

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

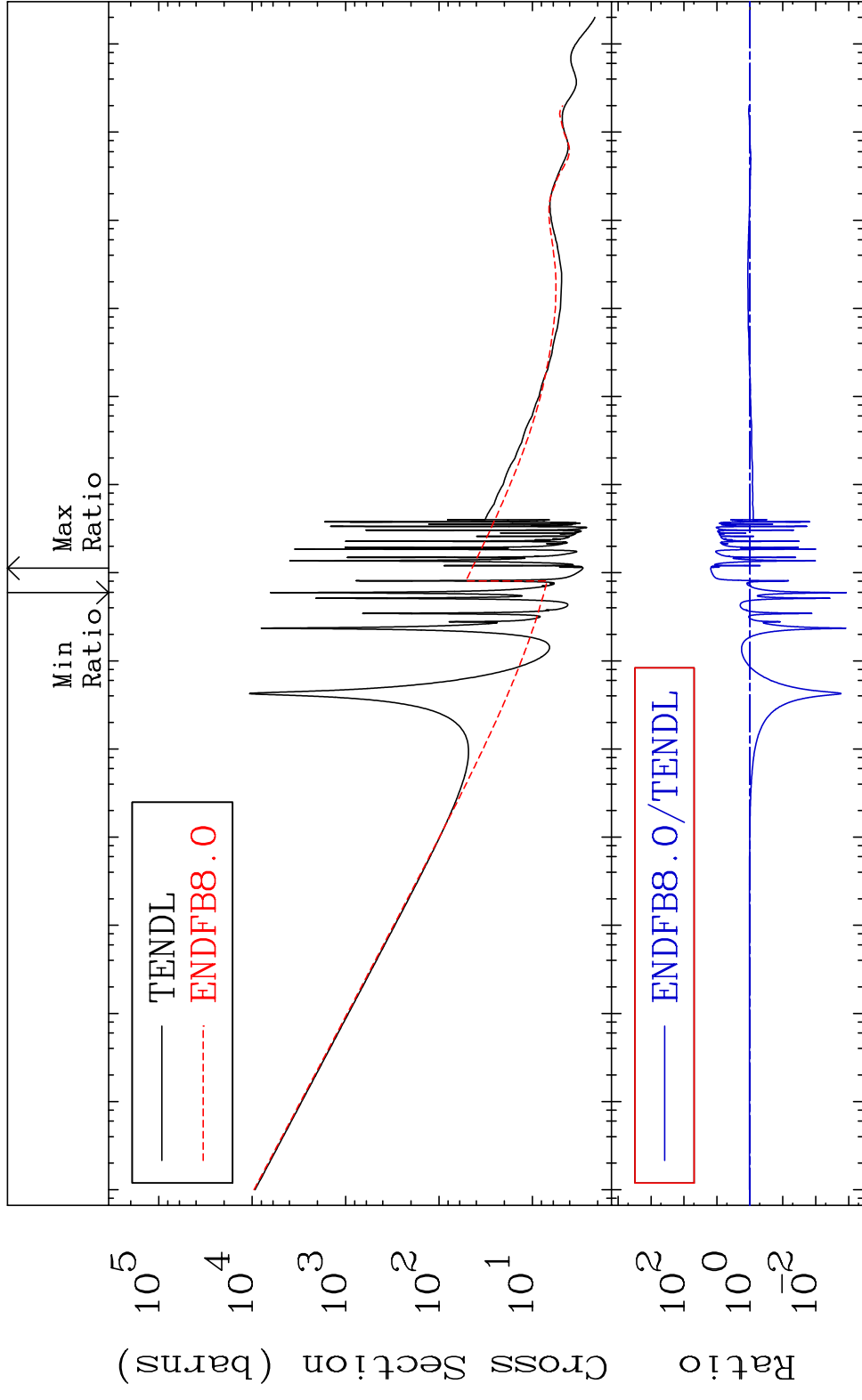
Press Mouse Button to Start

MAT 5452

Total

54-Xe-133

Cross Section -99.88 To 1441. %



1

Incident Energy (eV)

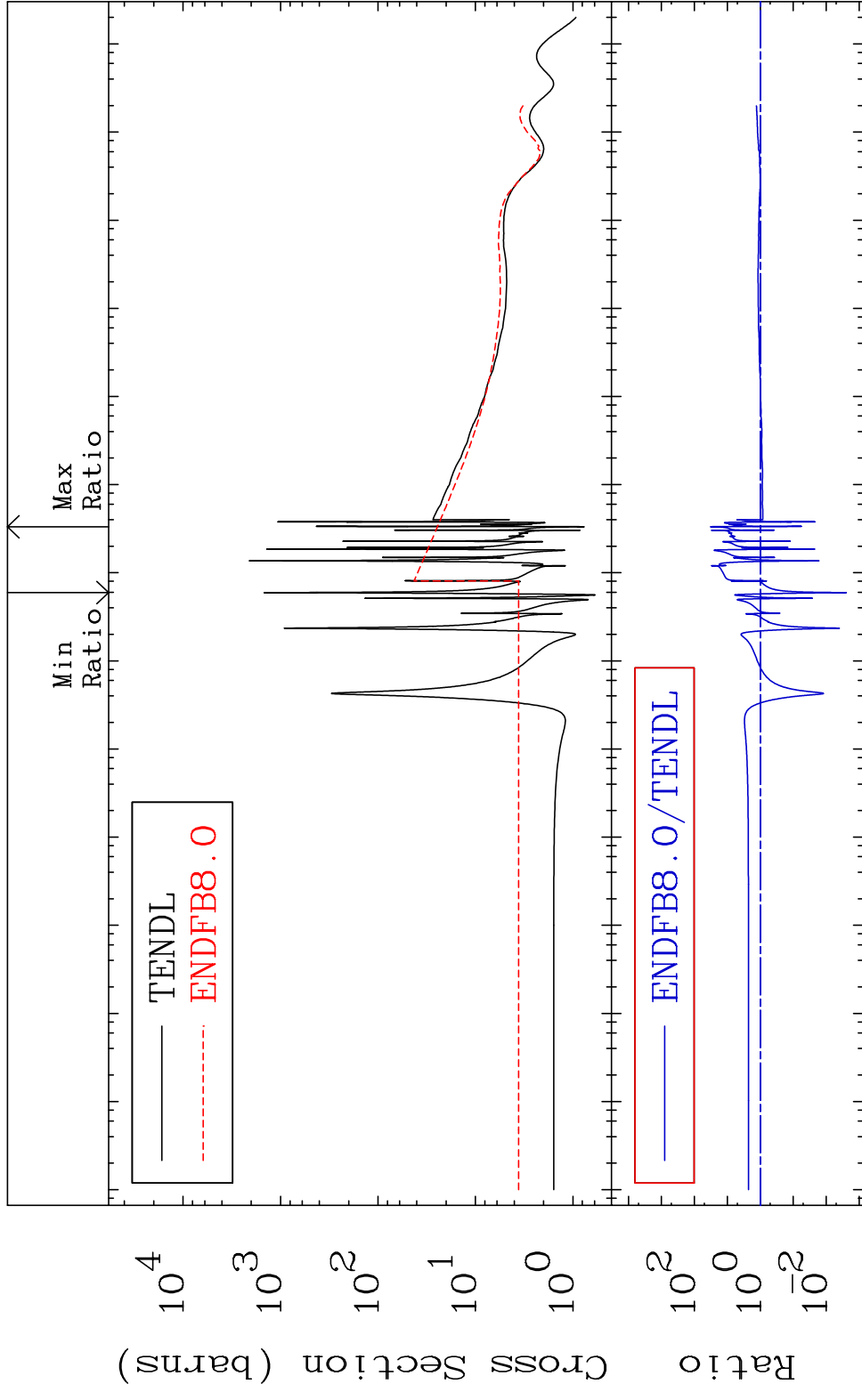
54-Xe-133

MAT 5452

54-Xe-133

Elastic

Cross Section -99.76 To 3097. %



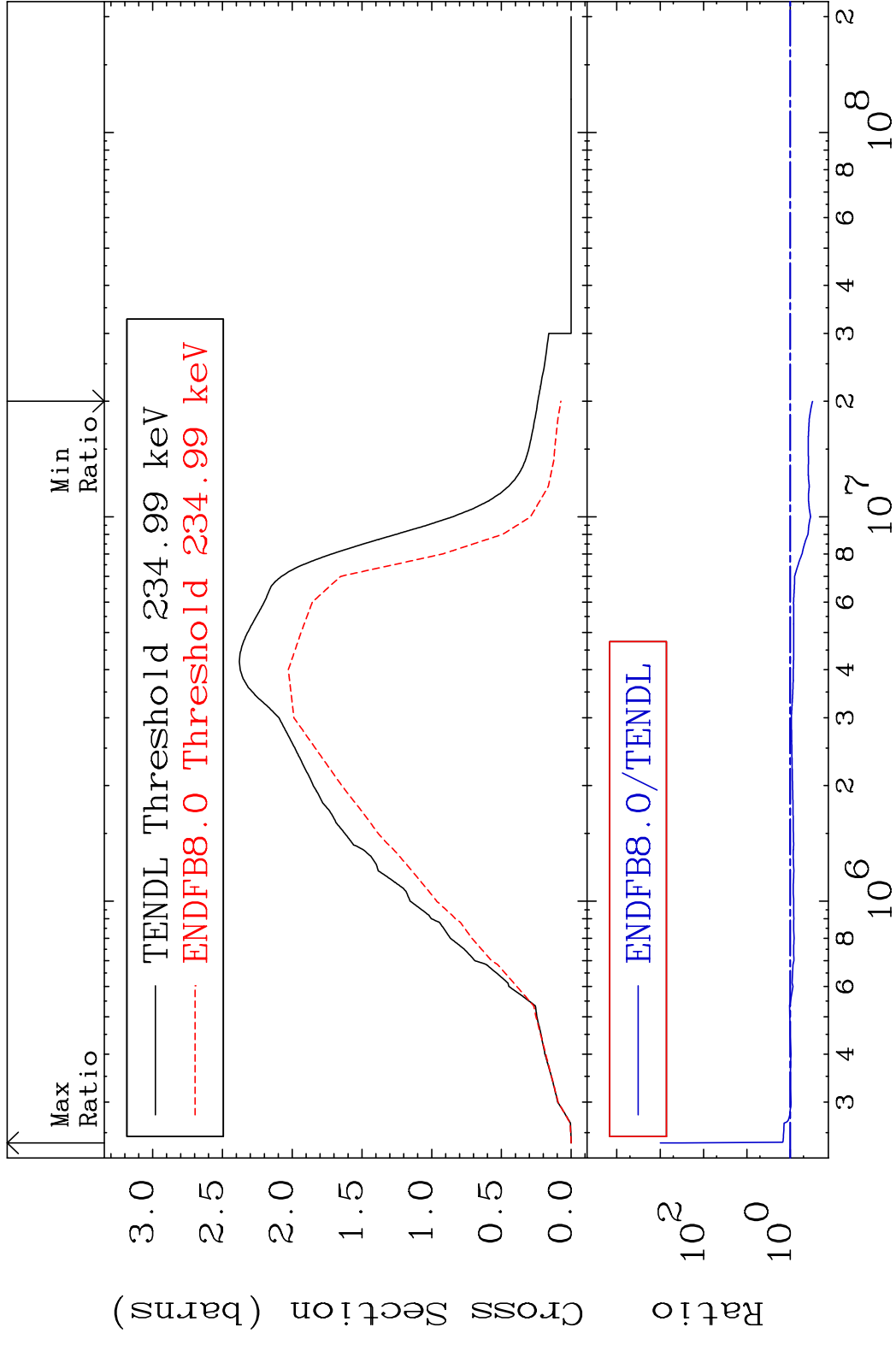
Cross Section (barns)
Ratio

Incident Energy (eV)

54-Xe-133

2

MAT 5452 Inelastic 54-Xe-133
 Cross Section -69.24 To 9999. %

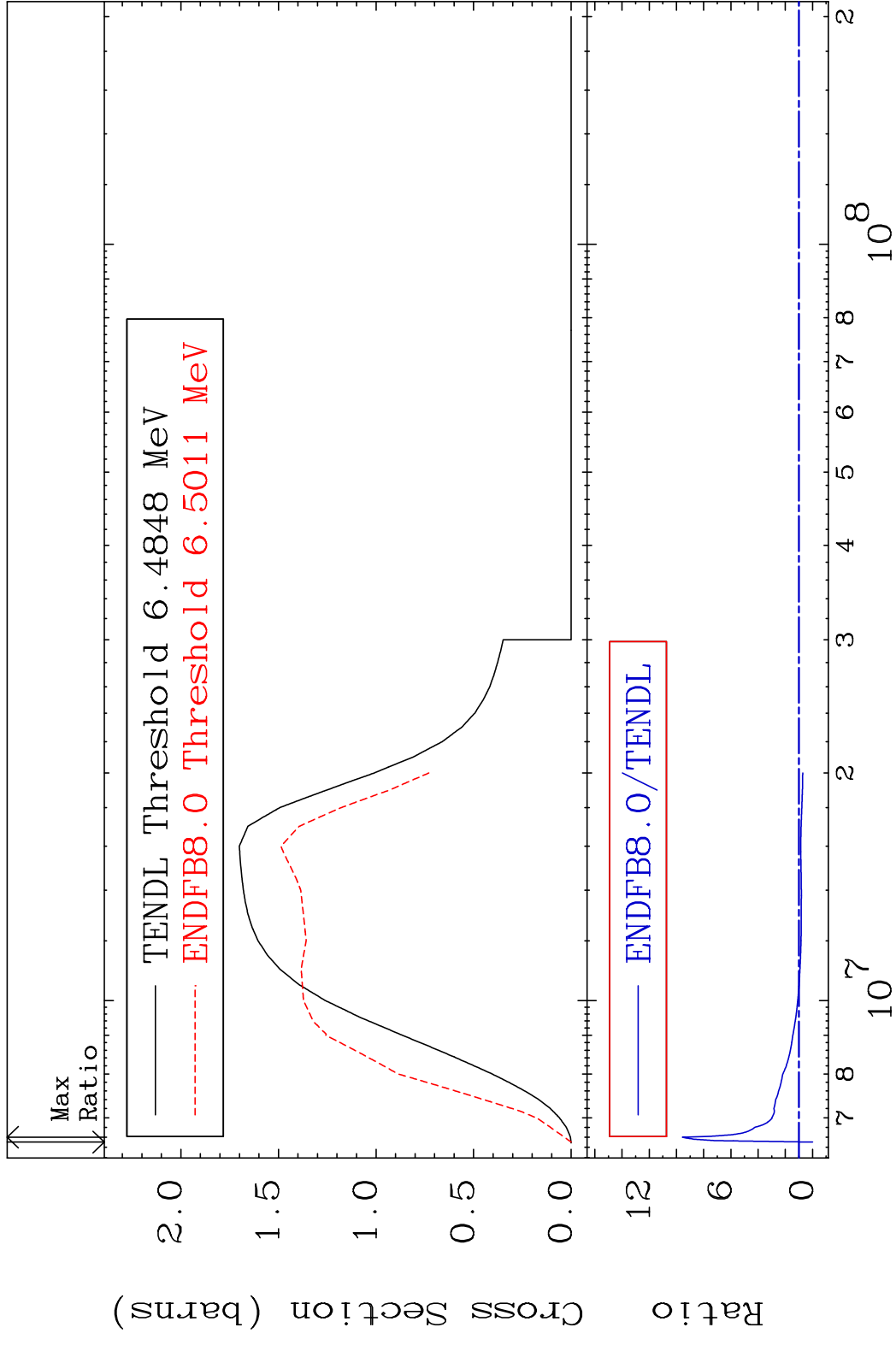


MAT 5452

(n,2n)

54-Xe-133

Cross Section -100.0 To 856.7 %



4

Incident Energy (eV)

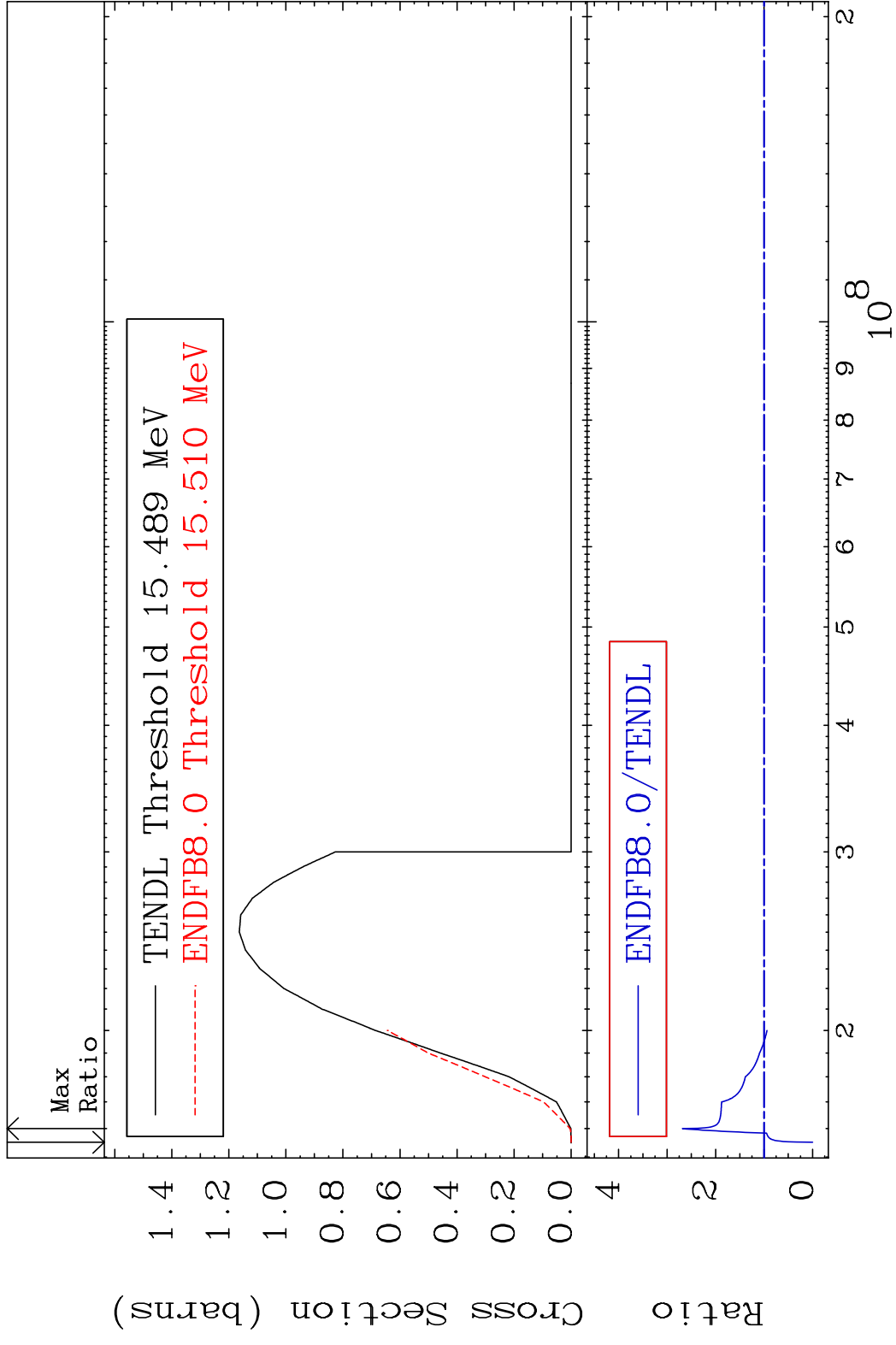
54-Xe-133

MAT 5452

(n,3n)

