

Program Complot  
(Version 2021-1)

by

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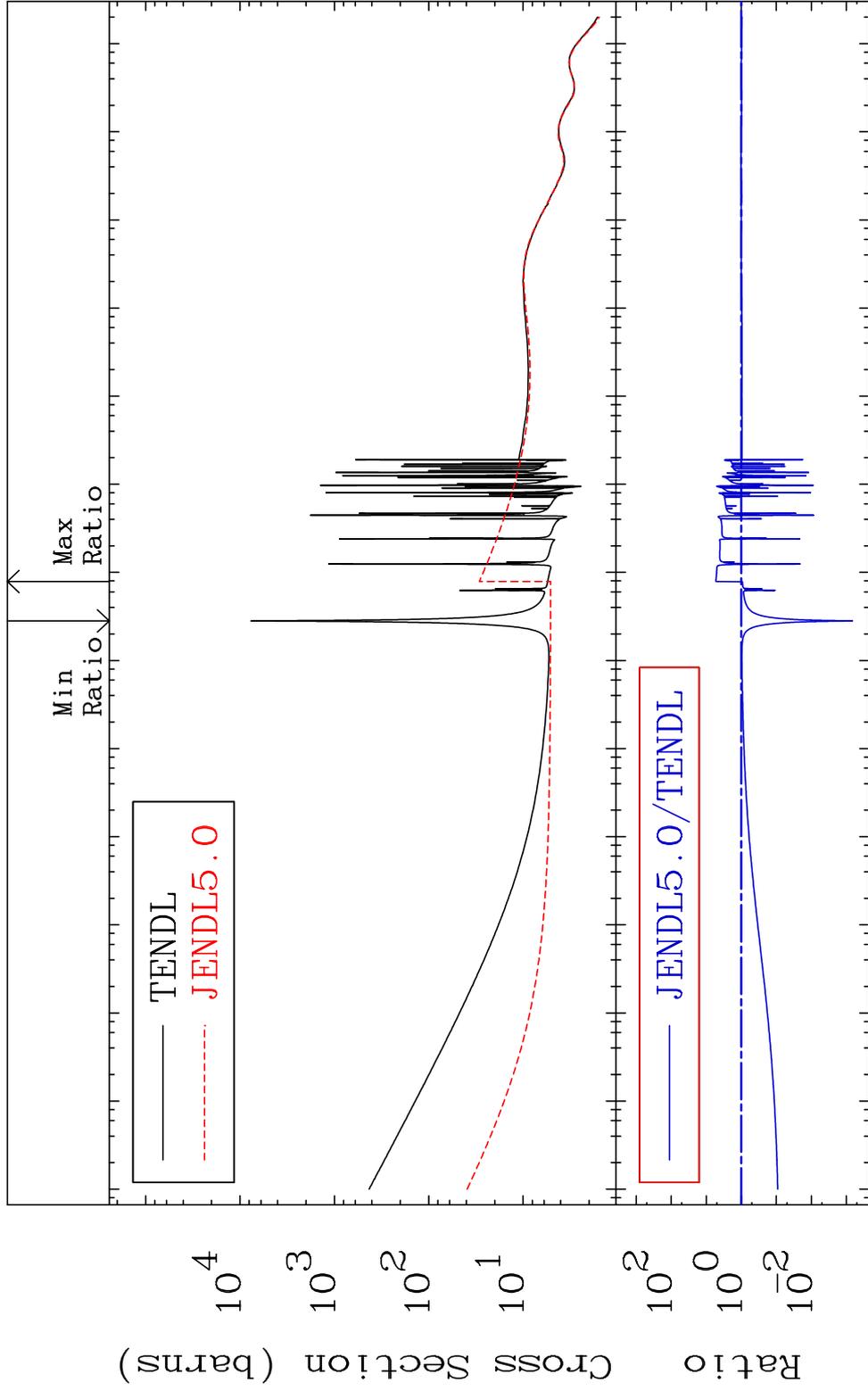
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4228

Total Cross Section -99.93 To 431.0 %

42-Mo-93



Ratio  
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>

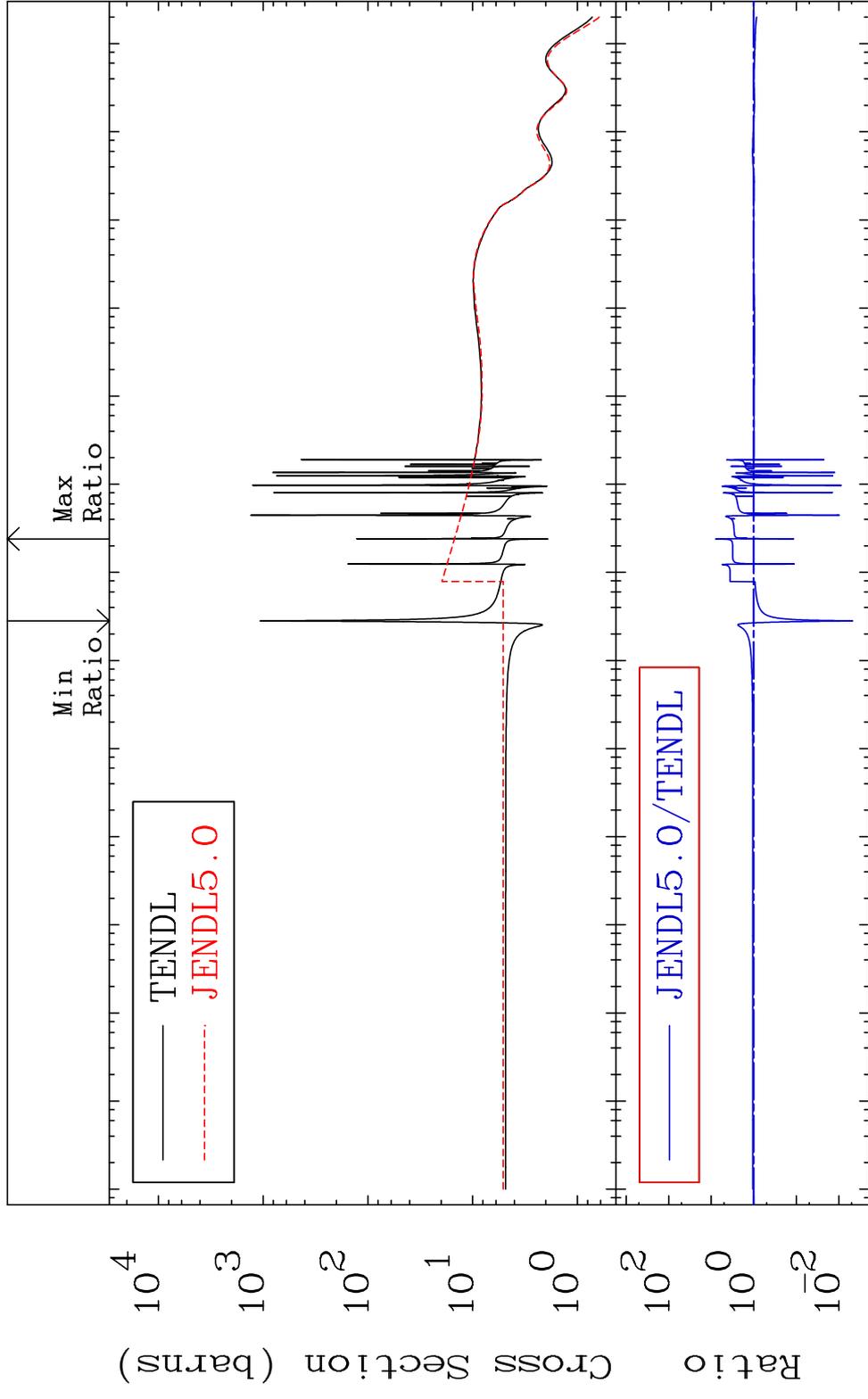
1 Incident Energy (eV) 42-Mo-93

MAT 4228

Elastic

42-Mo-93

Cross Section -99.52 To 678.0 %

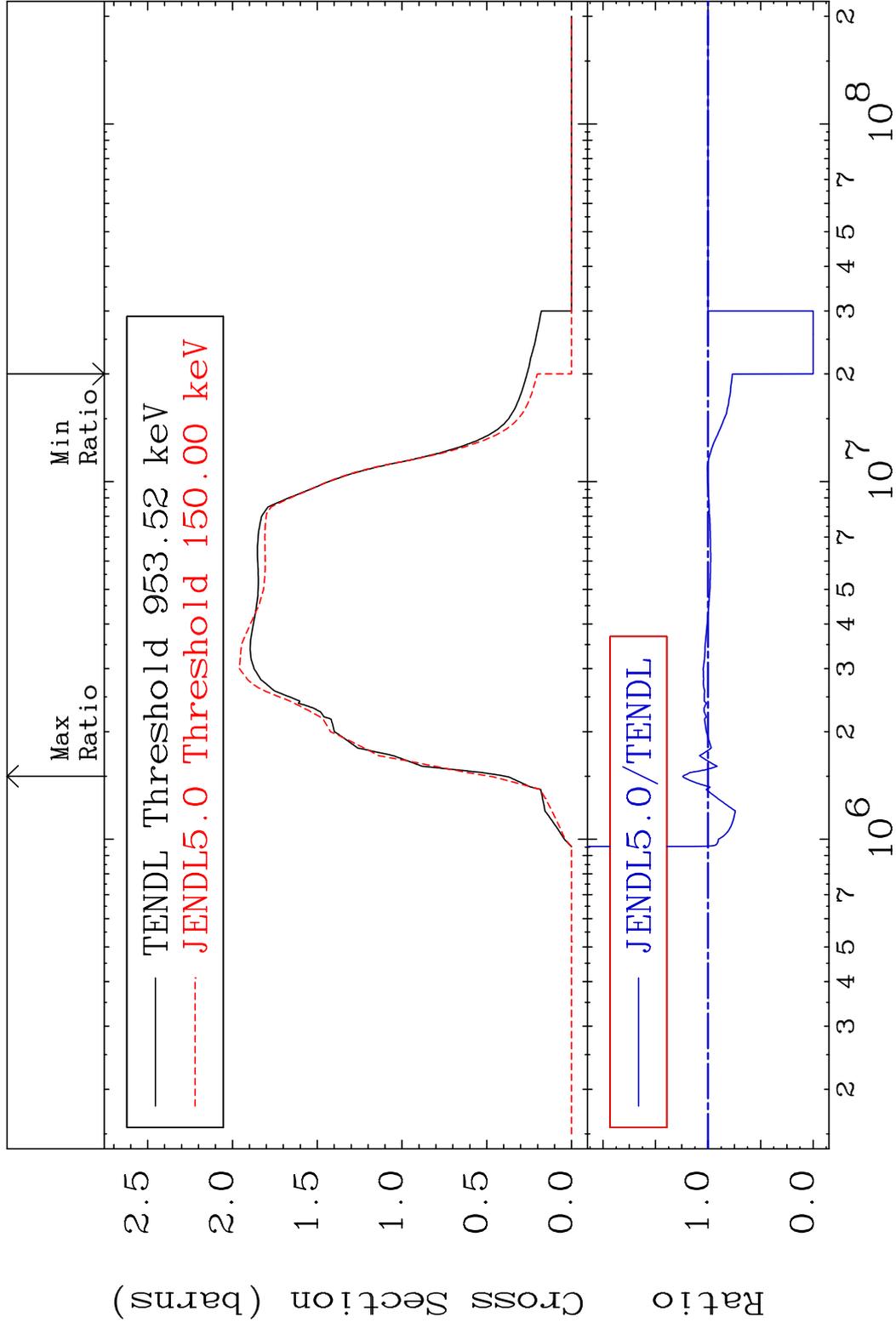


2

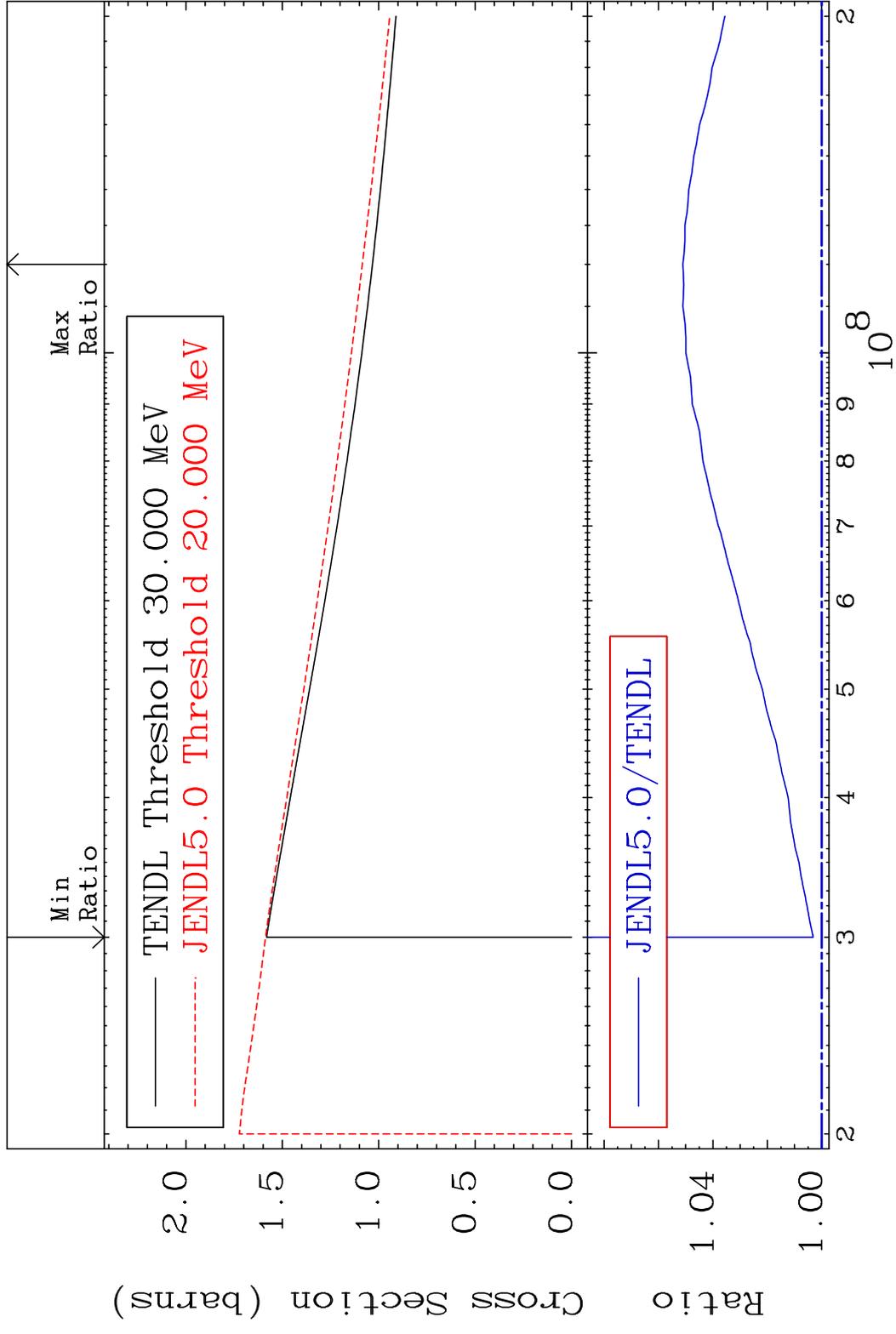
Incident Energy (eV)

42-Mo-93

MAT 4228 Inelastic Cross Section -100.0 To 24.02 % 42-Mo-93



MAT 4228 (n, remainder) 42-Mo-93  
 Cross Section 0.316 To 5.105 %



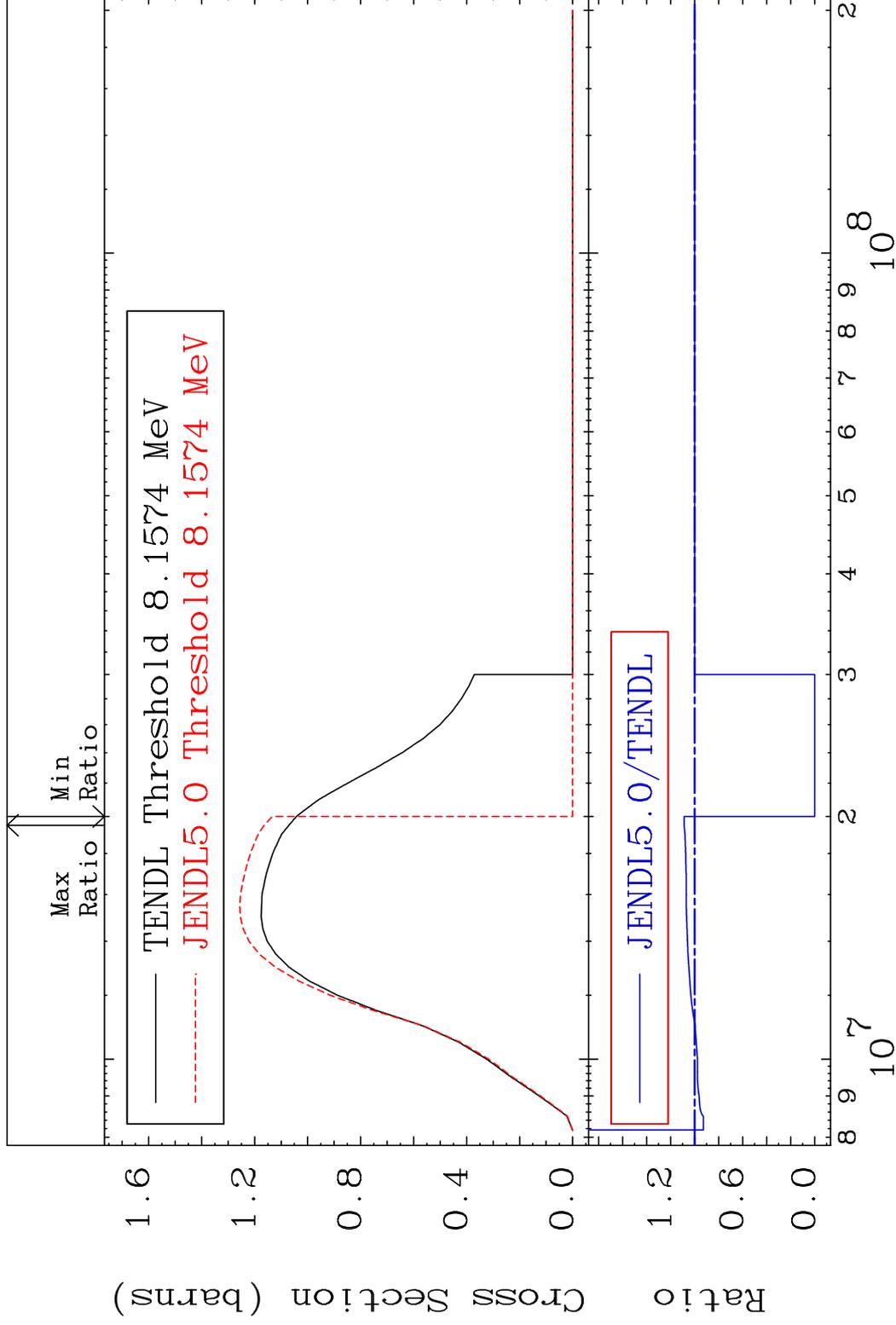
4 Incident Energy (eV) 42-Mo-93

MAT 4228

(n,2n)

42-Mo-93

Cross Section -100.0 To 8.743 %

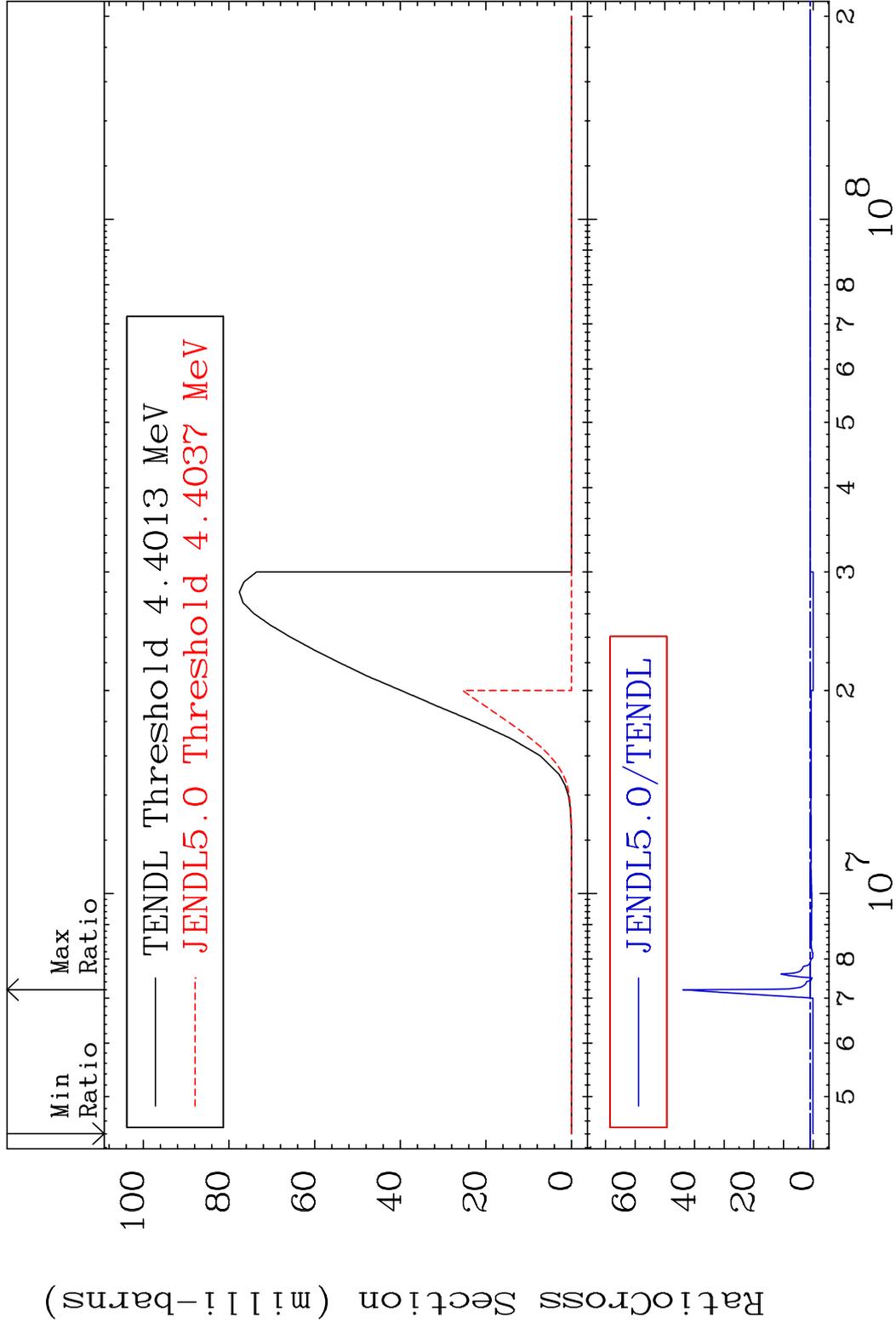


5

Incident Energy (eV)

42-Mo-93

MAT 4228 (n, n')  $\alpha$  42-Mo-93  
 Cross Section -100.0 To 4293. %

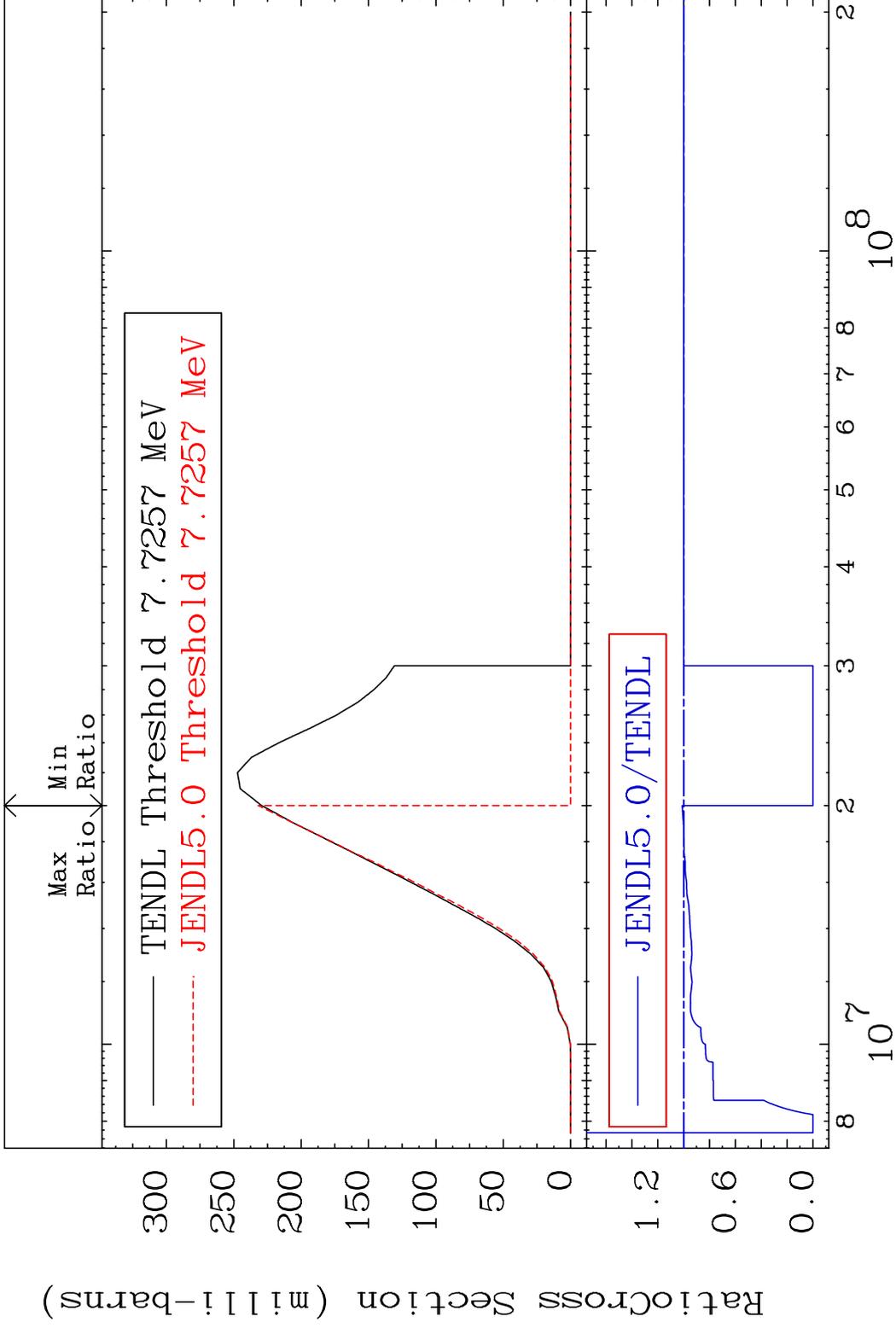


MAT 4228

(n, n') p

42-Mo-93

Cross Section -100.0 To 1.061 %

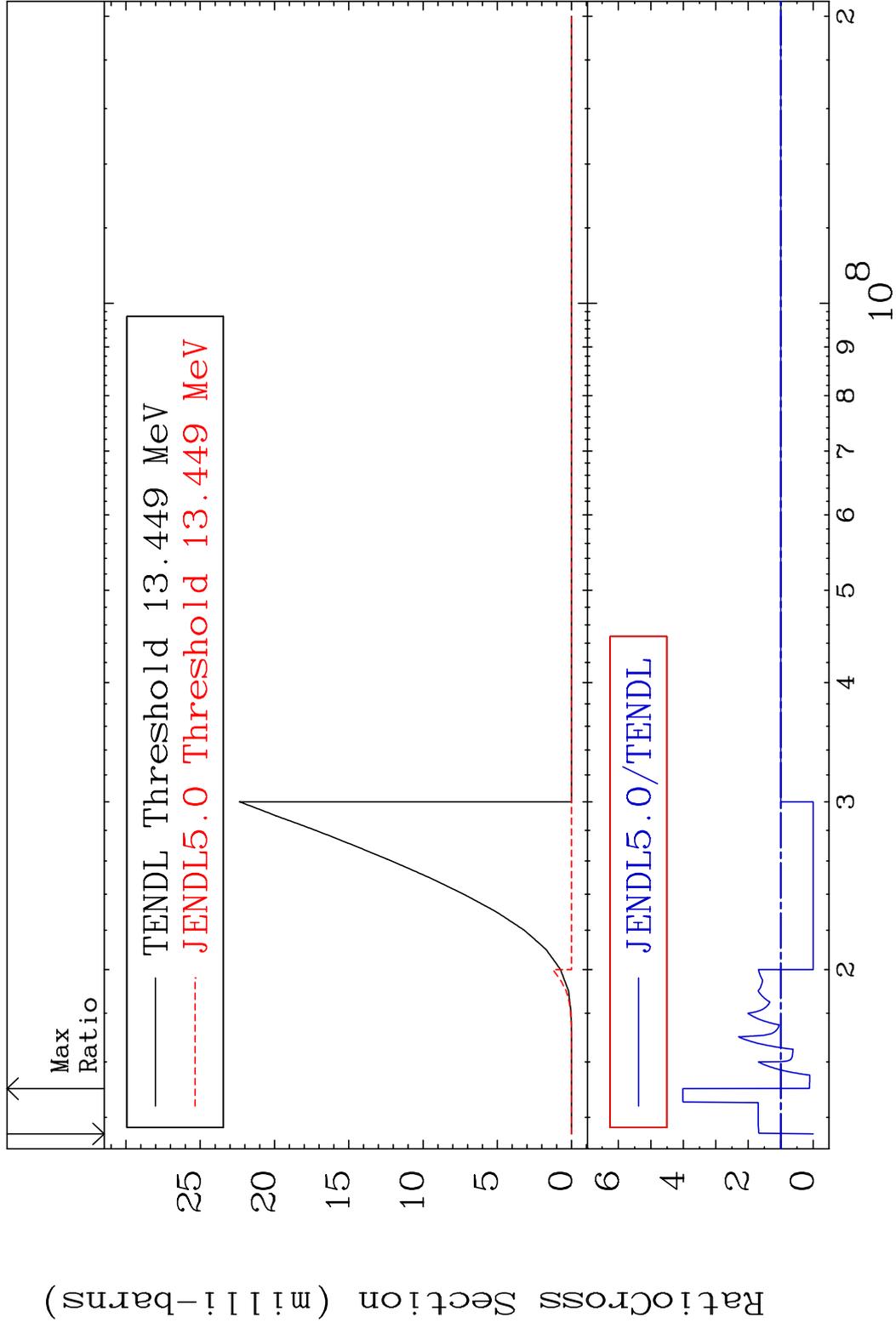


7

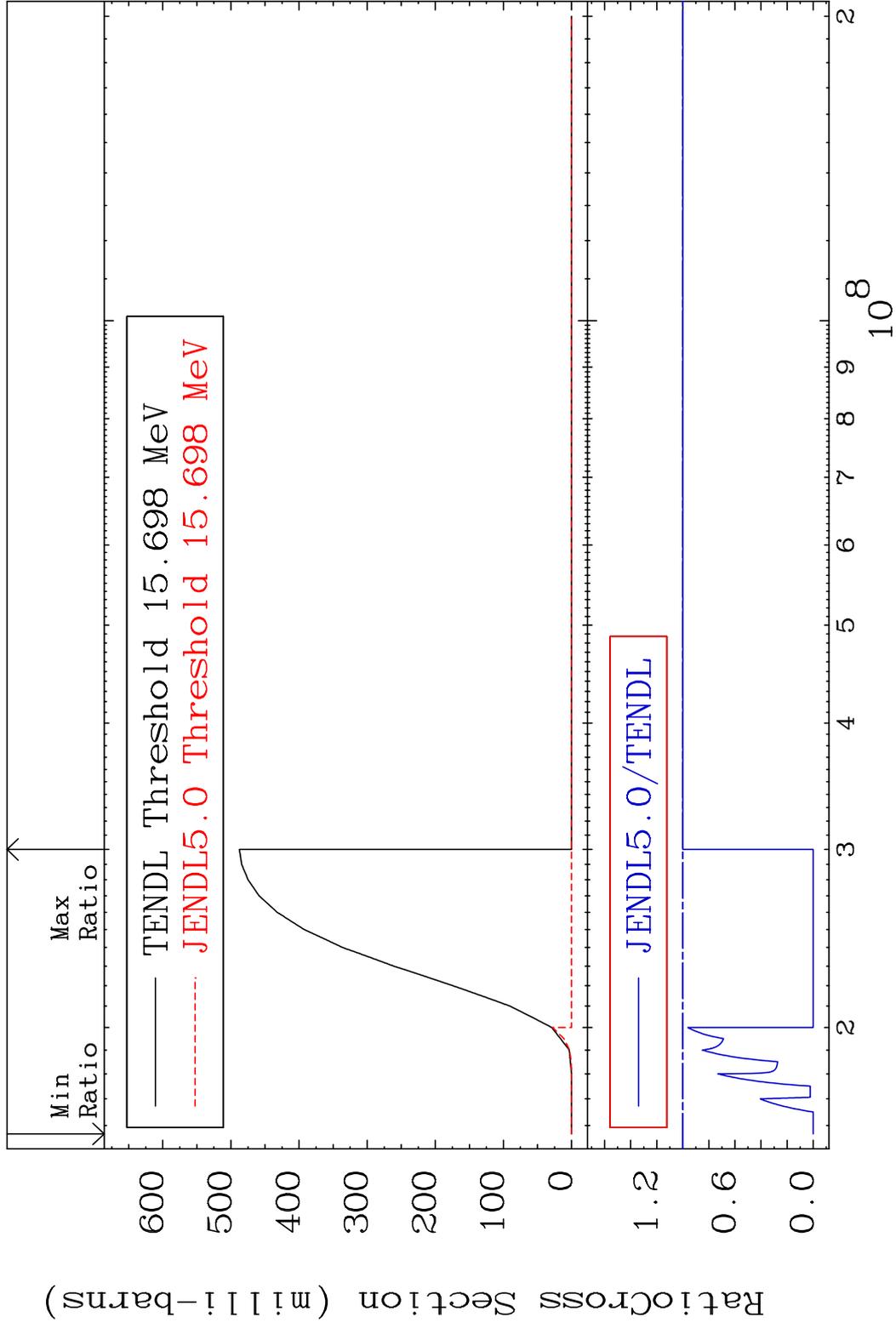
Incident Energy (eV)

42-Mo-93

MAT 4228 (n, n') d 42-Mo-93  
 Cross Section -100.0 To 301.5 %



MAT 4228 (n,2n) p 42-Mo-93  
 Cross Section -100.0 To 0.000 %

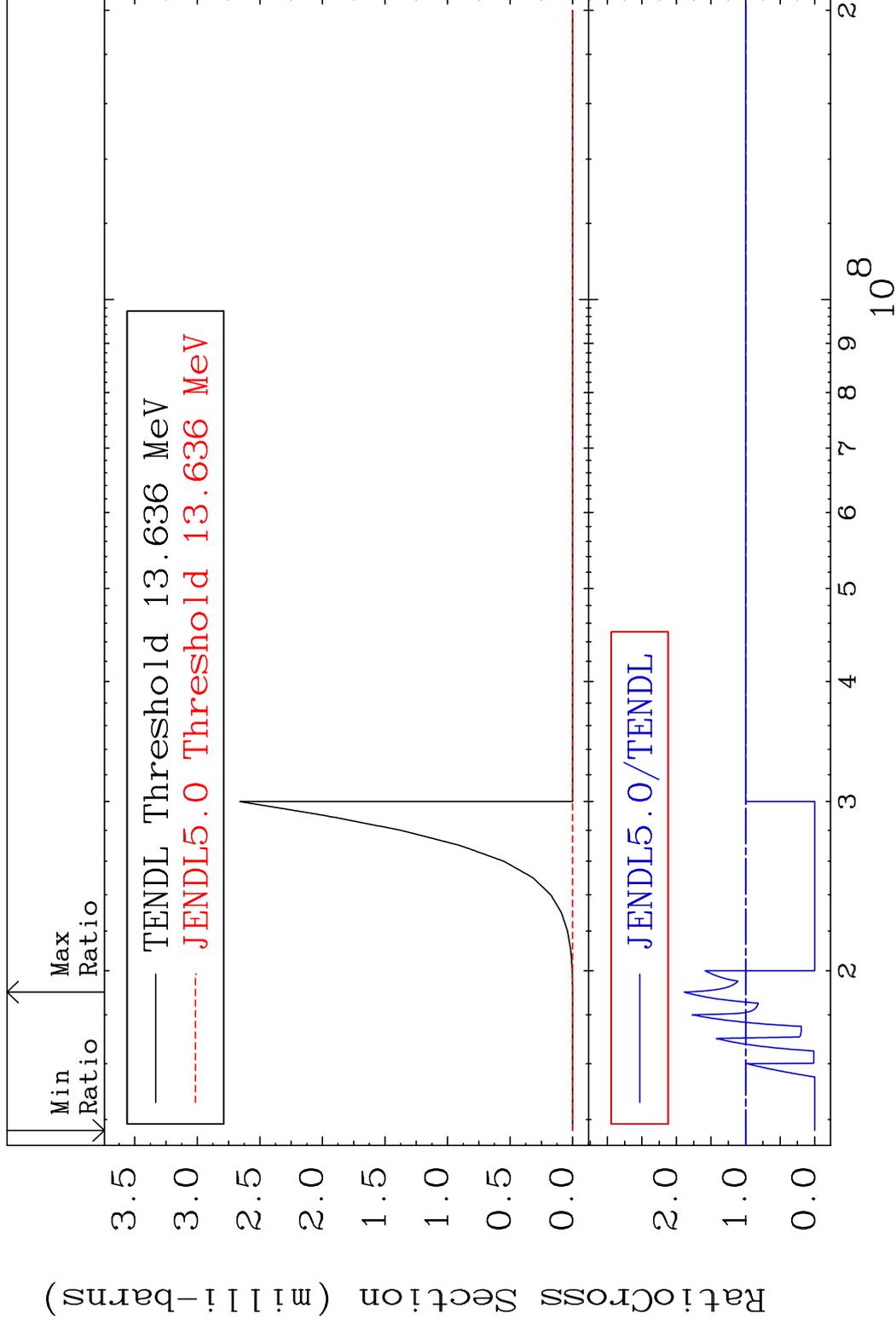


MAT 4228

(n,2n) p

42-Mo-93

Cross Section -100.0 To 88.90 %

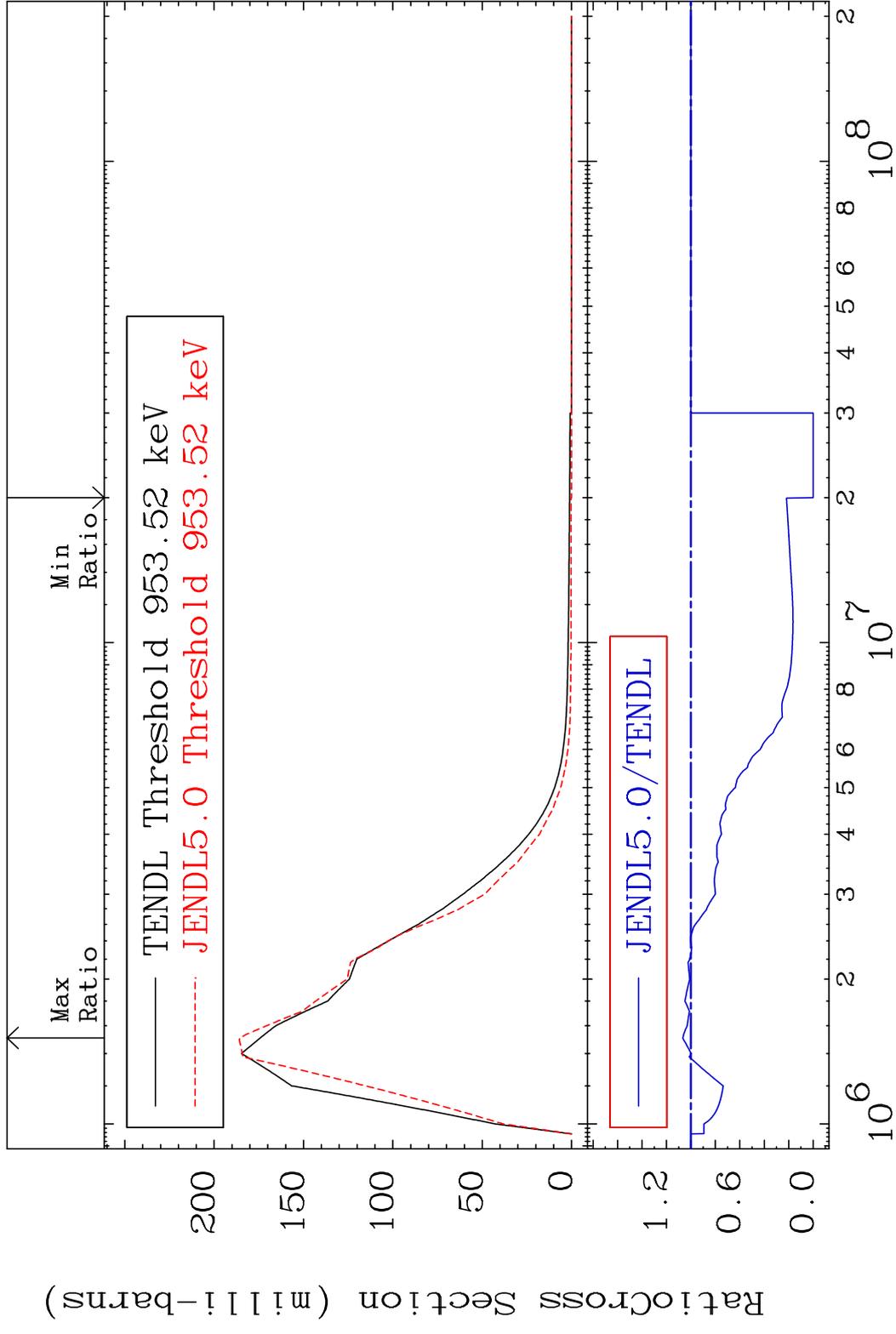


10

Incident Energy (eV)

