

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

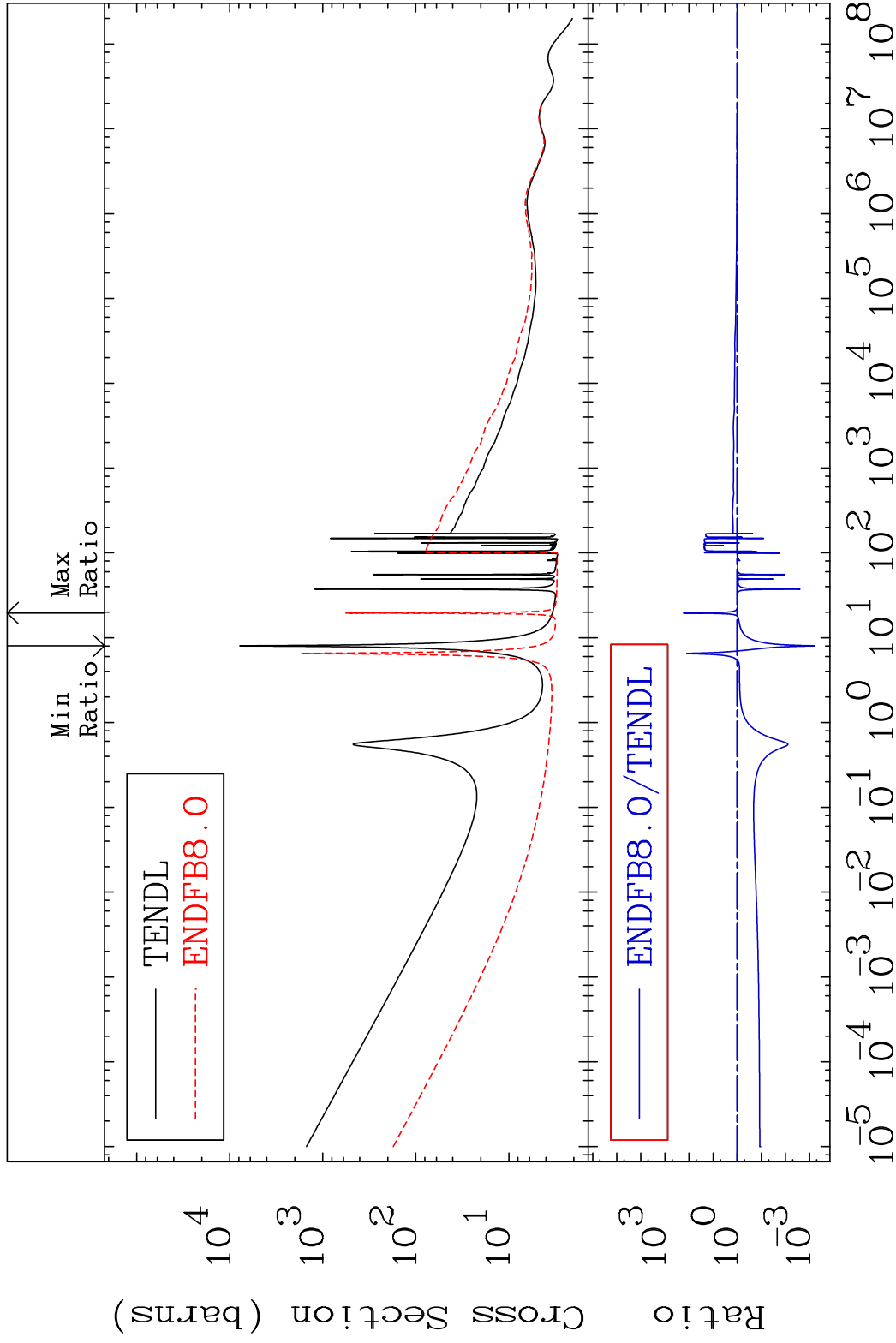
Press Mouse Button to Start

MAT 5434

Total

54-Xe-127

Cross Section -99.94 To 9999. %



1

Incident Energy (eV)

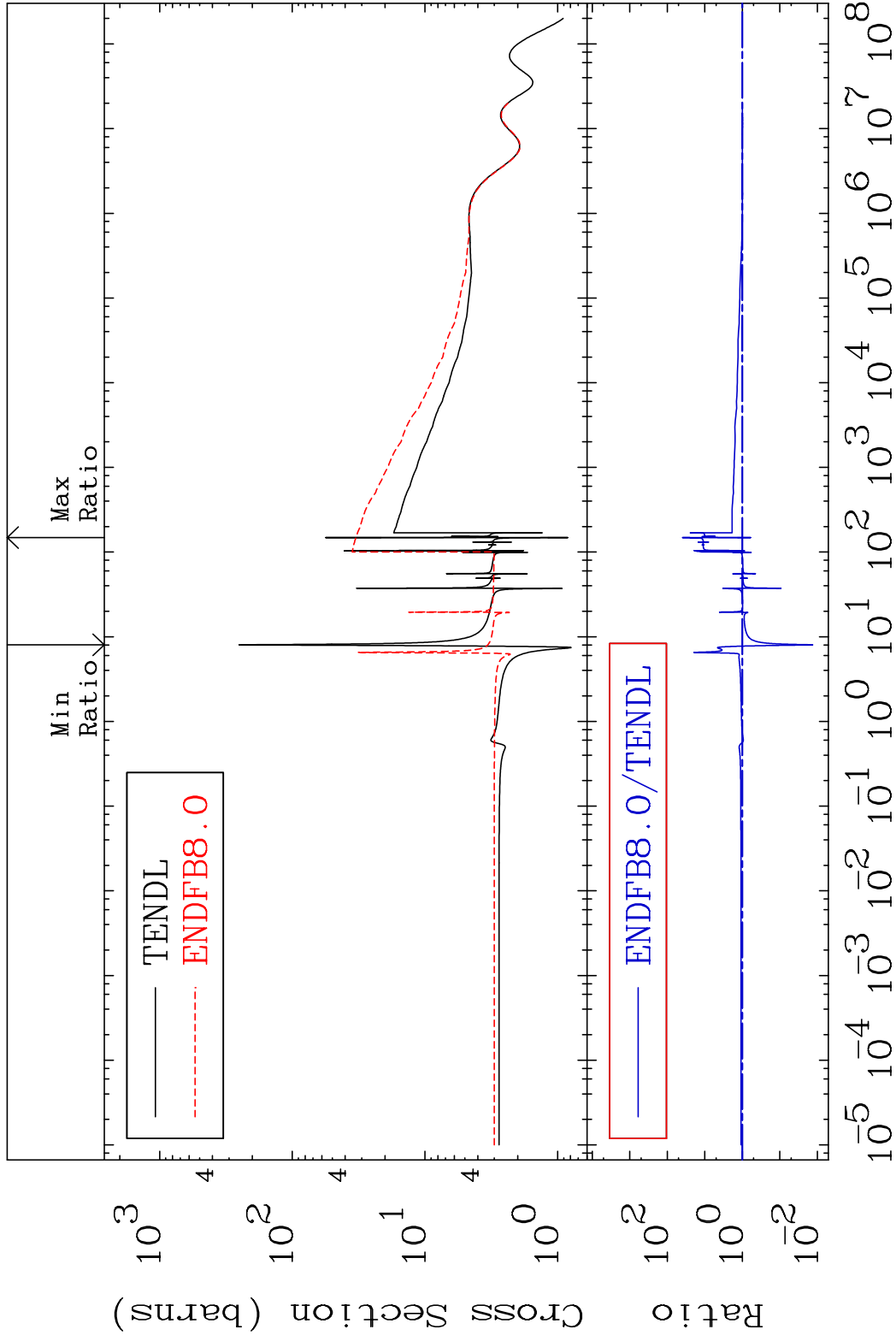
54-Xe-127

MAT 5434

Elastic

54-Xe-127

Cross Section -98.66 To 3857. %

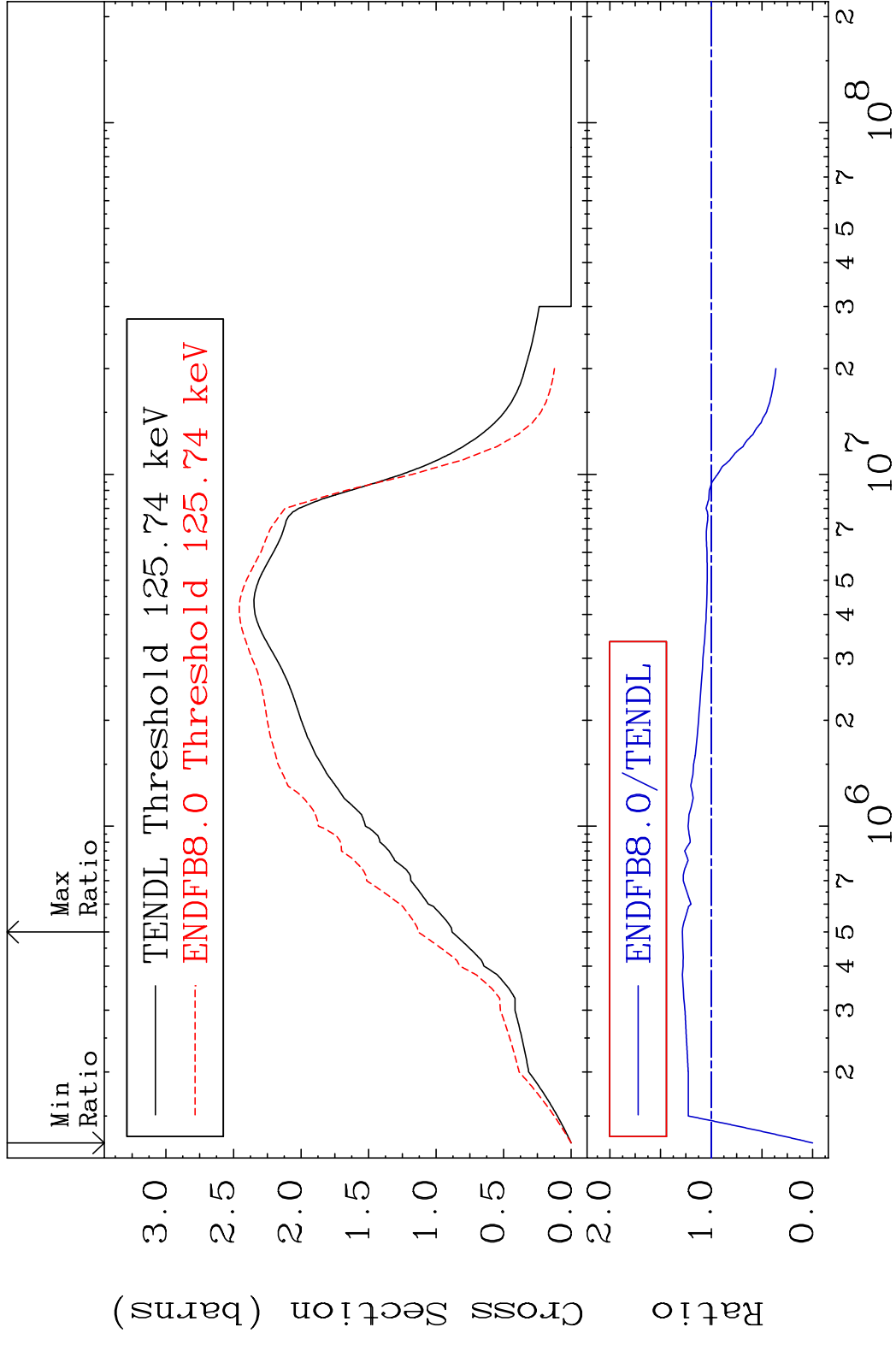


2

Incident Energy (eV)

54-Xe-127

MAT 5434 Inelastic 54-Xe-127
 Cross Section -100.0 To 28.52 %

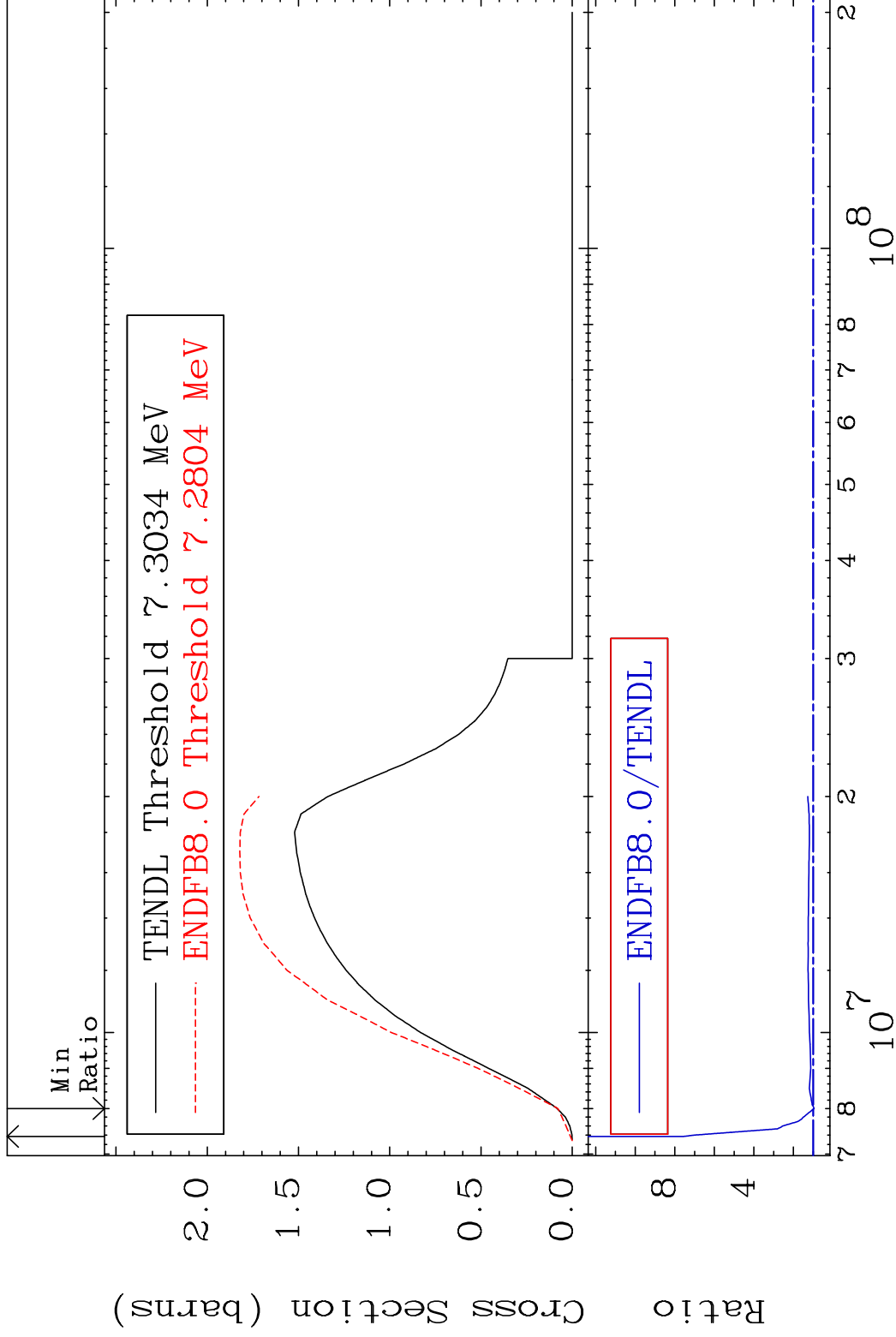


MAT 5434

(n,2n)

54-Xe-127

Cross Section -4.416 To 655.1 %

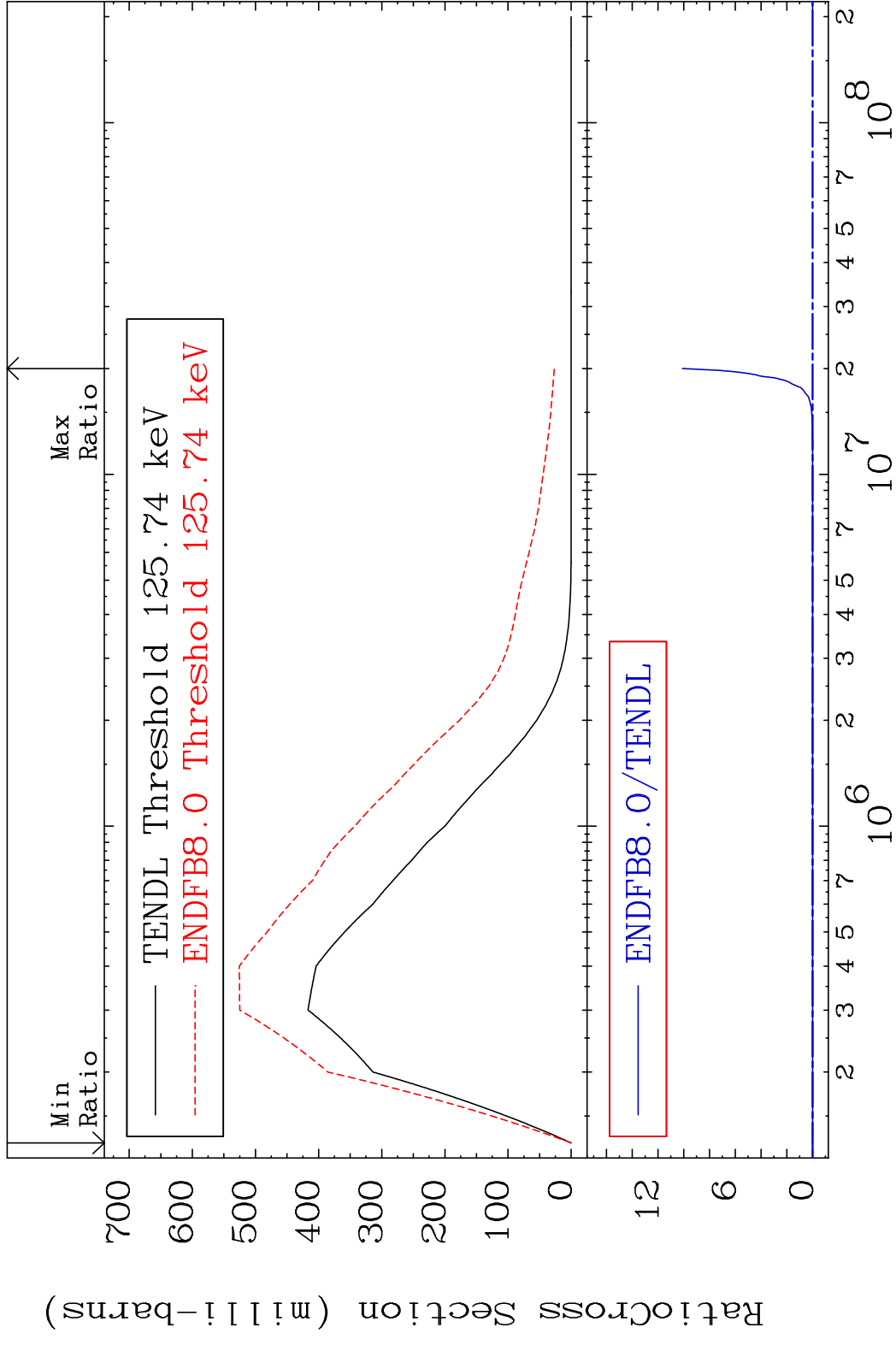


4

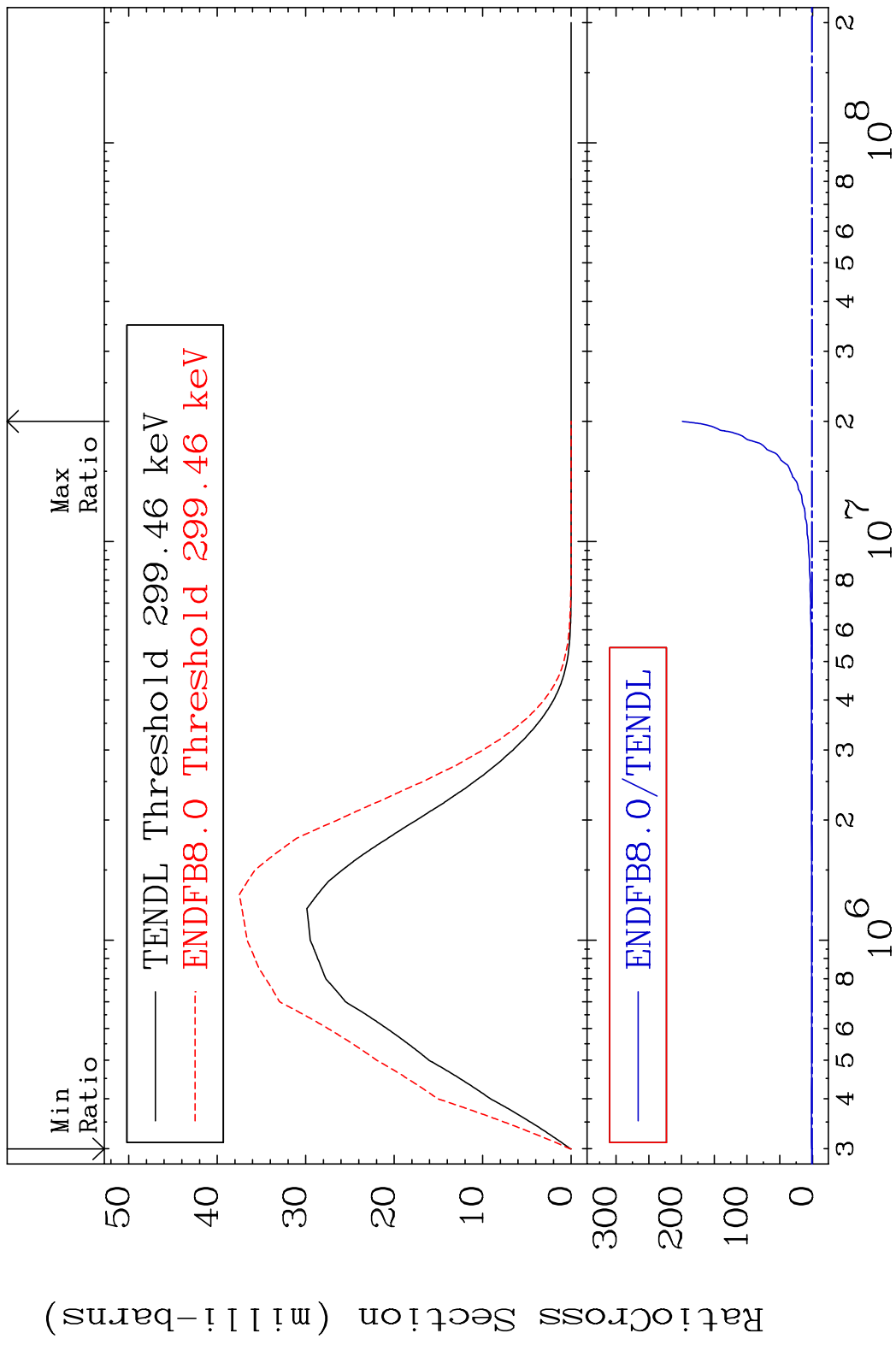
Incident Energy (eV)

54-Xe-127

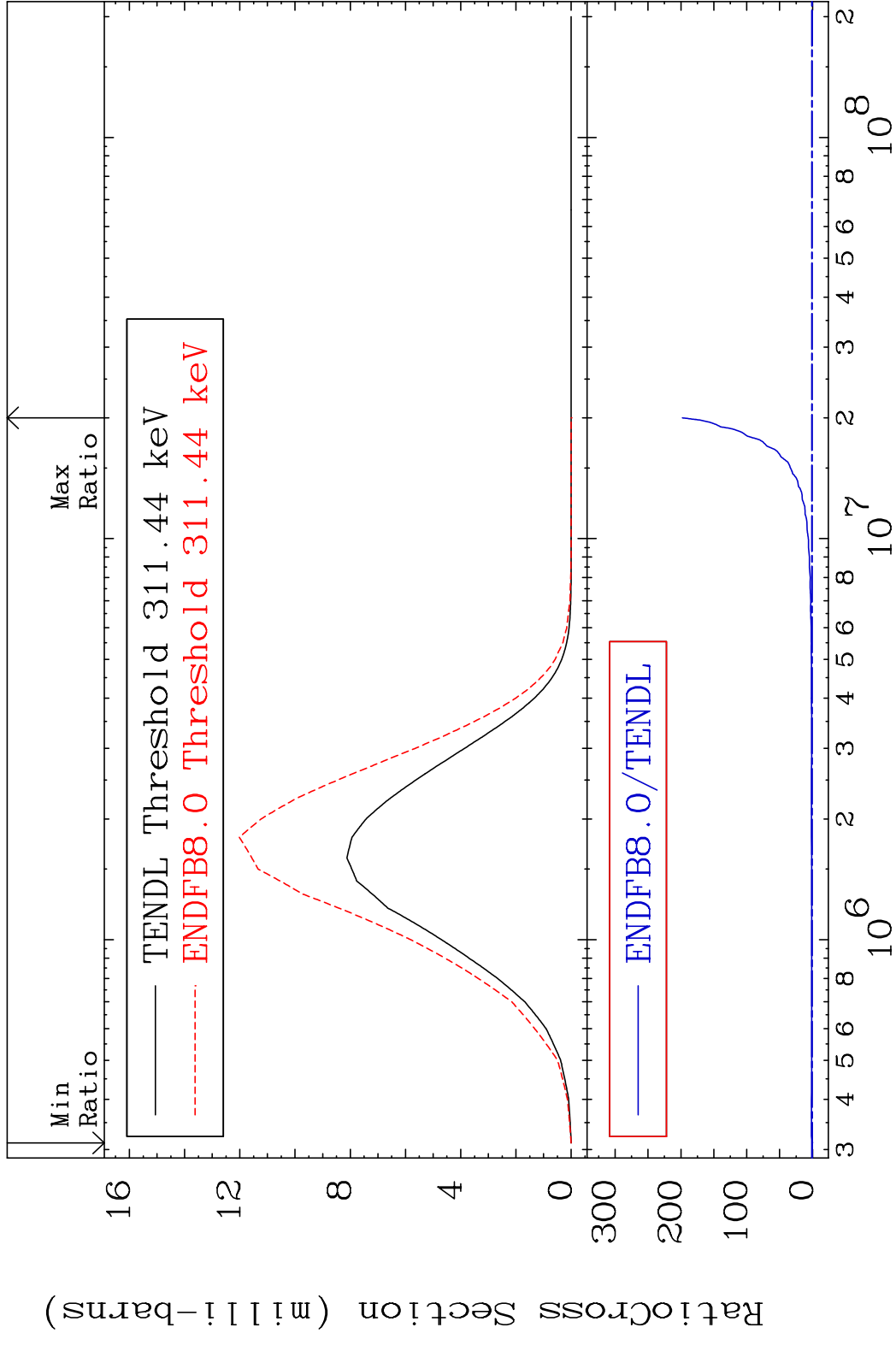
MAT 5434 MT= 51 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



