

Program Complot  
(Version 2021-1)

by

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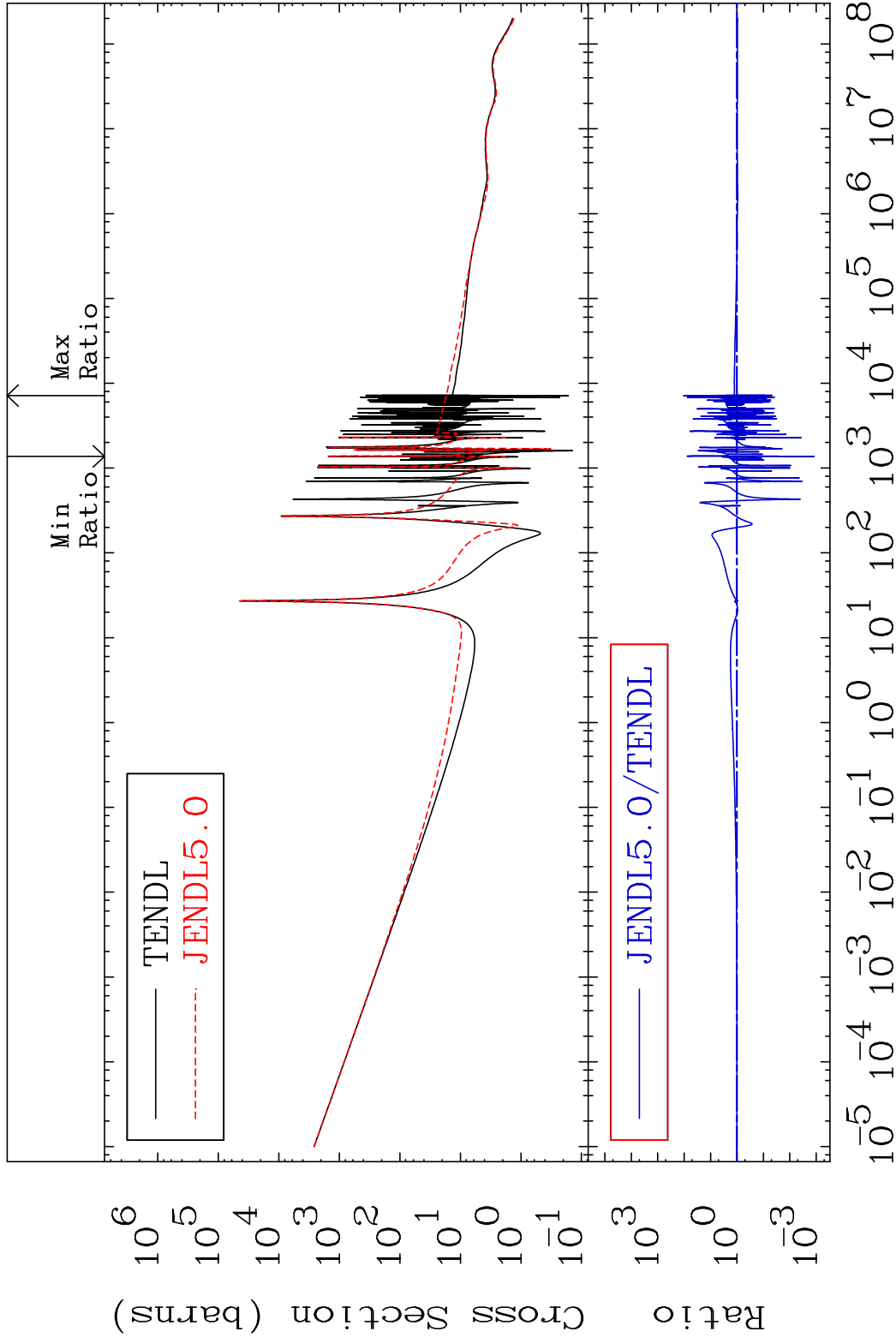
Press Mouse Button to Start

MAT 3425

Total

34-Se-74

Cross Section -99.88 To 9999. %



1

Incident Energy (eV)

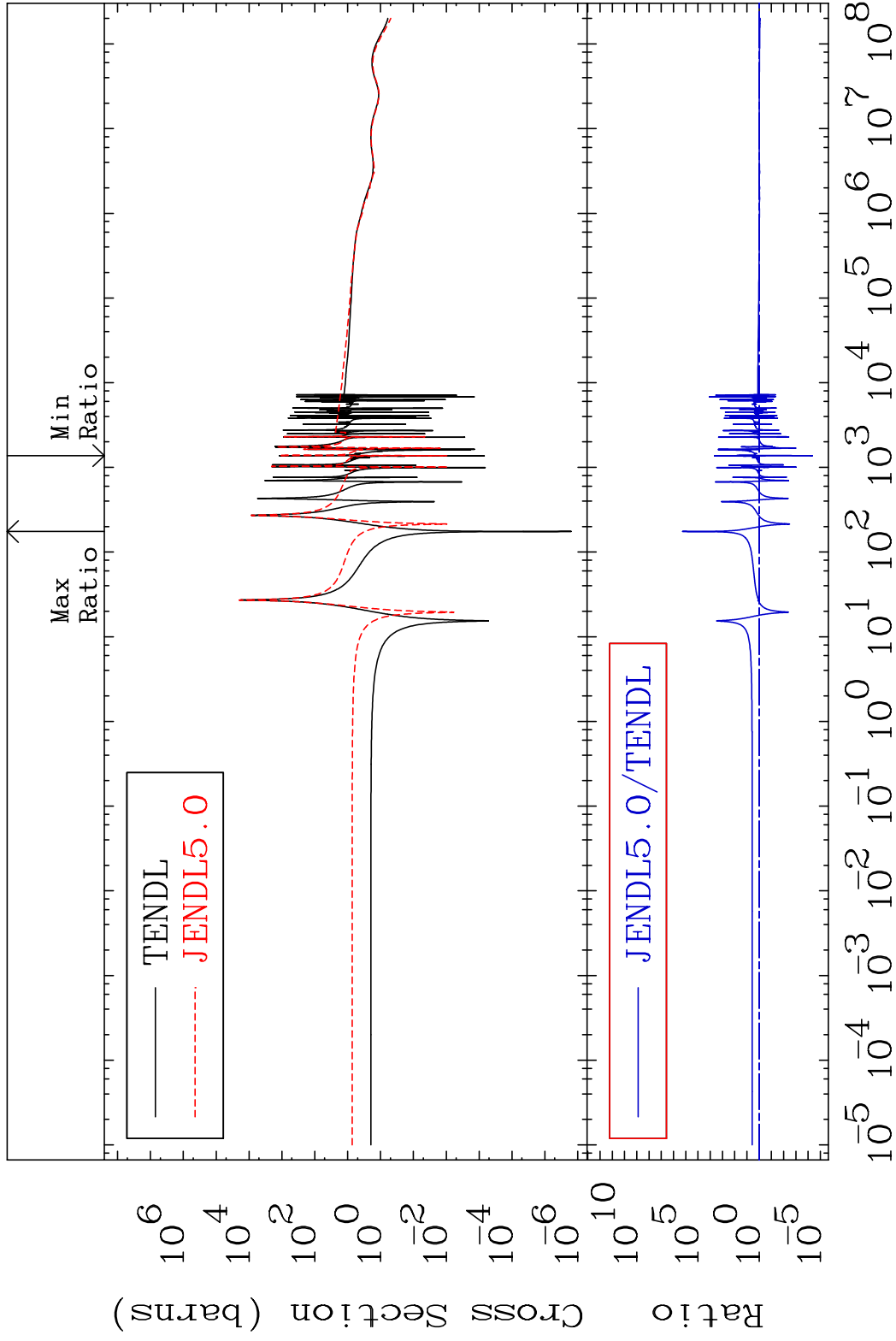
34-Se-74

MAT 3425

Elastic

34-Se-74

Cross Section -100.0 To 9999. %

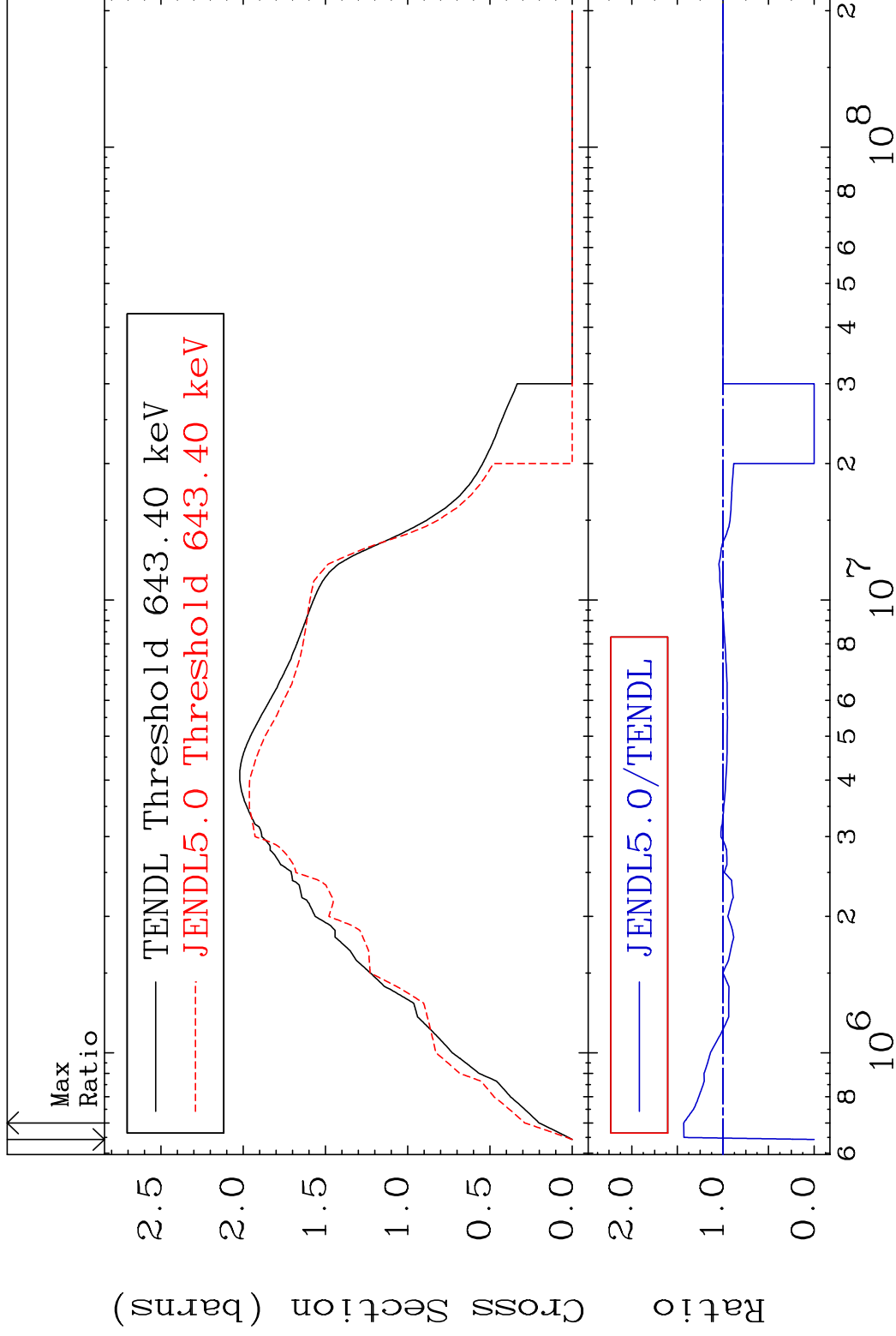


MAT 3425

Inelastic

<sup>34</sup>Se-74

Cross Section -100.0 To 43.14 %



3

Incident Energy (eV)

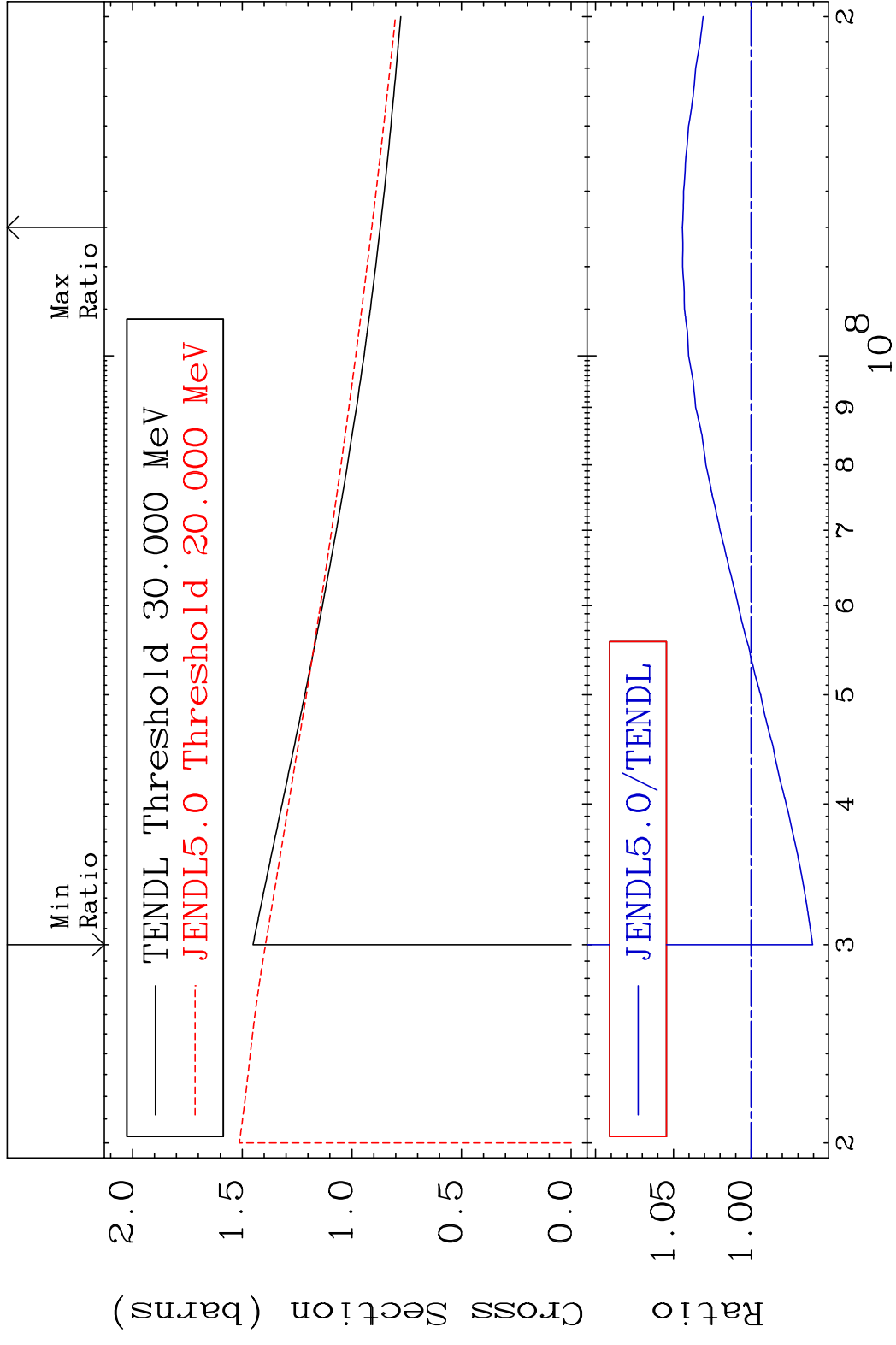
<sup>34</sup>Se-74

MAT 3425

(n, remainder)

34-Se-74

Cross Section -3.939 To 4.425 %

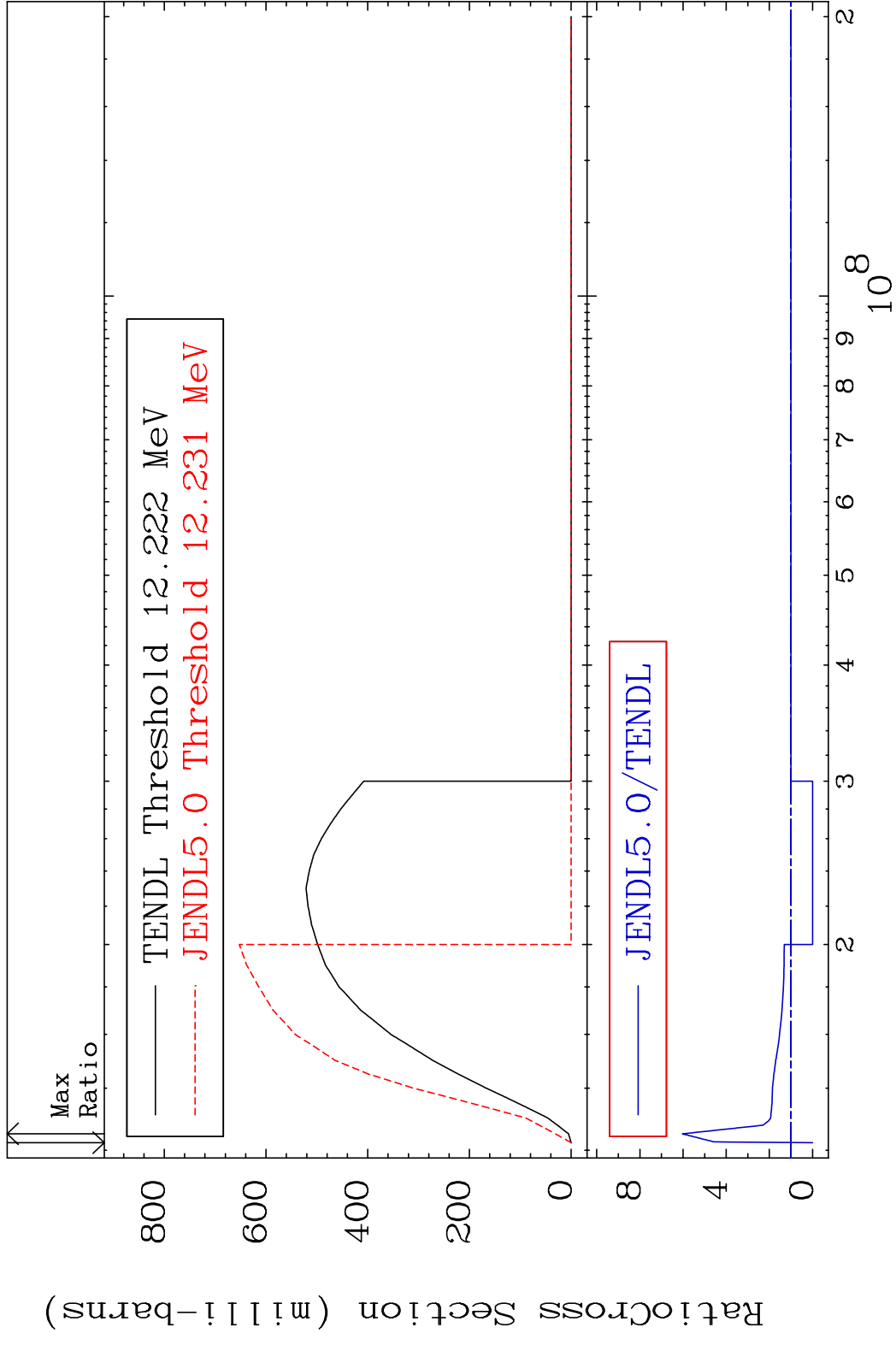


4

Incident Energy (eV)

34-Se-74

MAT 3425 (n,2n) 34-Se-74  
 Cross Section -100.0 To 503.2 %



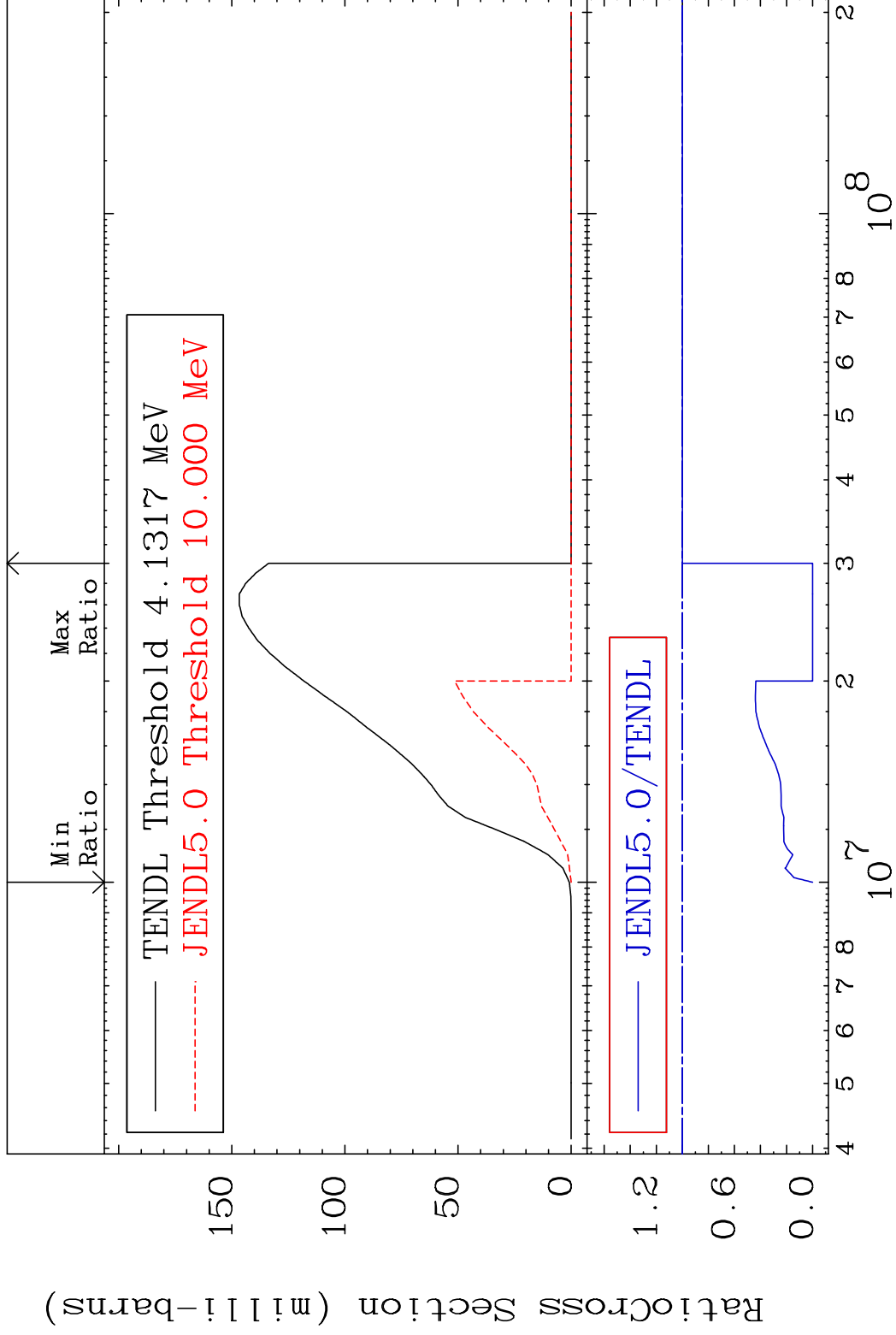
5 Incident Energy (eV) 34-Se-74

MAT 3425

(n, n')  $\alpha$

34-Se-74

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

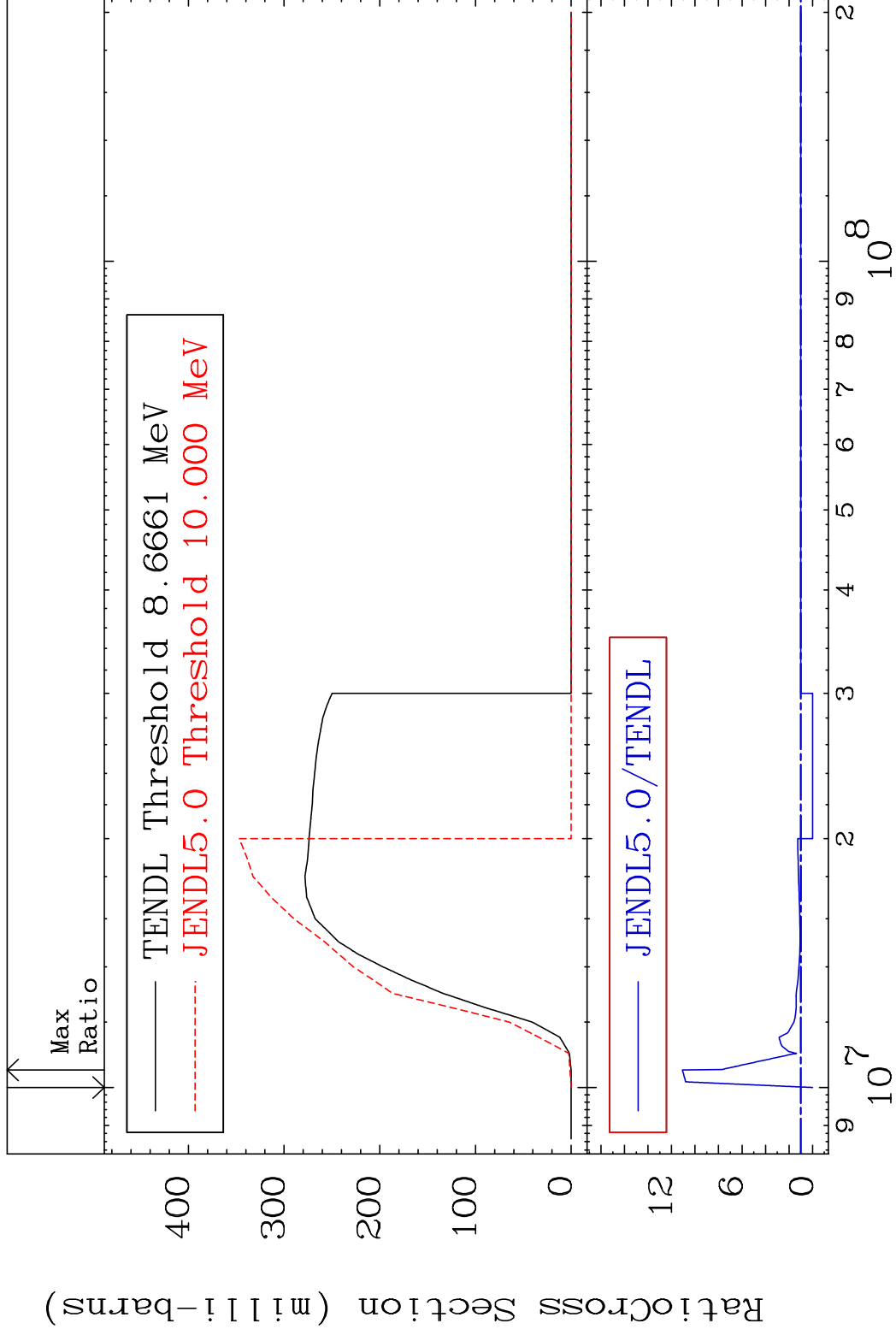
34-Se-74

MAT 3425

(n, n') p

<sup>34</sup>Se-74

Cross Section -100.0 To 1008. %



7

Incident Energy (eV)

<sup>34</sup>Se-74

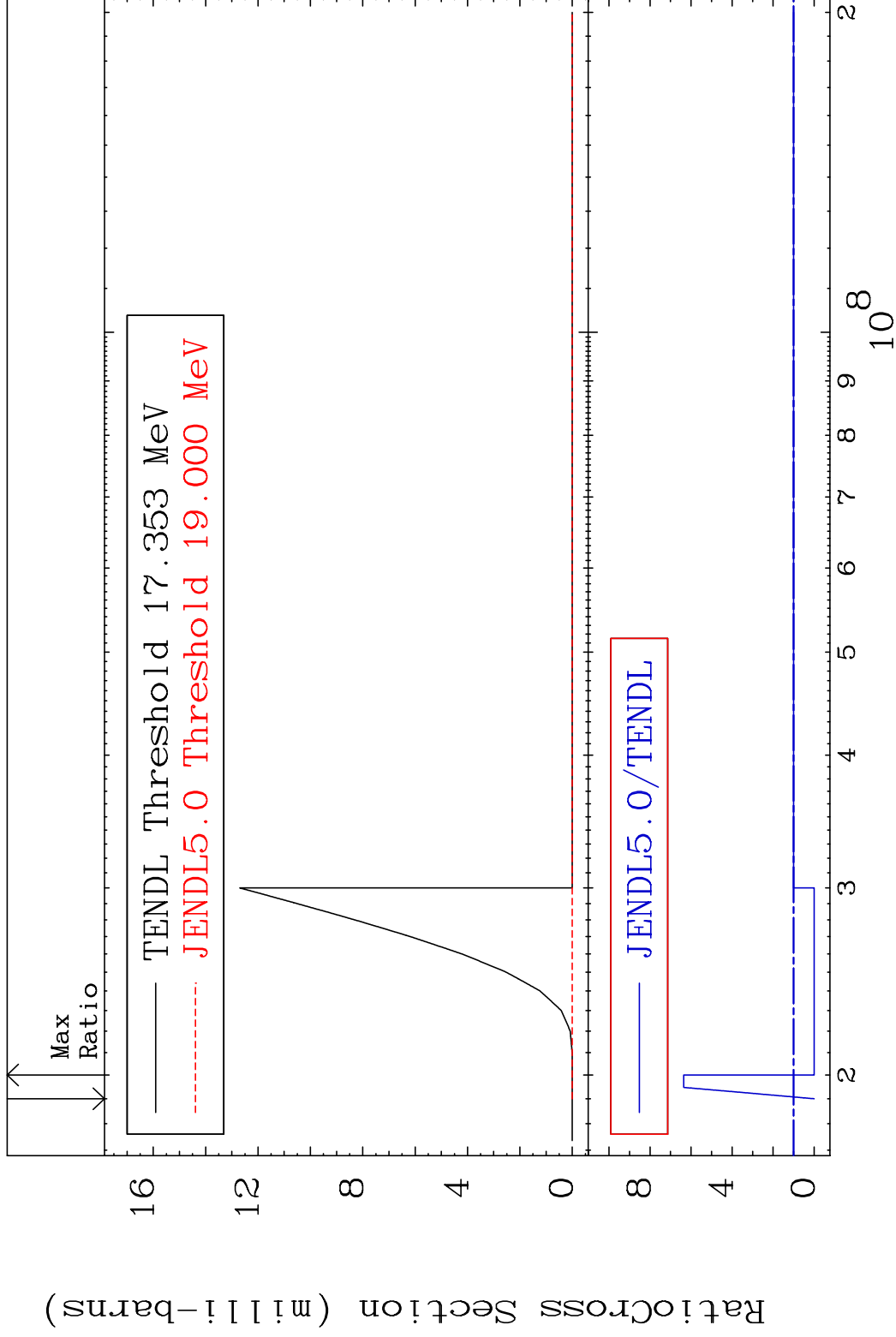


MAT 3425

(n, n') d

<sup>34</sup>Se-74

Cross Section -100.0 To 536.1 %

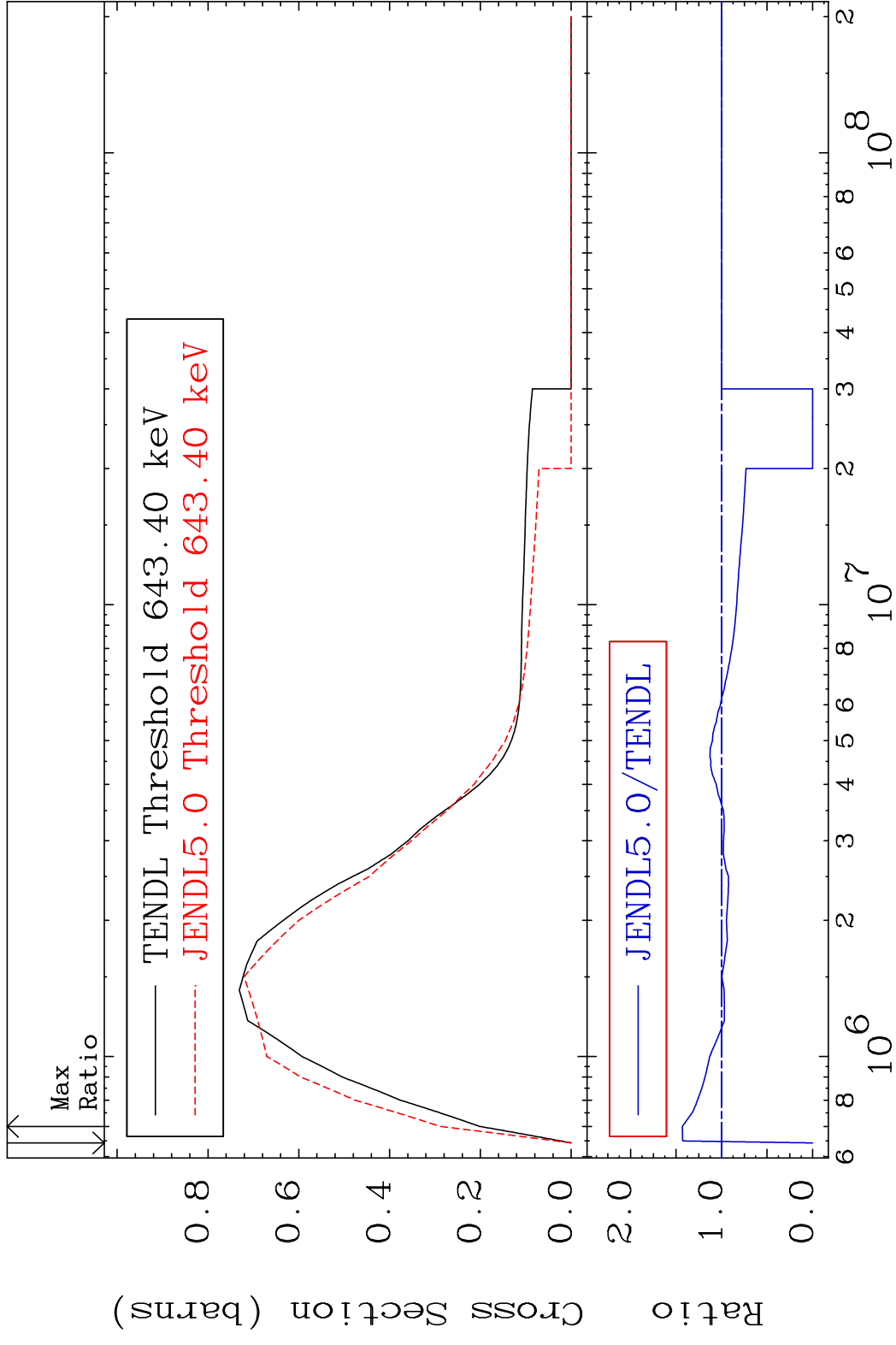


8

Incident Energy (eV)