54-Xe-133

Cross Section -100.0 To 168.5 %

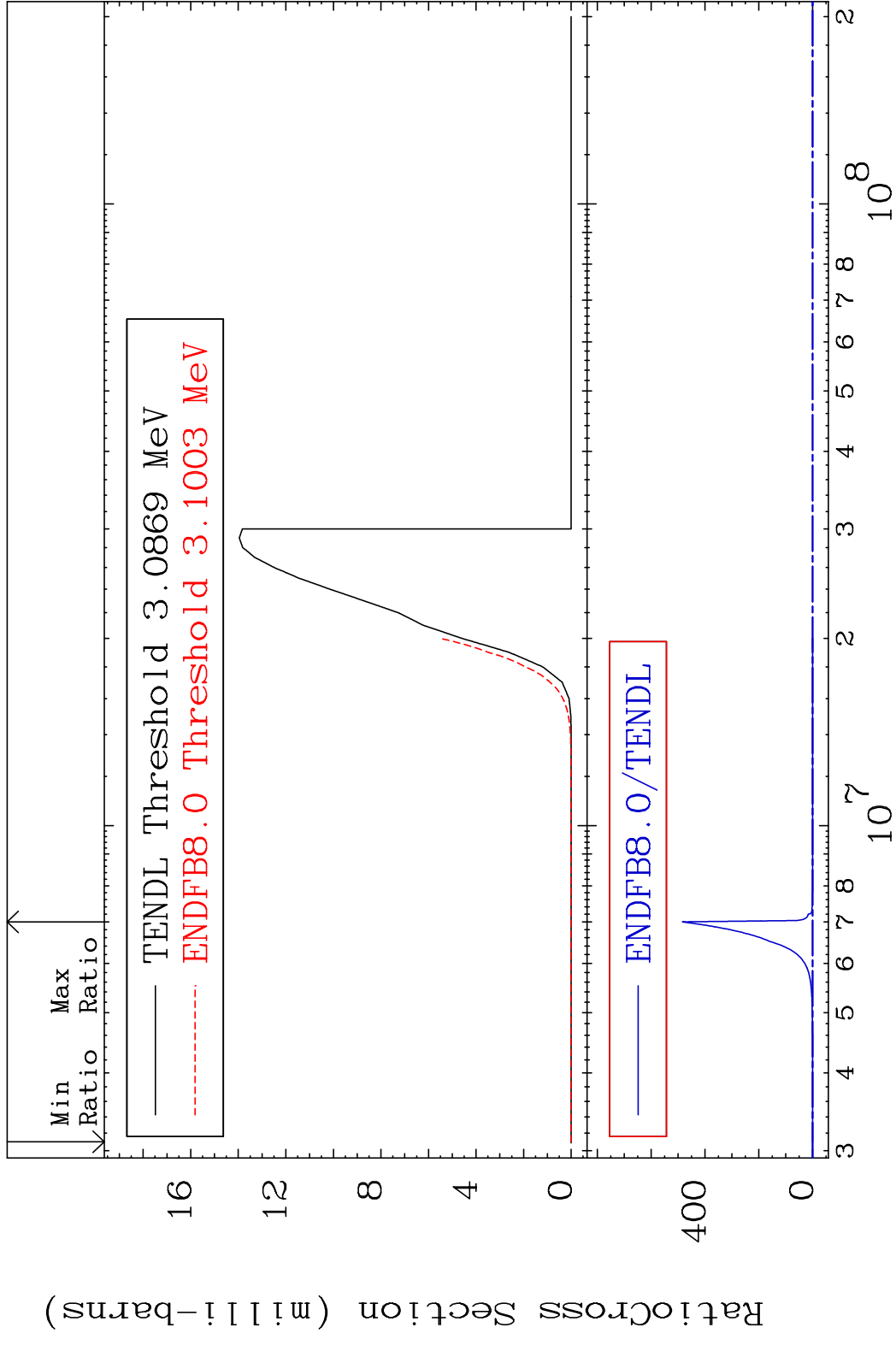


MAT 5452

(n, n') α

54-Xe-133

Cross Section -100.0 To 9999. %



6

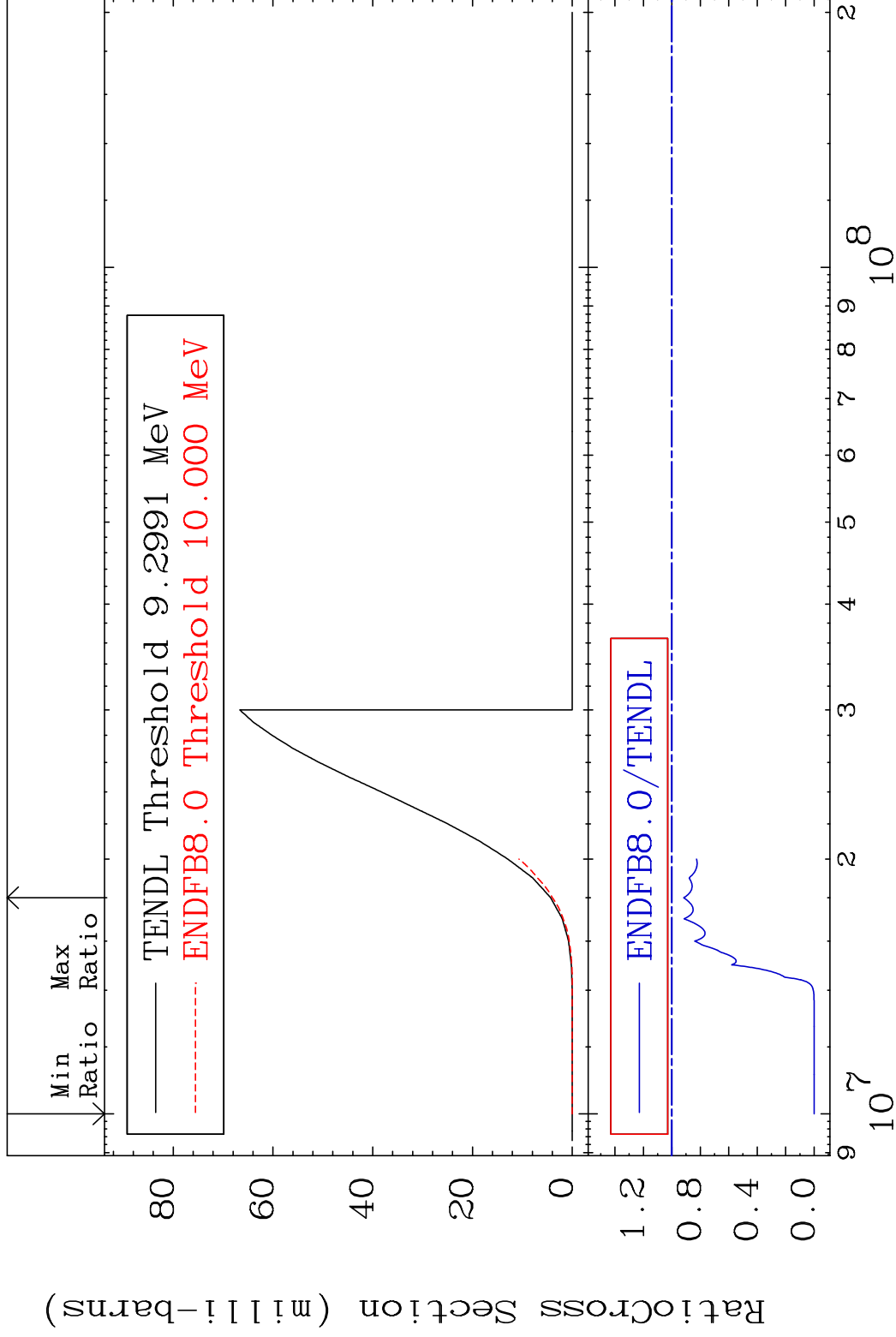
Incident Energy (eV)

54-Xe-133

MAT 5452

(n, n') p 54-Xe-133

Cross Section -100.0 To -8.313%



7

Incident Energy (eV)

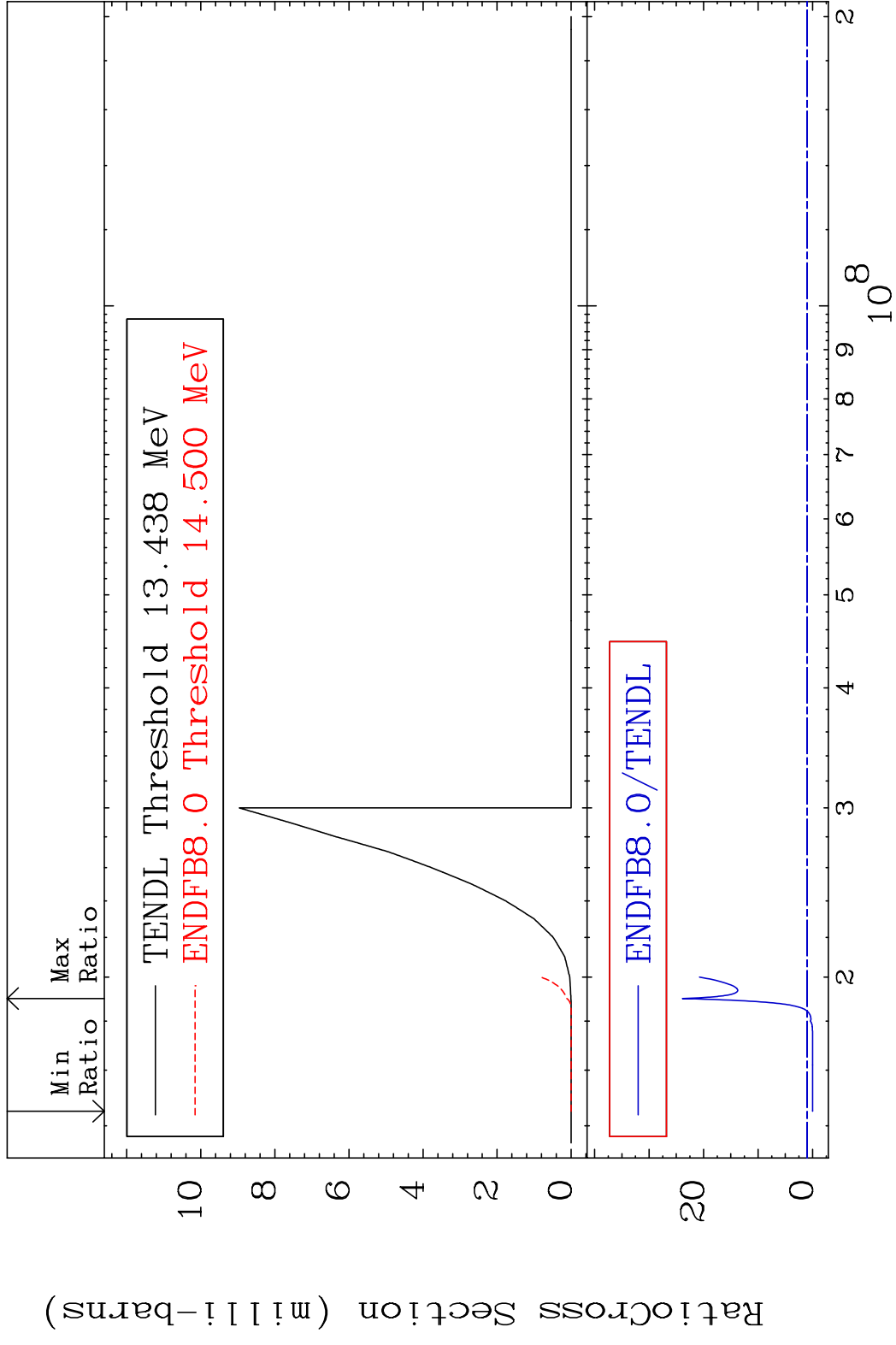
54-Xe-133

MAT 5452

(n, n') d

54-Xe-133

Cross Section -100.0 To 2290. %

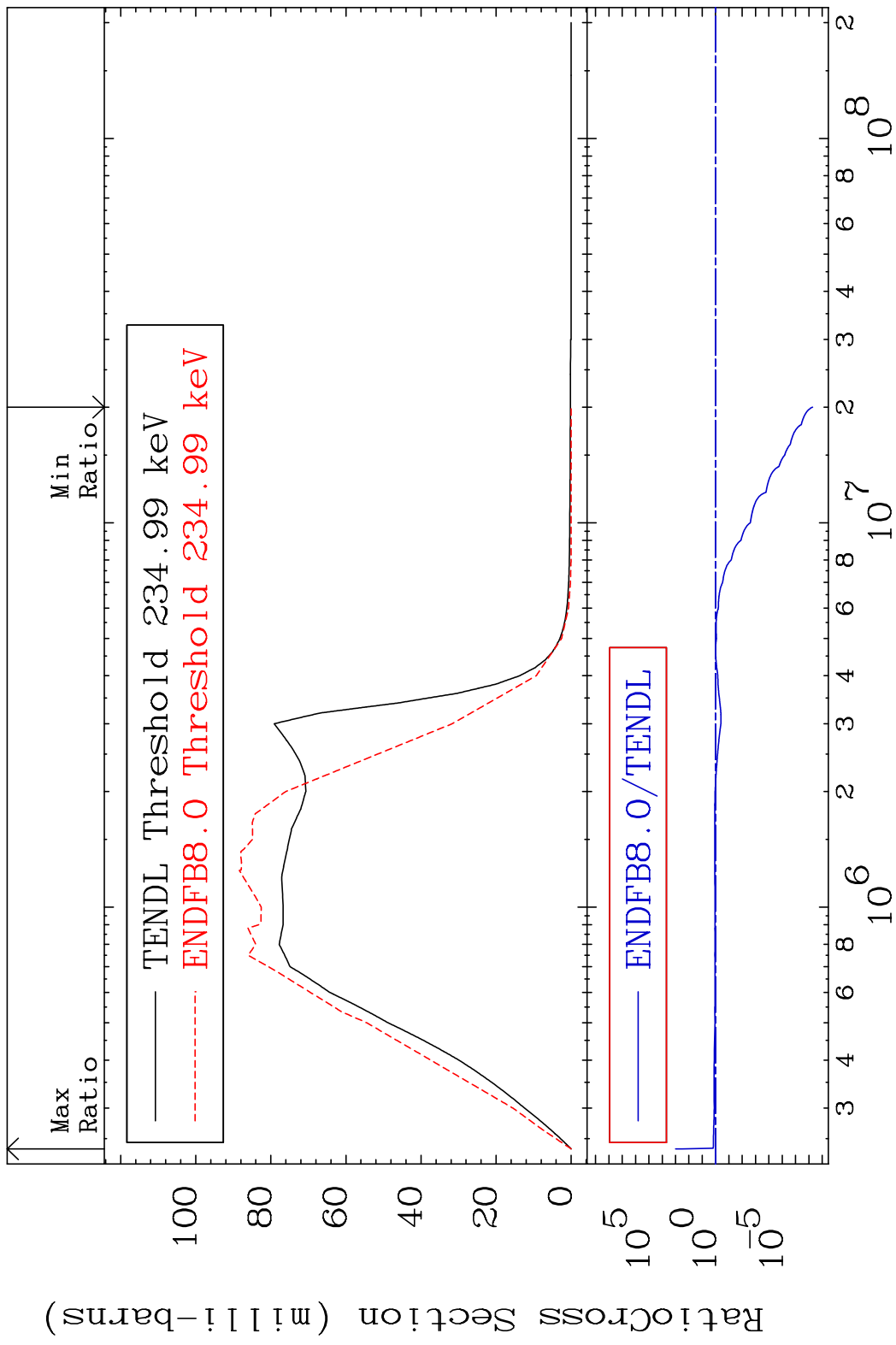


8

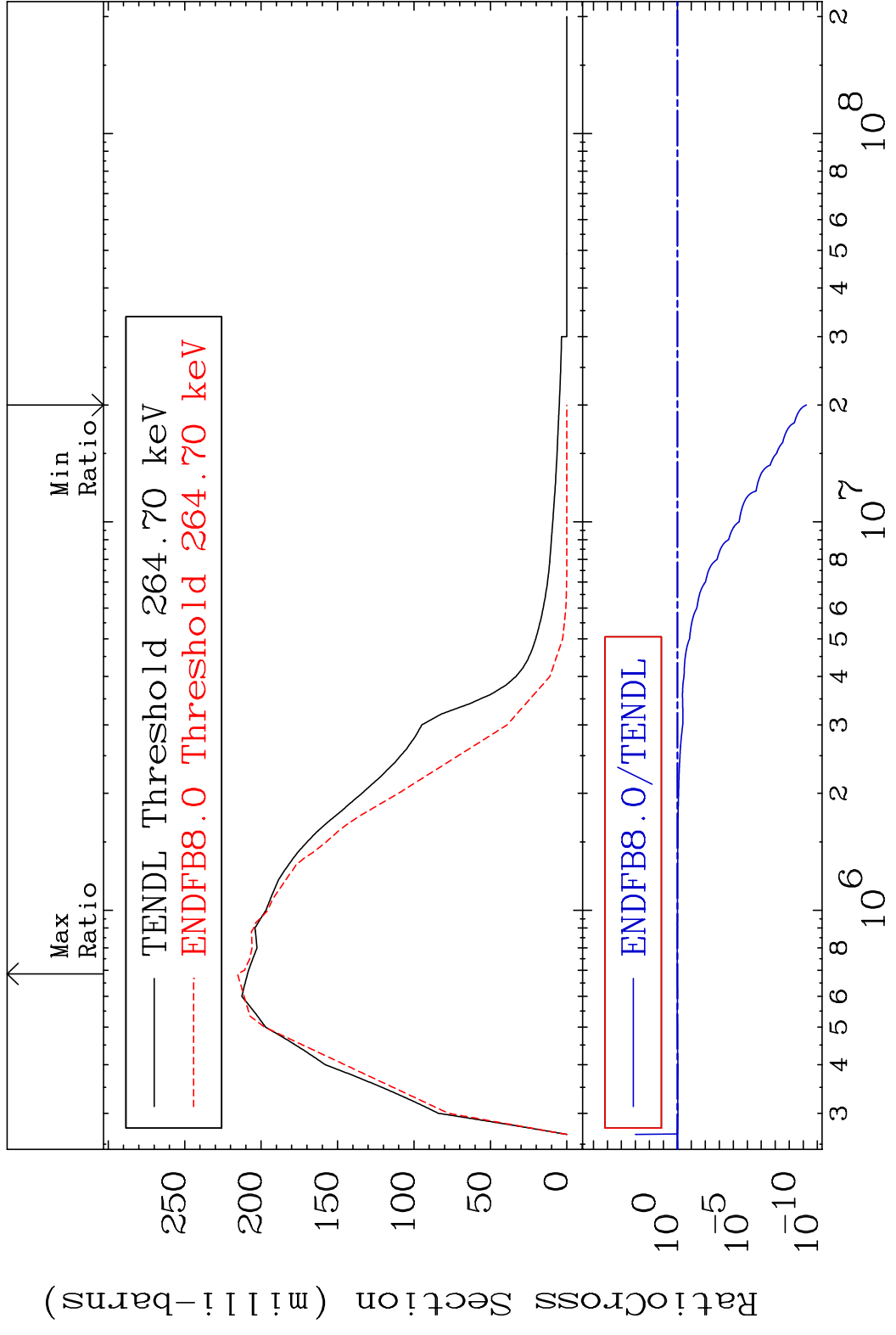
Incident Energy (eV)

