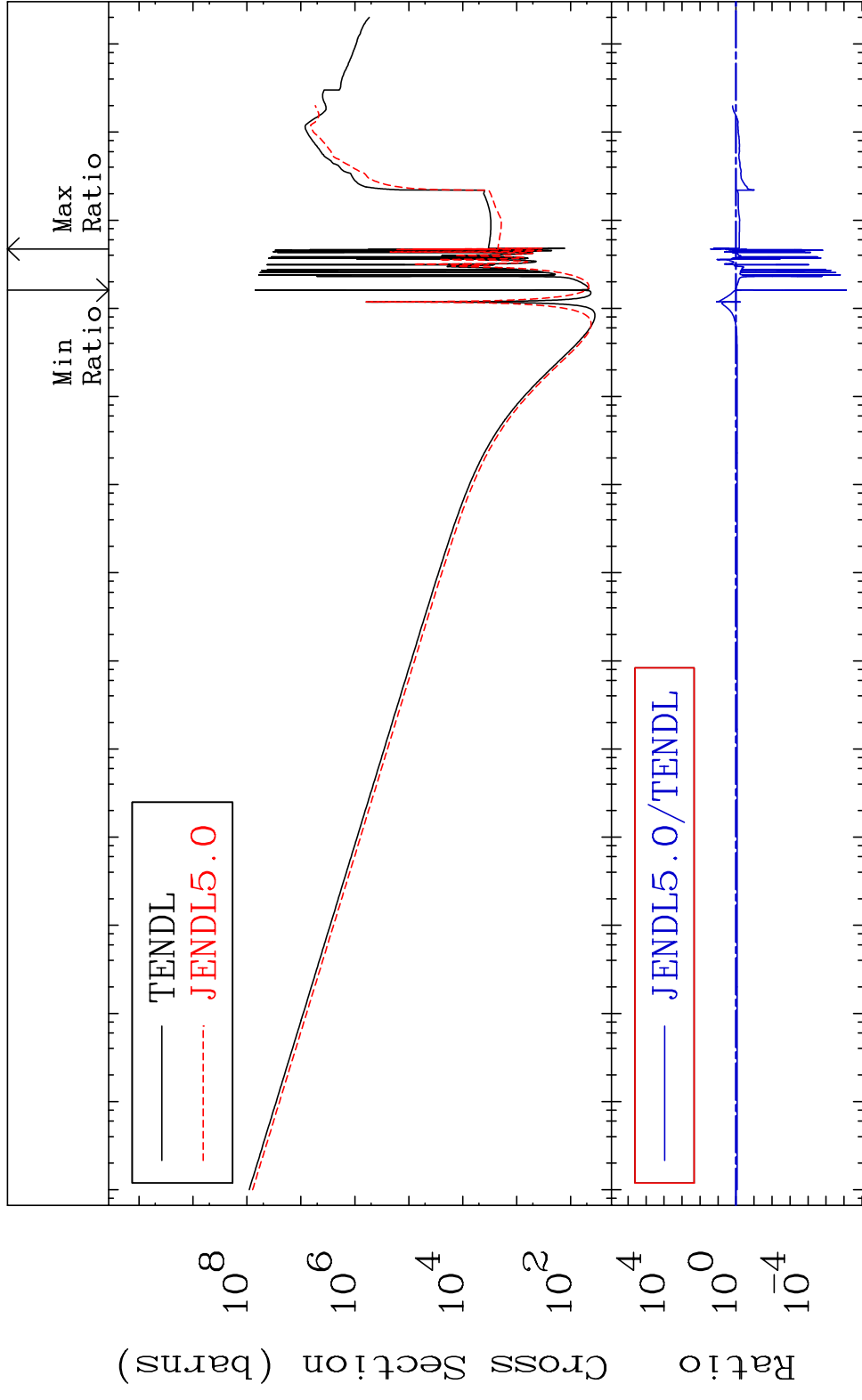


23

Incident Energy (eV) 16-S -34

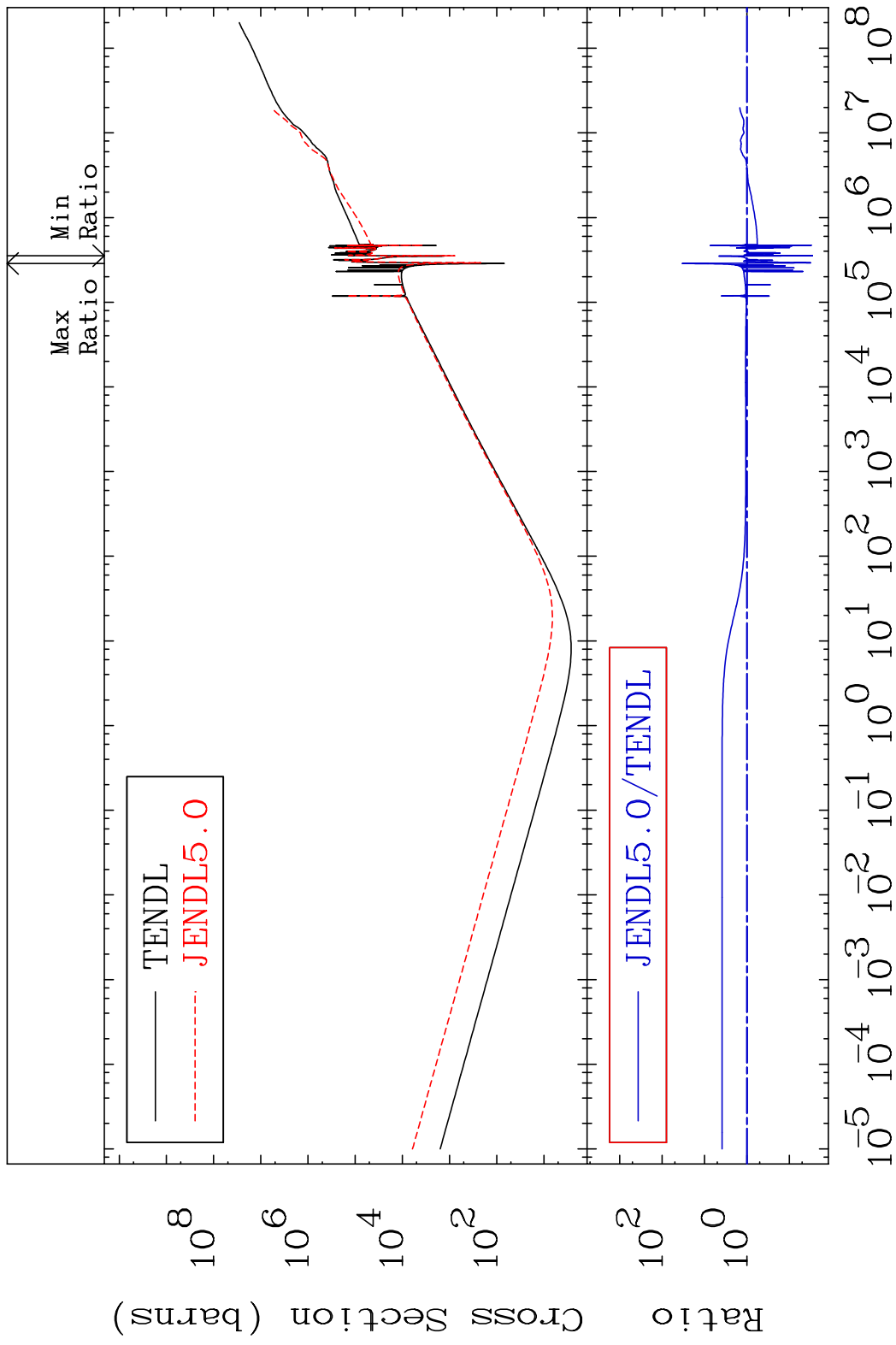


MAT 1631 Total photon (eV-barns) 16-S -34  
 Cross Section -100.0 To 2450. %

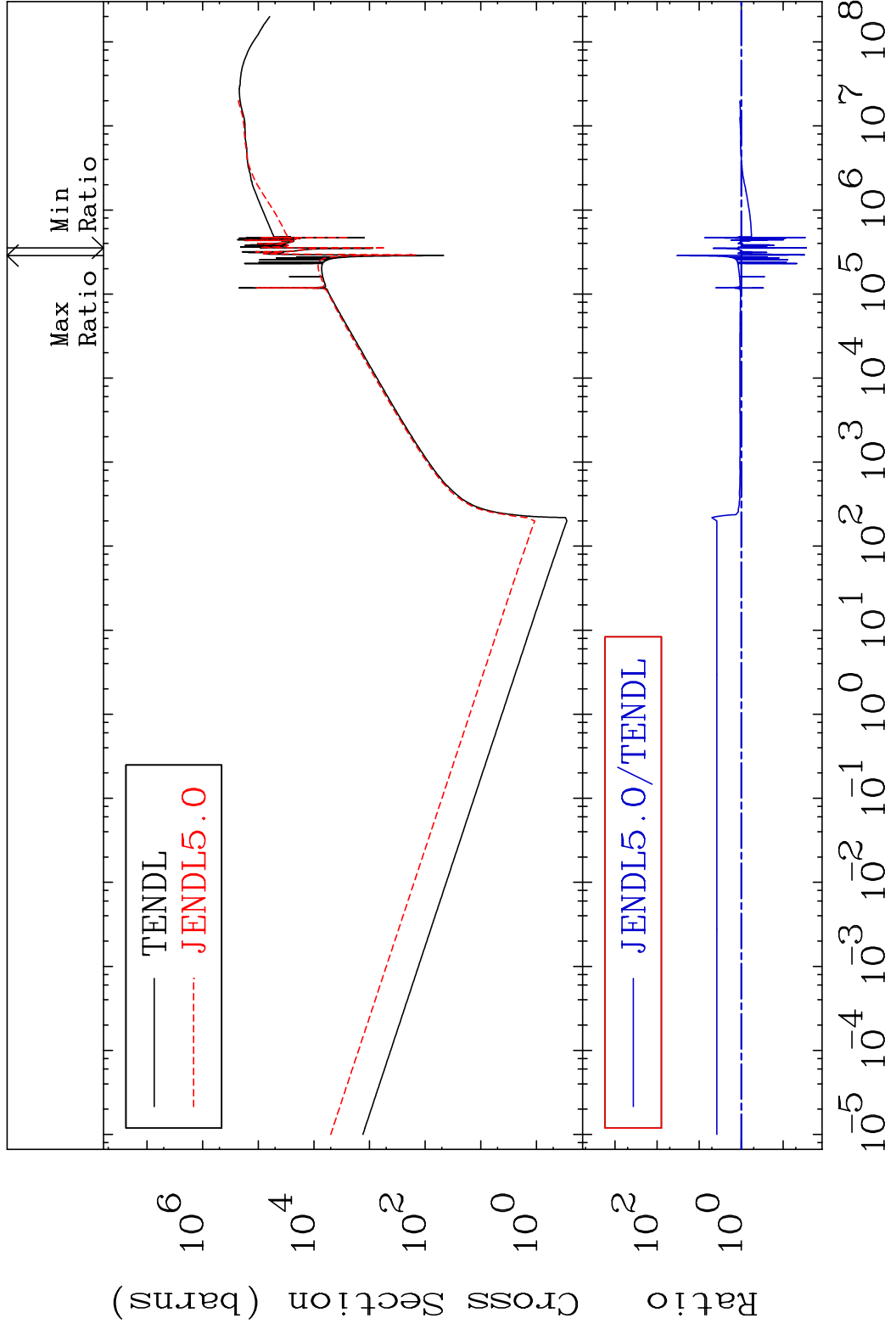


24 Incident Energy (eV) 16-S -34

MAT 1631 Total kinematic kerma (high limit) 16-S -34  
 Cross Section -97.17 To 3218. %



MAT 1631 Dpa total (eV-barns) 16-S -34  
 Cross Section -97.19 To 3224. %



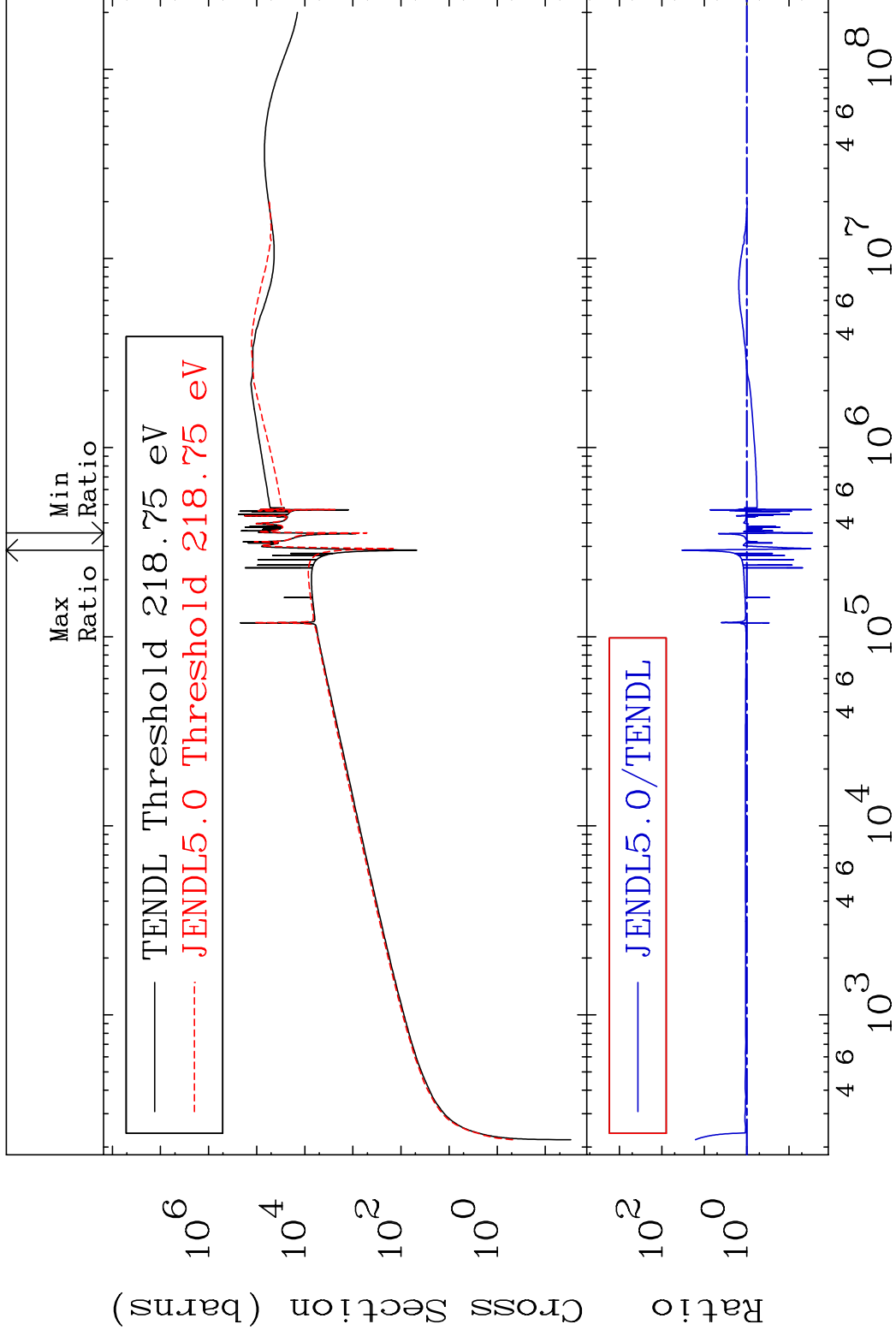
26 Incident Energy (eV) 16-S -34

MAT 1631

Dpa elastic (mt2)

16-S -34

Cross Section -97.19 To 3226. %

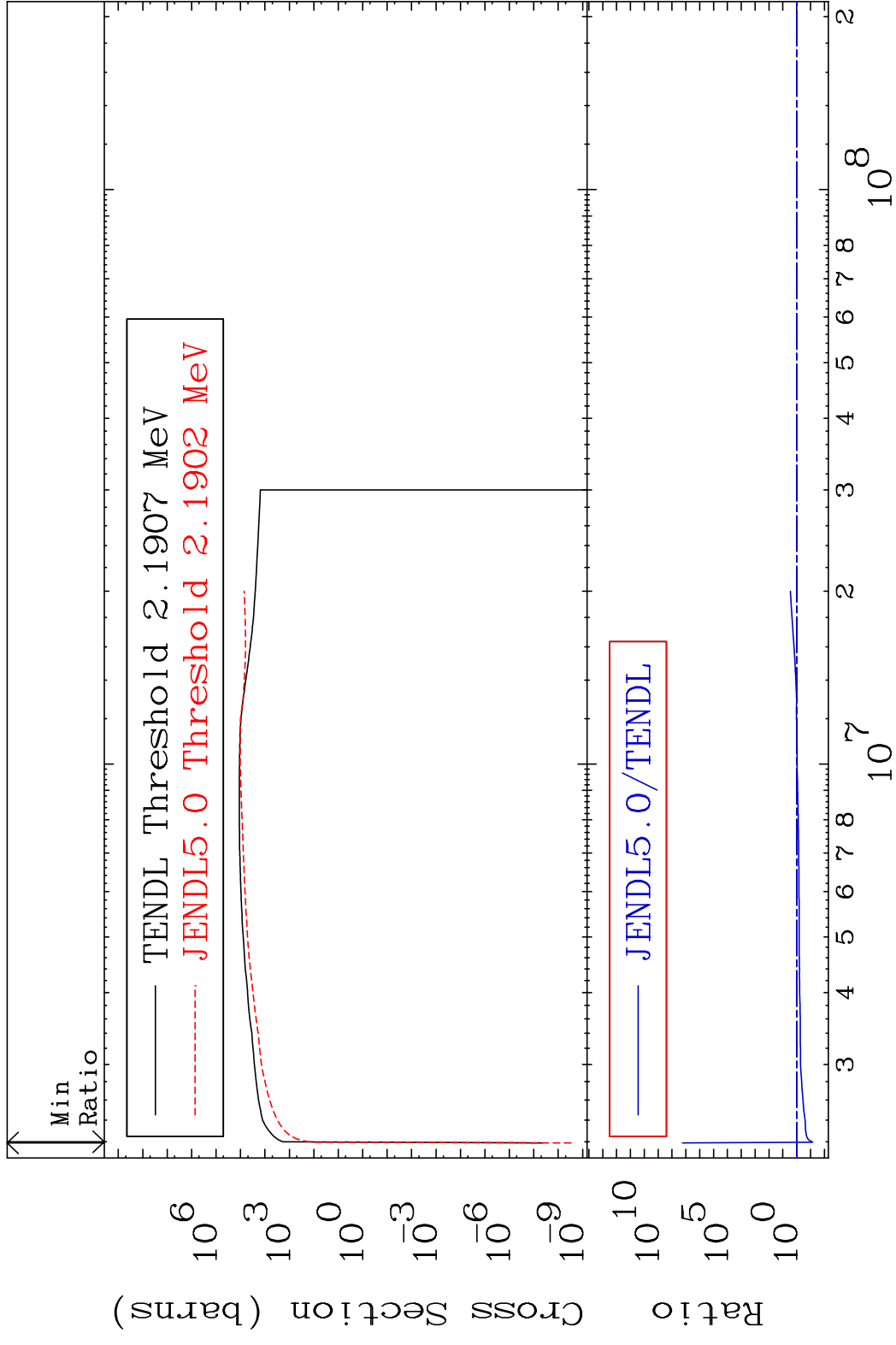


27

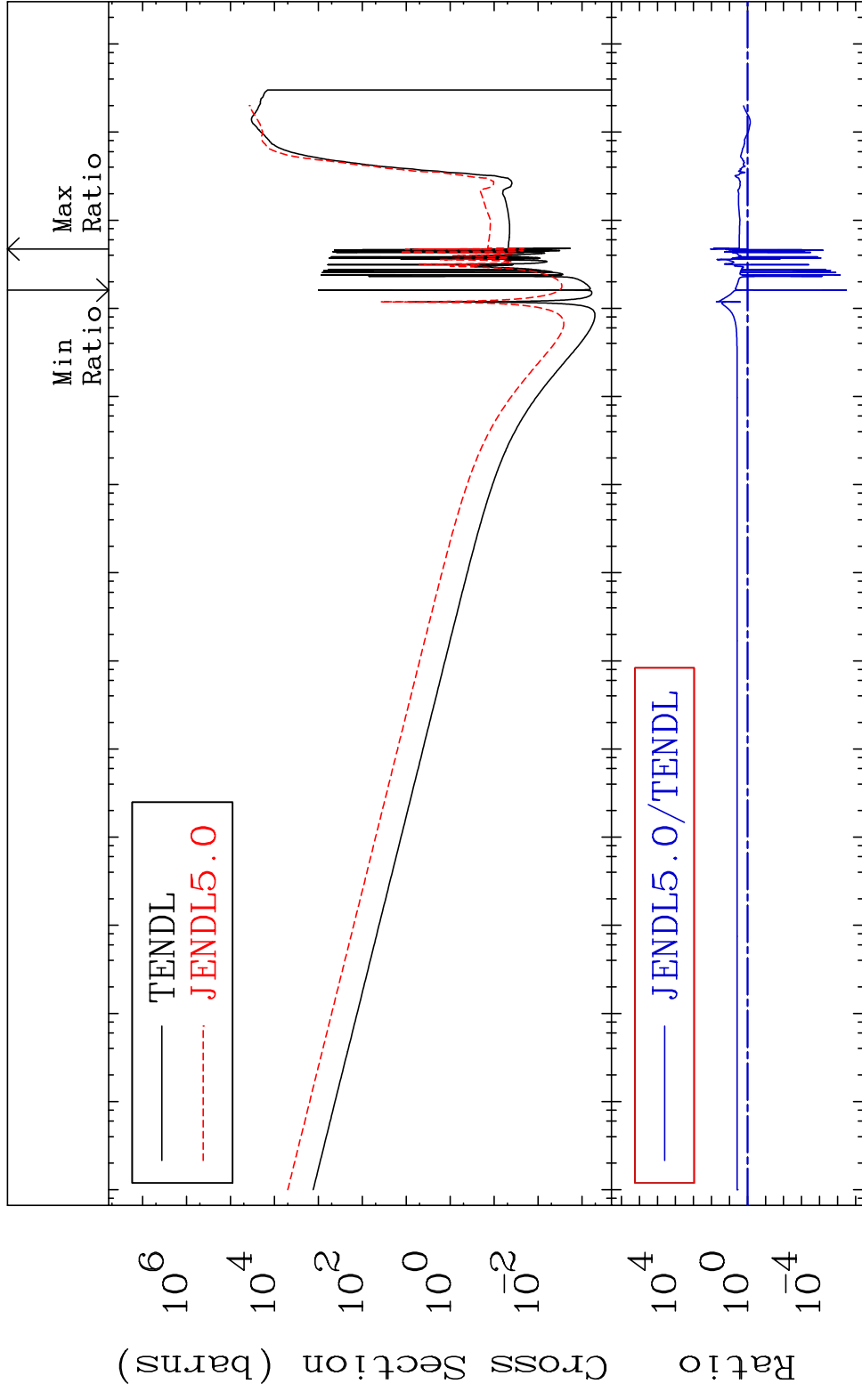
Incident Energy (eV)