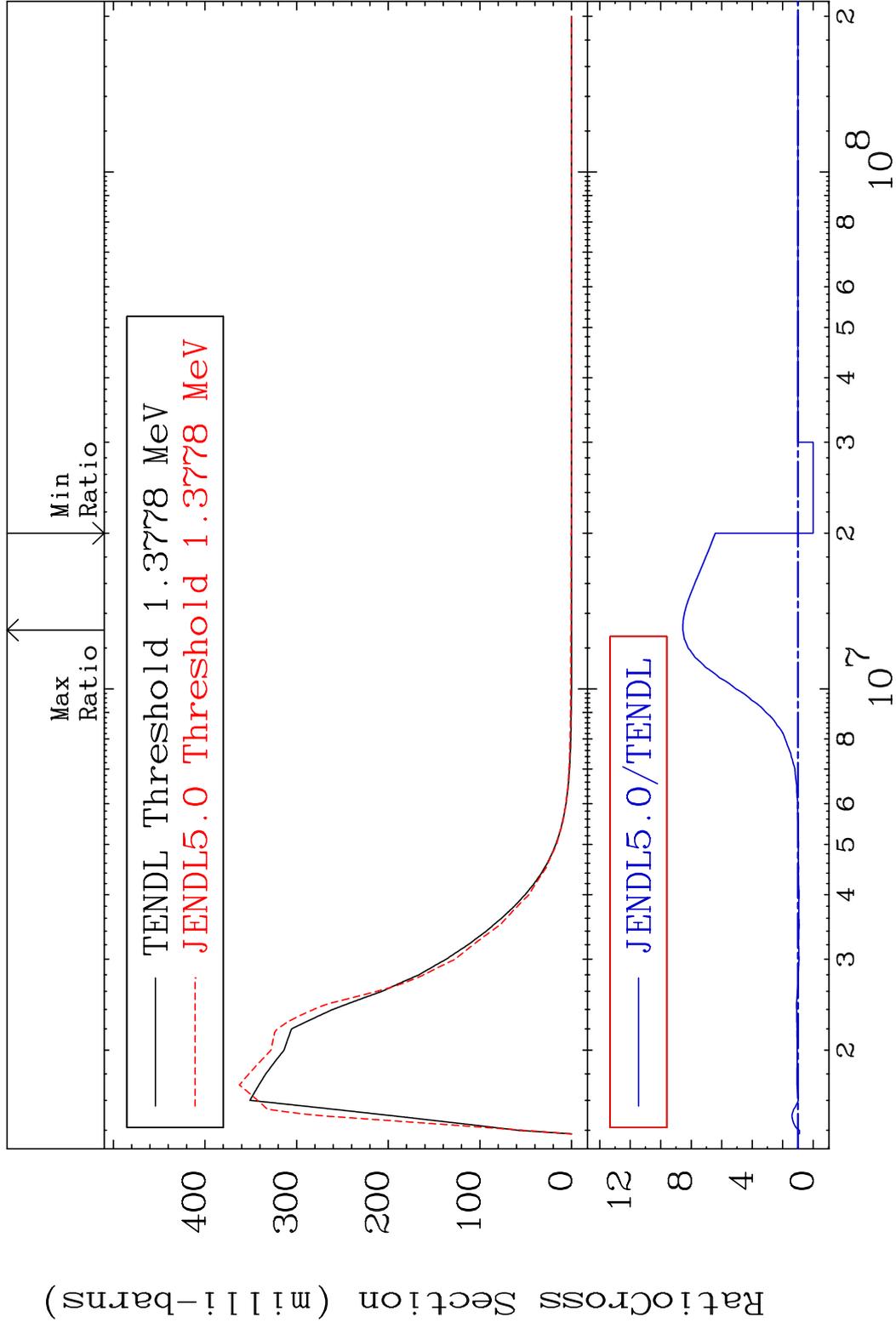
42-Mo-93

MAT 4228 MT= 51 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 6.599 %

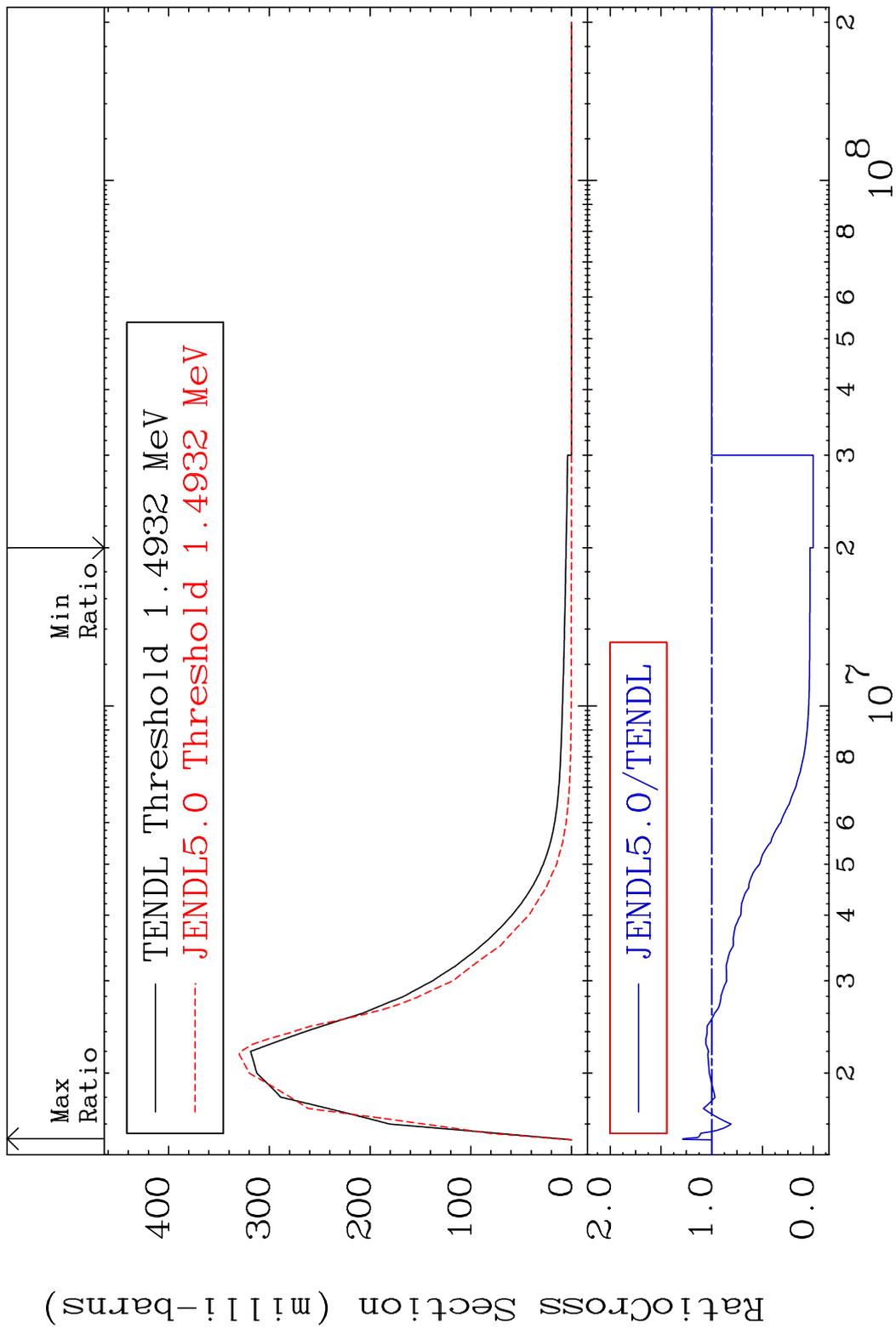


11 Incident Energy (eV) 42-Mo-93

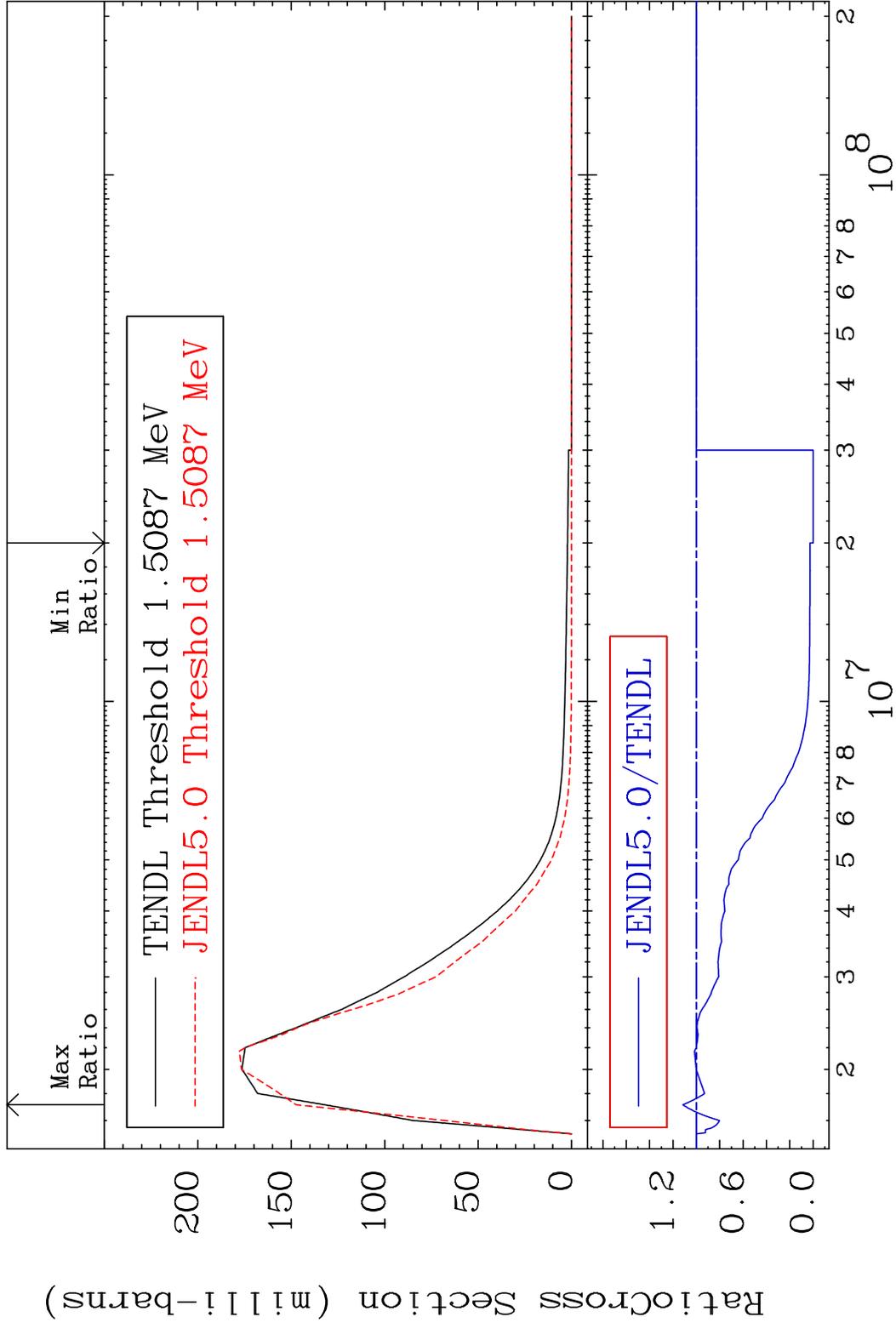
MAT 4228 MT= 52 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 755.0 %



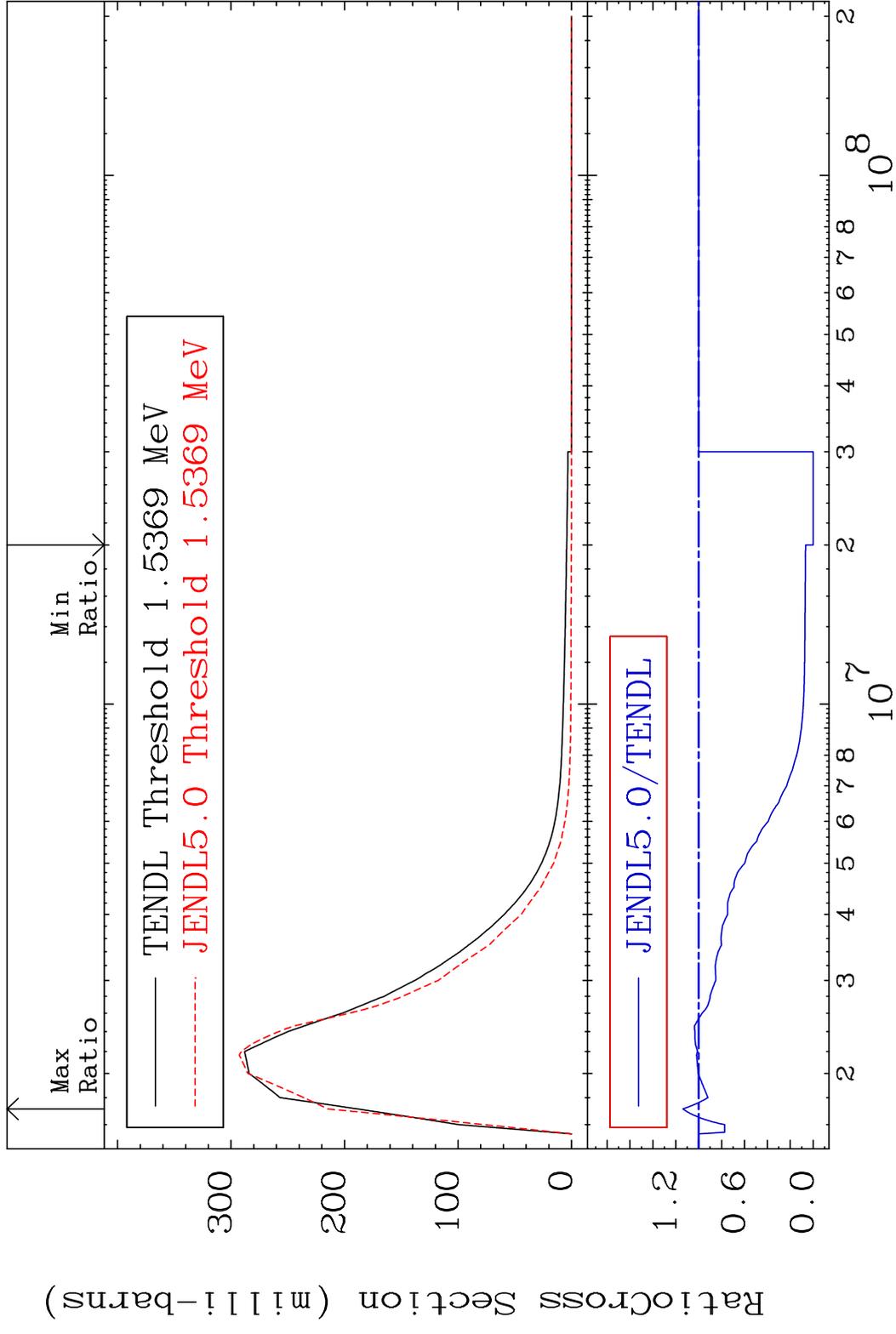
MAT 4228 MT= 53 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 28.44 %



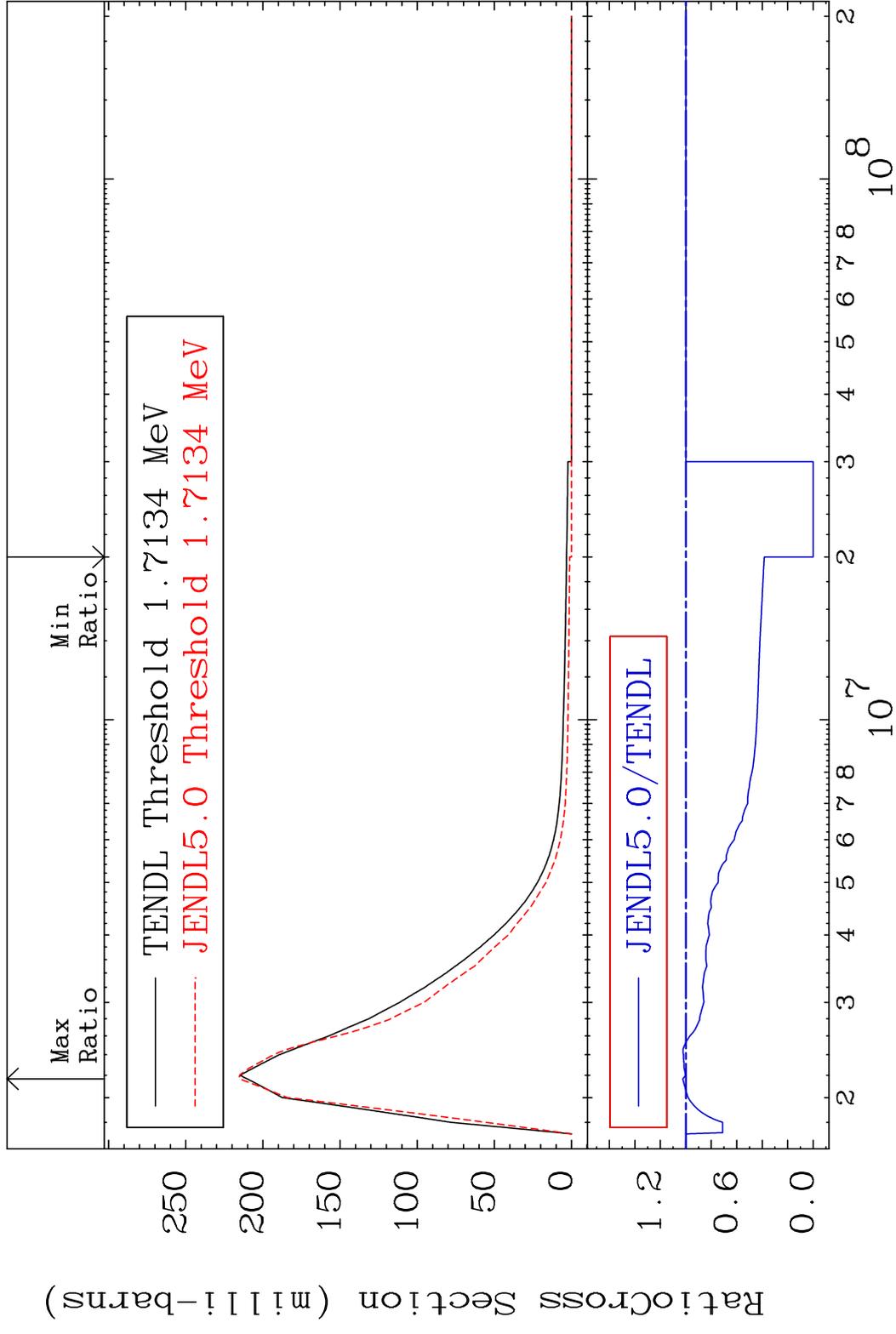
MAT 4228 MT= 54 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 11.57 %



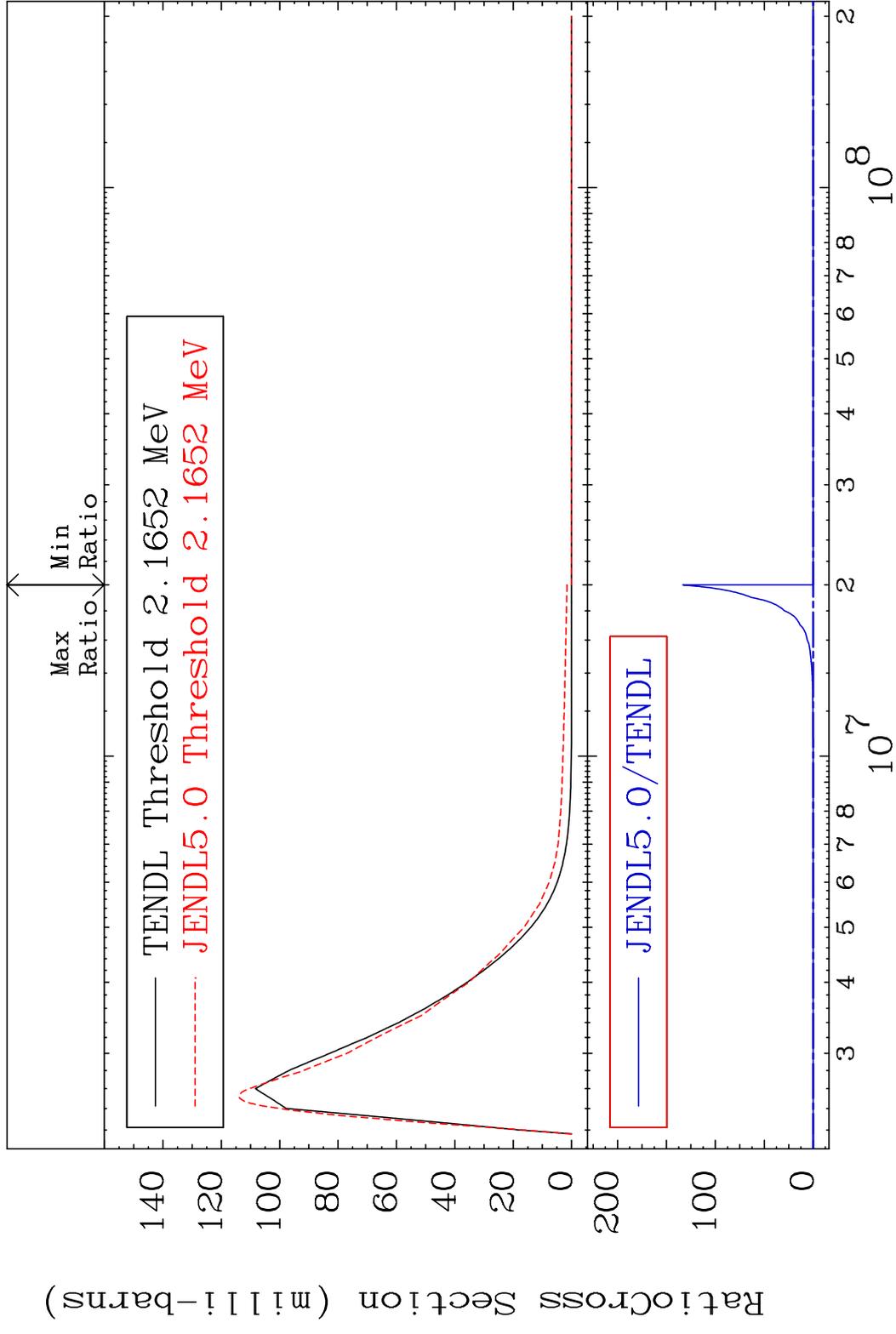
MAT 4228 MT= 55 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 13.84 %



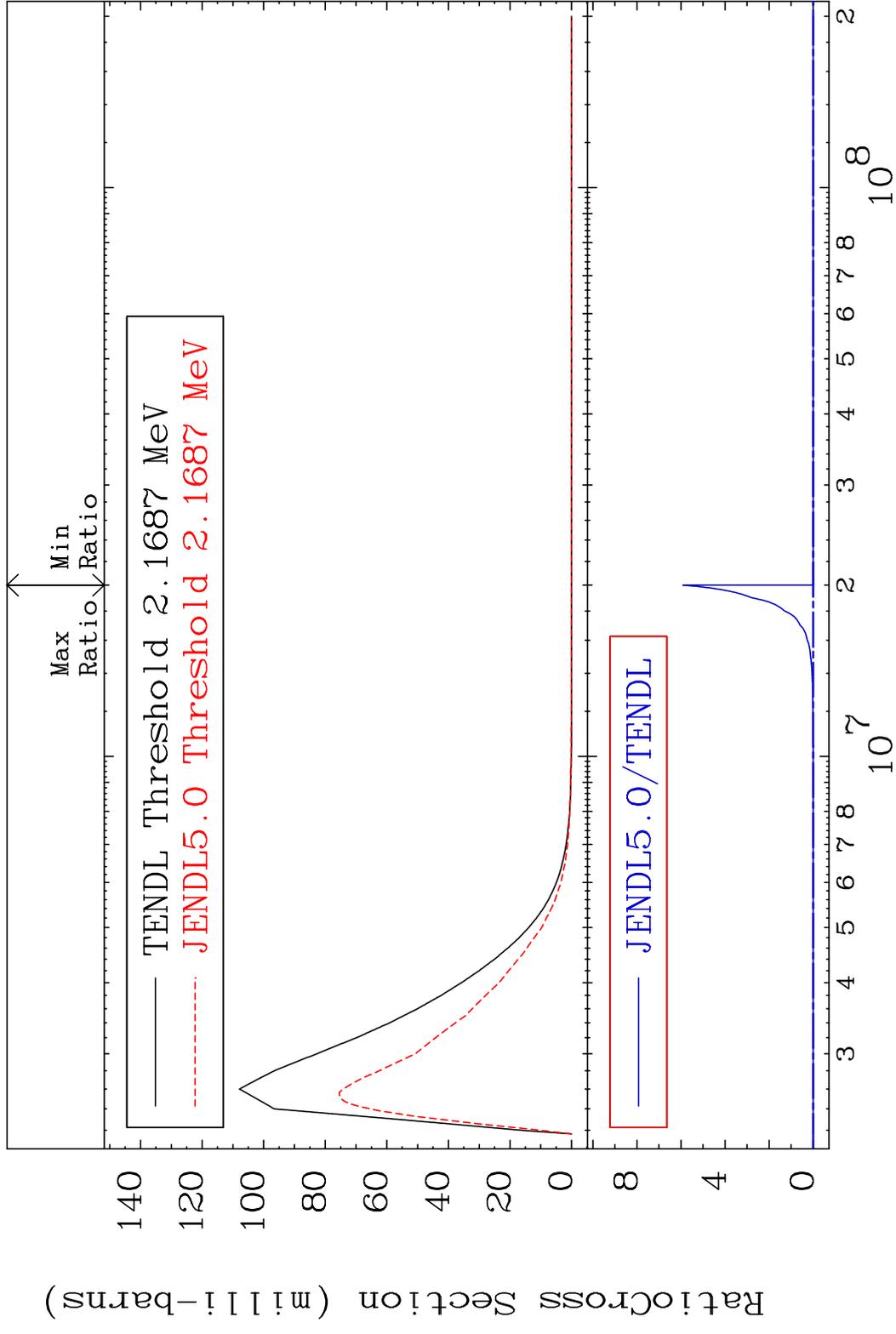
MAT 4228 MT= 56 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 2.345 %



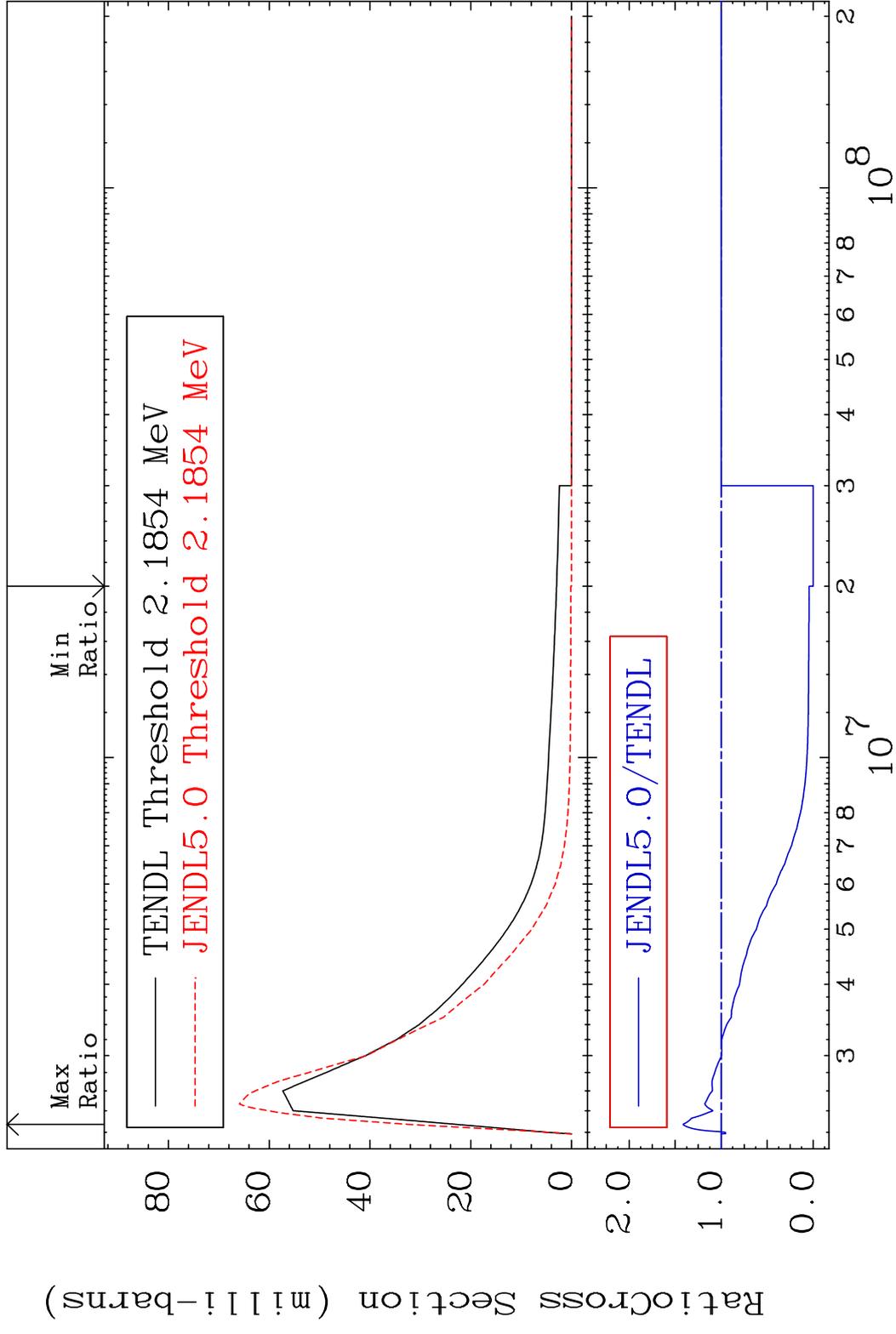
MAT 4228 MT= 57 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 9999. %



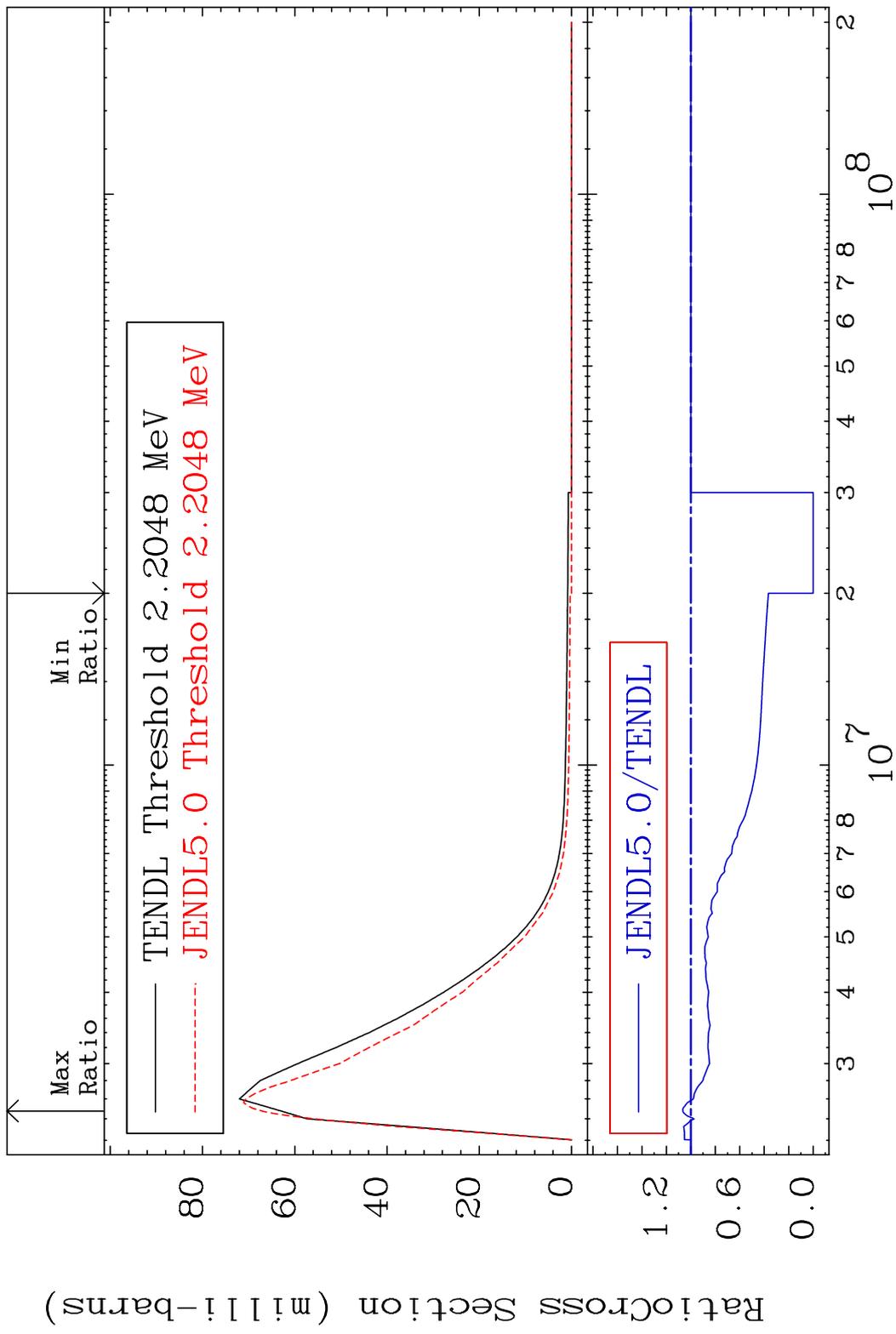
MAT 4228 MT= 58 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 9999. %