54-Xe-133

MAT 5452 MT= 51 (n,n') Level 54-Xe-133
 Cross Section -100.0 To 9999. %

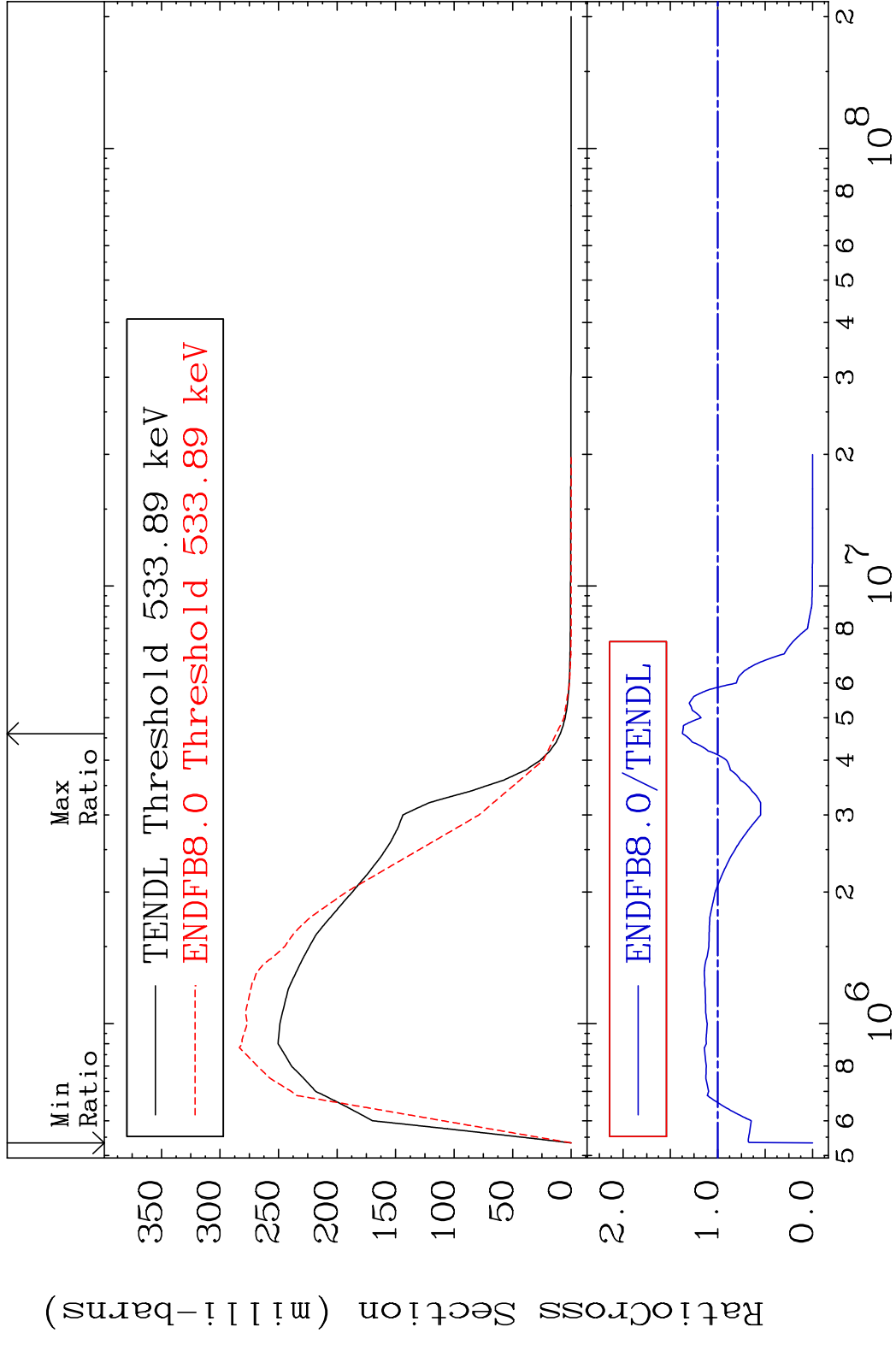


MAT 5452 MT= 52 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 3.141 %

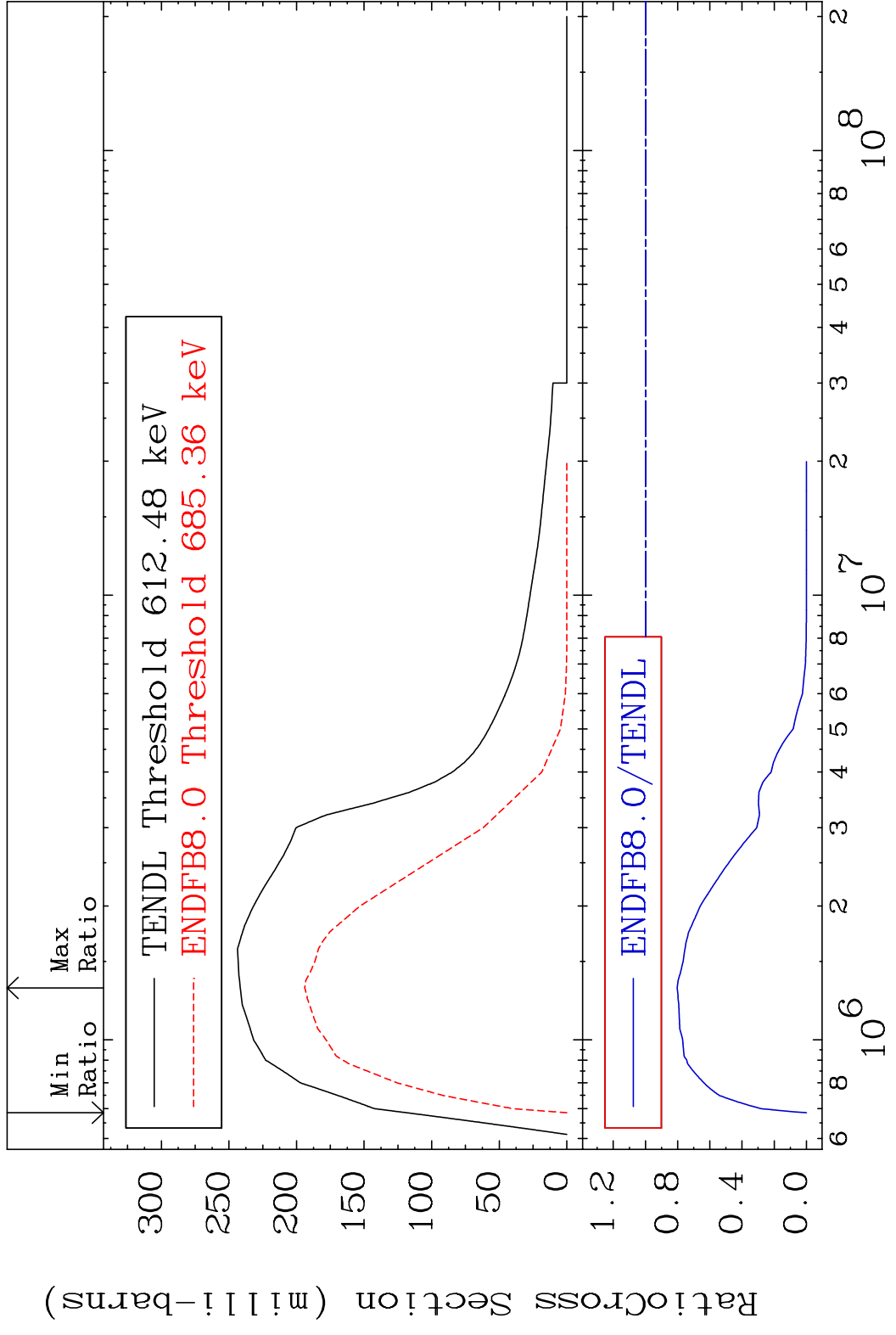


10 Incident Energy (eV) 54-Xe-133

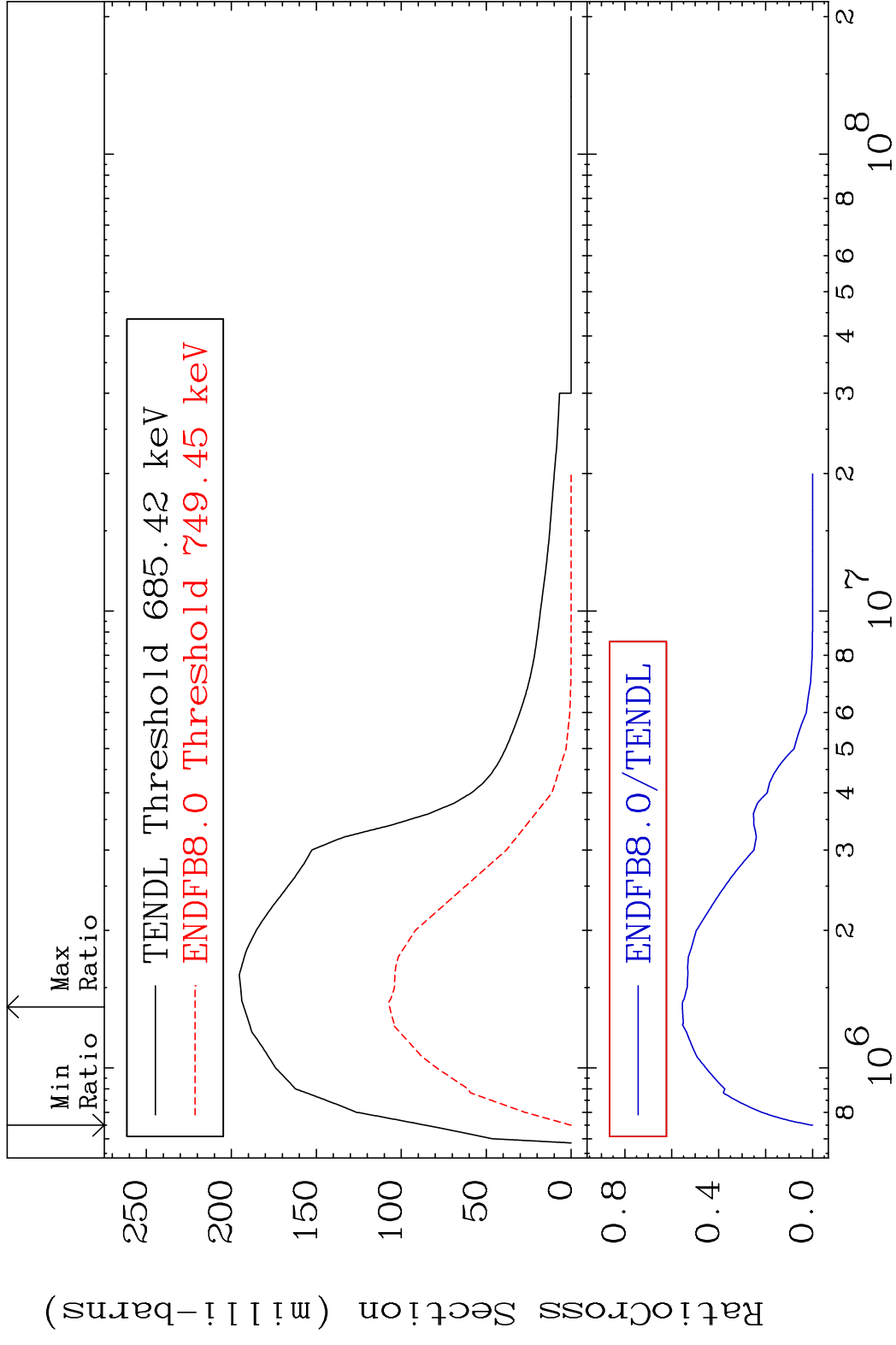
MAT 5452 MT= 53 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 37.39 %



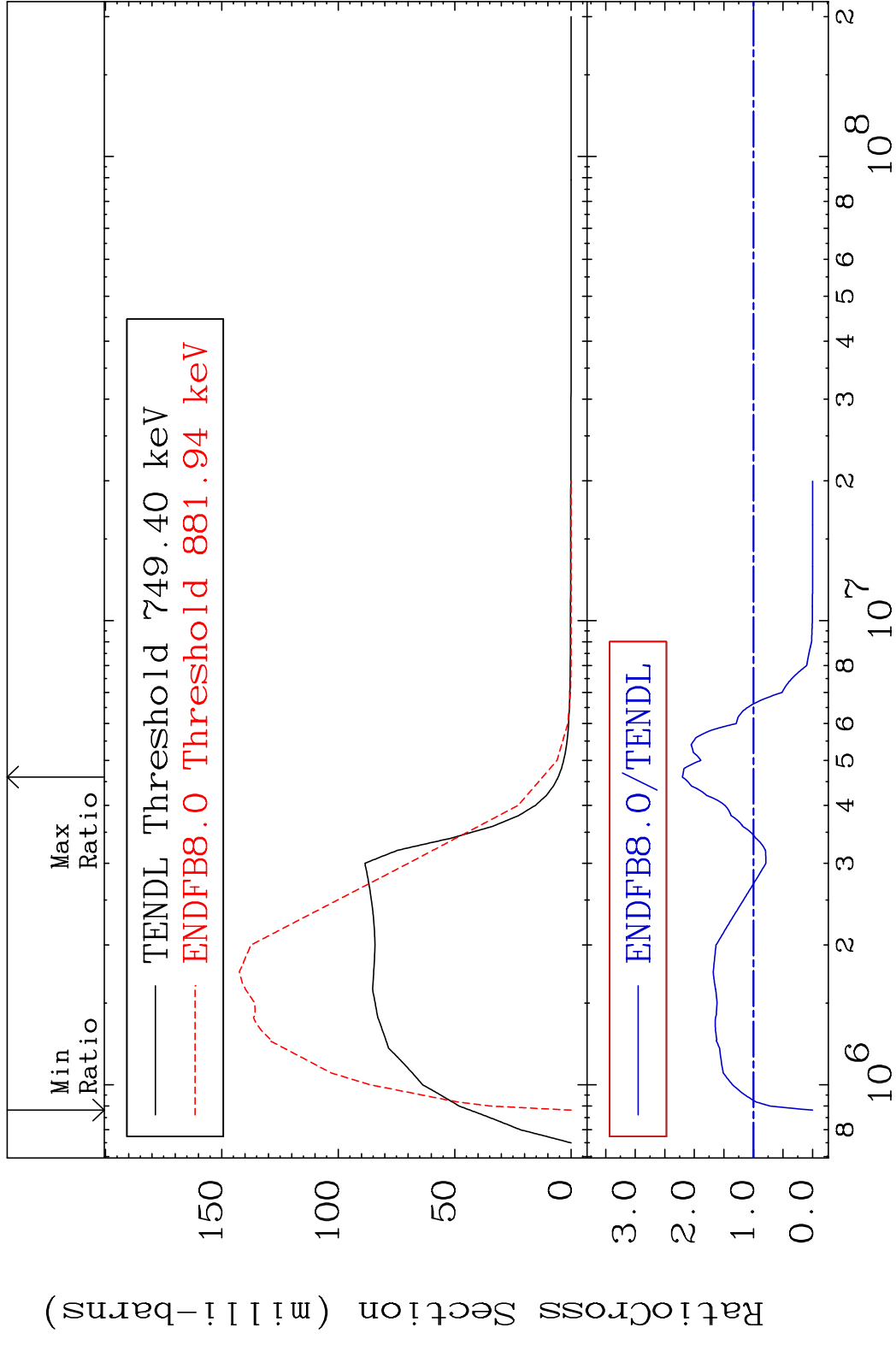
MAT 5452 MT= 54 (n, n') Level 54-Xe-133
 Cross Section -100.0 To -19.71%



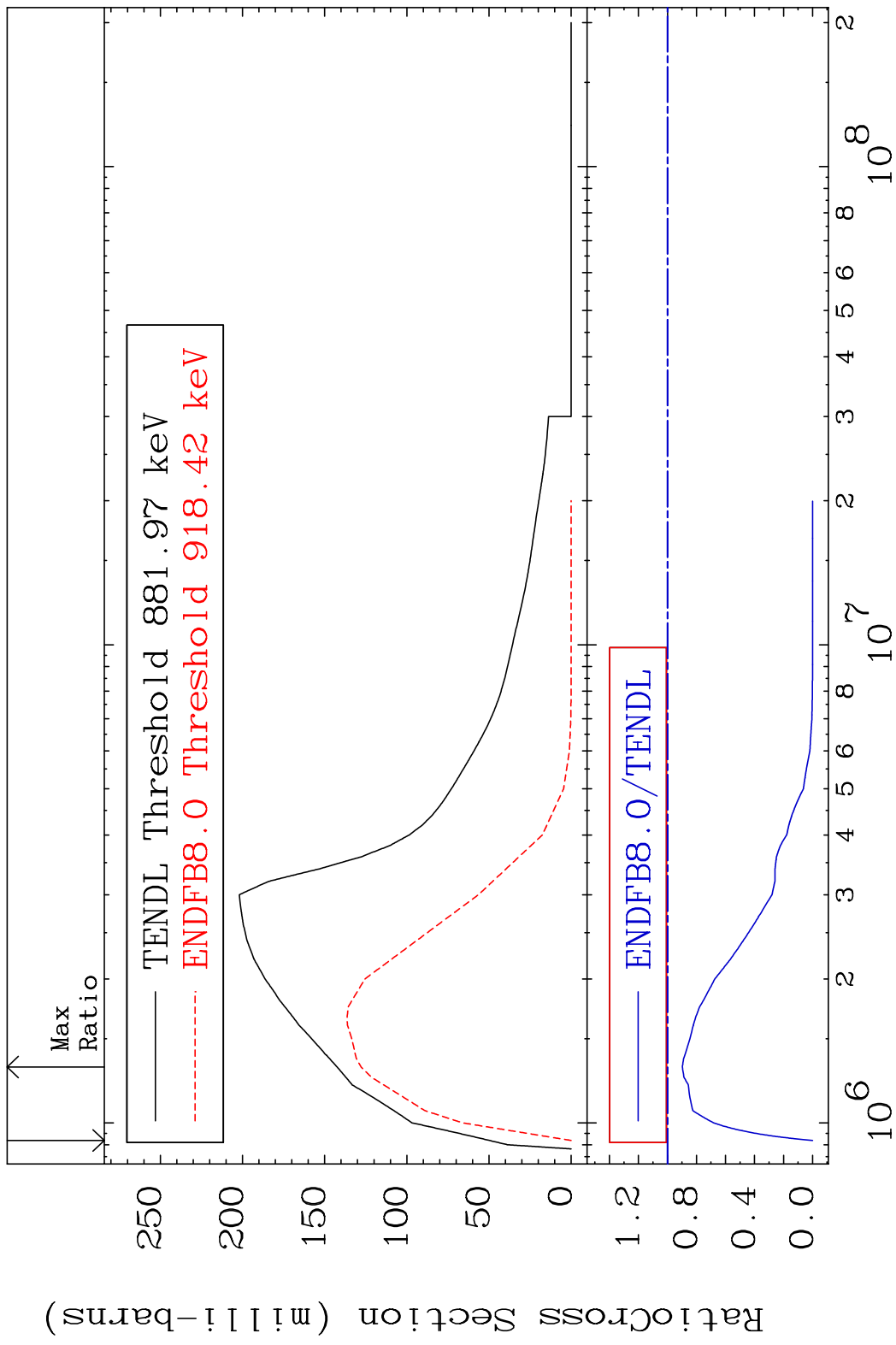
MAT 5452 MT= 55 (n,n') Level 54-Xe-133
 Cross Section -100.0 To -44.52%



