

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](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

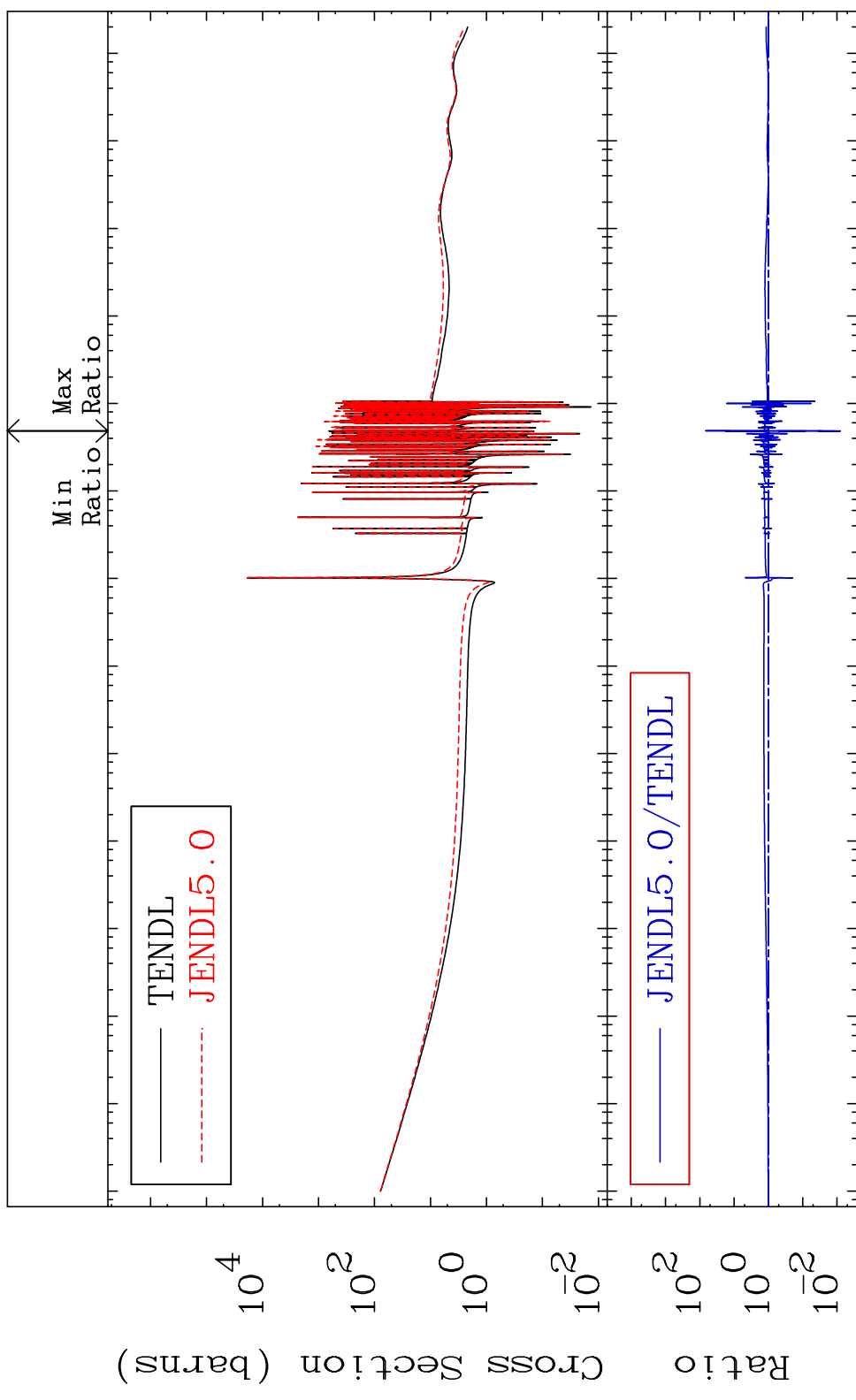
MAT 5637

Total

56-Ba-134

Cross Section

-99.21 To 6595. %



1

Incident Energy (eV)

56-Ba-134

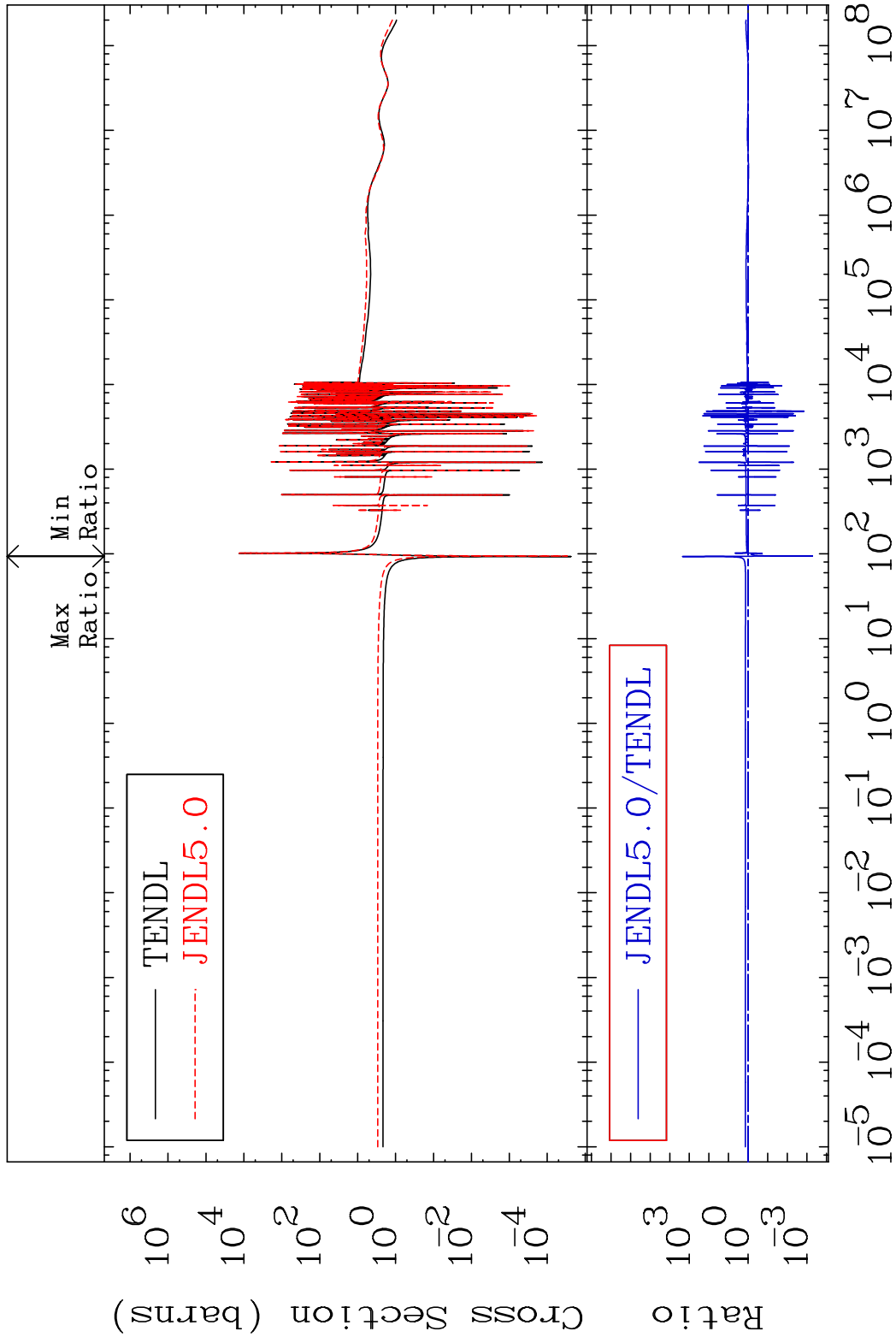
MAT 5637

Elastic

56-Ba-134

Cross Section

-99.95 To 9999. %



2

Incident Energy (eV)

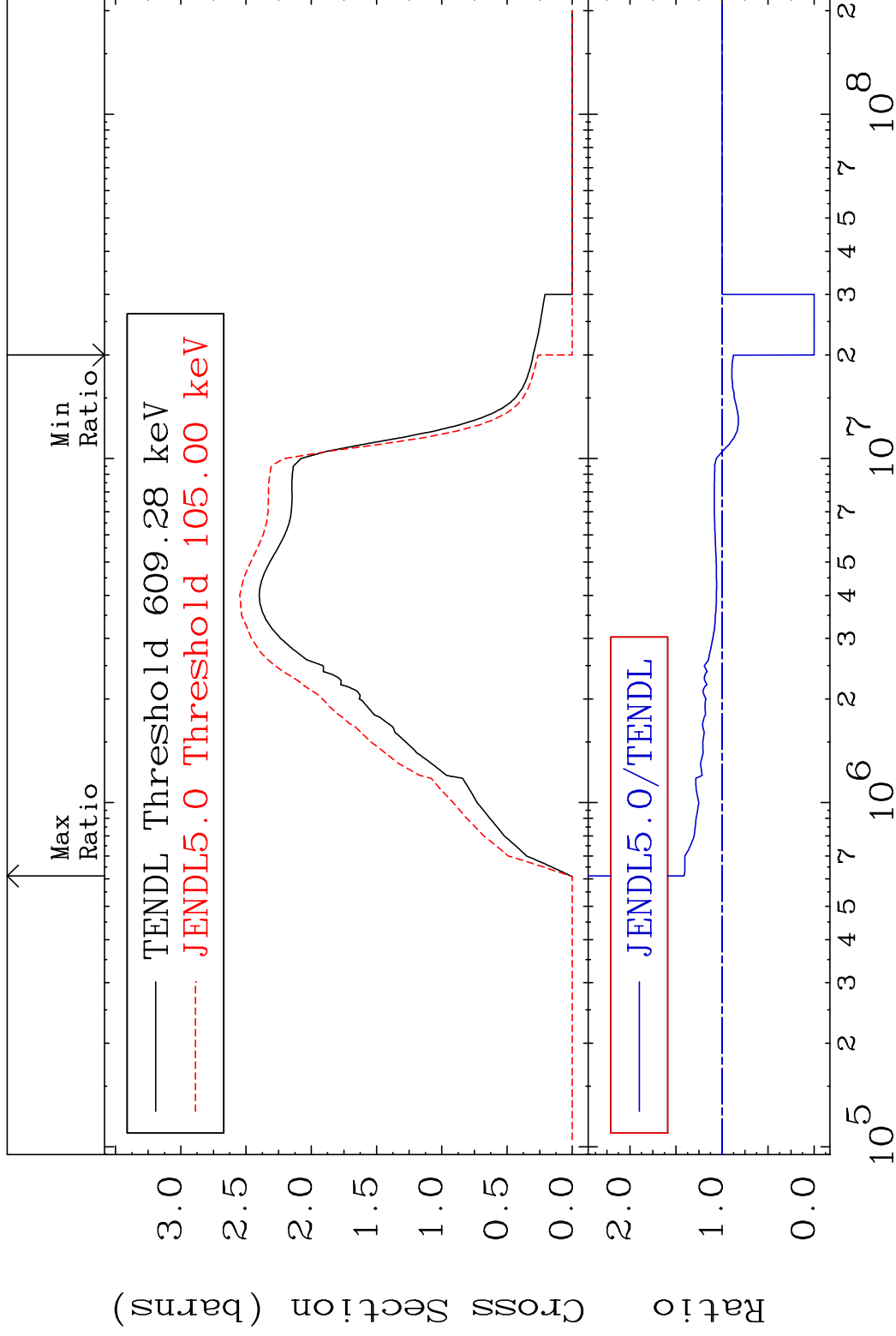
56-Ba-134

MAT 5637

Inelastic

56-Ba-134

Cross Section -100.0 To 41.65 %



3

Incident Energy (eV)

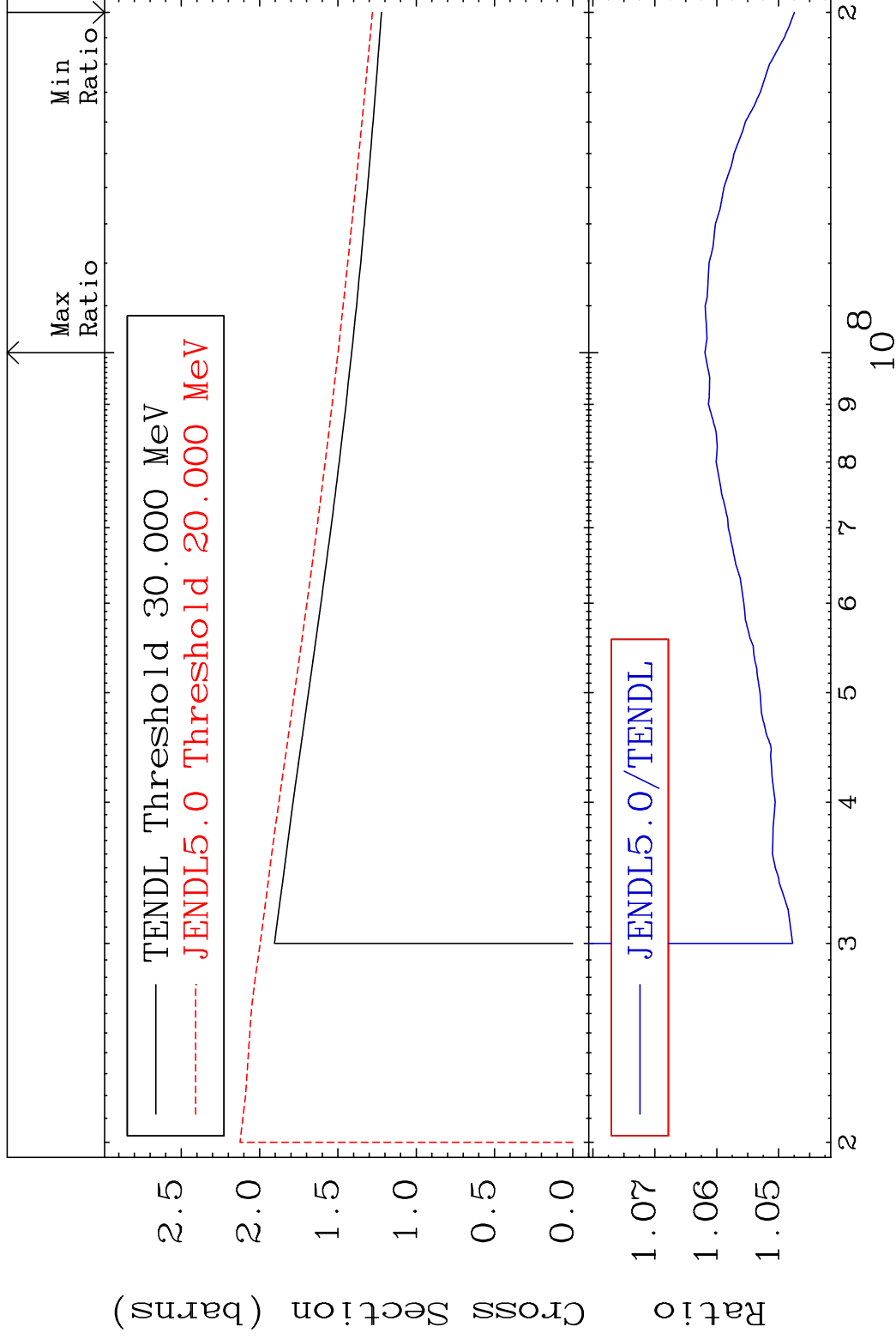
56-Ba-134

MAT 5637

(n, remainder)

56-Ba-134

Cross Section 4.747 To 6.191 %



4

Incident Energy (eV)

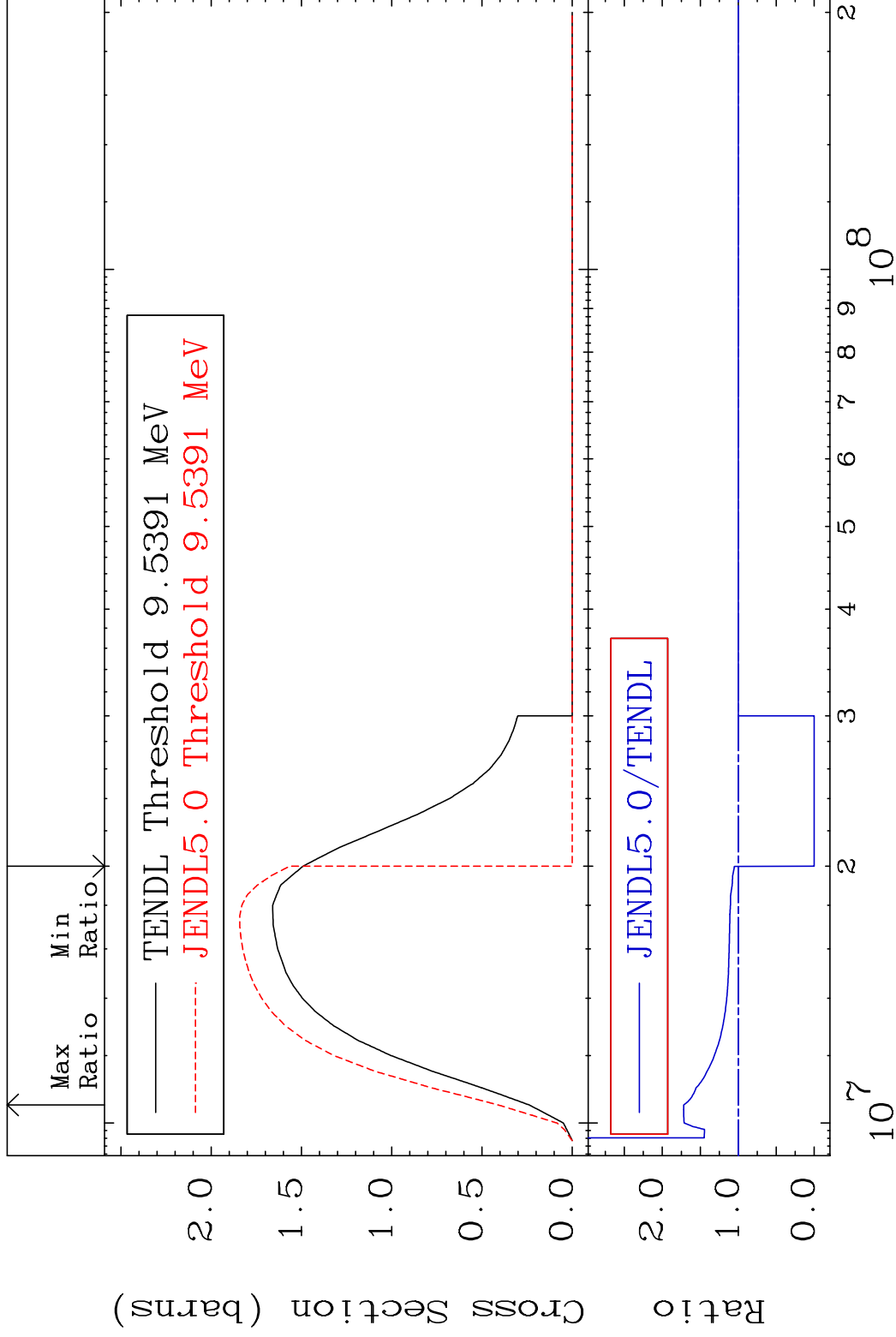
56-Ba-134

MAT 5637

(n,2n)

56-Ba-134

Cross Section -100.0 To 71.89 %



5

Incident Energy (eV)

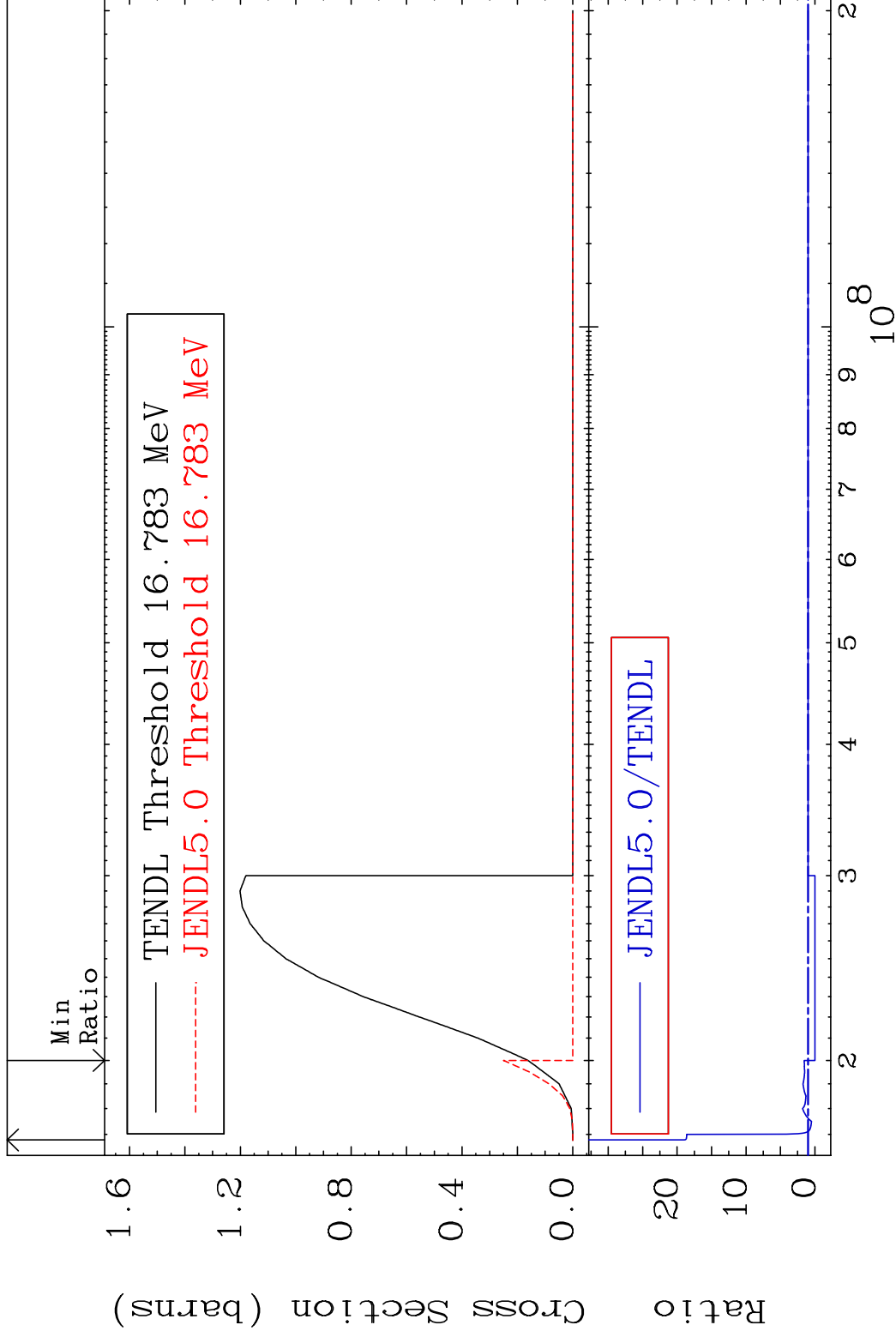
56-Ba-134

MAT 5637

(n,3n)

56-Ba-134

Cross Section -100.0 To 1795. %

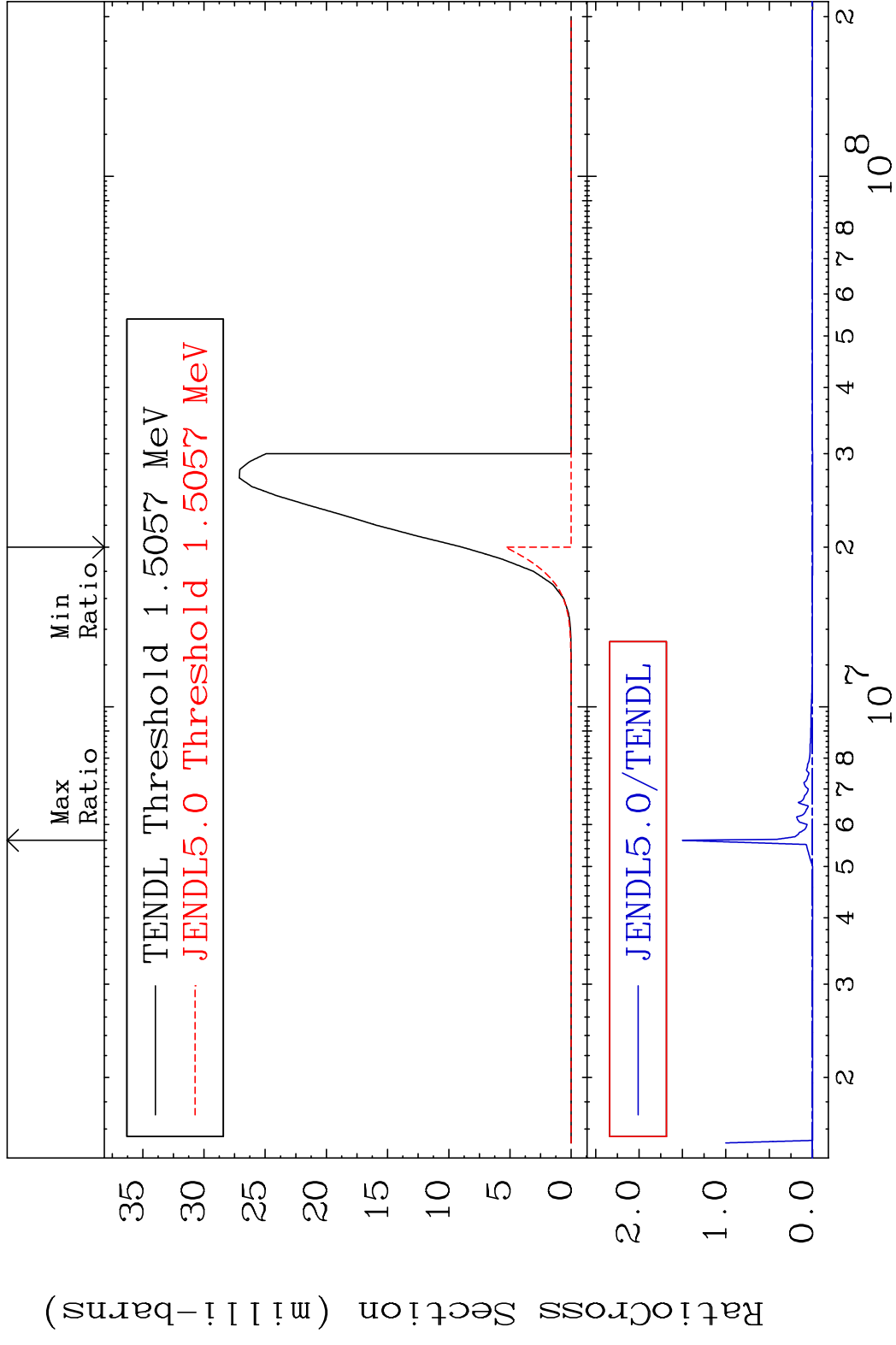


6

Incident Energy (eV)

