

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

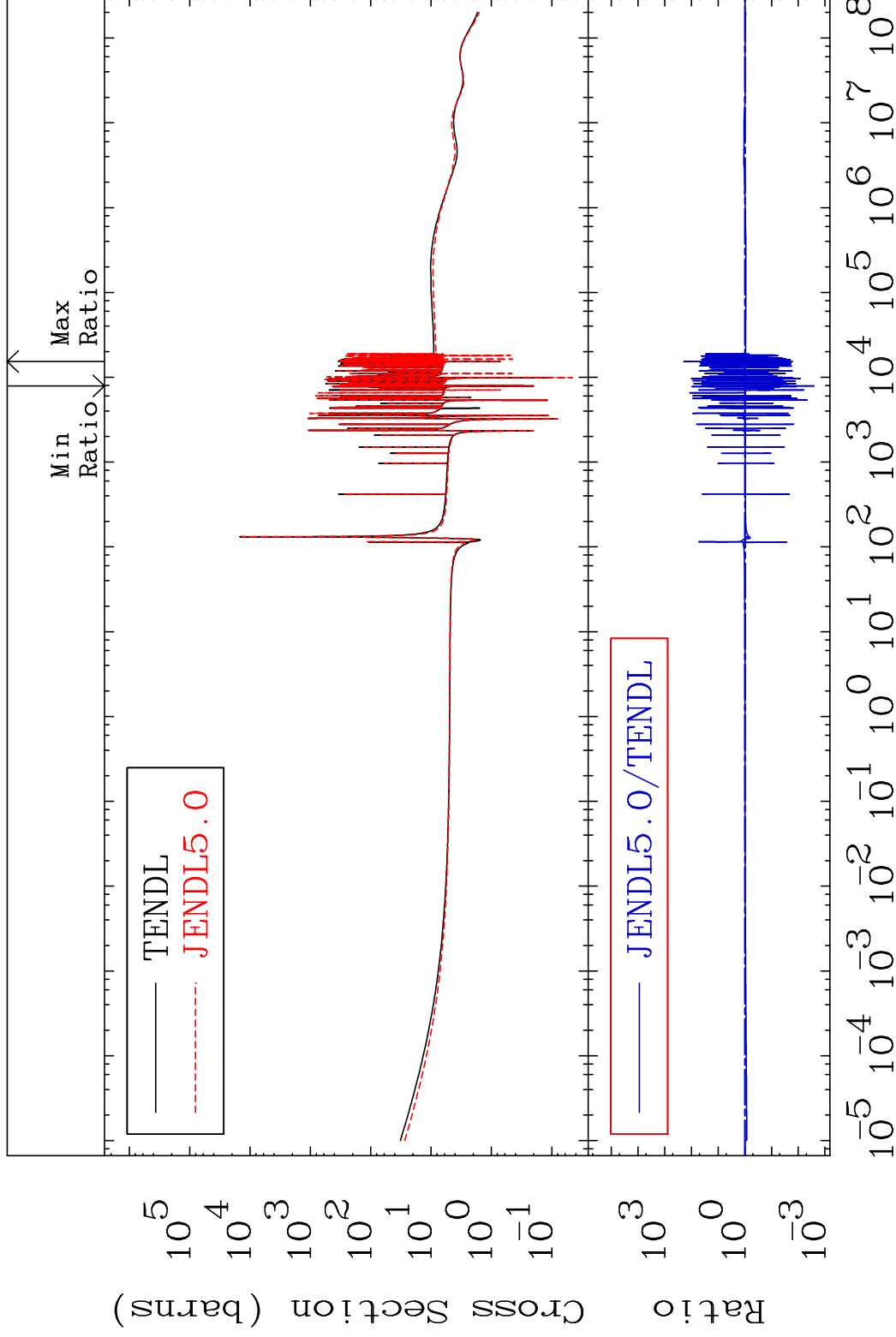
MAT 4237

Total

42-Mo-96

Cross Section

-99.74 To 9999. %



1

Incident Energy (eV)

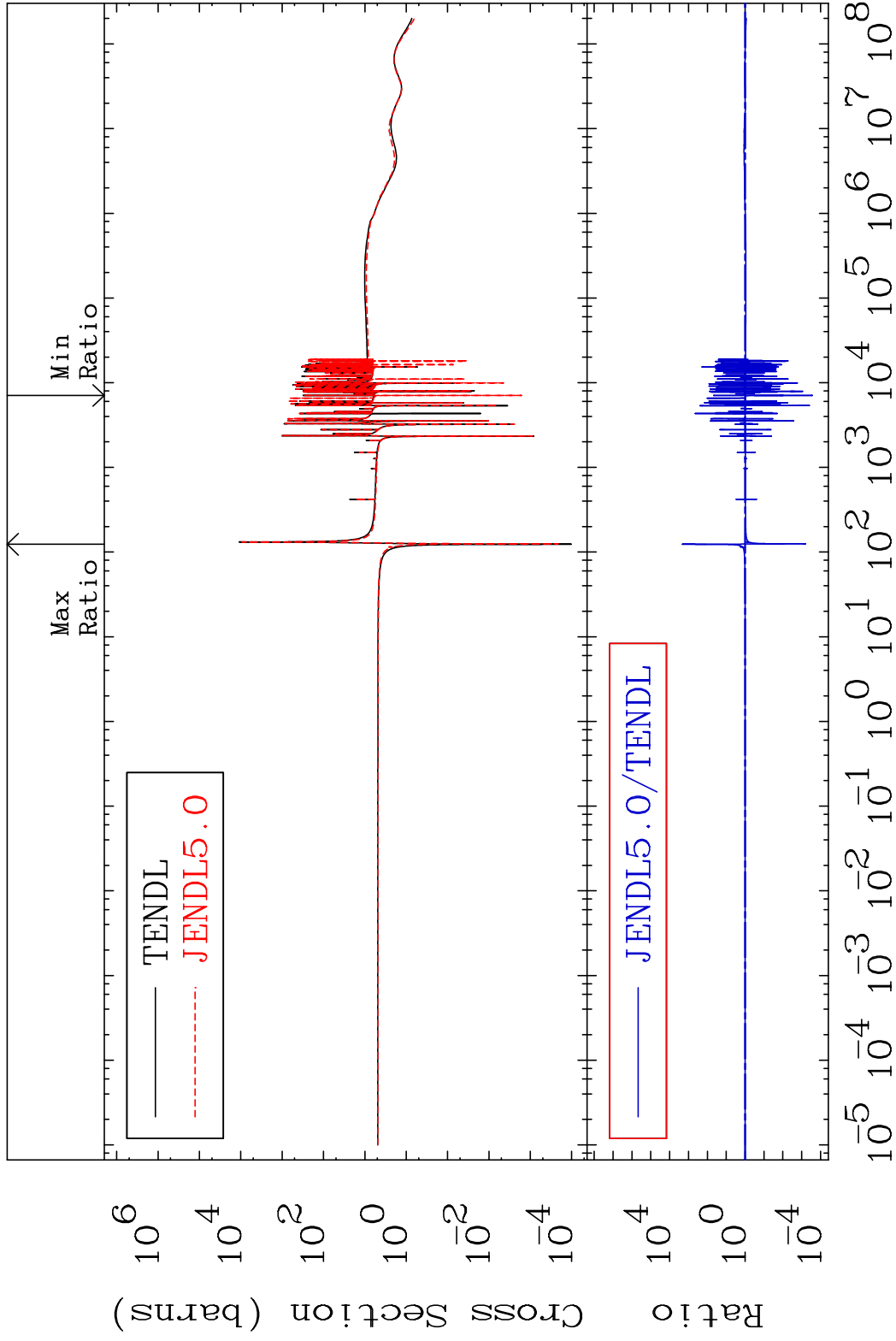
42-Mo-96

MAT 4237

Elastic

42-Mo-96

Cross Section -99.97 To 9999. %



2

Incident Energy (eV)

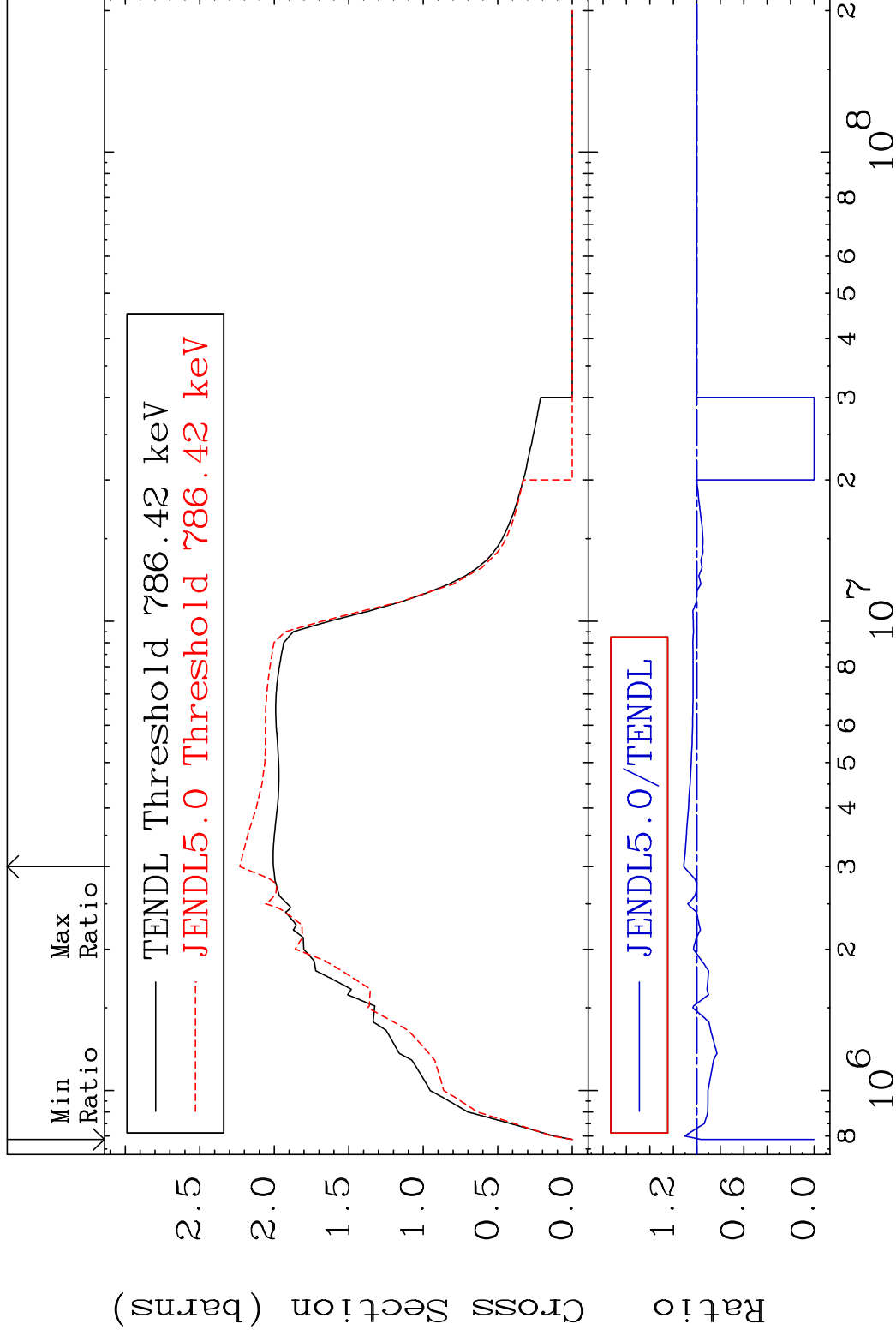
42-Mo-96

MAT 4237

Inelastic

42-Mo-96

Cross Section -100.0 To 11.21 %



3

Incident Energy (eV)

42-Mo-96

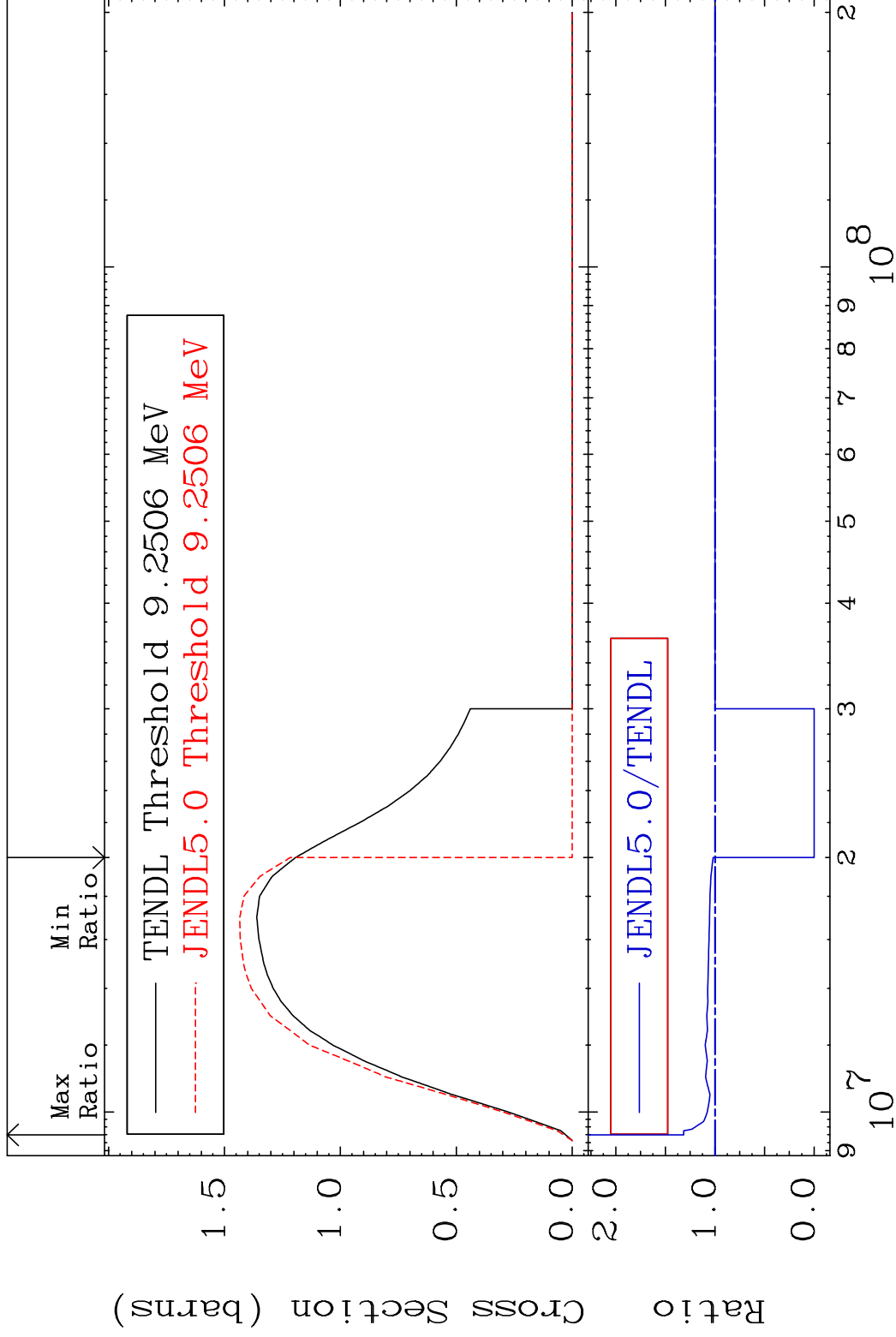


MAT 4237

(n,2n)

42-Mo-96

Cross Section -100.0 To 31.52 %

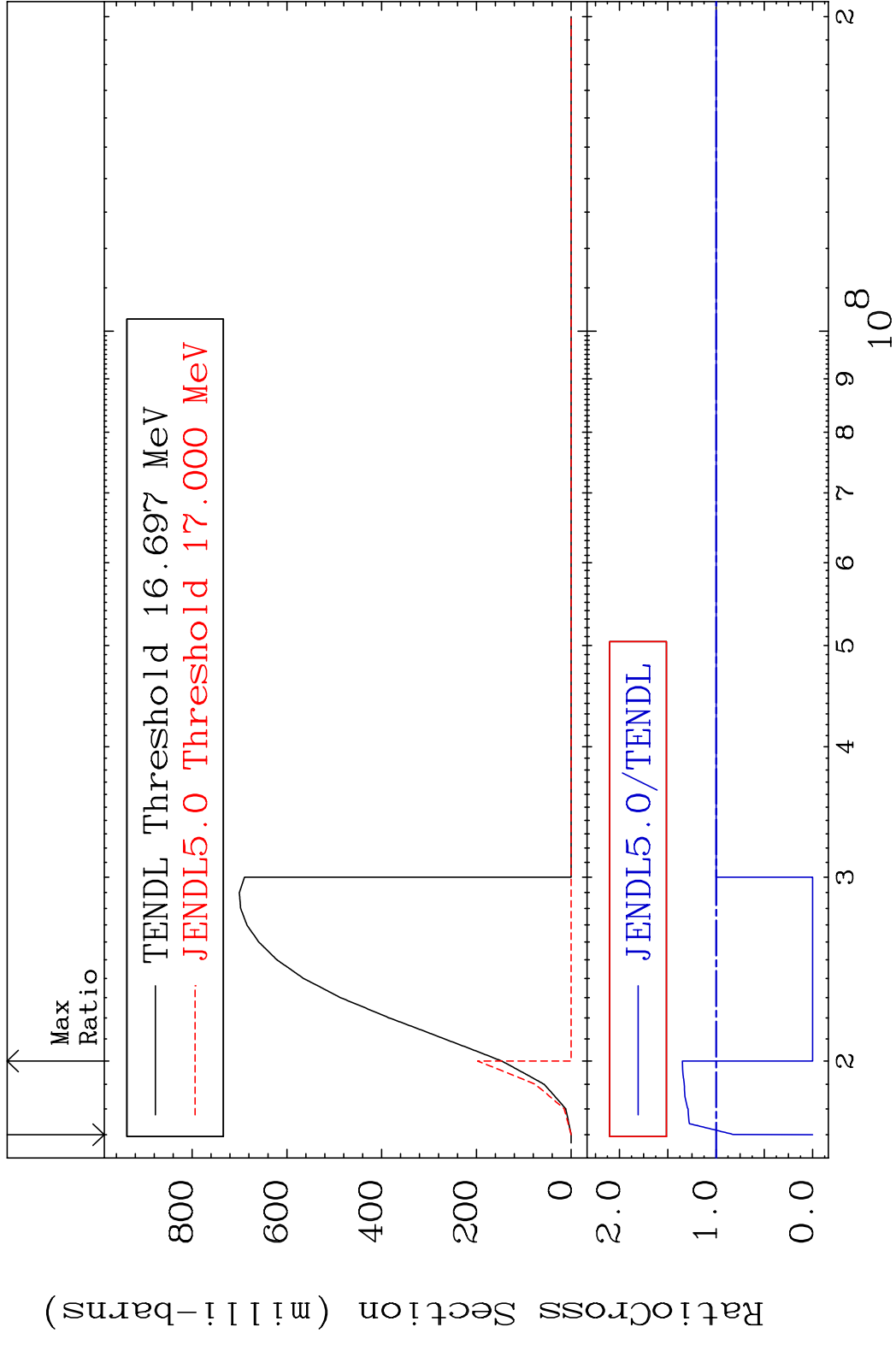


5

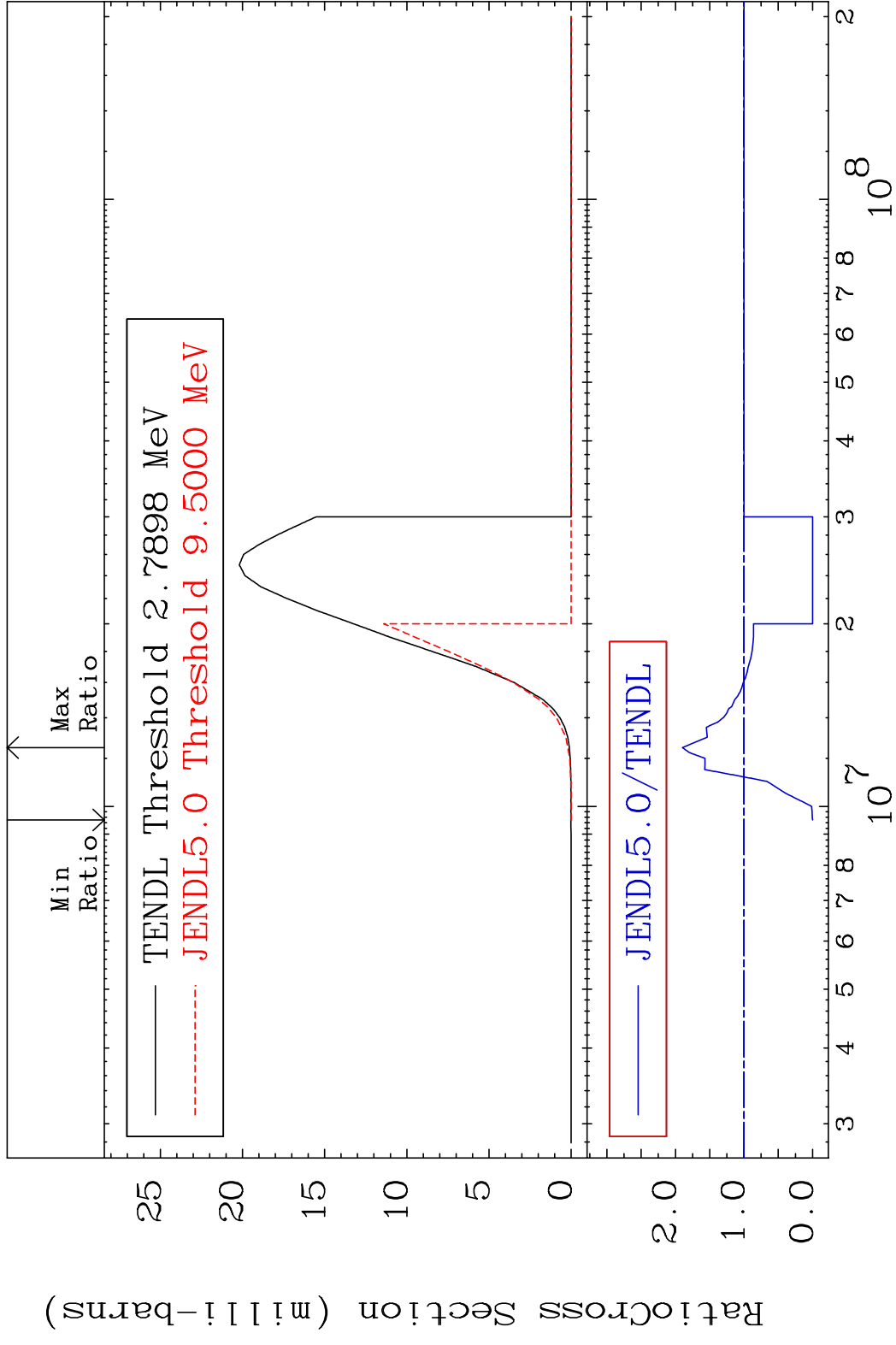
Incident Energy (eV)