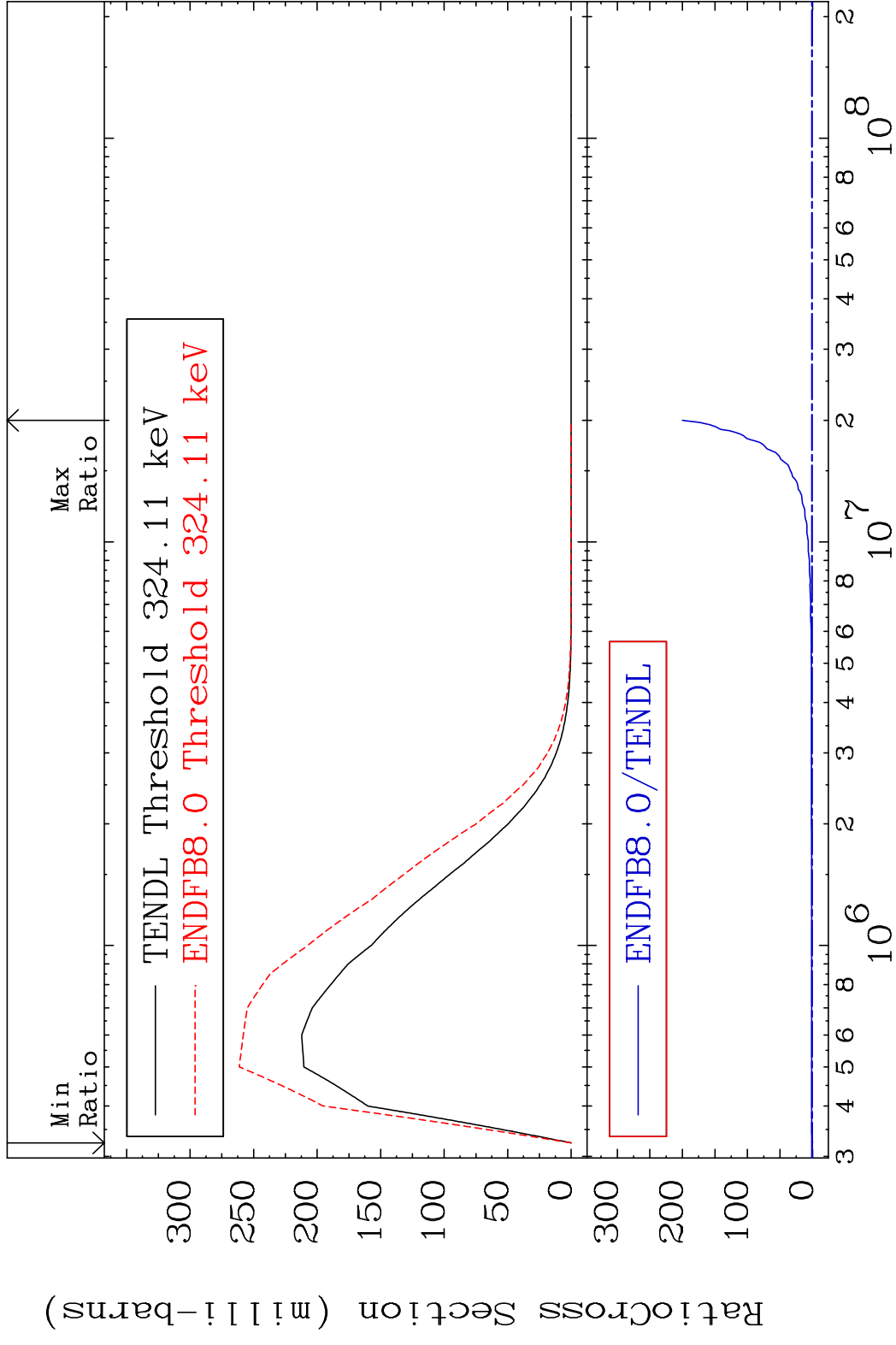
MAT 5434 MT= 52 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



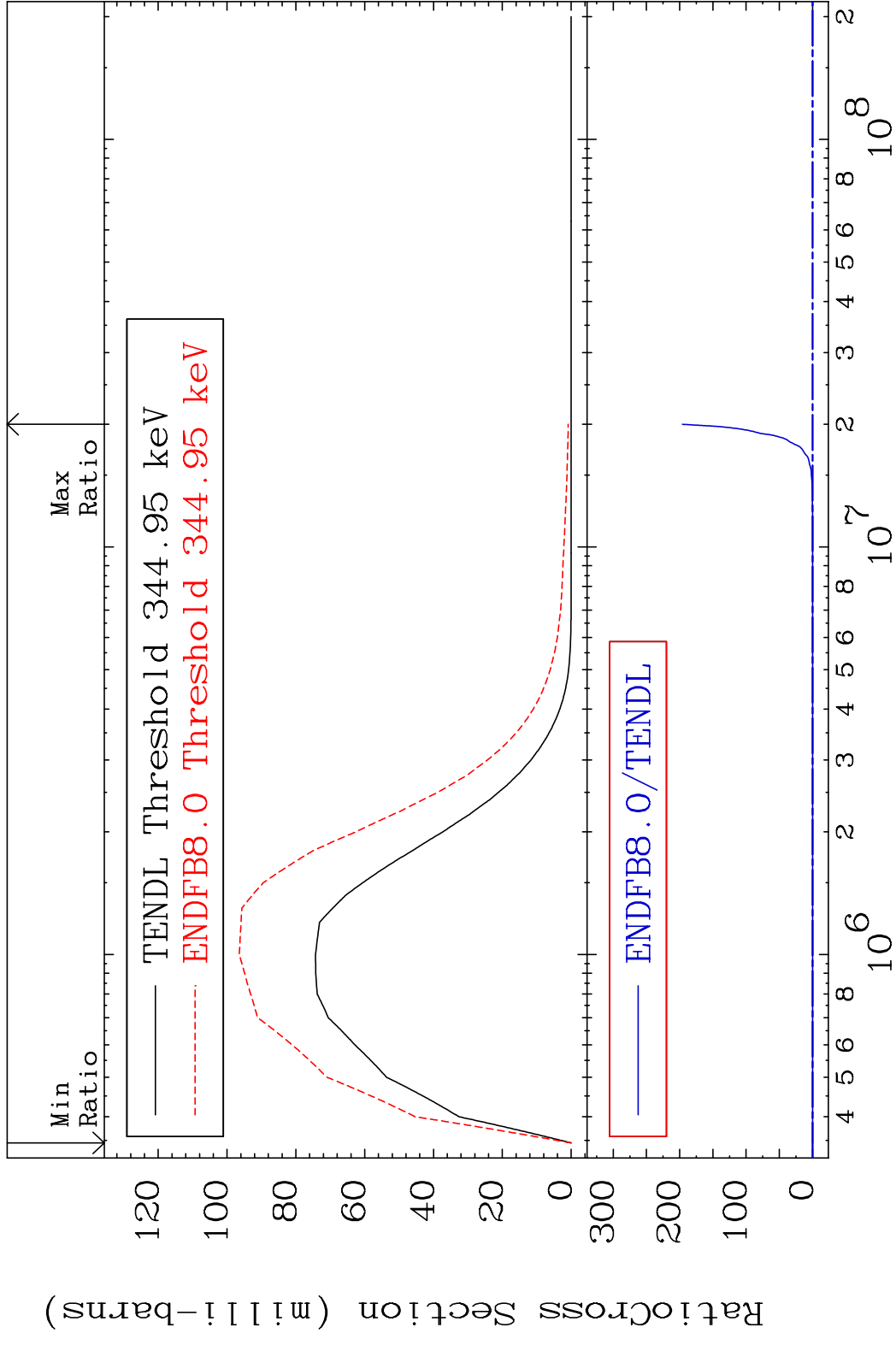
MAT 5434 MT= 53 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



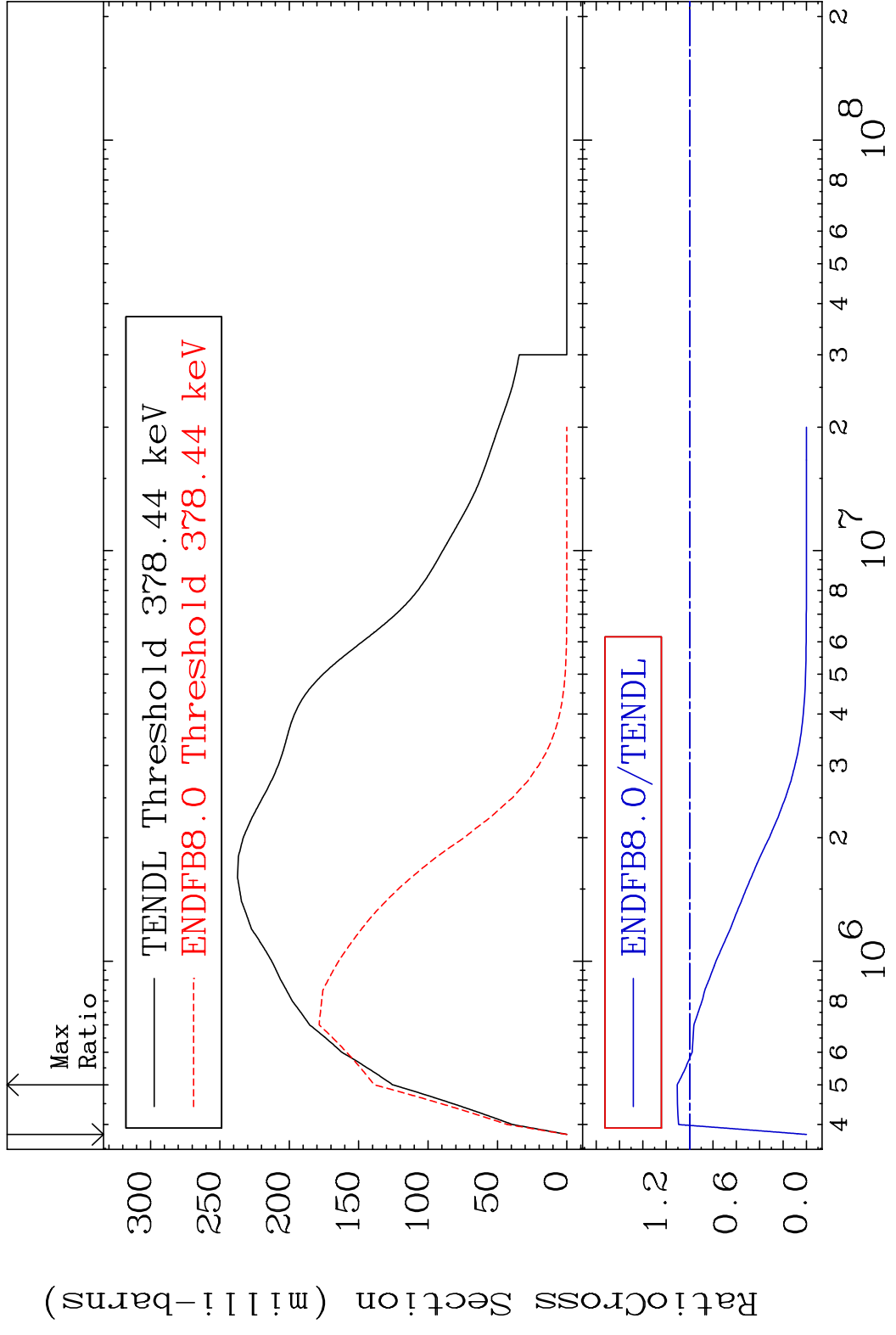
MAT 5434 MT= 54 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



MAT 5434 MT= 55 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %

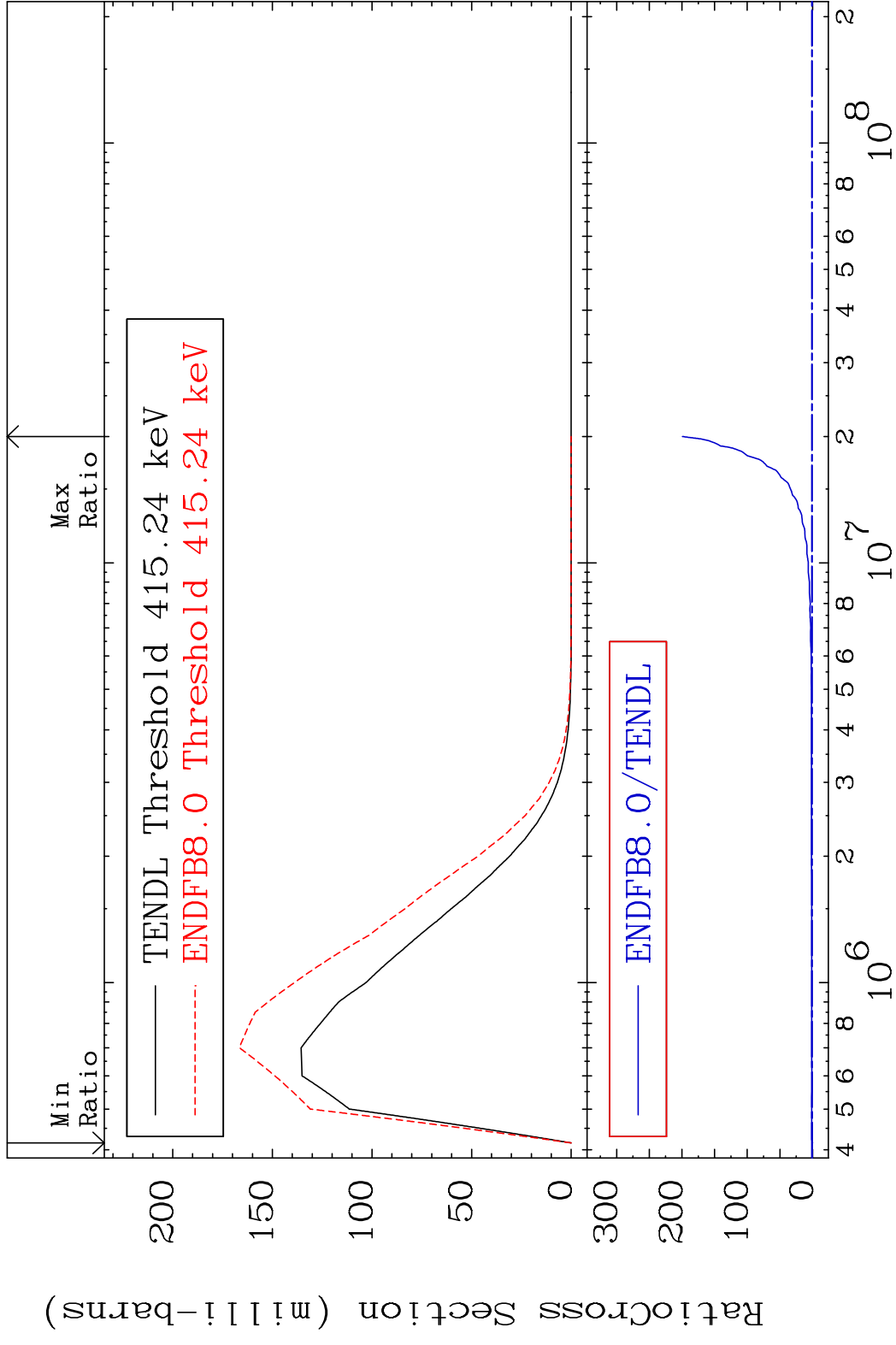


MAT 5434 MT= 56 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 10.60 %

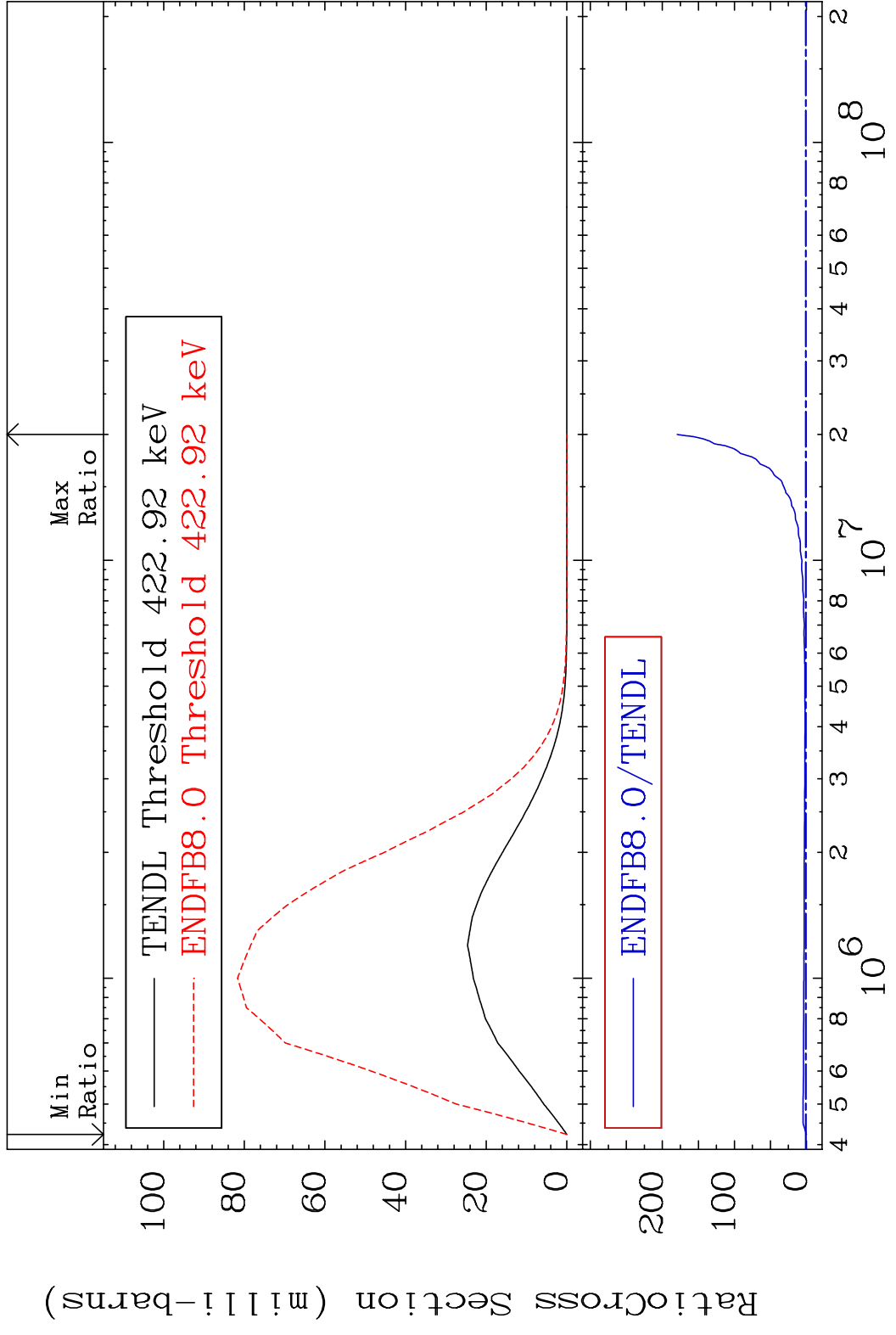


10 Incident Energy (eV) 54-Xe-127

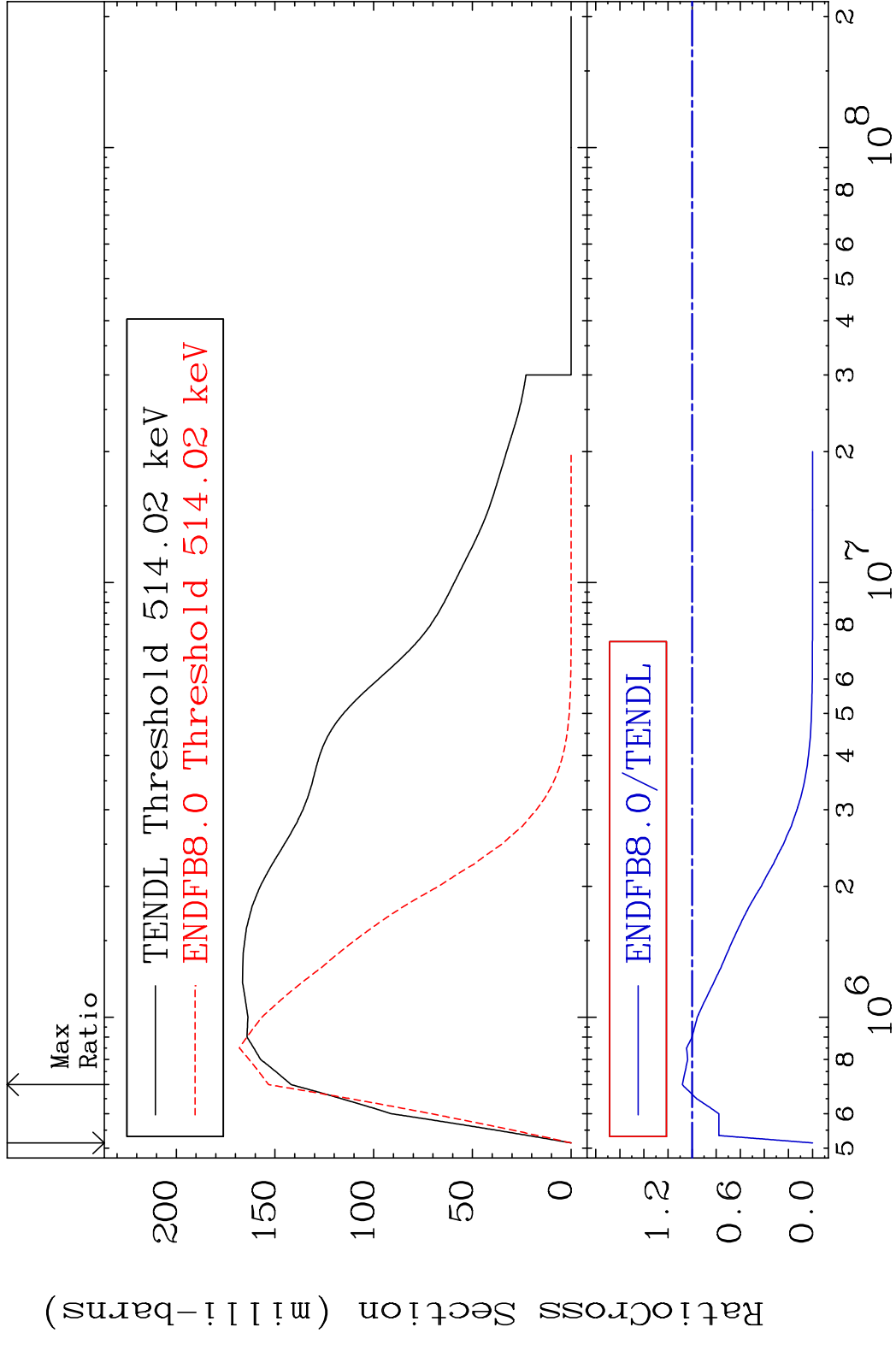
MAT 5434 MT= 57 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



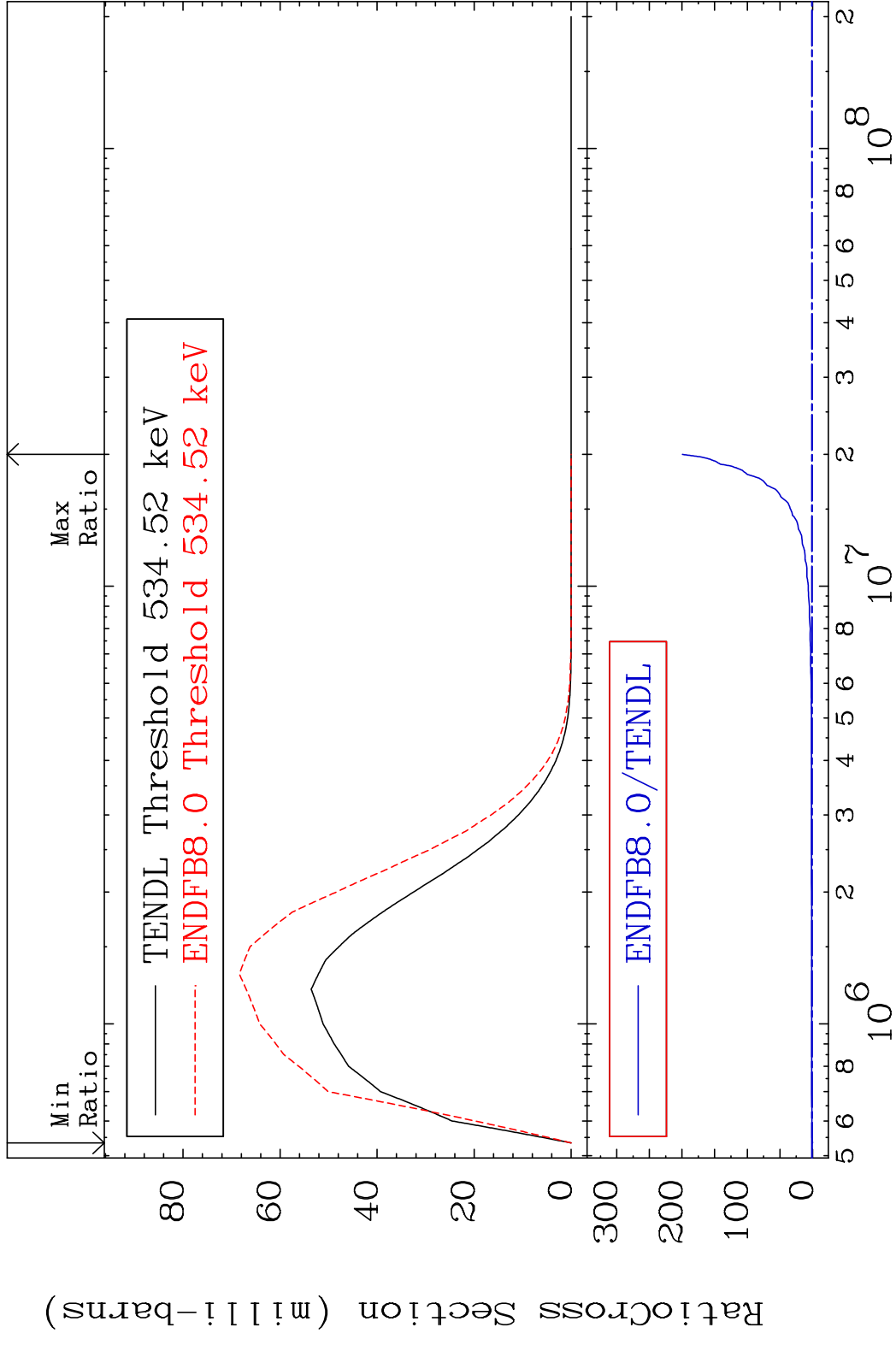
MAT 5434 MT= 58 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



