

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

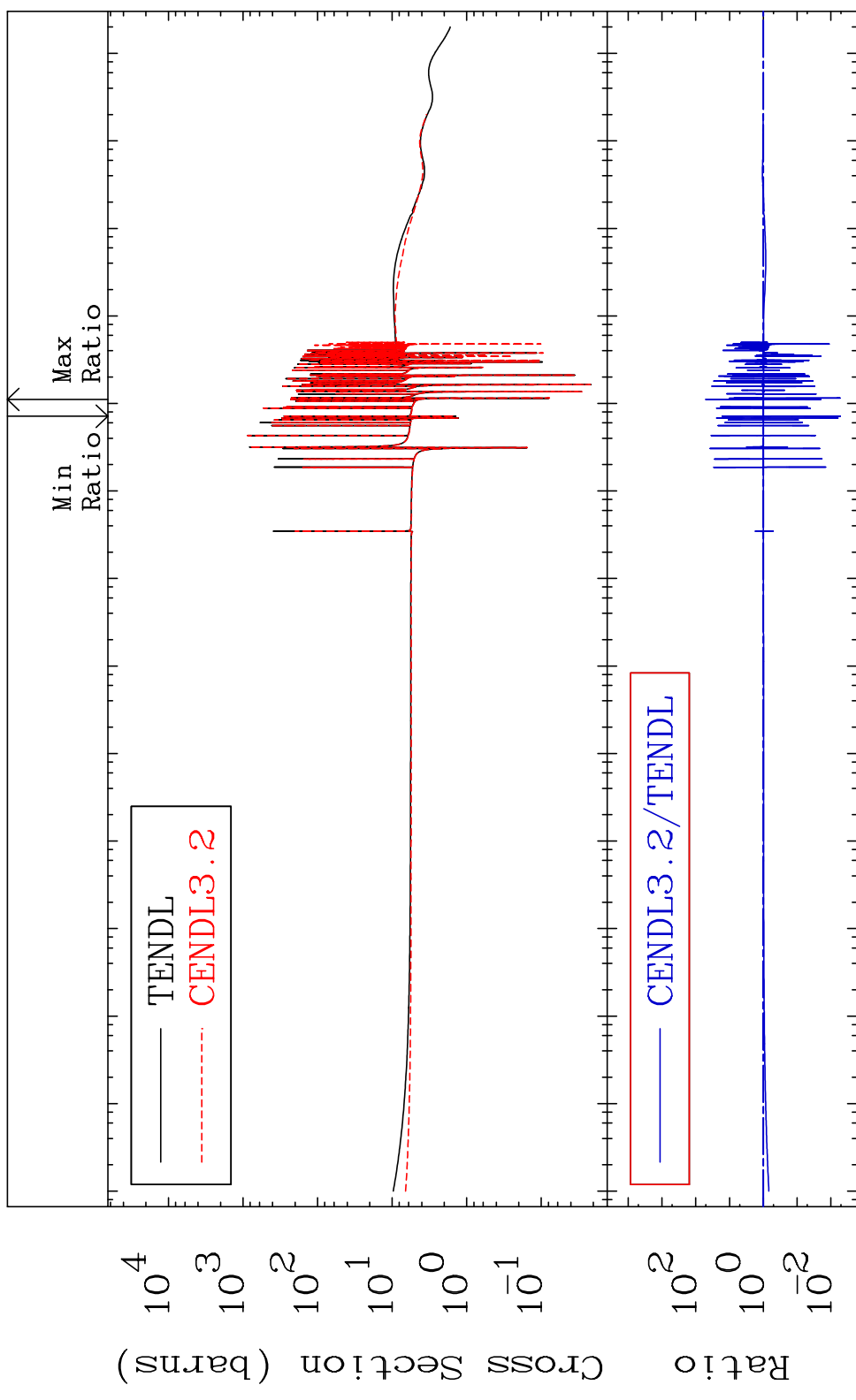
MAT 4225

Total

42-Mo-92

Cross Section

-99.48 To 4950. %



1

Incident Energy (eV)

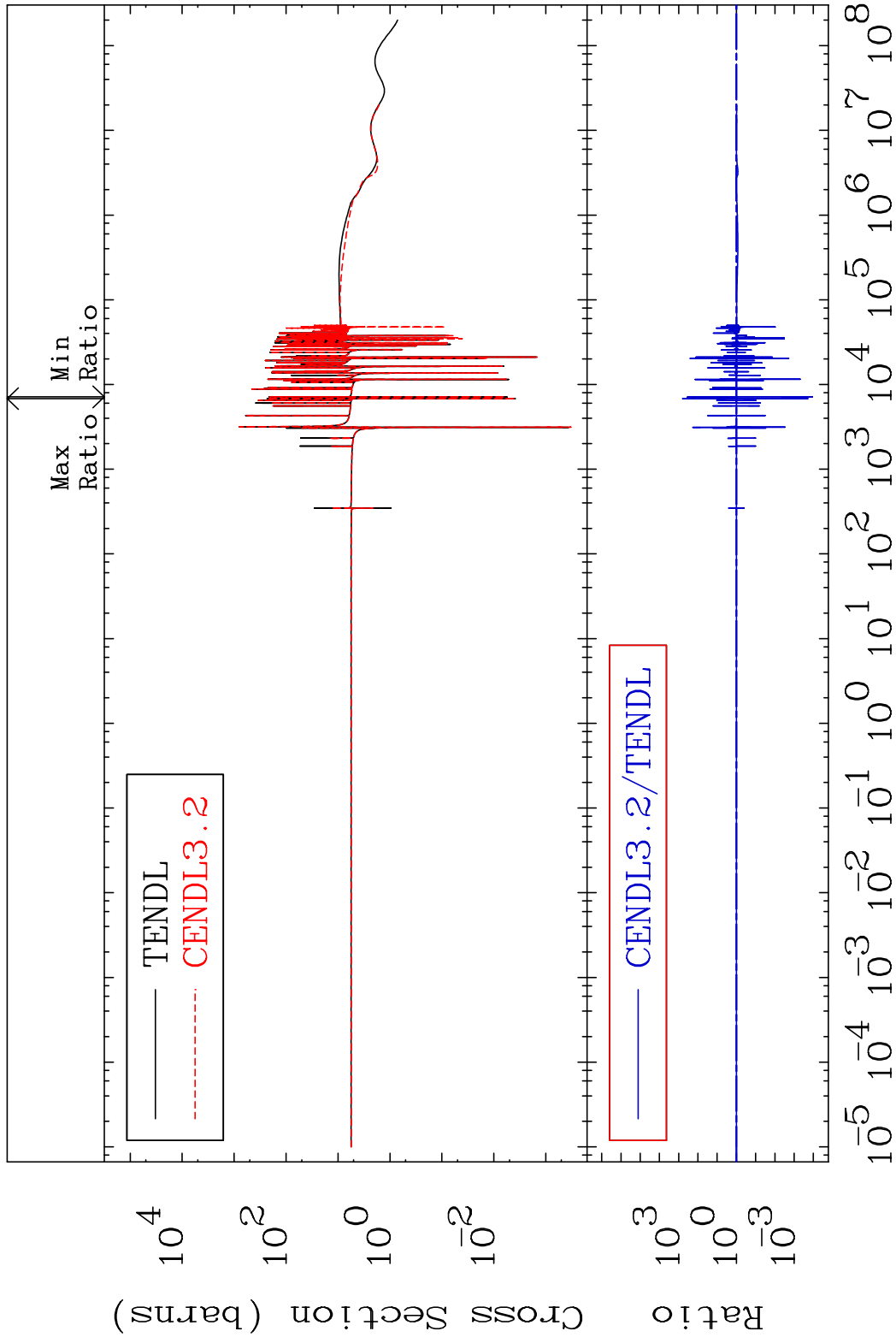
42-Mo-92

MAT 4225

Elastic

42-Mo-92

Cross Section -99.99 To 9999. %

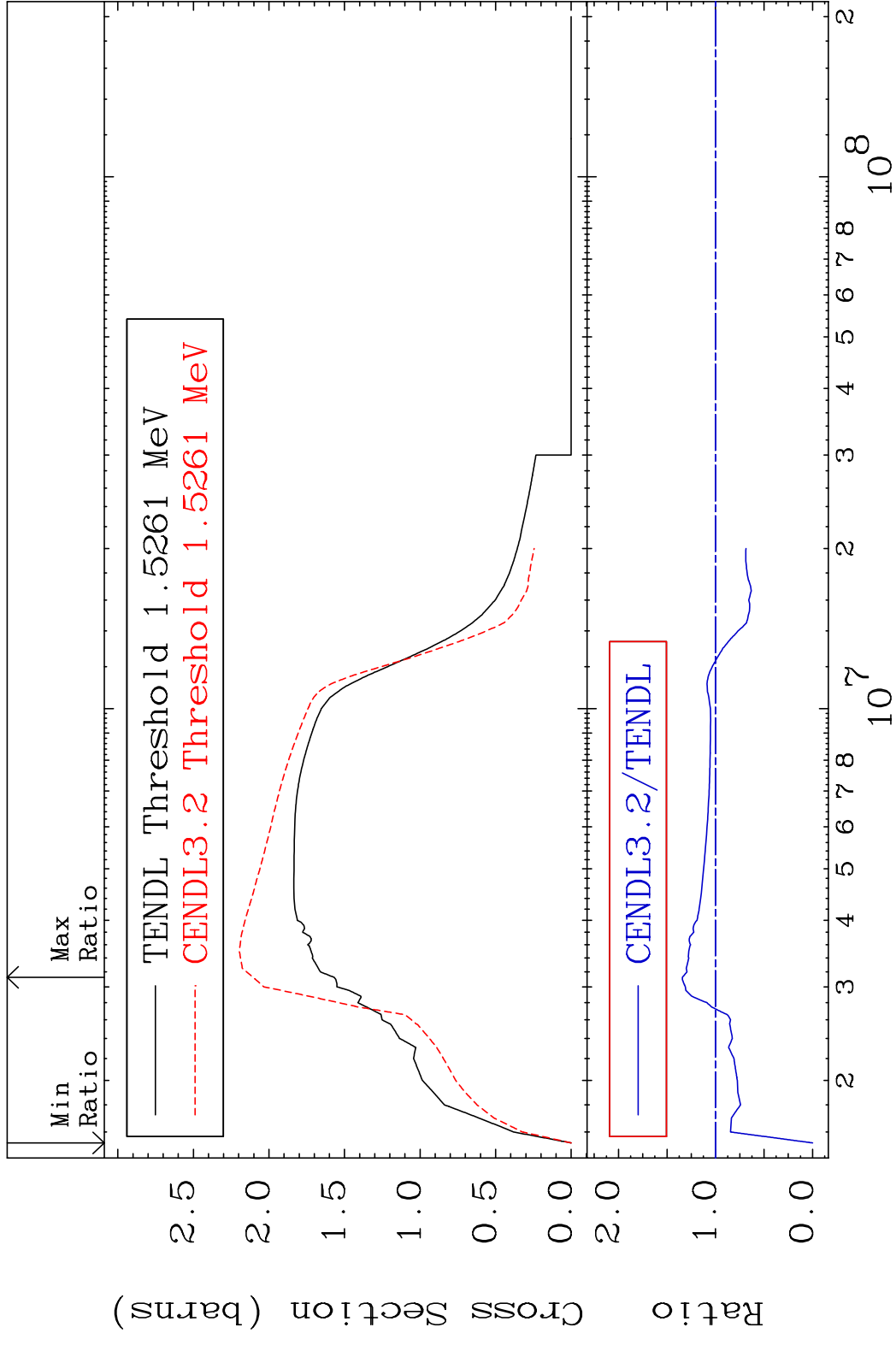


2

Incident Energy (eV)

42-Mo-92

MAT 4225 Inelastic 42-Mo-92  
 Cross Section -100.0 To 34.19 %

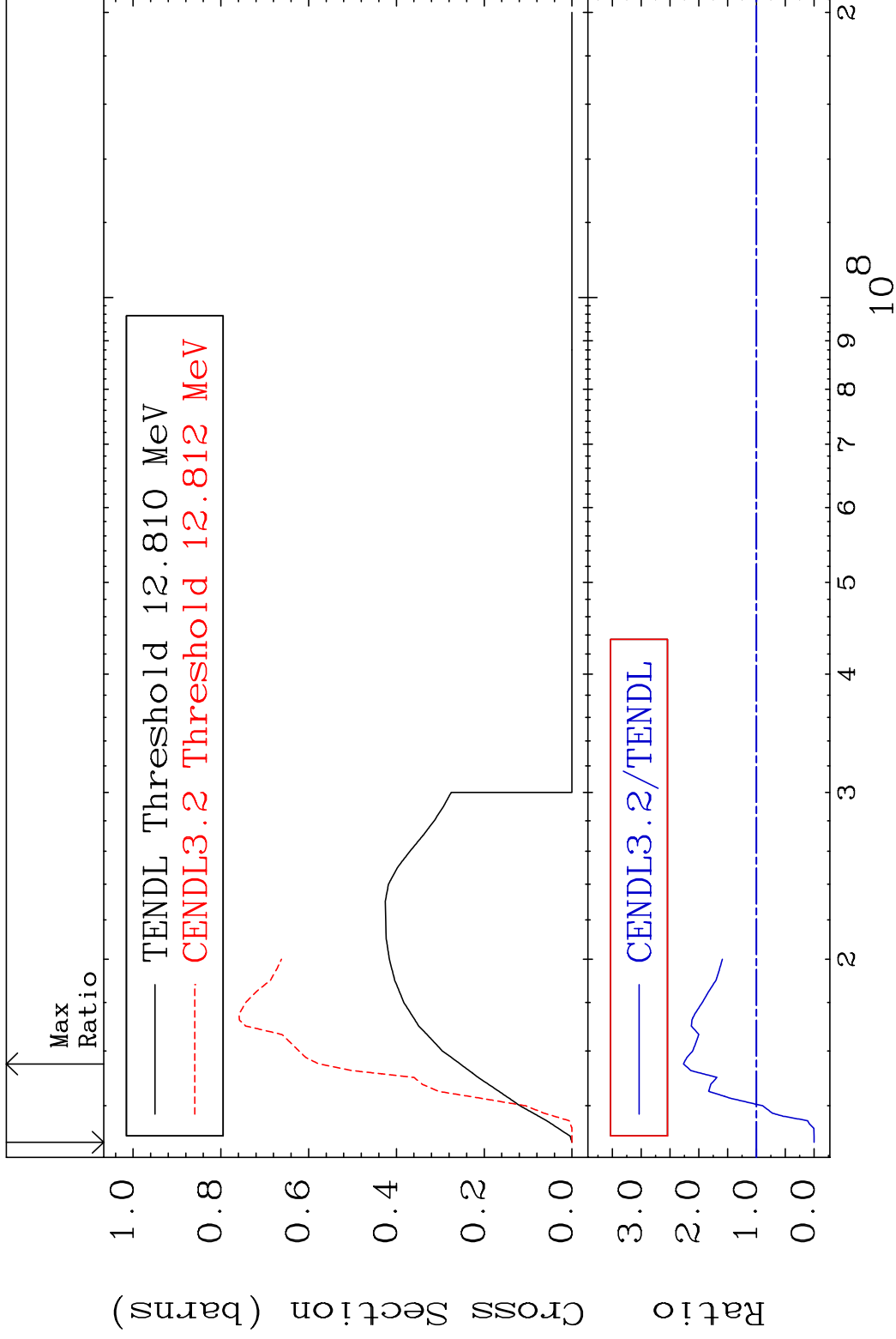


MAT 4225

(n,2n)

42-Mo-92

Cross Section -100.0 To 126.6 %



4

Incident Energy (eV)

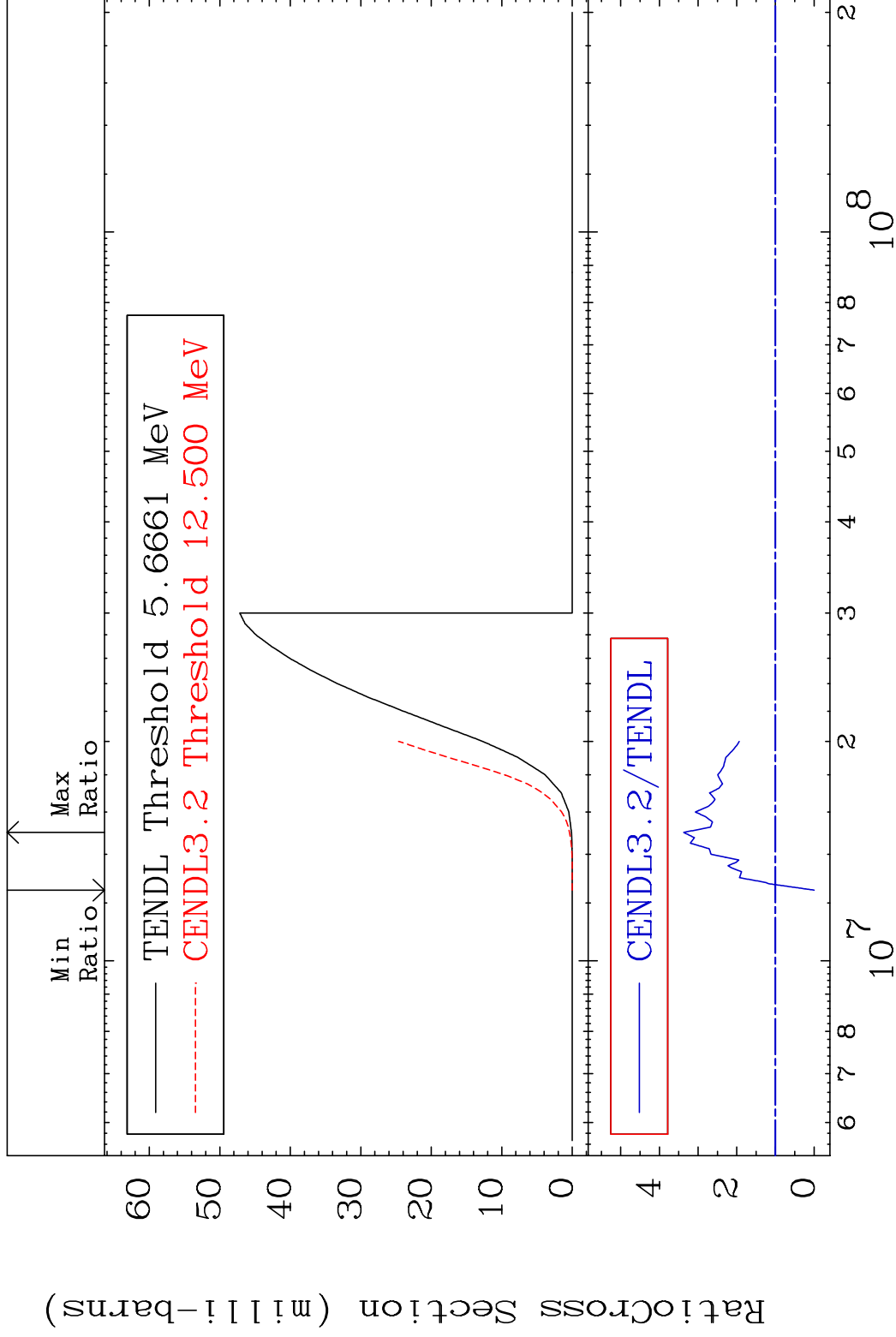
42-Mo-92

MAT 4225

(n, n')  $\alpha$

42-Mo-92

Cross Section -100.0 To 237.3 %

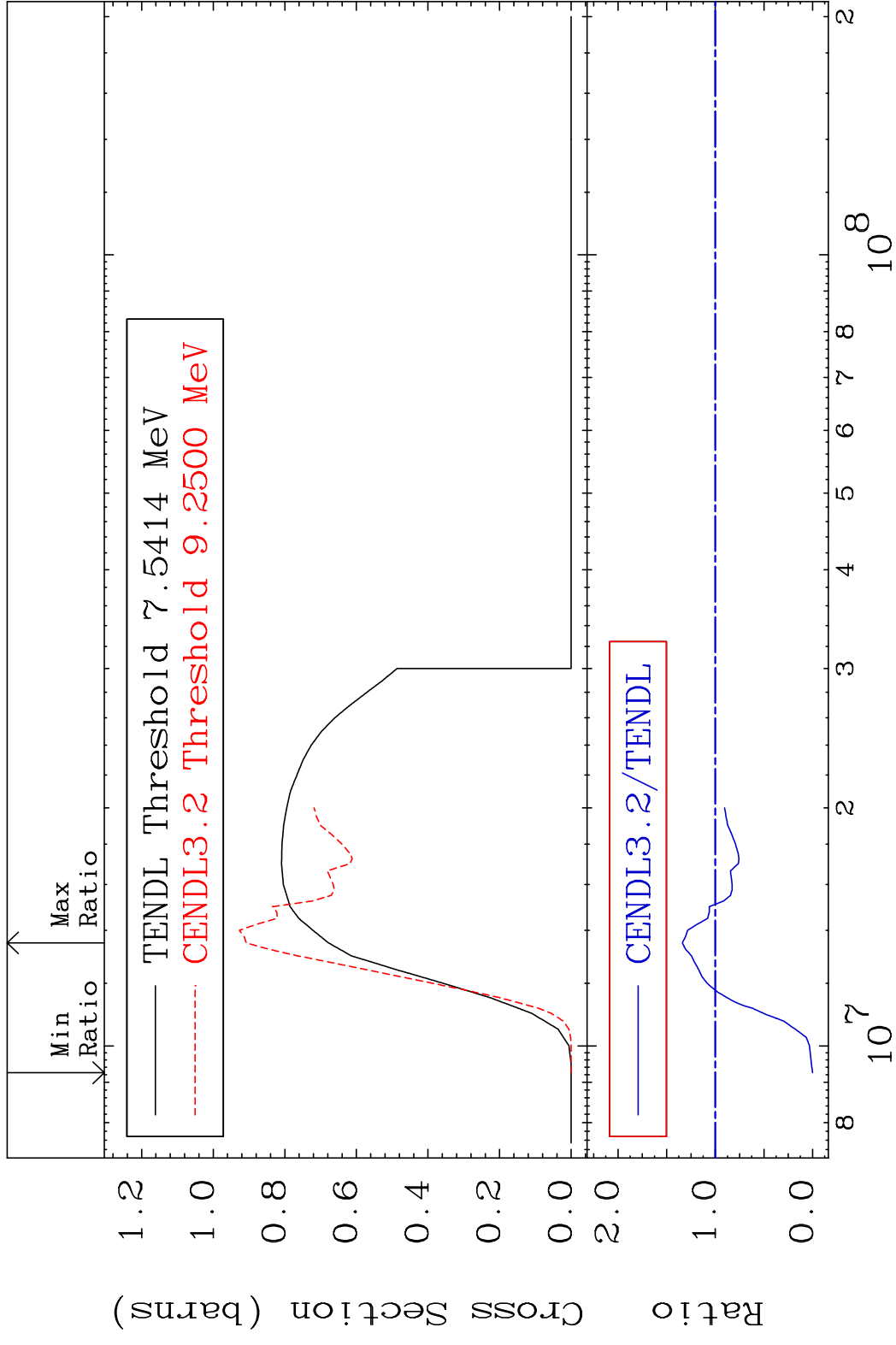


5

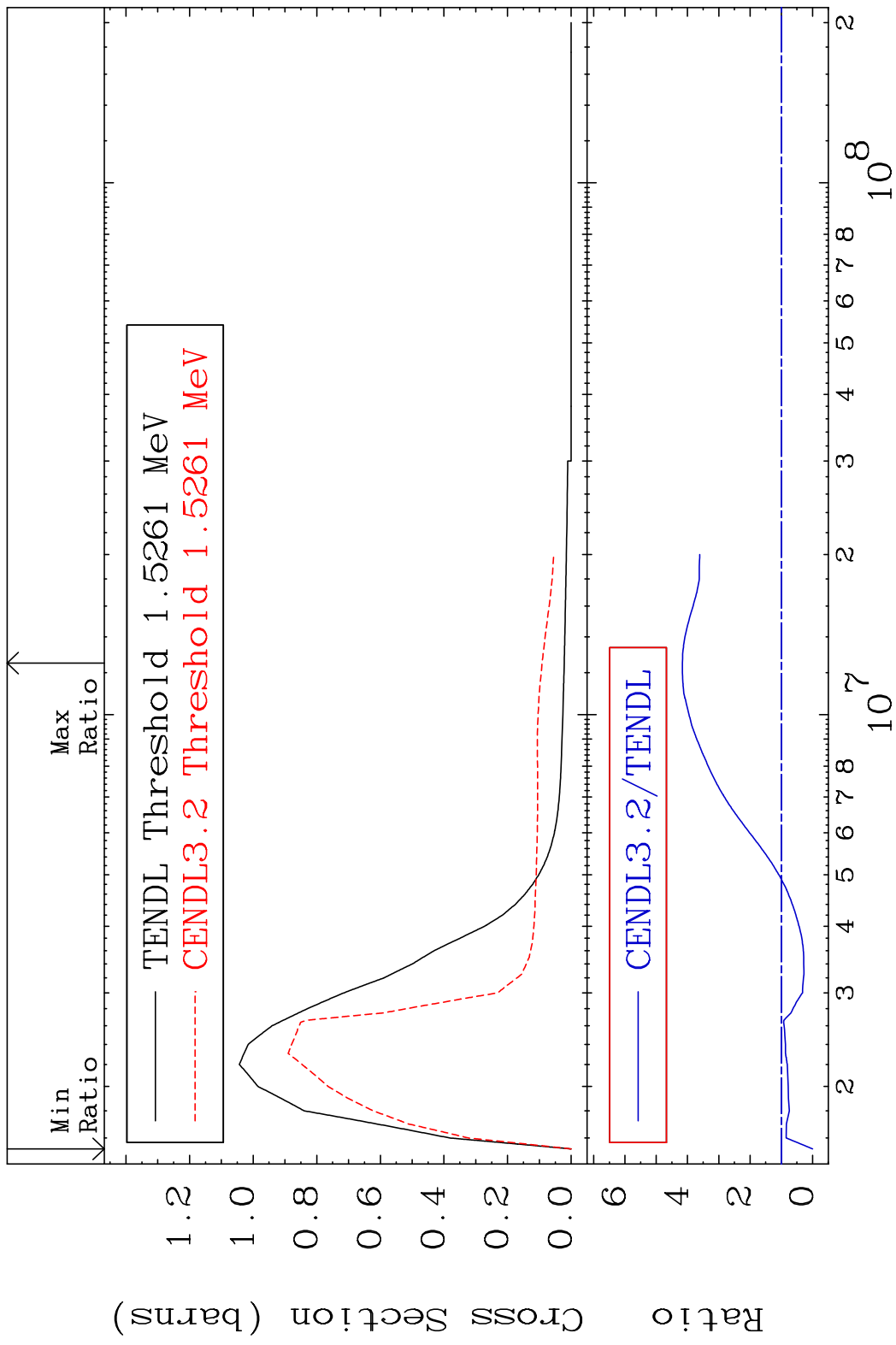
Incident Energy (eV)

42-Mo-92

MAT 4225 (n, n') p 42-Mo-92  
 Cross Section -100.0 To 33.87 %

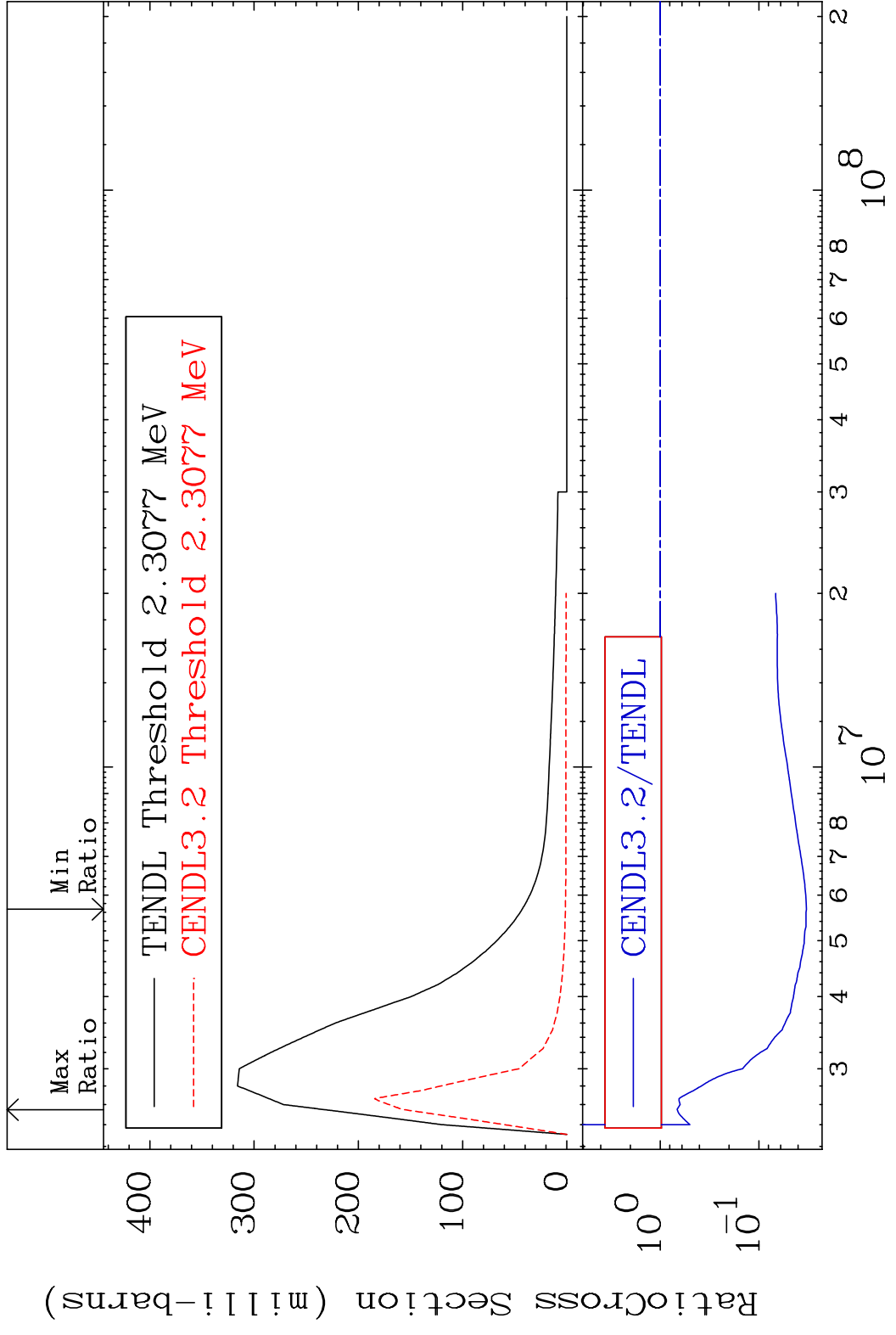


MAT 4225 MT= 51 (n, n') Level 42-Mo-92  
 Cross Section -100.0 To 316.5 %

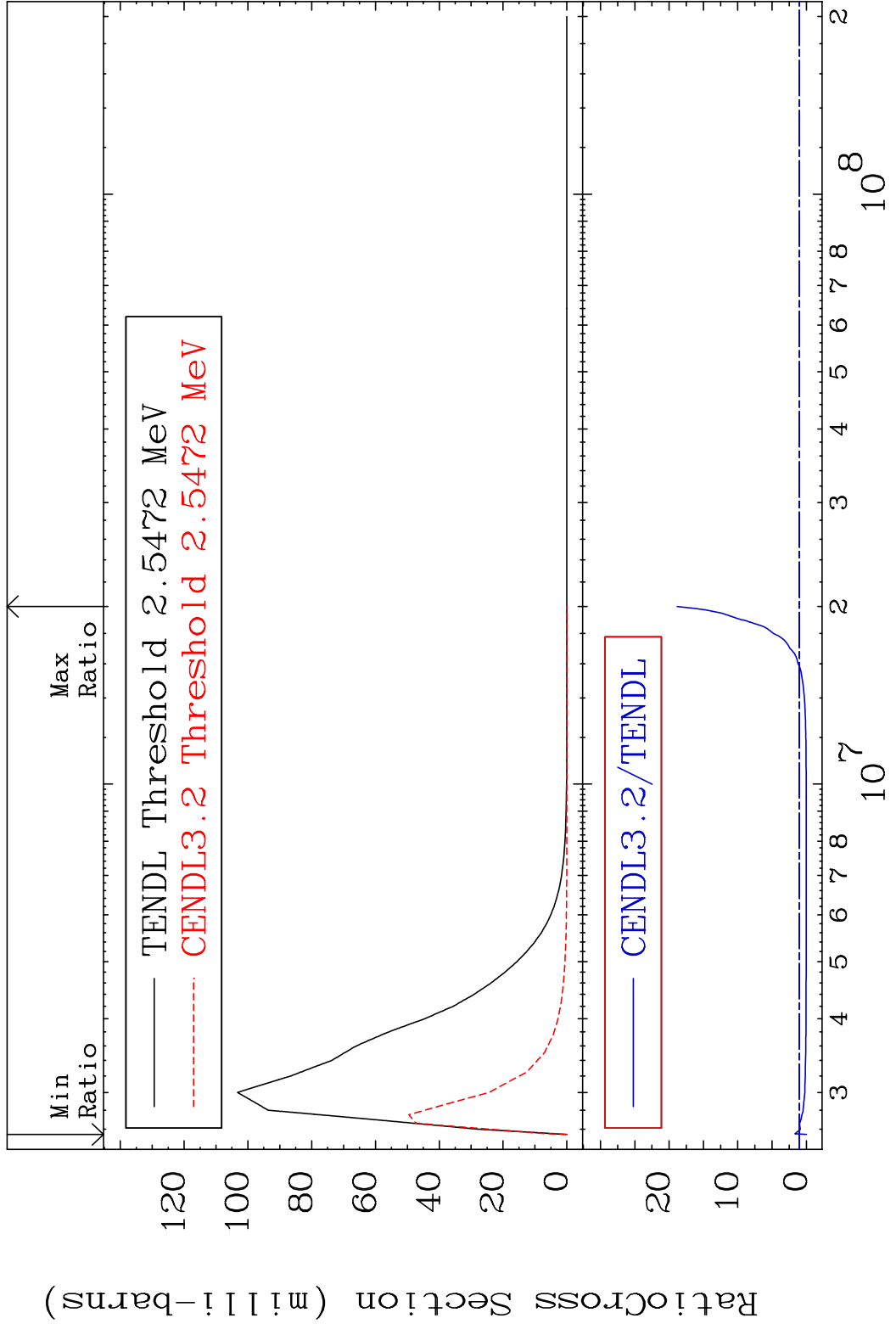




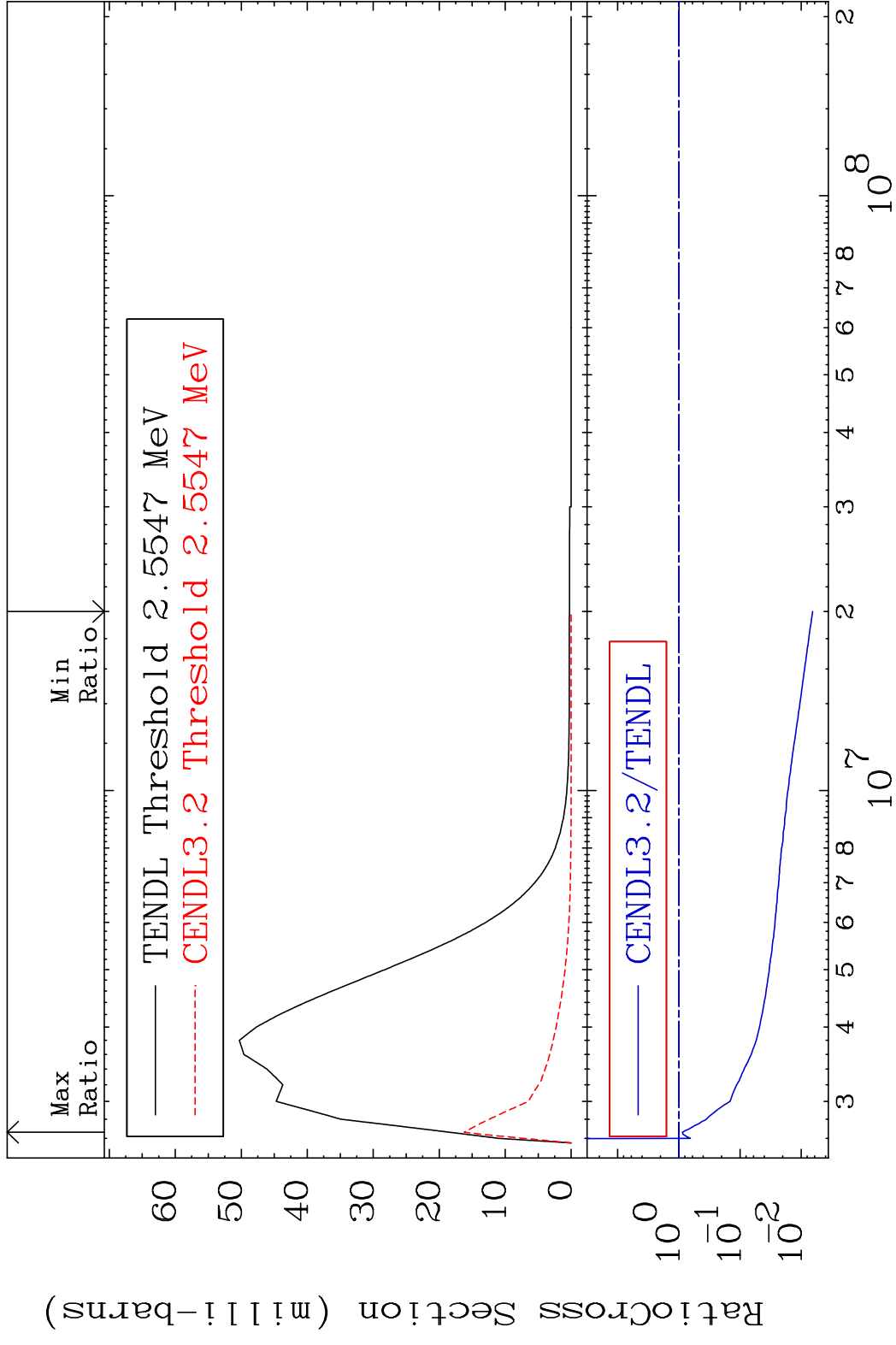
MAT 4225 MT= 52 (n,n') Level 42-Mo-92  
 Cross Section -96.71 To -32.82%



