

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

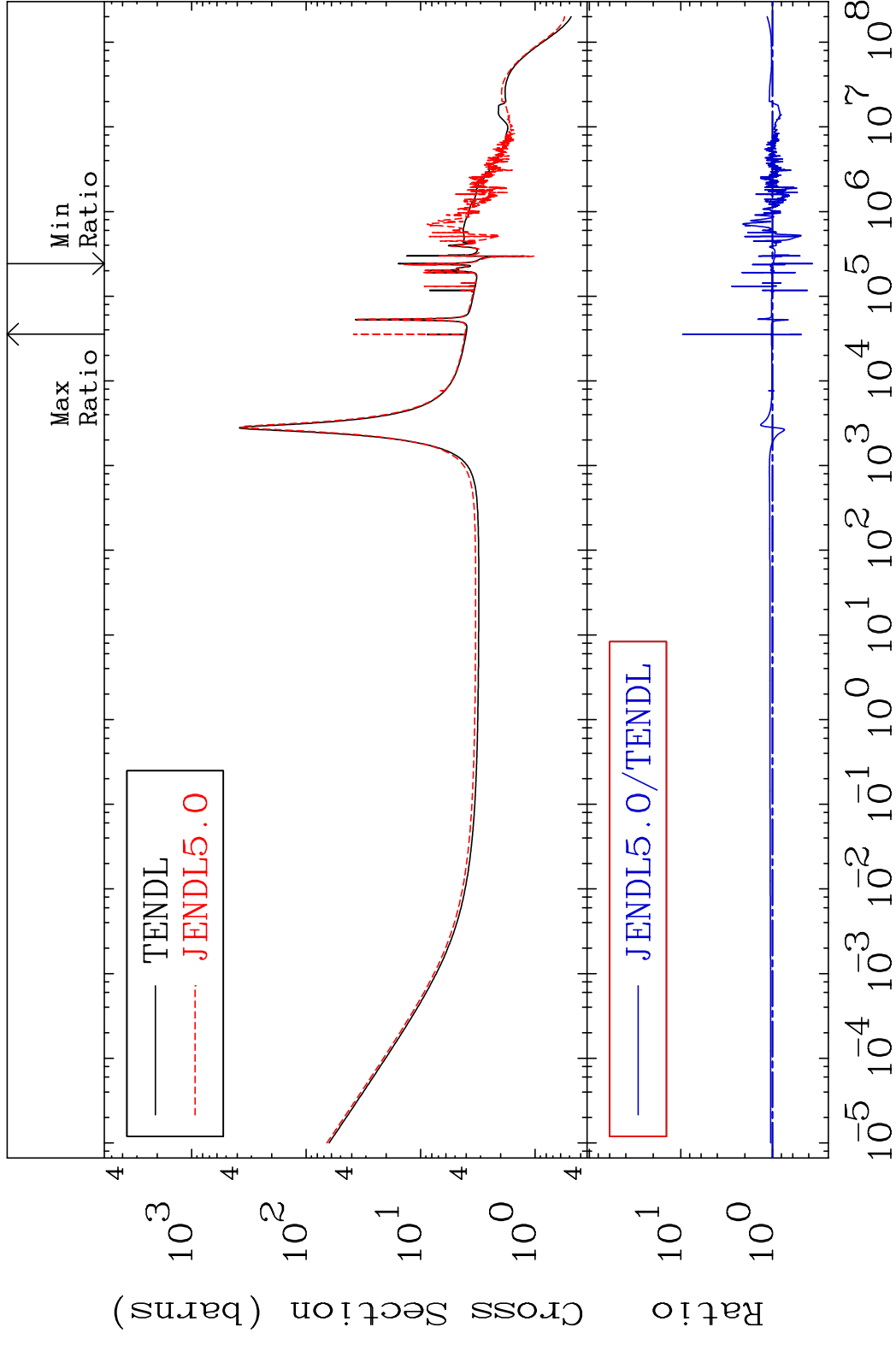
MAT 1125

Total

11-Na-23

Cross Section

-63.59 To 862.6 %



1

Incident Energy (eV)

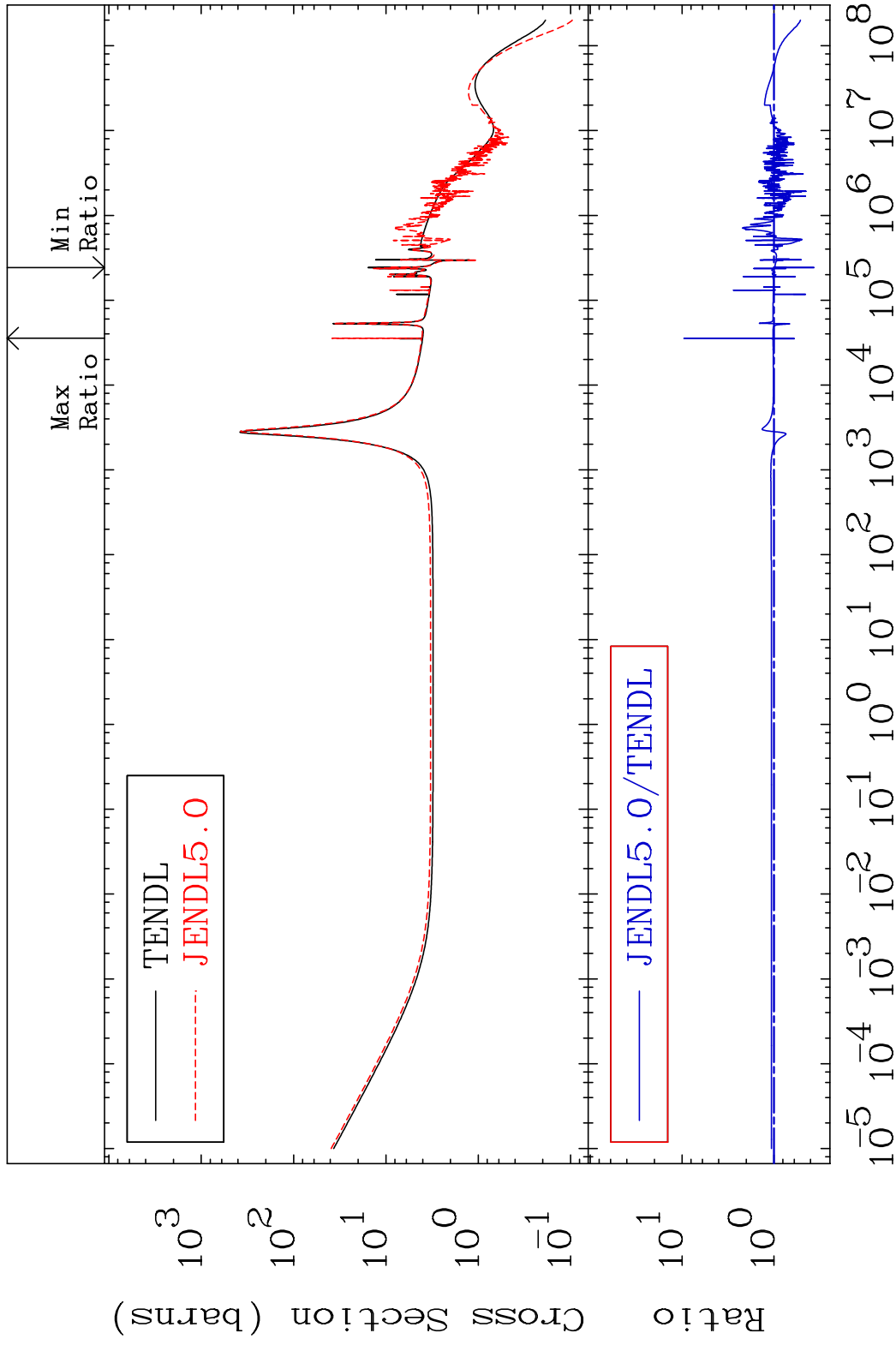
11-Na-23

MAT 1125

Elastic

11-Na-23

Cross Section -63.55 To 861.3 %



2

Incident Energy (eV)

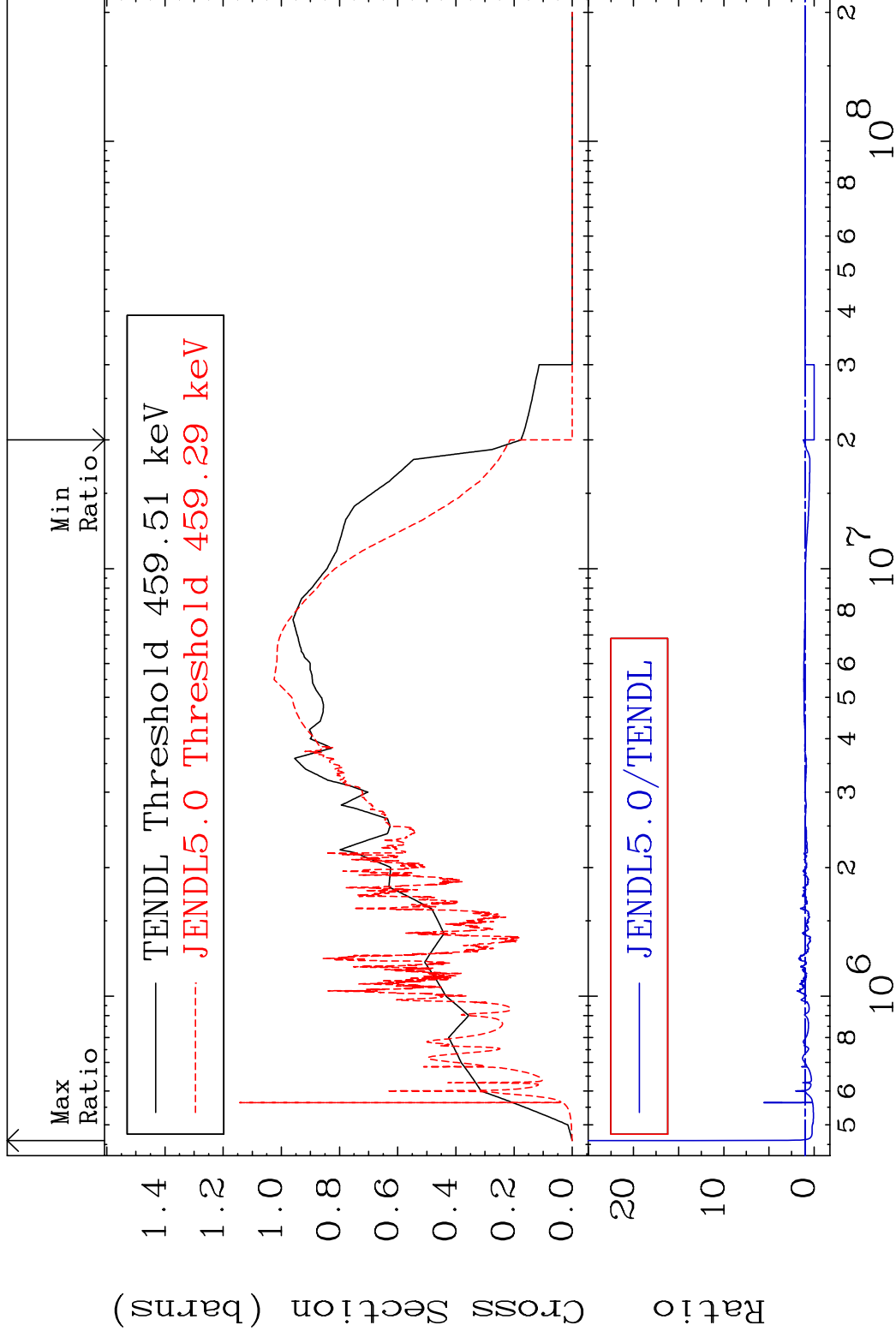
11-Na-23

MAT 1125

Inelastic

11-Na-23

Cross Section -100.0 To 1345. %



3

Incident Energy (eV)

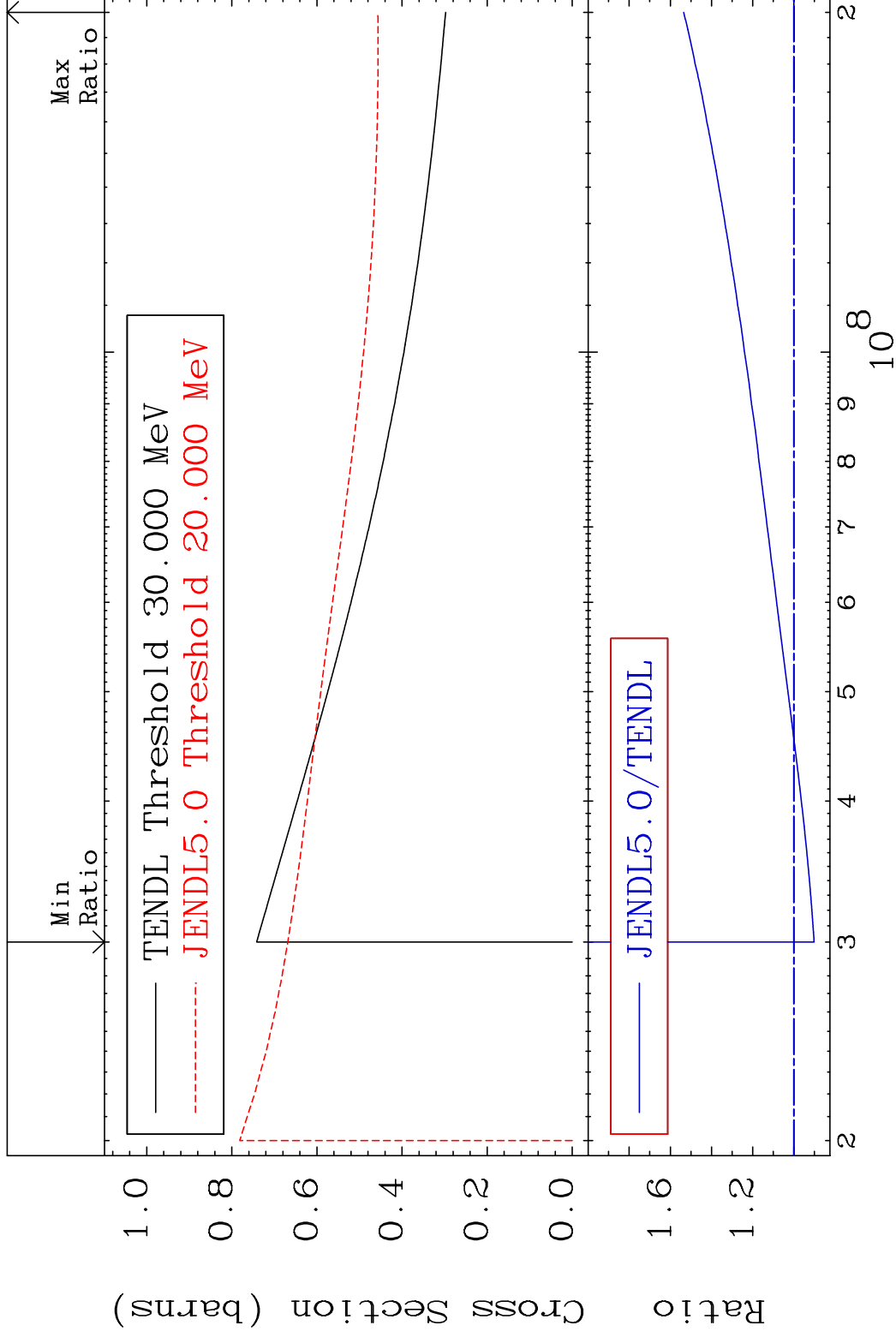
11-Na-23

MAT 1125

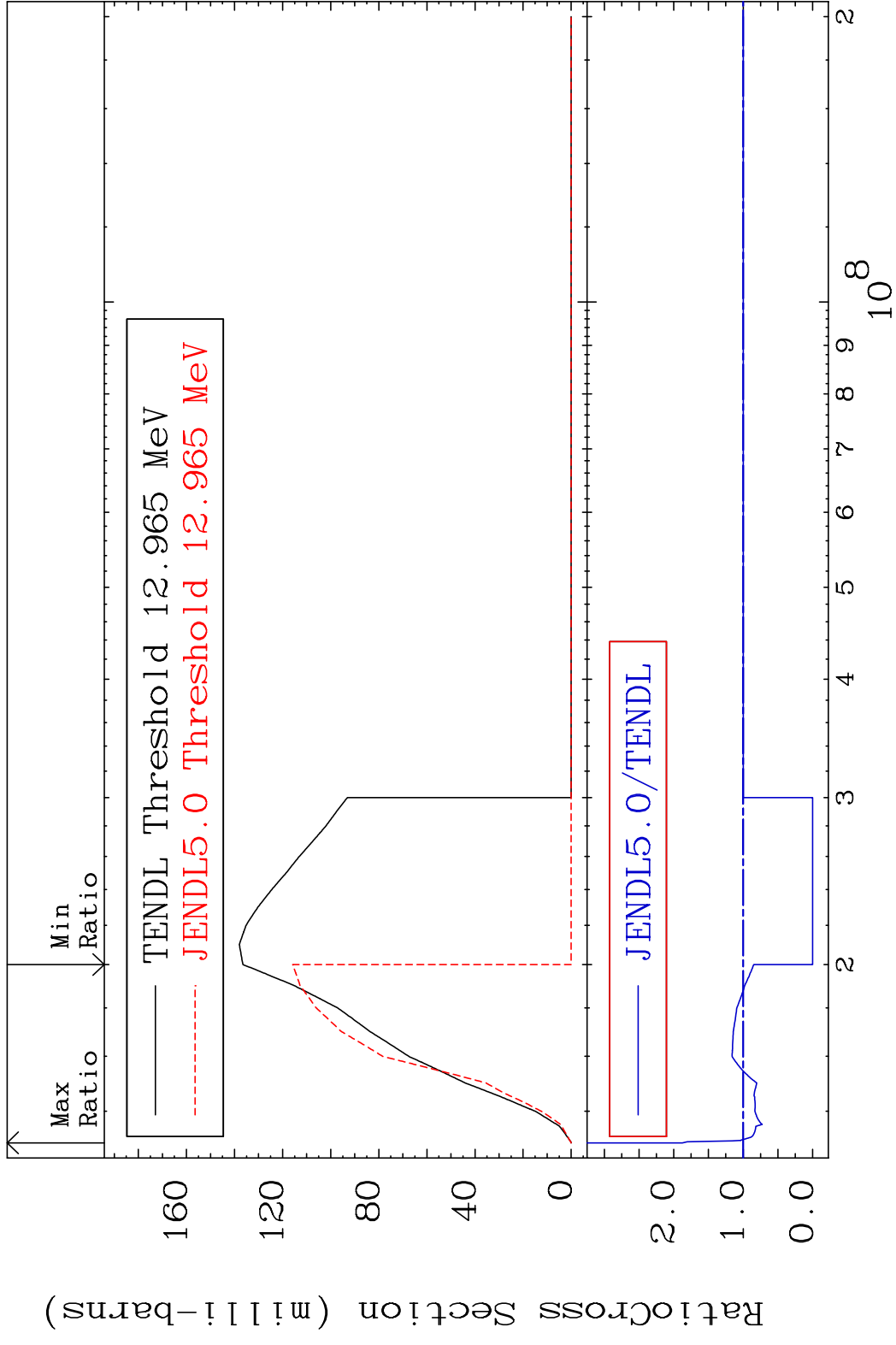
(n, remainder)

