

Program Complot  
(Version 2021-1)

by

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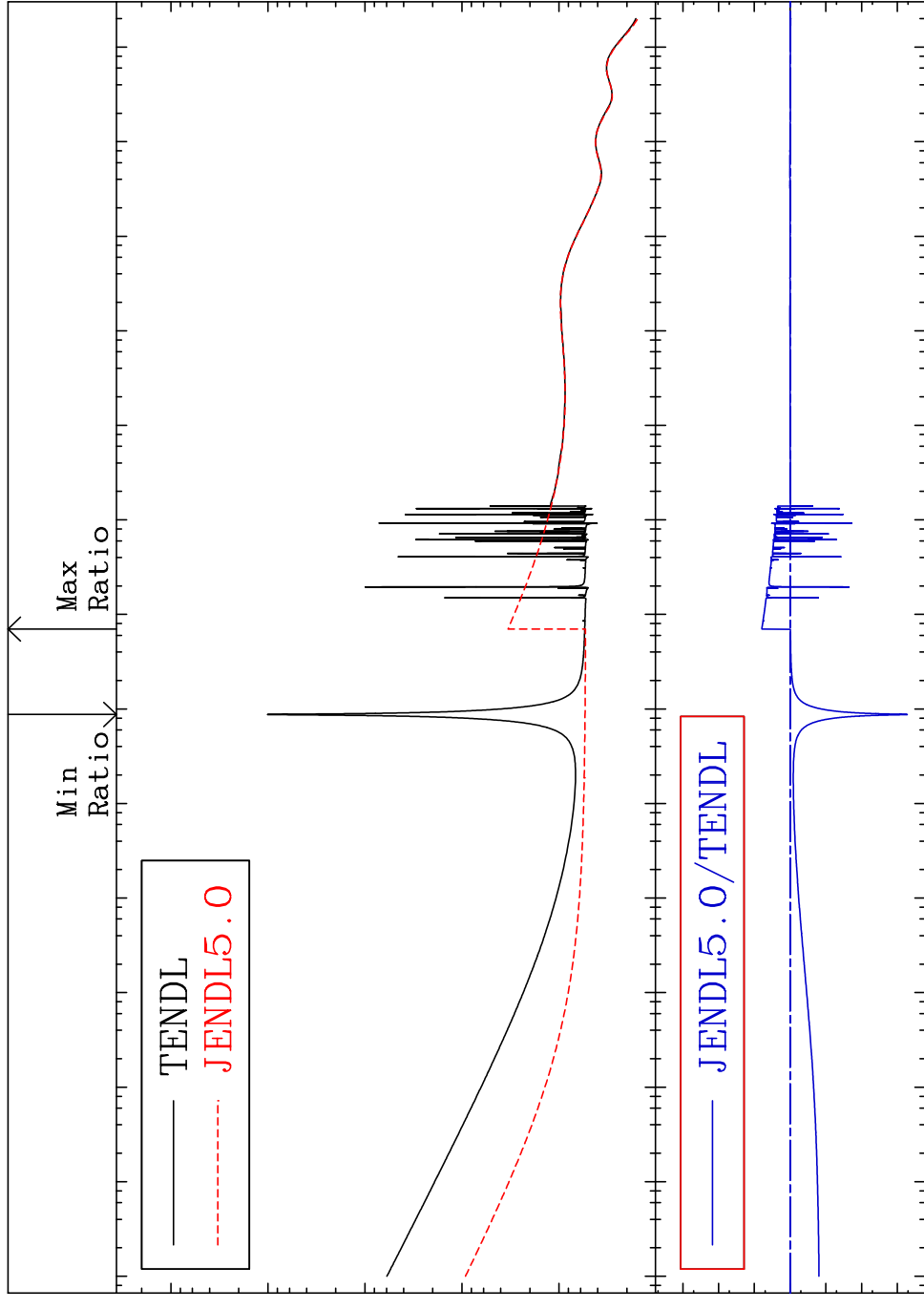
Press Mouse Button to Start

MAT 4122

41-Nb-92

Total

Cross Section -99.95 To 517.4 %



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>  
Ratio

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)

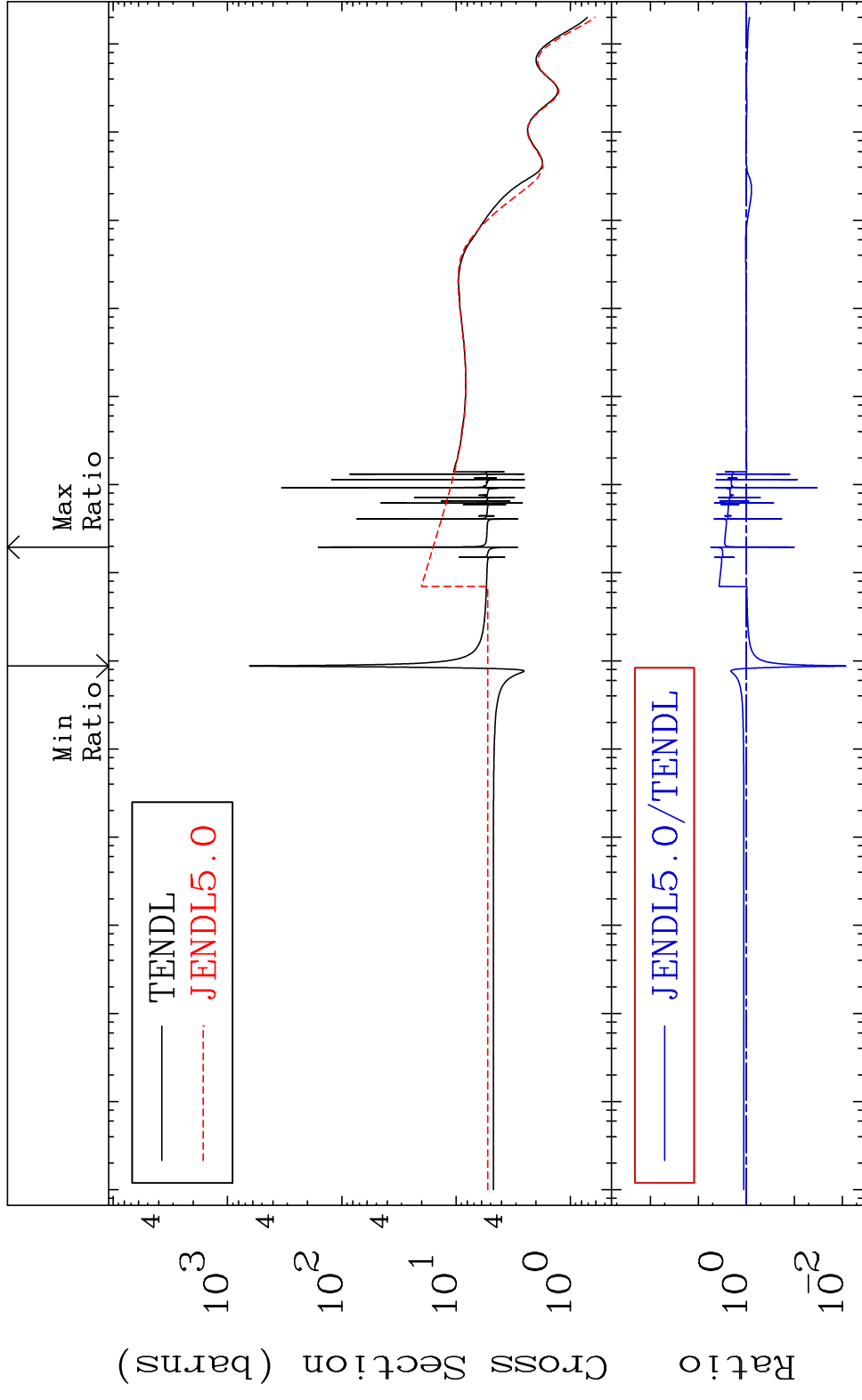
1 41-Nb-92

MAT 4122

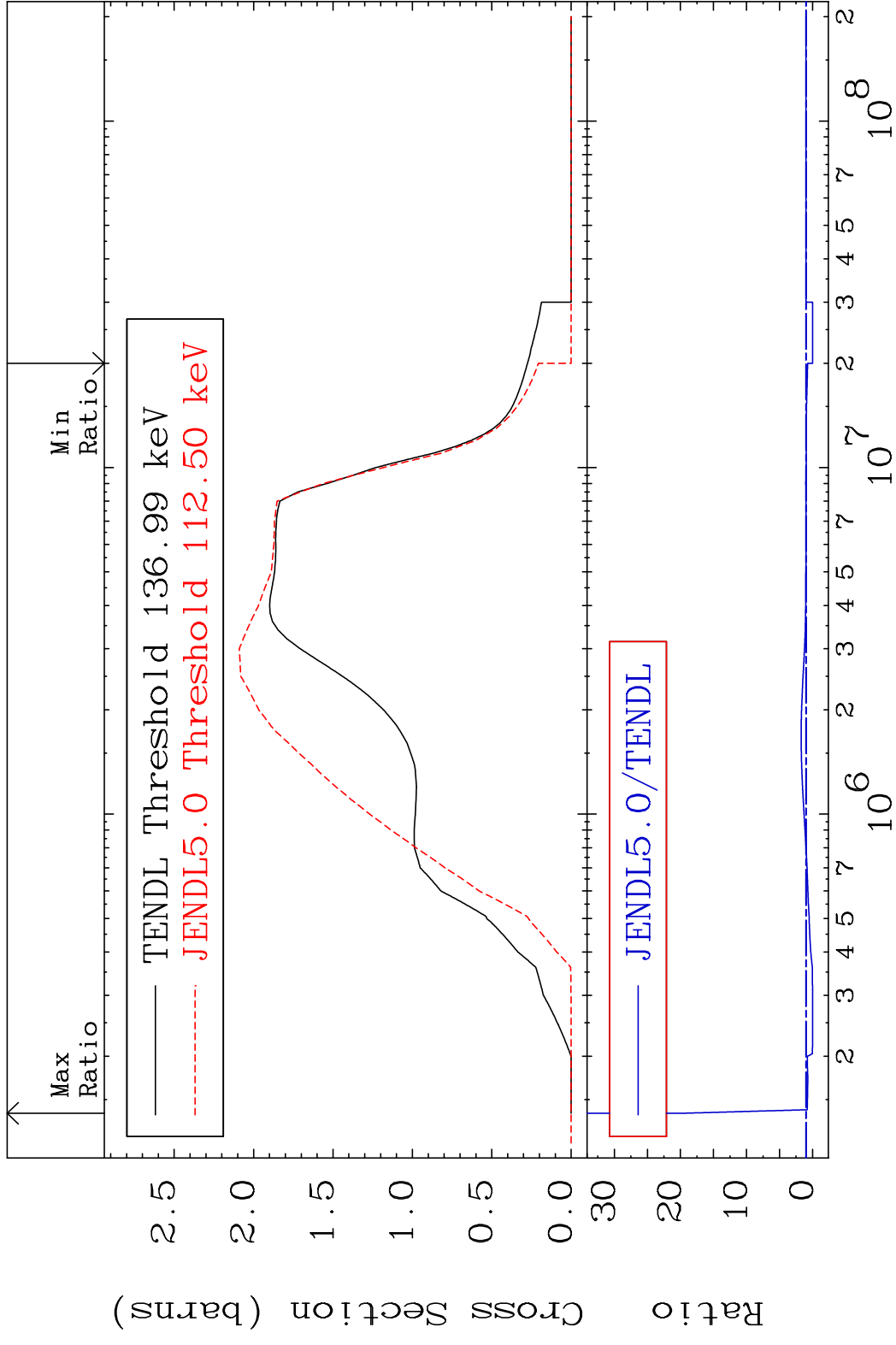
41-Nb-92

Elastic

Cross Section -99.18 To 450.9 %



MAT 4122 Inelastic 41-Nb-92  
 Cross Section -100.0 To 1871. %

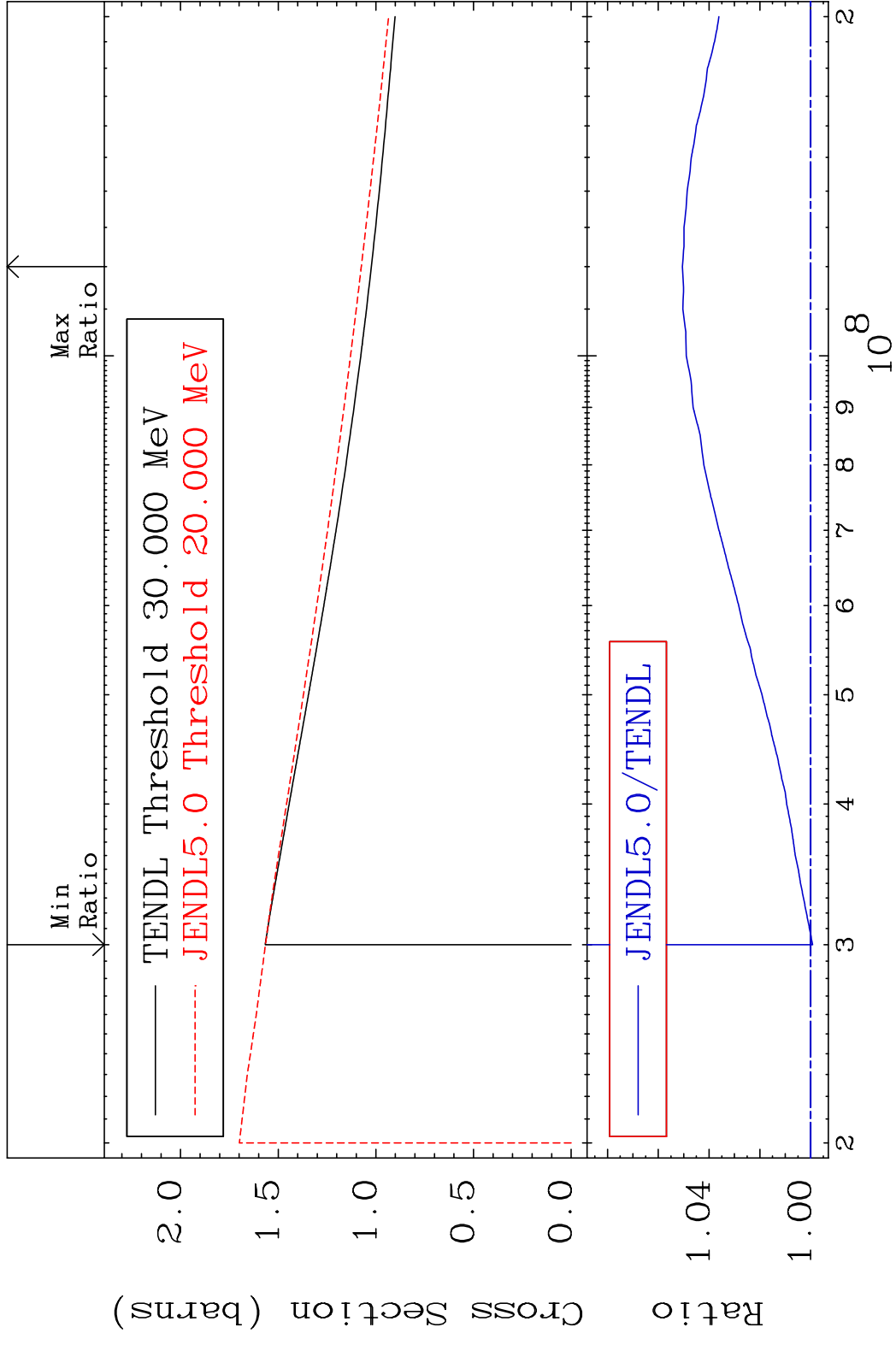


MAT 4122

(n, remainder)

41-Nb-92

Cross Section -0.076 To 5.052 %



4

Incident Energy (eV)

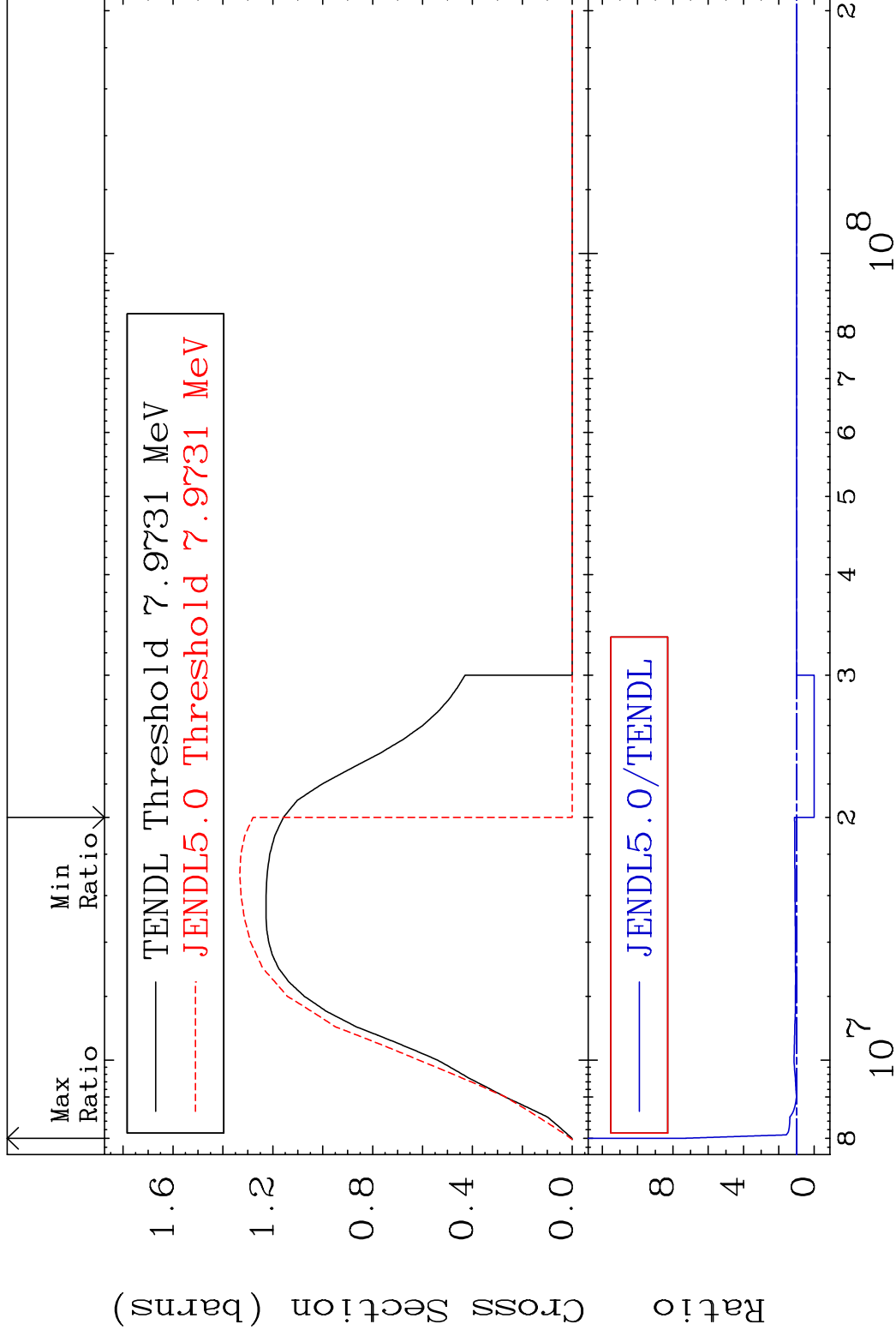
41-Nb-92

MAT 4122

(n,2n)

41-Nb-92

Cross Section -100.0 To 639.2 %

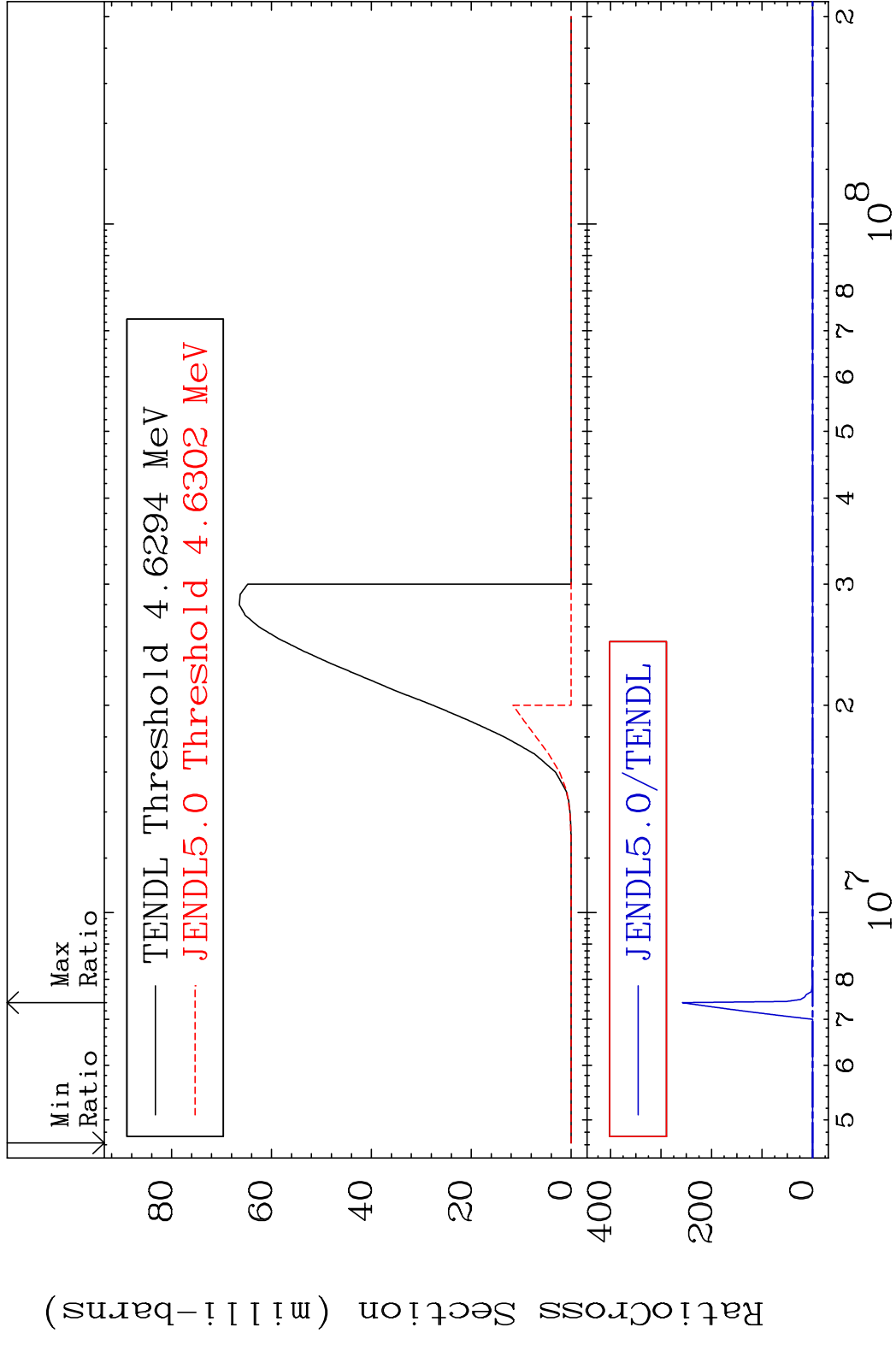


5

Incident Energy (eV)

41-Nb-92

MAT 4122 (n, n')  $\alpha$  41-Nb-92  
 Cross Section -100.0 To 9999. %



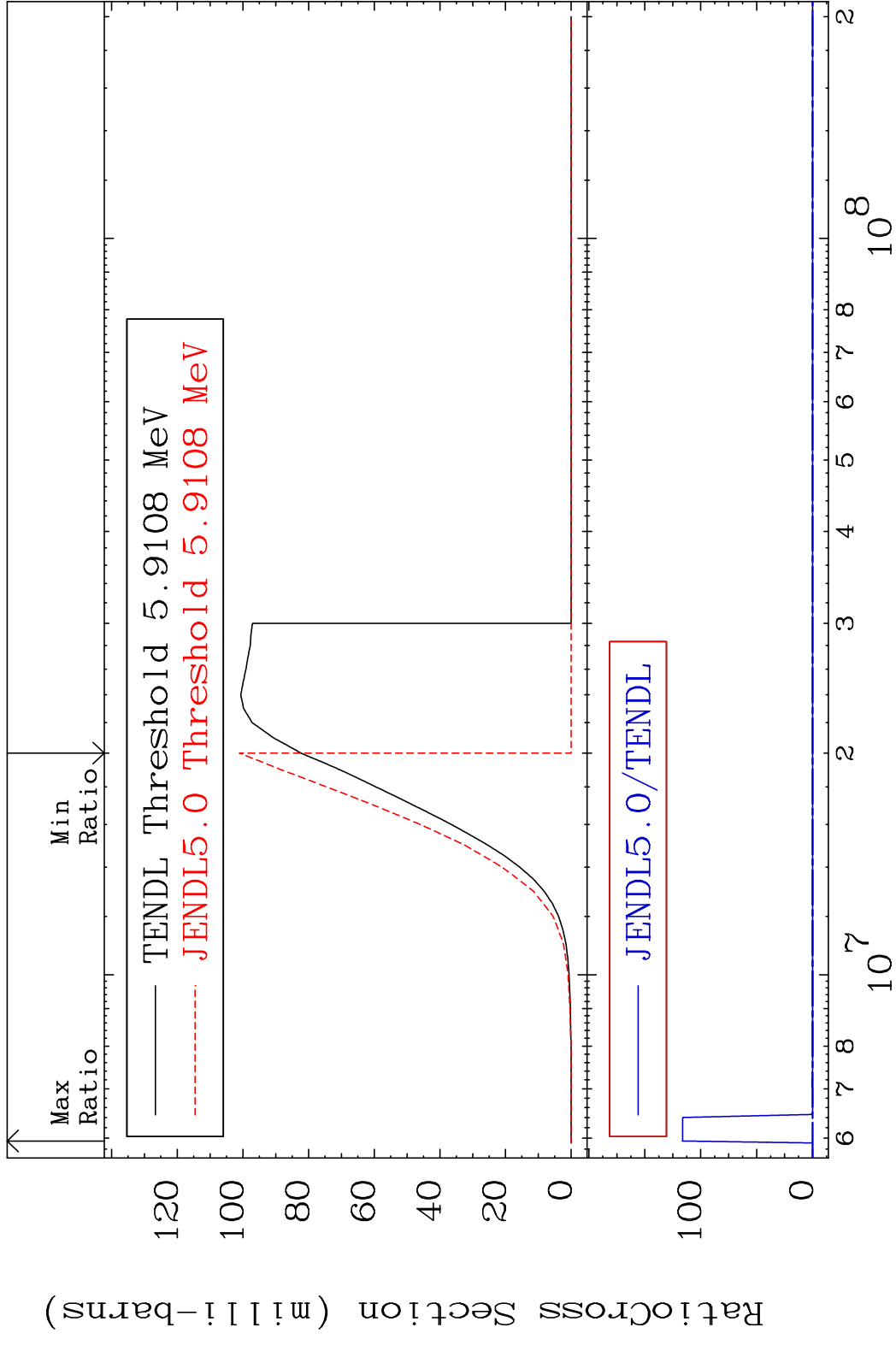
6 Incident Energy (eV) 41-Nb-92

MAT 4122

(n, n') p

41-Nb-92

Cross Section -100.0 To 9999. %



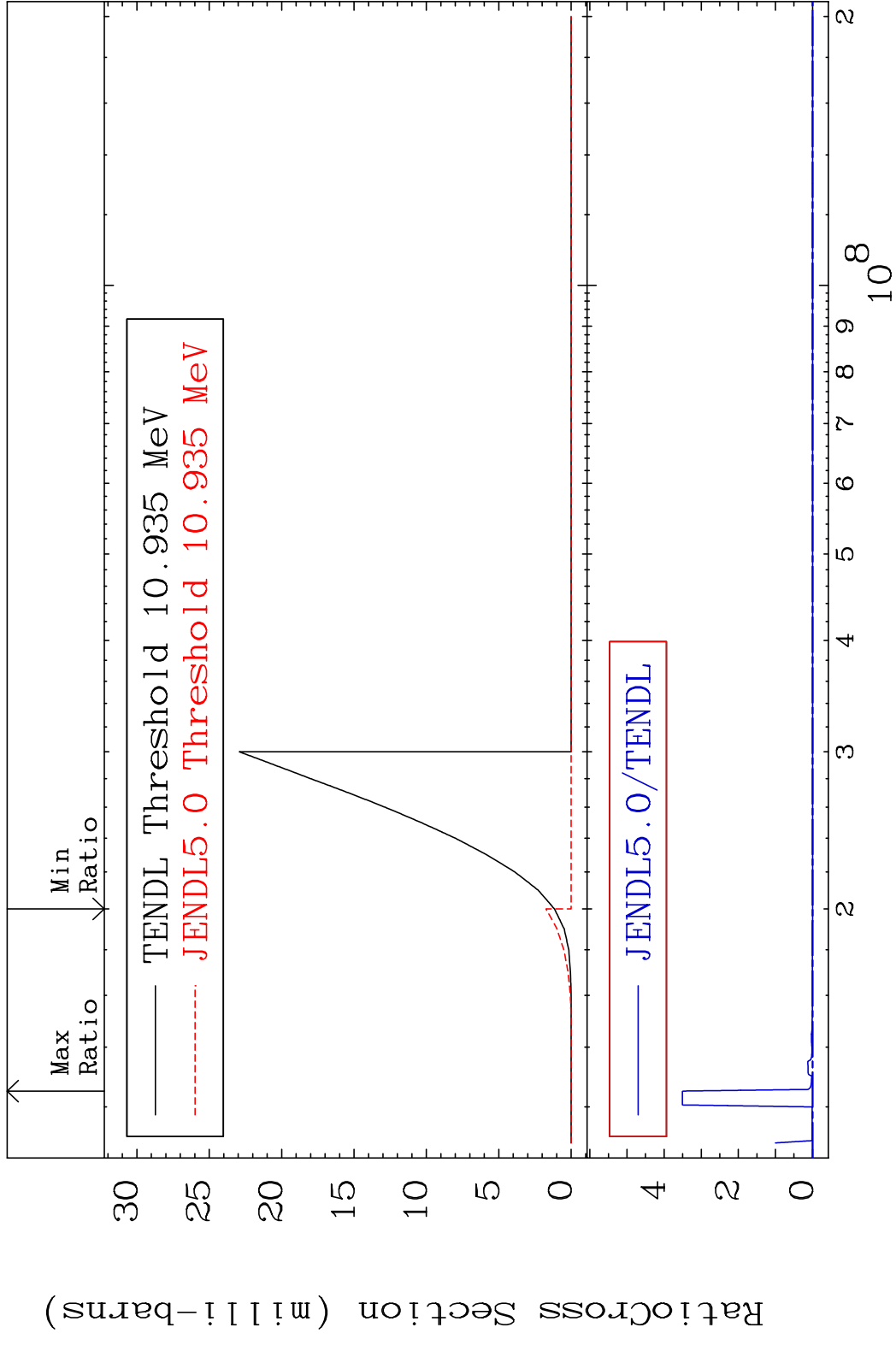
7

Incident Energy (eV)

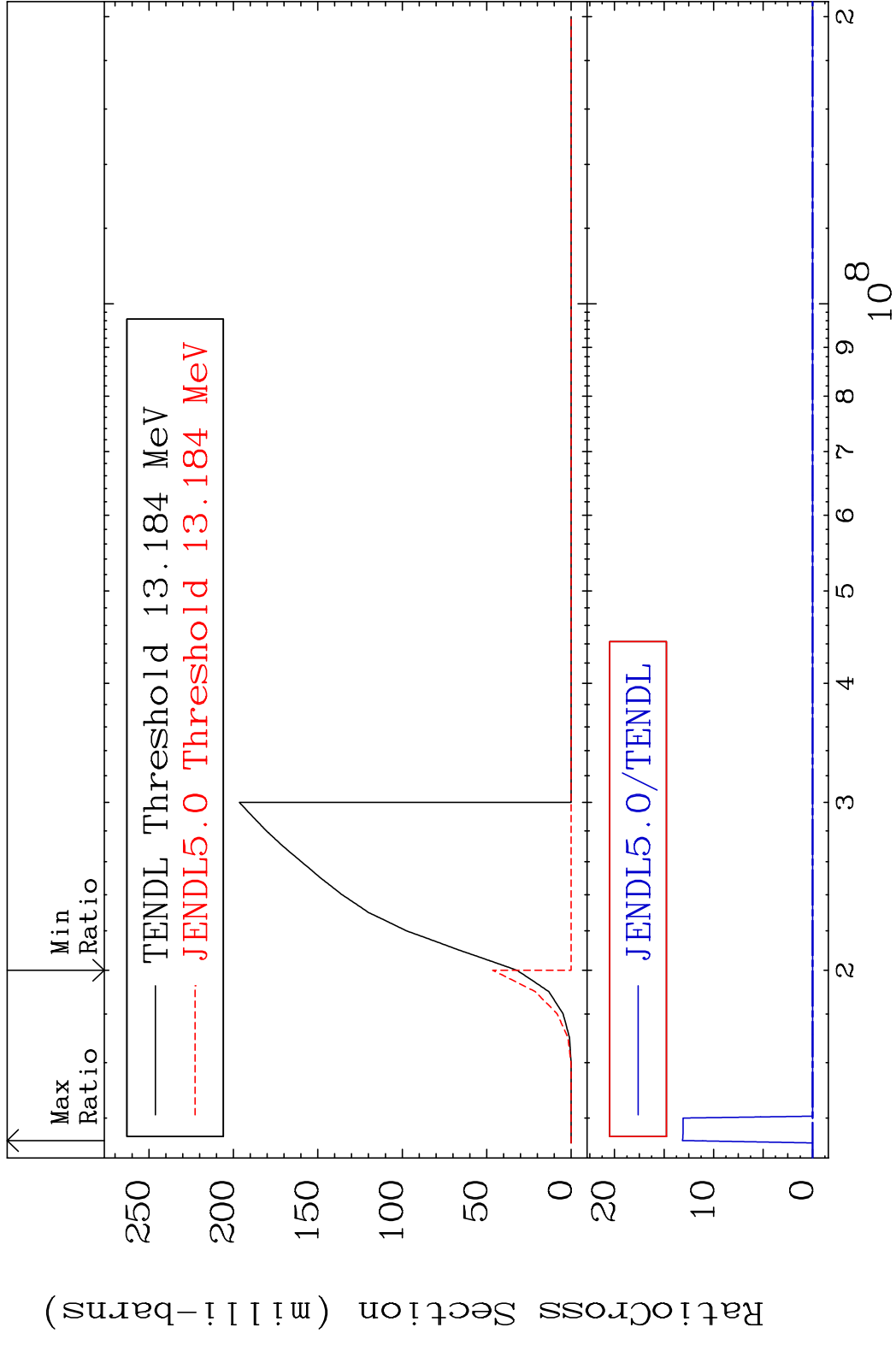
41-Nb-92



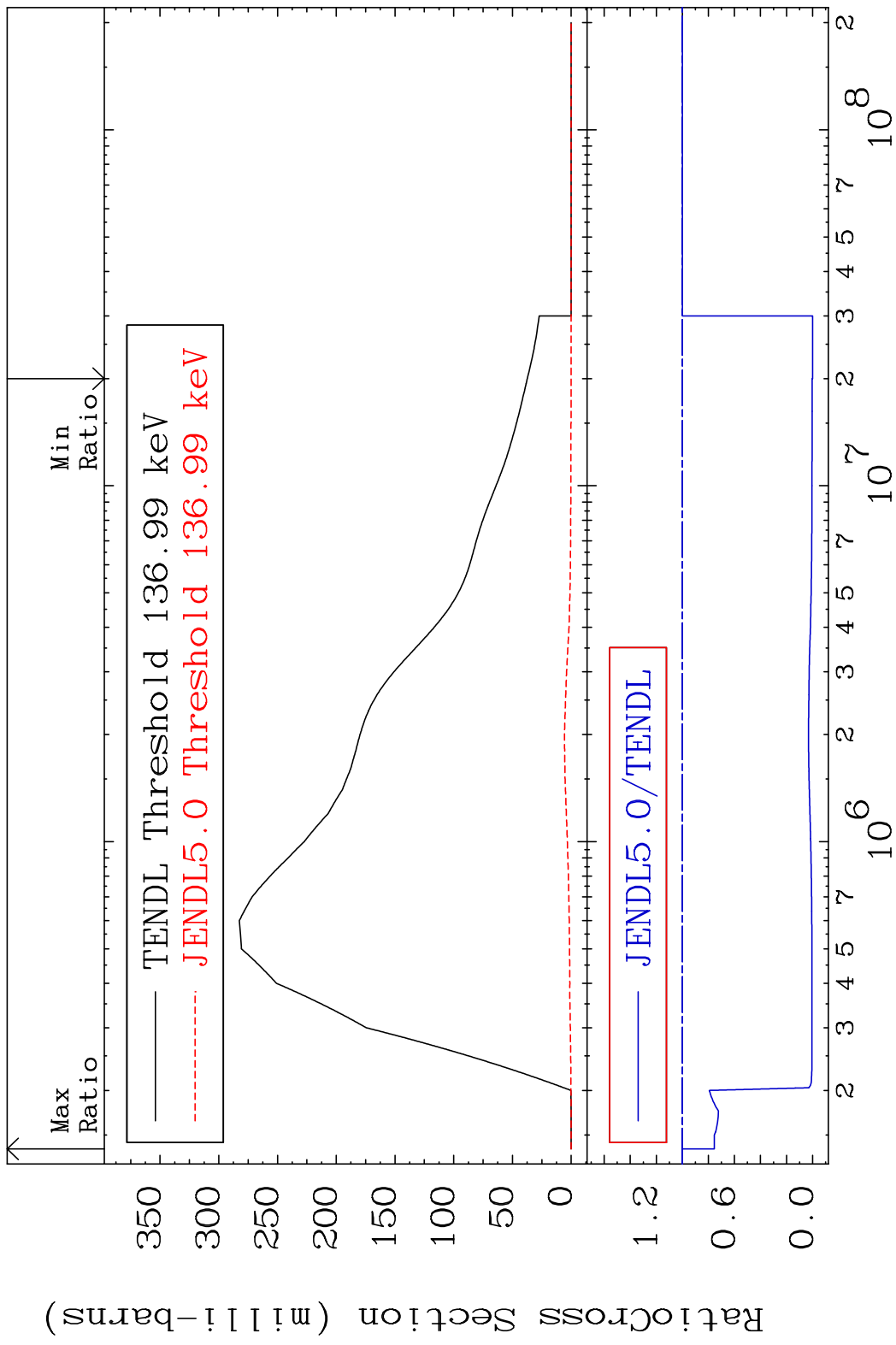
MAT 4122 (n, n') d 41-Nb-92  
 Cross Section -100.0 To 9999. %



MAT 4122 (n,2n) p 41-Nb-92  
 Cross Section -100.0 To 9999. %

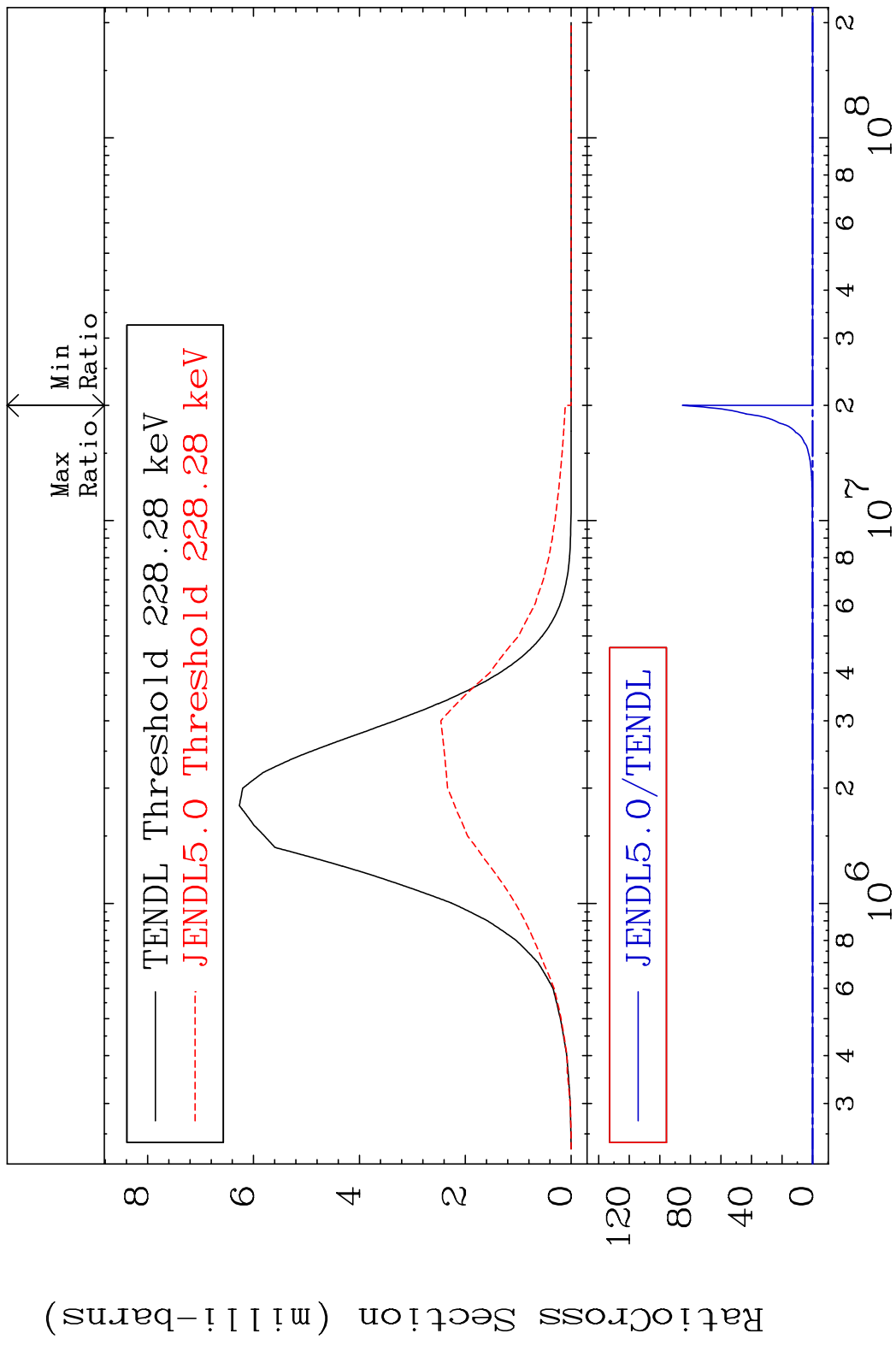


MAT 4122 MT= 51 (n, n') Level 41-Nb-92  
 Cross Section -100.0 To 0.000 %

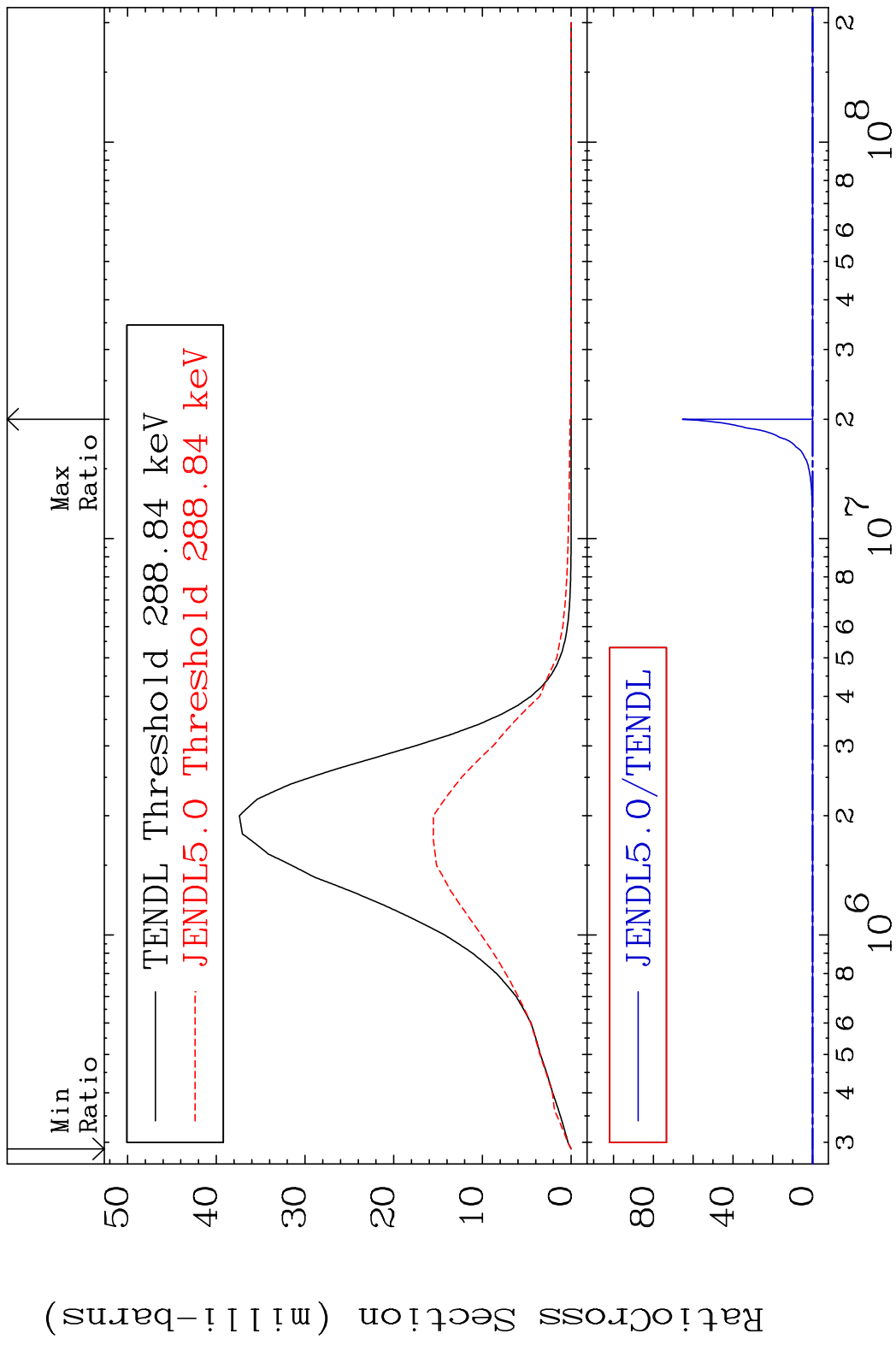


10 Incident Energy (eV) 41-Nb-92

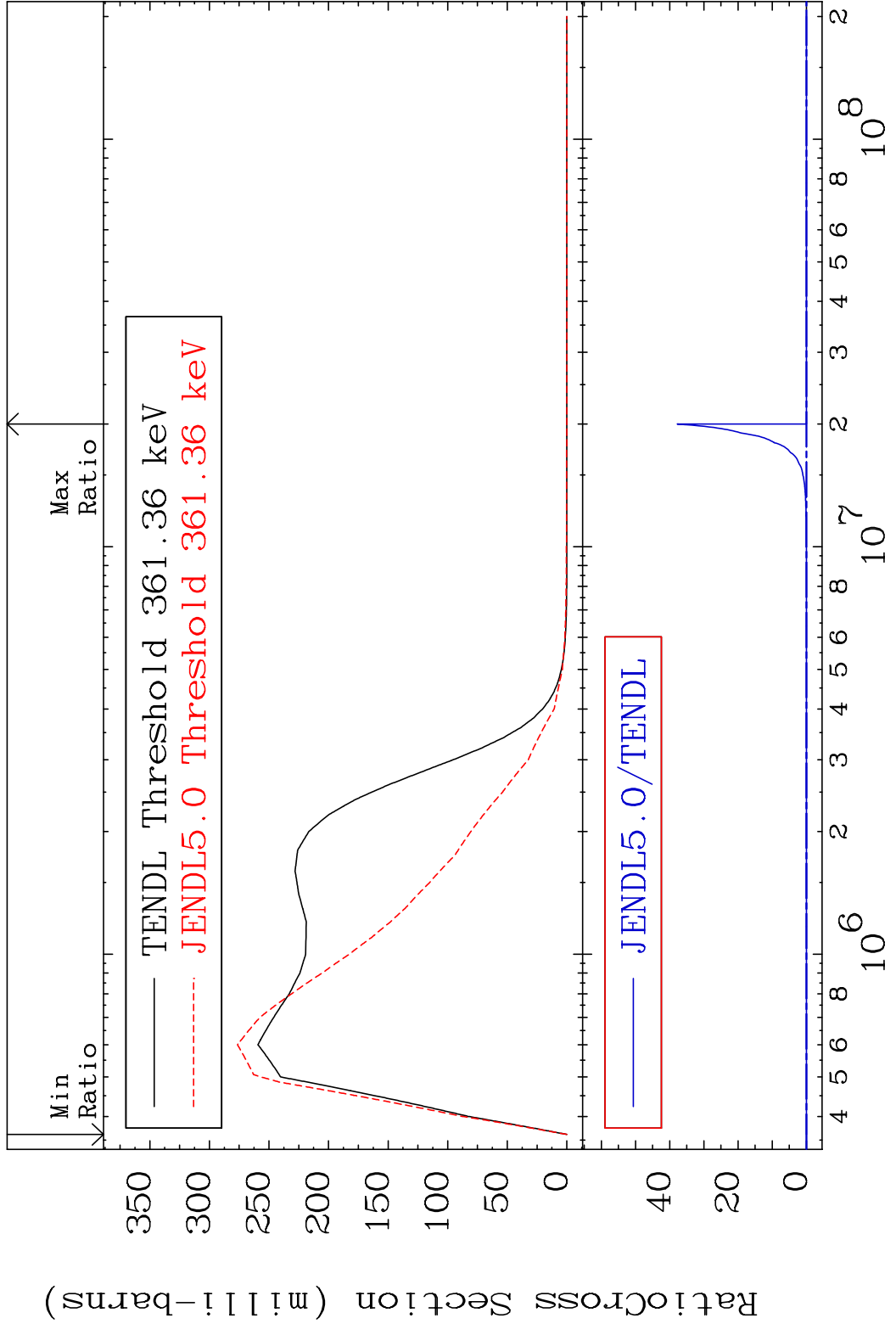
MAT 4122 MT= 52 (n,n') Level 41-Nb-92  
 Cross Section -100.0 To 9999. %



