

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

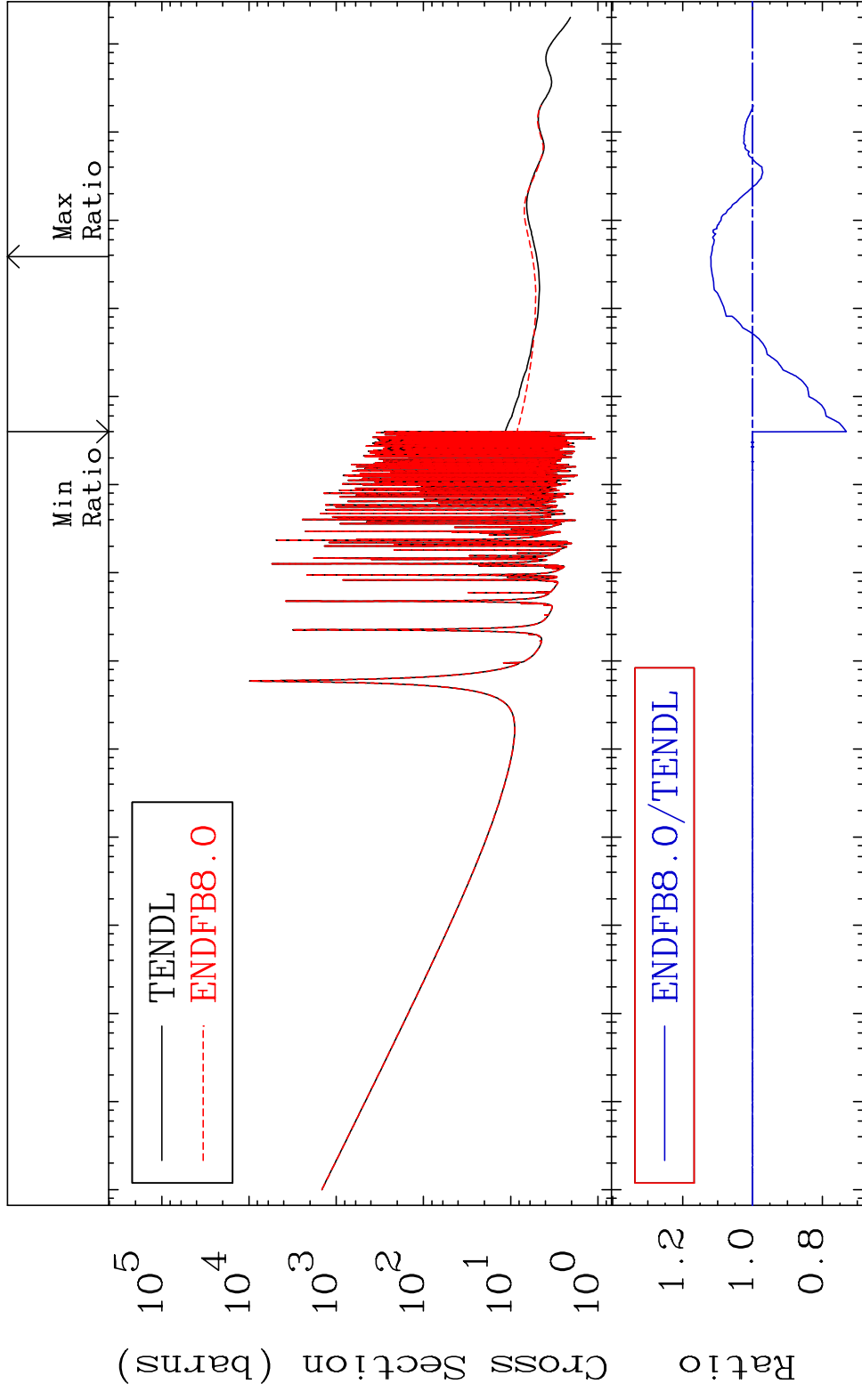
MAT 5525

Total

55-Cs-133

Cross Section

-26.85 To 11.97 %



1

Incident Energy (eV)

55-Cs-133

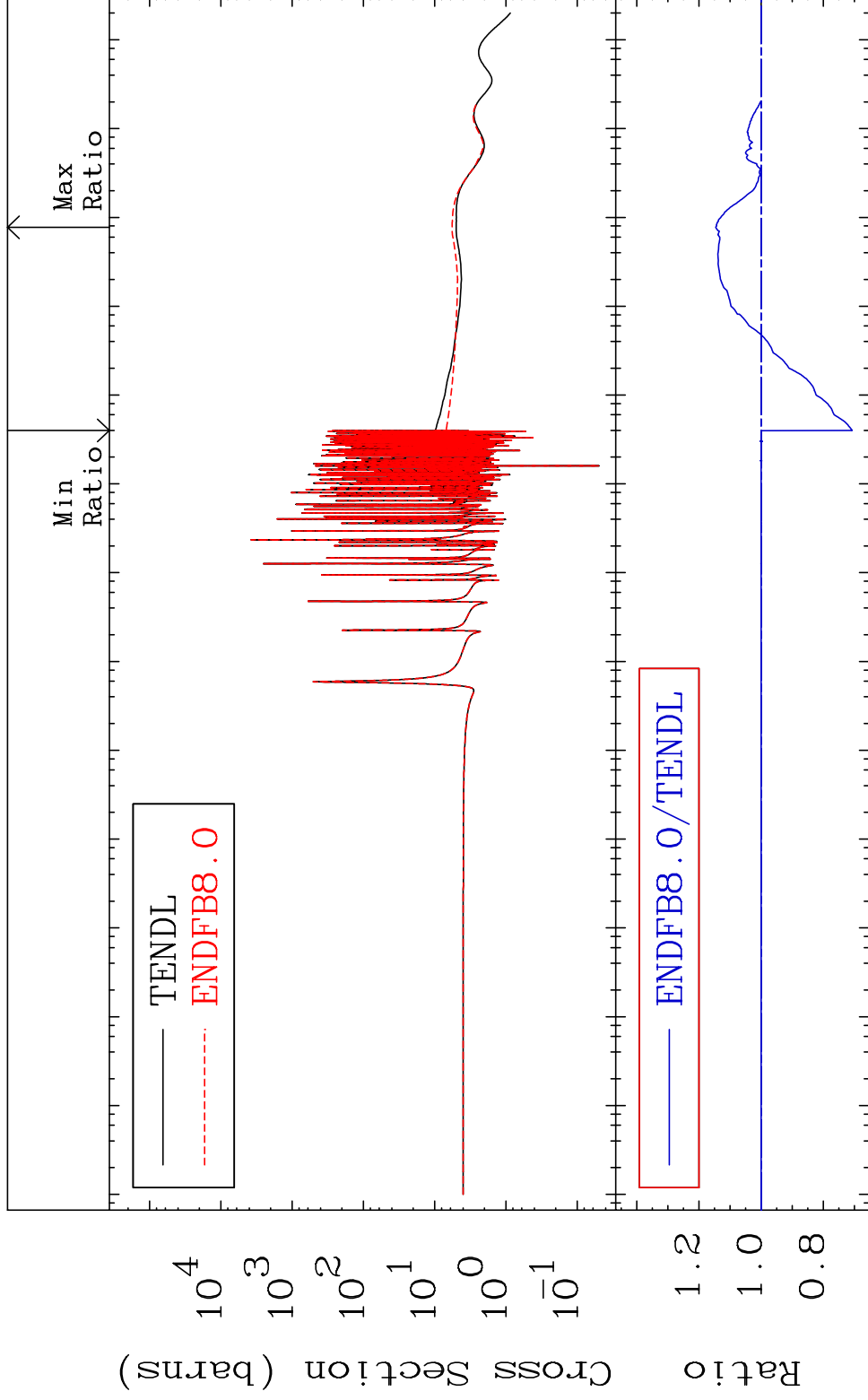
MAT 5525

Elastic

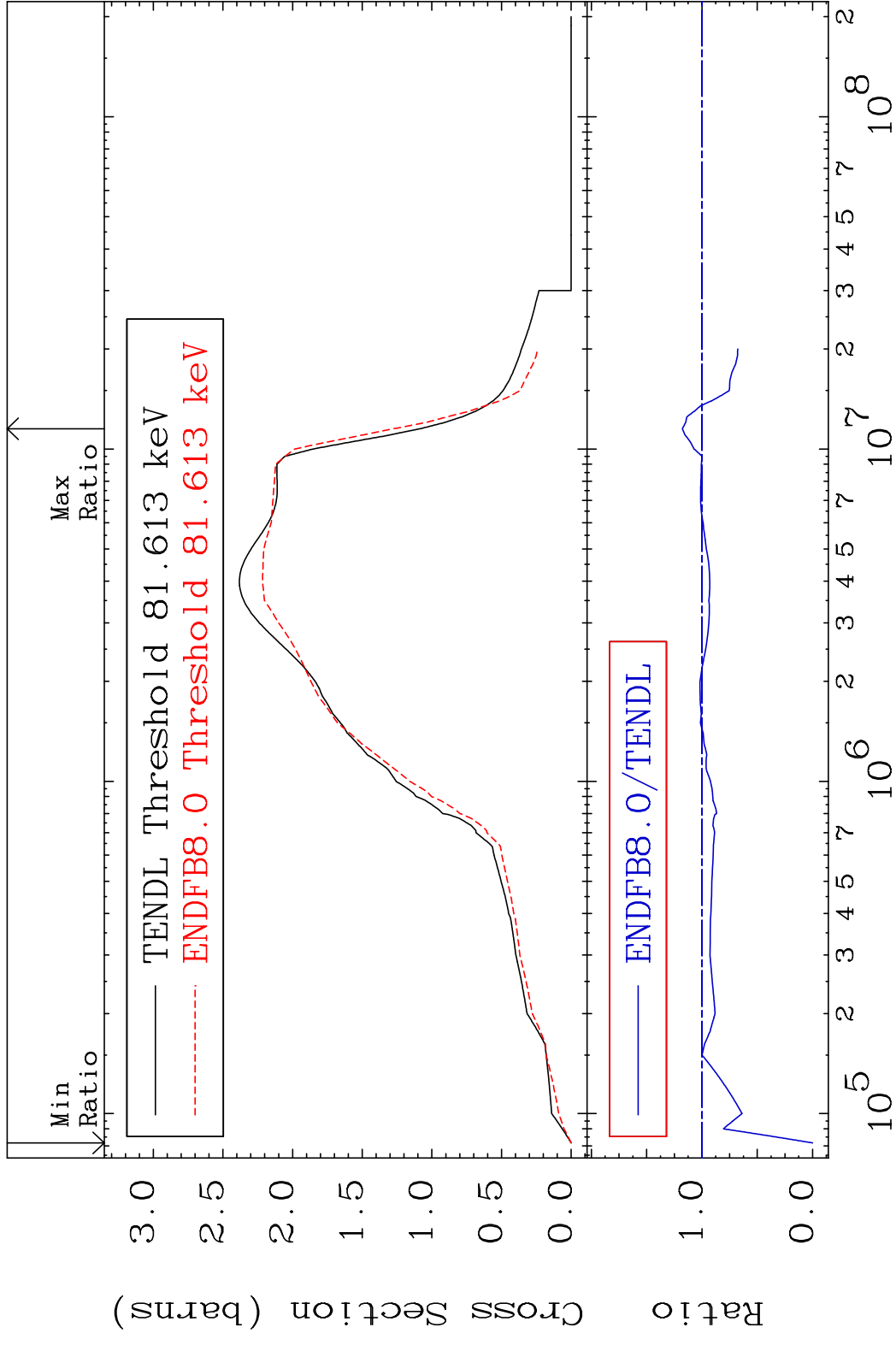
55-Cs-133

Cross Section

-29.26 To 14.63 %



MAT 5525 Inelastic Cross Section -100.0 To 17.71 % 55-Cs-133



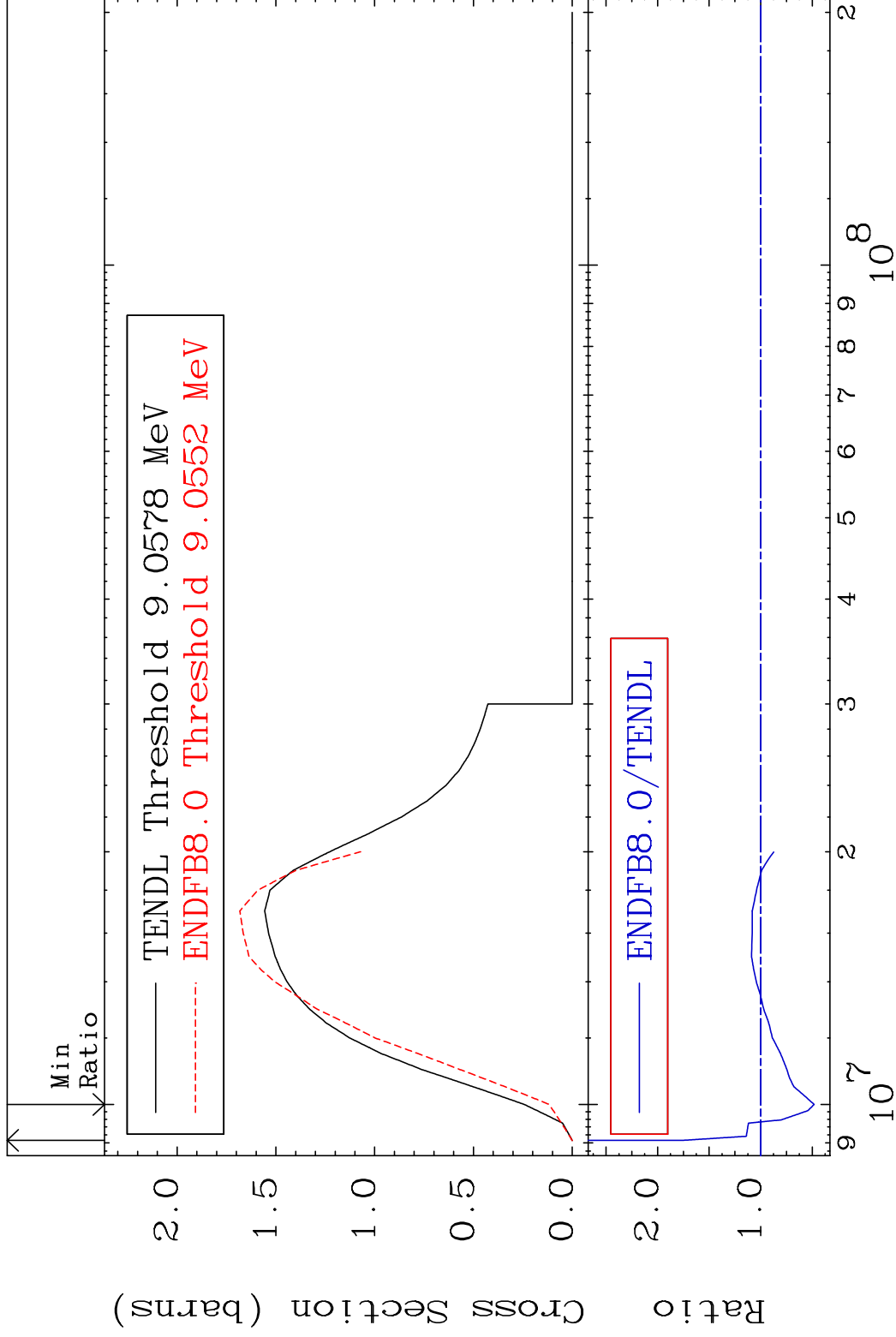
3 3 Incident Energy (eV) 55-Cs-133

MAT 5525

(n,2n)

55-Cs-133

Cross Section -51.82 To 74.73 %



4

Incident Energy (eV)

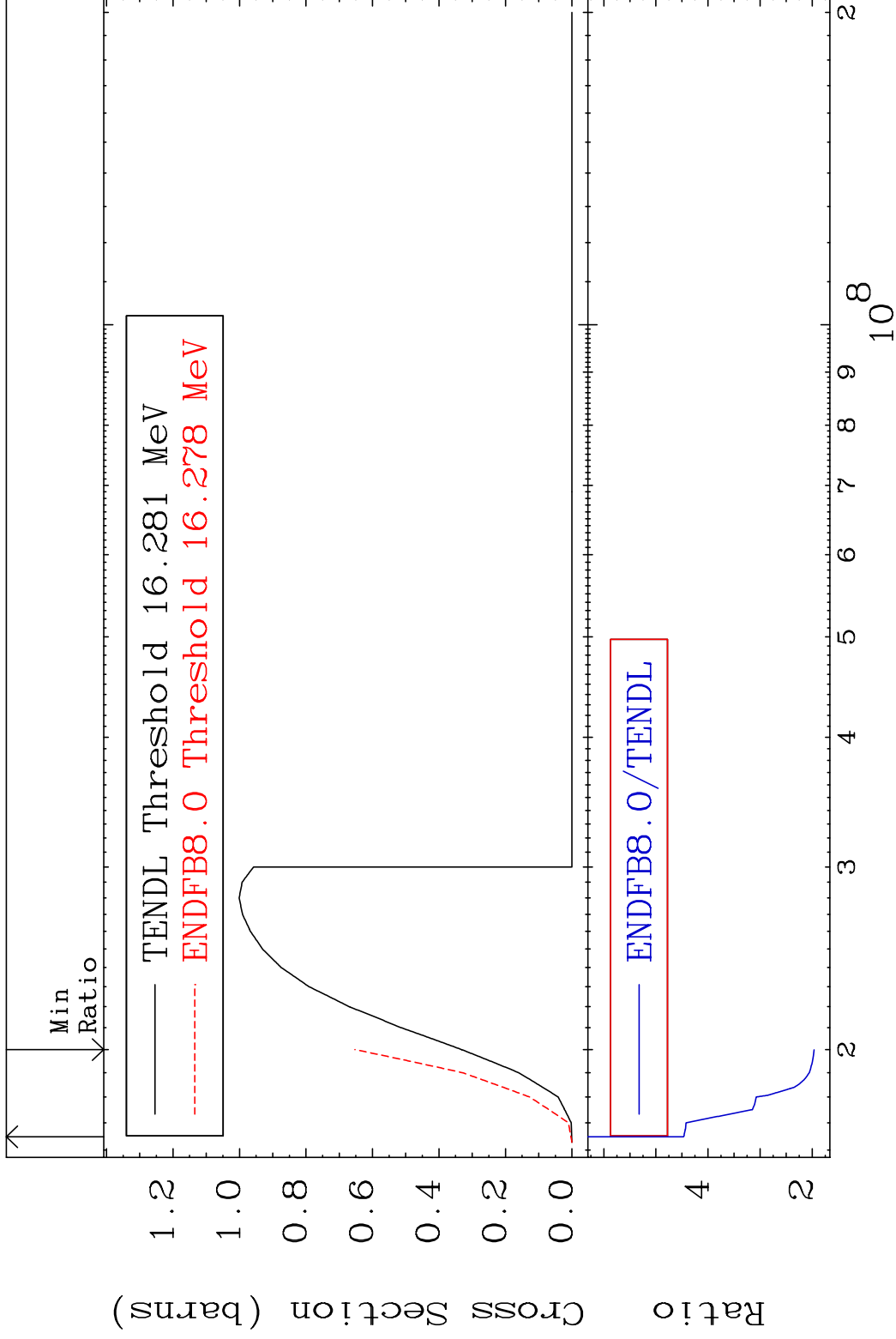
55-Cs-133

MAT 5525

(n,3n)