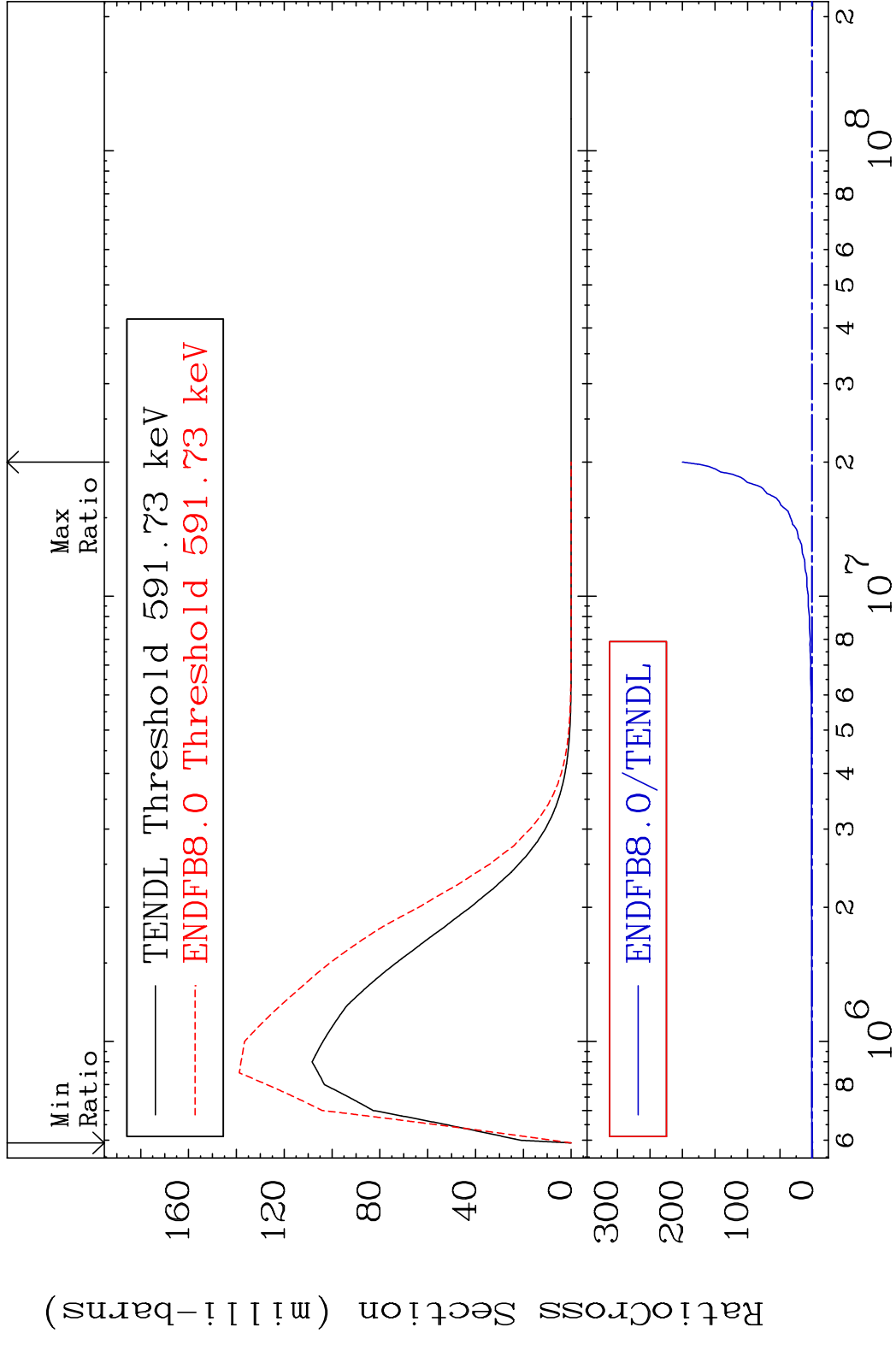
MAT 5434 MT= 59 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 8.079 %



MAT 5434 MT= 60 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %

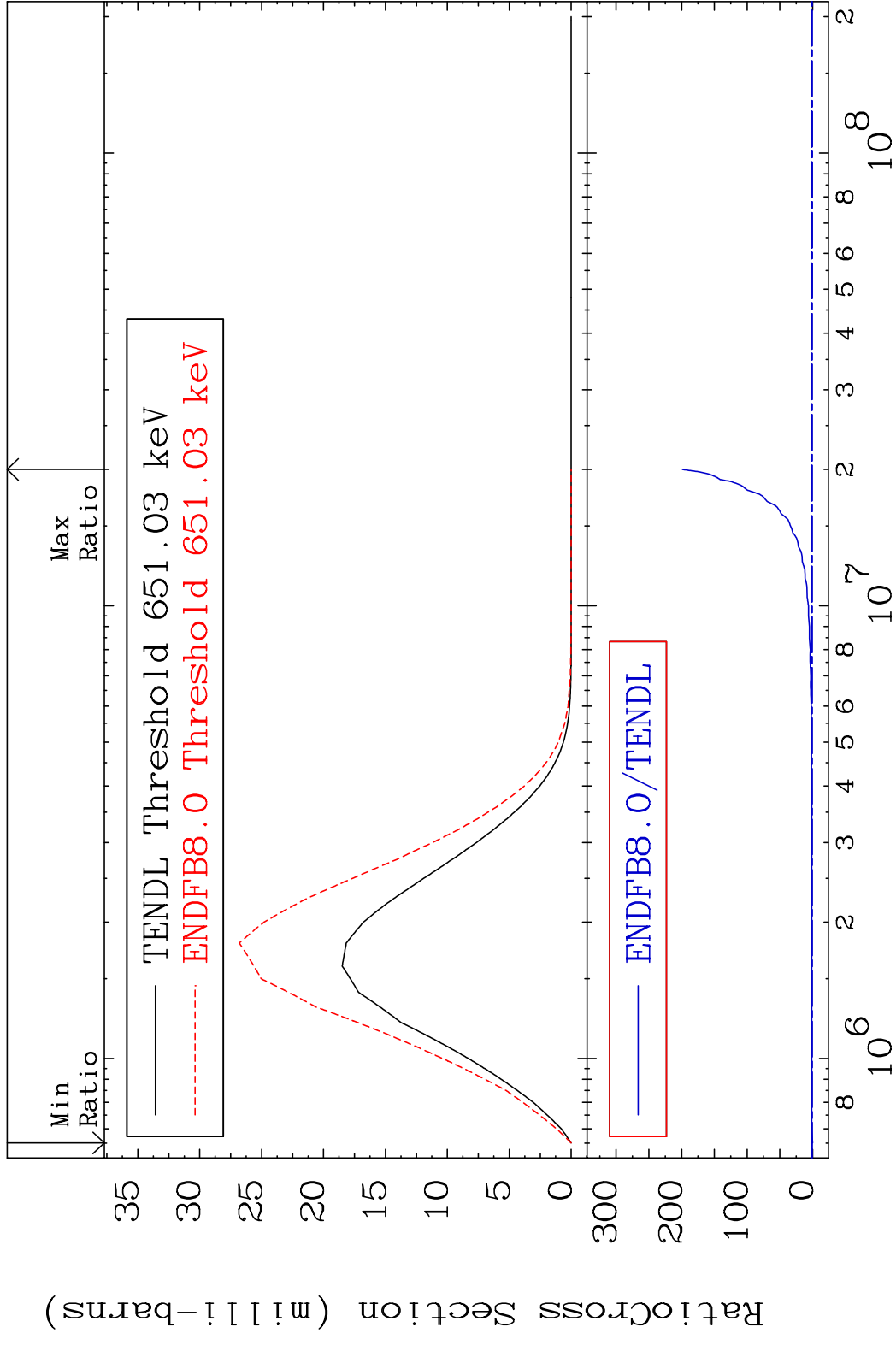


MAT 5434 MT= 61 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %

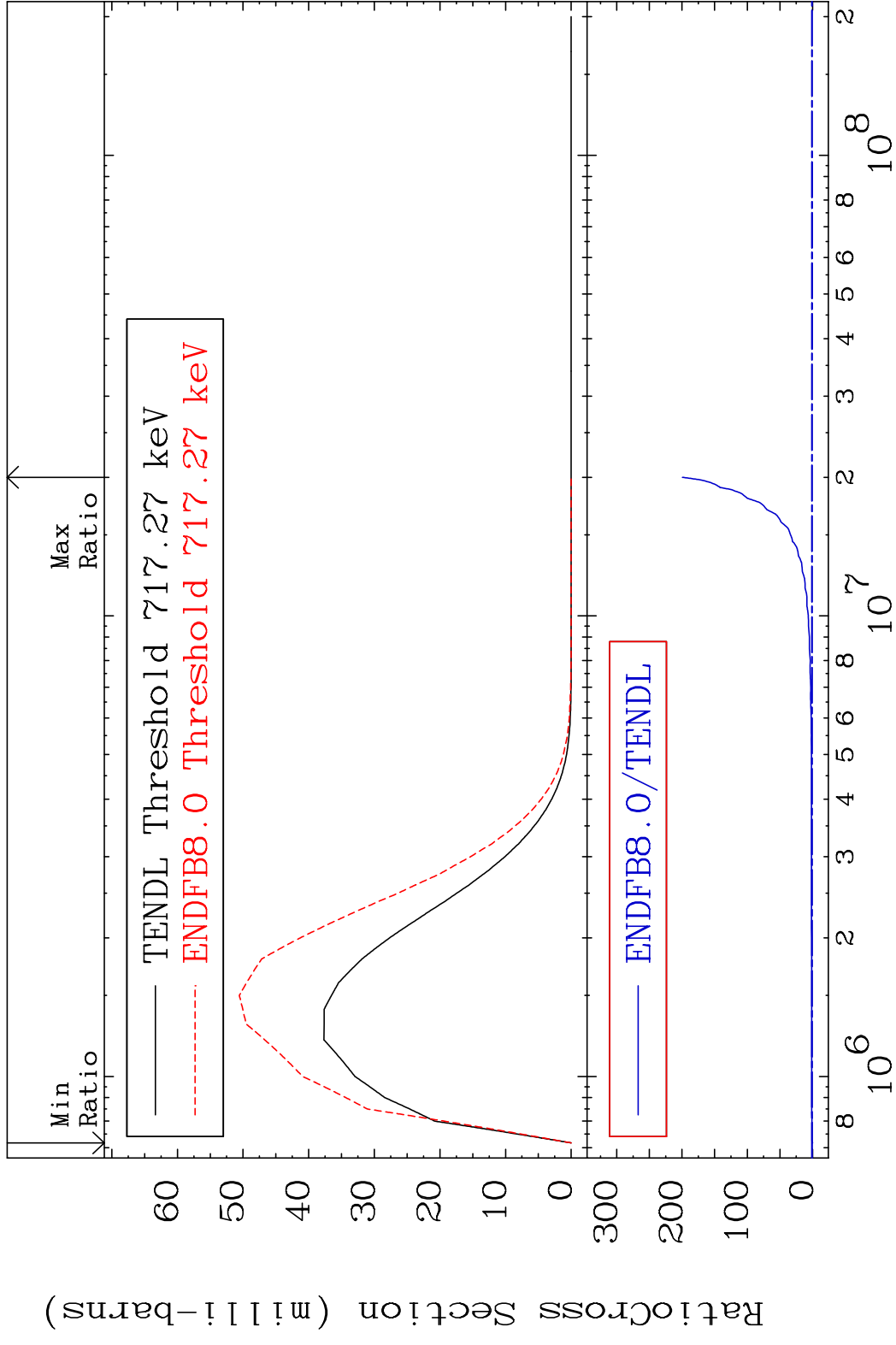


15 Incident Energy (eV) 54-Xe-127

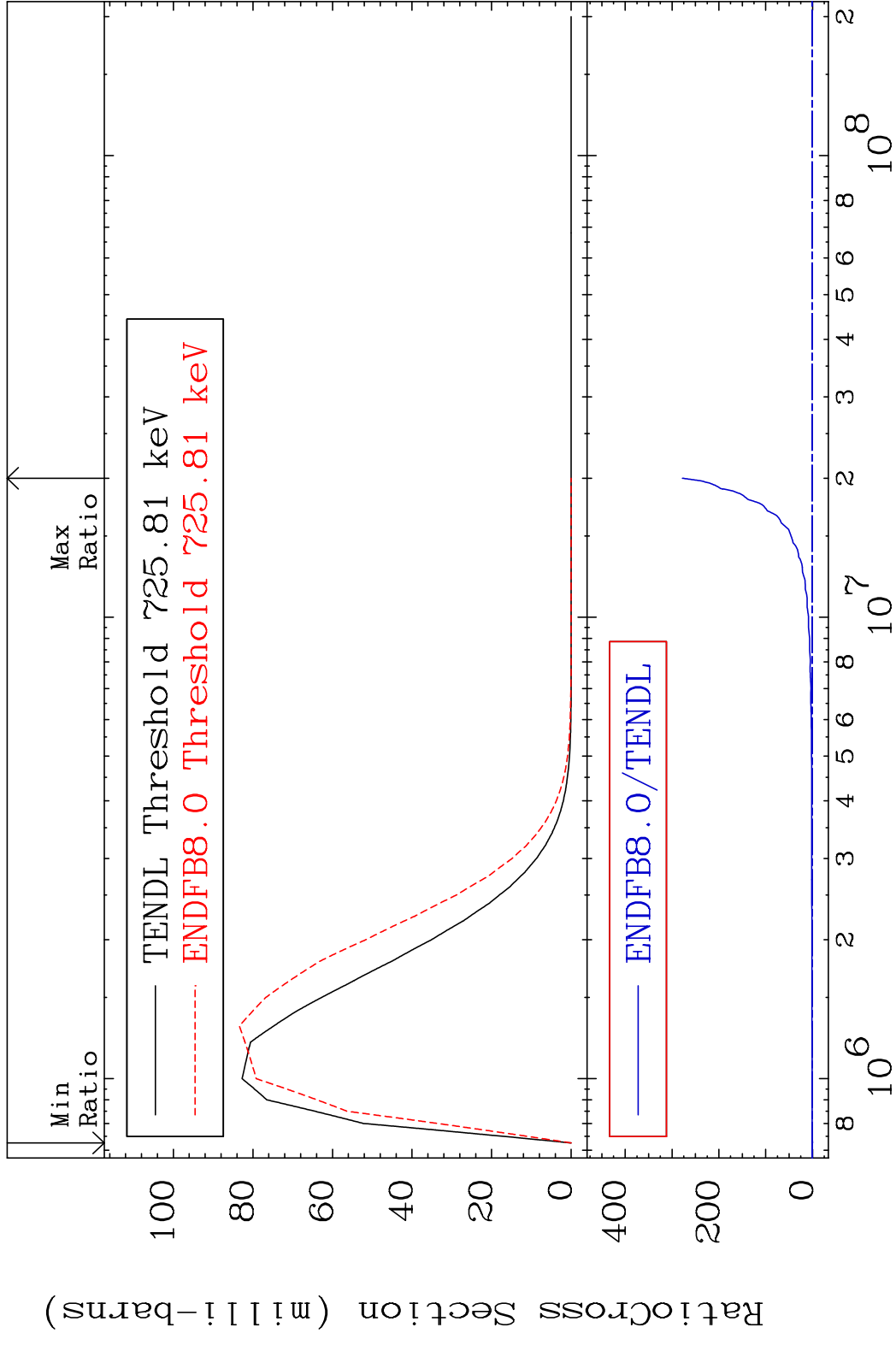
MAT 5434 MT= 62 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



MAT 5434 MT= 63 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %

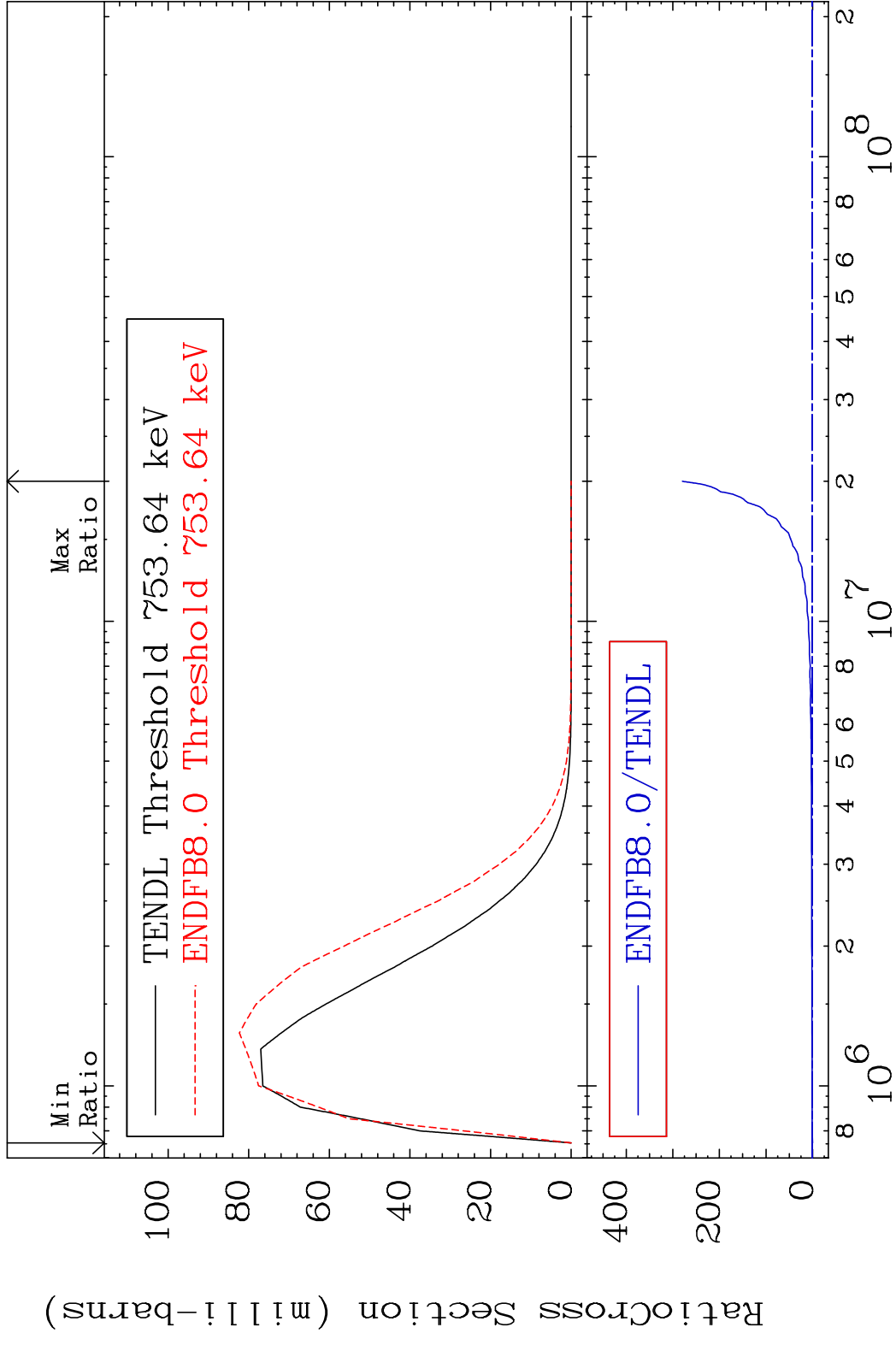


MAT 5434 MT= 64 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



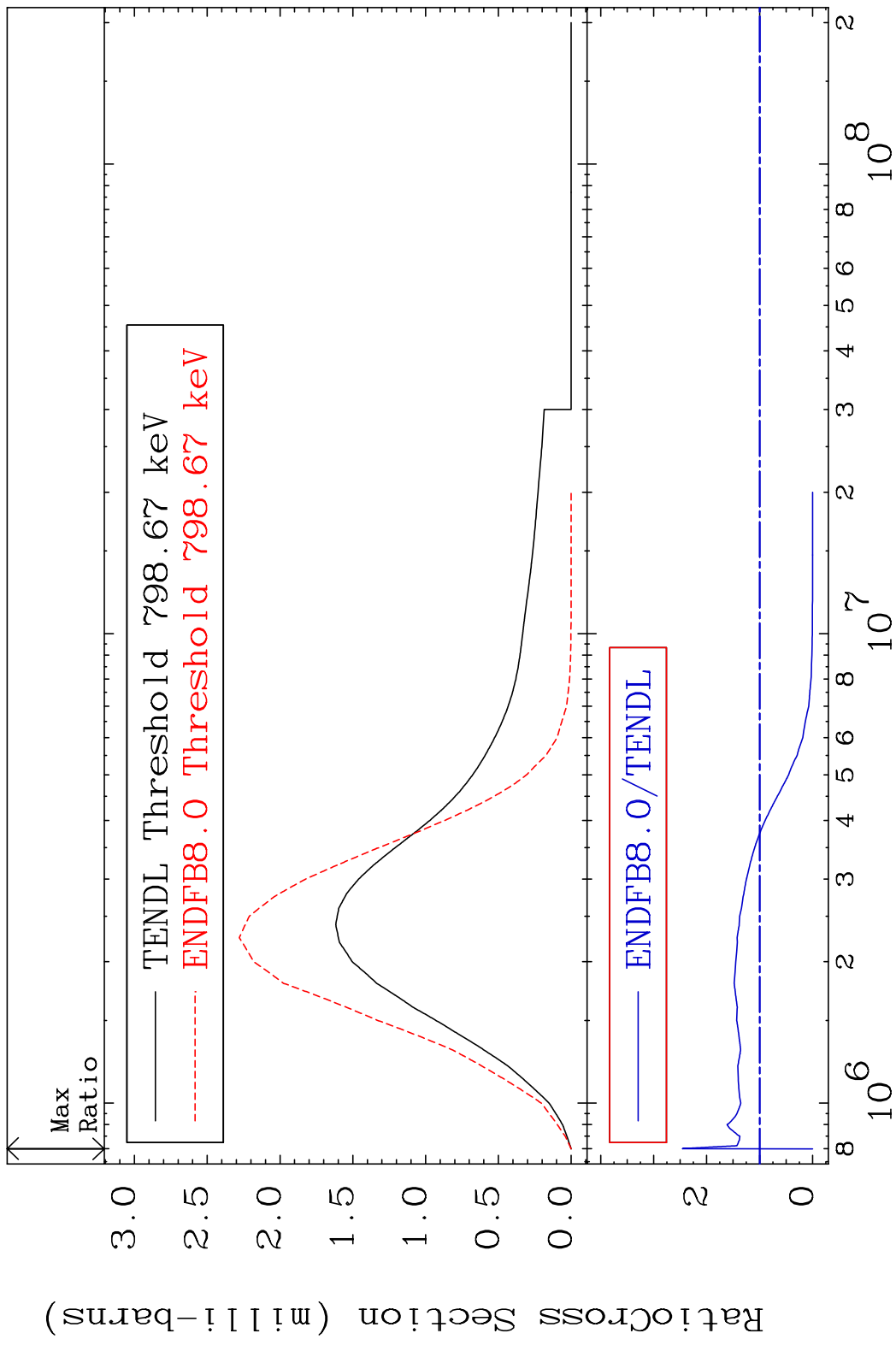
18 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 65 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



