

Program Complot  
(Version 2021-1)

by

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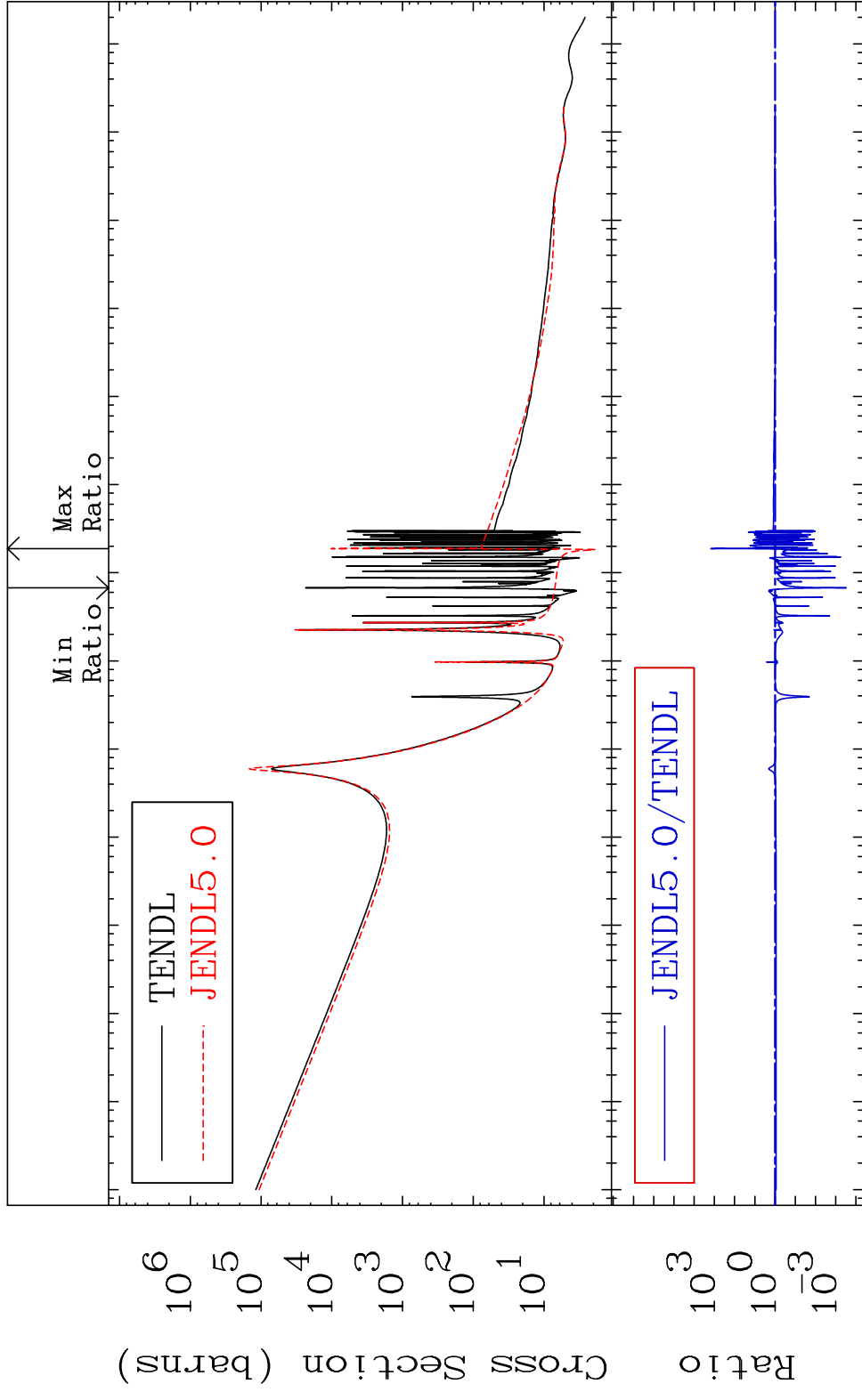
Press Mouse Button to Start

MAT 7025

70-Yb-168

Total

Cross Section -99.97 To 9999. %



70-Yb-168

Incident Energy (eV)

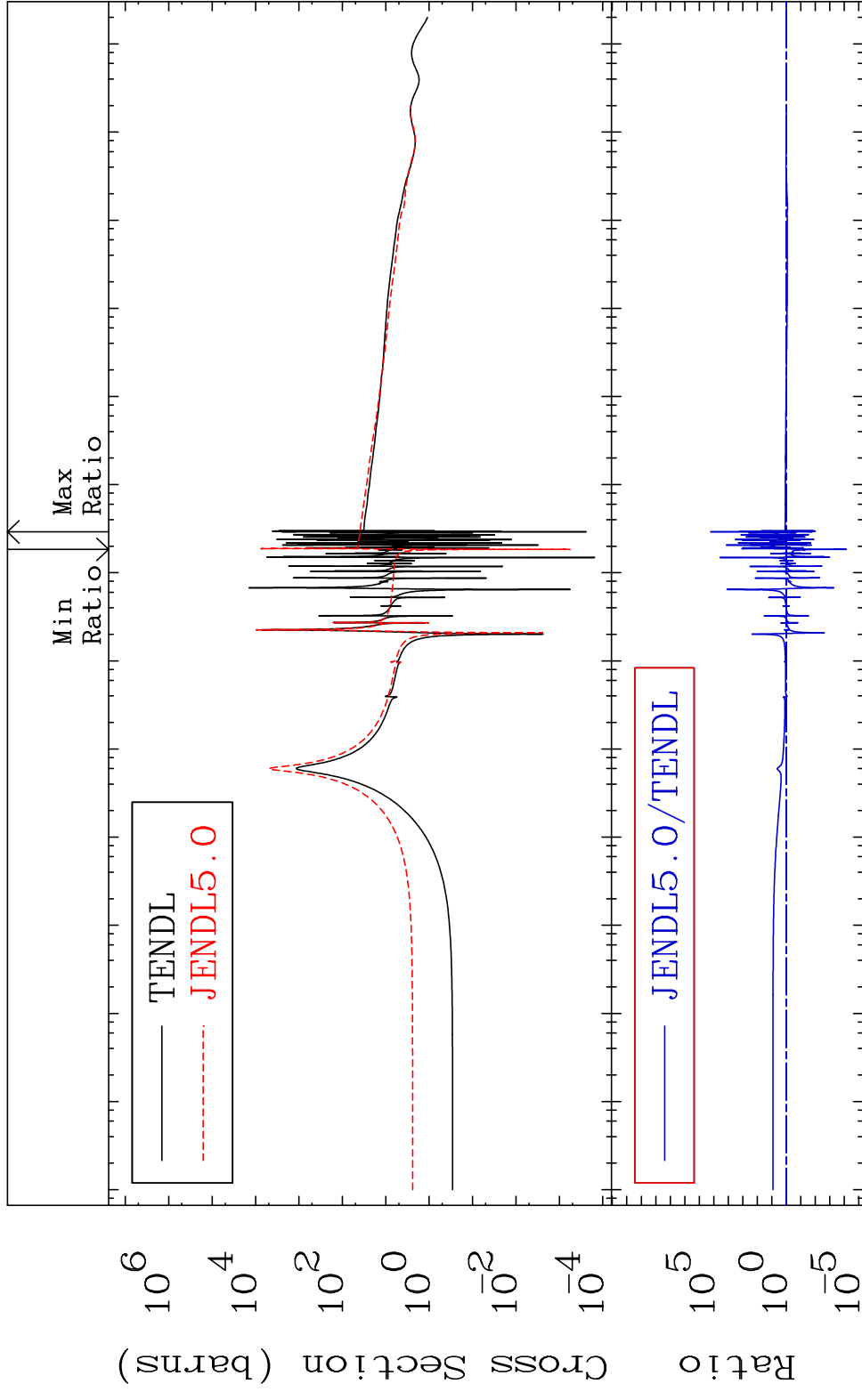
1

MAT 7025

70-Yb-168

Elastic

Cross Section -99.99 To 9999. %

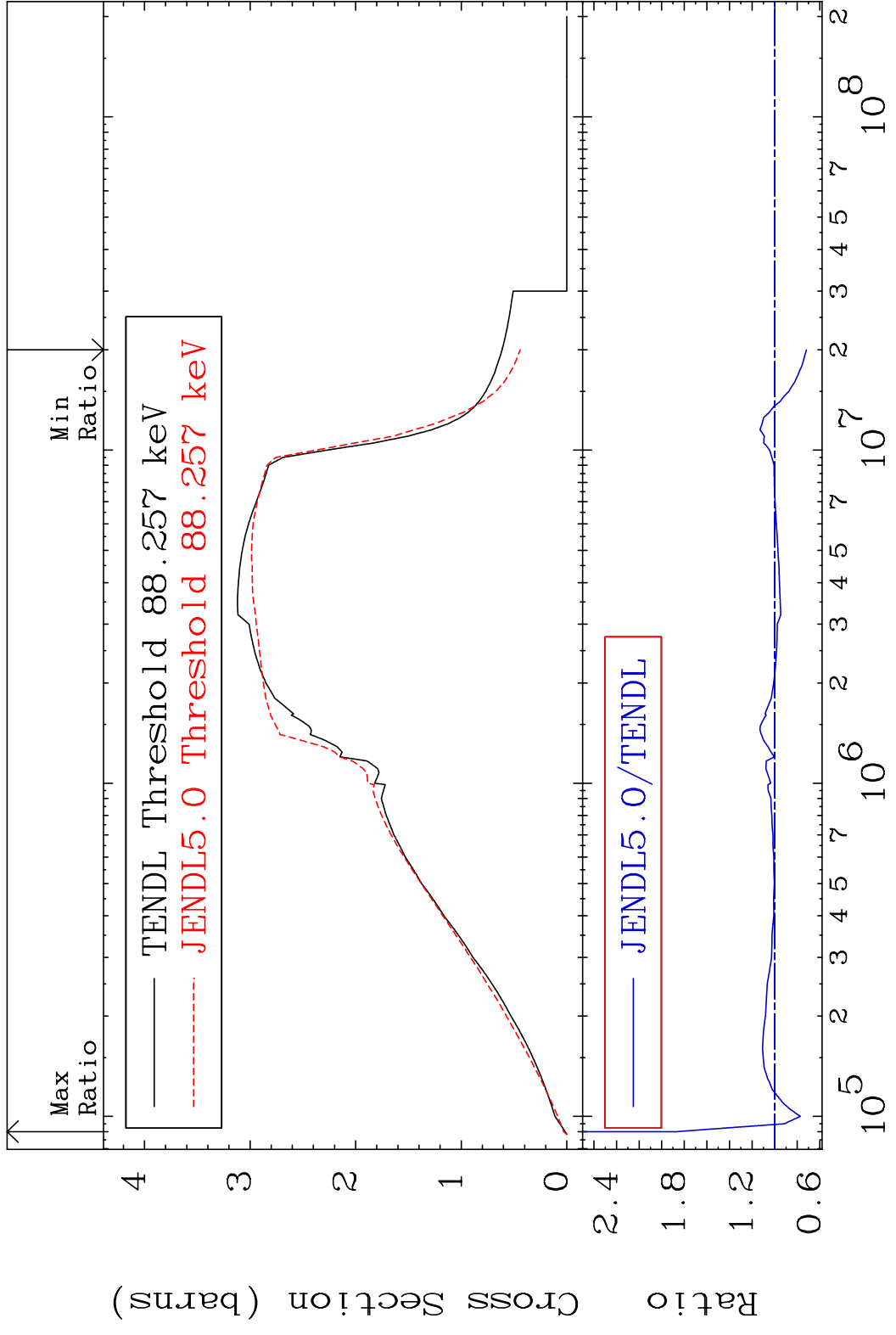


2

Incident Energy (eV)

70-Yb-168

MAT 7025 Inelastic Cross Section -28.07 To 86.30 % 70-Yb-168



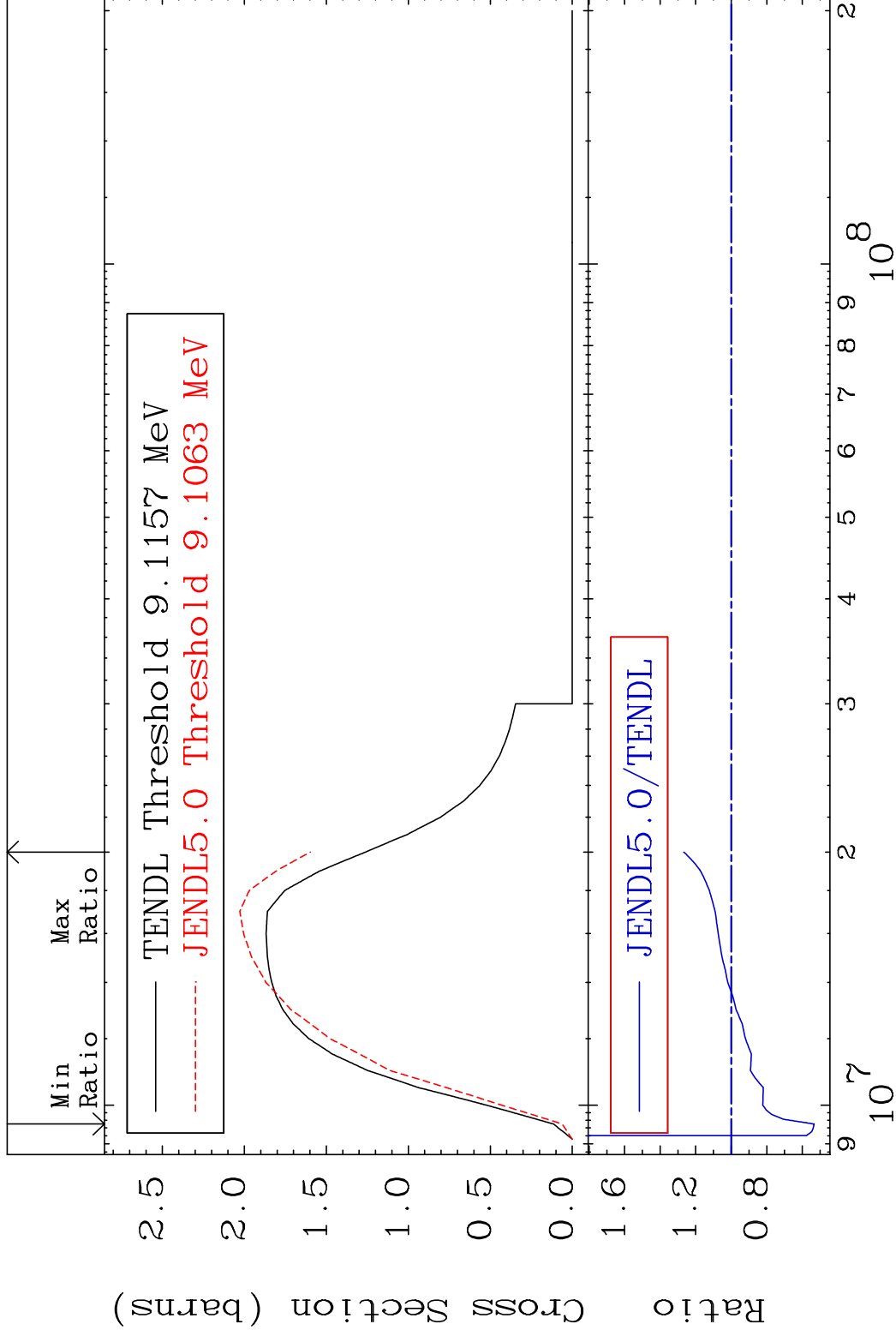
3 70-Yb-168

MAT 7025

(n,2n)

70-Yb-168

Cross Section -46.64 To 26.77 %



4

Incident Energy (eV)

70-Yb-168

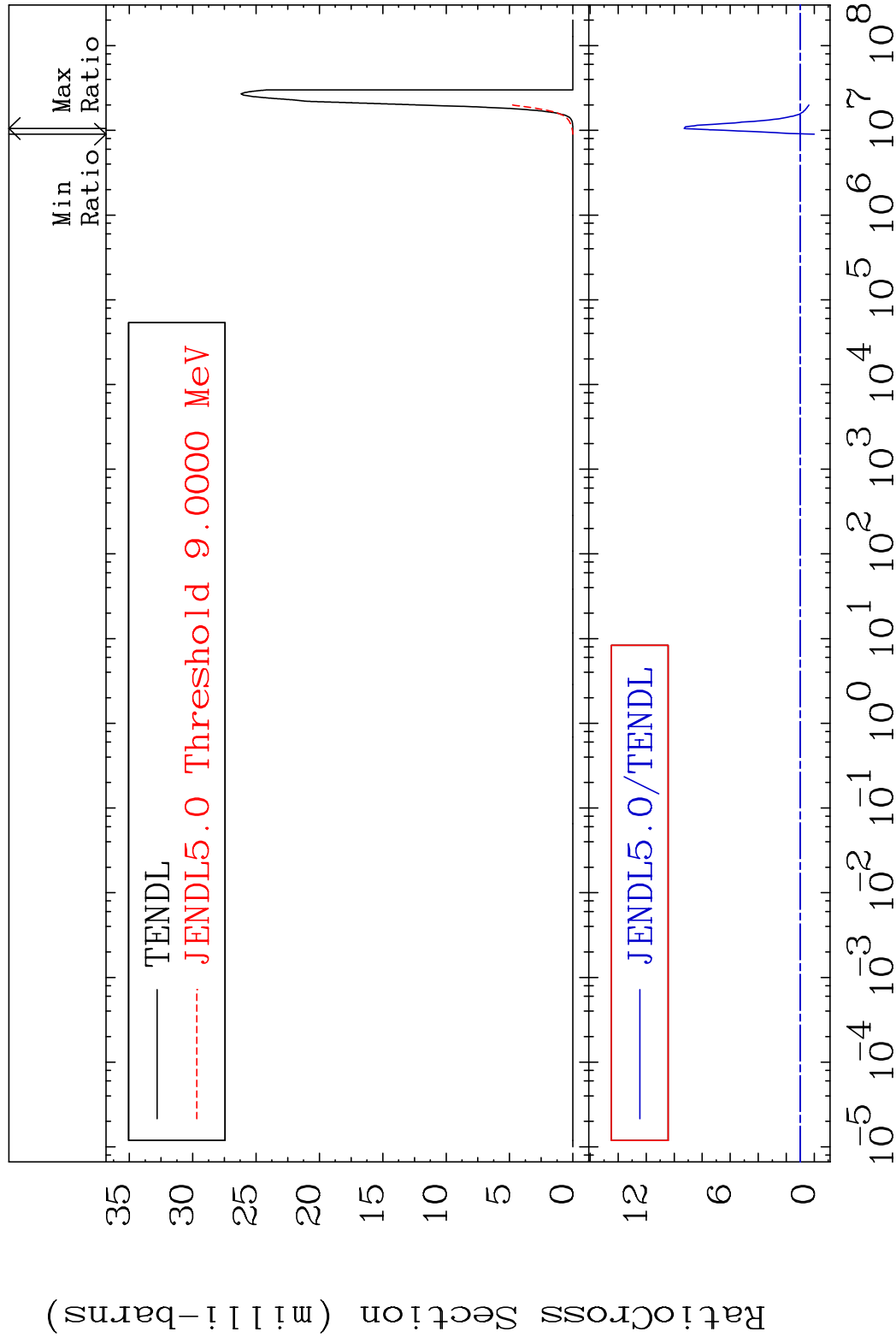


MAT 7025

(n, n')  $\alpha$

70-Yb-168

Cross Section -100.0 To 829.5 %



6

Incident Energy (eV)

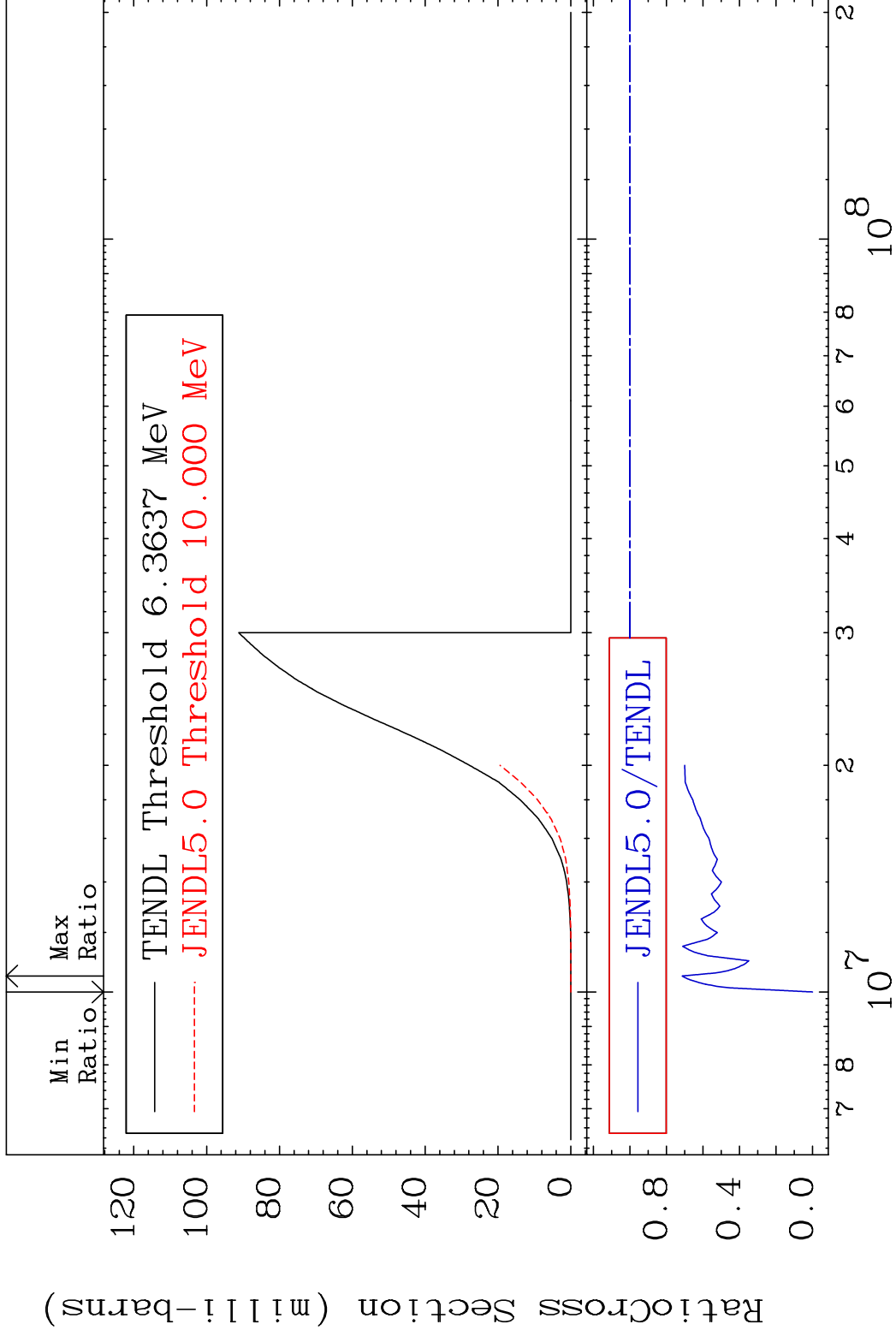
70-Yb-168

MAT 7025

(n, n') p

70-Yb-168

Cross Section -100.0 To -28.64%



7

Incident Energy (eV)

70-Yb-168

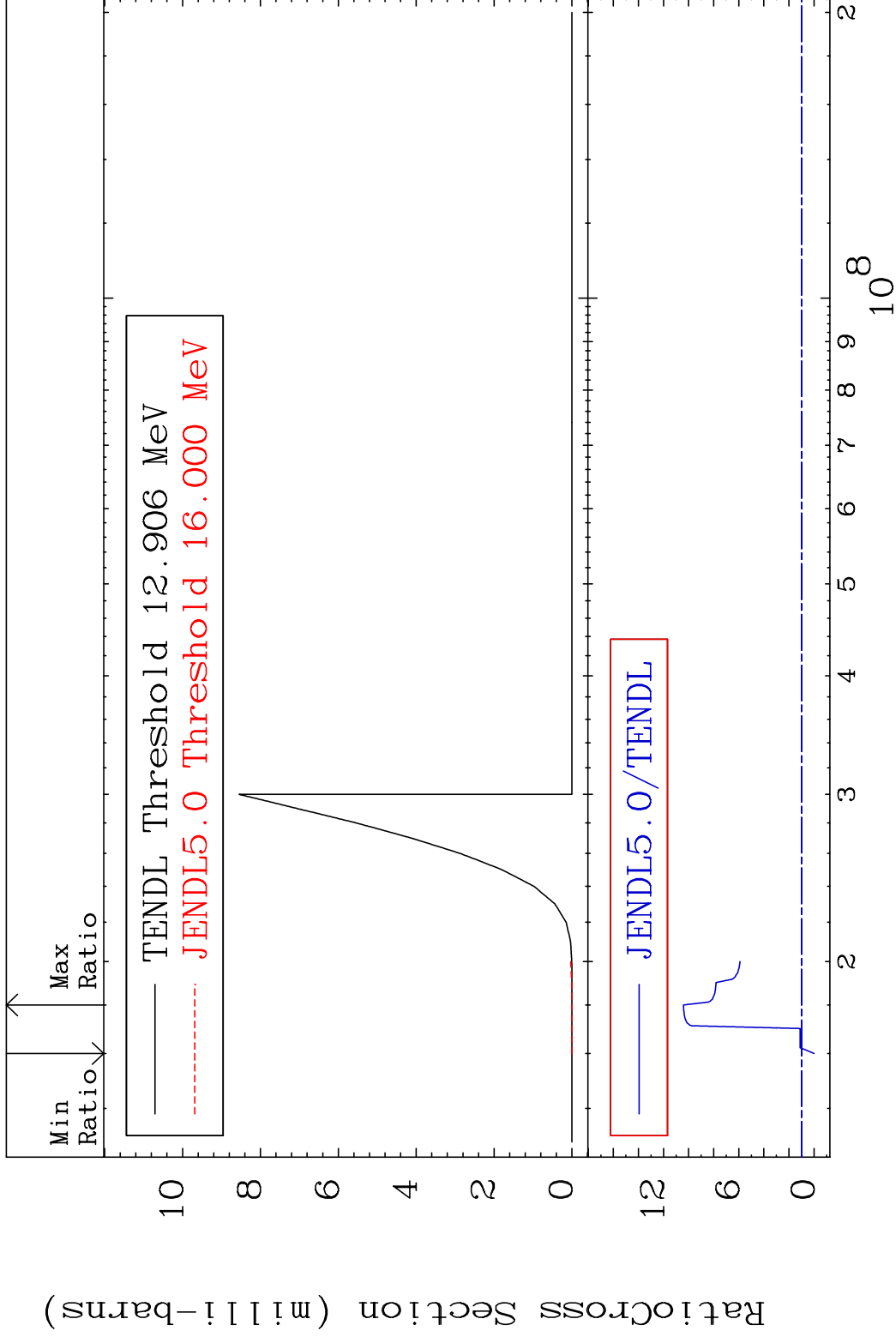


MAT 7025

(n, n') d

70-Yb-168

Cross Section -100.0 To 941.2 %

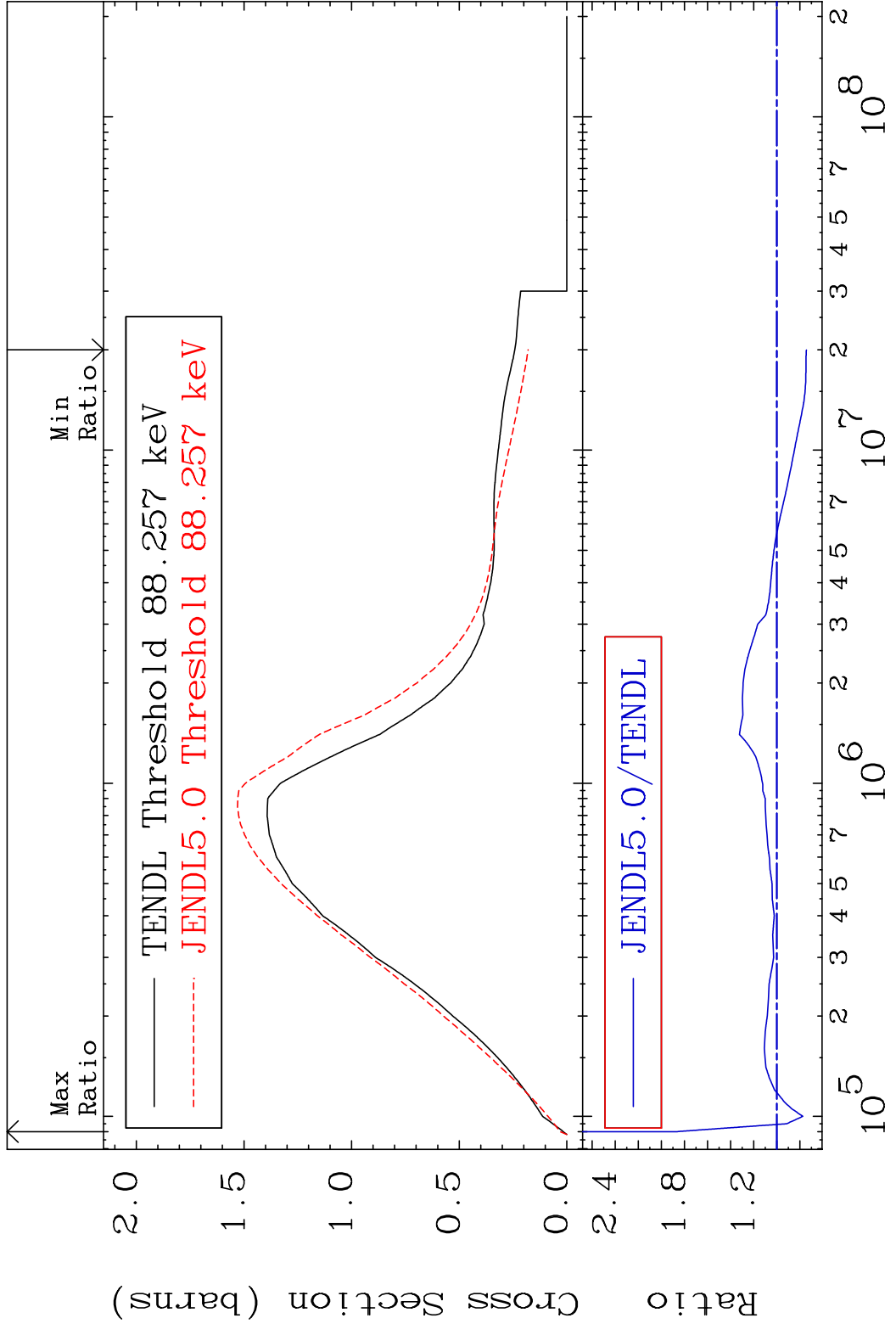


8

Incident Energy (eV)