16-S -34

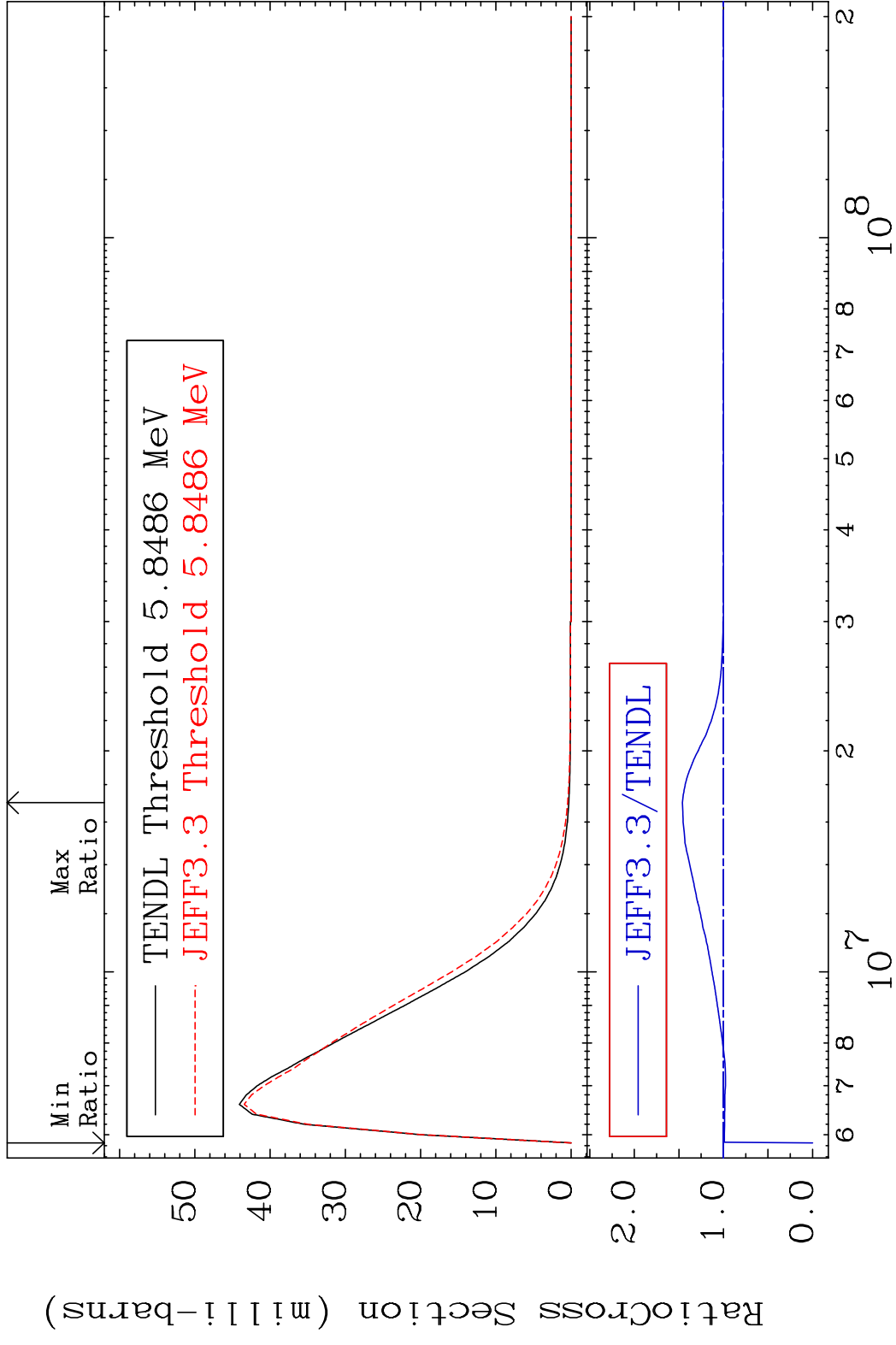
MAT 1631      Dpa inelastic (mt51-91)      16-S -34  
 Cross Section      -92.87 To 9999. %



MAT 1631 Dpa disappearance (mt102 -120) 16-S -34  
 Cross Section -100.0 To 9999. %

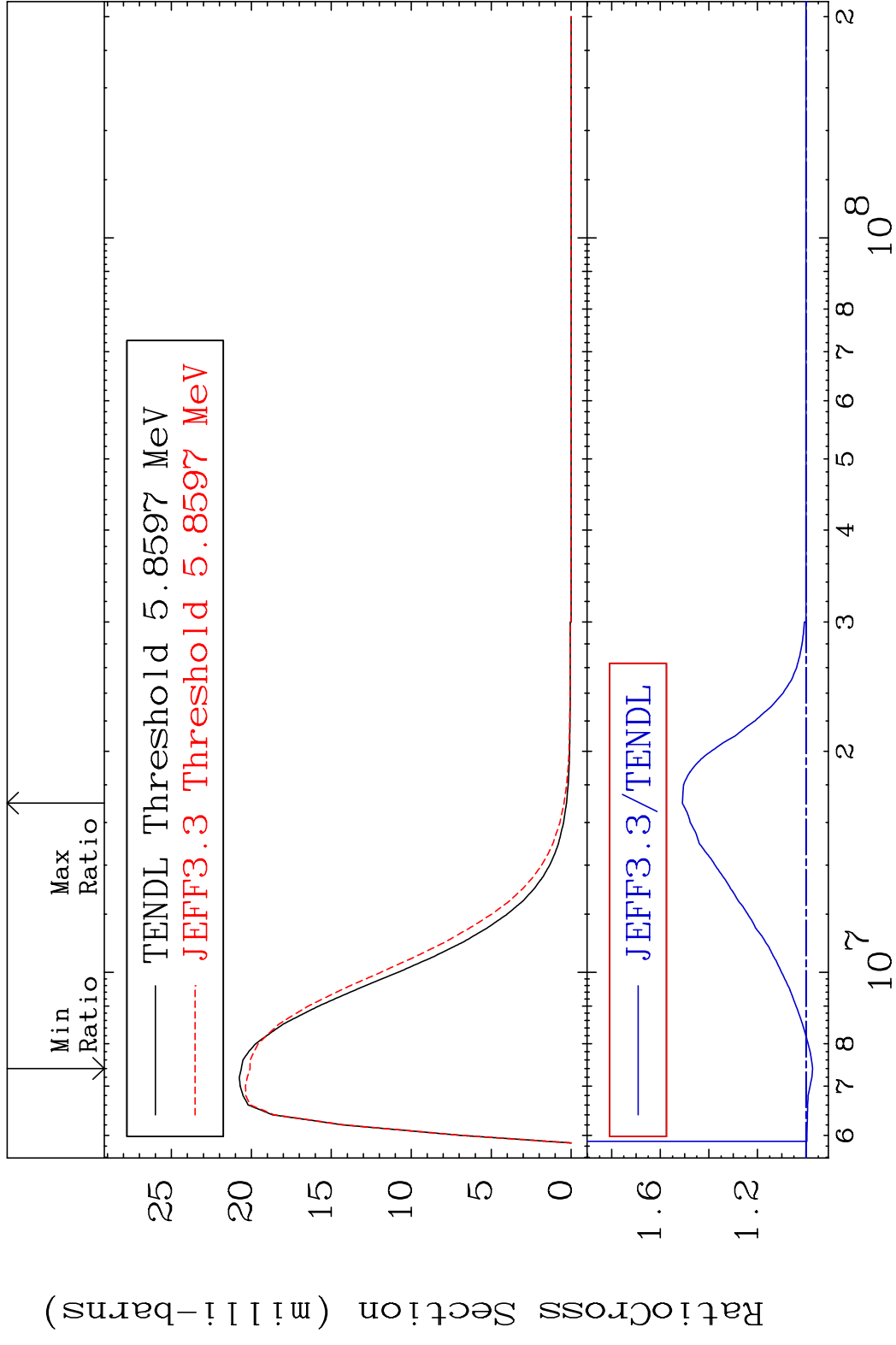


MAT 1631 MT= 64 (n,n') Level 16-S -34  
 Cross Section -100.0 To 46.10 %



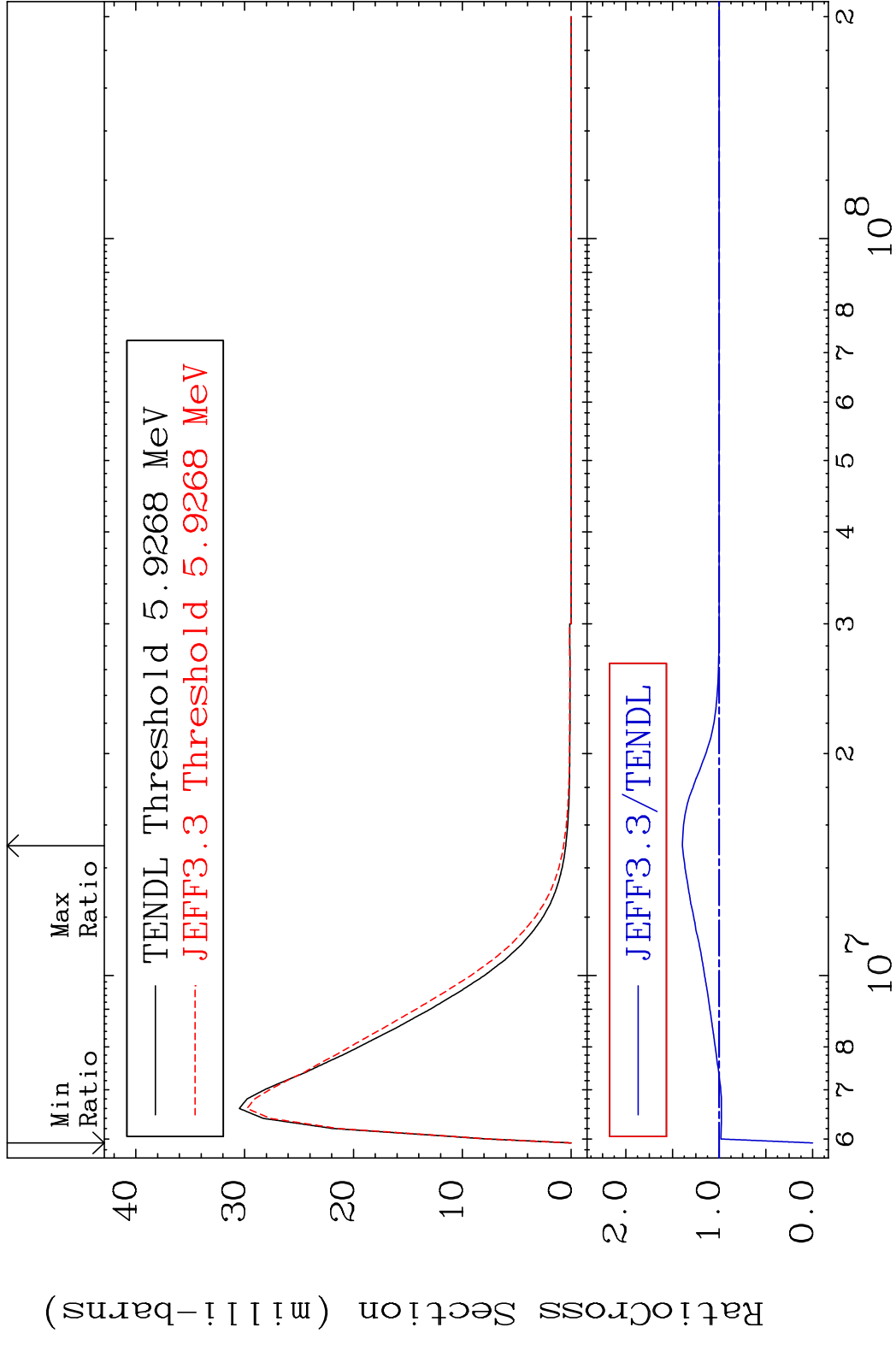
30 Incident Energy (eV) 16-S -34

MAT 1631 MT= 65 (n,n') Level 16-S -34  
 Cross Section -2.656 To 50.94 %

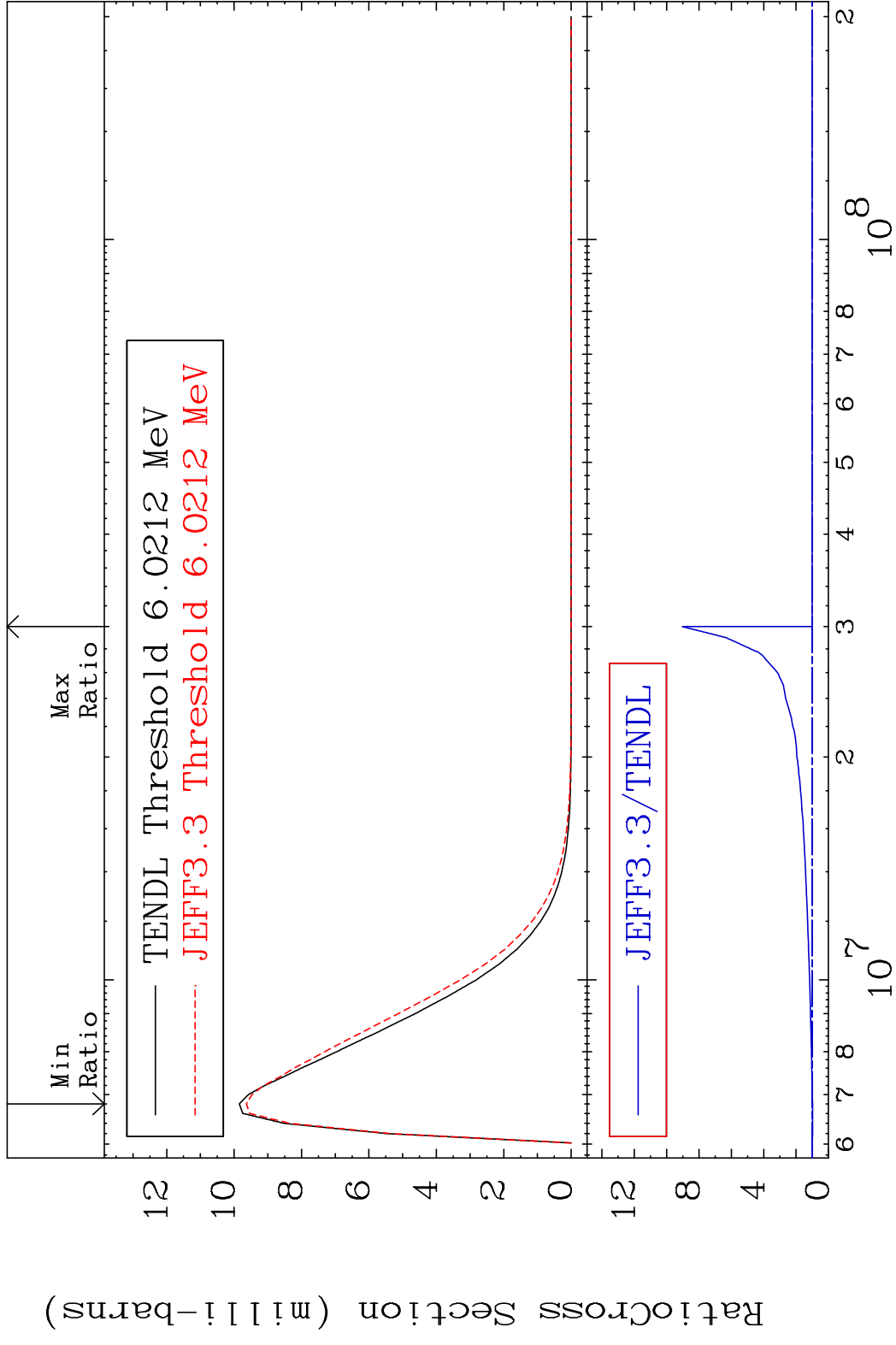




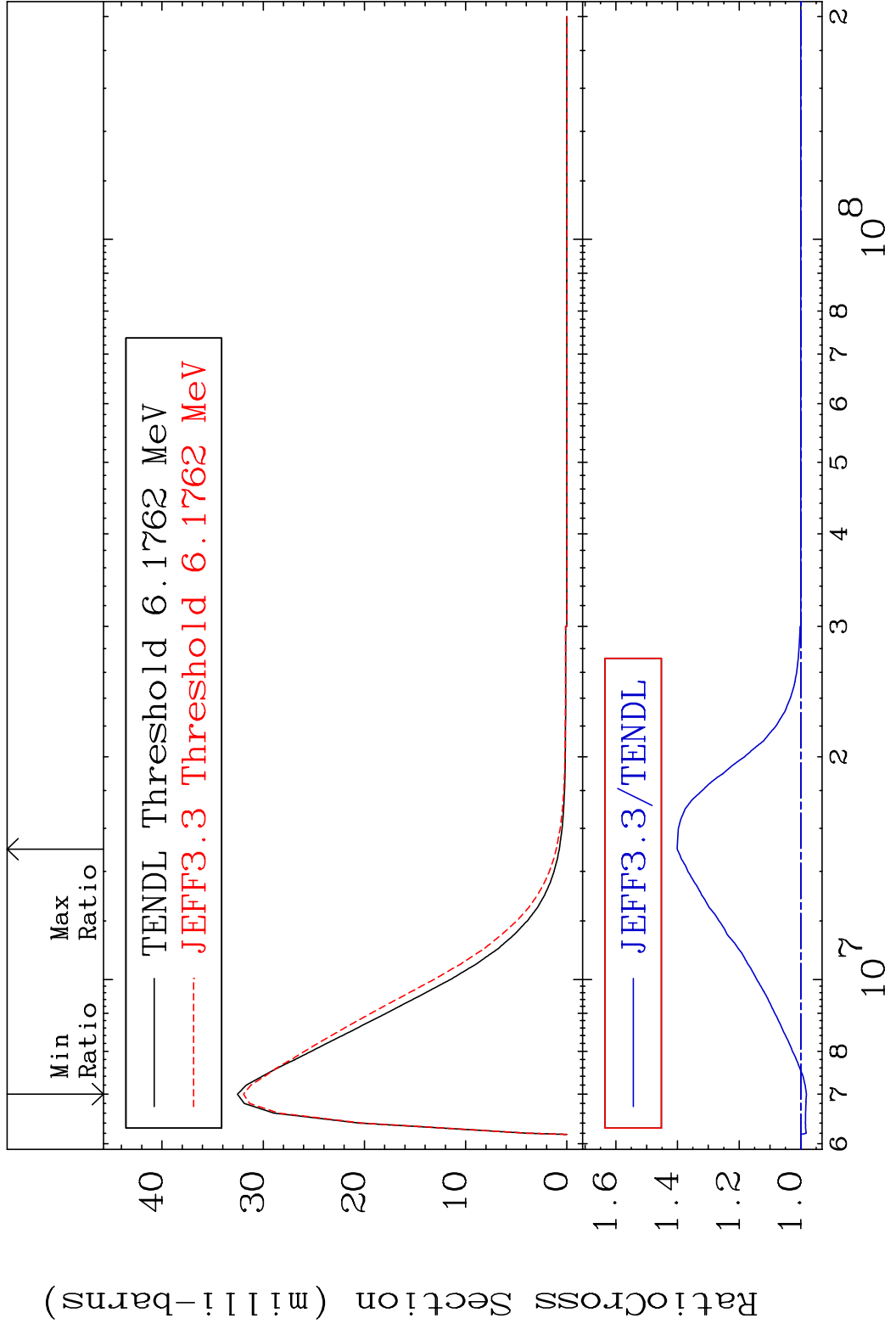
MAT 1631 MT= 66 (n,n') Level 16-S -34  
 Cross Section -100.0 To 39.49 %



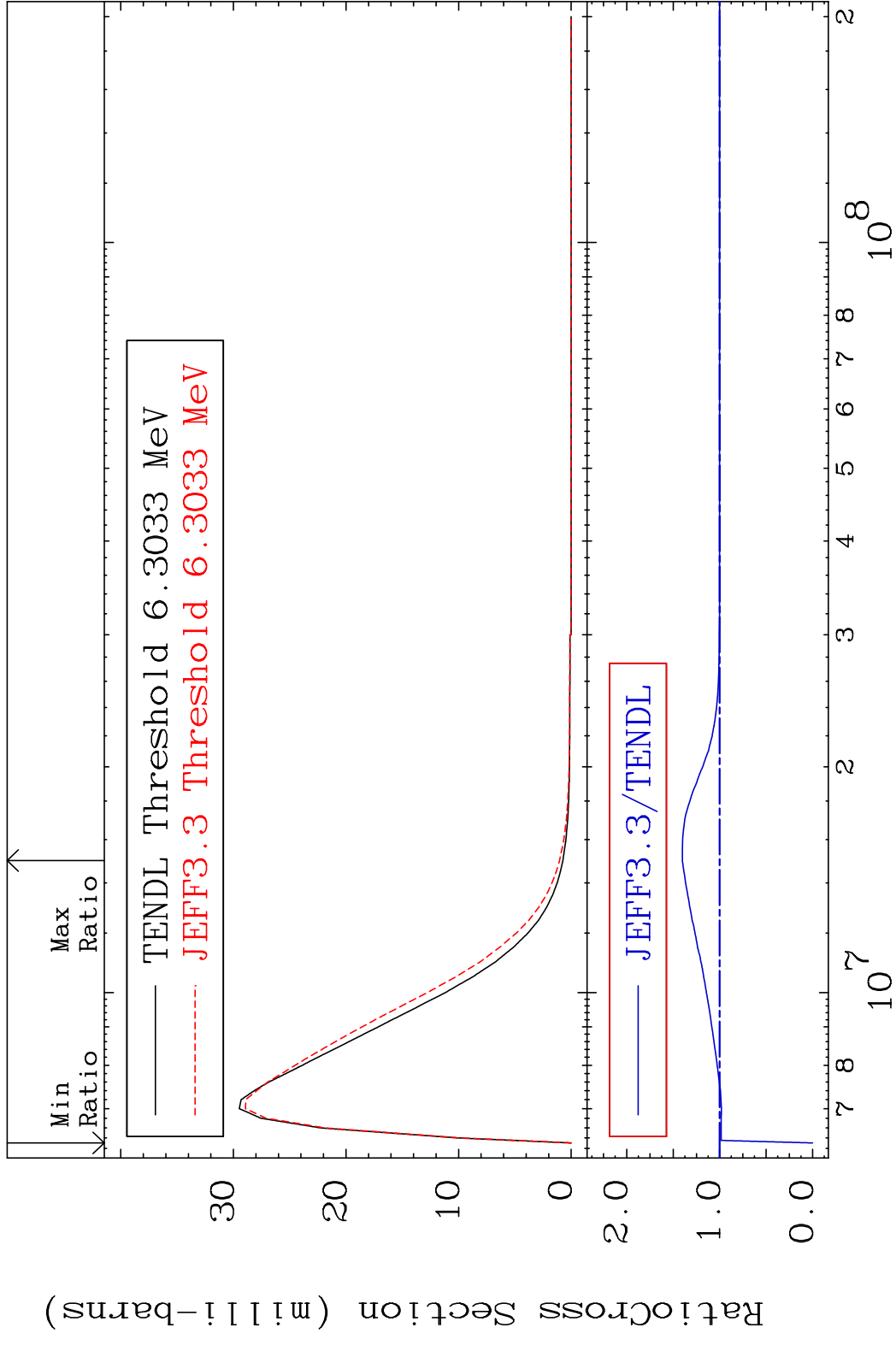
MAT 1631 MT= 67 (n, n') Level 16-S -34  
 Cross Section -2.143 To 803.0 %



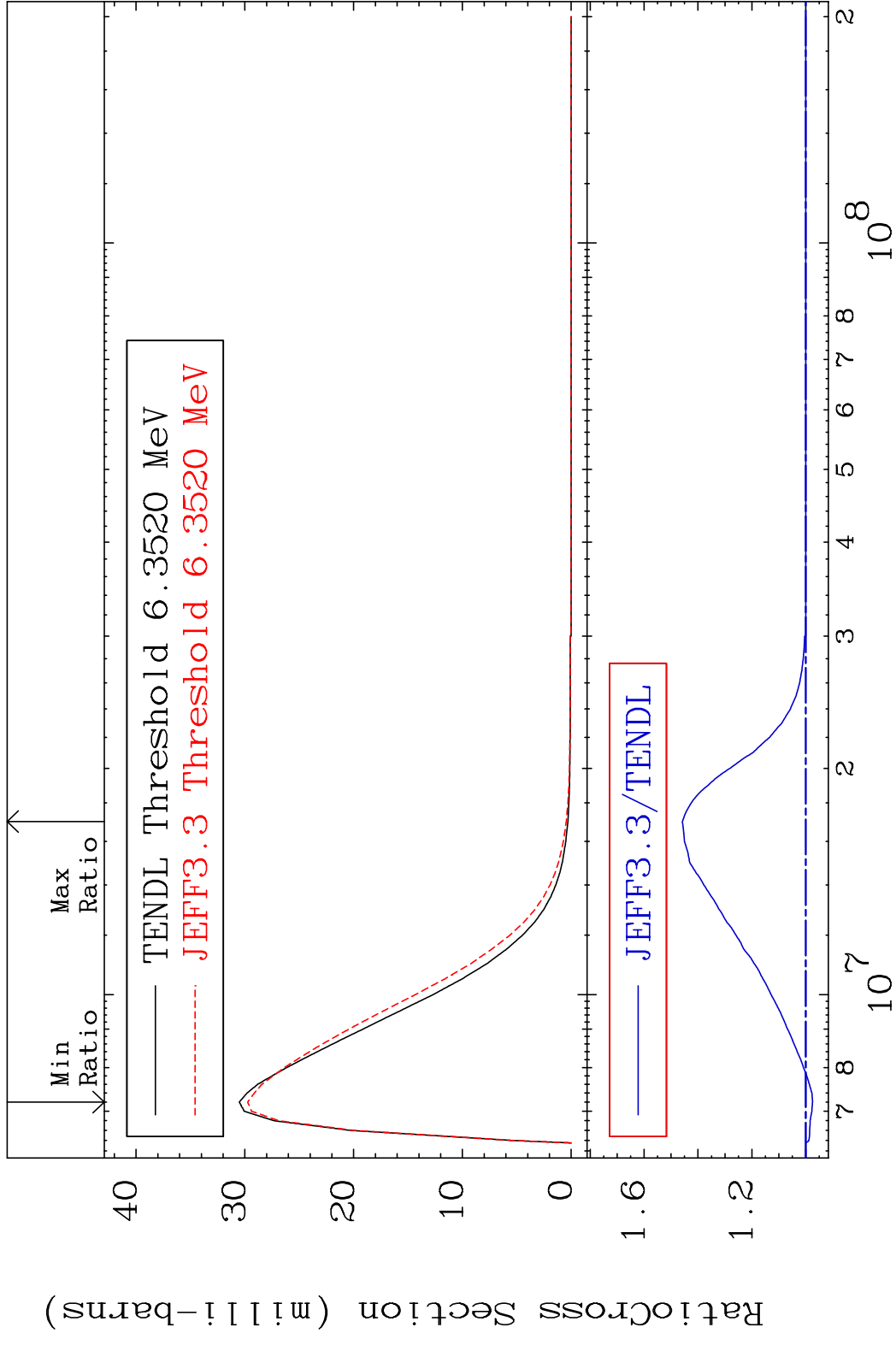
MAT 1631 MT= 68 (n, n') Level 16-S -34  
 Cross Section -1.836 To 40.11 %