42-Mo-96

MAT 4237 (n,3n) 42-Mo-96  
 Cross Section -100.0 To 34.91 %



MAT 4237 (n, n')  $\alpha$  42-Mo-96  
 Cross Section -100.0 To 89.93 %

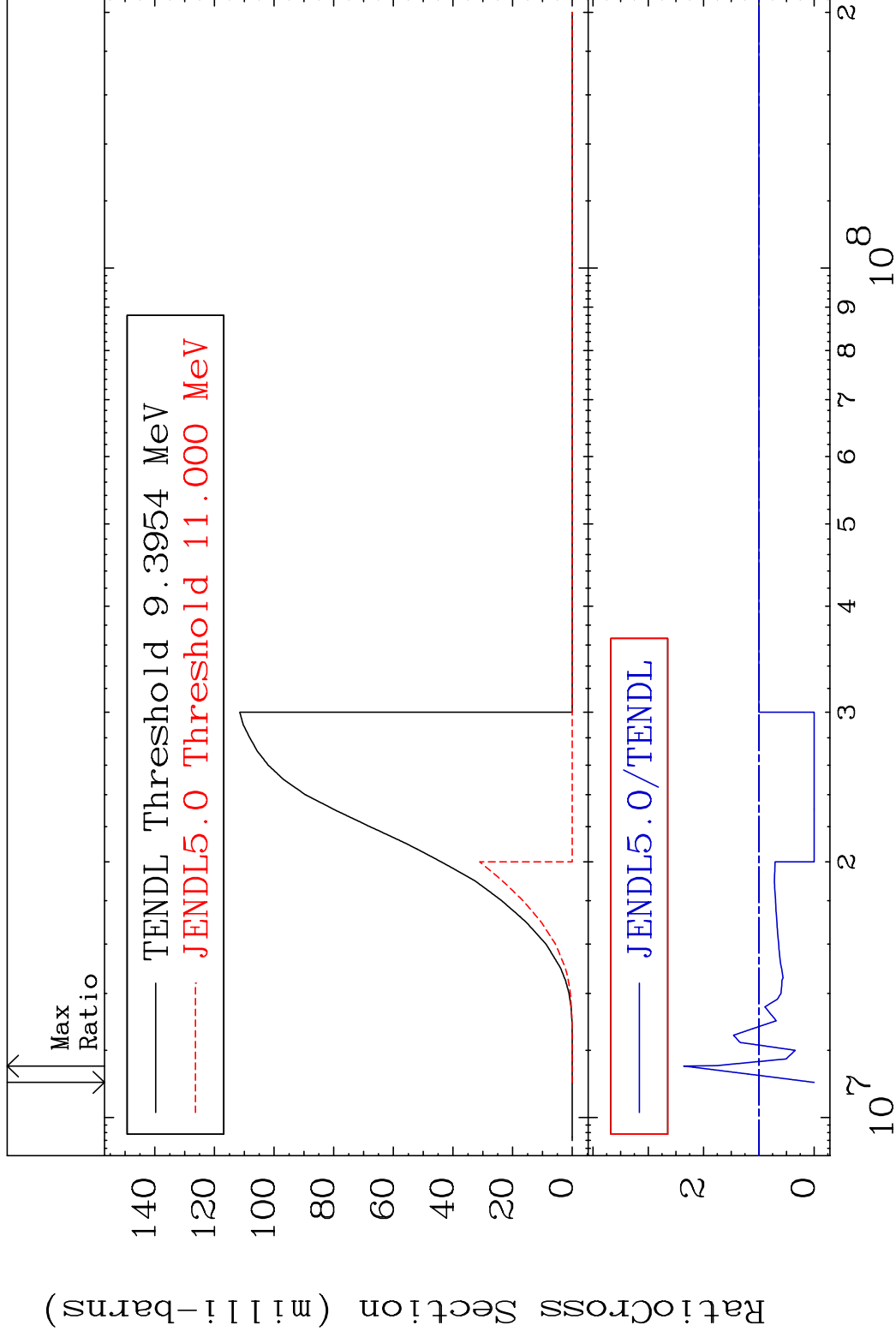


MAT 4237

(n, n') p

42-Mo-96

Cross Section -100.0 To 135.9 %



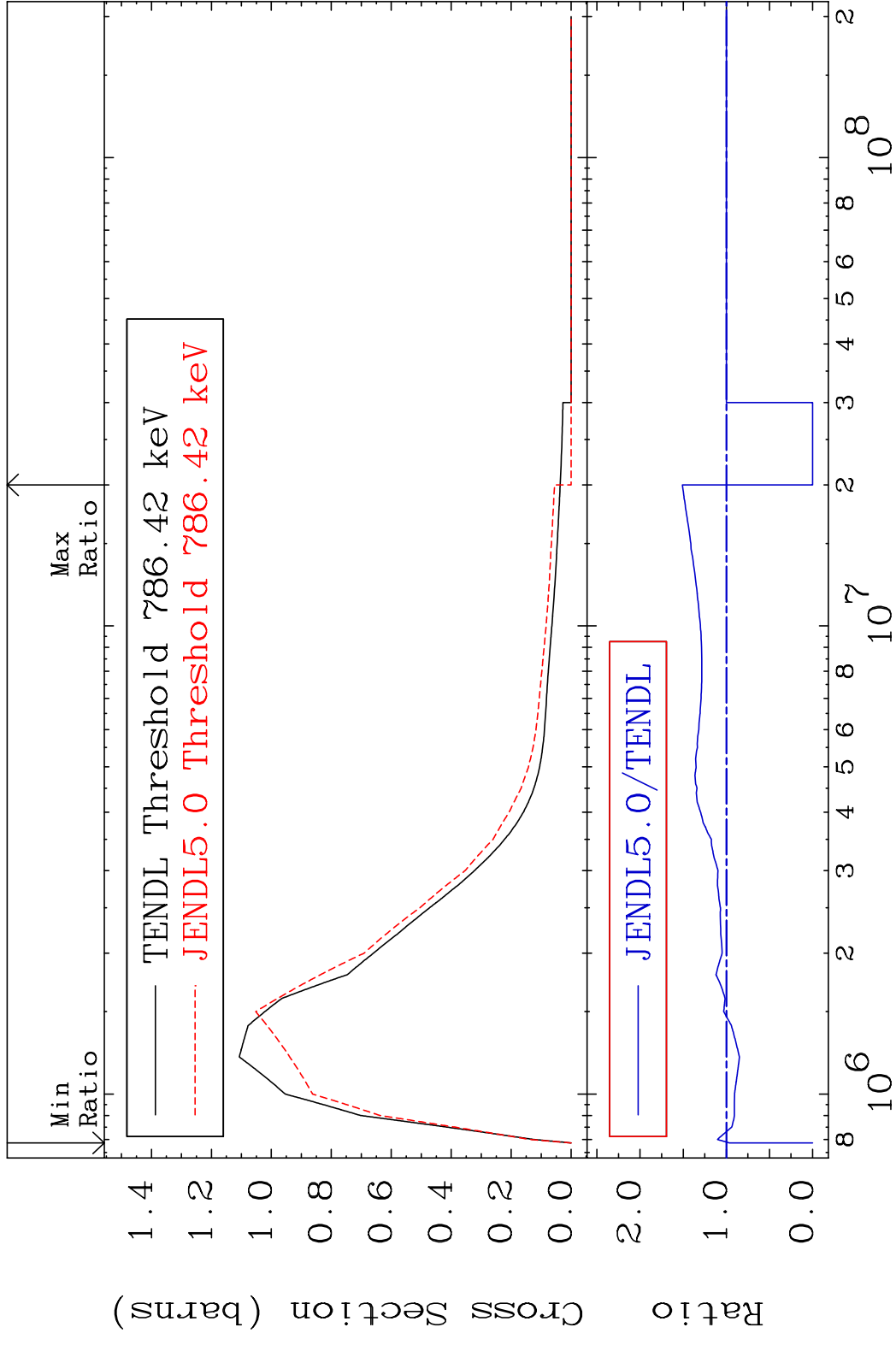
8

Incident Energy (eV)

42-Mo-96

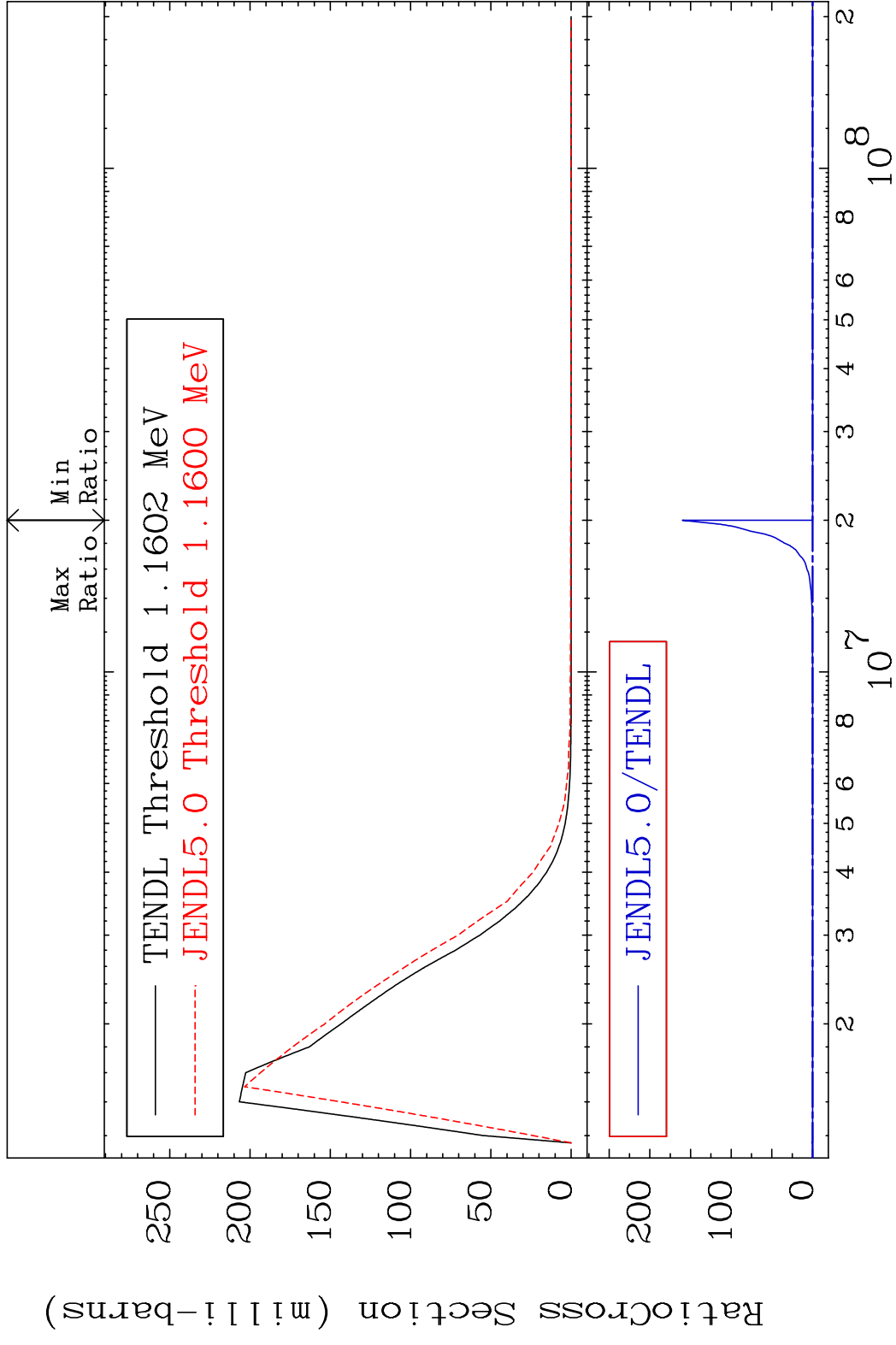


MAT 4237 MT= 51 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 50.98 %

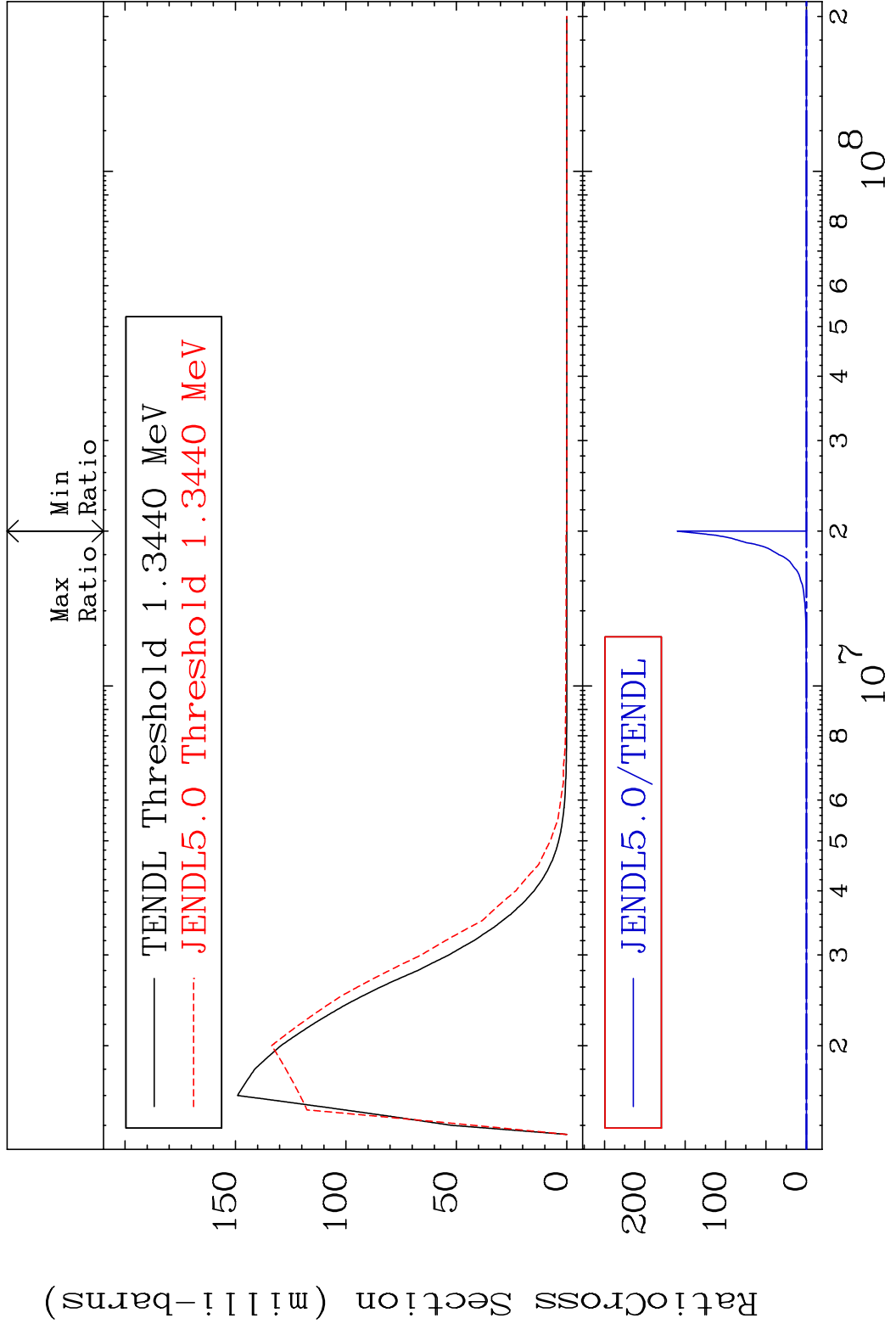


10 42-Mo-96

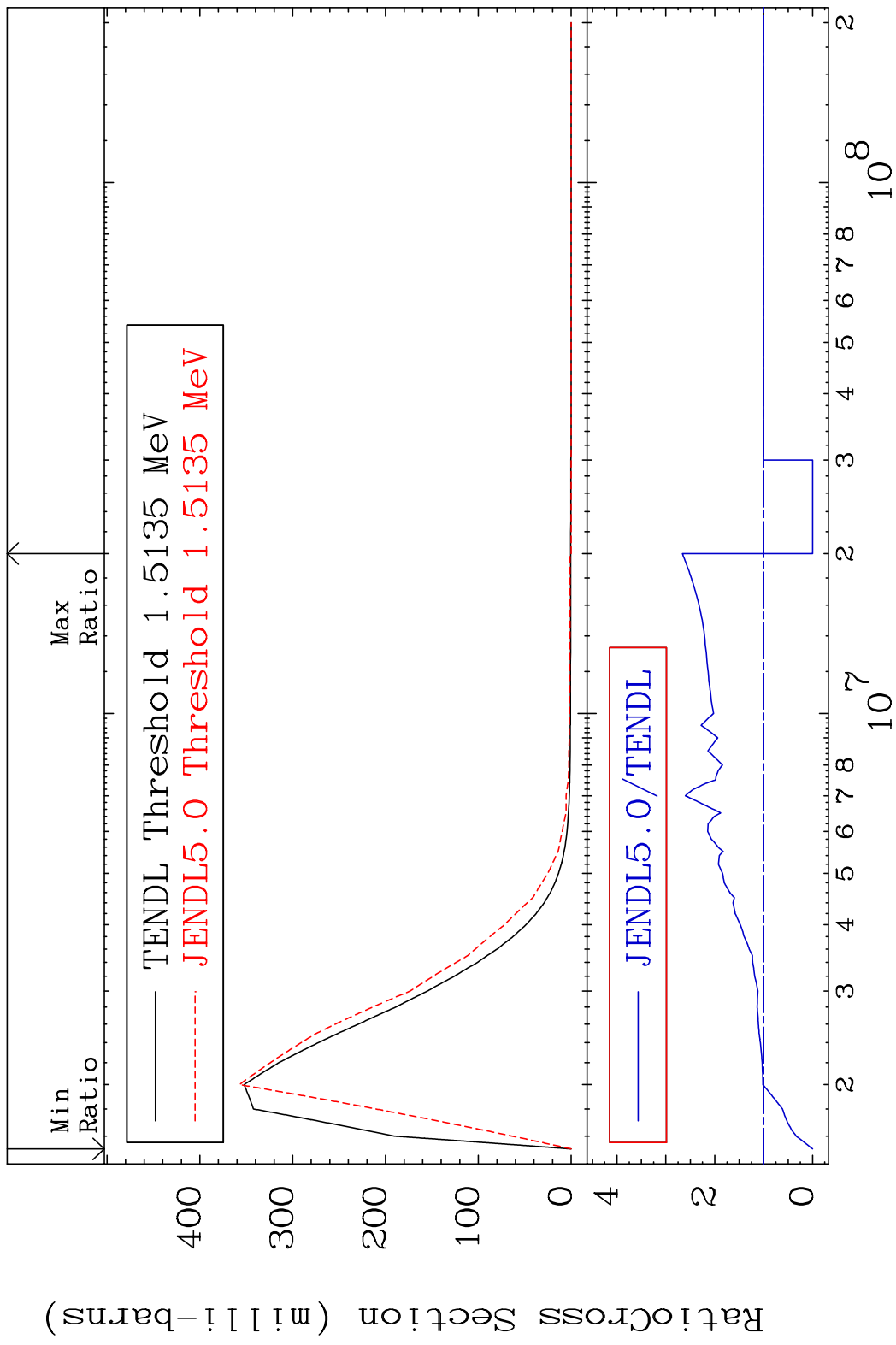
MAT 4237 MT= 52 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 9999. %



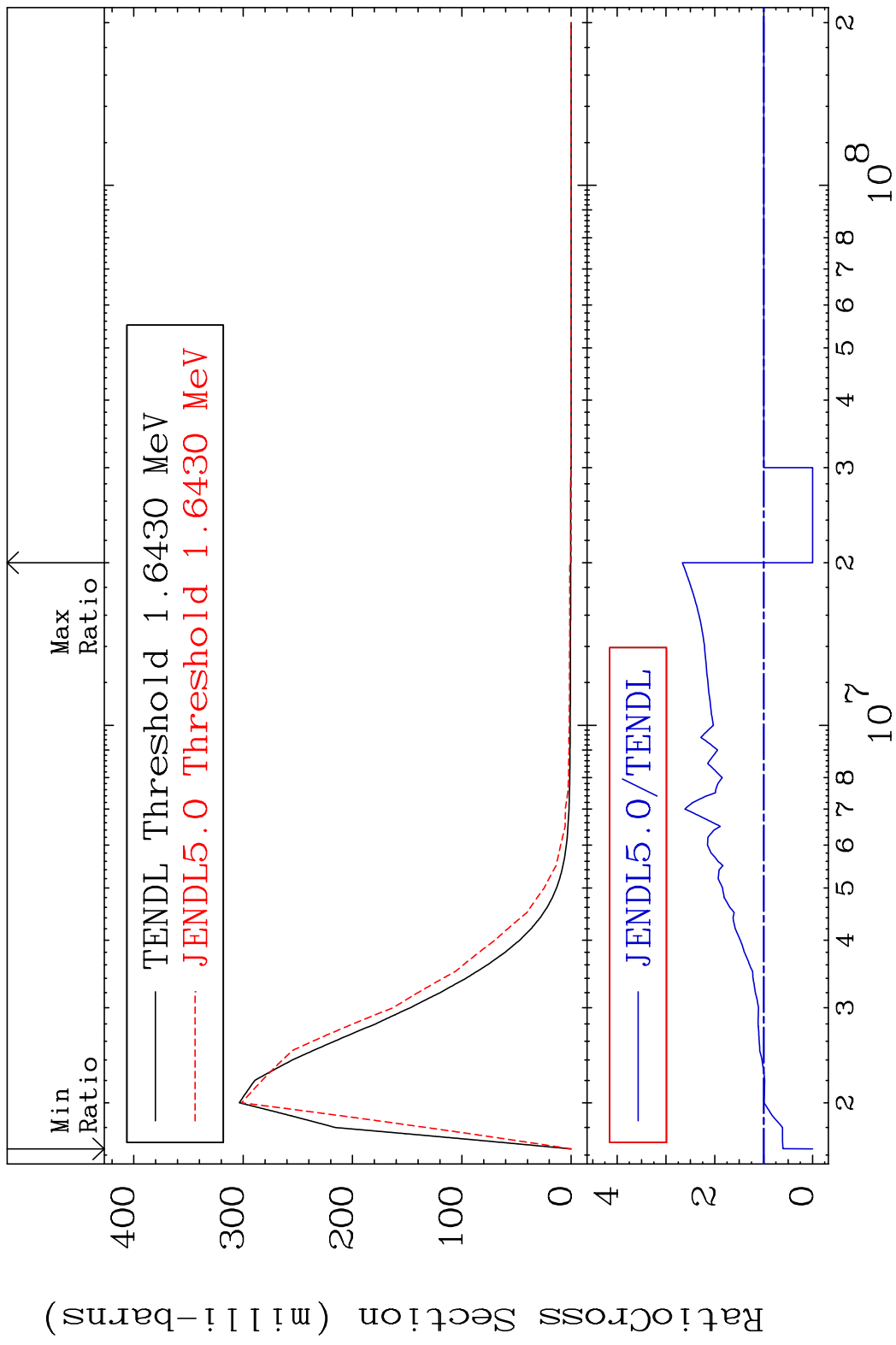
MAT 4237 MT= 53 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 9999. %



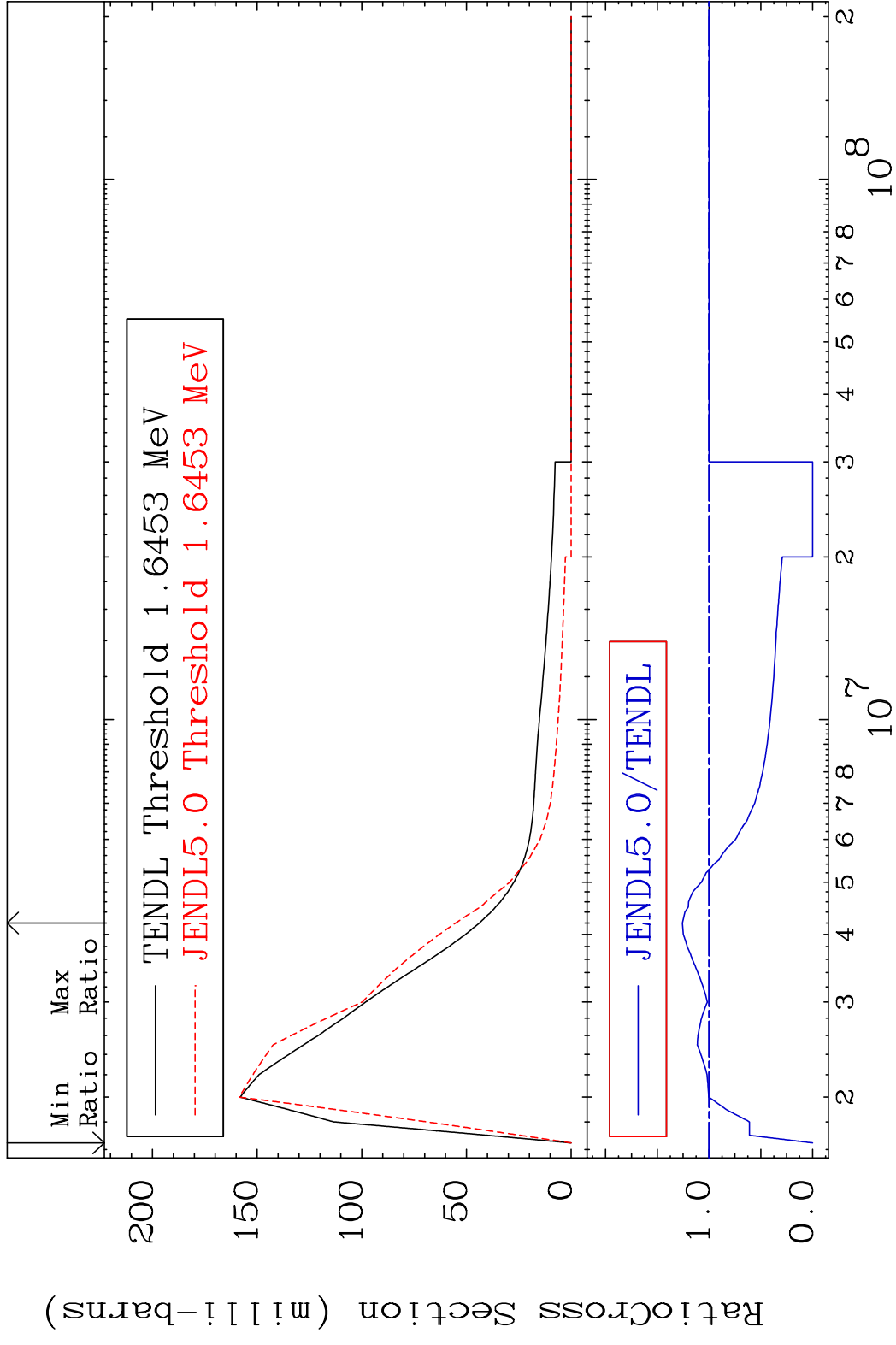
MAT 4237 MT= 54 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 166.2 %