55-Cs-133

Cross Section 96.41 To 347.1 %

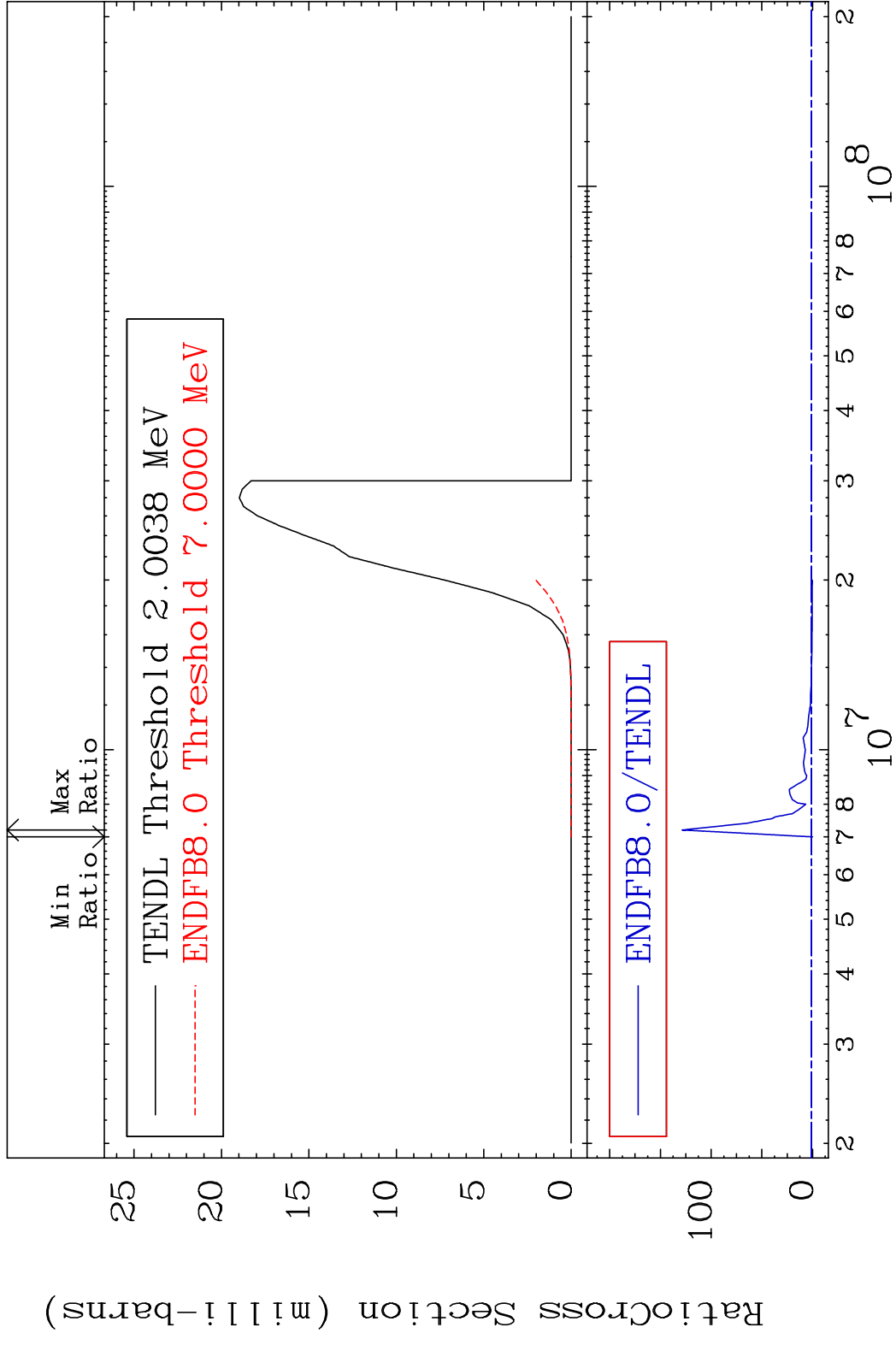


5

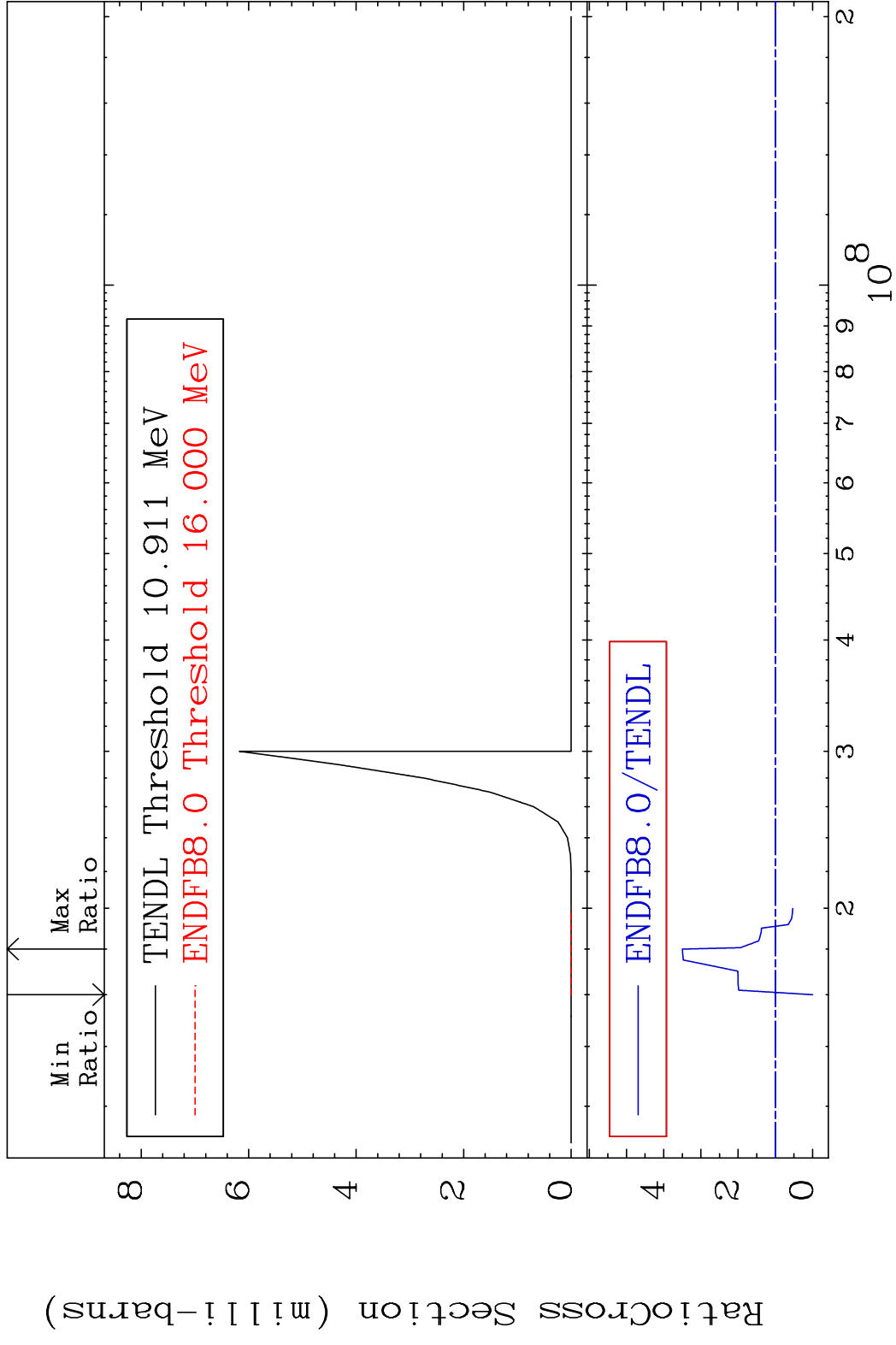
Incident Energy (eV)

55-Cs-133

MAT 5525 (n, n') α 55-Cs-133
 Cross Section -100.0 To 9999. %



MAT 5525 (n,2n) α 55-Cs-133
 Cross Section -100.0 To 249.9 %

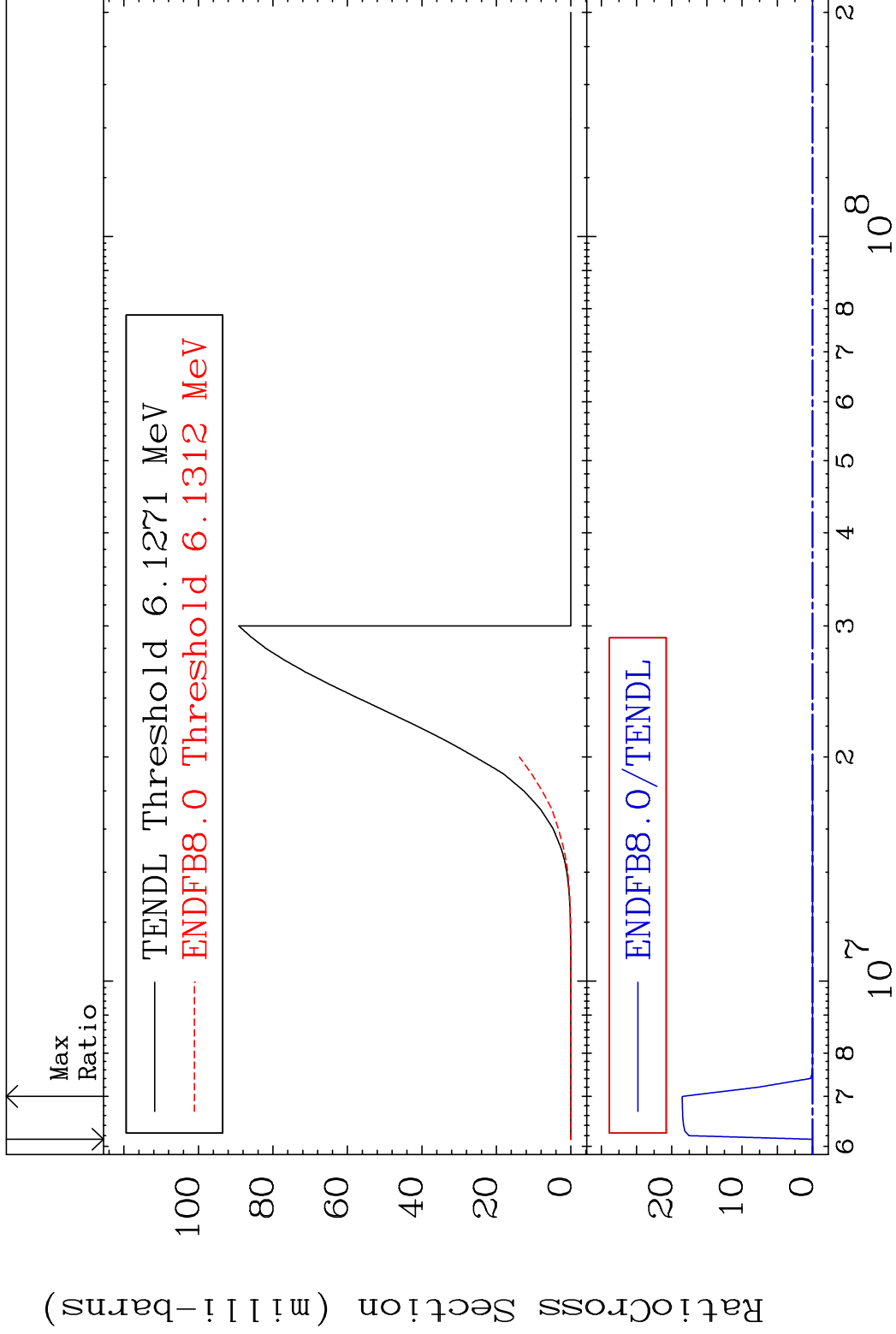


MAT 5525

(n, n') p

55-Cs-133

Cross Section -100.0 To 9999. %

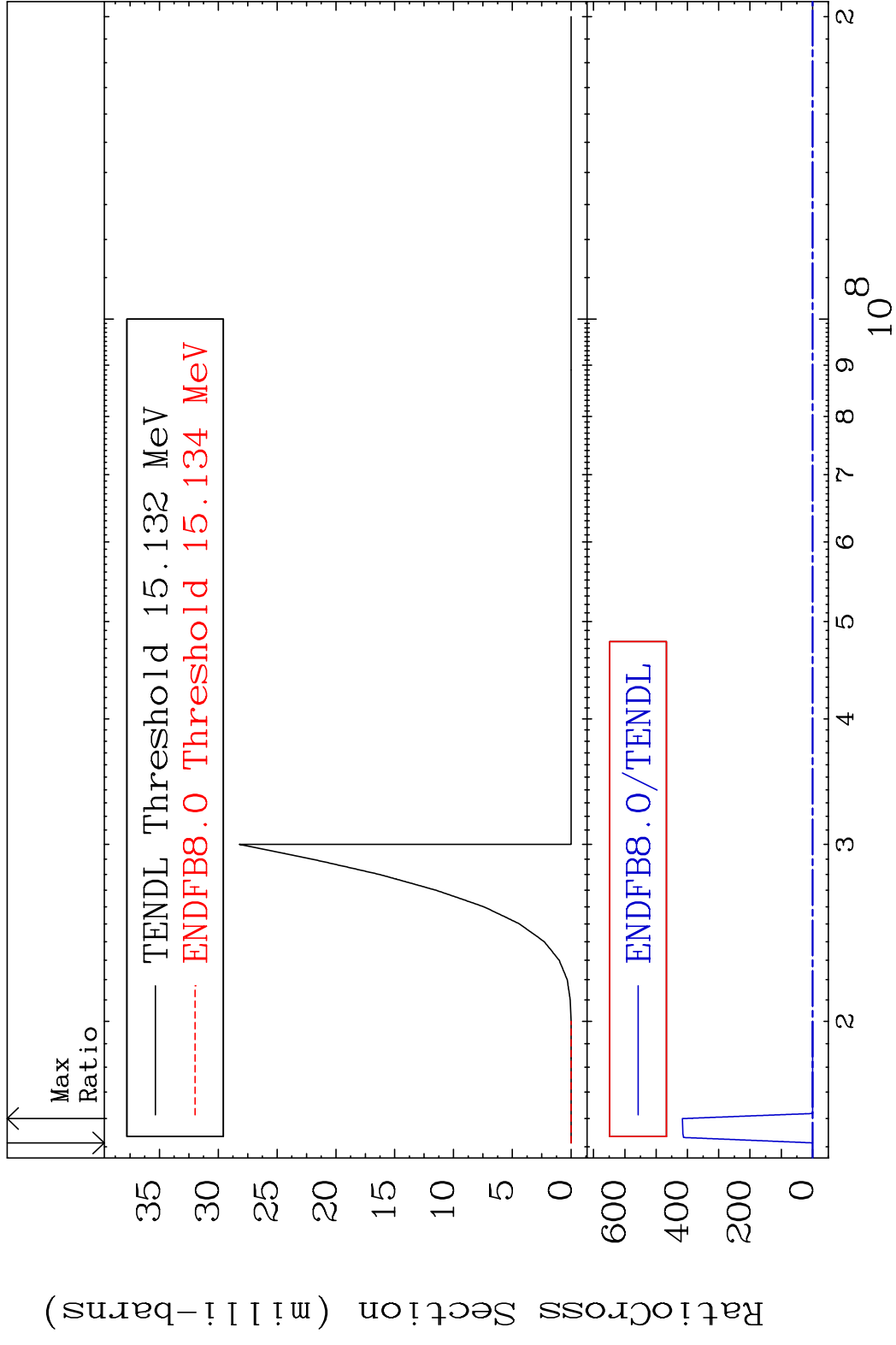


8

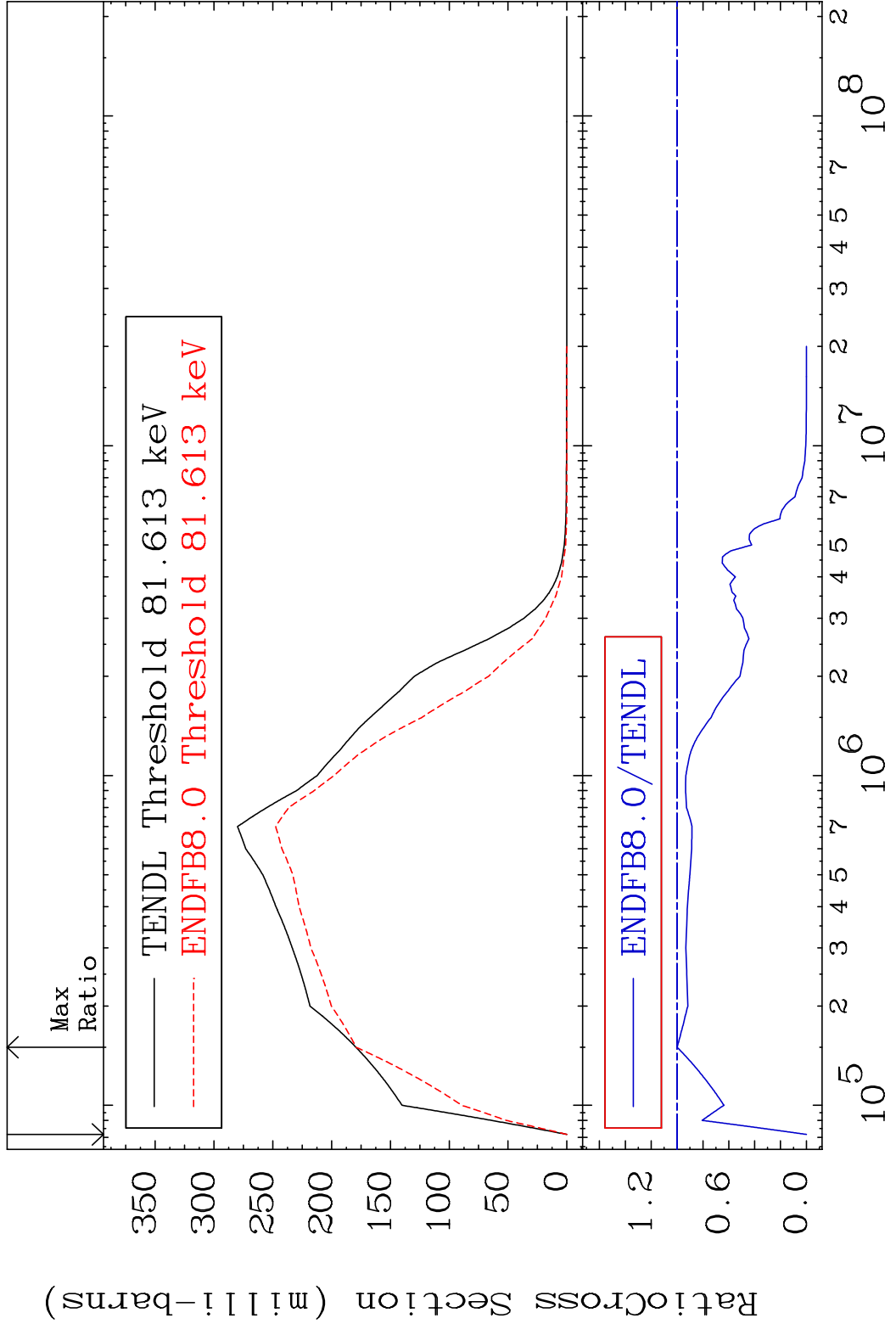
Incident Energy (eV)