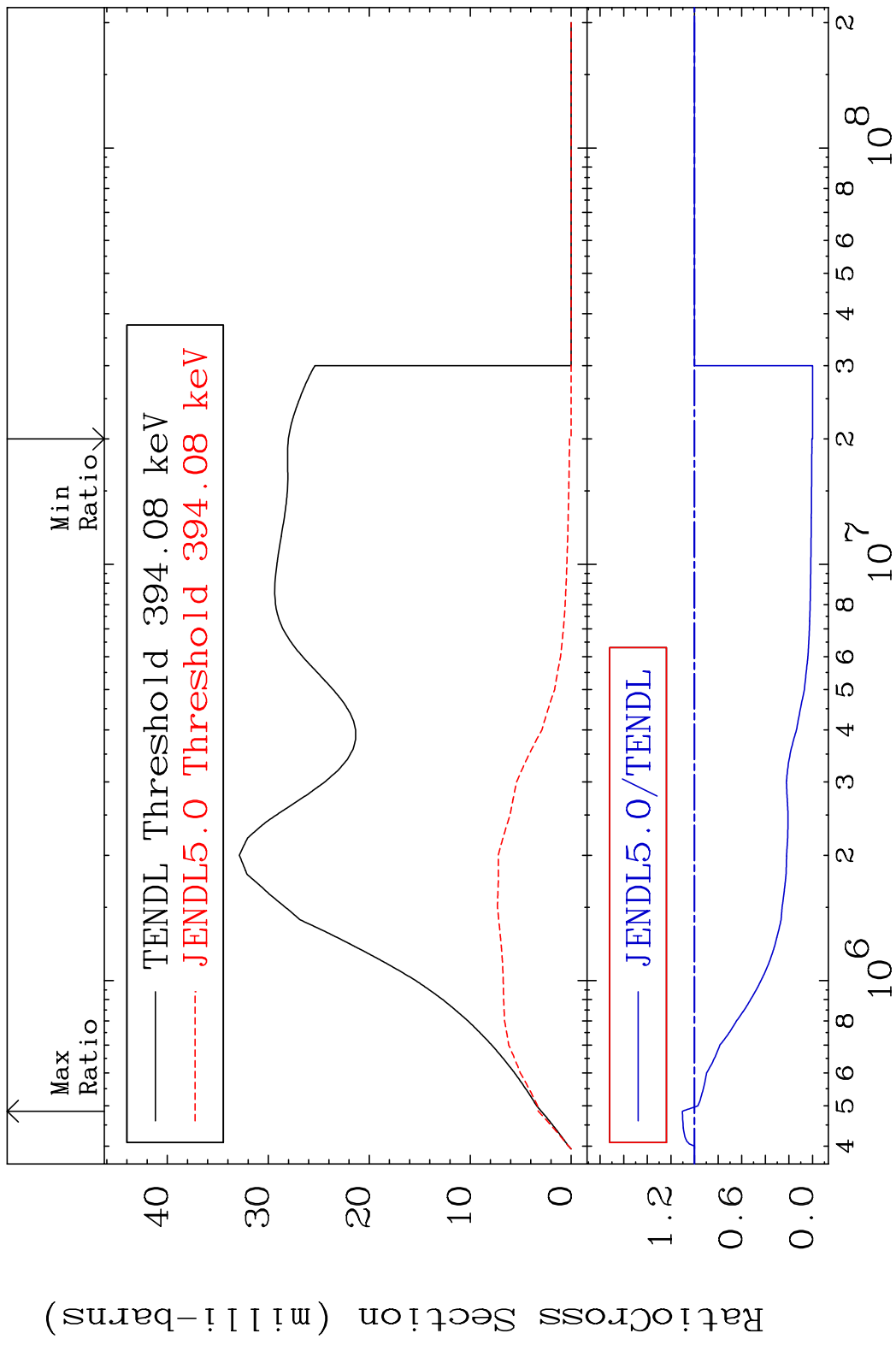
MAT 4122 MT= 53 (n, n') Level 41-Nb-92  
 Cross Section -100.0 To 9999. %



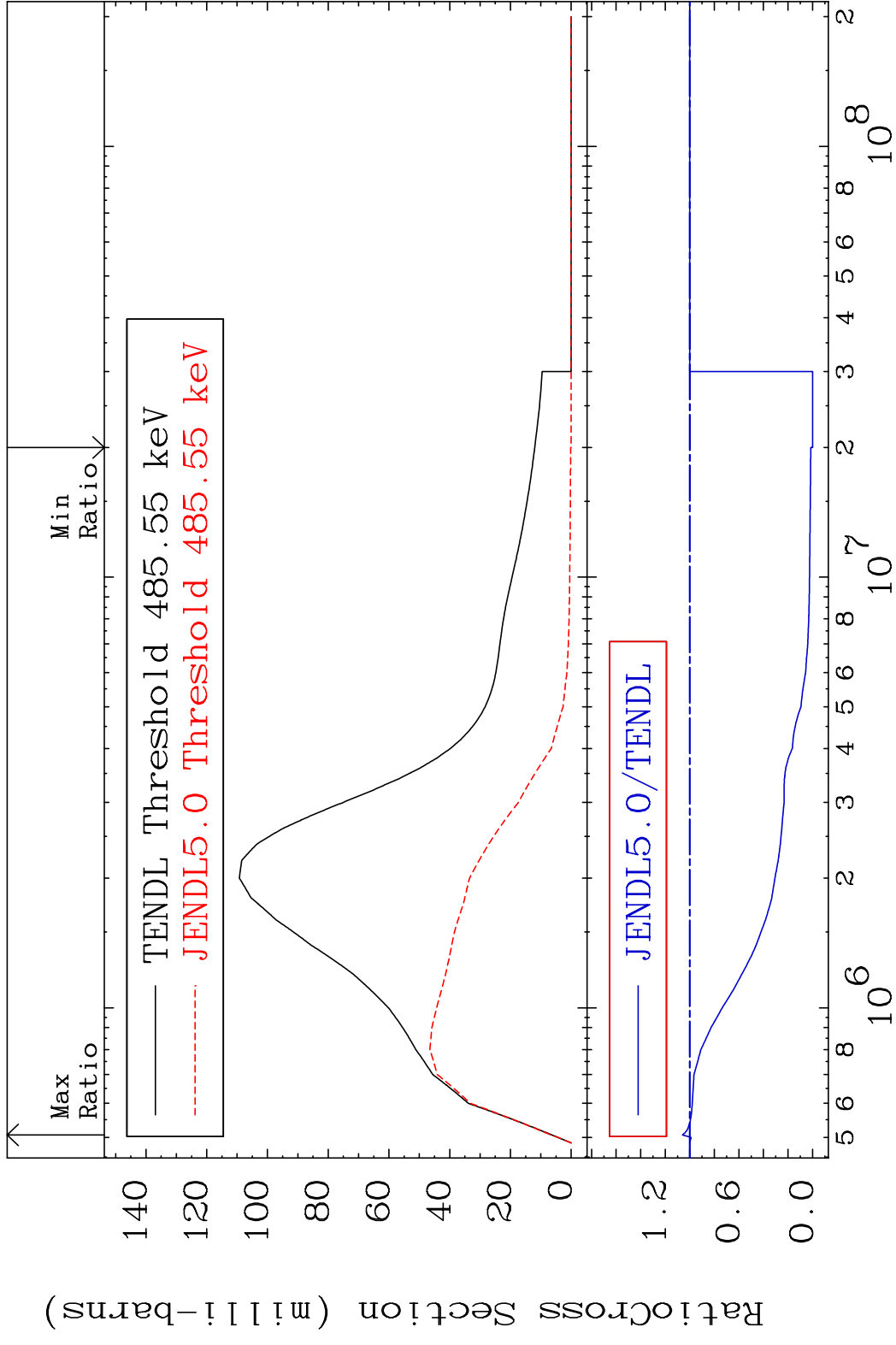
MAT 4122 MT= 54 (n, n') Level 41-Nb-92  
 Cross Section -100.0 To 9999. %



MAT 4122 MT= 55 (n, n') Level 41-Nb-92  
 Cross Section -100.0 To 10.35 %

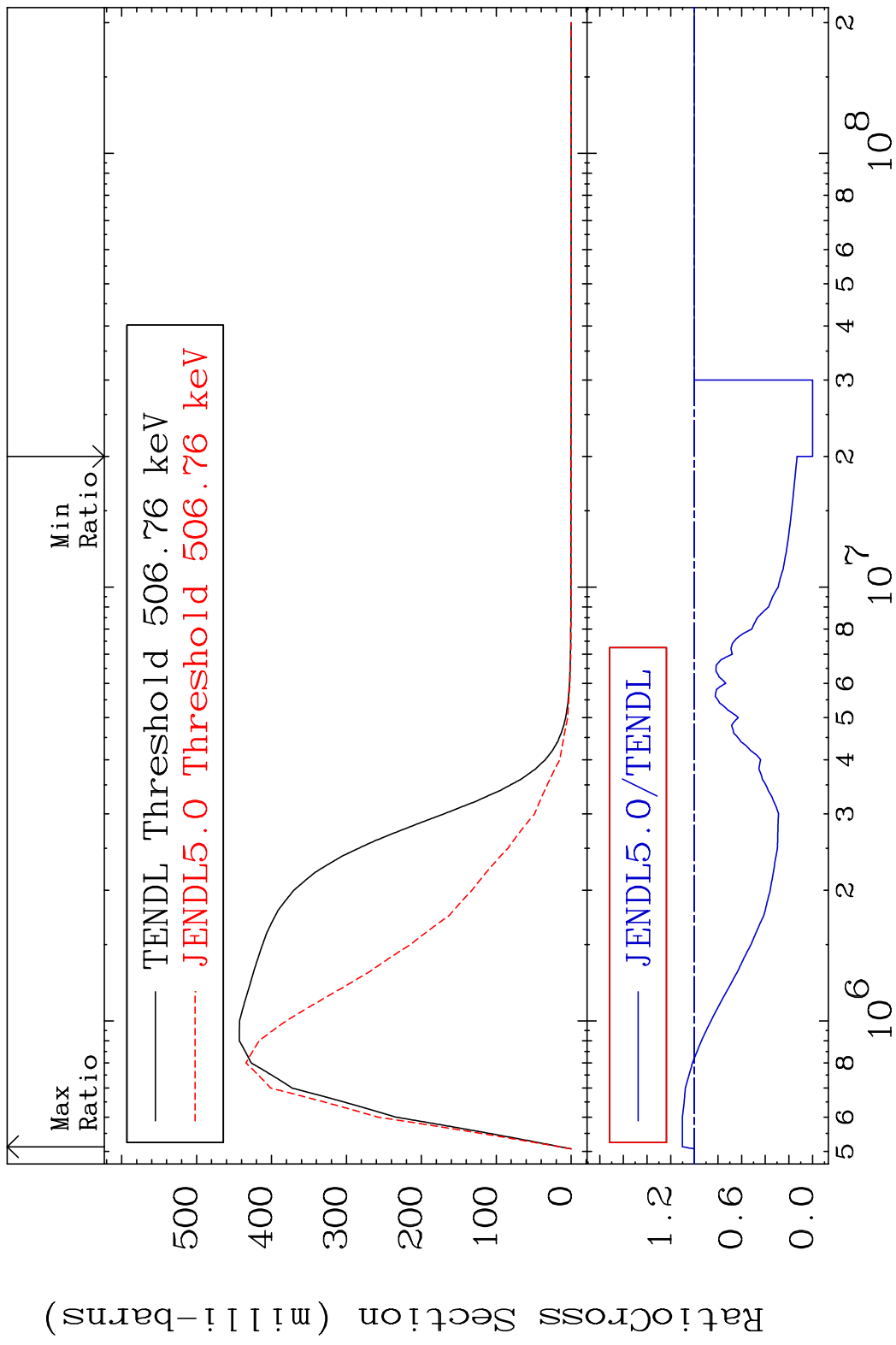


MAT 4122 MT= 56 (n, n') Level 41-Nb-92  
 Cross Section -100.0 To 6.045 %

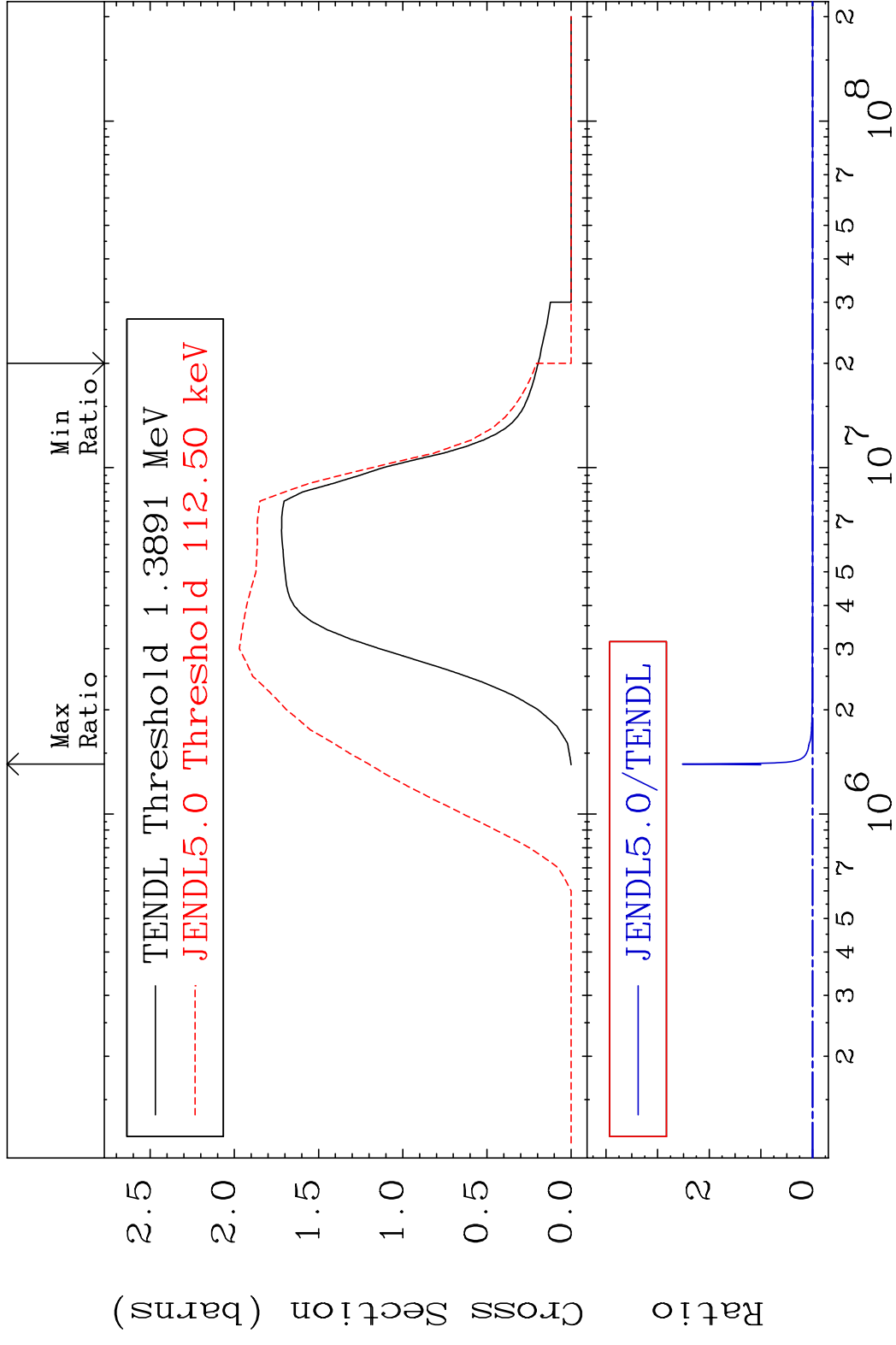




MAT 4122 MT= 57 (n, n') Level 41-Nb-92  
 Cross Section -100.0 To 10.14 %



MAT 4122 (n, n') Continuum 41-Nb-92  
 Cross Section -100.0 To 9999. %

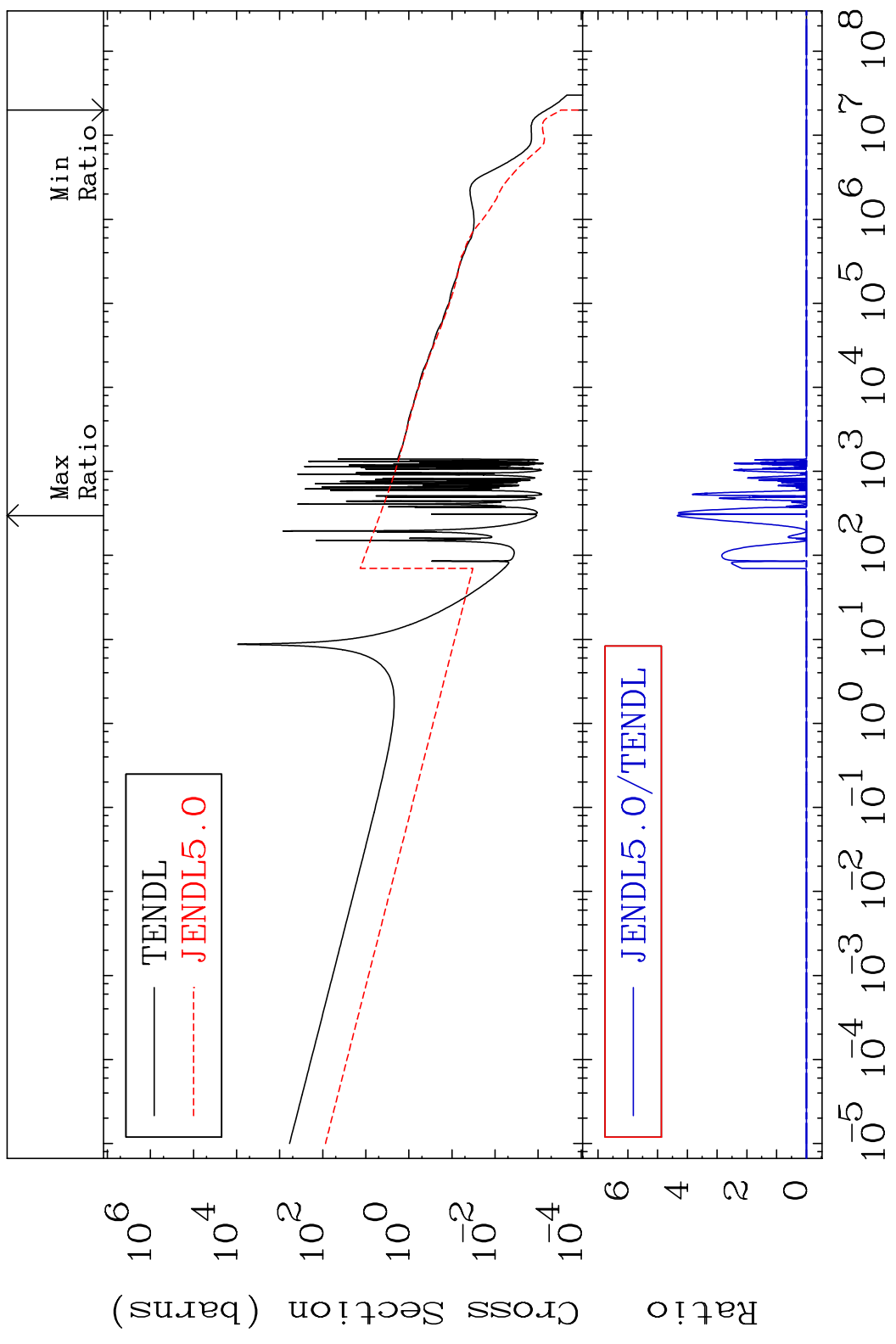


MAT 4122

(n,  $\gamma$ )

41-Nb-92

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

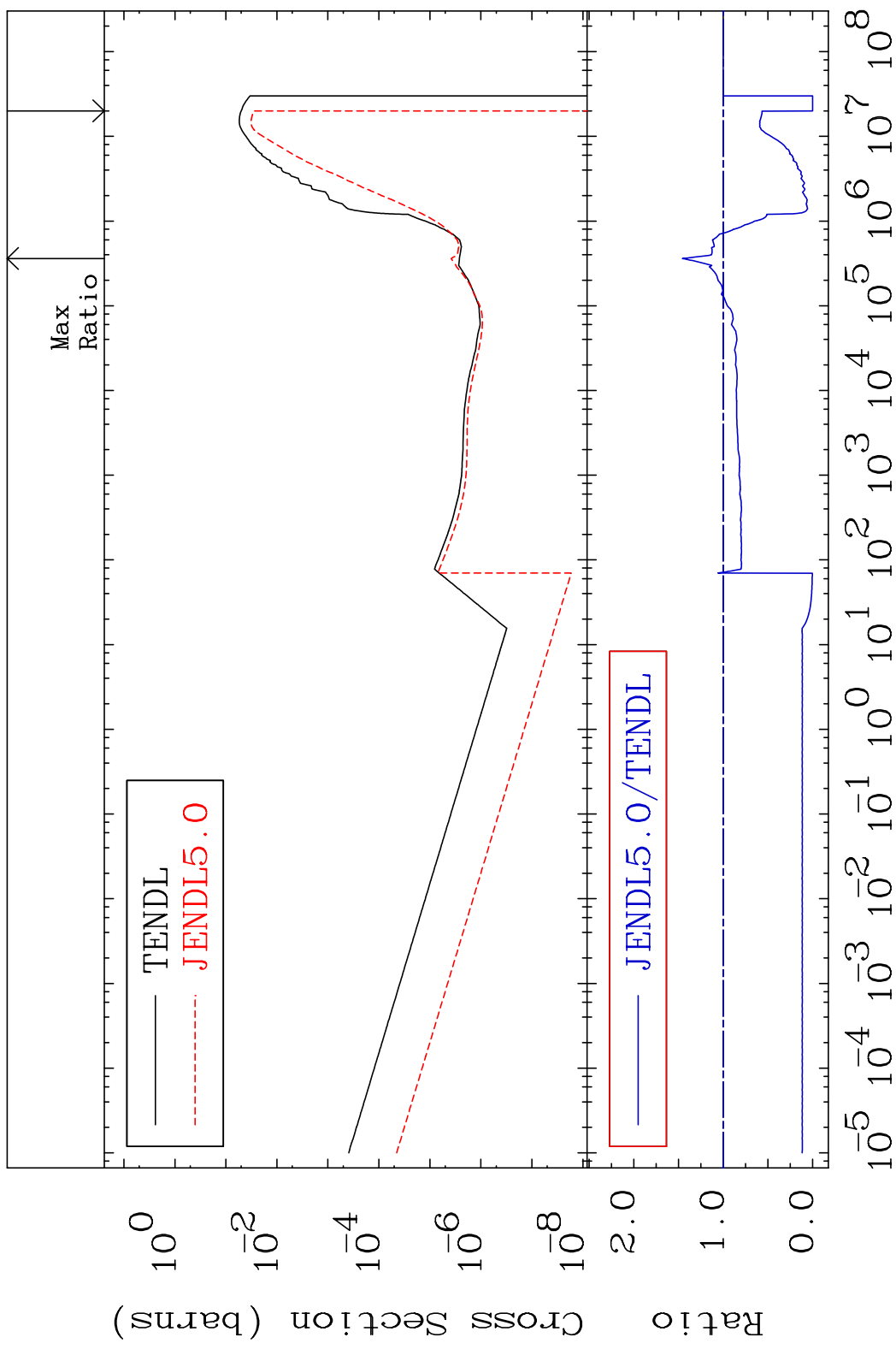
41-Nb-92

MAT 4122

(n, p)

41-Nb-92

Cross Section -100.0 To 45.65 %

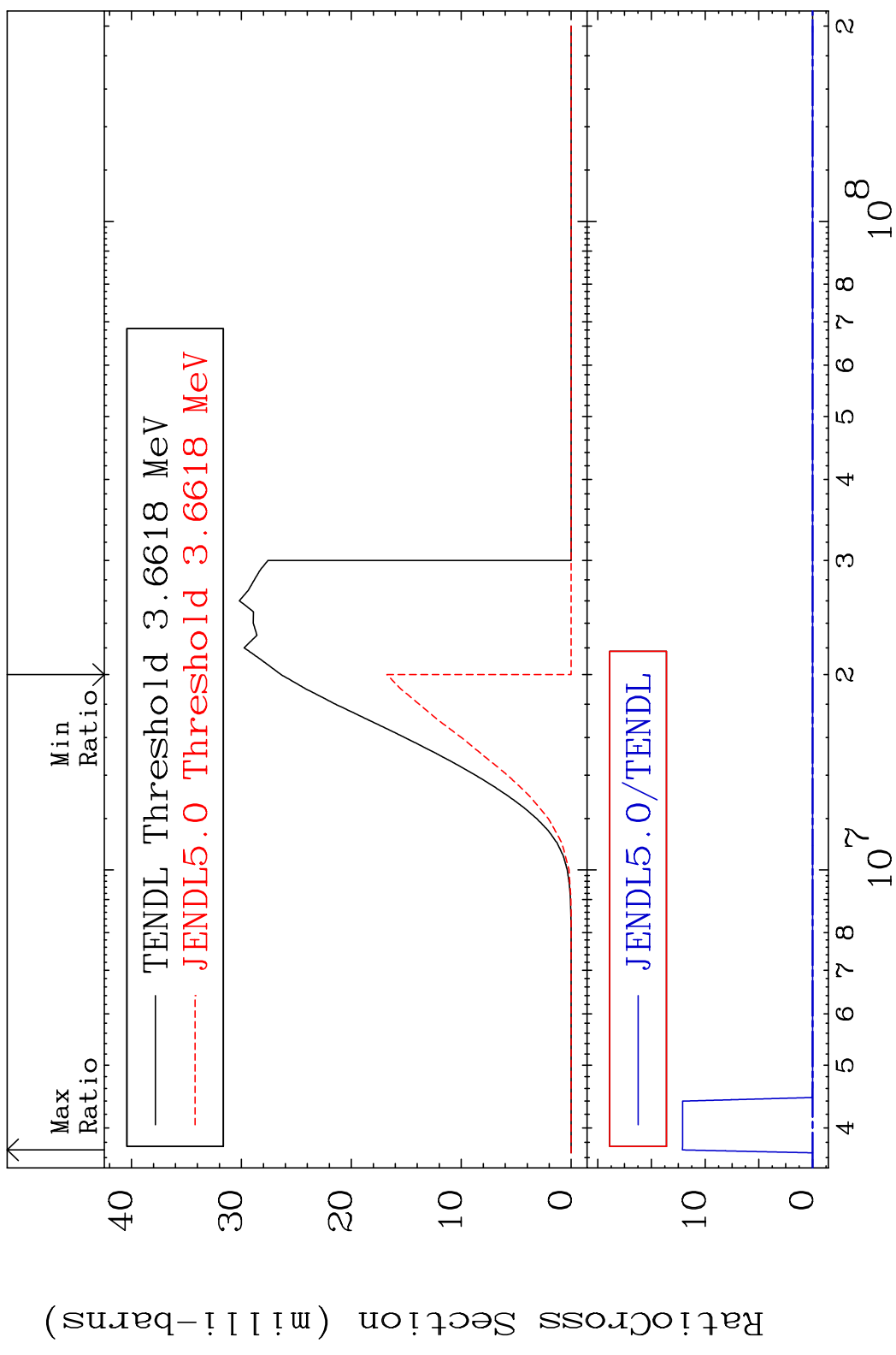


MAT 4122

(n,d)

41-Nb-92

Cross Section -100.0 To 9999. %

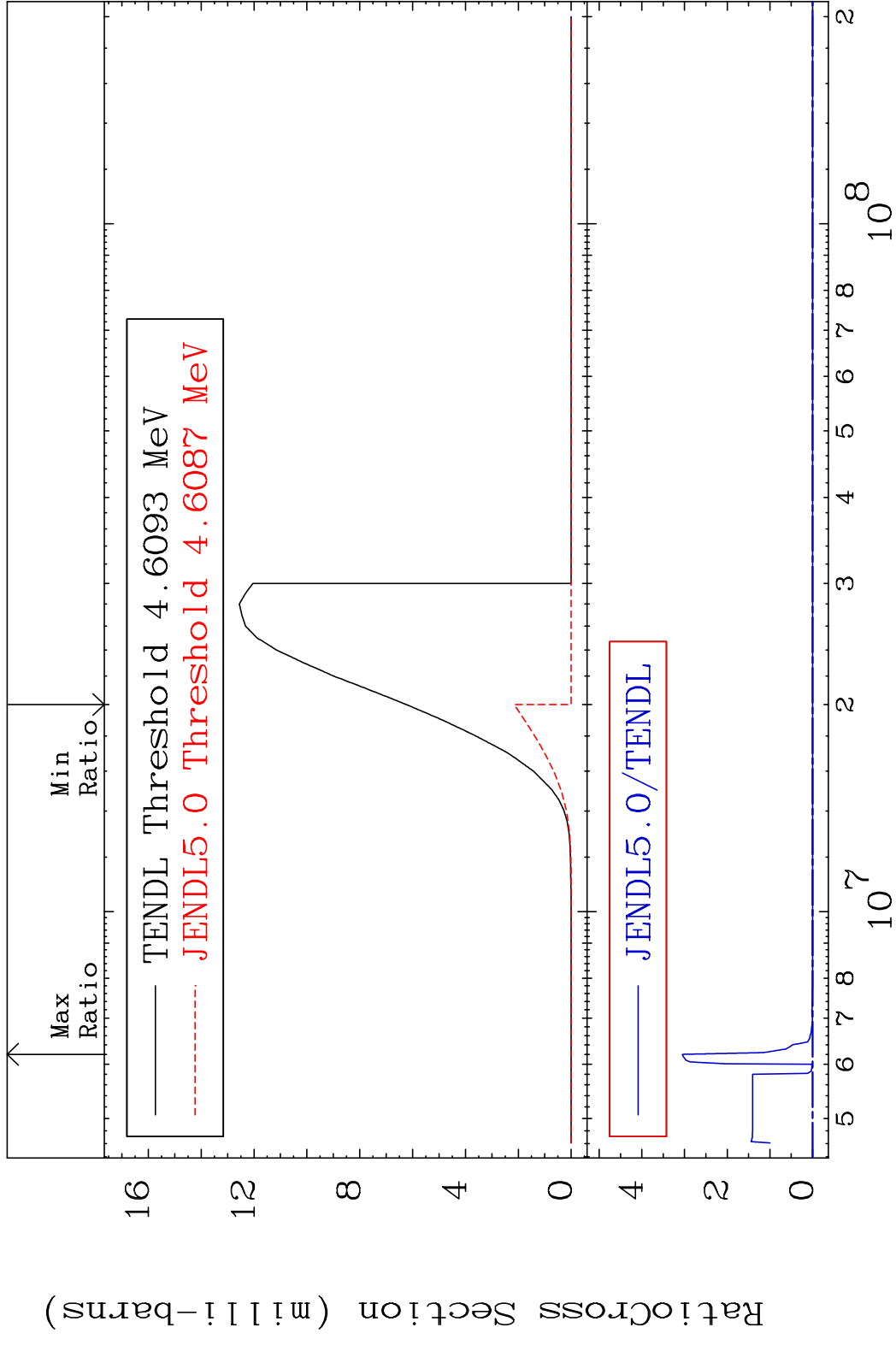


20

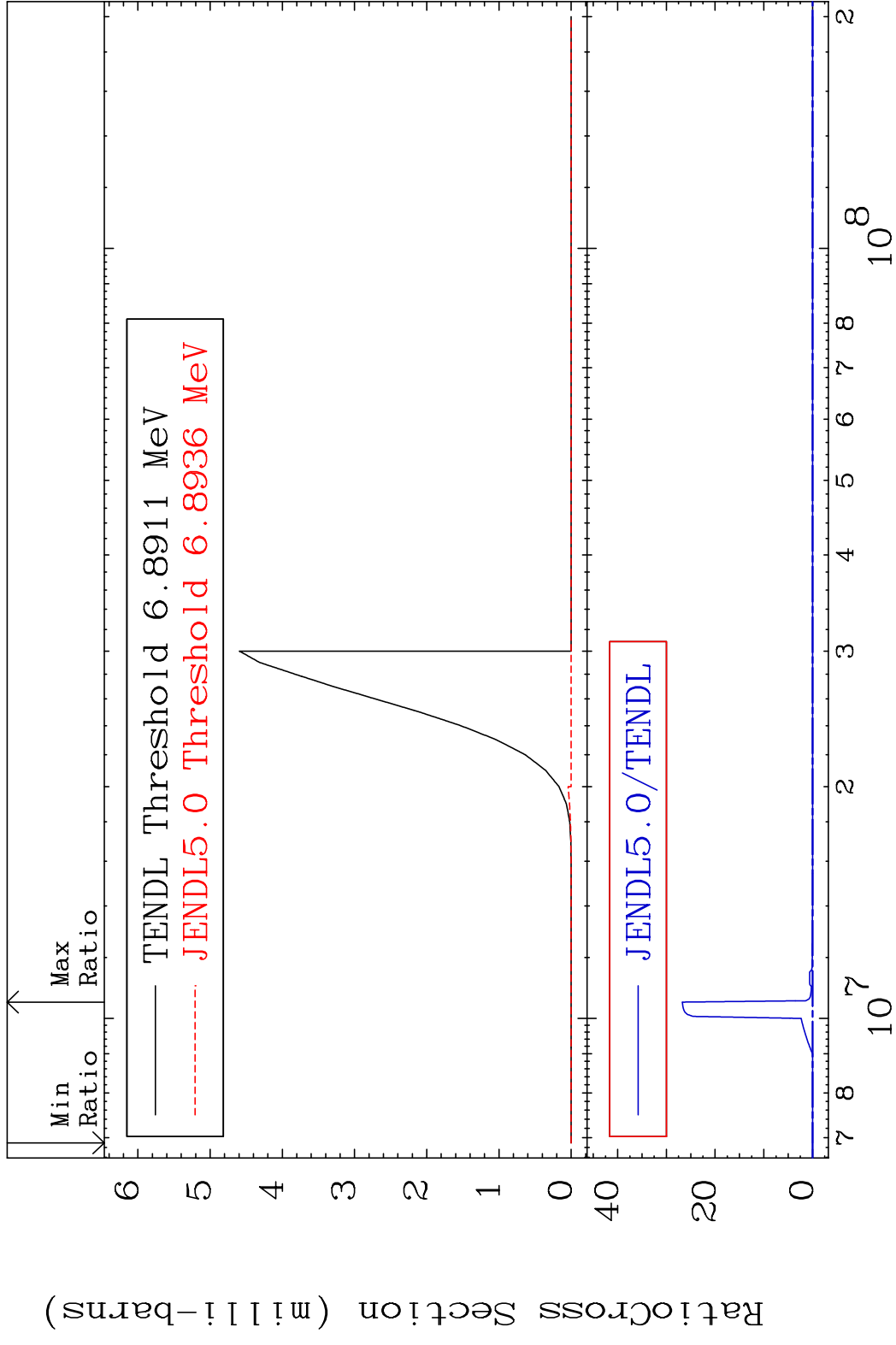
Incident Energy (eV)

41-Nb-92

MAT 4122 (n, t) 41-Nb-92  
 Cross Section -100.0 To 9999. %



MAT 4122 (n, He-3) 41-Nb-92  
 Cross Section -100.0 To 9999. %

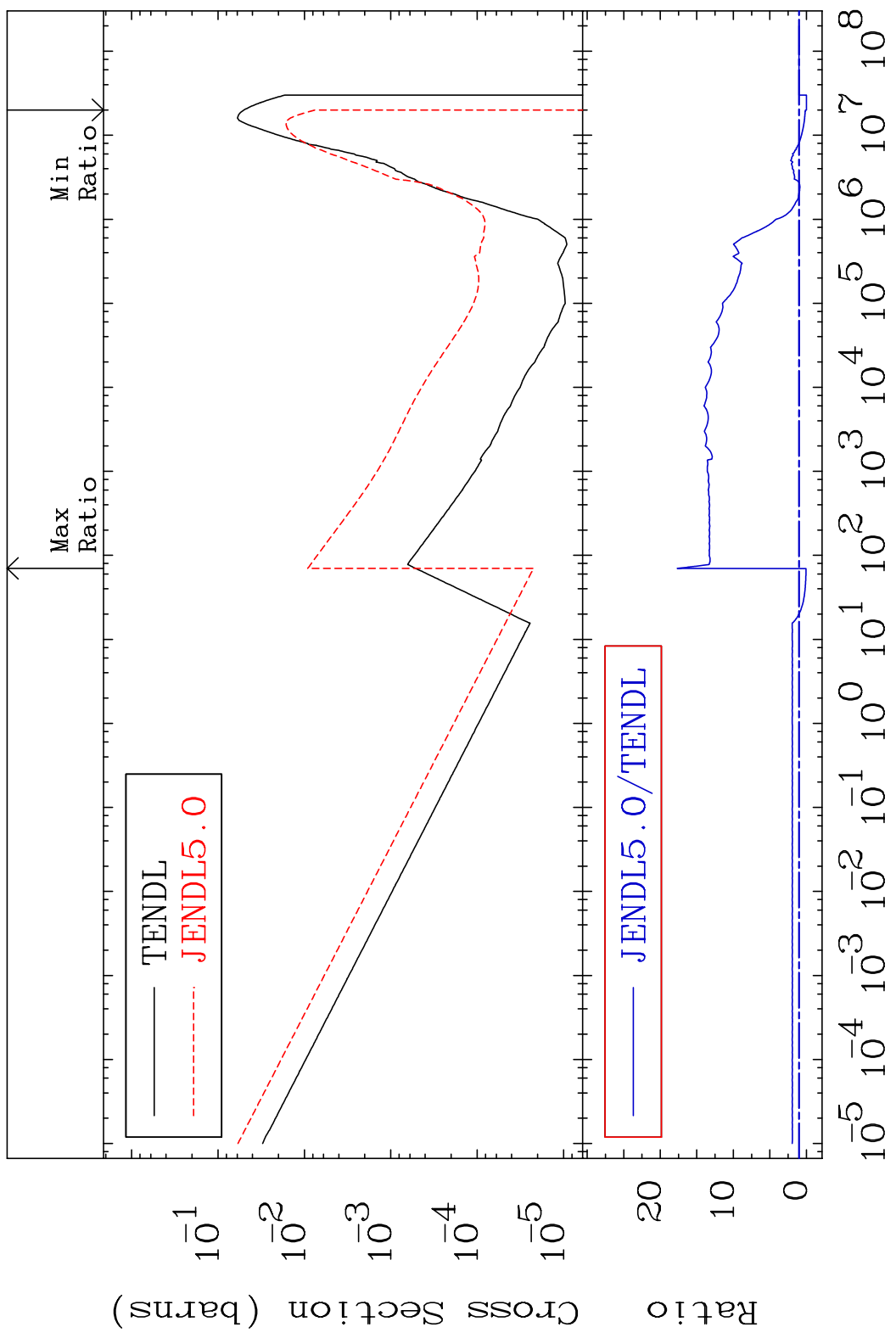


MAT 4122

(n,  $\alpha$ )

41-Nb-92

Cross Section -100.0 To 1668. %



23

Incident Energy (eV)

41-Nb-92

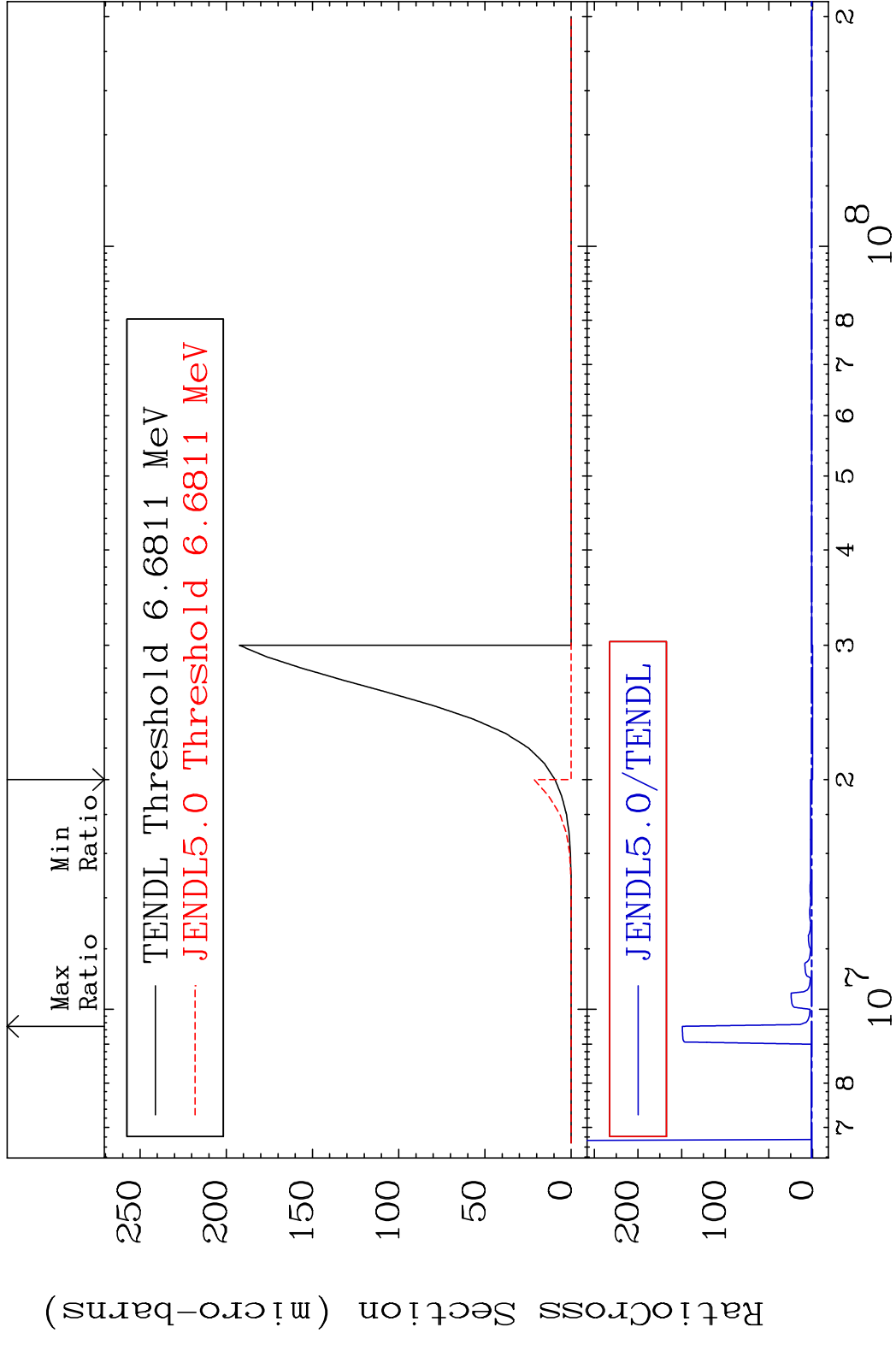


MAT 4122

(n,2p)