MAT 4237 MT= 55 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 166.5 %

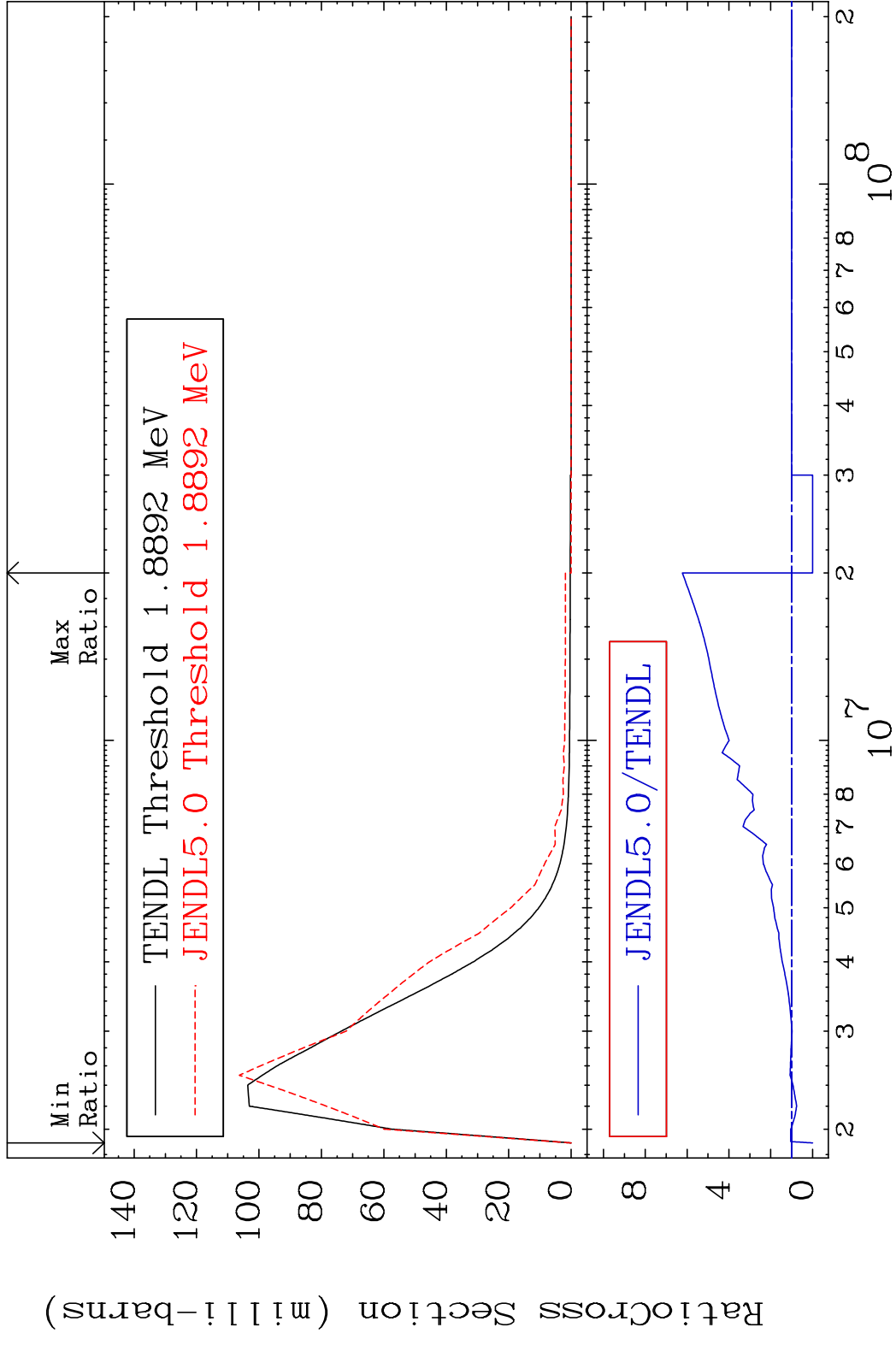


MAT 4237 MT= 56 (n,n') Level 42-Mo-96  
 Cross Section -100.0 To 25.80 %

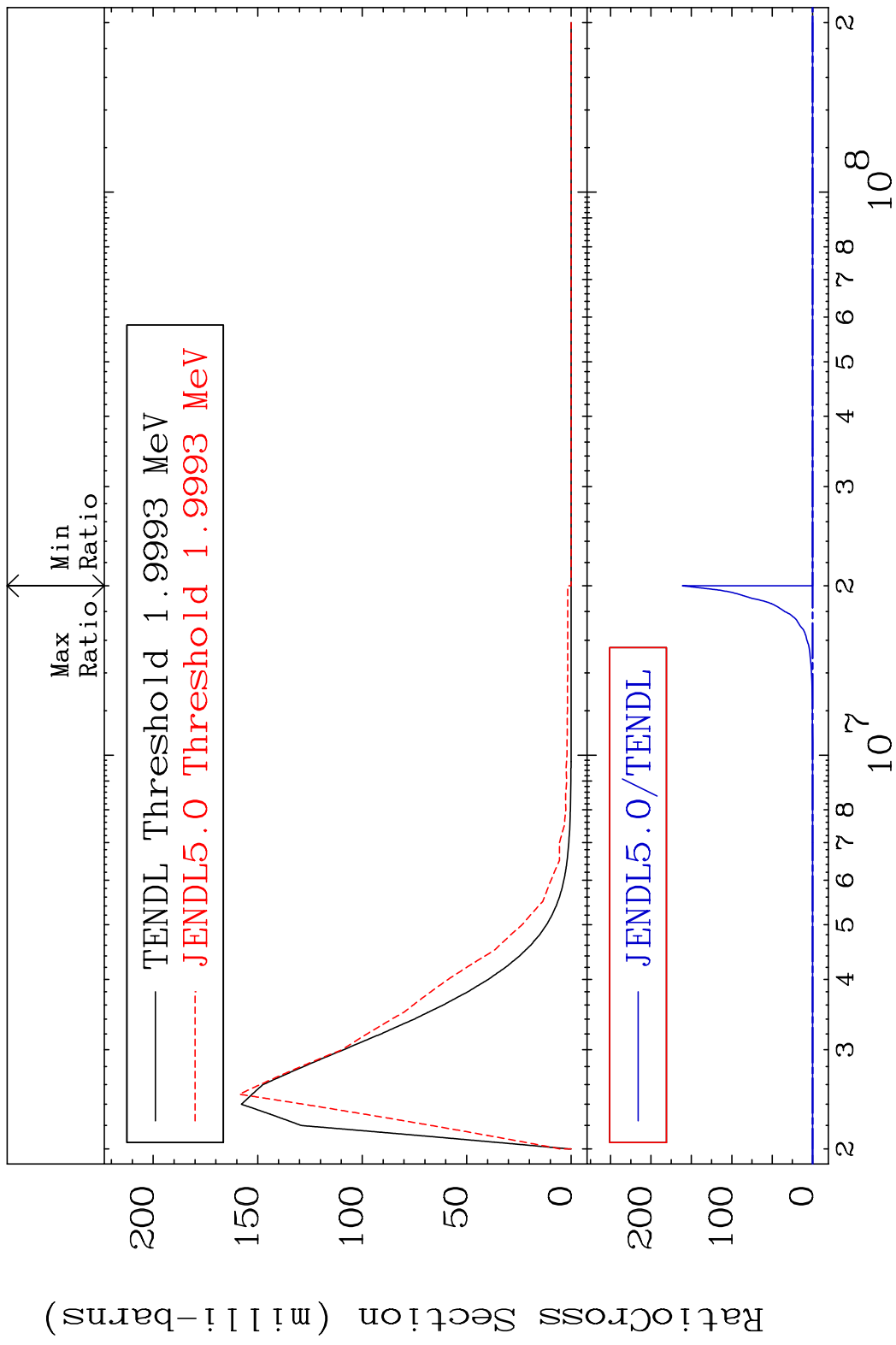


15 Incident Energy (eV) 42-Mo-96

MAT 4237 MT= 57 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 522.7 %

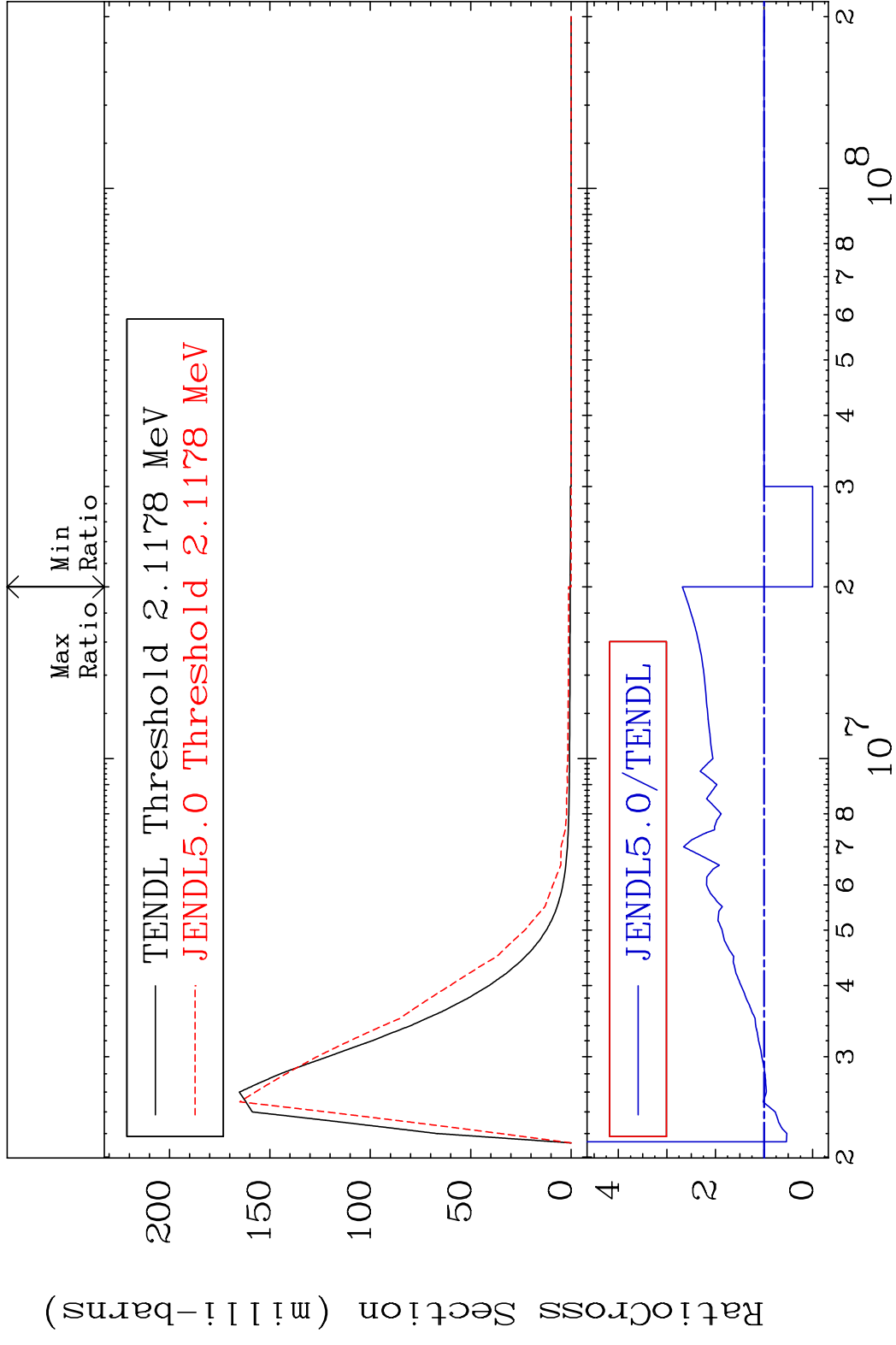


MAT 4237 MT= 58 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 9999. %

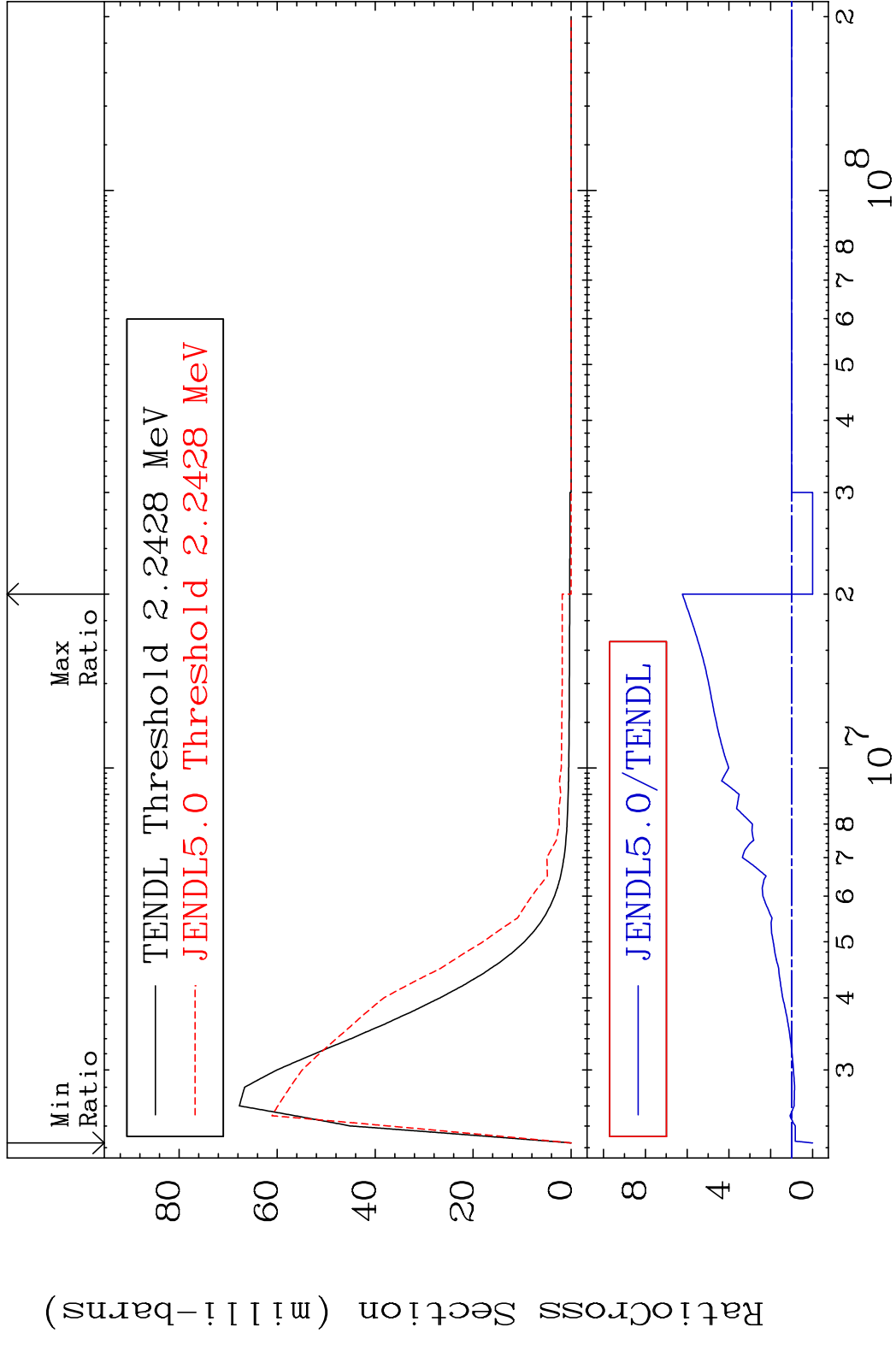


17 42-Mo-96

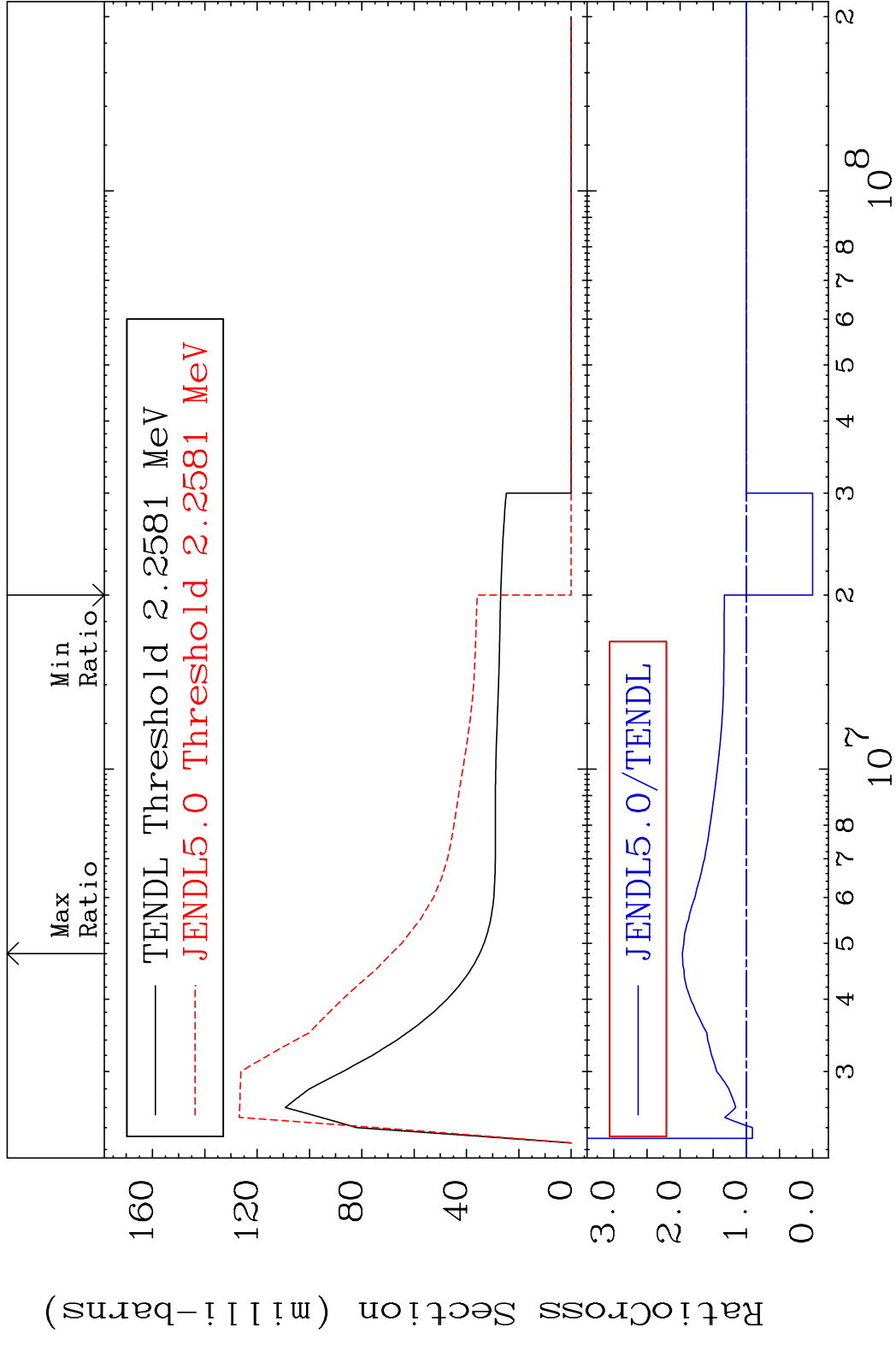
MAT 4237 MT= 59 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 168.2 %