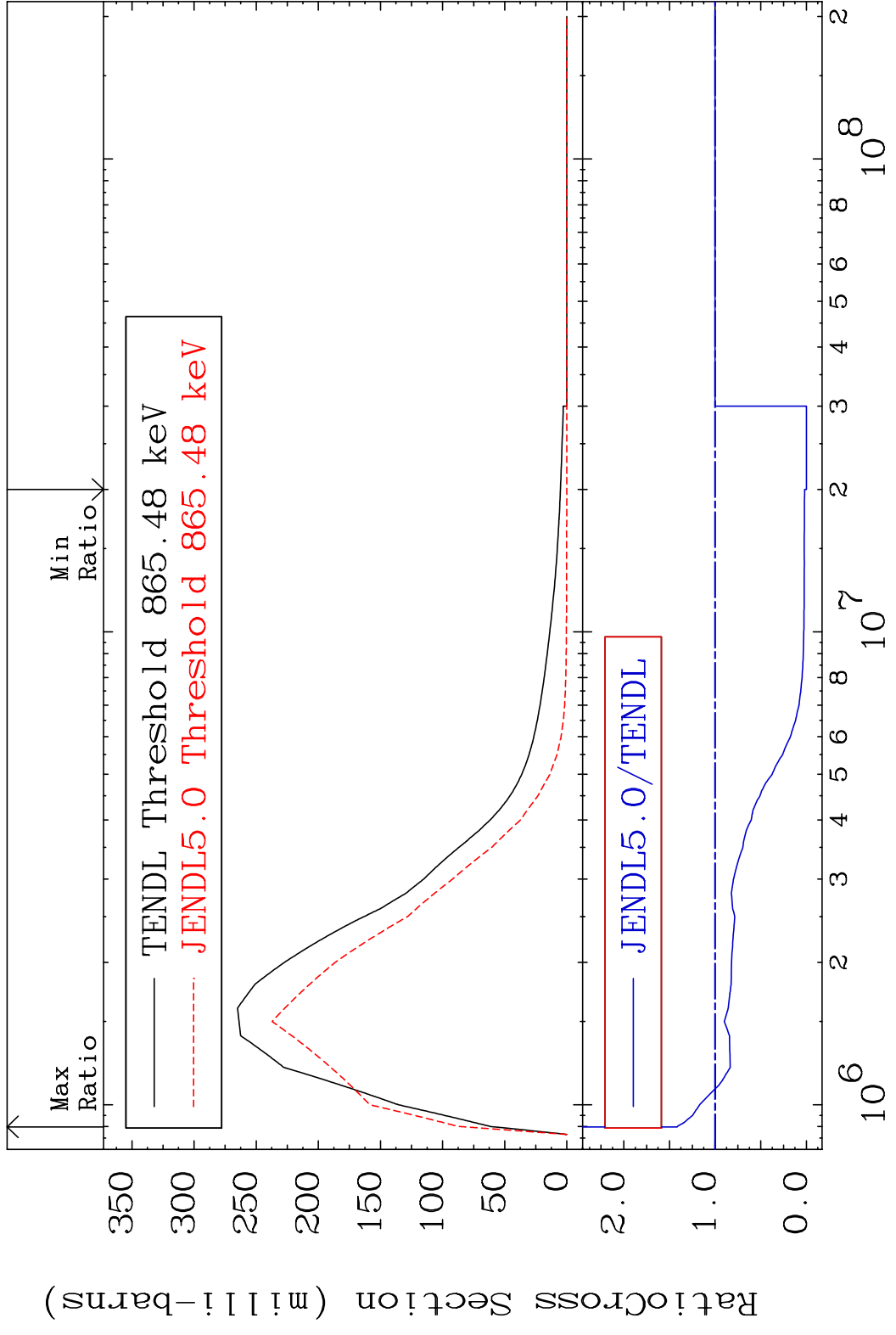
<sup>34</sup>Se-74

MAT 3425 MT= 51 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 43.14 %



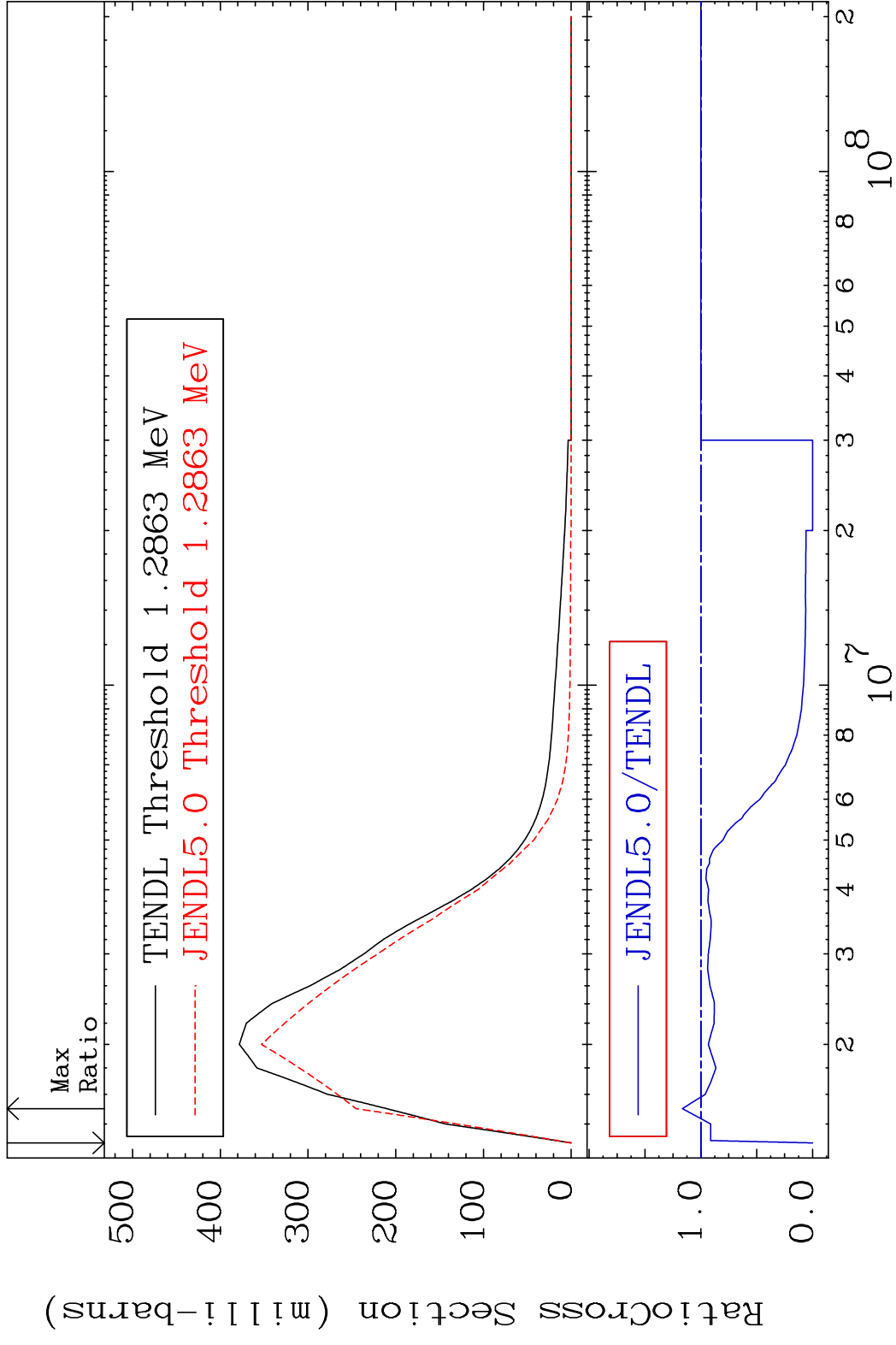
9 Incident Energy (eV) 34-Se-74

MAT 3425 MT= 52 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 41.56 %

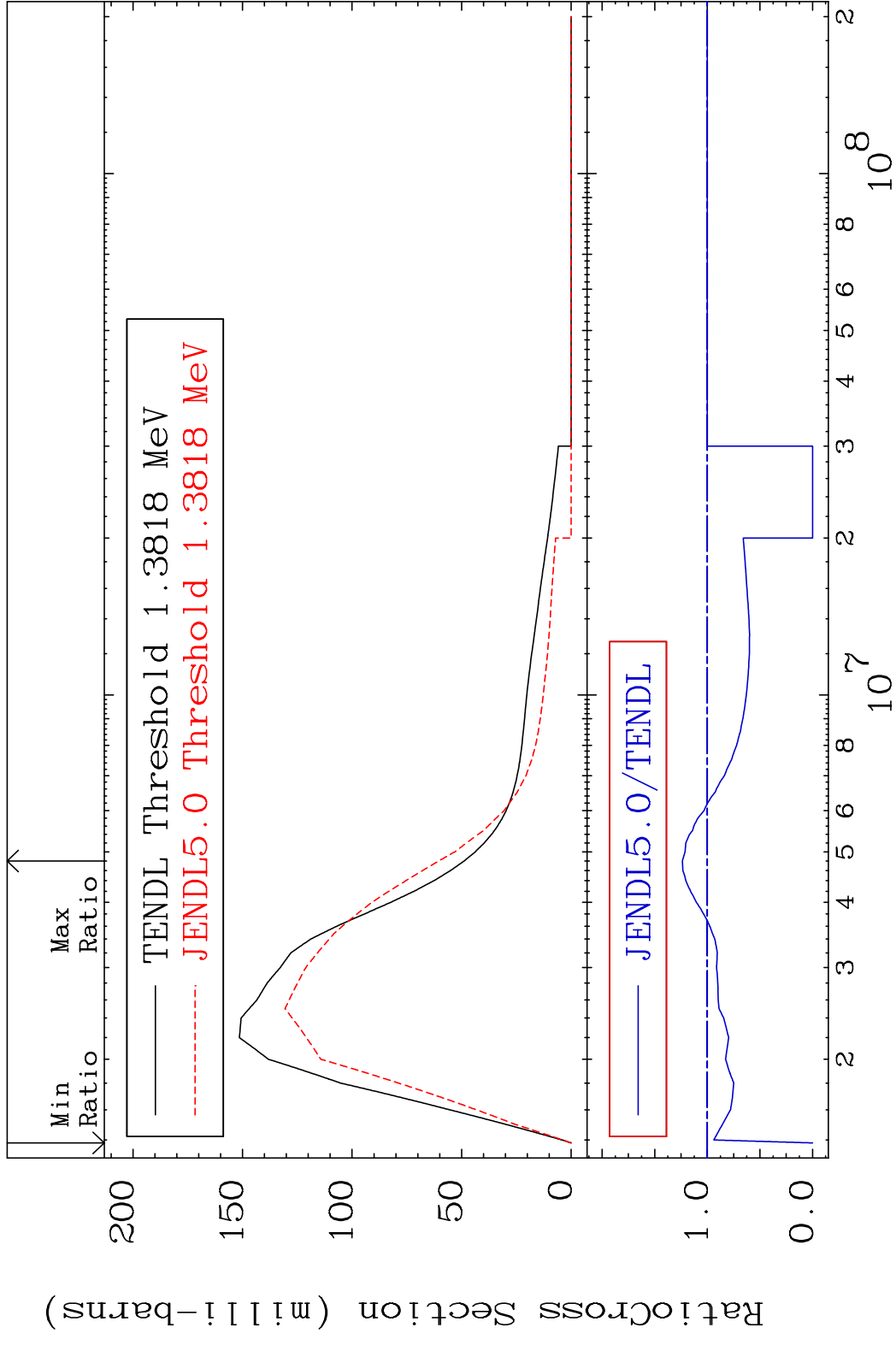


10 10<sup>6</sup> 2 3 4 5 6 8 10<sup>7</sup> 2 3 4 5 6 8 10<sup>8</sup> 34-Se-74

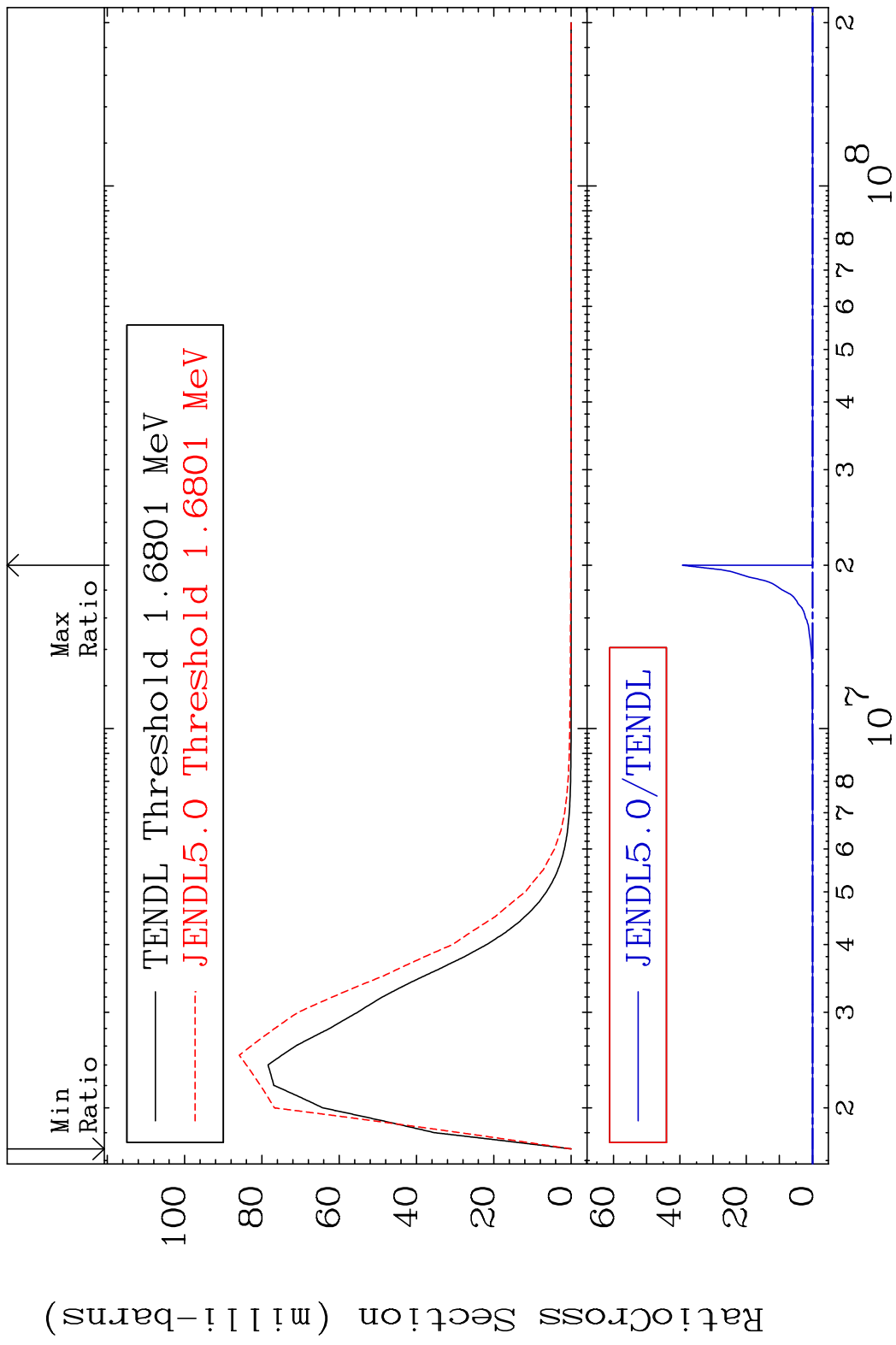
MAT 3425 MT= 53 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 16.58 %



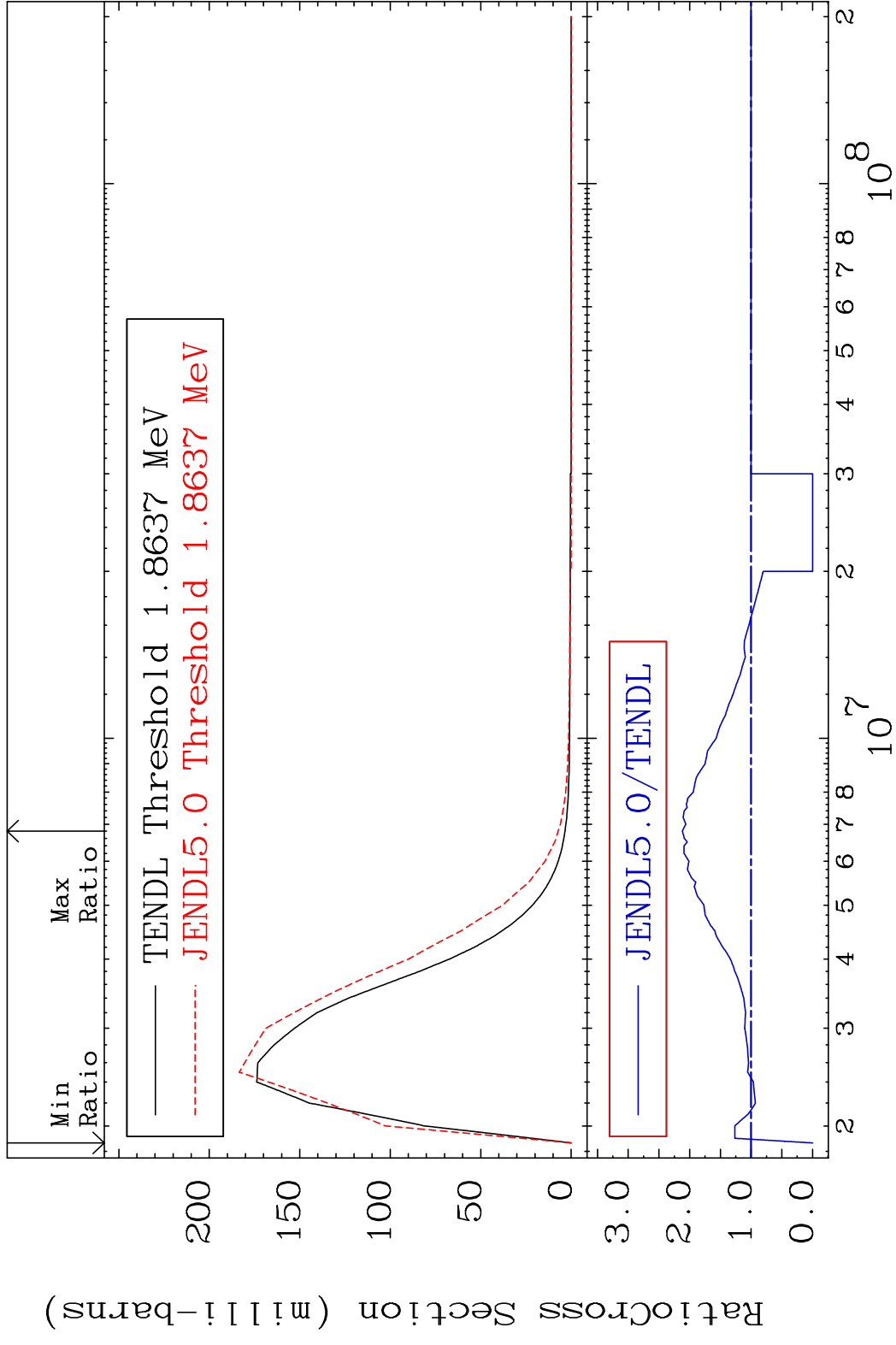
MAT 3425 MT= 54 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 23.76 %



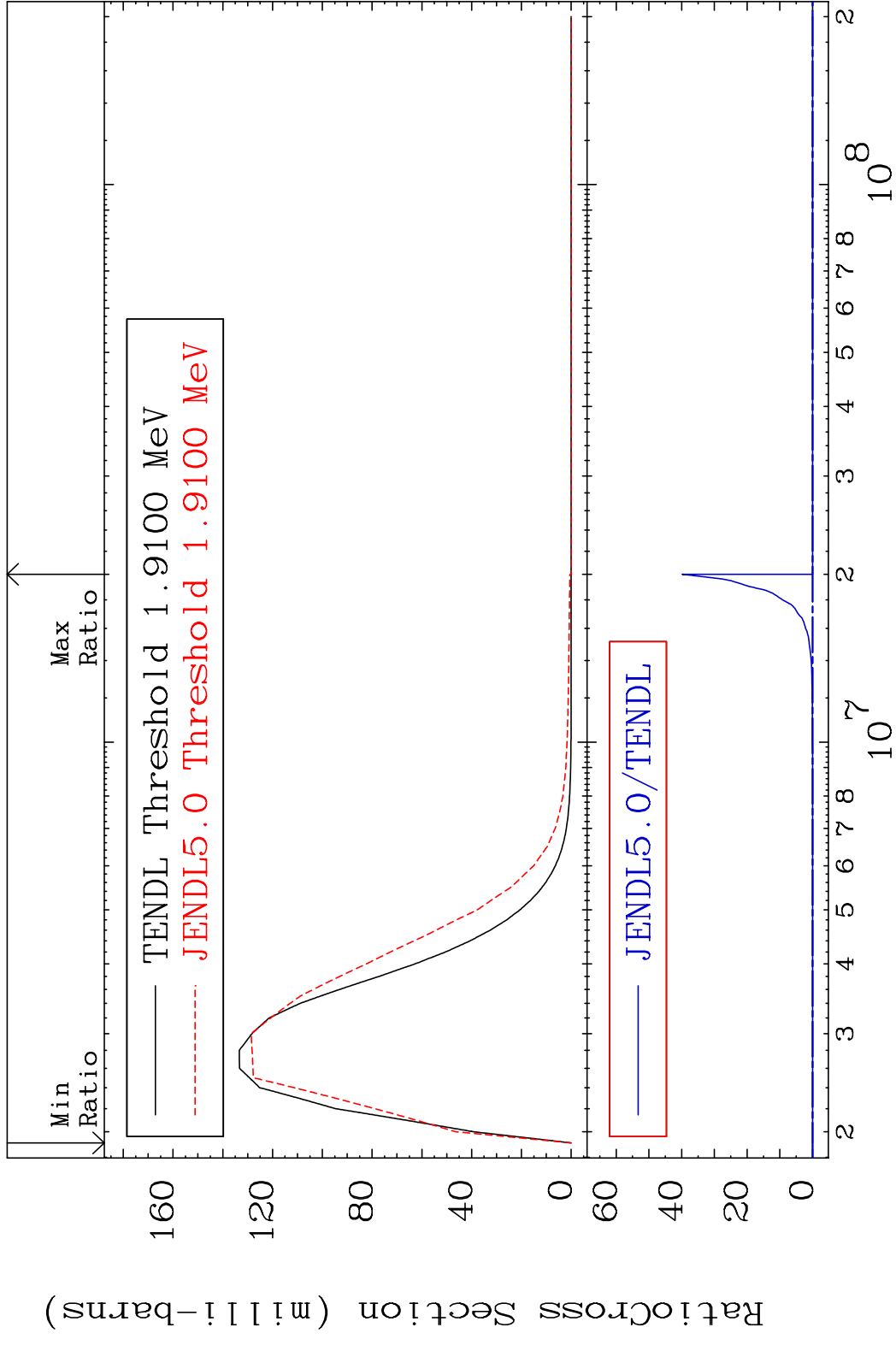
MAT 3425 MT= 55 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 9999. %



MAT 3425 MT= 56 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 111.9 %



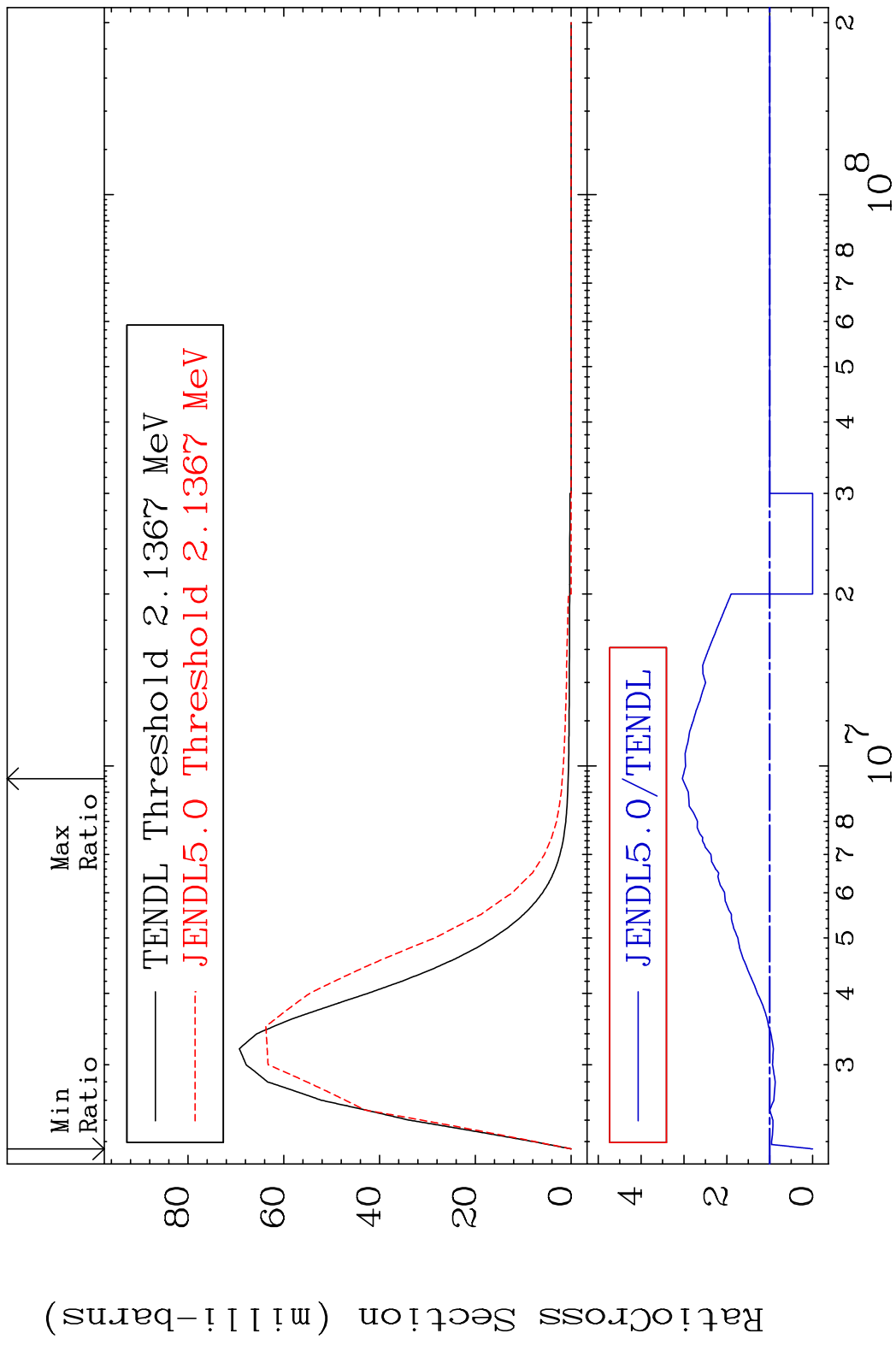
MAT 3425 MT= 57 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 9999. %



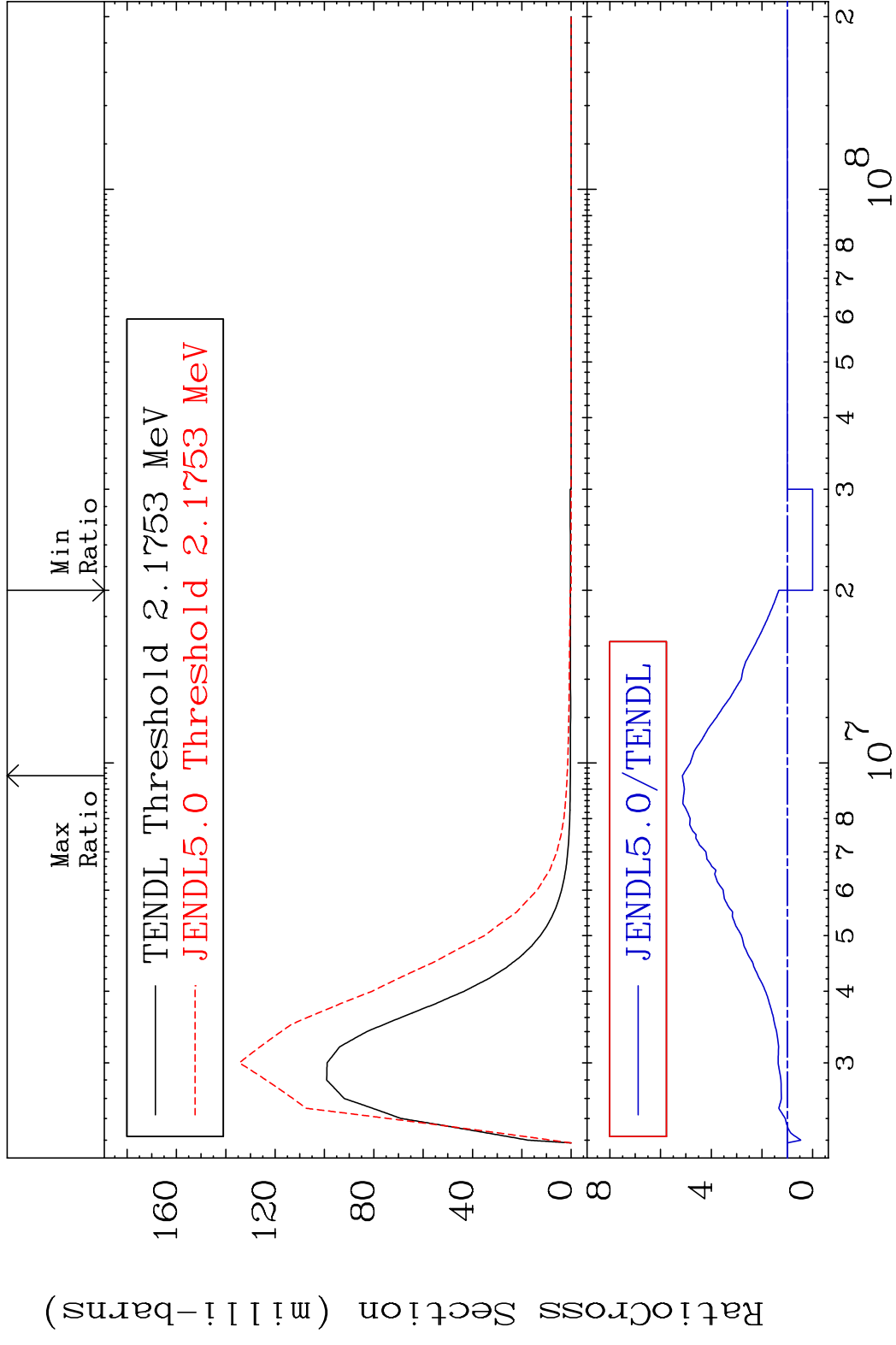
15 34-Se-74



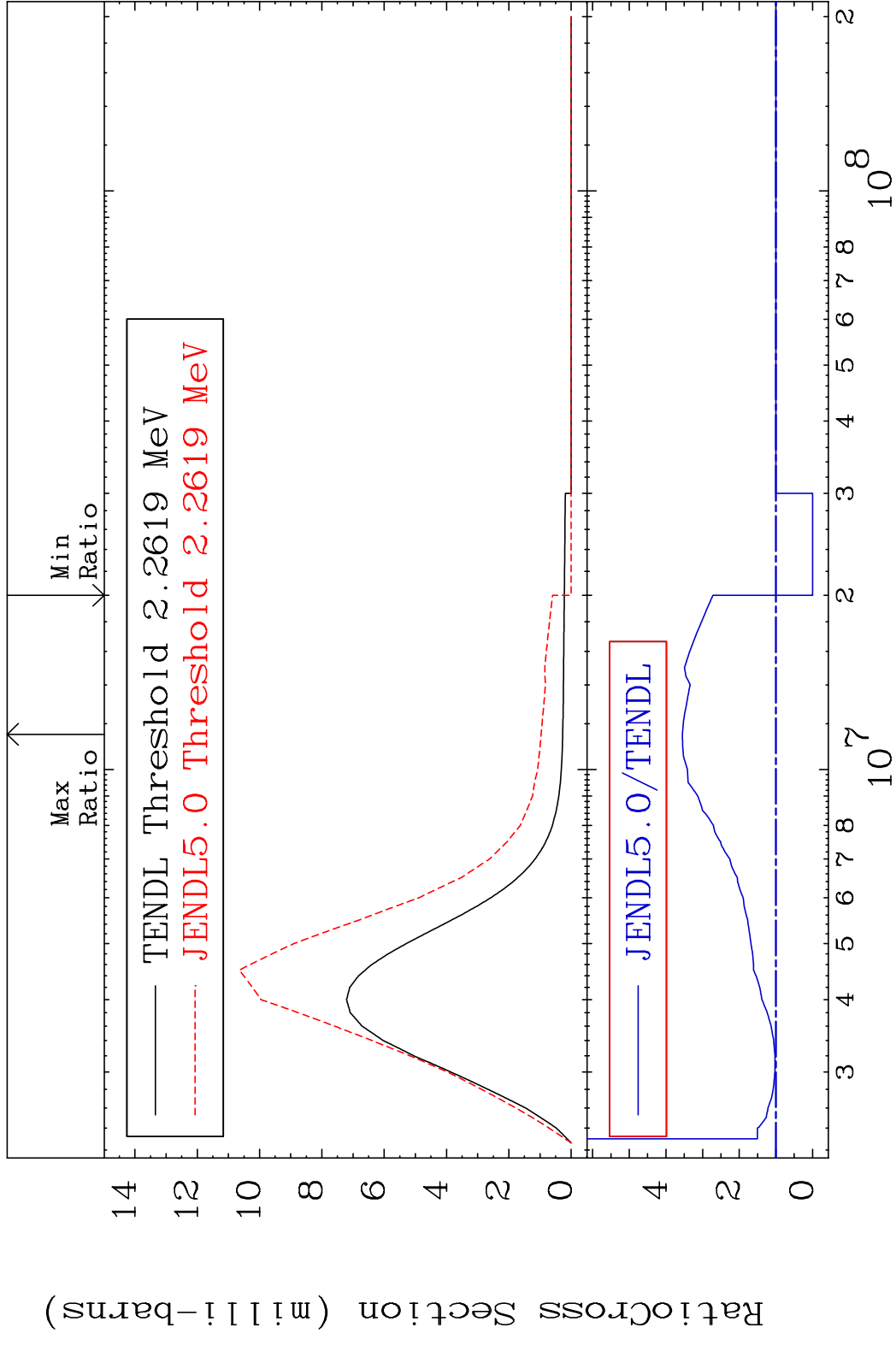
MAT 3425 MT= 58 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 203.8 %



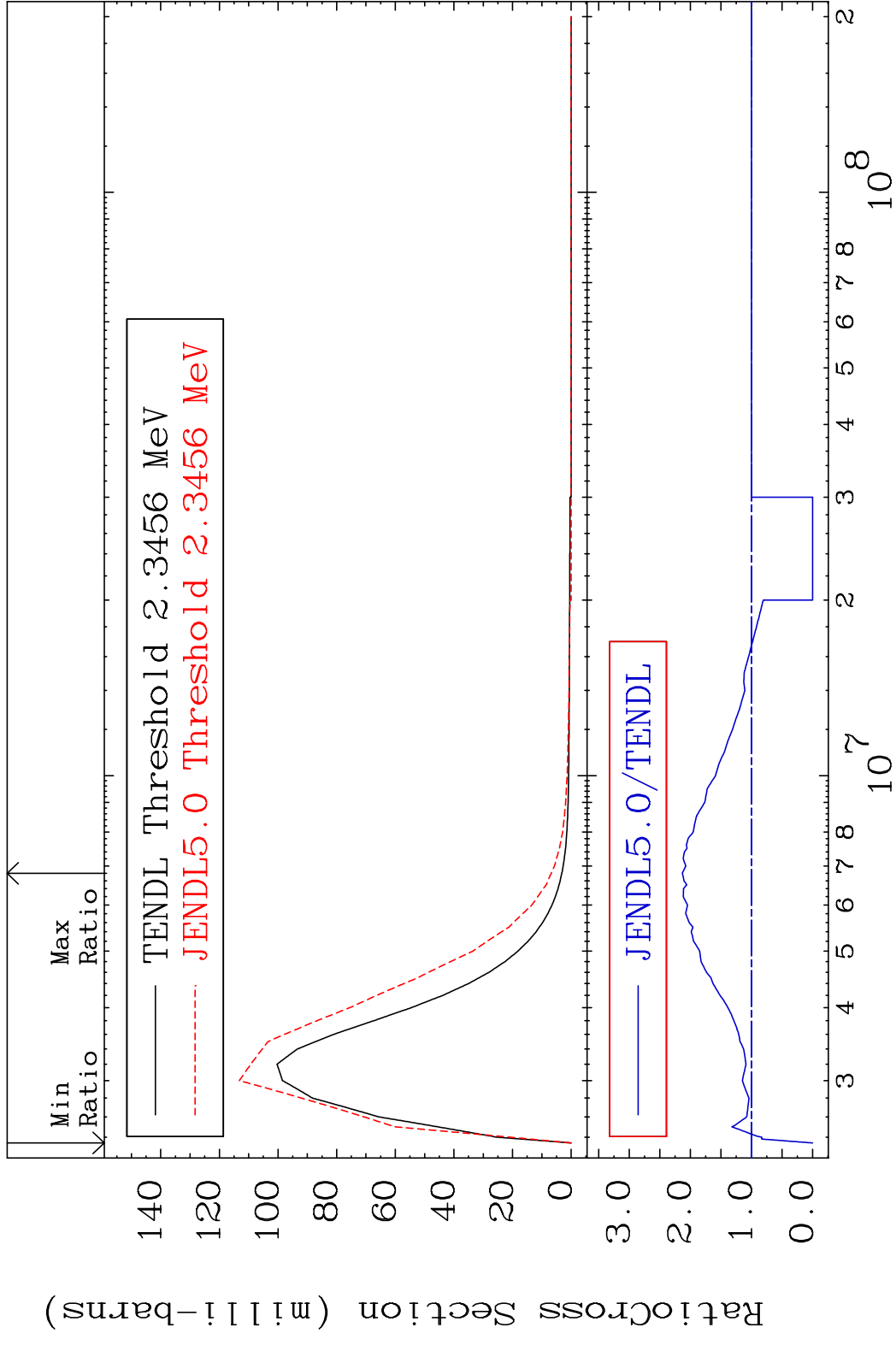
MAT 3425 MT= 59 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 414.1 %



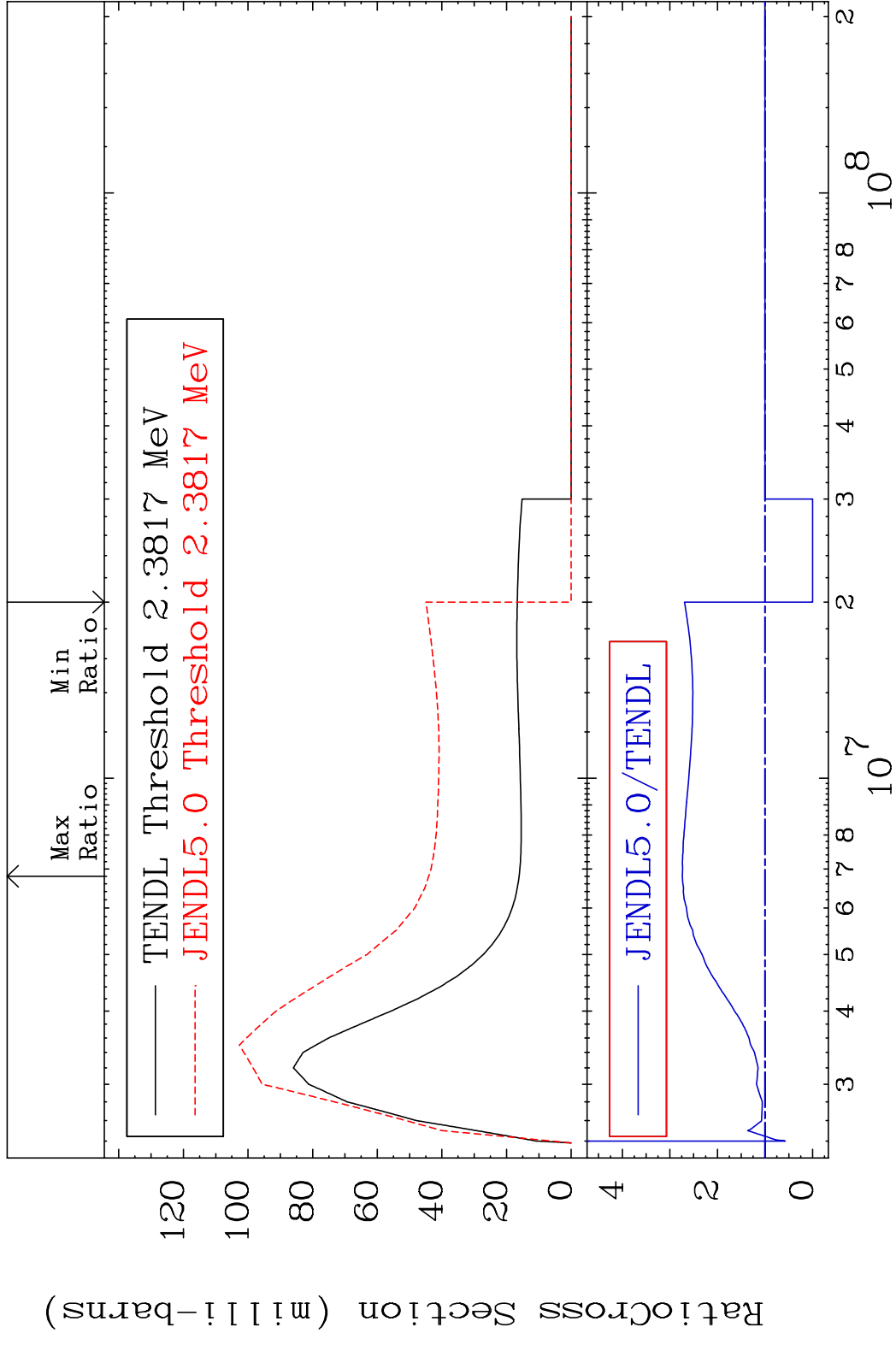
MAT 3425 MT= 60 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 255.2 %