MAT 4228 MT= 59 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 41.71 %

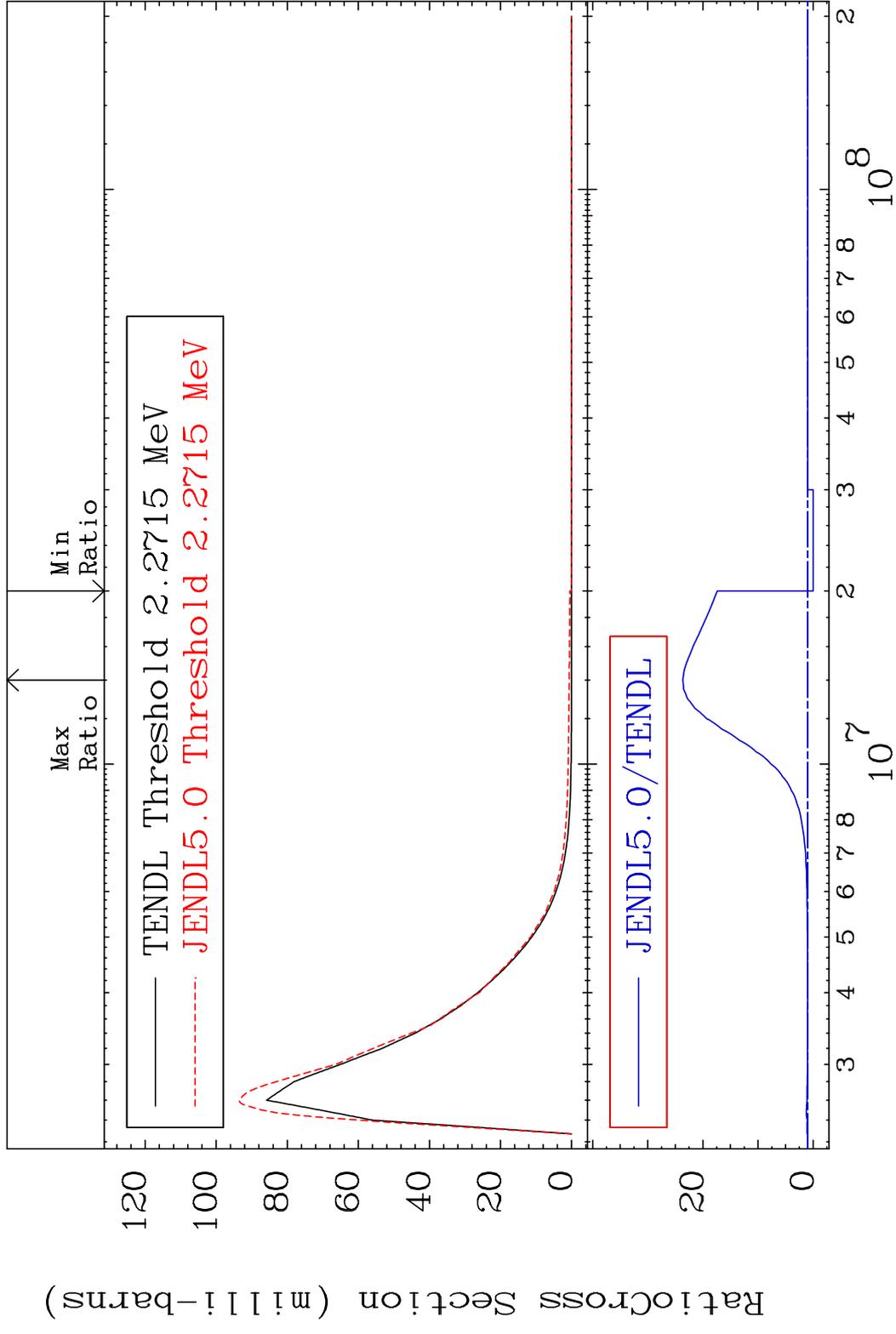


MAT 4228 MT= 60 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 6.542 %

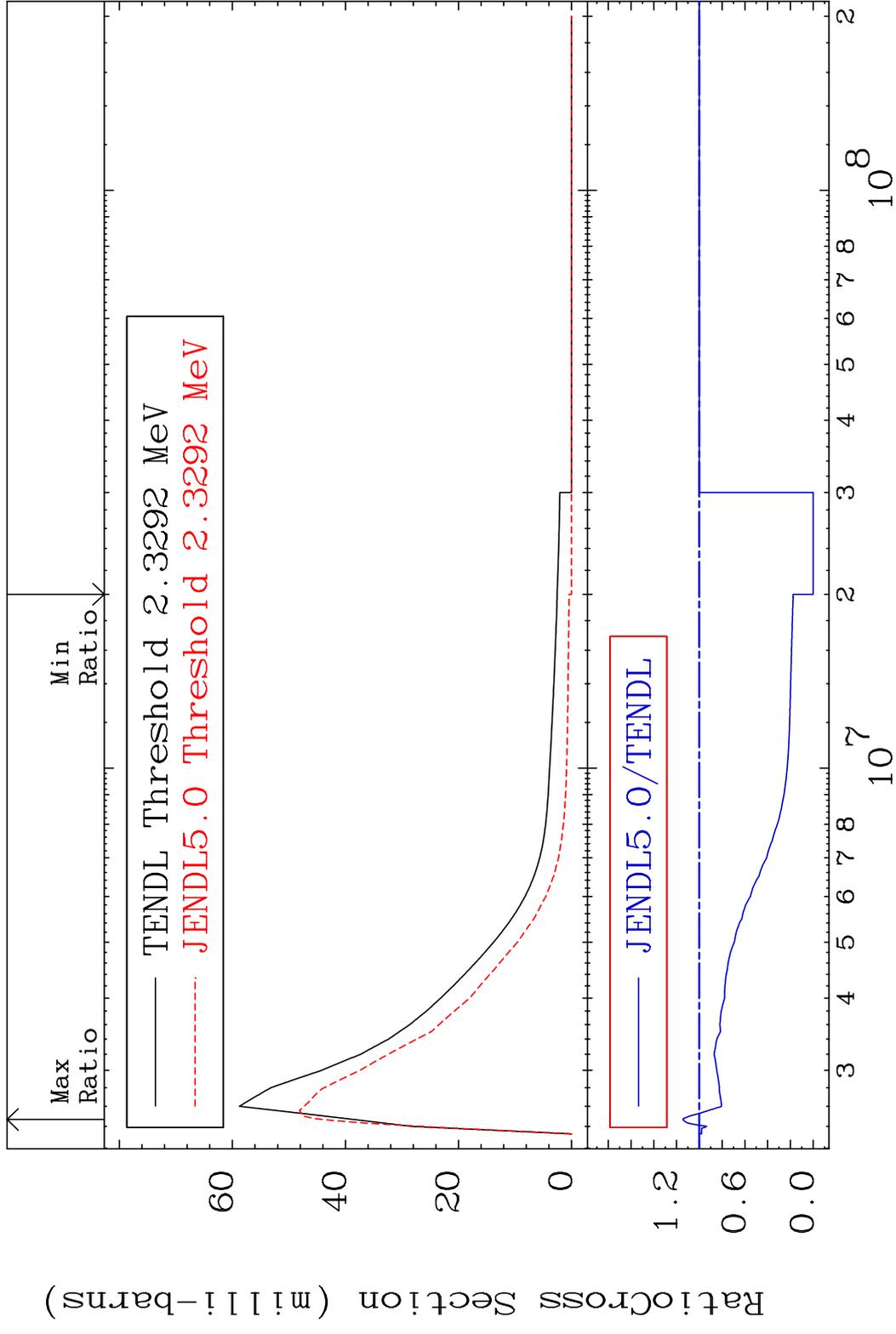


20 42-Mo-93

MAT 4228 MT= 61 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 2264. %

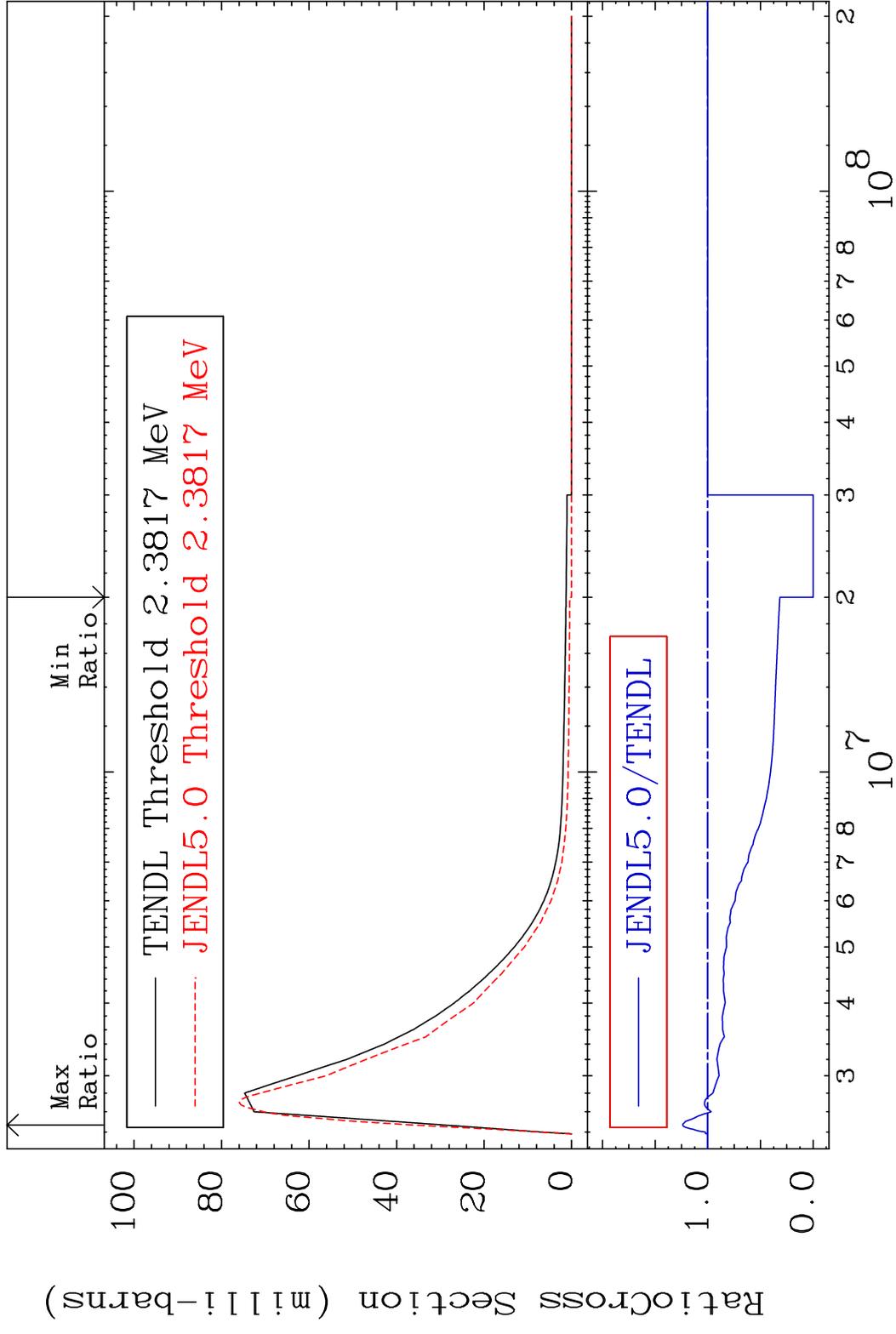


MAT 4228 MT= 62 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 14.49 %

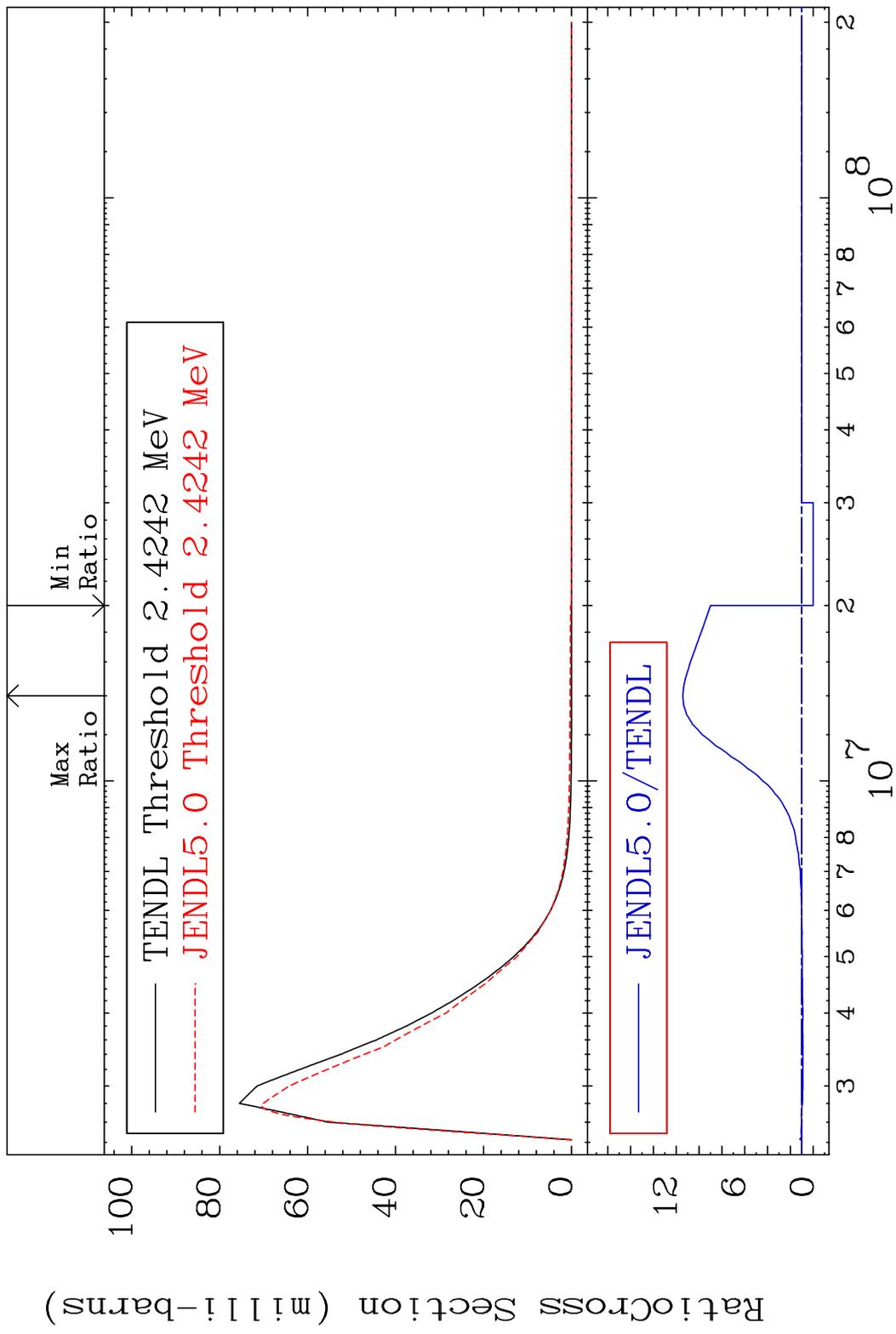


22 Incident Energy (eV) 42-Mo-93

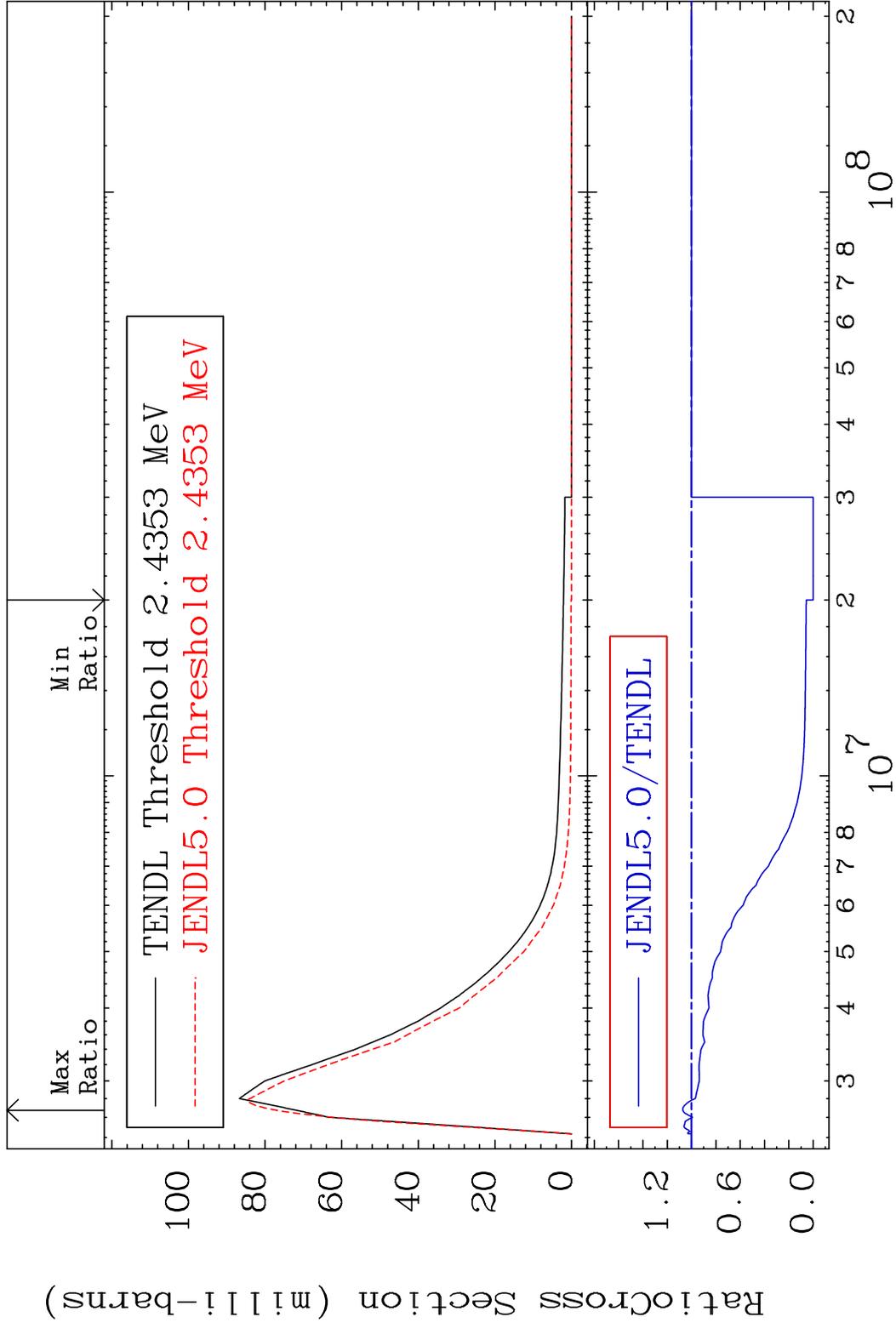
MAT 4228 MT= 63 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 23.75 %



MAT 4228 MT= 64 (n, n') Level 42-Mo-93  
 Cross Section -100.0 To 1042. %



MAT 4228 MT= 65 (n,n') Level 42-Mo-93  
 Cross Section -100.0 To 7.178 %

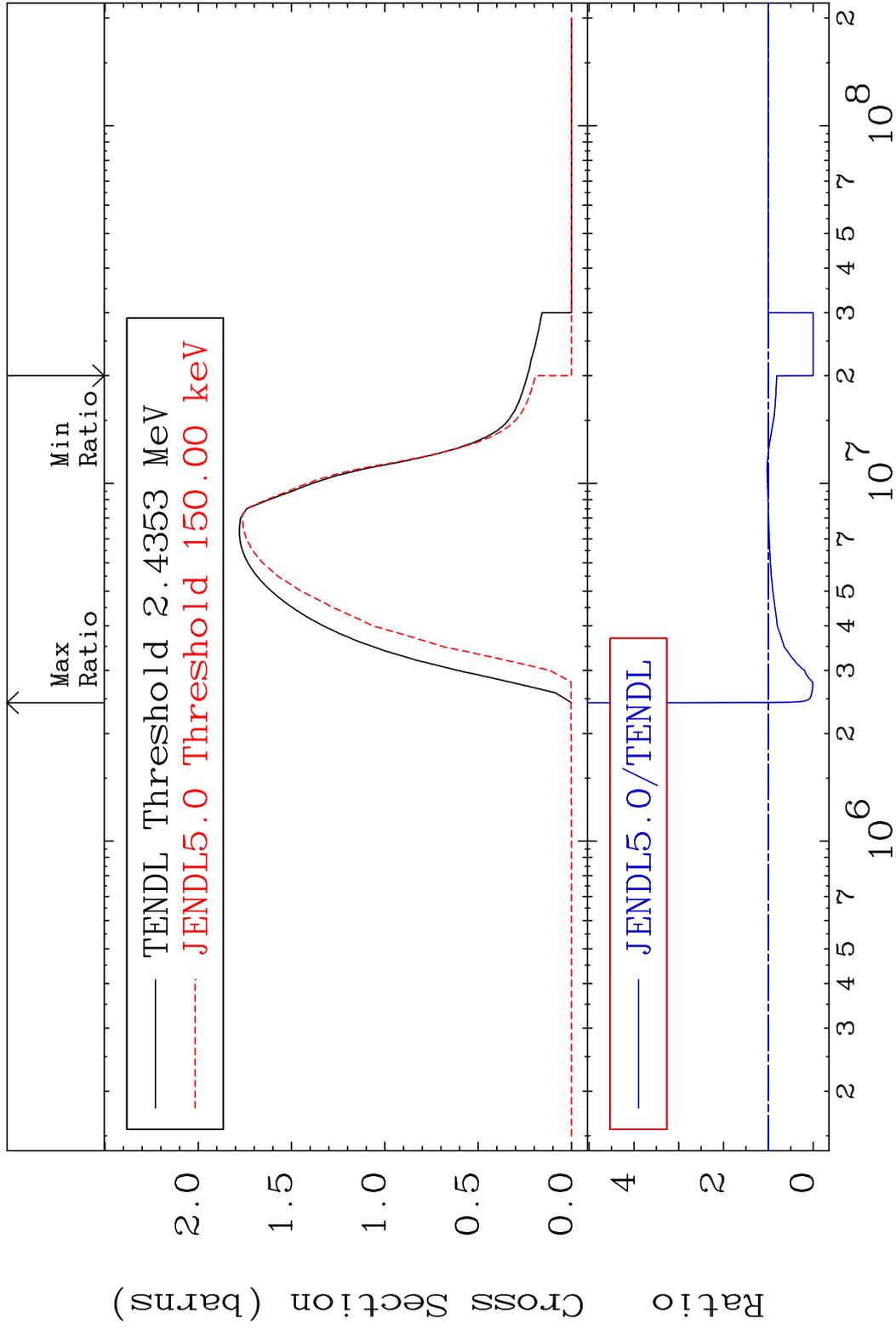


MAT 4228

(n, n') Continuum

42-Mo-93

Cross Section -100.0 To 190.9 %



26

Incident Energy (eV)

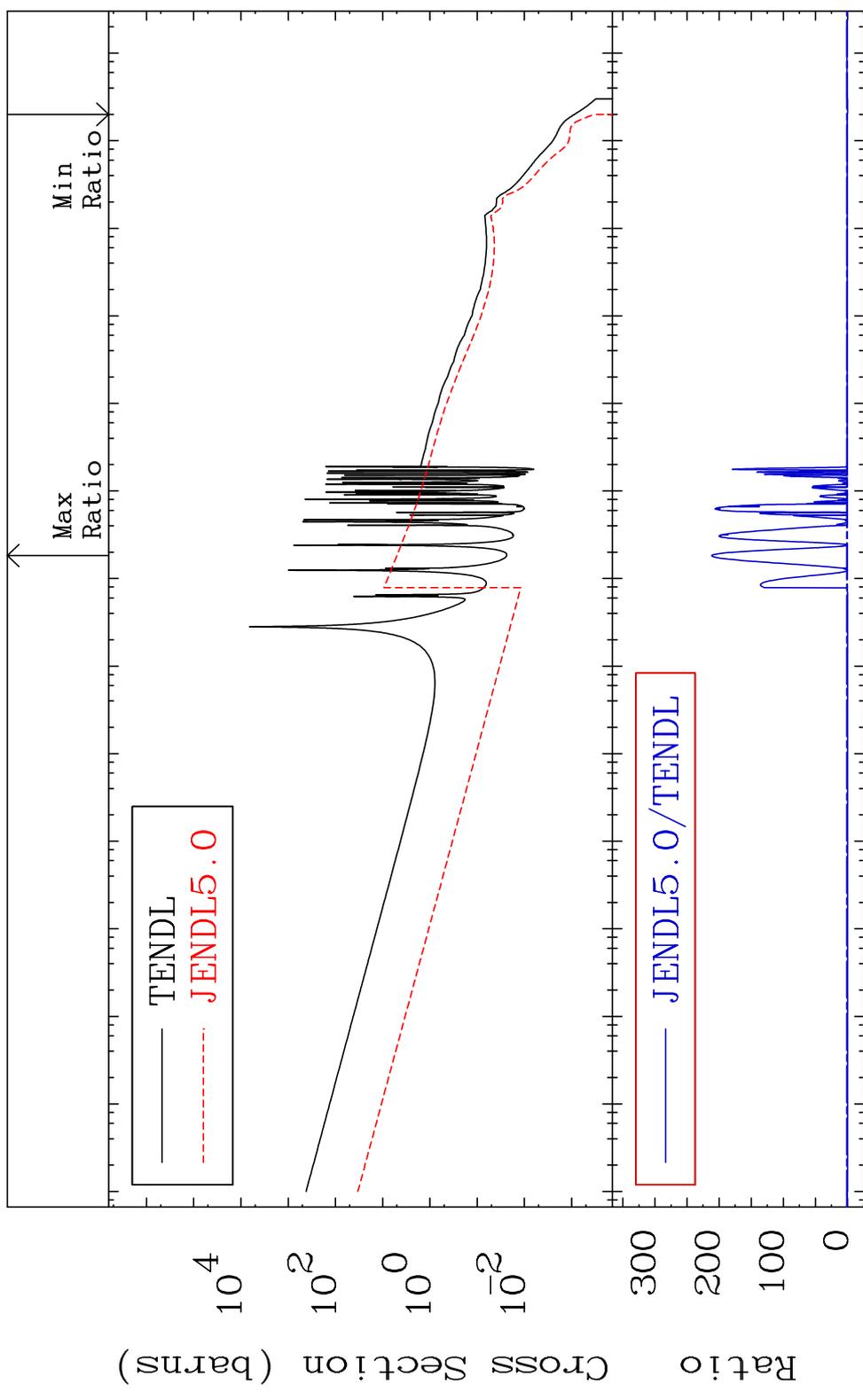
42-Mo-93

MAT 4228

(n,  $\gamma$ )

42-Mo-93

Cross Section -100.0 To 9999. %

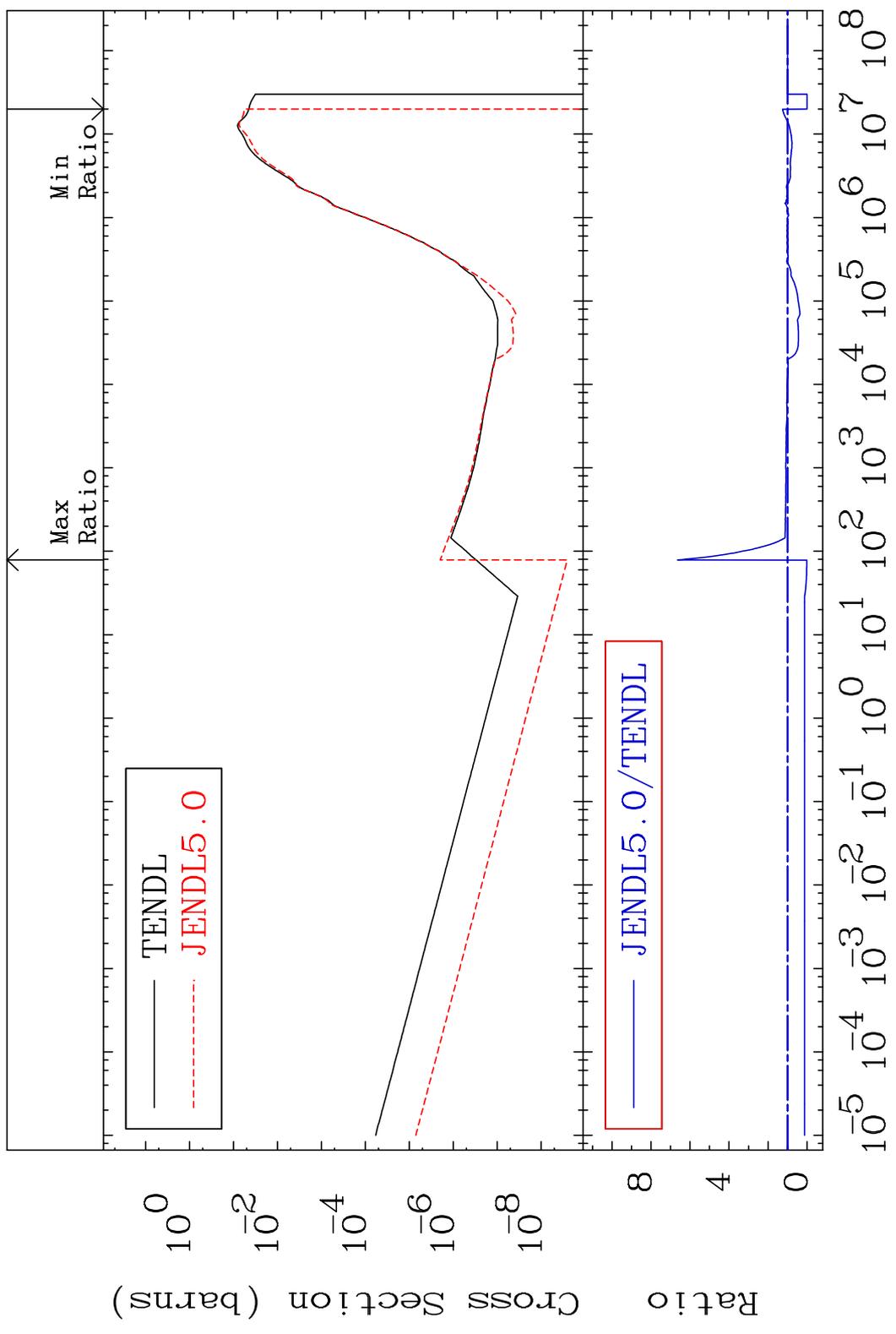


MAT 4228

(n, p)

42-Mo-93

Cross Section -100.0 To 563.3 %



28

Incident Energy (eV)

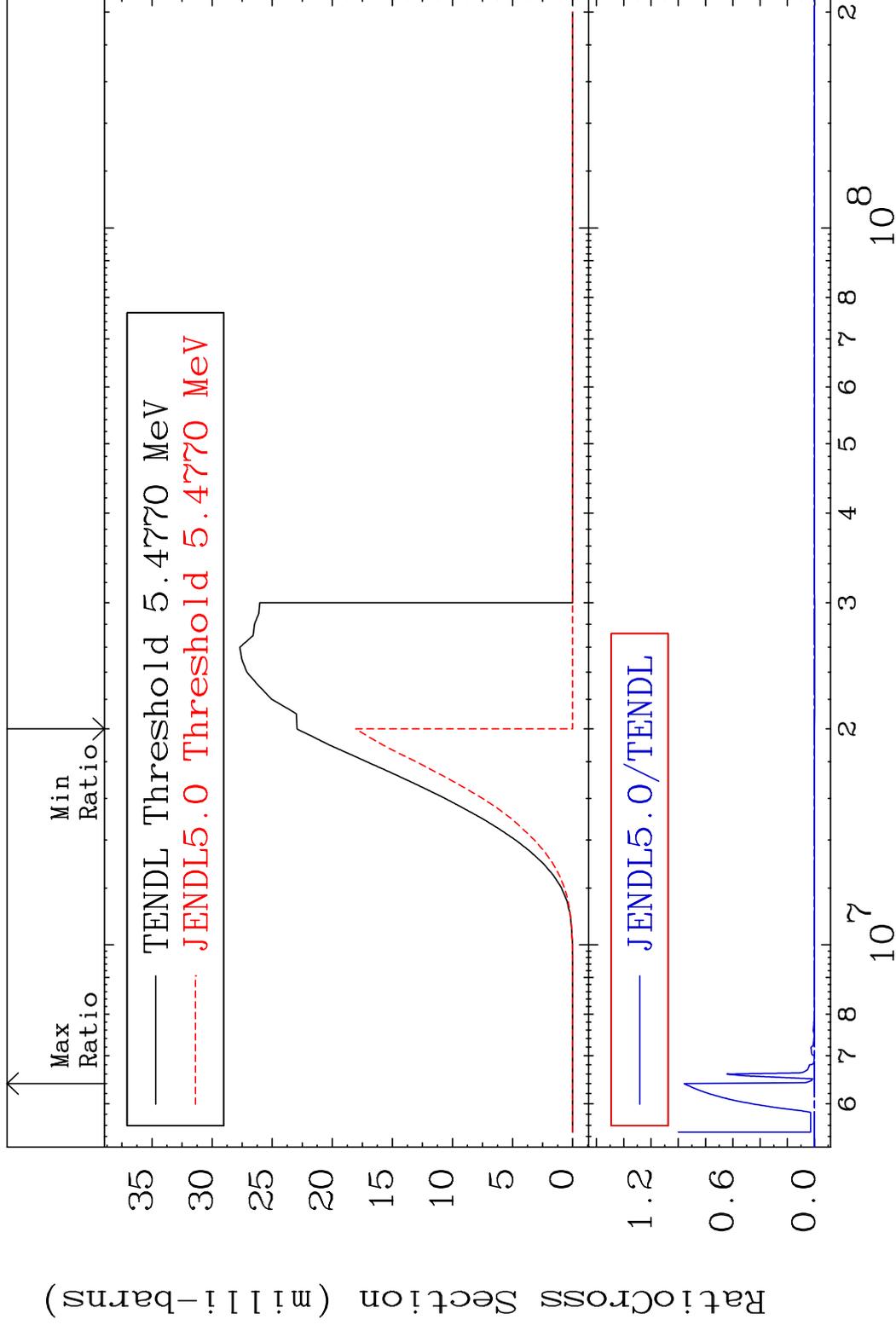
42-Mo-93

MAT 4228

(n,d)

42-Mo-93

Cross Section -100.0 To 9999. %

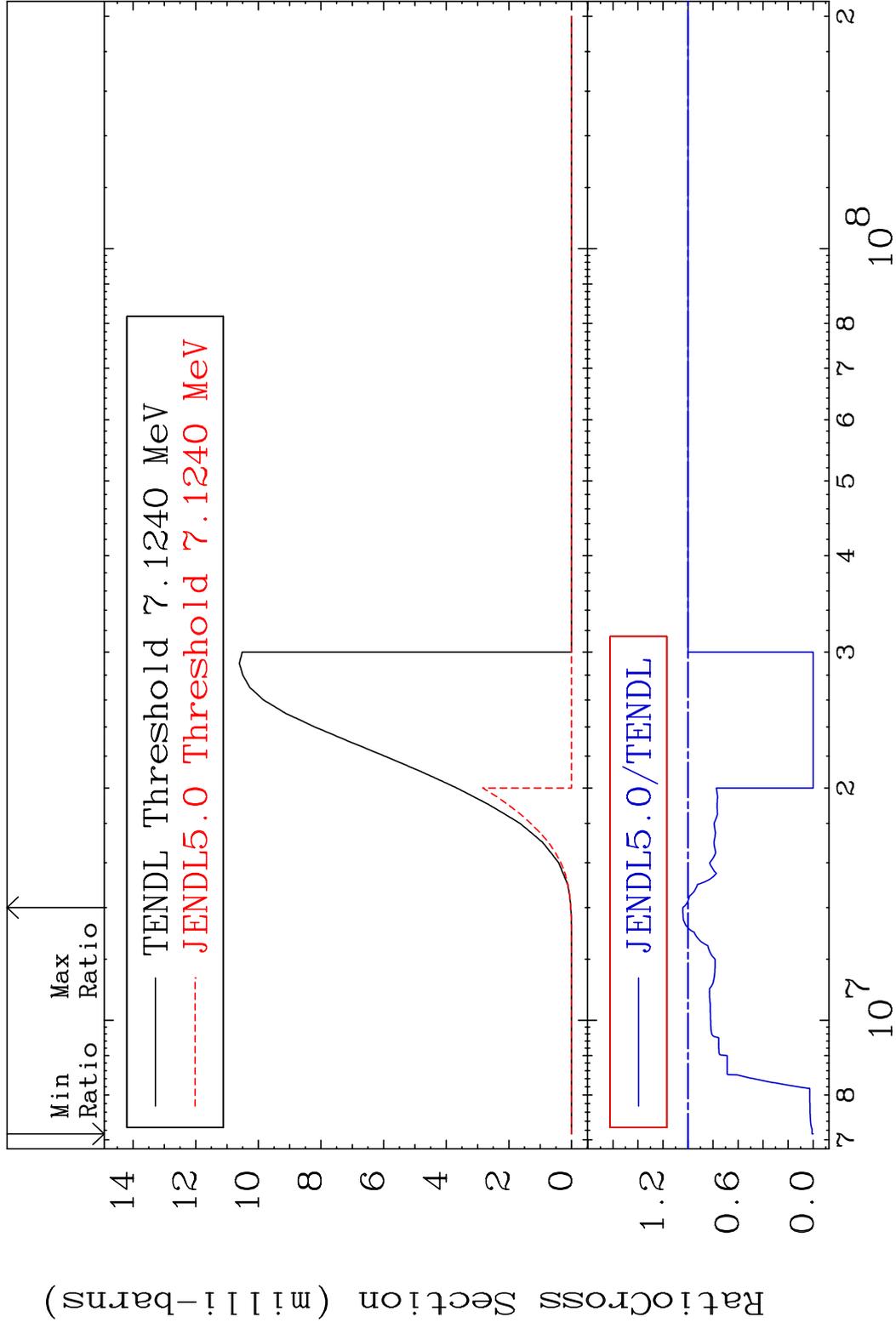


29

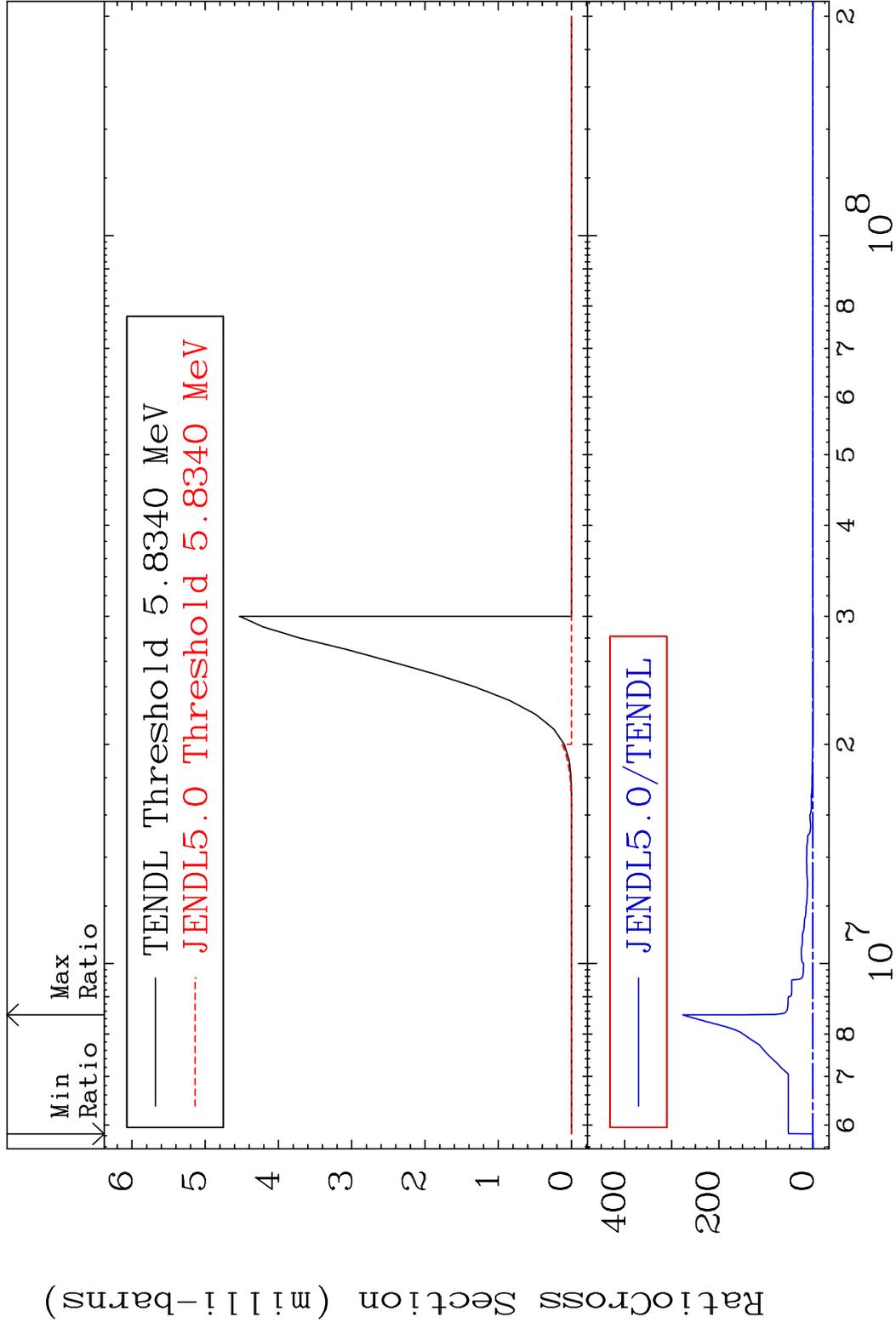
Incident Energy (eV)

42-Mo-93

MAT 4228 (n, t) 42-Mo-93  
 Cross Section -100.0 To 4.143 %



MAT 4228 (n, He-3) 42-Mo-93  
 Cross Section -100.0 To 9999. %

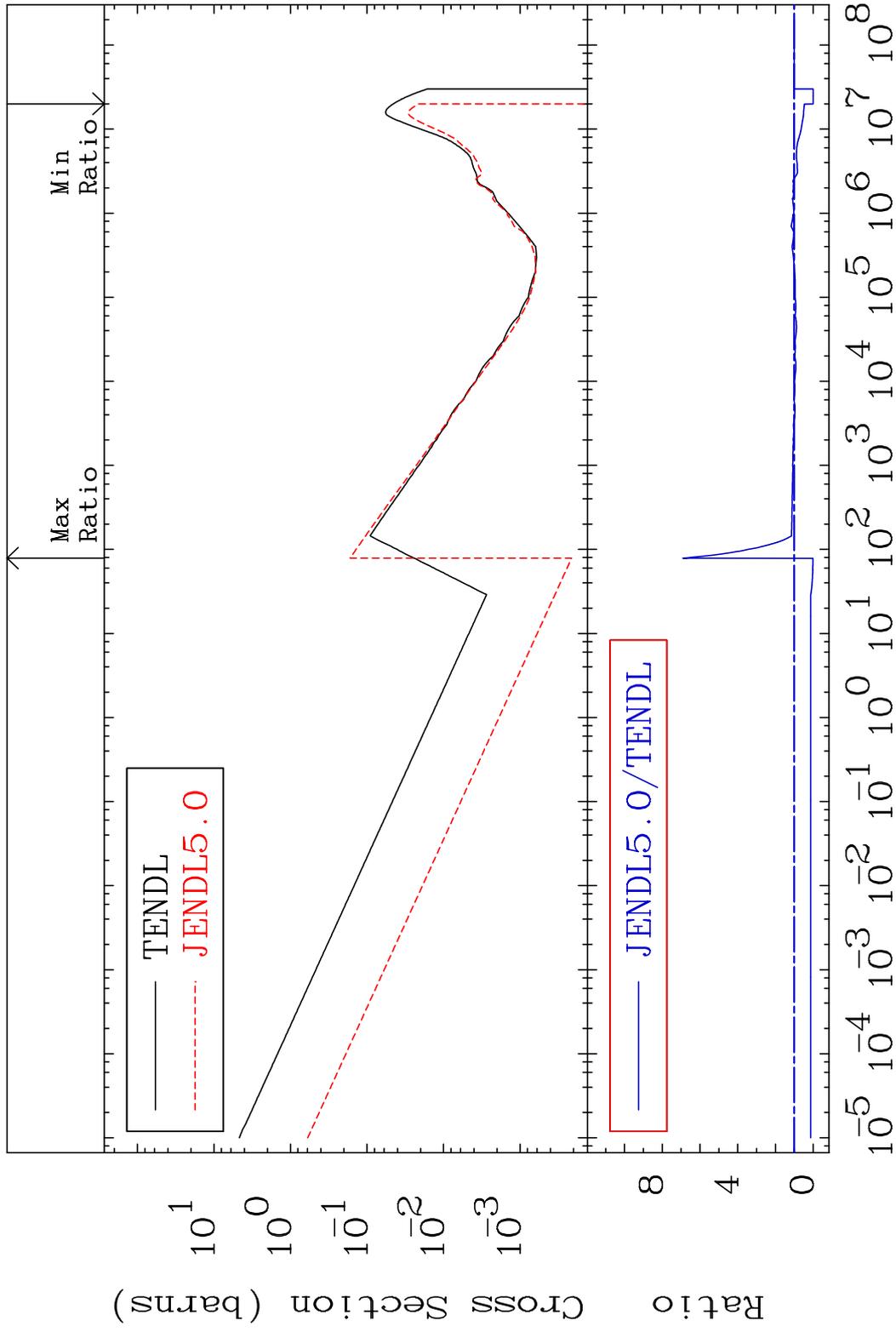


MAT 4228

(n,  $\alpha$ )

Cross Section -100.0 To 590.9 %

42-Mo-93



32

Incident Energy (eV)

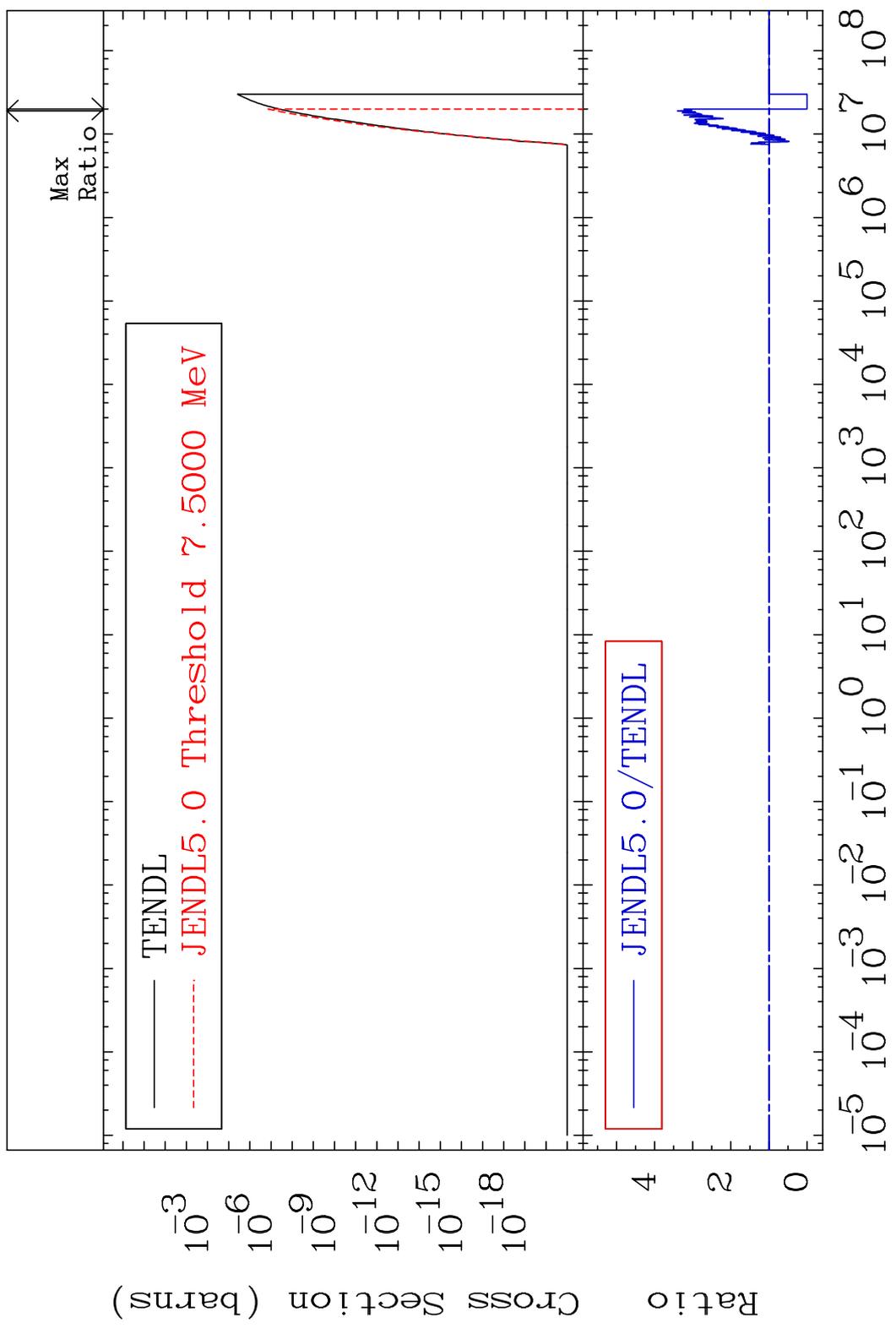
42-Mo-93

MAT 4228

(n, 2α)