MAT 4237 MT= 60 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 523.0 %

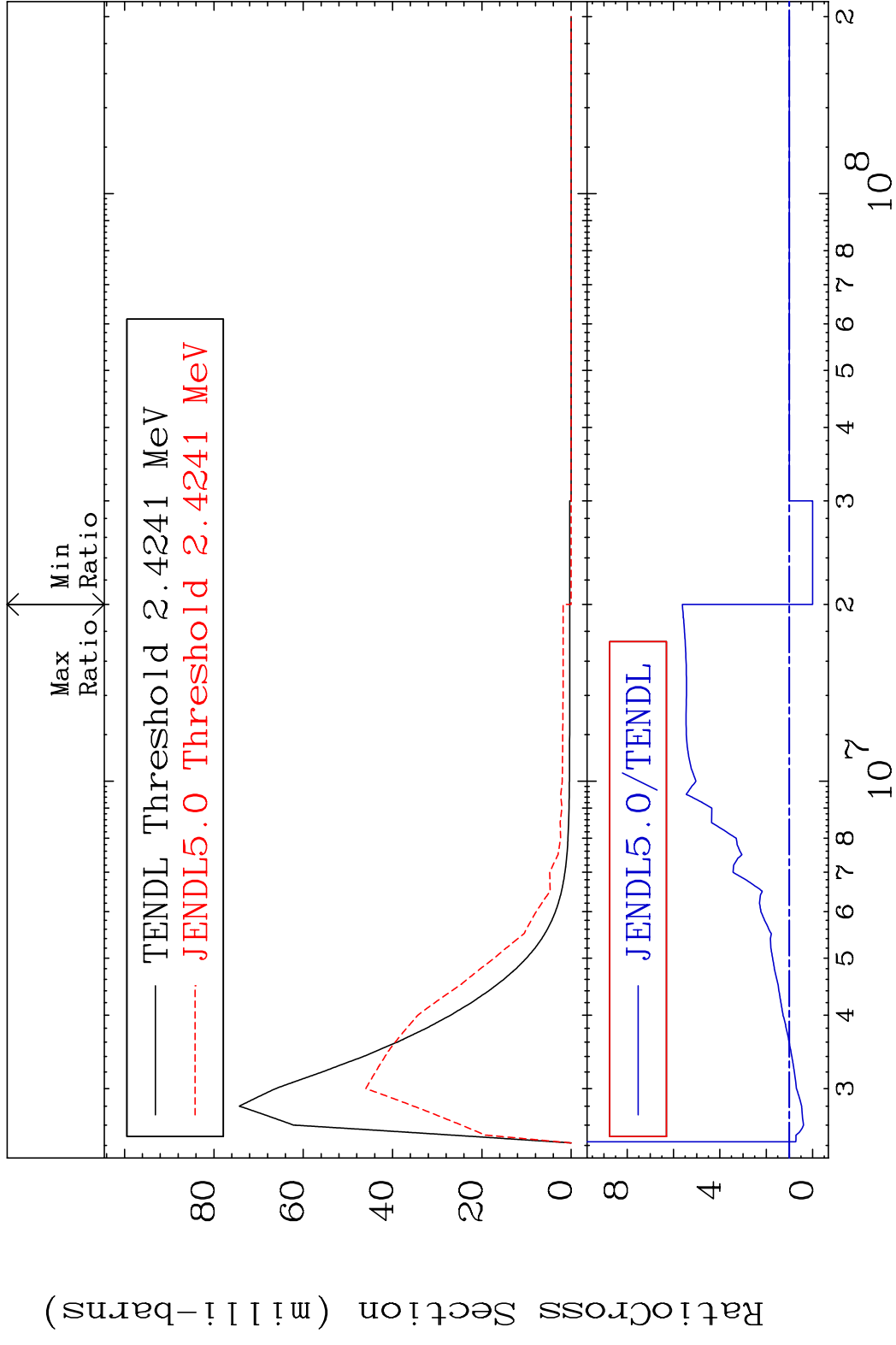


MAT 4237 MT= 61 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 96.58 %



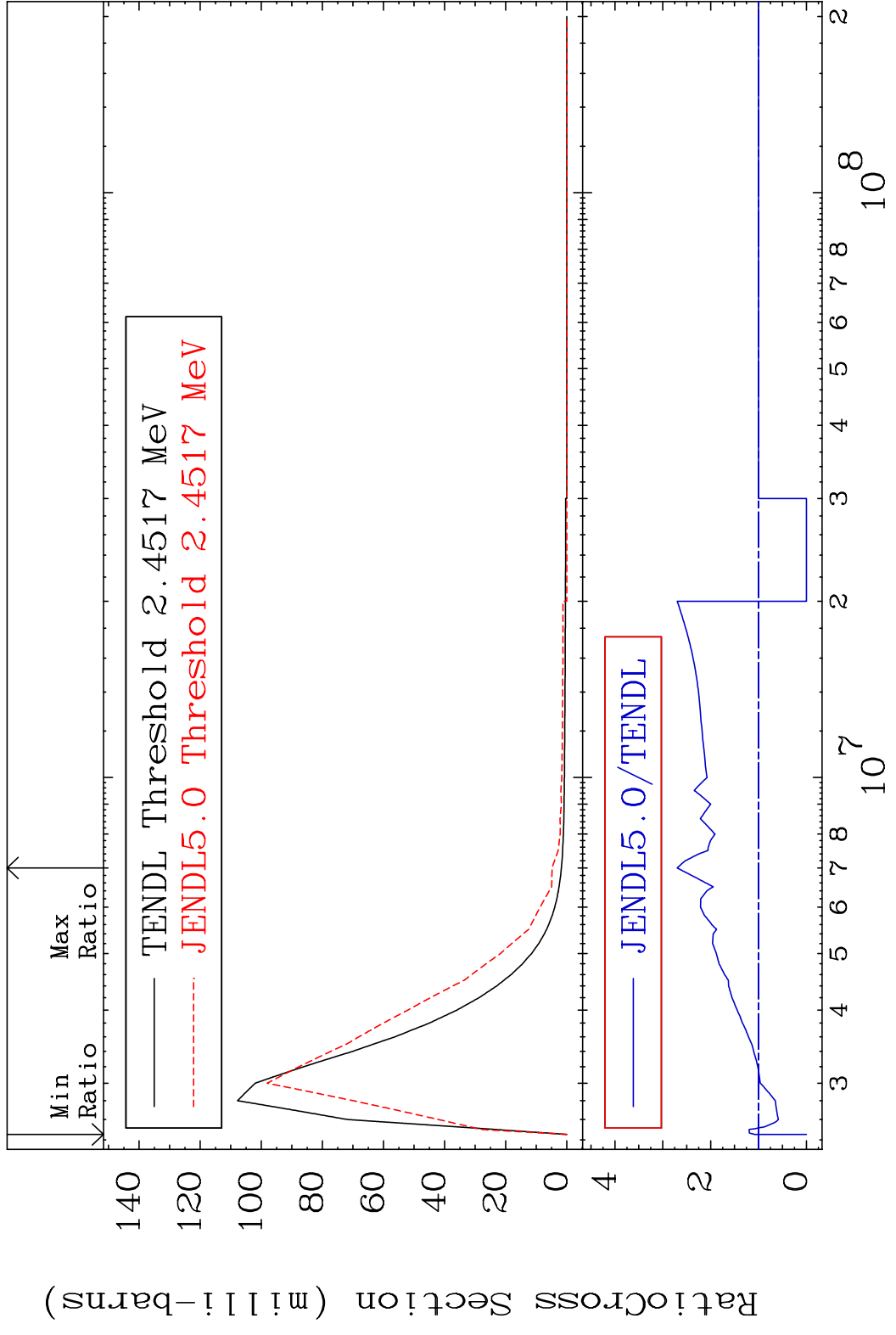
20 Incident Energy (eV) 42-Mo-96

MAT 4237 MT= 62 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 461.9 %

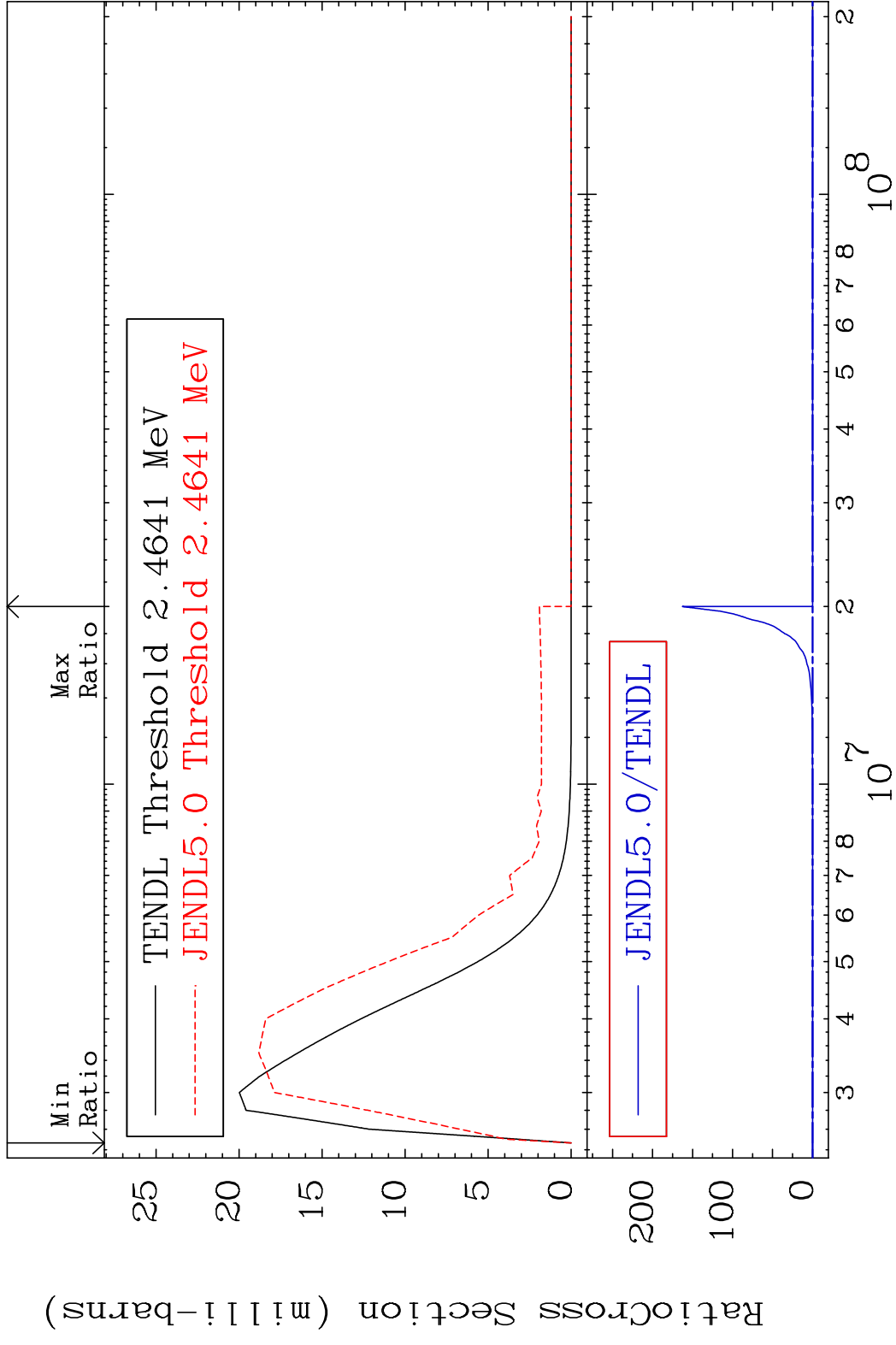


21 Incident Energy (eV) 42-Mo-96

MAT 4237 MT= 63 (n,n') Level 42-Mo-96  
 Cross Section -100.0 To 169.9 %



MAT 4237 MT= 64 (n, n') Level 42-Mo-96  
 Cross Section -100.0 To 9999. %

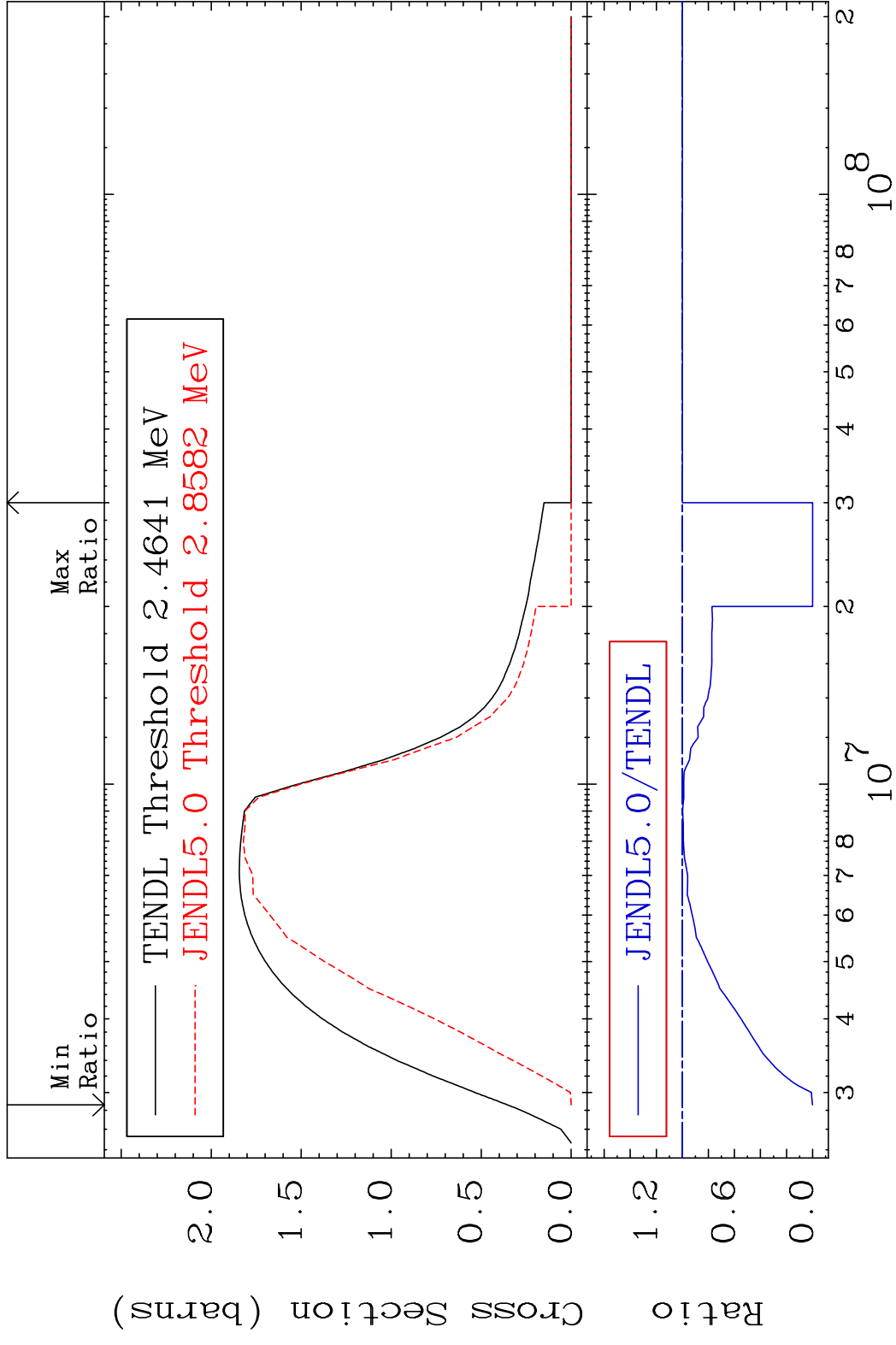


MAT 4237

(n, n') Continuum

42-Mo-96

Cross Section -100.0 To 0.000 %



24

Incident Energy (eV)

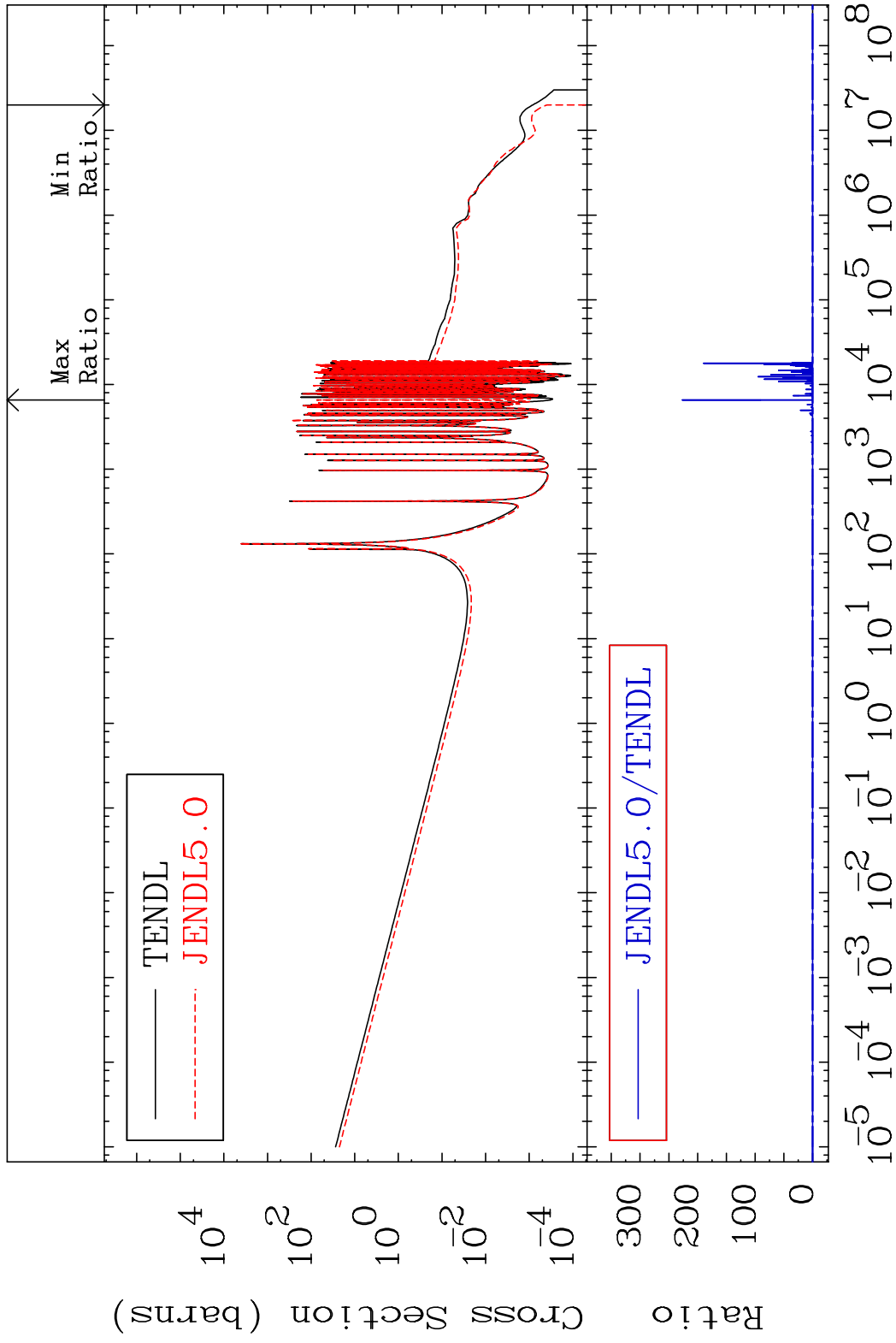
42-Mo-96

MAT 4237

(n,  $\gamma$ )

42-Mo-96

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

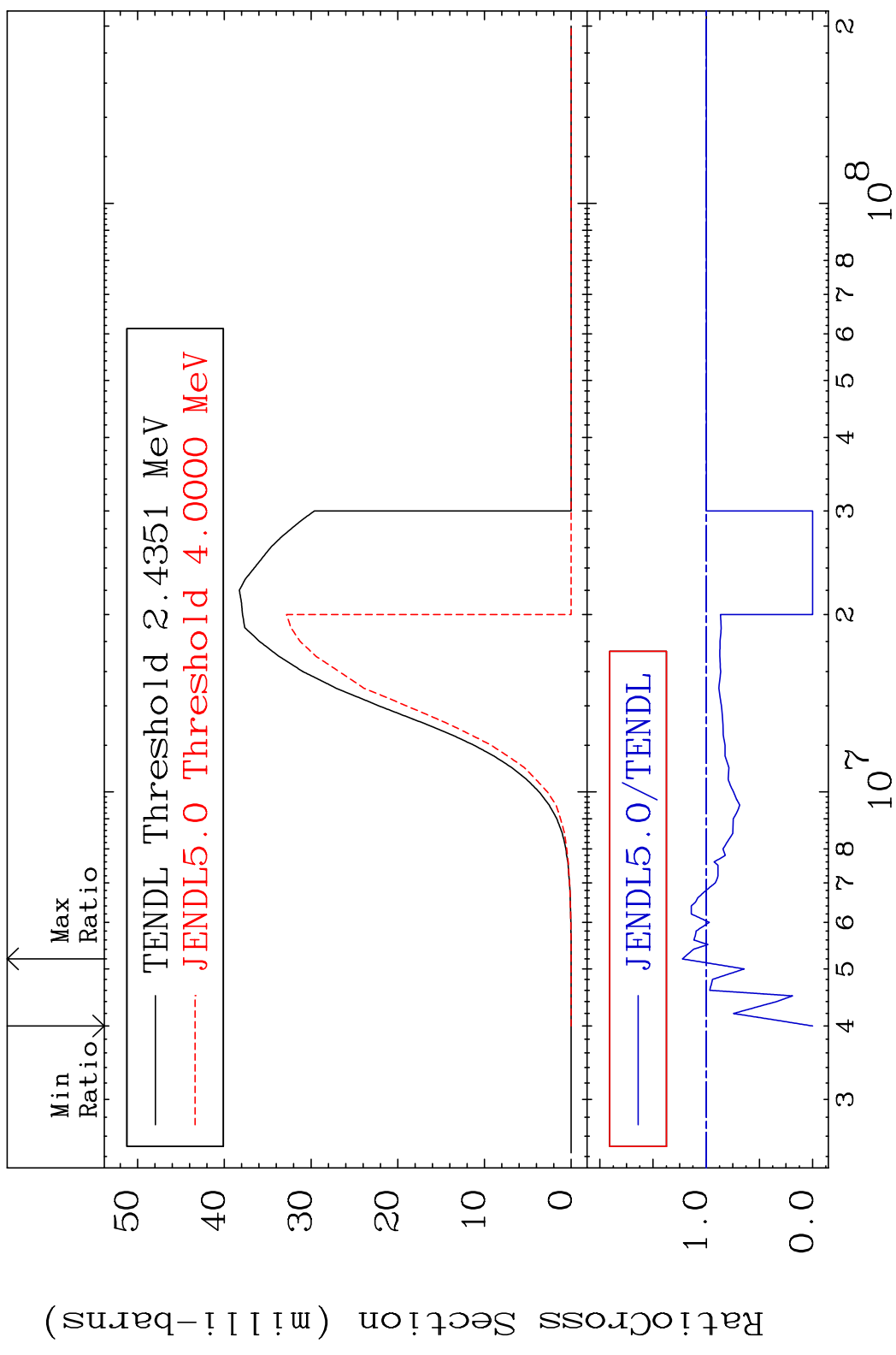
42-Mo-96

MAT 4237

(n,p)

42-Mo-96

Cross Section -100.0 To 22.46 %

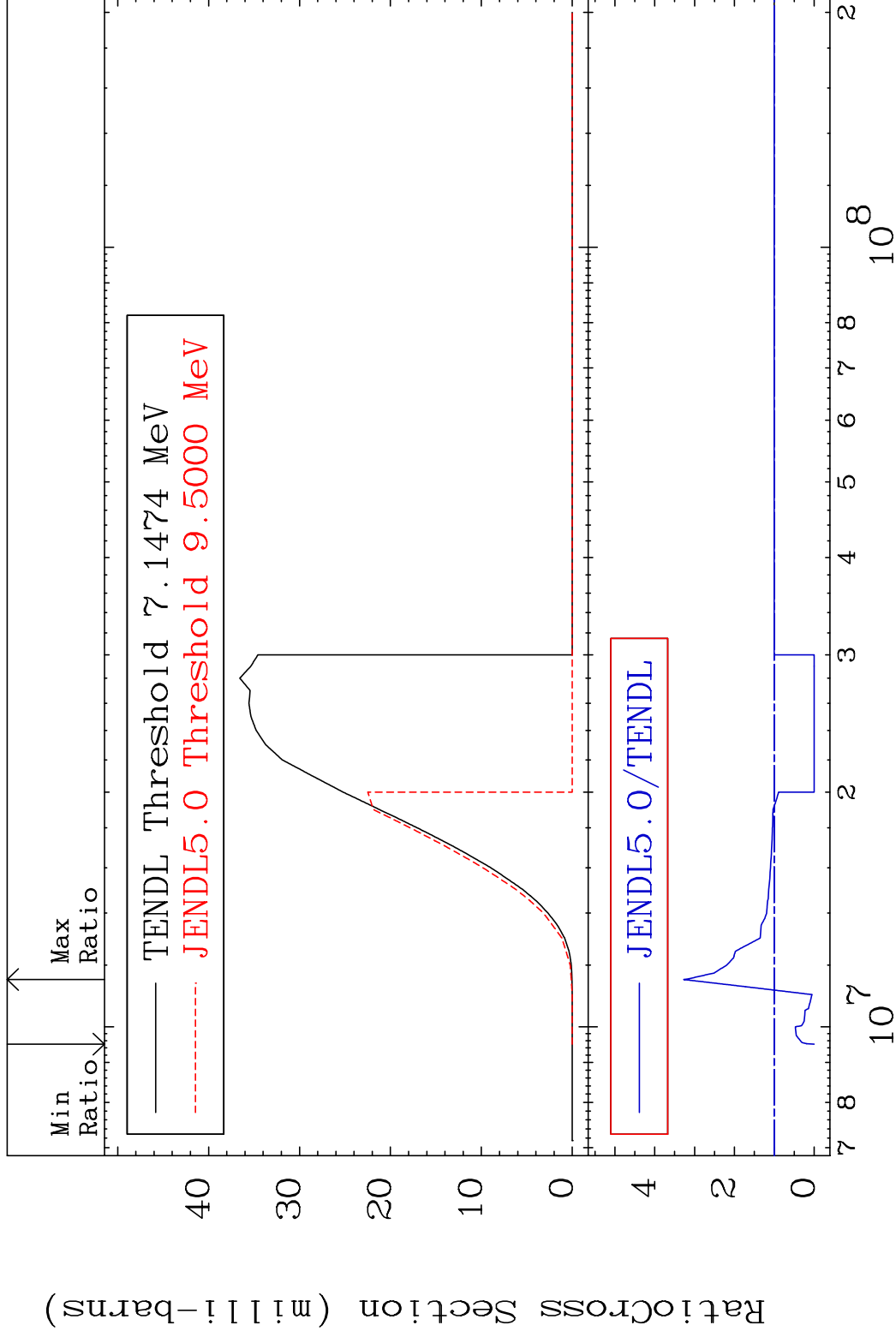


MAT 4237

(n,d)

42-Mo-96

Cross Section -100.0 To 227.4 %



27

Incident Energy (eV)