MAT 4225 MT= 53 (n, n') Level 42-Mo-92  
 Cross Section -100.0 To 1782. %

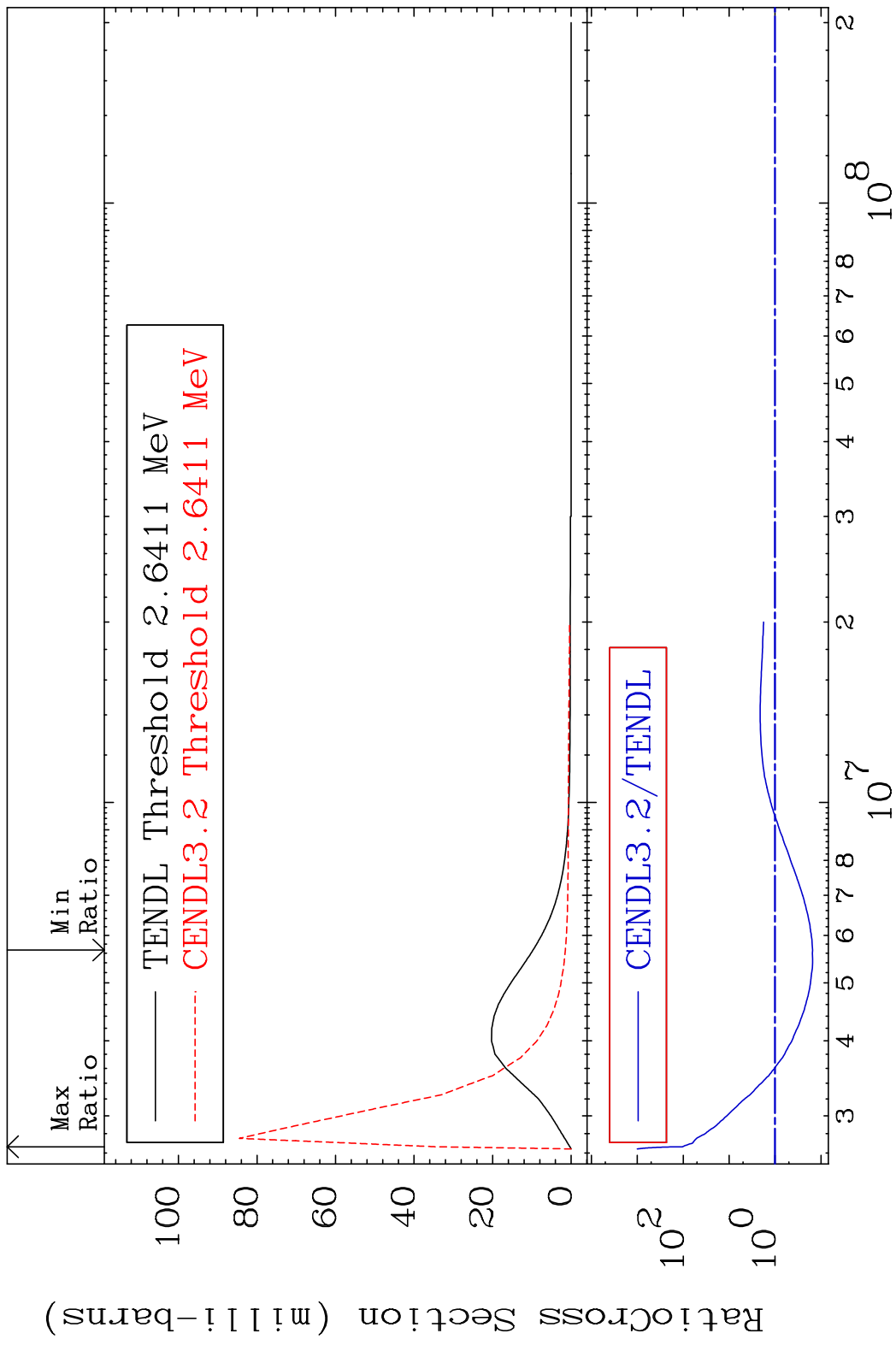


MAT 4225 MT= 54 (n, n') Level 42-Mo-92  
 Cross Section -99.35 To -12.33%

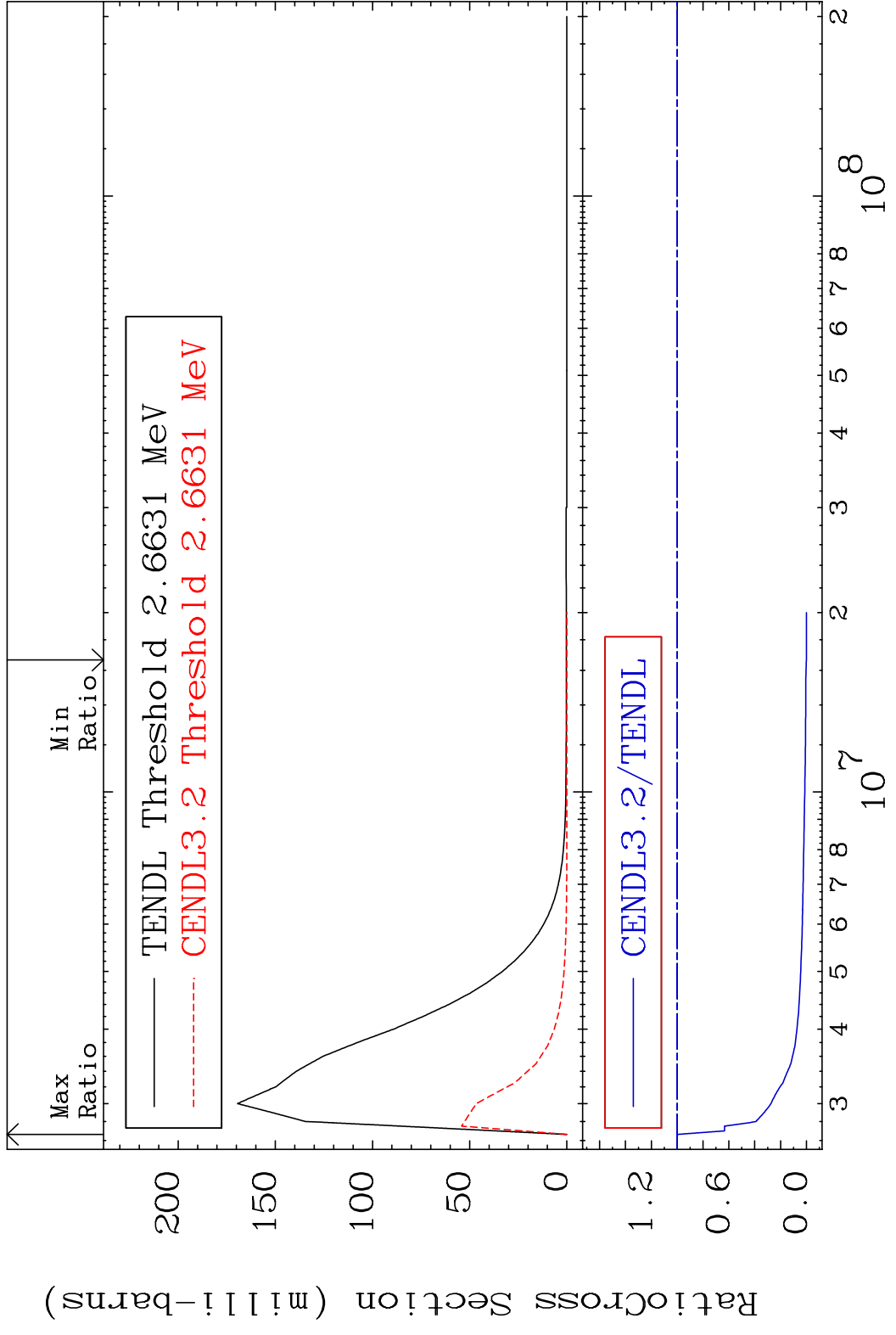


10 Incident Energy (eV) 42-Mo-92

MAT 4225 MT= 55 (n,n') Level 42-Mo-92  
 Cross Section -84.72 To 9999. %



MAT 4225 MT= 56 (n,n') Level 42-Mo-92  
 Cross Section -100.0 To 0.000 %

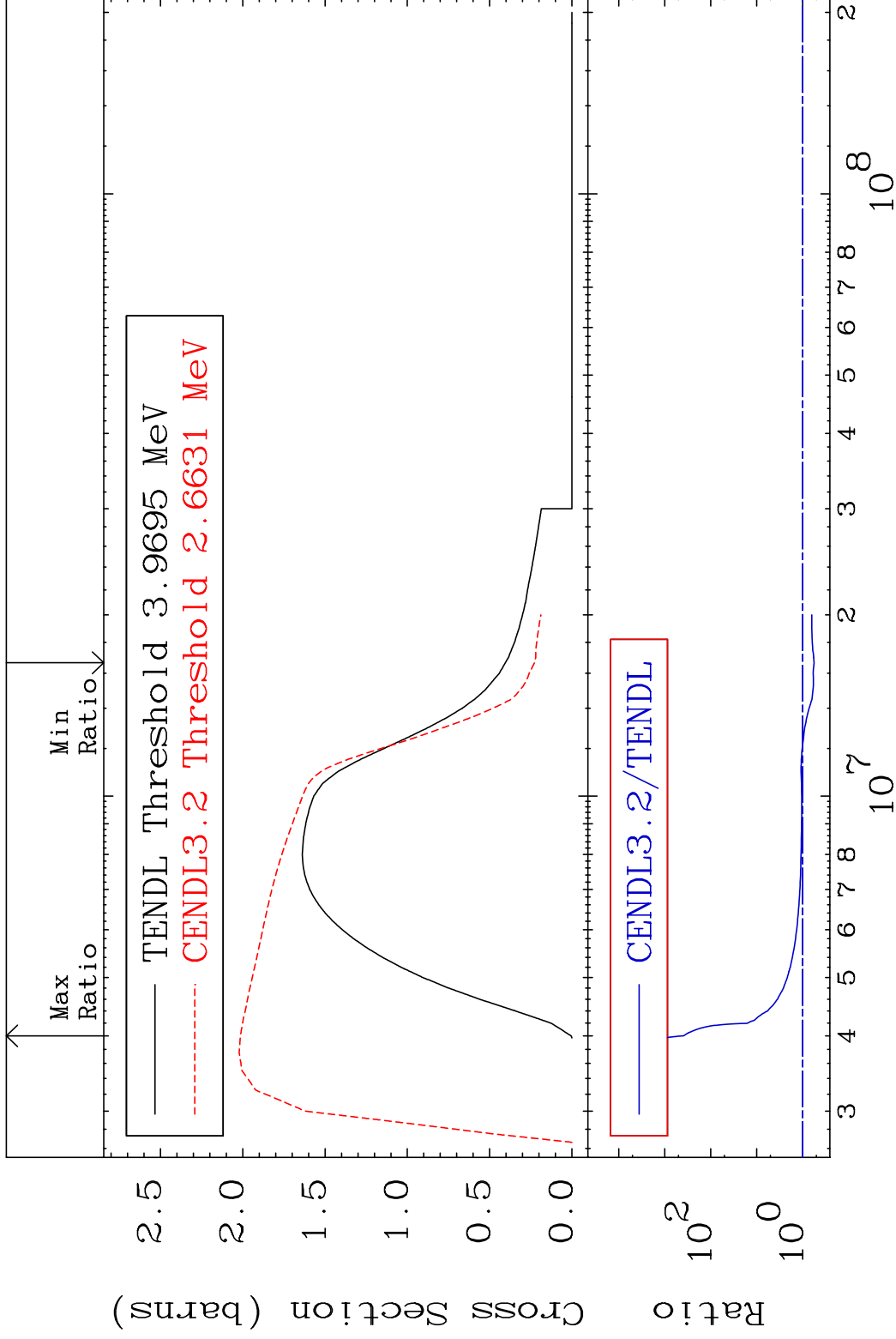


MAT 4225

(n,n') Continuum

42-Mo-92

Cross Section -43.78 To 9999. %



13

Incident Energy (eV)

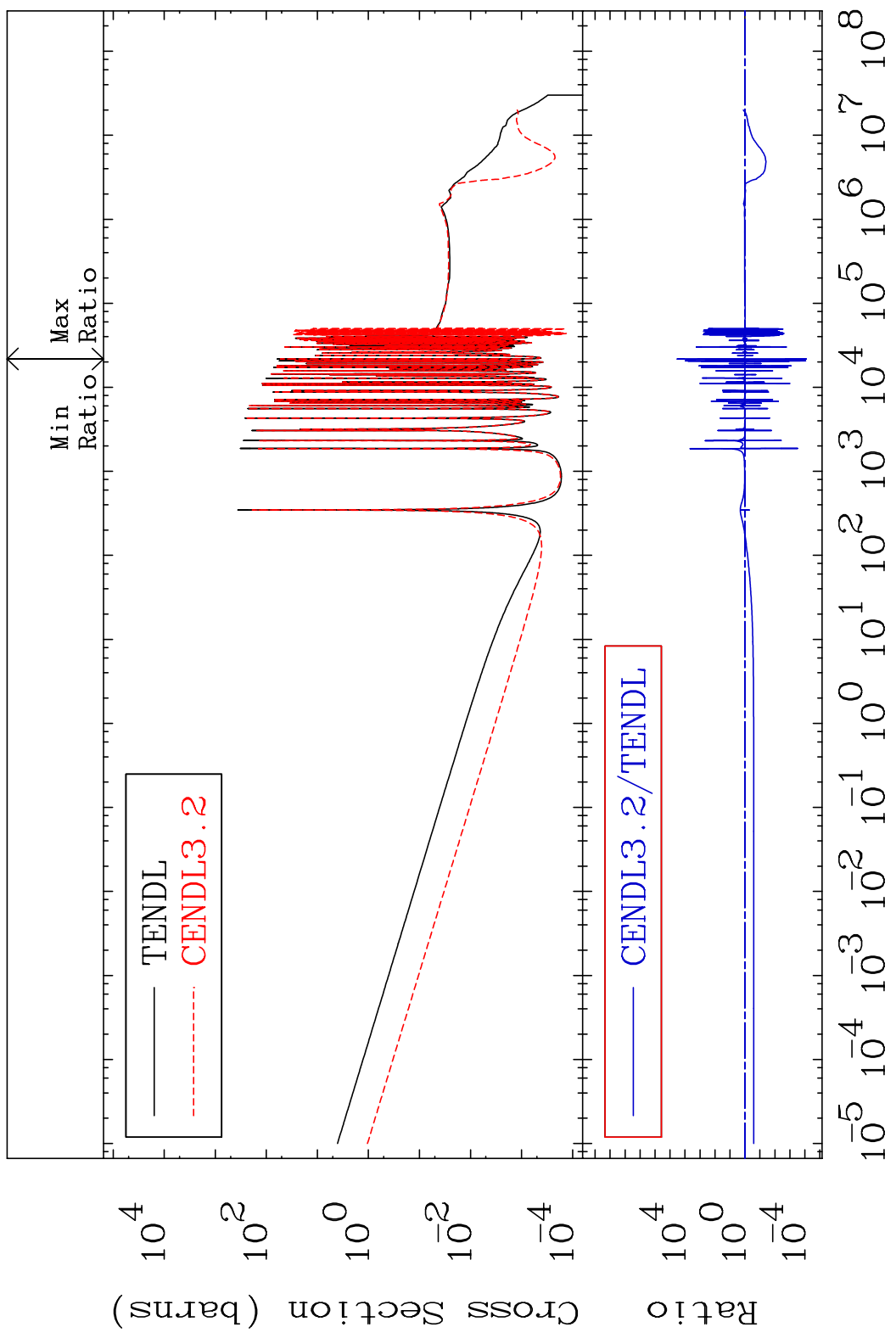
42-Mo-92

MAT 4225

(n,  $\gamma$ )

42-Mo-92

Cross Section -99.99 To 9999. %



14

Incident Energy (eV)

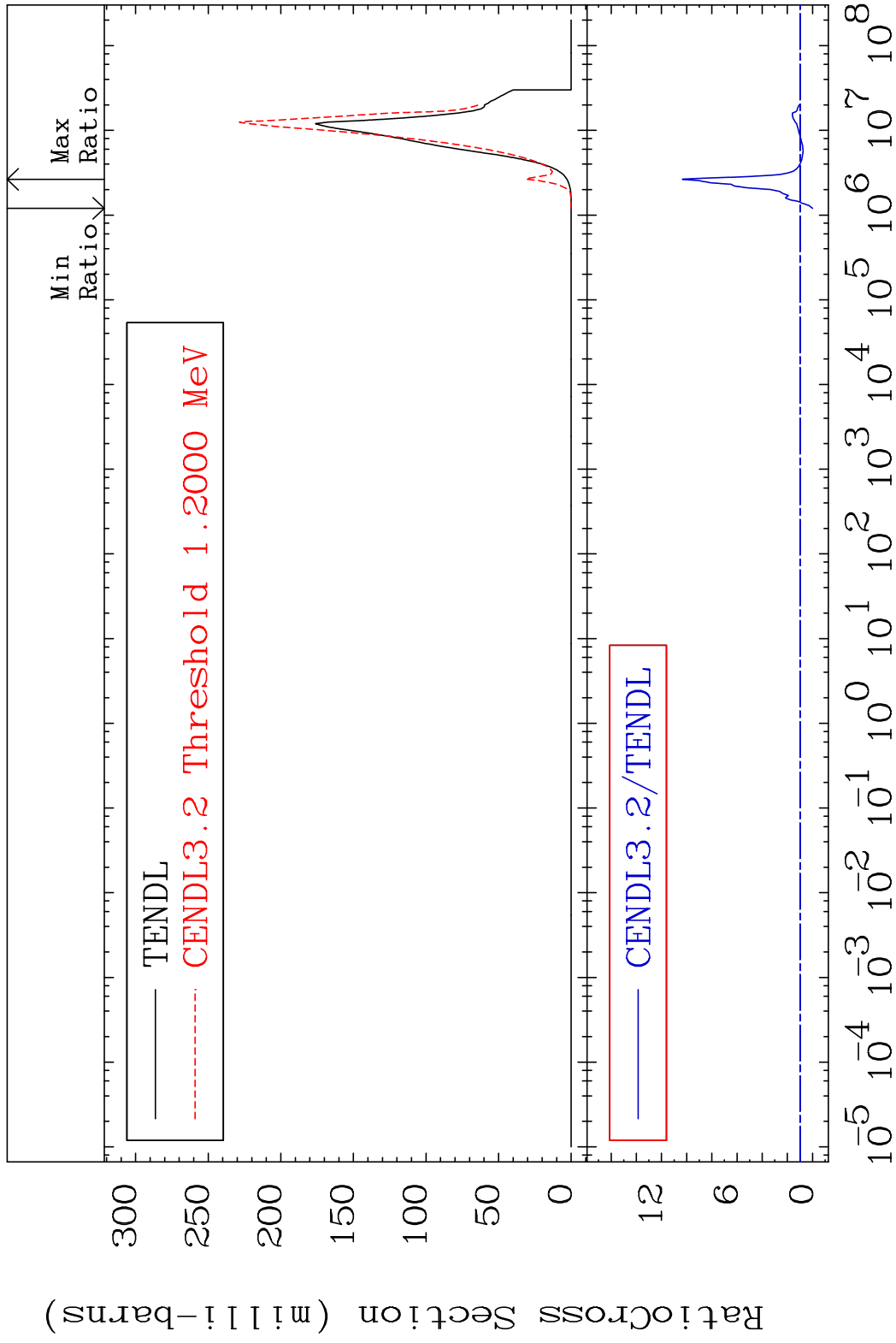
42-Mo-92

MAT 4225

(n, p)

42-Mo-92

Cross Section -100.0 To 934.3 %



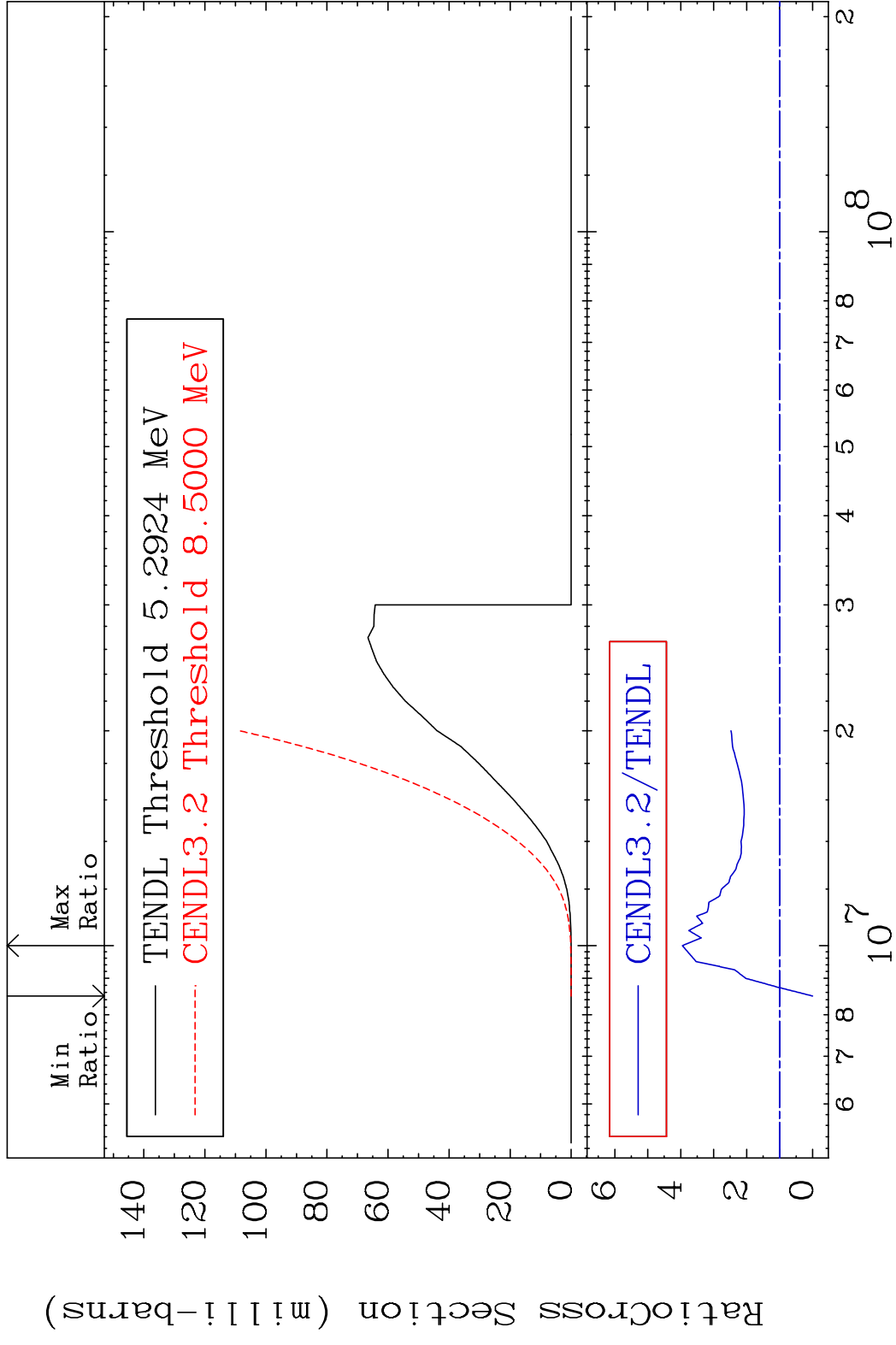
15

Incident Energy (eV)

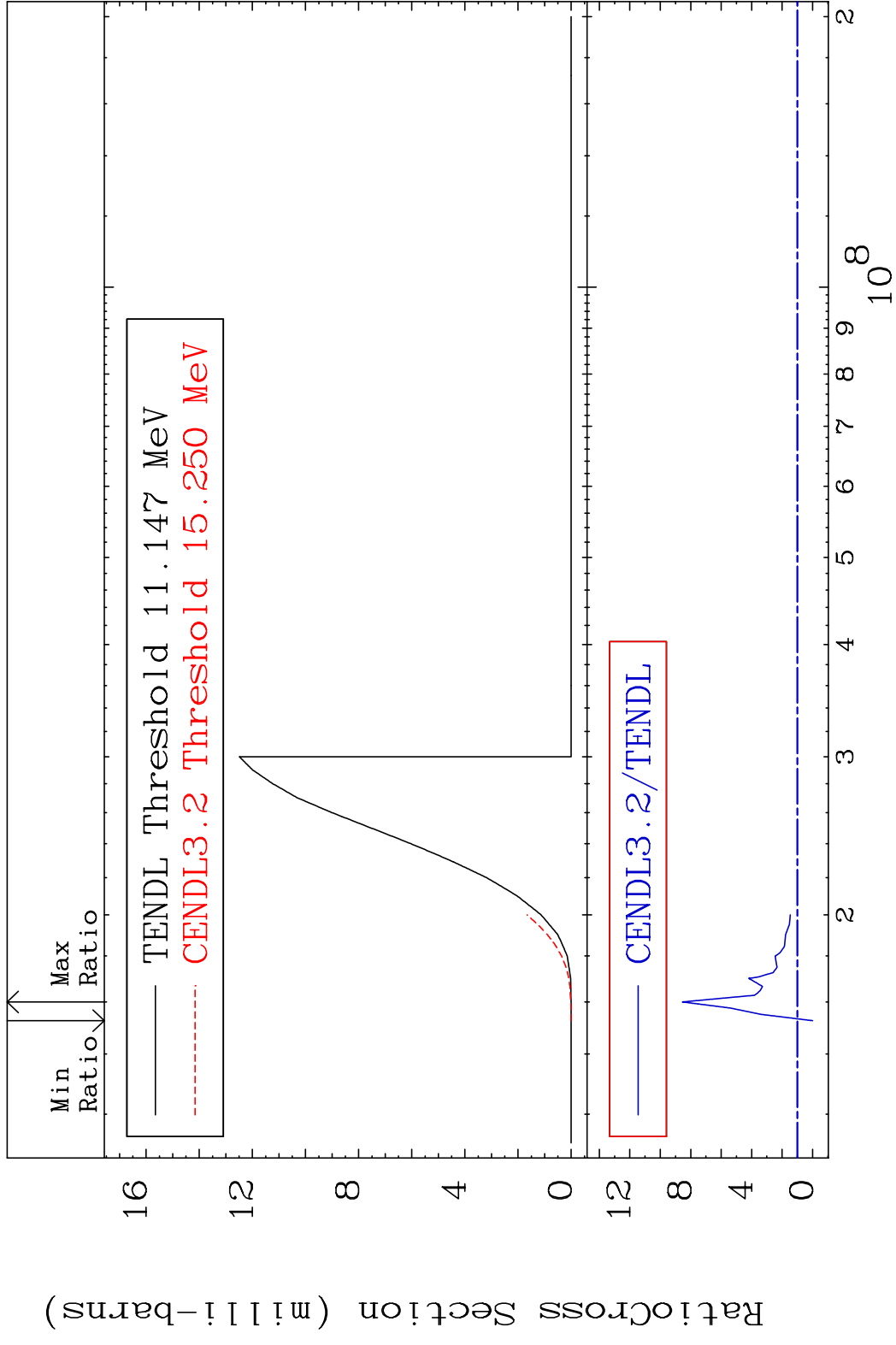
42-Mo-92



MAT 4225 (n,d) 42-Mo-92  
 Cross Section -100.0 To 295.0 %



MAT 4225 (n, t) 42-Mo-92  
 Cross Section -100.0 To 755.0 %

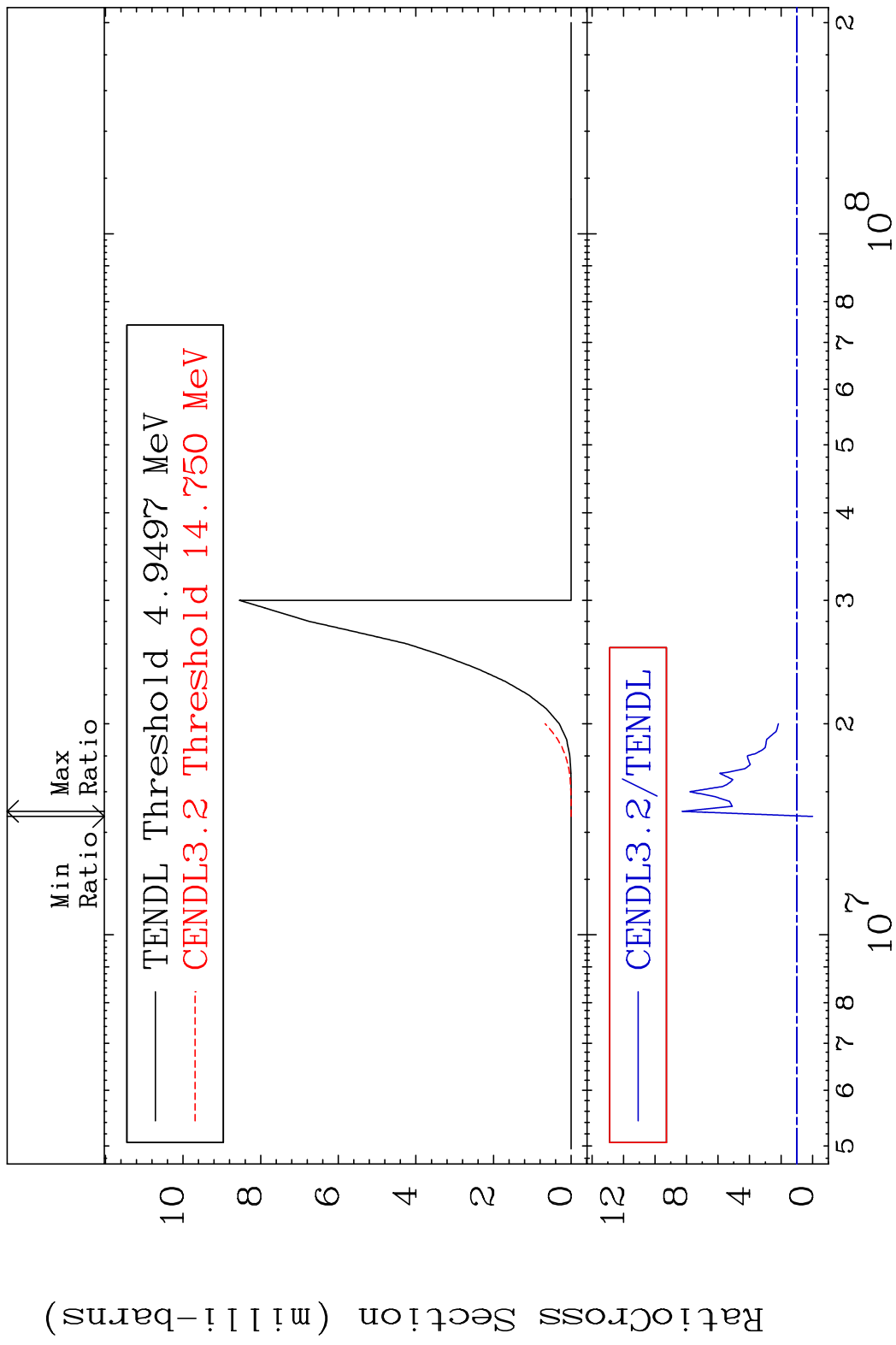


MAT 4225

(n, He-3)