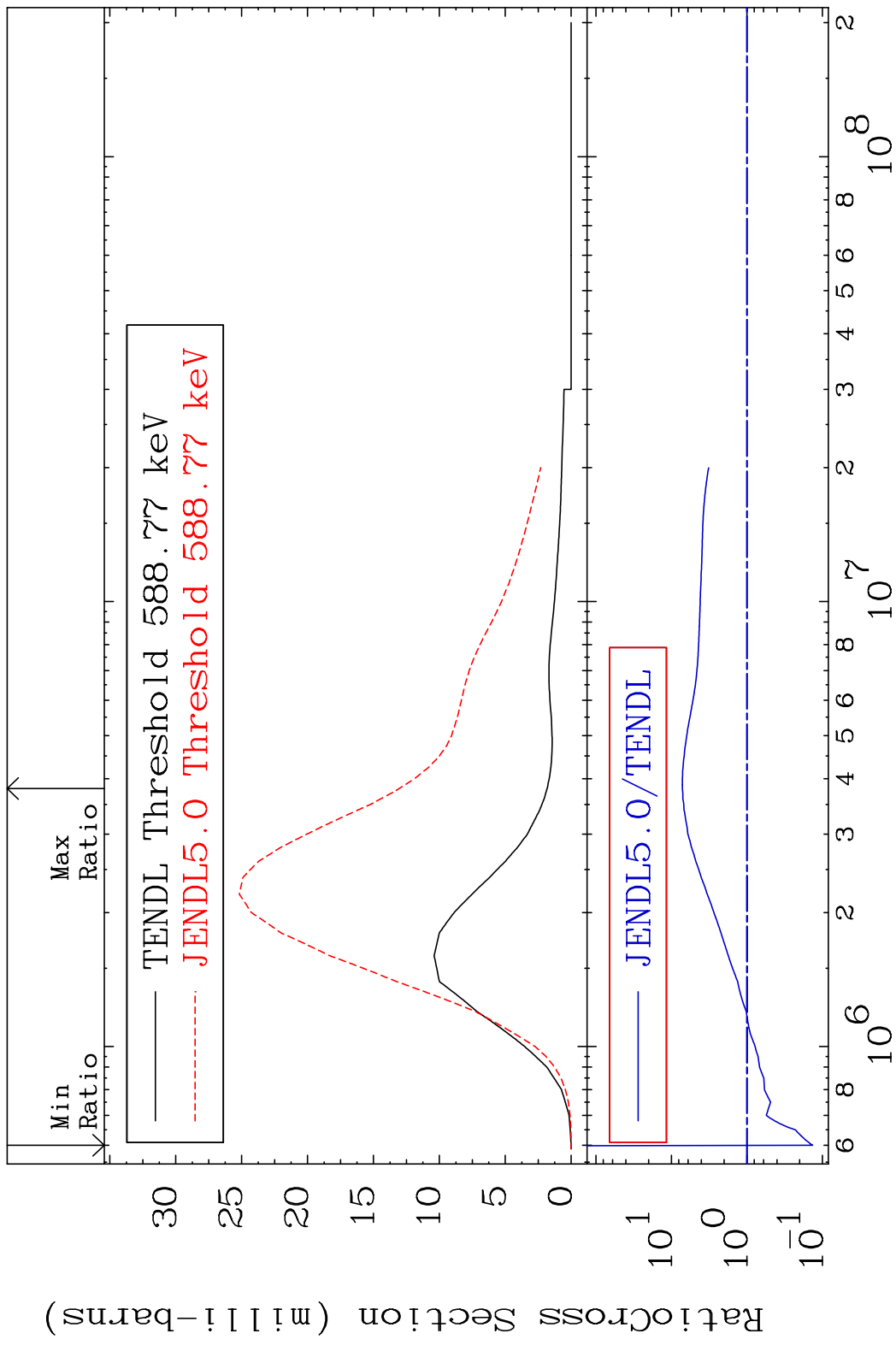
70-Yb-168

MAT 7025 MT= 51 (n, n') Level 70-Yb-168  
 Cross Section -25.73 To 86.30 %

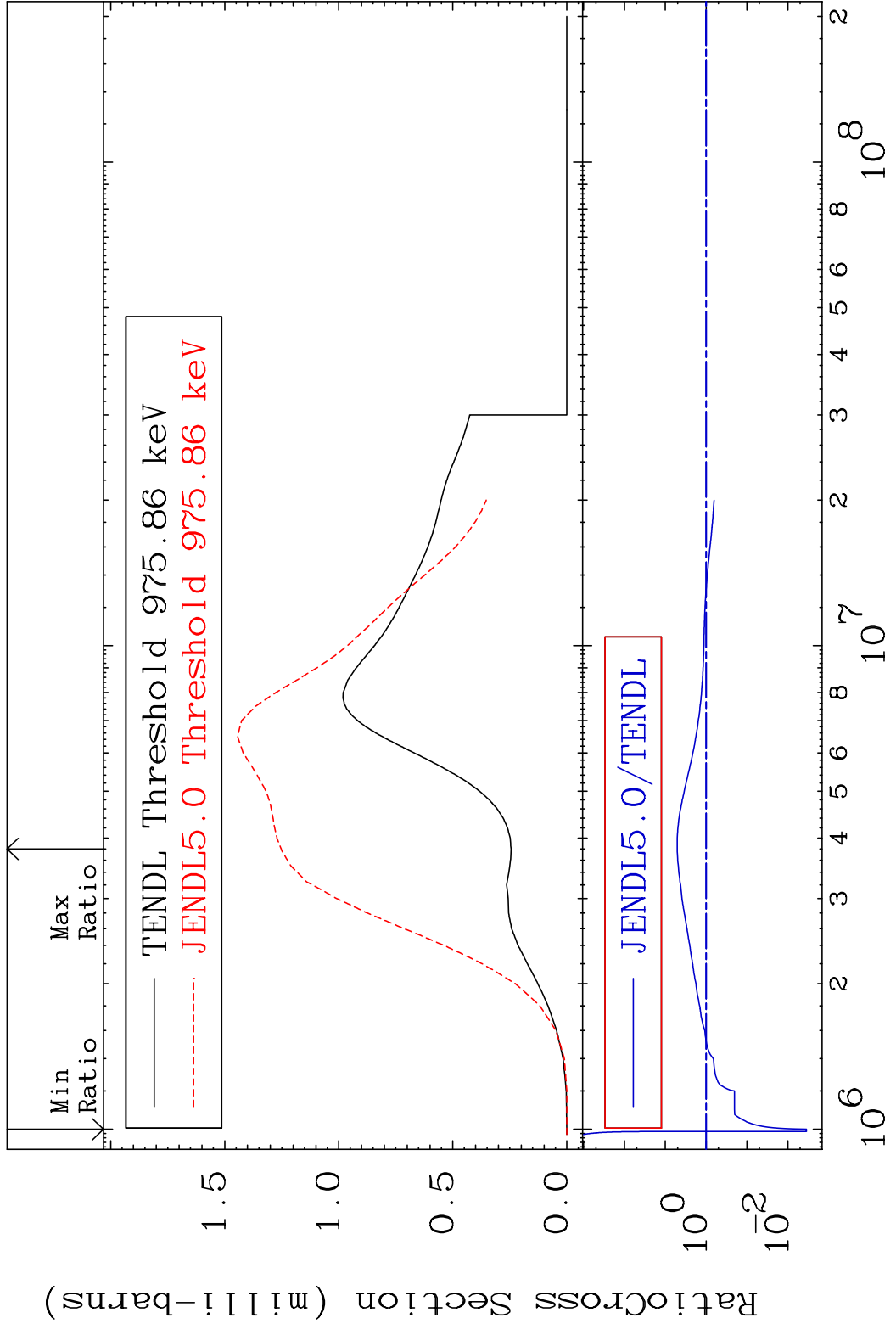




MAT 7025 MT= 53 (n, n') Level 70-Yb-168  
 Cross Section -86.51 To 615.3 %

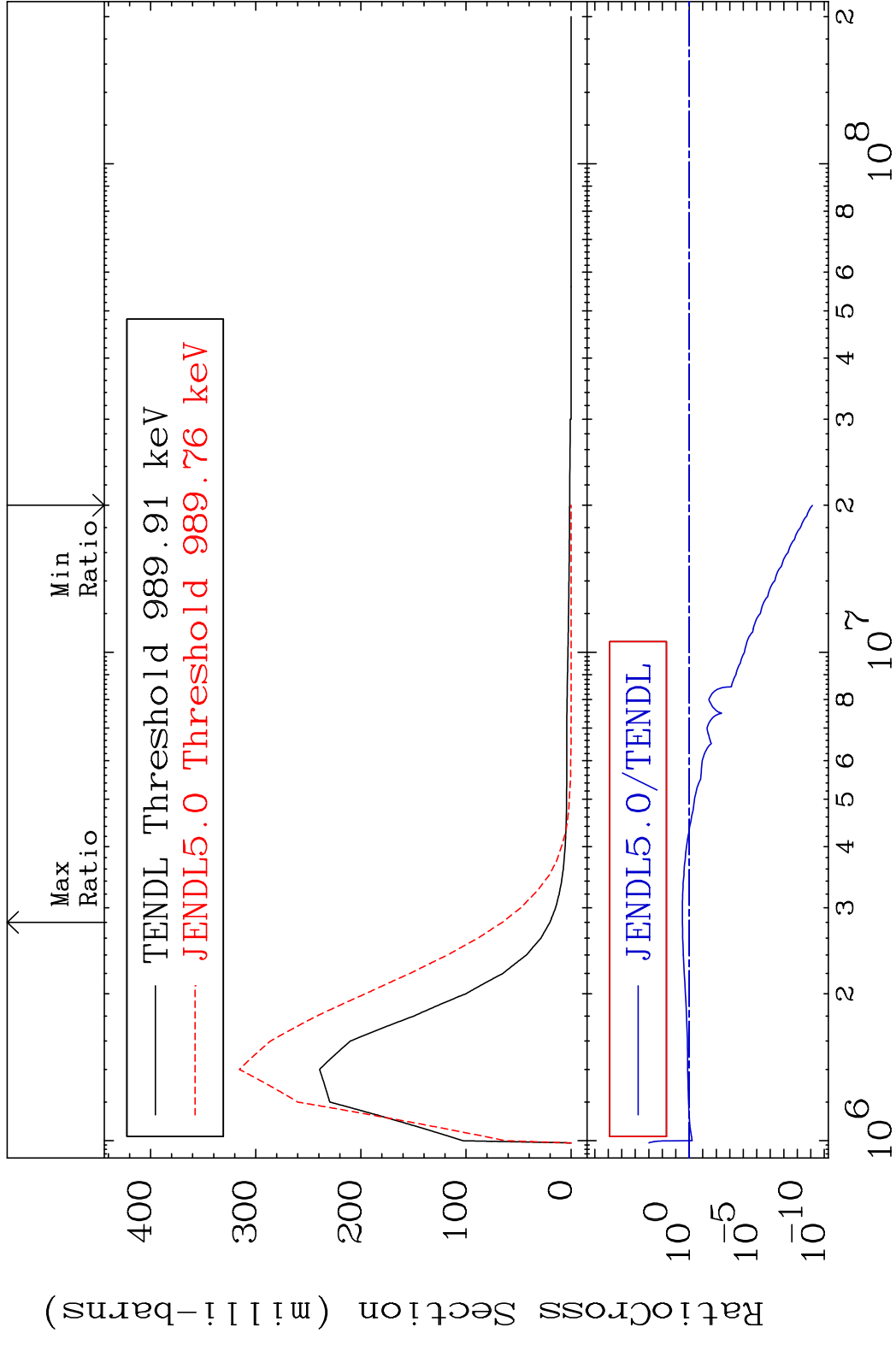


MAT 7025 MT= 54 (n, n') Level 70-Yb-168  
 Cross Section -99.65 To 411.9 %



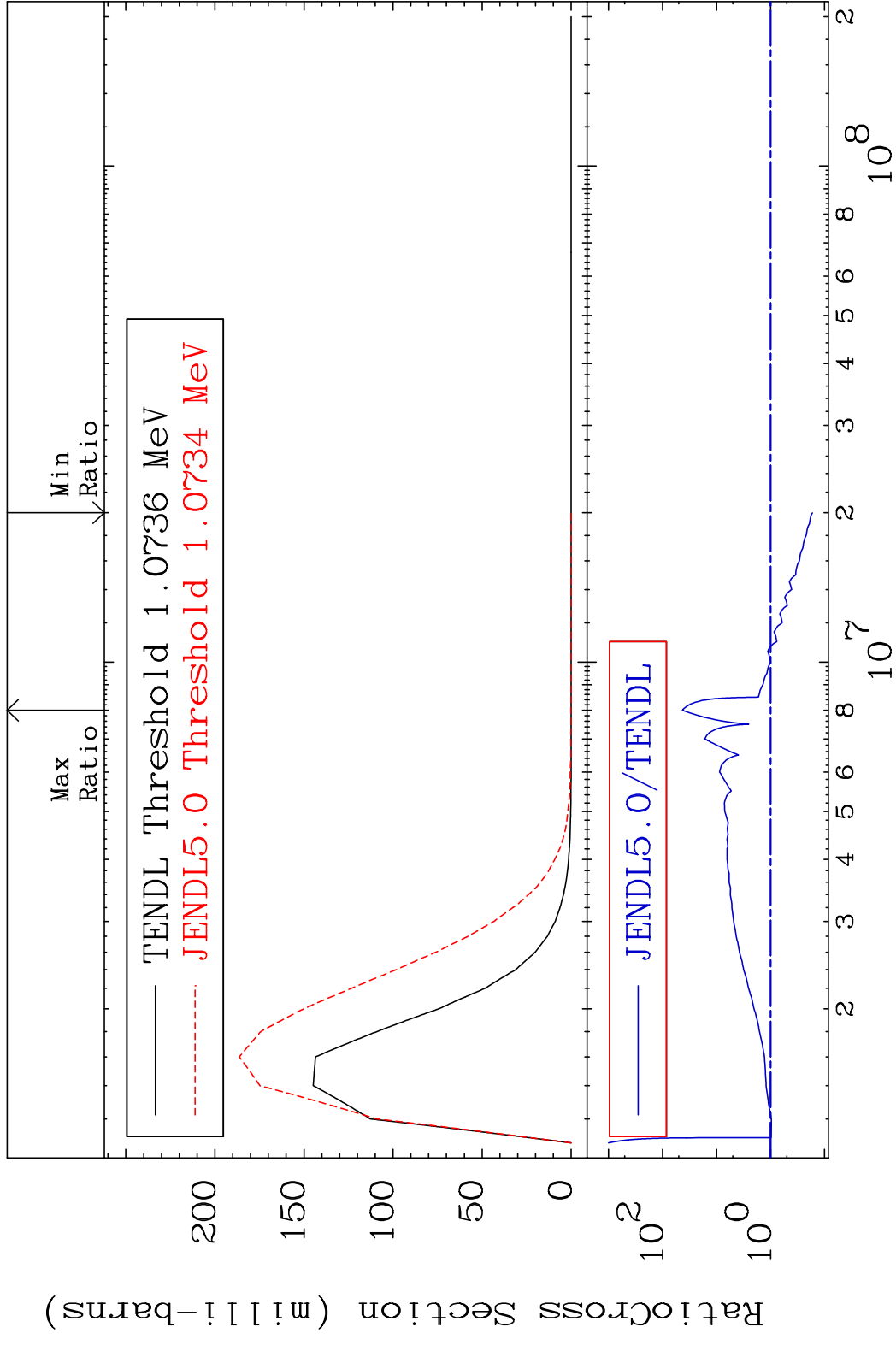
12 70-Yb-168

MAT 7025 MT= 55 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 224.5 %

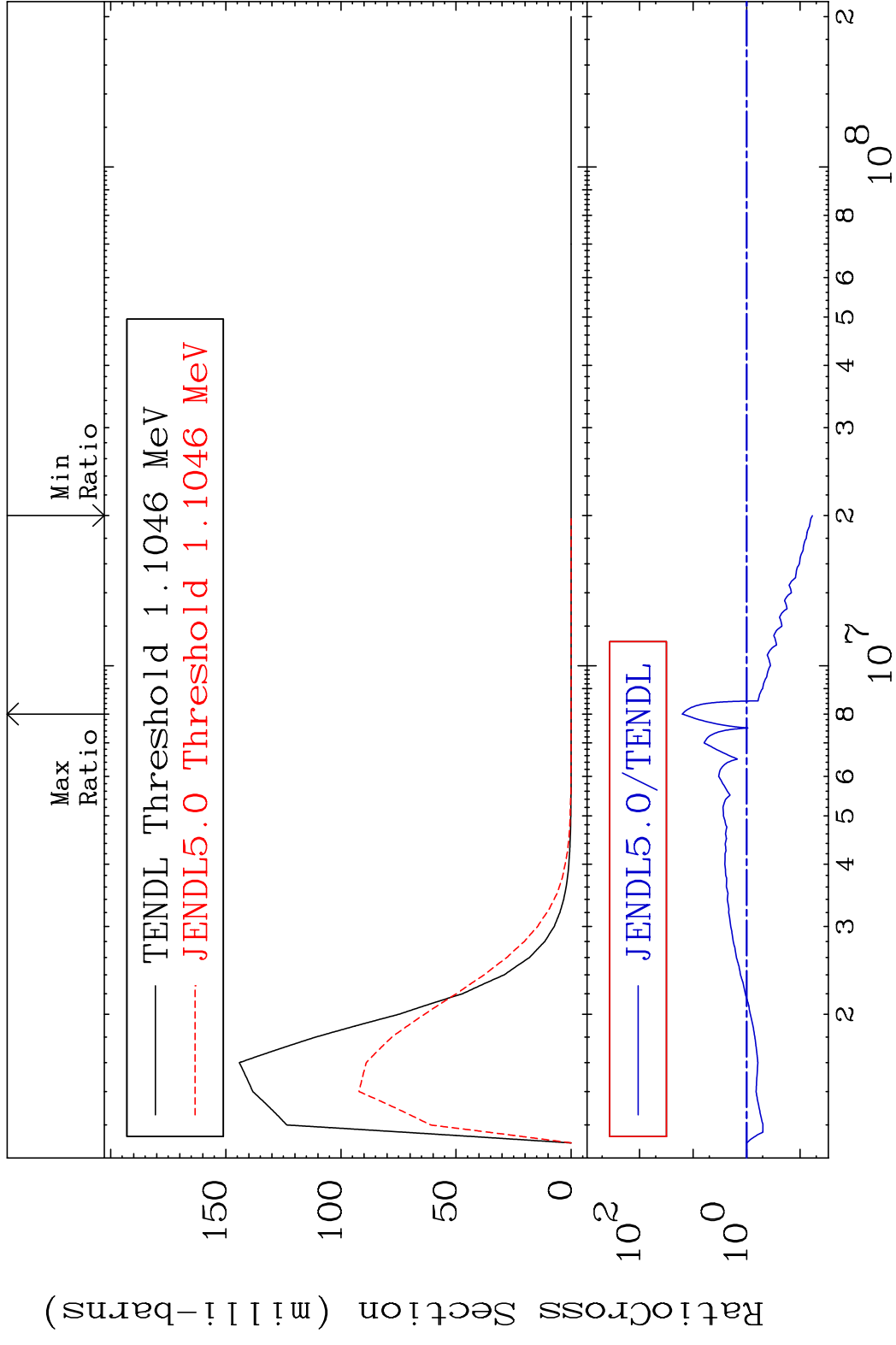


13 Incident Energy (eV) 70-Yb-168

MAT 7025 MT= 56 (n,n') Level 70-Yb-168  
 Cross Section -83.31 To 4199. %

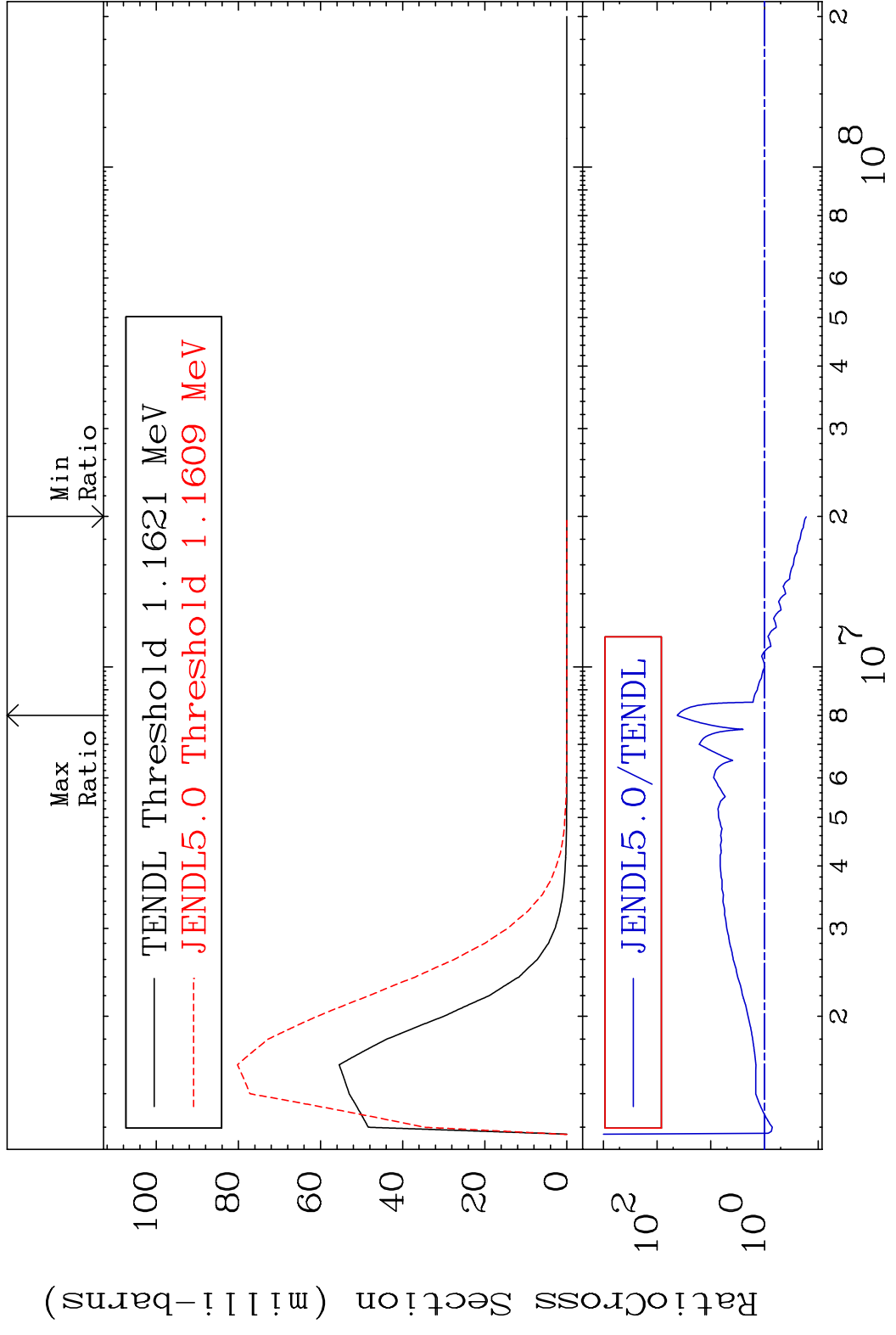


MAT 7025 MT= 57 (n,n') Level 70-Yb-168  
 Cross Section -94.13 To 1486. %

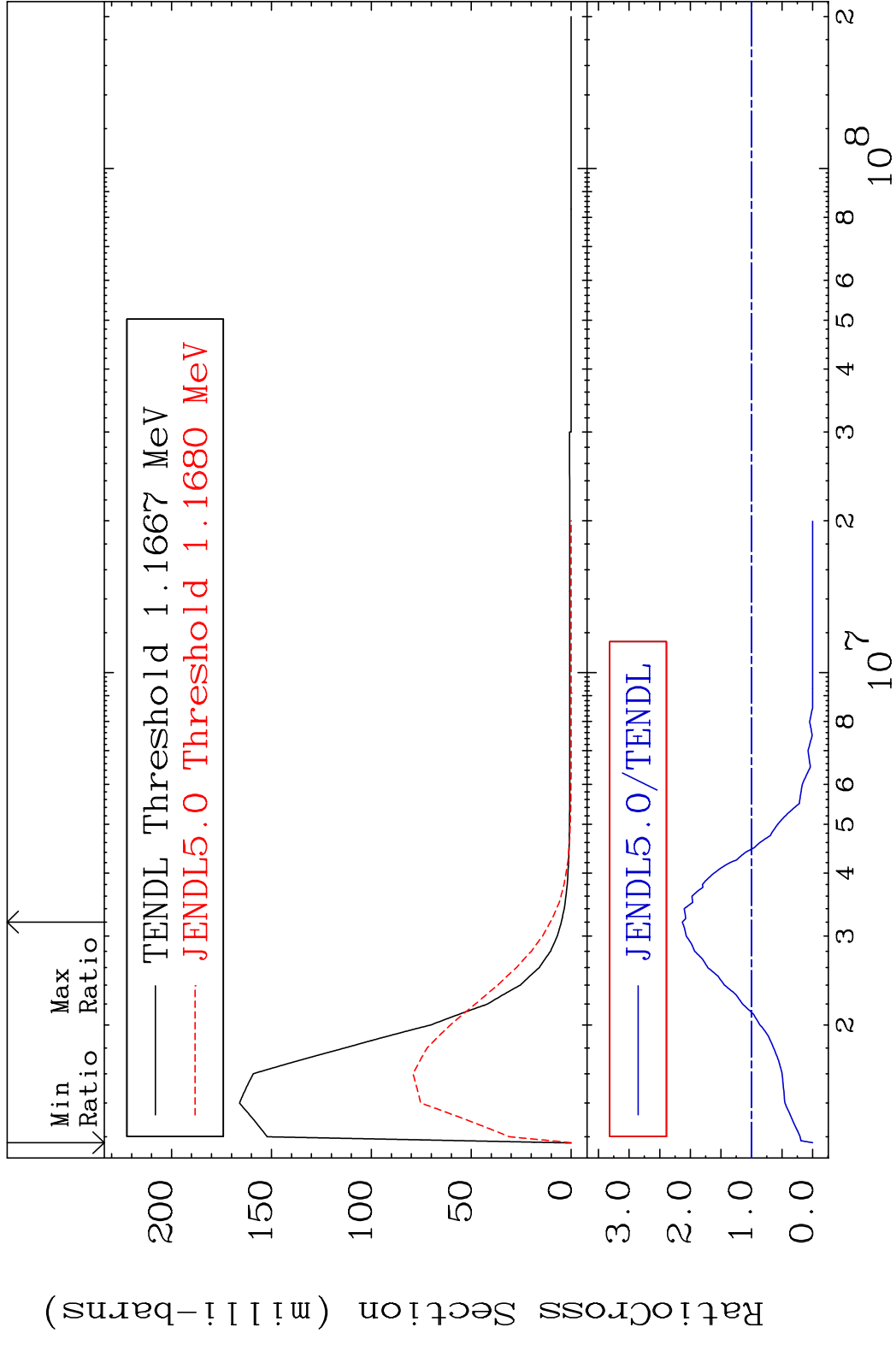




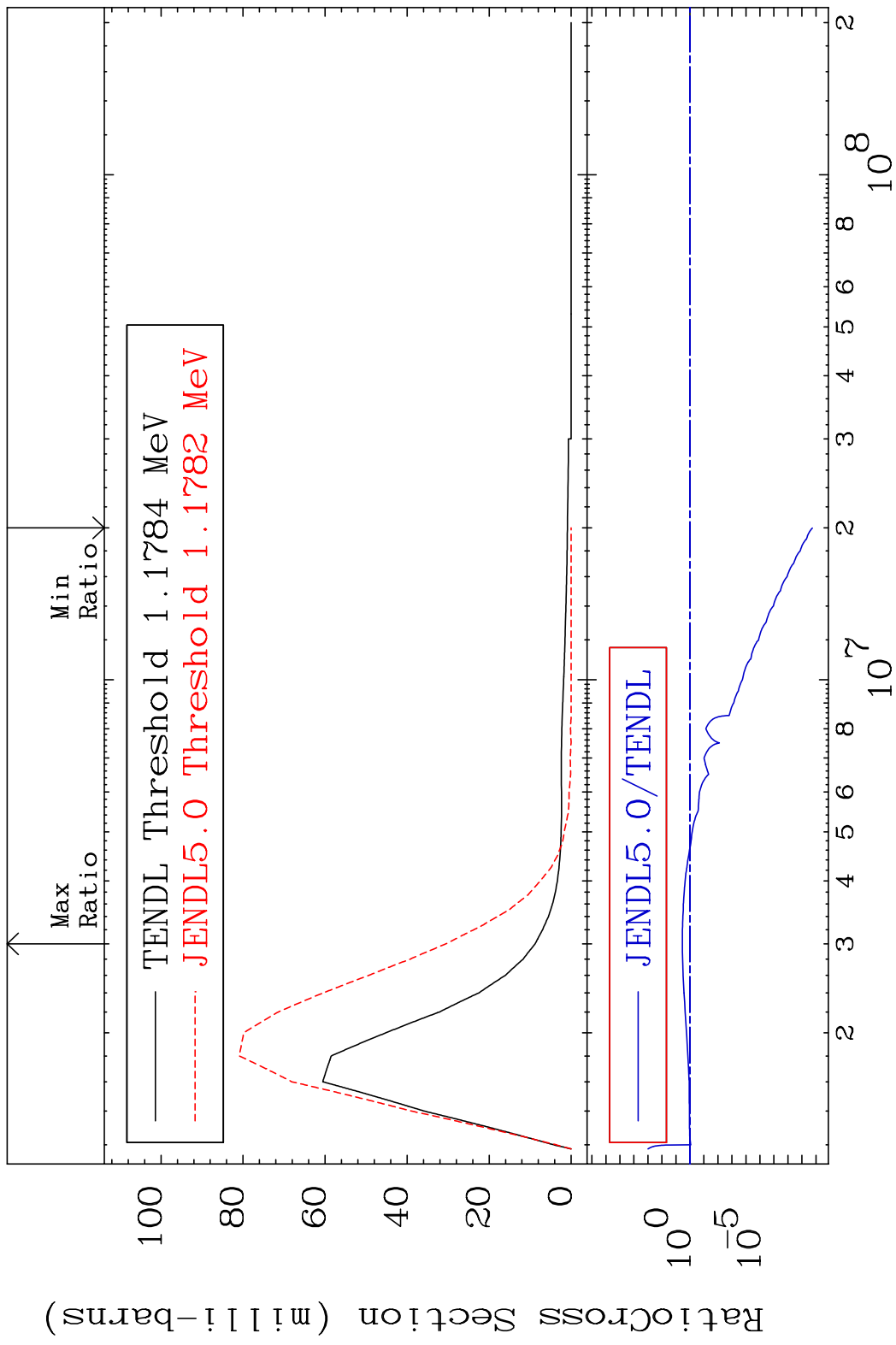
MAT 7025 MT= 58 (n, n') Level 70-Yb-168  
 Cross Section -83.42 To 4124. %



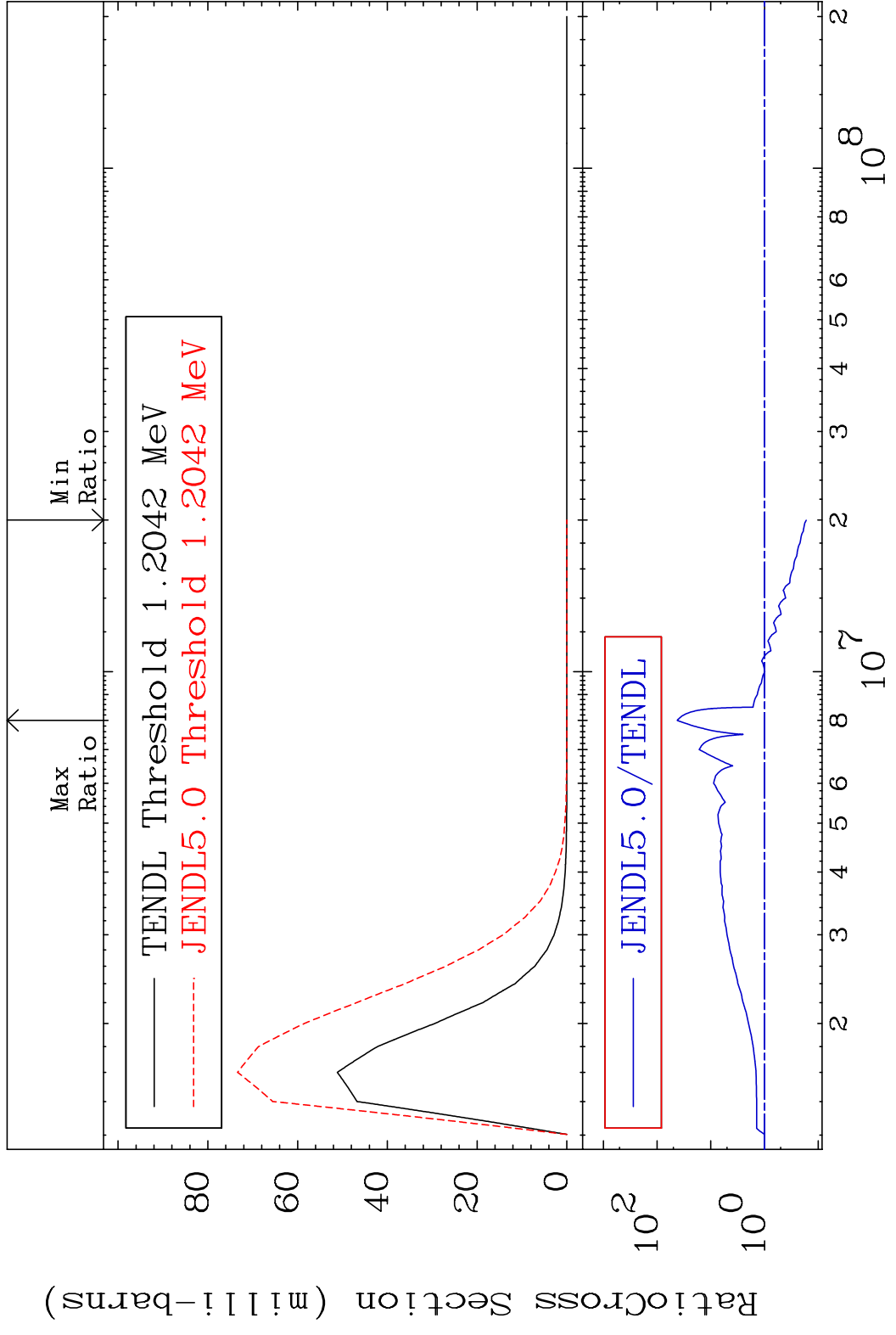
MAT 7025 MT= 59 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 113.0 %



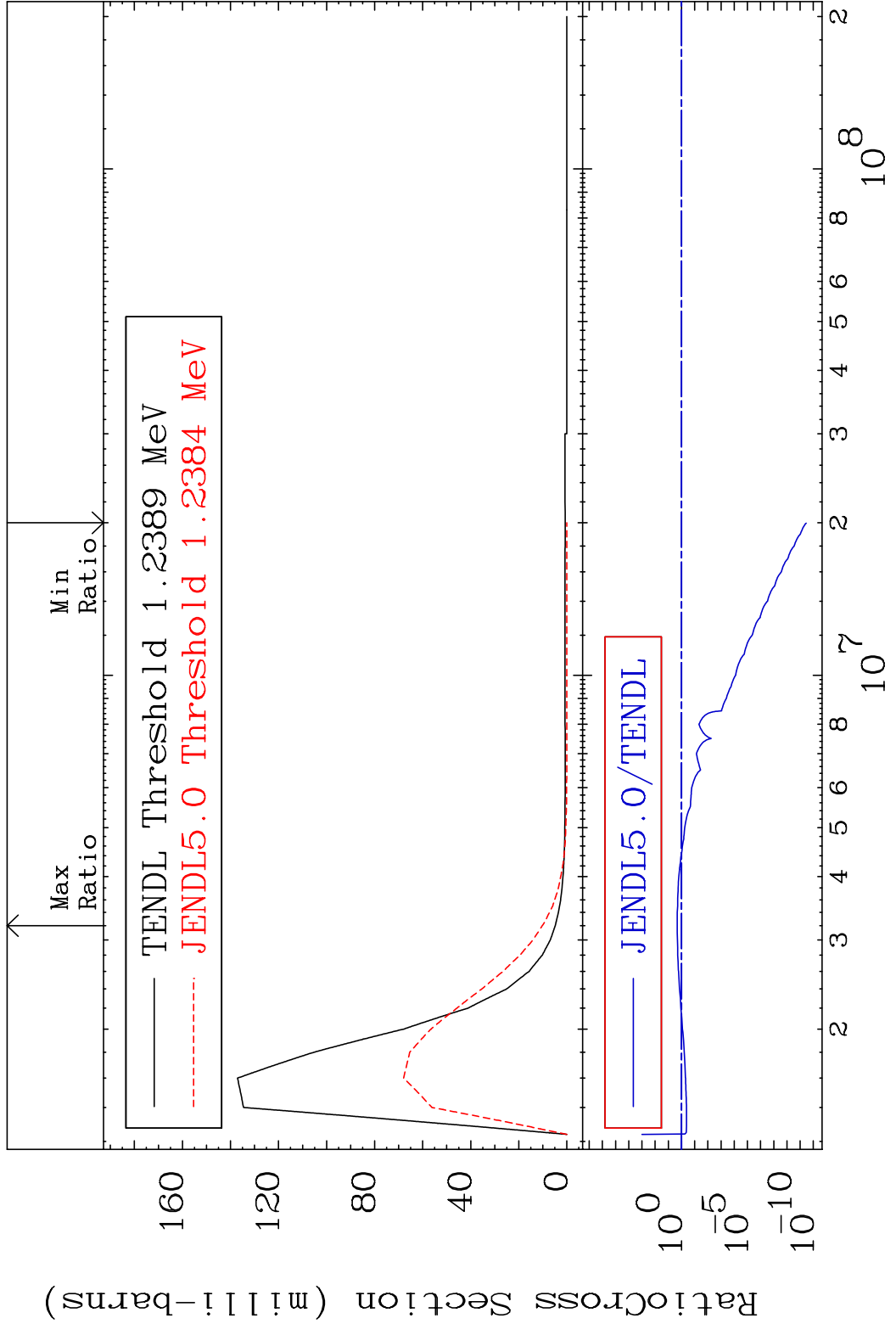
MAT 7025 MT= 60 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 247.2 %



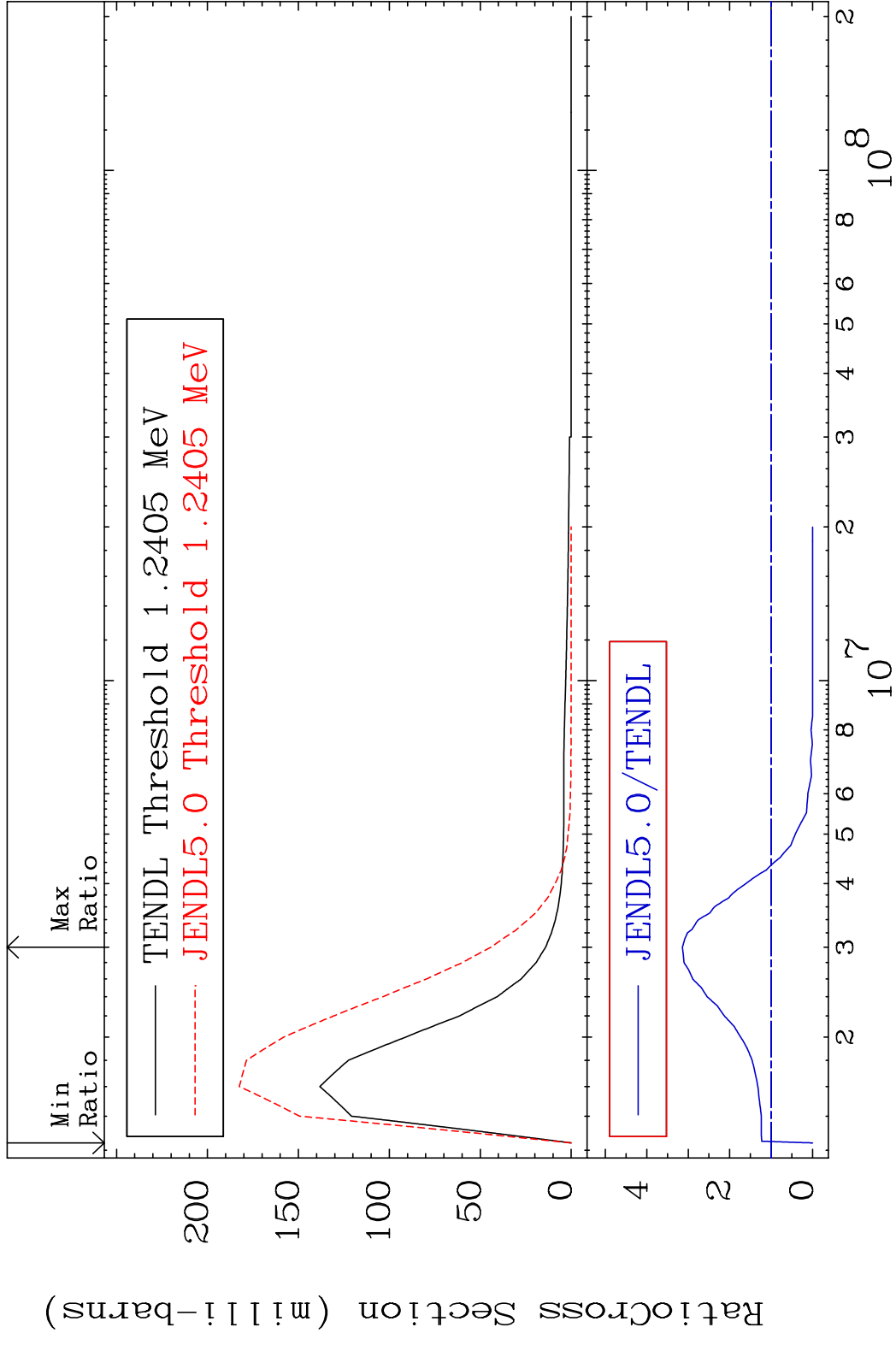
MAT 7025 MT= 61 (n, n') Level 70-Yb-168  
 Cross Section -83.41 To 4129. %



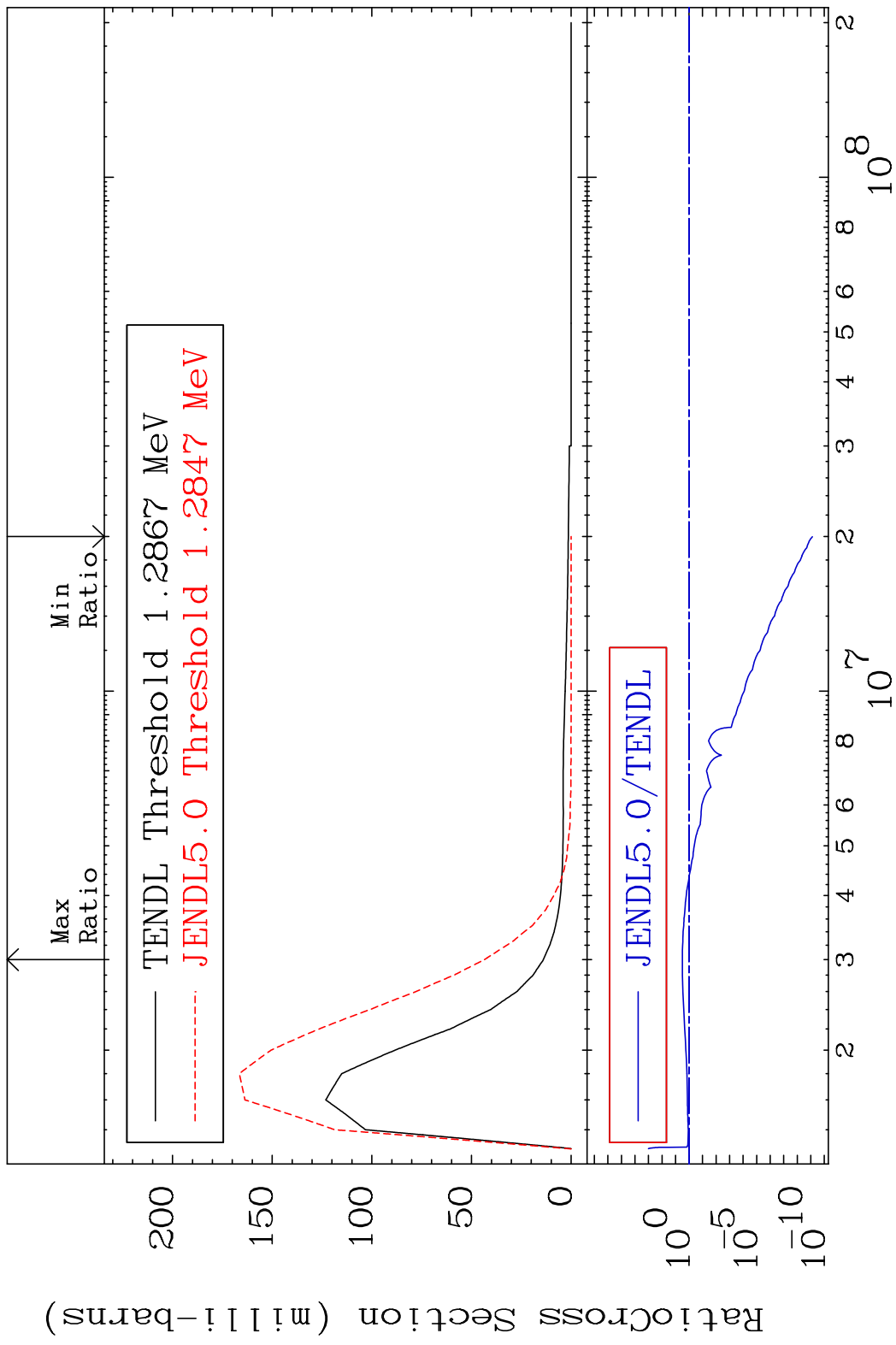
MAT 7025 MT= 62 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 111.6 %



