

Program Complot
(Version 2021-1)

by

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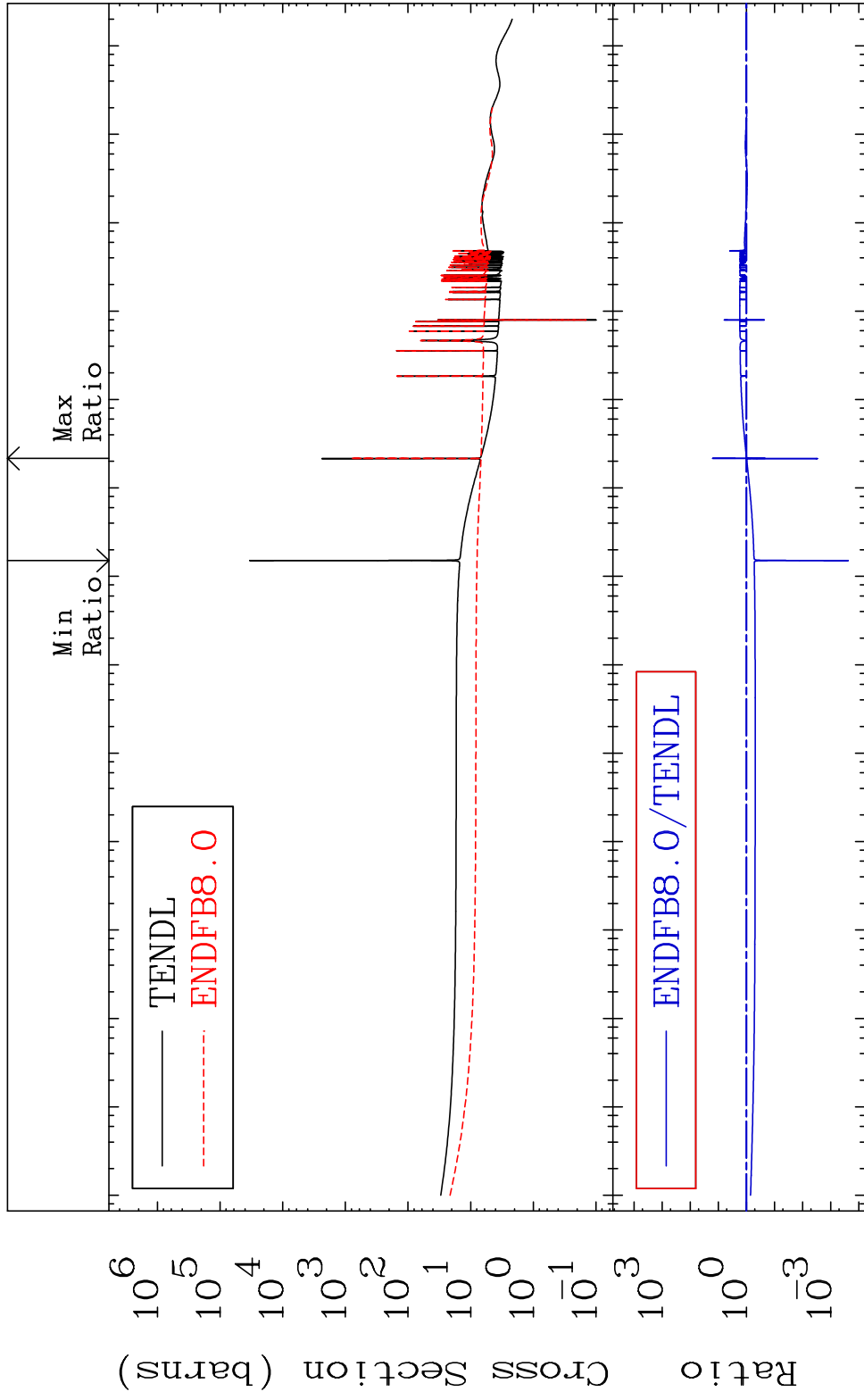
Press Mouse Button to Start

MAT 5461

Total

54-Xe-136

Cross Section -99.98 To 1525. %



1

Incident Energy (eV)

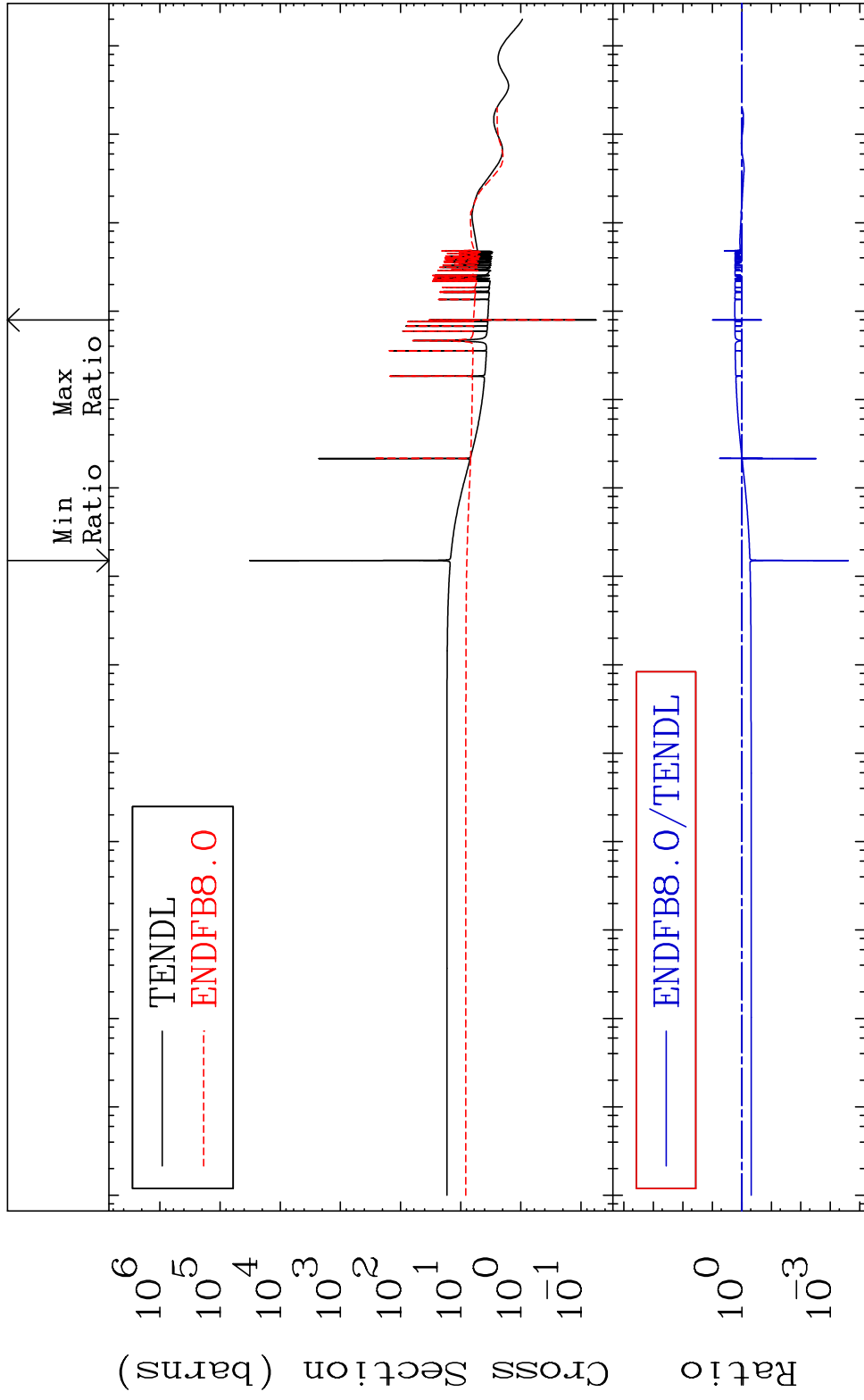
54-Xe-136

MAT 5461

Elastic

54-Xe-136

Cross Section -99.98 To 894.3 %



2

Incident Energy (eV)

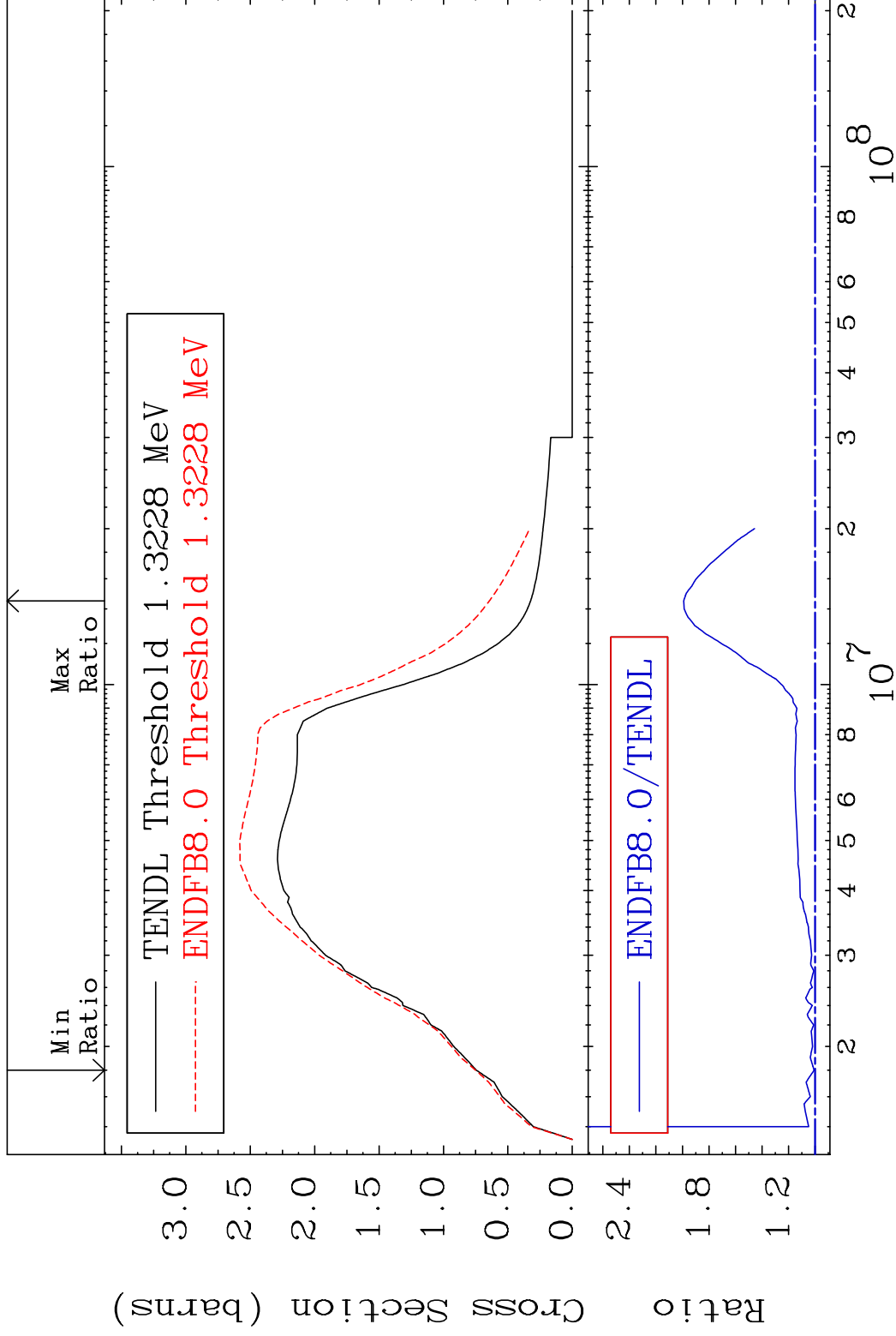
54-Xe-136

MAT 5461

Inelastic

54-Xe-136

Cross Section 0.752 To 99.09 %



3

Incident Energy (eV)

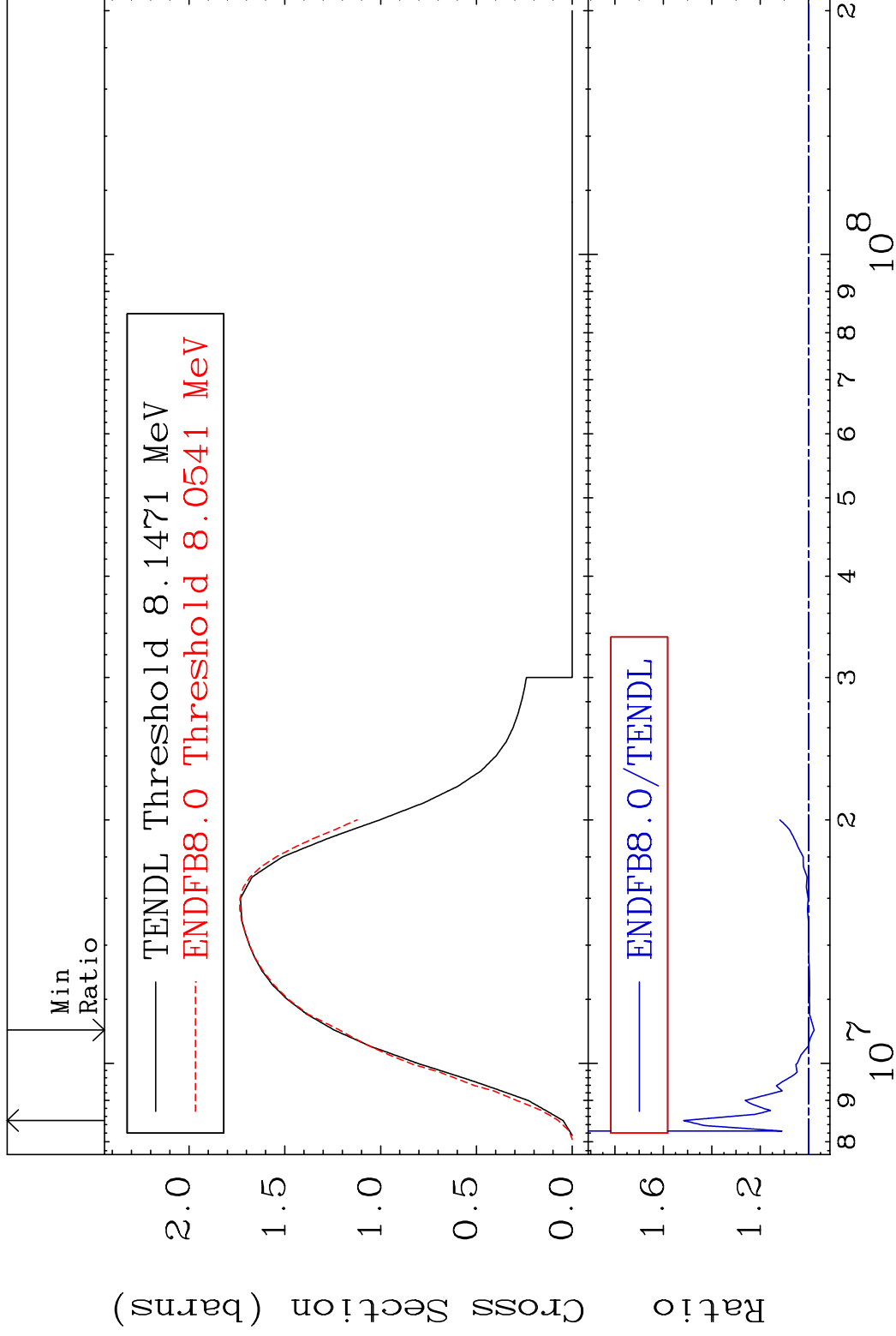
54-Xe-136

MAT 5461

(n,2n)

54-Xe-136

Cross Section -2.300 To 51.59 %



4

Incident Energy (eV)

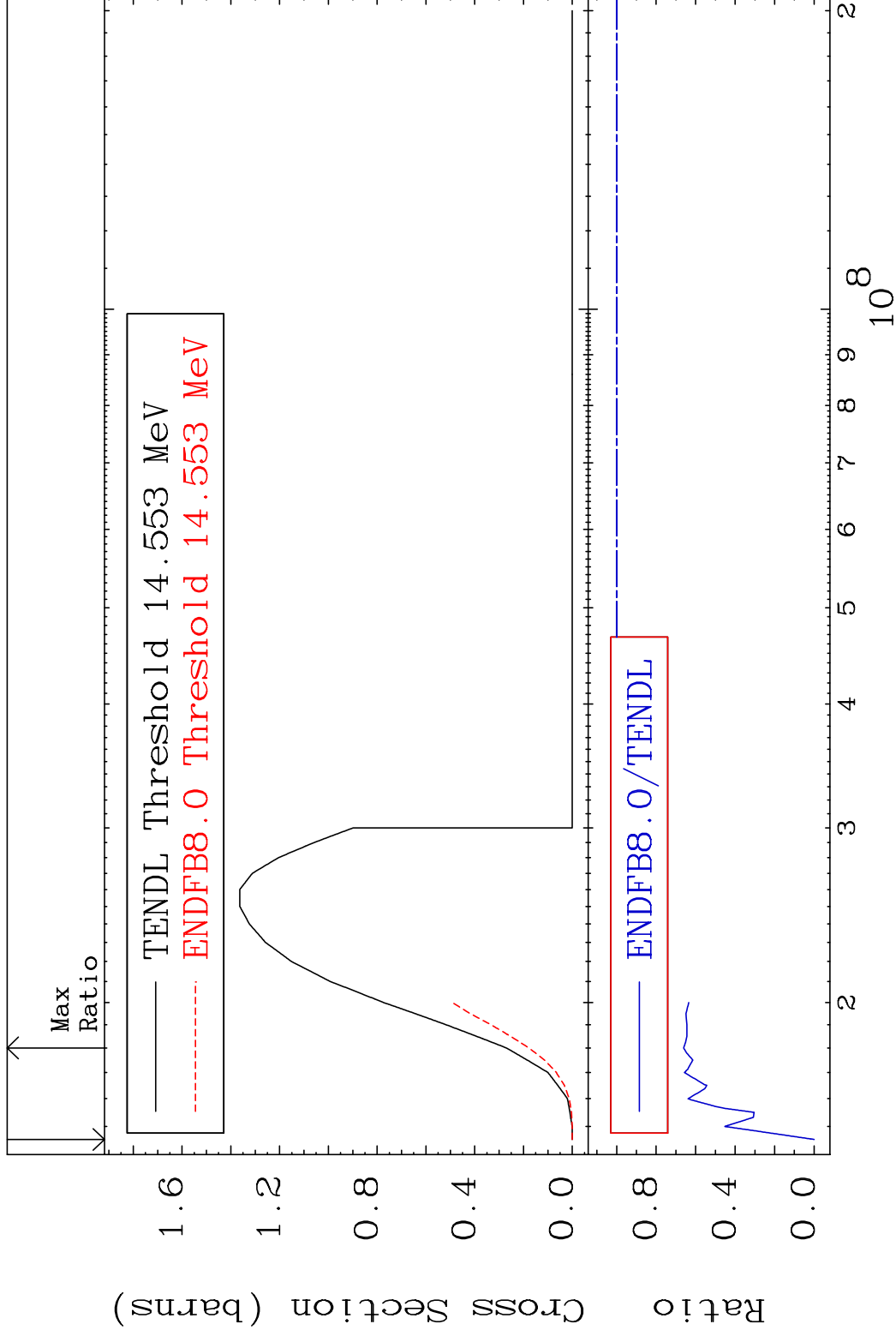
54-Xe-136

MAT 5461

(n,3n)

54-Xe-136

Cross Section -100.0 To -33.94%



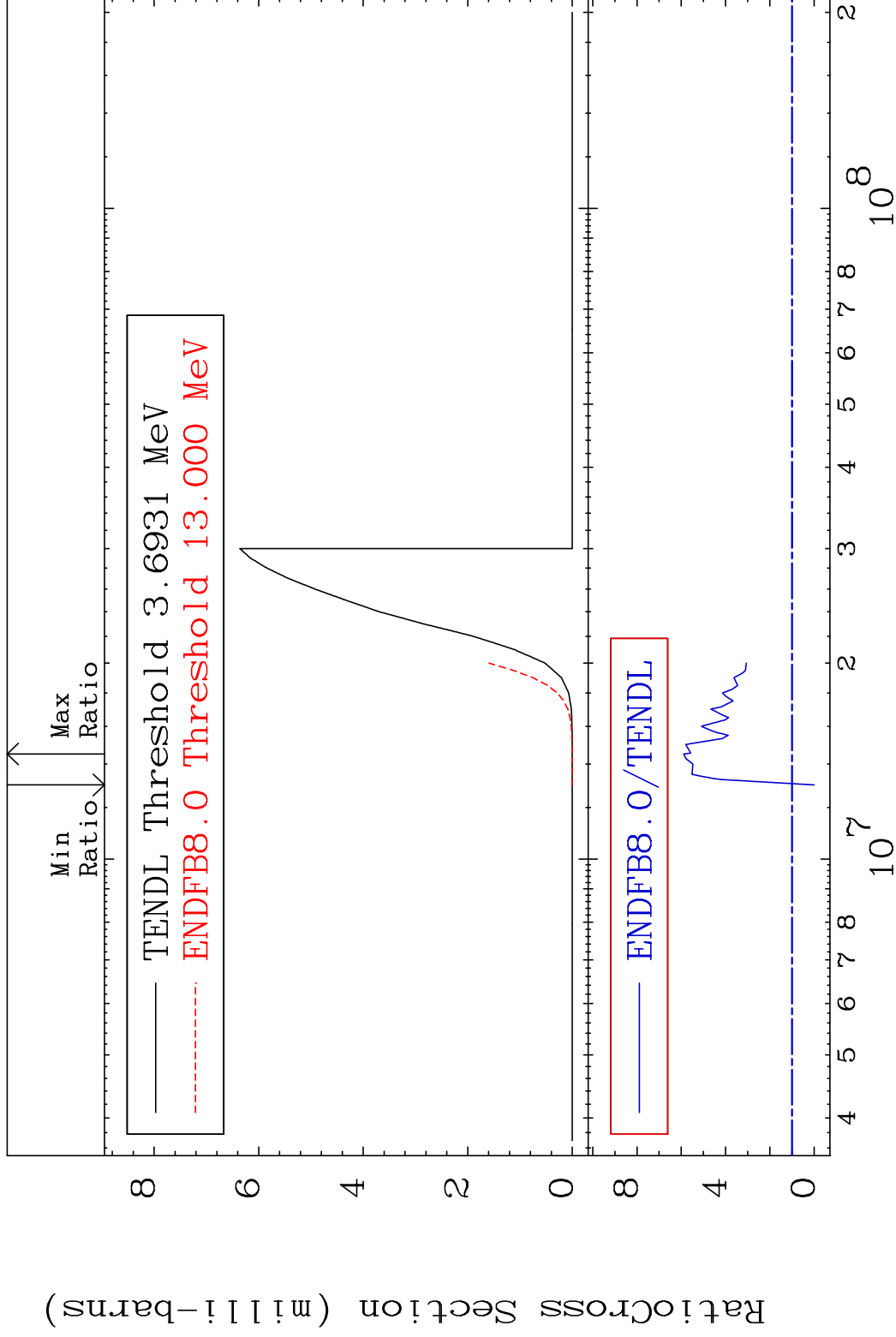
5

Incident Energy (eV)