42-Mo-93

Cross Section -100.0 To 239.5 %

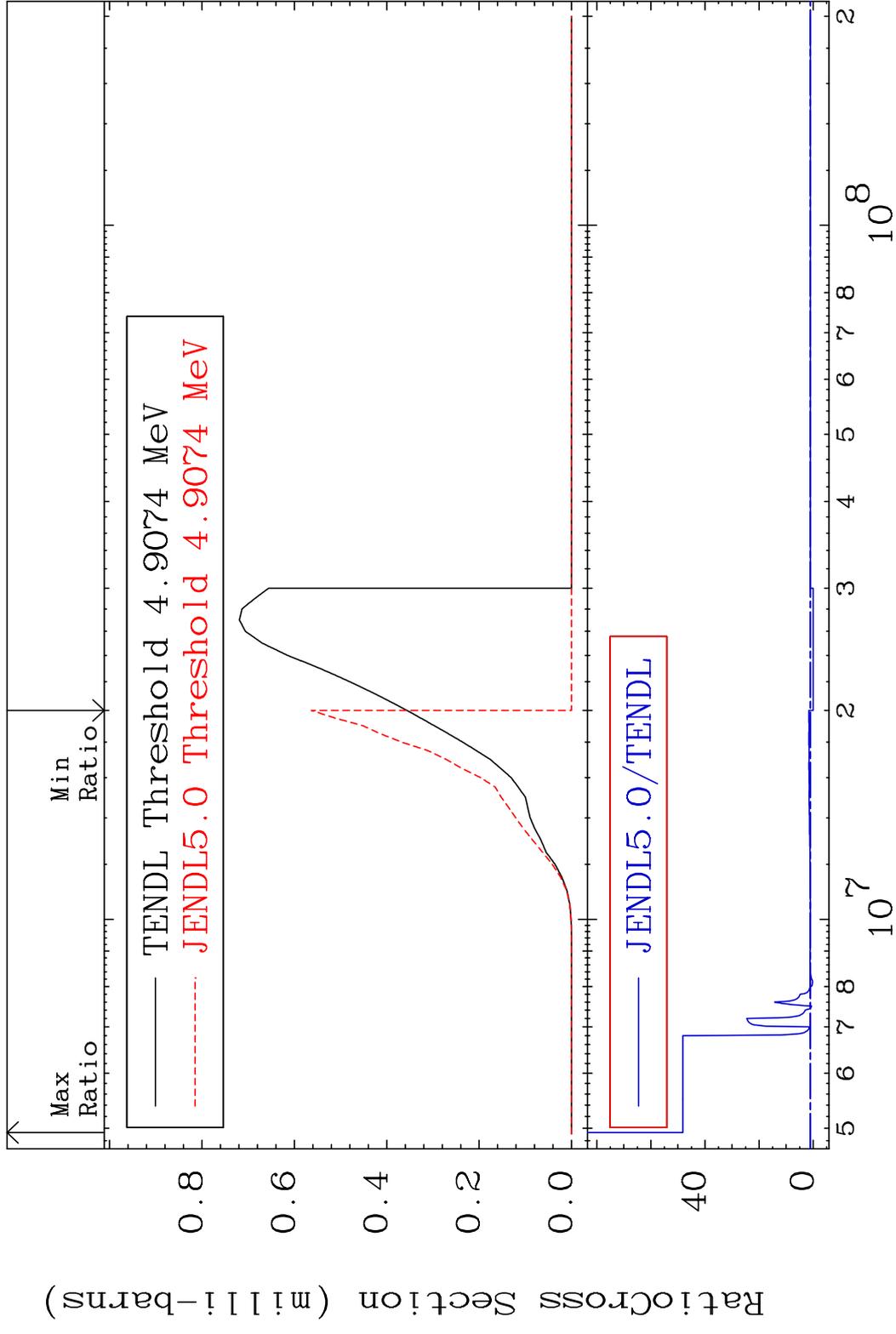


33

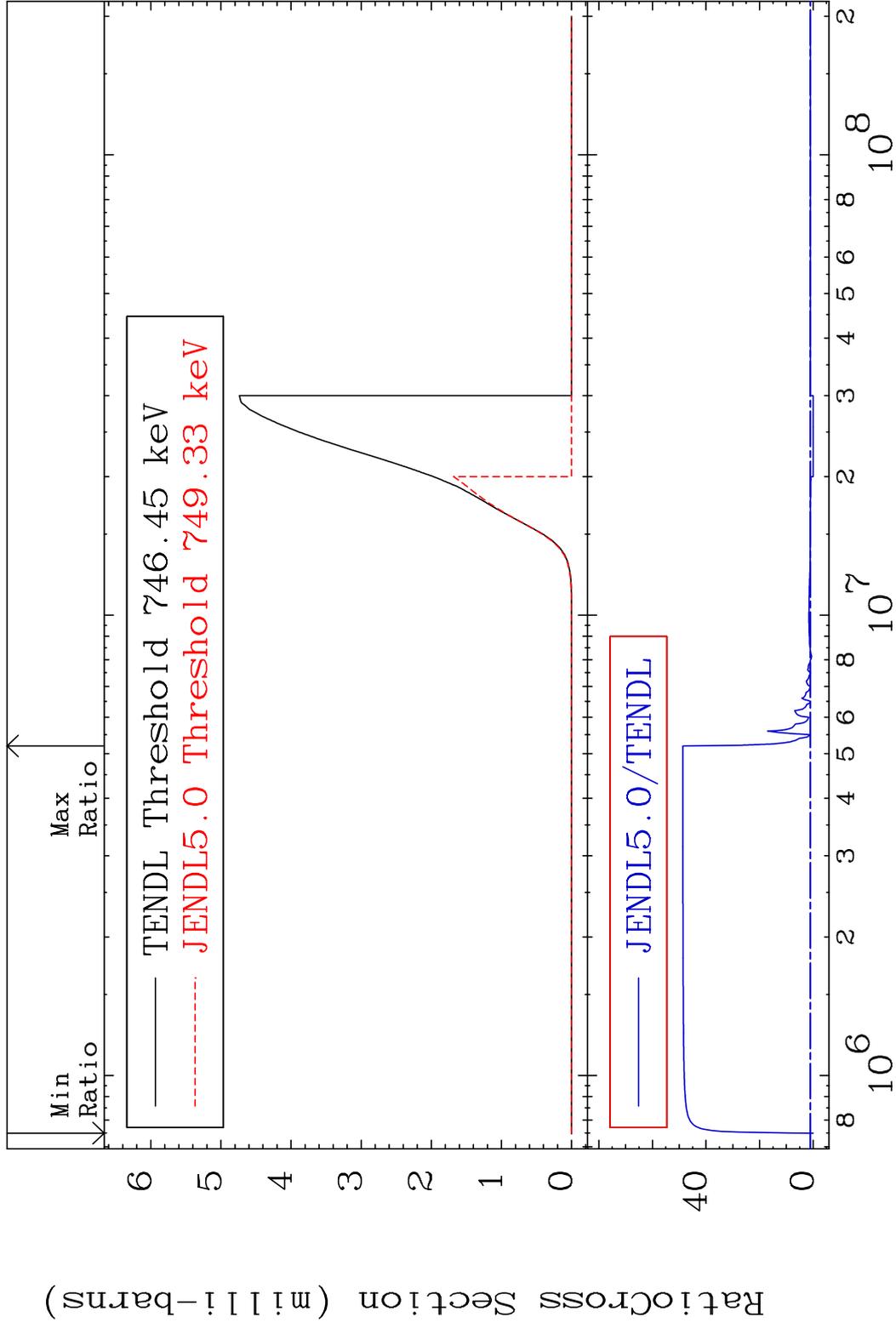
Incident Energy (eV)

42-Mo-93

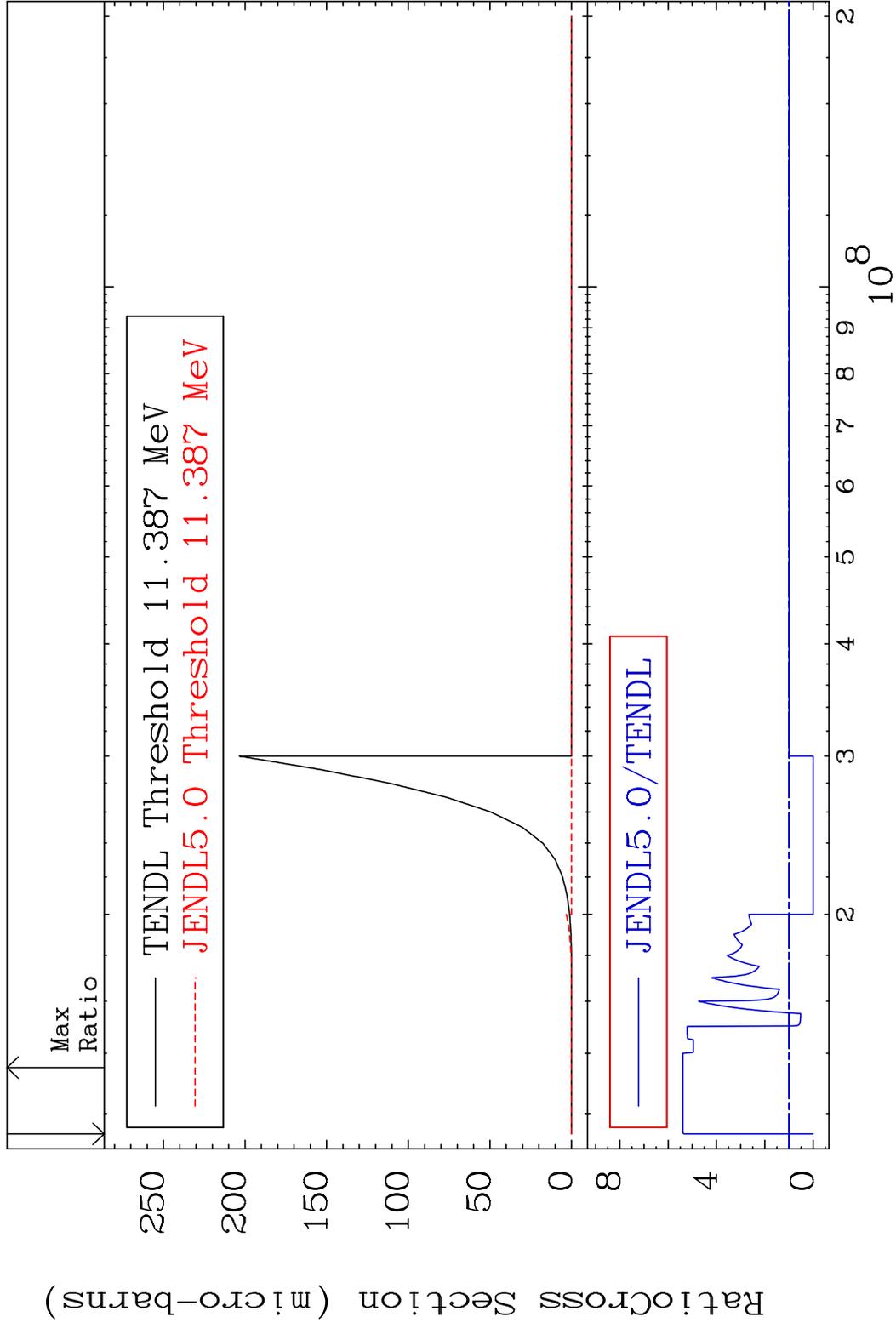
MAT 4228 (n,2p) 42-Mo-93  
 Cross Section -100.0 To 4718. %



MAT 4228 (n,p)  $\alpha$  42-Mo-93  
 Cross Section -100.0 To 4764. %



MAT 4228 (n,p) d 42-Mo-93  
 Cross Section -100.0 To 439.3 %

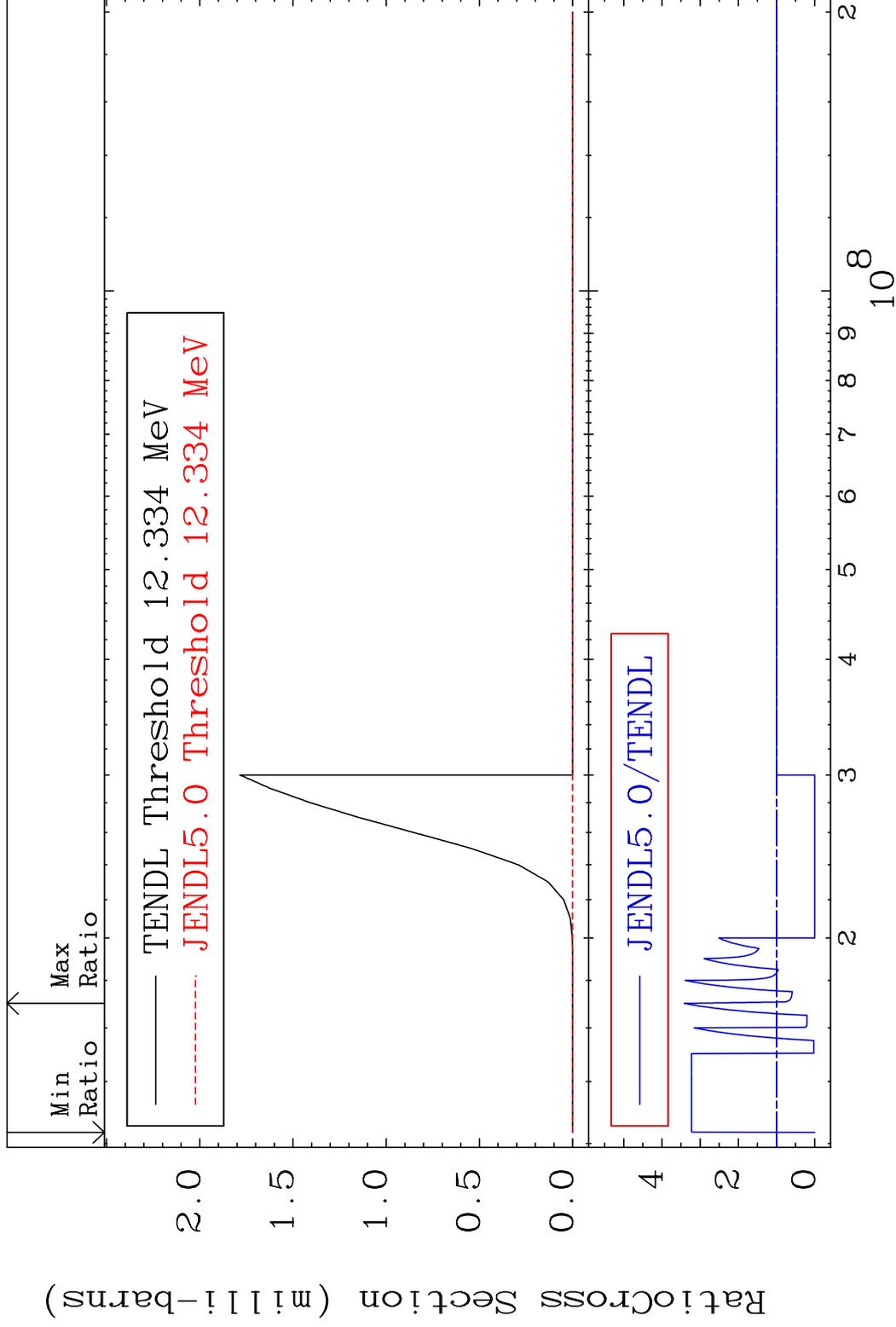


MAT 4228

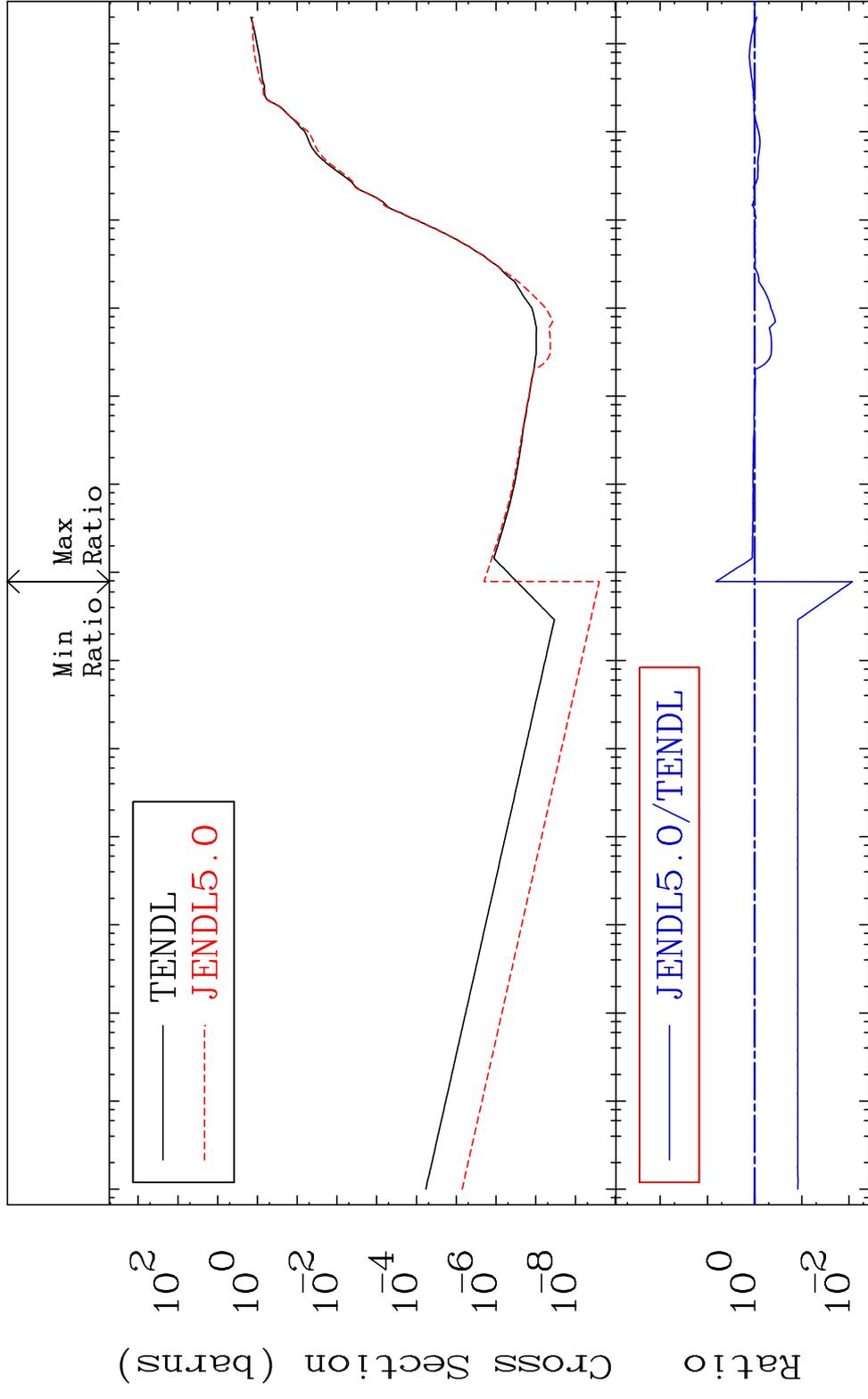
(n,p) t

42-Mo-93

Cross Section -100.0 To 241.8 %



MAT 4228 Hydrogen Production 42-Mo-93  
 Cross Section -99.15 To 563.3 %

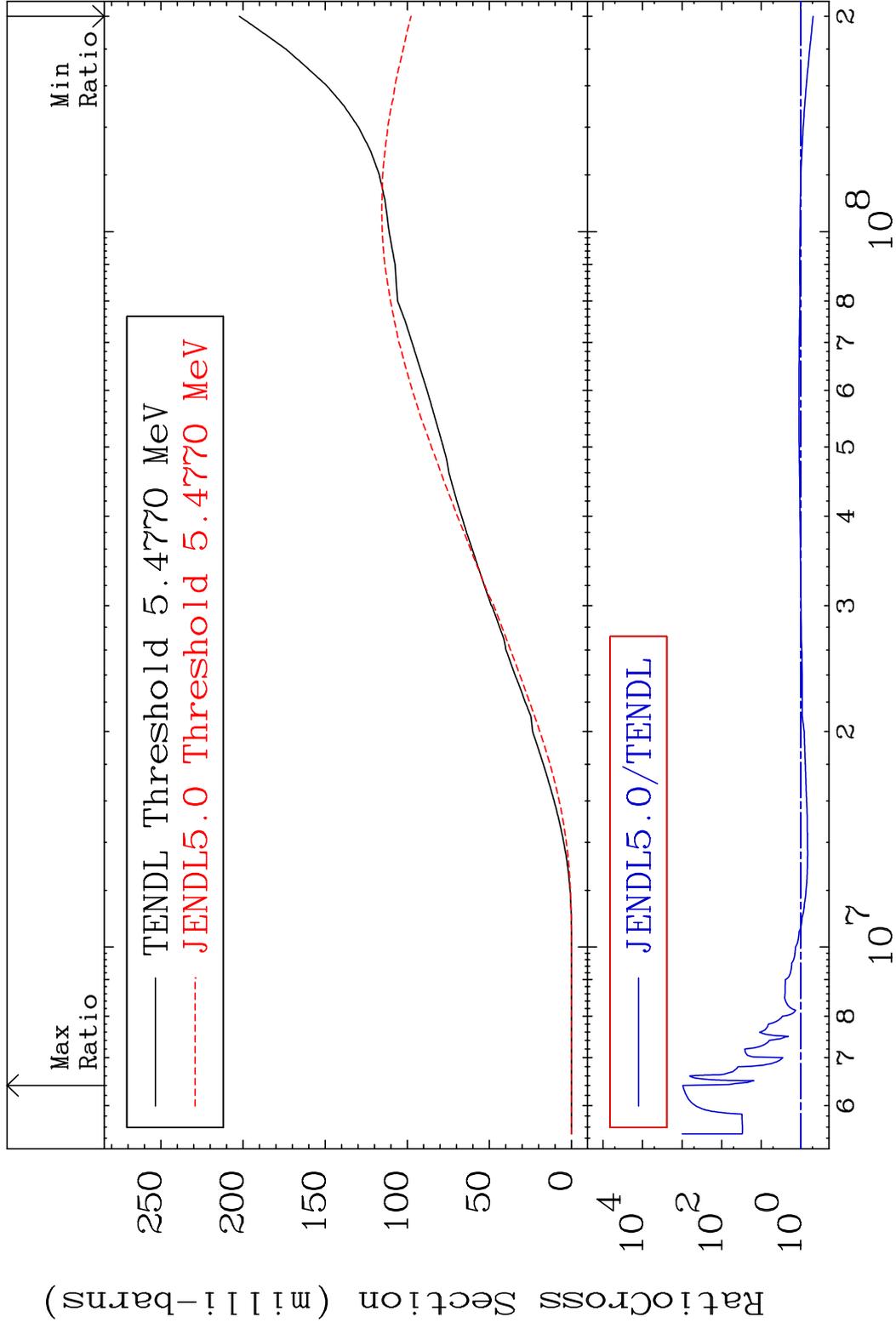


MAT 4228

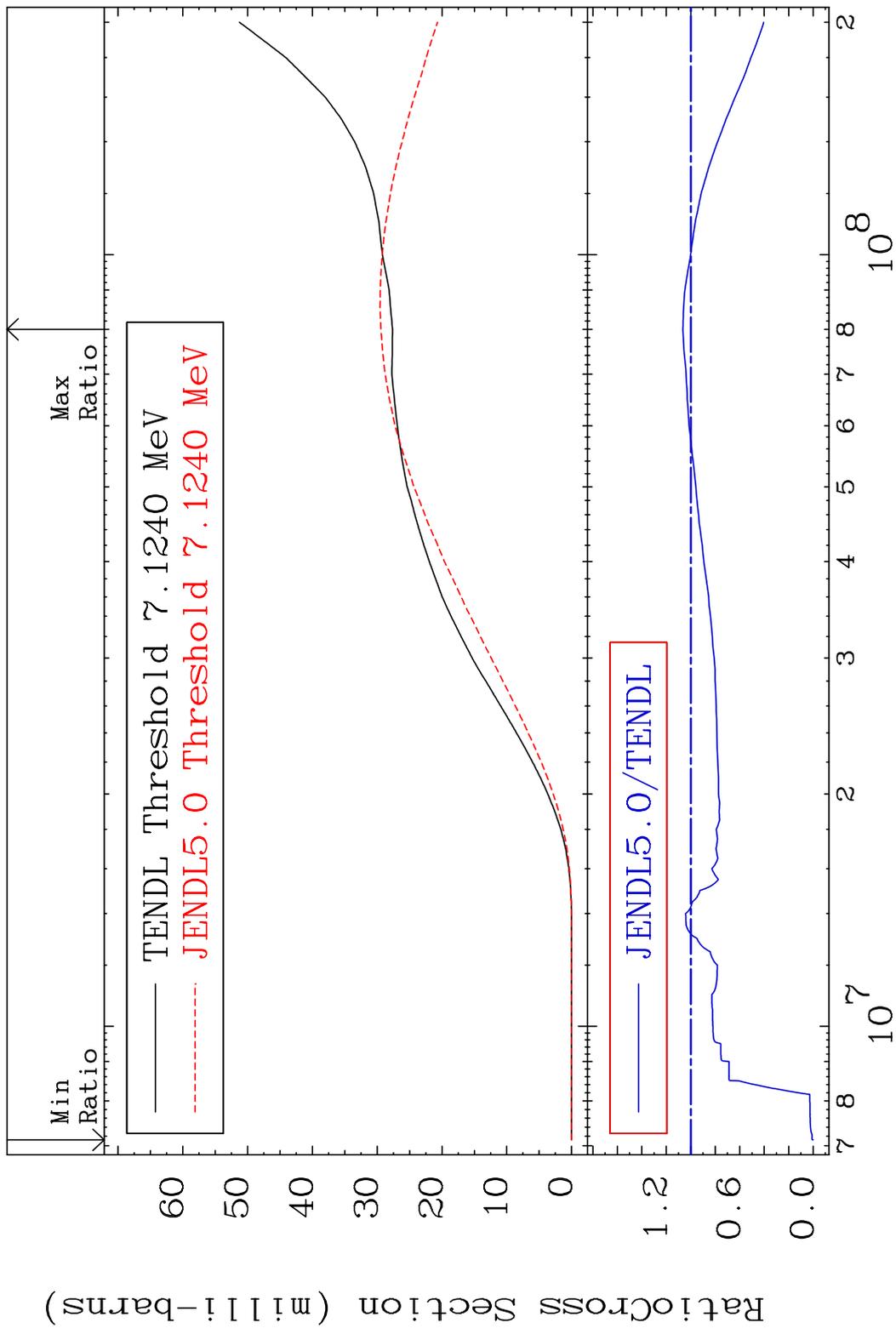
Deuterium Production

42-Mo-93

Cross Section -51.66 To 9999. %



MAT 4228 Tritium Production 42-Mo-93  
 Cross Section -100.0 To 6.478 %



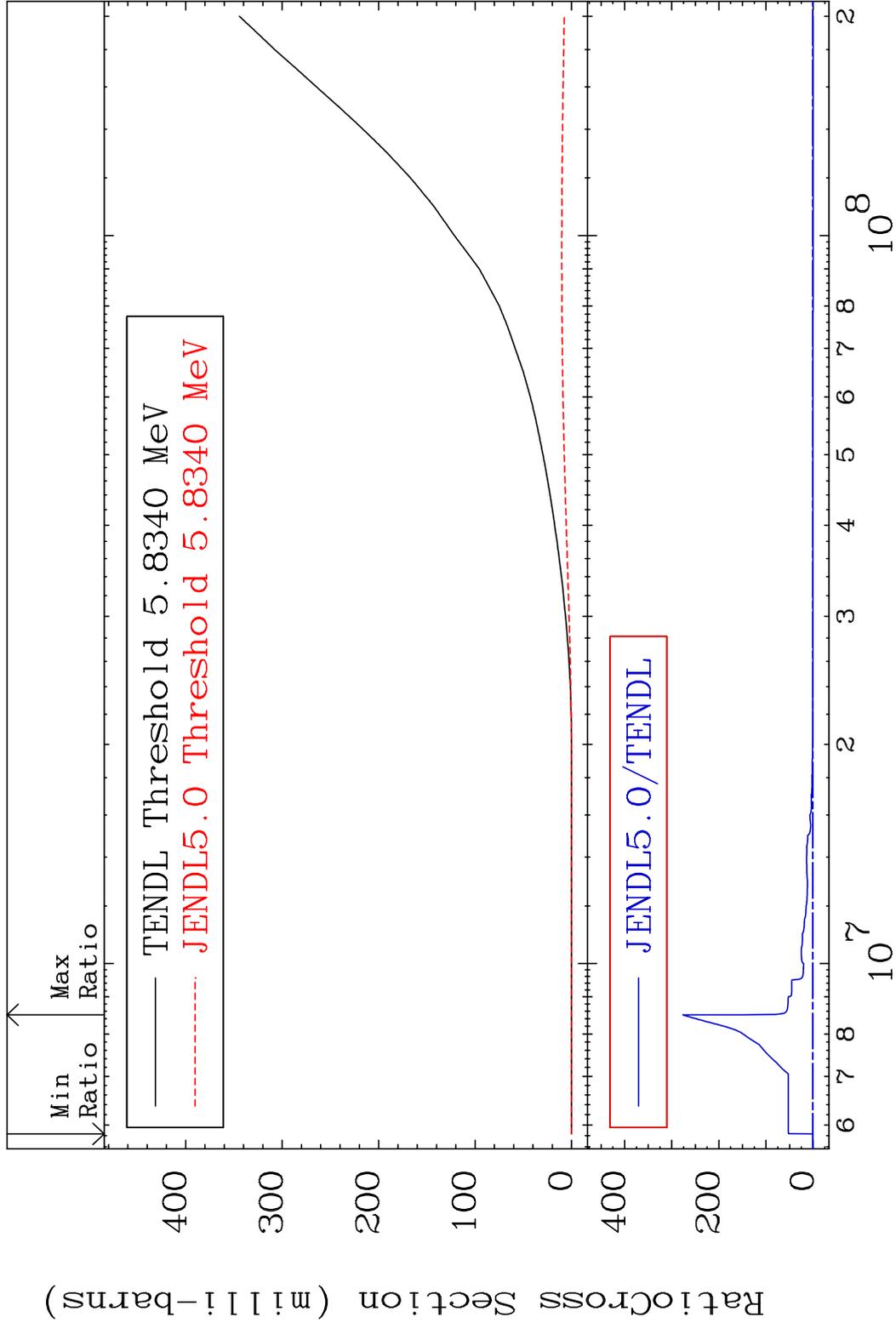
40 42-Mo-93

MAT 4228

He-3 Production

42-Mo-93

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

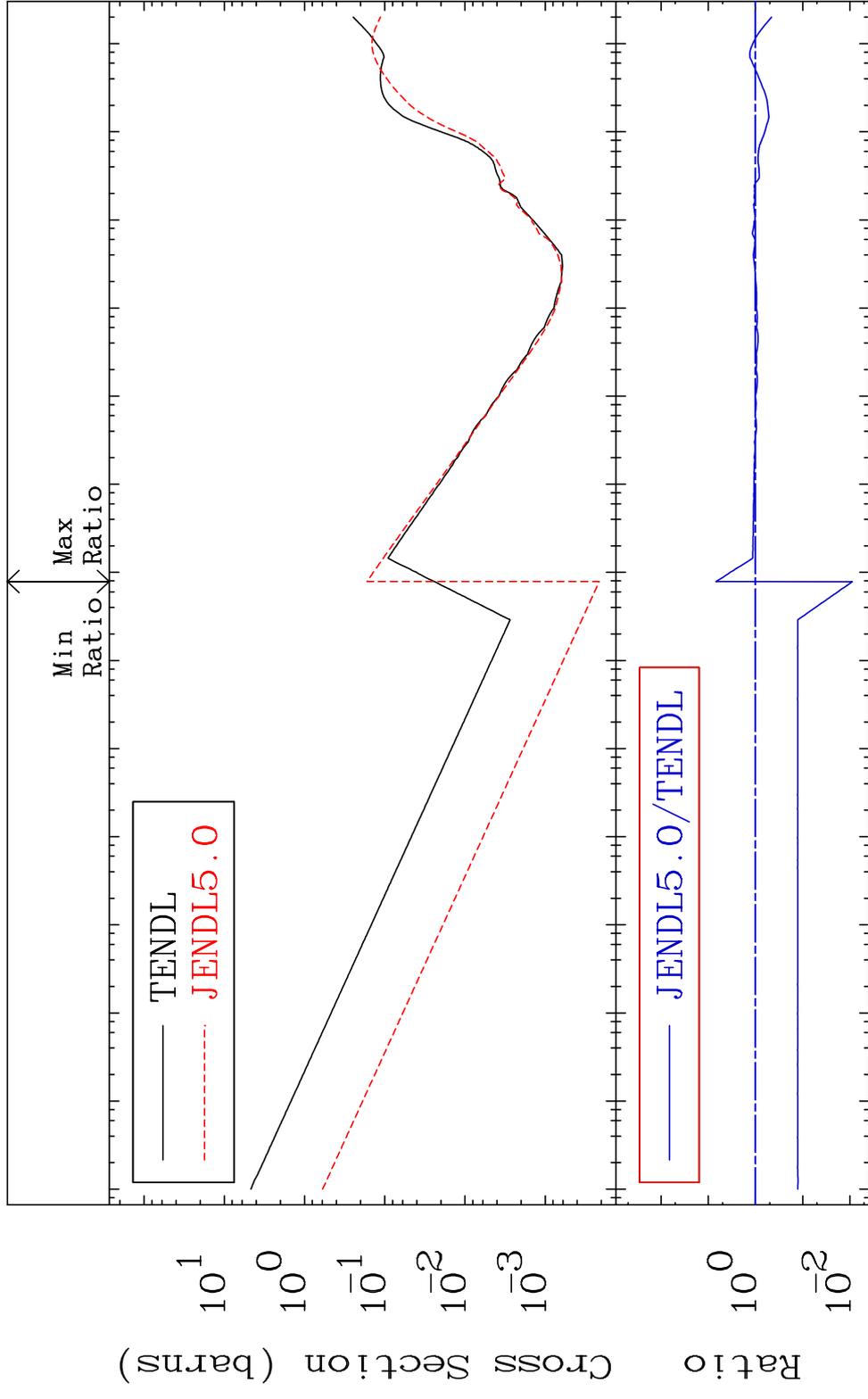
42-Mo-93

MAT 4228

He-4 Production

42-Mo-93

Cross Section -99.12 To 590.9 %

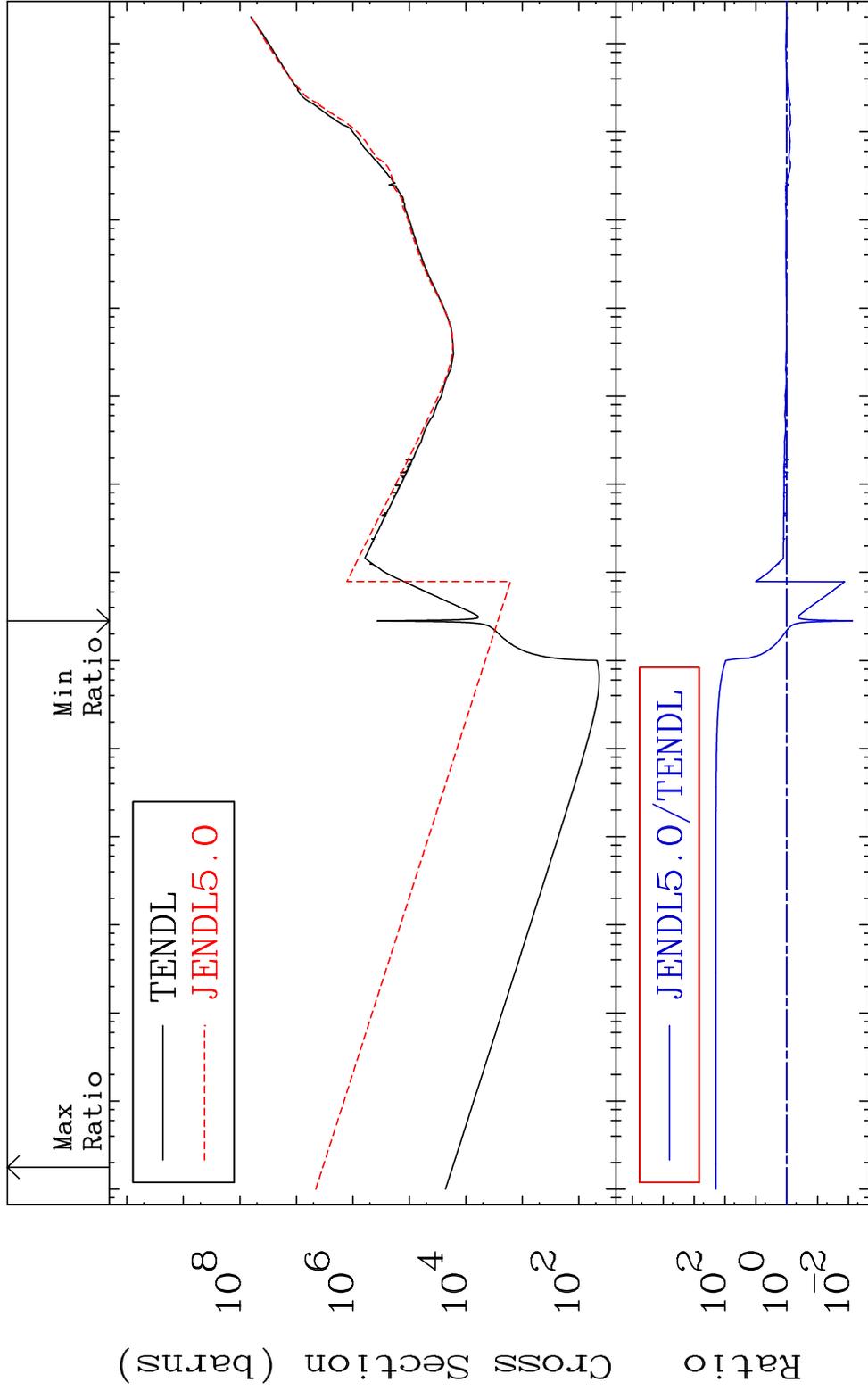


42

Incident Energy (eV)

