

Program Complot
(Version 2018-1)

by

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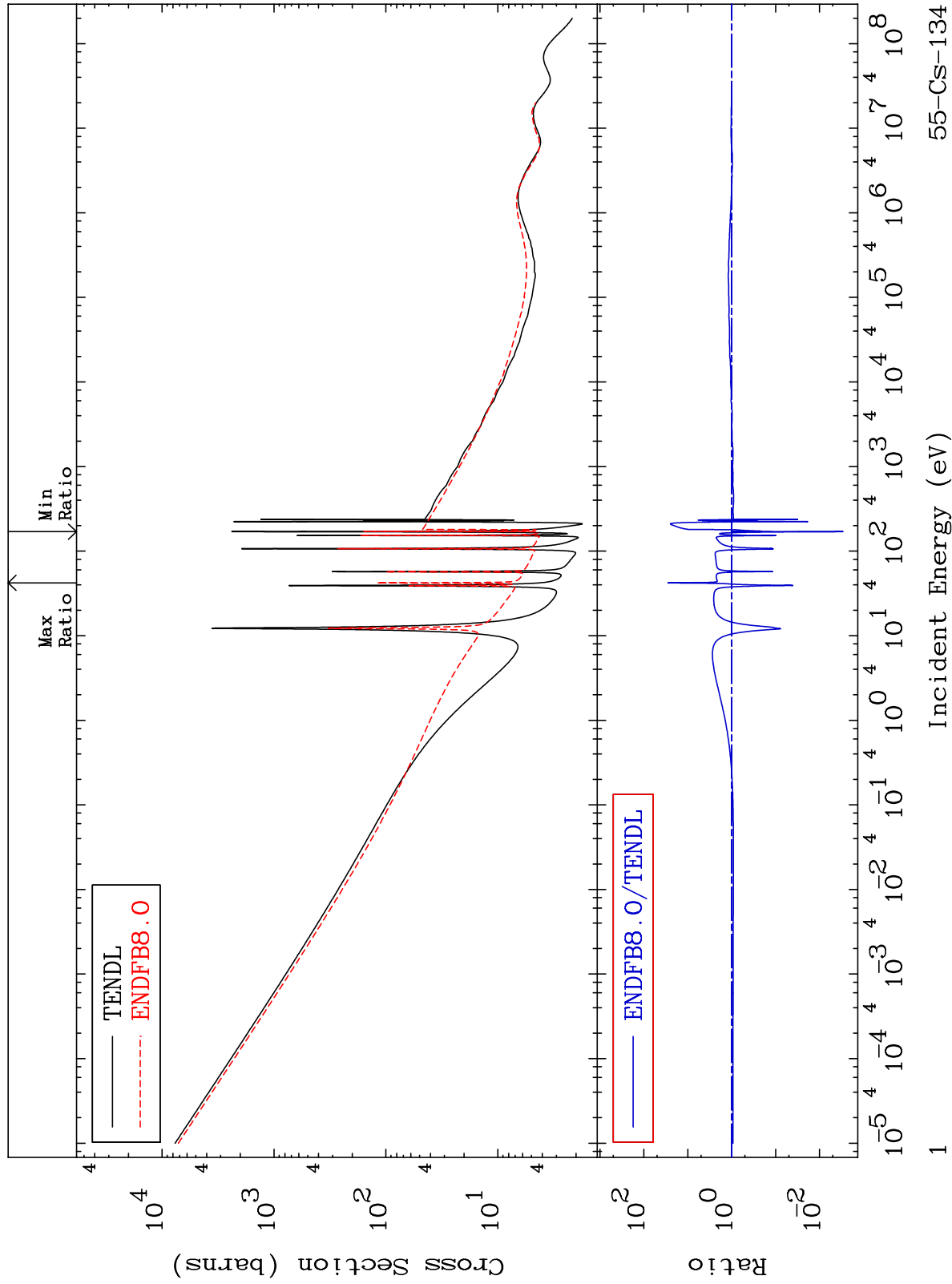
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5528