MAT 7025 MT= 63 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 214.2 %



MAT 7025 MT= 64 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 212.2 %

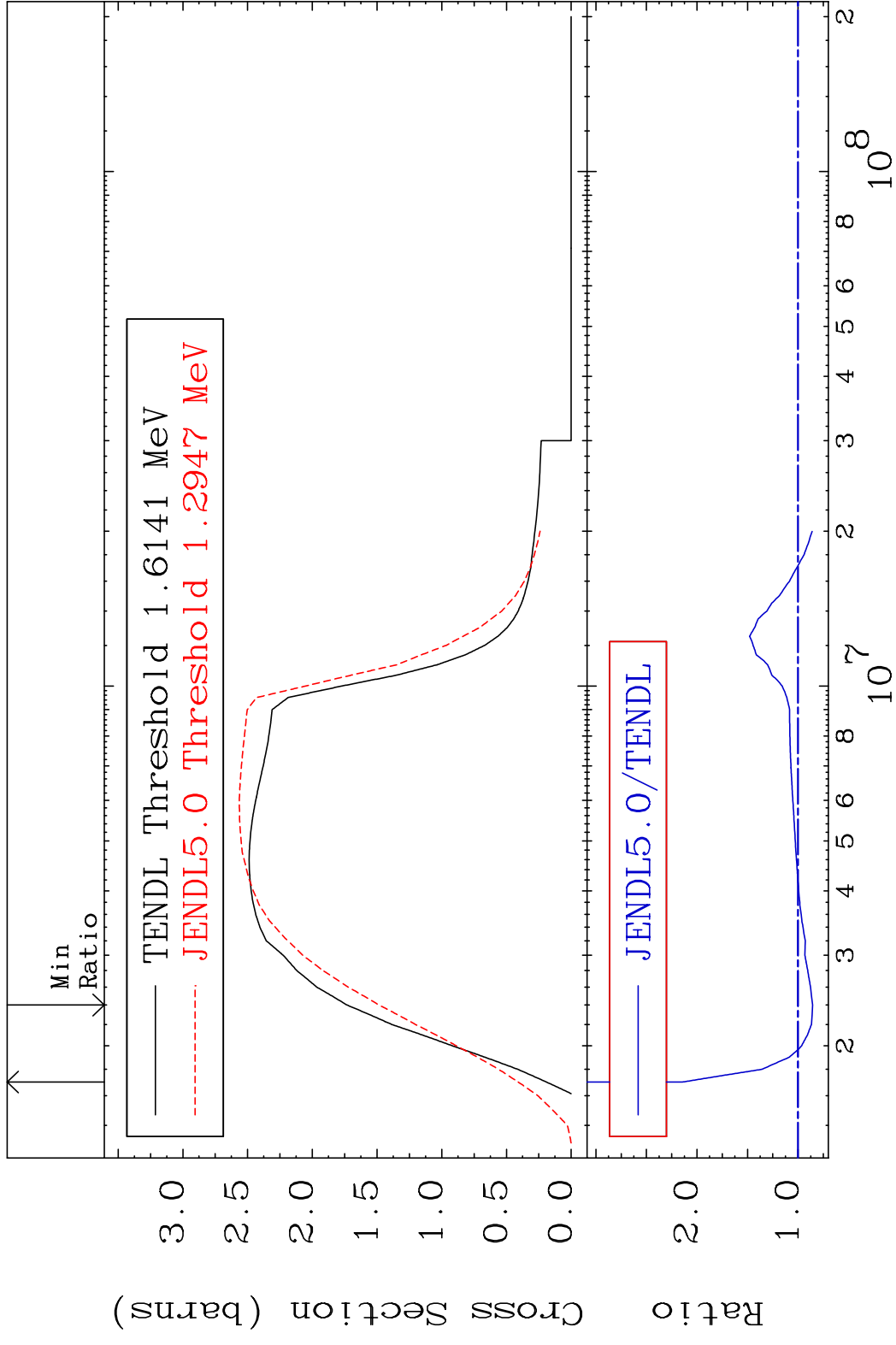


MAT 7025

(n, n') Continuum

70-Yb-168

Cross Section -14.34 To 114.5 %



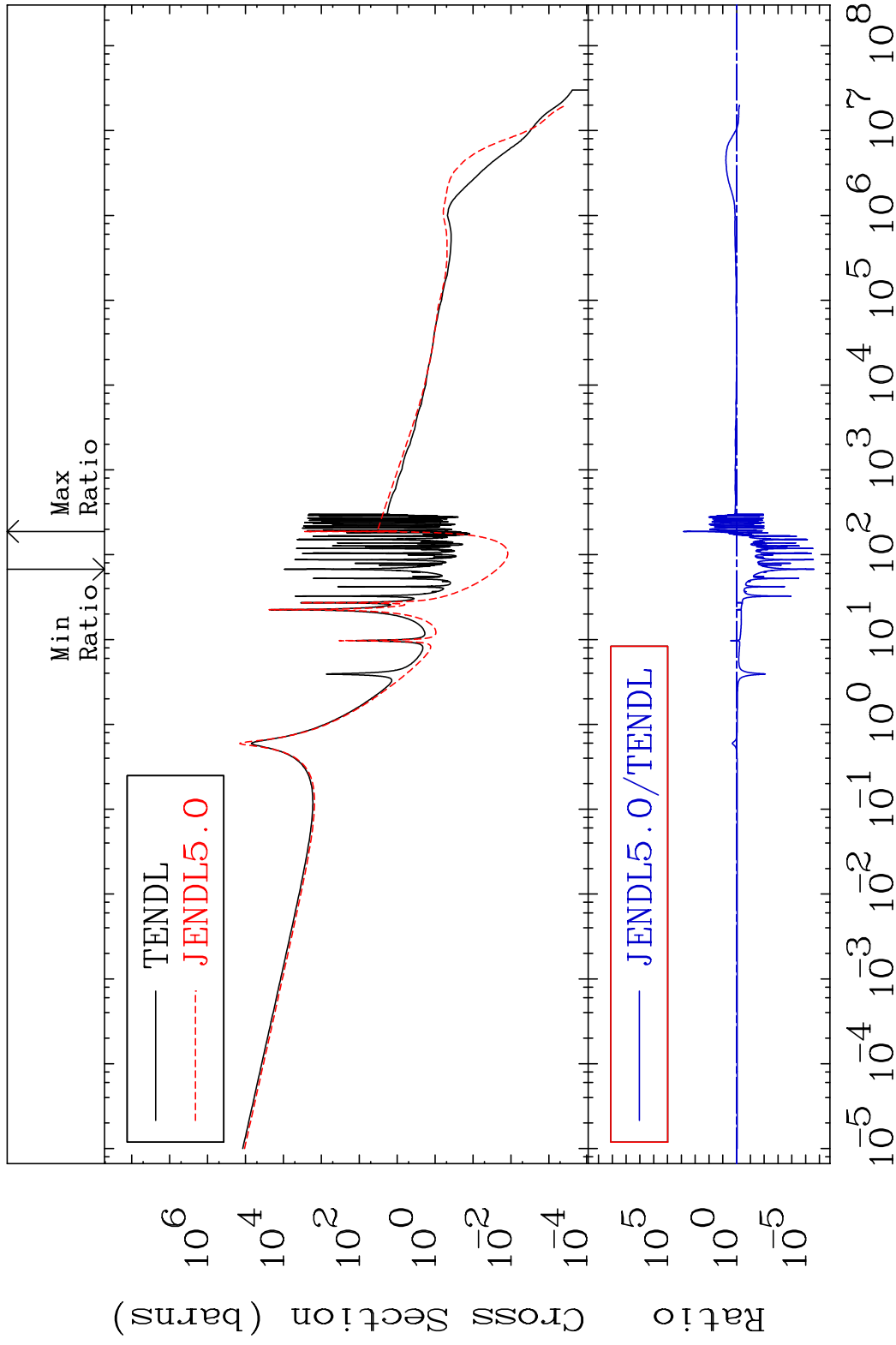


MAT 7025

(n,  $\gamma$ )

70-Yb-168

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

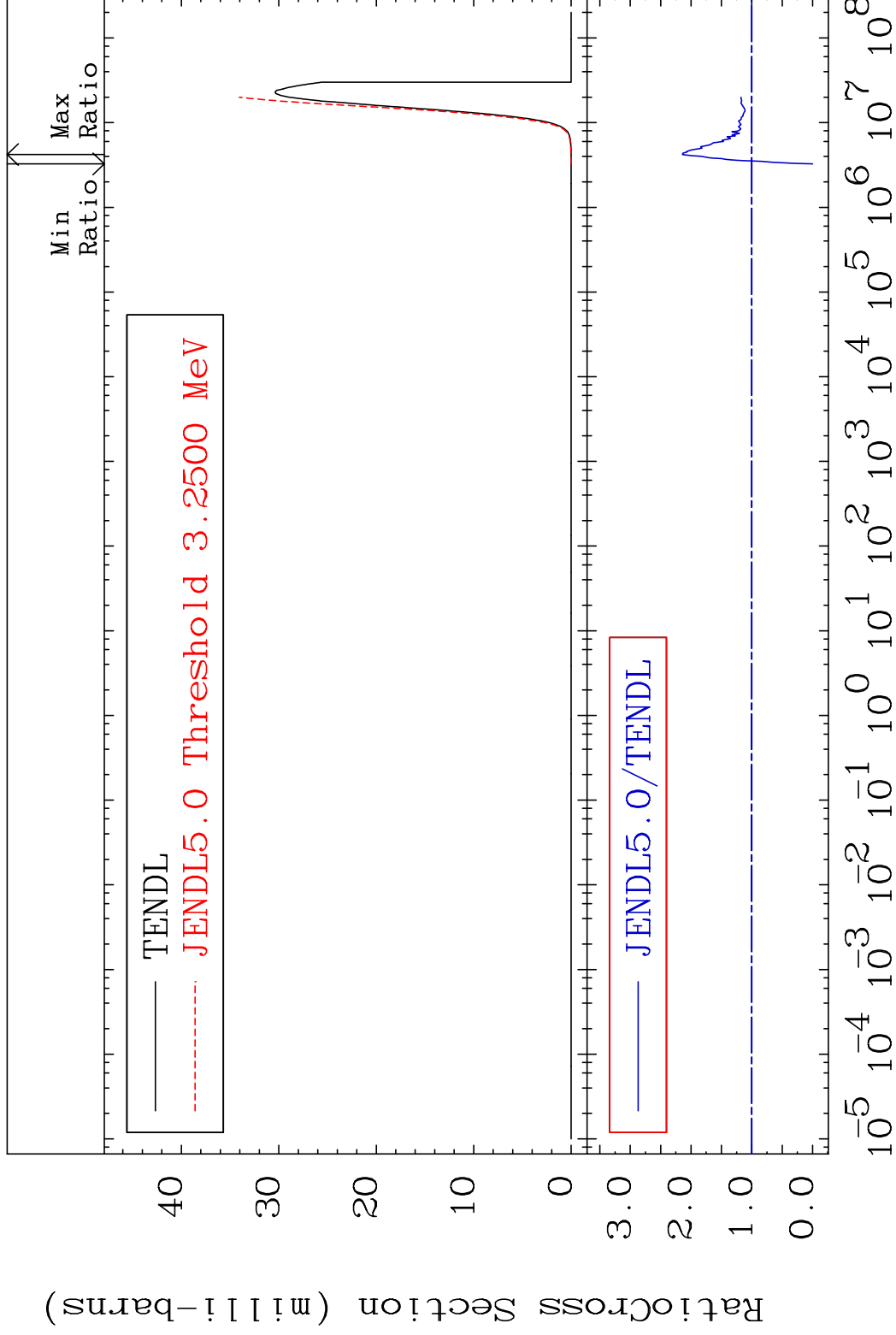
70-Yb-168

MAT 7025

(n, p)

70-Yb-168

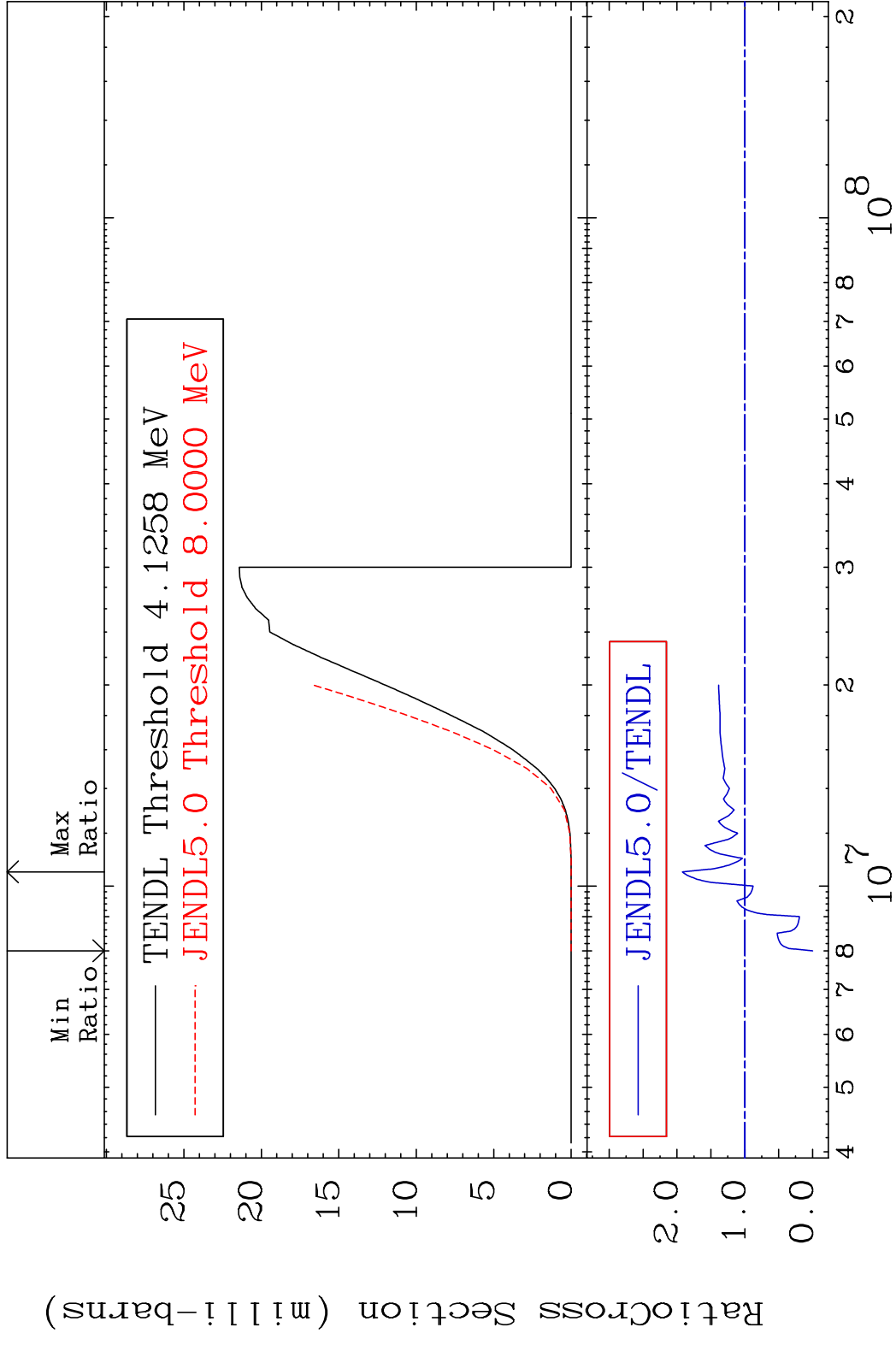
Cross Section -100.0 To 114.3 %



25

Incident Energy (eV)

70-Yb-168

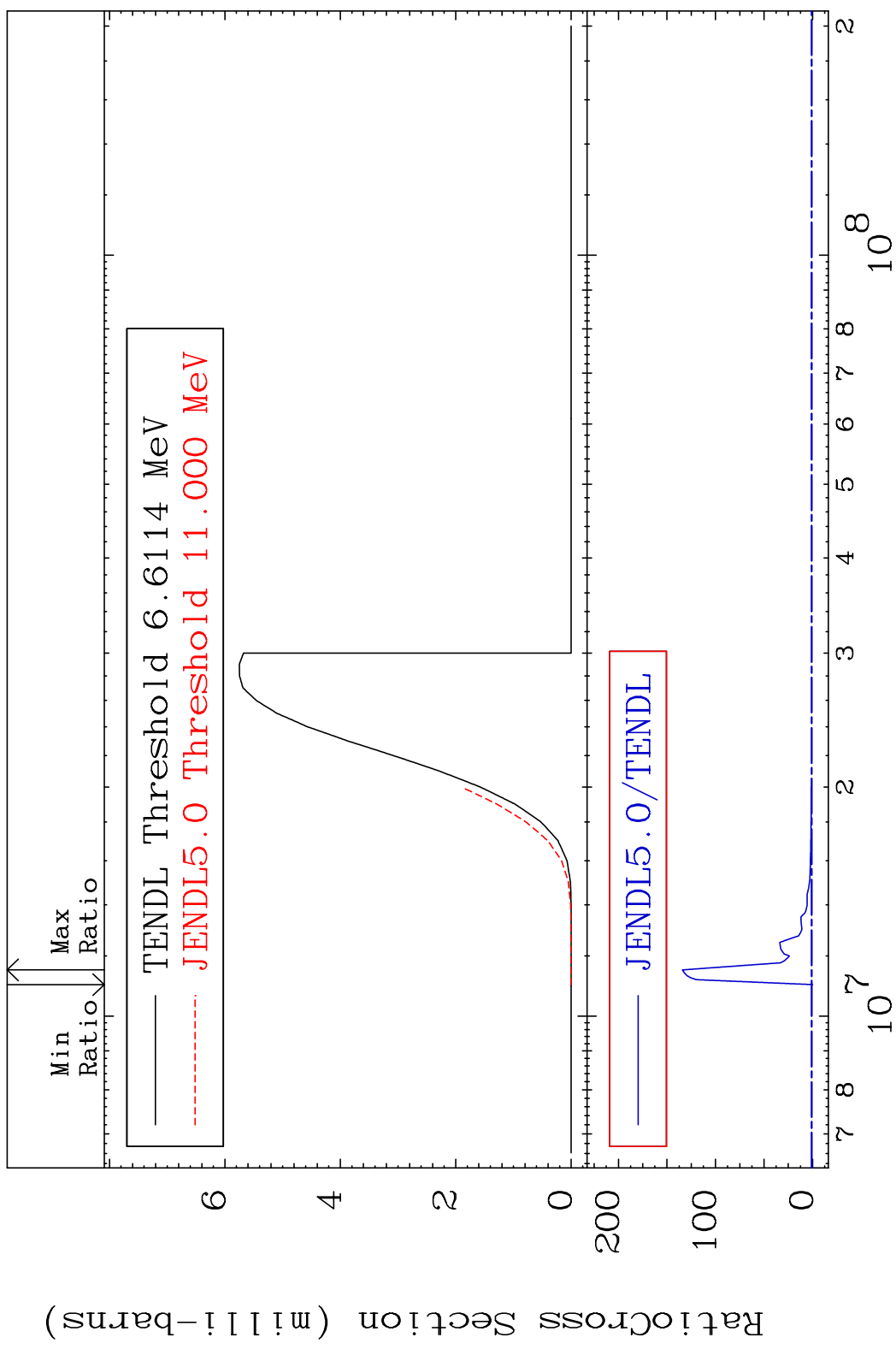


MAT 7025

(n, t)

70-Yb-168

Cross Section -100.0 To 9999. %

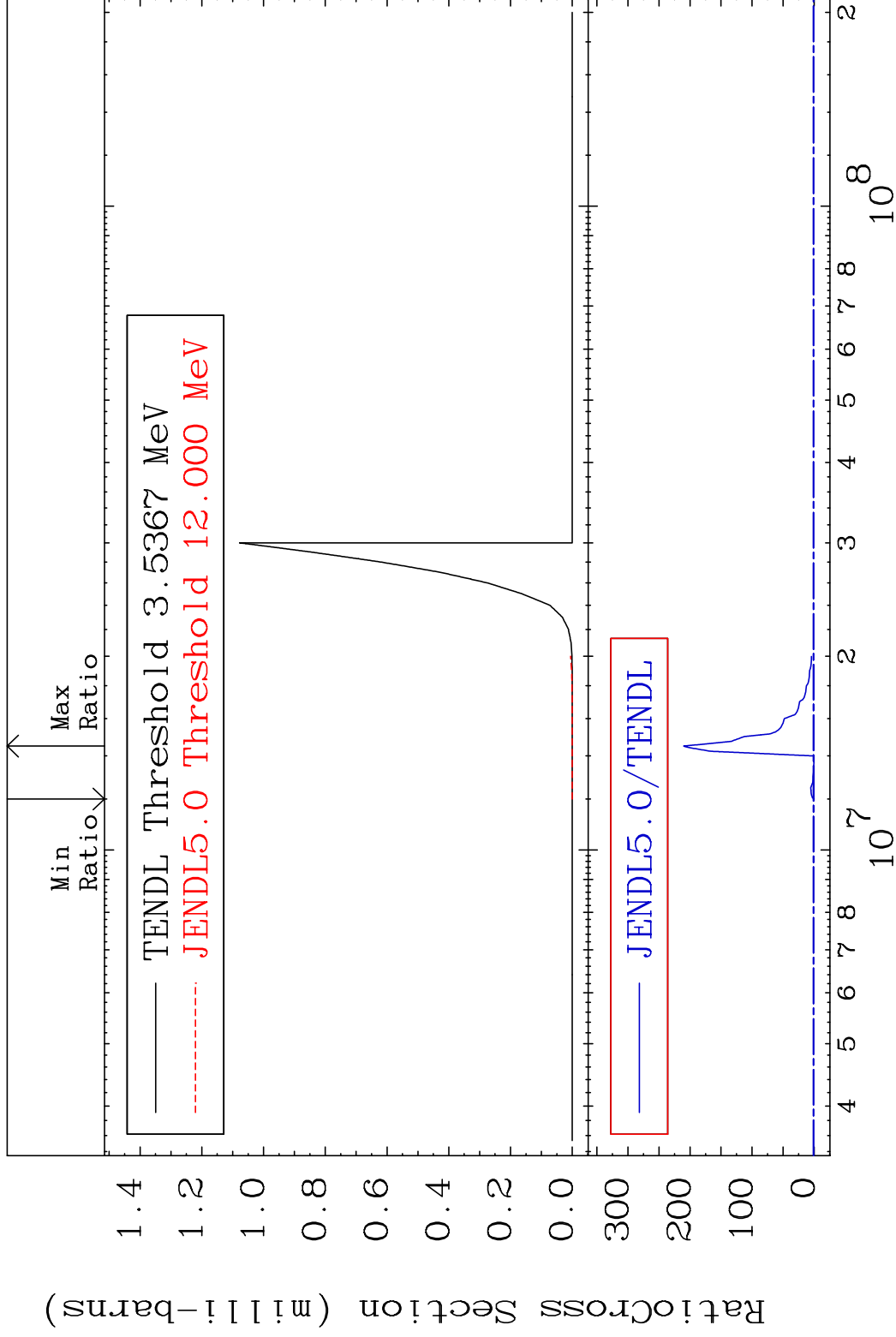


MAT 7025

(n, He-3)

70-Yb-168

Cross Section -100.0 To 9999. %

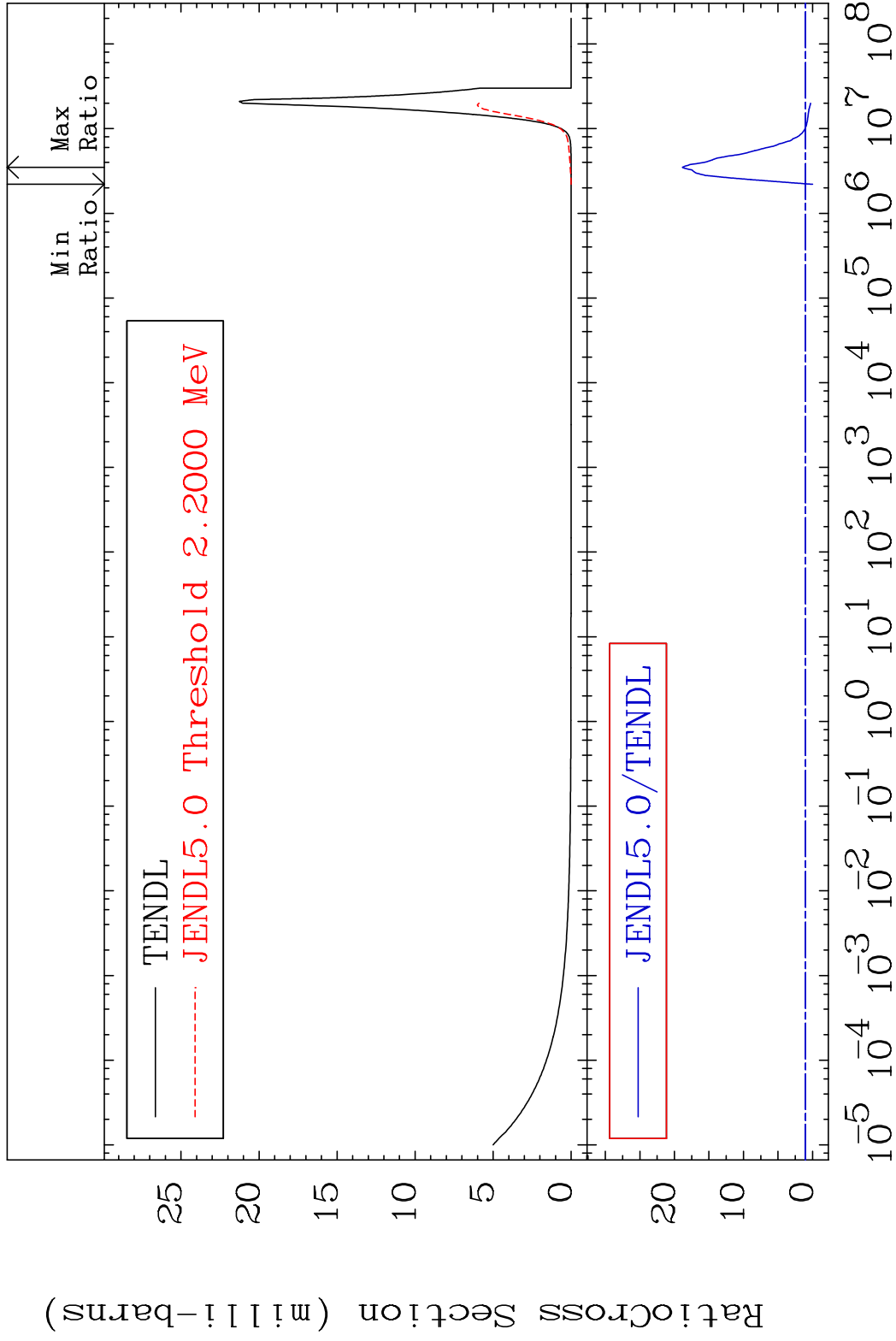


MAT 7025

(n,  $\alpha$ )

70-Yb-168

Cross Section -100.0 To 1785. %



29

Incident Energy (eV)

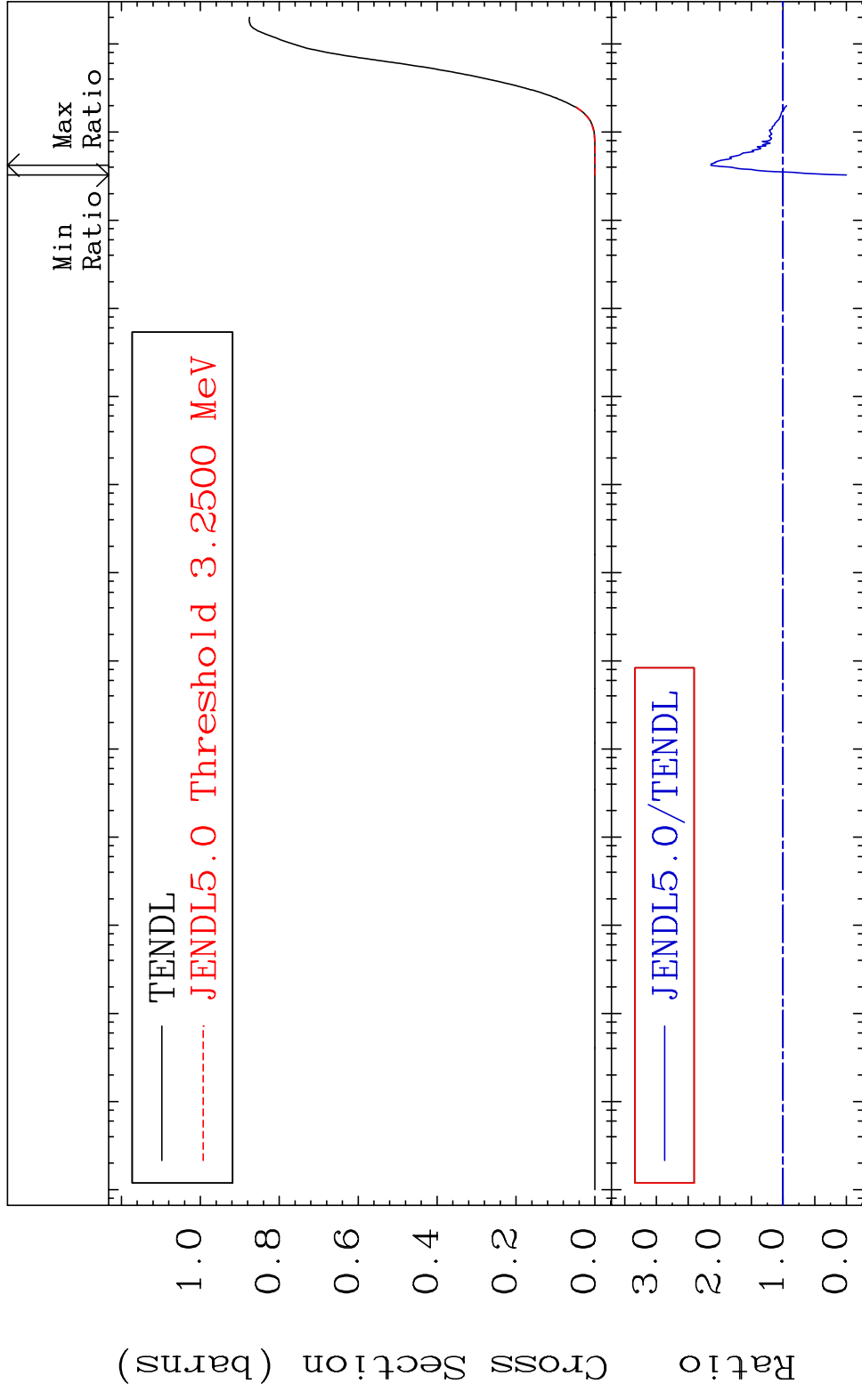
70-Yb-168

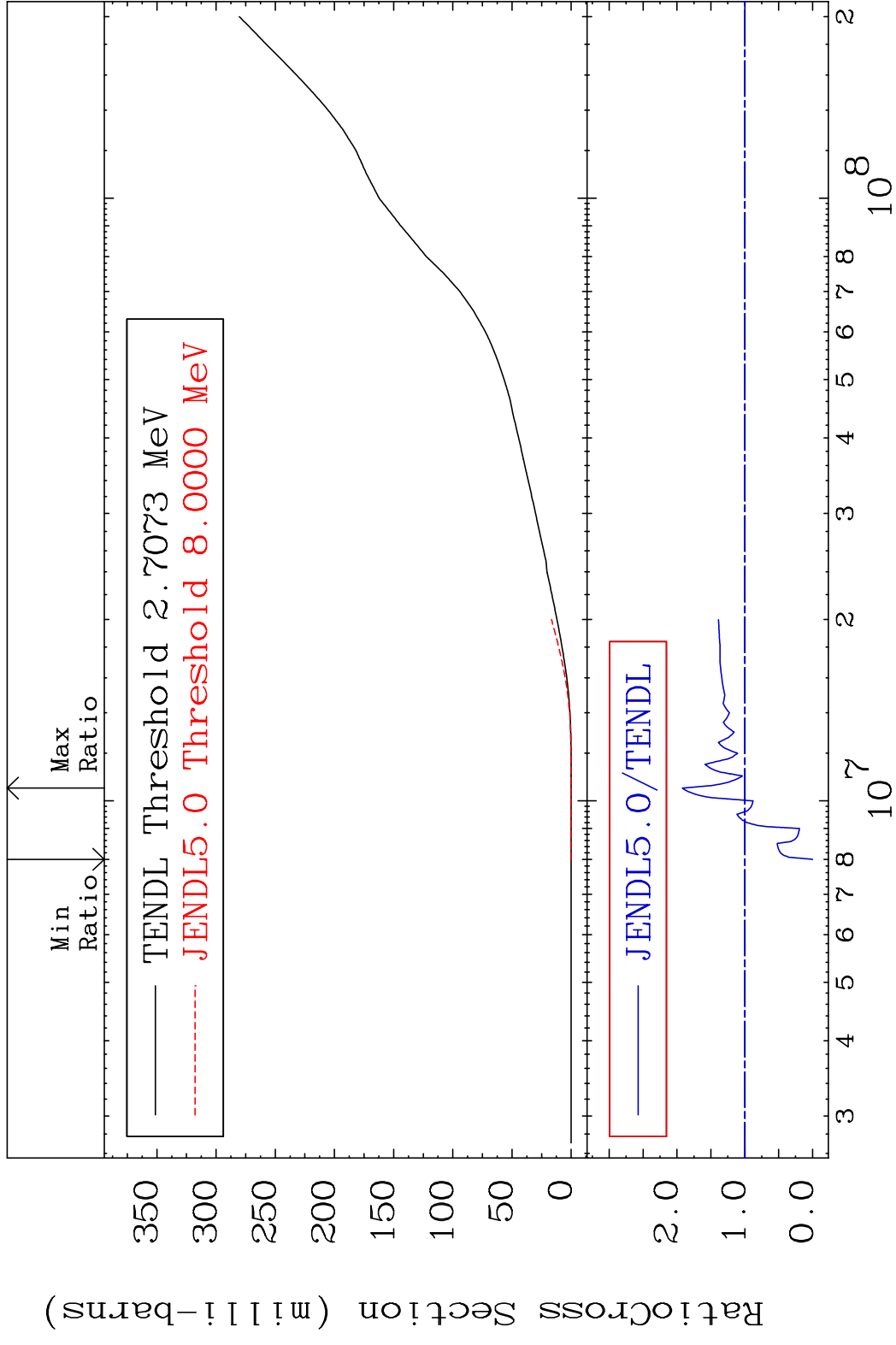
MAT 7025

Hydrogen Production

70-Yb-168

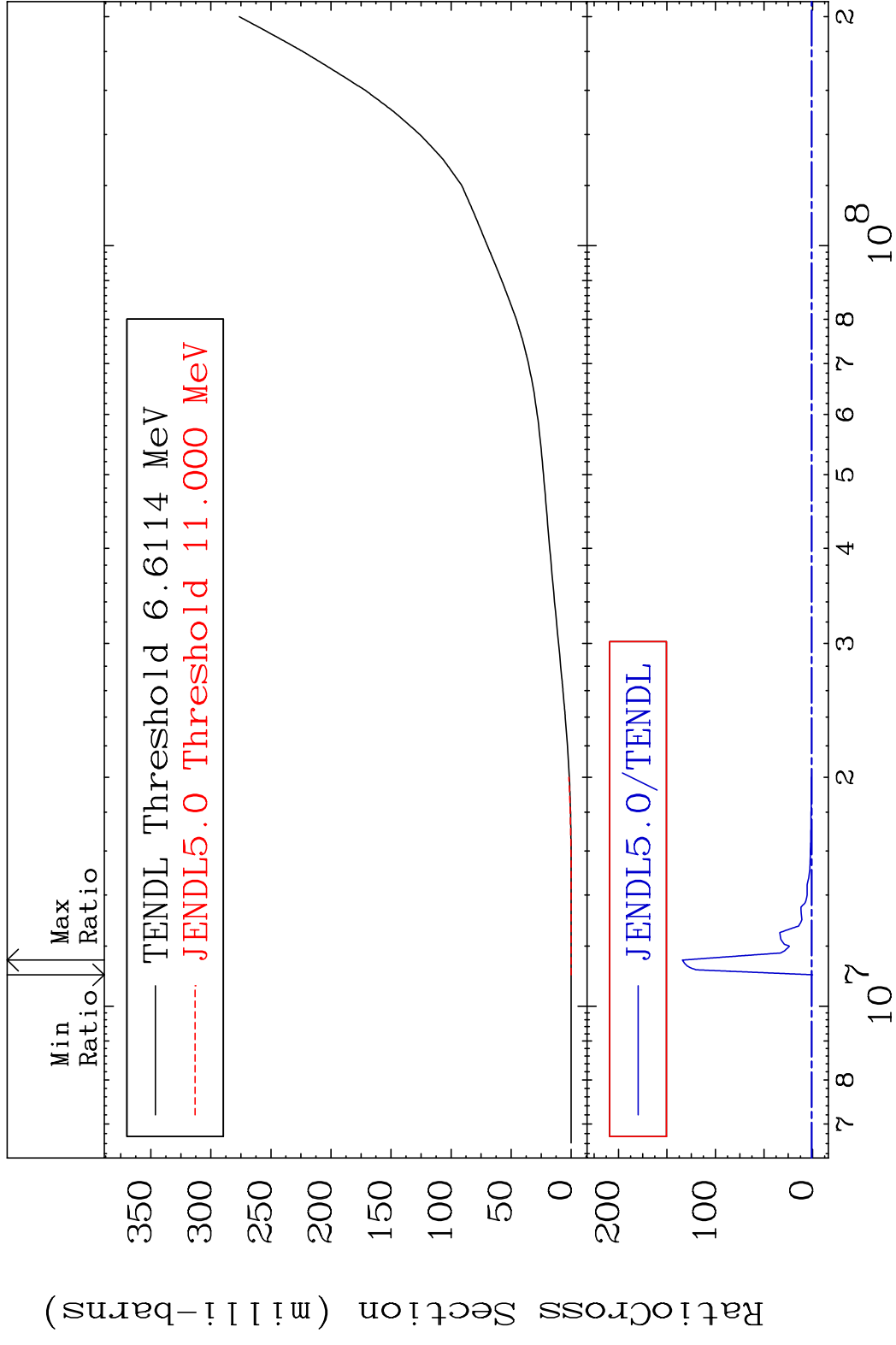
Cross Section -100.0 To 114.3 %



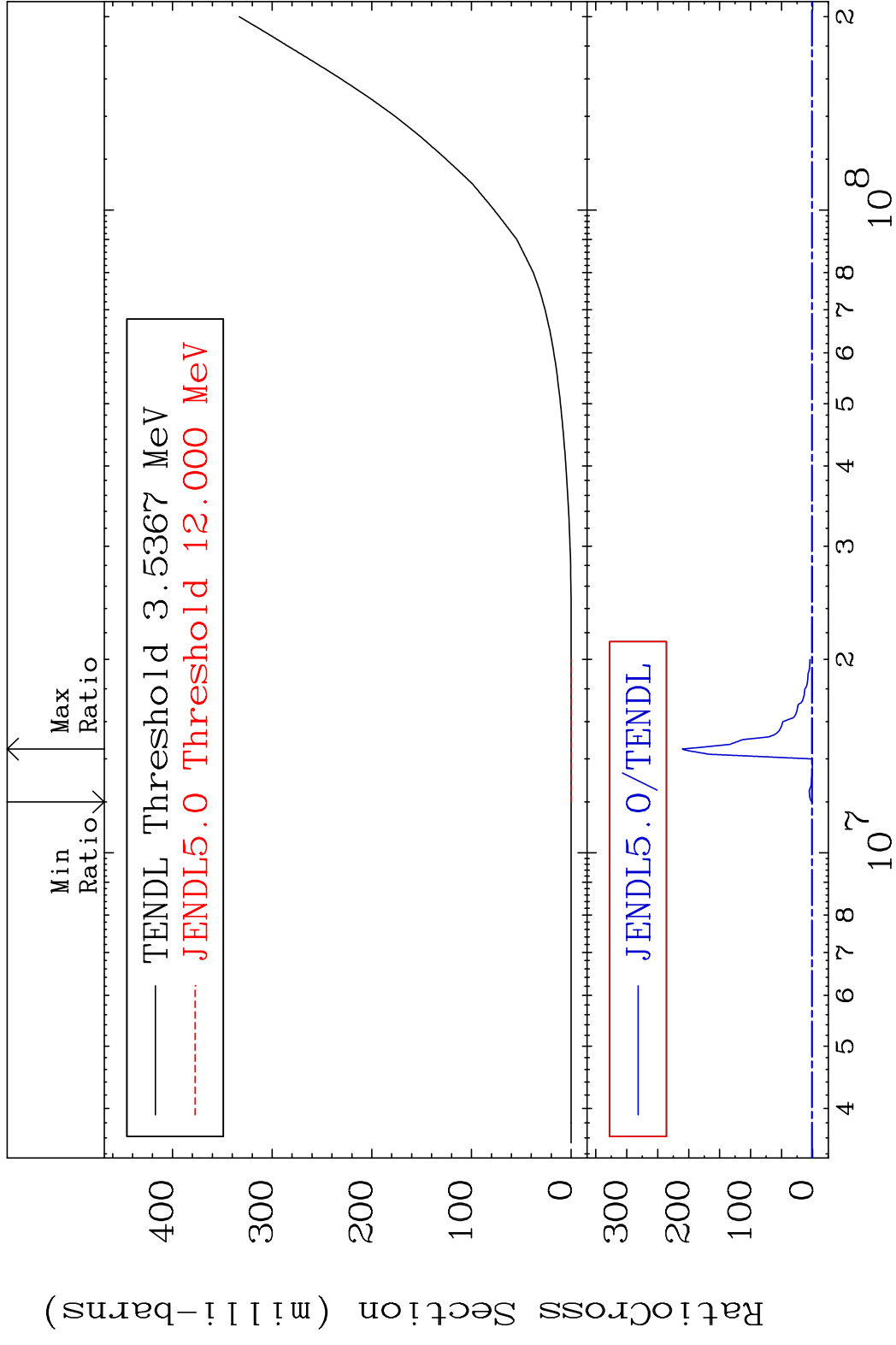




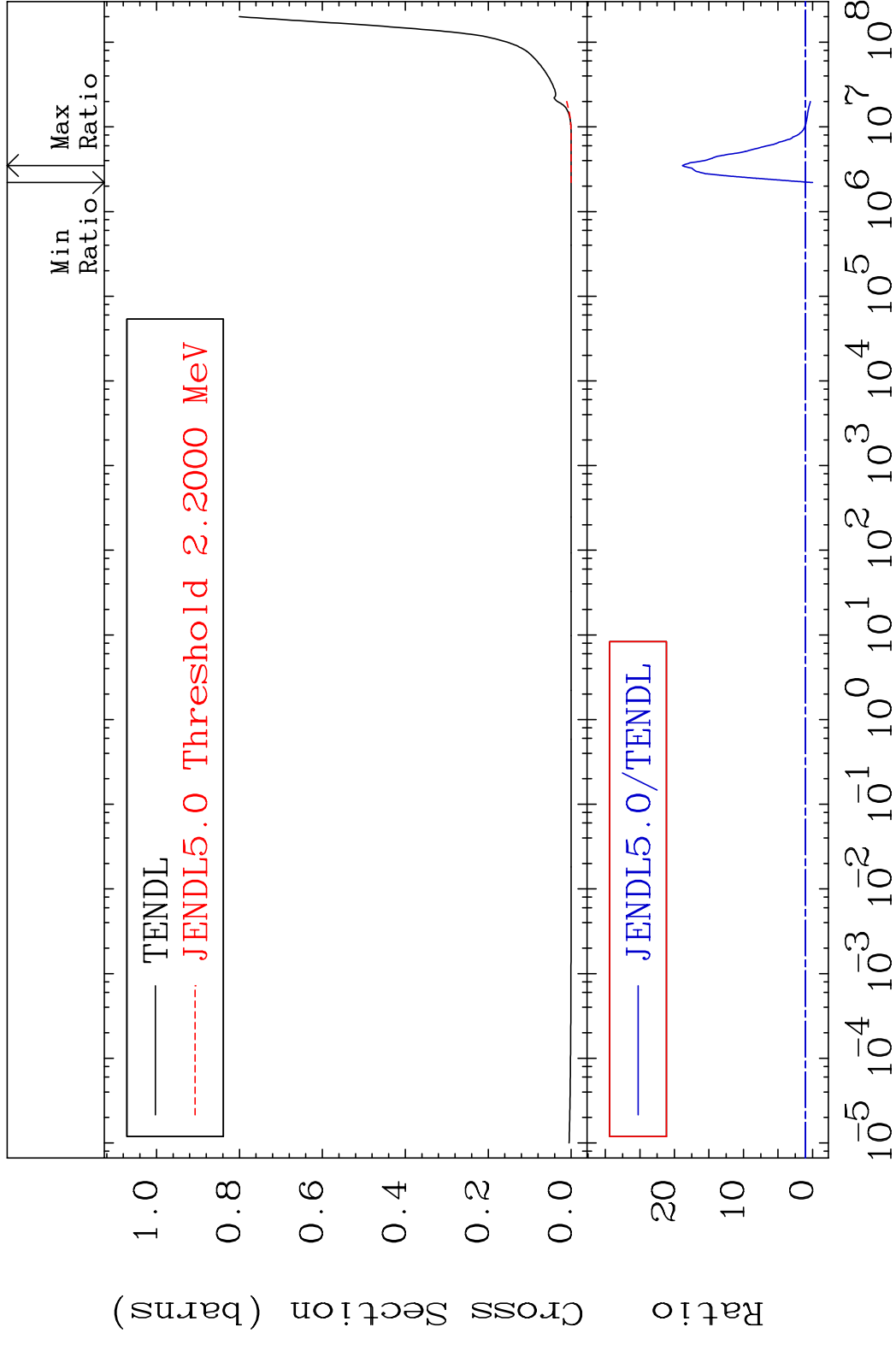
MAT 7025 Tritium Production 70-Yb-168  
 Cross Section -100.0 To 9999. %