54-Xe-136

MAT 5461

(n, n') α 54-Xe-136
Cross Section -100.0 To 489.2 %



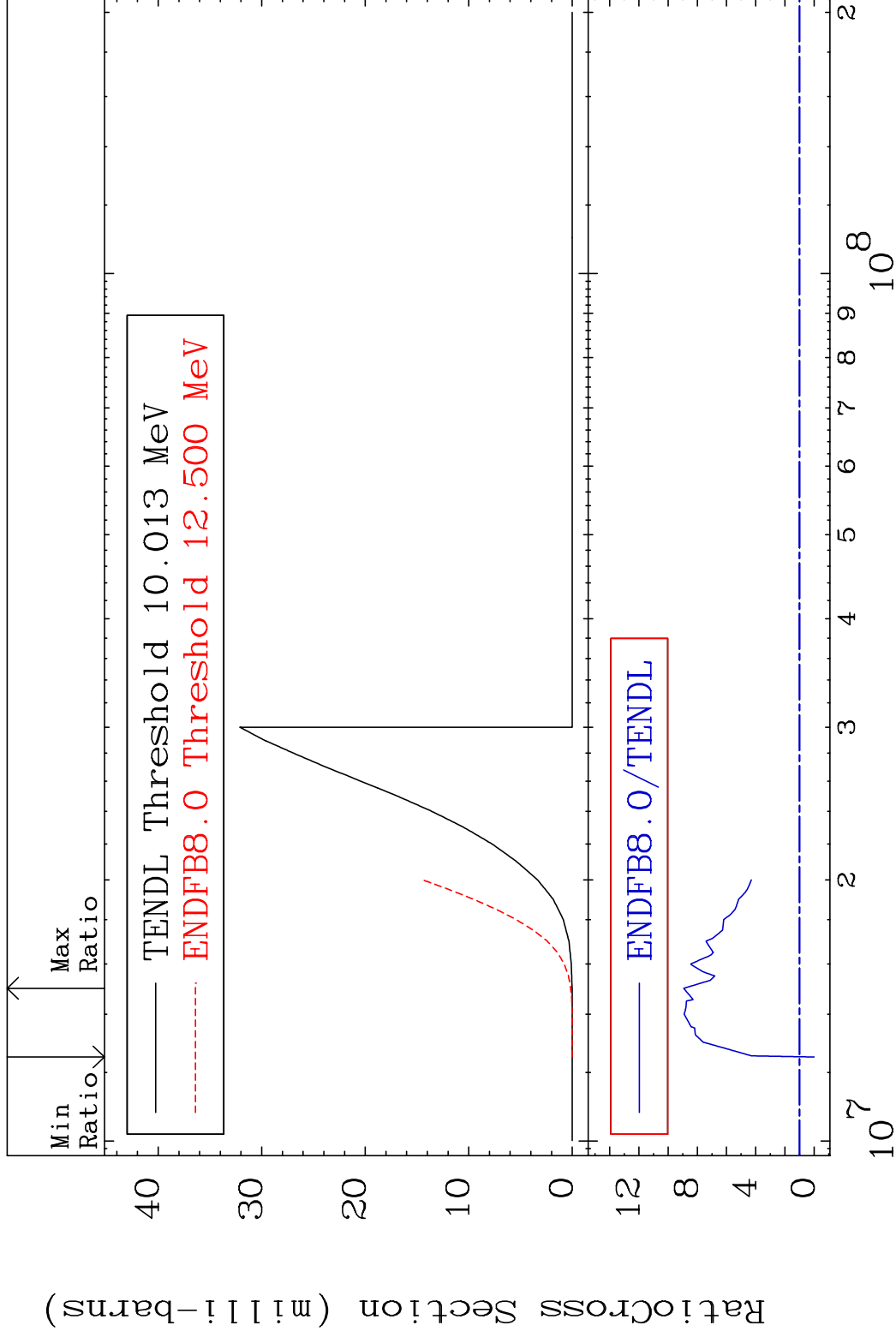
6

Incident Energy (eV)

54-Xe-136

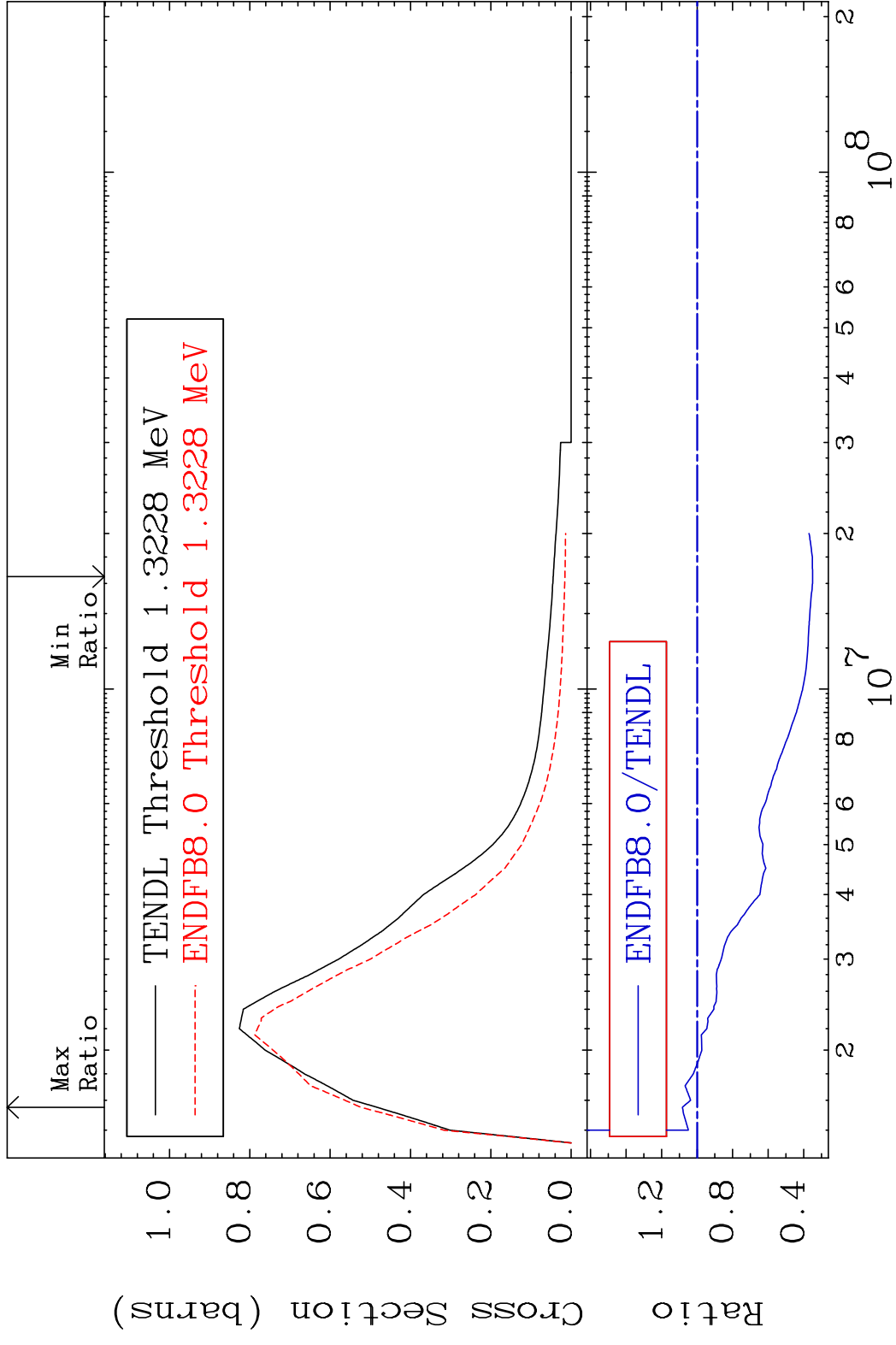
MAT 5461

(n, n') p 54-Xe-136
Cross Section -100.0 To 793.6 %

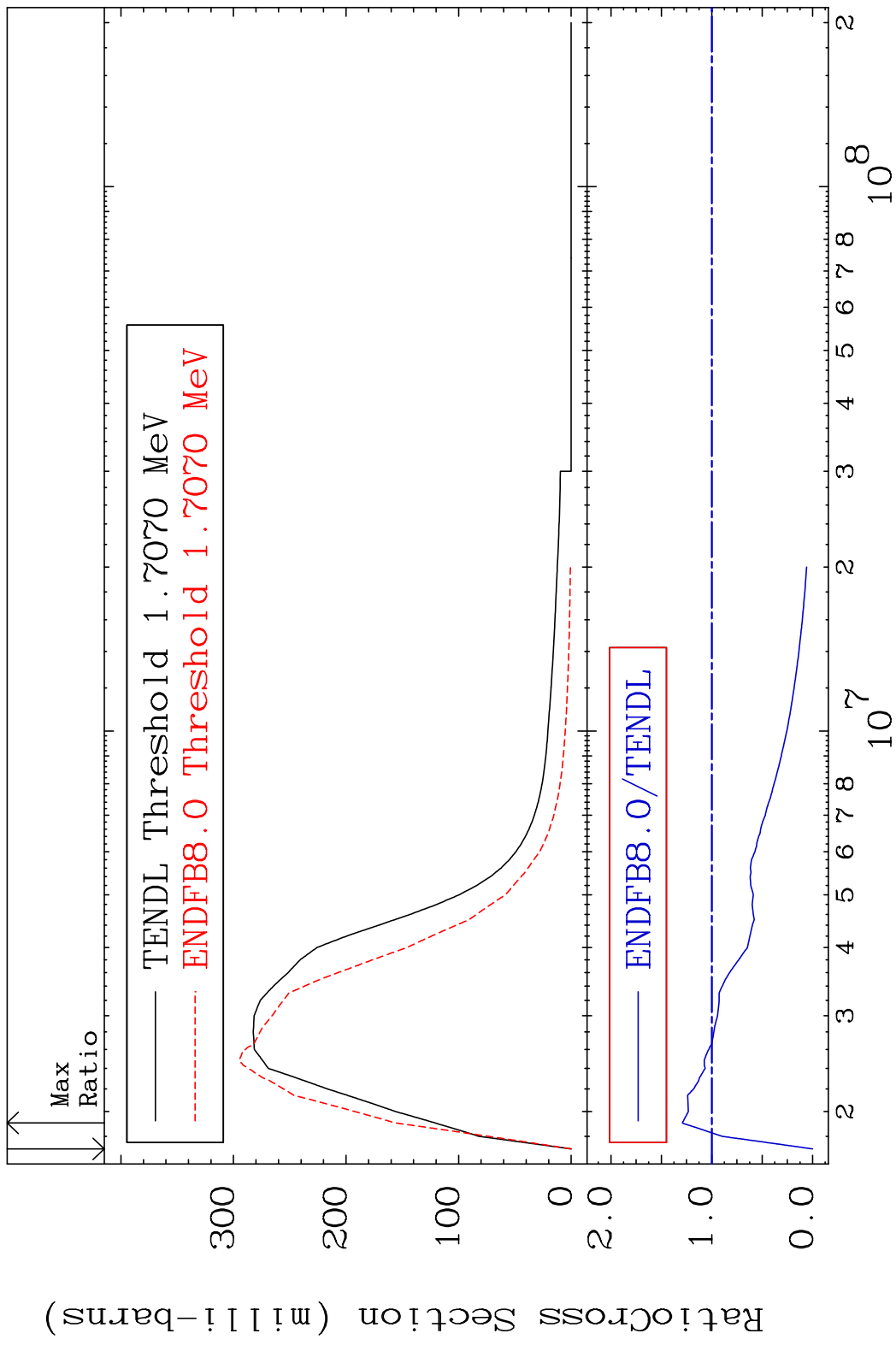


7 Incident Energy (eV) 54-Xe-136

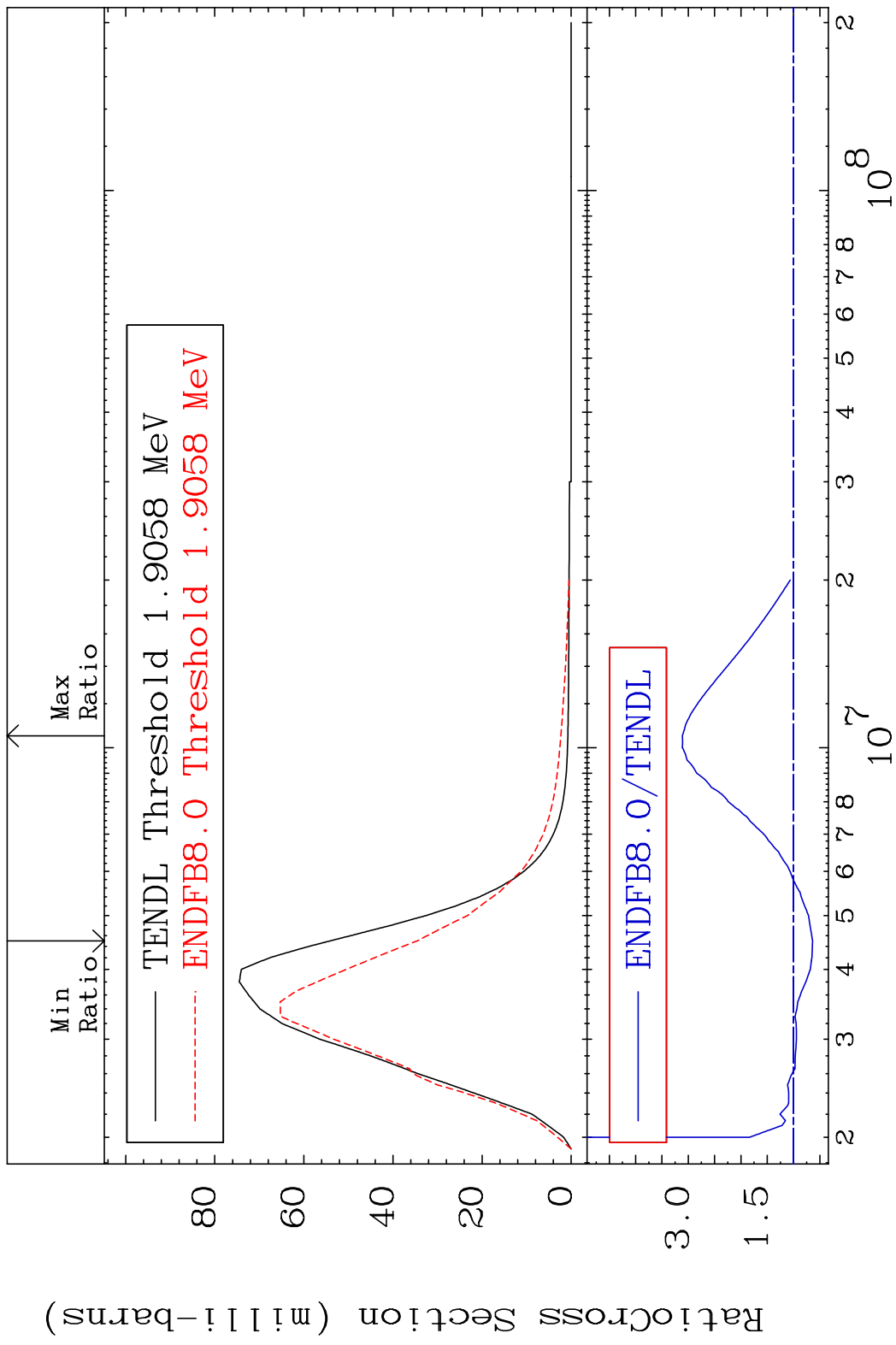
MAT 5461 MT= 51 (n, n') Level 54-Xe-136
 Cross Section -65.01 To 8.318 %



MAT 5461 MT= 52 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 29.16 %

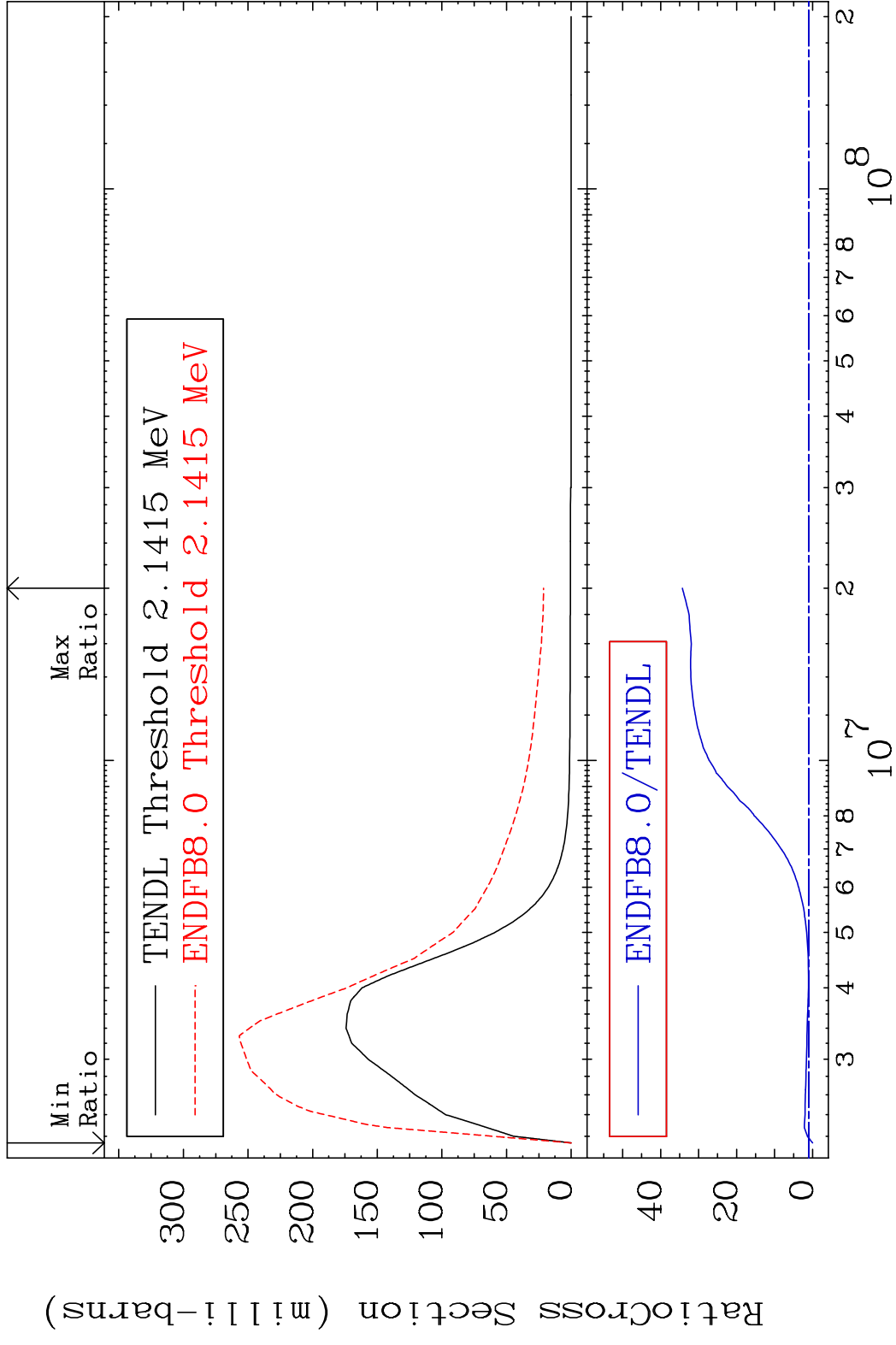


MAT 5461 MT= 53 (n, n') Level 54-Xe-136
 Cross Section -36.18 To 211.2 %

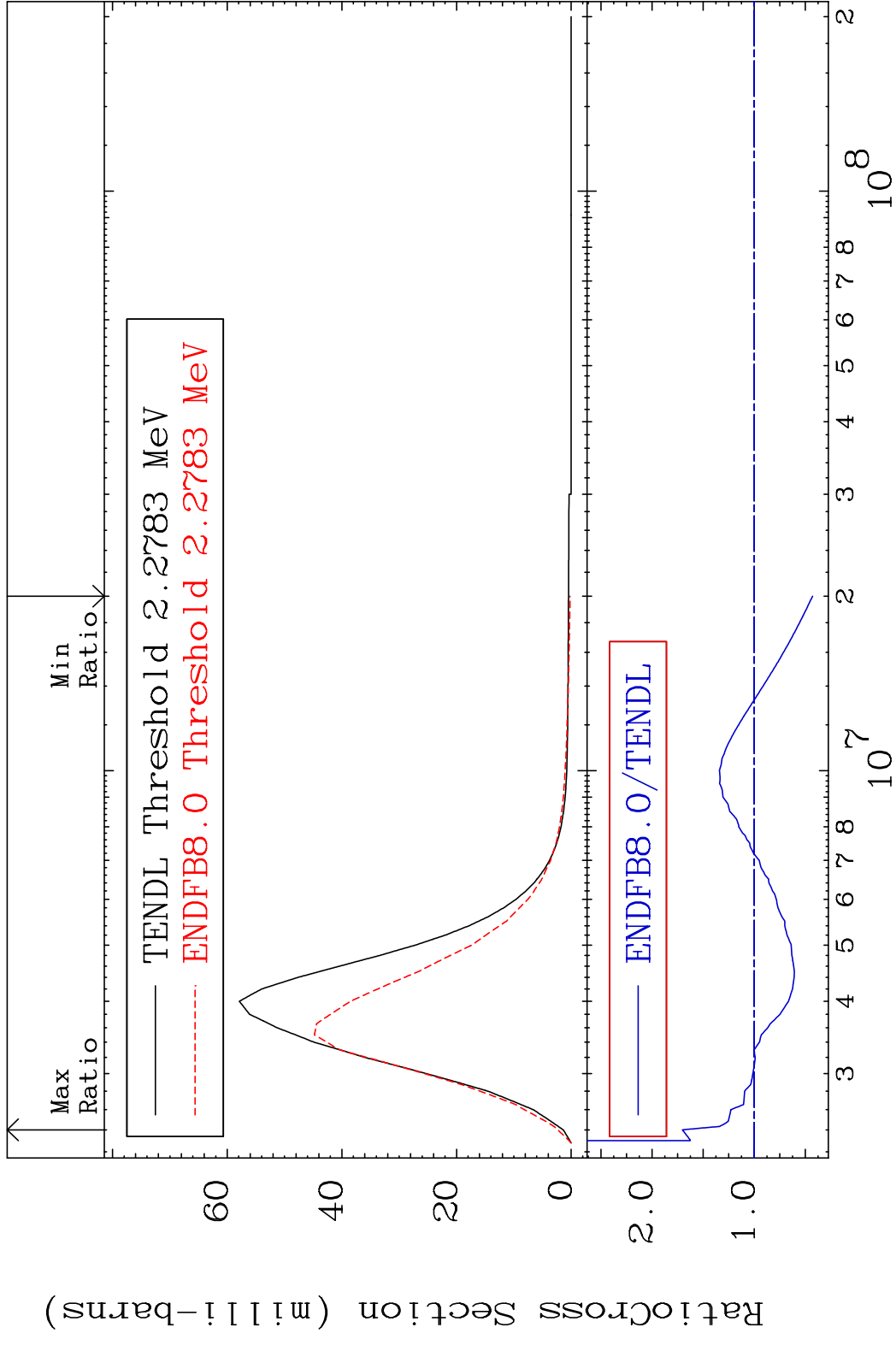


10 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 54 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 3329. %