Total
Cross Section

55-Cs-134
-99.70 To 2719. %



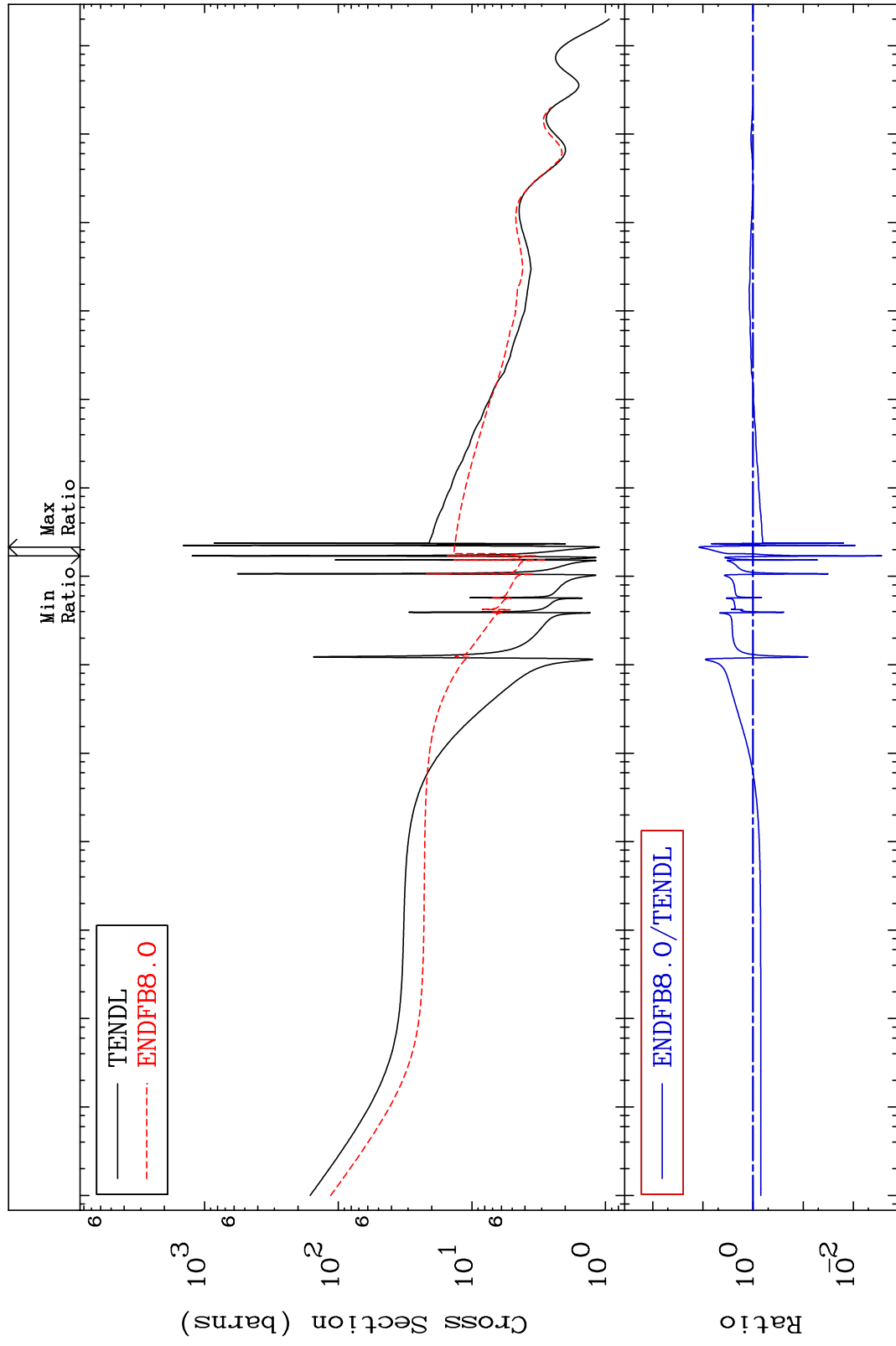
MAT 5528

Elastic

55-Cs-134

Cross Section

-99.73 To 1112. %



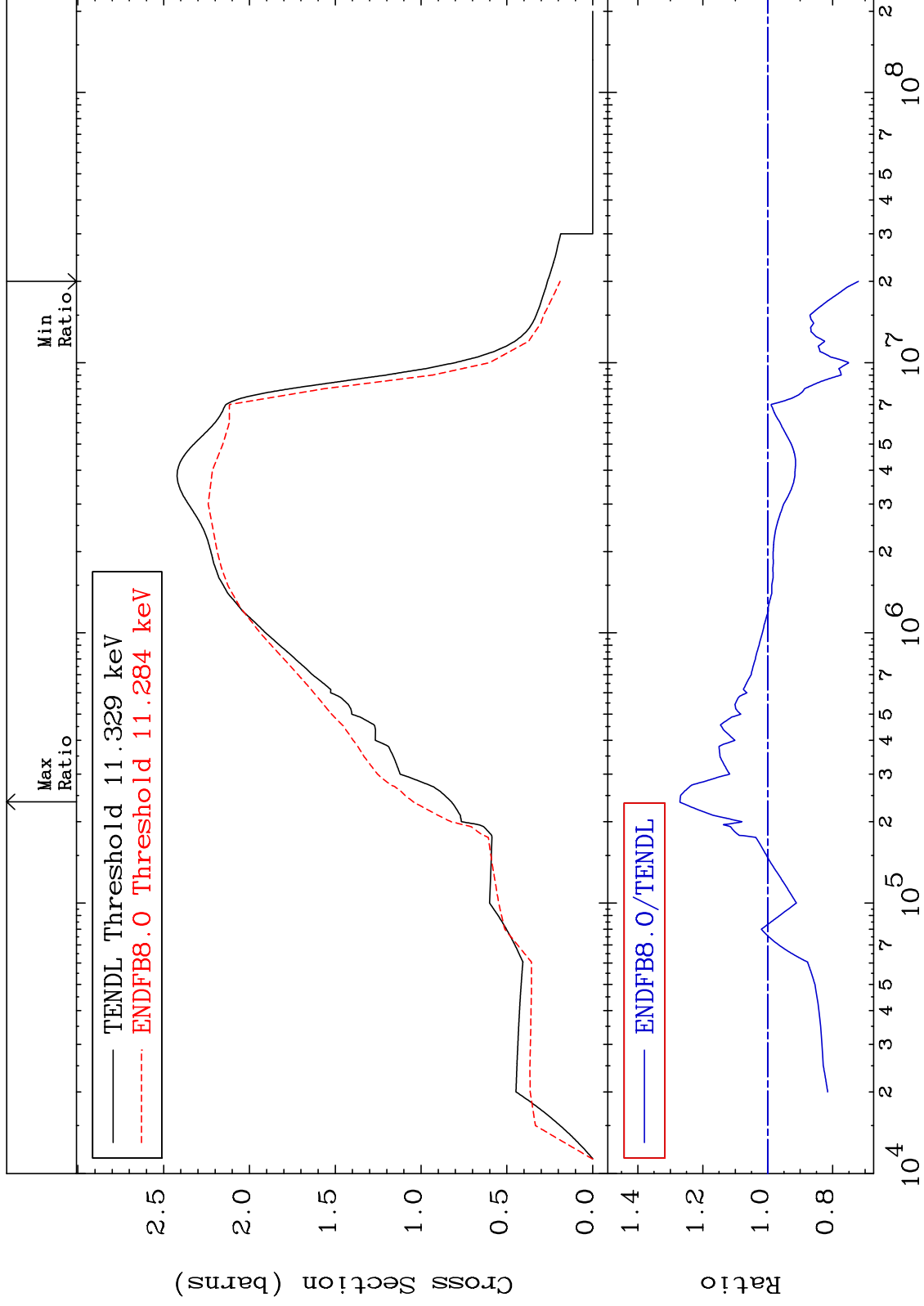
55-Cs-134

Incident Energy (eV)

MAT 5528

Inelastic
Cross Section

55-Cs-134
-27.93 To 27.01 %



Incident Energy (eV)

55-Cs-134

3

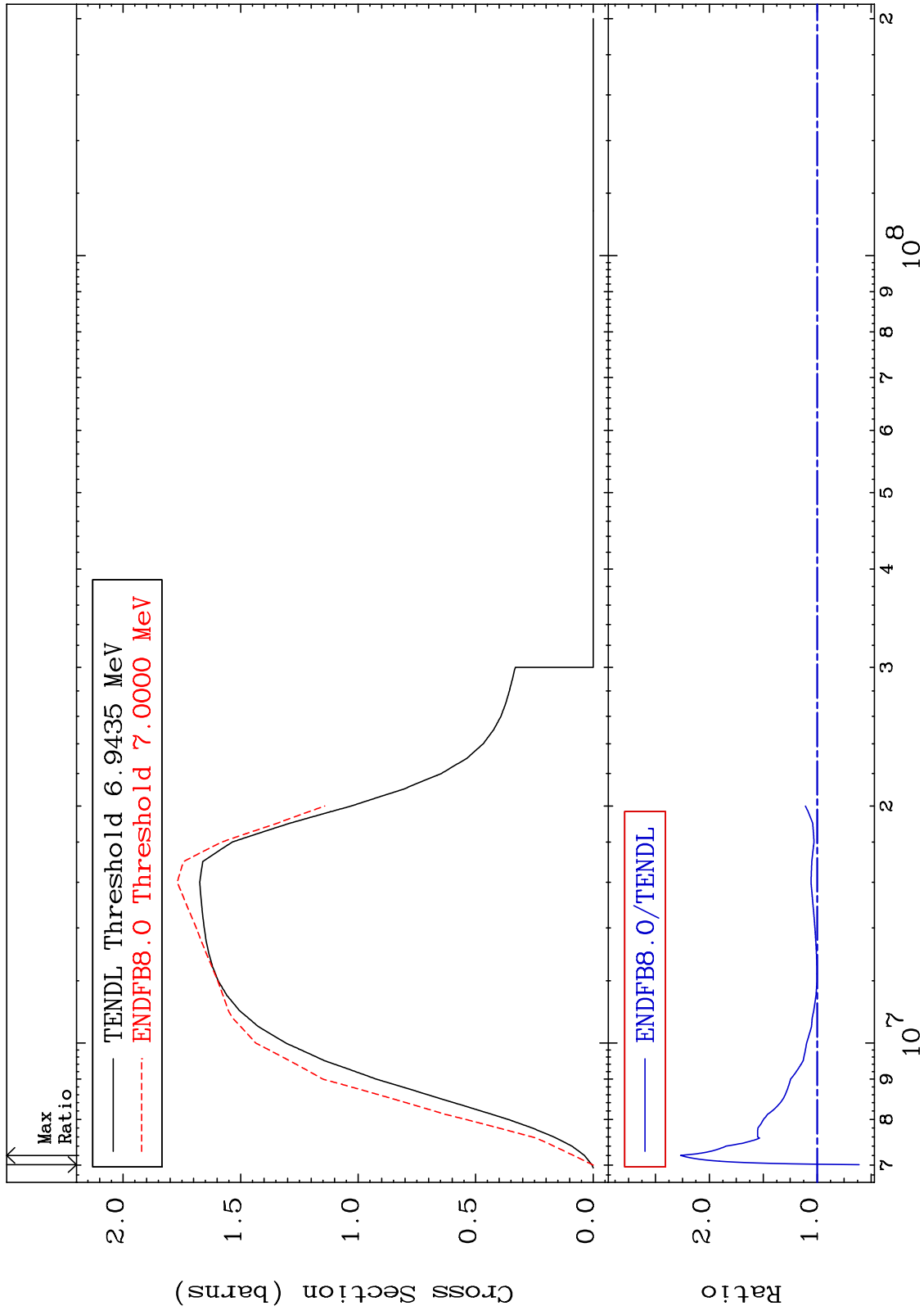
MAT 5528

(n,2n)

55-Cs-134

Cross Section

-39.00 To 126.7 %



4

Incident Energy (eV)

55-Cs-134

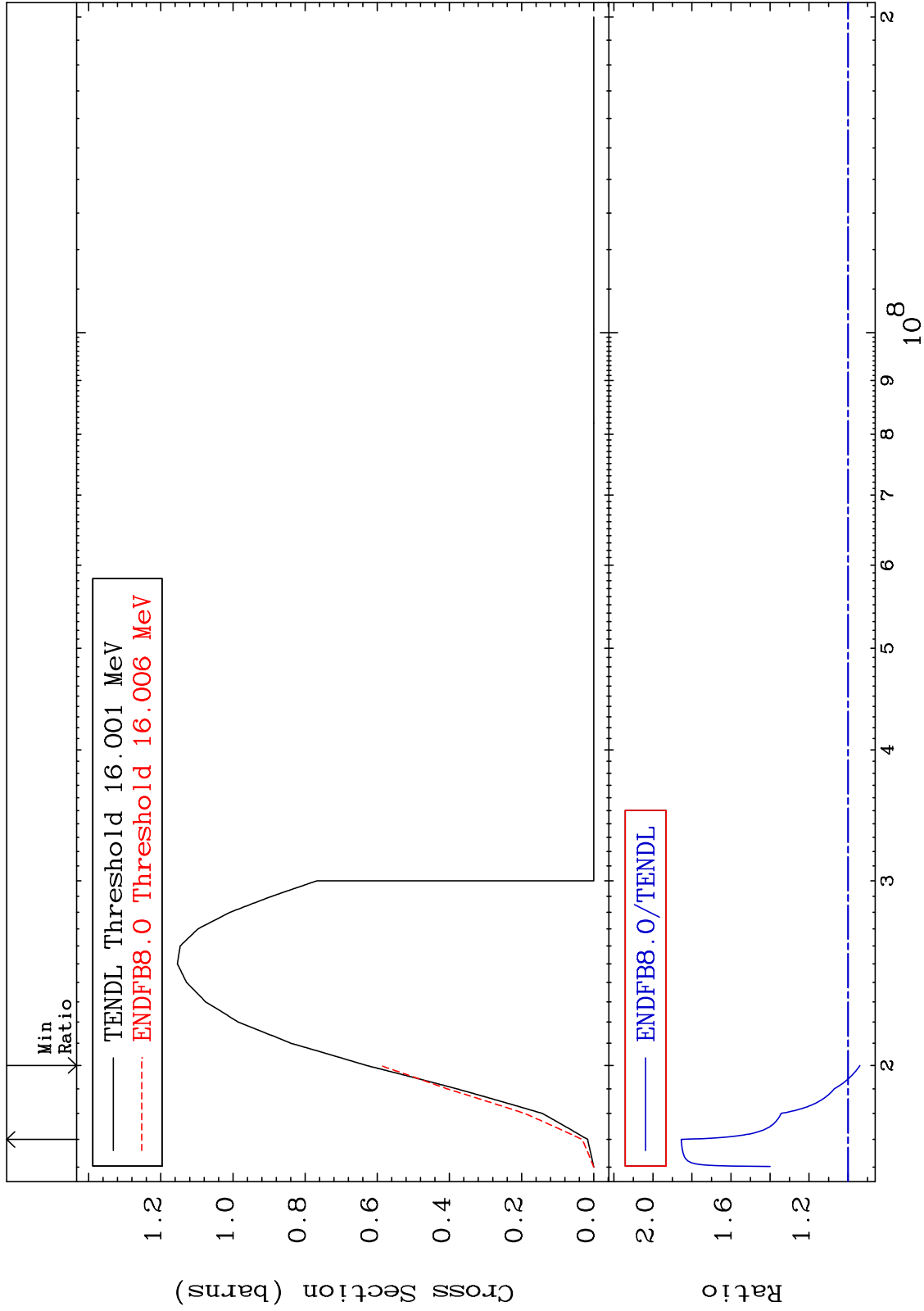
MAT 5528

(n,3n)

