

Program Complot  
(Version 2021-1)

by

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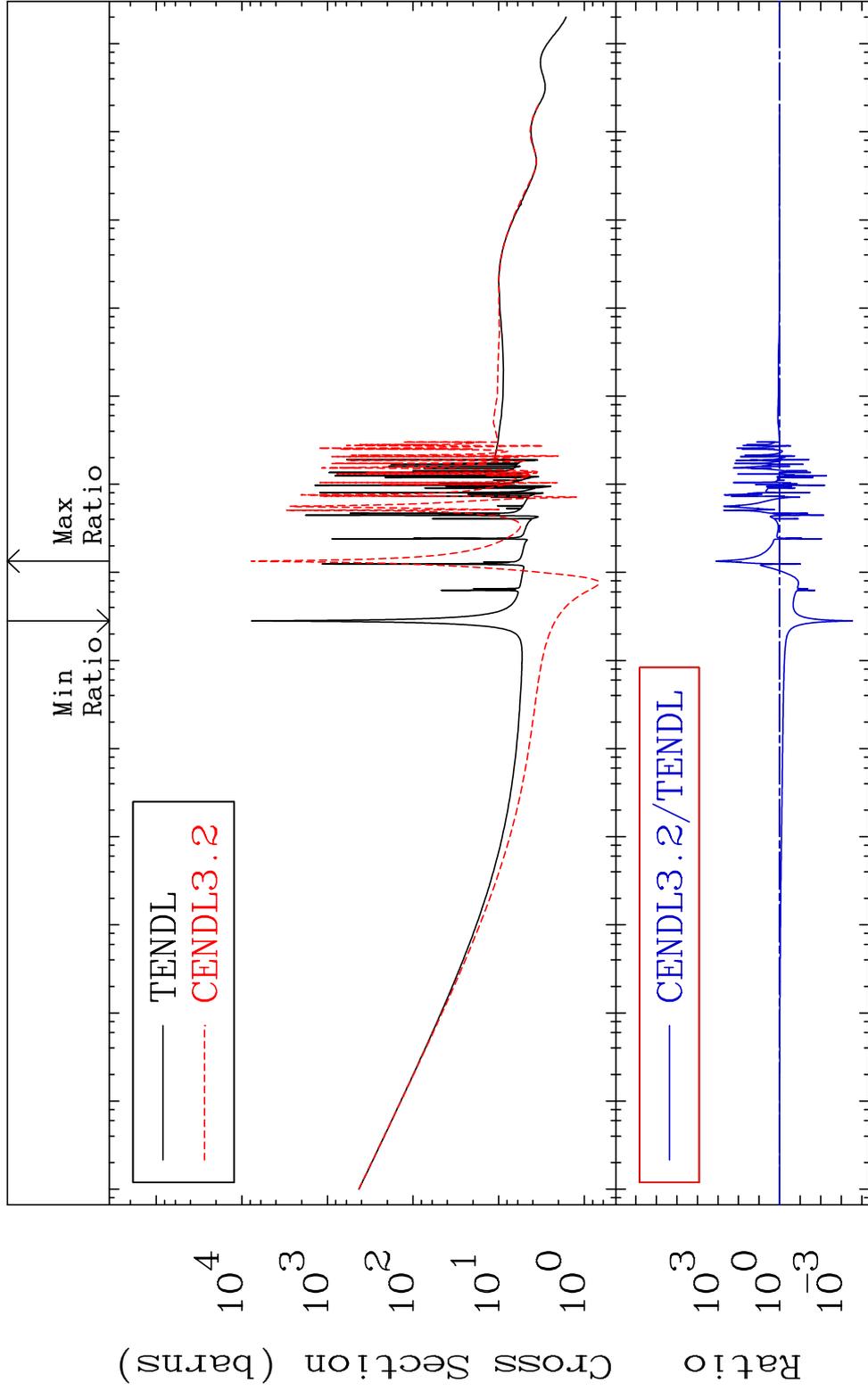
Press Mouse Button to Start

MAT 4228

Total

42-Mo-93

Cross Section -99.97 To 9999. %



Min Ratio

Max Ratio

— TENDL  
- - - CENDL3.2

— CENDL3.2/TENDL

Cross Section (barns)

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>

1

Incident Energy (eV)

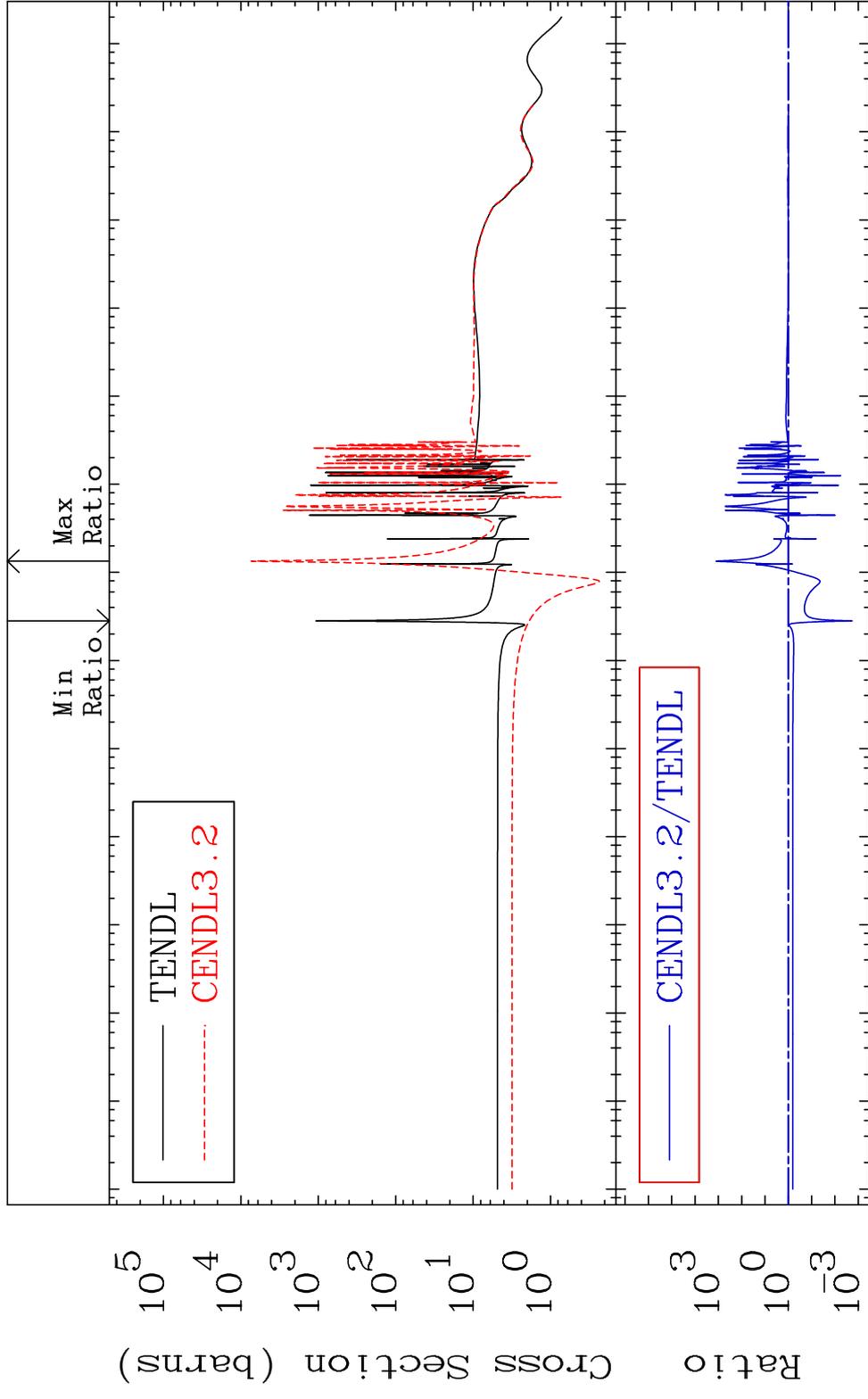
42-Mo-93

MAT 4228

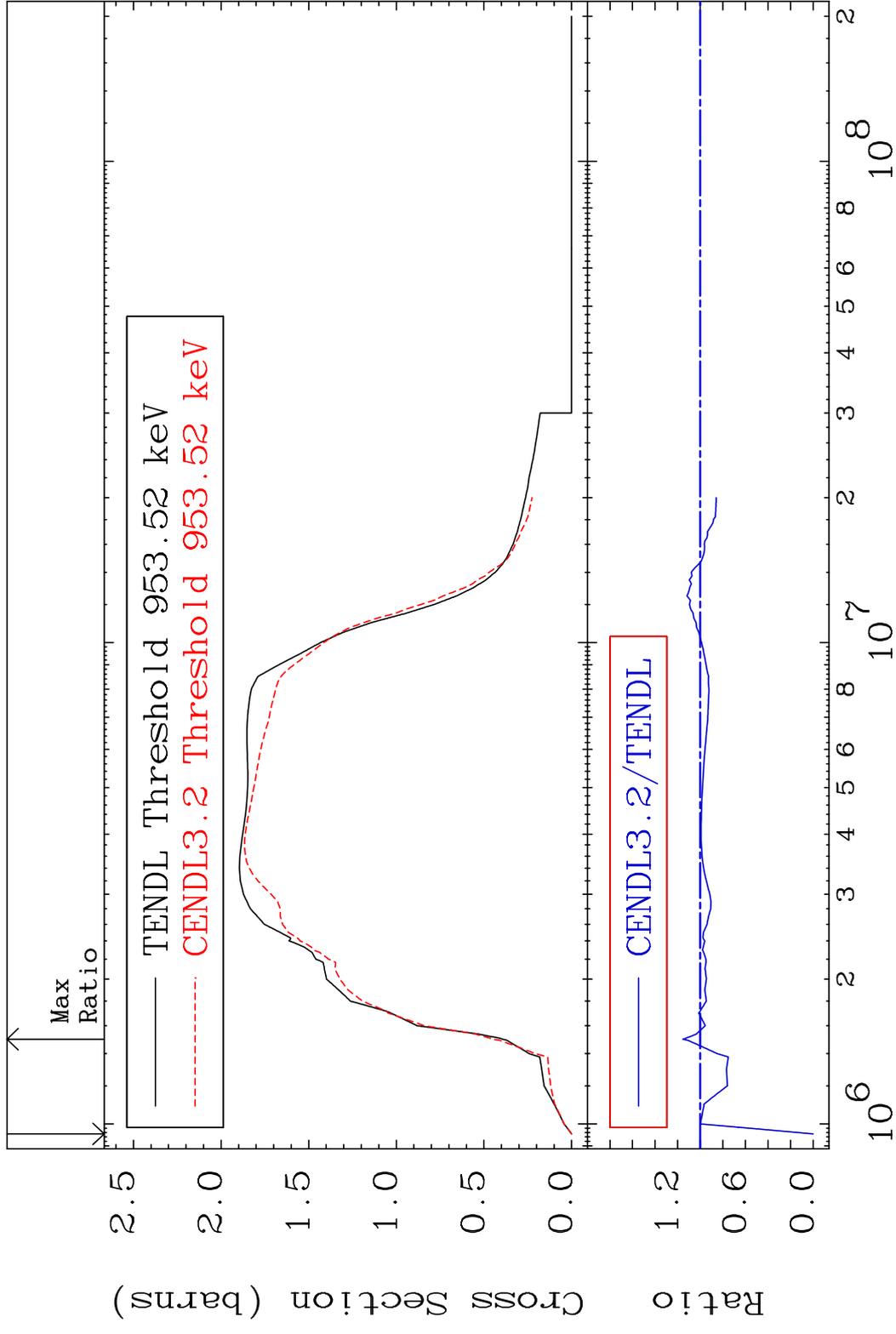
42-Mo-93

Elastic

Cross Section -99.82 To 9999. %



MAT 4228 Inelastic 42-Mo-93  
 Cross Section -100.0 To 15.44 %



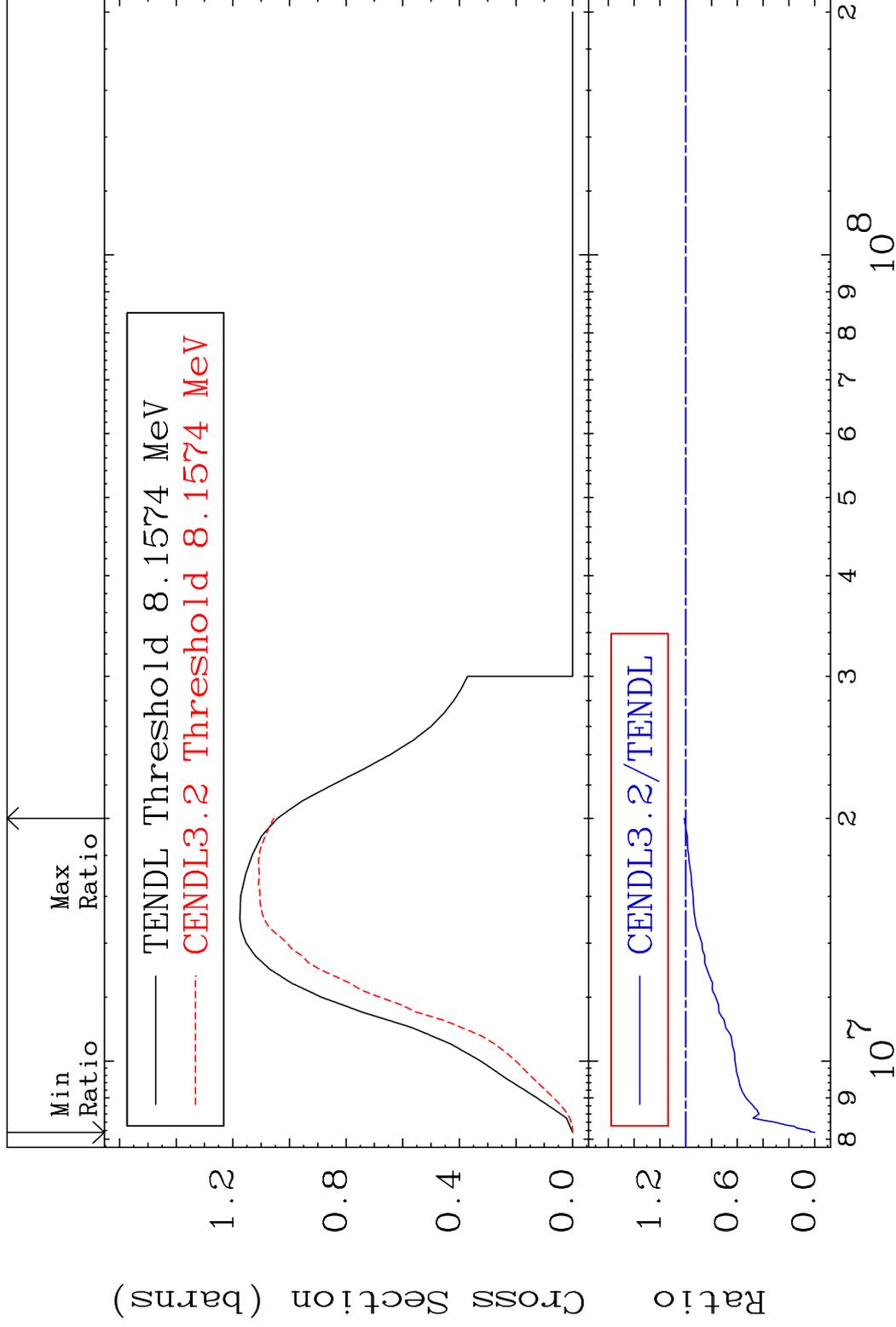
3 Incident Energy (eV) 42-Mo-93

MAT 4228

(n,2n)

42-Mo-93

Cross Section -100.0 To 1.217 %



4

Incident Energy (eV)

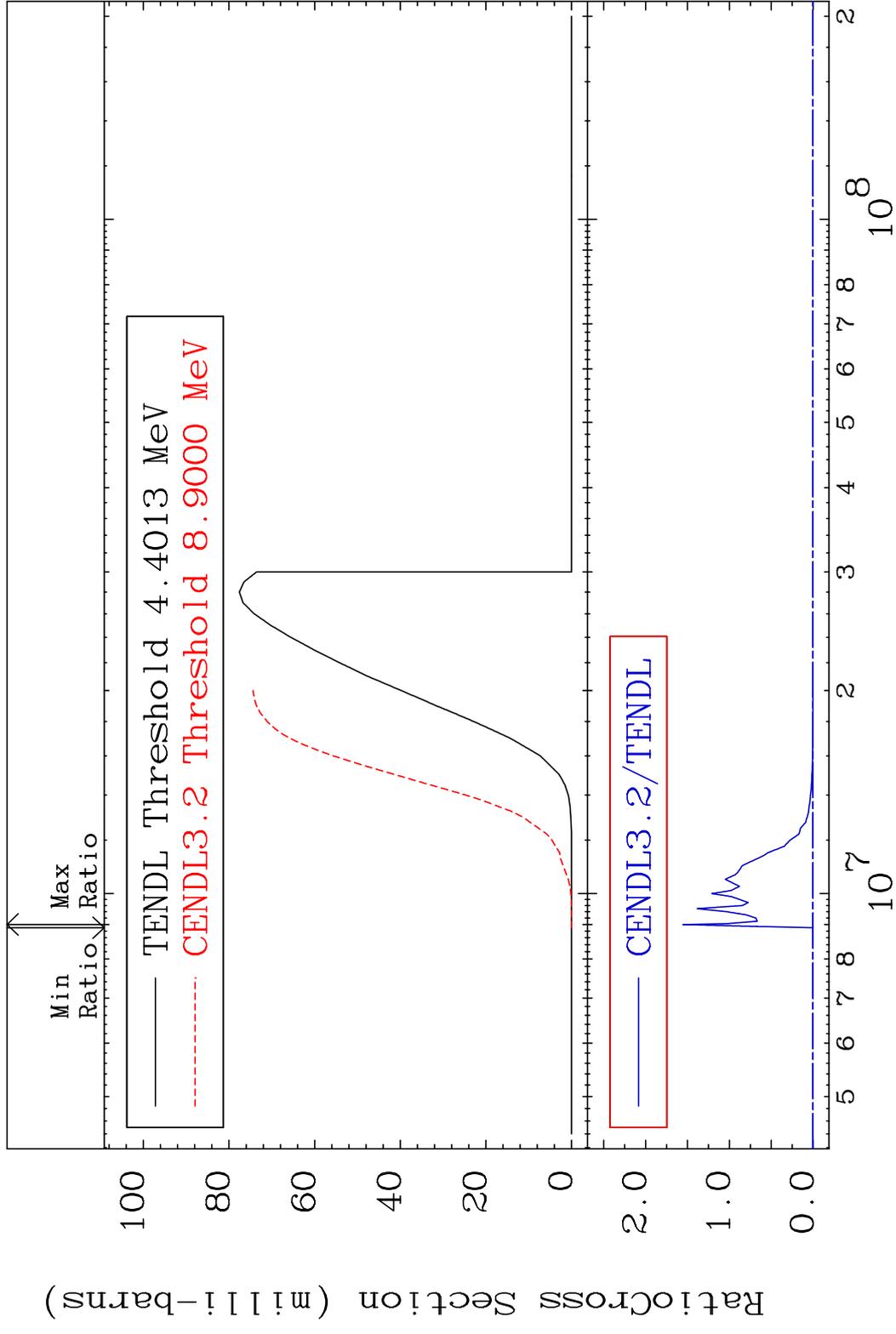
42-Mo-93

MAT 4228

(n, n')  $\alpha$

42-Mo-93

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

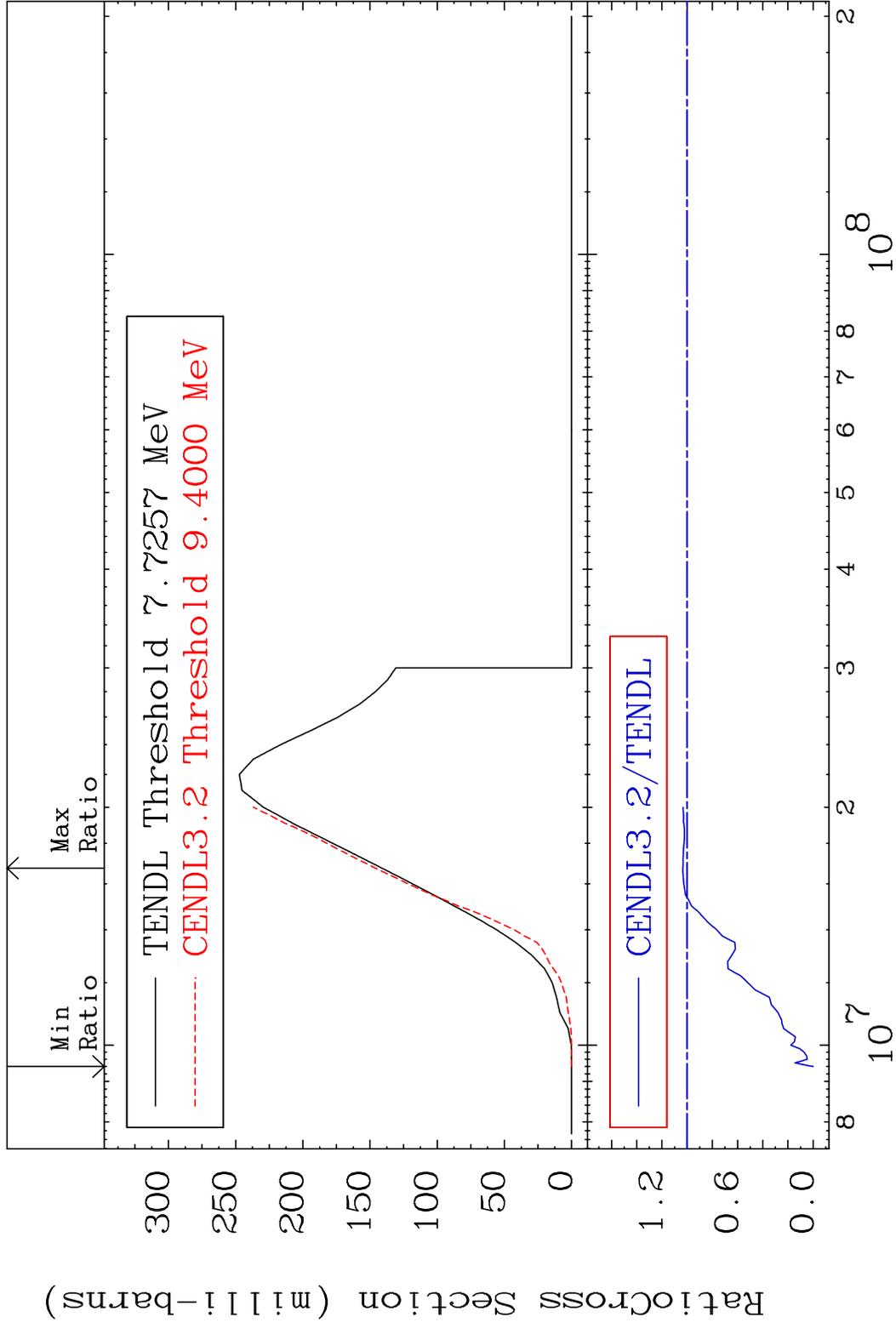
42-Mo-93

MAT 4228

(n, n') p

42-Mo-93

Cross Section -100.0 To 3.437 %

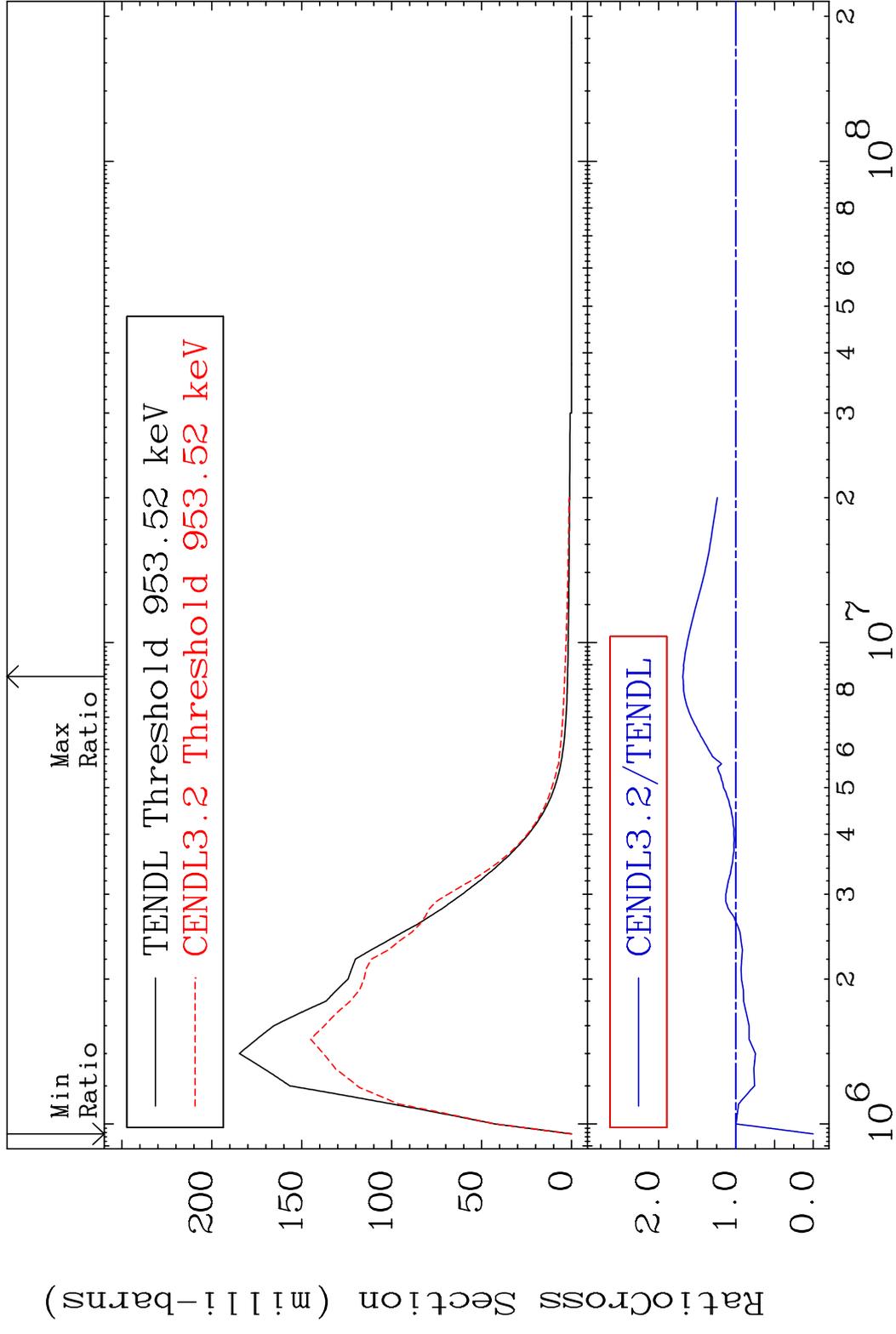


6

Incident Energy (eV)

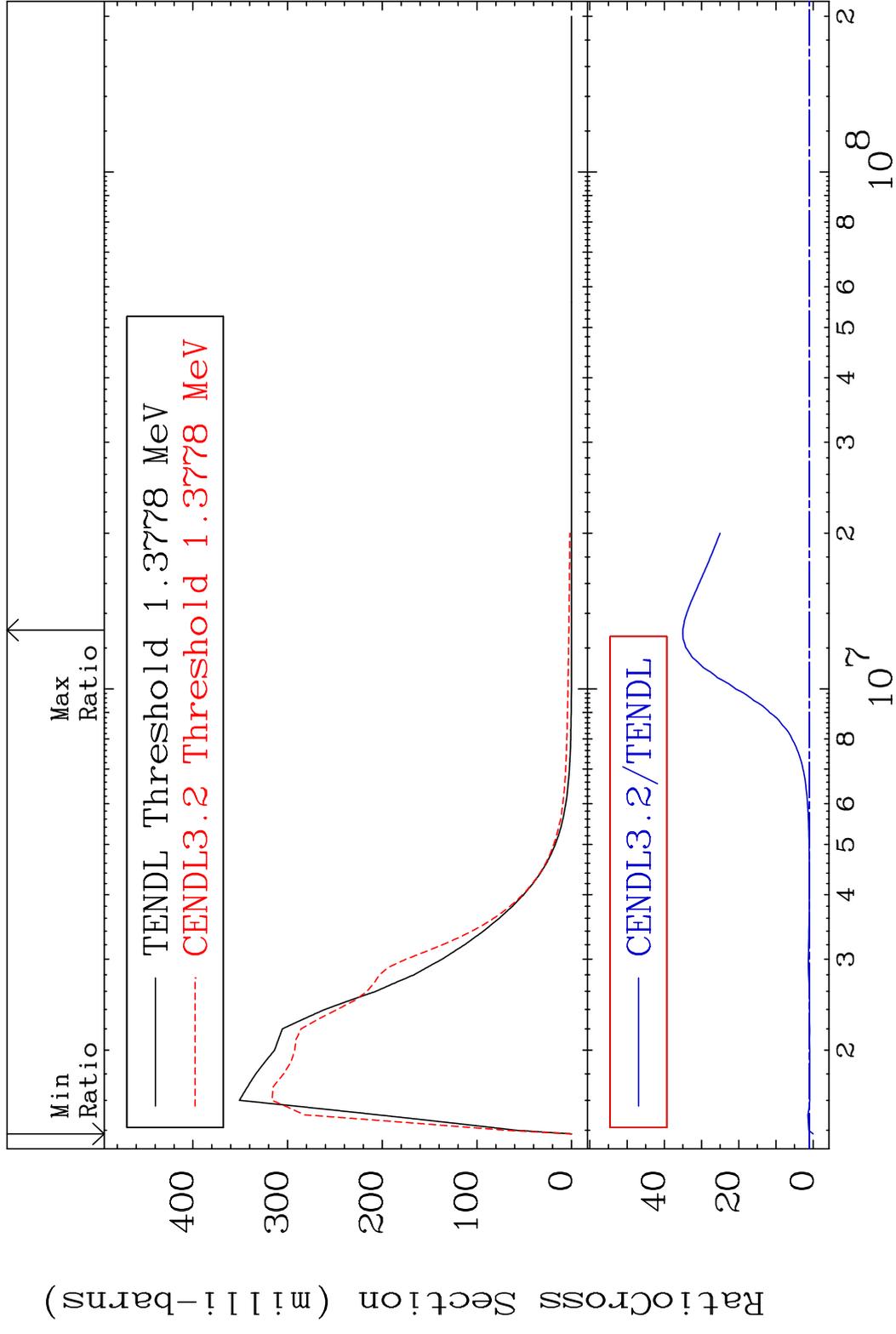
42-Mo-93

MAT 4228 MT= 51 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 68.70 %

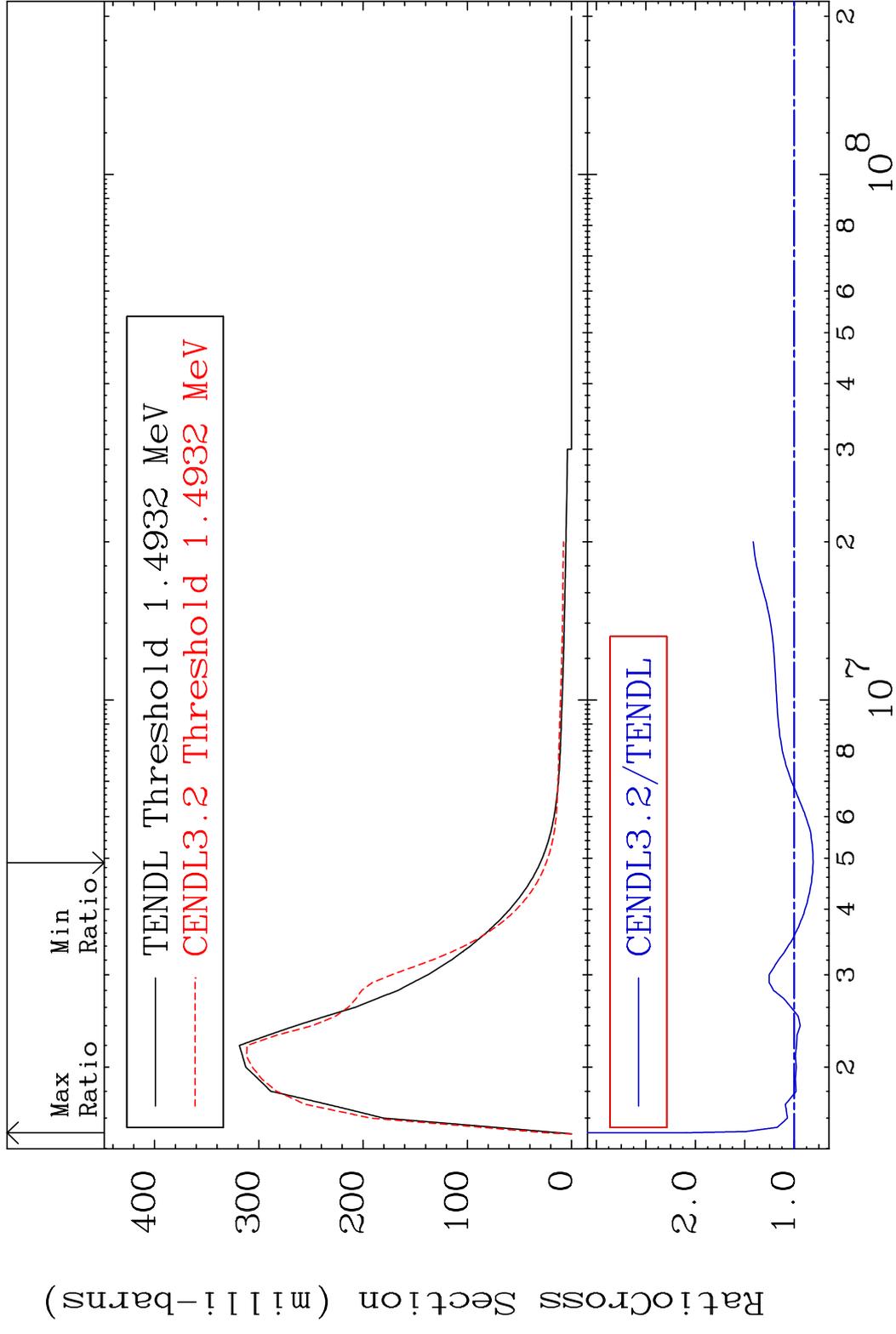


7 42-Mo-93

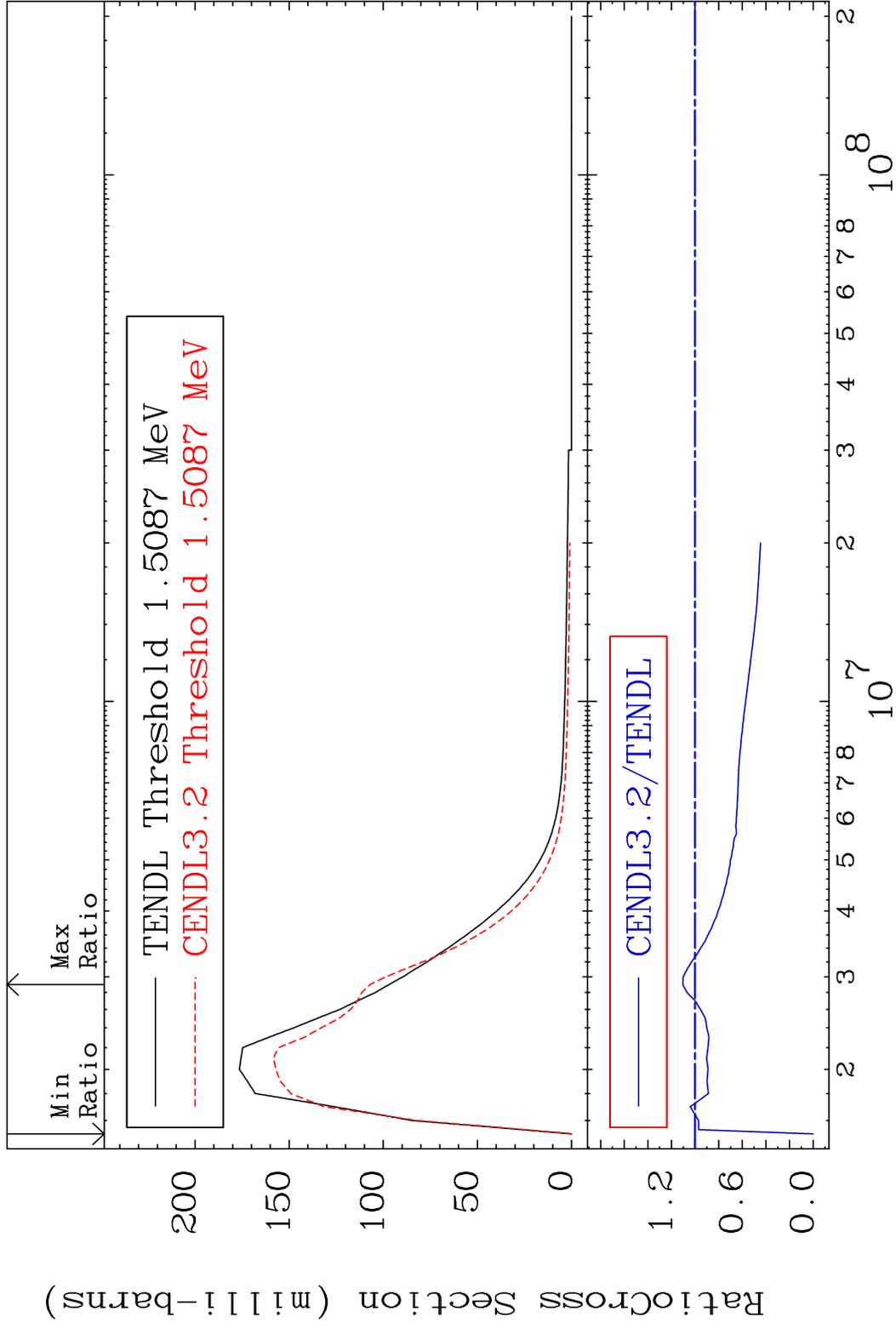
MAT 4228 MT= 52 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 3401. %