41-Nb-92

Cross Section -100.0 To 9999. %

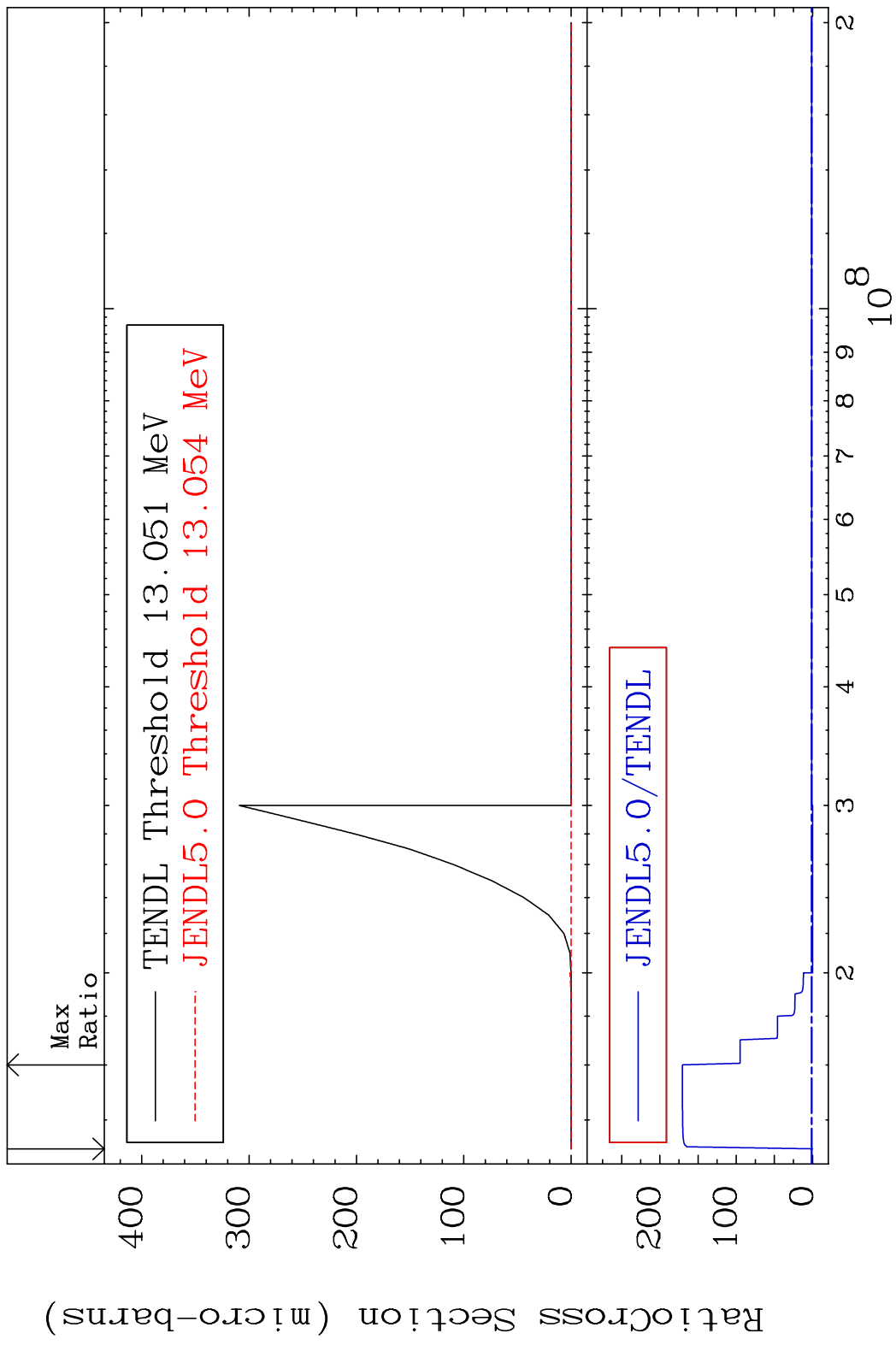


24

Incident Energy (eV)

41-Nb-92

MAT 4122 (n,p) t 41-Nb-92  
 Cross Section -100.0 To 9999. %



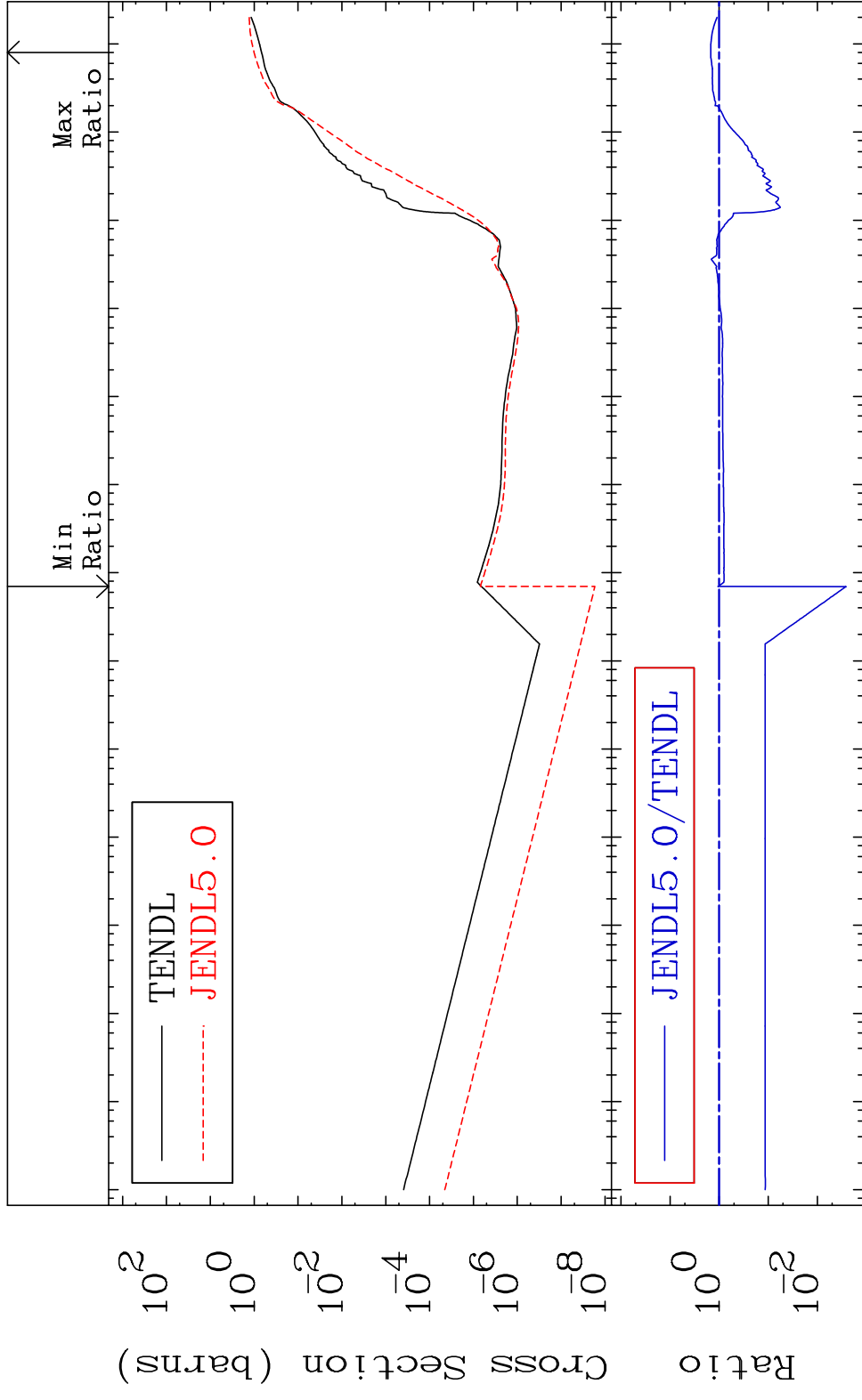
25 Incident Energy (eV) 41-Nb-92

MAT 4122

Hydrogen Production

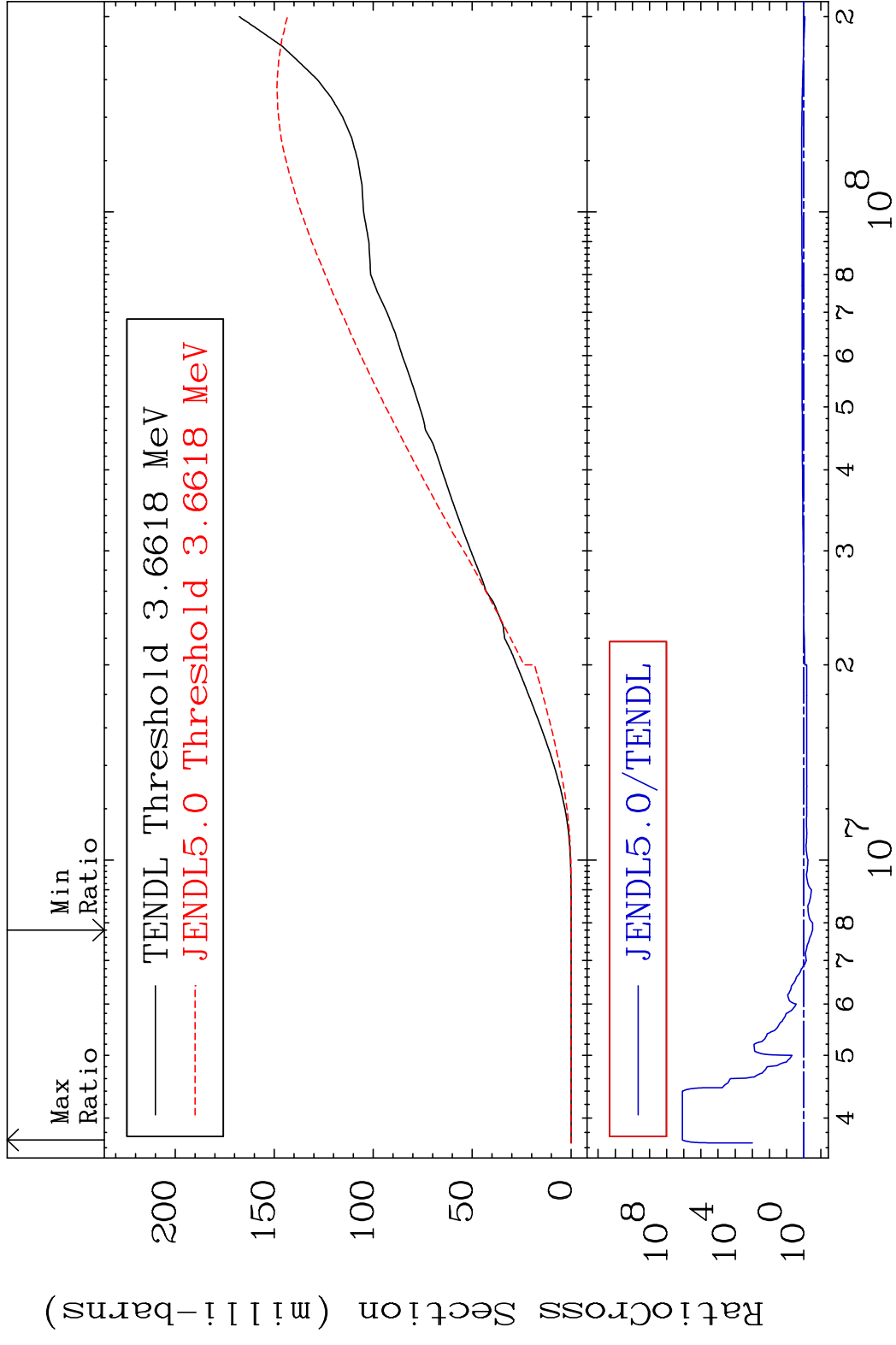
41-Nb-92

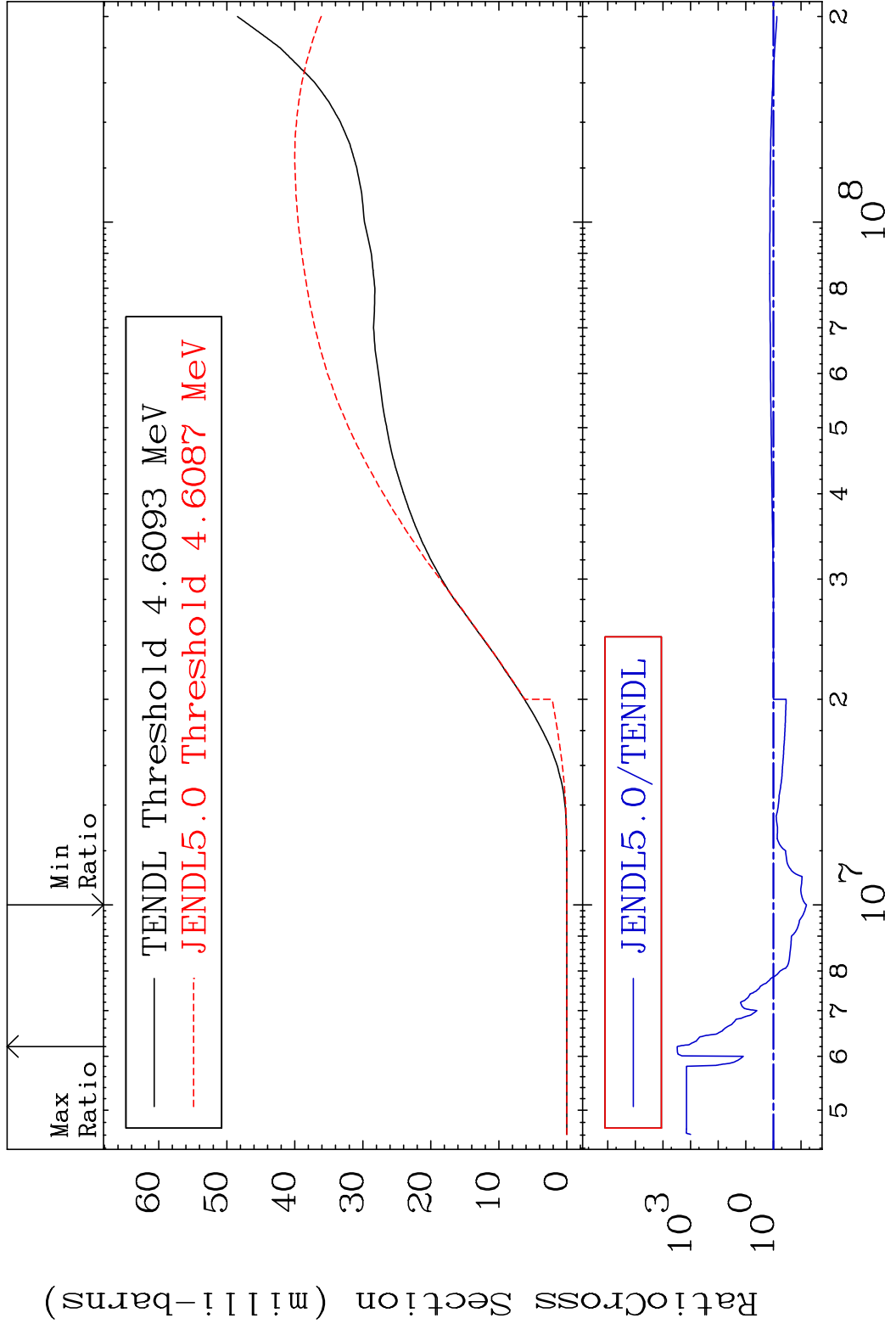
Cross Section -99.74 To 48.42 %



MAT 4122

Deuterium Production 41-Nb-92  
Cross Section -69.50 To 9999. %



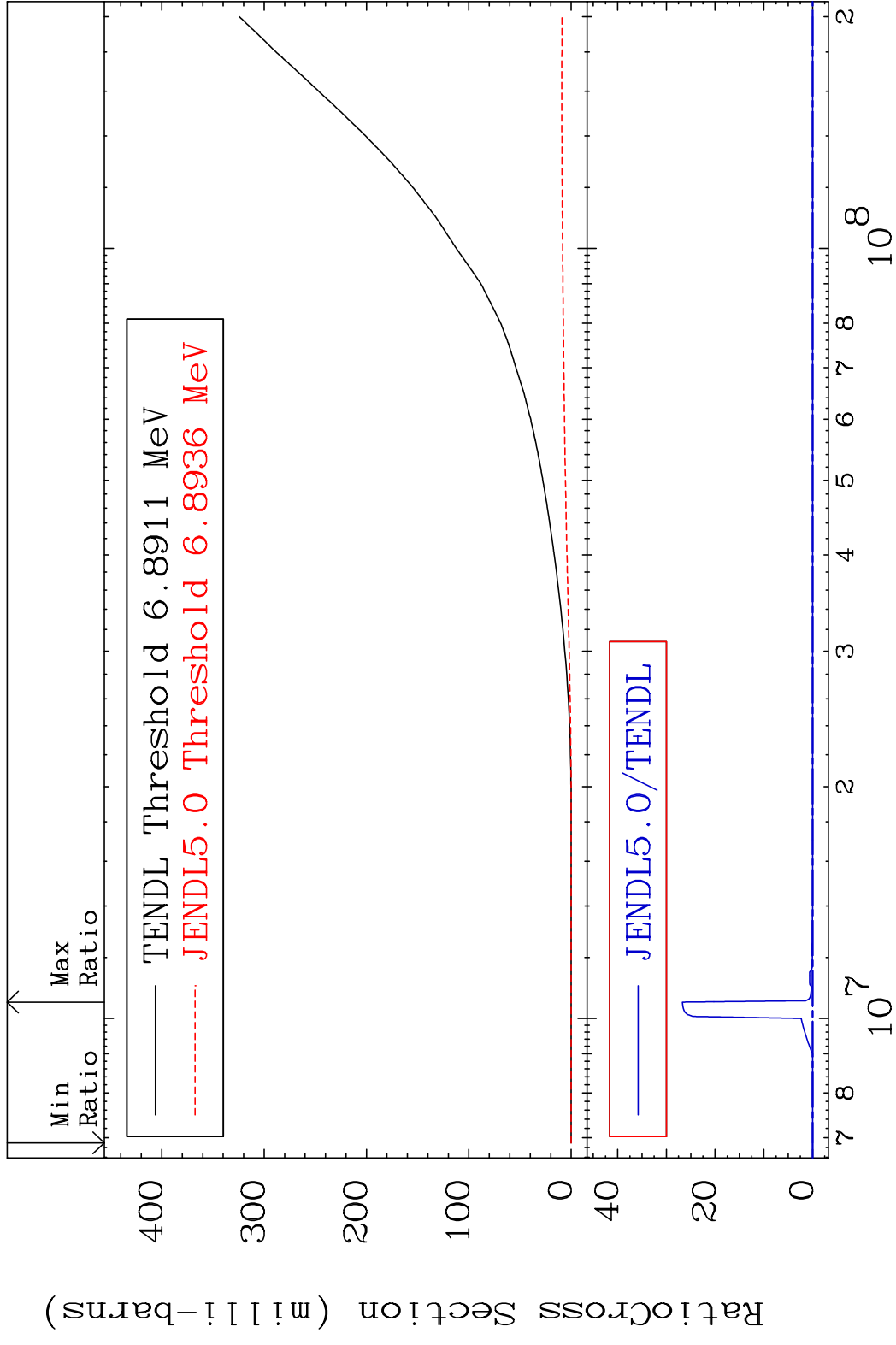


MAT 4122

He-3 Production

41-Nb-92

Cross Section -100.0 To 9999. %



29

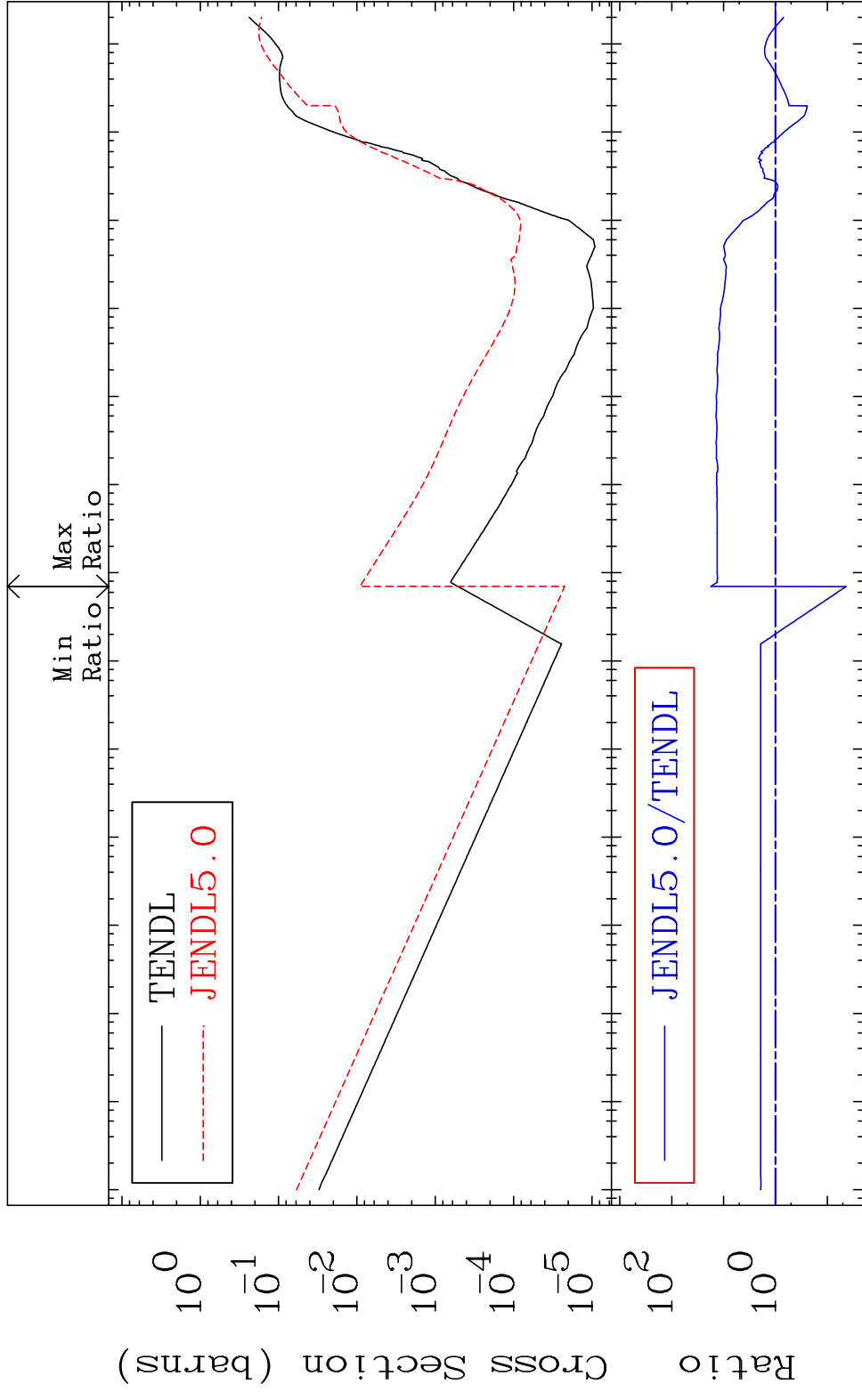
41-Nb-92

MAT 4122

He-4 Production

41-Nb-92

Cross Section -95.70 To 1668. %

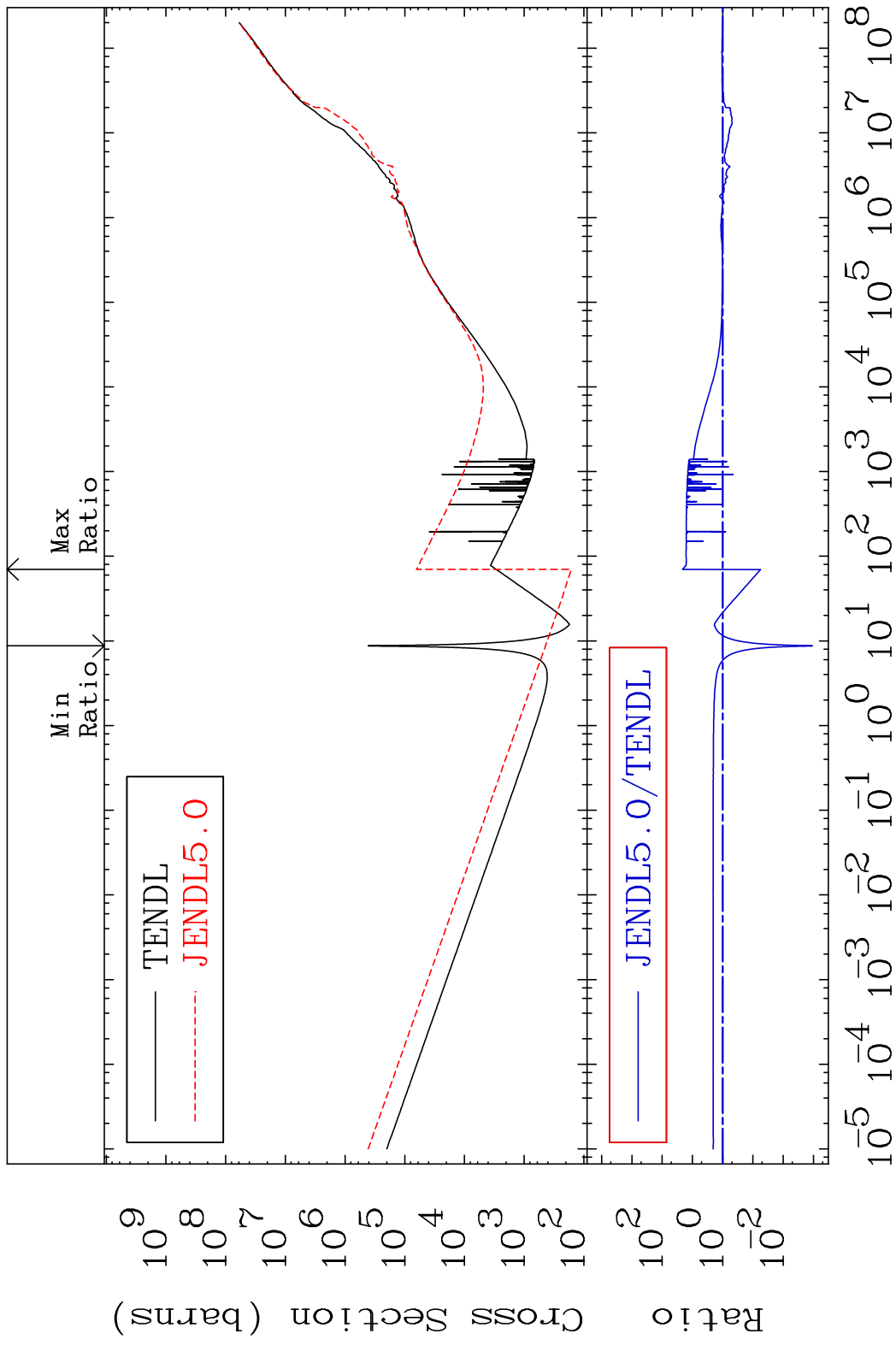


30

Incident Energy (eV)

41-Nb-92

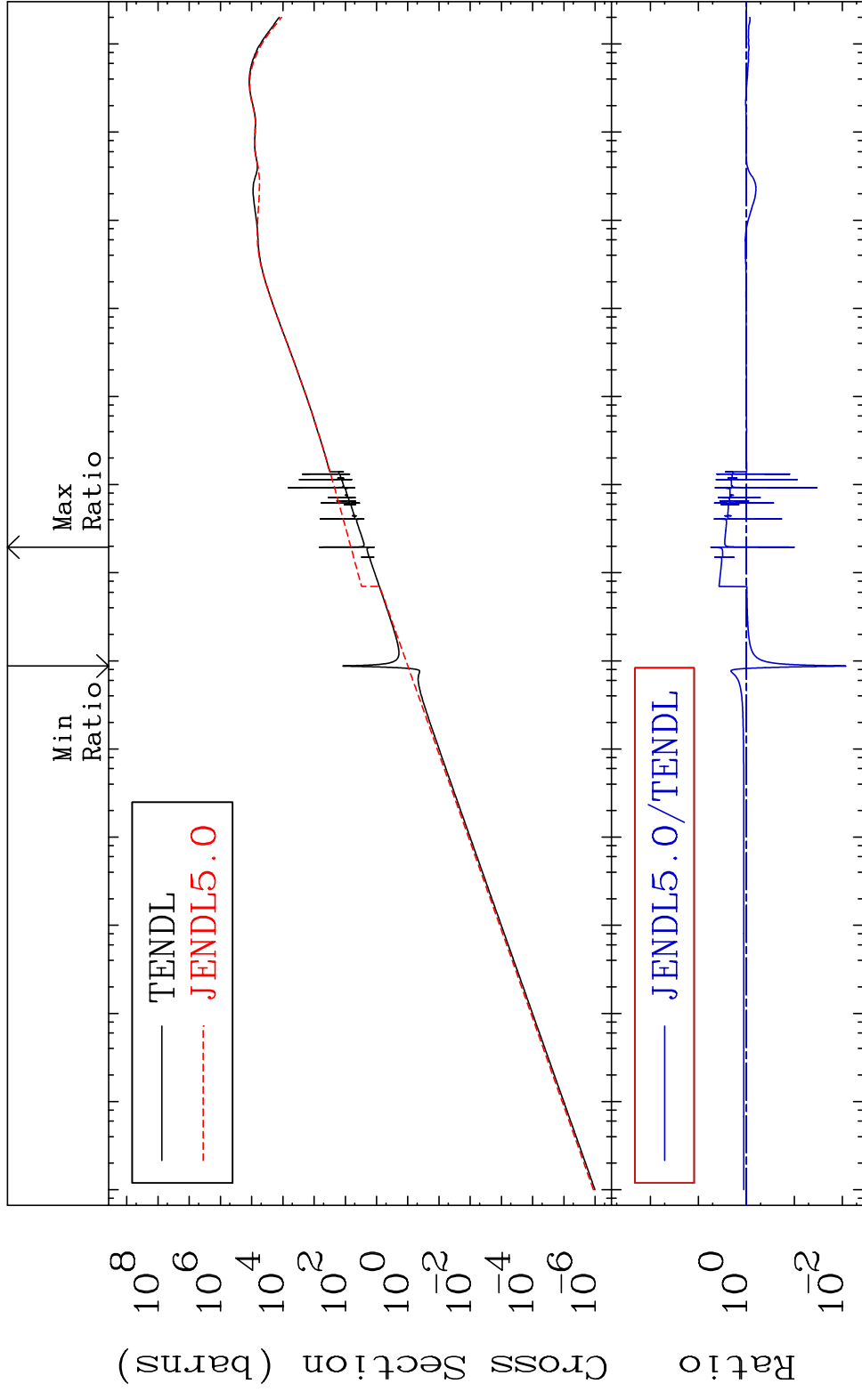
MAT 4122 Kerma total (eV-barns) 41-Nb-92  
 Cross Section -99.89 To 2052. %





MAT 4122

Kerma elastic Cross Section -99.18 To 450.8 %

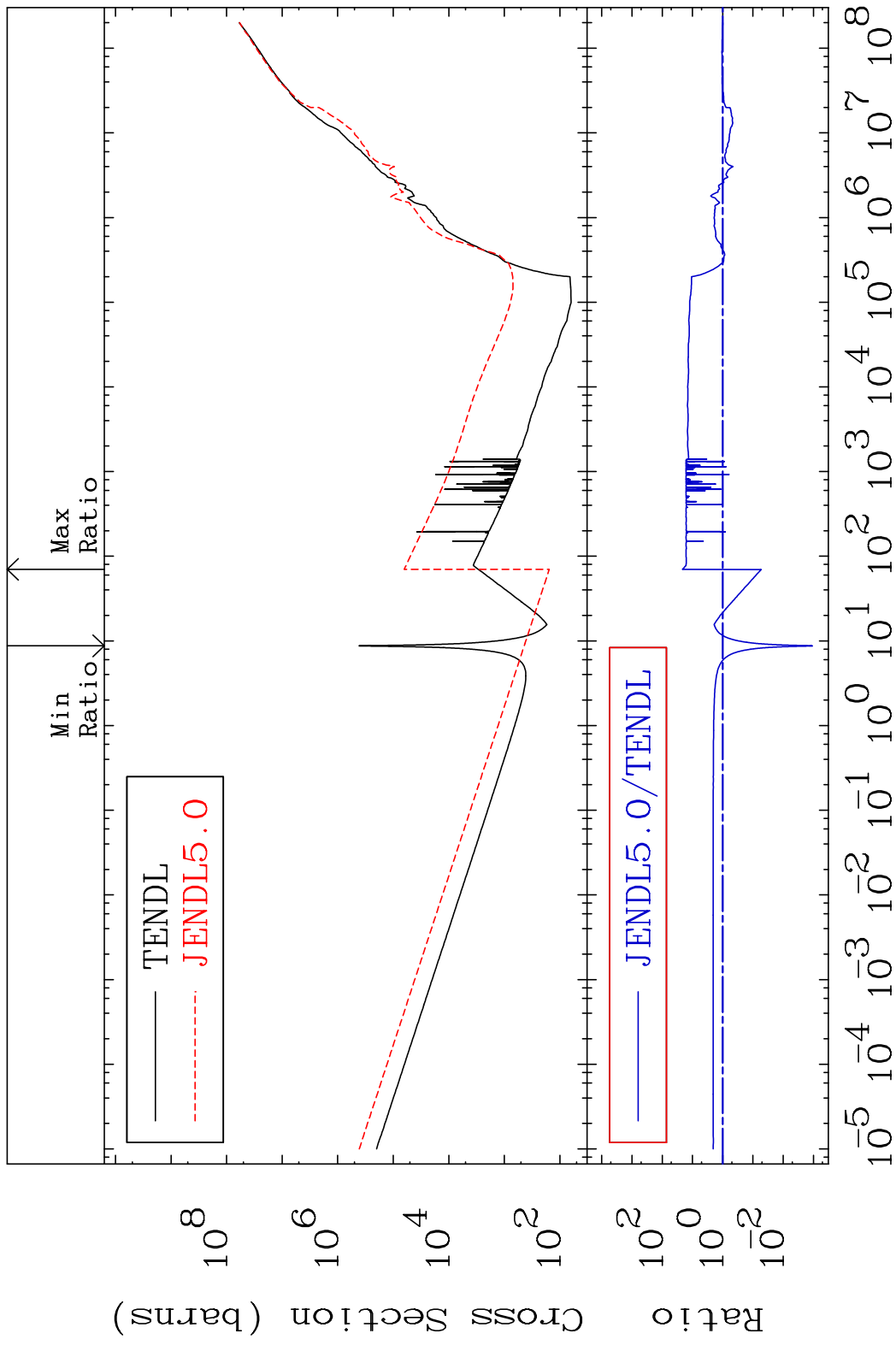


32

Incident Energy (eV)

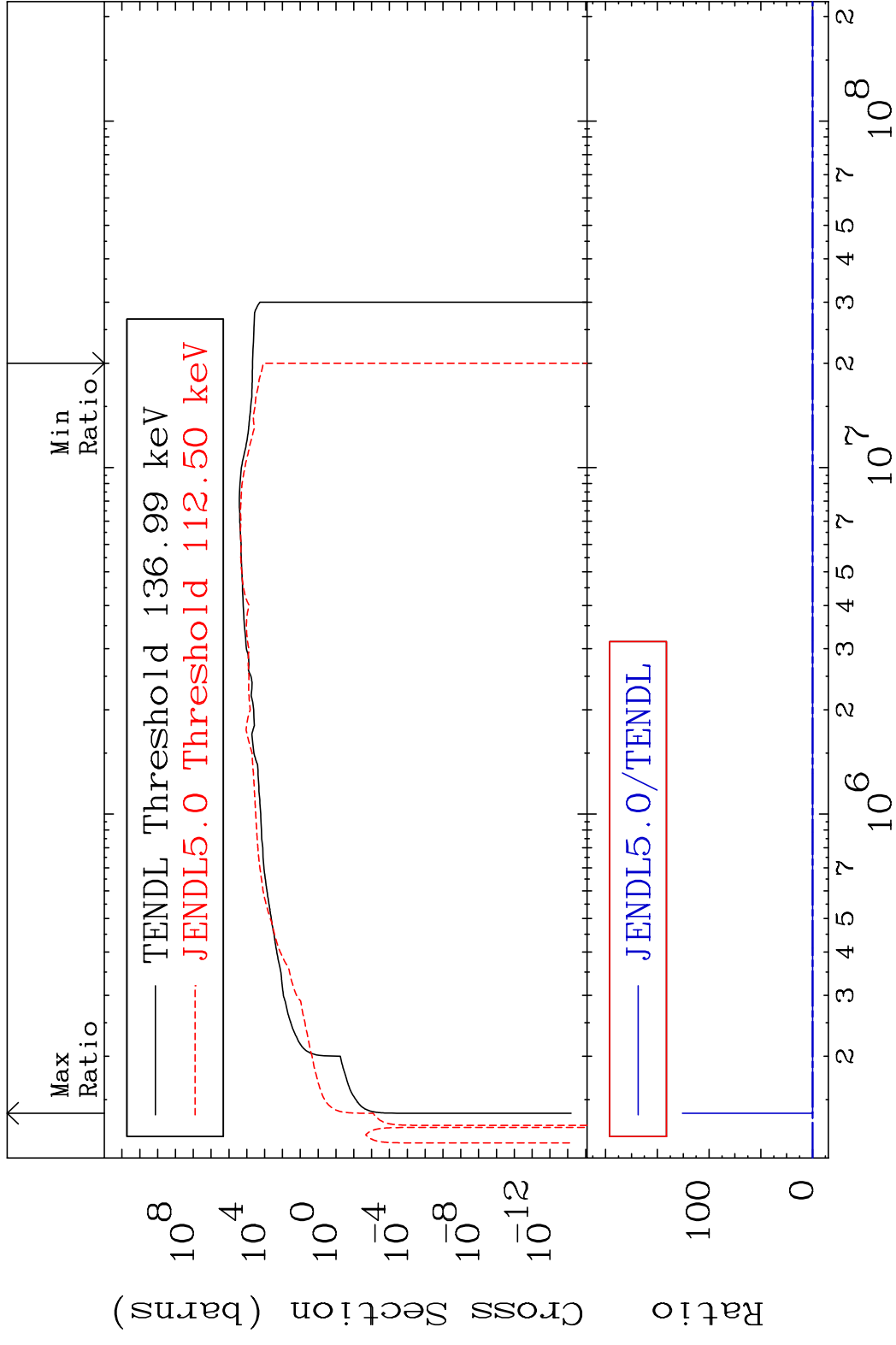
41-Nb-92

MAT 4122 Kerma non-elastic (all but mt2) 41-Nb-92  
 Cross Section -99.89 To 2057. %

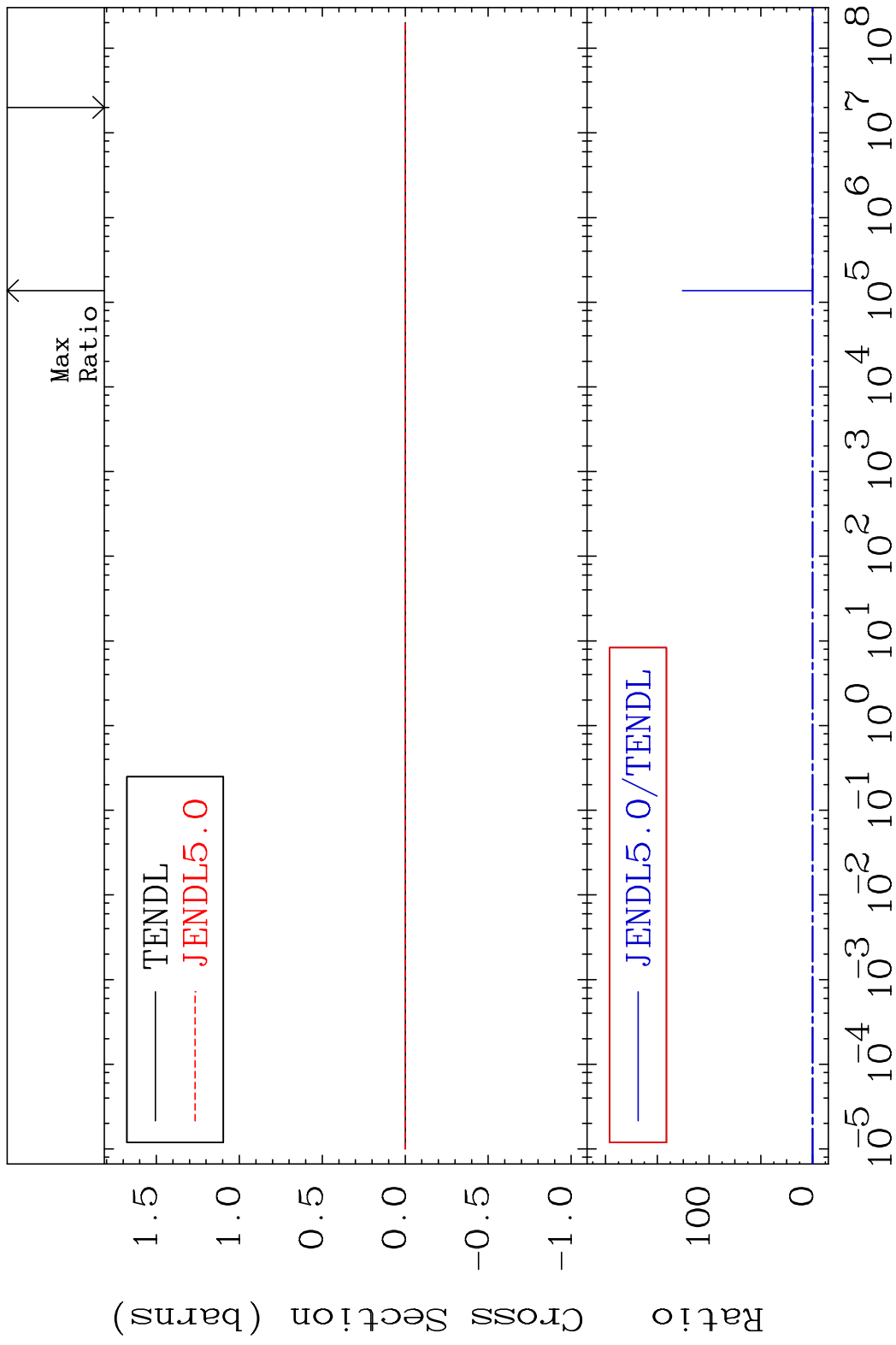


33 Incident Energy (eV) 41-Nb-92

MAT 4122 Kerma inelastic (mt51-91) 41-Nb-92  
 Cross Section -100.0 To 9999. %



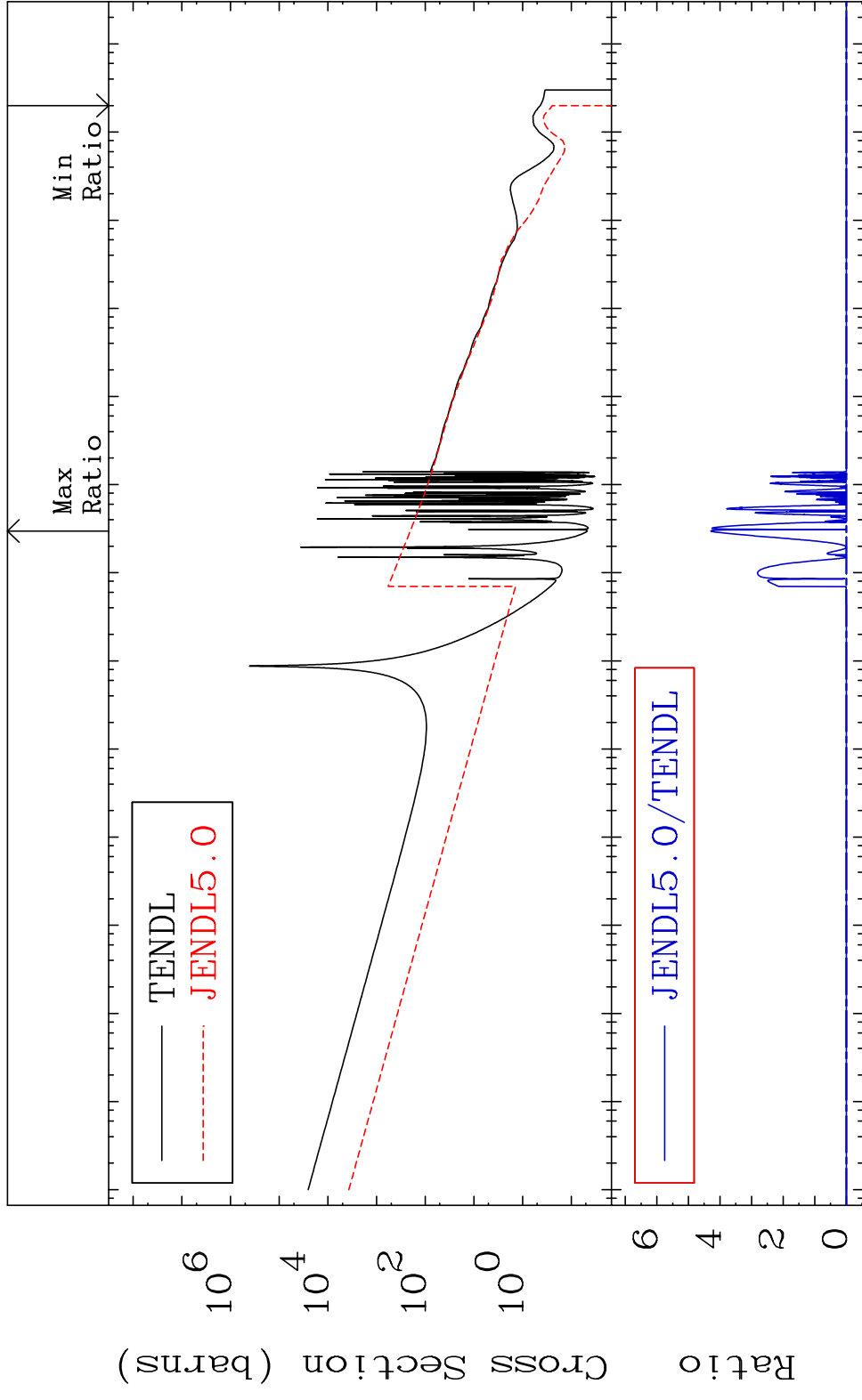
MAT 4122 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-92  
 Cross Section -100.0 To 9999. %