55-Cs-134

Cross Section

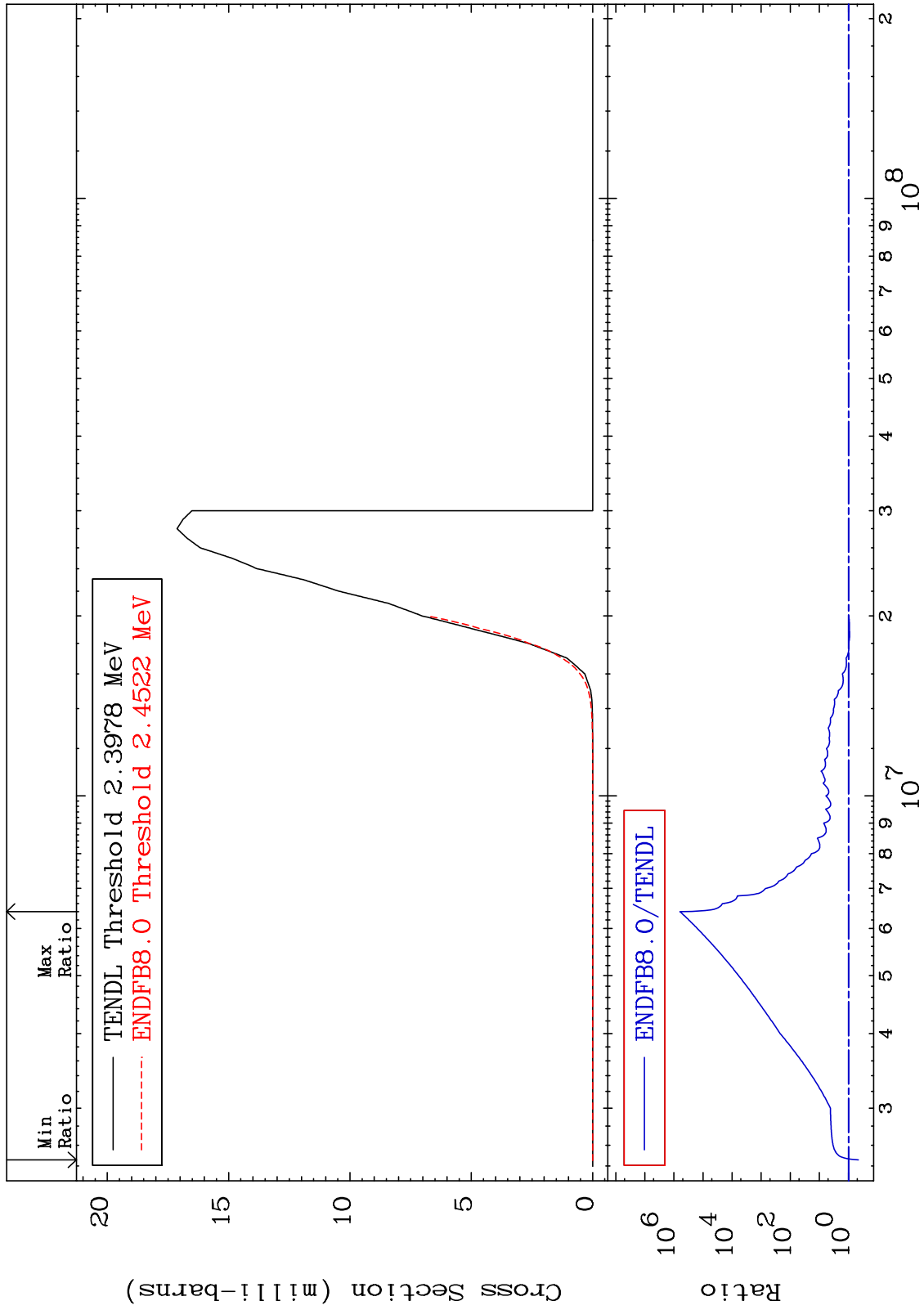
-6.078 To 85.48 %



55-Cs-134

55-Cs-134

MAT 5528 (n,n') α 55-Cs-134
Cross Section -54.51 To 9999. %



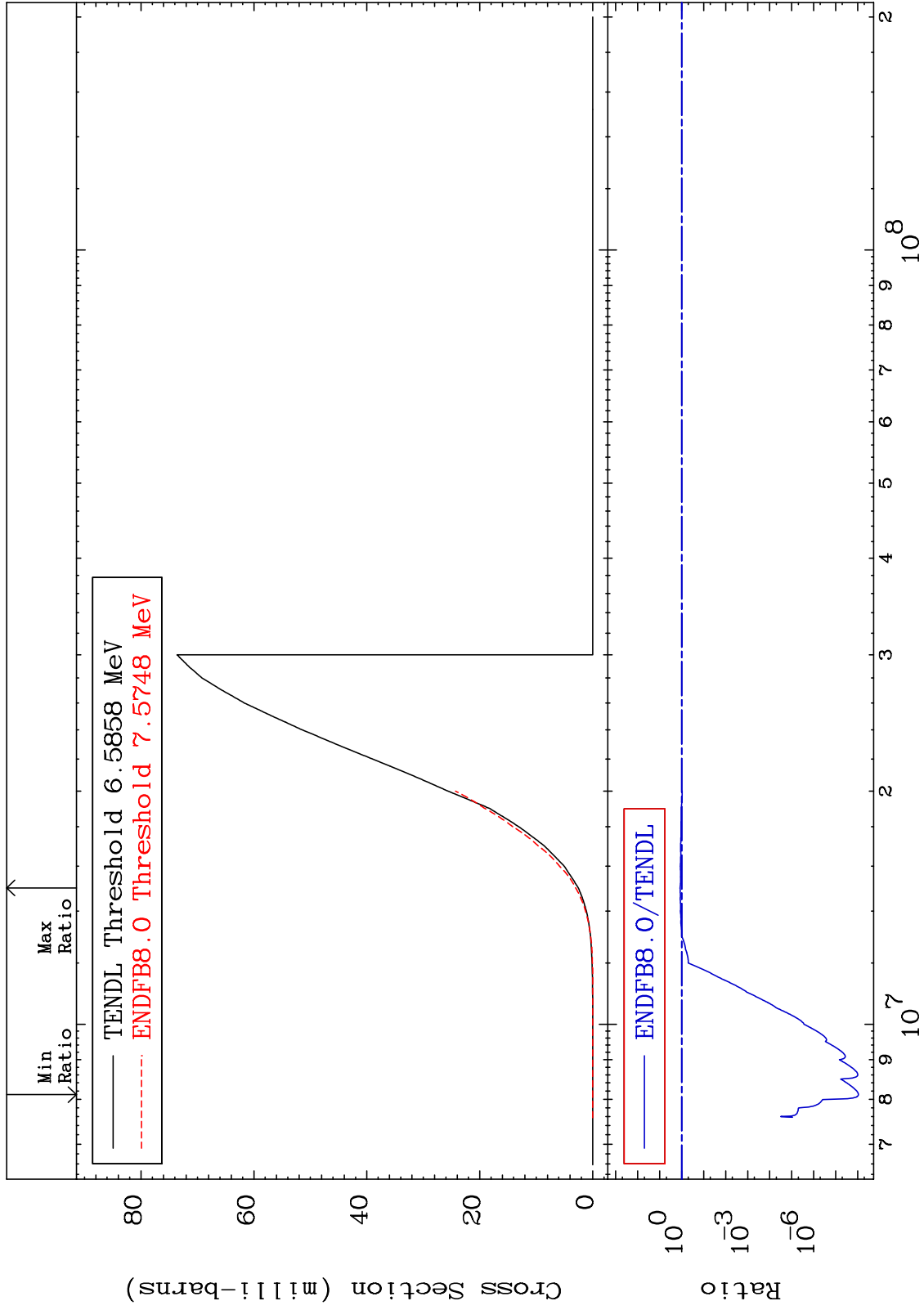
MAT 5528

(n,n') p

55-Cs-134

Cross Section

-100.0 To 19.20 %



7

Incident Energy (eV)