56-Ba-134

MAT 5637 (n, n')  $\alpha$  56-Ba-134  
 Cross Section -100.0 To 9999. %



7 Incident Energy (eV) 56-Ba-134

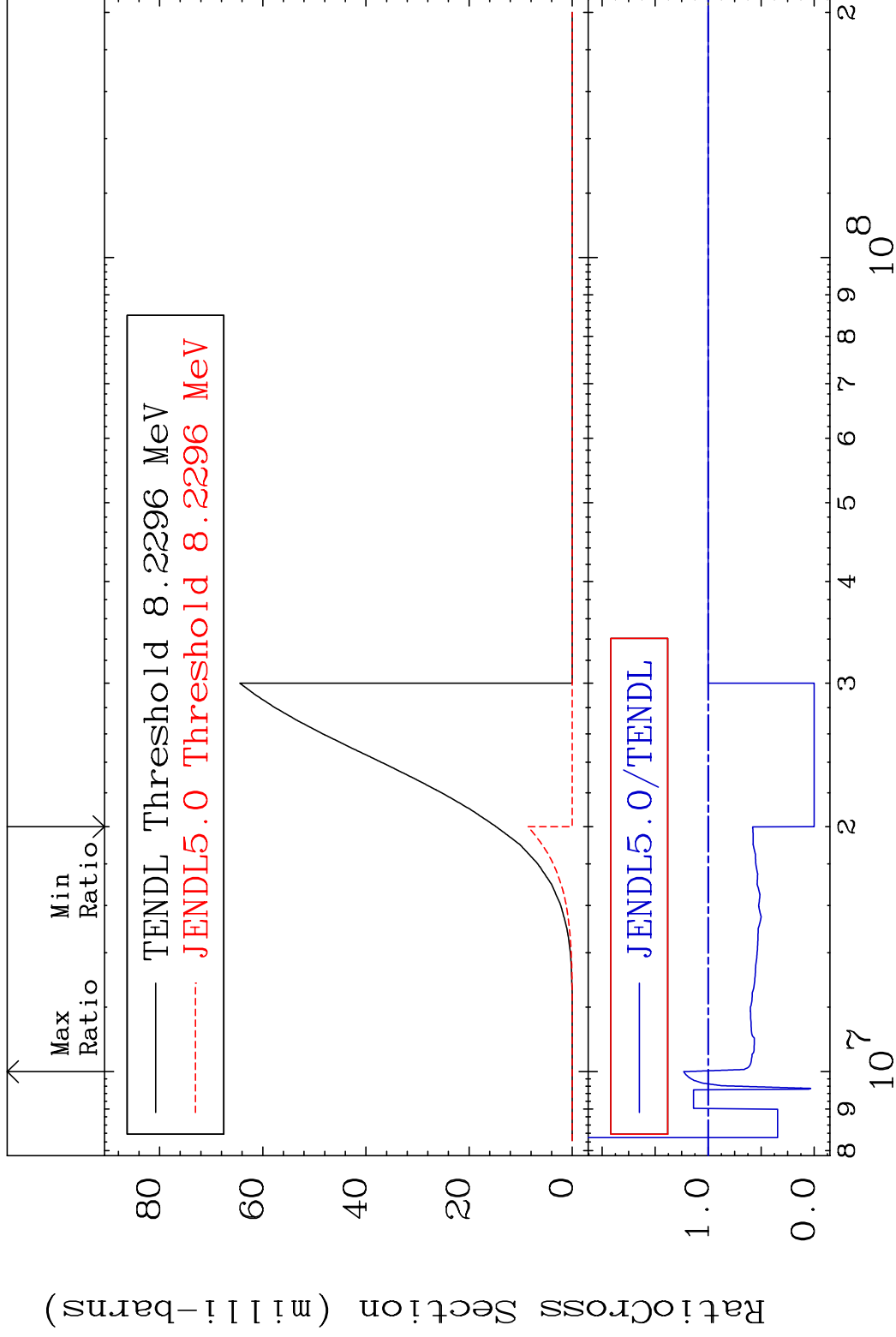


MAT 5637

(n, n') p

56-Ba-134

Cross Section -100.0 To 23.03 %

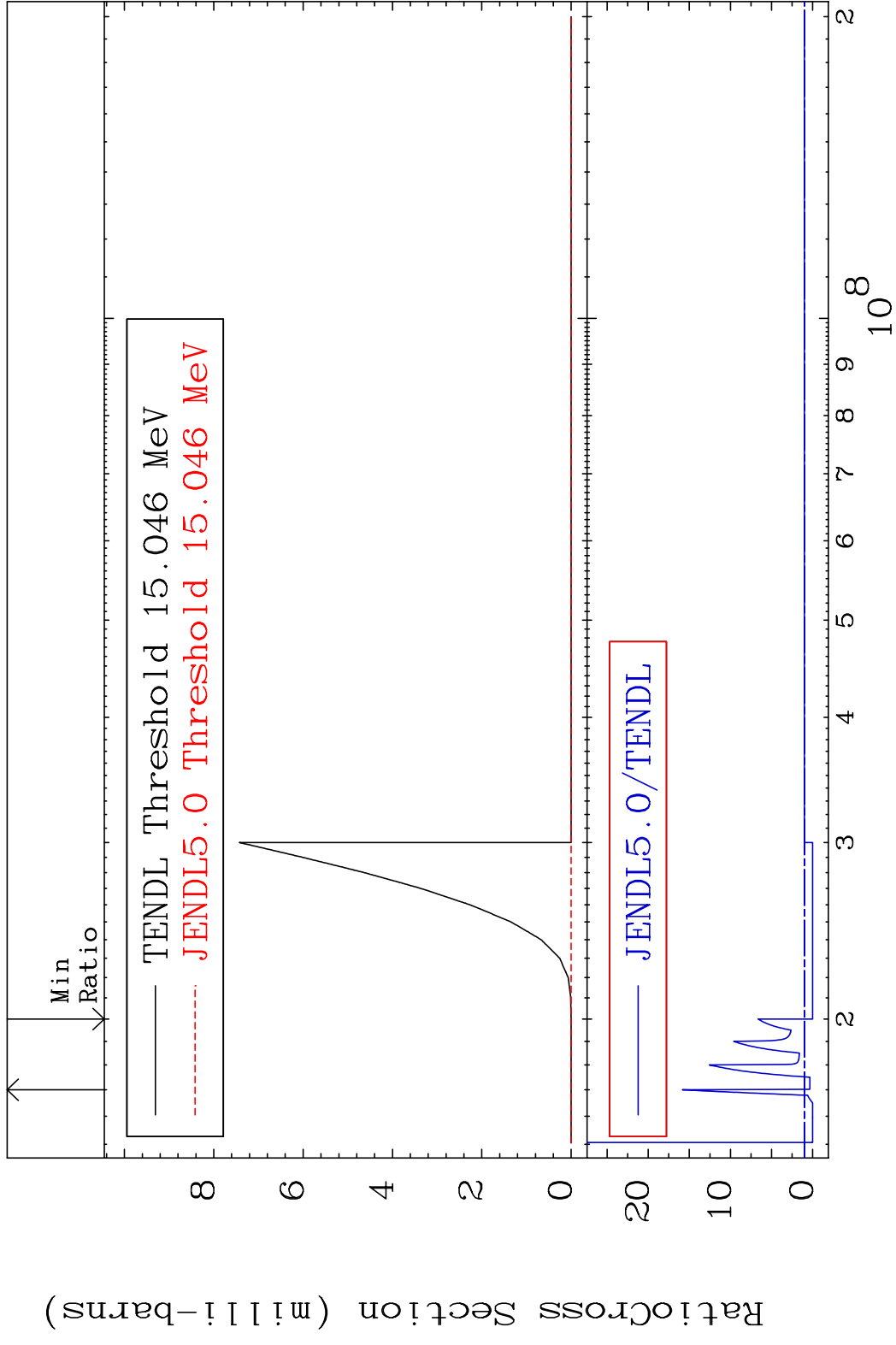


8

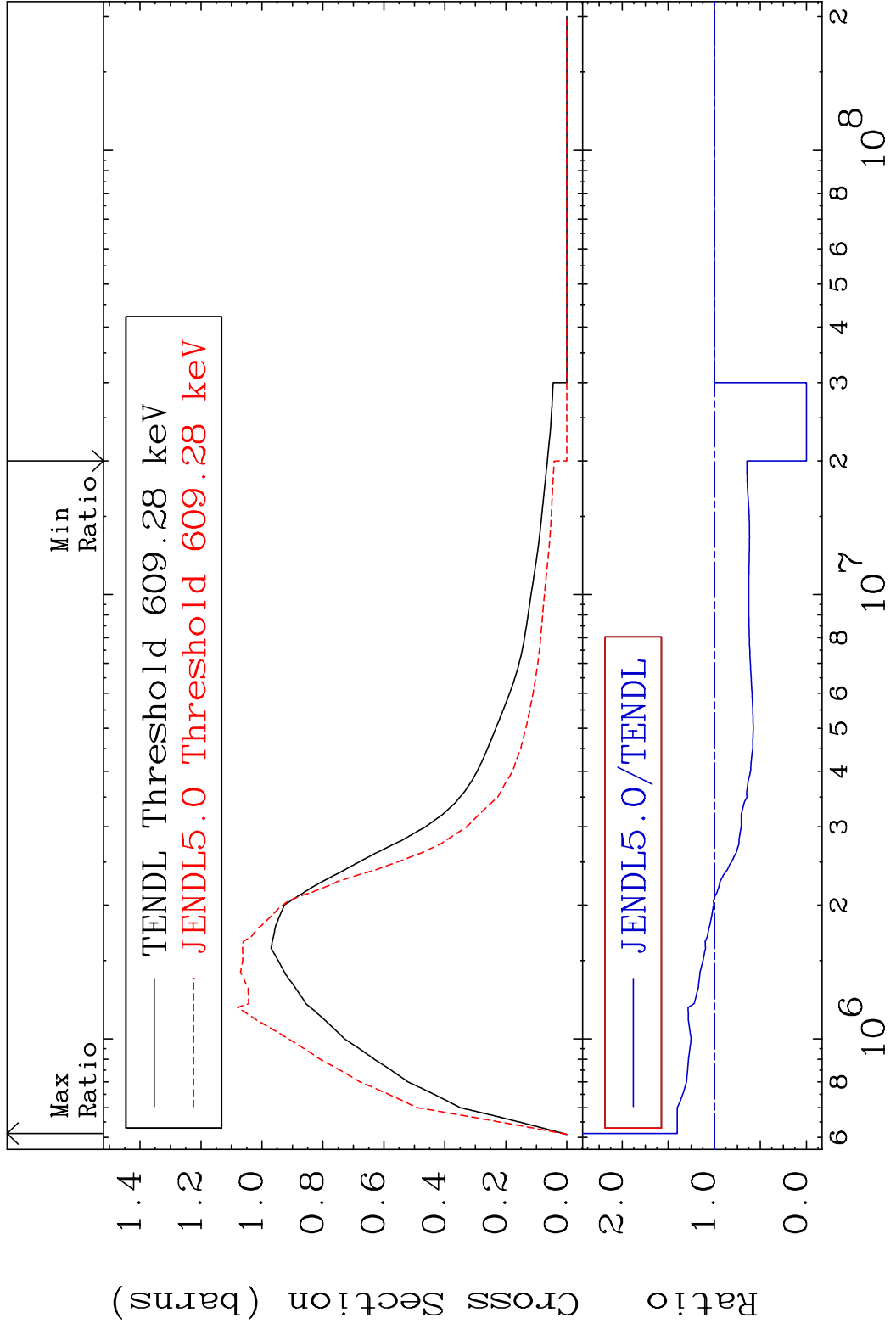
Incident Energy (eV)

56-Ba-134

MAT 5637 (n, n') d 56-Ba-134  
 Cross Section -100.0 To 1485. %

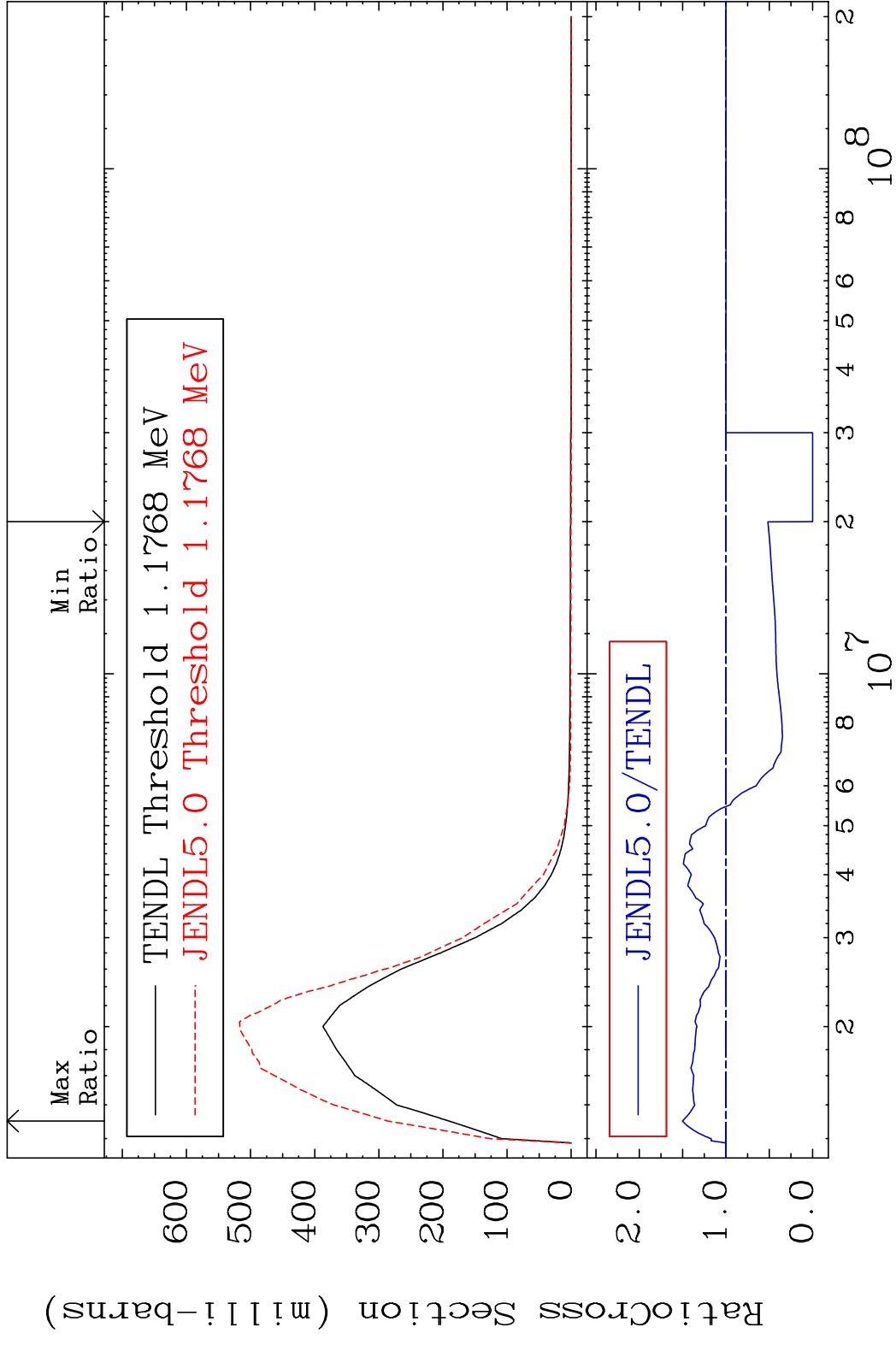


MAT 5637 MT= 51 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 40.31 %

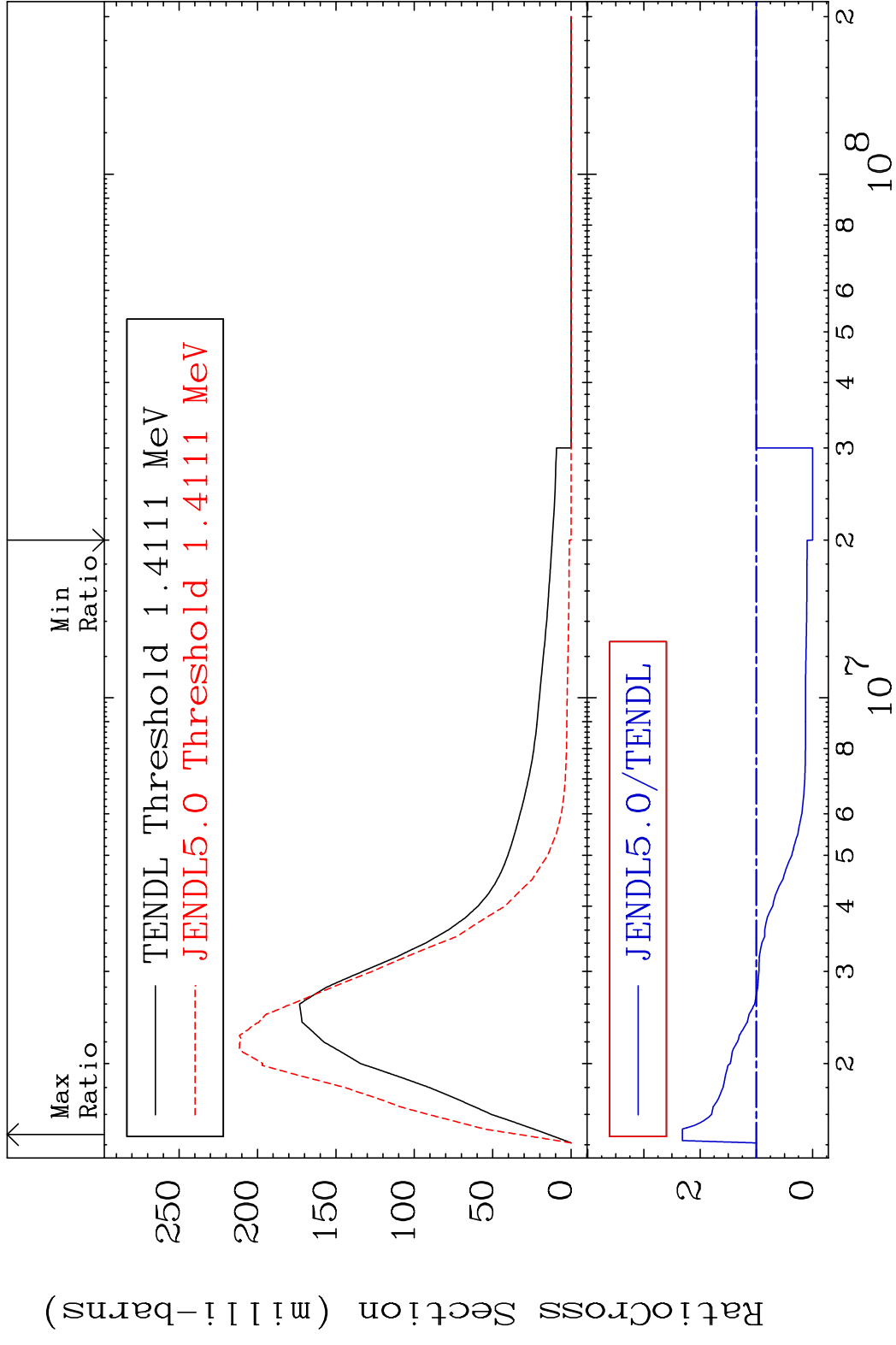


10 Incident Energy (eV) 56-Ba-134

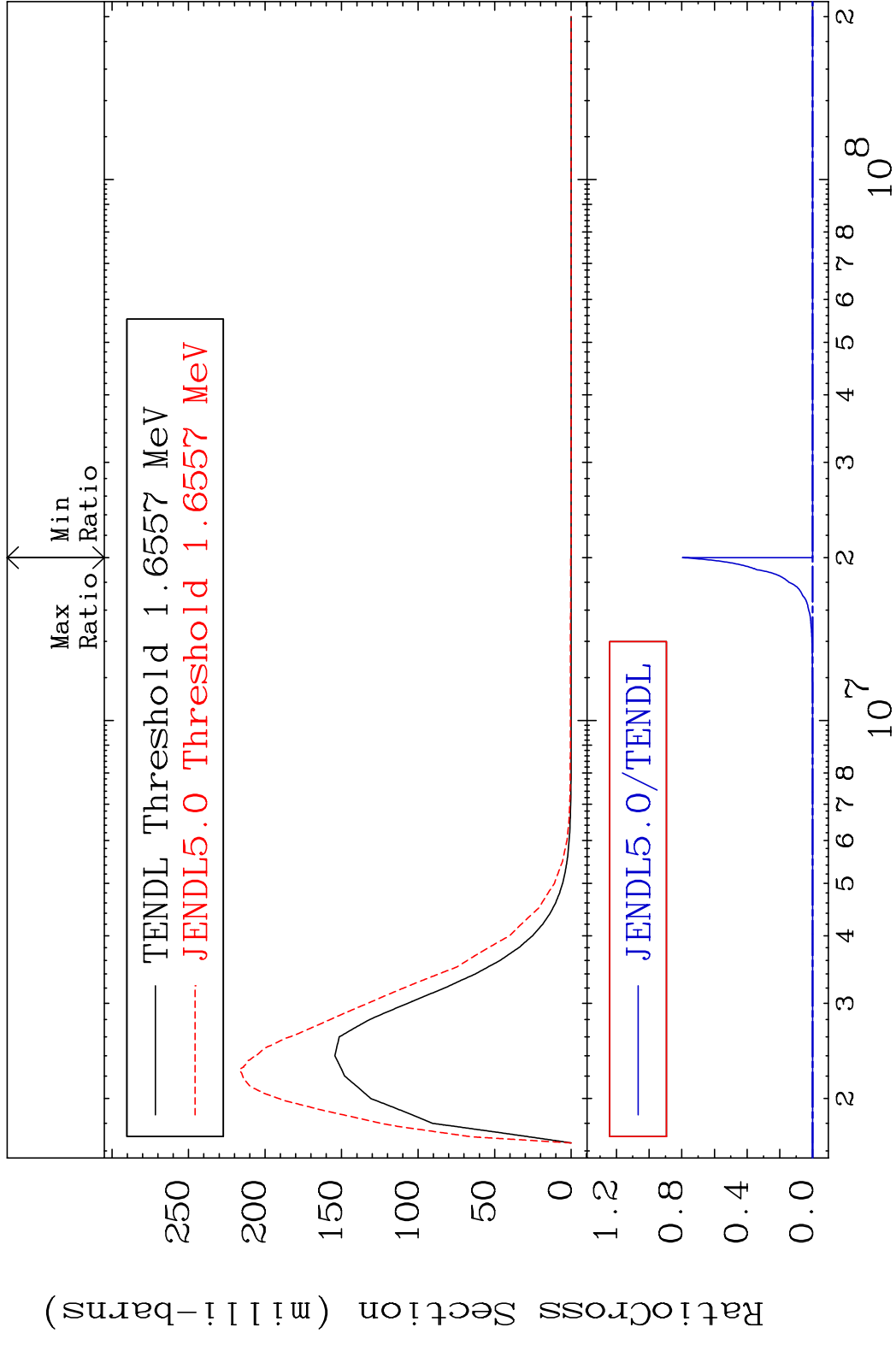
MAT 5637 MT= 52 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 50.32 %



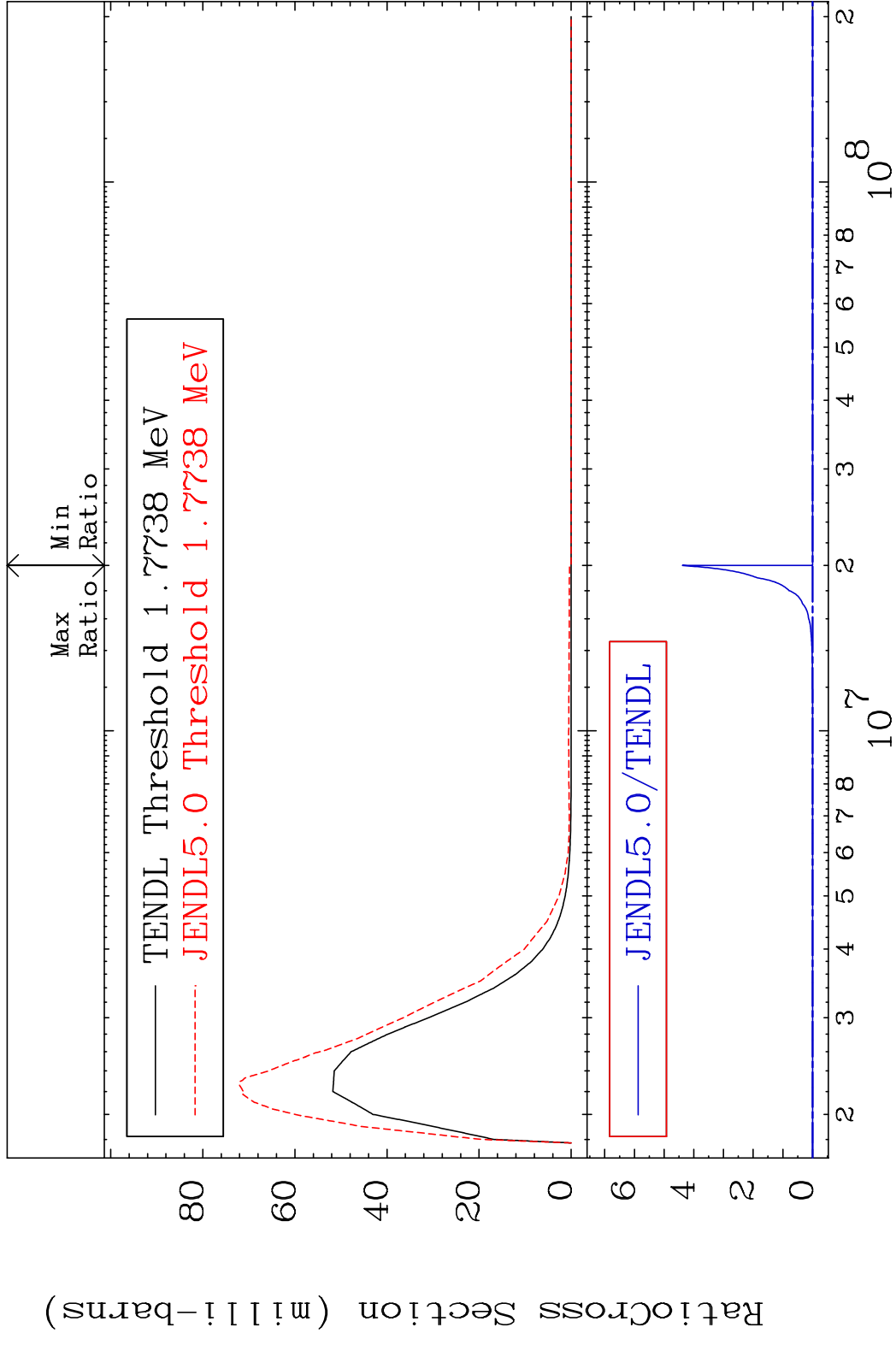
MAT 5637 MT= 53 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 131.6 %



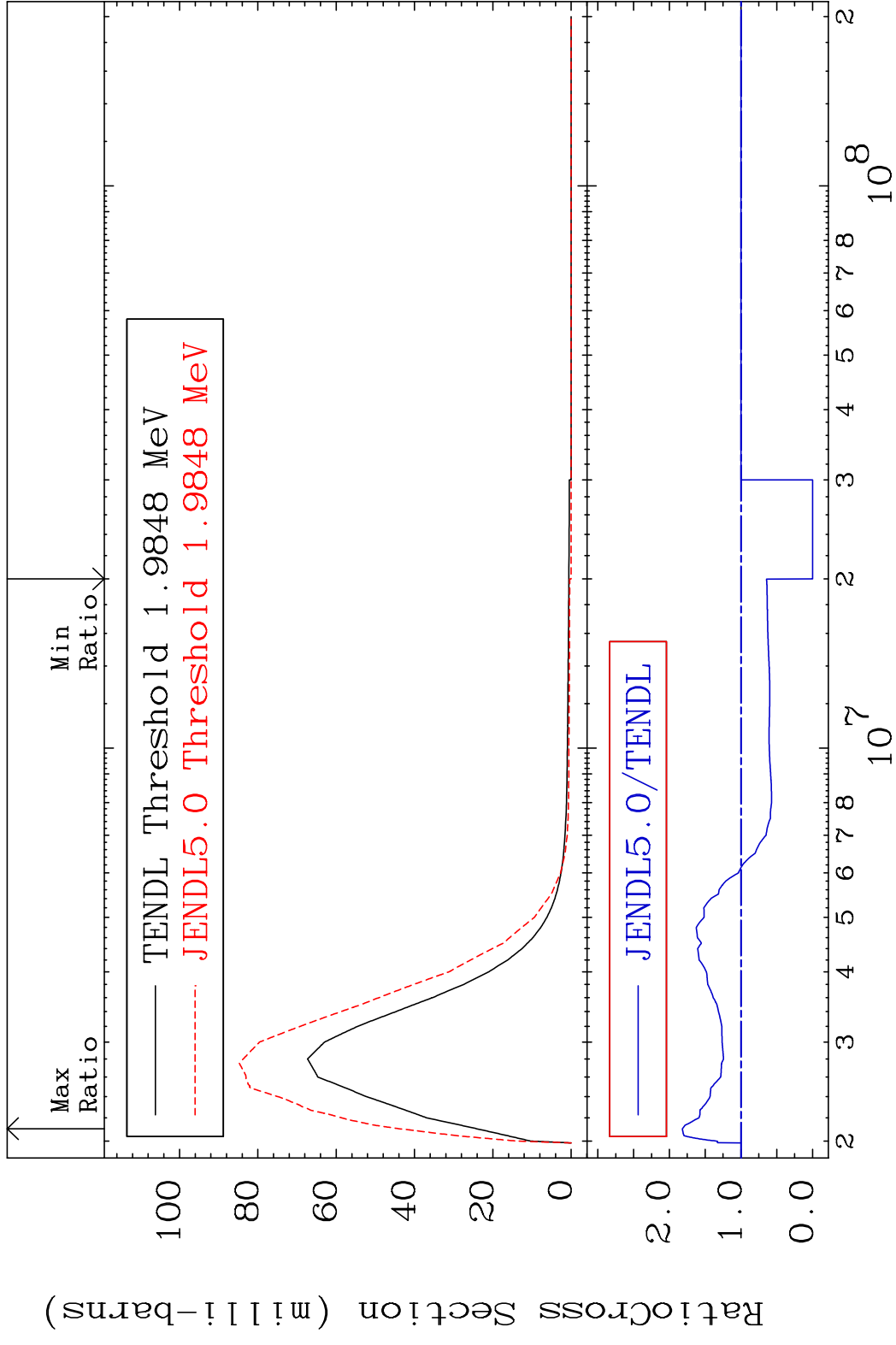
MAT 5637 MT= 54 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %



MAT 5637 MT= 55 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %

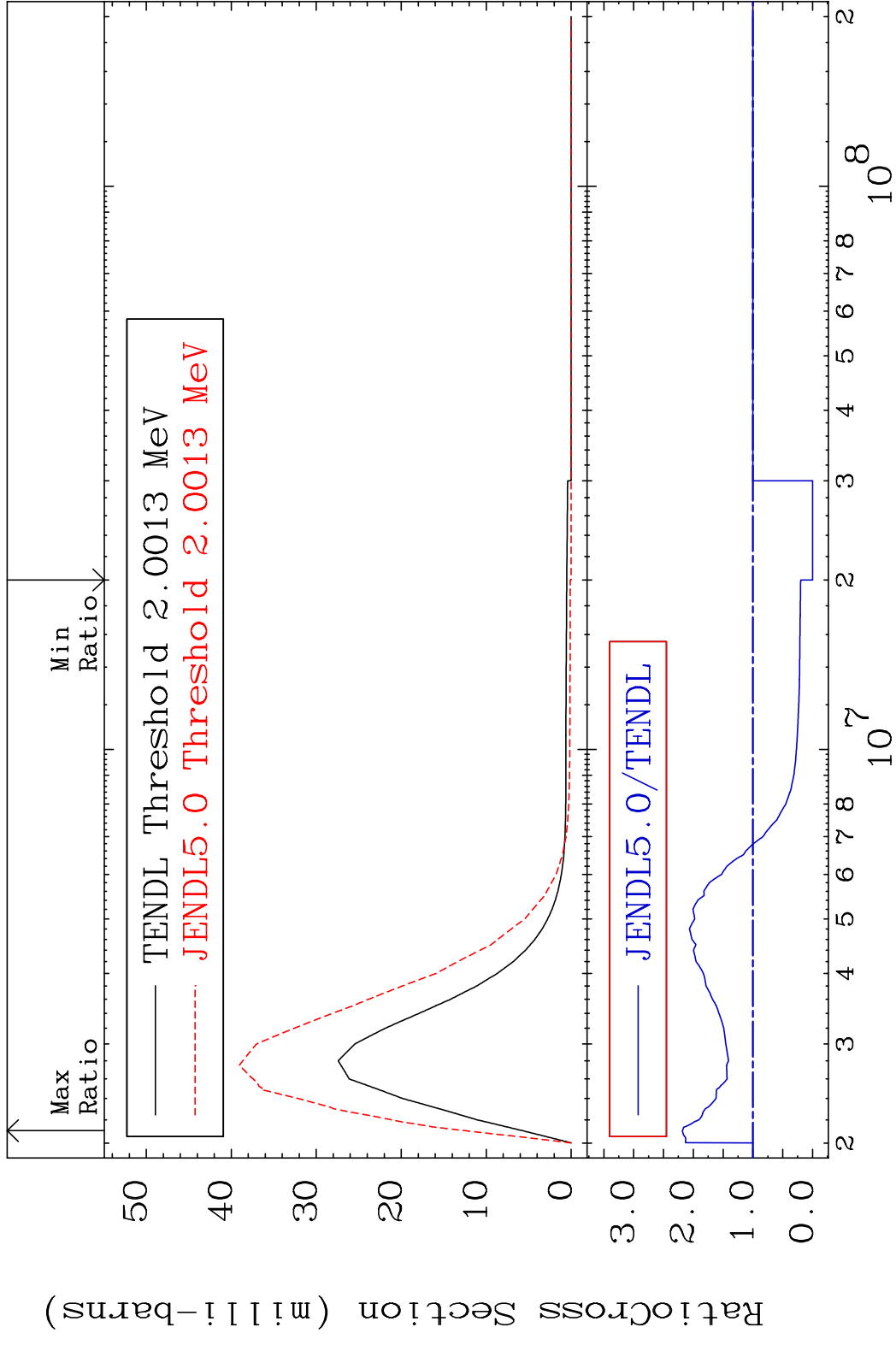


MAT 5637 MT= 56 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 81.89 %

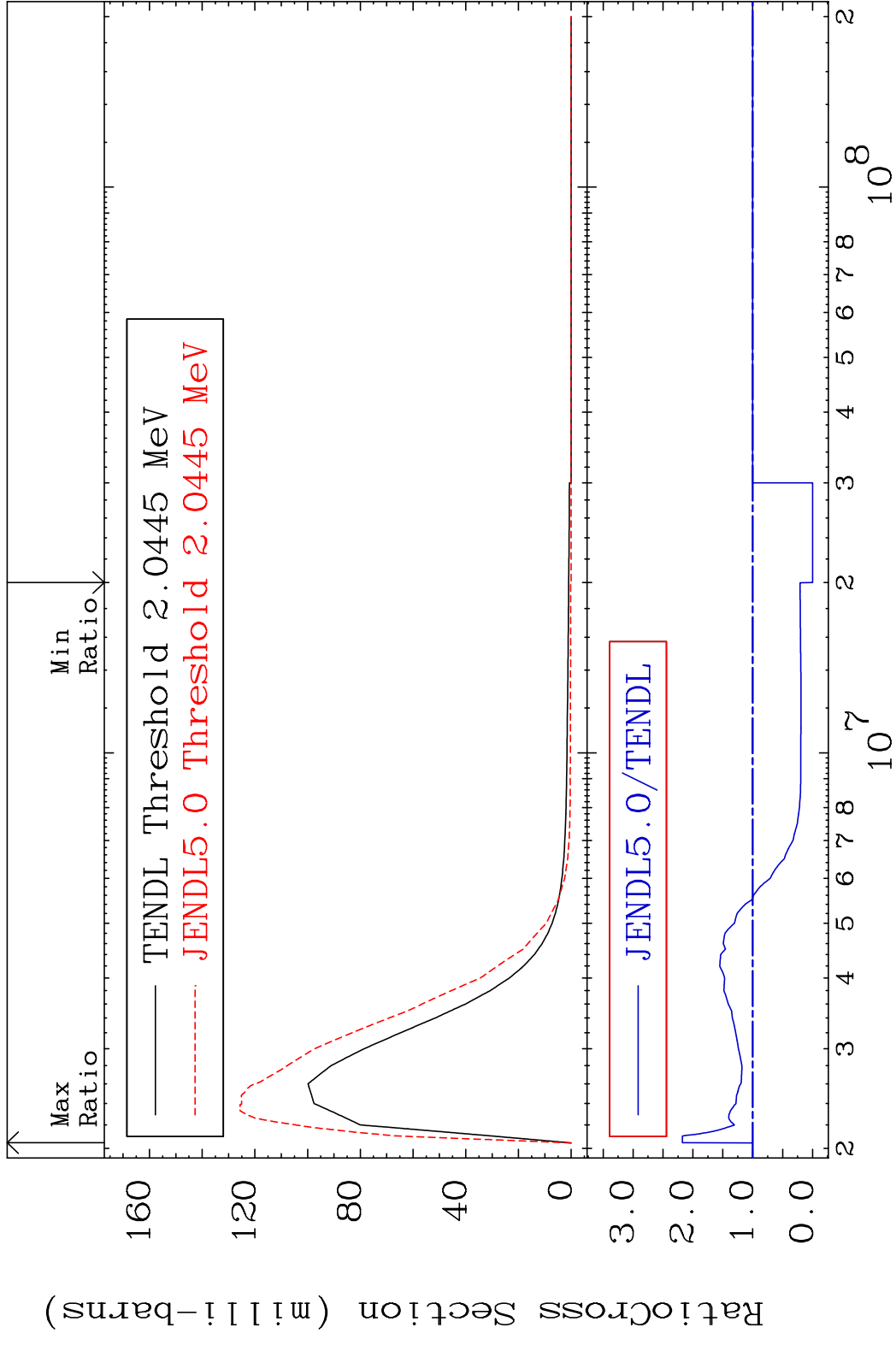




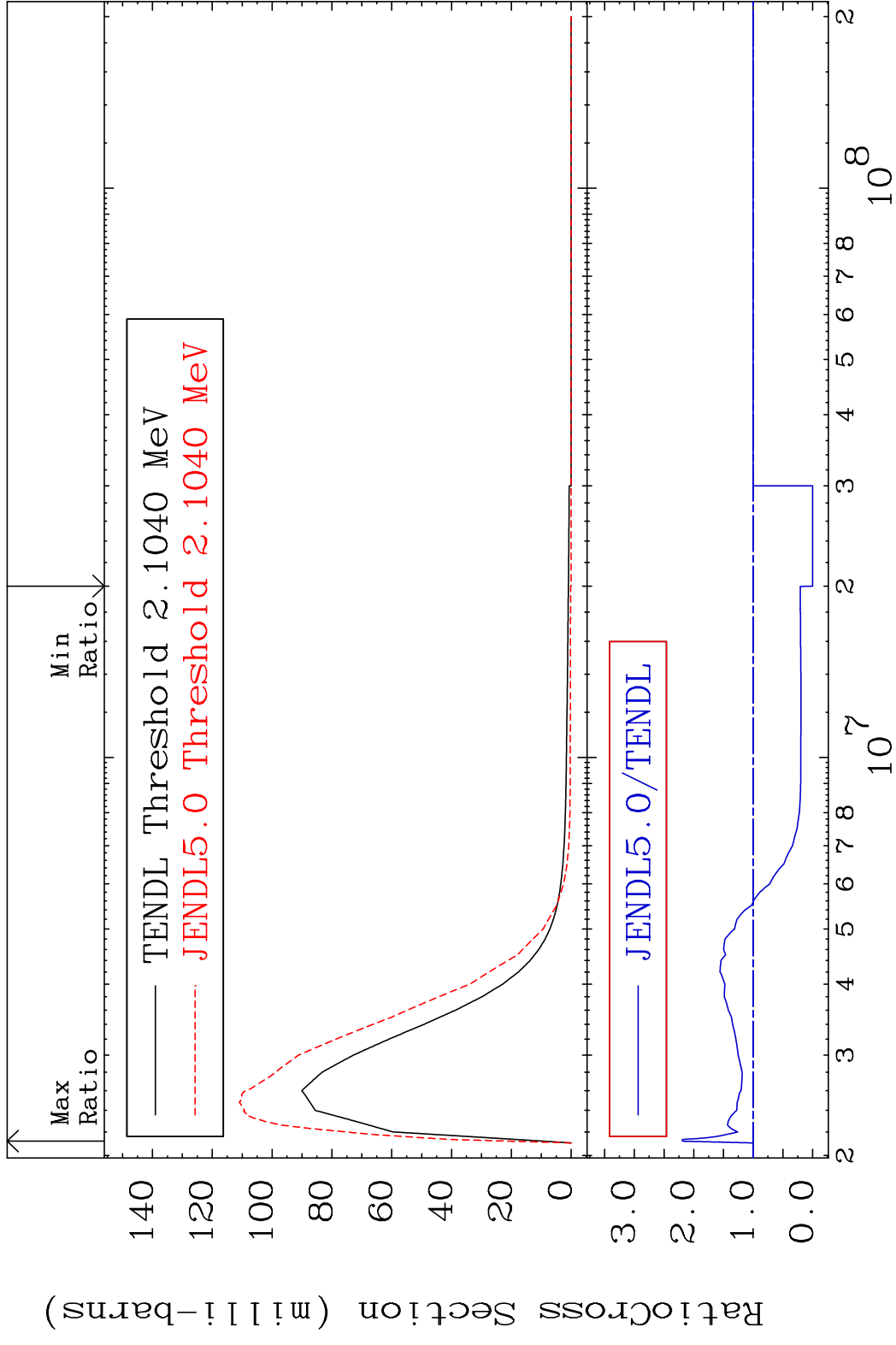
MAT 5637 MT= 57 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 118.3 %



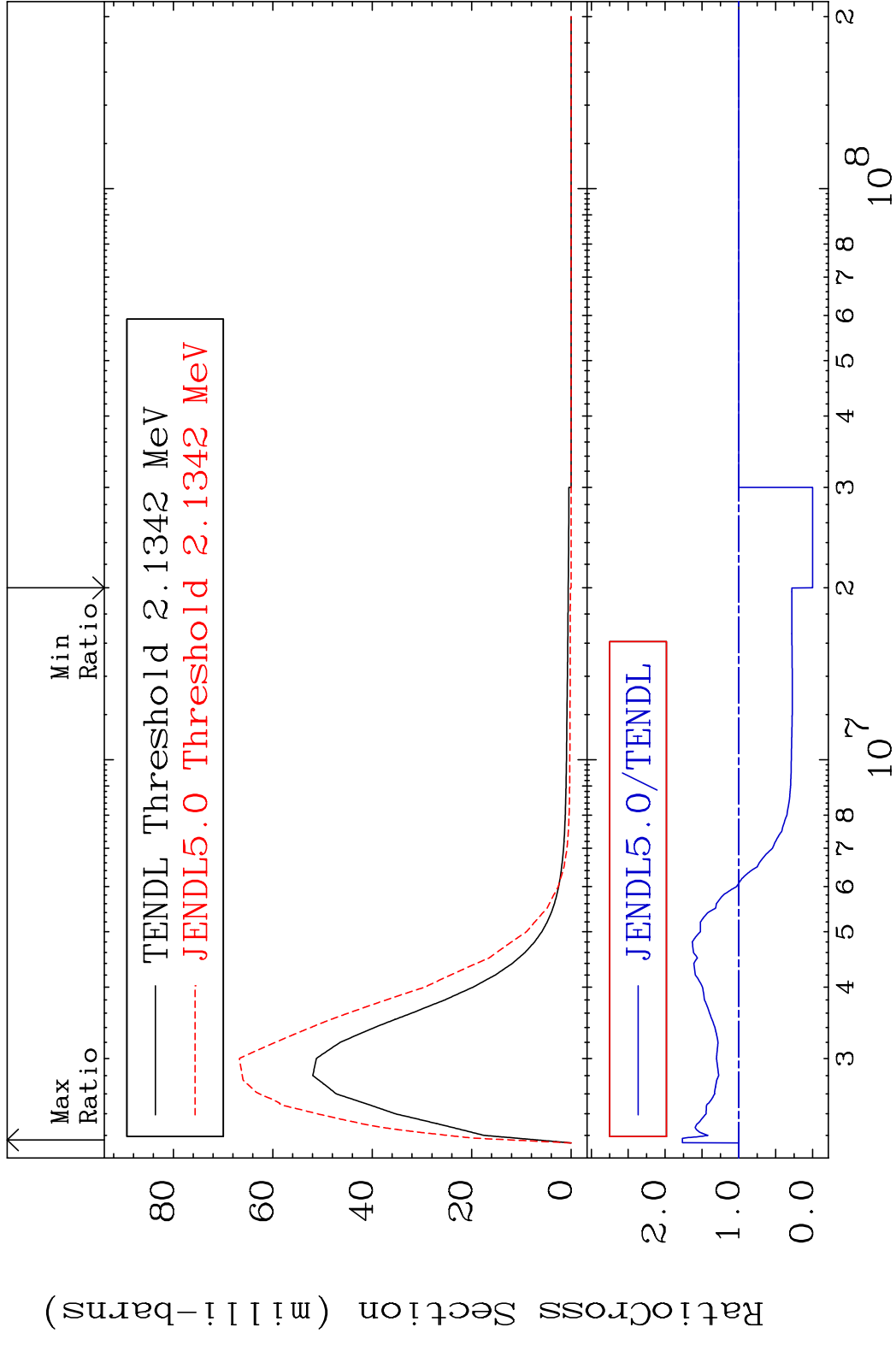
MAT 5637 MT= 58 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 117.7 %



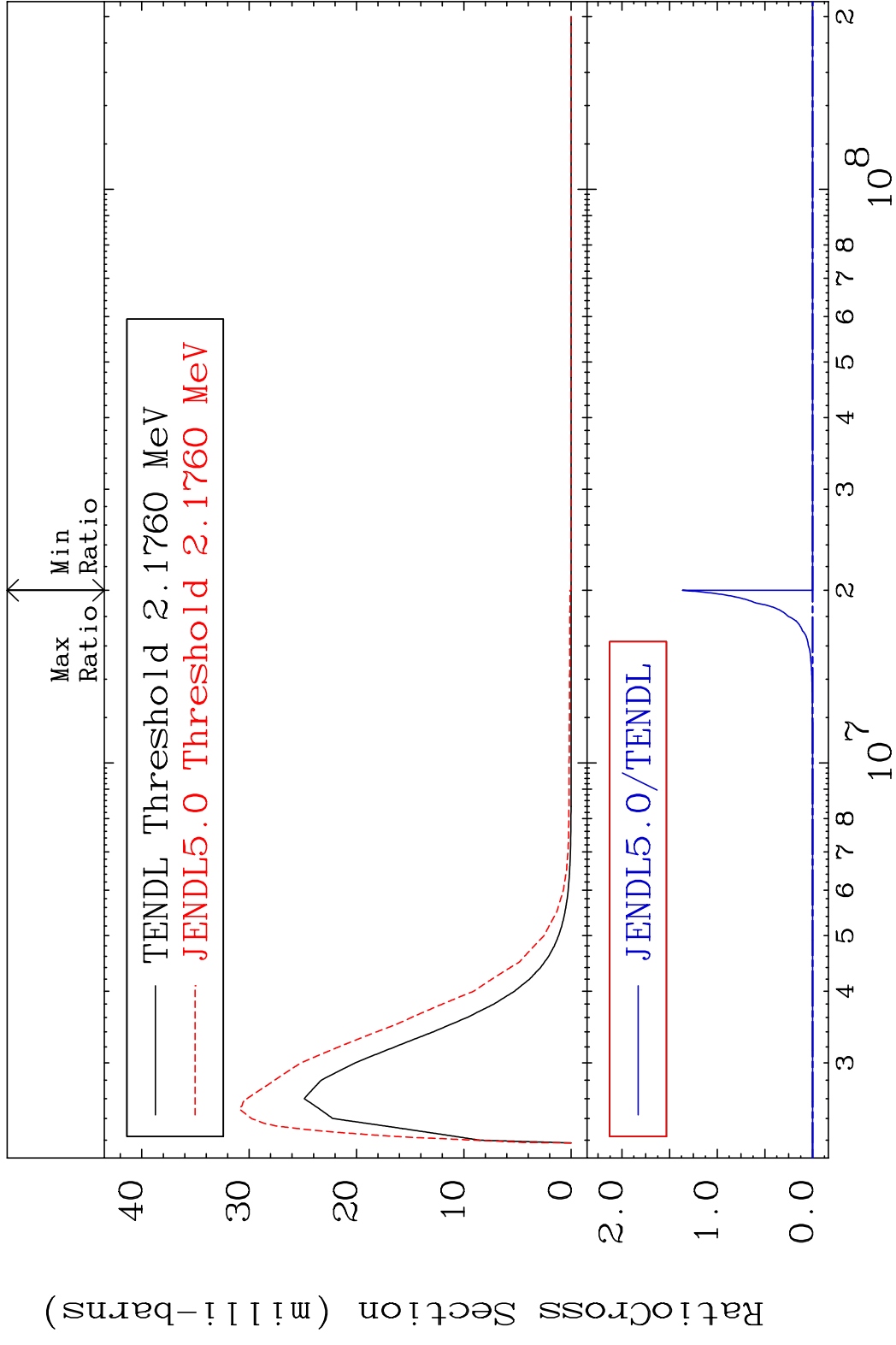
MAT 5637 MT= 59 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 119.2 %



MAT 5637 MT= 60 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 76.53 %

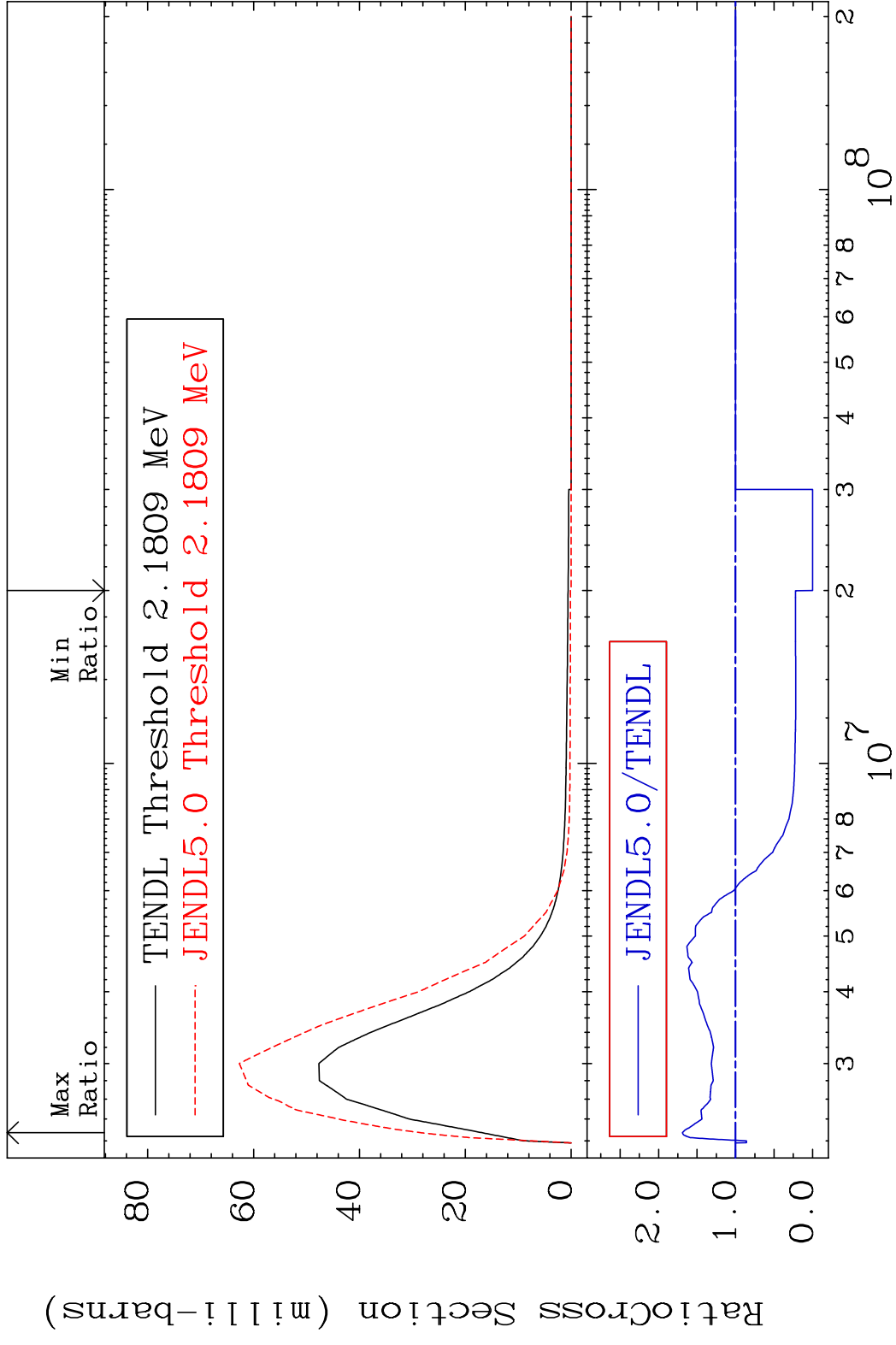


MAT 5637 MT= 61 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %

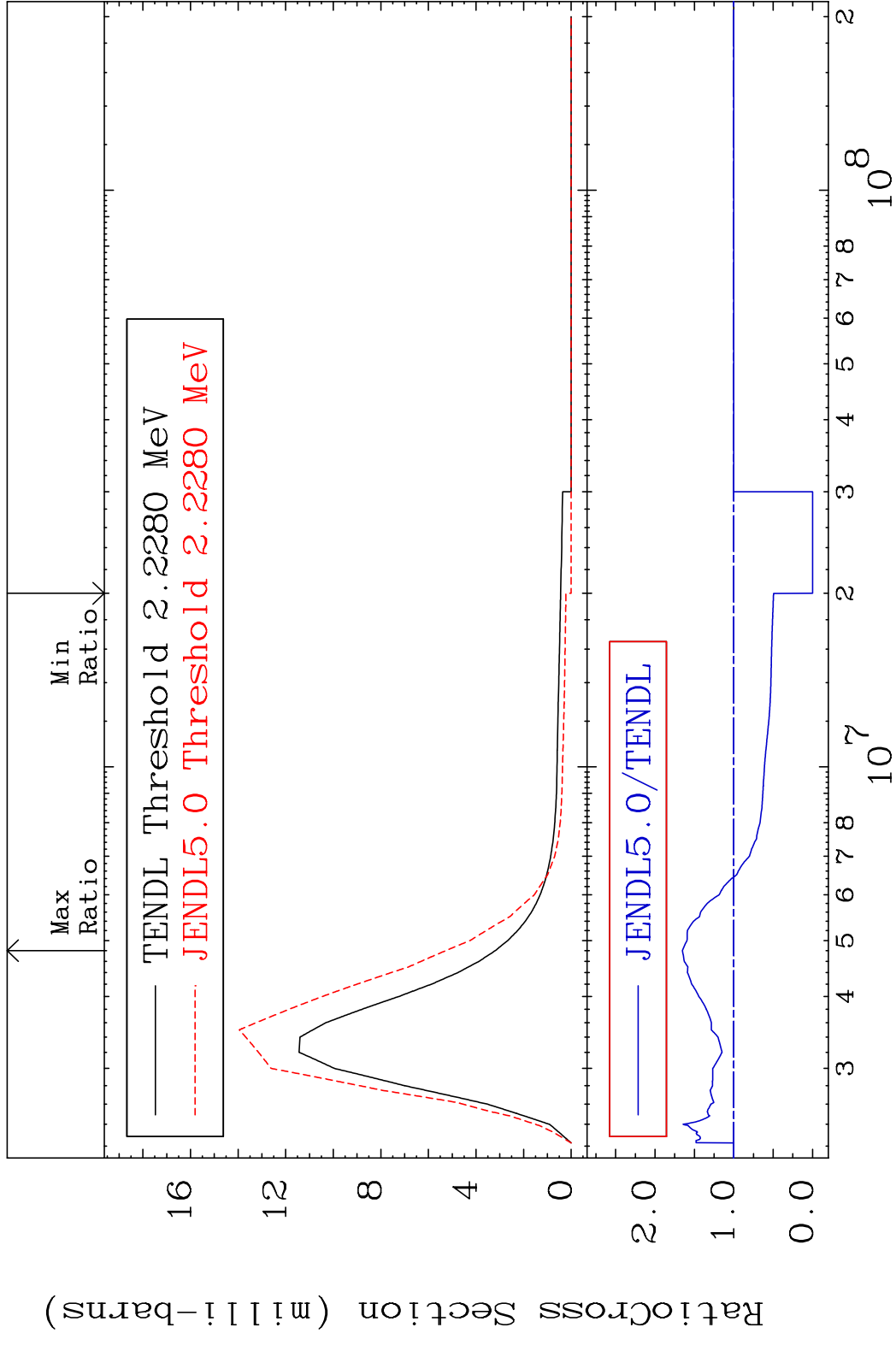


20 56-Ba-134

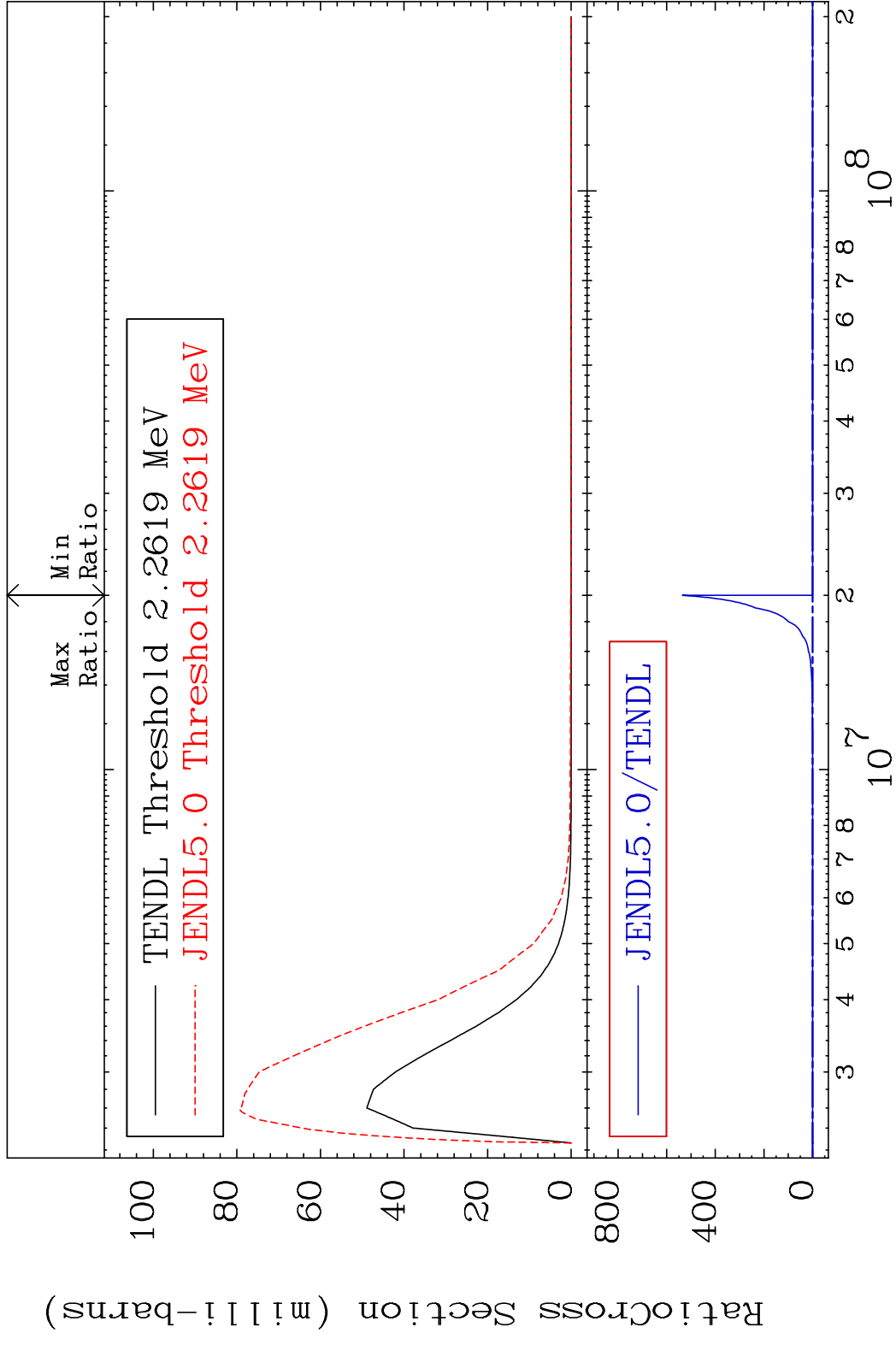
MAT 5637 MT= 62 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 69.11 %