42-Mo-92

Cross Section -100.0 To 726.4 %



18

Incident Energy (eV)

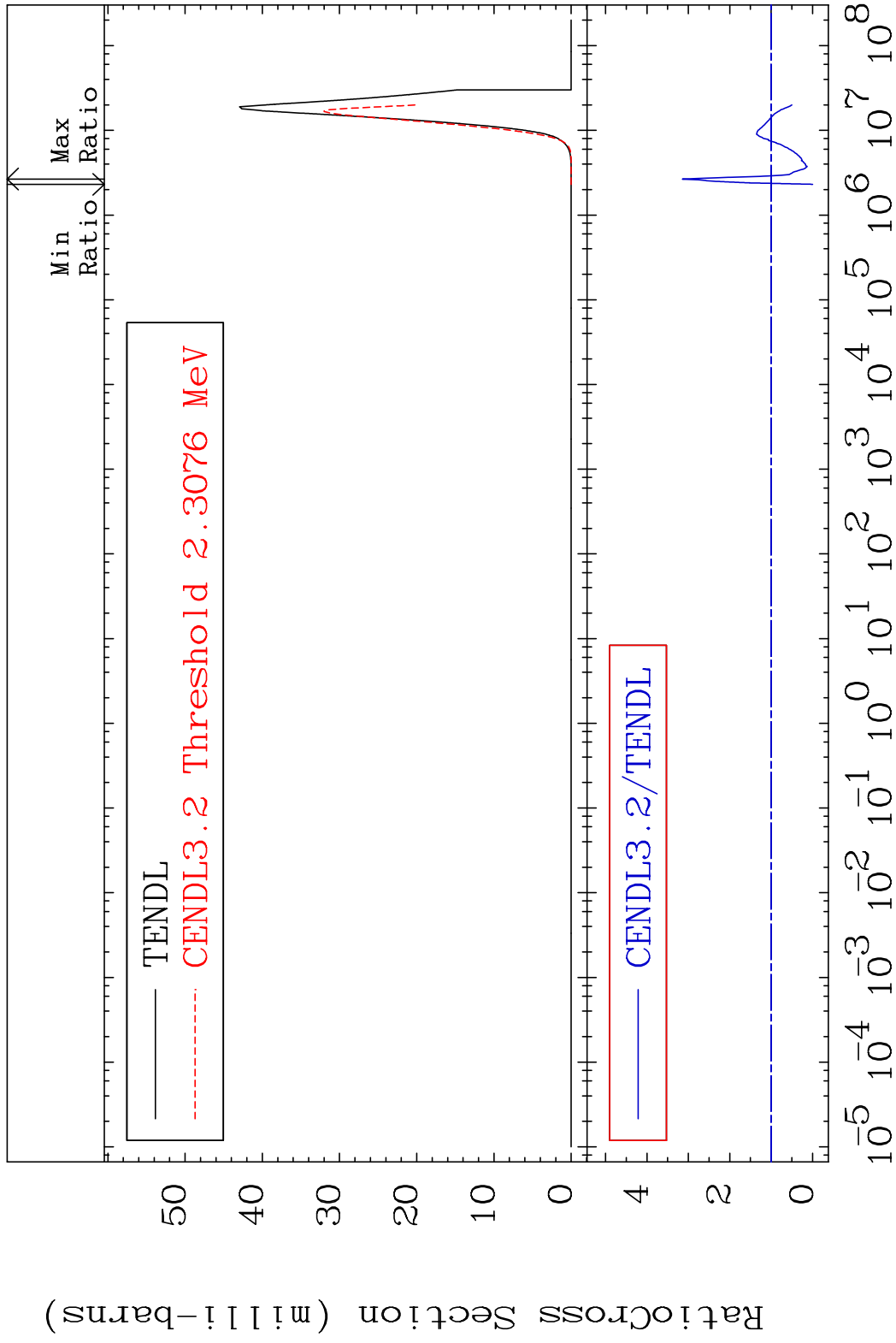
42-Mo-92

MAT 4225

(n,  $\alpha$ )

42-Mo-92

Cross Section -100.0 To 214.5 %



19

Incident Energy (eV)

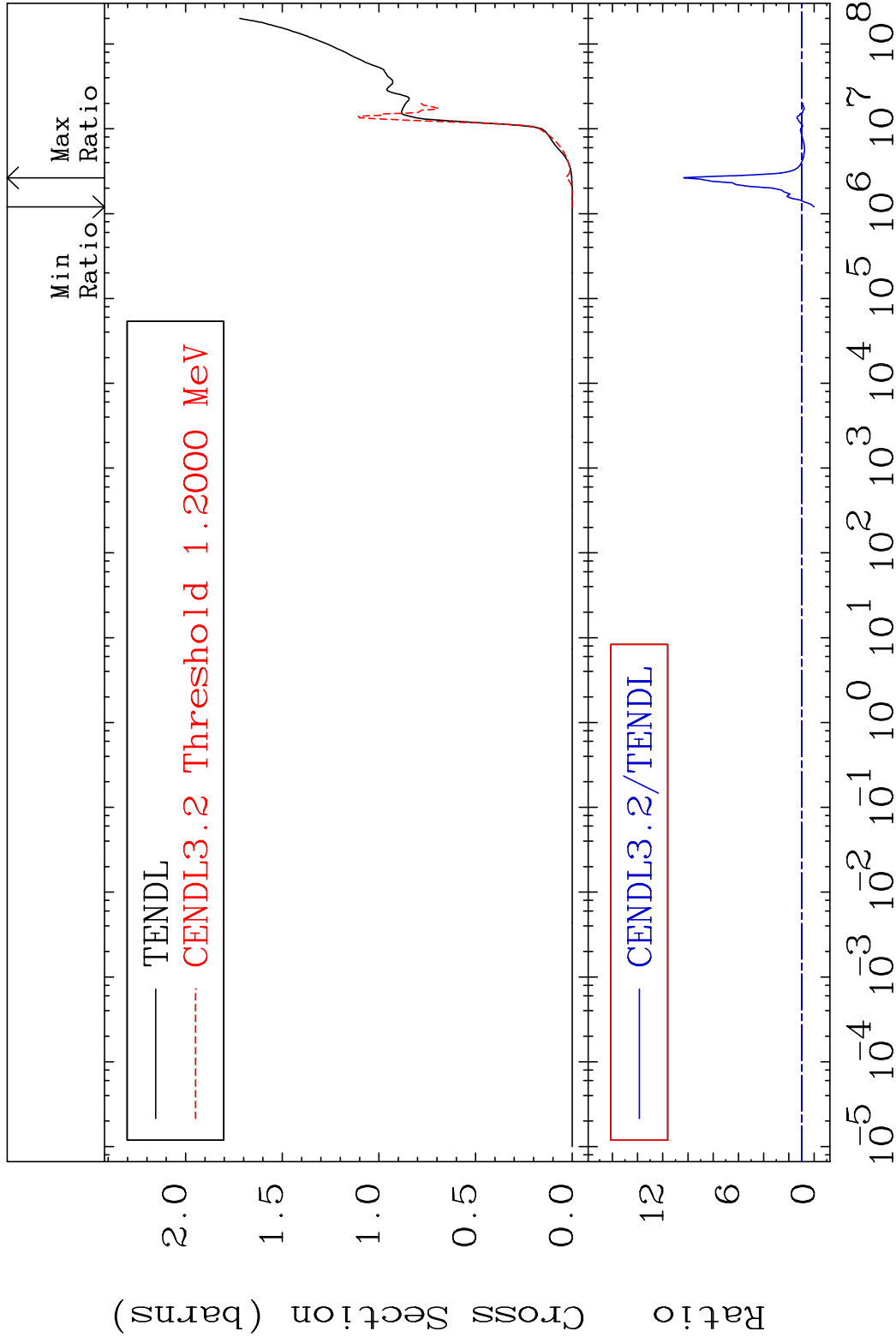
42-Mo-92

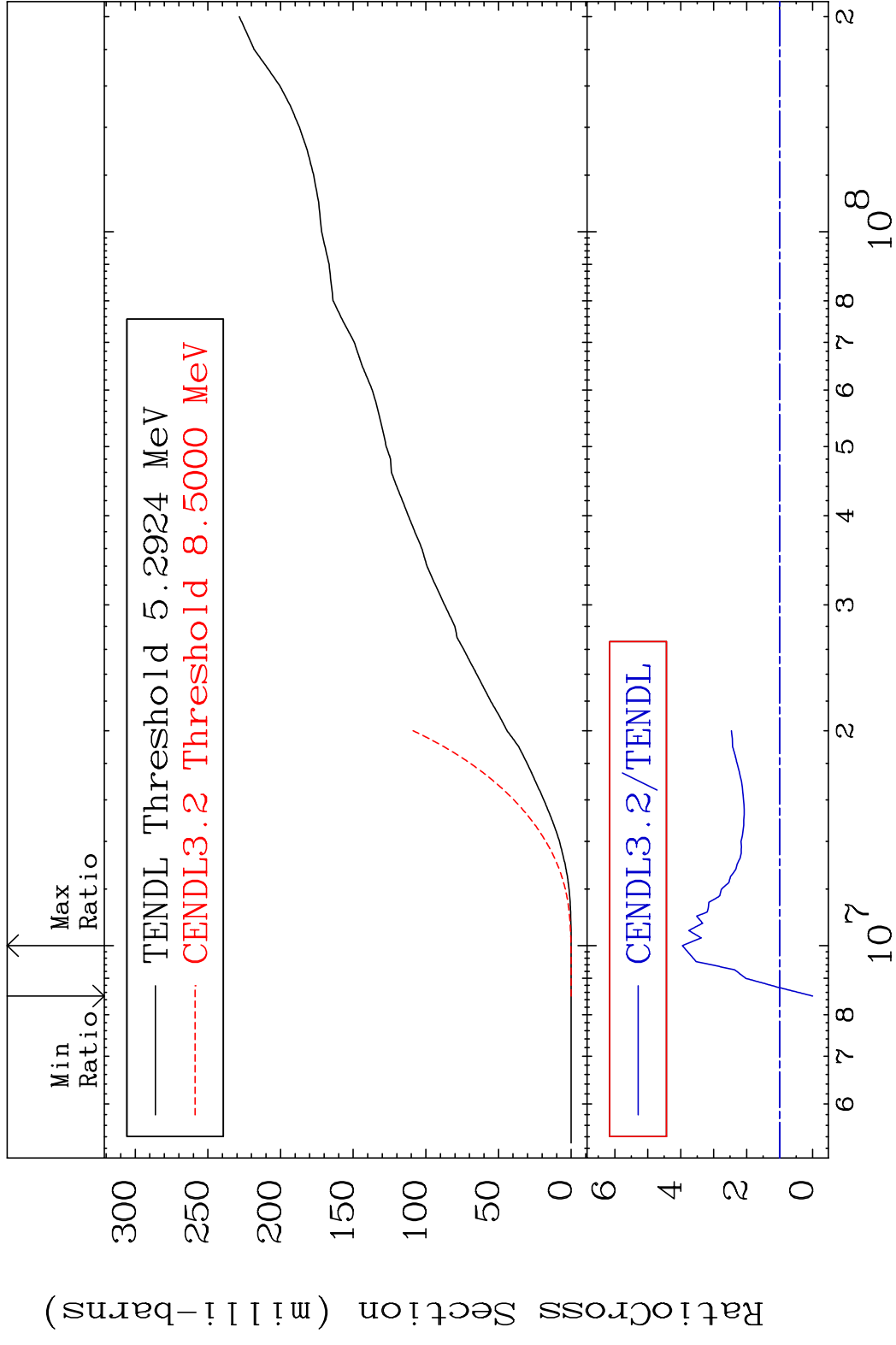
MAT 4225

Hydrogen Production

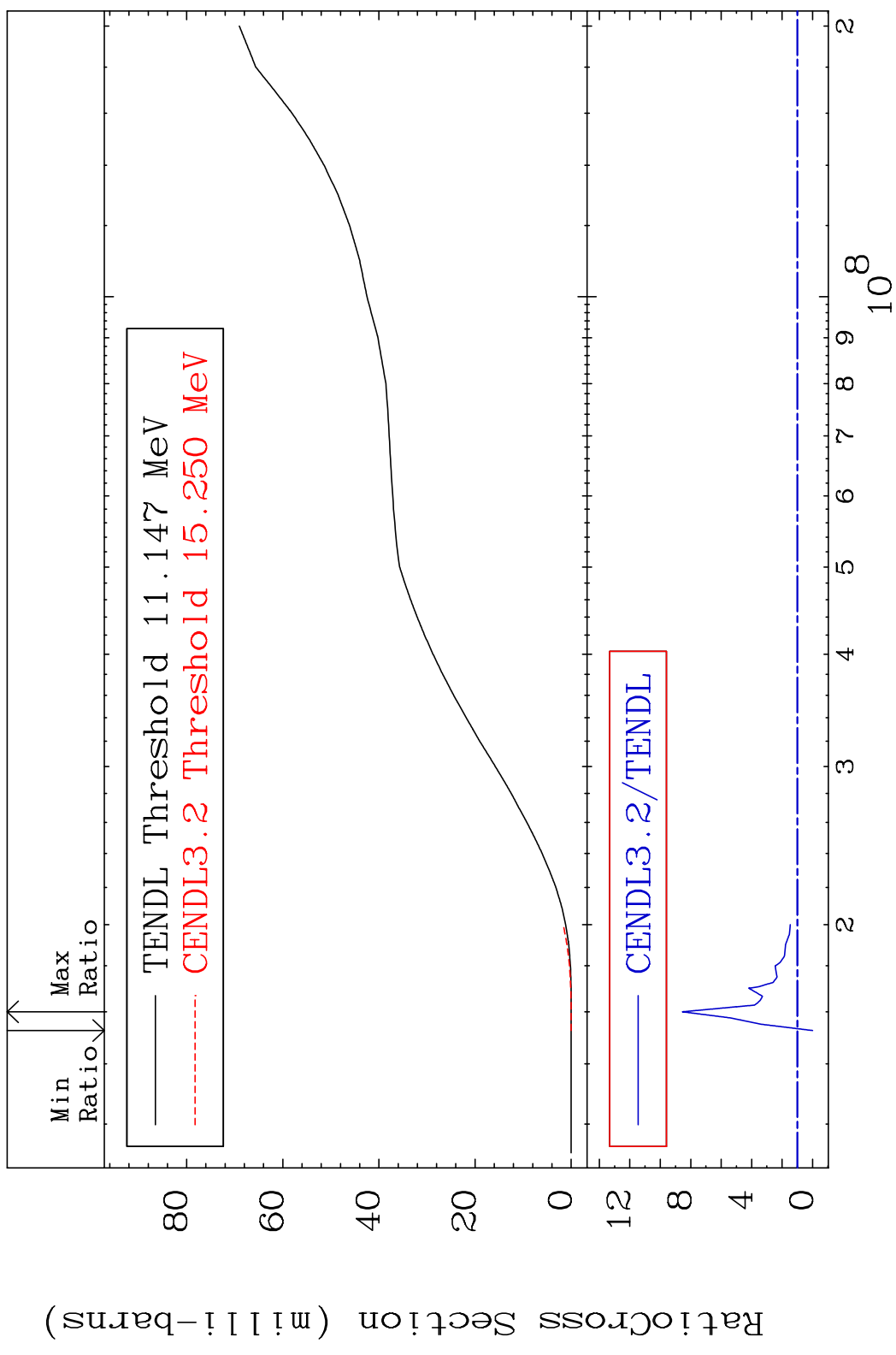
42-Mo-92

Cross Section -100.0 To 934.3 %





Cross Section -100.0 To 755.0 %

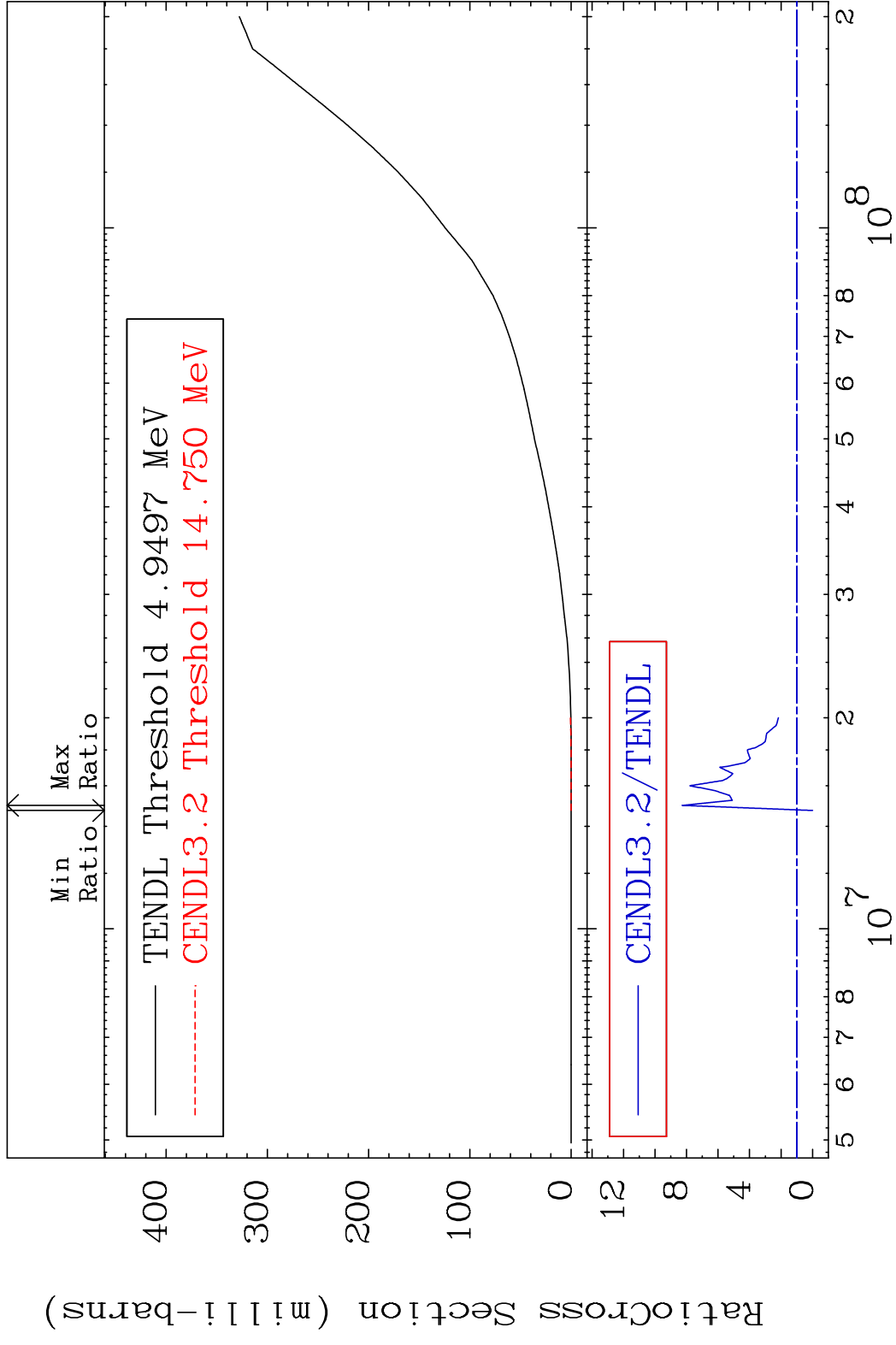


MAT 4225

He-3 Production

42-Mo-92

Cross Section -100.0 To 726.4 %



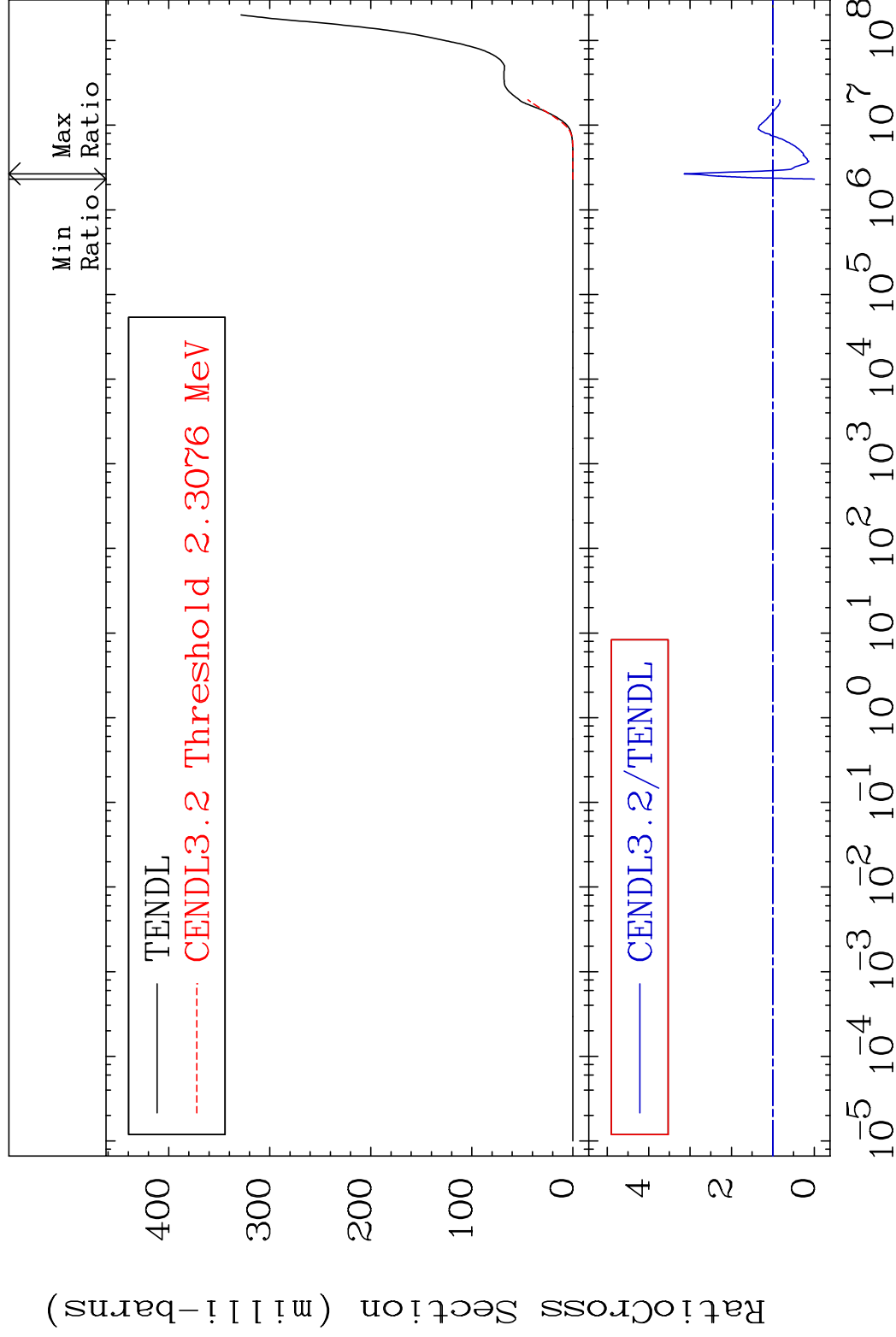


MAT 4225

He-4 Production

42-Mo-92

Cross Section -100.0 To 214.5 %

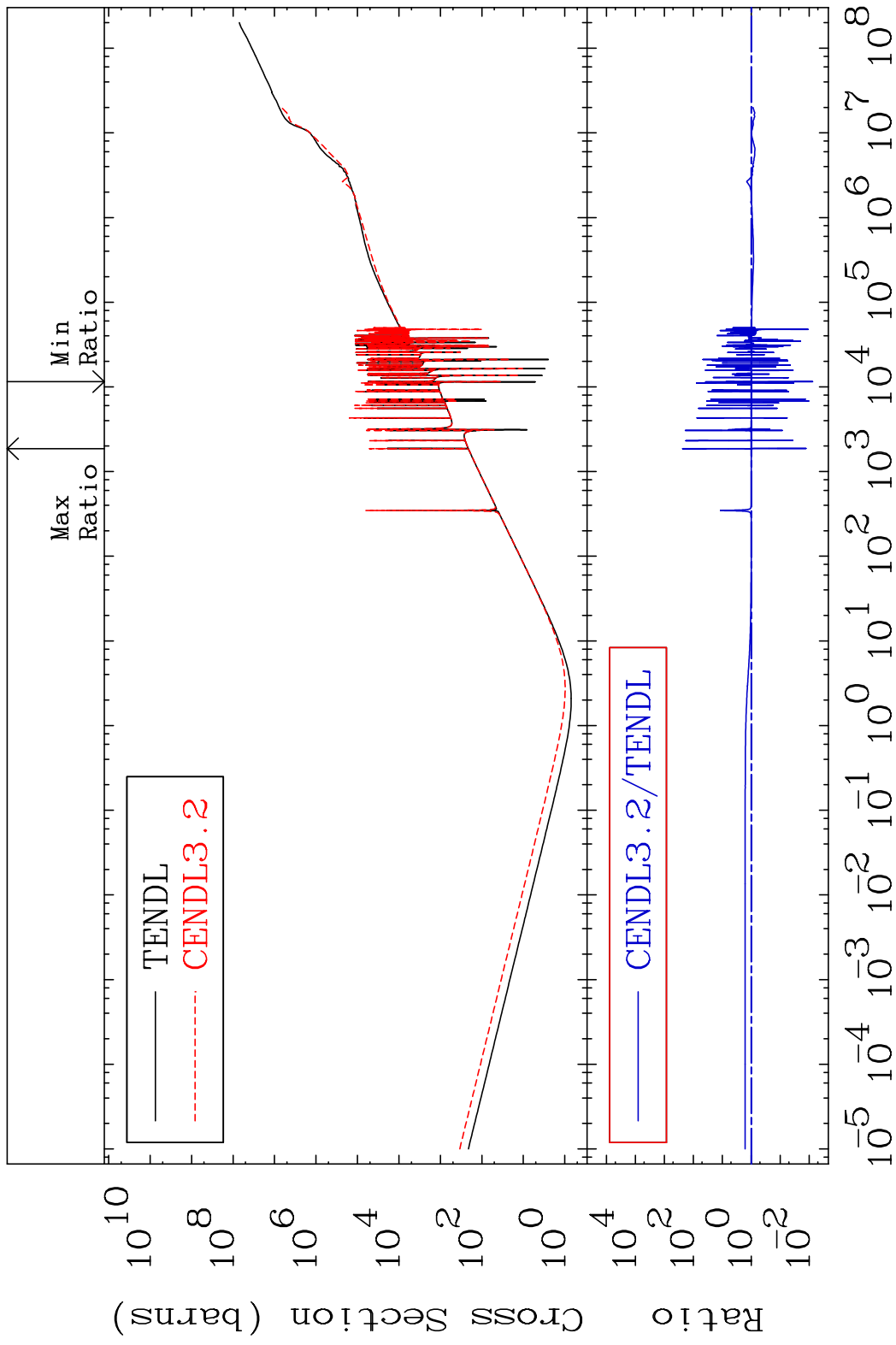


24

Incident Energy (eV)

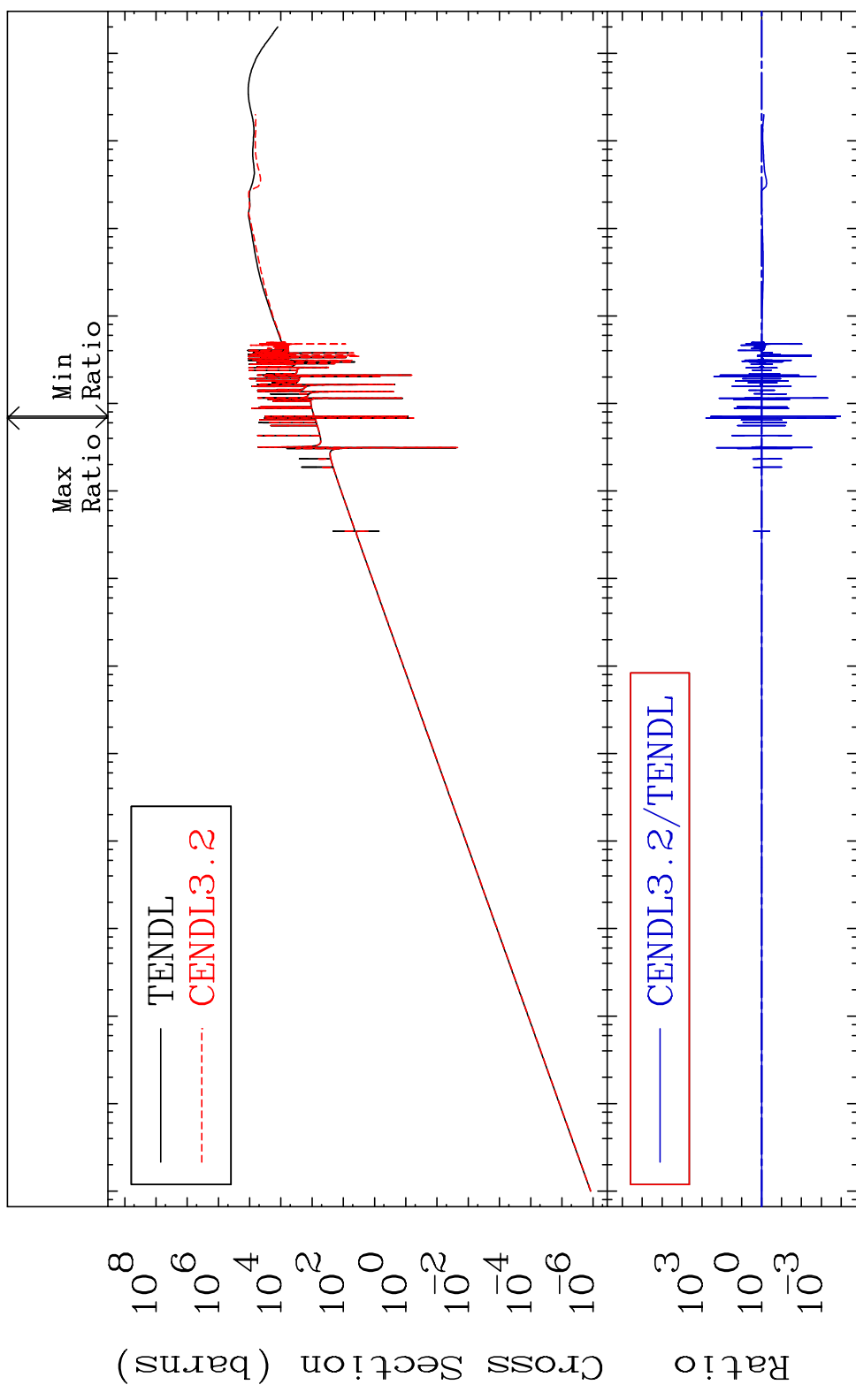
42-Mo-92

MAT 4225 Kerma total (eV-barns) 42-Mo-92  
 Cross Section -99.24 To 9999. %



MAT 4225

Kerma elastic Cross Section -99.99 To 9999. % 42-Mo-92

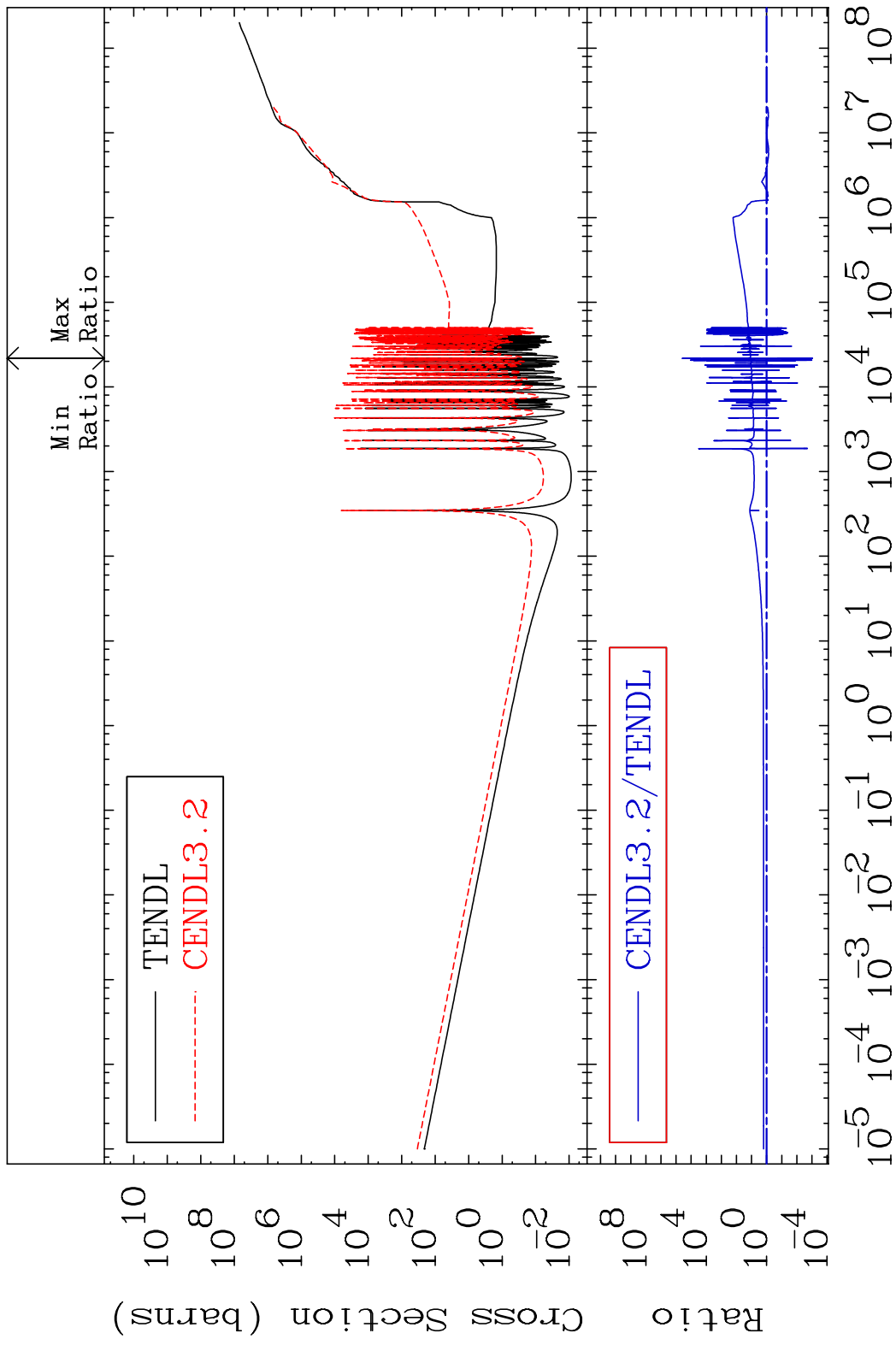


26

Incident Energy (eV)