42-Mo-93

MAT 4228 Kerma total (eV-barns) 42-Mo-93  
 Cross Section -99.25 To 9999. %



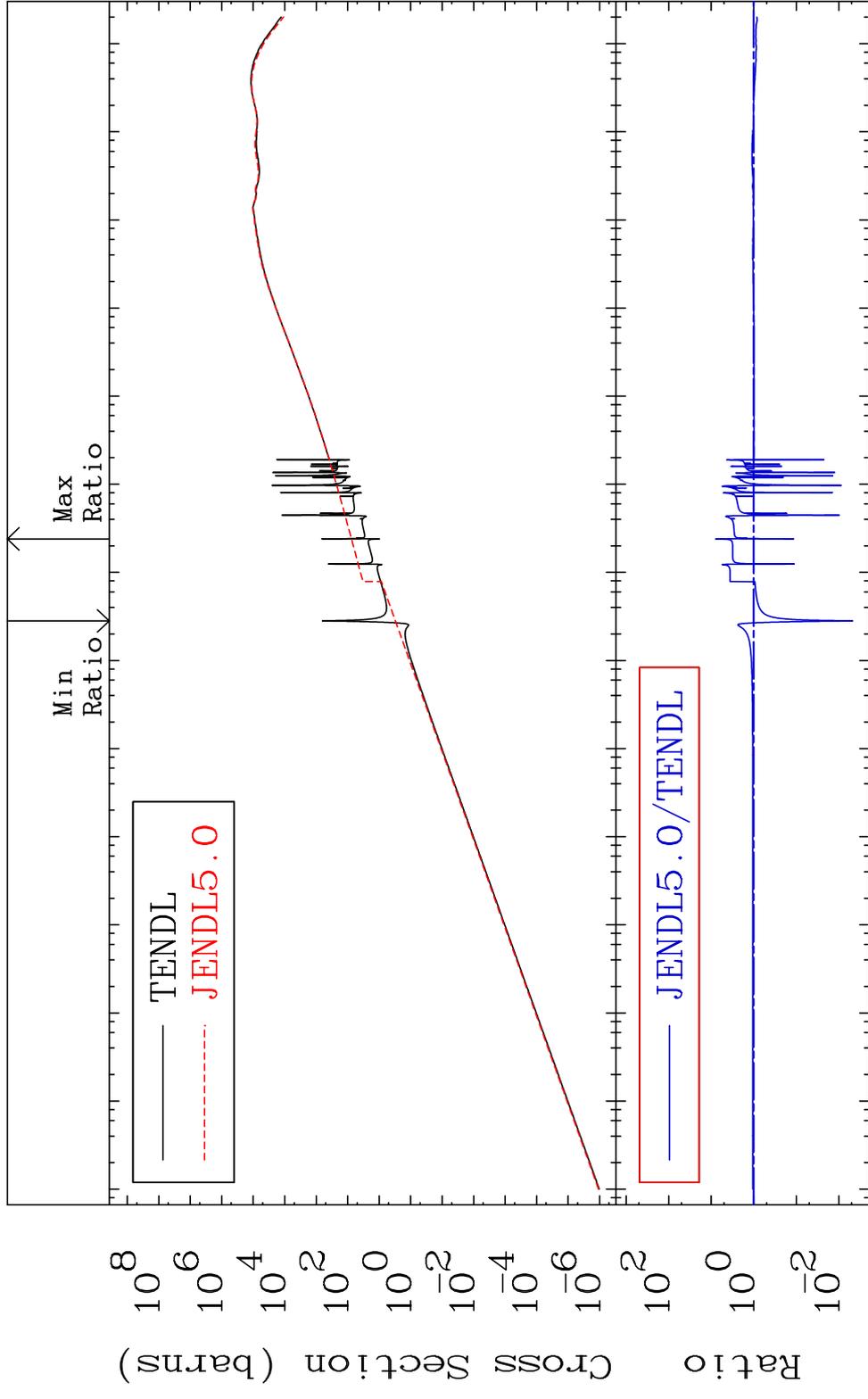
43 Incident Energy (eV) 42-Mo-93

MAT 4228

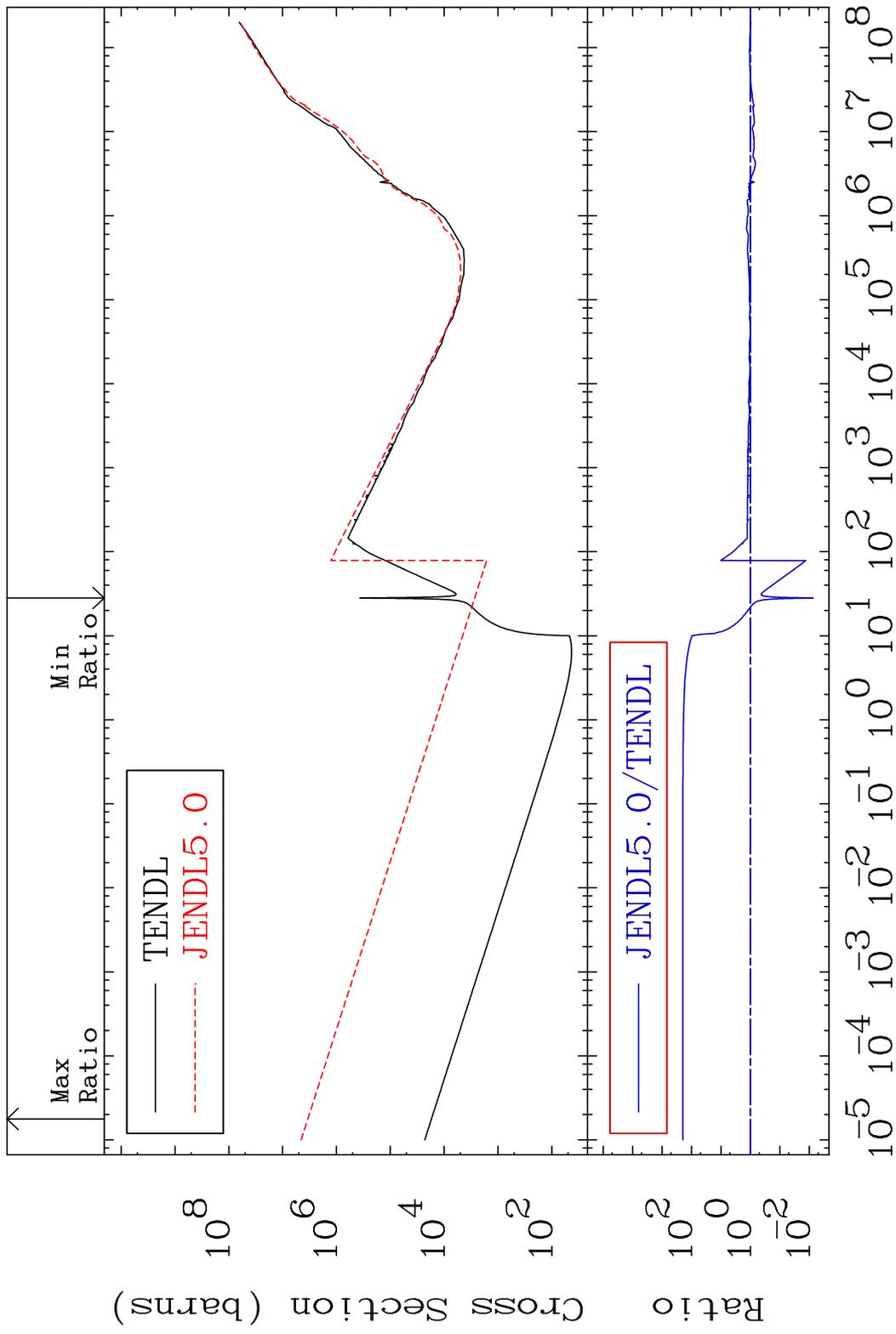
Kerma elastic  
Cross Section

42-Mo-93

-99.52 To 678.0 %

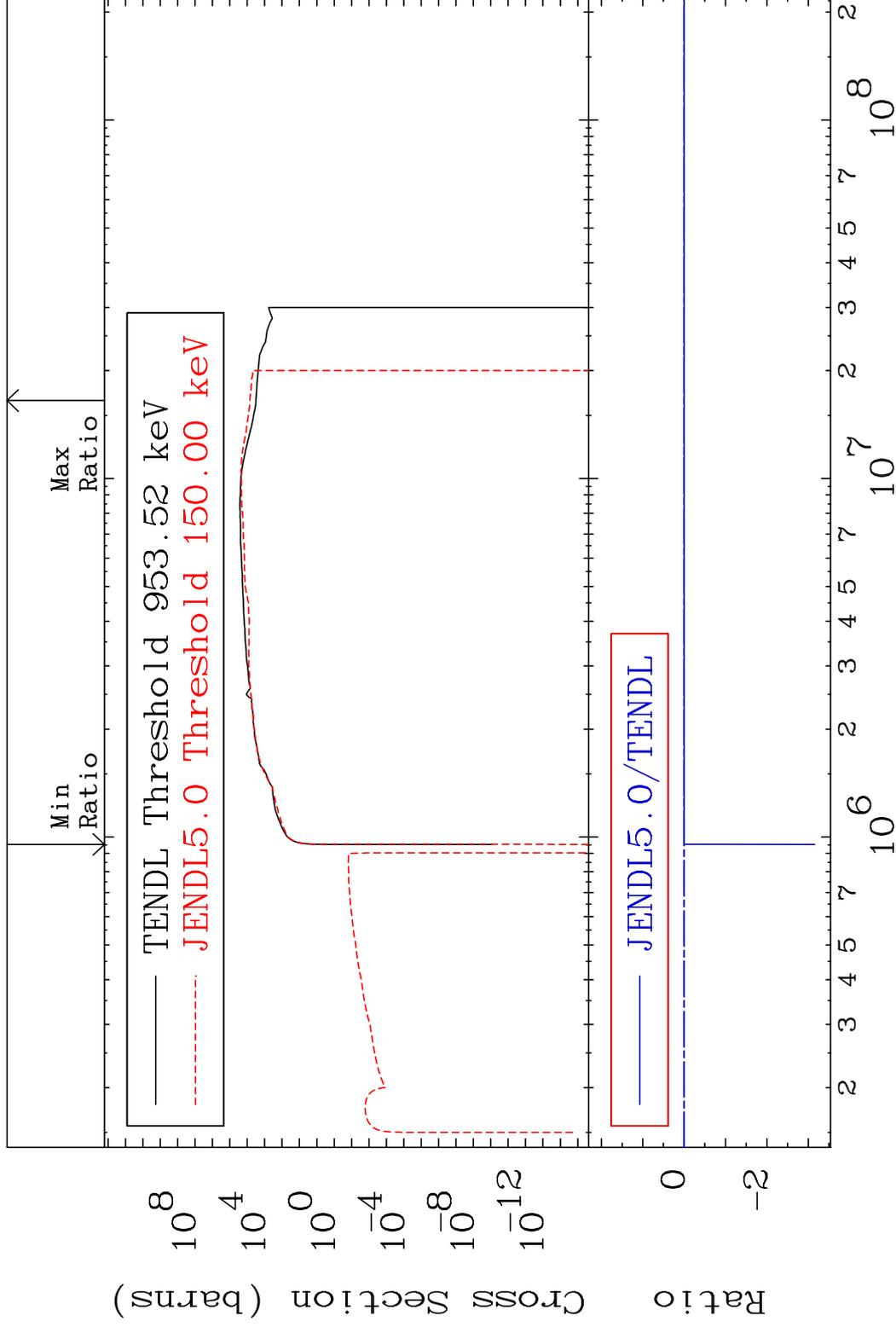


MAT 4228 Kerma non-elastic (all but mt2) 42-Mo-93  
 Cross Section -99.25 To 9999. %



MAT 4228

Kerma inelastic (mt51-91) 42-Mo-93  
Cross Section -9999. To 125.1 %

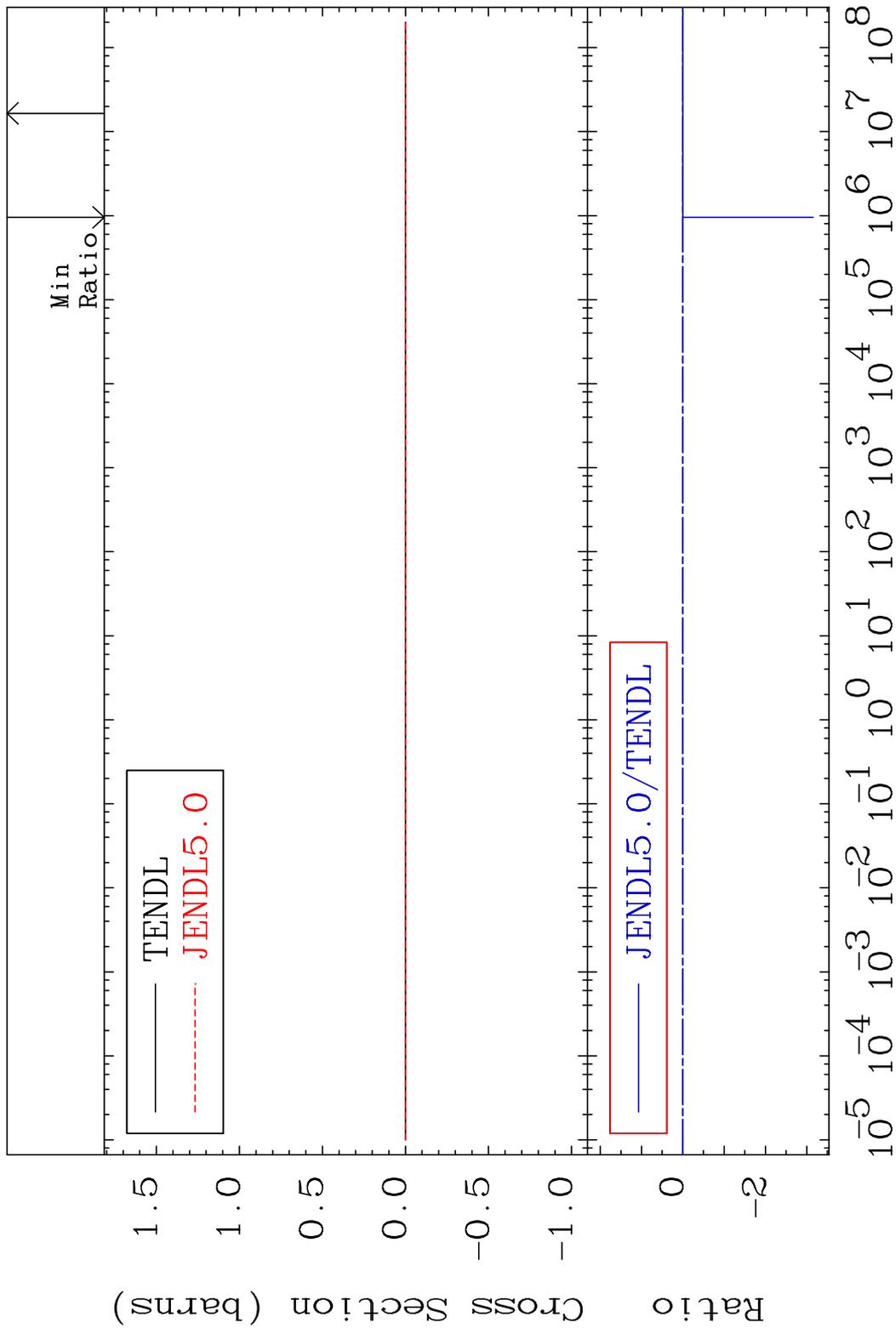


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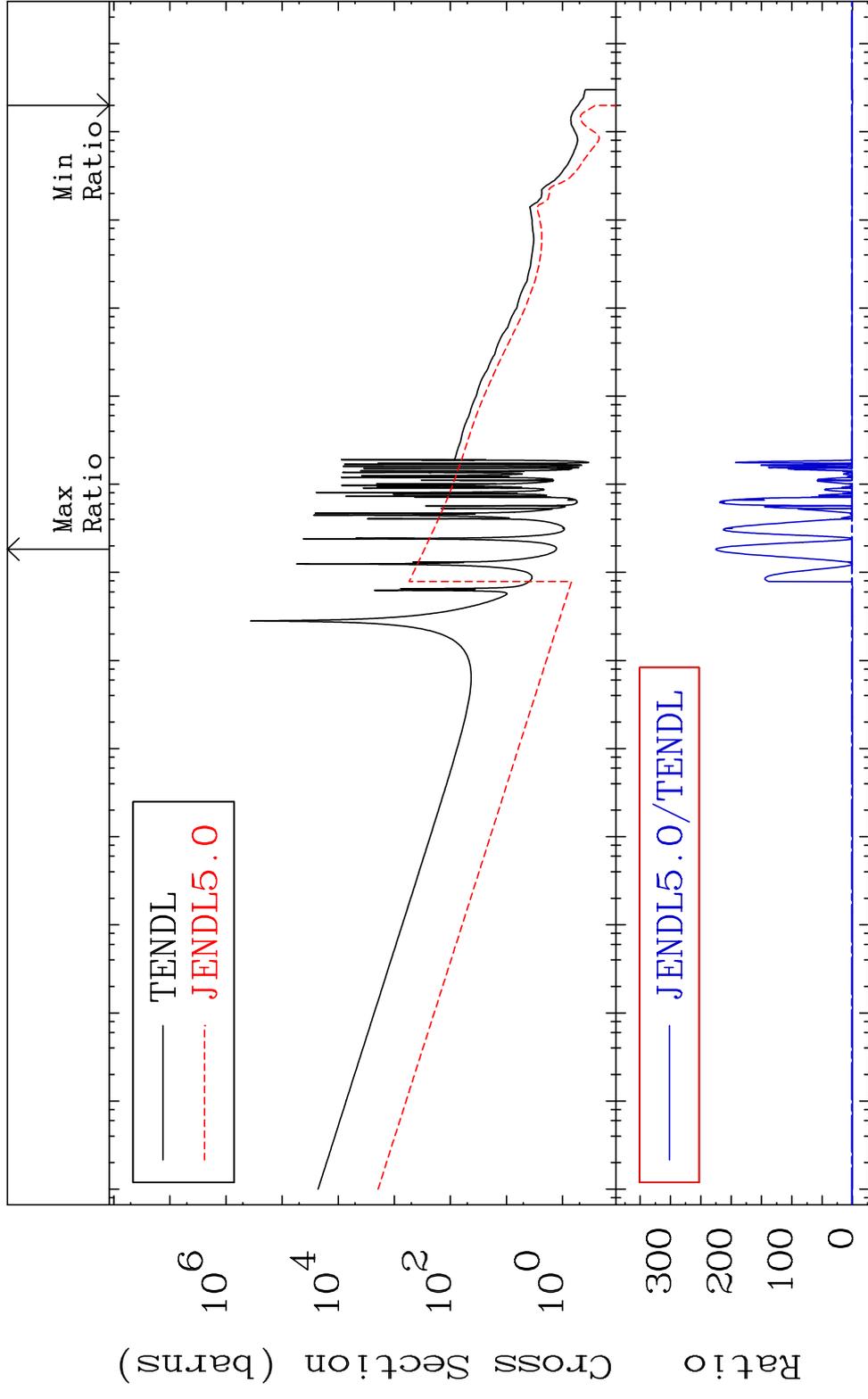
Incident Energy (eV)

42-Mo-93

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

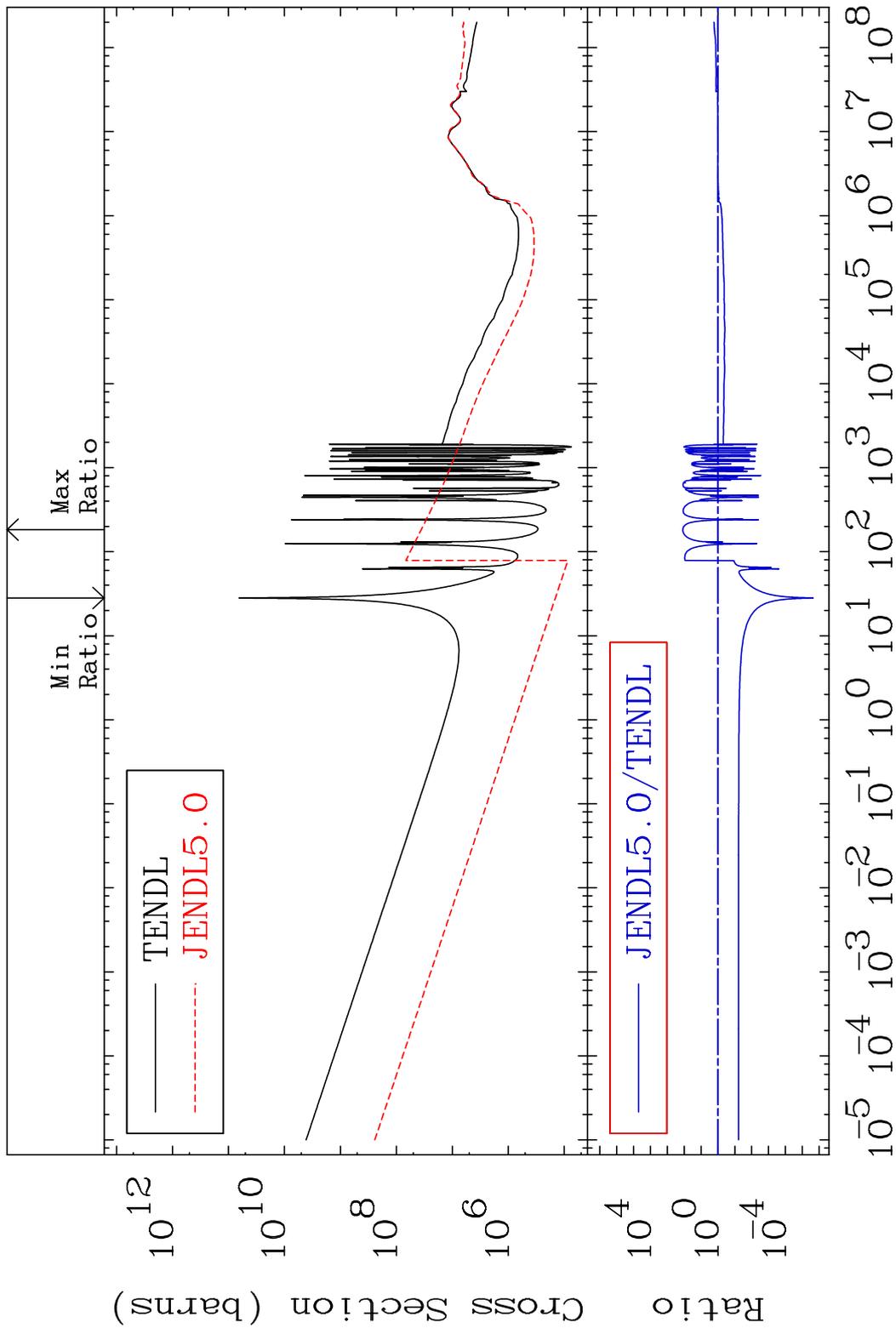


MAT 4228 Kerma capture (mt102) 42-Mo-93  
 Cross Section -100.0 To 9999. %

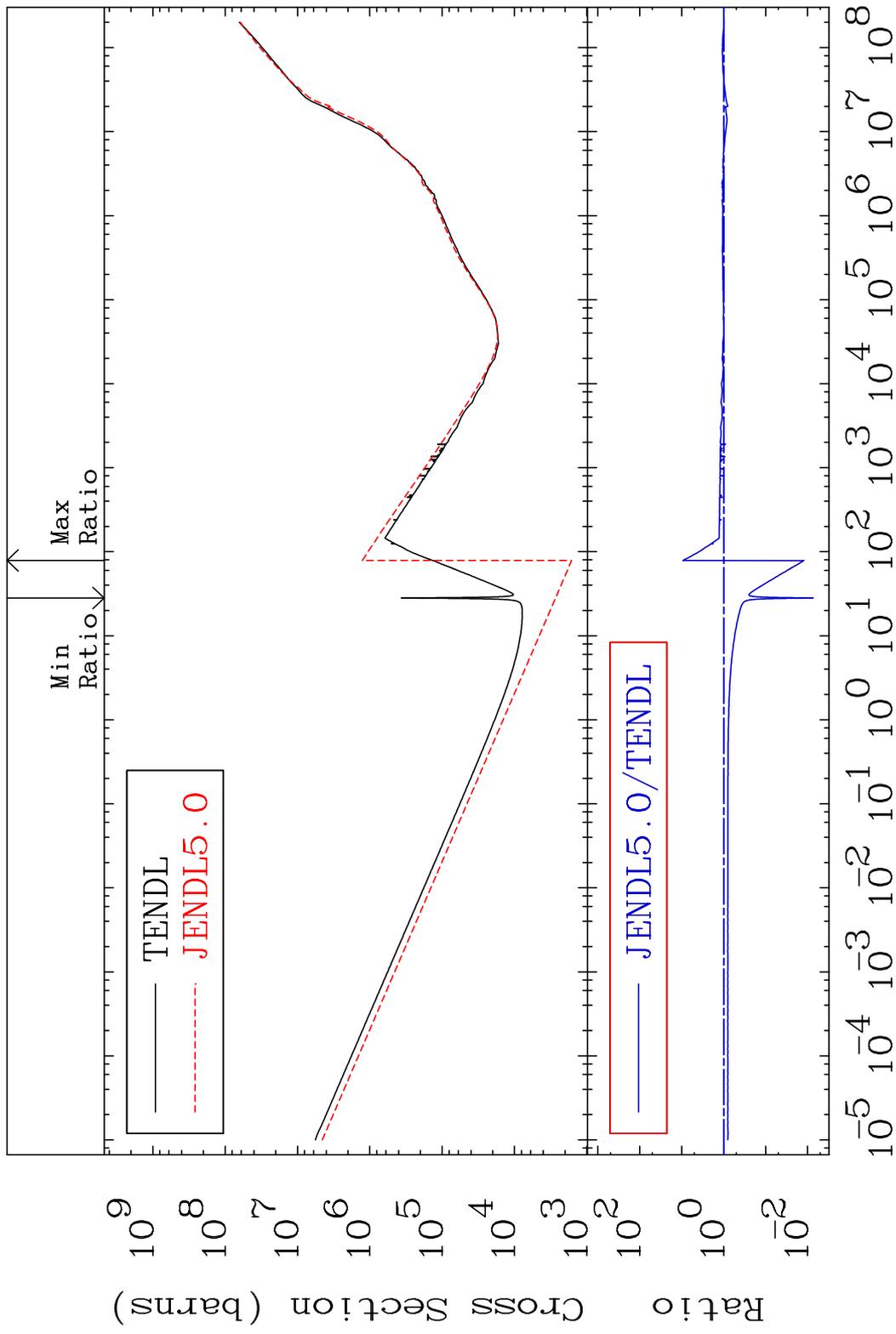


48 Incident Energy (eV) 42-Mo-93

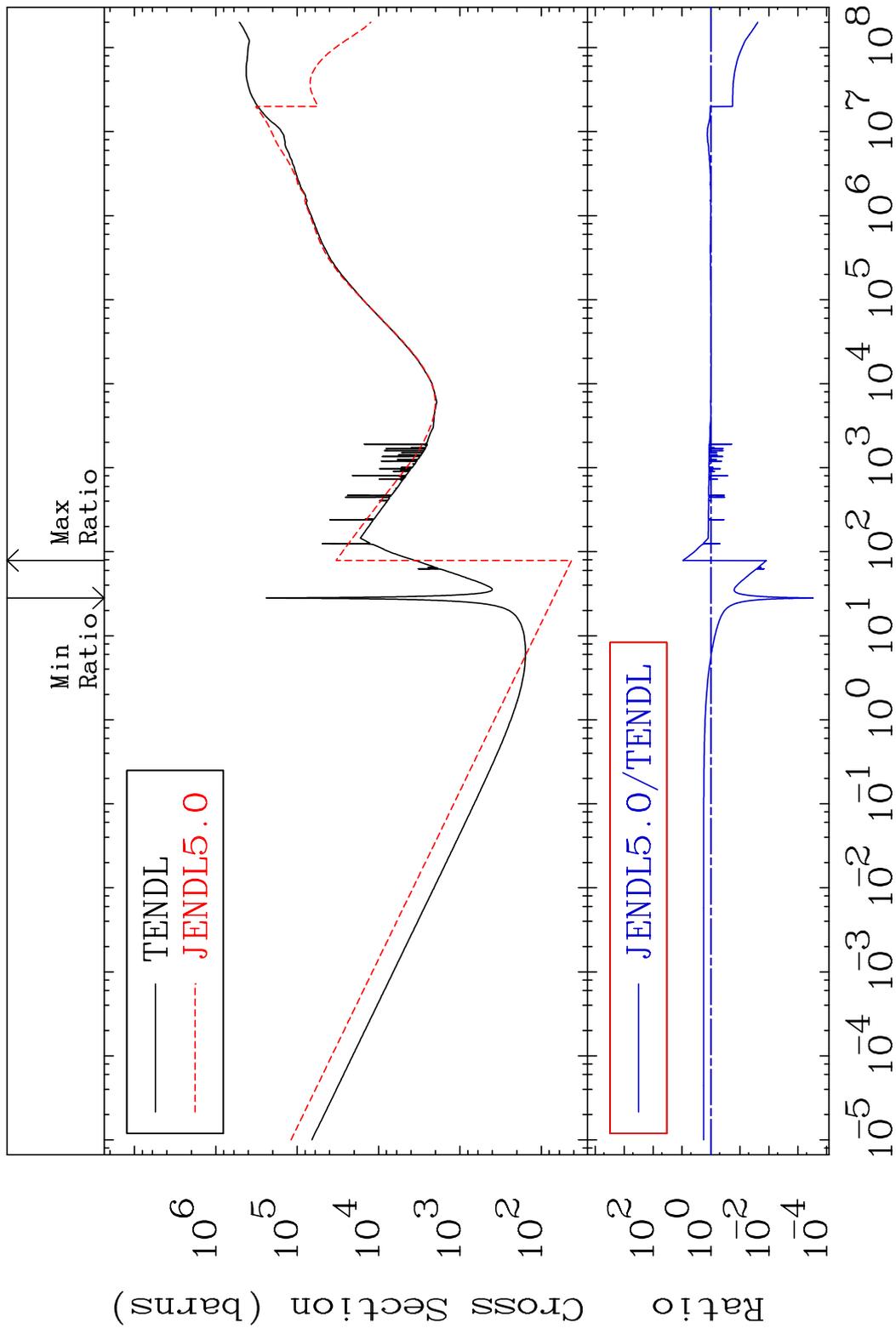
MAT 4228 Total photon (eV-barns) 42-Mo-93  
 Cross Section -100.0 To 9999. %



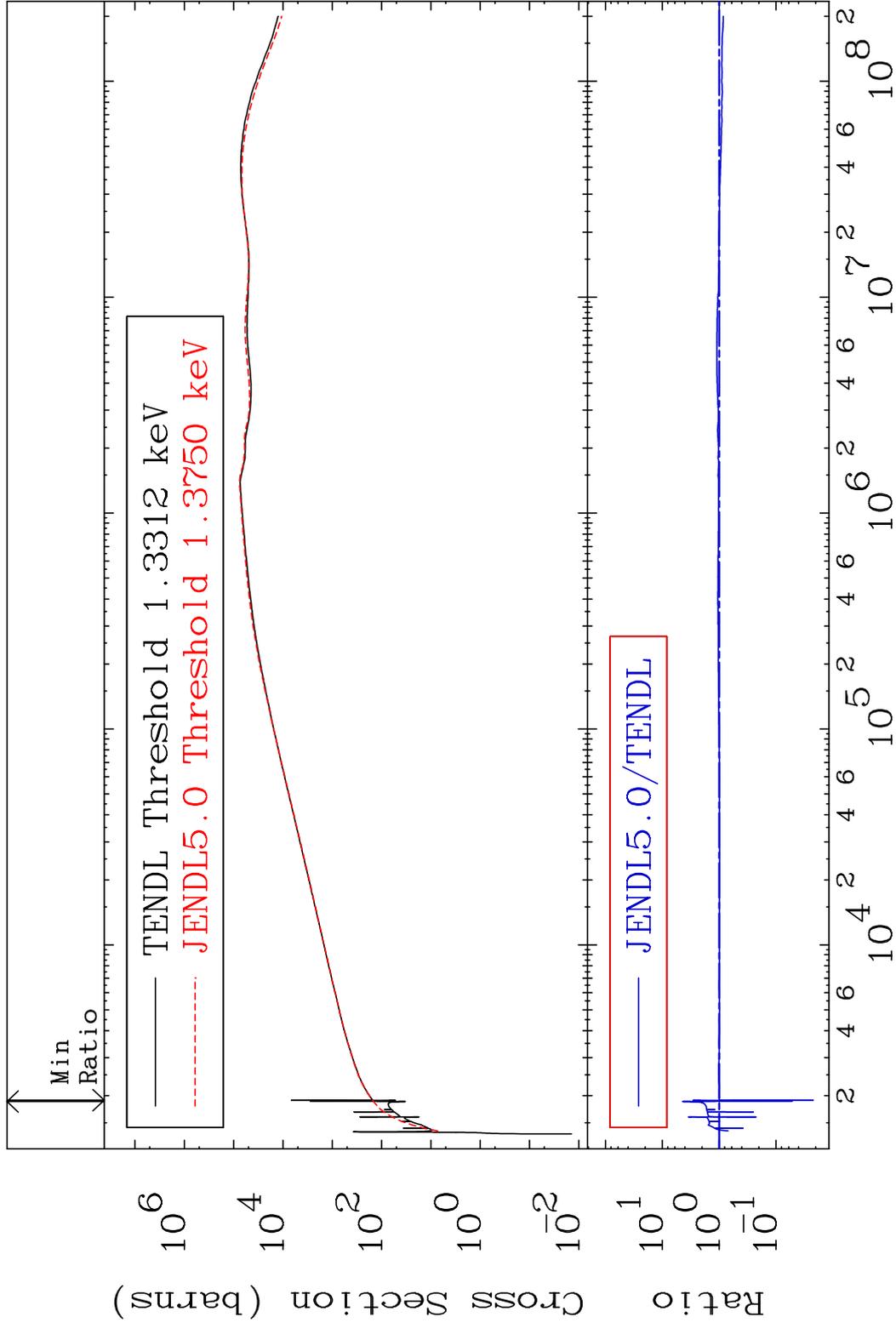
MAT 4228 Total kinematic kerma (high limit) 42-Mo-93  
Cross Section -99.26 To 839.9 %



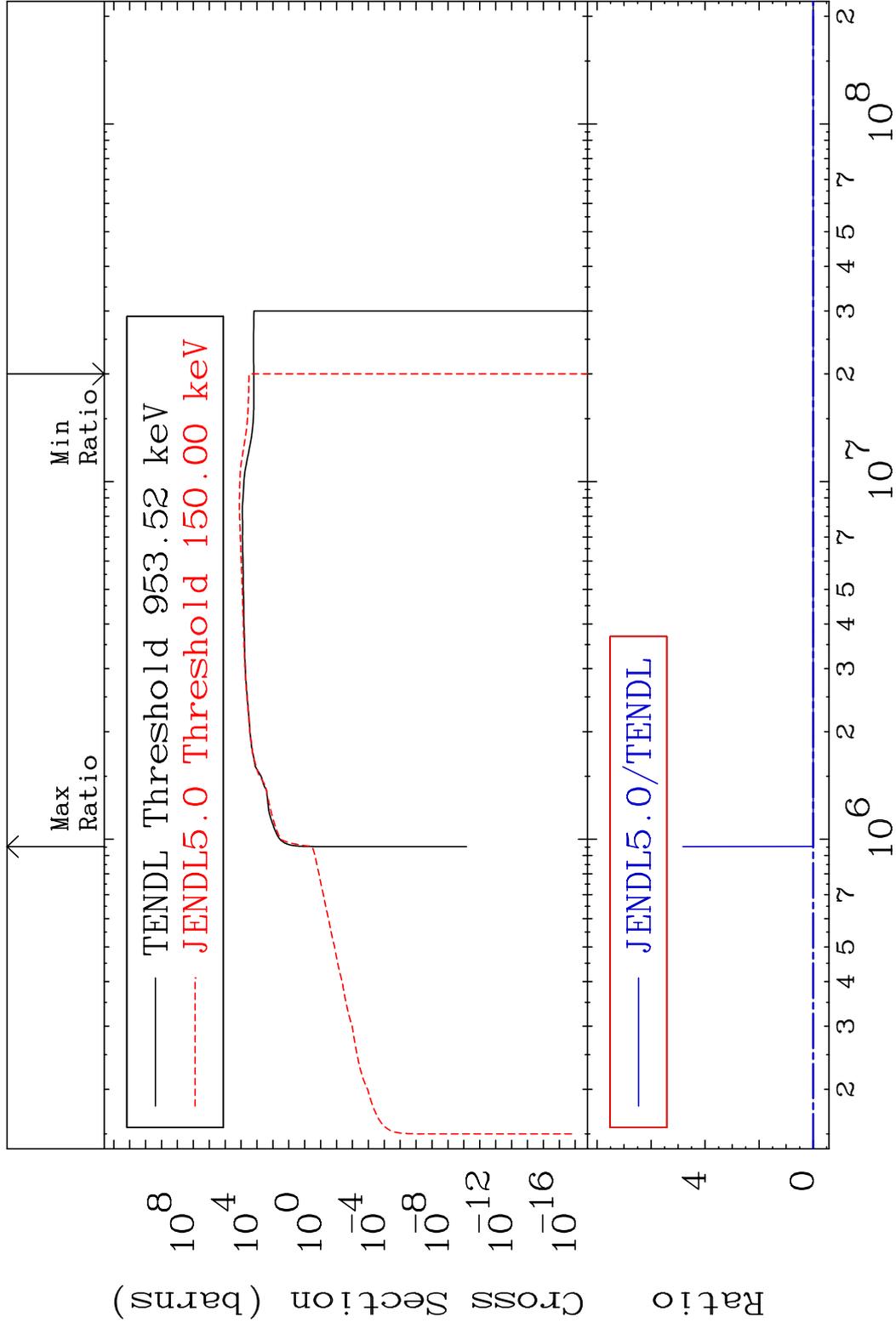
MAT 4228 Dpa total (eV-barns) 42-Mo-93  
 Cross Section -99.97 To 839.9 %



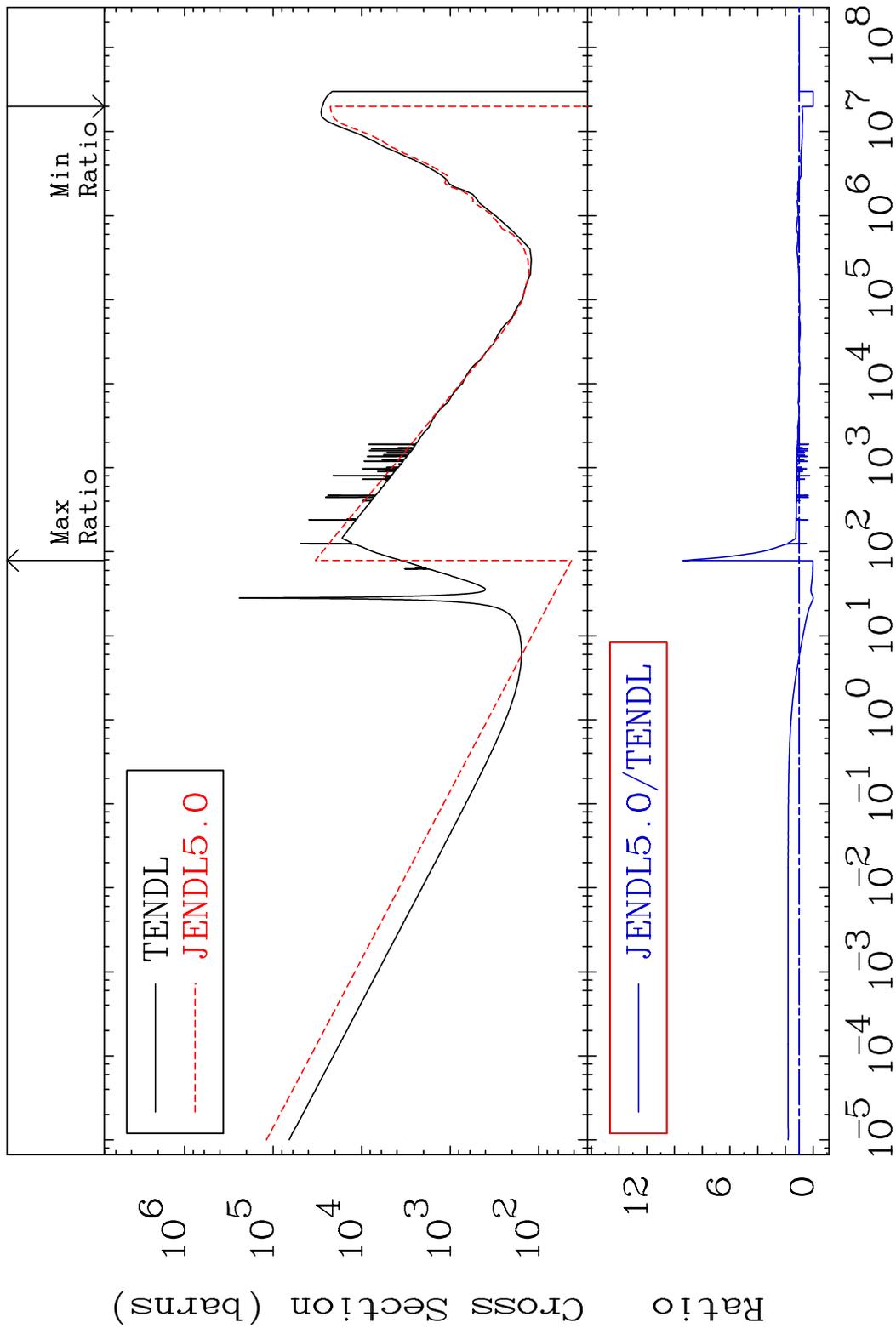
MAT 4228      Dpa elastic (mt2)      42-Mo-93  
 Cross Section      -97.777 To 336.0 %