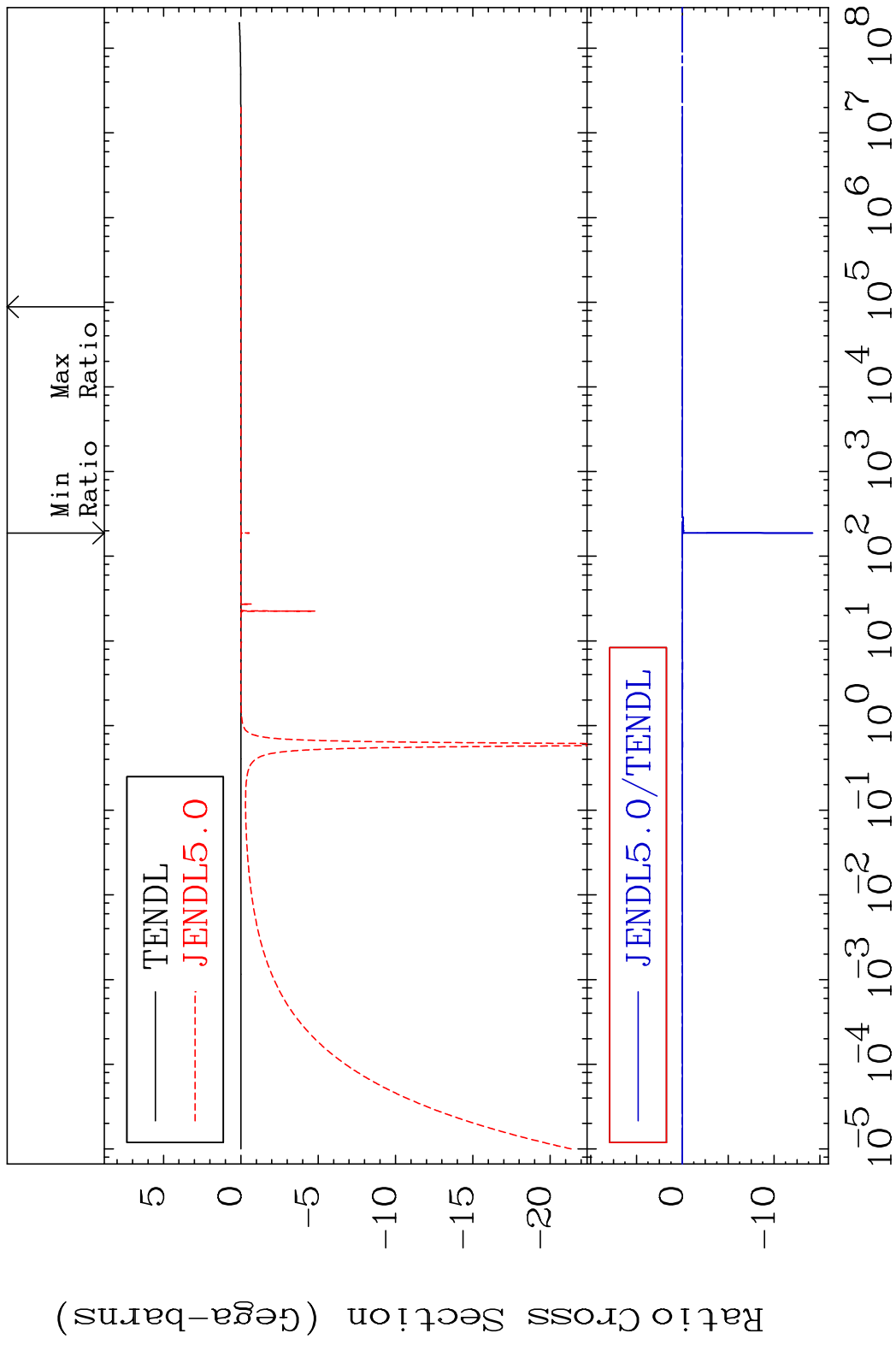
MAT 7025 He-3 Production 70-Yb-168  
 Cross Section -100.0 To 9999. %



Cross Section -100.0 To 1785. %



MAT 7025 Kerma total (eV-barns) 70-Yb-168  
 Cross Section -9999. To 152.2 %

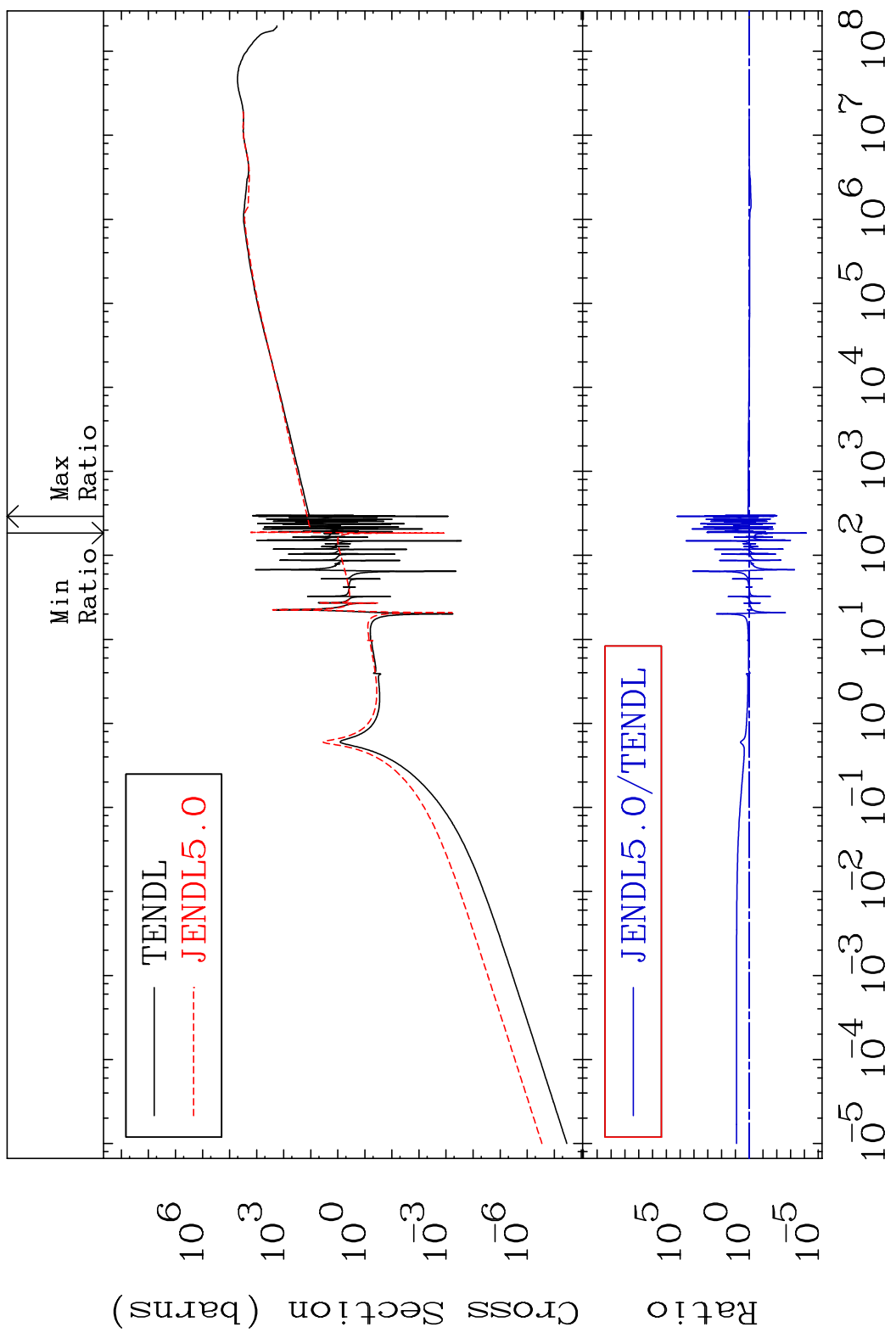


35 70-Yb-168

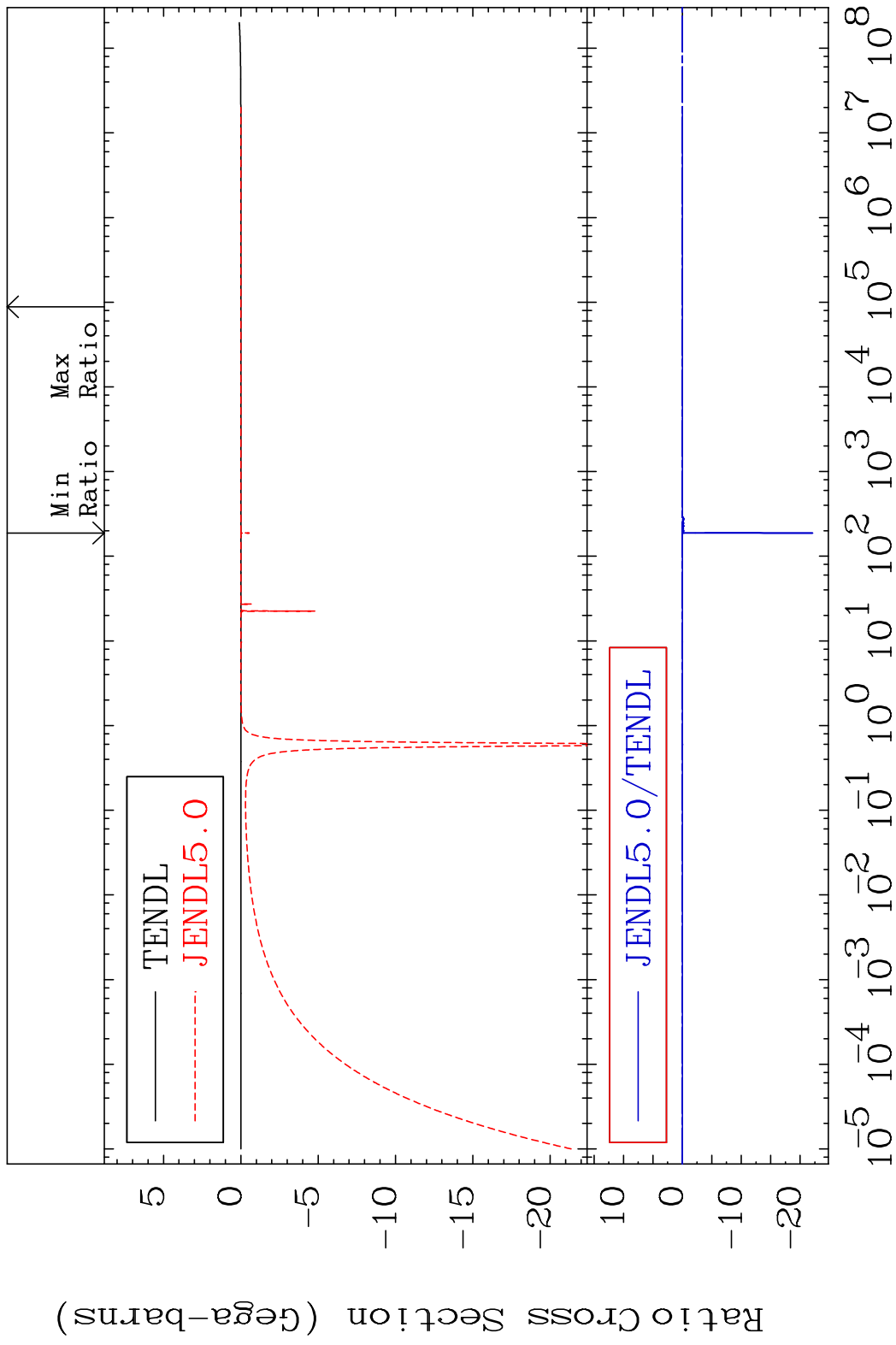
MAT 7025

Kerma elastic Cross Section -99.99 To 9999. %

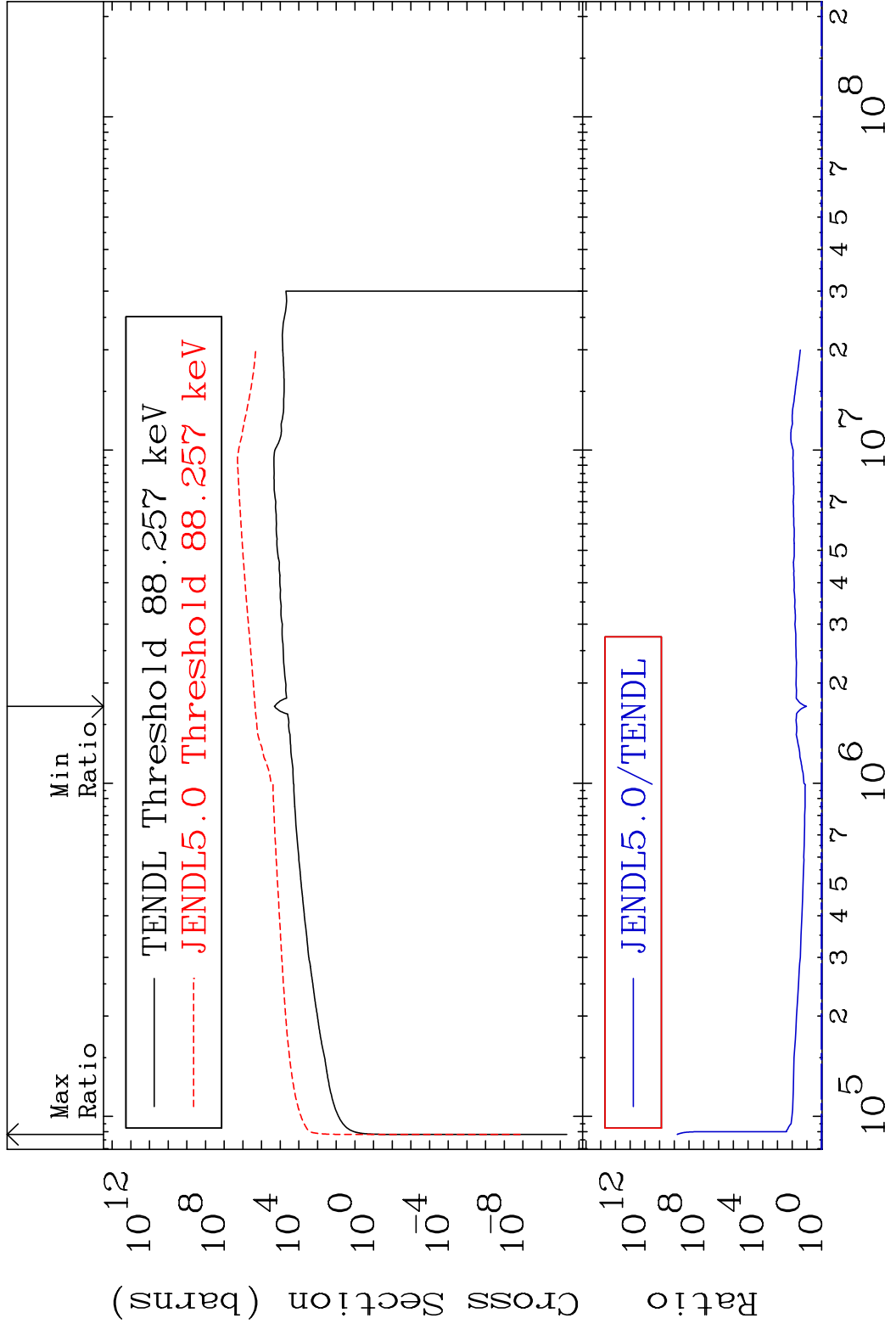
70-Yb-168



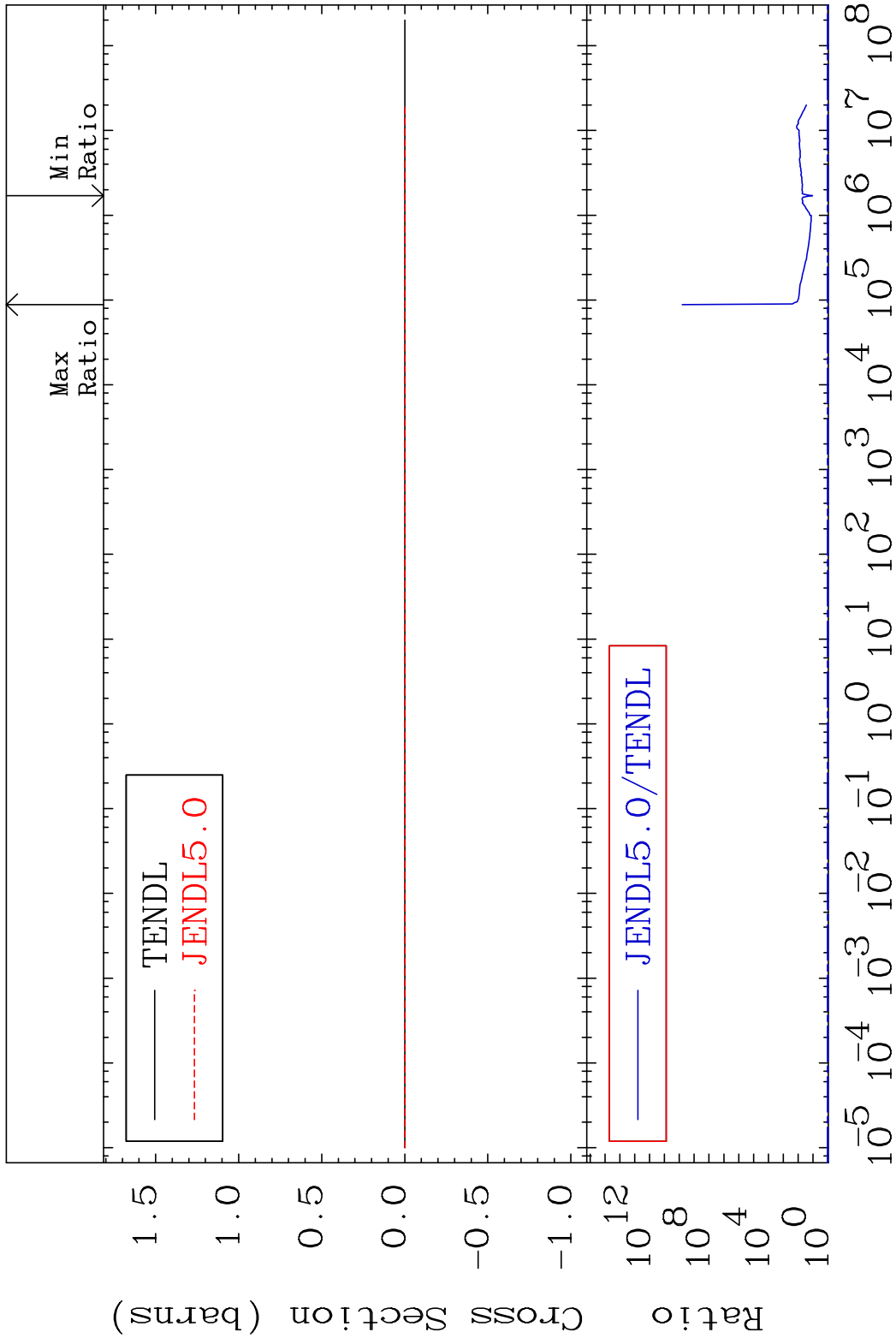
MAT 7025 Kerma non-elastic (all but mt2) 70-Yb-168  
 Cross Section -9999. To 9999. %



MAT 7025 Kerma inelastic (mt51-91) 70-Yb-168  
 Cross Section 986.2 To 9999. %



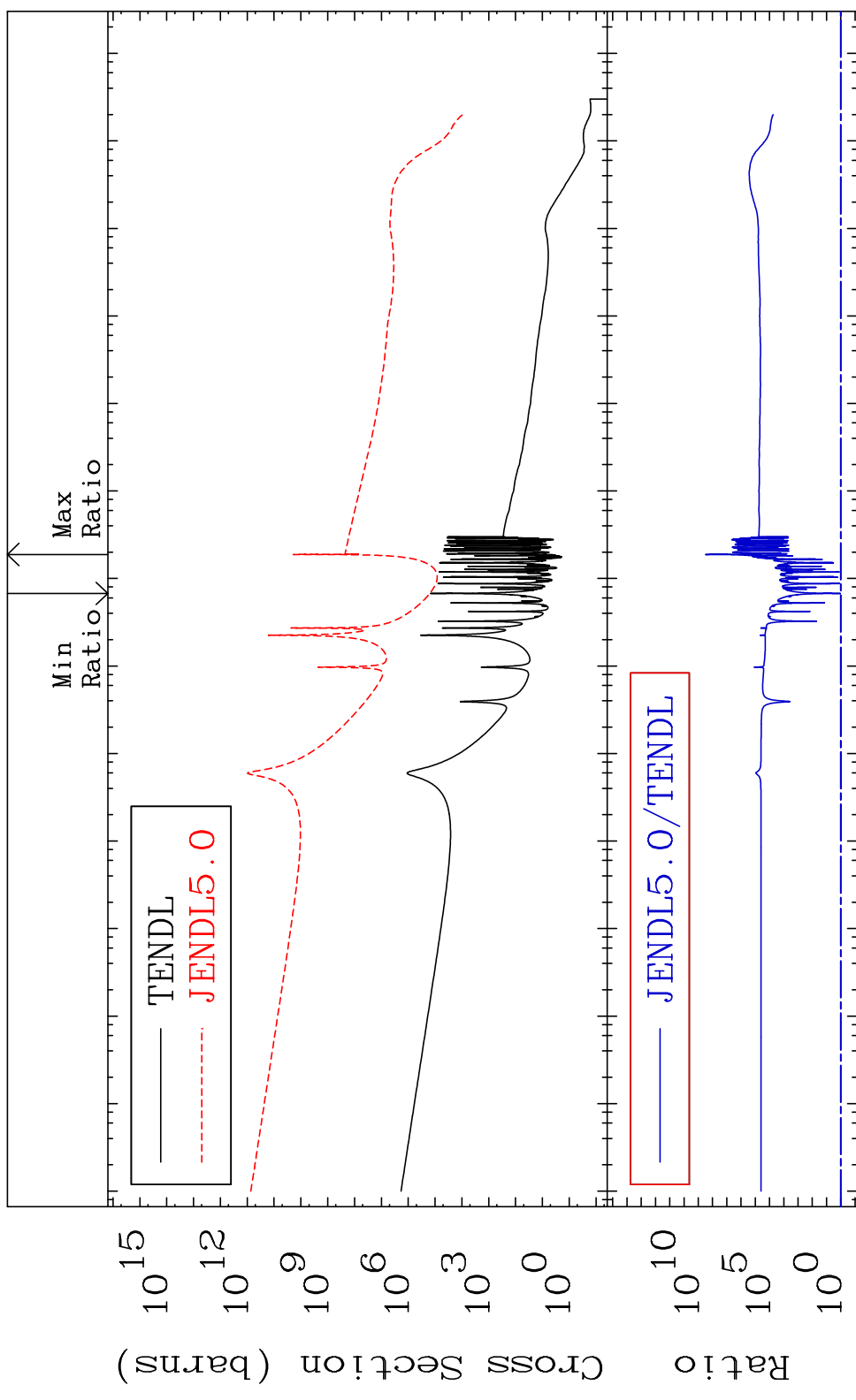
MAT 7025 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-168  
 Cross Section 986.2 To 9999. %





MAT 7025

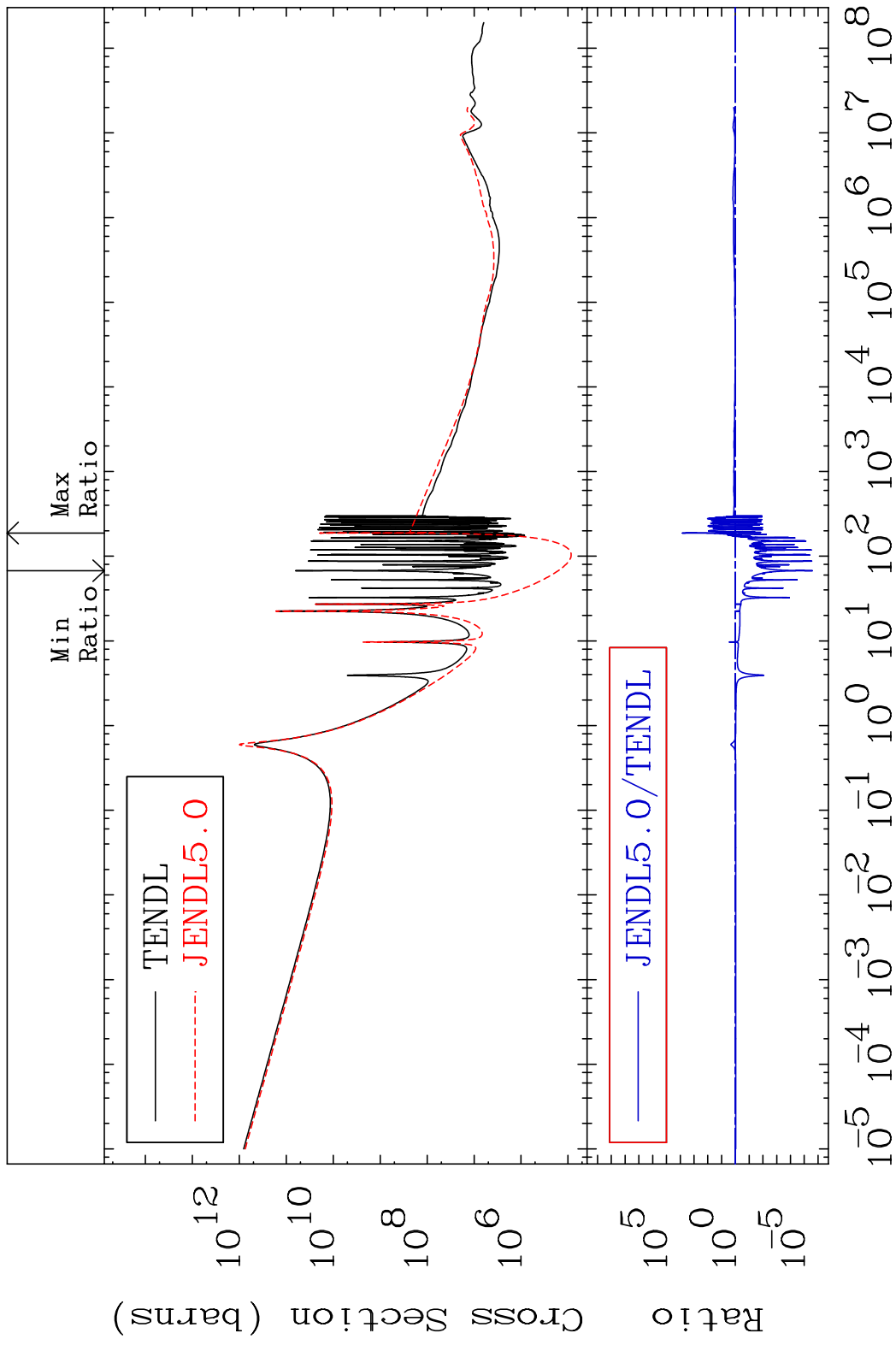
Kerma capture (mt102) 70-Yb-168  
Cross Section 6.195 To 9999. %



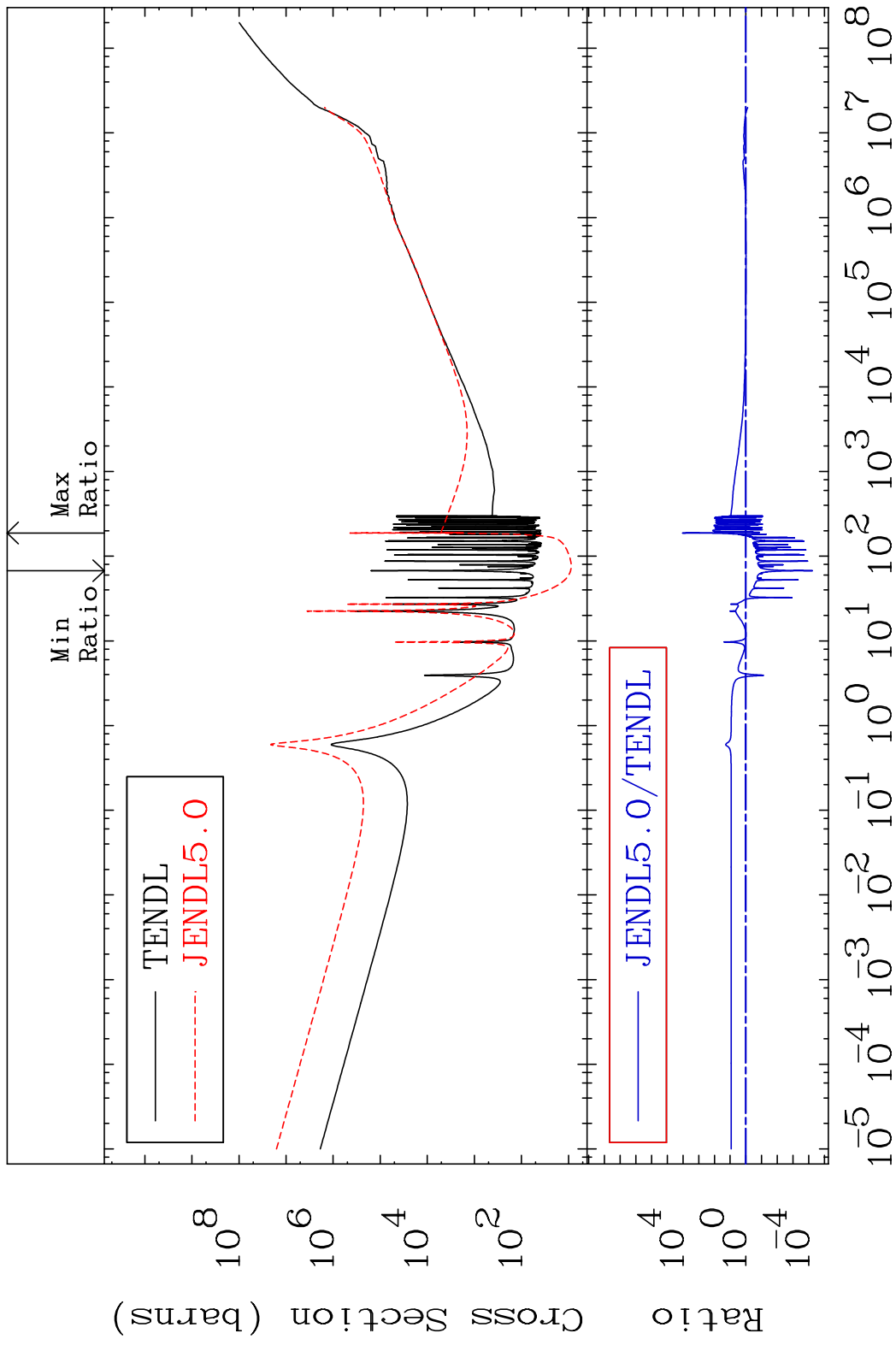
40

Incident Energy (eV) 70-Yb-168

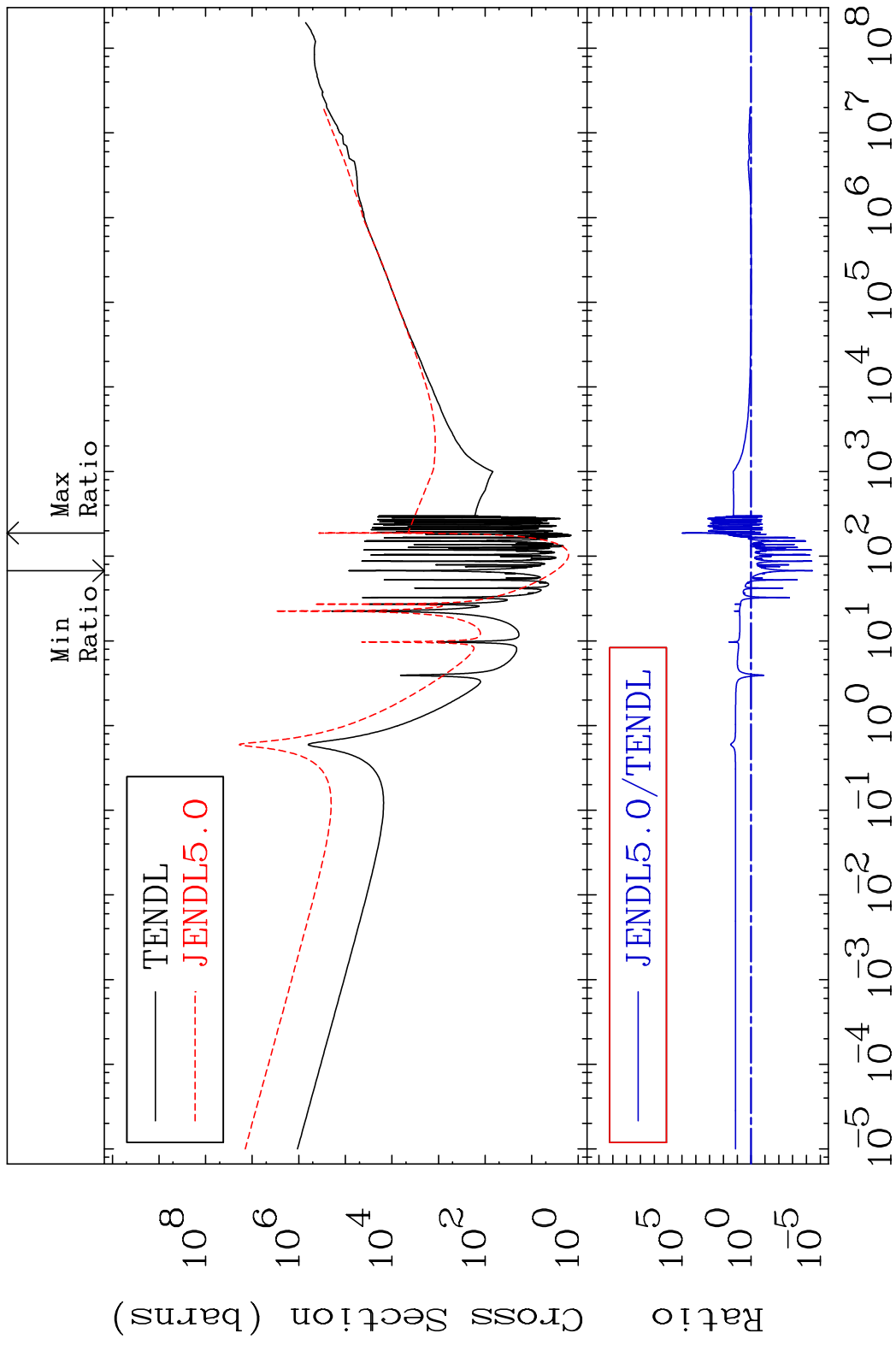
MAT 7025 Total photon (eV-barns) 70-Yb-168  
 Cross Section -100.0 To 9999. %



MAT 7025 Total kinematic kerma (high limit) 70-Yb-168  
 Cross Section -99.99 To 9999. %



MAT 7025 Dpa total (eV-barns) 70-Yb-168  
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 70-Yb-168