MAT 5637 MT= 63 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 65.29 %

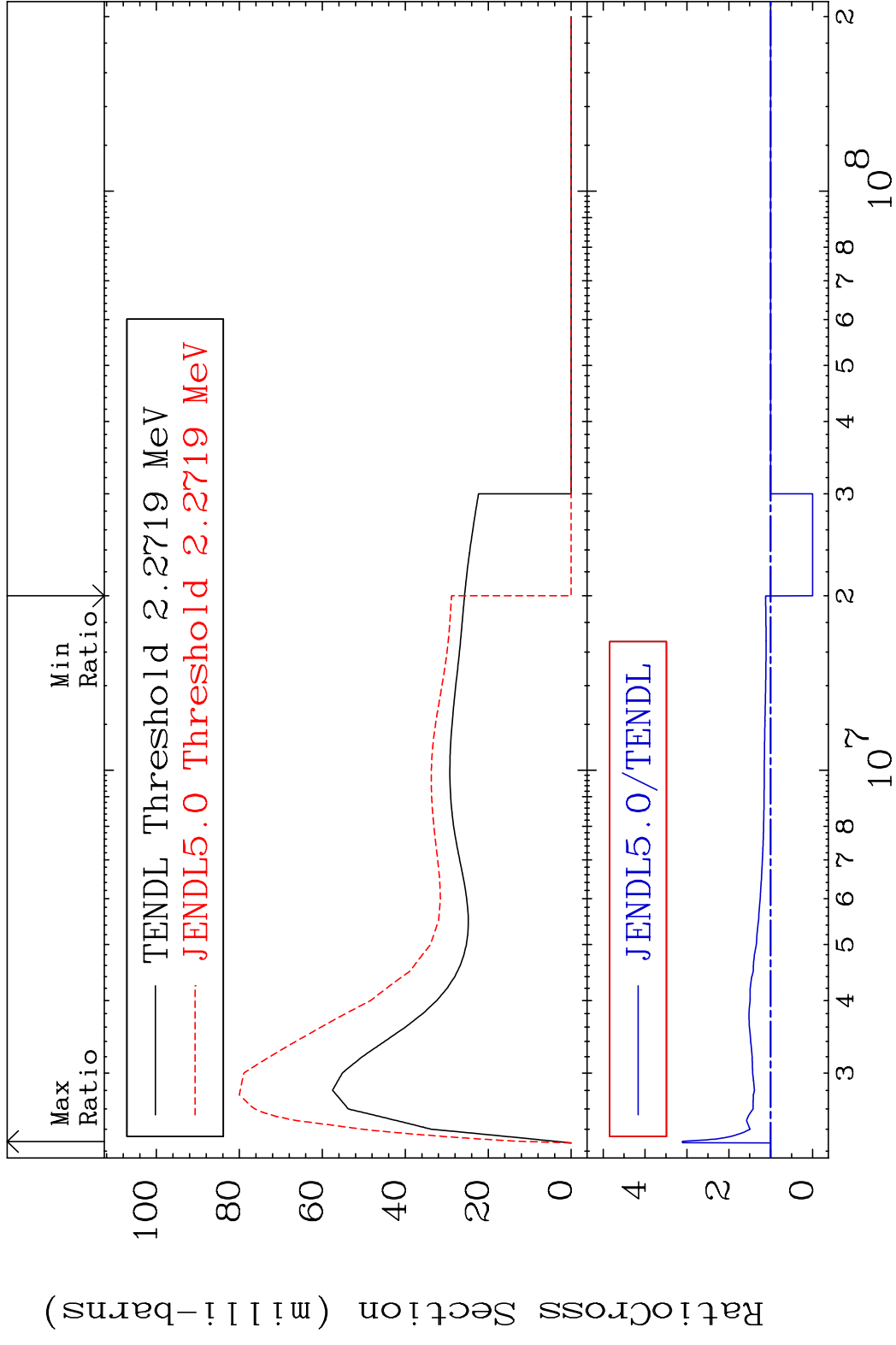


MAT 5637 MT= 64 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %

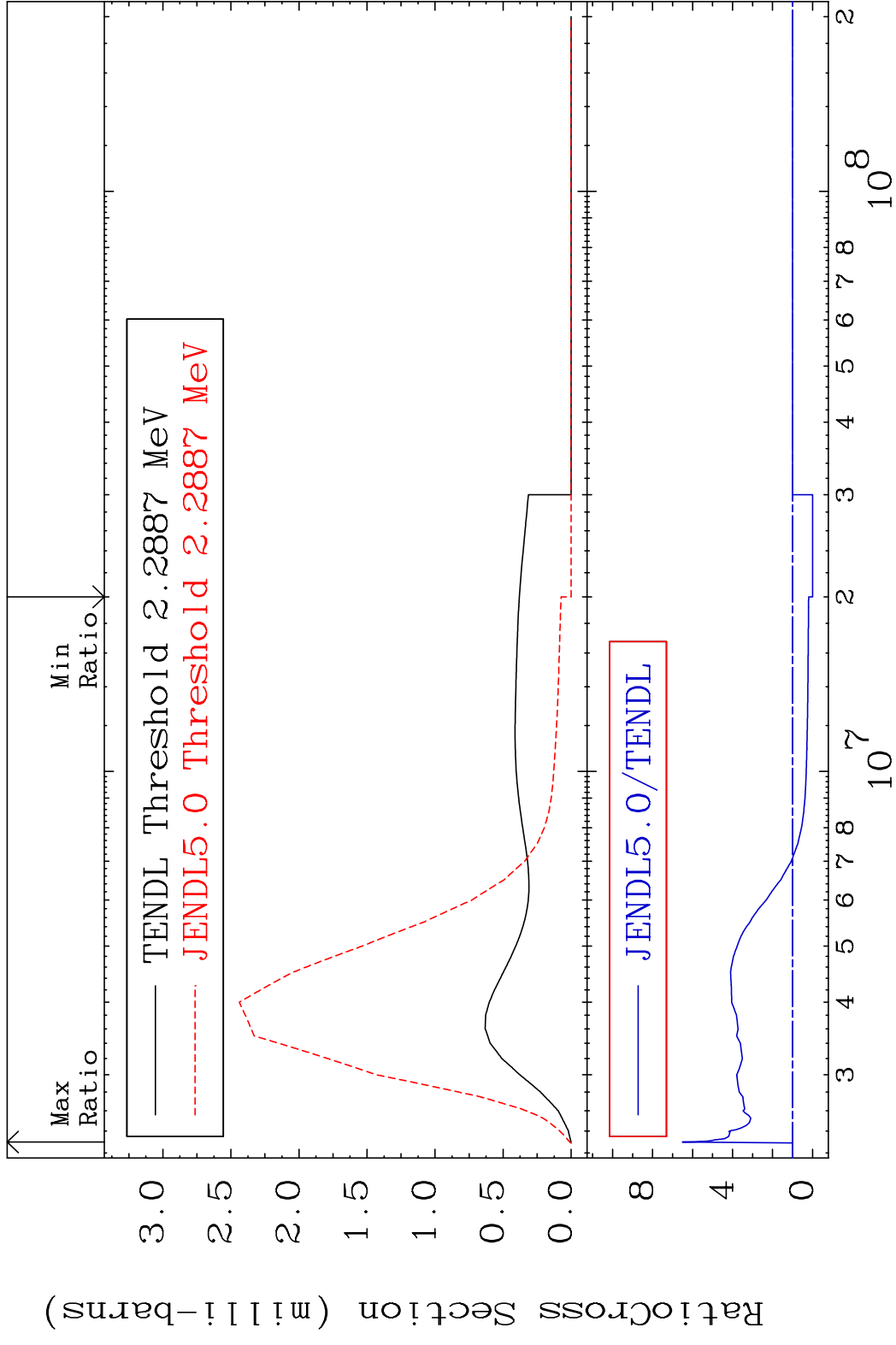




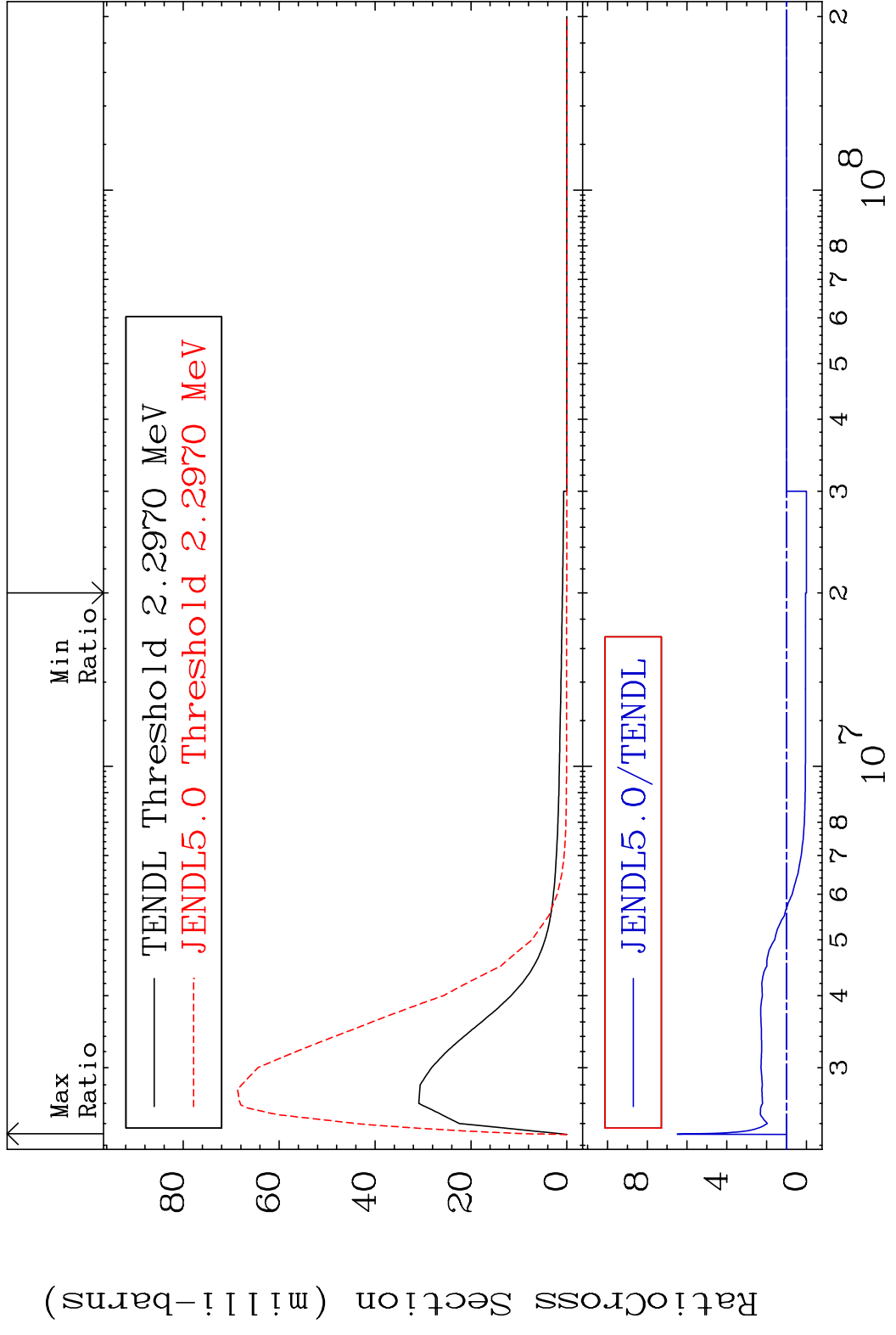
MAT 5637 MT= 65 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 210.9 %



MAT 5637 MT= 66 (n,n') Level 56-Ba-134  
 Cross Section -100.0 To 551.2 %

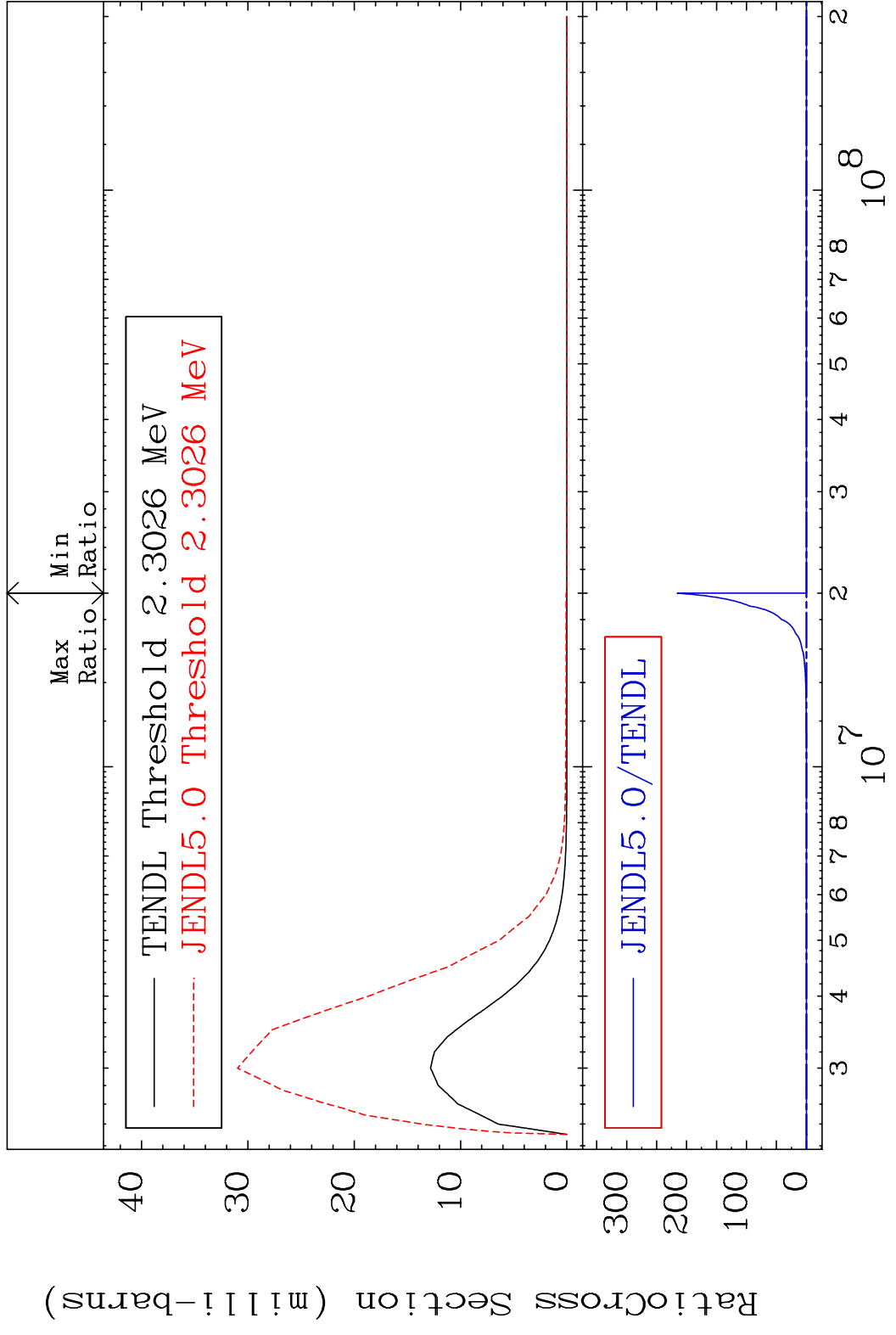


MAT 5637 MT= 67 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 549.5 %

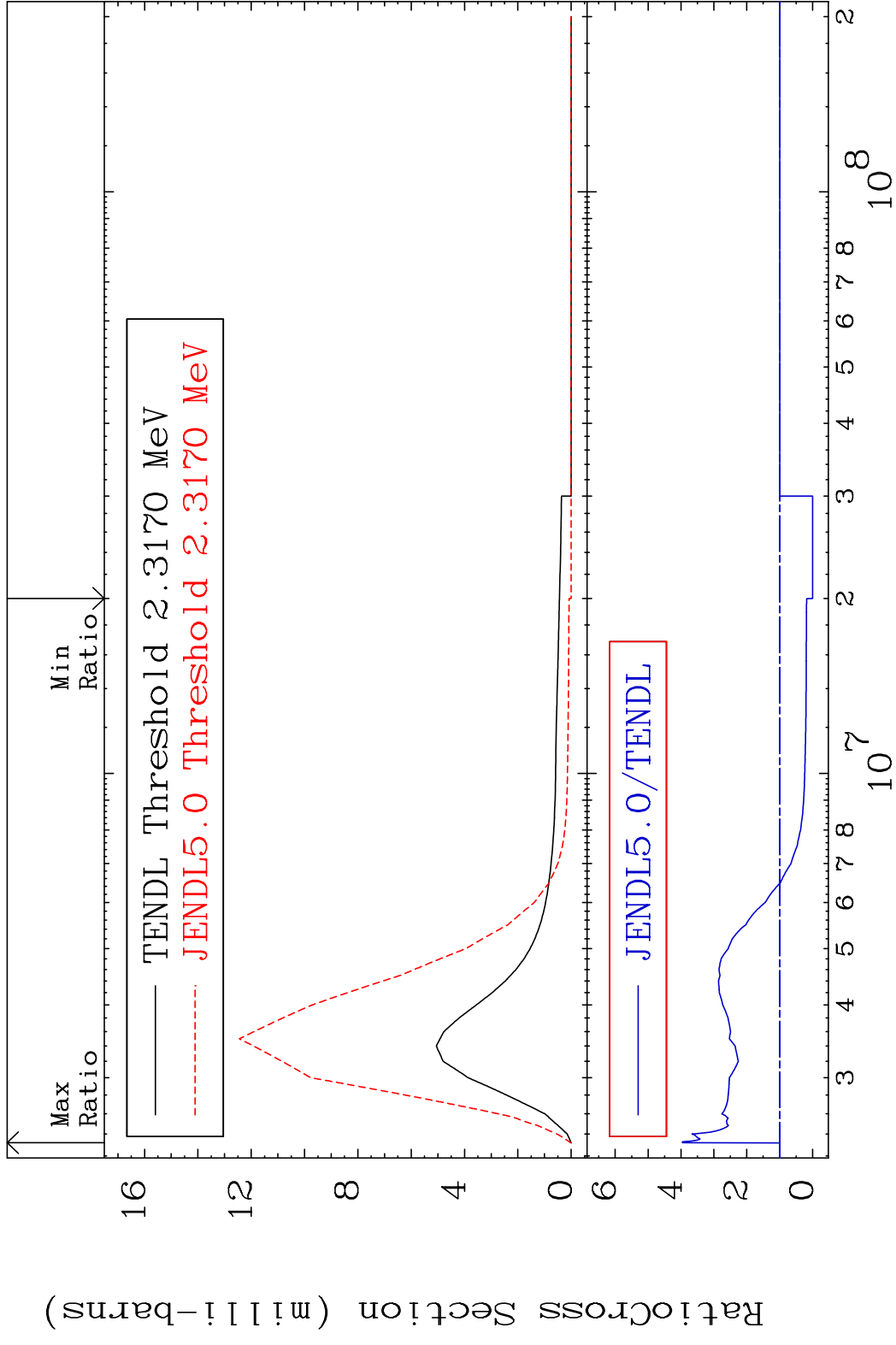


26 Incident Energy (eV) 56-Ba-134

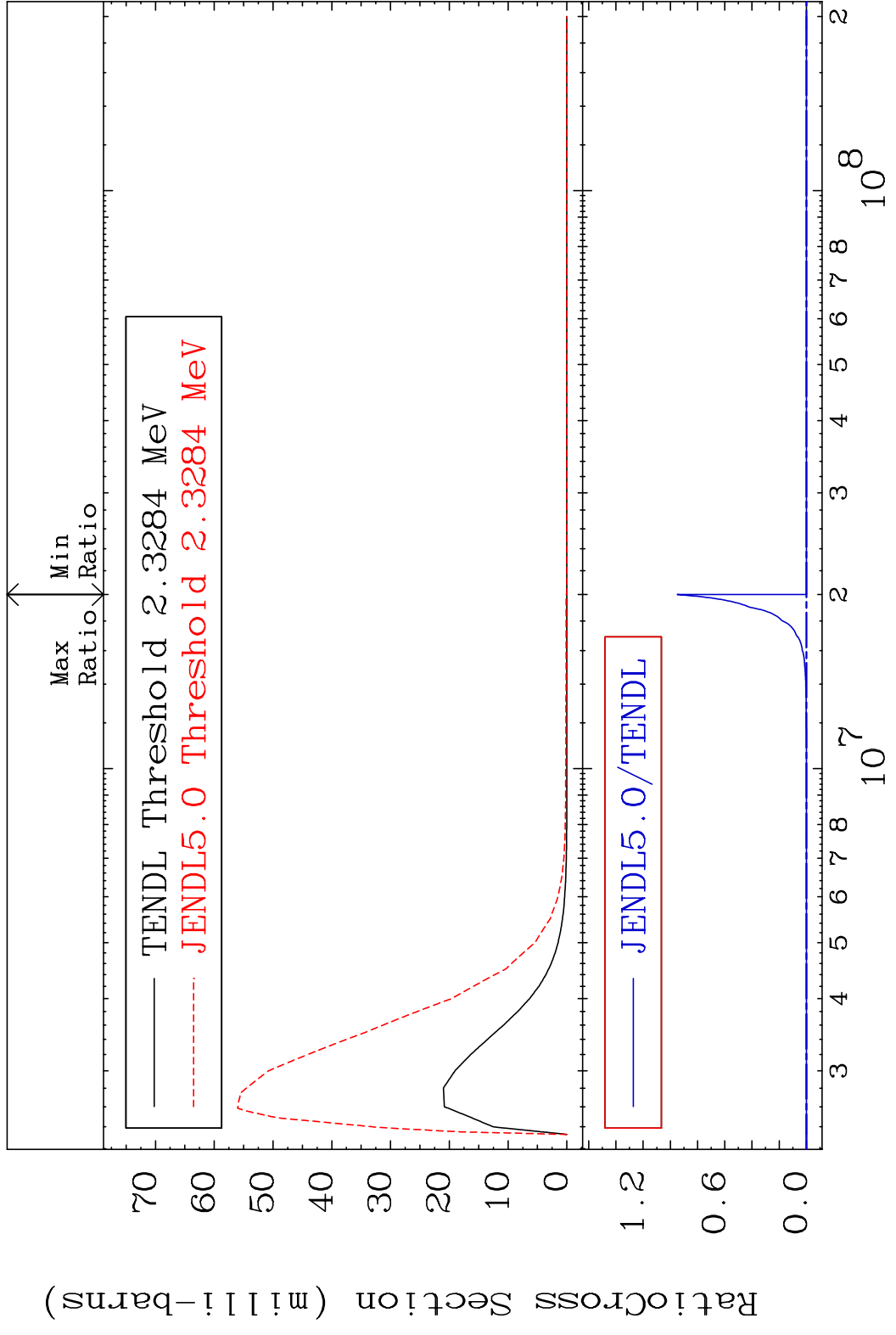
MAT 5637 MT= 68 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %



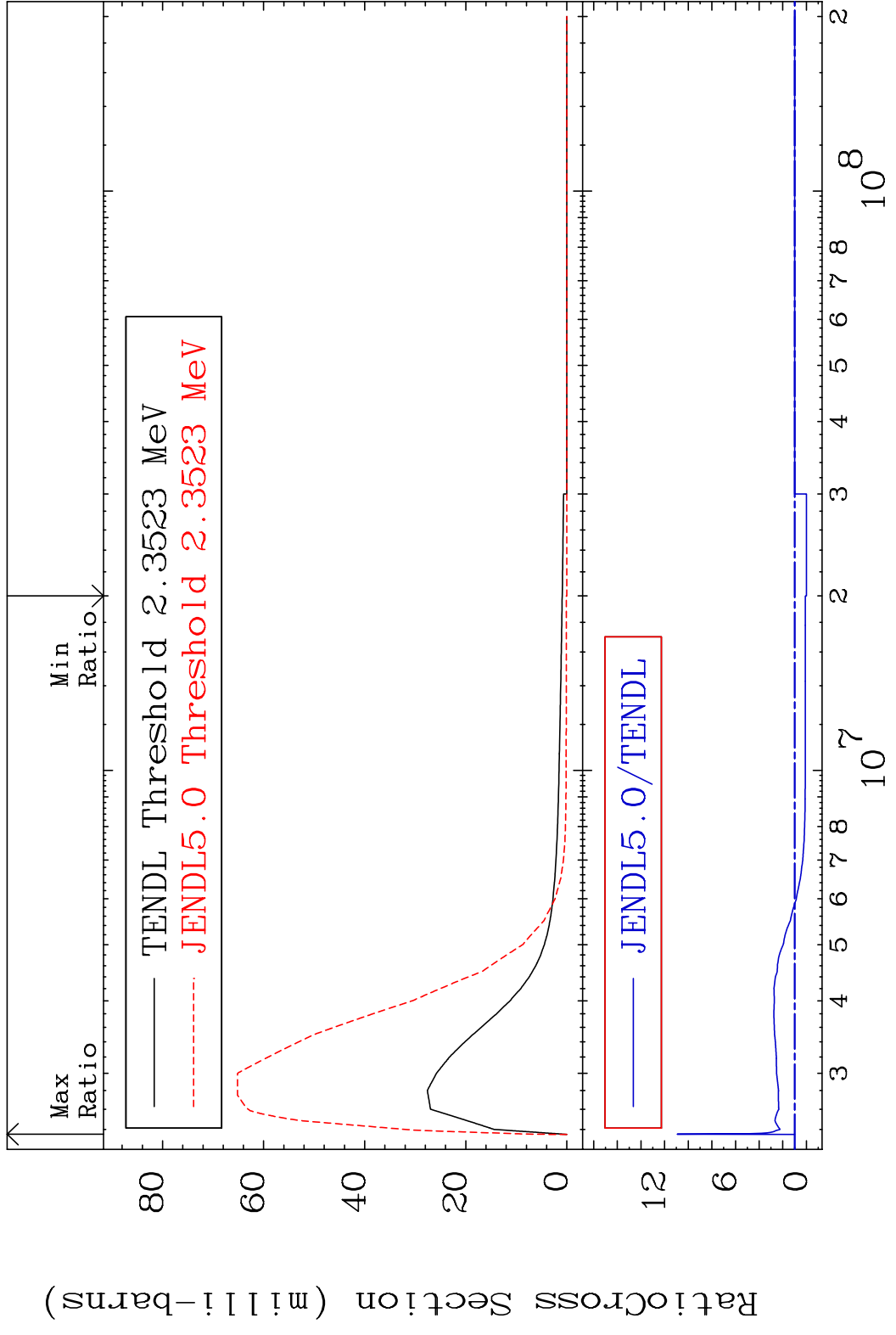
MAT 5637 MT= 69 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 295.9 %