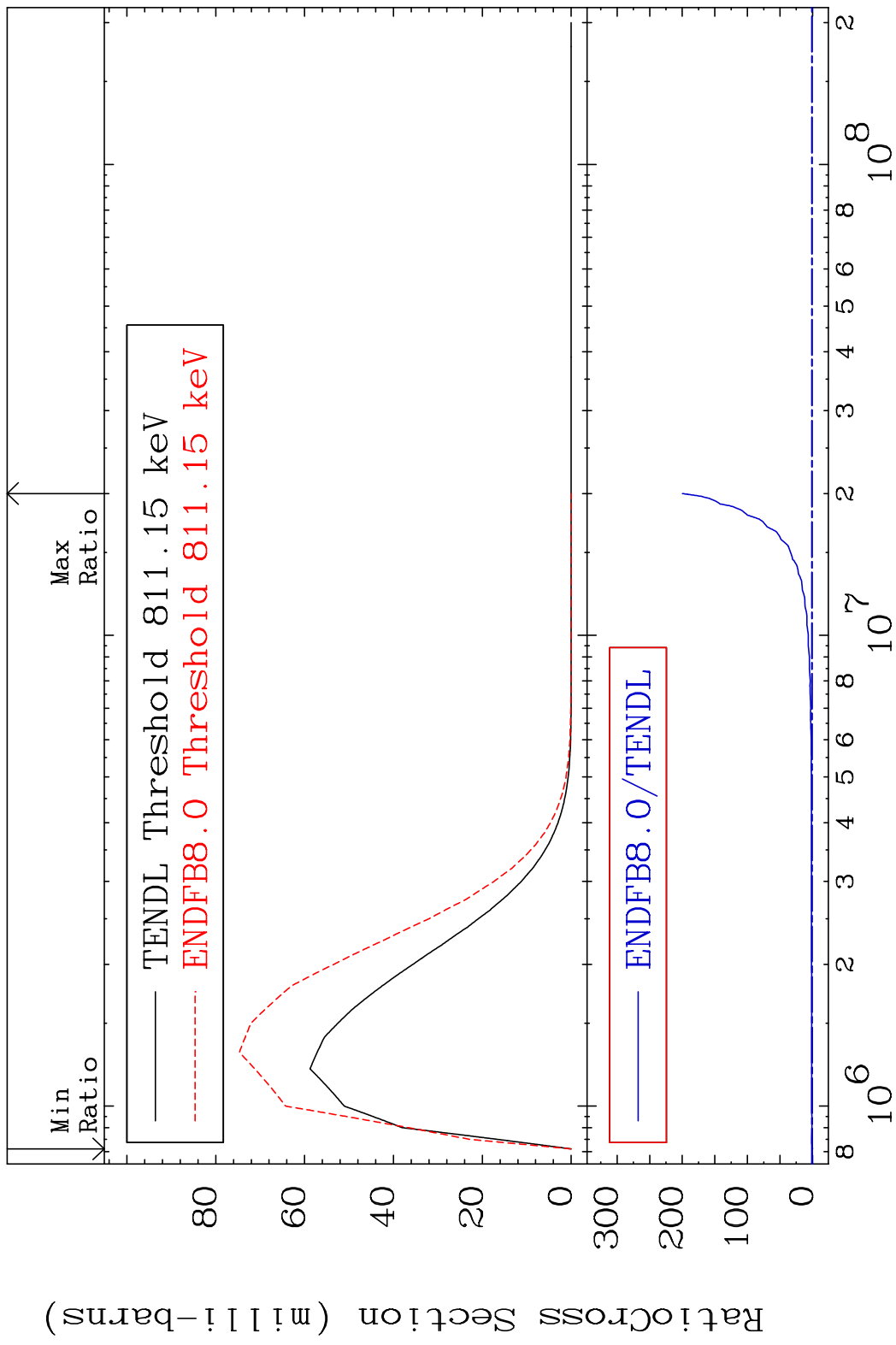
19 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 66 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 145.8 %

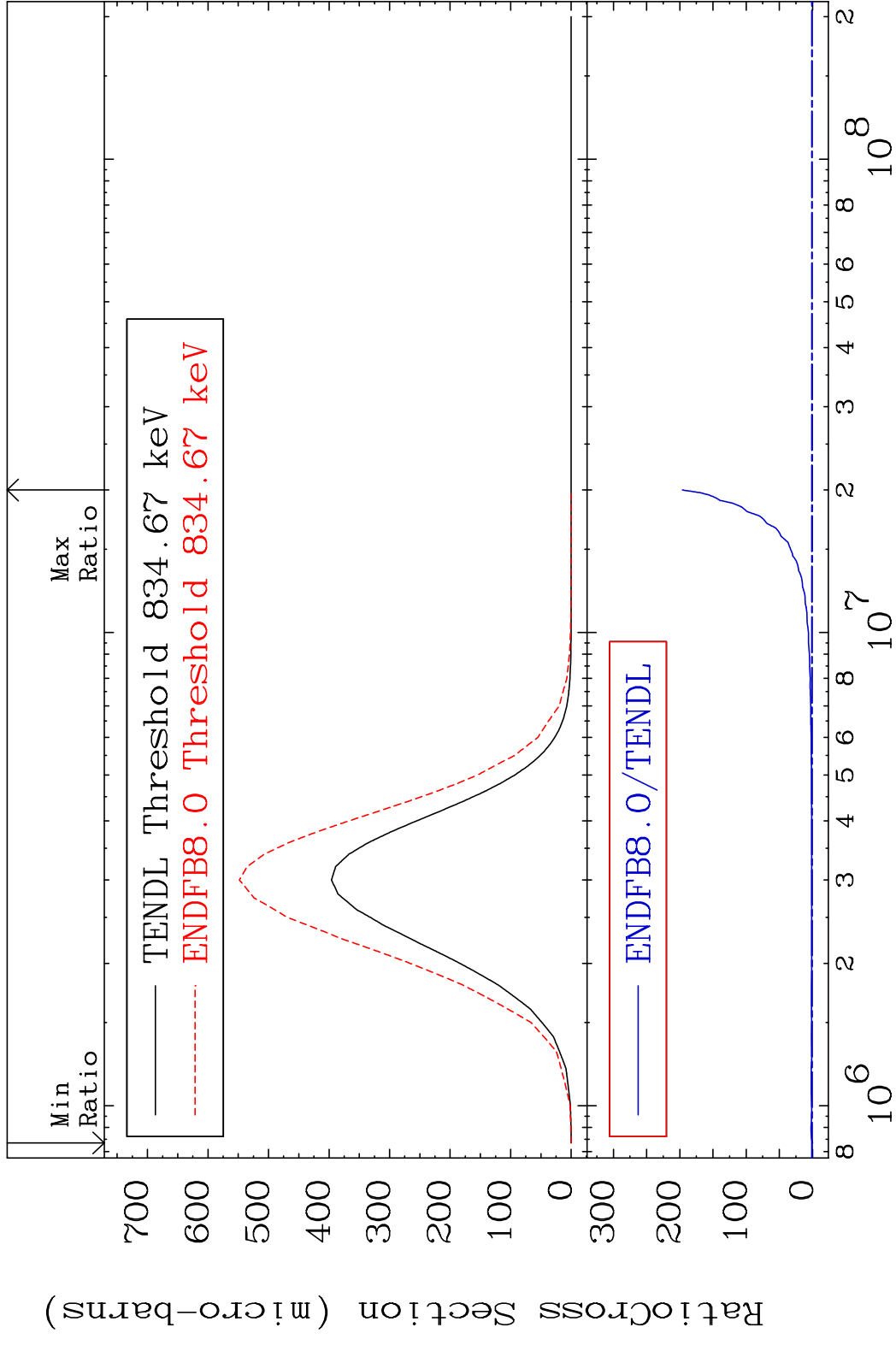


20 Incident Energy (eV) 54-Xe-127

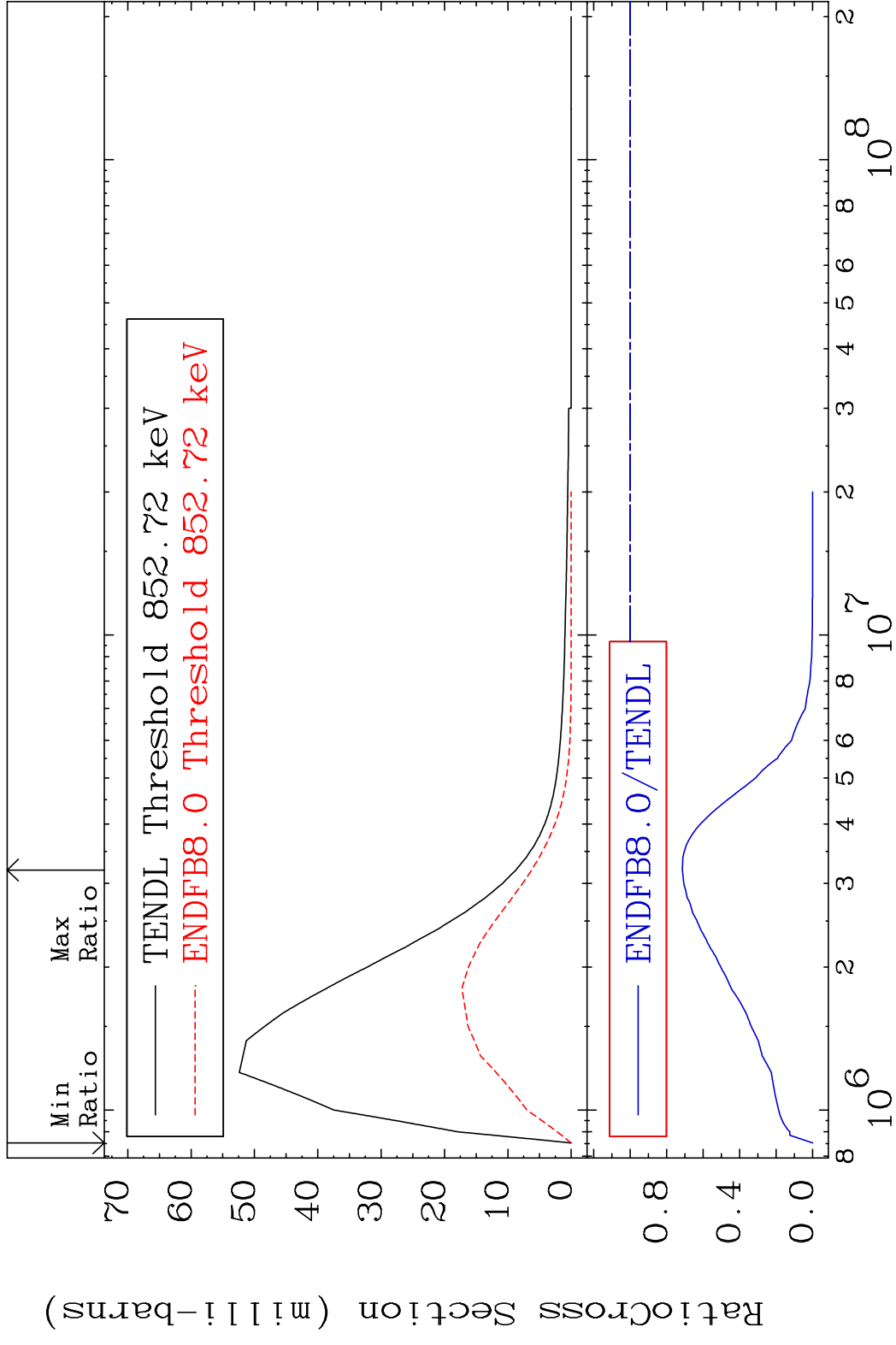
MAT 5434 MT= 67 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



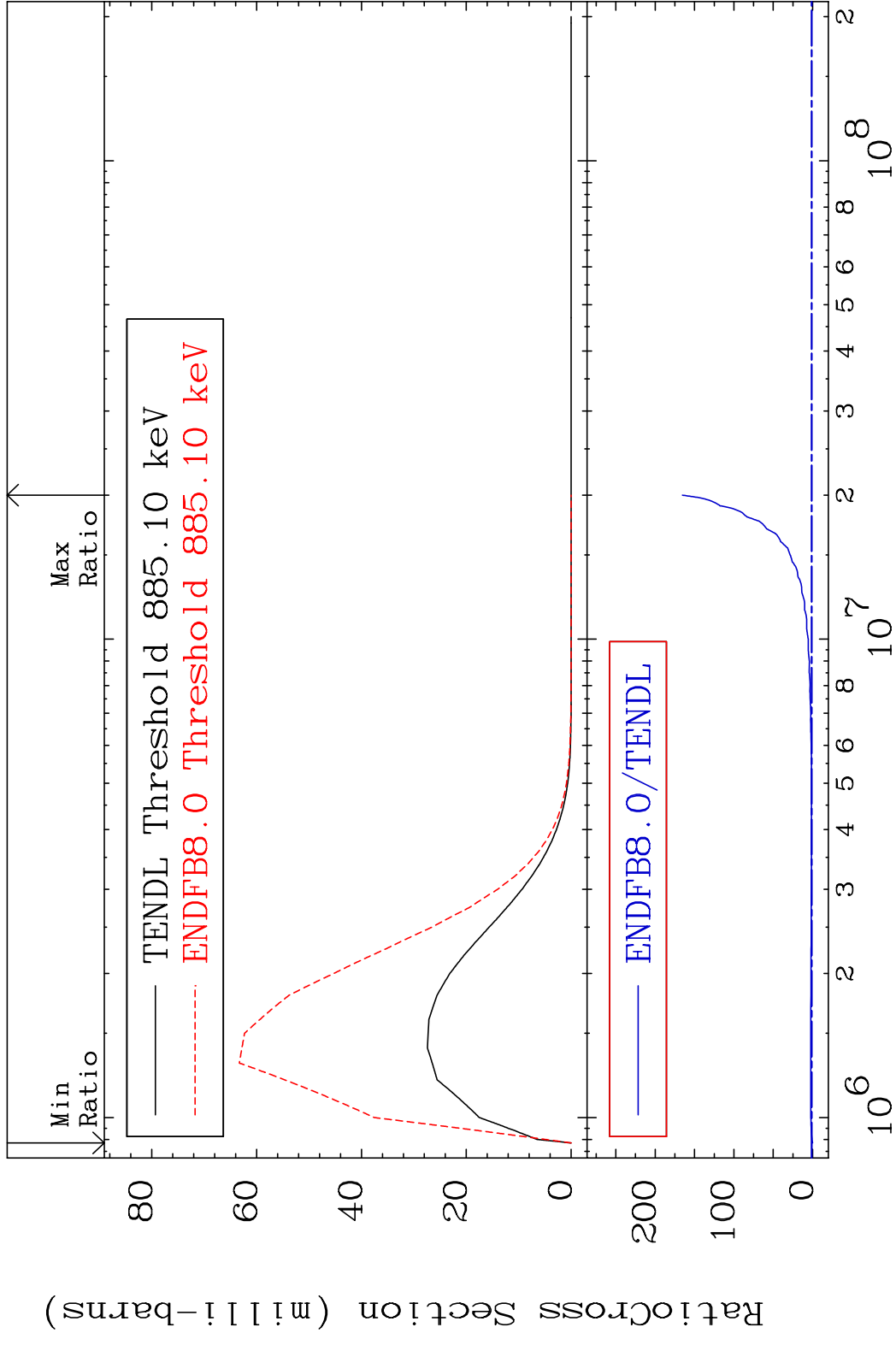
MAT 5434 MT= 68 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



MAT 5434 MT= 69 (n,n') Level 54-Xe-127
 Cross Section -100.0 To -28.59%

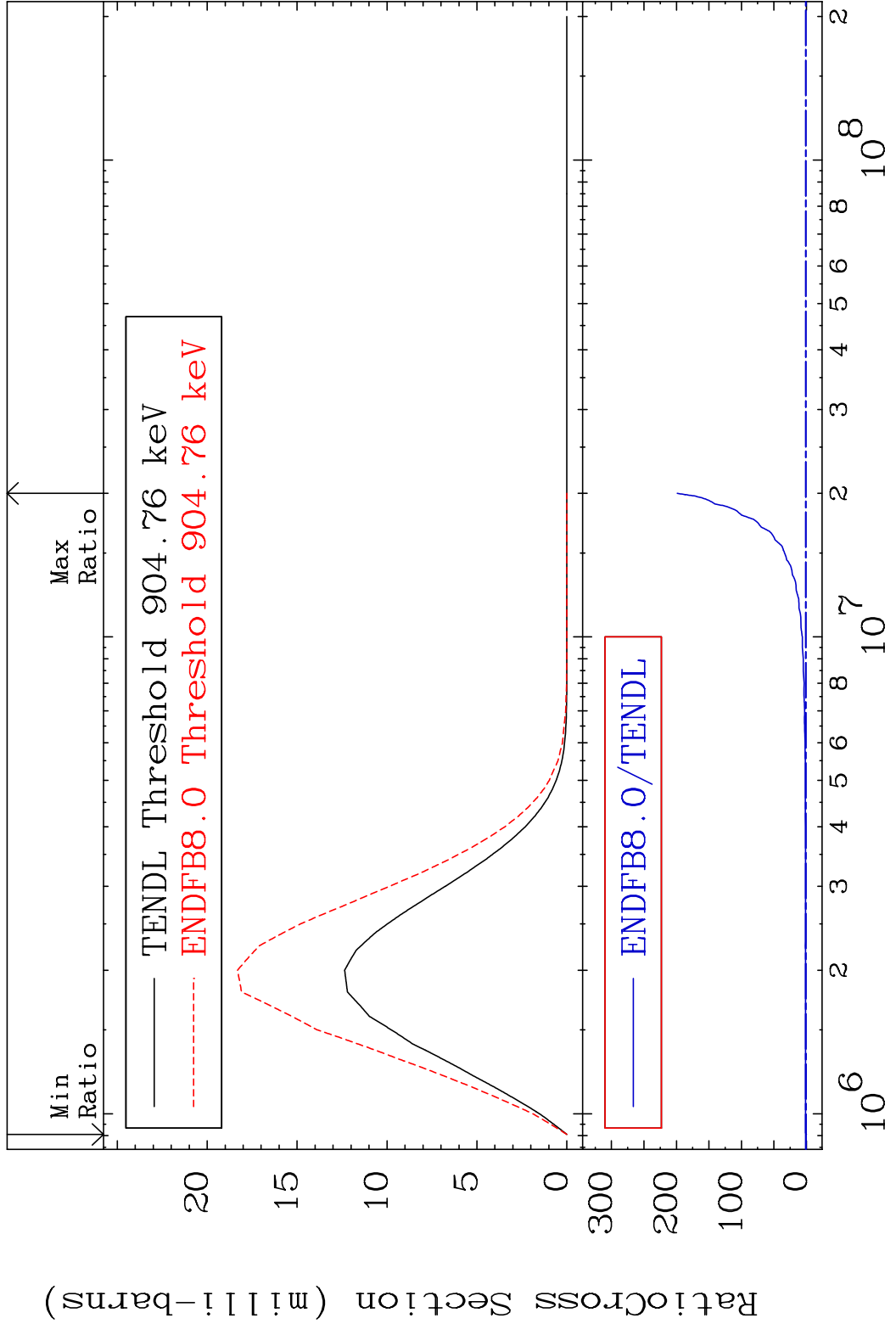


MAT 5434 MT= 70 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



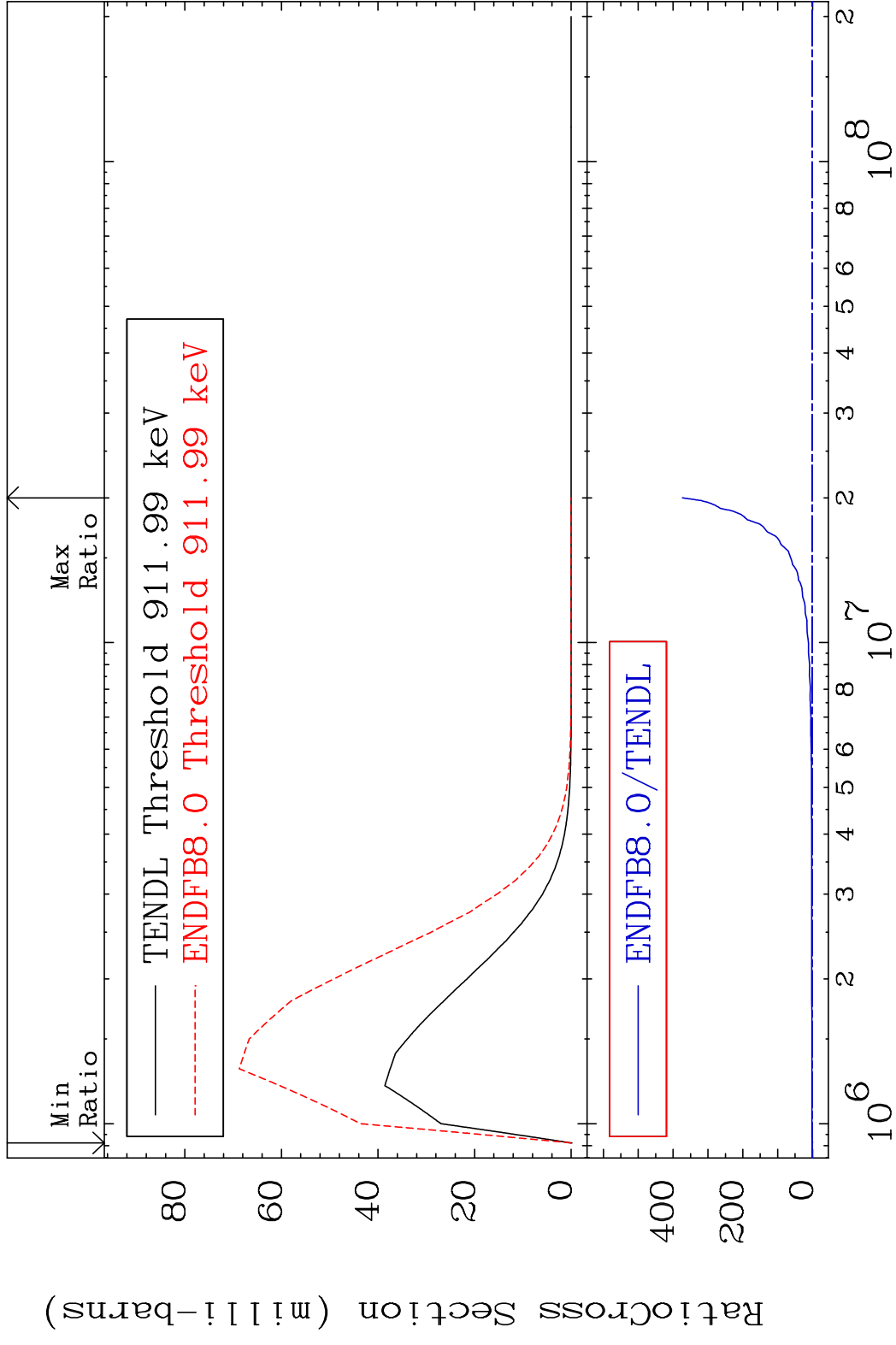
24 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 71 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



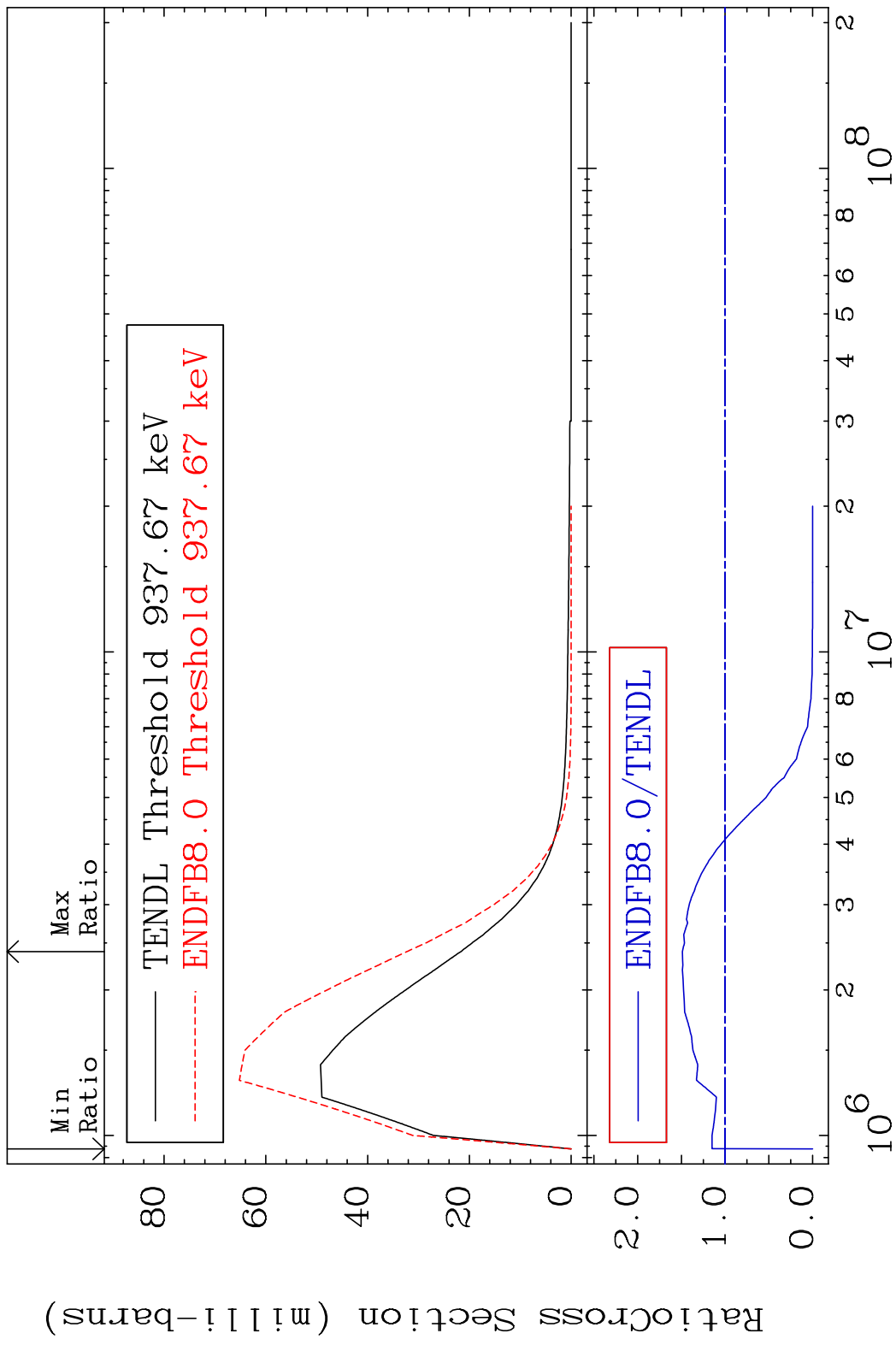
25 54-Xe-127

MAT 5434 MT= 72 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %



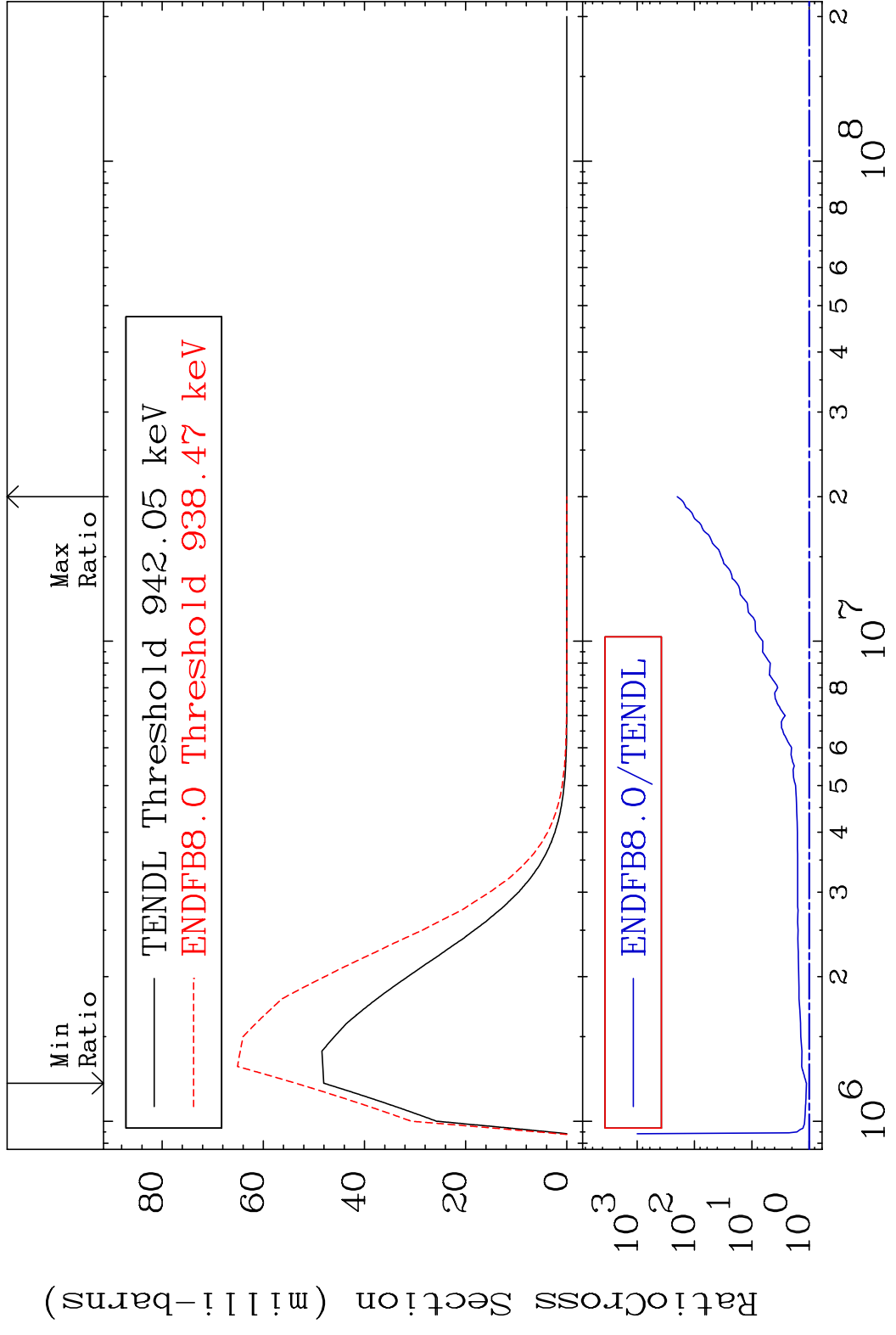
26 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 73 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 48.93 %