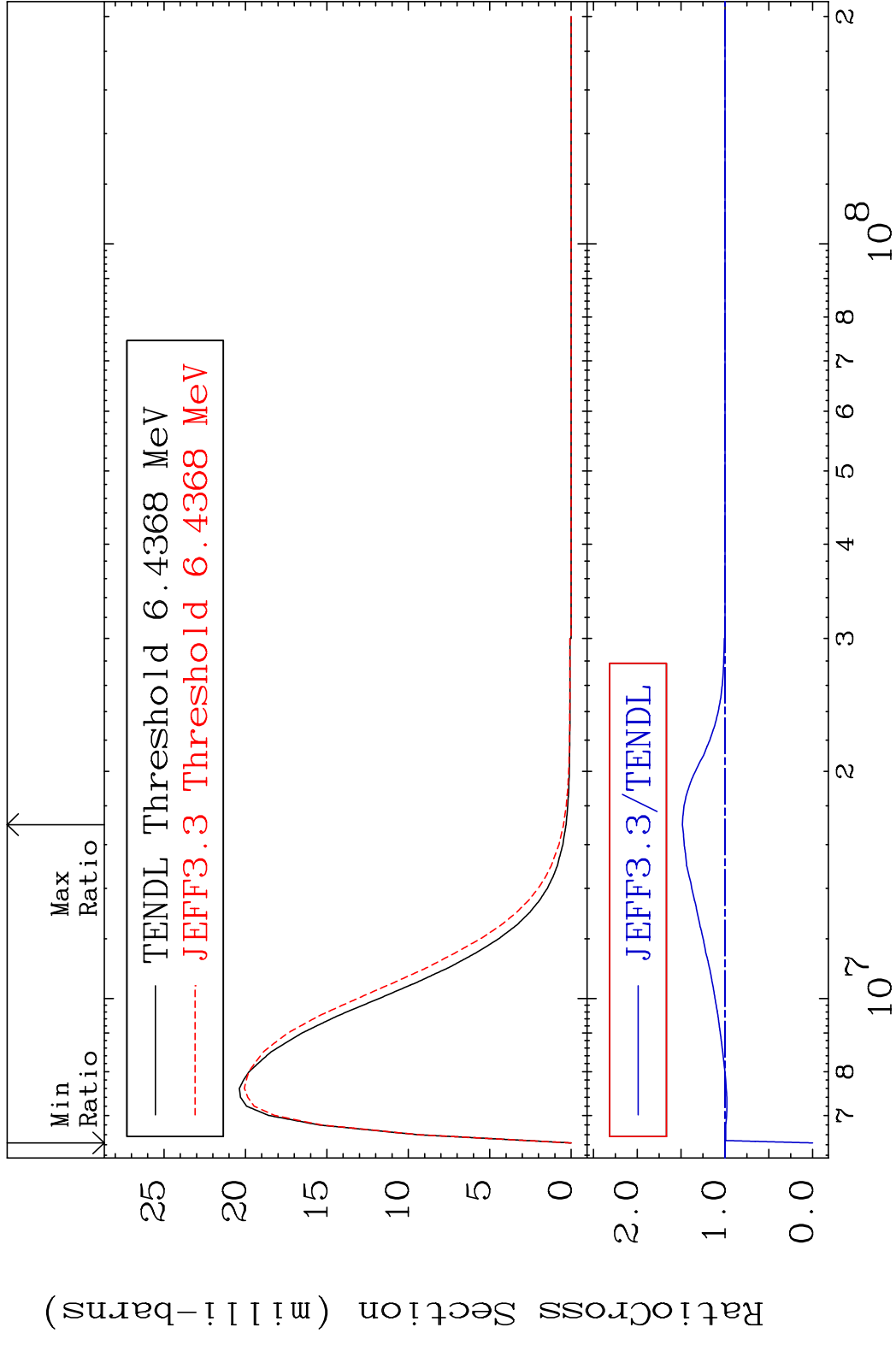
MAT 1631 MT= 69 (n,n') Level 16-S -34  
 Cross Section -100.0 To 40.16 %



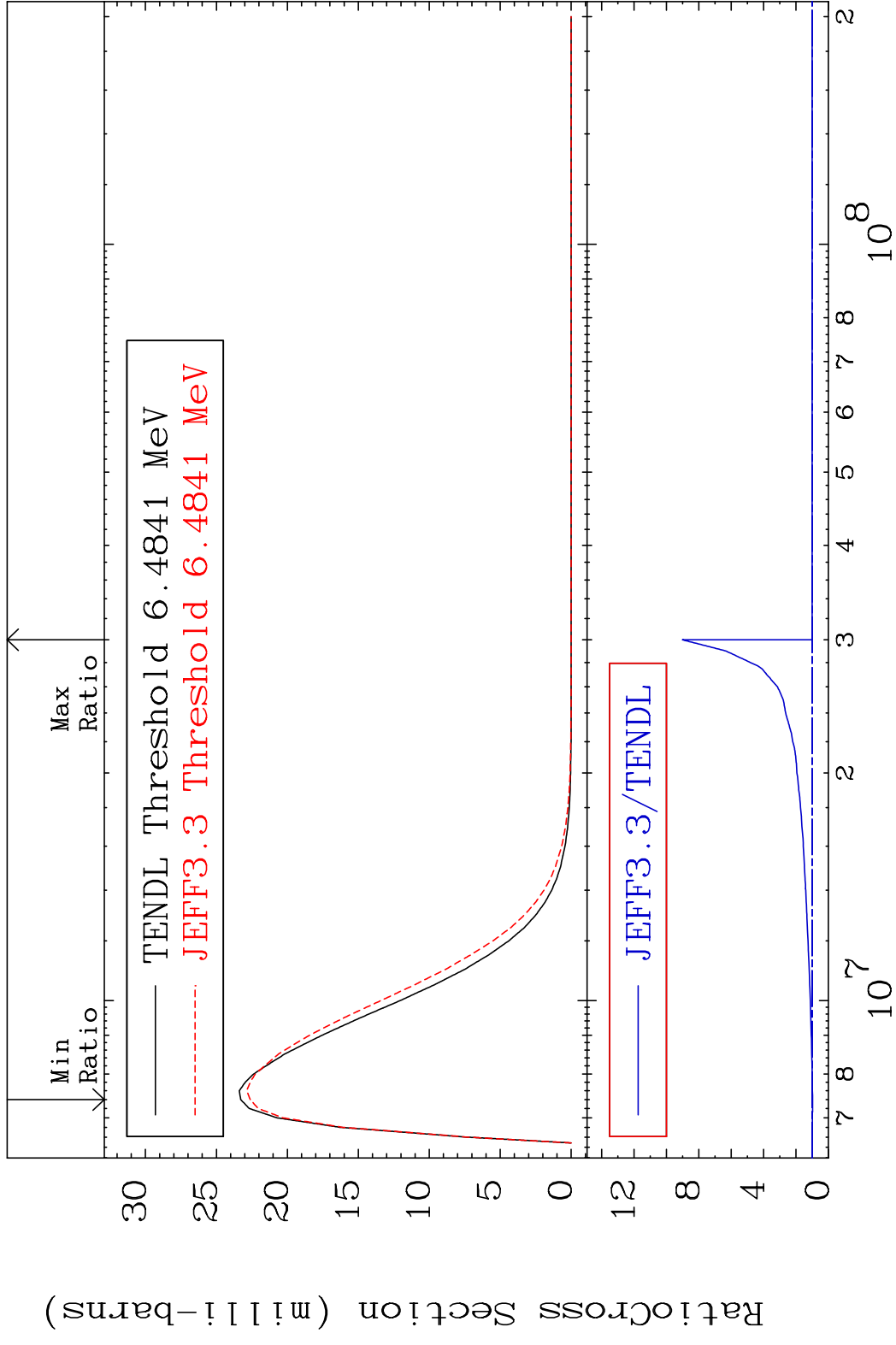
MAT 1631 MT= 70 (n,n') Level 16-S -34  
 Cross Section -2.527 To 45.81 %



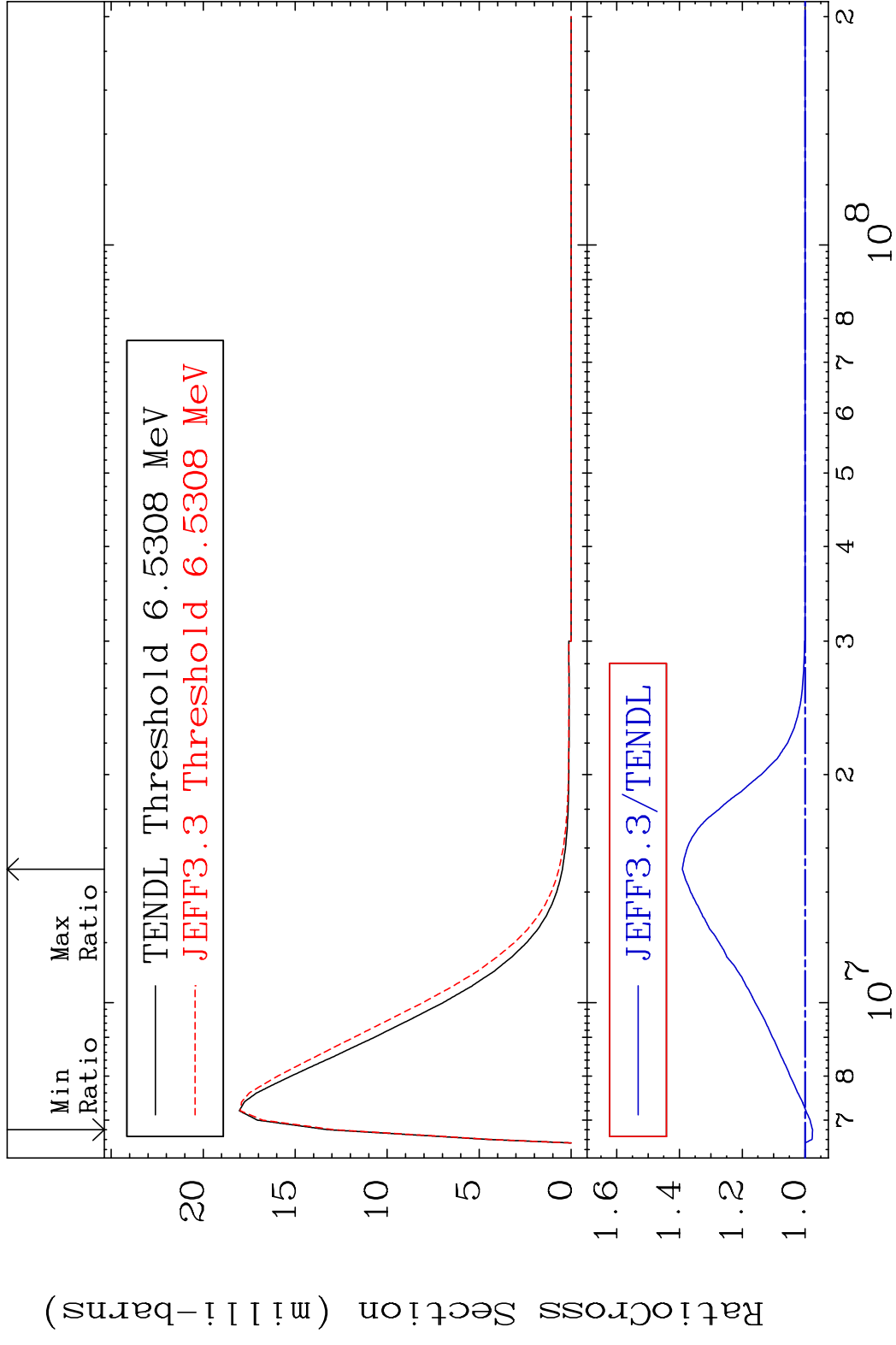
MAT 1631 MT= 71 (n,n') Level 16-S -34  
 Cross Section -100.0 To 48.58 %



MAT 1631 MT= 72 (n,n') Level 16-S -34  
 Cross Section -2.875 To 801.8 %

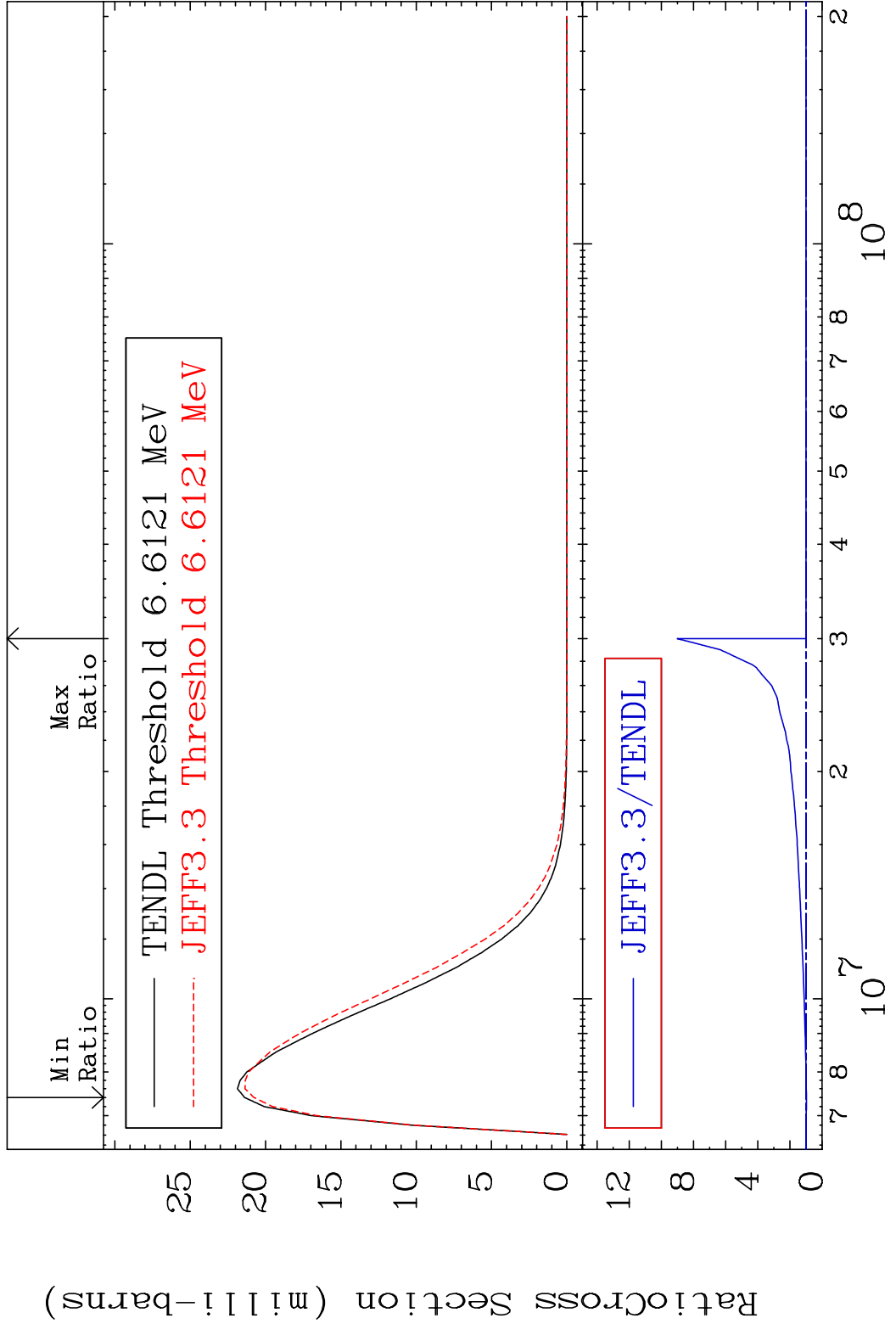


MAT 1631 MT= 73 (n,n') Level 16-S -34  
 Cross Section -2.394 To 39.09 %



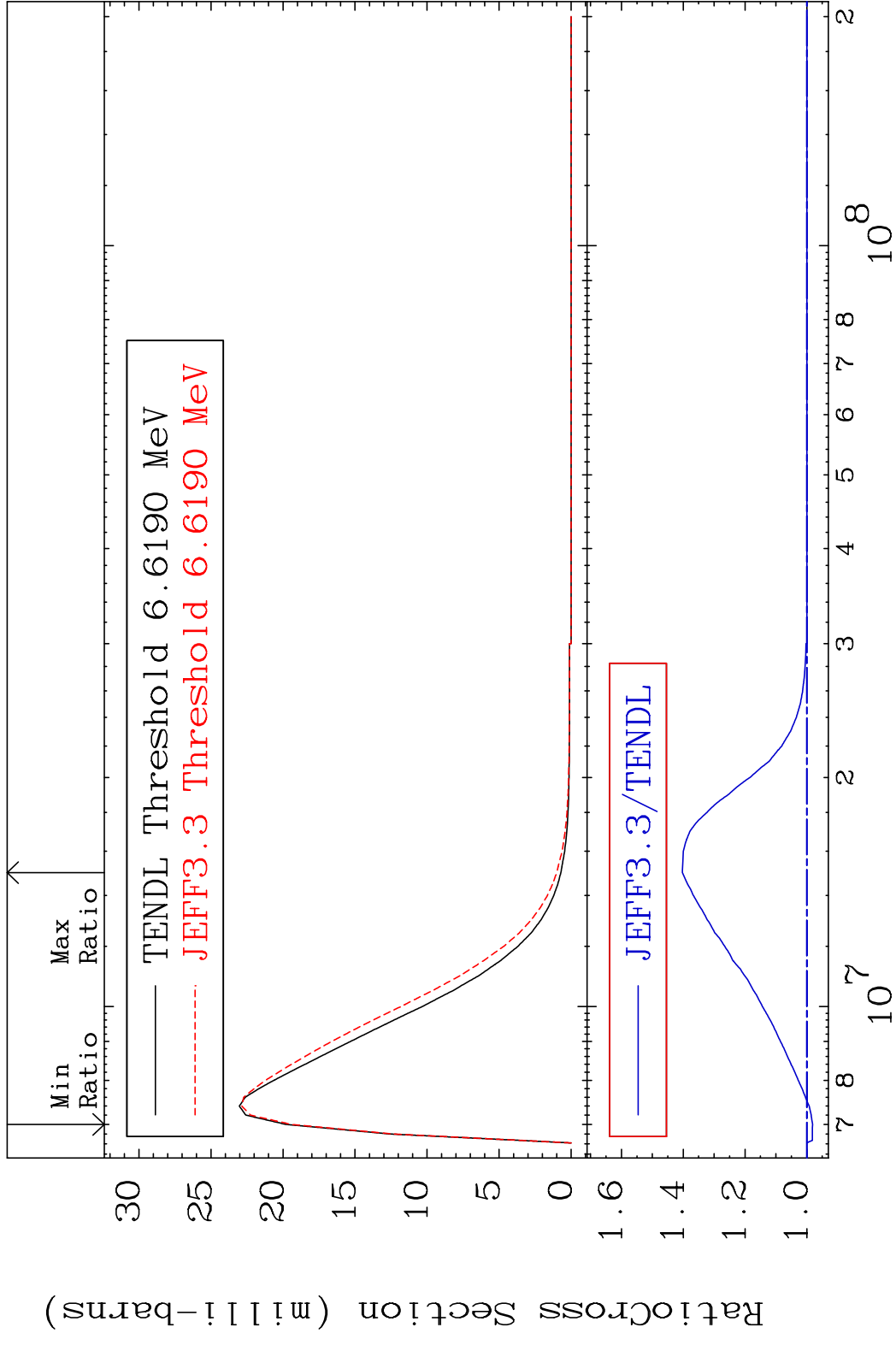


MAT 1631 MT= 74 (n,n') Level 16-S -34  
 Cross Section -2.910 To 801.8 %

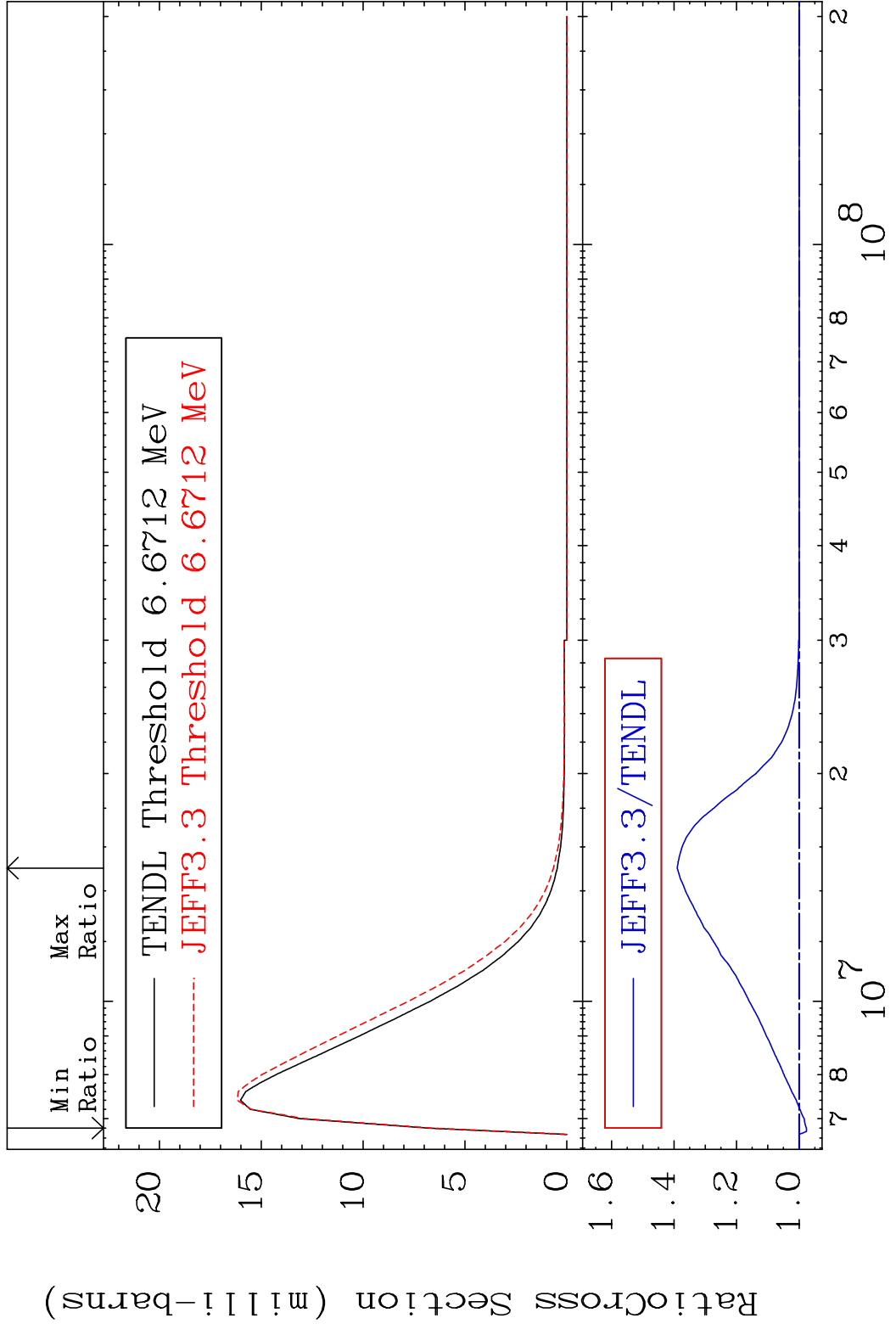


40 16-S -34

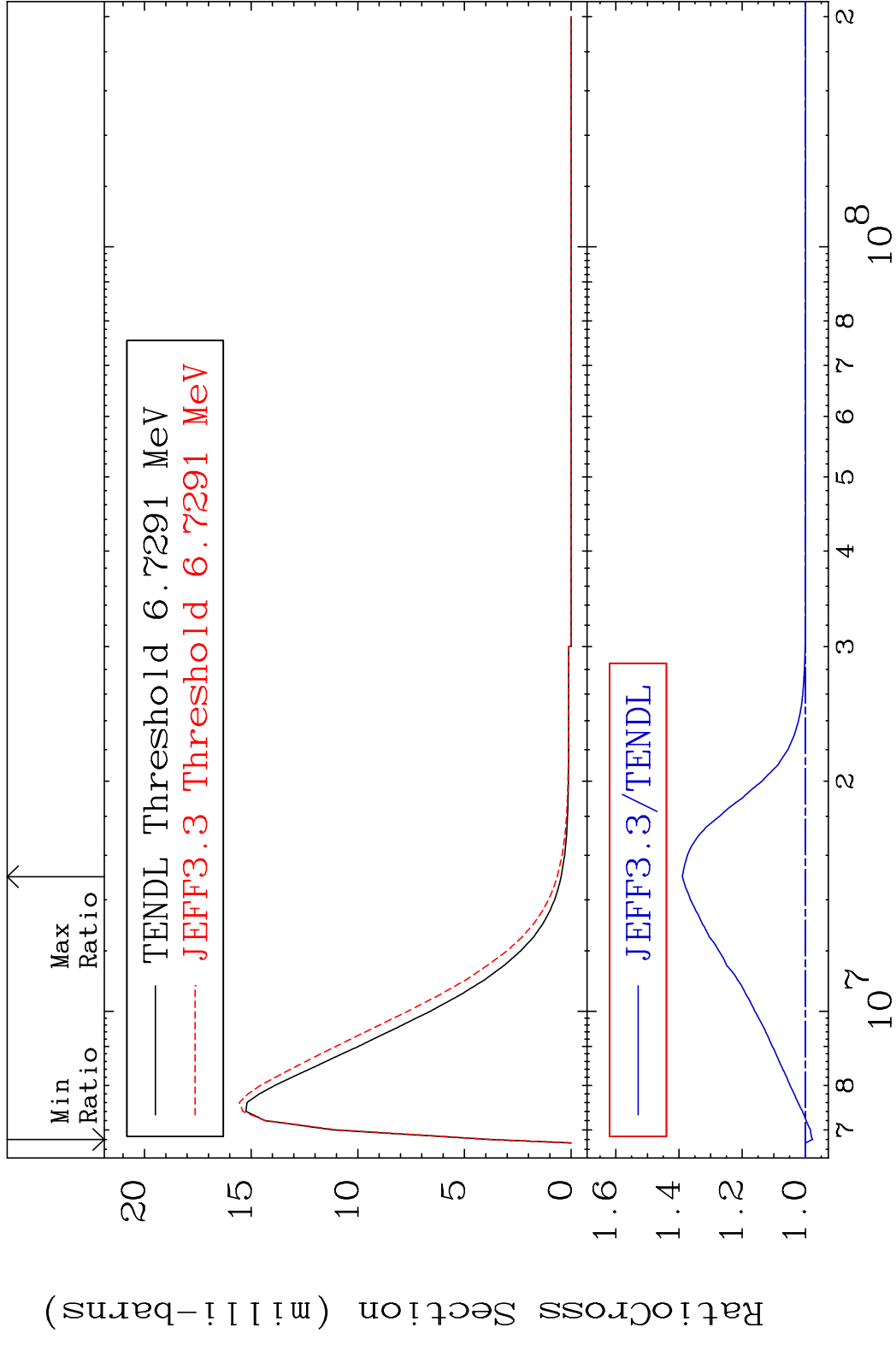
MAT 1631 MT= 75 (n,n') Level 16-S -34  
 Cross Section -1.864 To 40.29 %