MAT 5637 MT= 70 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %

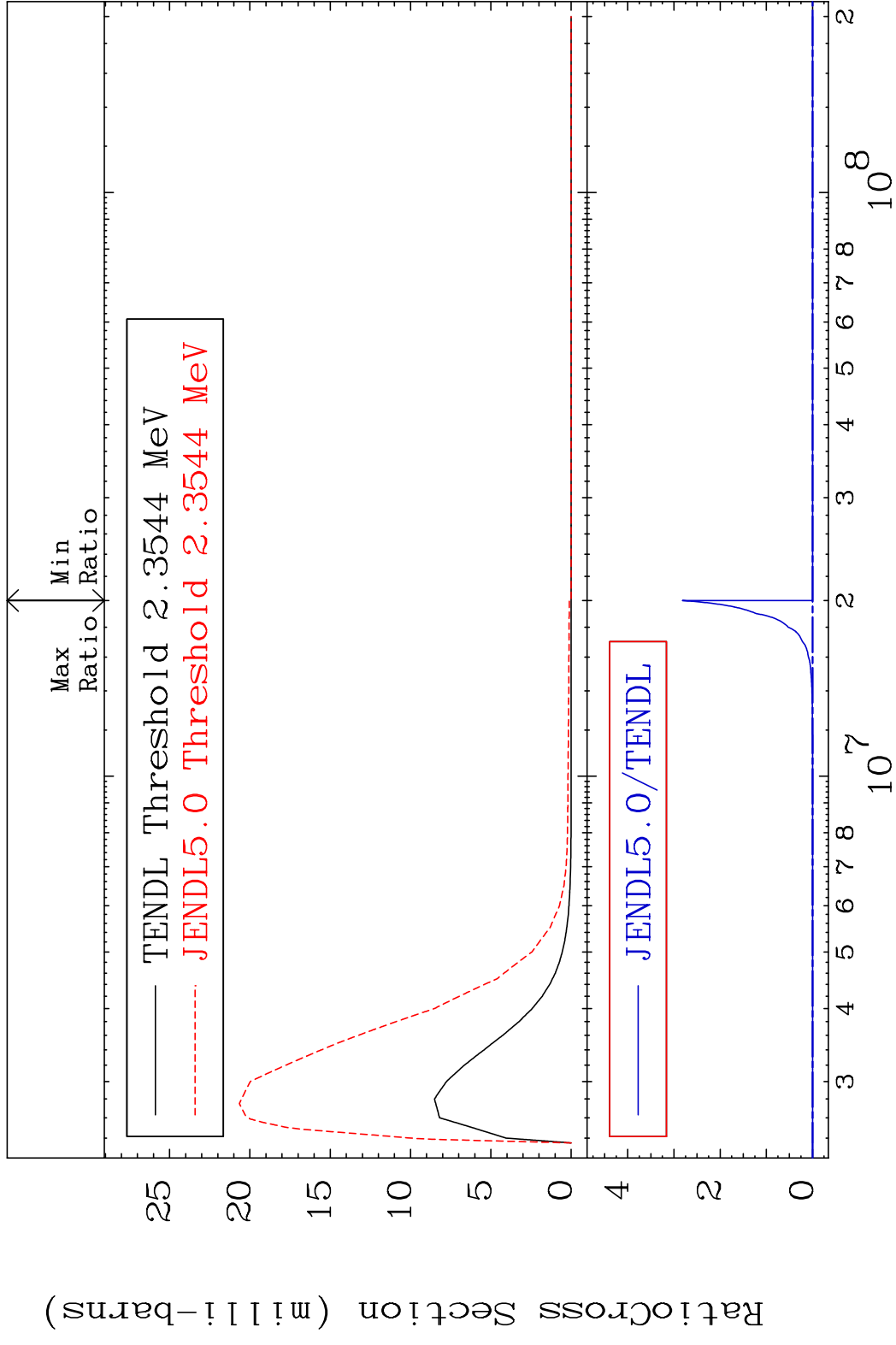


MAT 5637 MT= 71 (n,n') Level 56-Ba-134  
 Cross Section -100.0 To 993.6 %



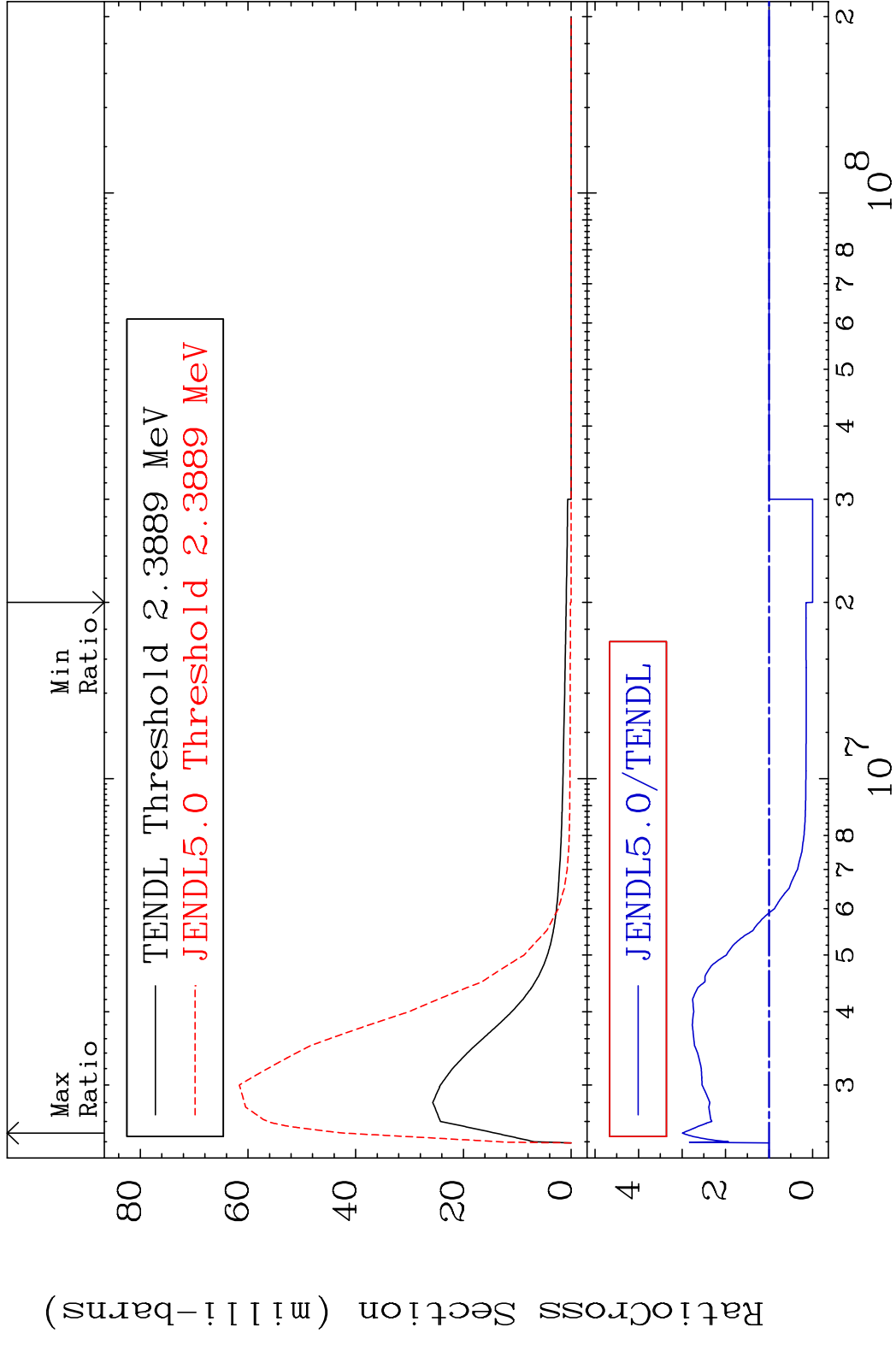
30 56-Ba-134

MAT 5637 MT= 72 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %

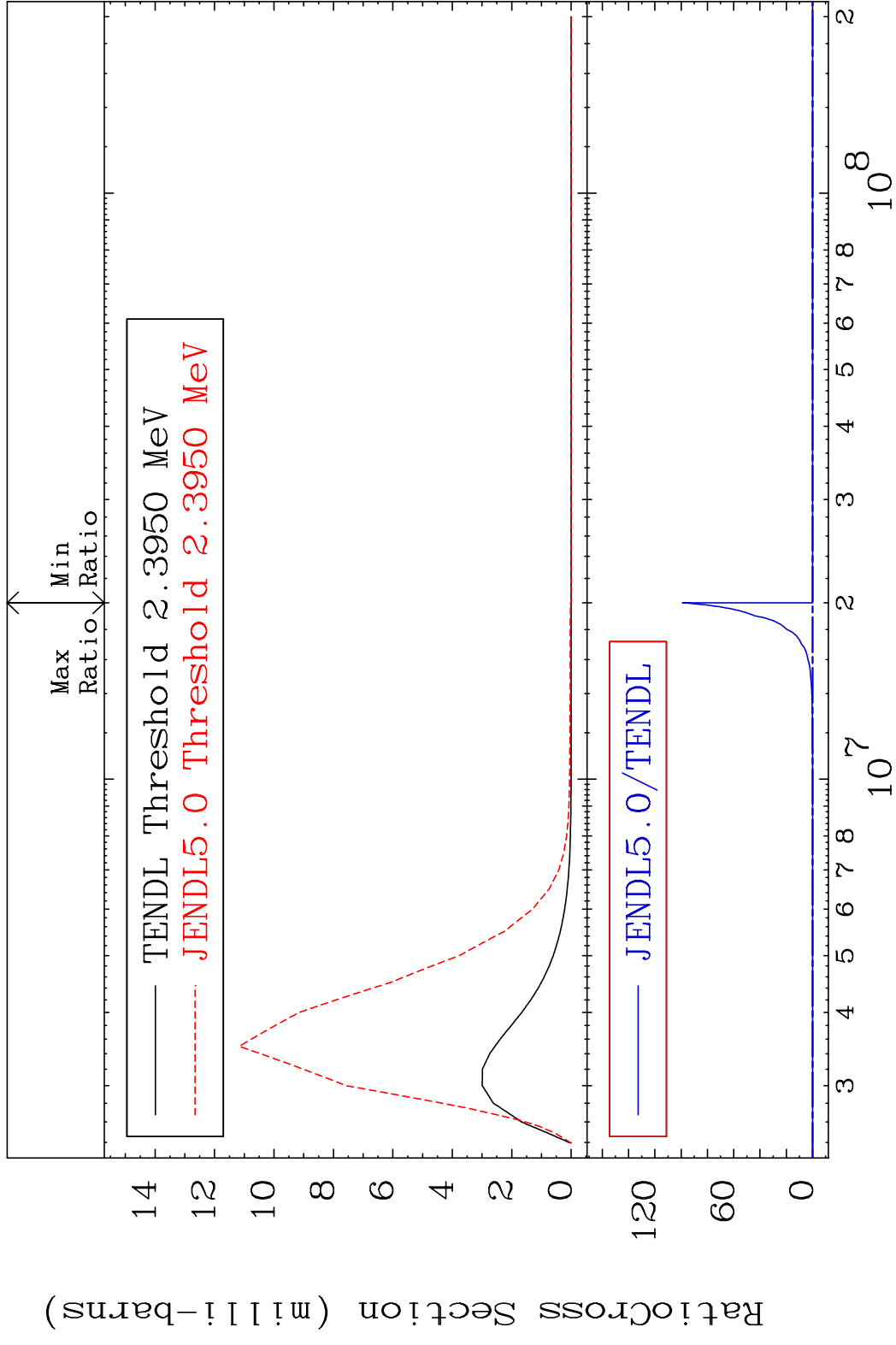




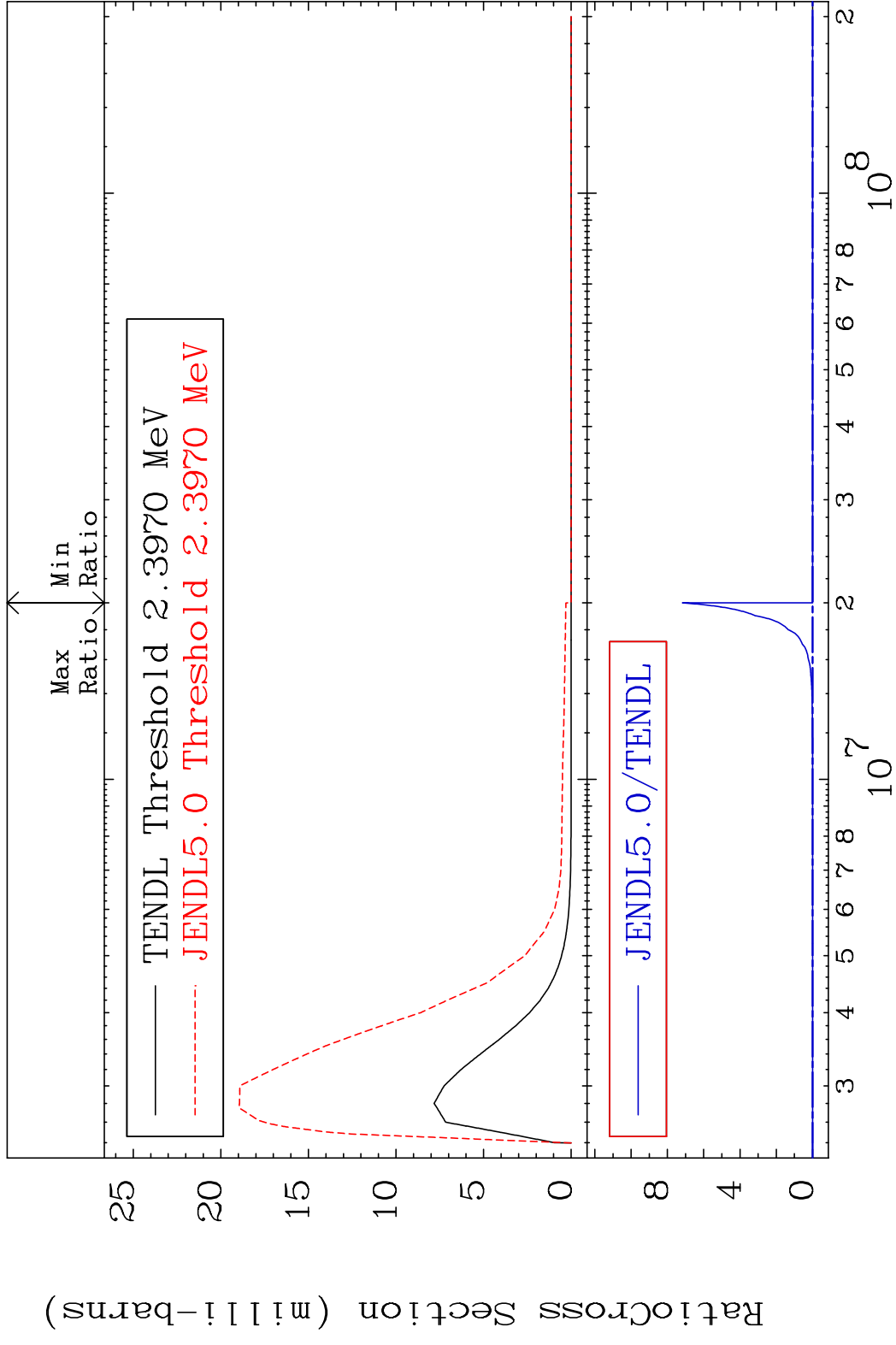
MAT 5637 MT= 73 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 199.3 %



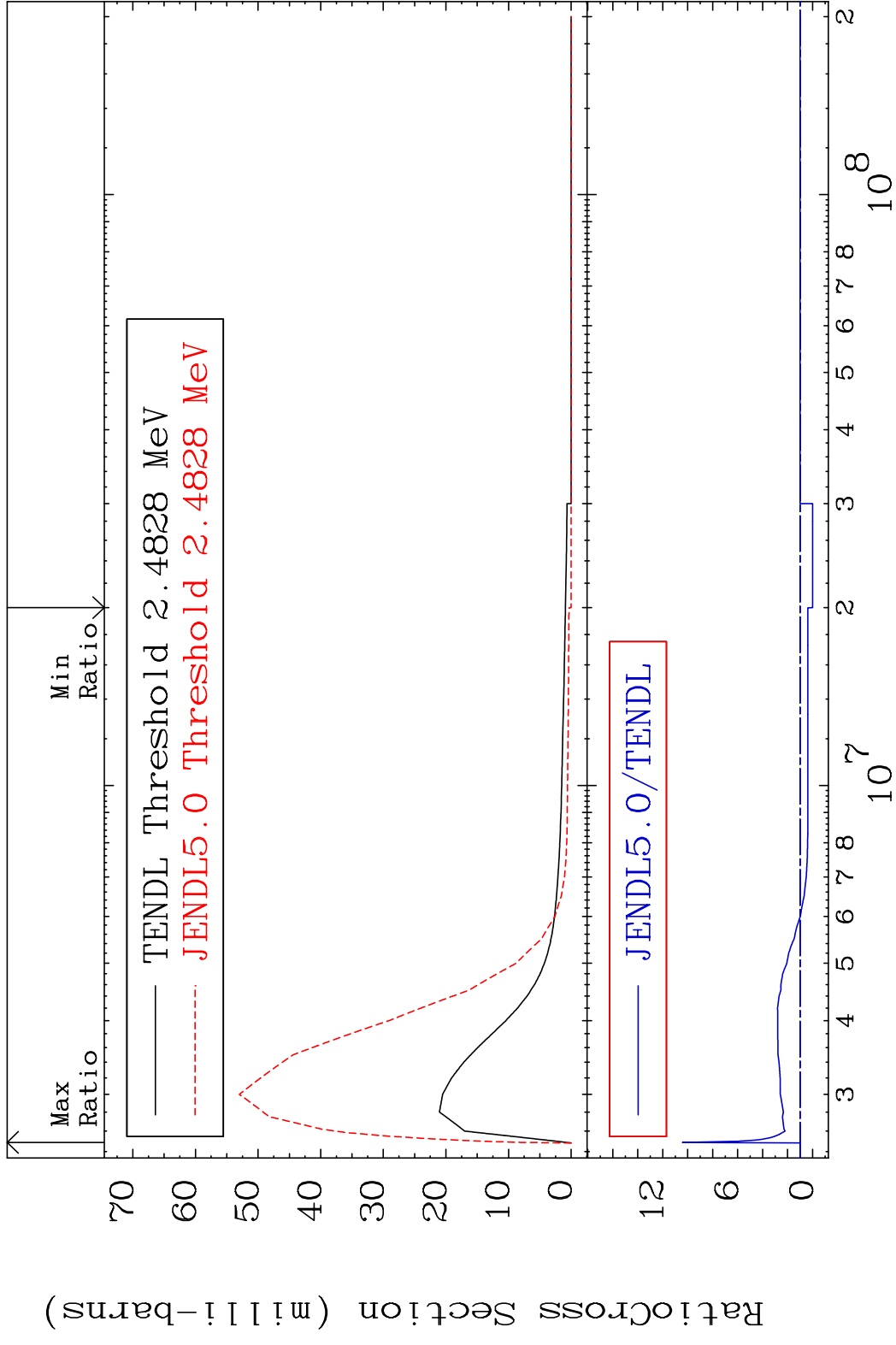
MAT 5637 MT= 74 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %



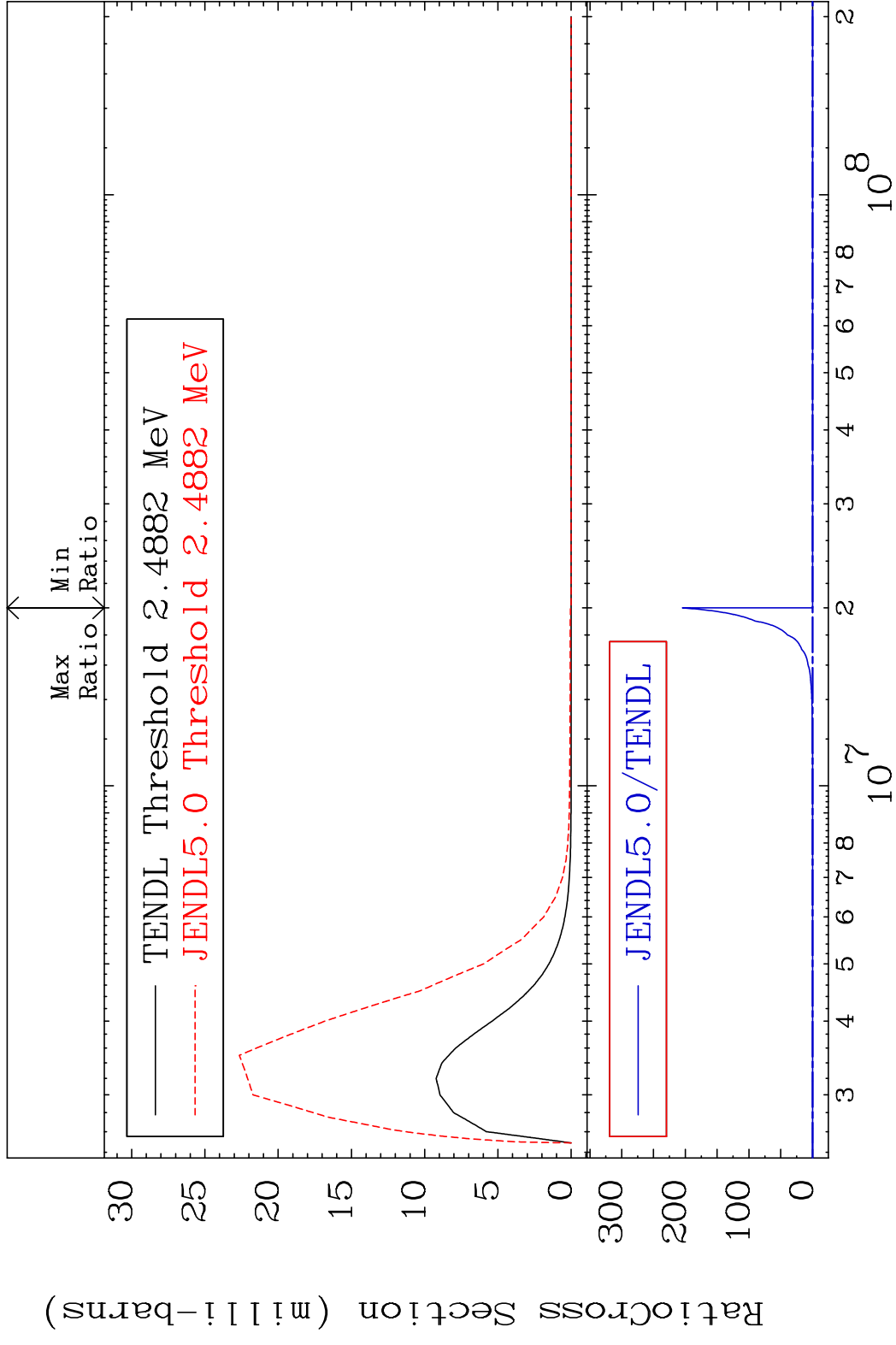
MAT 5637 MT= 75 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %



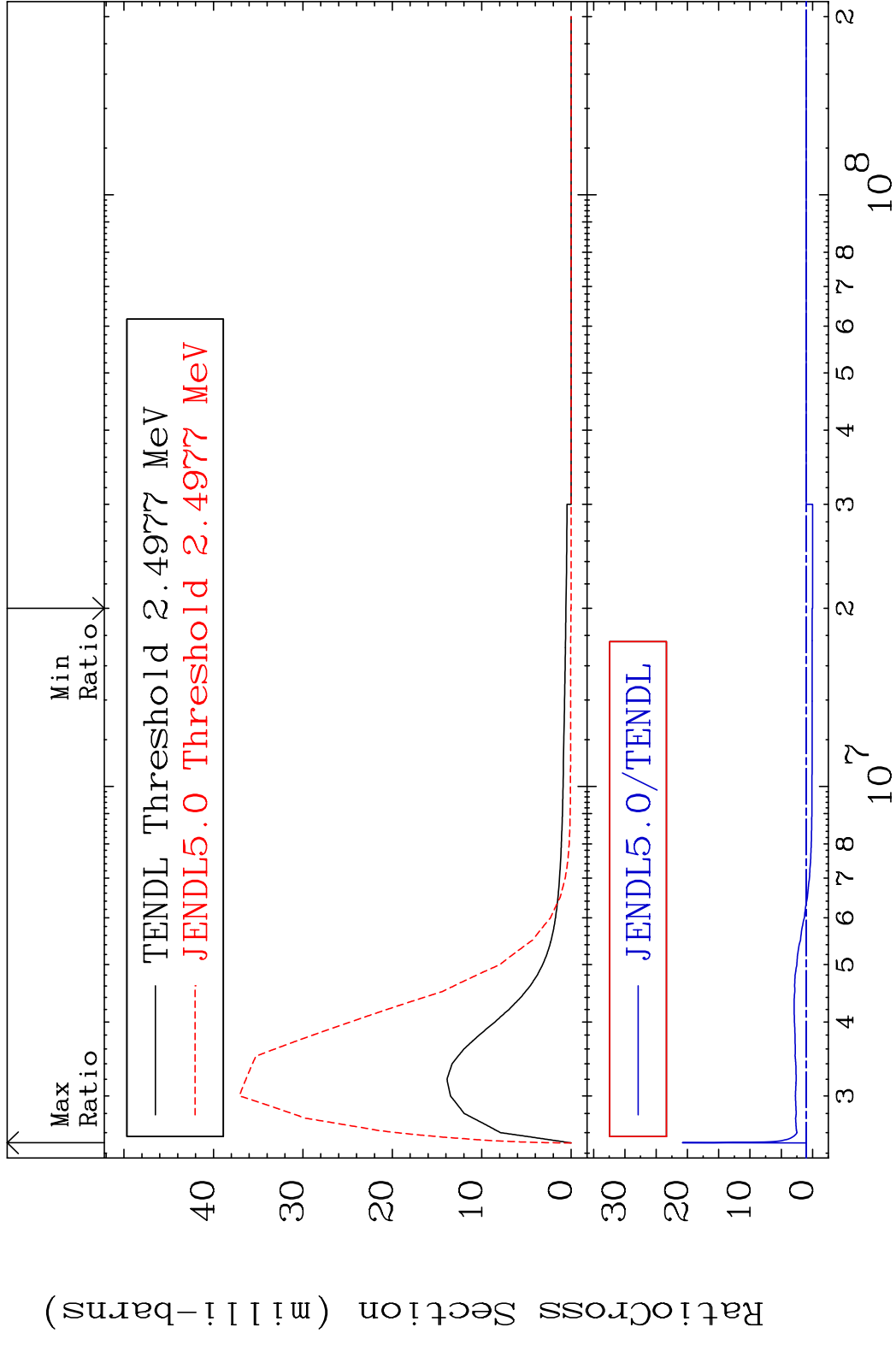
MAT 5637 MT= 76 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 942.8 %



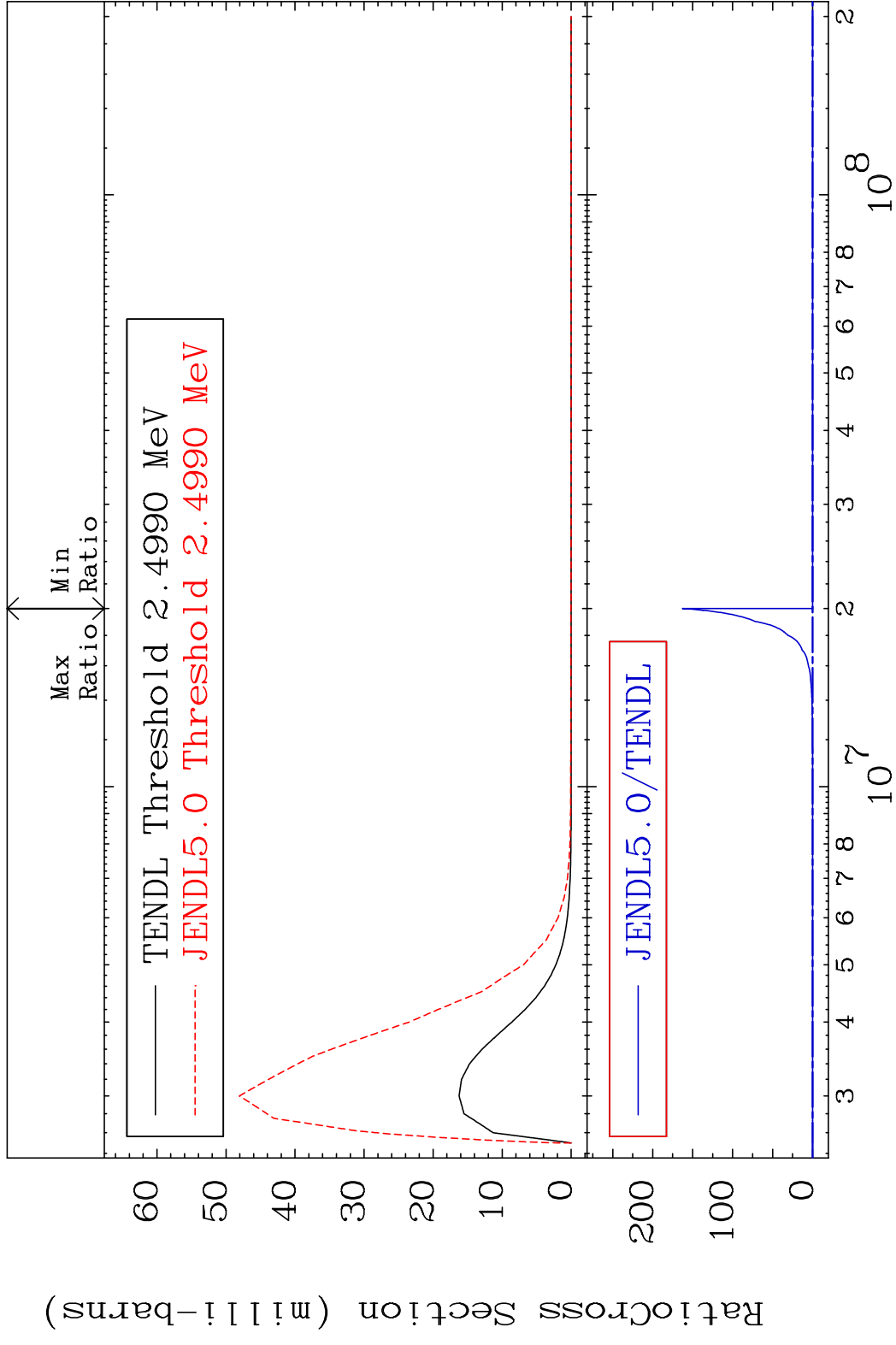
MAT 5637 MT= 77 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %



MAT 5637 MT= 78 (n,n') Level 56-Ba-134  
 Cross Section -100.0 To 1981. %



MAT 5637 MT= 79 (n, n') Level 56-Ba-134  
 Cross Section -100.0 To 9999. %

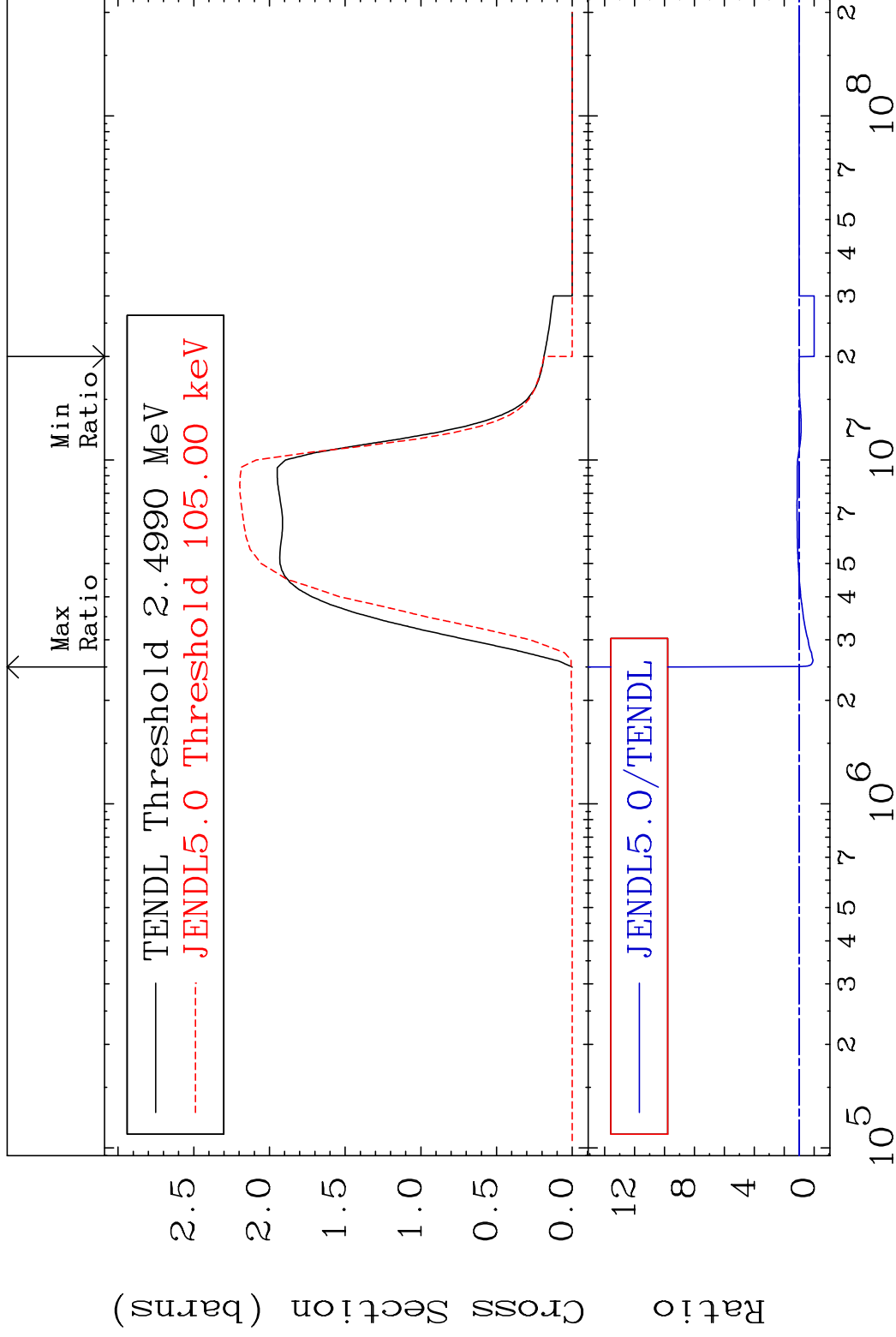


MAT 5637

(n, n') Continuum

56-Ba-134

Cross Section -100.0 To 772.2 %



39

Incident Energy (eV)

56-Ba-134

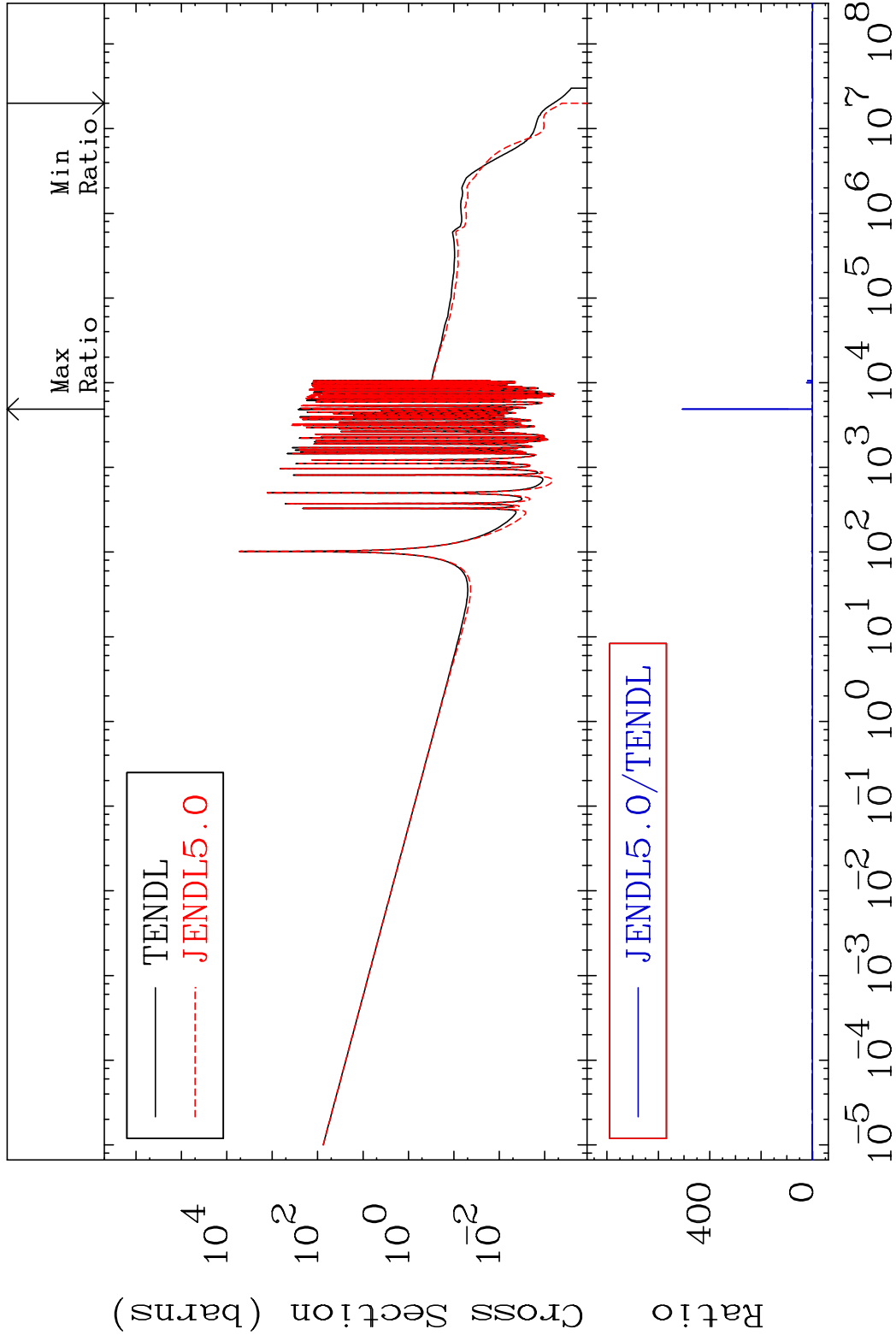


MAT 5637

(n,  $\gamma$ )