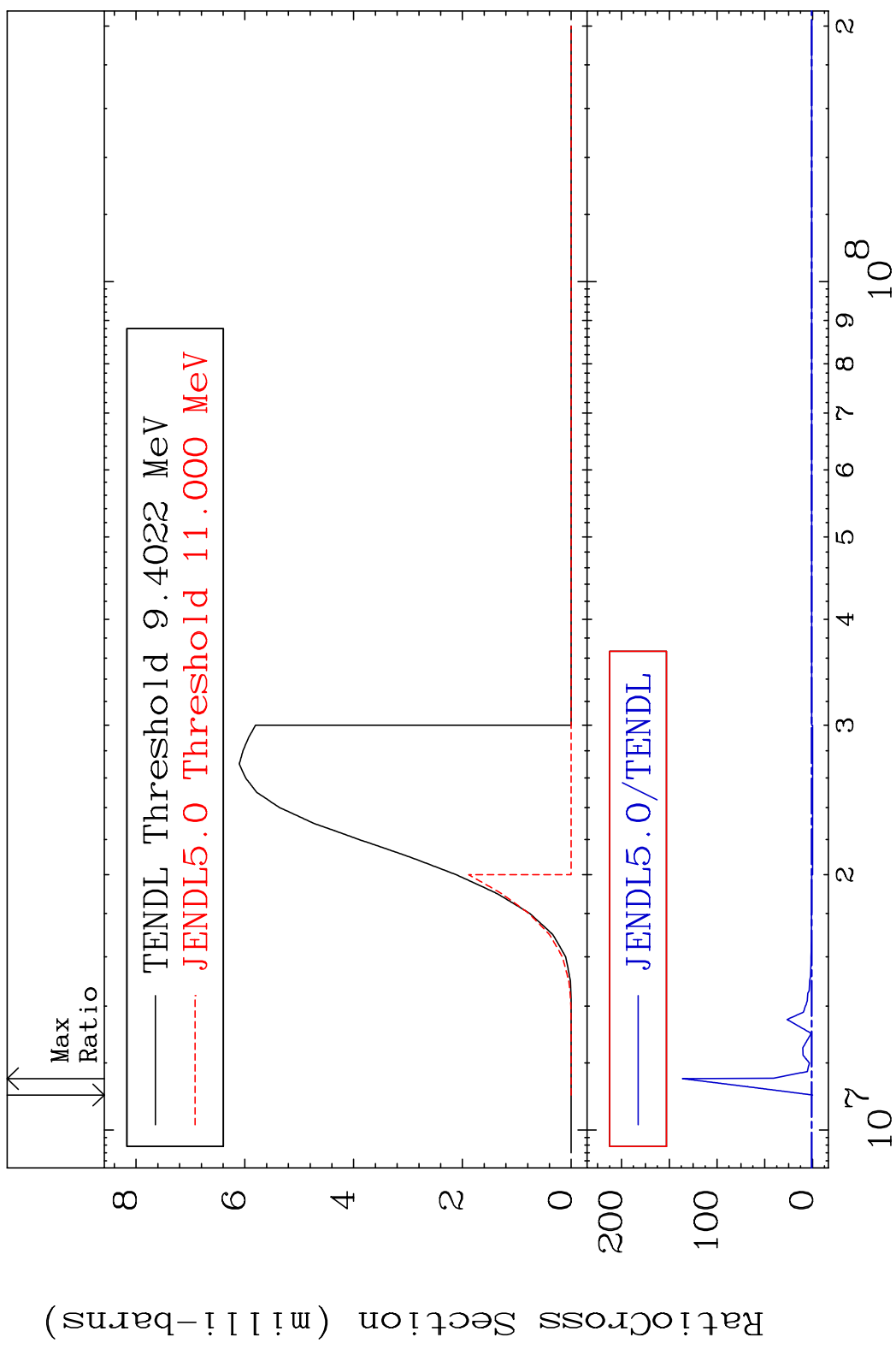
42-Mo-96

MAT 4237

(n, t)

42-Mo-96

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

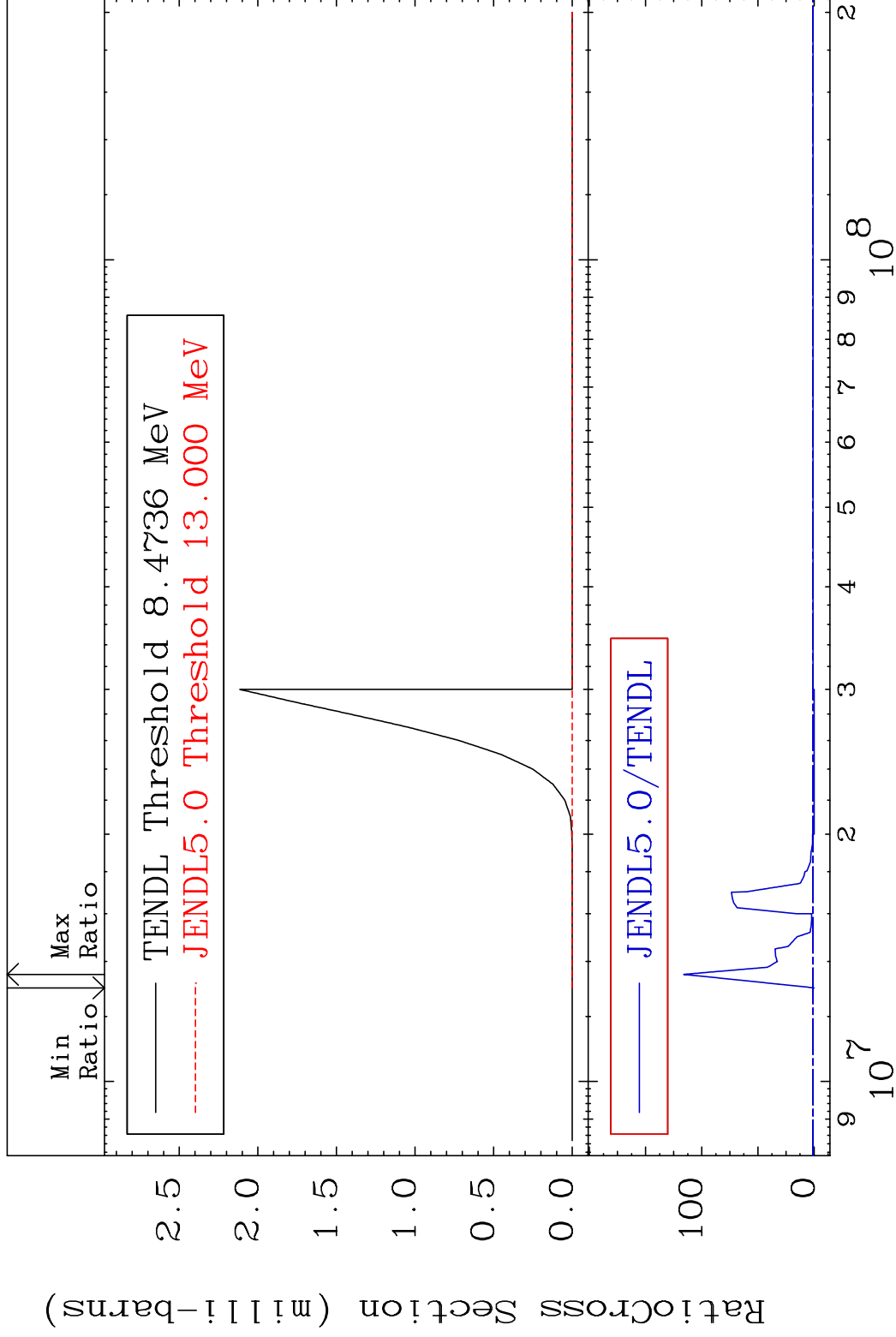
42-Mo-96

MAT 4237

(n, He-3)

42-Mo-96

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

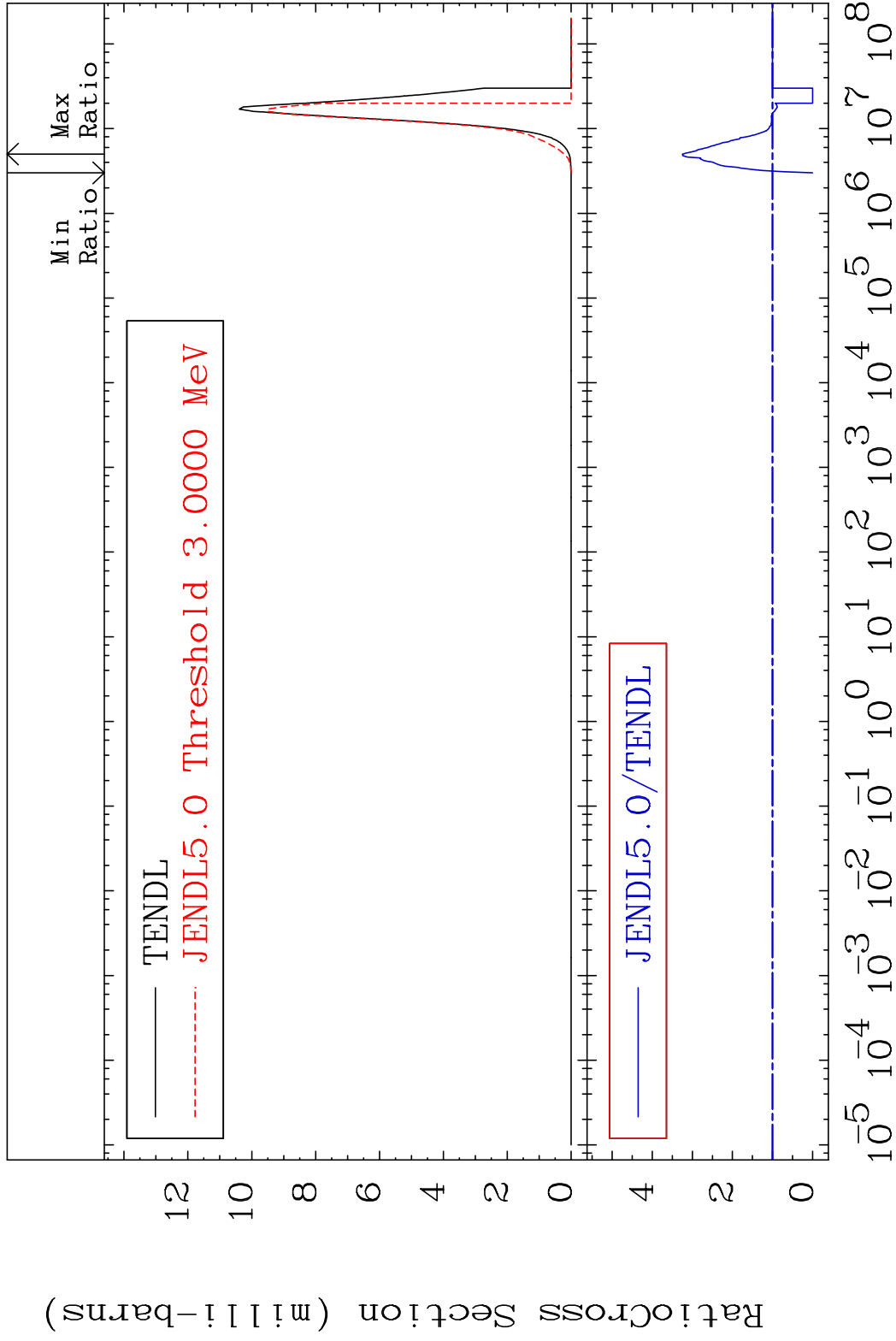
42-Mo-96

MAT 4237

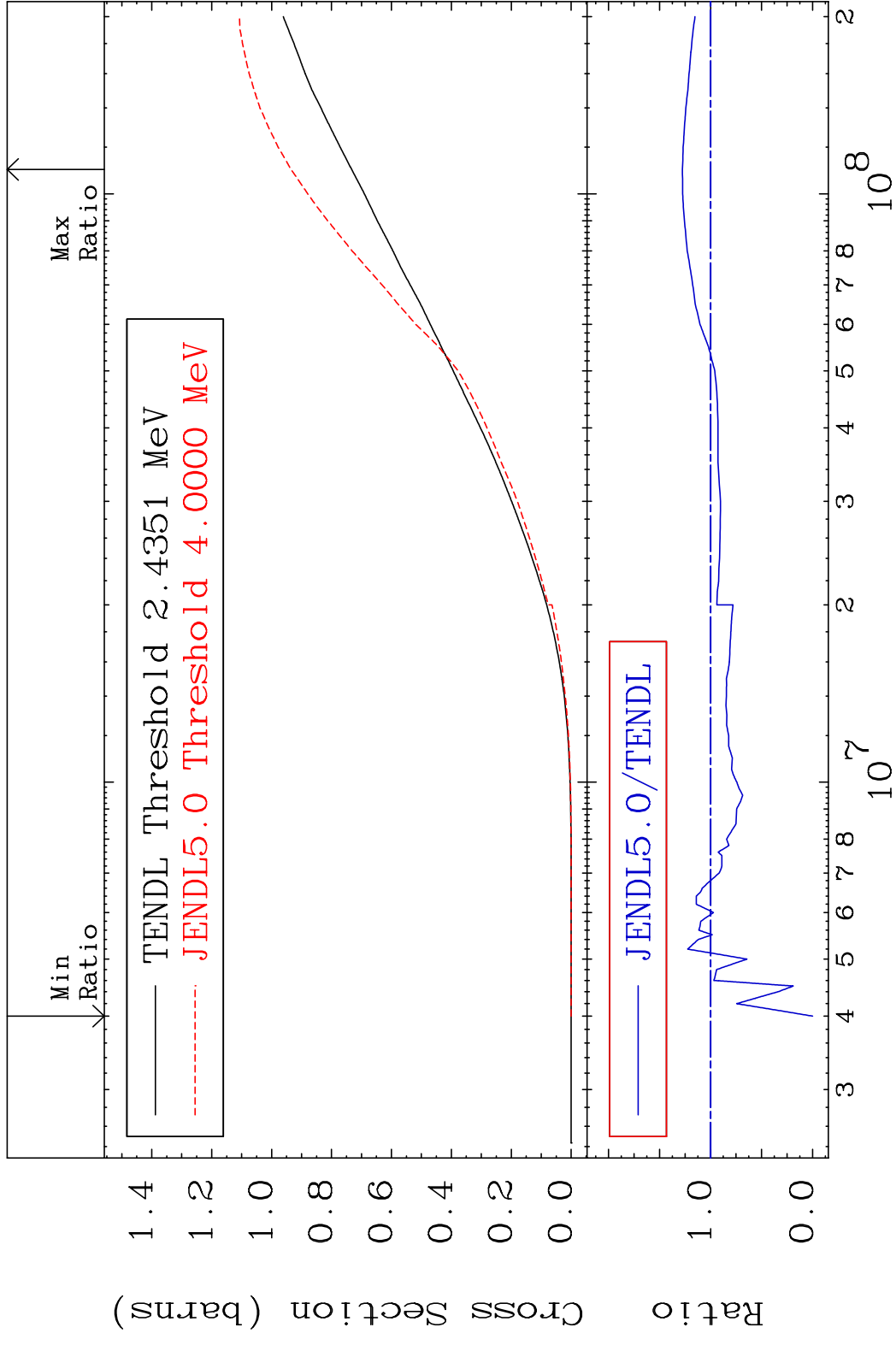
(n,  $\alpha$ )

42-Mo-96

Cross Section -100.0 To 225.0 %



MAT 4237 Hydrogen Production 42-Mo-96  
 Cross Section -100.0 To 27.67 %

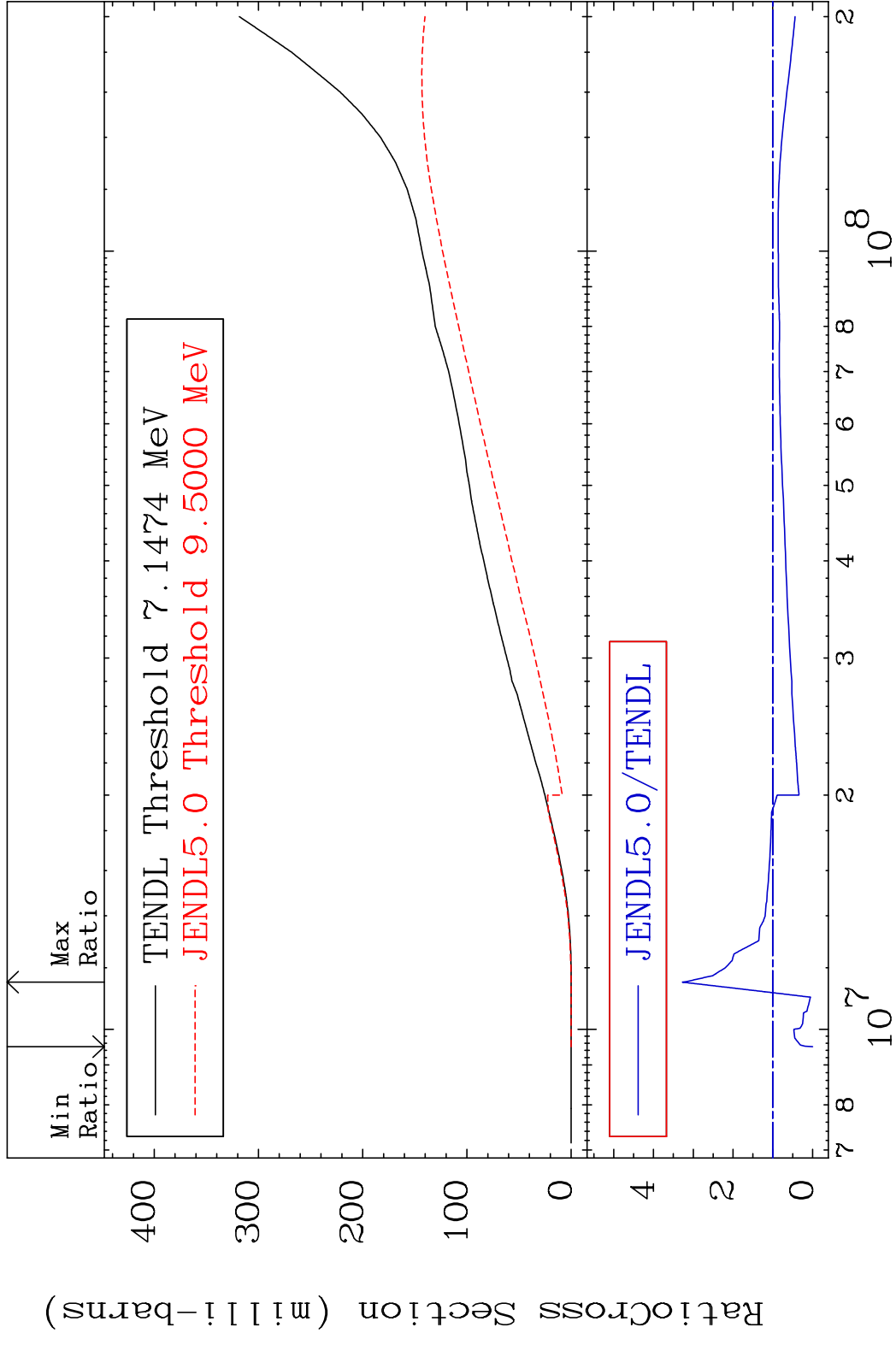


MAT 4237

Deuterium Production

42-Mo-96

Cross Section -100.0 To 227.4 %

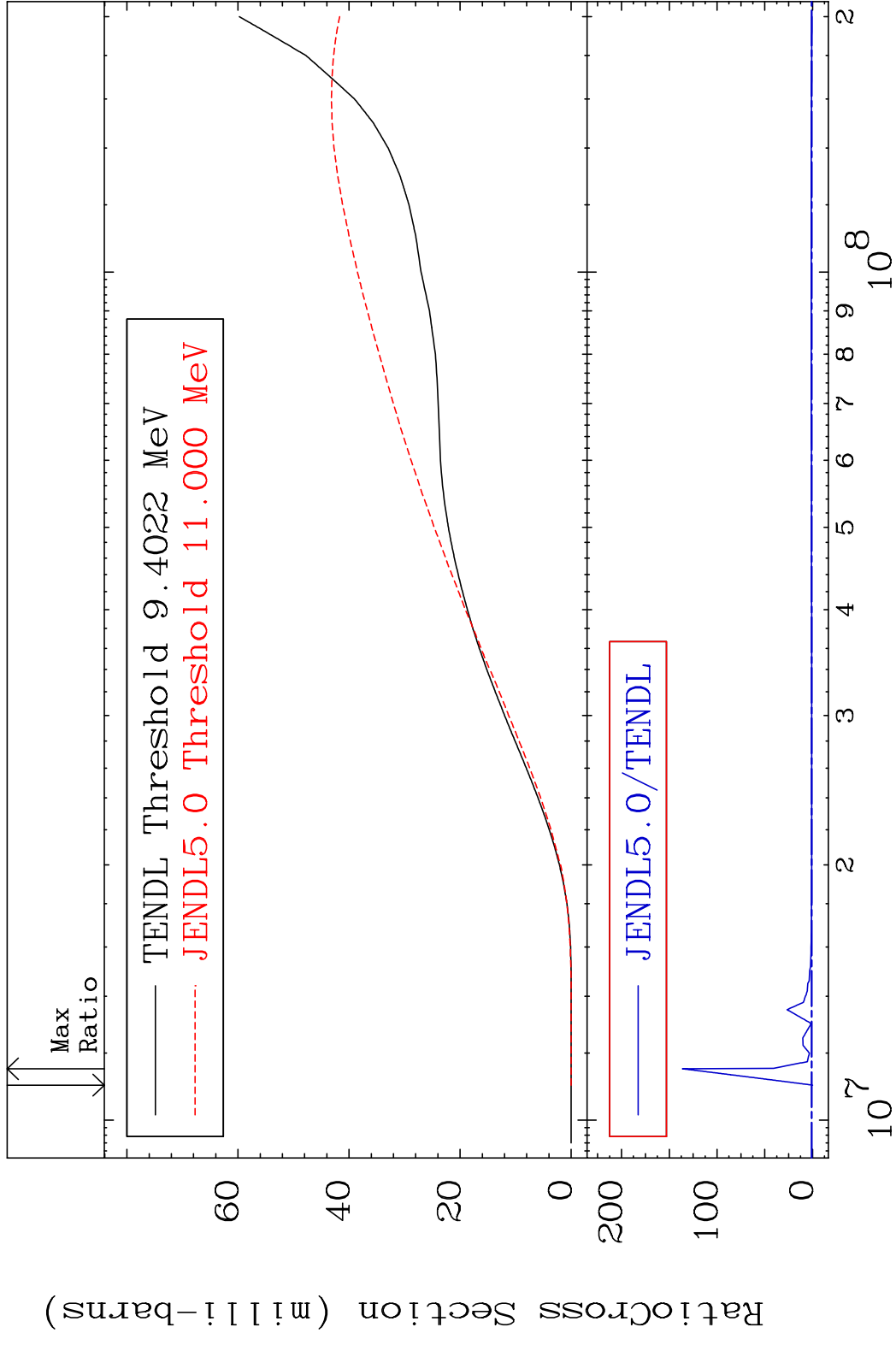


32

Incident Energy (eV)