MAT 5452 MT= 56 (n,n') Level 54-Xe-133
 Cross Section -100.0 To 120.3 %

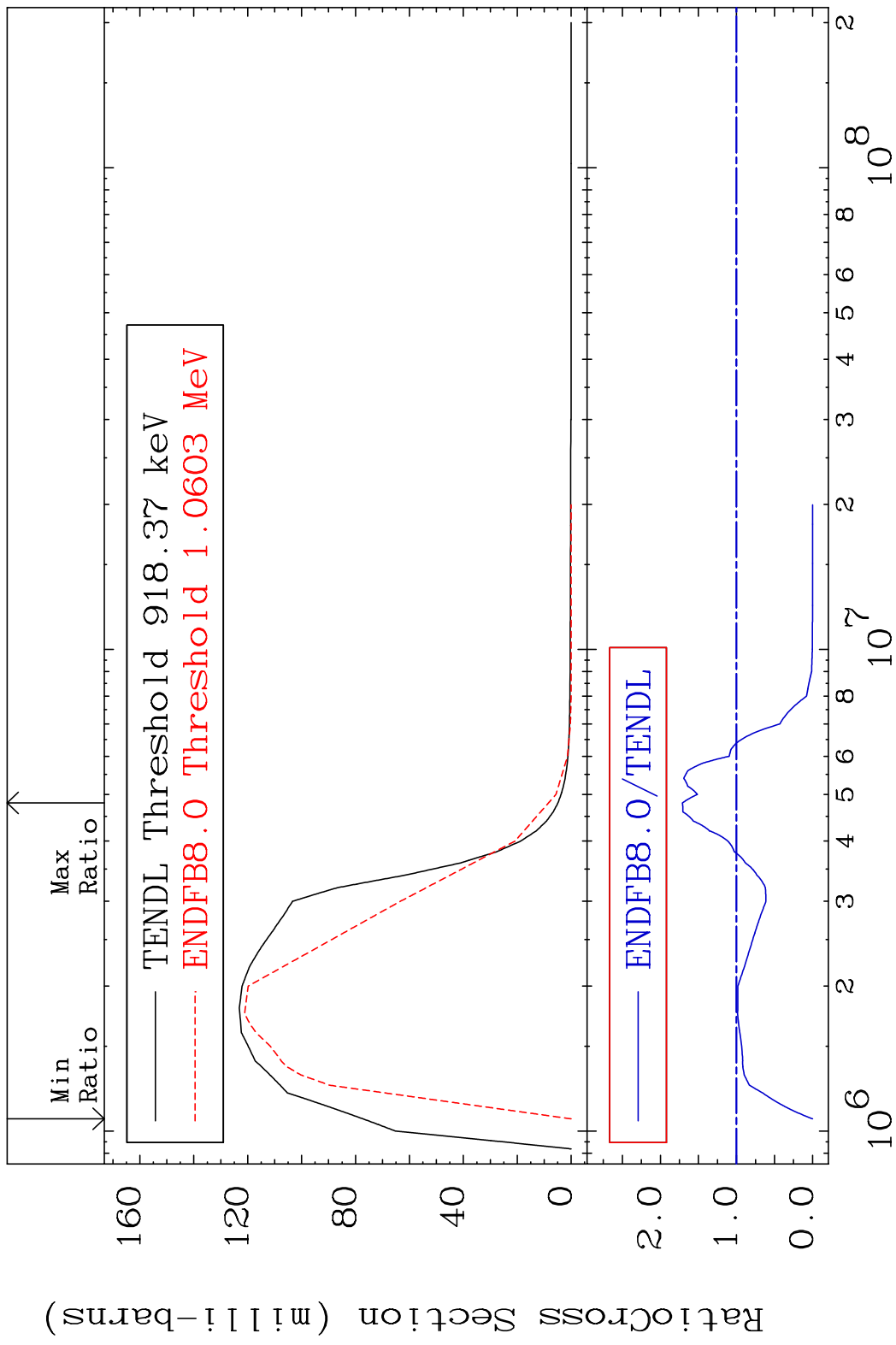


MAT 5452 MT= 57 (n,n') Level 54-Xe-133
 Cross Section -100.0 To -10.27%



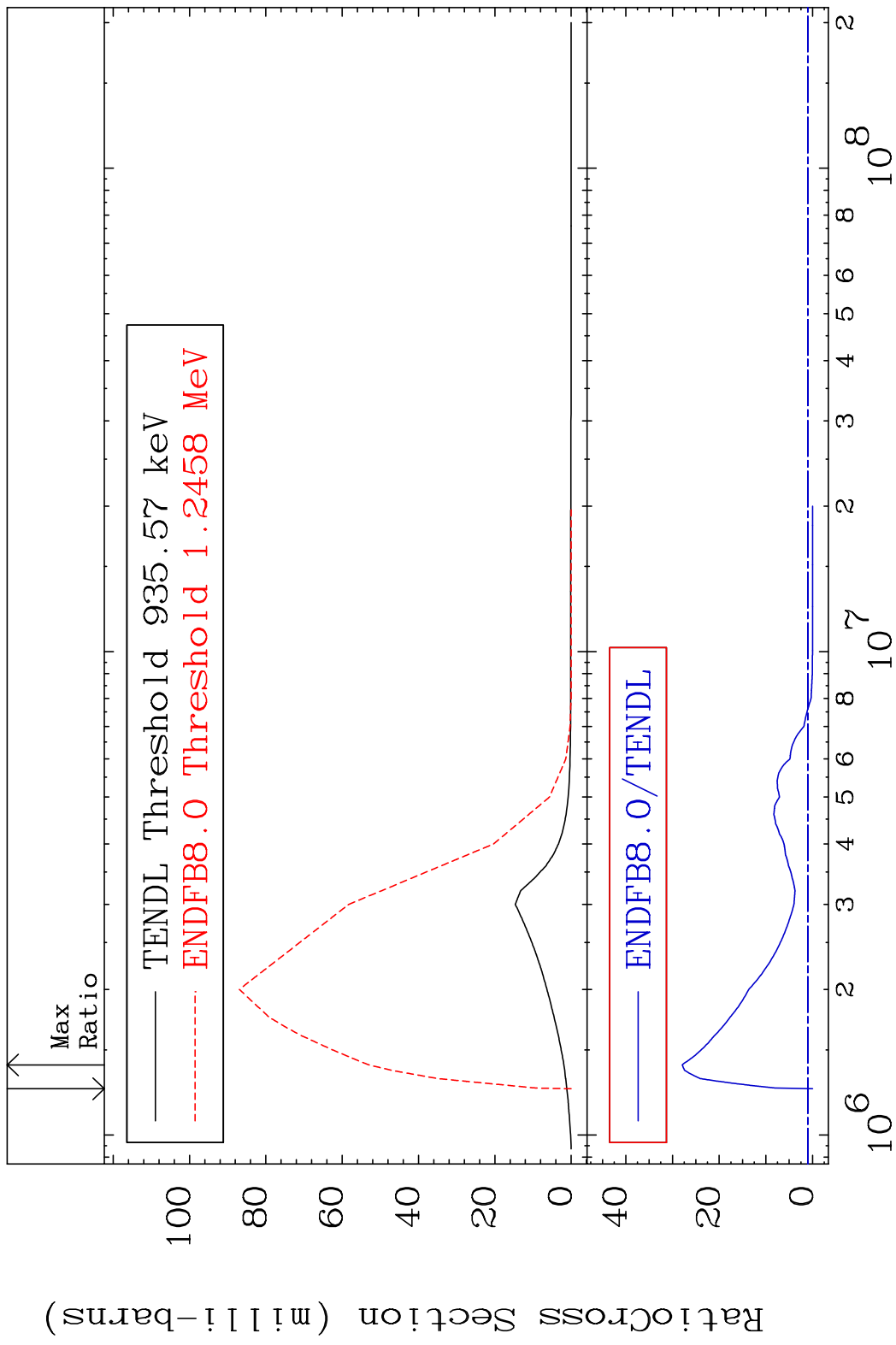
15 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 58 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 71.15 %



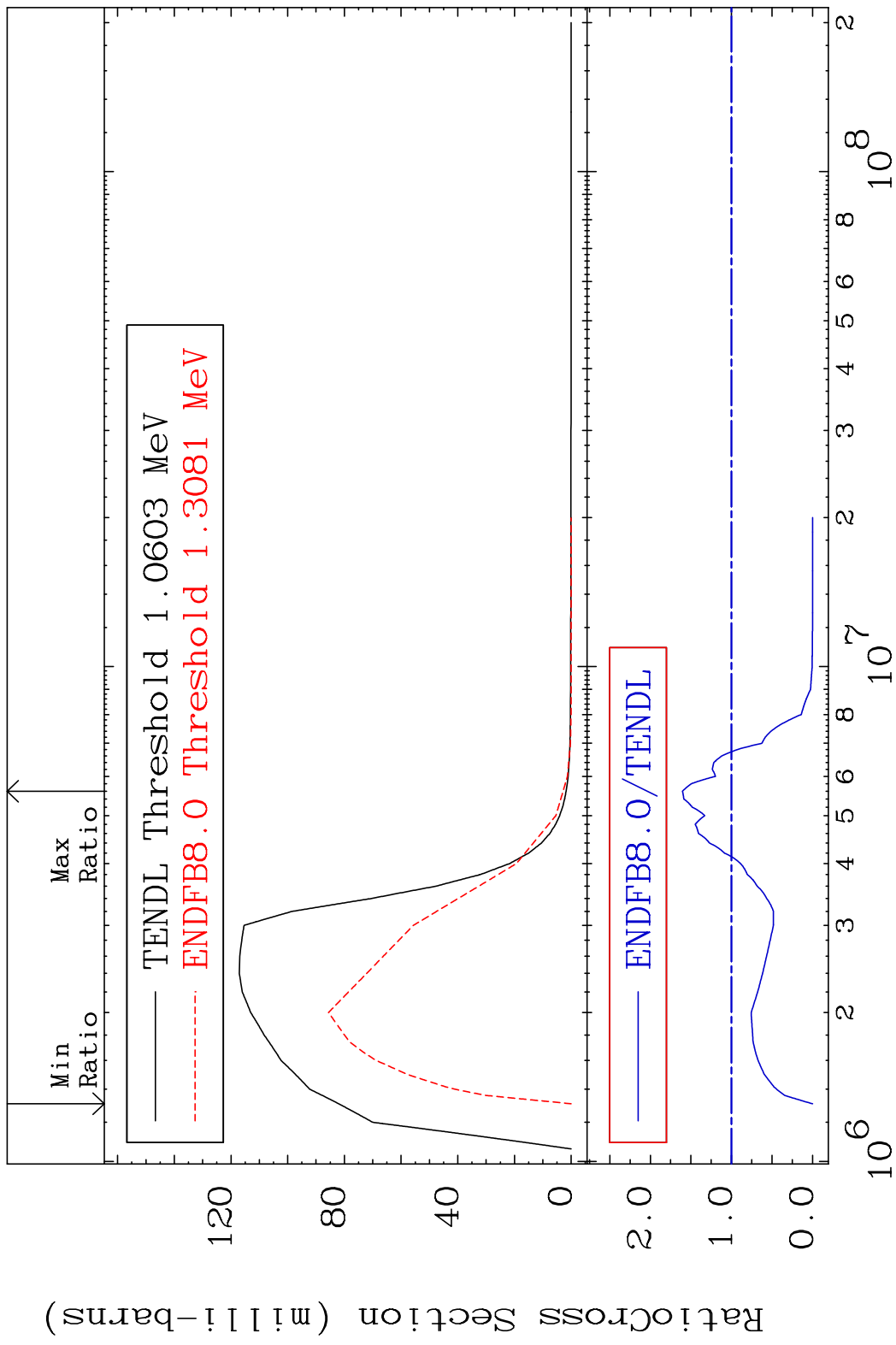
16 16 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 59 (n,n') Level 54-Xe-133
 Cross Section -100.0 To 2689. %



17 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 60 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 60.56 %



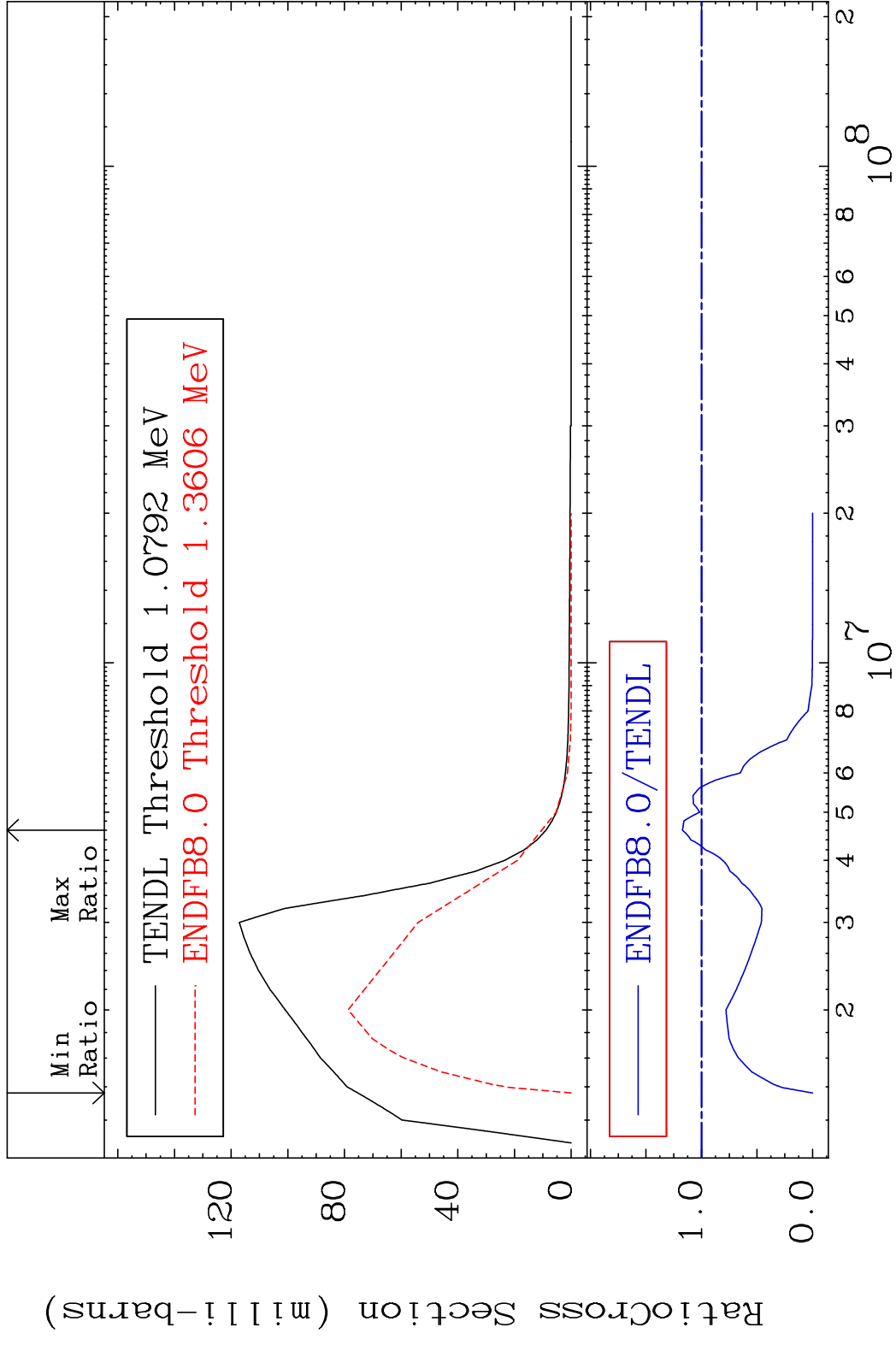
18 Incident Energy (eV) 54-Xe-133

MAT 5452

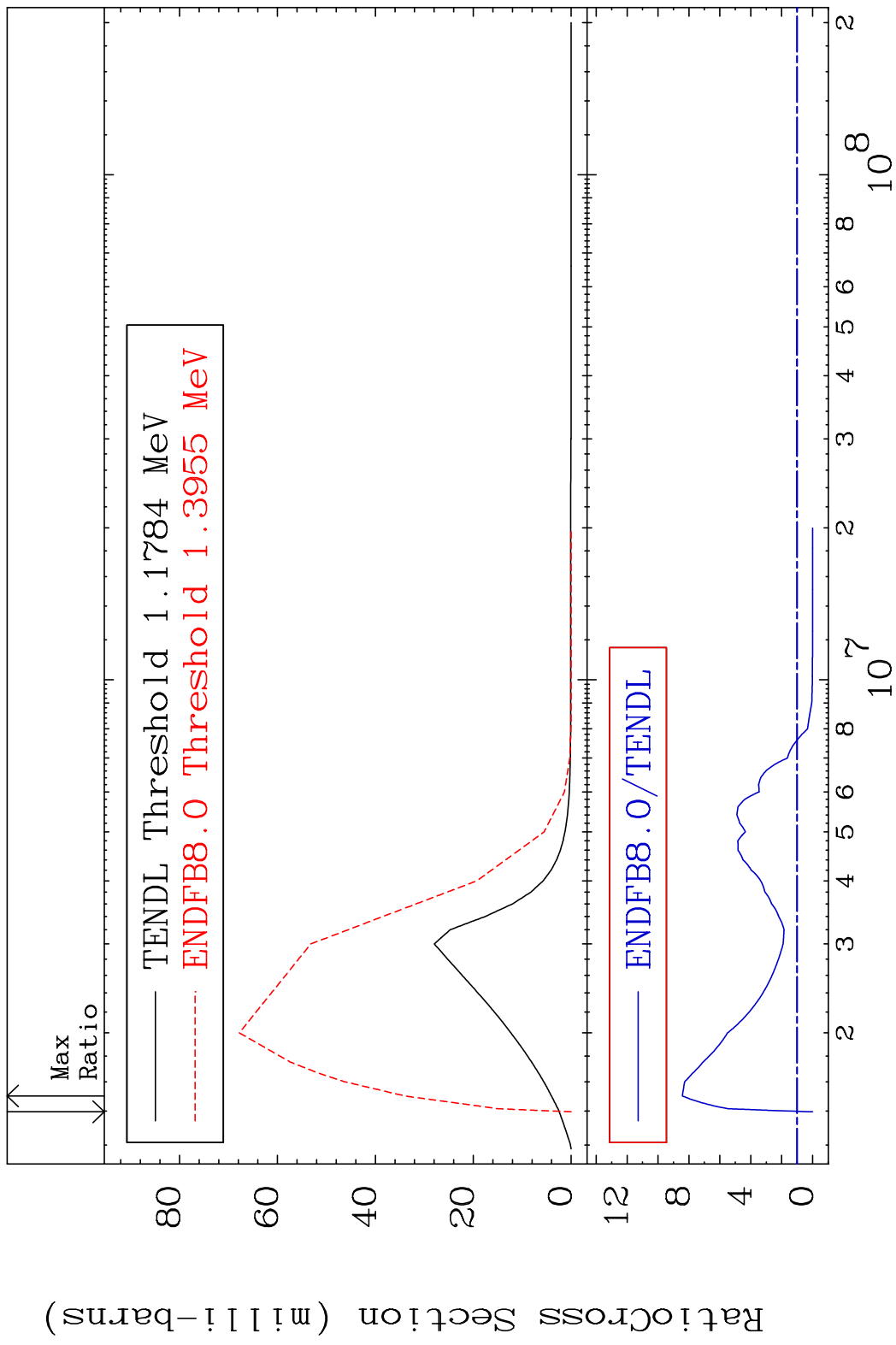
MT= 61 (n, n') Level

54-Xe-133

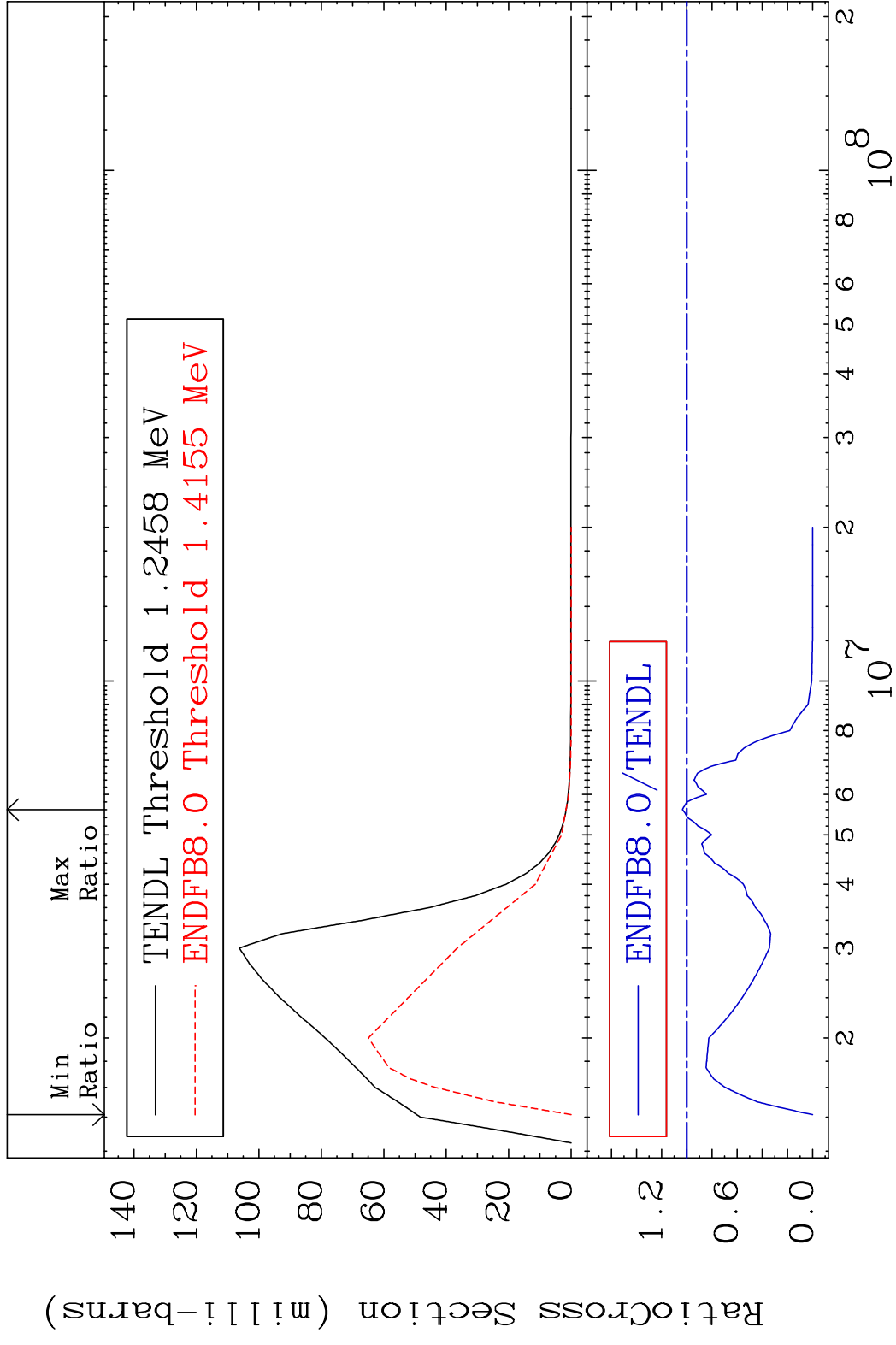
Cross Section -100.0 To 17.25 %



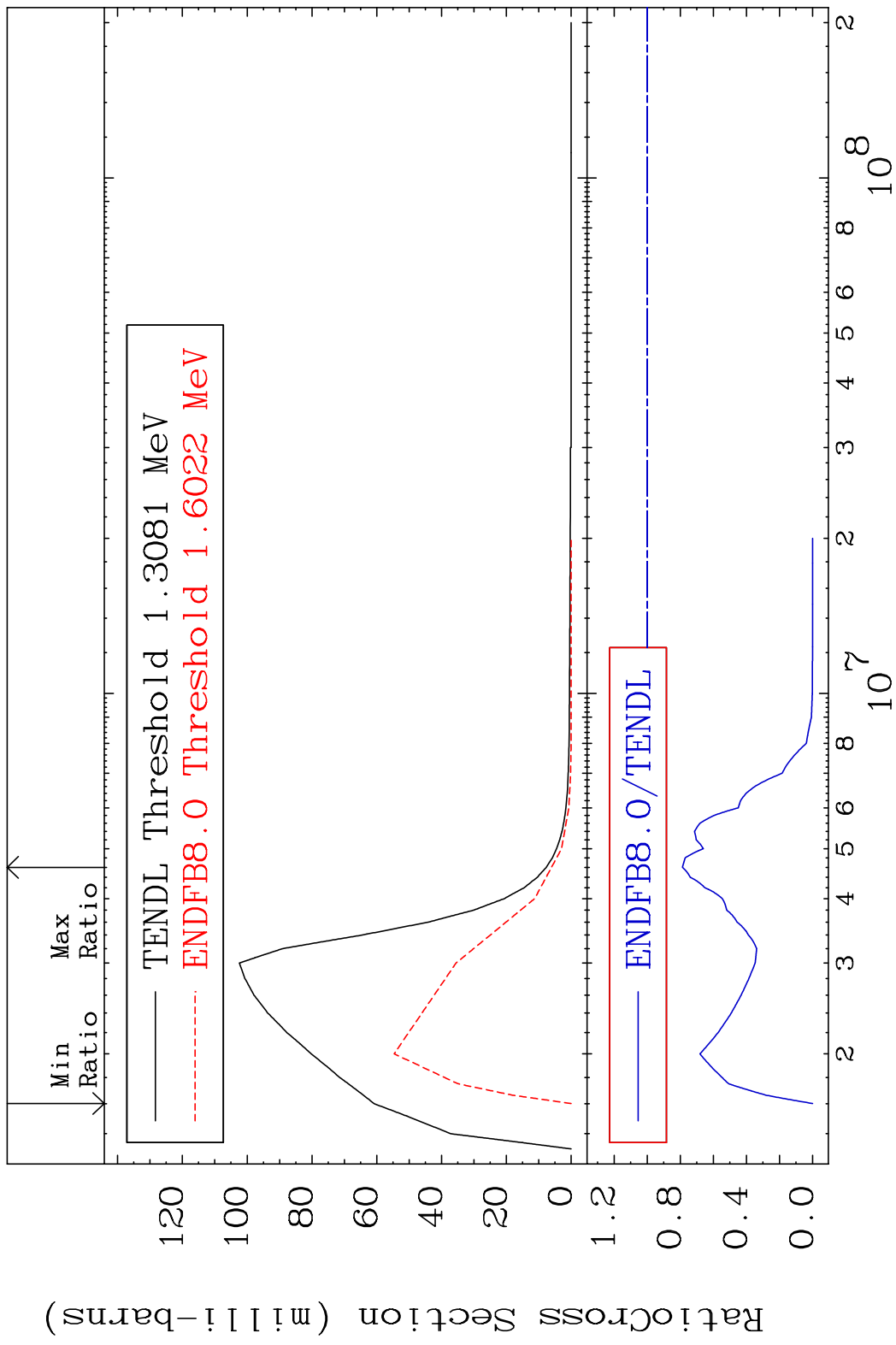
MAT 5452 MT= 62 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 742.6 %