MAT 4228 MT= 53 (n, n') Level 42-Mo-93  
 Cross Section -19.07 To 112.6 %

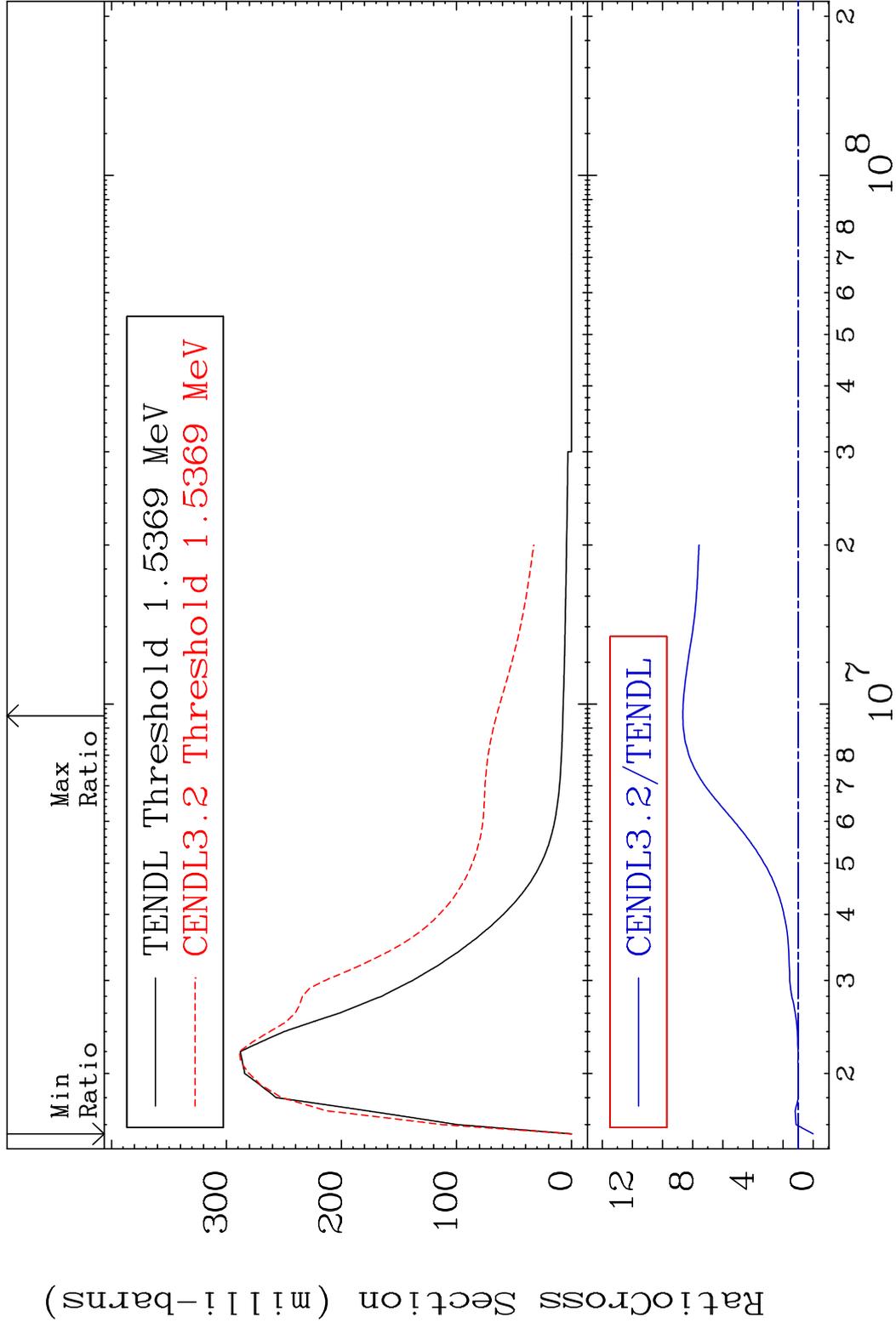


MAT 4228 MT= 54 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 10.36 %

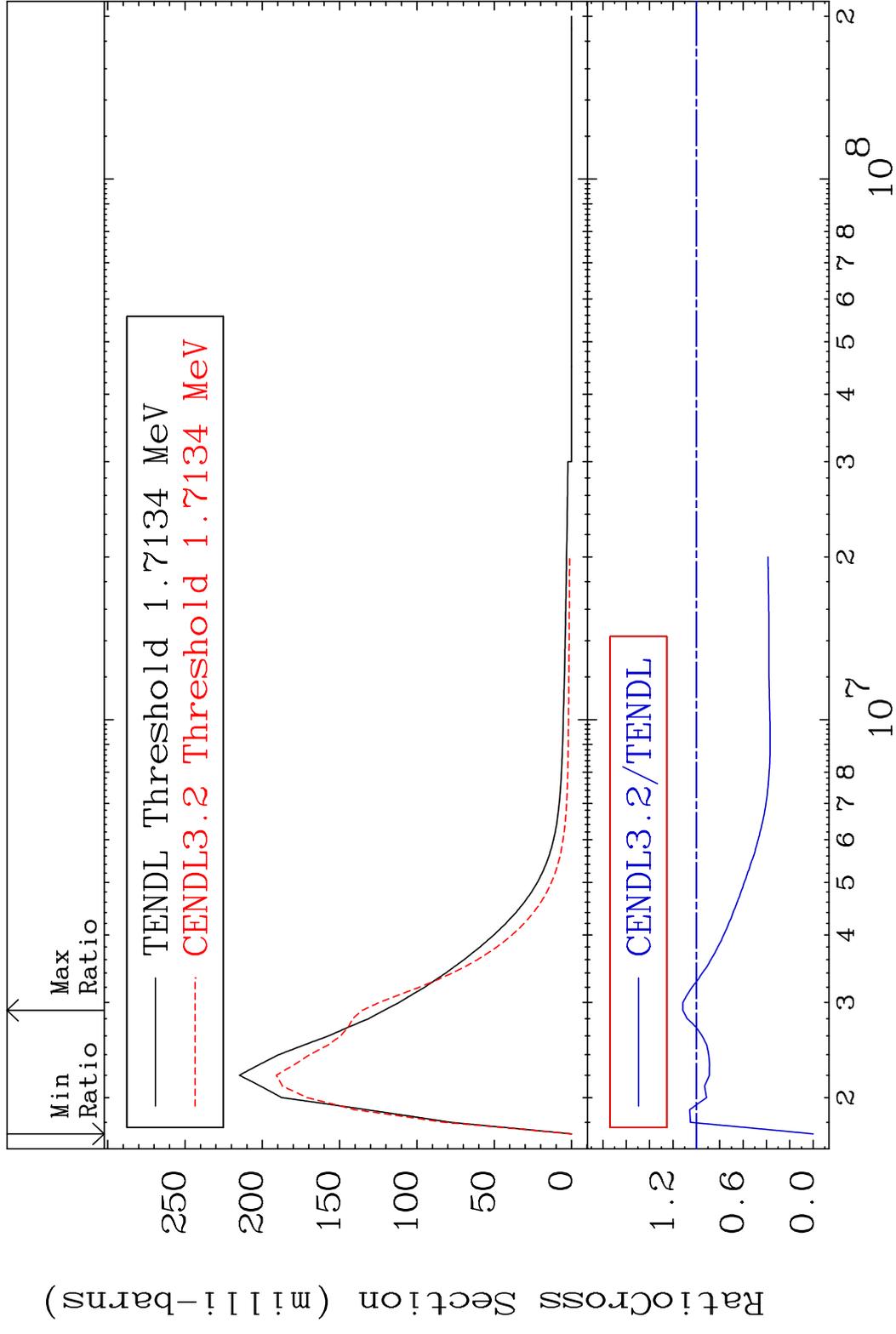


10 Incident Energy (eV) 42-Mo-93

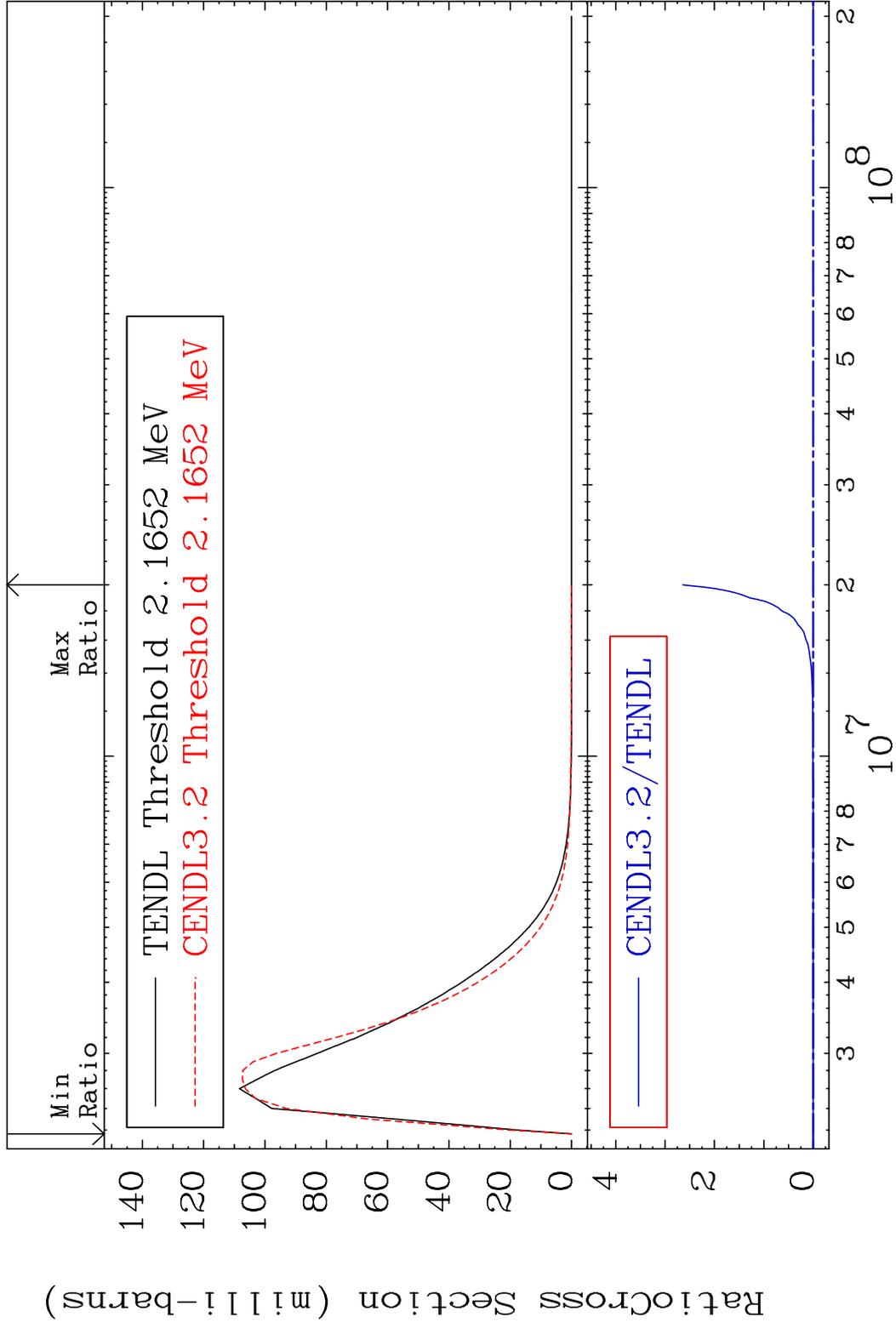
MAT 4228 MT= 55 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 765.3 %



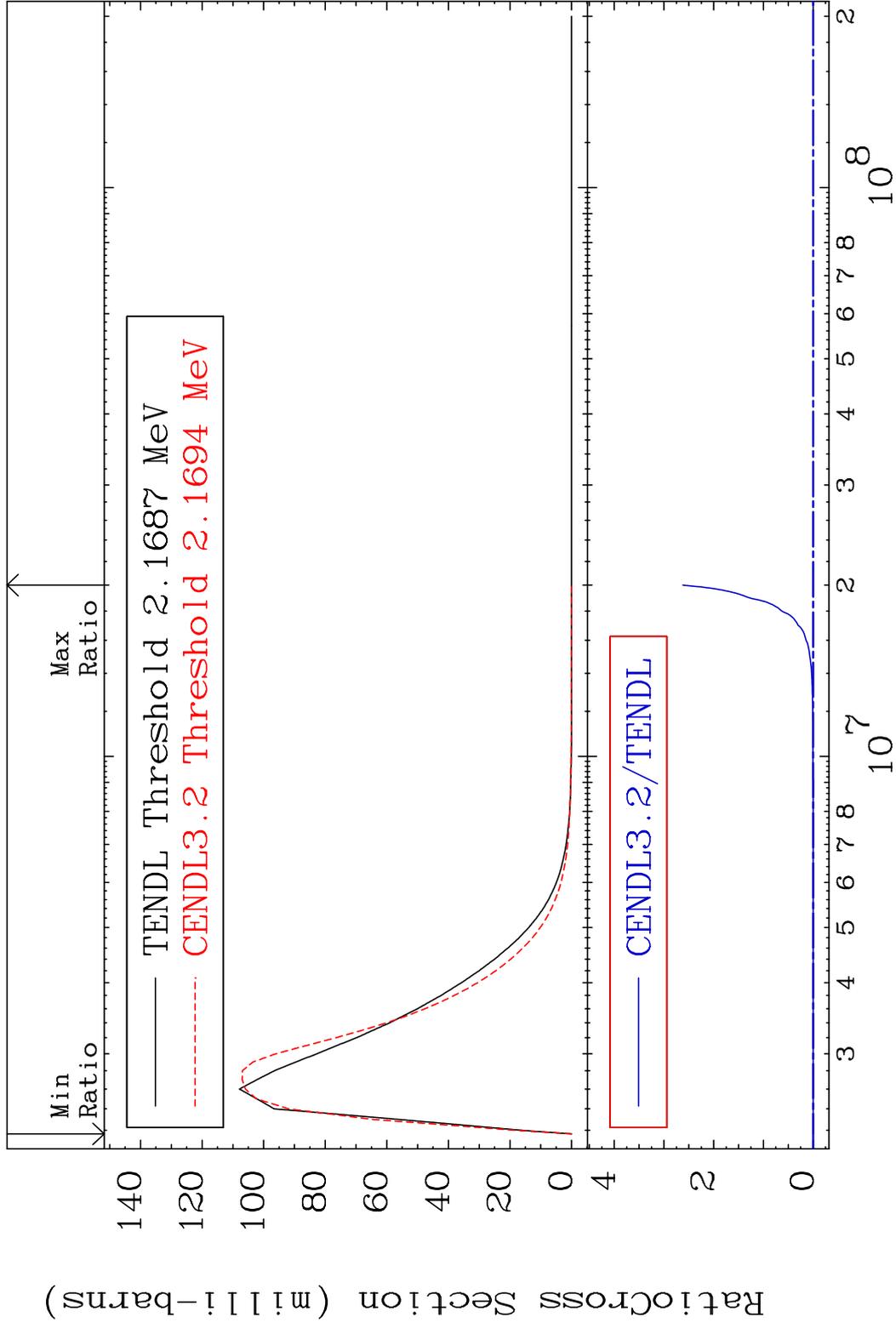
MAT 4228 MT= 56 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 11.58 %



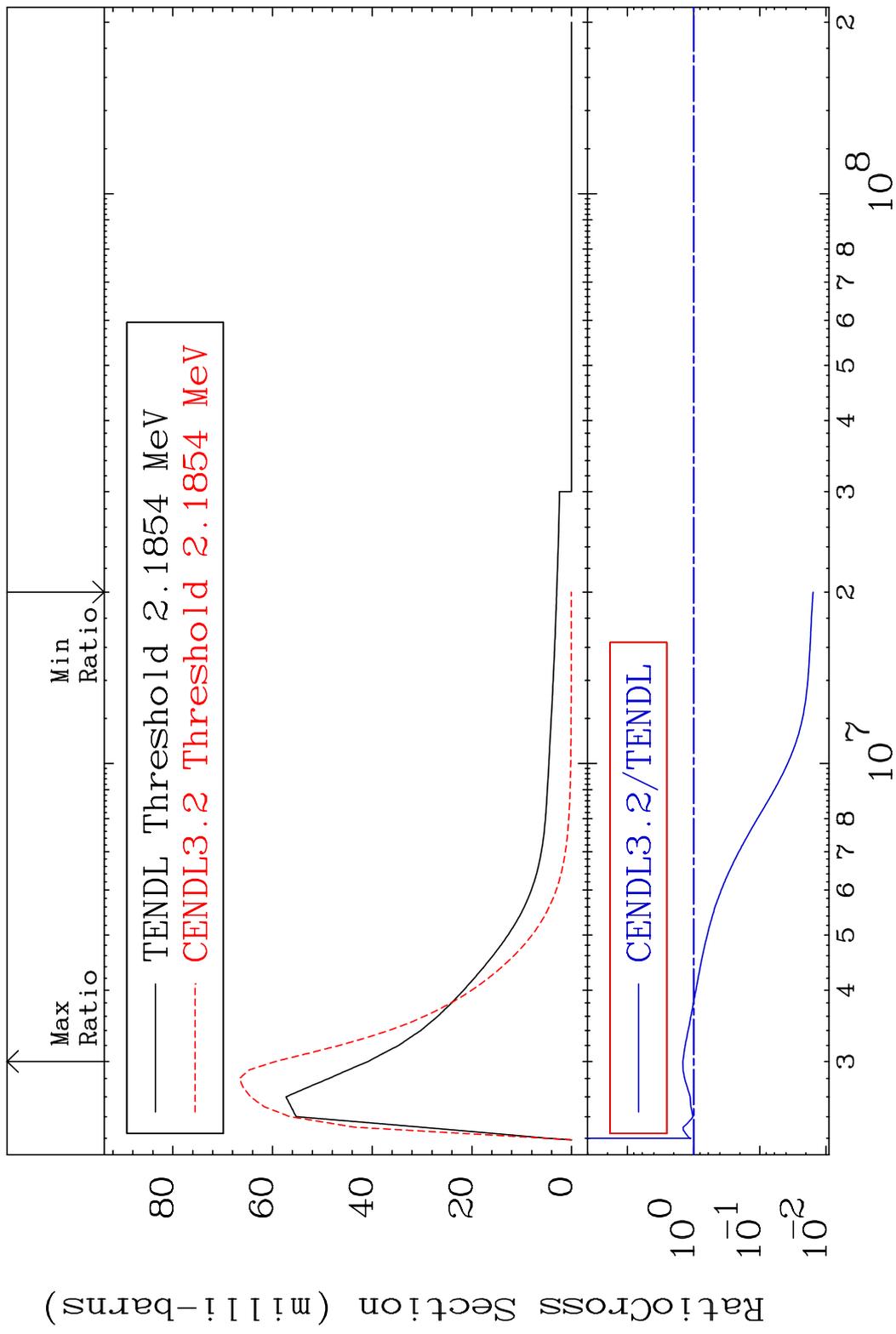
MAT 4228 MT= 57 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 9999. %



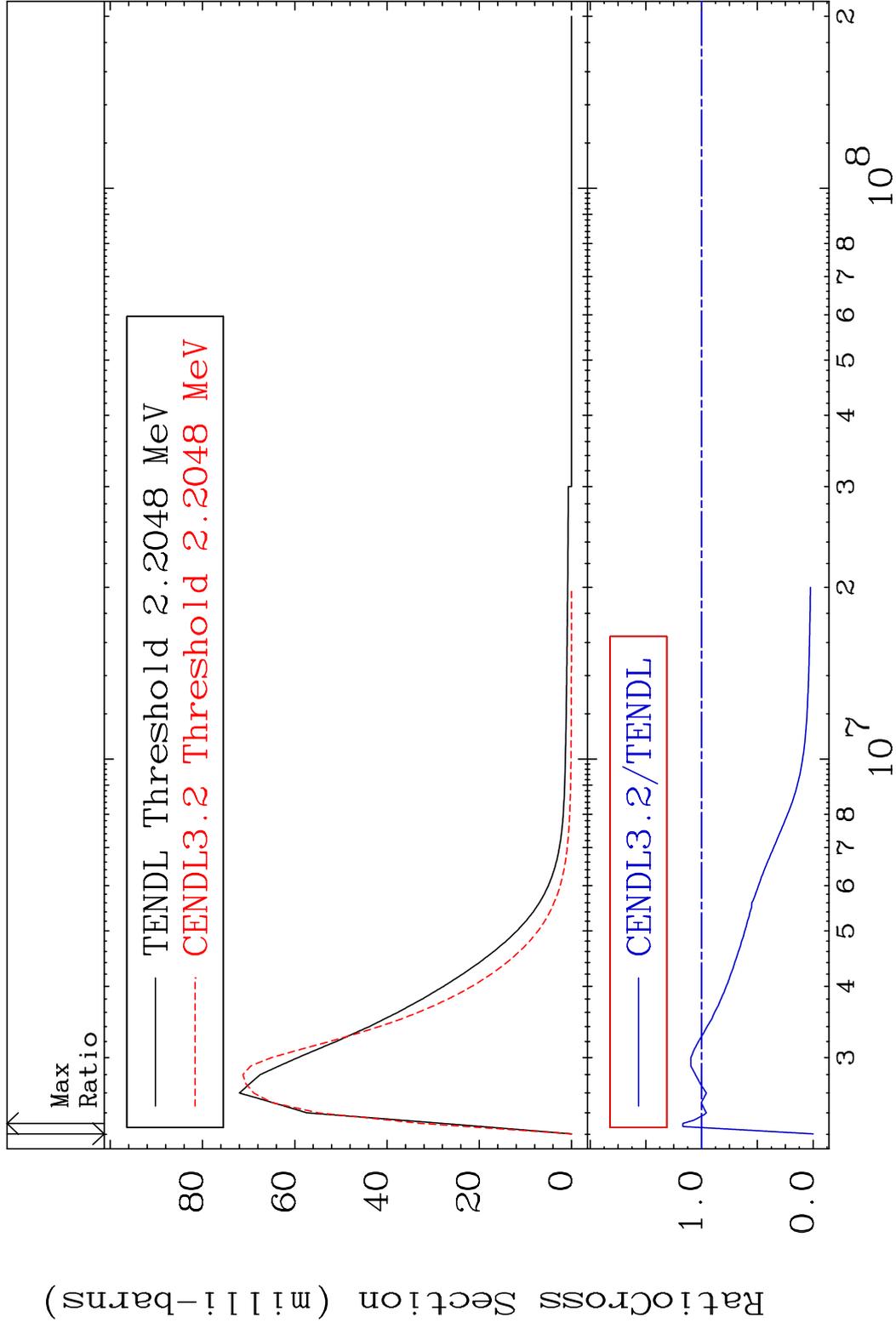
MAT 4228 MT= 58 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 9999. %



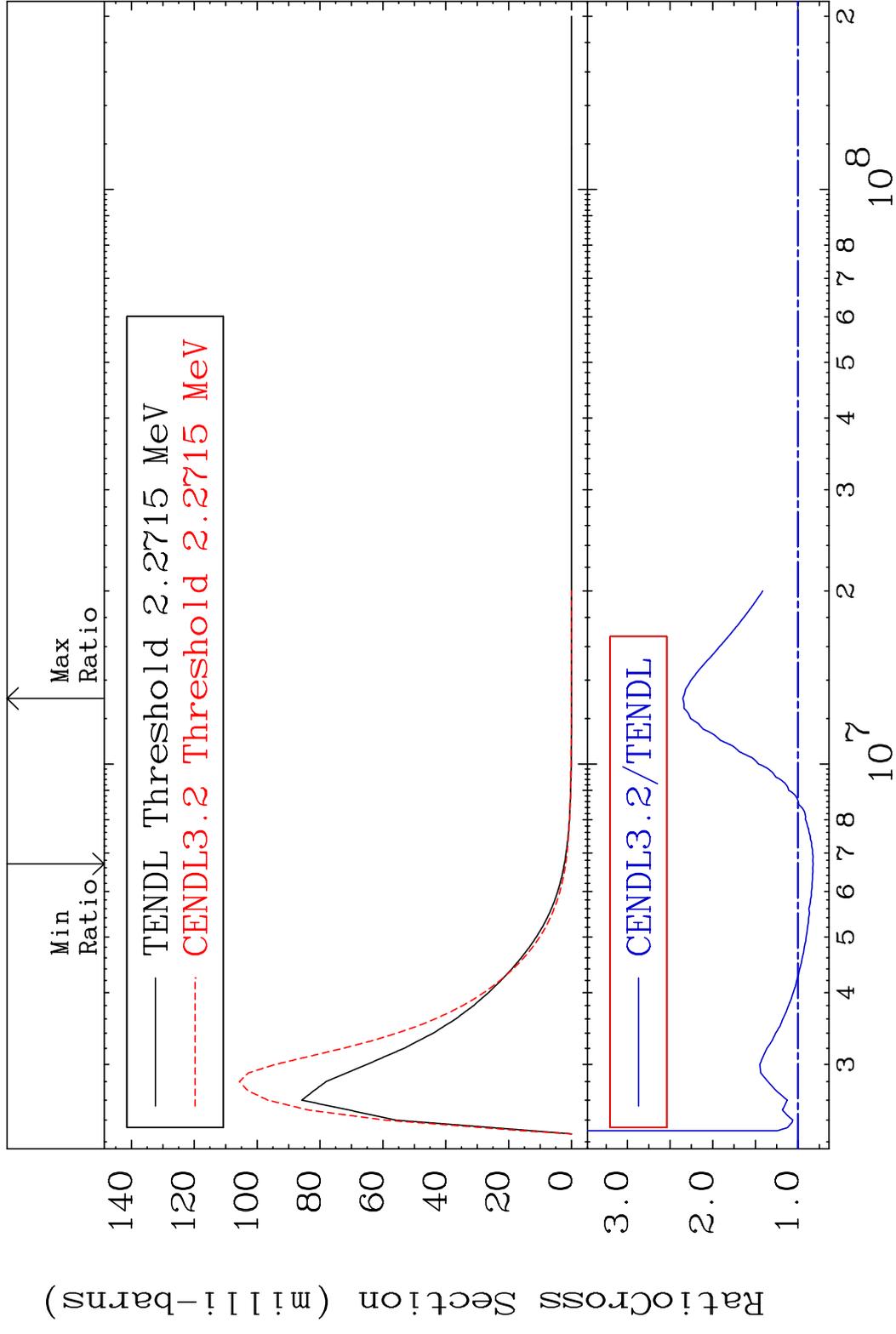
MAT 4228 MT= 59 (n, n') Level 42-Mo-93  
 Cross Section -98.44 To 45.44 %



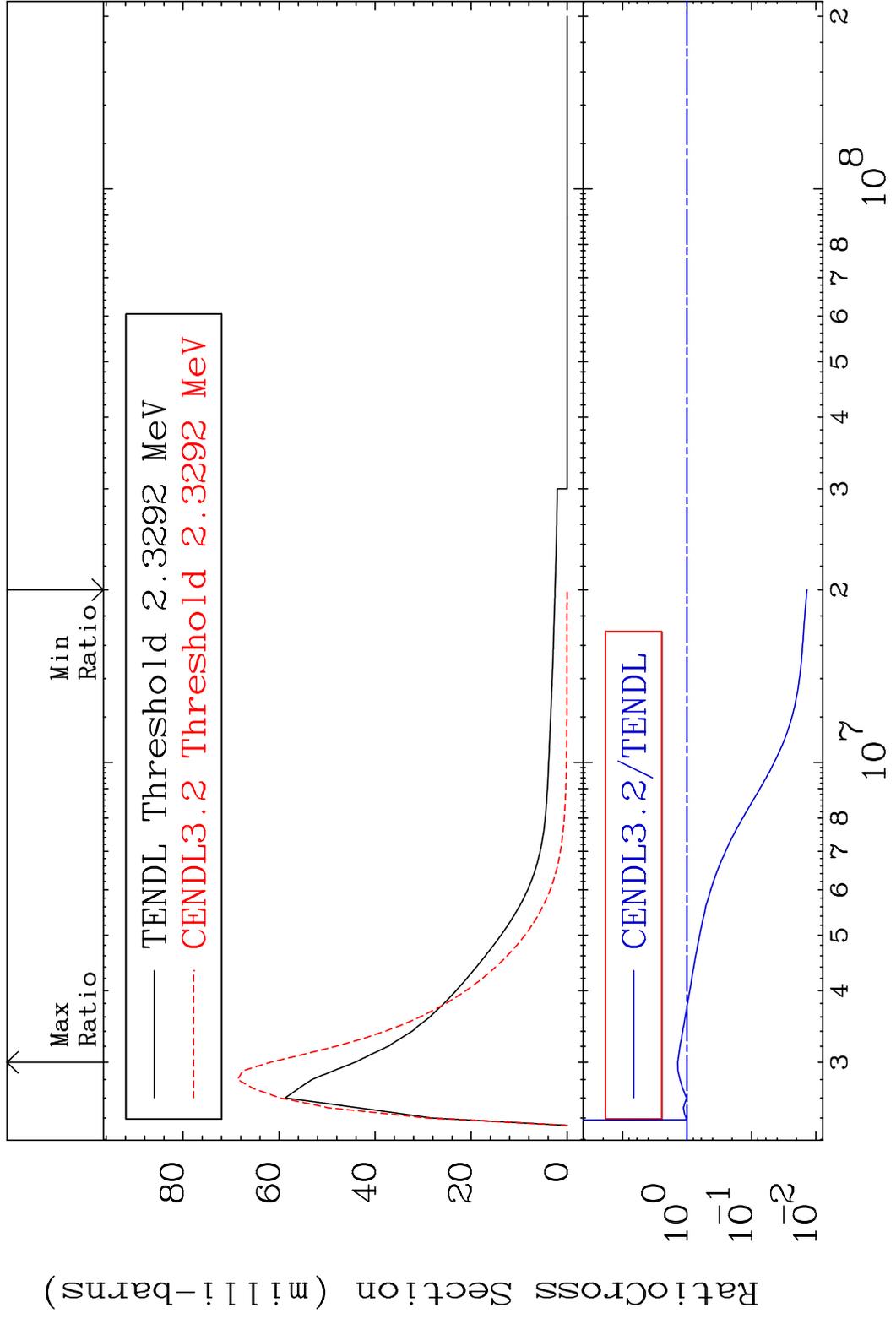
MAT 4228 MT= 60 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 16.85 %



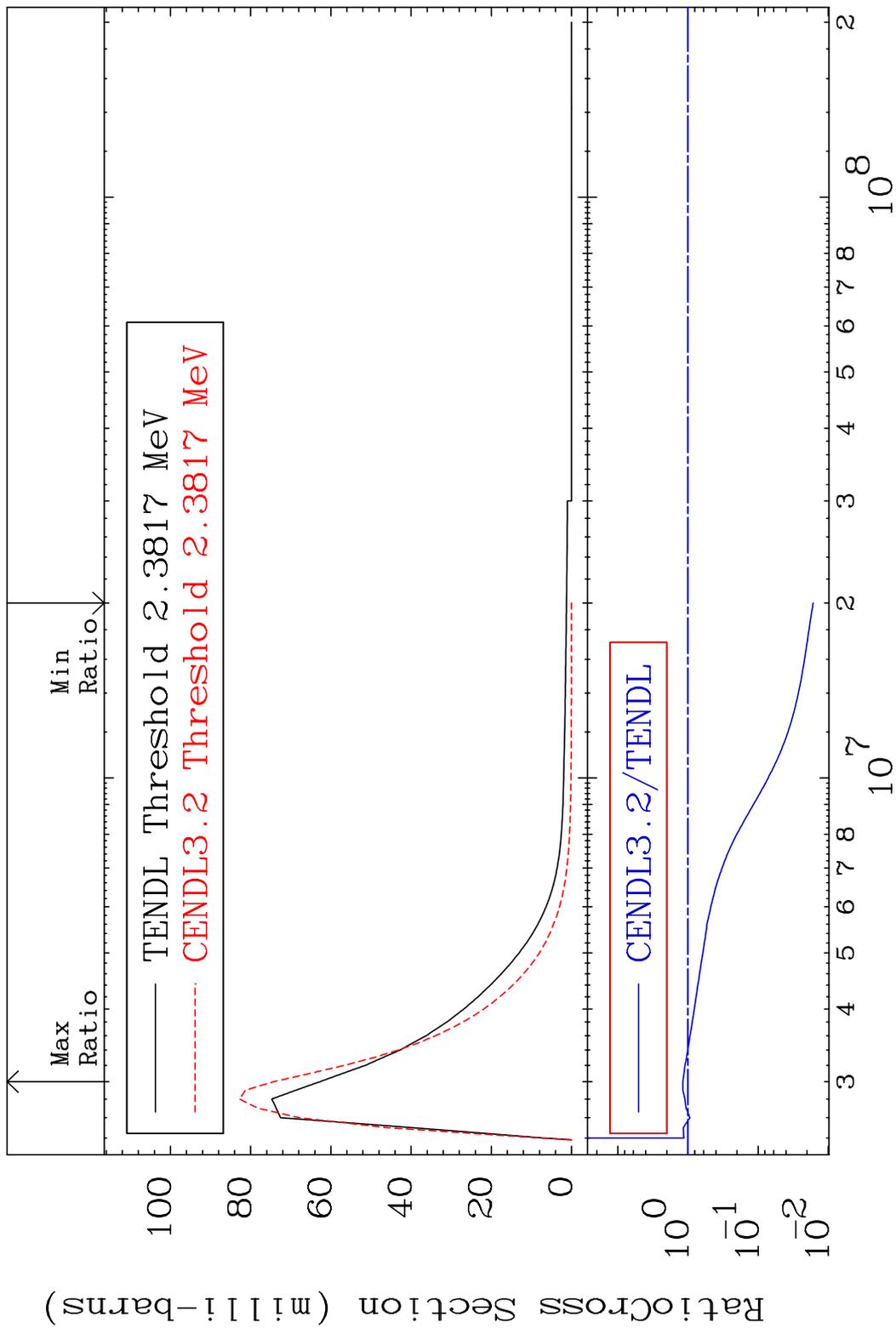
MAT 4228 MT= 61 (n,n') Level 42-Mo-93  
 Cross Section -17.79 To 135.1 %



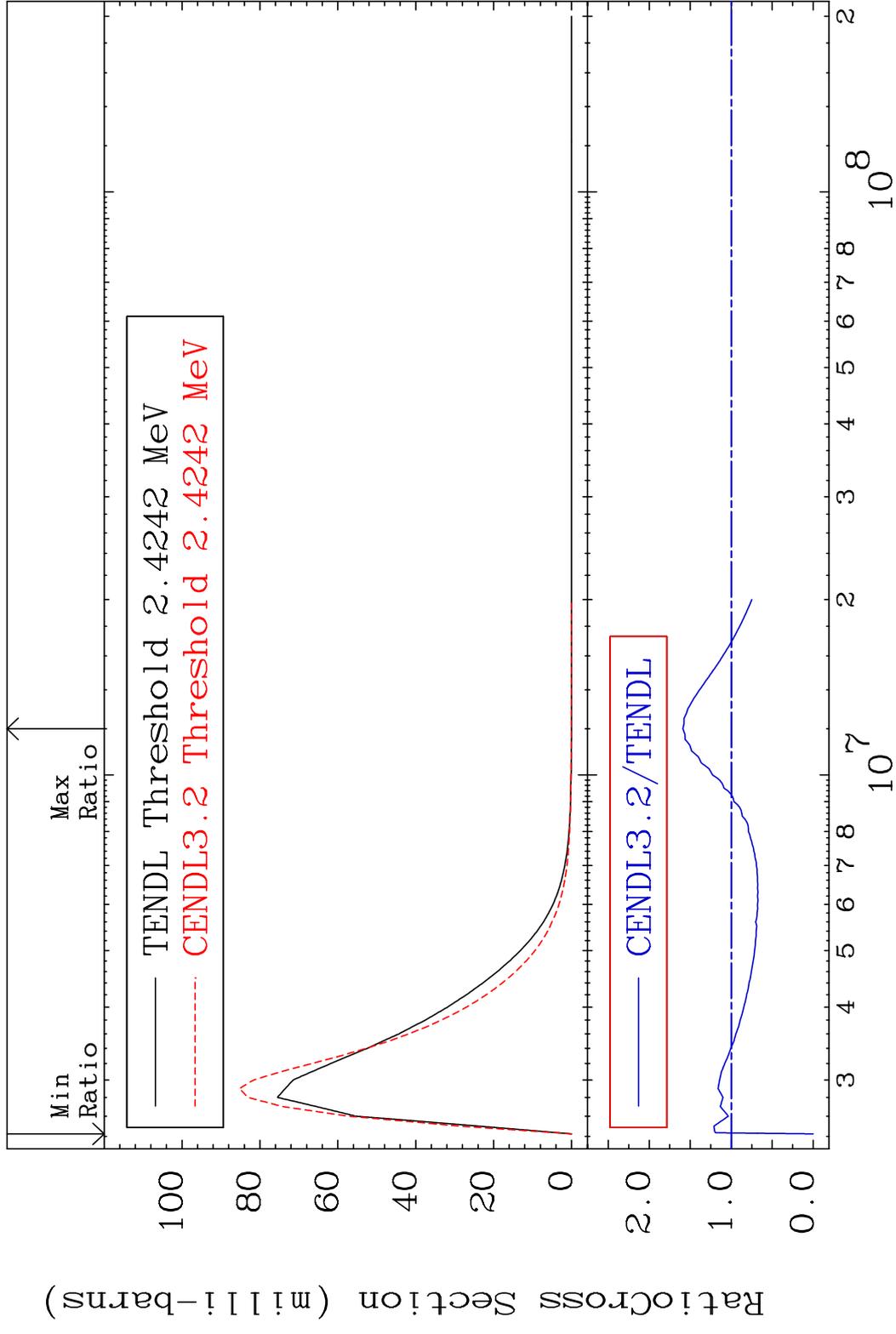
MAT 4228 MT= 62 (n,n') Level 42-Mo-93  
 Cross Section -98.63 To 39.91 %



MAT 4228 MT= 63 (n, n') Level 42-Mo-93  
 Cross Section -98.36 To 18.43 %



MAT 4228 MT= 64 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 59.02 %



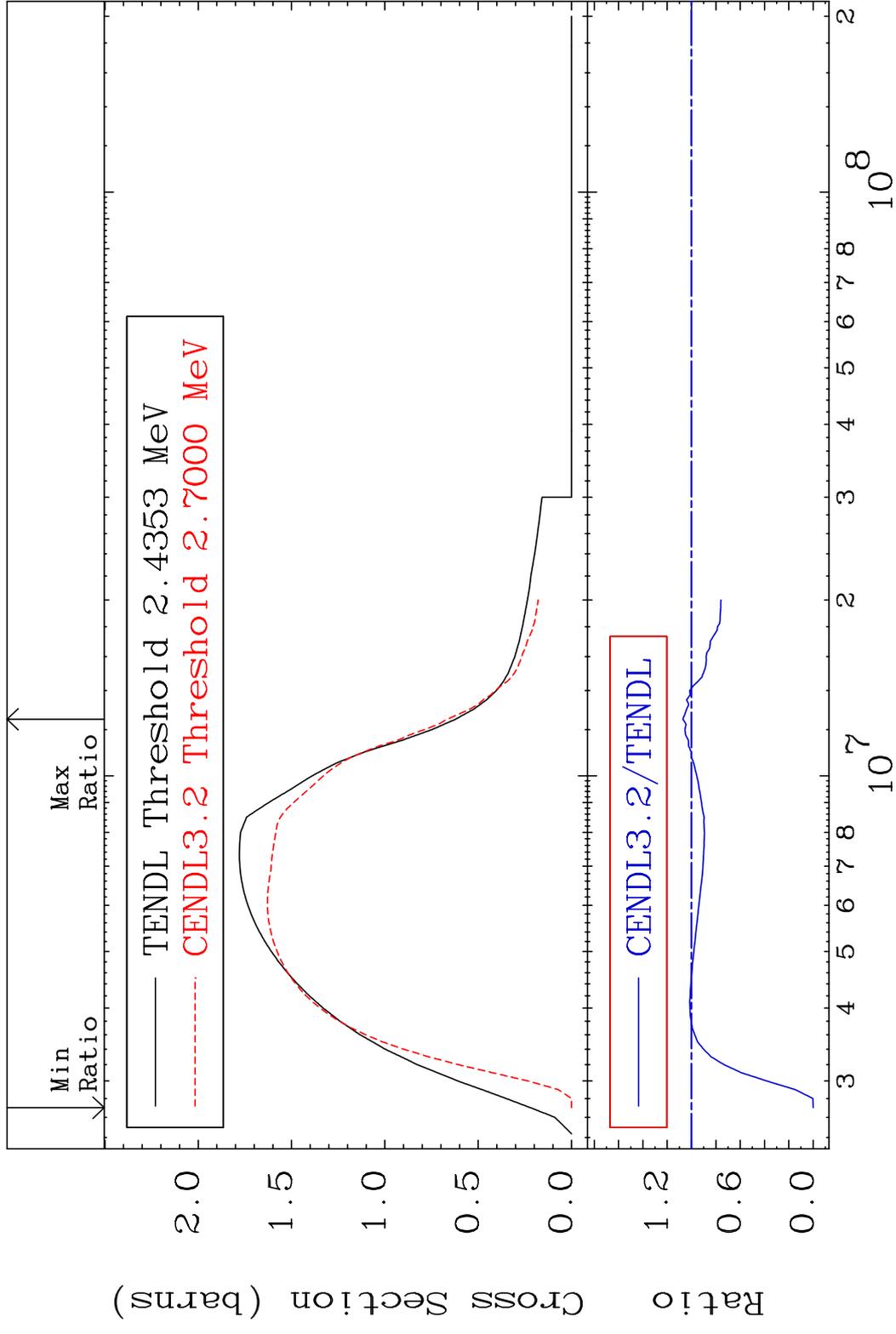
20 Incident Energy (eV) 42-Mo-93

MAT 4228

(n, n') Continuum

42-Mo-93

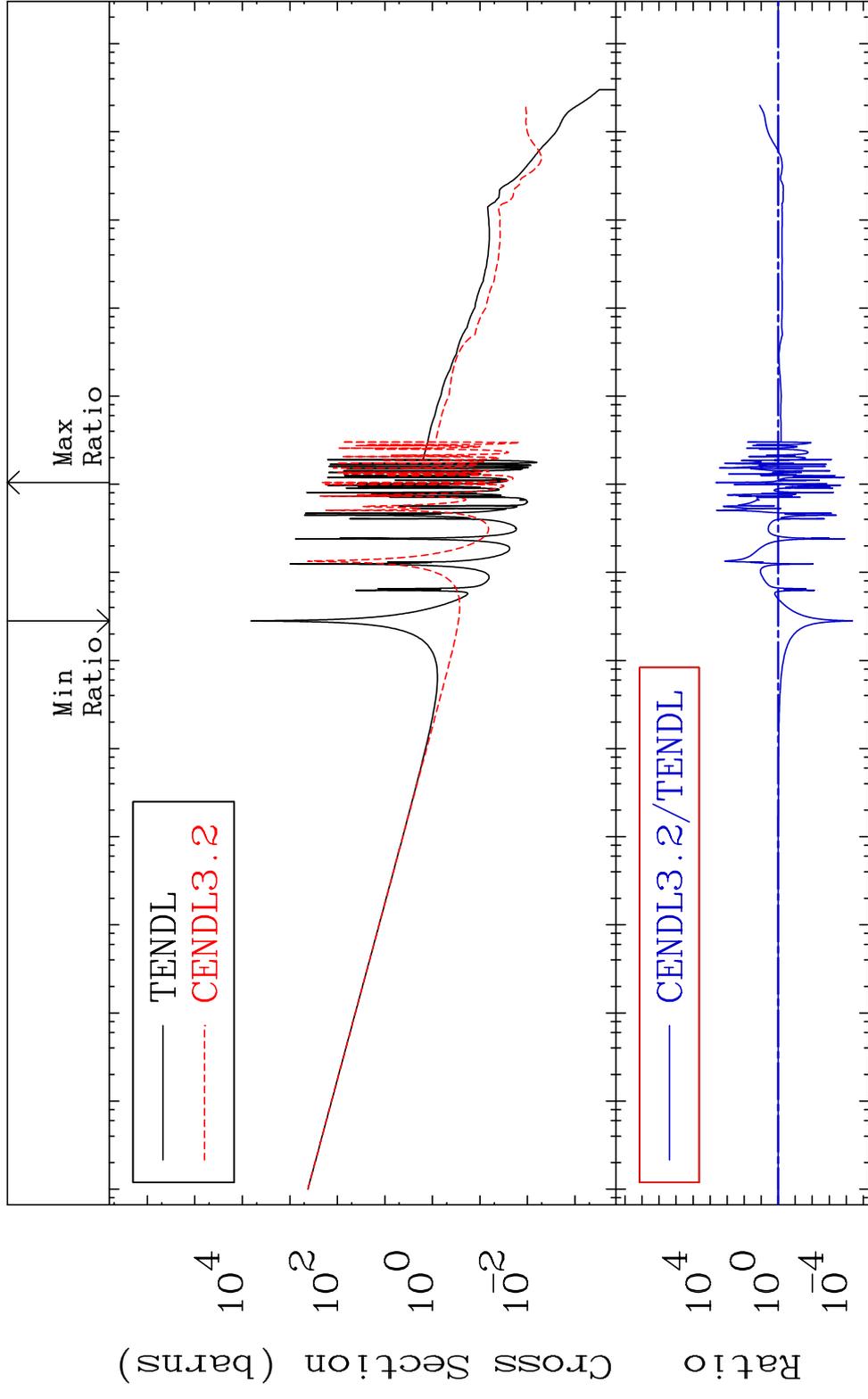
Cross Section -100.0 To 7.154 %



MAT 4228

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %

42-Mo-93



22

Incident Energy (eV)