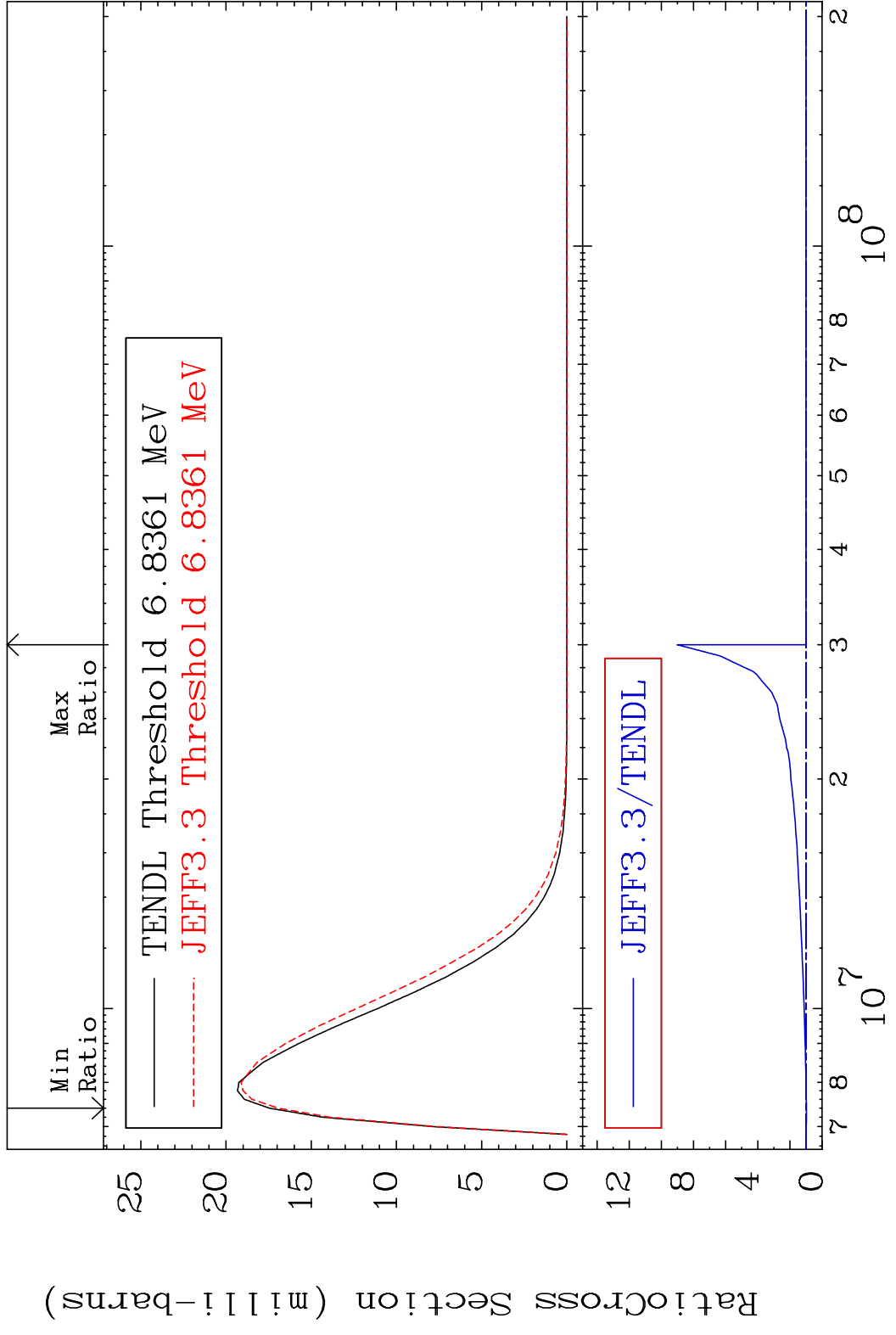
MAT 1631 MT= 76 (n,n') Level 16-S -34  
 Cross Section -2.336 To 38.99 %



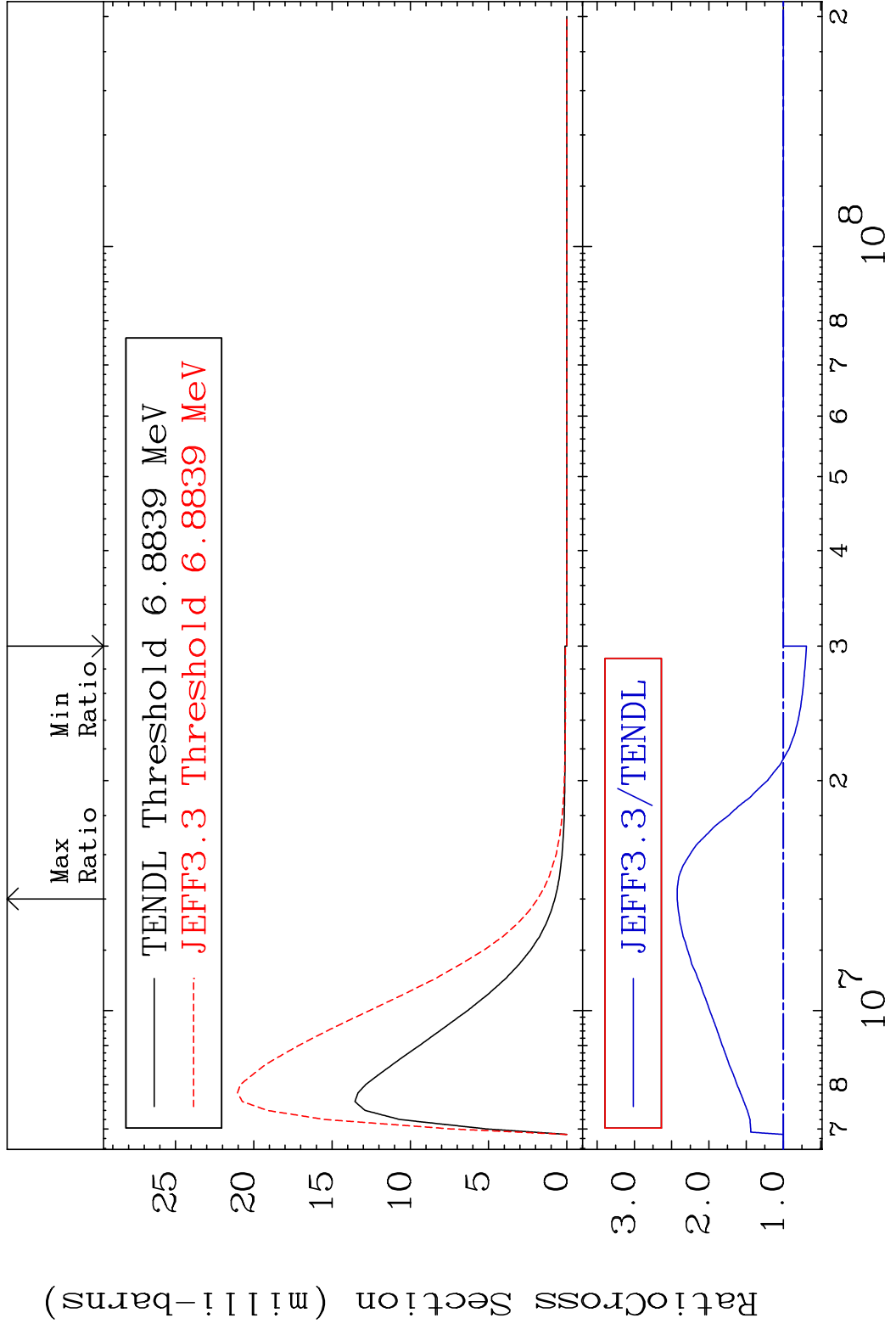
MAT 1631 MT= 77 (n,n') Level 16-S -34  
 Cross Section -2.248 To 38.95 %



MAT 1631 MT= 78 (n,n') Level 16-S -34  
 Cross Section -2.960 To 801.8 %



MAT 1631 MT= 79 (n,n') Level 16-S -34  
 Cross Section -30.87 To 142.6 %

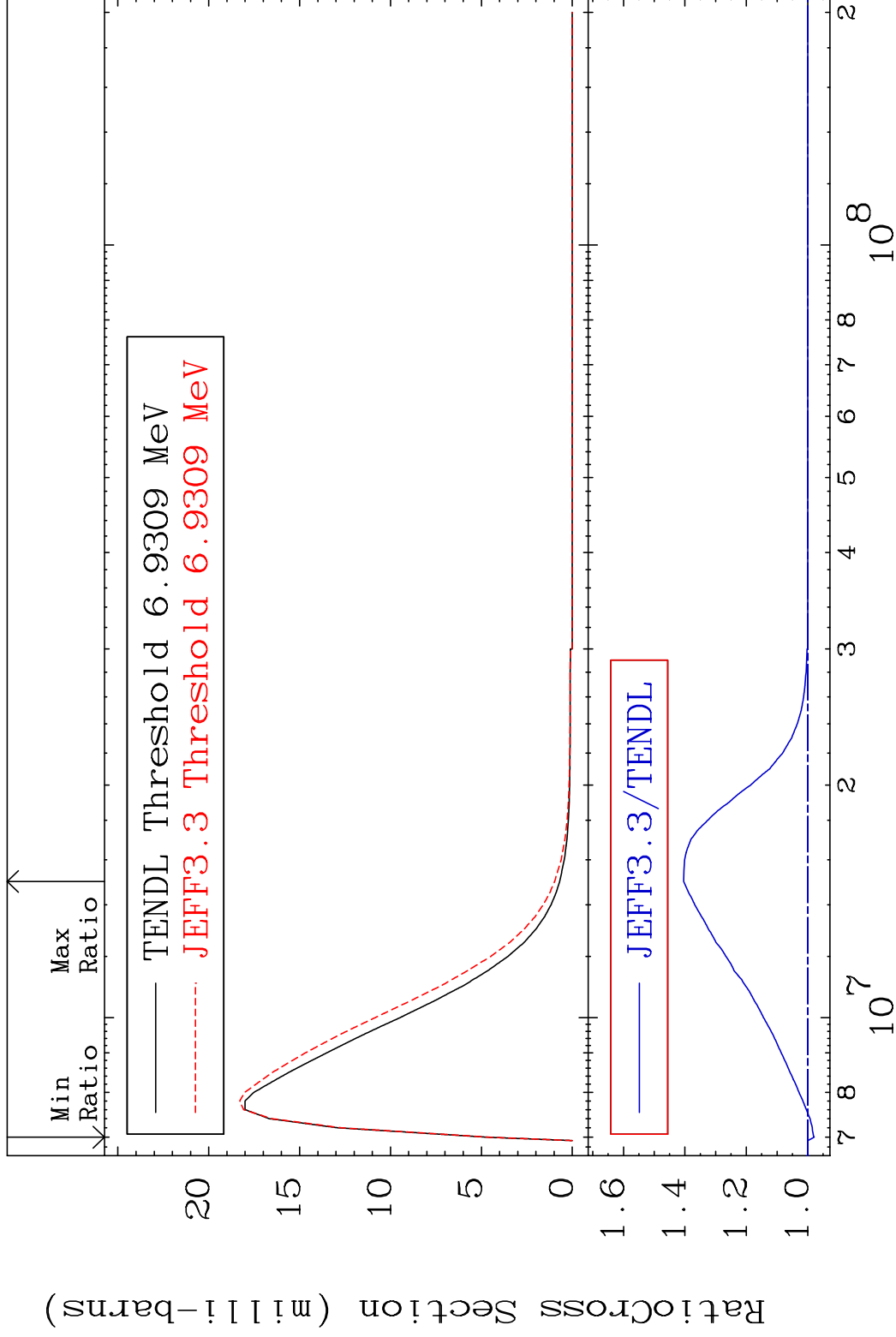


MAT 1631

MT= 80 (n, n') Level

16-S -34

Cross Section -2.060 To 40.42 %

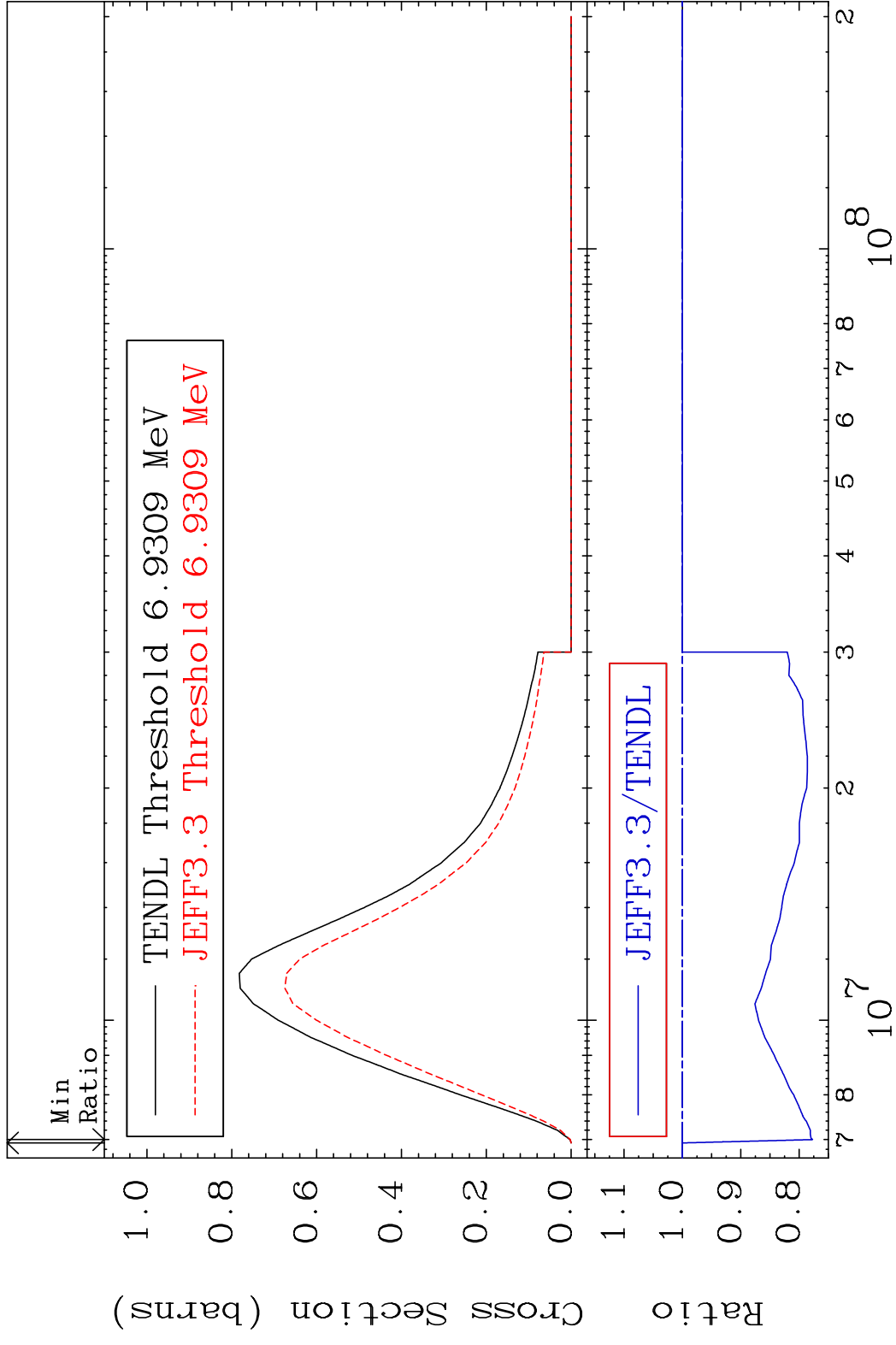


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Incident Energy (eV)

16-S -34

MAT 1631 (n,n') Continuum 16-S -34  
 Cross Section -22.31 To 0.000 %



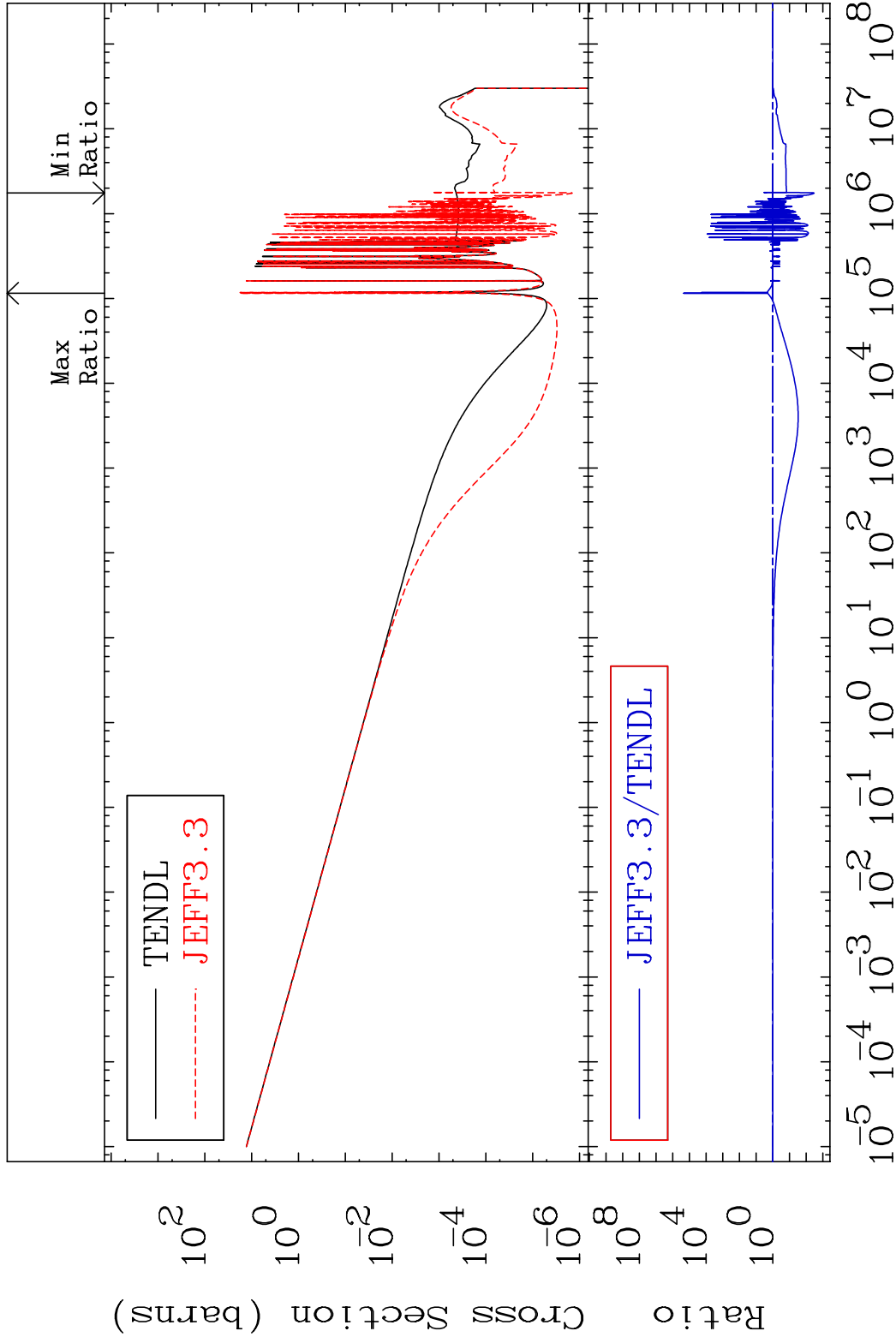


MAT 1631

(n,  $\gamma$ )

16-S -34

Cross Section -99.67 To 9999. %



48

Incident Energy (eV)