MAT 5452 MT= 63 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 3.557 %



MAT 5452 MT= 64 (n, n') Level 54-Xe-133
 Cross Section -100.0 To -21.24%

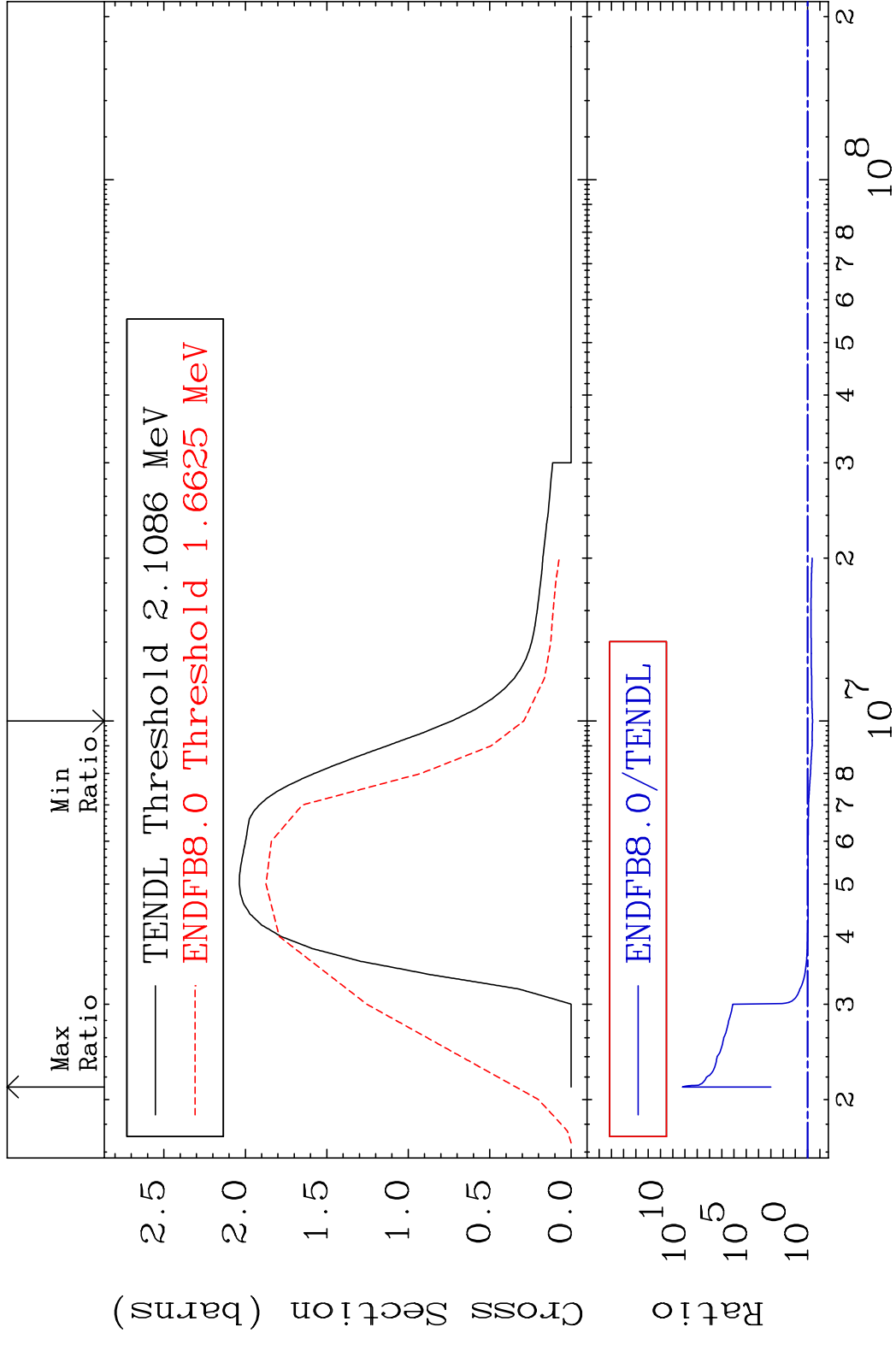


MAT 5452

(n, n') Continuum

54-Xe-133

Cross Section -60.24 To 9999. %

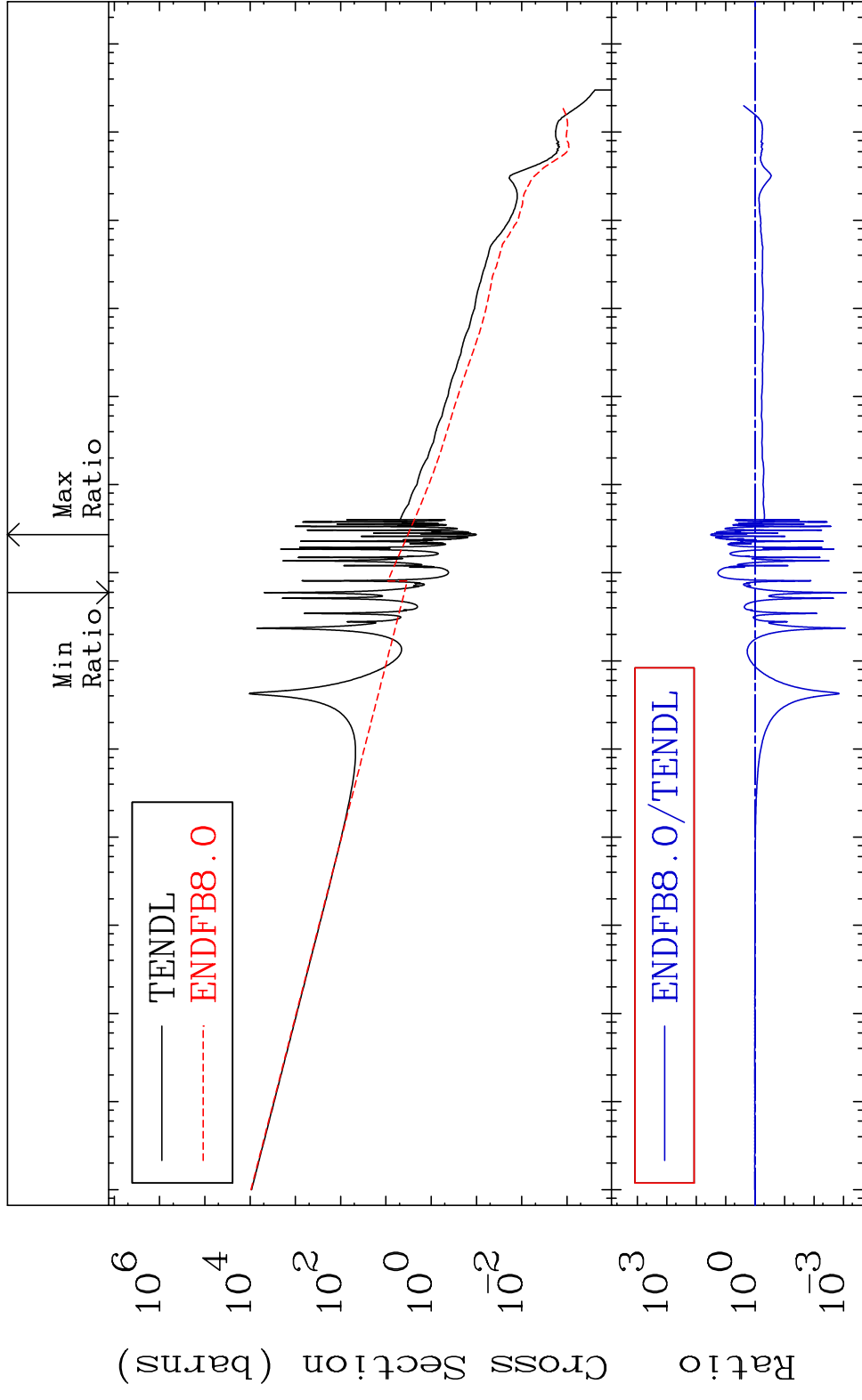


MAT 5452

54-Xe-133

(n, γ)

Cross Section -99.92 To 3136. %

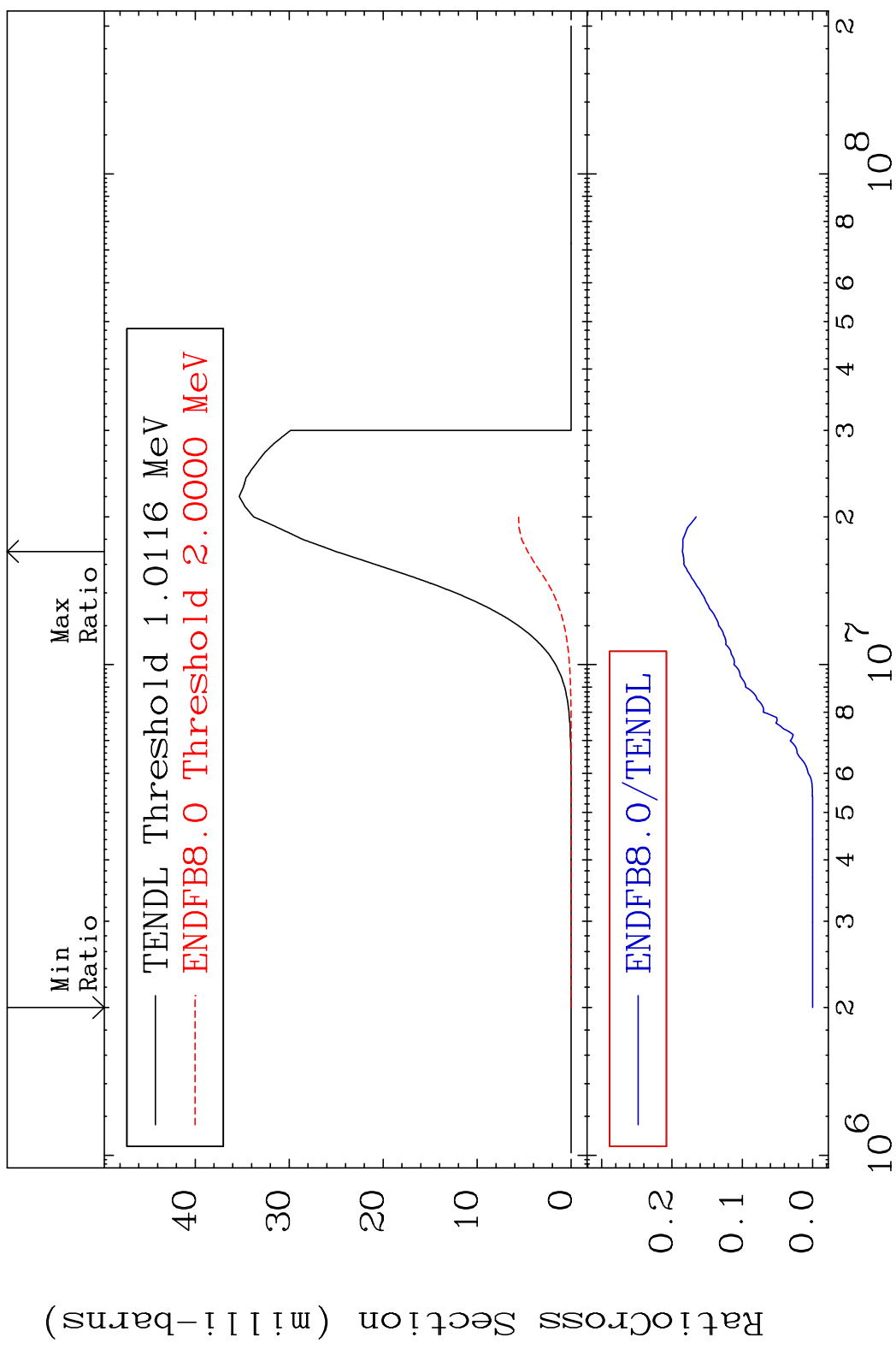


MAT 5452

(n,p)

54-Xe-133

Cross Section -100.0 To -81.48%



25

Incident Energy (eV)

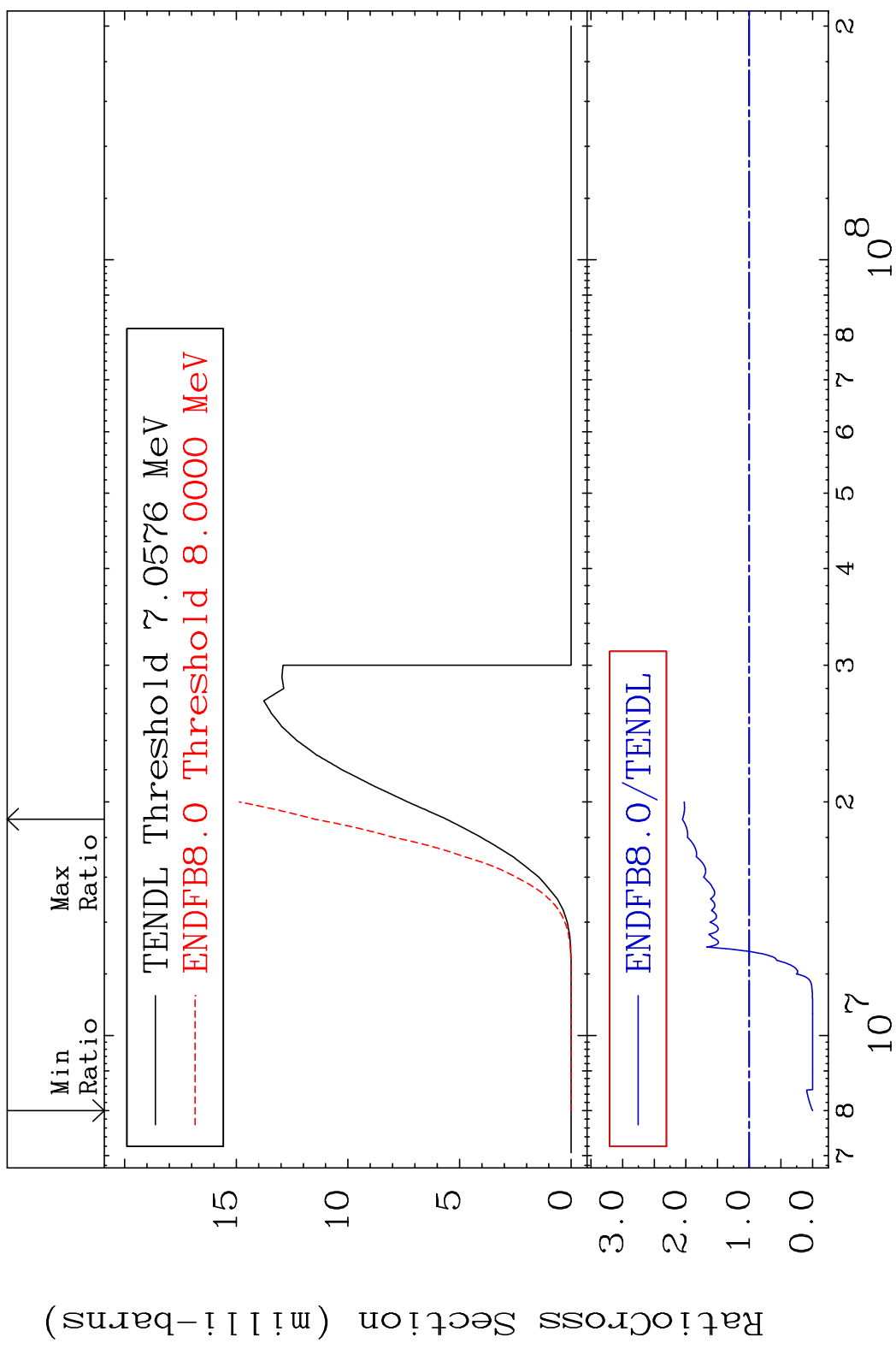
54-Xe-133

MAT 5452

(n,d)

54-Xe-133

Cross Section -100.0 To 105.6 %

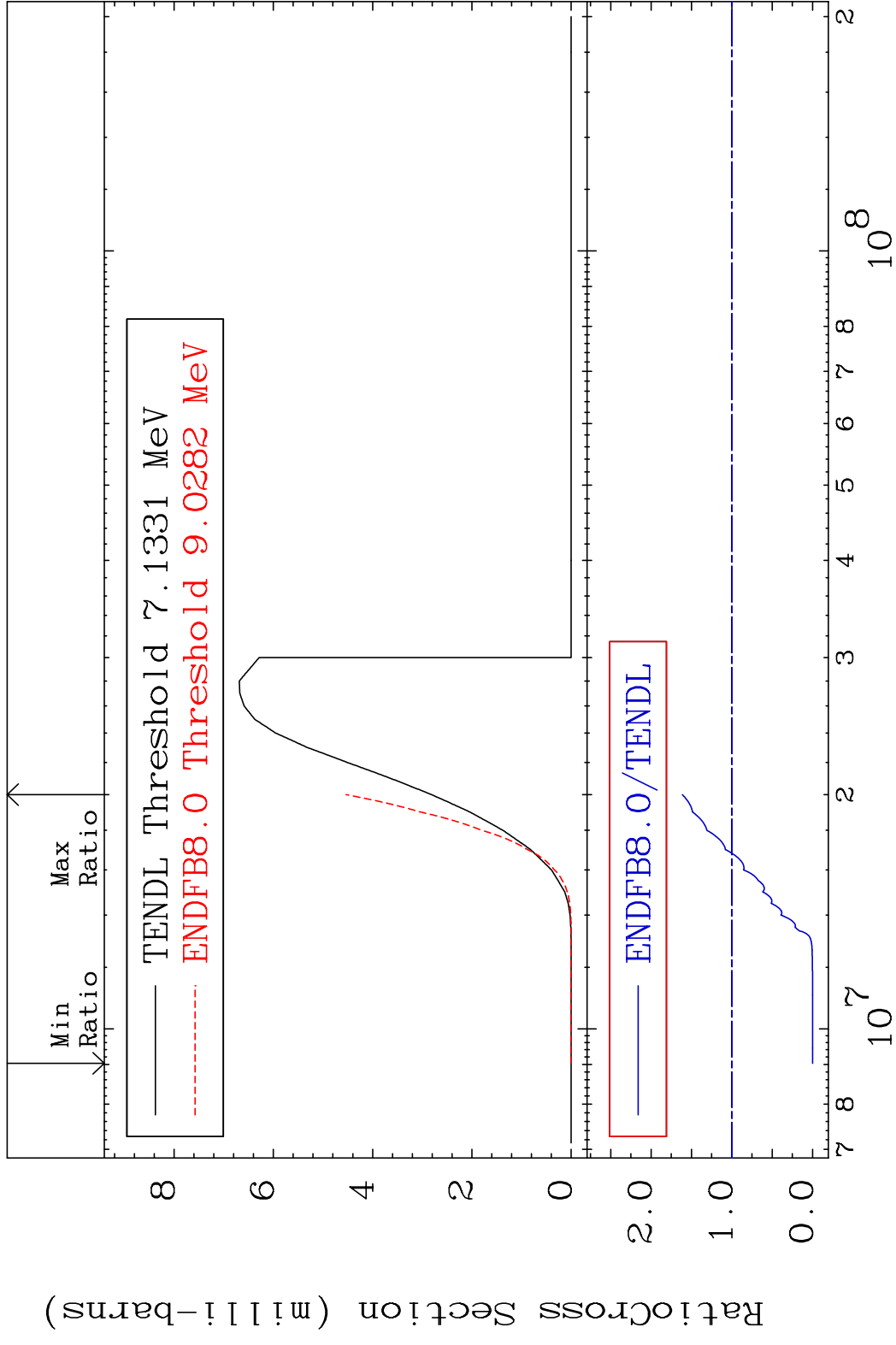


MAT 5452

(n, t)