42-Mo-96

MAT 4237 Tritium Production 42-Mo-96  
 Cross Section -100.0 To 9999. %



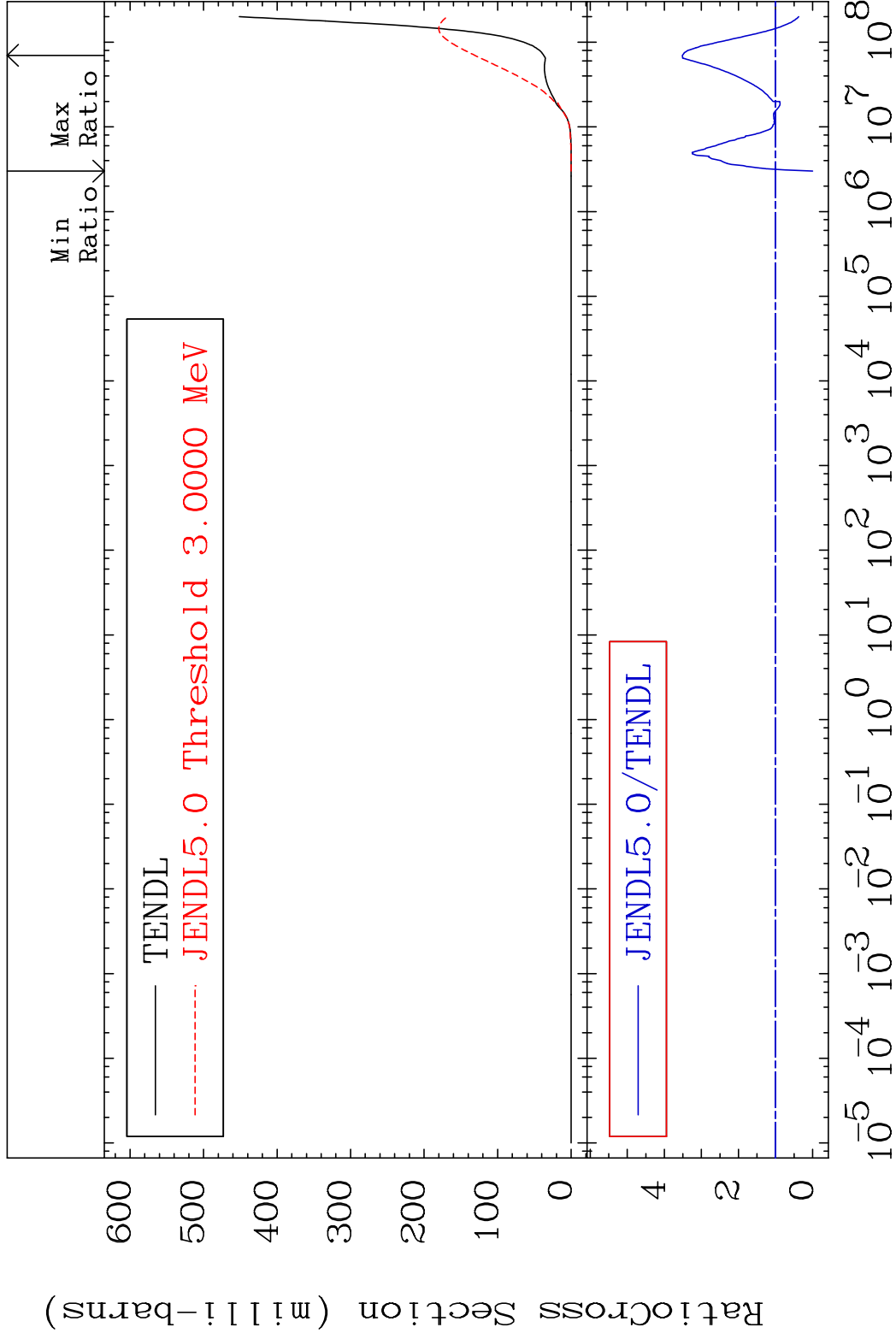


MAT 4237

He-4 Production

42-Mo-96

Cross Section -100.0 To 251.4 %



35

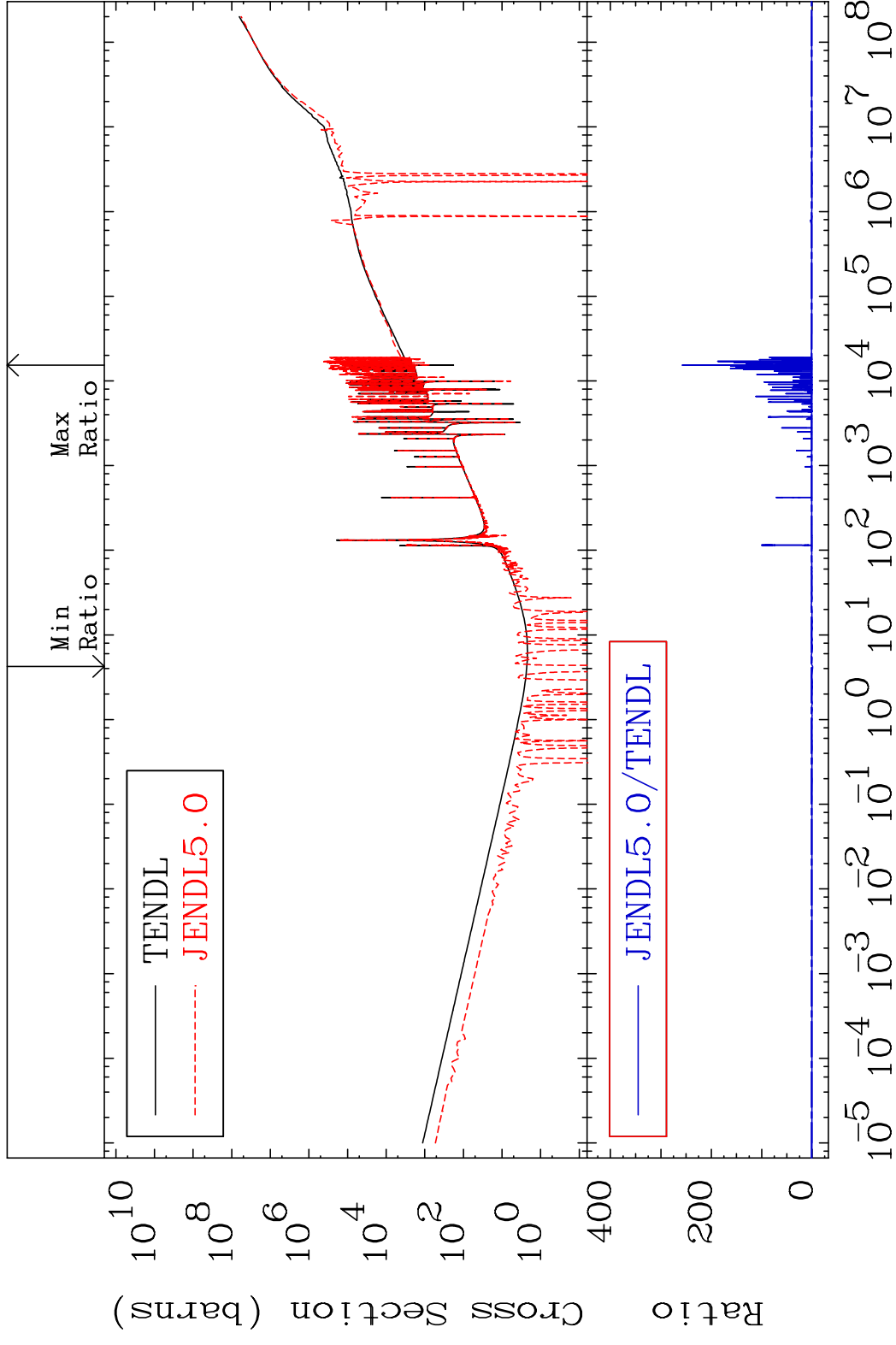
Incident Energy (eV)

42-Mo-96

MAT 4237

Kerma total (eV-barns) 42-Mo-96

Cross Section -179.8 To 9999. %



36

Incident Energy (eV)

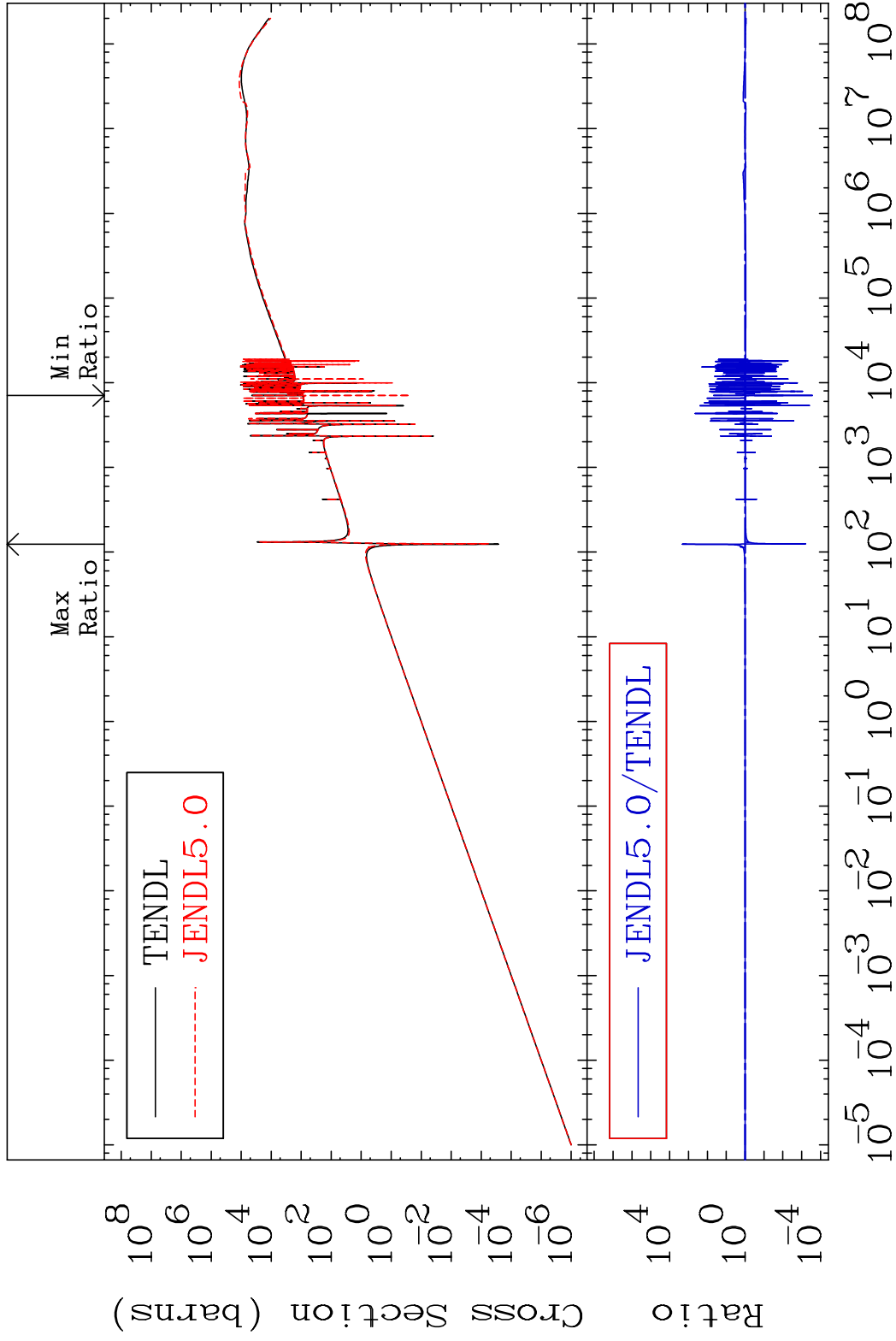
42-Mo-96

MAT 4237

Kerma elastic  
Cross Section

42-Mo-96

-99.97 To 9999. %

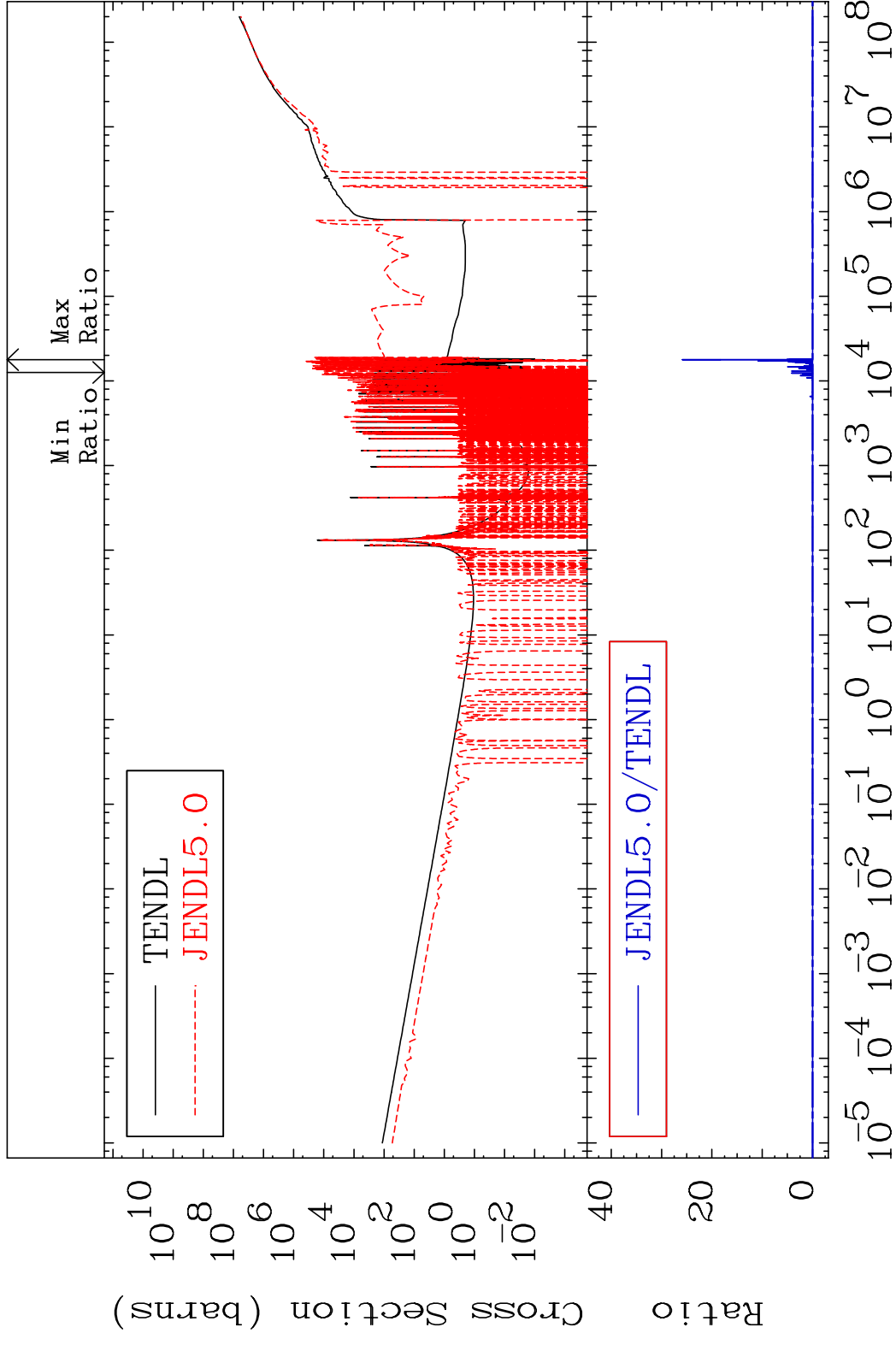


37

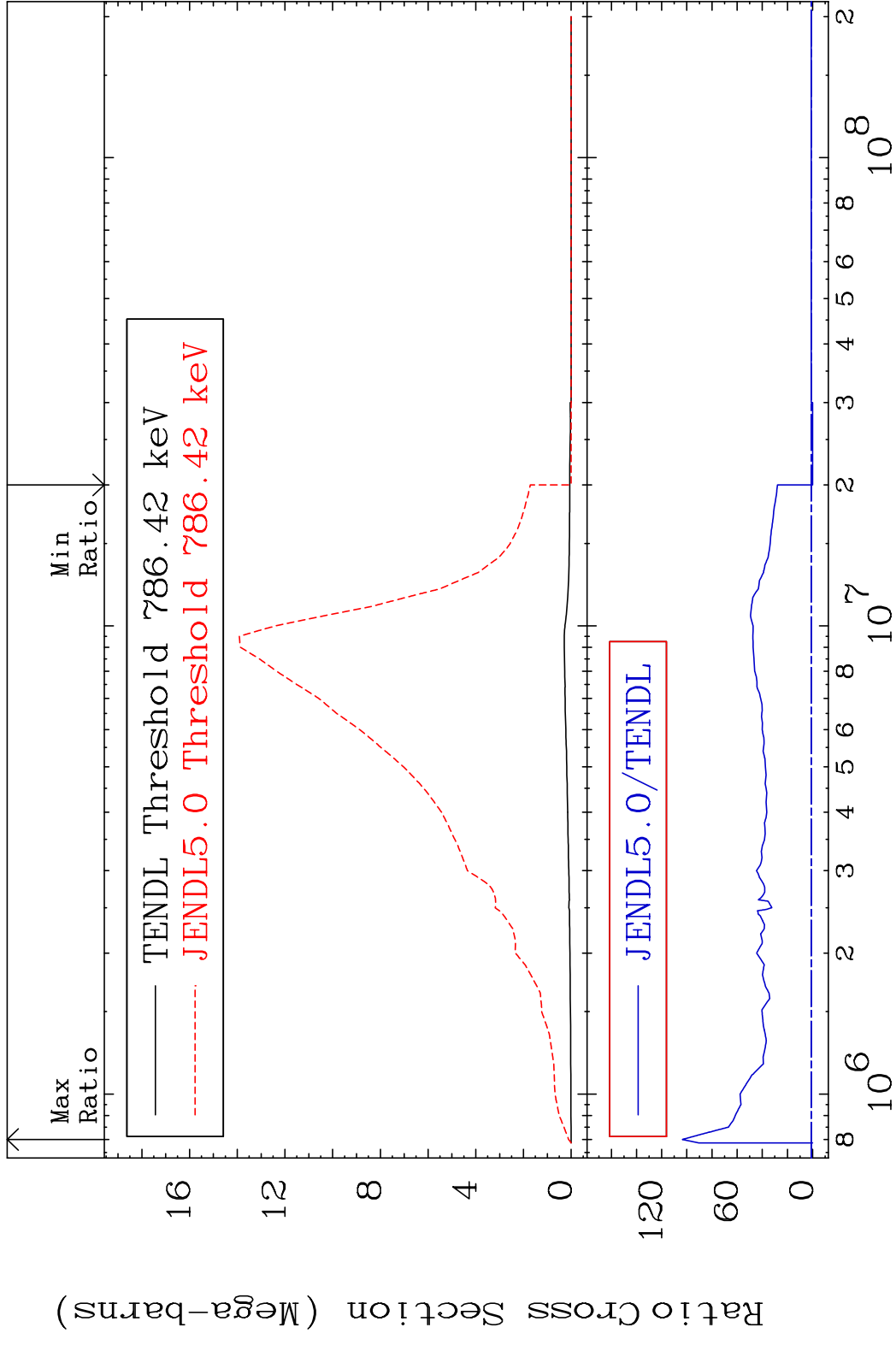
Incident Energy (eV)

42-Mo-96

MAT 4237 Kerma non-elastic (all but mt2) 42-Mo-96  
 Cross Section -9999. To 9999. %

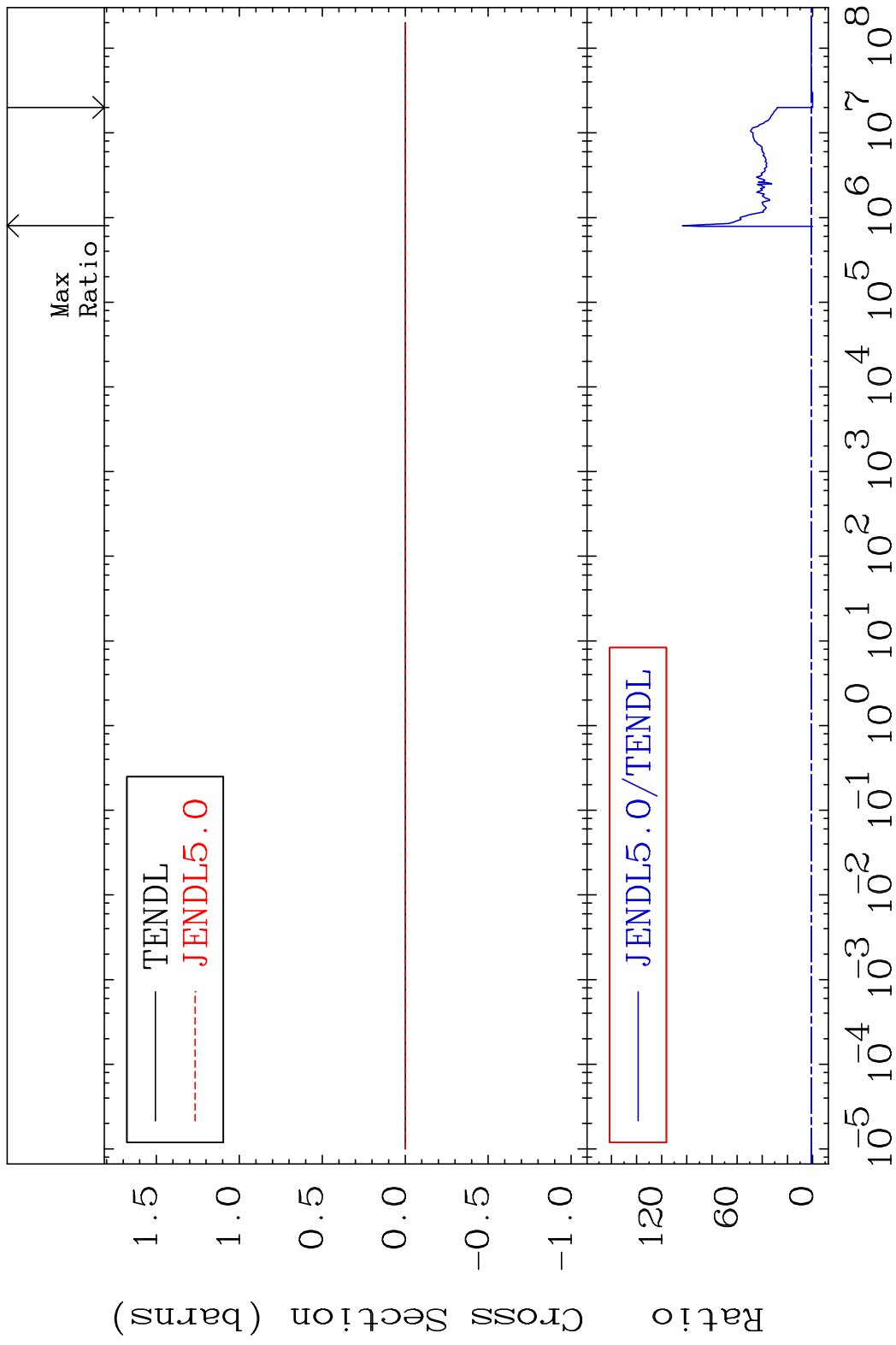


MAT 4237 Kerma inelastic (mt51-91) 42-Mo-96  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 42-Mo-96

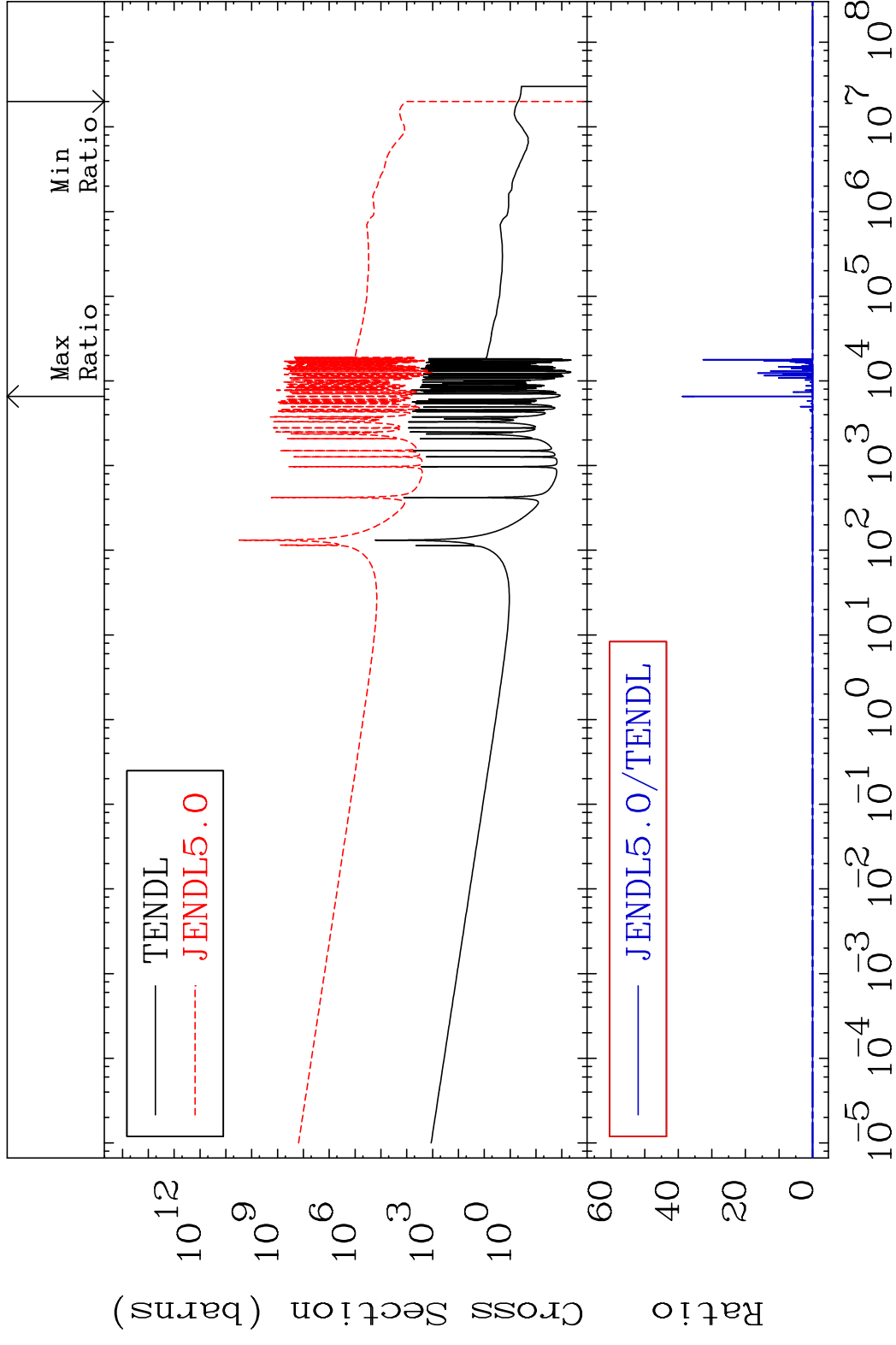
MAT 4237 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-96  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 42-Mo-96