MAT 3425 MT= 61 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 113.1 %

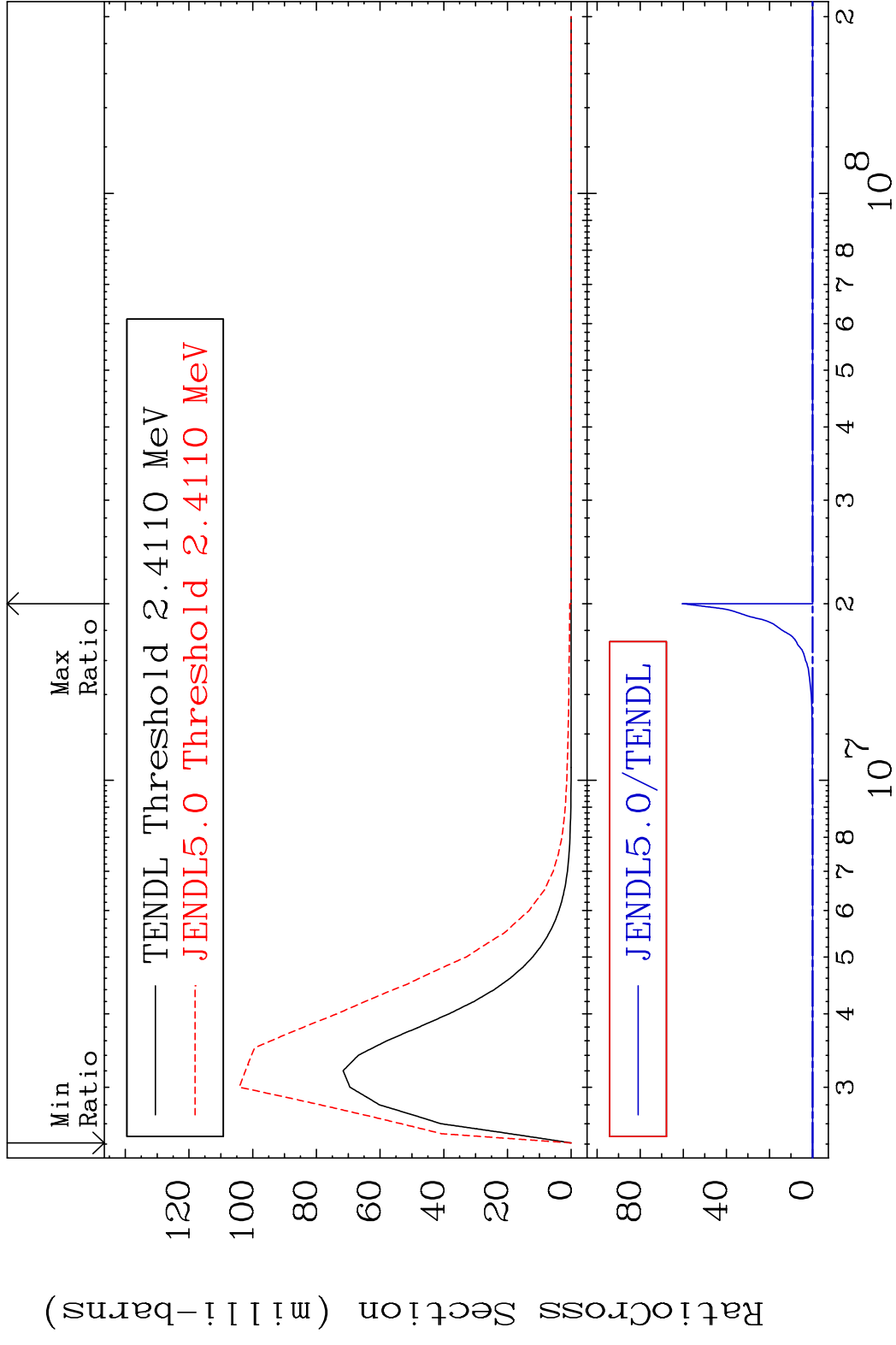


MAT 3425 MT= 62 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 173.8 %

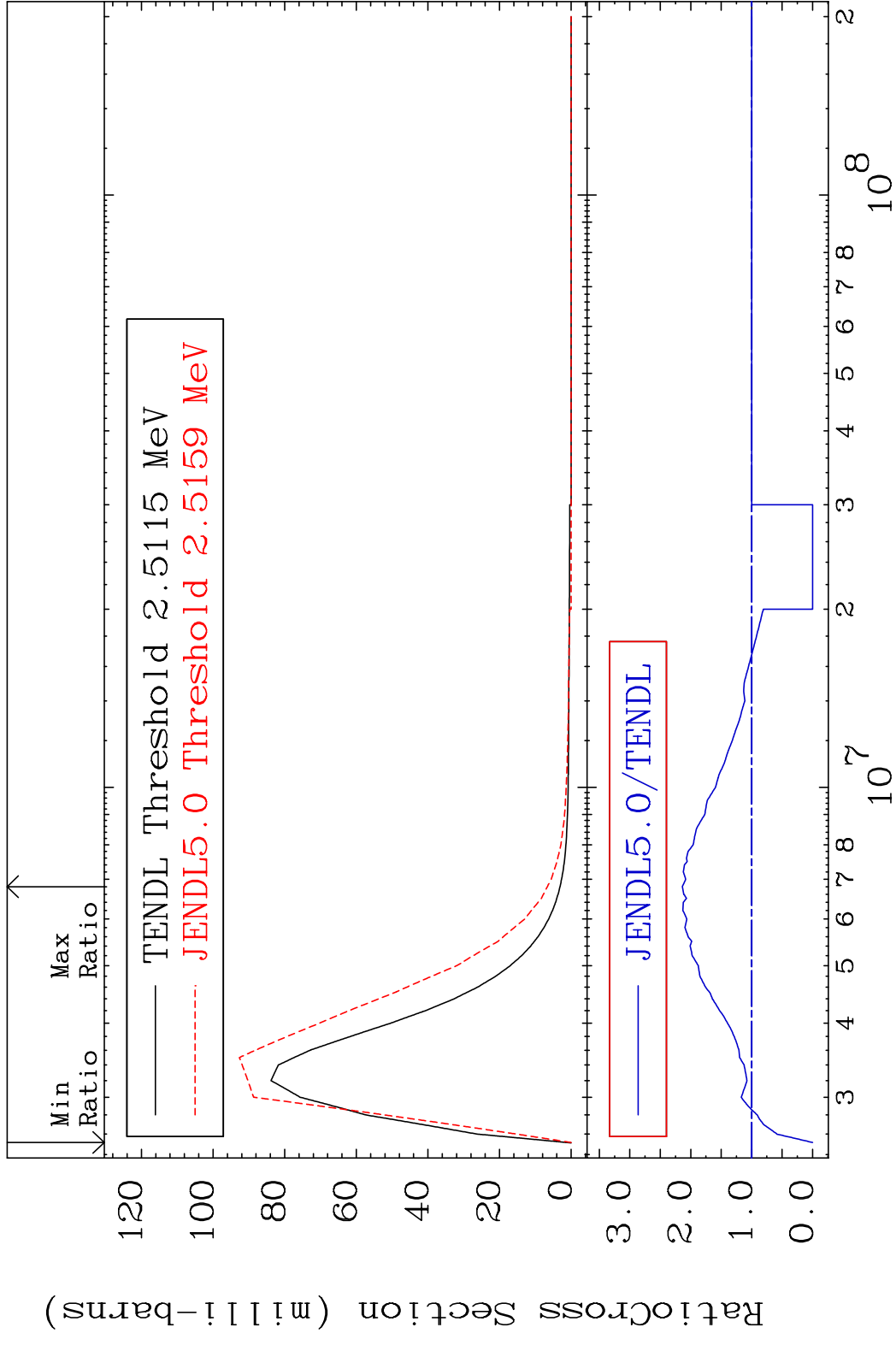


20 Incident Energy (eV) 34-Se-74

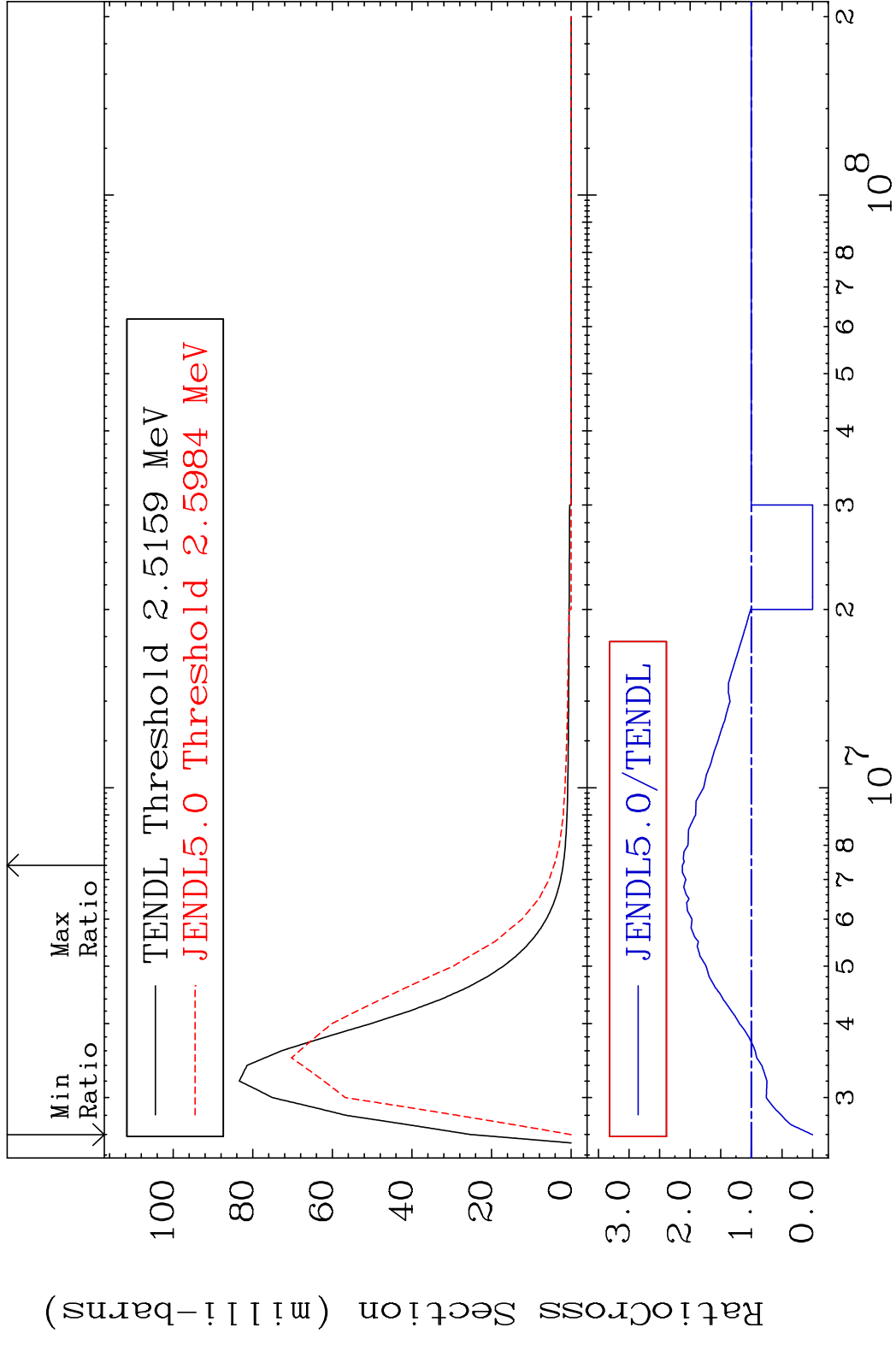
MAT 3425 MT= 63 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 9999. %



MAT 3425 MT= 64 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 113.8 %

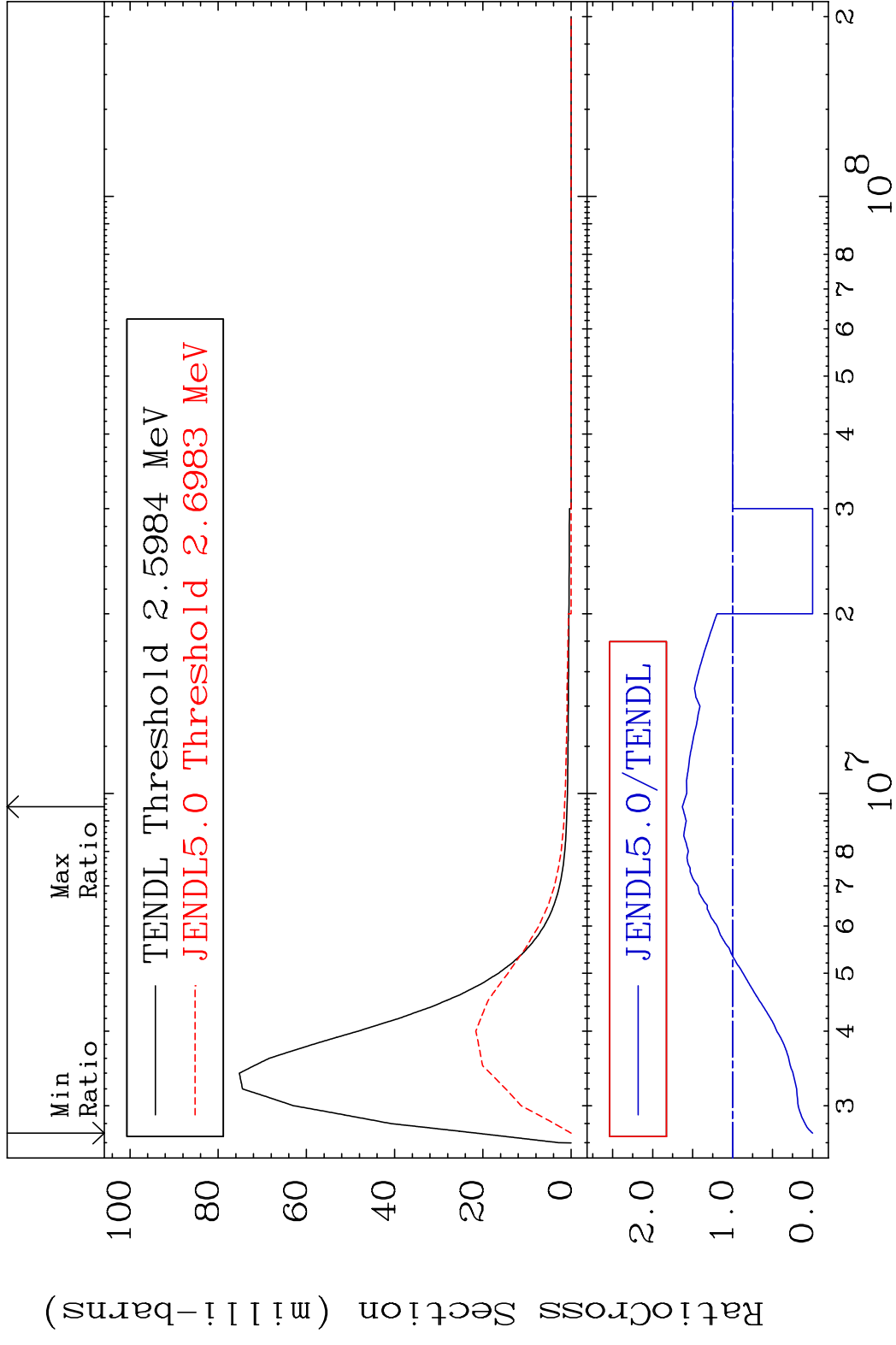


MAT 3425 MT= 65 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 112.8 %

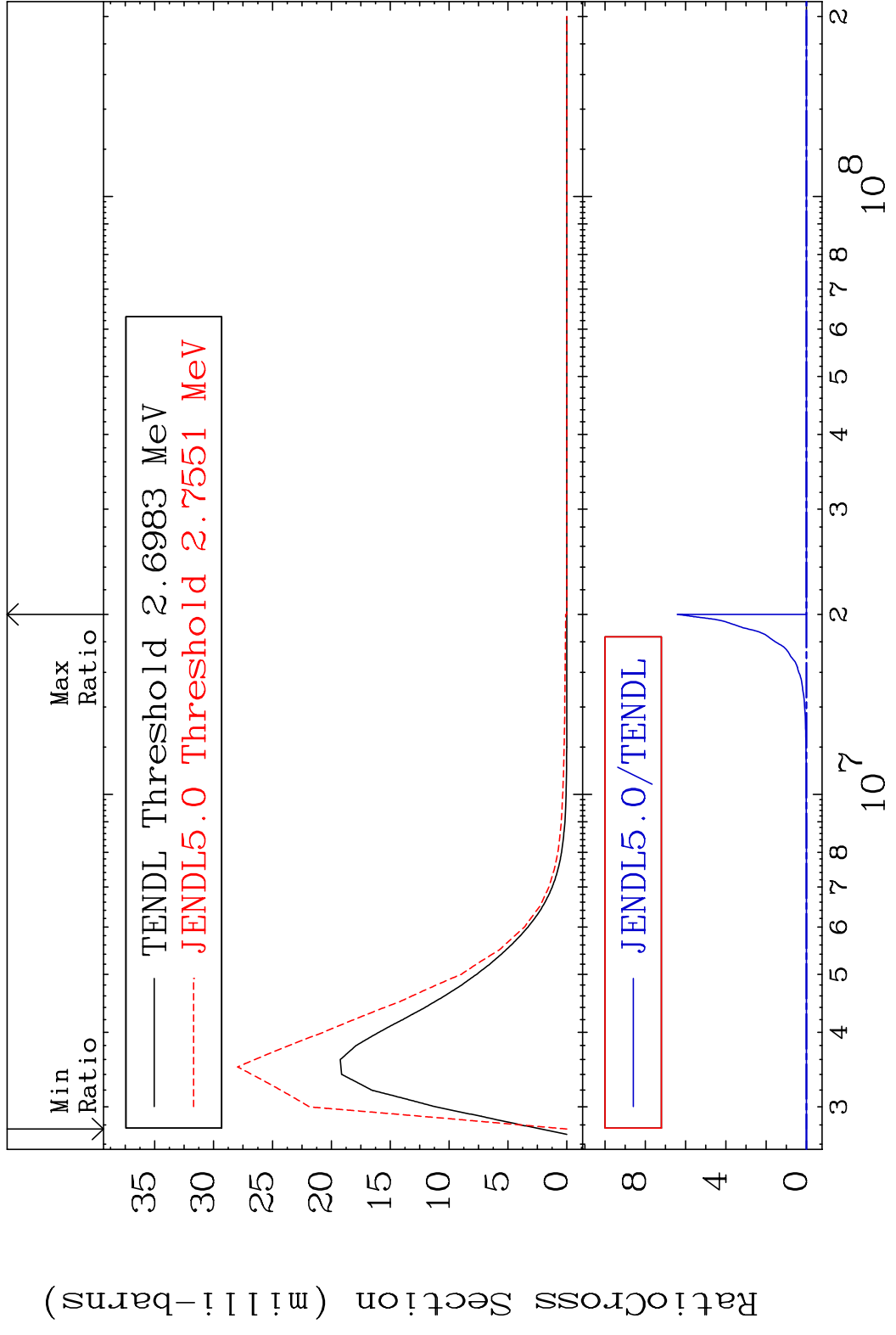




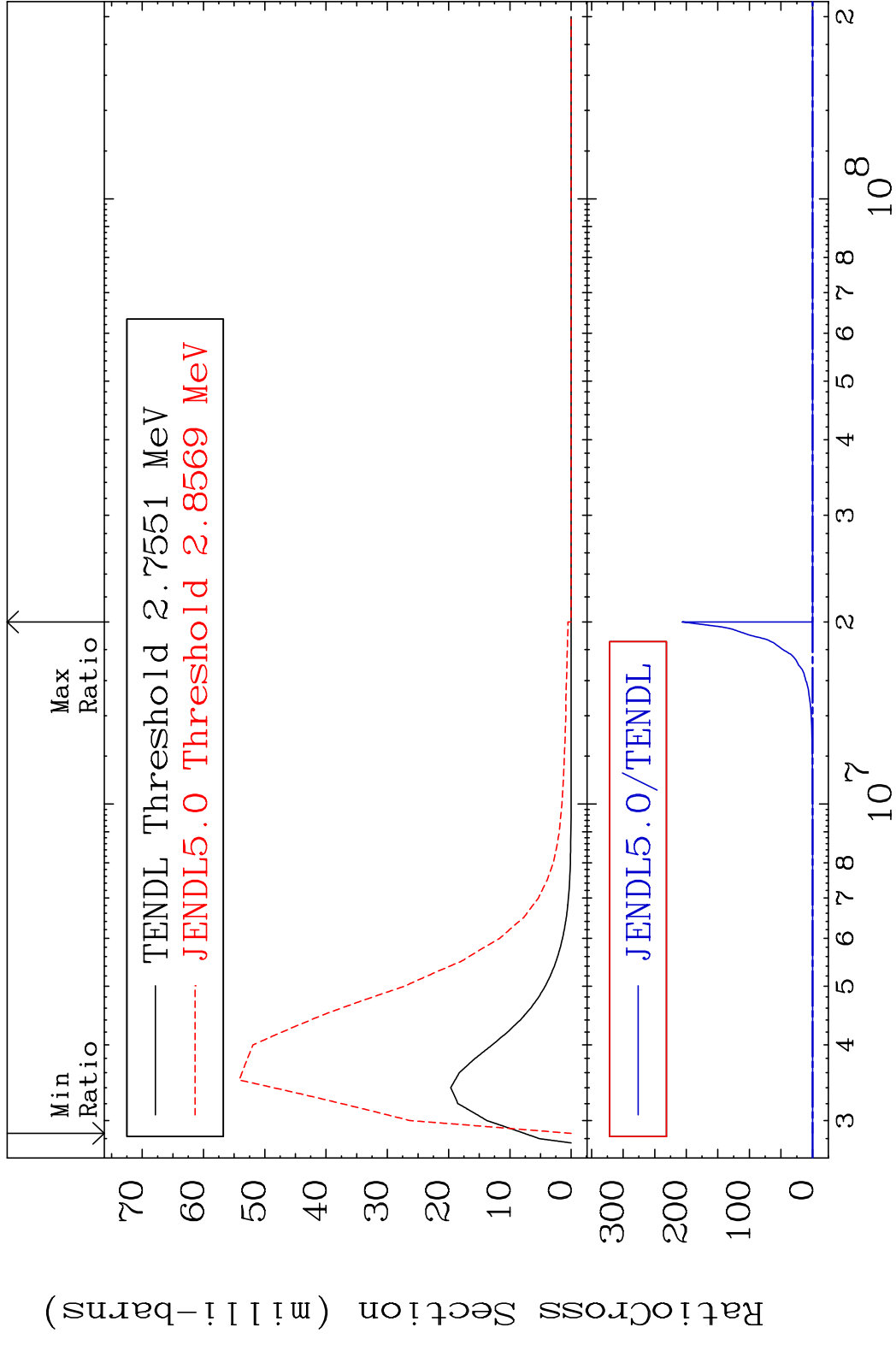
MAT 3425 MT= 66 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 62.86 %



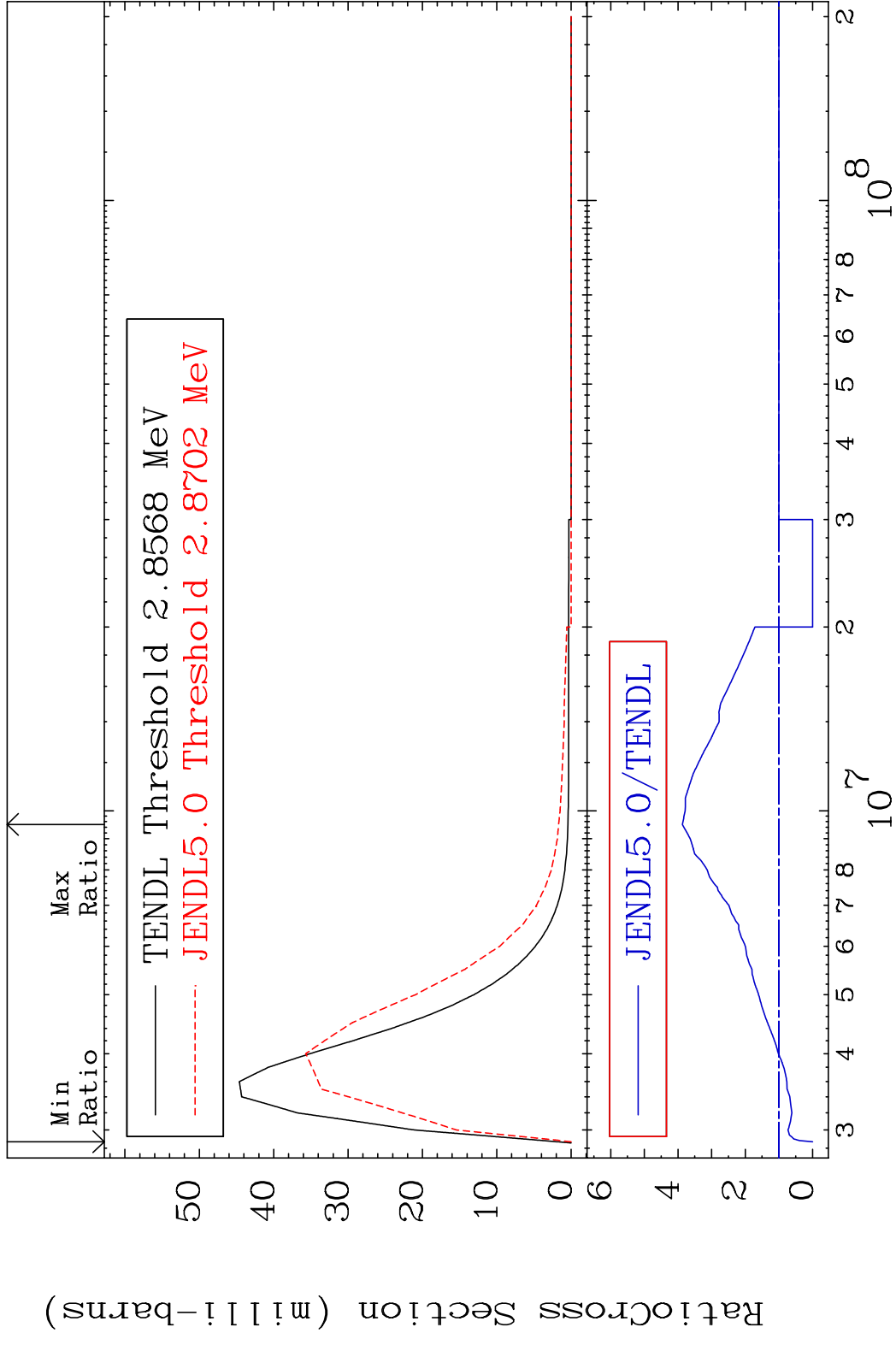
MAT 3425 MT= 67 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 9999. %



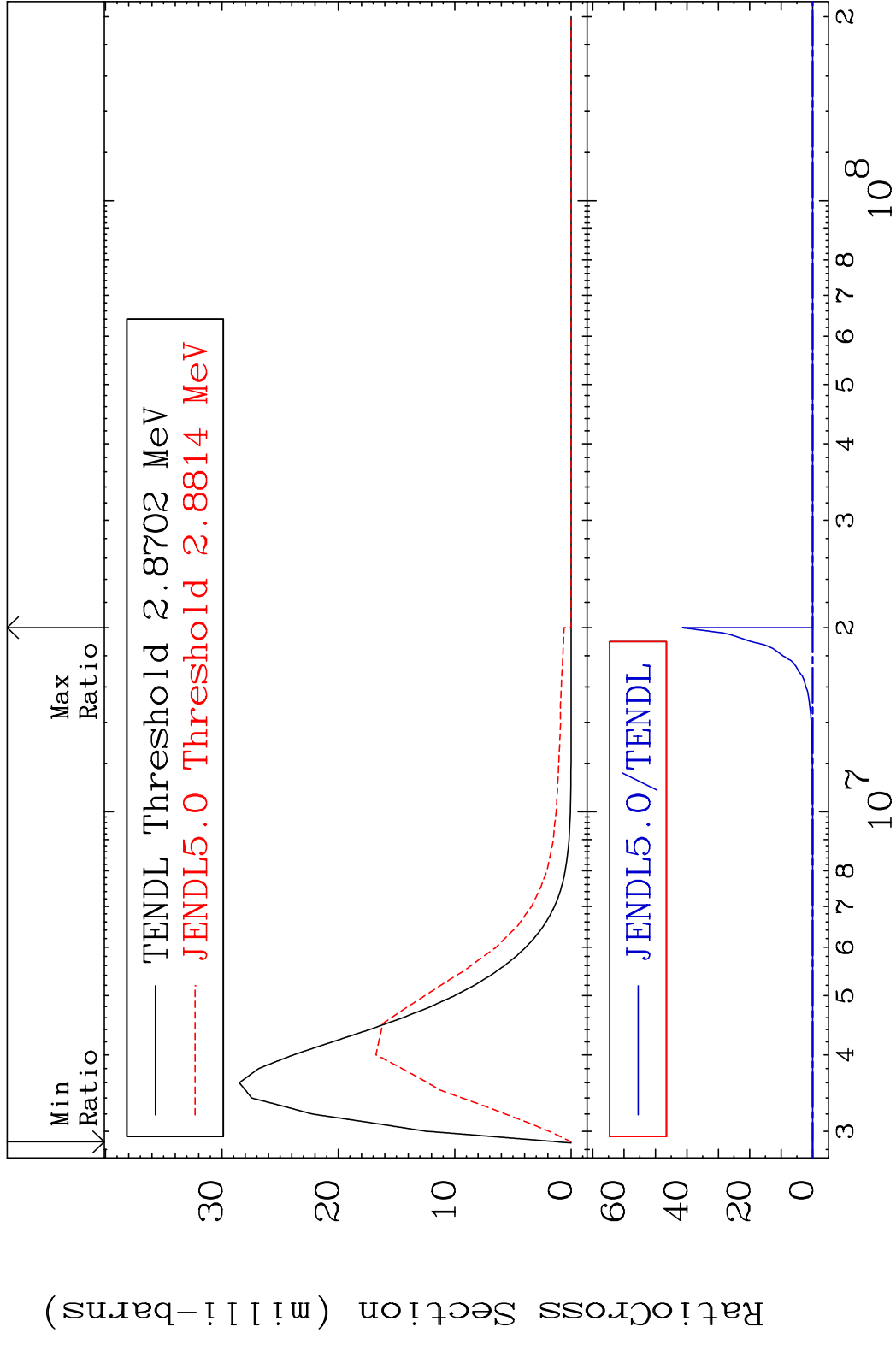
MAT 3425 MT= 68 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 9999. %



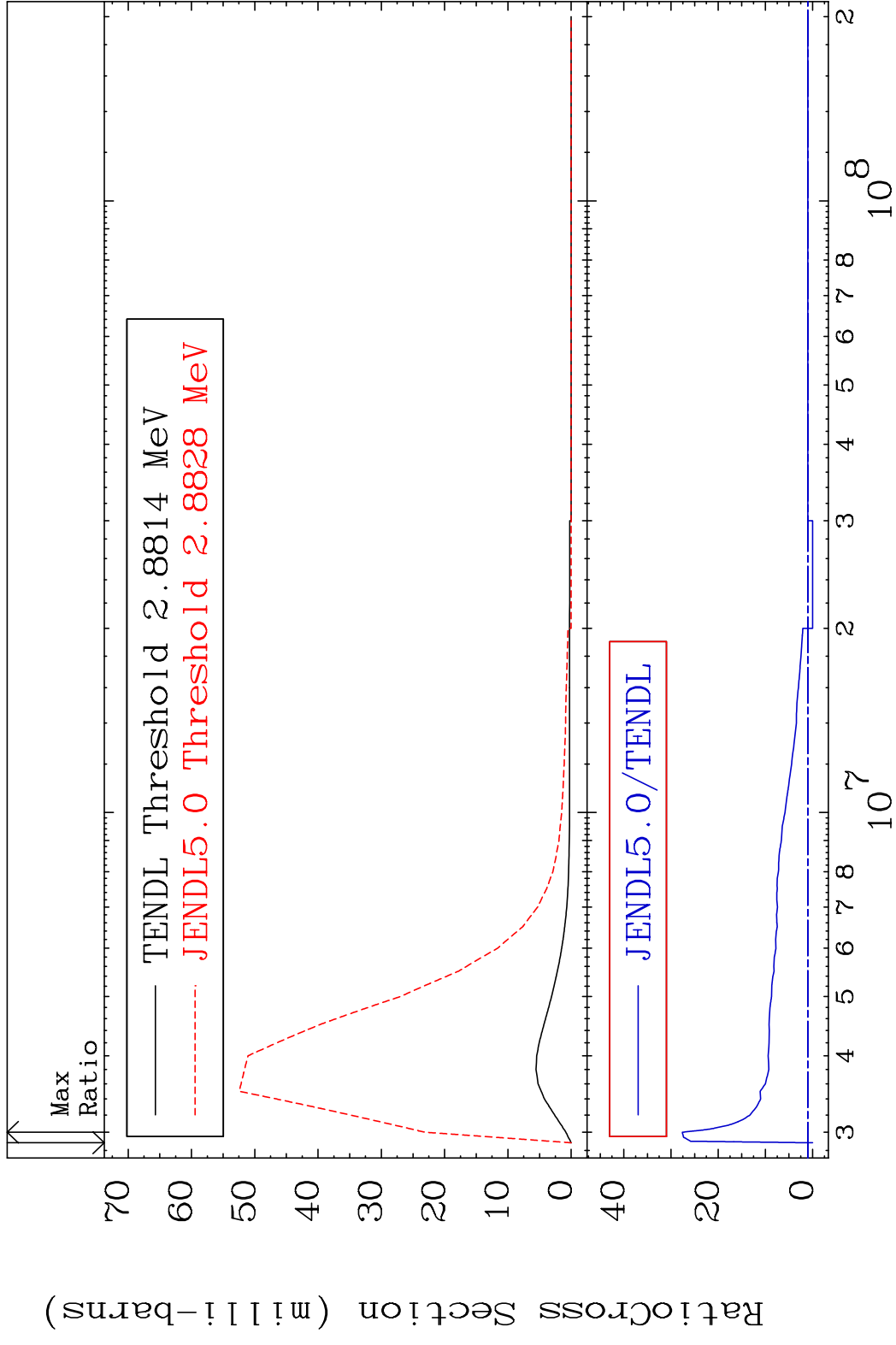
MAT 3425 MT= 69 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 287.0 %



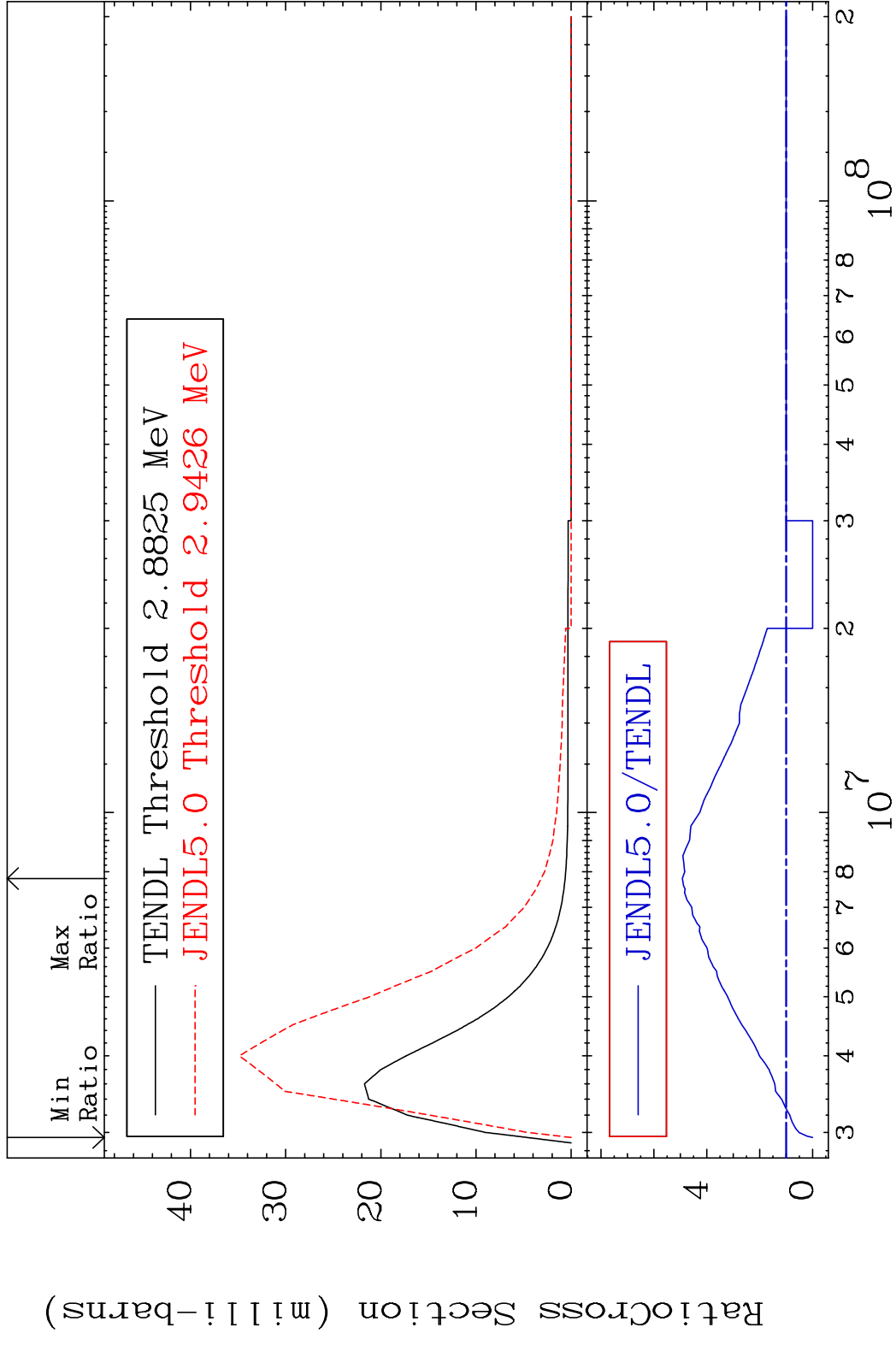
MAT 3425 MT= 70 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 9999. %