MAT 5461 MT= 55 (n,n') Level 54-Xe-136
 Cross Section -57.09 To 70.35 %

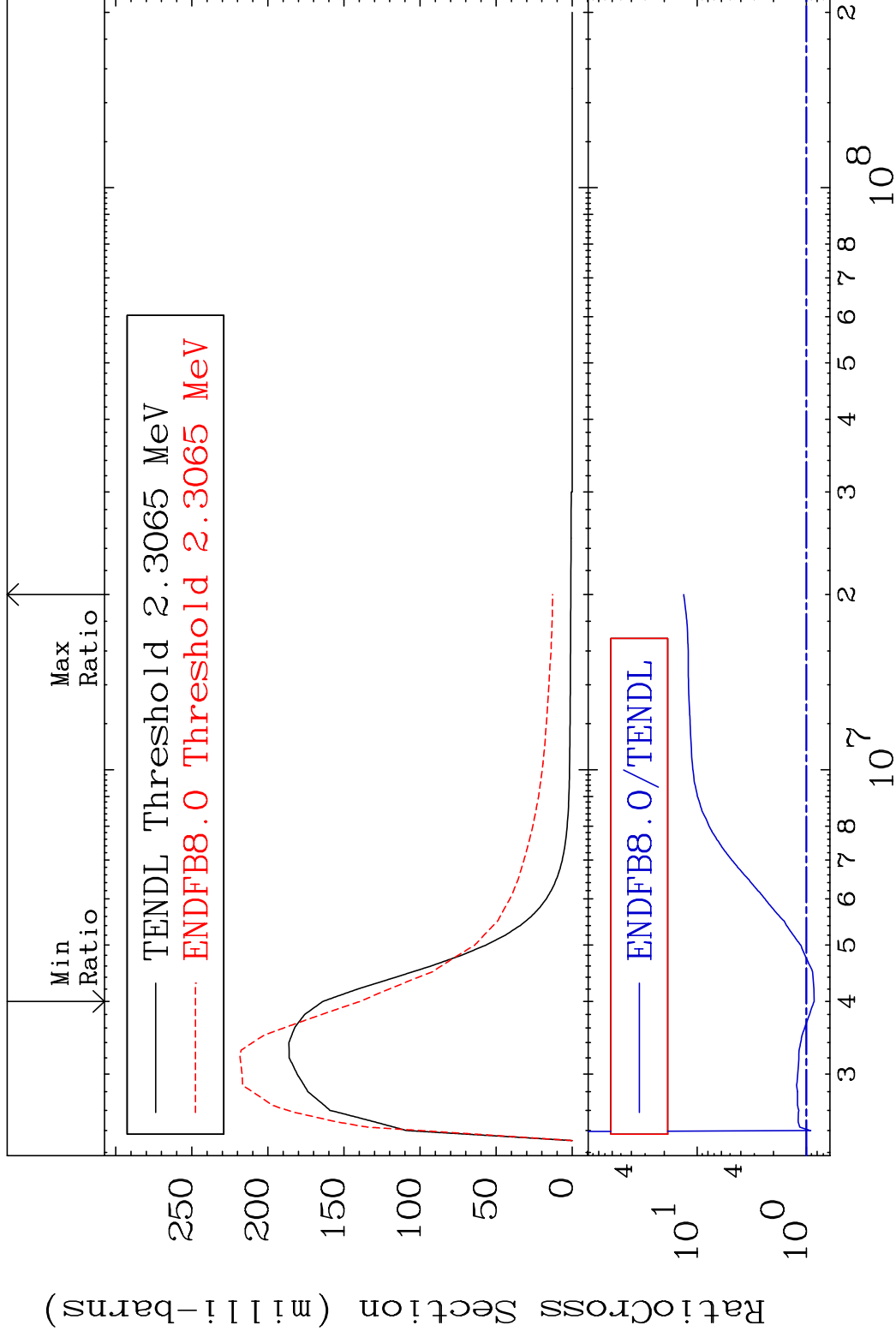


MAT 5461

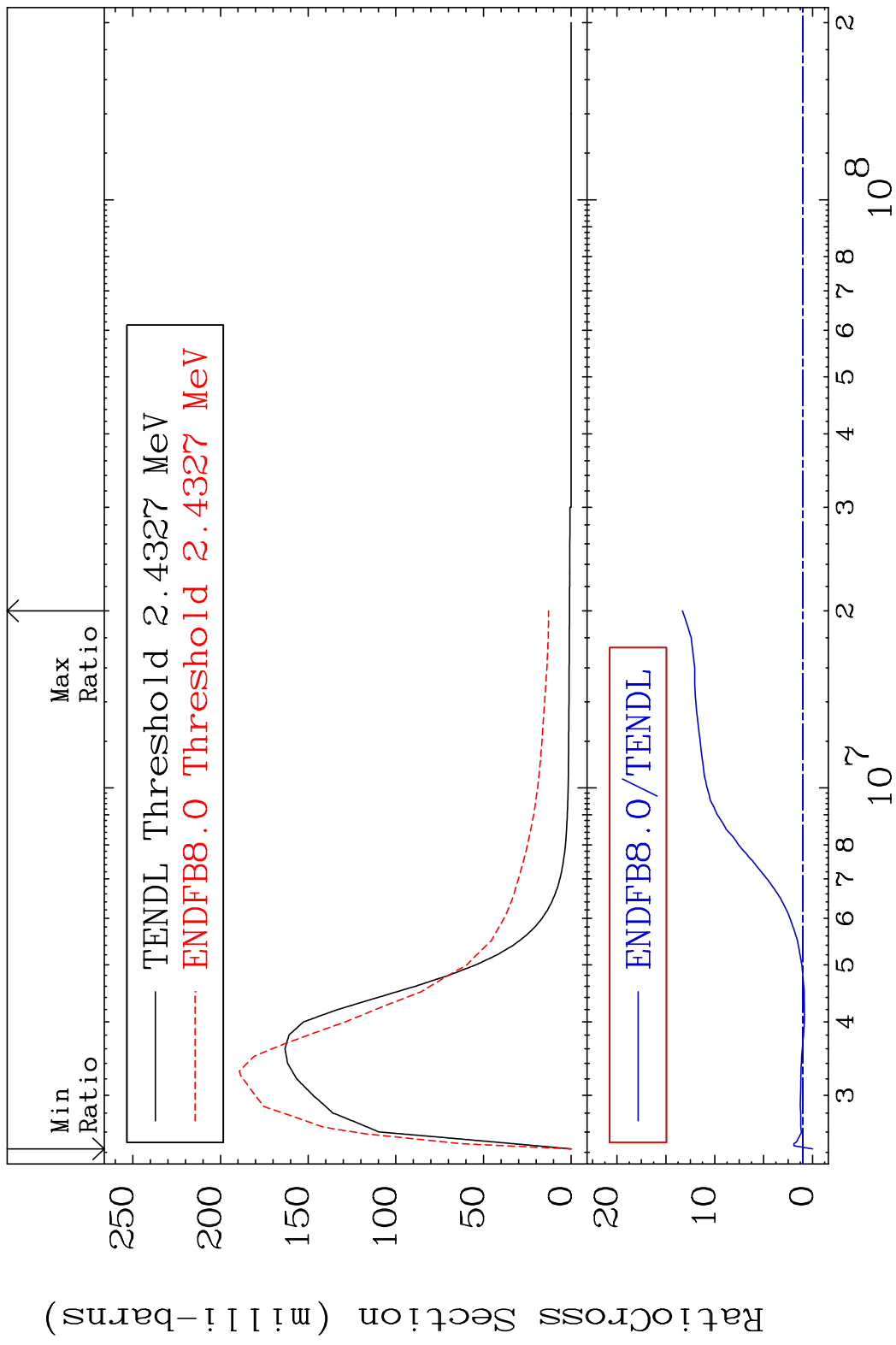
MT= 56 (n, n') Level

54-Xe-136

Cross Section -14.87 To 1231. %

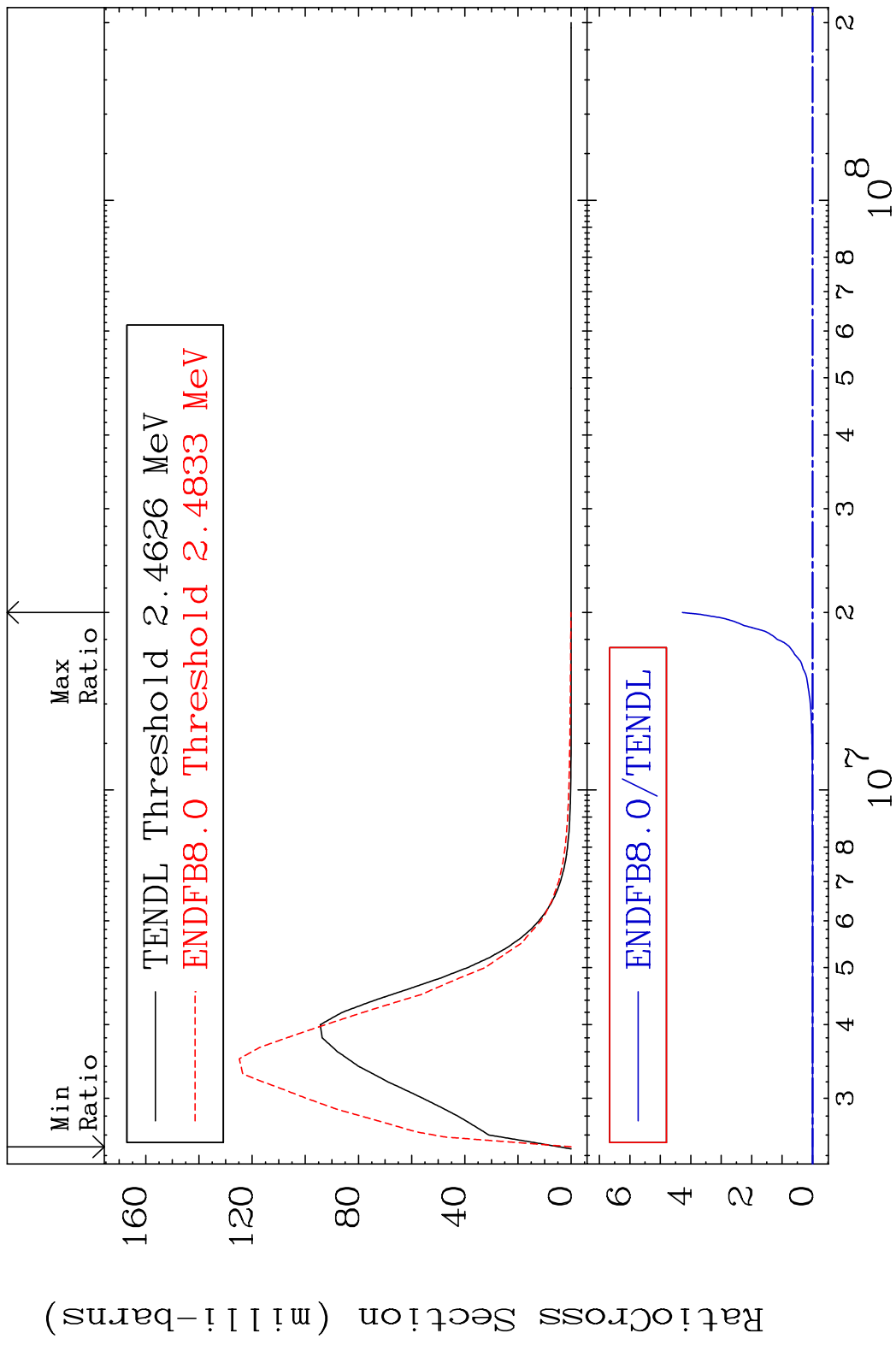


MAT 5461 MT= 57 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 1231. %



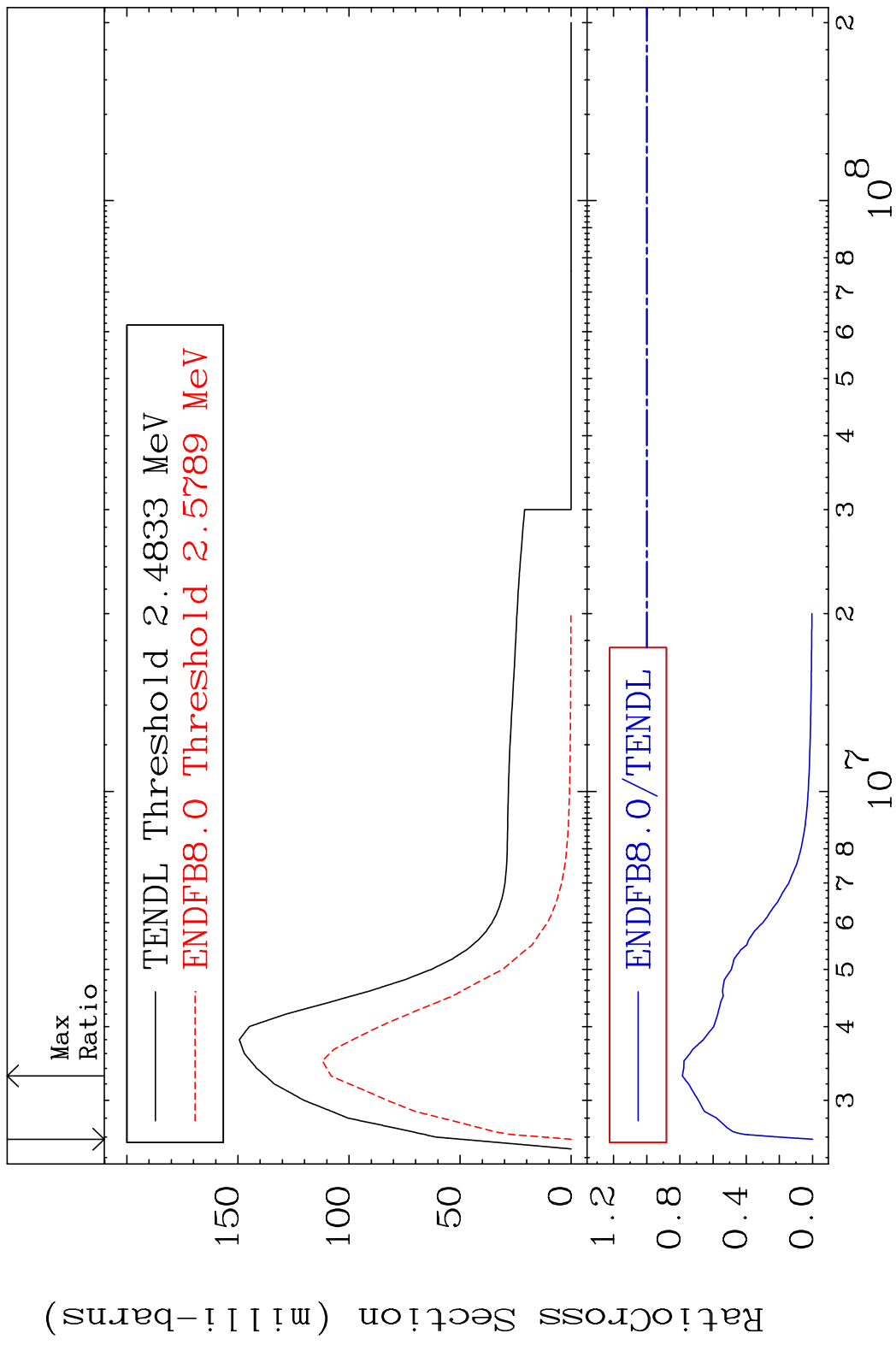
14 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 58 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



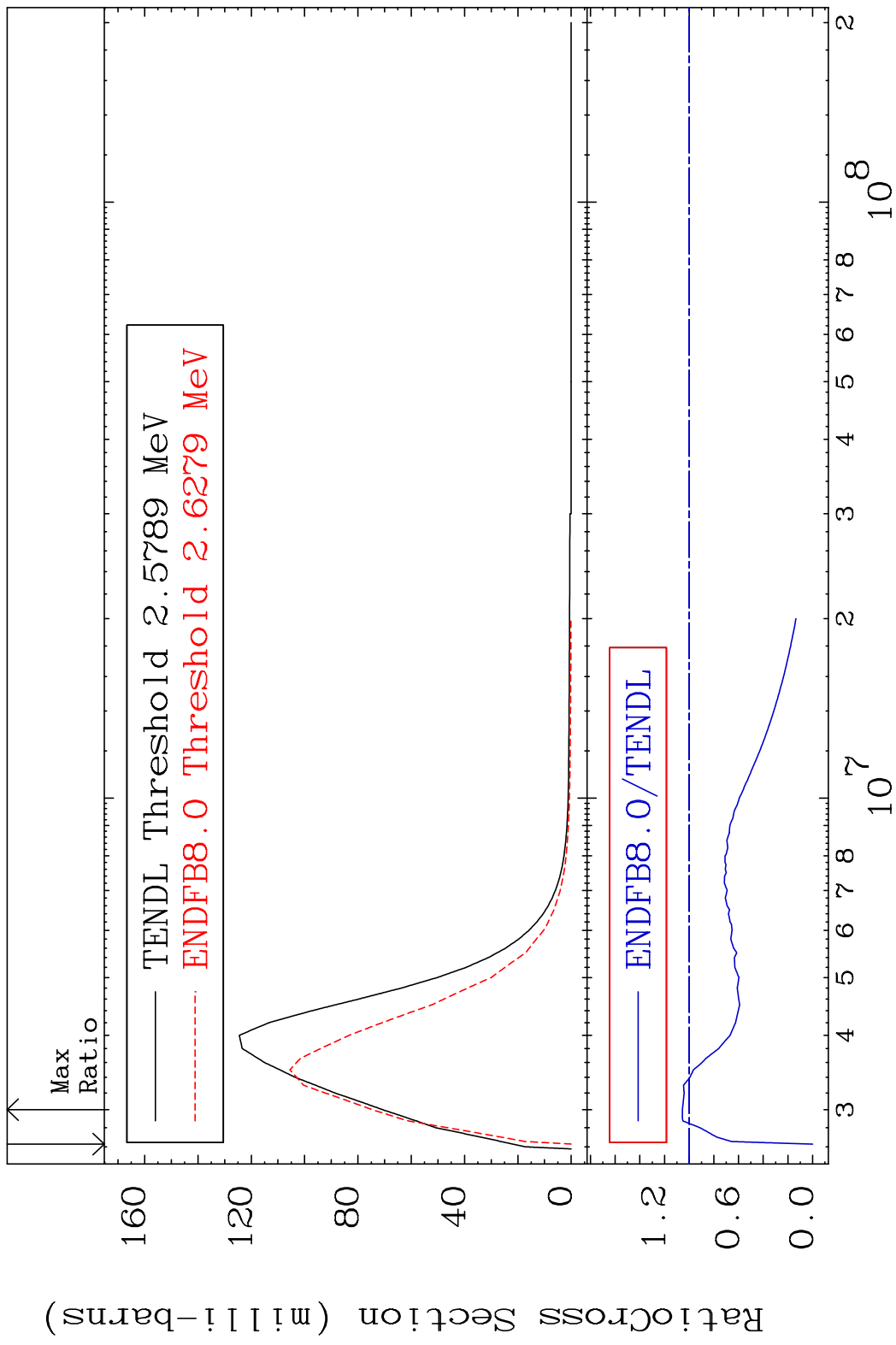
15 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 59 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -21.47%