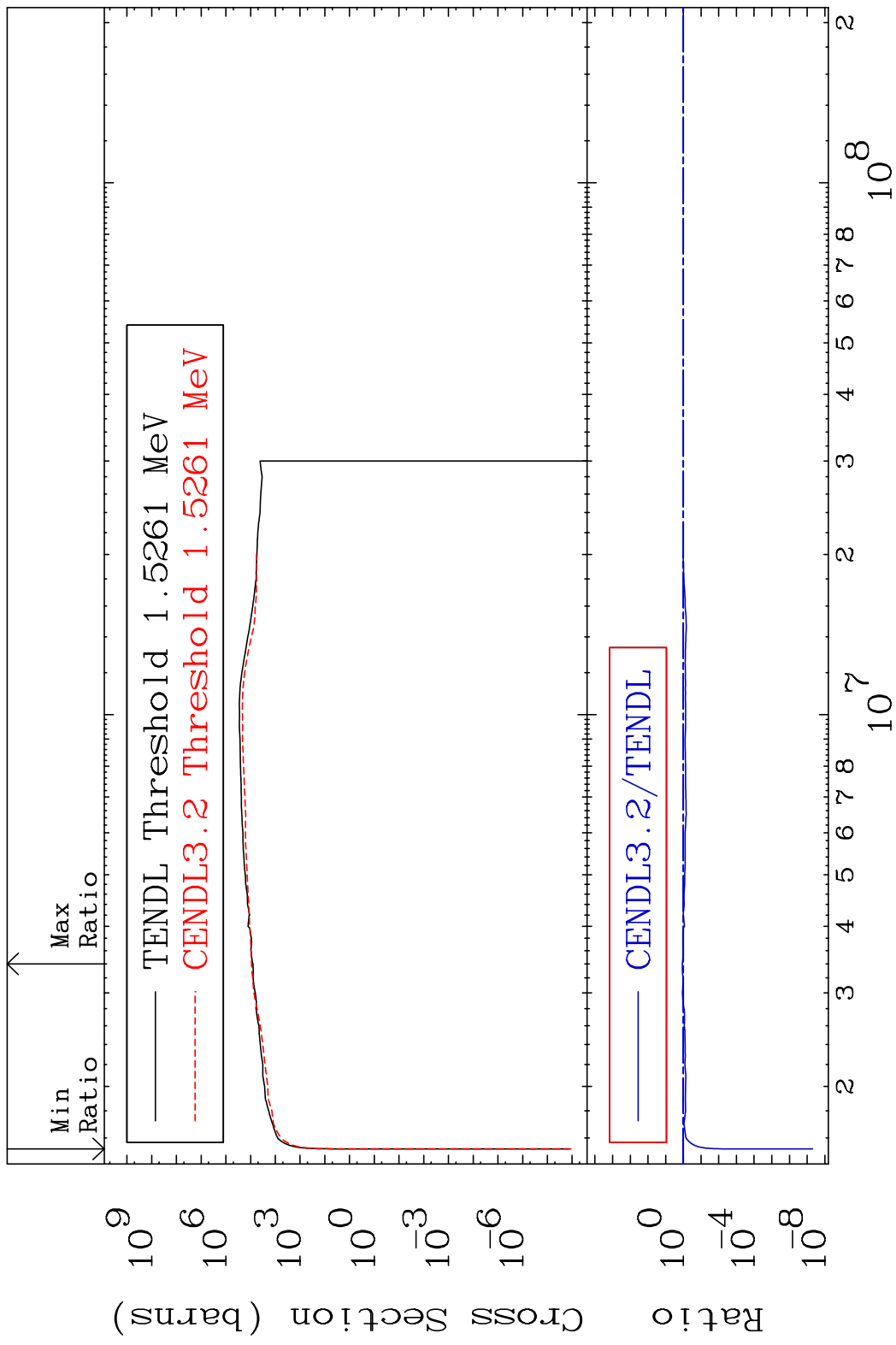
42-Mo-92

MAT 4225 Kerma non-elastic (all but mt2) 42-Mo-92  
 Cross Section -99.91 To 9999. %

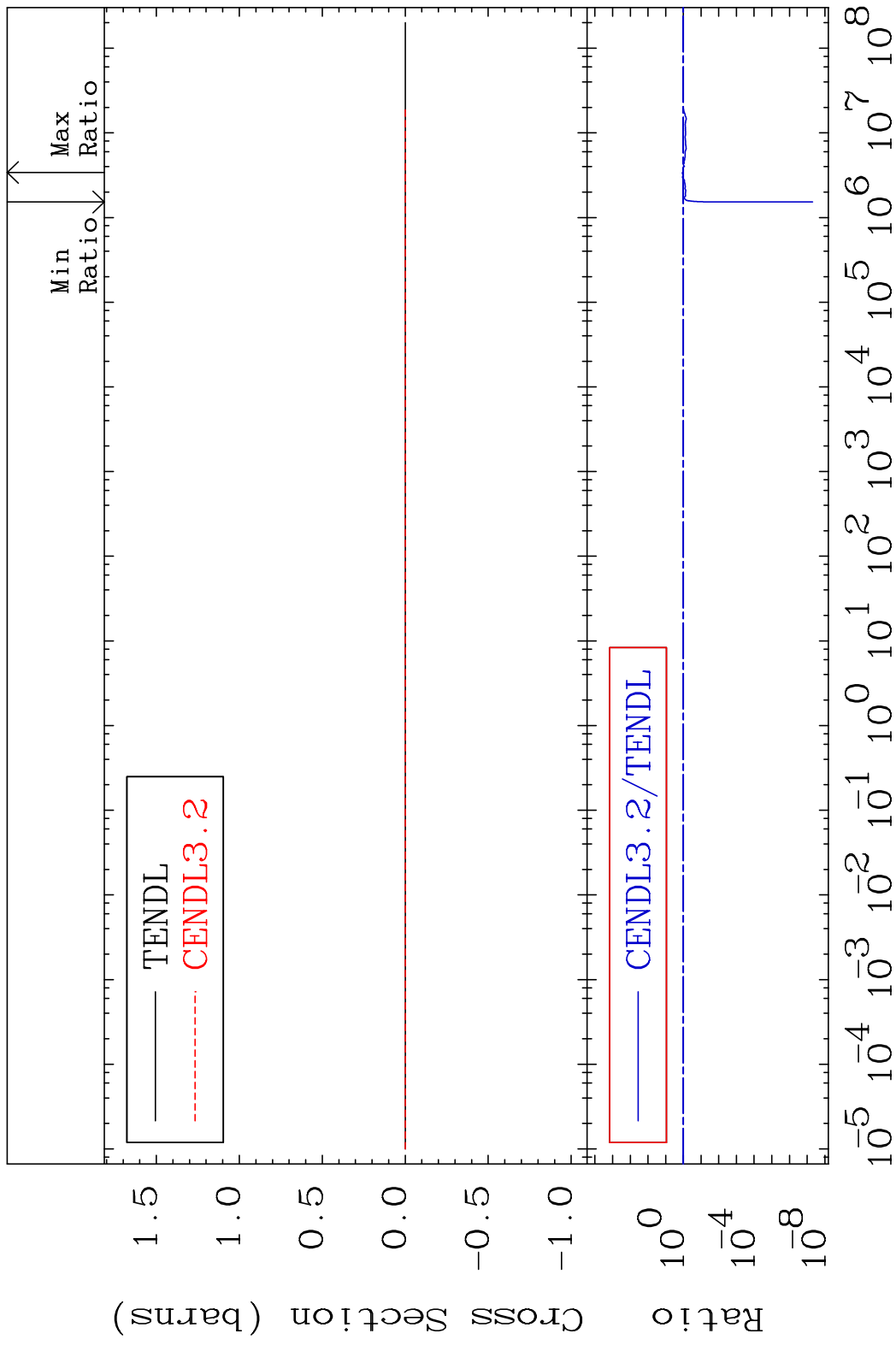


27 Incident Energy (eV) 42-Mo-92

MAT 4225 Kerma inelastic (mt51-91) 42-Mo-92  
 Cross Section -100.0 To 13.75 %

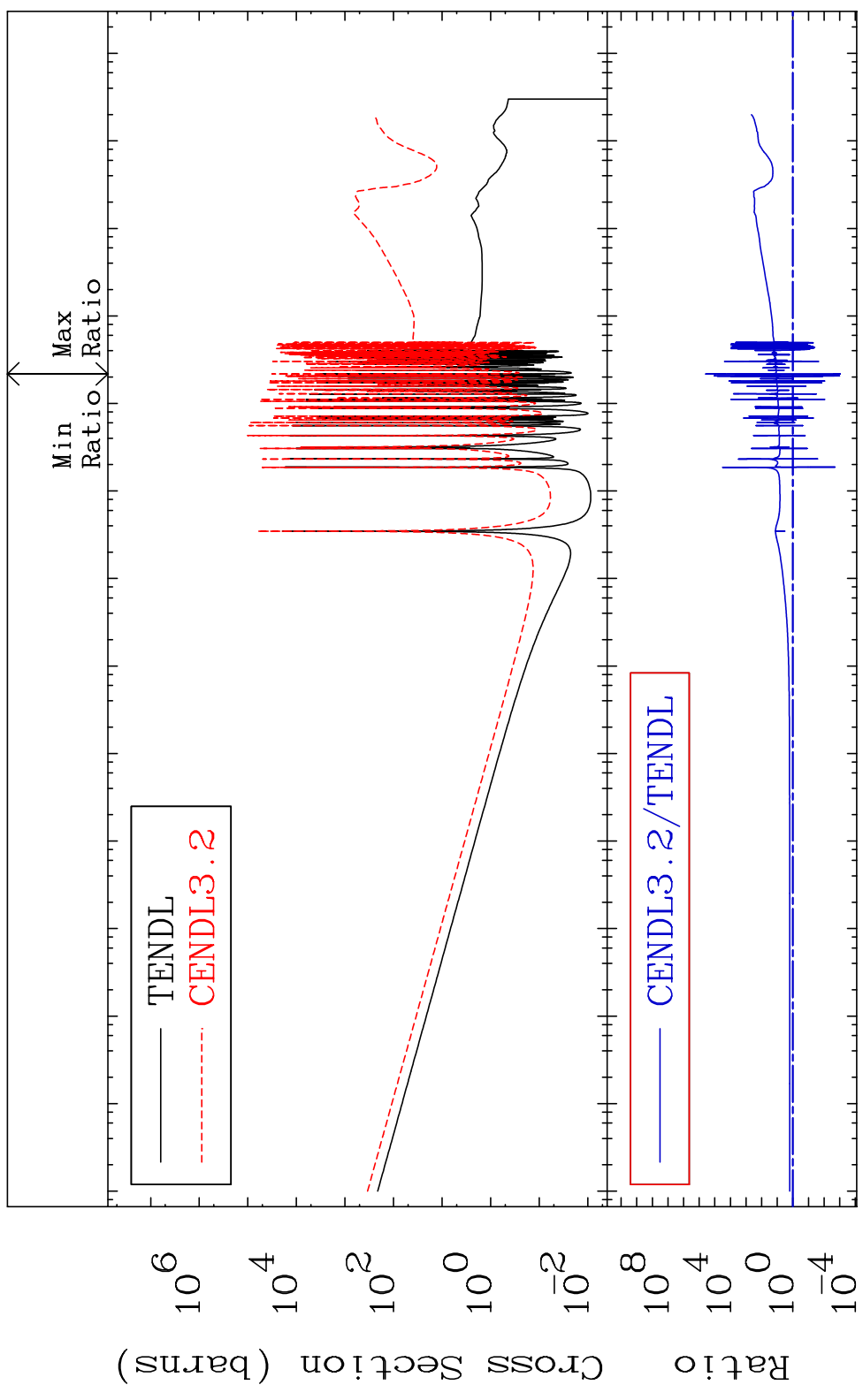


MAT 4225 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-92  
 Cross Section -100.0 To 13.75 %



MAT 4225

Kerma capture (mt102) 42-Mo-92  
Cross Section -99.91 To 9999. %

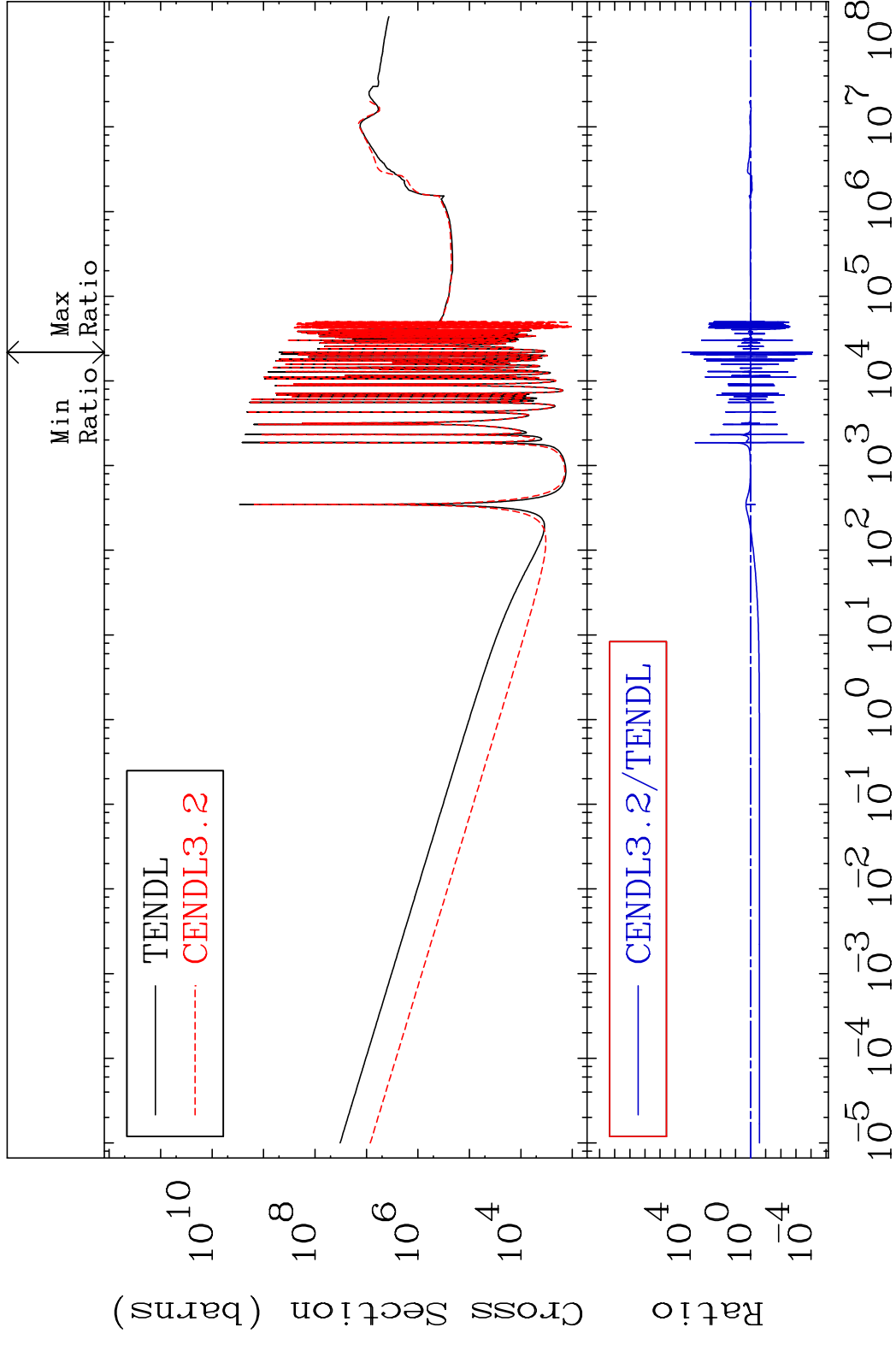


30

Incident Energy (eV)

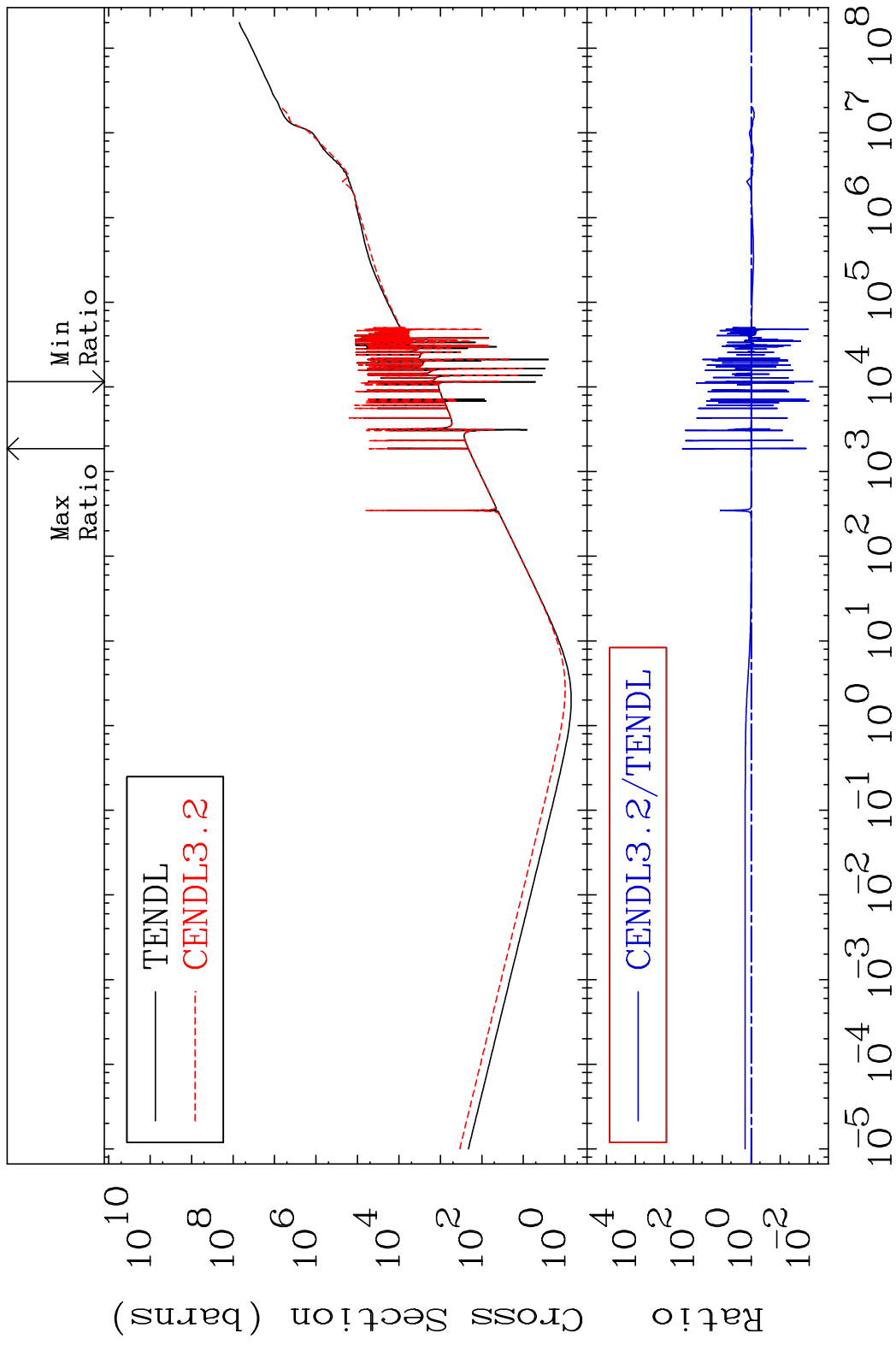
42-Mo-92

MAT 4225 Total photon (eV-barns) 42-Mo-92  
 Cross Section -99.99 To 9999. %

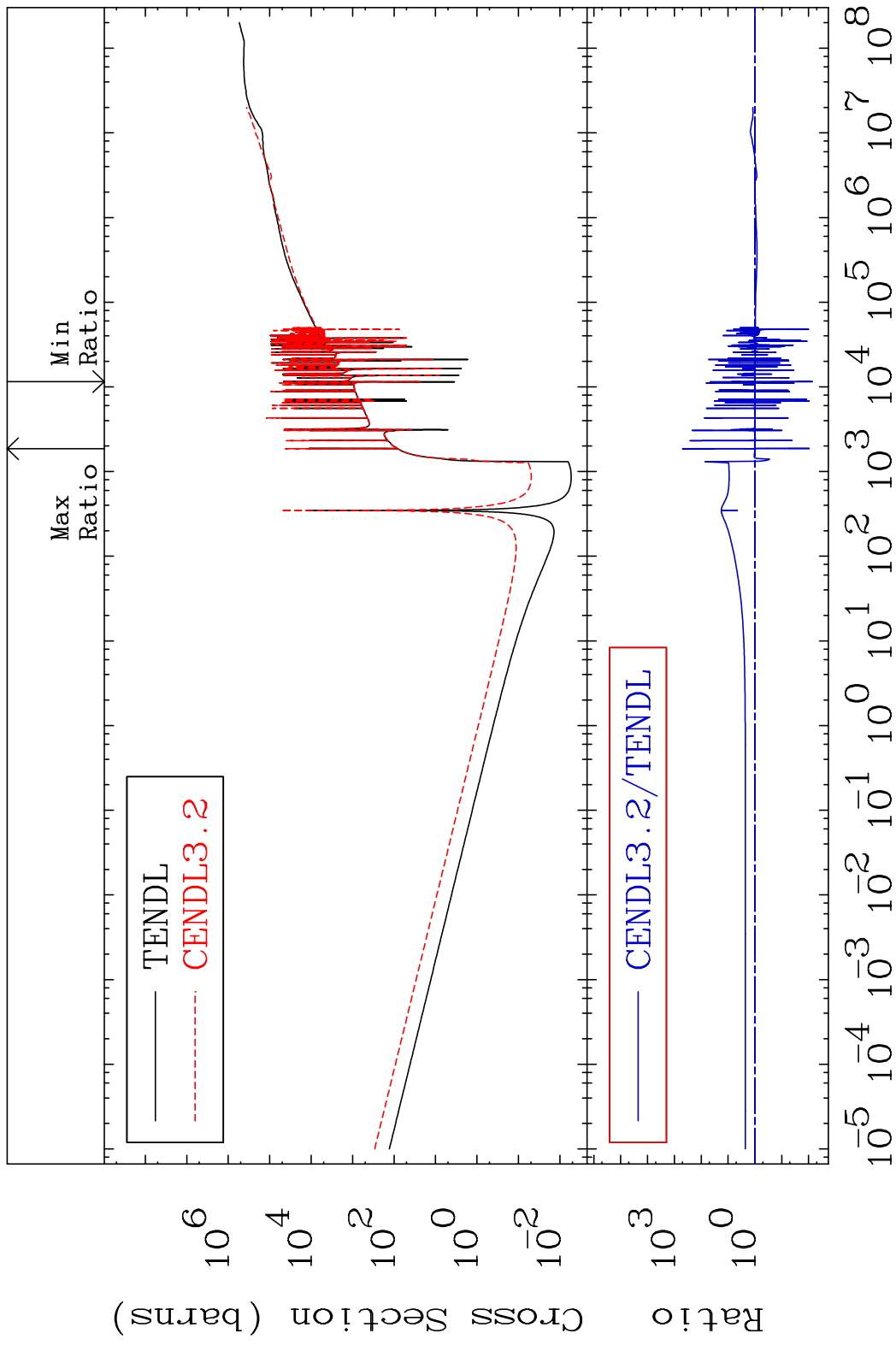




MAT 4225 Total kinematic kerma (high limit) 42-Mo-92  
 Cross Section -99.24 To 9999. %



MAT 4225 Dpa total (eV-barns) 42-Mo-92  
 Cross Section -99.29 To 9999. %

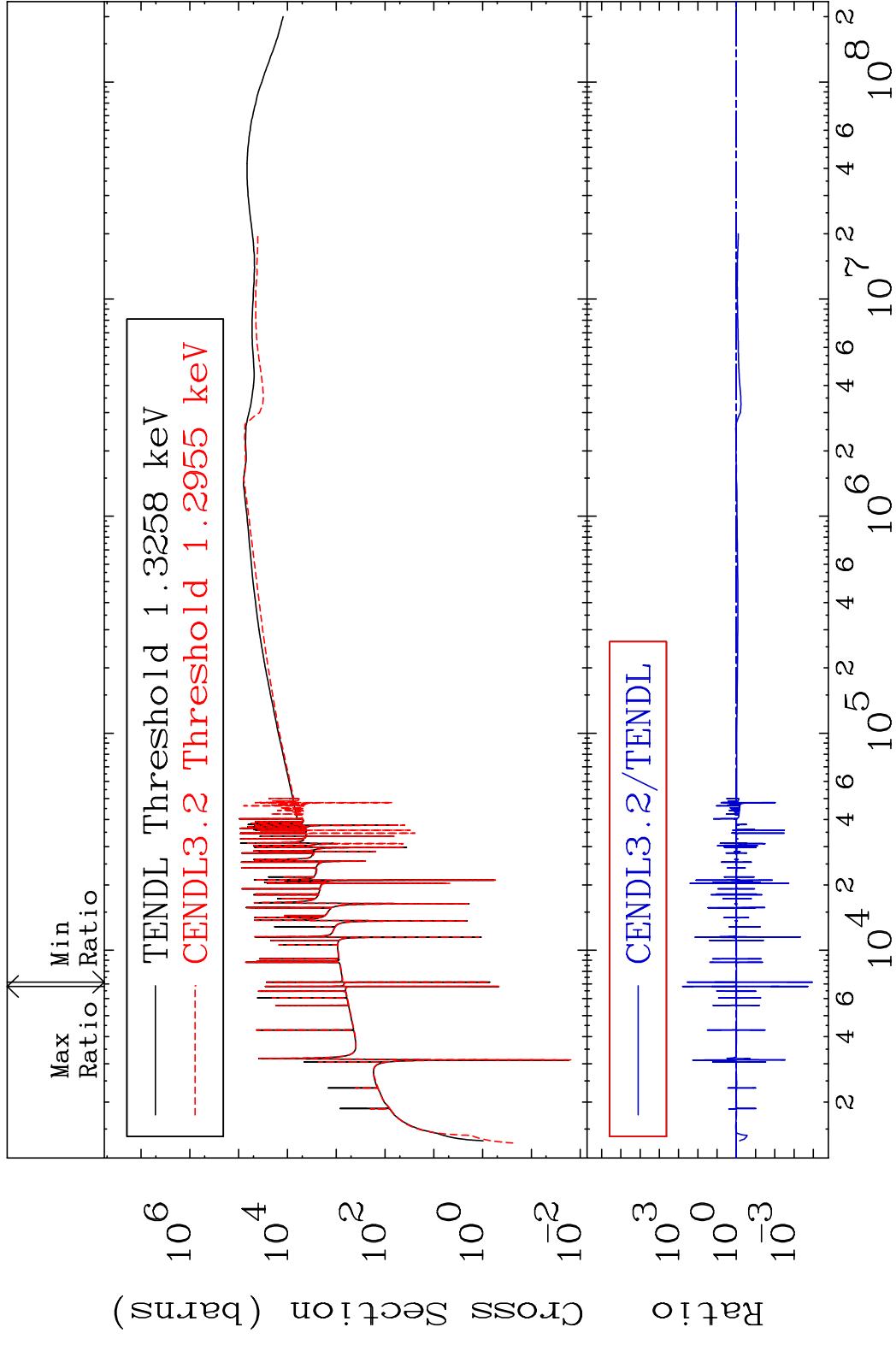


MAT 4225

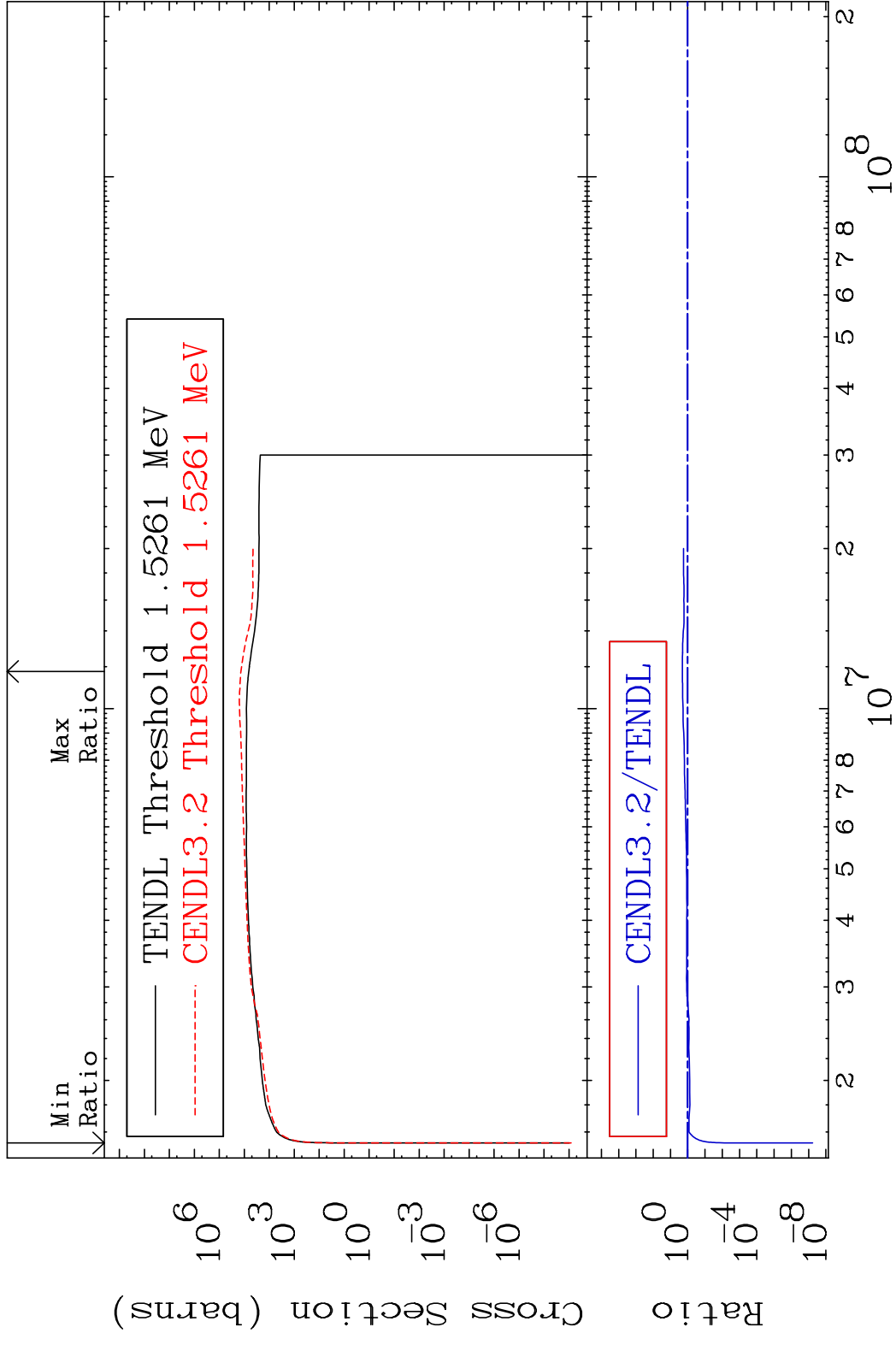
Dpa elastic (mt2)