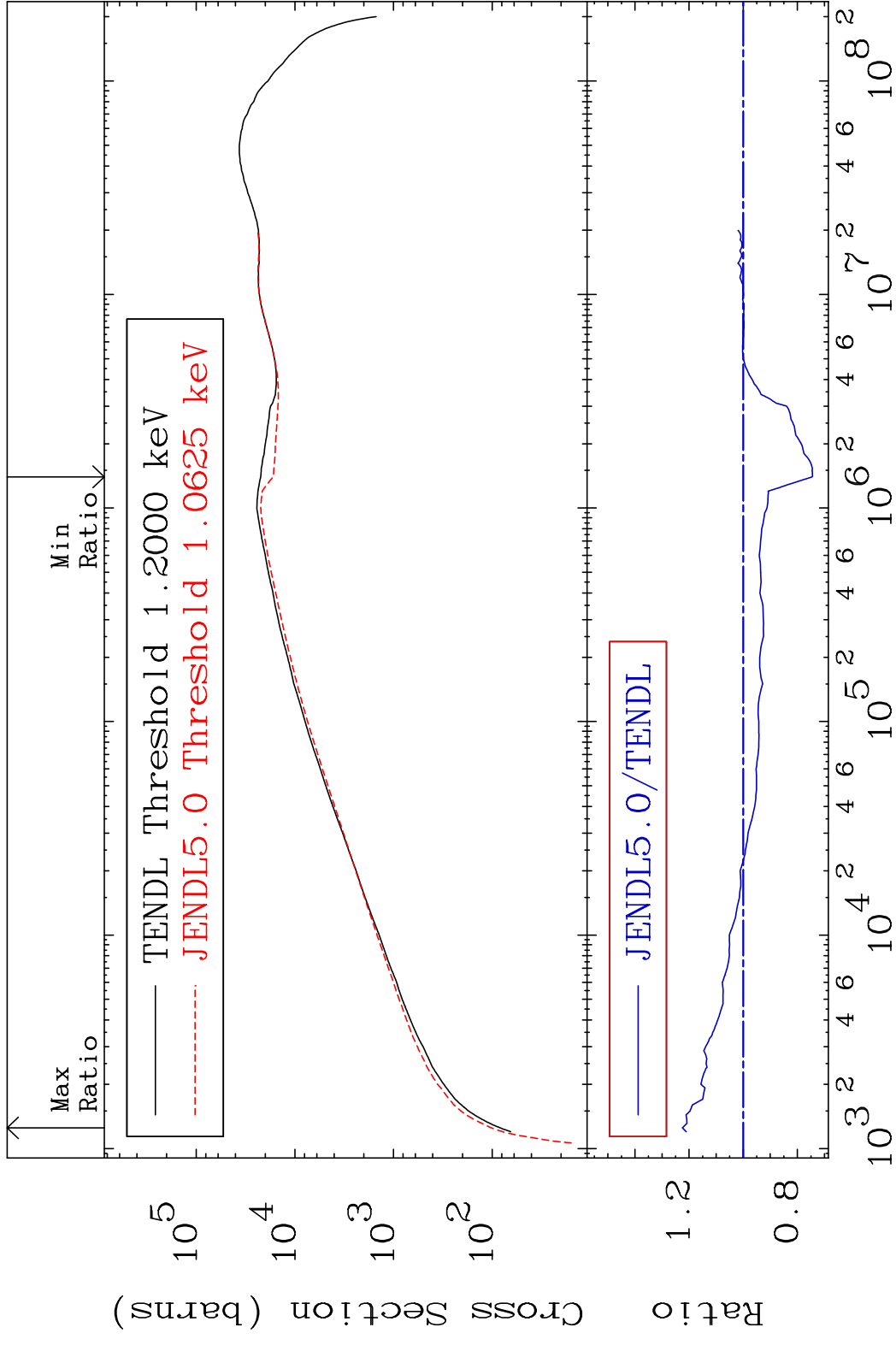
MAT 7025

Dpa elastic (mt2)

70-Yb-168

Cross Section

-25.61 To 22.48 %

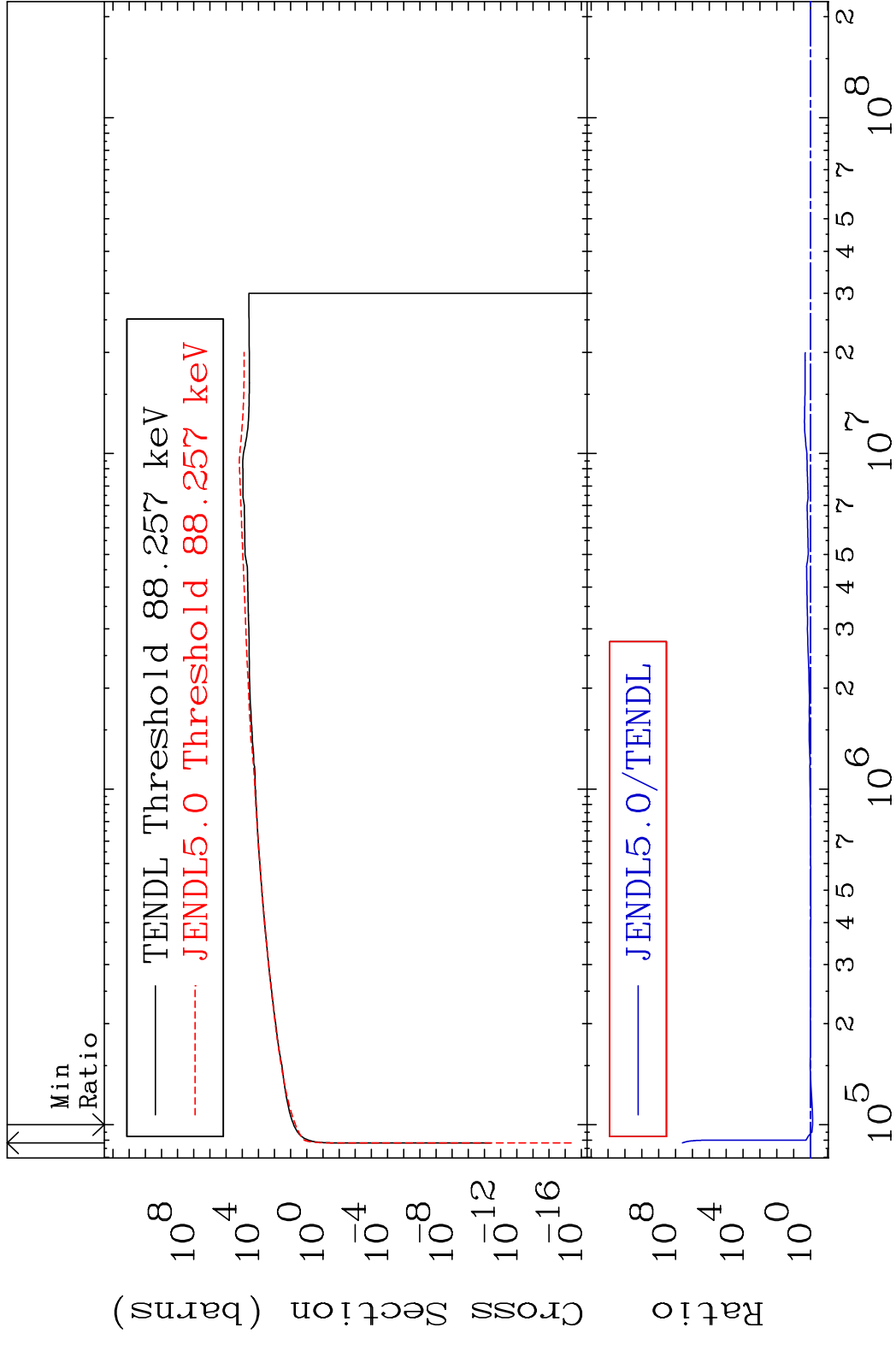


44

Incident Energy (eV)

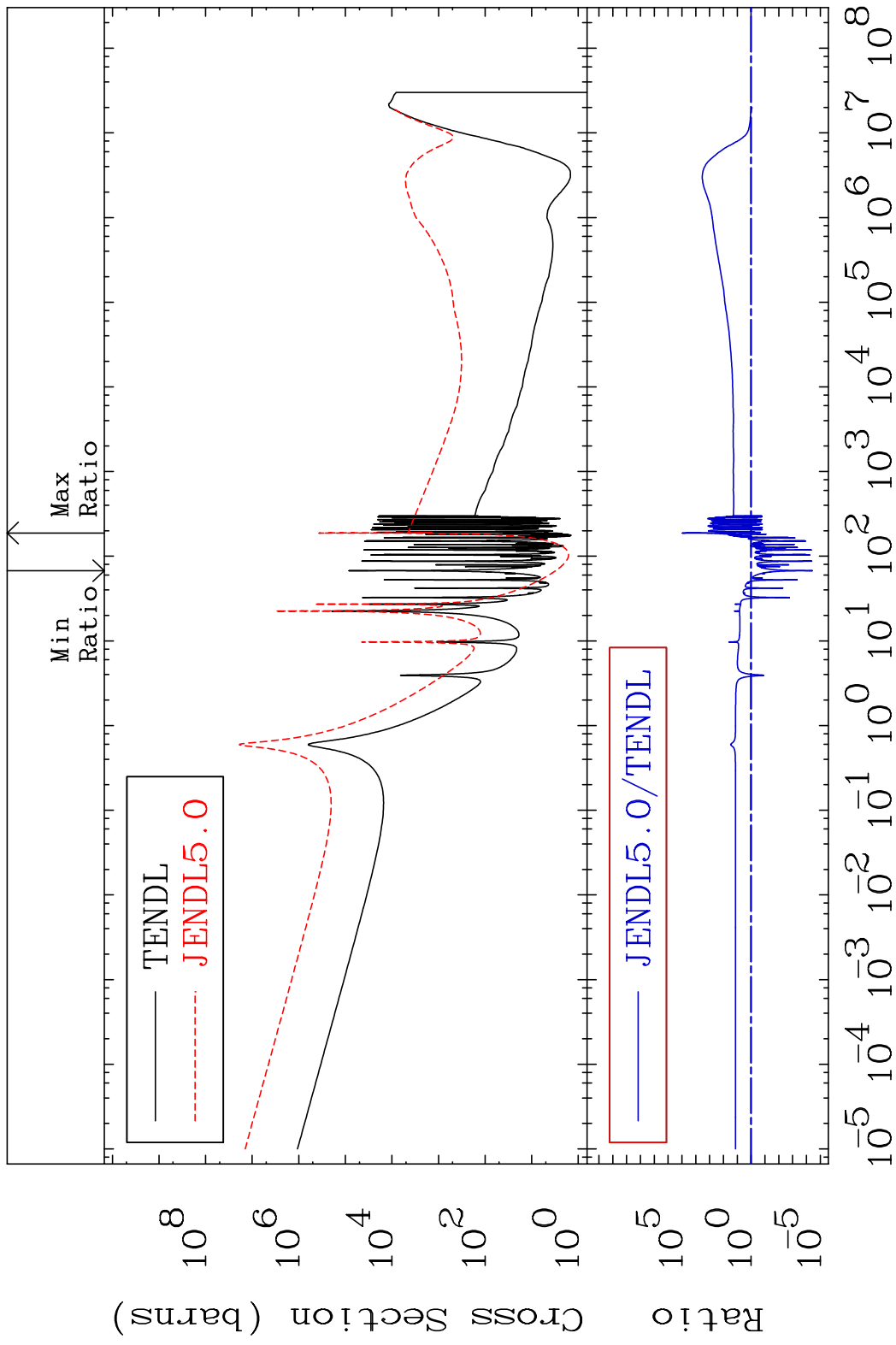
70-Yb-168

MAT 7025      Dpa inelastic (mt51-91)      70-Yb-168  
 Cross Section      -22.75 To 9999. %

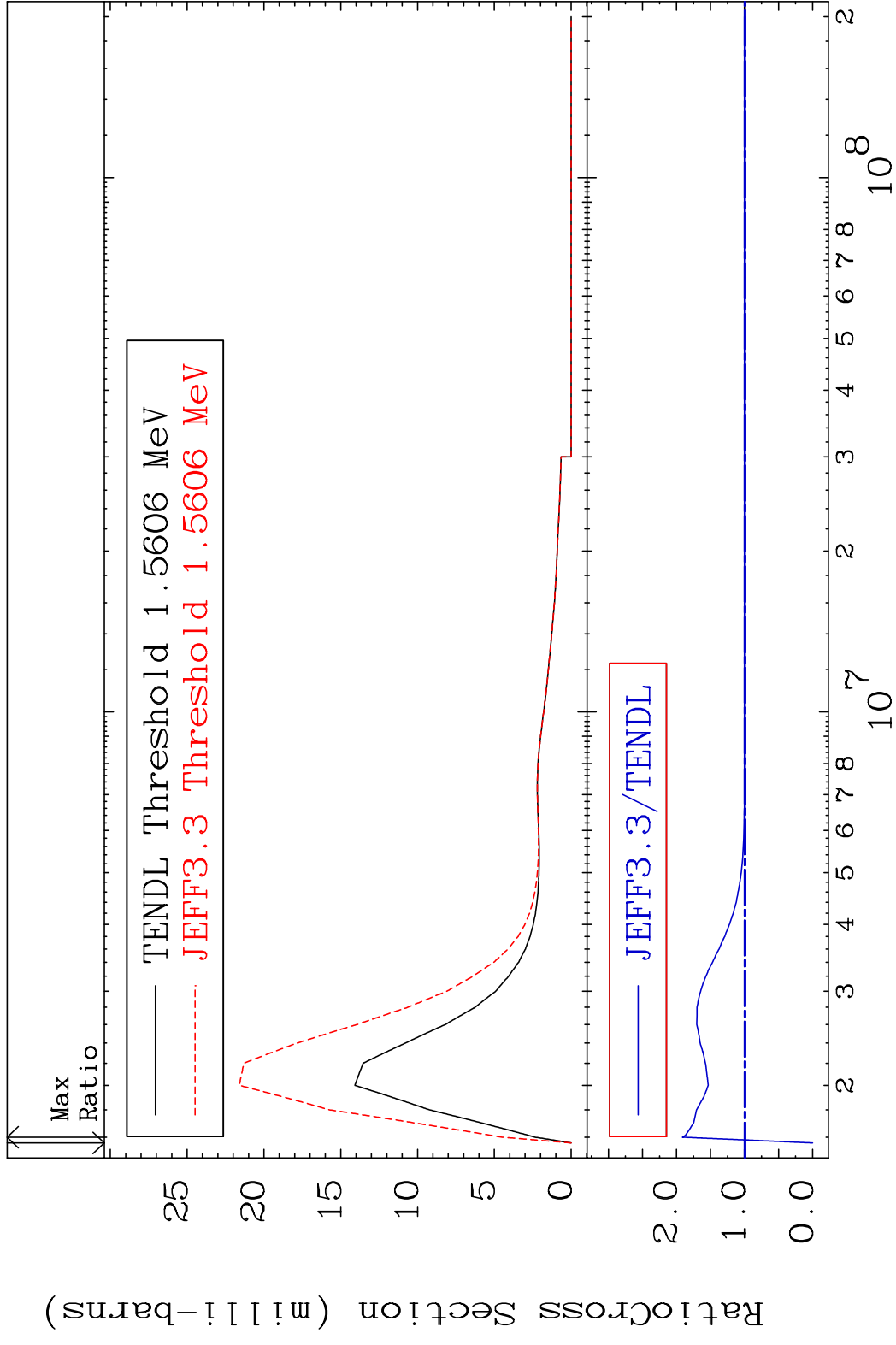


45      Incident Energy (eV)      70-Yb-168

MAT 7025 Dpa disappearance (mt102 -120) 70-Yb-168  
 Cross Section -100.0 To 9999. %

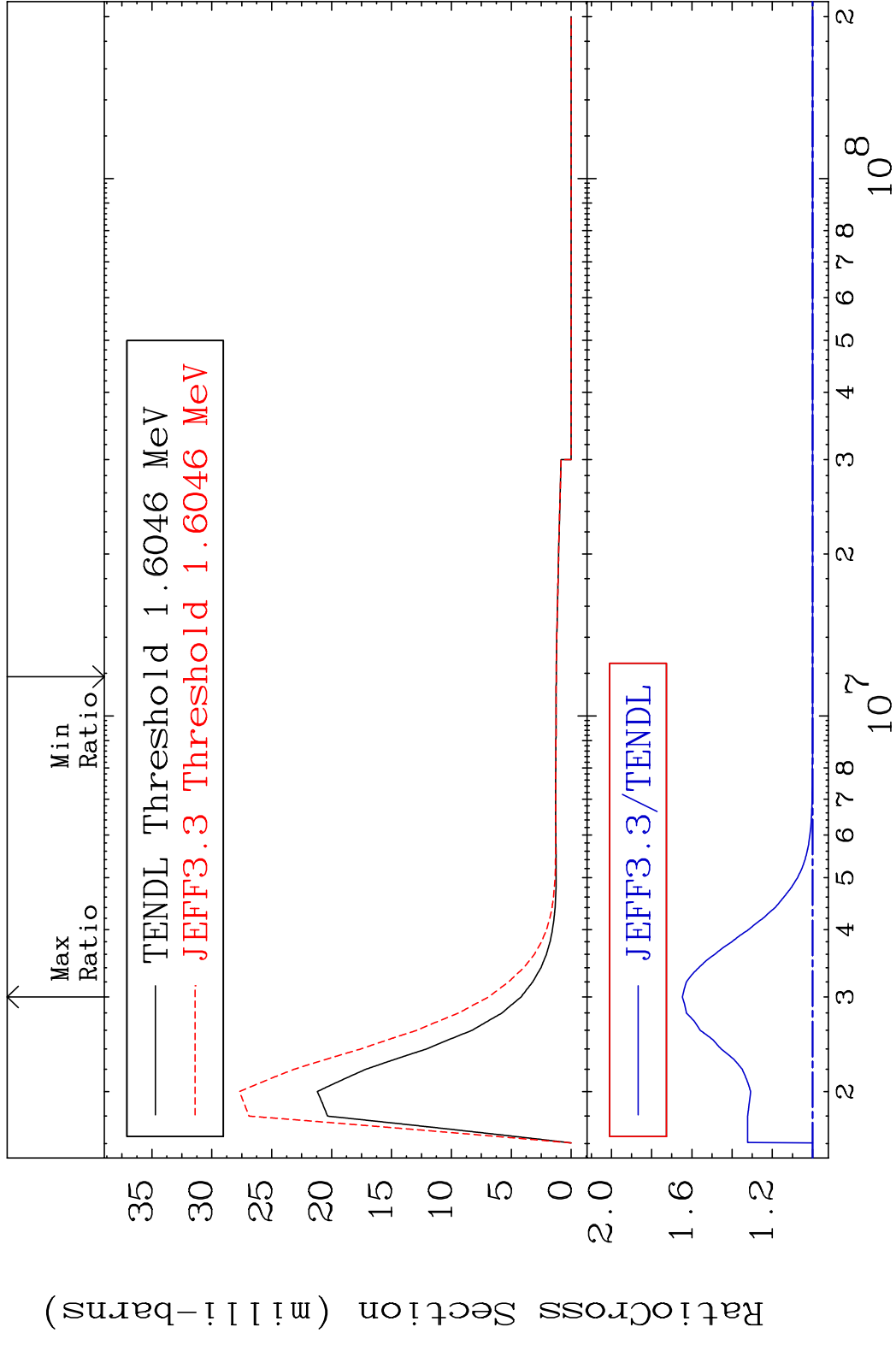


MAT 7025 MT= 77 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 91.39 %

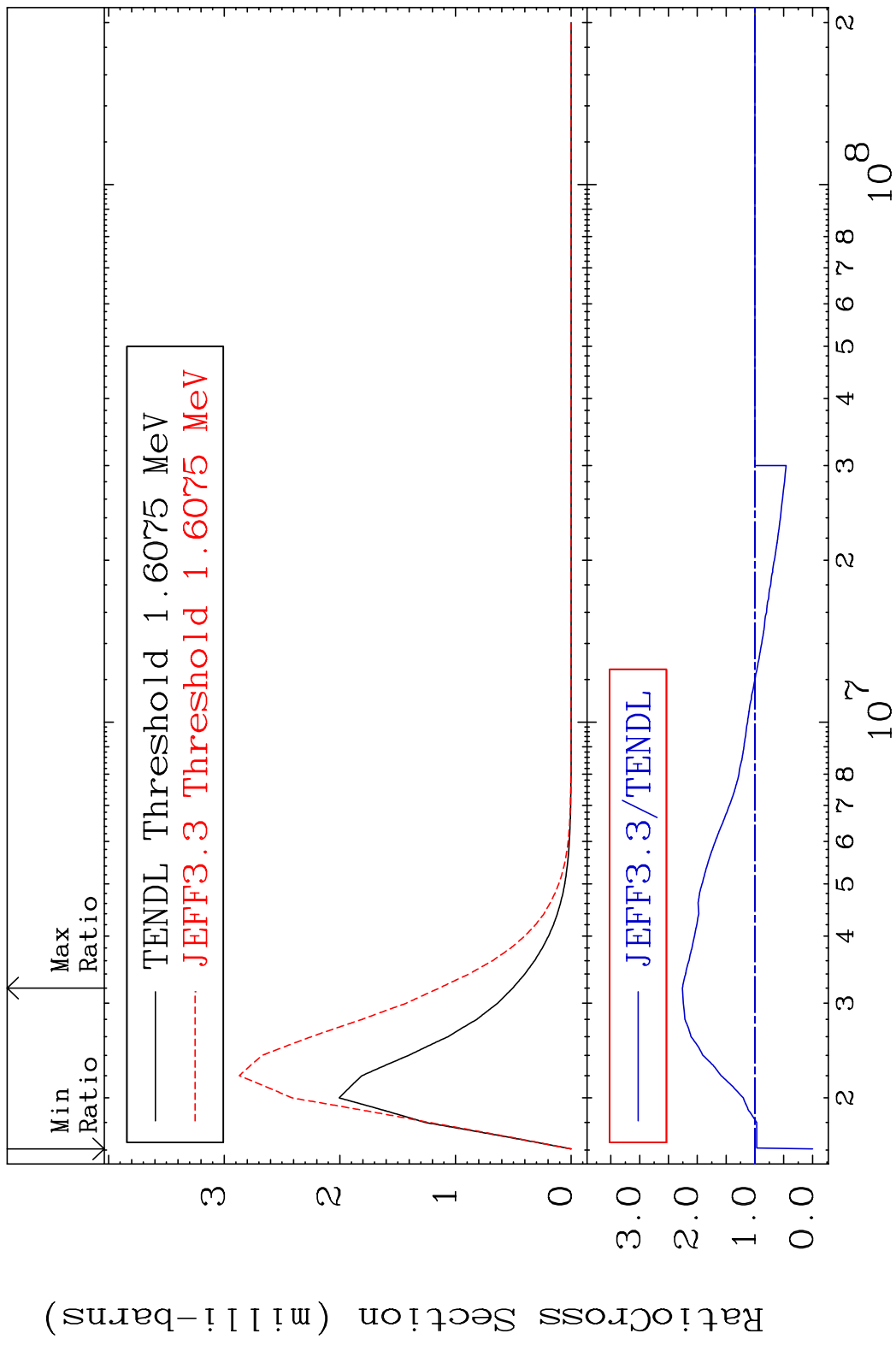




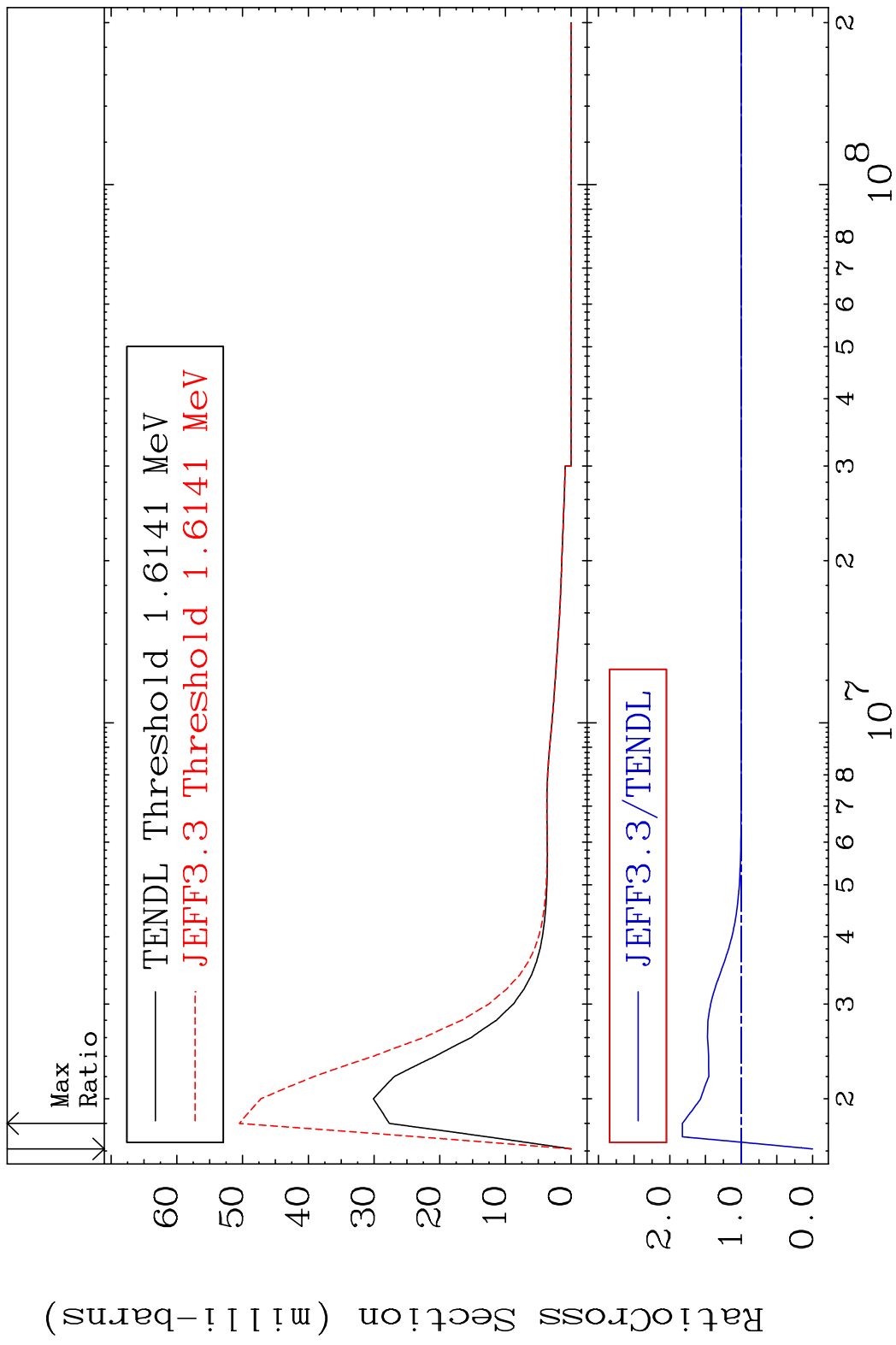
MAT 7025 MT= 78 (n,n') Level 70-Yb-168  
 Cross Section 0.000 To 64.73 %



MAT 7025 MT= 79 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 125.9 %

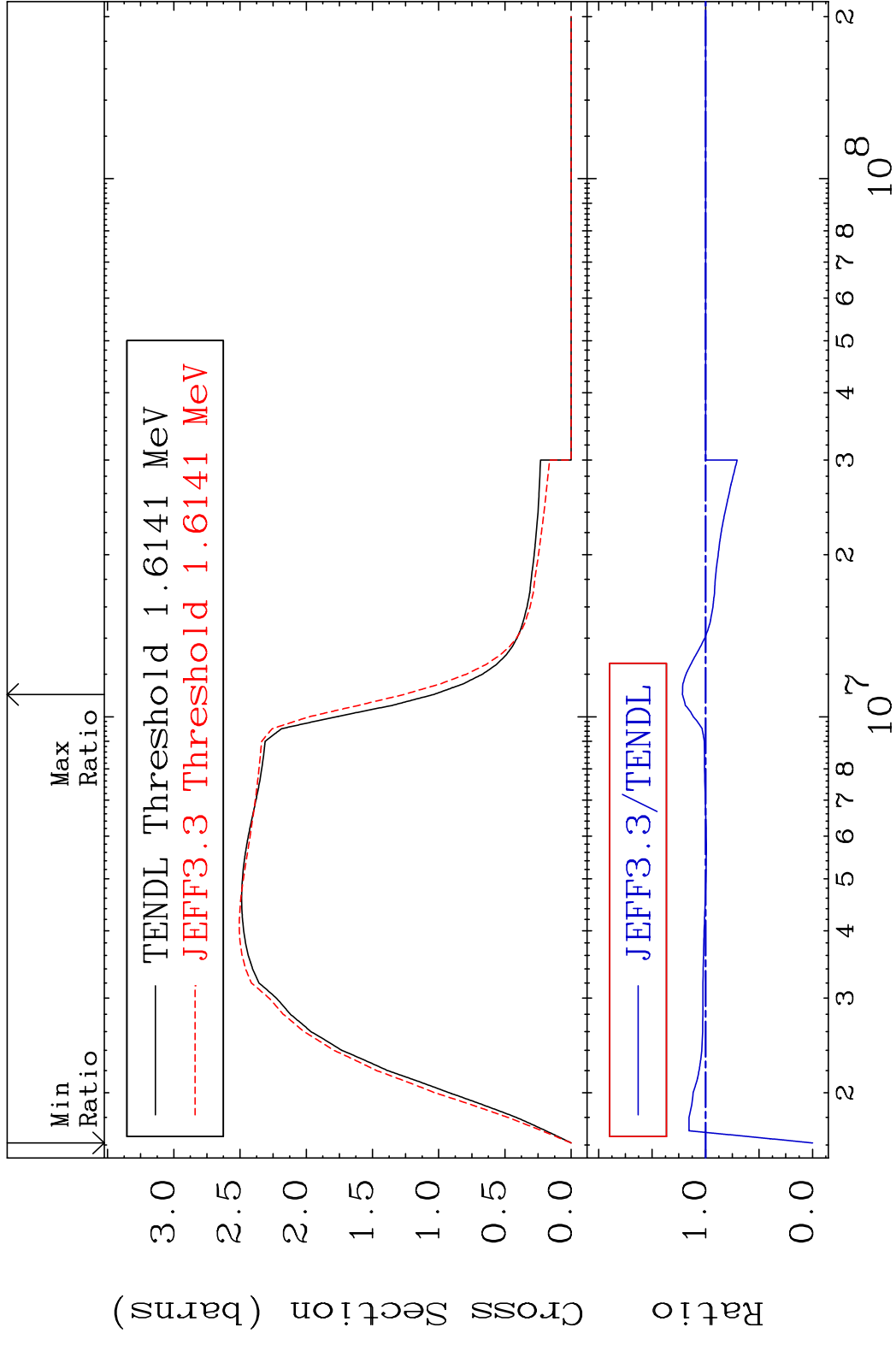


MAT 7025 MT= 80 (n, n') Level 70-Yb-168  
 Cross Section -100.0 To 82.43 %



50 Incident Energy (eV) 70-Yb-168

MAT 7025 (n, n') Continuum 70-Yb-168  
 Cross Section -100.0 To 21.70 %

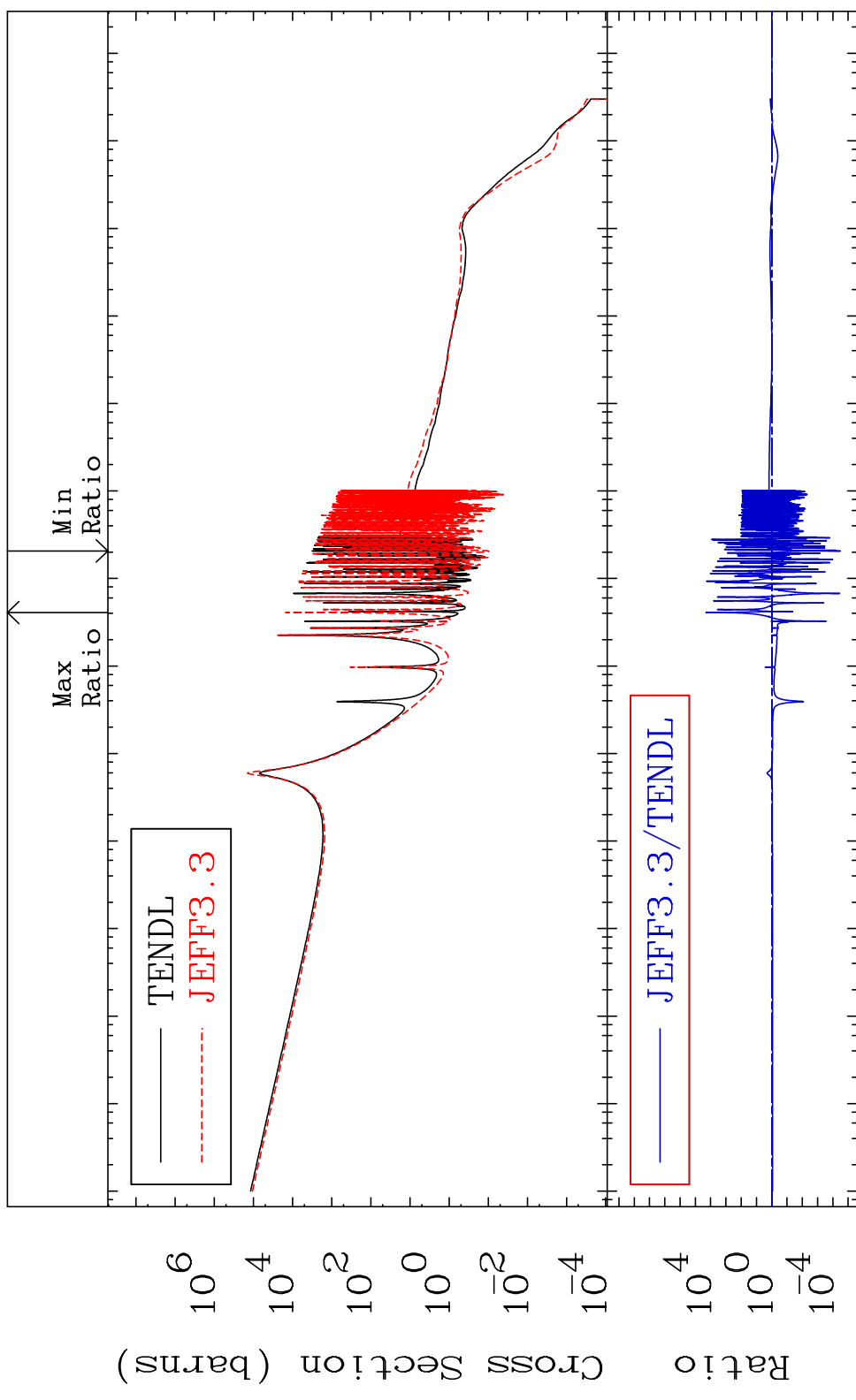


MAT 7025

70-Yb-168

(n,  $\gamma$ )

Cross Section -100.0 To 9999. %



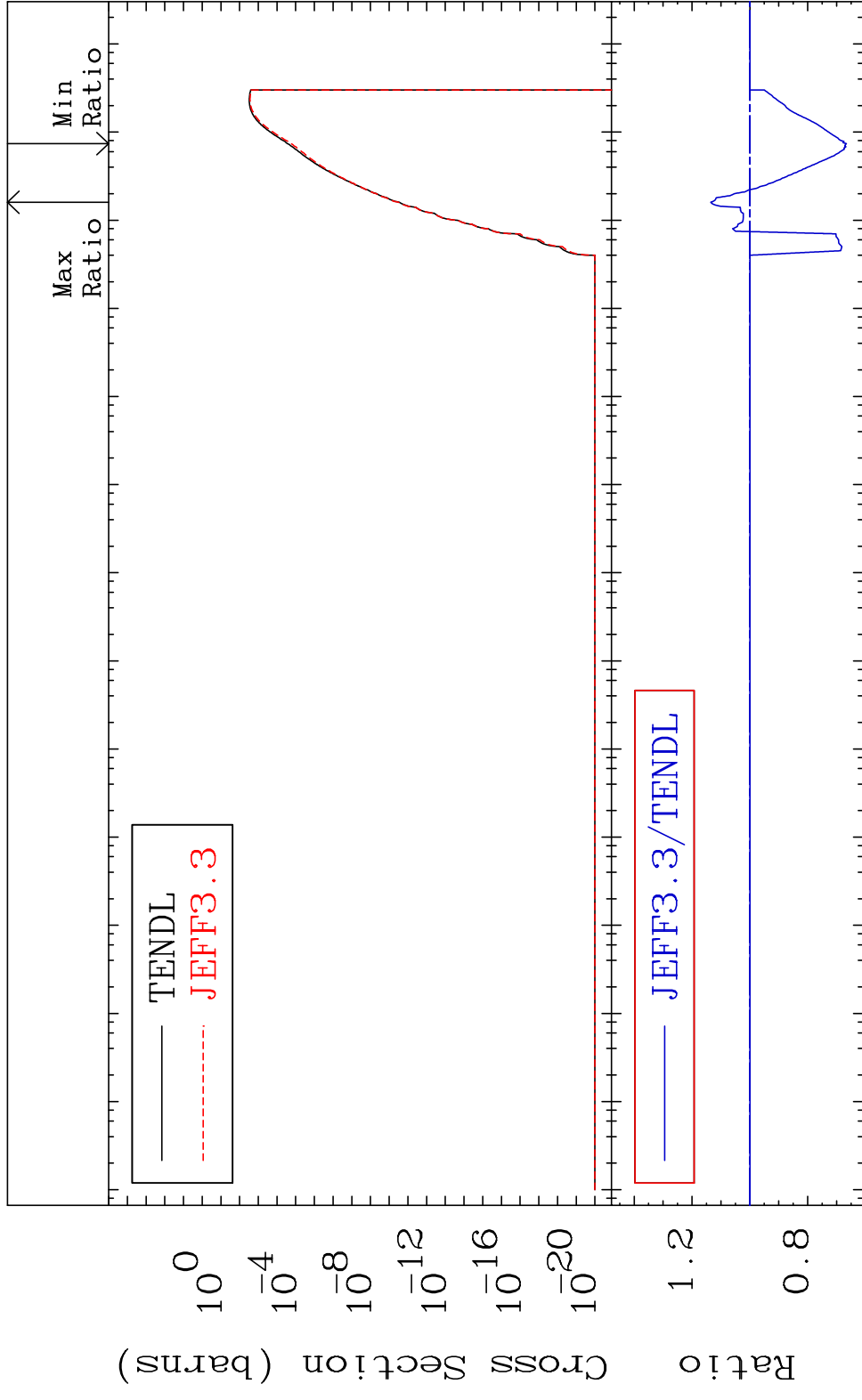
MAT 7025

(n, p)