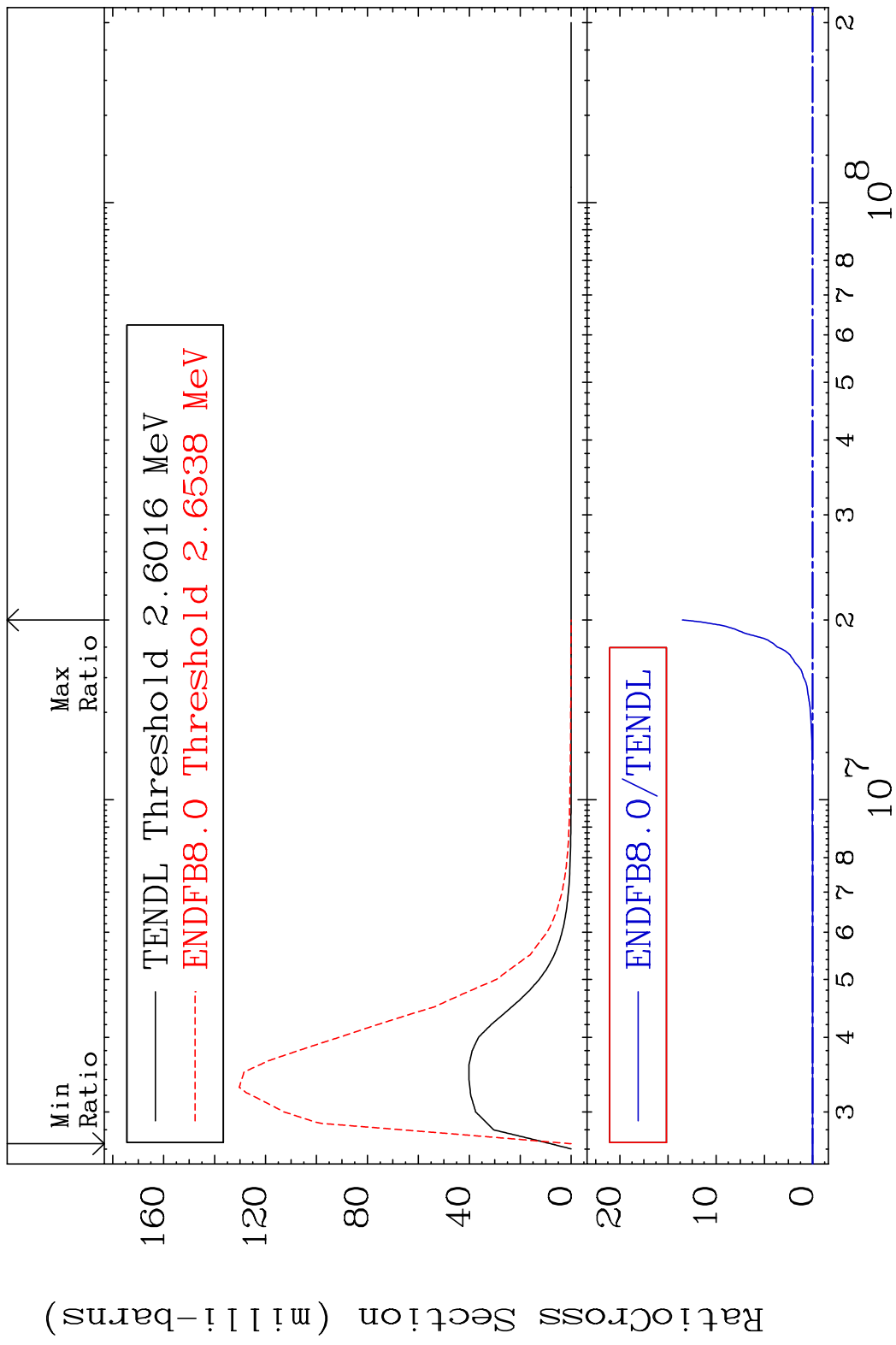
16 54-Xe-136

MAT 5461 MT= 60 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 5.546 %



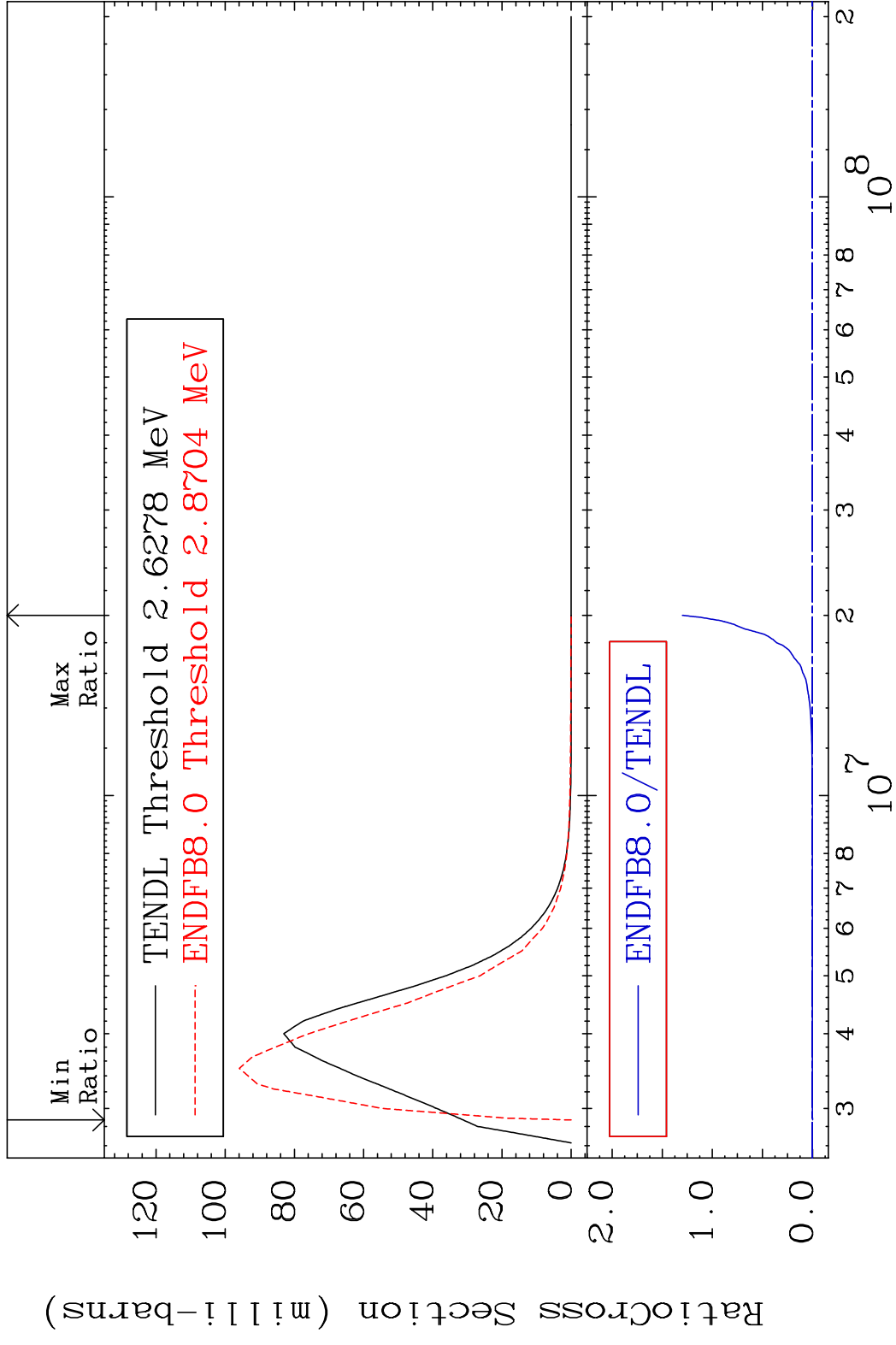
17 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 61 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %

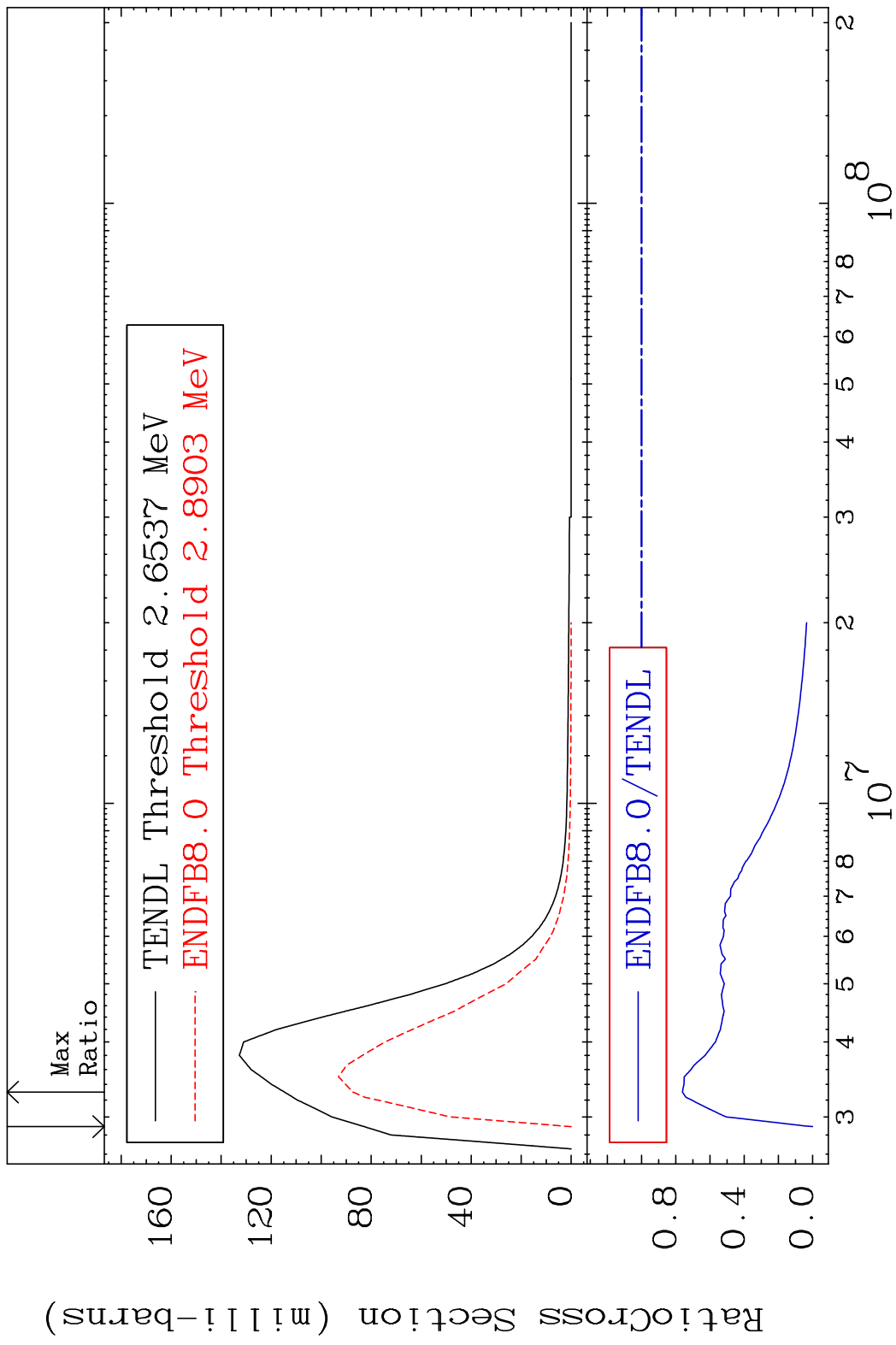


18 54-Xe-136

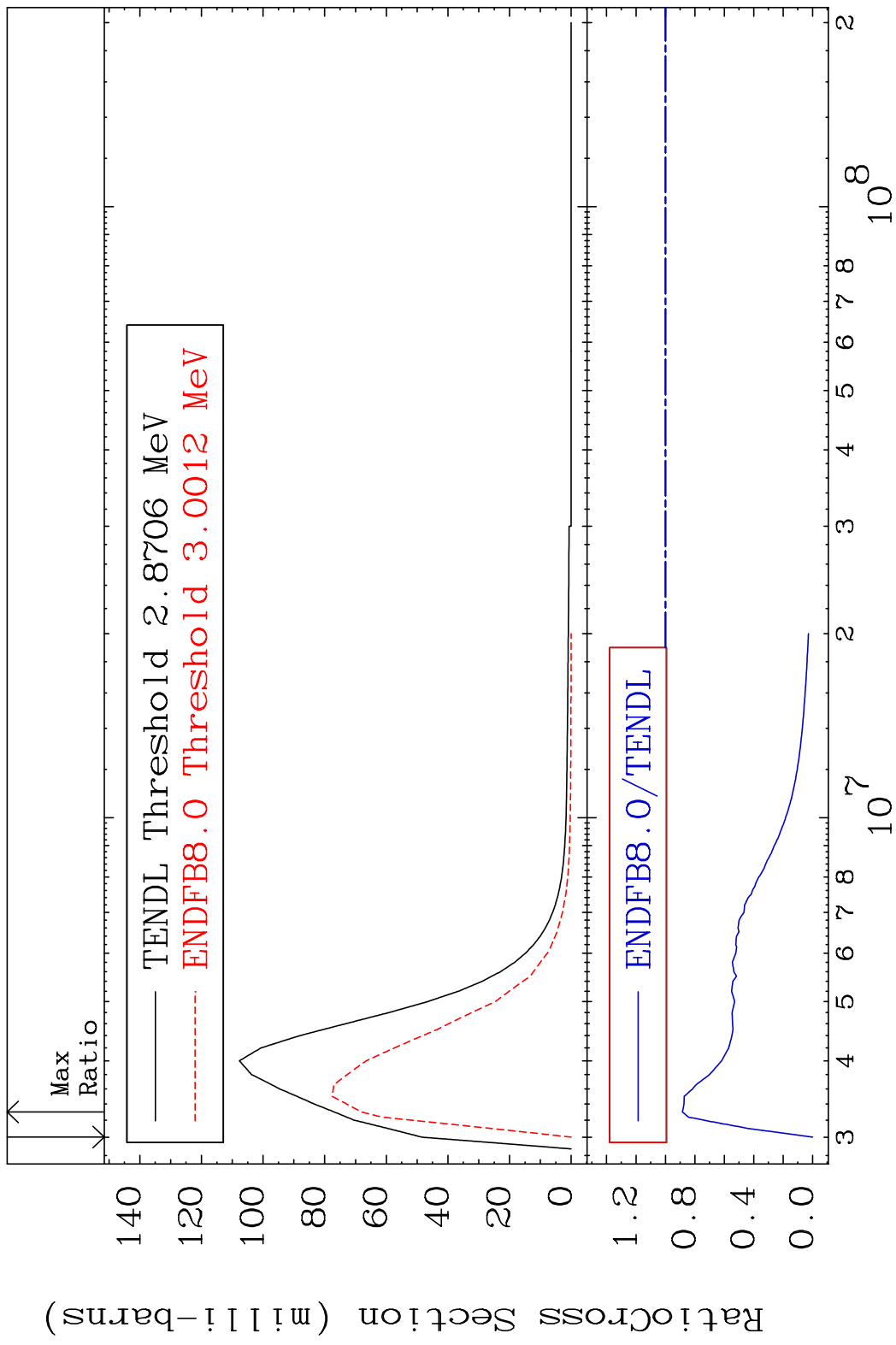
MAT 5461 MT= 62 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



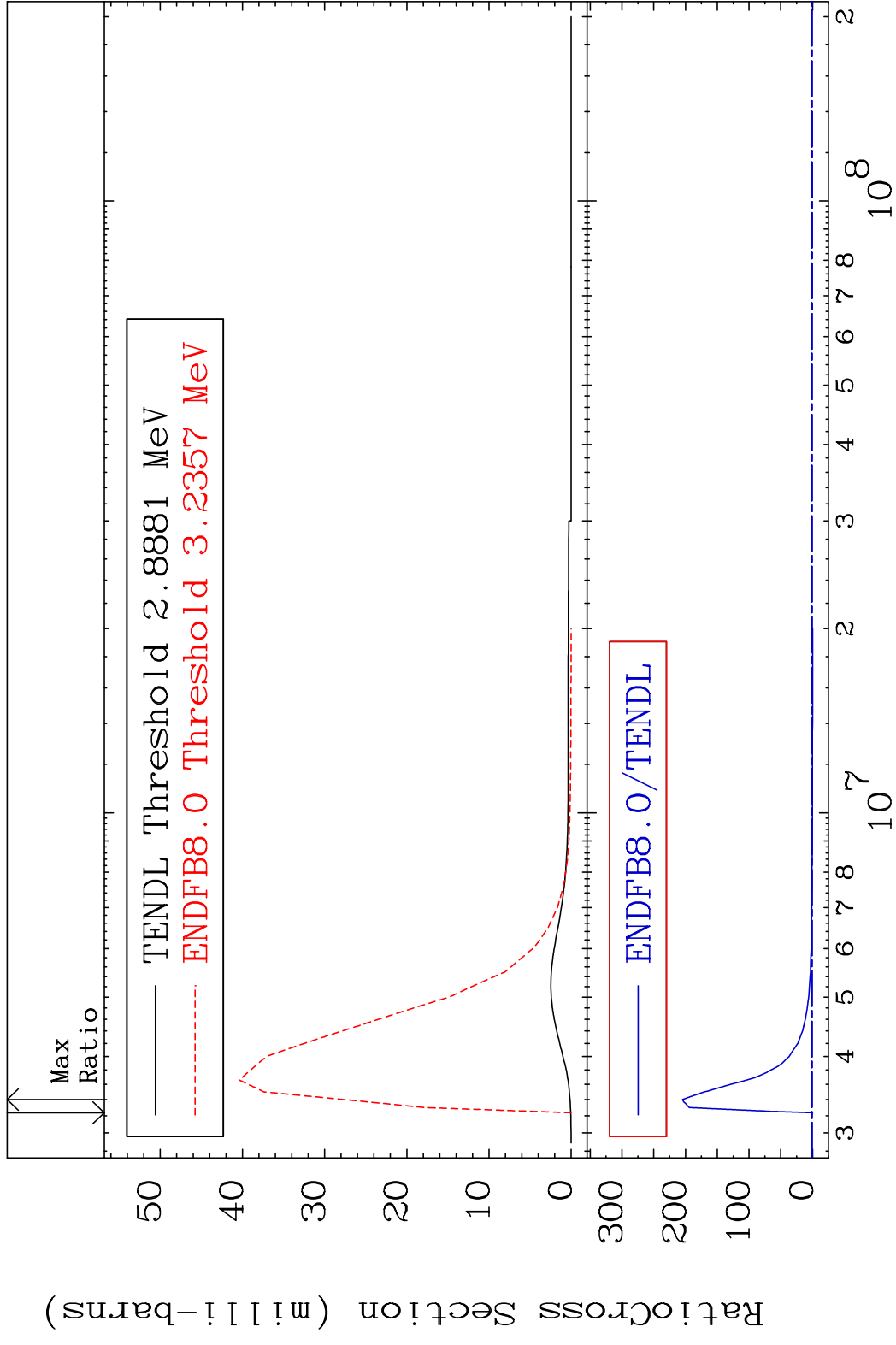
MAT 5461 MT= 63 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -23.82%



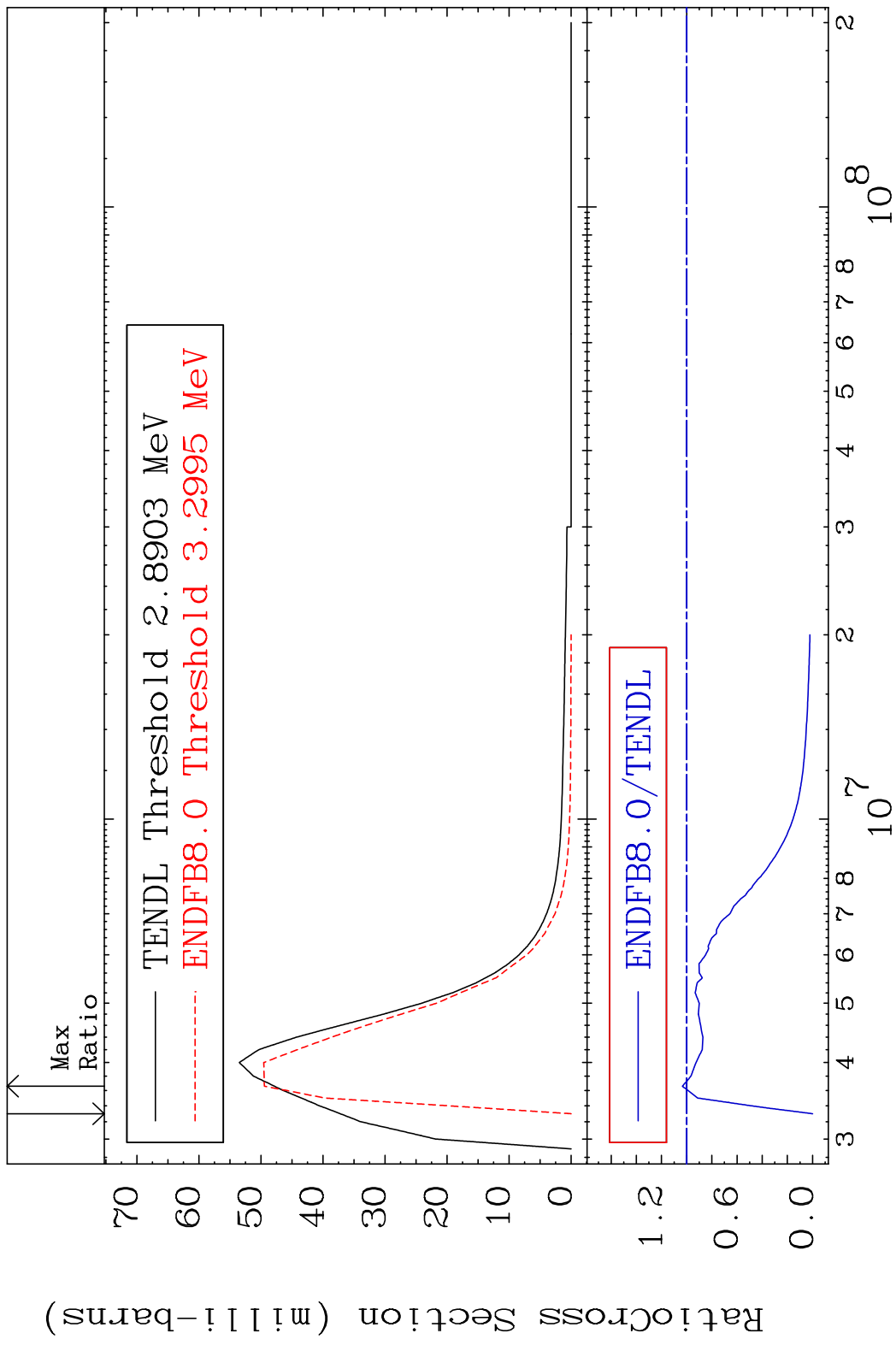
MAT 5461 MT= 64 (n,n') Level 54-Xe-136
 Cross Section -100.0 To -11.51%