55-Cs-133

MAT 5525 (n,2n) p 55-Cs-133
 Cross Section -100.0 To 9999. %

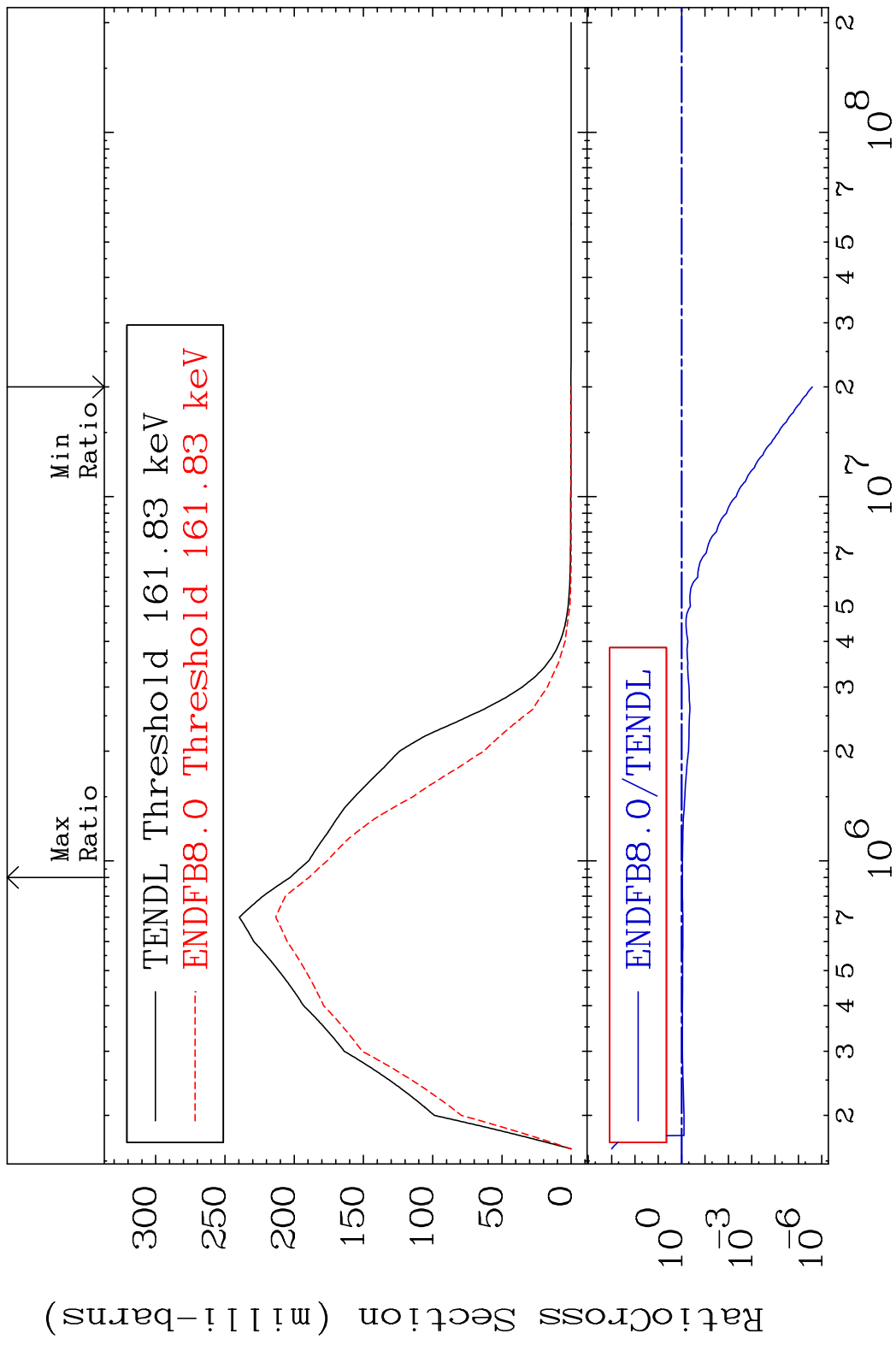


MAT 5525 MT= 51 (n,n') Level 55-Cs-133
 Cross Section -100.0 To -0.100%

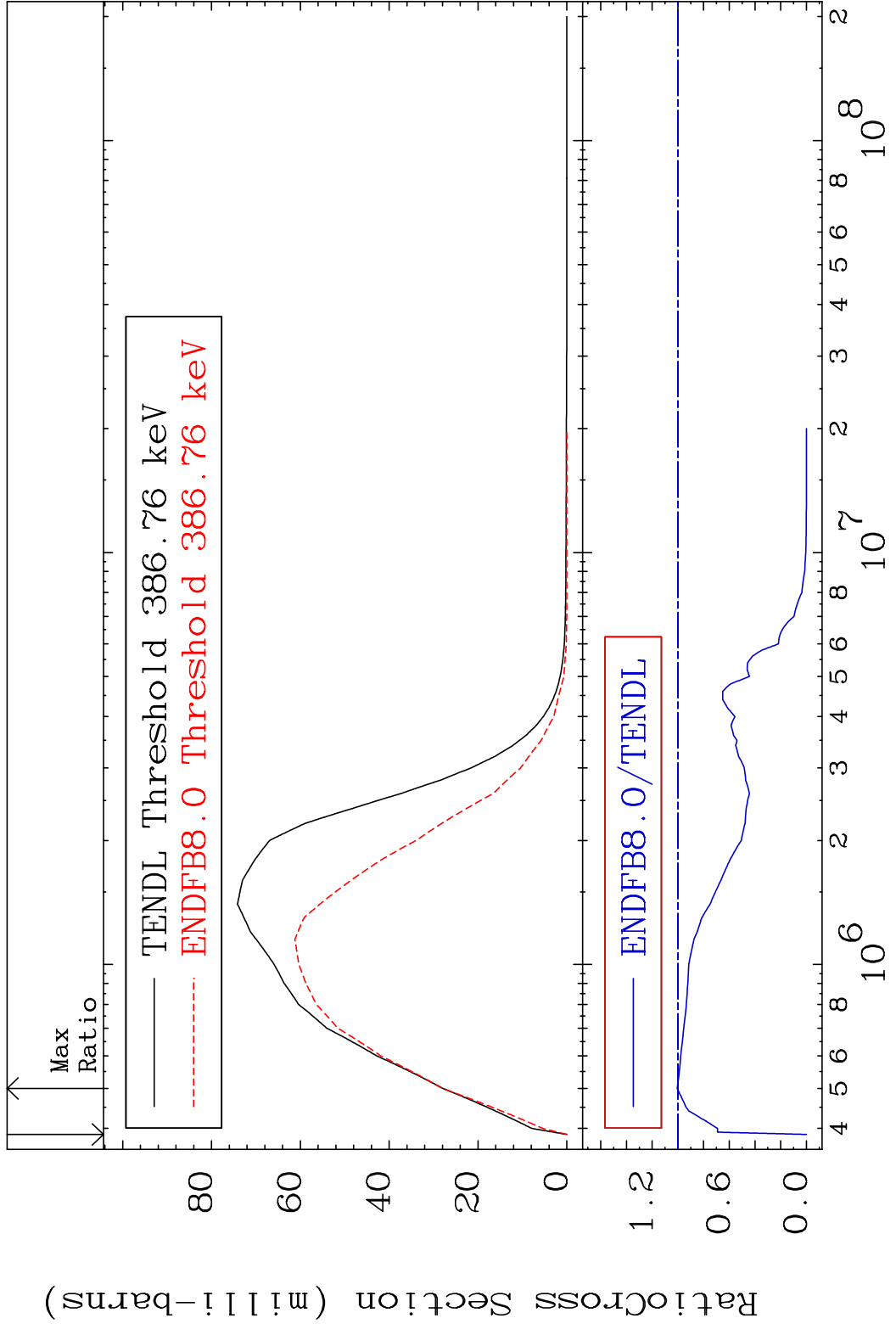


10 Incident Energy (eV) 55-Cs-133

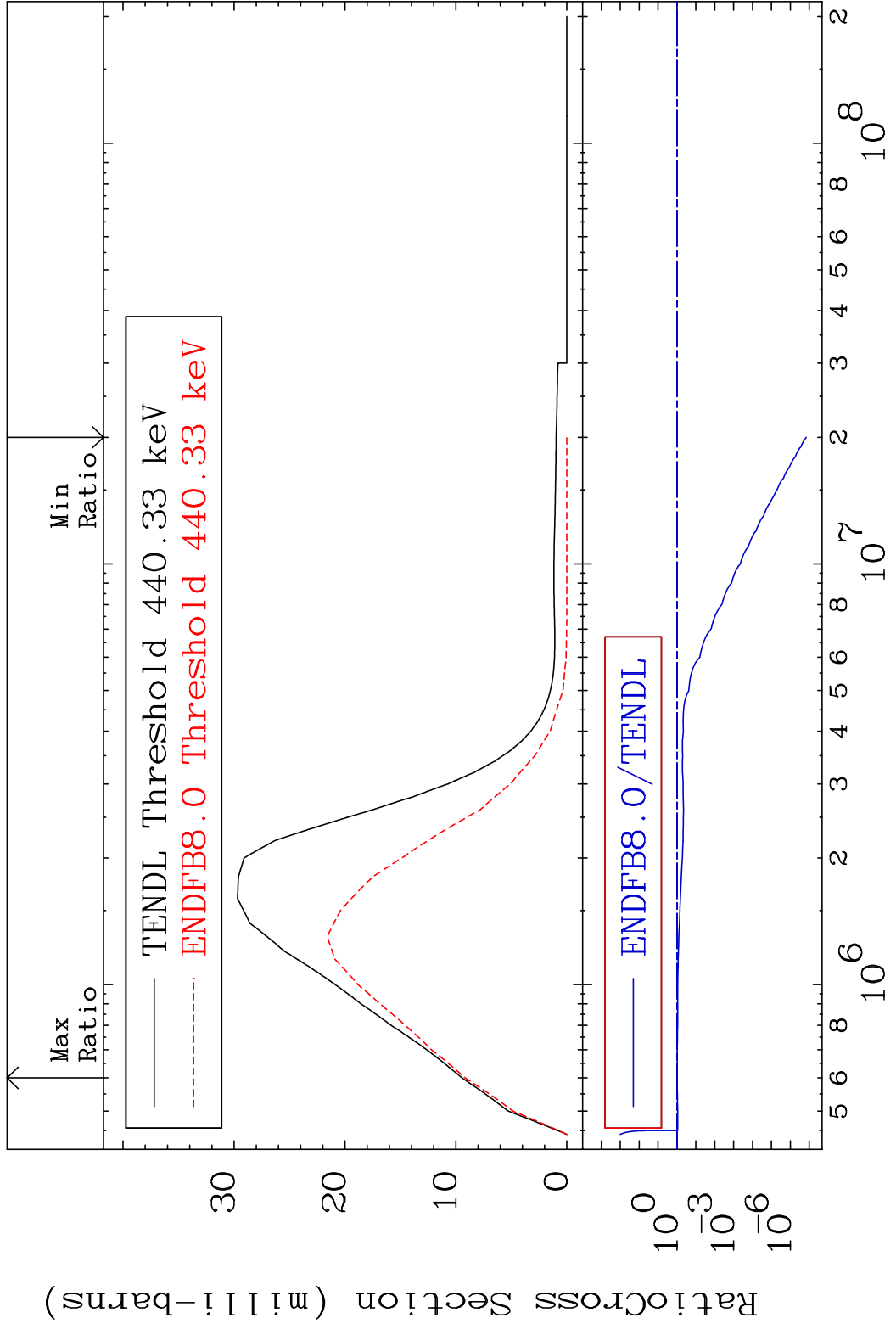
MAT 5525 MT= 52 (n,n') Level 55-Cs-133
 Cross Section -100.0 To -6.667%



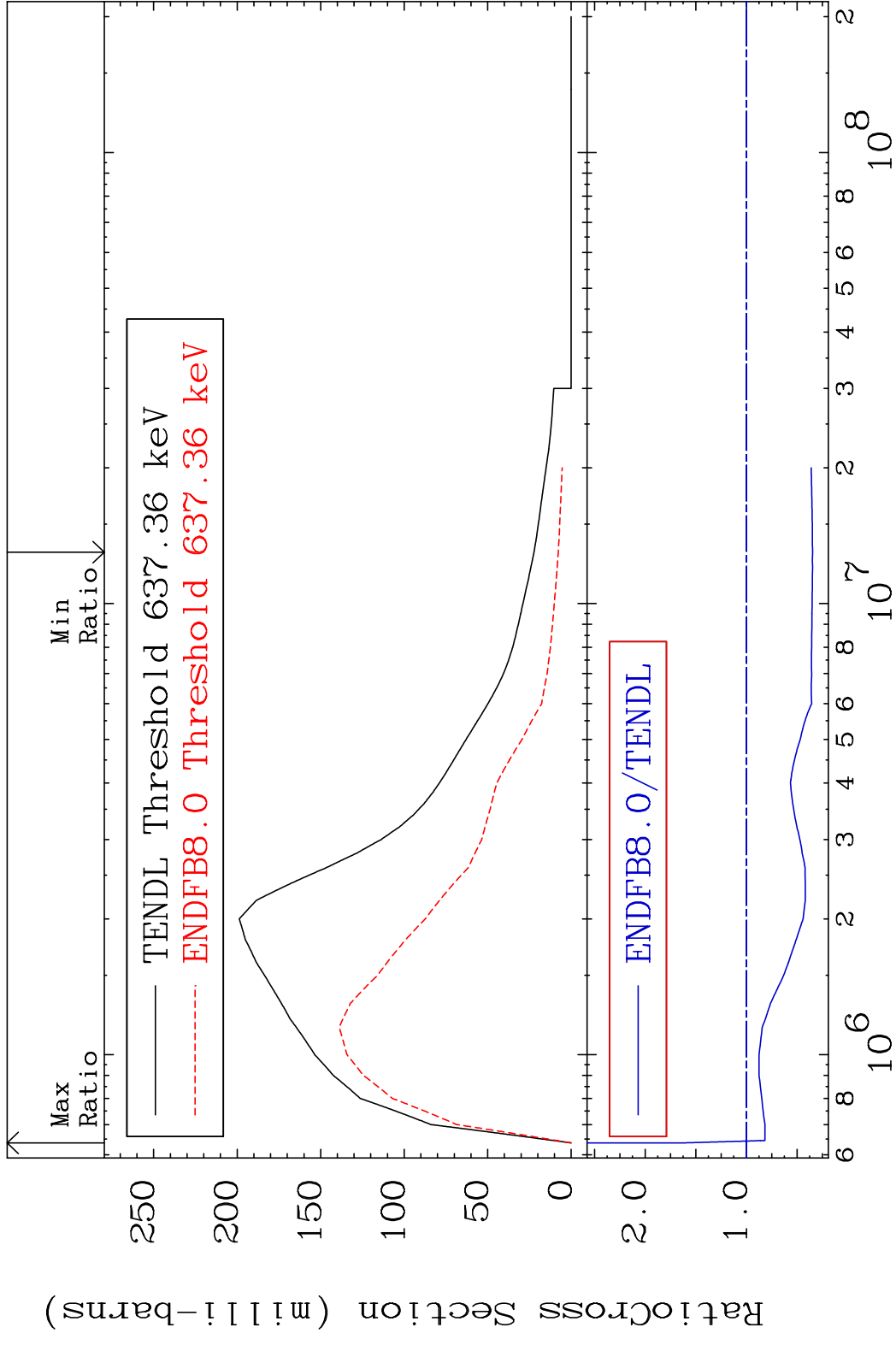
MAT 5525 MT= 53 (n,n') Level 55-Cs-133
 Cross Section -100.0 To 0.539 %



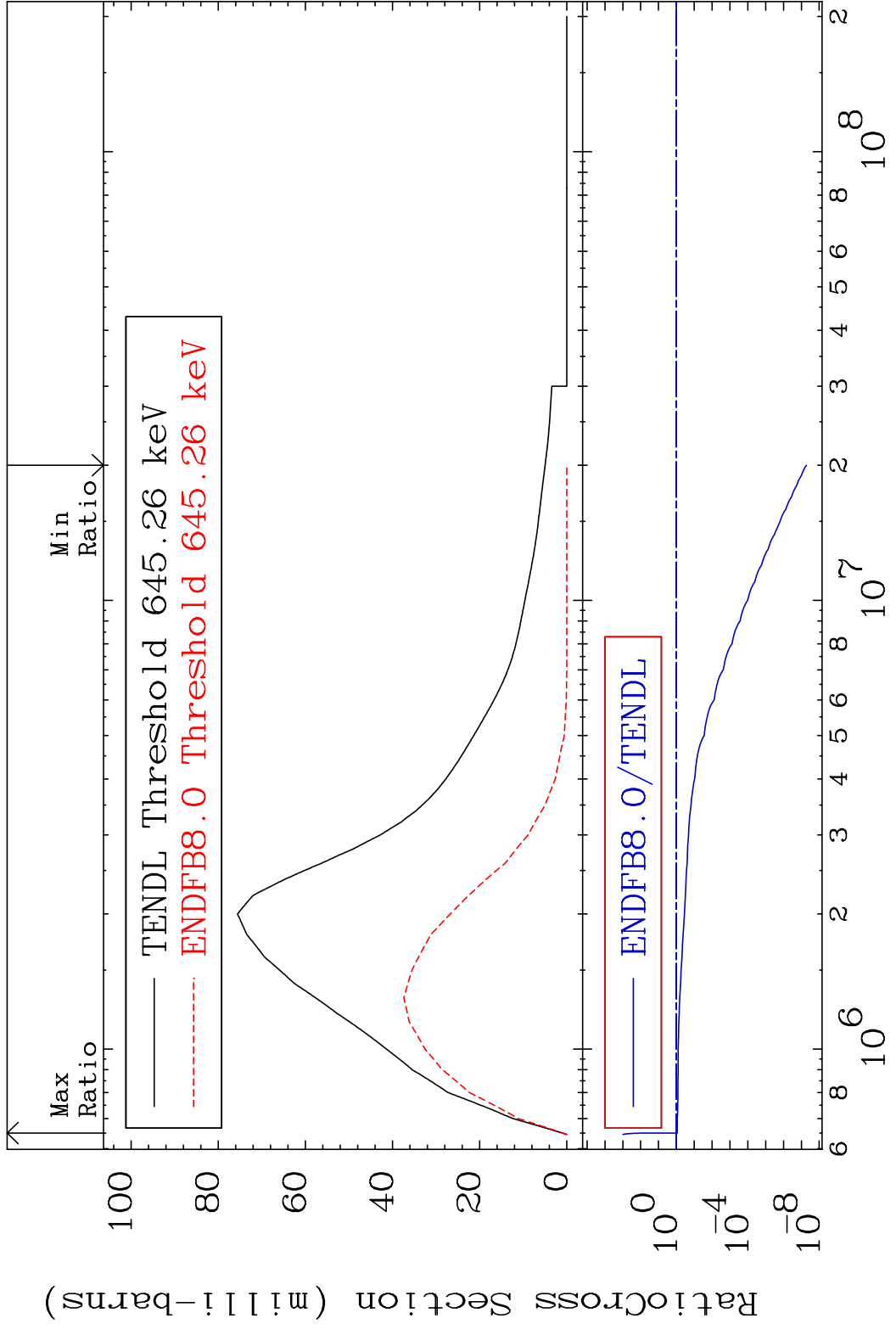
MAT 5525 MT= 54 (n,n') Level 55-Cs-133
 Cross Section -100.0 To -3.034%