11-Na-23

Cross Section -9.858 To 53.52 %



MAT 1125 (n,2n) 11-Na-23  
 Cross Section -100.0 To 87.64 %

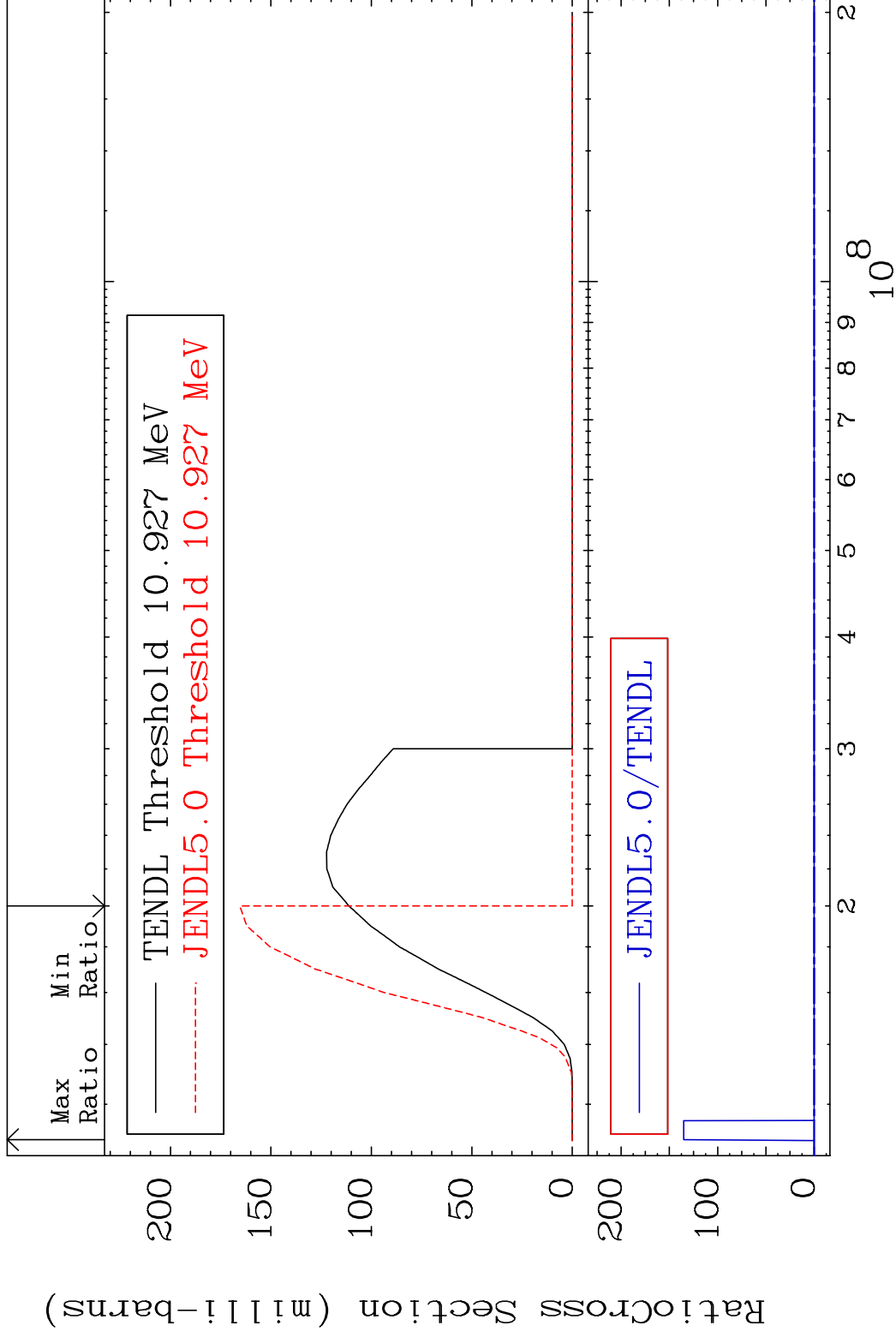


MAT 1125

(n, n')  $\alpha$

11-Na-23

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

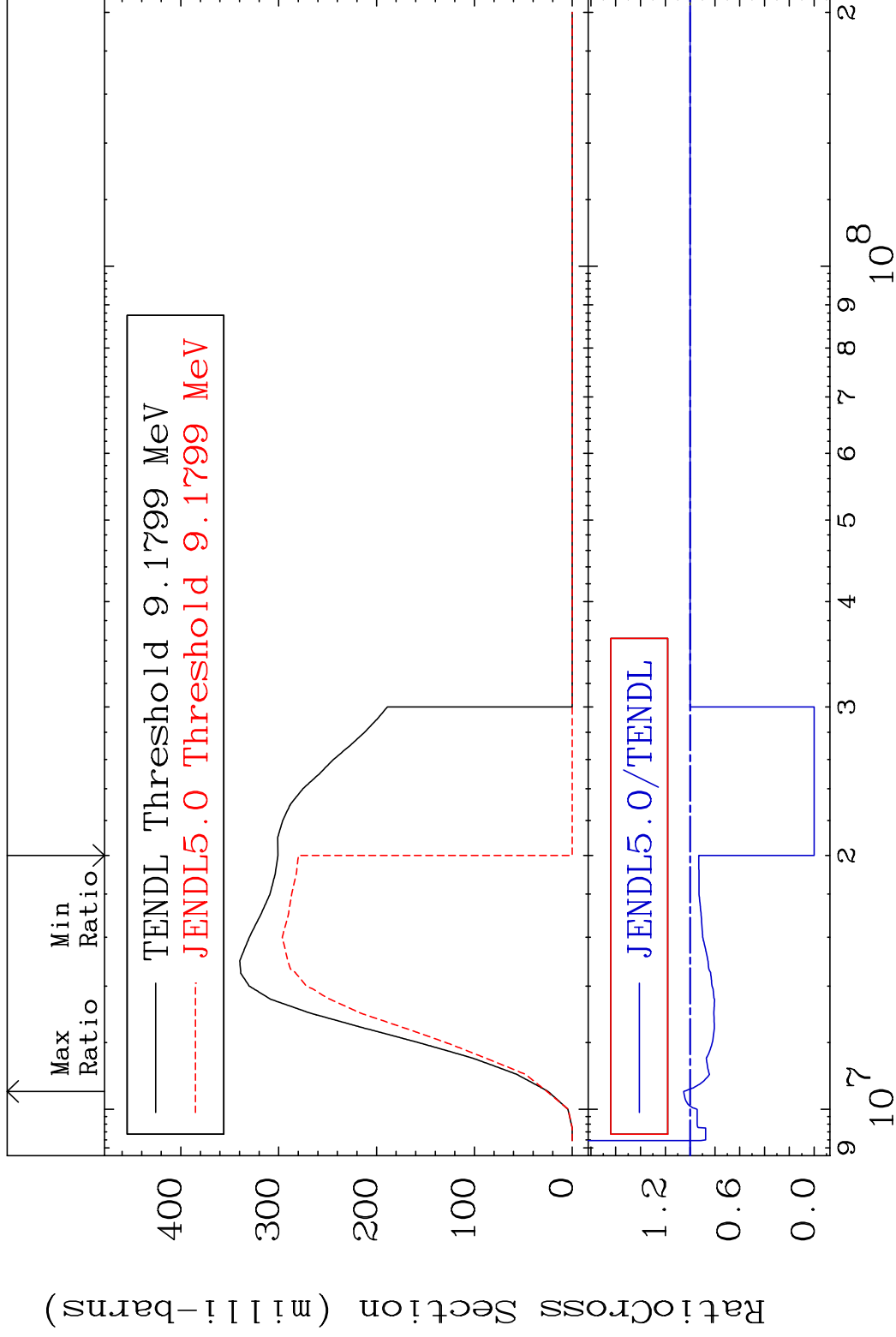
11-Na-23

MAT 1125

(n, n') p

11-Na-23

Cross Section -100.0 To 5.197 %

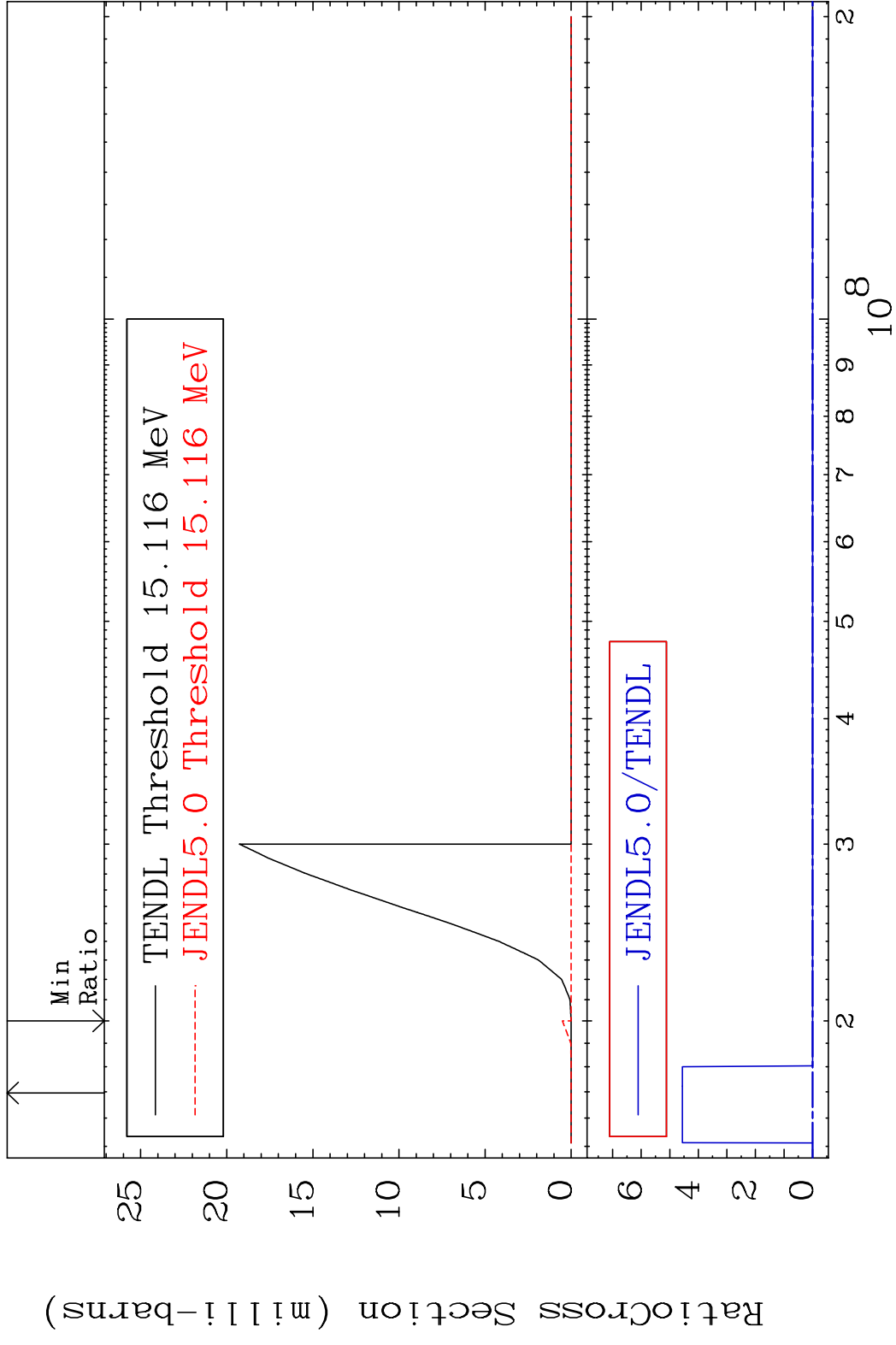


7

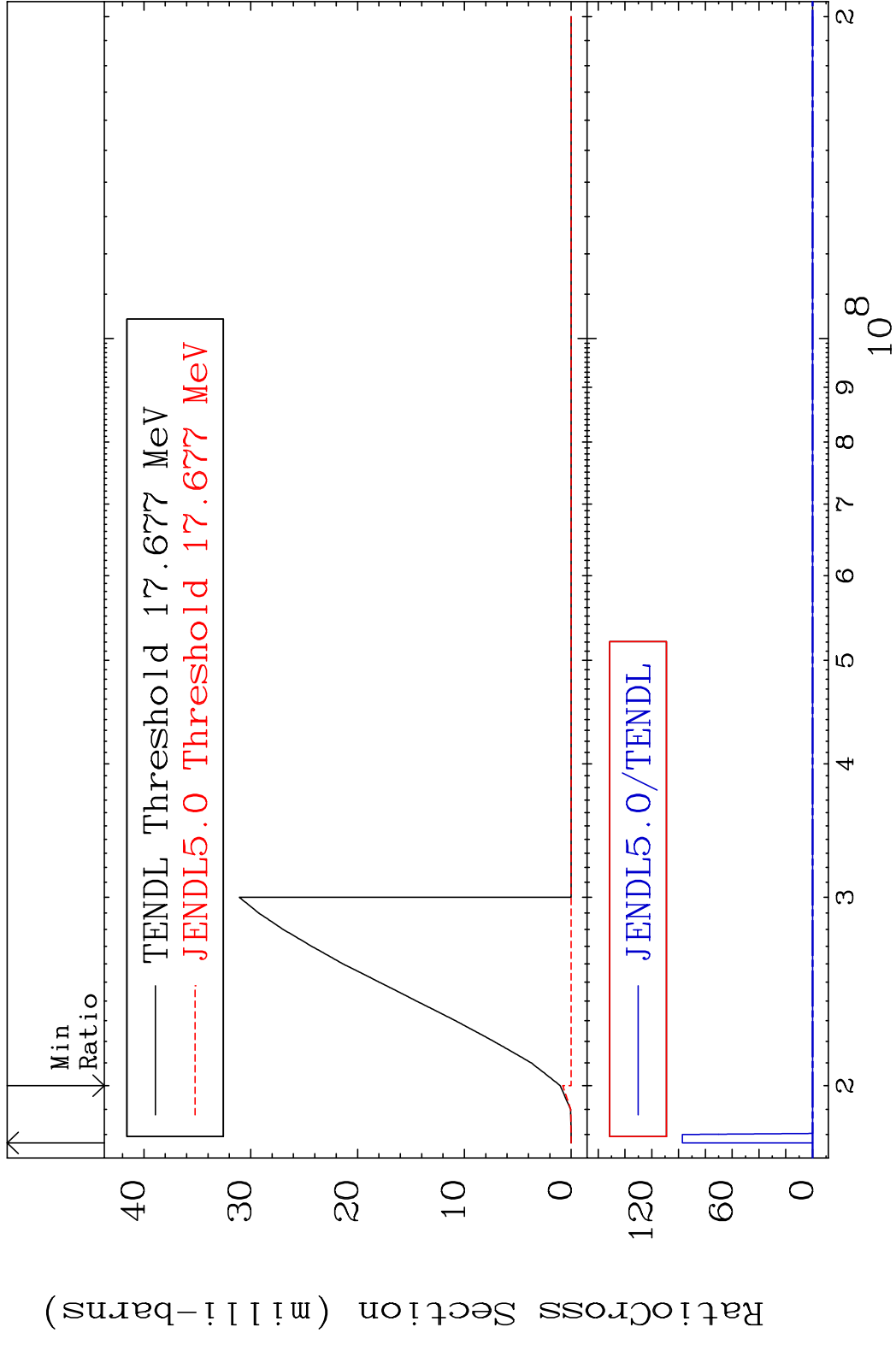
Incident Energy (eV)

11-Na-23

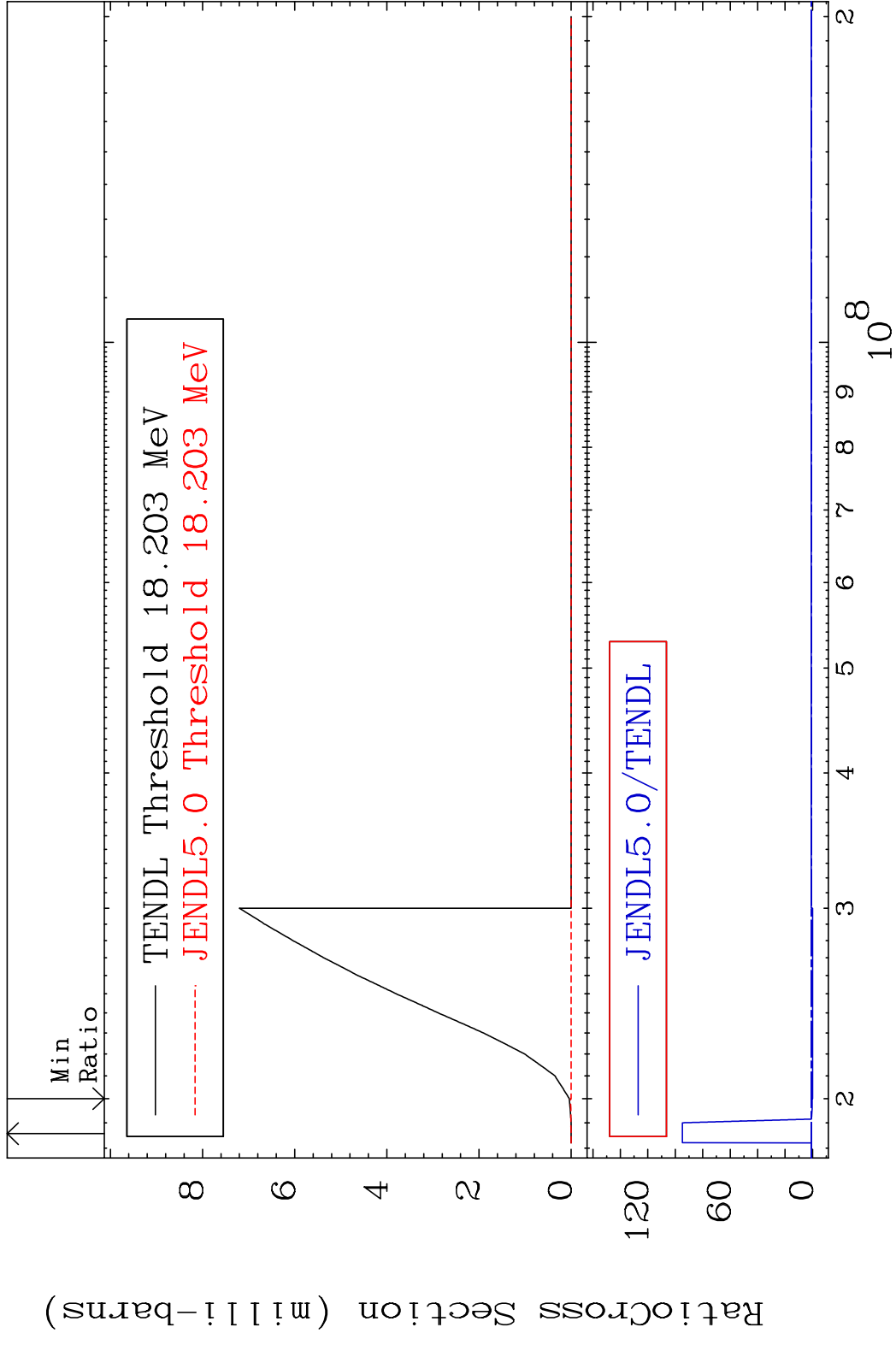
MAT 1125 (n, n') 2α 11-Na-23  
 Cross Section -100.0 To 9999. %



MAT 1125 (n, n') d 11-Na-23  
 Cross Section -100.0 To 9999. %

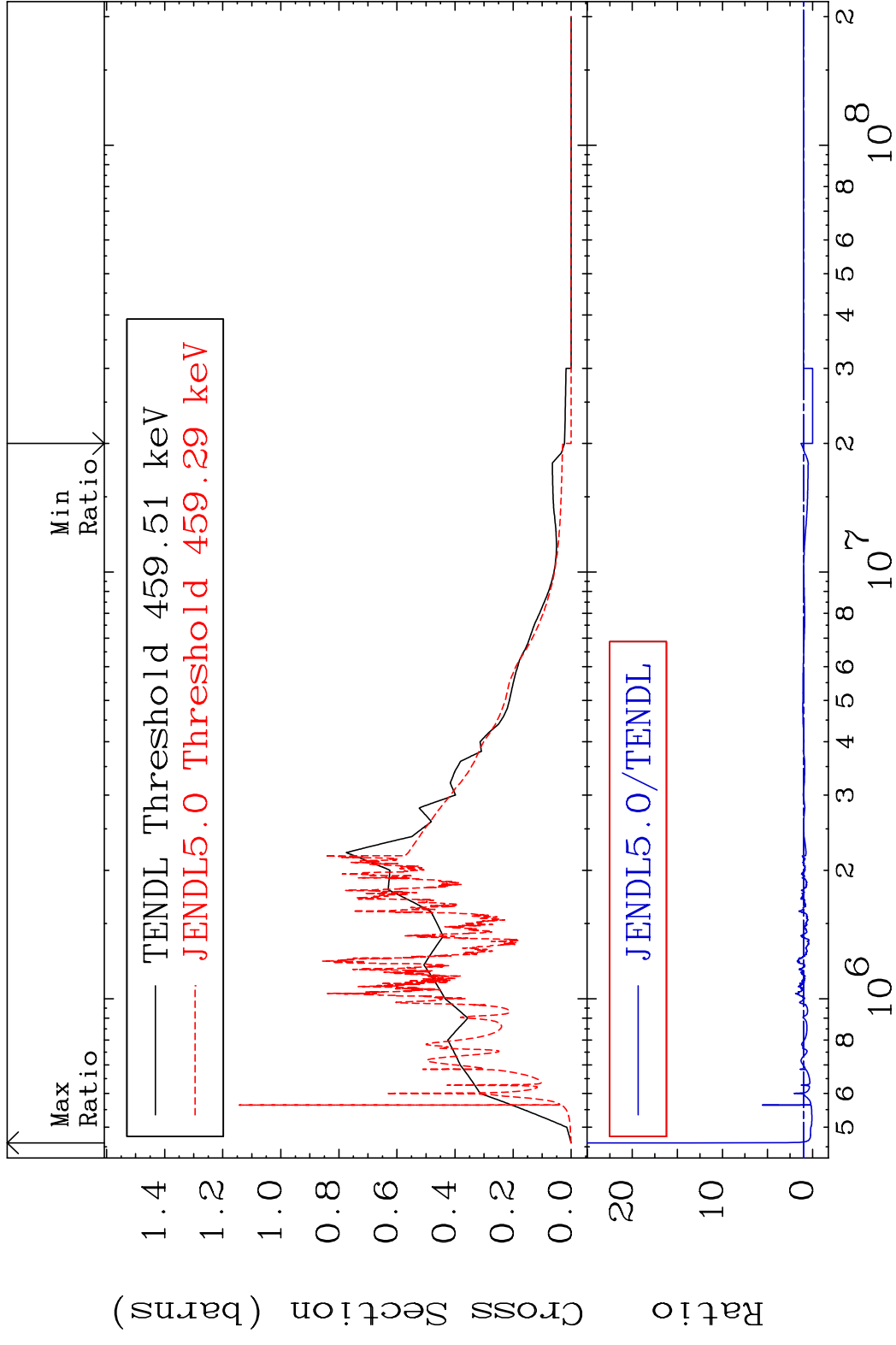


MAT 1125 (n, n') t 11-Na-23  
 Cross Section -100.0 To 9385. %

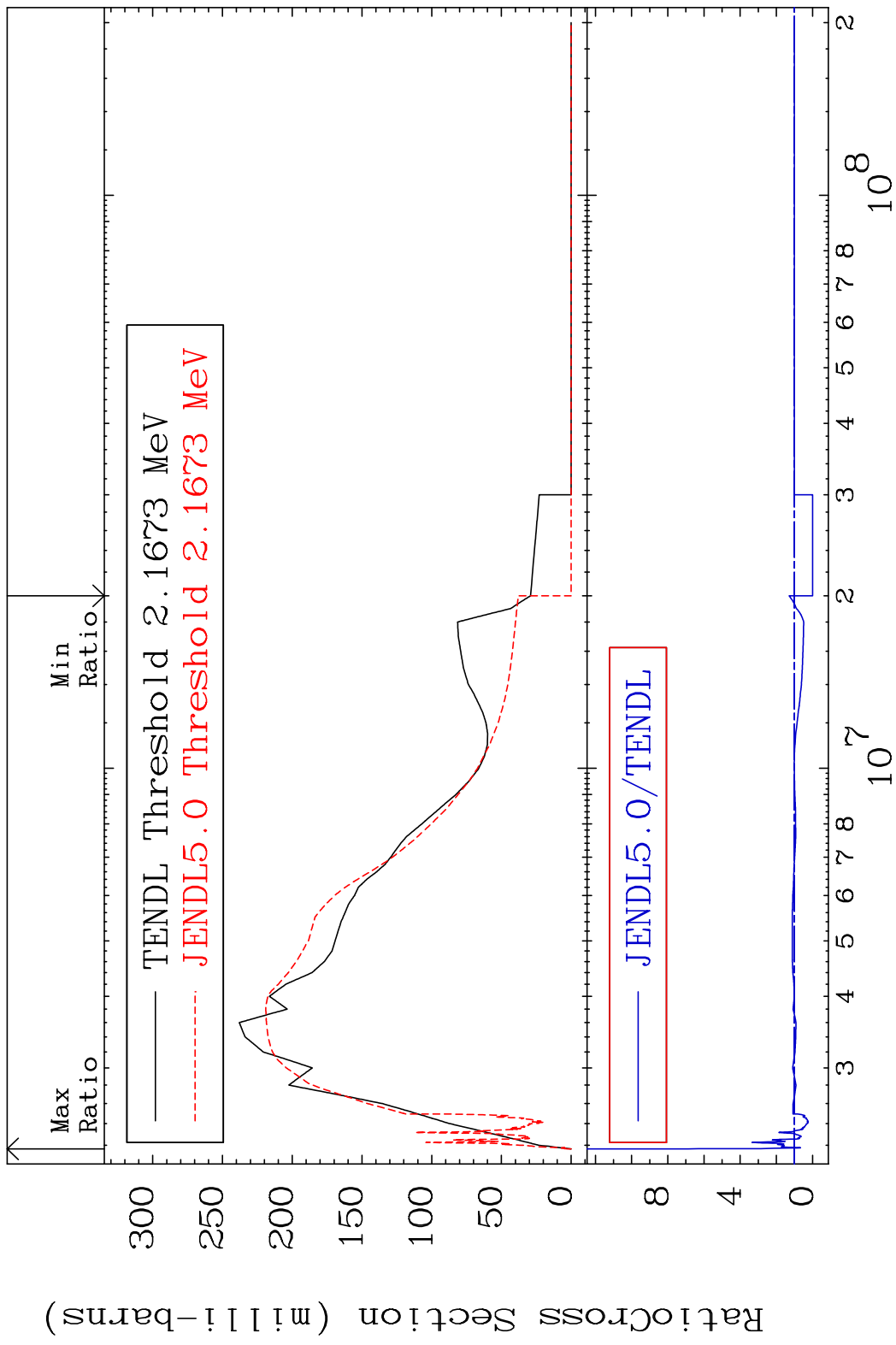


10 Incident Energy (eV) 11-Na-23

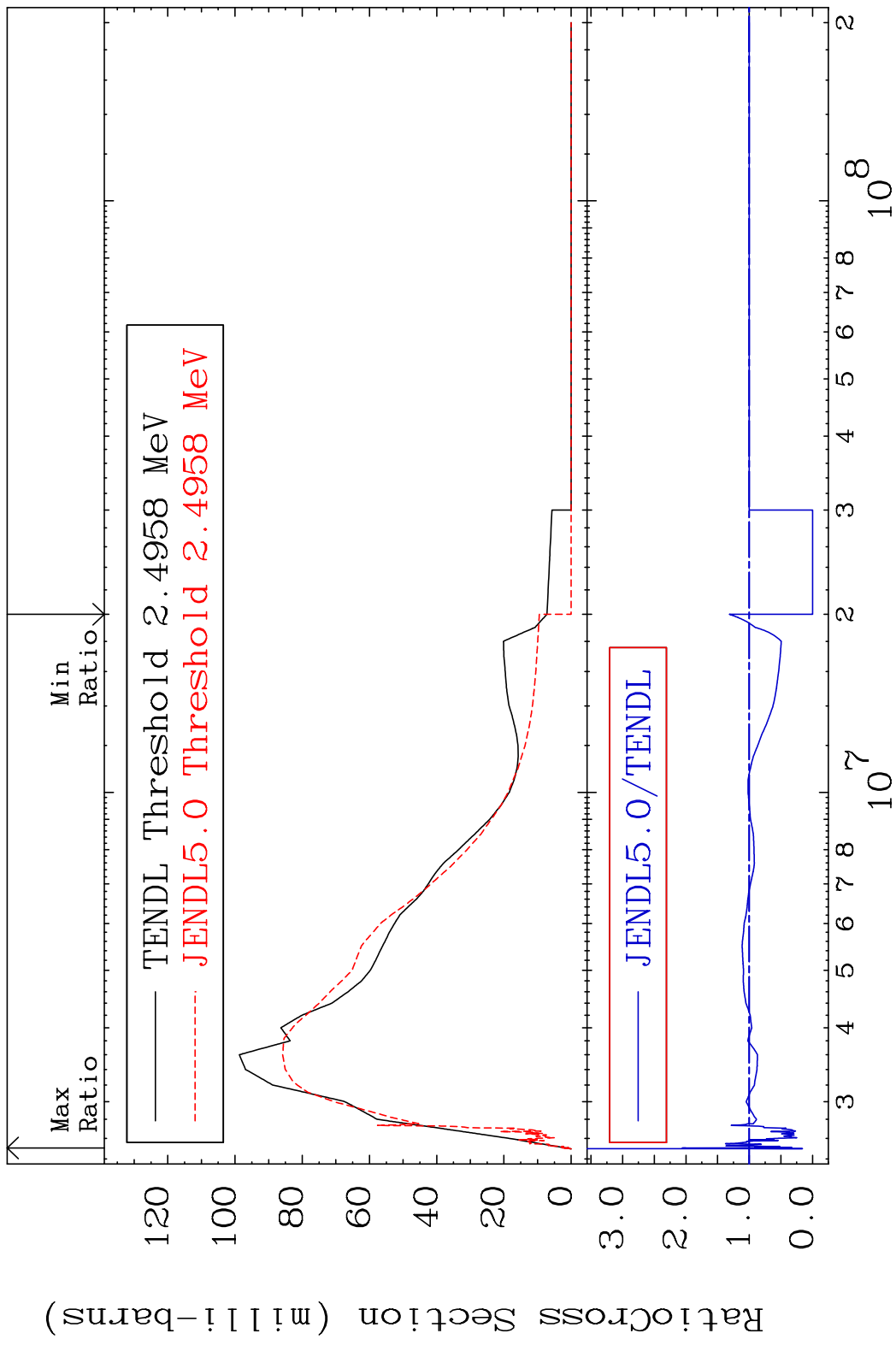
MAT 1125 MT= 51 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 1345. %