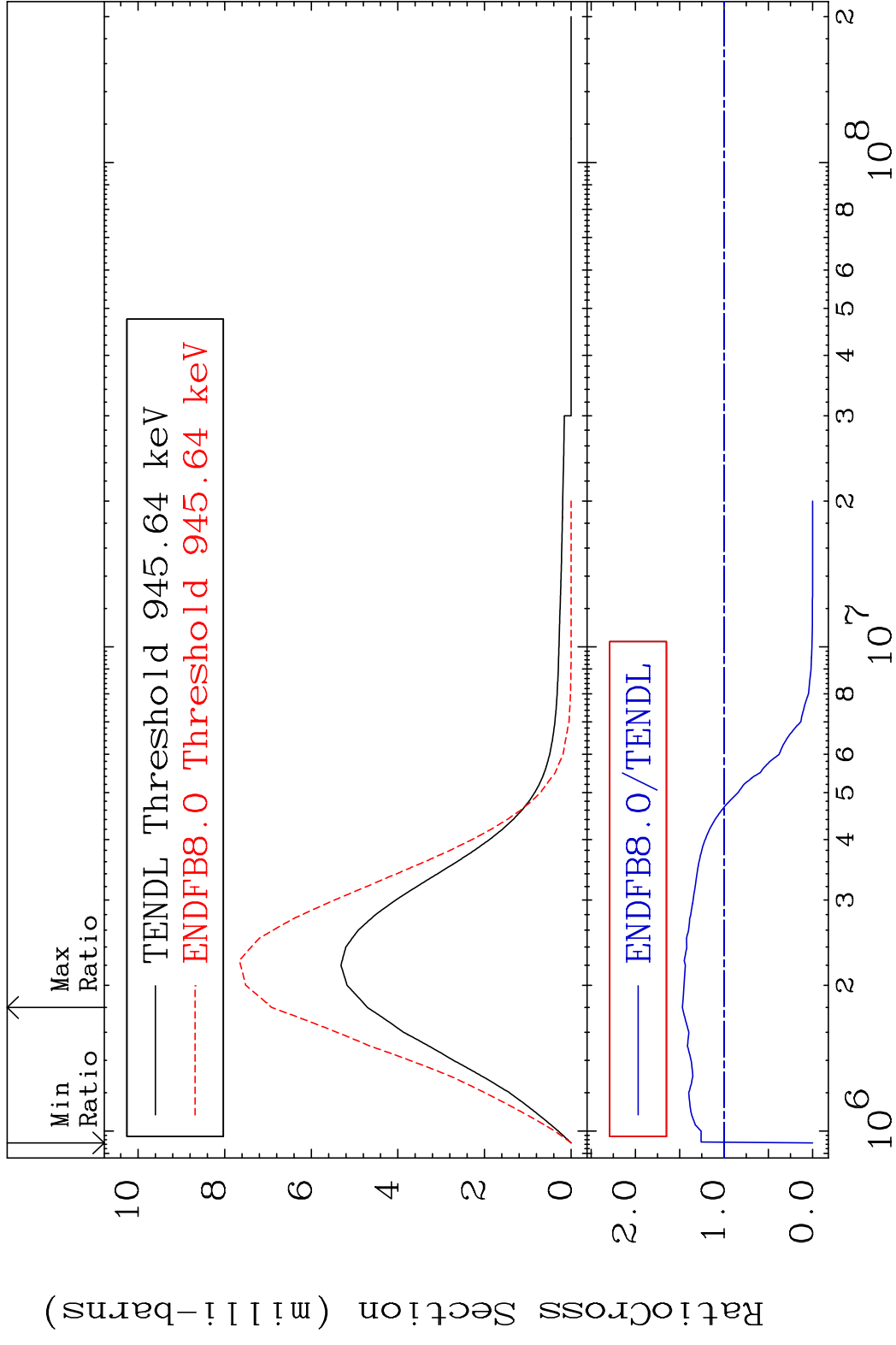
27 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 74 (n, n') Level 54-Xe-127
 Cross Section 11.60 To 9999. %



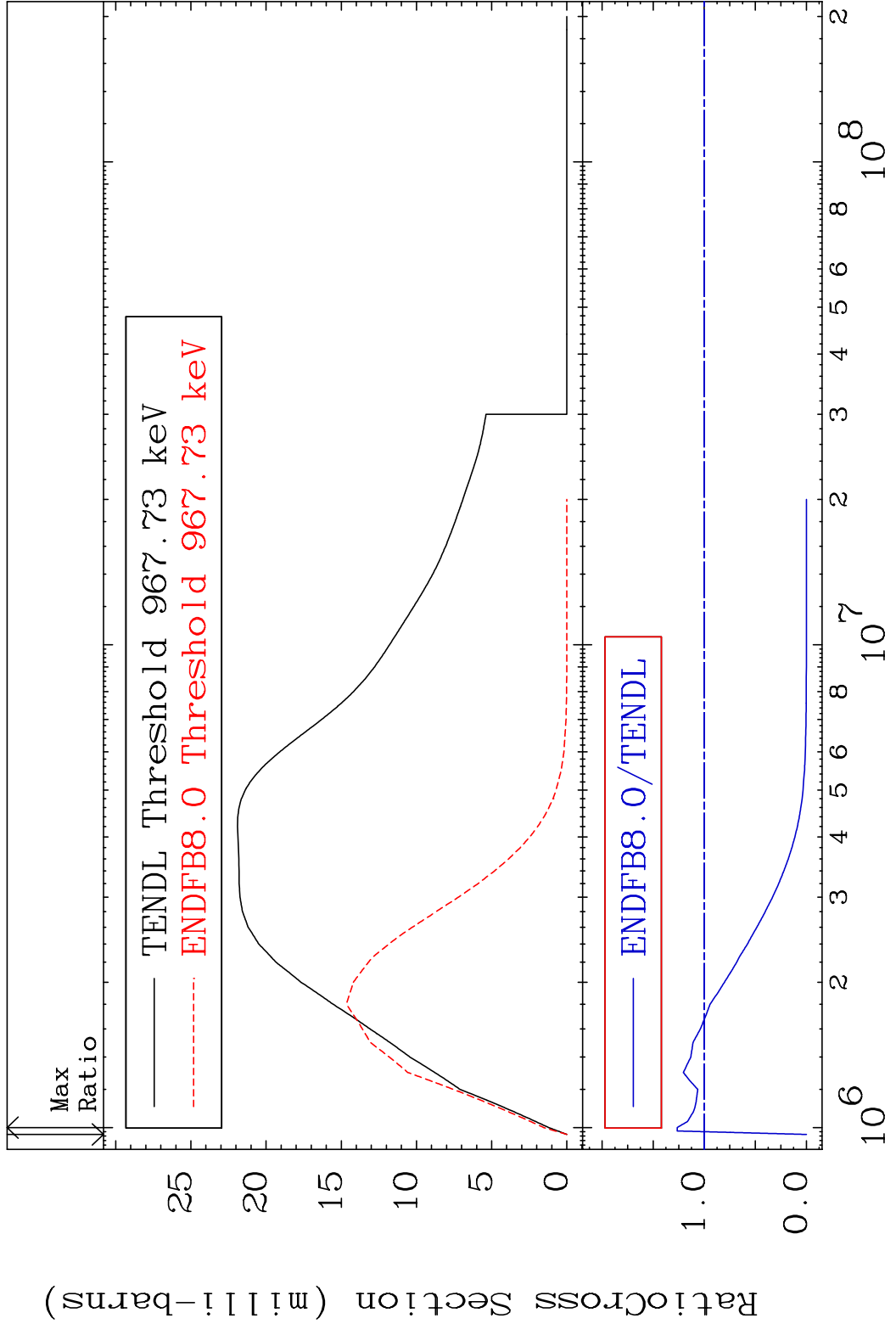
28 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 75 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 47.05 %



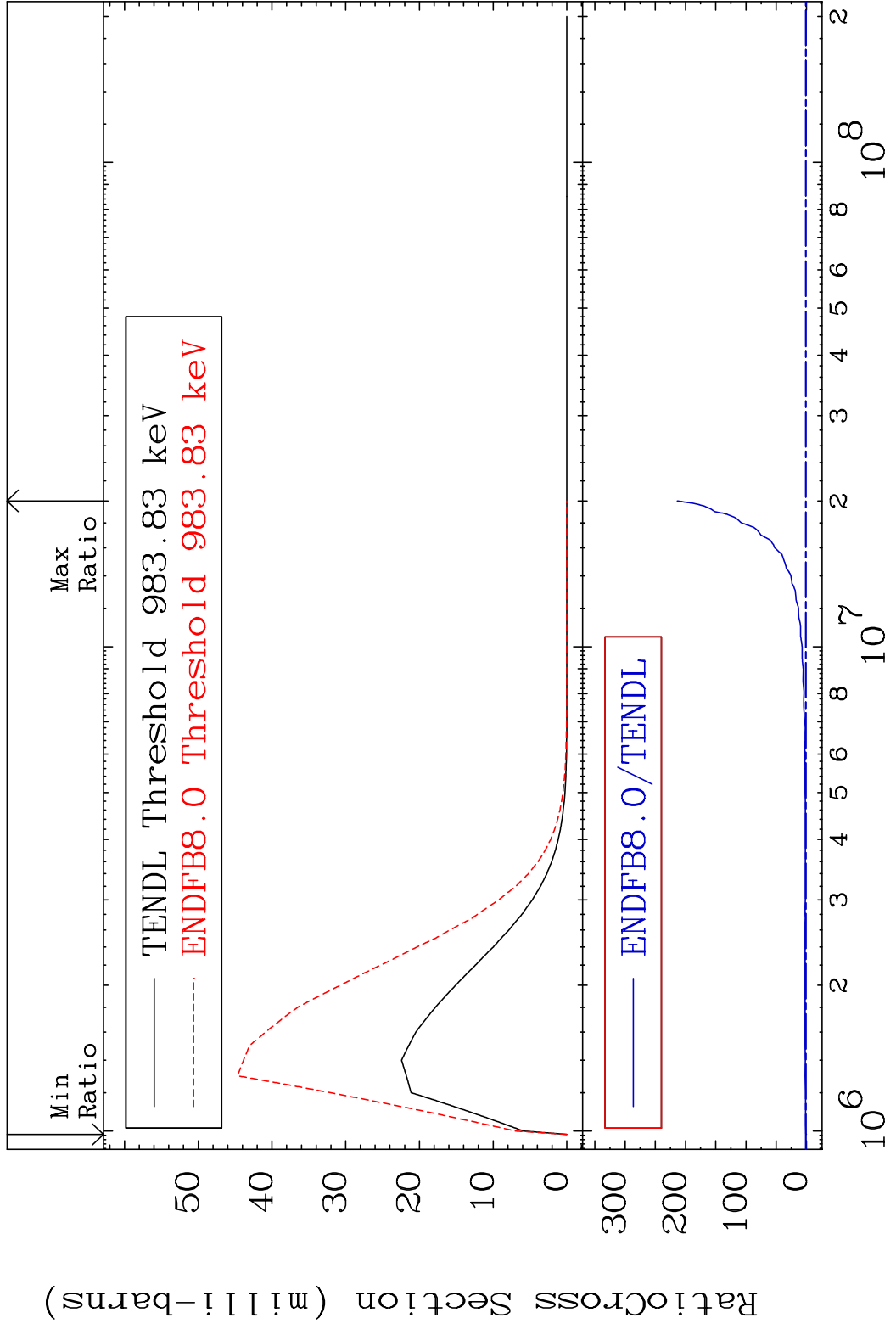
29 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 76 (n,n') Level 54-Xe-127
 Cross Section -100.0 To 26.51 %

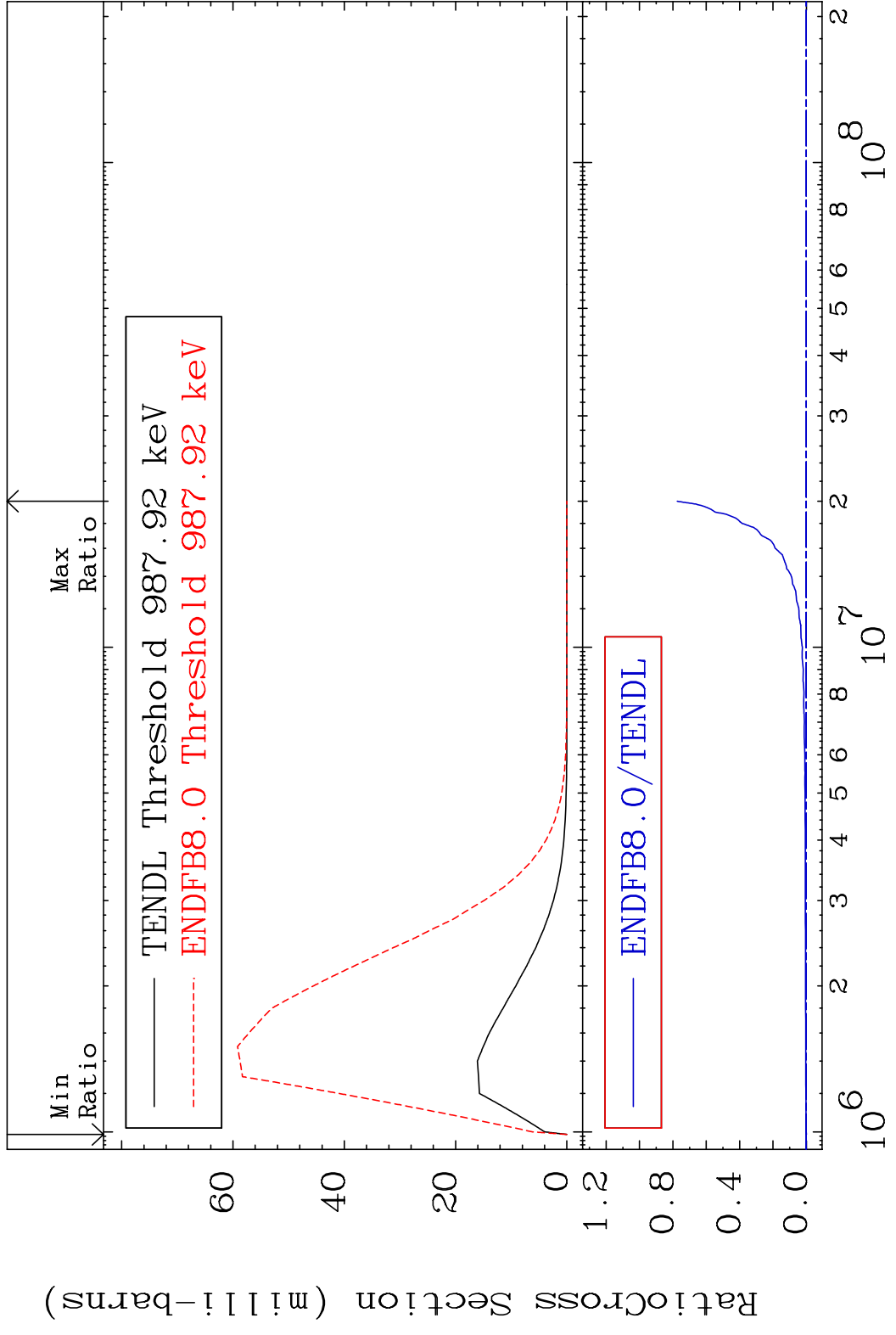


30 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 77 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %