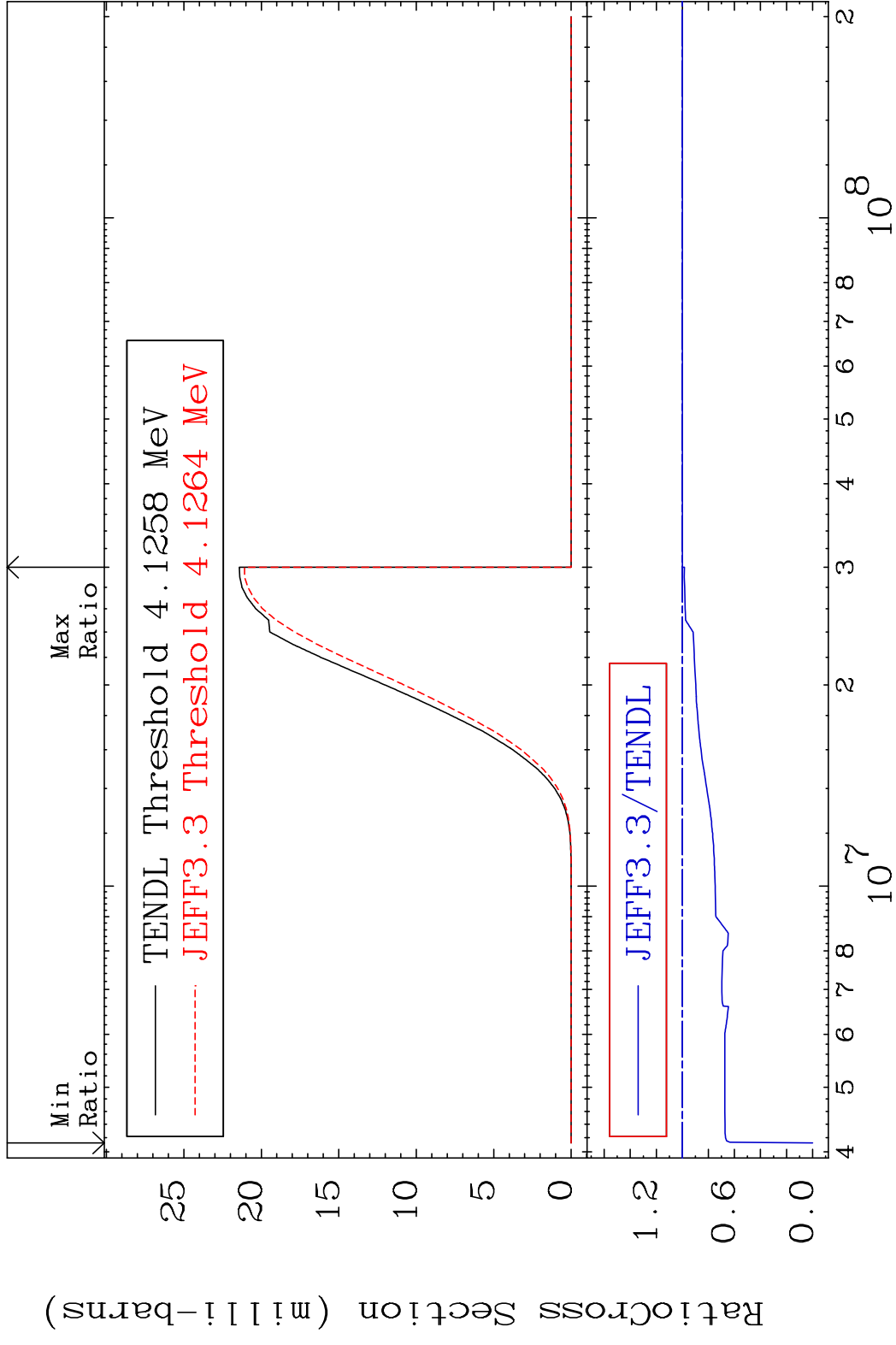
70-Yb-168

Cross Section

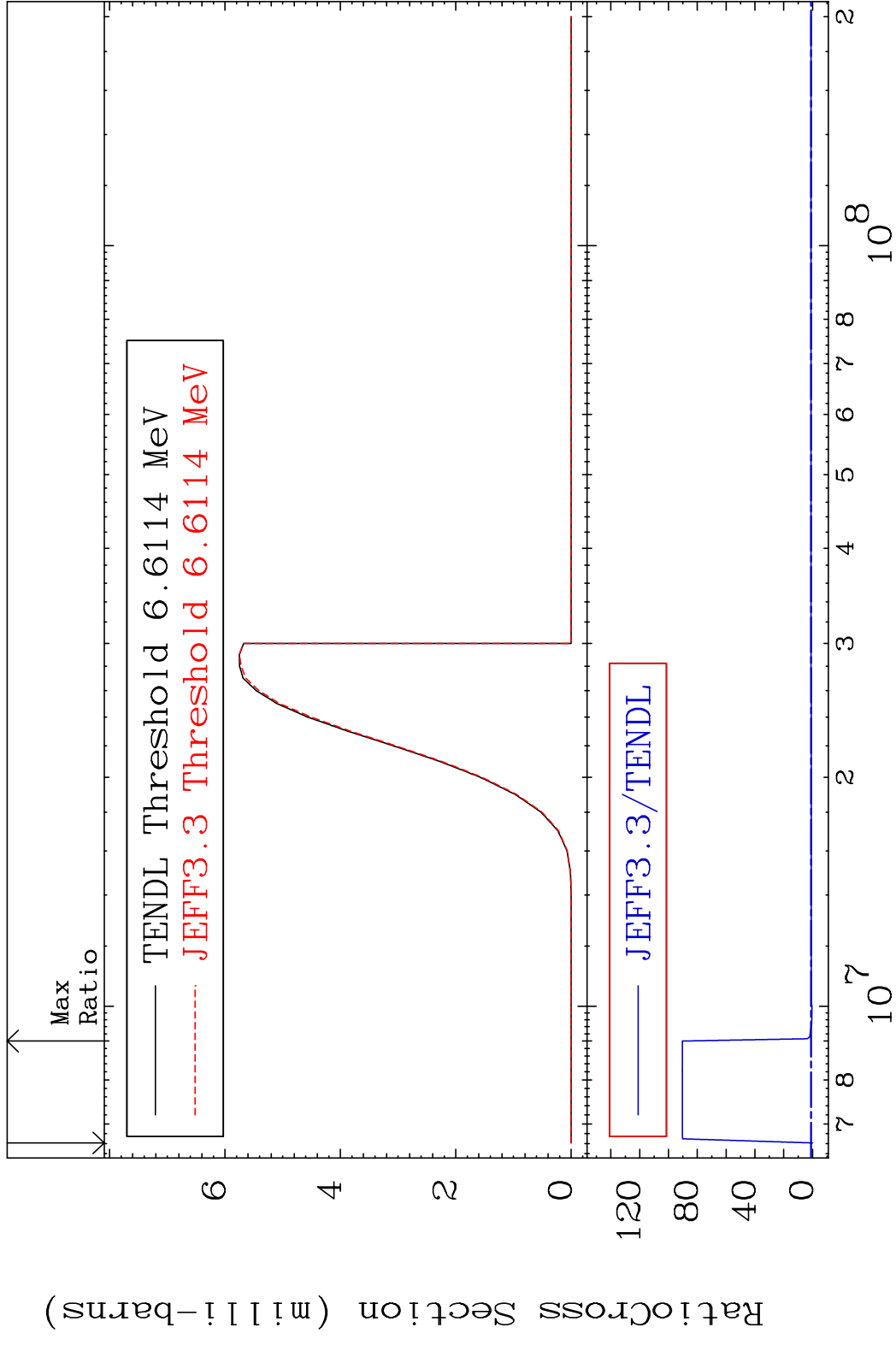
-33.38 To 13.53 %



MAT 7025 (n,d) 70-Yb-168  
 Cross Section -100.0 To 0.000 %

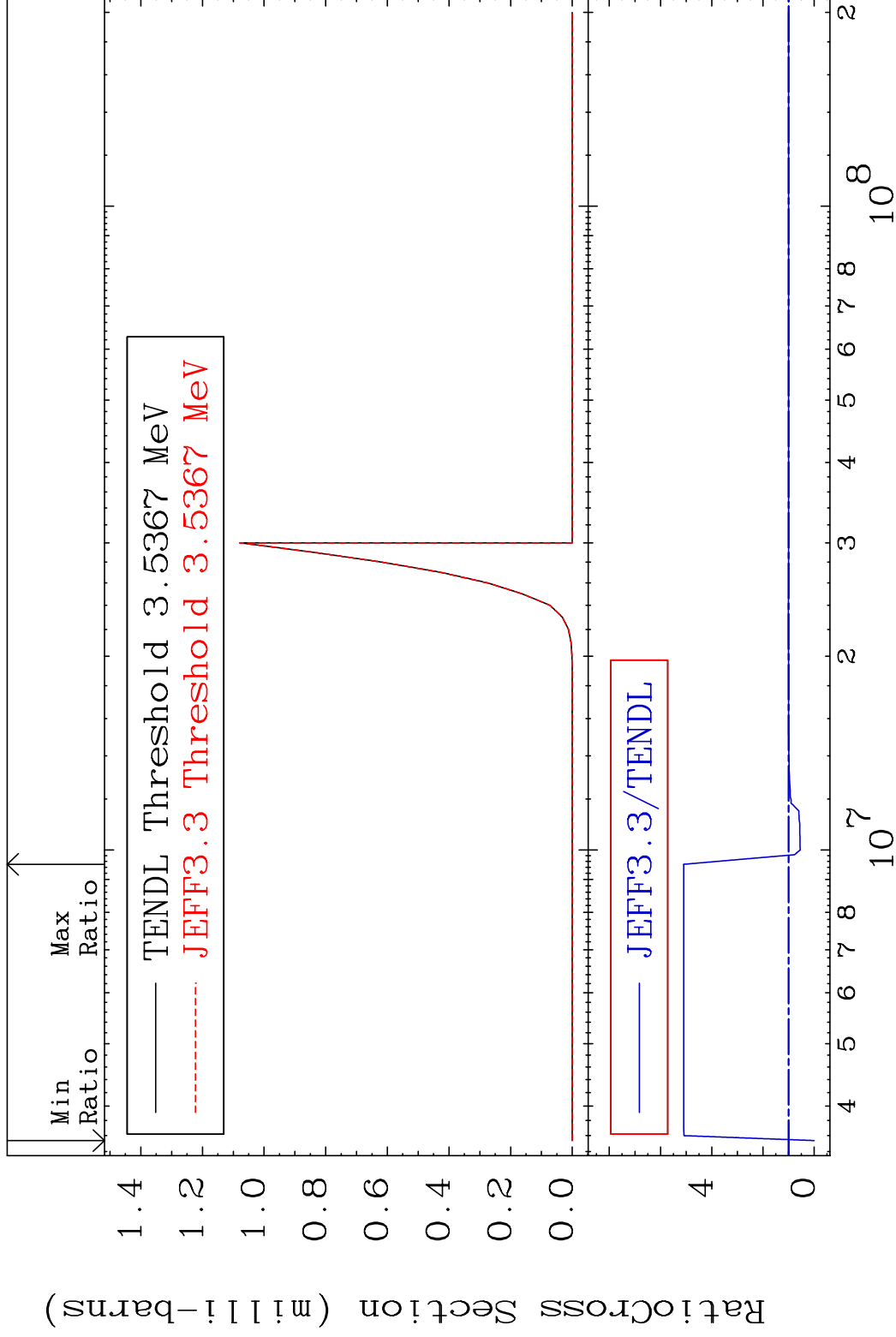


MAT 7025 (n, t) 70-Yb-168  
 Cross Section -100.0 To 8938. %





Cross Section -100.0 To 409.6 %

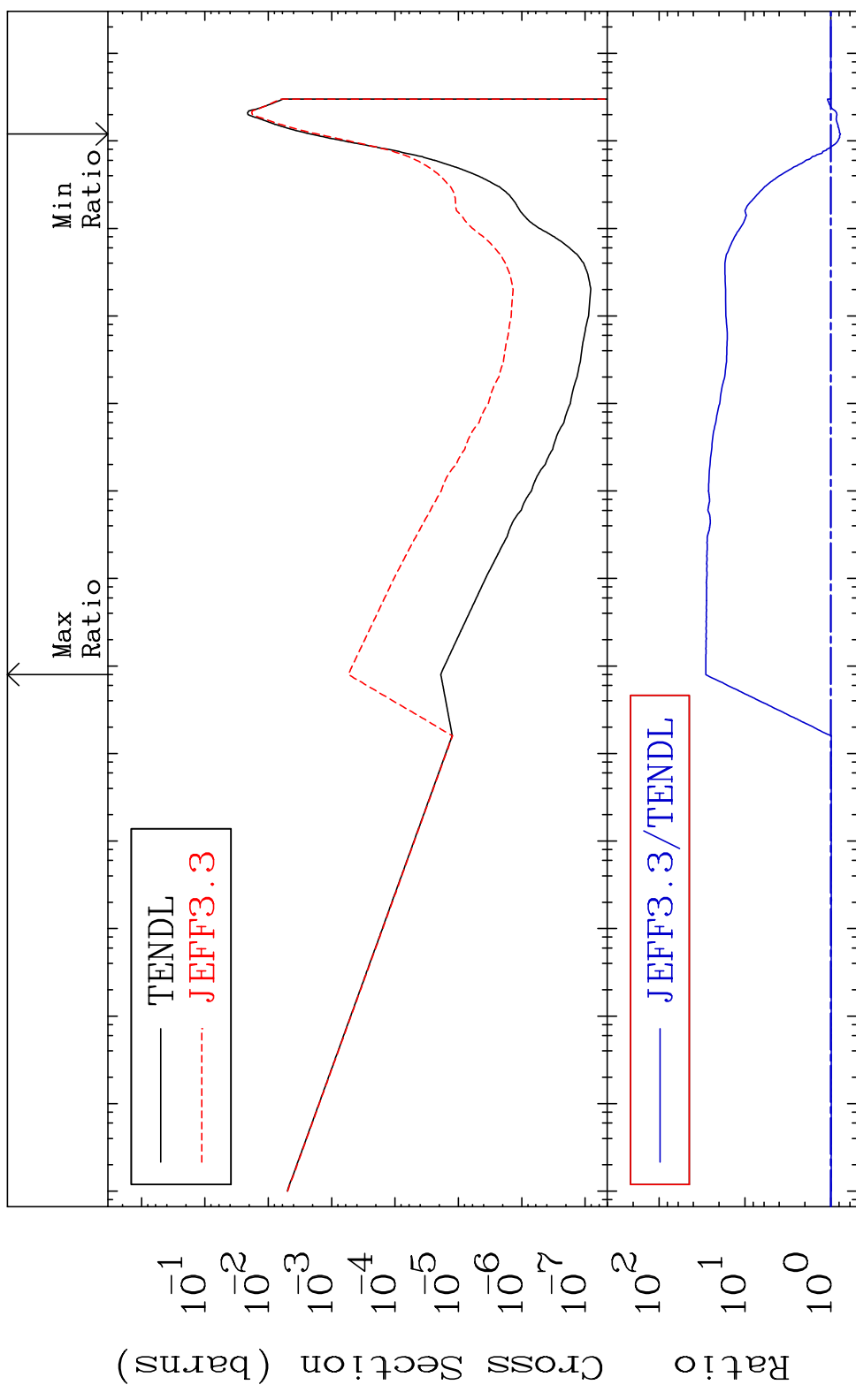


MAT 7025

(n,  $\alpha$ )

70-Yb-168

Cross Section -22.79 To 2757. %

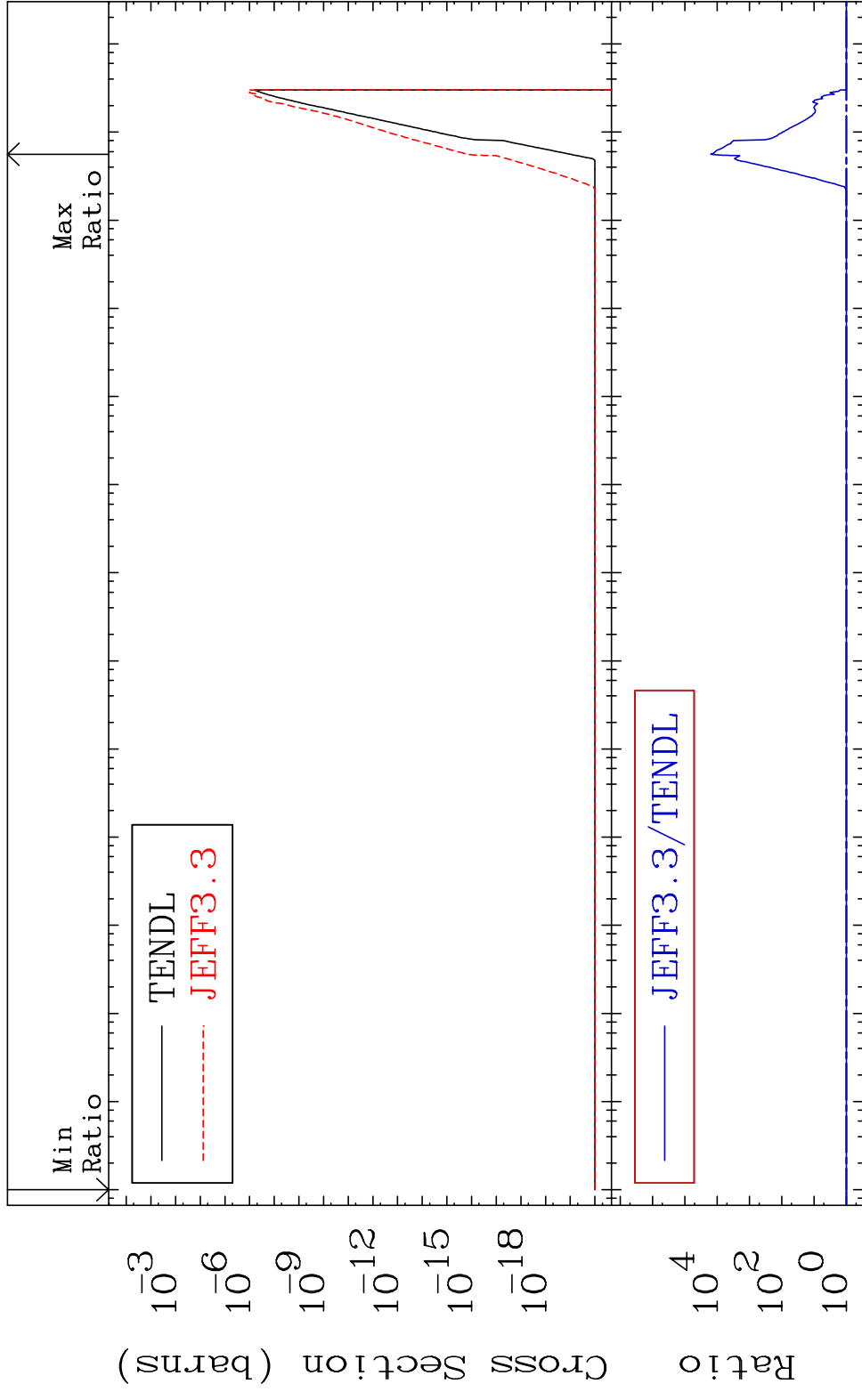


MAT 7025

(n, 2α)

70-Yb-168

Cross Section 0.000 To 9999. %



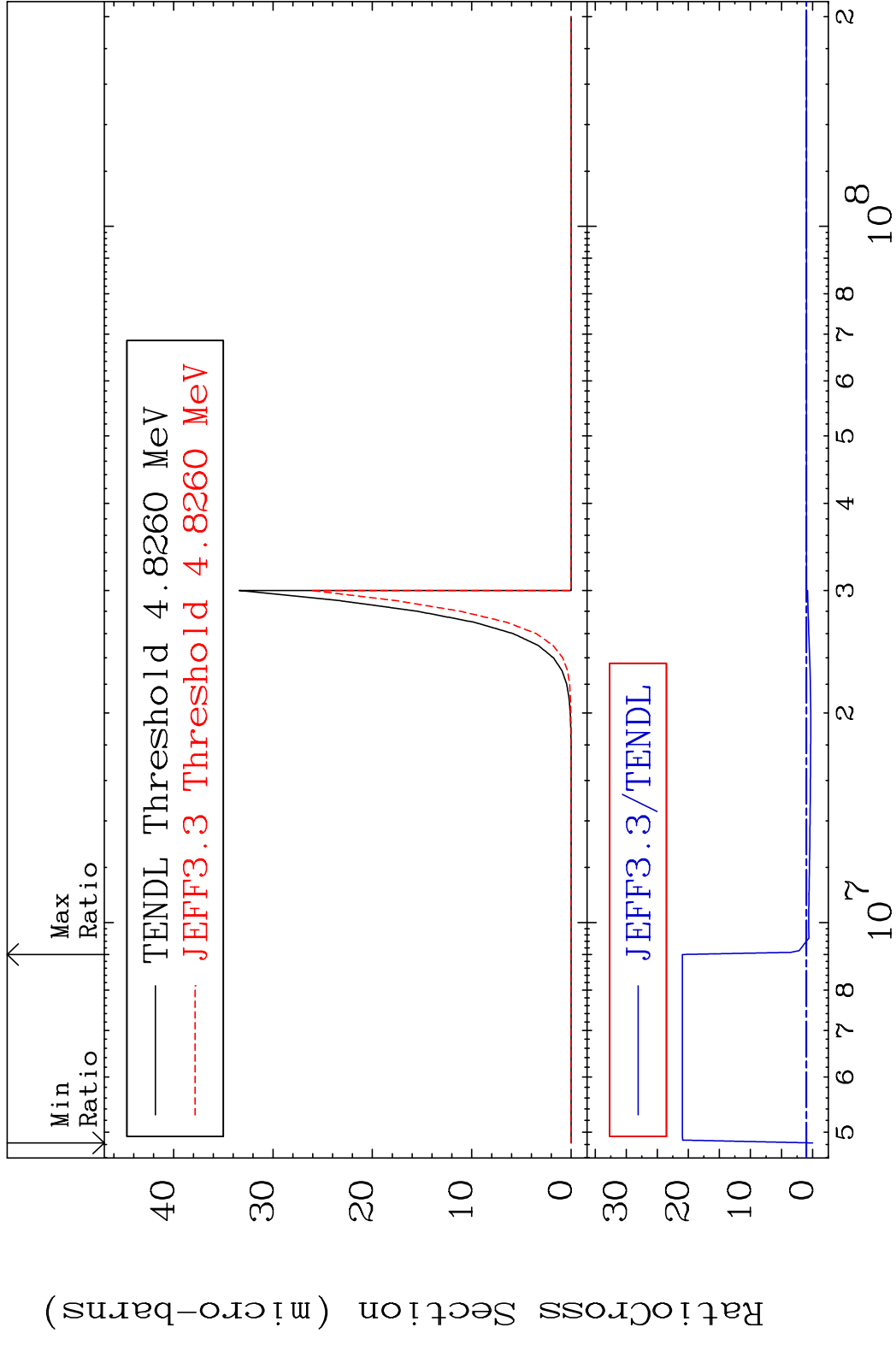
Min Ratio

Max Ratio

TENDL  
JEFF3.3

JEFF3.3/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>

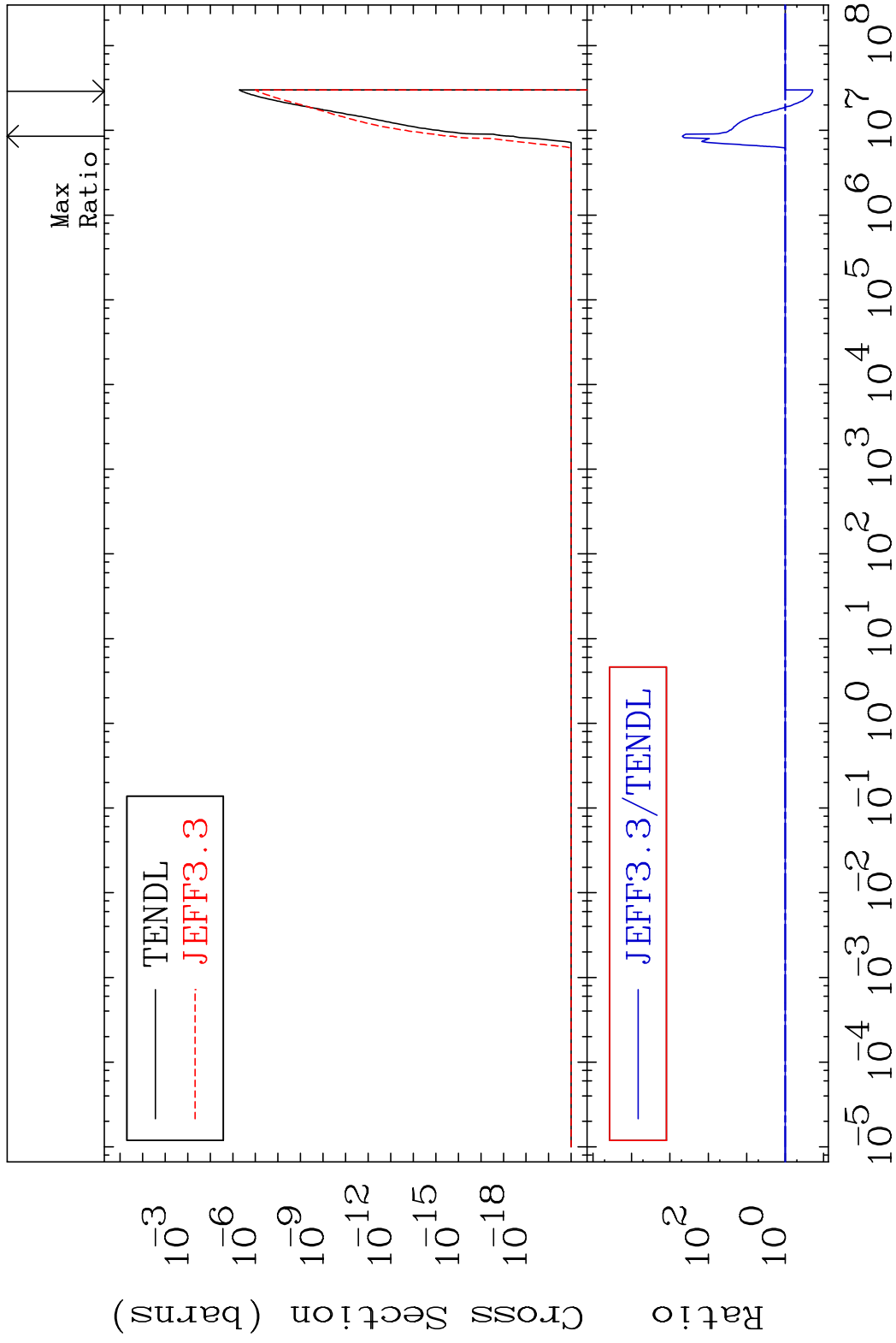


MAT 7025

(n,p)  $\alpha$

70-Yb-168

Cross Section -80.58 To 9999. %

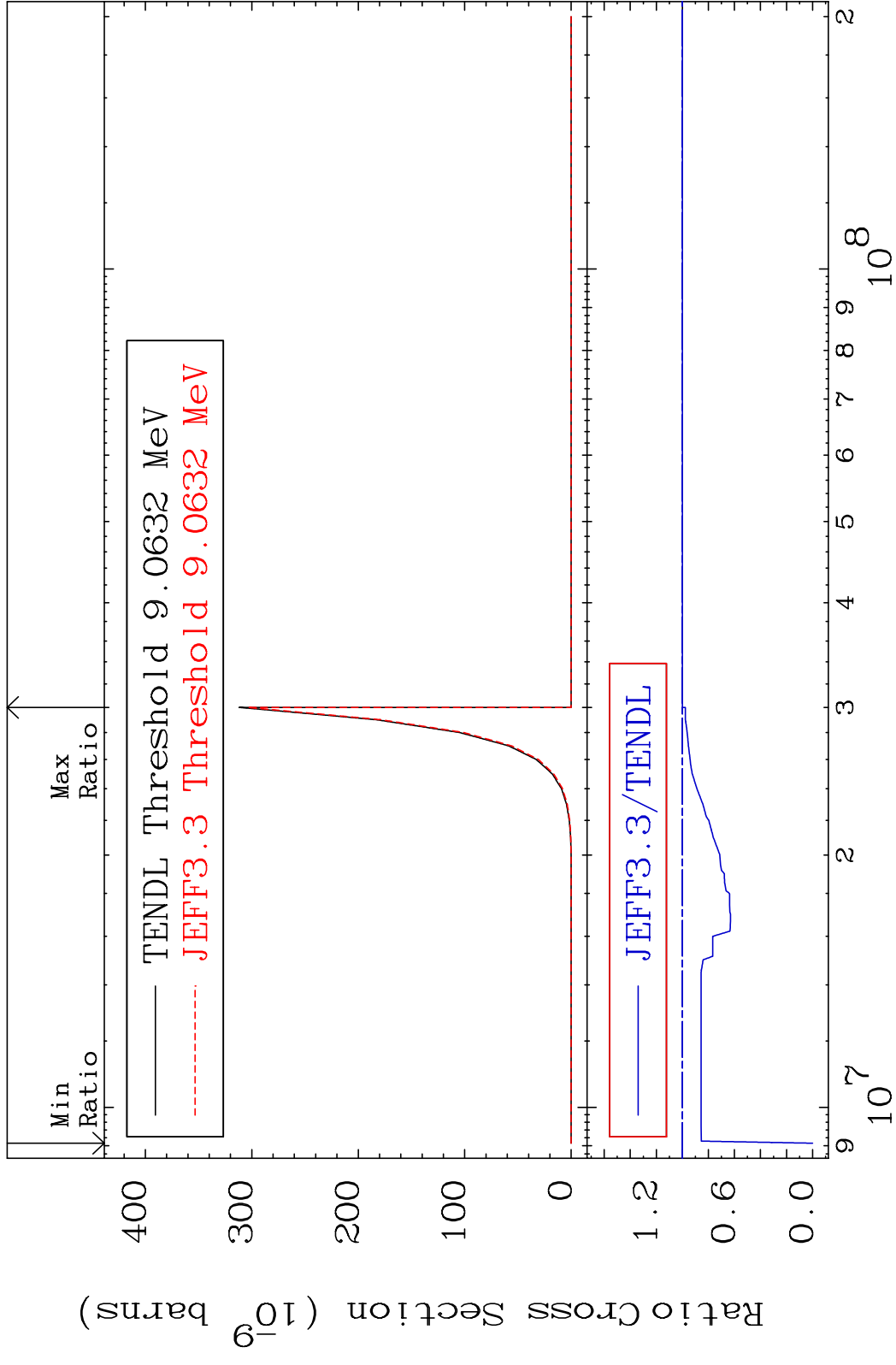


60

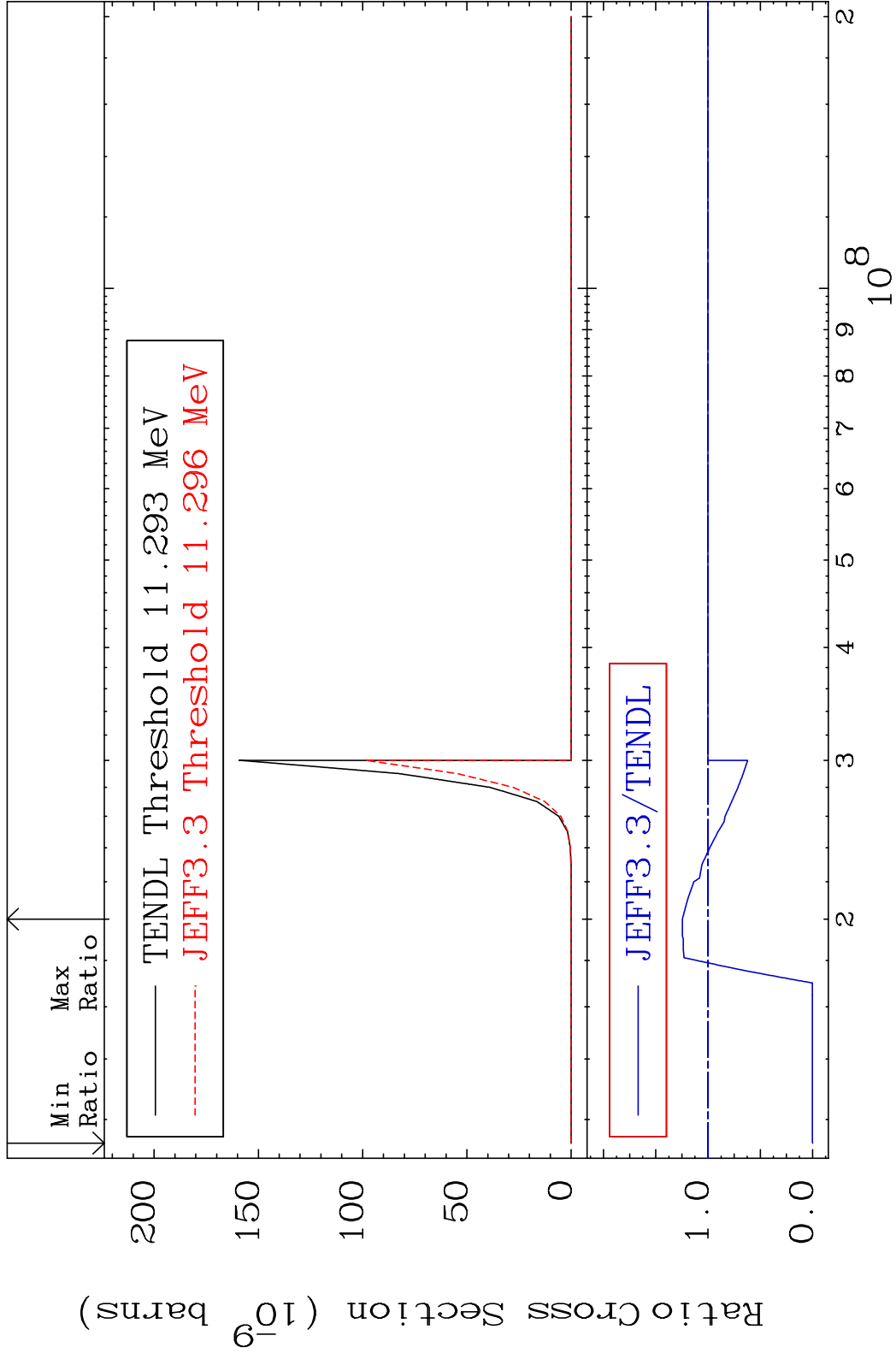
Incident Energy (eV)

70-Yb-168

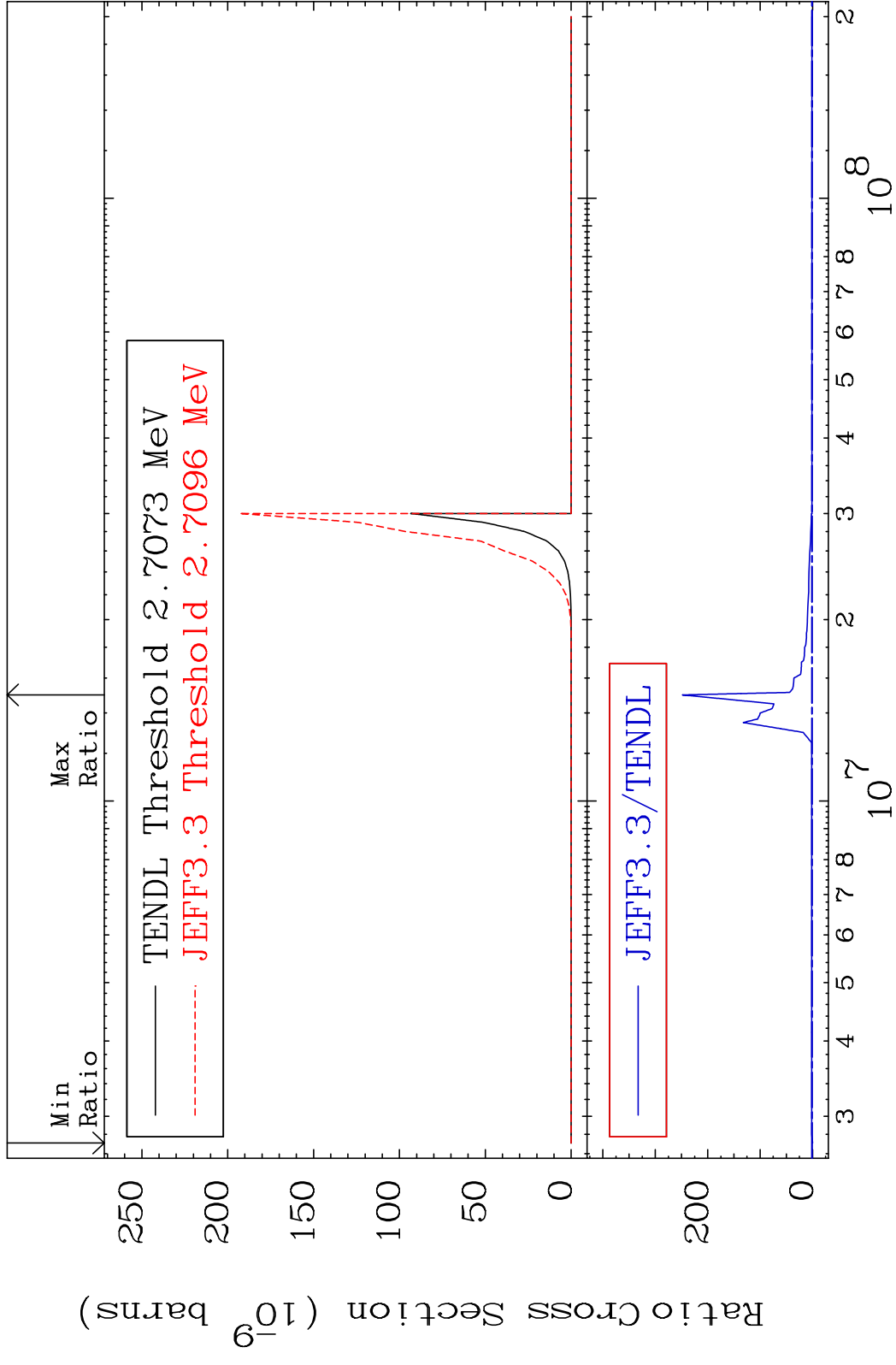
MAT 7025 (n,p) d 70-Yb-168  
 Cross Section -100.0 To 0.000 %