56-Ba-134

Cross Section -100.0 To 9999. %

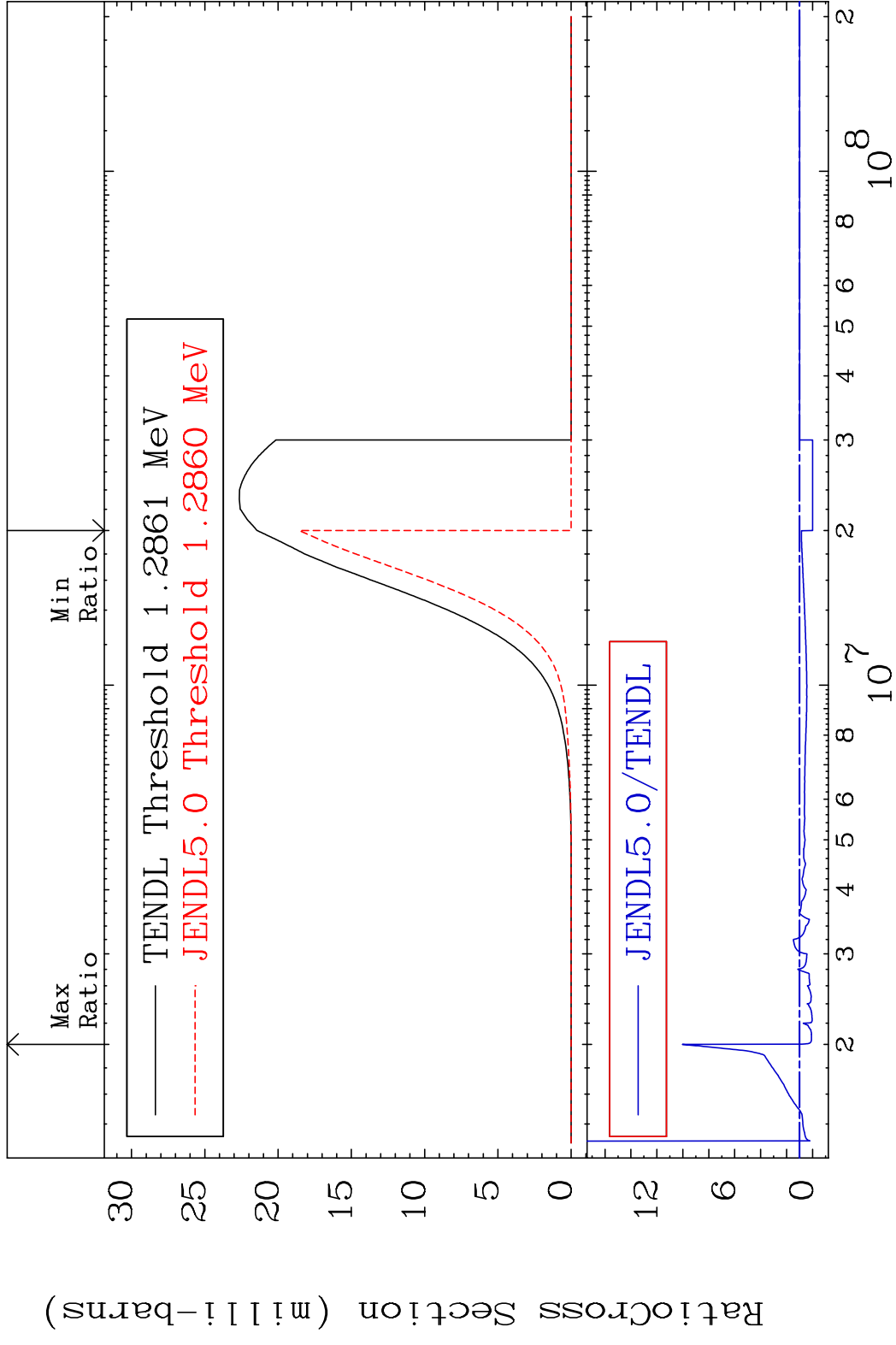


40

Incident Energy (eV)

56-Ba-134

MAT 5637 (n,p) 56-Ba-134  
 Cross Section -100.0 To 903.7 %

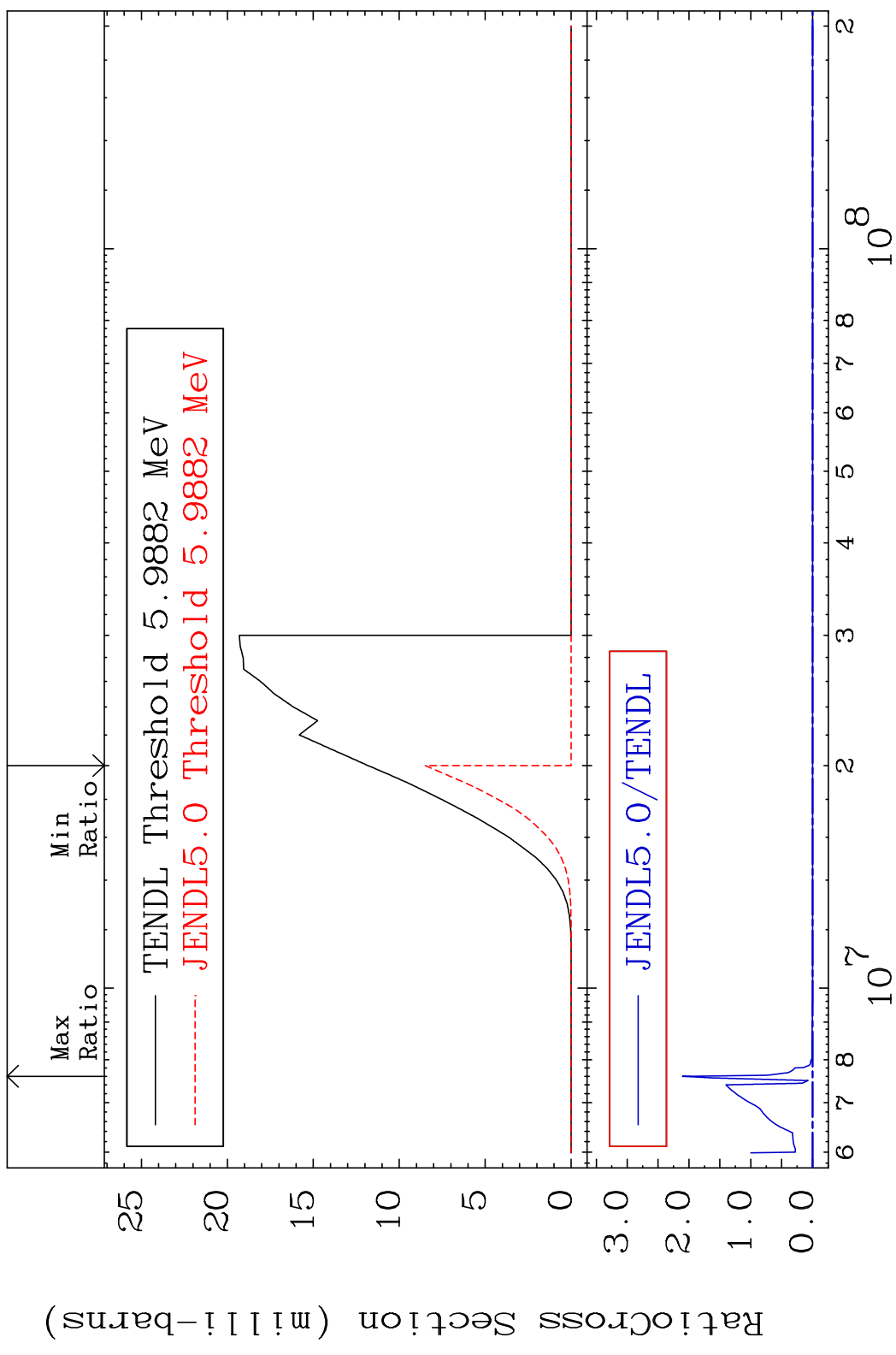


MAT 5637

(n,d)

56-Ba-134

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

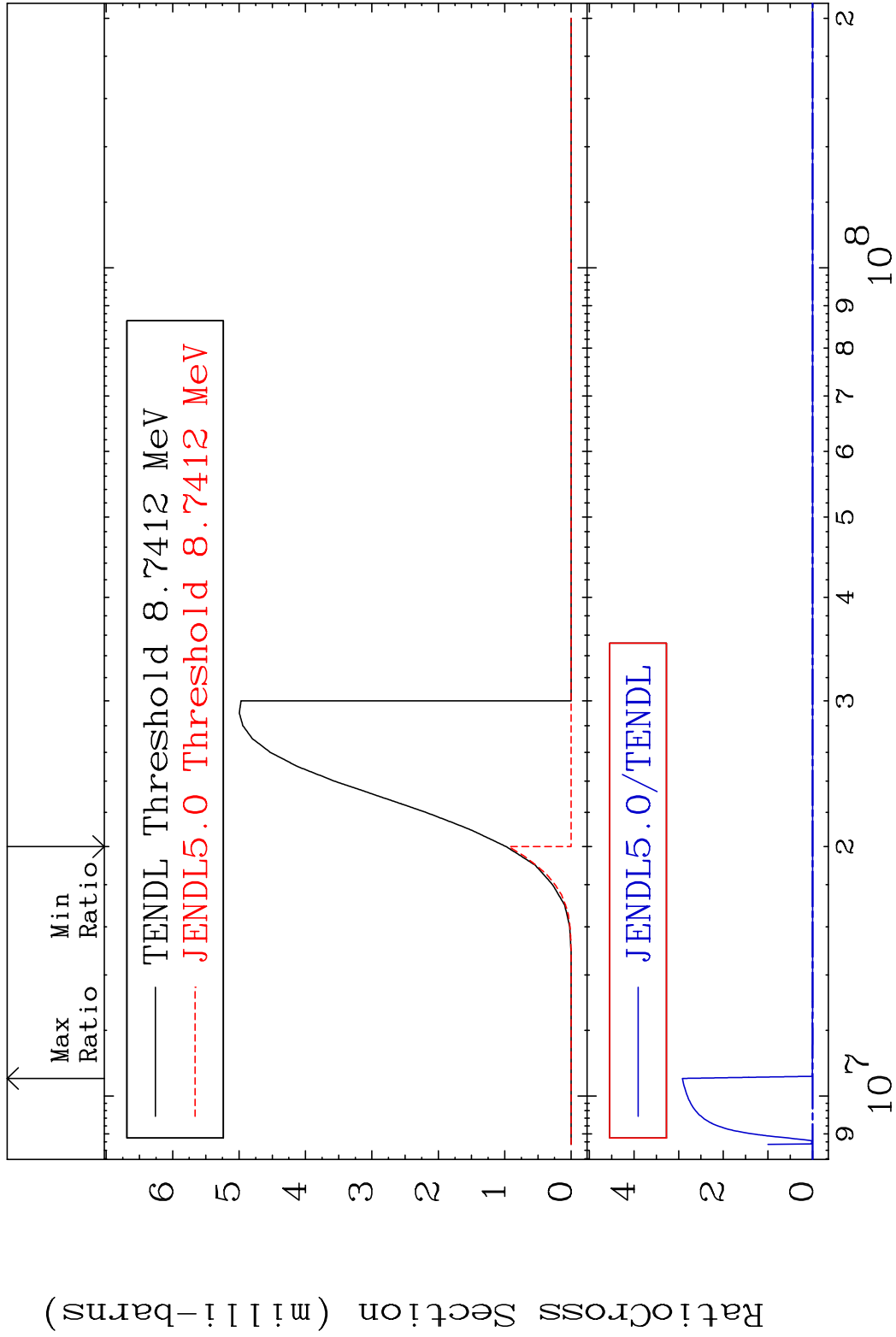
56-Ba-134

MAT 5637

(n, t)

56-Ba-134

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

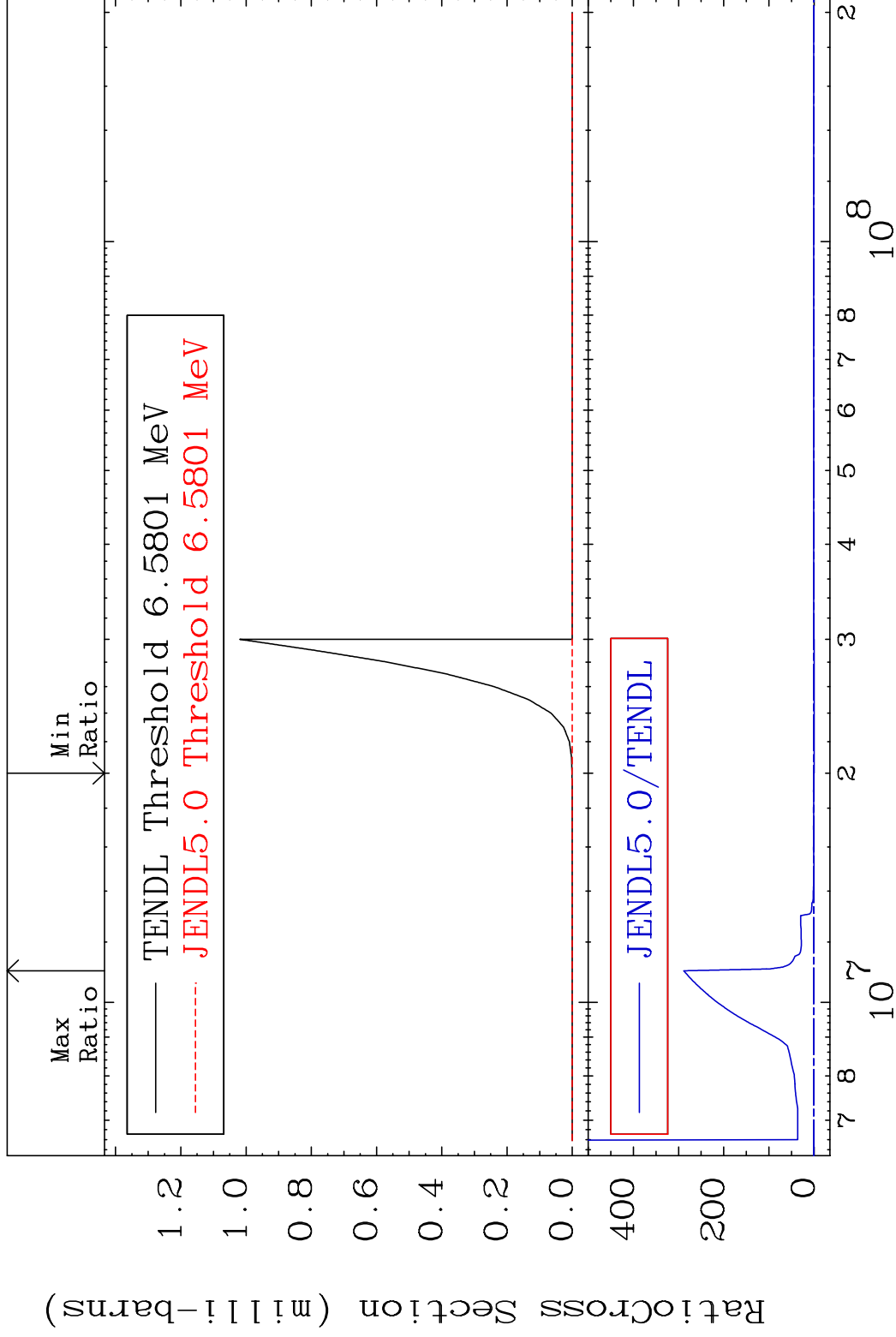
56-Ba-134

MAT 5637

(n, He-3)

56-Ba-134

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

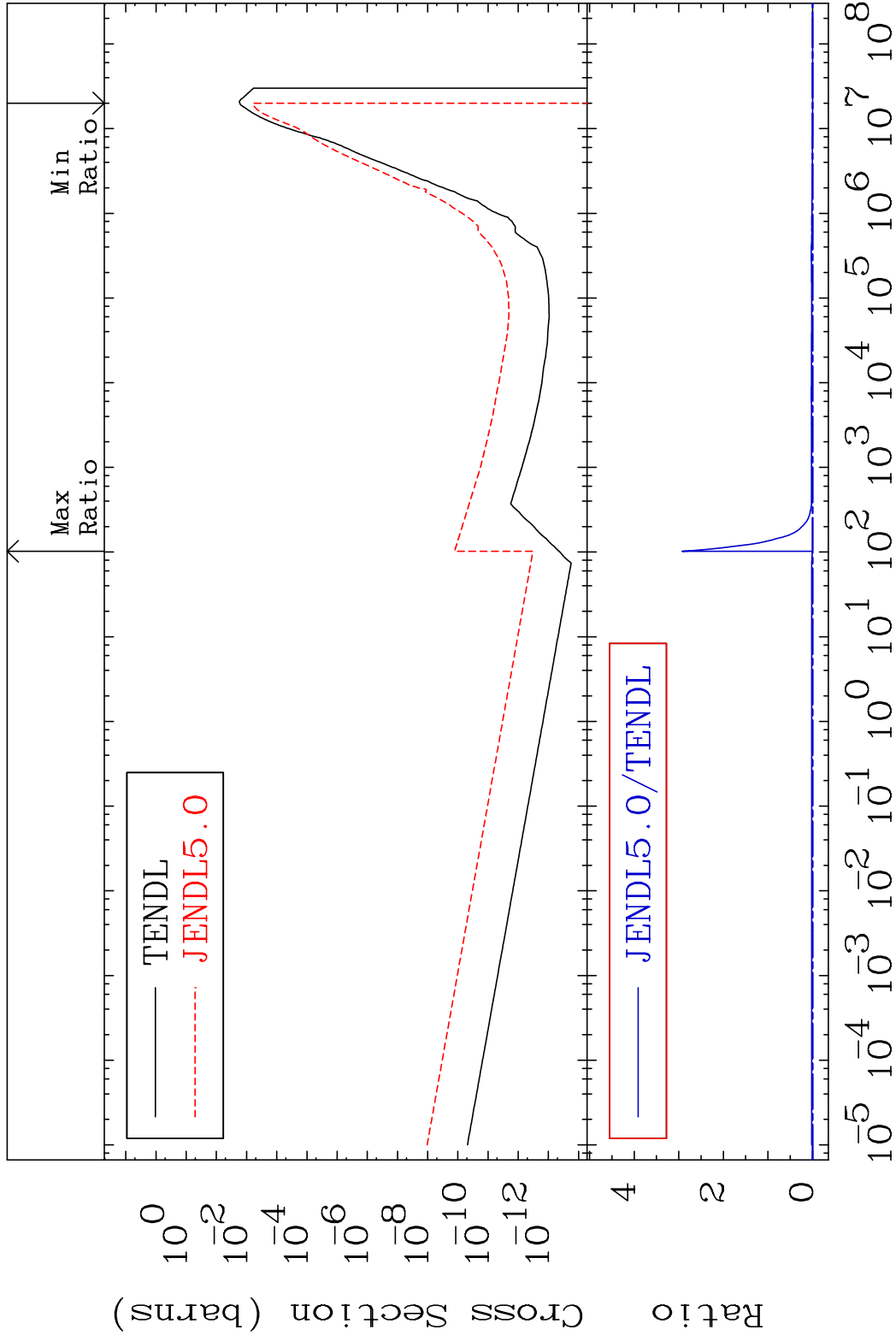
56-Ba-134

MAT 5637

(n,  $\alpha$ )

56-Ba-134

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

56-Ba-134

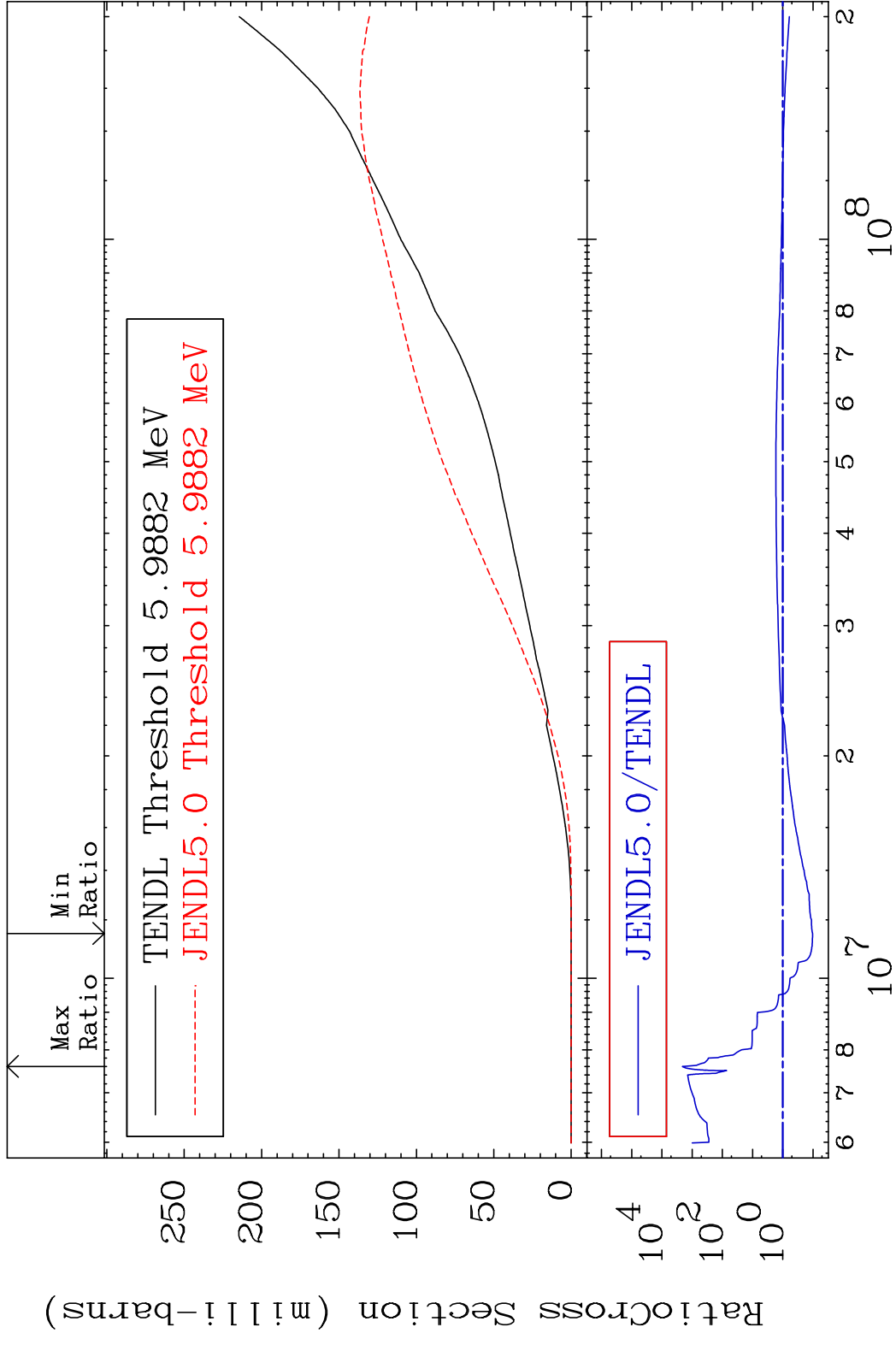


MAT 5637

Deuterium Production

56-Ba-134

Cross Section -89.69 To 9999. %



47

Incident Energy (eV)

56-Ba-134

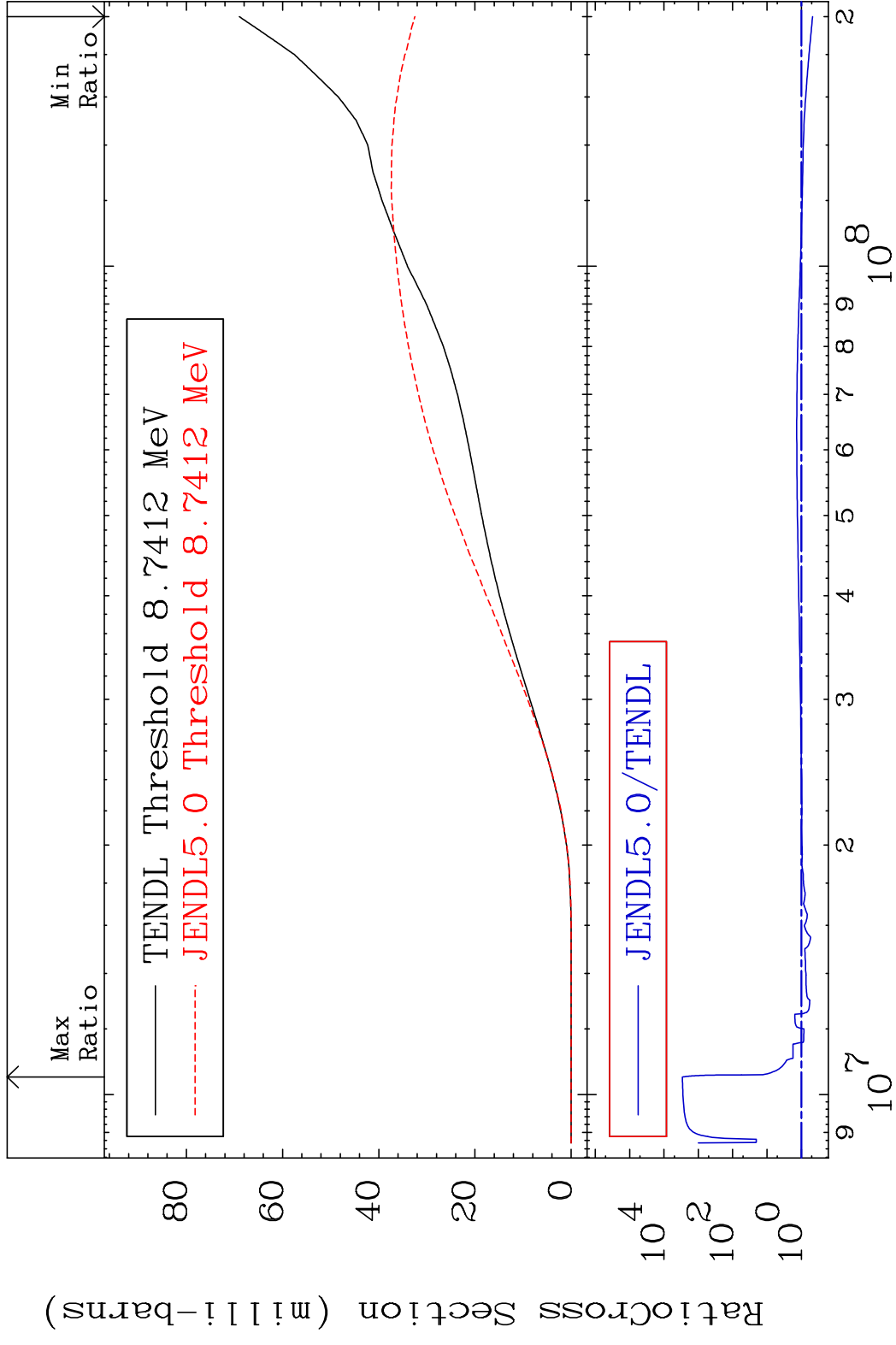


MAT 5637

Tritium Production

56-Ba-134

Cross Section -52.90 To 9999. %



48

Incident Energy (eV)

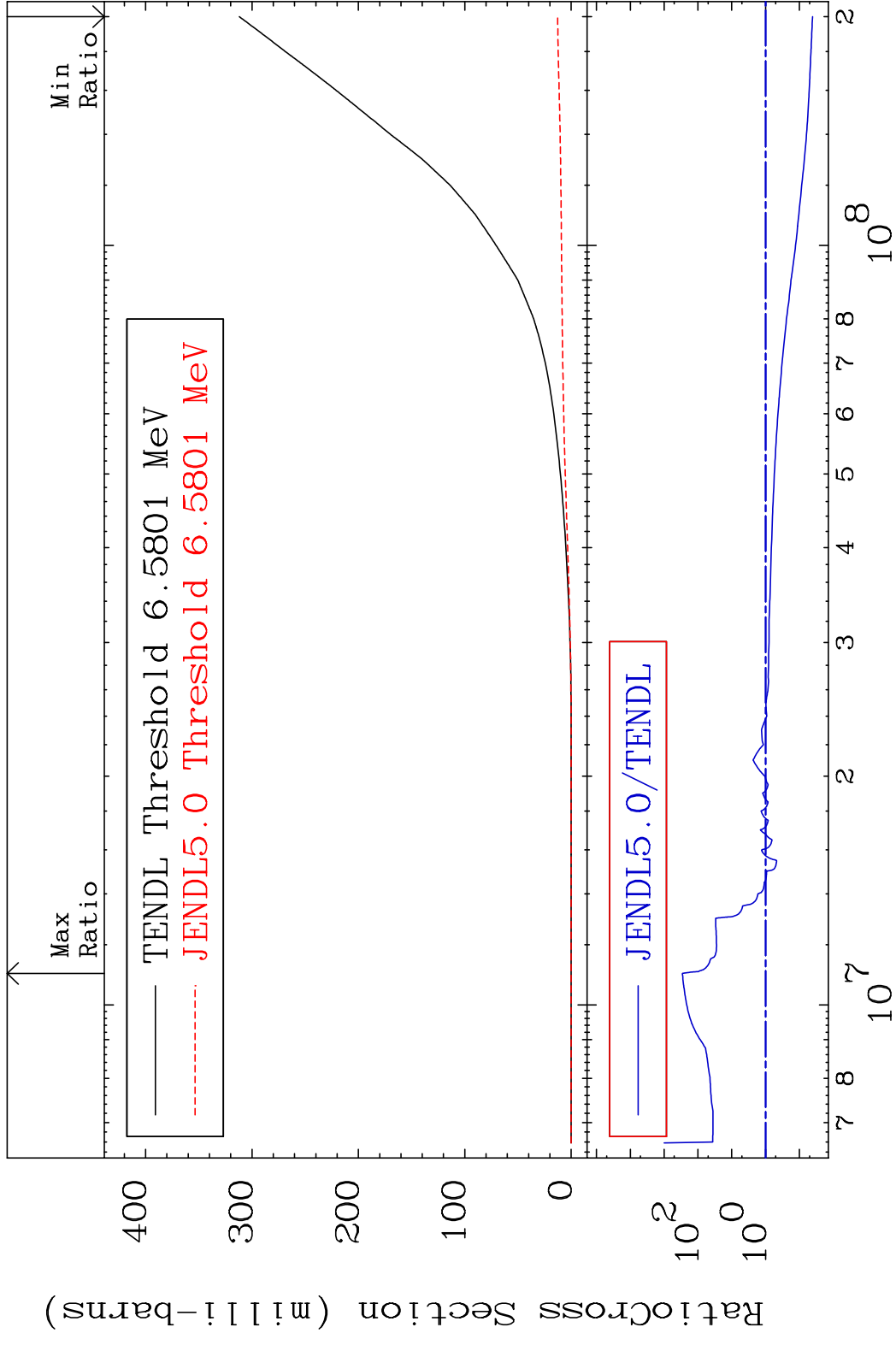
56-Ba-134

MAT 5637

He-3 Production

56-Ba-134

Cross Section -95.92 To 9999. %

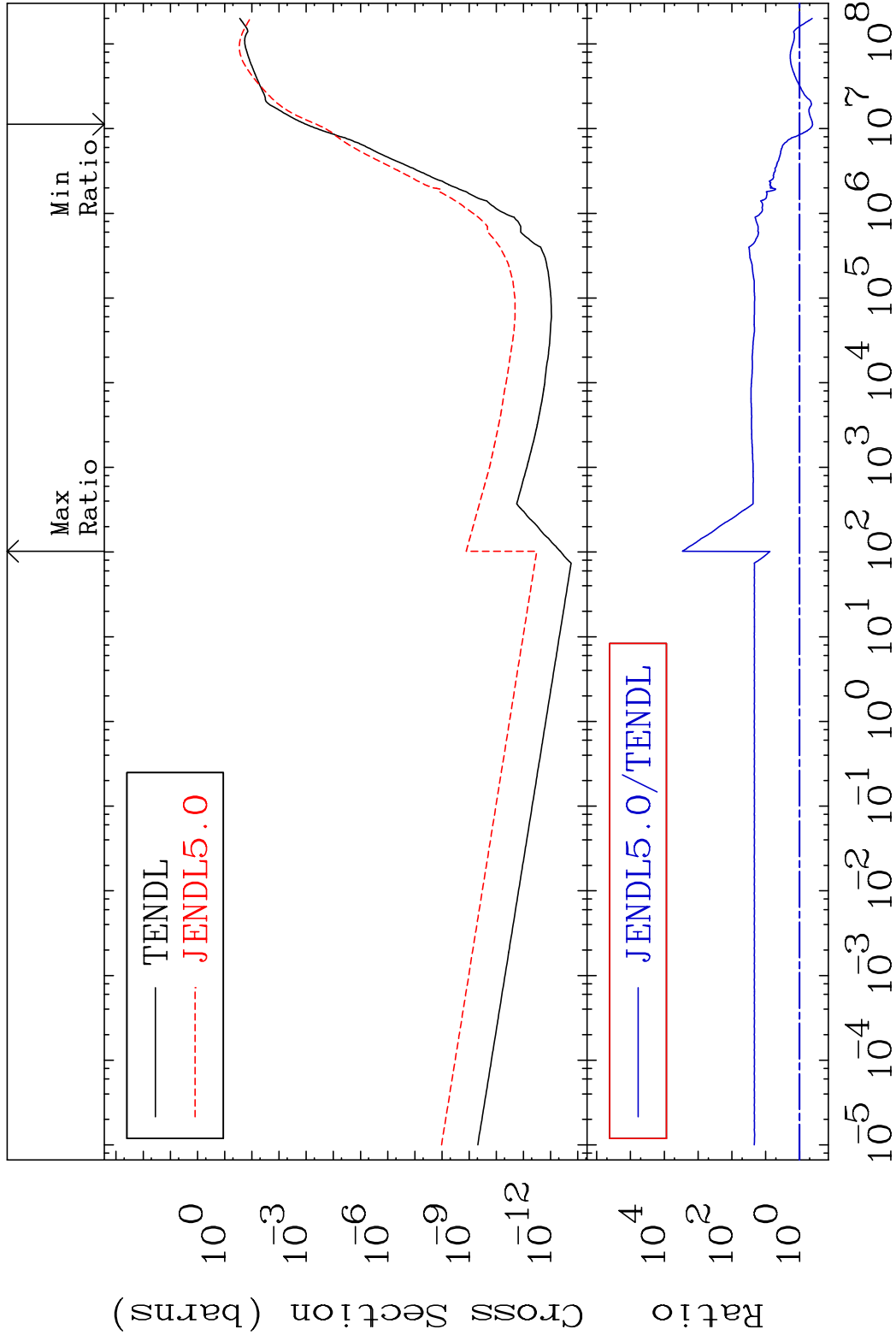


MAT 5637

He-4 Production

56-Ba-134

Cross Section -58.74 To 9999. %



50

Incident Energy (eV)