55-Cs-134

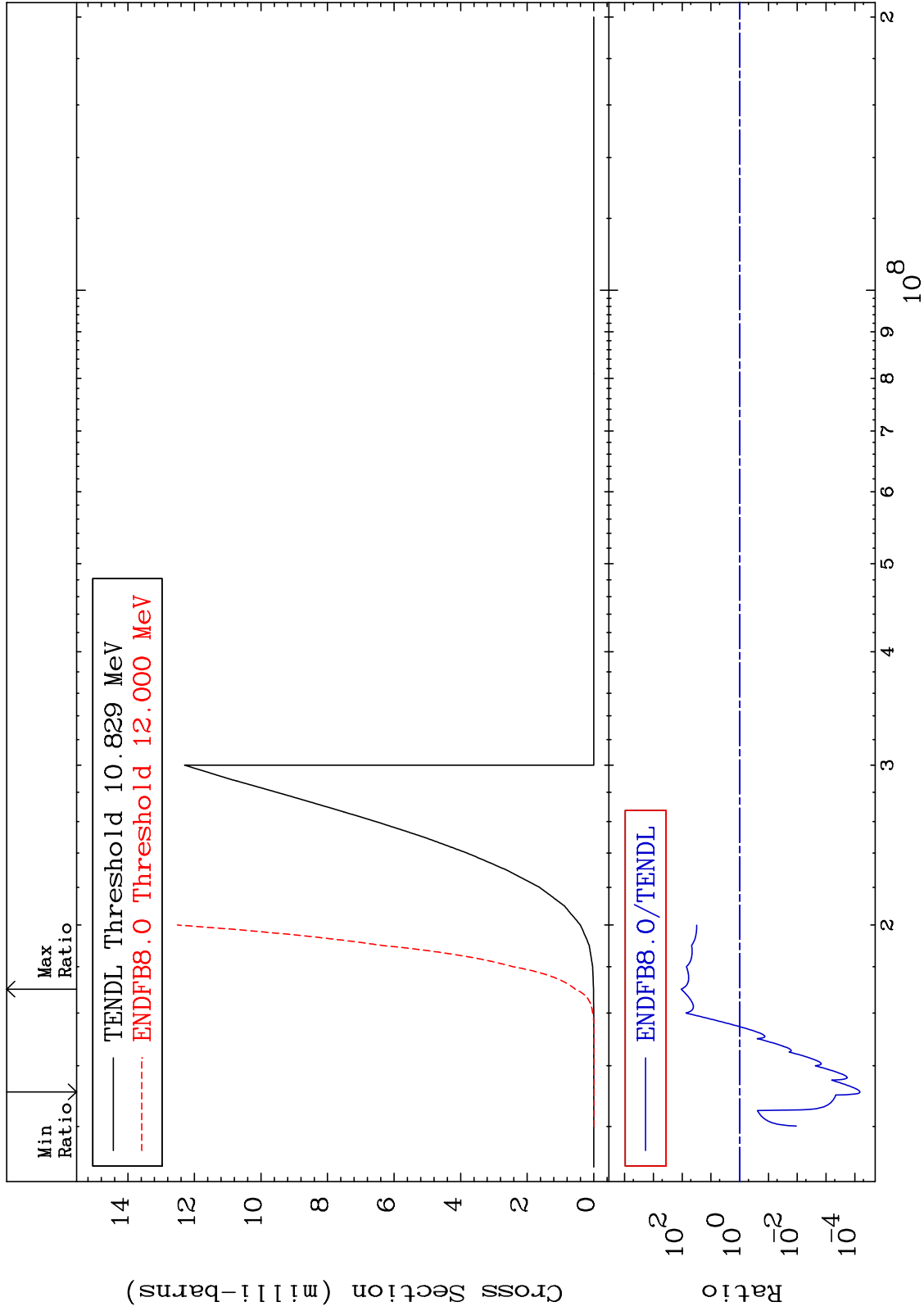
MAT 5528

(n,n') d

55-Cs-134

Cross Section

-99.99 To 9999. %



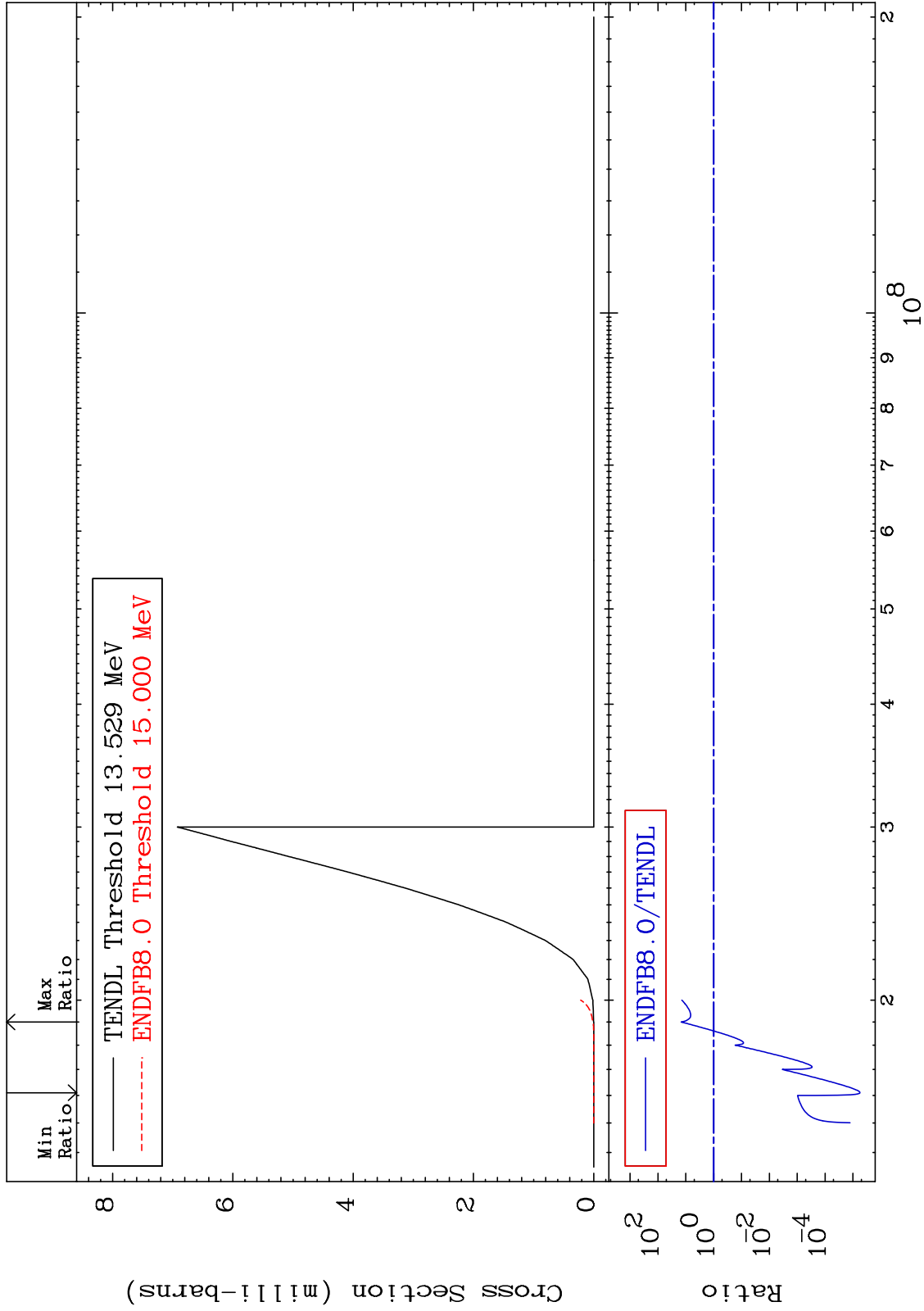
MAT 5528

(n,n') t

55-Cs-134

Cross Section

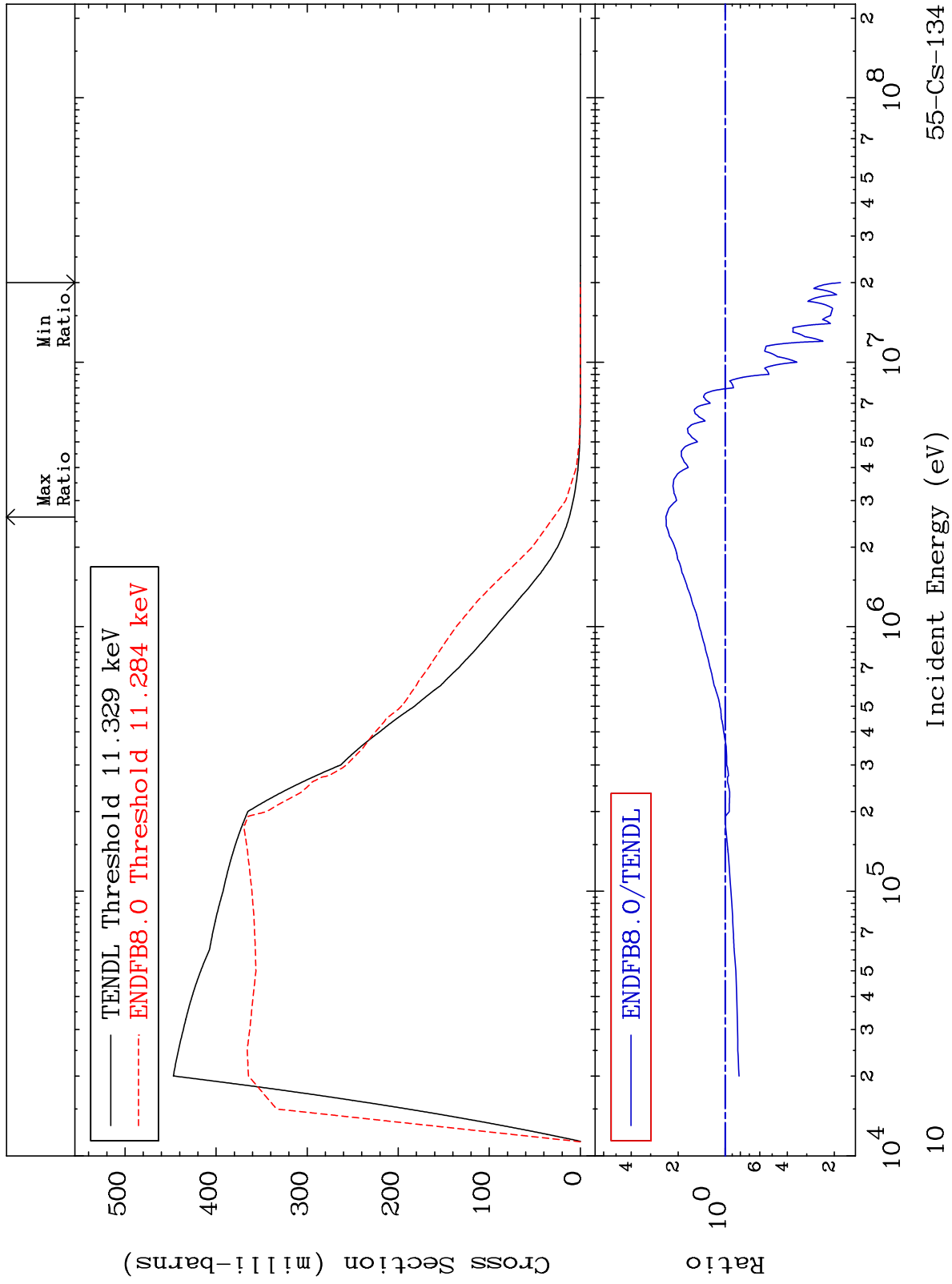