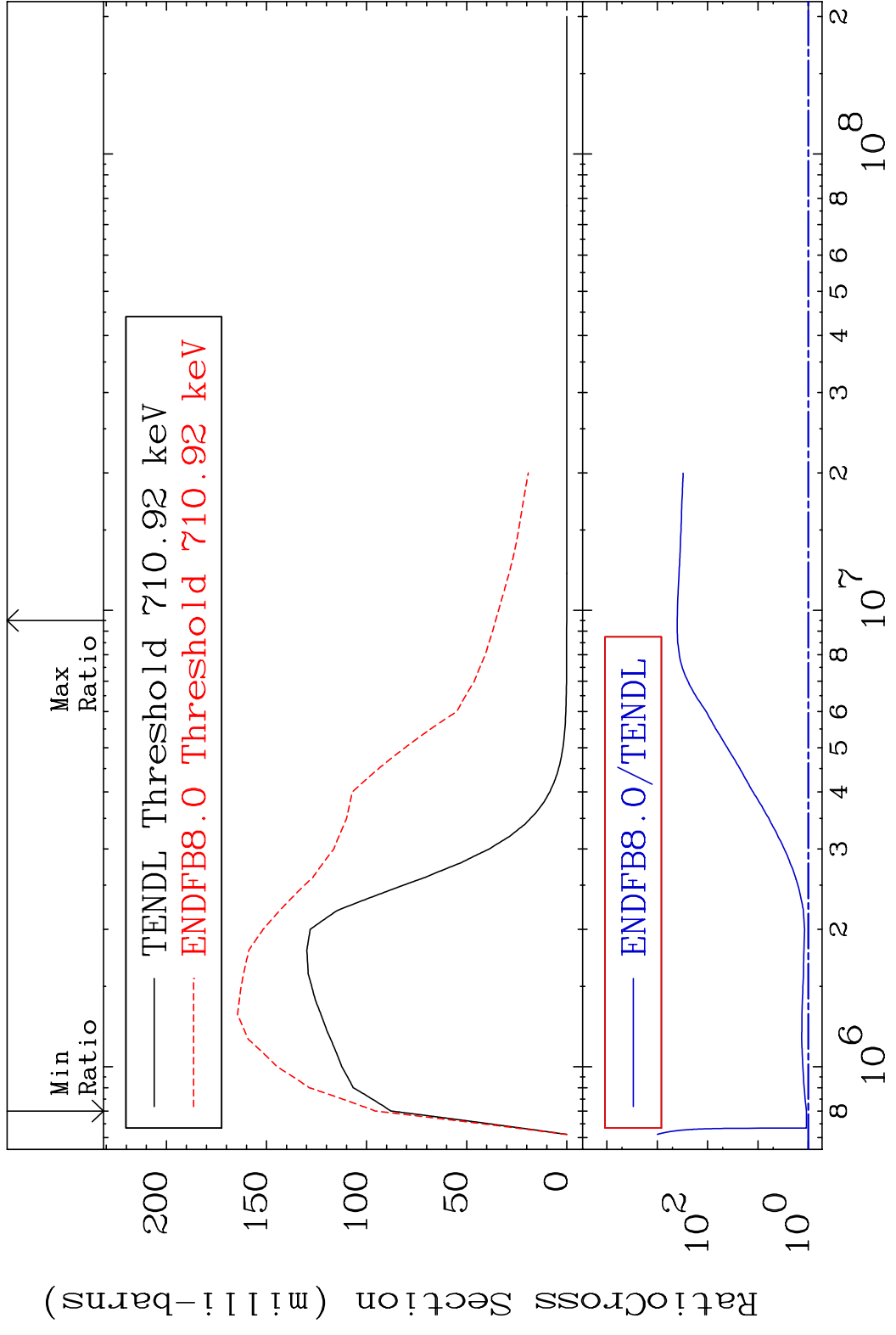
MAT 5525 MT= 55 (n, n') Level 55-Cs-133
 Cross Section -65.36 To 63.23 %



MAT 5525 MT= 56 (n, n') Level 55-Cs-133
 Cross Section -100.0 To -9.959%

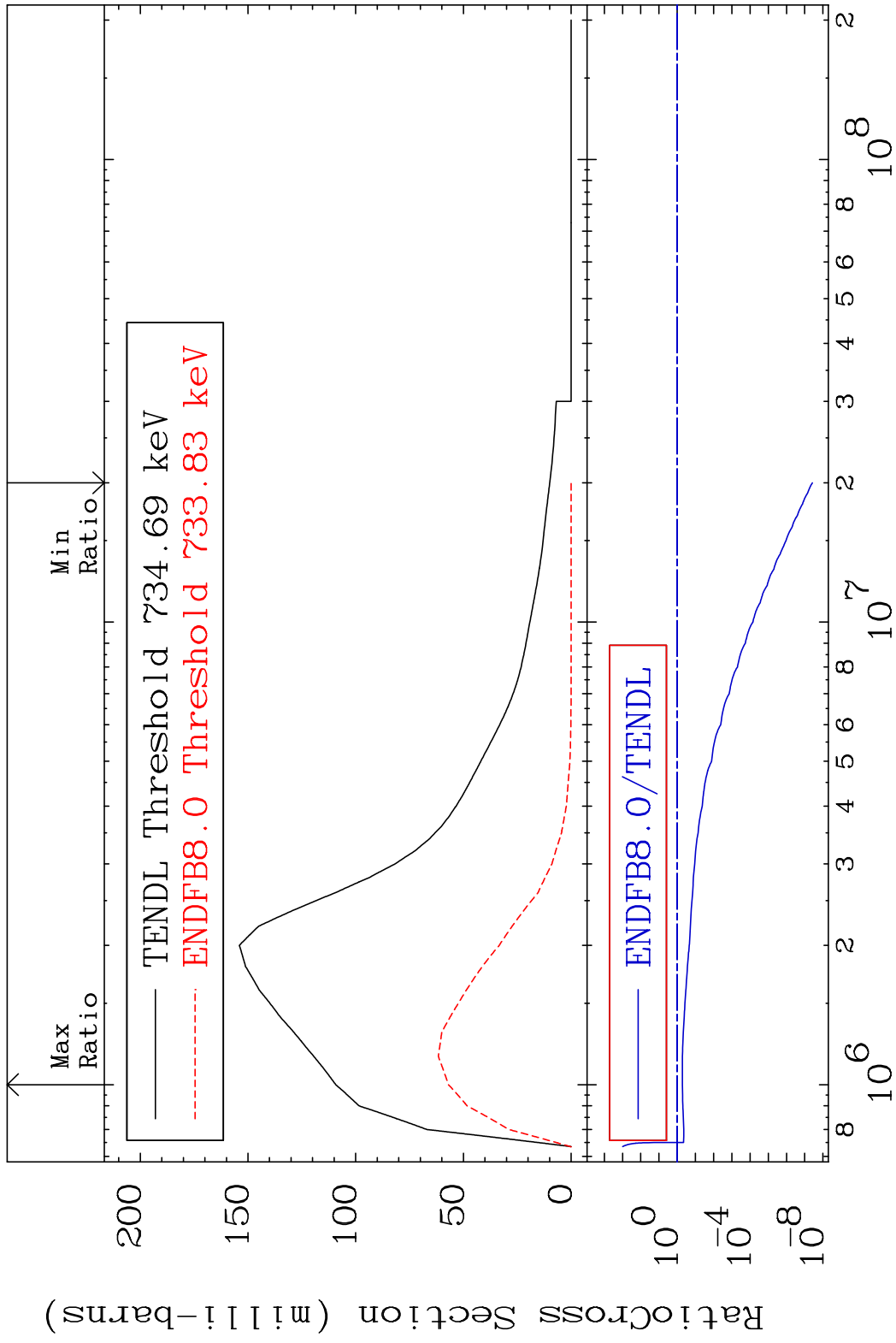


MAT 5525 MT= 57 (n, n') Level 55-Cs-133
 Cross Section 8.884 To 9999. %



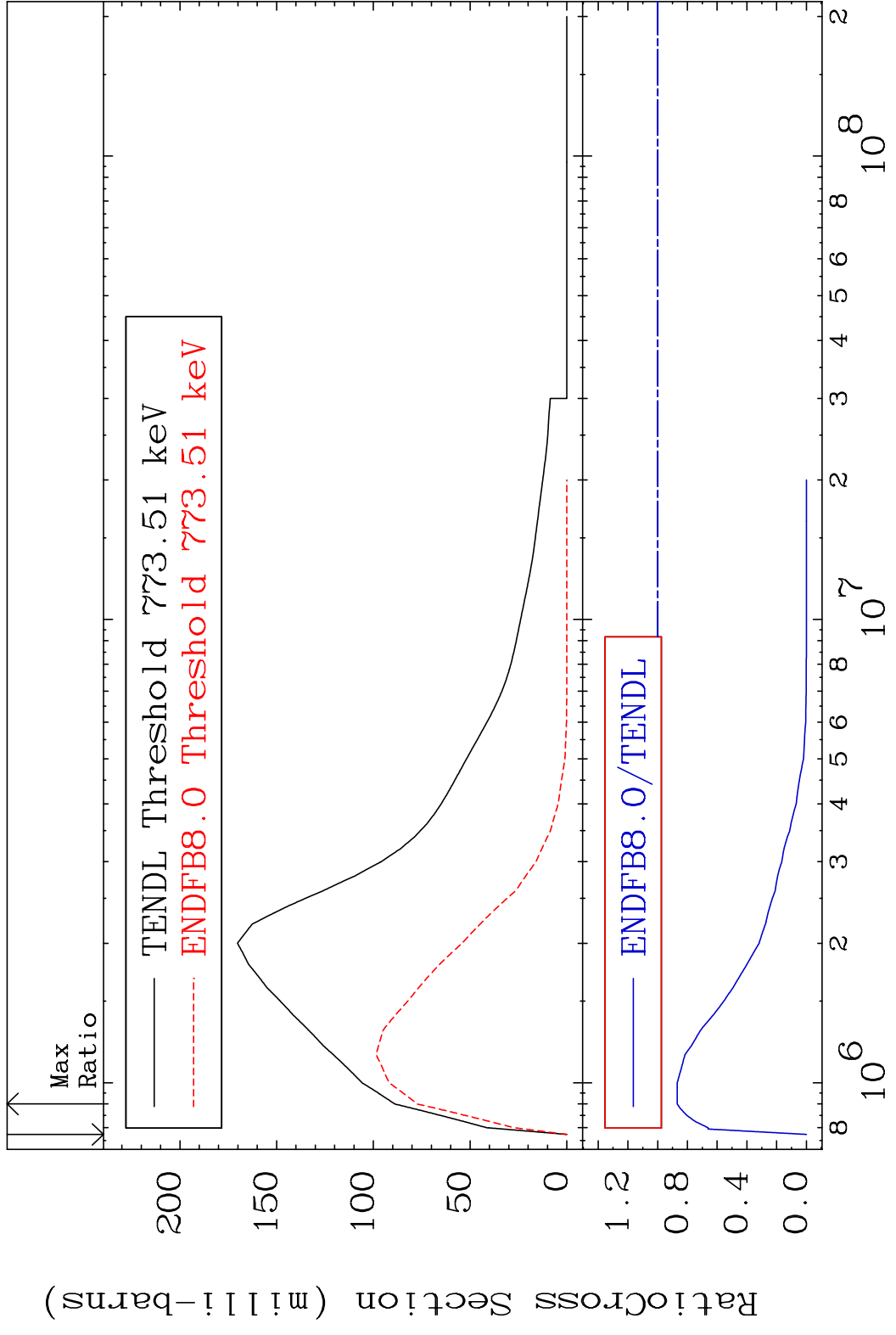
16 Incident Energy (eV) 55-Cs-133

MAT 5525 MT= 58 (n, n') Level 55-Cs-133
 Cross Section -100.0 To -47.87%

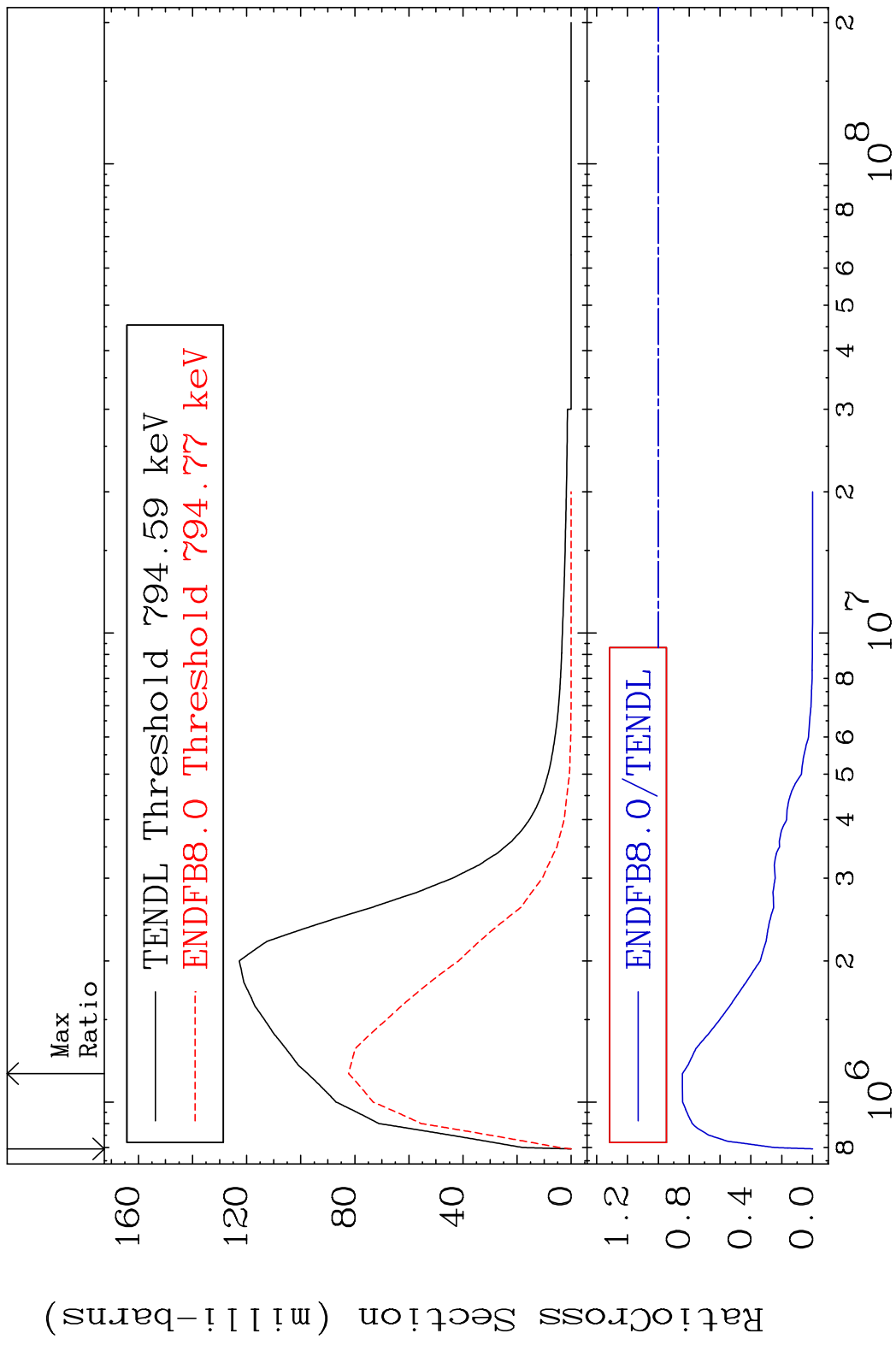


17 Incident Energy (eV) 55-Cs-133

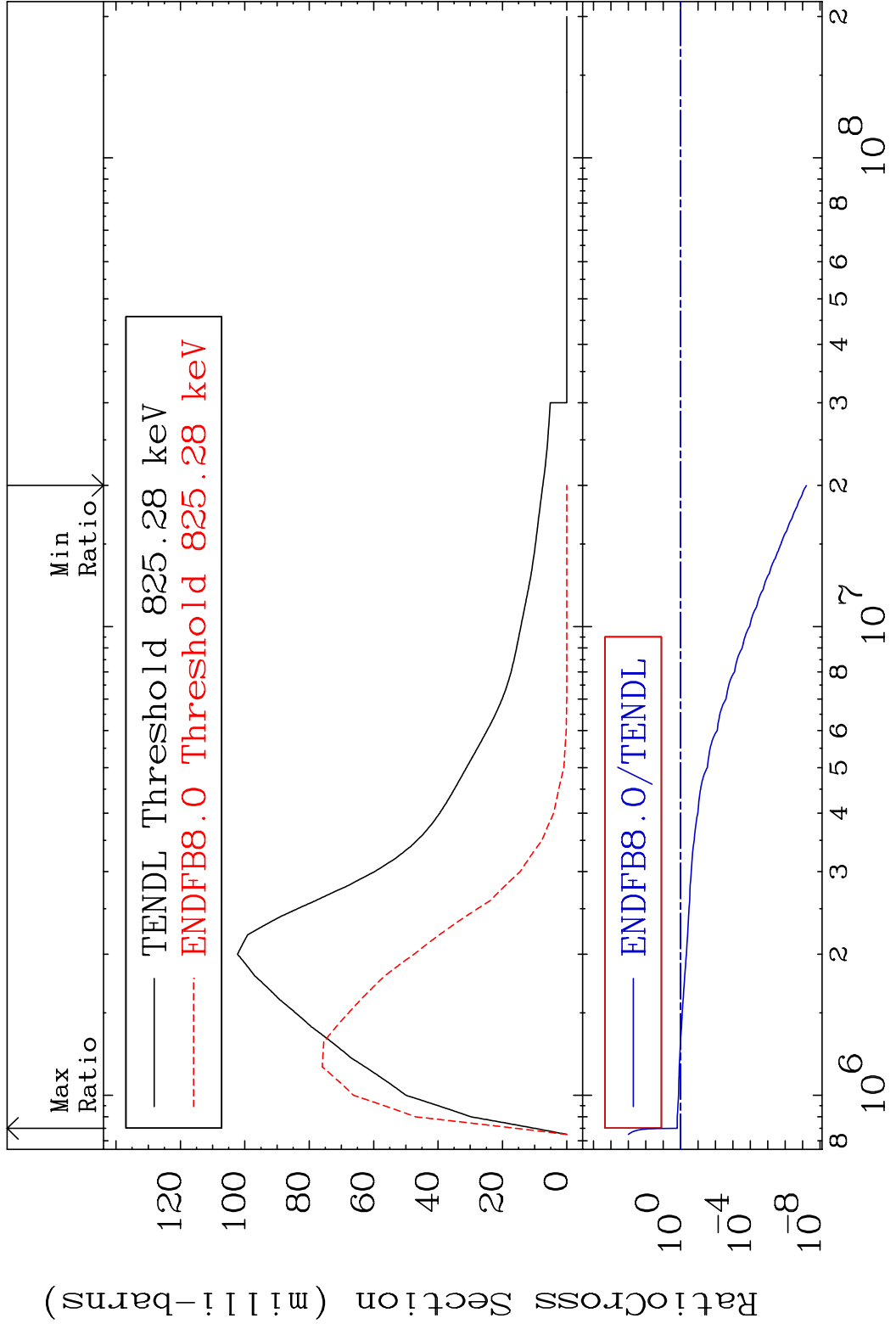
MAT 5525 MT= 59 (n,n') Level 55-Cs-133
 Cross Section -100.0 To -13.12%