MAT 4122

Kerma capture (mt102) 41-Nb-92

Cross Section -100.0 To 9999. %

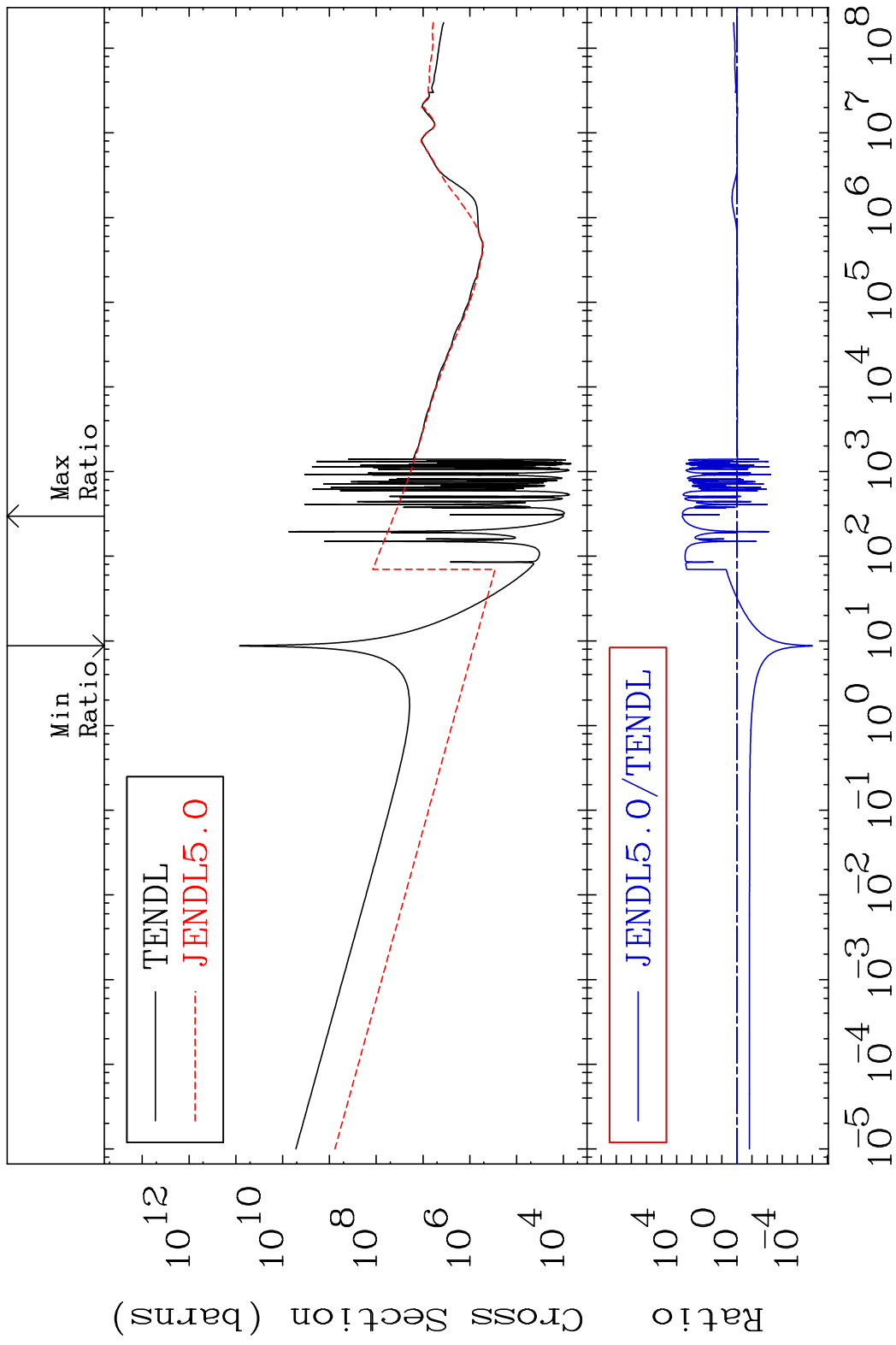


36

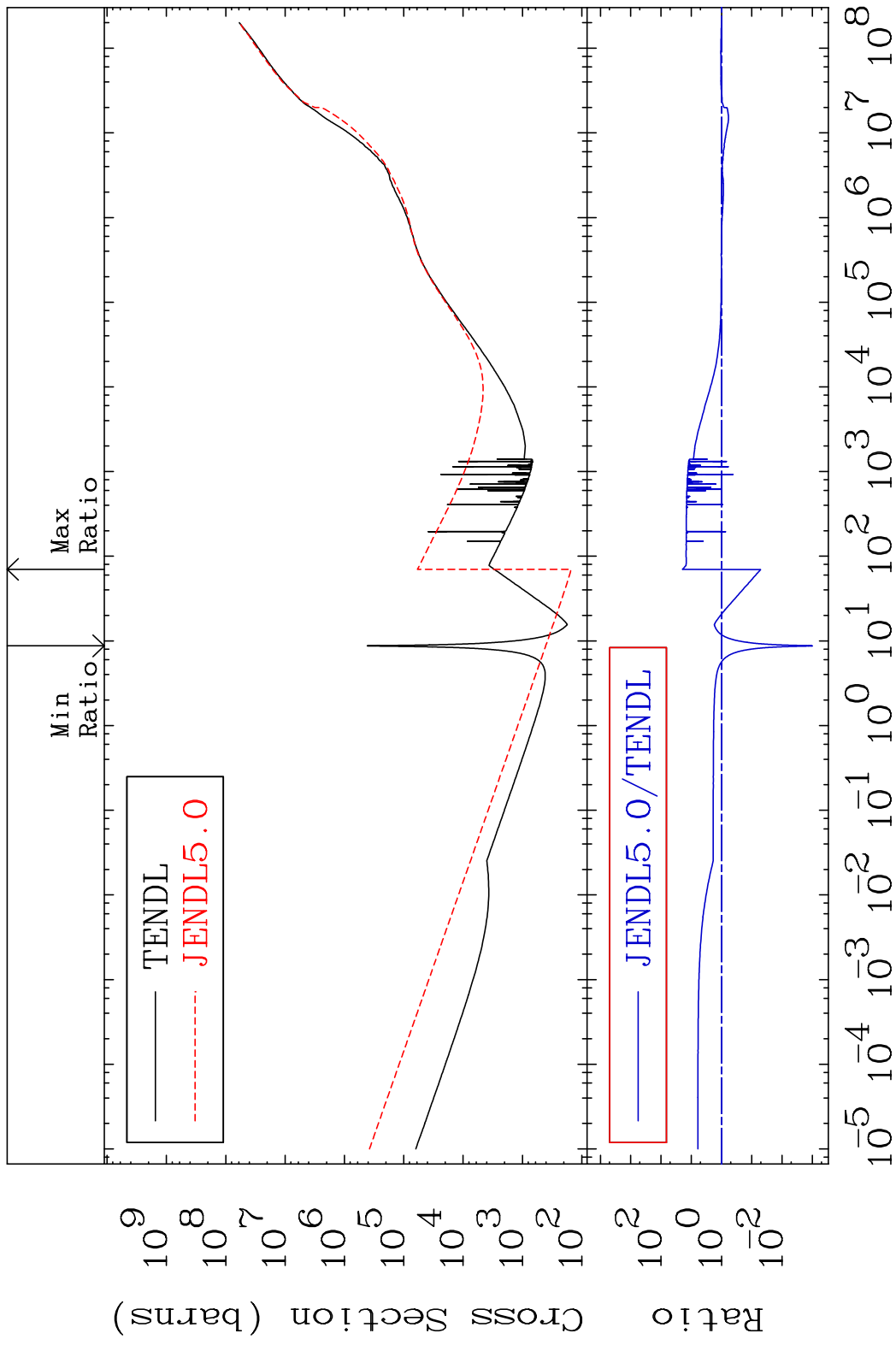
Incident Energy (eV)

41-Nb-92

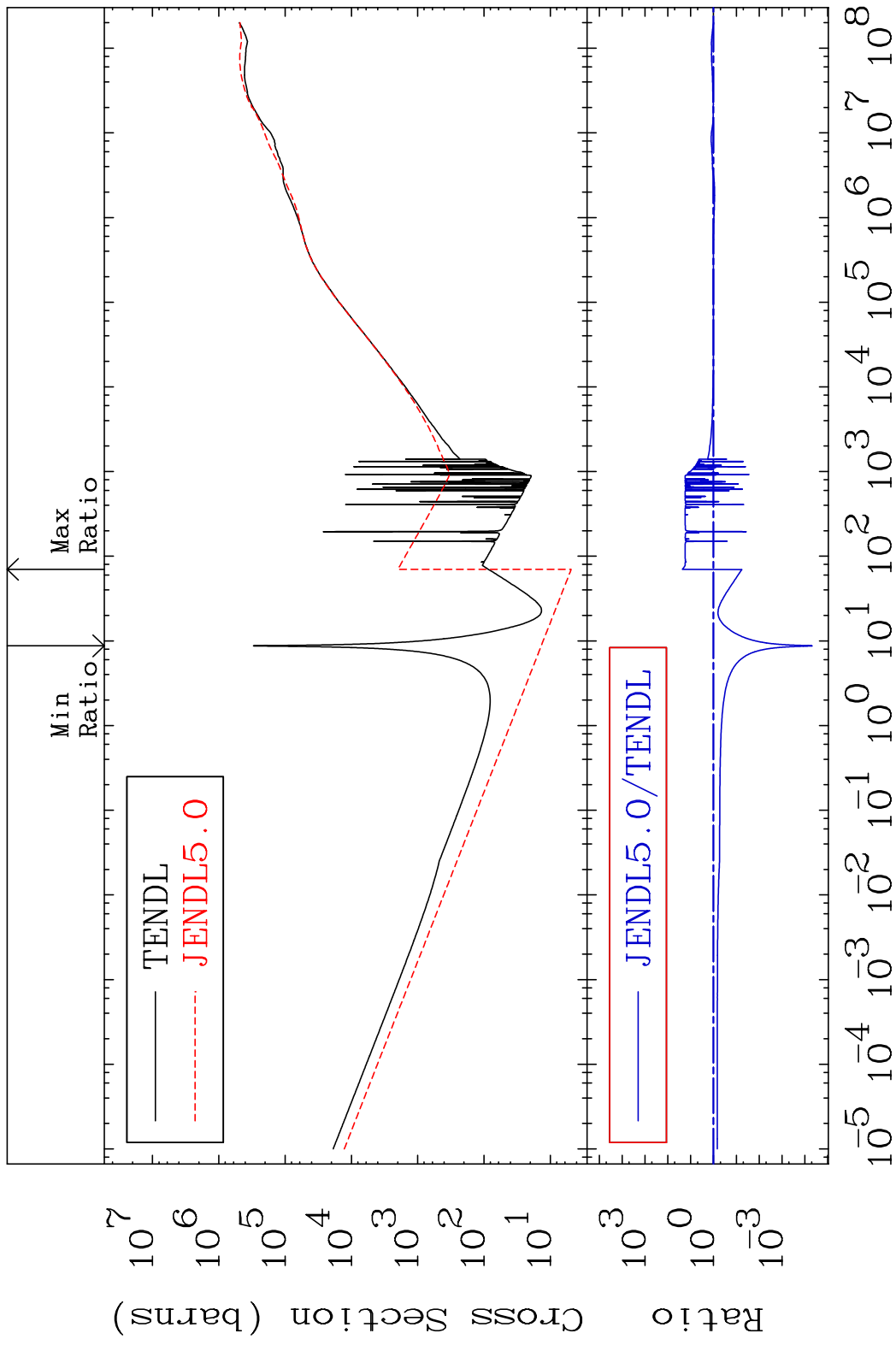
MAT 4122 Total photon (eV-barns) 41-Nb-92  
 Cross Section -100.0 To 9999. %



MAT 4122 Total kinematic kerma (high limit) 41-Nb-92  
 Cross Section -99.90 To 1867. %



MAT 4122 Dpa total (eV-barns) 41-Nb-92  
 Cross Section -100.0 To 2218. %



39 Incident Energy (eV) 41-Nb-92

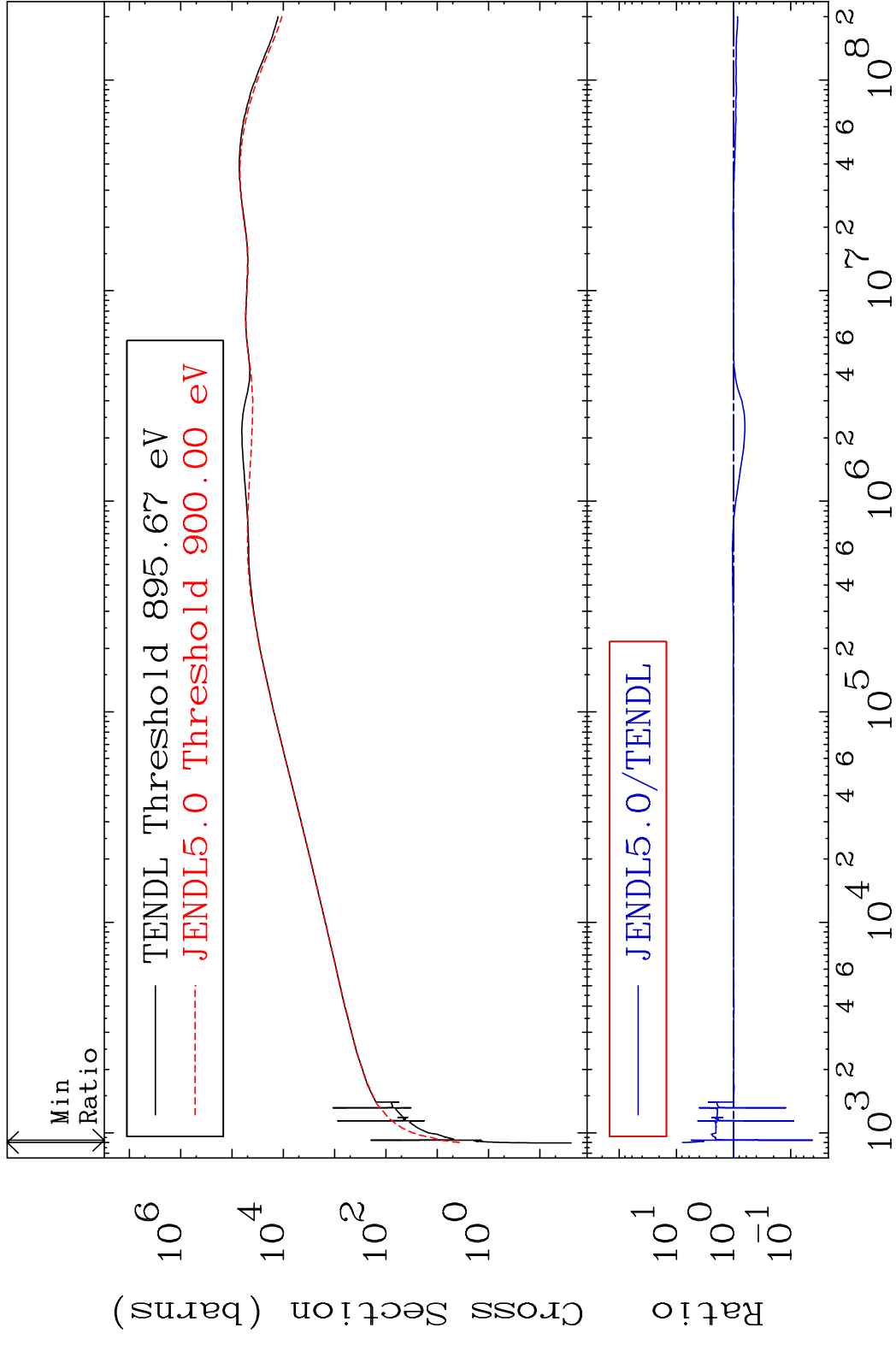


MAT 4122

Dpa elastic (mt2)

41-Nb-92

Cross Section -95.85 To 687.6 %

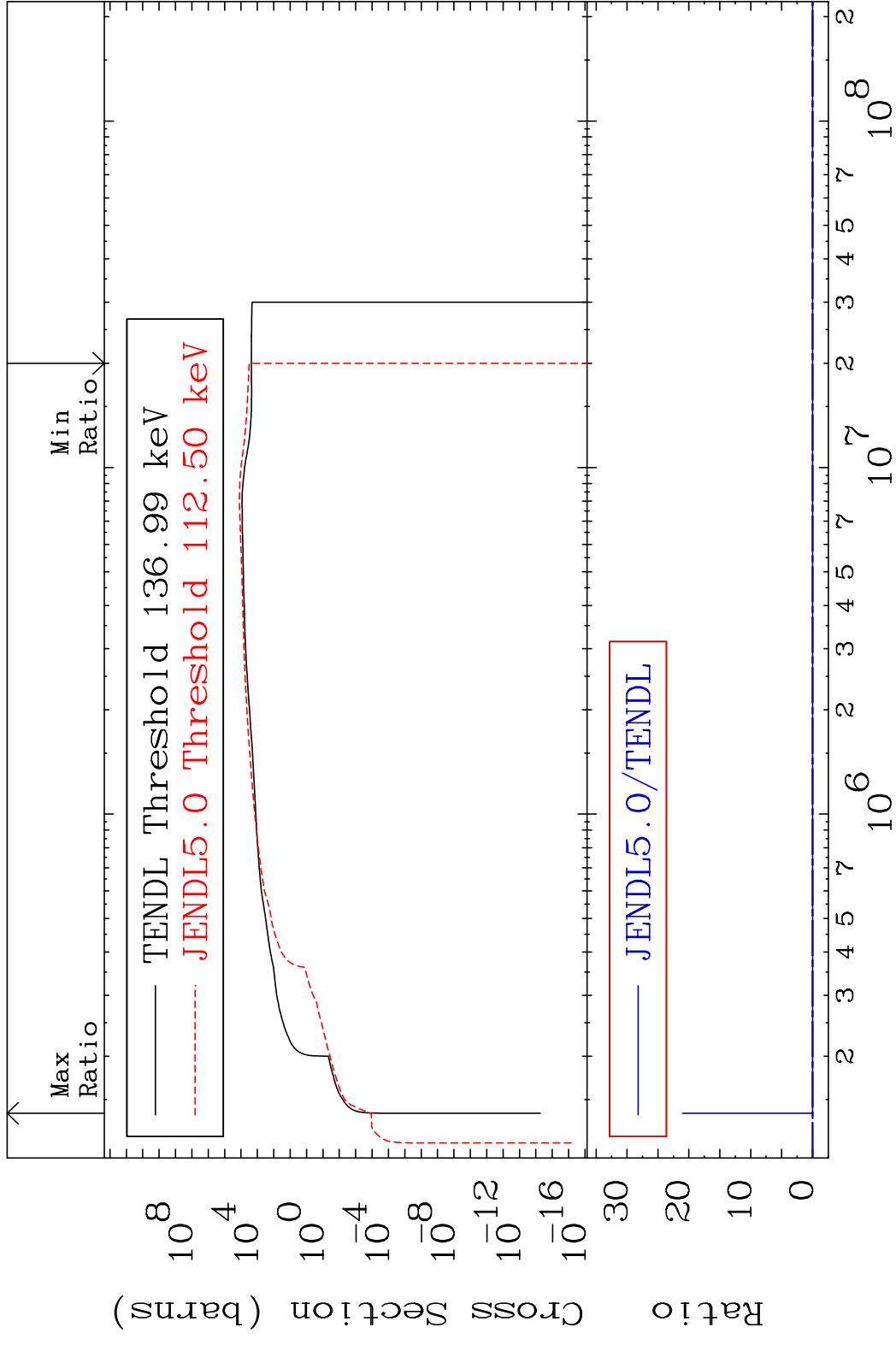


40

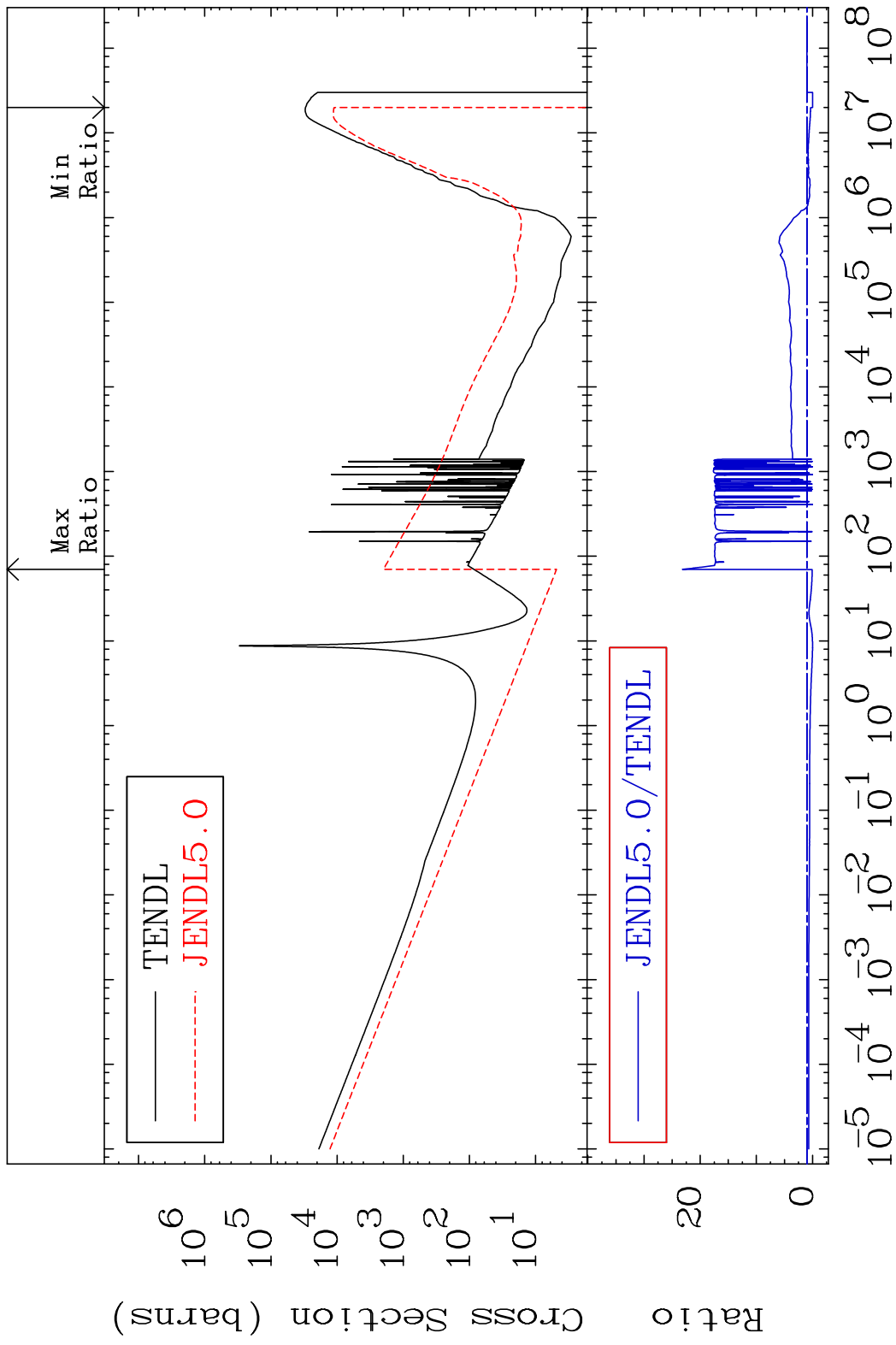
Incident Energy (eV)

41-Nb-92

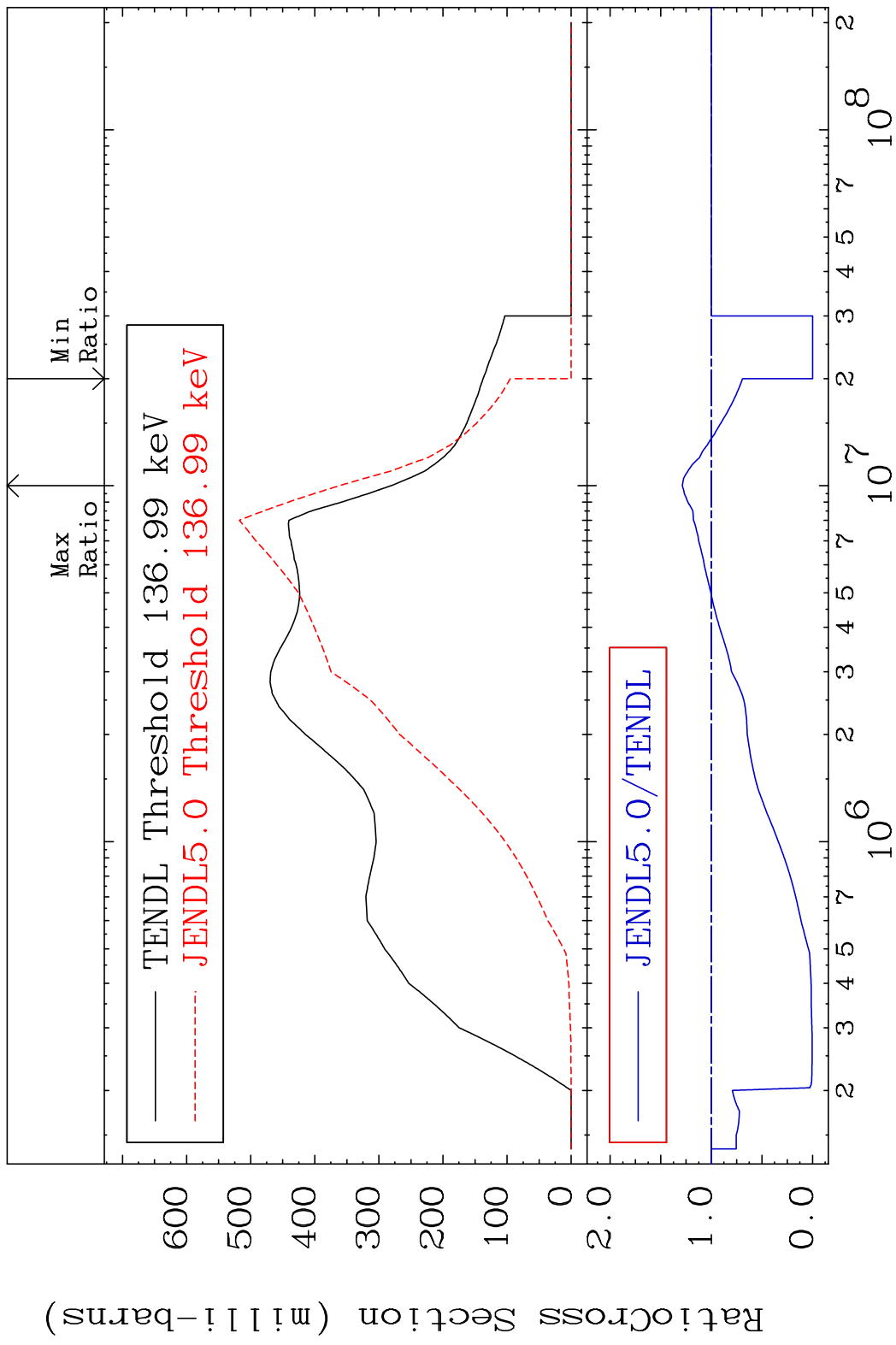
MAT 4122      Dpa inelastic (mt51-91)      41-Nb-92  
 Cross Section      -100.0 To 9999. %



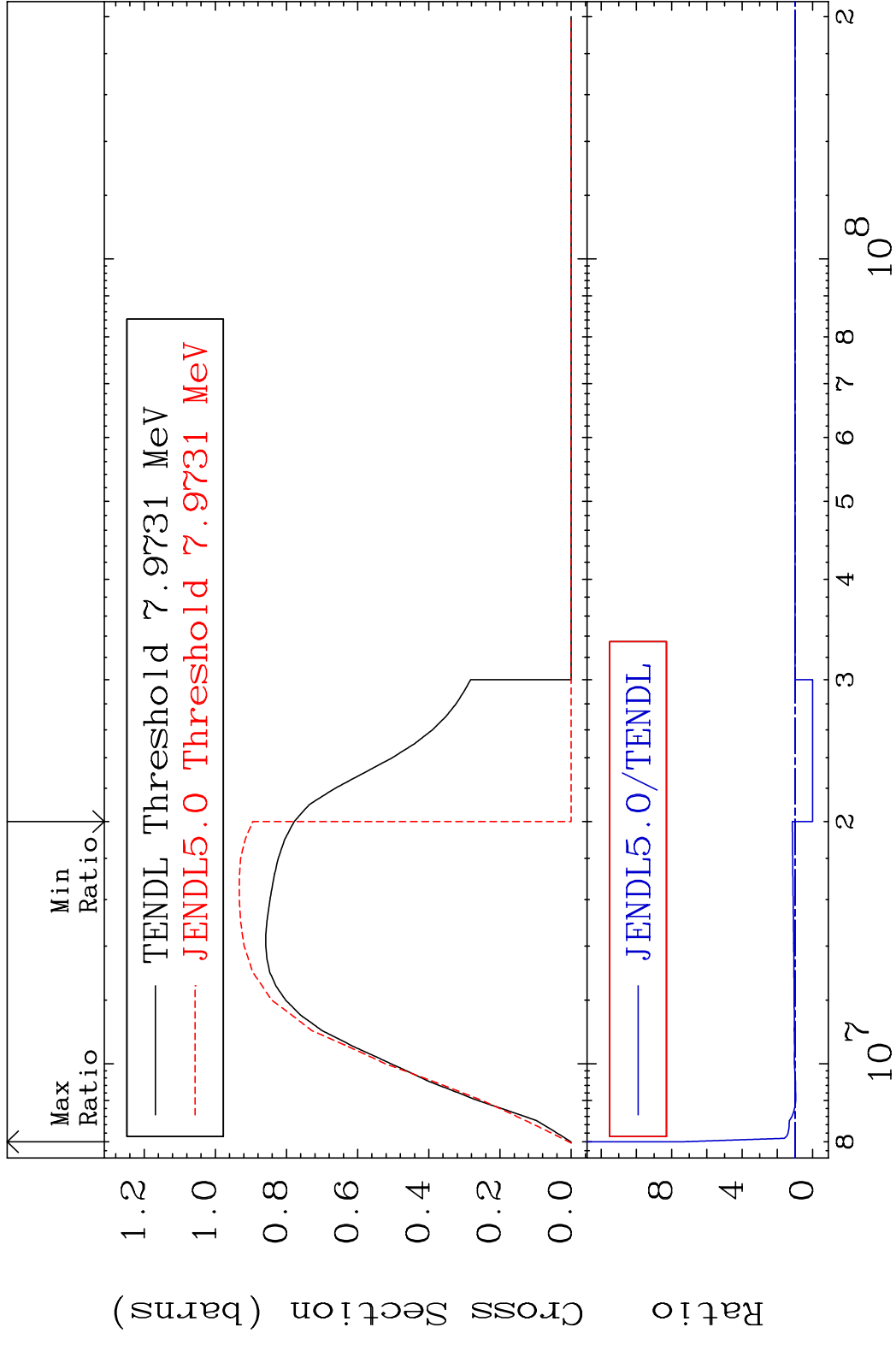
MAT 4122 Dpa disappearance (mt102 -120) 41-Nb-92  
 Cross Section -100.0 To 2218. %



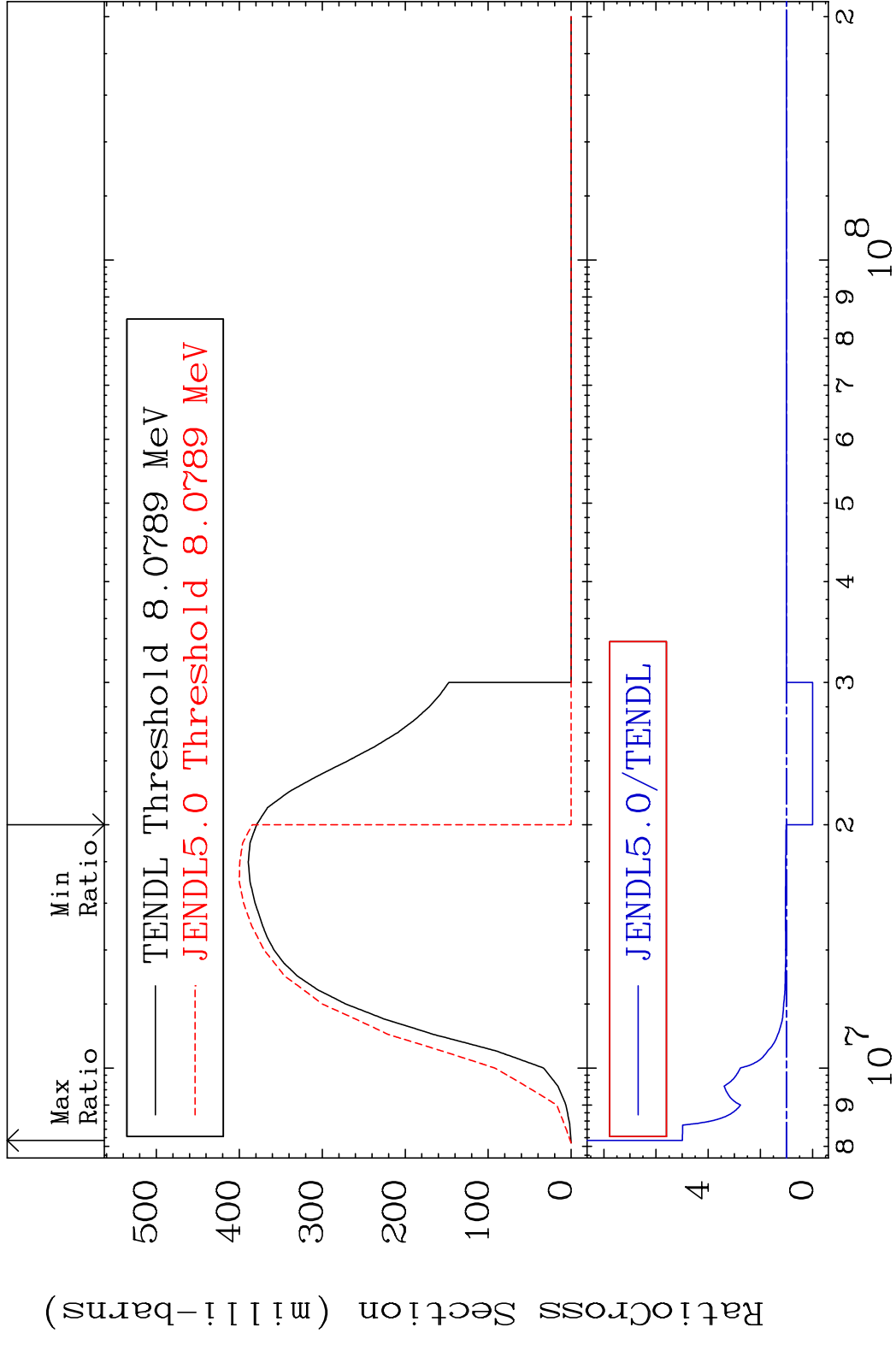
42 Incident Energy (eV) 41-Nb-92



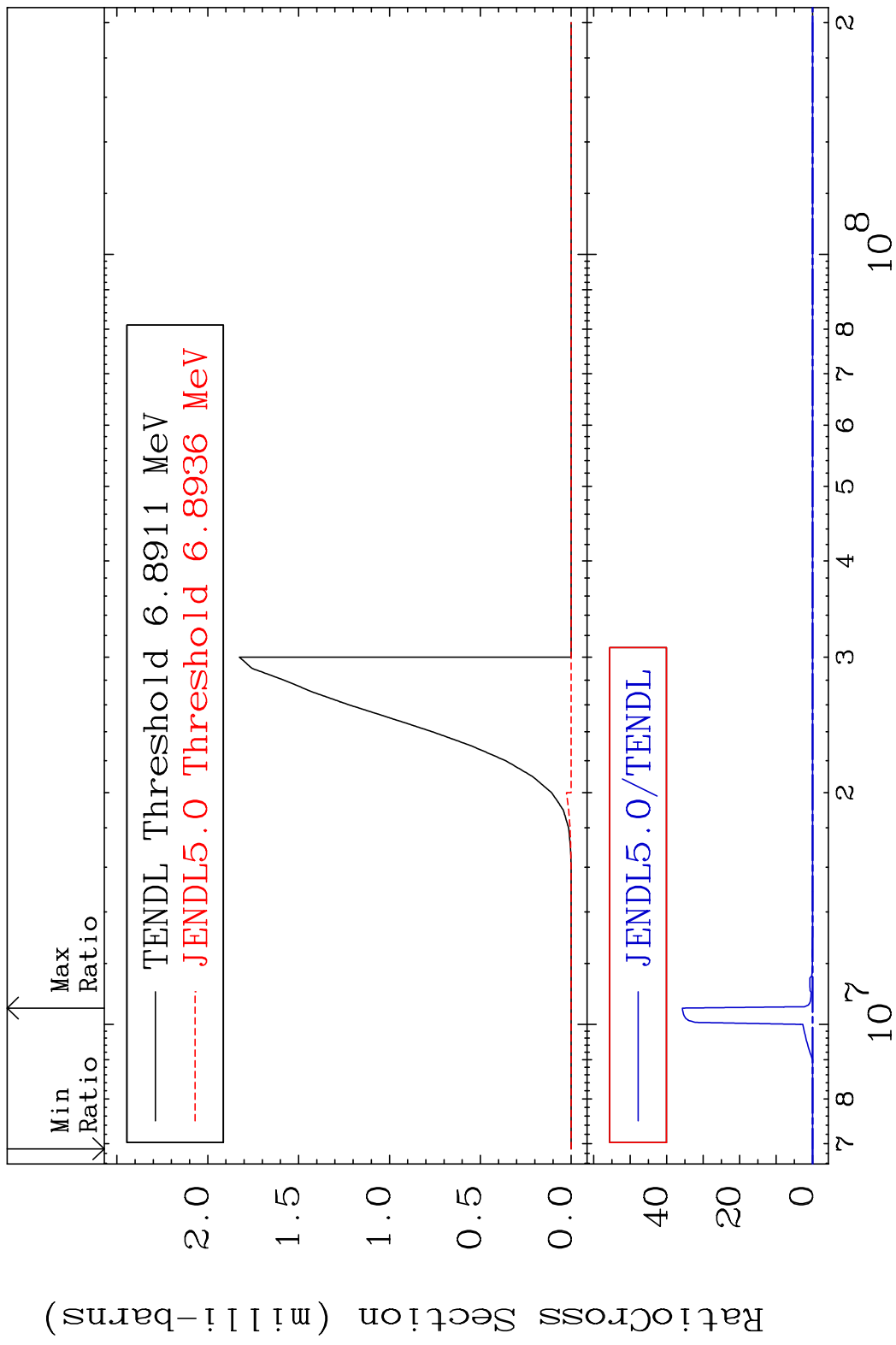
MAT 4122 (n,2n):41-Nb-91g 41-Nb-92  
 Radionuclide Production Cross Section 639.2 %

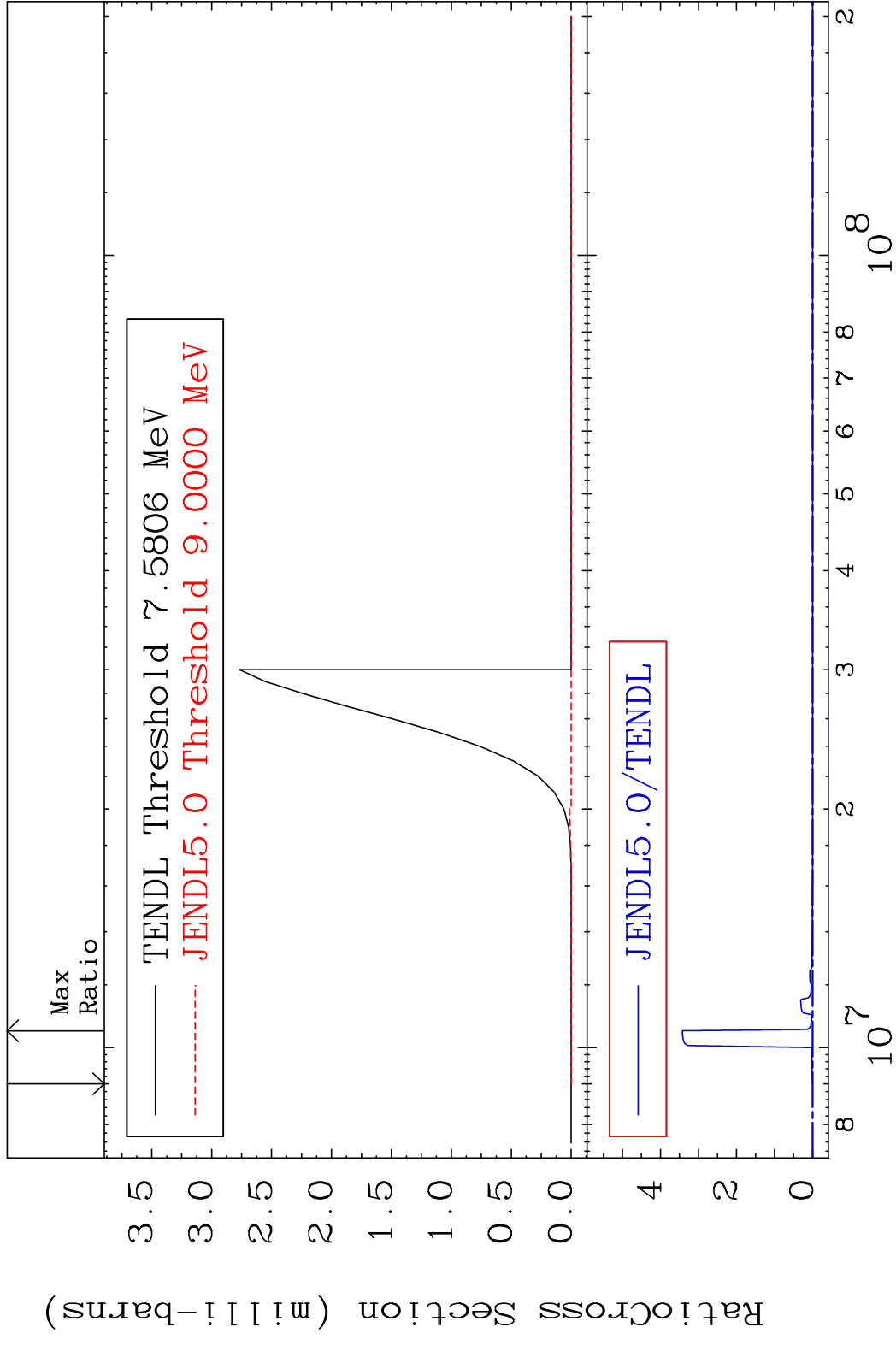


MAT 4122 (n,2n):41-Nb-91m1 41-Nb-92  
 Radionuclide Production Cross Section 399.1 %