-100.0 To 1356. %



MAT 5528

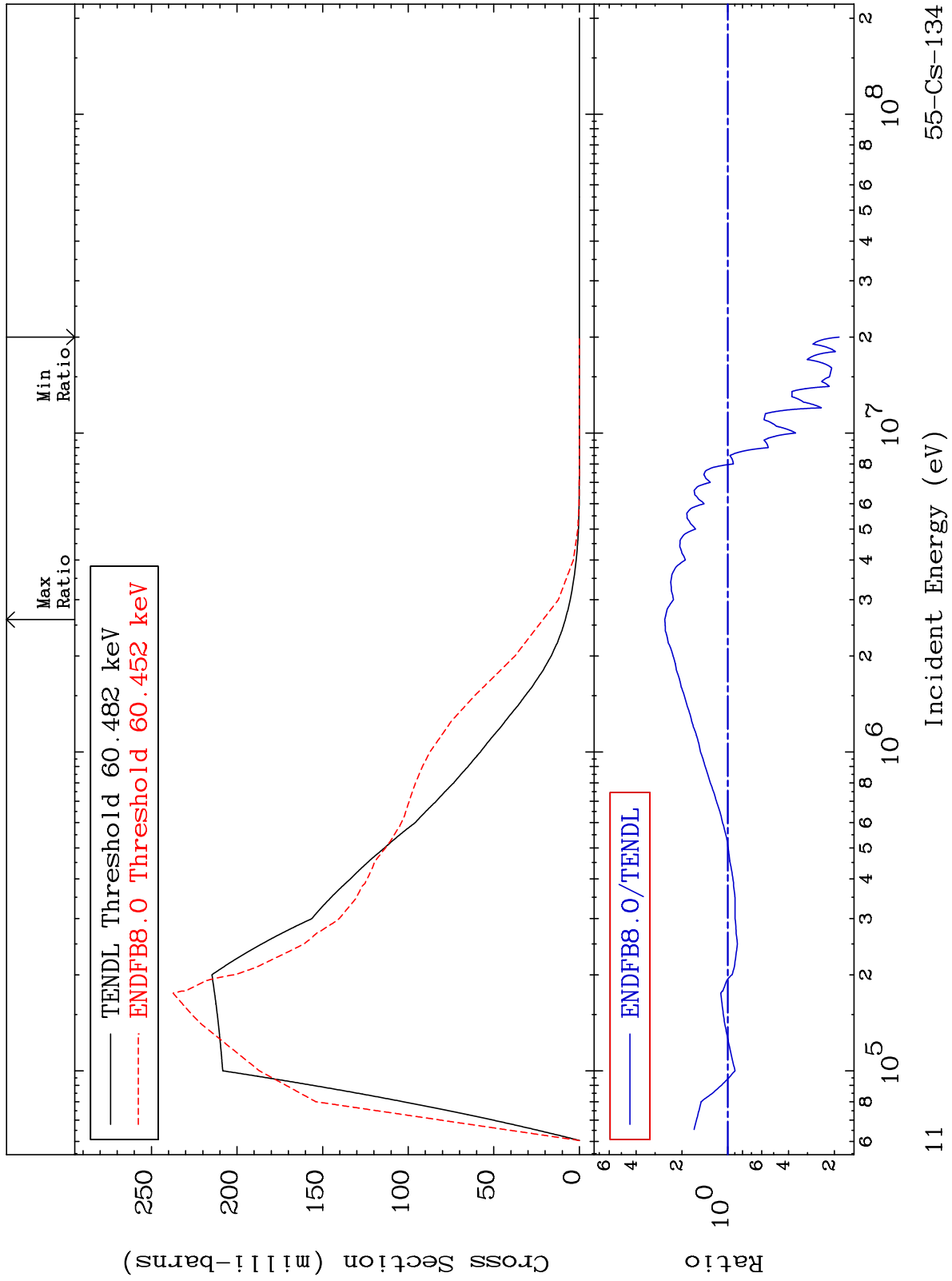
MT= 51 (n,n') Level
Cross Section

55-Cs-134
-81.76 To 139.7 %



55-Cs-134

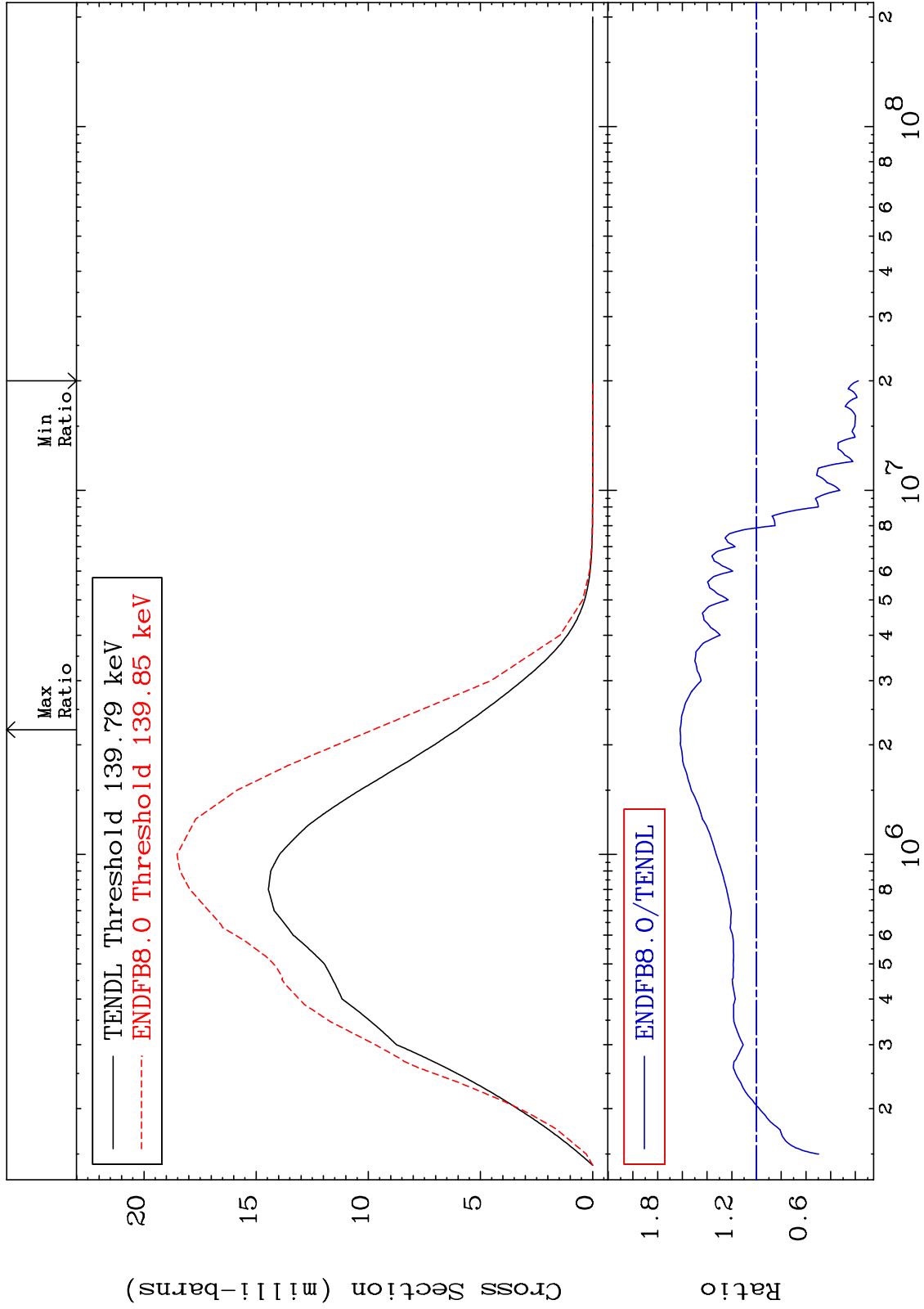
MAT 5528 MT= 52 (n,n') Level Cross Section 55-Cs-134 -81.41 To 159.6 %