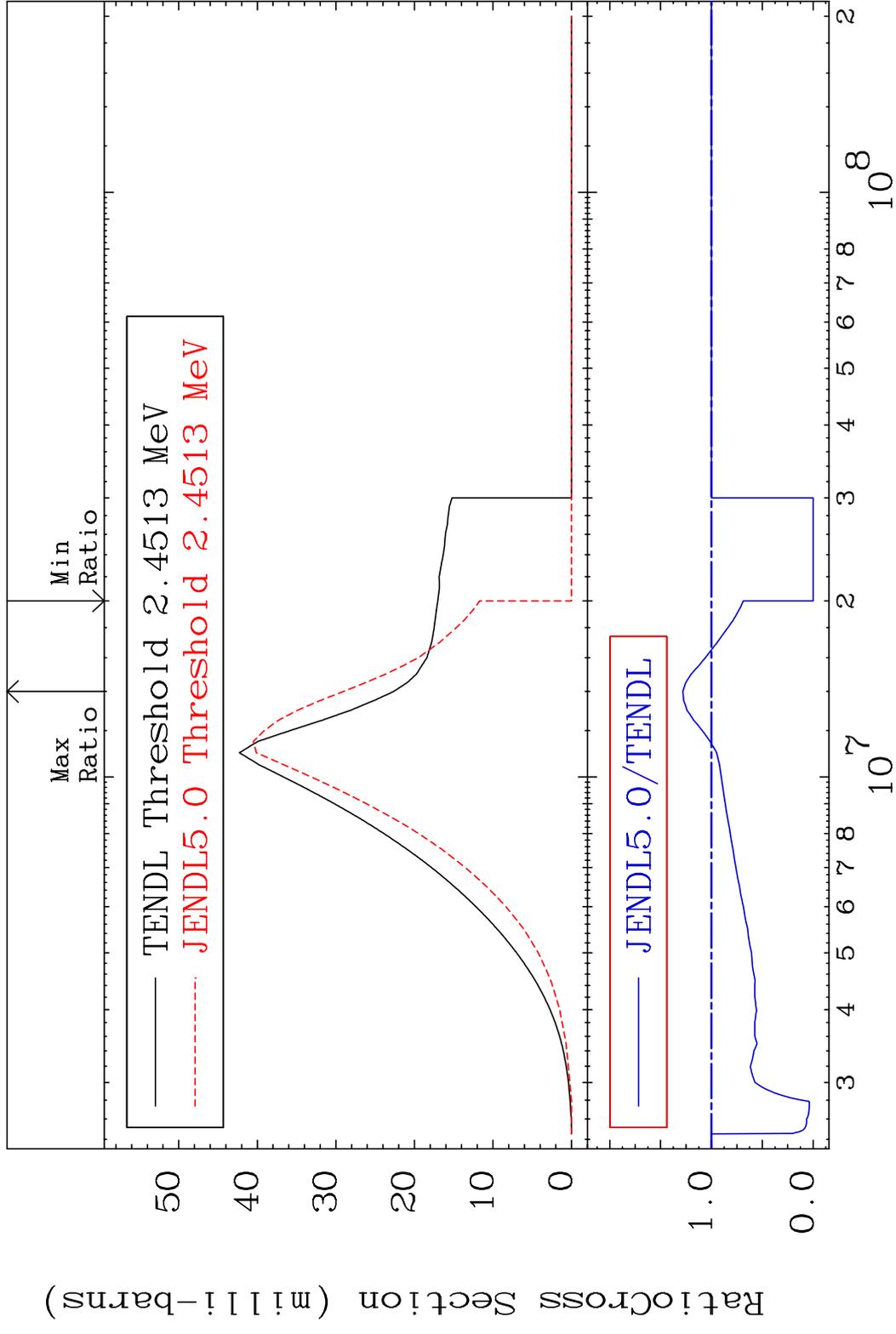


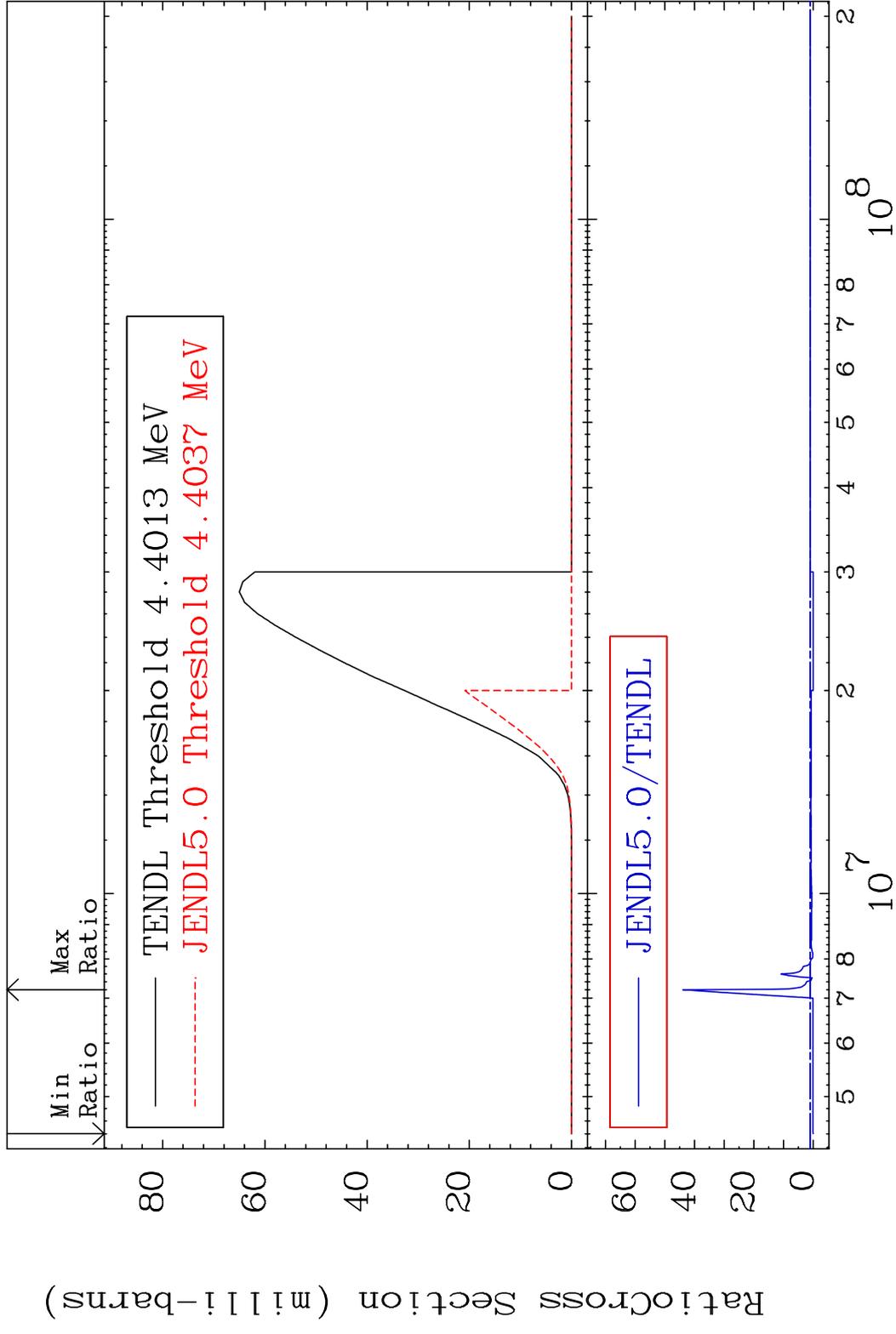
Cross Section -100.0 To 9999. %

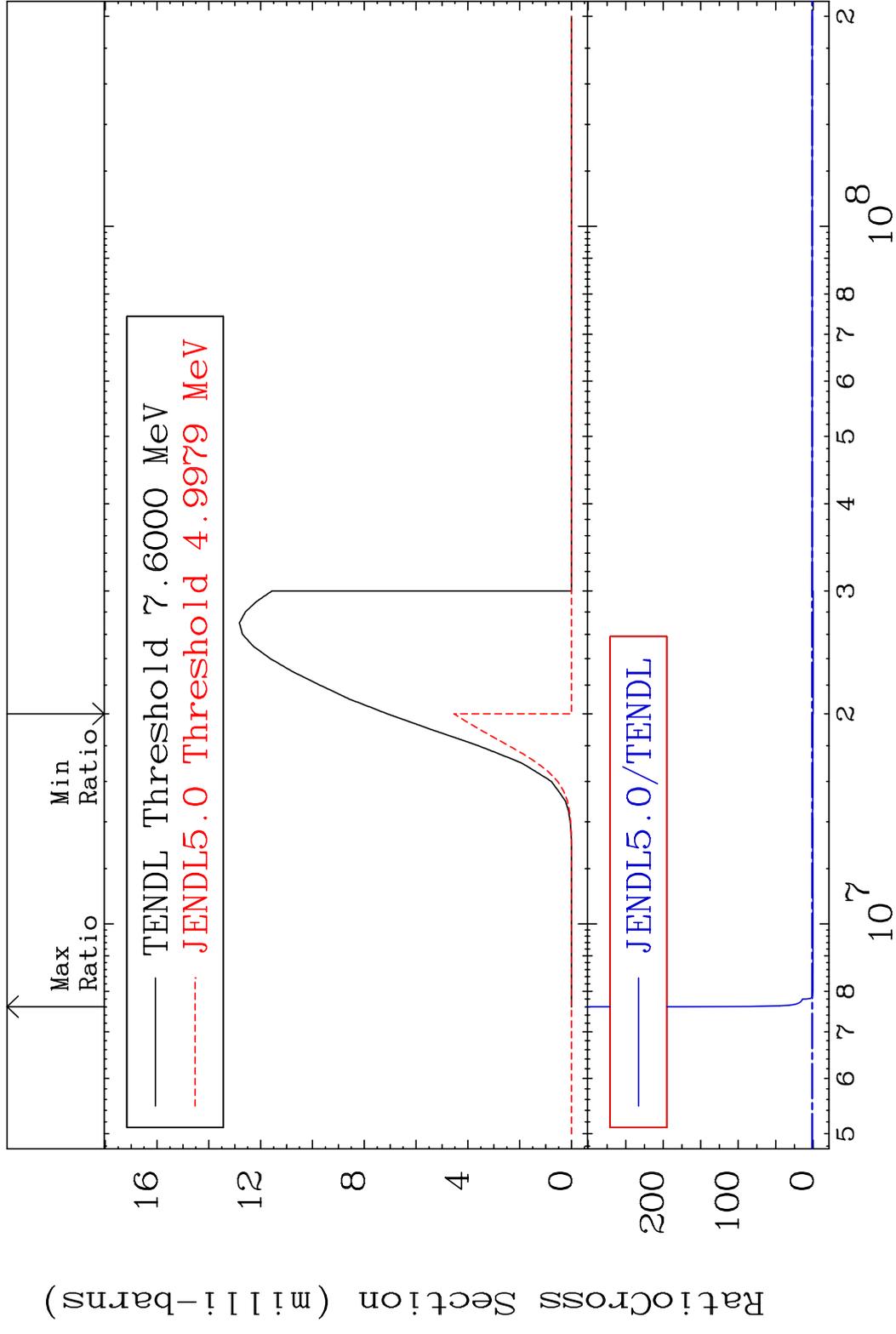


MAT 4228 Dpa disappearance (mt102 -120) 42-Mo-93  
 Cross Section -100.0 To 839.9 %

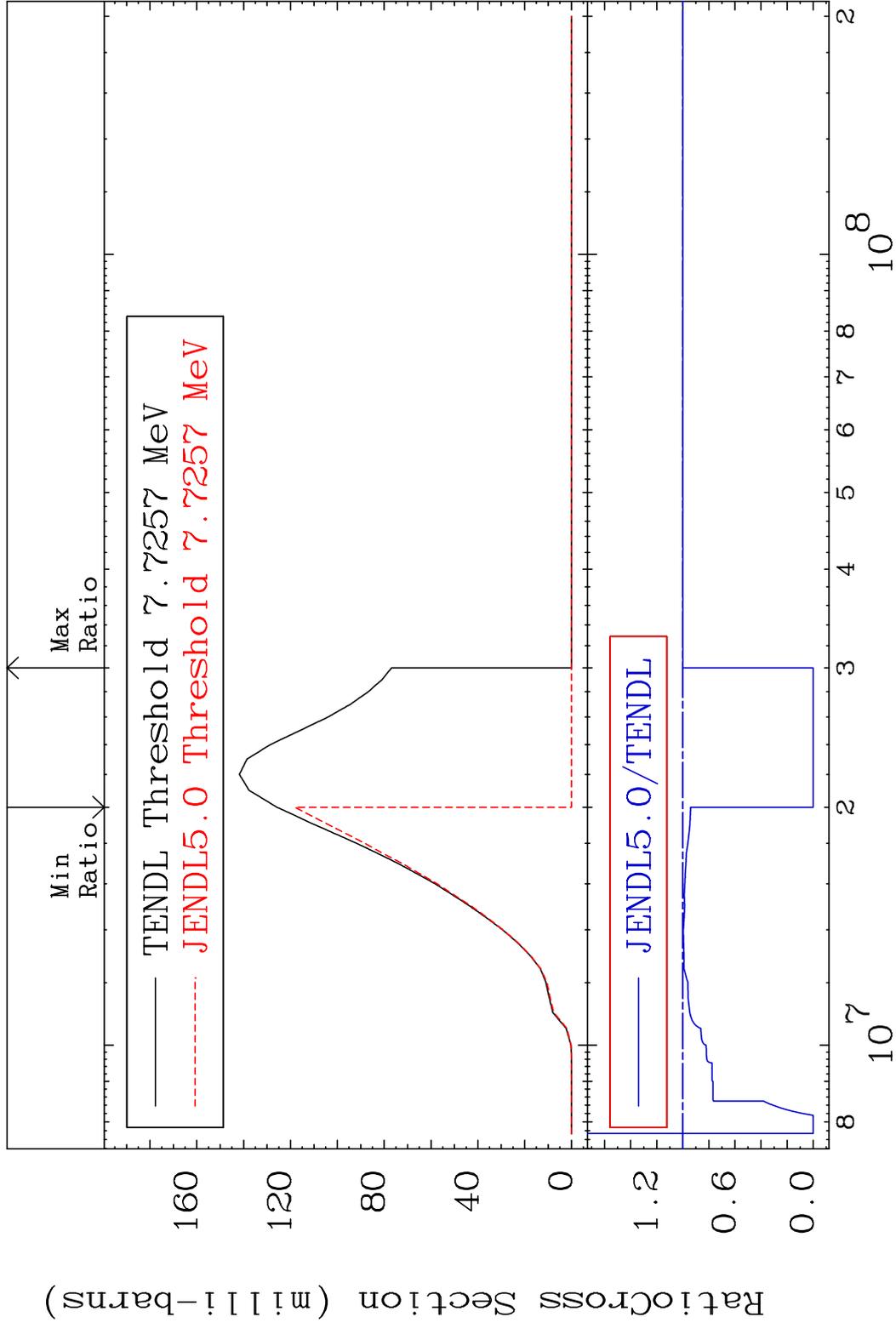


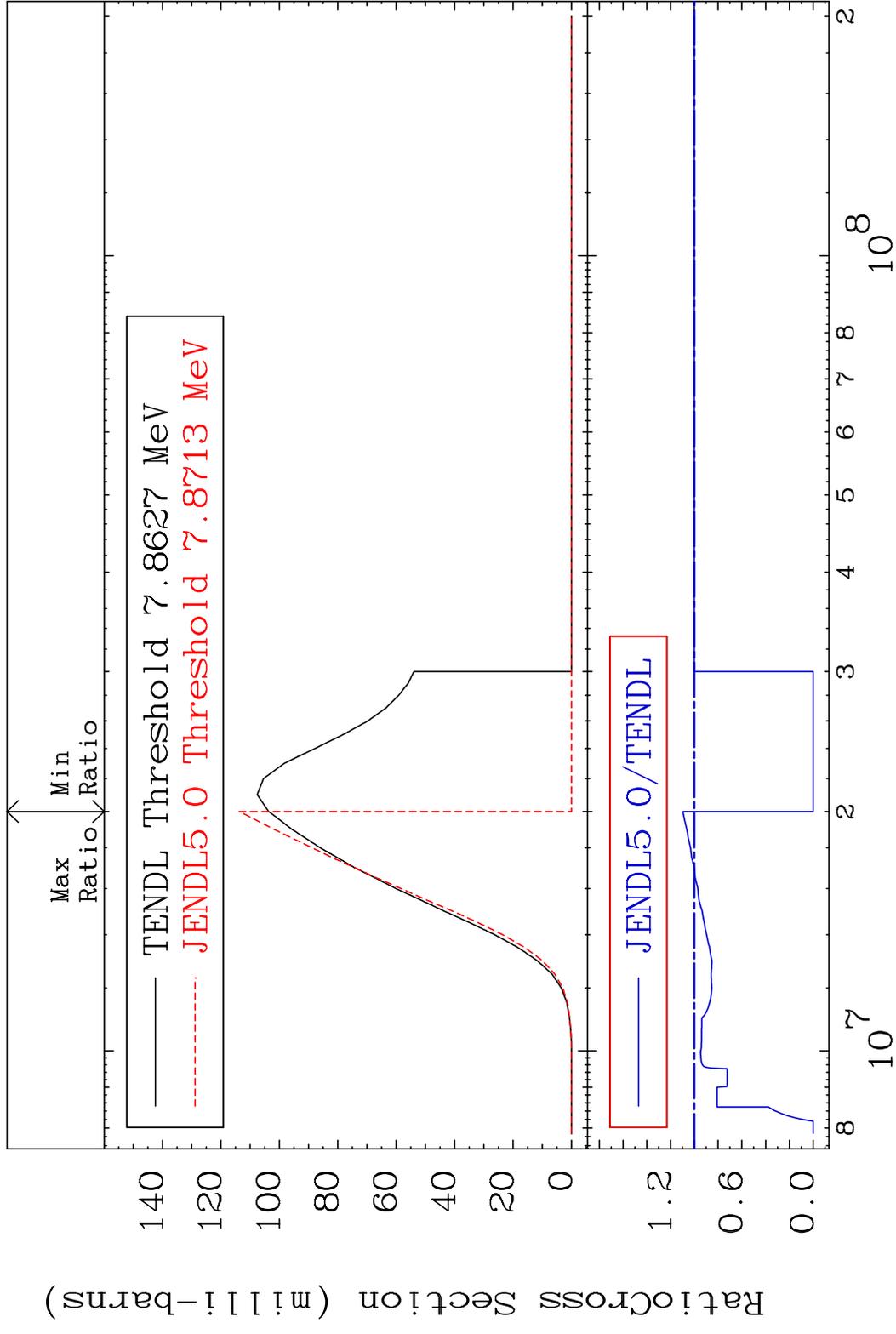


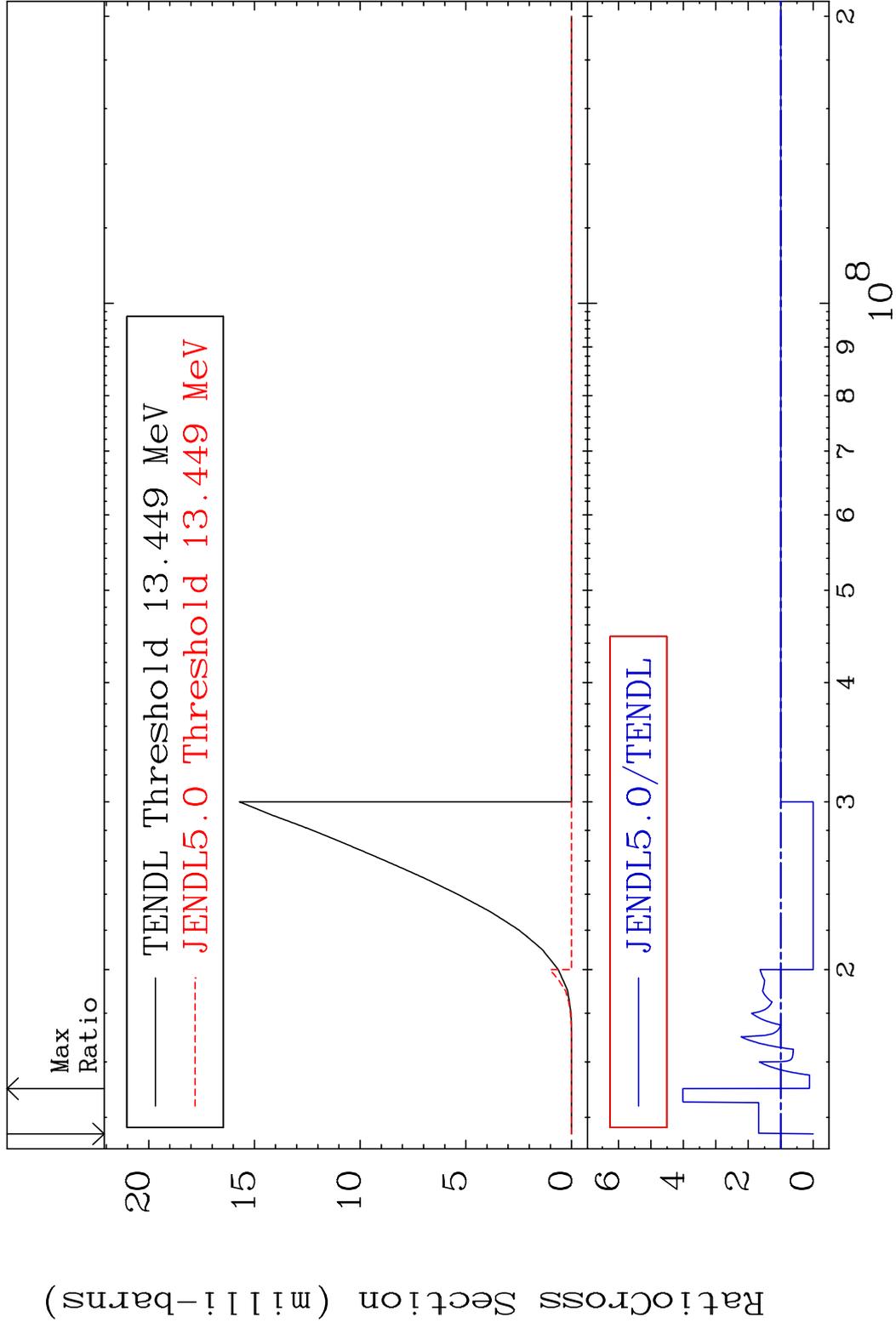




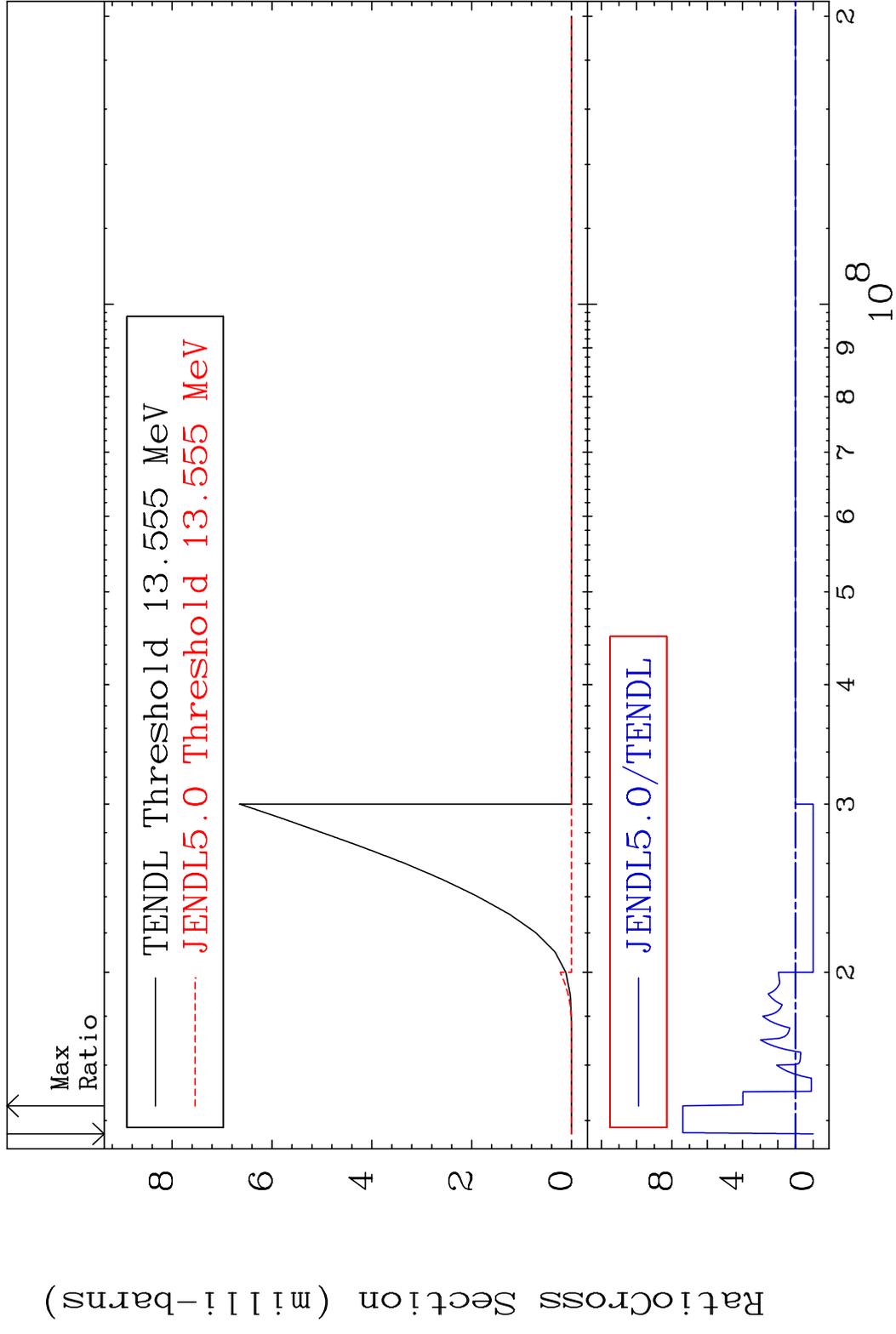
MAT 4228 (n, n') p:41-Nb-92g 42-Mo-93  
 Radionuclide Production Cross Section Ratio 0.000 %



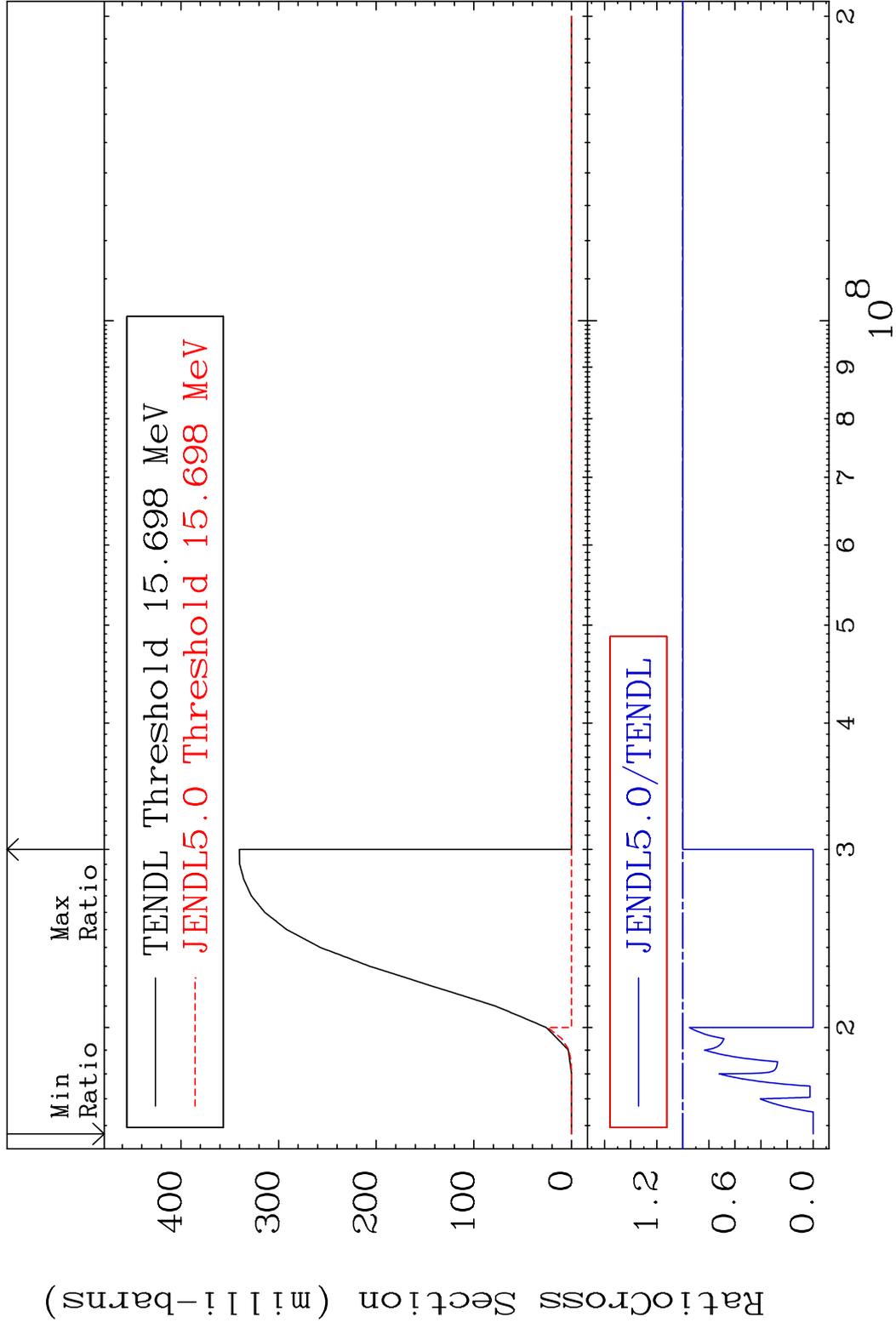




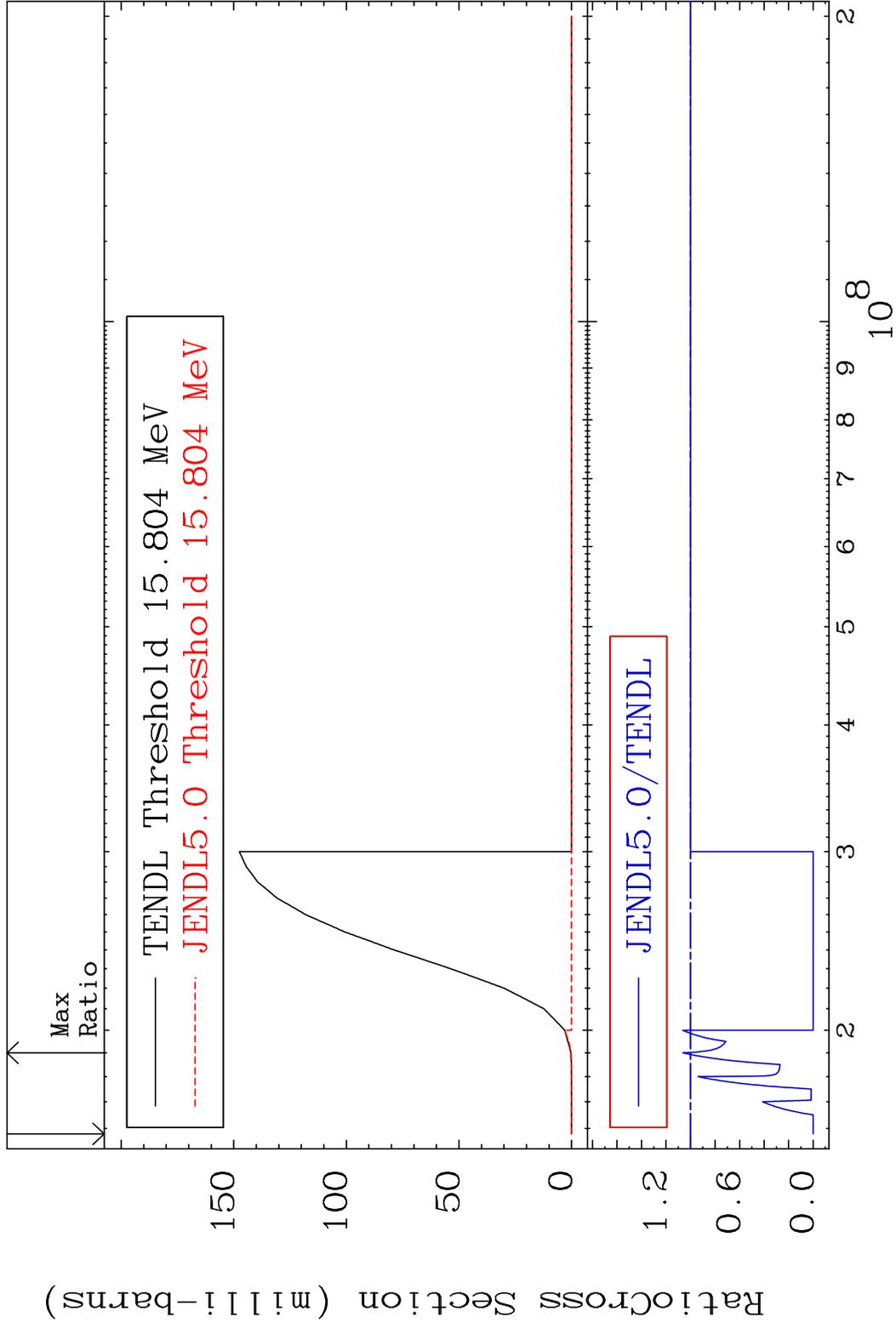
MAT 4228 (n, n') d:41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section Ratio 638.3 %

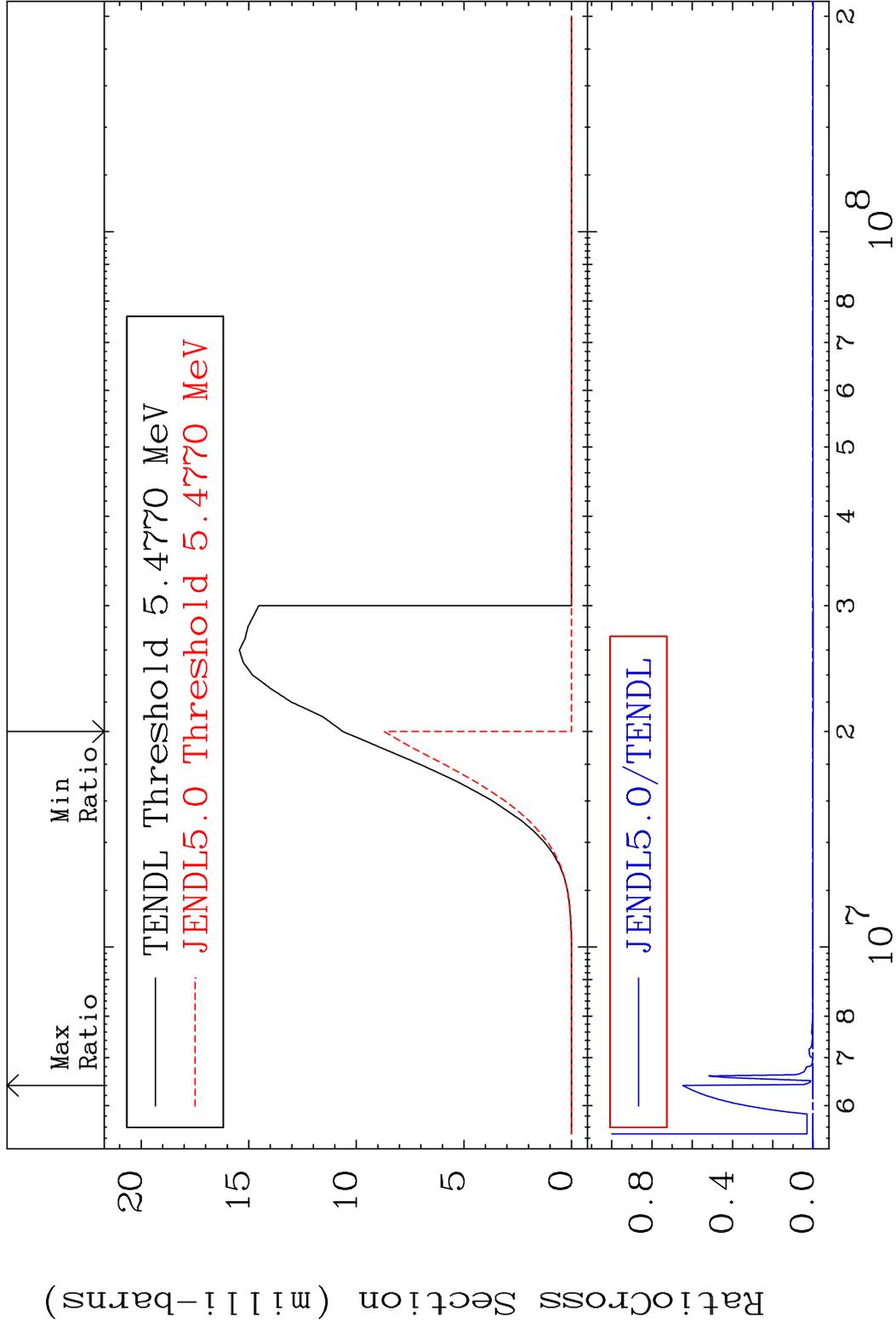


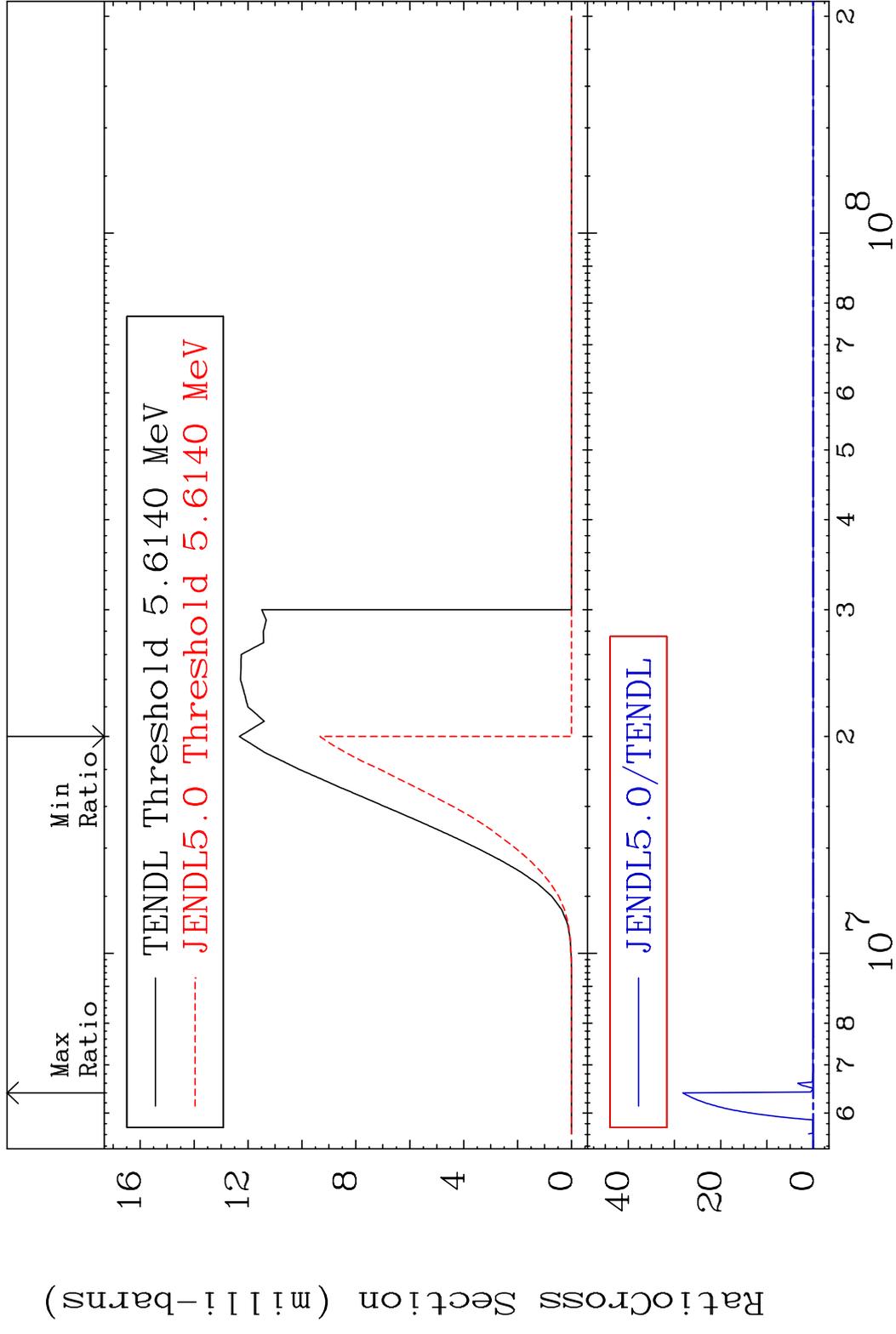
MAT 4228 (n,2n) p:41-Nb-91g 42-Mo-93  
 Radionuclide Production Cross Section 180.0 mb 0.000 %



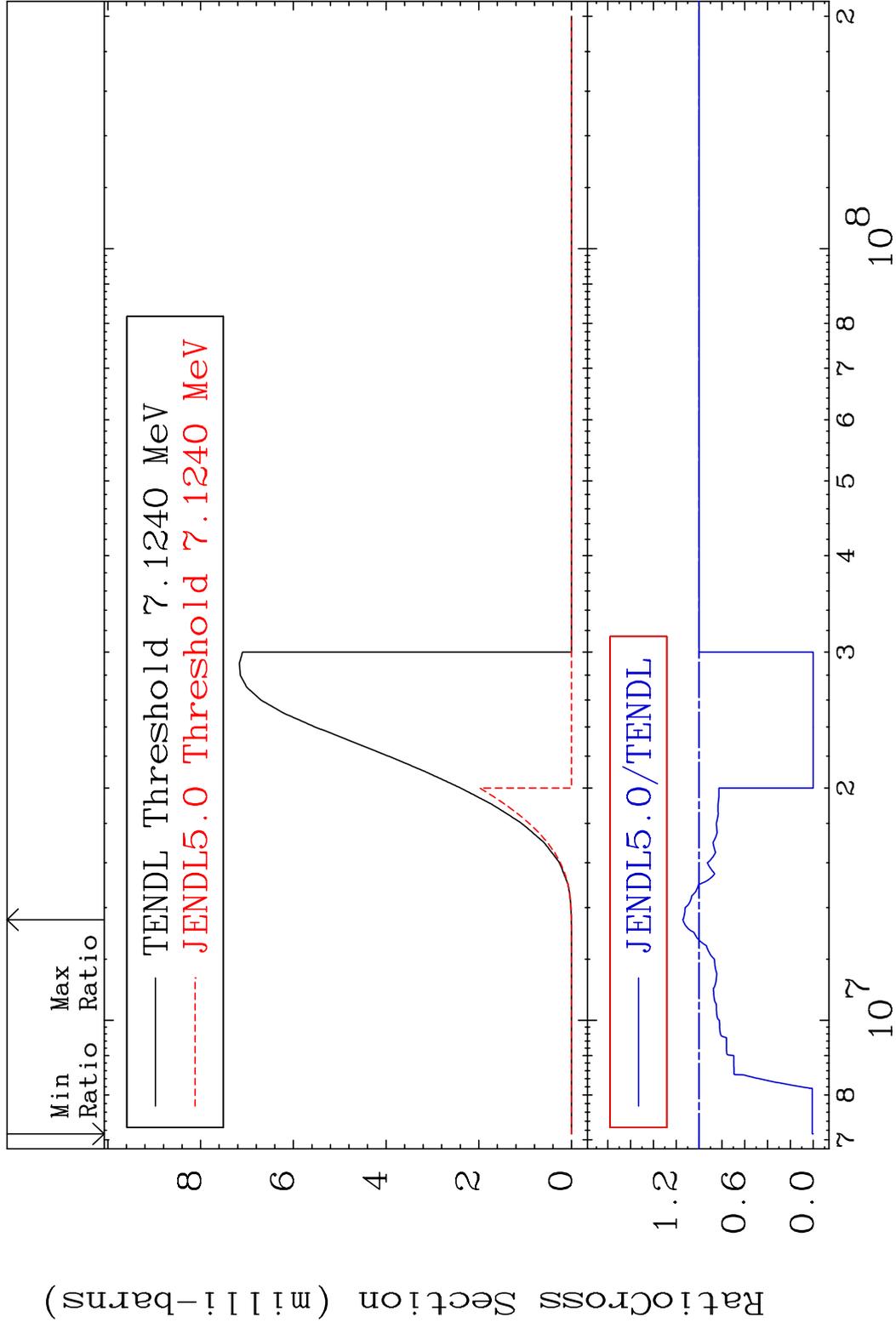
MAT 4228 (n,2n) p:41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section Ratio 6.297 %