42-Mo-92

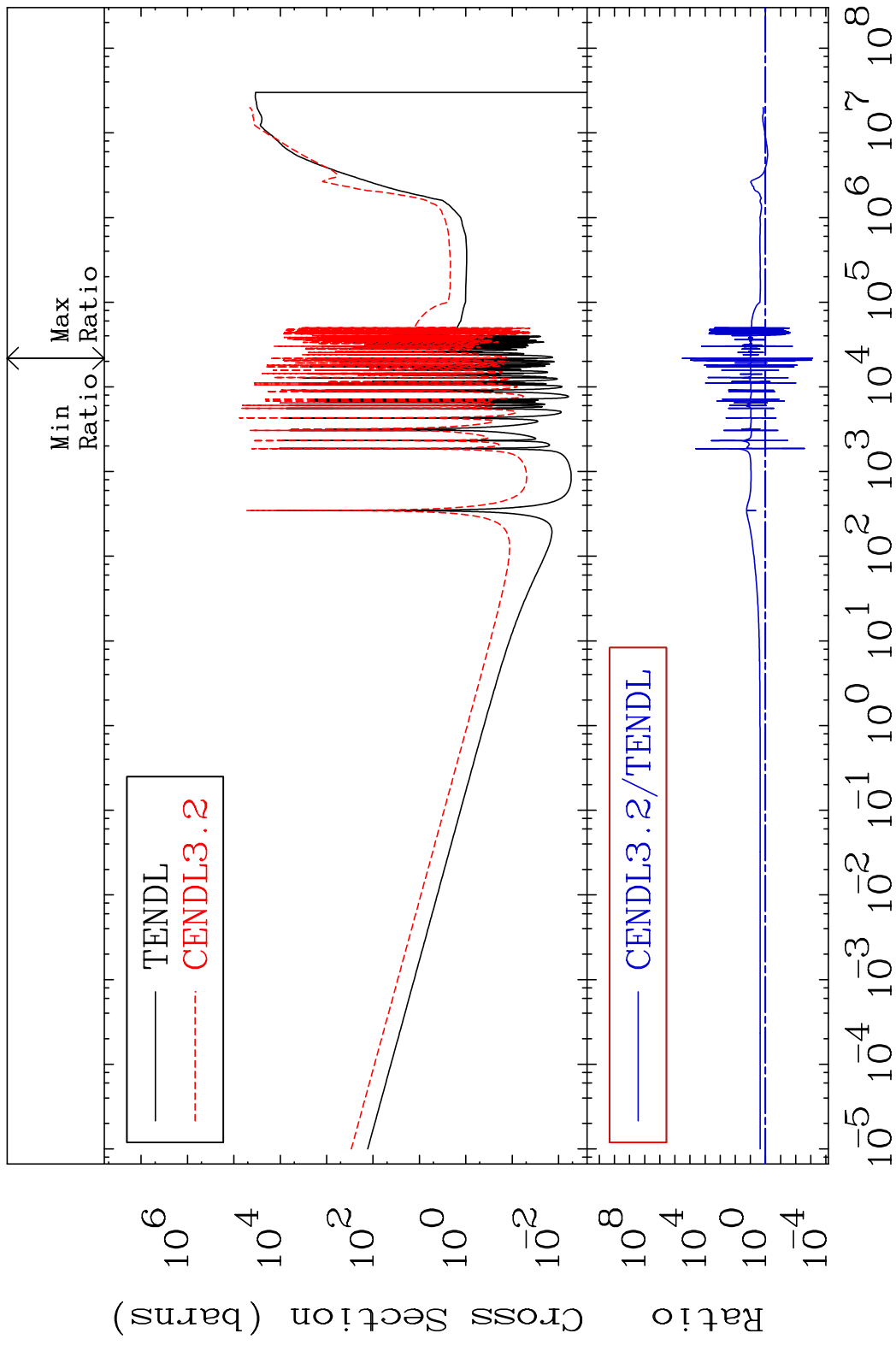
Cross Section -99.99 To 9999. %



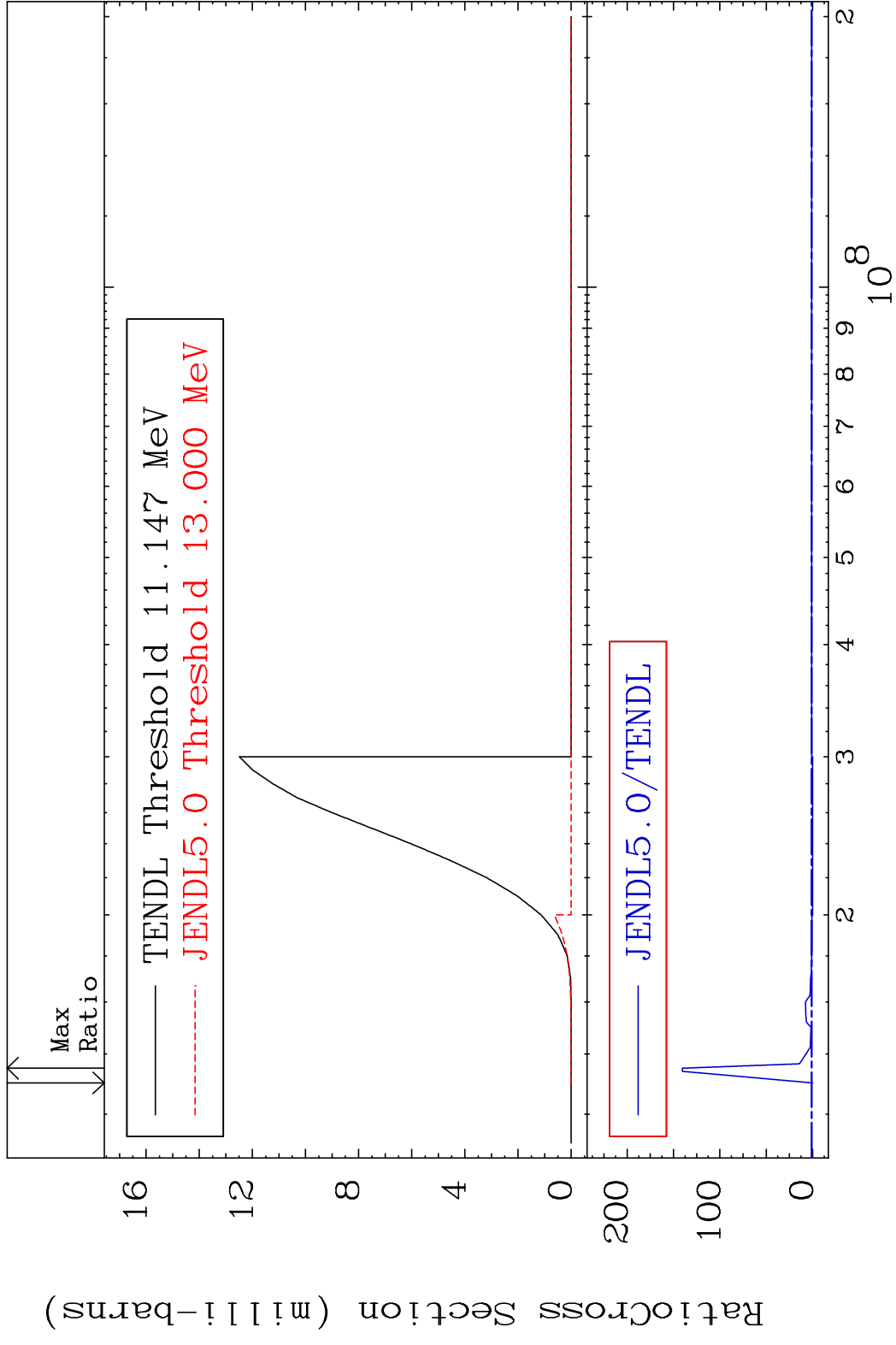
MAT 4225 Dpa inelastic (mt51-91) 42-Mo-92  
 Cross Section -100.0 To 104.8 %



MAT 4225 Dpa disappearance (mt102 -120) 42-Mo-92  
 Cross Section -99.92 To 9999. %



MAT 4225 (n, t) 42-Mo-92  
 Cross Section -100.0 To 9999. %

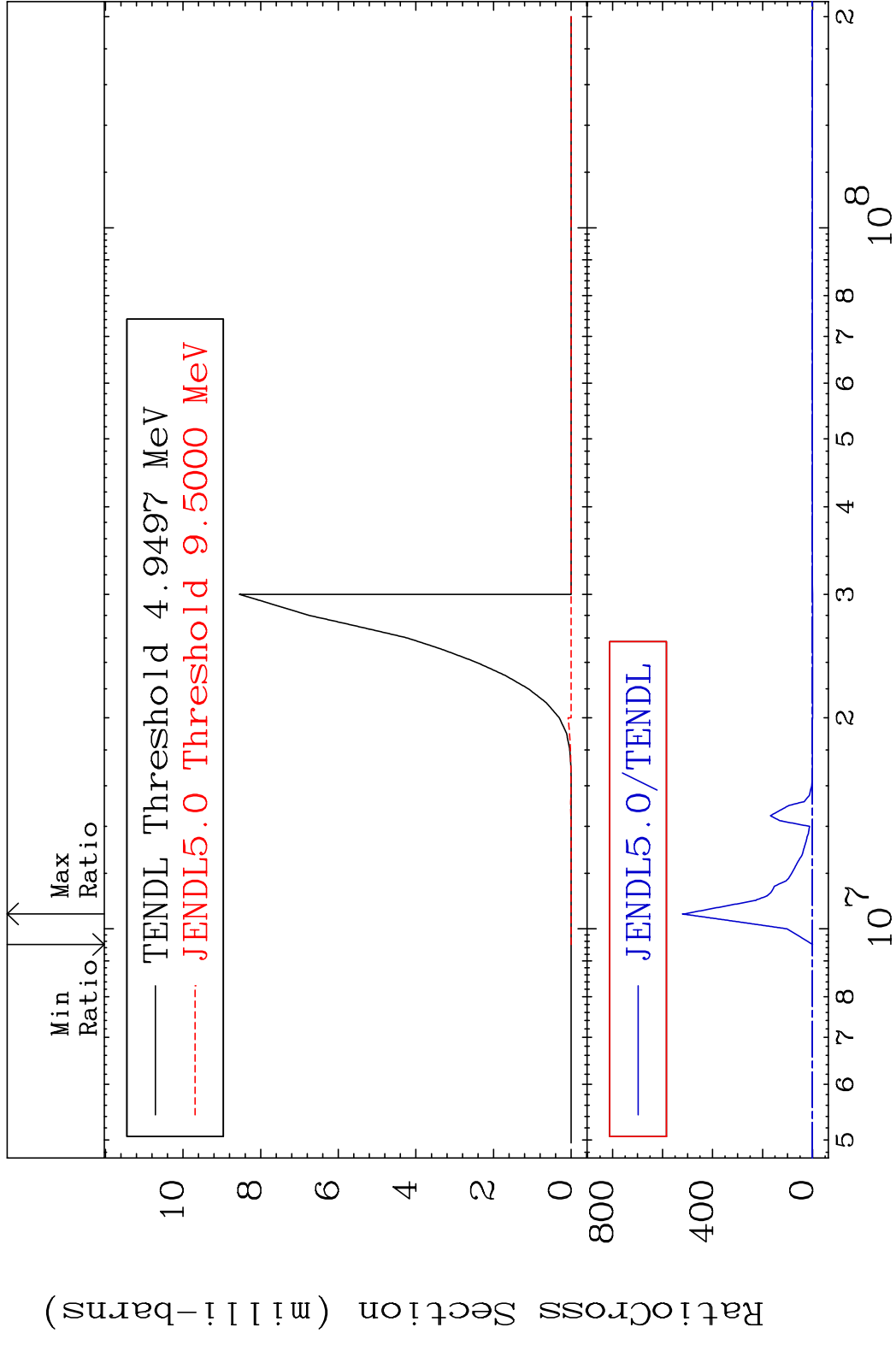


MAT 4225

(n, He-3)

42-Mo-92

Cross Section -100.0 To 9999. %



38

Incident Energy (eV)

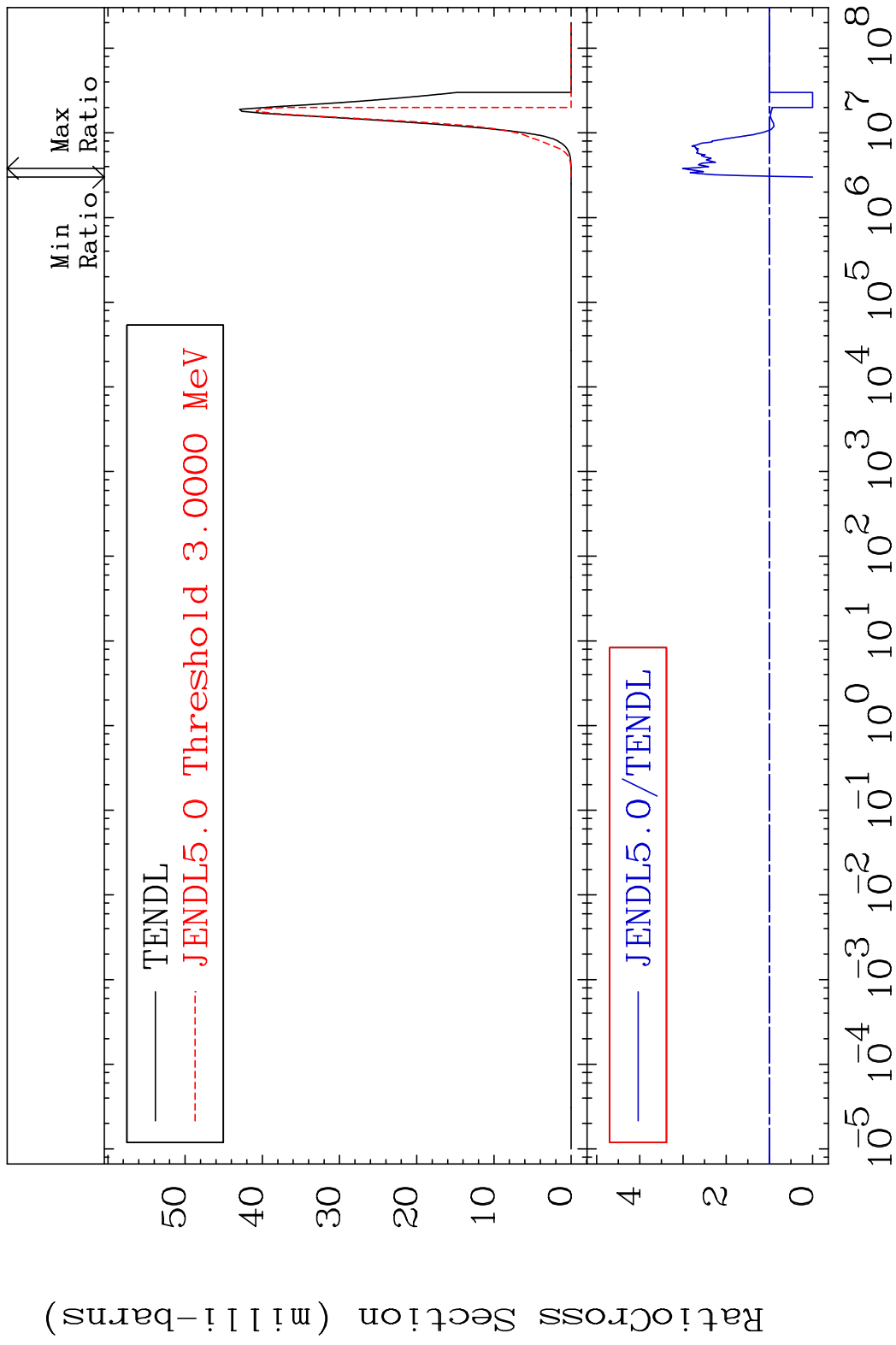
42-Mo-92

MAT 4225

(n,  $\alpha$ )

42-Mo-92

Cross Section -100.0 To 201.5 %



39

Incident Energy (eV)

42-Mo-92

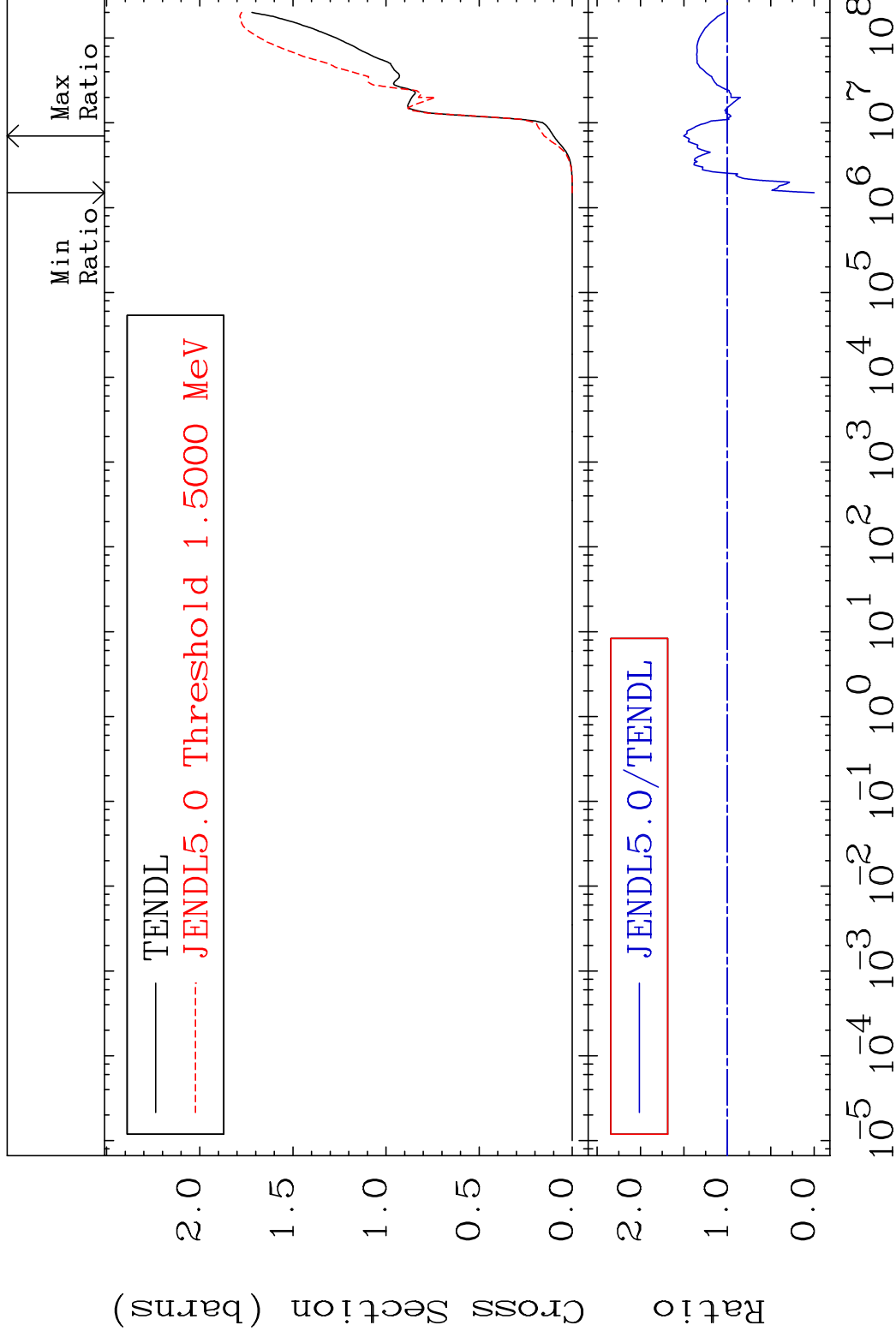


MAT 4225

Hydrogen Production

42-Mo-92

Cross Section -100.0 To 50.28 %

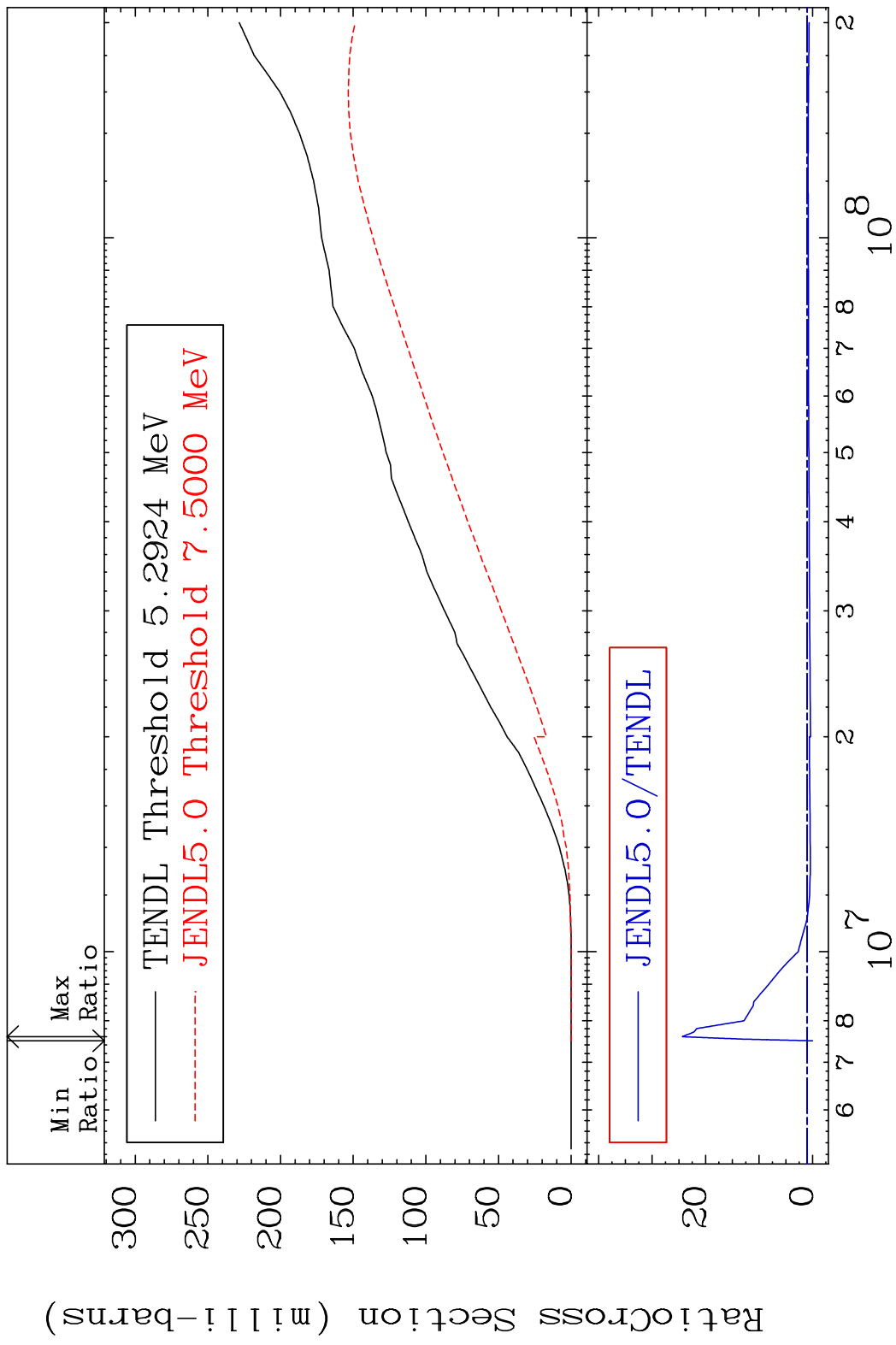


40

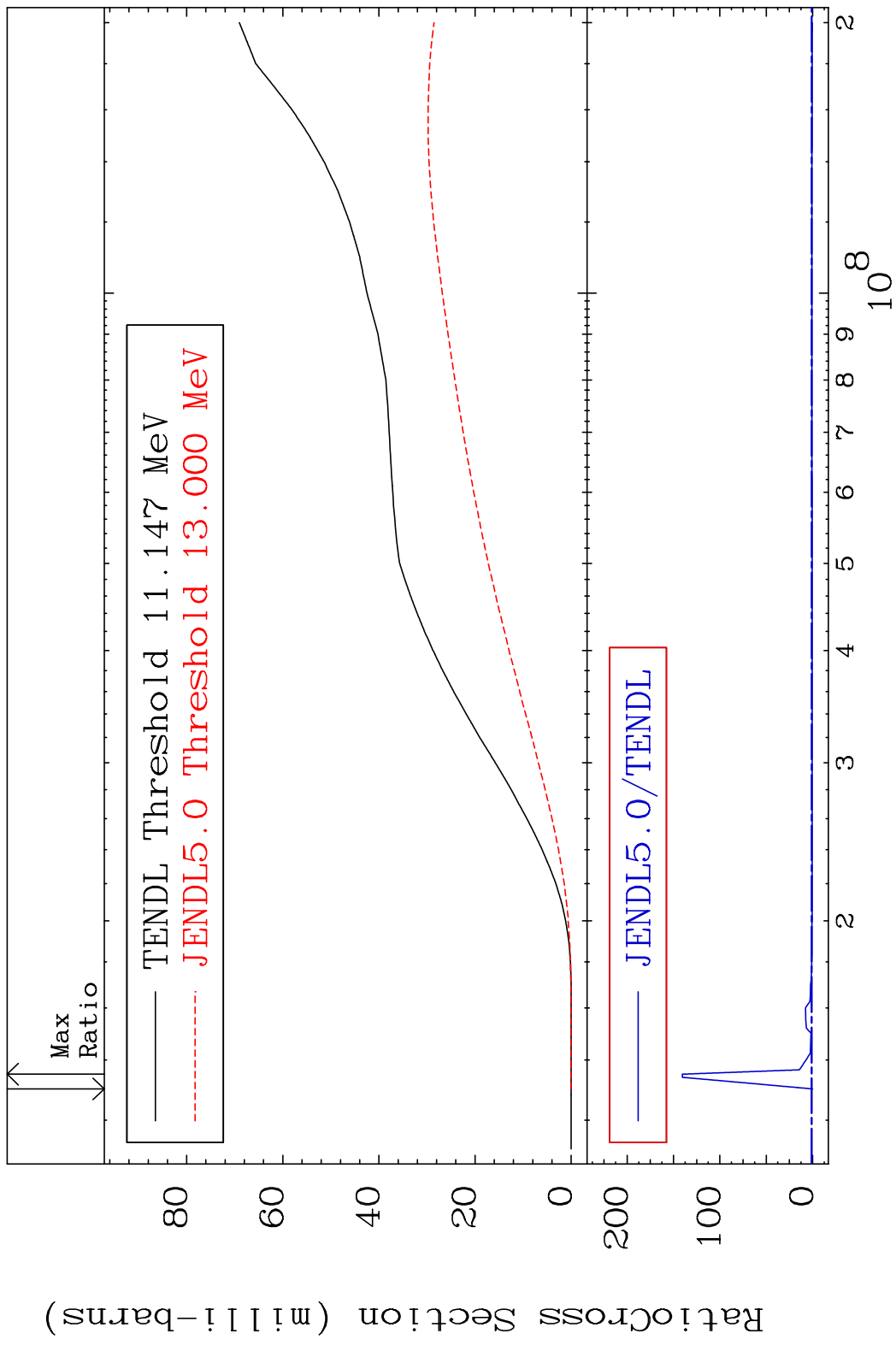
Incident Energy (eV)