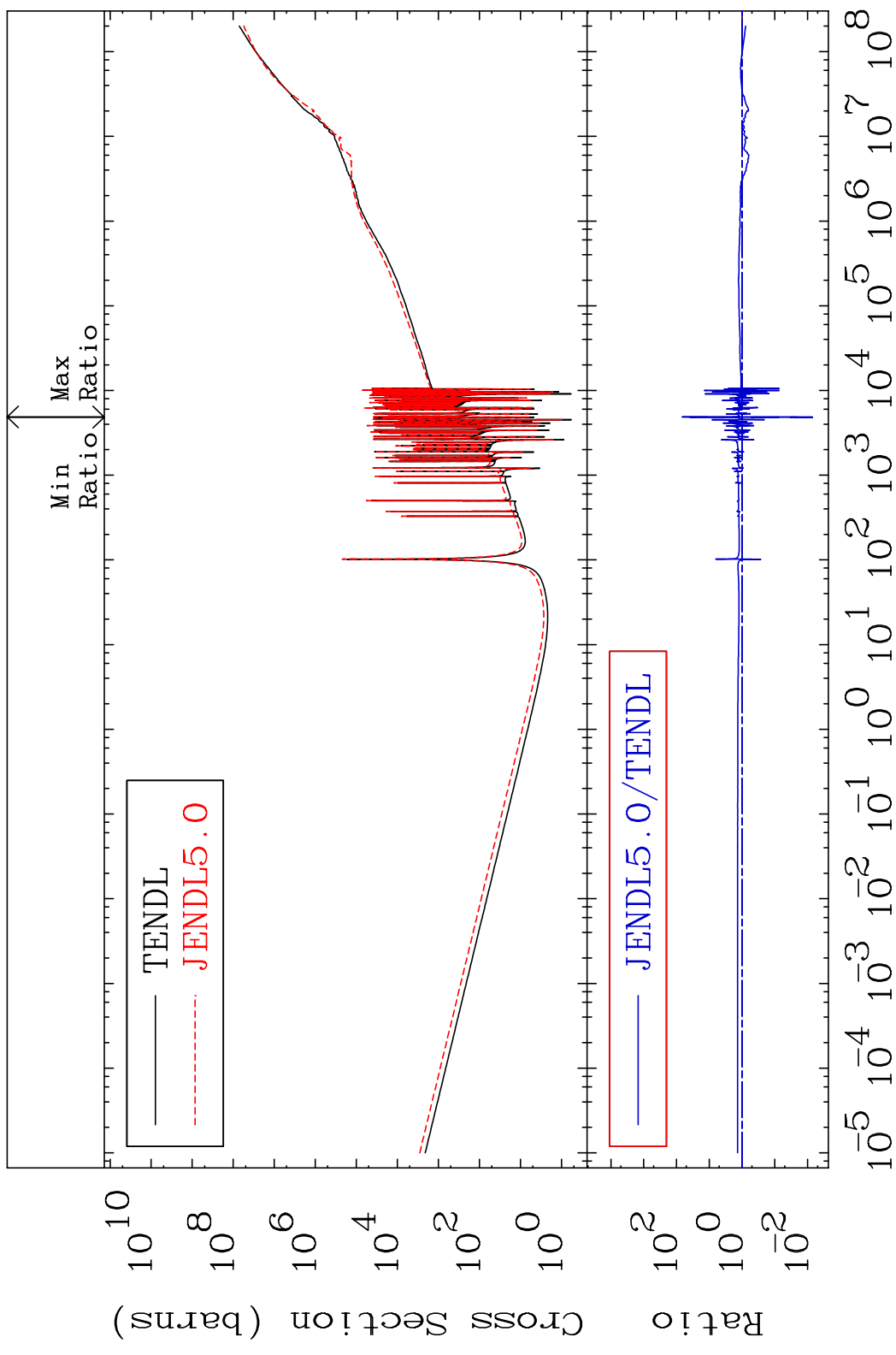
56-Ba-134

MAT 5637

Kerma total (eV-barns)

56-Ba-134

Cross Section -99.29 To 6525. %



51

Incident Energy (eV)

56-Ba-134

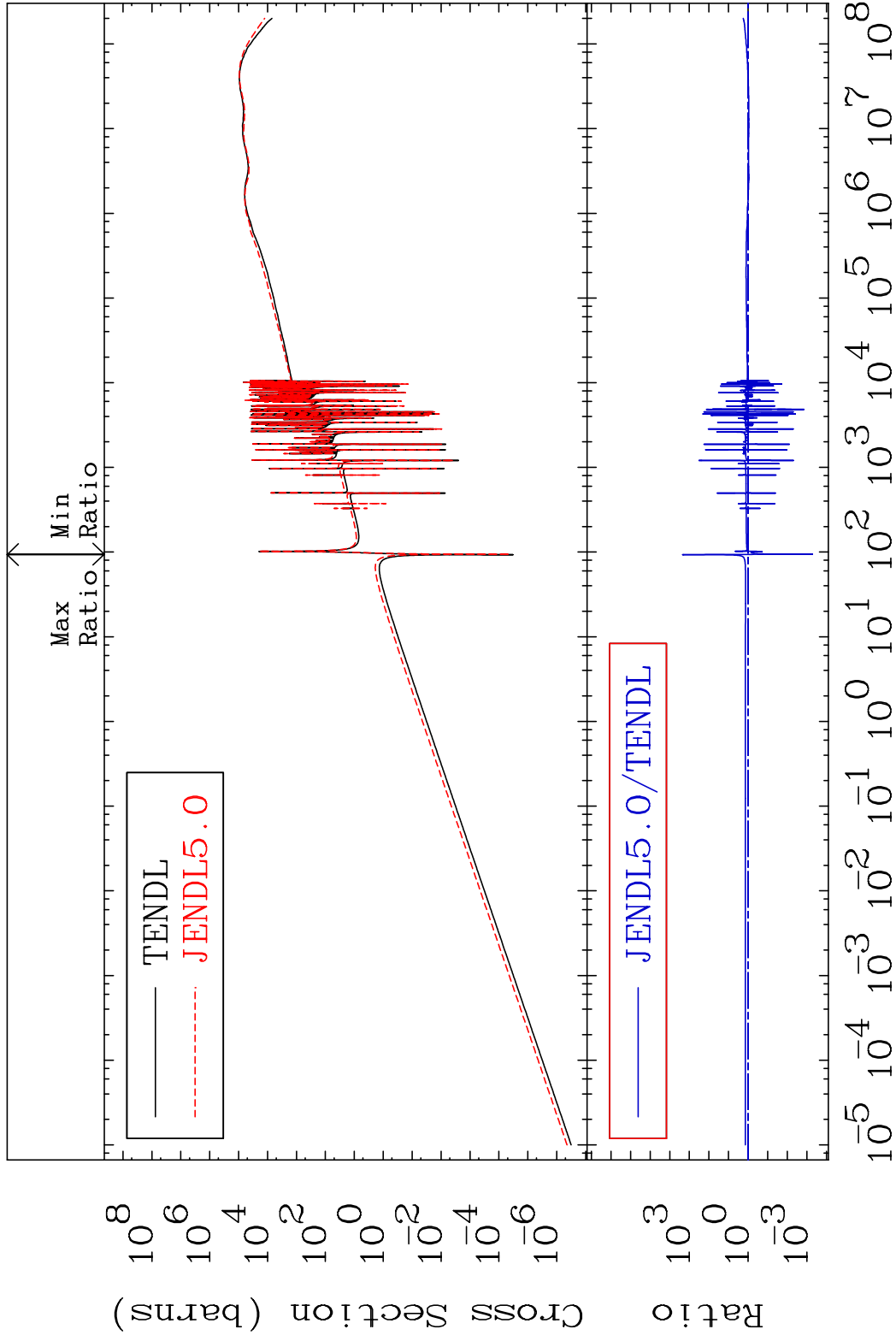
MAT 5637

Kerma elastic

56-Ba-134

Cross Section

-99.95 To 9999. %

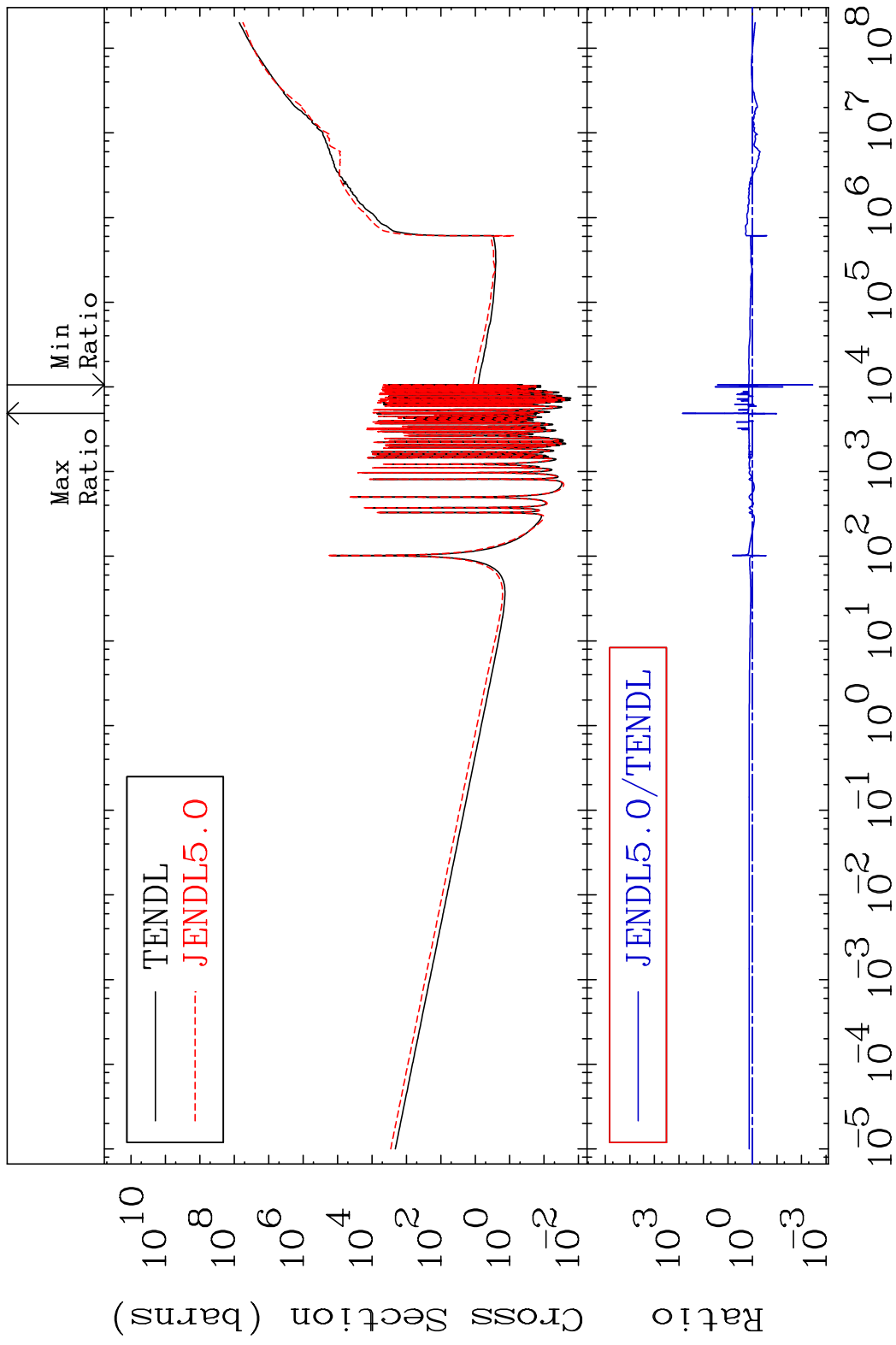


52

Incident Energy (eV)

56-Ba-134

MAT 5637 Kerma non-elastic (all but mt2) 56-Ba-134  
 Cross Section -99.65 To 9999. %

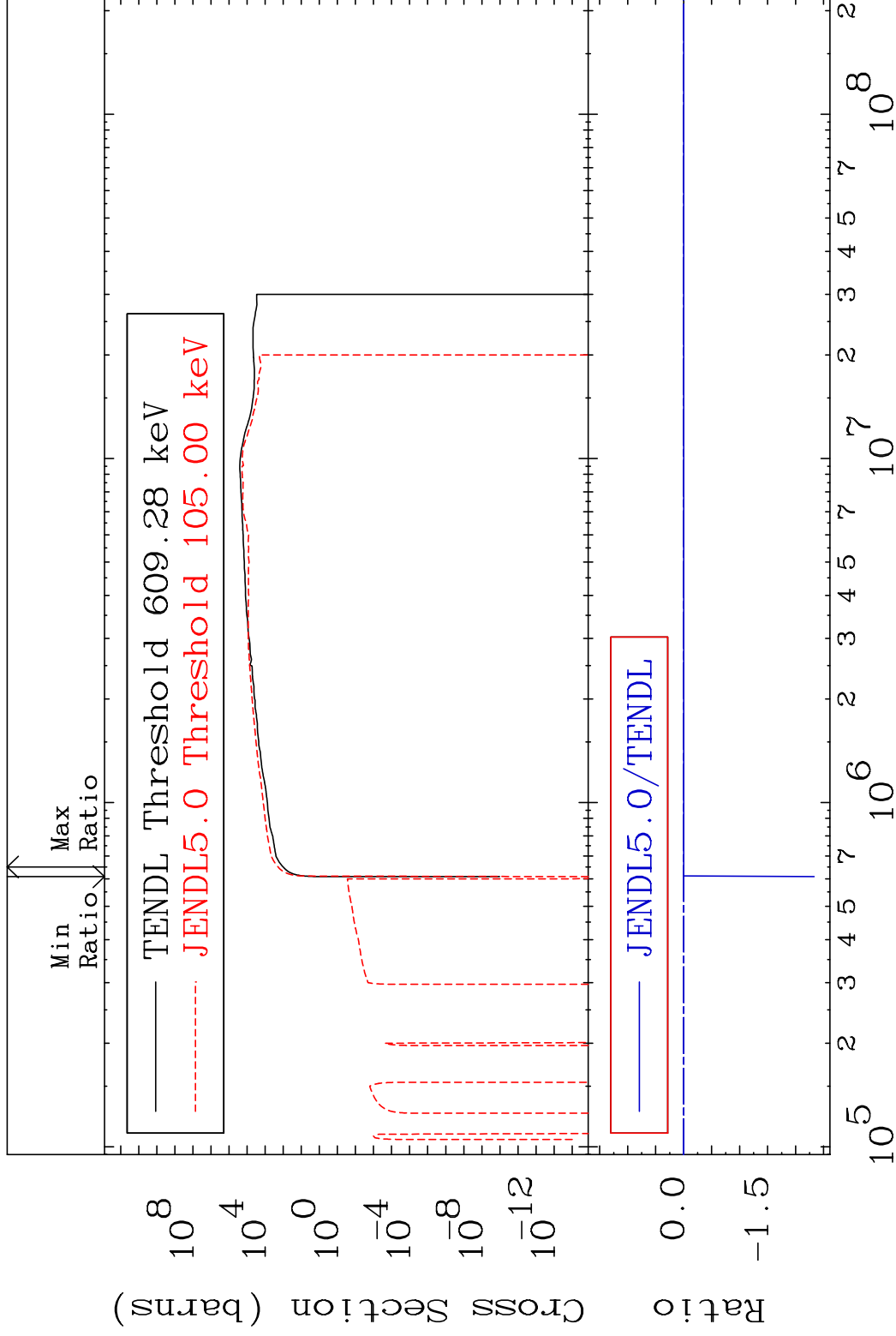


MAT 5637

Kerma inelastic (mt51-91)

56-Ba-134

Cross Section -9999. To 94.06 %

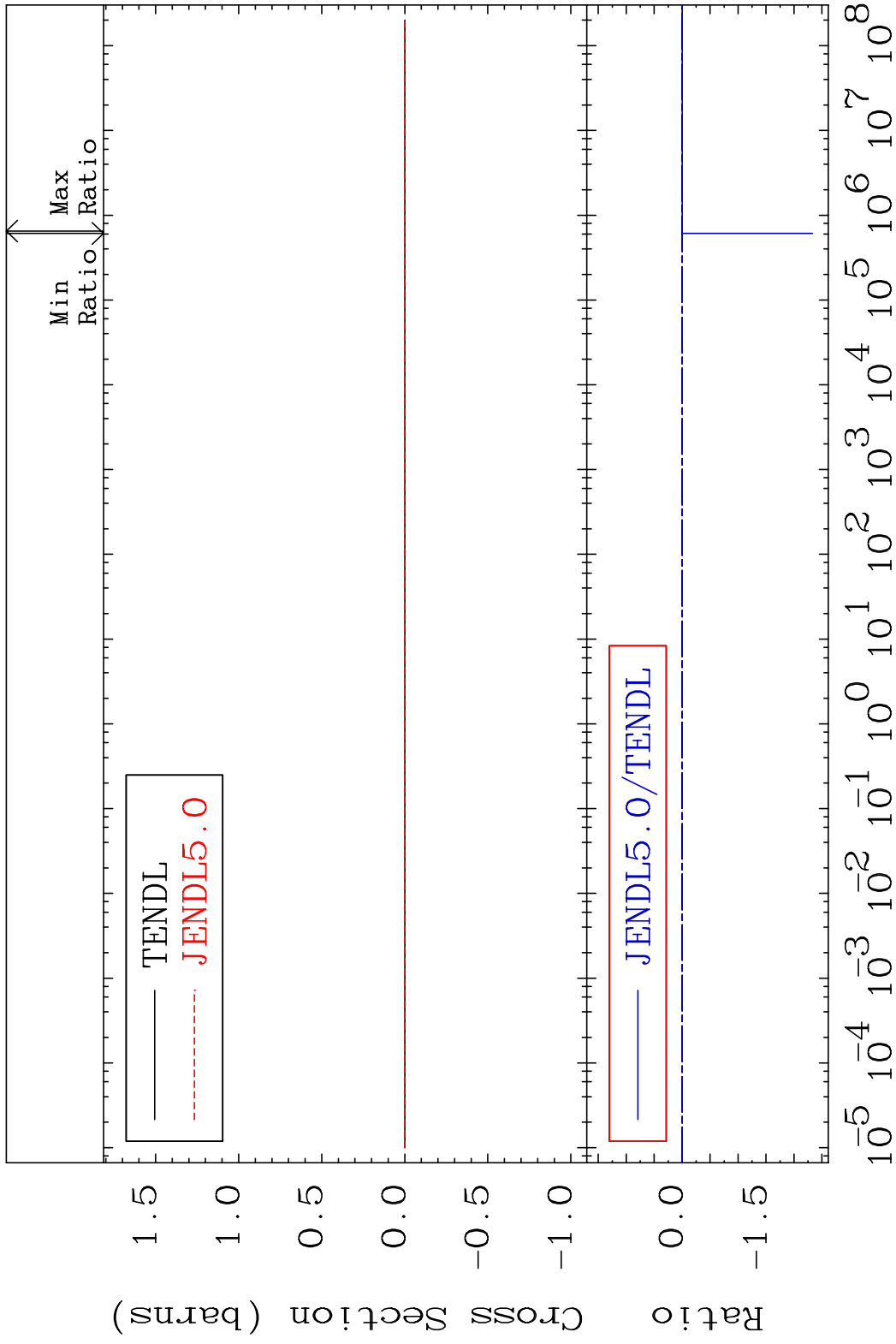


54

Incident Energy (eV)

56-Ba-134

MAT 5637 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-134  
 Cross Section -9999. To 94.06 %



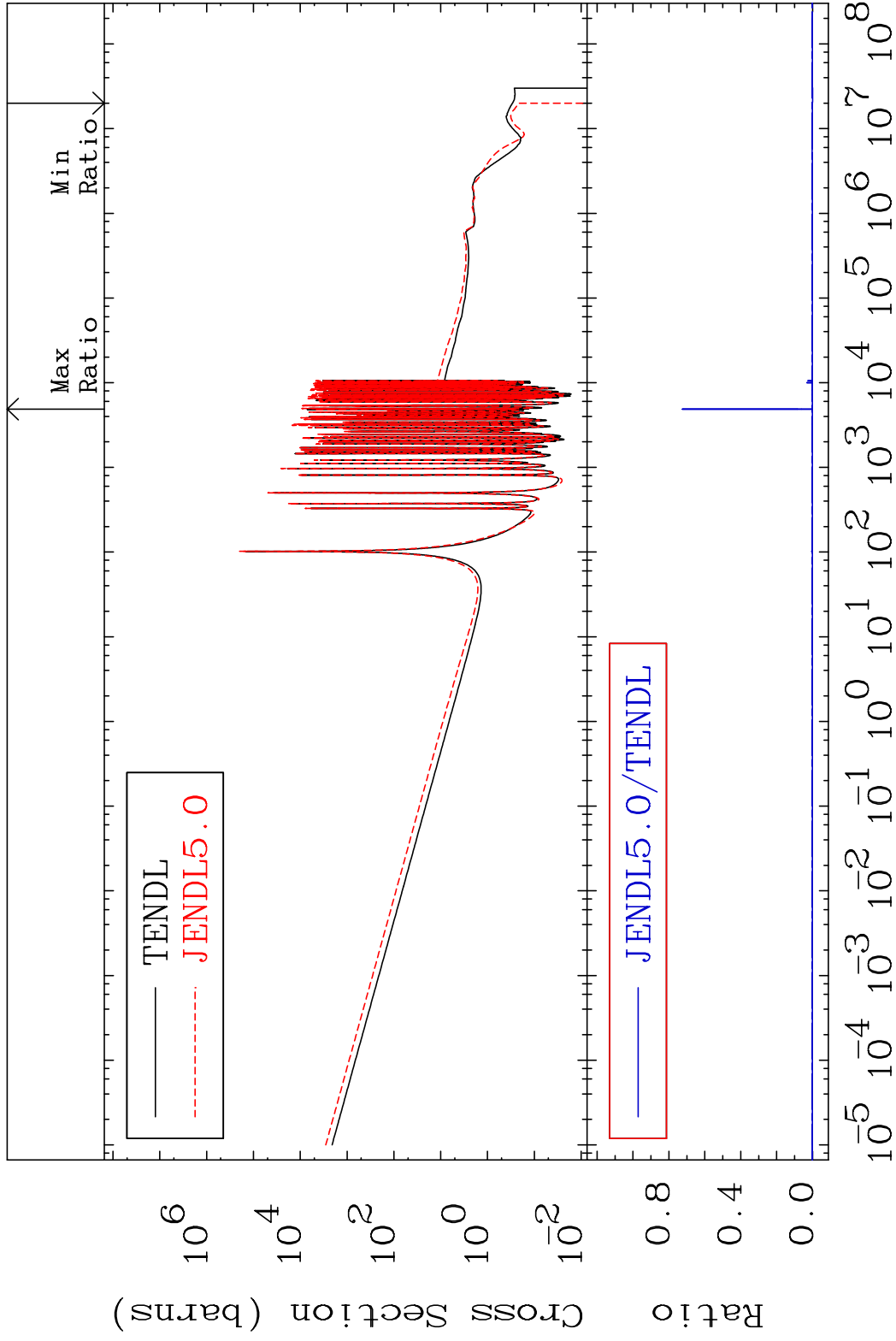


MAT 5637

Kerma capture (mt102)

56-Ba-134

Cross Section -100.0 To 9999. %



56

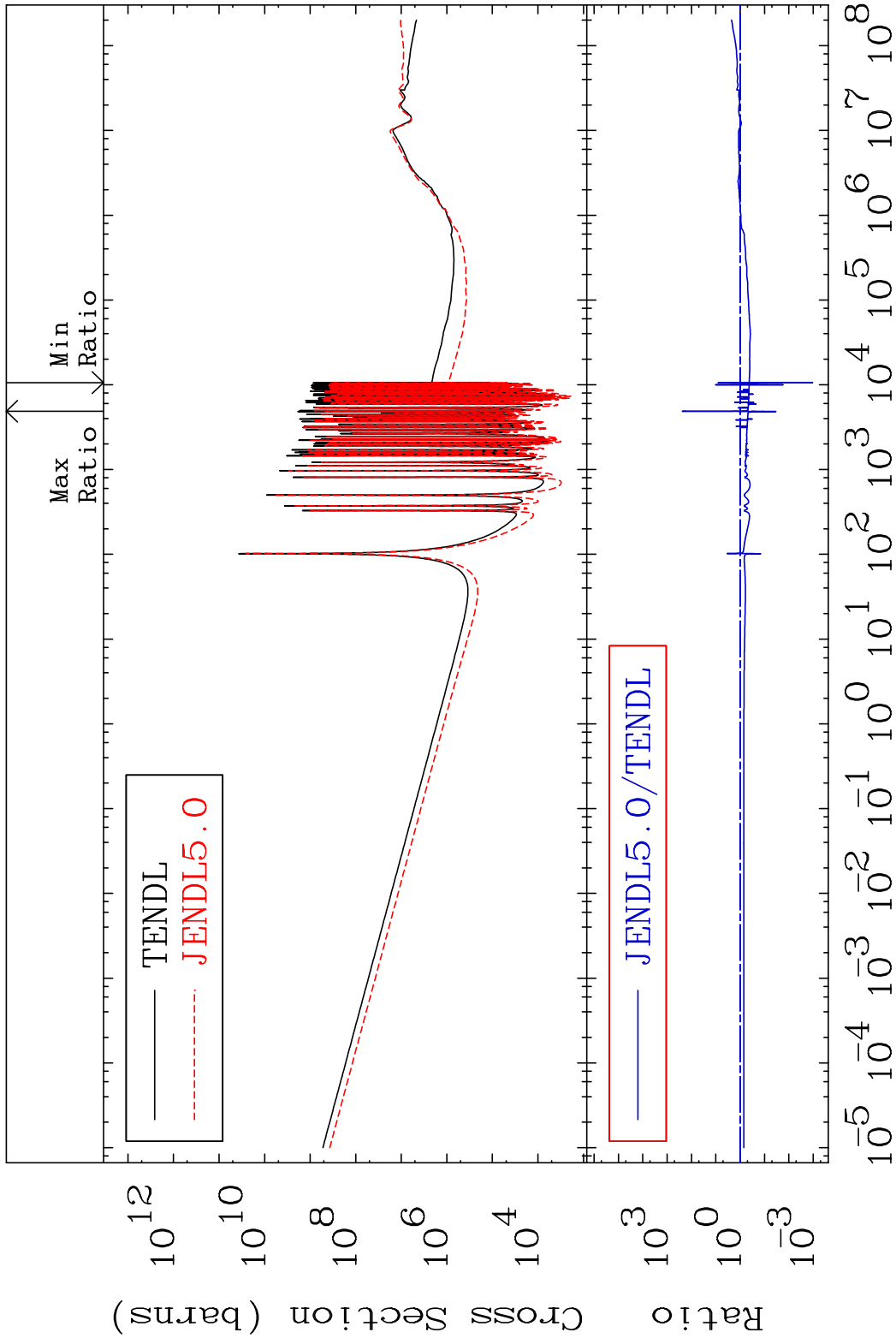
Incident Energy (eV)