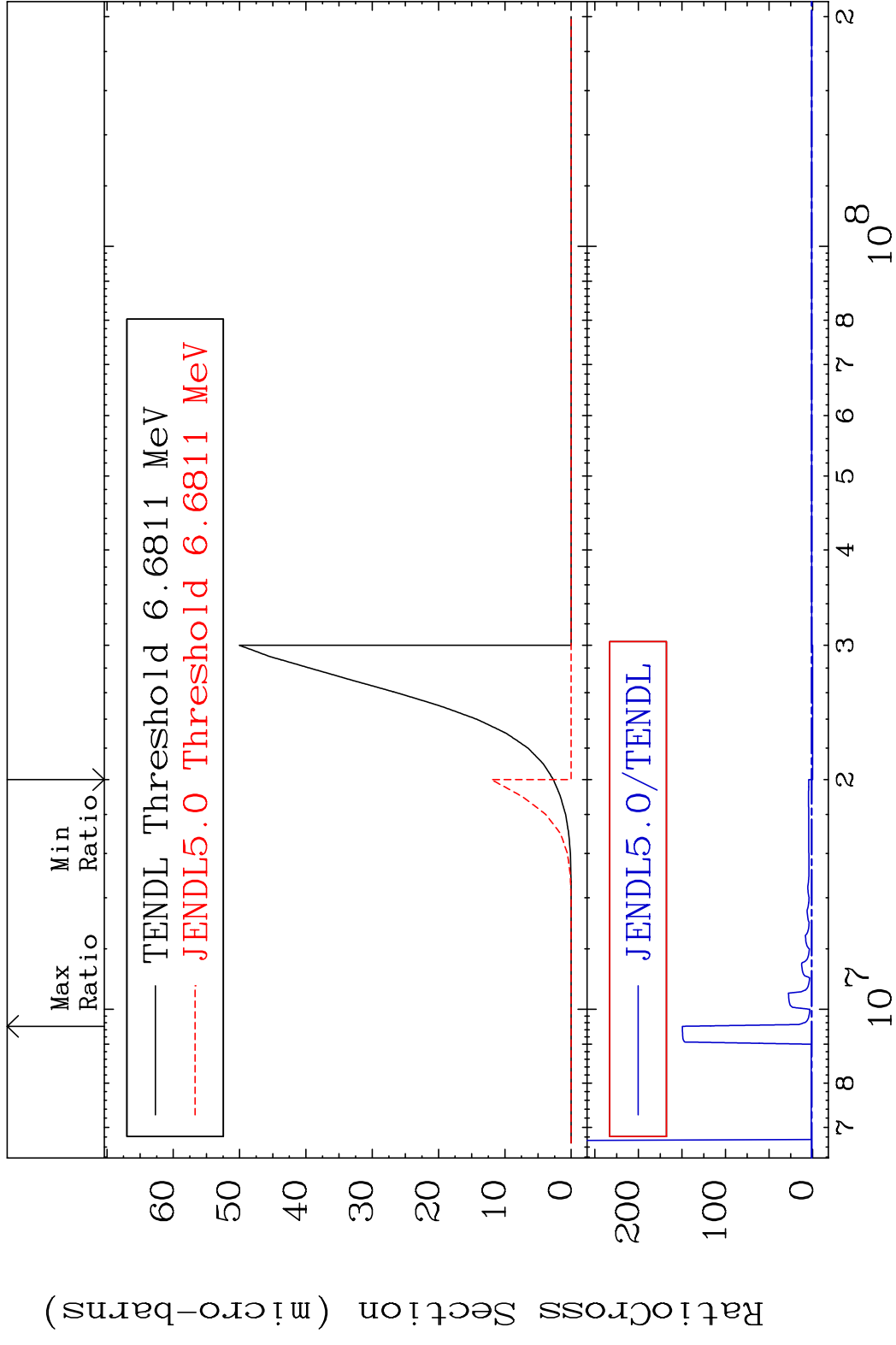


45 Incident Energy (eV) 41-Nb-92

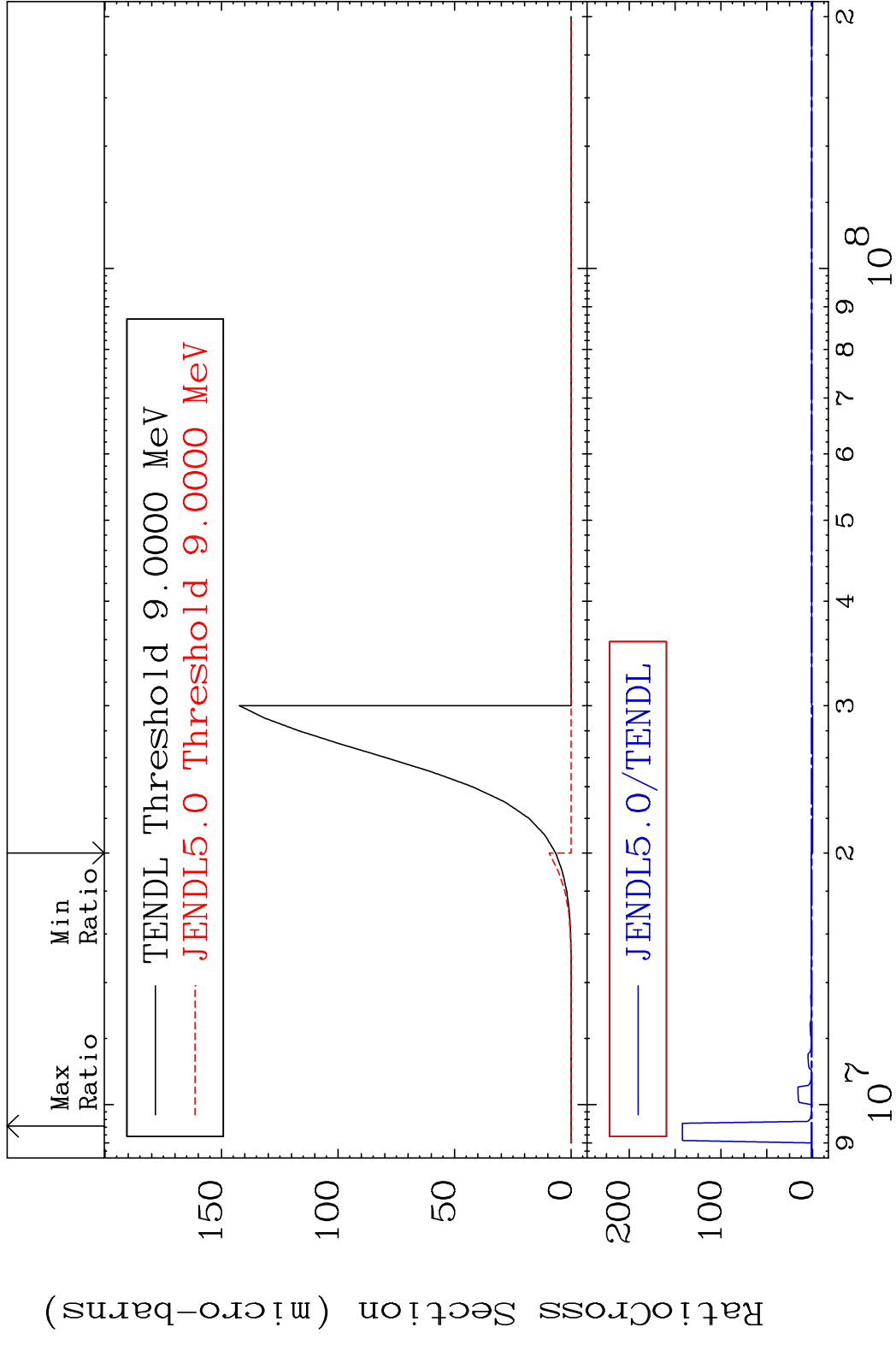




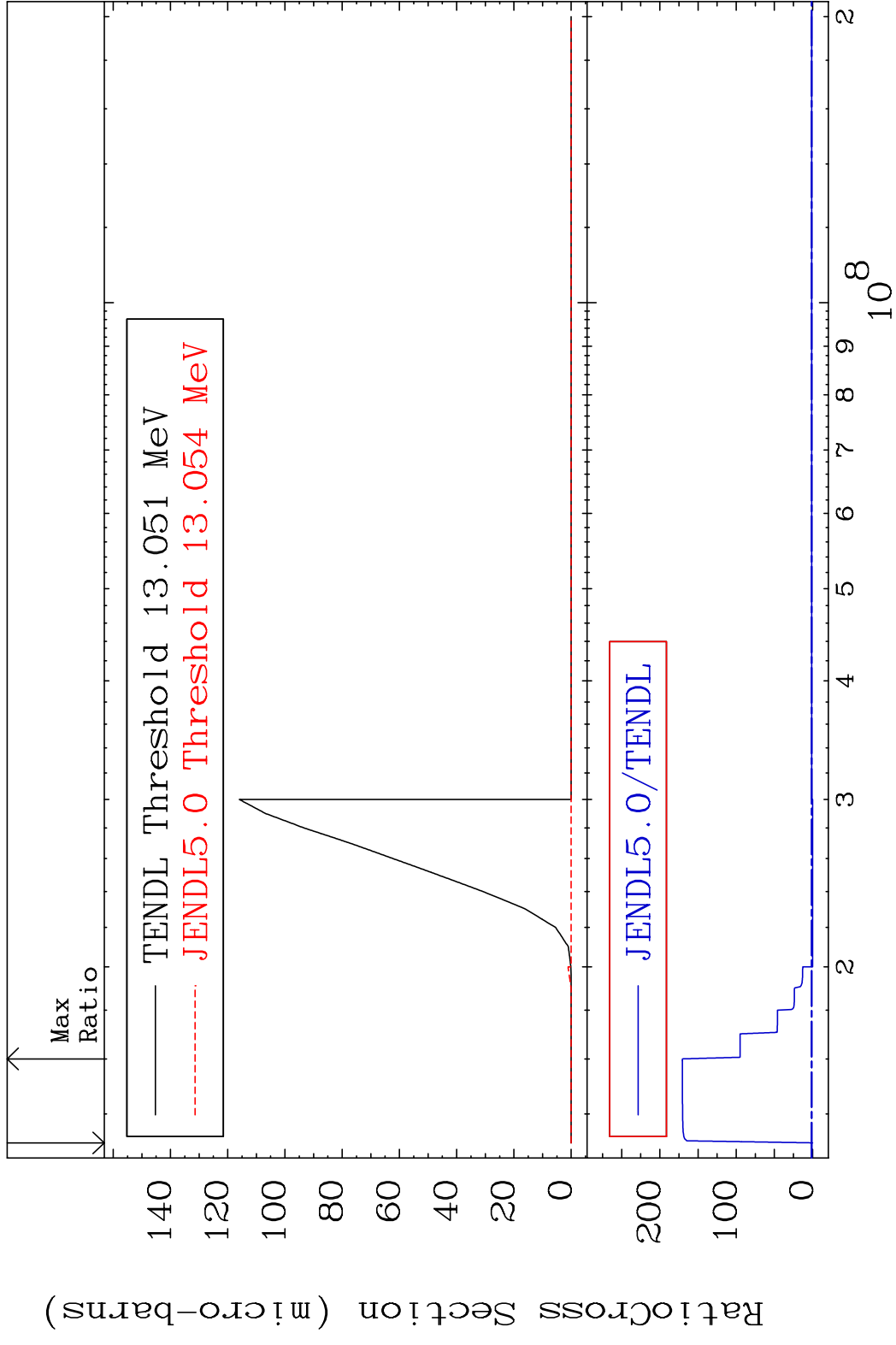


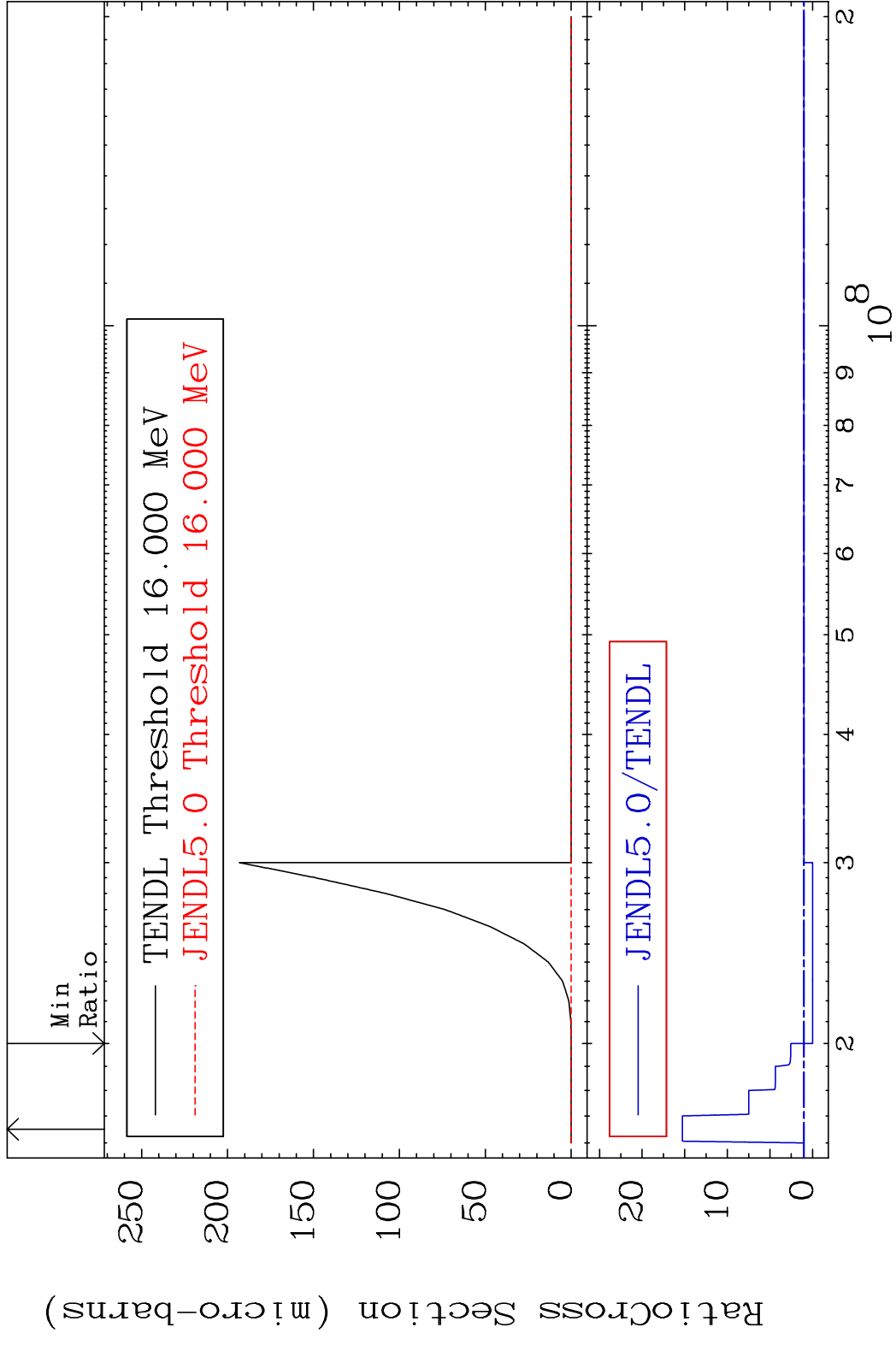


MAT 4122 (n,2p):39-Y -91m1 41-Nb-92  
 Radionuclide Production Cross Section 1800 to 9999. %

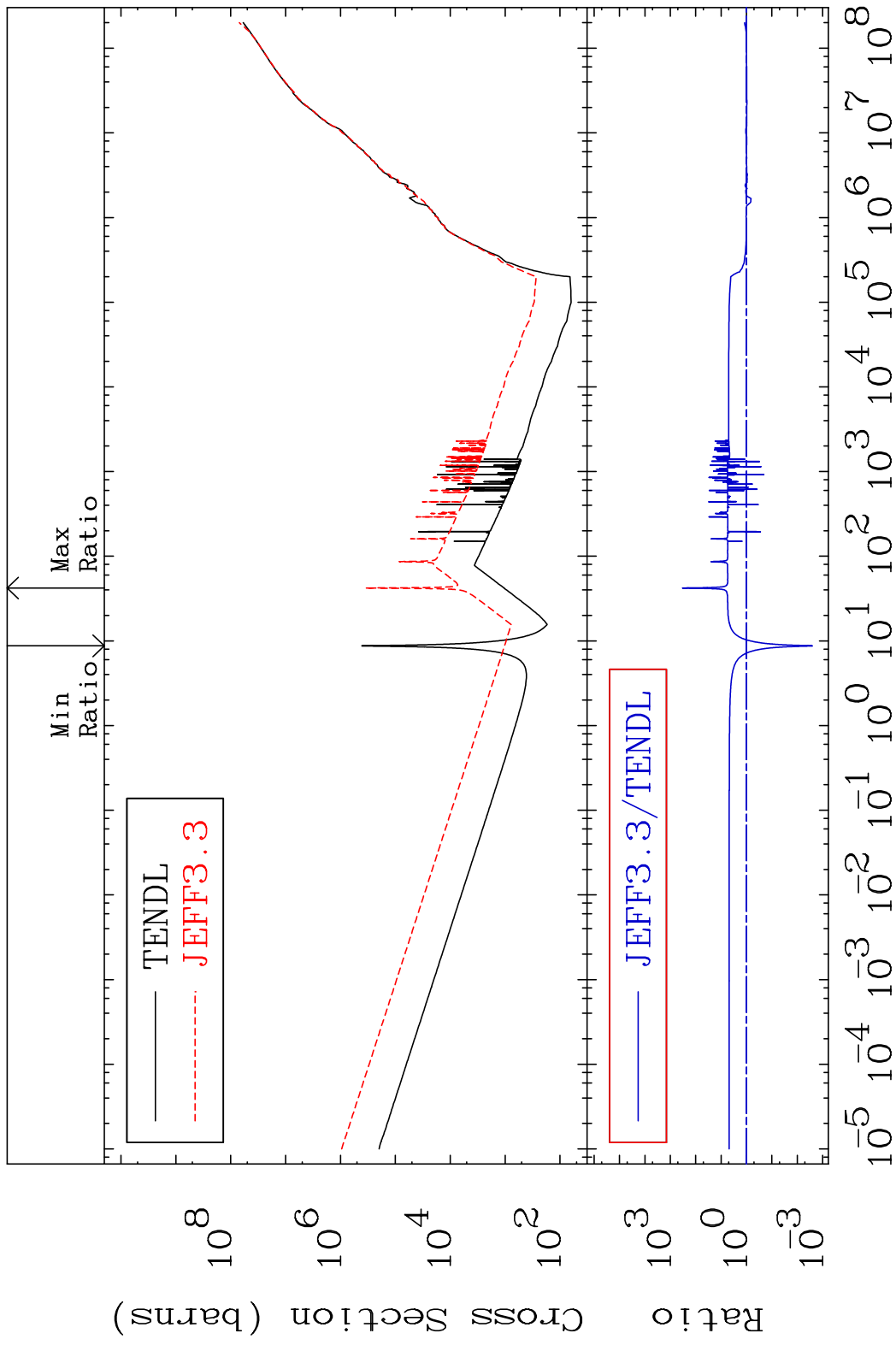


49 Incident Energy (eV) 41-Nb-92

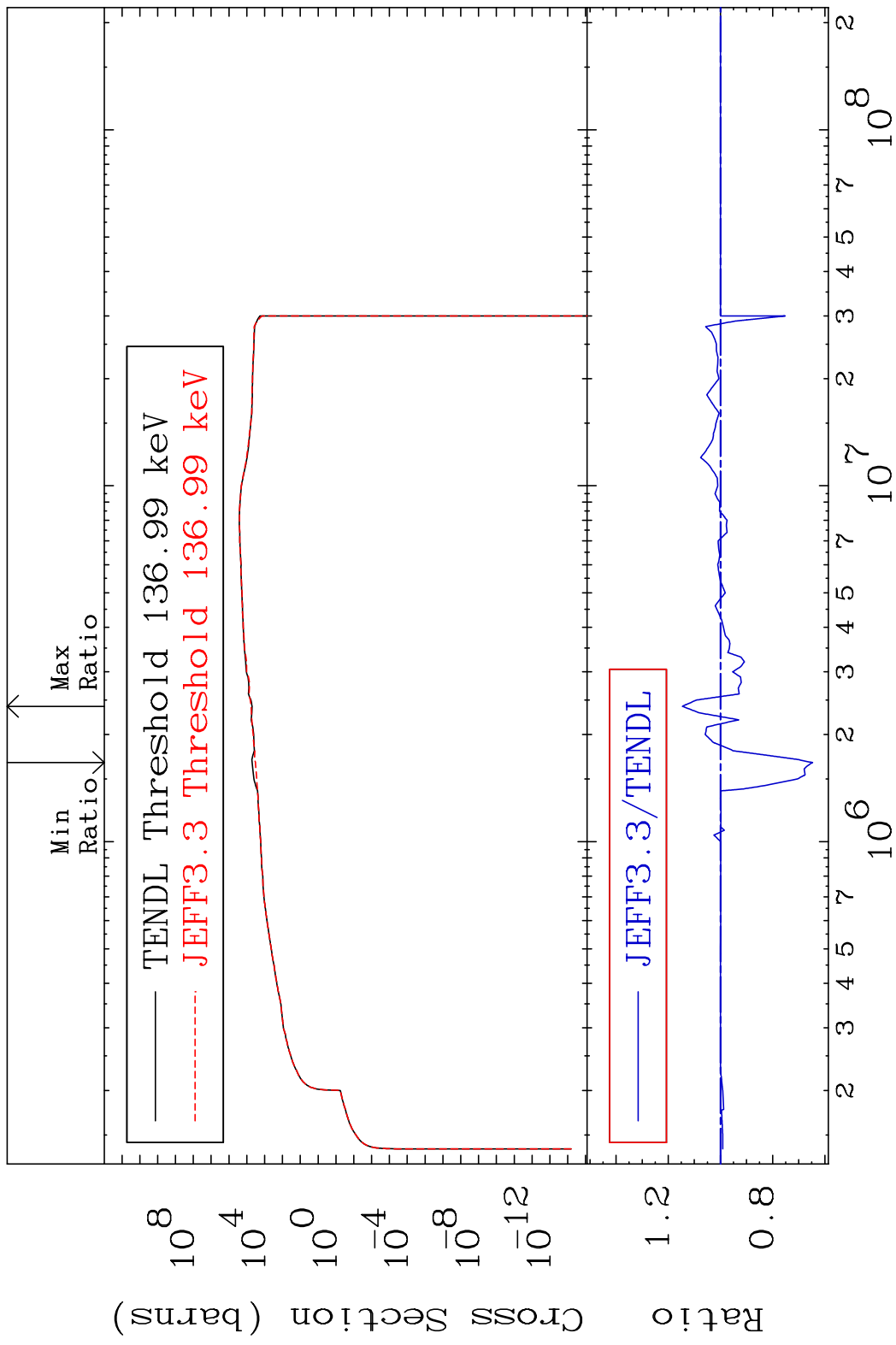




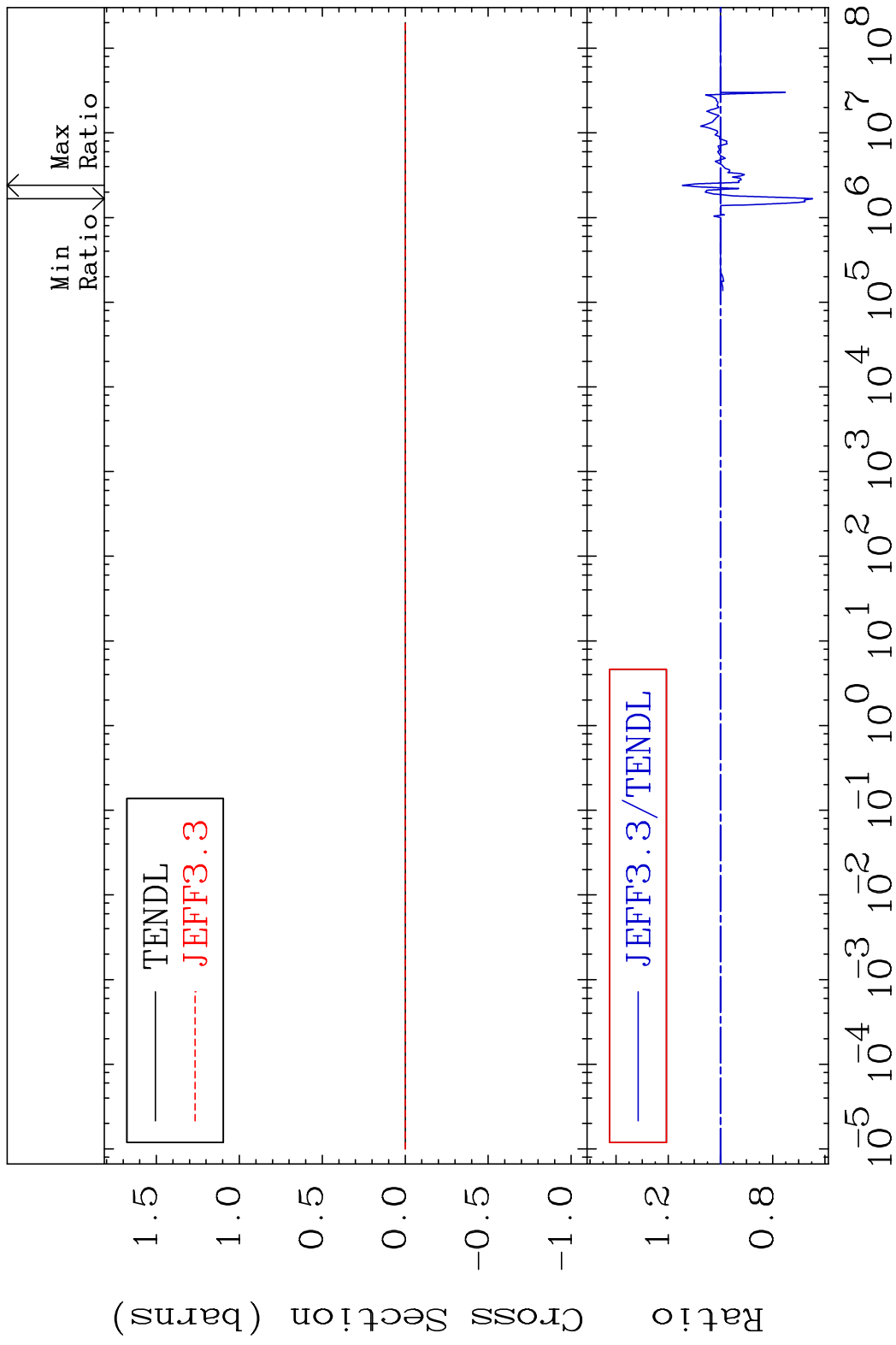
MAT 4122 Kerma non-elastic (all but mt2) 41-Nb-92  
 Cross Section -99.75 To 9999. %



MAT 4122 Kerma inelastic (mt51-91) 41-Nb-92  
 Cross Section -35.30 To 14.59 %

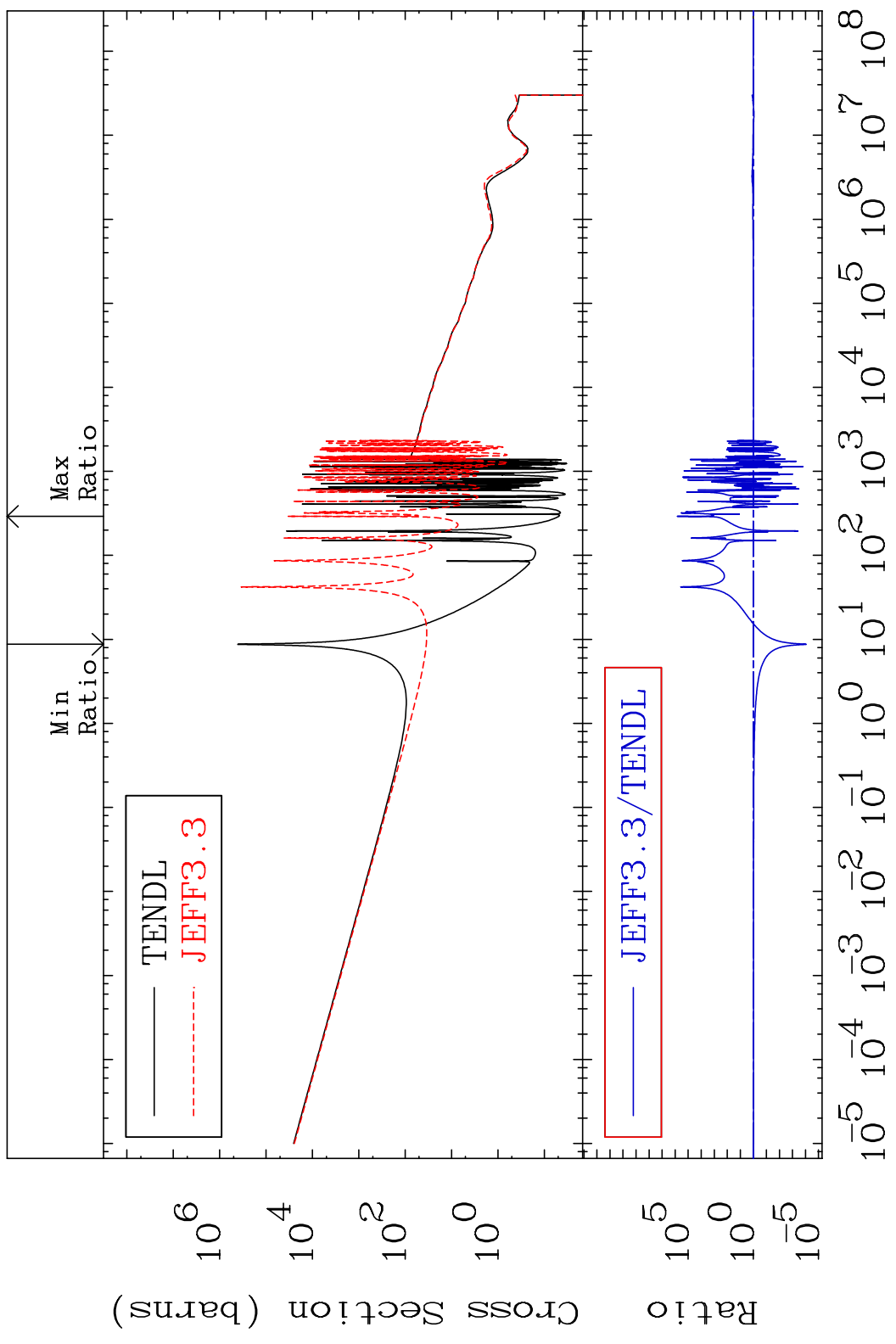


MAT 4122 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-92  
 Cross Section -35.30 To 14.59 %



MAT 4122

Kerma capture (mt102) 41-Nb-92  
Cross Section -99.99 To 9999. %

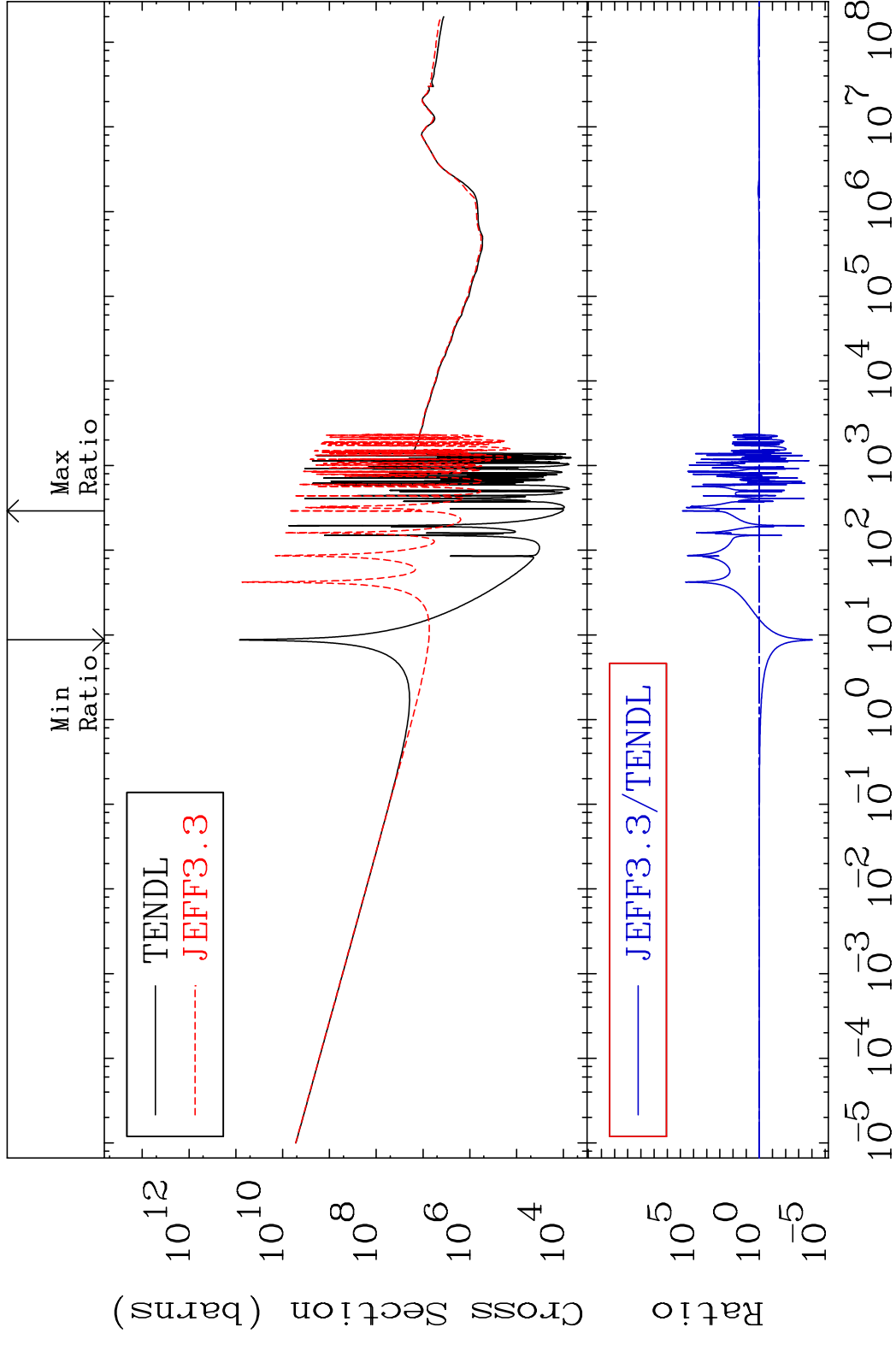


55

Incident Energy (eV) 41-Nb-92

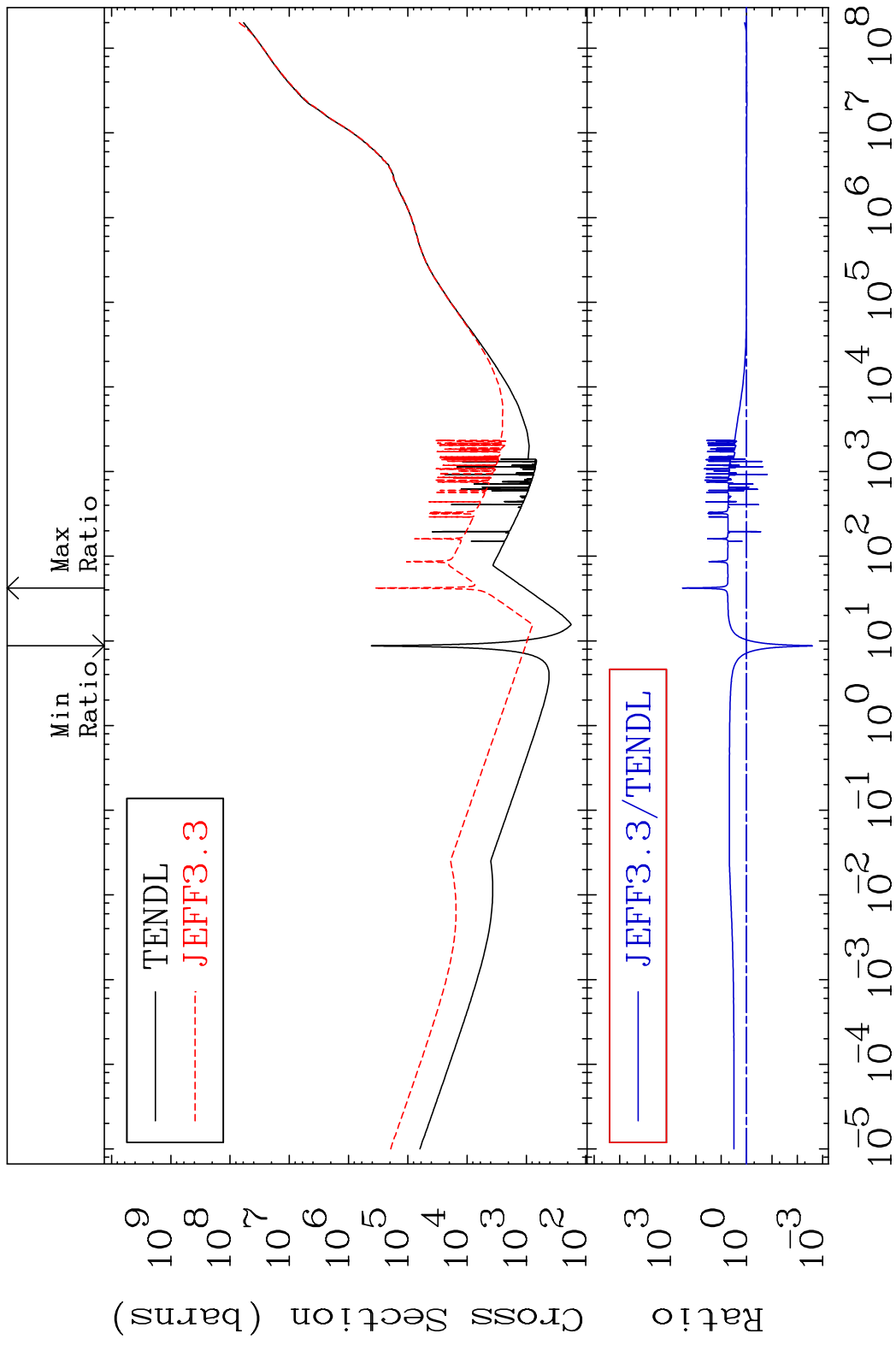


MAT 4122 Total photon (eV-barns) 41-Nb-92  
 Cross Section -99.99 To 9999. %

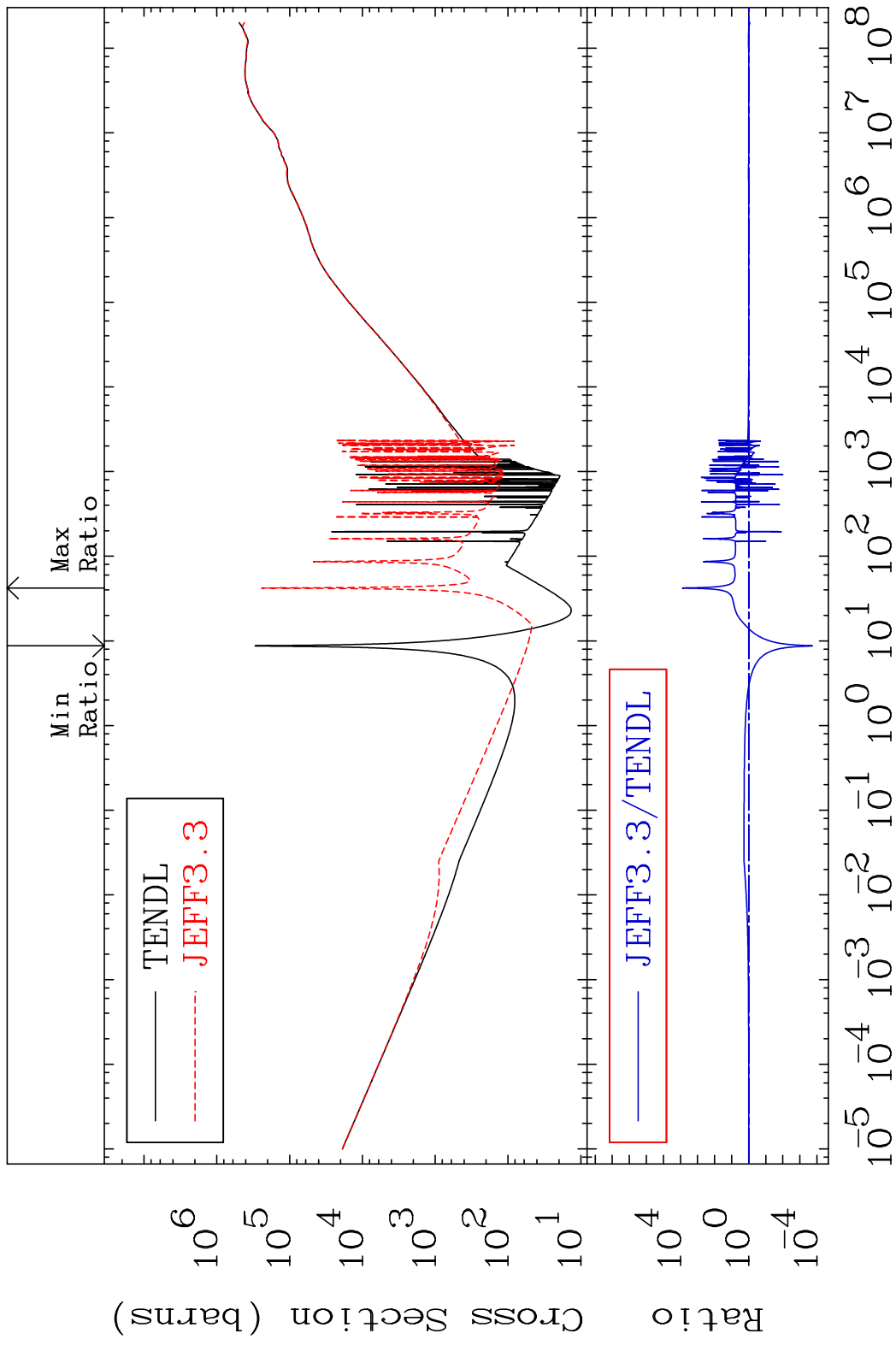


56 Incident Energy (eV) 41-Nb-92

MAT 4122 Total kinematic kerma (high limit) 41-Nb-92  
 Cross Section -99.75 To 9999. %



MAT 4122      Dpa total (eV-barns)      41-Nb-92  
 Cross Section      -99.98 To 9999. %

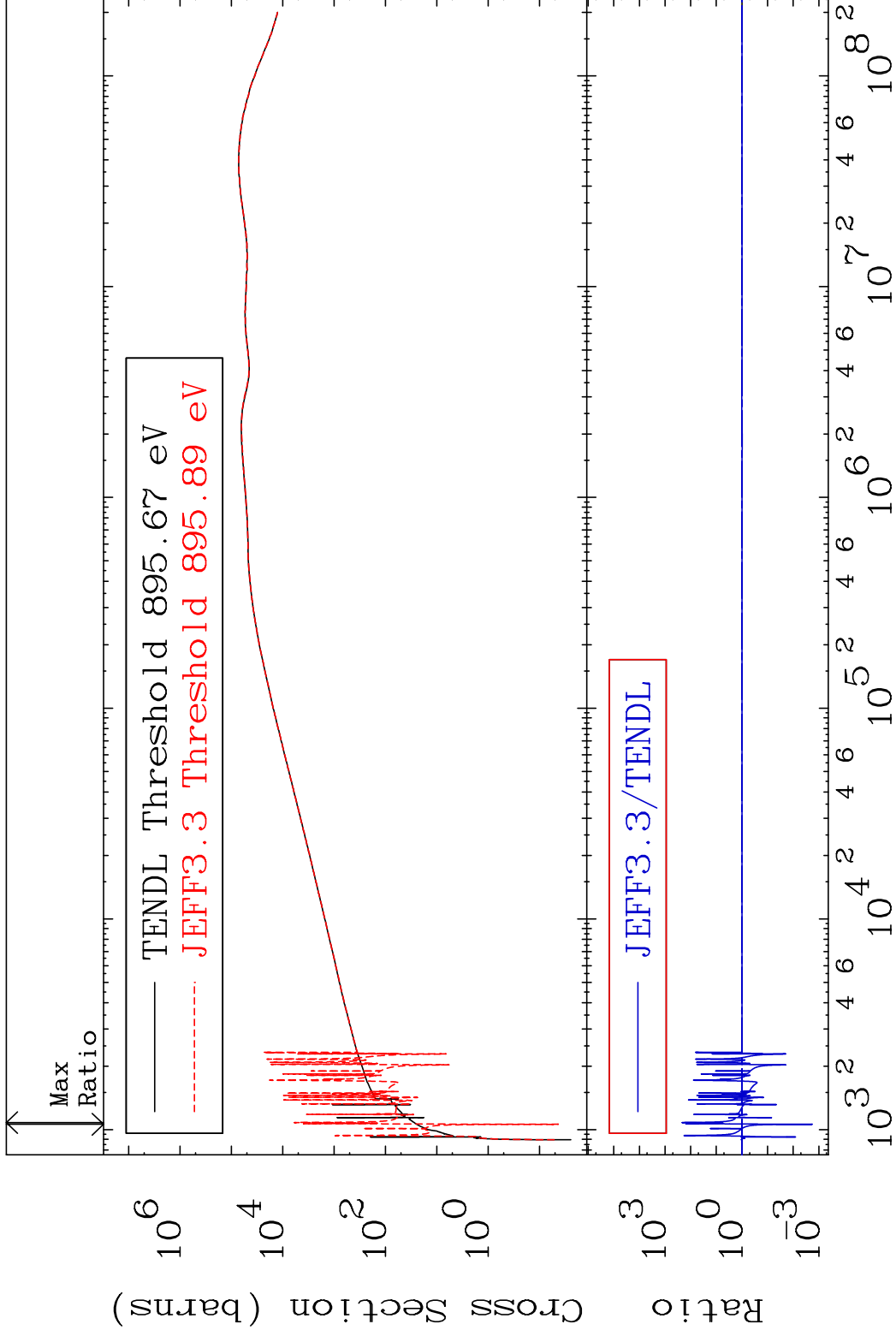


MAT 4122

Dpa elastic (mt2)

41-Nb-92

Cross Section -99.82 To 9999. %



59

Incident Energy (eV)

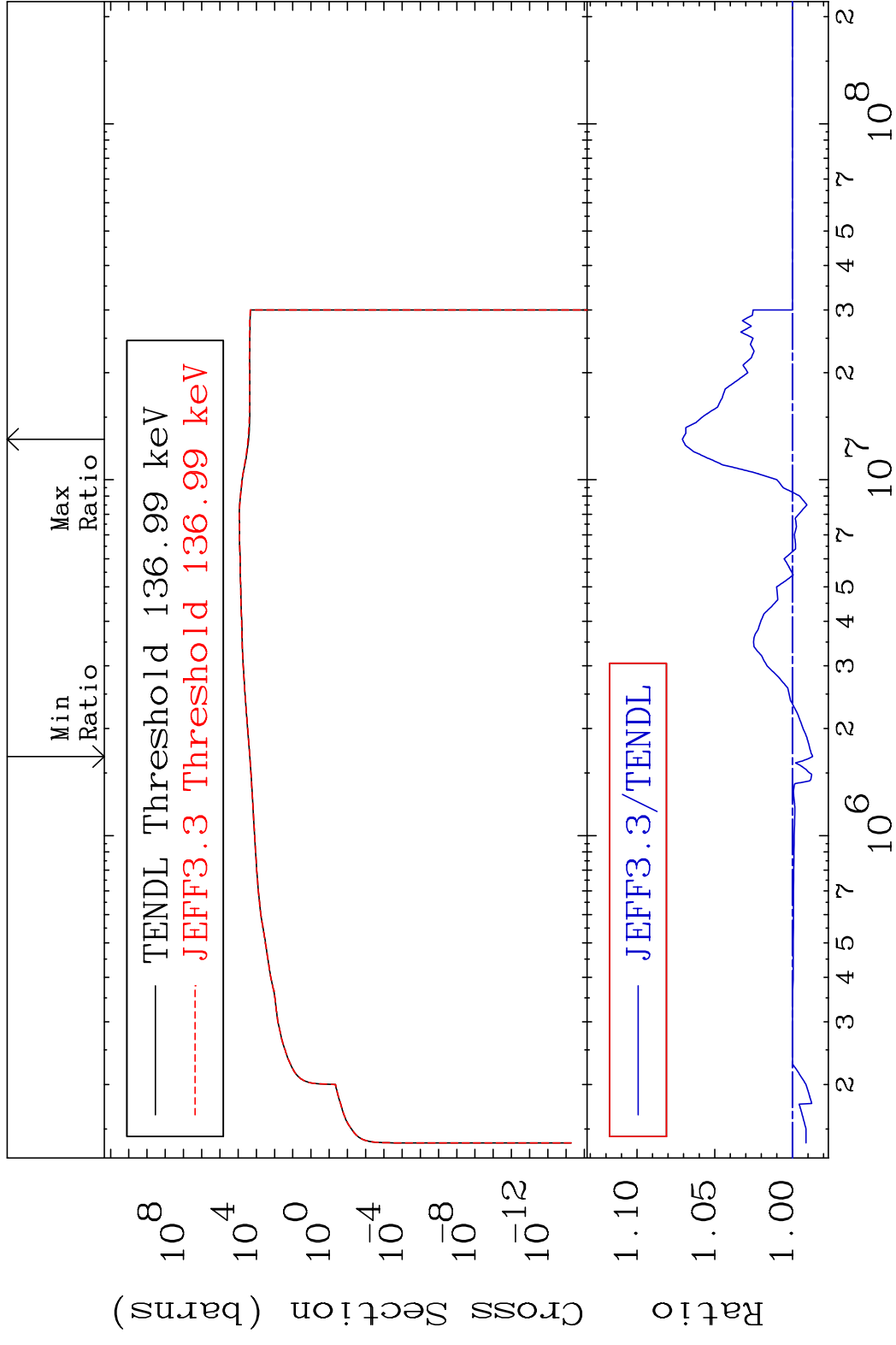
41-Nb-92

MAT 4122

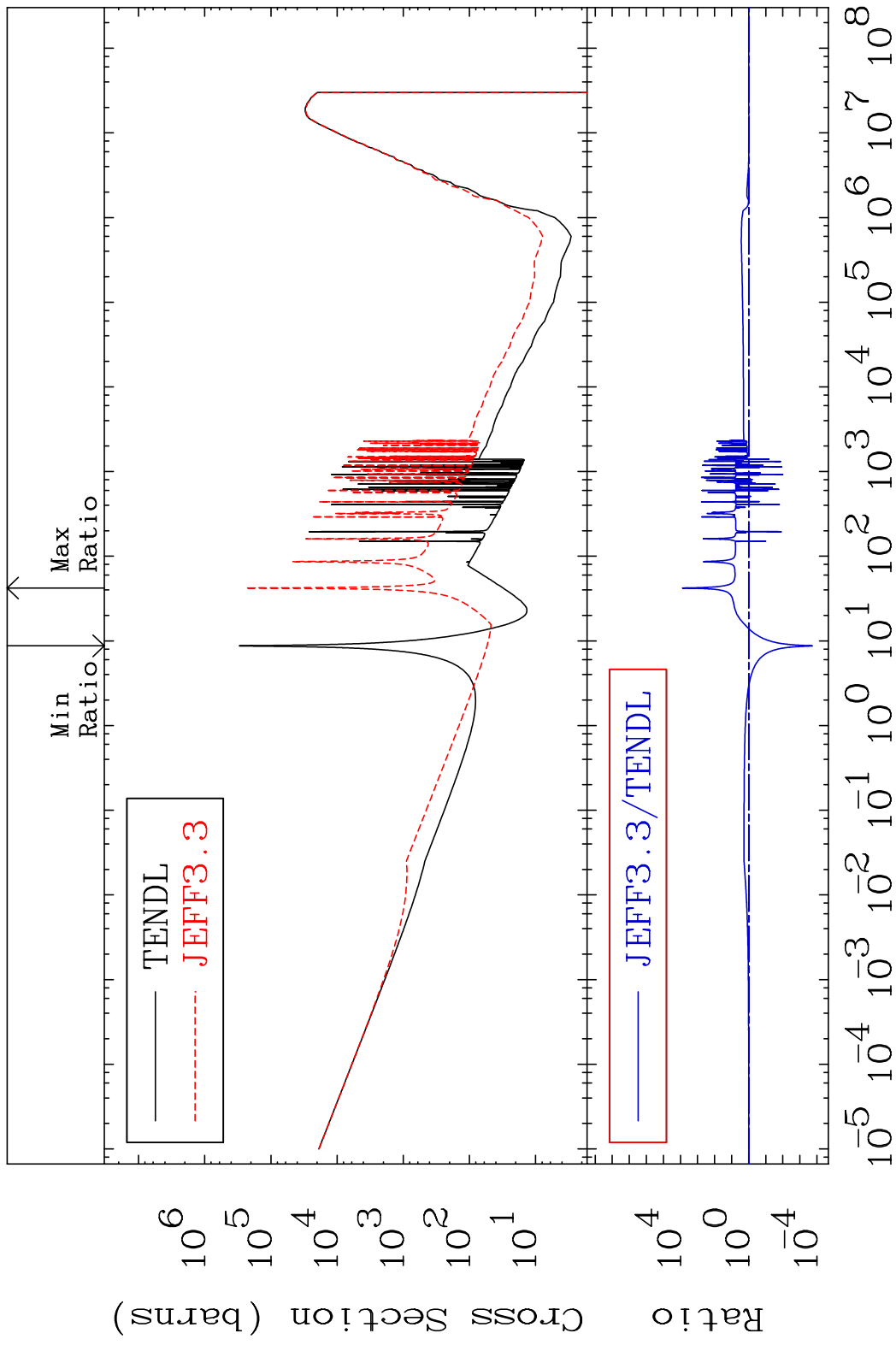
Dpa inelastic (mt51-91)