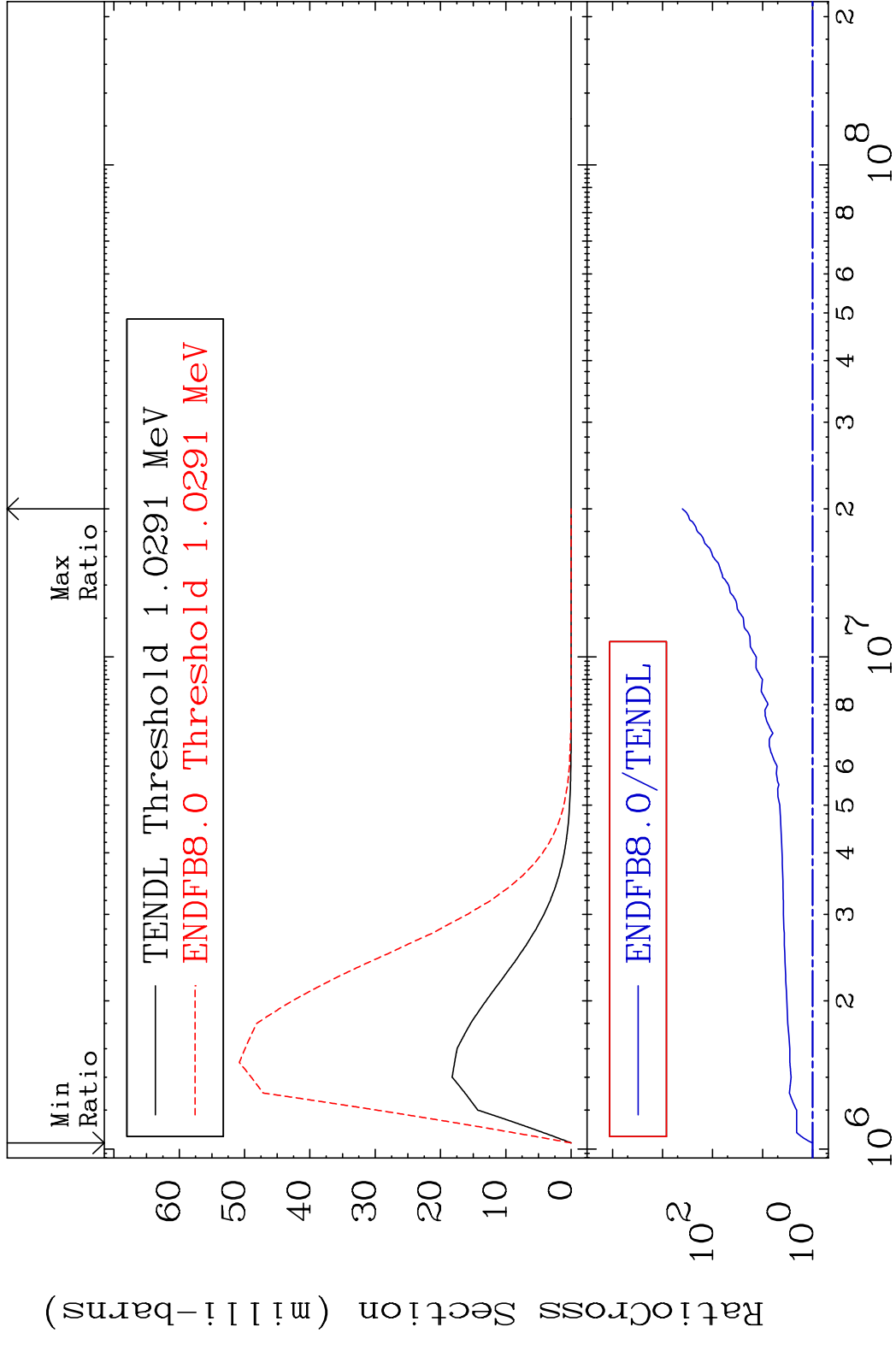


MAT 5434 MT= 78 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 9999. %

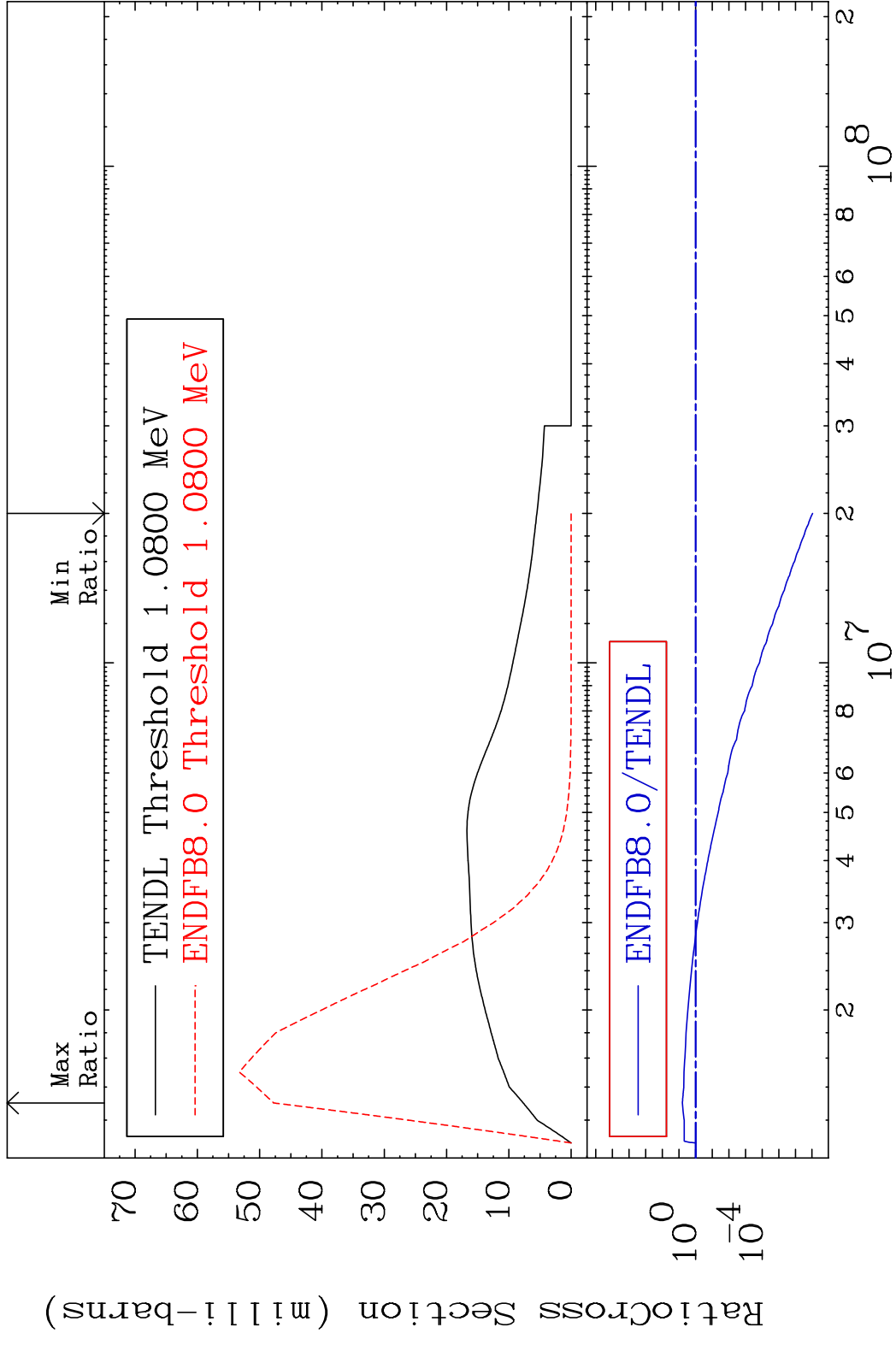


32 Incident Energy (eV) 54-Xe-127

MAT 5434 MT= 79 (n, n') Level 54-Xe-127
 Cross Section 0.000 To 9999. %



MAT 5434 MT= 80 (n, n') Level 54-Xe-127
 Cross Section -100.0 To 520.2 %

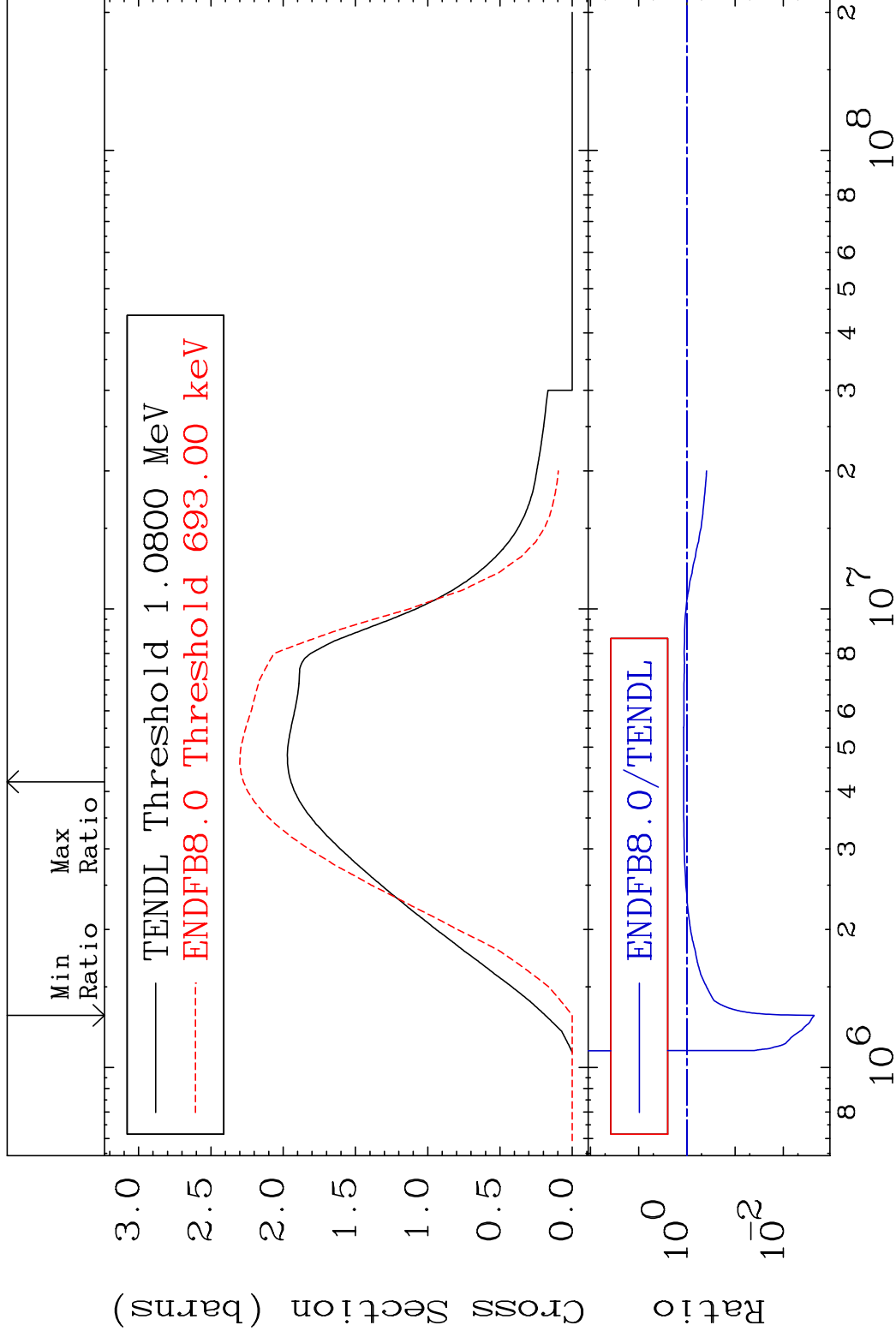


MAT 5434

(n,n') Continuum

54-Xe-127

Cross Section -99.777 To 16.87 %



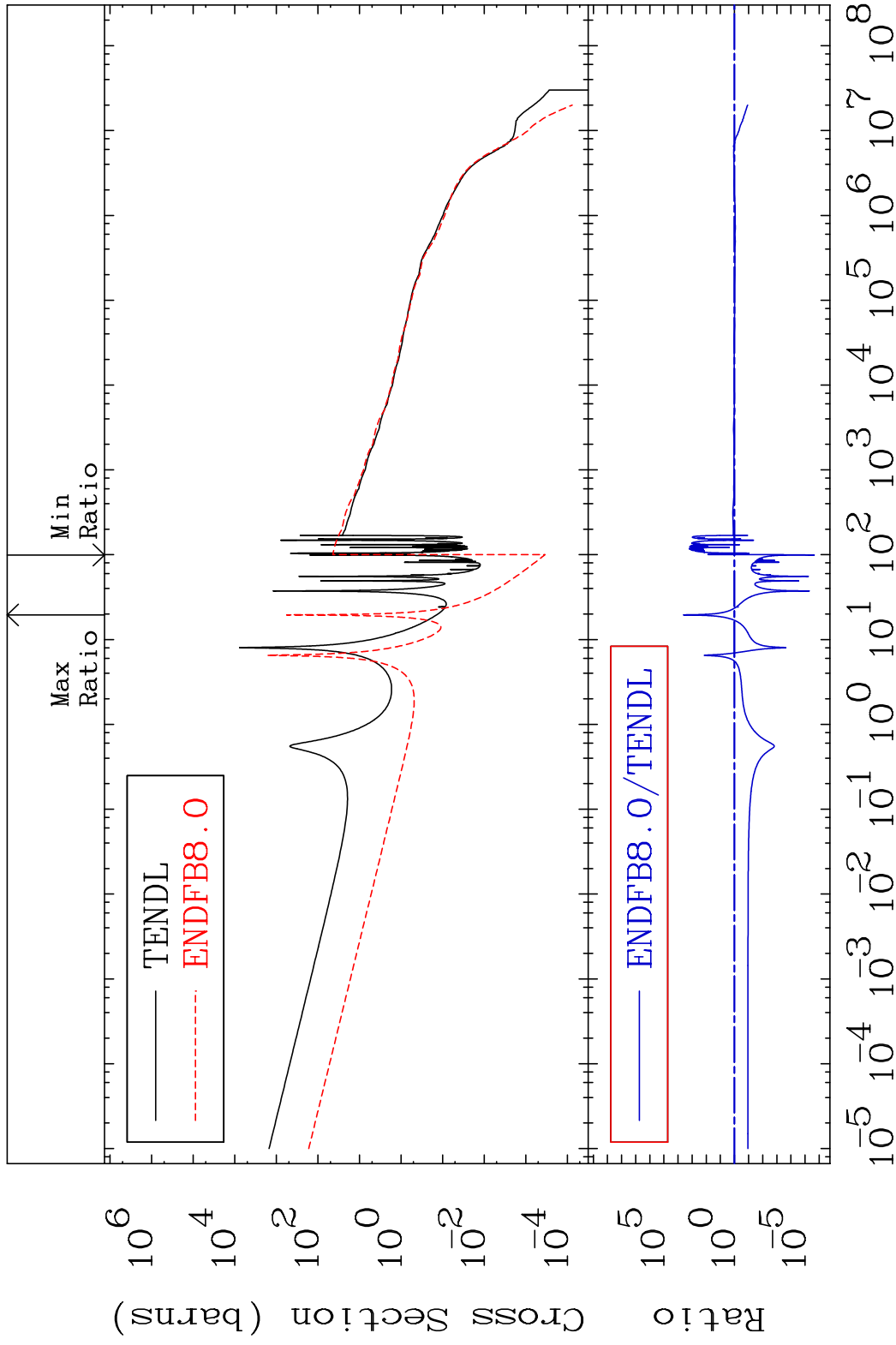
35

Incident Energy (eV)

54-Xe-127

MAT 5434

(n, γ)
Cross Section -100.0 To 9999. %
54-Xe-127



36

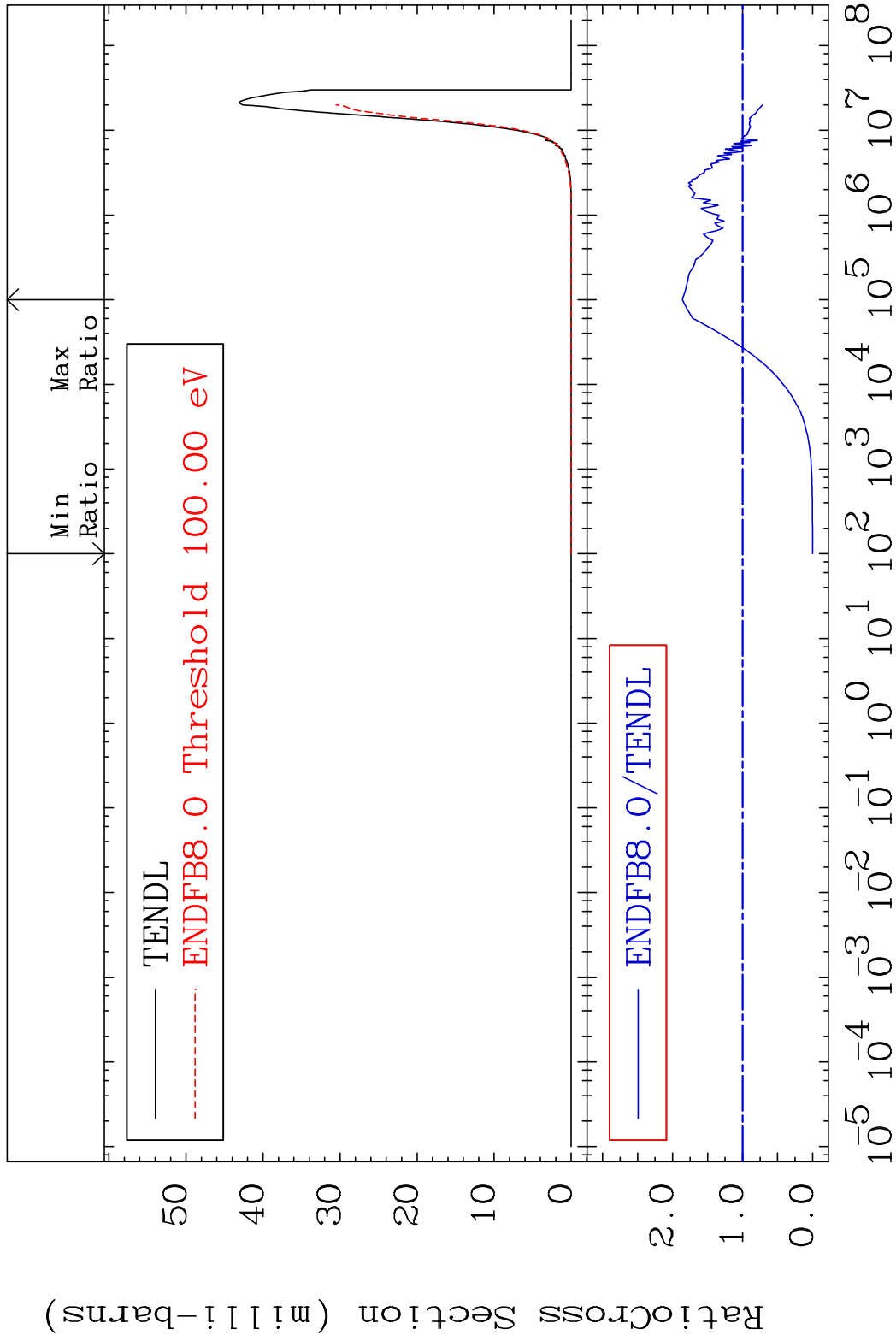
Incident Energy (eV) 54-Xe-127

MAT 5434

(n, p)

54-Xe-127

Cross Section -100.0 To 86.09 %



37

Incident Energy (eV)

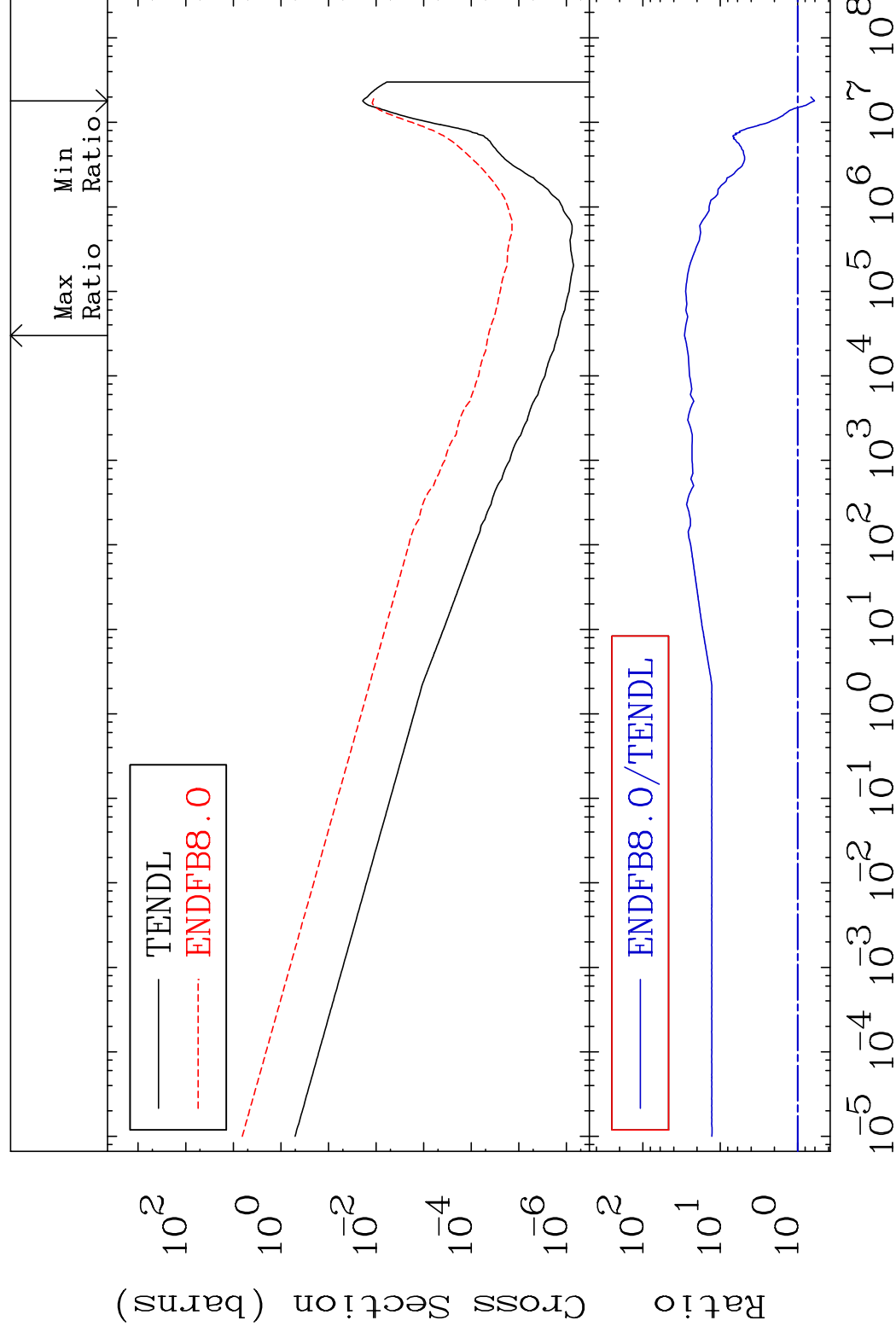
54-Xe-127

MAT 5434

(n, α)

54-Xe-127

Cross Section -39.20 To 2807. %



38

Incident Energy (eV)

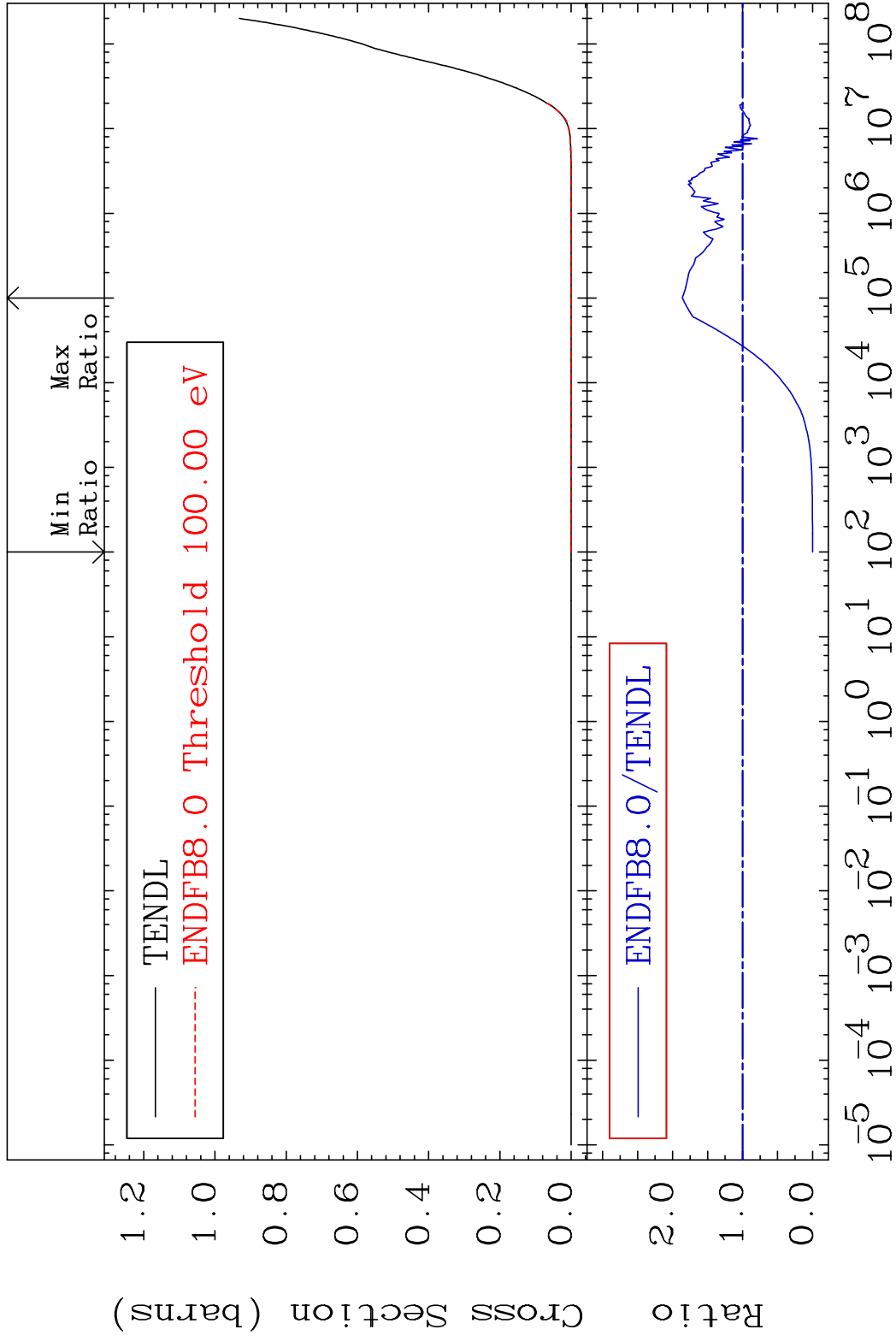
54-Xe-127

MAT 5434

Hydrogen Production

54-Xe-127

Cross Section -100.0 To 86.09 %



39

Incident Energy (eV)

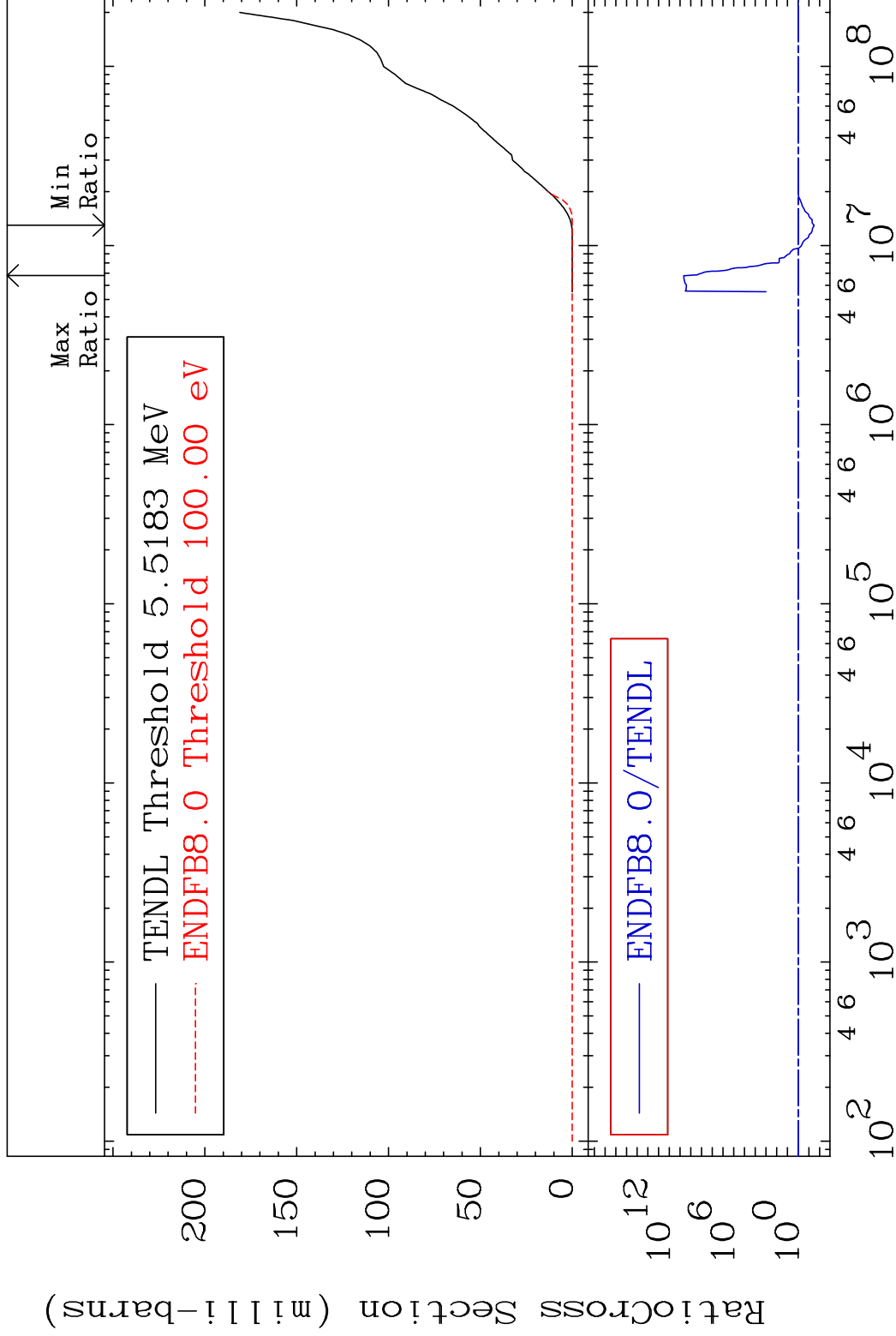
54-Xe-127

MAT 5434

Deuterium Production

54-Xe-127

Cross Section -96.77 To 9999. %



40

Incident Energy (eV)

54-Xe-127

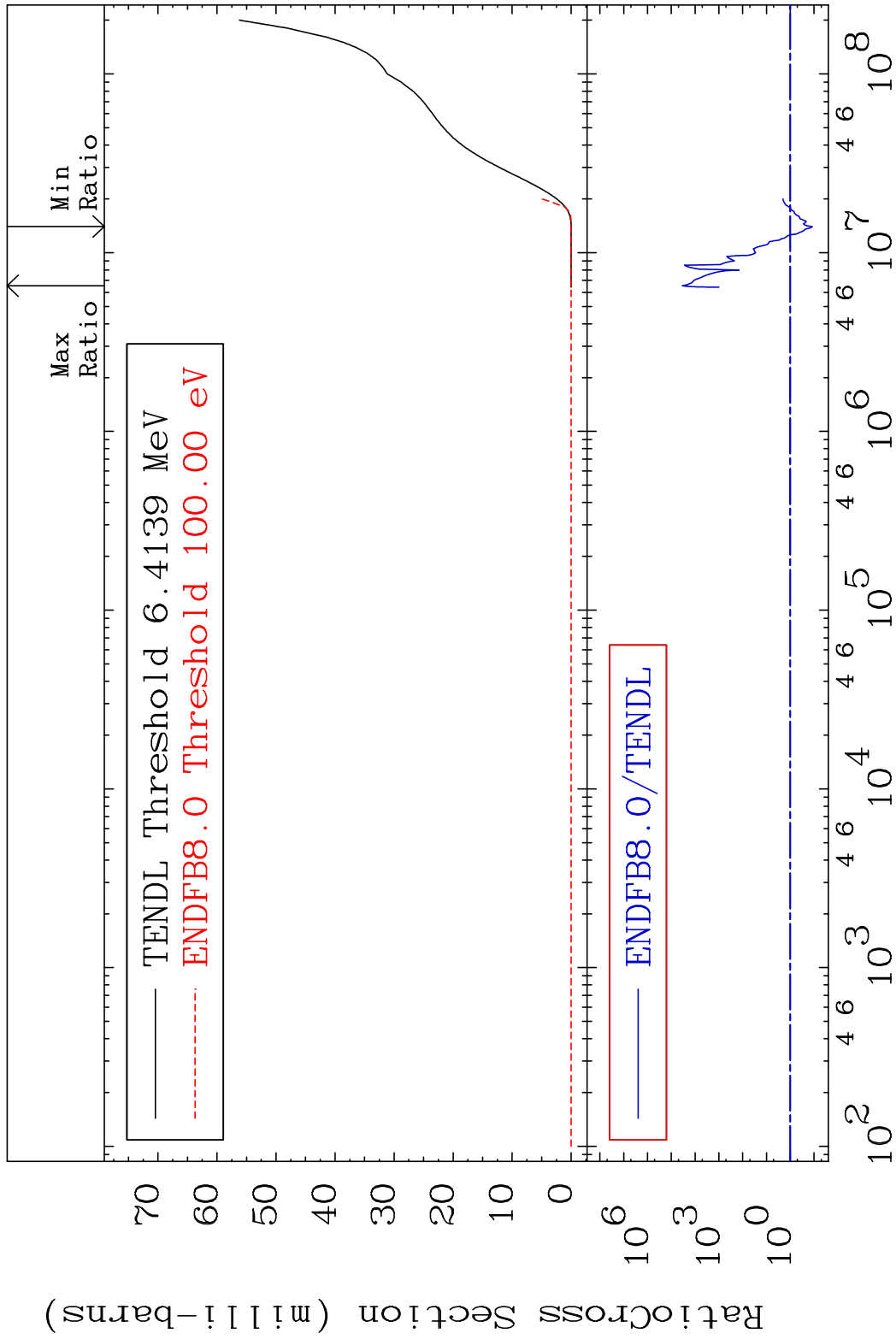
MAT 5434

Tritium Production

54-Xe-127

Cross Section

-88.42 To 9999. %



41

Incident Energy (eV)