42-Mo-92

MAT 4225 Deuterium Production 42-Mo-92  
 Cross Section -100.0 To 2335. %



MAT 4225 Tritium Production 42-Mo-92  
 Cross Section -100.0 To 9999. %



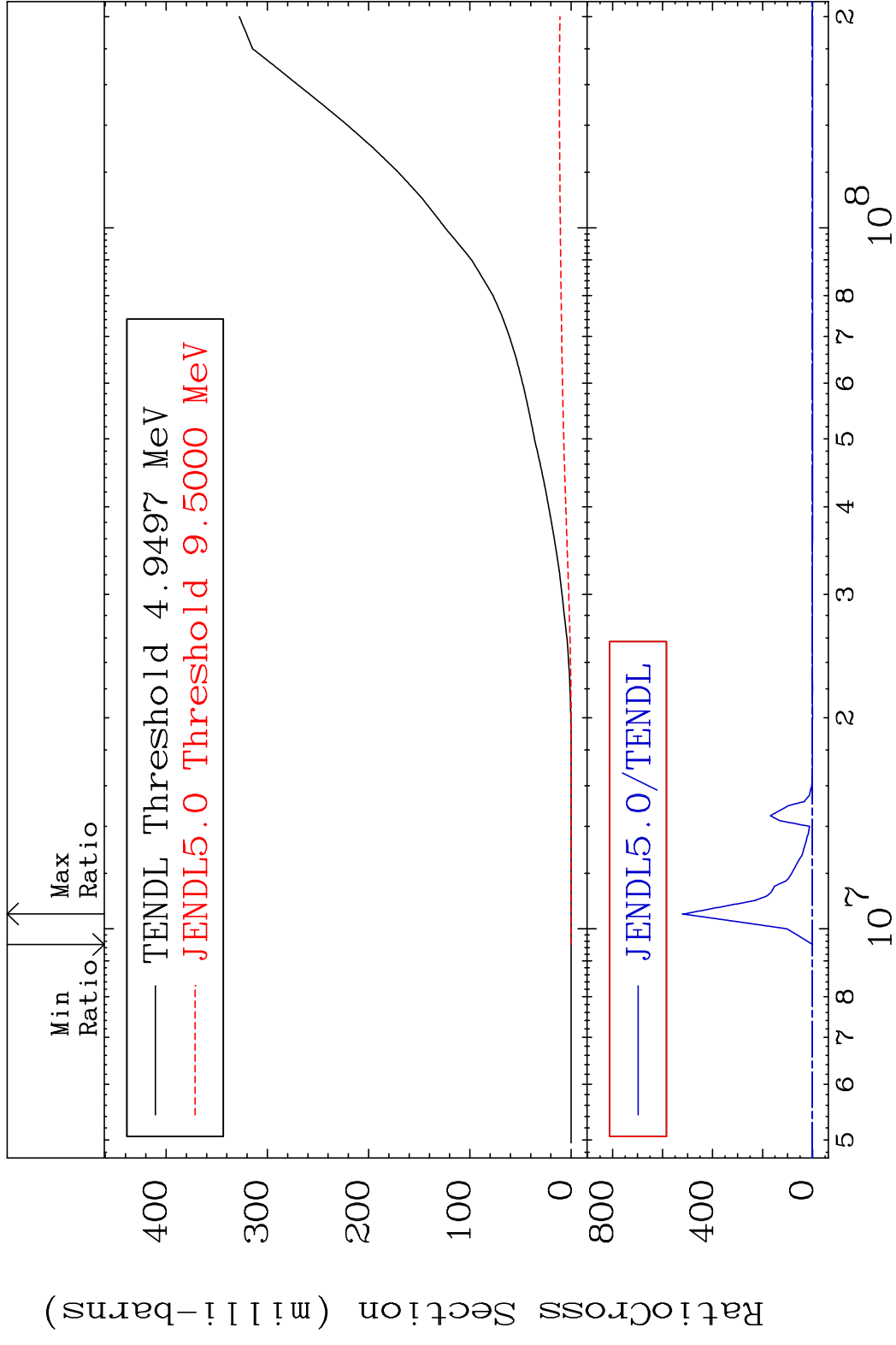
42 42-Mo-92

MAT 4225

He-3 Production

42-Mo-92

Cross Section -100.0 To 9999. %



43

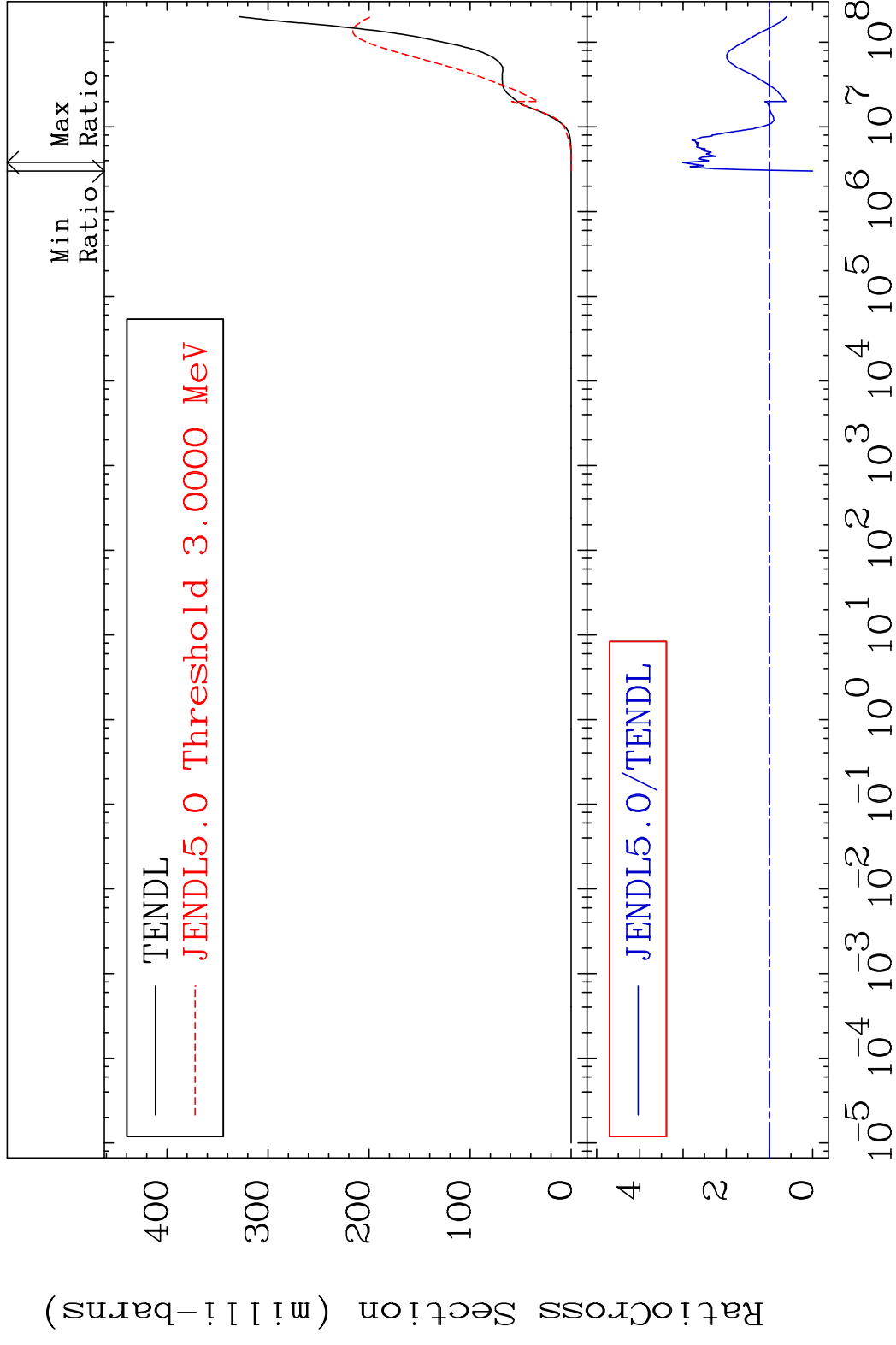
42-Mo-92

MAT 4225

He-4 Production

42-Mo-92

Cross Section -100.0 To 201.5 %

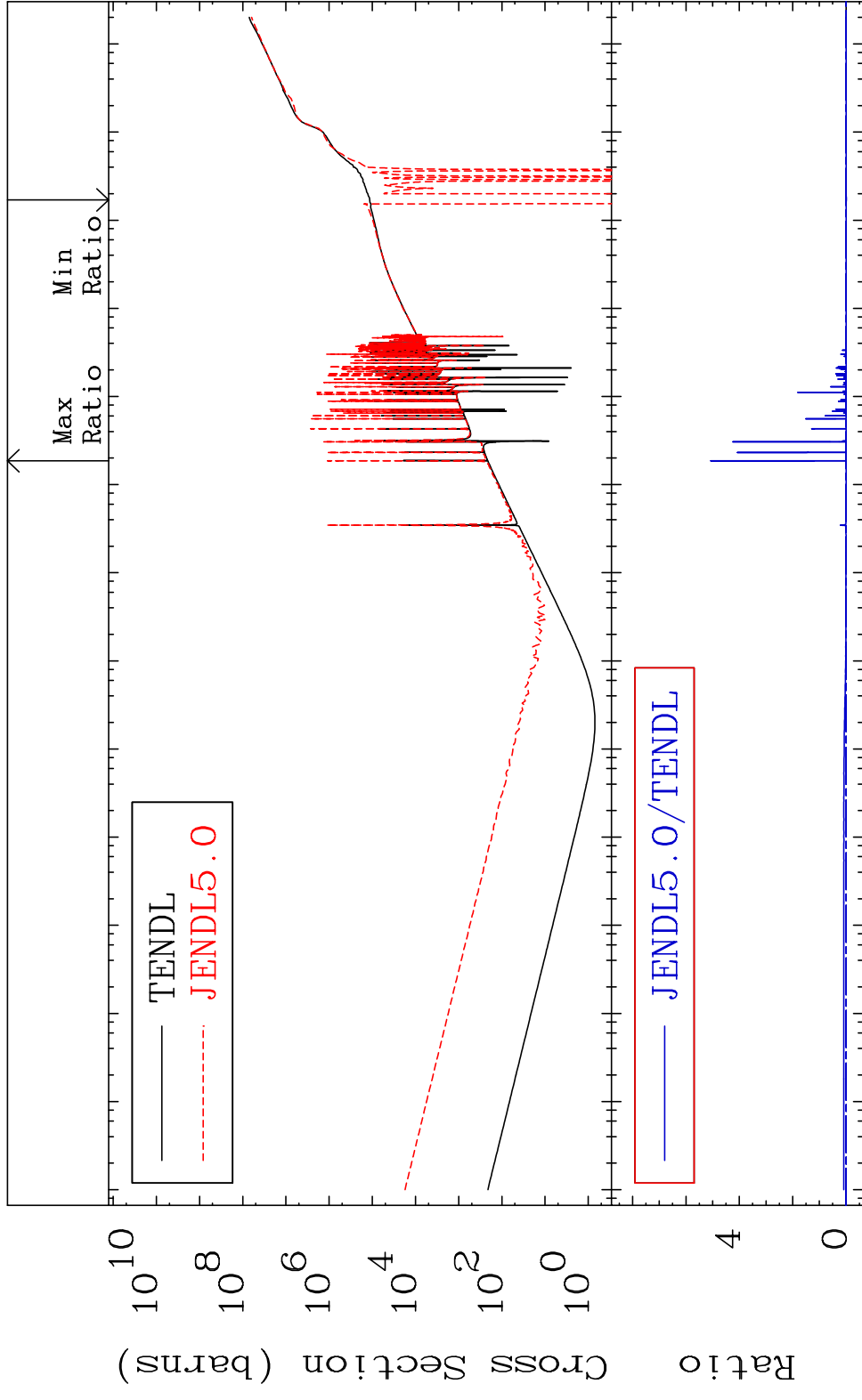


44

Incident Energy (eV)

42-Mo-92

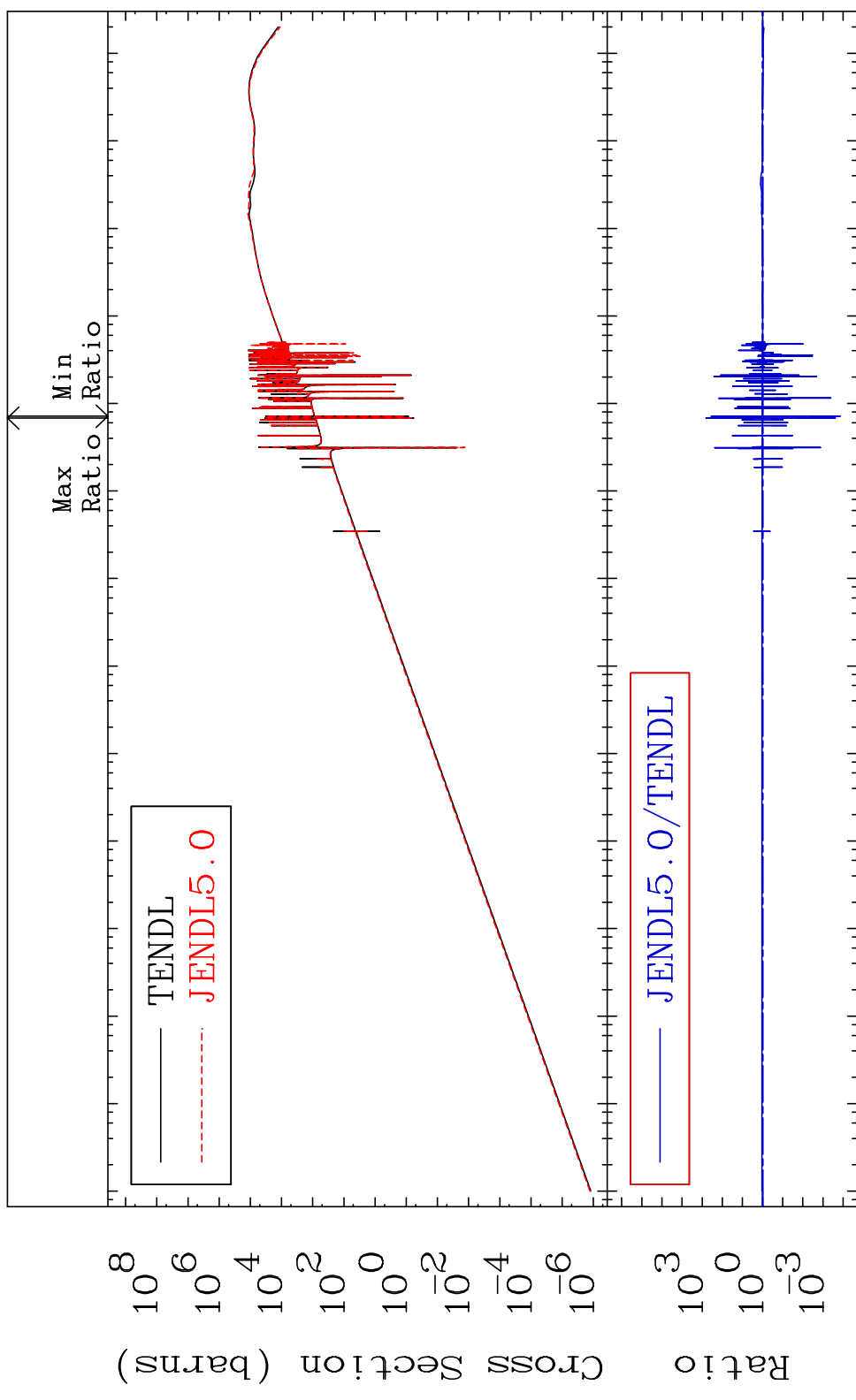
MAT 4225 Kerma total (eV-barns) 42-Mo-92  
 Cross Section -1102. To 9999. %



45 Incident Energy (eV) 42-Mo-92

MAT 4225

Kerma elastic Cross Section -99.99 To 9999. % 42-Mo-92

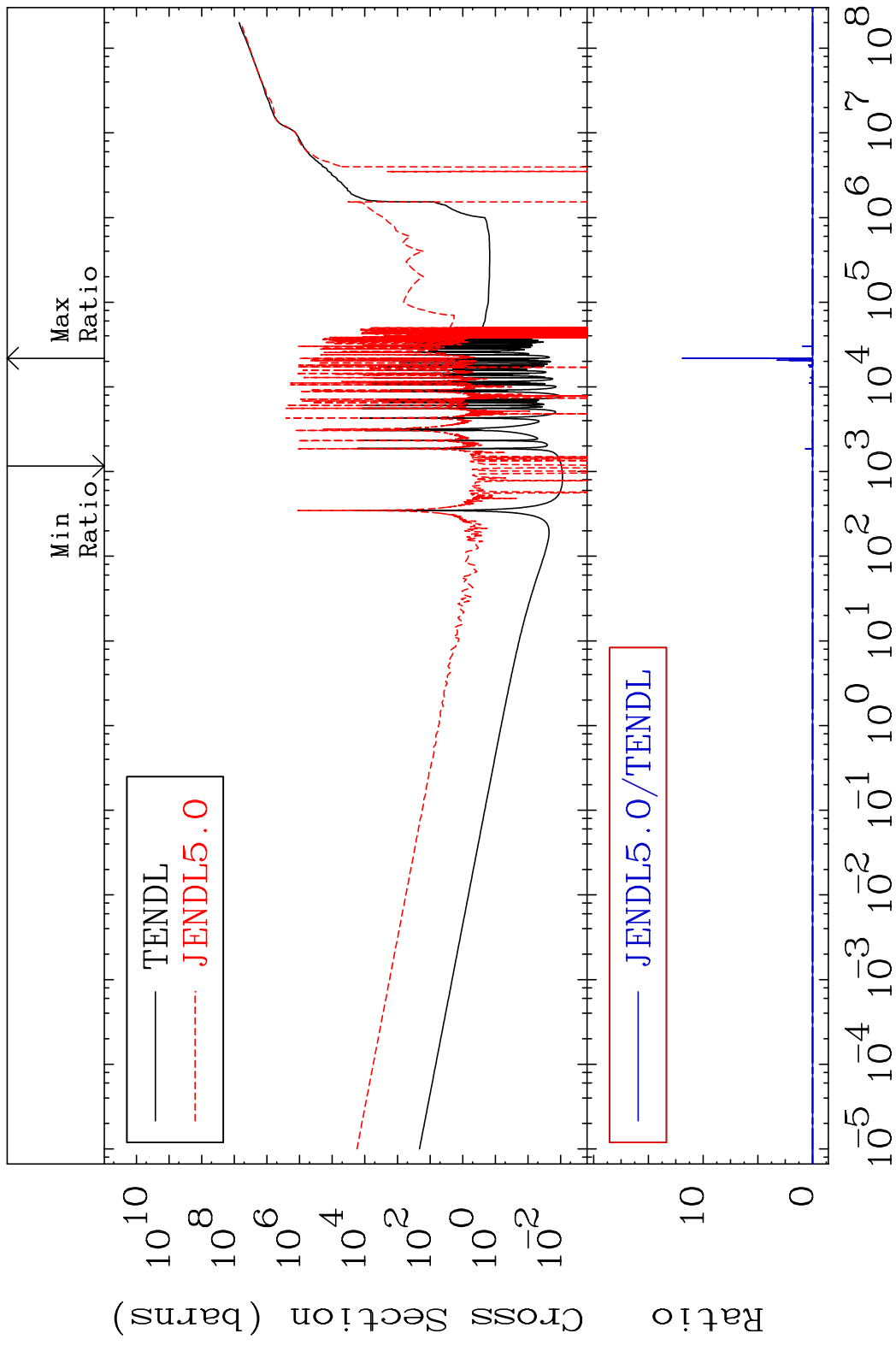


46

Incident Energy (eV)

42-Mo-92

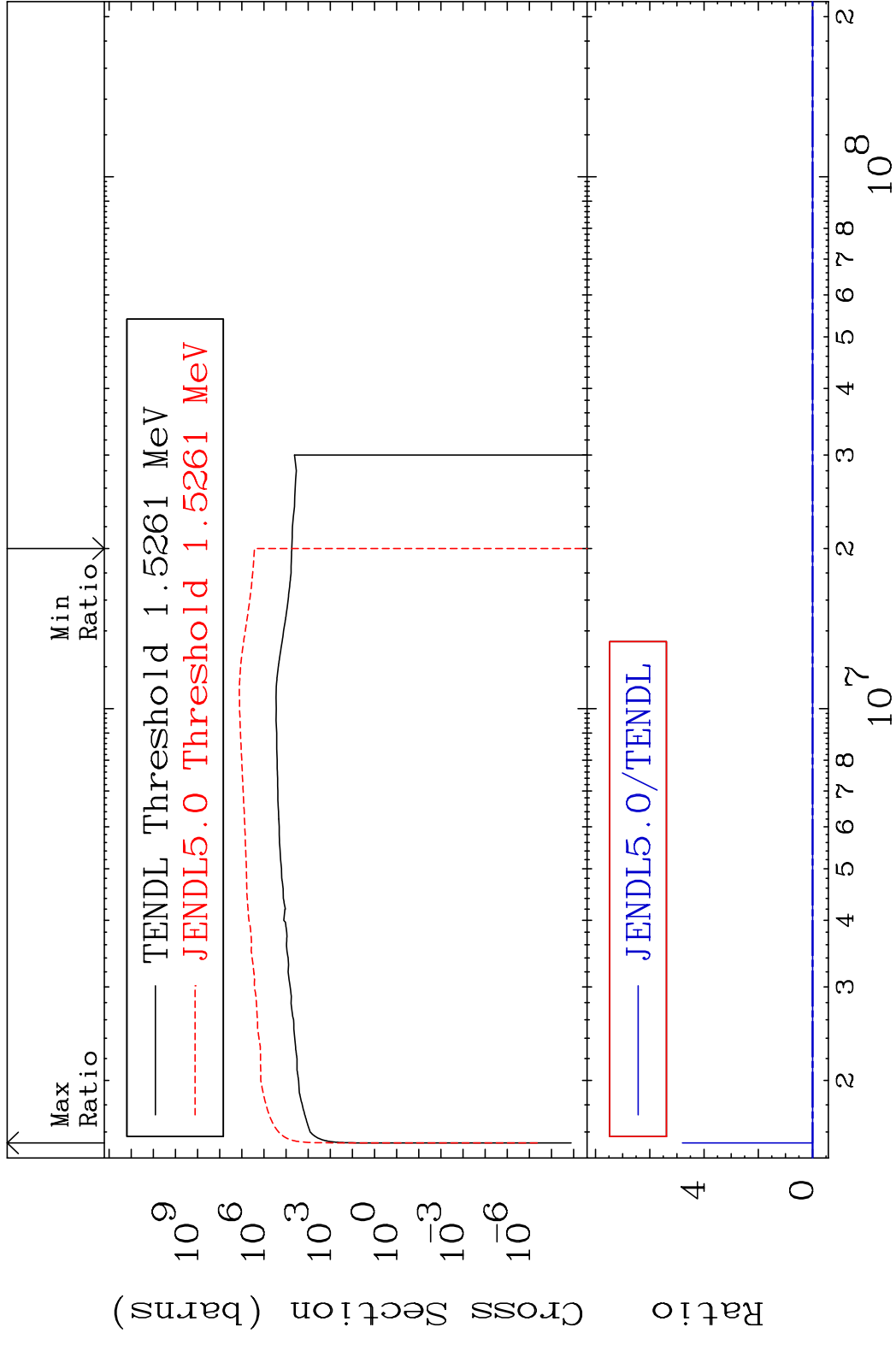
MAT 4225 Kerma non-elastic (all but mt2) 42-Mo-92  
 Cross Section -9999. To 9999. %



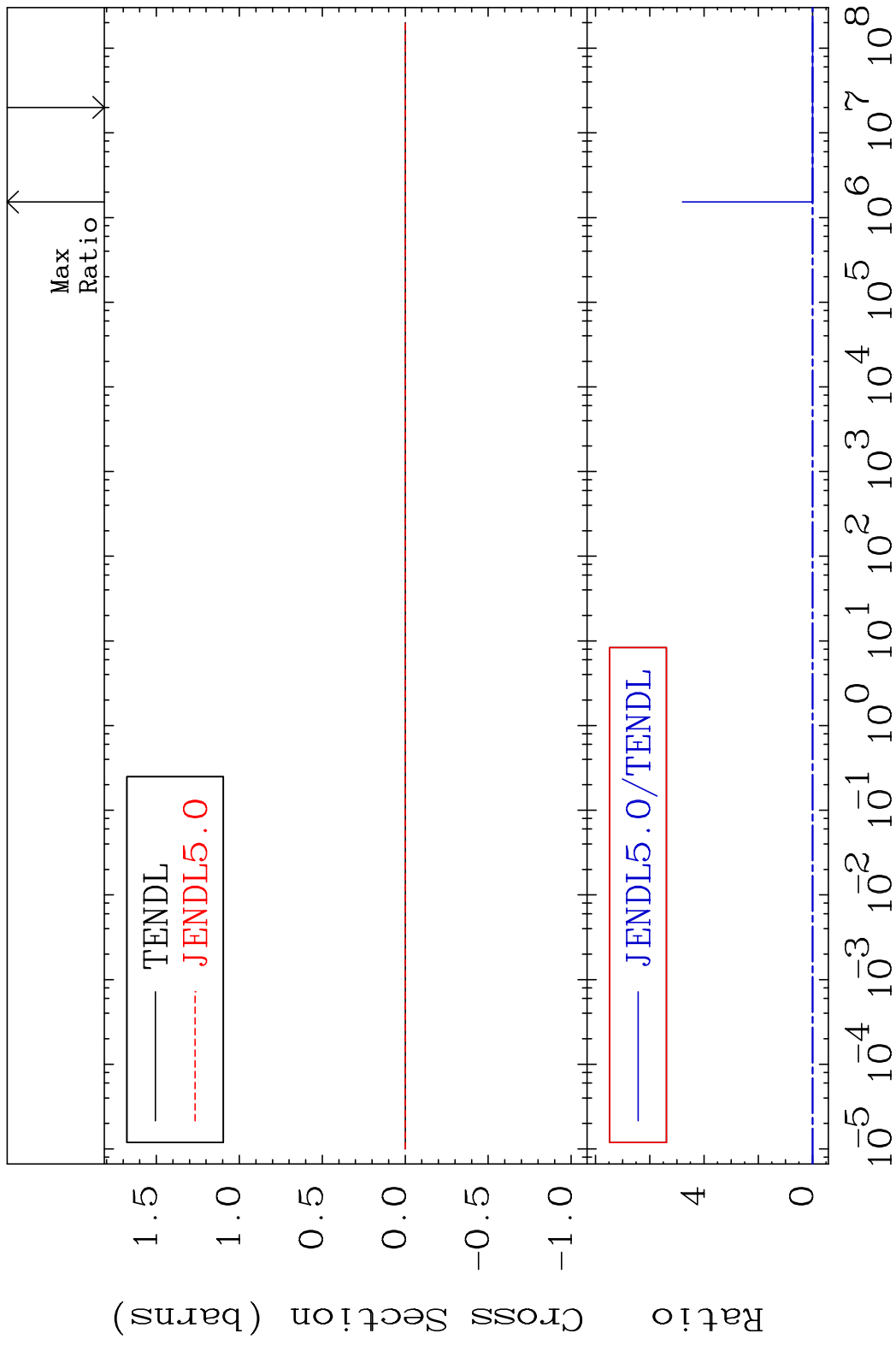
47 Incident Energy (eV) 42-Mo-92



MAT 4225 Kerma inelastic (mt51-91) 42-Mo-92  
 Cross Section -100.0 To 9999. %

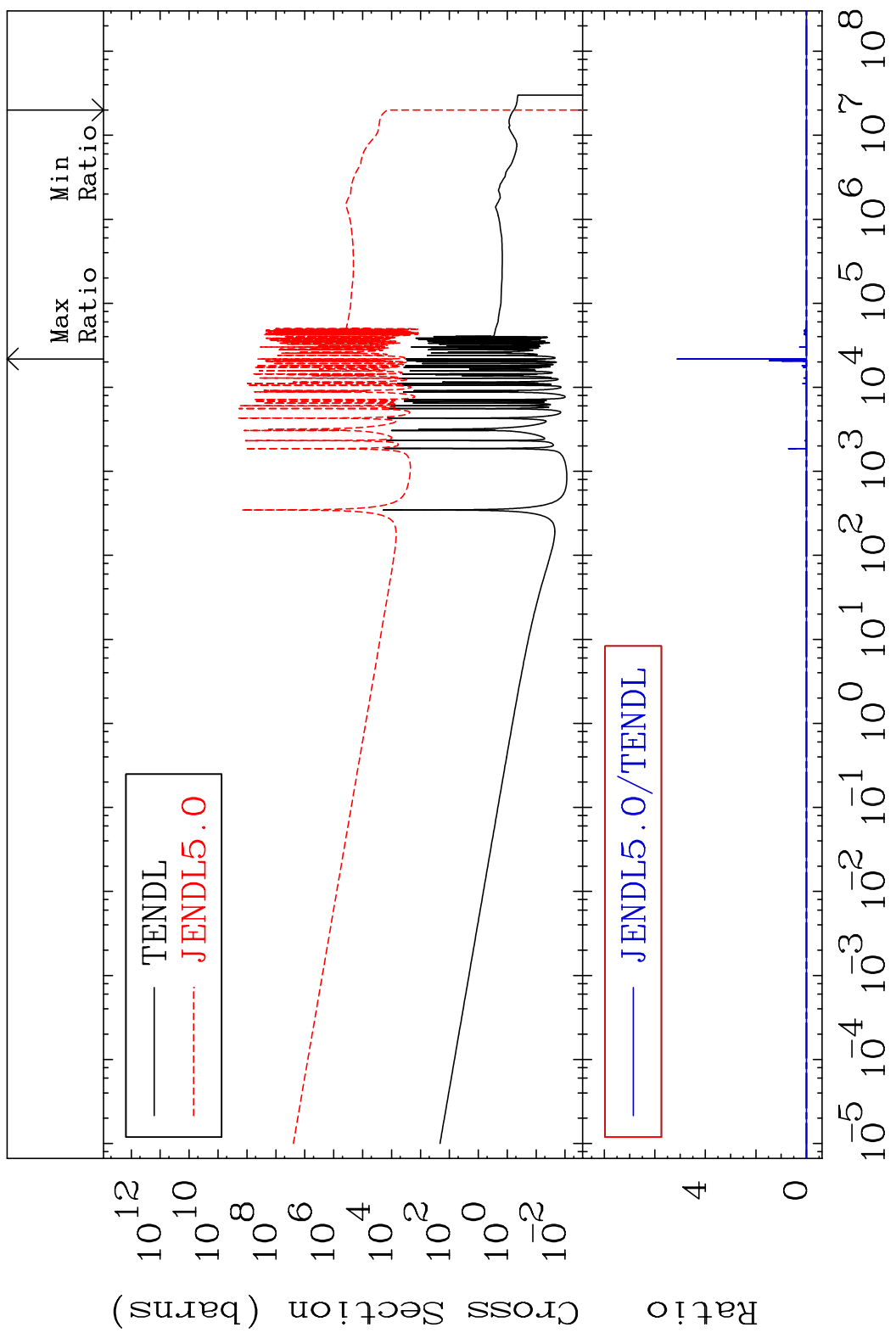


MAT 4225 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-92  
 Cross Section -100.0 To 9999. %



MAT 4225

Kerma capture (mt102) 42-Mo-92  
Cross Section -100.0 To 9999. %

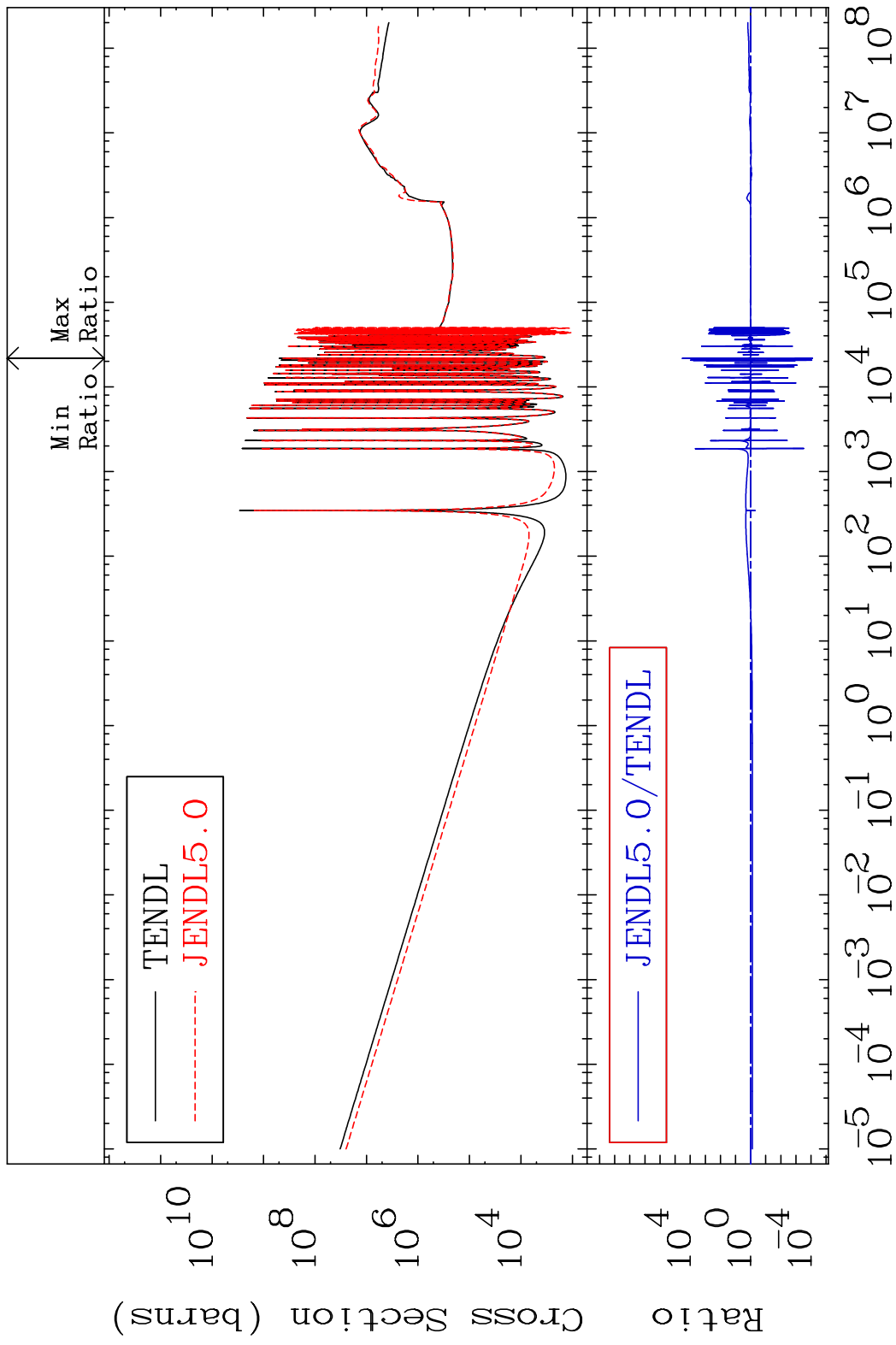


50

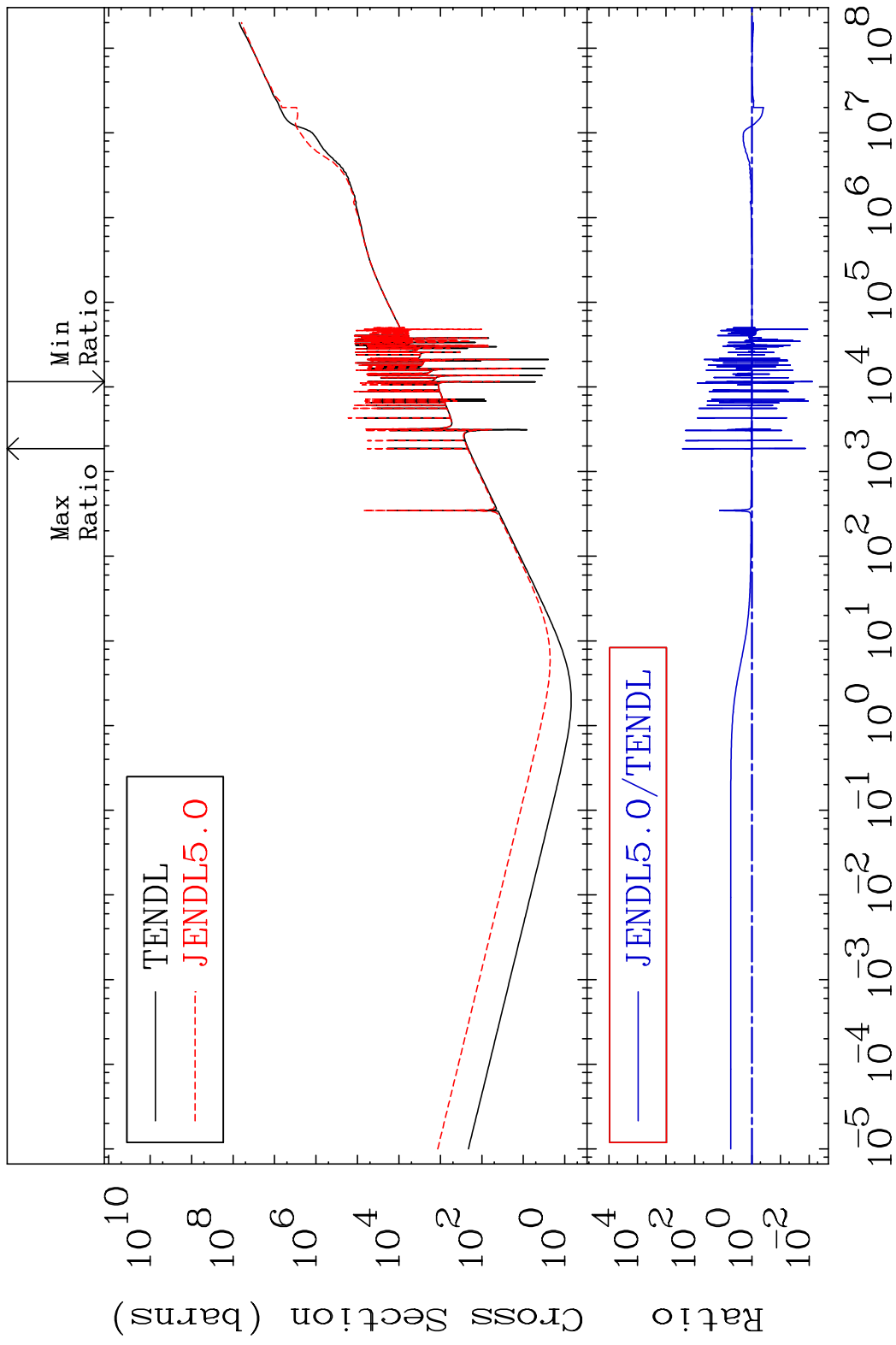
Incident Energy (eV)