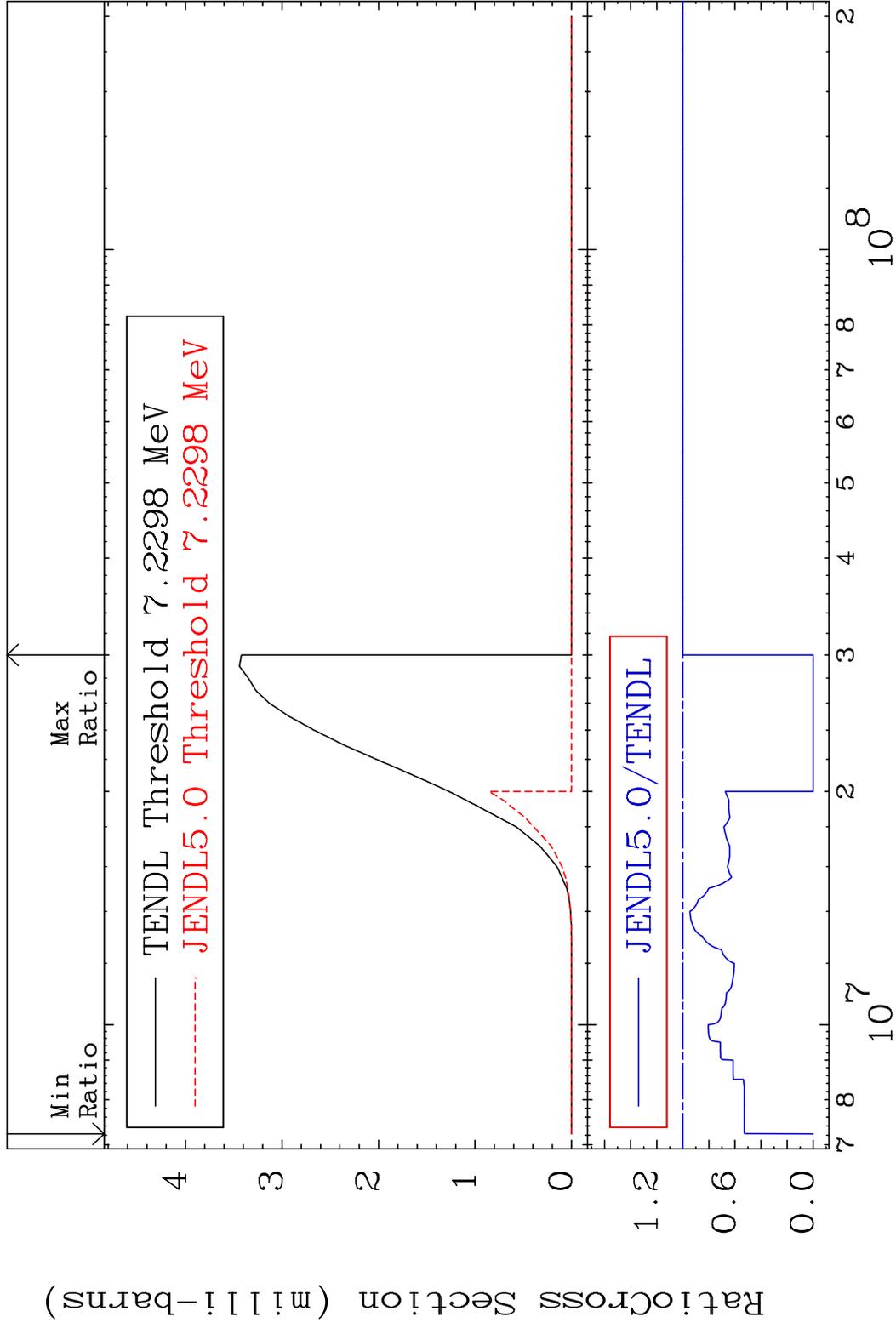




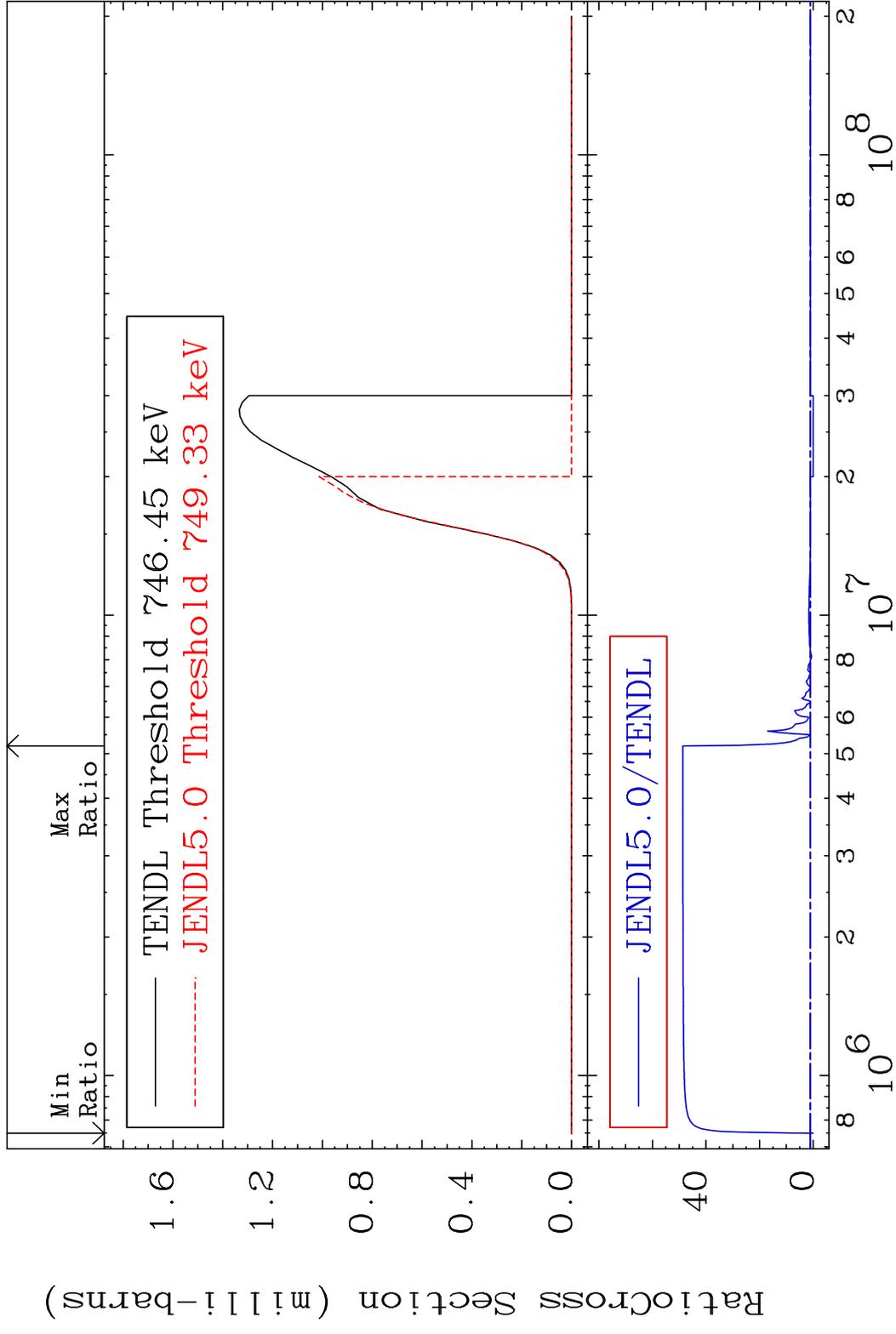
MAT 4228 (n, t): 41-Nb-91g 42-Mo-93  
 Radionuclide Production Cross Section 180.0 mb 14.24 %

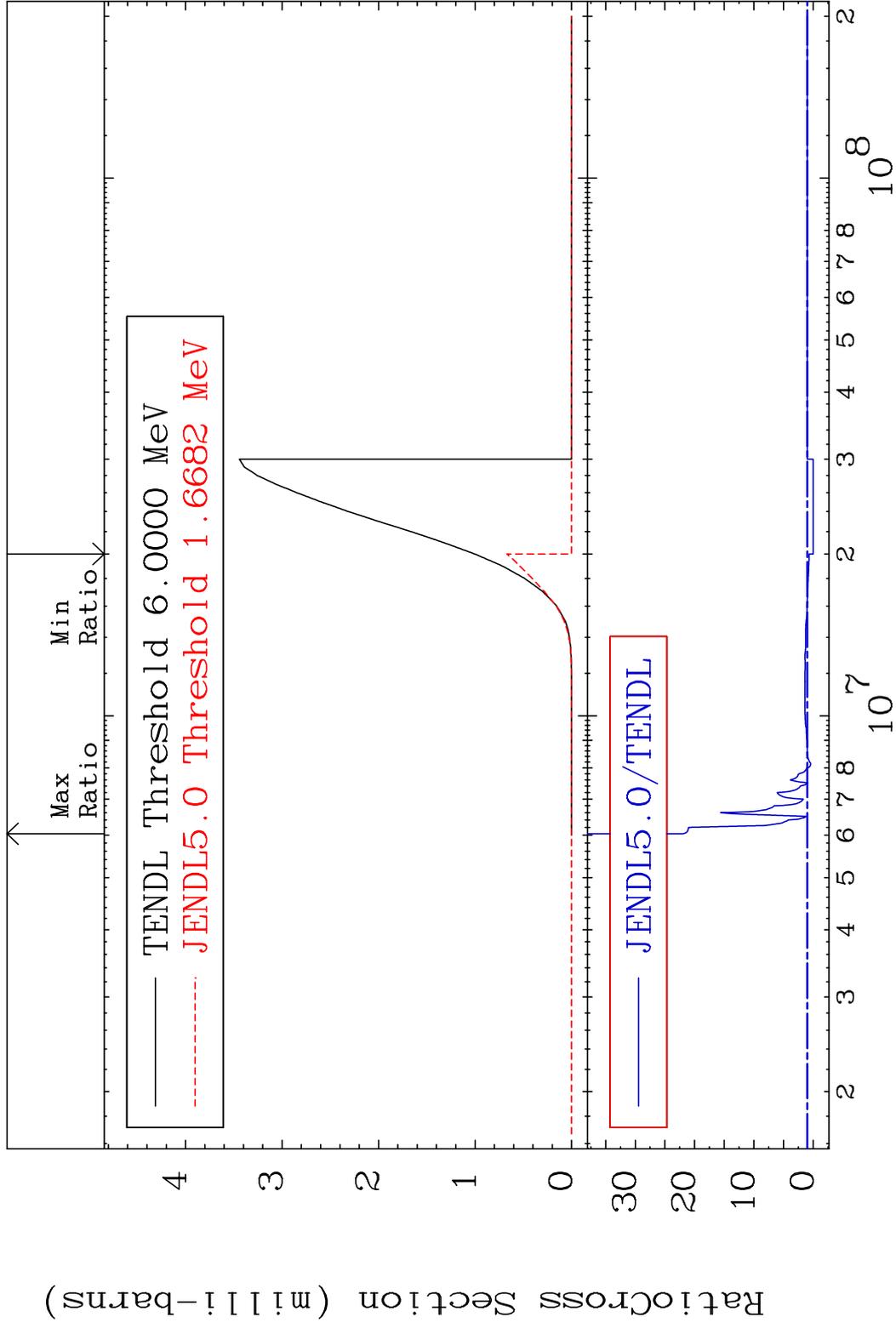


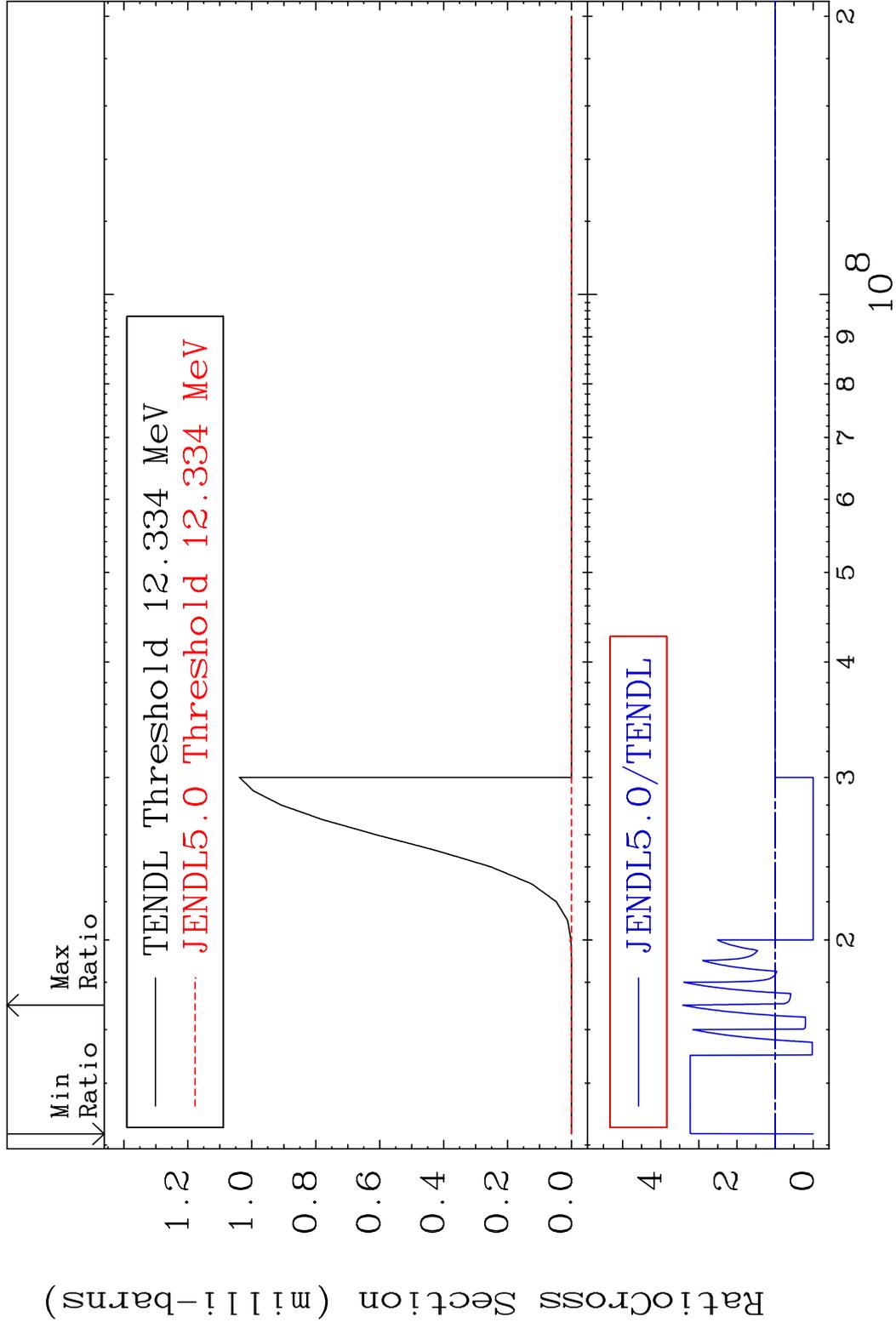
MAT 4228 (n,t):41-Nb-91m1 42-Mo-93  
 Radionuclide Production Cross Section 0.000 %