MAT 5525 MT= 60 (n,n') Level 55-Cs-133
 Cross Section -100.0 To -15.56%

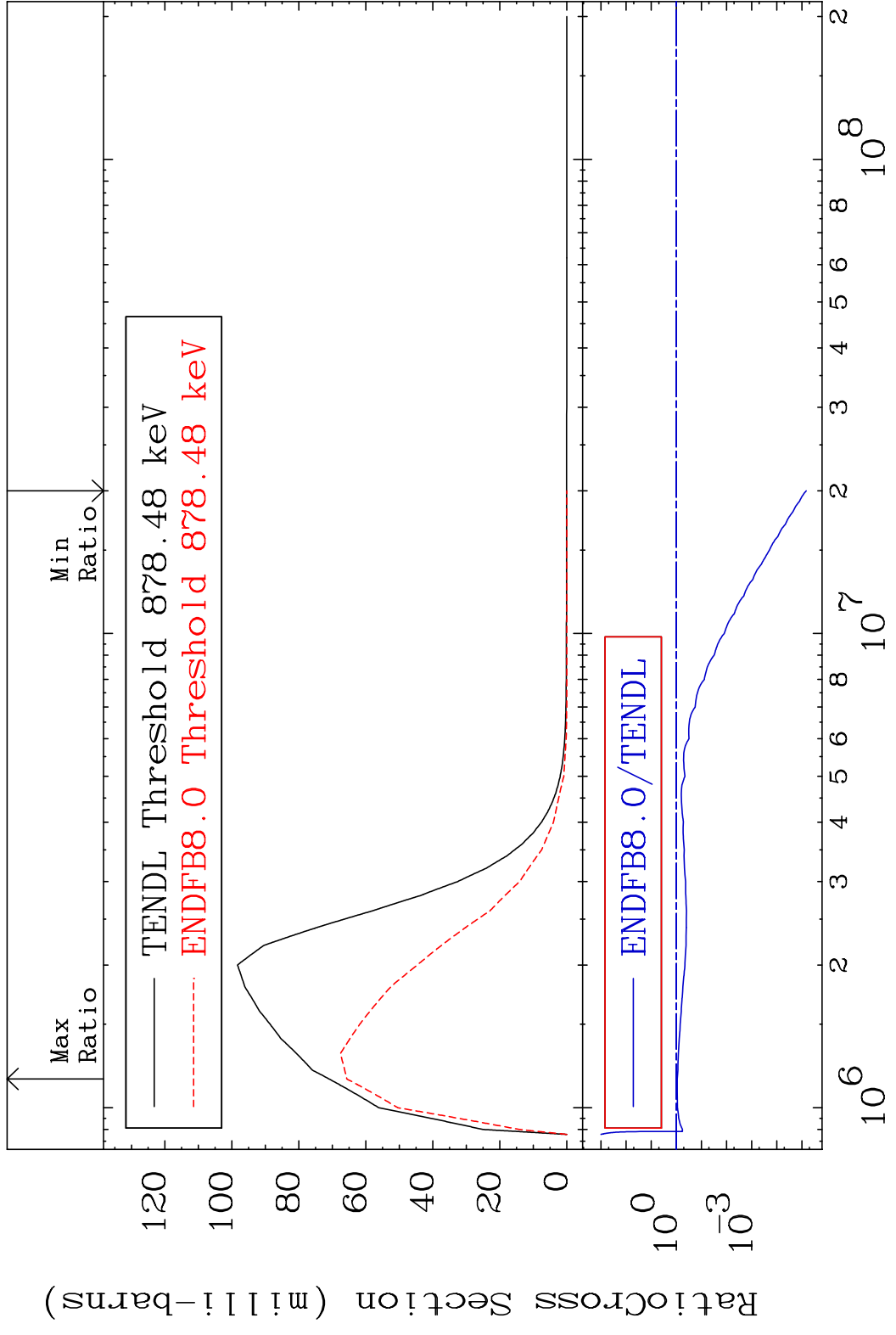


MAT 5525 MT= 61 (n, n') Level 55-Cs-133
 Cross Section -100.0 To 57.71 %

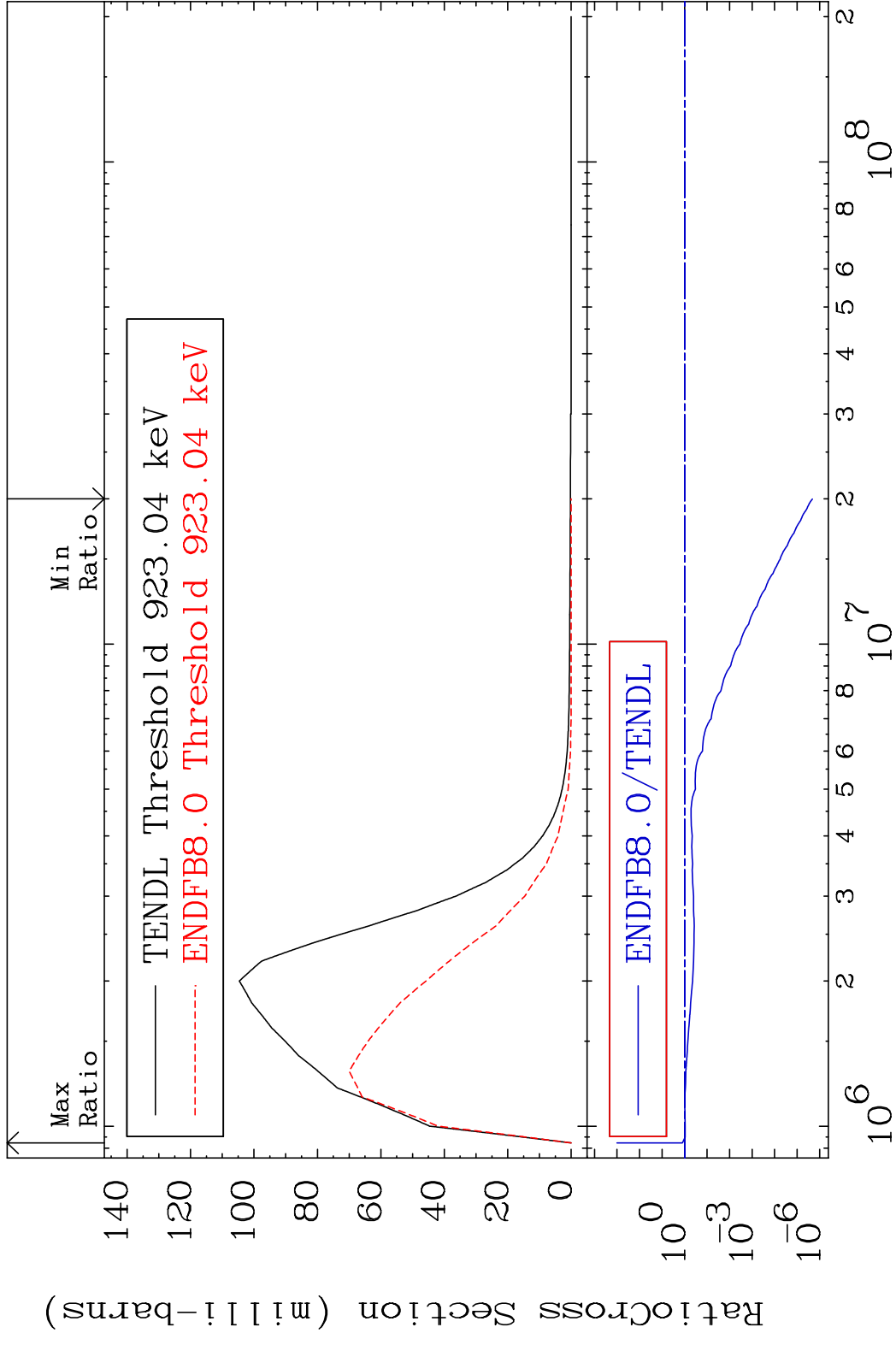


20 Incident Energy (eV) 55-Cs-133

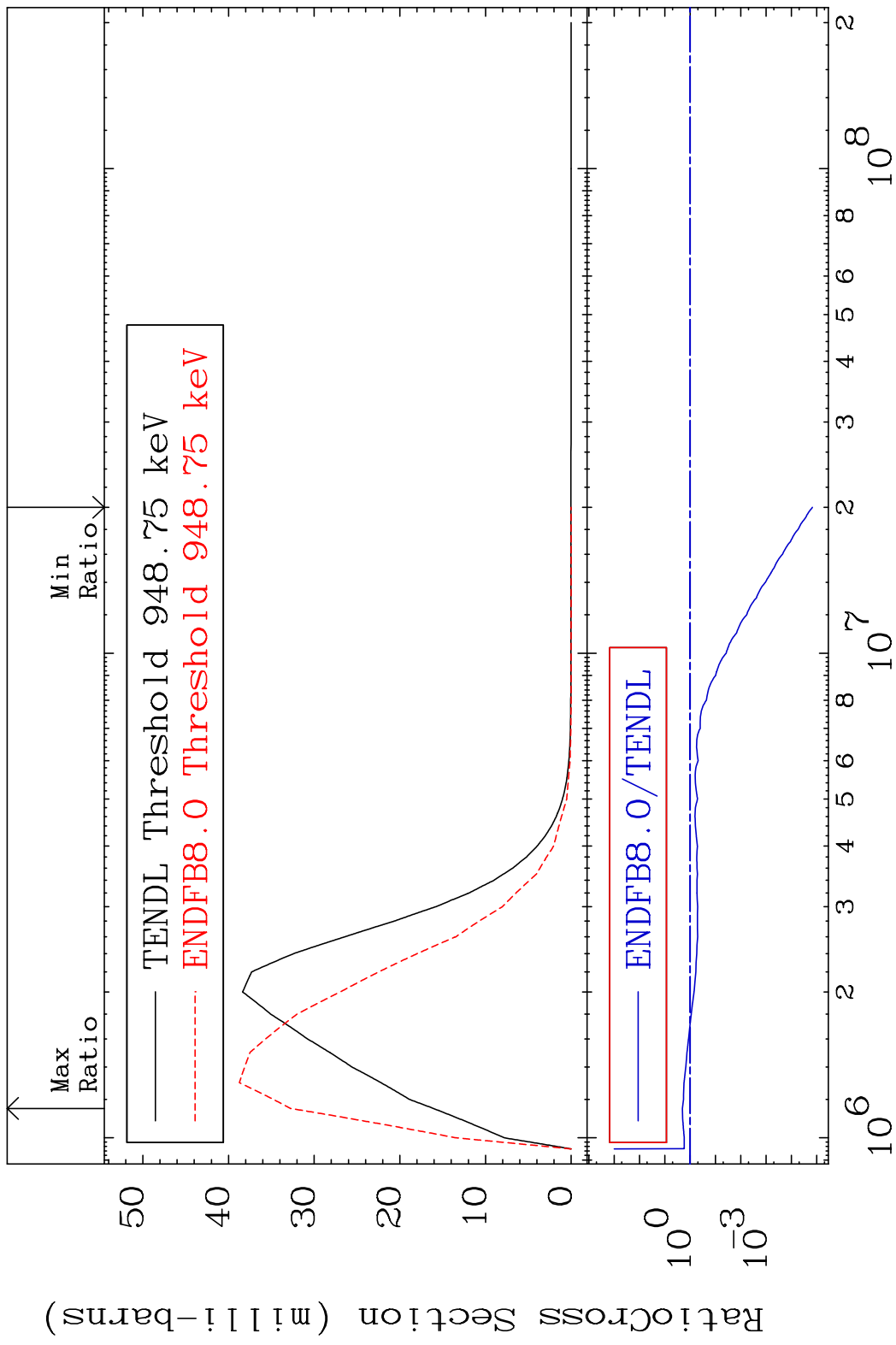
MAT 5525 MT= 62 (n, n') Level 55-Cs-133
 Cross Section -100.0 To -7.491%



MAT 5525 MT= 63 (n, n') Level 55-Cs-133
 Cross Section -100.0 To 25.34 %

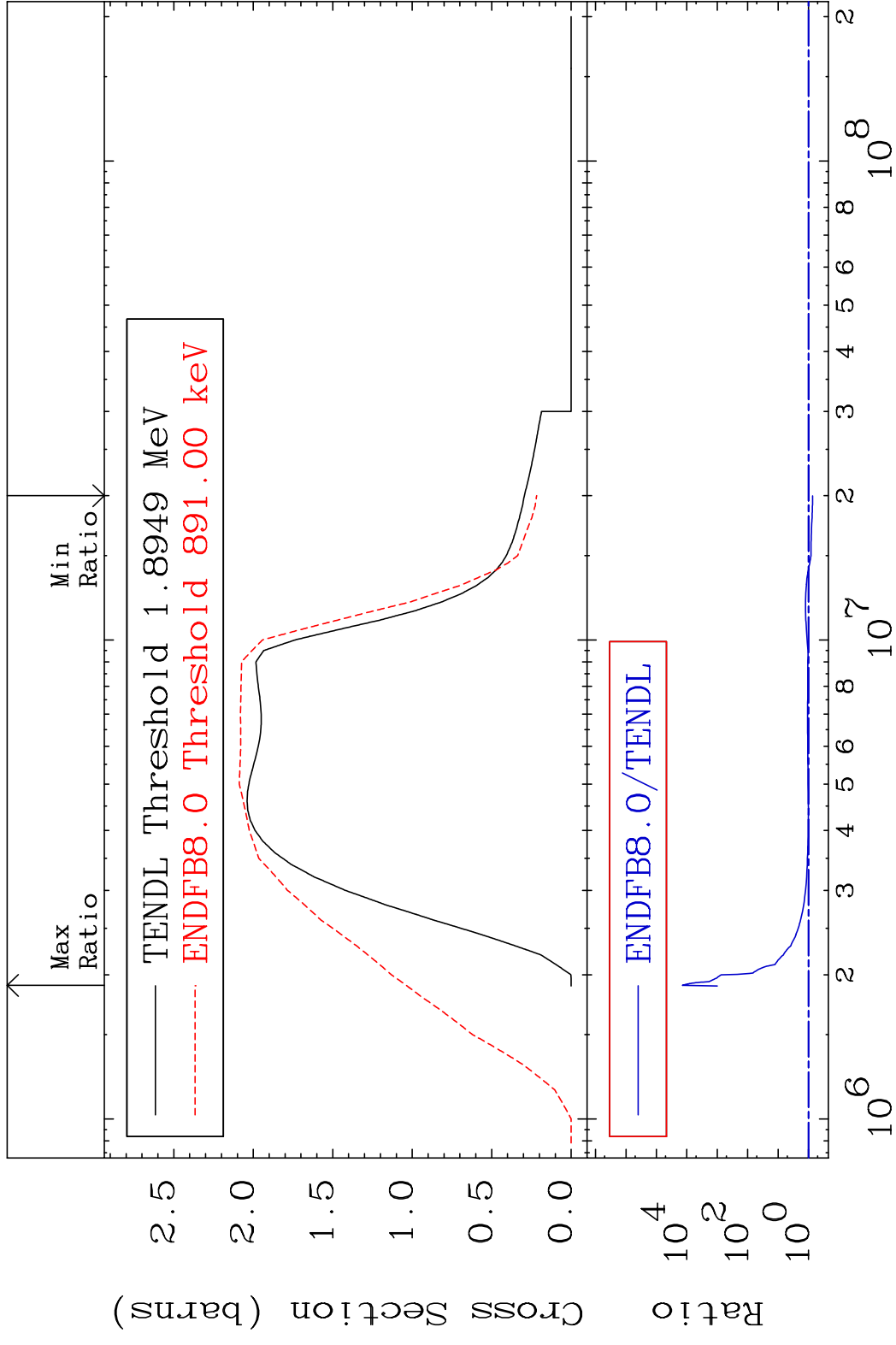


MAT 5525 MT= 64 (n, n') Level 55-Cs-133
 Cross Section -100.0 To 103.5 %



23 Incident Energy (eV) 55-Cs-133

MAT 5525 (n,n') Continuum 55-Cs-133
 Cross Section -26.38 To 9999. %

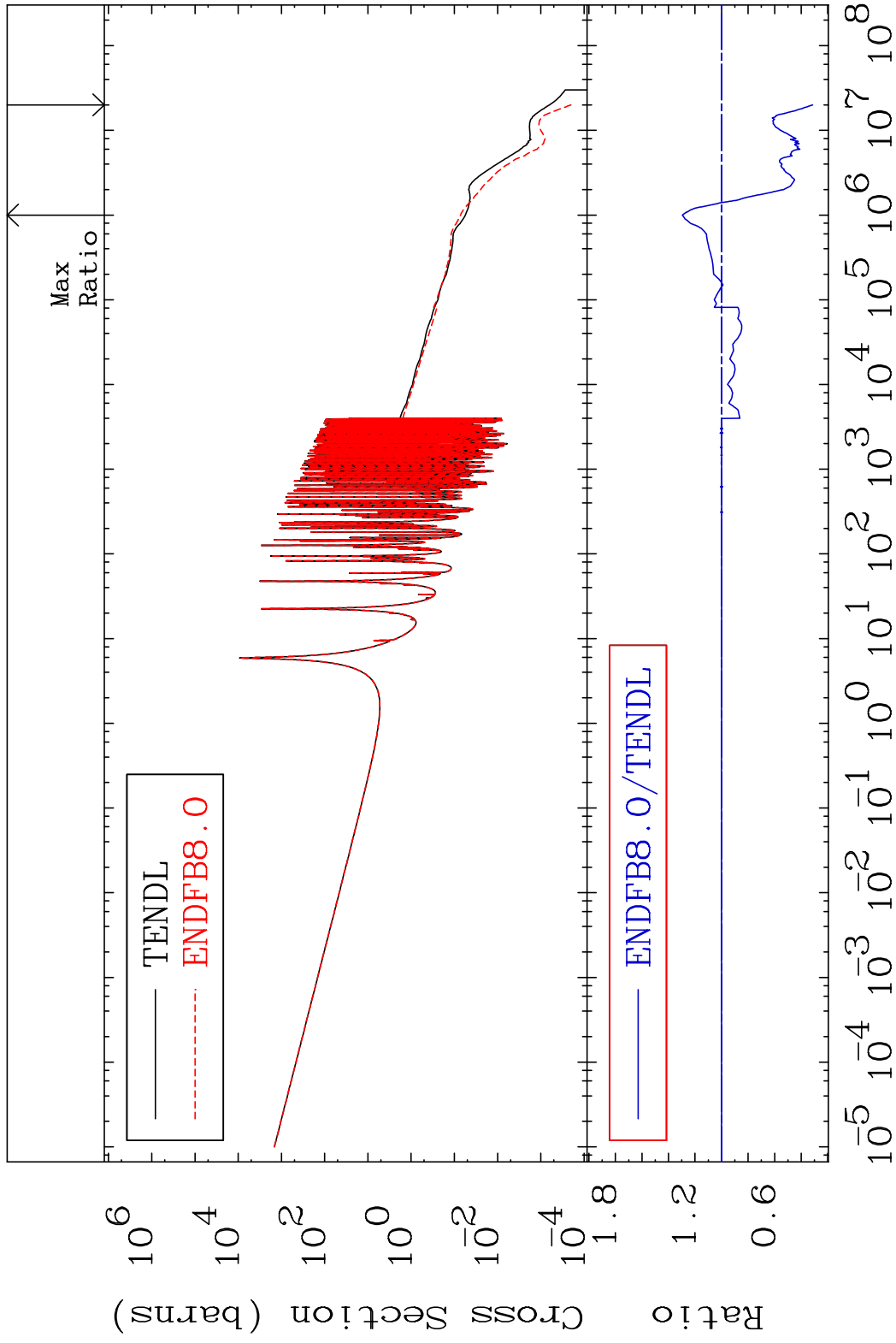


MAT 5525

(n, γ)

55-Cs-133

Cross Section -68.58 To 29.56 %



25

Incident Energy (eV)