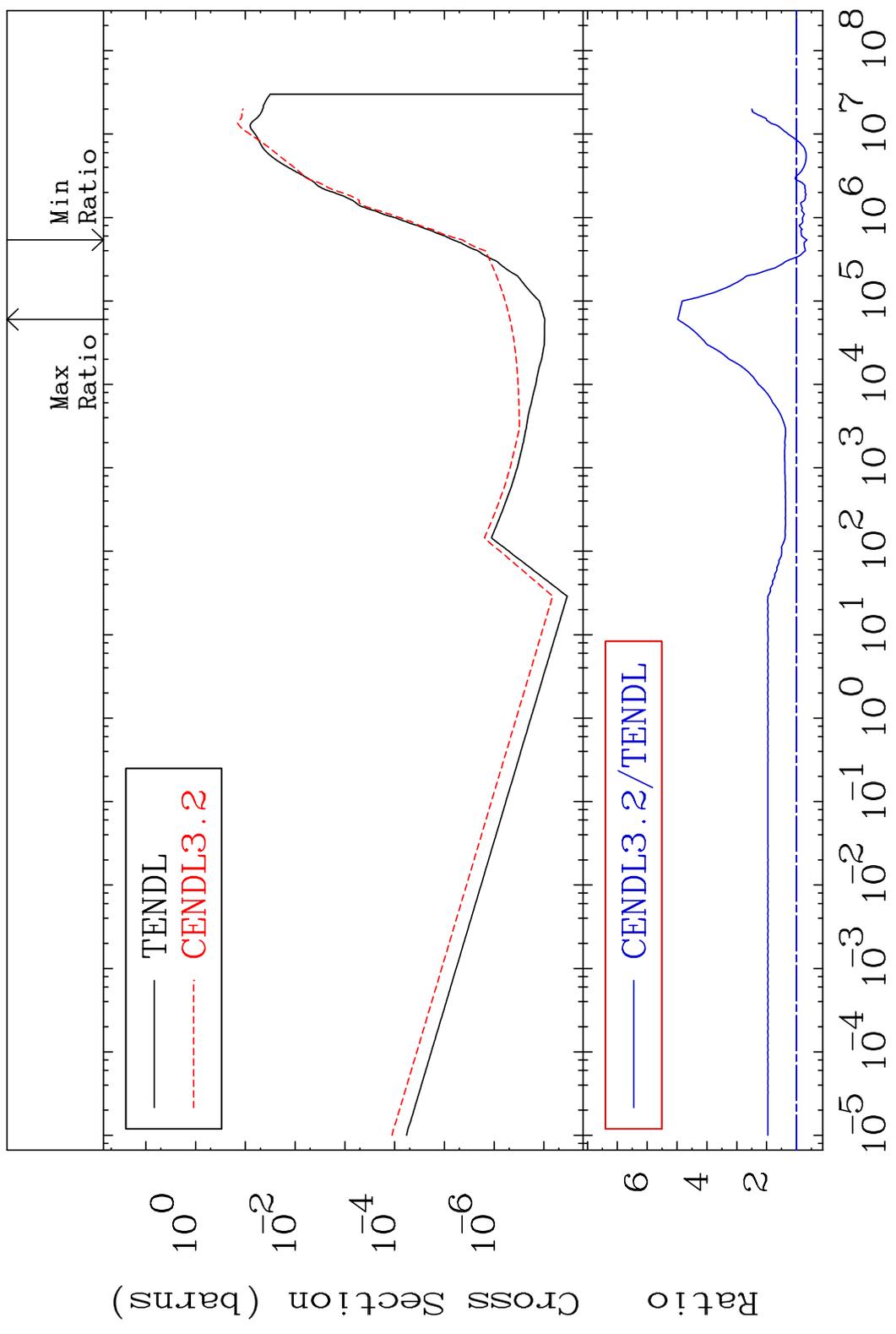
42-Mo-93

MAT 4228

(n, p)

42-Mo-93

Cross Section -35.25 To 397.9 %



23

Incident Energy (eV)

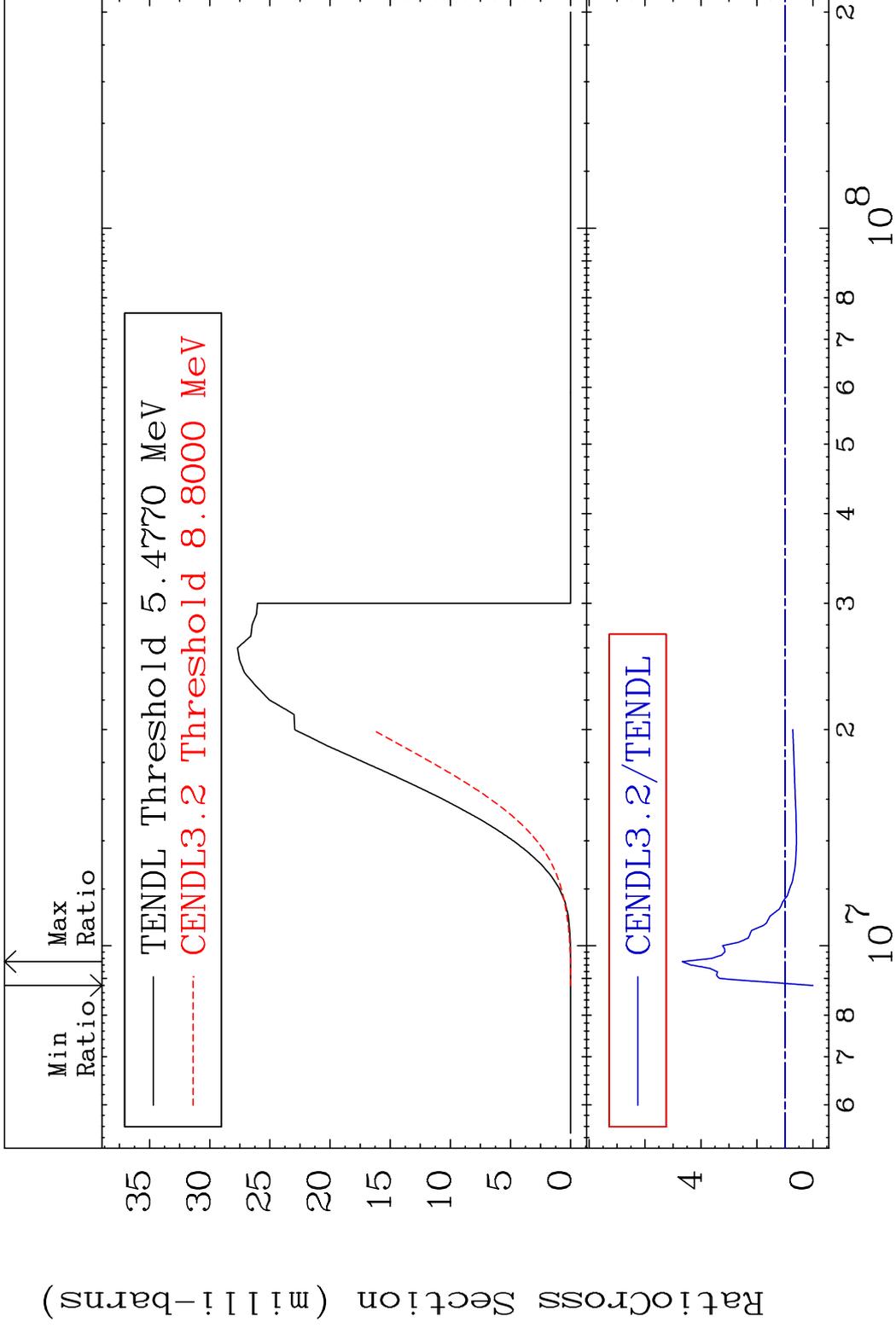
42-Mo-93

MAT 4228

(n, d)

42-Mo-93

Cross Section -100.0 To 367.0 %

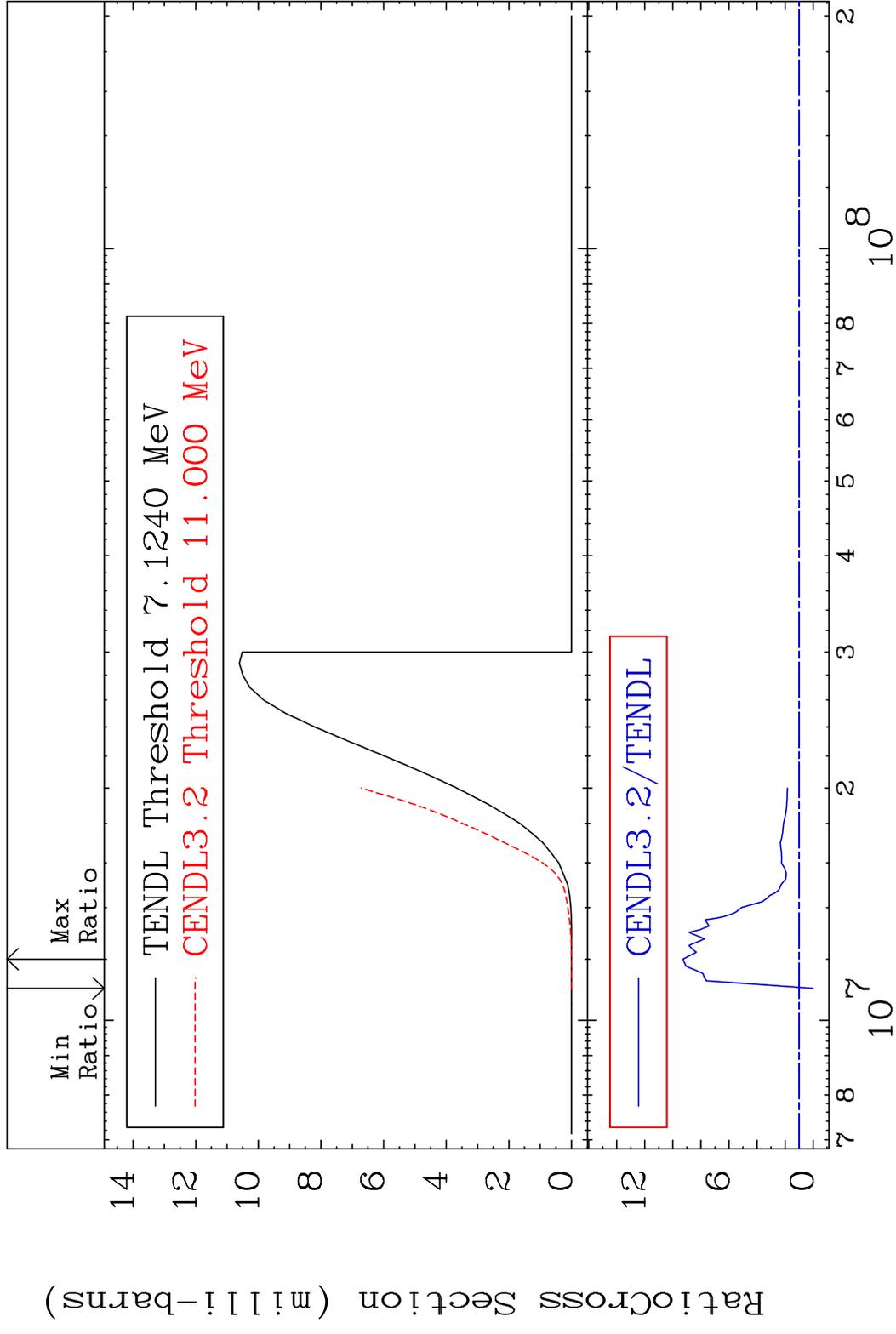


24

Incident Energy (eV)

42-Mo-93

MAT 4228 (n, t) 42-Mo-93  
 Cross Section -100.0 To 828.9 %

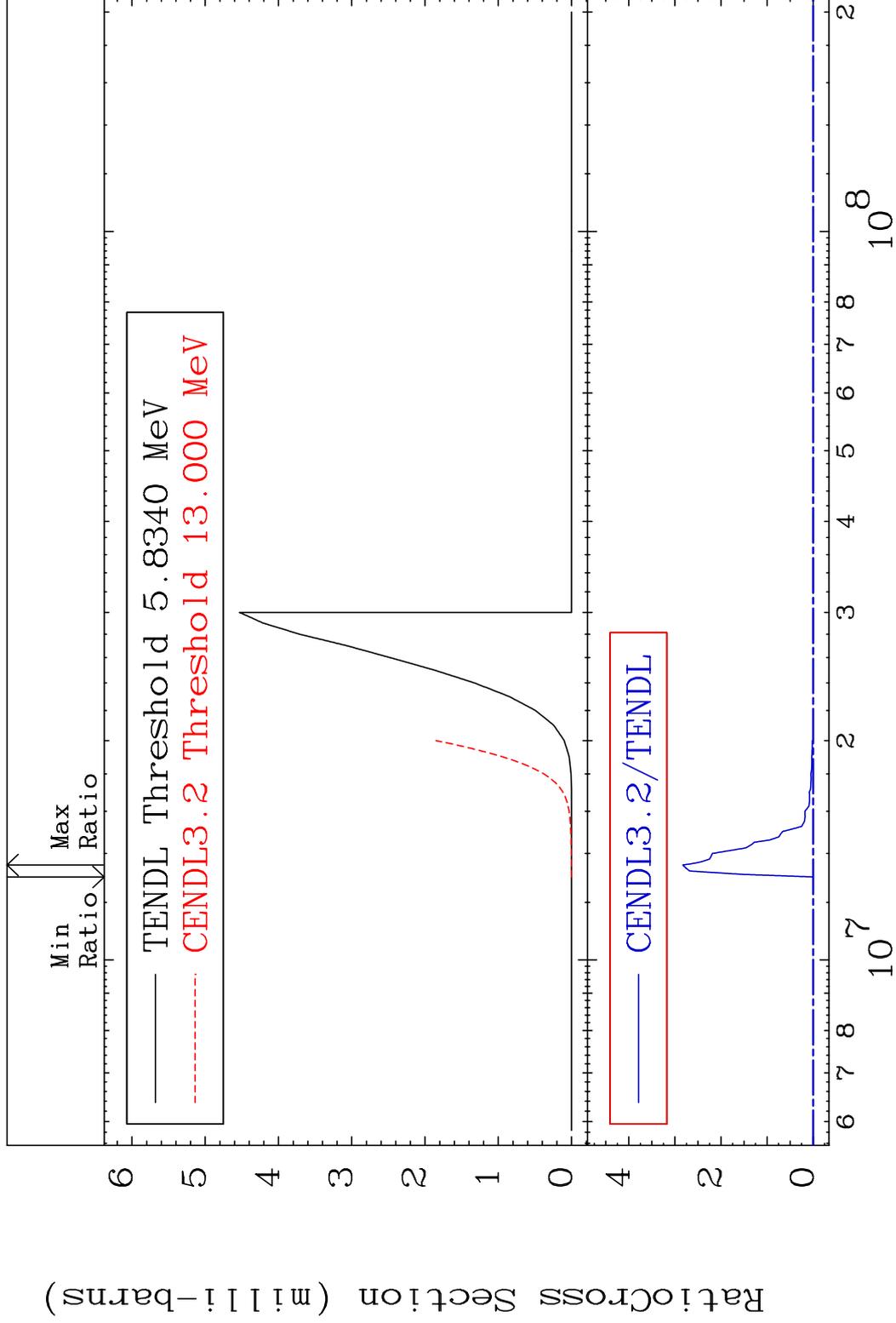


MAT 4228

(n, He-3)

42-Mo-93

Cross Section -100.0 To 9999. %



26

Incident Energy (eV)

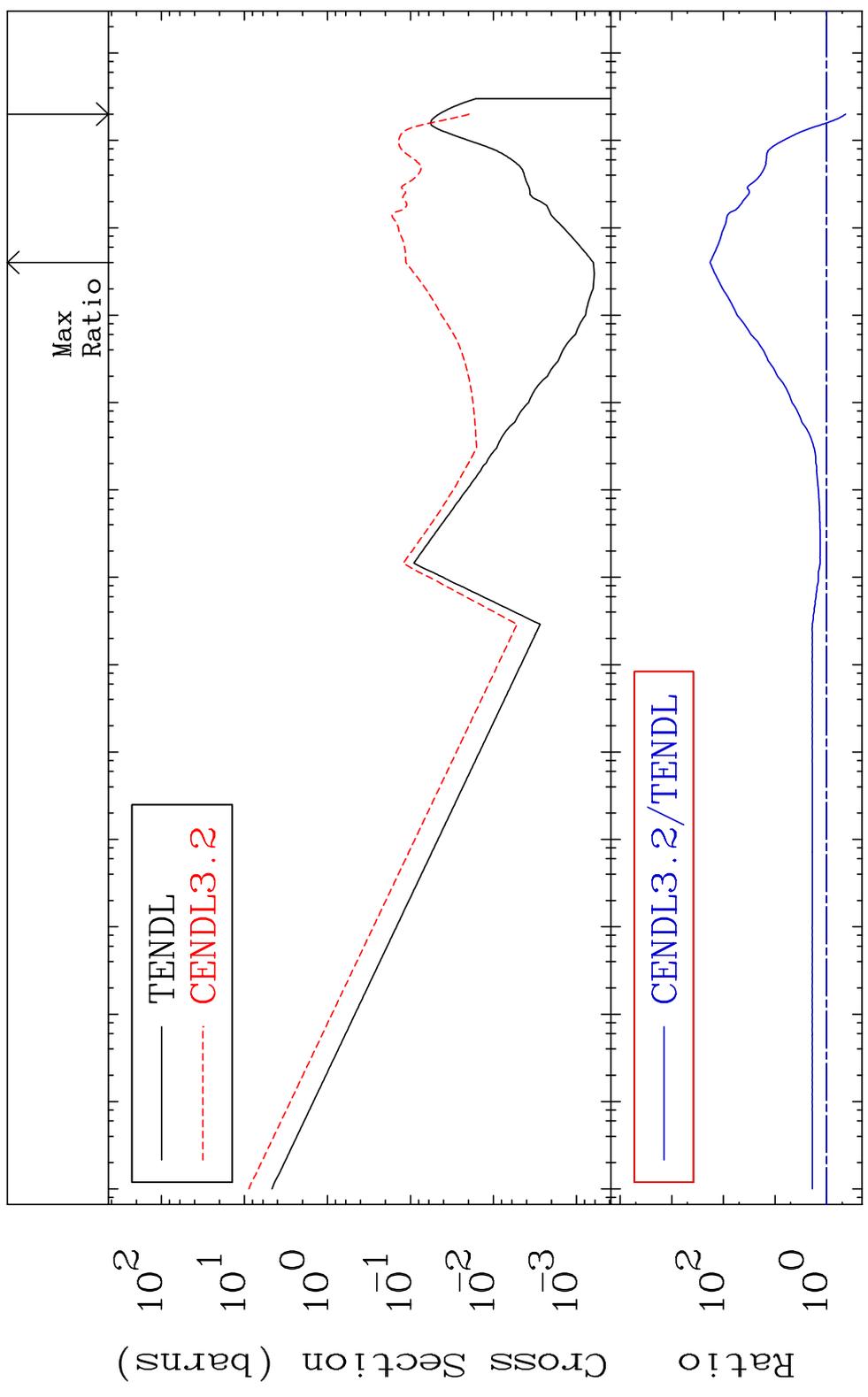
42-Mo-93

MAT 4228

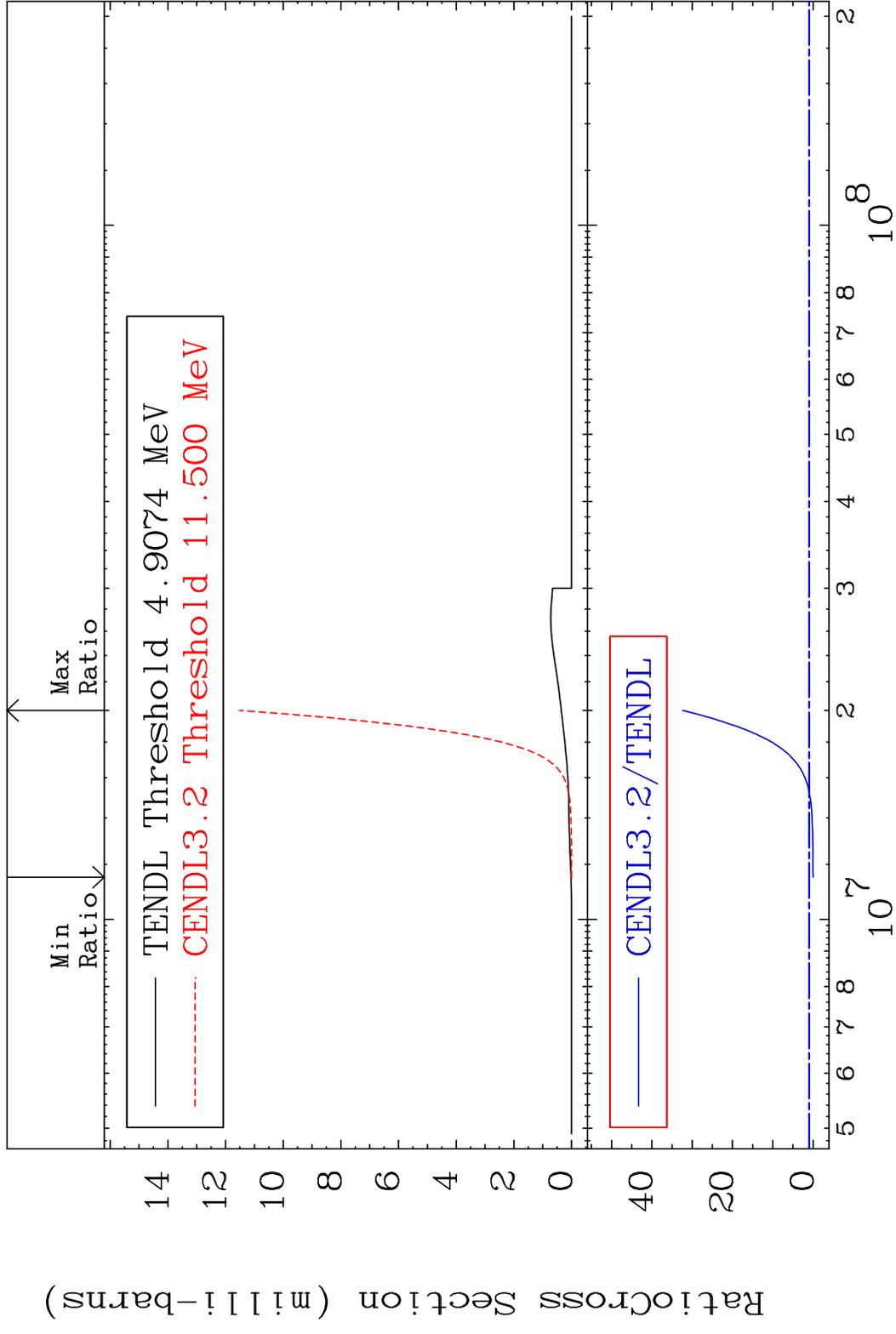
(n,  $\alpha$ )

42-Mo-93

Cross Section -56.93 To 9999. %



MAT 4228 (n,2p) 42-Mo-93  
 Cross Section -100.0 To 3132. %

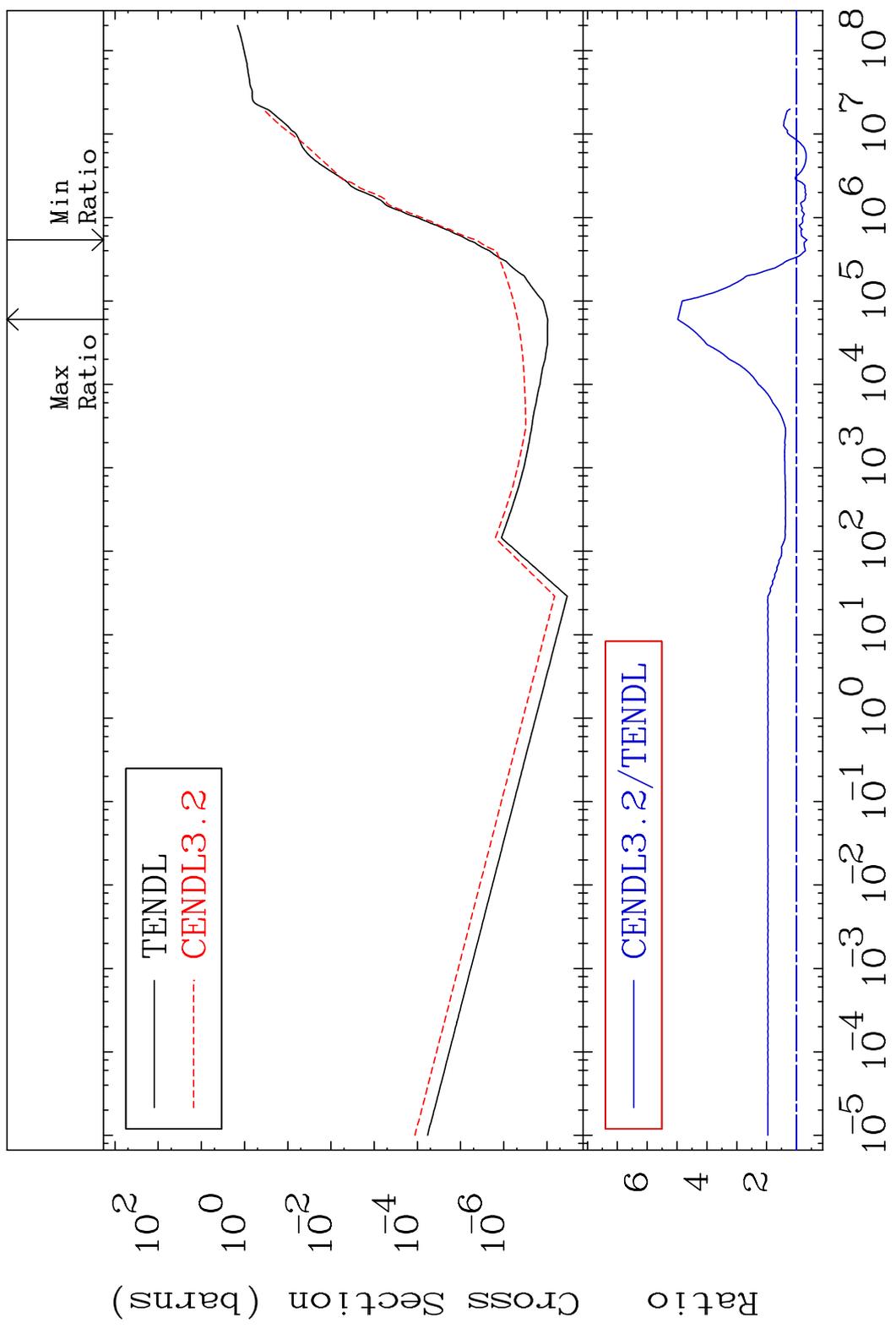


MAT 4228

Hydrogen Production

42-Mo-93

Cross Section -35.25 To 397.9 %



29

Incident Energy (eV)

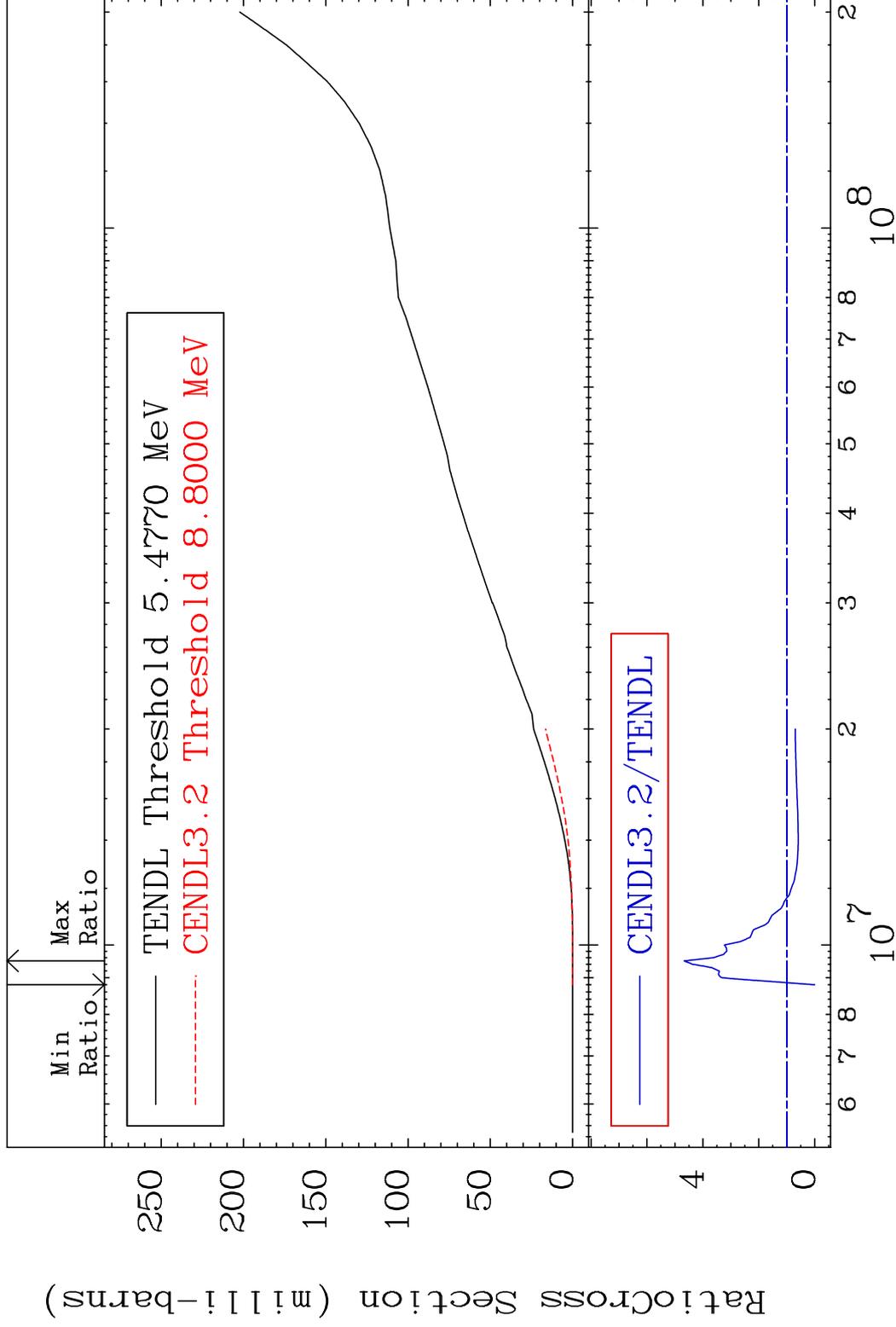
42-Mo-93

MAT 4228

Deuterium Production

42-Mo-93

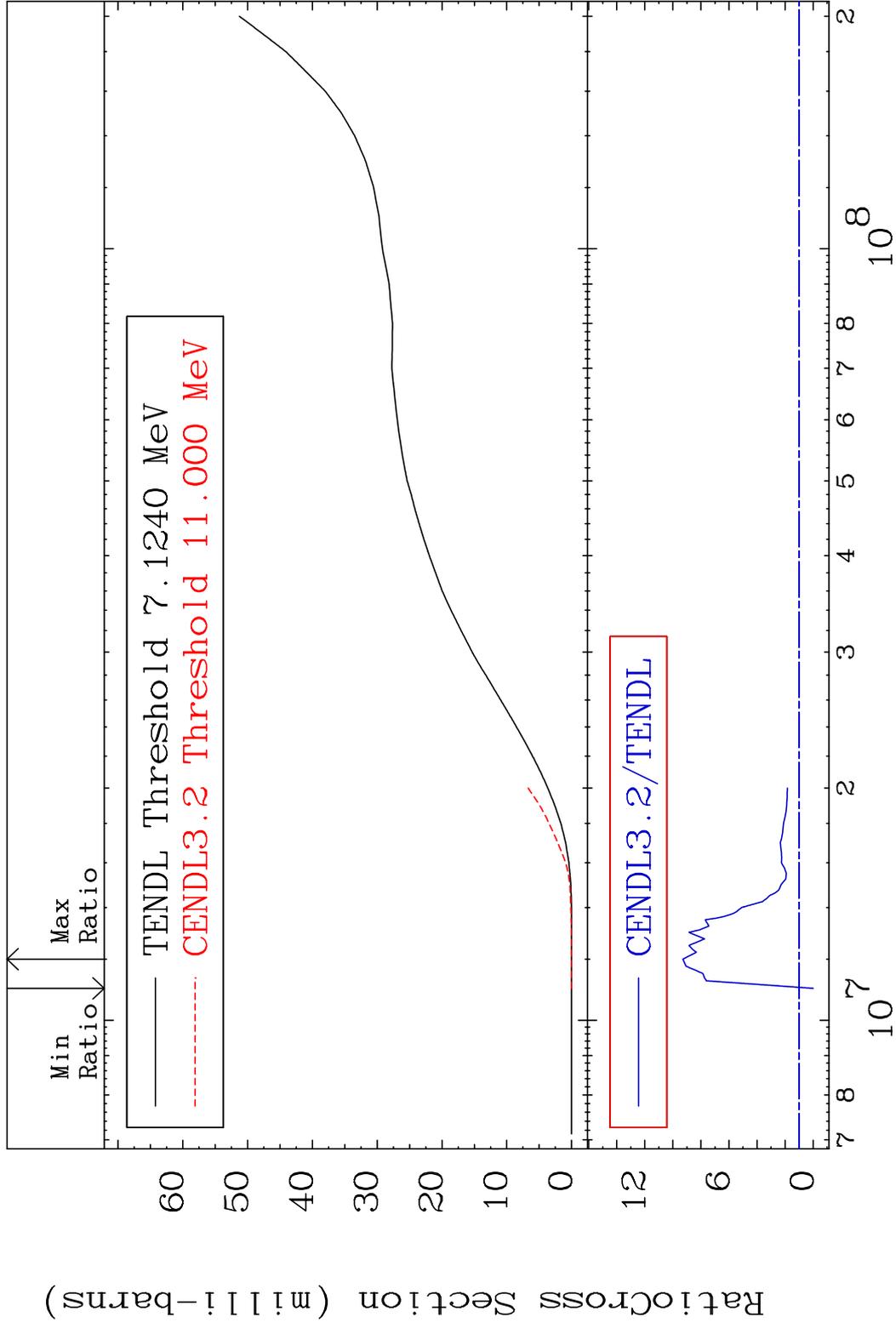
Cross Section -100.0 To 367.0 %



30

Incident Energy (eV)

42-Mo-93

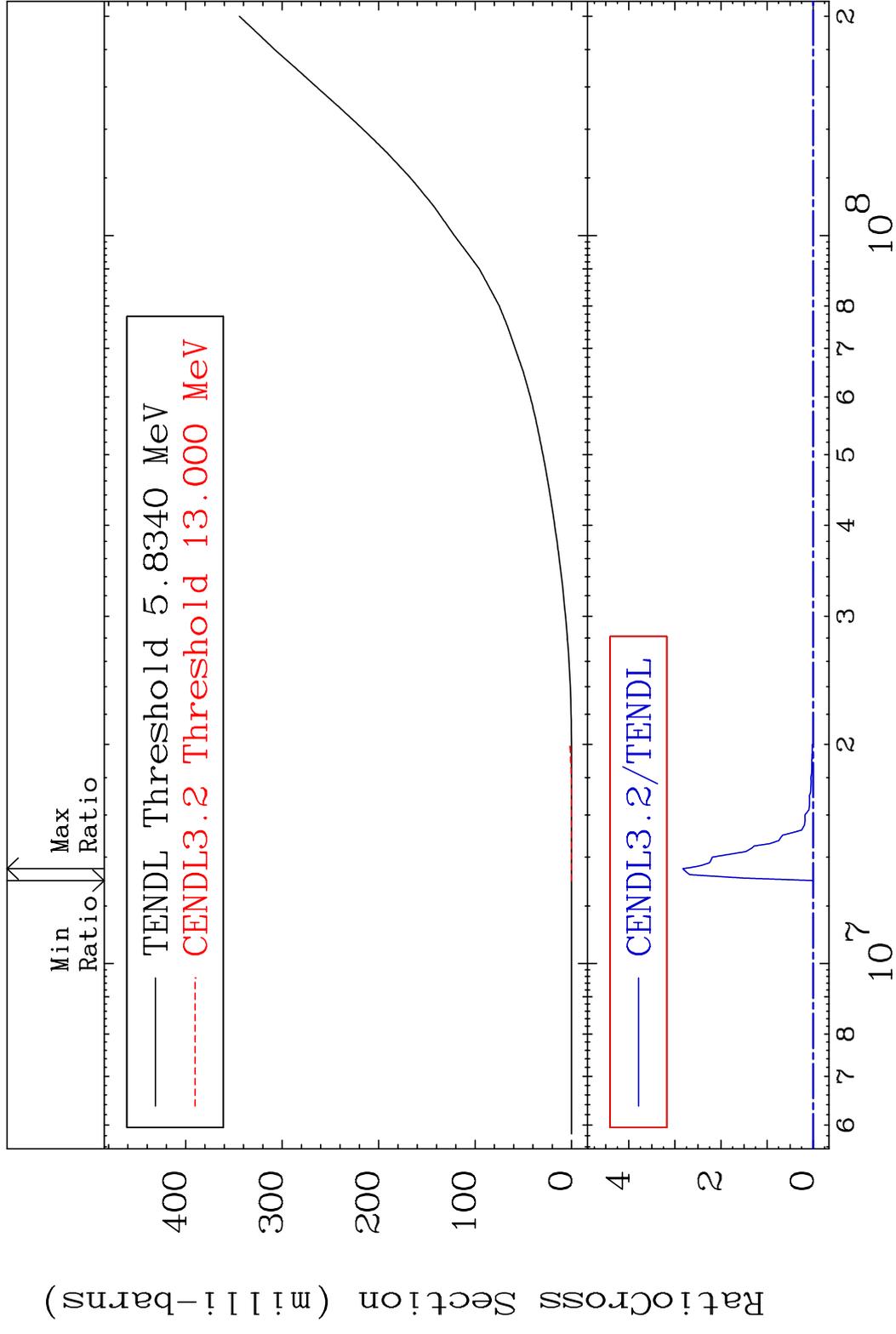


MAT 4228

He-3 Production

42-Mo-93

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

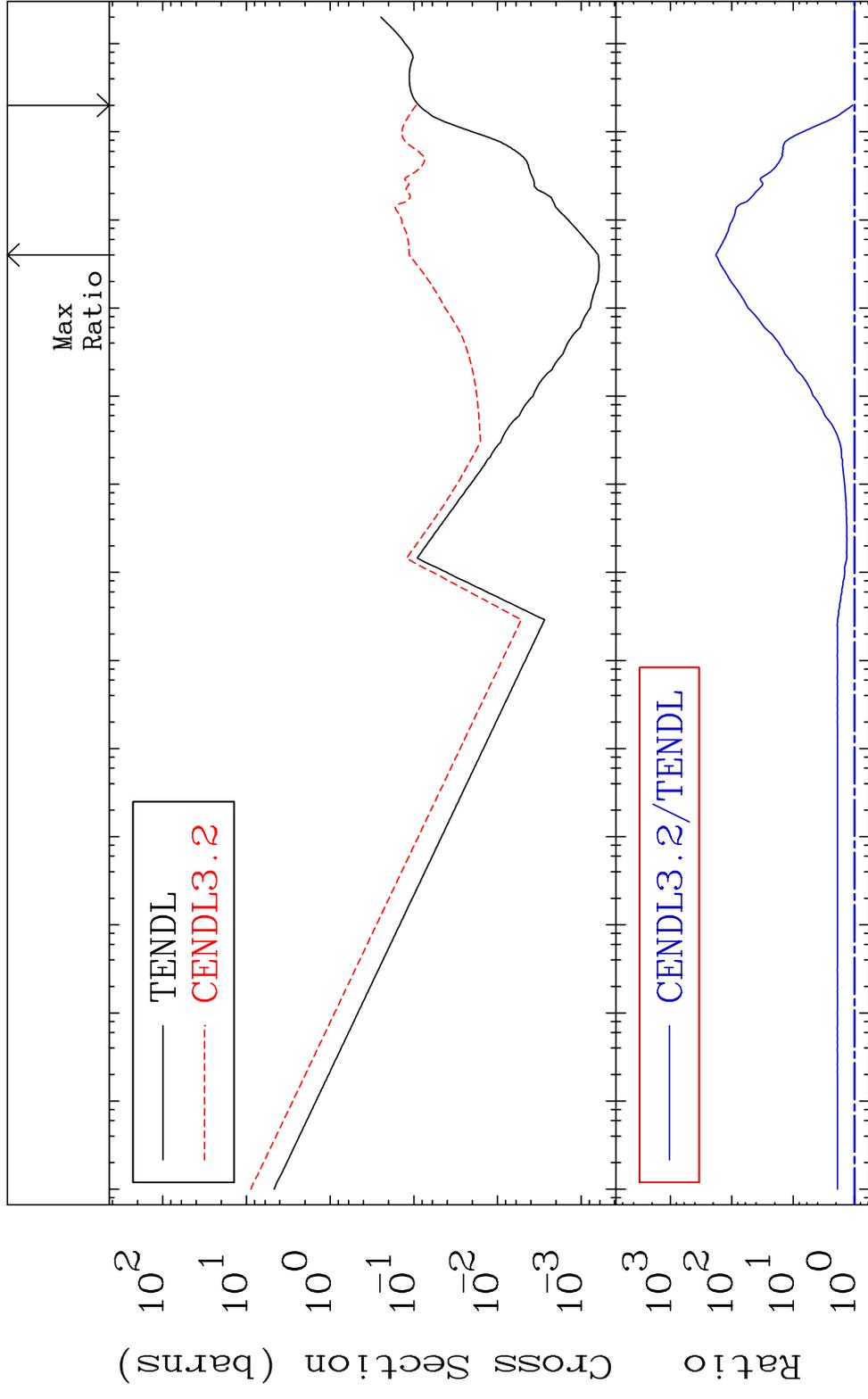
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section 7.821 To 9999. %