54-Xe-133

Cross Section -100.0 To 61.24 %

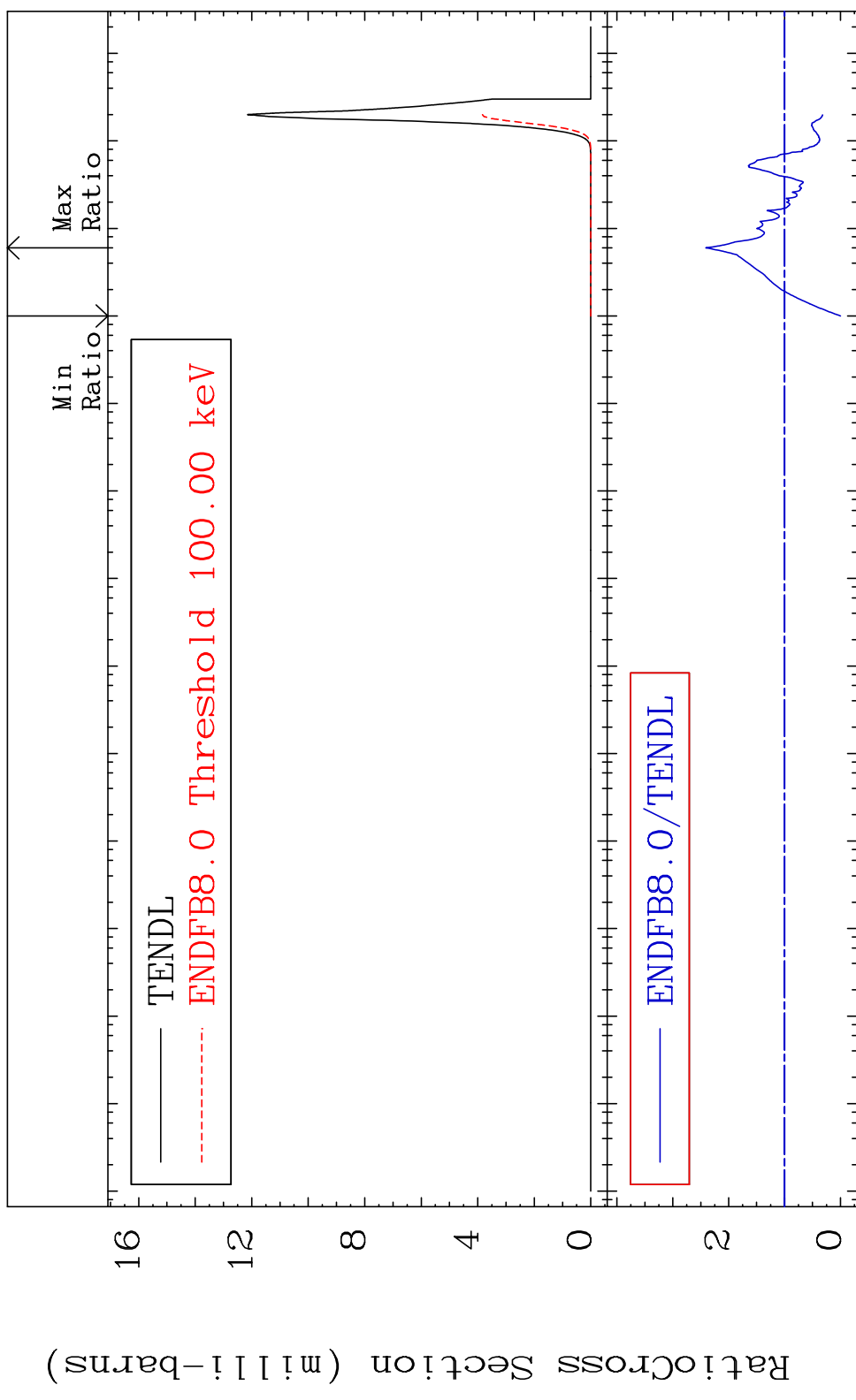


MAT 5452

(n, α)

54-Xe-133

Cross Section -100.0 To 141.0 %



28

Incident Energy (eV)

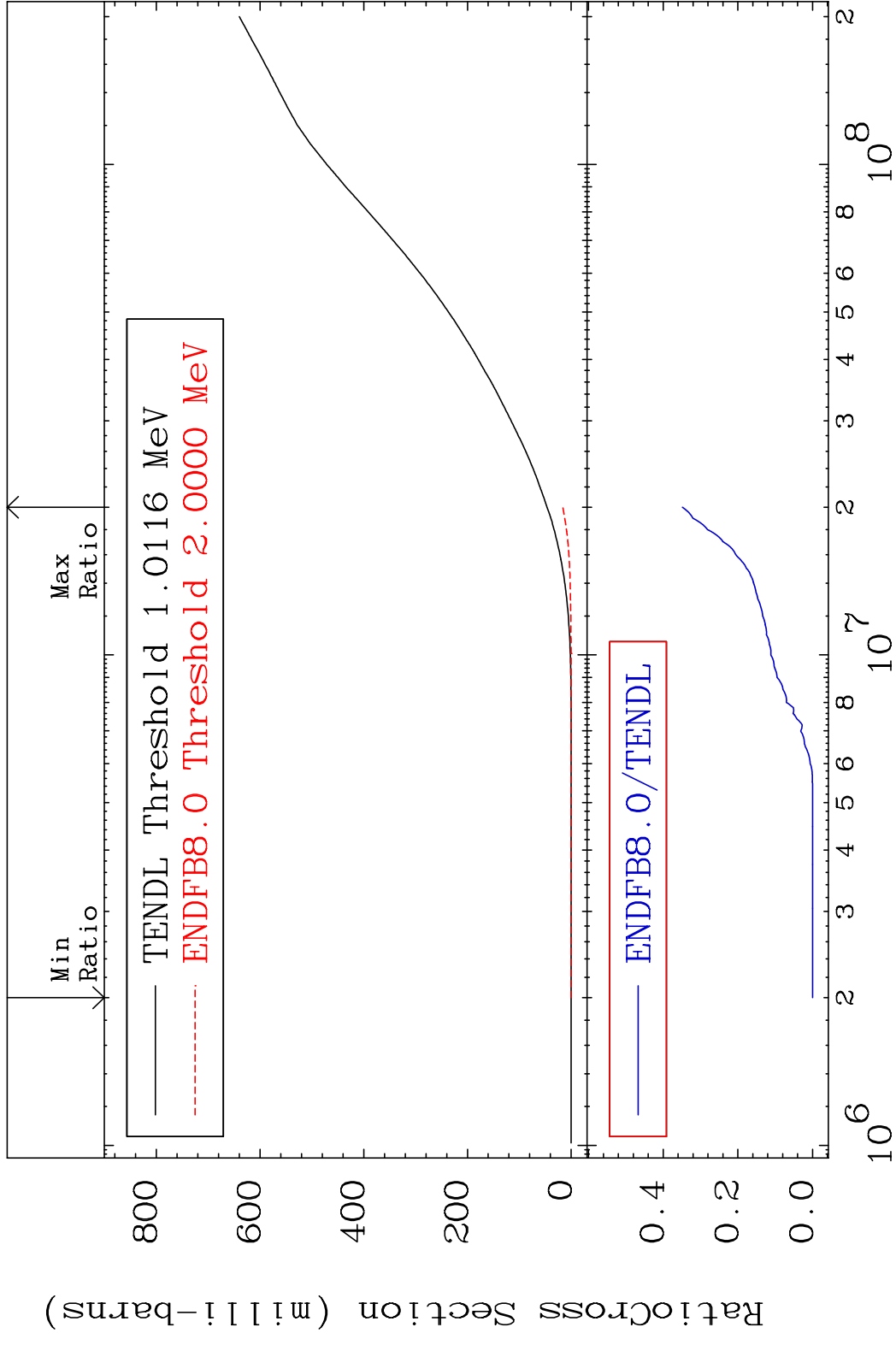
54-Xe-133

MAT 5452

Hydrogen Production

54-Xe-133

Cross Section -100.0 To -65.14%



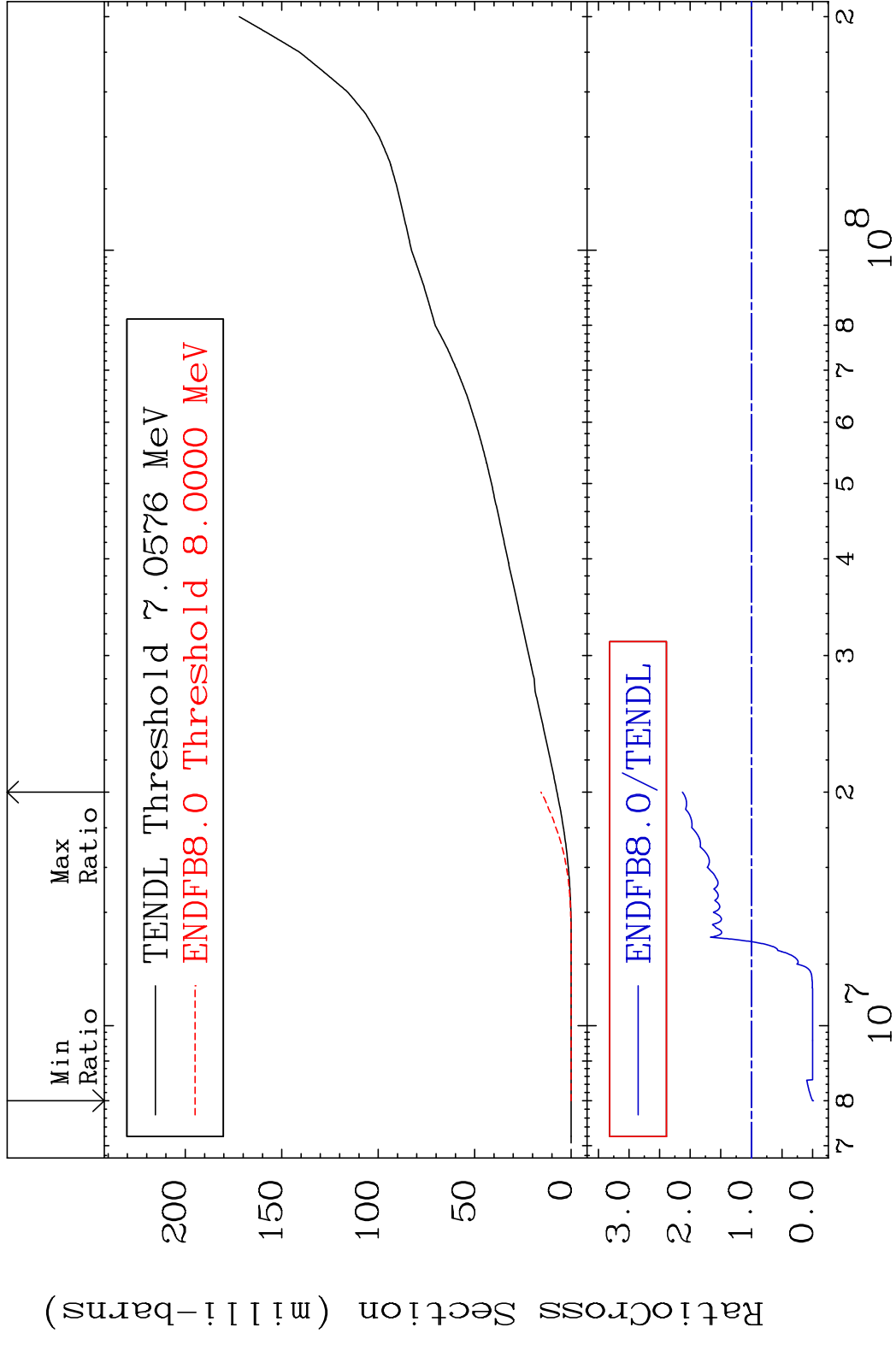
29

Incident Energy (eV)

54-Xe-133

MAT 5452

Deuterium Production 54-Xe-133
Cross Section -100.0 To 112.9 %



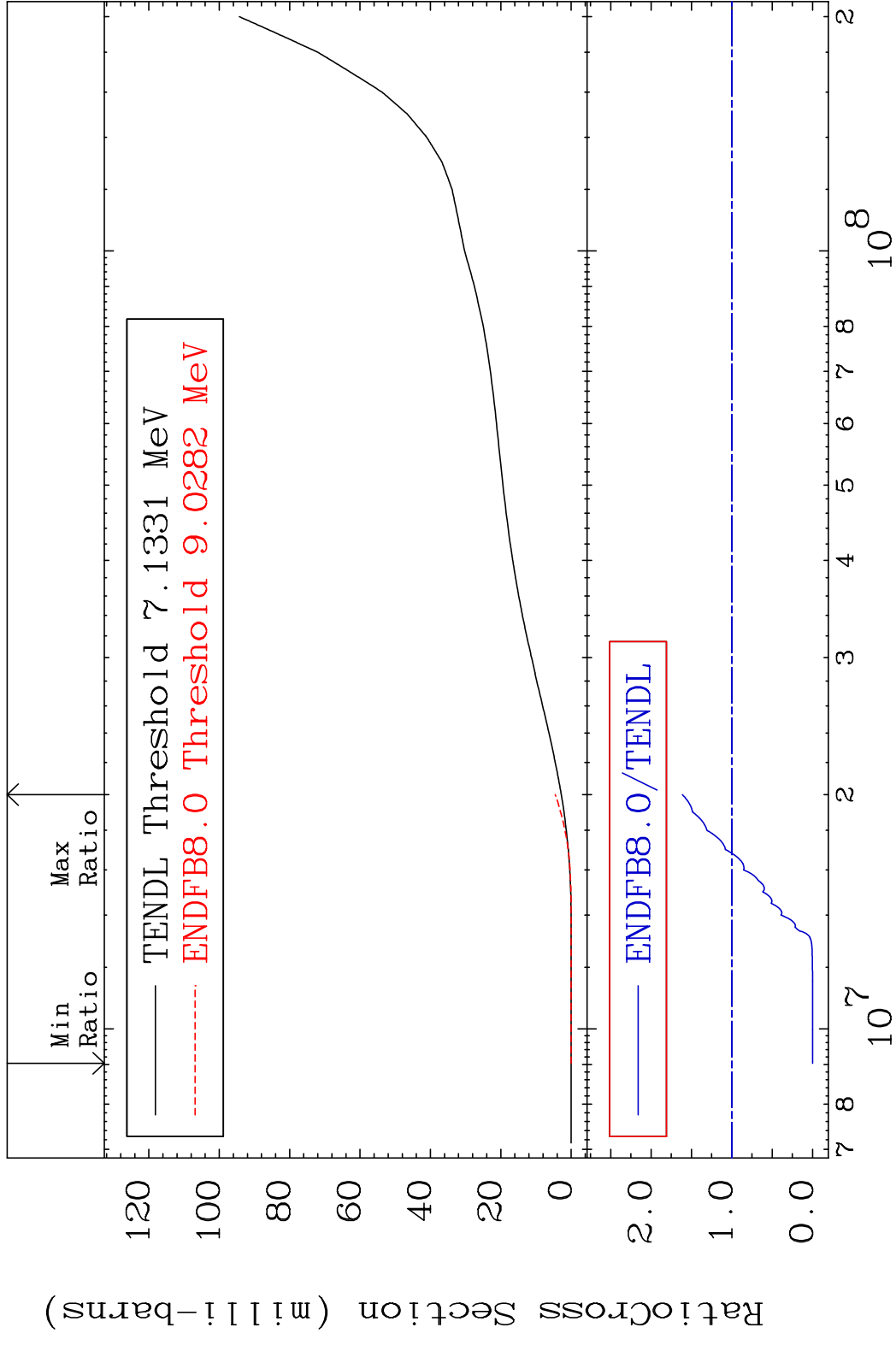
30

Incident Energy (eV)

54-Xe-133

MAT 5452

Tritium Production 54-Xe-133
Cross Section -100.0 To 61.24 %



31

Incident Energy (eV)

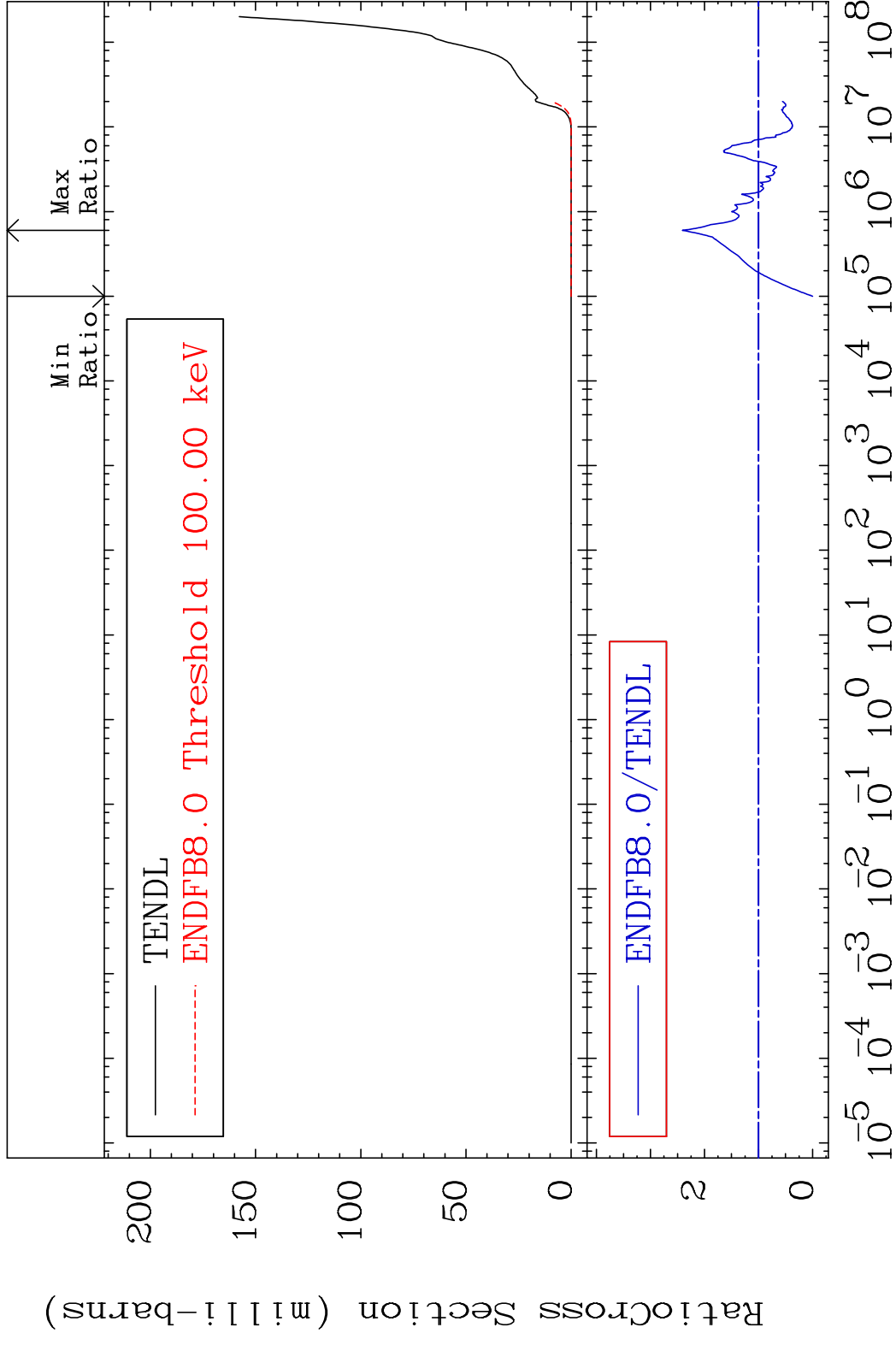
54-Xe-133

MAT 5452

He-4 Production

54-Xe-133

Cross Section -100.0 To 141.0 %



32

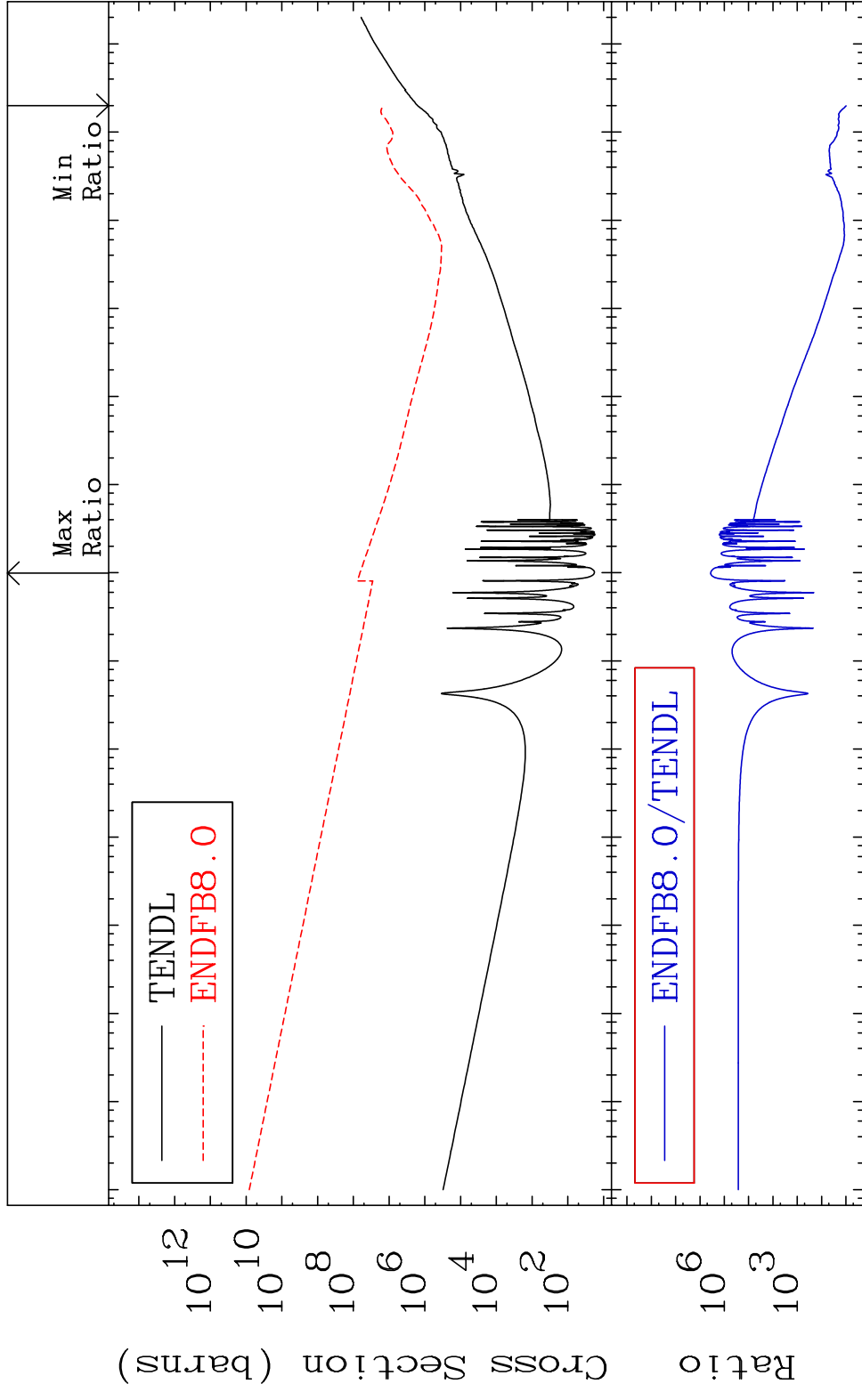
Incident Energy (eV)