MAT 4237

Kerma capture (mt102) 42-Mo-96  
Cross Section -100.0 To 9999. %

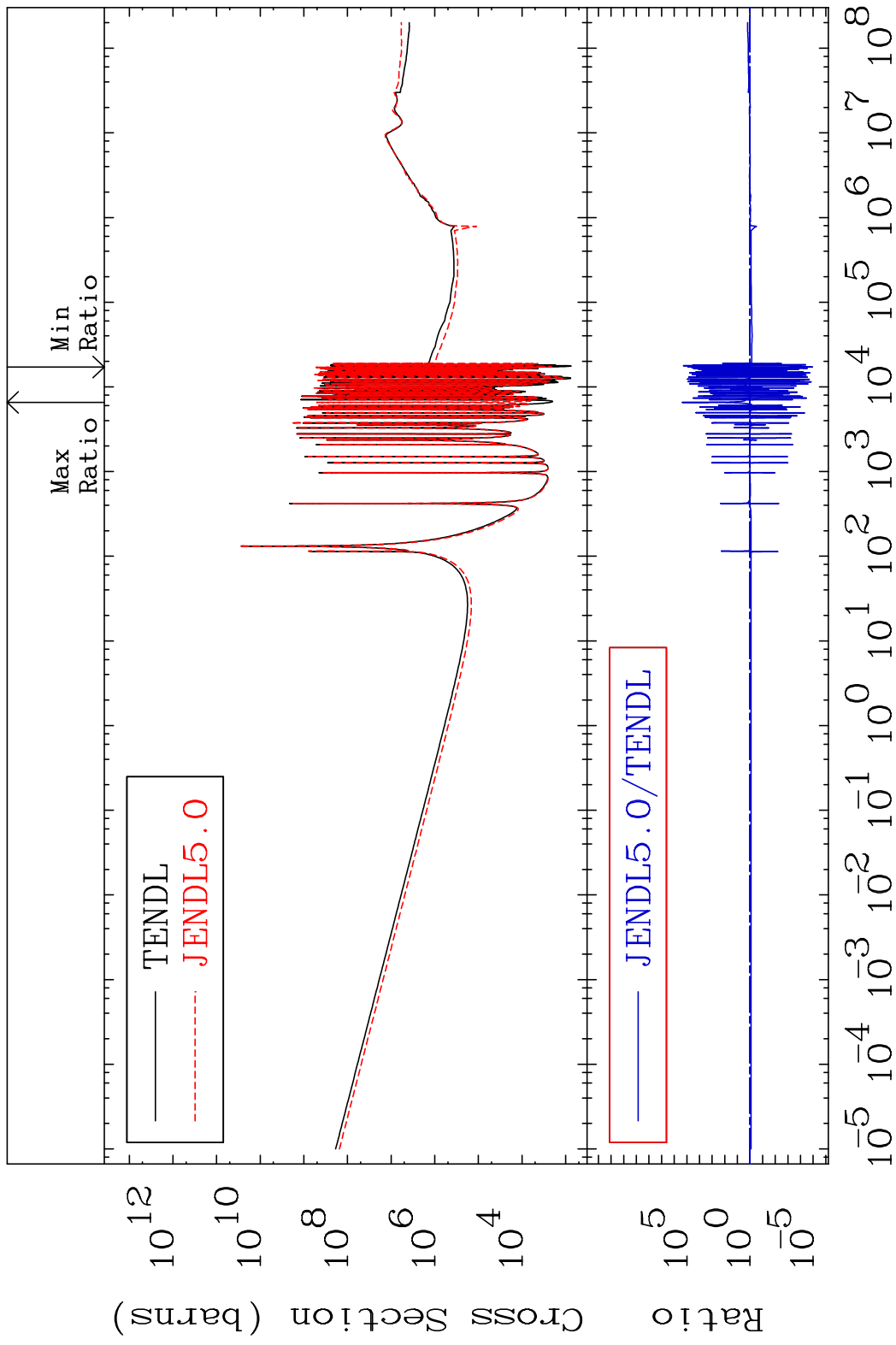


41

Incident Energy (eV)

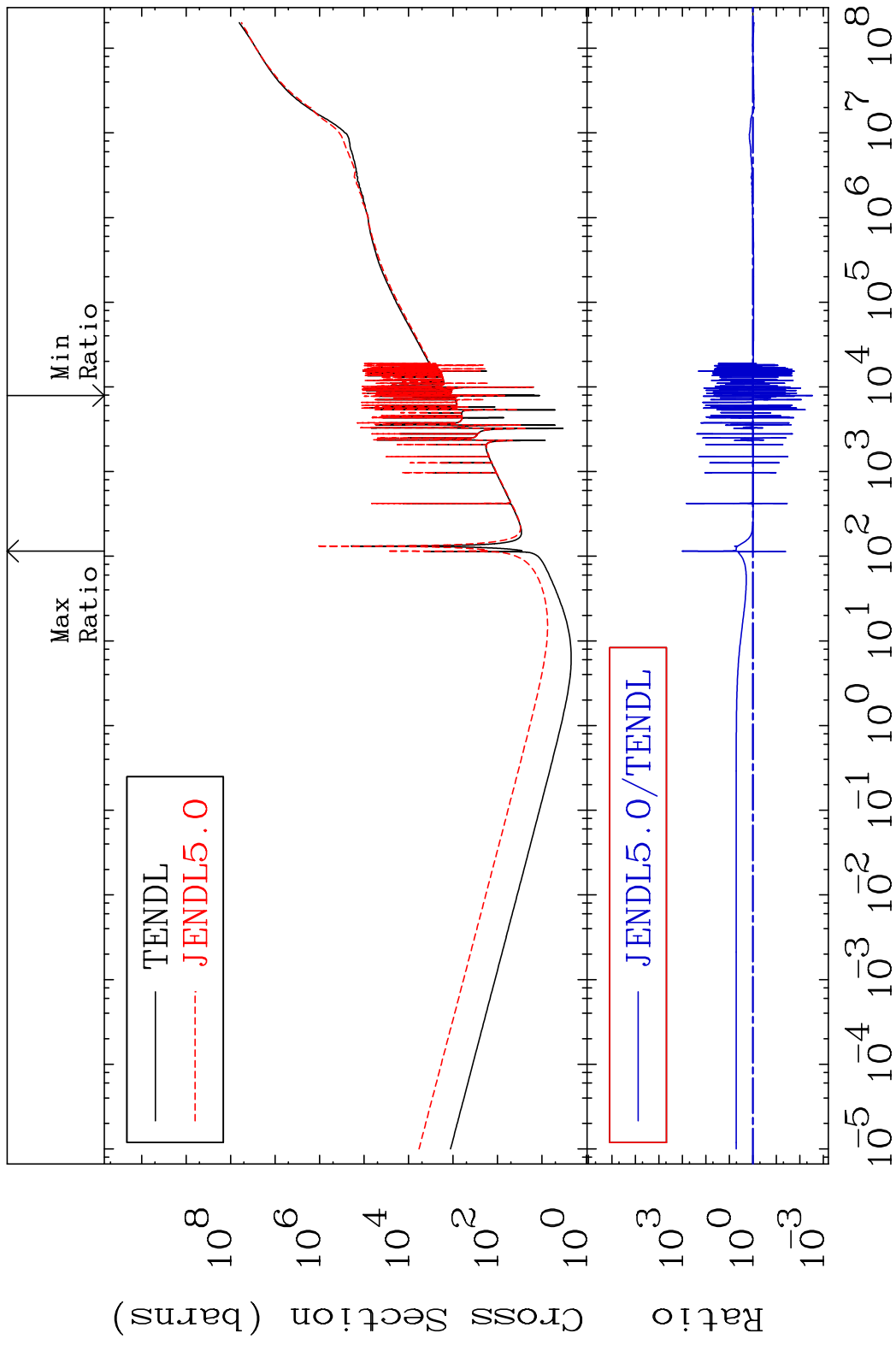
42-Mo-96

MAT 4237 Total photon (eV-barns) 42-Mo-96  
 Cross Section -100.0 To 9999. %

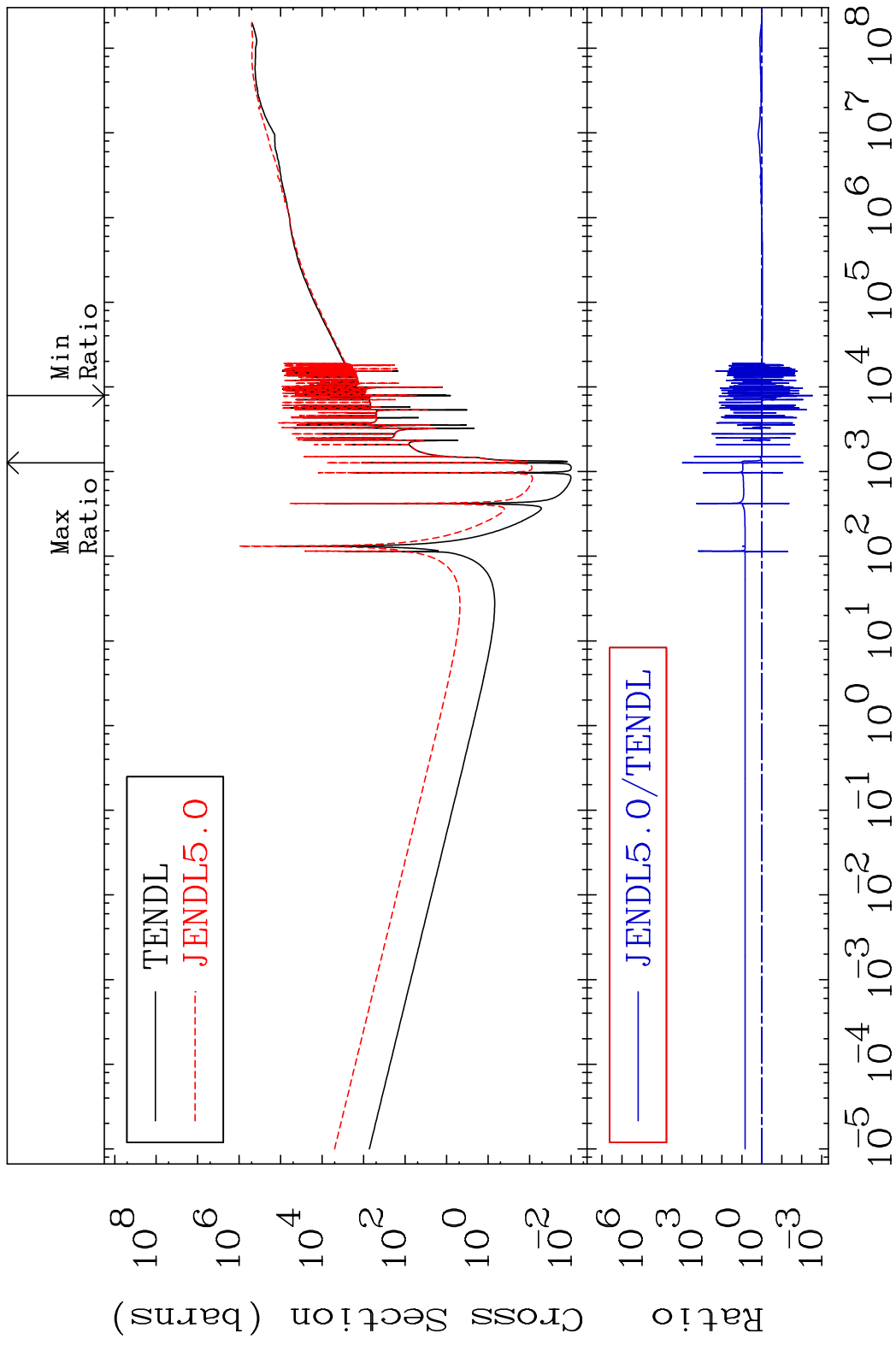


42 Incident Energy (eV) 42-Mo-96

MAT 4237 Total kinematic kerma (high limit) 42-Mo-96  
Cross Section -99.71 To 9999. %



MAT 4237 Dpa total (eV-barns) 42-Mo-96  
 Cross Section -99.71 To 9999. %

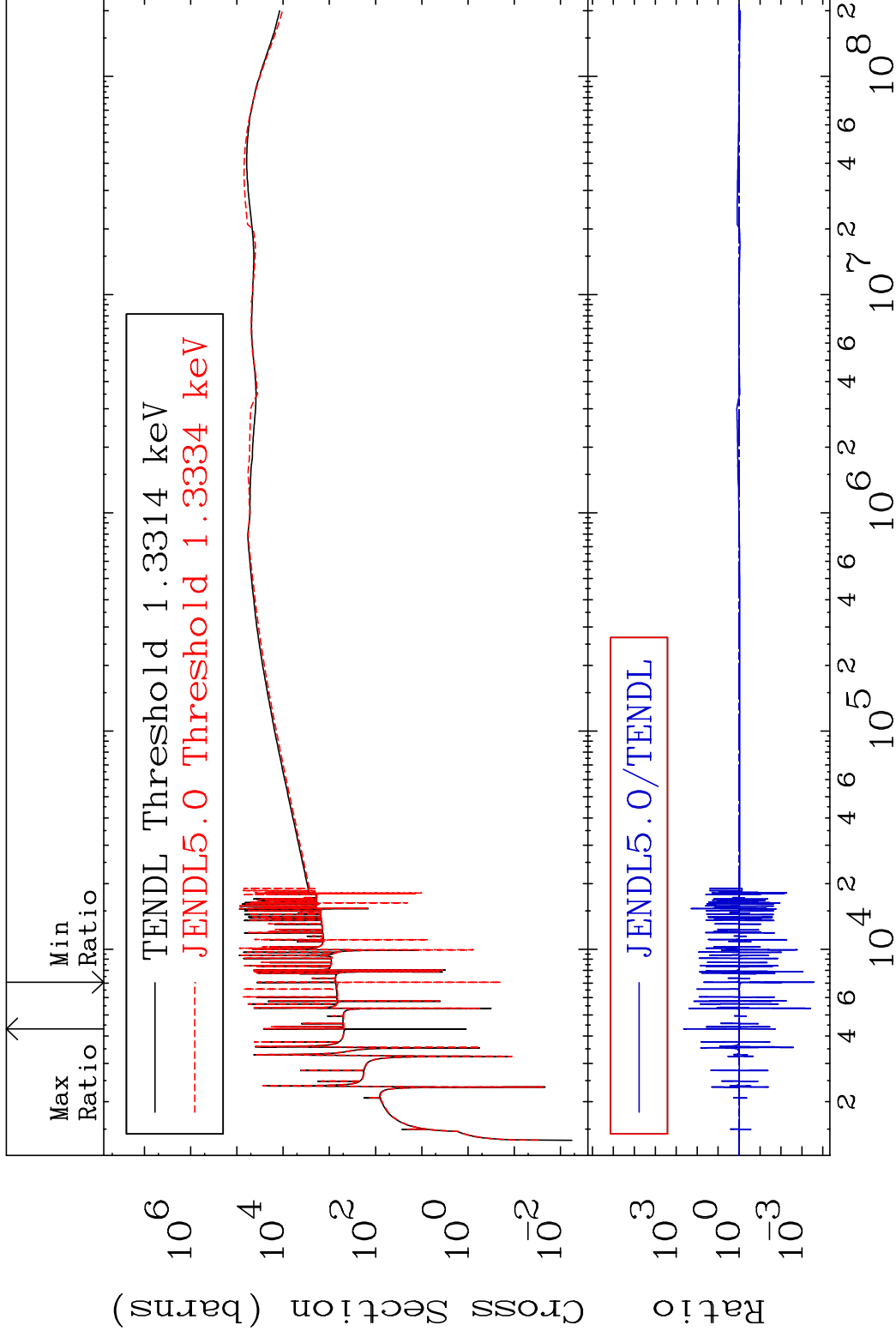


MAT 4237

Dpa elastic (mt2)

42-Mo-96

Cross Section -99.97 To 9999. %



45

Incident Energy (eV)

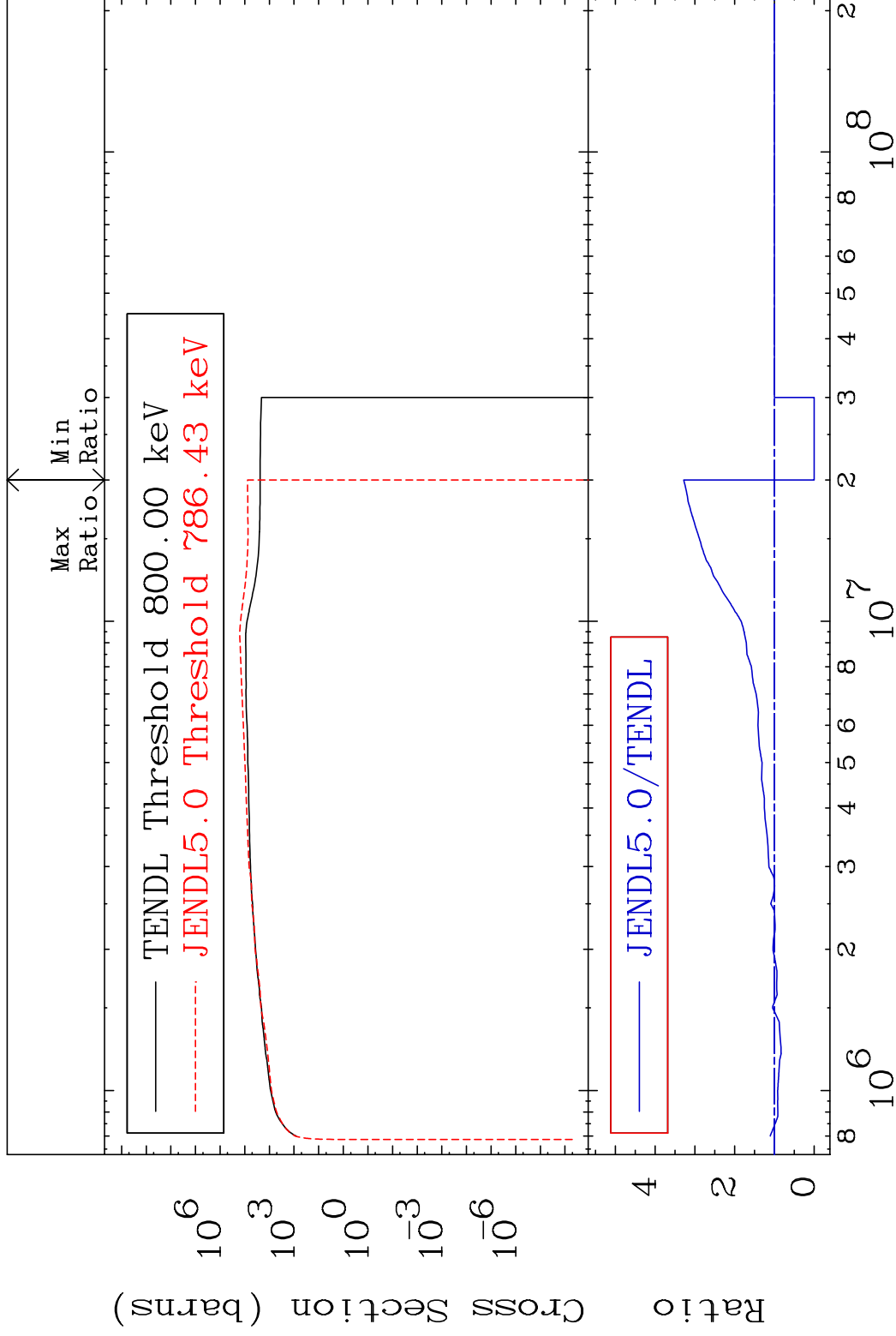
42-Mo-96

MAT 4237

Dpa inelastic (mt51-91)