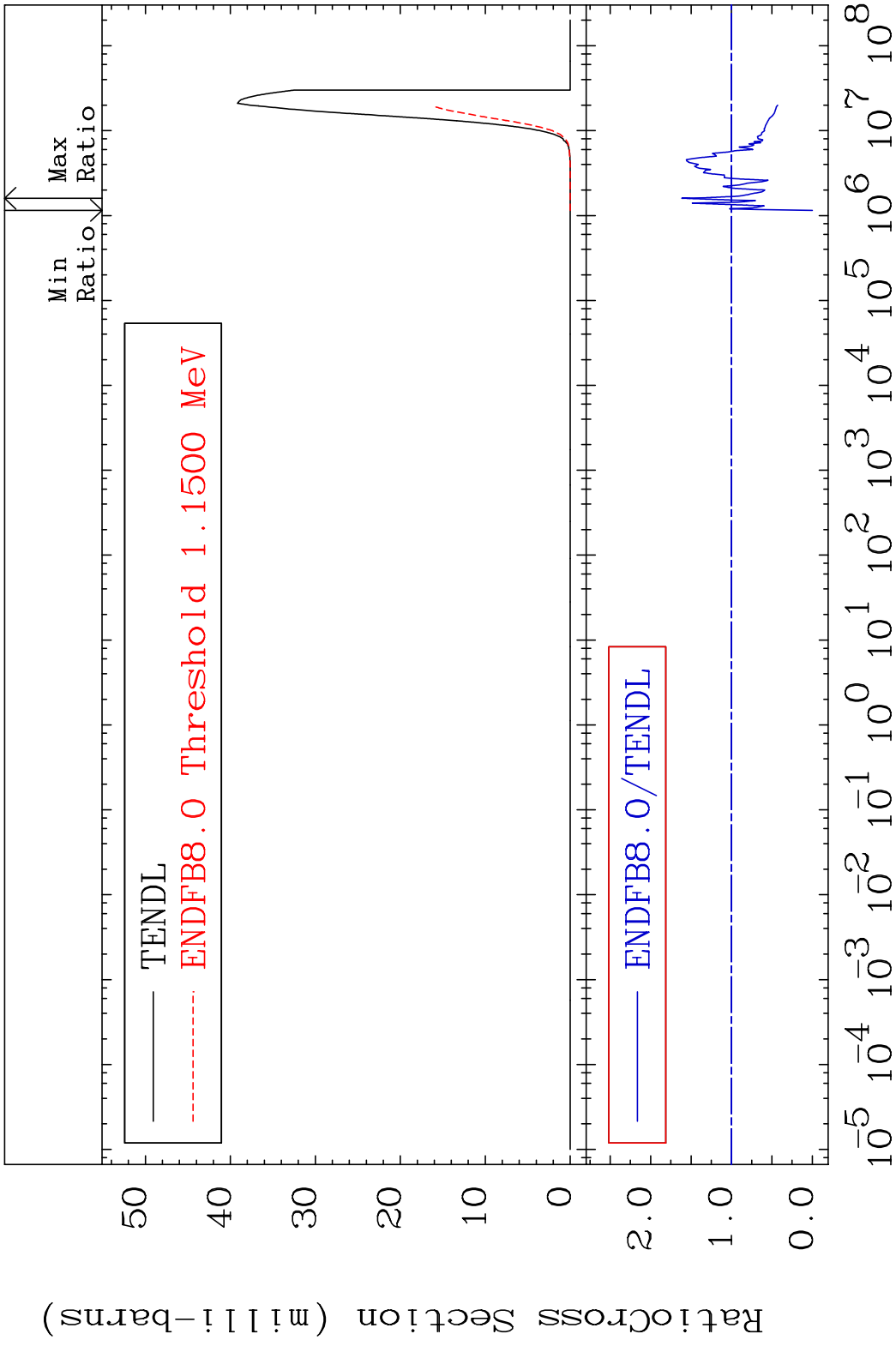
55-Cs-133

MAT 5525

(n, p)

55-Cs-133

Cross Section -100.0 To 61.50 %



26

Incident Energy (eV)

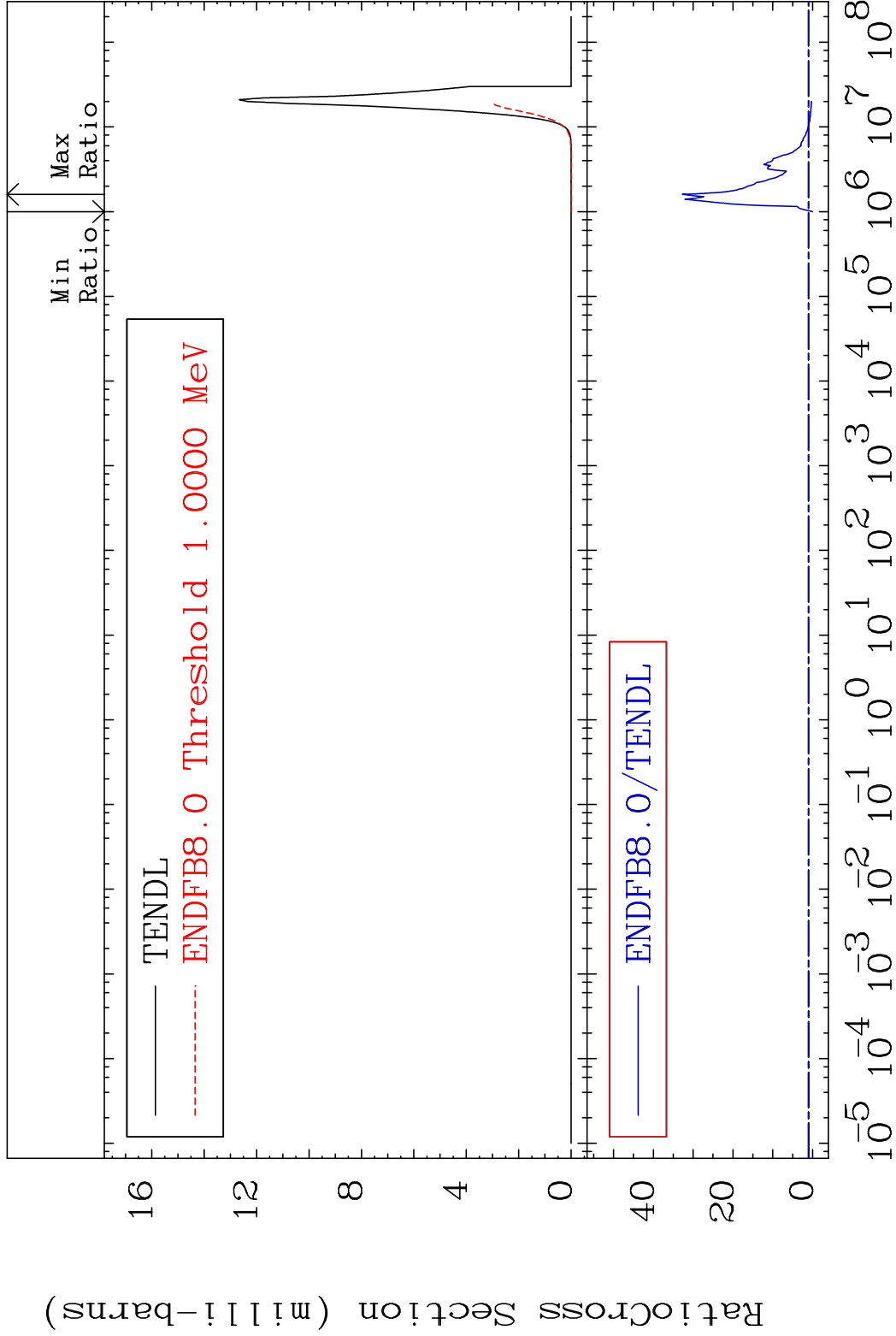
55-Cs-133

MAT 5525

(n, α)

55-Cs-133

Cross Section -100.0 To 3171. %



27

Incident Energy (eV)

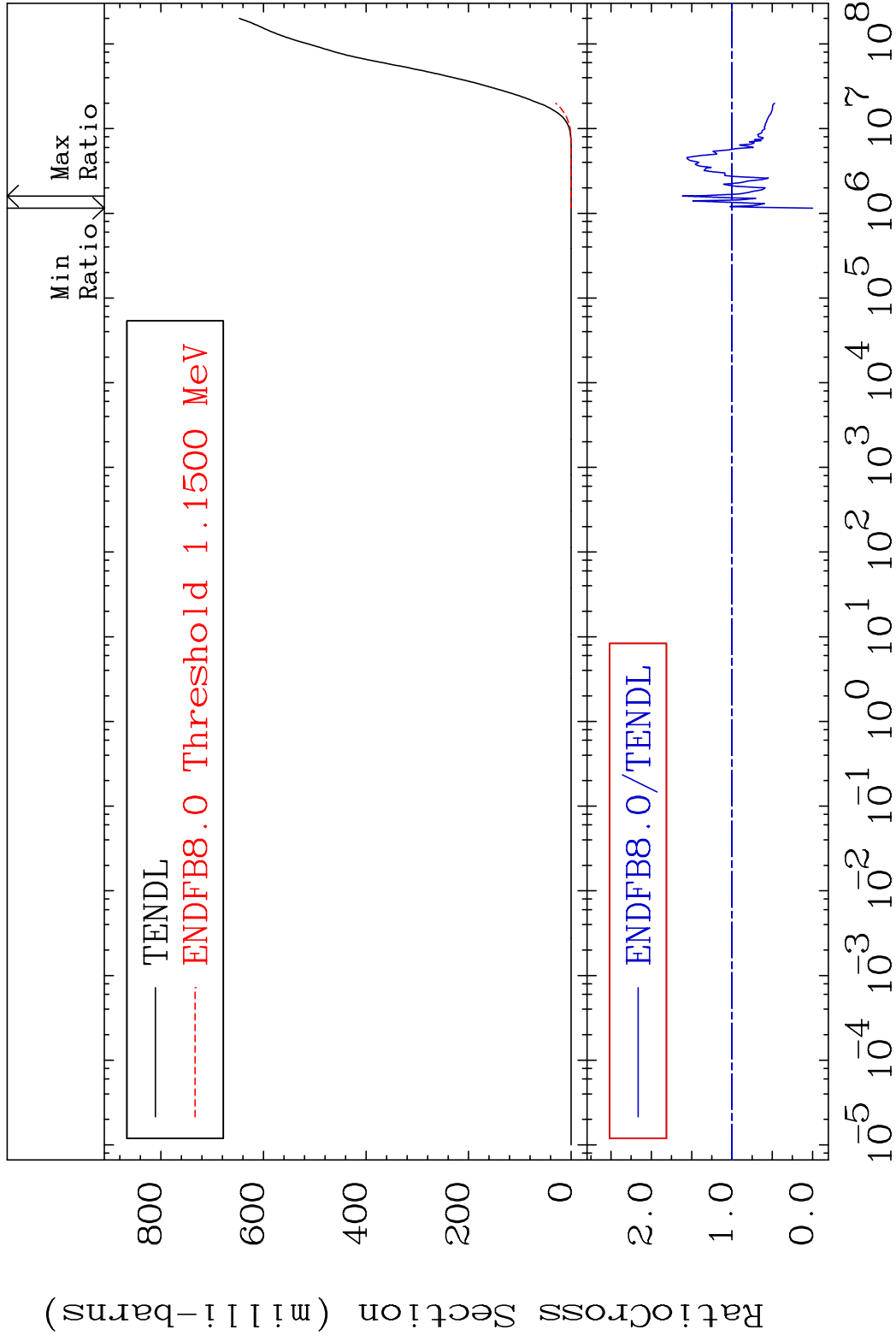
55-Cs-133

MAT 5525

Hydrogen Production

55-Cs-133

Cross Section -100.0 To 61.50 %



28

Incident Energy (eV)

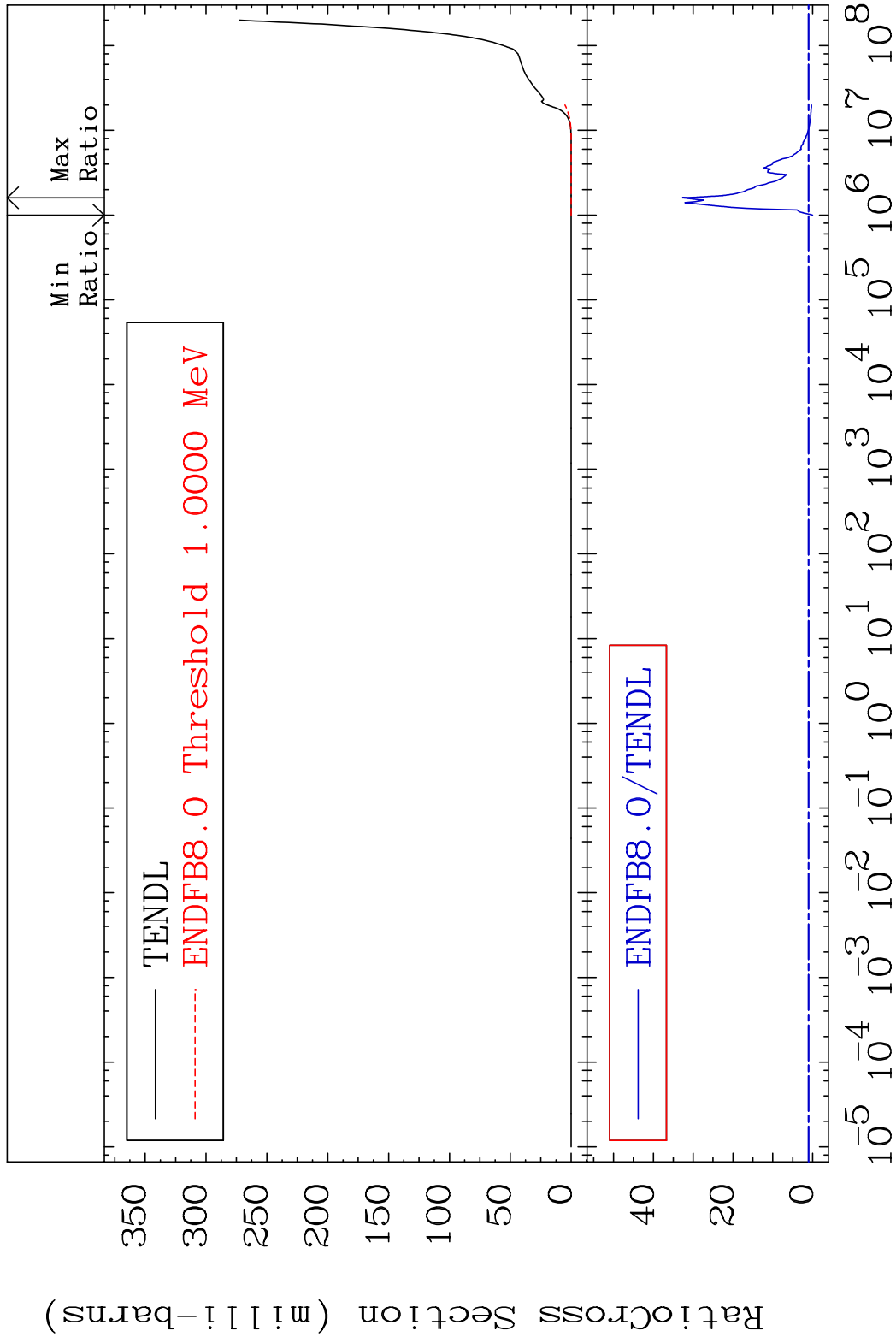
55-Cs-133

MAT 5525

He-4 Production

55-Cs-133

Cross Section -100.0 To 3171. %

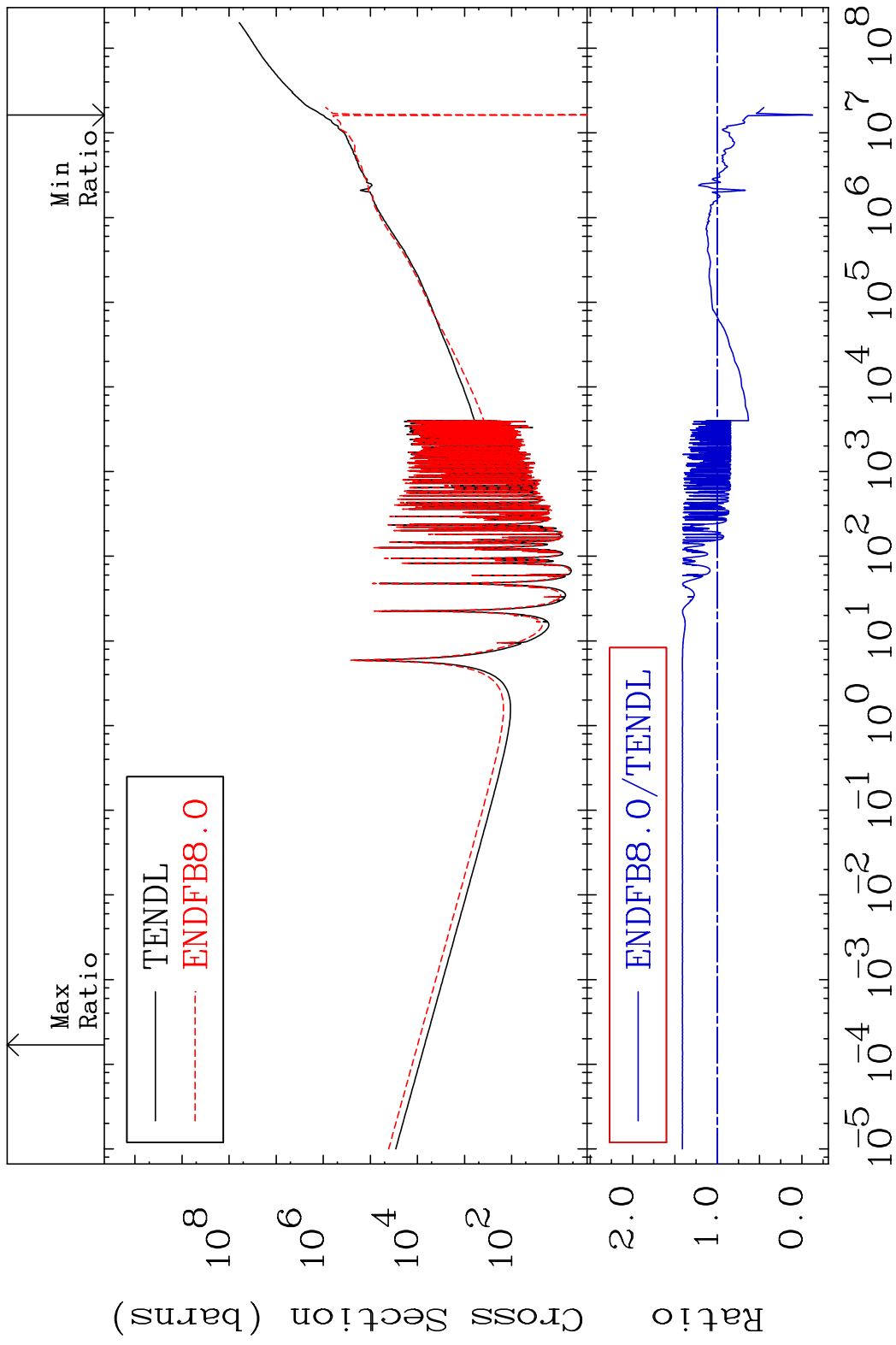


29

Incident Energy (eV)