41-Nb-92

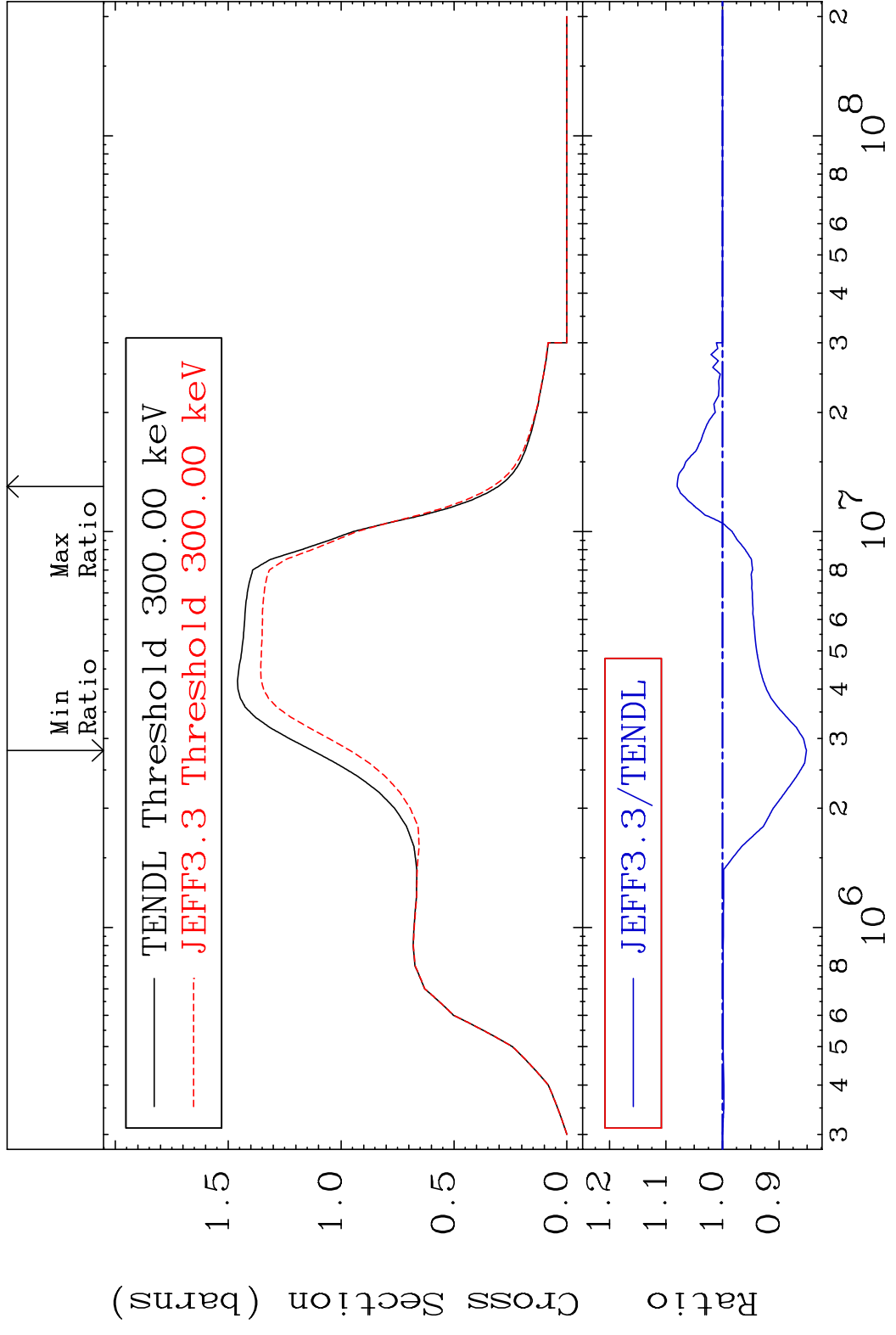
Cross Section -1.293 To 7.082 %

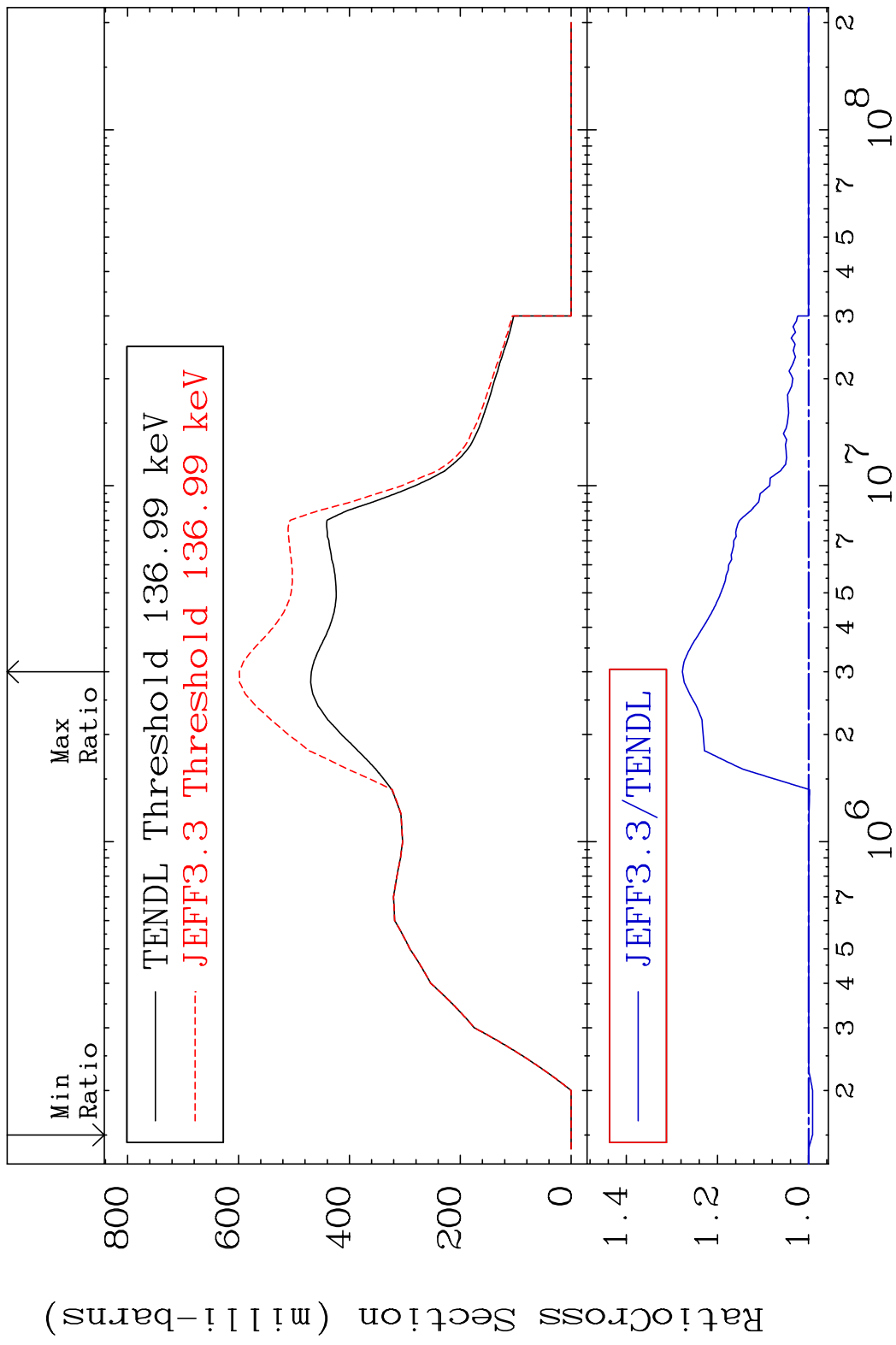


MAT 4122 Dpa disappearance (mt102 -120) 41-Nb-92  
 Cross Section -99.98 To 9999. %

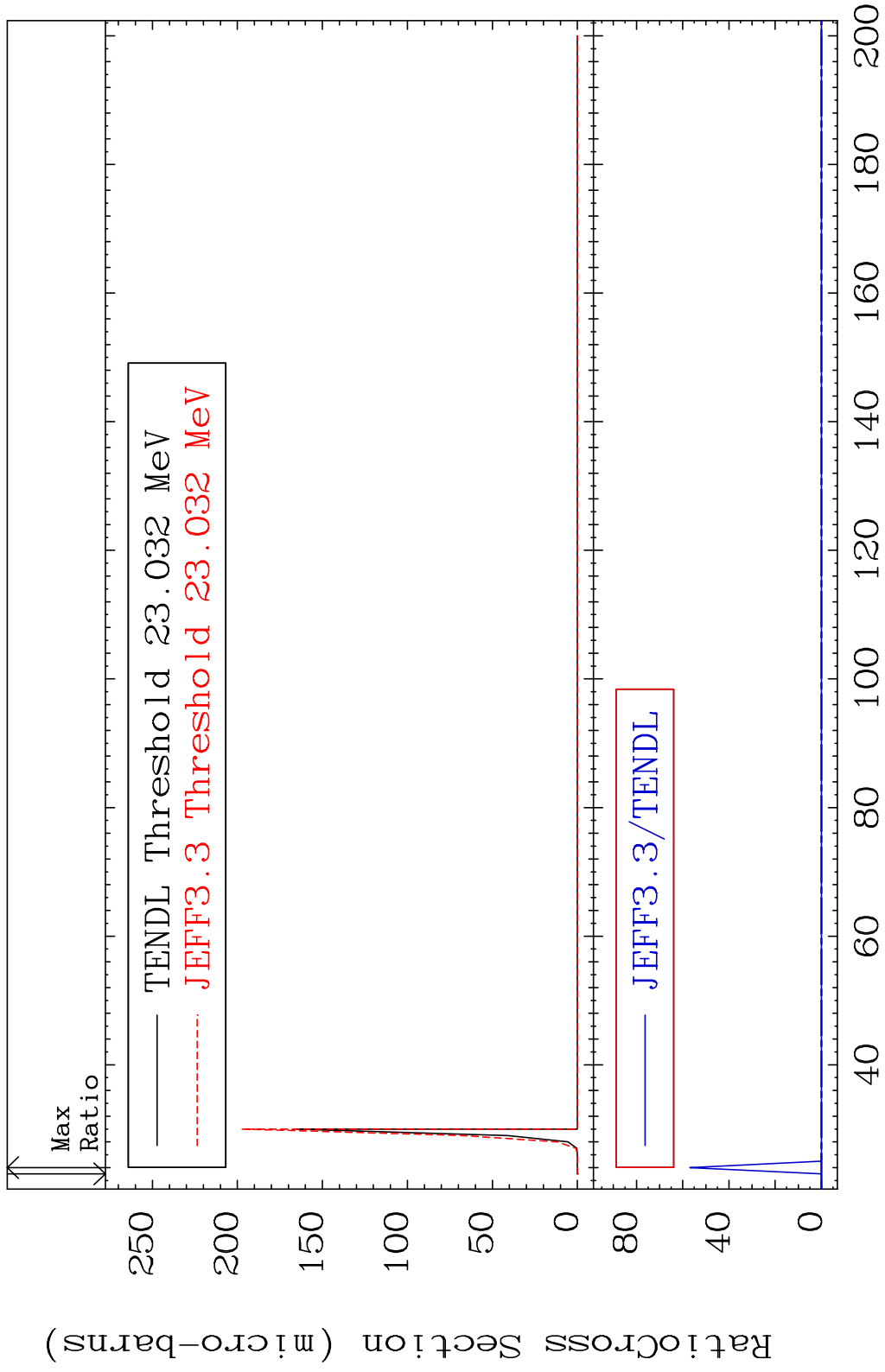


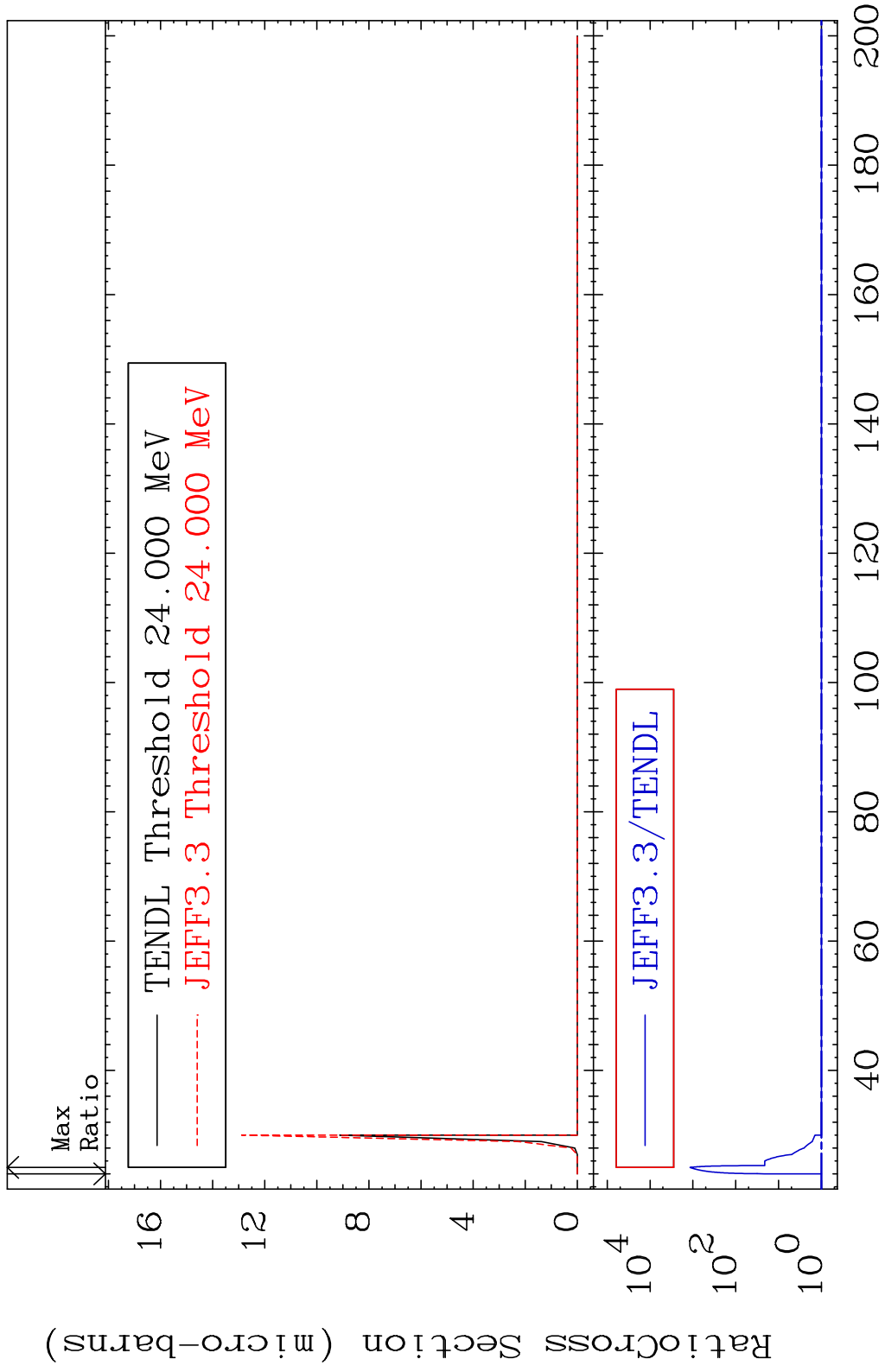
61 Incident Energy (eV) 41-Nb-92



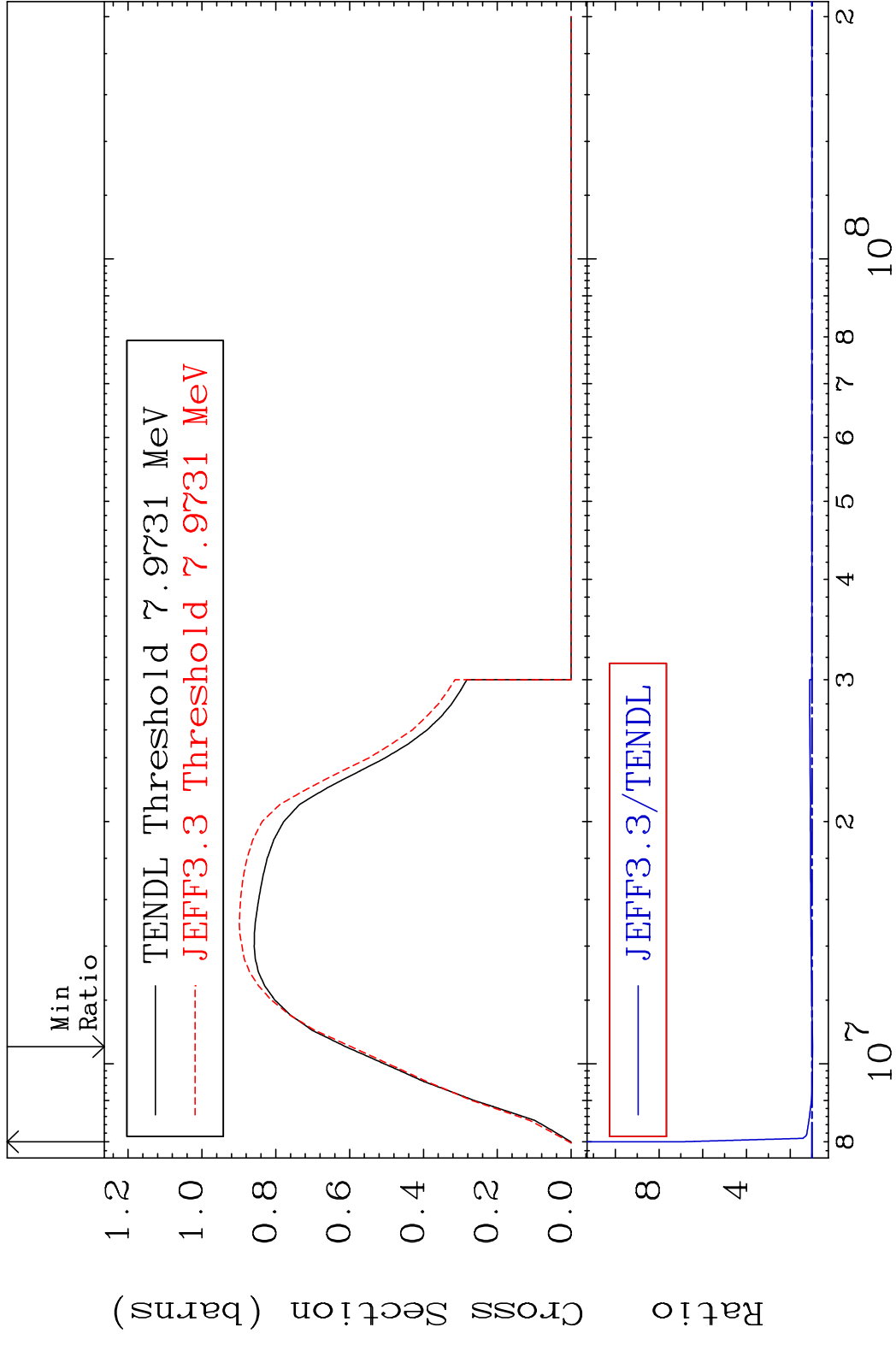




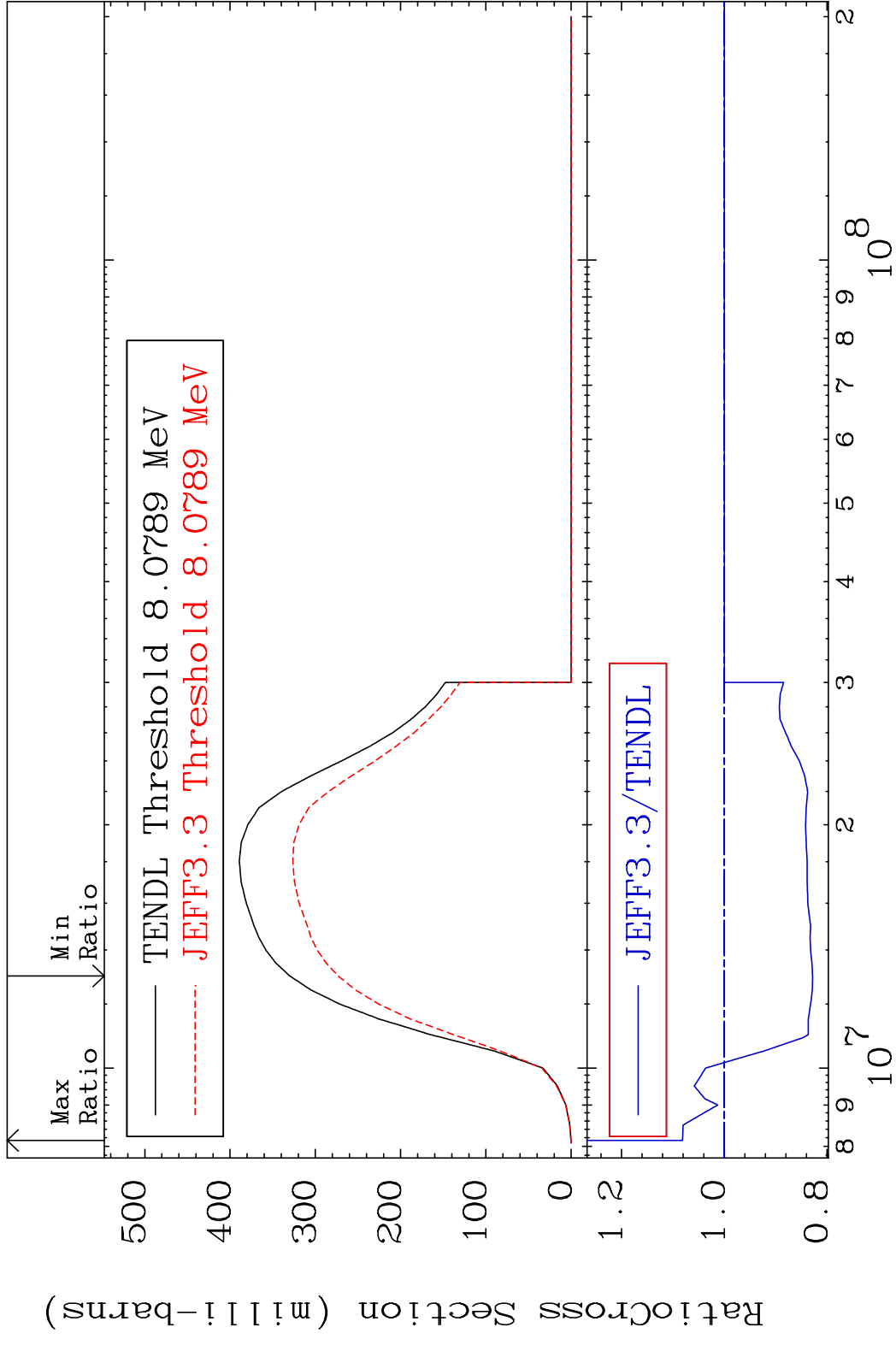


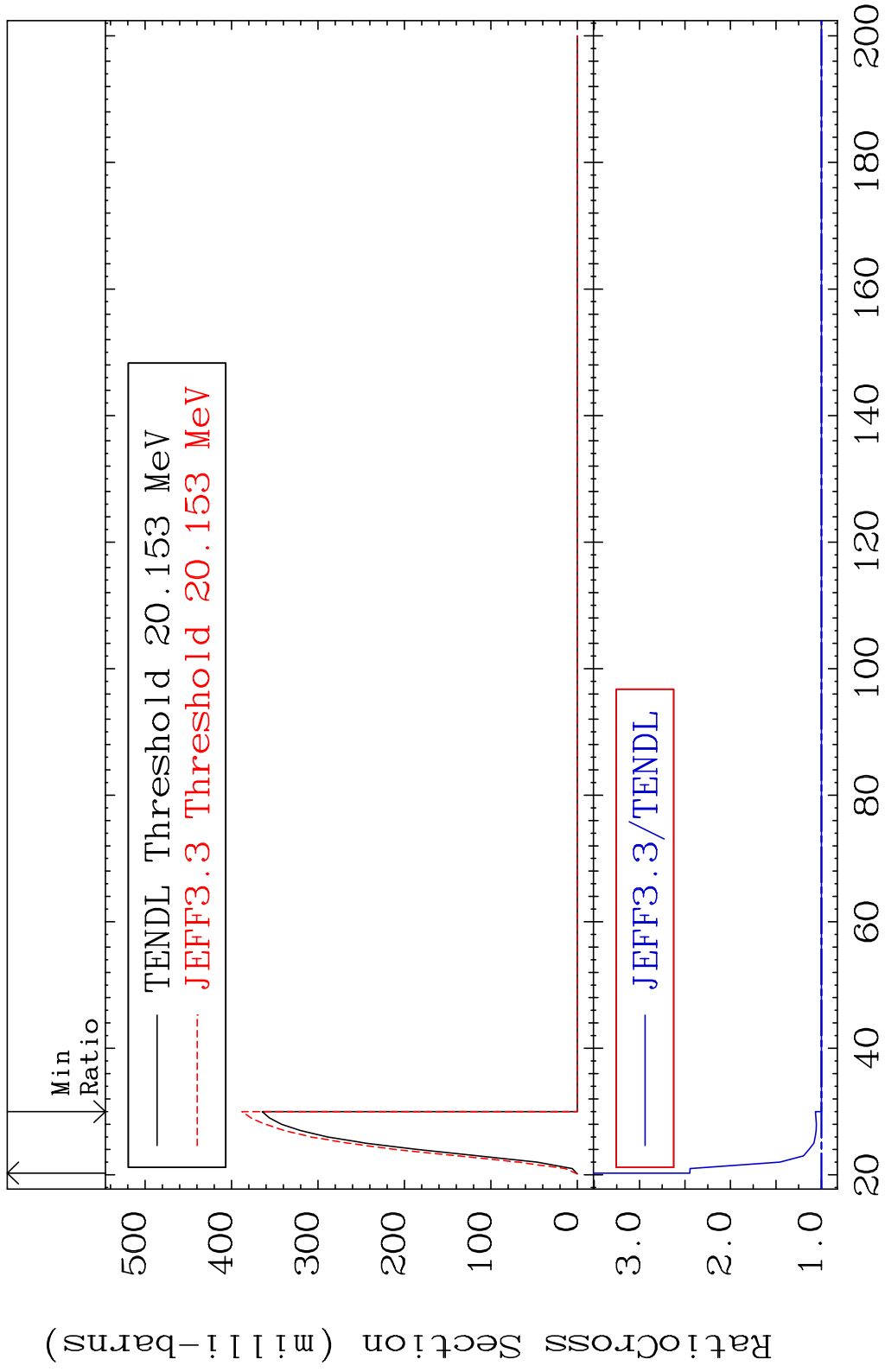


MAT 4122 (n,2n):41-Nb-91g 41-Nb-92  
 Radionuclide Production Cross Section 593.3 %

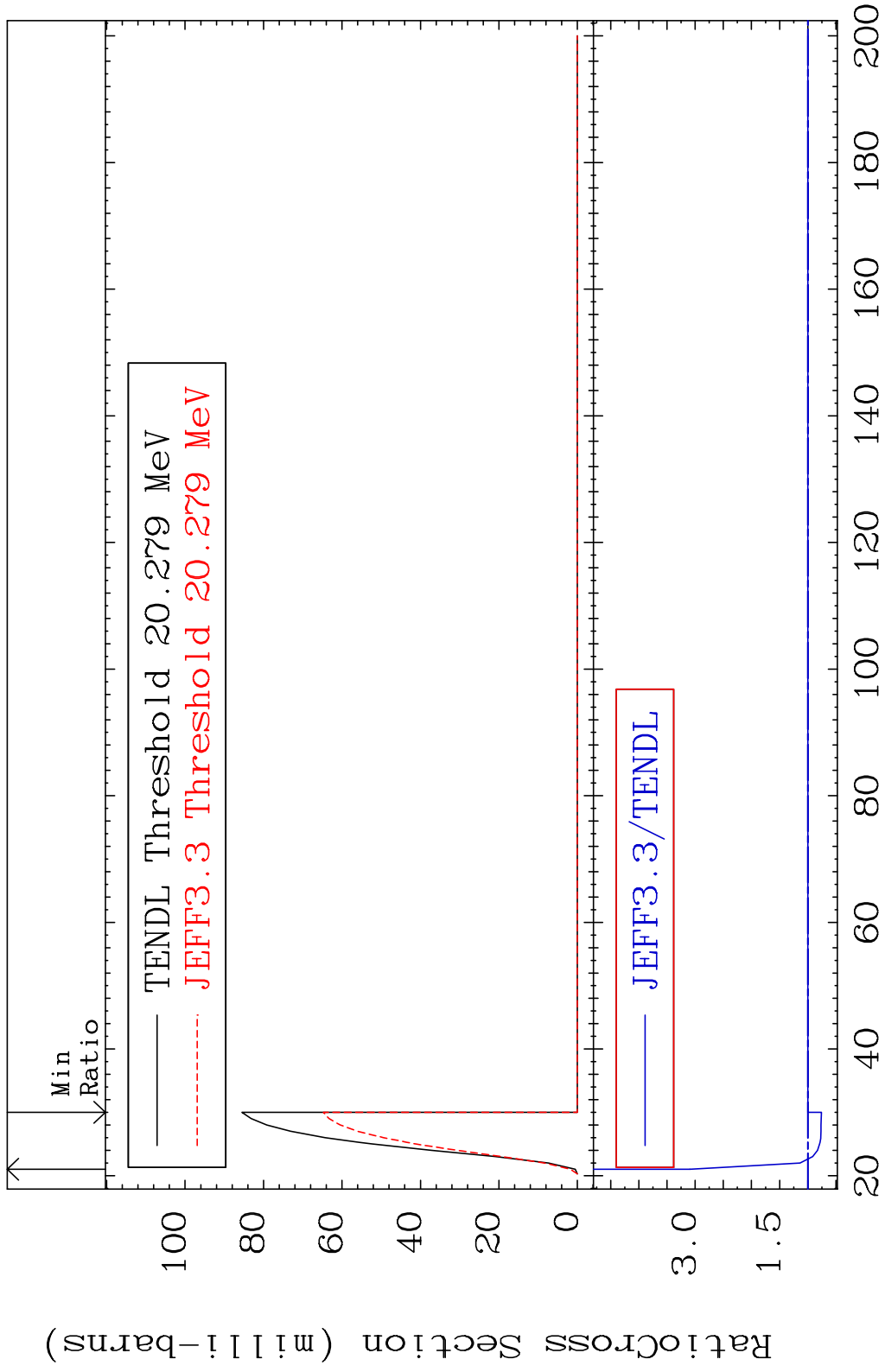


MAT 4122 (n,2n):41-Nb-91m1 41-Nb-92  
 Radionuclide Production Cross Section 8.156 %



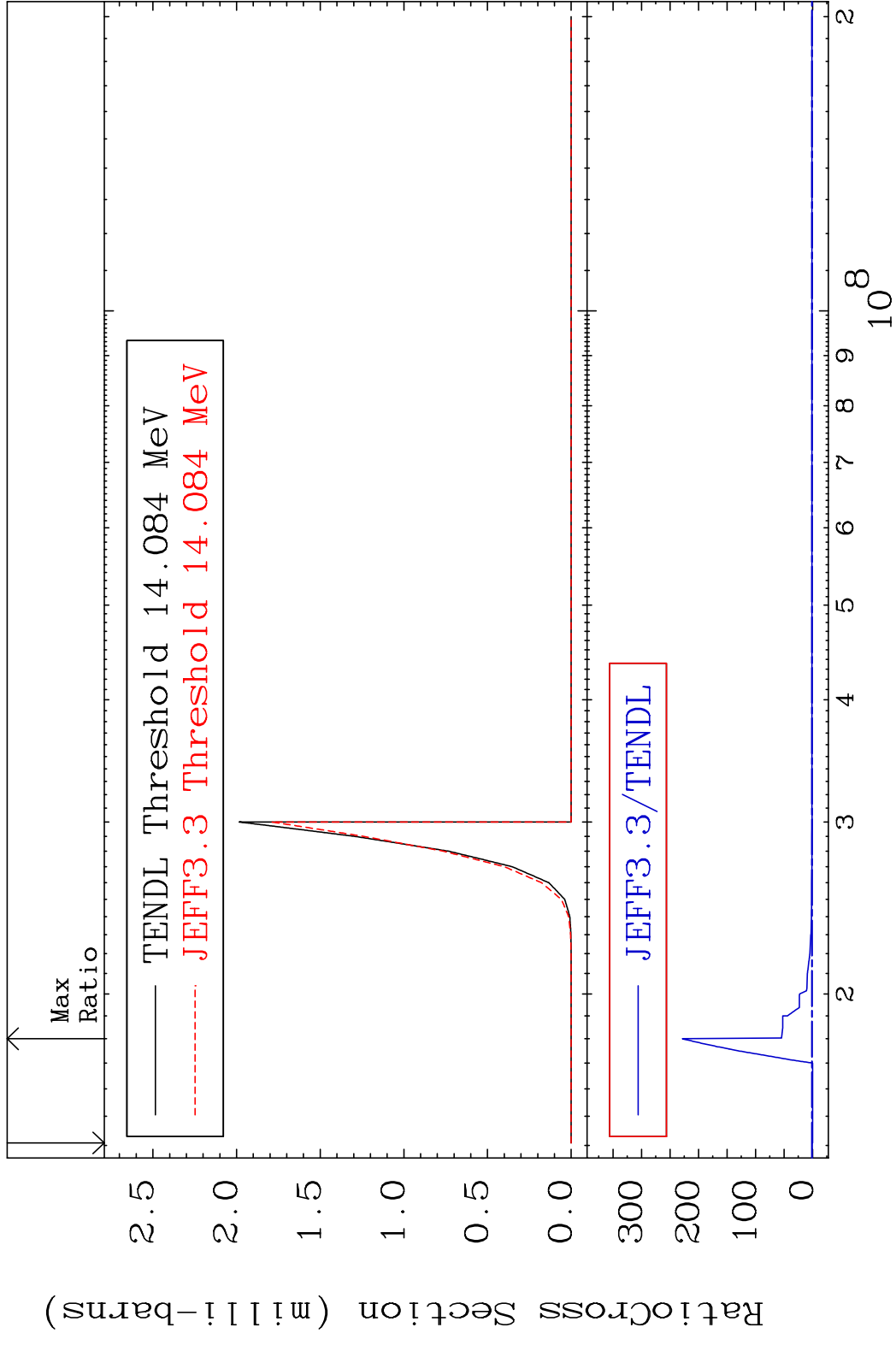


MAT 4122 (n,3n):41-Nb-90m2 41-Nb-92  
 Radionuclide Production Cross Section 209.7 %

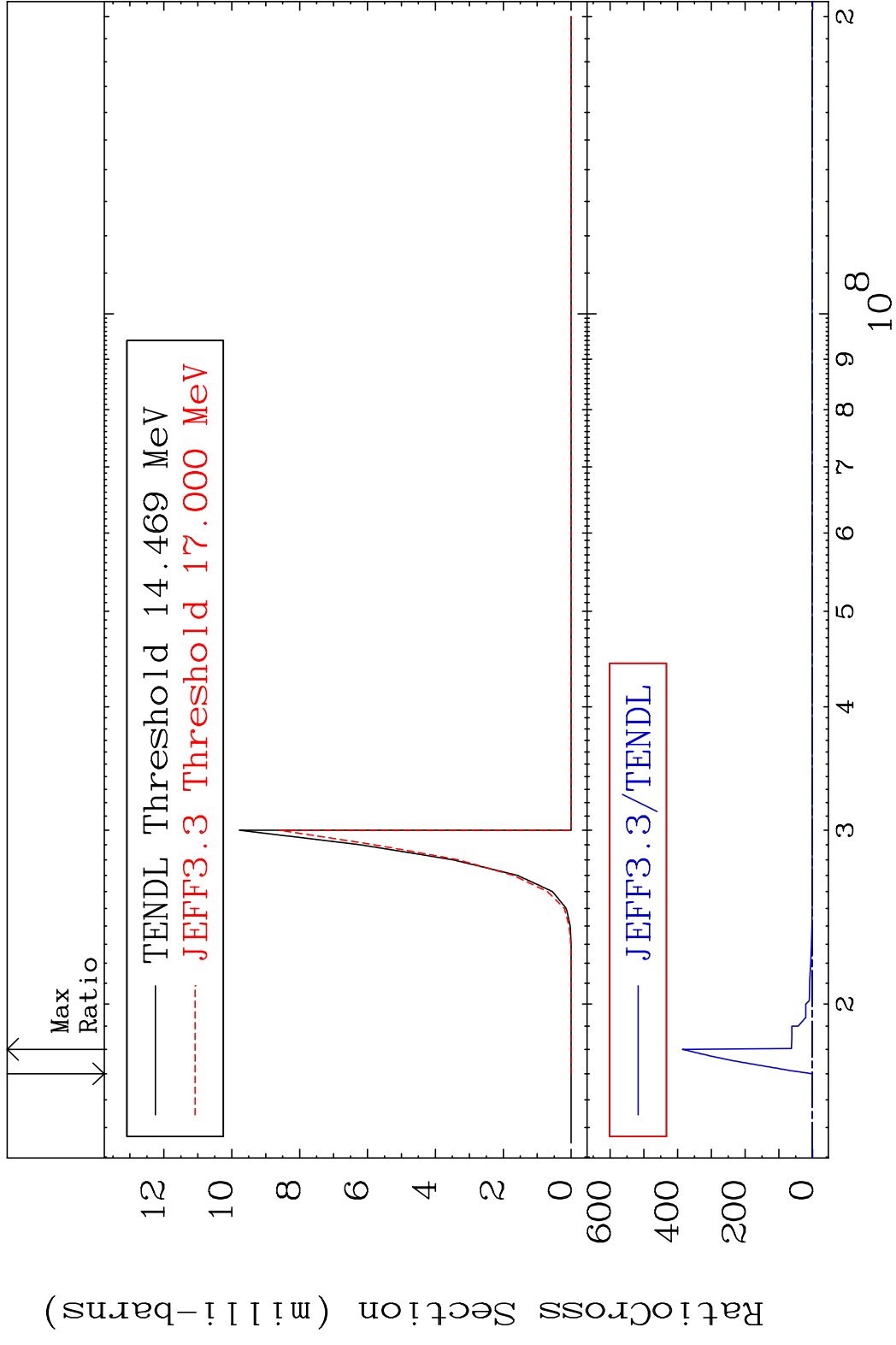


69 Incident Energy (MeV) 41-Nb-92

MAT 4122 (n,2n)  $\alpha$ :39-Y -87g 41-Nb-92  
 Radionuclide Production Cross Section 18000 dth 9999. %

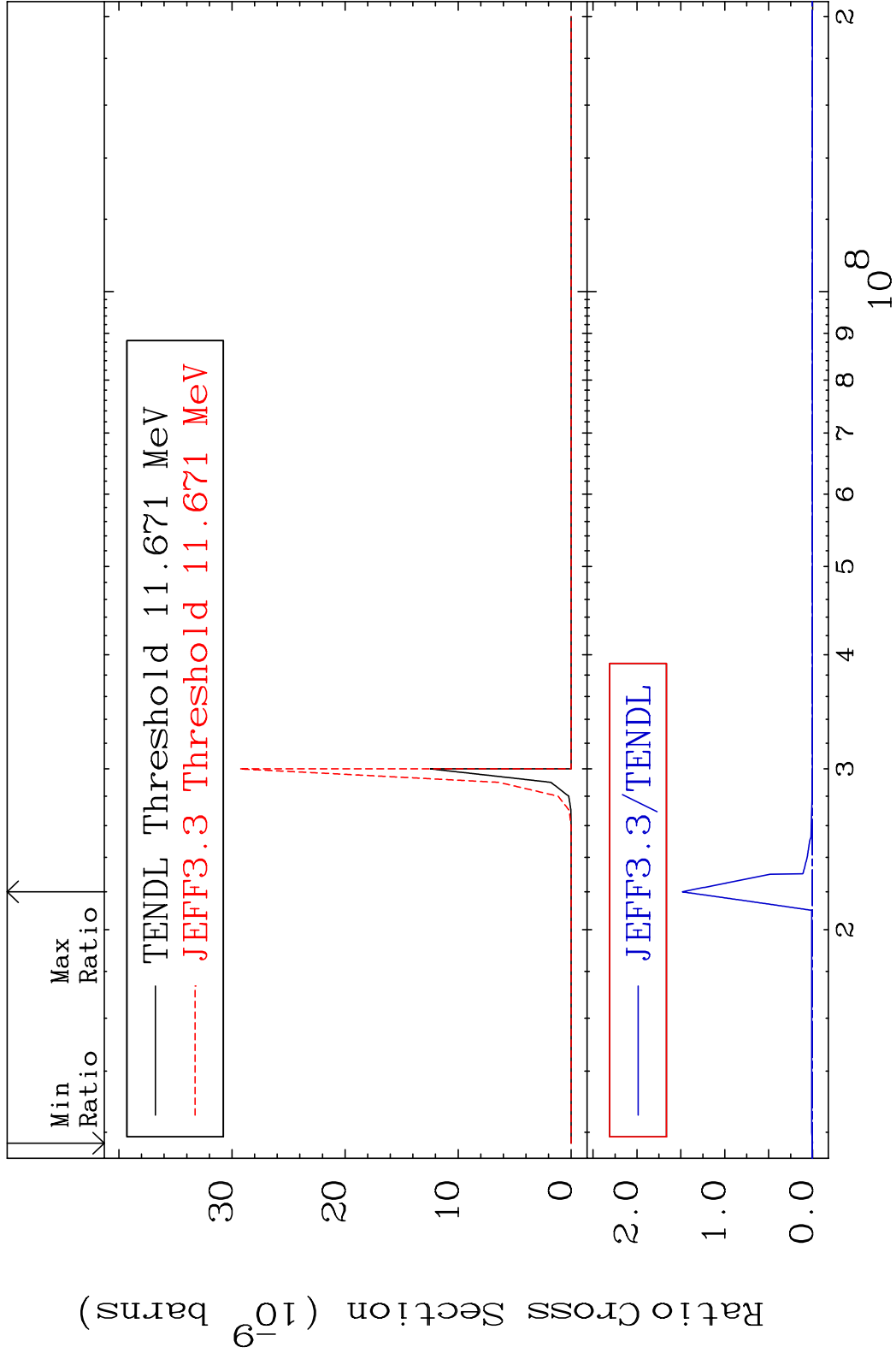


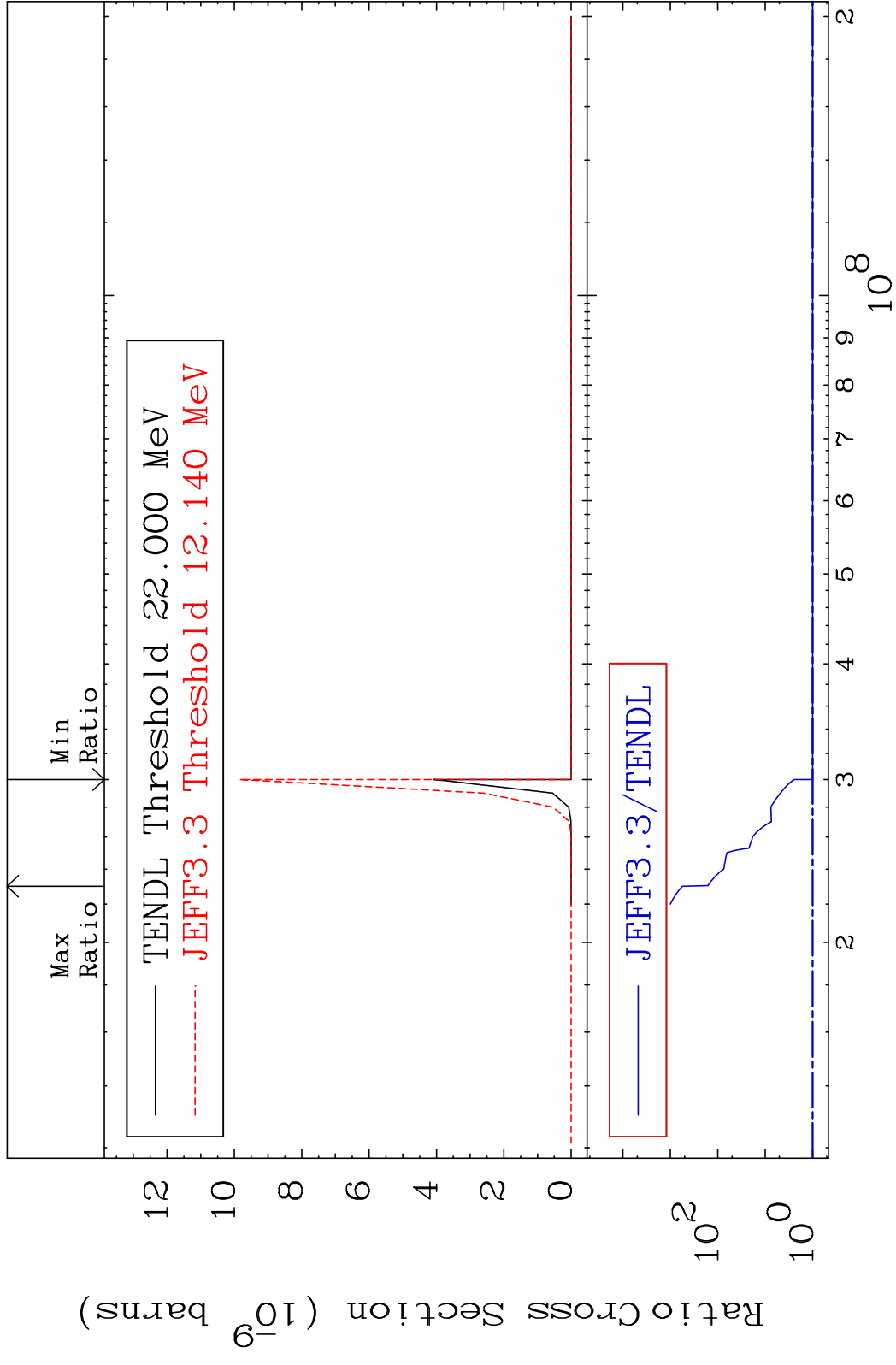
MAT 4122 (n,2n)  $\alpha$ :39-Y -87m1 41-Nb-92  
 Radionuclide Production Cross Section Ratio 9999. %