MAT 7025 (n,p) t 70-Yb-168  
 Cross Section -100.0 To 24.58 %



MAT 7025 (n,d)  $\alpha$  70-Yb-168  
 Cross Section -100.0 To 9999. %





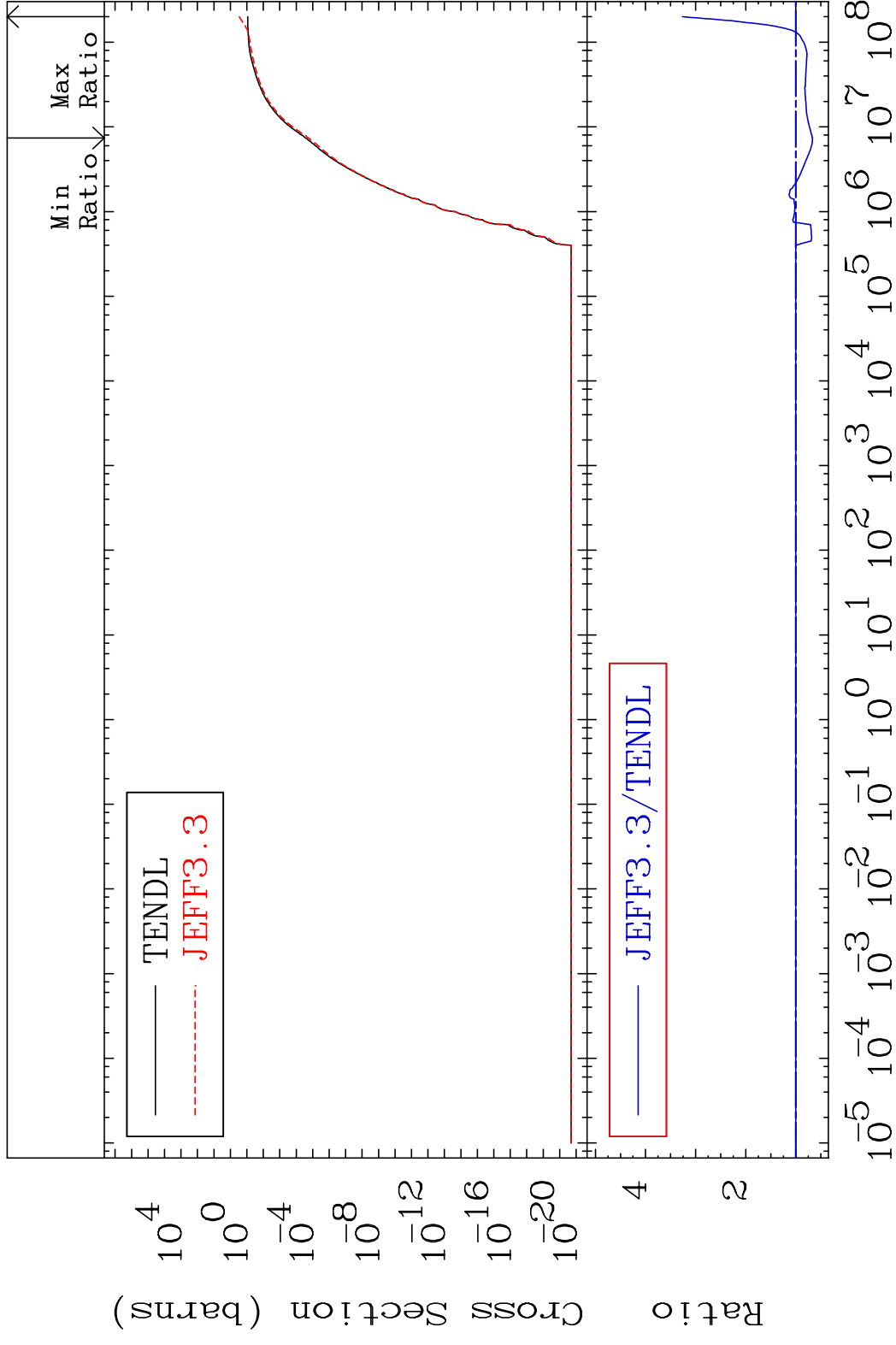
MAT 7025

Hydrogen Production

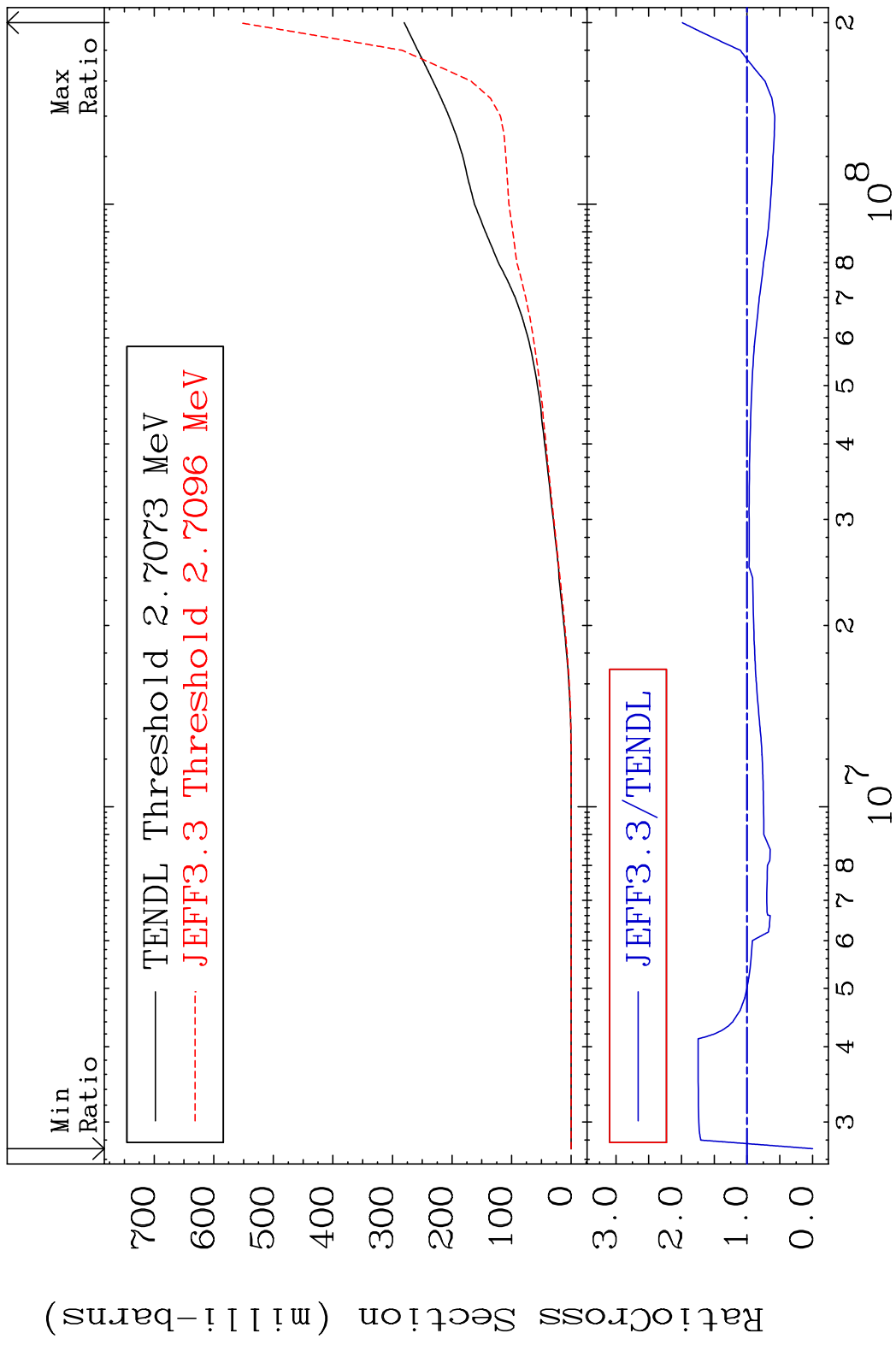
70-Yb-168

Cross Section

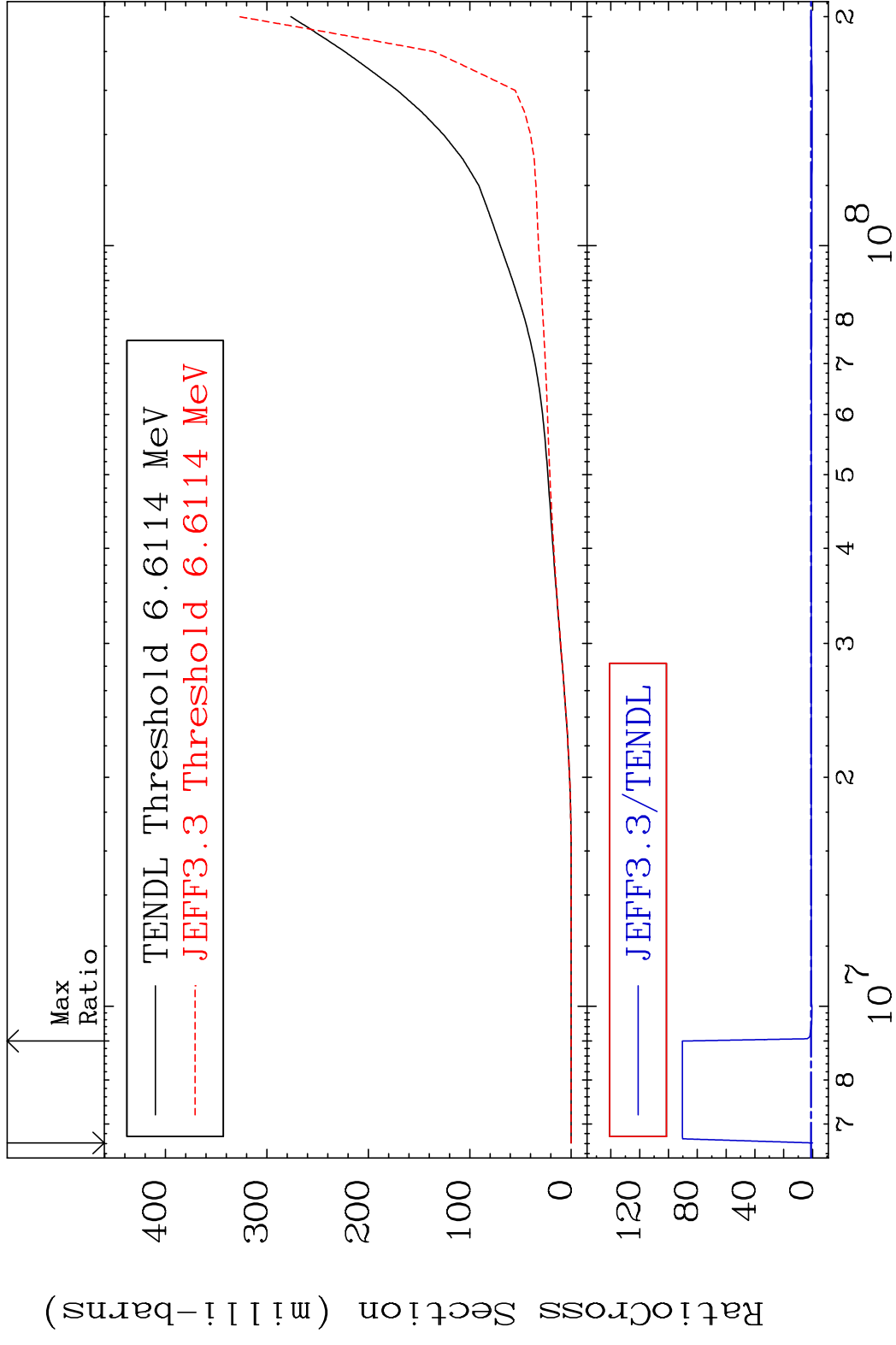
-33.38 To 226.5 %



MAT 7025 Deuterium Production 70-Yb-168  
 Cross Section -100.0 To 98.70 %



MAT 7025 Tritium Production 70-Yb-168  
 Cross Section -100.0 To 8938. %

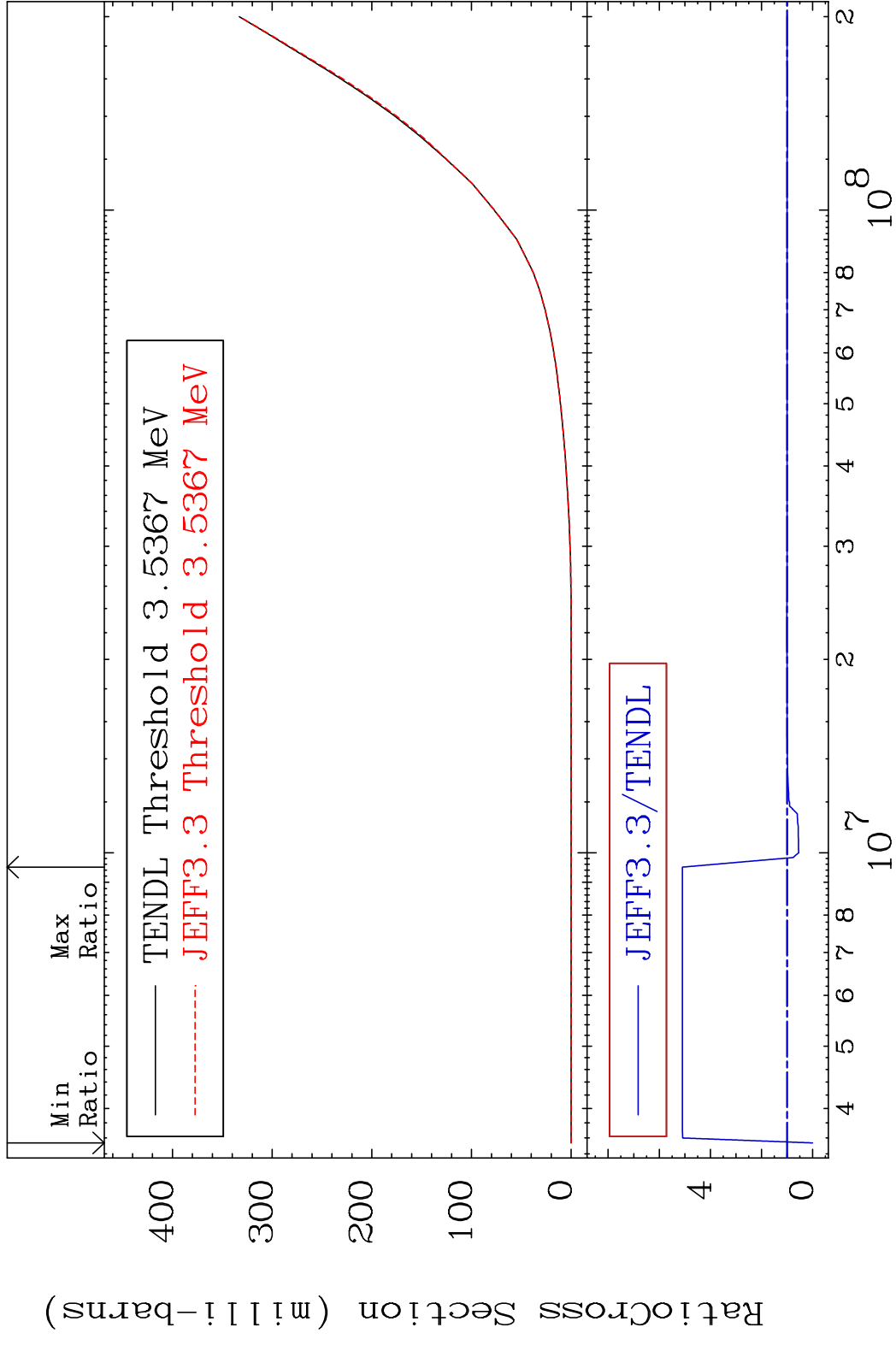


MAT 7025

He-3 Production

70-Yb-168

Cross Section -100.0 To 409.6 %

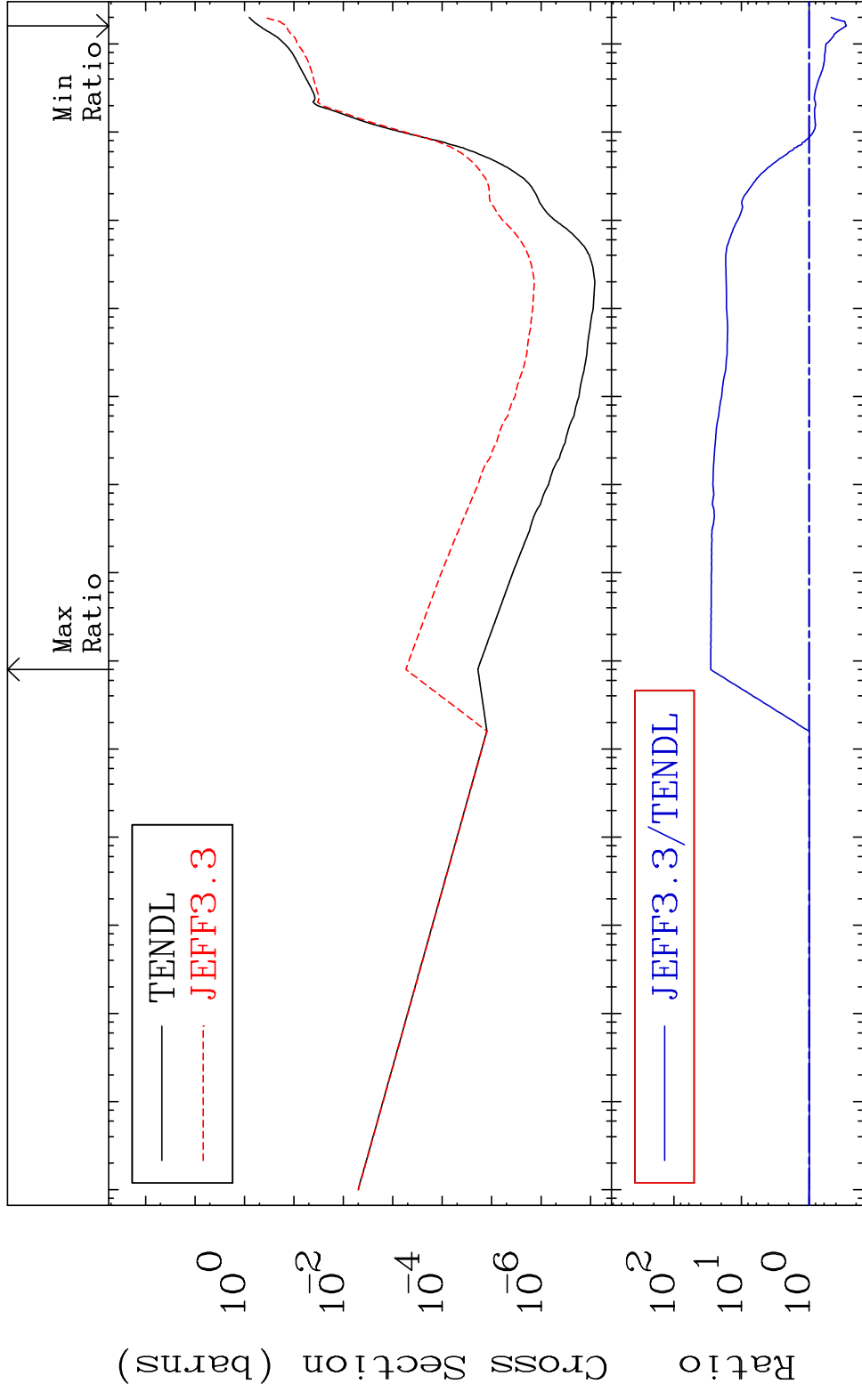


MAT 7025

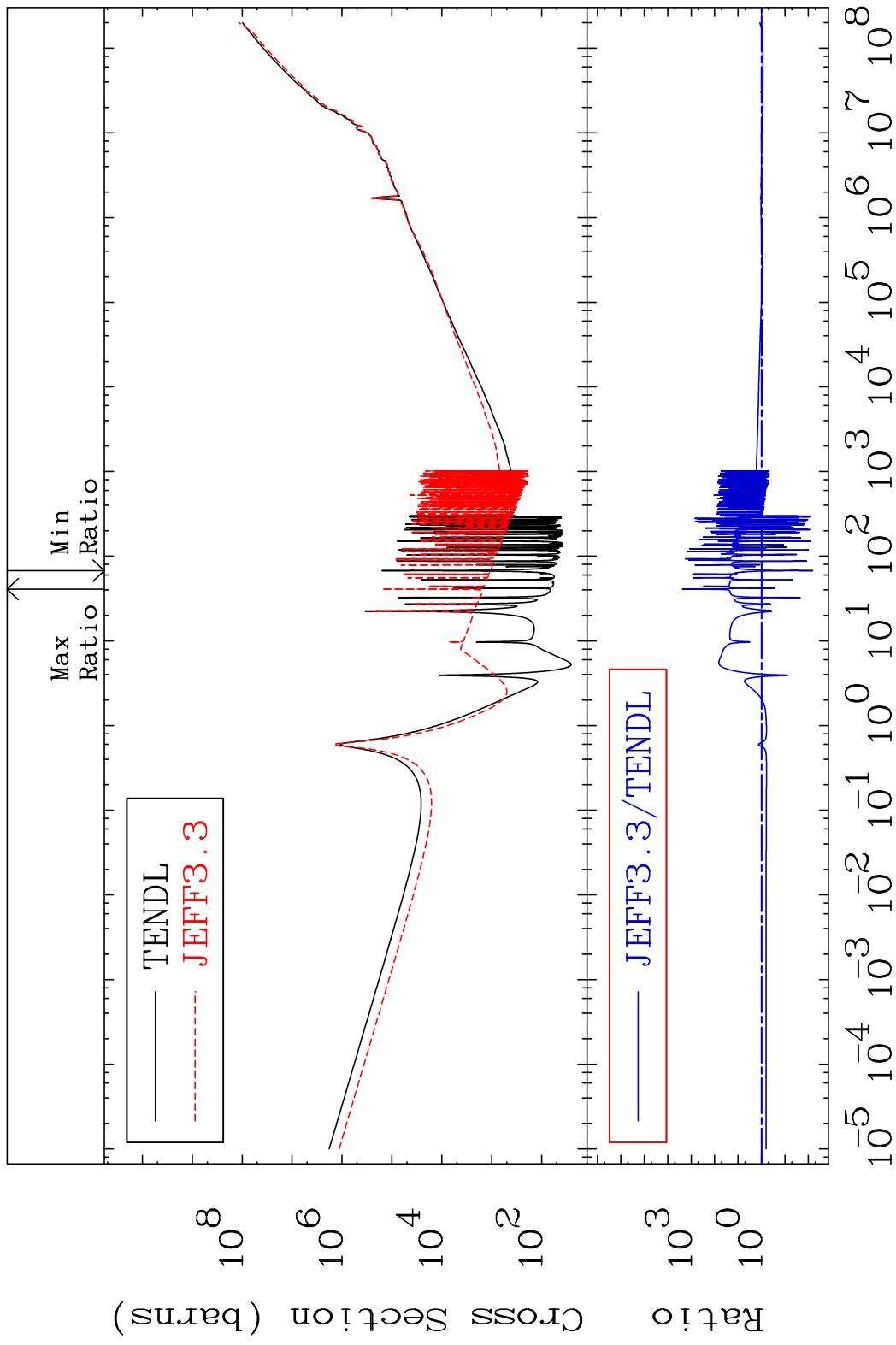
He-4 Production

70-Yb-168

Cross Section -72.02 To 2757. %

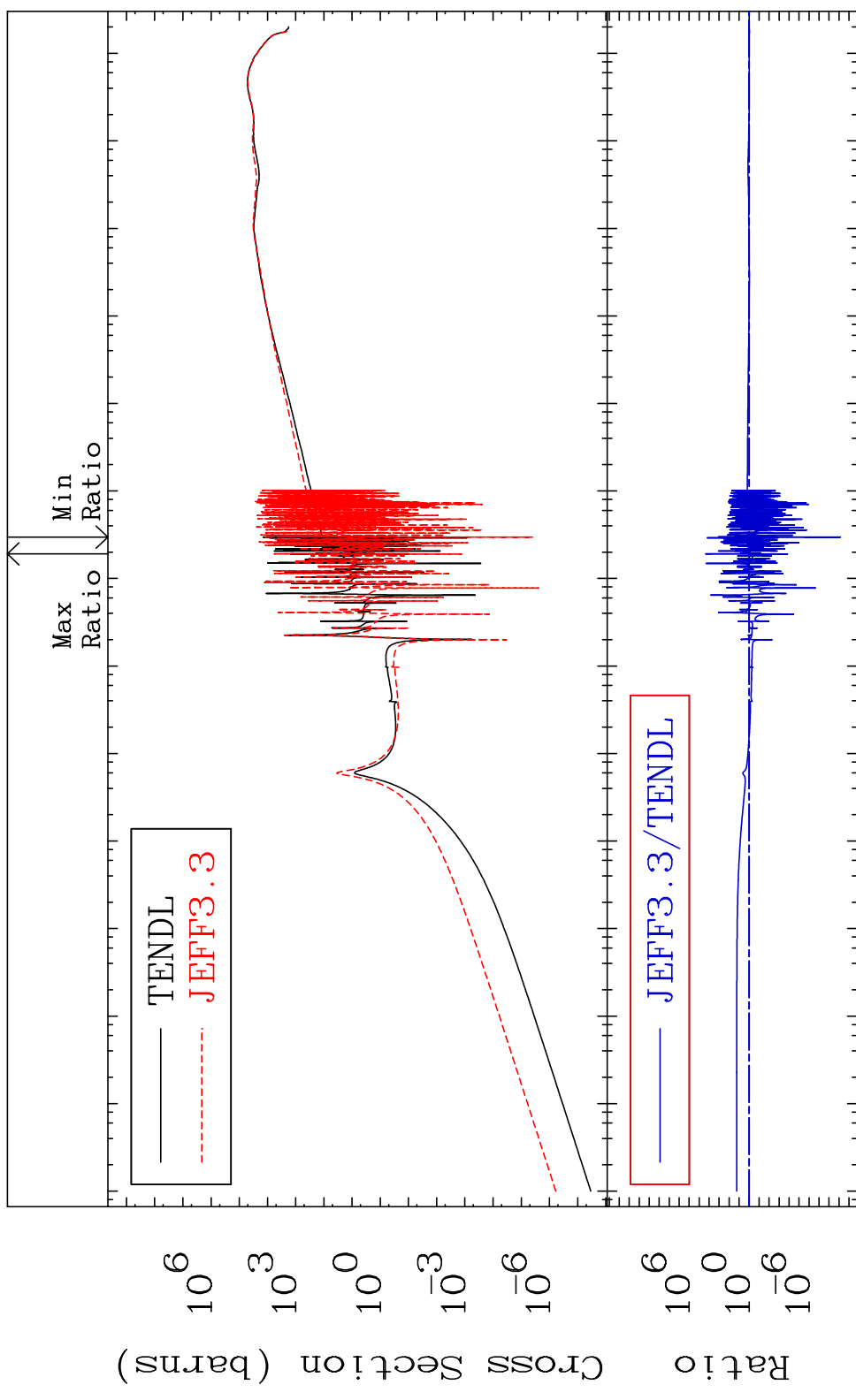


MAT 7025 Kerma total (eV-barns) 70-Yb-168  
 Cross Section -99.34 To 9999. %



MAT 7025

Kerma elastic Cross Section -100.0 To 9999. %  
70-Yb-168

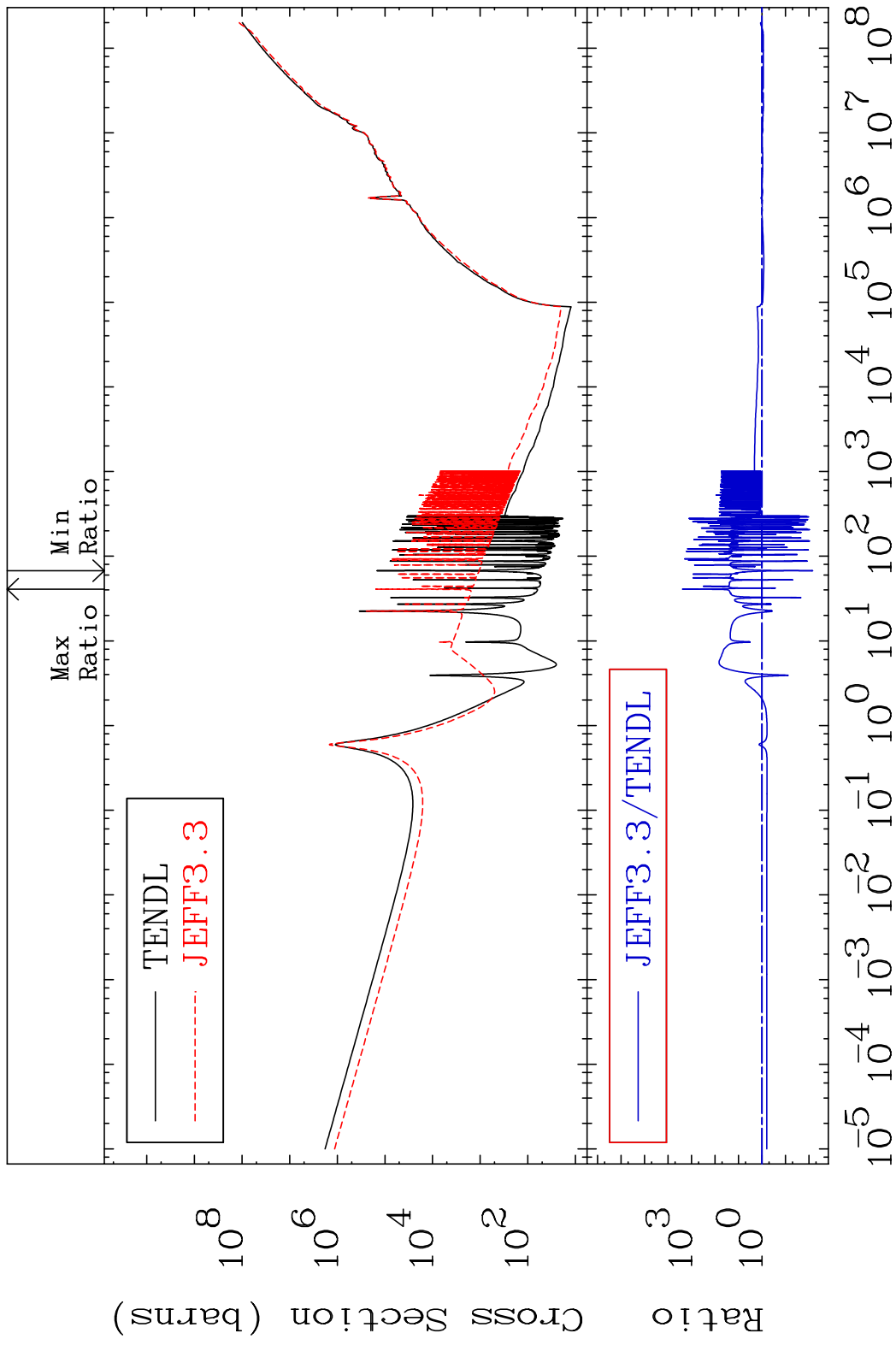


70

Incident Energy (eV)

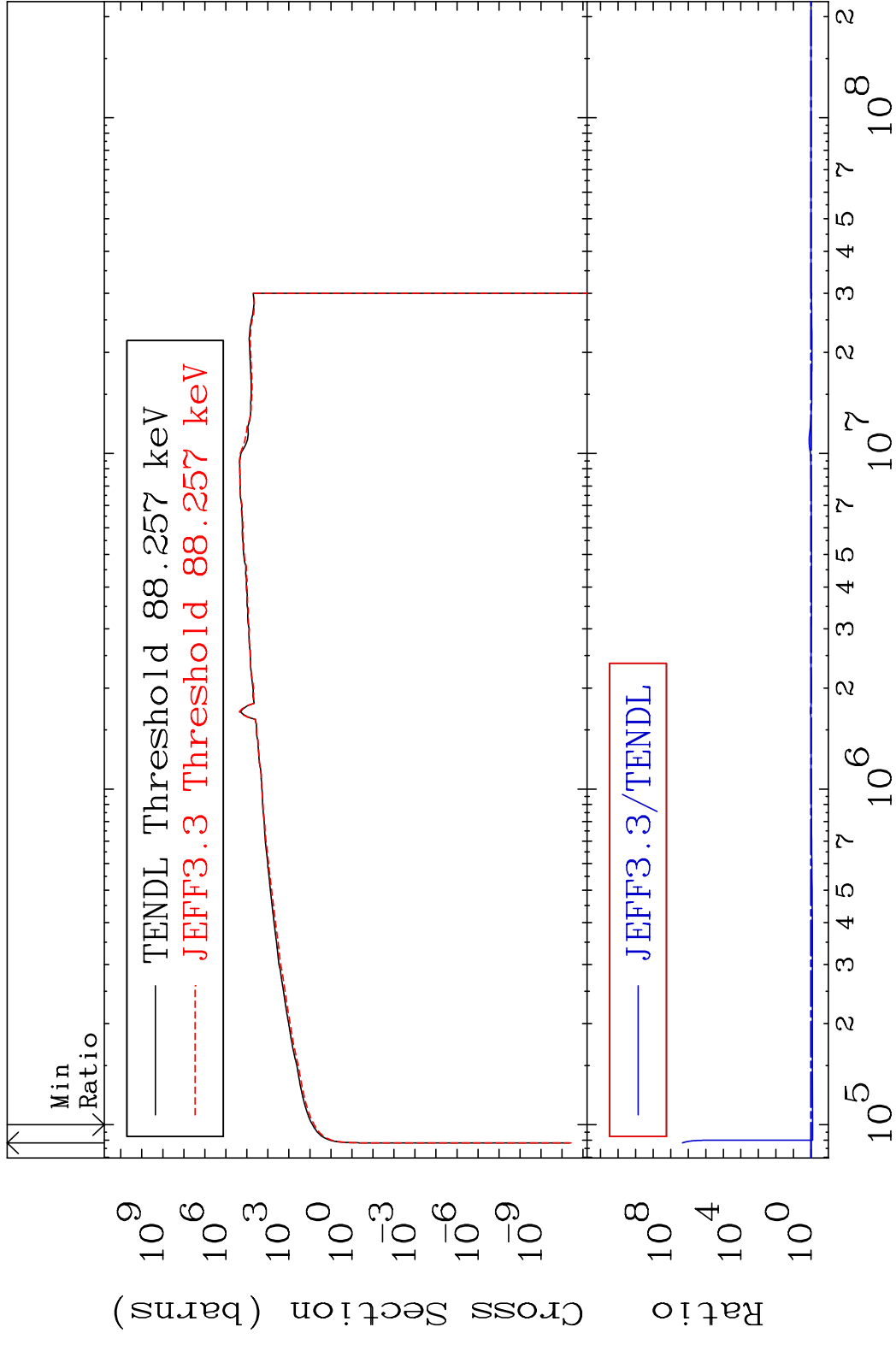
70-Yb-168

MAT 7025 Kerma non-elastic (all but mt2) 70-Yb-168  
 Cross Section -99.29 To 9999. %

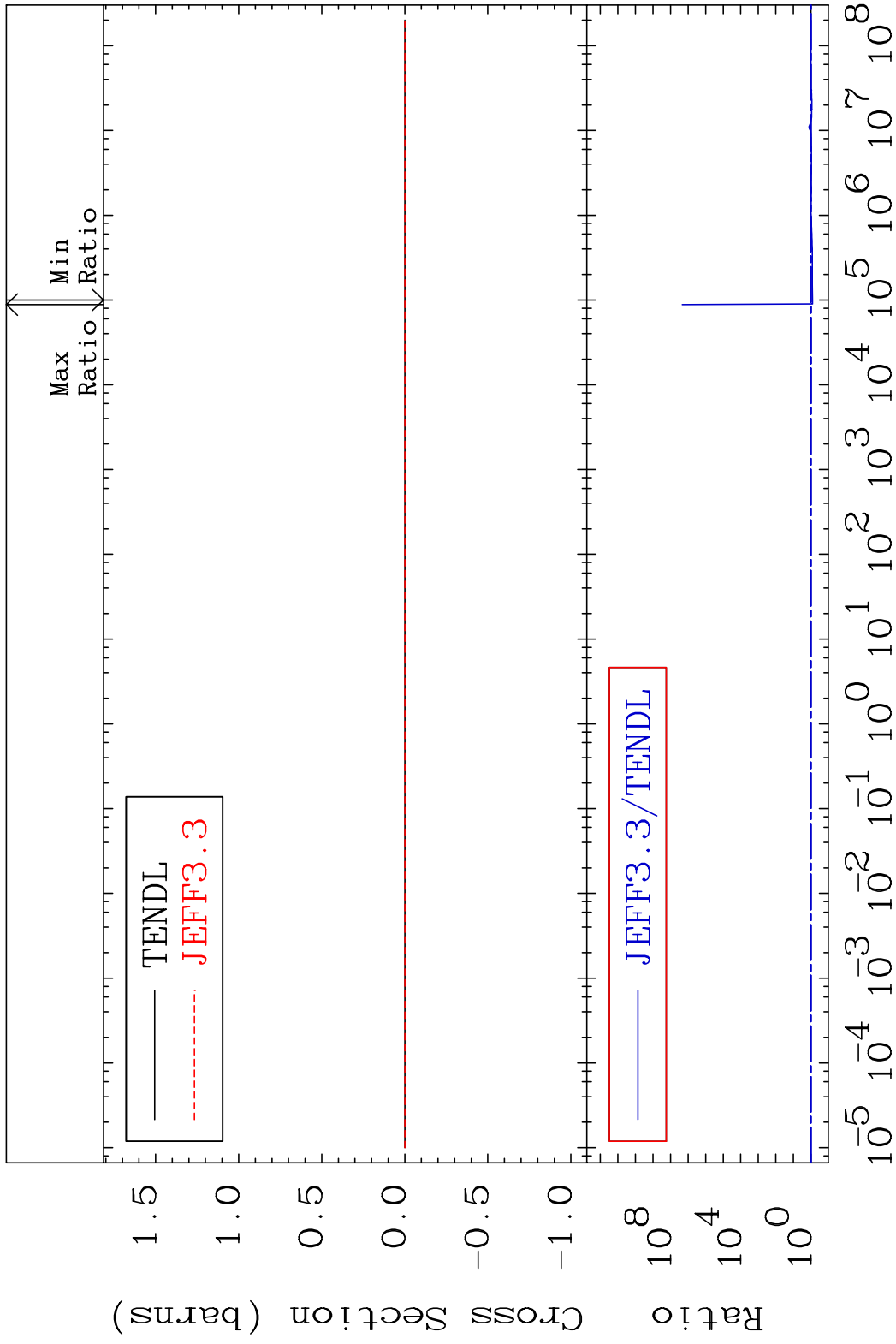




MAT 7025 Kerma inelastic (mt51-91) 70-Yb-168  
 Cross Section -17.47 To 9999. %



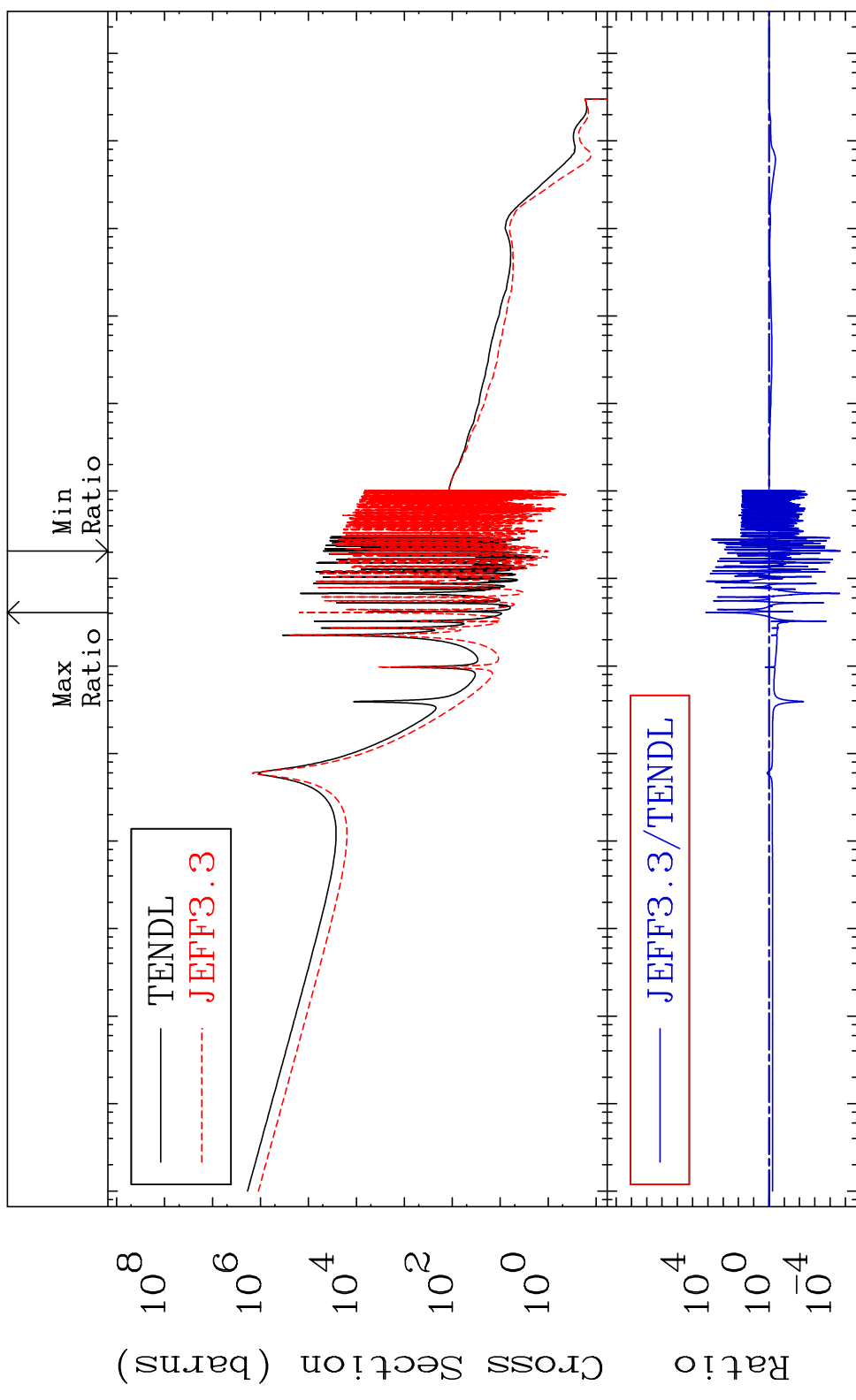
MAT 7025 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-168  
 Cross Section -17.47 To 9999. %