54-Xe-133

MAT 5452

Kerma total (eV-barns) 54-Xe-133

Cross Section 860.6 To 9999. %



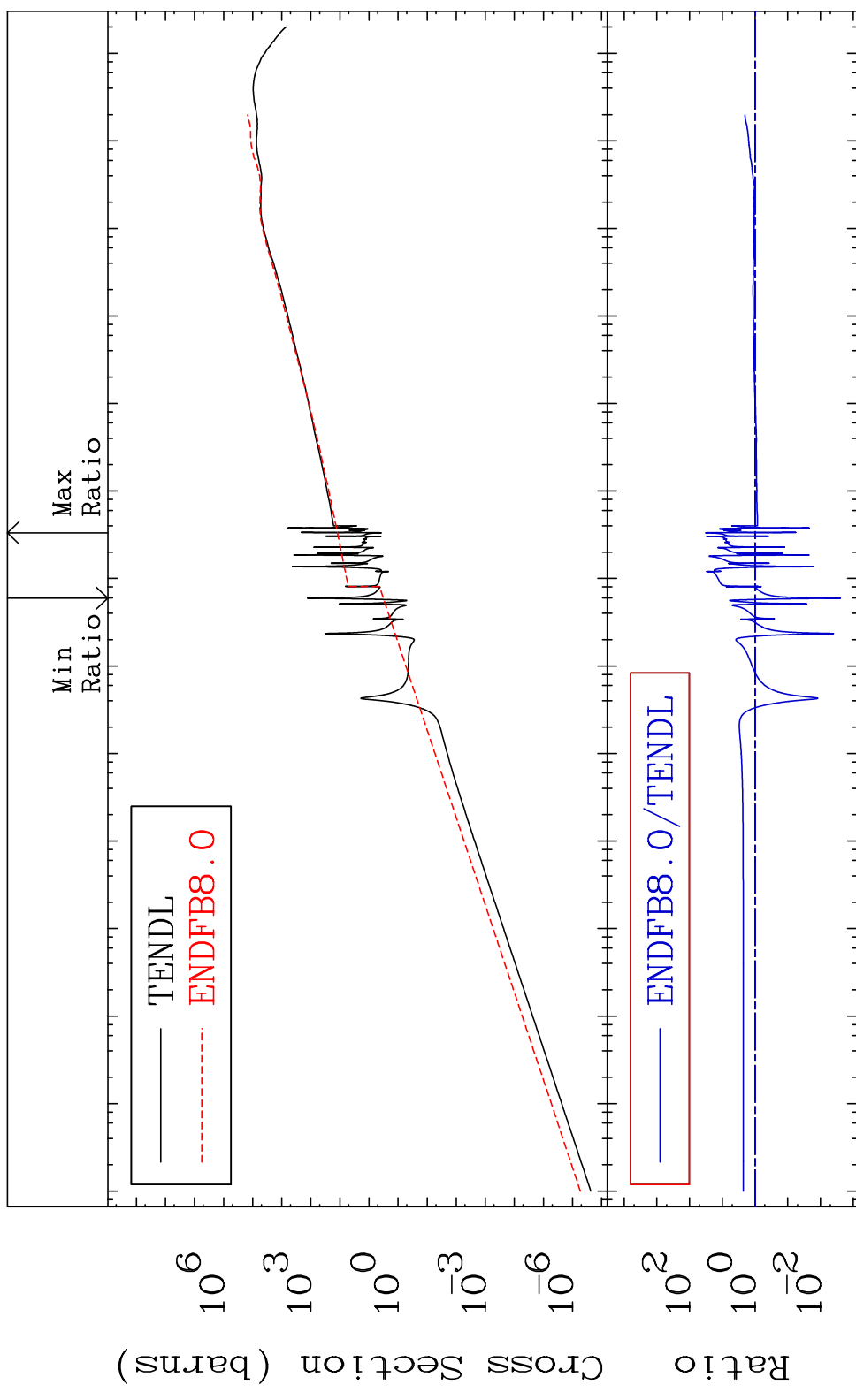
33

Incident Energy (eV)

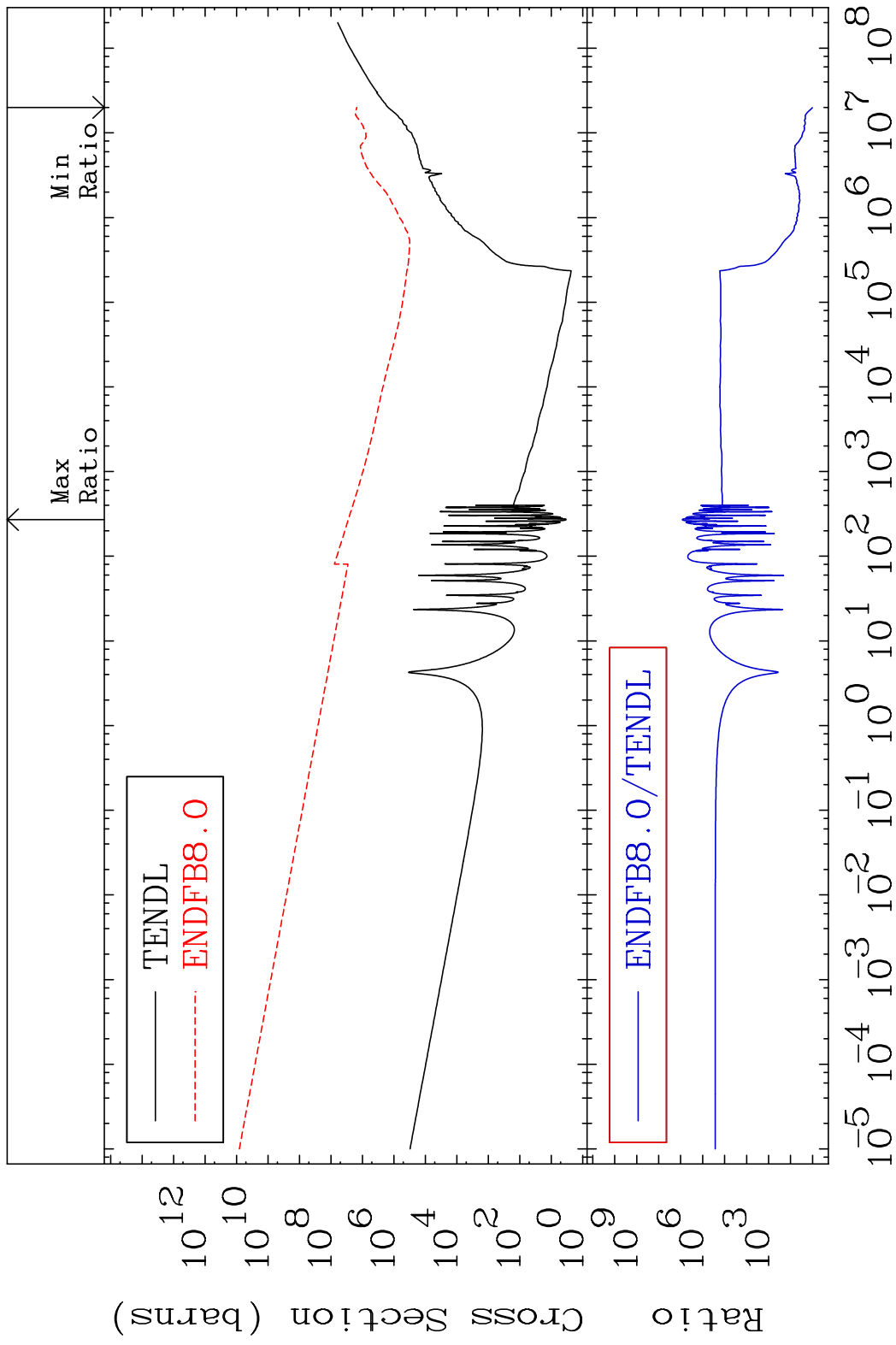
54-Xe-133

MAT 5452

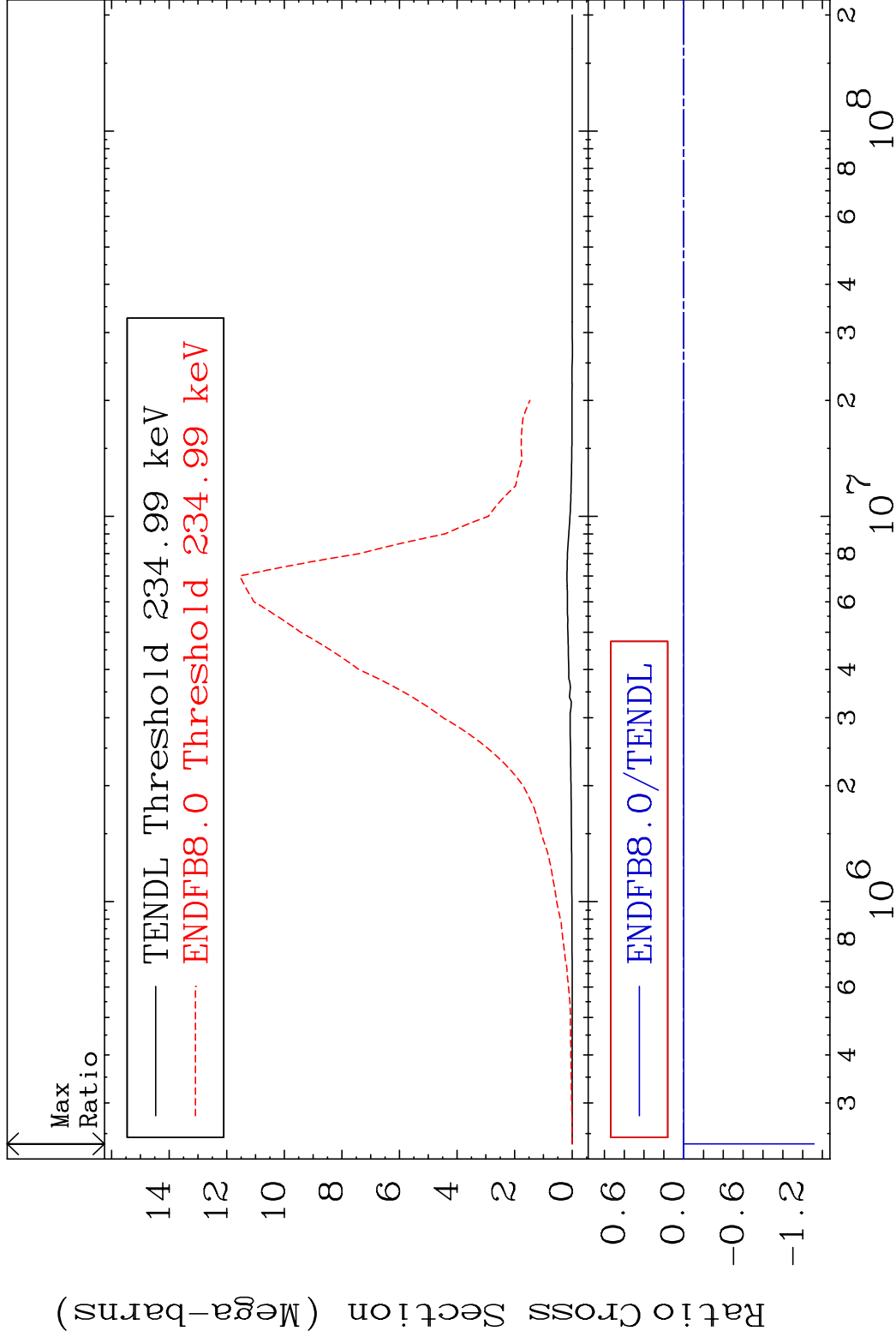
Kerma elastic Cross Section -99.76 To 3097. %
54-Xe-133



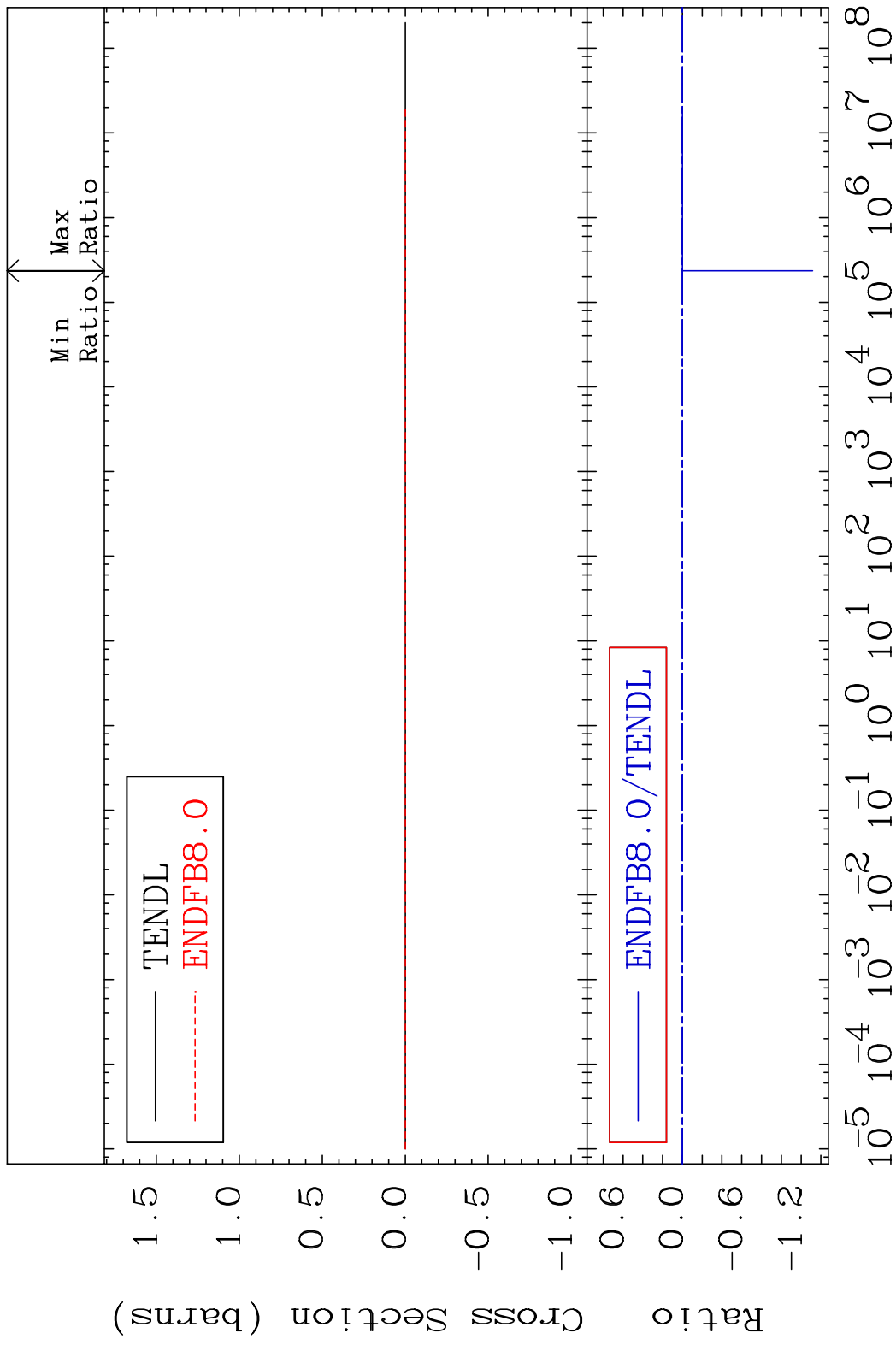
MAT 5452 Kerma non-elastic (all but mt2) 54-Xe-133
 Cross Section 897.5 To 9999. %



MAT 5452 Kerma inelastic (mt51-91) 54-Xe-133
Cross Section -9999. To 9999. %

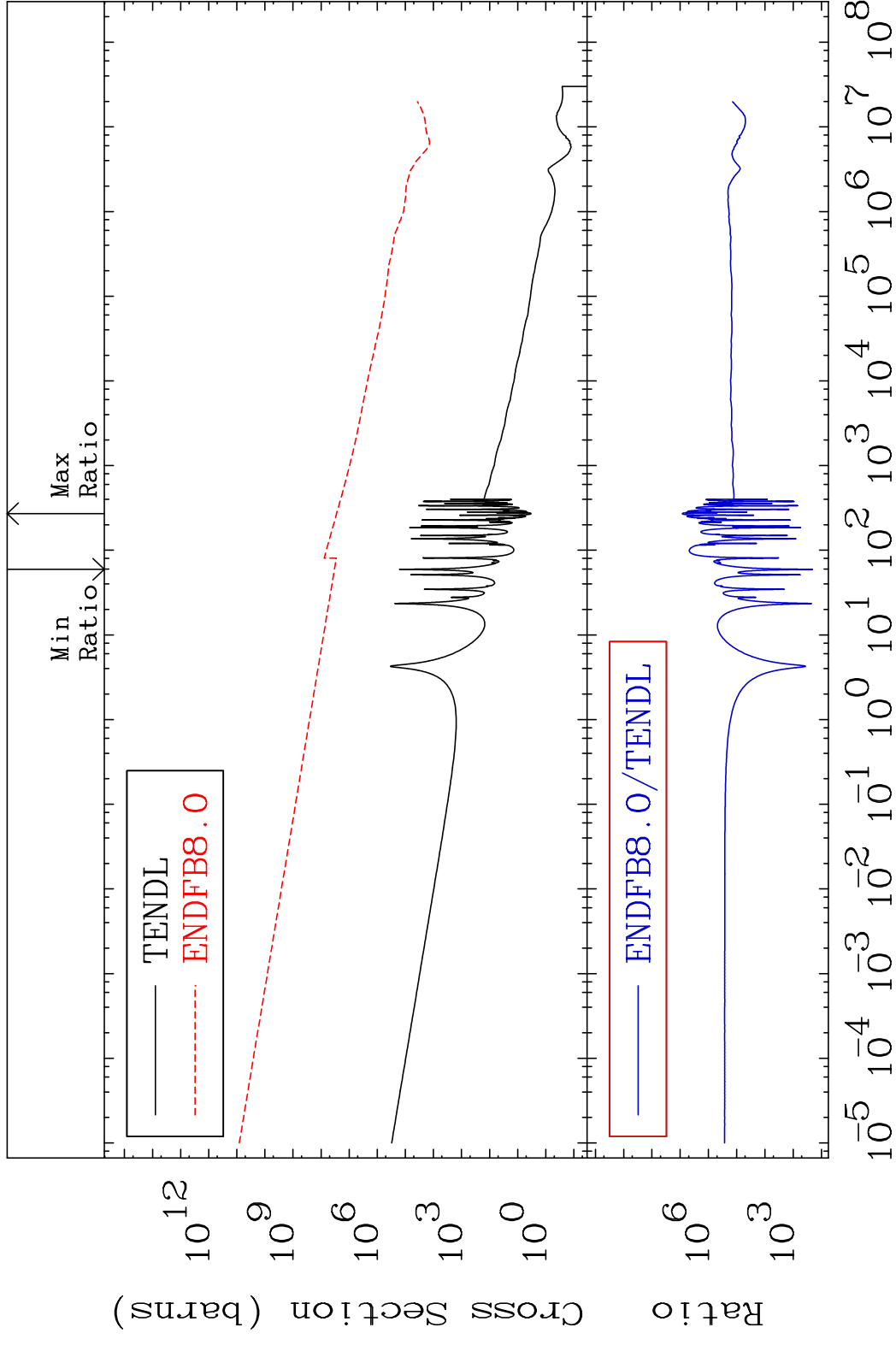


MAT 5452 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-133
 Cross Section -9999. To 9999. %