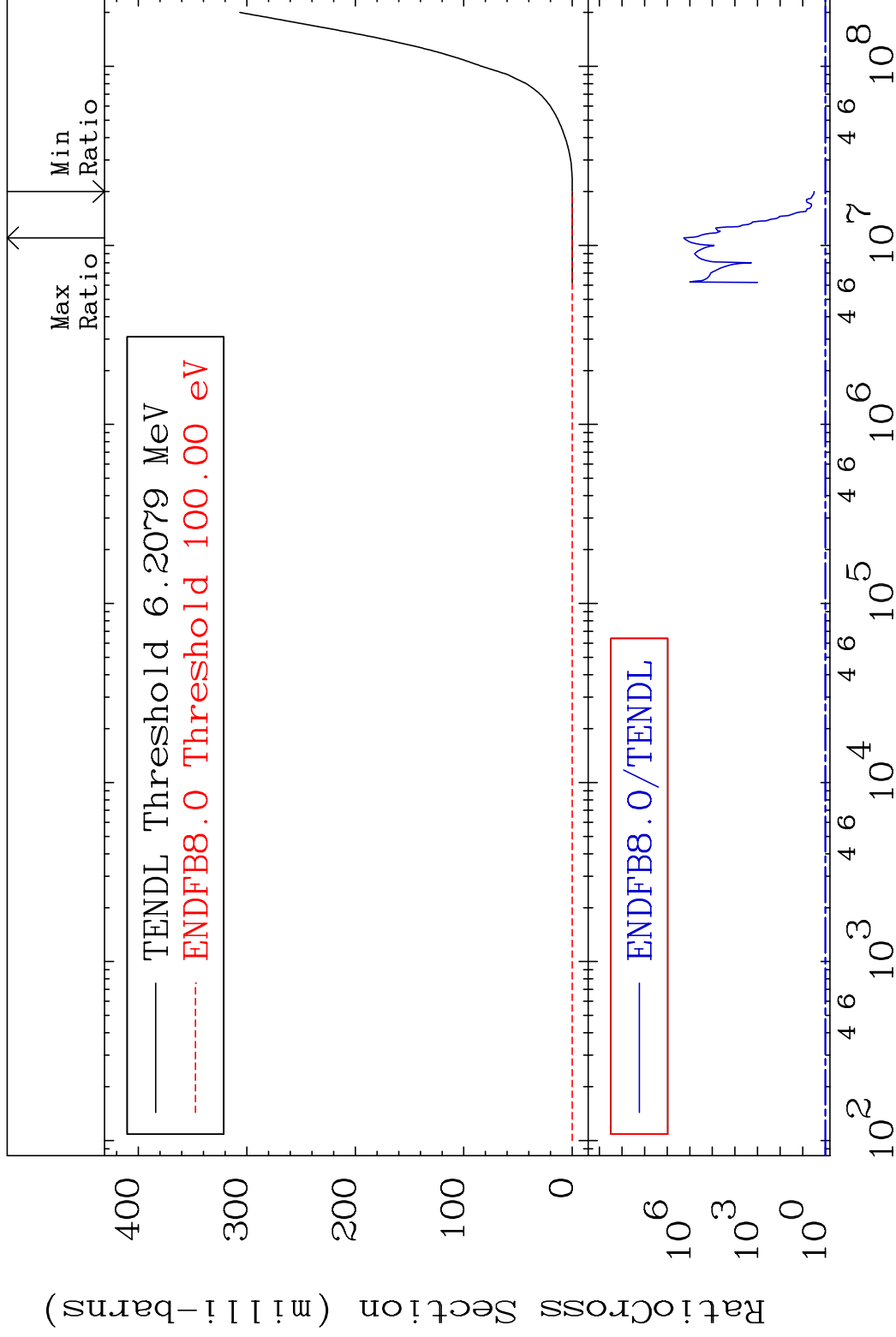
54-Xe-127

MAT 5434

He-3 Production

54-Xe-127

Cross Section 216.2 To 9999. %



42

Incident Energy (eV)

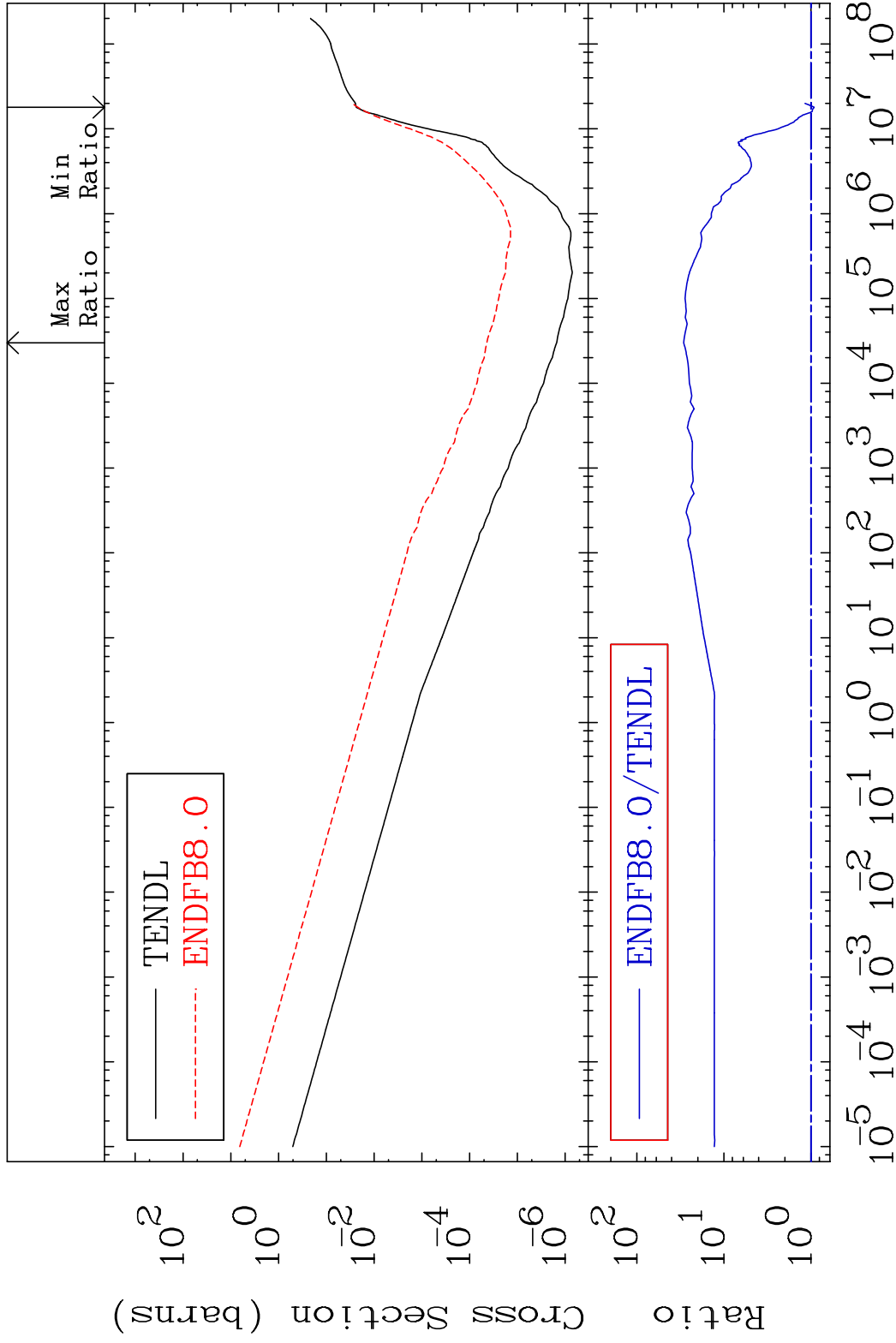
54-Xe-127

MAT 5434

He-4 Production

54-Xe-127

Cross Section -7.833 To 2807. %



43

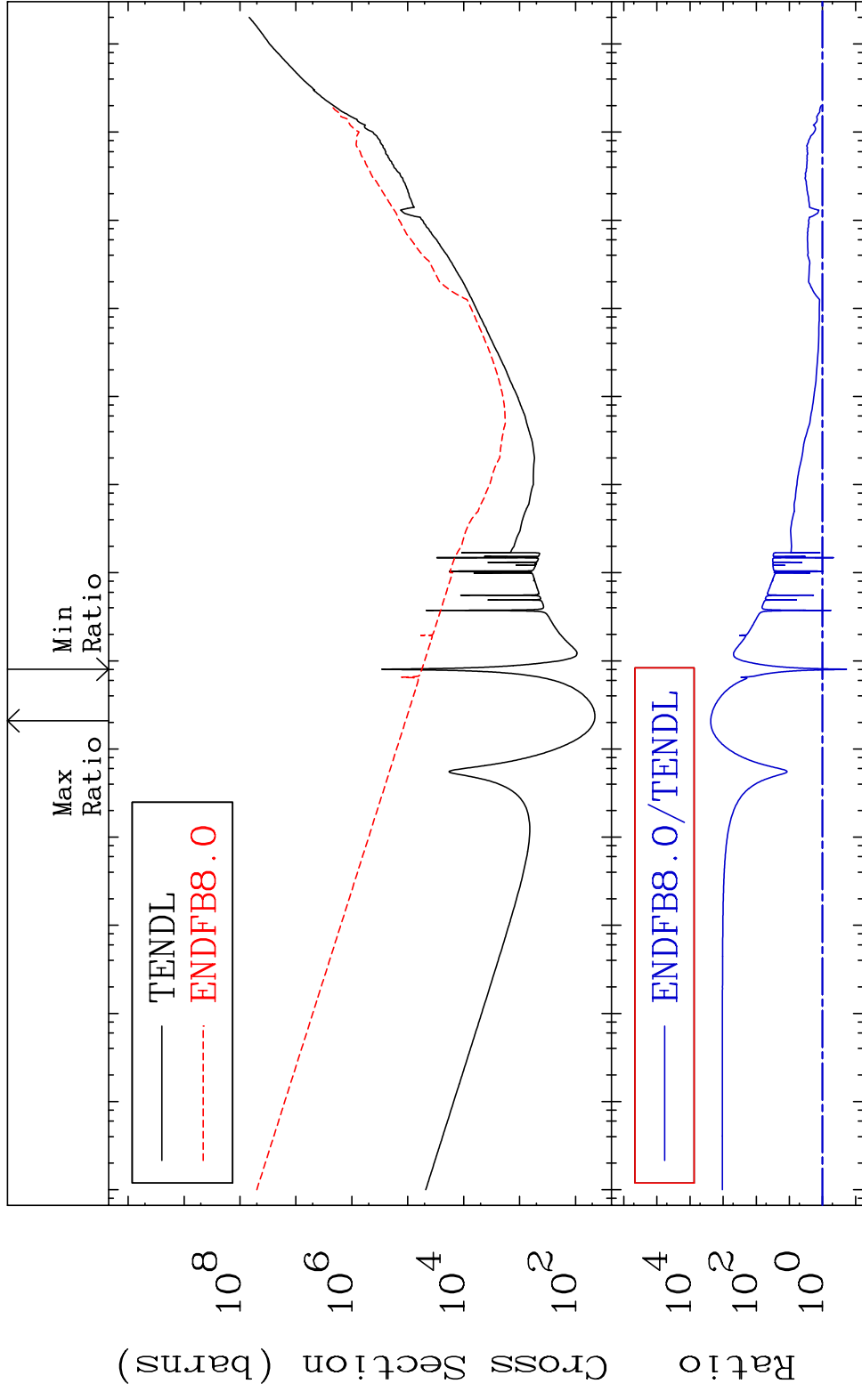
Incident Energy (eV)

54-Xe-127

MAT 5434

Kerma total (eV-barns) 54-Xe-127

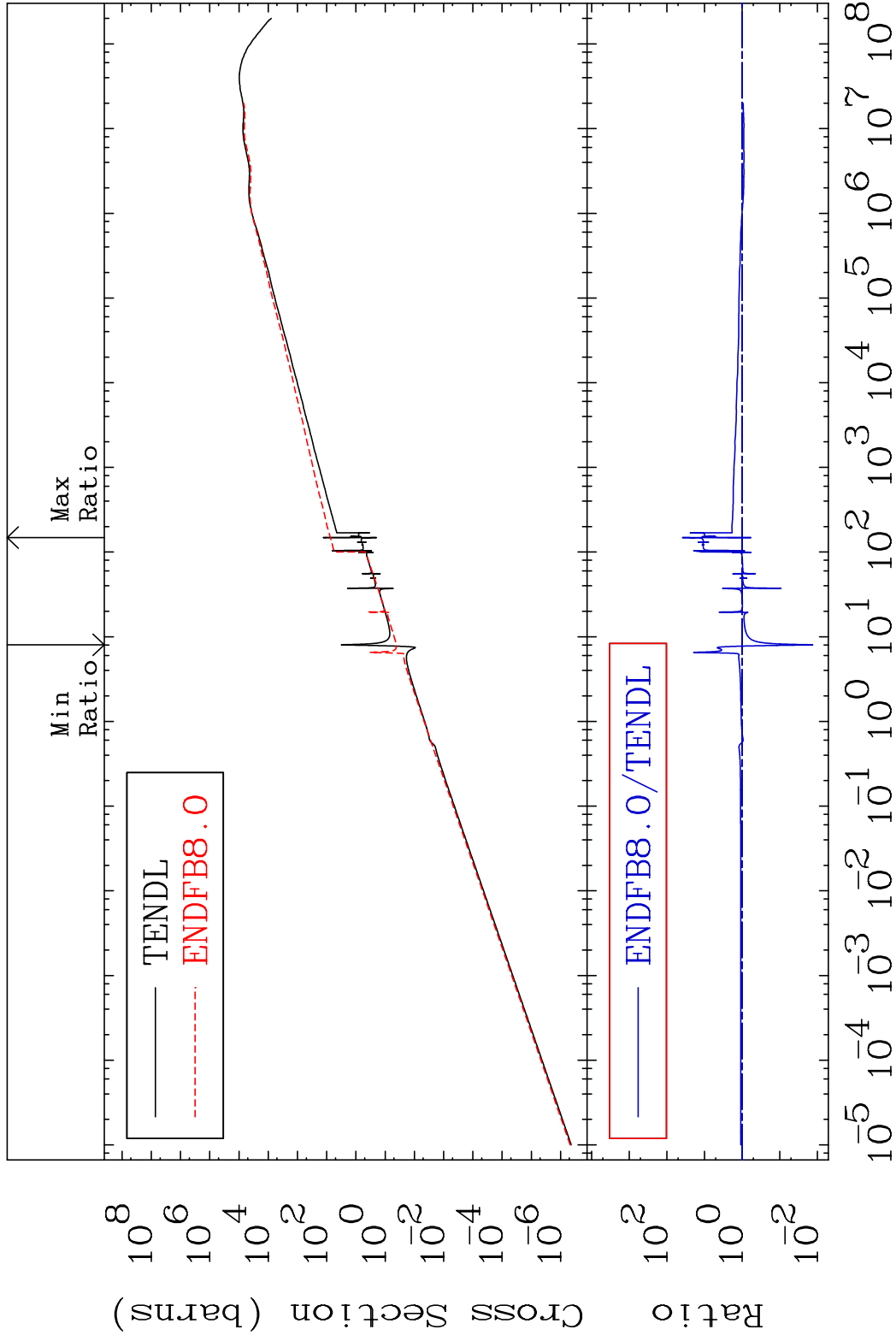
Cross Section -80.93 To 9999. %



MAT 5434

Kerma elastic
Cross Section

54-Xe-127
-98.66 To 3762. %

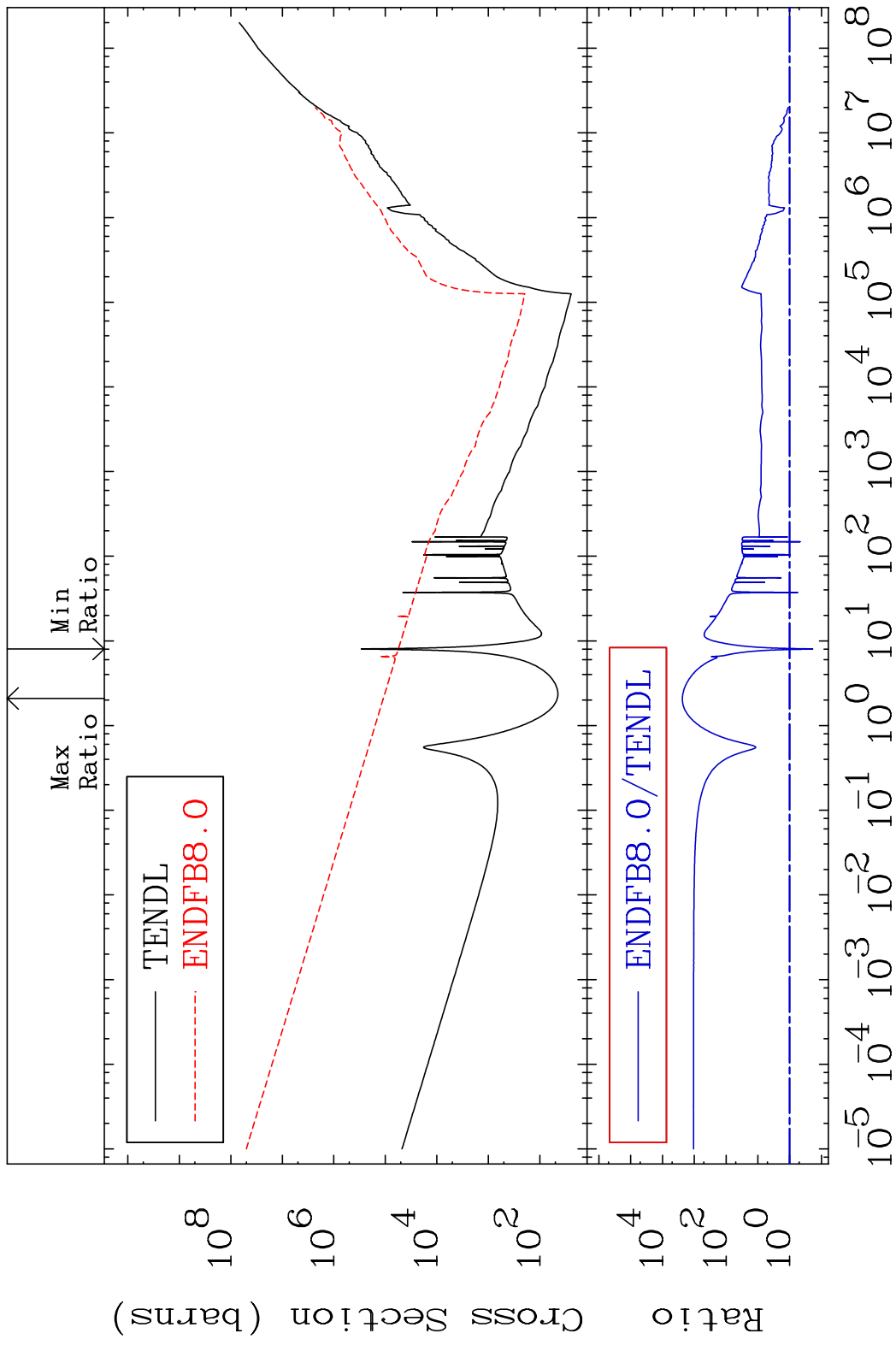


45

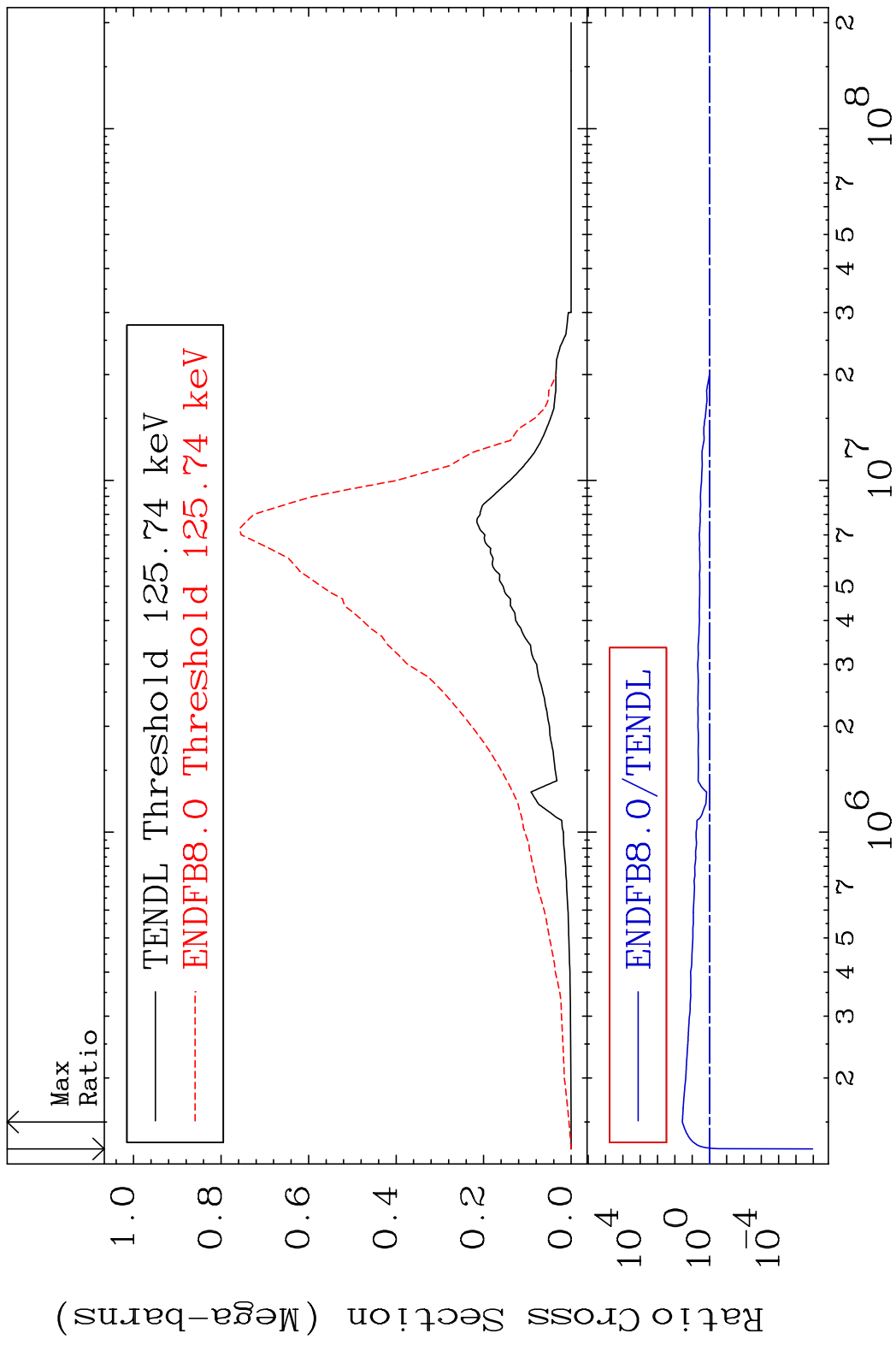
Incident Energy (eV)