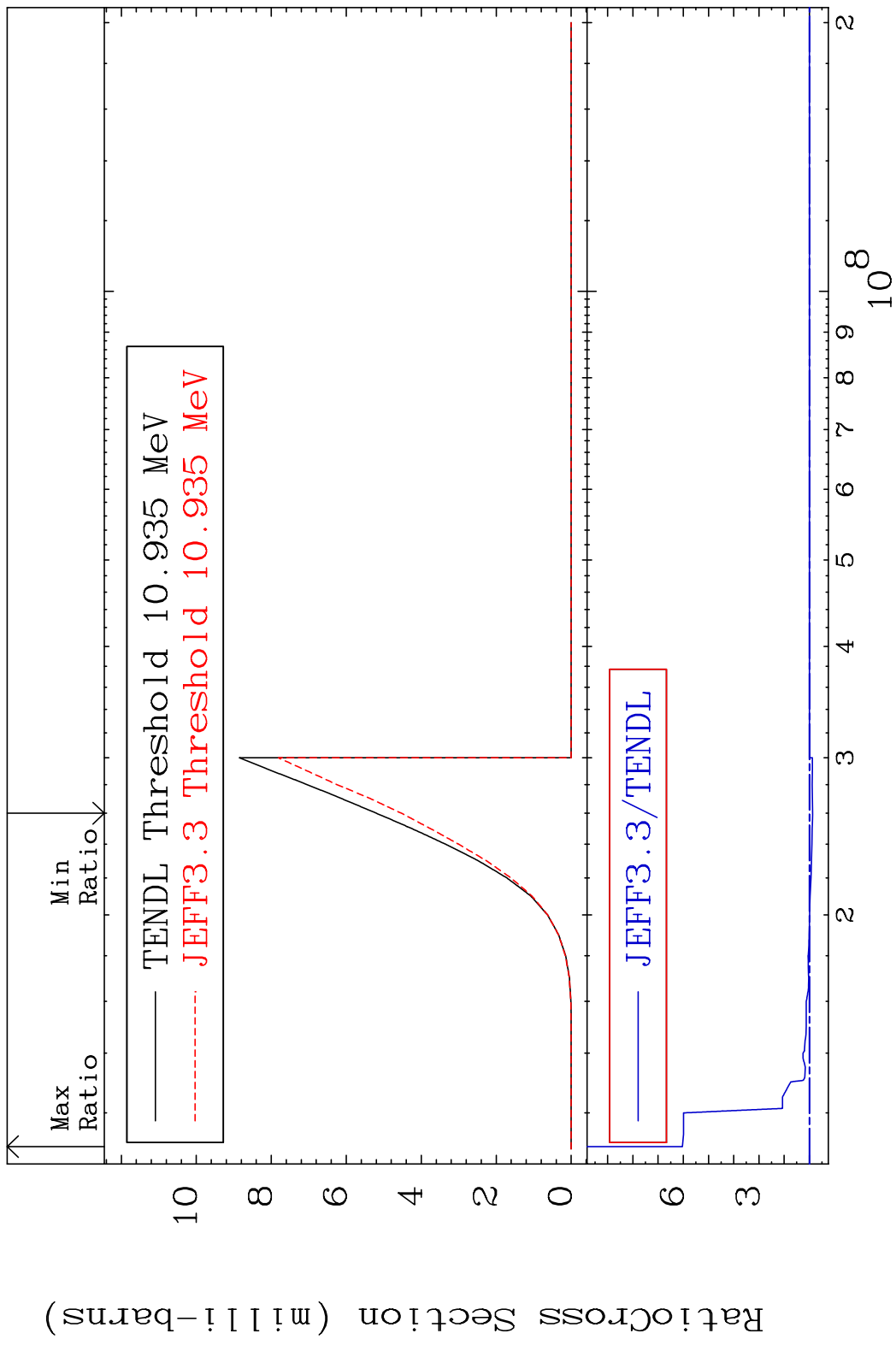


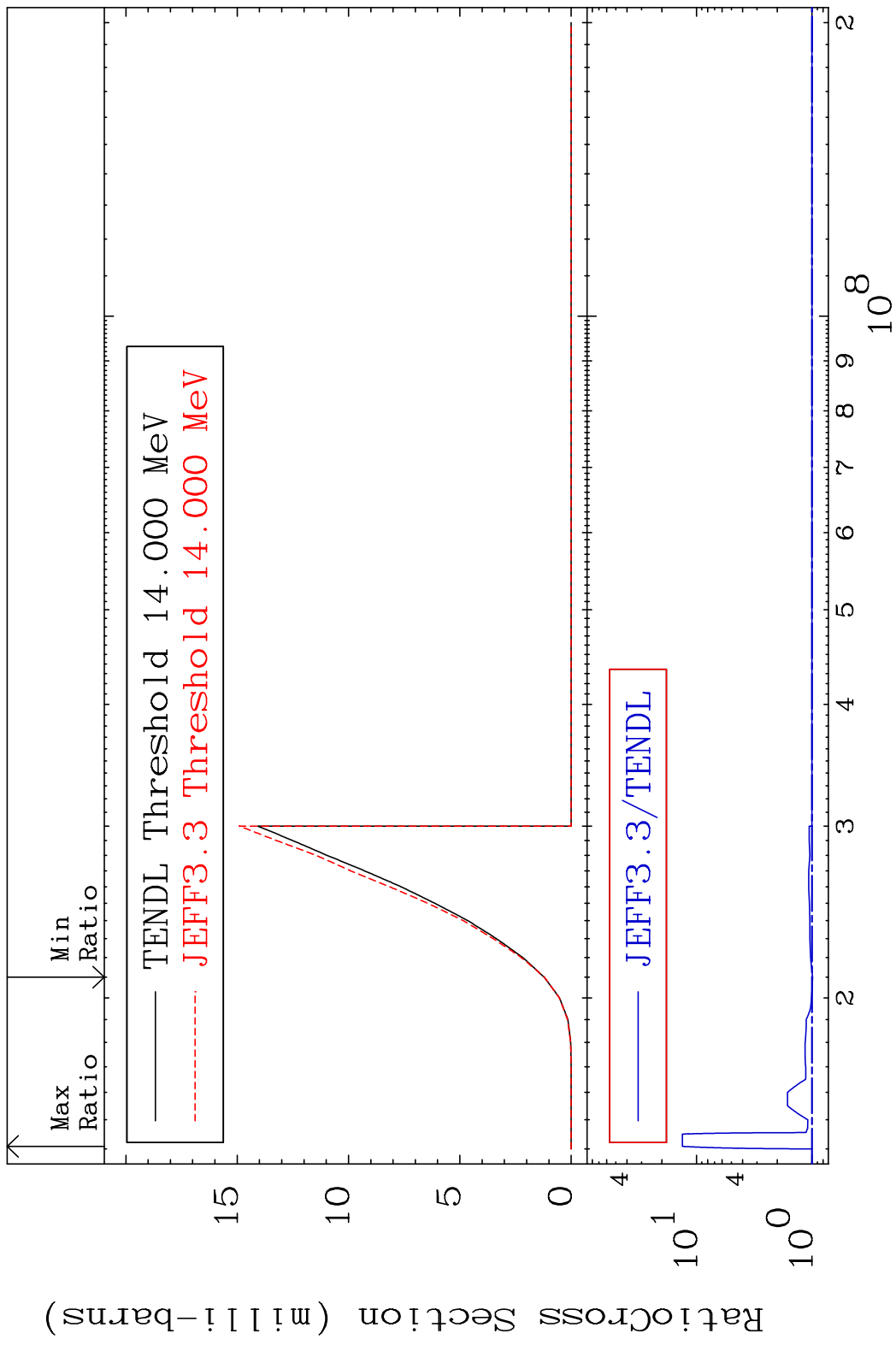


MAT 4122 (n, n')  $2\alpha$ :37-Rb-84g 41-Nb-92  
 Radionuclide Production Cross Section Ratio 9999. %

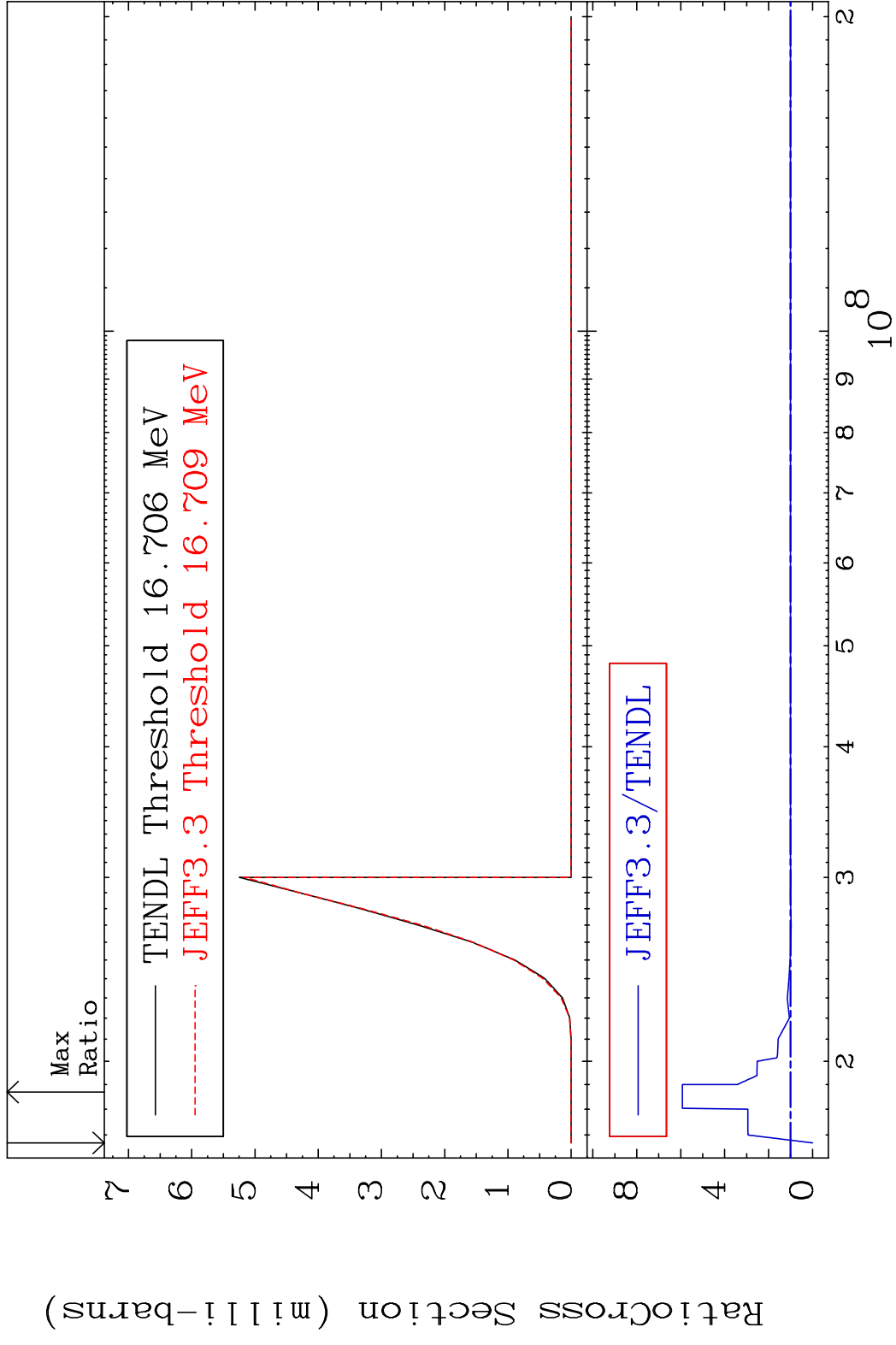


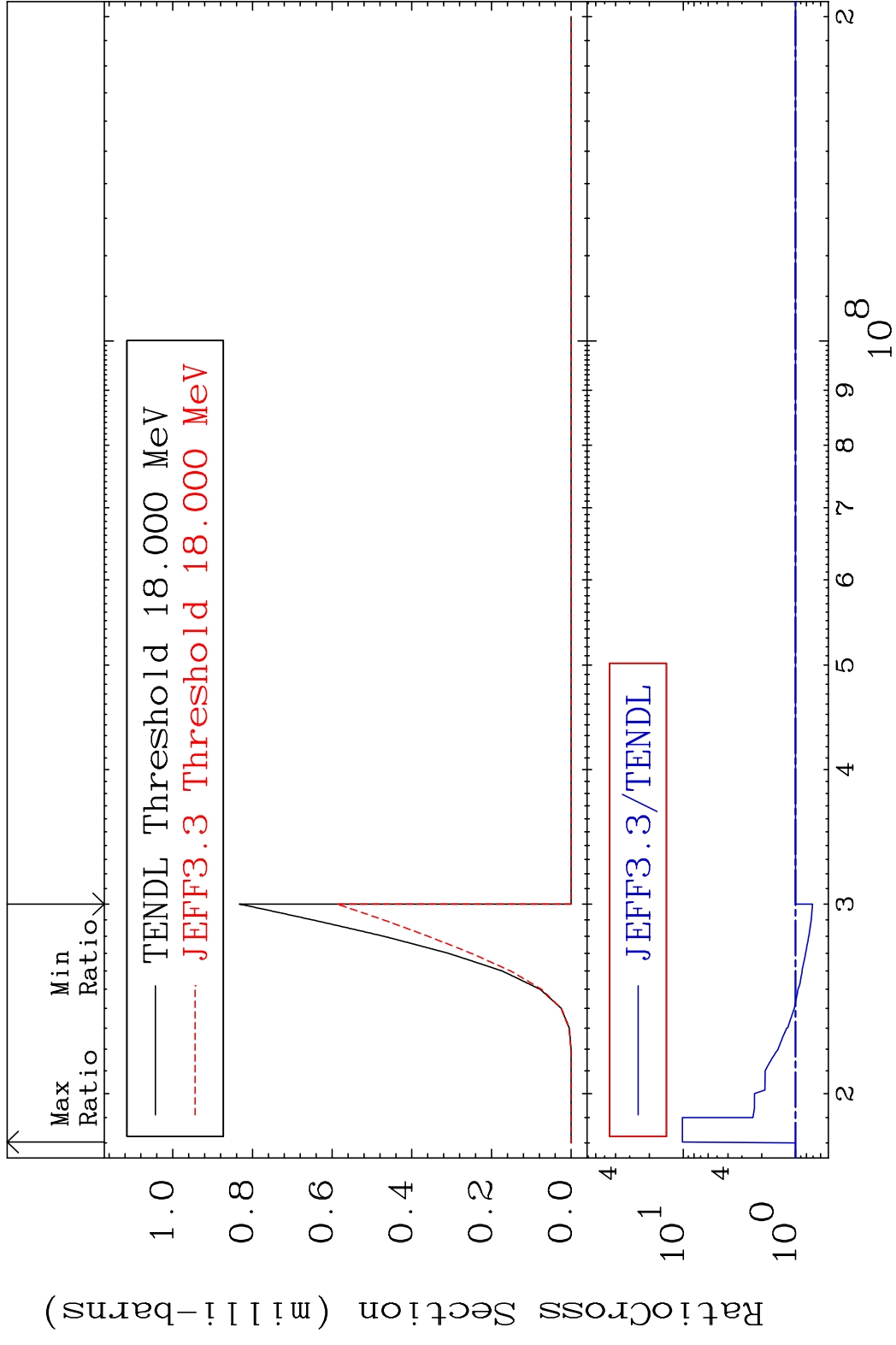


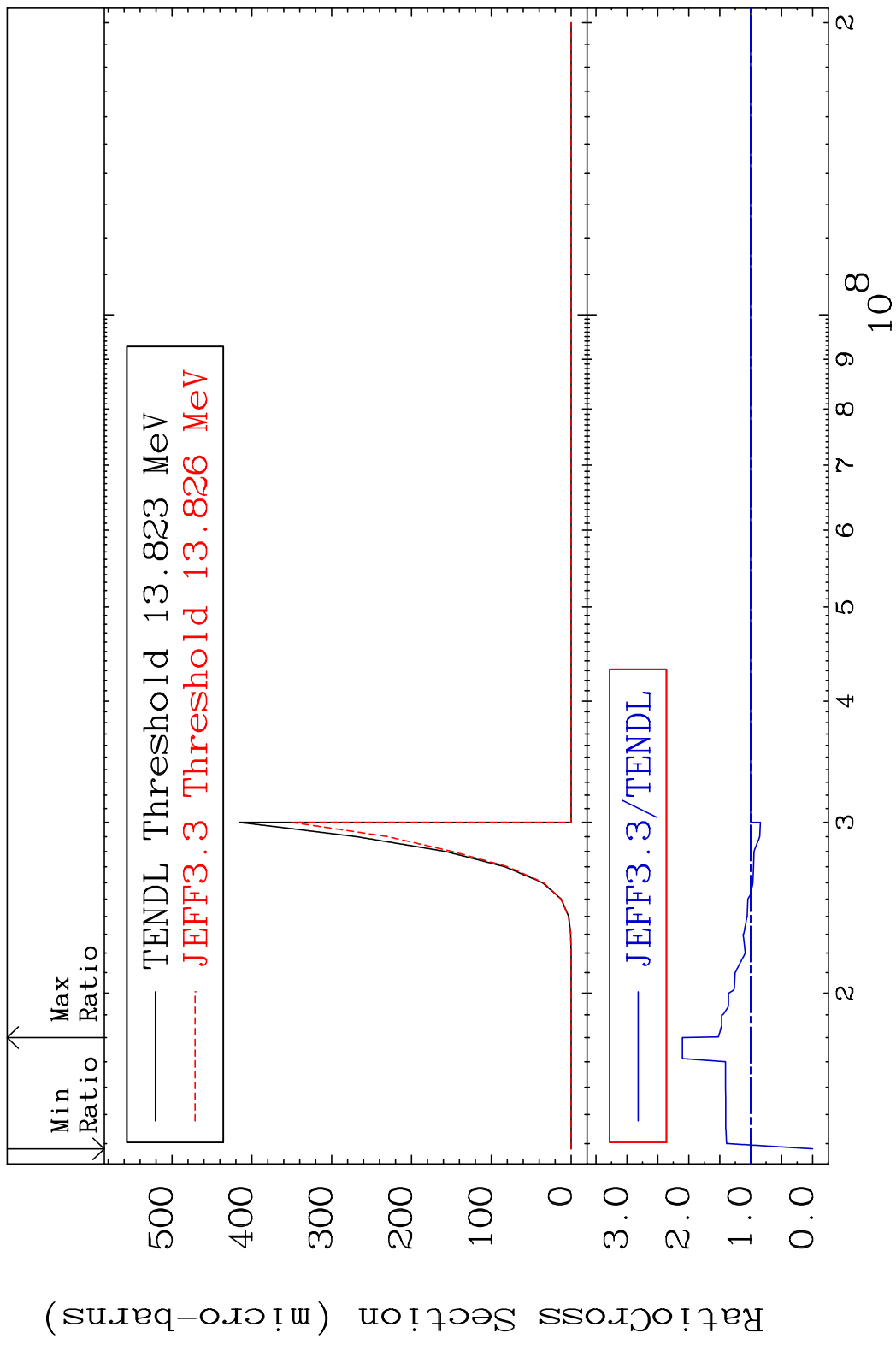


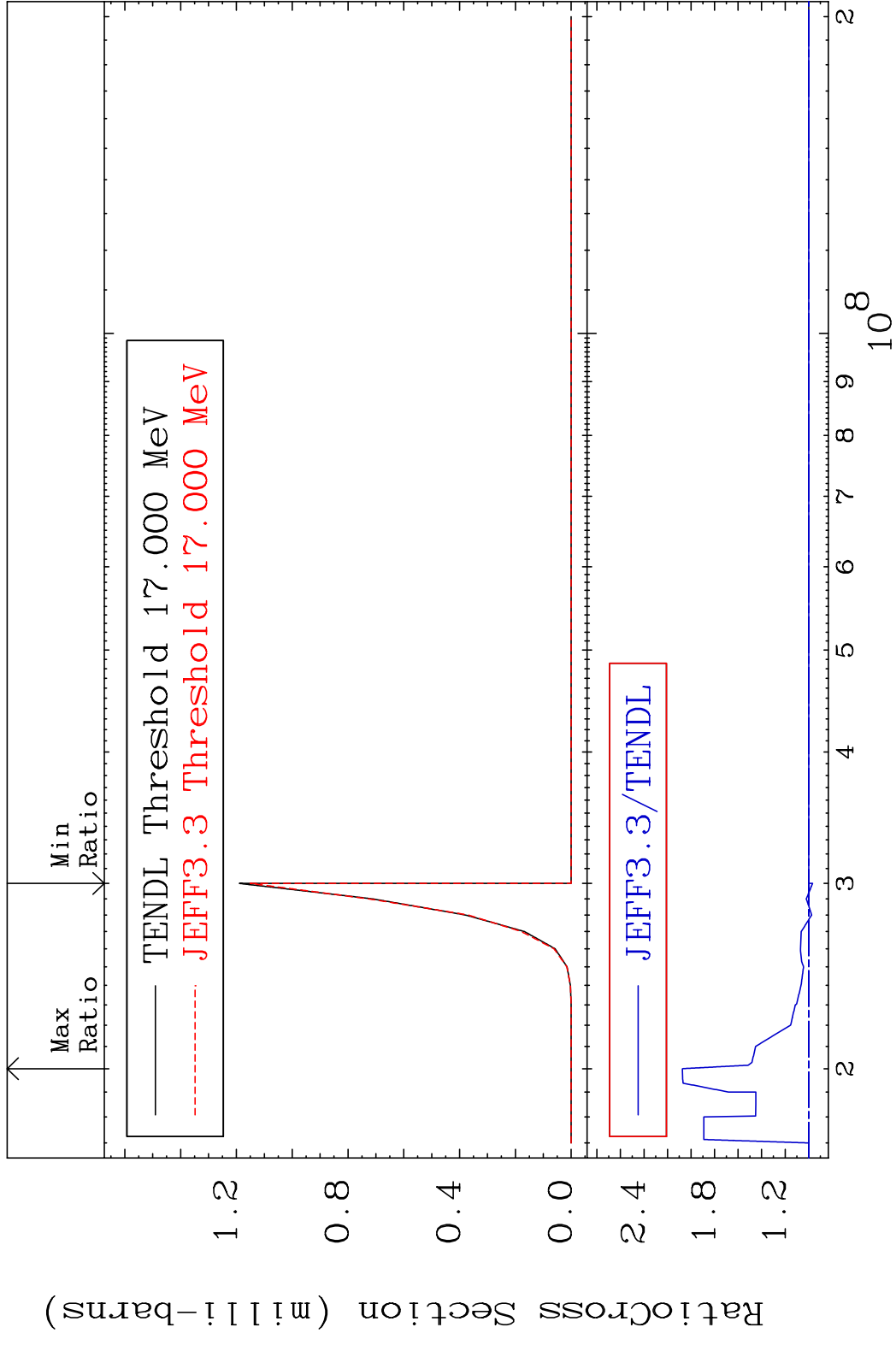


MAT 4122 (n, n') t:40-Zr-89g 41-Nb-92  
 Radionuclide Production Cross Section 180.01 dth 492.7 %



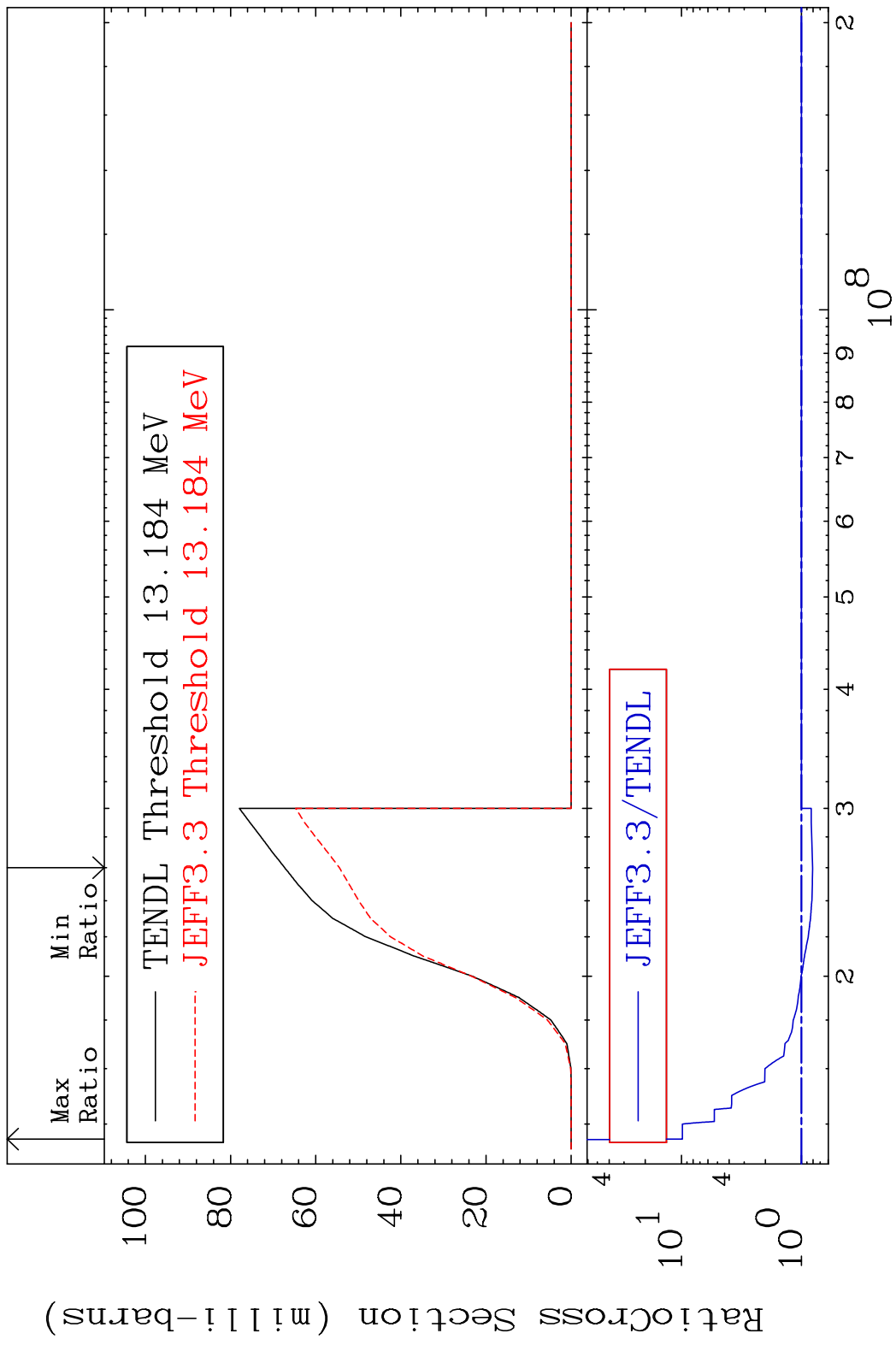




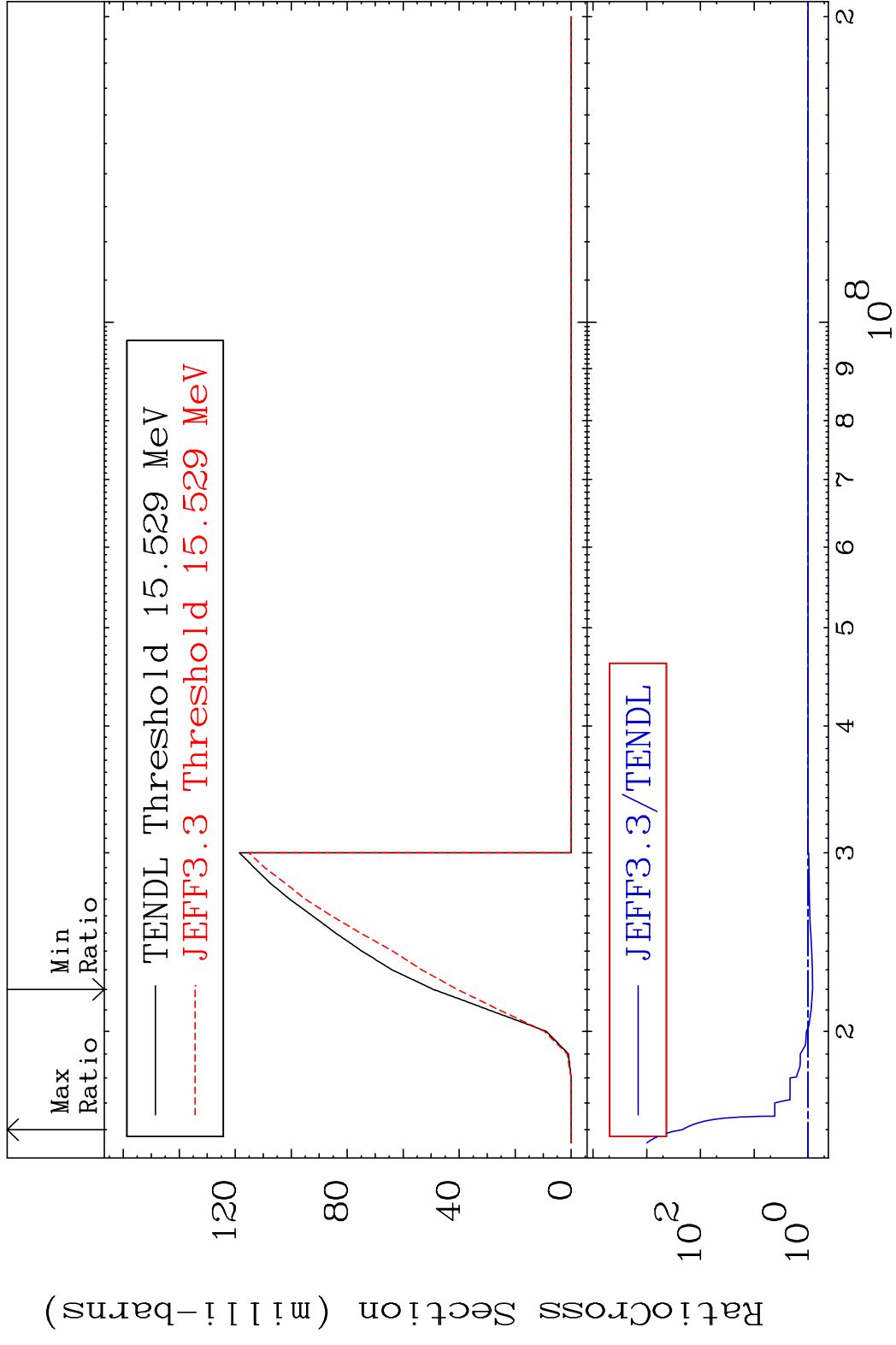


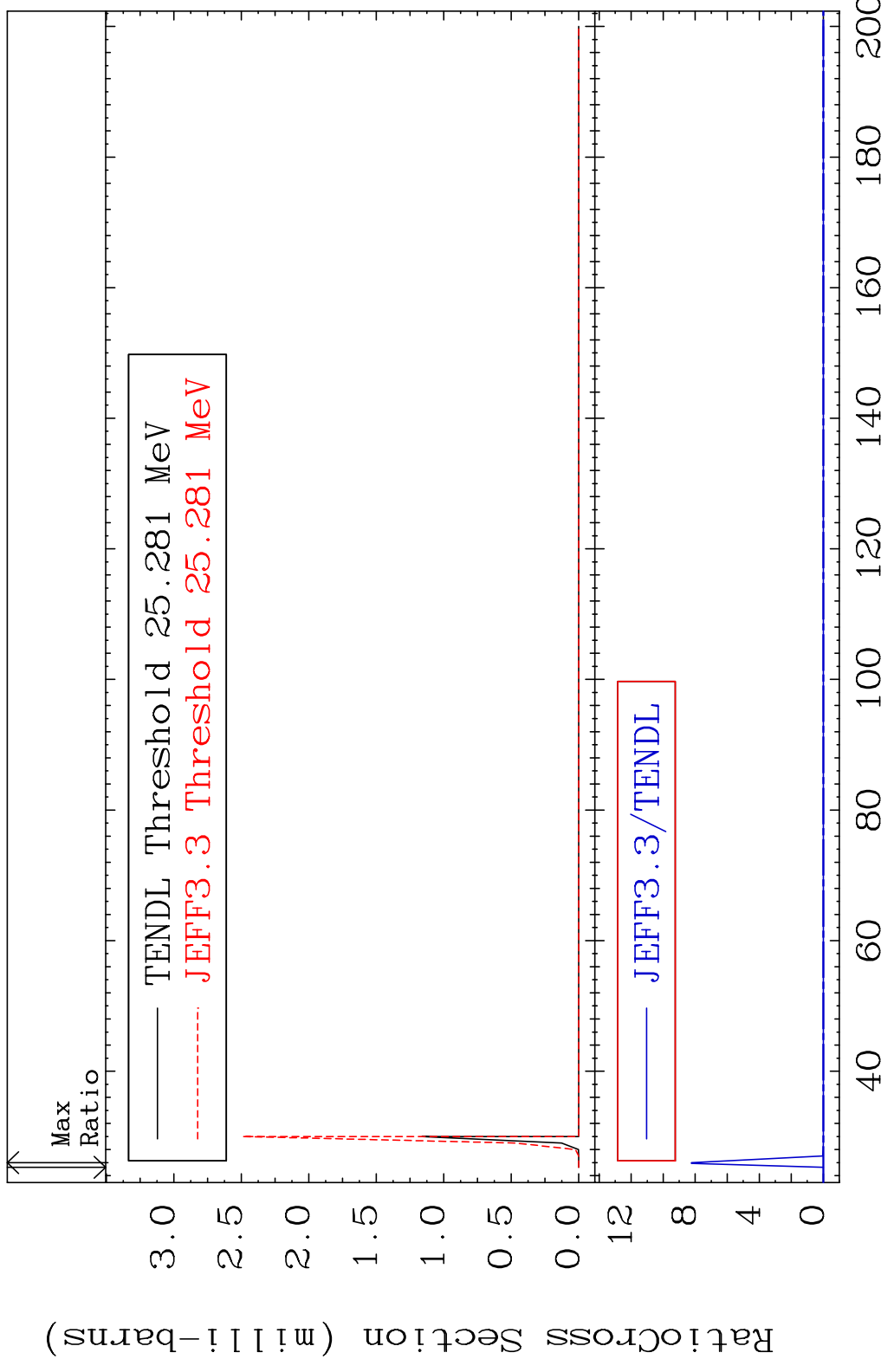


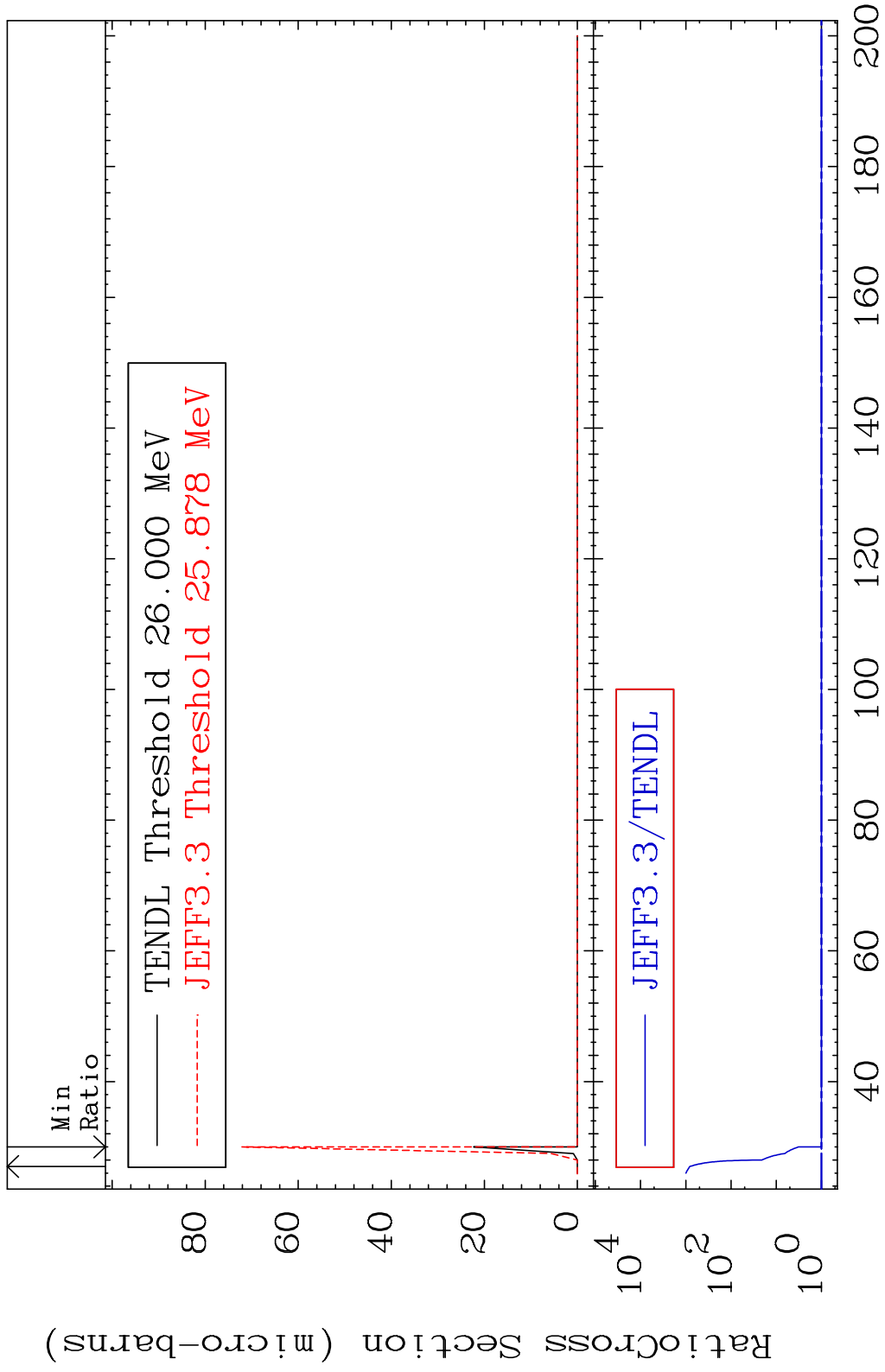
MAT 4122 (n,2n) p:40-Zr-90g 41-Nb-92  
 Radionuclide Production Cross Section 881.7 %