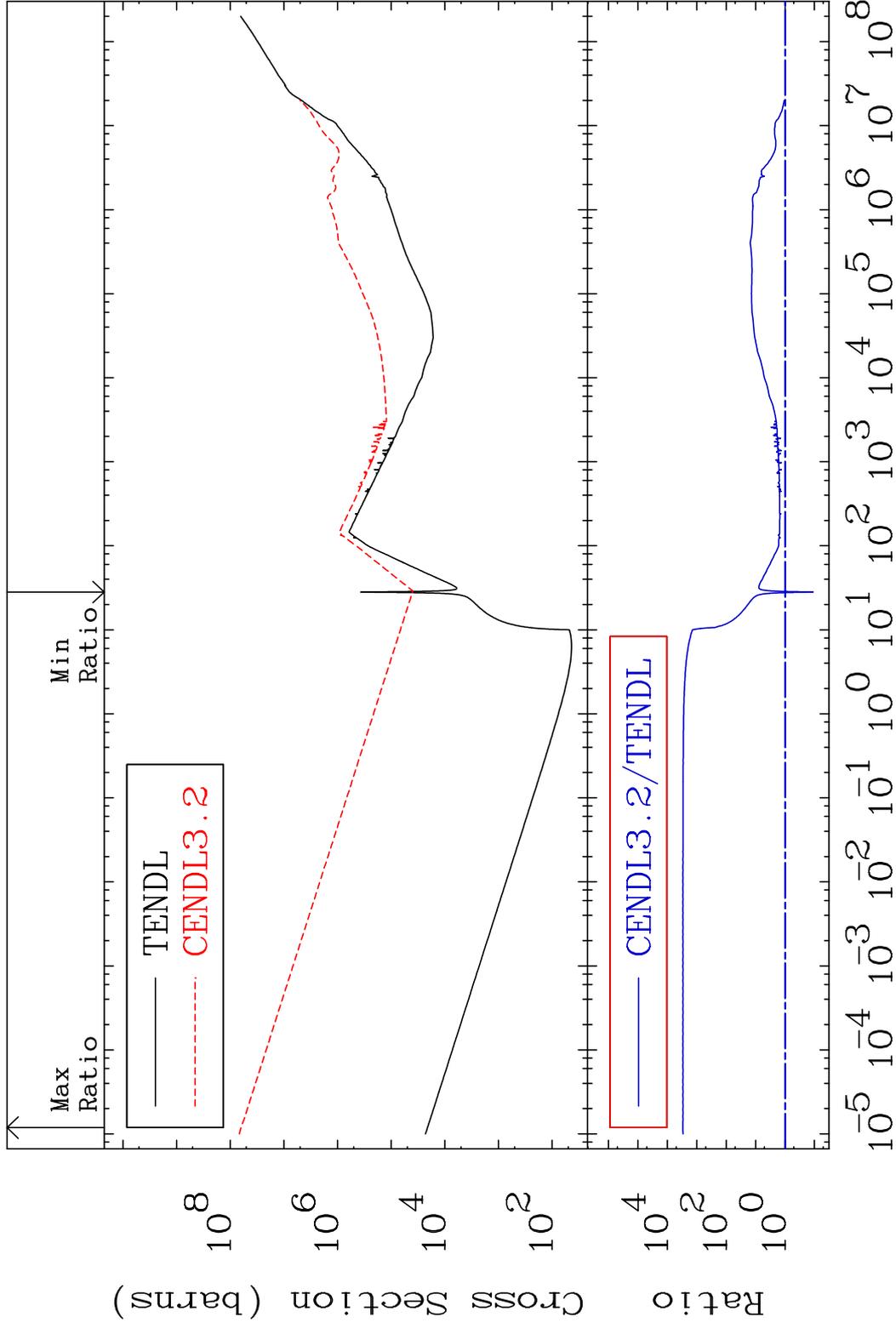


33

Incident Energy (eV)

42-Mo-93

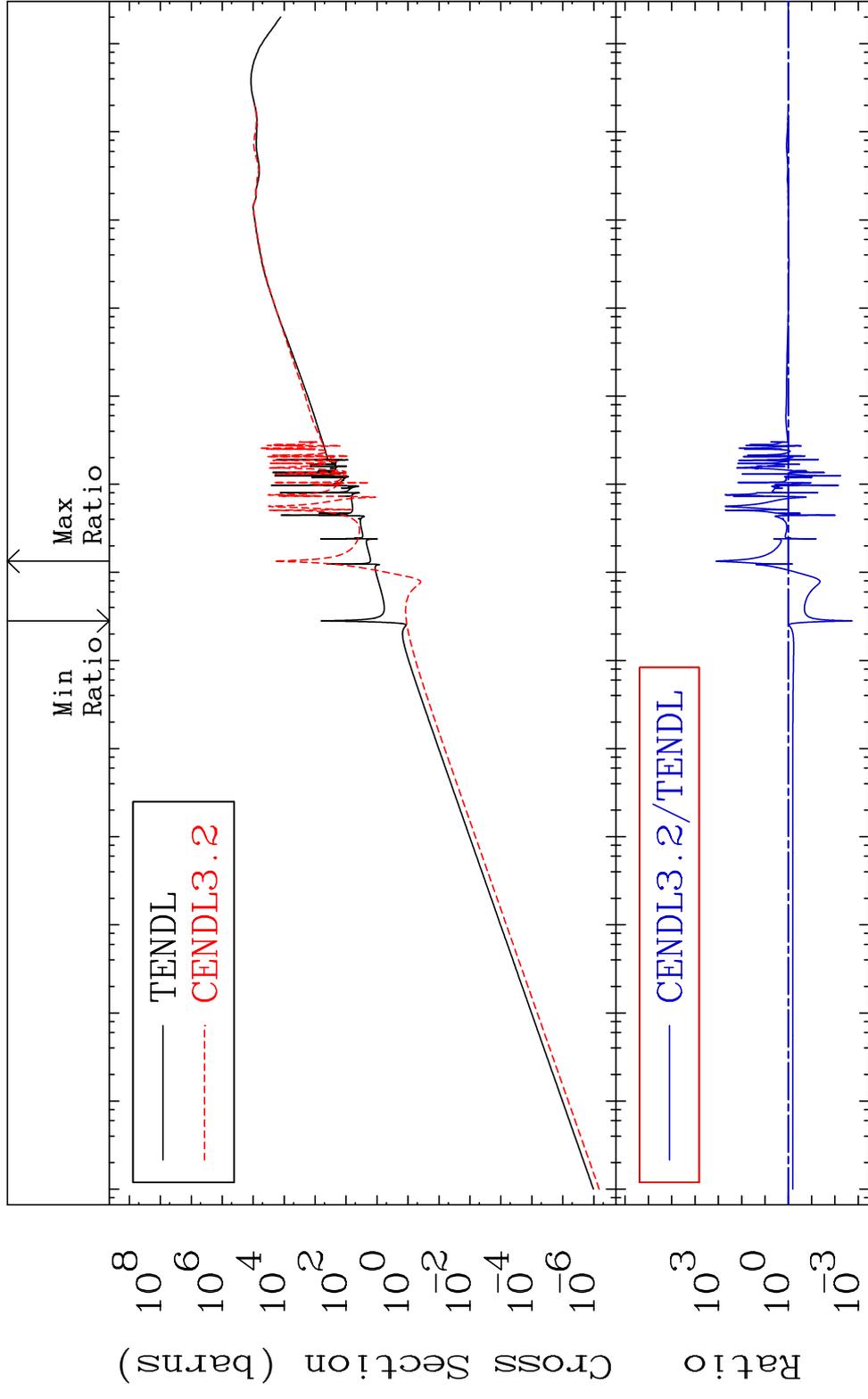
MAT 4228 Kerma total (eV-barns) 42-Mo-93  
 Cross Section -88.94 To 9999. %



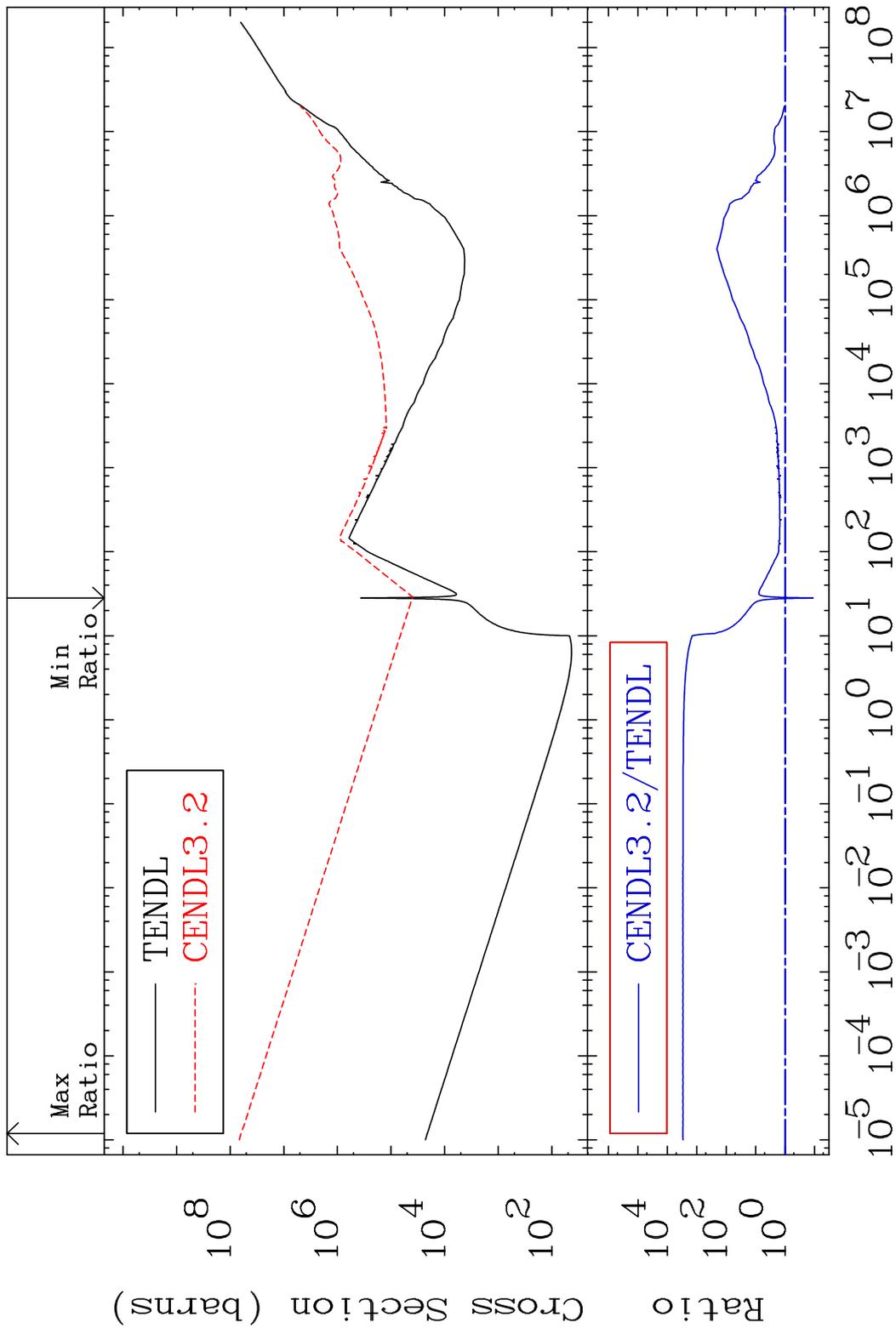
MAT 4228

Kerma elastic  
Cross Section

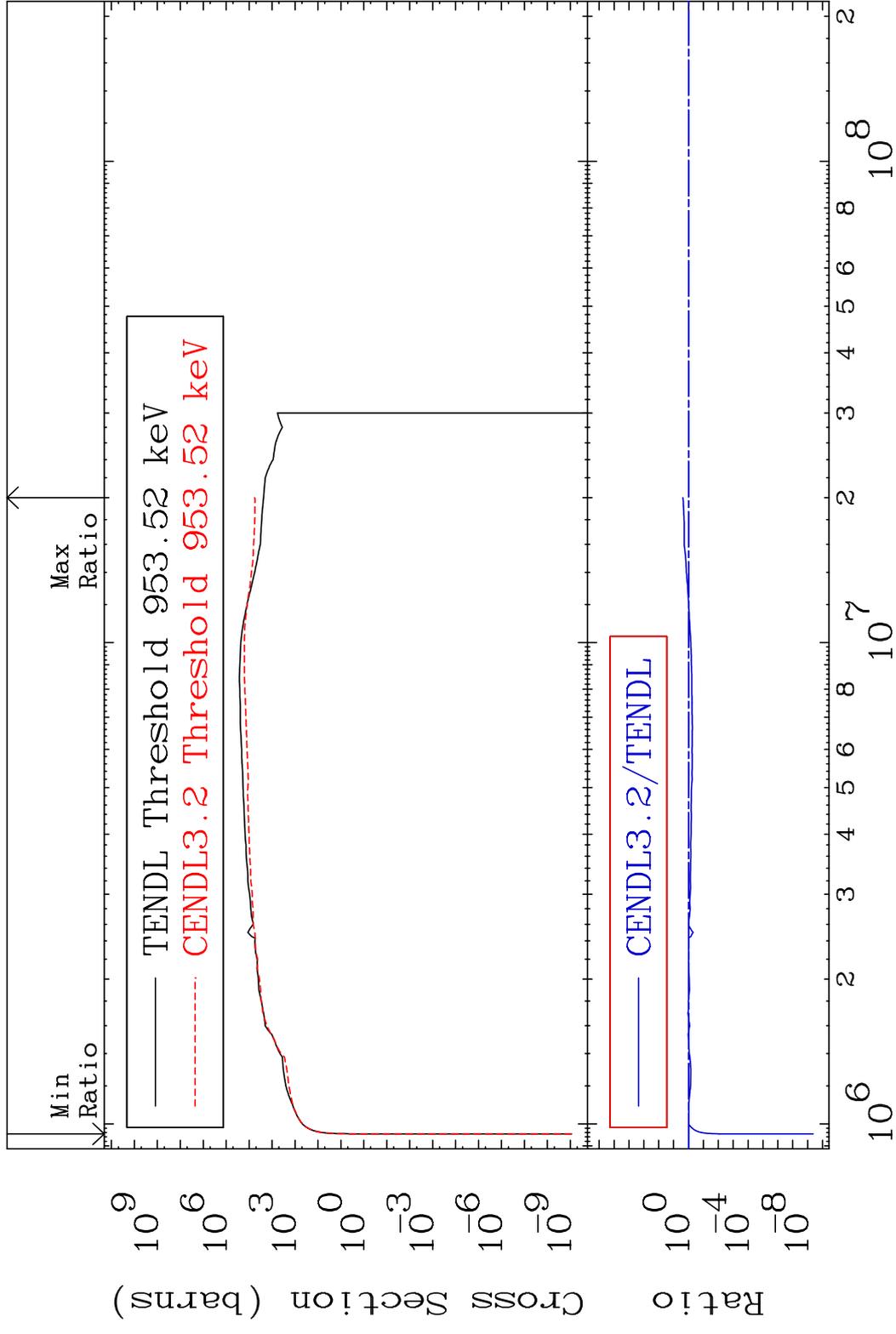
-99.82 To 9999. %  
42-Mo-93



MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93  
 Cross Section -88.92 To 9999. %

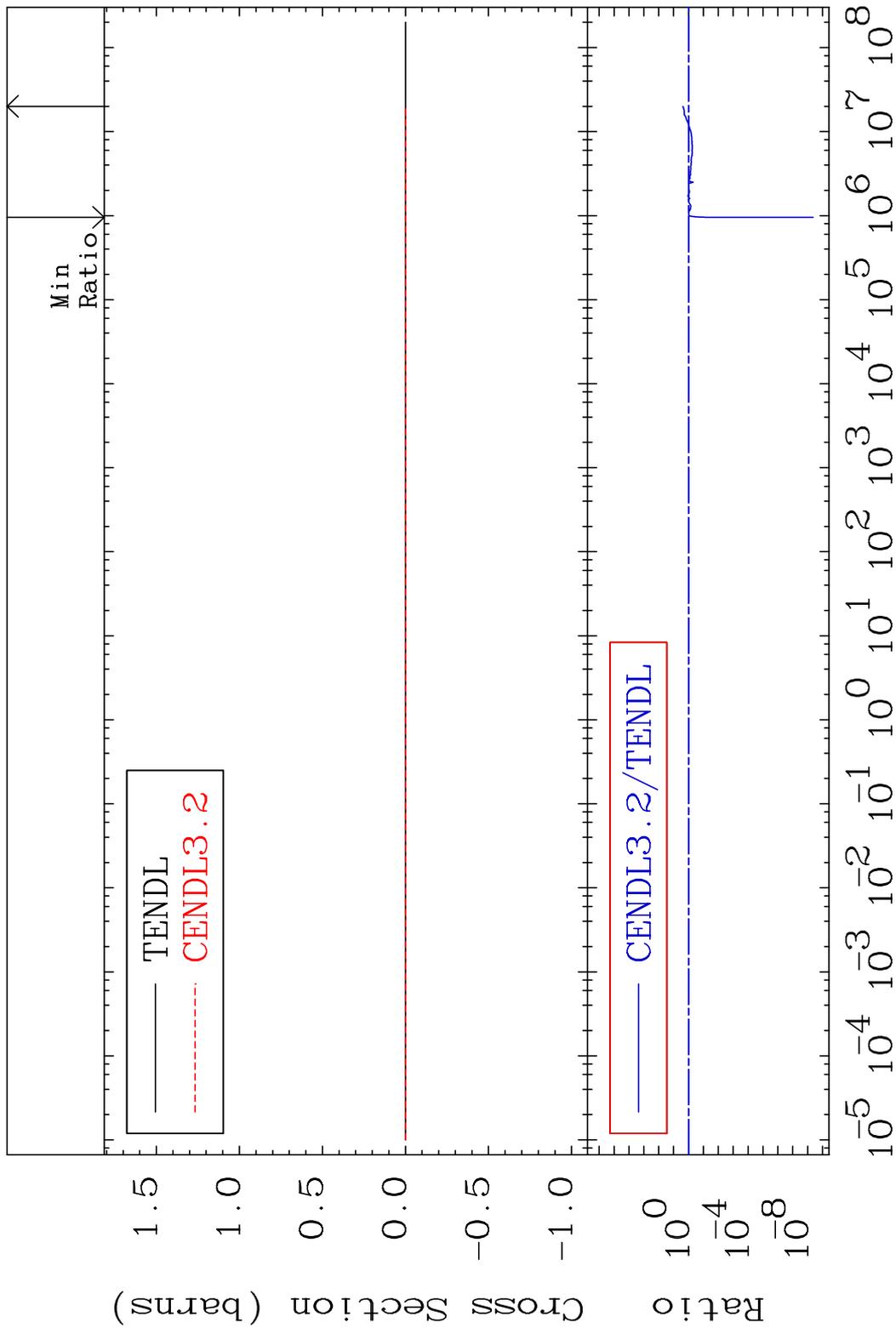


MAT 4228 Kerma inelastic (mt51-91) 42-Mo-93  
 Cross Section -100.0 To 140.7 %



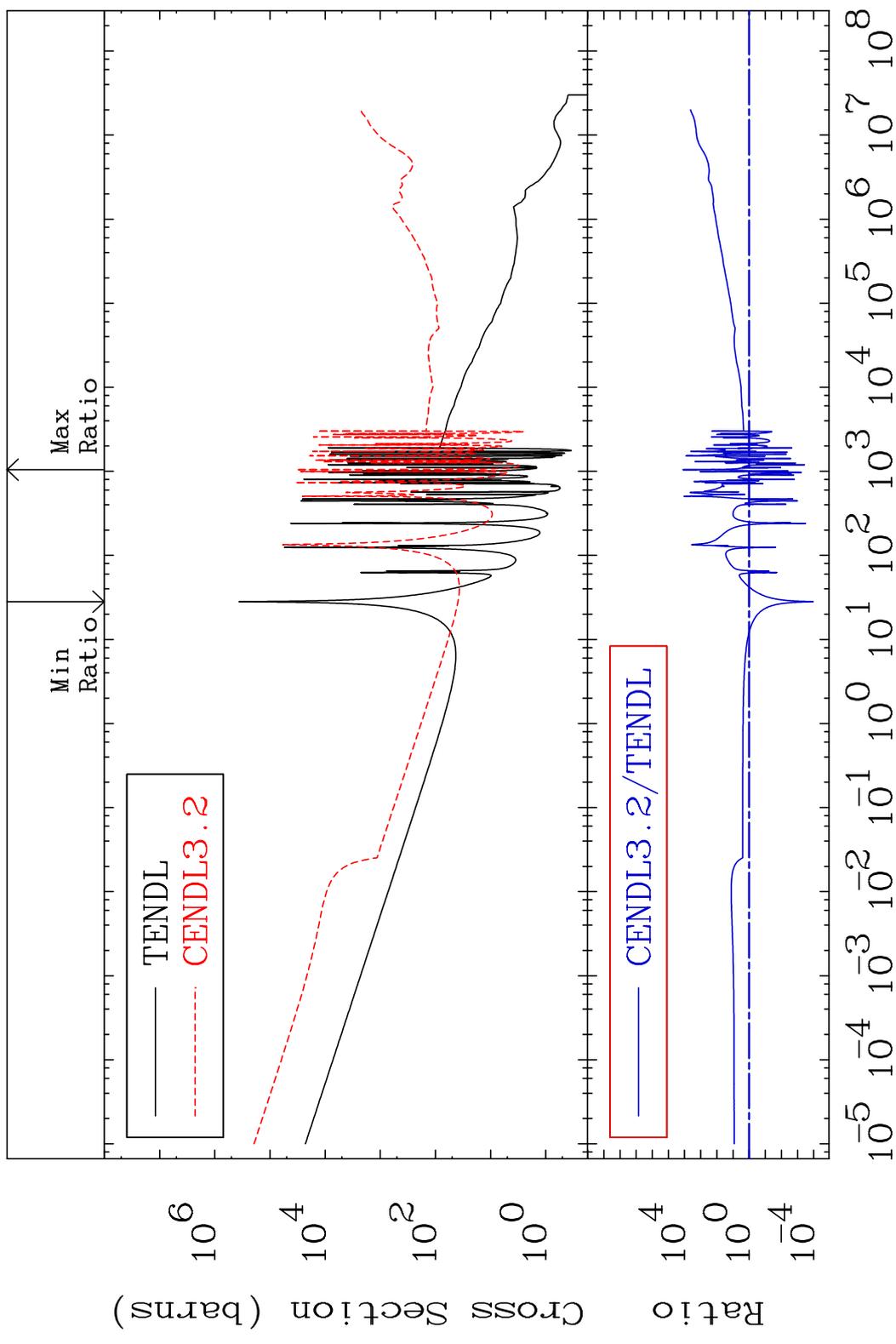
37 Incident Energy (eV) 42-Mo-93

MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93  
 Cross Section -100.0 To 140.7 %



MAT 4228

Kerma capture (mt102) 42-Mo-93  
Cross Section -99.99 To 9999. %

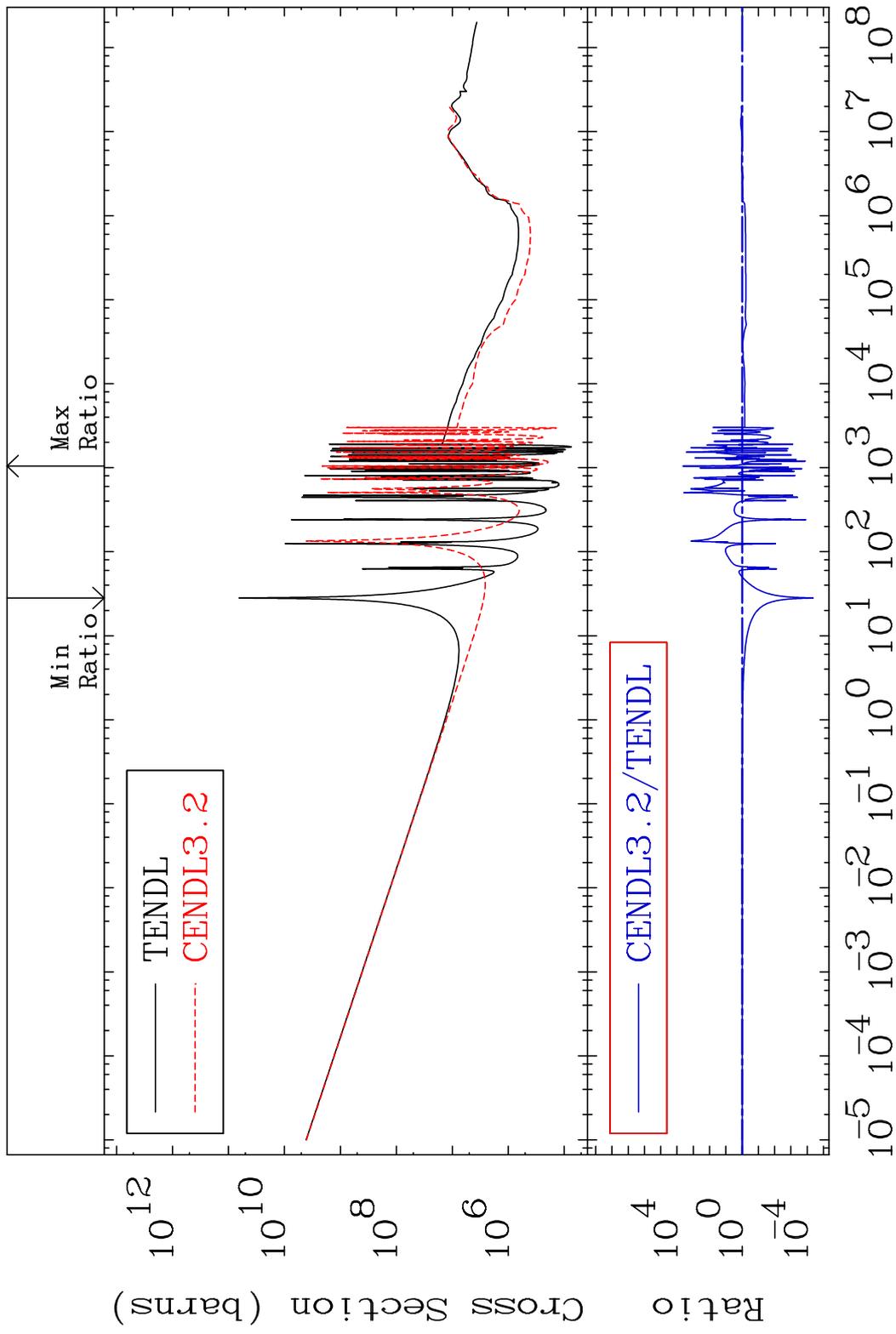


39

Incident Energy (eV)

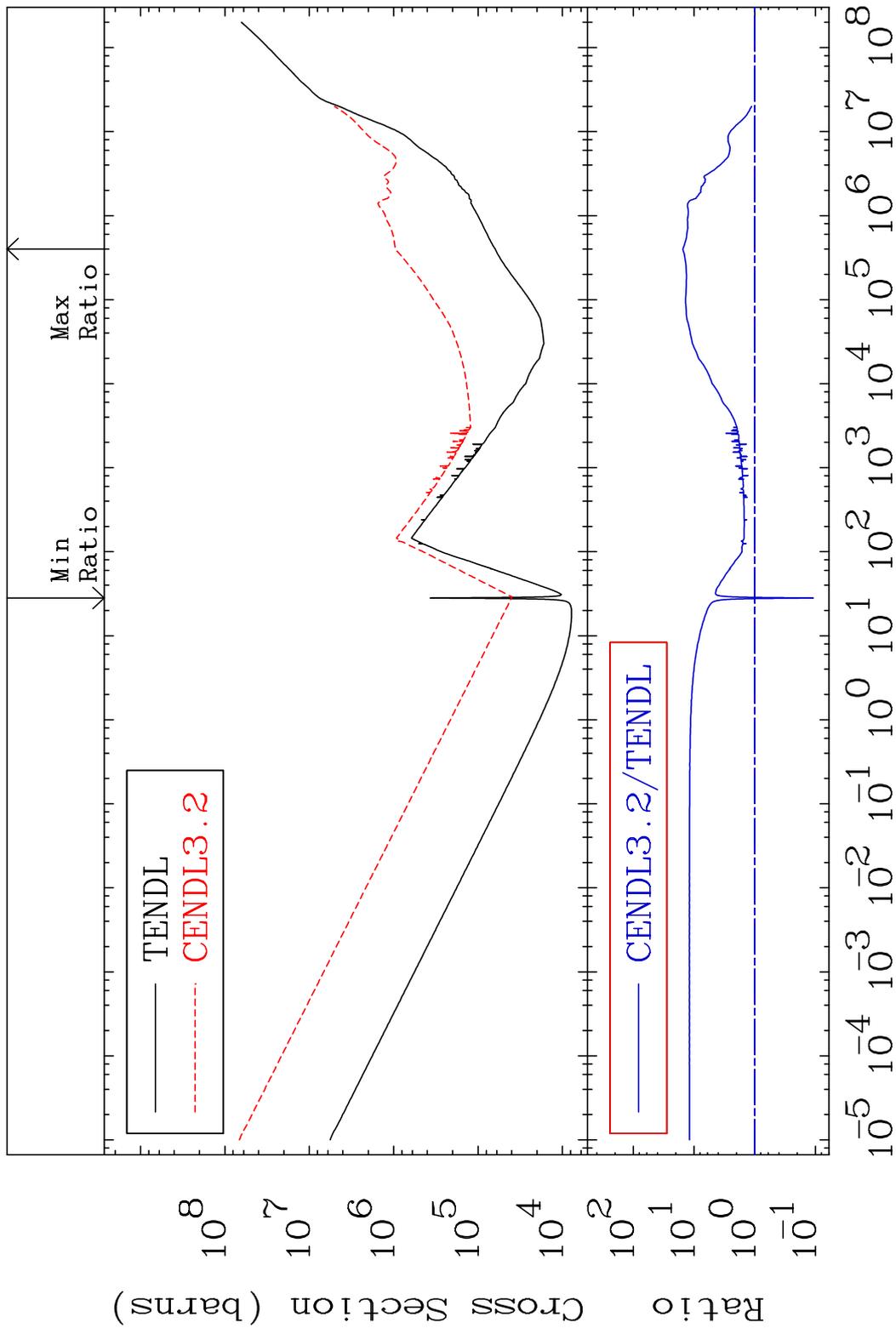
42-Mo-93

MAT 4228 Total photon (eV-barns) 42-Mo-93  
Cross Section -100.0 To 9999. %

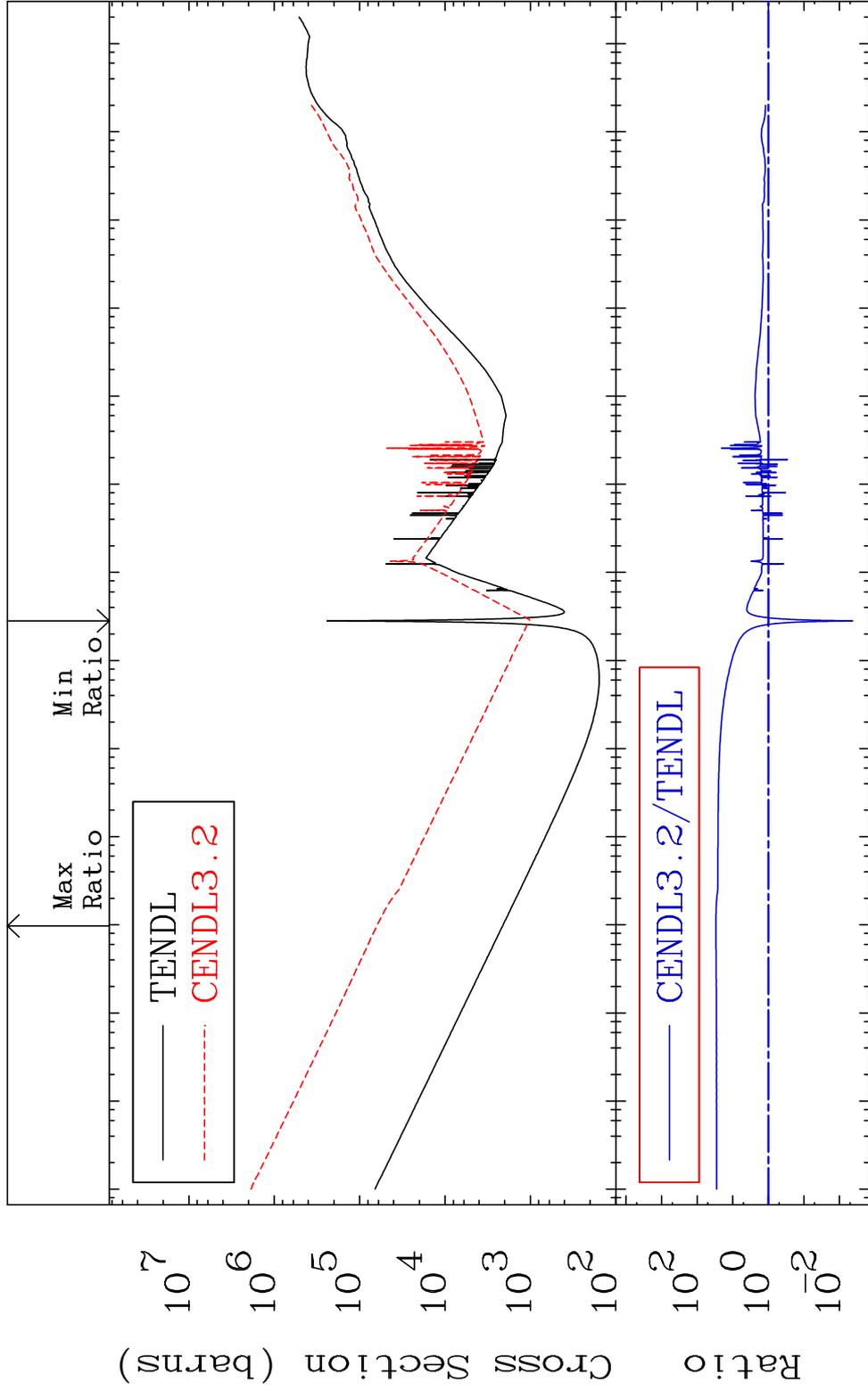


40 Incident Energy (eV) 42-Mo-93

MAT 4228 Total kinematic kerma (high limit) 42-Mo-93  
 Cross Section -89.06 To 1429. %



MAT 4228 Dpa total (eV-barns) 42-Mo-93  
 Cross Section -99.57 To 2877. %



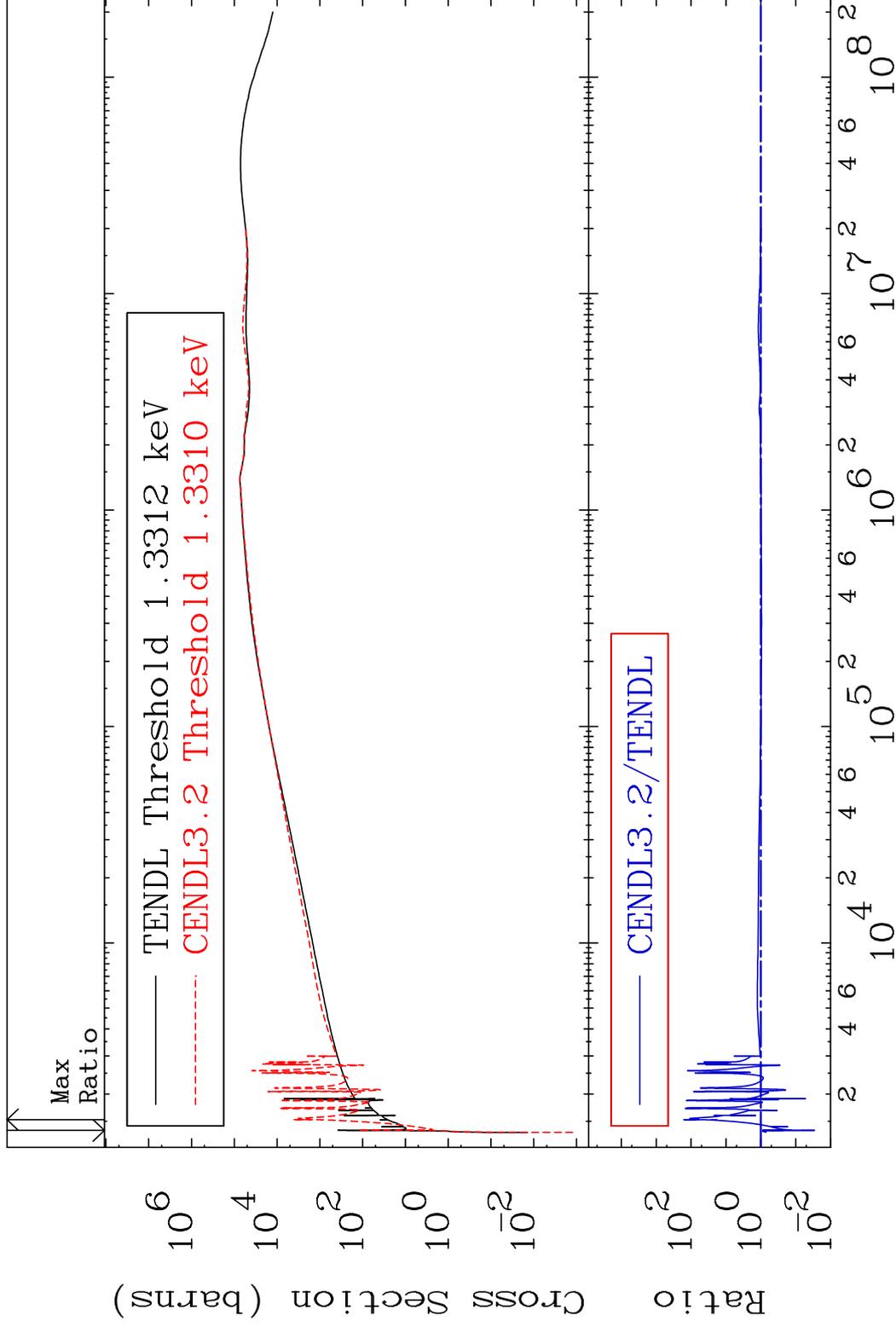
42 Incident Energy (eV) 42-Mo-93

MAT 4228

Dpa elastic (mt2)

42-Mo-93

Cross Section -97.15 To 9999. %

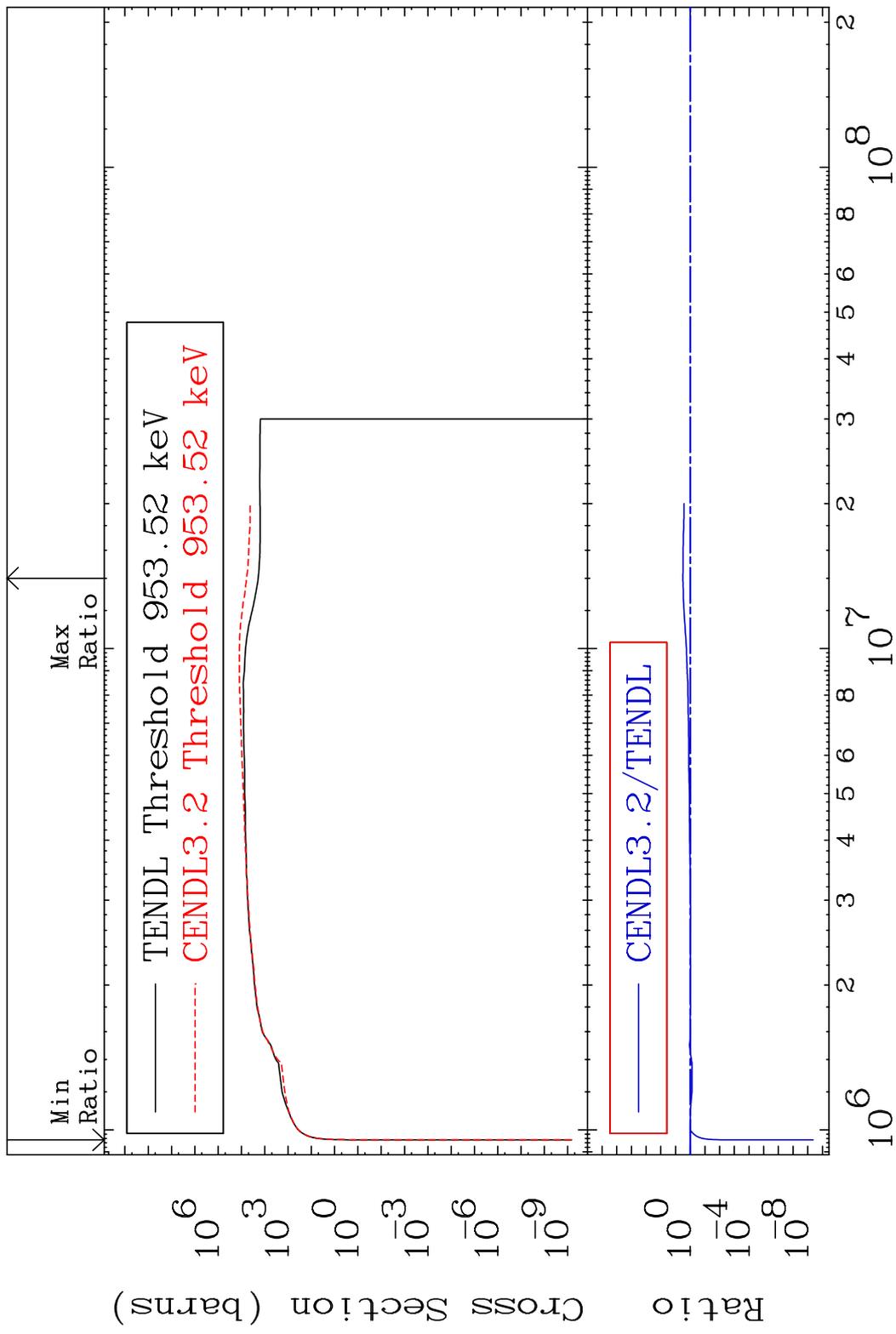


43

Incident Energy (eV)