55-Cs-133

MAT 5525 Kerma total (eV-barns) 55-Cs-133
 Cross Section -112.6 To 41.21 %

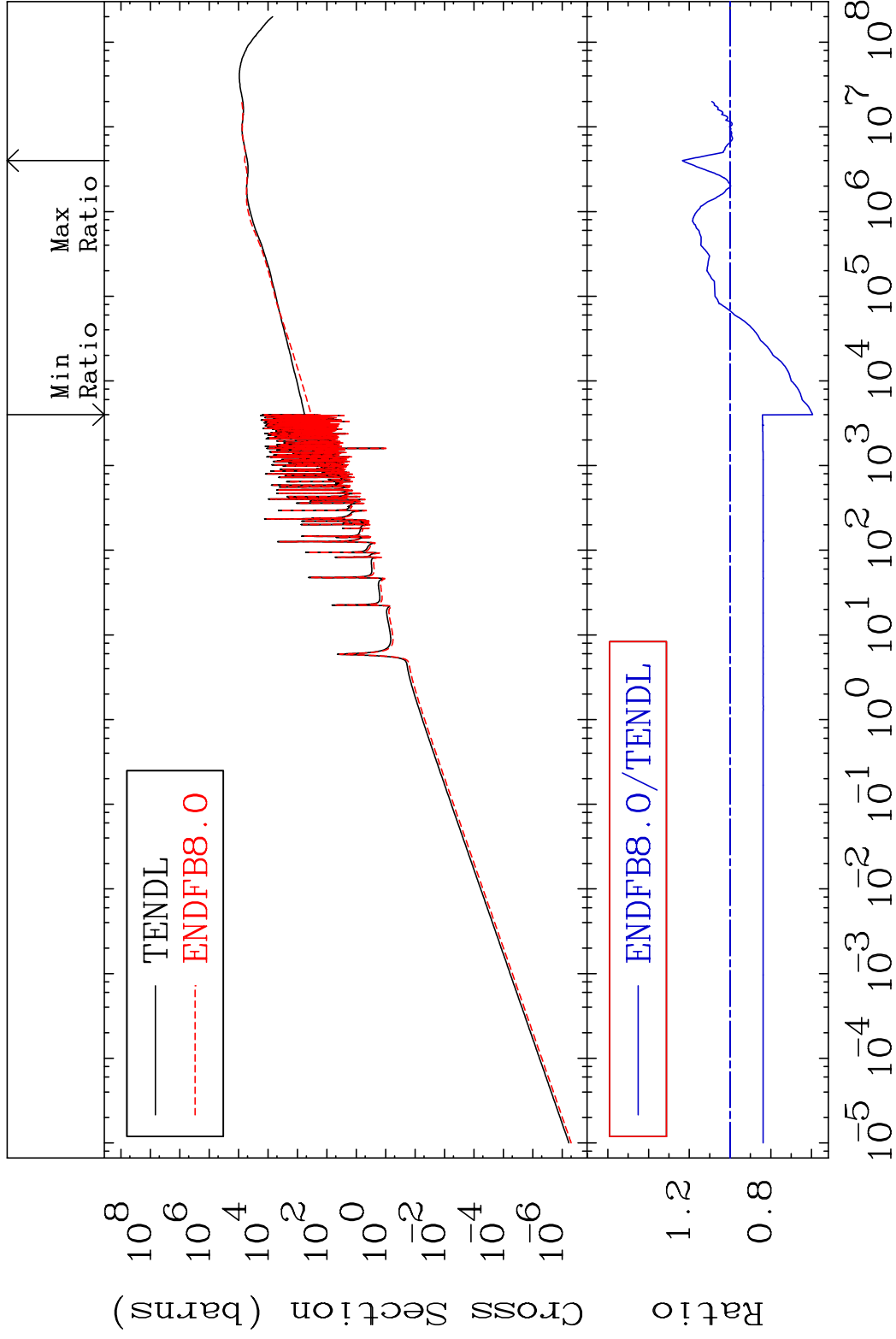


30 Incident Energy (eV) 55-Cs-133

MAT 5525

Kerma elastic
Cross Section

55-Cs-133
-40.50 To 23.41 %

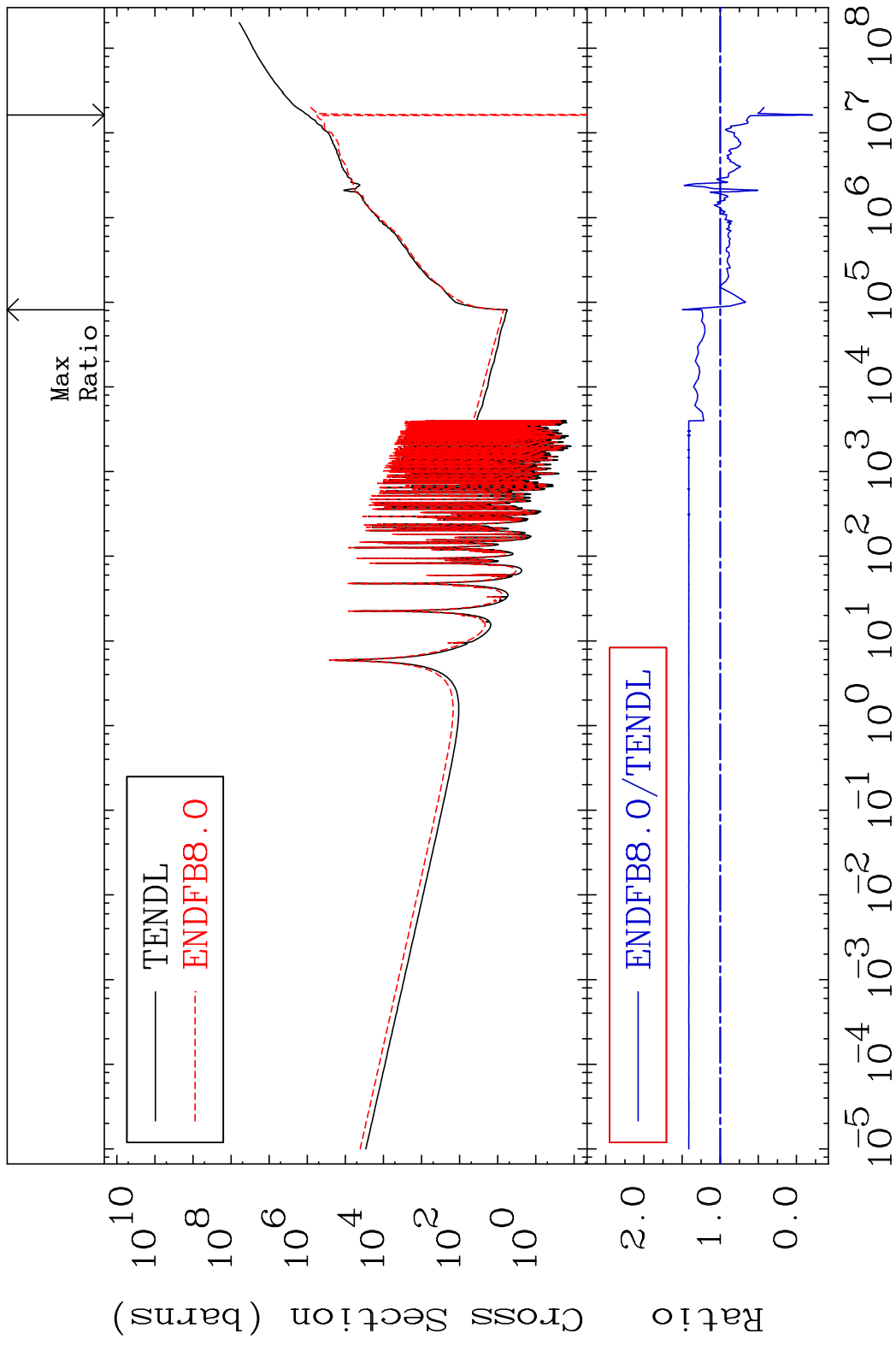


31

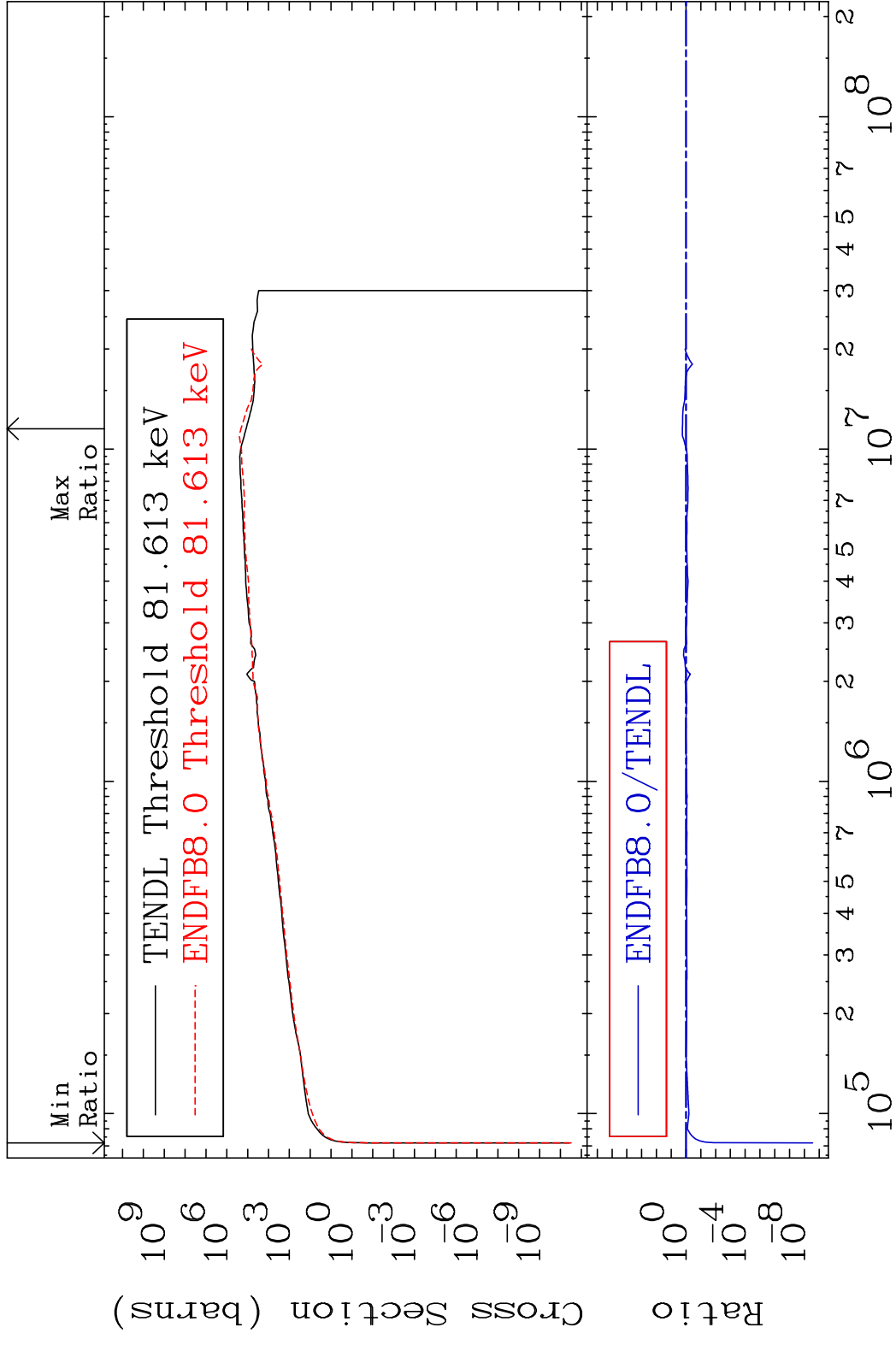
Incident Energy (eV)

55-Cs-133

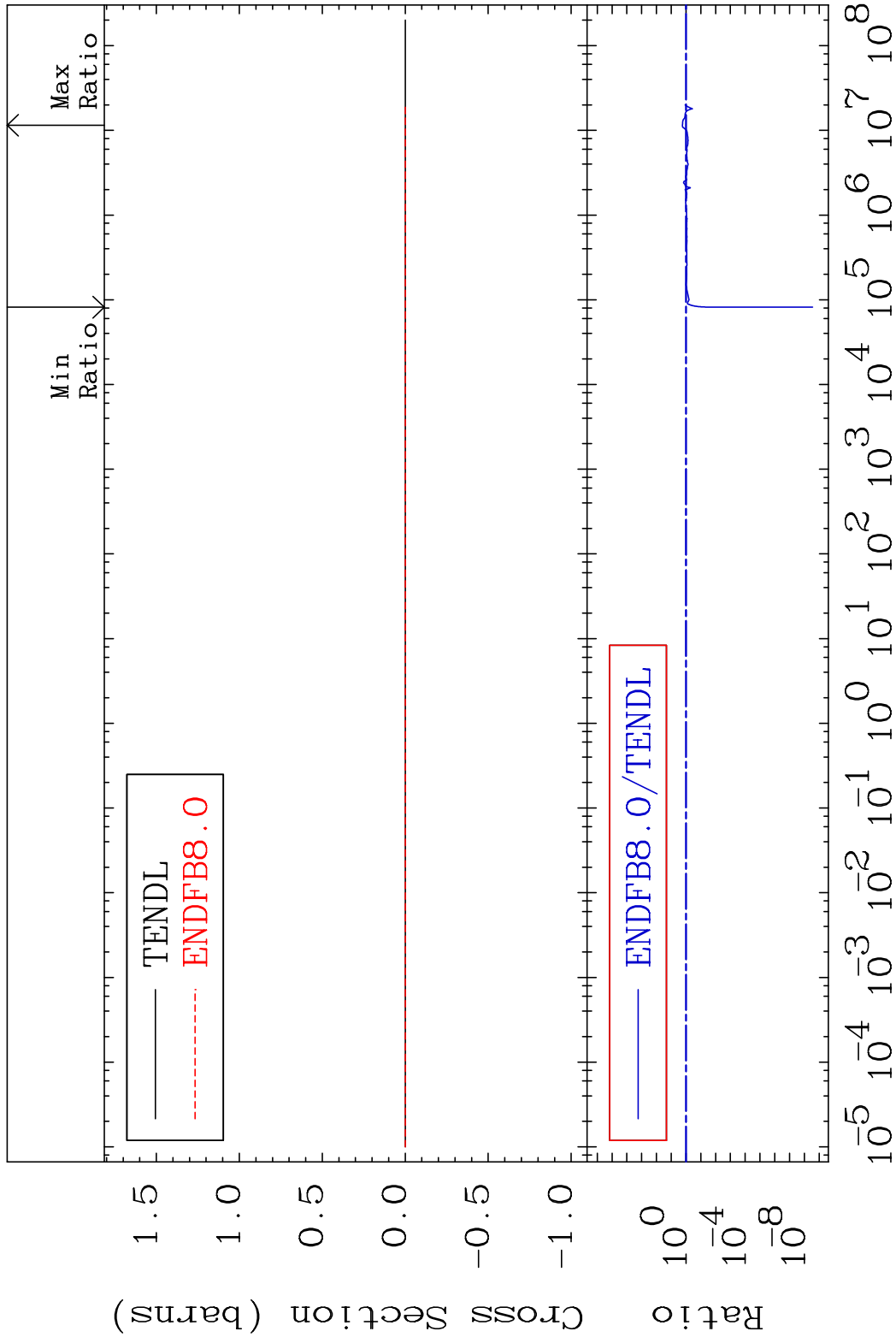
MAT 5525 Kerma non-elastic (all but mt2) 55-Cs-133
 Cross Section -121.0 To 49.61 %



MAT 5525 Kerma inelastic (mt51-91) 55-Cs-133
 Cross Section -100.0 To 76.41 %



MAT 5525 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-133
 Cross Section -100.0 To 76.41 %

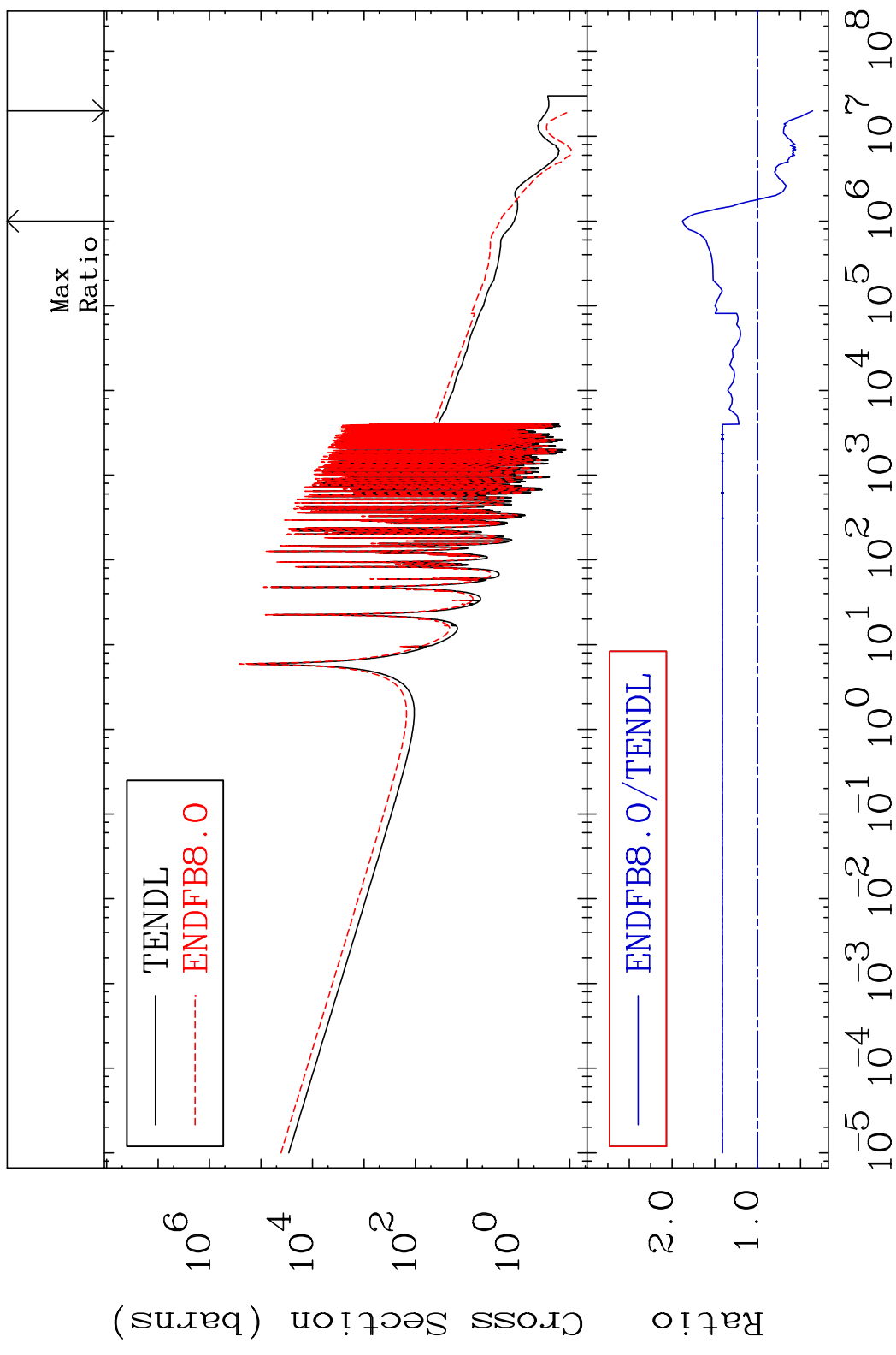


MAT 5525

Kerma capture (mt102)