MAT 1125 MT= 52 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 619.5 %

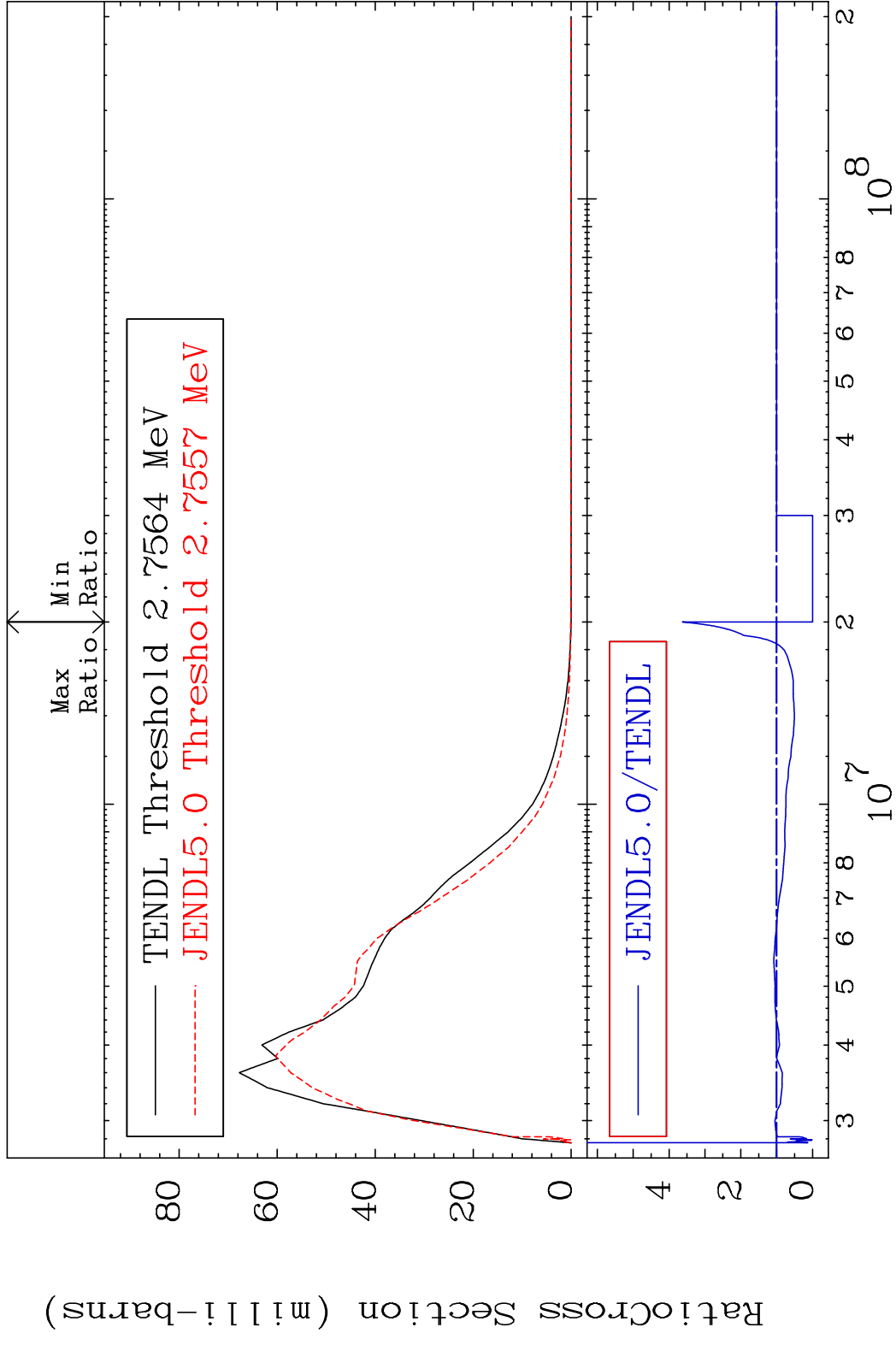


MAT 1125 MT= 53 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 105.7 %

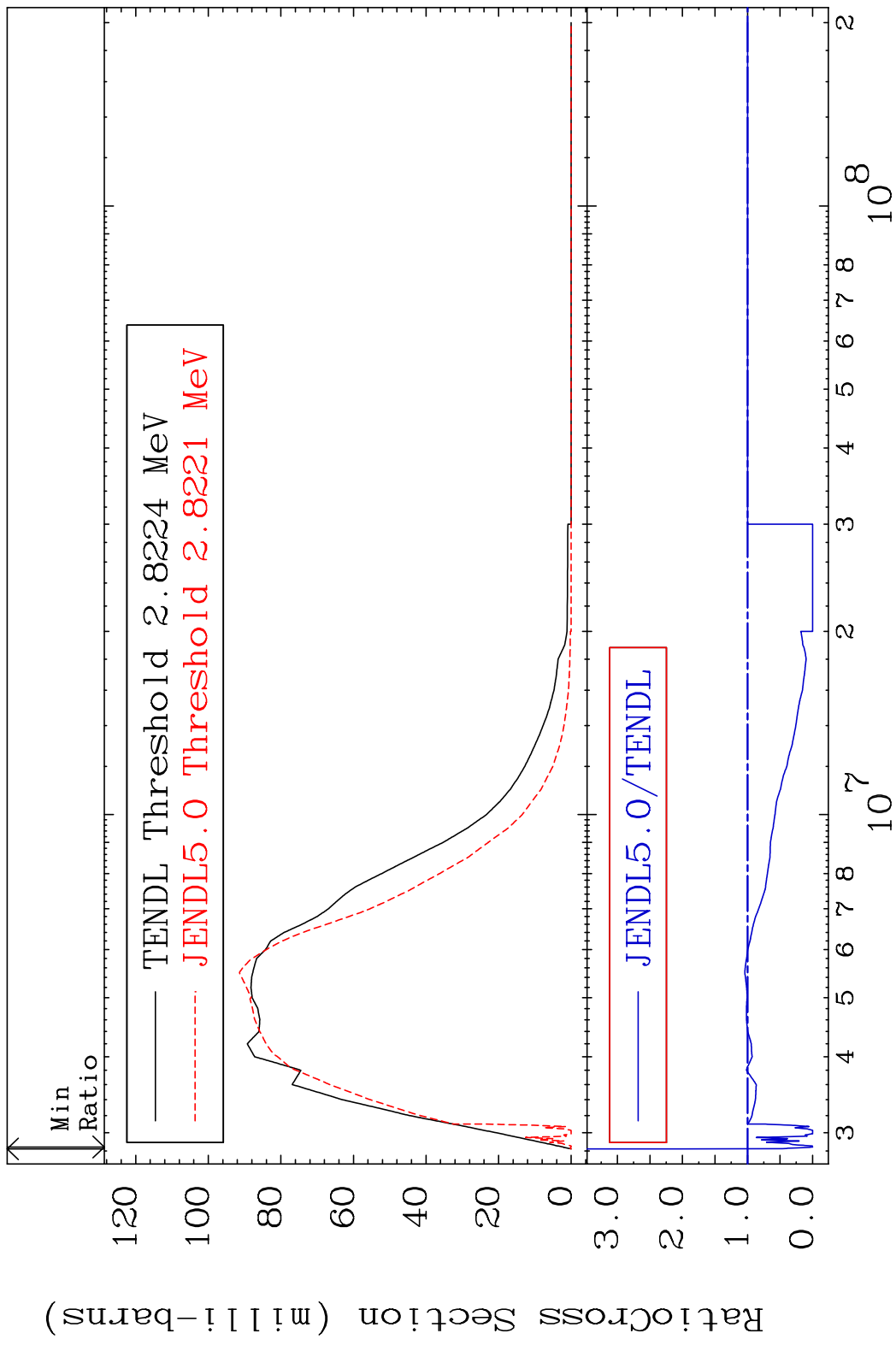


13 Incident Energy (eV) 11-Na-23

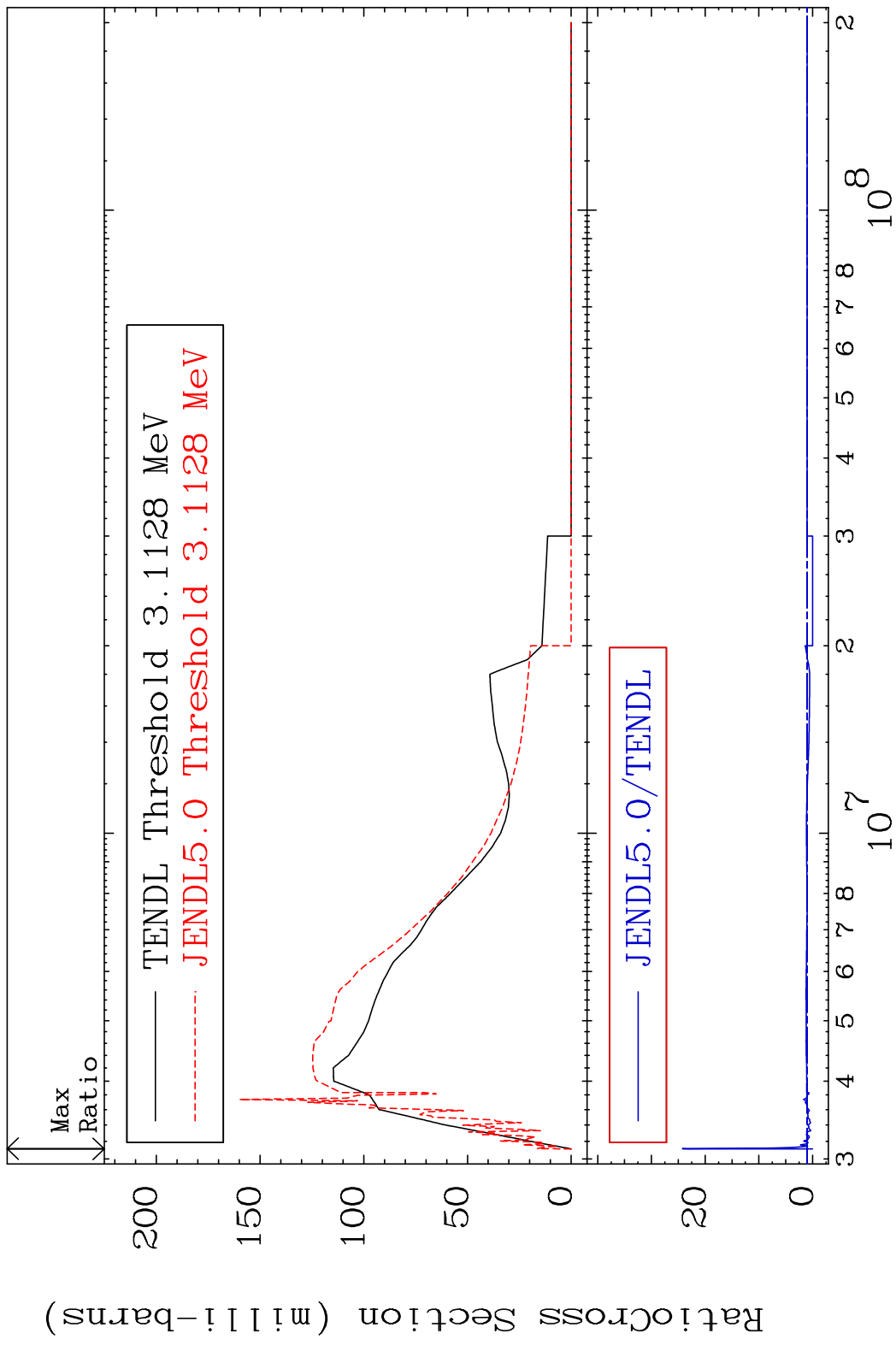
MAT 1125 MT= 54 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 262.9 %



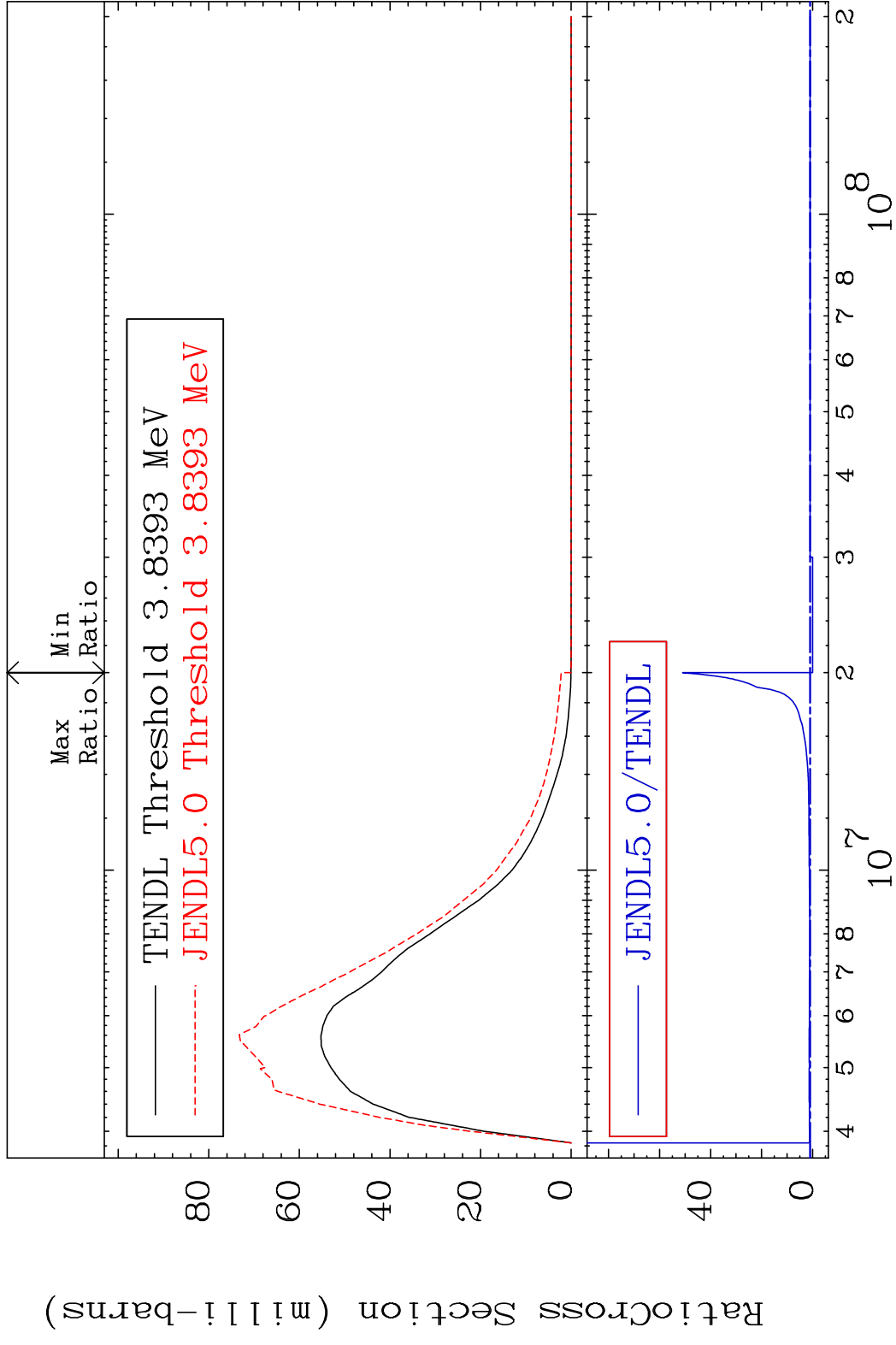
MAT 1125 MT= 55 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 100.2 %



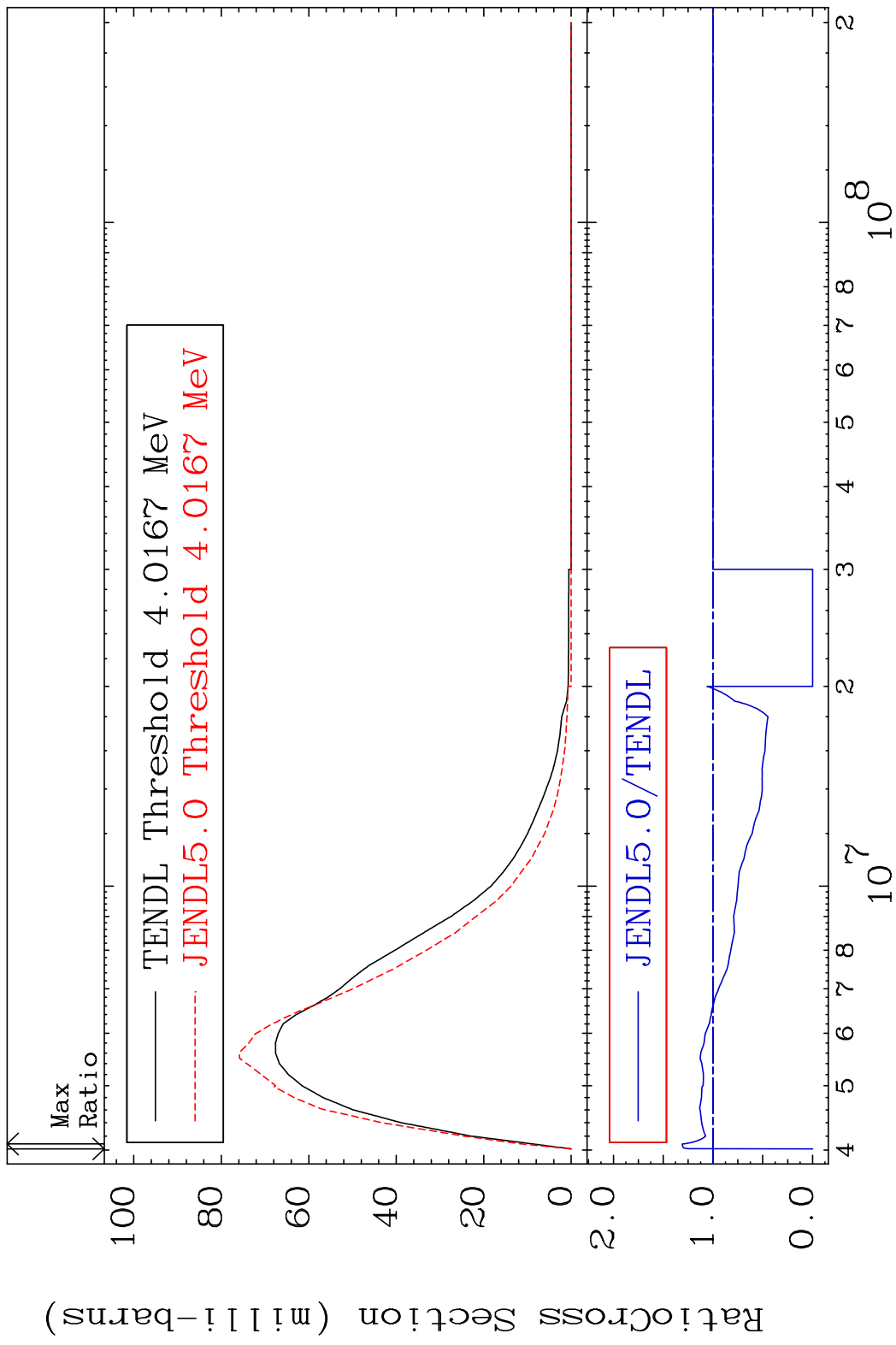
MAT 1125 MT= 56 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 2324. %



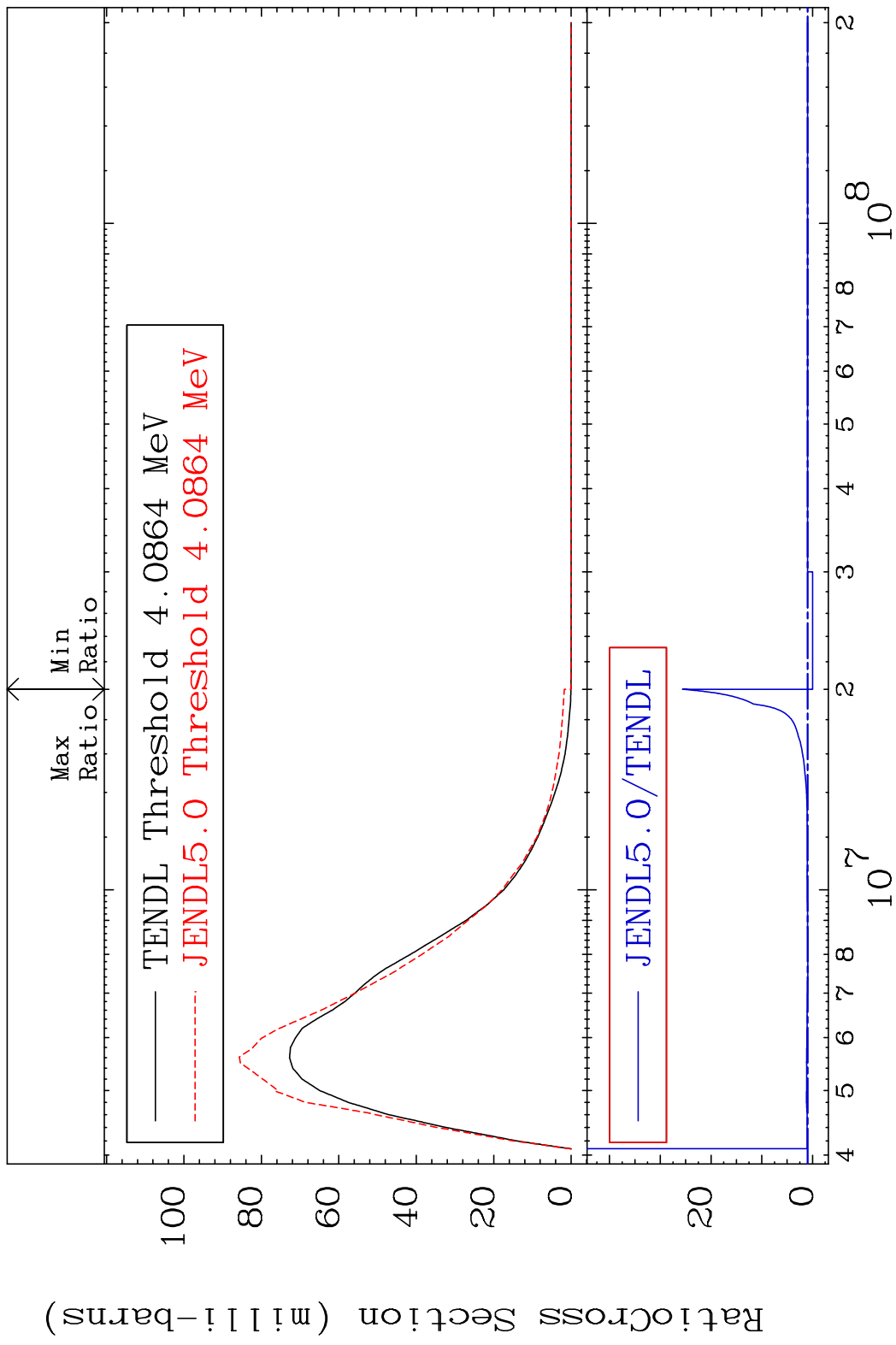
MAT 1125 MT= 57 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 5007. %



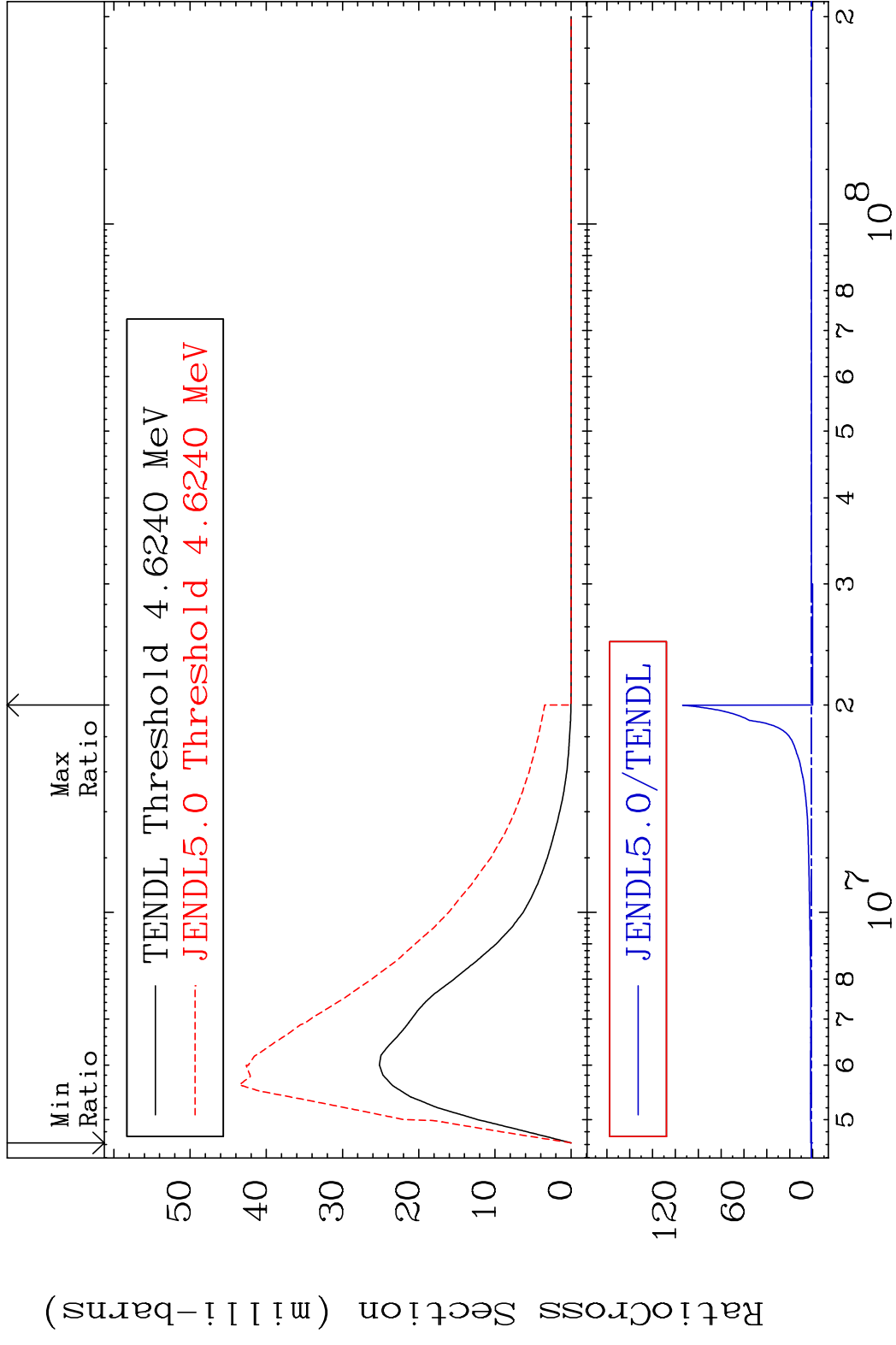
MAT 1125 MT= 58 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 30.76 %