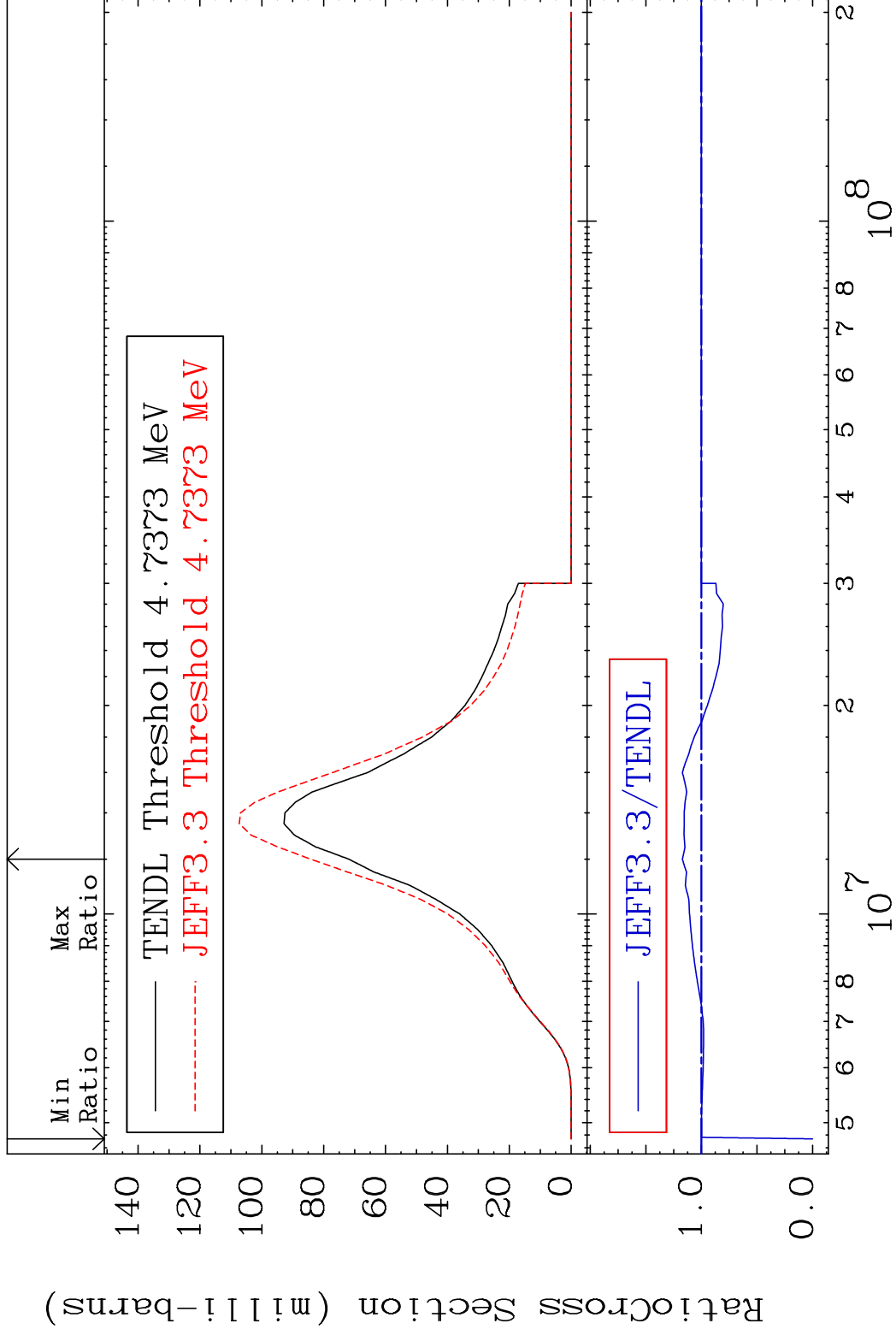
16-S -34

MAT 1631

(n,p)

16-S -34

Cross Section -100.0 To 17.17 %



49

Incident Energy (eV)

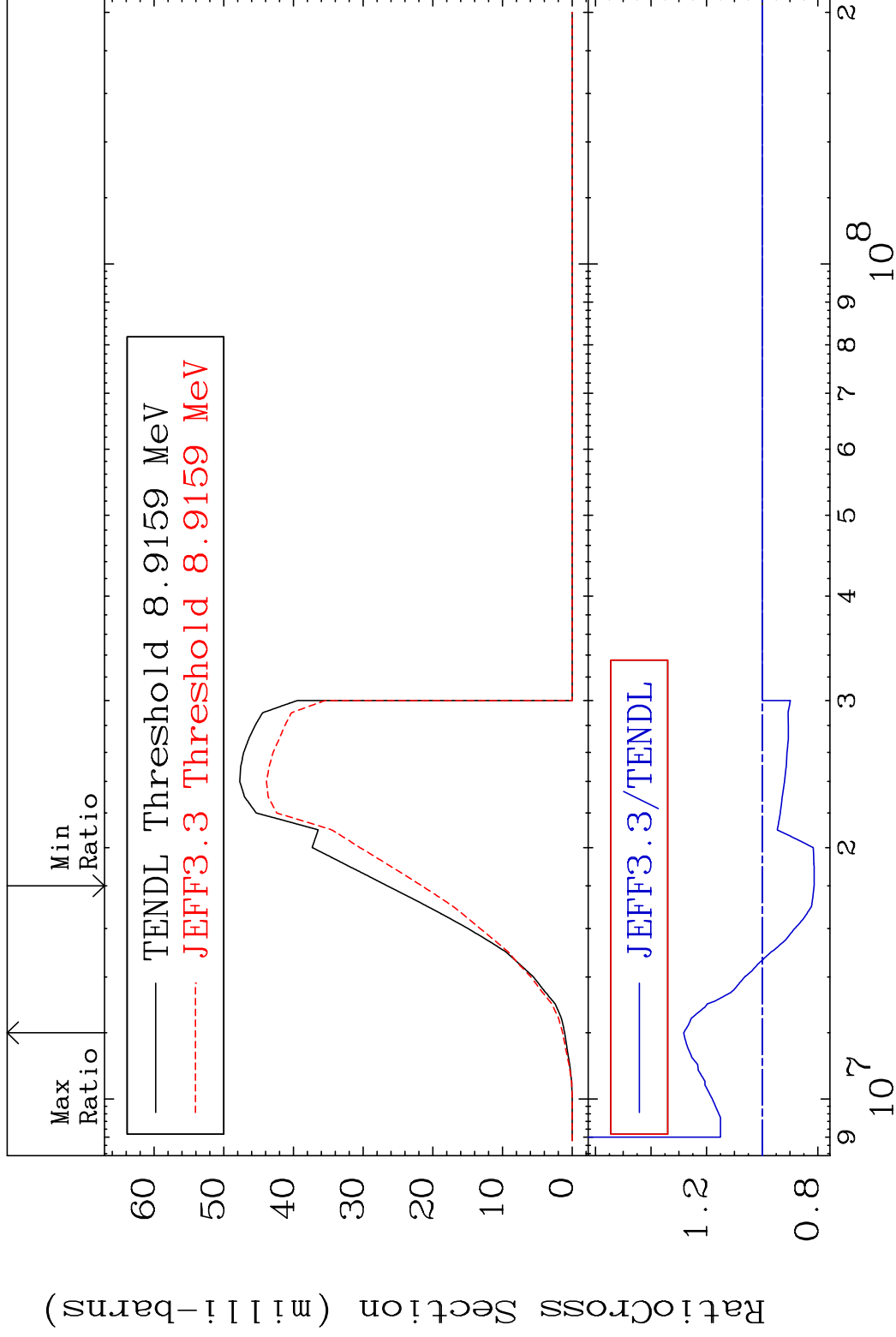
16-S -34

MAT 1631

(n,d)

16-S -34

Cross Section -18.67 To 28.26 %



50

Incident Energy (eV)

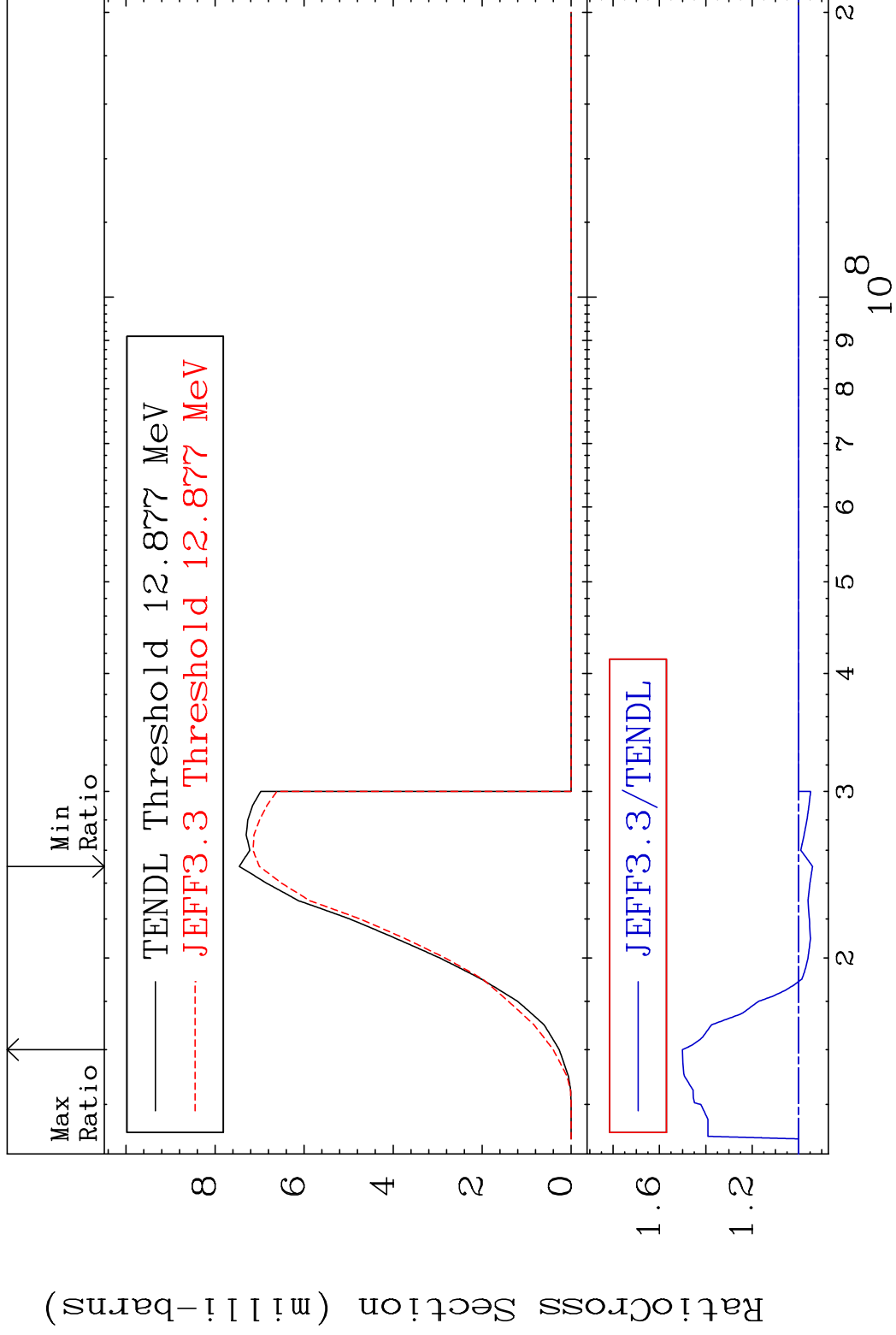
16-S -34

MAT 1631

(n, t)

16-S -34

Cross Section -6.042 To 50.12 %



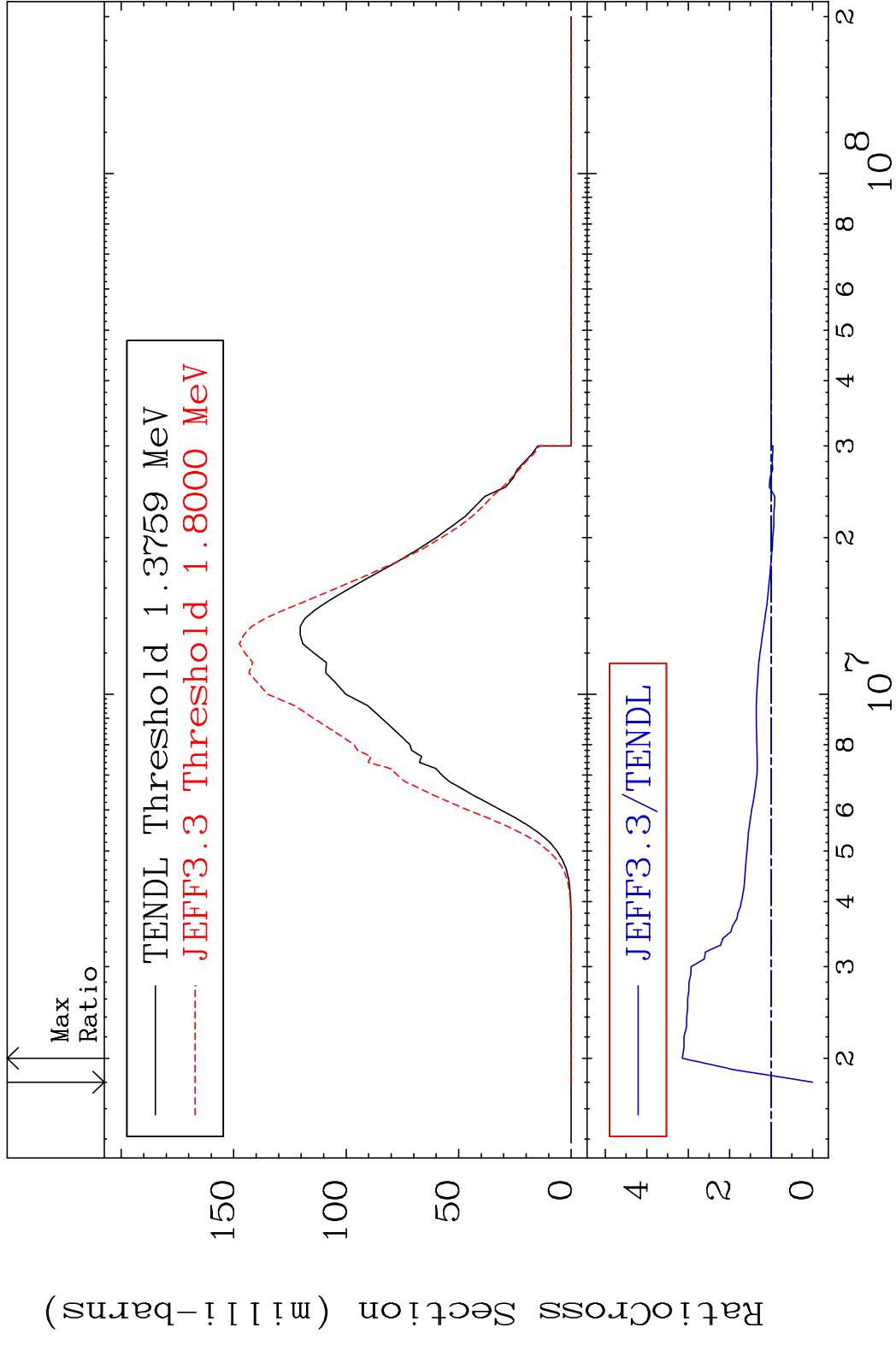
51

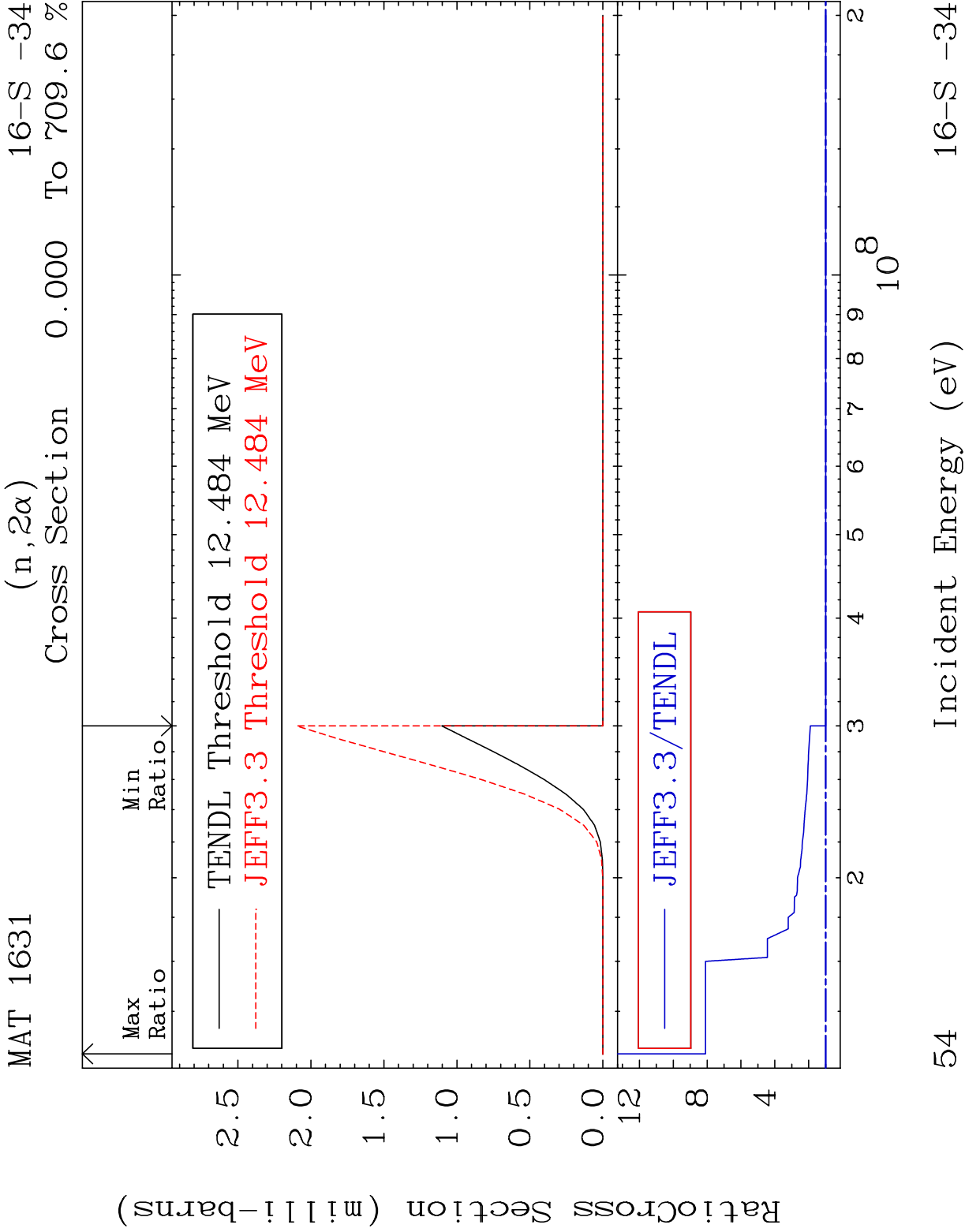
Incident Energy (eV)