MAT 3425 MT= 71 (n,n') Level 34-Se-74  
 Cross Section -100.0 To 2660. %

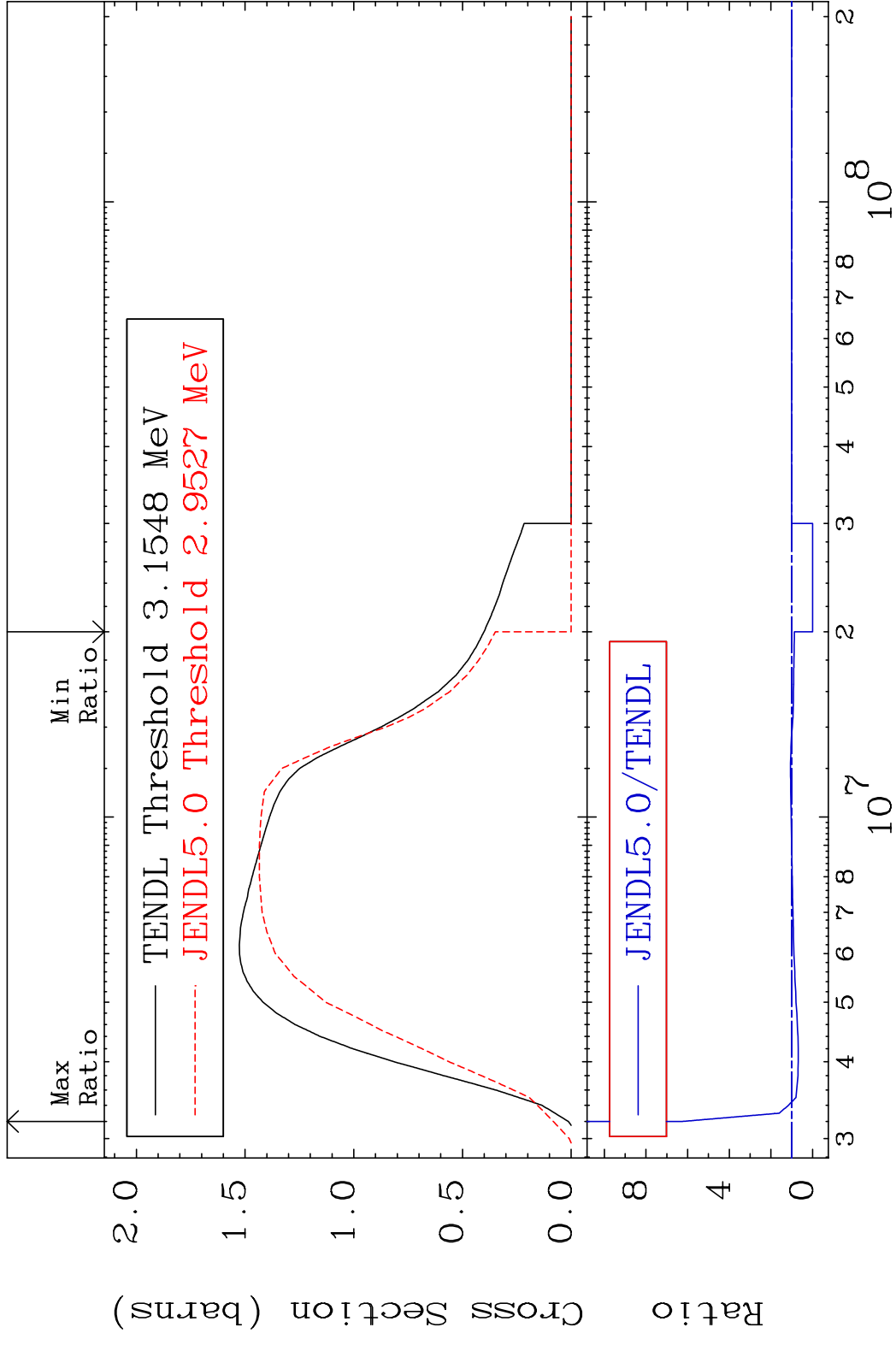


MAT 3425 MT= 72 (n, n') Level 34-Se-74  
 Cross Section -100.0 To 392.4 %



30 34-Se-74

MAT 3425 (n,n') Continuum 34-Se-74  
 Cross Section -100.0 To 525.4 %



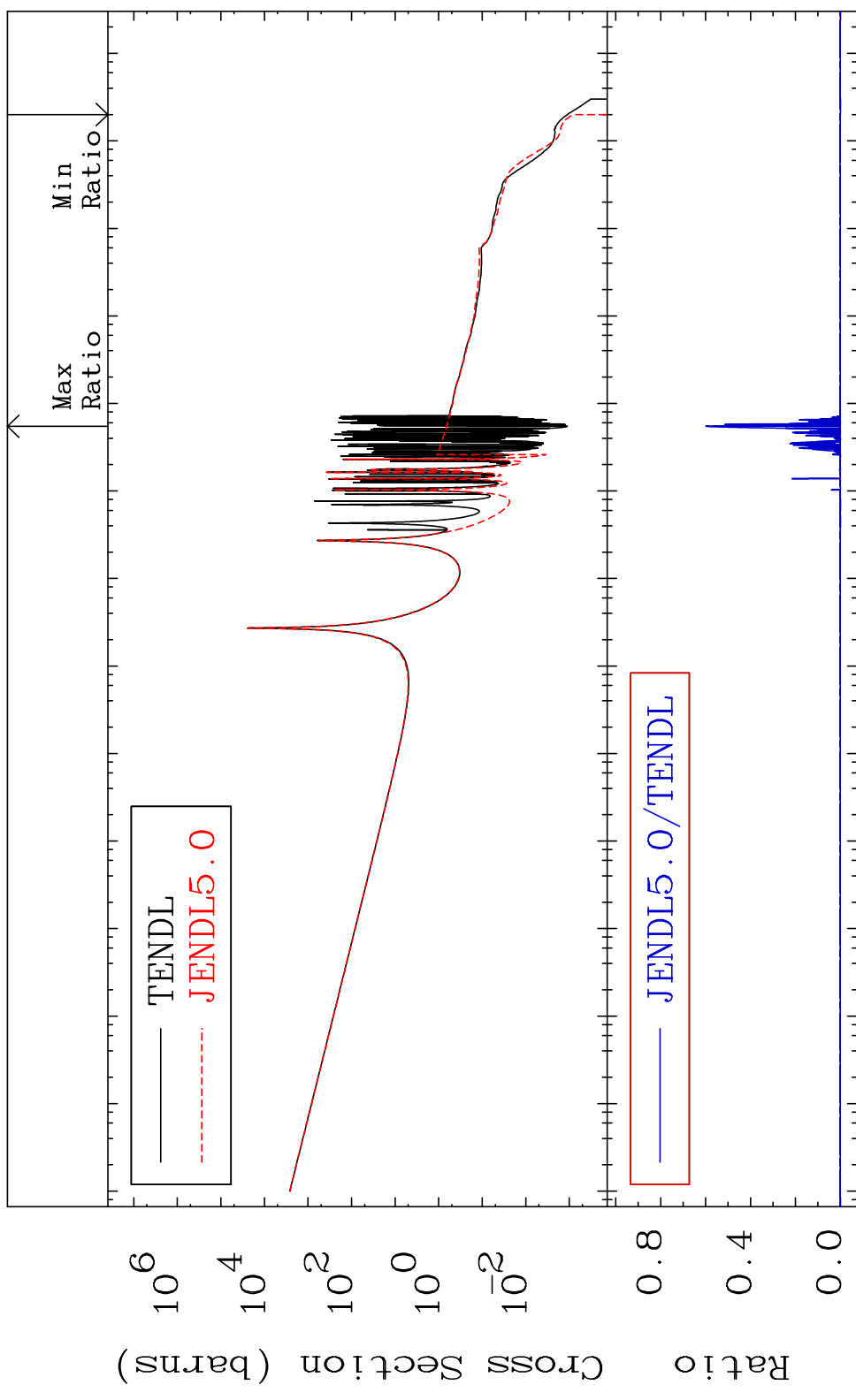


MAT 3425

(n,  $\gamma$ )

34-Se-74

Cross Section -100.0 To 9999. %



Max Ratio

Min Ratio

TENDL  
JENDL5.0

JENDL5.0/TENDL

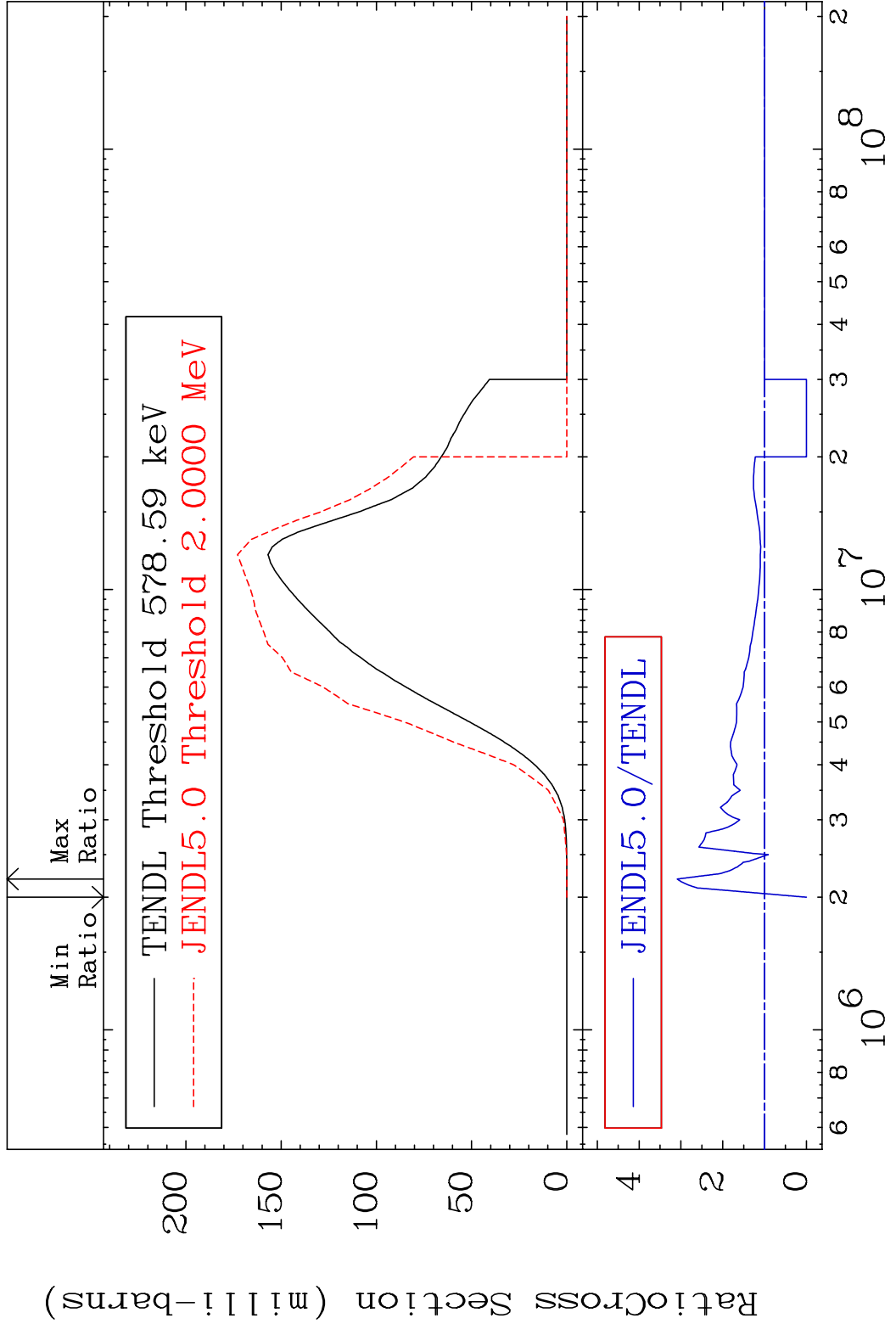
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

32

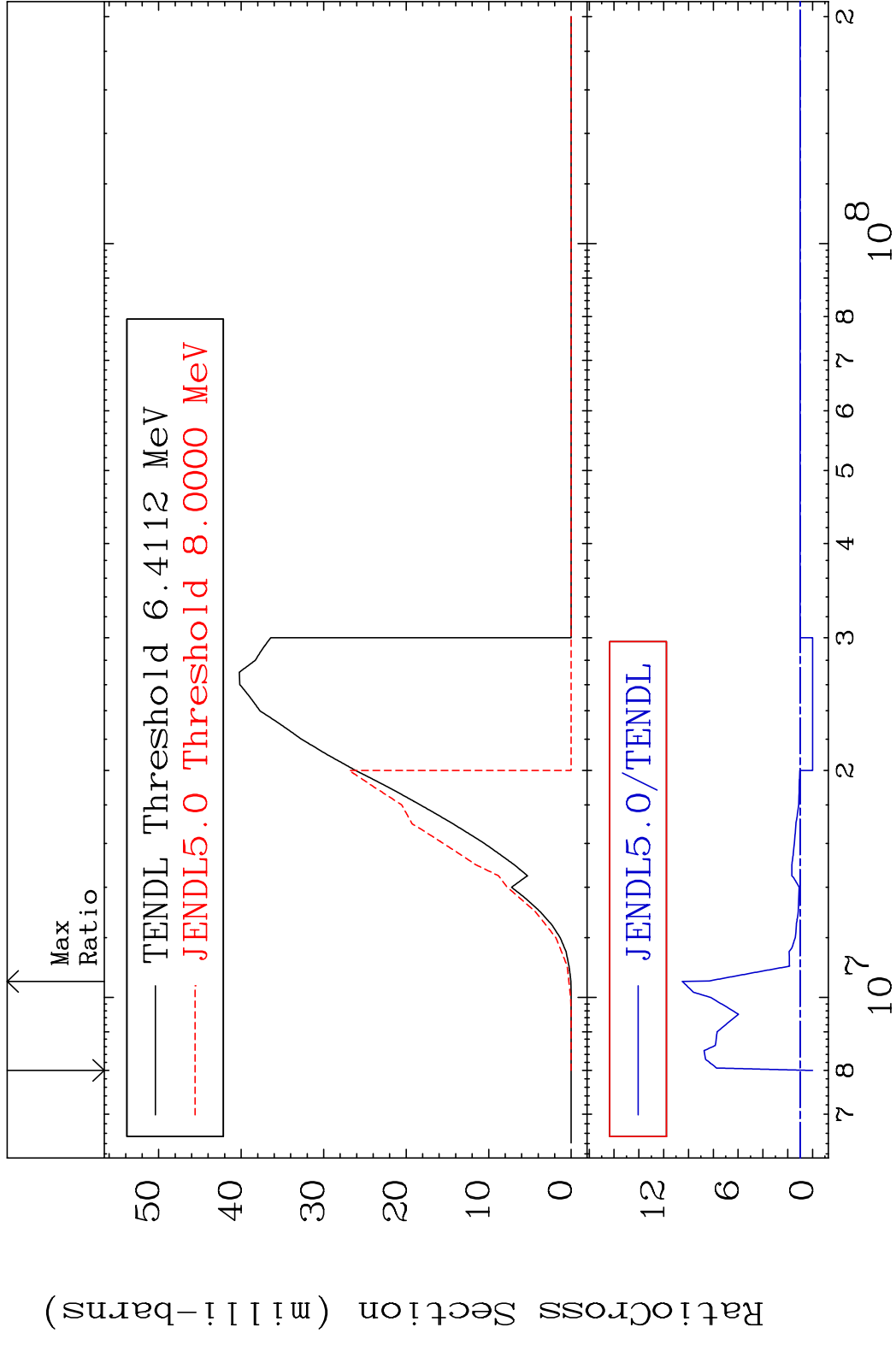
Incident Energy (eV)

34-Se-74

MAT 3425 (n,p) 34-Se-74  
 Cross Section -100.0 To 209.0 %



MAT 3425 (n,d) 34-Se-74  
 Cross Section -100.0 To 949.5 %

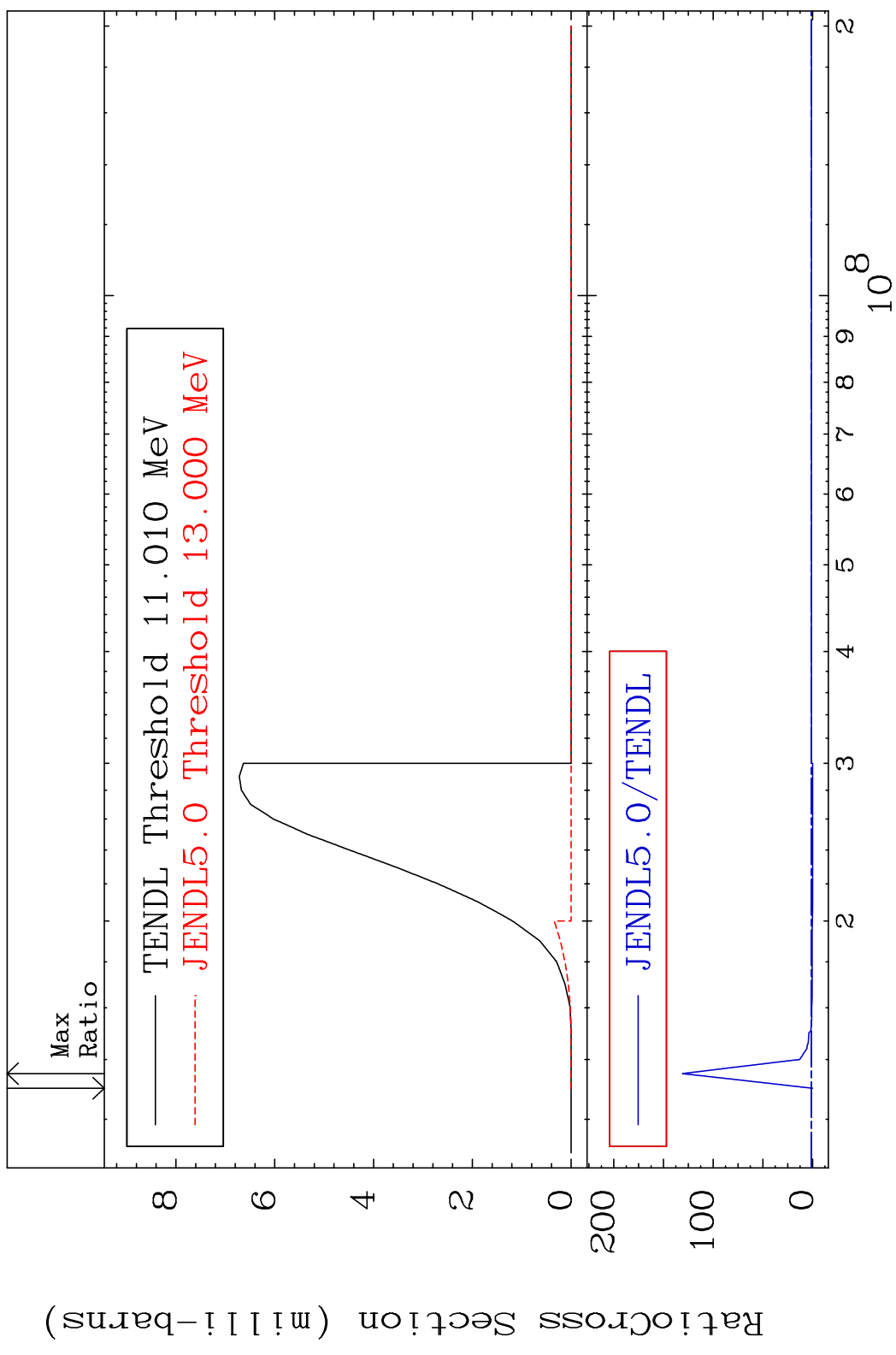


MAT 3425

(n, t)

34-Se-74

Cross Section -100.0 To 9999. %



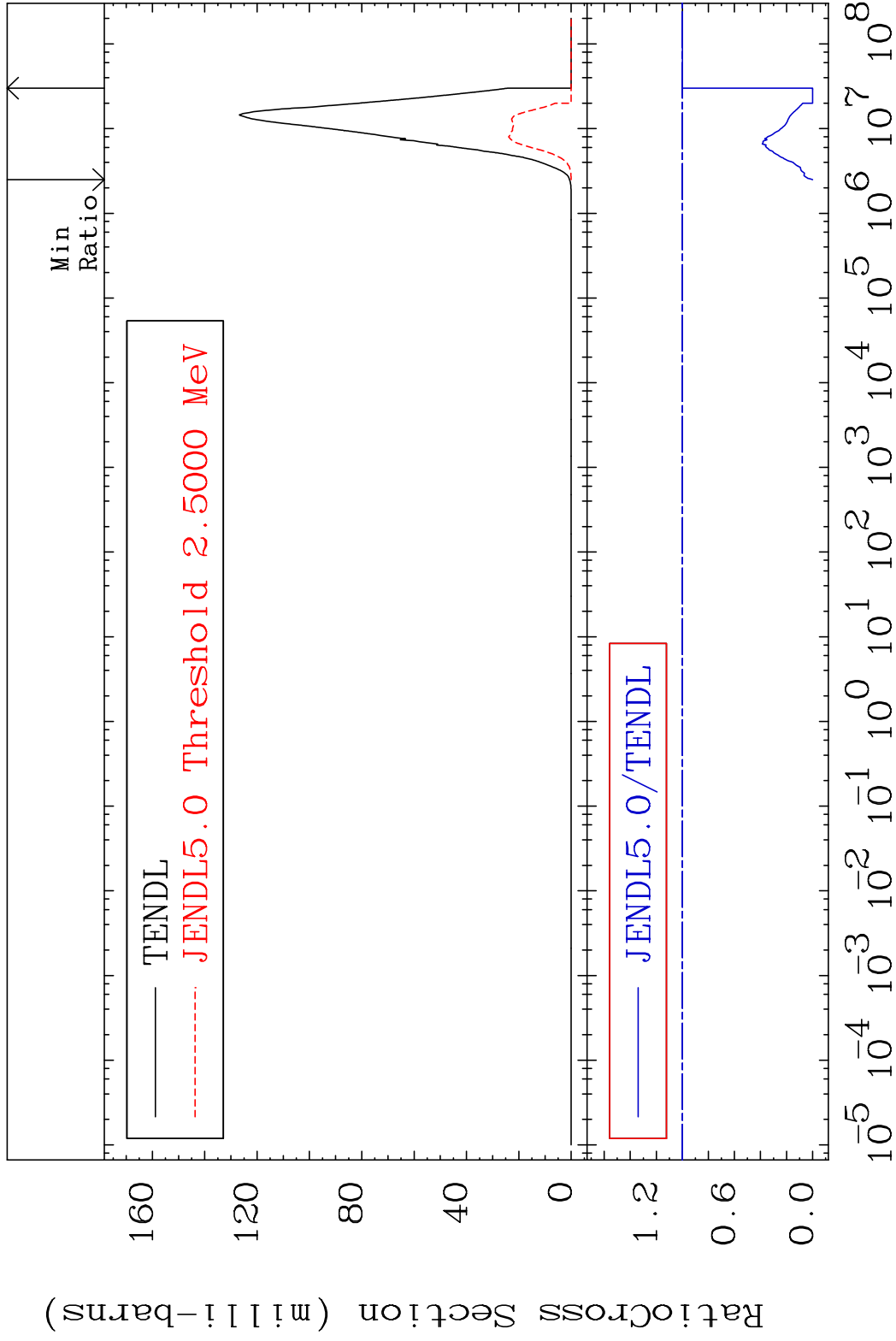


MAT 3425

(n,  $\alpha$ )

34-Se-74

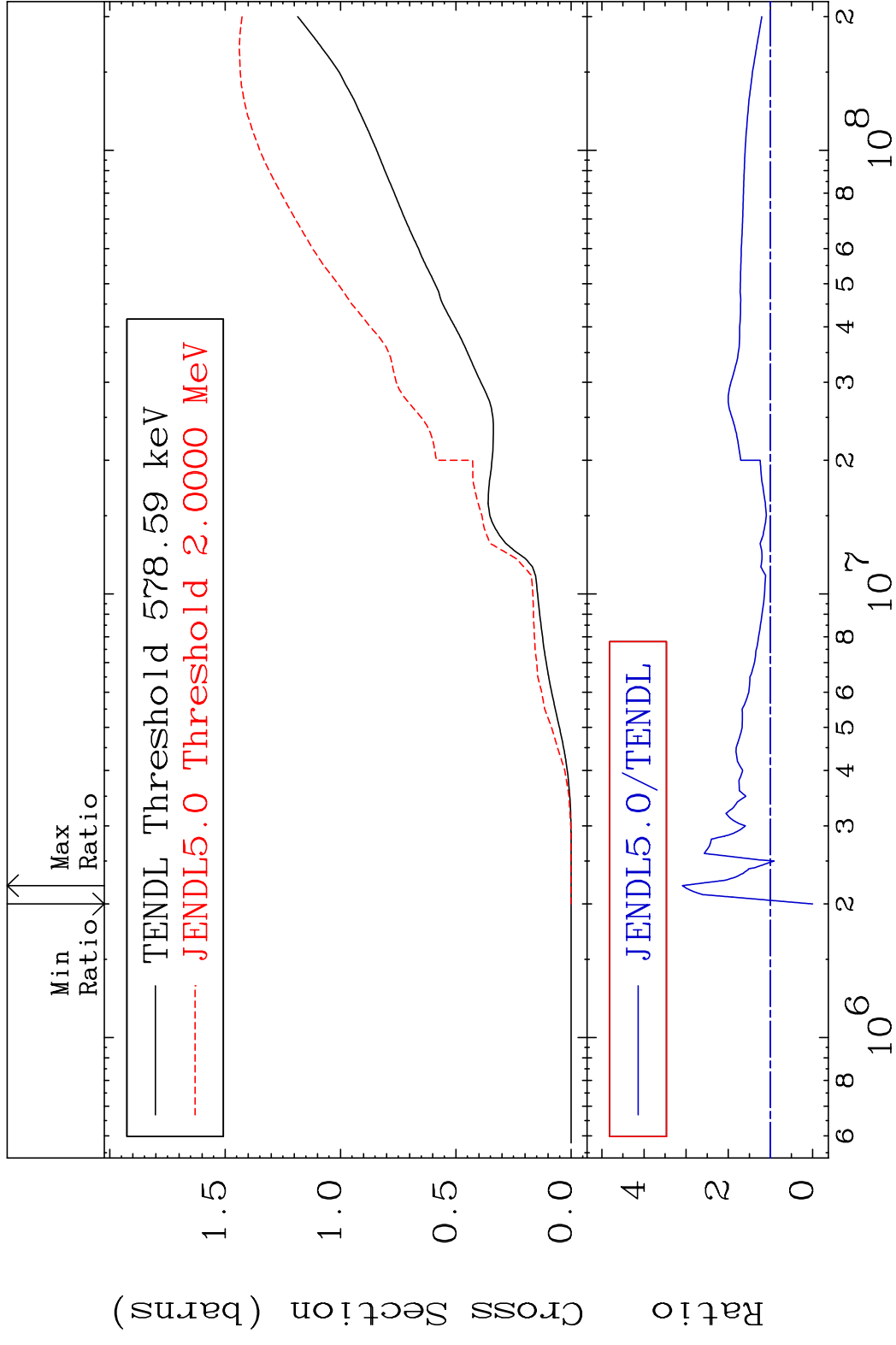
Cross Section -100.0 To 0.000 %



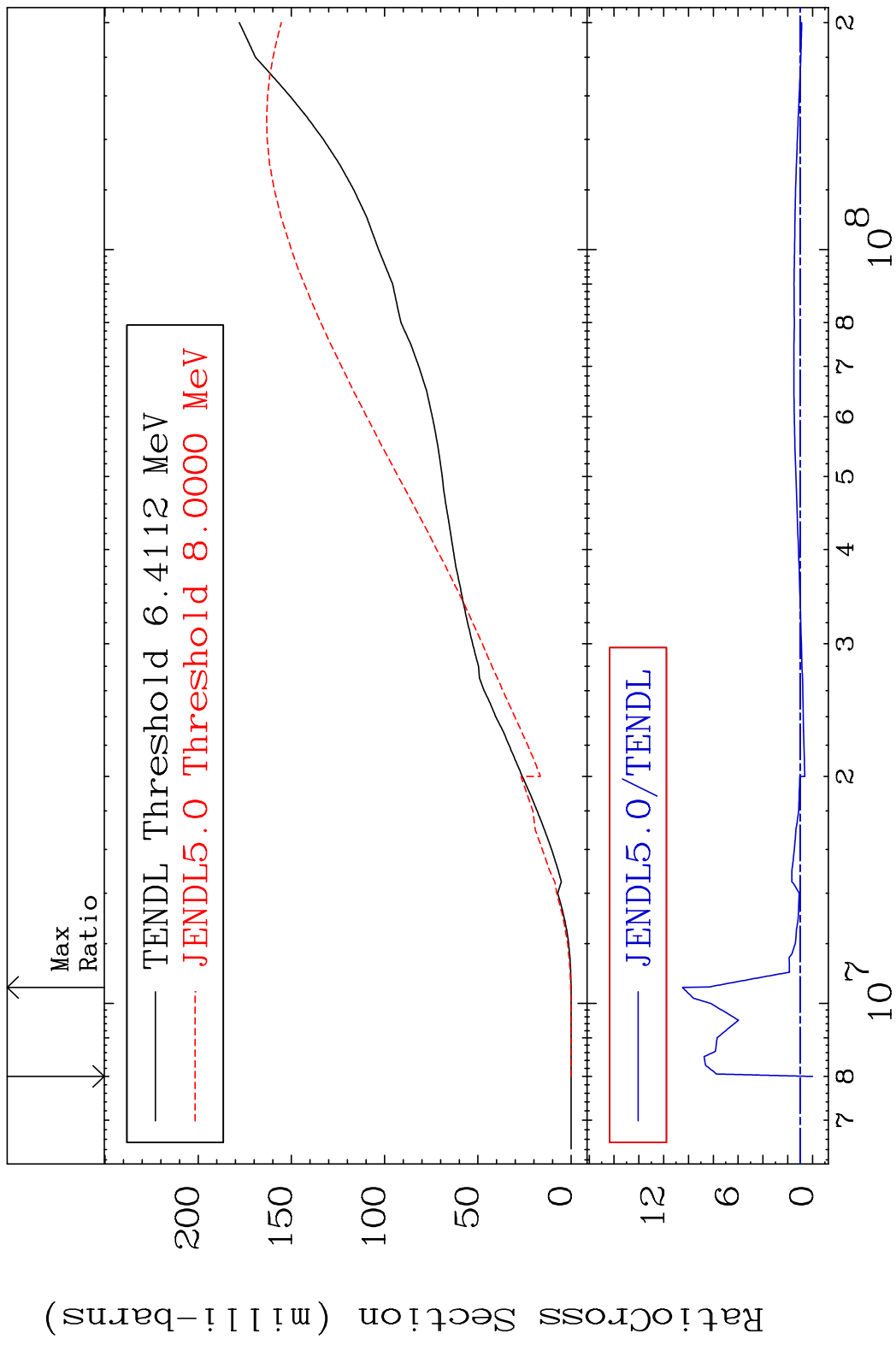
37

Incident Energy (eV)

34-Se-74

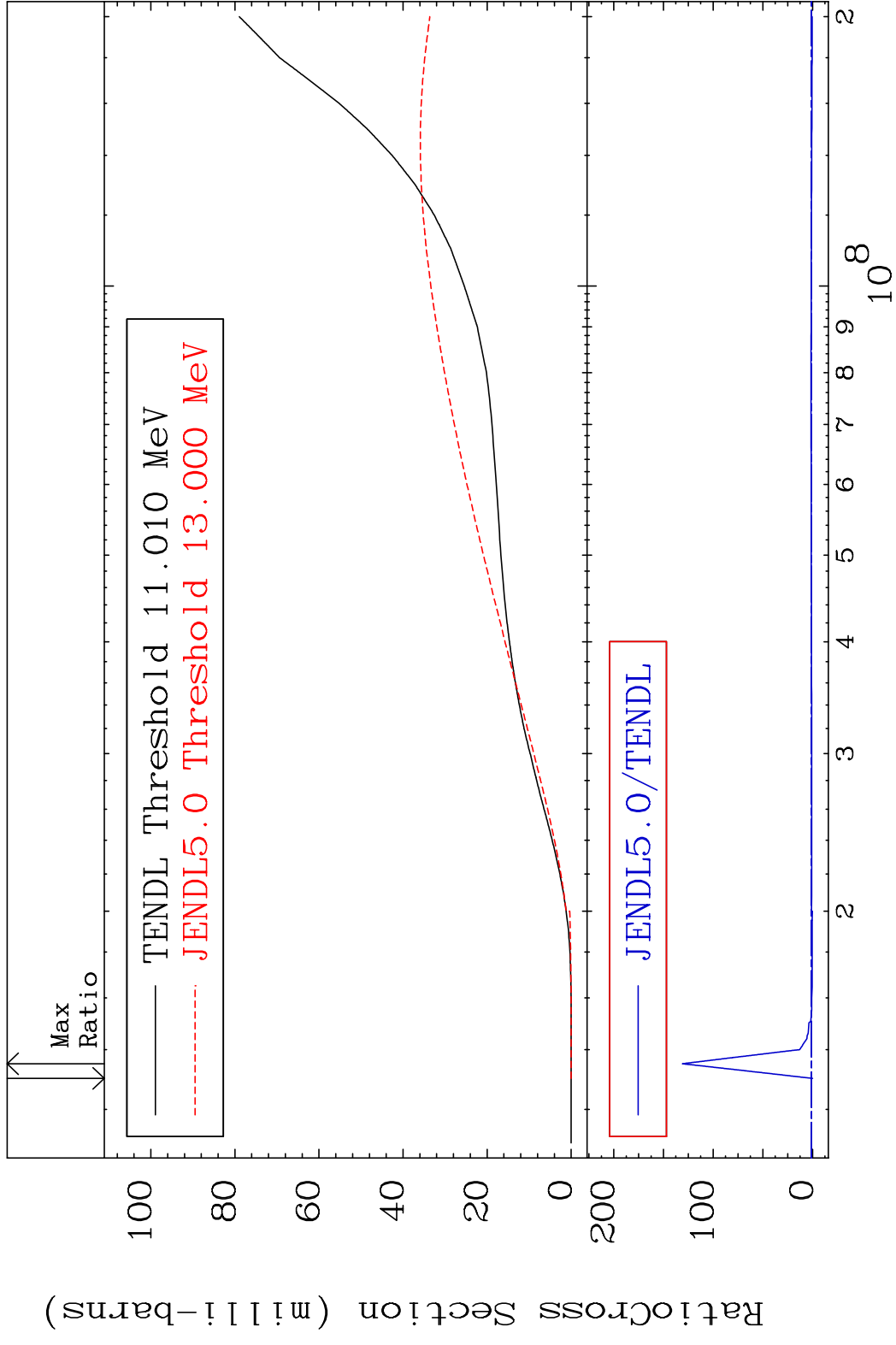


MAT 3425 Deuterium Production 34-Se-74  
 Cross Section -100.0 To 949.5 %





MAT 3425 Tritium Production 34-Se-74  
 Cross Section -100.0 To 9999. %



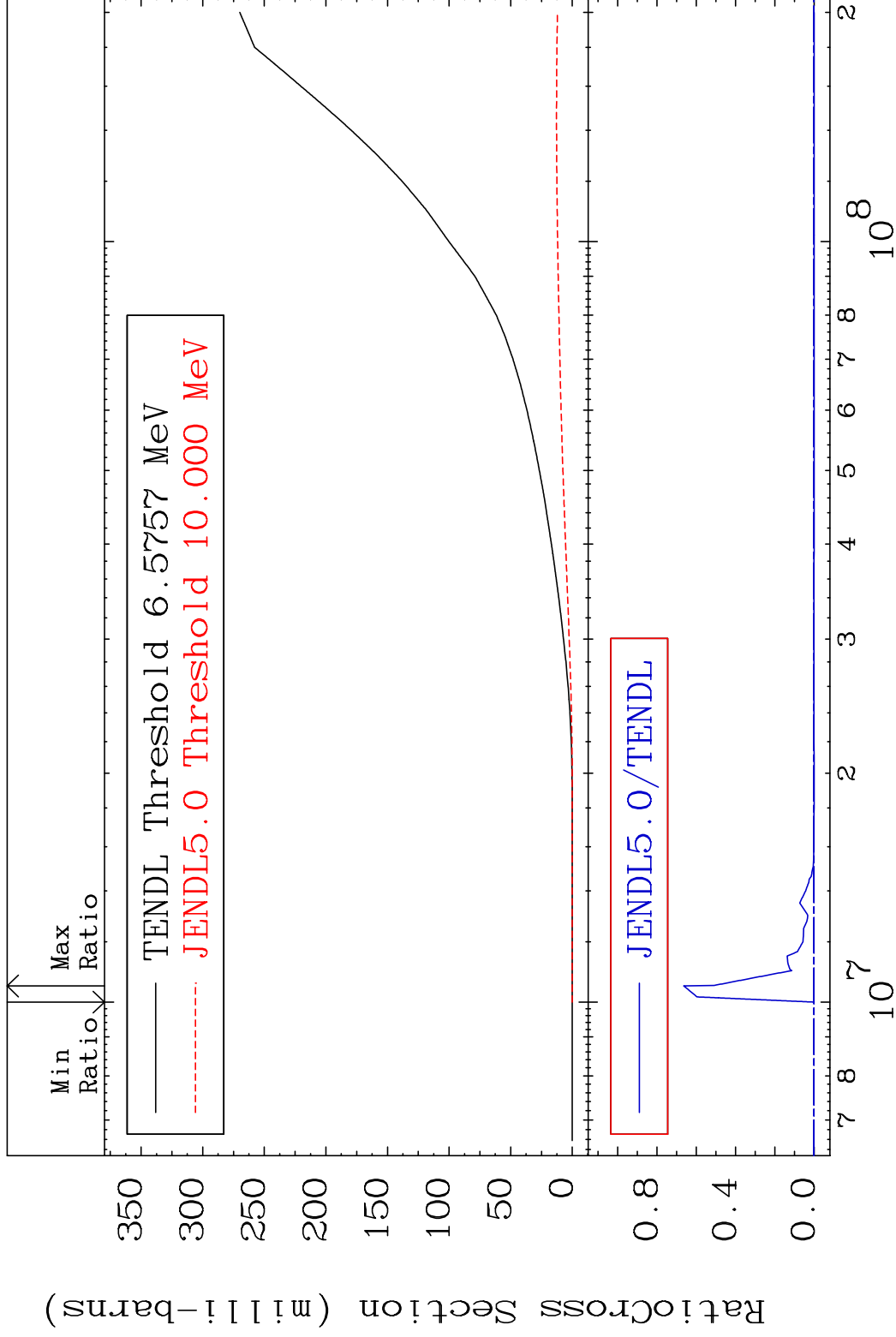
40 Incident Energy (eV) 34-Se-74

MAT 3425

He-3 Production

34-Se-74

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

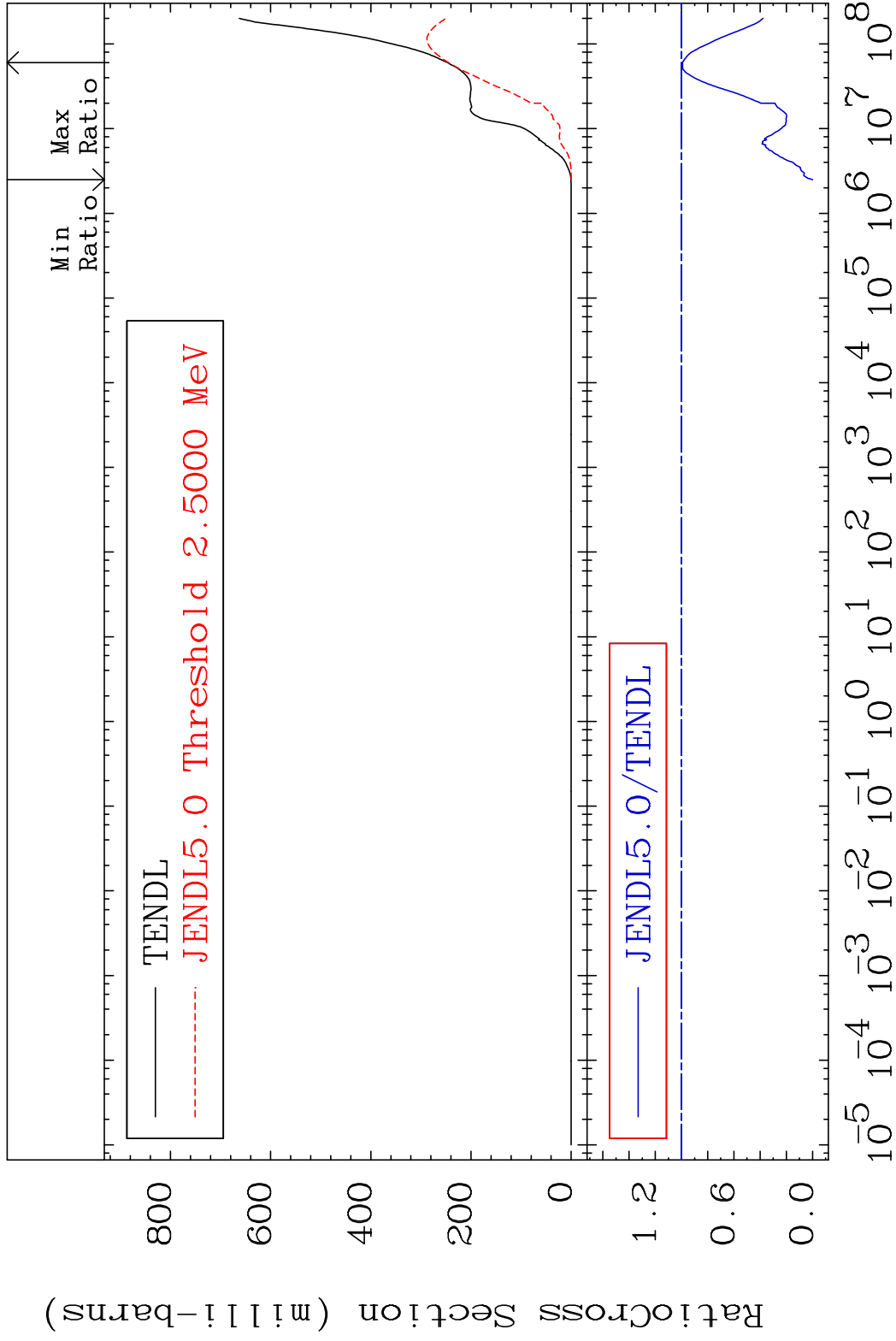
34-Se-74

MAT 3425

He-4 Production

<sup>34</sup>Se-74

Cross Section -100.0 To -0.664%

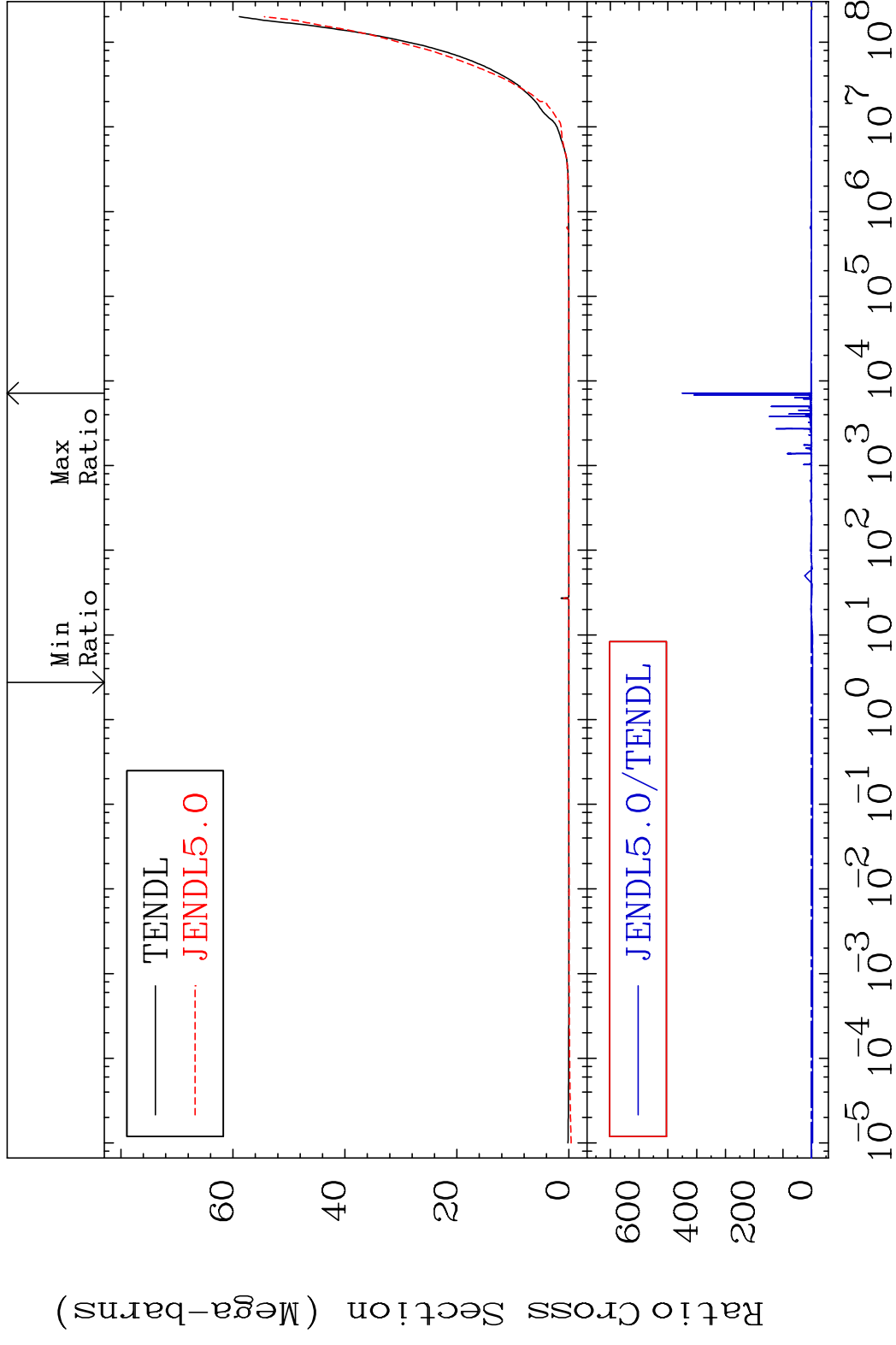


42

Incident Energy (eV)