MAT 1125 MT= 59 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 2465. %

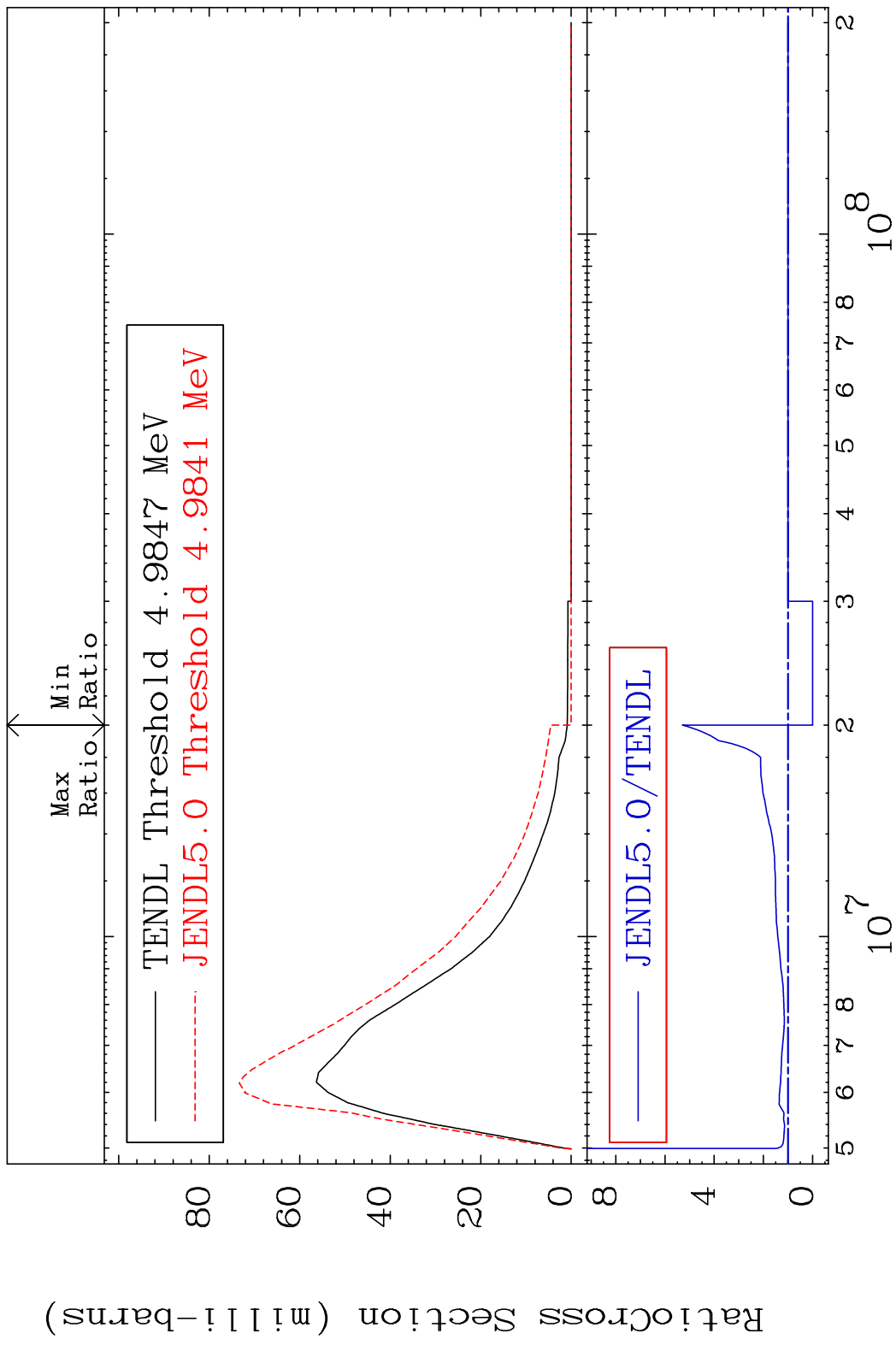


MAT 1125 MT= 60 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 9999. %

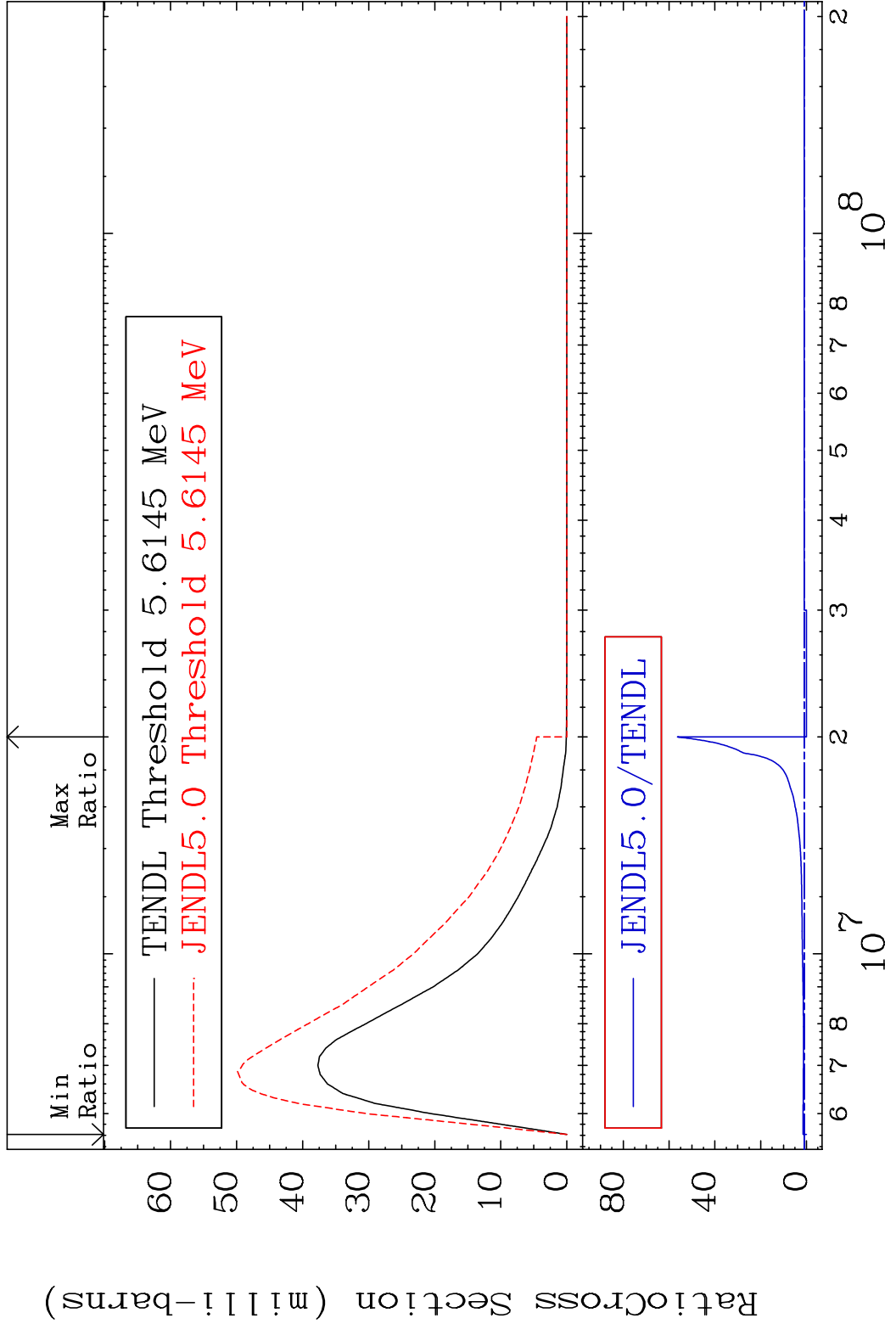


20 11-Na-23

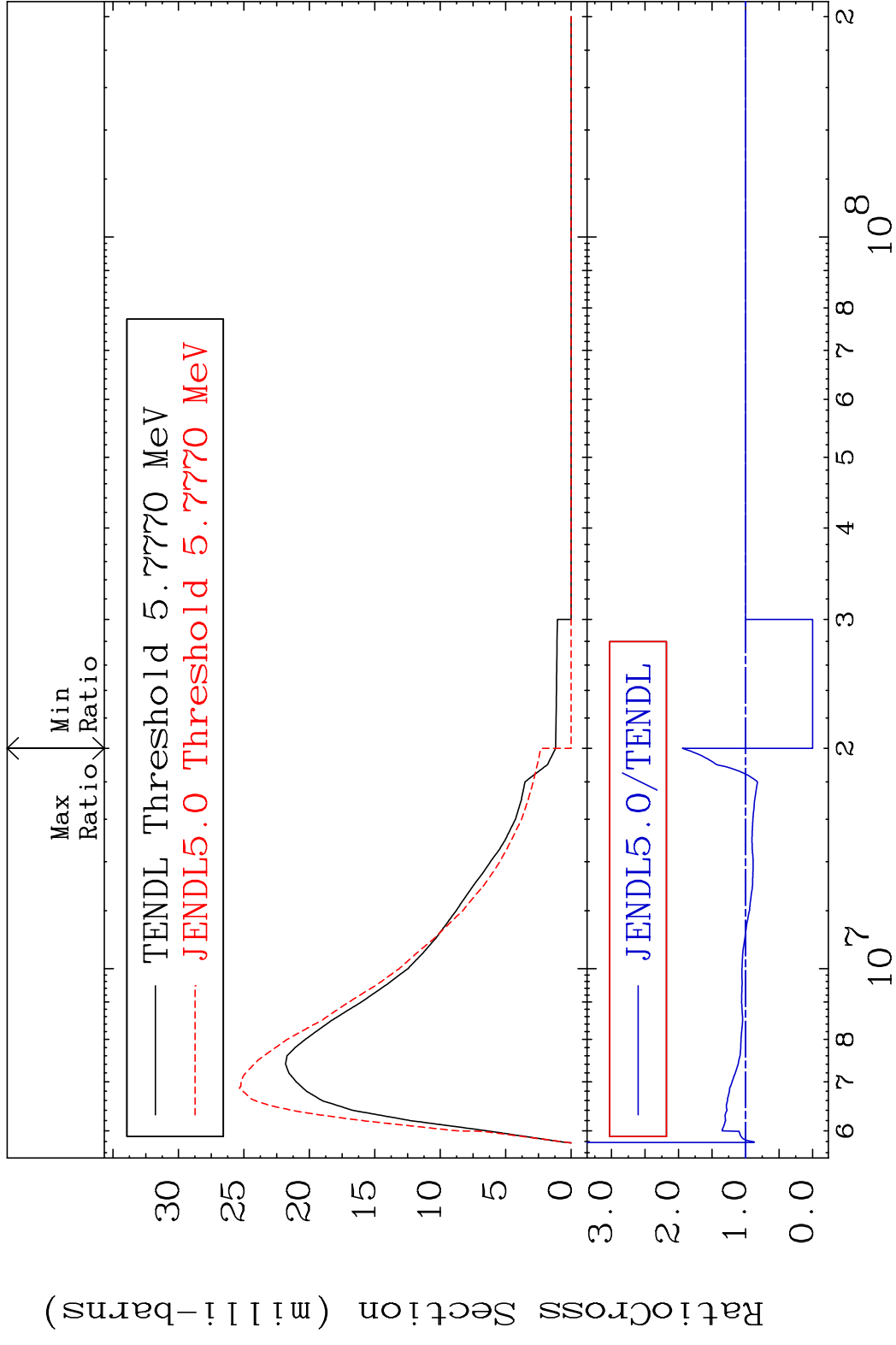
MAT 1125 MT= 61 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 429.5 %



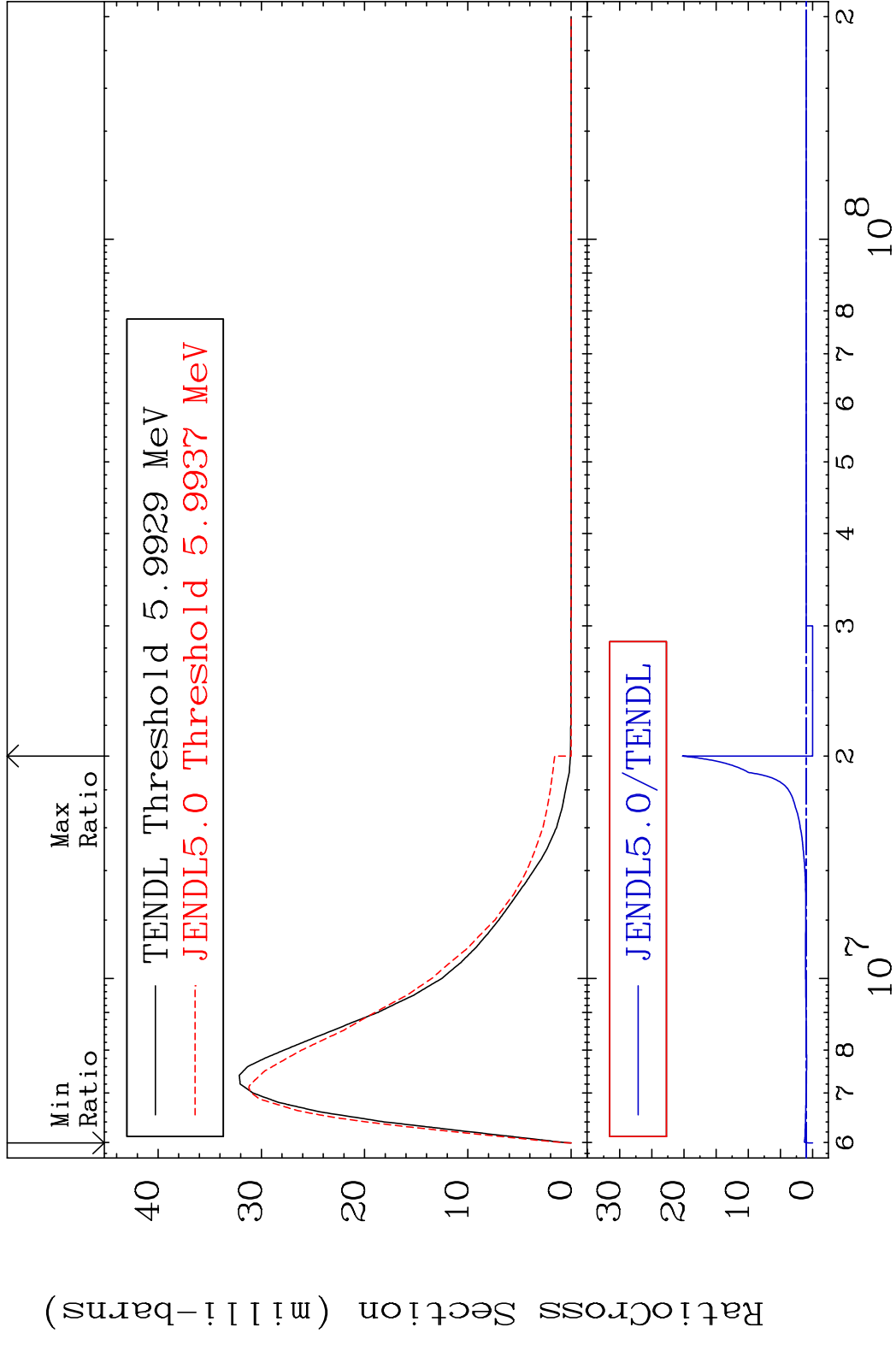
MAT 1125 MT= 62 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 5546. %



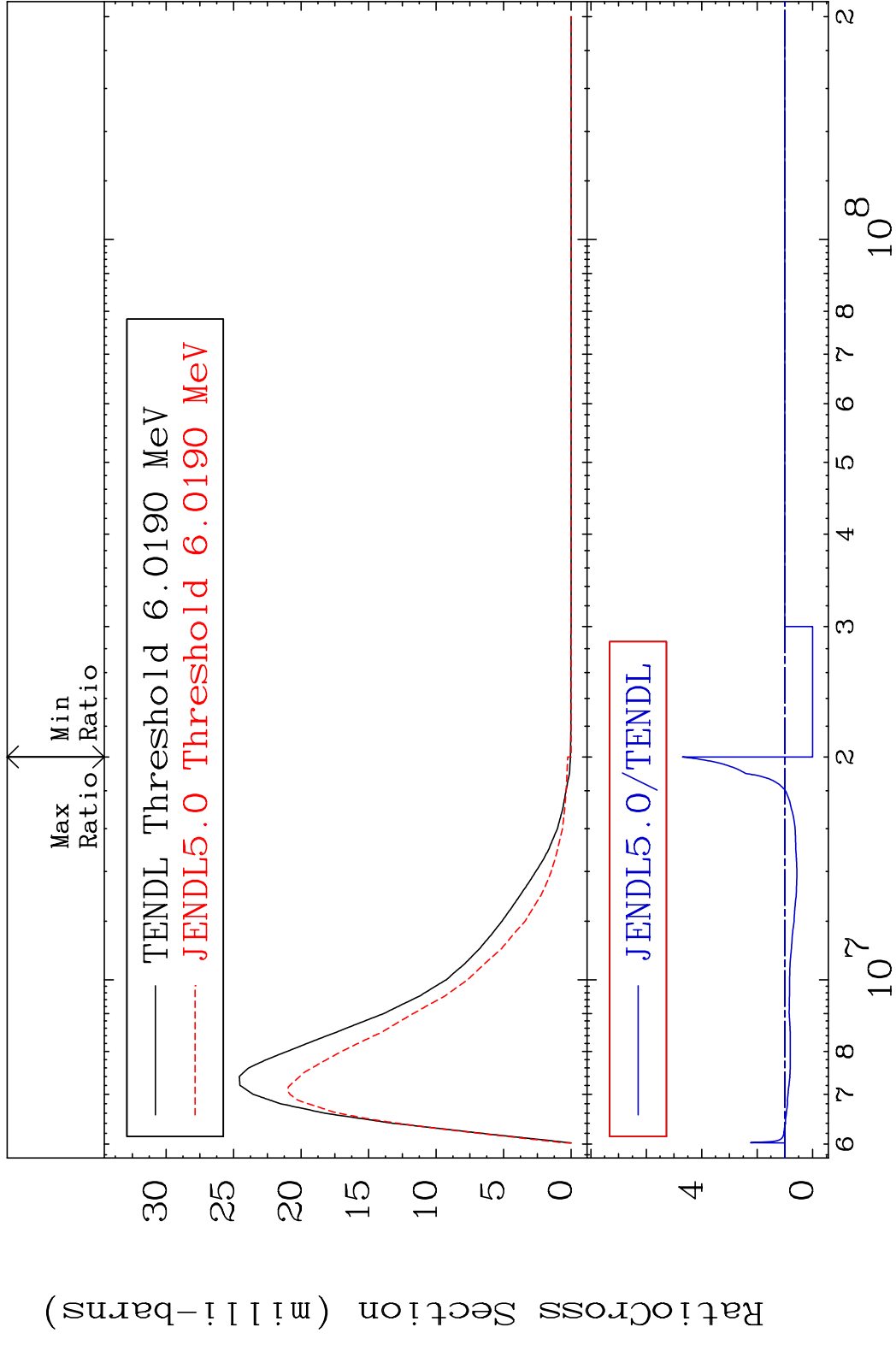
MAT 1125 MT= 63 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 94.27 %



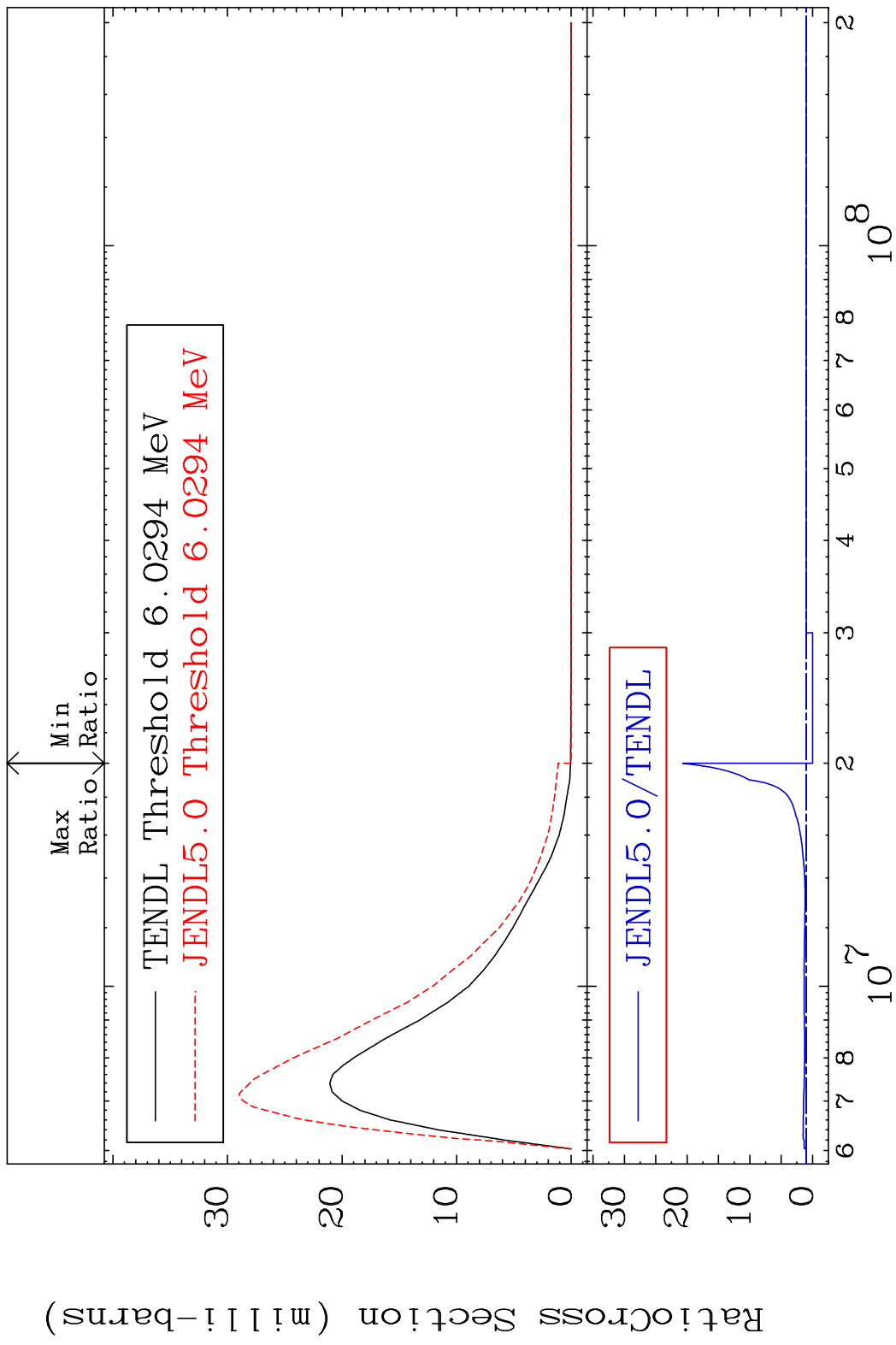
MAT 1125 MT= 64 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 1925. %



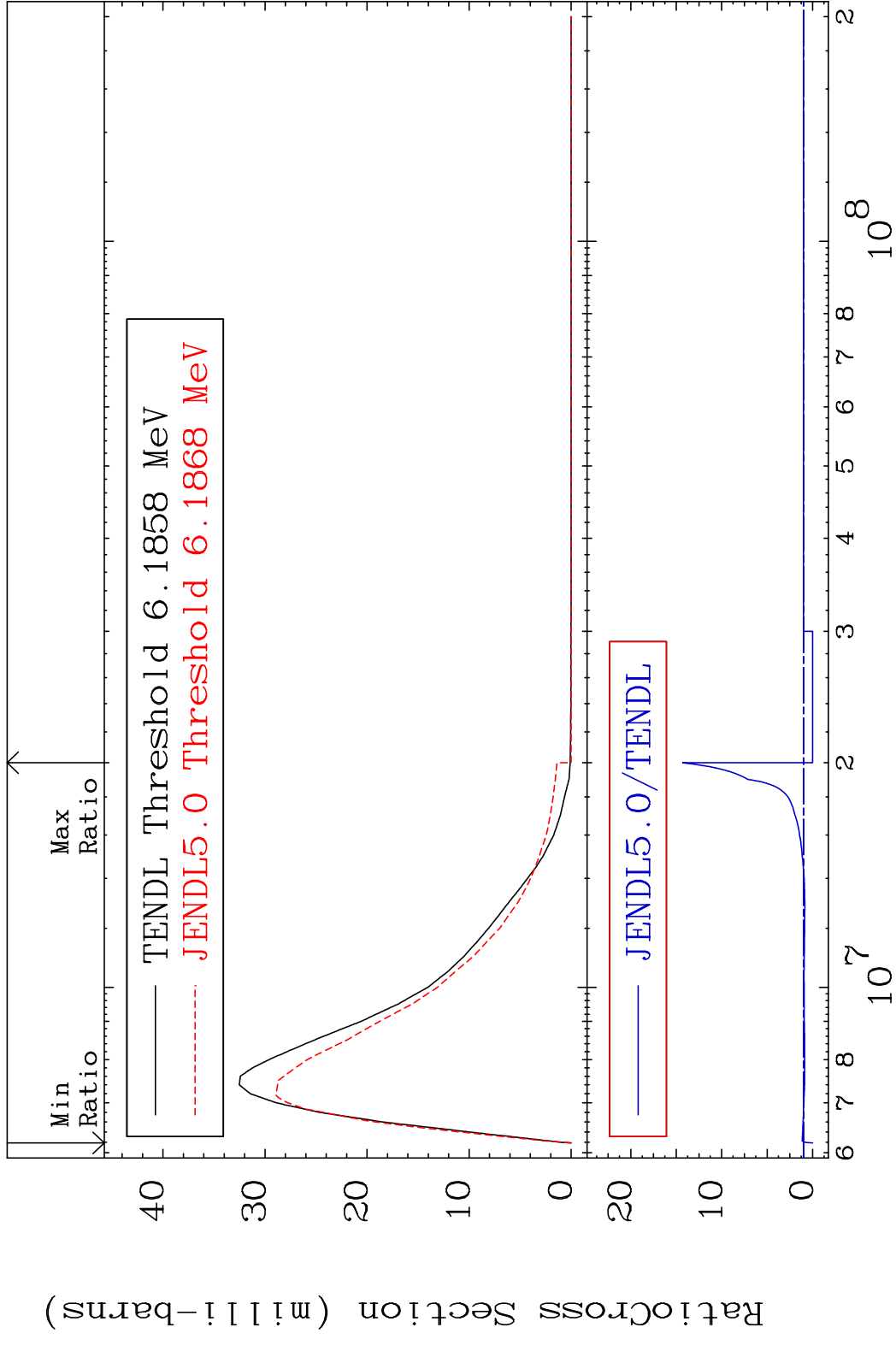
MAT 1125 MT= 65 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 369.8 %



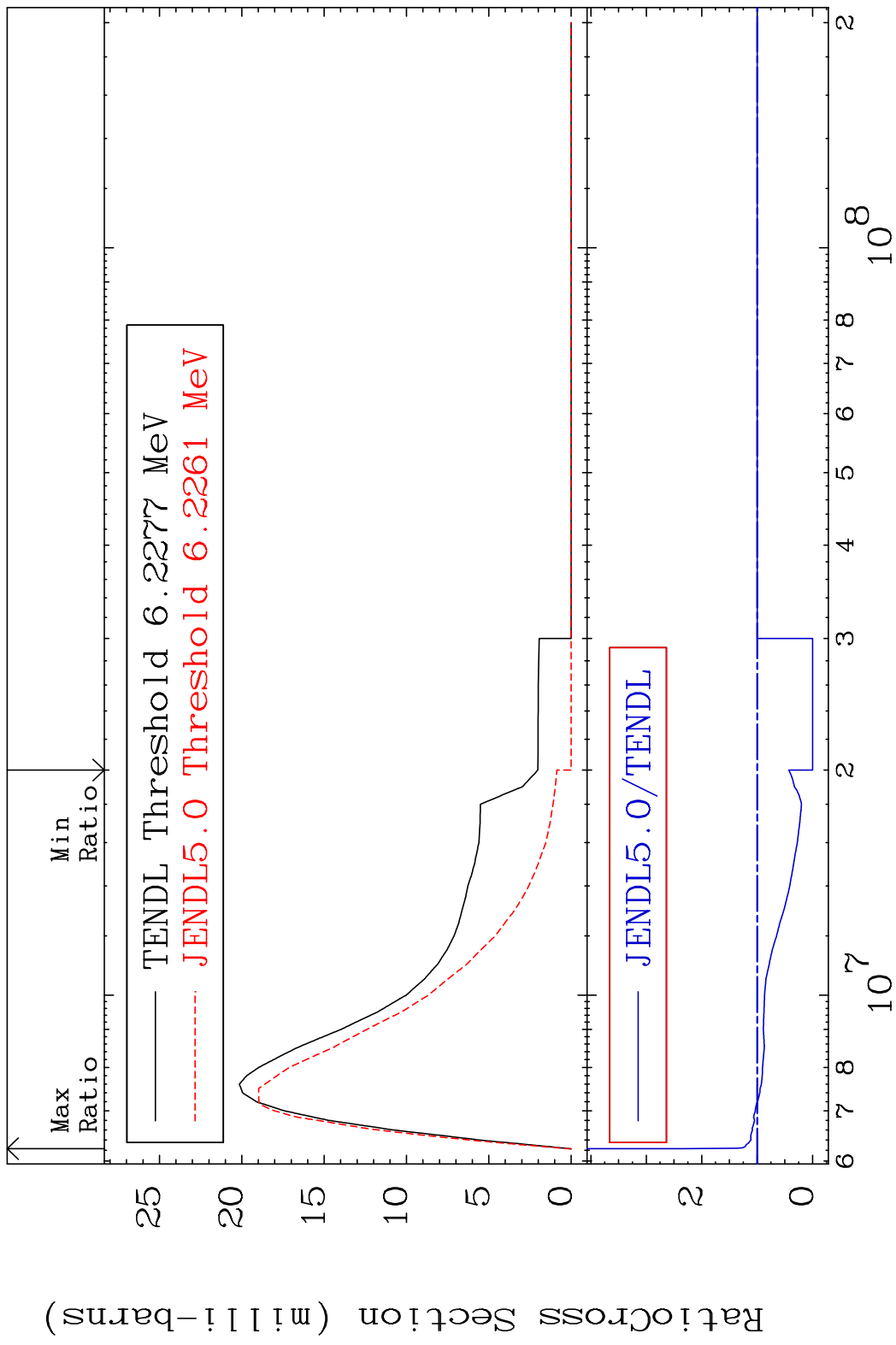
MAT 1125 MT= 66 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 1976. %