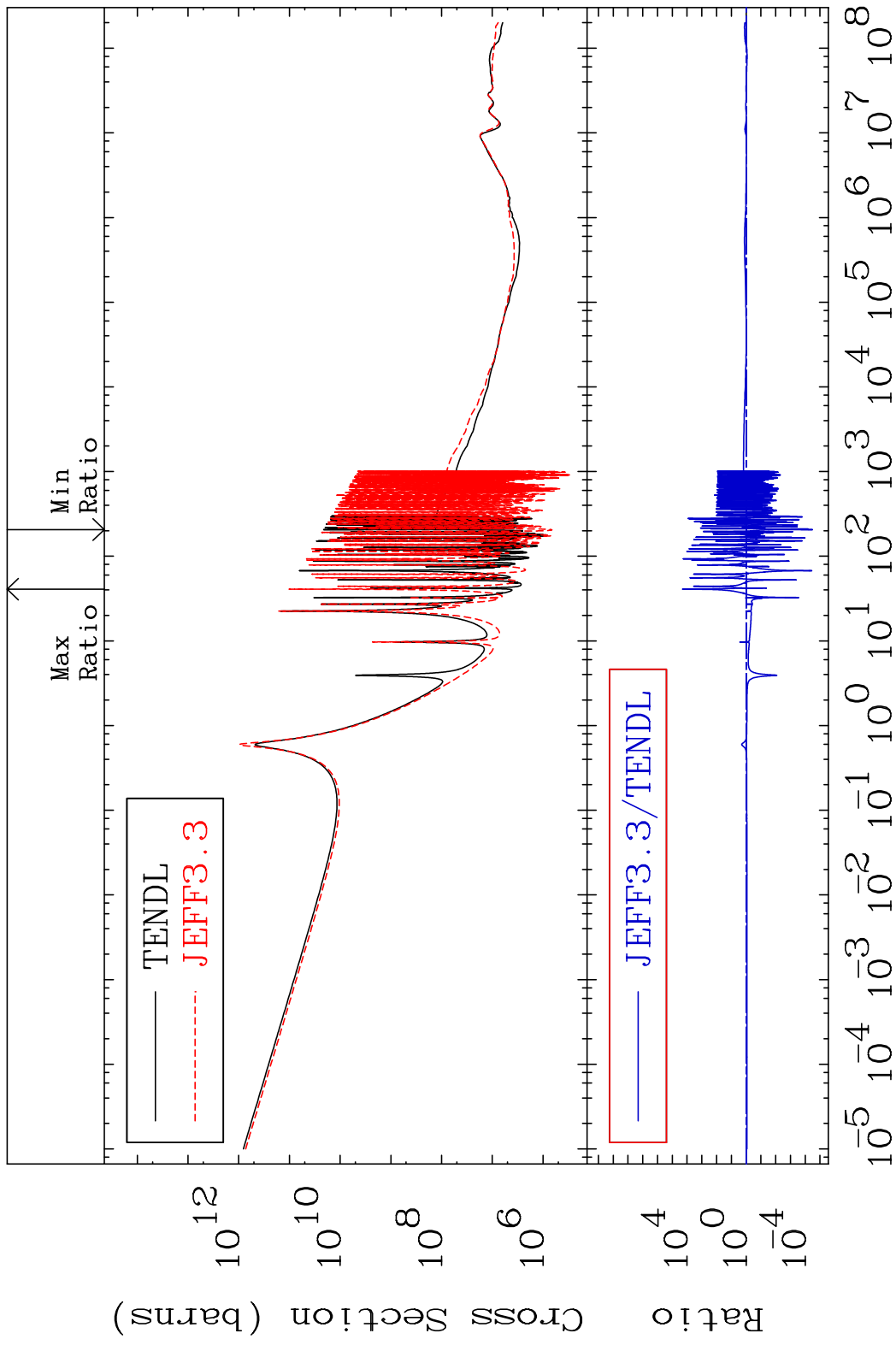
MAT 7025

Kerma capture (mt102) 70-Yb-168

Cross Section -100.0 To 9999. %

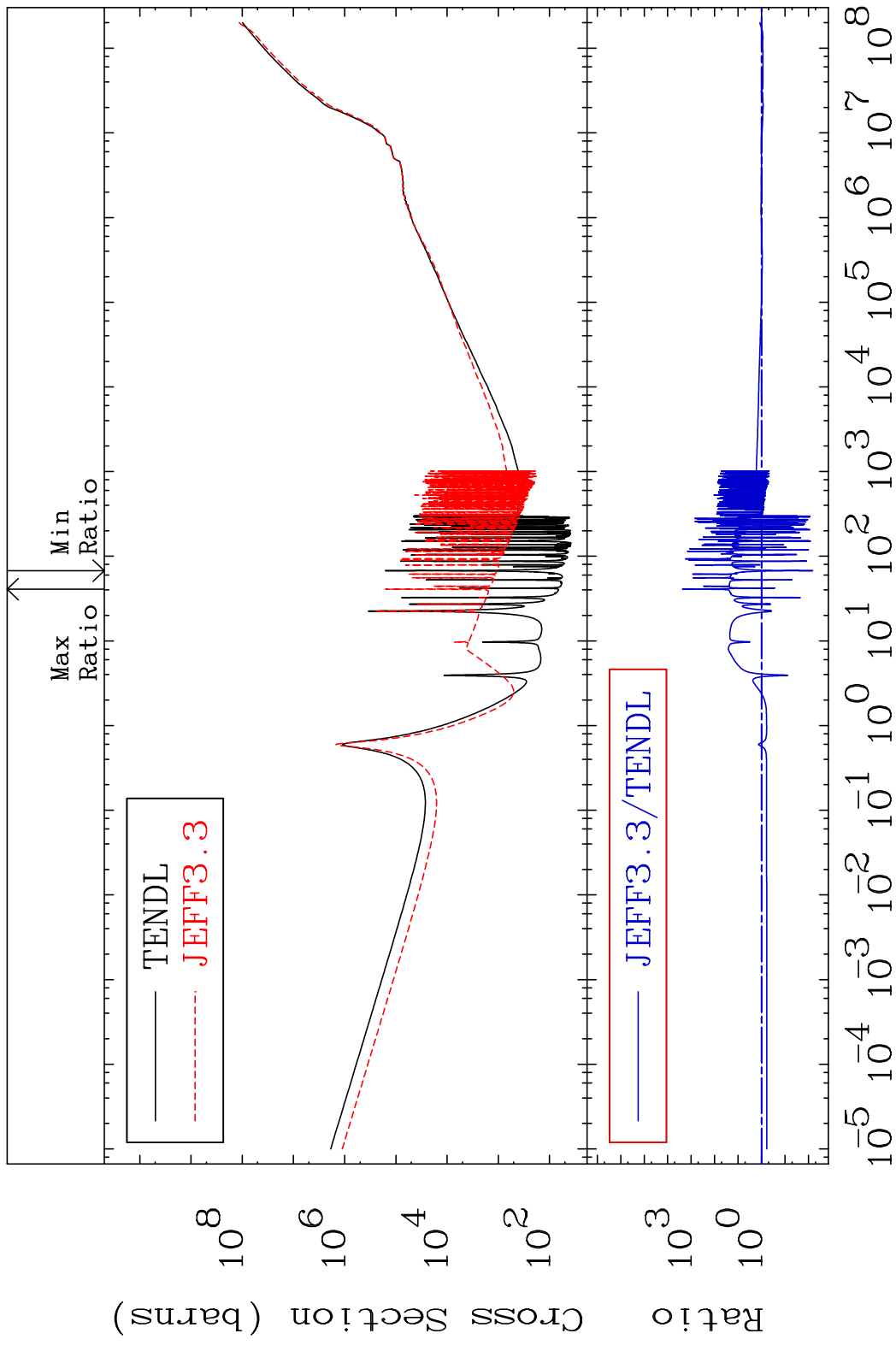


MAT 7025 Total photon (eV-barns) 70-Yb-168  
 Cross Section -100.0 To 9999. %

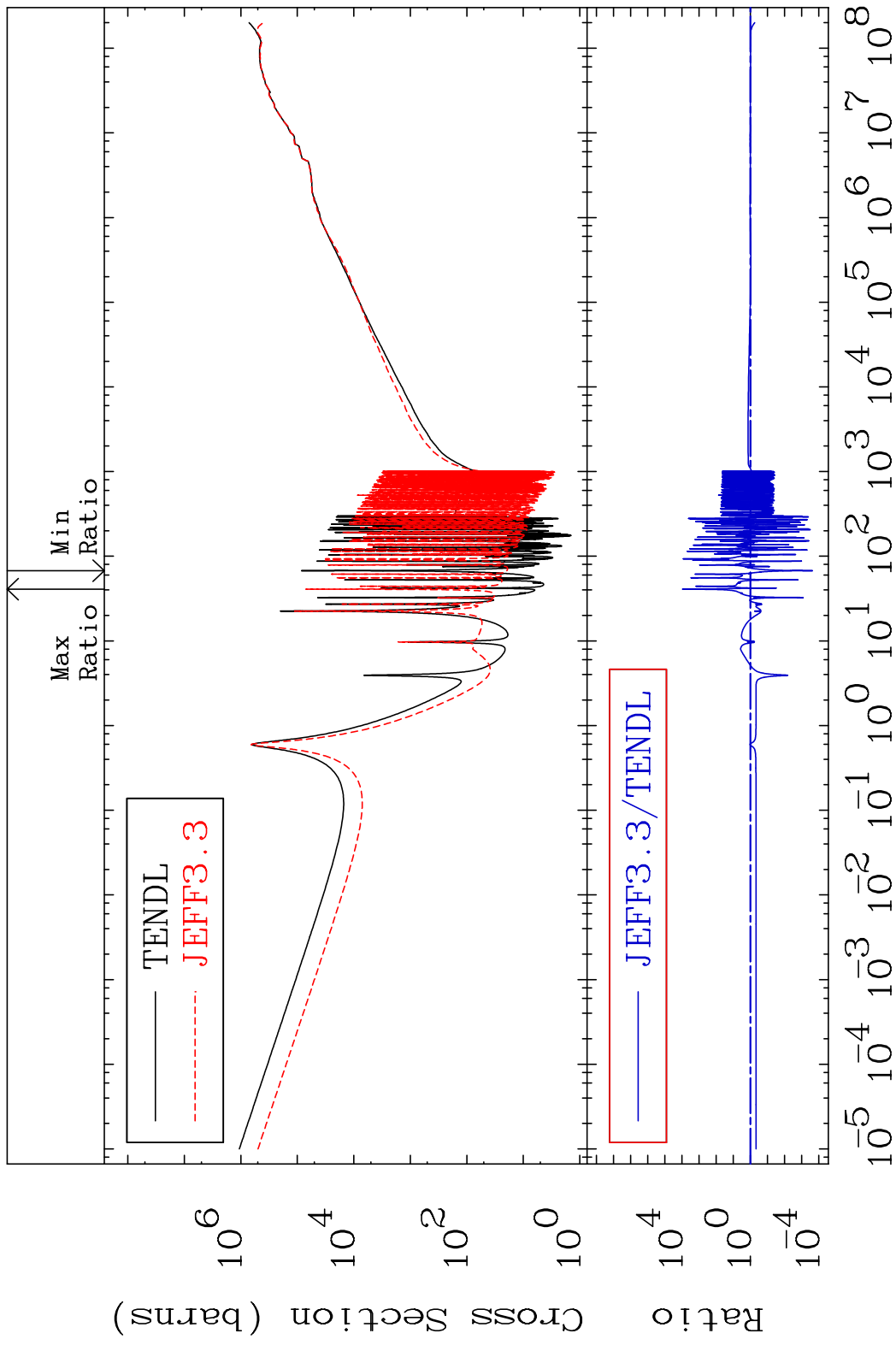


75 Incident Energy (eV) 70-Yb-168

MAT 7025 Total kinematic kerma (high limit) 70-Yb-168  
 Cross Section -99.33 To 9999. %



MAT 7025      Dpa total (eV-barns)      70-Yb-168  
 Cross Section      -99.98 To 9999. %



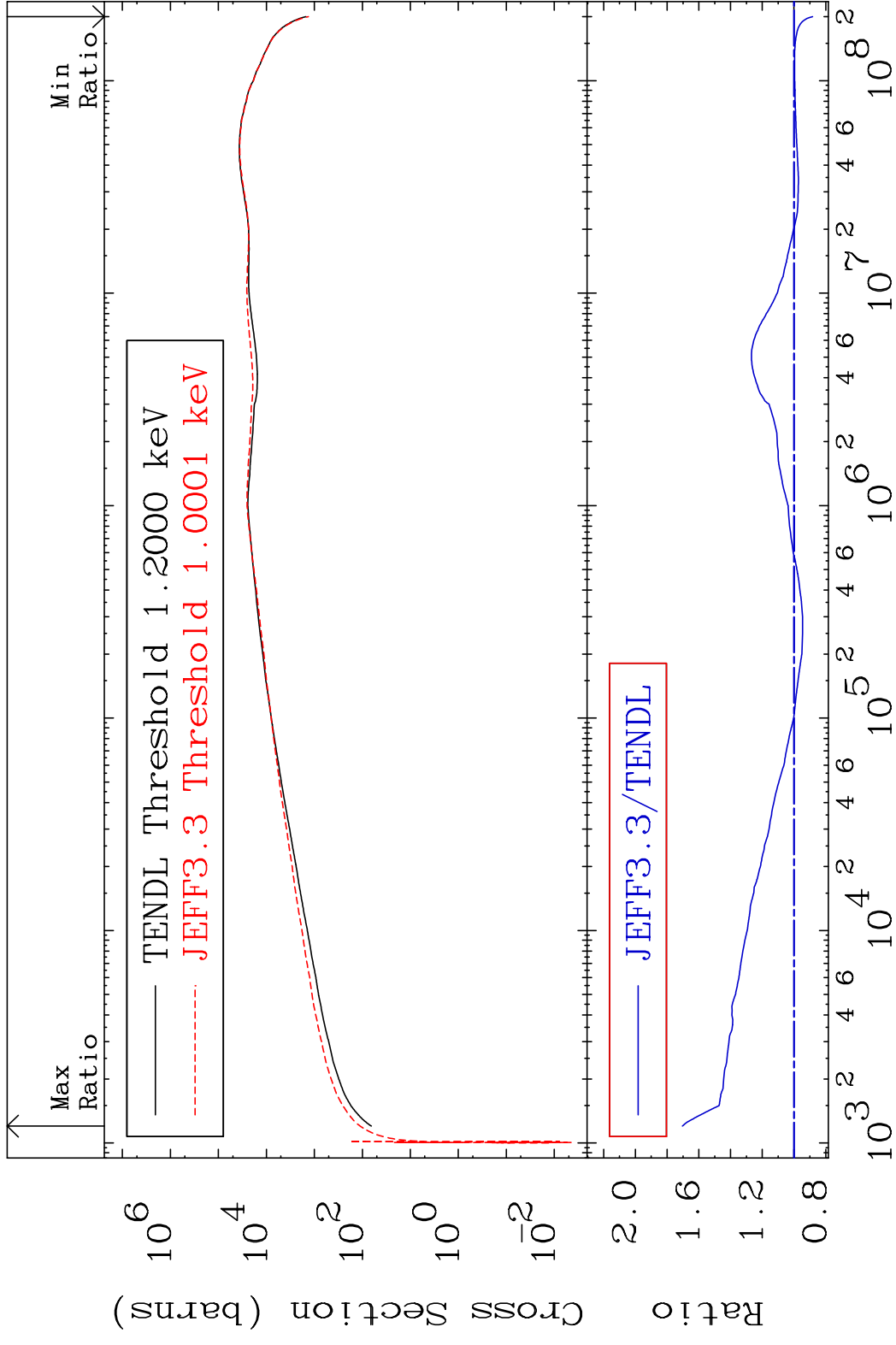
77      Incident Energy (eV)      70-Yb-168

MAT 7025

Dpa elastic (mt2)

70-Yb-168

Cross Section -11.69 To 70.39 %



78

Incident Energy (eV)

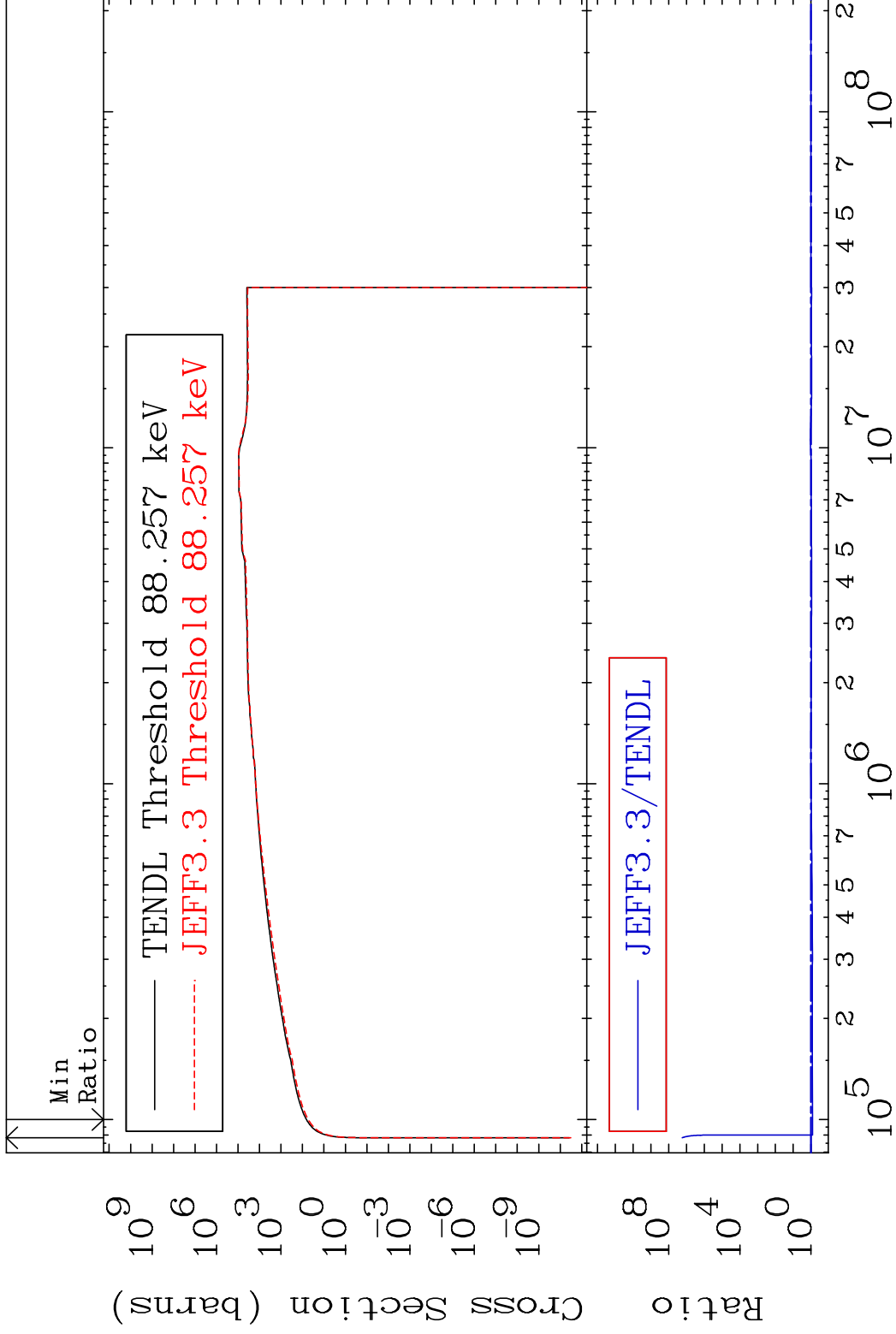
70-Yb-168

MAT 7025

Dpa inelastic (mt51-91)

70-Yb-168

Cross Section -17.45 To 9999. %



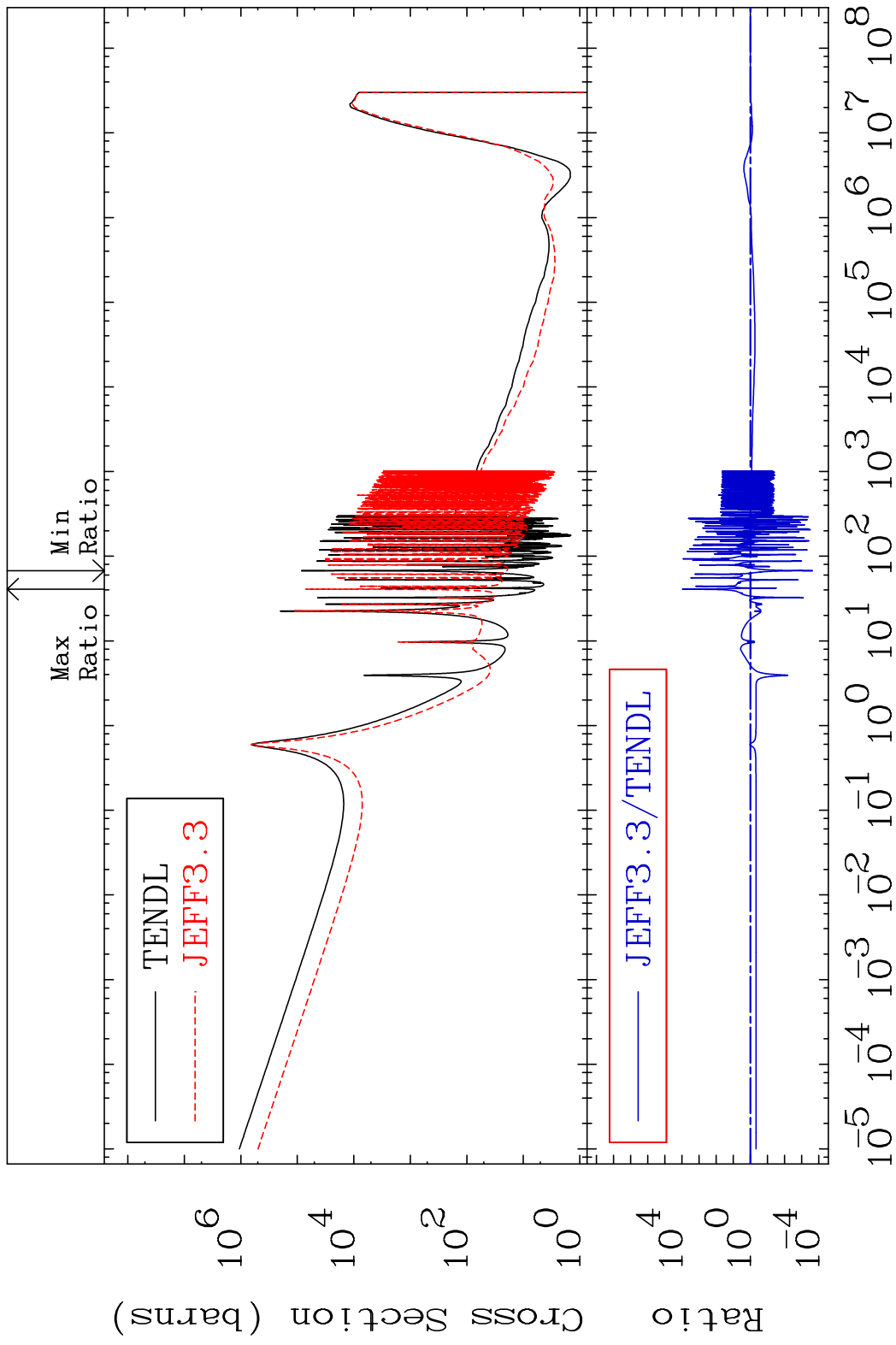
79

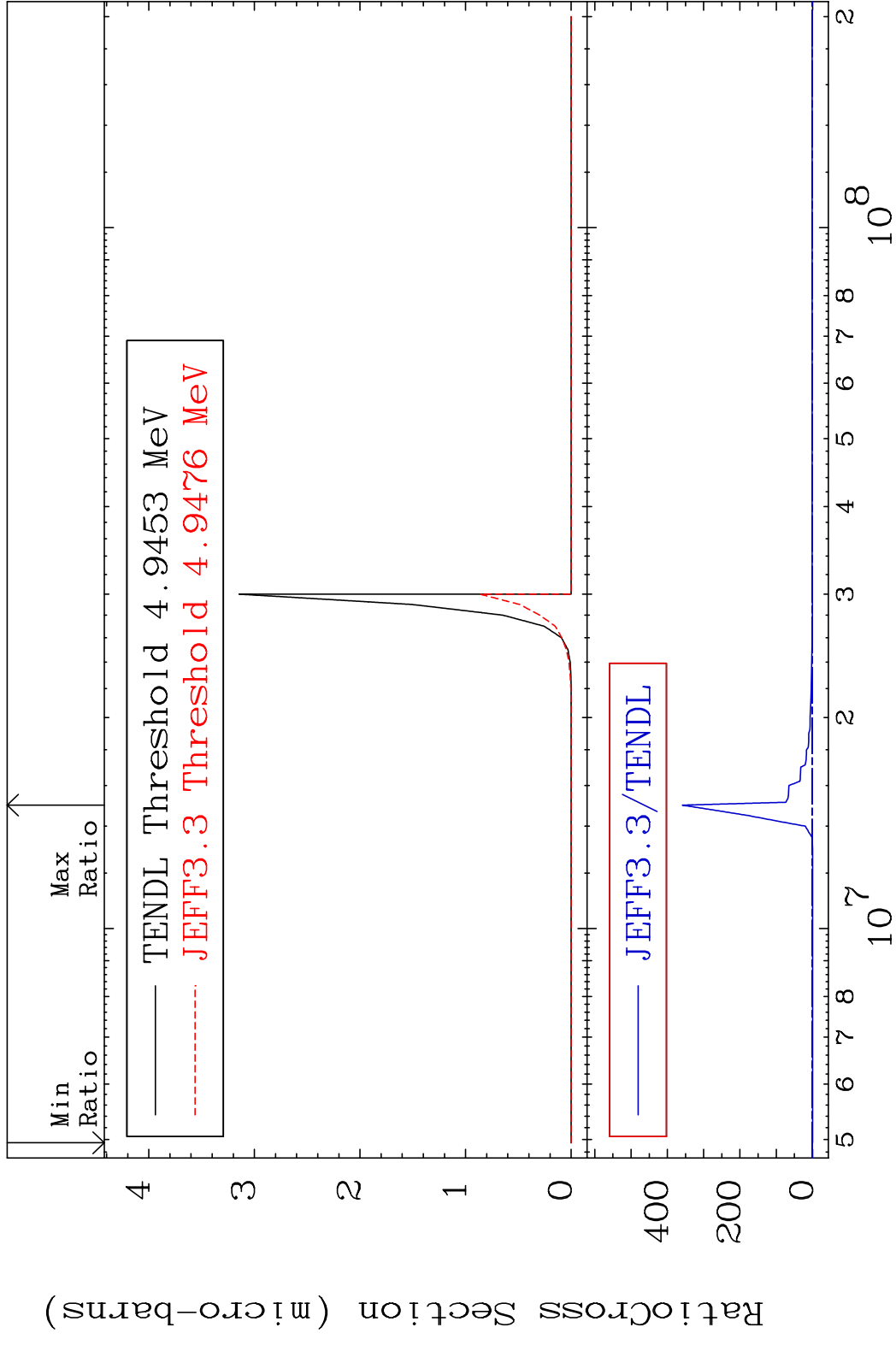
Incident Energy (eV)

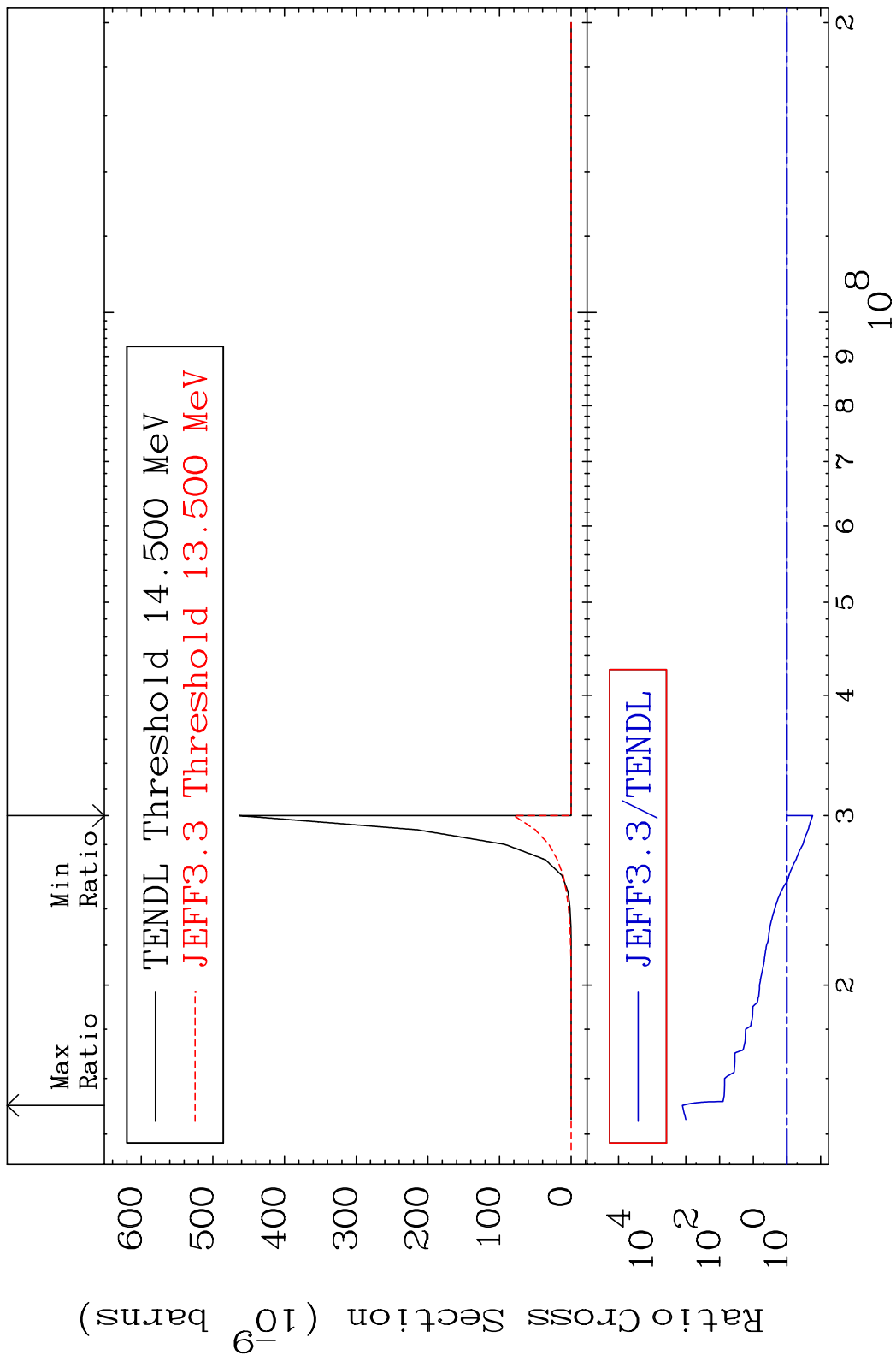
70-Yb-168

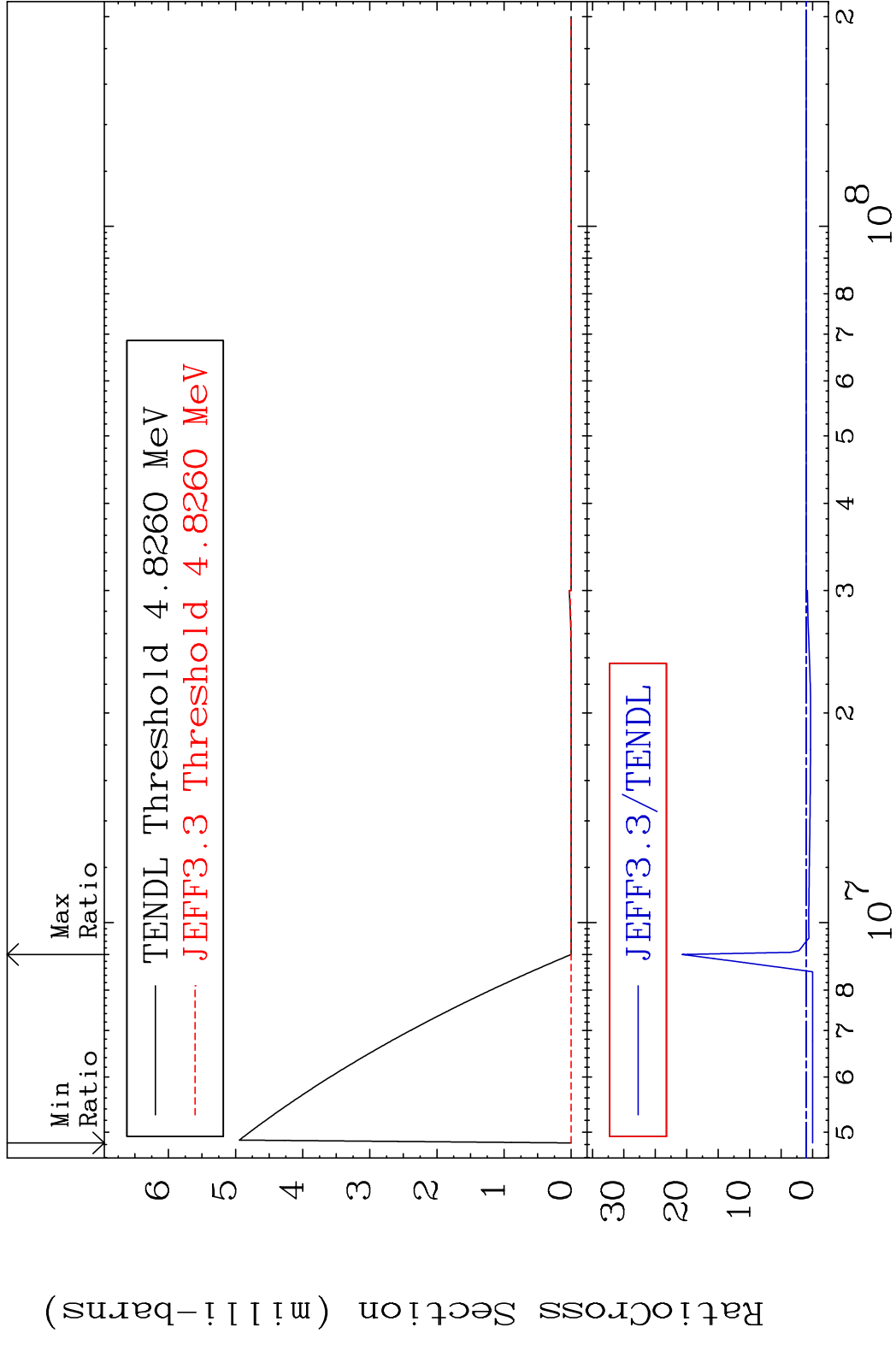


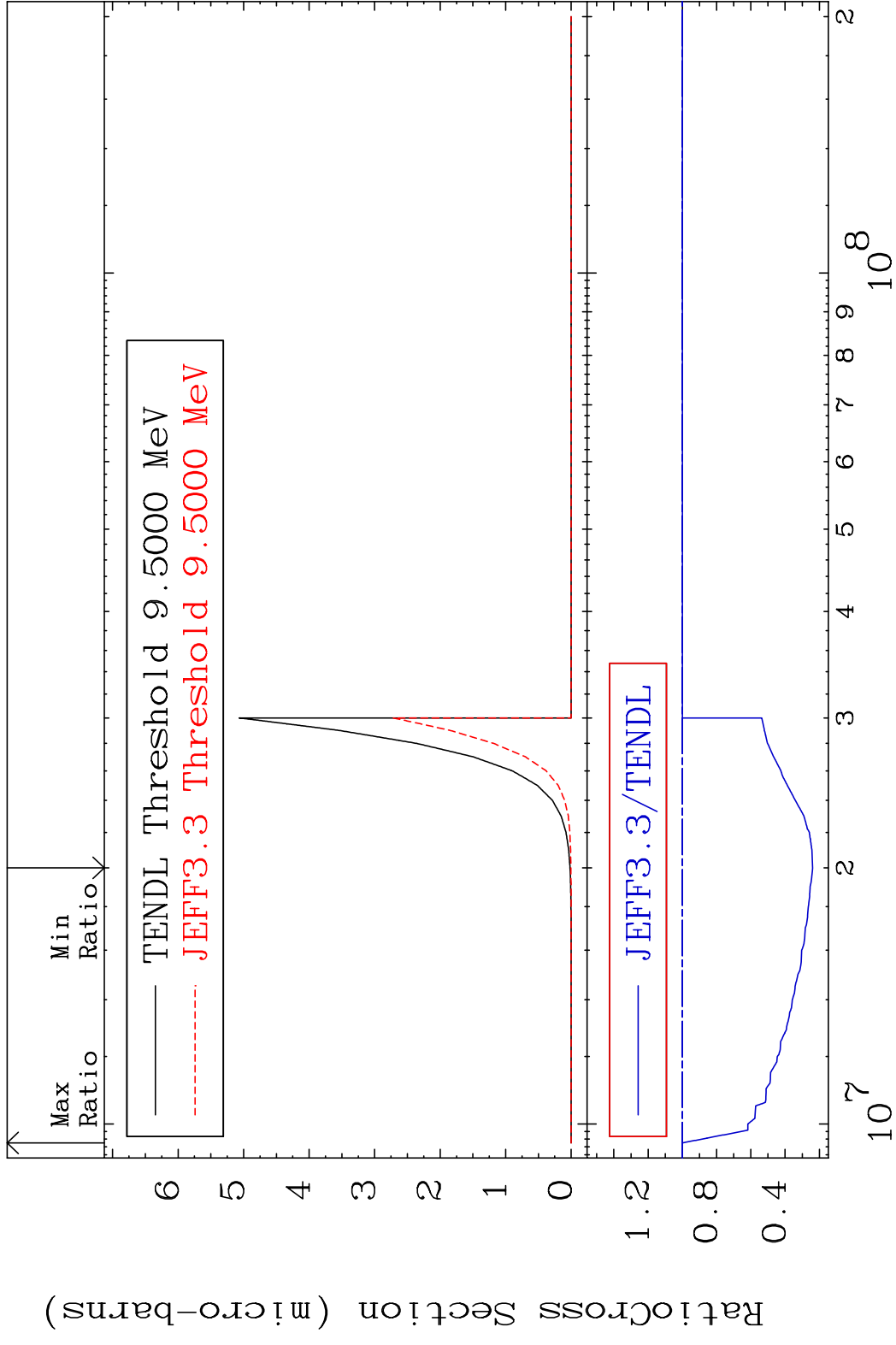
MAT 7025 Dpa disappearance (mt102 -120) 70-Yb-168  
 Cross Section -99.98 To 9999. %











MAT 7025 (n, d)  $\alpha$ :67-Ho-163g 70-Yb-168  
 Radionuclide Production Cross Section Ratio 9999. %