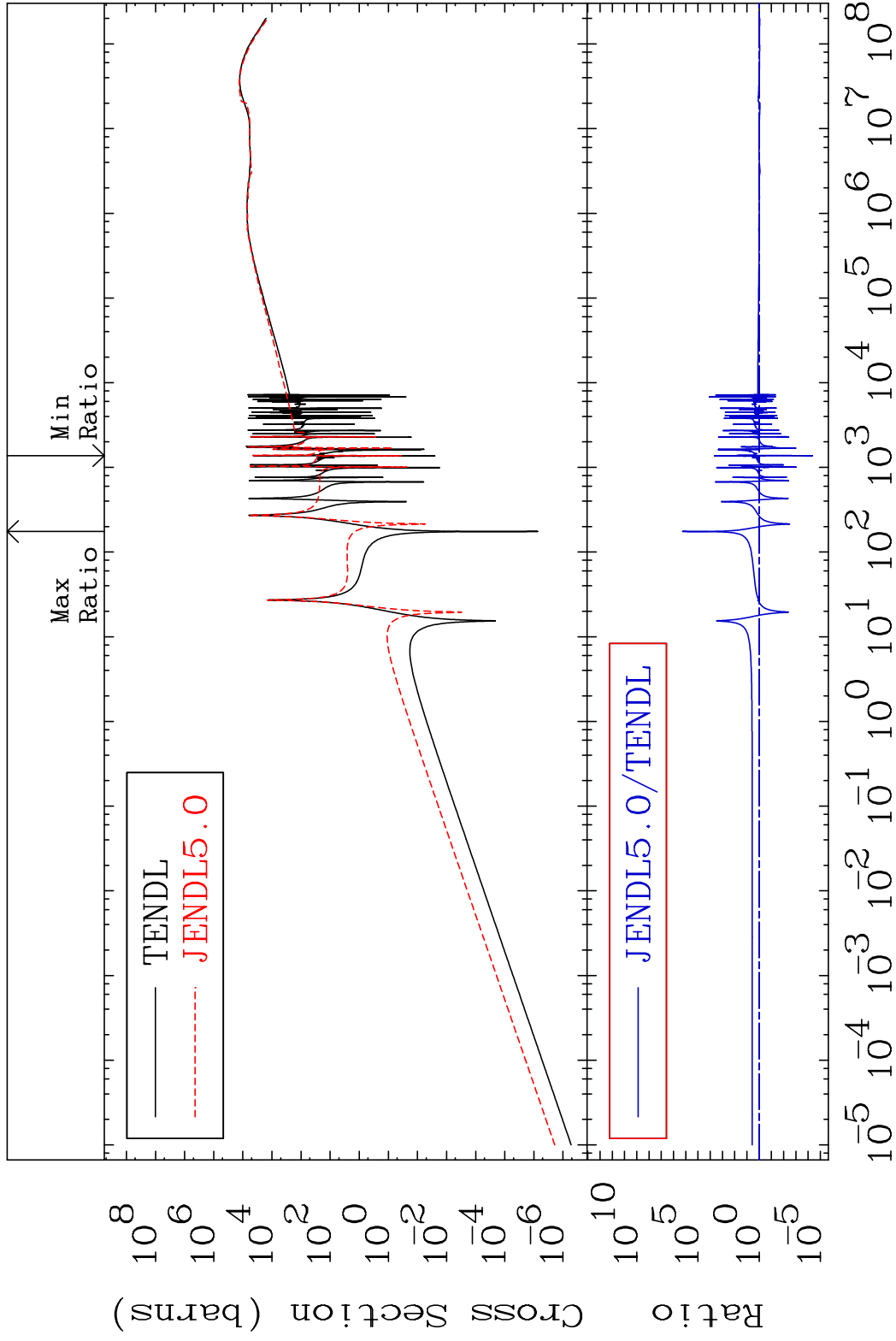
<sup>34</sup>Se-74

MAT 3425 Kerma total (eV-barns) 34-Se-74  
Cross Section -376.0 To 9999. %

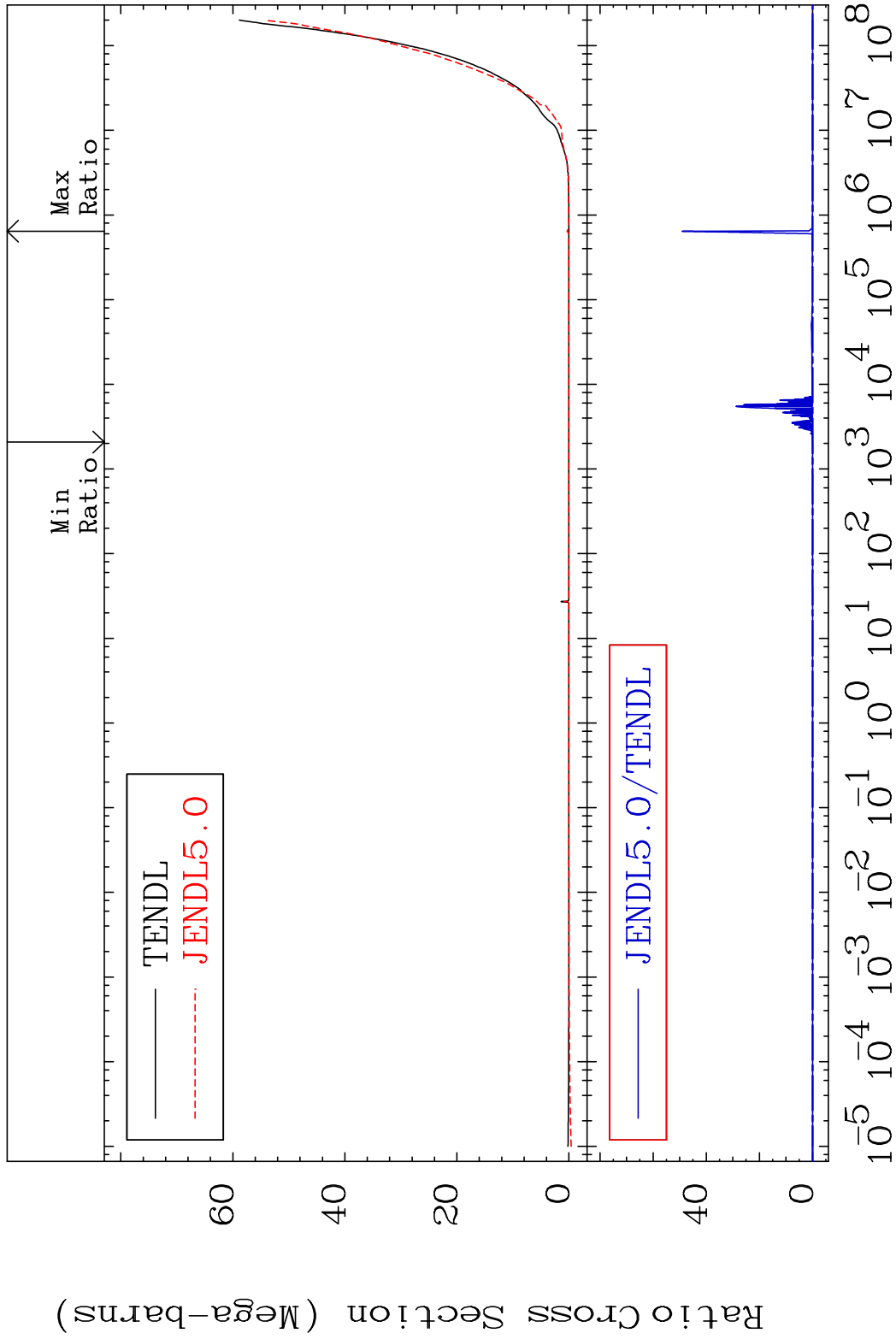


MAT 3425

Kerma elastic Cross Section -100.0 To 9999. %  
34-Se-74

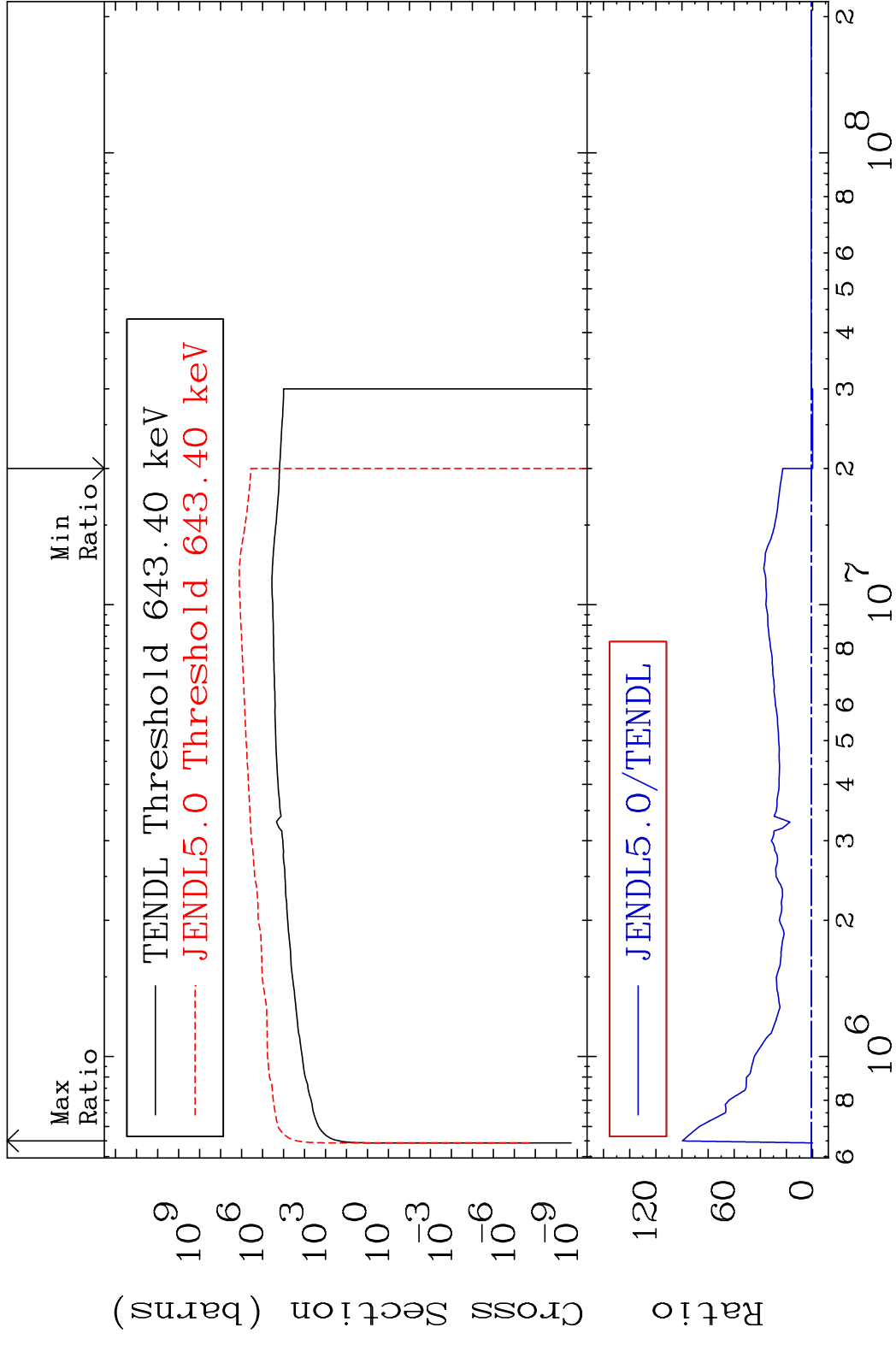


MAT 3425 Kerma non-elastic (all but mt2) 34-Se-74  
 Cross Section -2213. To 9999. %

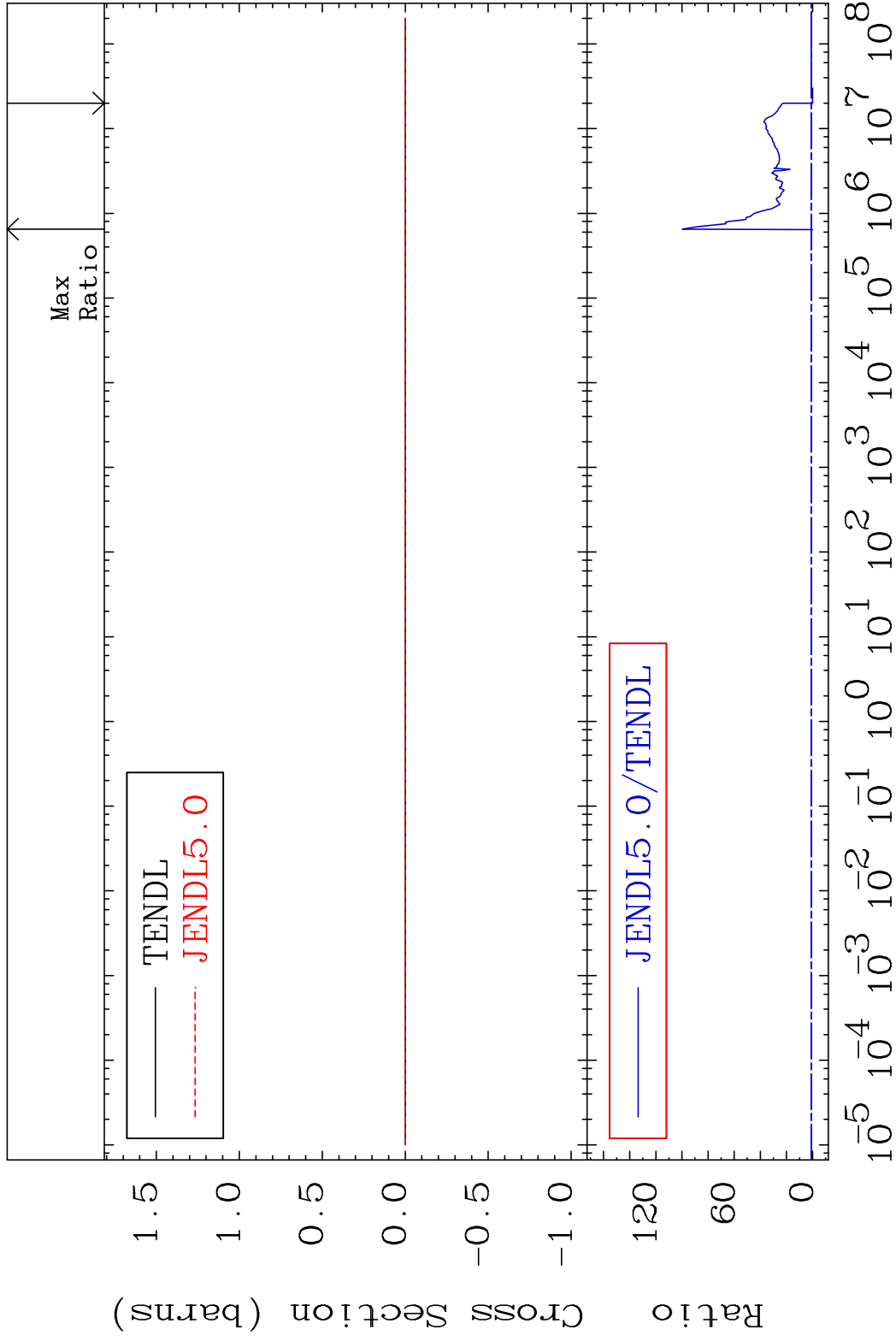


45 Incident Energy (eV) 34-Se-74

MAT 3425 Kerma inelastic (mt51-91) 34-Se-74  
 Cross Section -100.0 To 9869. %

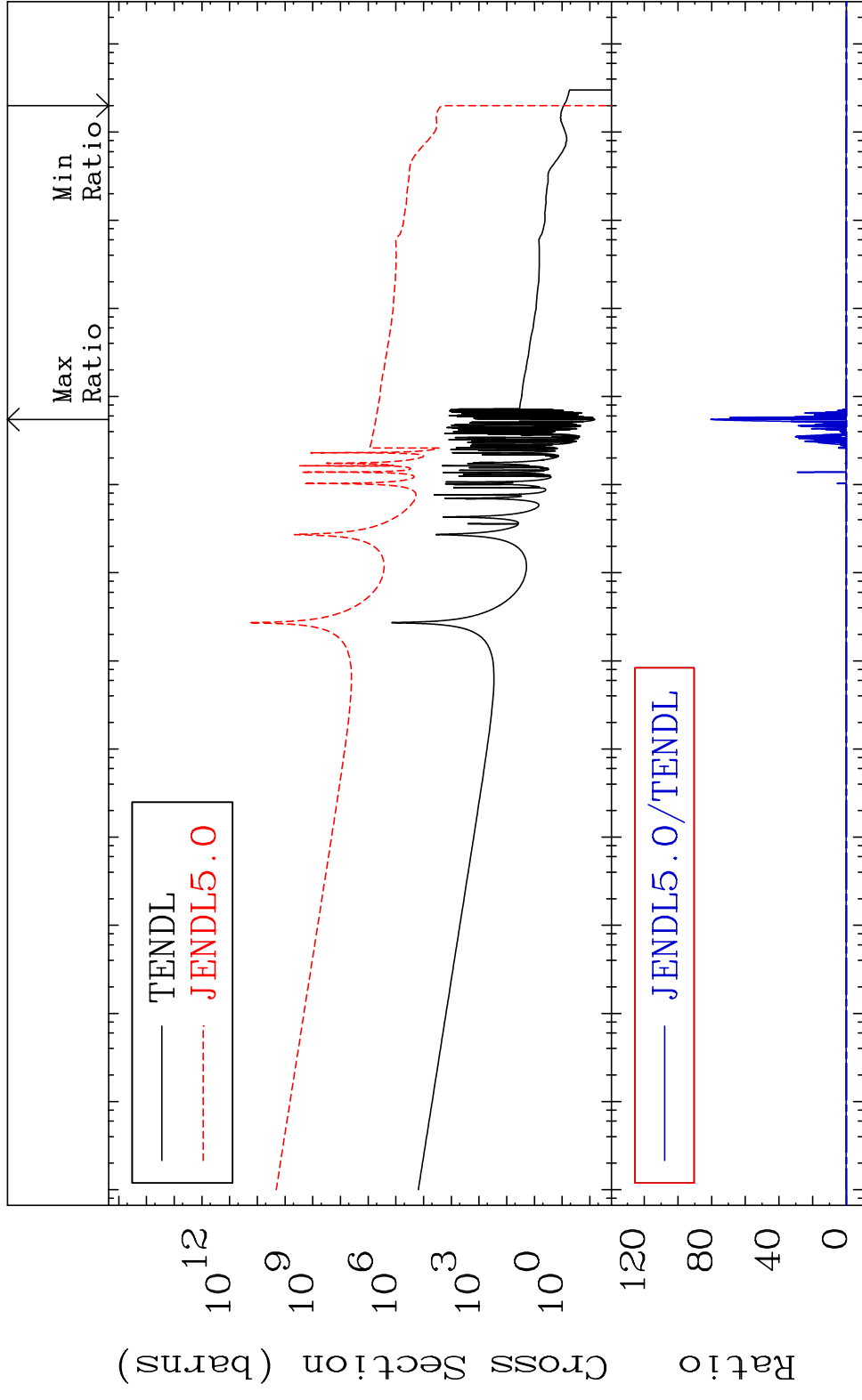


MAT 3425 Kerma fission (mt18 or mt19-20-21-38) 34-Se-74  
 Cross Section -100.0 To 9869. %



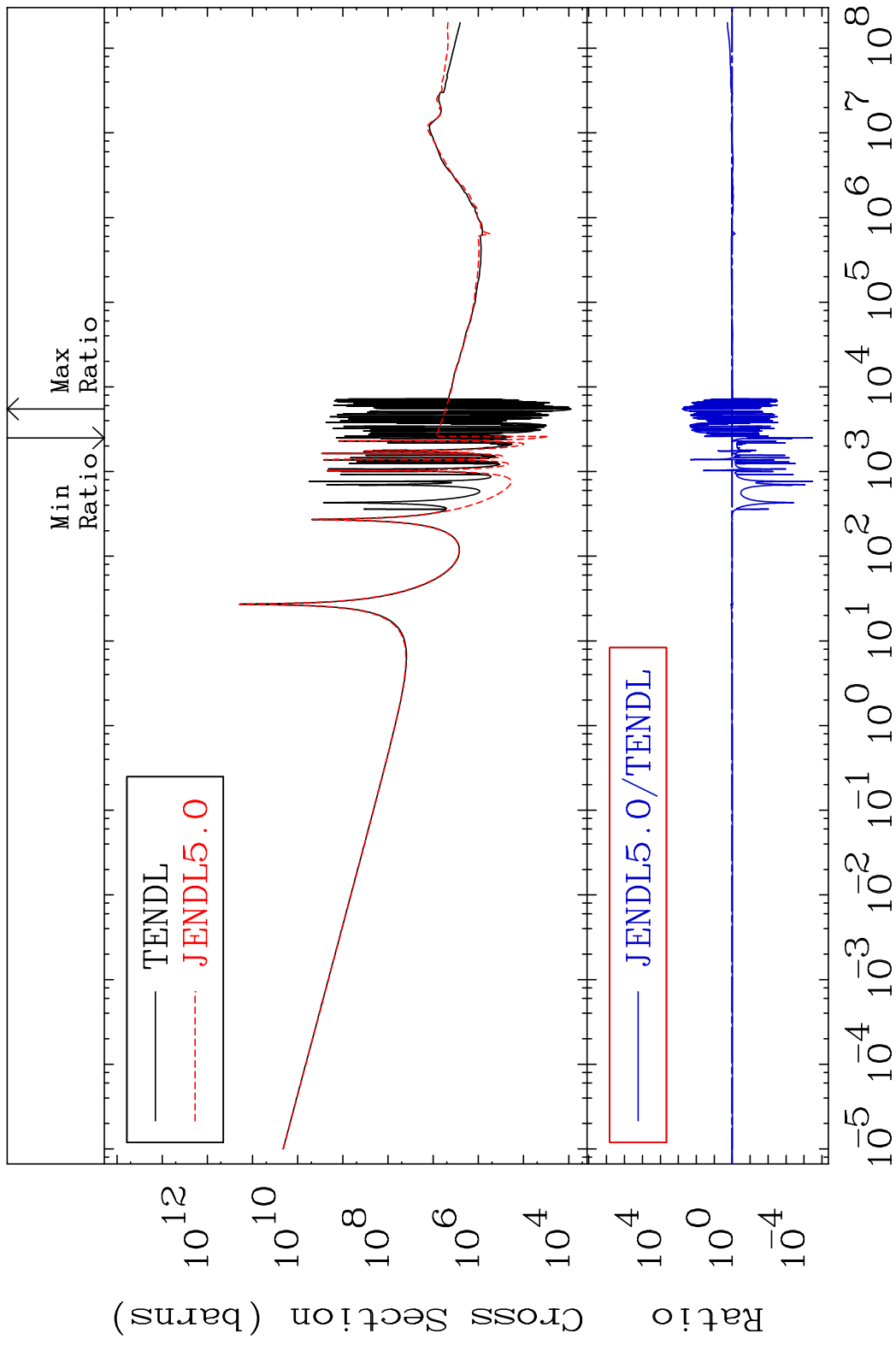


MAT 3425 Kerma capture (mt102) 34-Se-74  
 Cross Section -100.0 To 9999. %

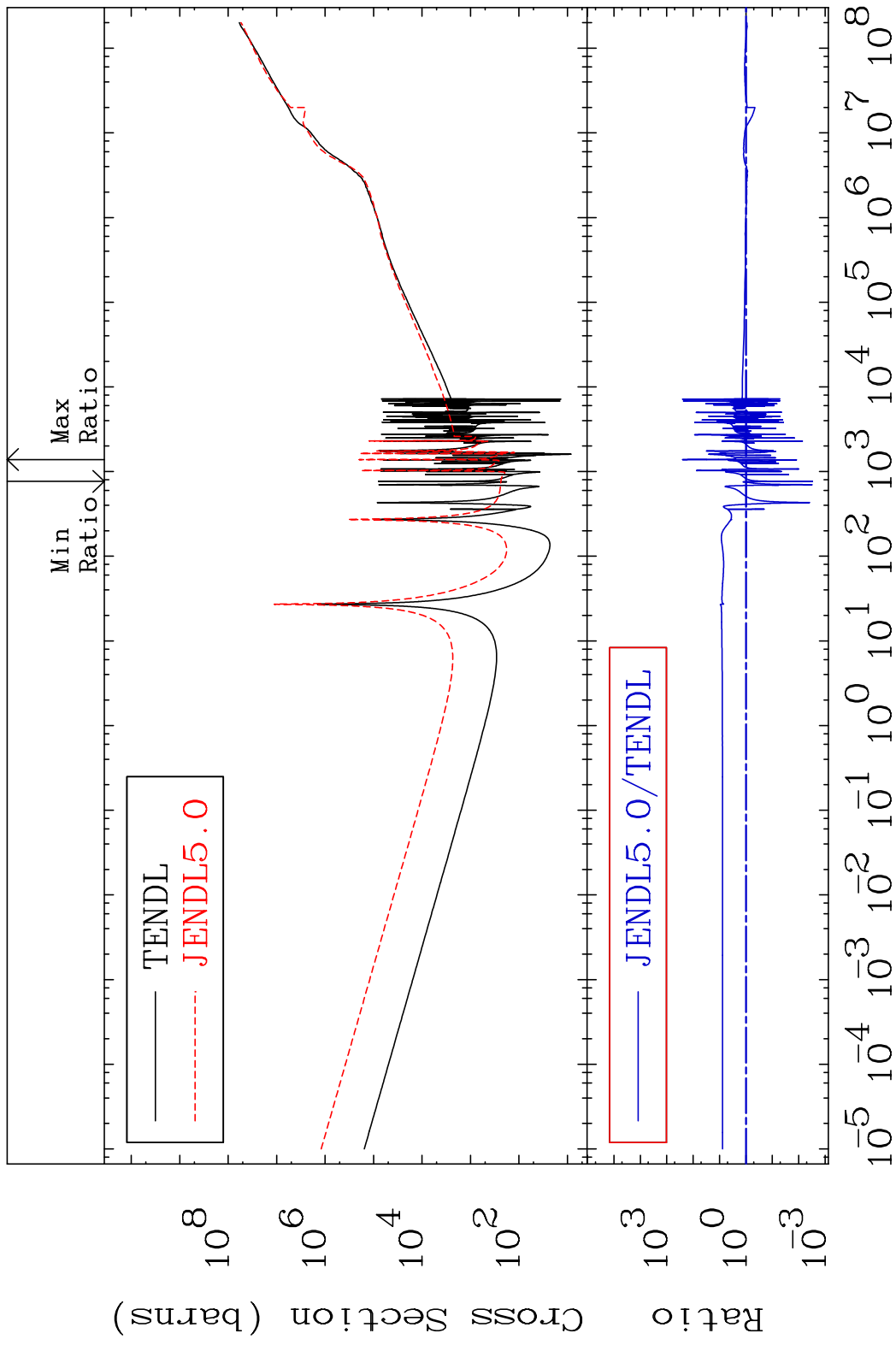


48 Incident Energy (eV) 34-Se-74

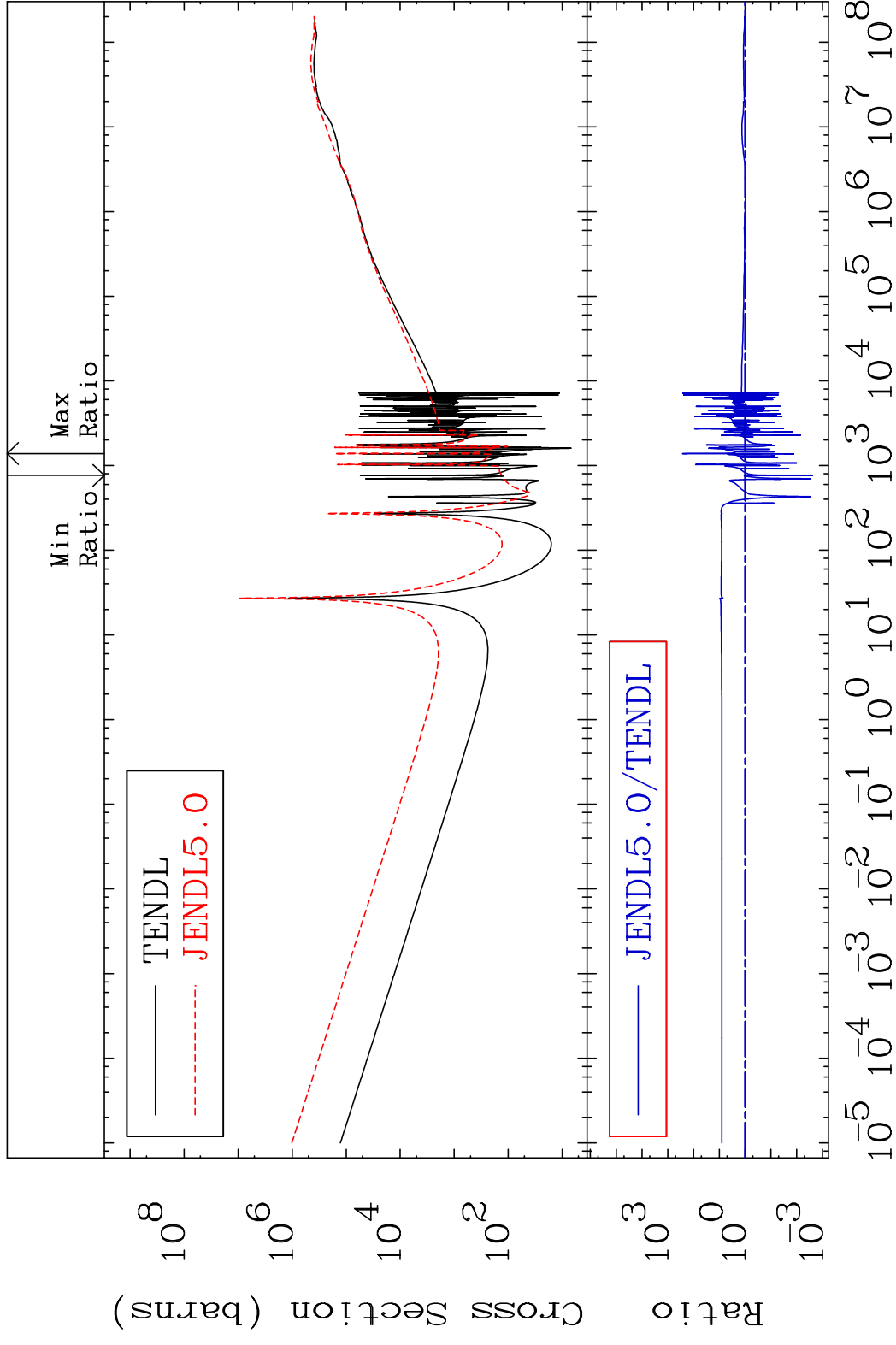
MAT 3425 Total photon (eV-barns) 34-Se-74  
 Cross Section -100.0 To 9999. %



MAT 3425 Total kinematic kerma (high limit) 34-Se-74  
 Cross Section -99.70 To 9999. %



MAT 3425      Dpa total (eV-barns)      34-Se-74  
 Cross Section      -99.76 To 9999. %

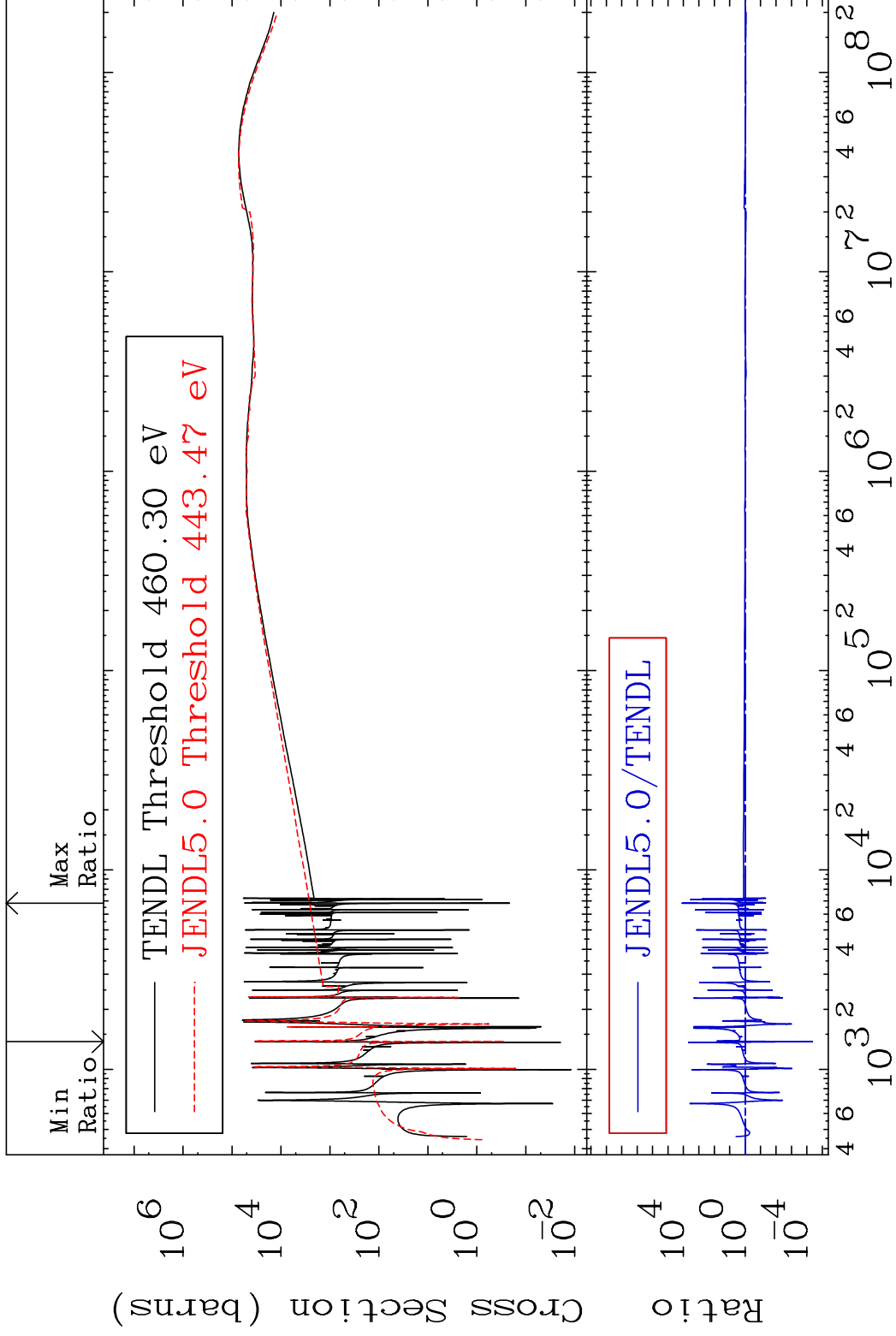


MAT 3425

Dpa elastic (mt2)