16-S -34

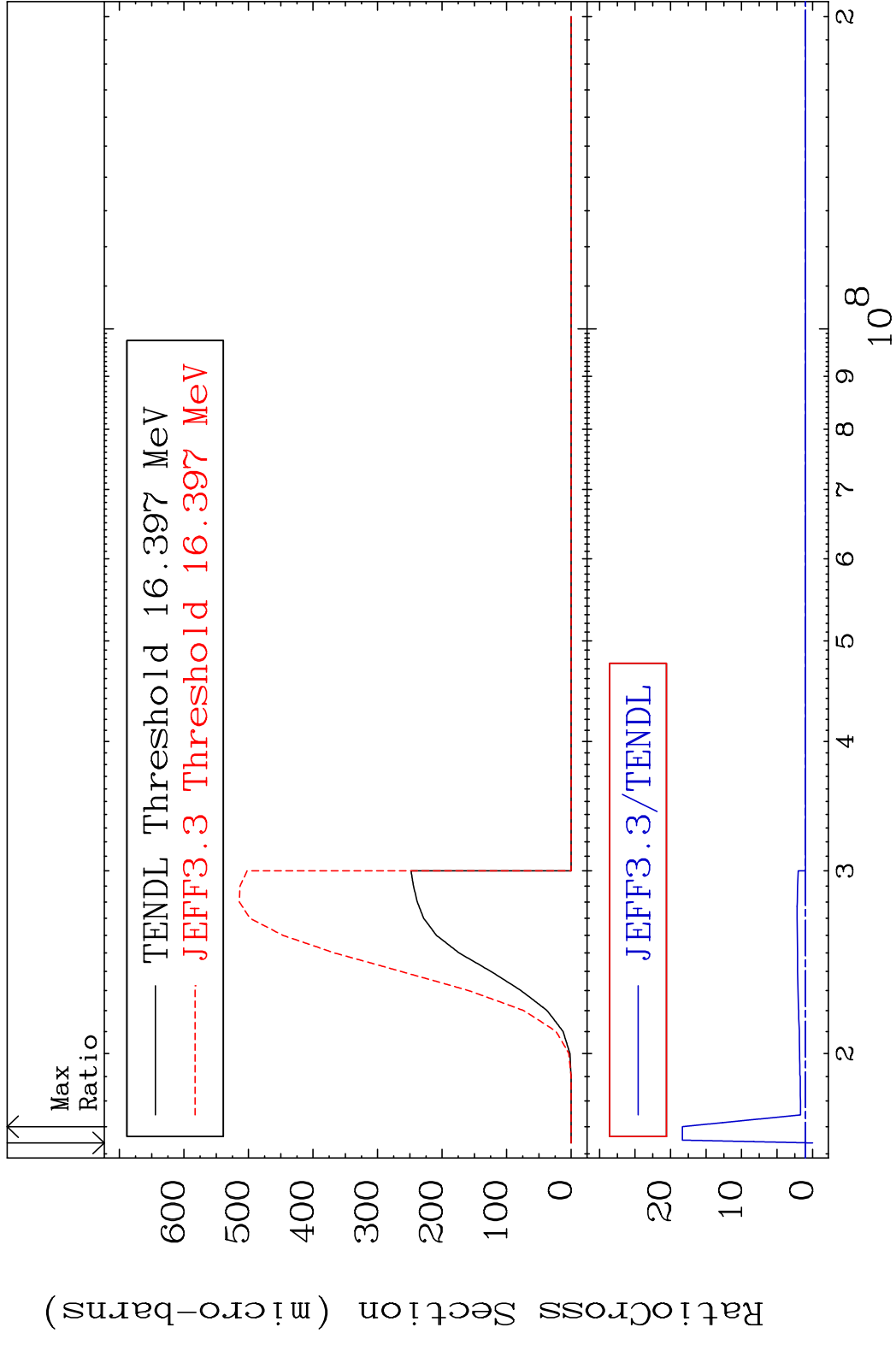


MAT 1631 (n,  $\alpha$ ) 16-S -34  
 Cross Section -100.0 To 214.3 %





MAT 1631 (n,2p) 16-S -34  
 Cross Section -100.0 To 1734. %



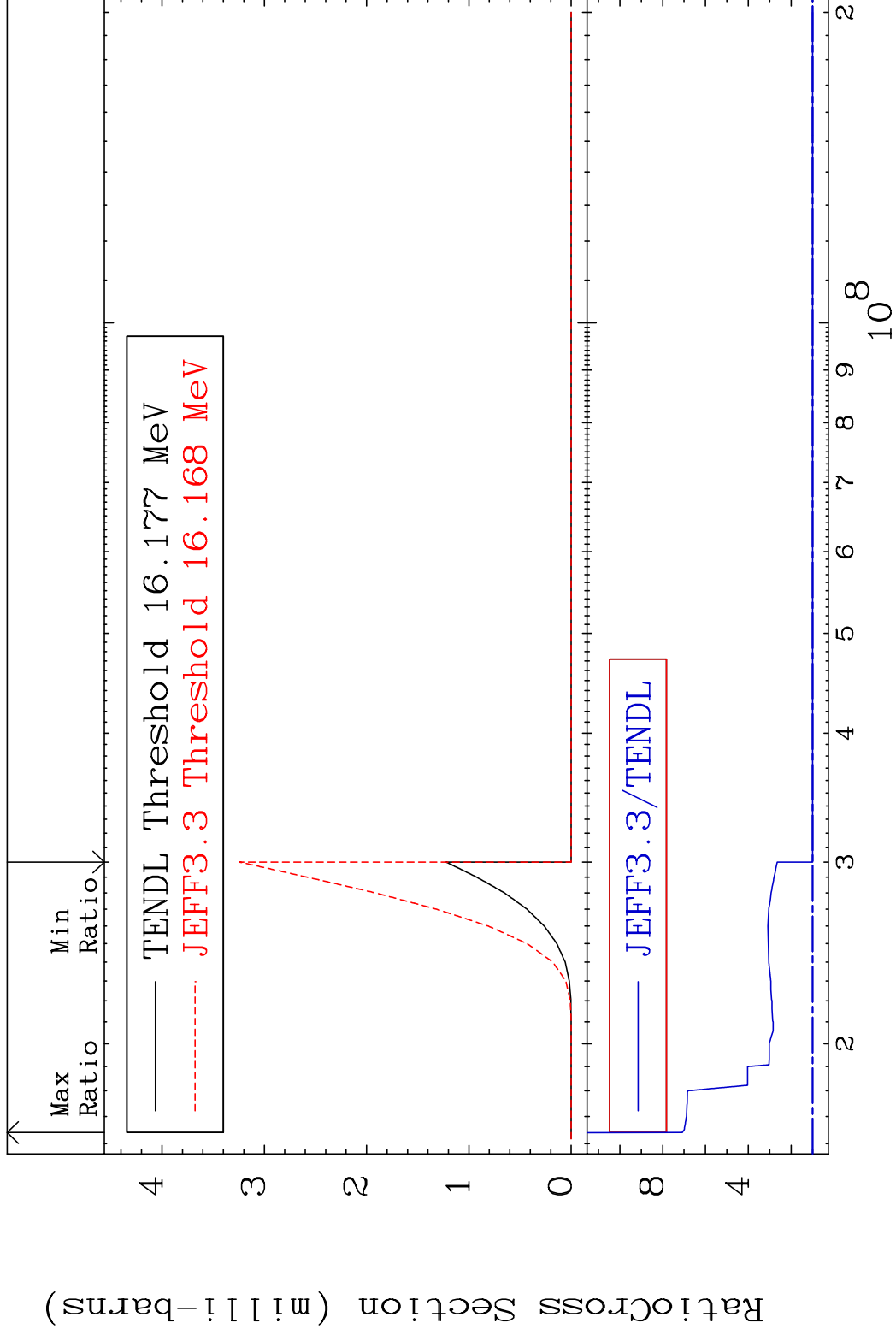


MAT 1631

(n,p)  $\alpha$

16-S -34

Cross Section 0.000 To 608.1 %

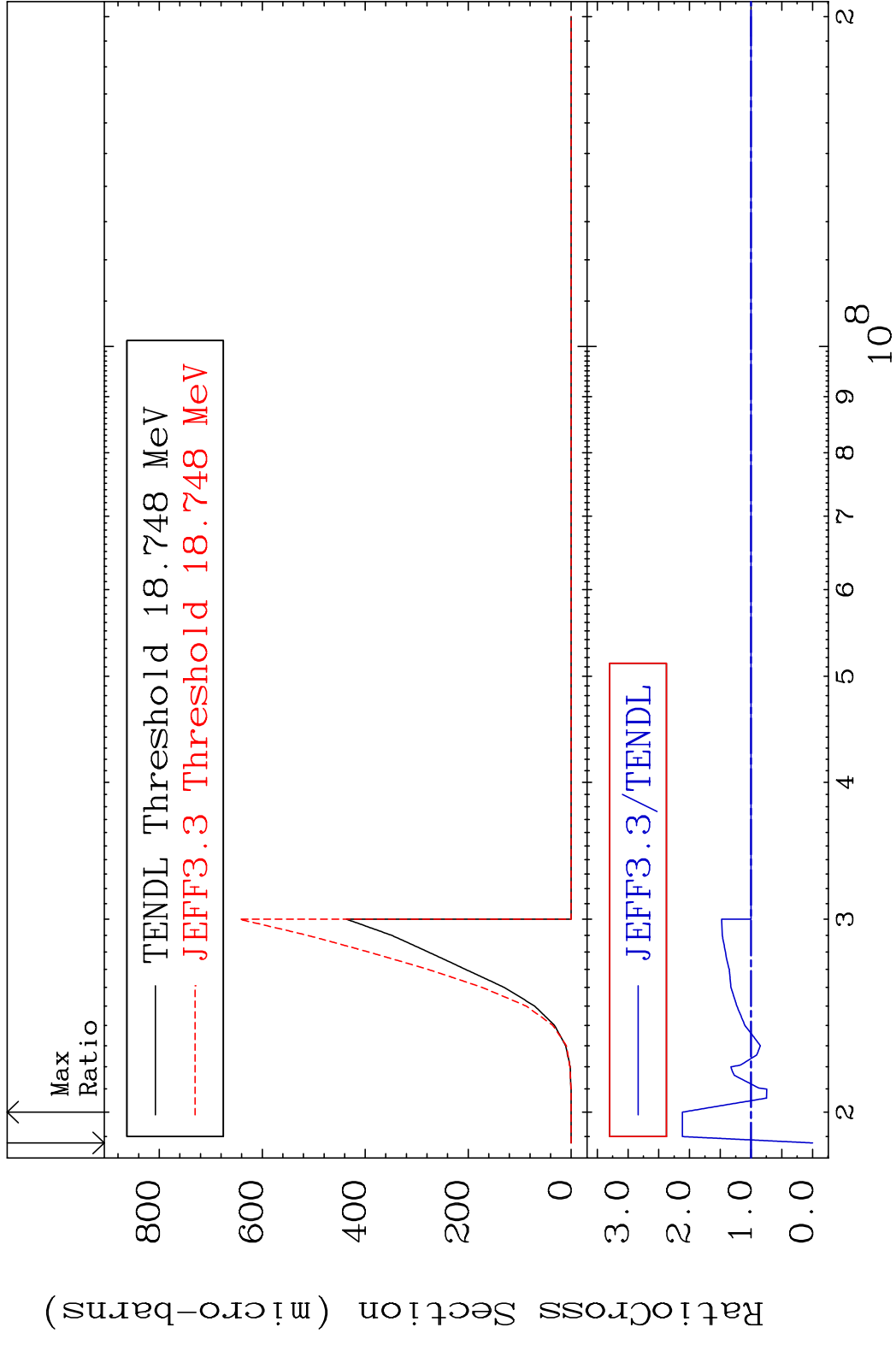


56

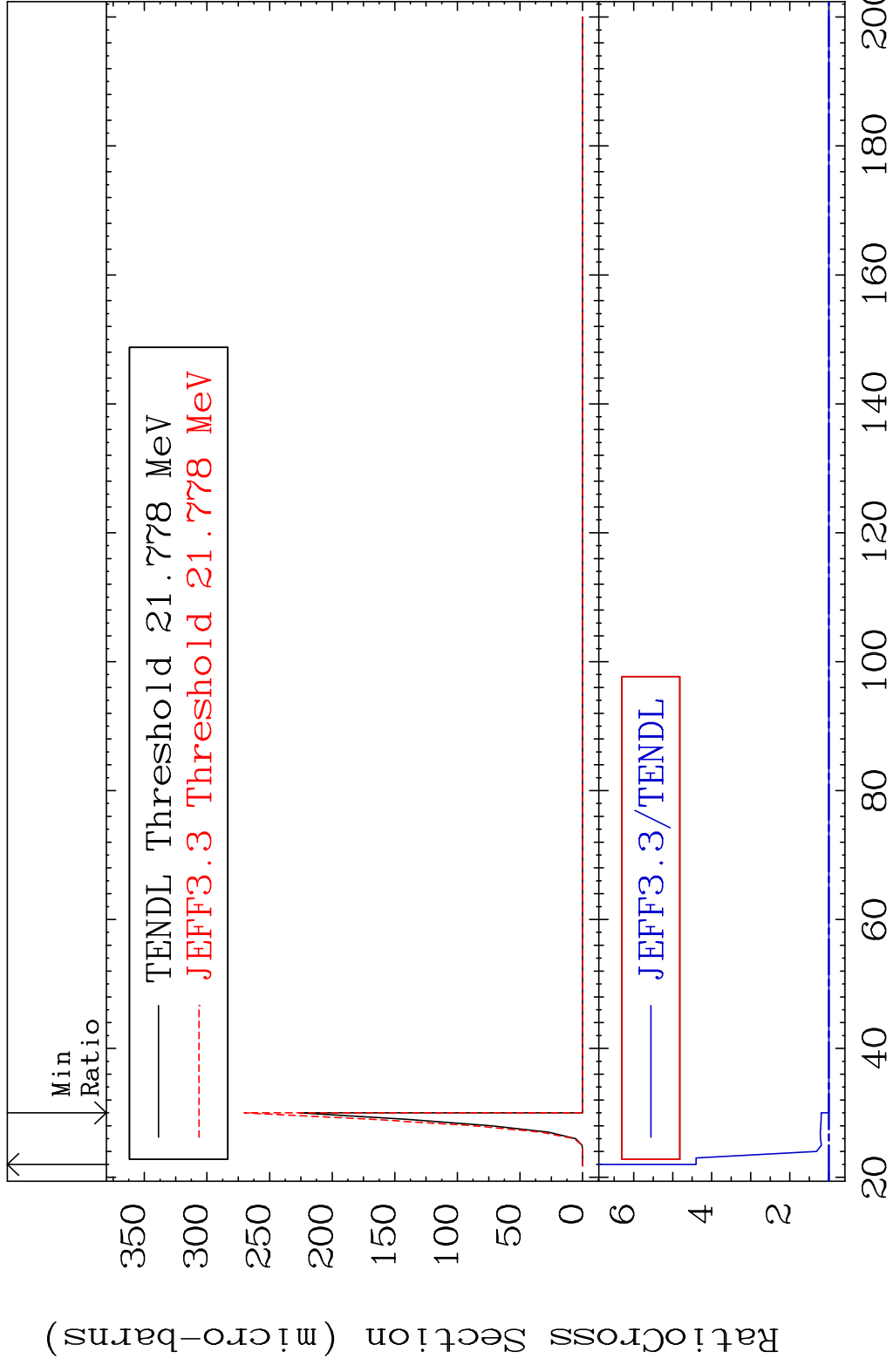
Incident Energy (eV)

16-S -34

MAT 1631 (n,p) d 16-S -34  
 Cross Section -100.0 To 111.7 %



MAT 1631 (n,p) t 16-S -34  
 Cross Section 0.000 To 340.2 %

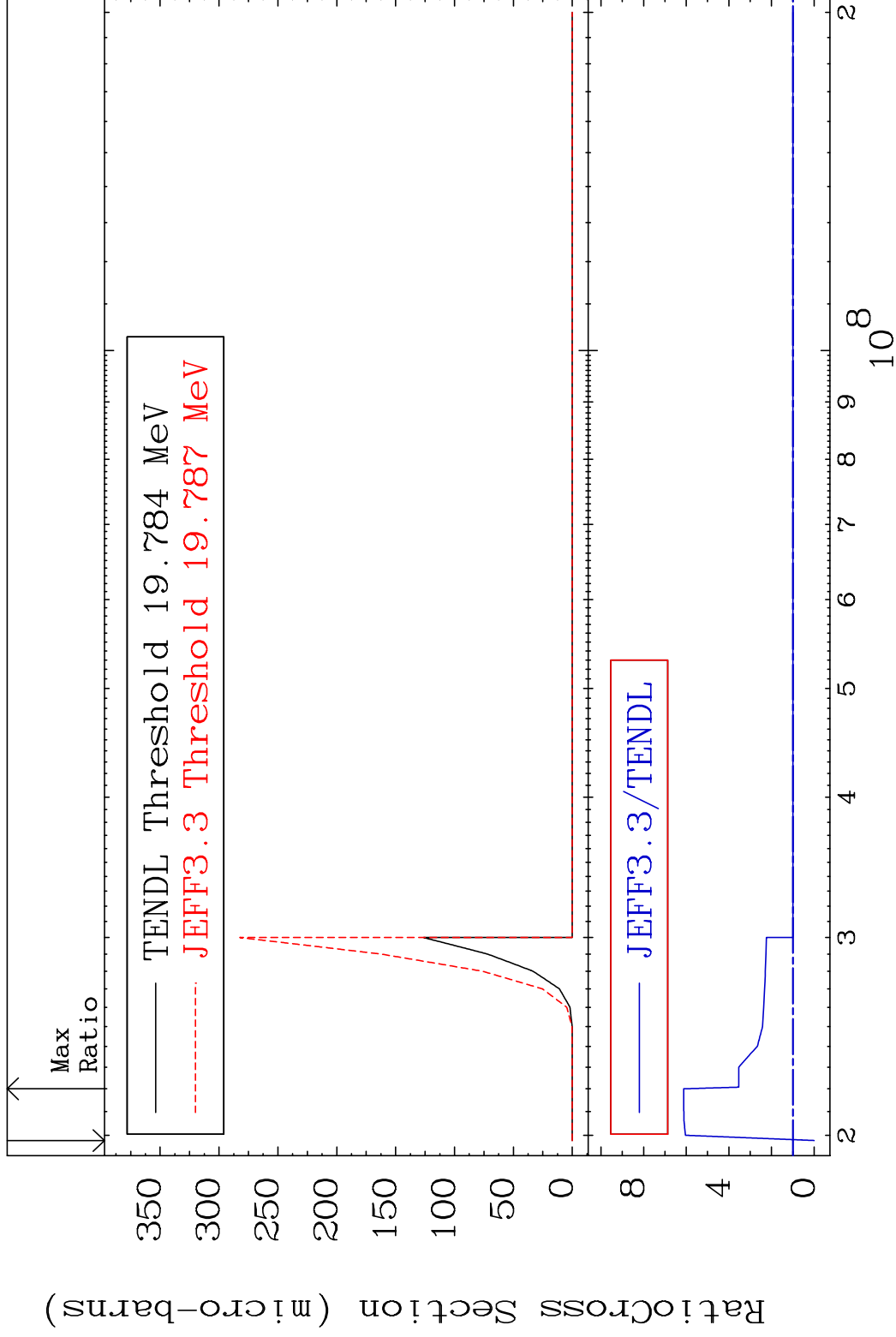


MAT 1631

(n,d)  $\alpha$

16-S -34

Cross Section -100.0 To 512.2 %

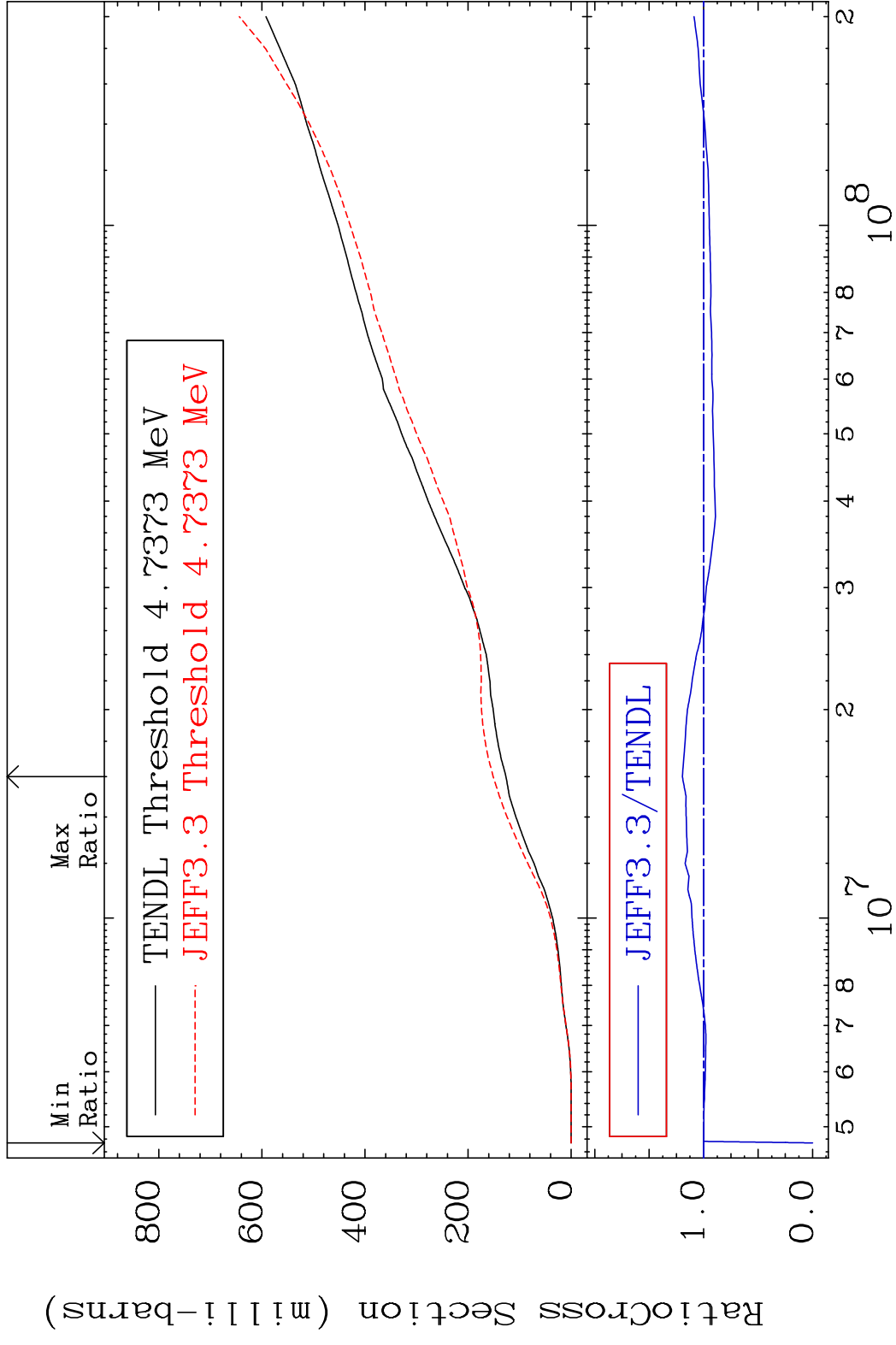


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Incident Energy (eV)

16-S -34

MAT 1631 Hydrogen Production 16-S -34  
 Cross Section -100.0 To 19.54 %



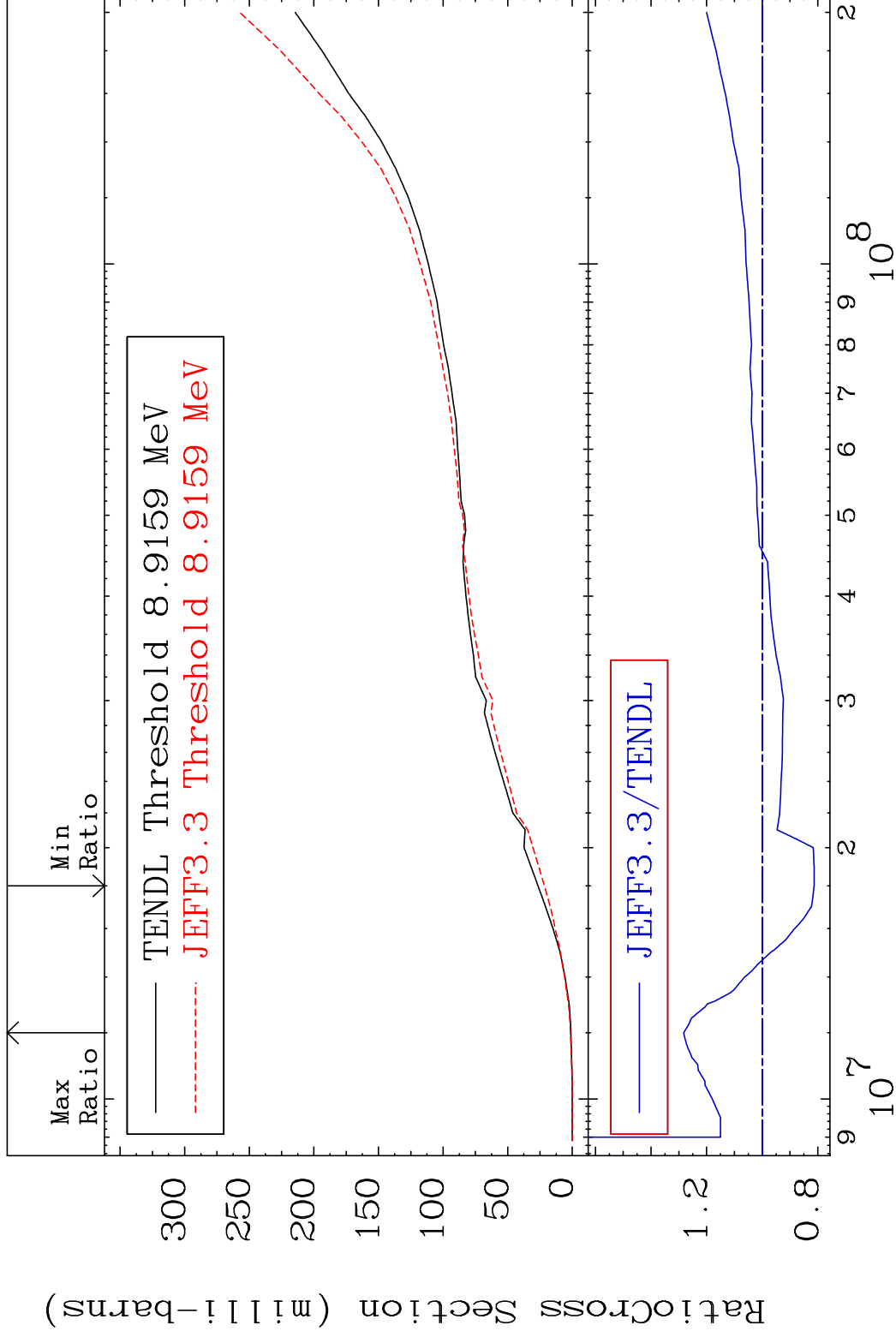
60 16-S -34

MAT 1631

Deuterium Production

16-S -34

Cross Section -18.67 To 28.26 %

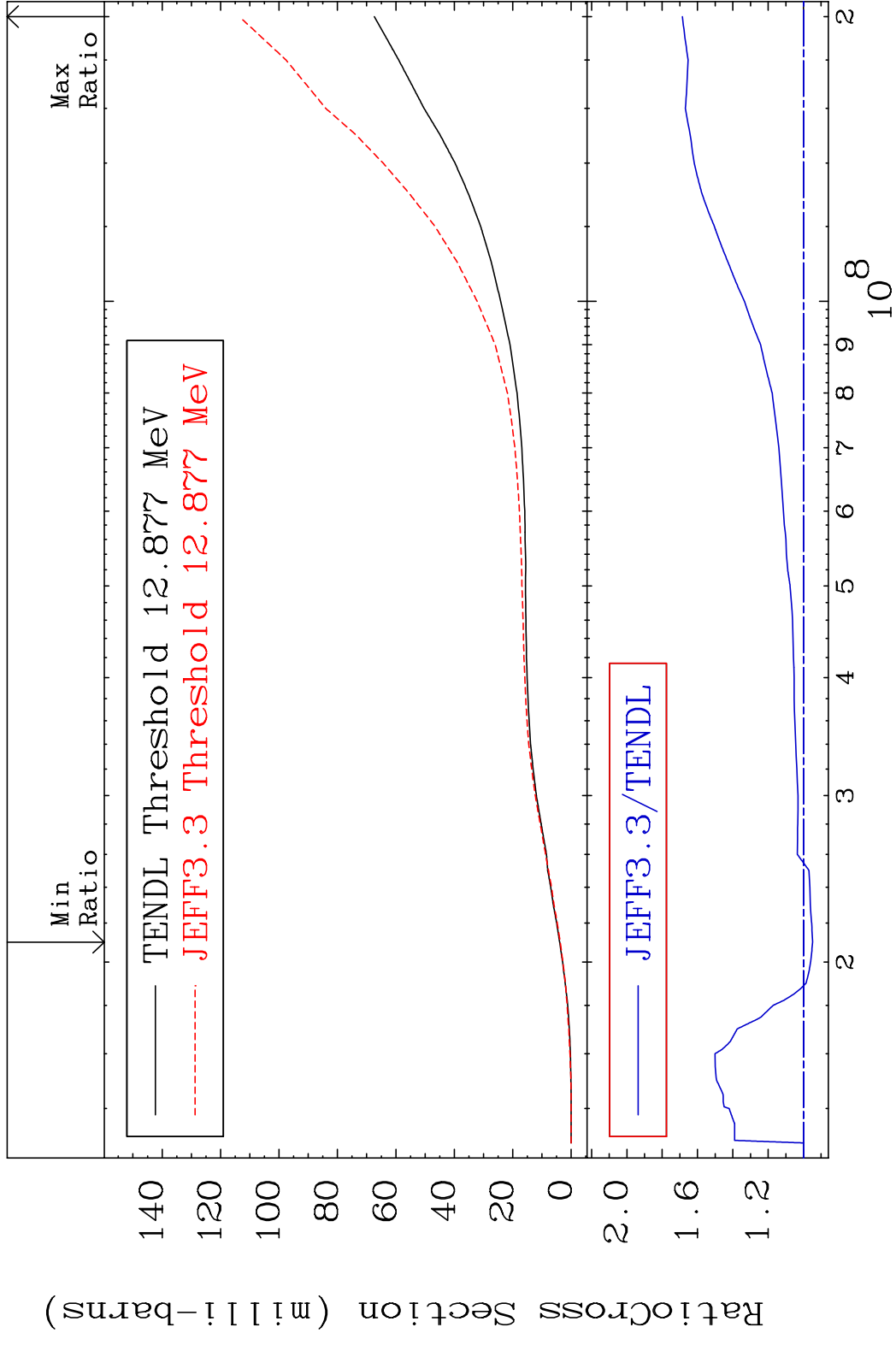


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Incident Energy (eV)