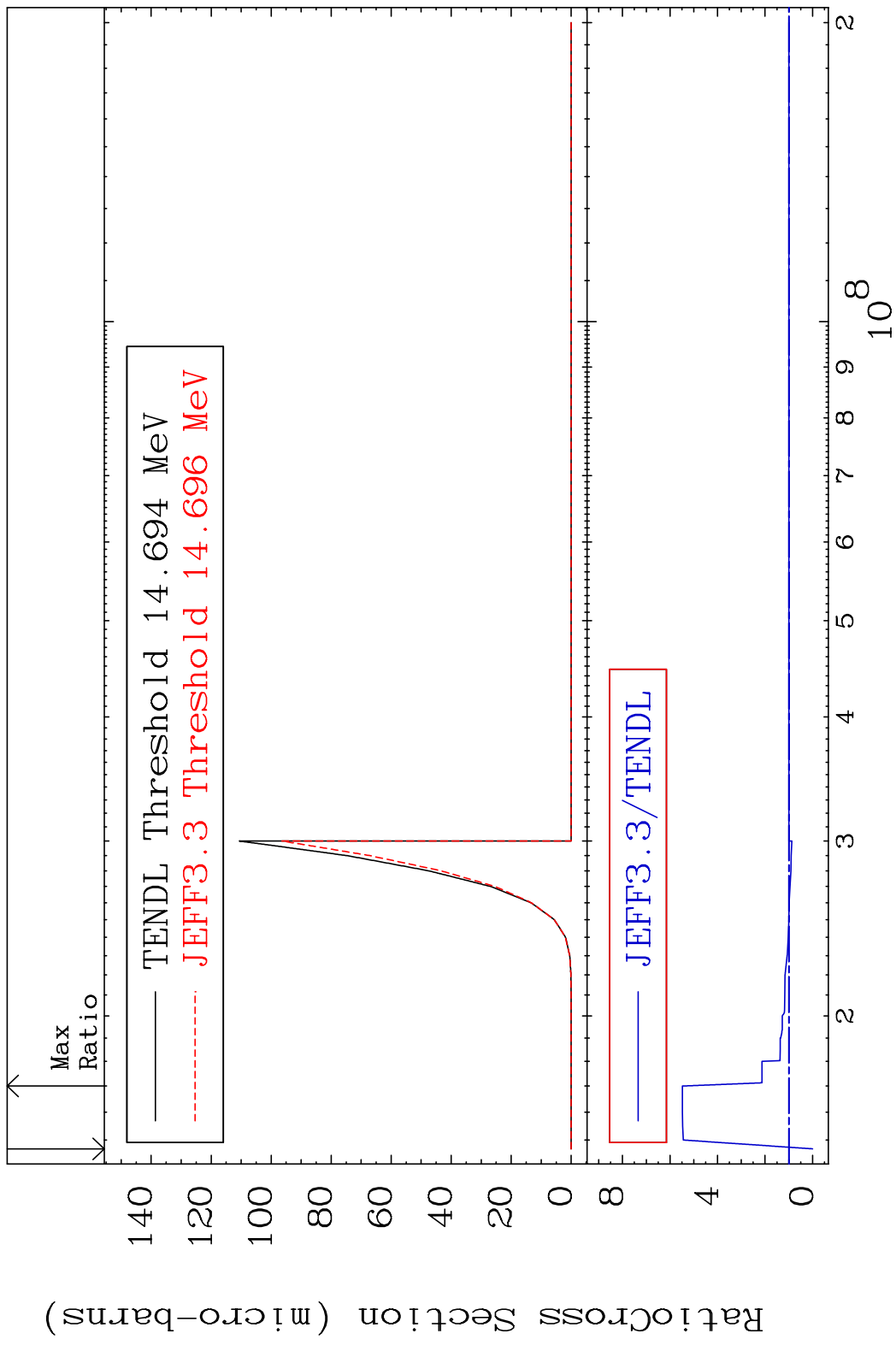


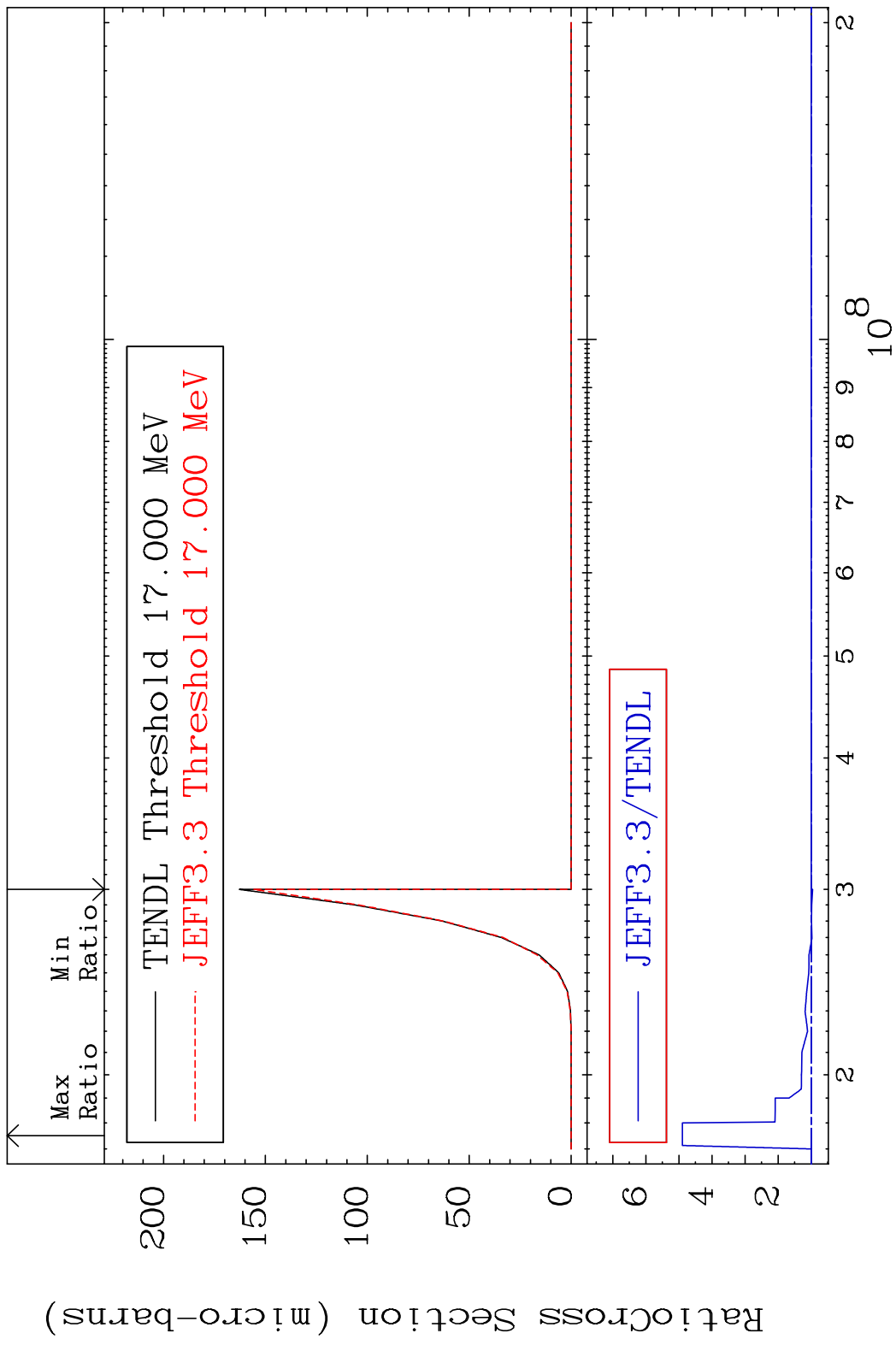
80 Incident Energy (eV) 41-Nb-92

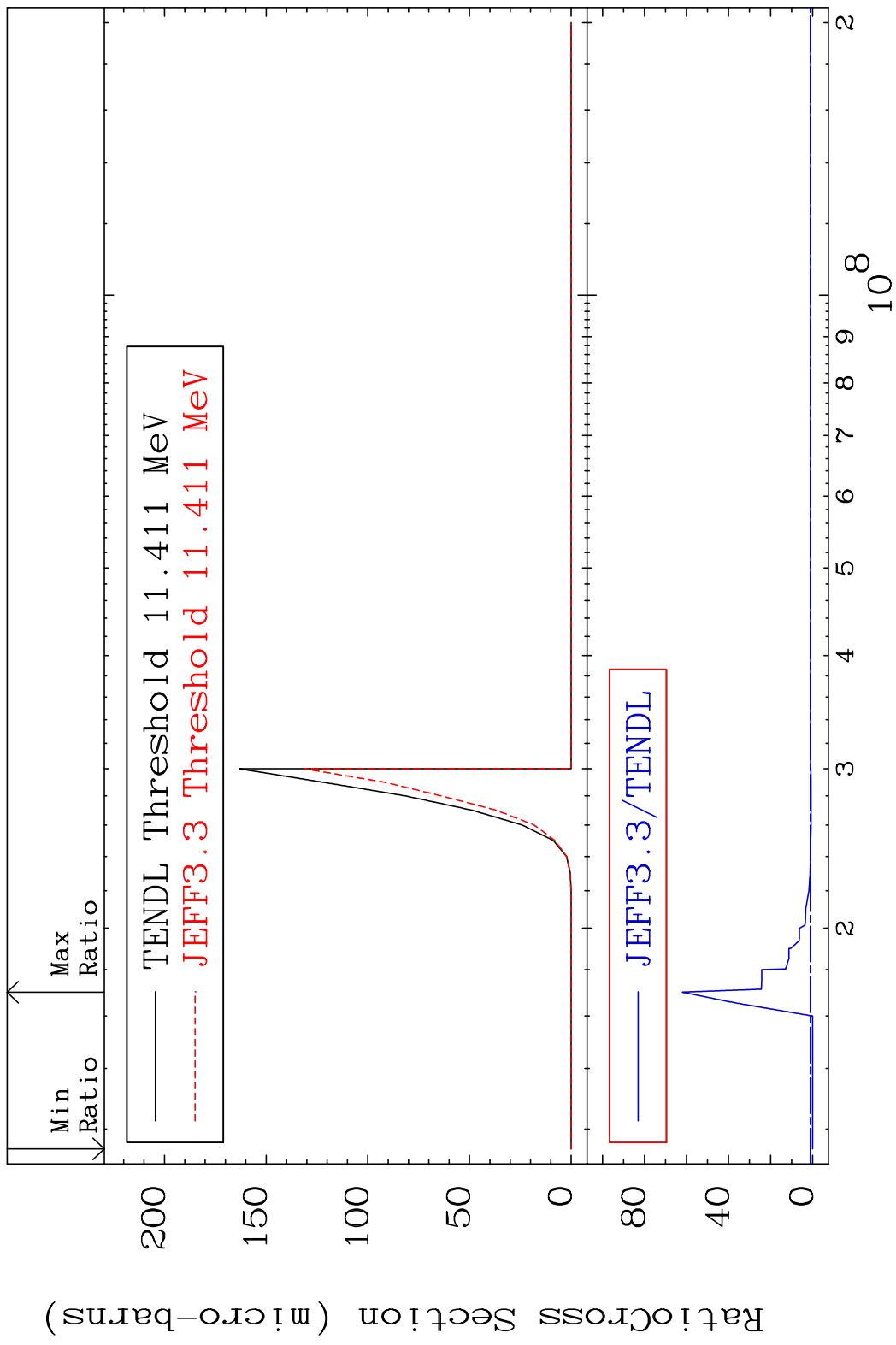


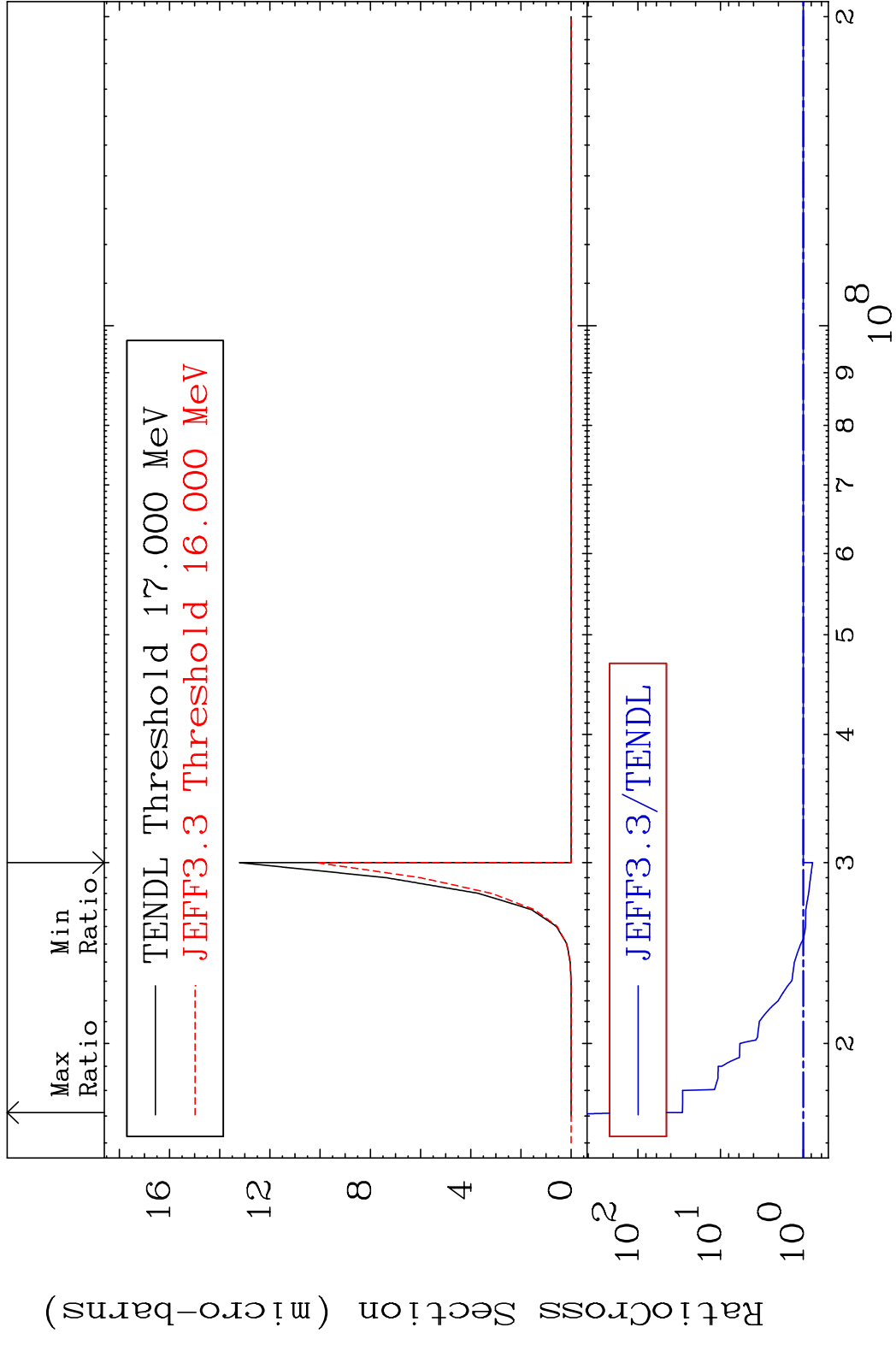






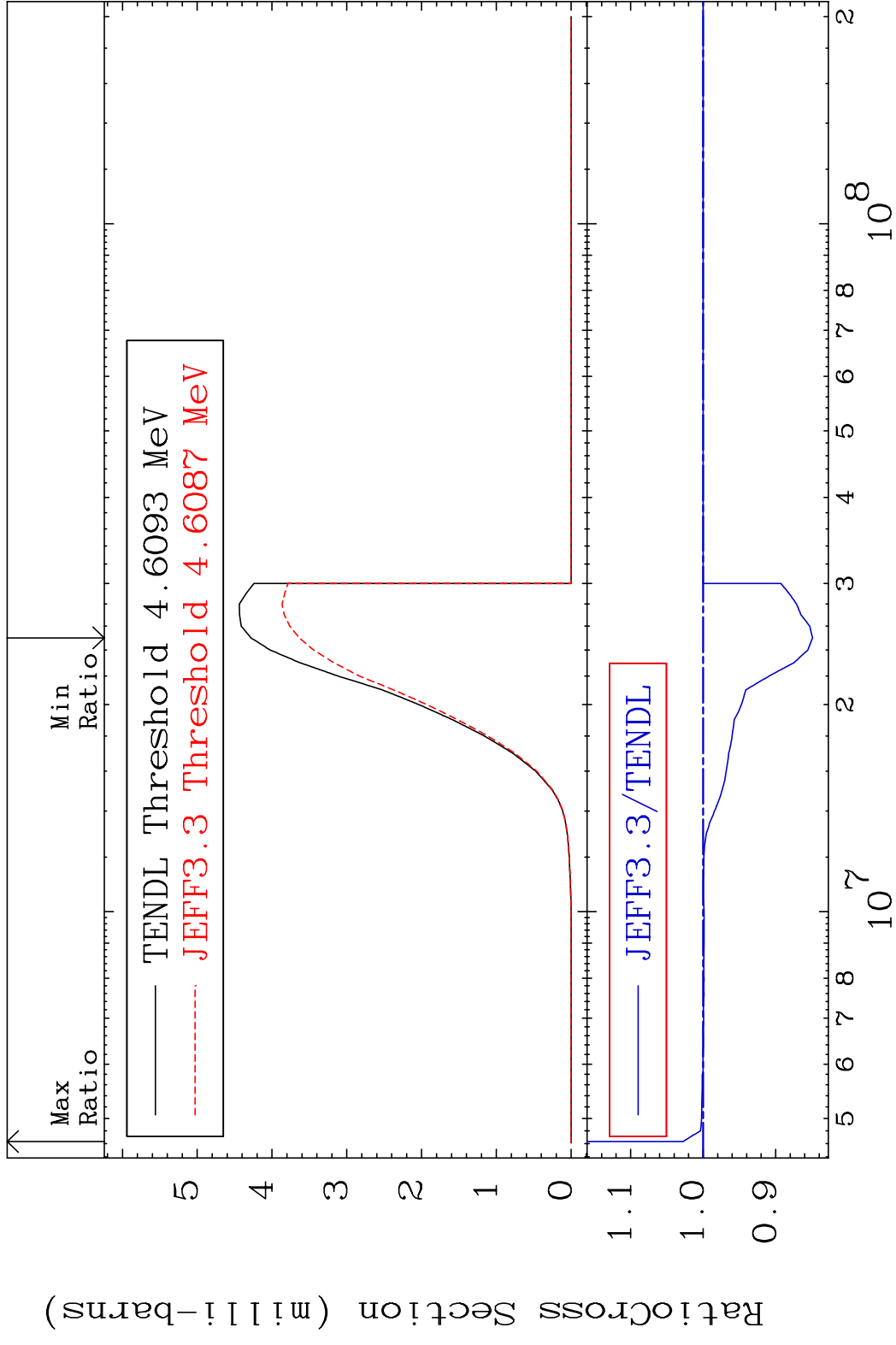




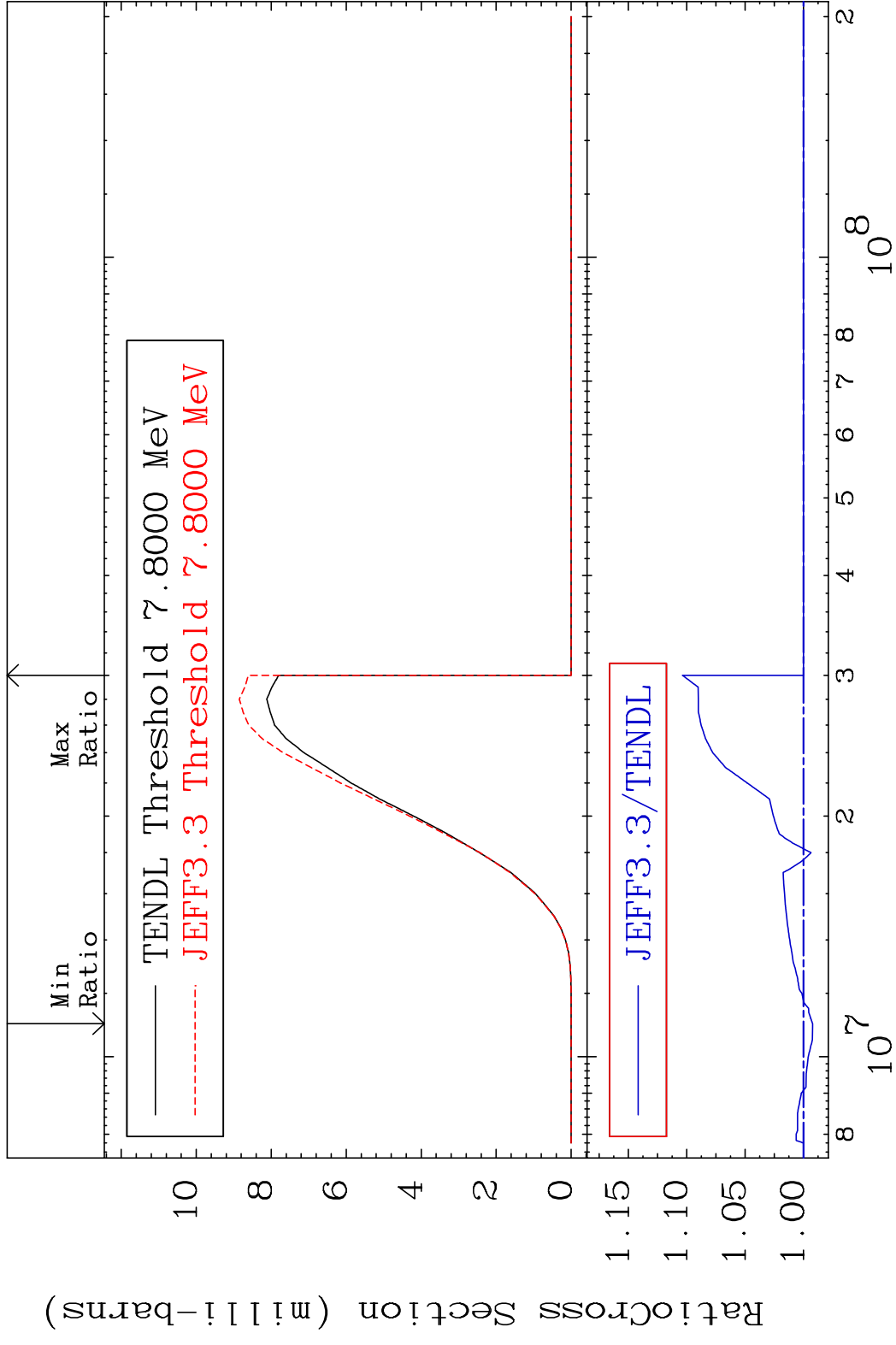




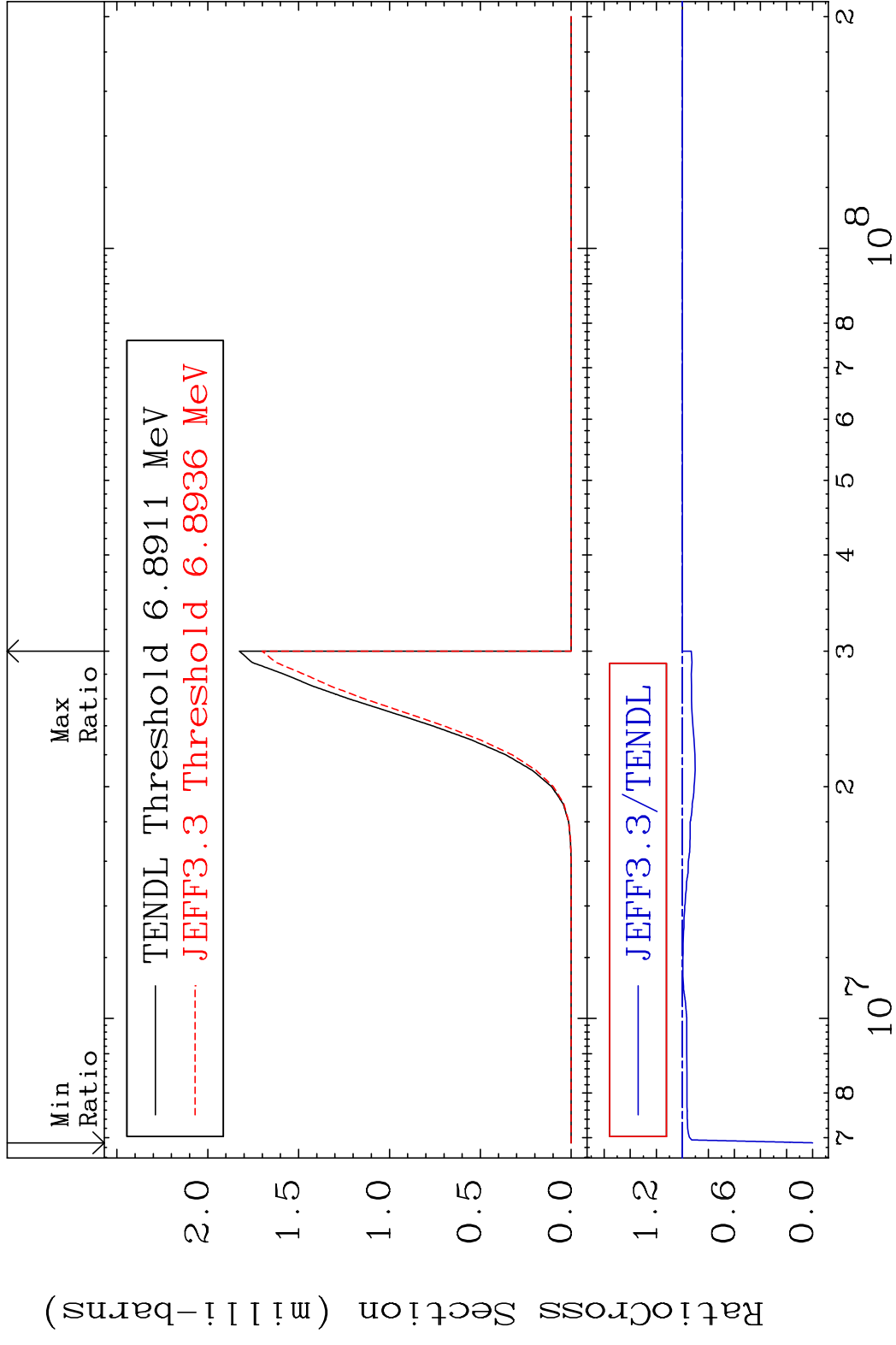
MAT 4122 (n, t): 40-Zr-90g 41-Nb-92  
 Radionuclide Production Cross Section 2.865 %



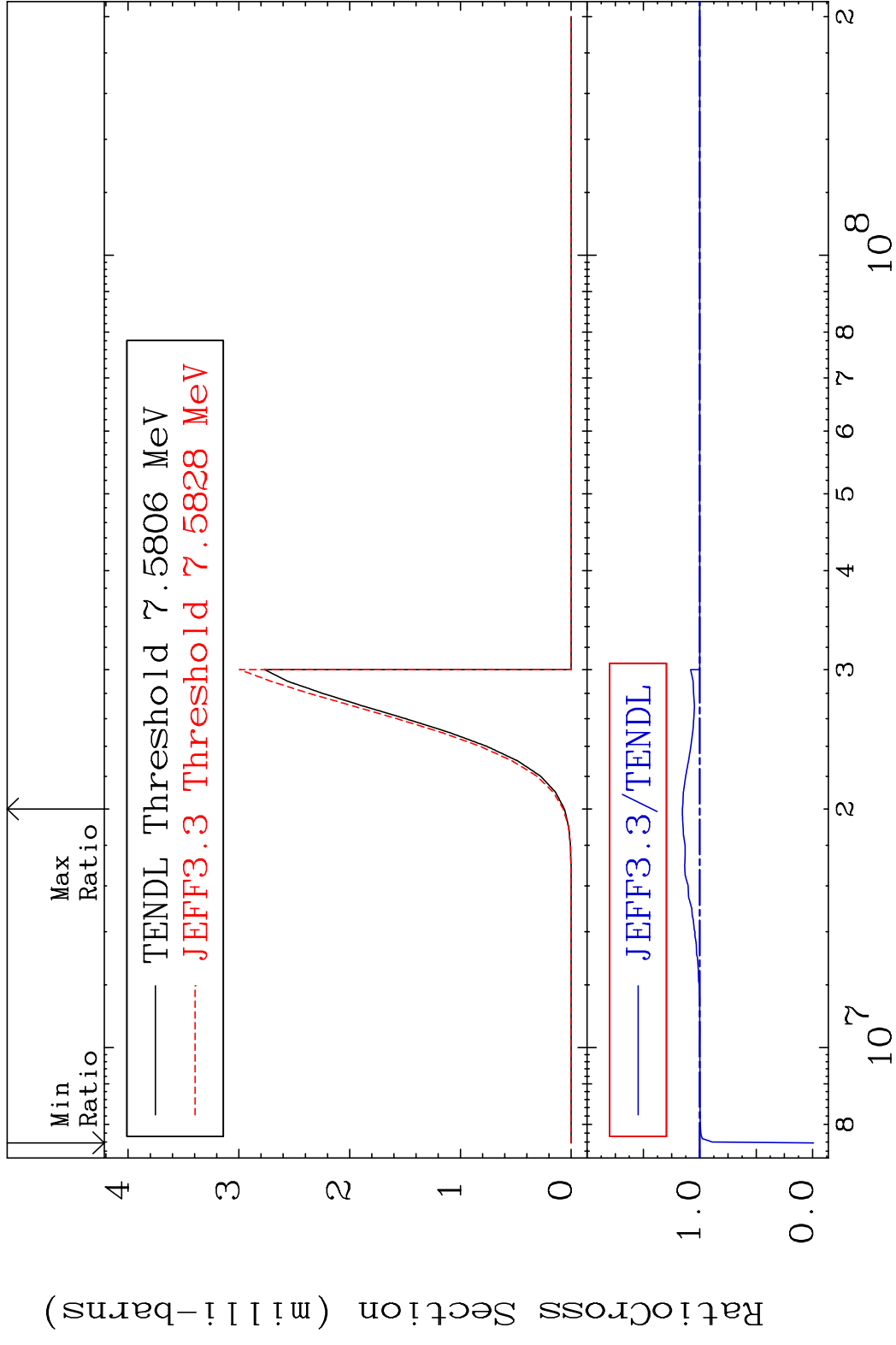
MAT 4122 (n, t): 40-Zr-90m3 41-Nb-92  
 Radionuclide Production Cross Section 10.38 %



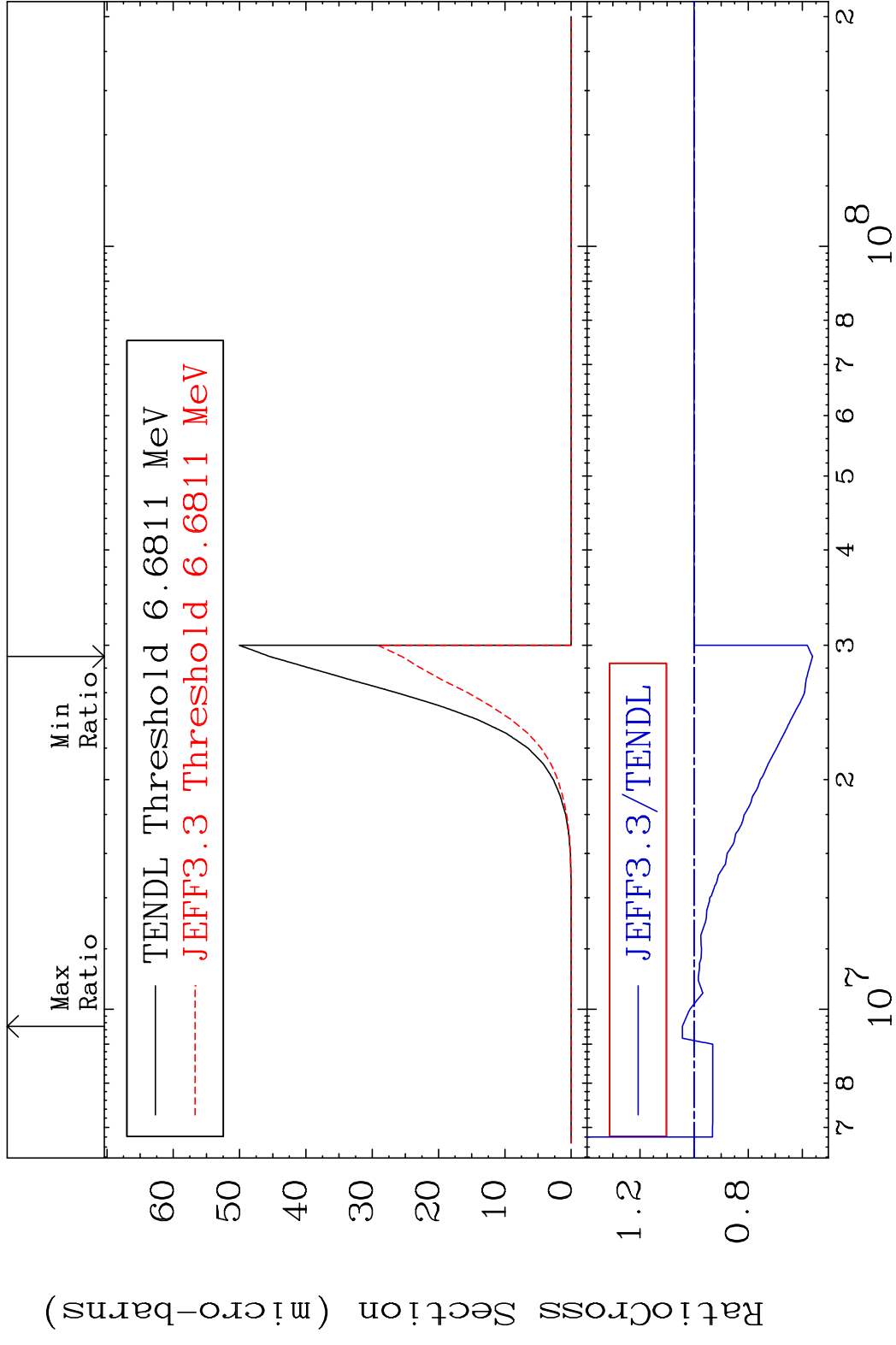
MAT 4122 (n, He-3):39-Y -90g 41-Nb-92  
 Radionuclide Production Cross Section Ratio 0.000 %



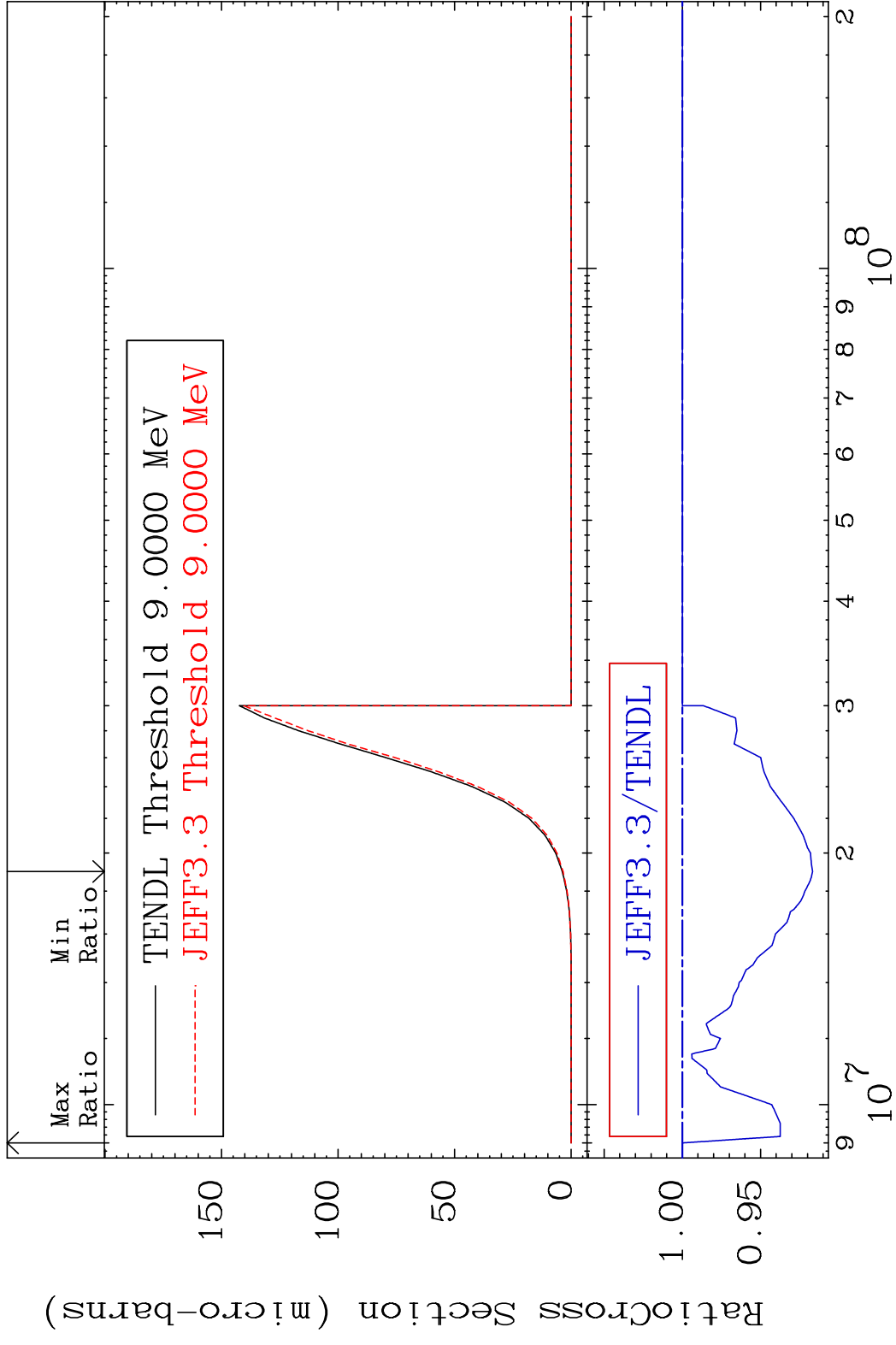
MAT 4122 (n, He-3):39-Y -90m2 41-Nb-92  
 Radionuclide Production Cross Section 15.48 %



MAT 4122 (n,2p):39-Y -91g 41-Nb-92  
 Radionuclide Production Cross Section 4.328 %

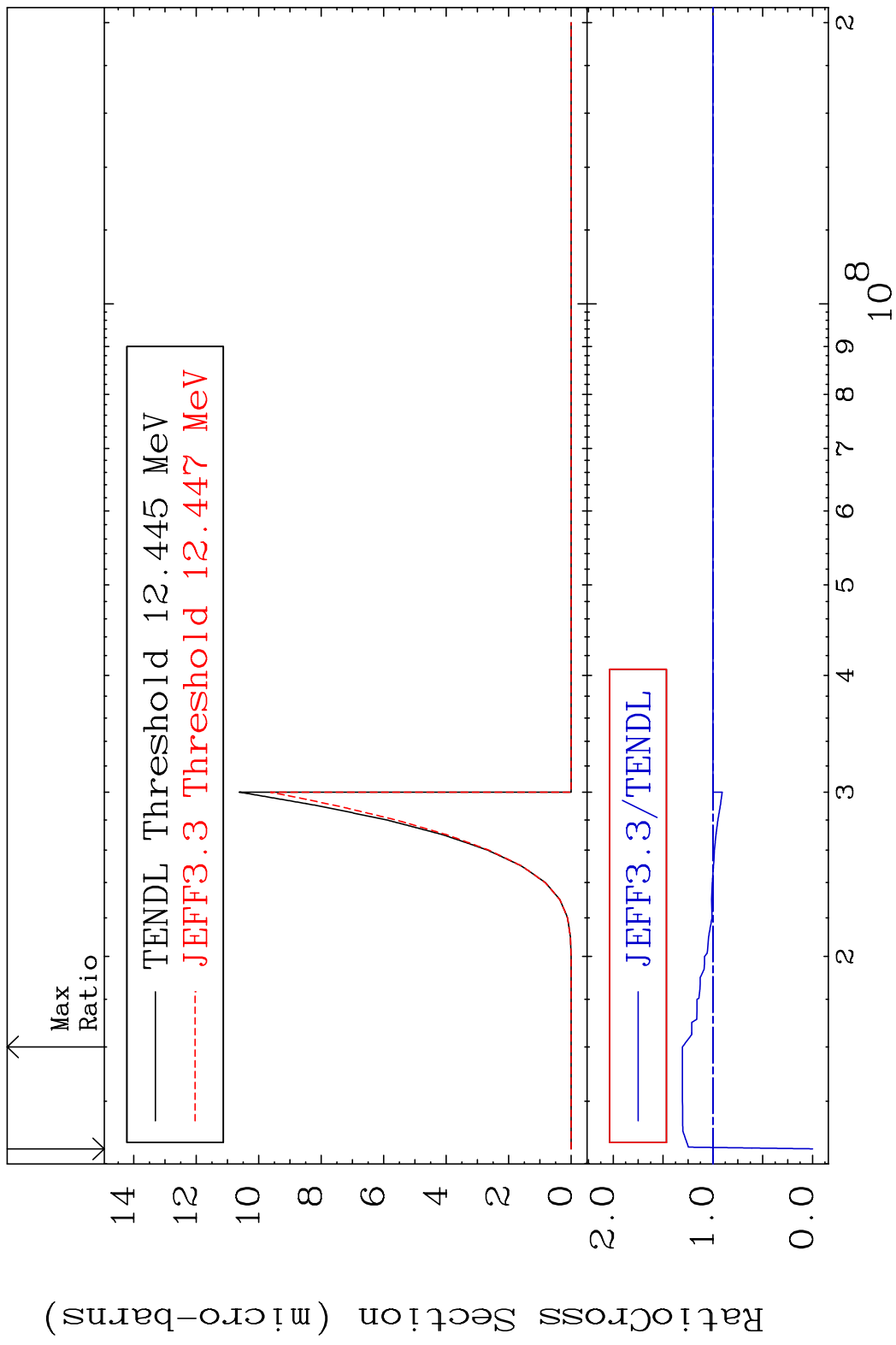


MAT 4122 (n,2p):39-Y -91m1 41-Nb-92  
 Radionuclide Production Cross Section 0.000 %

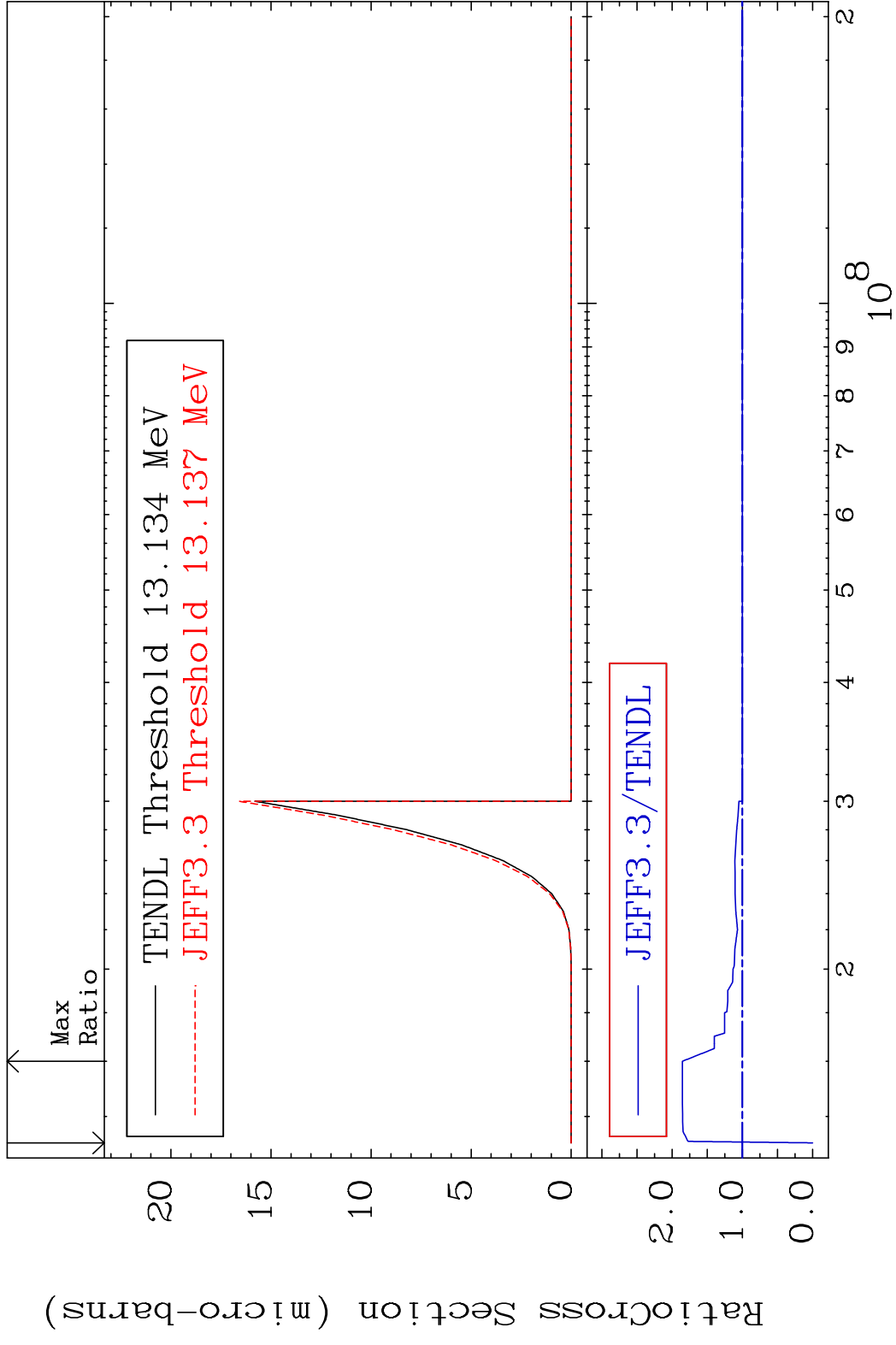


93 41-Nb-92

MAT 4122 (n,p) d:39-Y -90g 41-Nb-92  
 Radionuclide Production Cross Section 180.01 dth 30.66 %

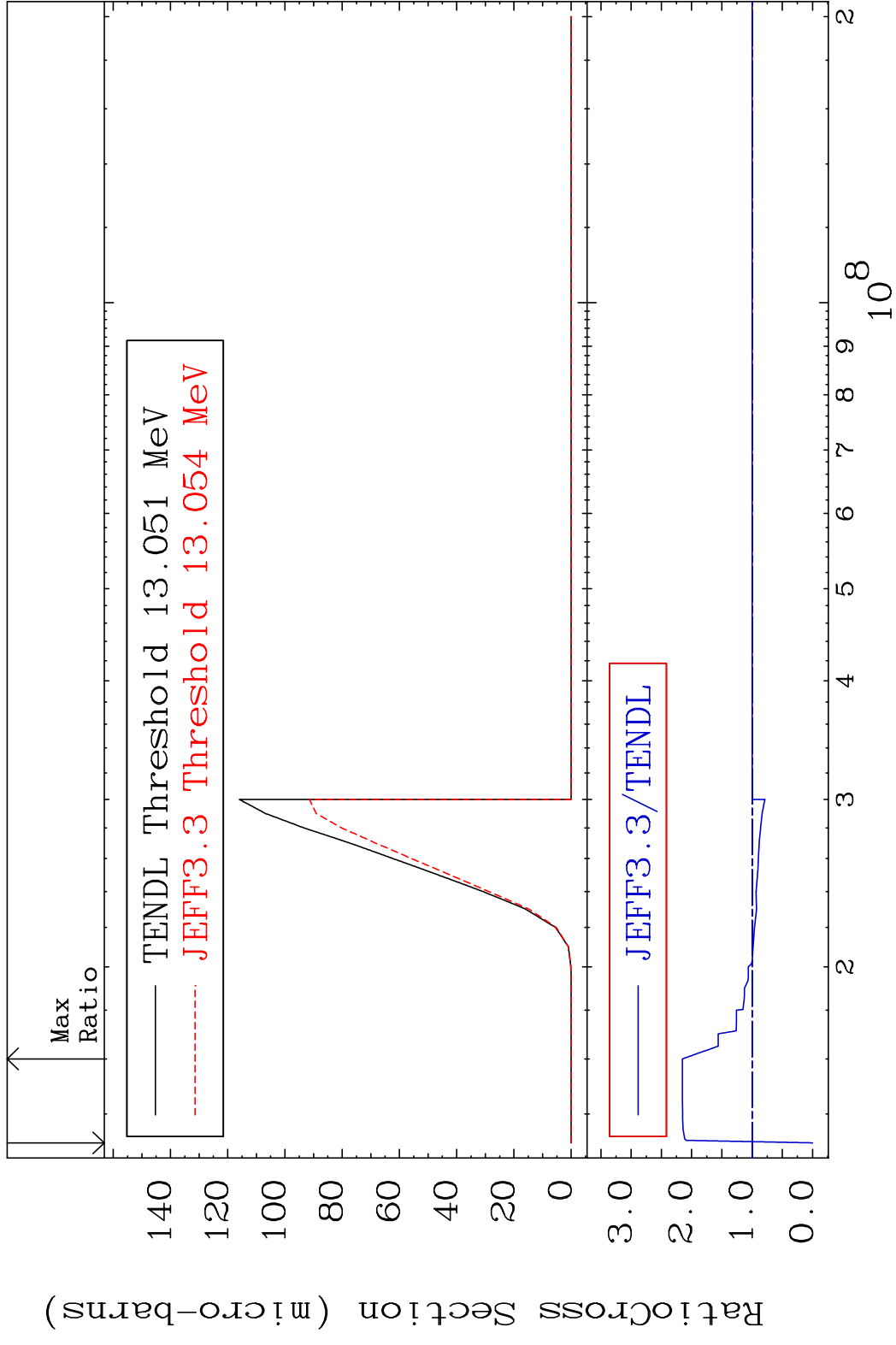


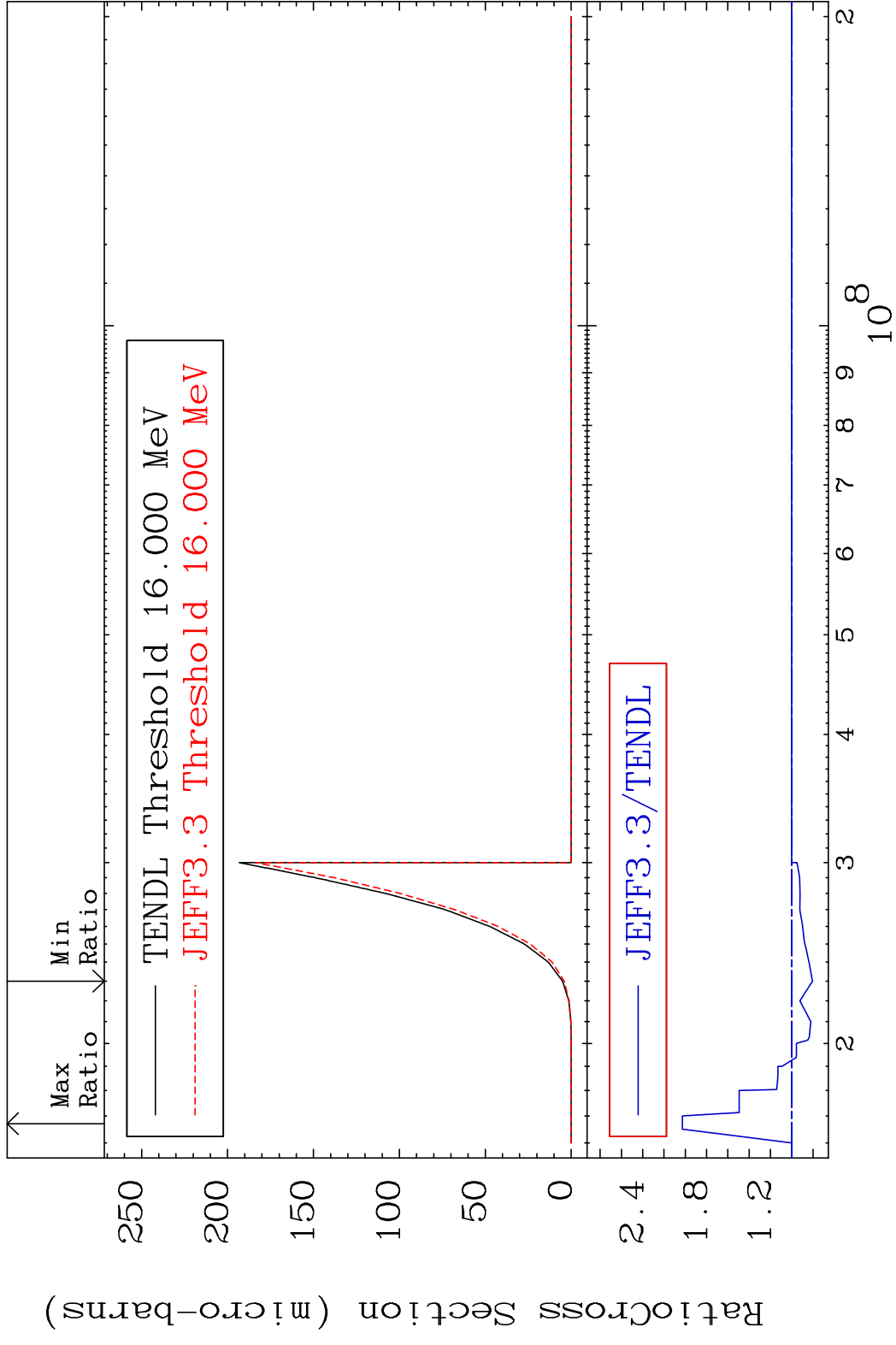
MAT 4122 (n,p) d:39-Y -90m2 41-Nb-92  
 Radionuclide Production Cross Section 1800 d to 85.50 %



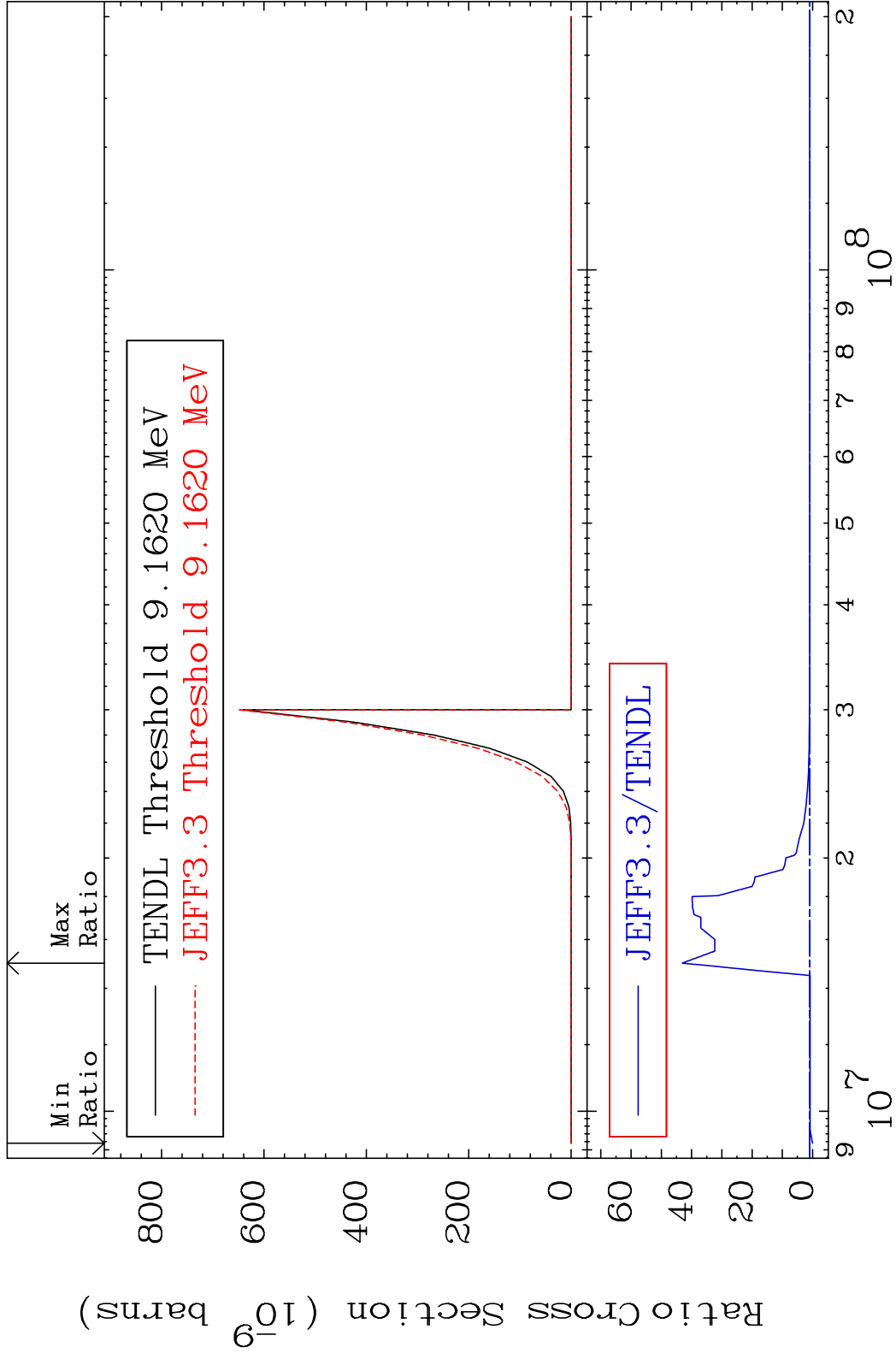


MAT 4122 (n, p) t:39-Y -89g 41-Nb-92  
 Radionuclide Production Cross Section 180c0i d10 115.3 %





MAT 4122 (n, d)  $\alpha$ :38-Sr-87g 41-Nb-92  
 Radionuclide Production Cross Section 1800 d to 4205. %



98 Incident Energy (eV) 41-Nb-92