MAT 1125 MT= 67 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 1333. %

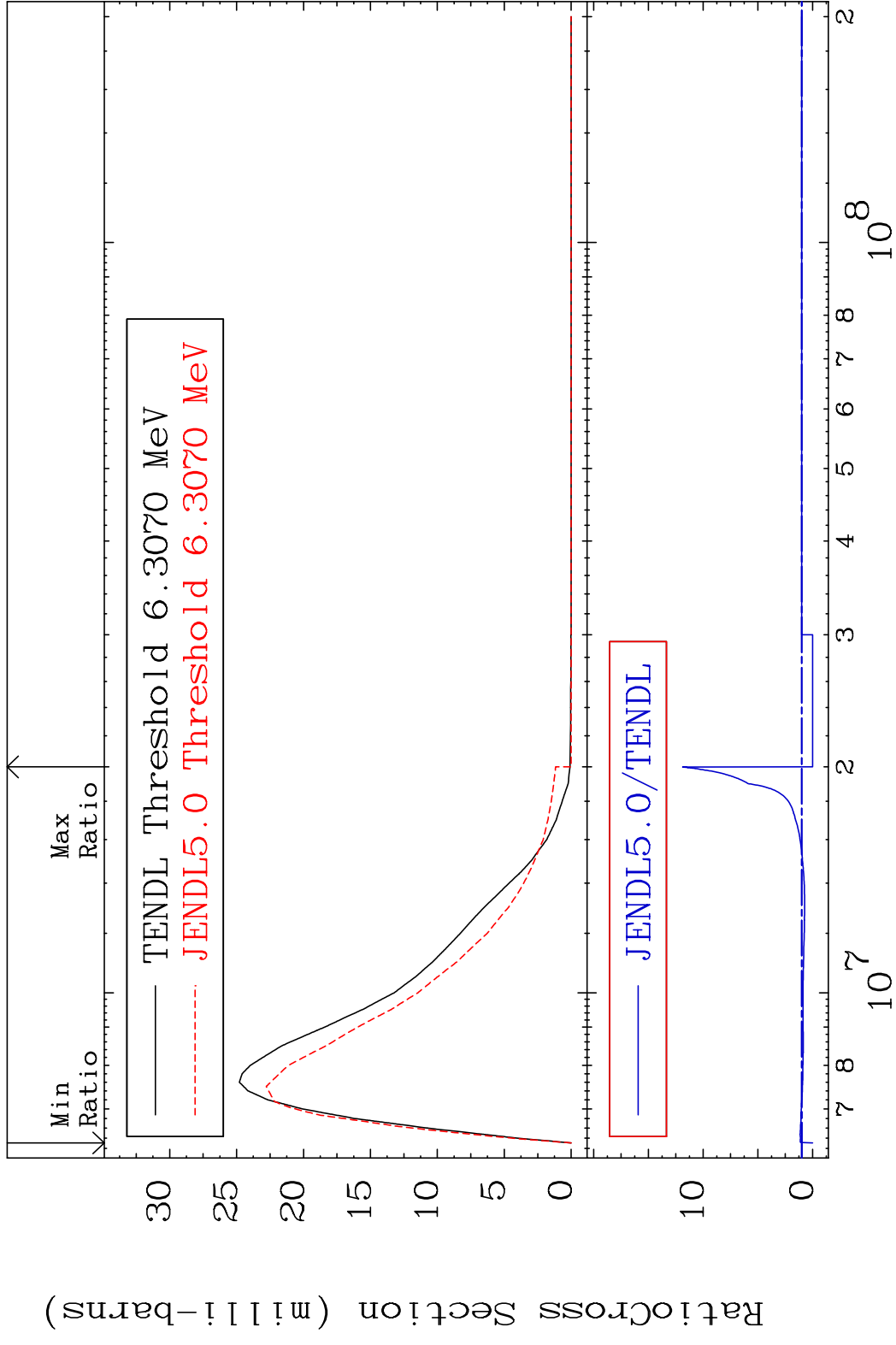


MAT 1125 MT= 68 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 134.9 %

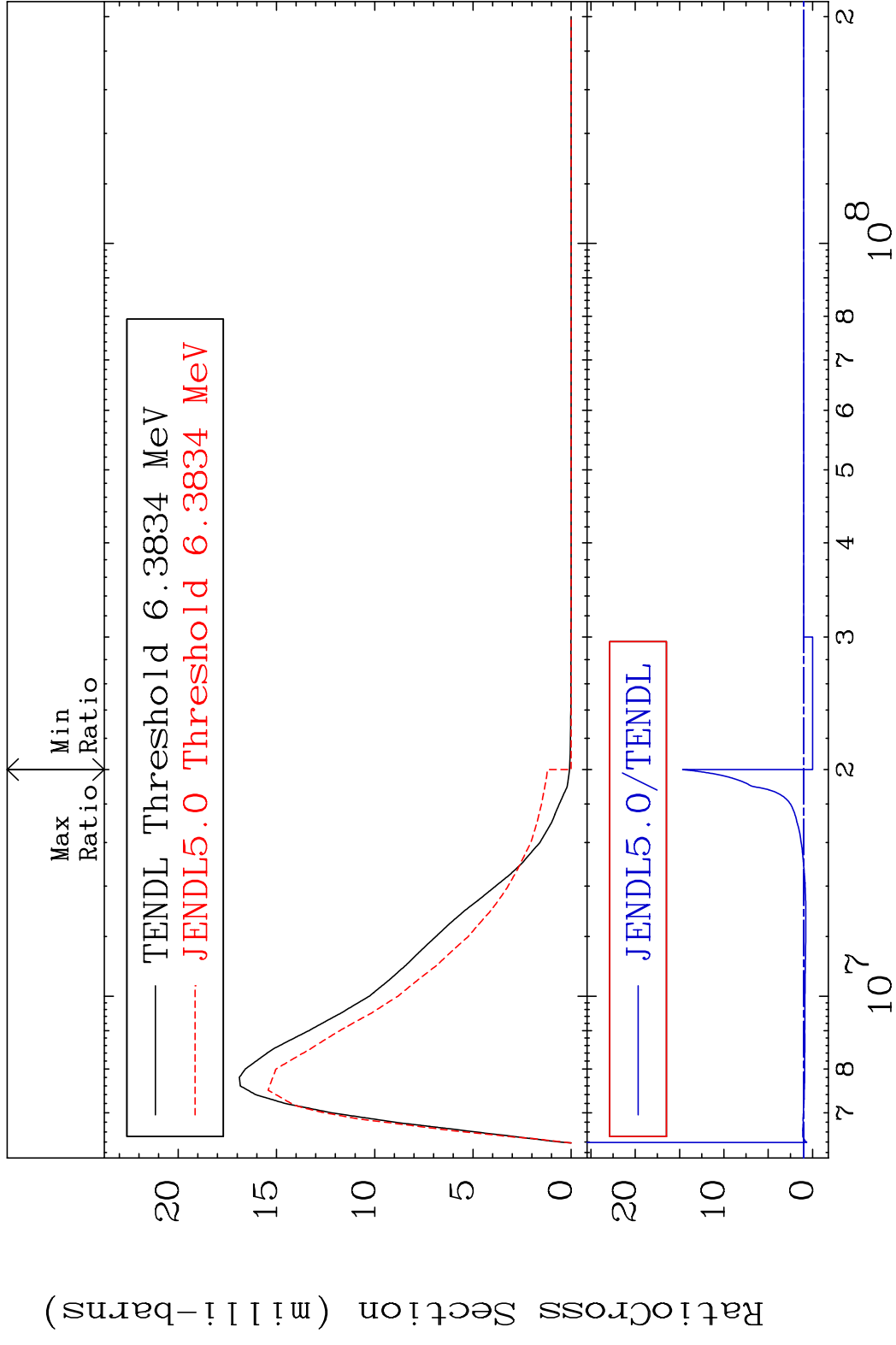


28 Incident Energy (eV) 11-Na-23

MAT 1125 MT= 69 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 1090. %

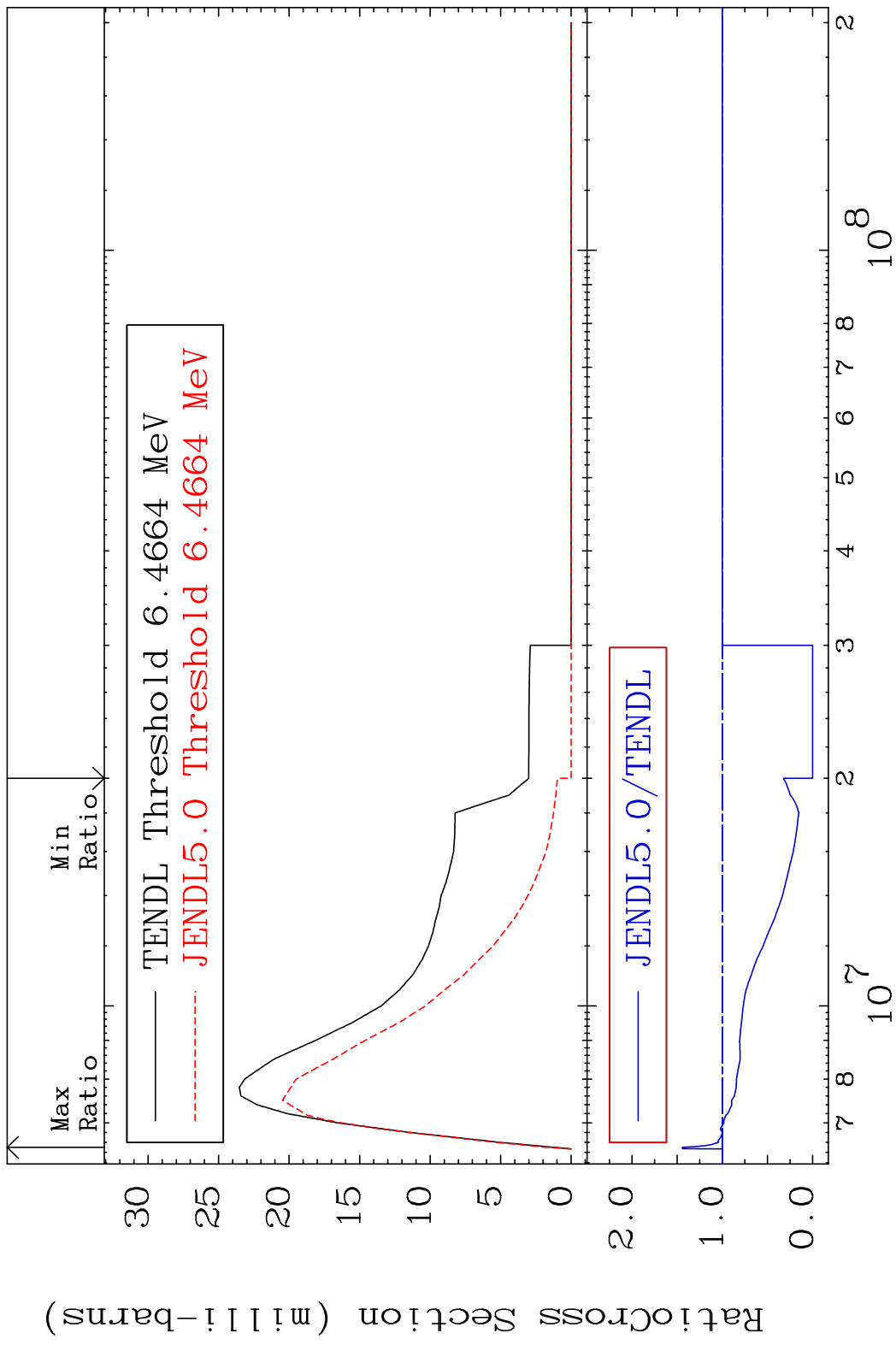


MAT 1125 MT= 70 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 1368. %

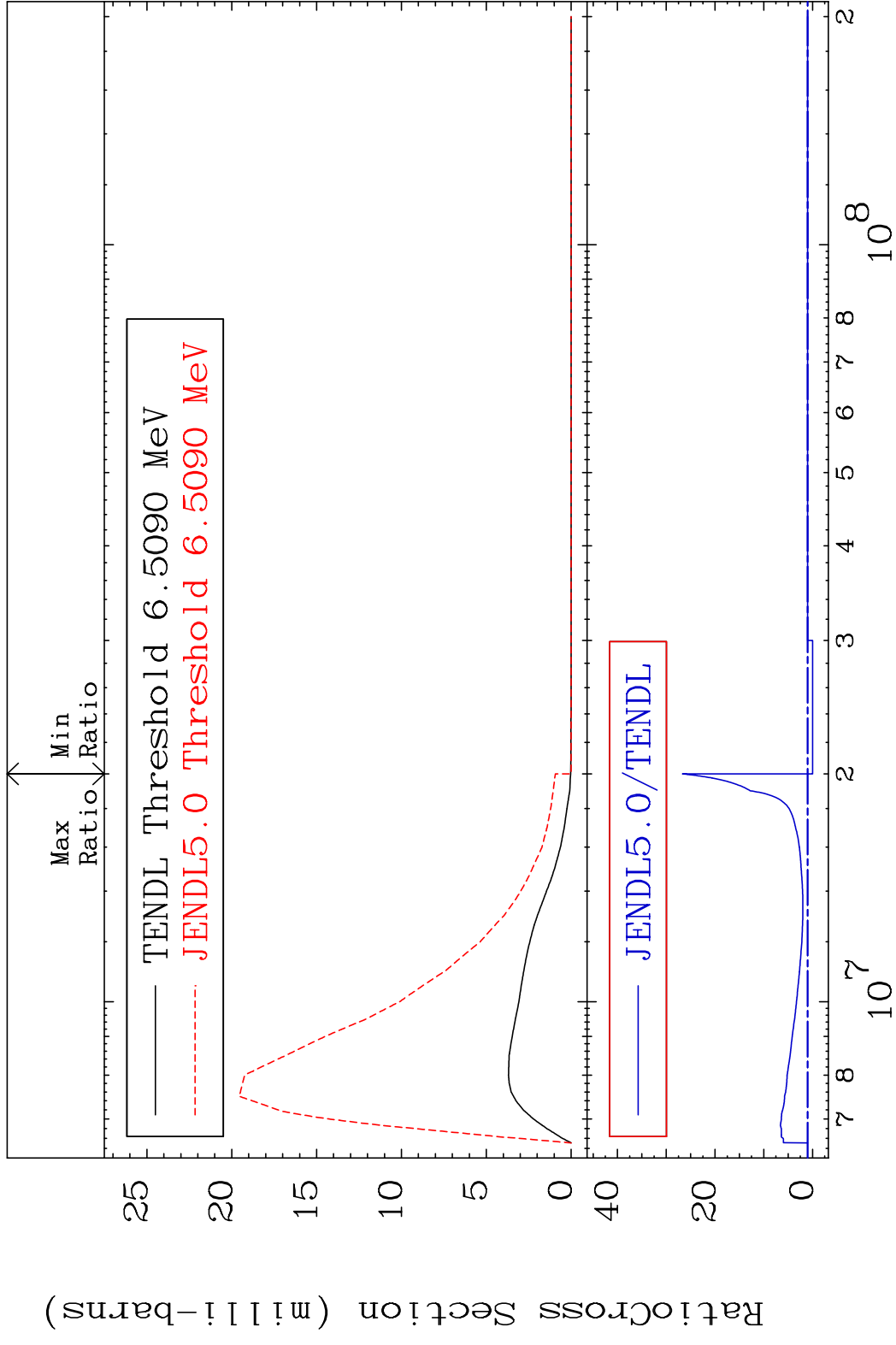


30 Incident Energy (eV) 11-Na-23

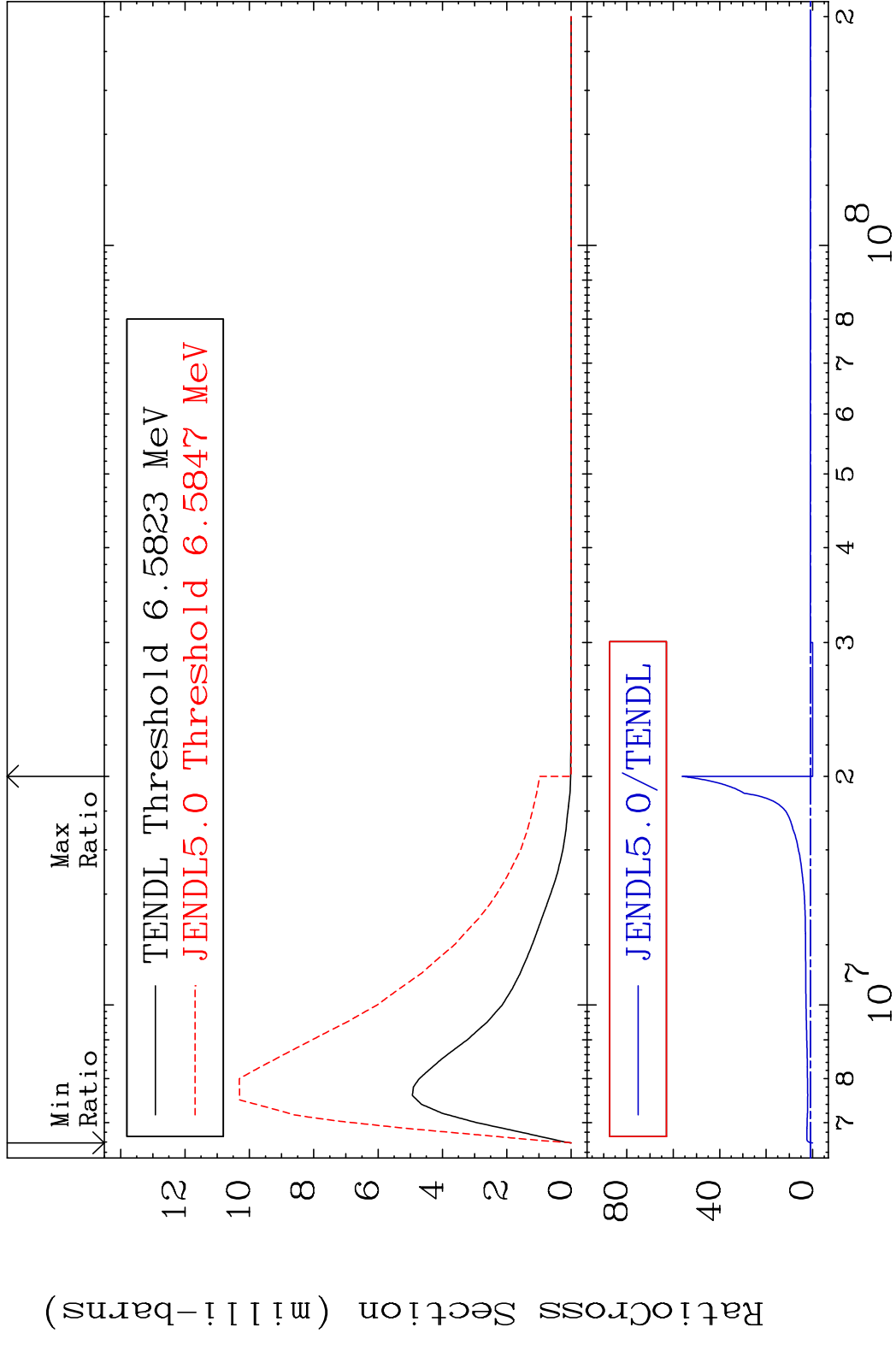
MAT 1125 MT= 71 (n, n') Level 11-Na-23  
 Cross Section -100.0 To 44.13 %



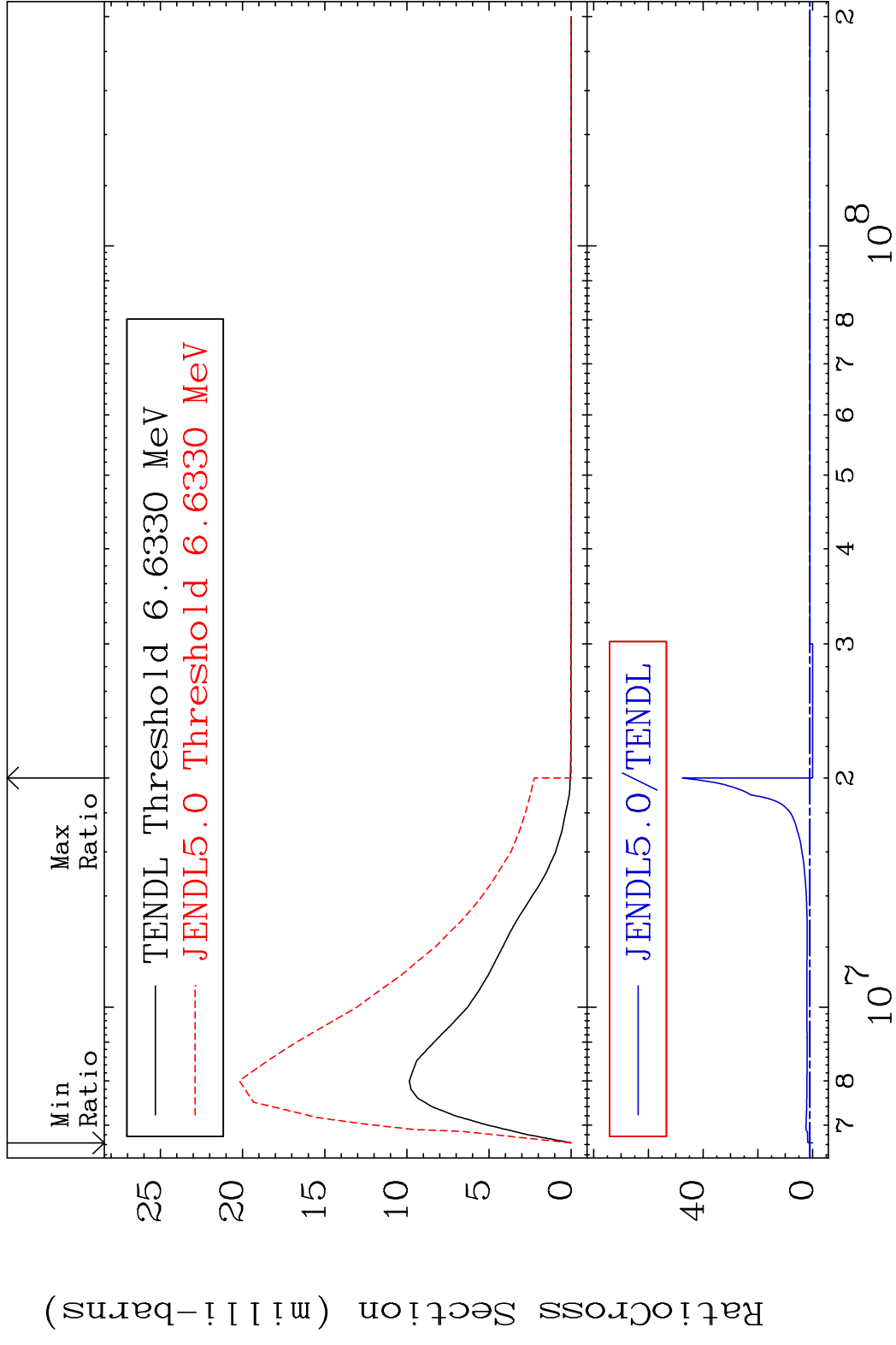
MAT 1125 MT= 72 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 2570. %



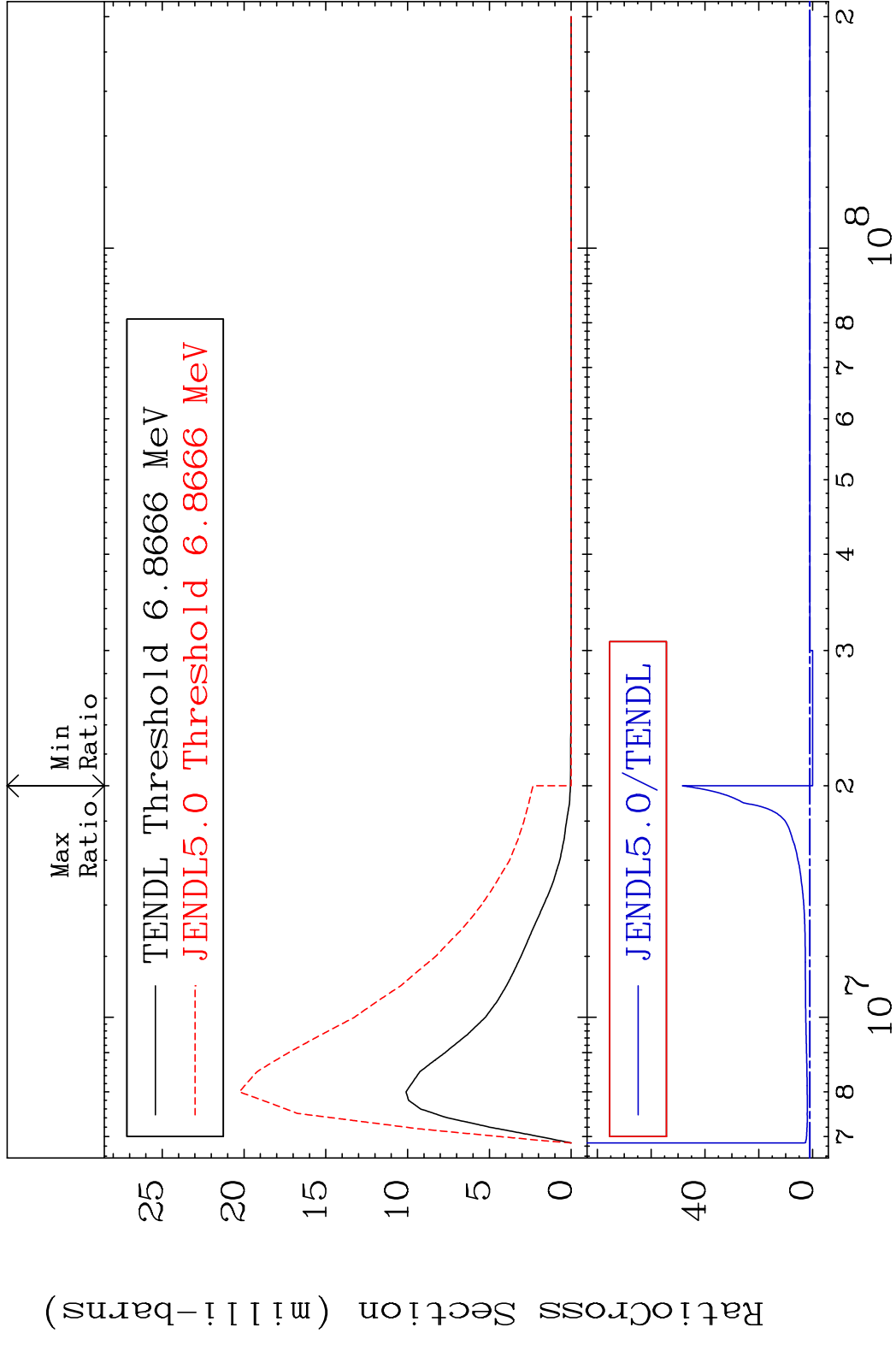
MAT 1125 MT= 73 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 5508. %



MAT 1125 MT= 74 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 4658. %

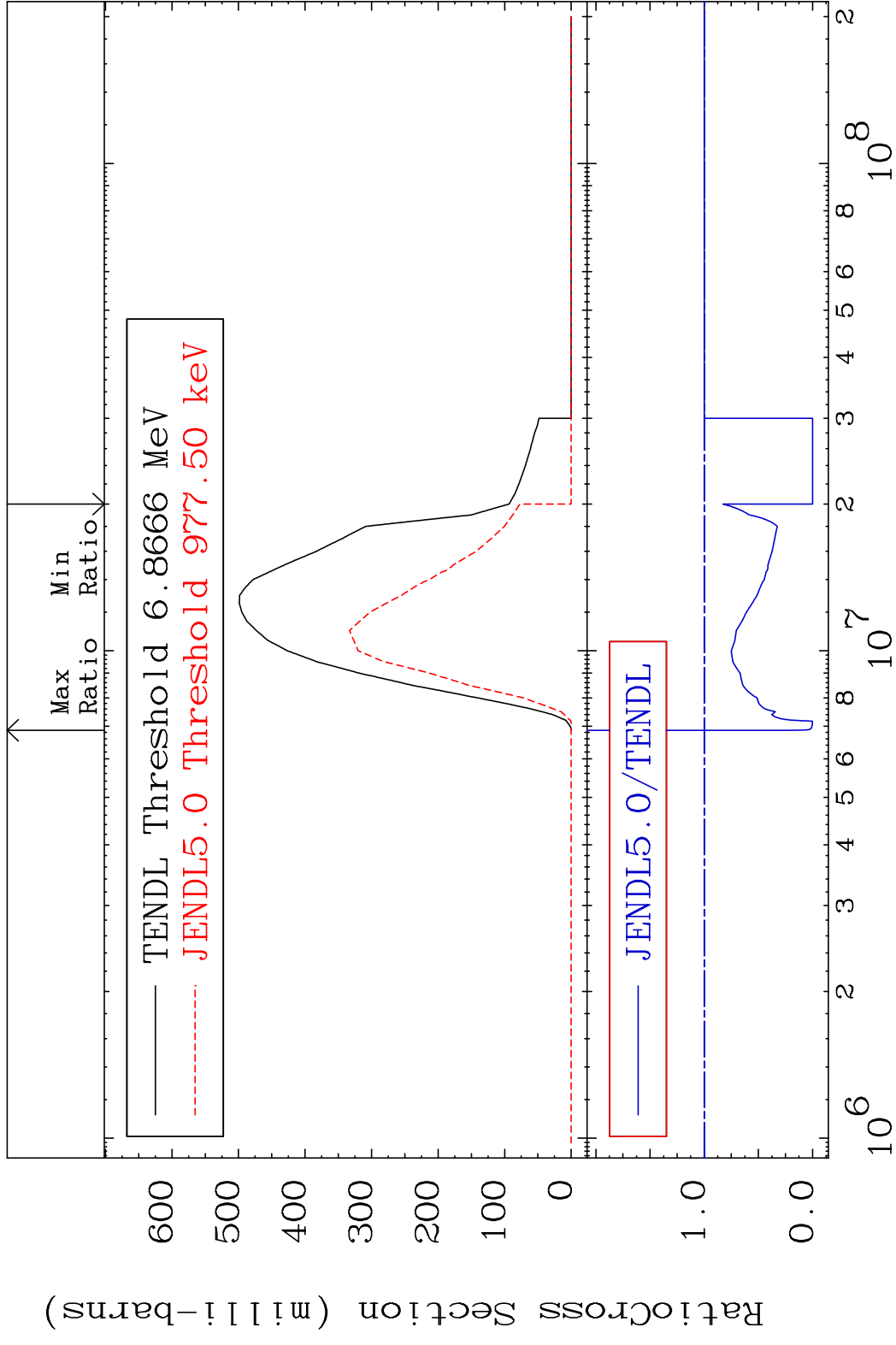


MAT 1125 MT= 75 (n,n') Level 11-Na-23  
 Cross Section -100.0 To 4740. %



35 Incident Energy (eV) 11-Na-23

MAT 1125 (n, n') Continuum 11-Na-23  
 Cross Section -100.0 To 20.17 %

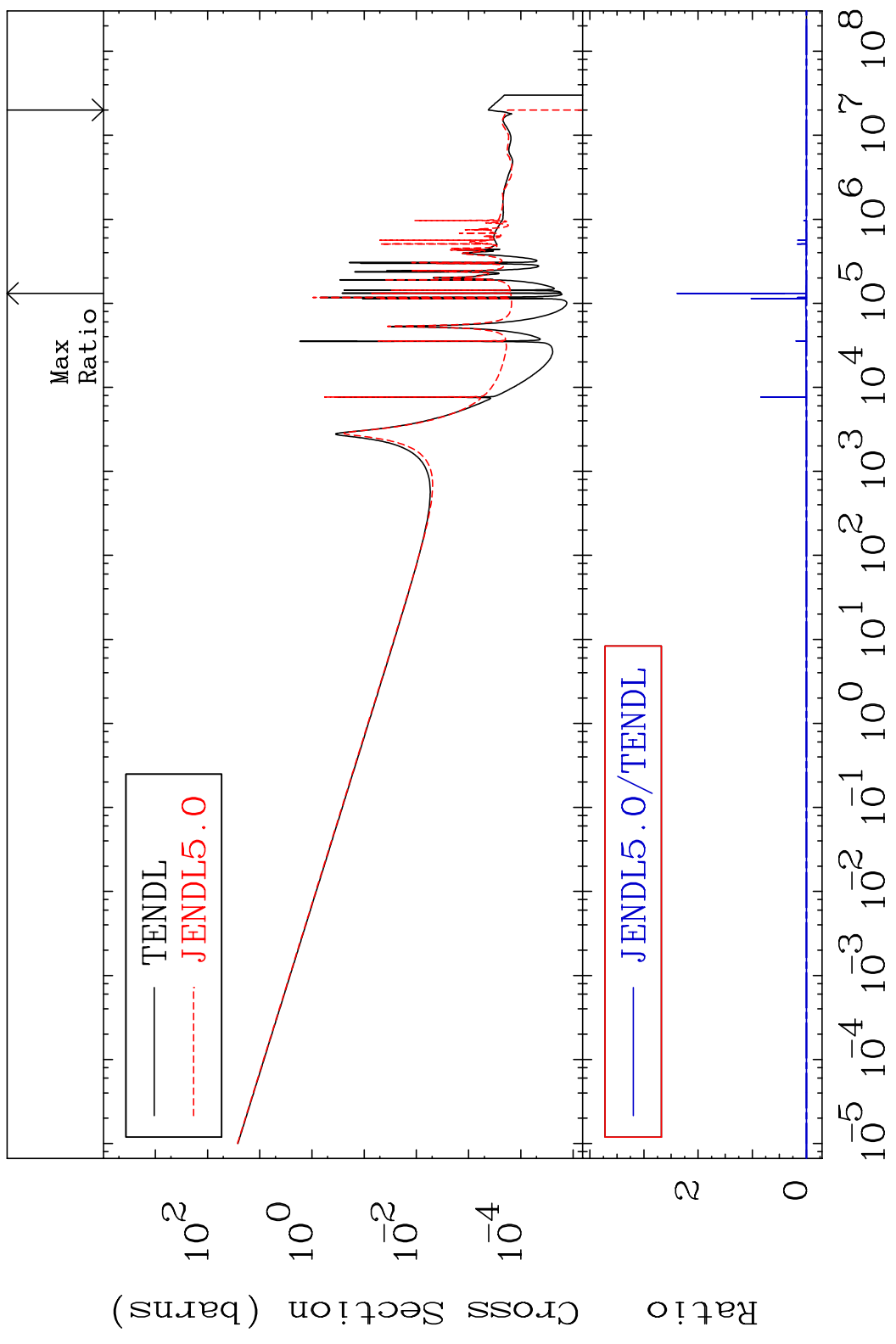


MAT 1125

(n,  $\gamma$ )