42-Mo-92

MAT 4225 Total photon (eV-barns) 42-Mo-92  
 Cross Section -99.99 To 9999. %



MAT 4225 Total kinematic kerma (high limit) 42-Mo-92  
 Cross Section -99.24 To 9999. %

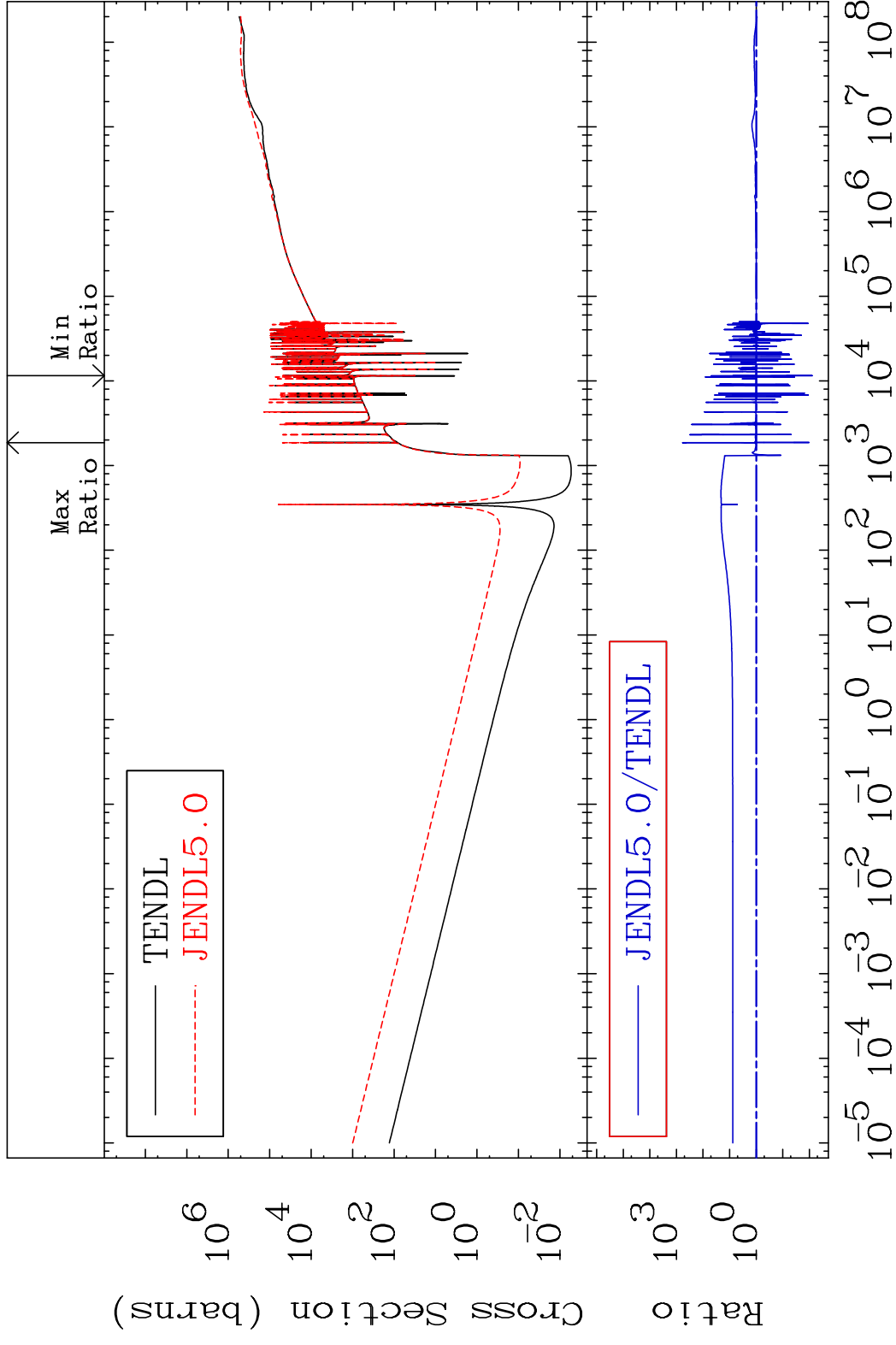


MAT 4225

Dpa total (eV-barns)

42-Mo-92

Cross Section -99.24 To 9999. %

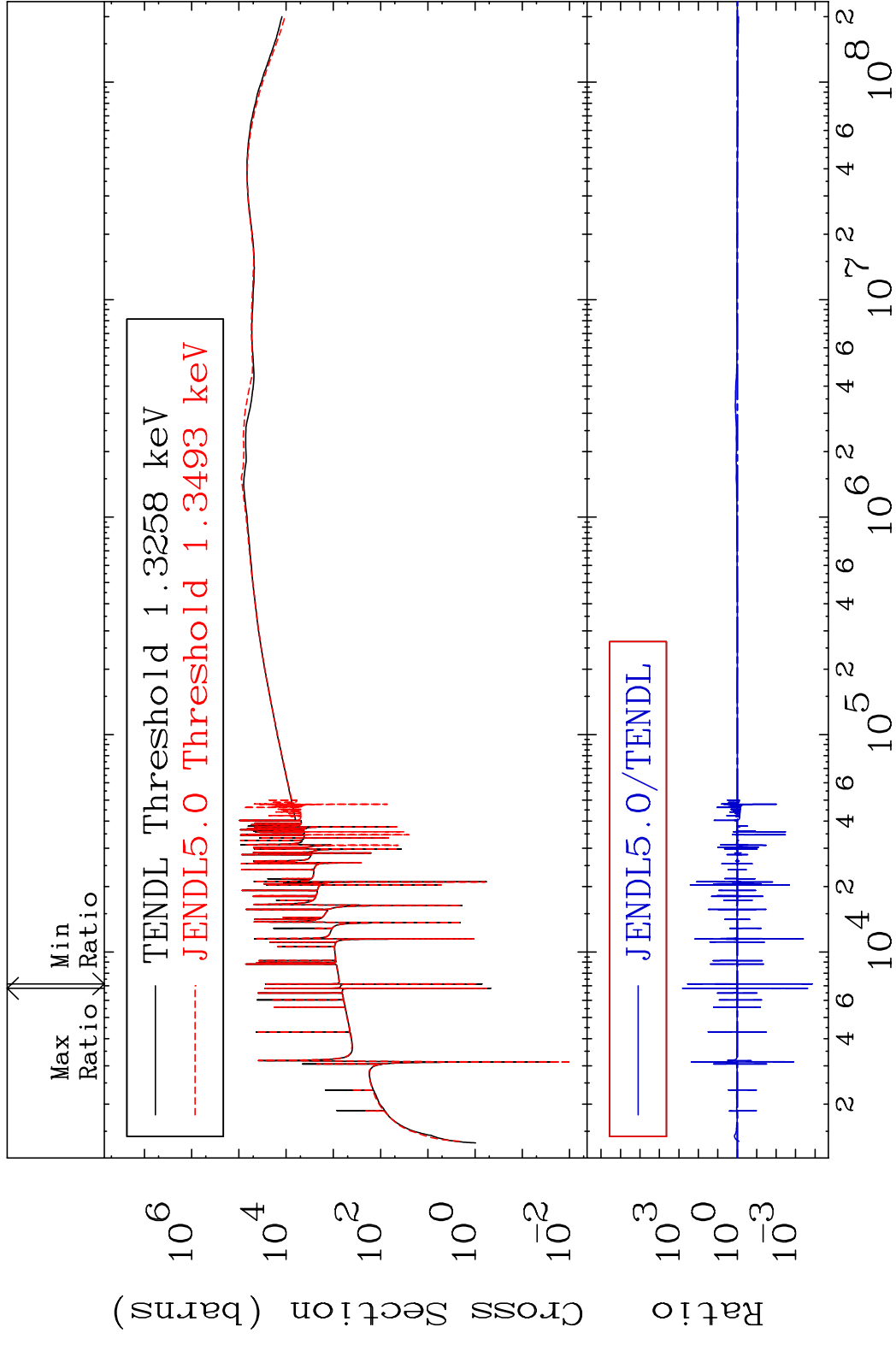


53

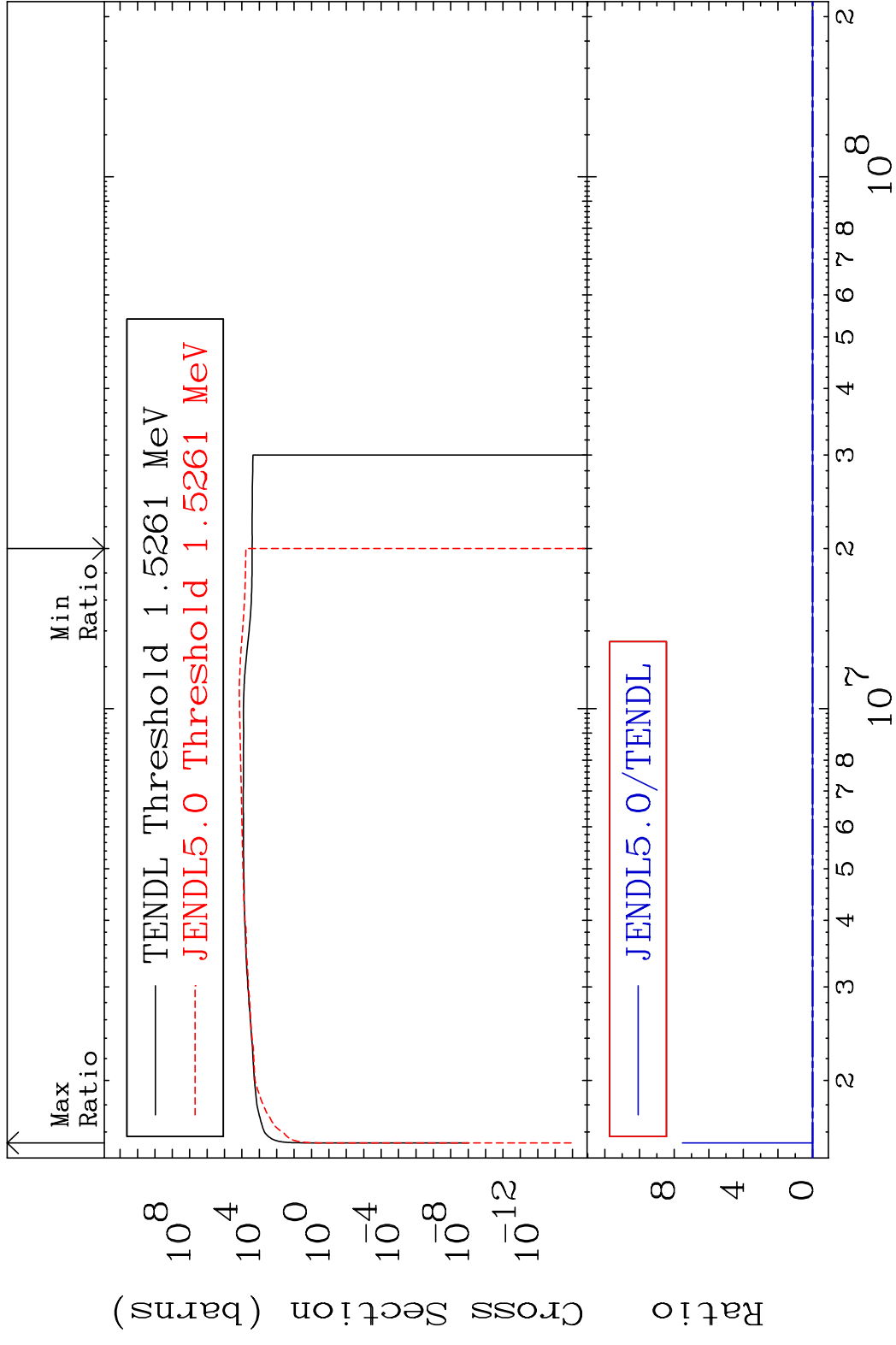
Incident Energy (eV)

42-Mo-92

MAT 4225 Dpa elastic (mt2) 42-Mo-92  
 Cross Section -99.99 To 9999. %

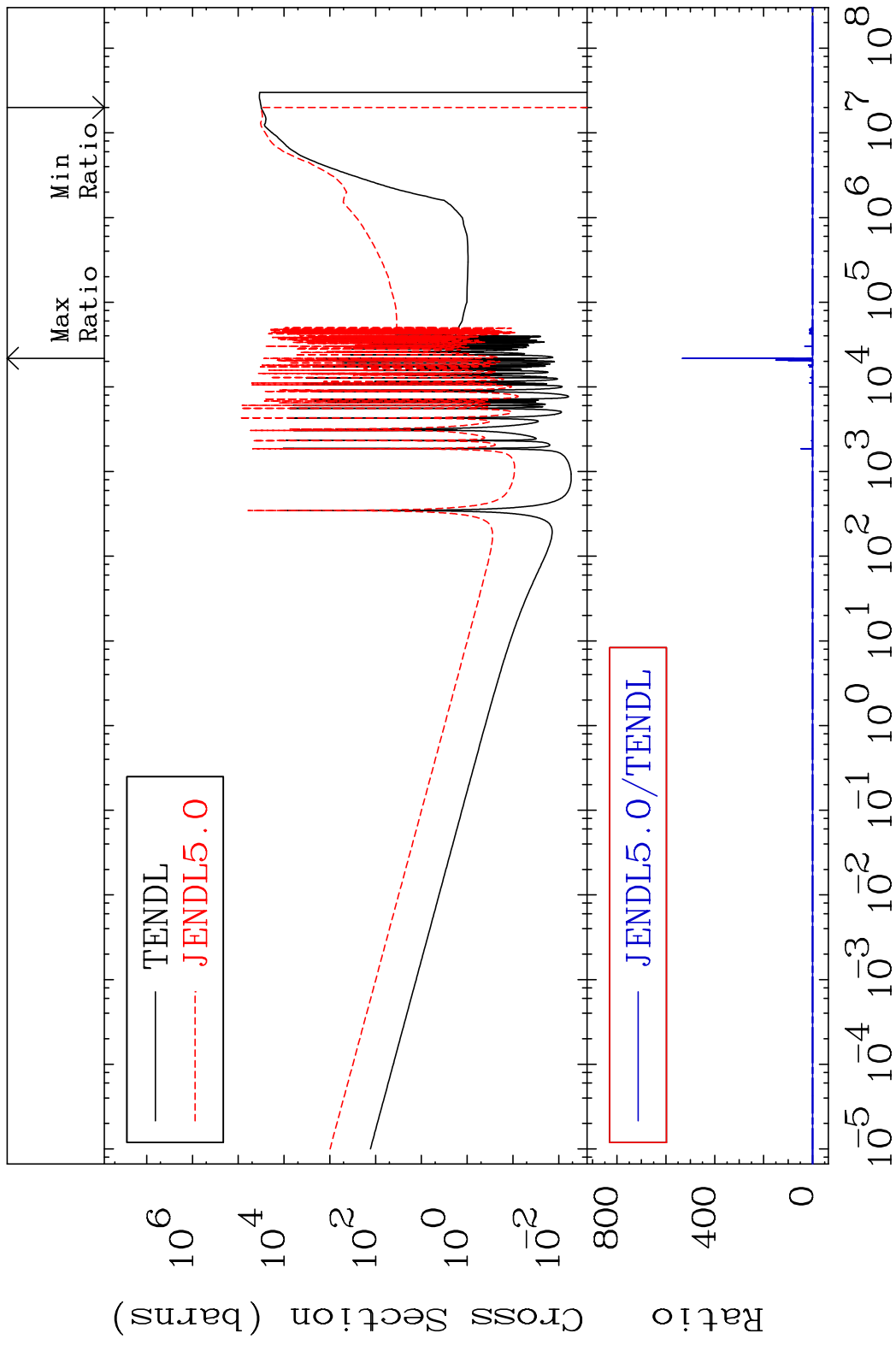


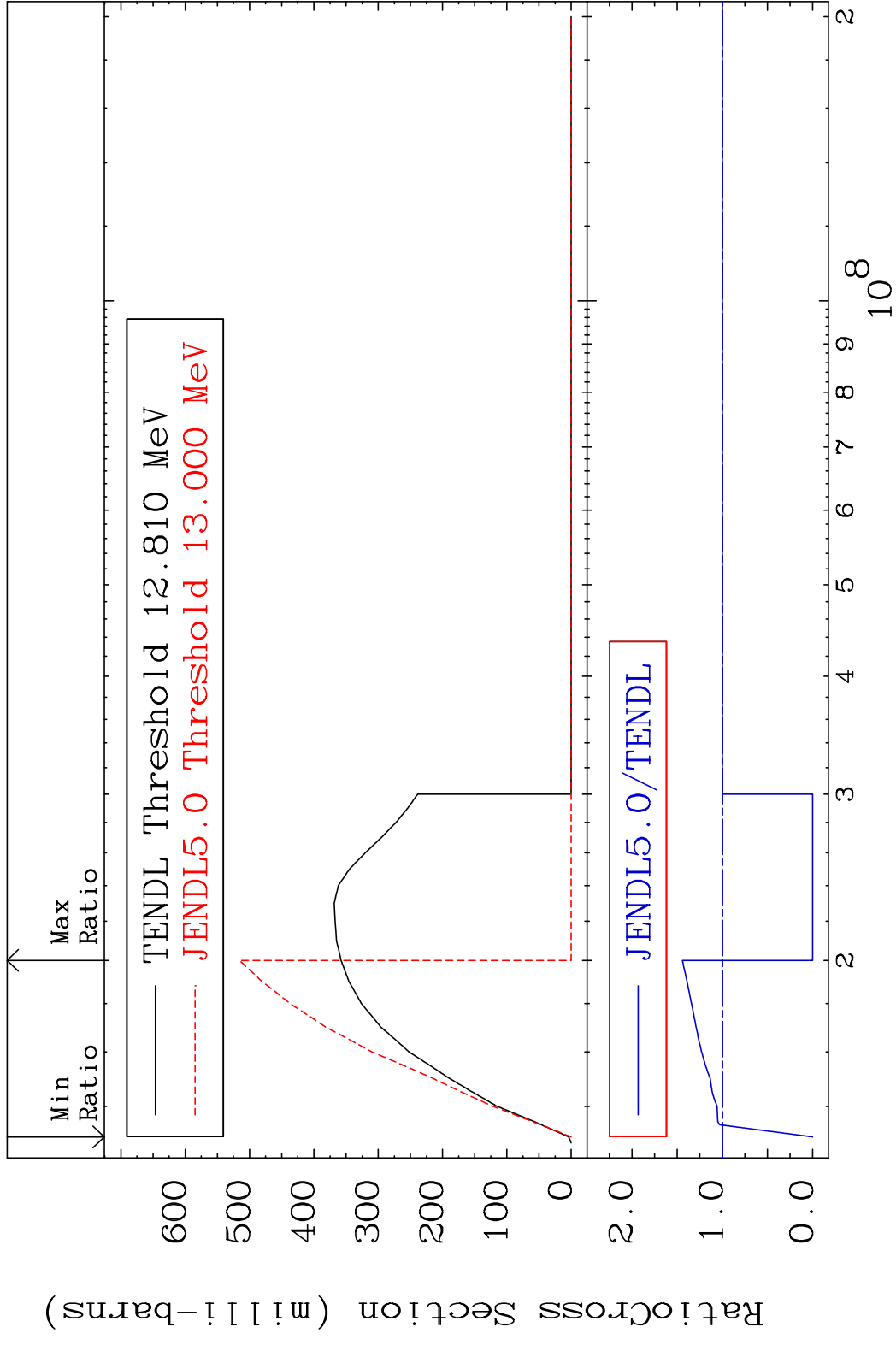
MAT 4225 Dpa inelastic (mt51-91) 42-Mo-92  
 Cross Section -100.0 To 9999. %



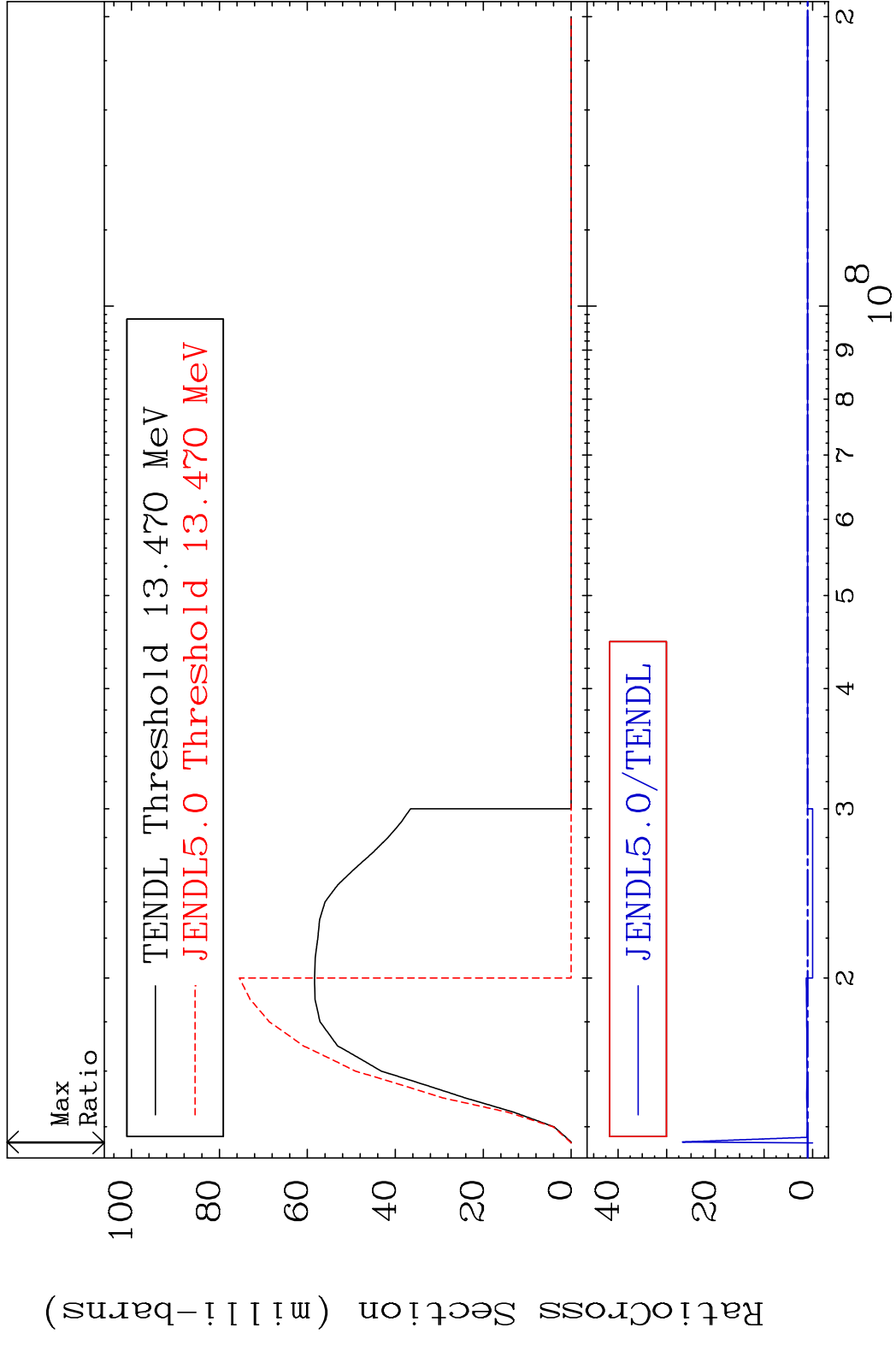


MAT 4225 Dpa disappearance (mt102 -120) 42-Mo-92  
 Cross Section -100.0 To 9999. %

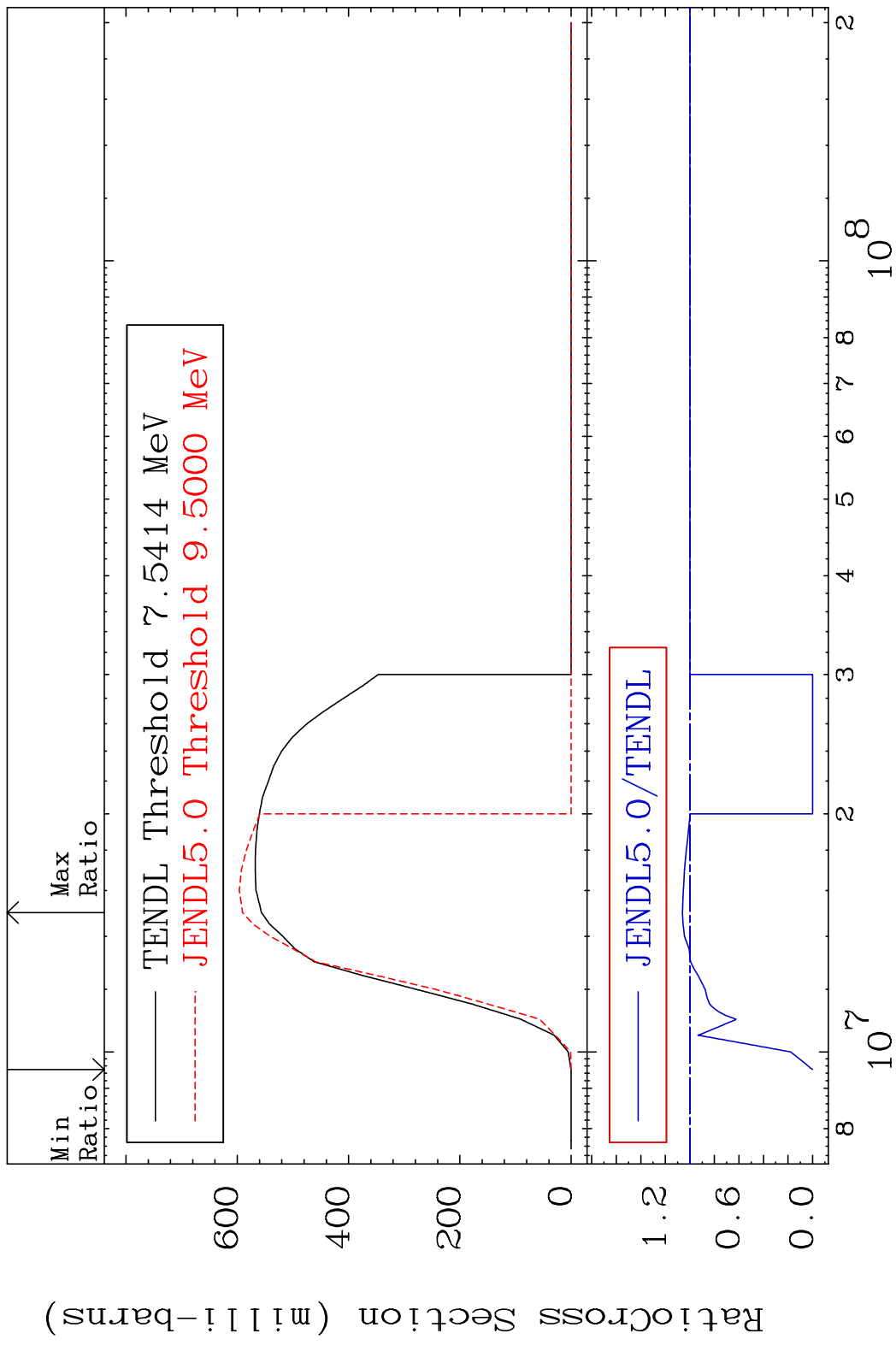




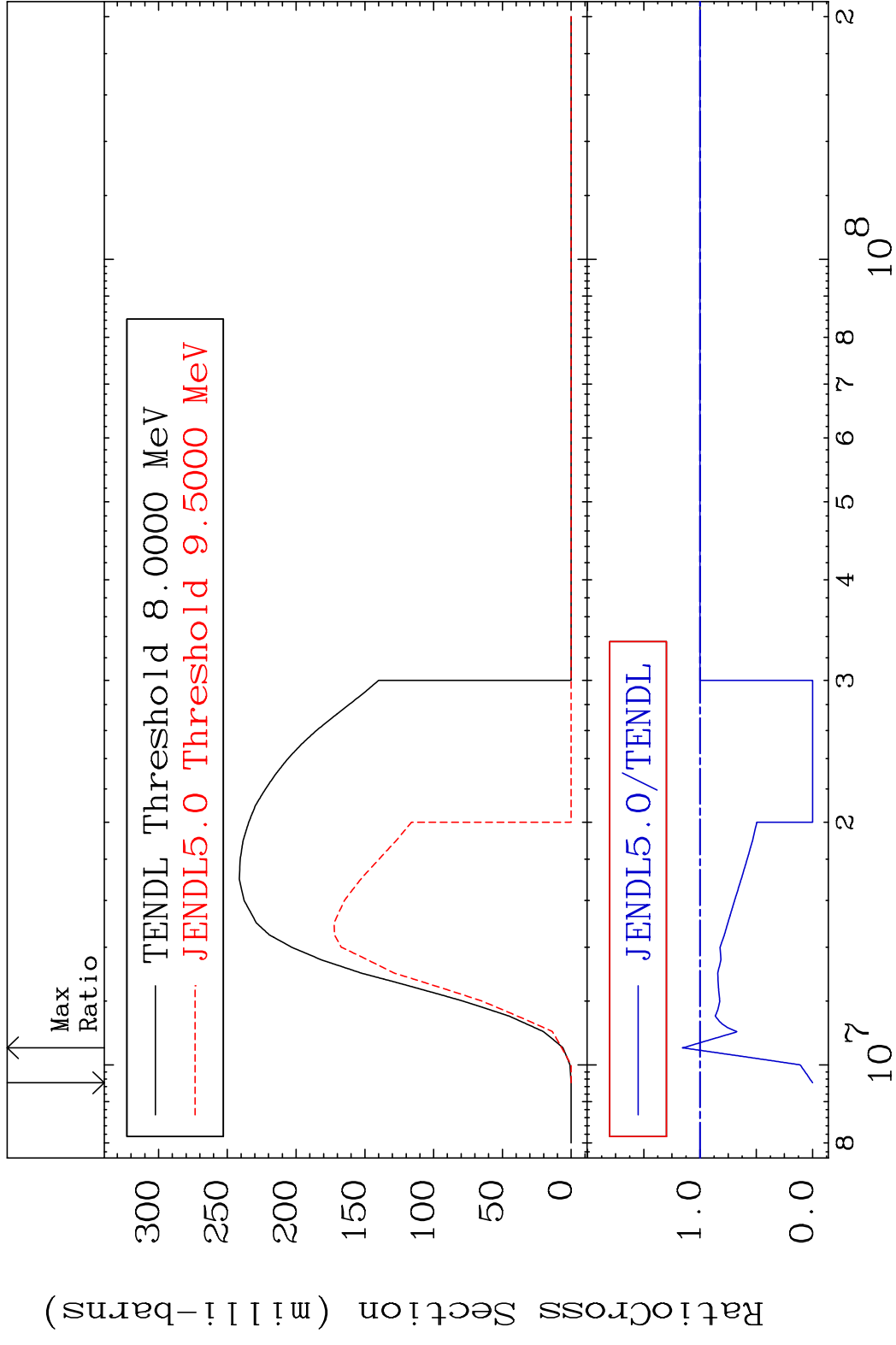
MAT 4225 (n,2n):42-Mo-91m1 42-Mo-92  
 Radionuclide Production Cross Section Ratio 2577. %