34-Se-74

Cross Section -100.0 To 9999. %

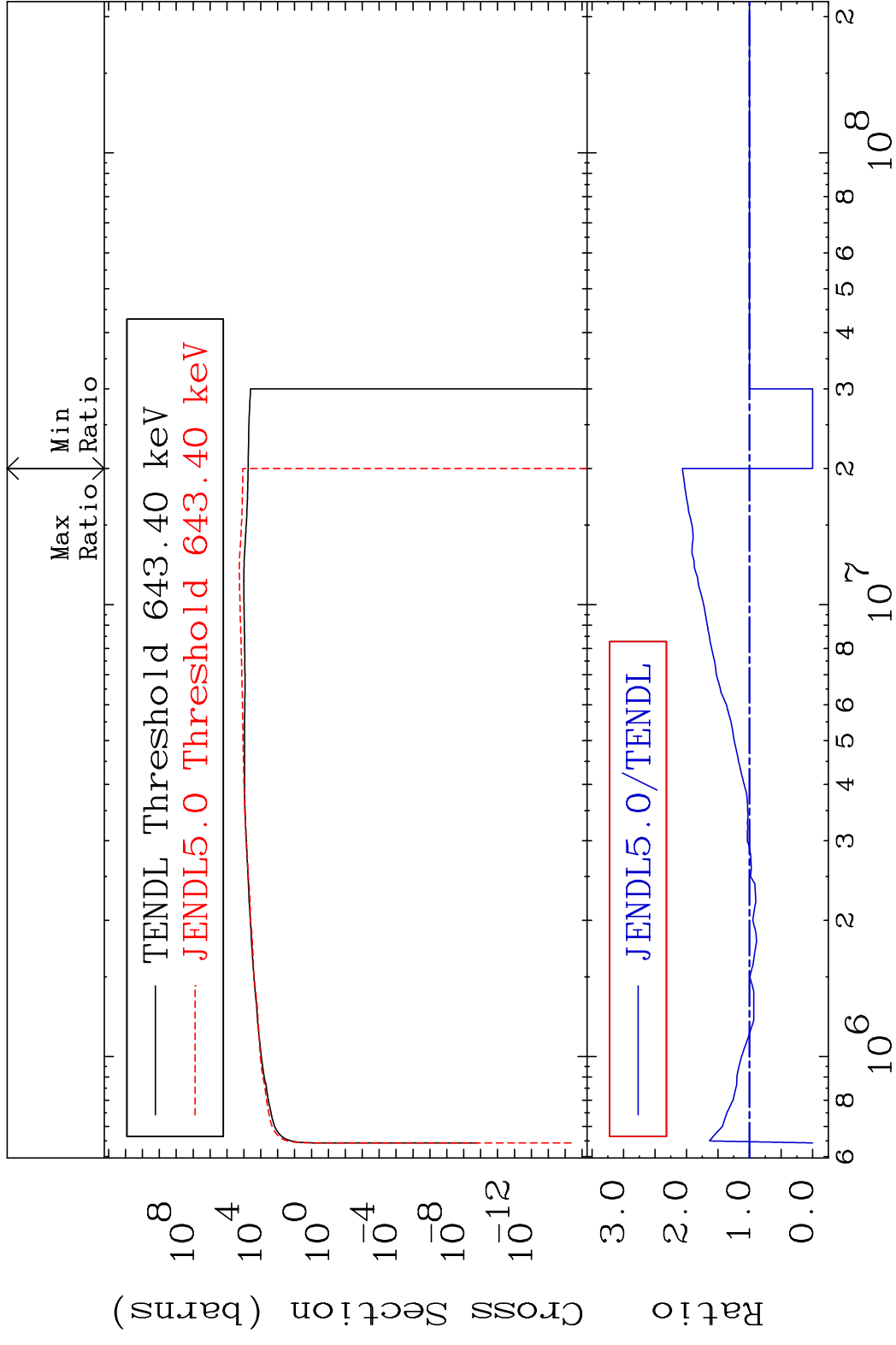


52

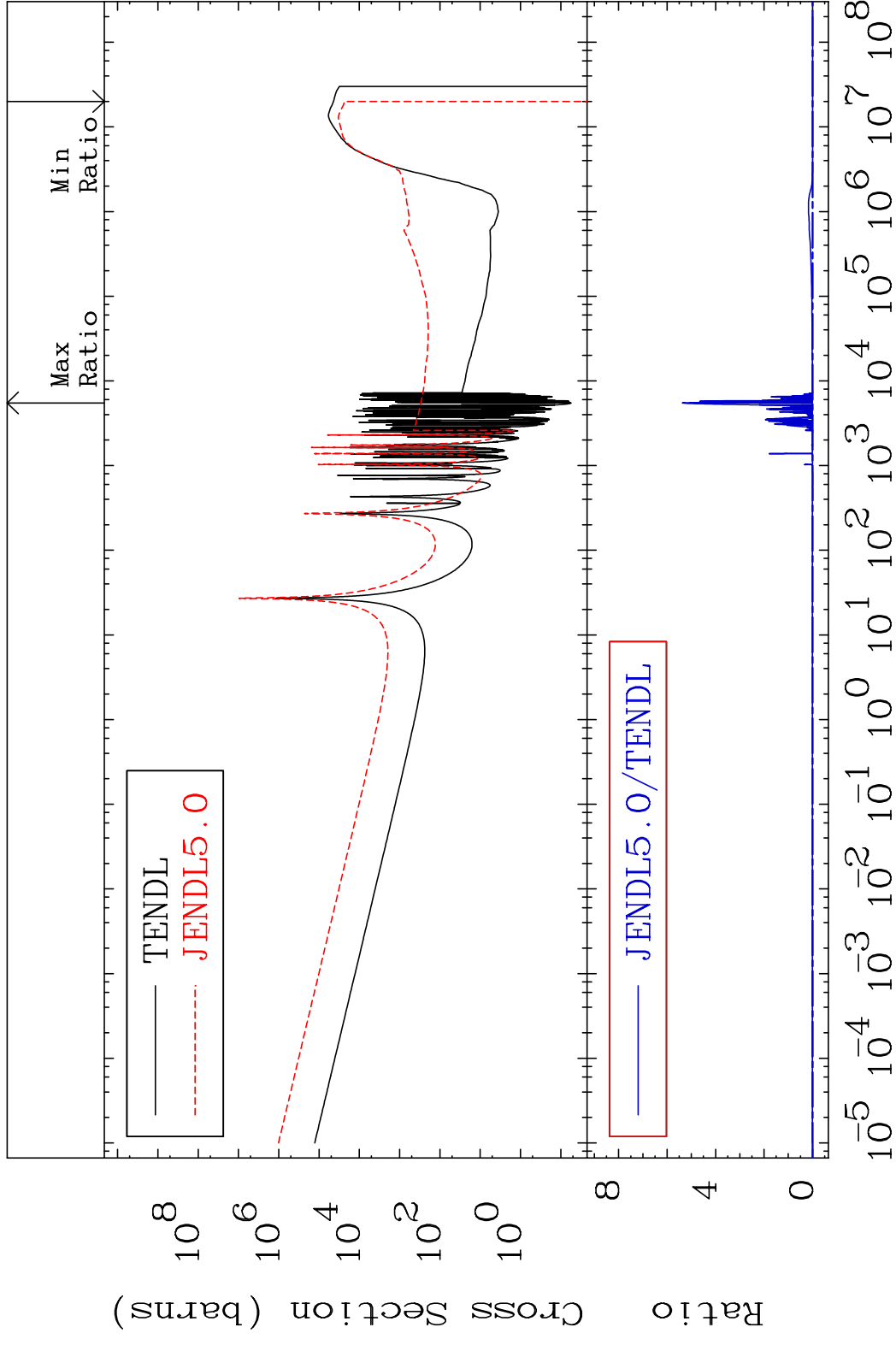
Incident Energy (eV)

34-Se-74

MAT 3425 Dpa inelastic (mt51-91) 34-Se-74  
 Cross Section -100.0 To 106.6 %

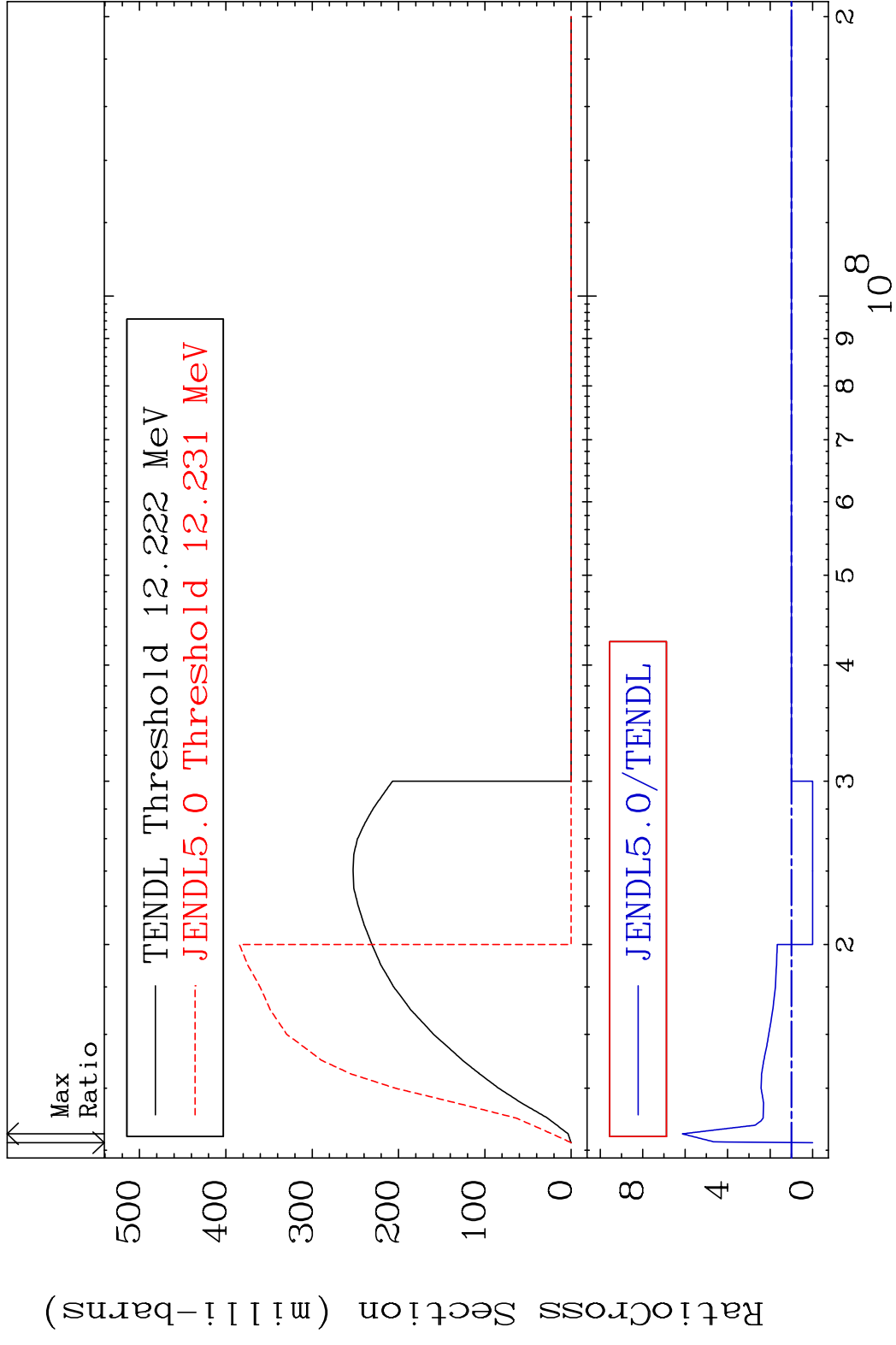


MAT 3425 Dpa disappearance (mt102 -120) 34-Se-74  
 Cross Section -100.0 To 9999. %



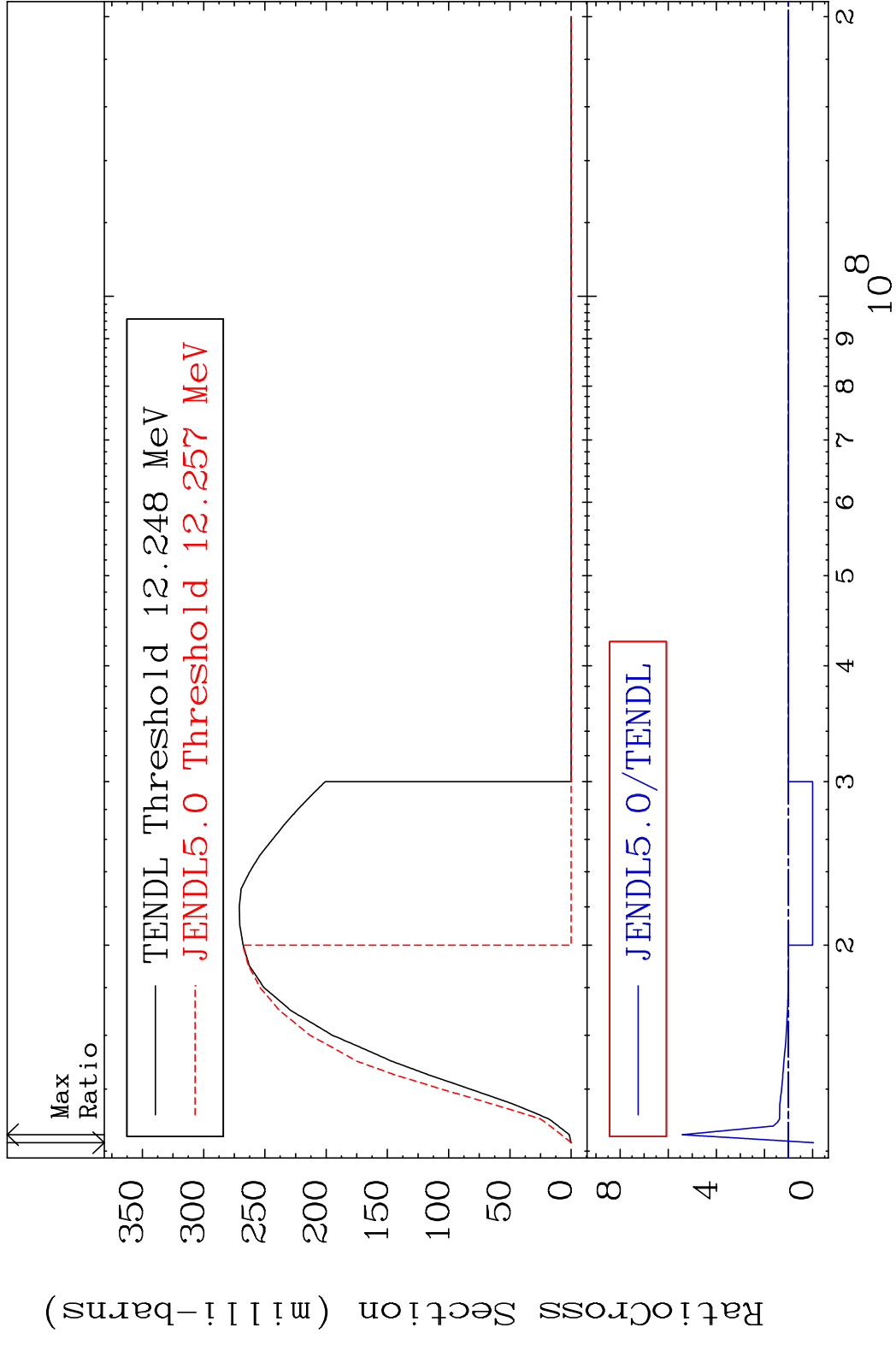
54 Incident Energy (eV) 34-Se-74

MAT 3425 (n,2n):34-Se-73g 34-Se-74  
 Radionuclide Production Cross Section Ratio 513.4 %





MAT 3425 (n,2n):34-Se-73m1 34-Se-74  
 Radionuclide Production Cross Section Ratio 441.0 %

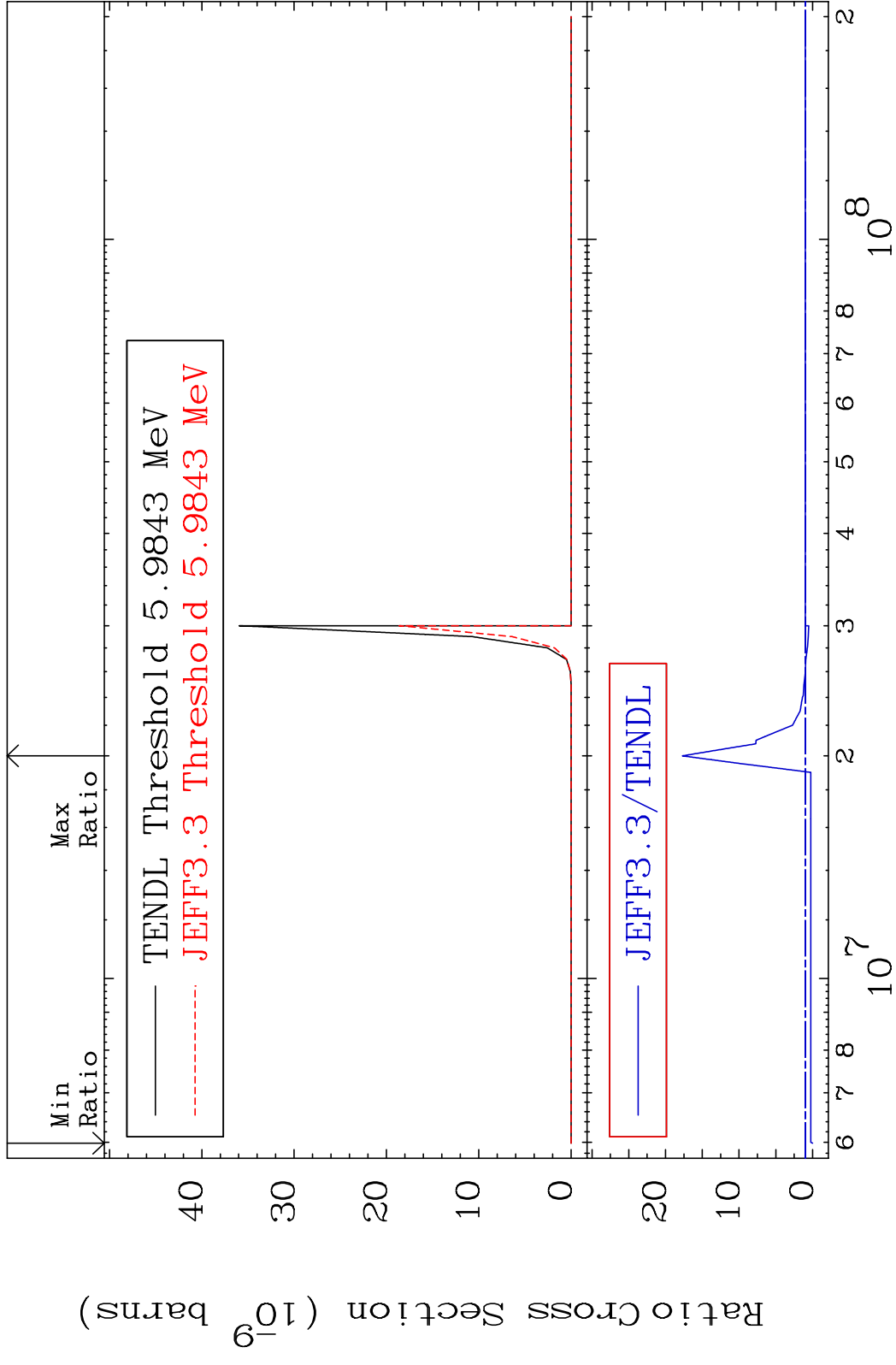


MAT 3425

(n,3α)

34-Se-74

Cross Section -100.0 To 1671. %

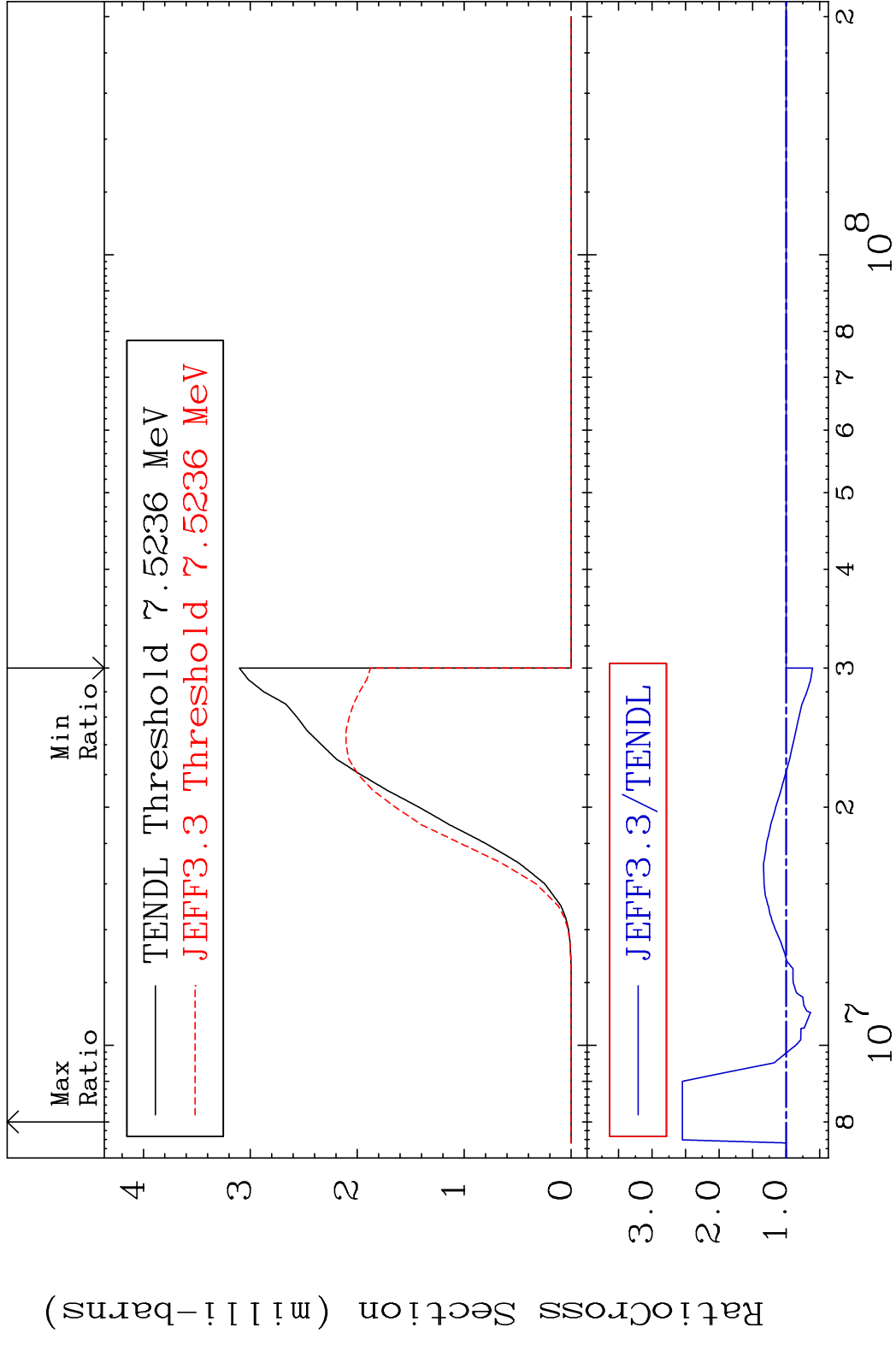


MAT 3425

(n,2p)

<sup>34</sup>Se-74

Cross Section -39.52 To 154.8 %

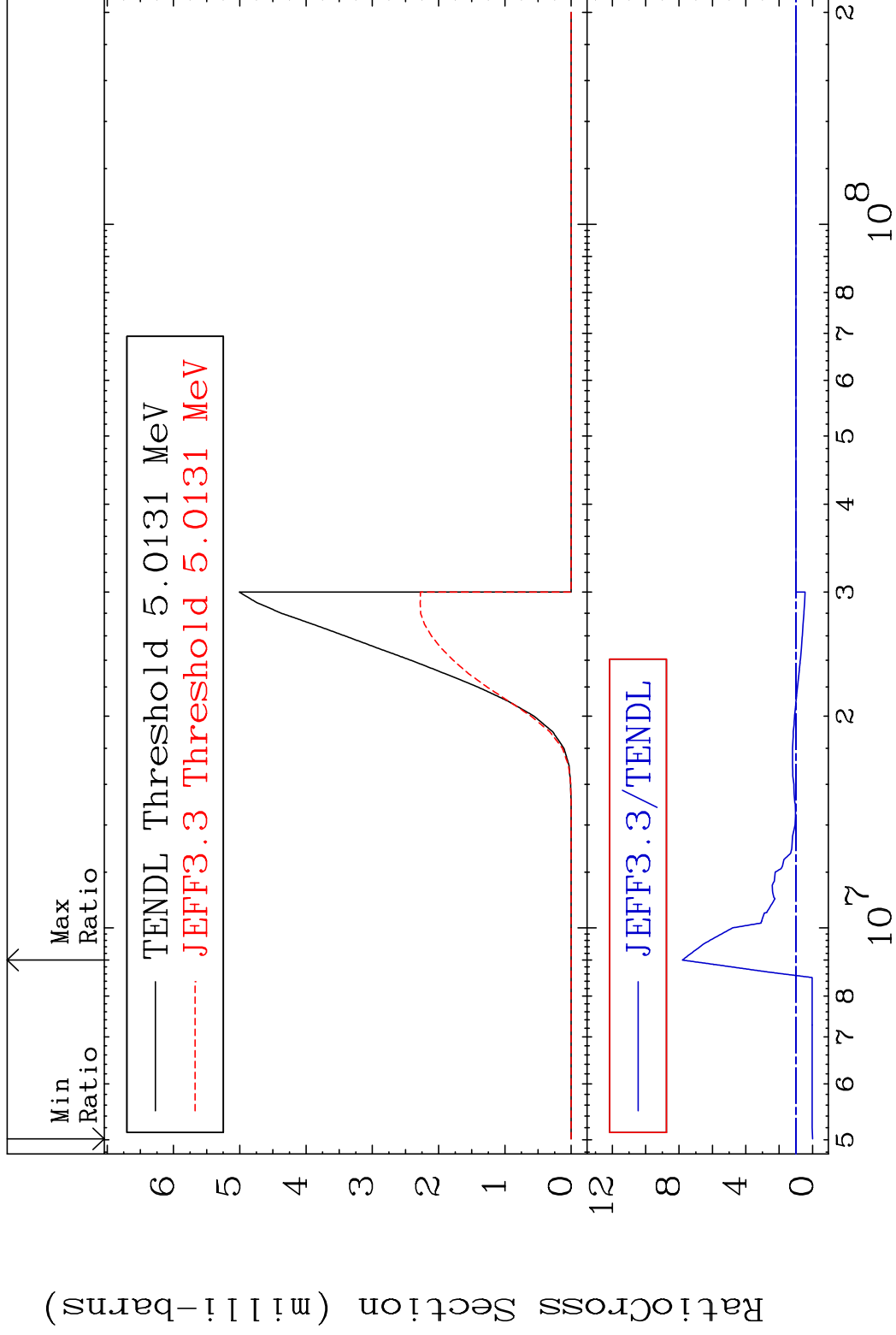


MAT 3425

(n,p)  $\alpha$

$^{34}\text{Se-74}$

Cross Section -100.0 To 680.2 %



59

Incident Energy (eV)