11-Na-23

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

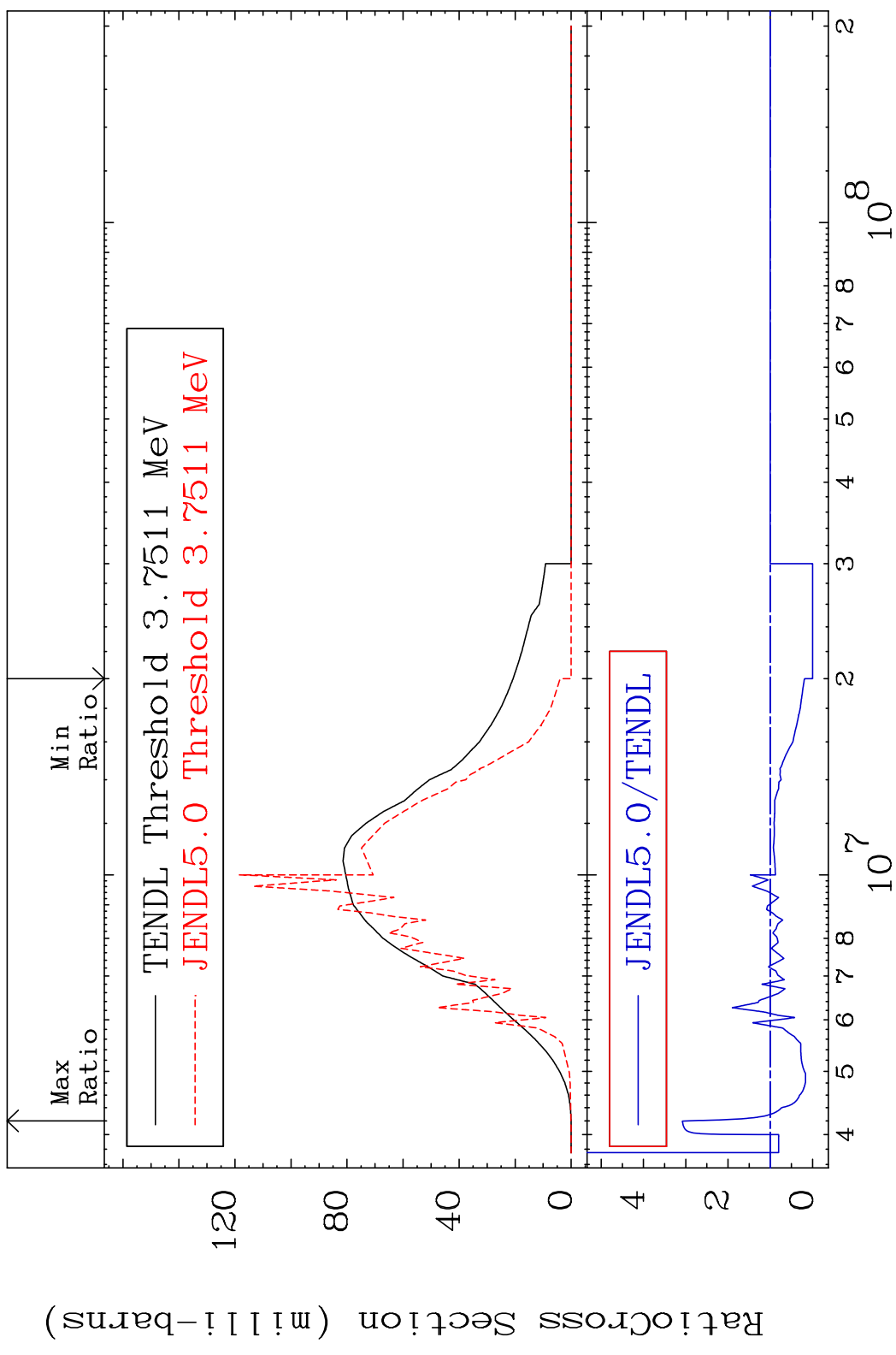
11-Na-23

MAT 1125

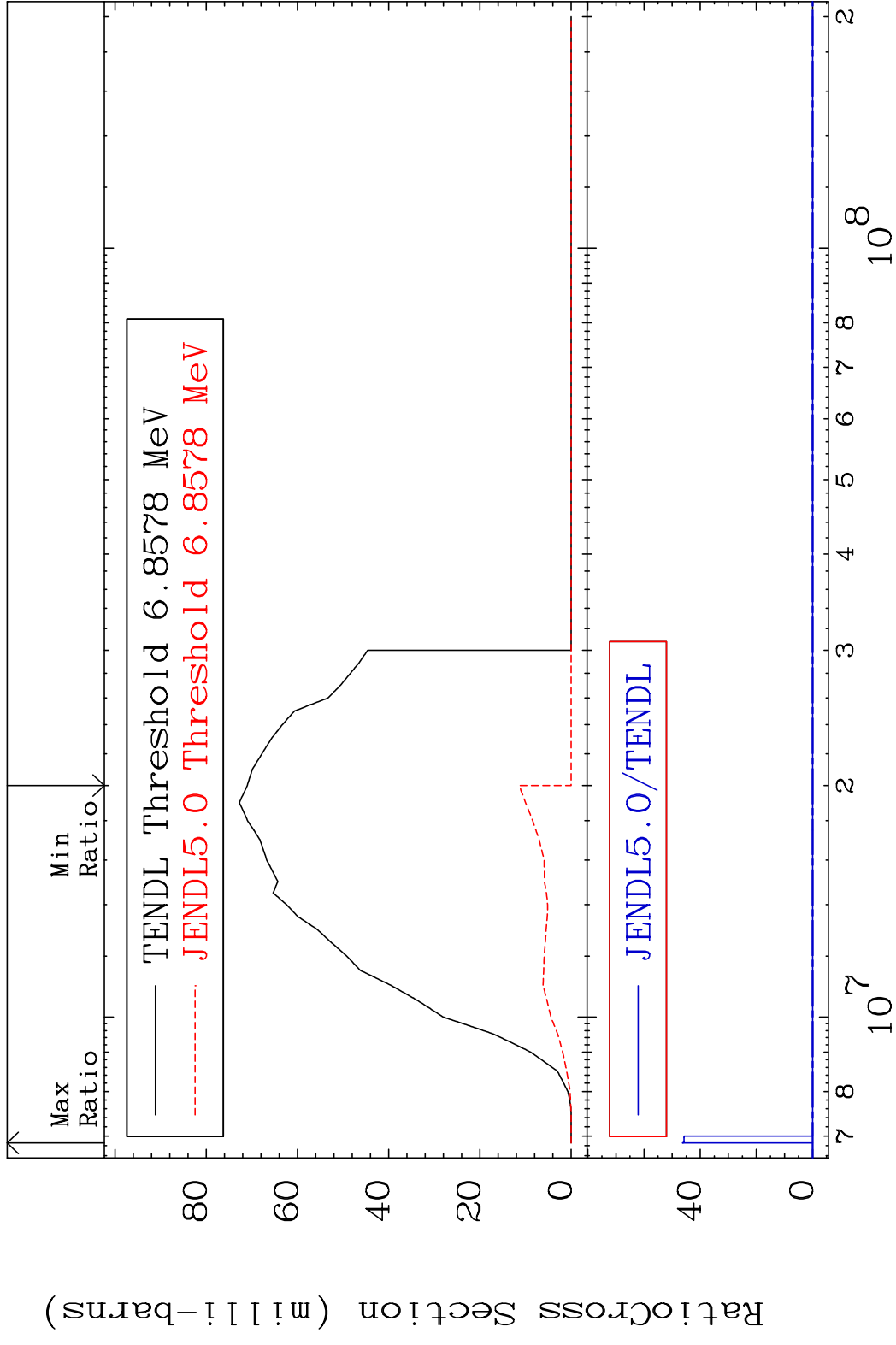
(n,p)

11-Na-23

Cross Section -100.0 To 208.0 %



MAT 1125 (n,d) 11-Na-23  
 Cross Section -100.0 To 9999. %



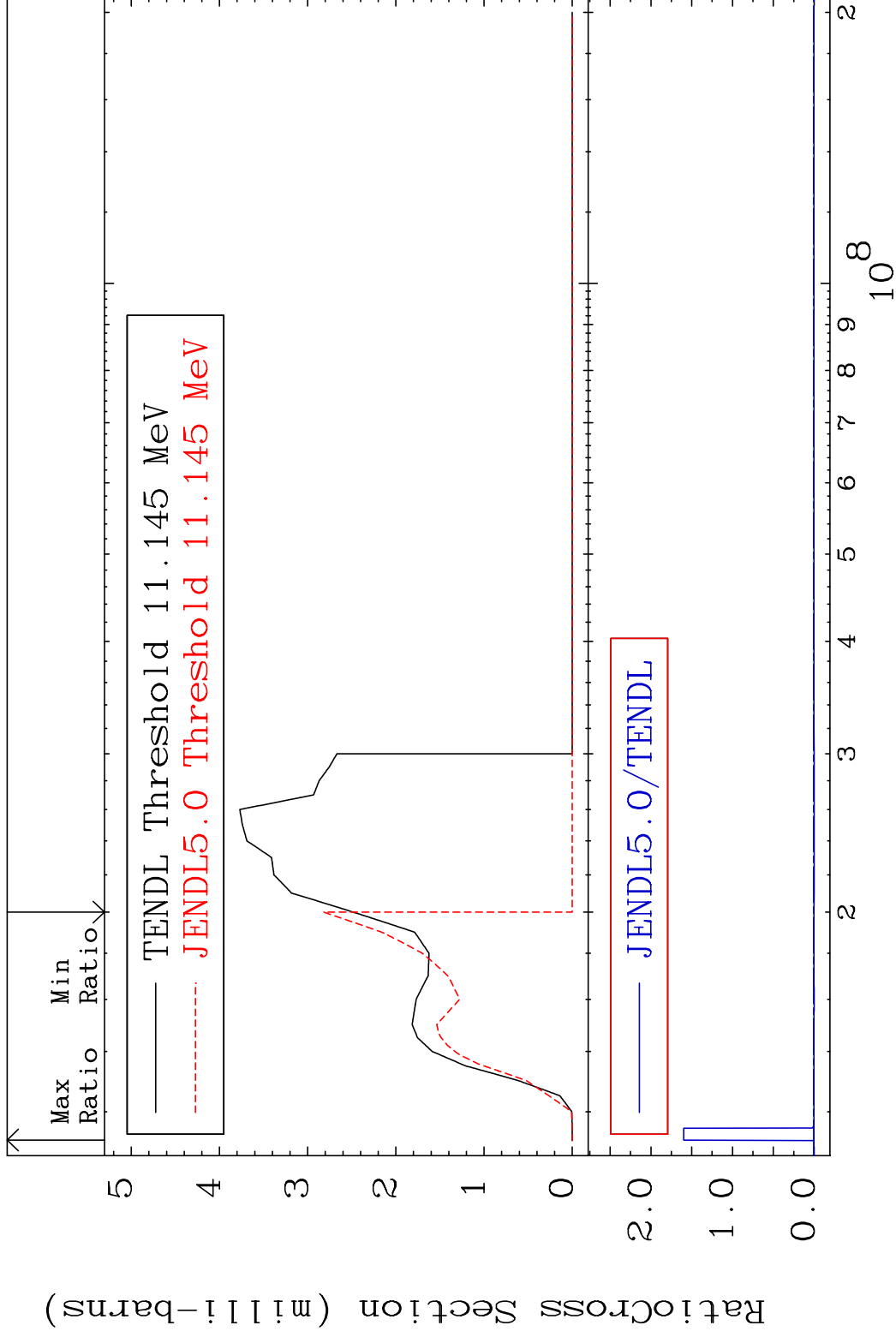
39 Incident Energy (eV) 11-Na-23

MAT 1125

(n, t)

11-Na-23

Cross Section -100.0 To 9999. %



40

Incident Energy (eV)

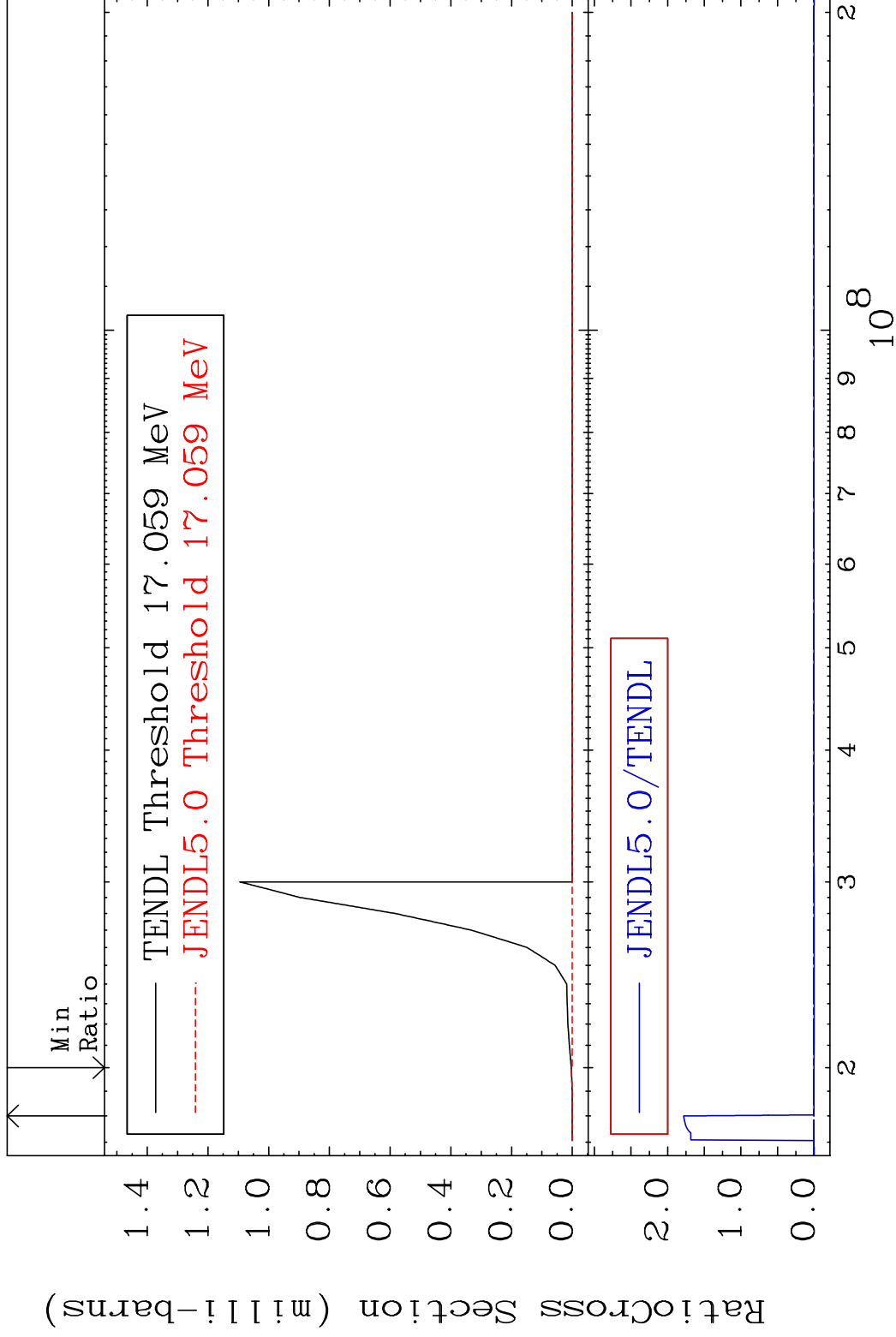
11-Na-23

MAT 1125

(n, He-3)

11-Na-23

Cross Section -100.0 To 9999. %



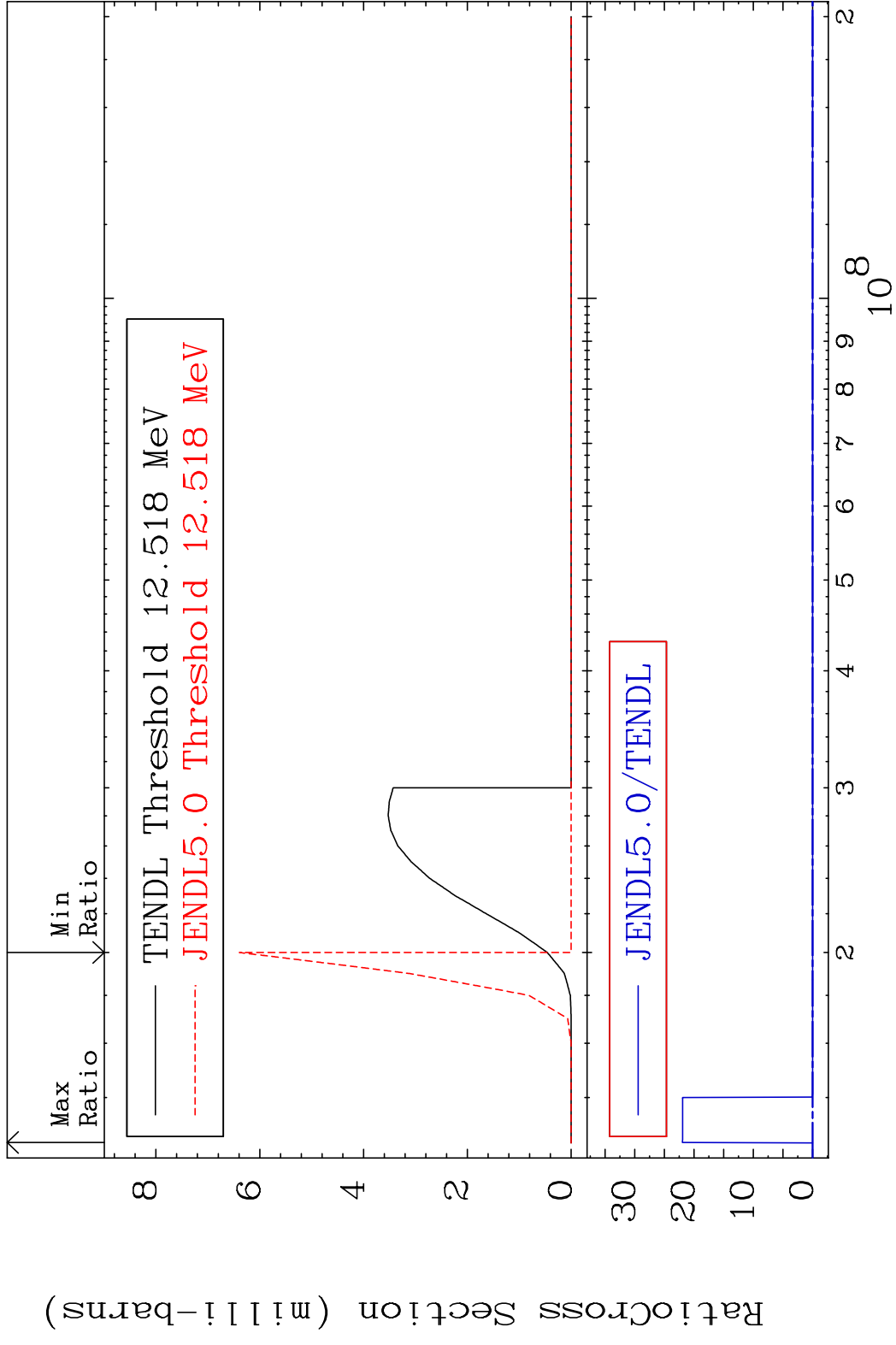
41

Incident Energy (eV)

11-Na-23



MAT 1125 (n,2α) 11-Na-23  
 Cross Section -100.0 To 9999. %



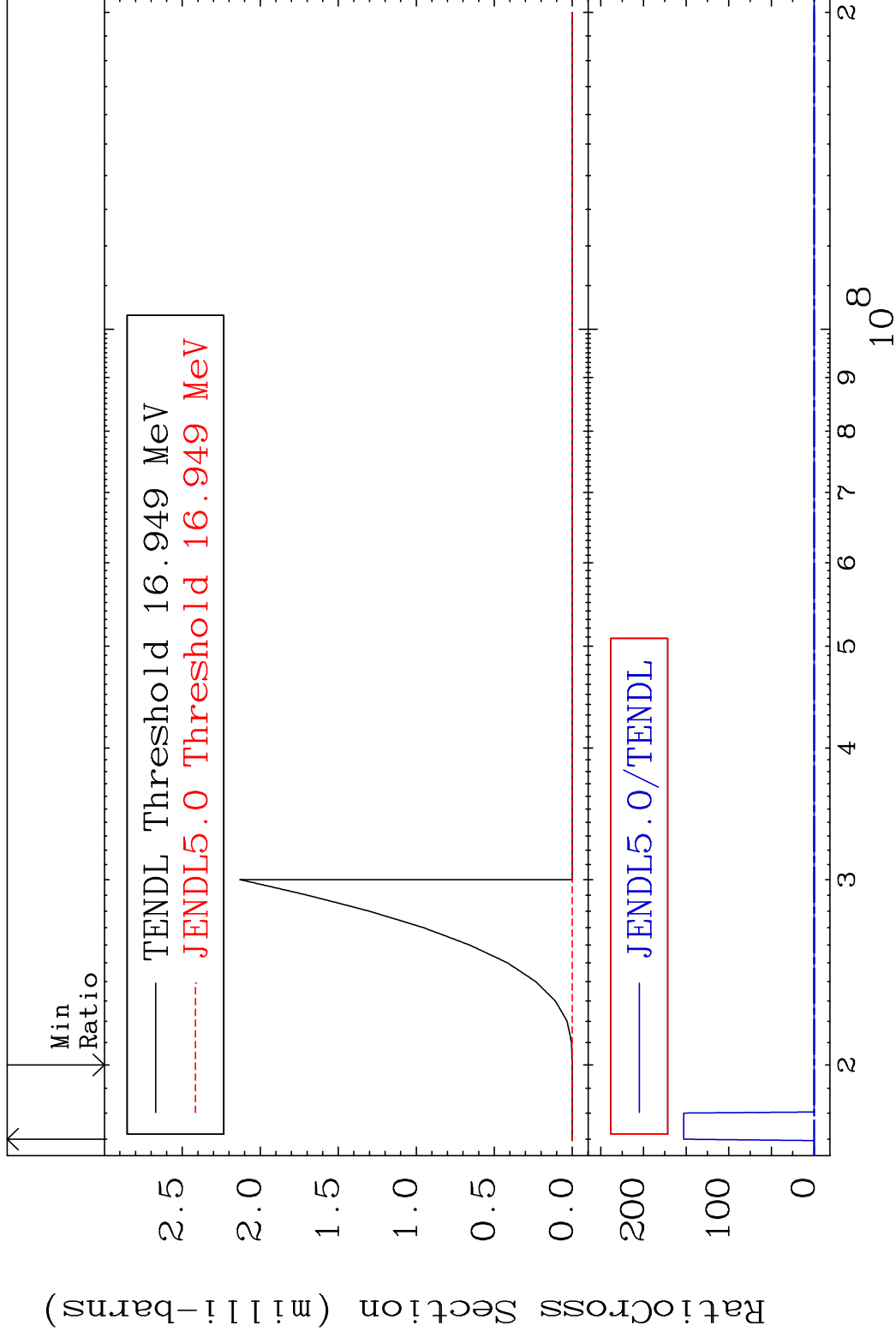


MAT 1125

(n,d)  $\alpha$

11-Na-23

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

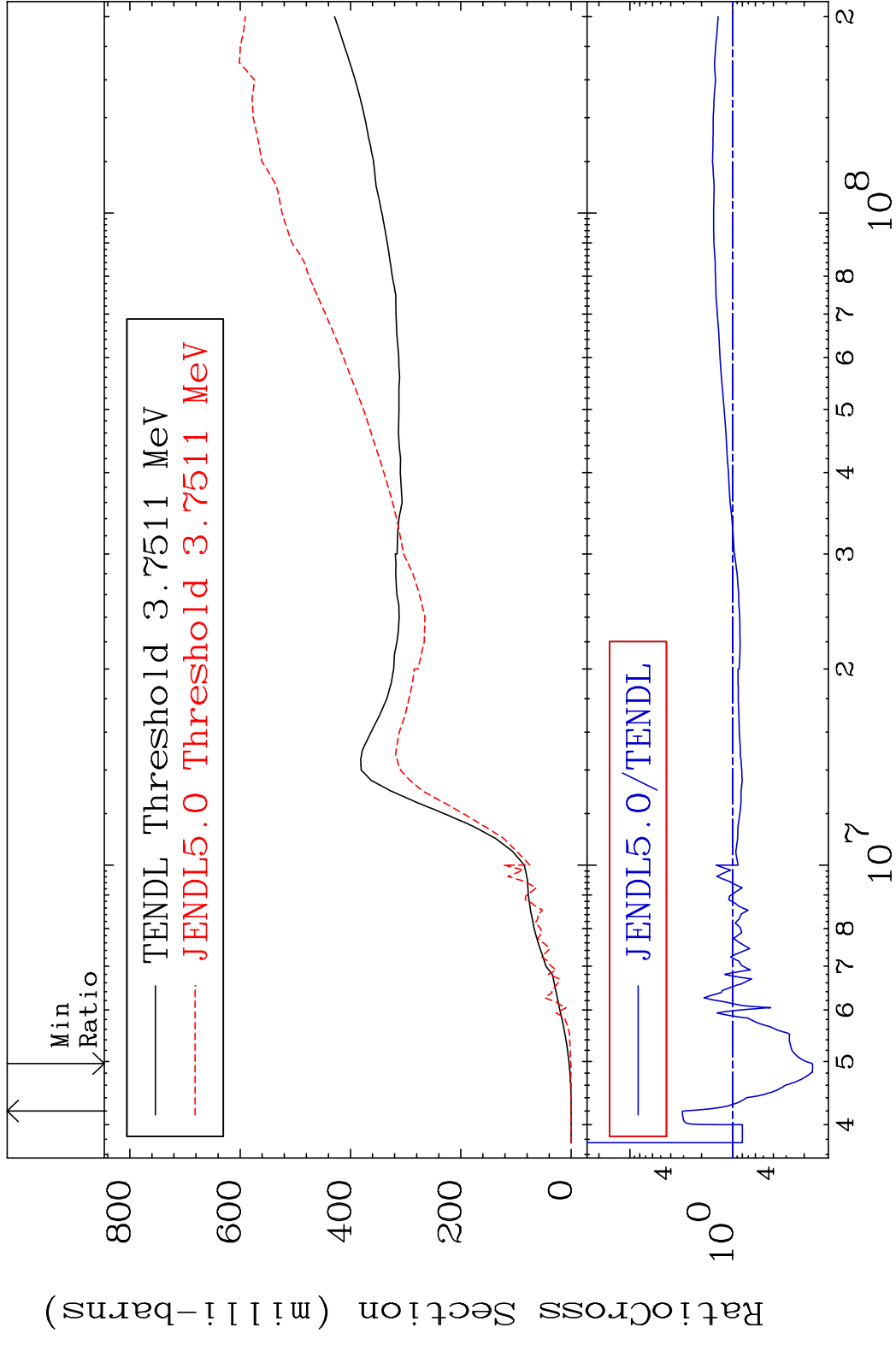
11-Na-23

MAT 1125

Hydrogen Production

11-Na-23

Cross Section -83.39 To 208.0 %



46

Incident Energy (eV)