MAT 5461 MT= 65 (n,n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



MAT 5461 MT= 66 (n,n') Level 54-Xe-136
 Cross Section -100.0 To 3.432 %



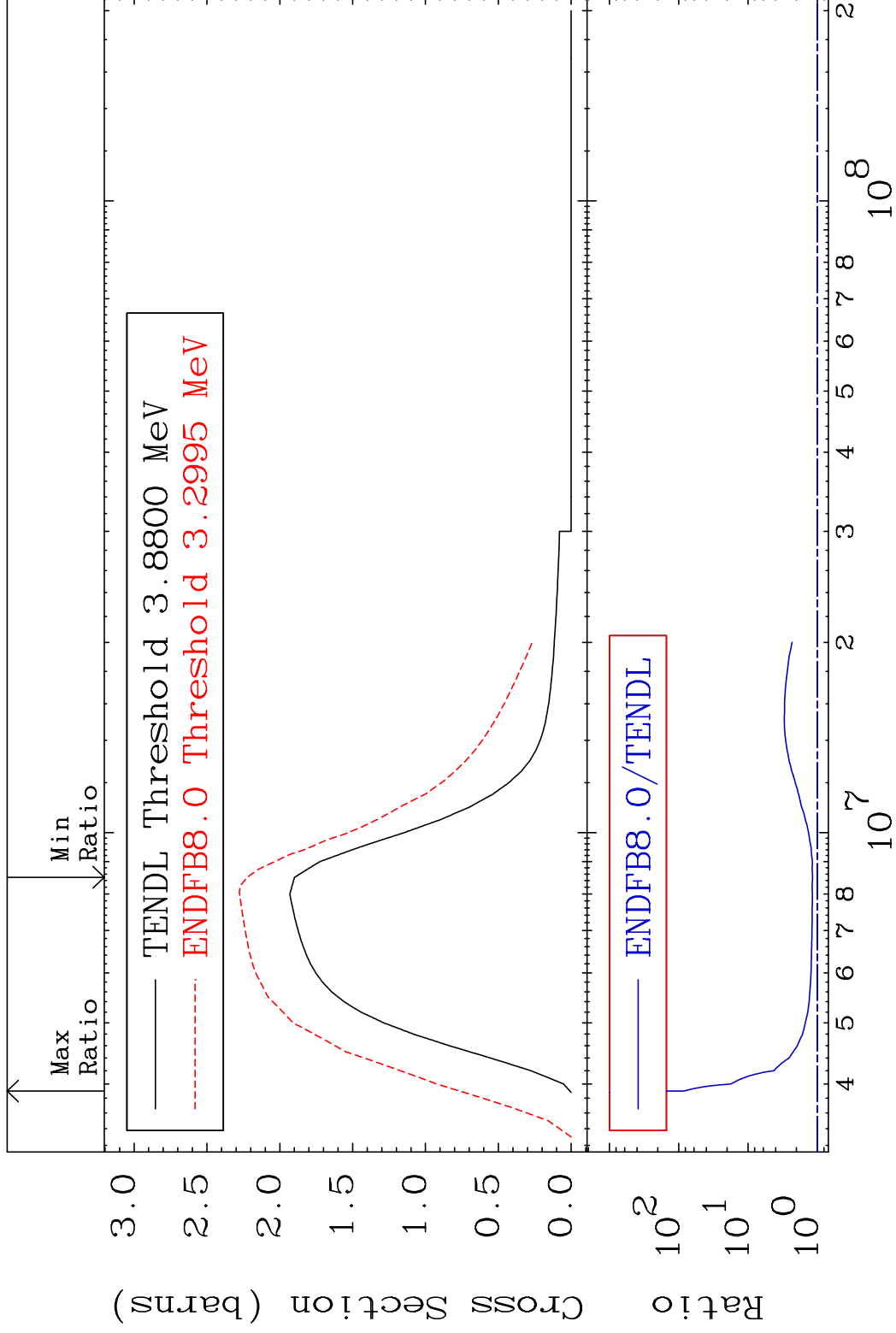
MAT 5461

(n, n') Continuum

54-Xe-136

Cross Section 17.08

To 8753. %

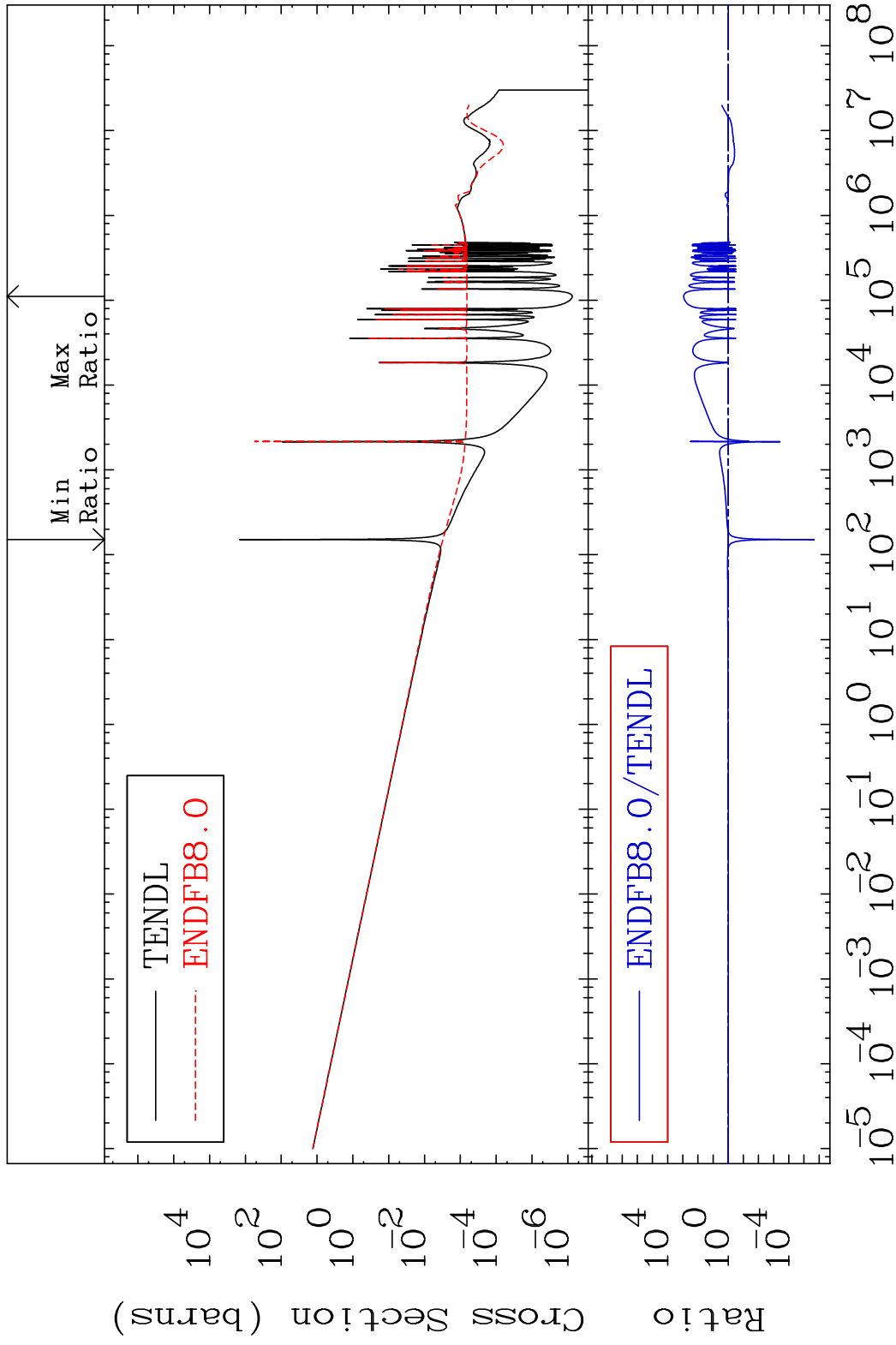


MAT 5461

(n, γ)

54-Xe-136

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

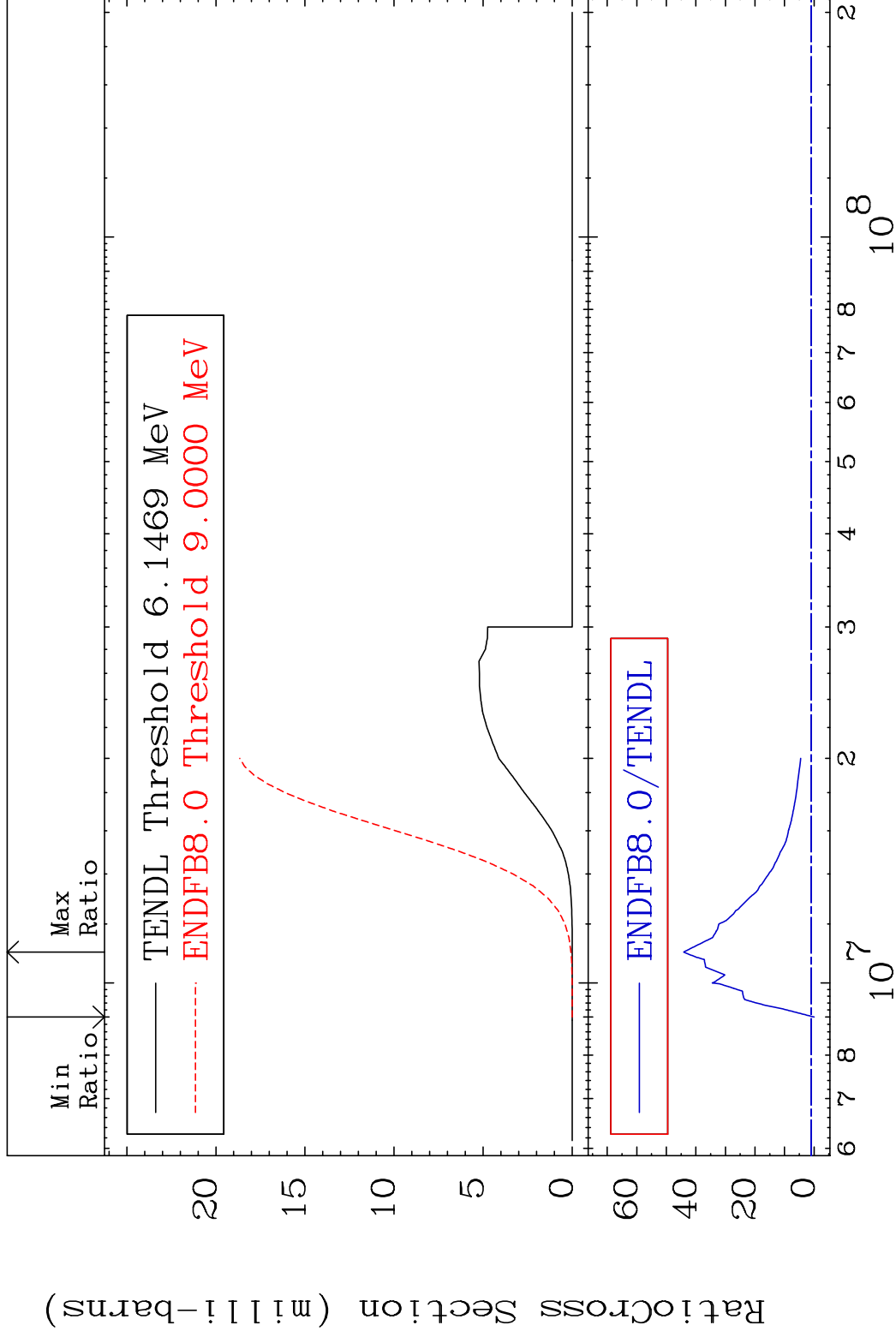
54-Xe-136

MAT 5461

(n,p)

54-Xe-136

Cross Section -100.0 To 4314. %



26

Incident Energy (eV)

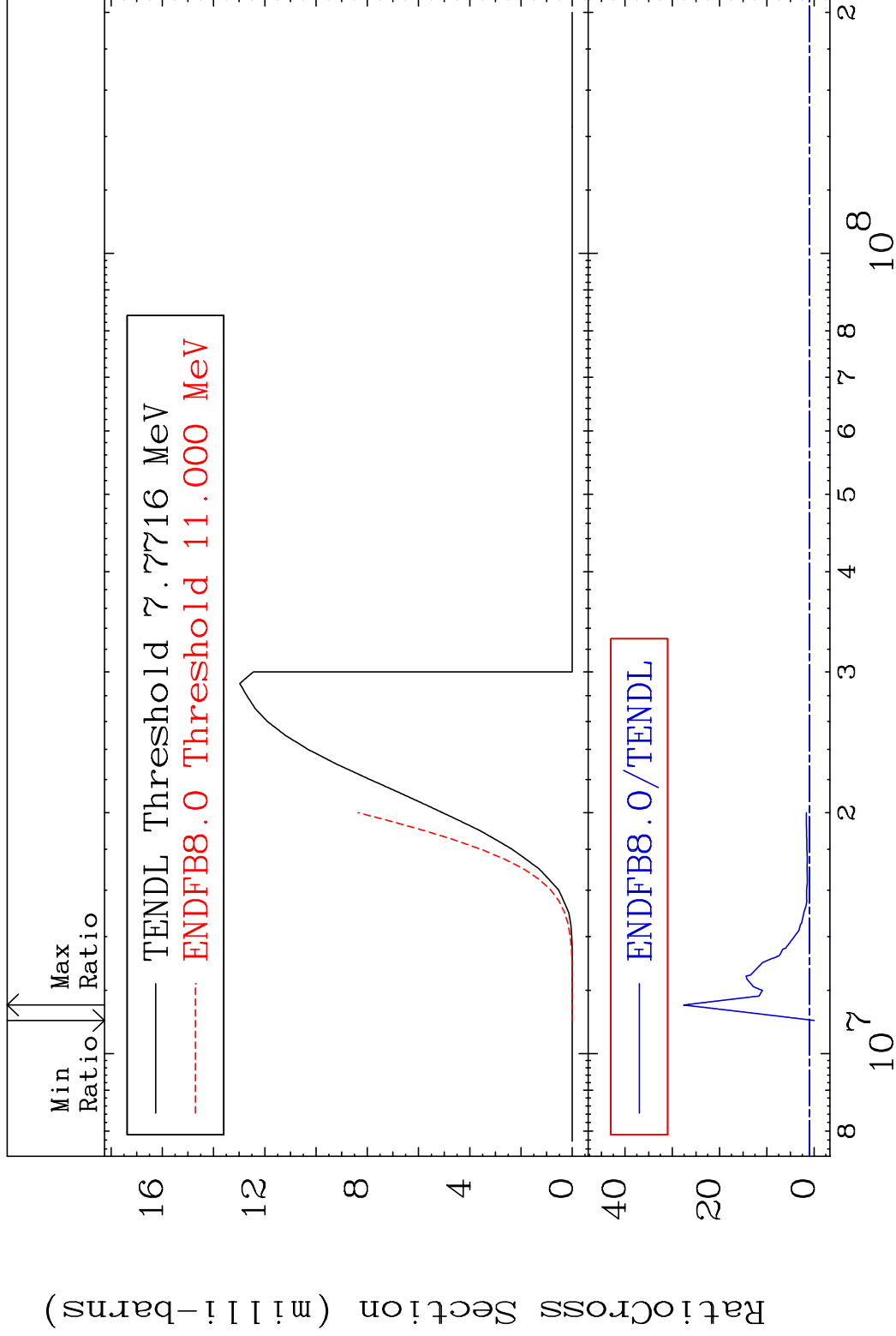
54-Xe-136

MAT 5461

(n,d)

54-Xe-136

Cross Section -100.0 To 2660. %



27

Incident Energy (eV)

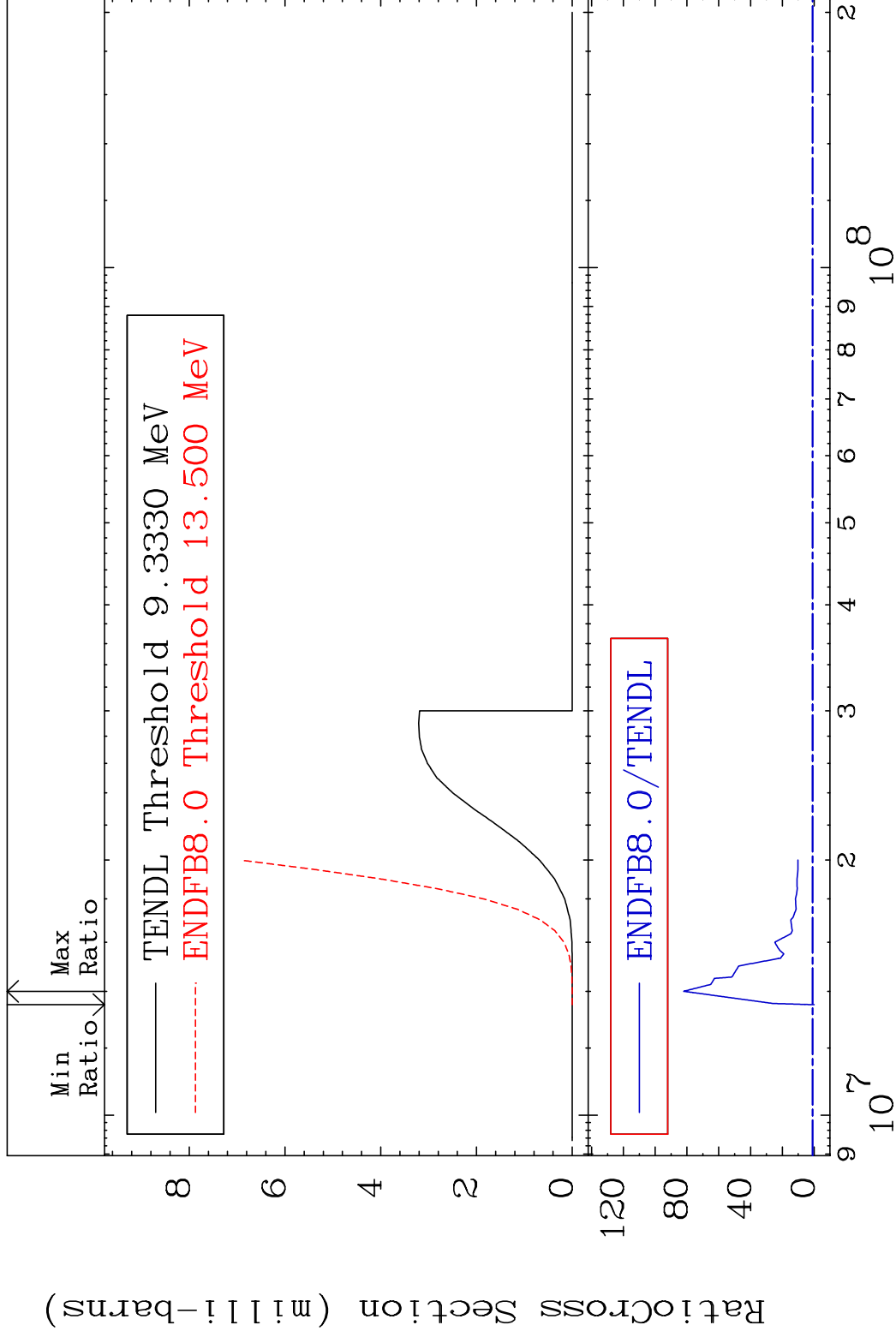
54-Xe-136

MAT 5461

(n, t)

54-Xe-136

Cross Section -100.0 To 8108. %



28

Incident Energy (eV)