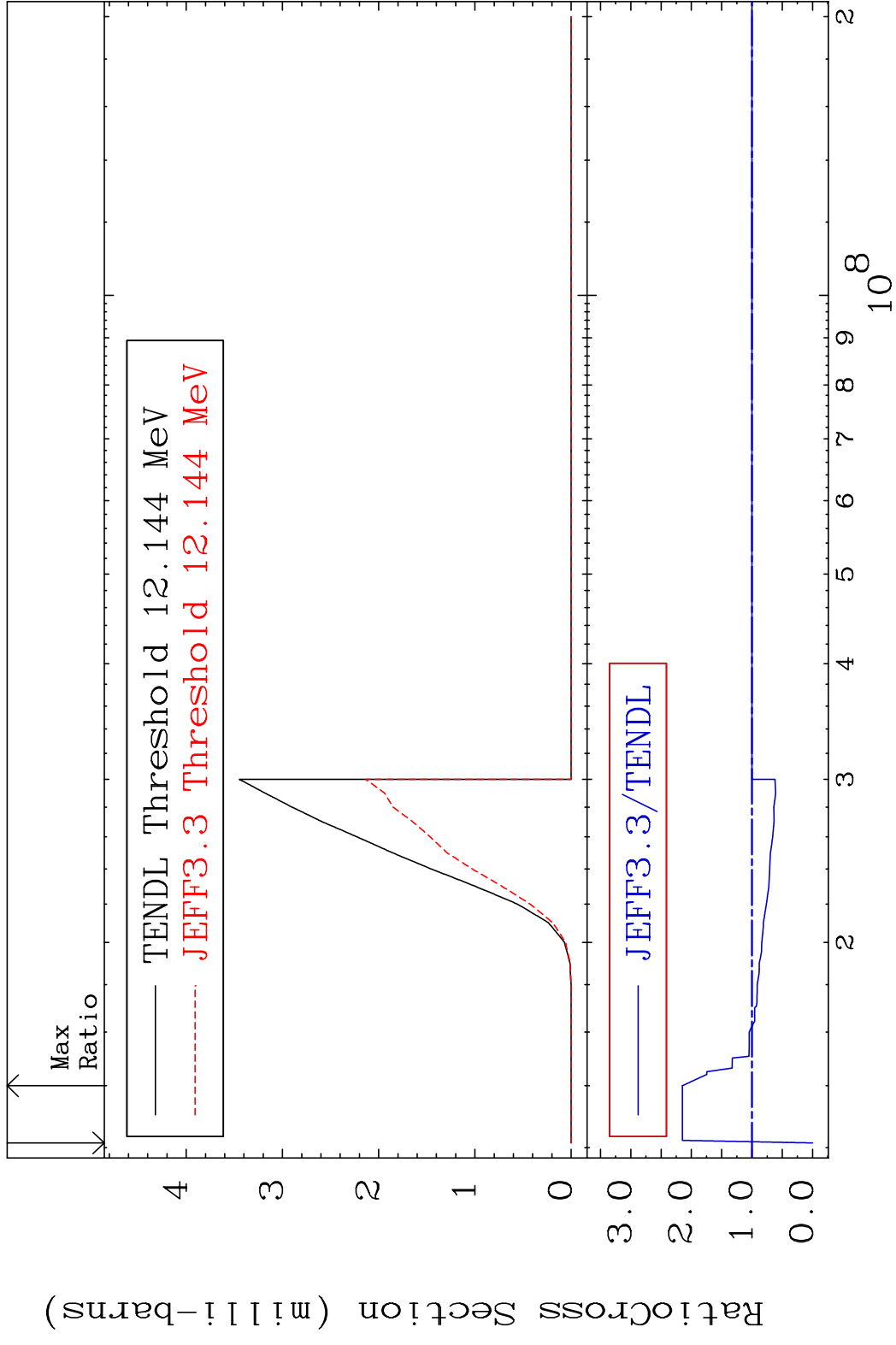
$^{34}\text{Se-74}$

MAT 3425

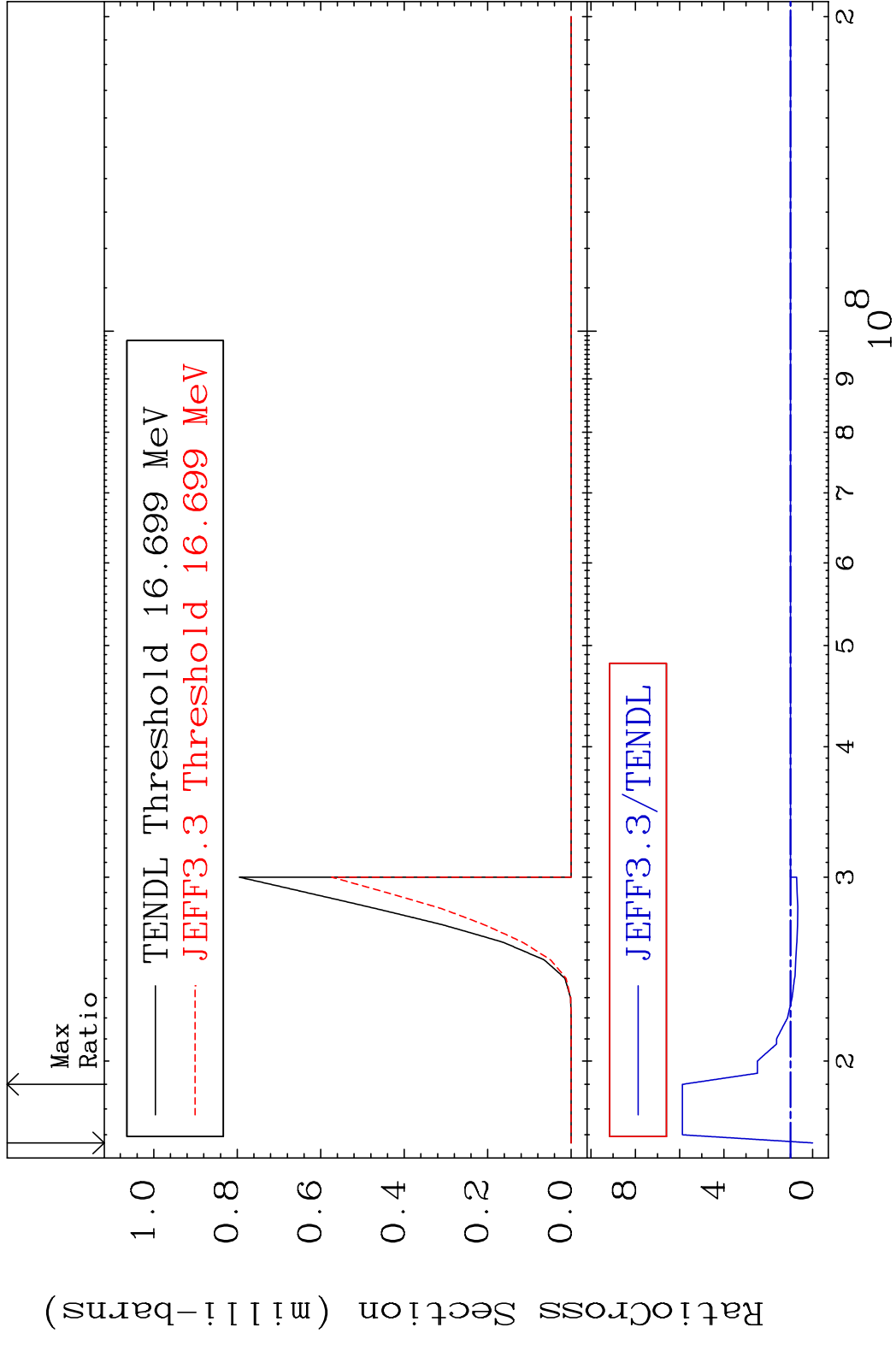
(n,p) d

<sup>34</sup>Se-74

Cross Section -100.0 To 114.9 %



MAT 3425 (n,p) t 34-Se-74  
 Cross Section -100.0 To 487.7 %

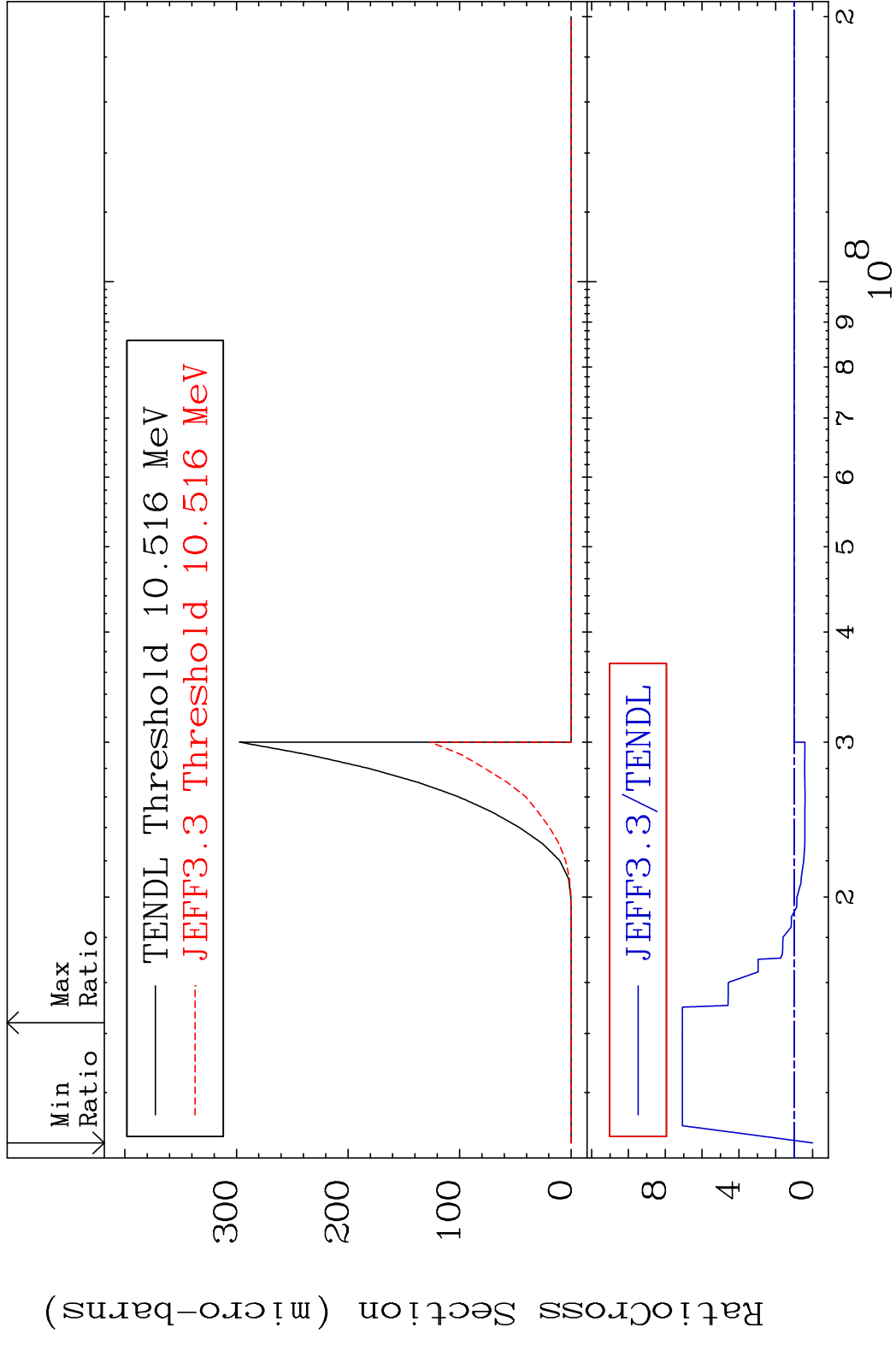


MAT 3425

(n,d)  $\alpha$

<sup>34</sup>Se-74

Cross Section -100.0 To 607.2 %

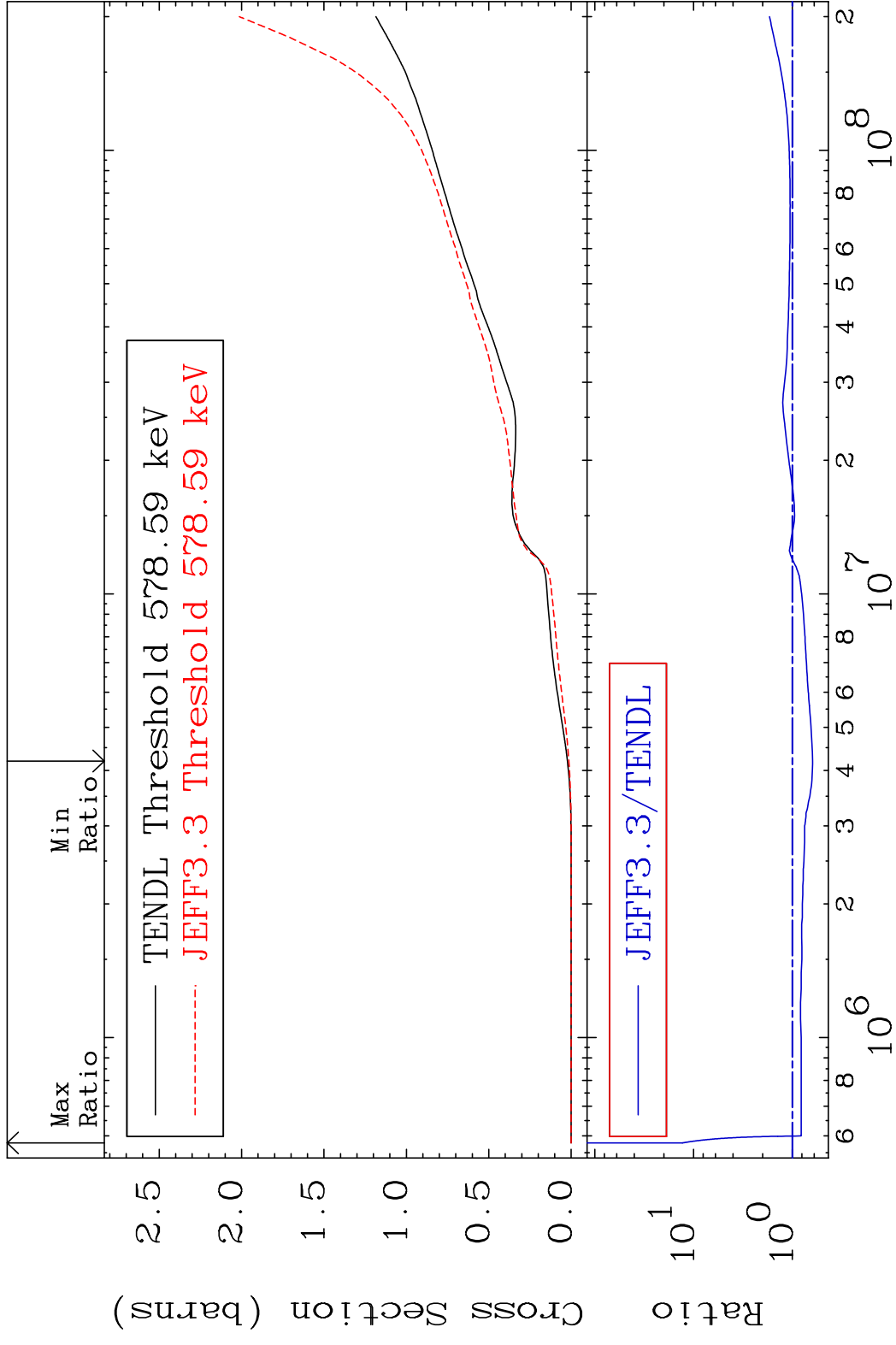


MAT 3425

Hydrogen Production

<sup>34</sup>Se-74

Cross Section -37.59 To 1201. %



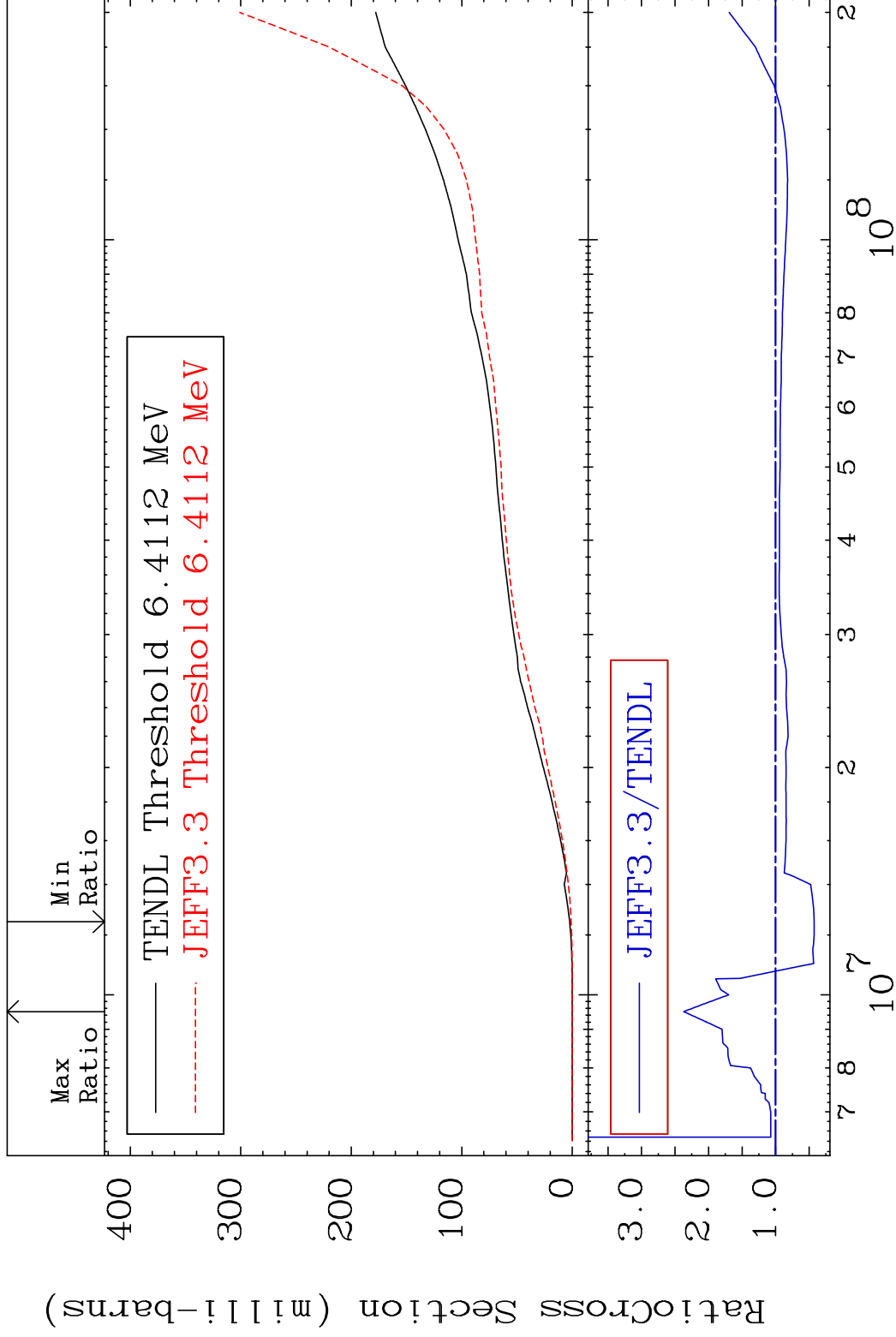


MAT 3425

Deuterium Production

<sup>34</sup>Se-74

Cross Section -57.42 To 137.1 %

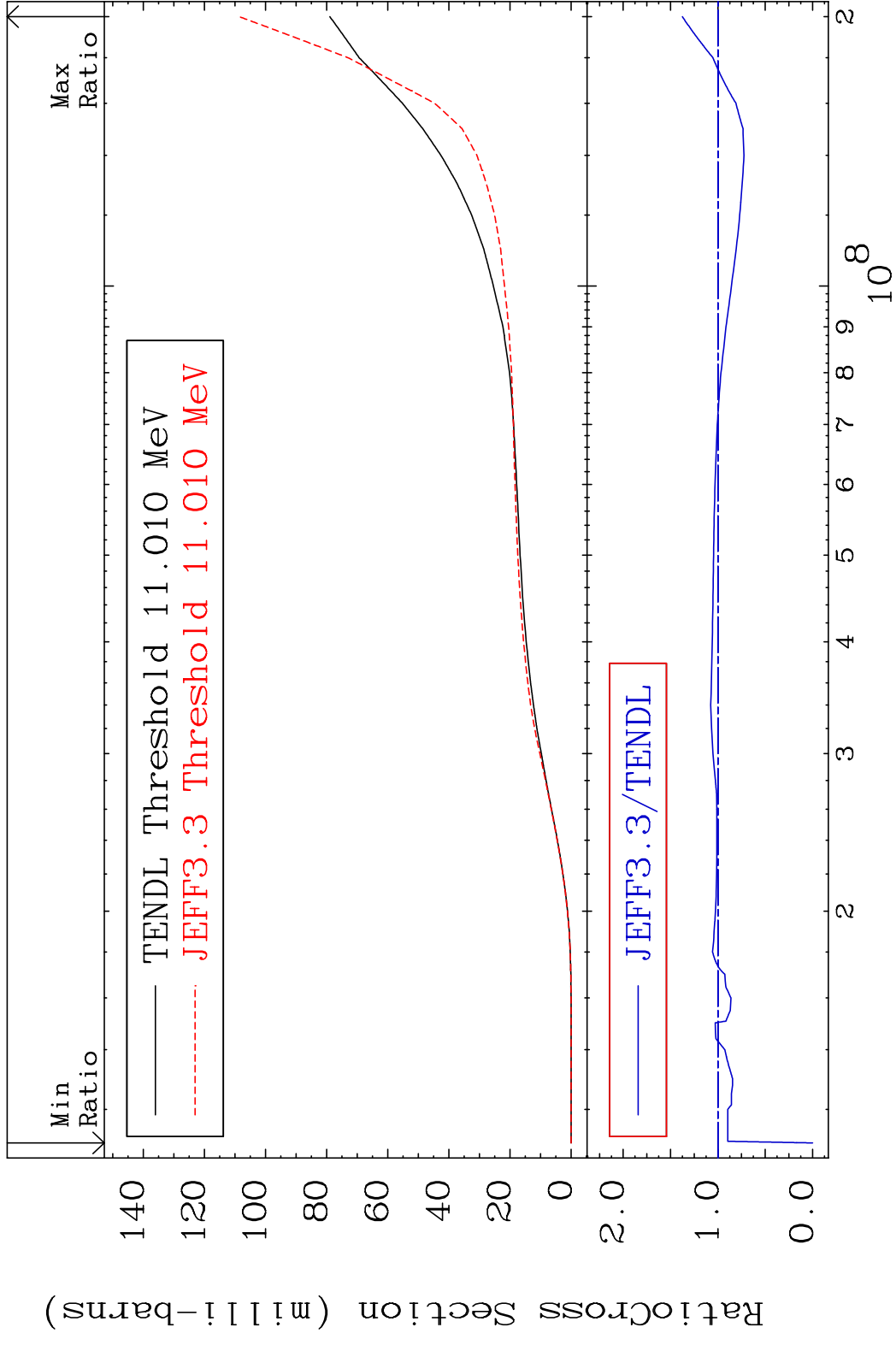


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Incident Energy (eV)

<sup>34</sup>Se-74

MAT 3425 Tritium Production 34-Se-74  
 Cross Section -100.0 To 37.52 %

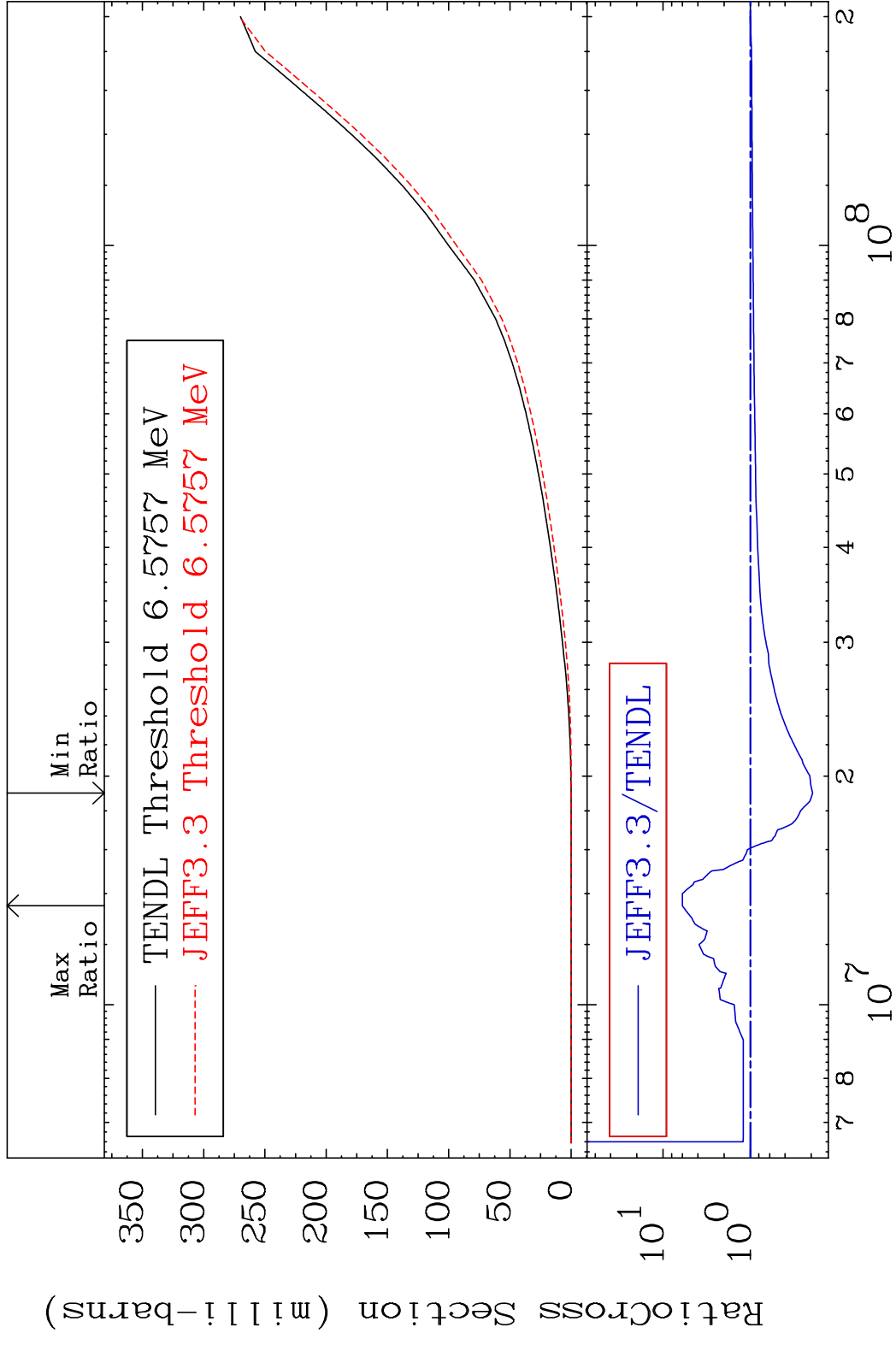


MAT 3425

He-3 Production

<sup>34</sup>Se-74

Cross Section -80.66 To 501.7 %



66

Incident Energy (eV)

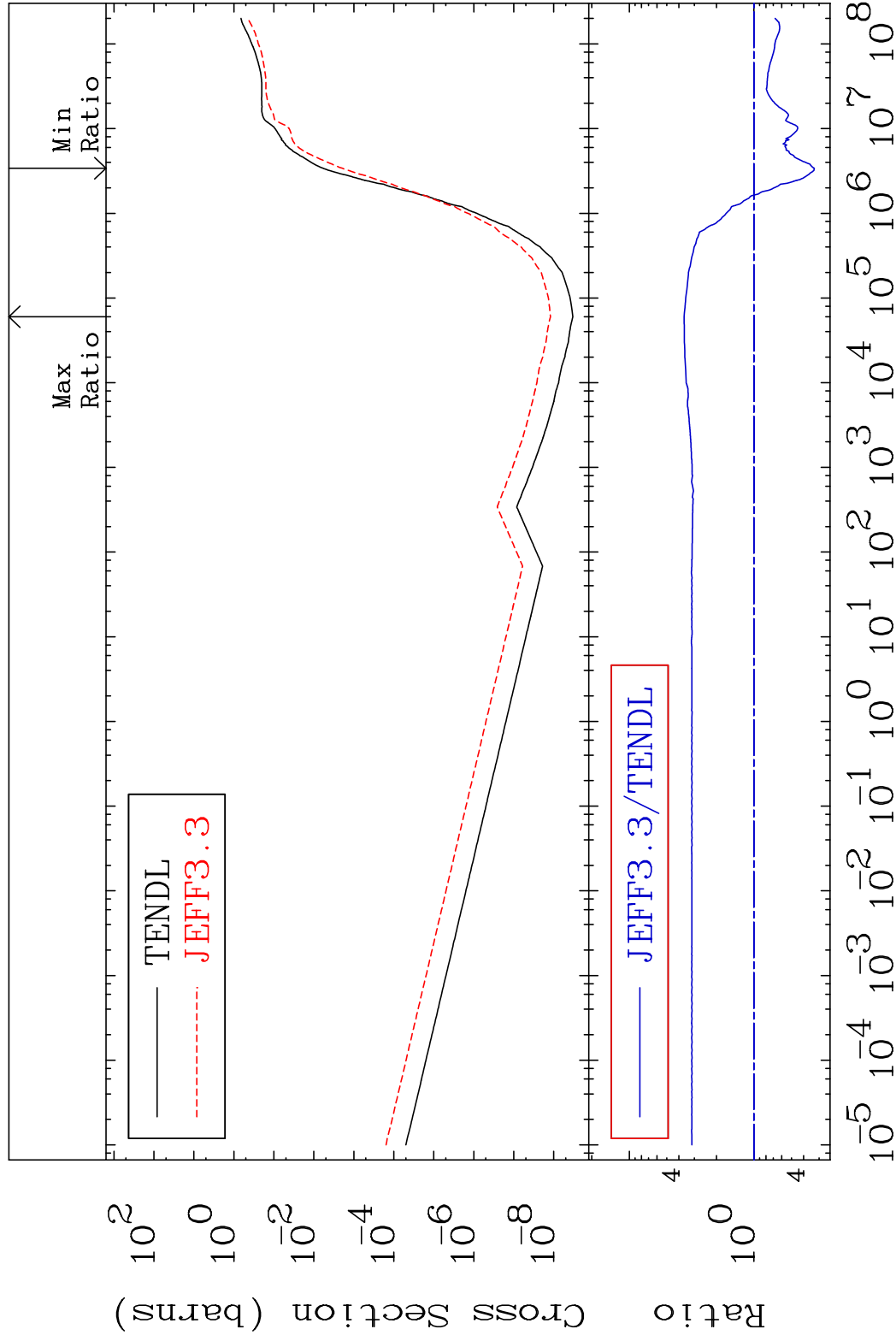
<sup>34</sup>Se-74

MAT 3425

He-4 Production

34-Se-74

Cross Section -67.18 To 263.5 %

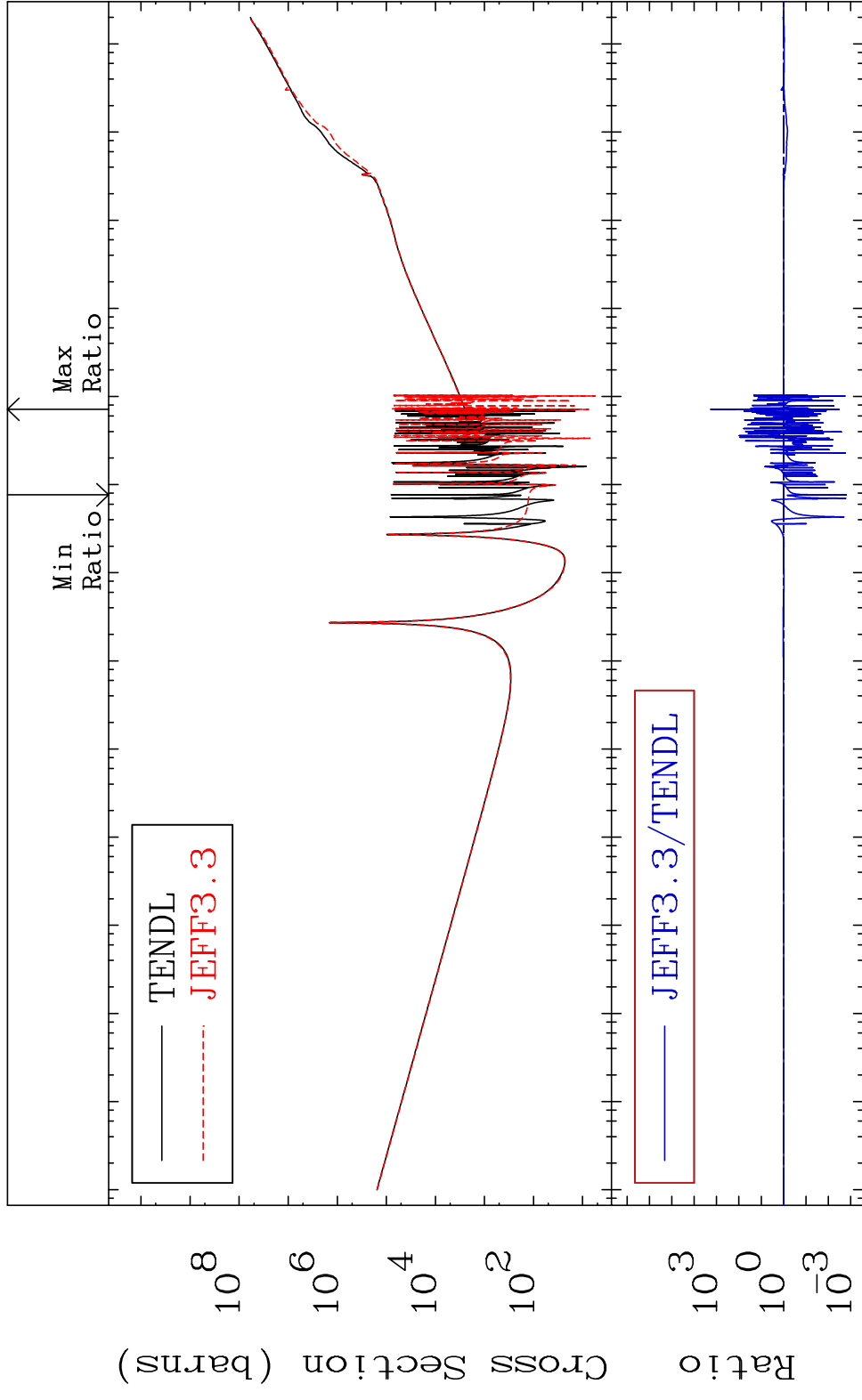


67

Incident Energy (eV)

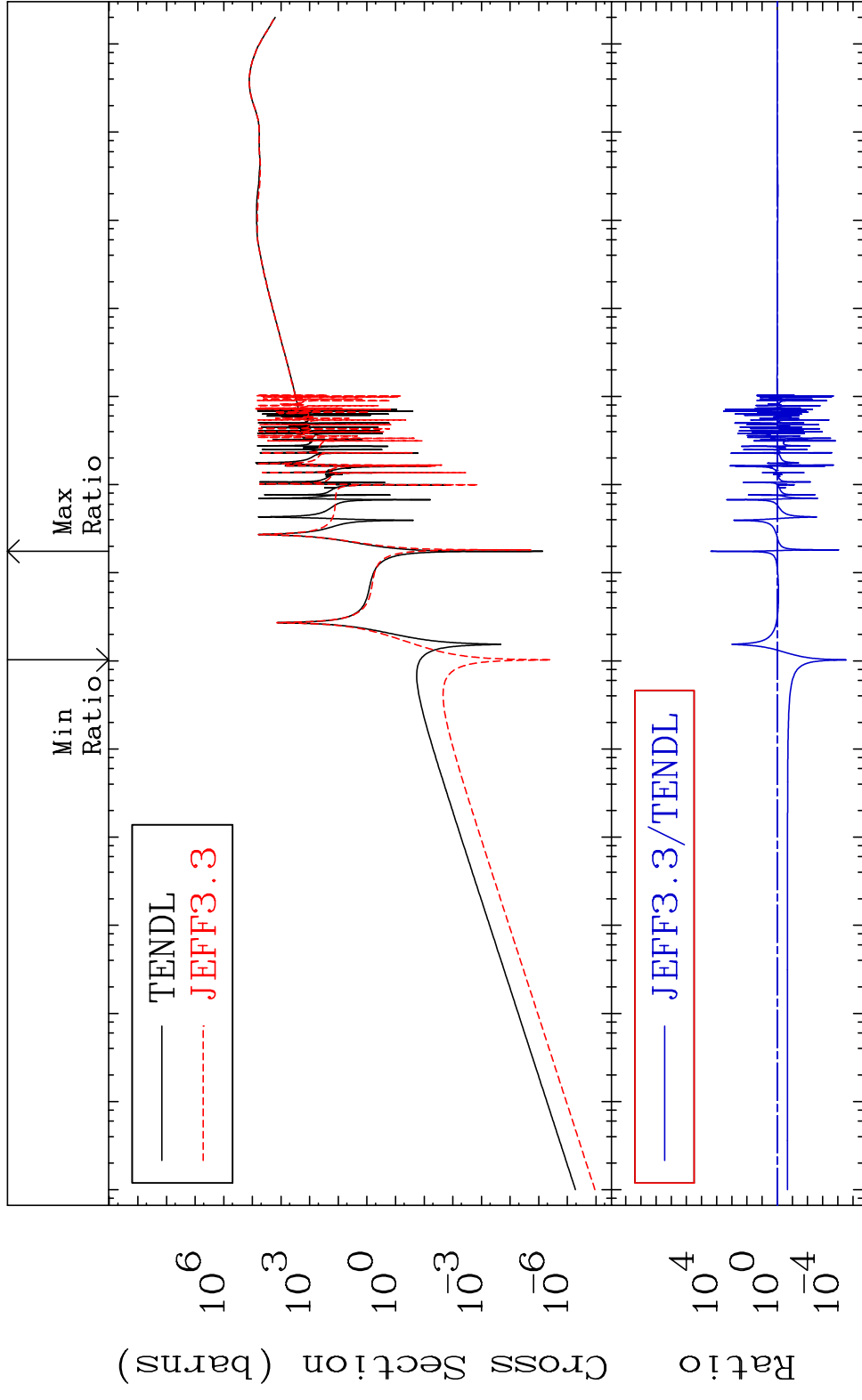
34-Se-74

MAT 3425 Kerma total (eV-barns) 34-Se-74  
 Cross Section -99.84 To 9999. %

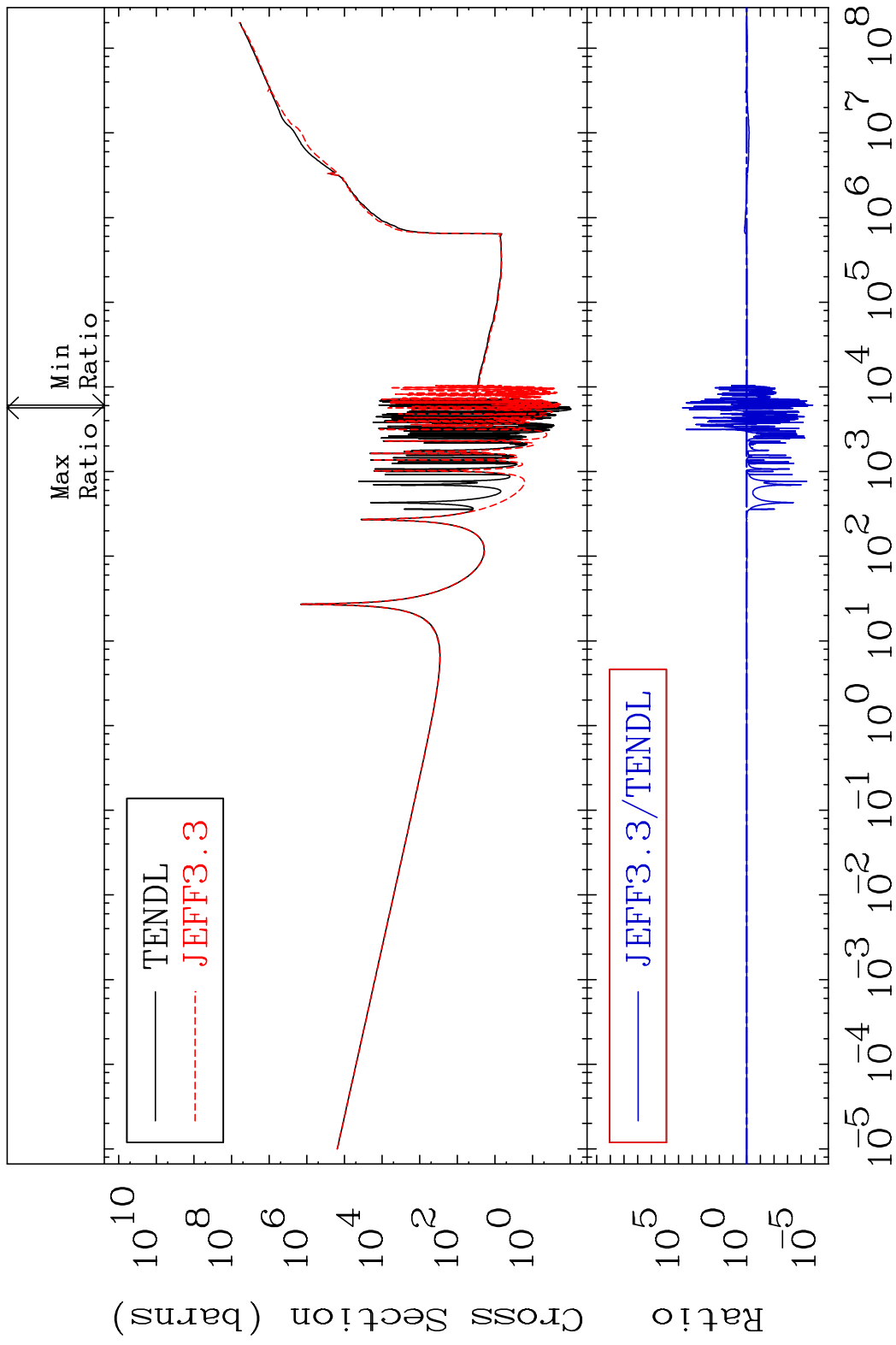


MAT 3425

Kerma elastic Cross Section -100.0 To 9999. %  
34-Se-74

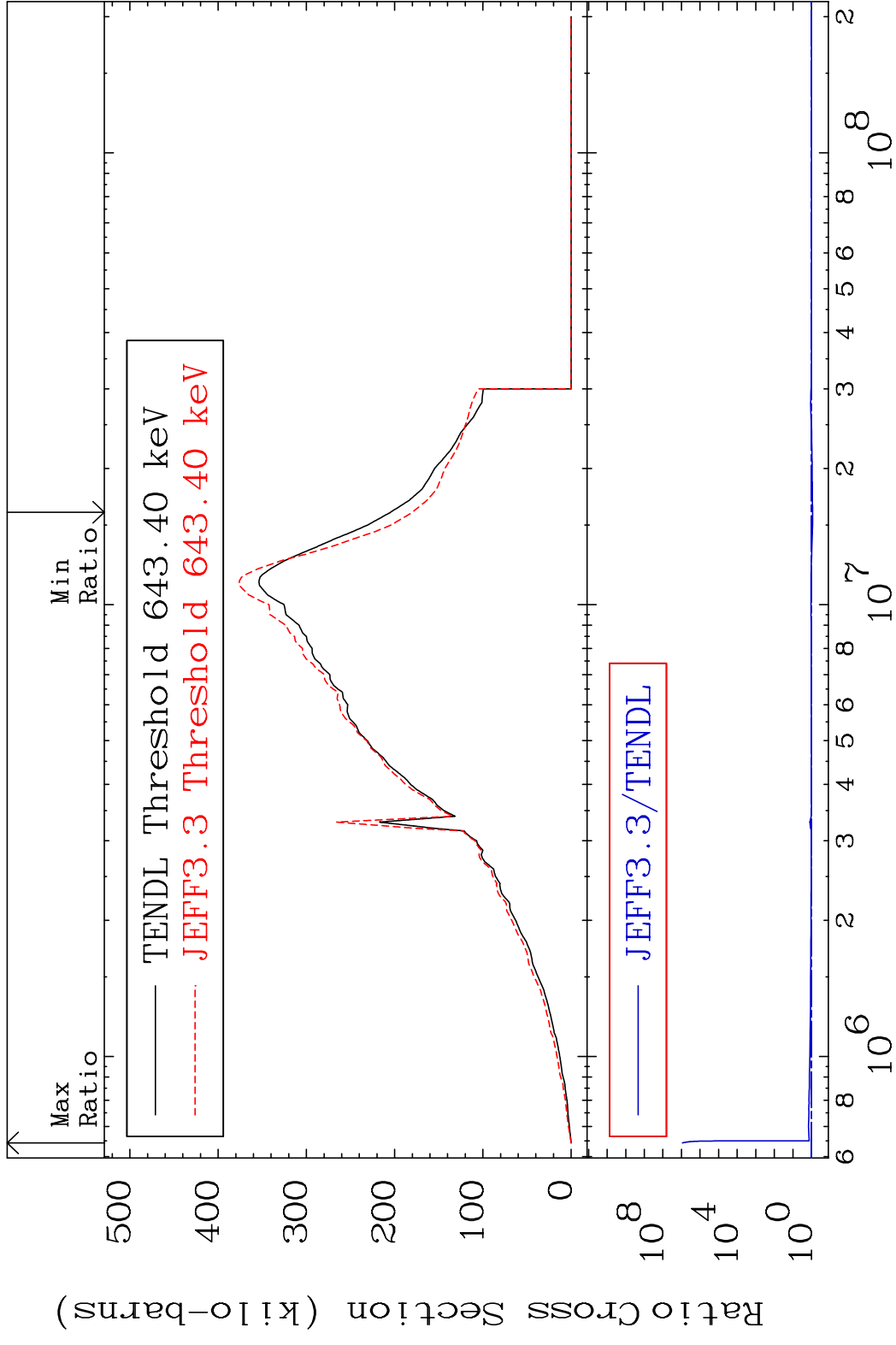


MAT 3425 Kerma non-elastic (all but mt2) 34-Se-74  
 Cross Section -100.0 To 9999. %