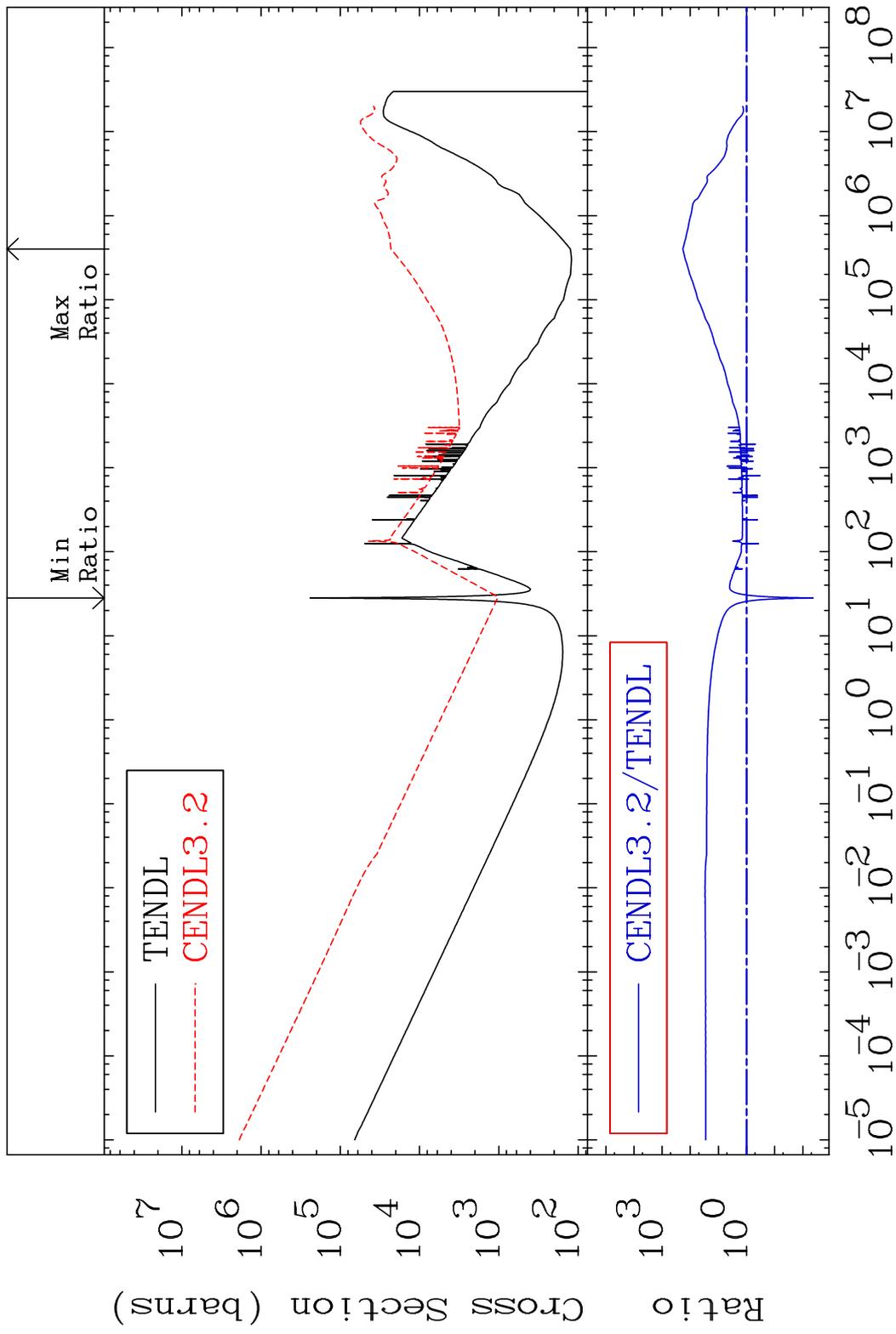
42-Mo-93

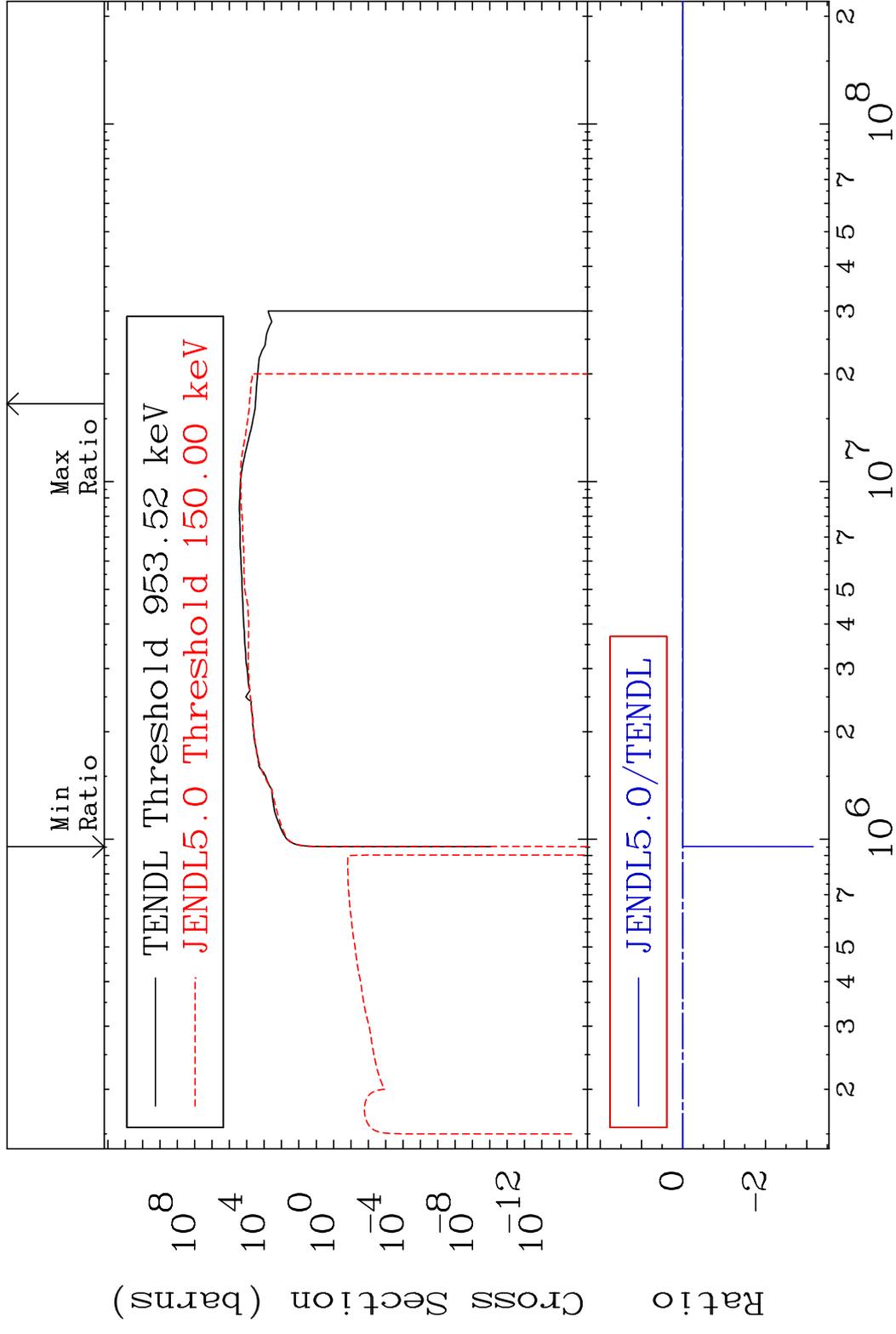
MAT 4228      Dpa inelastic (mt51-91)      42-Mo-93  
 Cross Section      -100.0 To 218.3 %



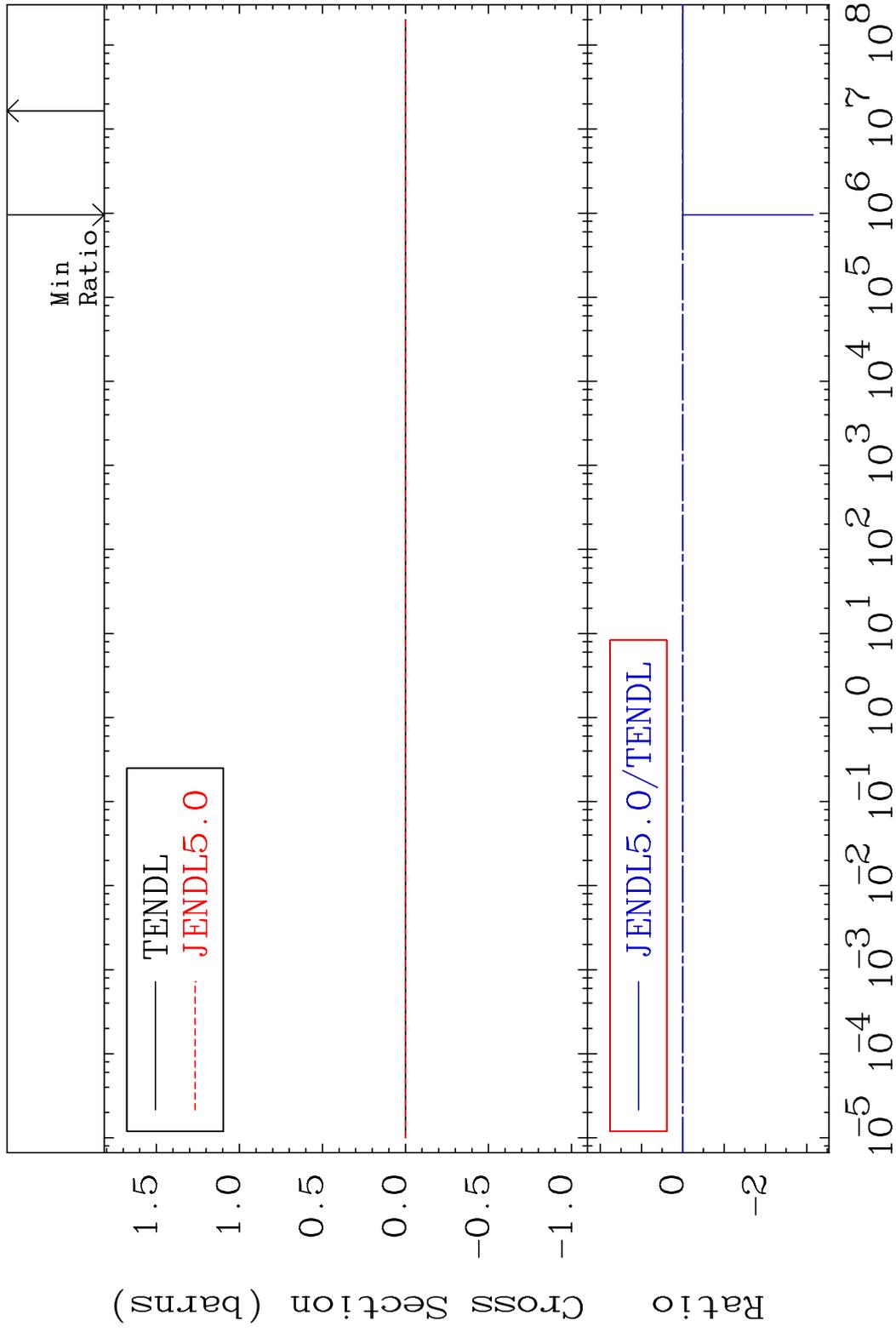
44      Incident Energy (eV)      42-Mo-93

MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93  
 Cross Section -99.57 To 9999. %

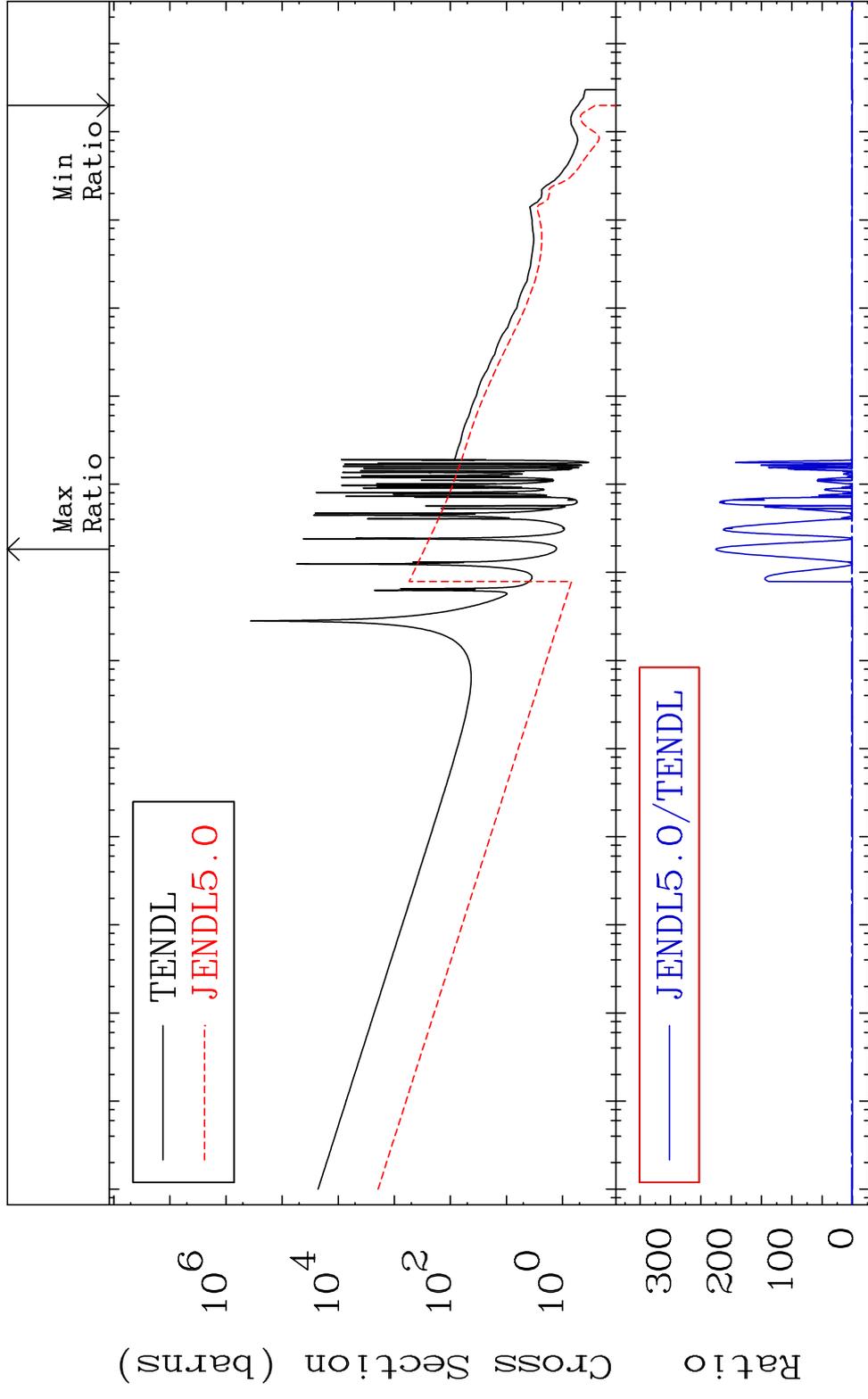




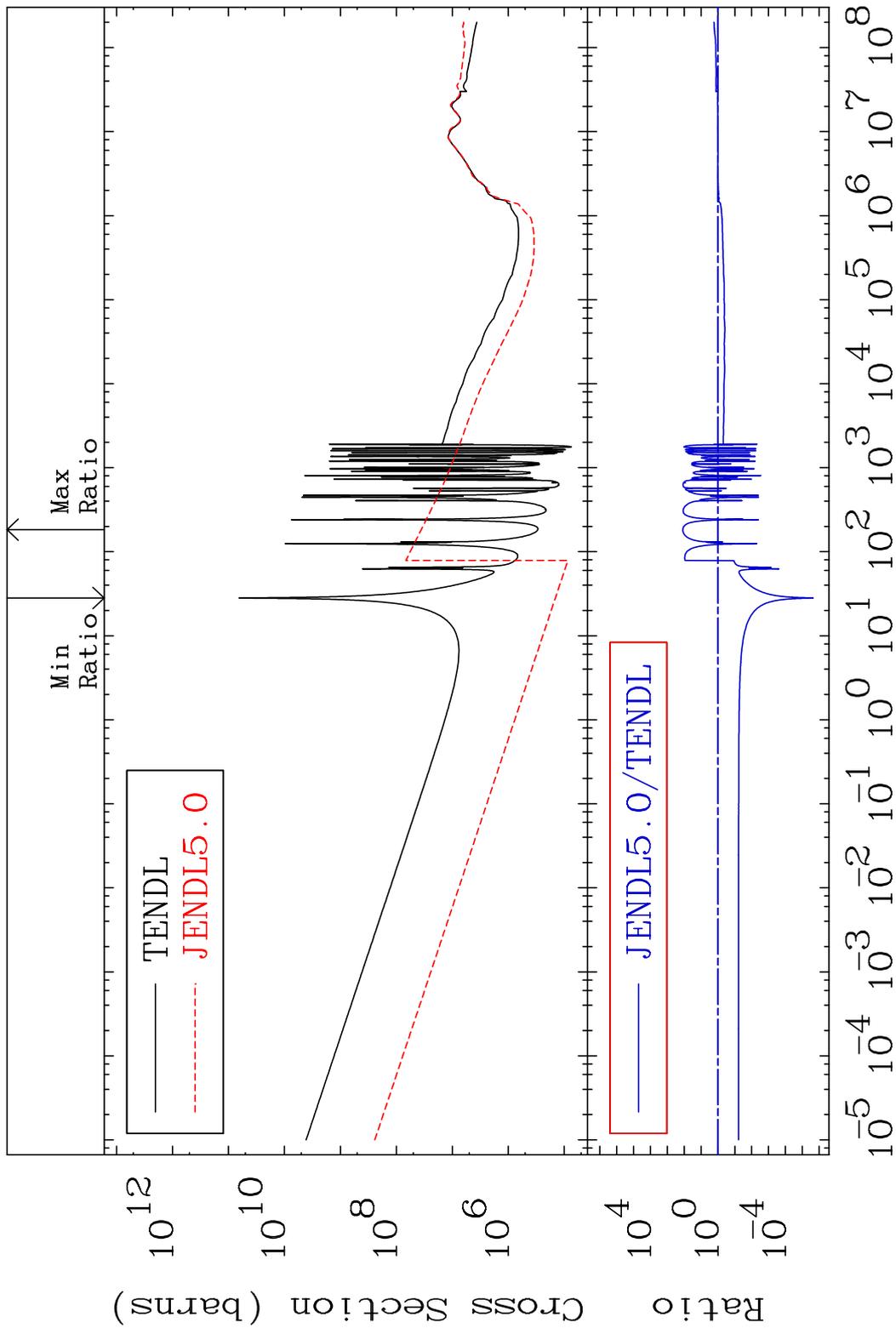
MAT 4228 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-93  
 Cross Section -9999. To 125.1 %



MAT 4228 Kerma capture (mt102) 42-Mo-93  
 Cross Section -100.0 To 9999. %

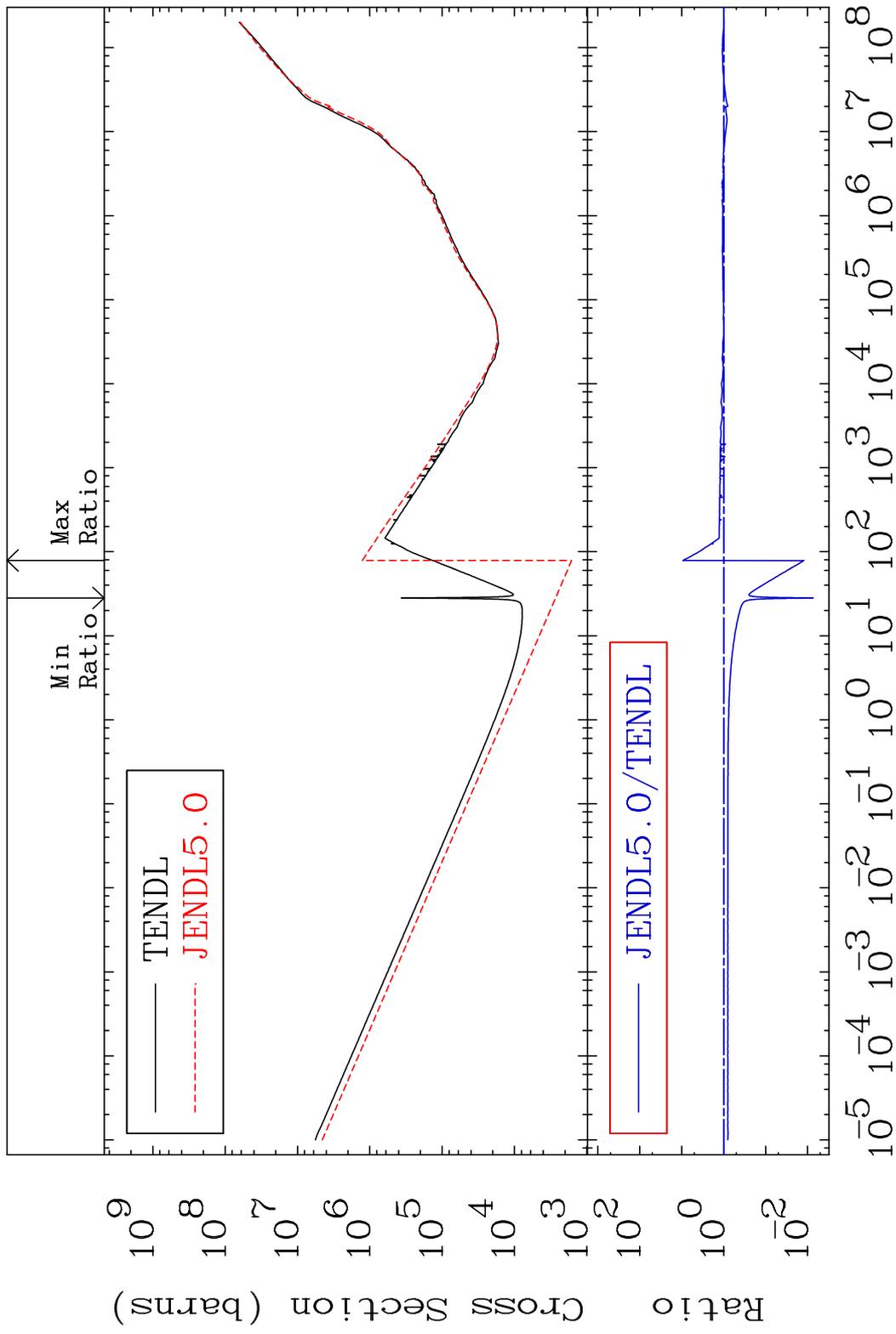


MAT 4228 Total photon (eV-barns) 42-Mo-93  
Cross Section -100.0 To 9999. %

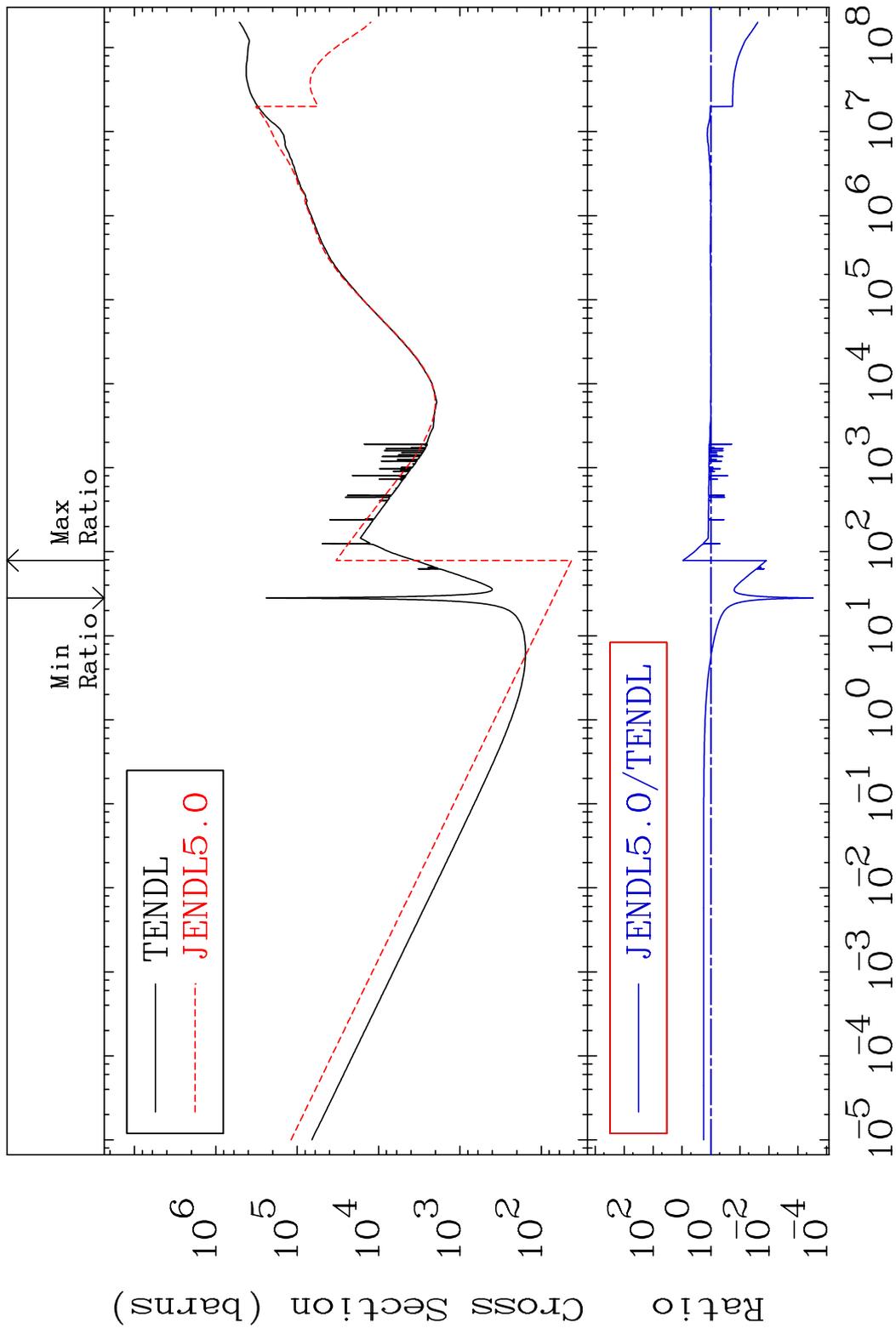


49 Incident Energy (eV) 42-Mo-93

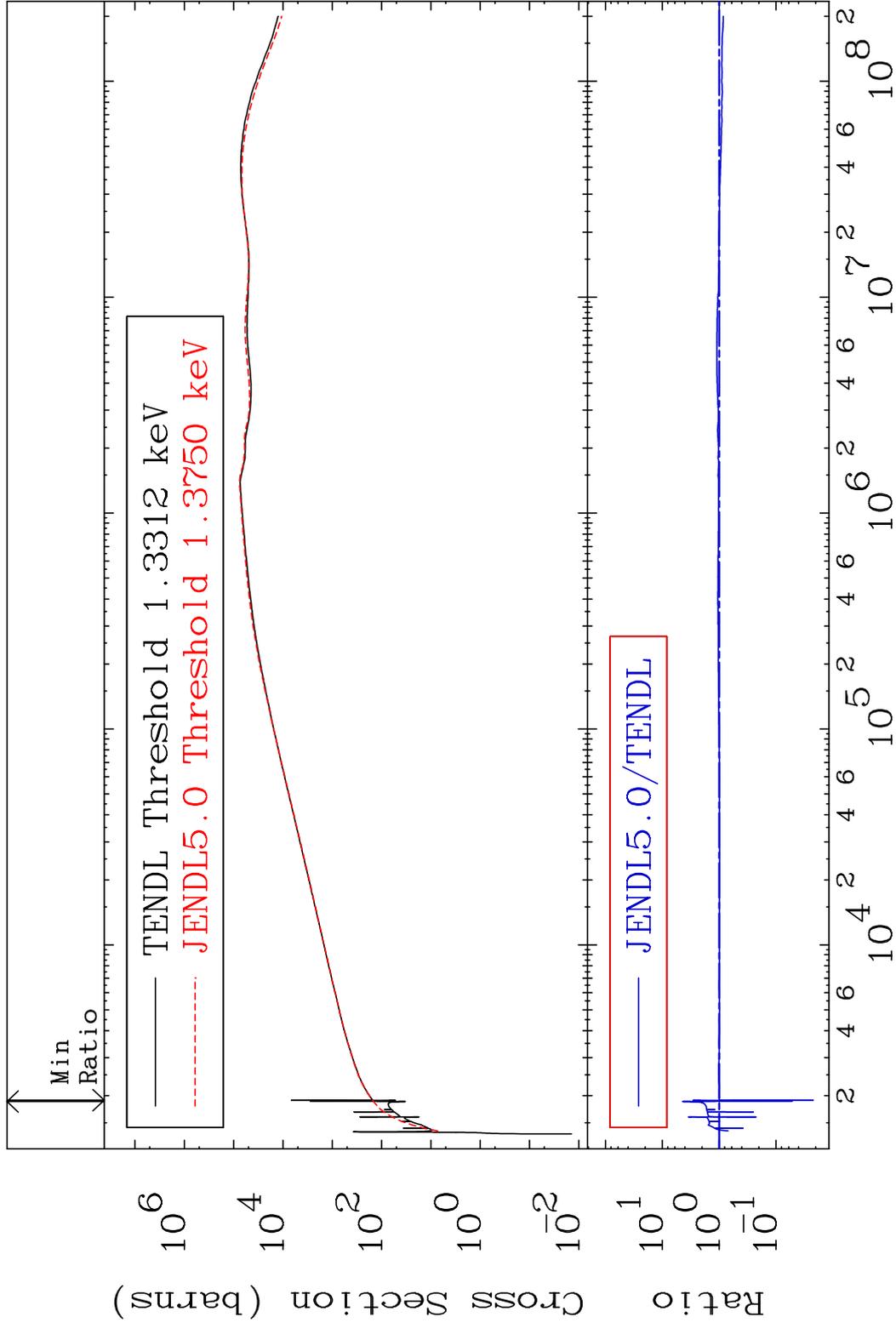
MAT 4228 Total kinematic kerma (high limit) 42-Mo-93  
Cross Section -99.26 To 839.9 %

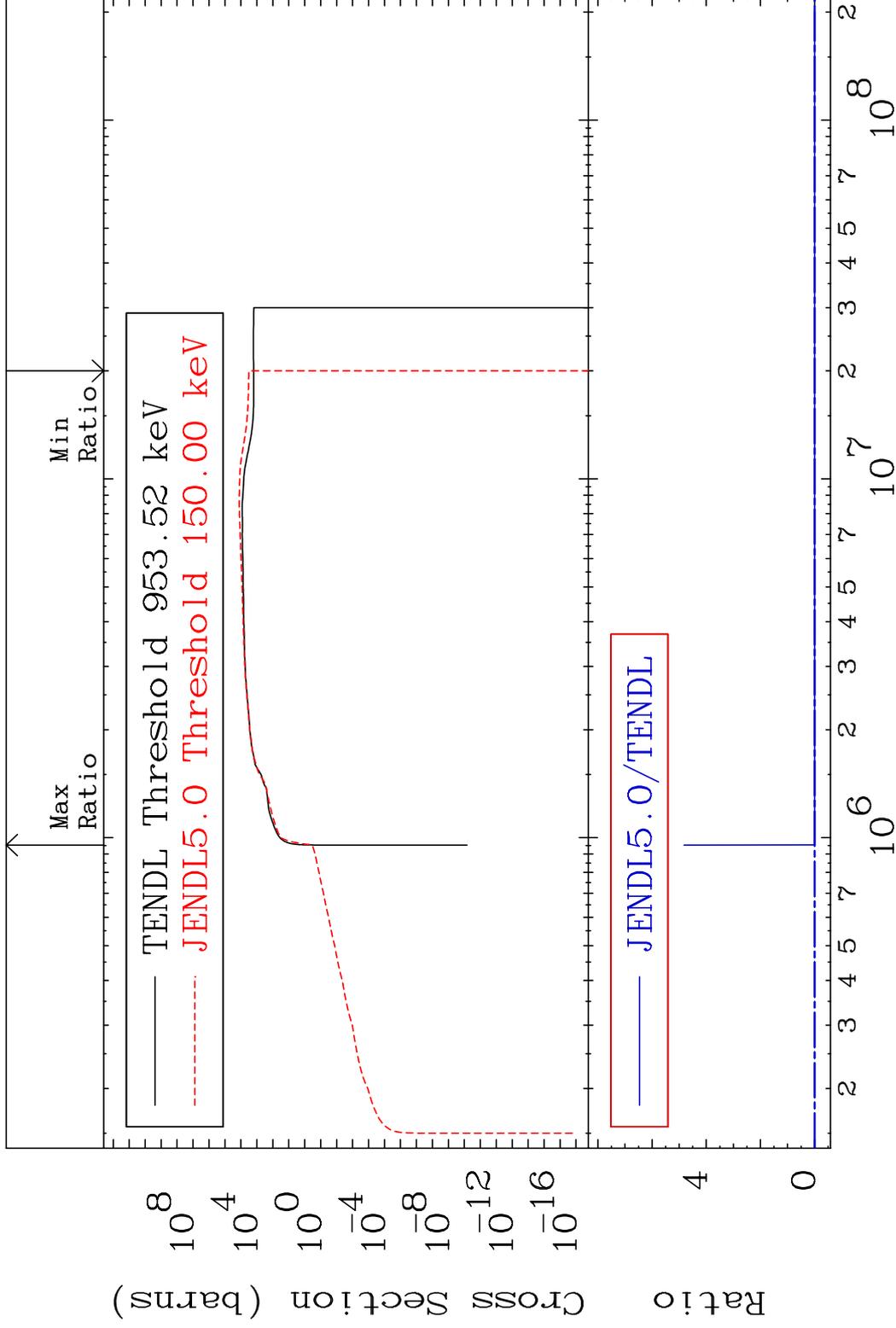


MAT 4228      Dpa total (eV-barns)      42-Mo-93  
 Cross Section      -99.97 To 839.9 %

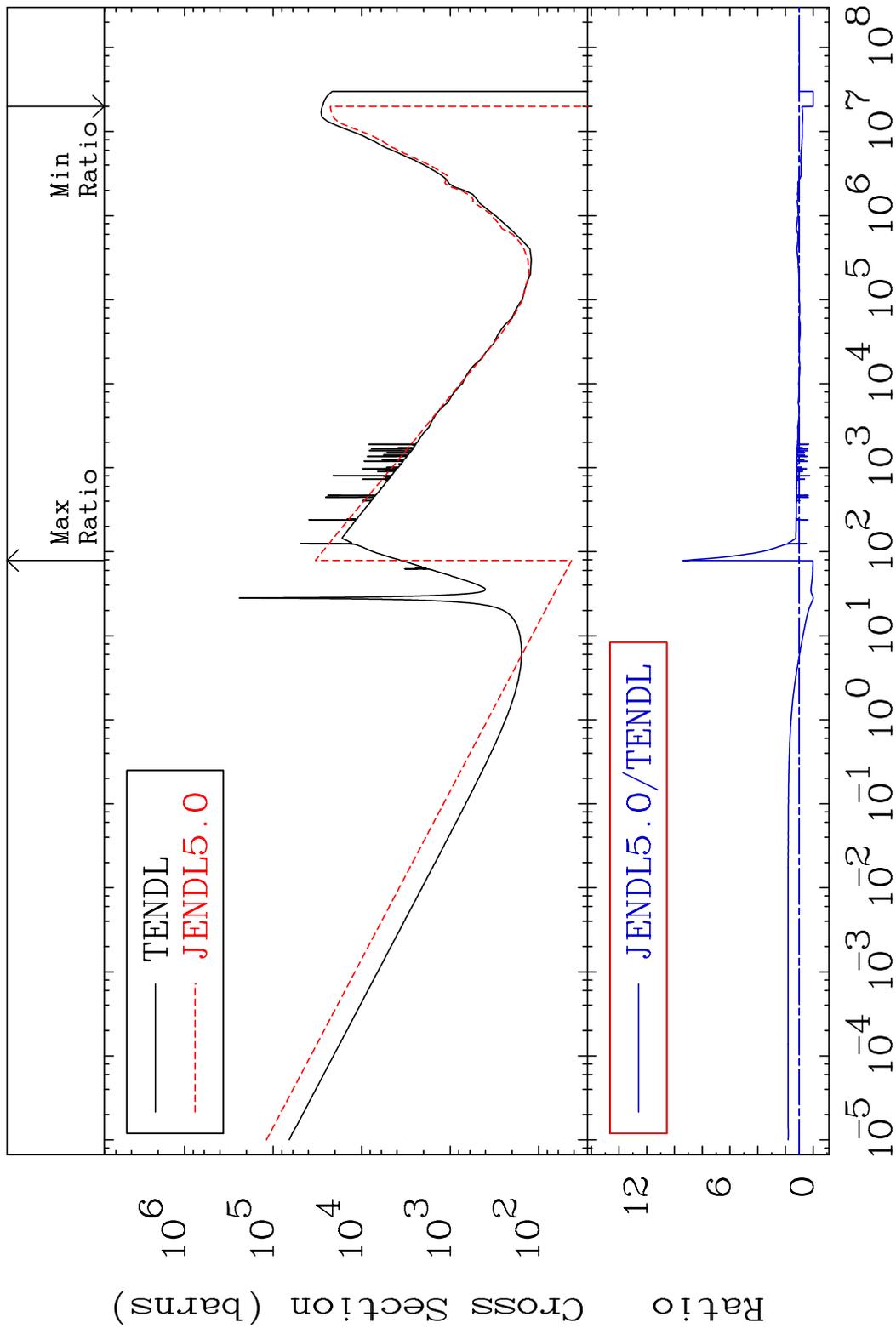


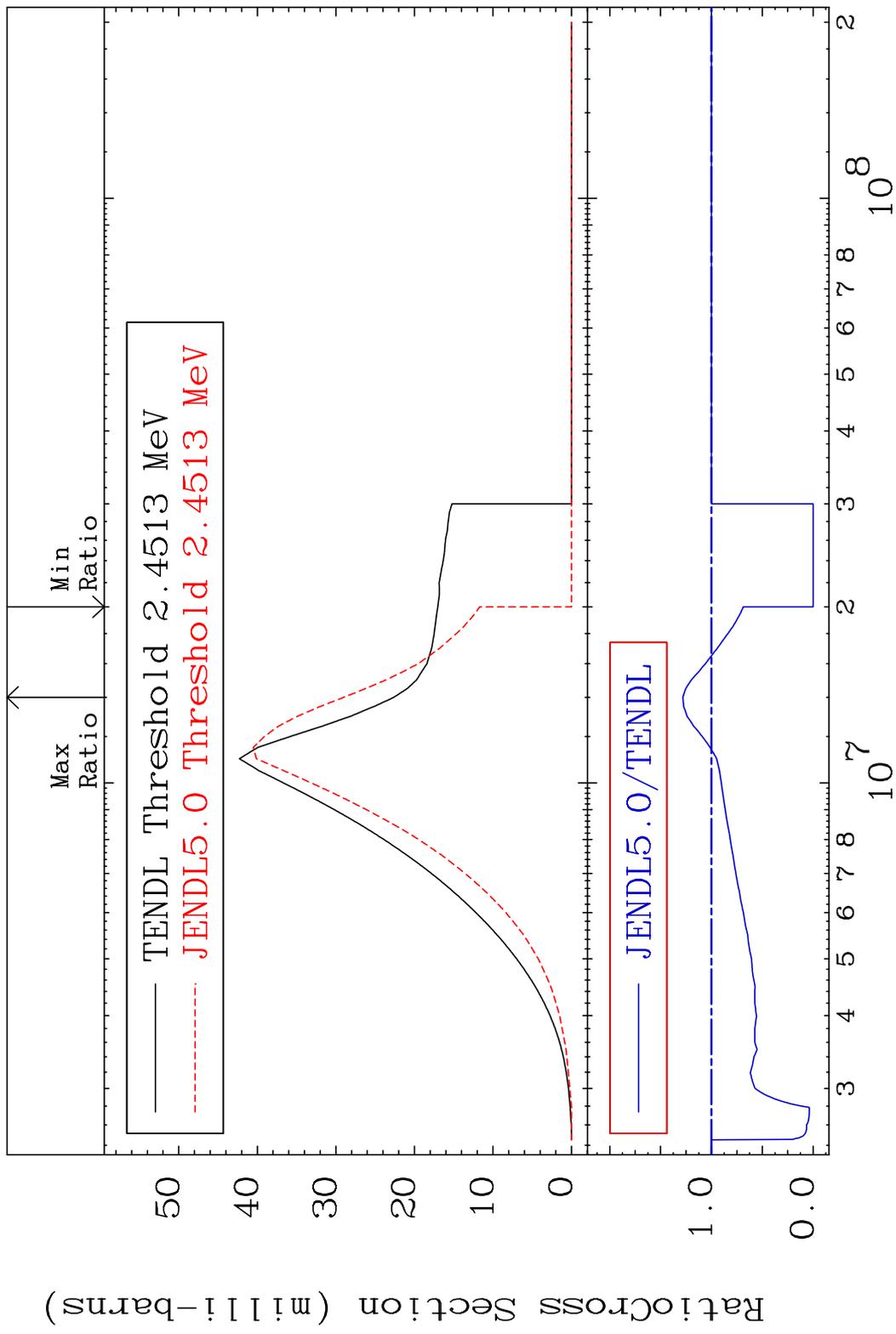
MAT 4228      Dpa elastic (mt2)      42-Mo-93  
 Cross Section      -97.777 To 336.0 %