16-S -34

MAT 1631 Tritium Production 16-S -34  
 Cross Section -5.139 To 68.59 %

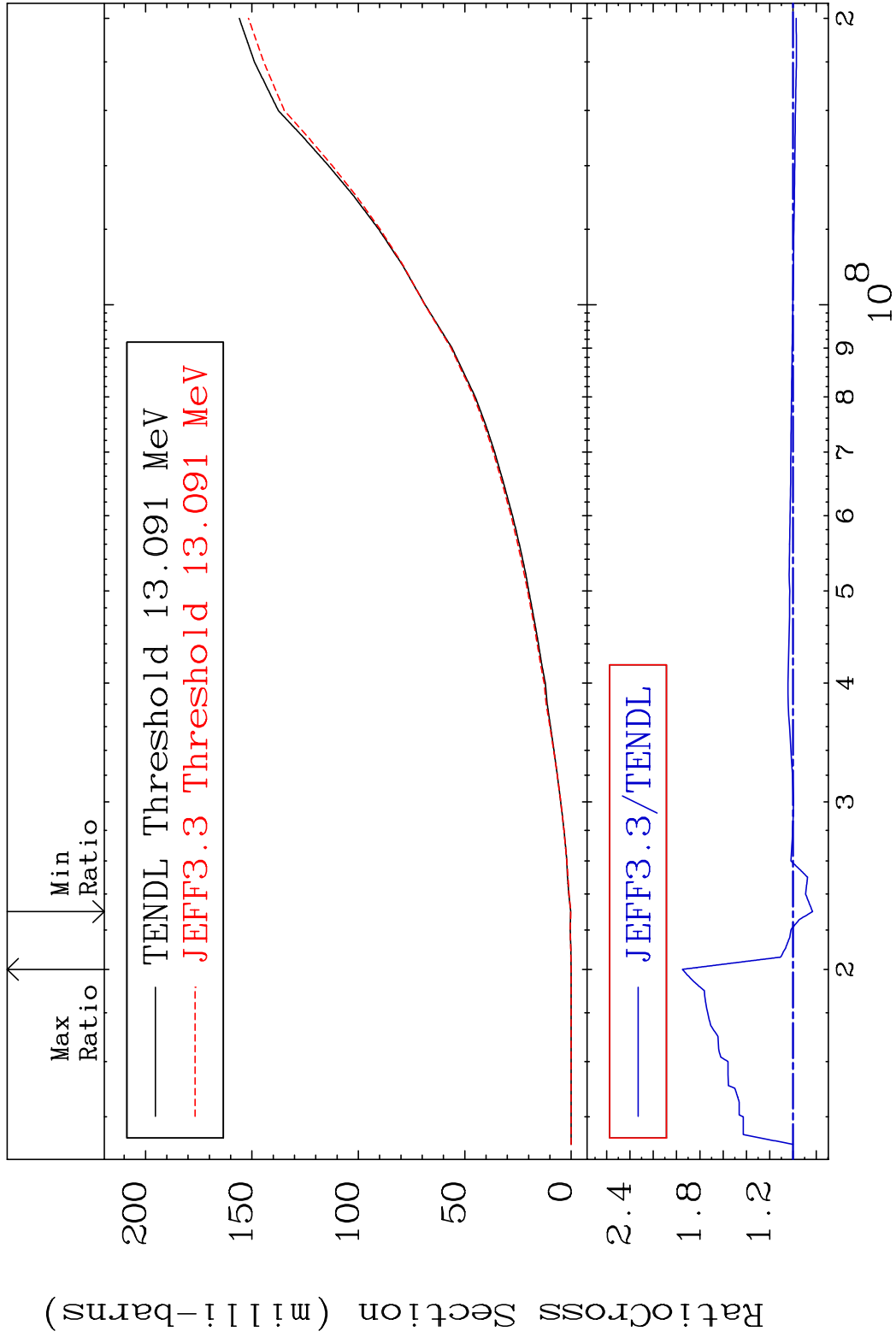


MAT 1631

He-3 Production

16-S -34

Cross Section -16.80 To 95.01 %



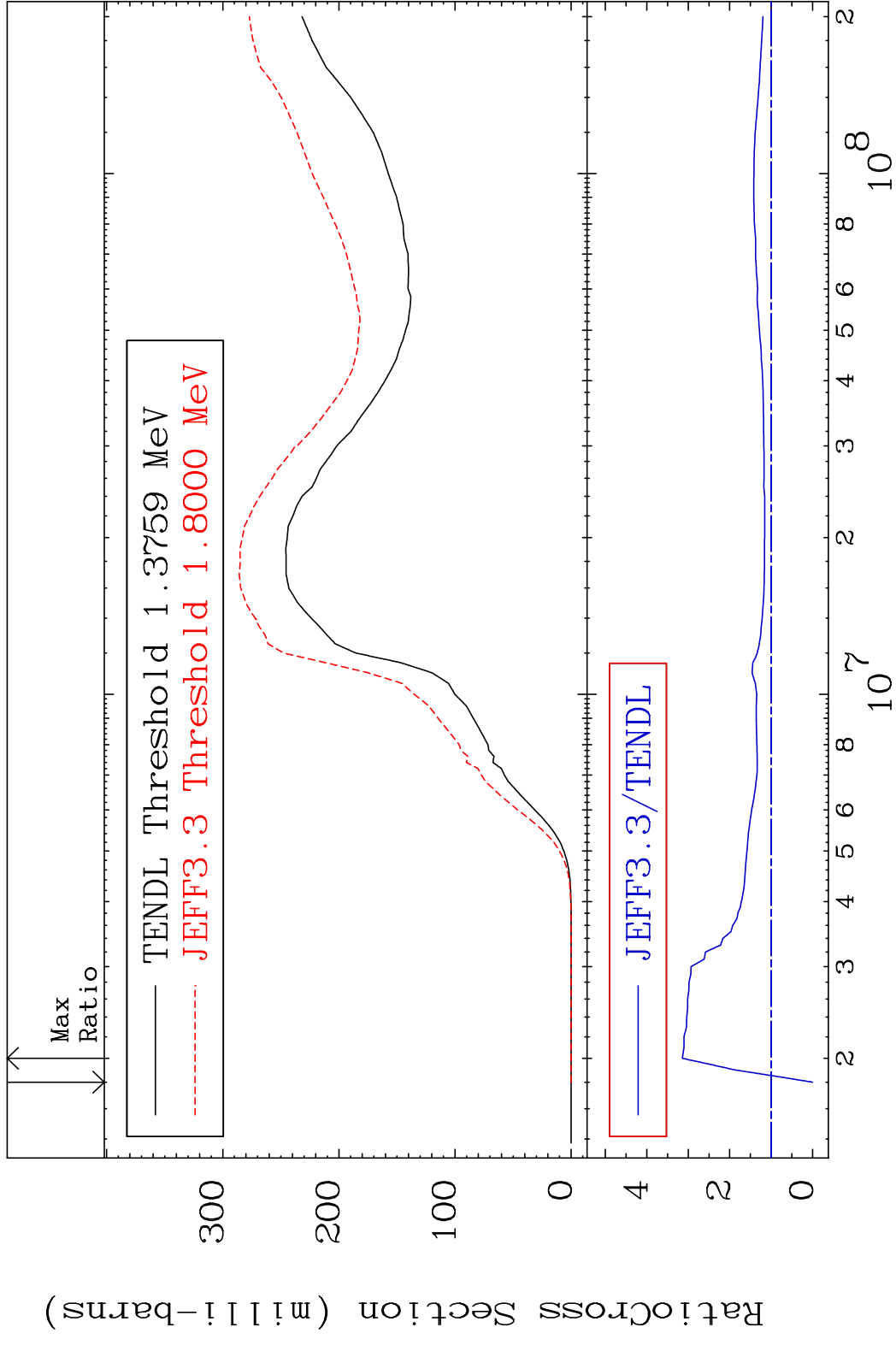
63

Incident Energy (eV)

16-S -34

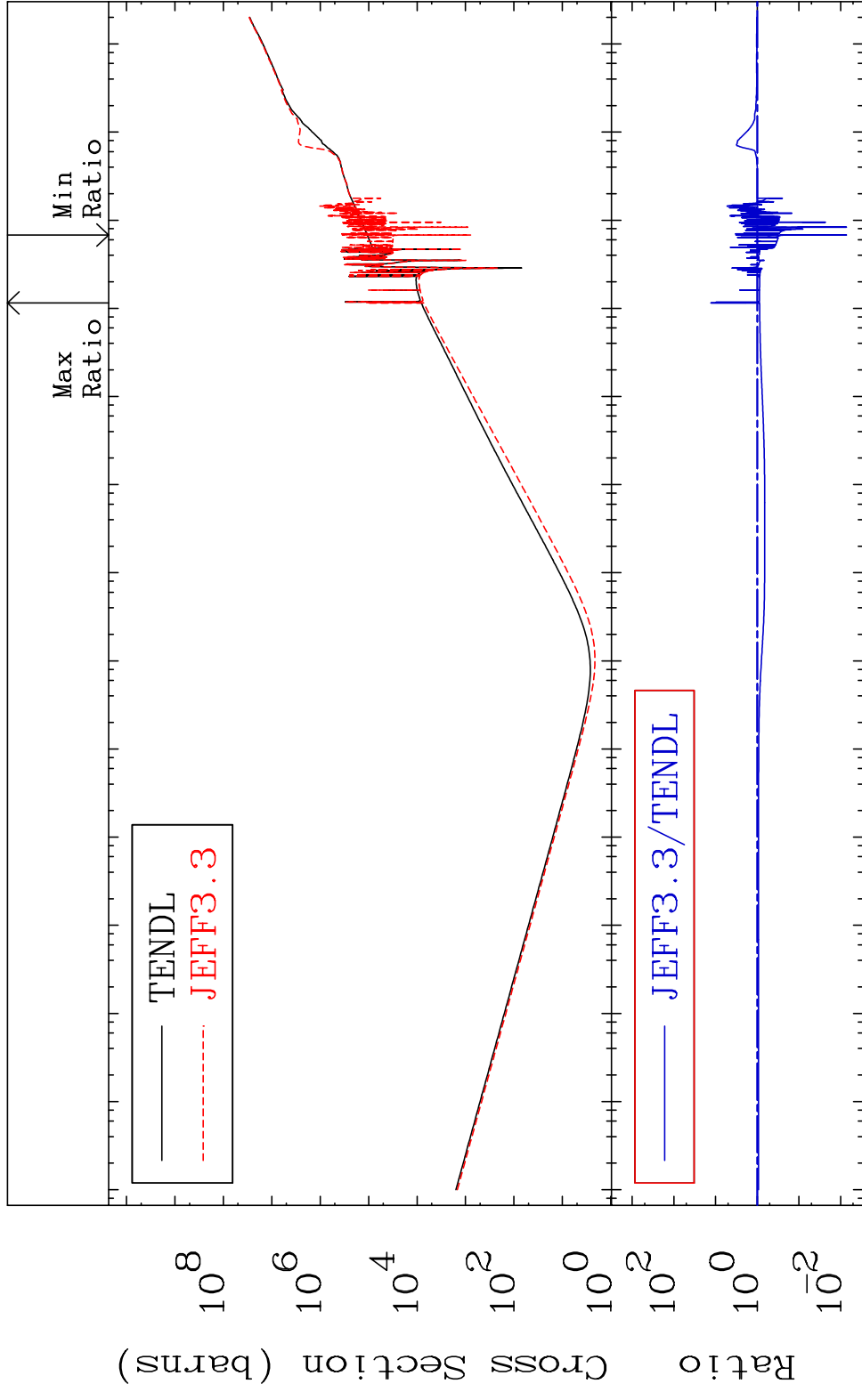


MAT 1631 He-4 Production 16-S -34  
 Cross Section -100.0 To 214.3 %



64 16-S -34

MAT 1631 Kerma total (eV-barns) 16-S -34  
 Cross Section -99.27 To 1205. %

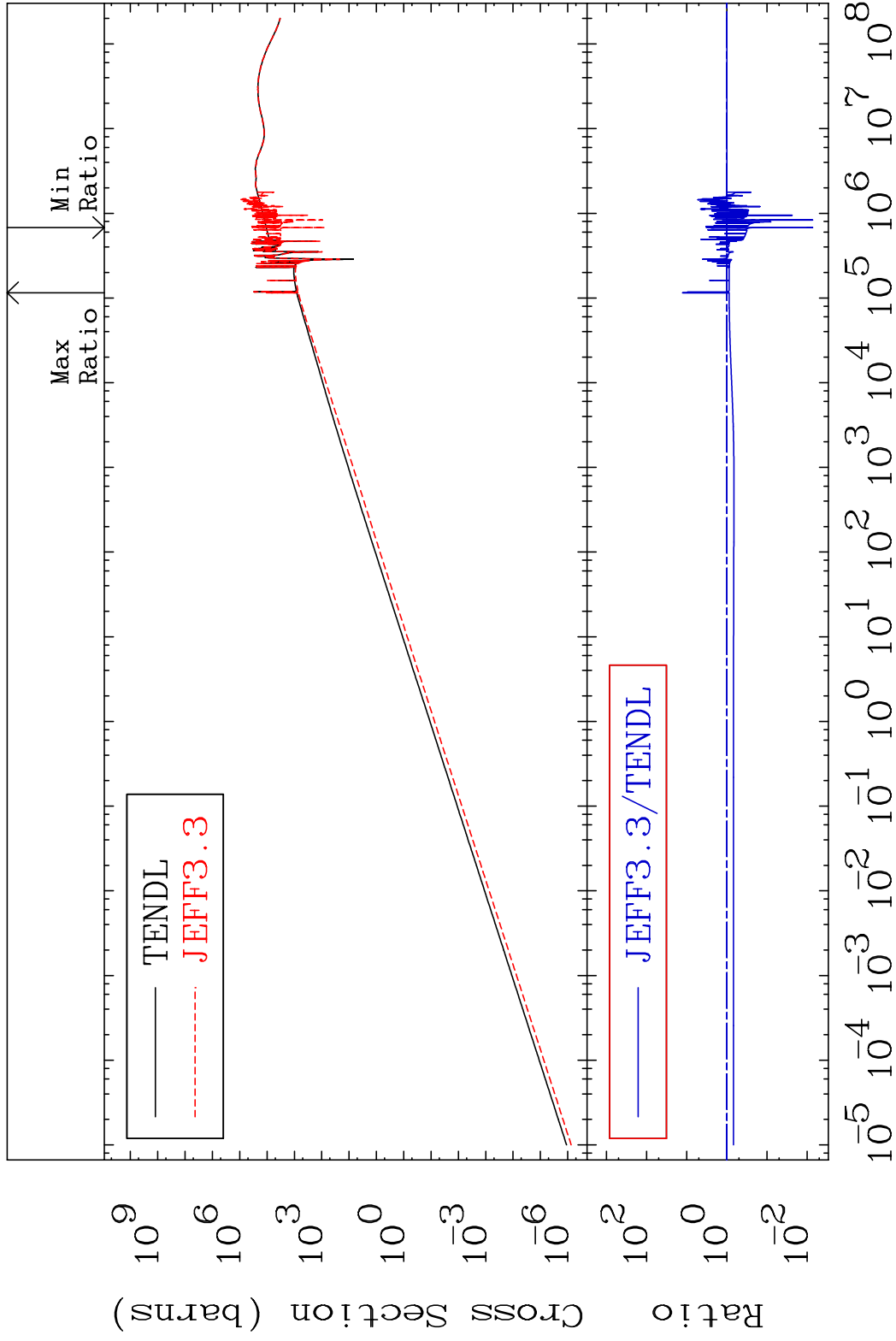


65 Incident Energy (eV) 16-S -34

MAT 1631

Kerma elastic  
Cross Section

16-S -34  
-99.27 To 1180. %

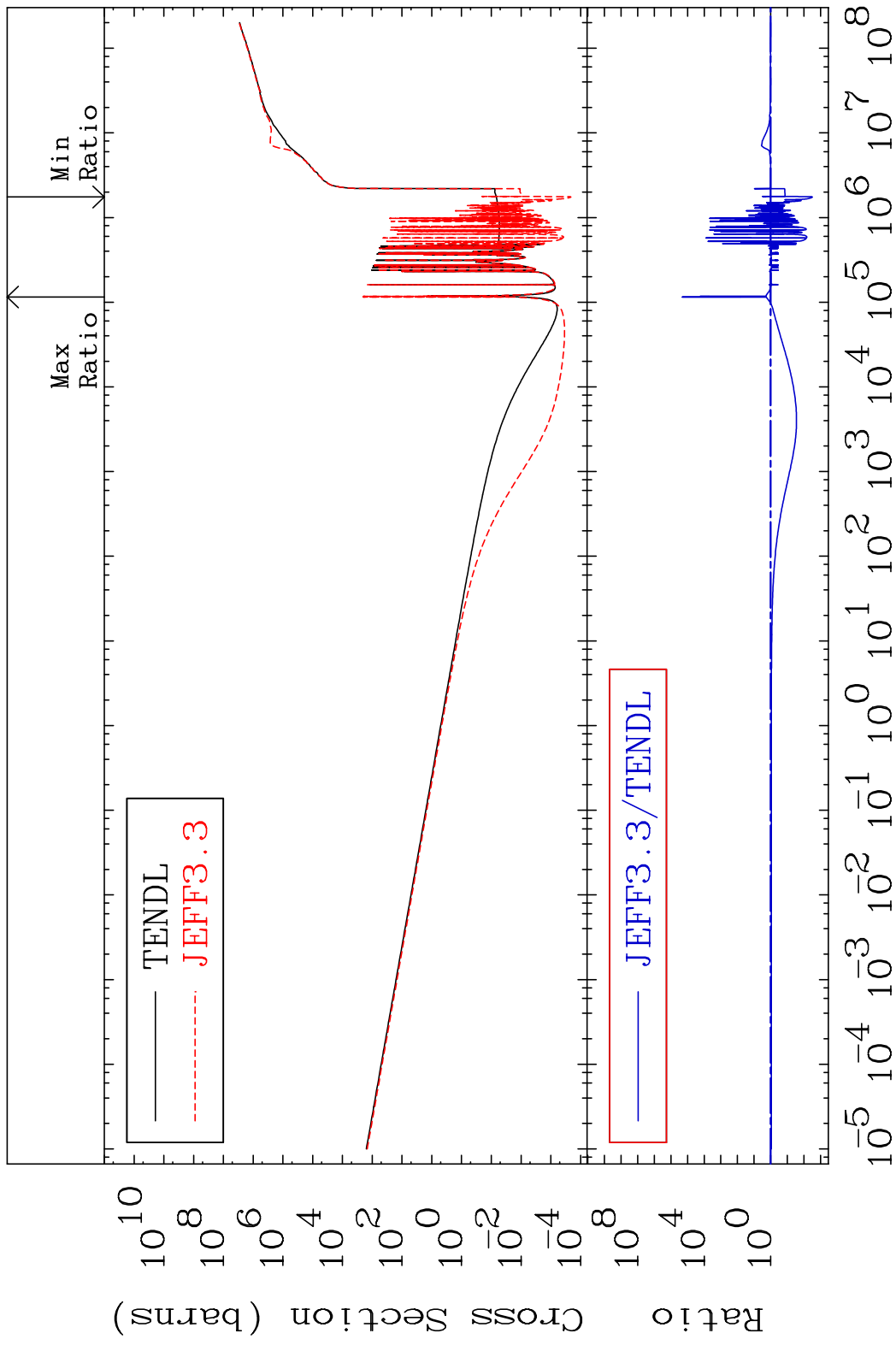


66

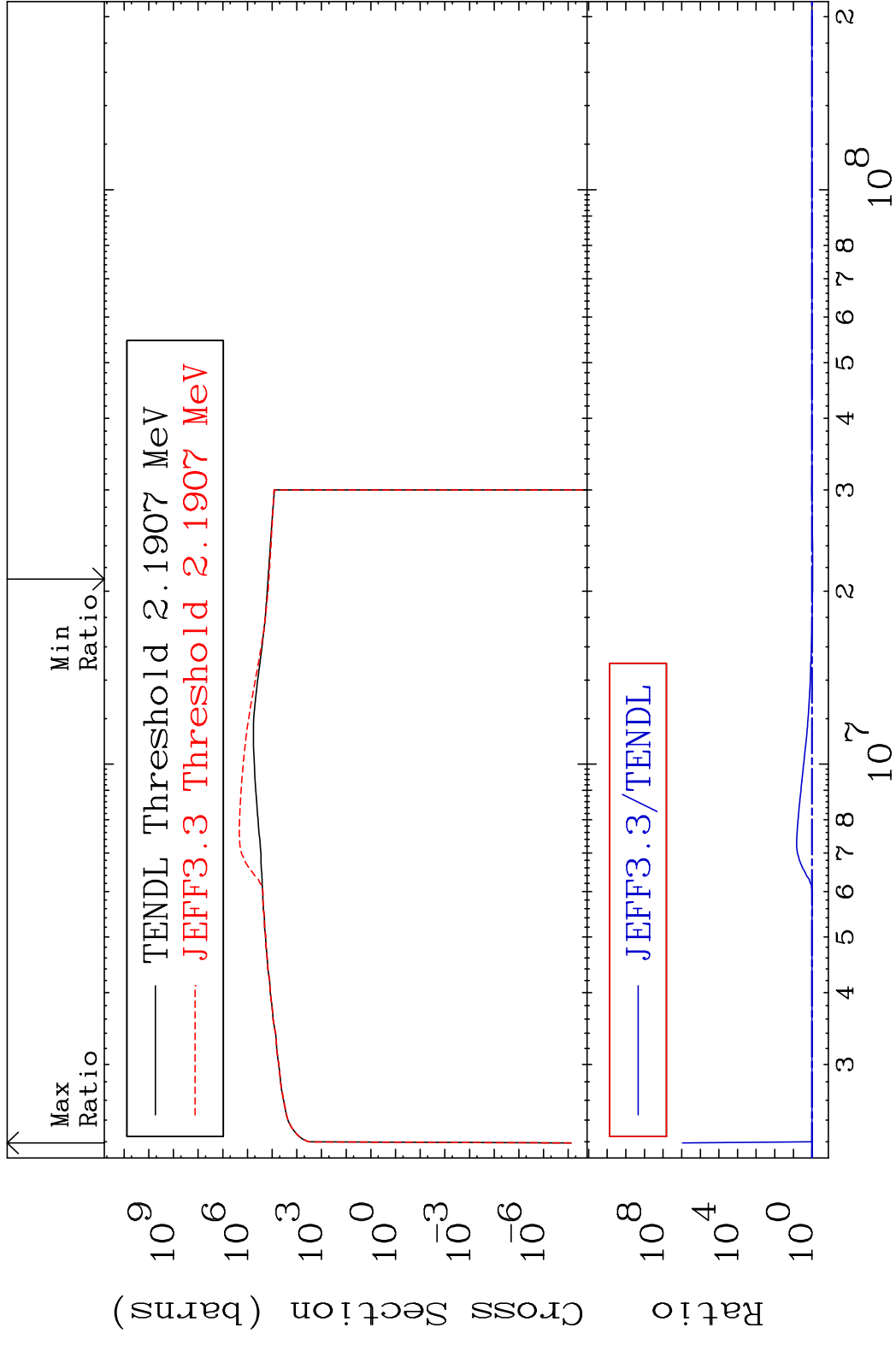
Incident Energy (eV)

16-S -34

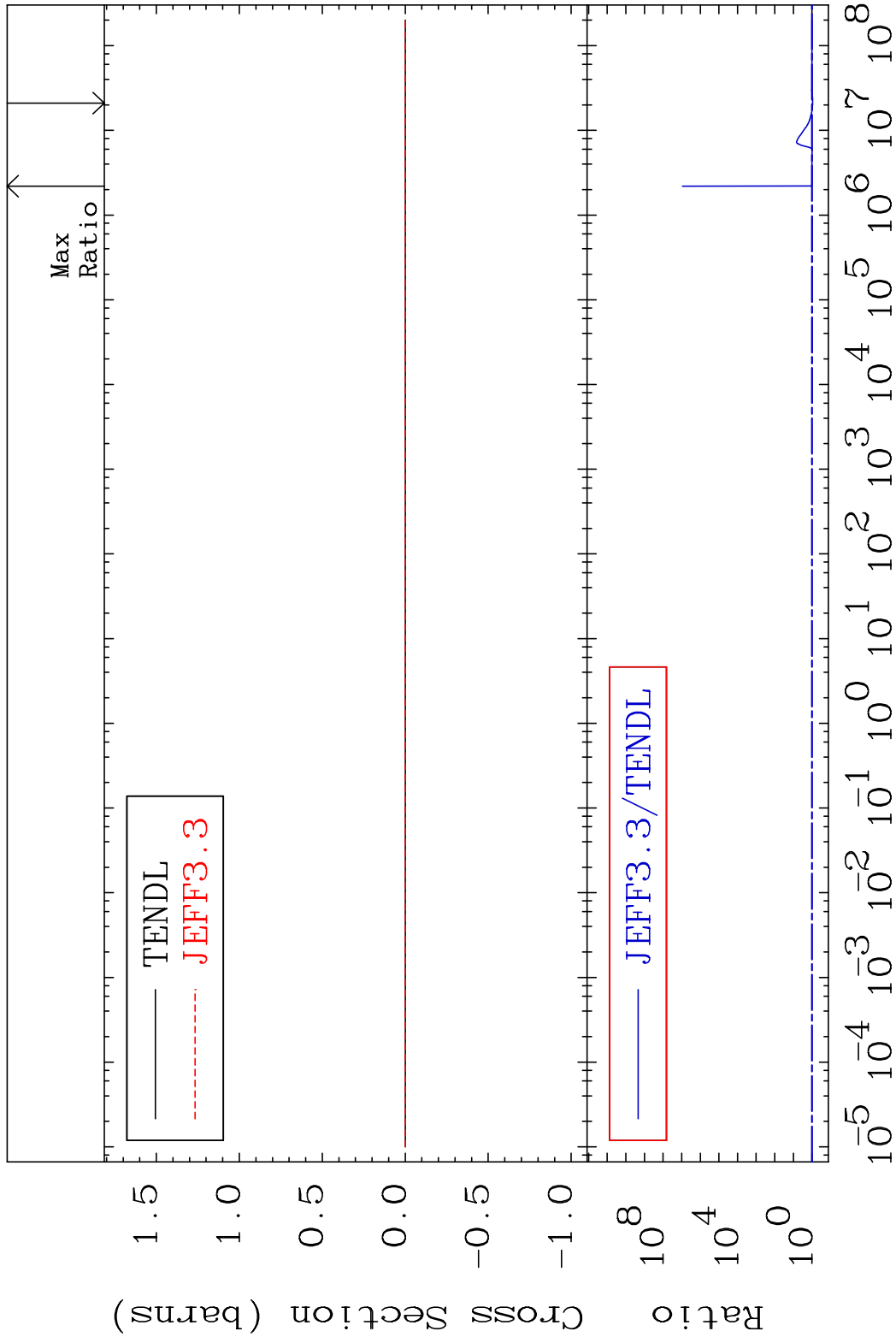
MAT 1631 Kerma non-elastic (all but mt2) 16-S -34  
 Cross Section -99.69 To 9999. %