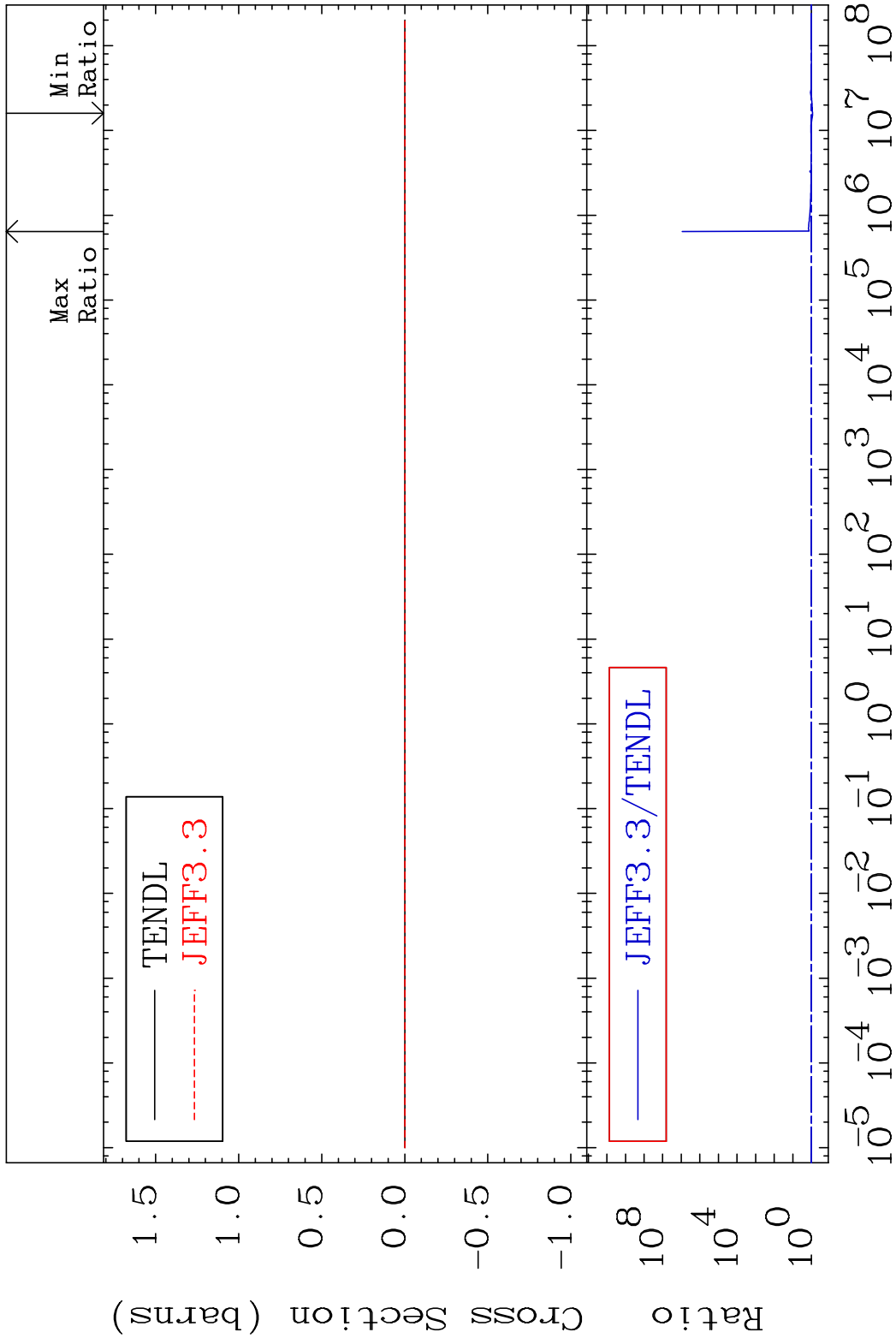
70 Incident Energy (eV) 34-Se-74

MAT 3425 Kerma inelastic (mt51-91) 34-Se-74  
 Cross Section -12.12 To 9999. %



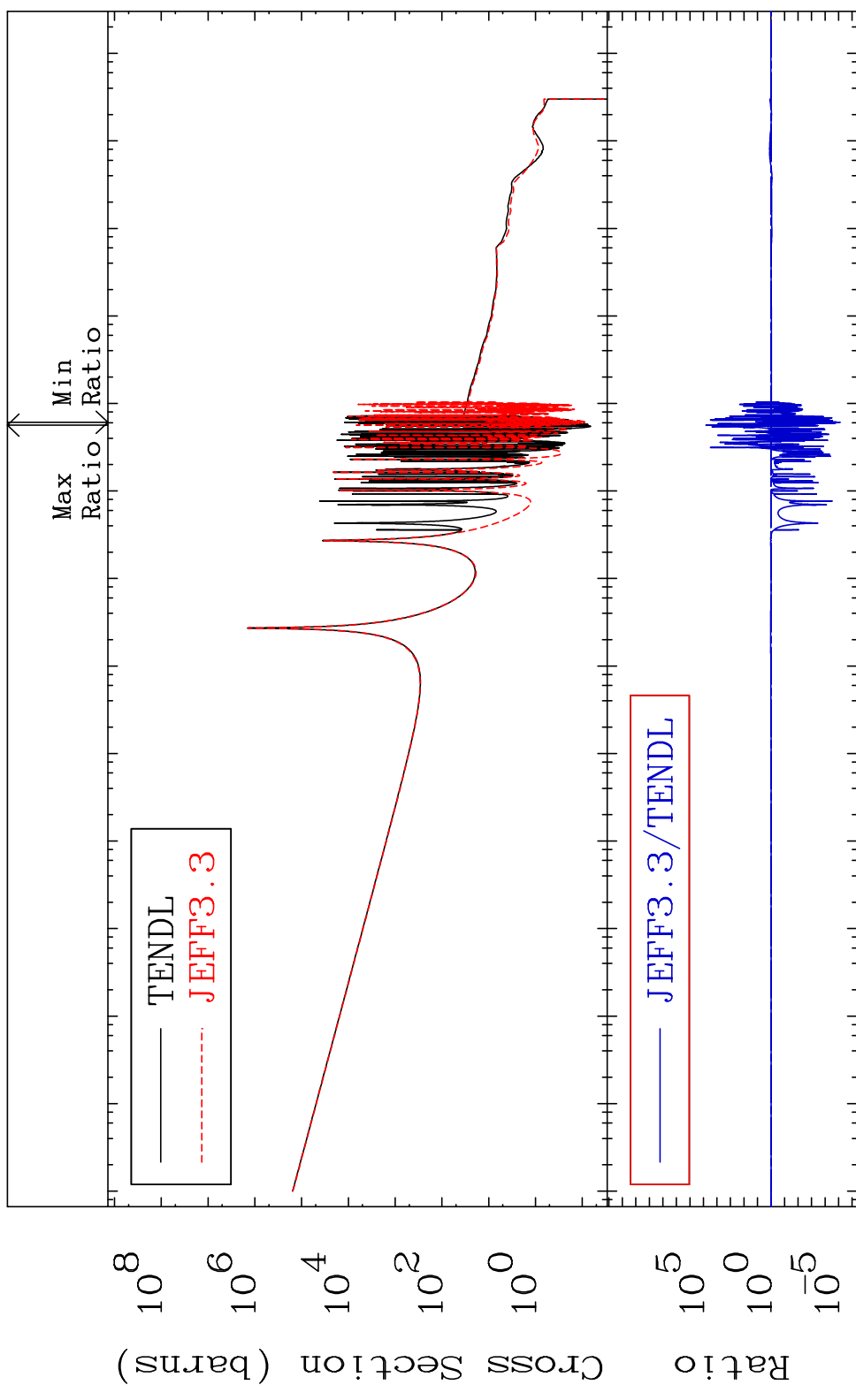


MAT 3425 Kerma fission (mt18 or mt19-20-21-38) 34-Se-74  
 Cross Section -12.12 To 9999. %



MAT 3425

Kerma capture (mt102) 34-Se-74  
Cross Section -100.0 To 9999. %



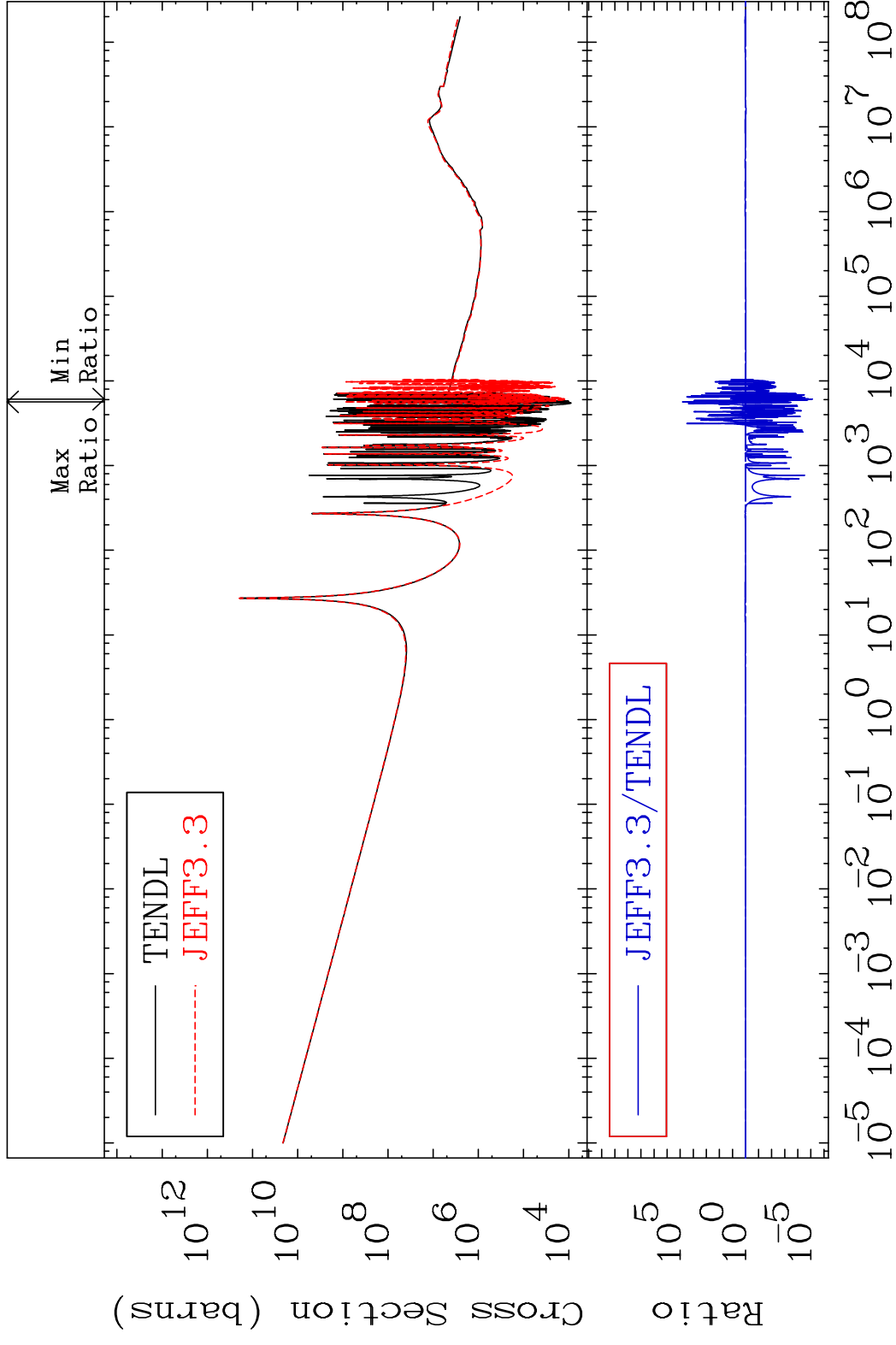
73

Incident Energy (eV)

34-Se-74

MAT 3425

Total photon (eV-barns) 34-Se-74  
Cross Section -100.0 To 9999. %

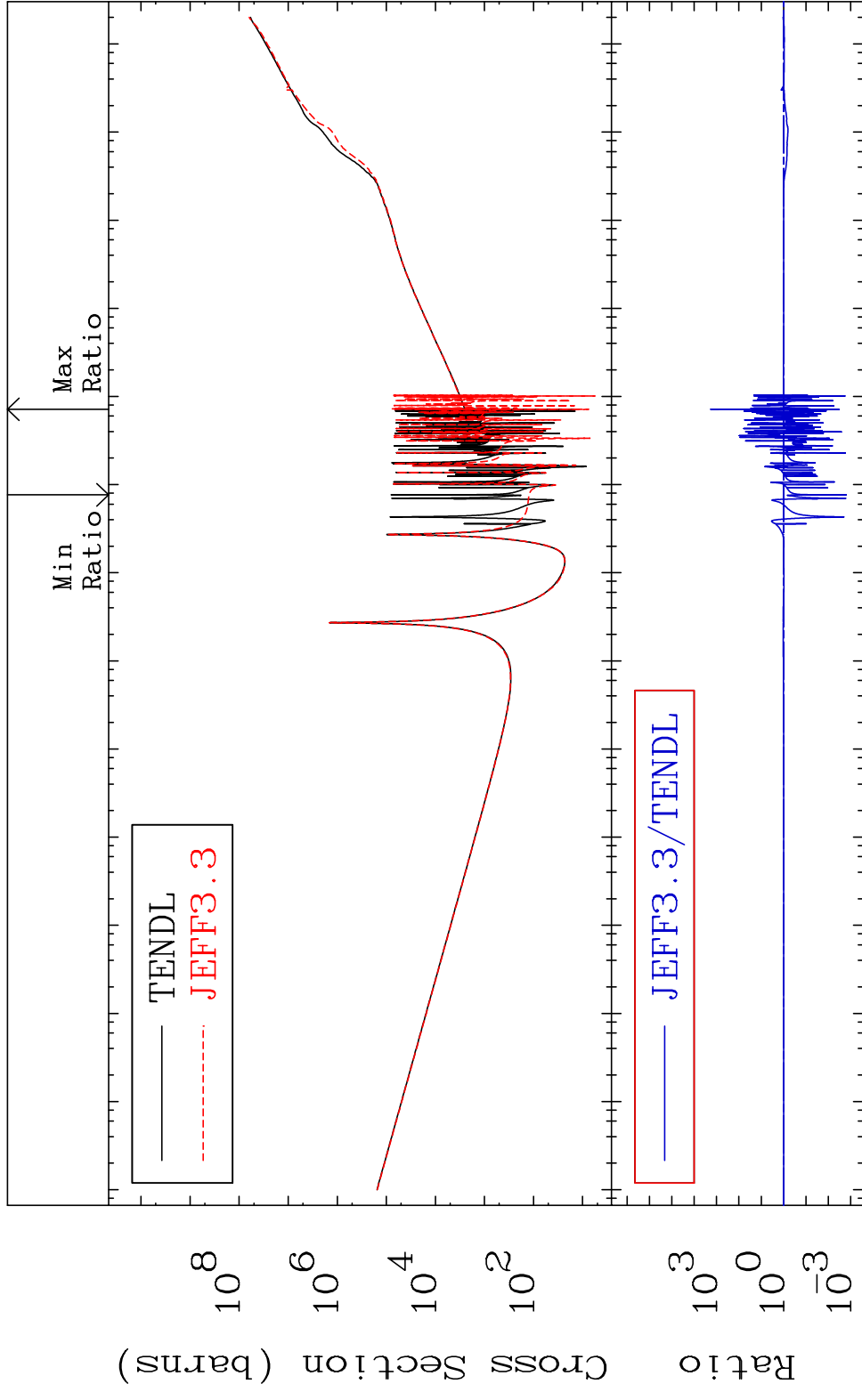


74

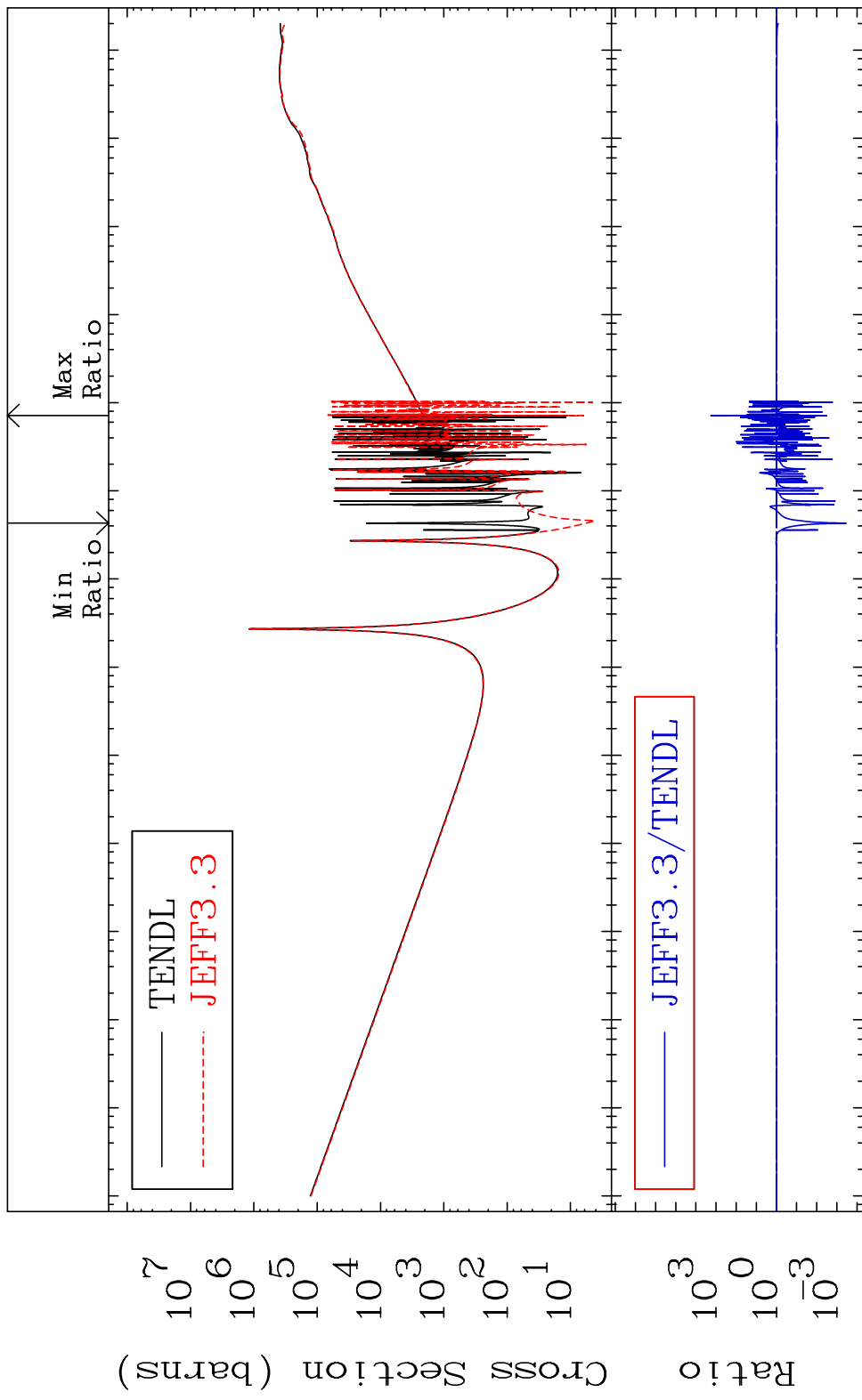
Incident Energy (eV)

34-Se-74

MAT 3425 Total kinematic kerma (high limit) 34-Se-74  
 Cross Section -99.84 To 9999. %



MAT 3425      Dpa total (eV-barns)      34-Se-74  
 Cross Section      -99.97 To 9999. %

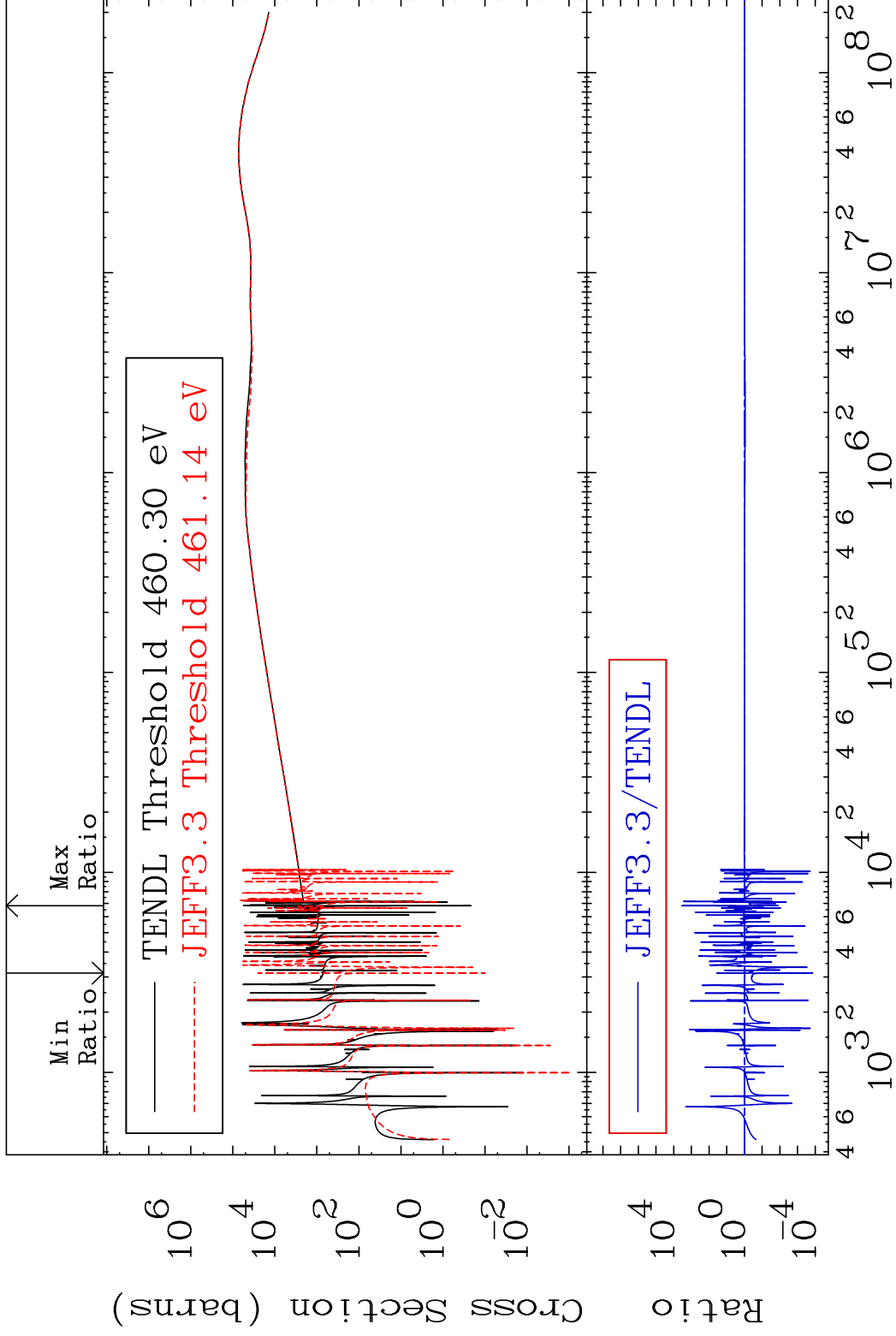


MAT 3425

Dpa elastic (mt2)

34-Se-74

Cross Section -99.99 To 9999. %

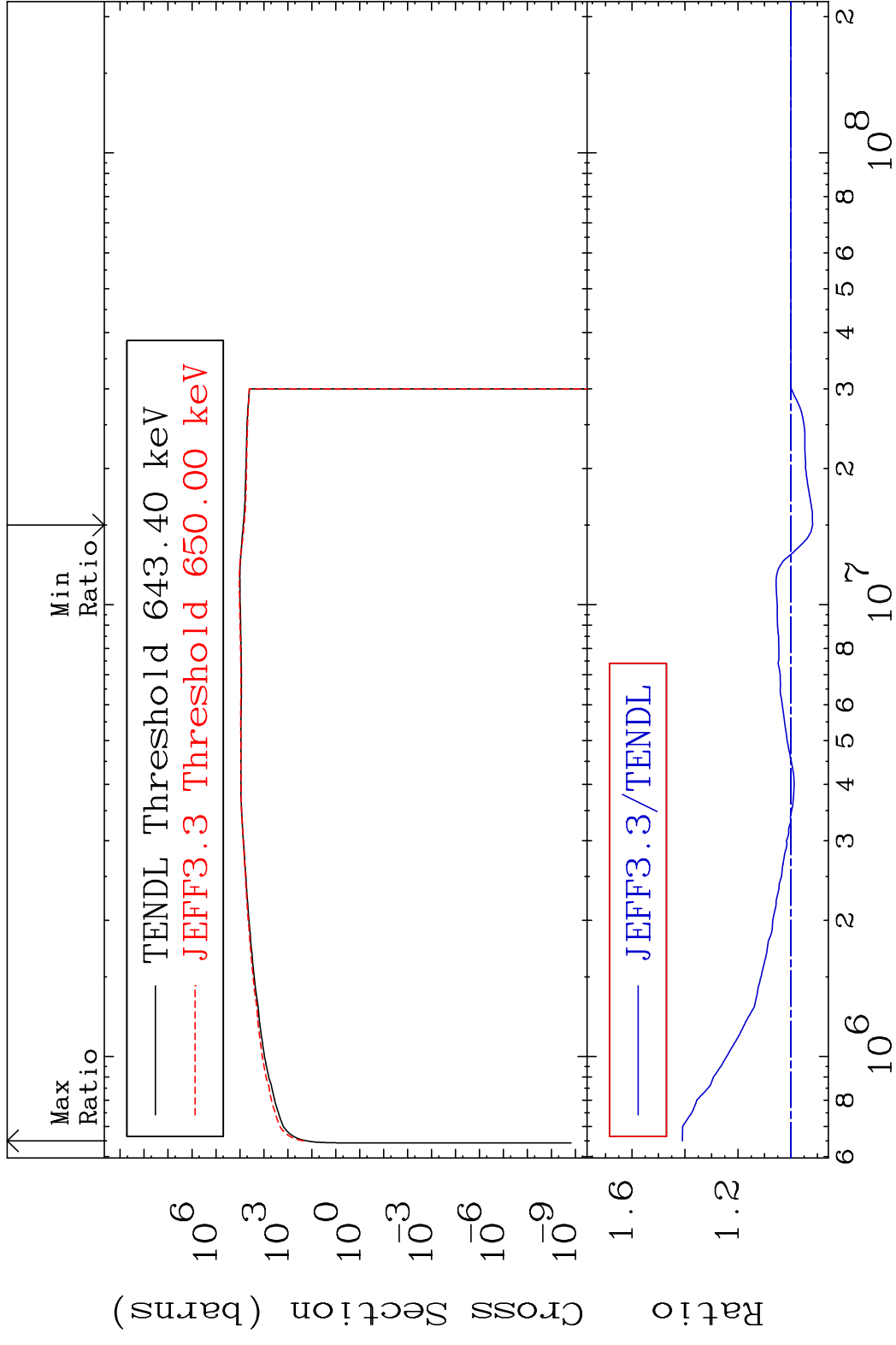


77

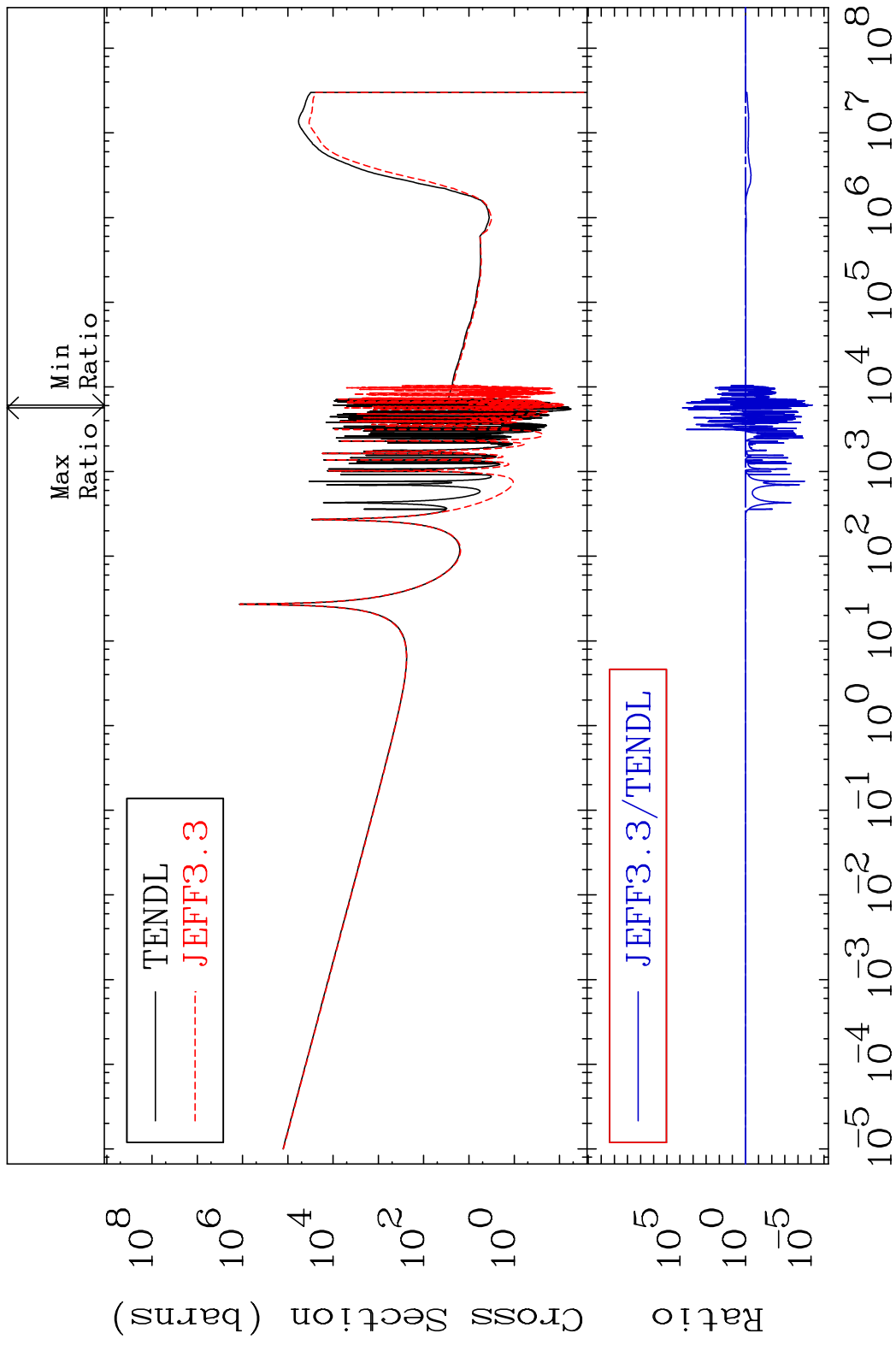
Incident Energy (eV)

34-Se-74

MAT 3425 Dpa inelastic (mt51-91) 34-Se-74  
 Cross Section -8.141 To 41.00 %

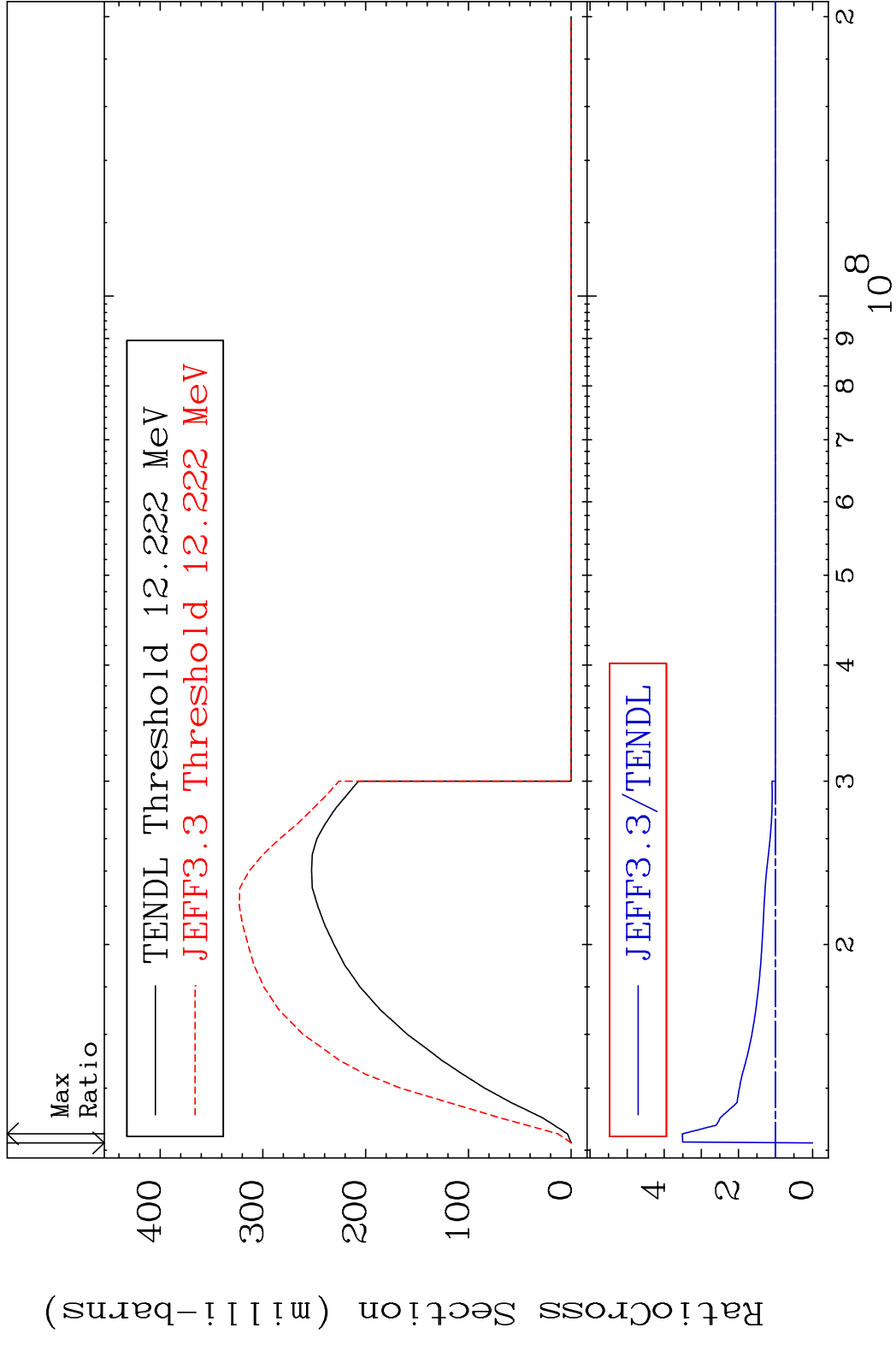


MAT 3425 Dpa disappearance (mt102 -120) 34-Se-74  
 Cross Section -100.0 To 9999. %

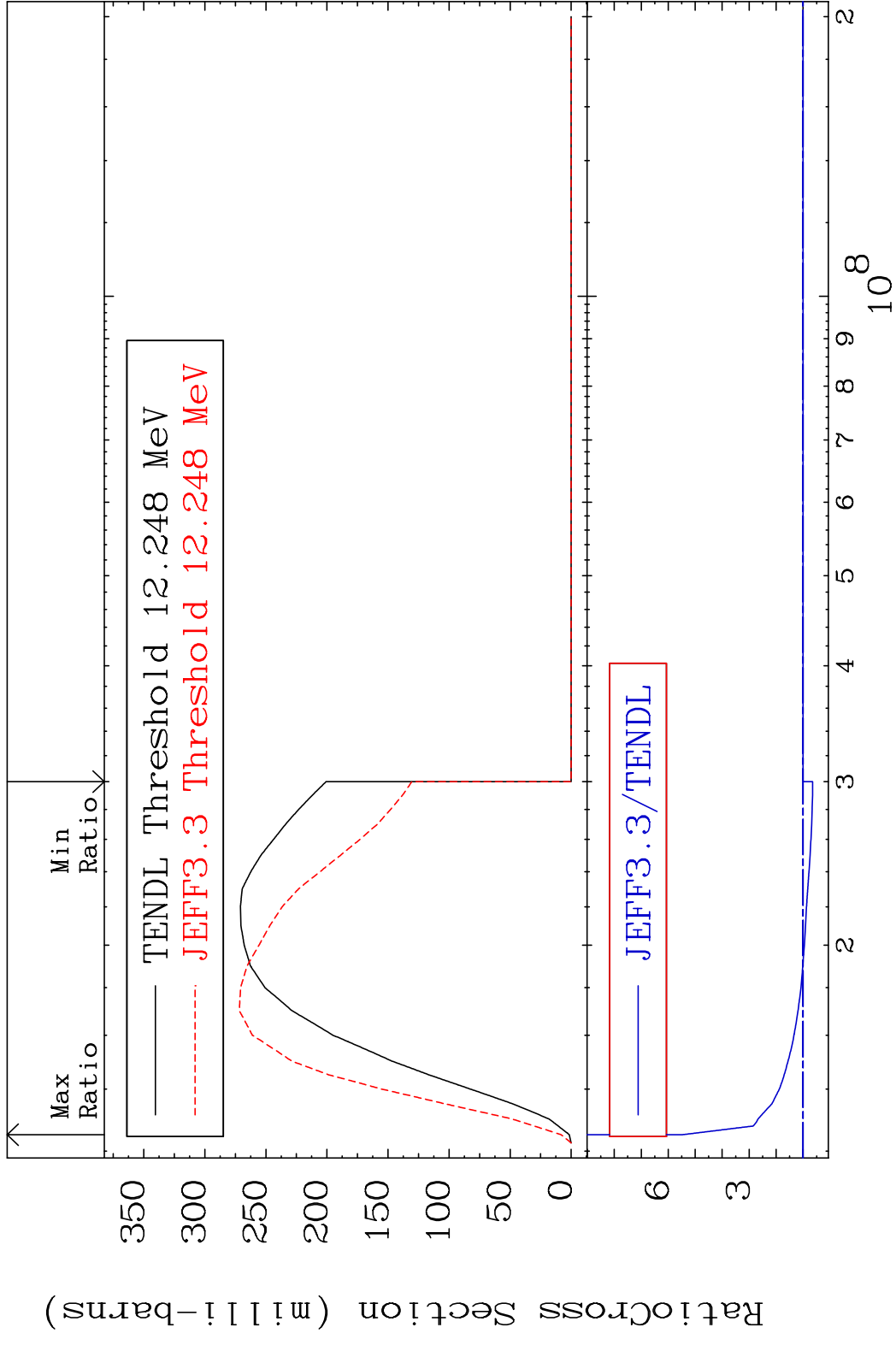




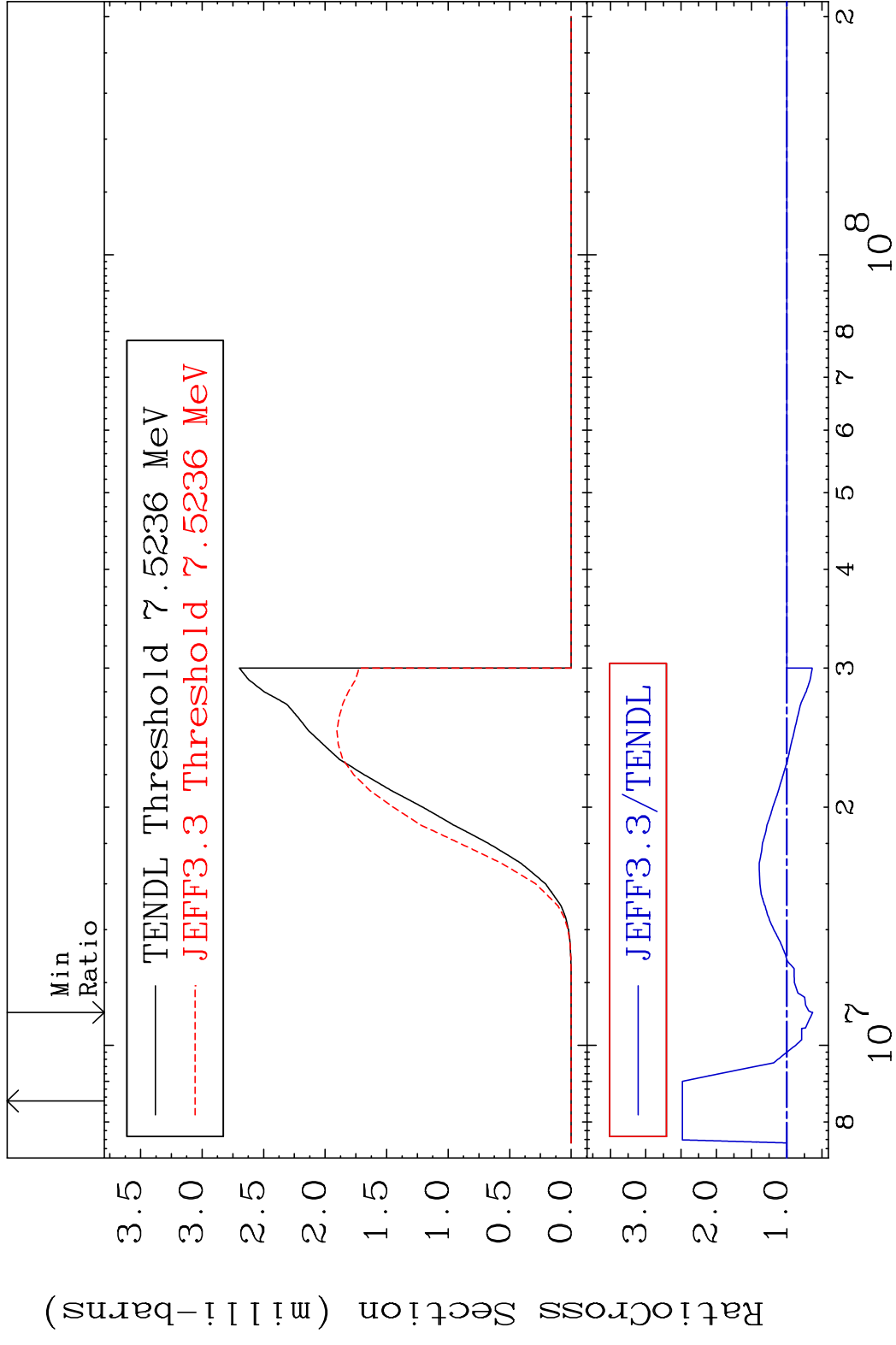
MAT 3425 (n,2n):34-Se-73g 34-Se-74  
 Radionuclide Production Cross Section 180.01 dth 251.1 %



MAT 3425 (n,2n):34-Se-73m1 34-Se-74  
 Radionuclide Production Cross Section 447.6 %



MAT 3425 (n,2p):32-Ge-73g 34-Se-74  
 Radionuclide Production Cross Section 36.5 b to 148.1 %



MAT 3425 (n,2p):32-Ge-73m2 34-Se-74  
 Radionuclide Production Cross Section 65691 d10 238.7 %