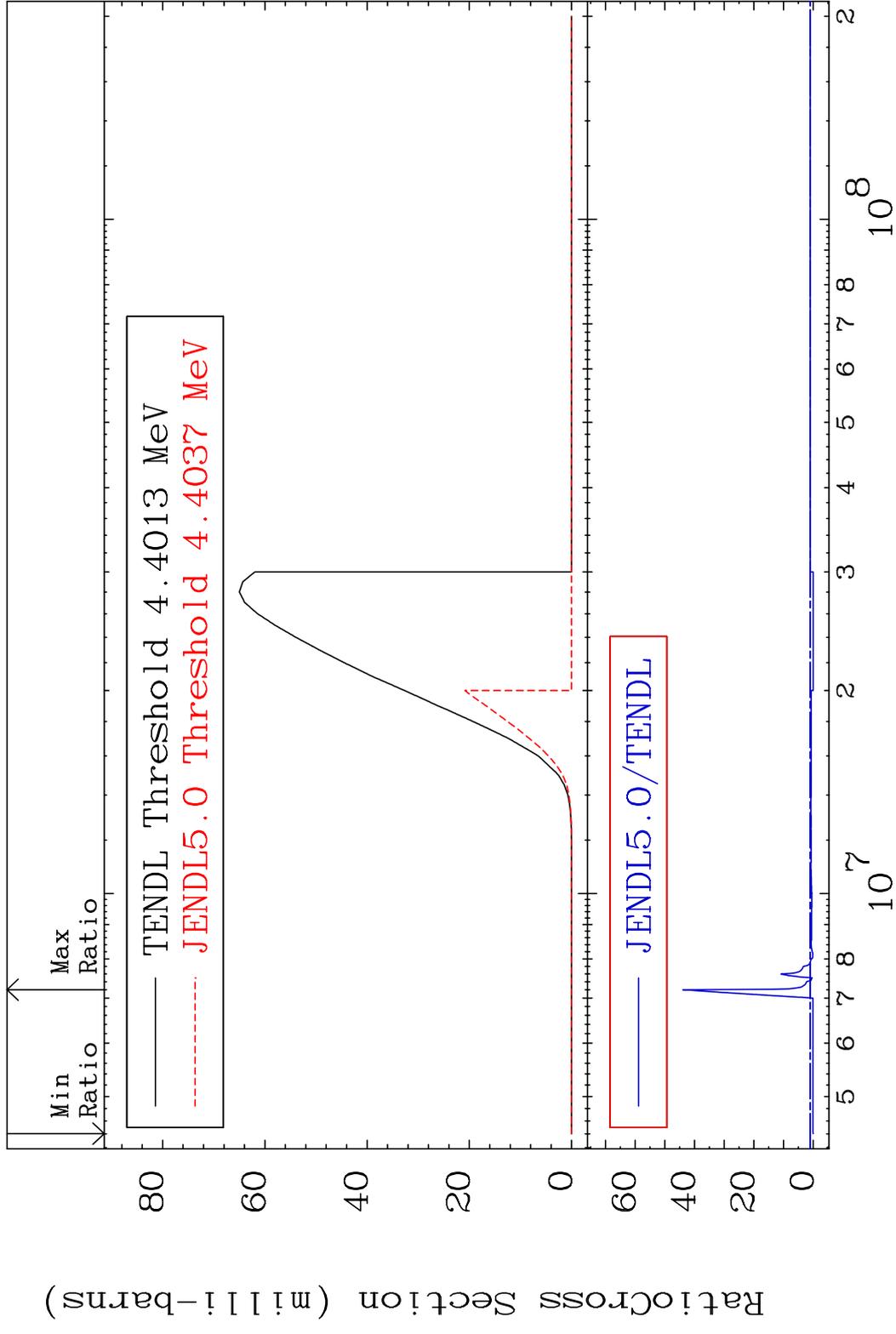


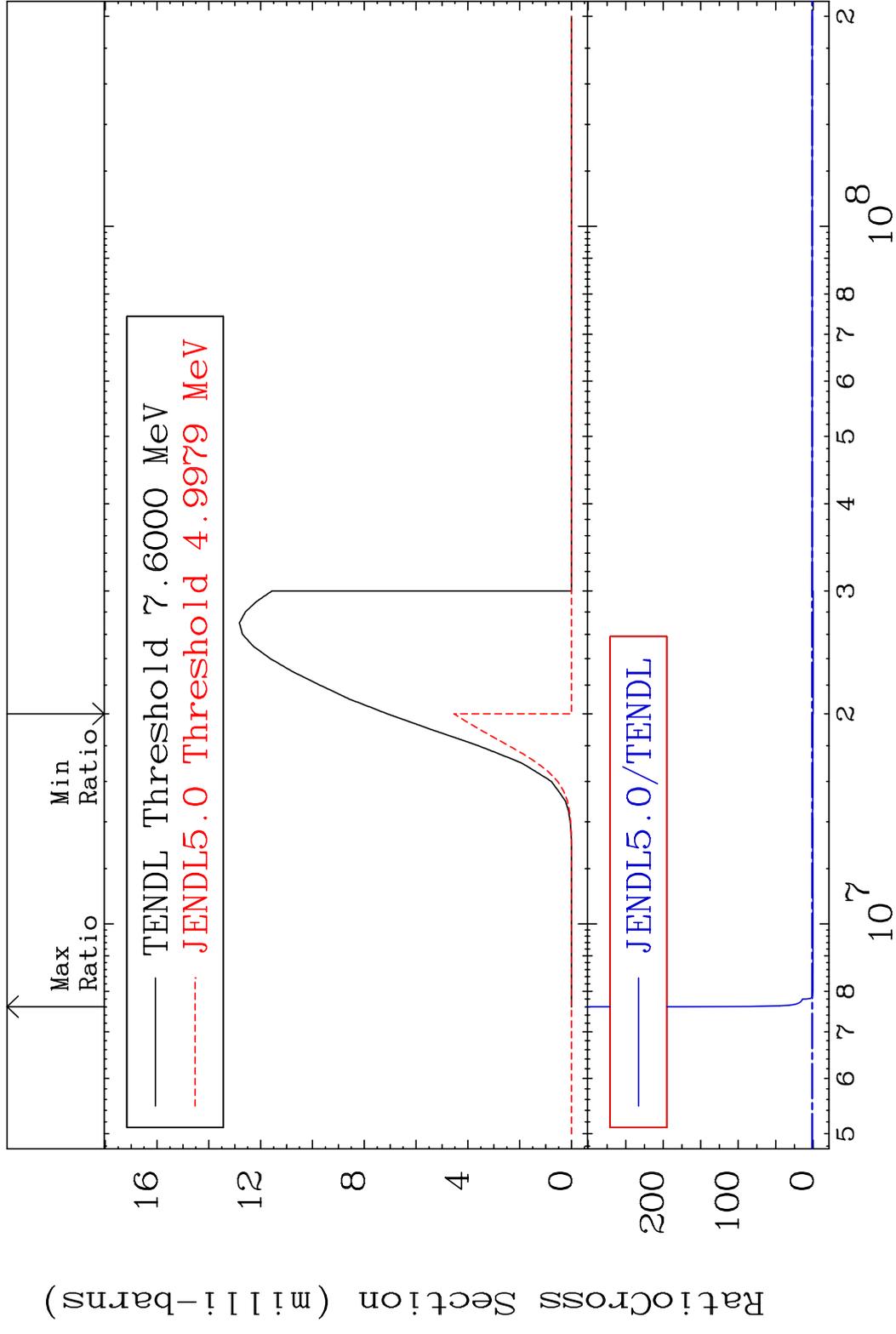


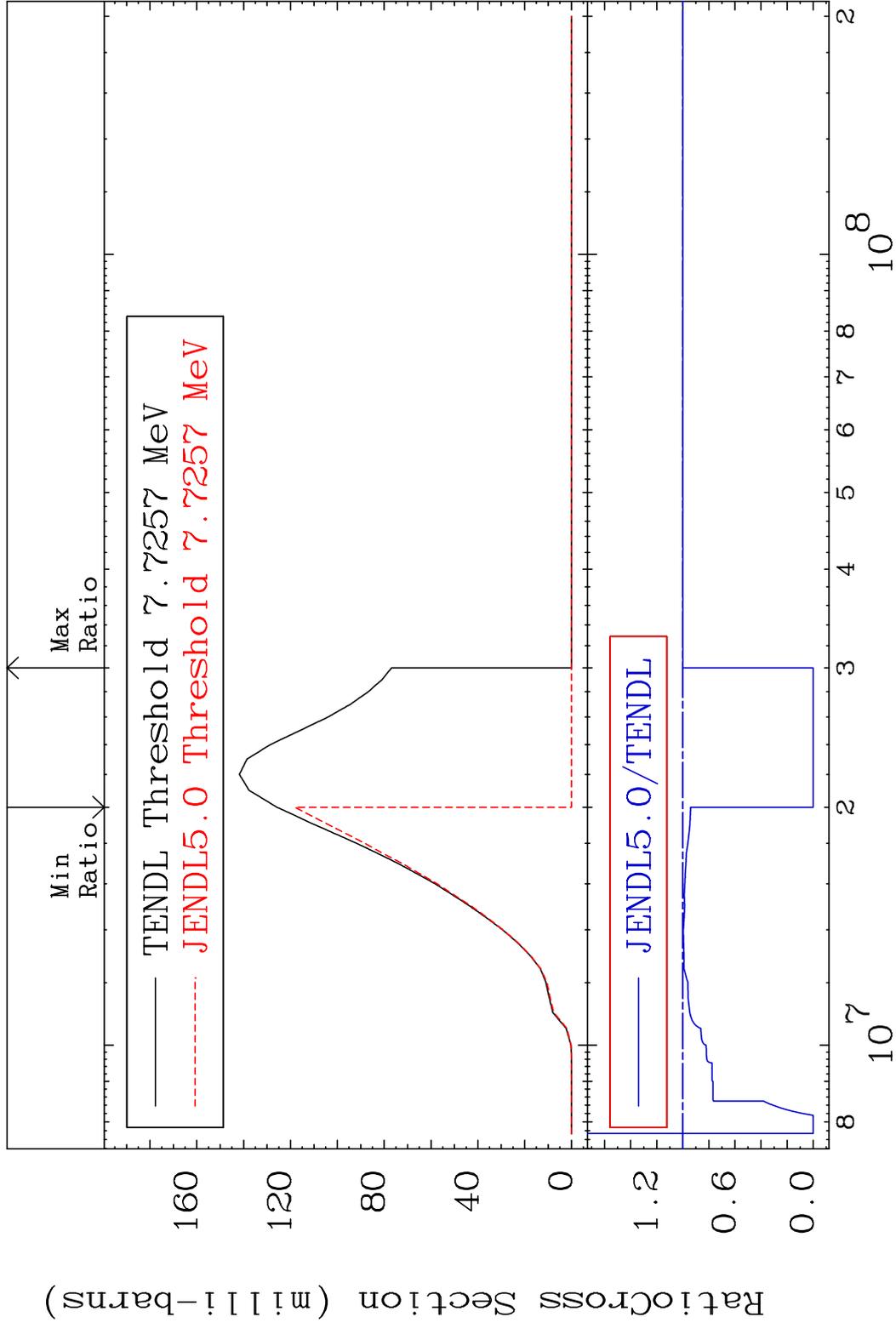
MAT 4228    Dpa disappearance (mt102 -120)    42-Mo-93  
 Cross Section    -100.0 To 839.9 %



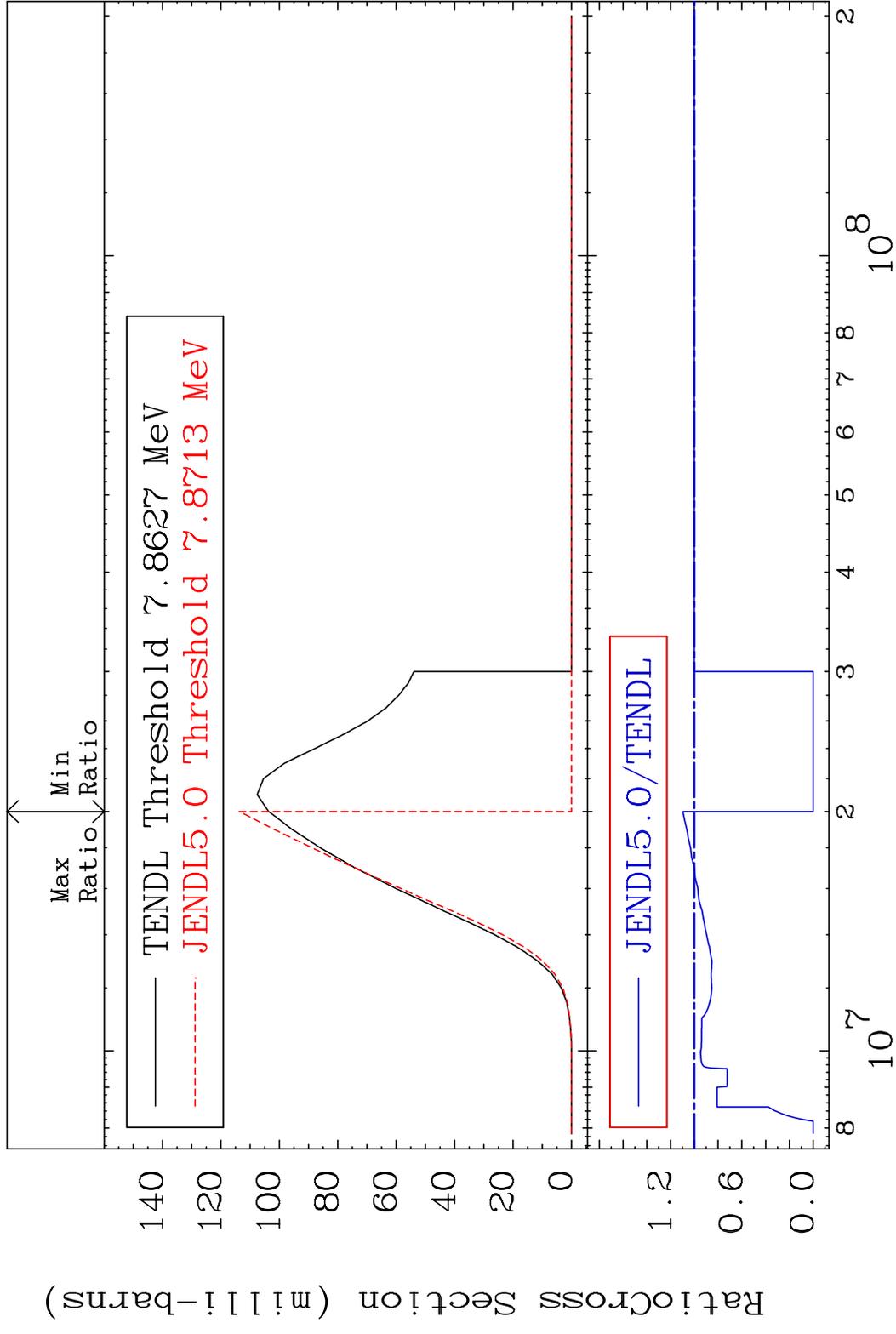




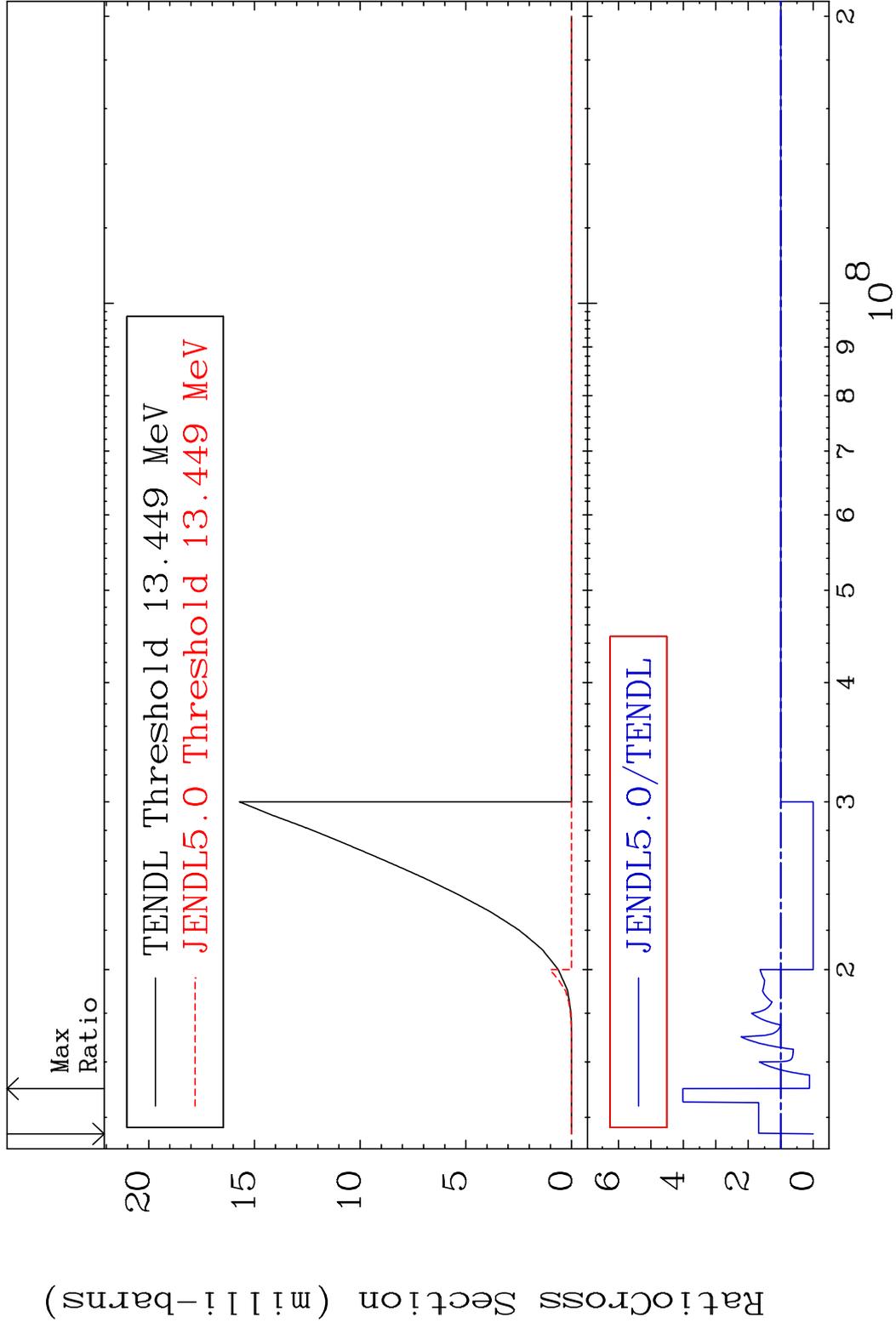




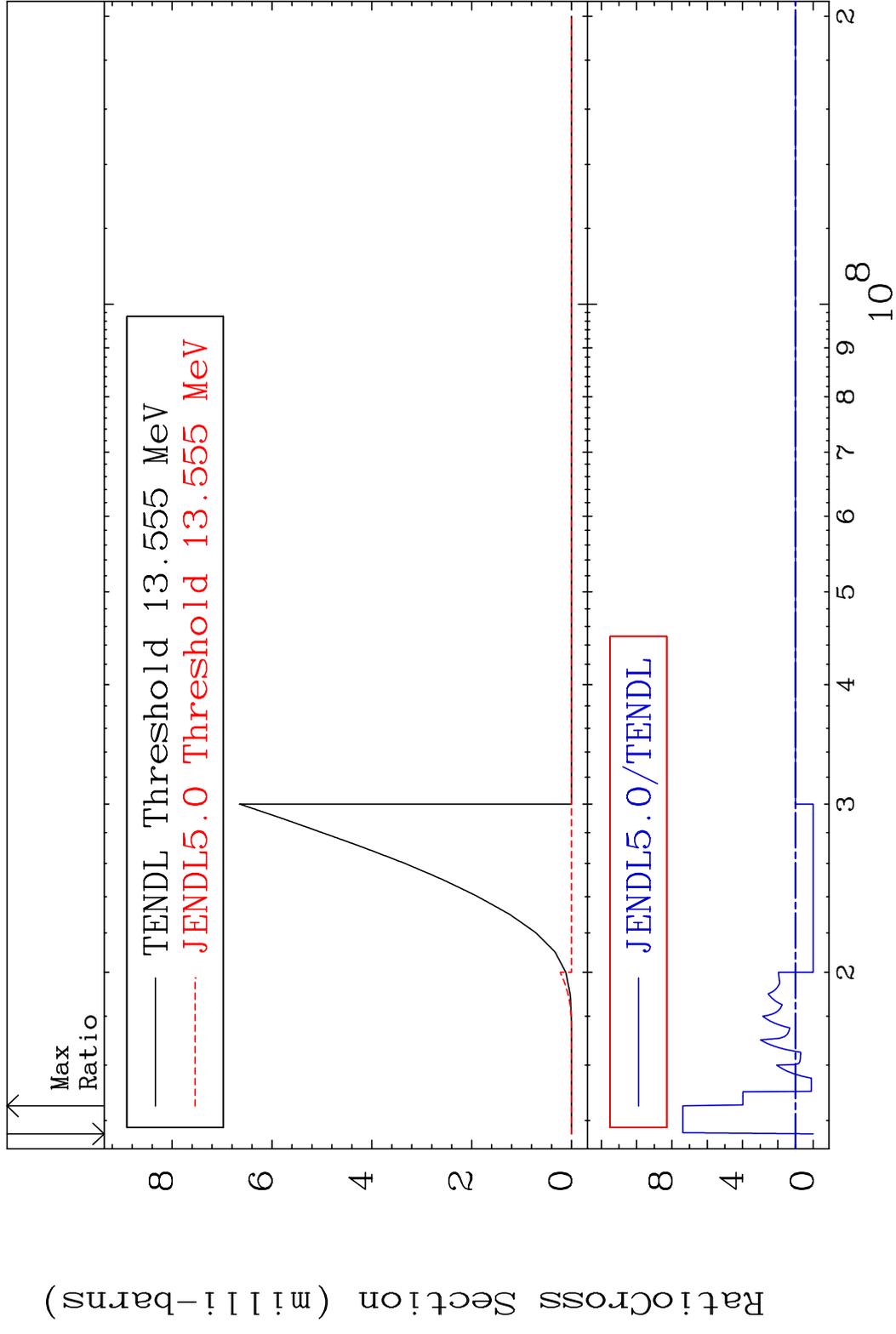
MAT 4228 (n, n') p:41-Nb-92m1 42-Mo-93  
 Radionuclide Production Cross Section Ratio 9.674 %

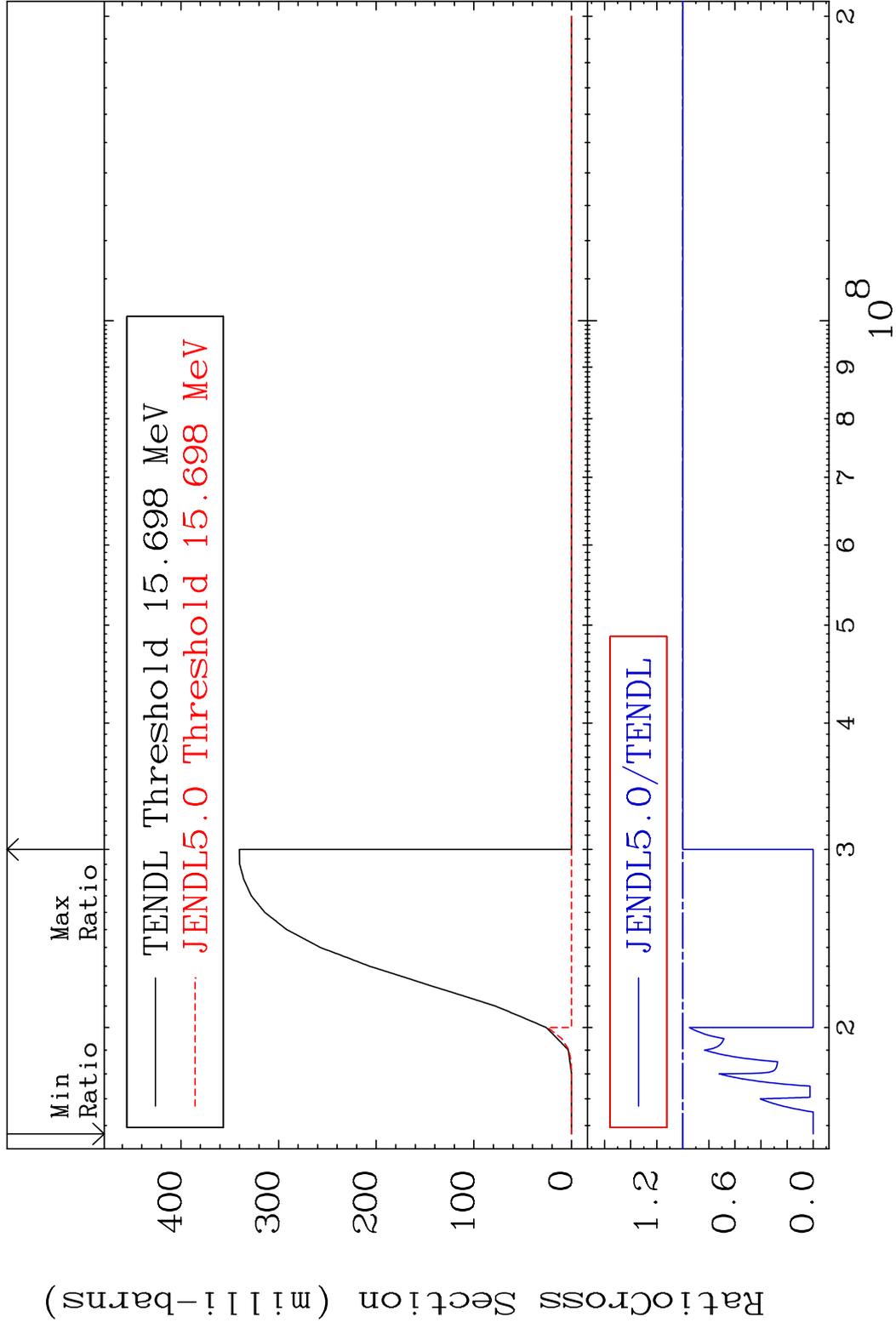


MAT 4228 (n, n') d:41-Nb-91g 42-Mo-93  
 Radionuclide Production Cross Section 180.0 dth 301.6 %

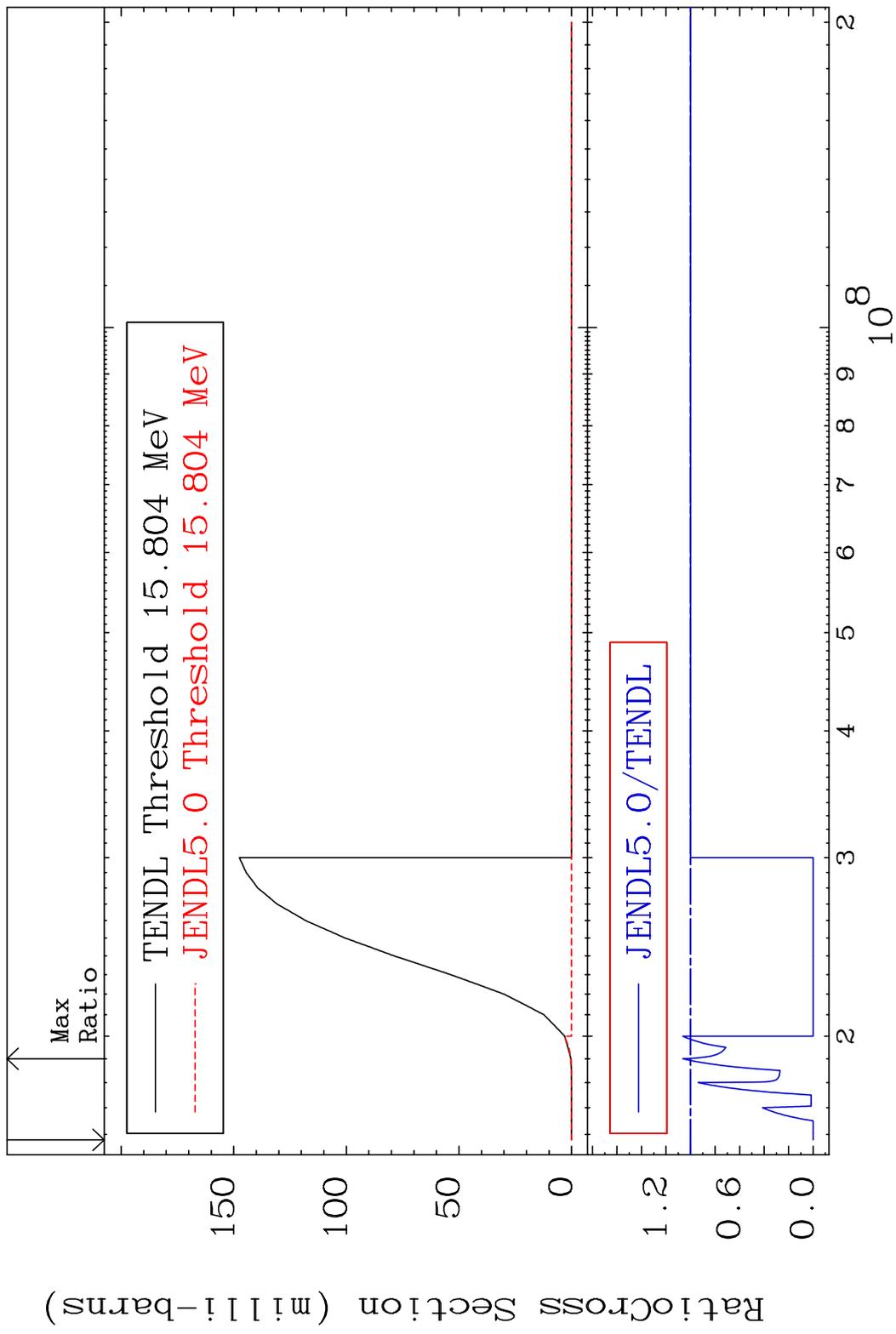


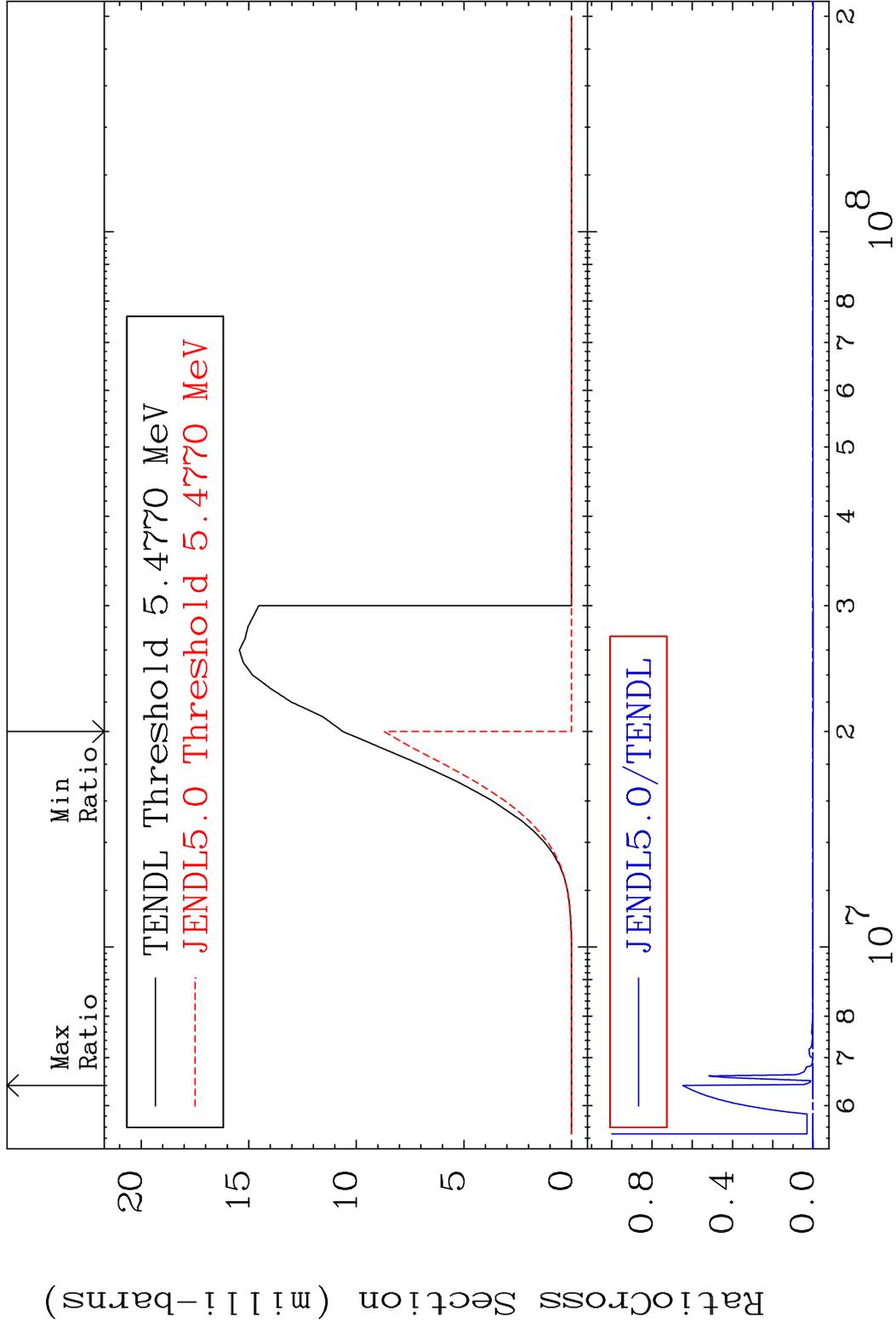
MAT 4228 (n, n') d:41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section 638.3 %



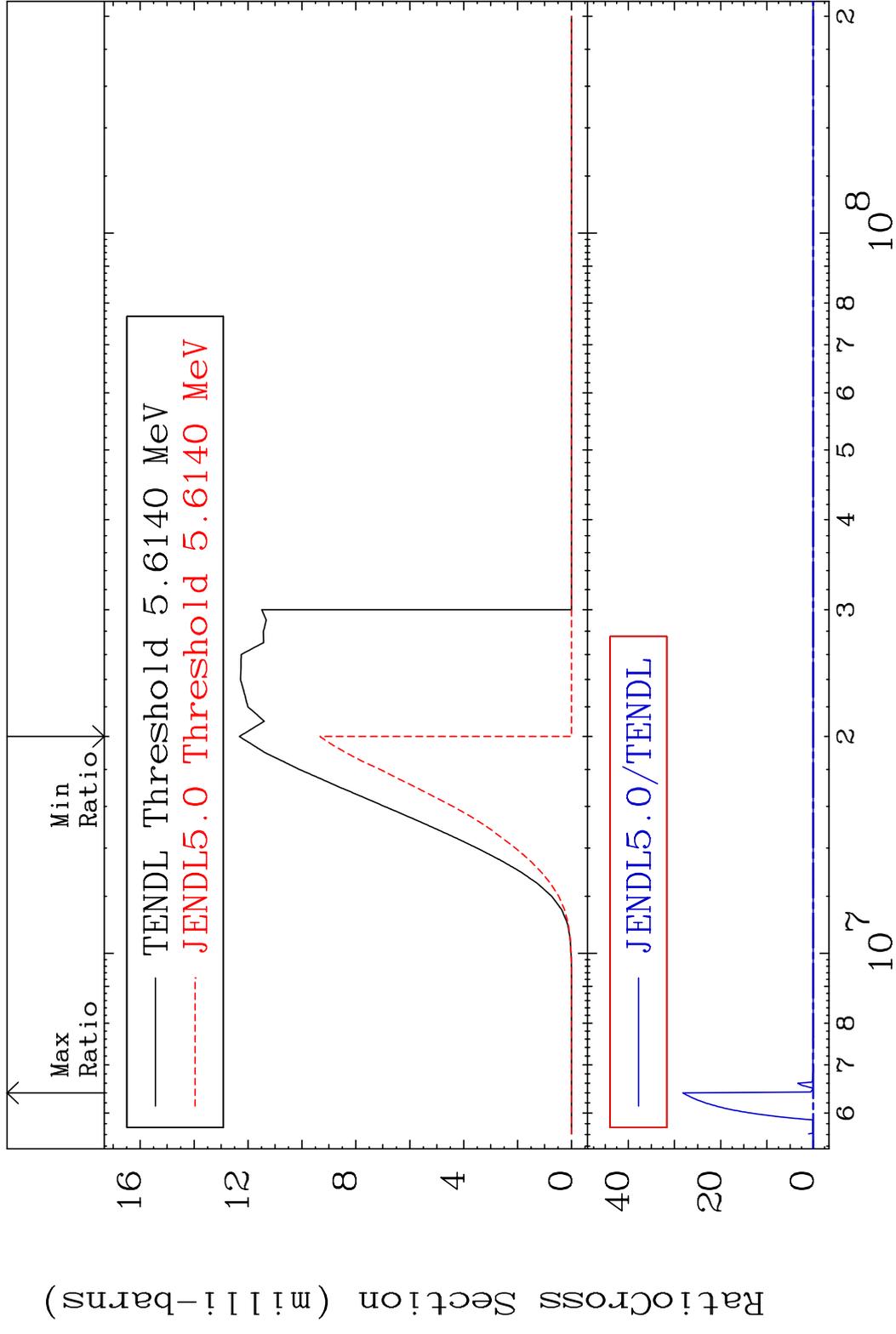


MAT 4228 (n,2n) p:41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section Ratio 6.297 %

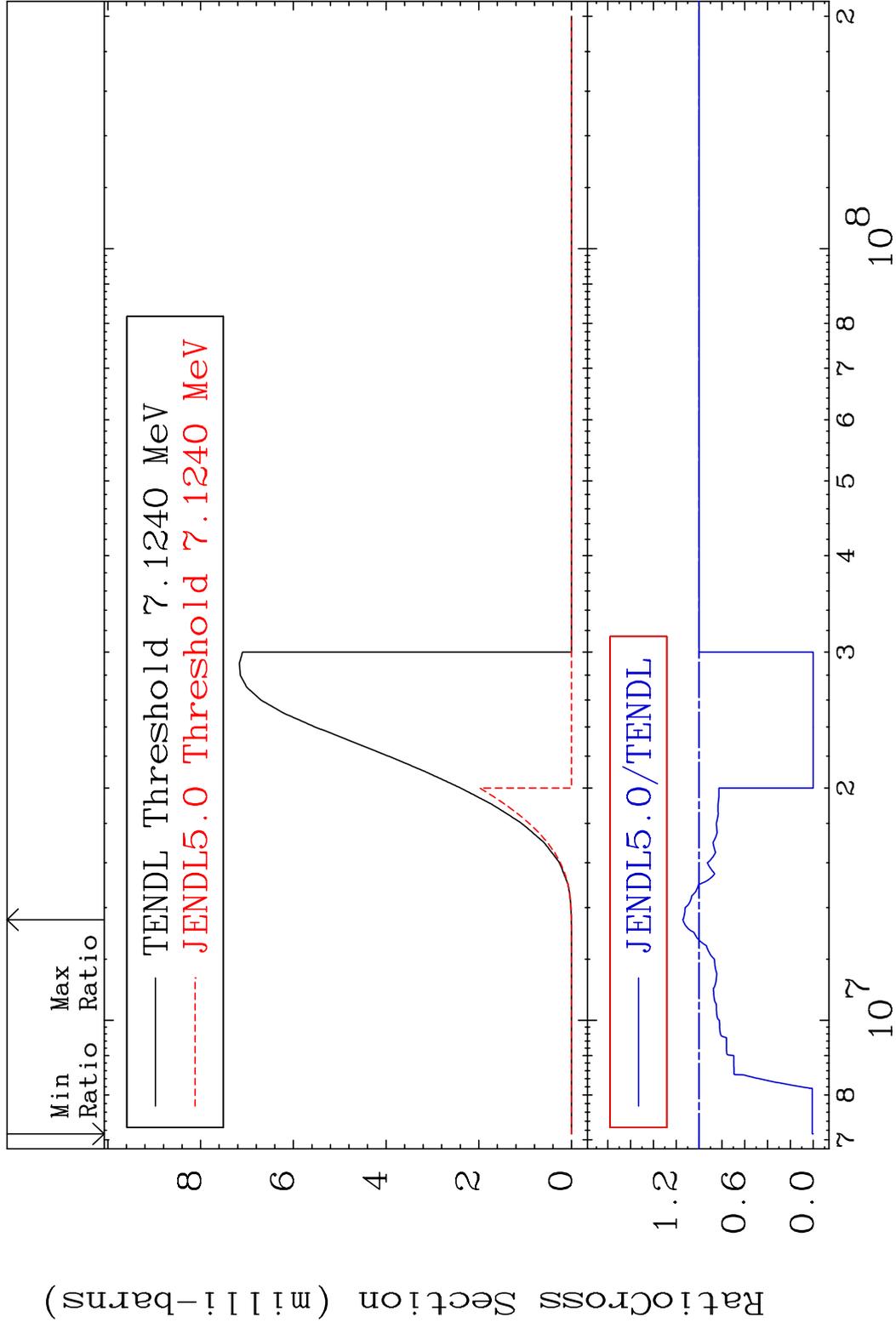




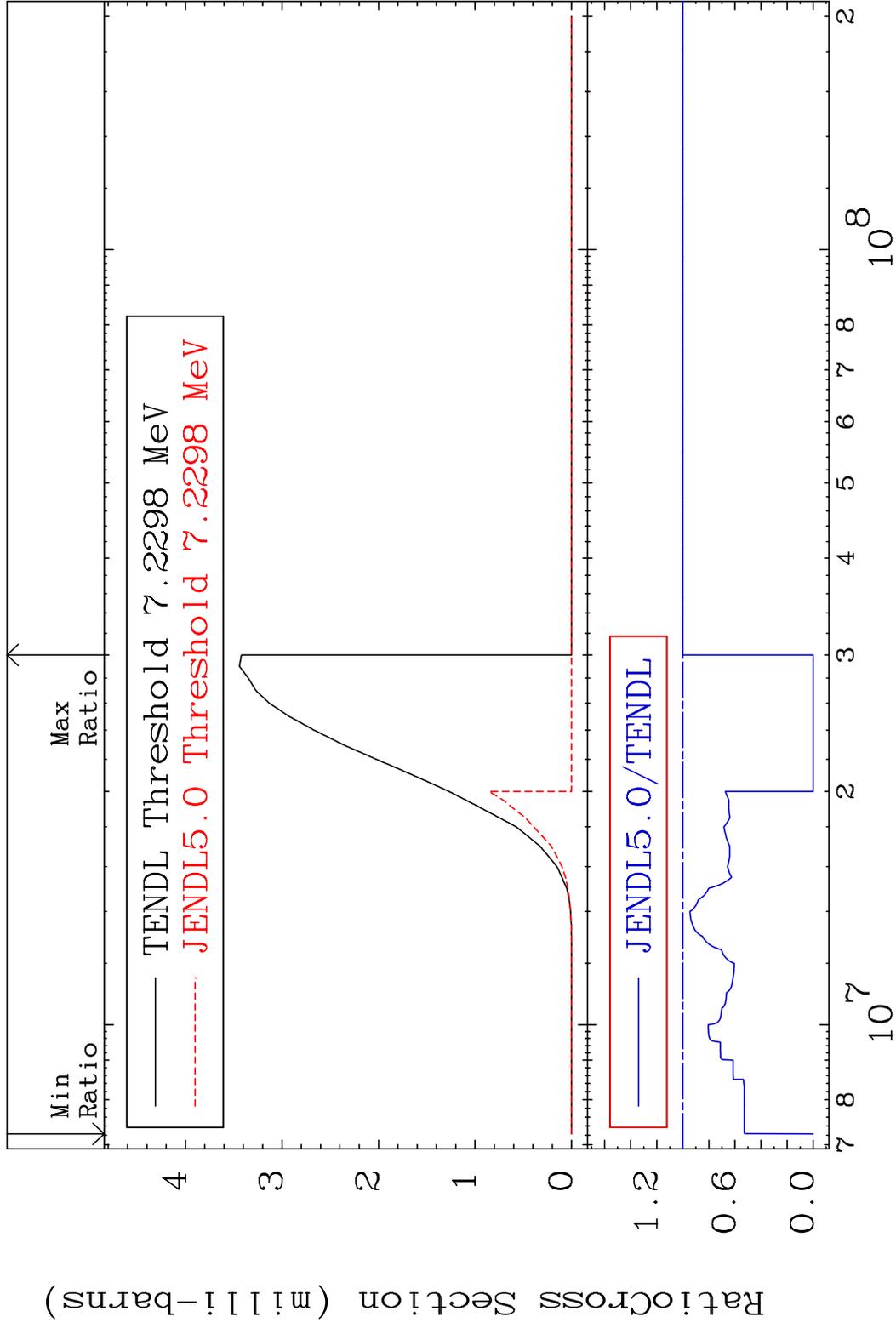
MAT 4228 (n,d):41-Nb-92m1 42-Mo-93  
 Radionuclide Production Cross Section 10000 to 9999. %