MAT 1631 Kerma inelastic (mt51-91) 16-S -34  
 Cross Section -6.827 To 9999. %

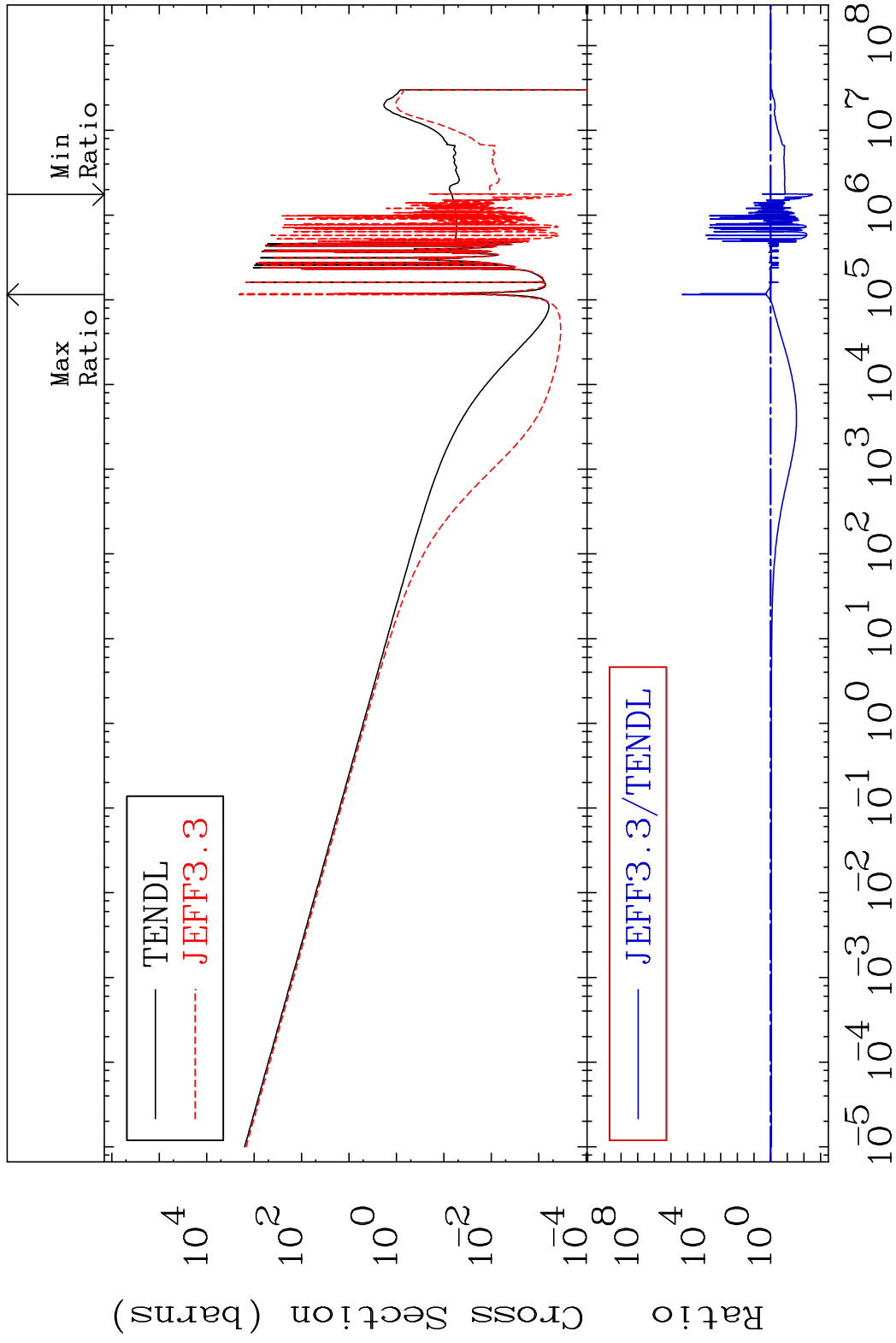


MAT 1631 Kerma fission (mt18 or mt19-20-21-38) 16-S -34  
 Cross Section -6.827 To 9999. %



MAT 1631

Kerma capture (mt102) 16-S -34  
Cross Section -99.69 To 9999. %

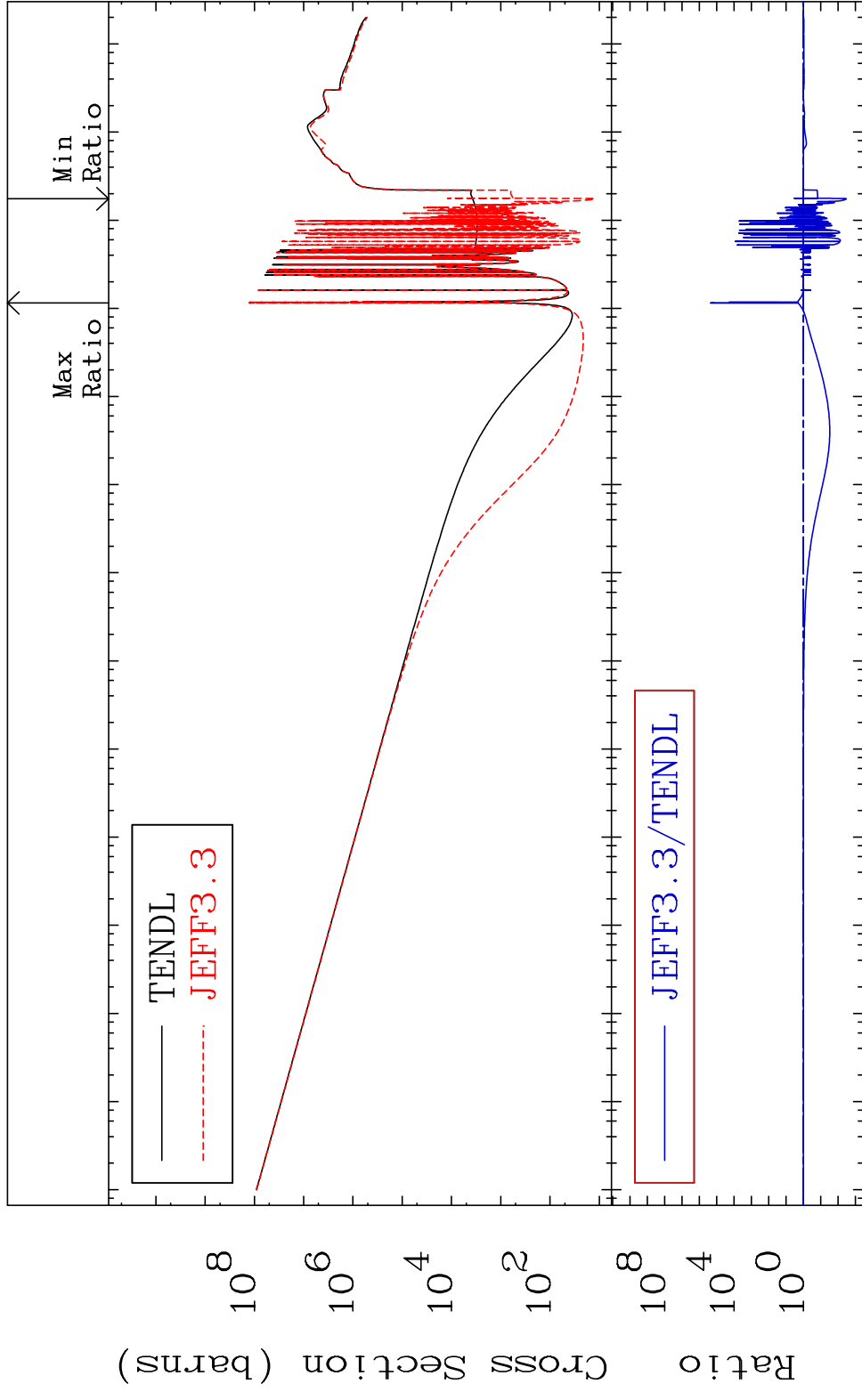


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Incident Energy (eV)

16-S -34

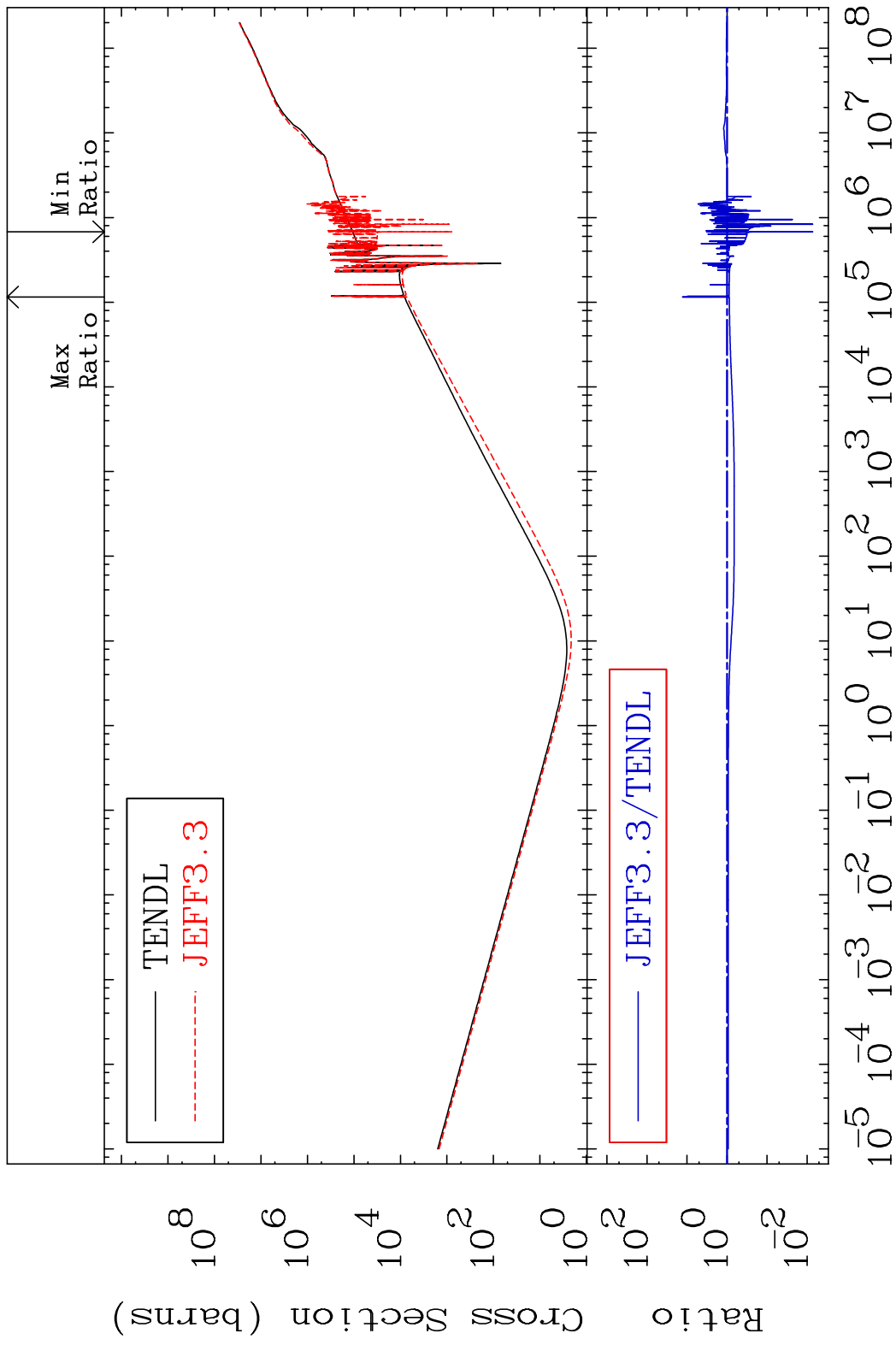
MAT 1631 Total photon (eV-barns) 16-S -34  
 Cross Section -99.67 To 9999. %



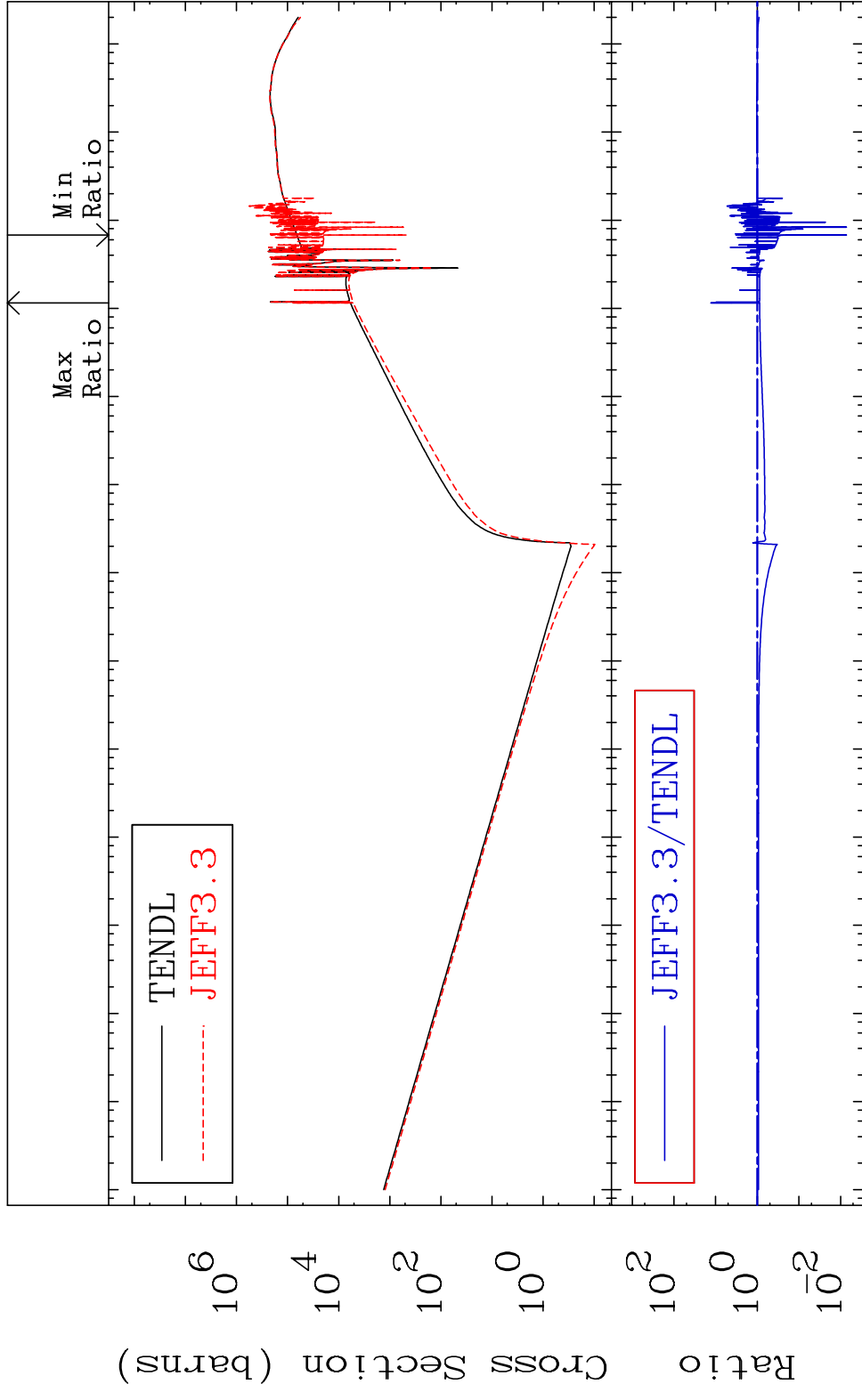
71 Incident Energy (eV) 16-S -34



MAT 1631 Total kinematic kerma (high limit) 16-S -34  
 Cross Section -99.27 To 1205. %



MAT 1631      Dpa total (eV-barns)      16-S -34  
 Cross Section      -99.27 To 1209. %



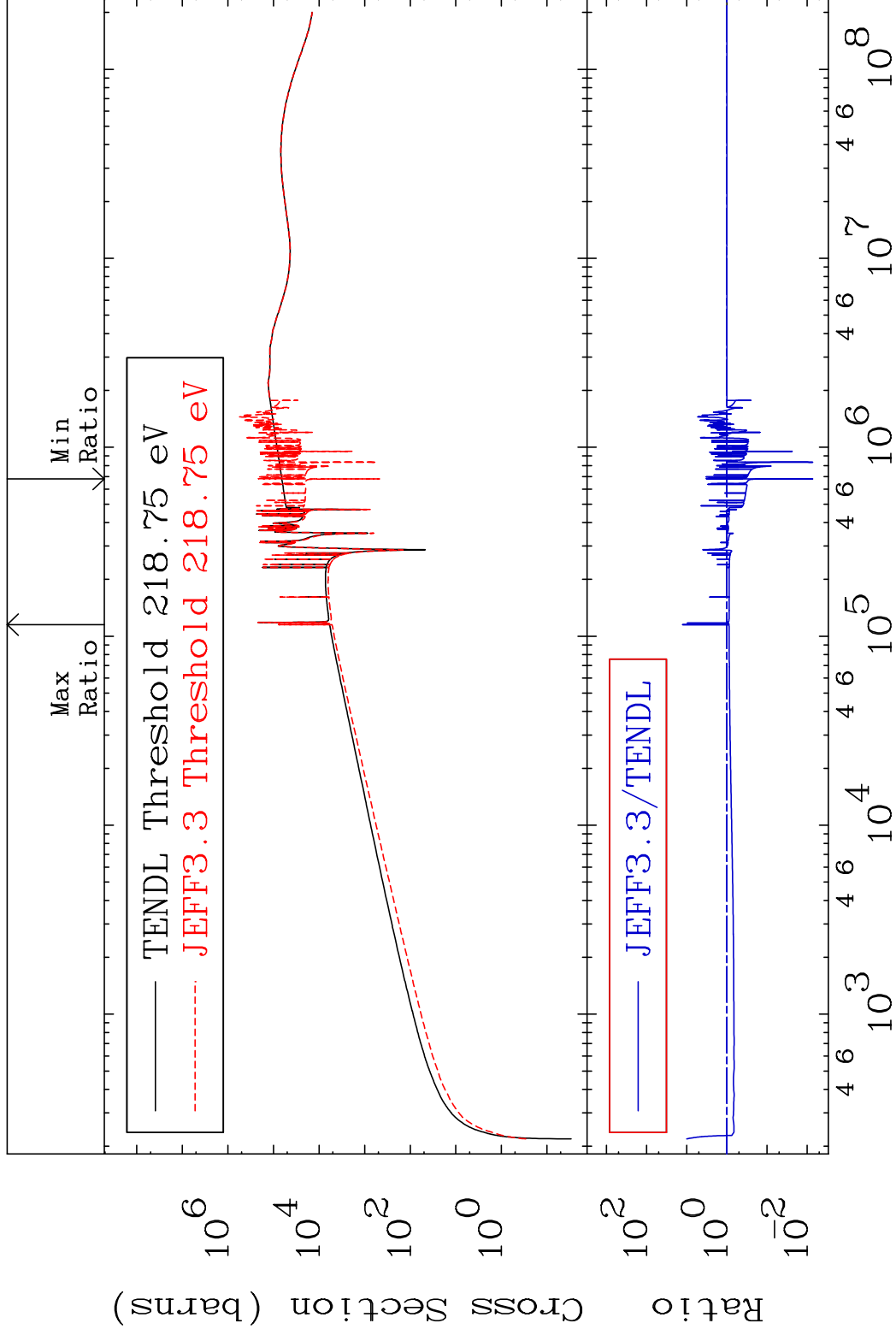
73      Incident Energy (eV)      16-S -34

MAT 1631

Dpa elastic (mt2)

16-S -34

Cross Section -99.27 To 1180. %

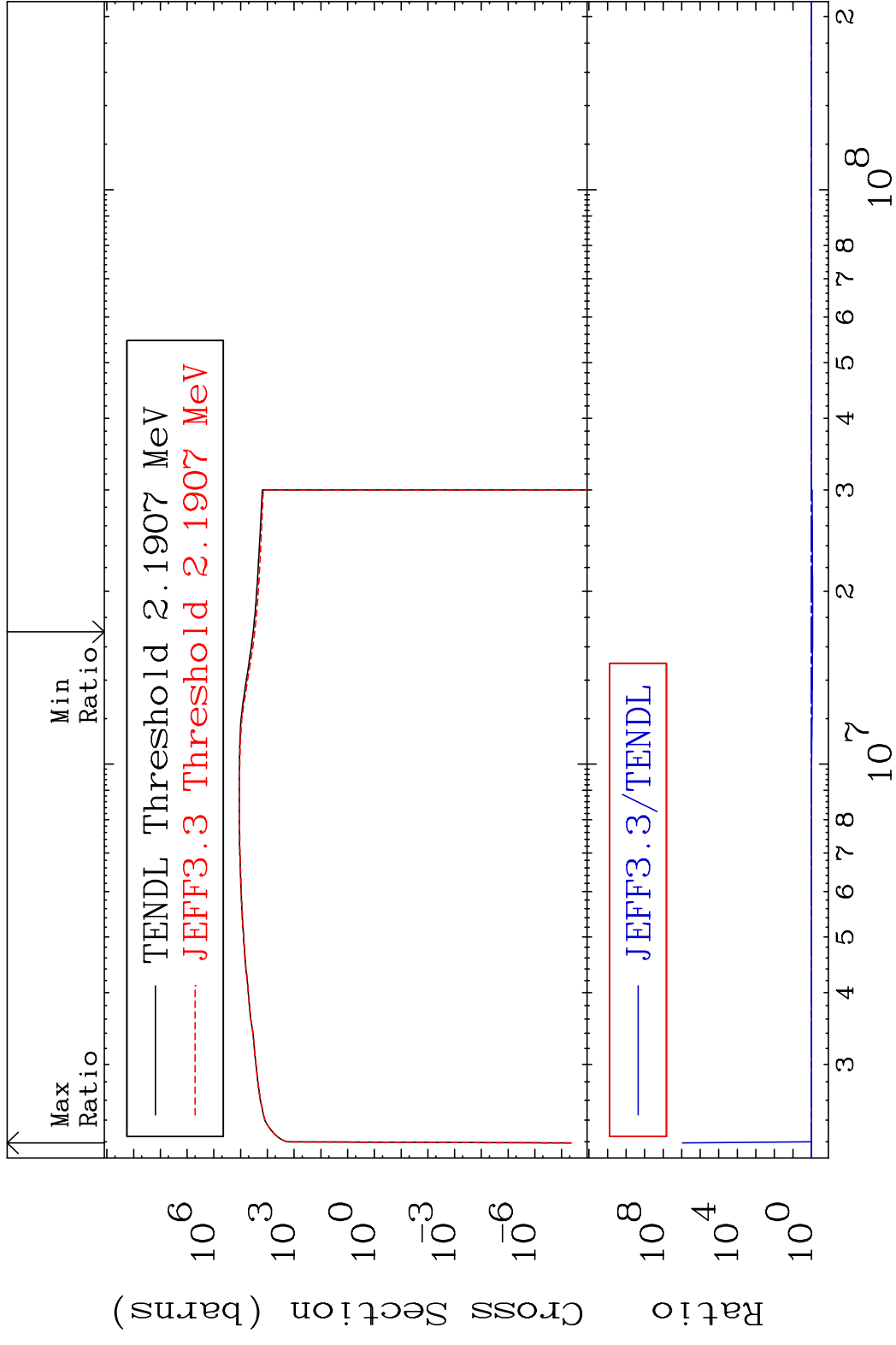


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Incident Energy (eV)

16-S -34

MAT 1631      Dpa inelastic (mt51-91)      16-S -34  
 Cross Section      -12.90 To 9999. %



MAT 1631 Dpa disappearance (mt102 -120) 16-S -34  
 Cross Section -99.69 To 9999. %