MAT 5528

MT= 53 (n,n') Level
Cross Section

55-Cs-134
-82.42 To 61.89 %

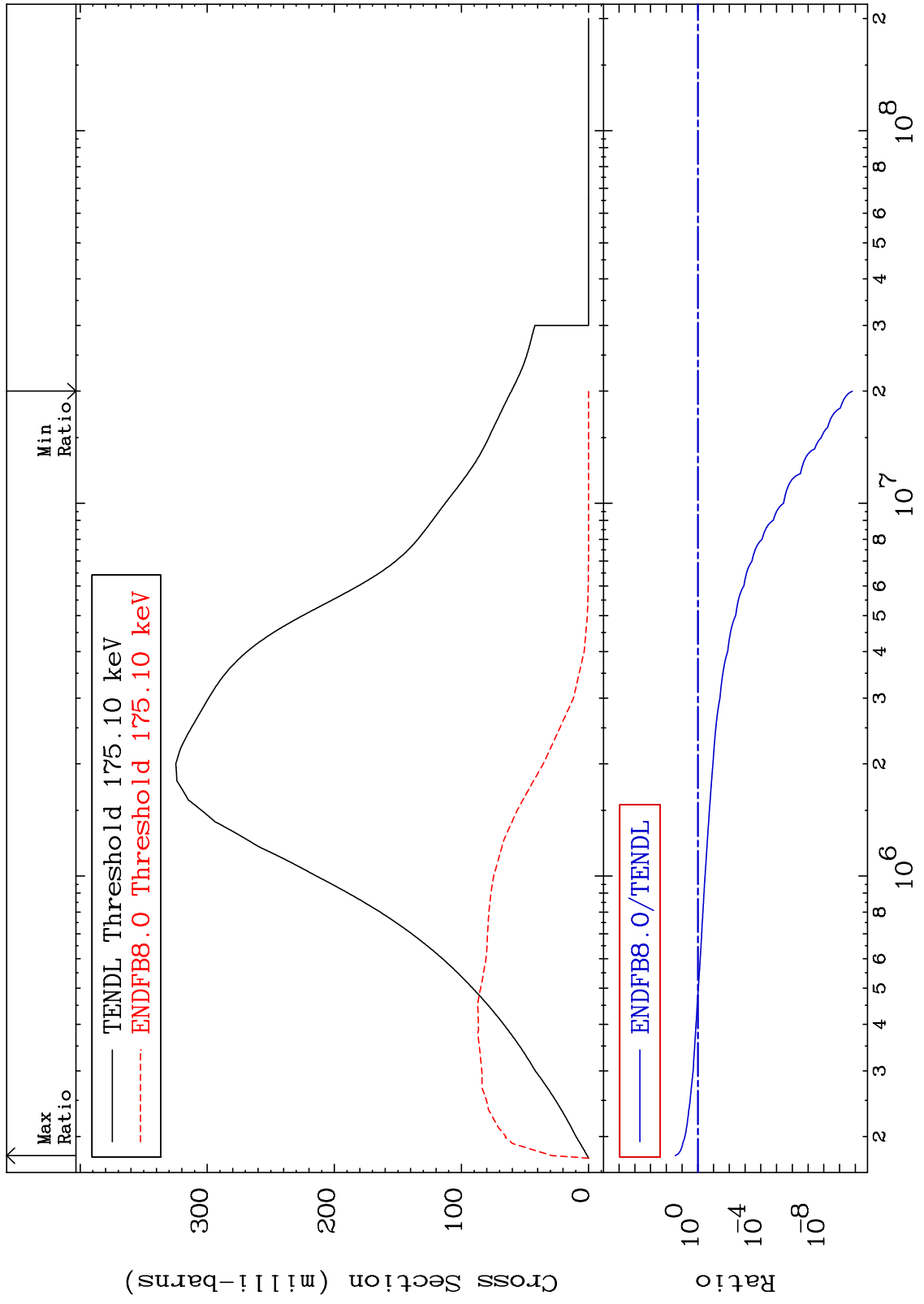


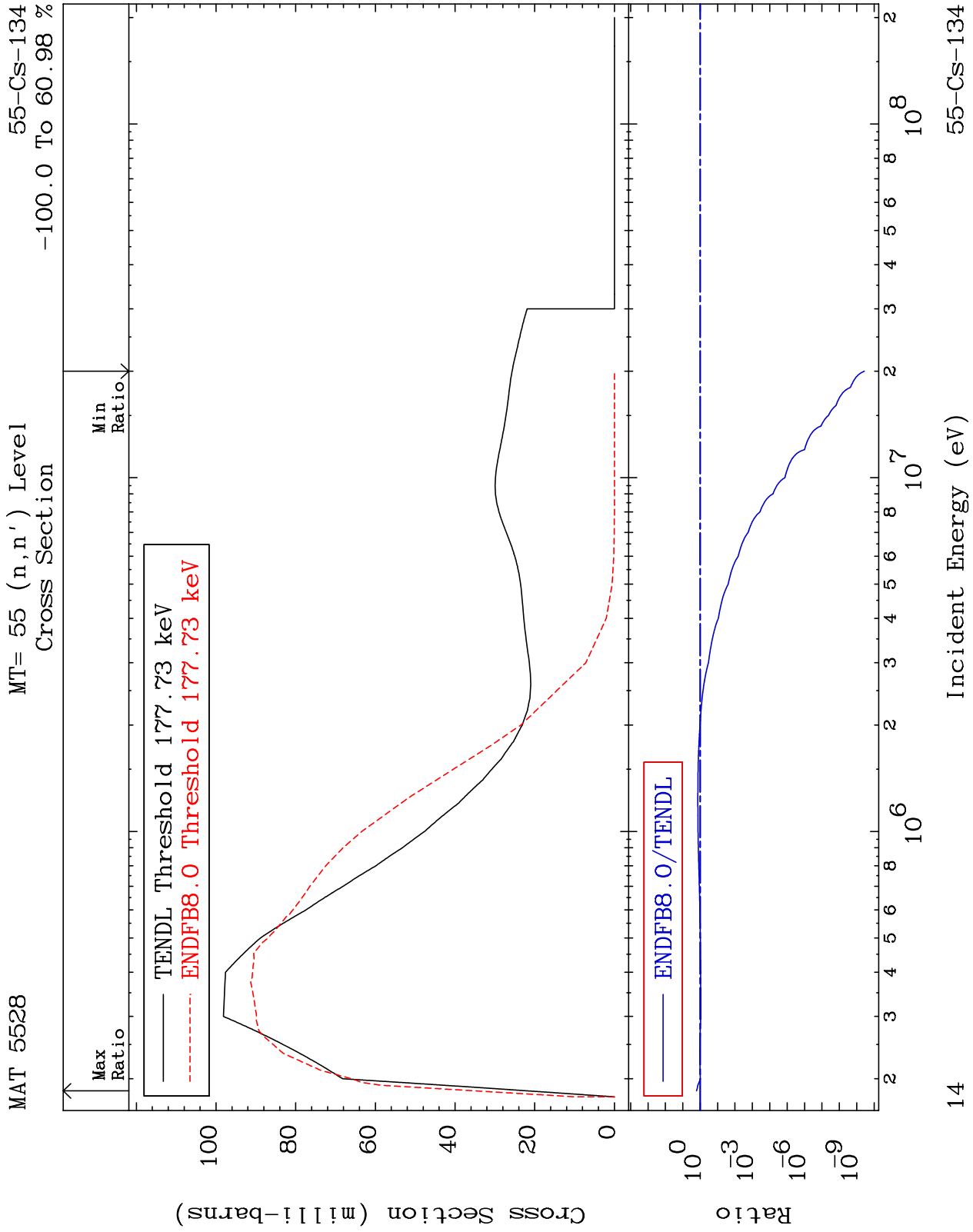
12

Incident Energy (eV)