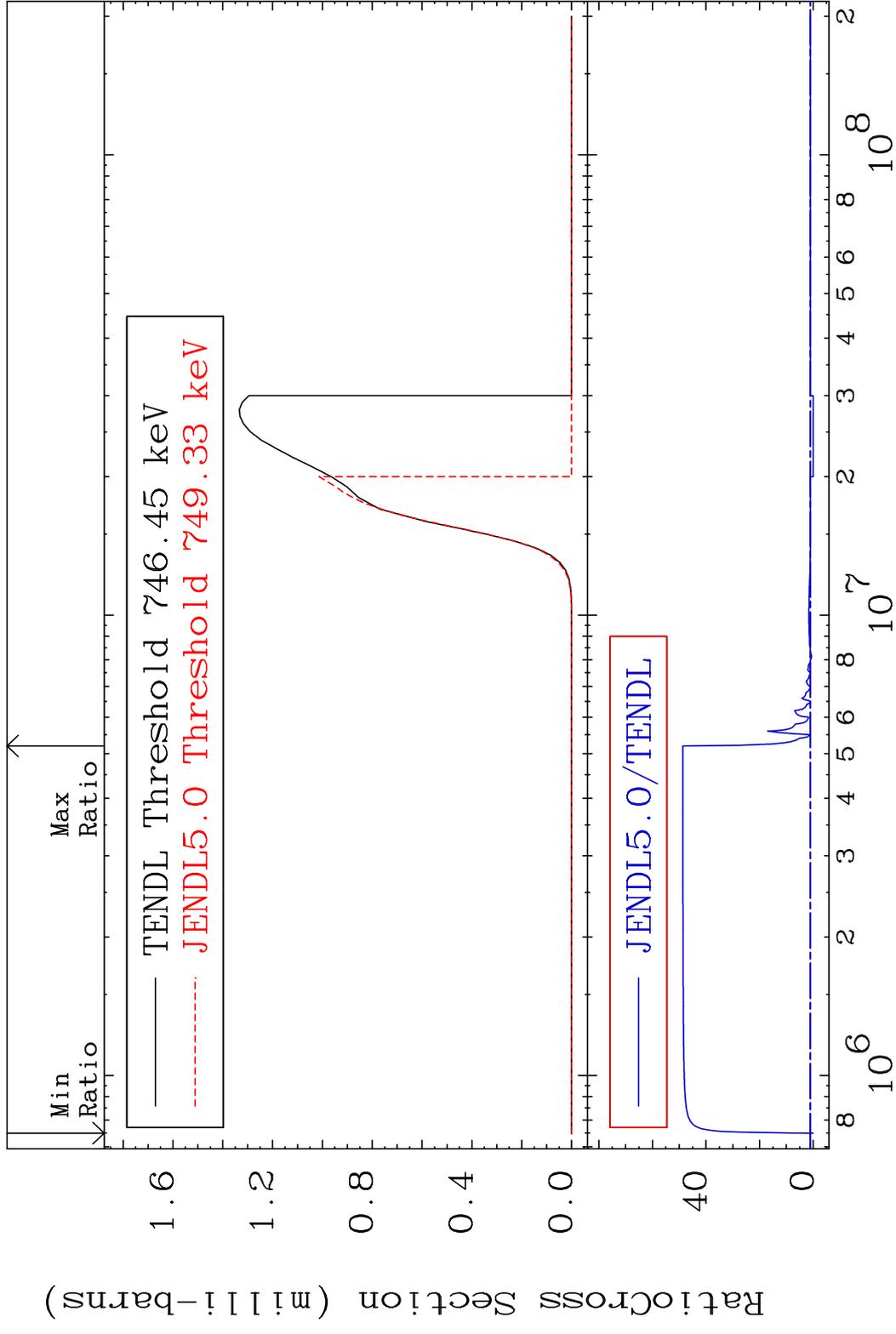
MAT 4228 (n, t): 41-Nb-91g 42-Mo-93  
 Radionuclide Production Cross Section 180.0 mb 14.24 %

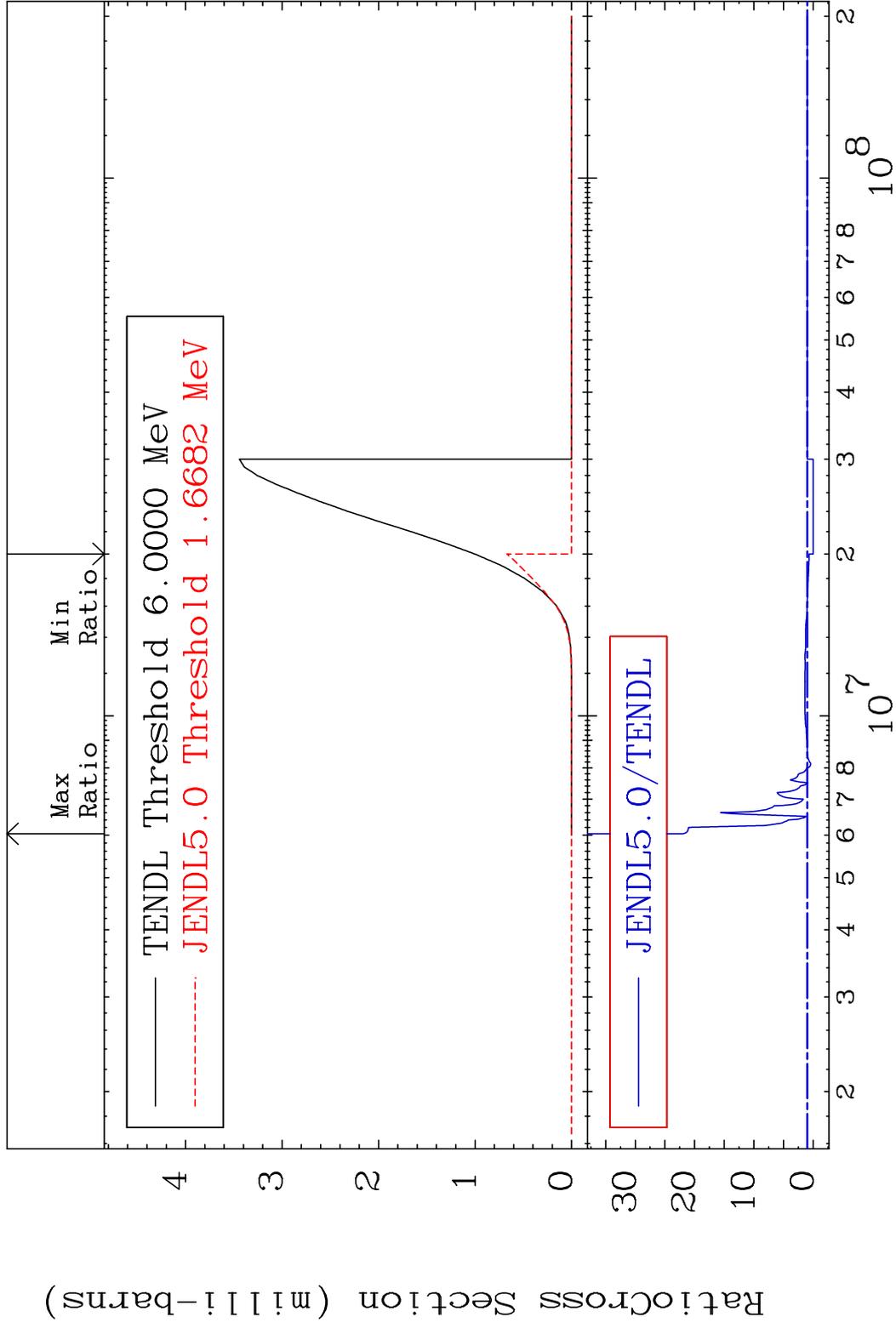


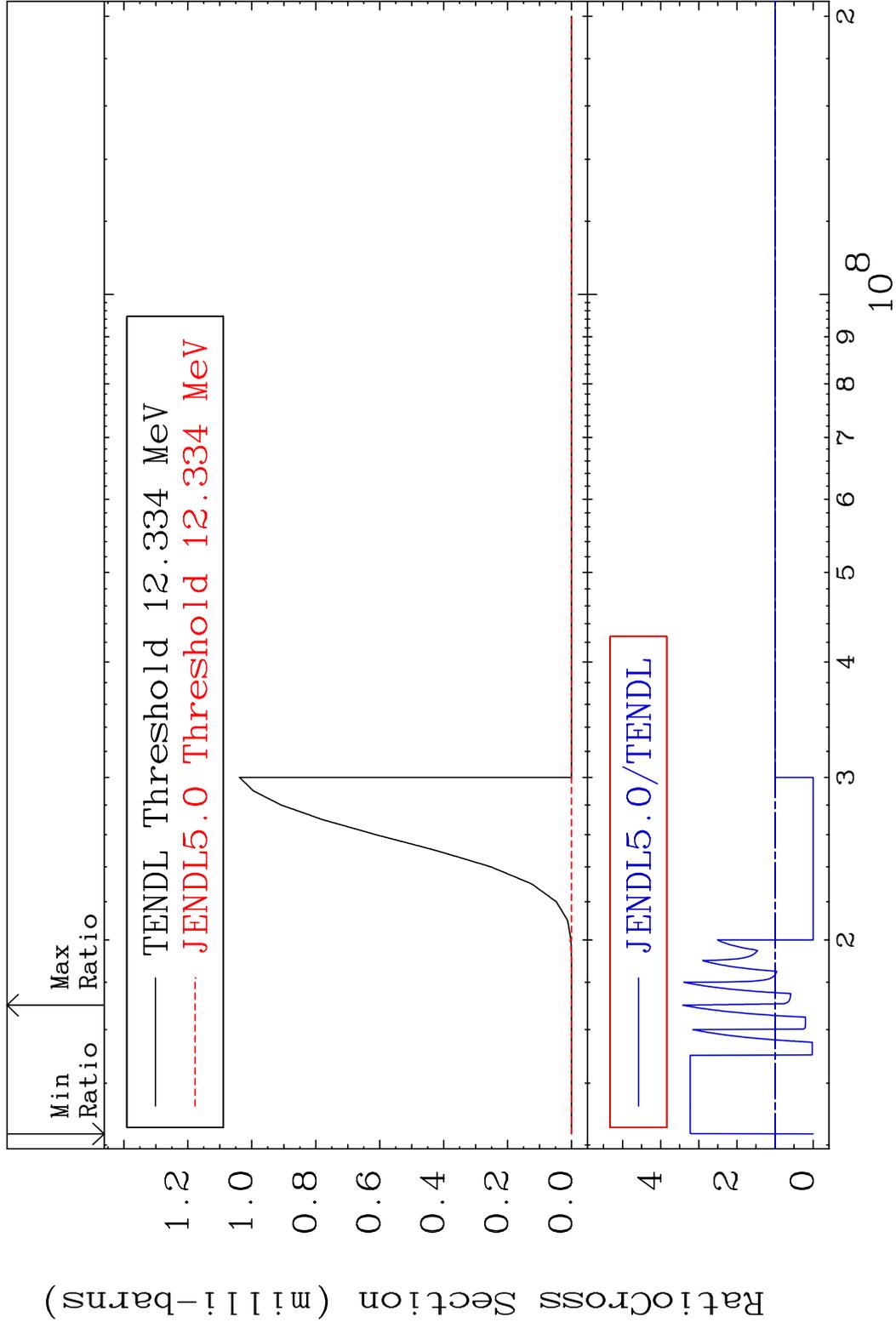
MAT 4228 (n,t):41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section 0.000 %