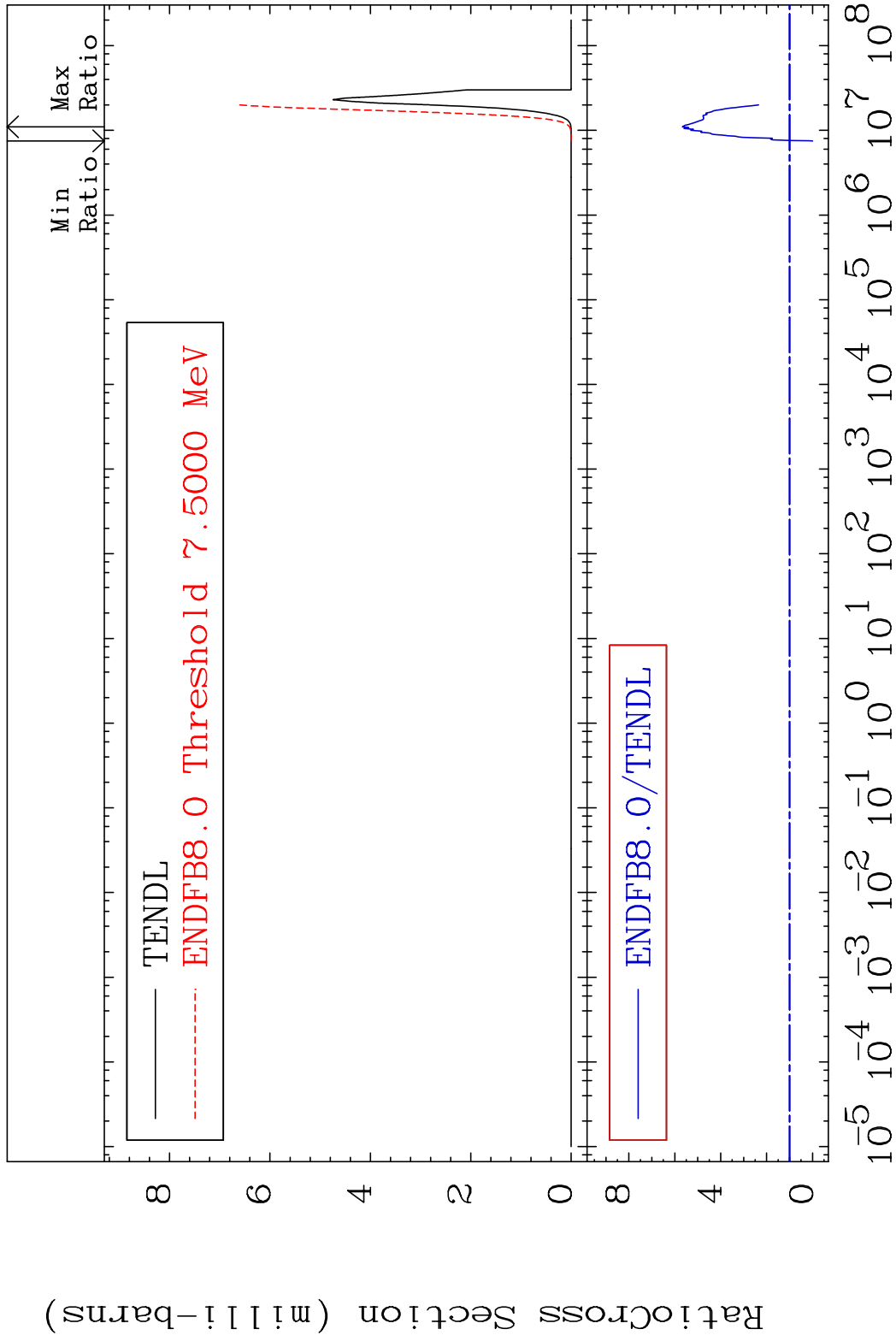
54-Xe-136

MAT 5461

(n, α)

54-Xe-136

Cross Section -100.0 To 467.1 %



29

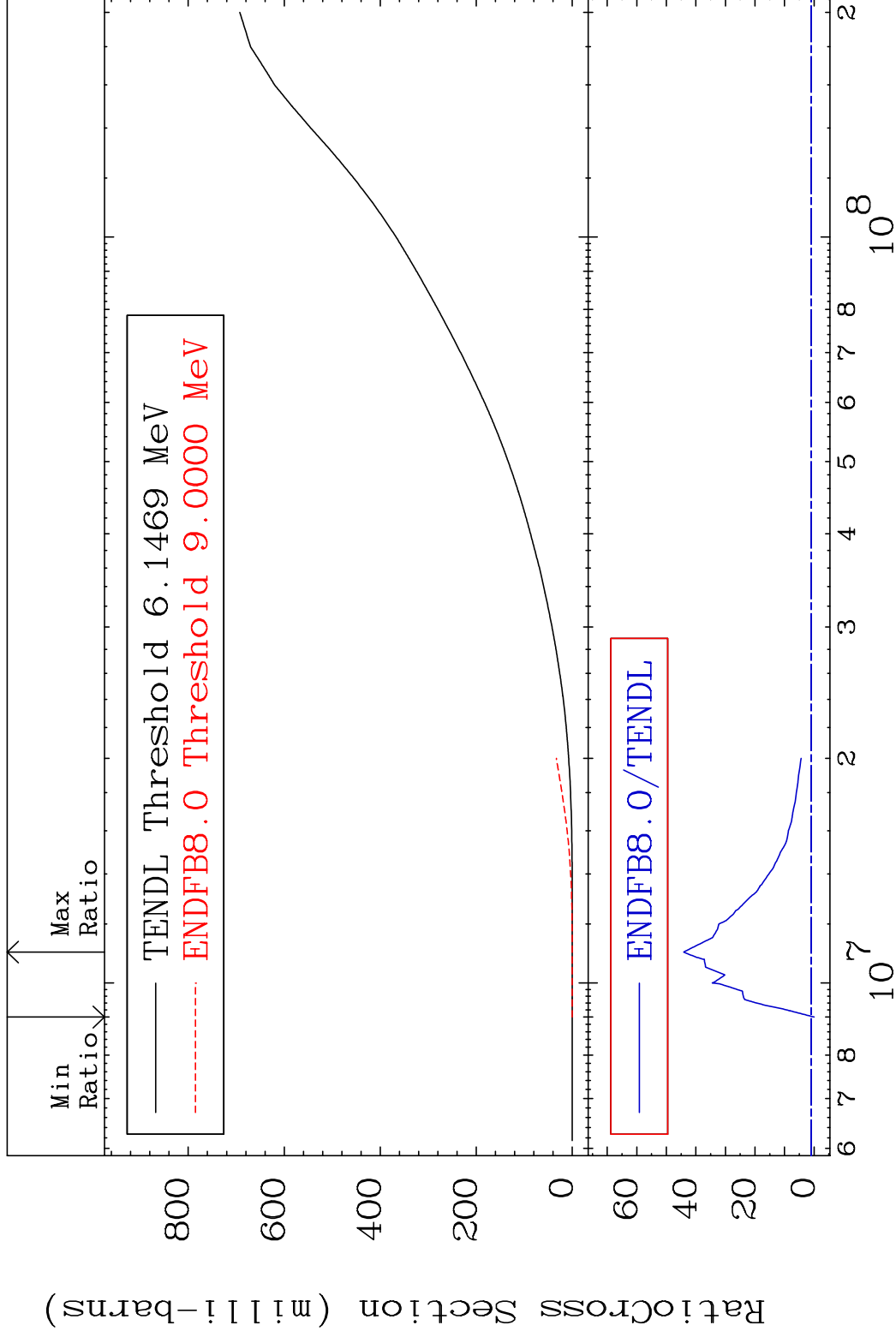
Incident Energy (eV)

54-Xe-136

MAT 5461

Hydrogen Production 54-Xe-136

Cross Section -100.0 To 4314. %



30

Incident Energy (eV)

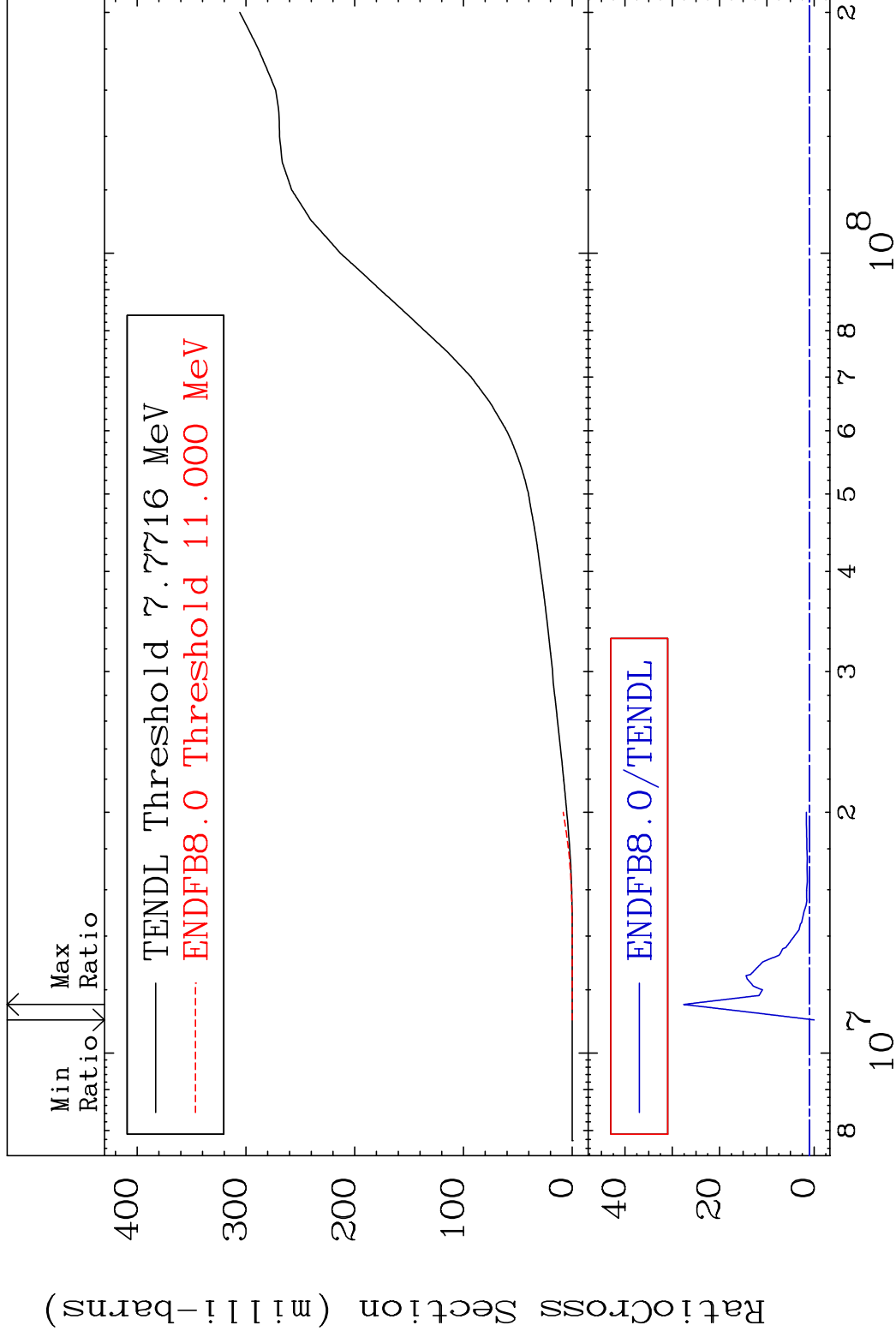
54-Xe-136

MAT 5461

Deuterium Production

54-Xe-136

Cross Section -100.0 To 2660. %



31

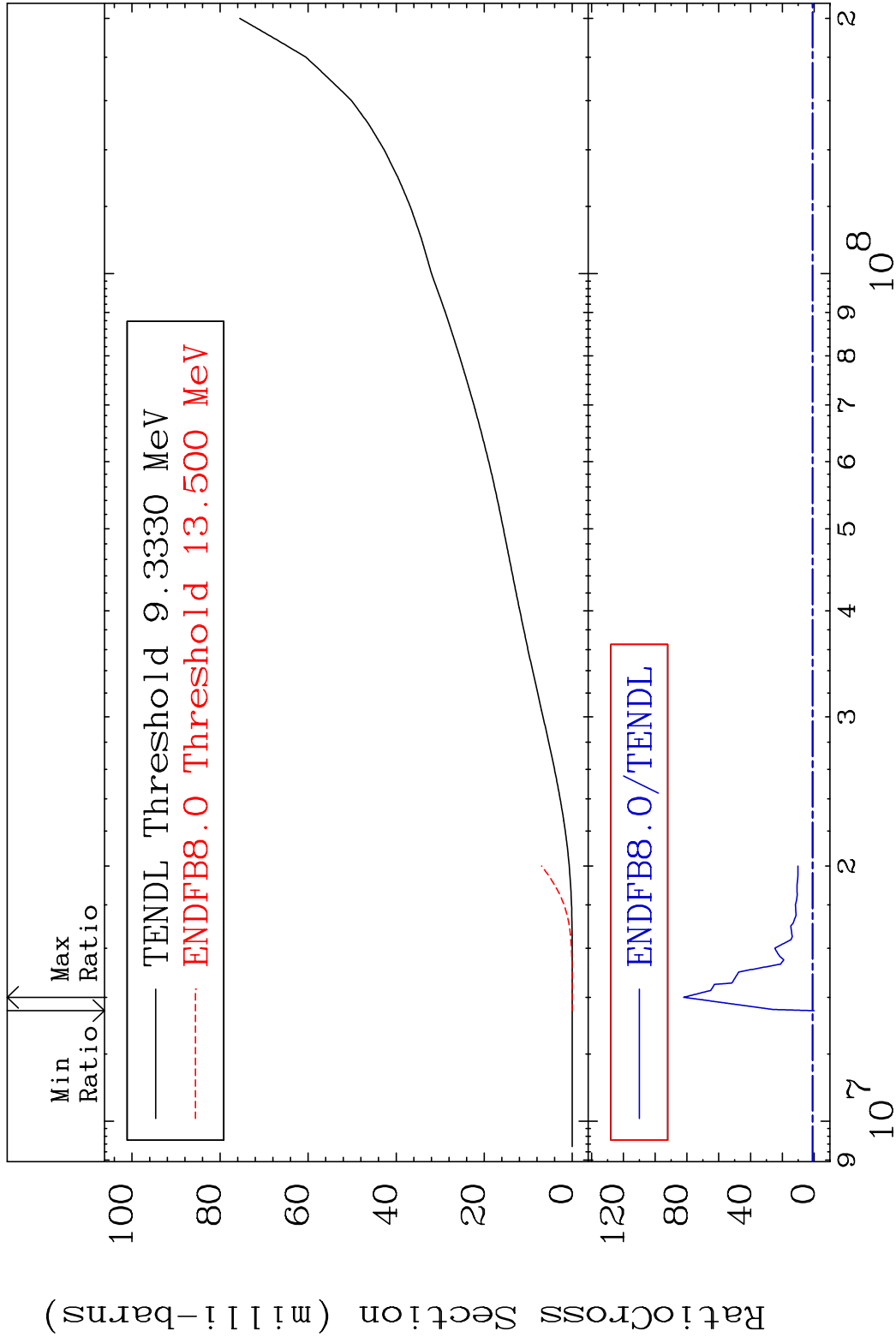
Incident Energy (eV)

54-Xe-136

MAT 5461

Tritium Production 54-Xe-136

Cross Section -100.0 To 8108. %



32

Incident Energy (eV)

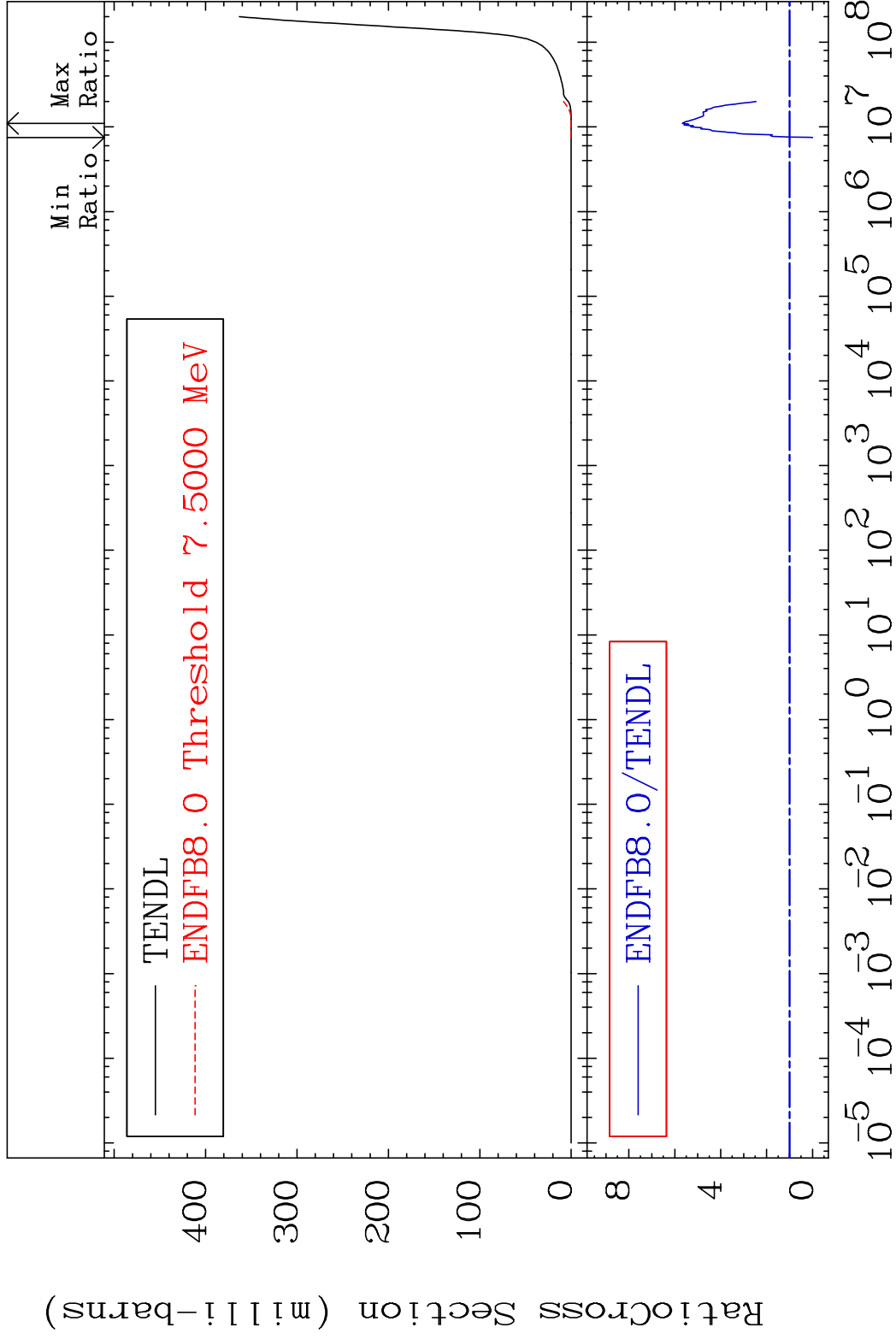
54-Xe-136

MAT 5461

He-4 Production

54-Xe-136

Cross Section -100.0 To 467.1 %

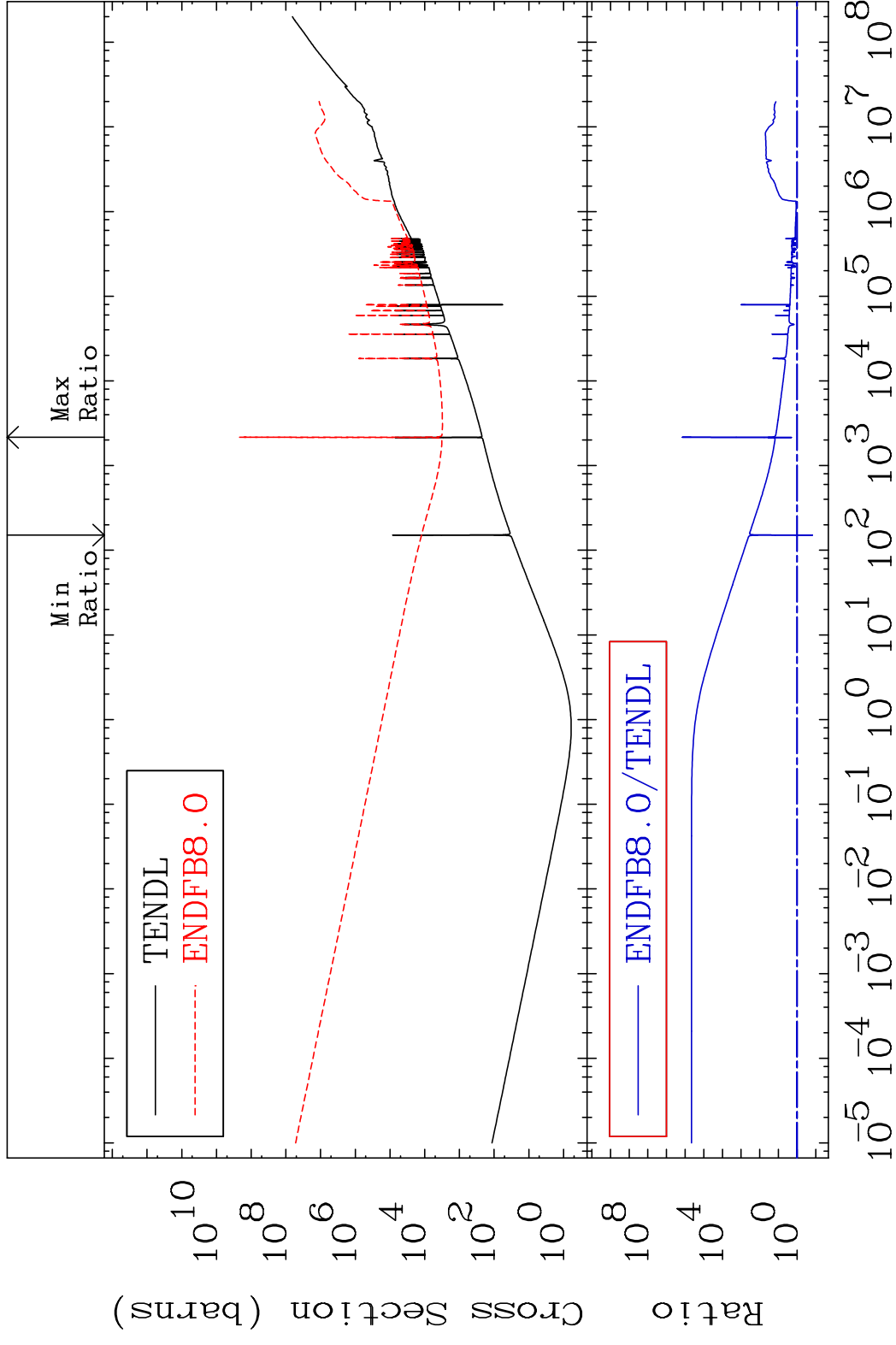


33

Incident Energy (eV)