55-Cs-134

MAT 5528 MT= 54 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 2609. %

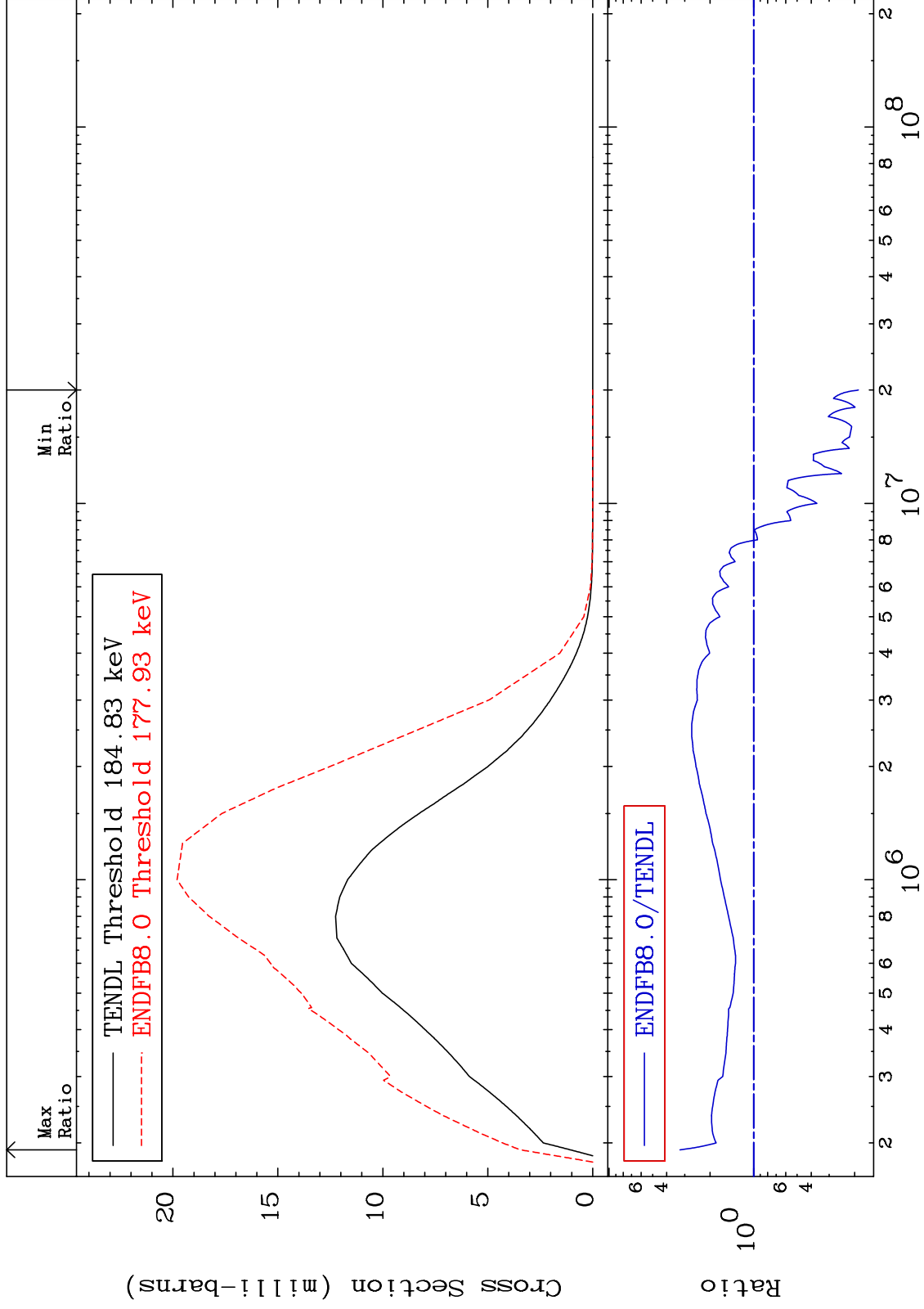




MAT 5528

MT= 56 (n,n') Level
Cross Section

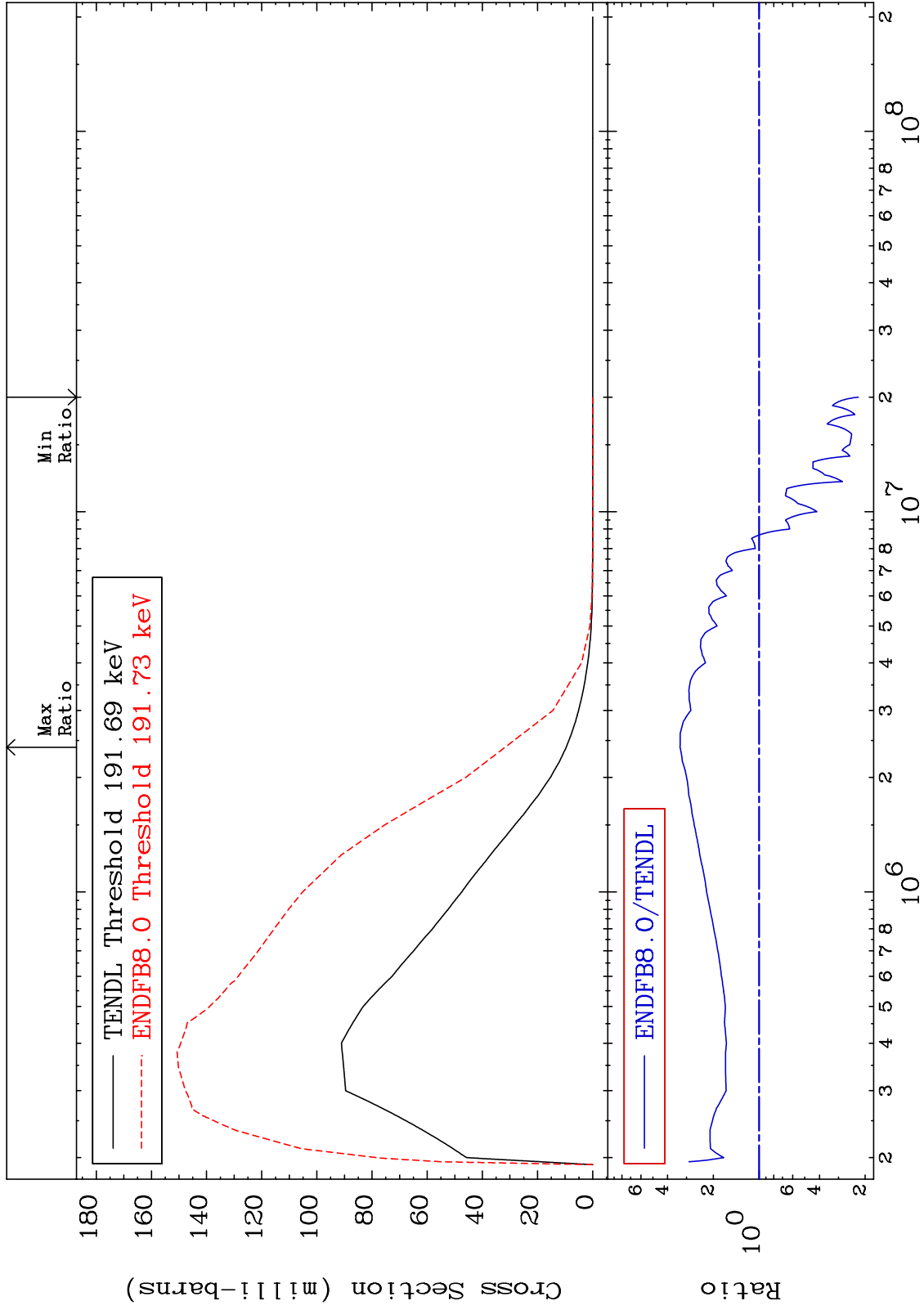
55-Cs-134
-81.15 To 223.2 %



MAT 5528

MT= 57 (n,n') Level