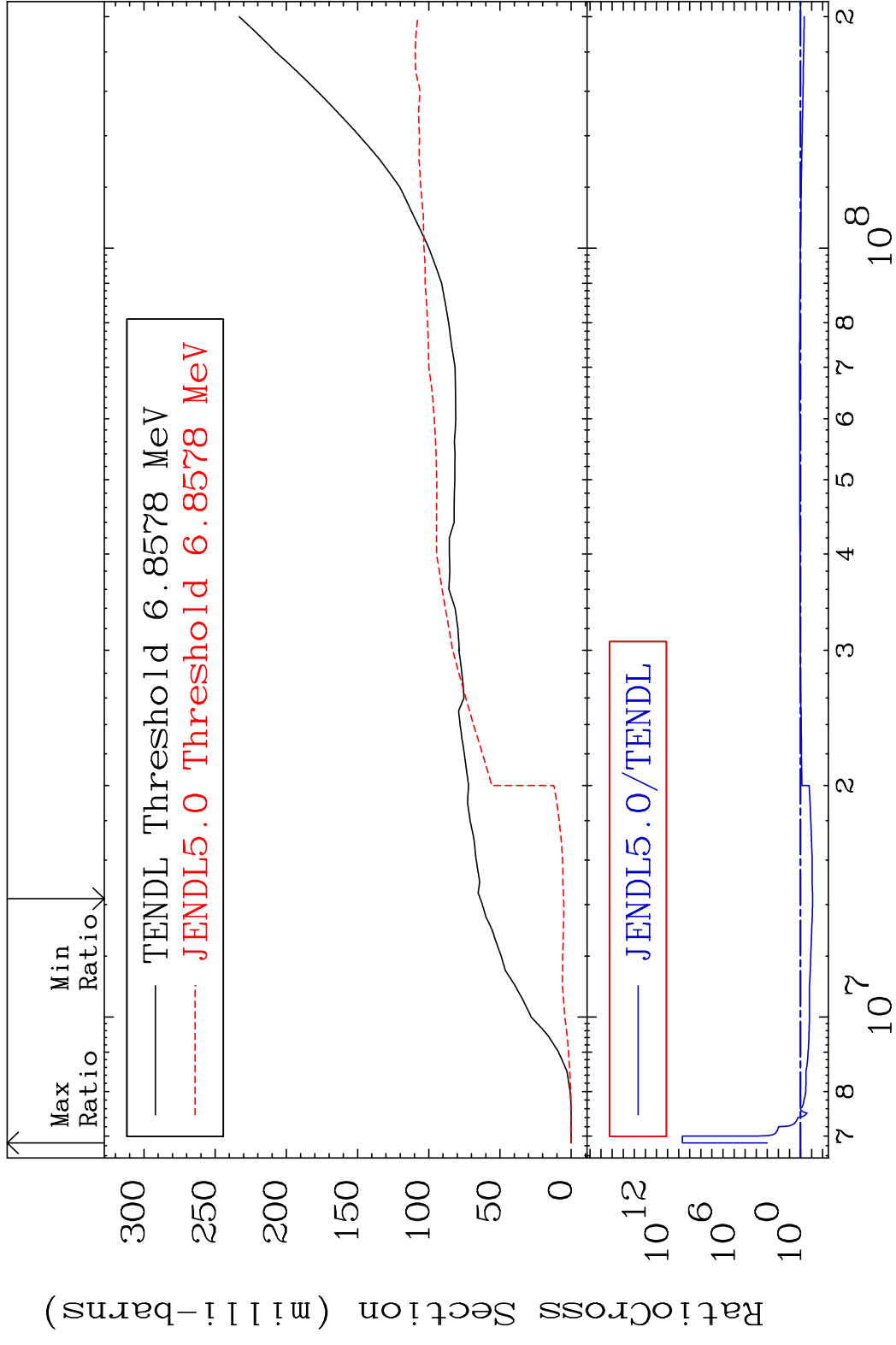
11-Na-23

MAT 1125

Deuterium Production

11-Na-23

Cross Section -91.73 To 9999. %



47

Incident Energy (eV)

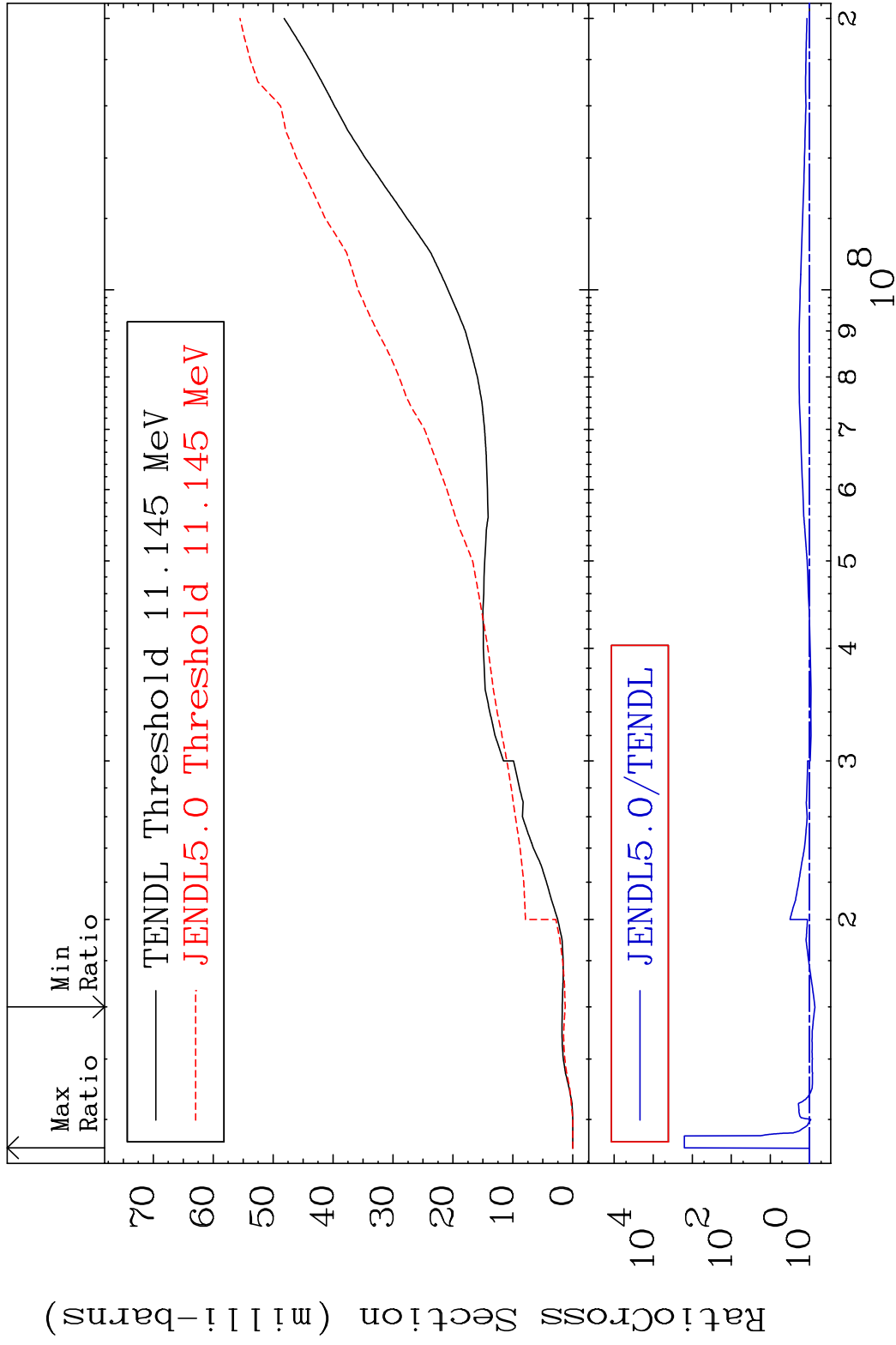
11-Na-23

MAT 1125

Tritium Production

11-Na-23

Cross Section -27.83 To 9999. %



48

Incident Energy (eV)

11-Na-23

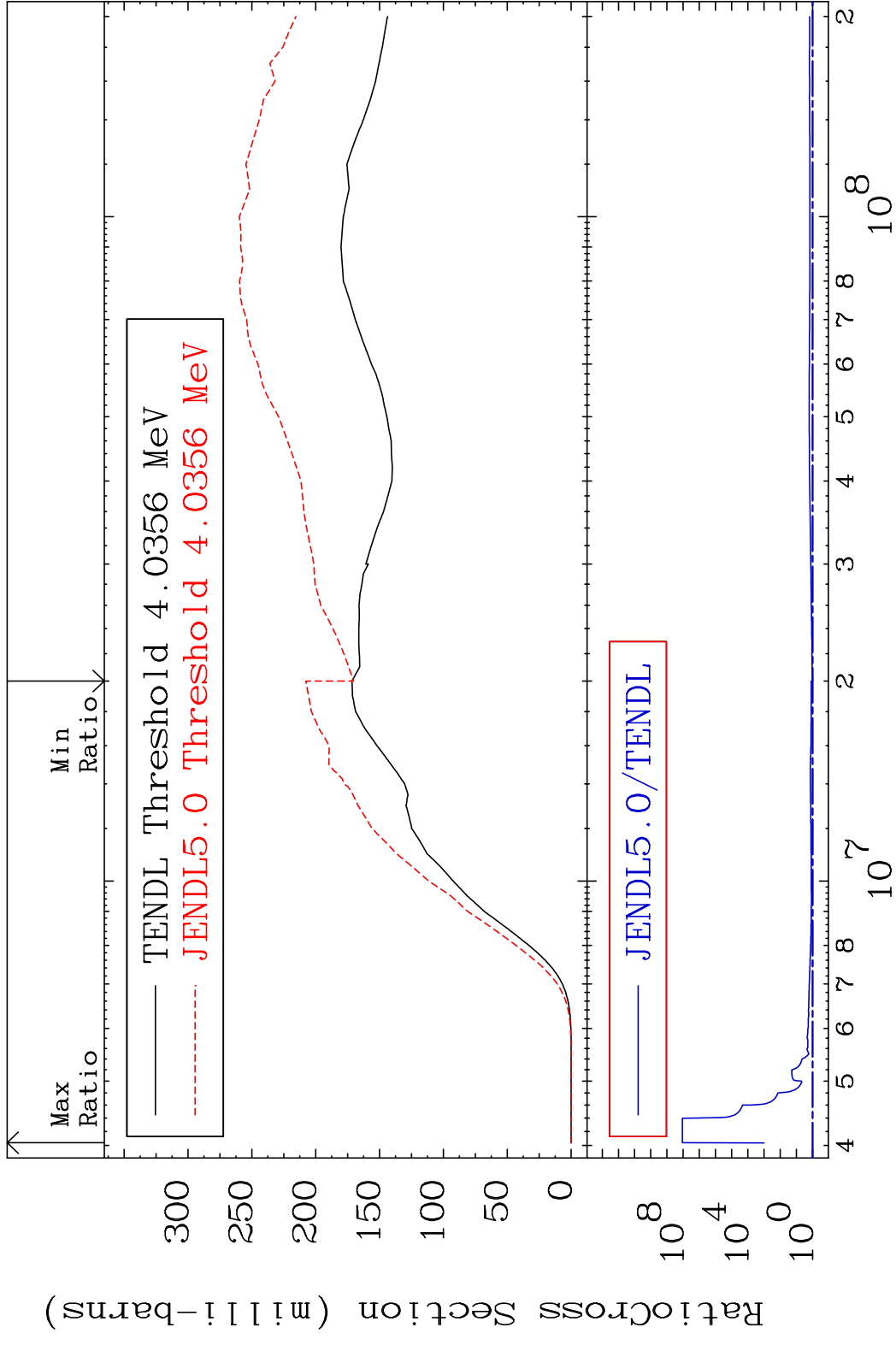


MAT 1125

He-4 Production

11-Na-23

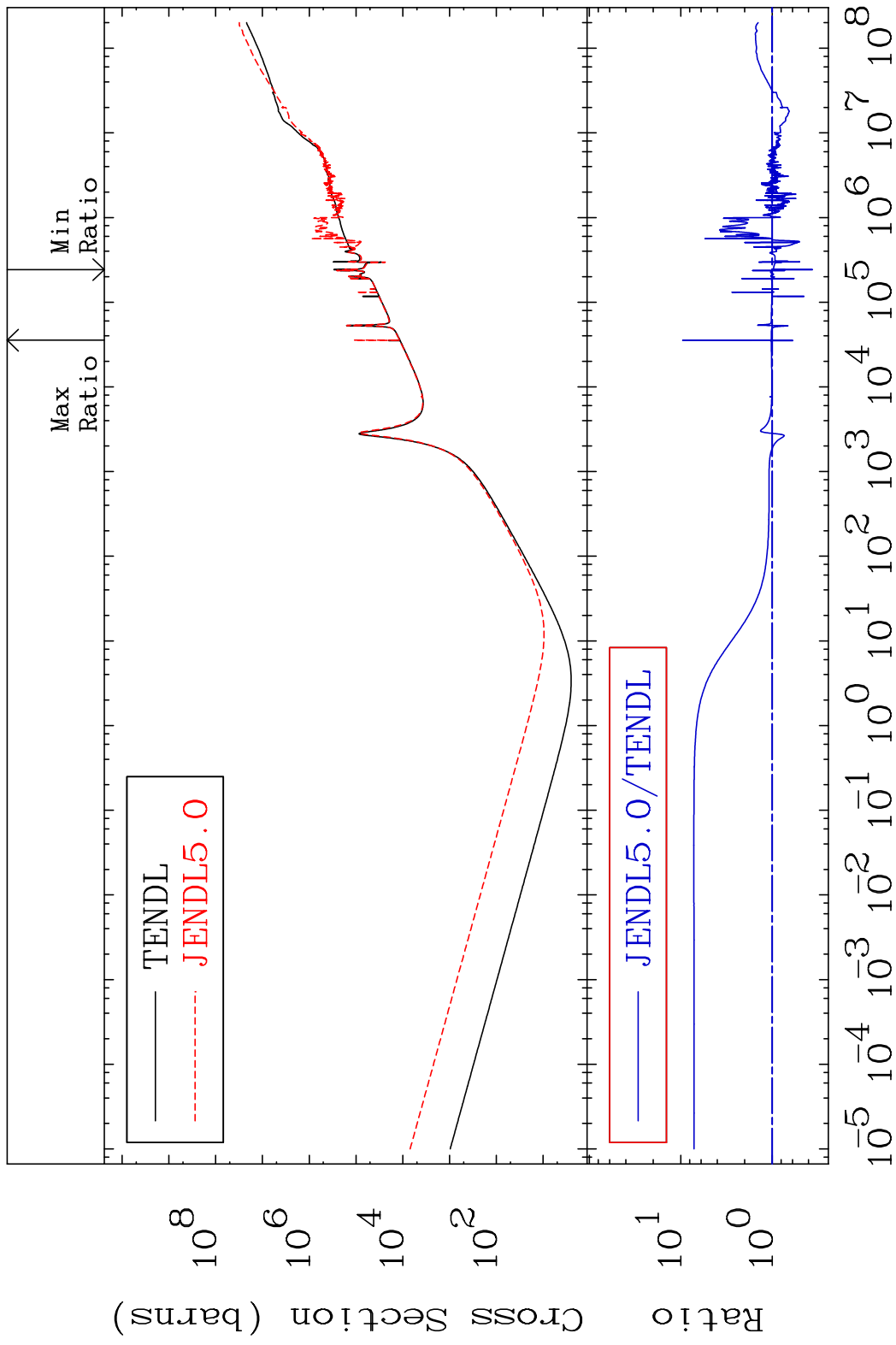
Cross Section -0.773 To 9999. %



50

11-Na-23

MAT 1125 Kerma total (eV-barns) 11-Na-23  
 Cross Section -63.83 To 862.0 %

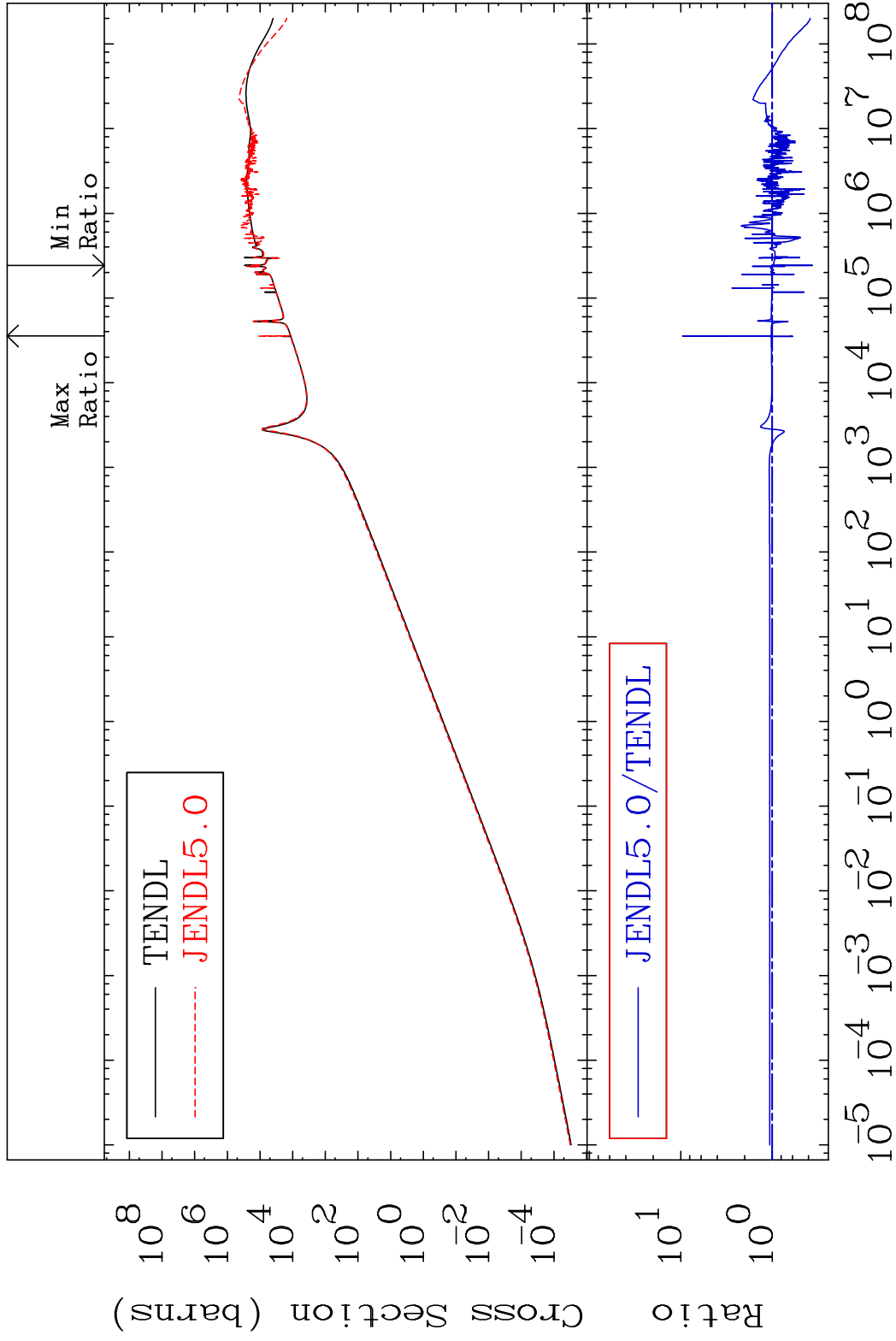


MAT 1125

Kerma elastic

11-Na-23

Cross Section -63.83 To 861.8 %

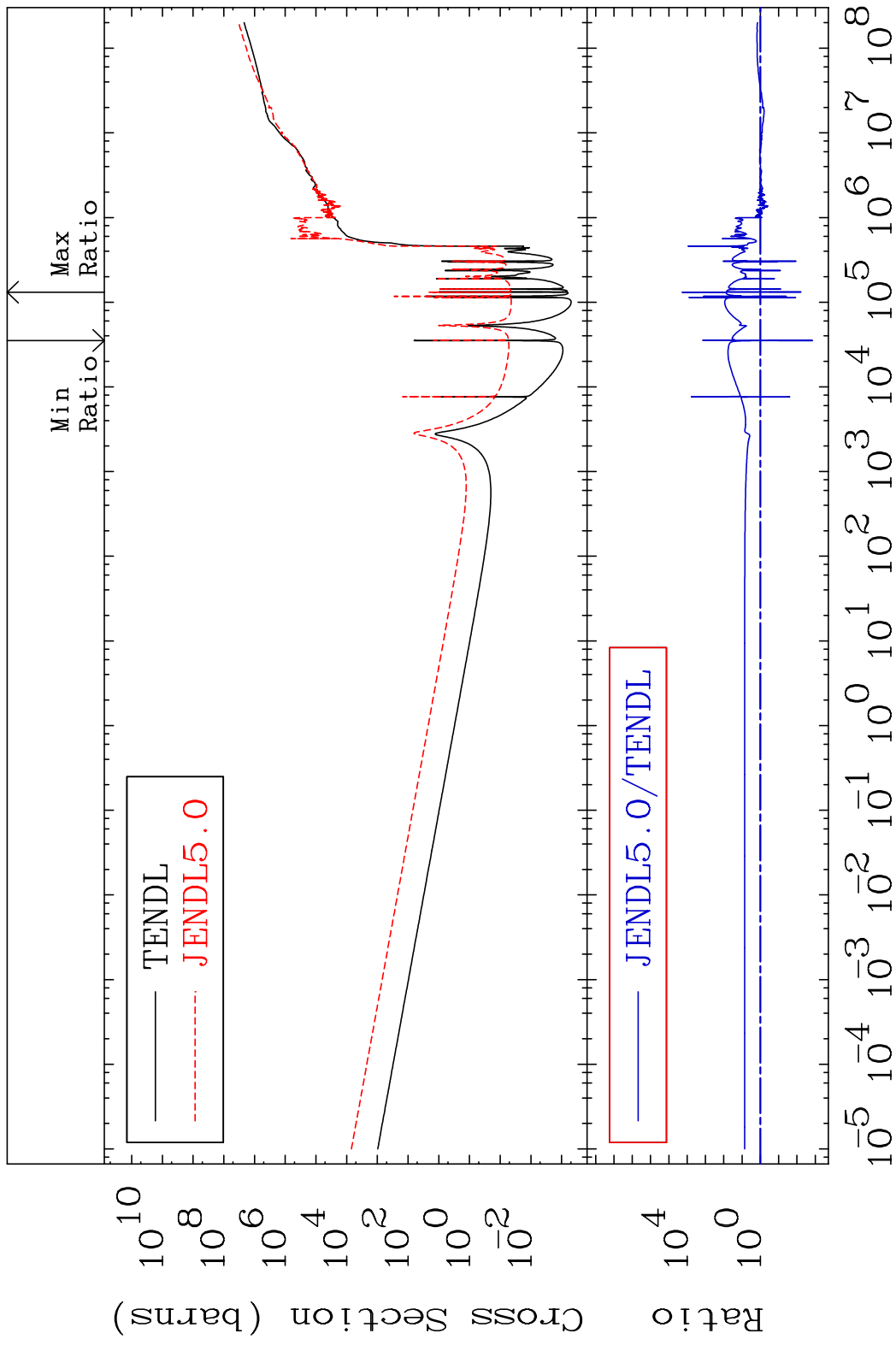


52

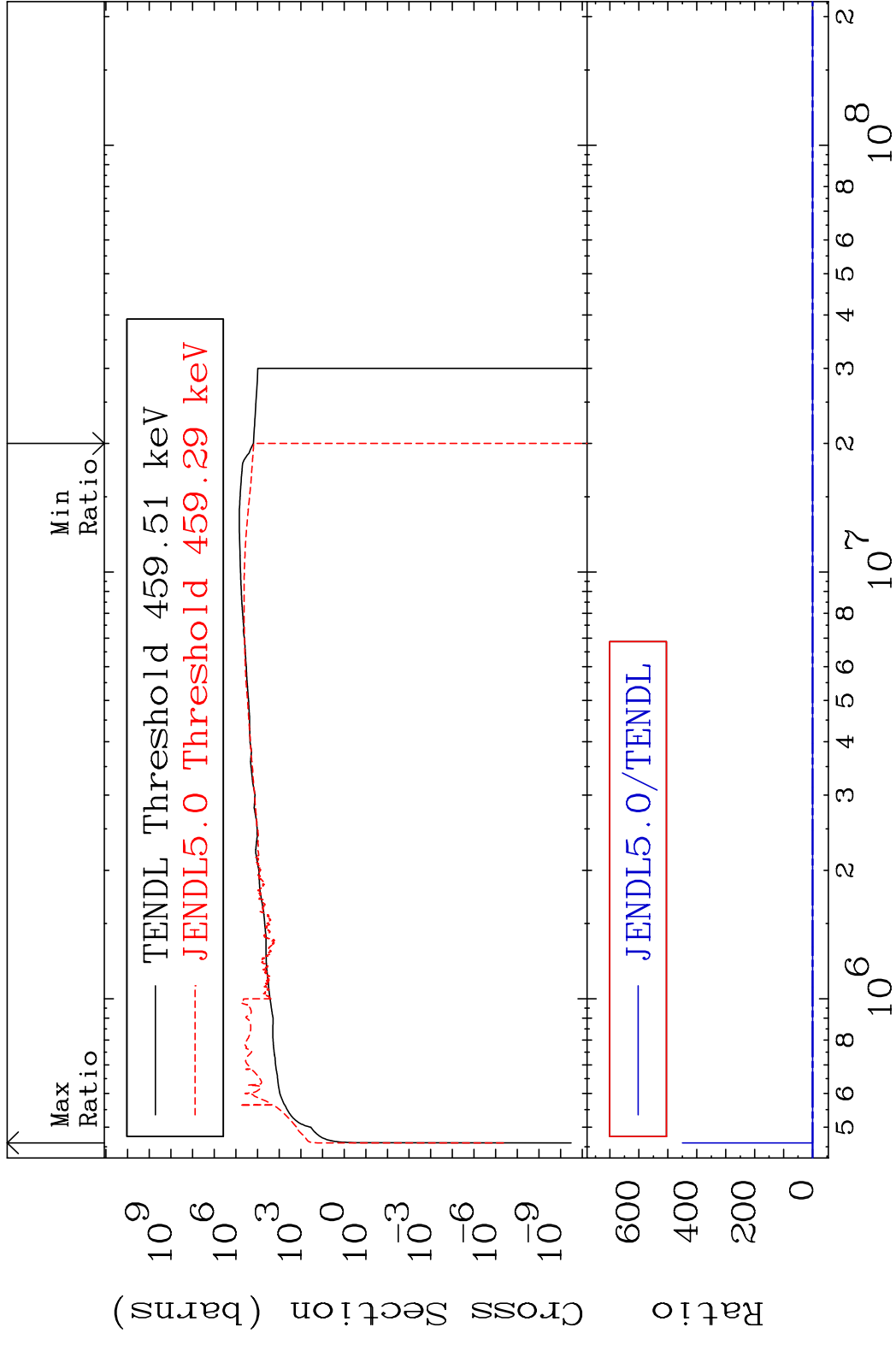
Incident Energy (eV)