54-Xe-136

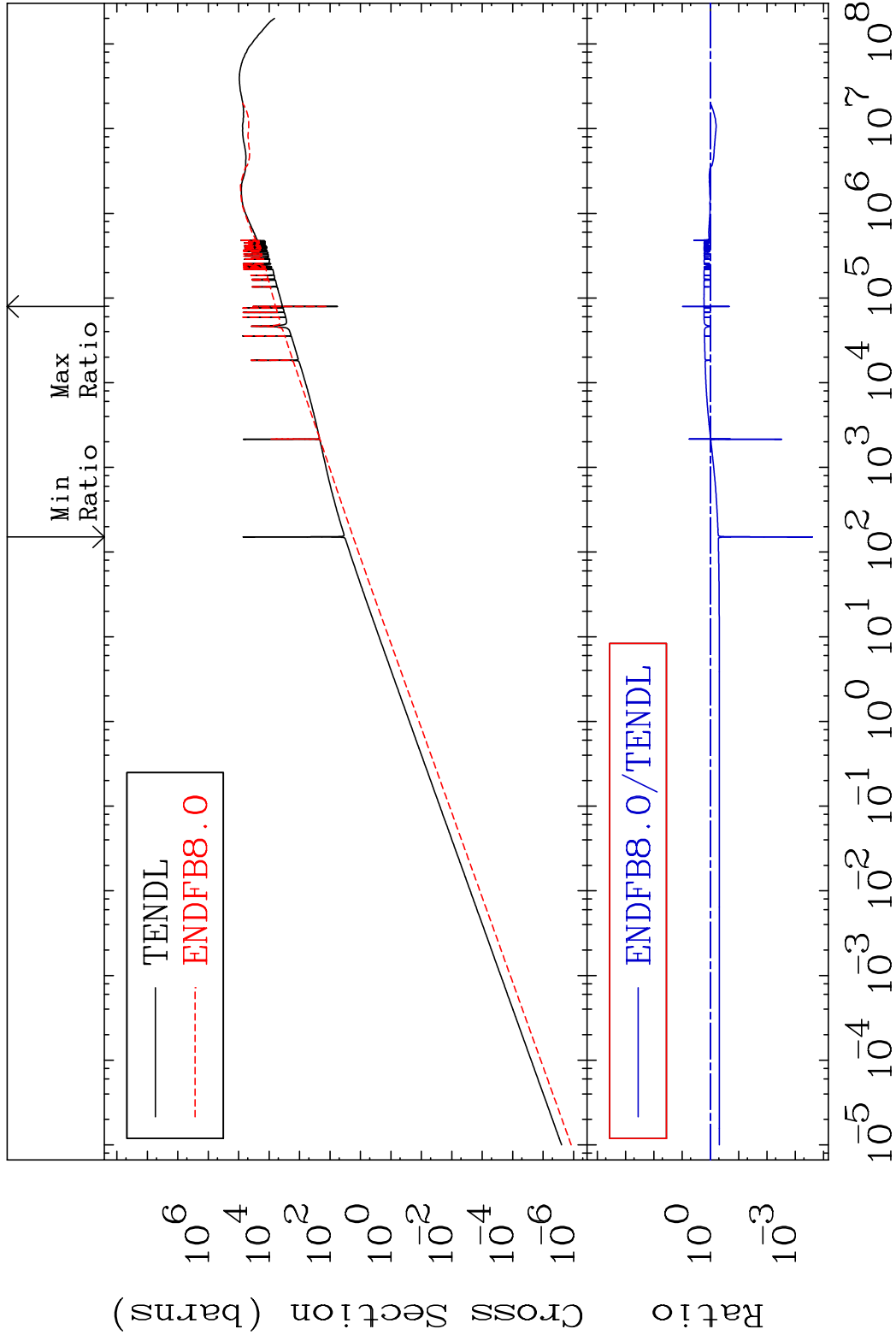
MAT 5461 Kerma total (eV-barns) 54-Xe-136
 Cross Section -85.20 To 9999. %



MAT 5461

Kerma elastic
Cross Section

54-Xe-136
-99.98 To 883.8 %

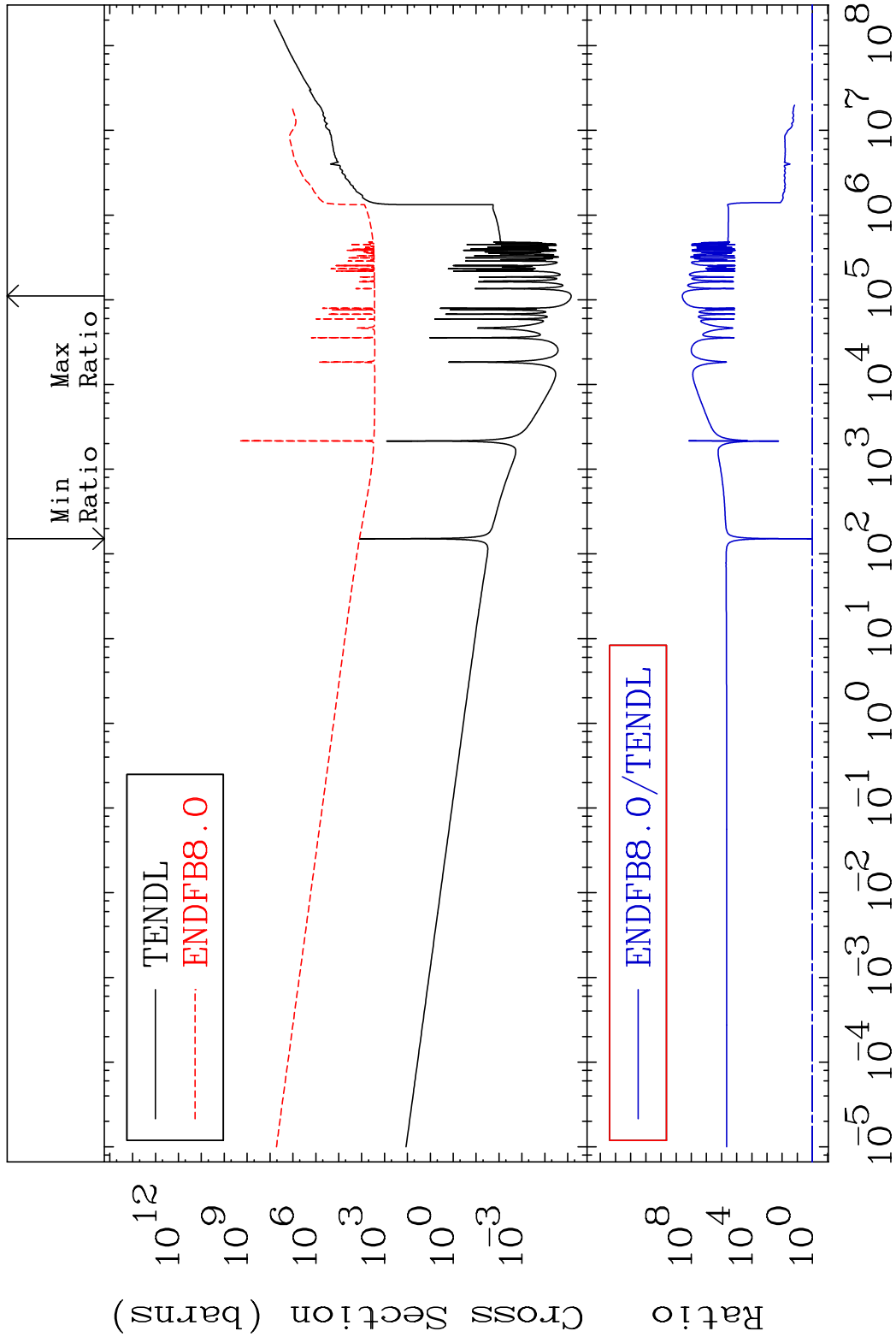


35

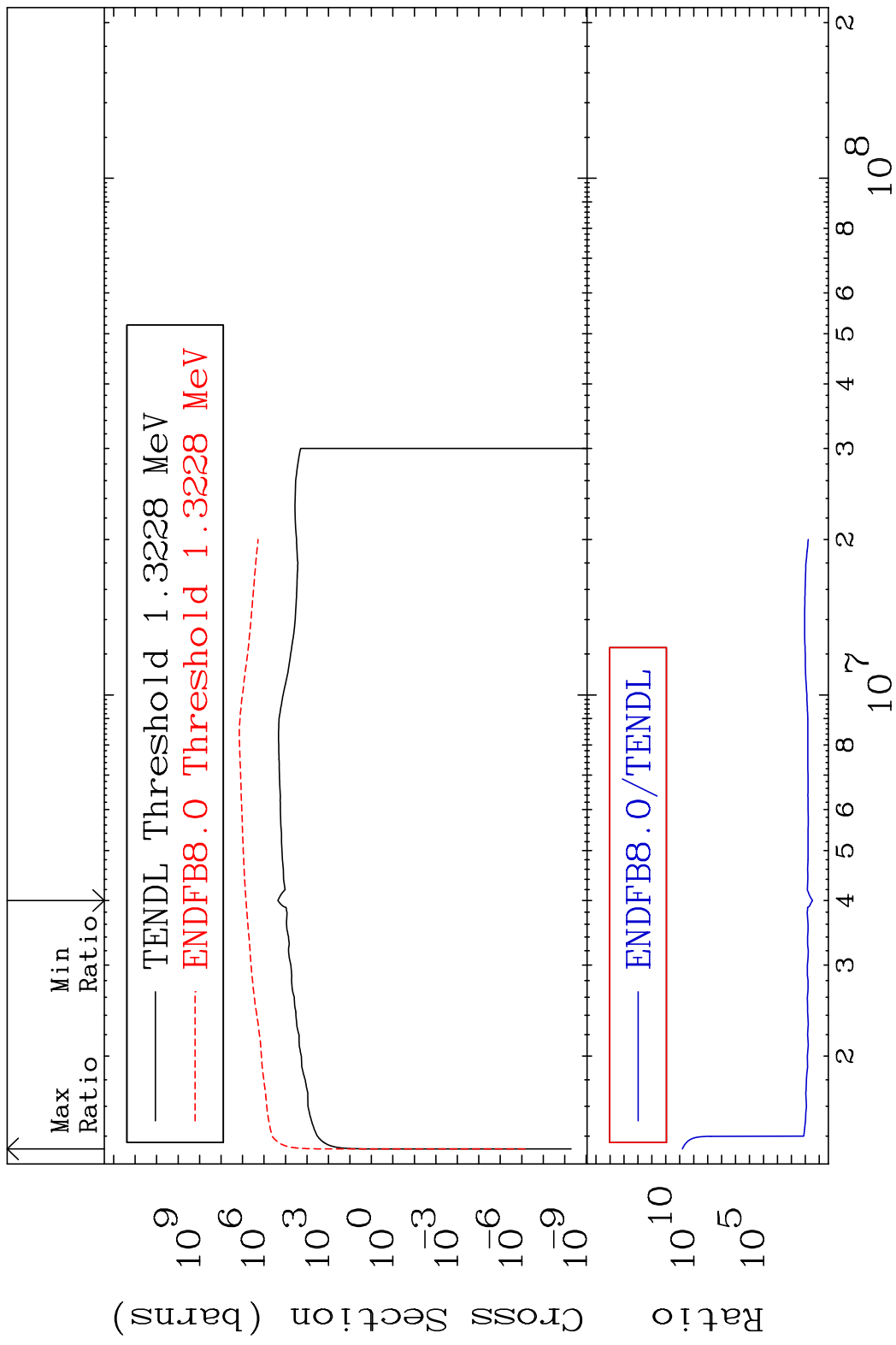
Incident Energy (eV)

54-Xe-136

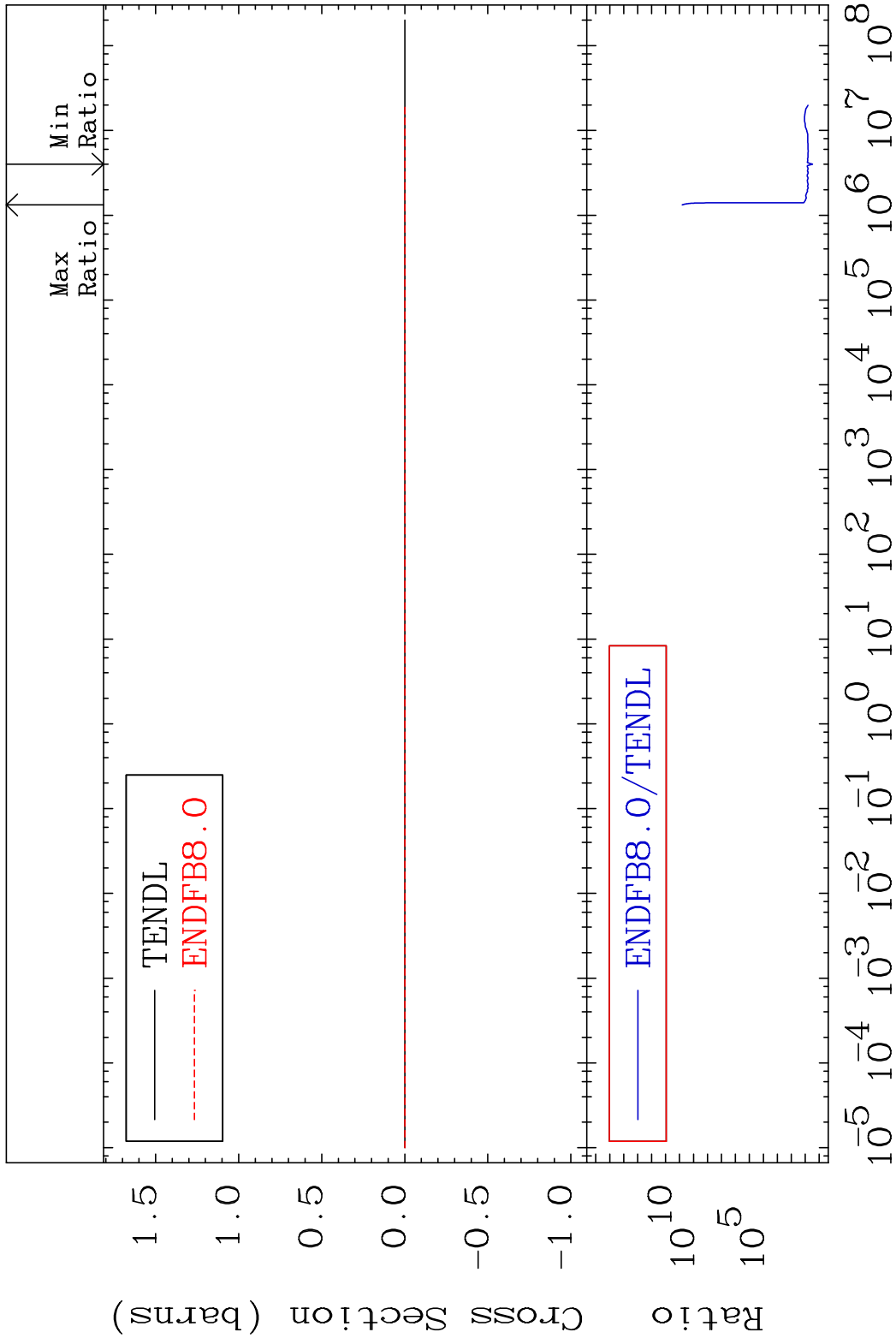
MAT 5461 Kerma non-elastic (all but mt2) 54-Xe-136
 Cross Section -1.705 To 9999. %



MAT 5461 Kerma inelastic (mt51-91) 54-Xe-136
 Cross Section 2933. To 9999. %



MAT 5461 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-136
 Cross Section 2933. To 9999. %

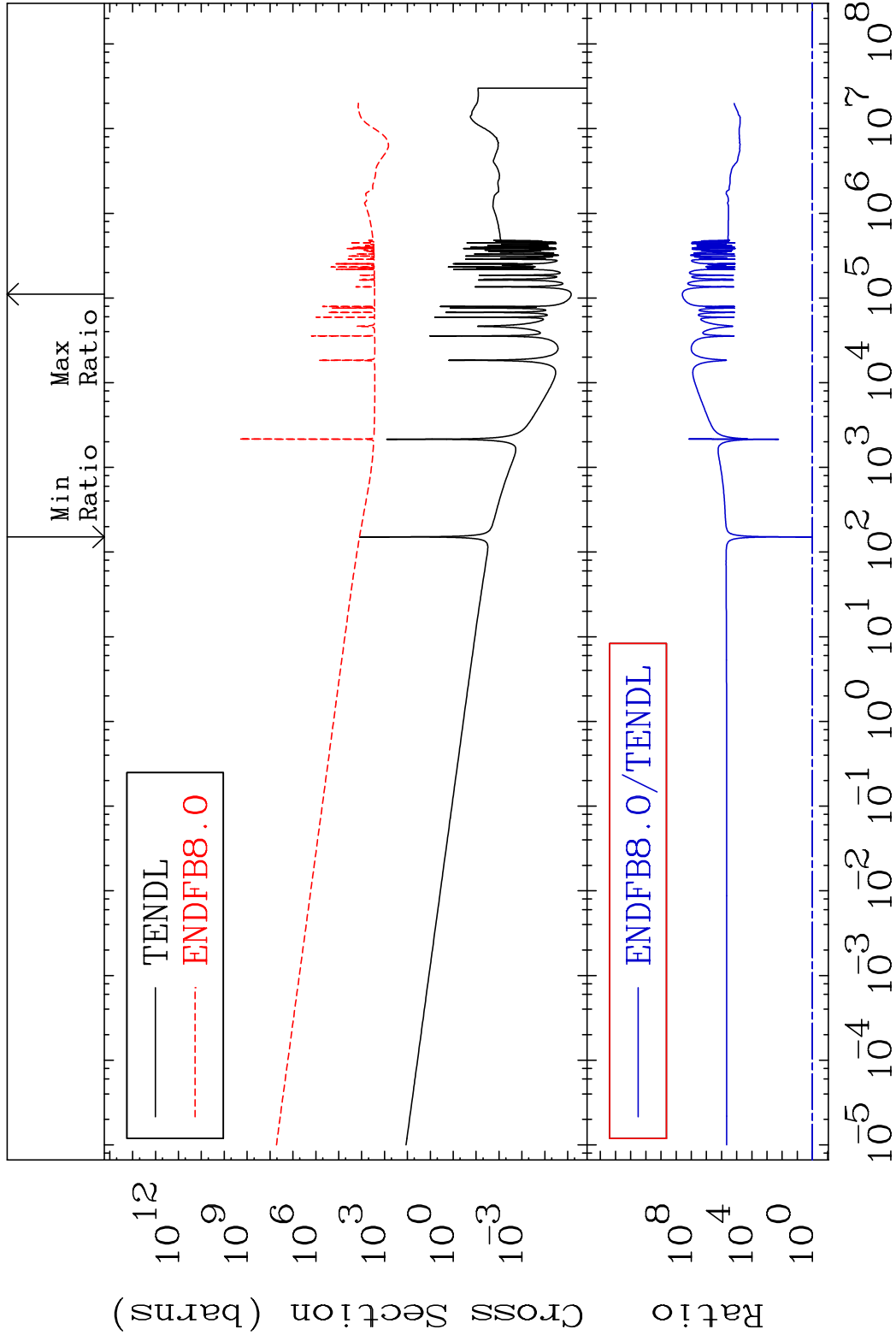


MAT 5461

Kerma capture (mt102)