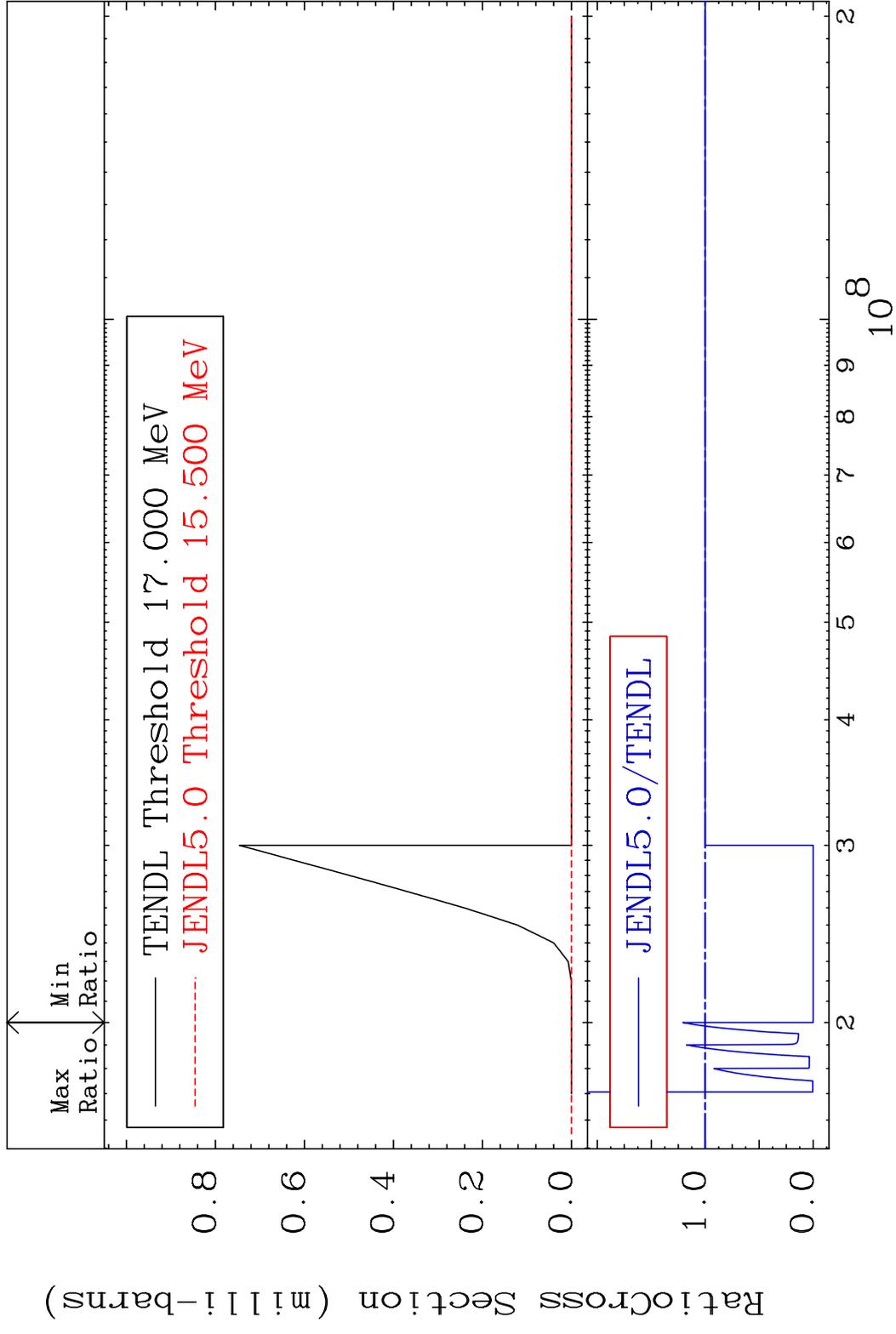


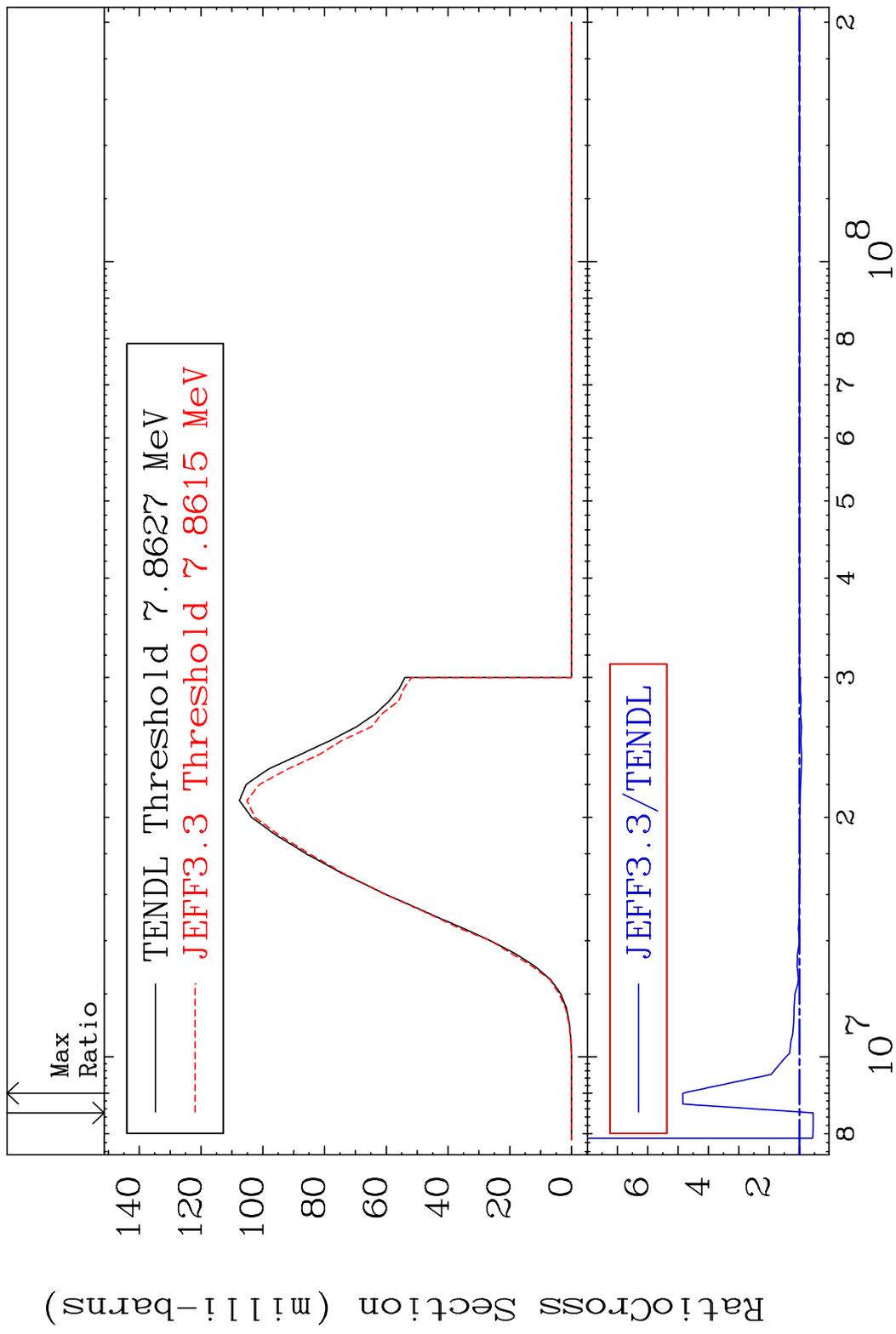
67 Incident Energy (eV) 42-Mo-93

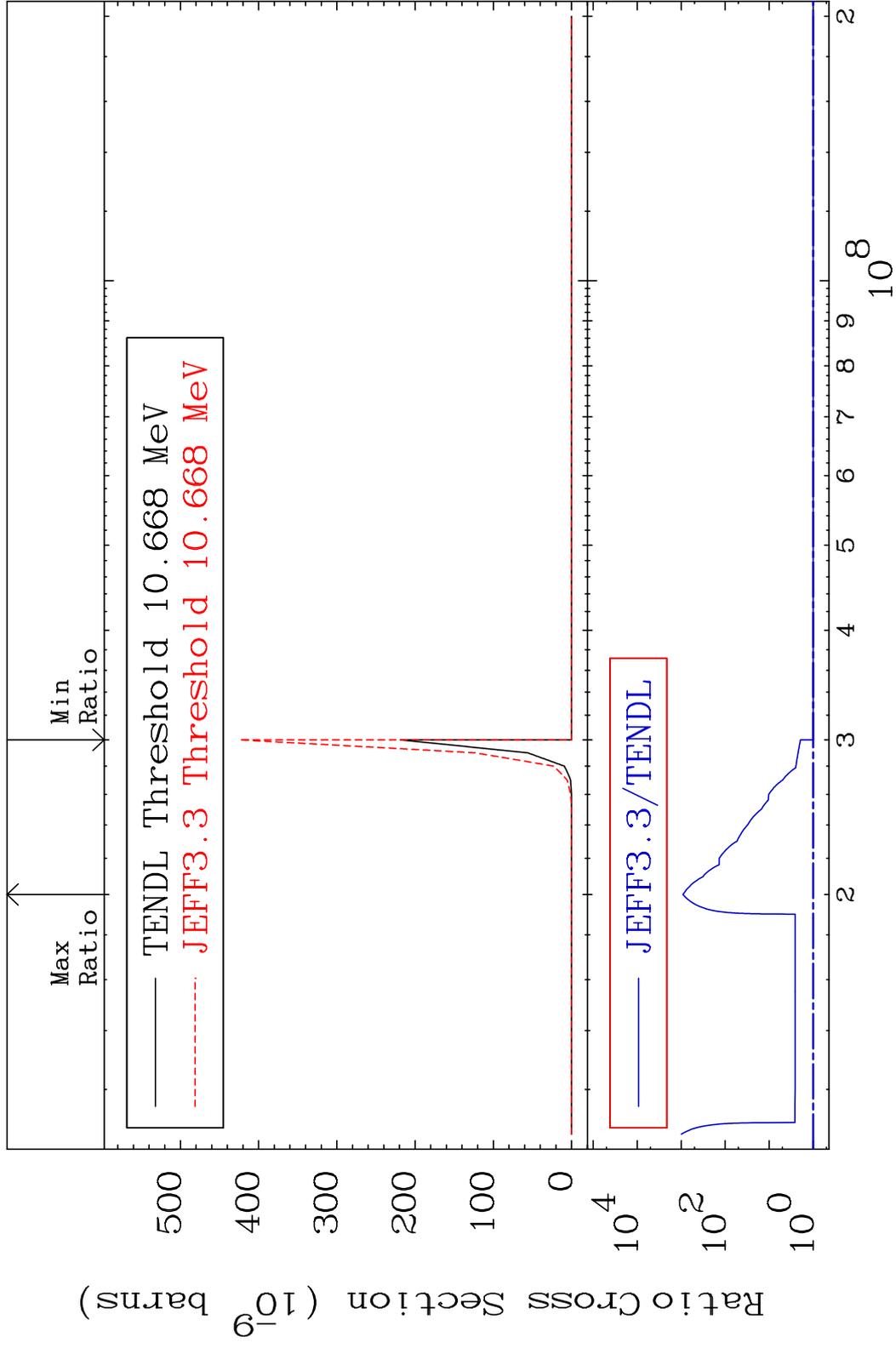


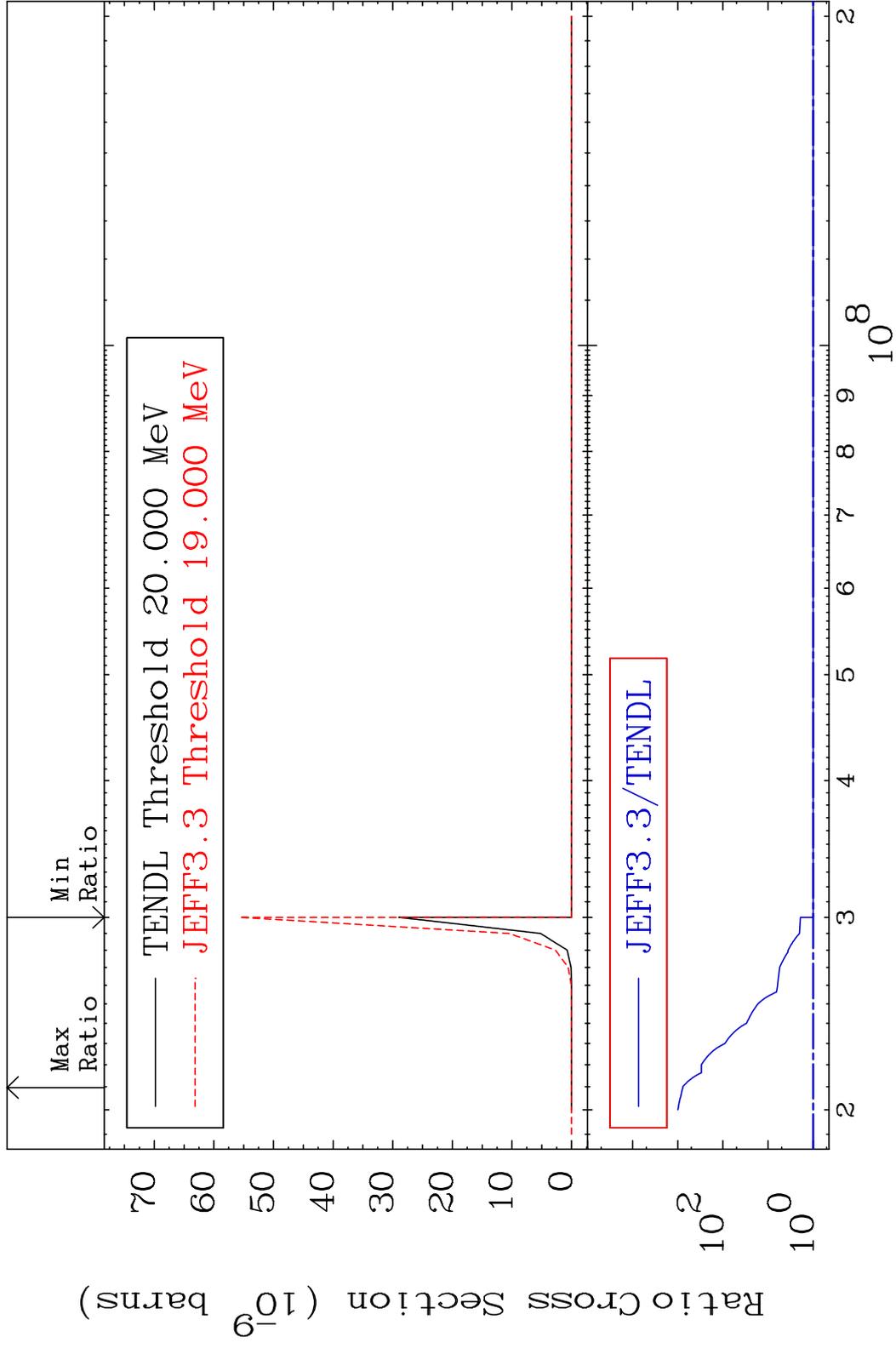


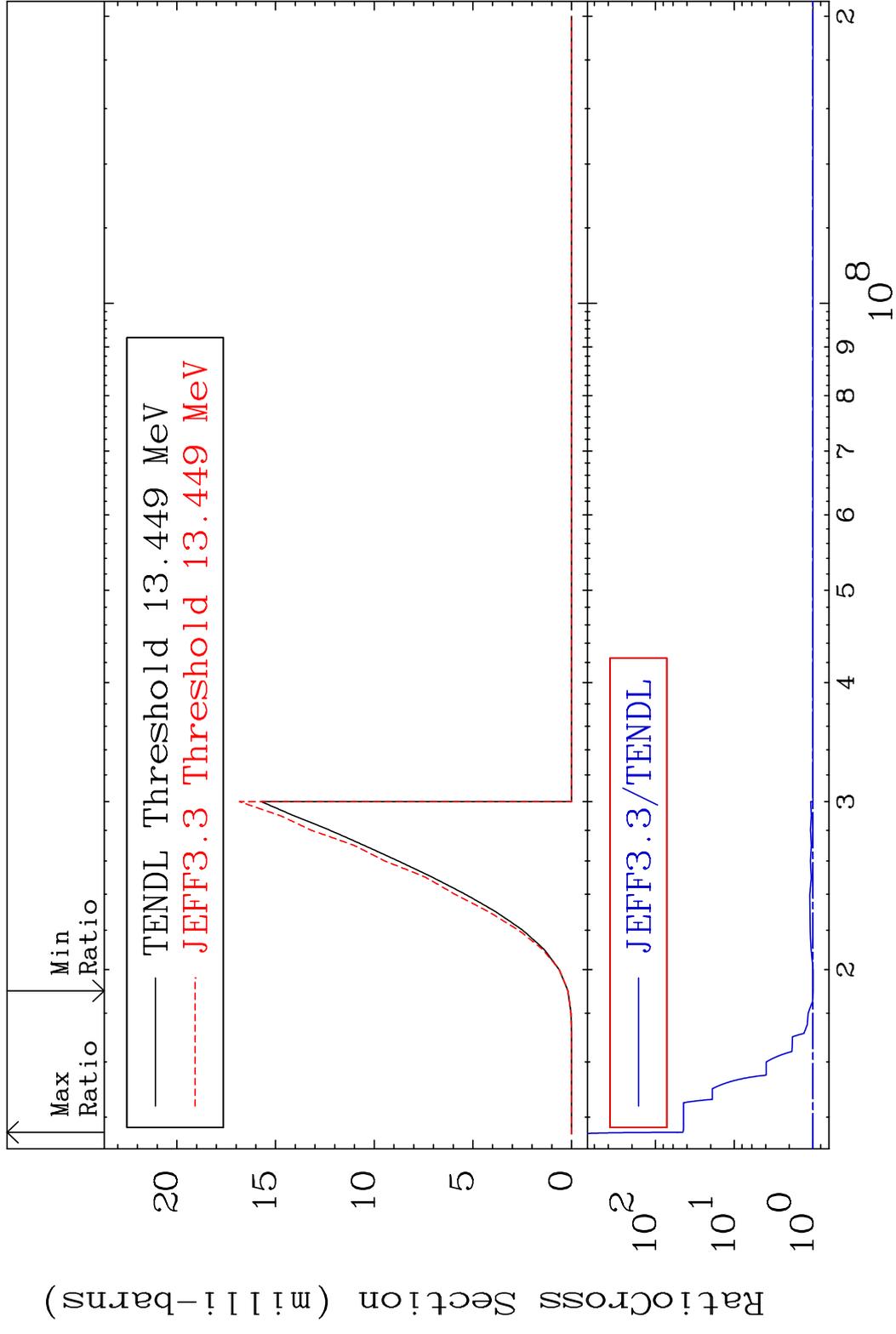


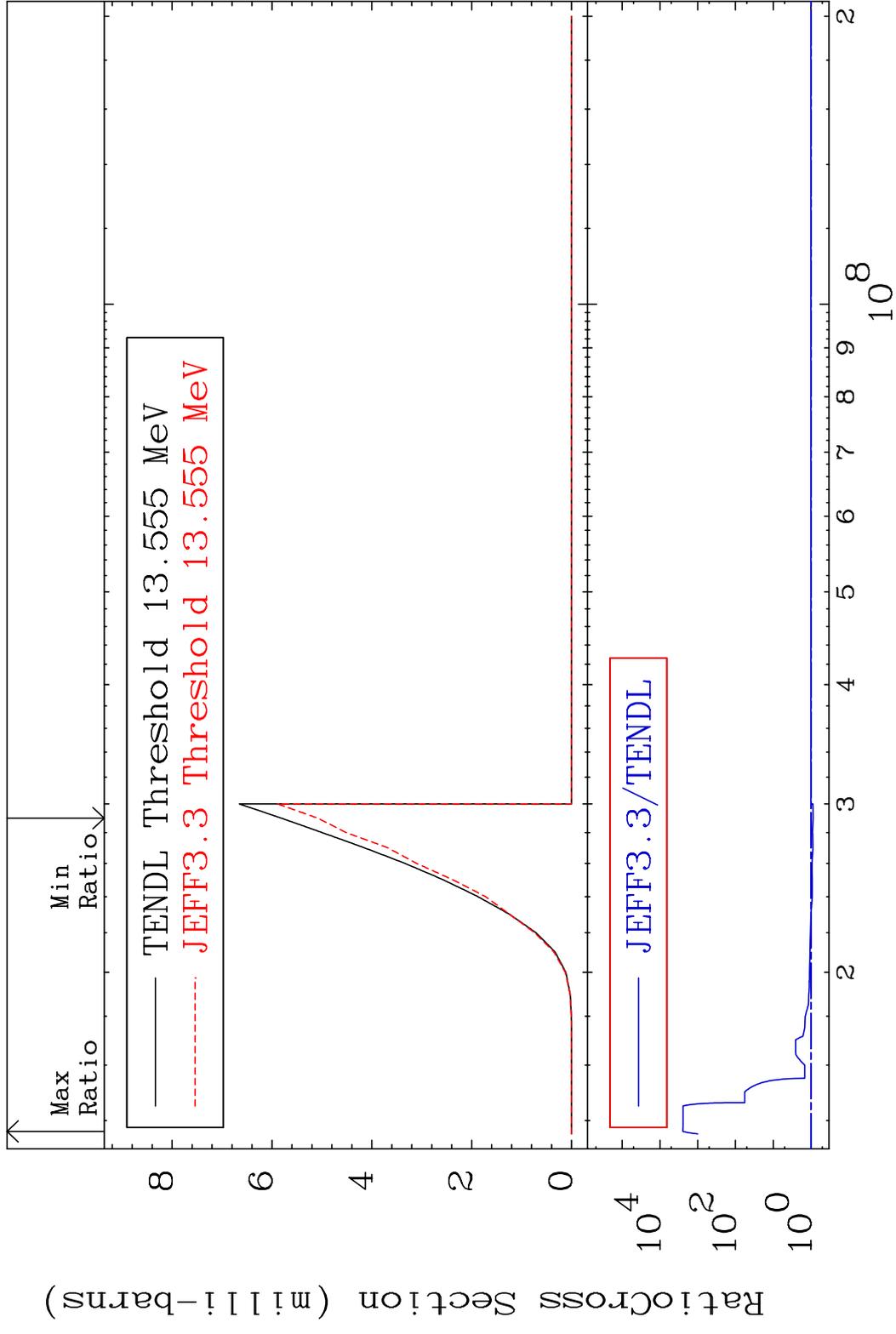


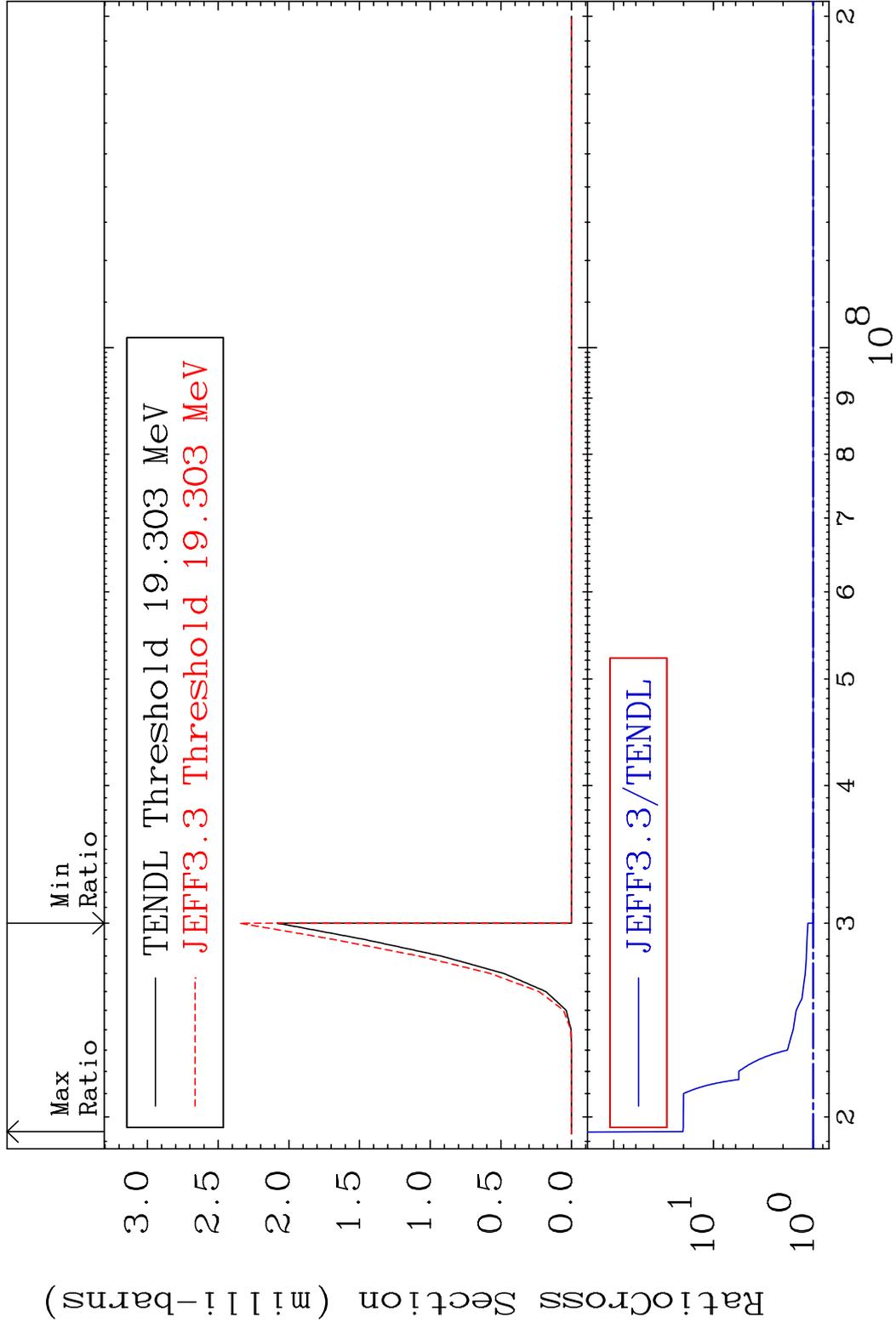




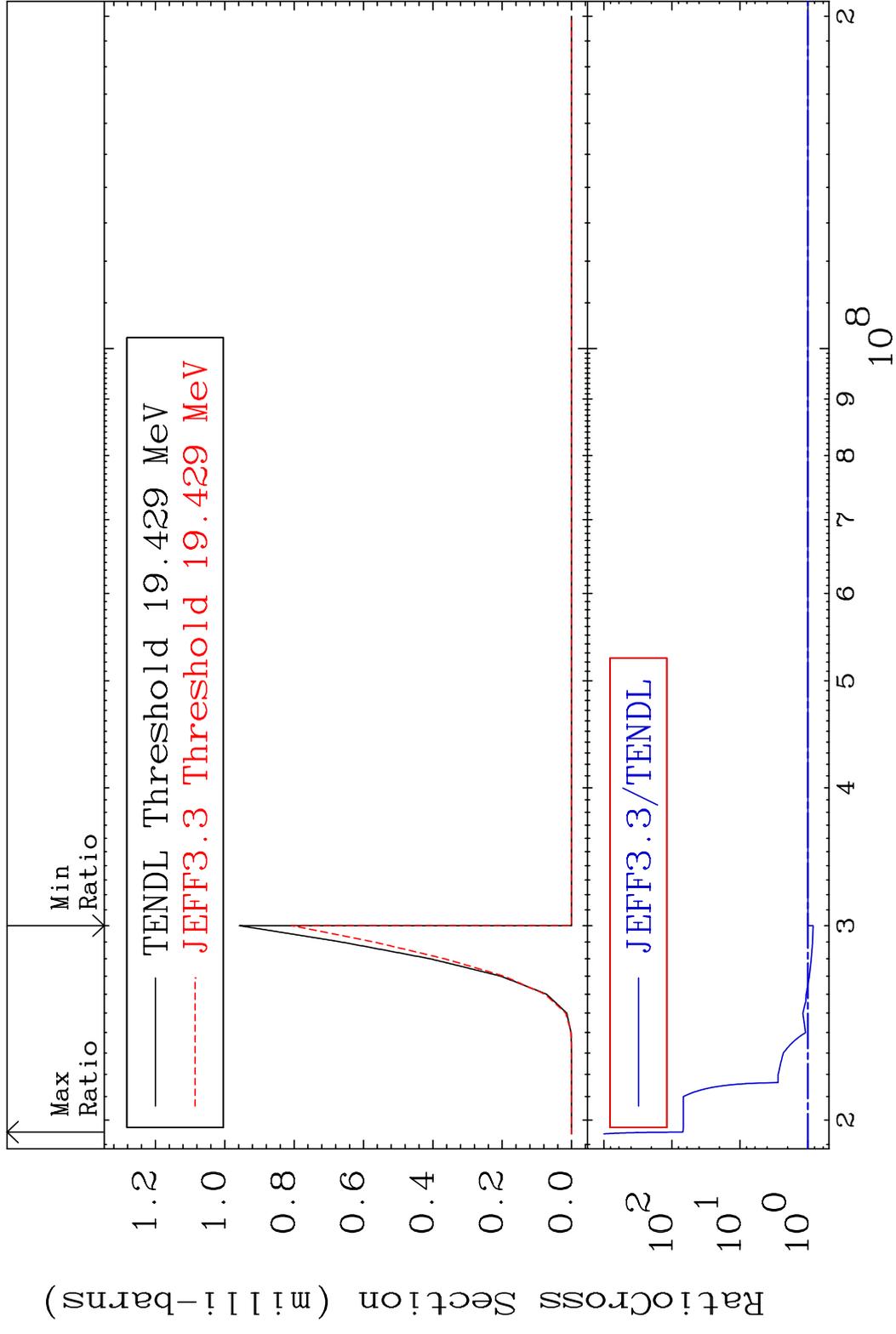


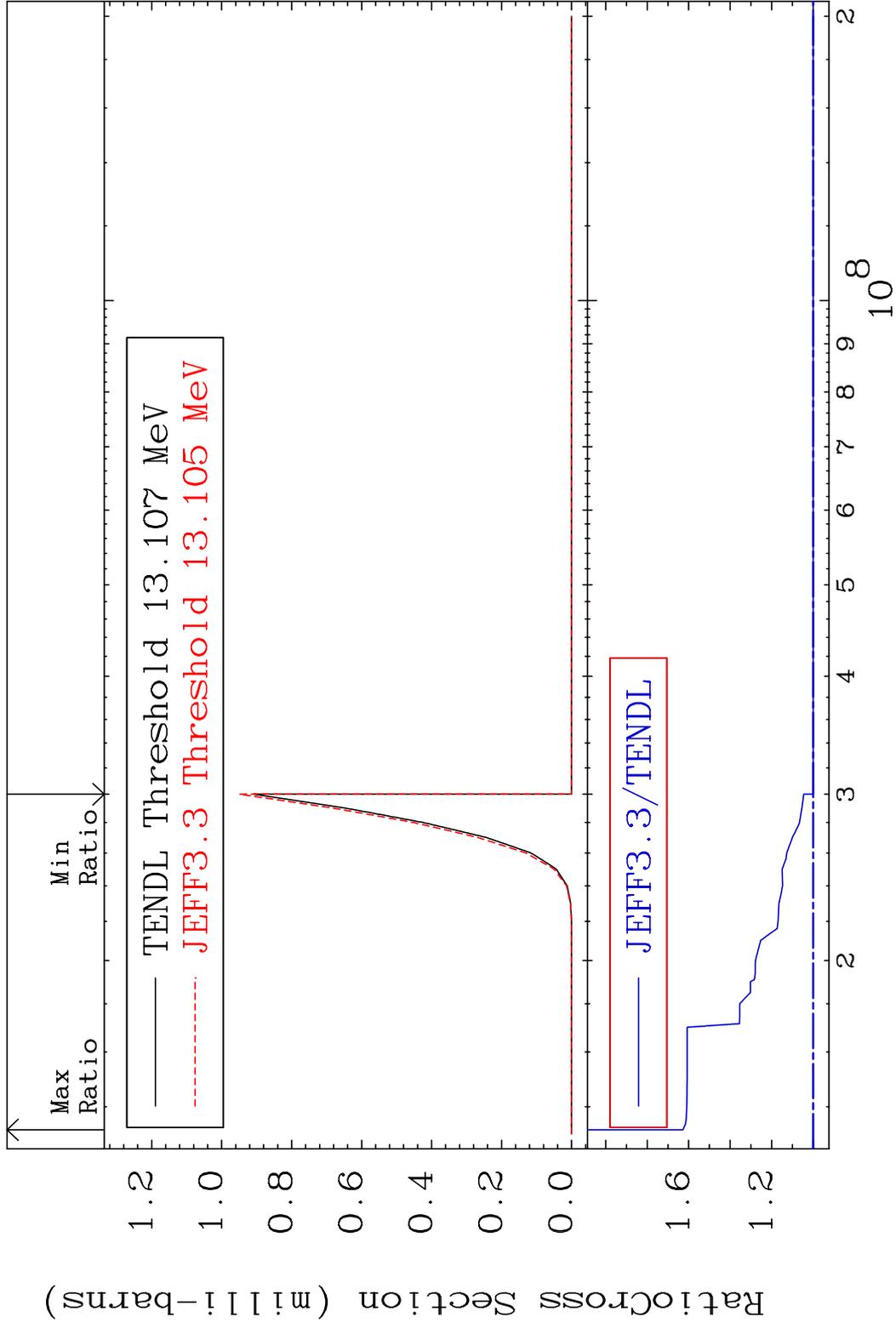


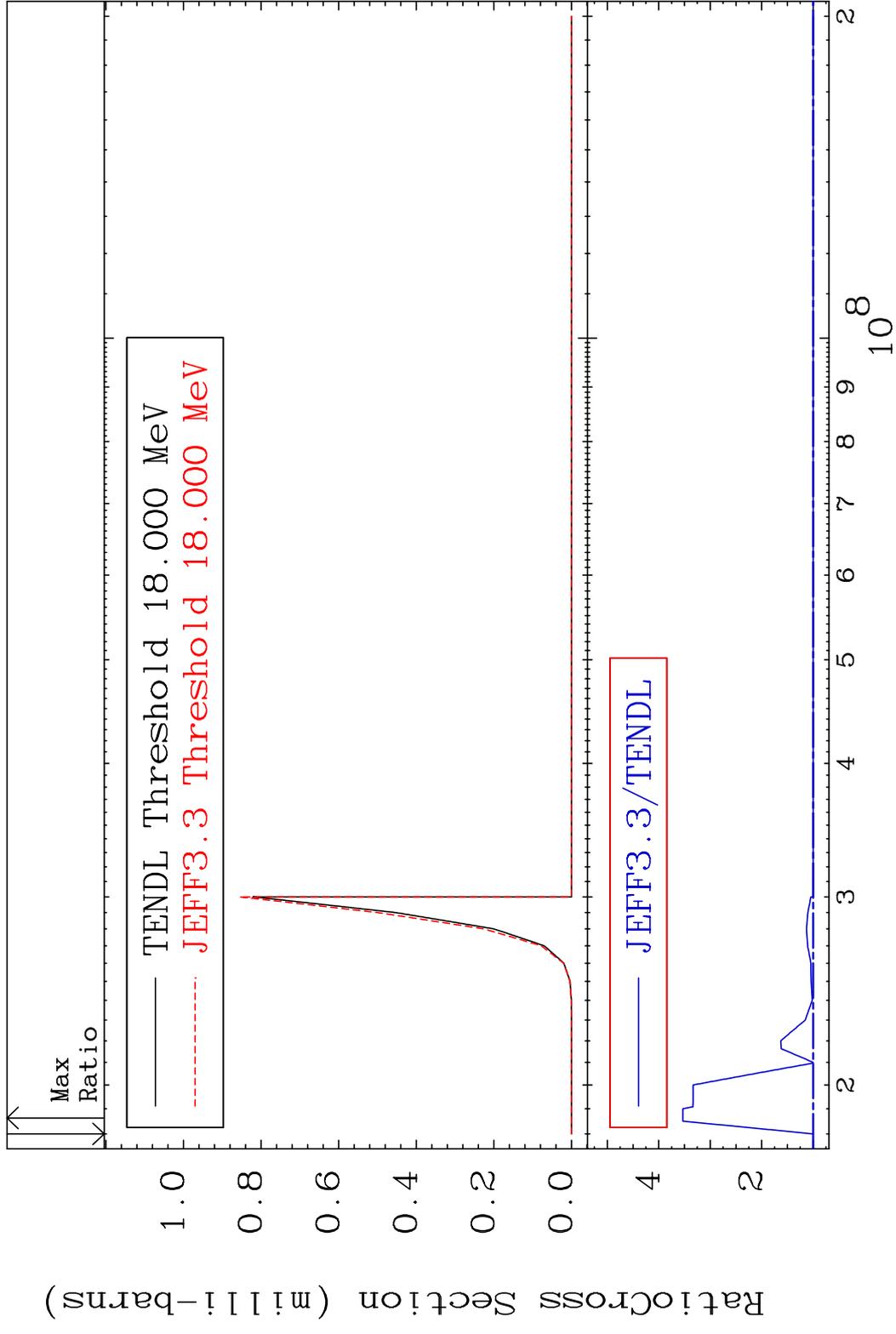


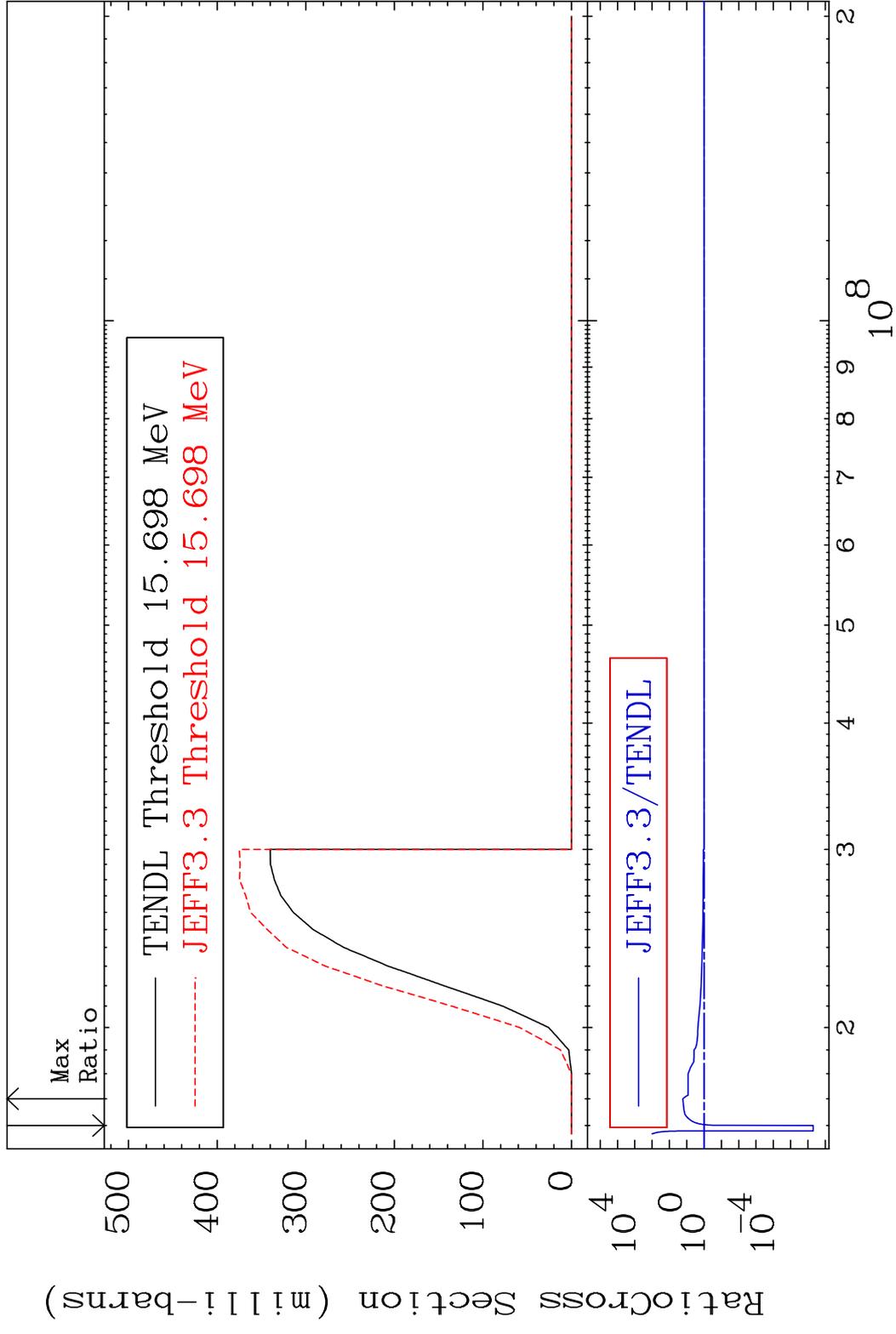


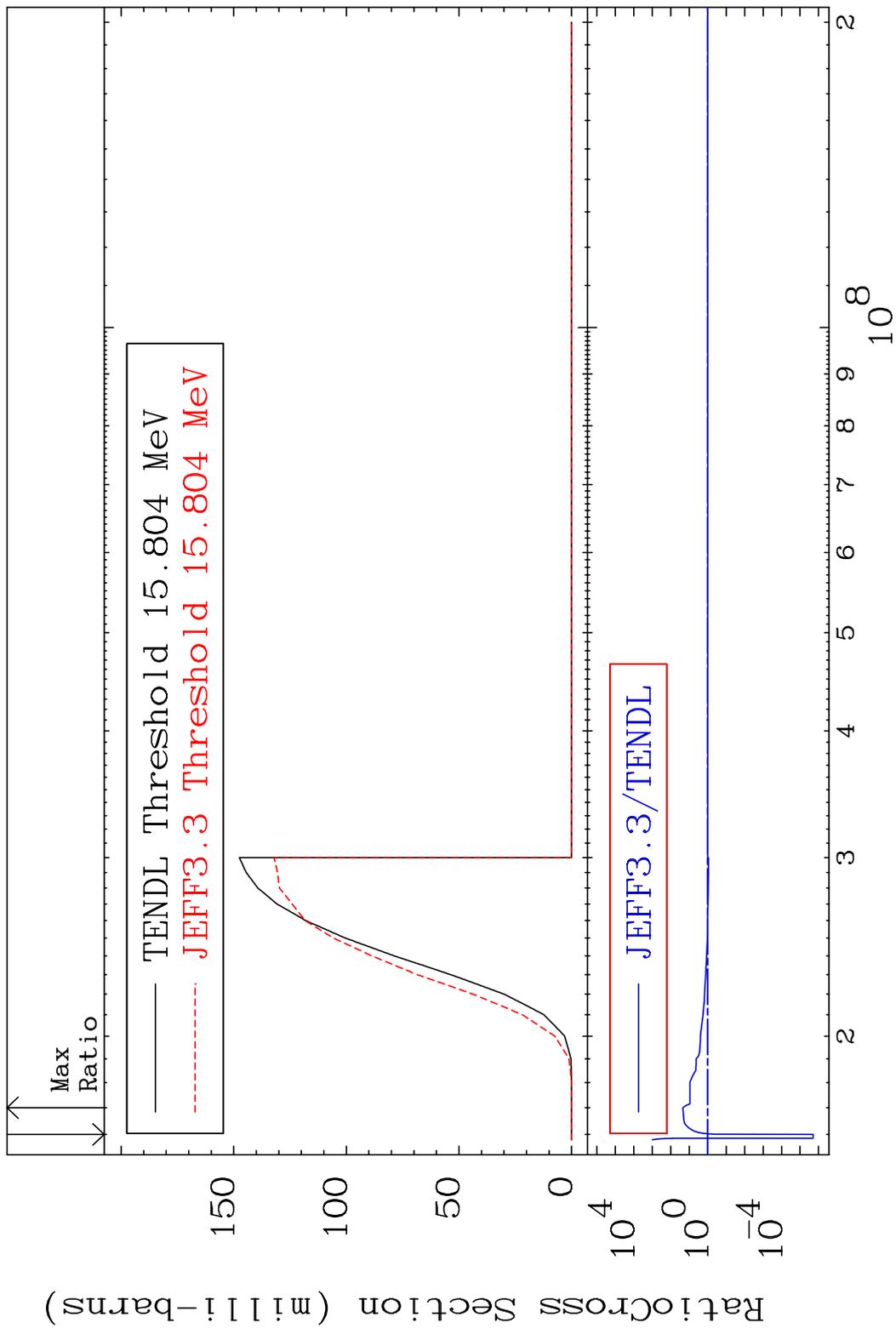
MAT 4228 (n, n') t:41-Nb-90m2 42-Mo-93  
 Radionuclide Production Cross Section 6814. %

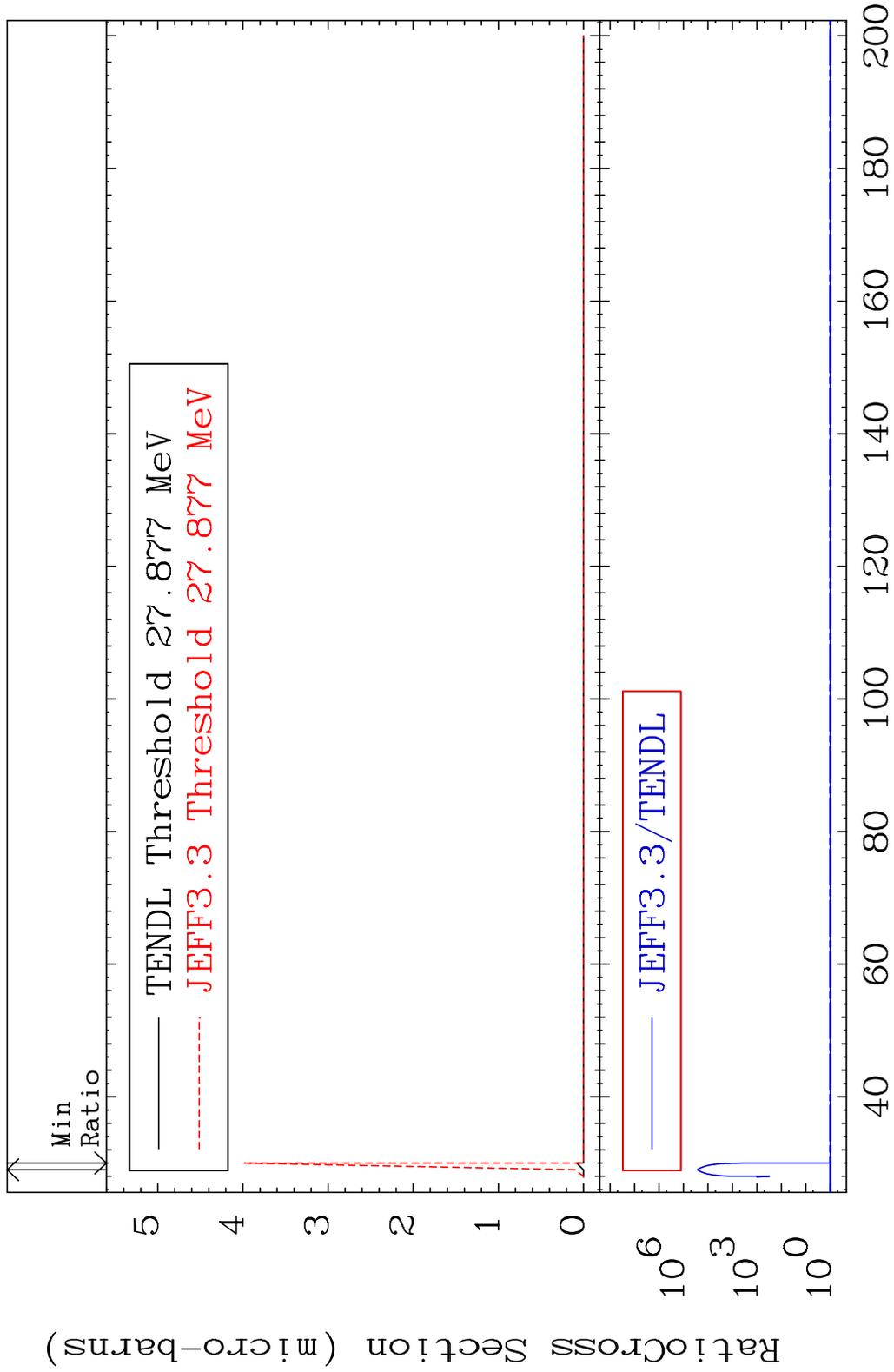


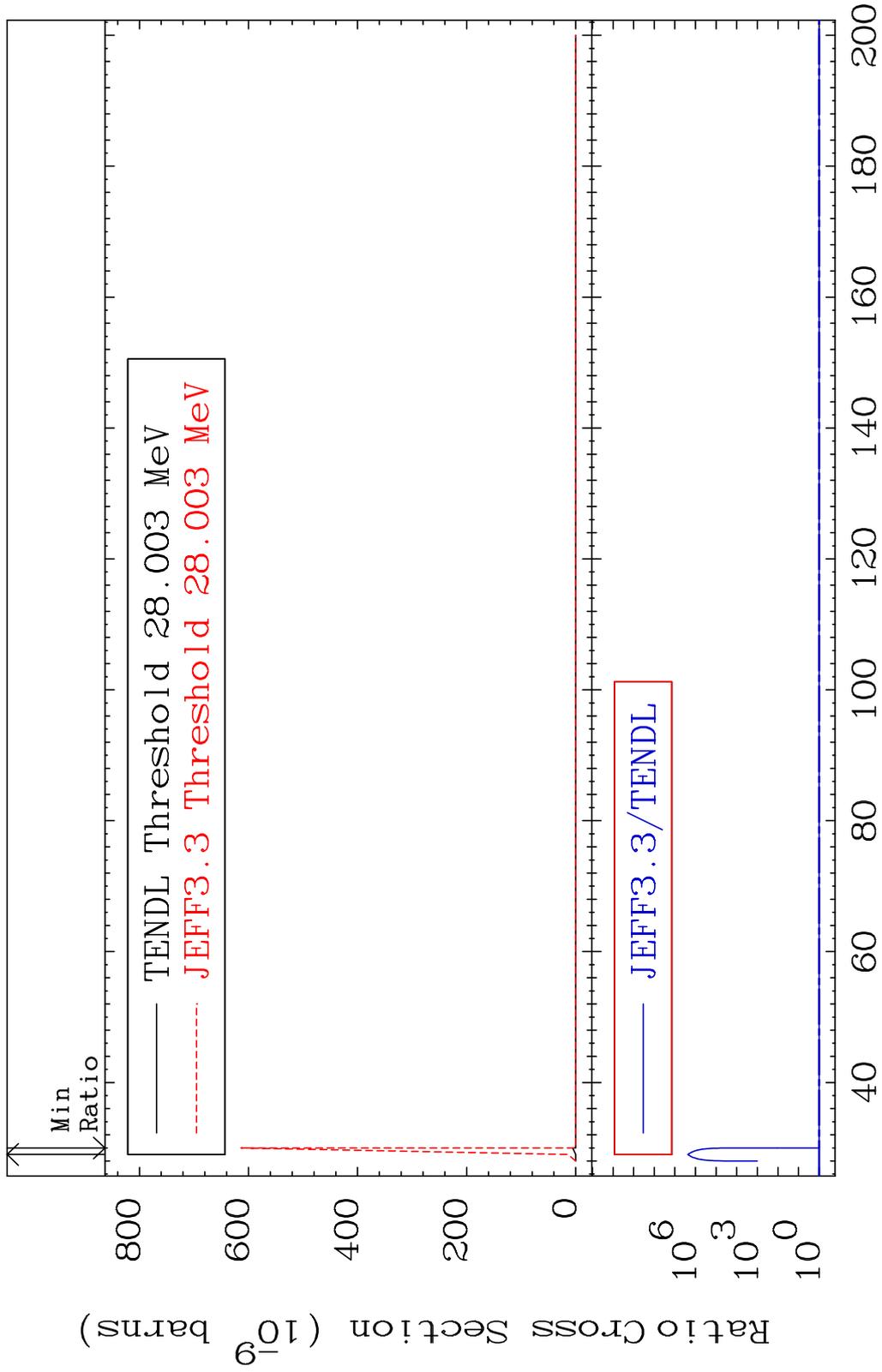


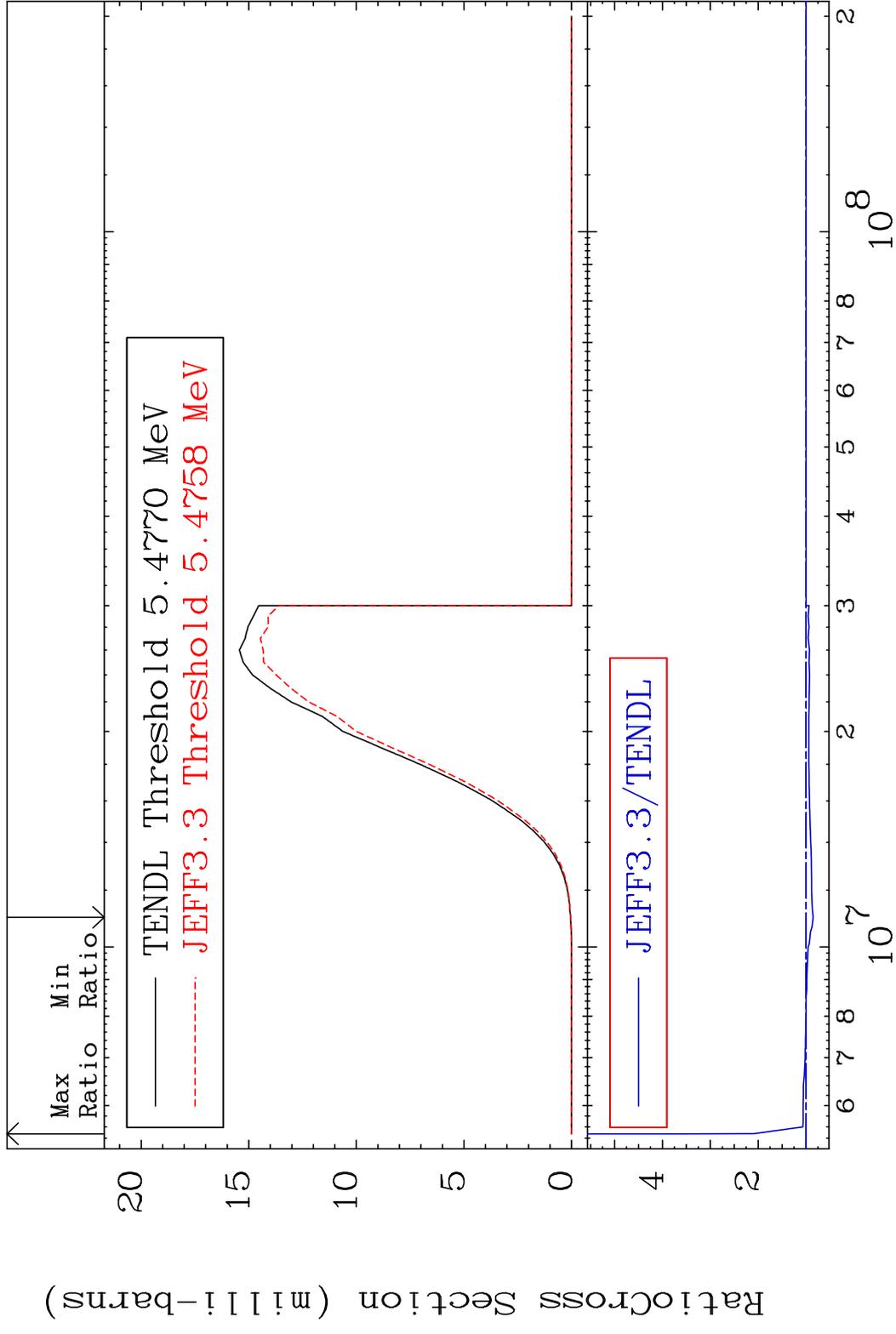


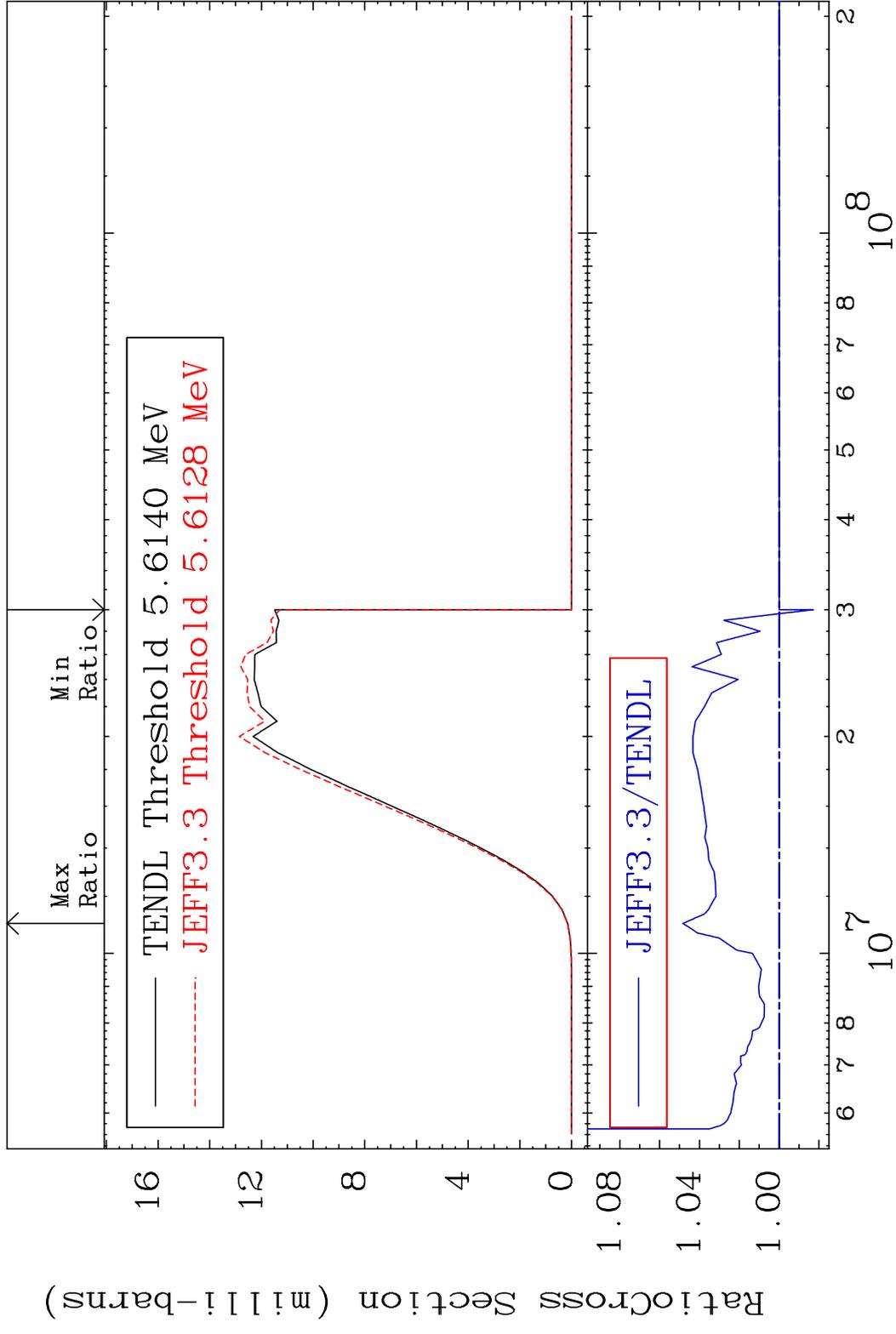




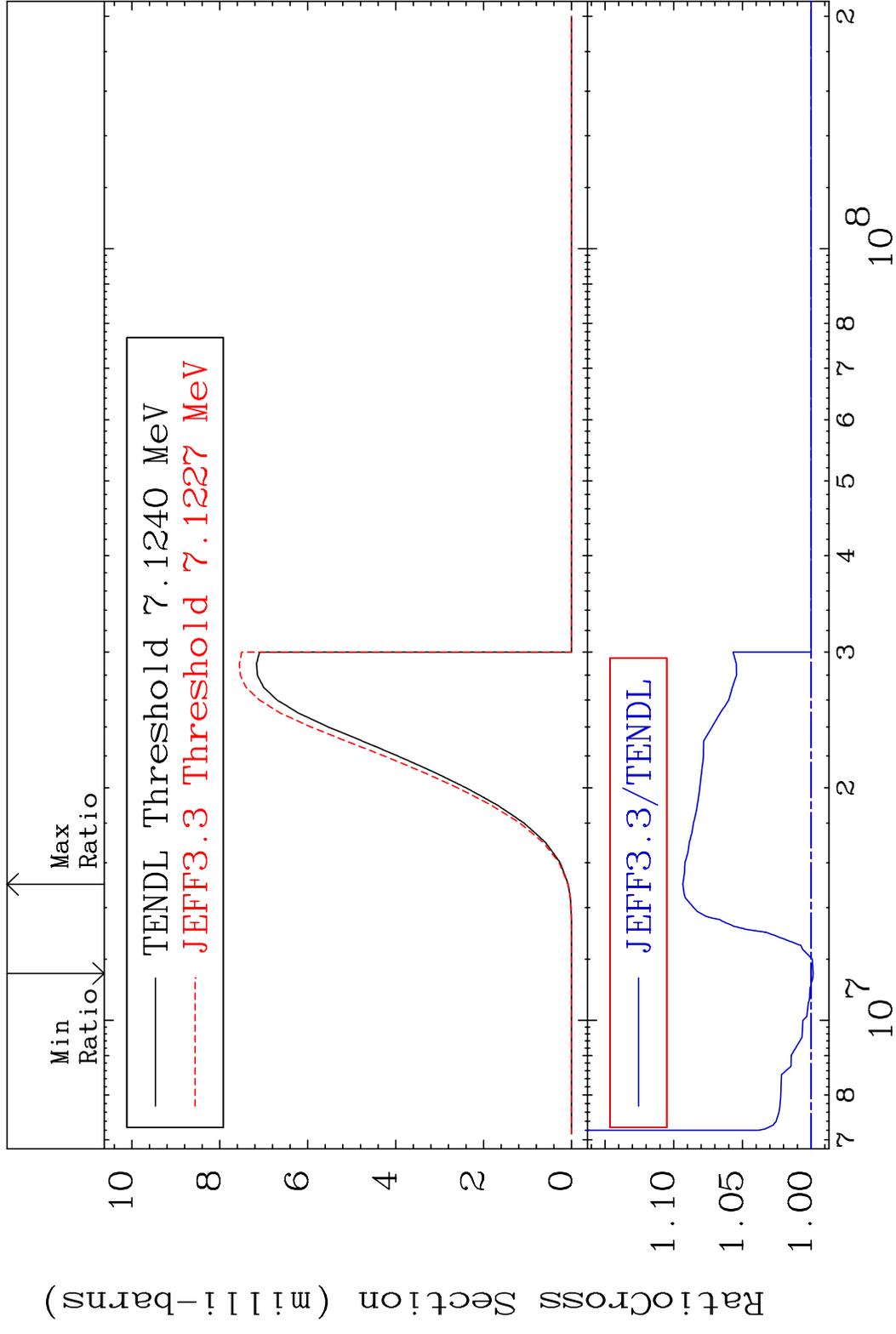




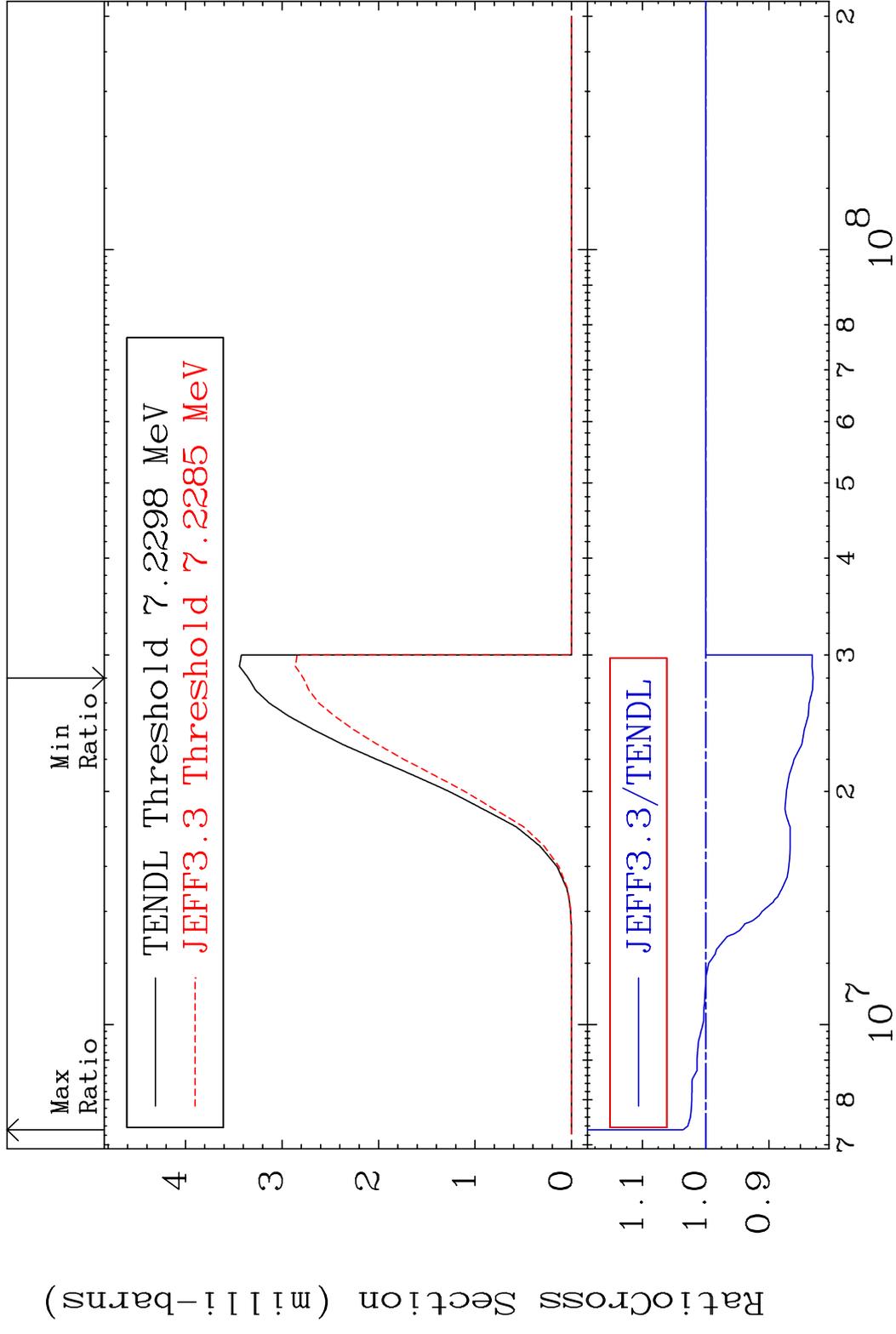


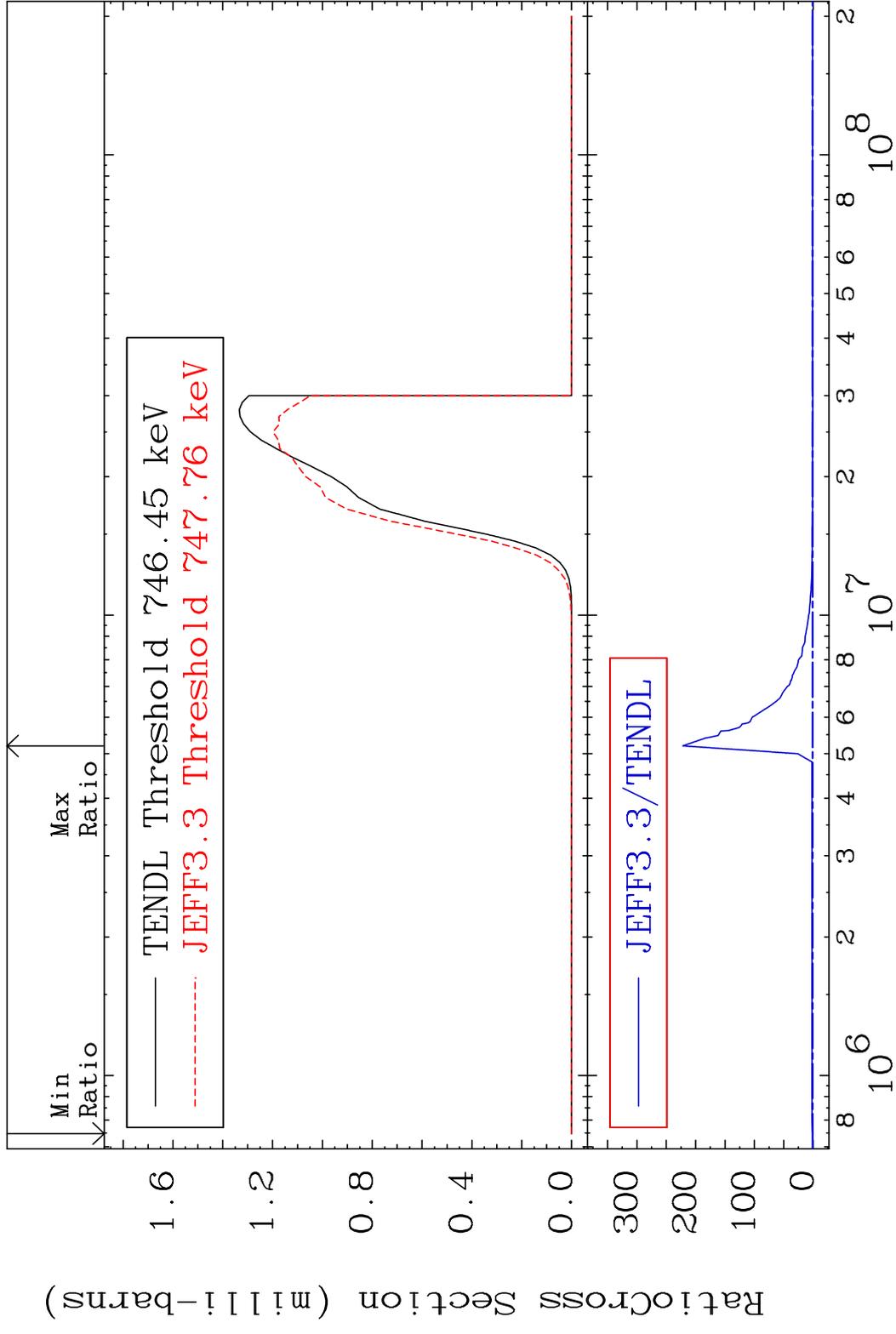


MAT 4228 (n, t): 41-Nb-91g 42-Mo-93  
 Radionuclide Production Cross Section 9.334 %



MAT 4228 (n, t): 41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section 3.613 %





MAT 4228 (n,p)  $\alpha$ :39-Y -89m1 42-Mo-93  
 Radionuclide Production Cross Section 9663 d10 9999. %