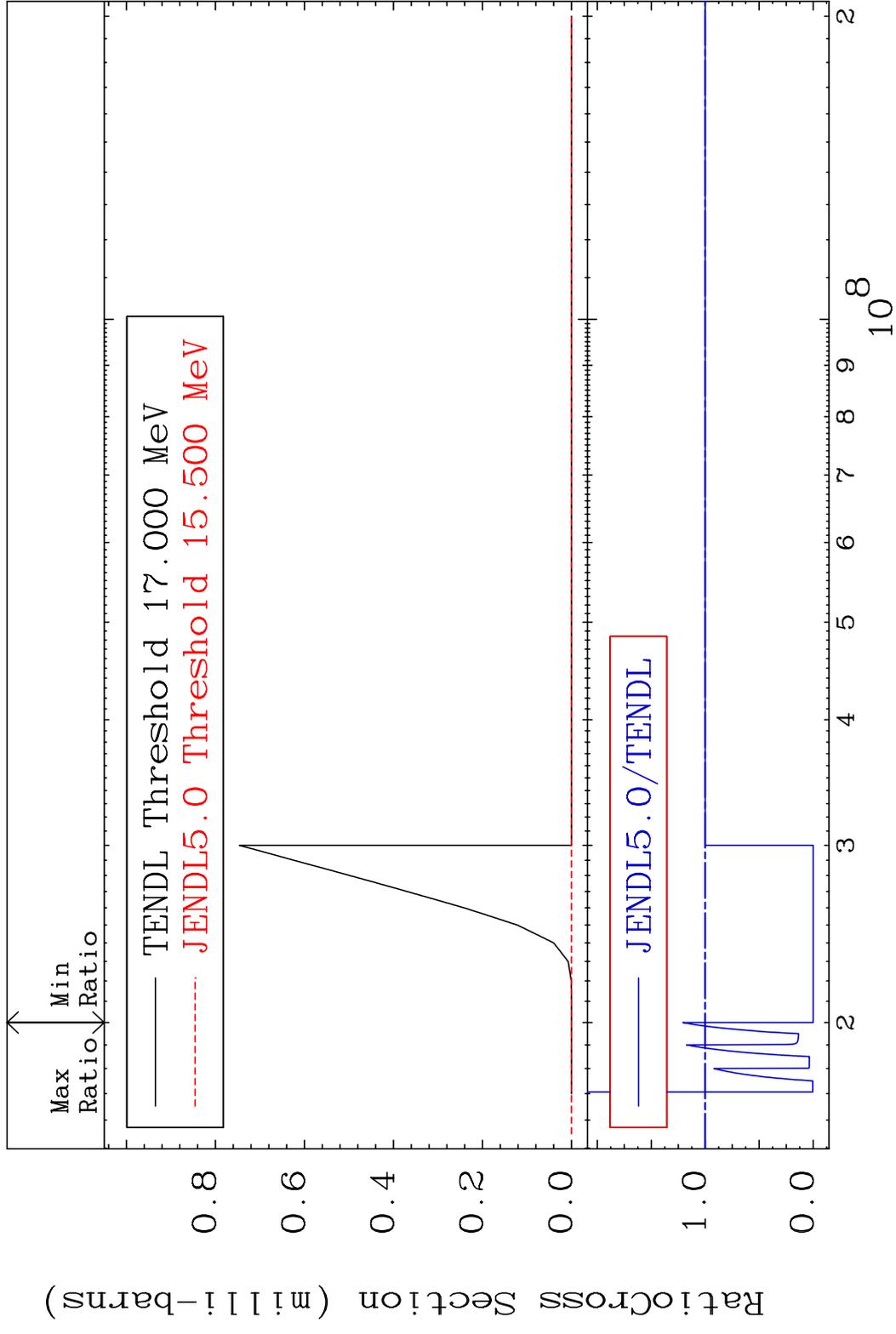


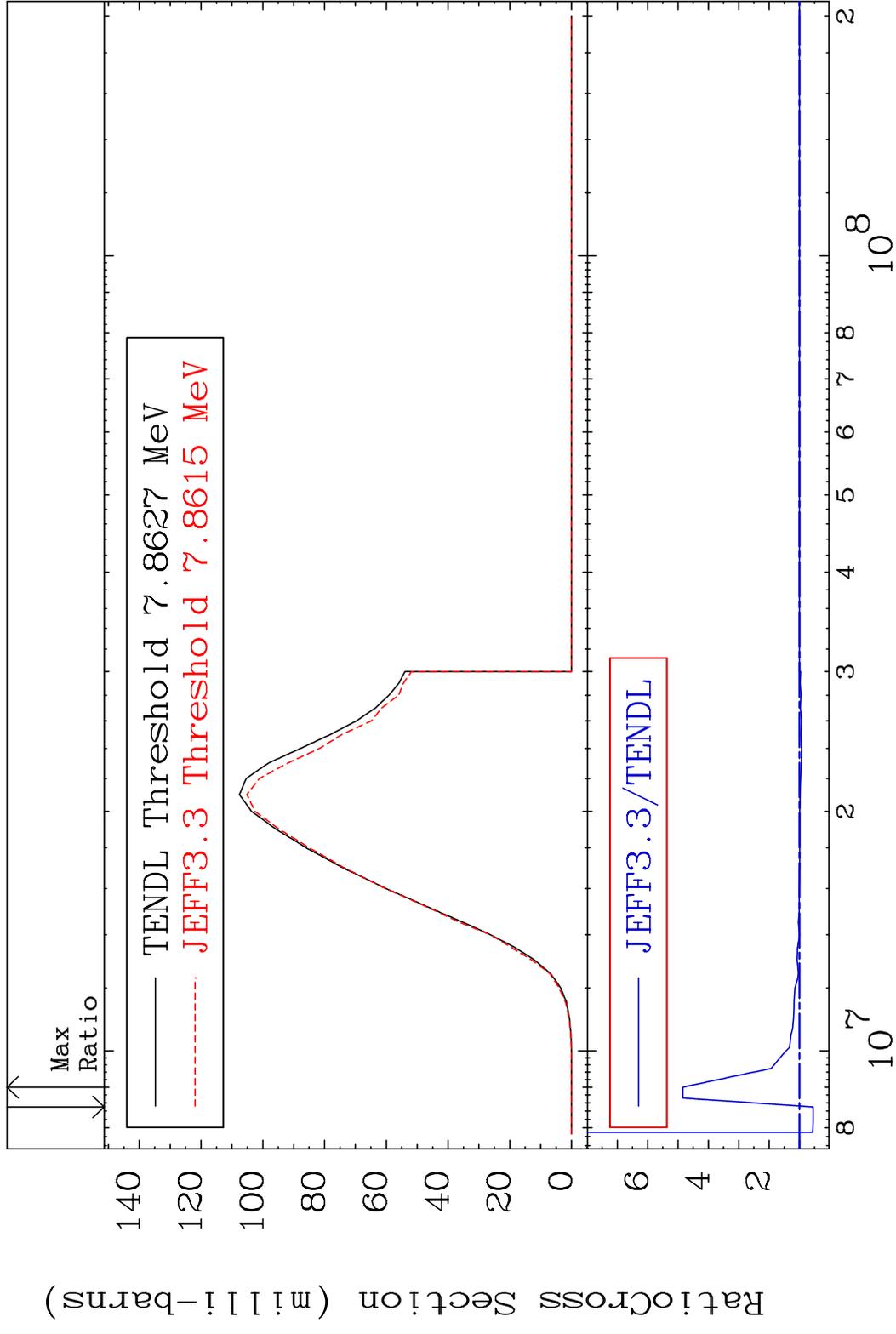
67 Incident Energy (eV) 42-Mo-93

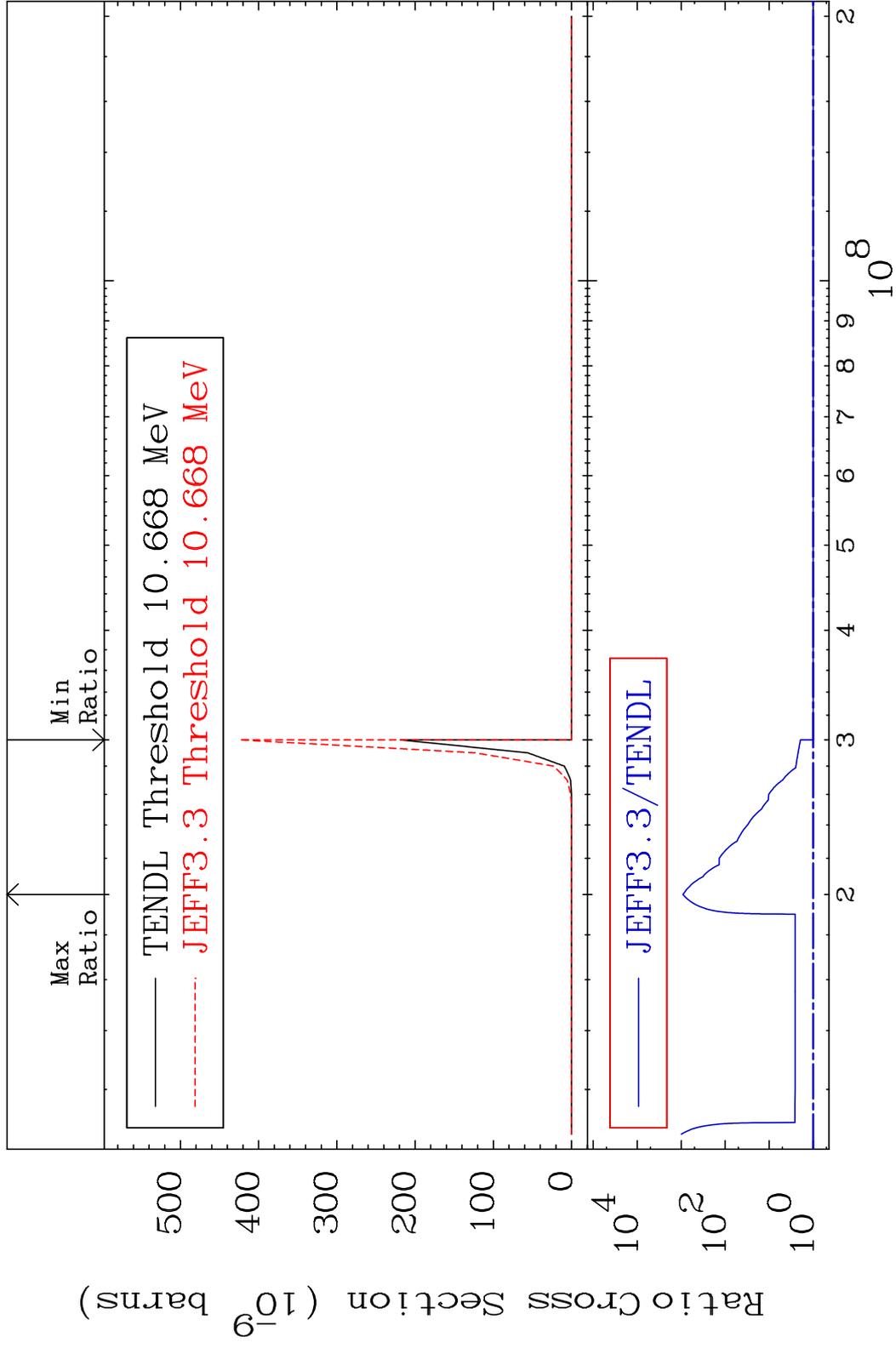


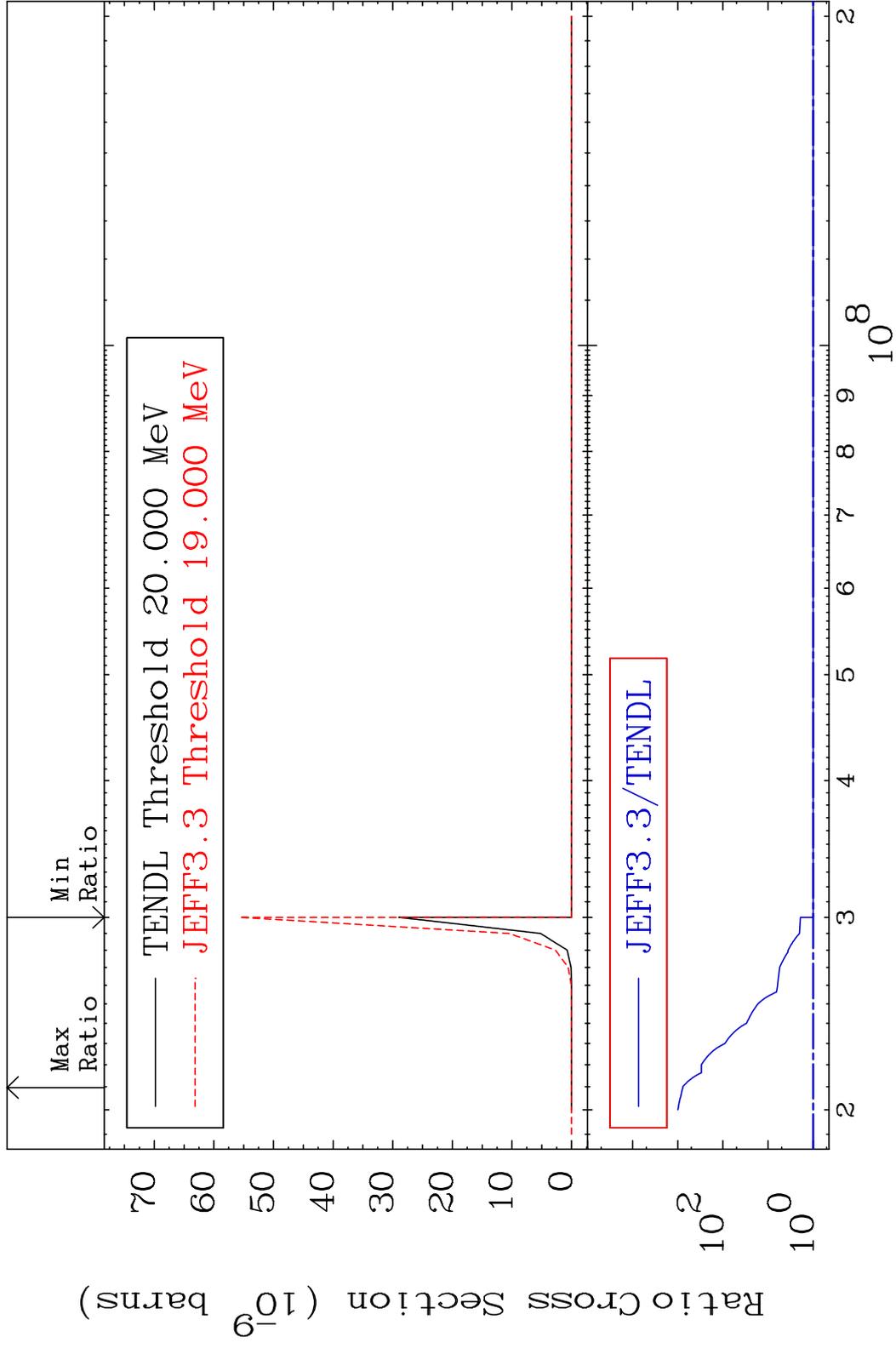


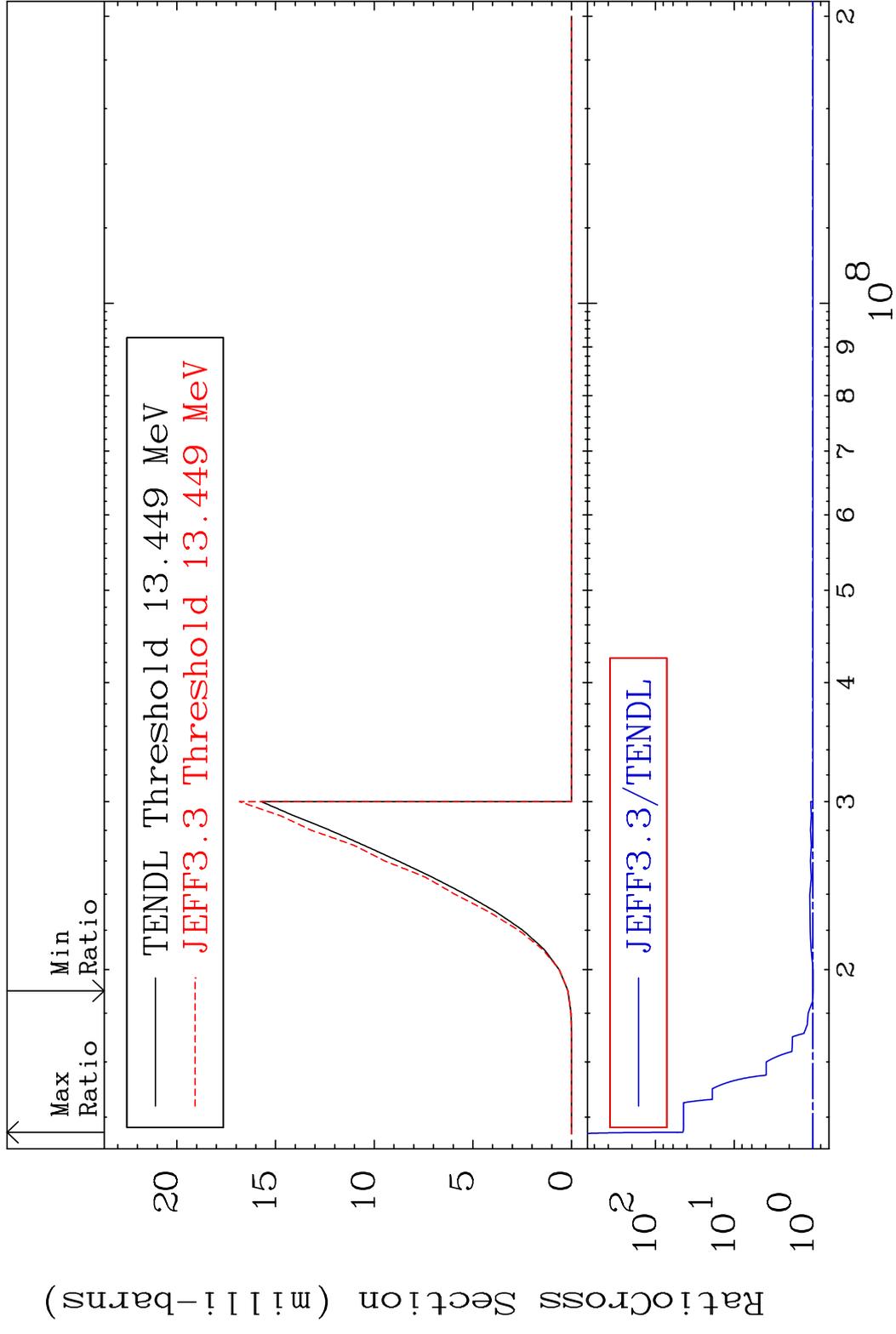


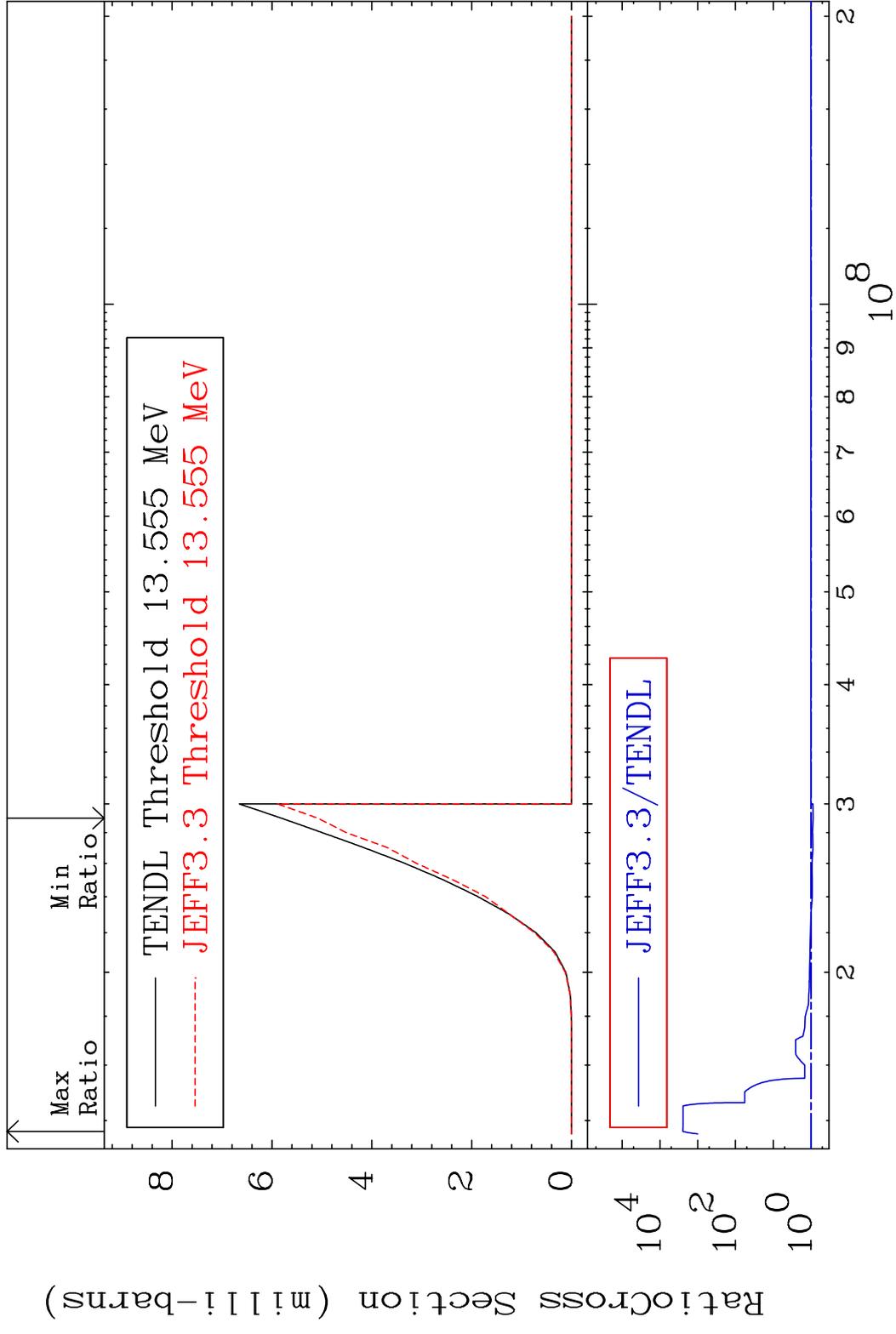


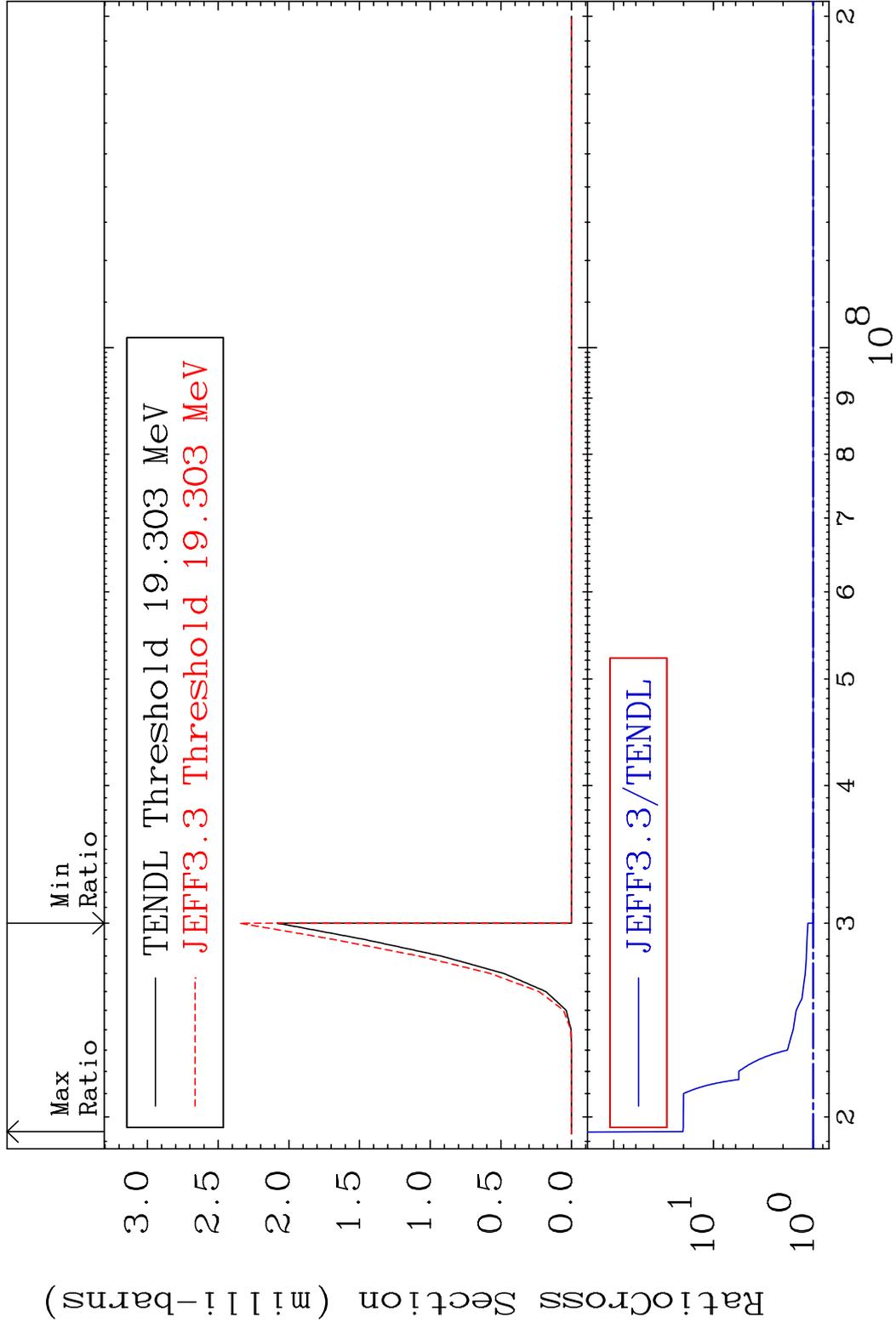


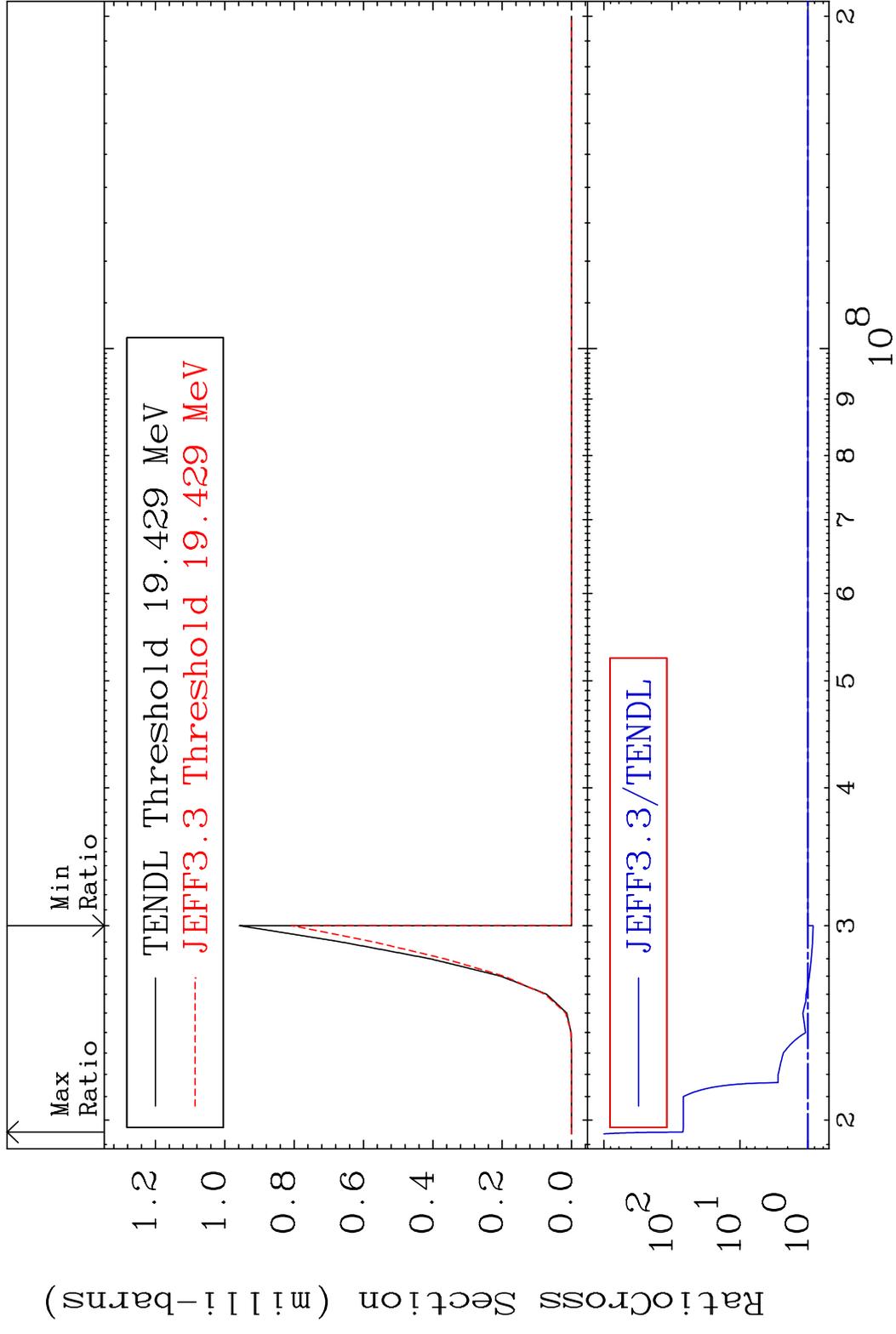


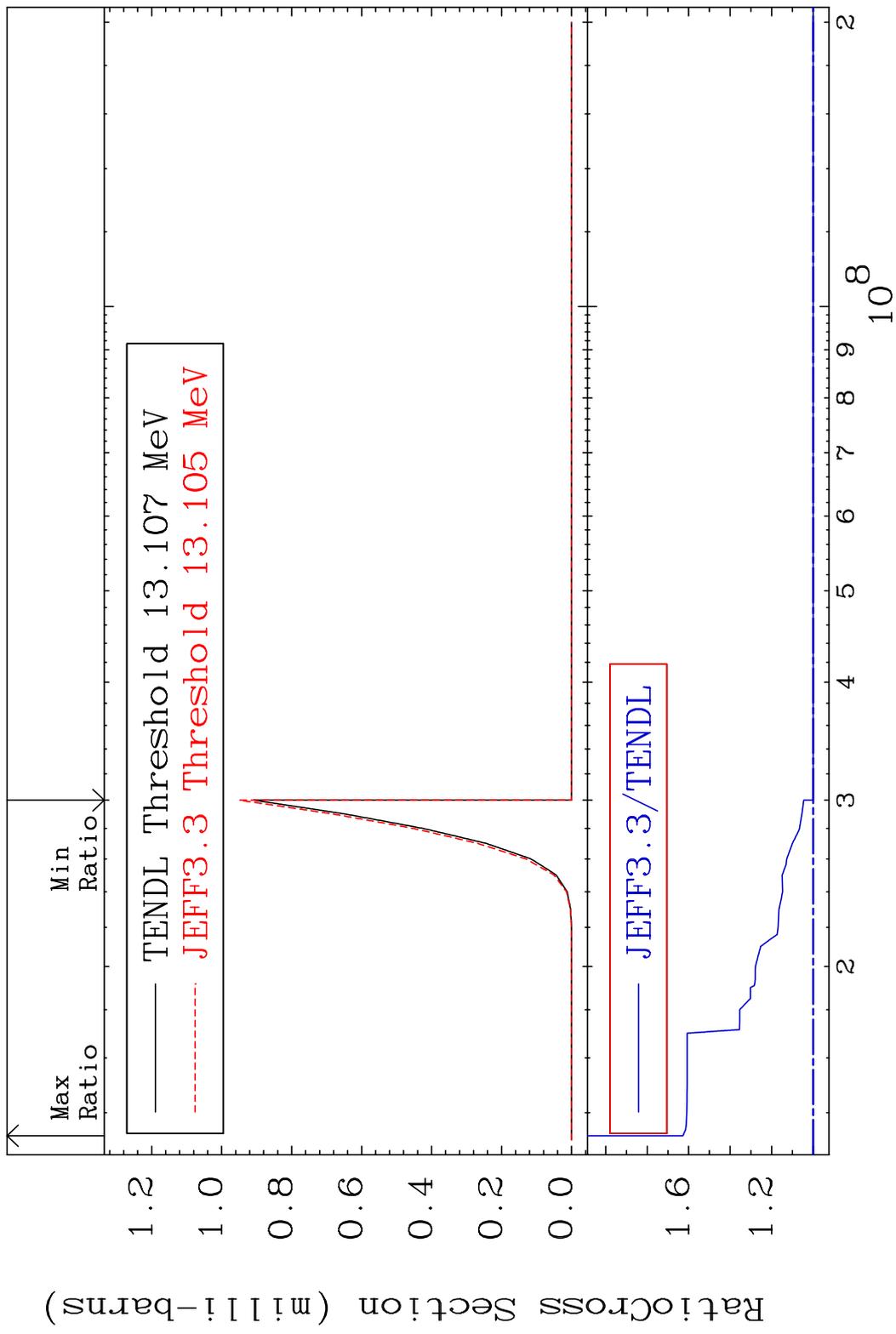


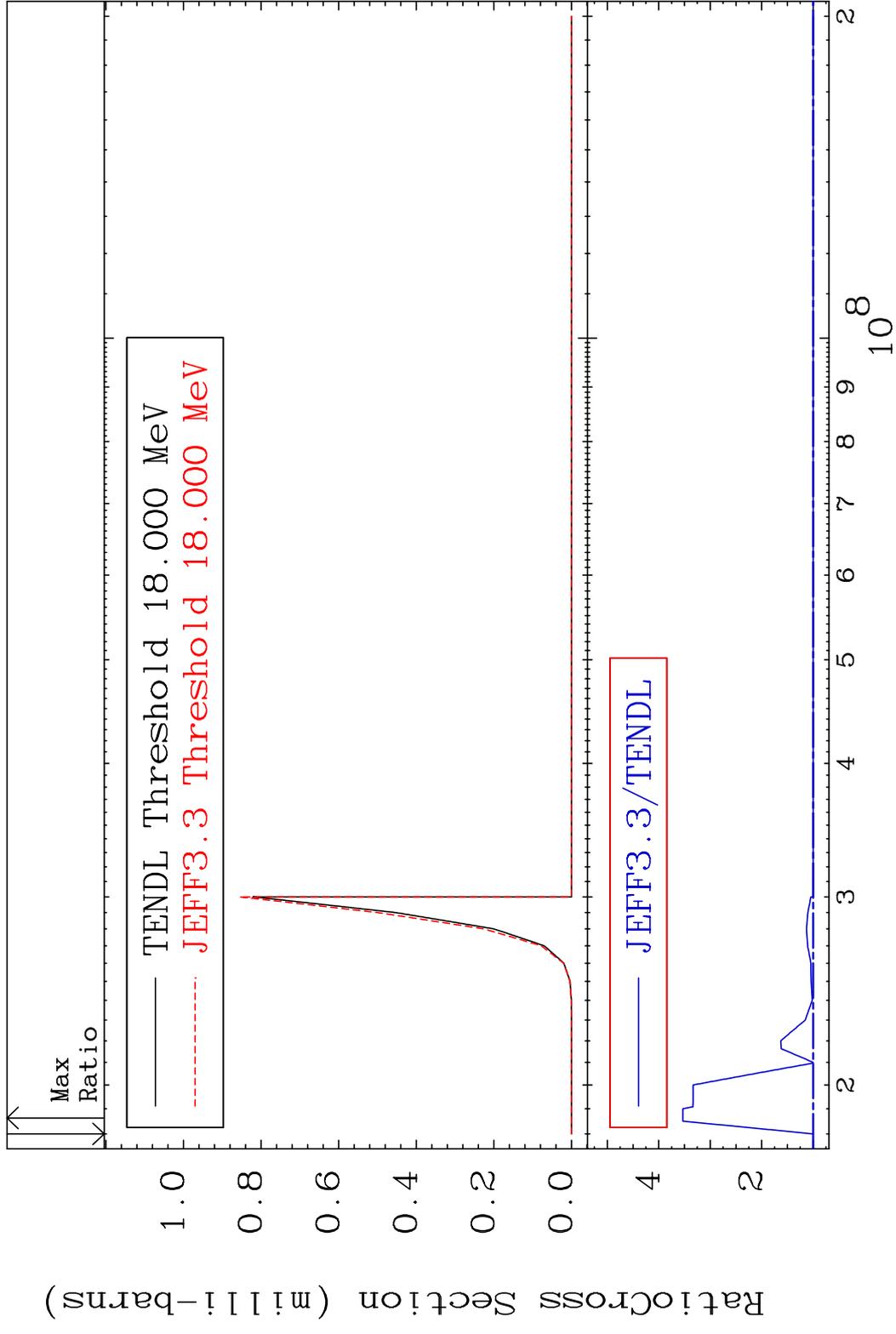


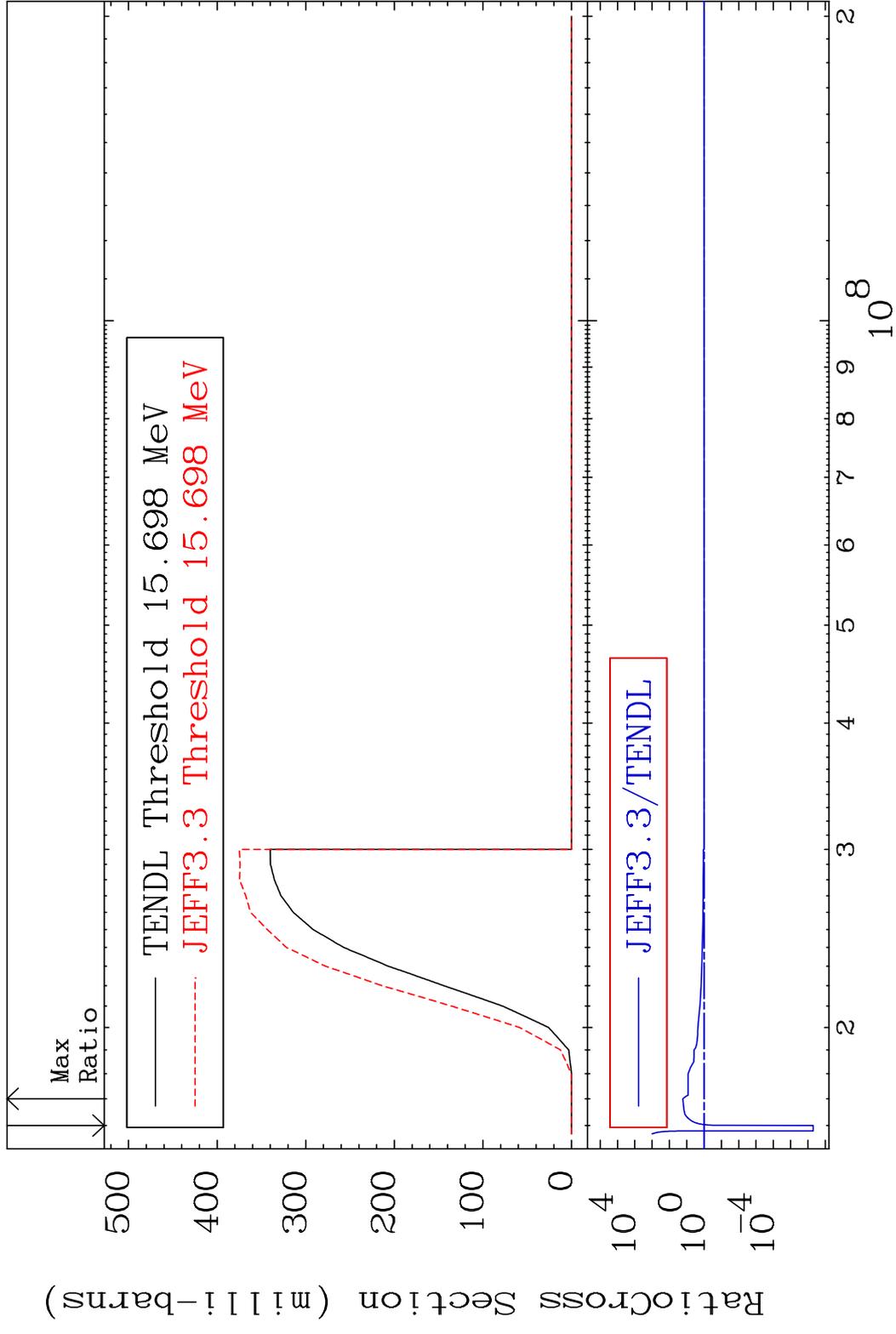


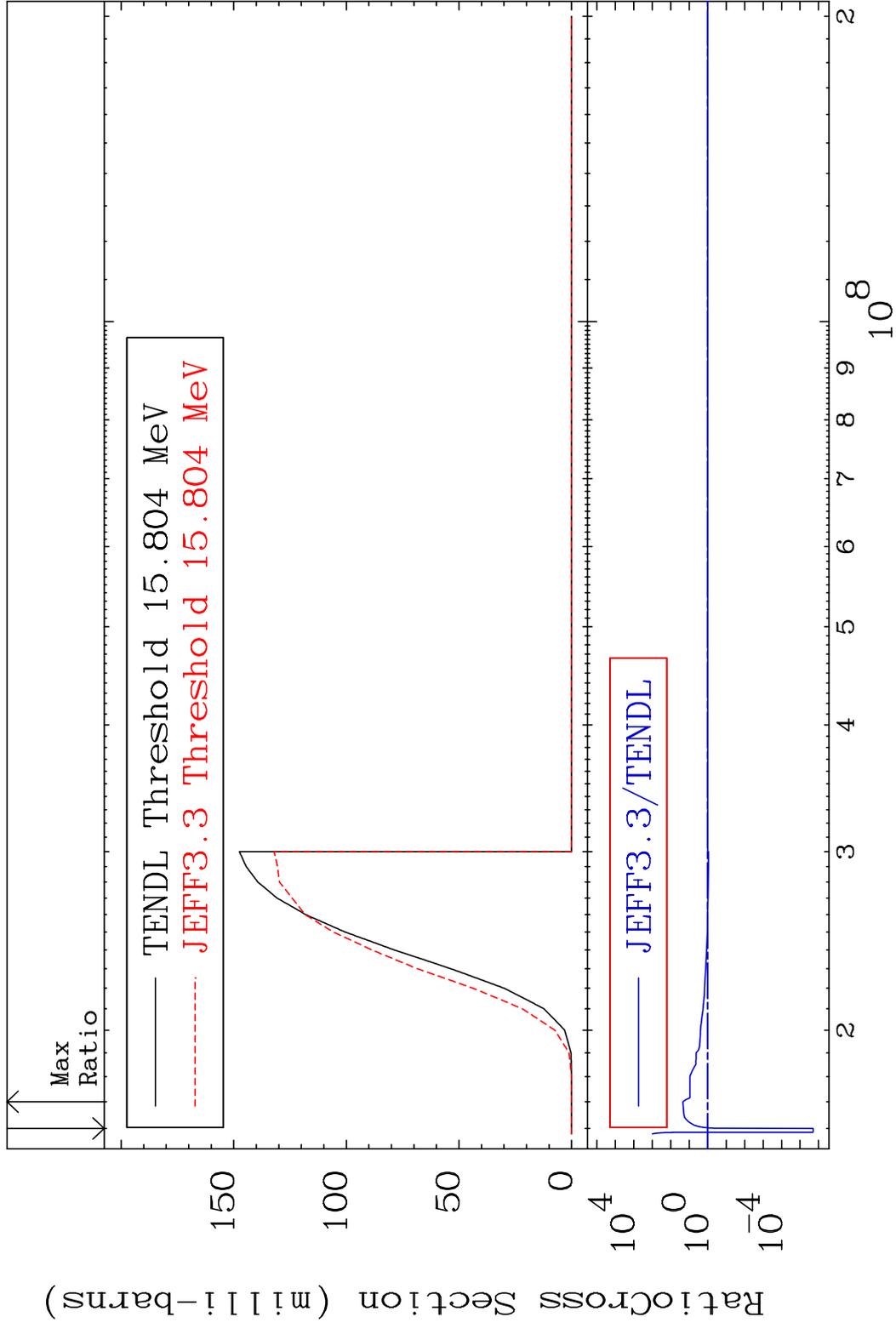


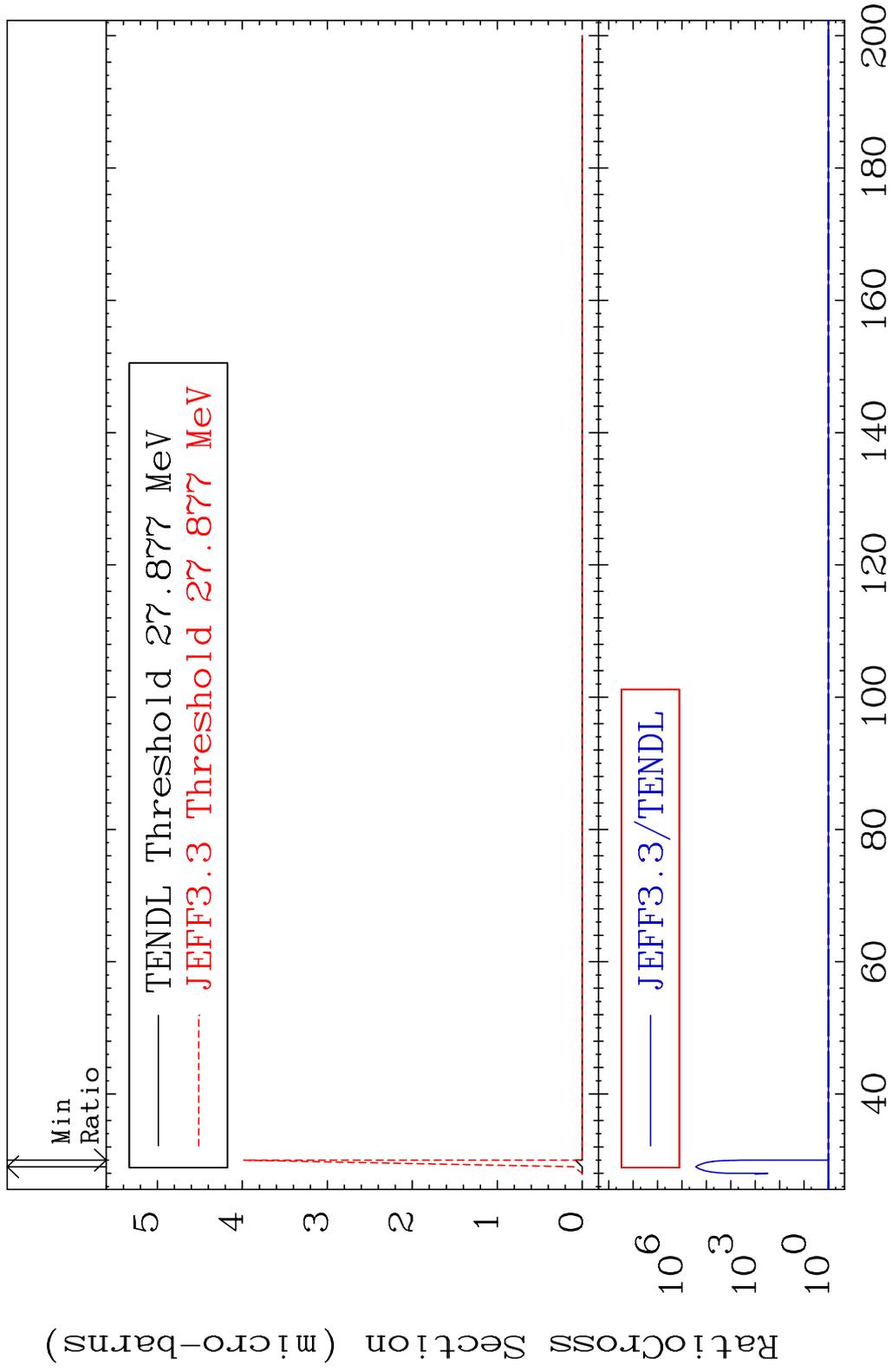


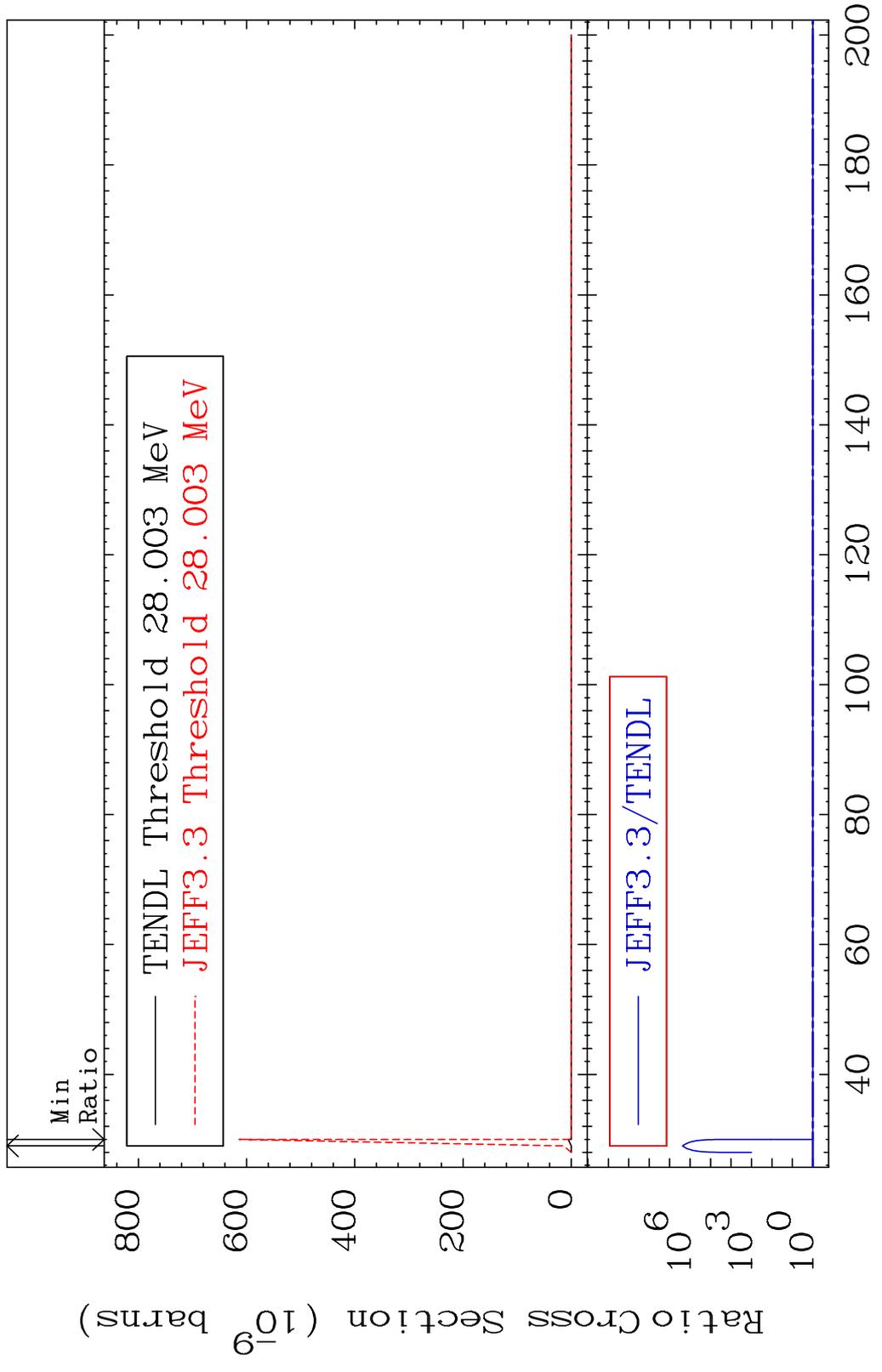


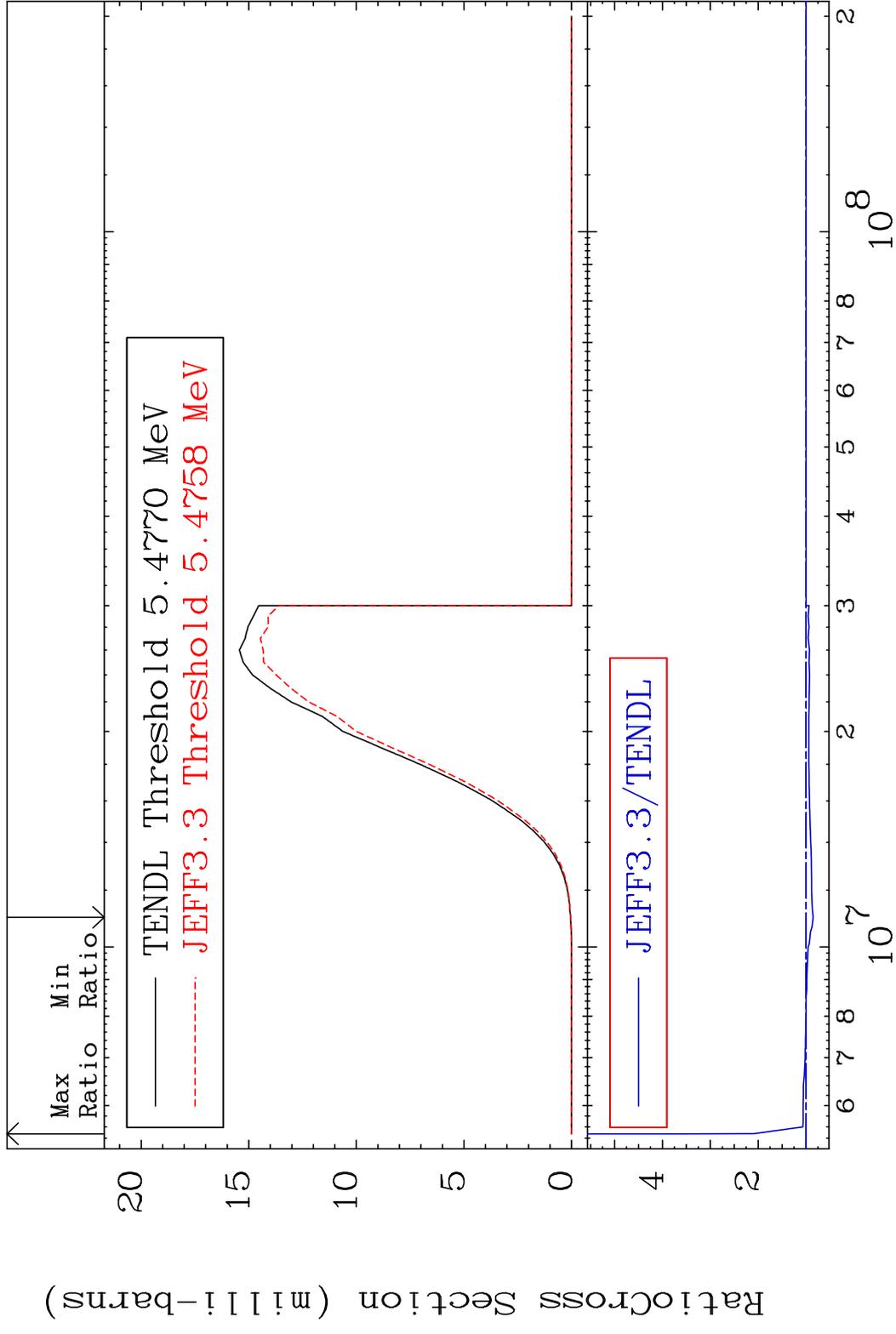


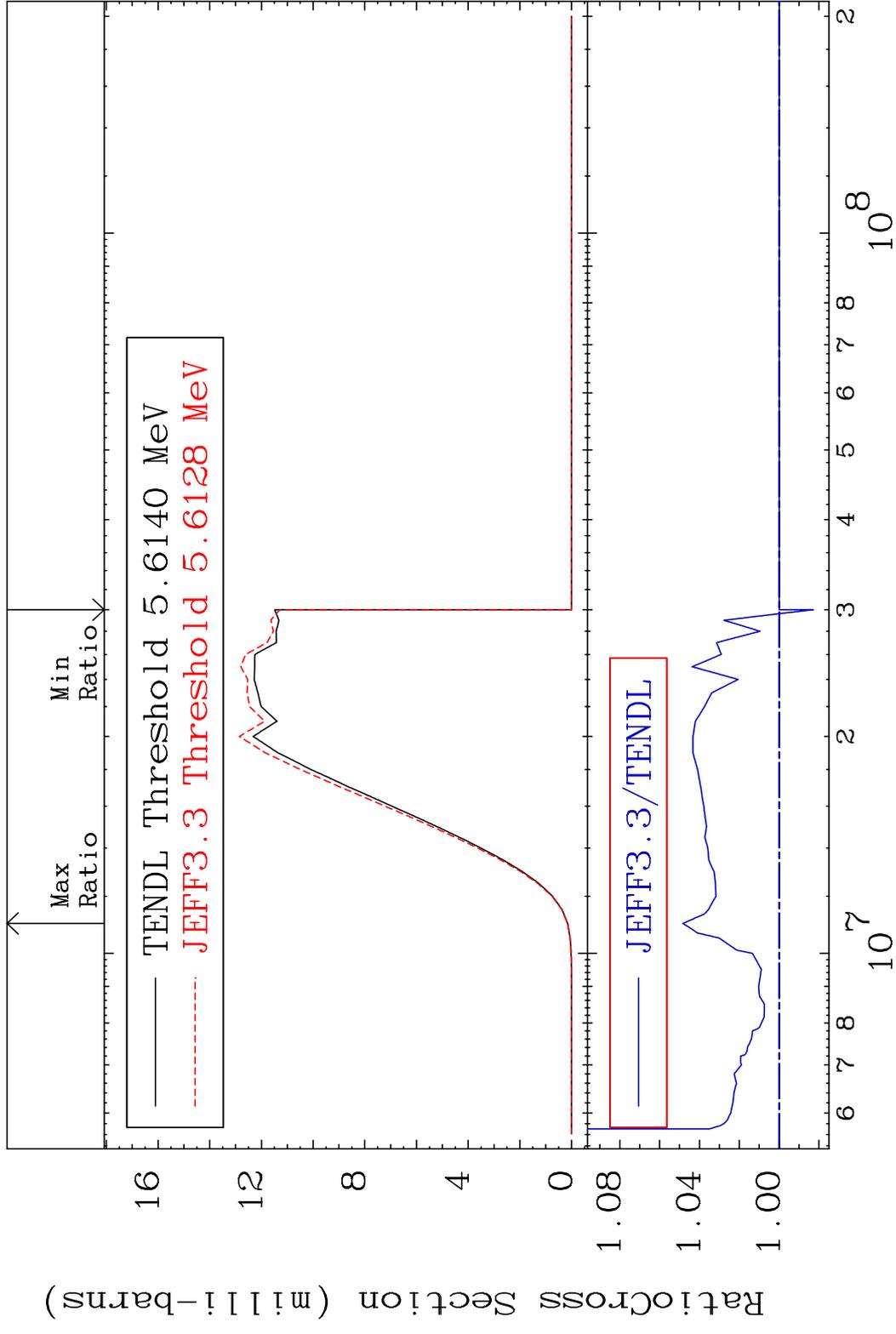


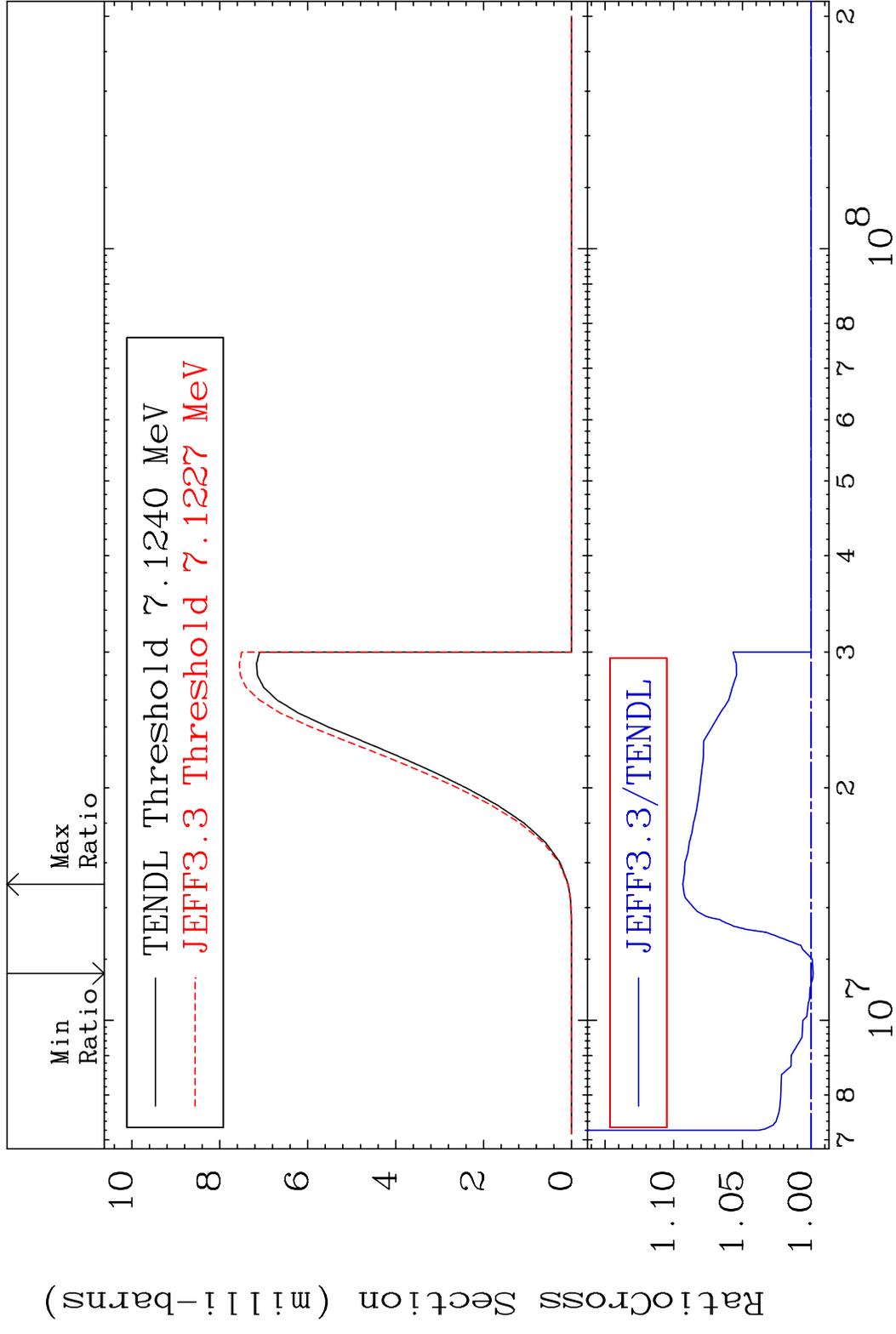


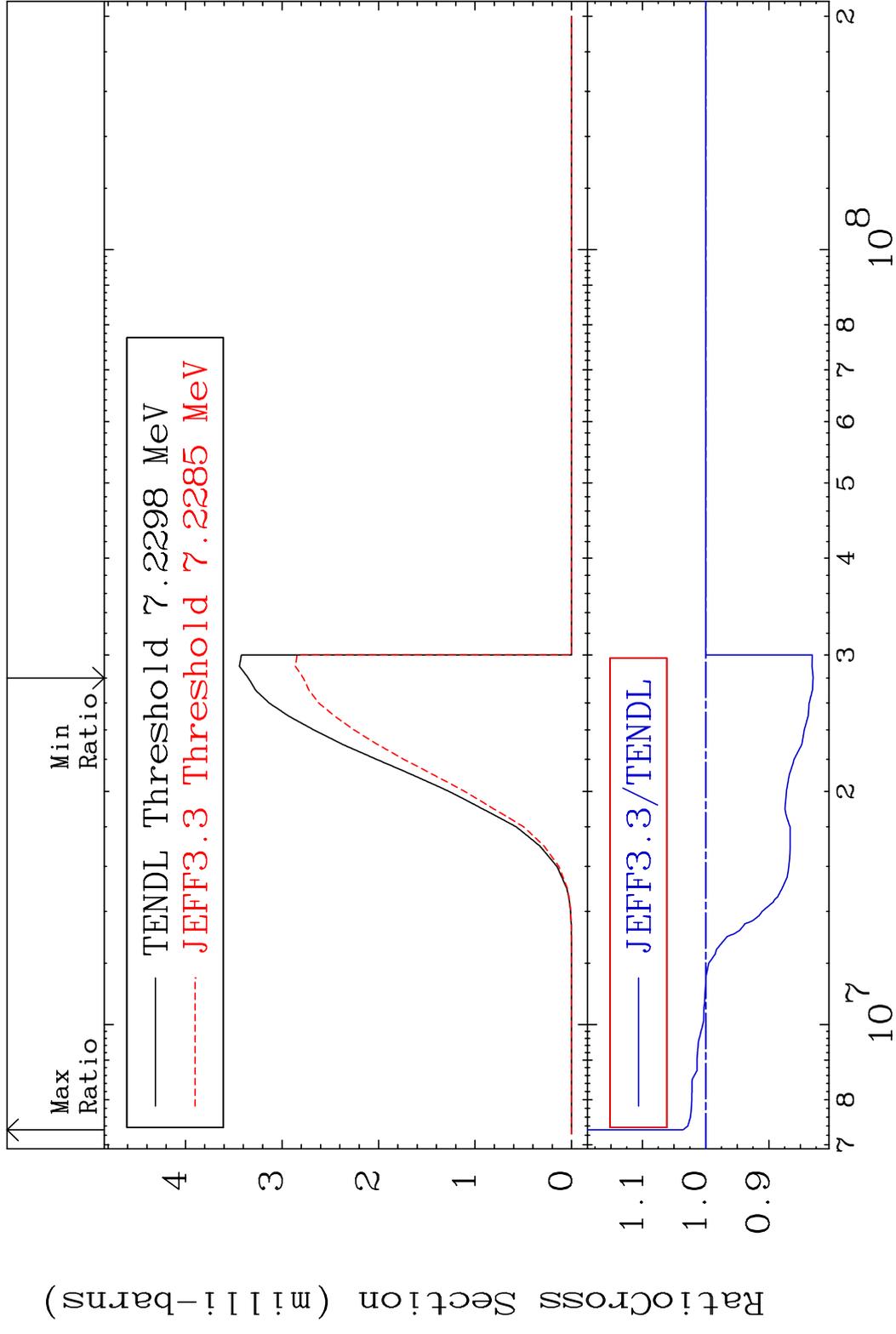


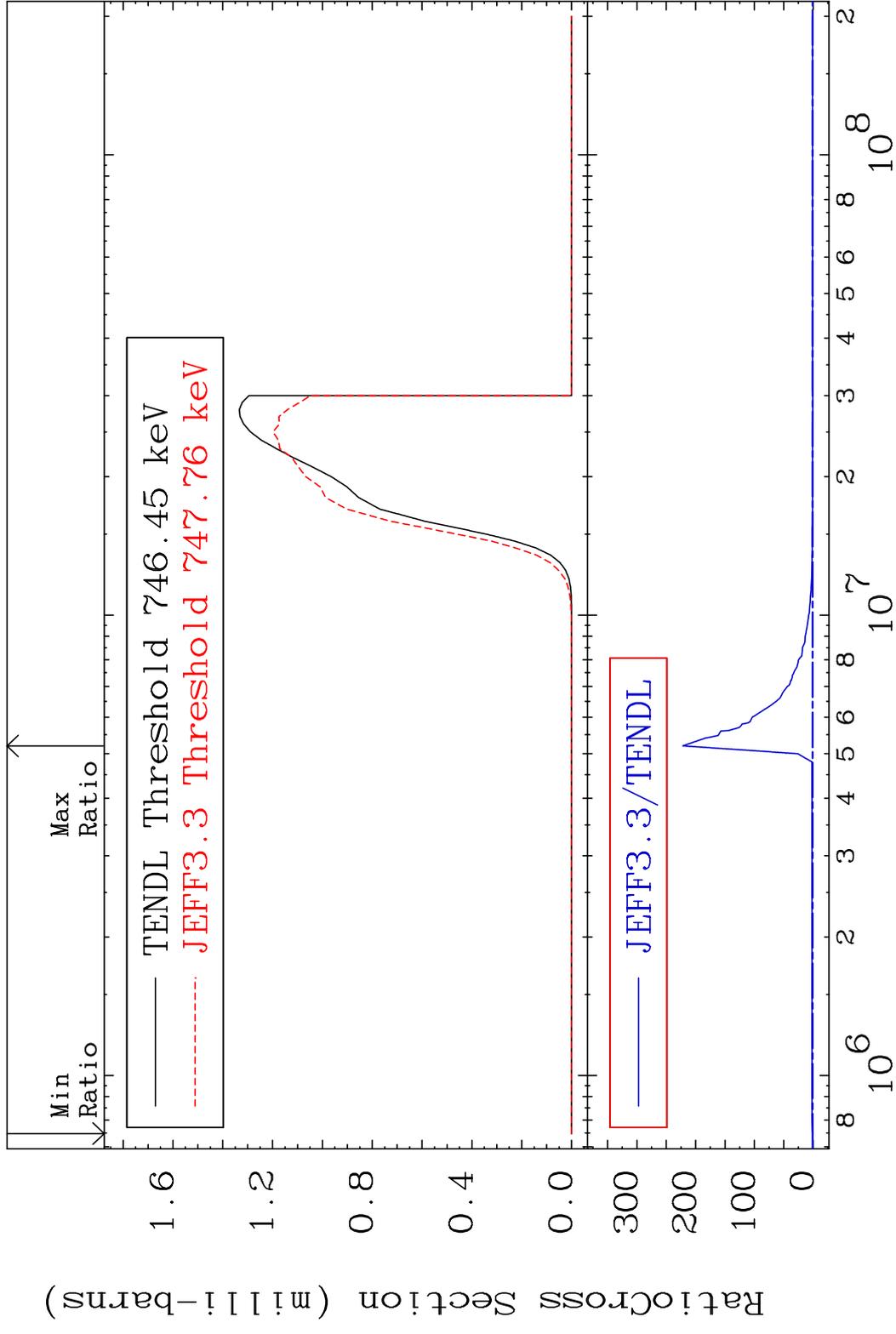












MAT 4228 (n,p)  $\alpha$ :39-Y -89m1 42-Mo-93  
 Radionuclide Production Cross Section 9663 d10 9999. %