54-Xe-136

Cross Section -1.705 To 9999. %

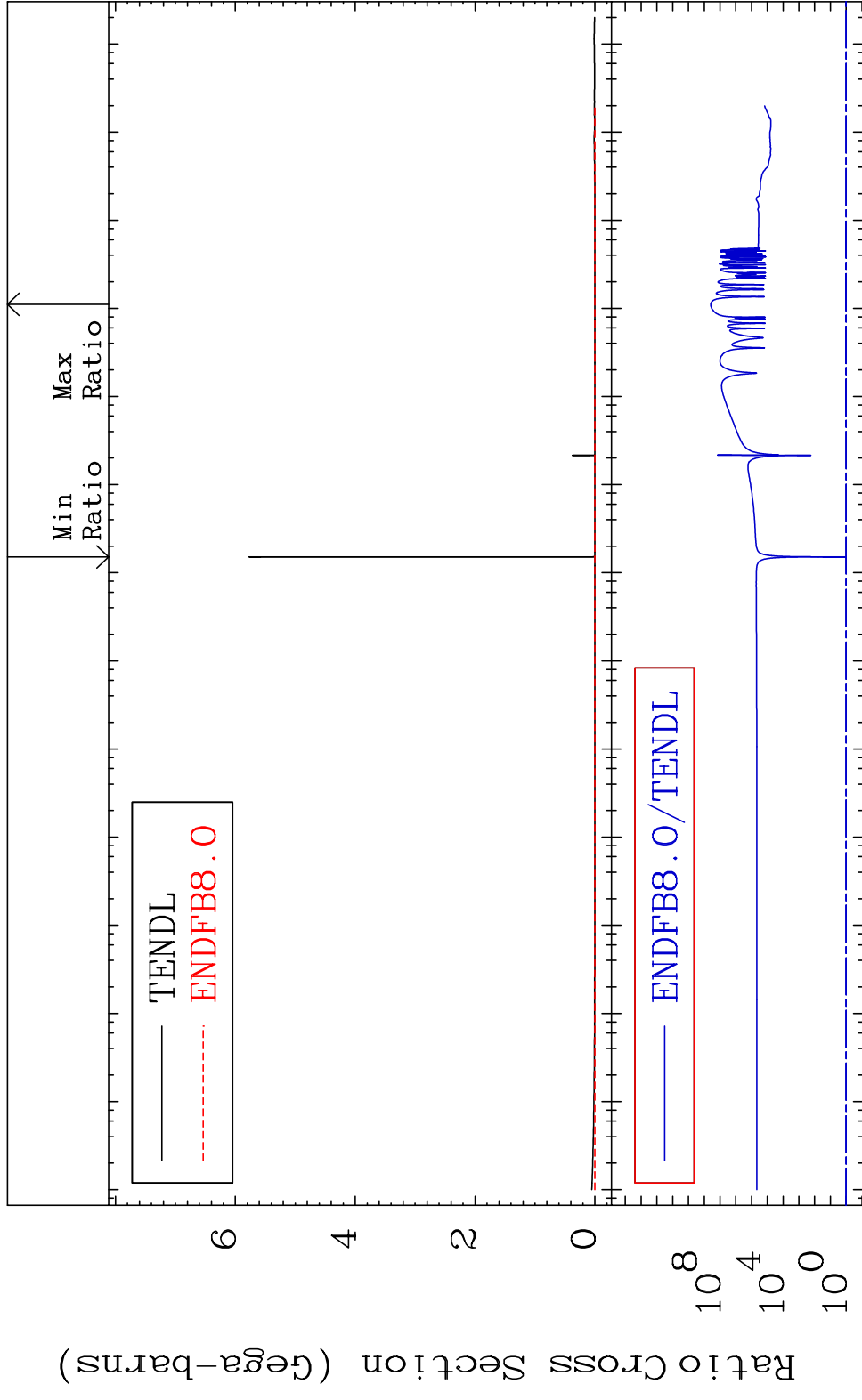


39

Incident Energy (eV)

54-Xe-136

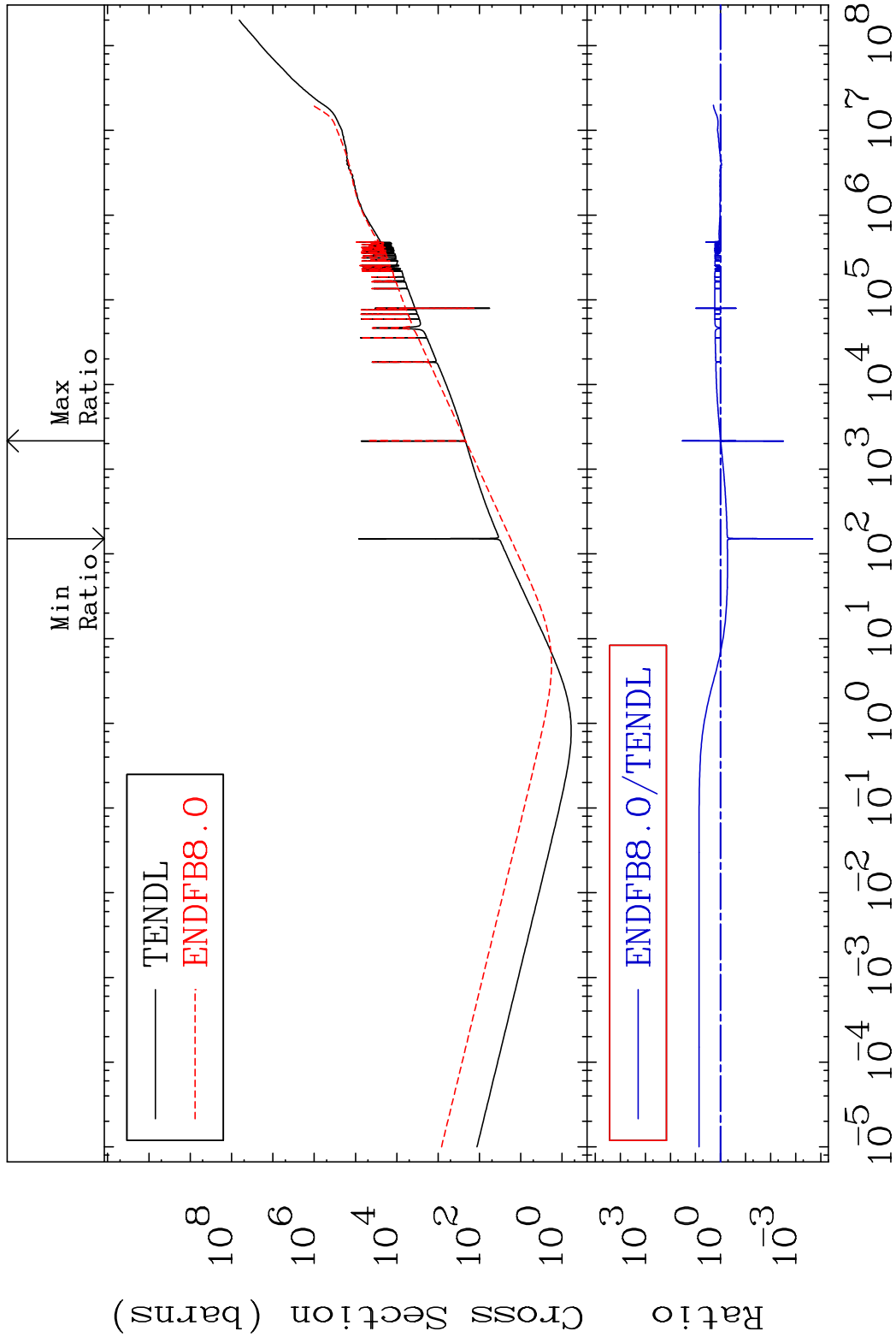
MAT 5461 Total photon (eV-barns) 54-Xe-136
 Cross Section -1.705 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

40 Incident Energy (eV) 54-Xe-136

MAT 5461 Total kinematic kerma (high limit) 54-Xe-136
 Cross Section -99.98 To 3240. %

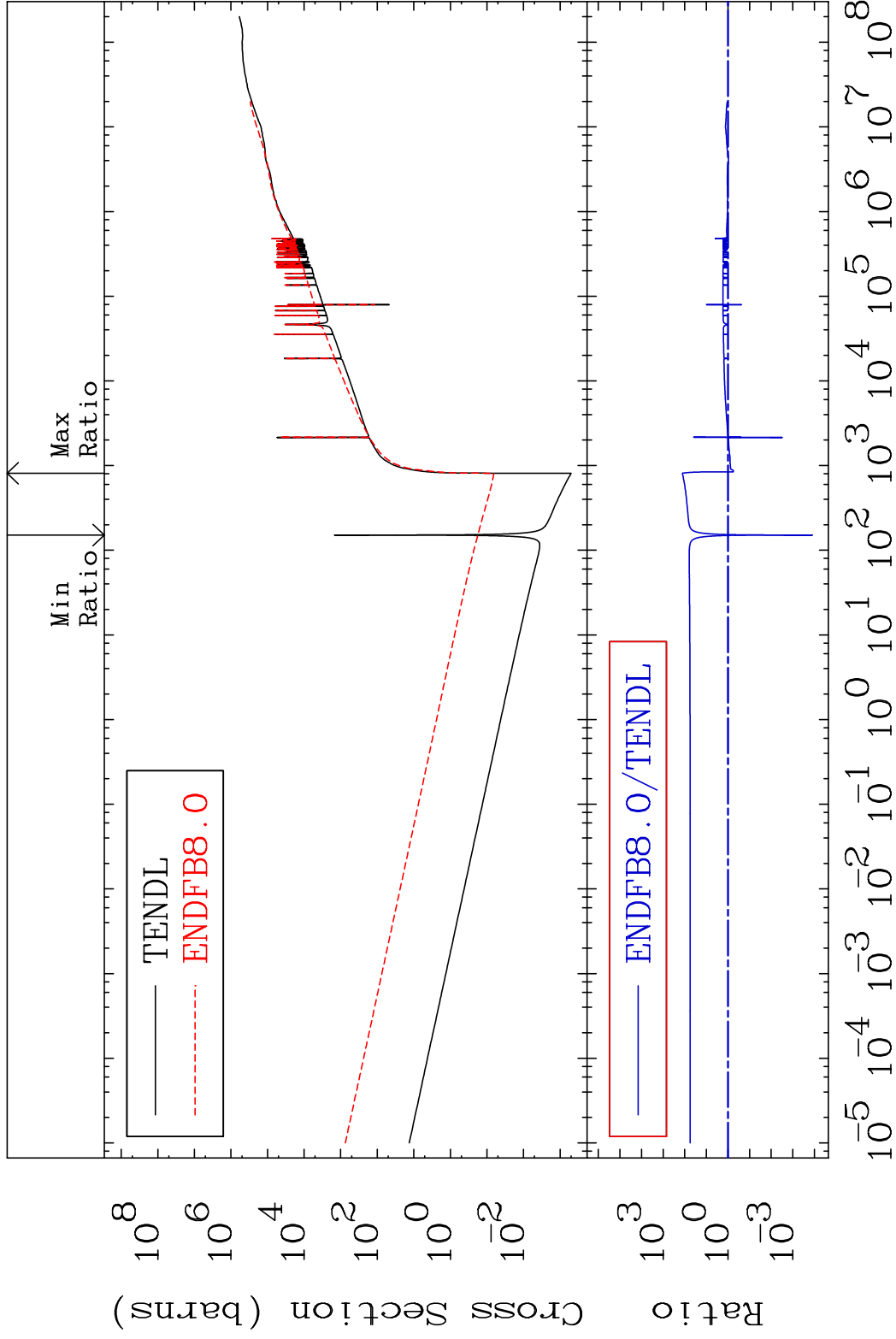


MAT 5461

Dpa total (eV-barns)

54-Xe-136

Cross Section -99.99 To 9999. %



42

Incident Energy (eV)

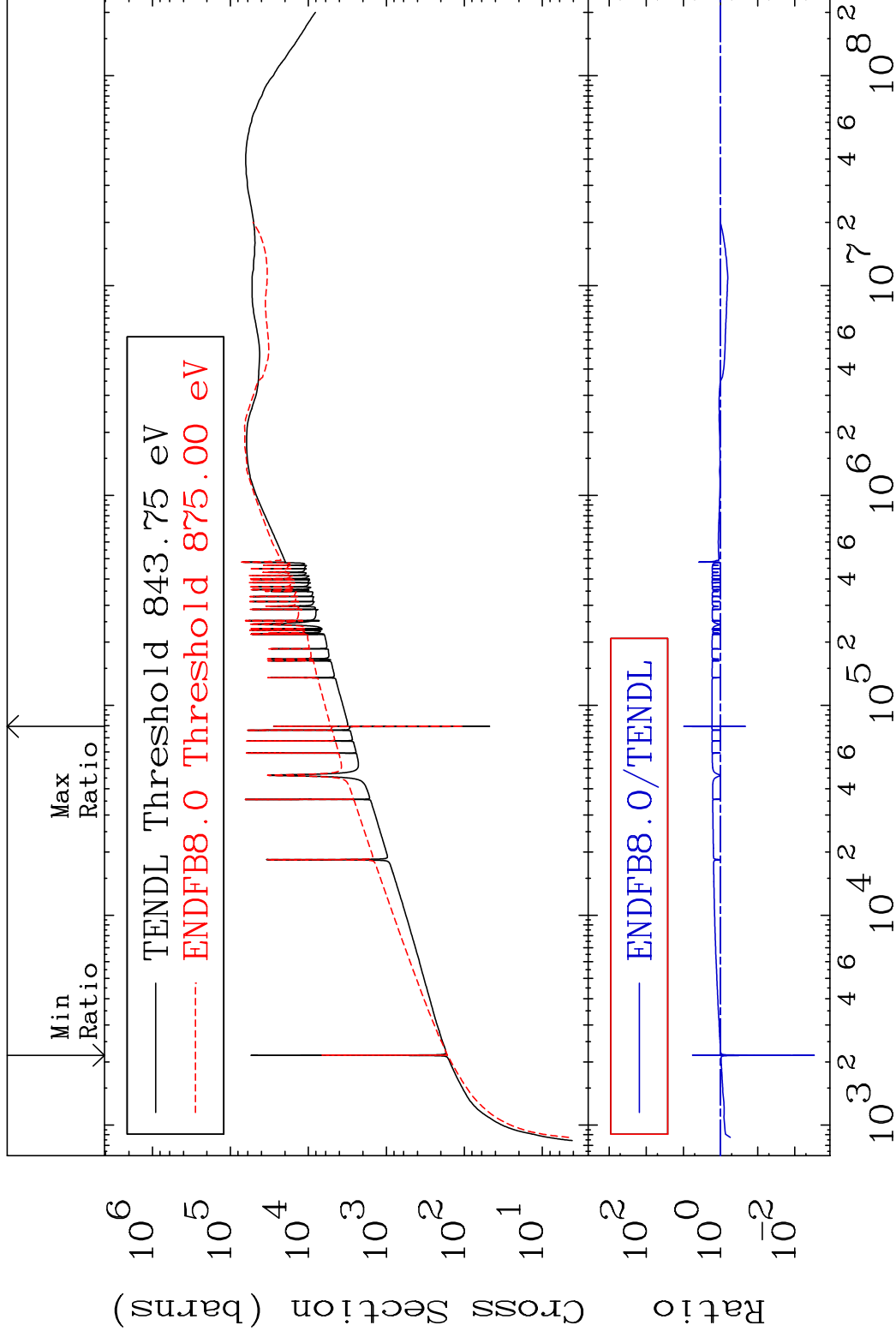
54-Xe-136

MAT 5461

Dpa elastic (mt2)

54-Xe-136

Cross Section -99.70 To 884.0 %

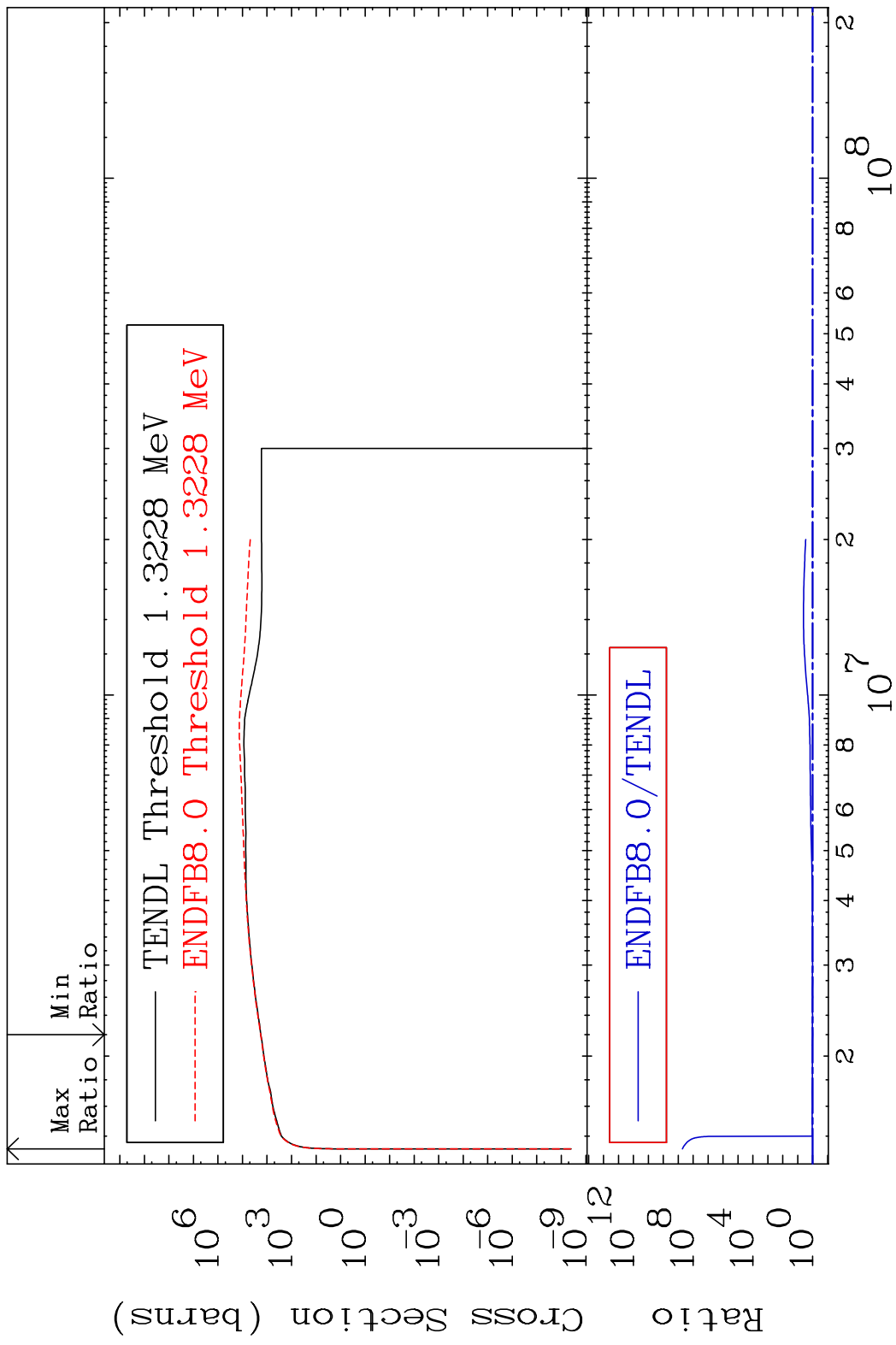


43

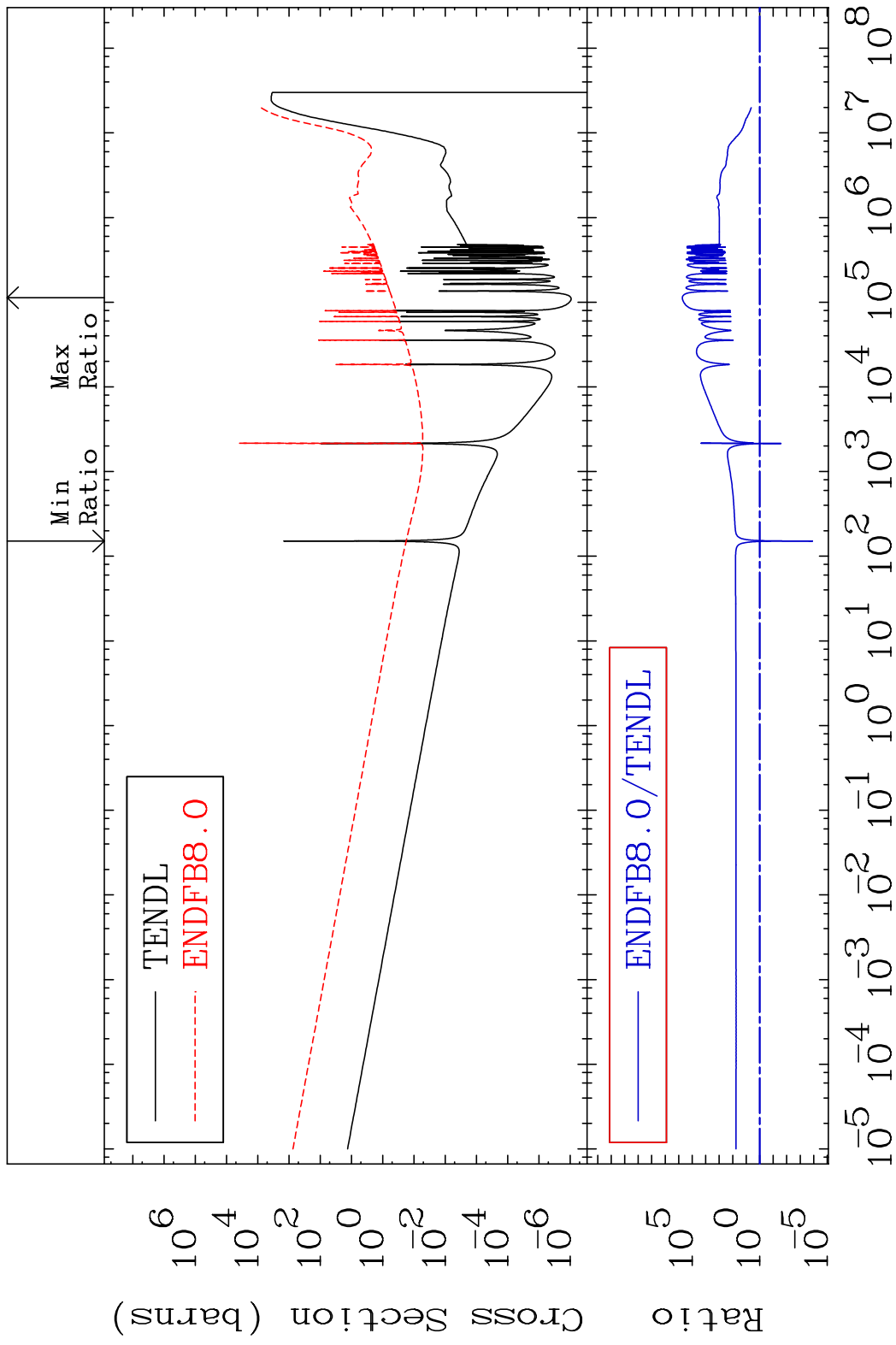
Incident Energy (eV)

54-Xe-136

MAT 5461 Dpa inelastic (mt51-91) 54-Xe-136
 Cross Section 0.837 To 9999. %



MAT 5461 Dpa disappearance (mt102 -120) 54-Xe-136
 Cross Section -99.99 To 9999. %



45 Incident Energy (eV) 54-Xe-136