56-Ba-134

MAT 5637

Total photon (eV-barns) 56-Ba-134

Cross Section -99.89 To 9999. %

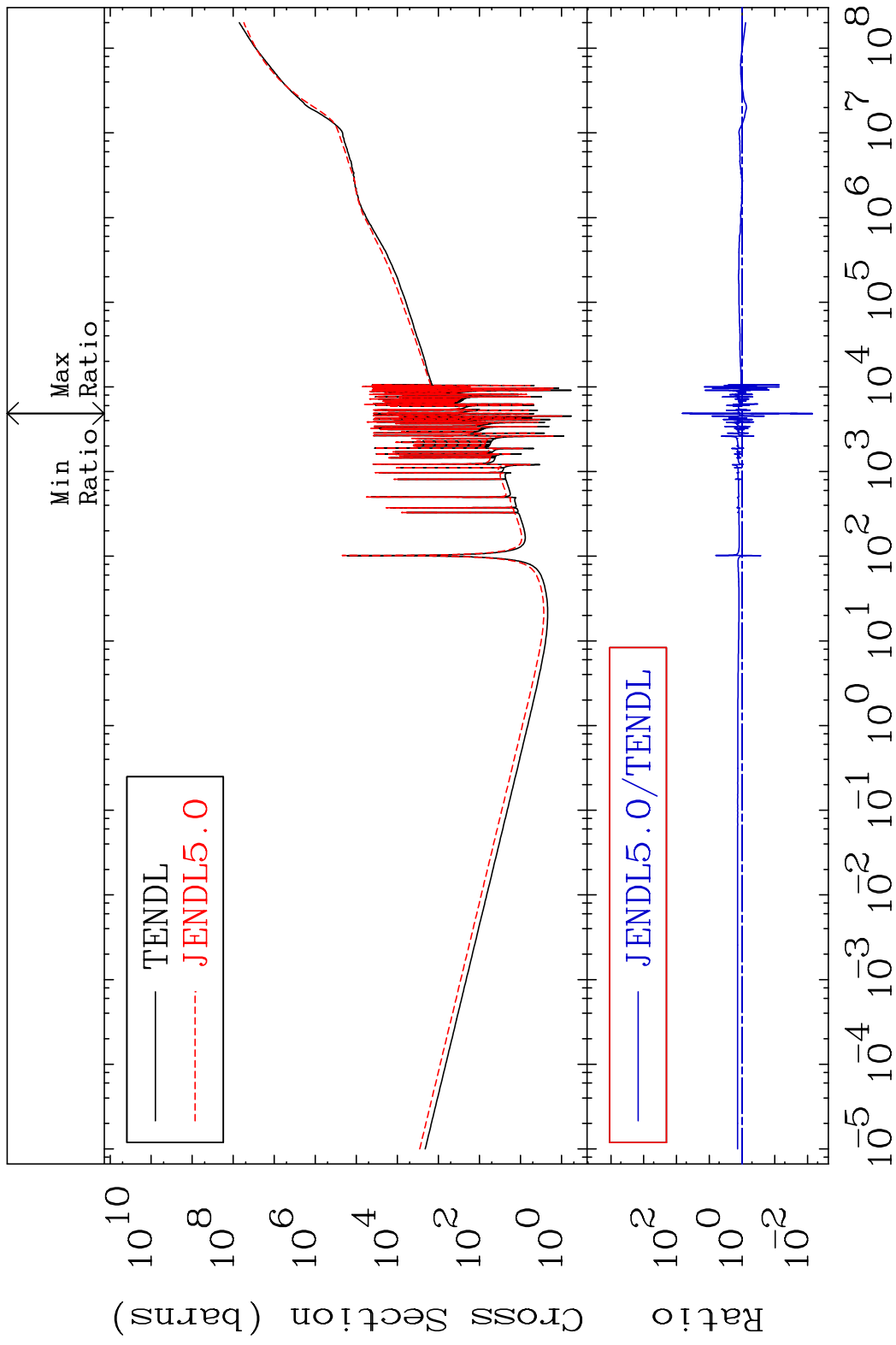


57

Incident Energy (eV)

56-Ba-134

MAT 5637 Total kinematic kerma (high limit) 56-Ba-134  
 Cross Section -99.29 To 6525. %

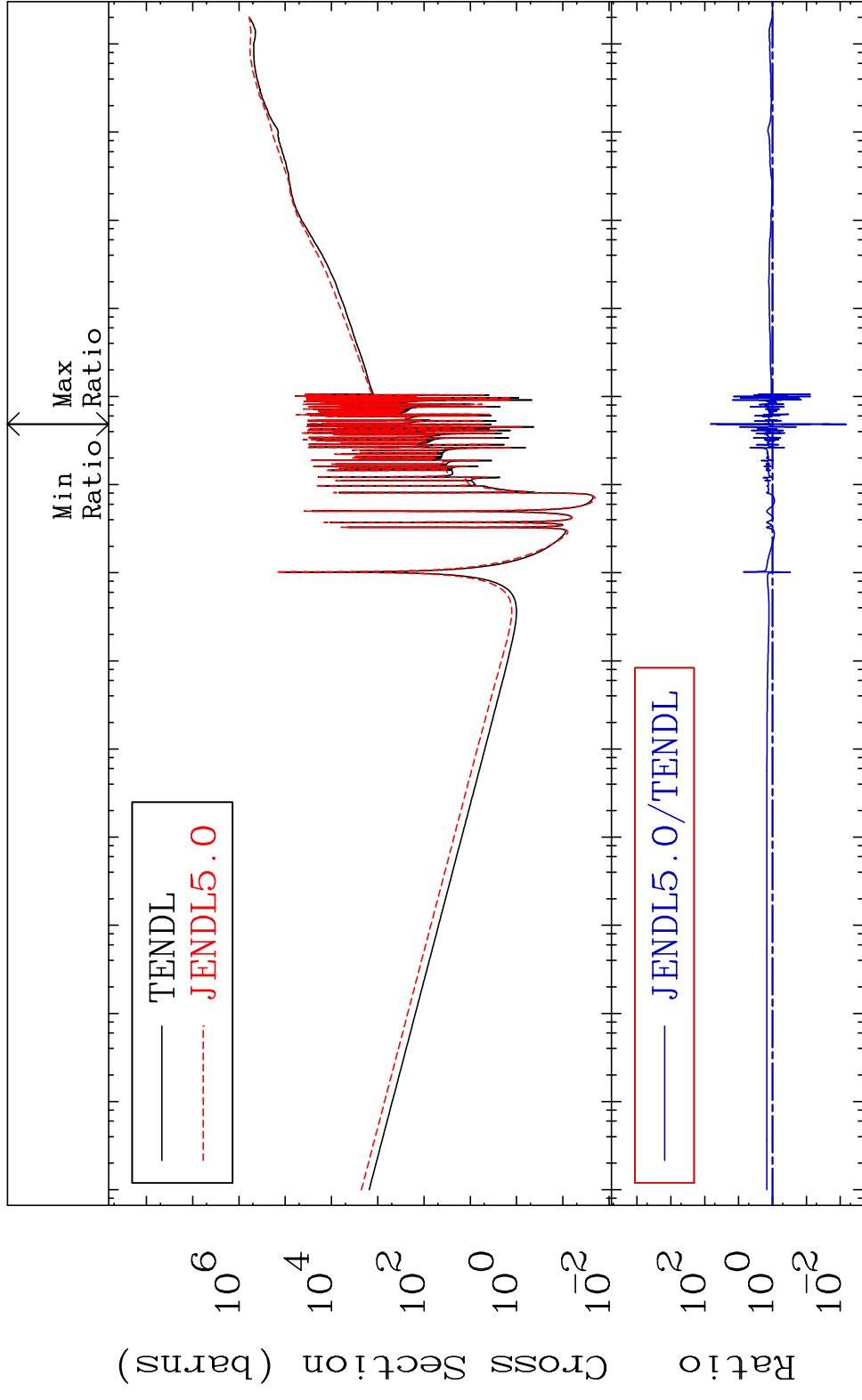


MAT 5637

Dpa total (eV-barns)

56-Ba-134

Cross Section -99.34 To 6548. %



59

Incident Energy (eV)

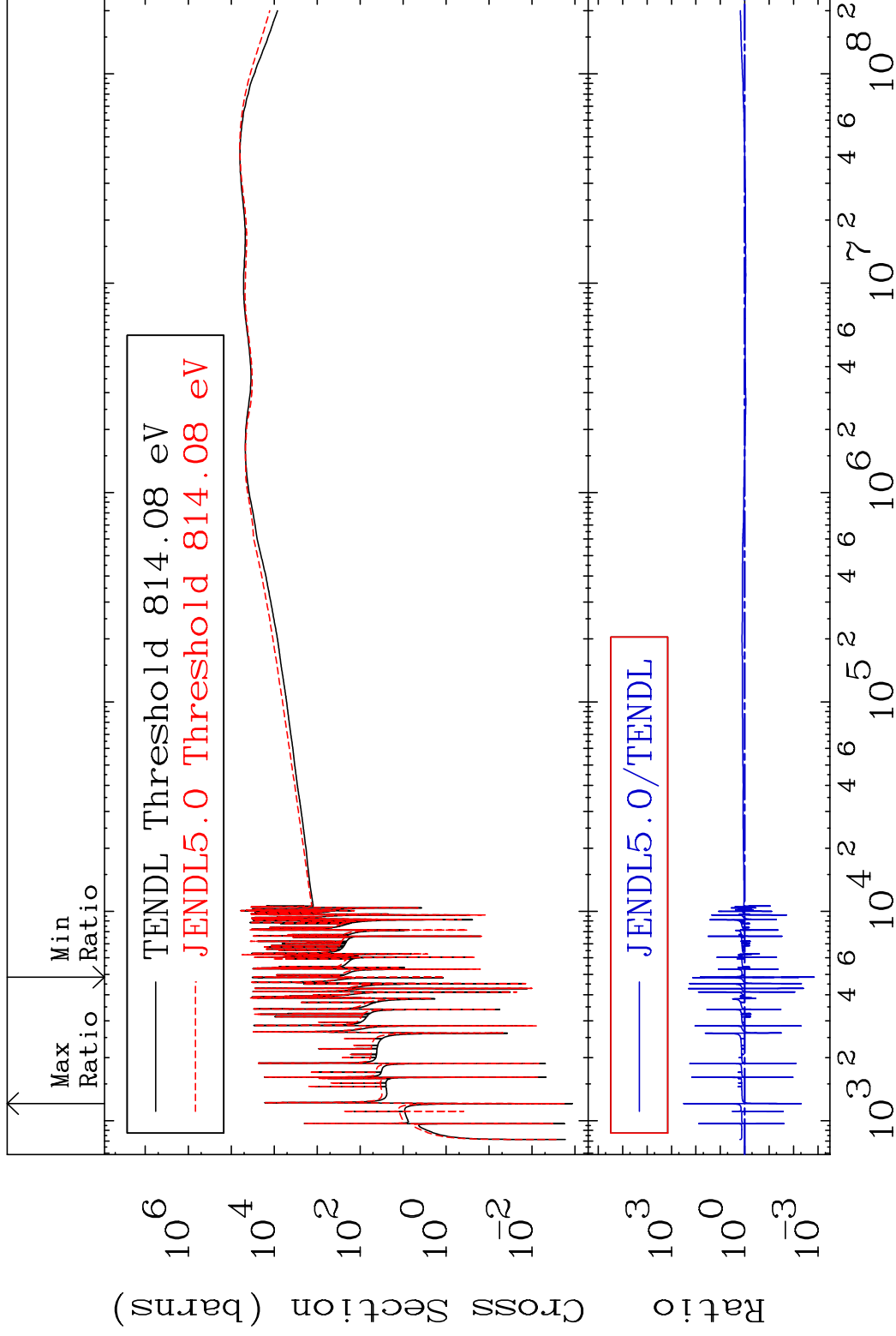
56-Ba-134

MAT 5637

Dpa elastic (mt2)

56-Ba-134

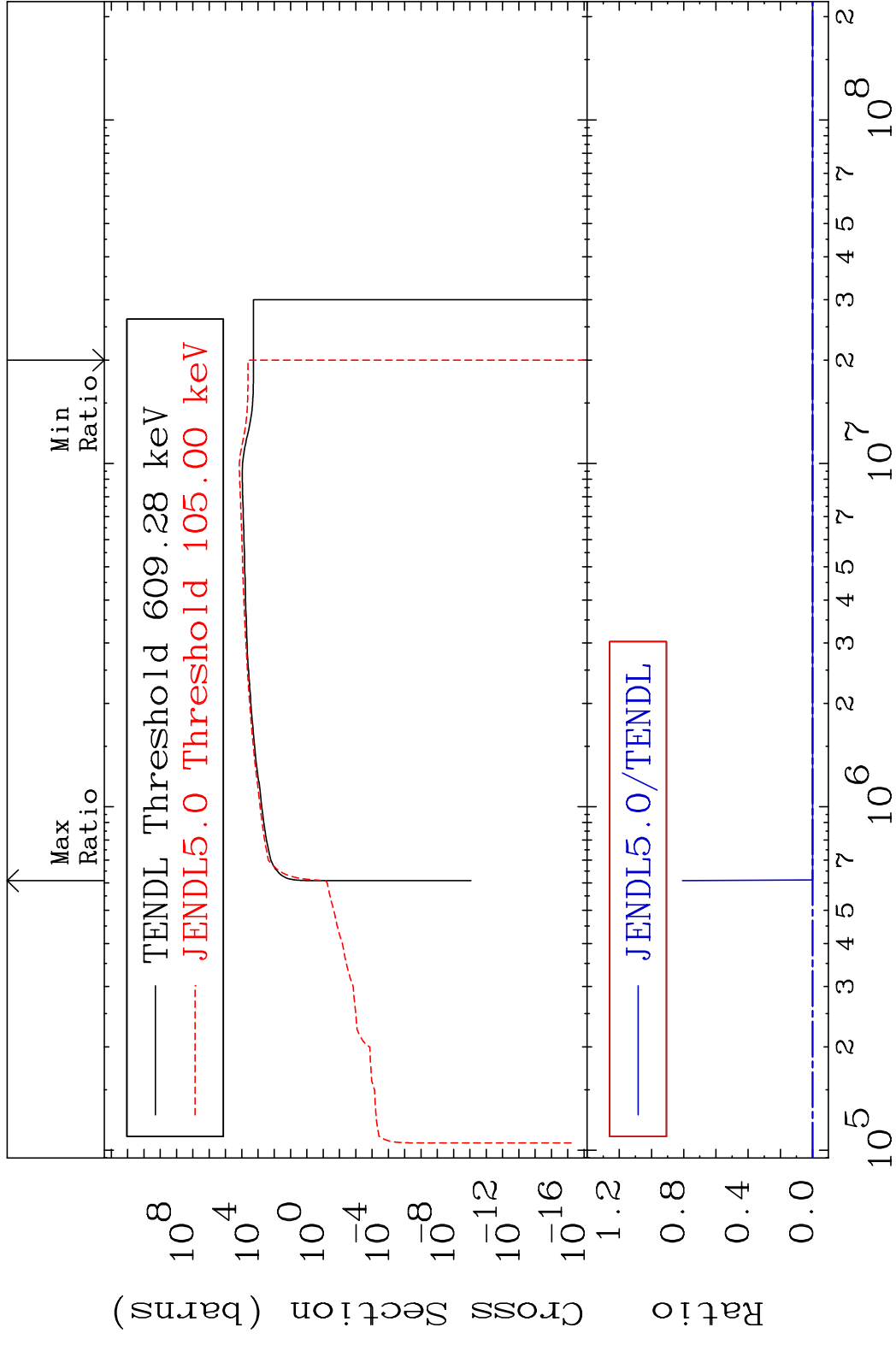
Cross Section -99.86 To 9999. %



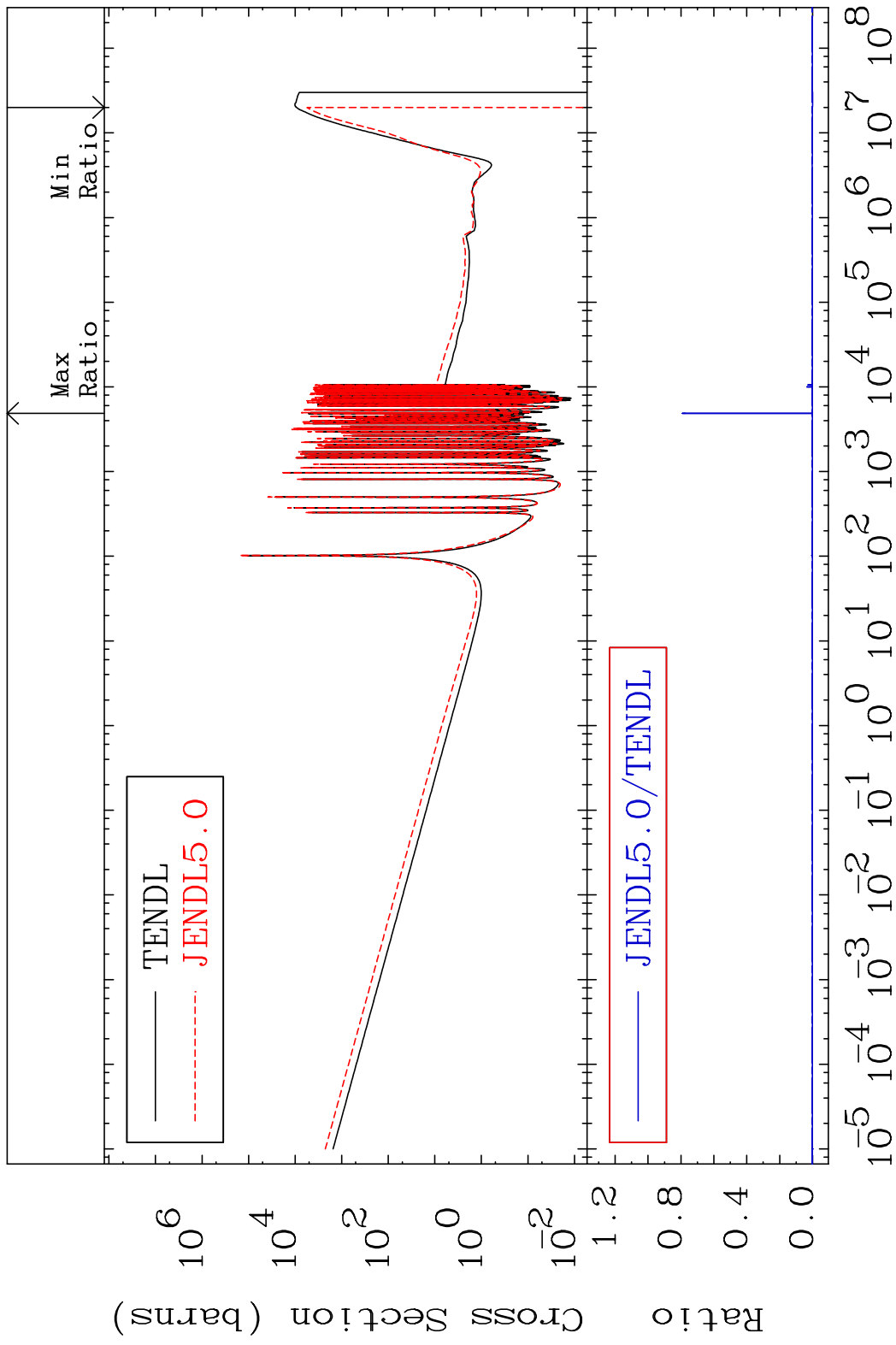
60

Incident Energy (eV)

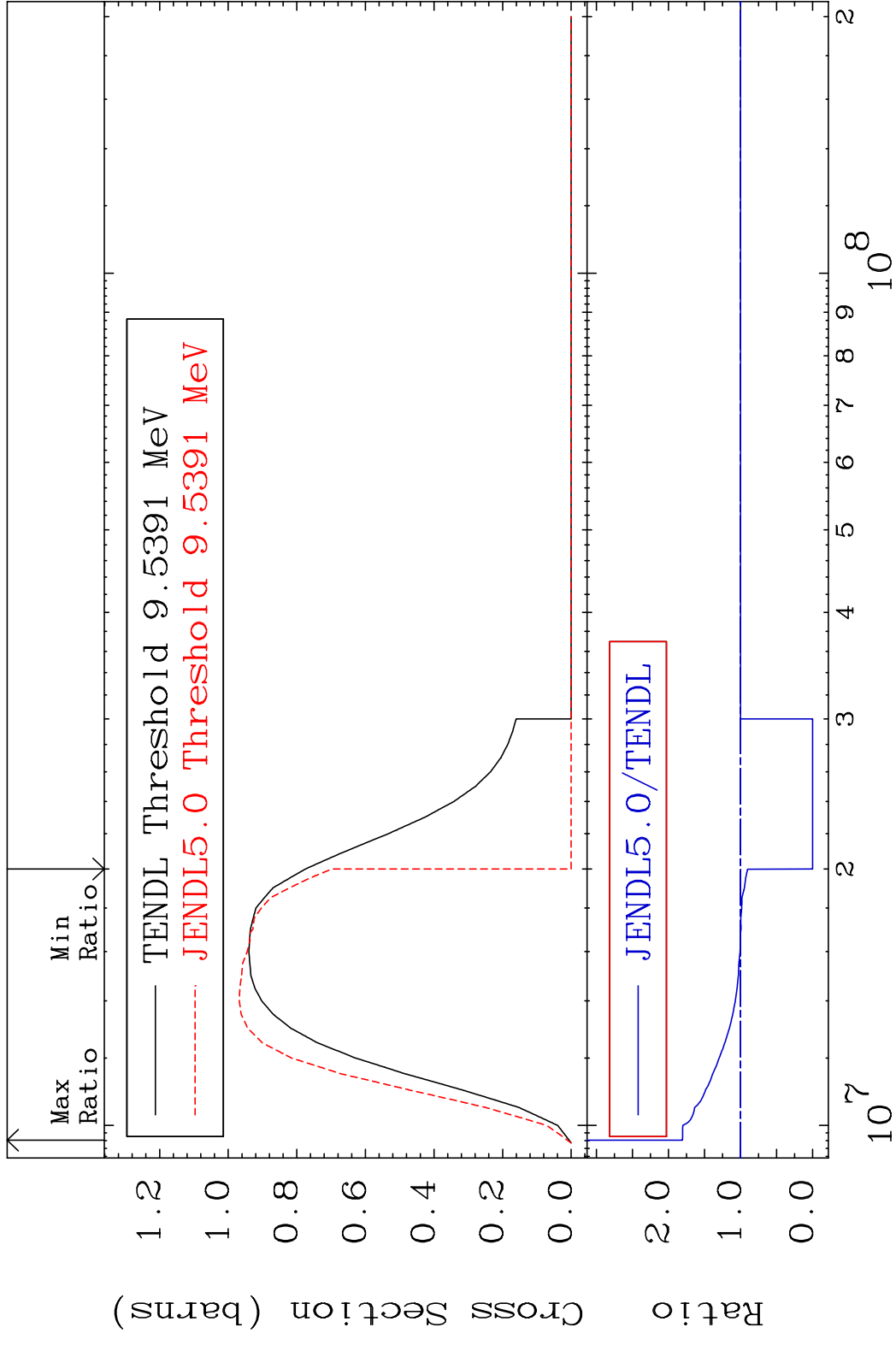
56-Ba-134



MAT 5637 Dpa disappearance (mt102 -120) 56-Ba-134  
Cross Section -100.0 To 9999. %



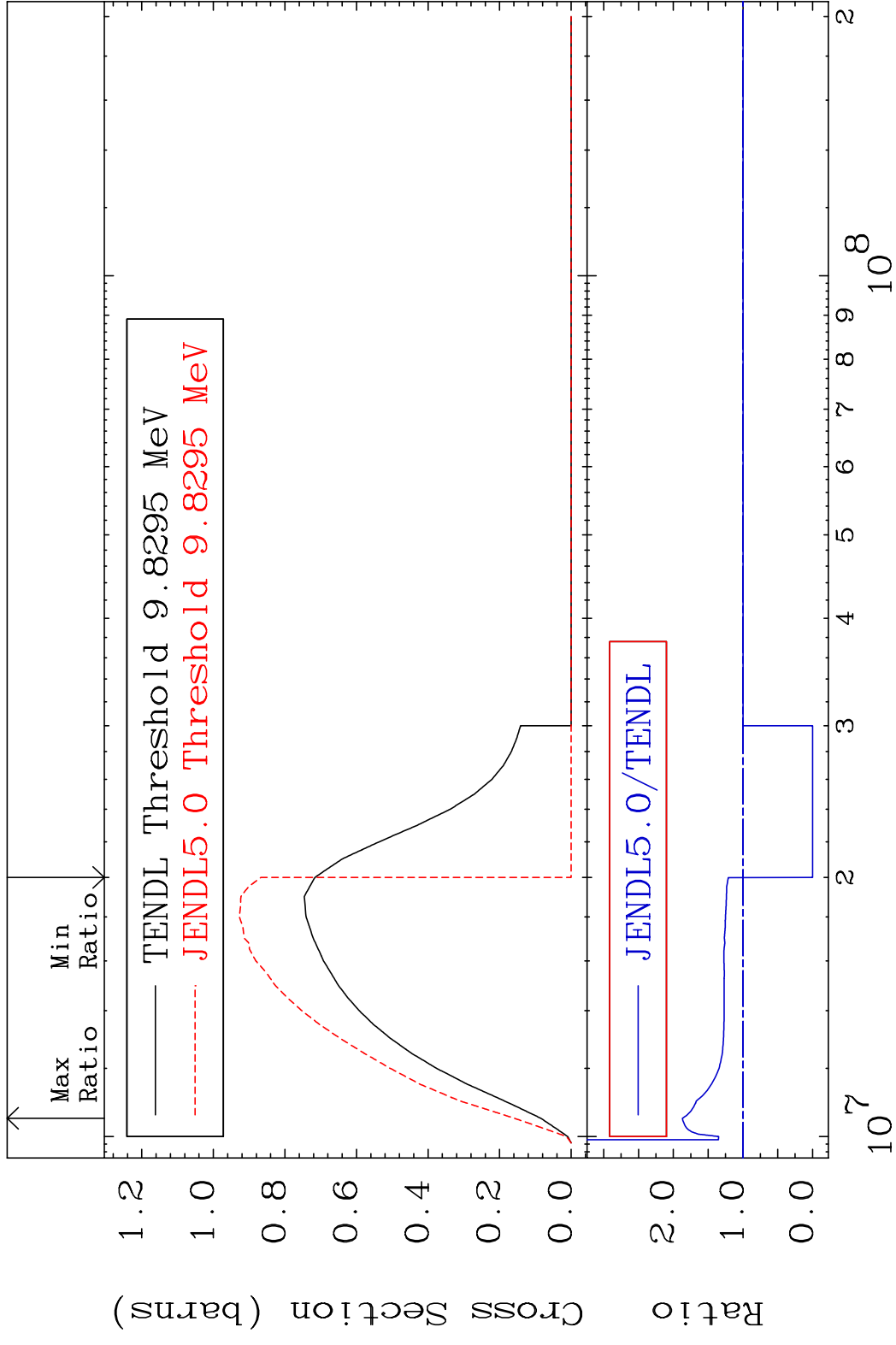
MAT 5637 (n,2n):56-Ba-133g 56-Ba-134  
 Radionuclide Production Cross Section 180.01 dth 80.64 %



63 Incident Energy (eV) 56-Ba-134

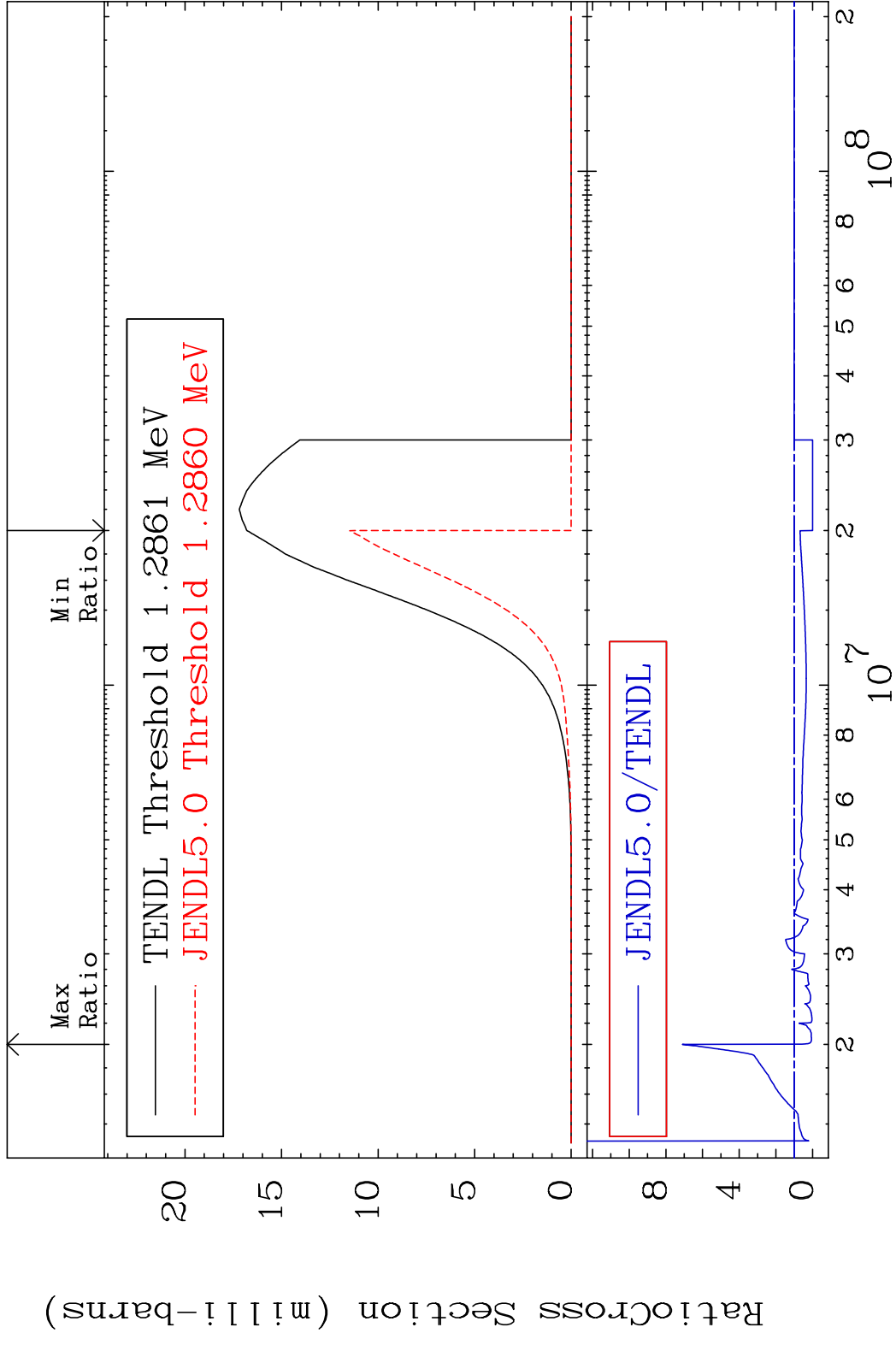


MAT 5637 (n, 2n):56-Ba-133m2 56-Ba-134  
 Radionuclide Production Cross Section 180.01 dth 87.07 %



64 Incident Energy (eV) 56-Ba-134

MAT 5637 (n,p):55-Cs-134g 56-Ba-134  
 Radionuclide Production Cross Section 180.0 mb 610.0 %



65 Incident Energy (eV) 56-Ba-134