11-Na-23

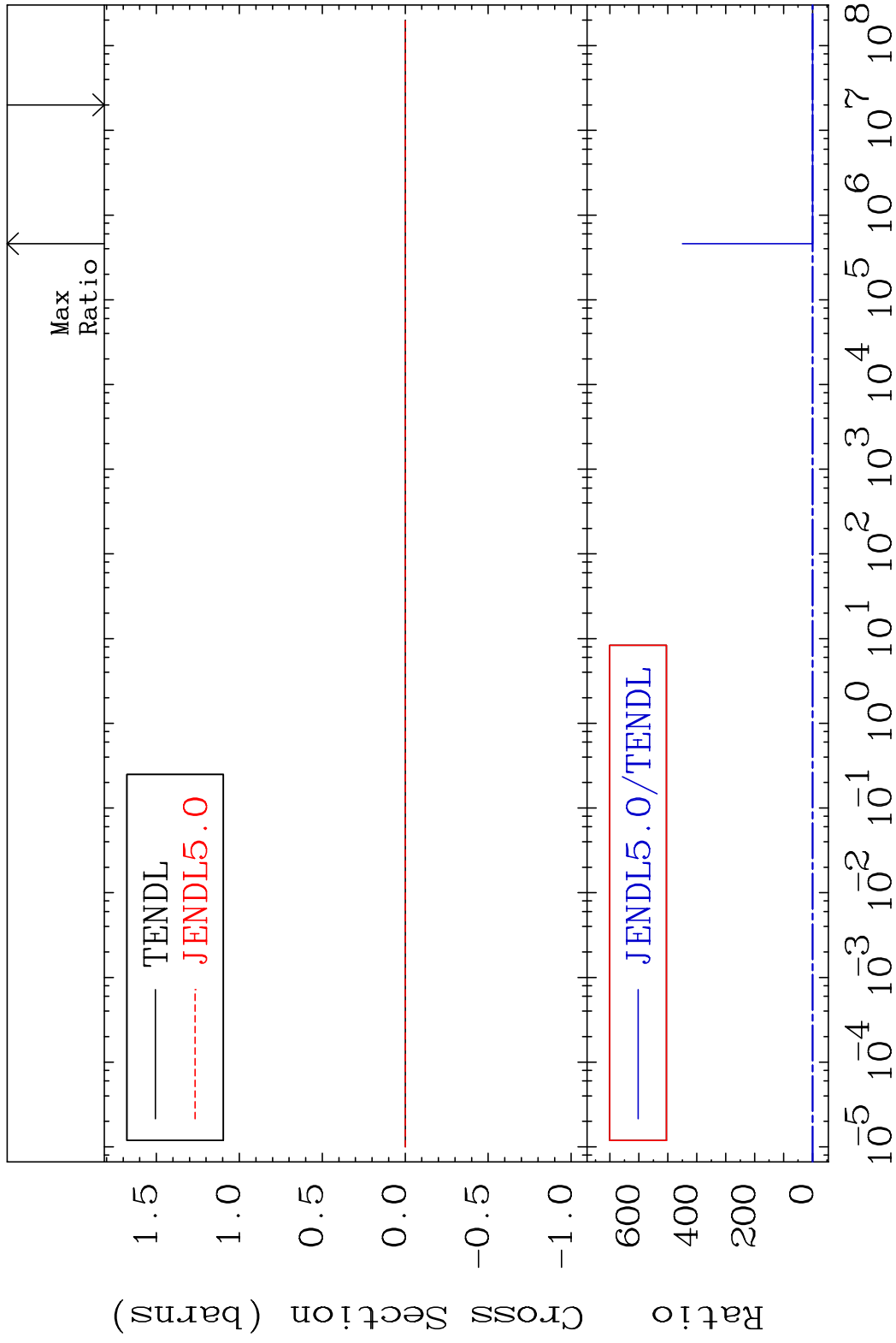
MAT 1125 Kerma non-elastic (all but mt2) 11-Na-23  
 Cross Section -99.86 To 9999. %



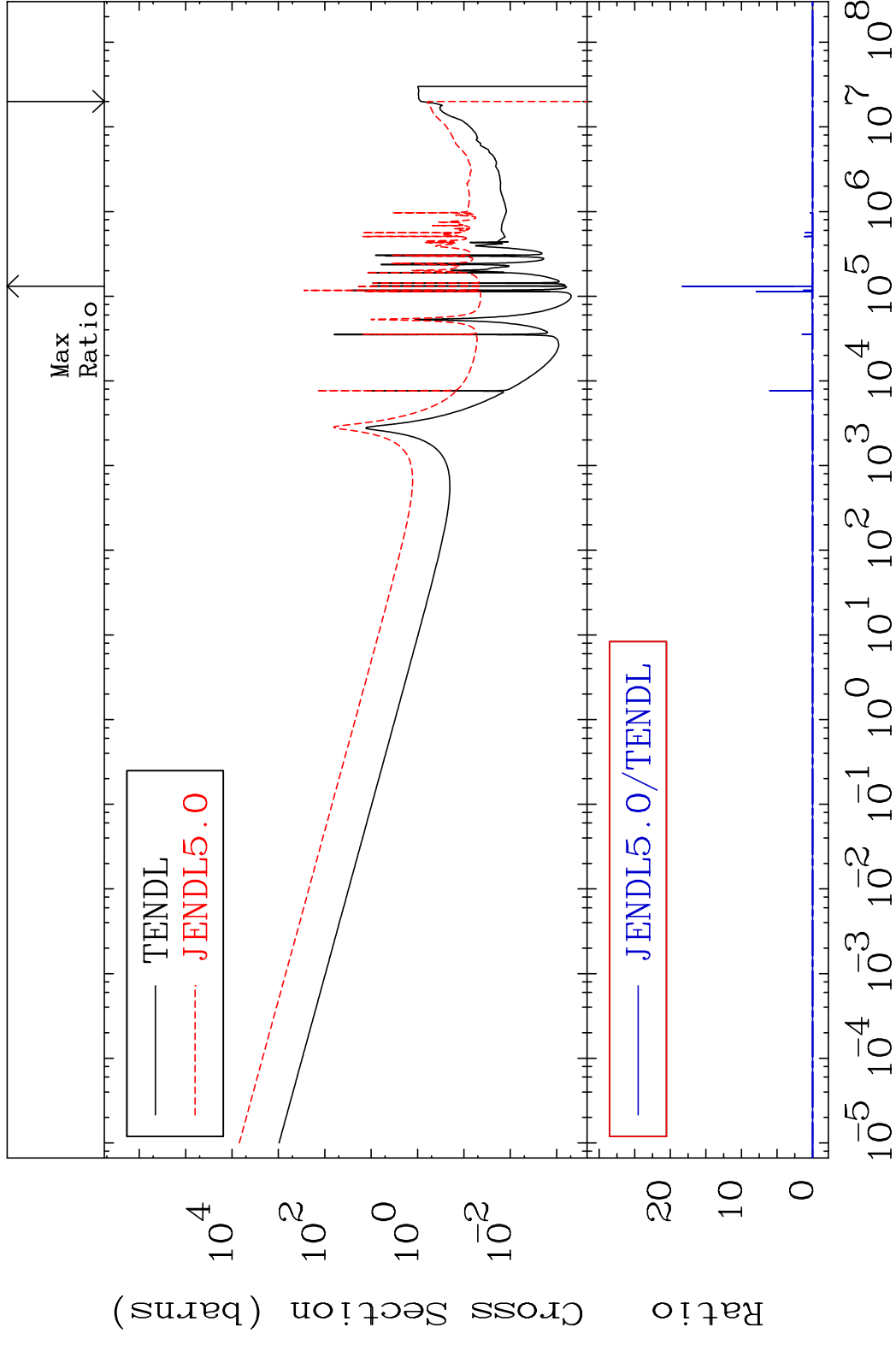
MAT 1125 Kerma inelastic (mt51-91) 11-Na-23  
 Cross Section -100.0 To 9999. %



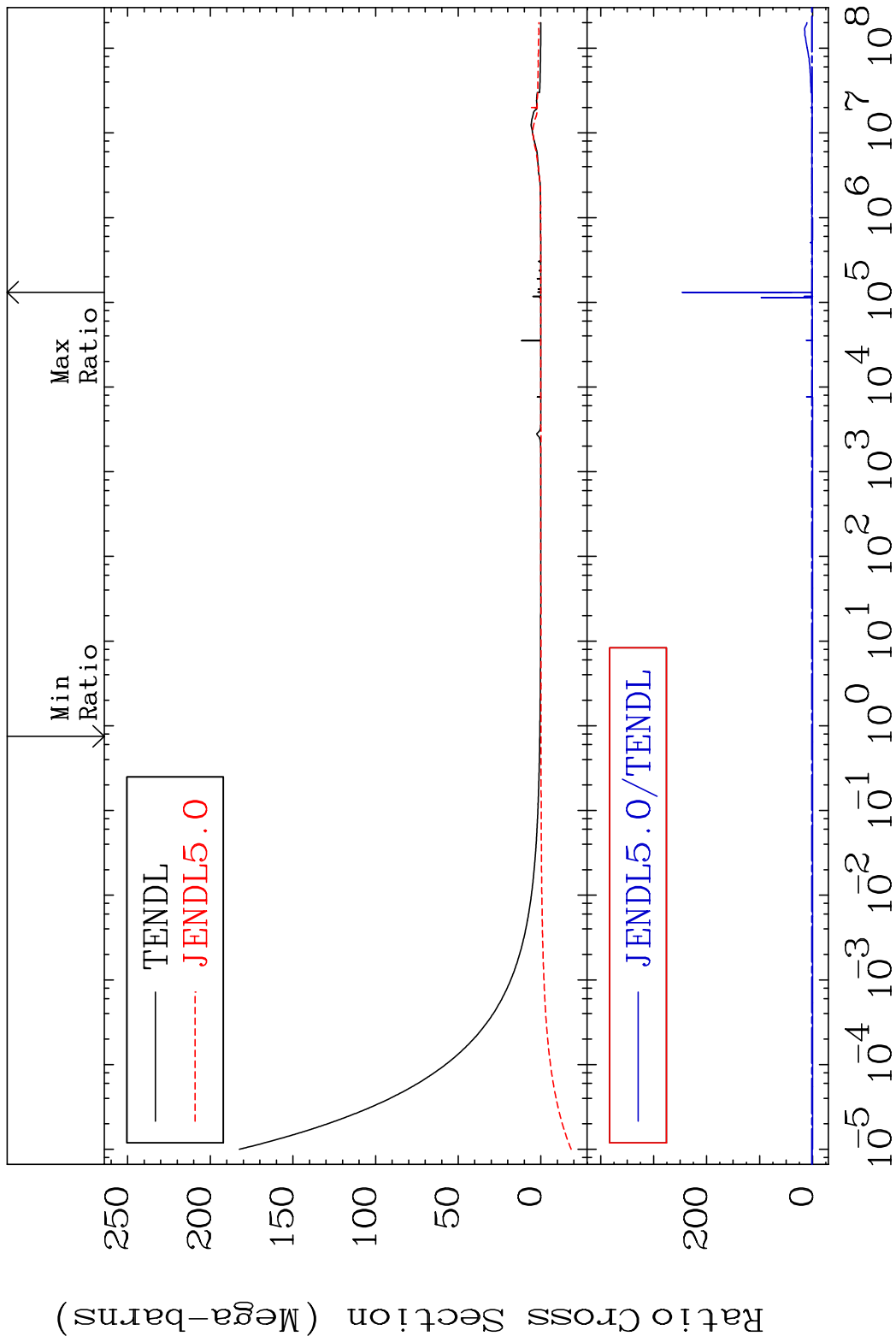
MAT 1125 Kerma fission (mt18 or mt19-20-21-38) 11-Na-23  
 Cross Section -100.0 To 9999. %



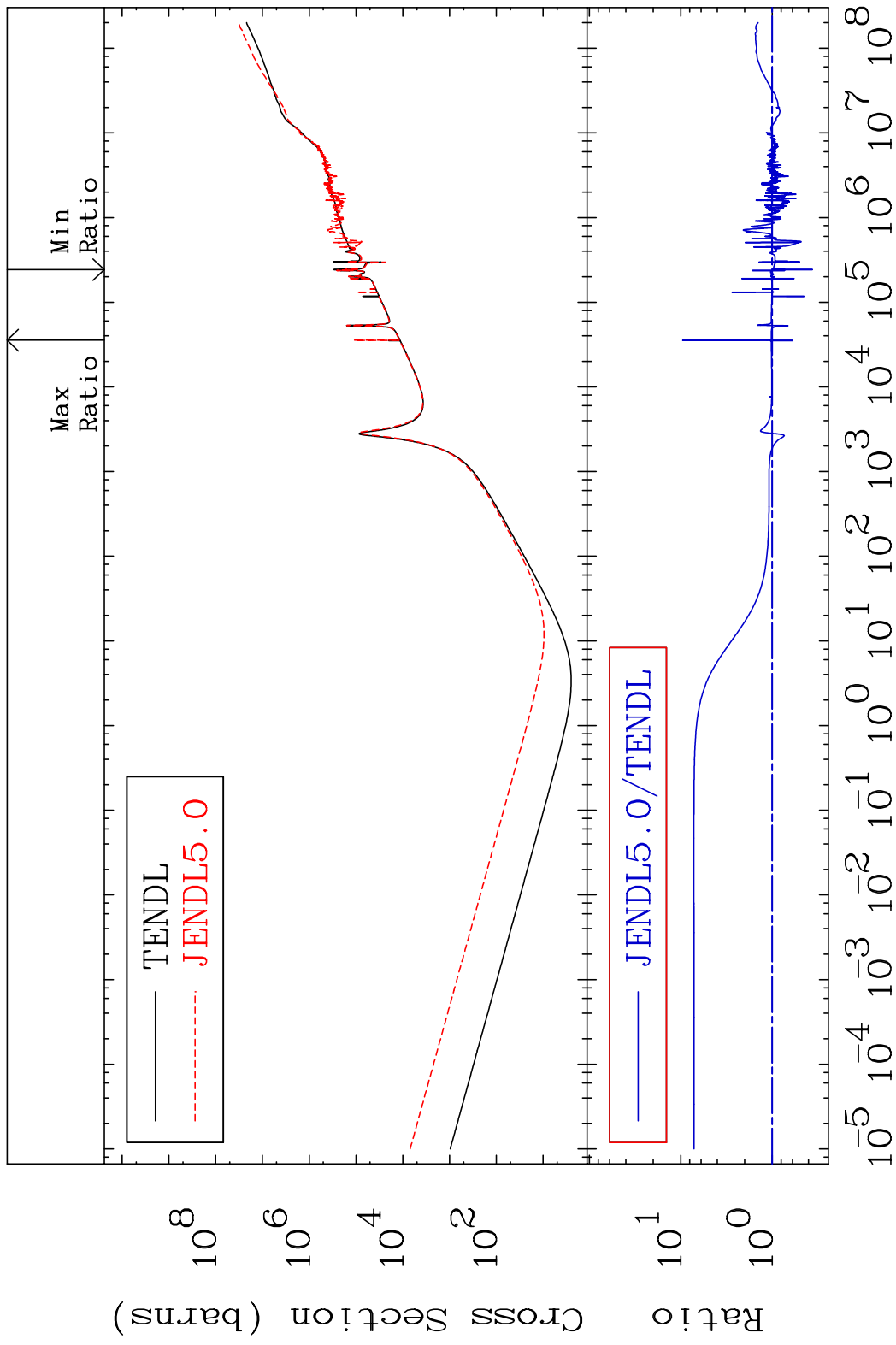
MAT 1125 Kerma capture (mt102) 11-Na-23  
 Cross Section -100.0 To 9999. %



MAT 1125 Total photon (eV-barns) 11-Na-23  
 Cross Section -110.1 To 9999. %



MAT 1125 Total kinematic kerma (high limit) 11-Na-23  
 Cross Section -63.83 To 862.0 %

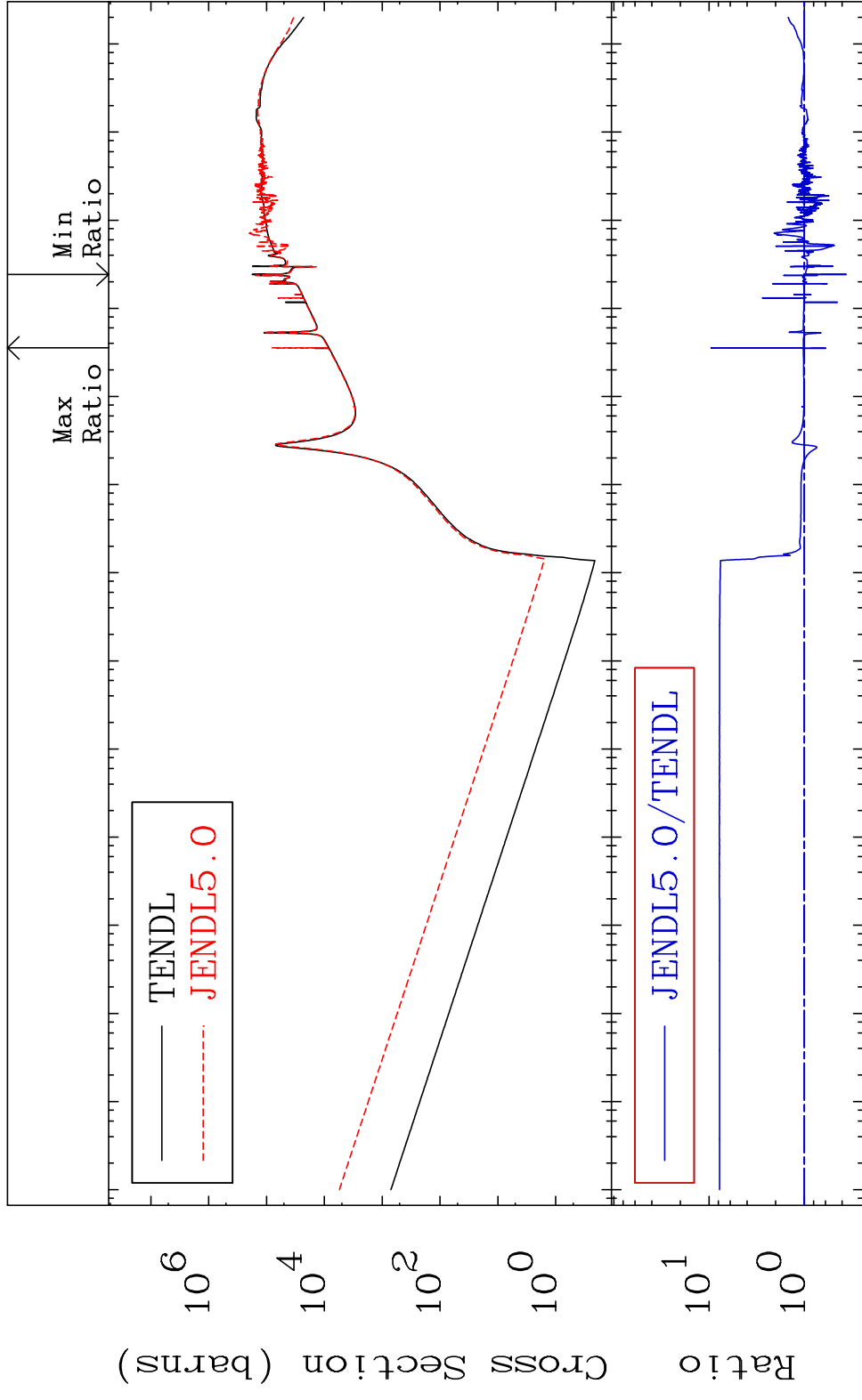


MAT 1125

Dpa total (eV-barns)

11-Na-23

Cross Section -63.81 To 861.8 %



59

Incident Energy (eV)

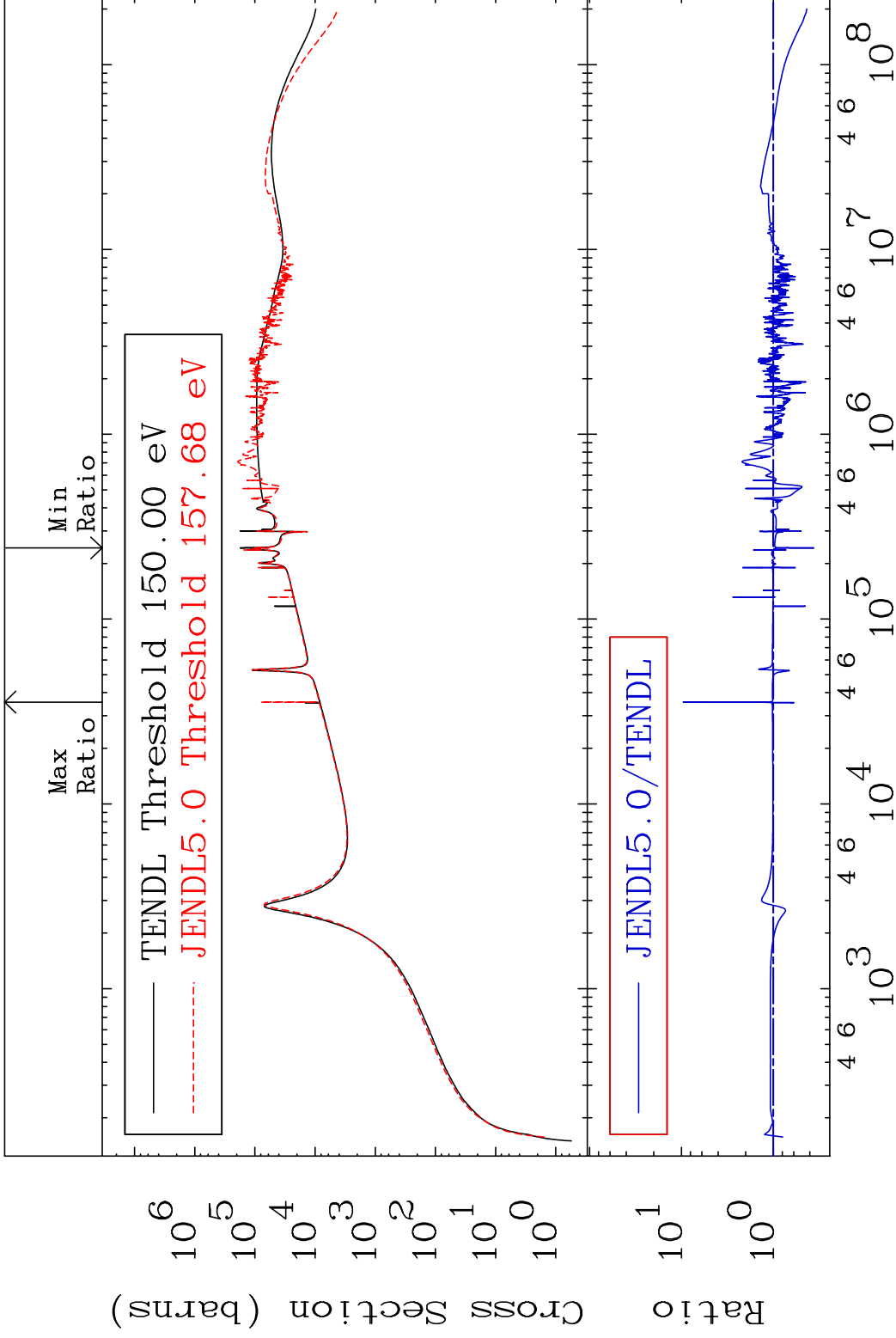
11-Na-23

MAT 1125

Dpa elastic (mt2)

11-Na-23

Cross Section -63.81 To 861.7 %

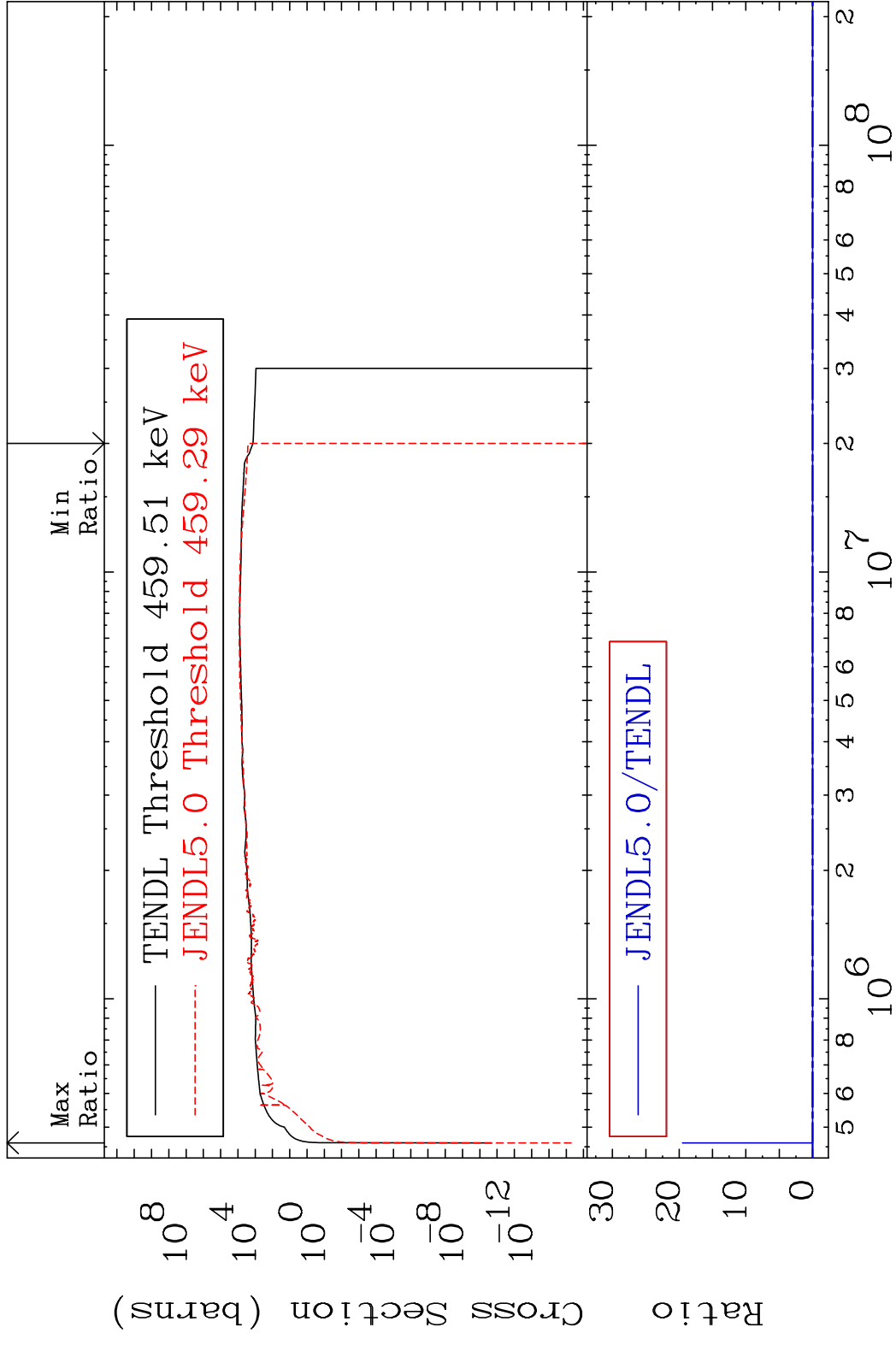


60

Incident Energy (eV)

11-Na-23

MAT 1125 Dpa inelastic (mt51-91) 11-Na-23  
 Cross Section -100.0 To 9999. %



MAT 1125 Dpa disappearance (mt102 -120) 11-Na-23  
 Cross Section -100.0 To 9999. %