55-Cs-133

Cross Section -64.15 To 87.95 %

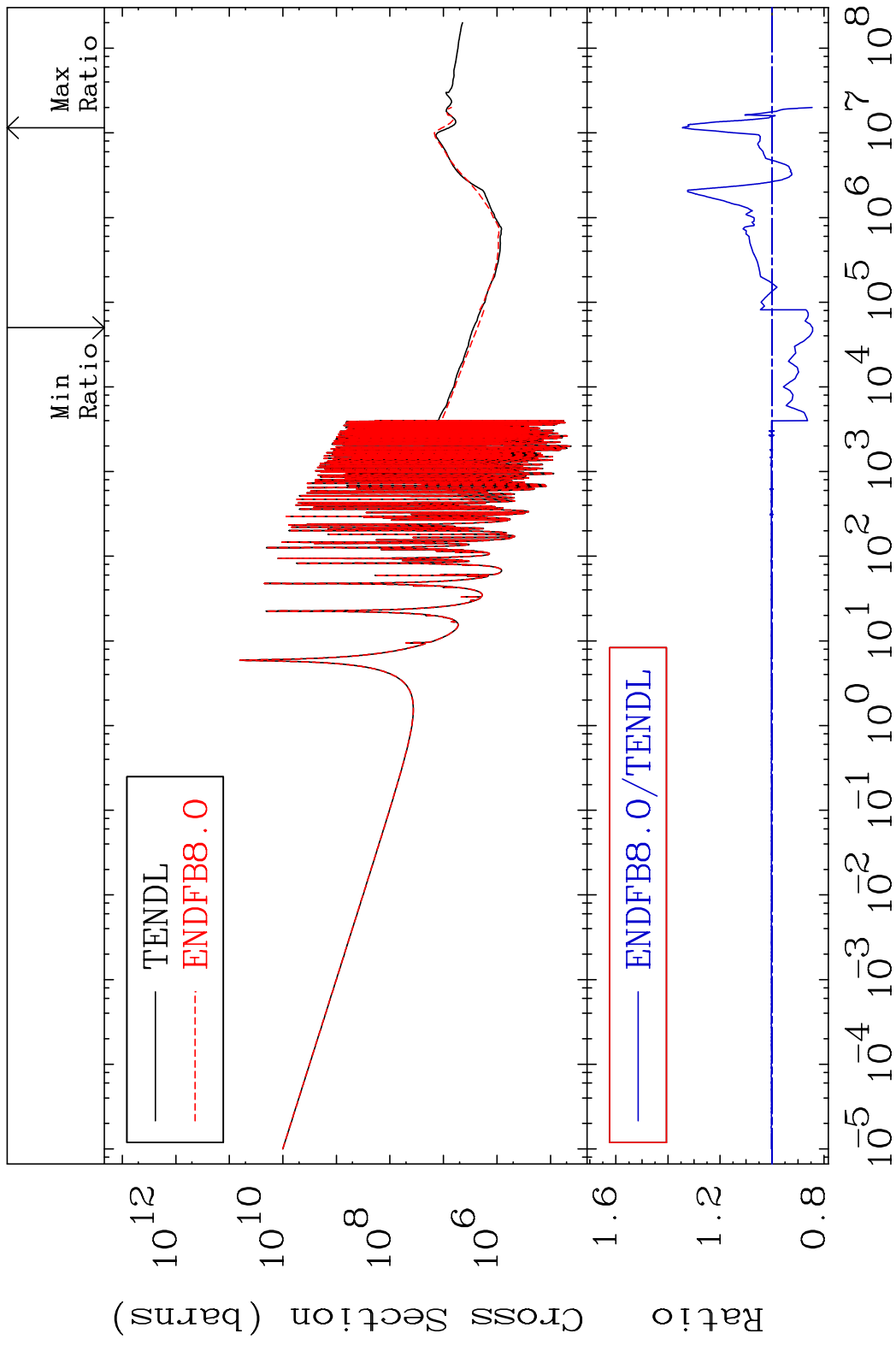


35

Incident Energy (eV)

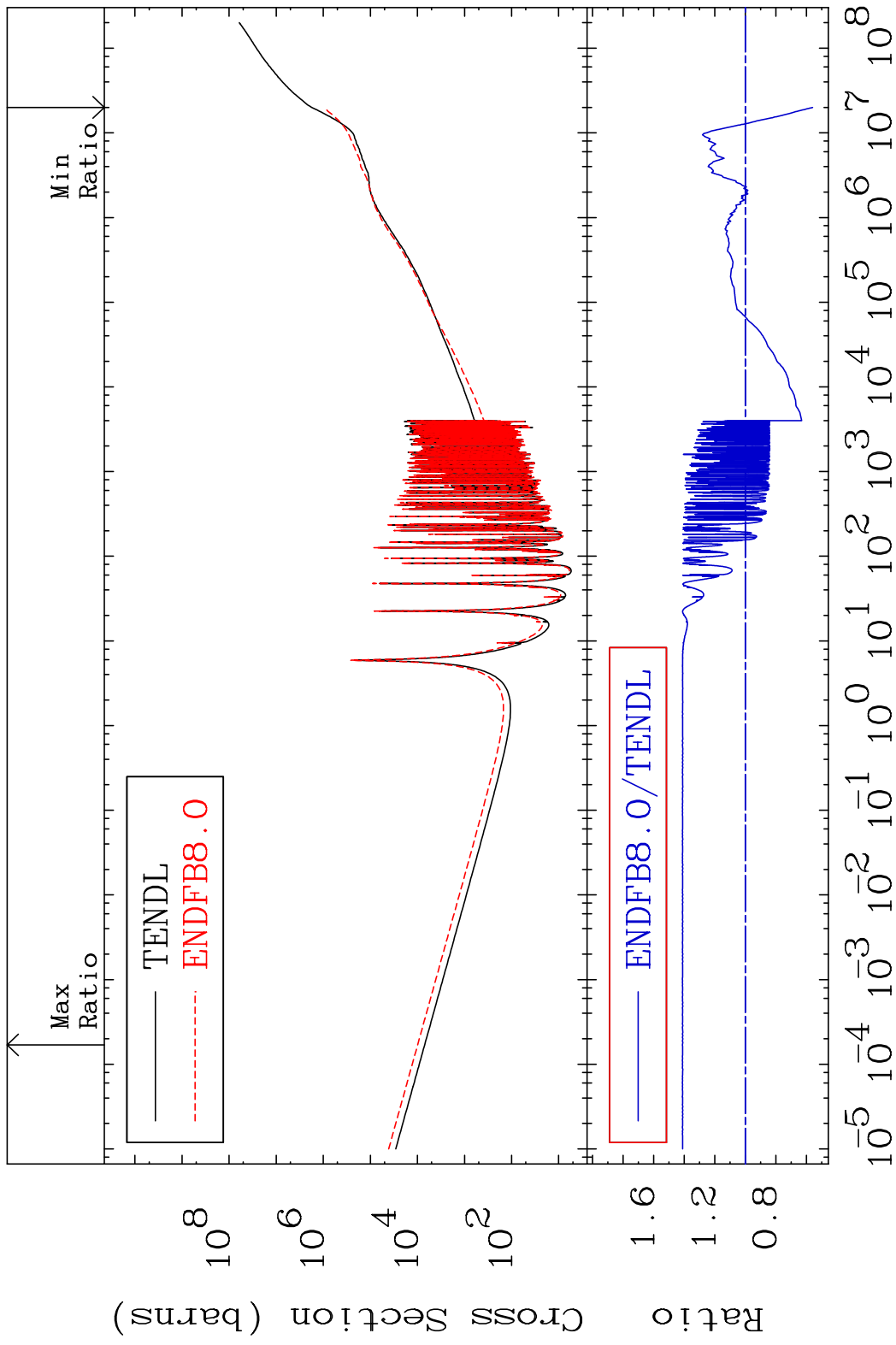
55-Cs-133

MAT 5525 Total photon (eV-barns) 55-Cs-133
 Cross Section -15.56 To 34.47 %

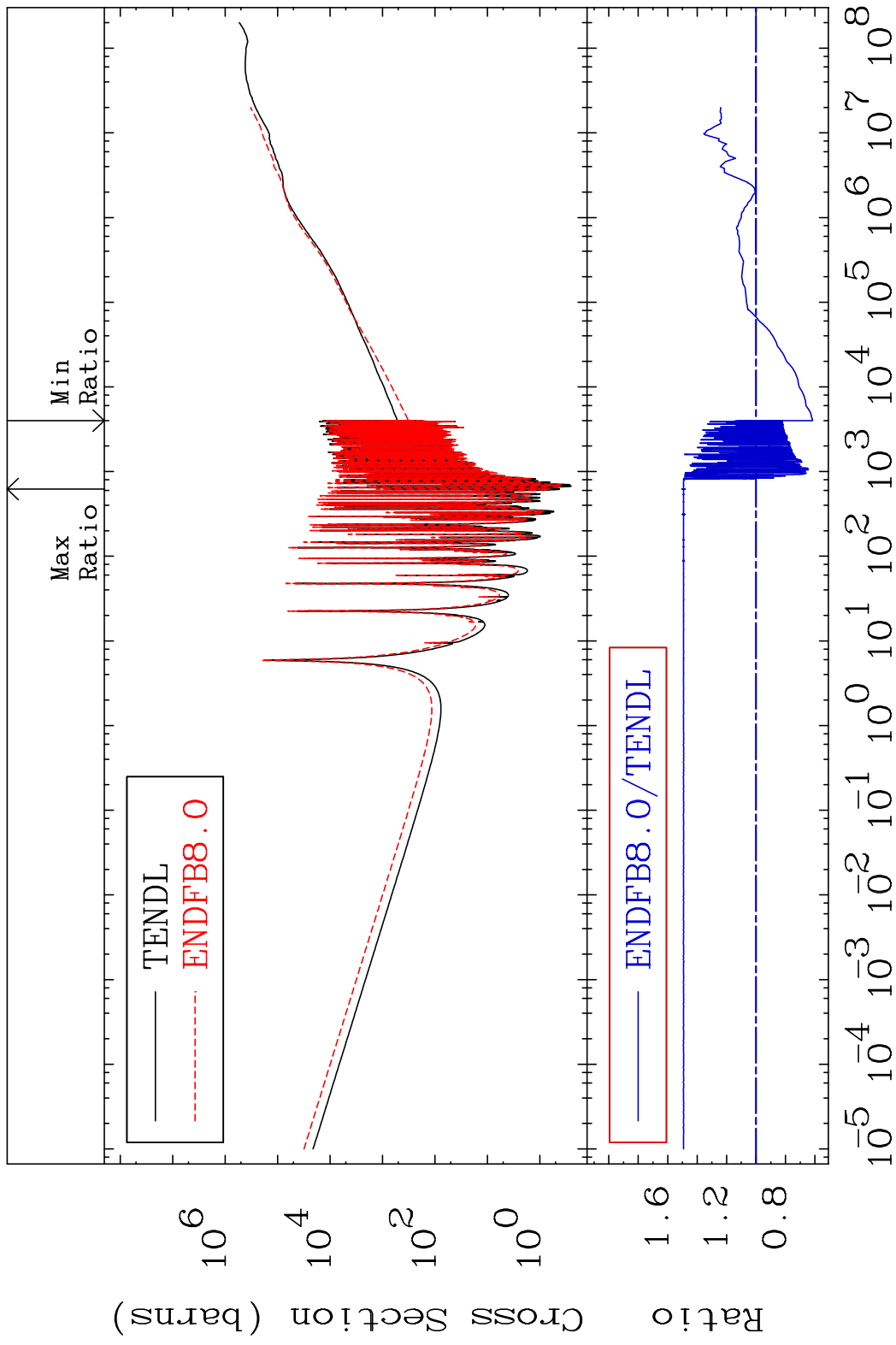


36 Incident Energy (eV) 55-Cs-133

MAT 5525 Total kinematic kerma (high limit) 55-Cs-133
 Cross Section -44.05 To 41.21 %



MAT 5525 Dpa total (eV-barns) 55-Cs-133
 Cross Section -38.38 To 50.04 %

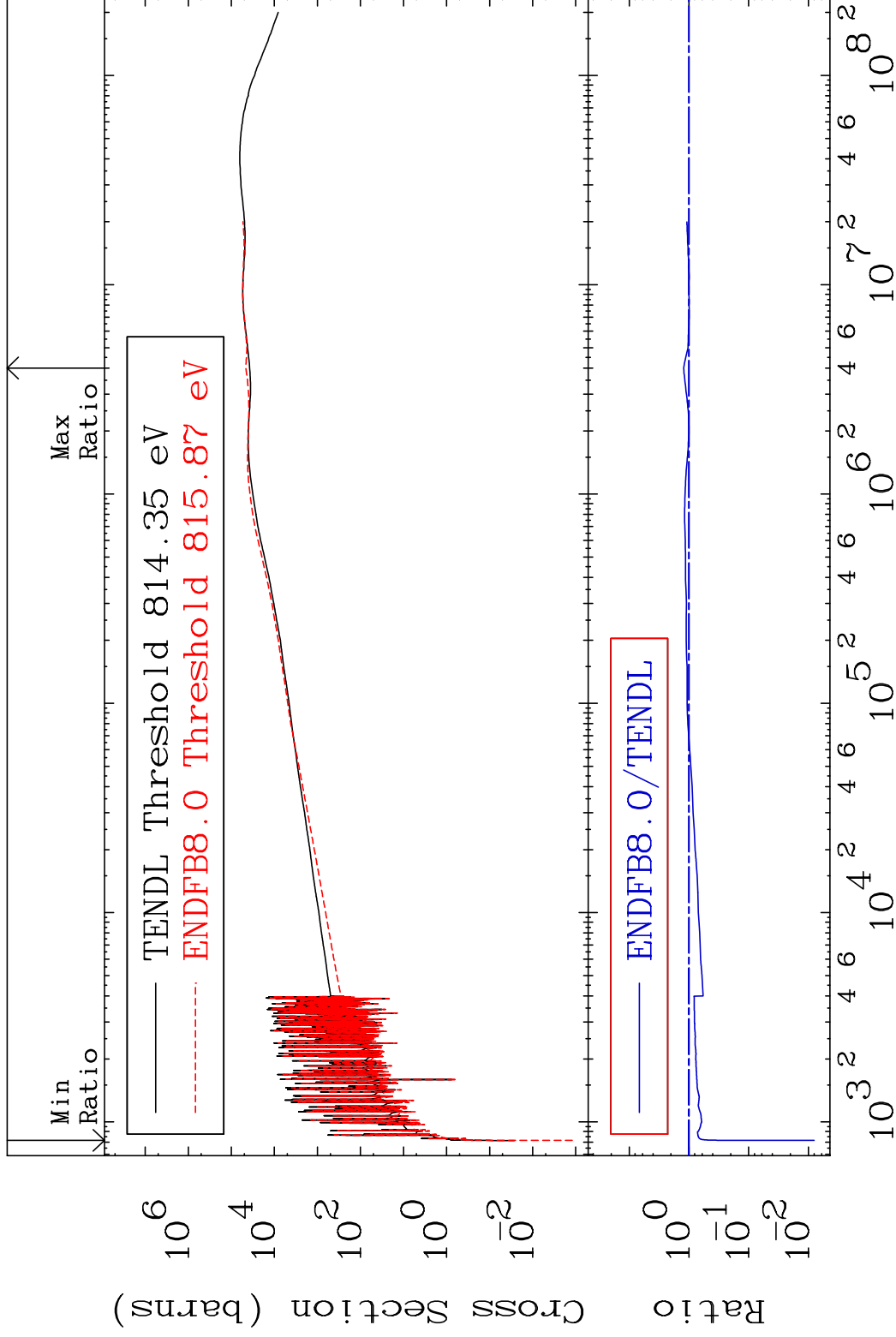


MAT 5525

Dpa elastic (mt2)

55-Cs-133

Cross Section -99.20 To 22.65 %



39

Incident Energy (eV)

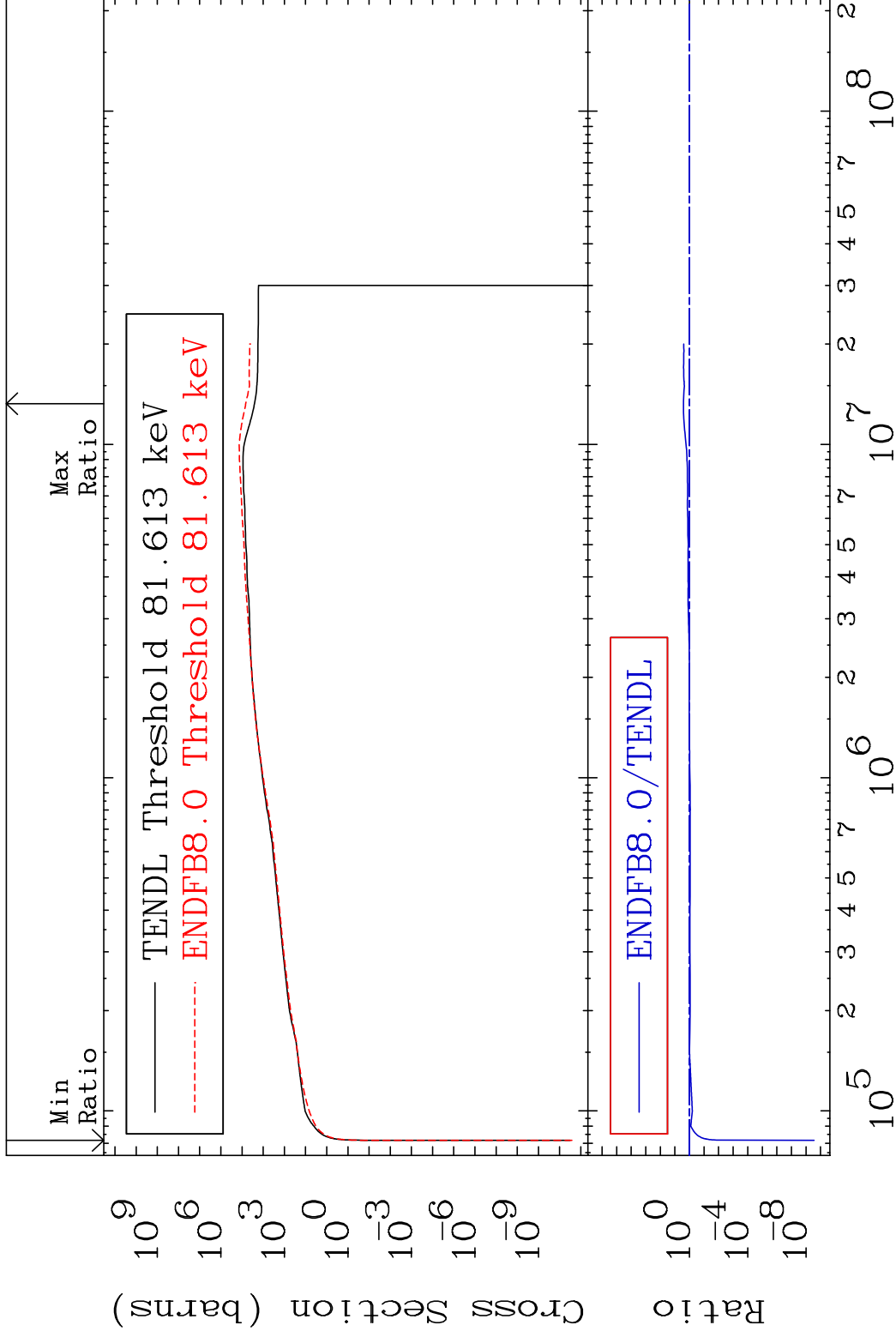
55-Cs-133

MAT 5525

Dpa inelastic (mt51-91)

55-Cs-133

Cross Section -100.0 To 158.8 %



40

Incident Energy (eV)

55-Cs-133

MAT 5525 Dpa disappearance (mt102 -120) 55-Cs-133
 Cross Section -64.68 To 100.8 %