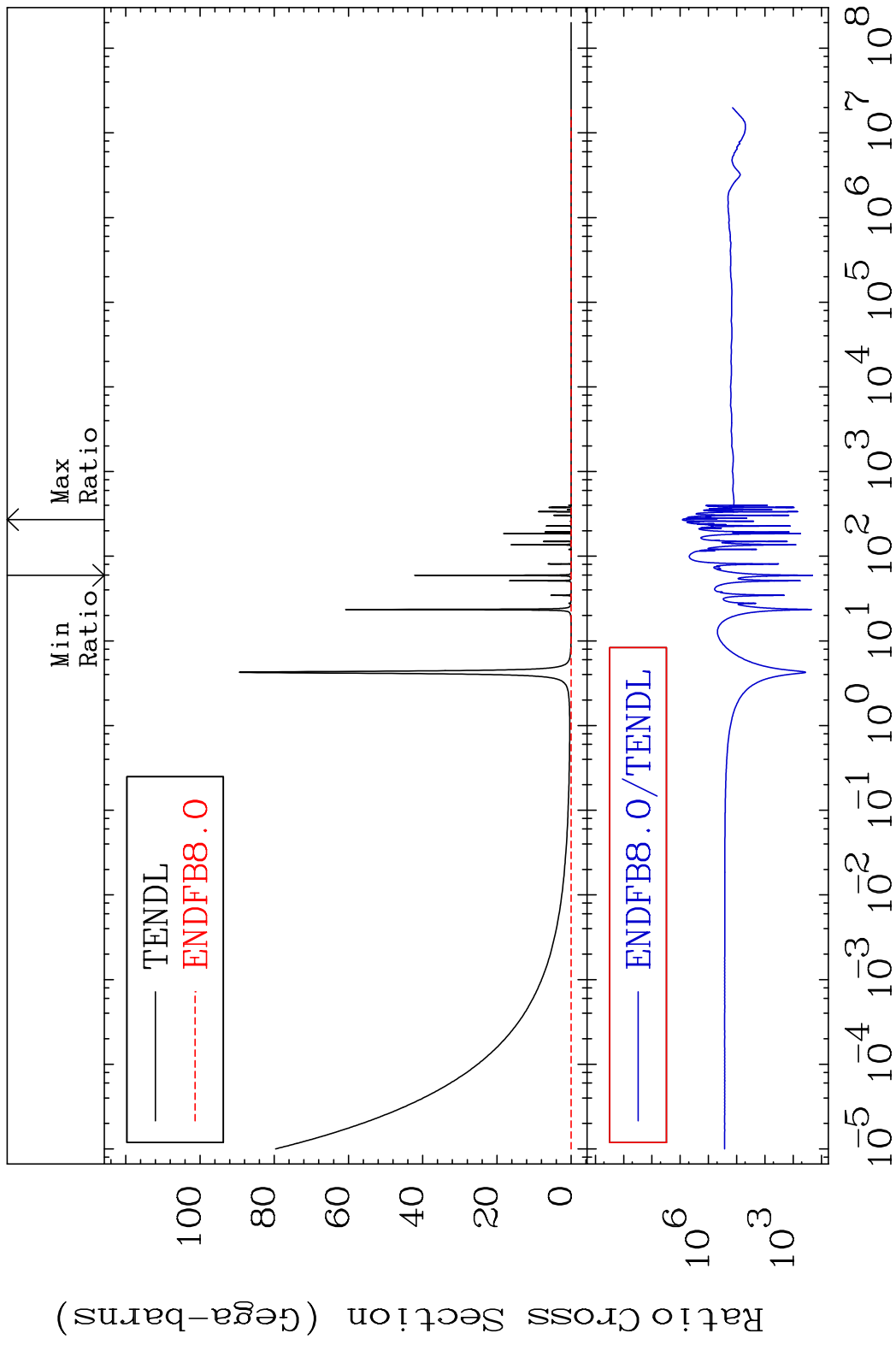


MAT 5452

Kerma capture (mt102) 54-Xe-133
Cross Section 9999. To 9999. %

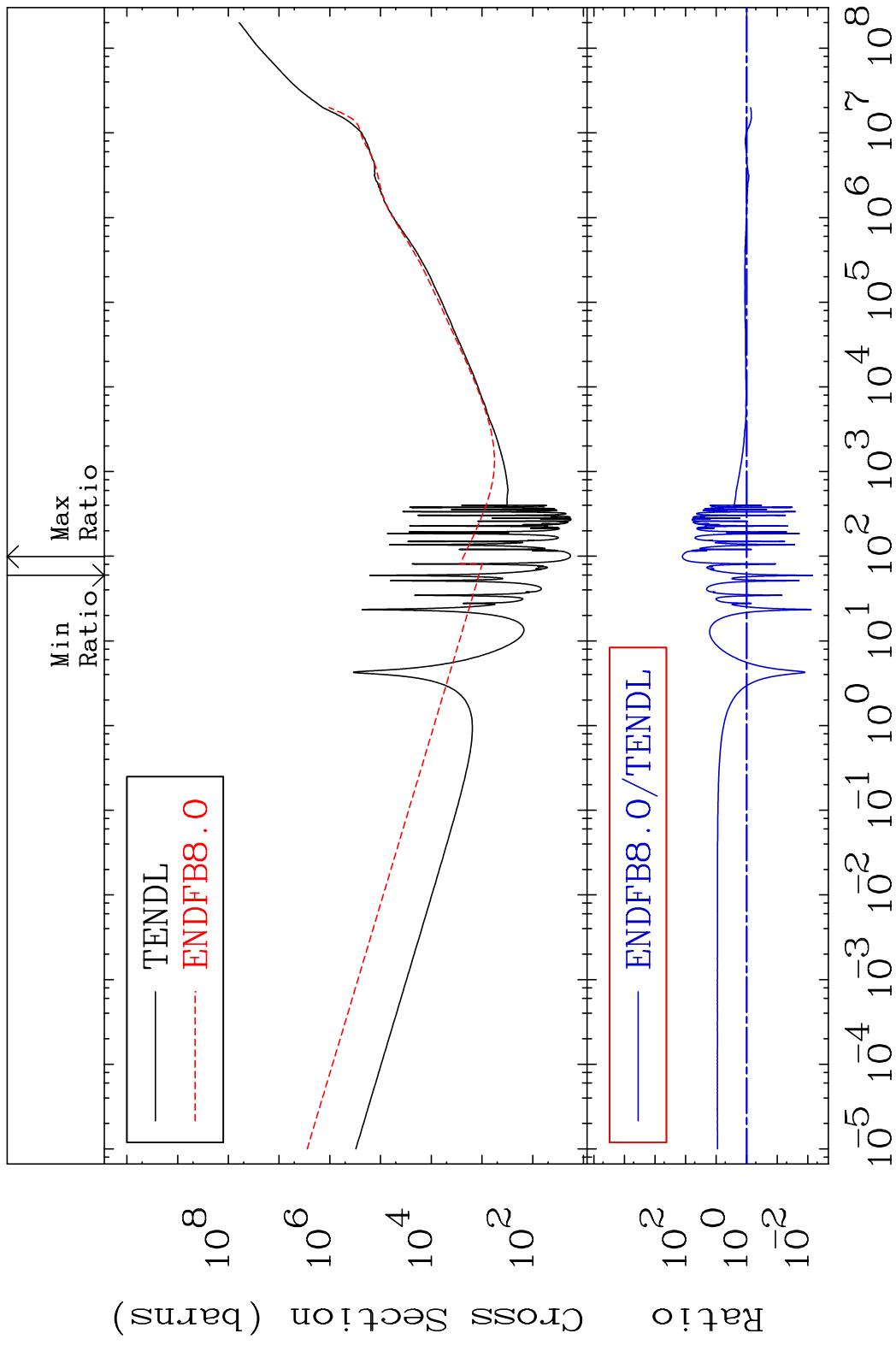


MAT 5452 Total photon (eV-barns) 54-Xe-133
 Cross Section 9999. To 9999. %



39 Incident Energy (eV) 54-Xe-133

MAT 5452 Total kinematic kerma (high limit) 54-Xe-133
 Cross Section -99.30 To 9999. %



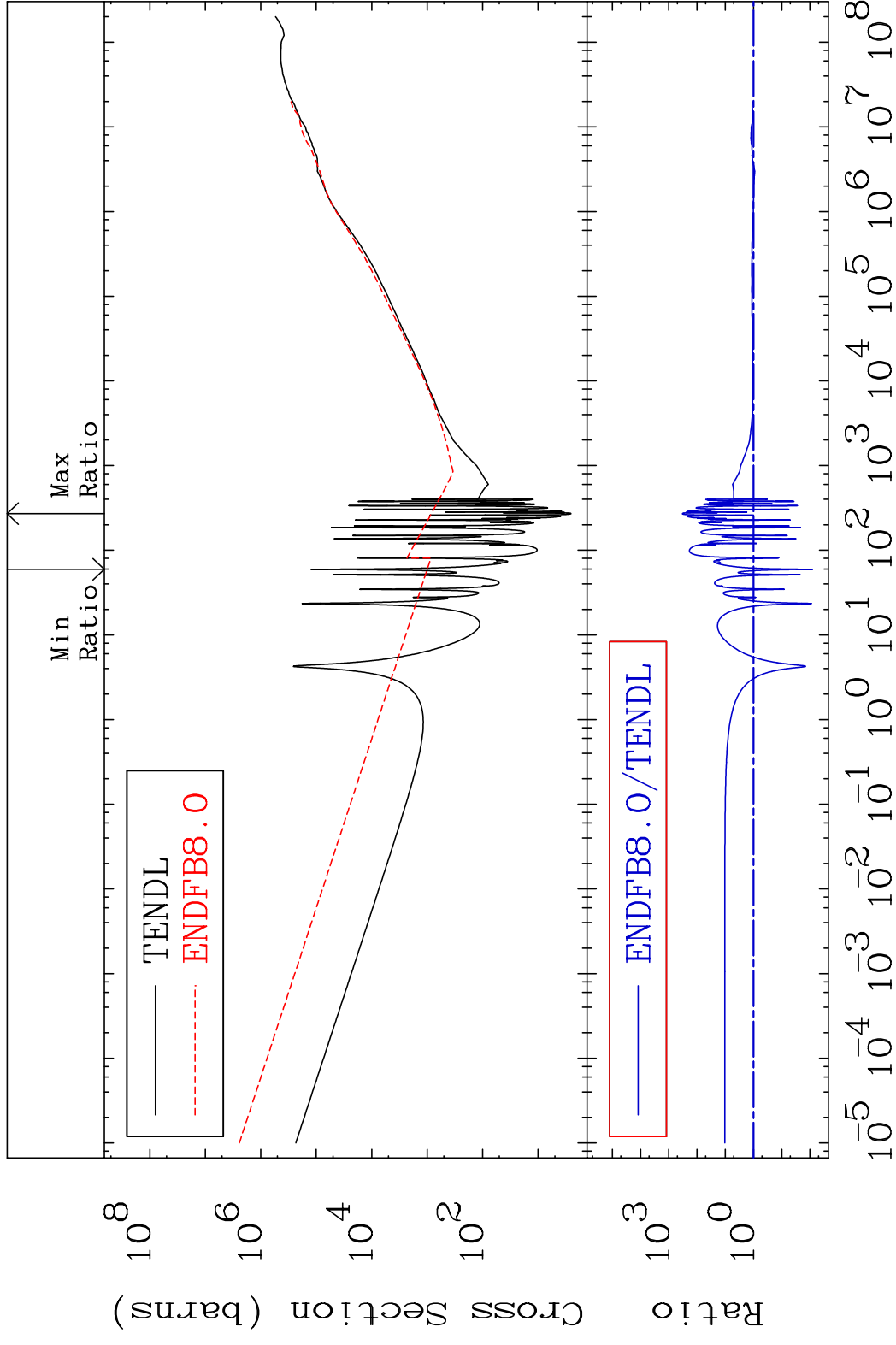
40 Incident Energy (eV) 54-Xe-133

MAT 5452

Dpa total (eV-barns)

54-Xe-133

Cross Section -99.19 To 9999. %



41

Incident Energy (eV)

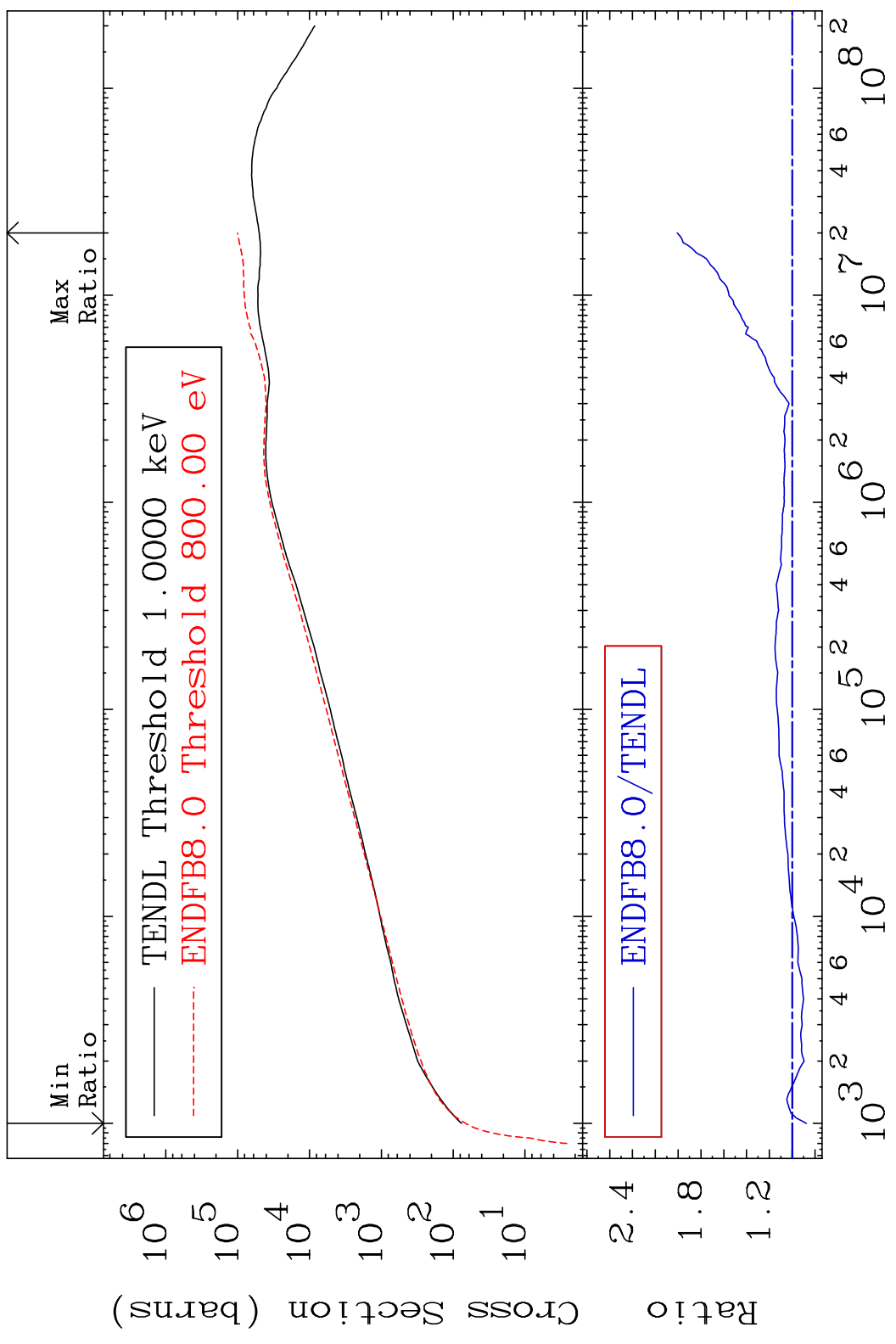
54-Xe-133

MAT 5452

Dpa elastic (mt2)

54-Xe-133

Cross Section -12.46 To 100.8 %

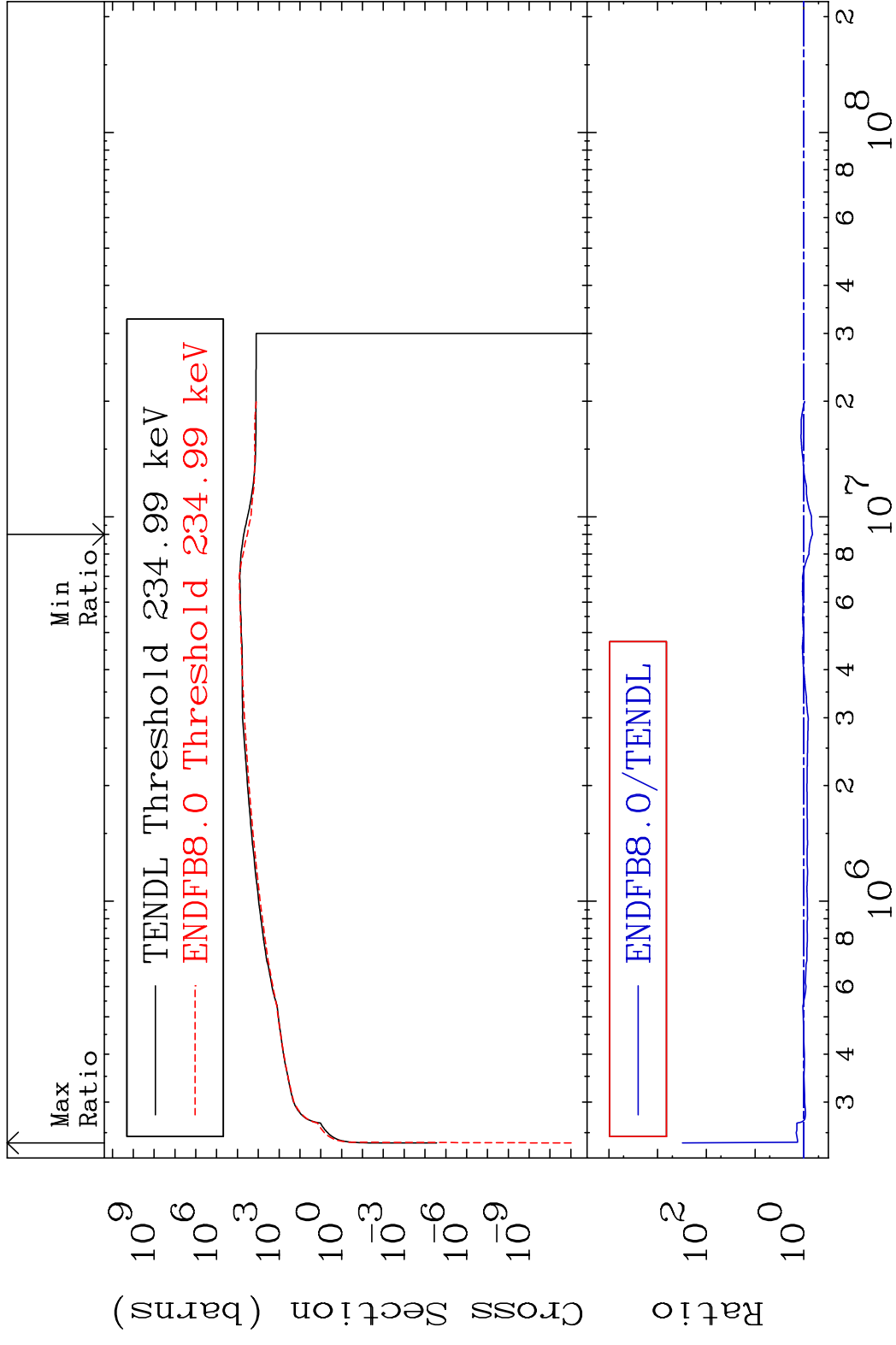


42

Incident Energy (eV)

54-Xe-133

MAT 5452 Dpa inelastic (mt51-91) 54-Xe-133
 Cross Section -33.83 To 9999. %



MAT 5452 Dpa disappearance (mt102 -120) 54-Xe-133
 Cross Section -99.19 To 9999. %