42-Mo-96

Cross Section -100.0 To 228.4 %

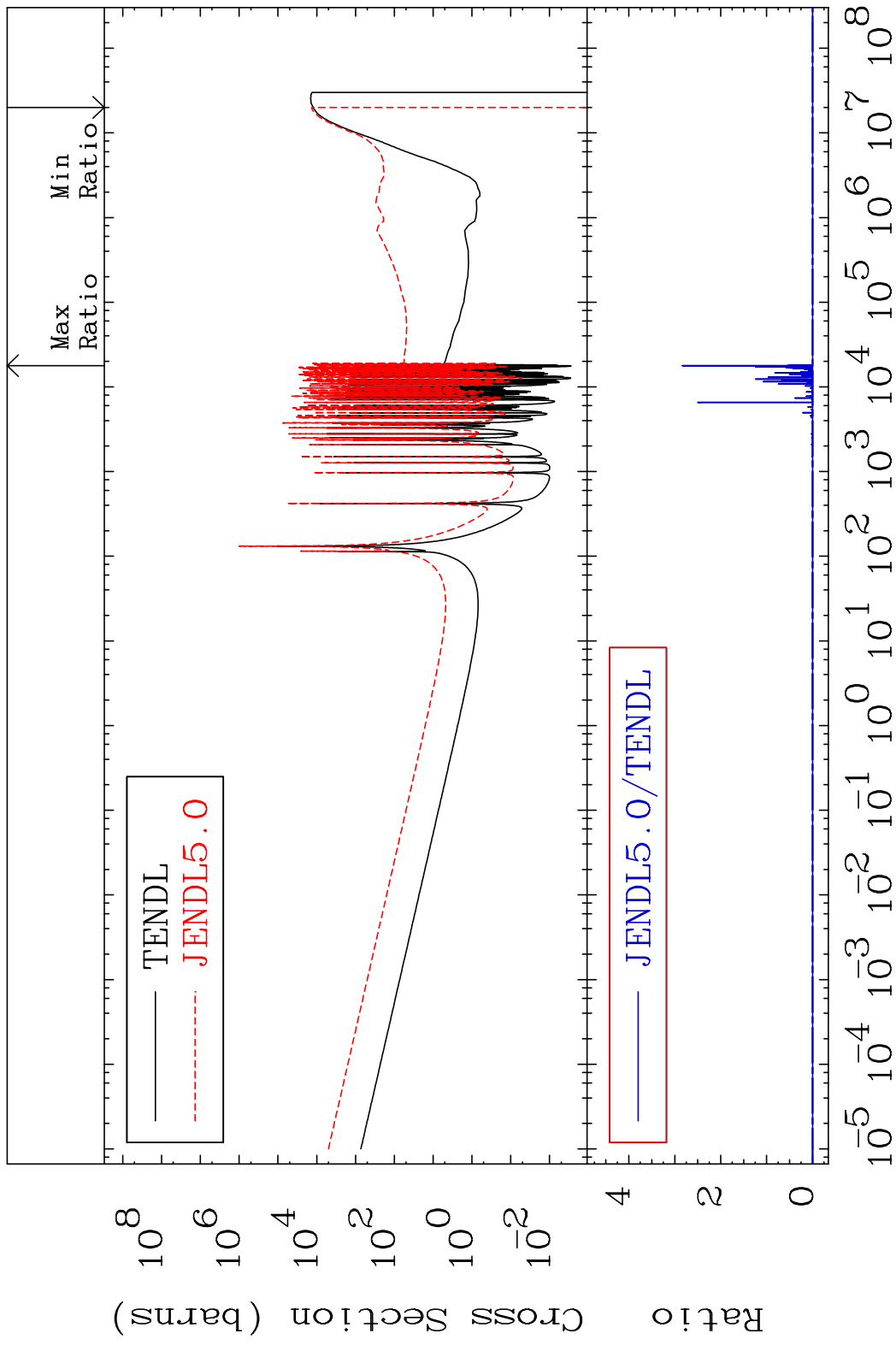


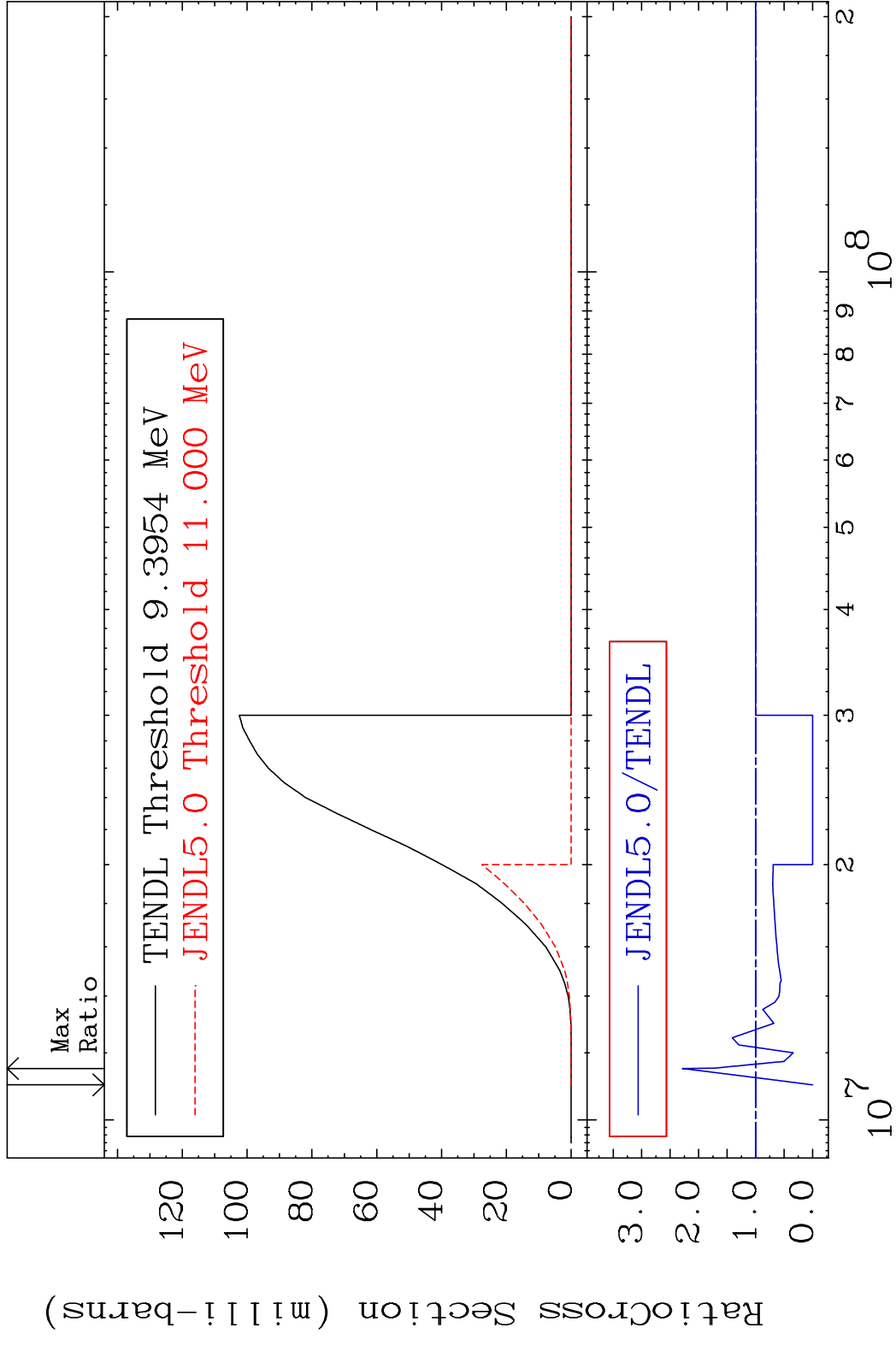
46

Incident Energy (eV)

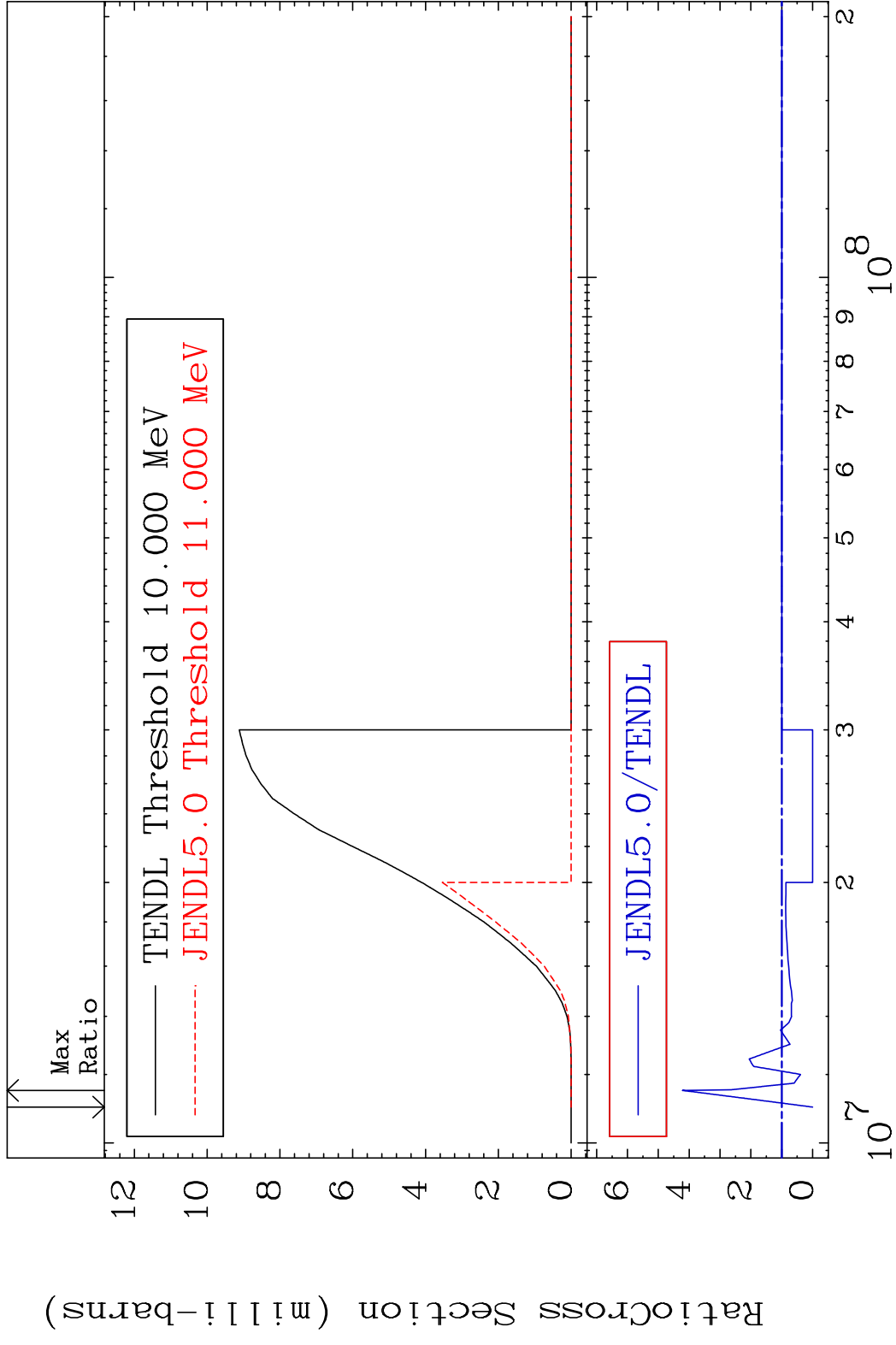
42-Mo-96

MAT 4237 Dpa disappearance (mt102 -120) 42-Mo-96  
 Cross Section -100.0 To 9999. %



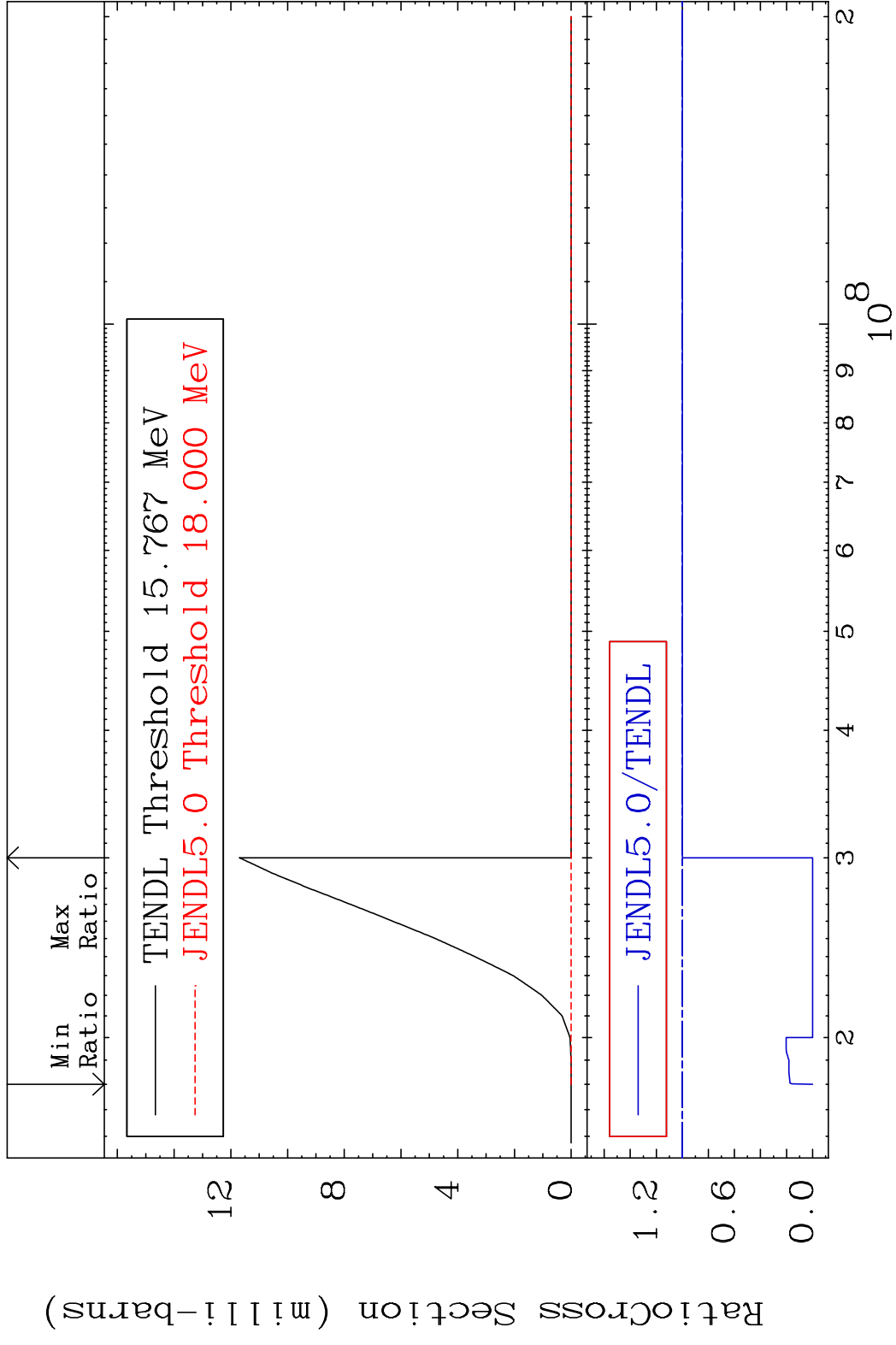


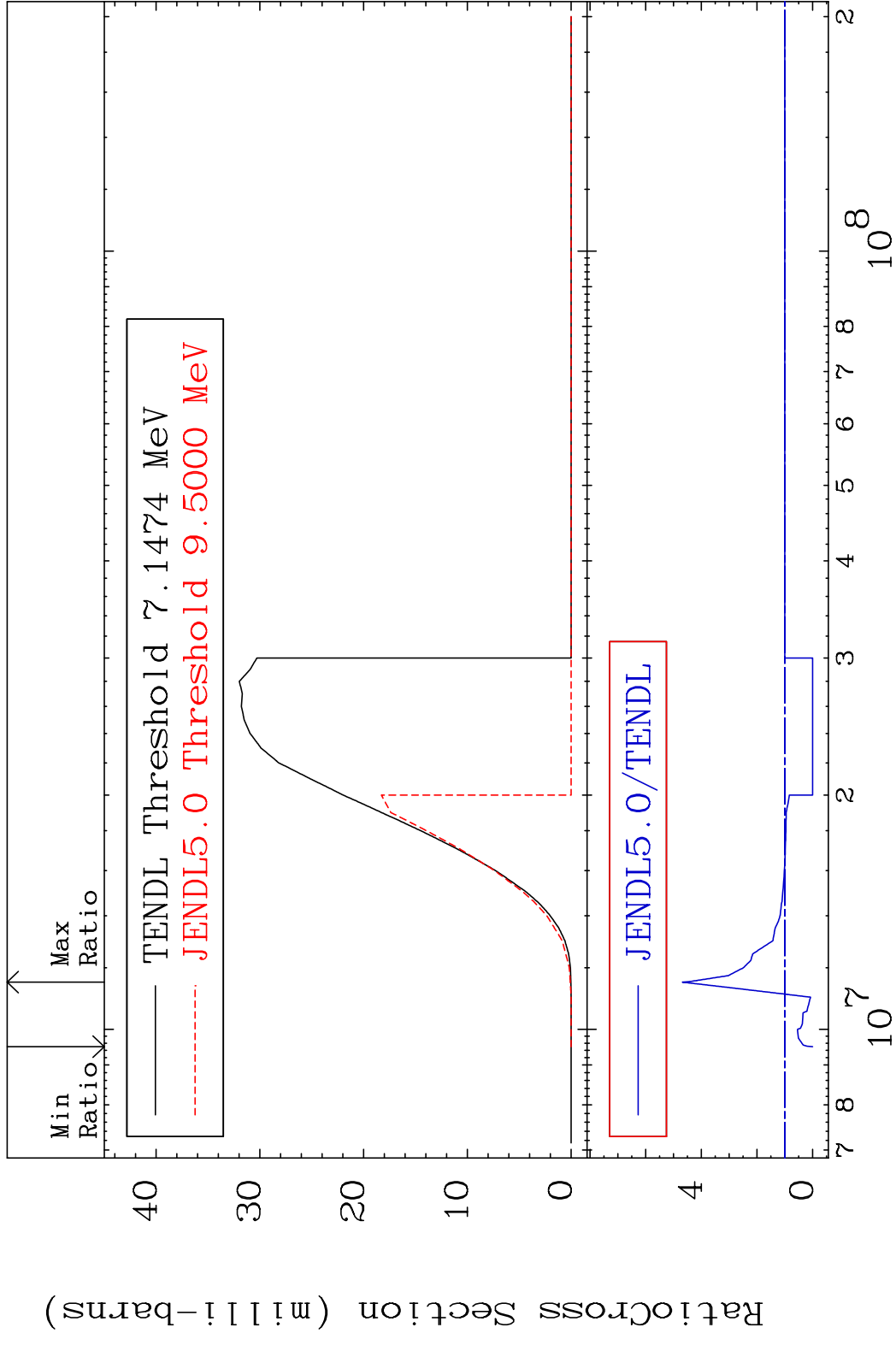
MAT 4237 (n, n') p:41-Nb-95m1 42-Mo-96  
 Radionuclide Production Cross Section 180.0 dth 322.1 %



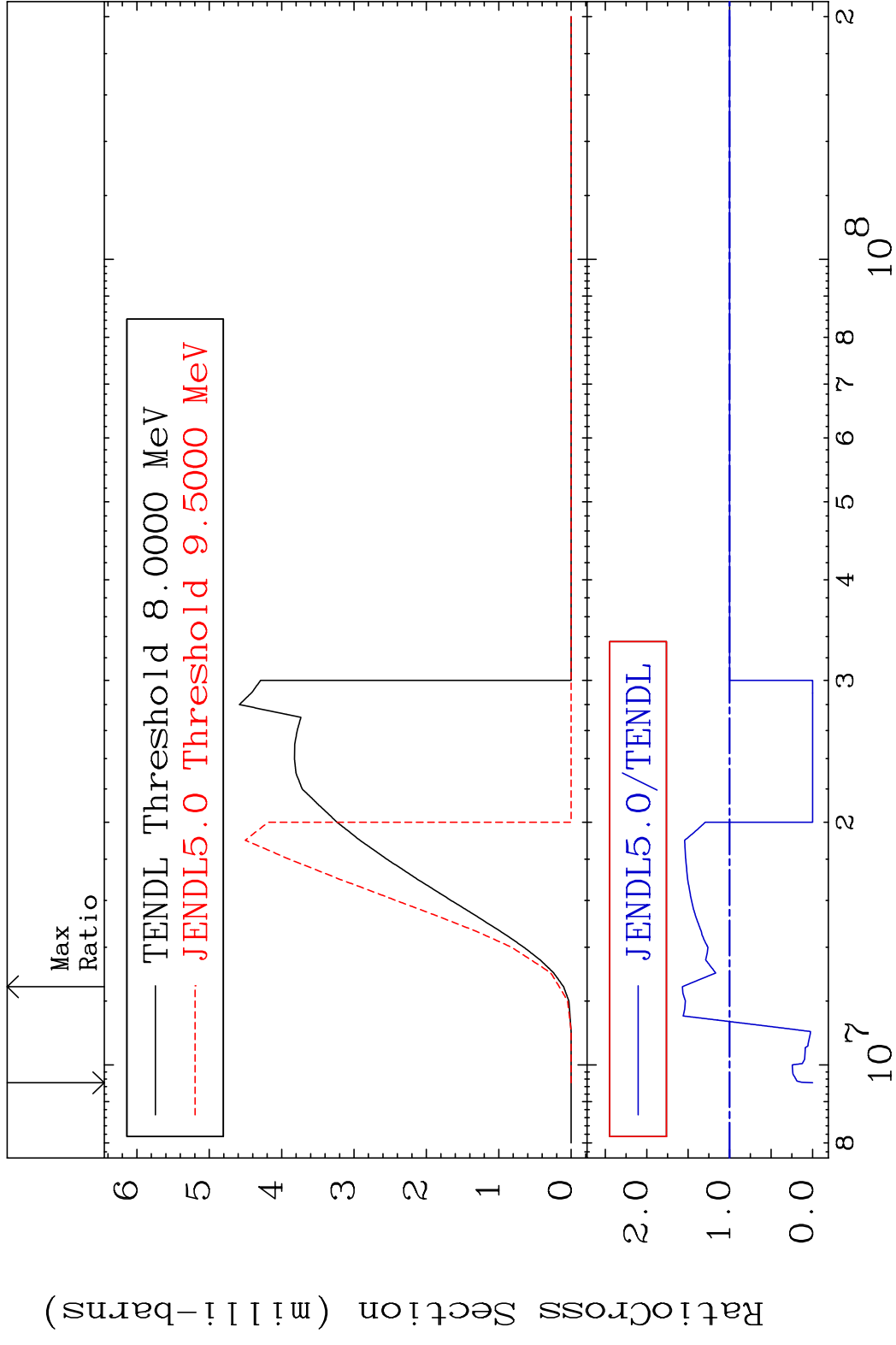
49 42-Mo-96

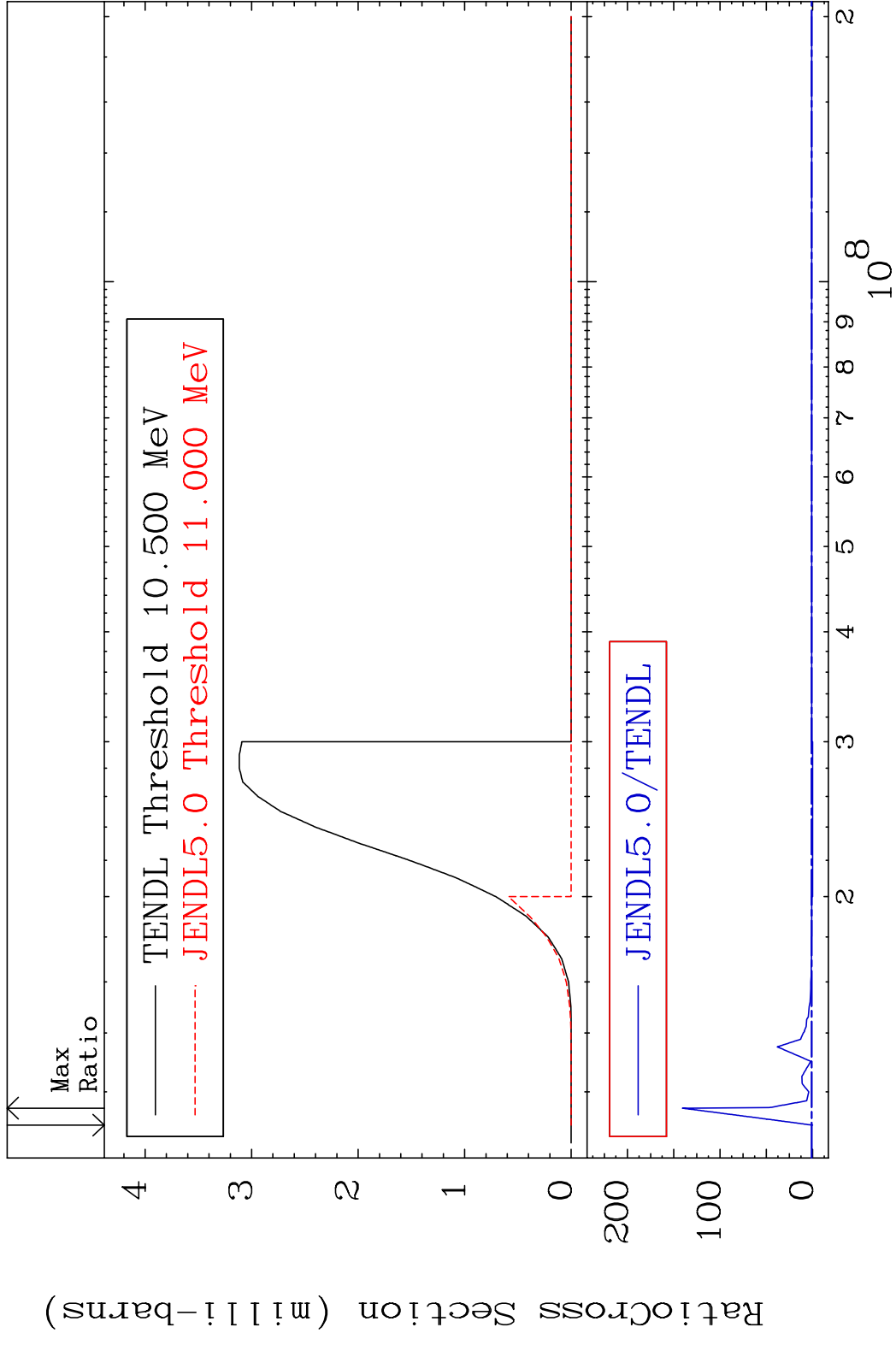






MAT 4237 (n, d): 41-Nb-95m1 42-Mo-96  
 Radionuclide Production Cross Section 57.03 %





MAT 4237 (n, t): 41-Nb-94m1 42-Mo-96  
 Radionuclide Production Cross Section (%)