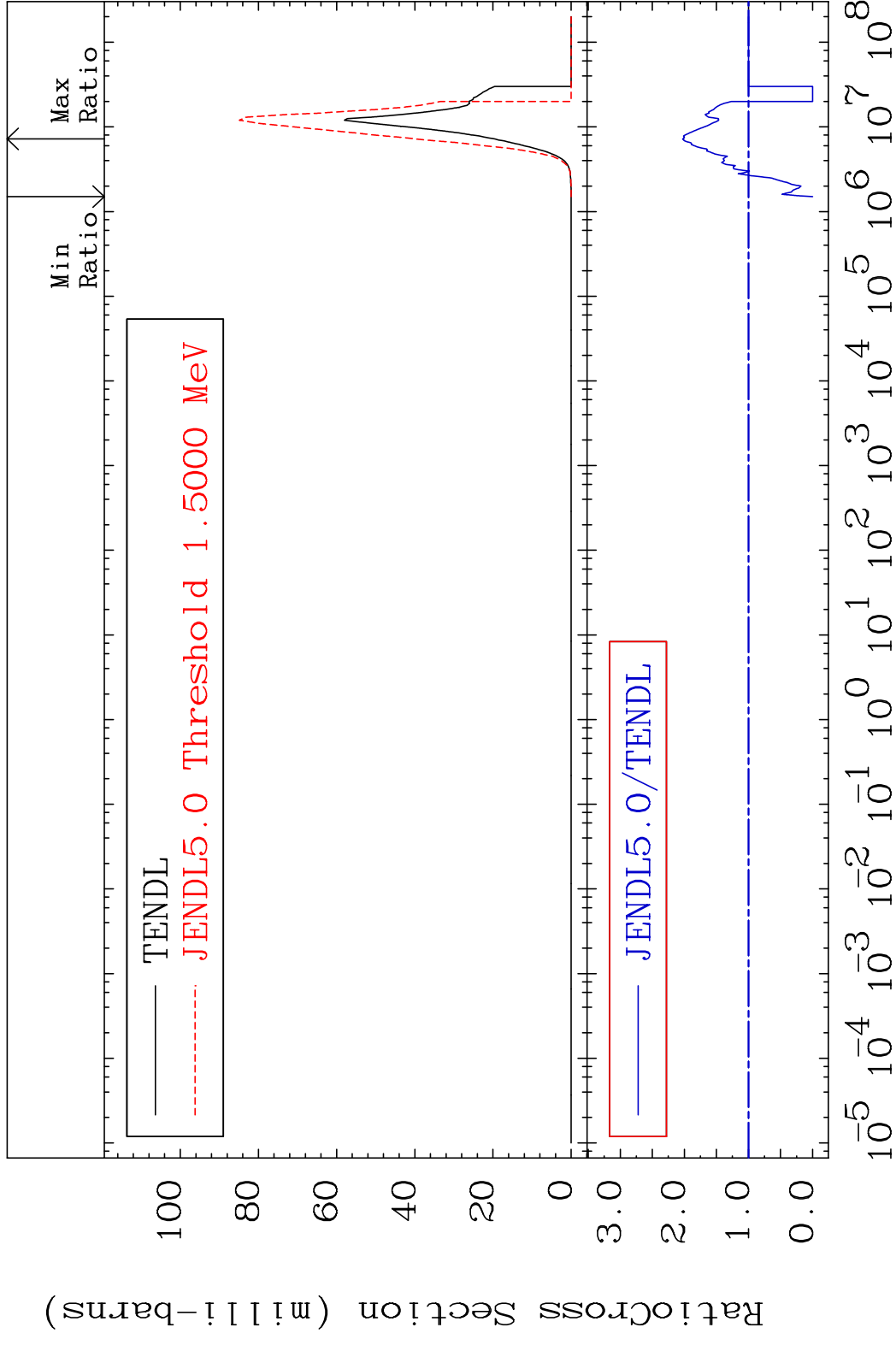
MAT 4225 (n, n') p:41-Nb-91g 42-Mo-92  
 Radionuclide Production Cross Section Ratio 6.118 %



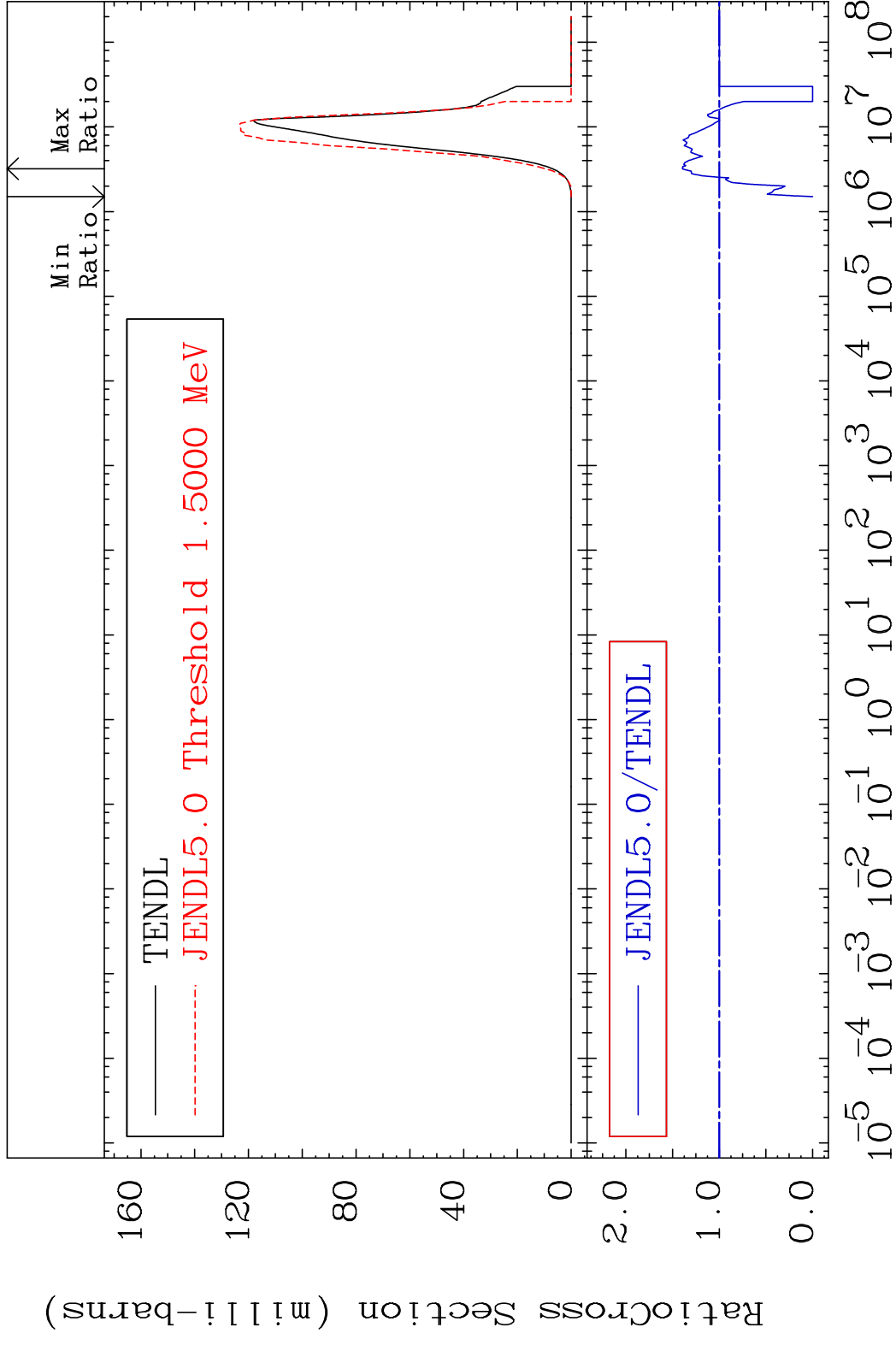
MAT 4225 (n, n') p:41-Nb-91m1 42-Mo-92  
 Radionuclide Production Cross Section 180.0 mb 15.72 %

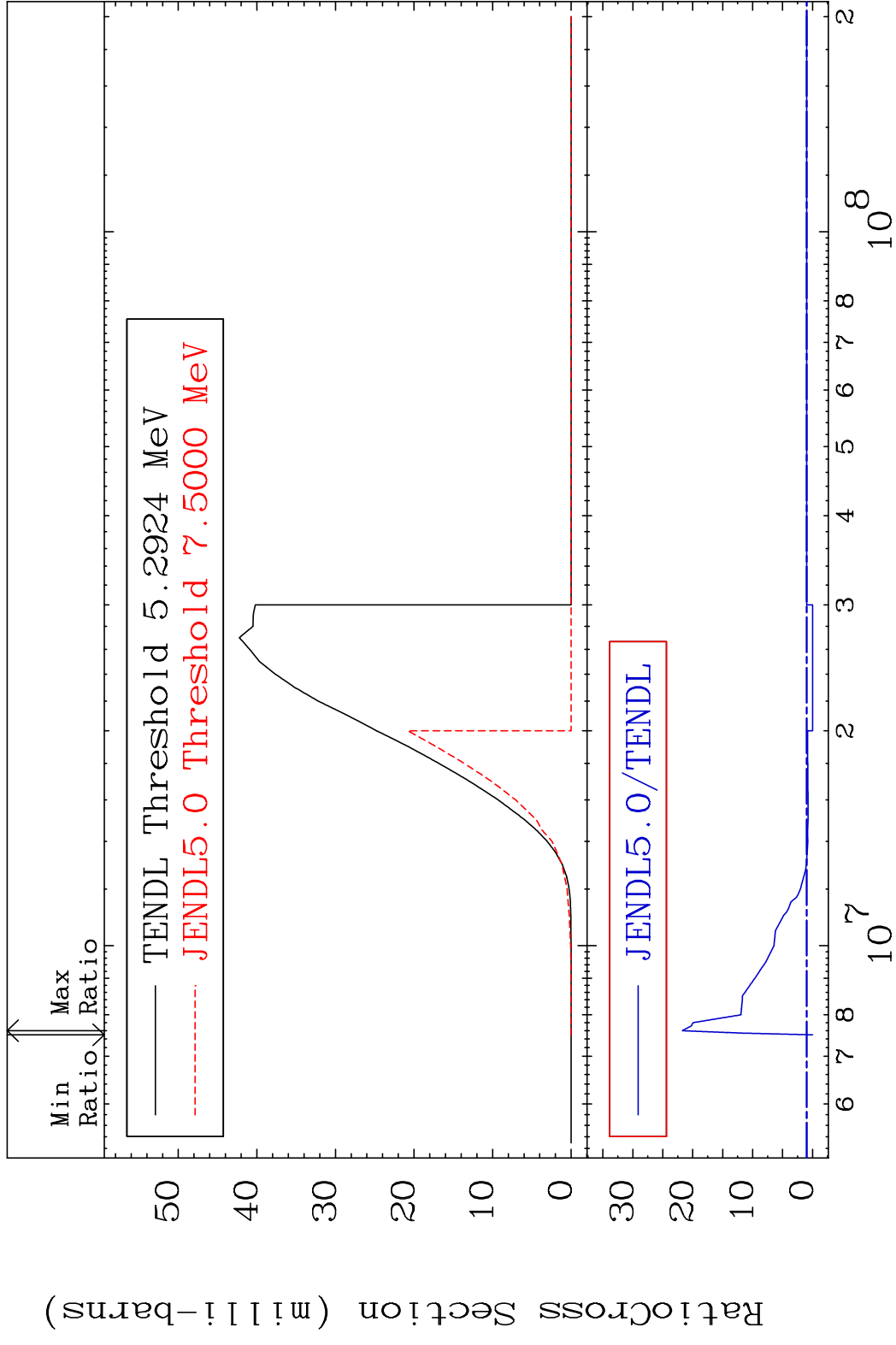


MAT 4225 (n, p) : 41-Nb-92g 42-Mo-92  
 Radionuclide Production Cross Section 100.0 dth 103.2 %



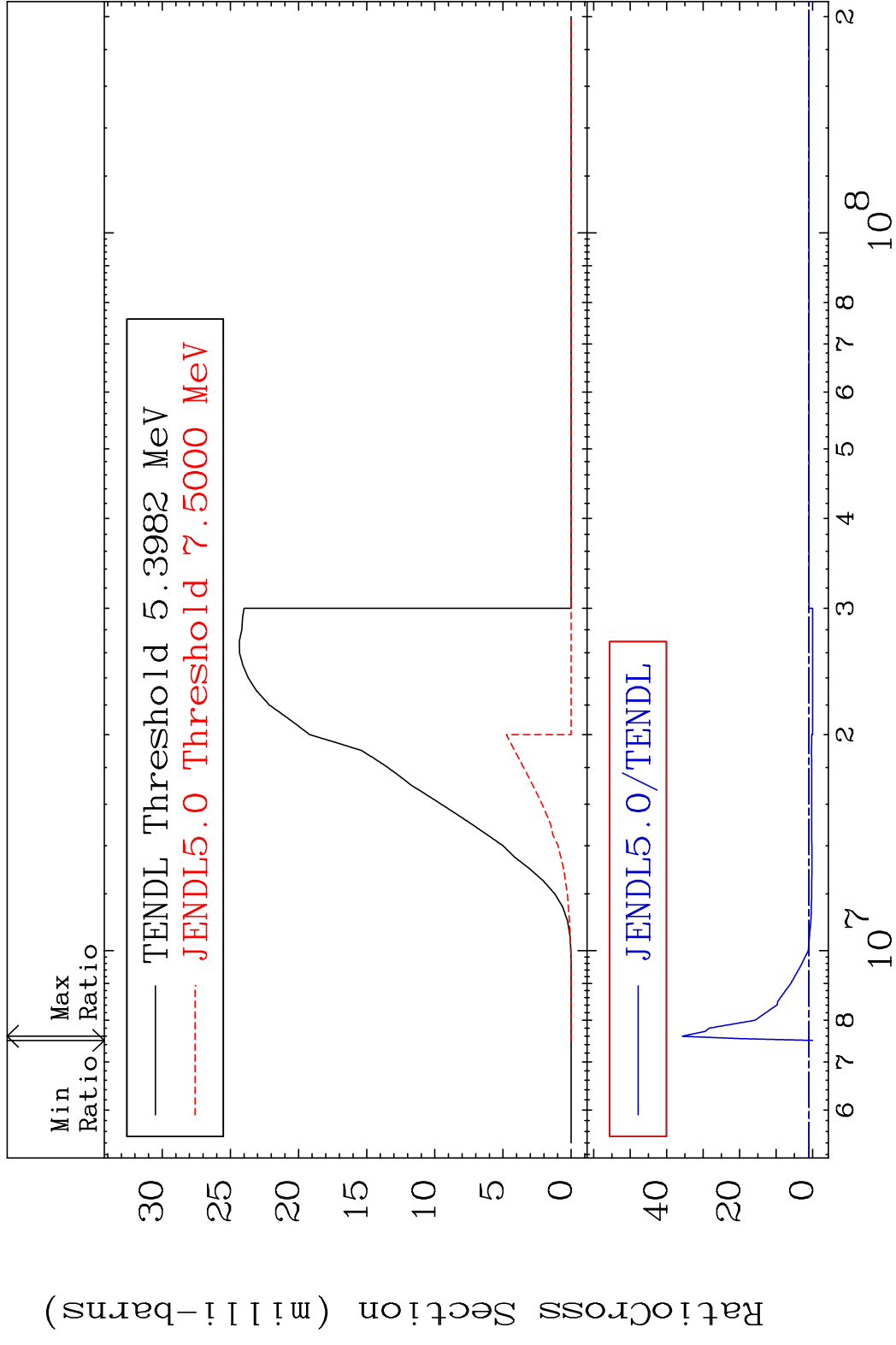
MAT 4225 (n,p):41-Nb-92m1 42-Mo-92  
 Radionuclide Production Cross Section 180.0 mb 39.53 %



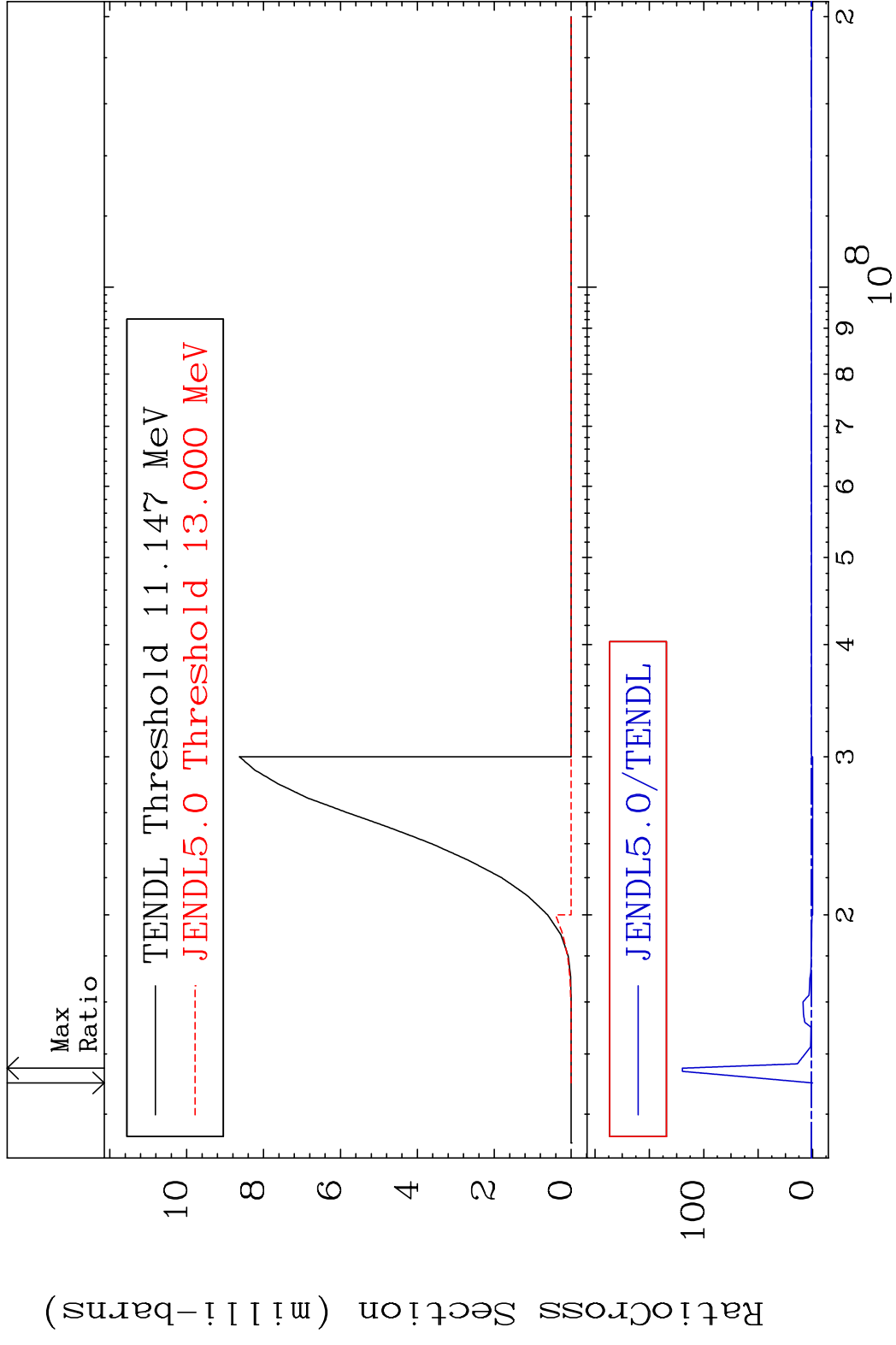


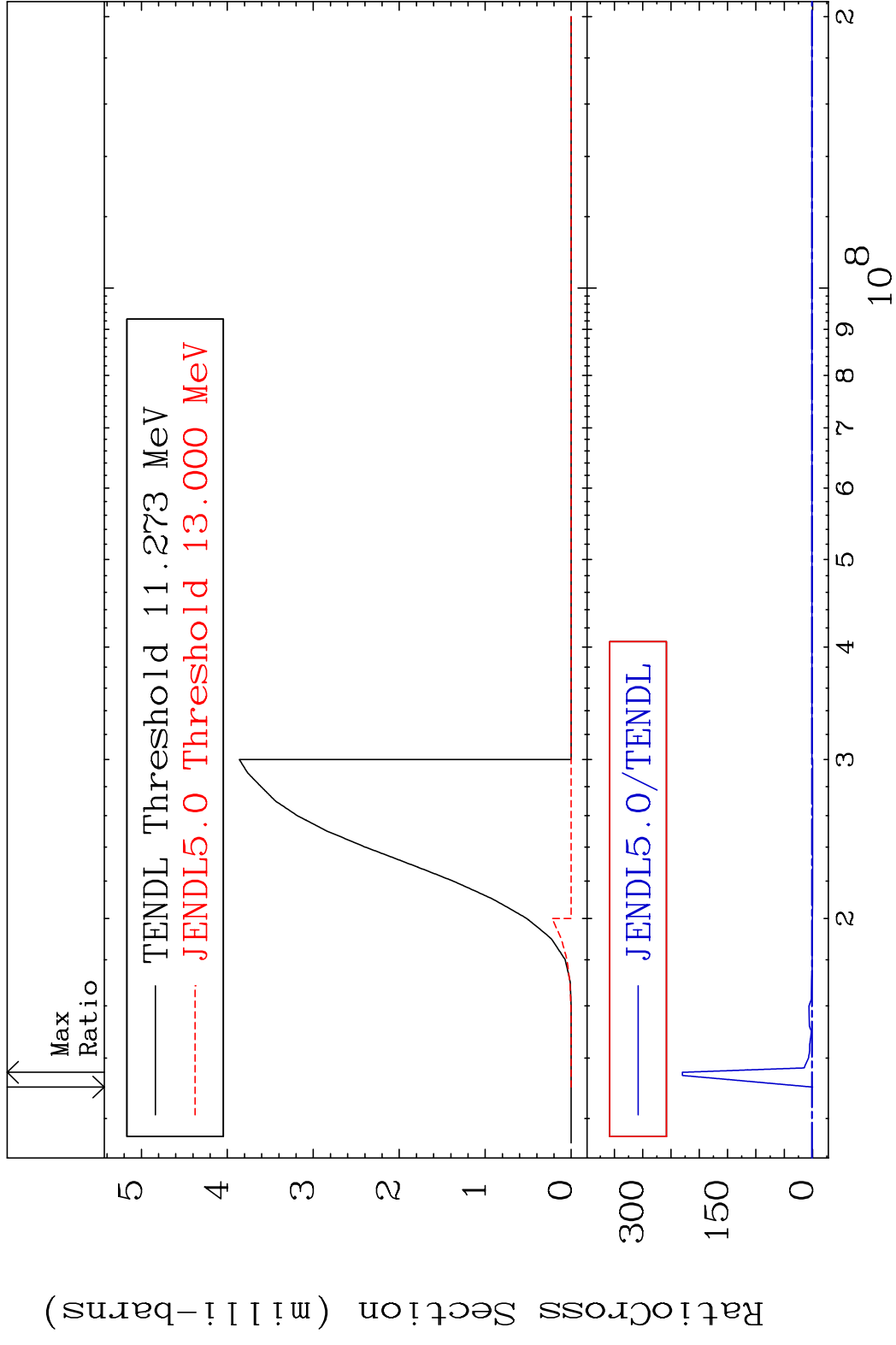


MAT 4225 (n, d): 41-Nb-91m1 42-Mo-92  
 Radionuclide Production Cross Section 3468. %

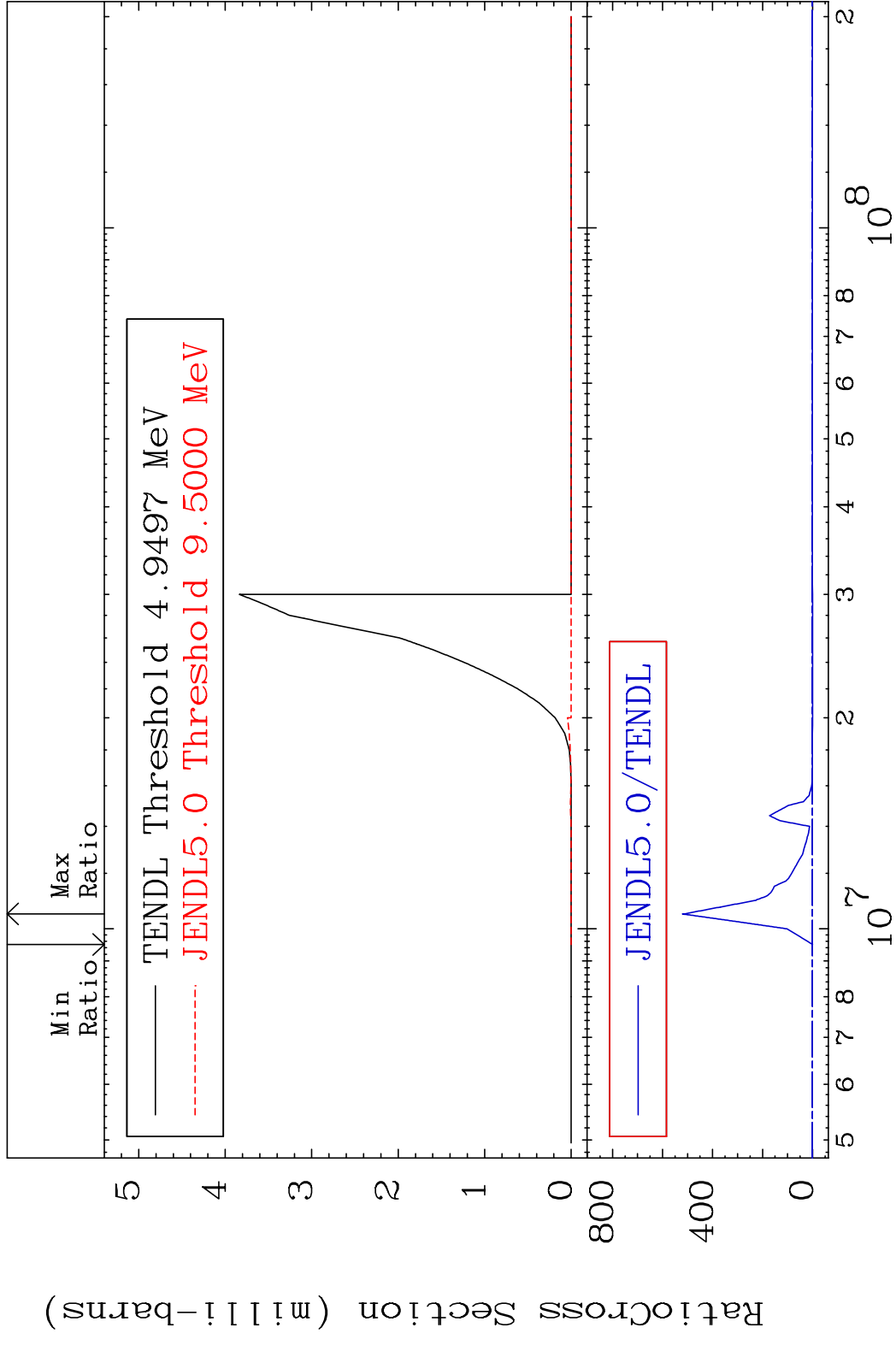


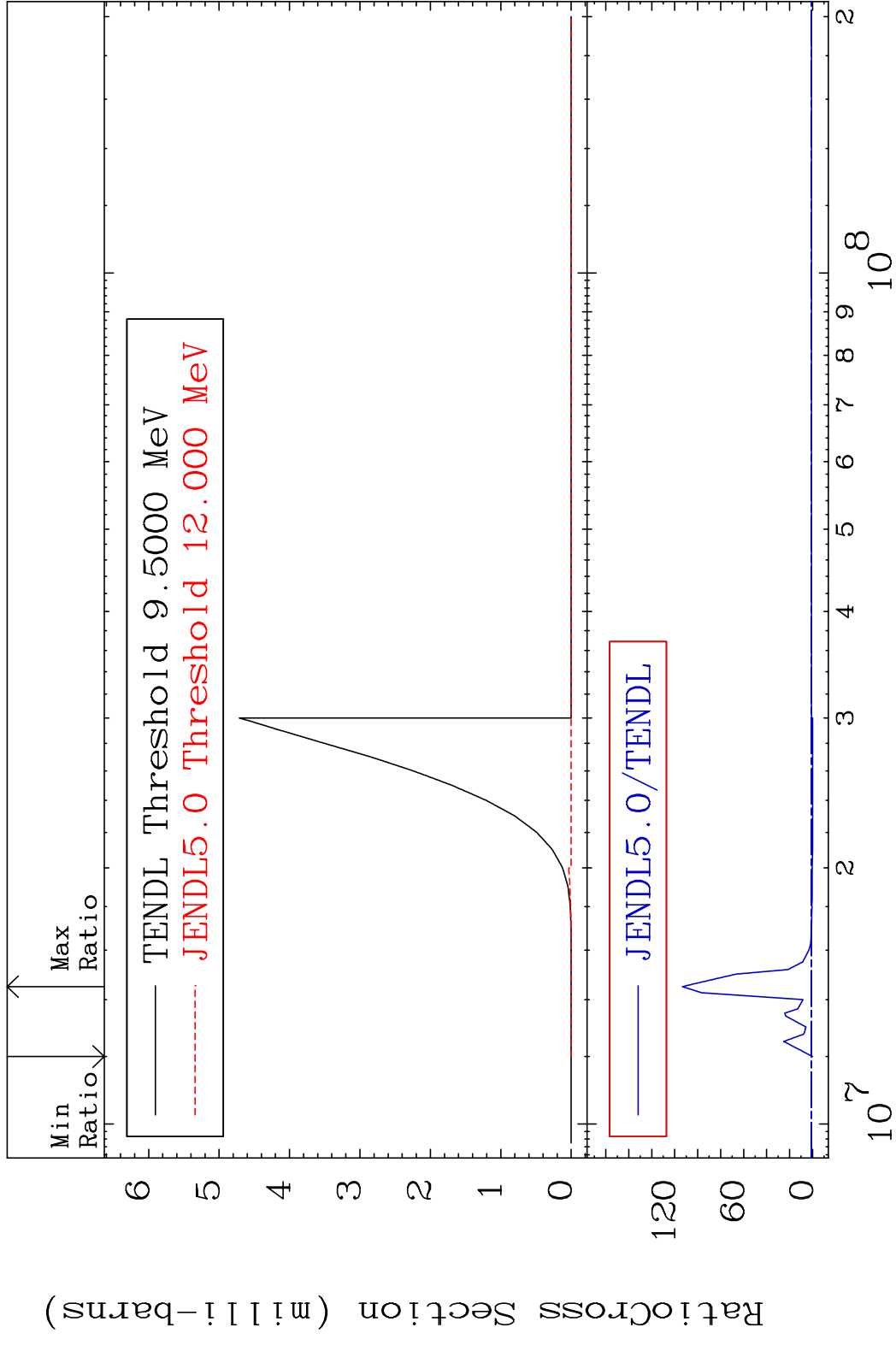
64 Incident Energy (eV) 42-Mo-92



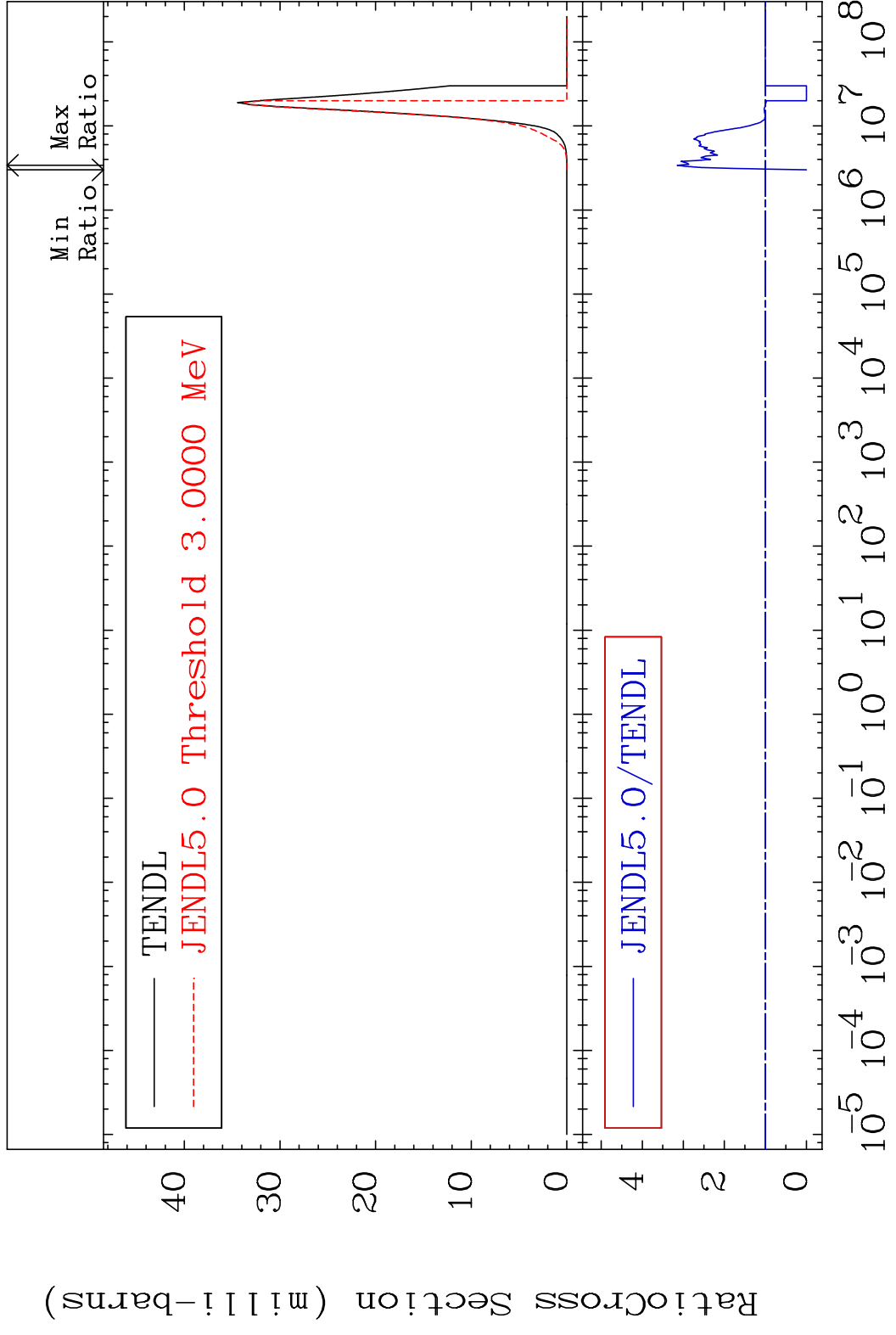


MAT 4225 (n, He-3): 40-Zr-90g 42-Mo-92  
 Radionuclide Production Cross Section Ratio 9999. %





MAT 4225 (n,  $\alpha$ ): 40-Zr-89g 42-Mo-92  
 Radionuclide Production Cross Section Ratio 214.9 %



MAT 4225 (n,α): 40-Zr-89m1 42-Mo-92  
 Radionuclide Production Cross Section 180.0 dth 224.5 %