54-Xe-127

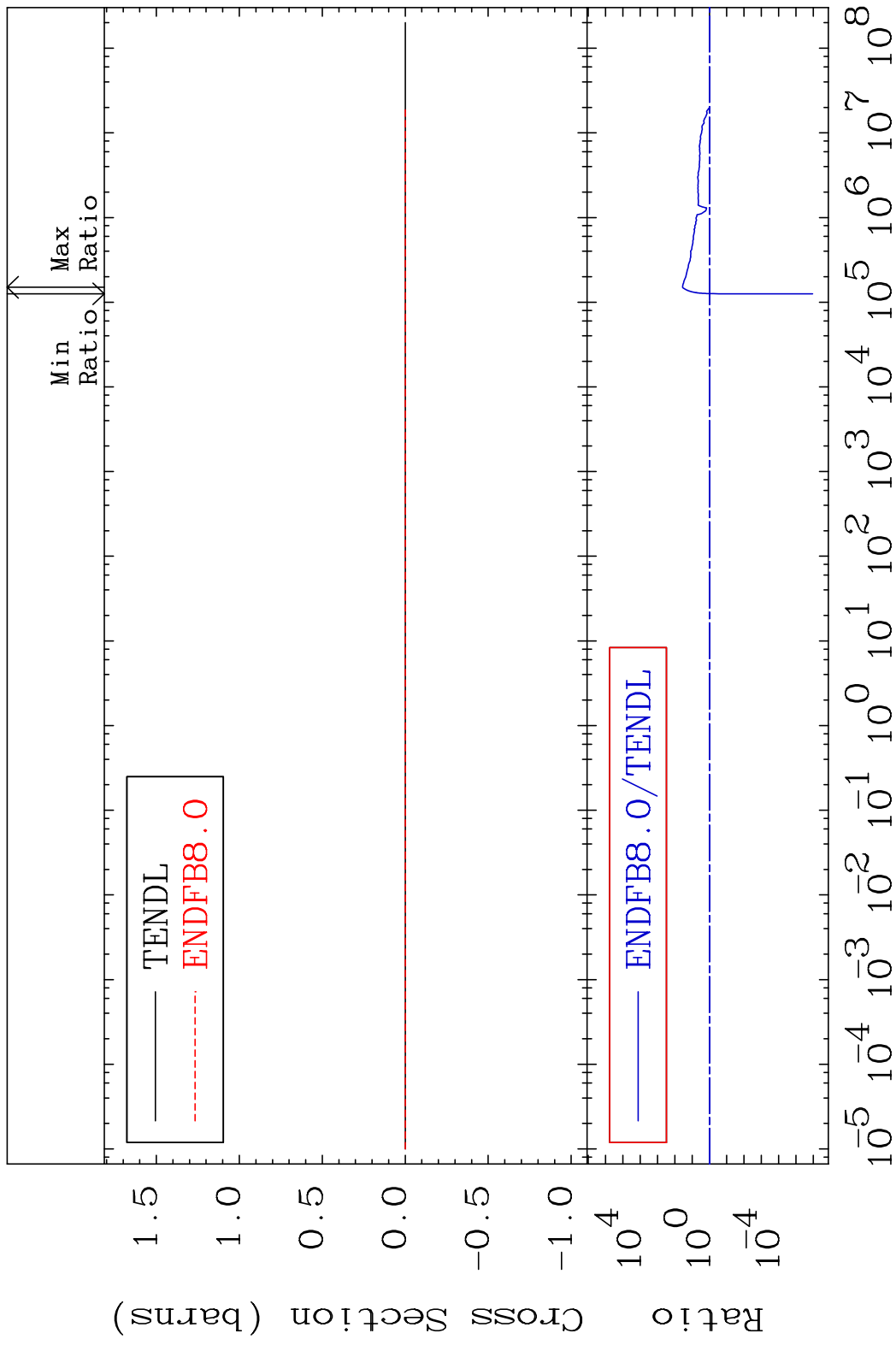
MAT 5434 Kerma non-elastic (all but mt2) 54-Xe-127
 Cross Section -80.93 To 9999. %



MAT 5434 Kerma inelastic (mt51-91) 54-Xe-127
 Cross Section -100.0 To 3550. %



MAT 5434 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-127
 Cross Section -100.0 To 3550. %

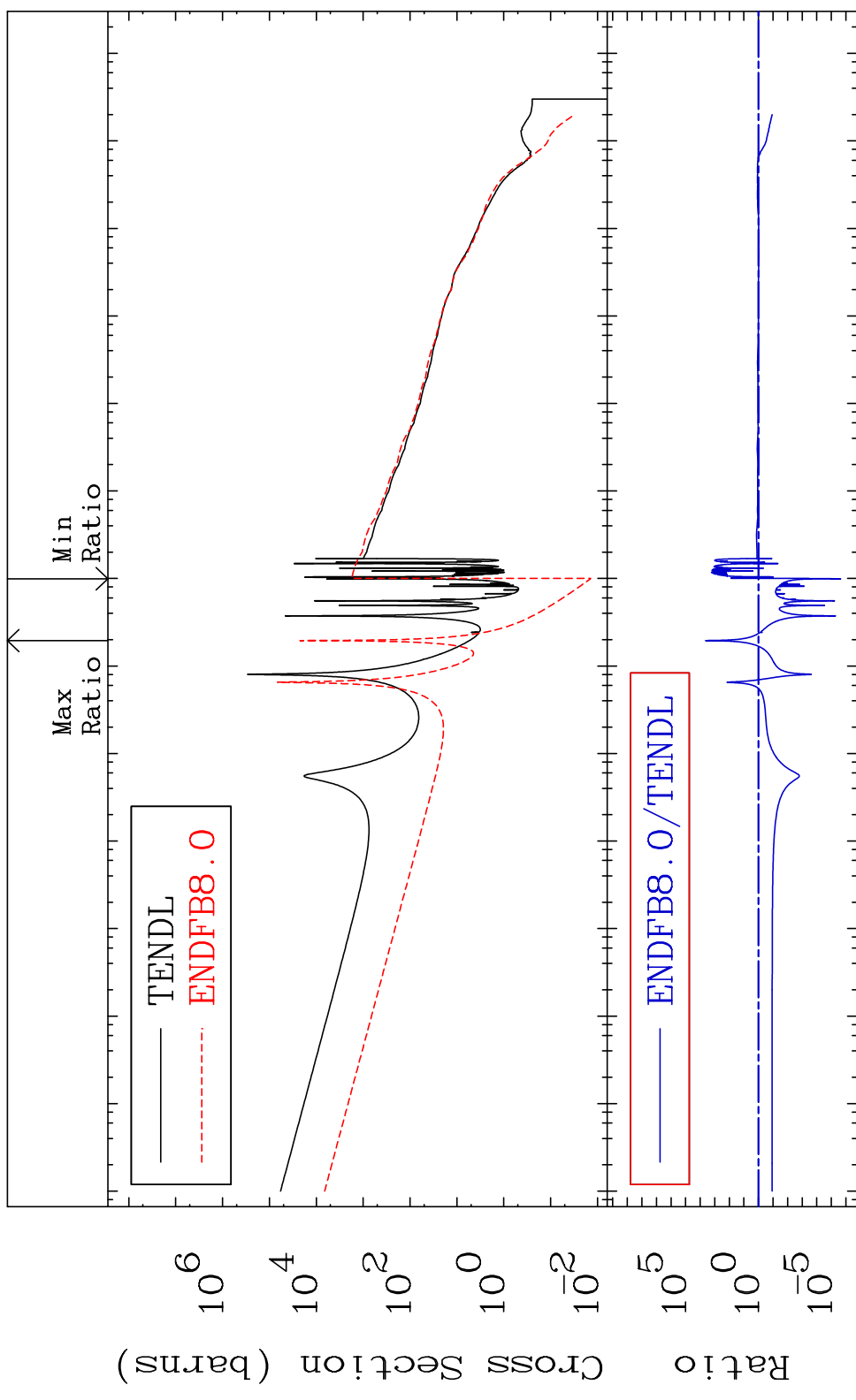


MAT 5434

Kerma capture (mt102)

54-Xe-127

Cross Section -100.0 To 9999. %

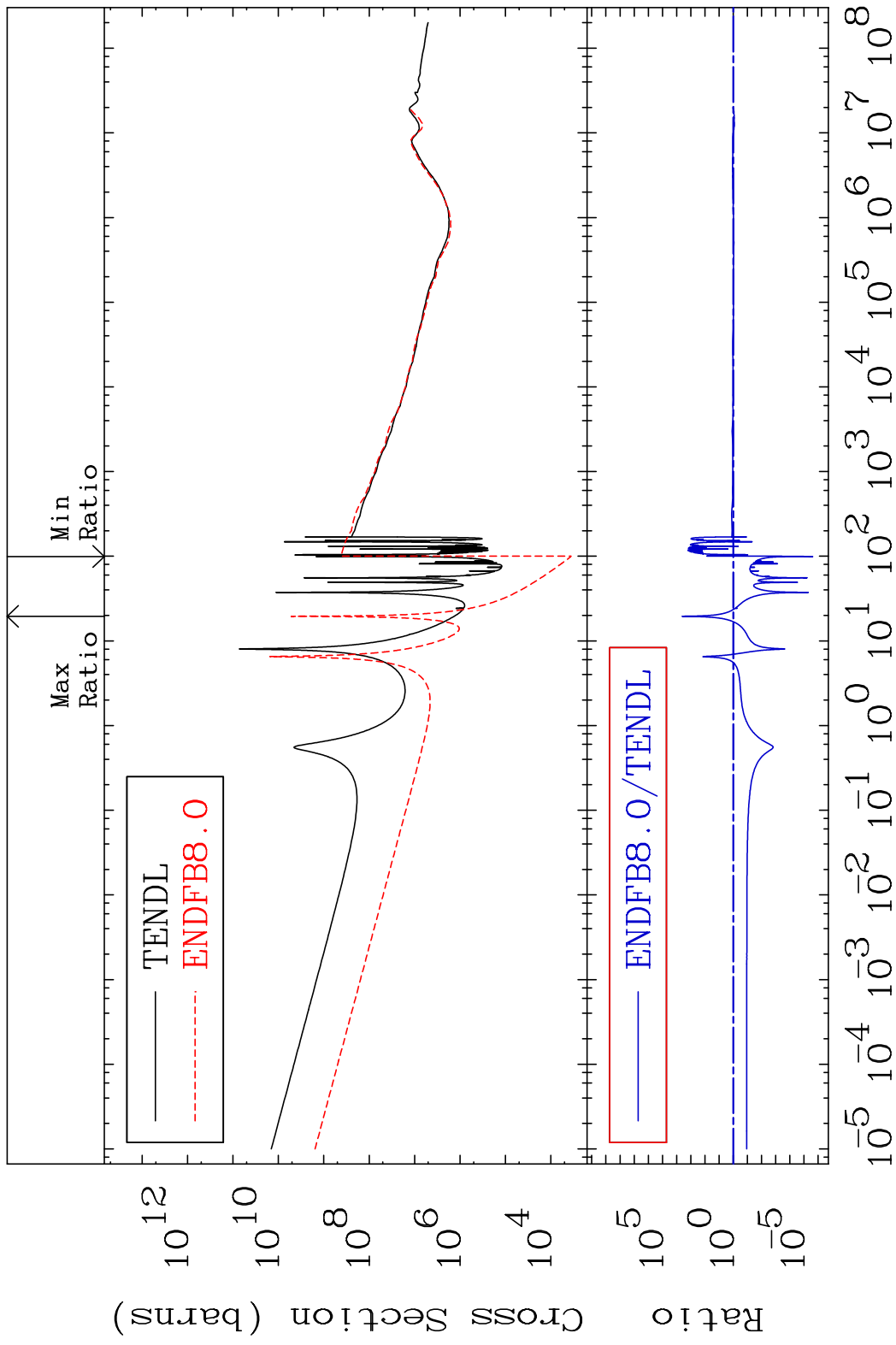


49

Incident Energy (eV)

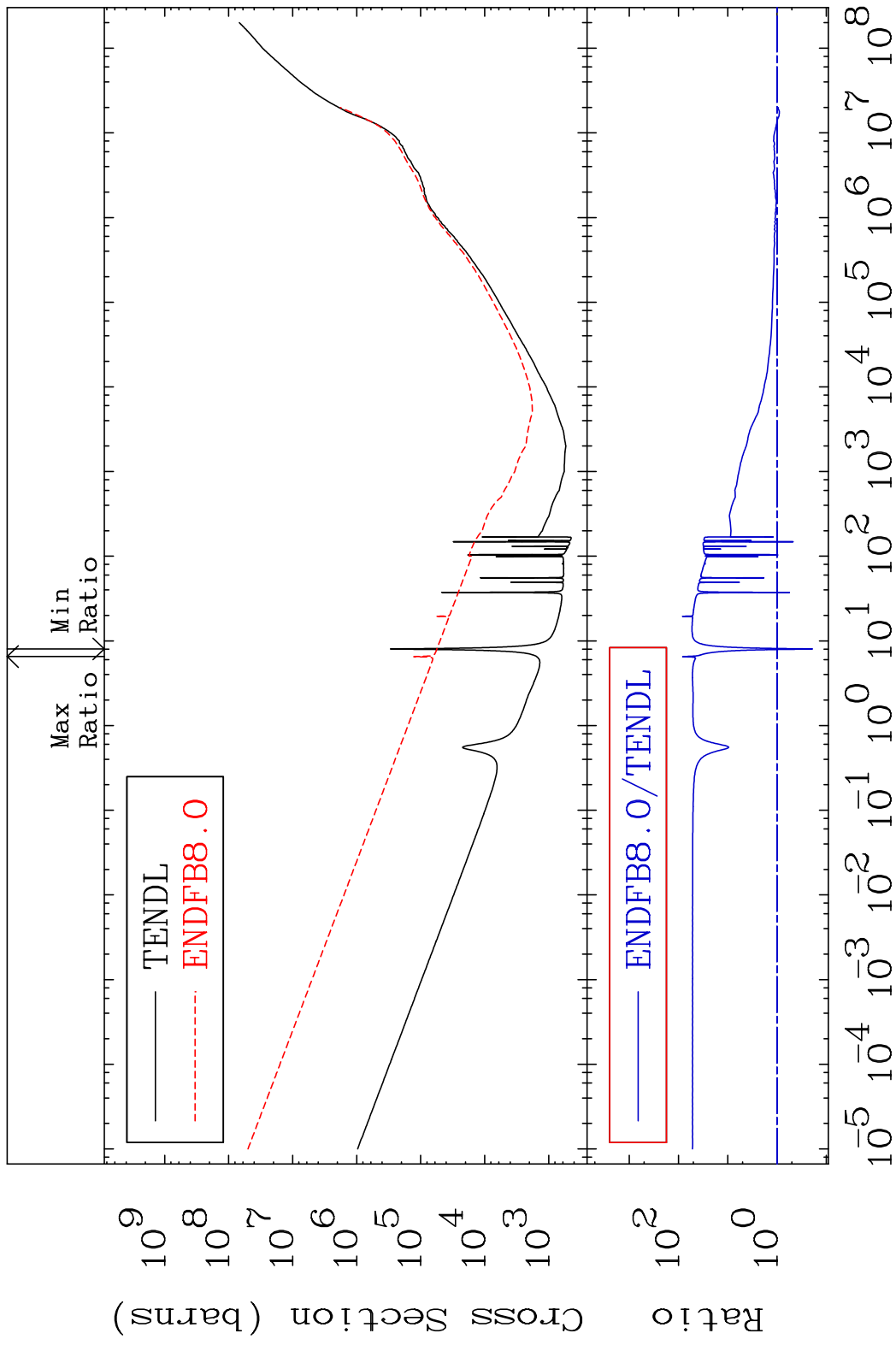
54-Xe-127

MAT 5434 Total photon (eV-barns) 54-Xe-127
 Cross Section -100.0 To 9999. %



50 Incident Energy (eV) 54-Xe-127

MAT 5434 Total kinematic kerma (high limit) 54-Xe-127
 Cross Section -81.00 To 8234. %

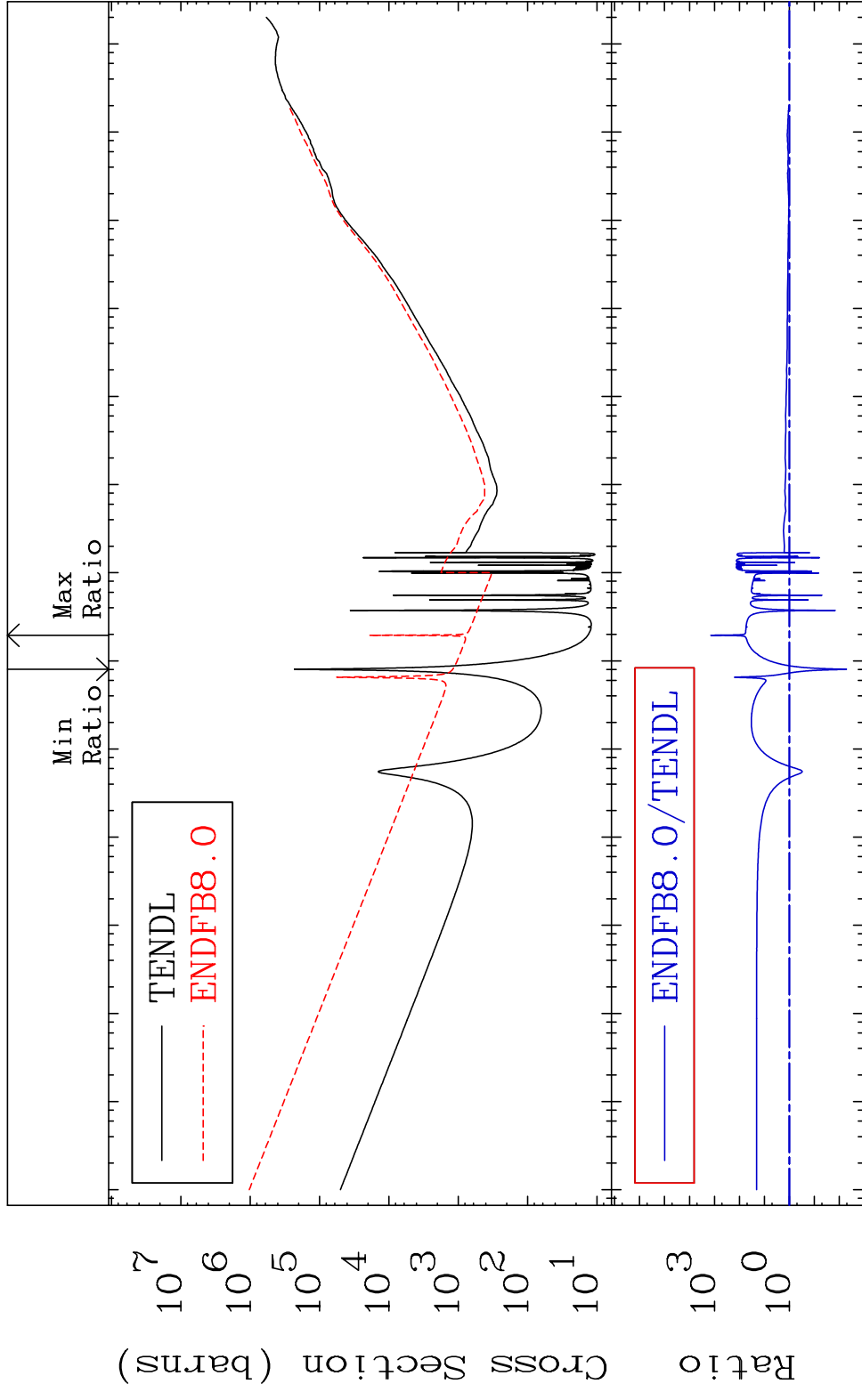


MAT 5434

Dpa total (eV-barns)

54-Xe-127

Cross Section -99.47 To 9999. %

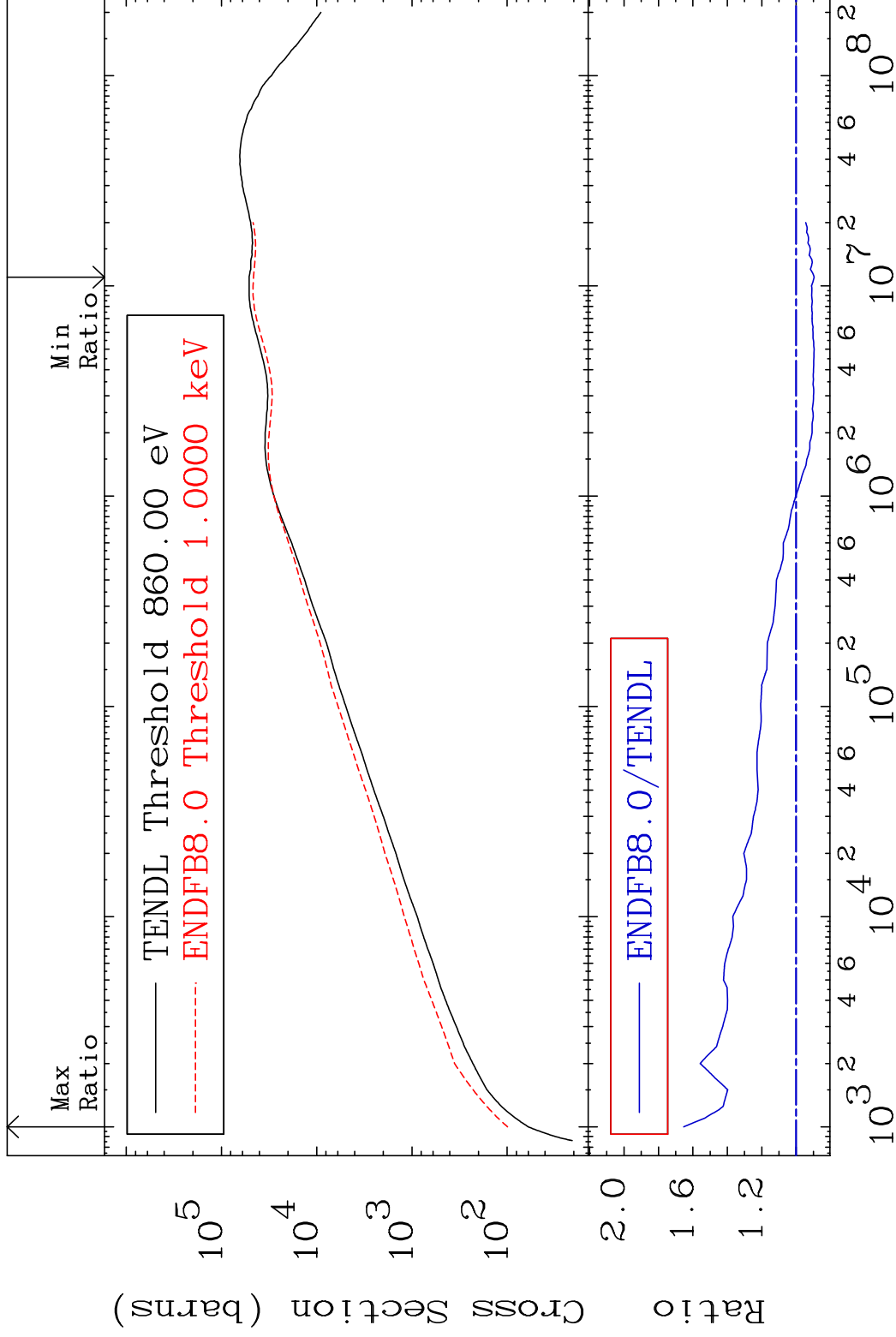


MAT 5434

Dpa elastic (mt2)

54-Xe-127

Cross Section -10.40 To 65.36 %

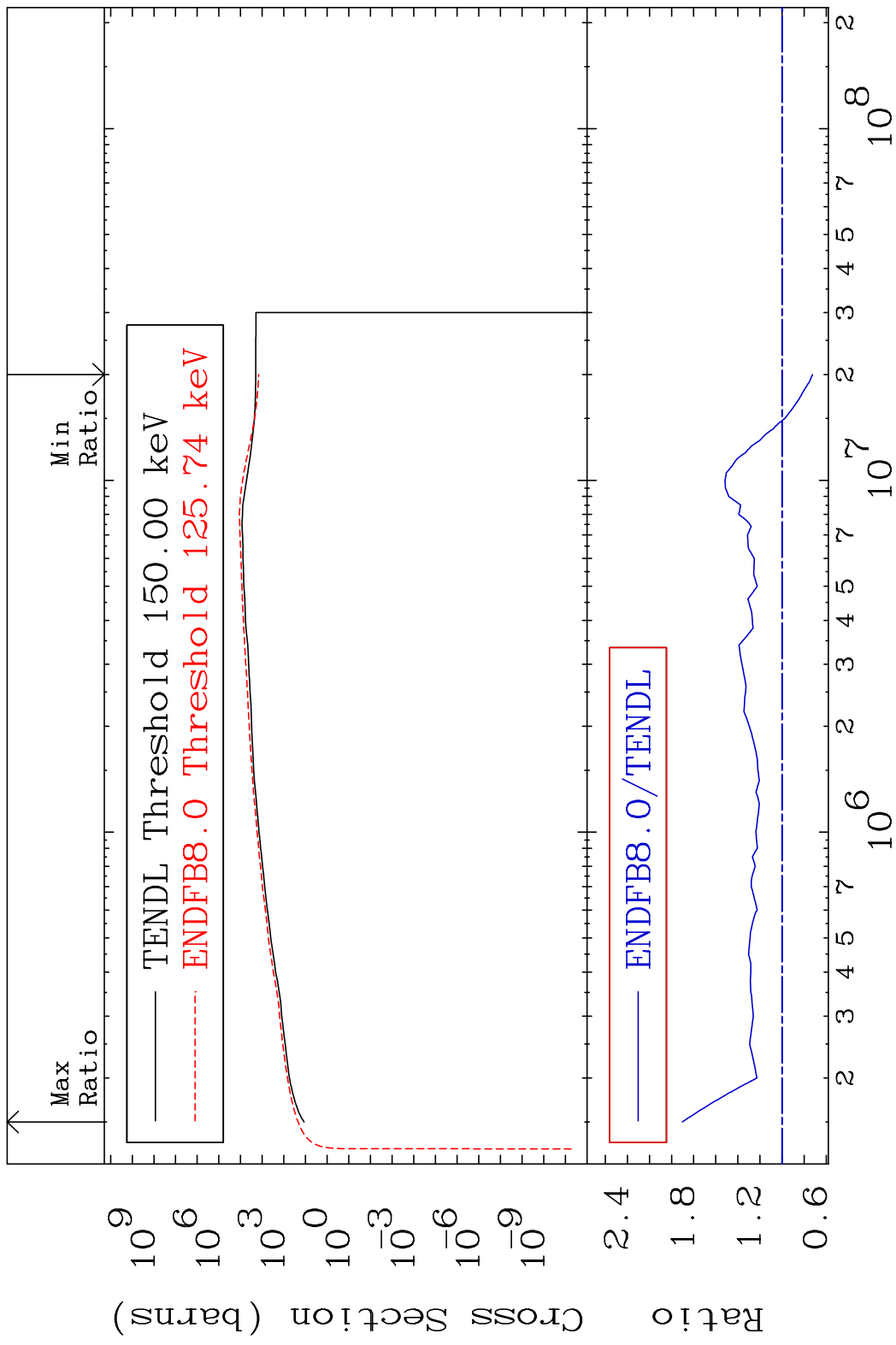


53

Incident Energy (eV)

54-Xe-127

MAT 5434 Dpa inelastic (mt51-91) 54-Xe-127
 Cross Section -27.62 To 90.24 %



MAT 5434 Dpa disappearance (mt102 -120) 54-Xe-127
 Cross Section -99.47 To 9999. %