Cross Section

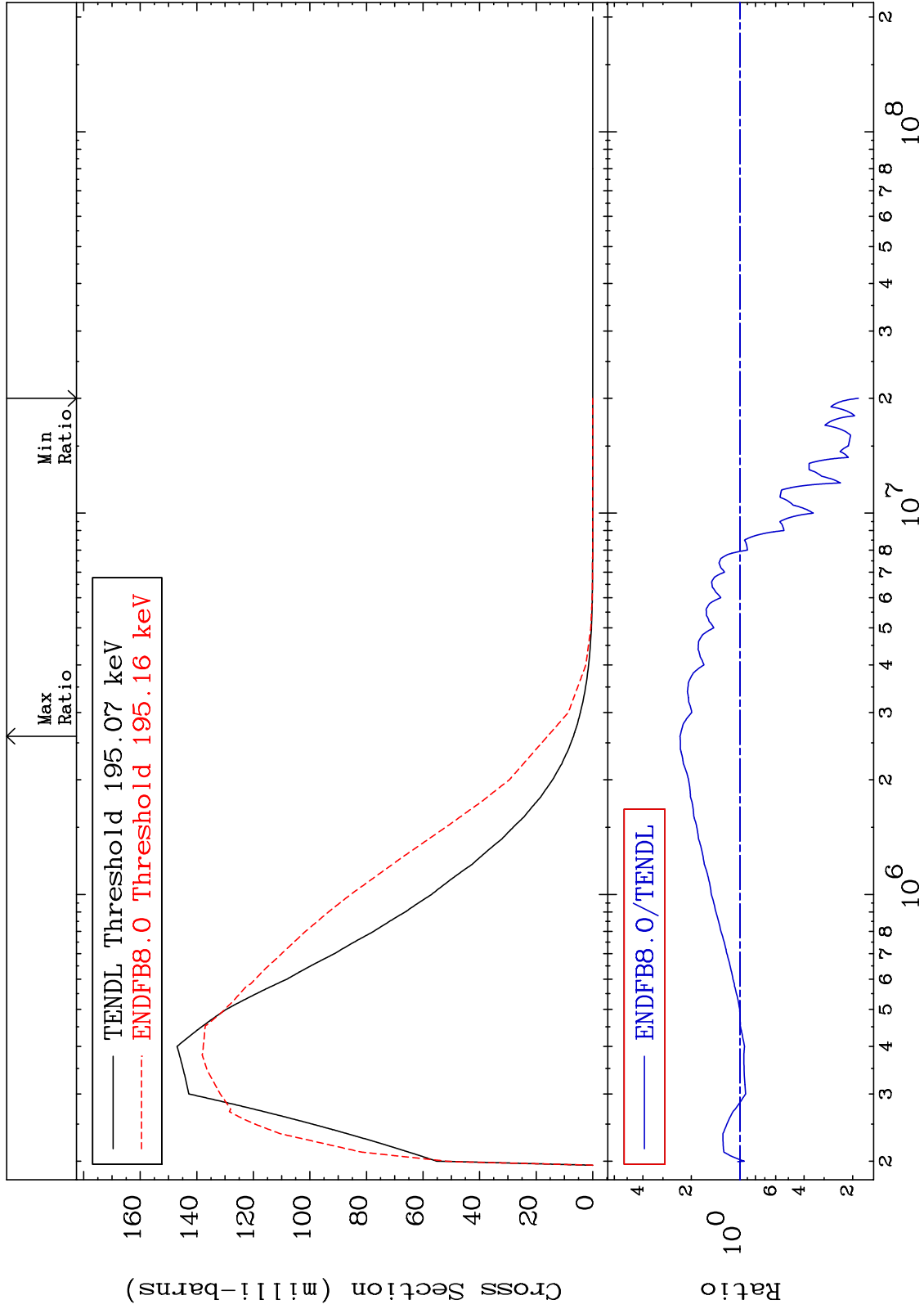
55-Cs-134
-77.83 To 231.3 %

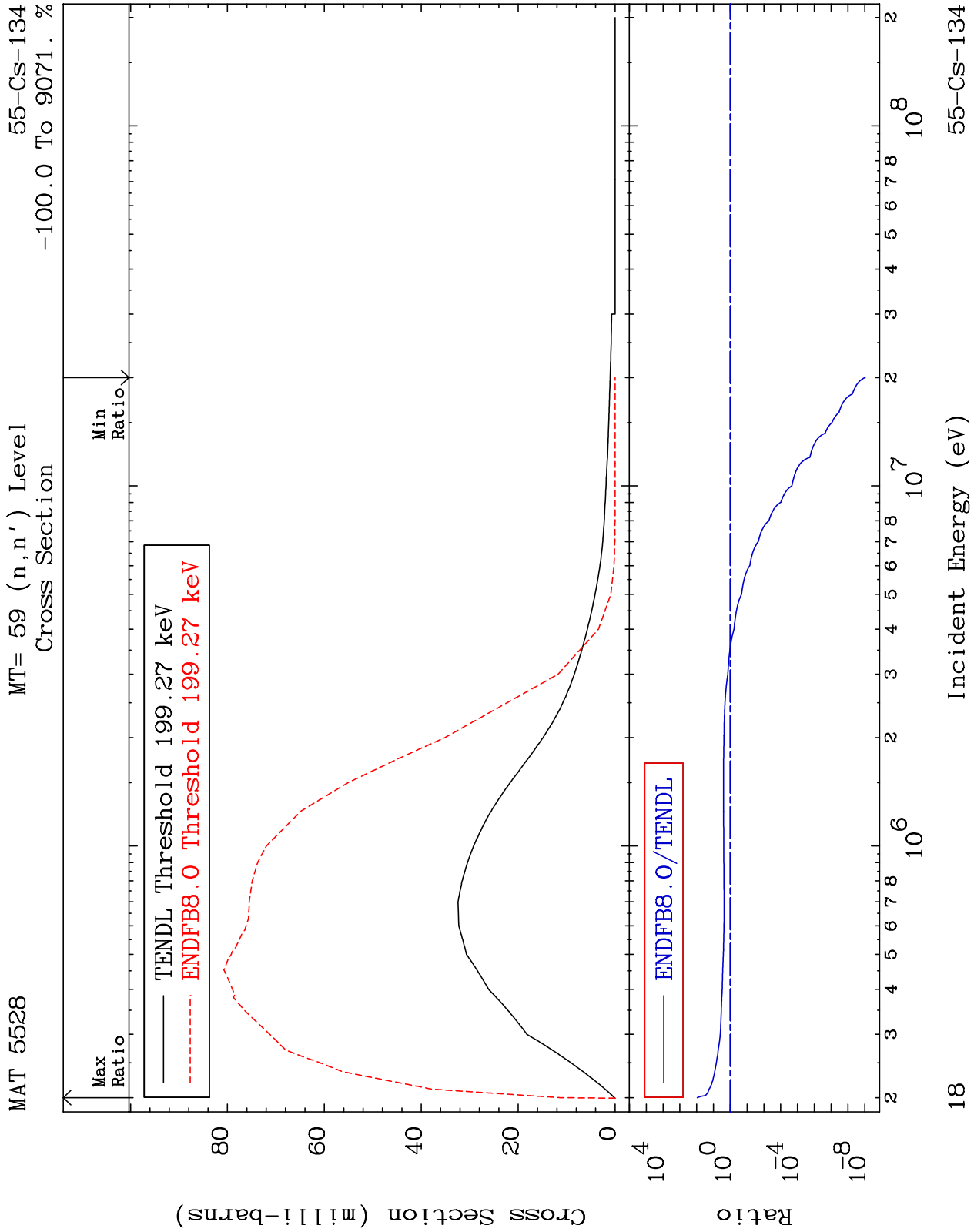


MAT 5528

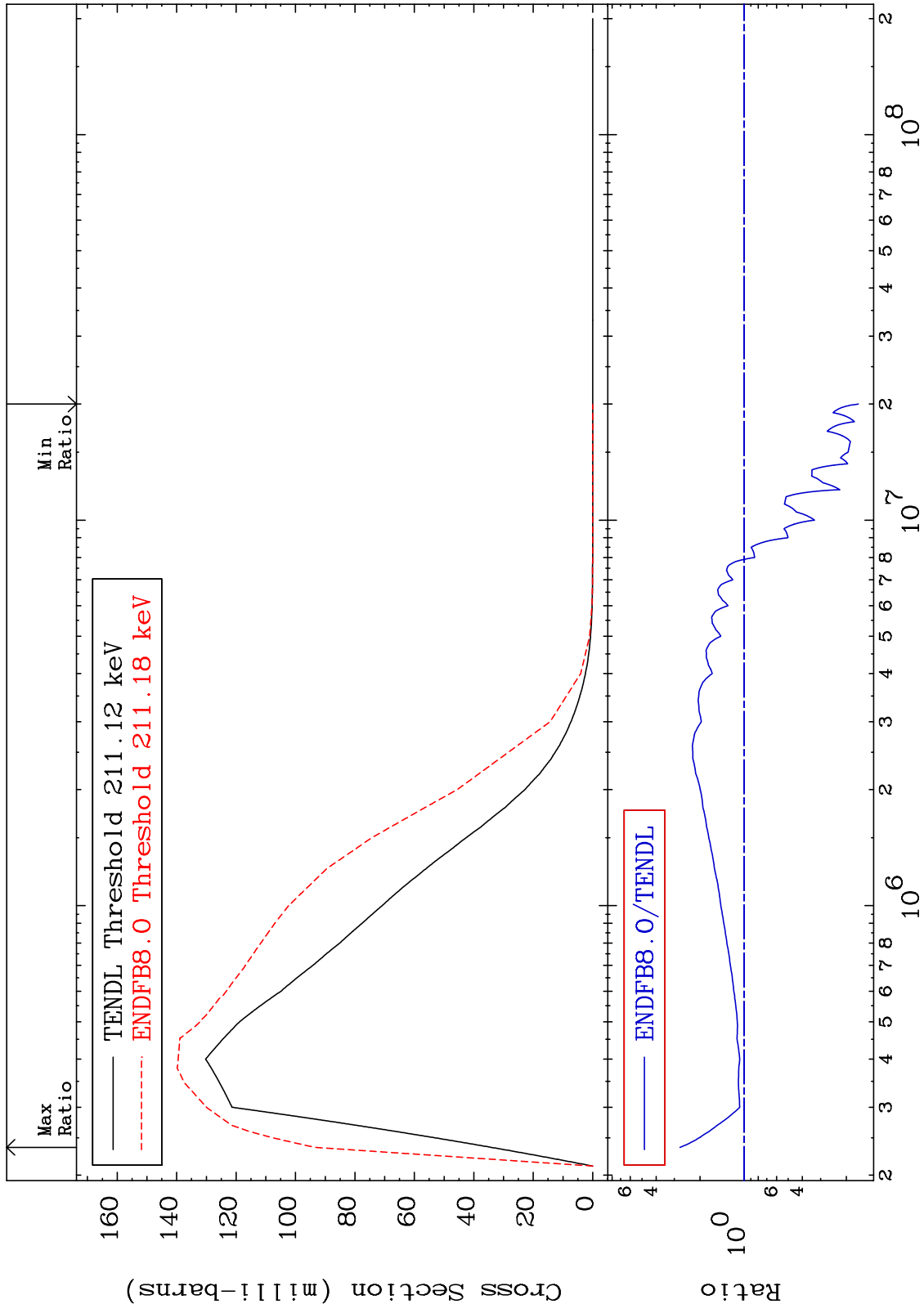
MT= 58 (n,n') Level
Cross Section

55-Cs-134
-81.59 To 135.0 %

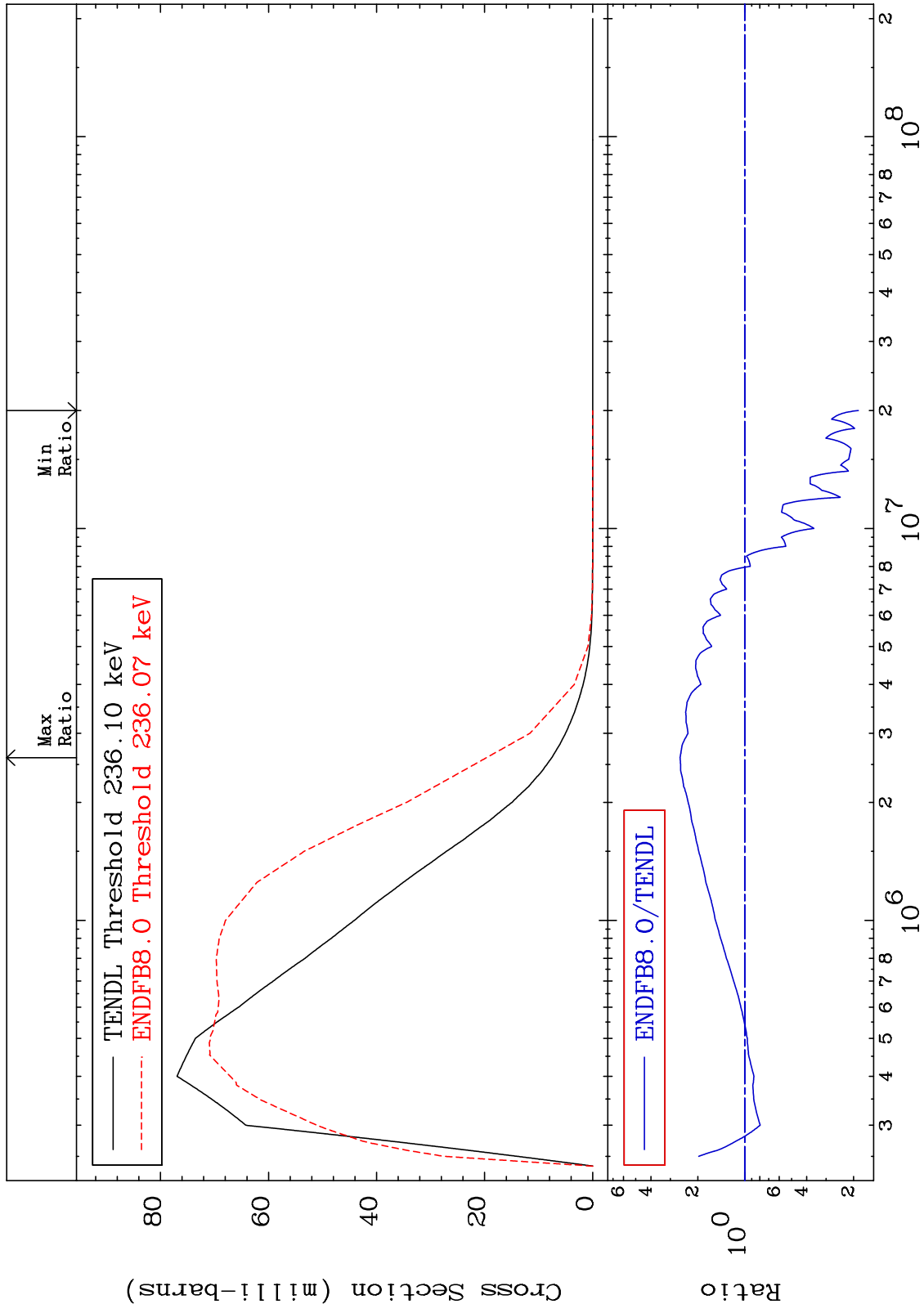




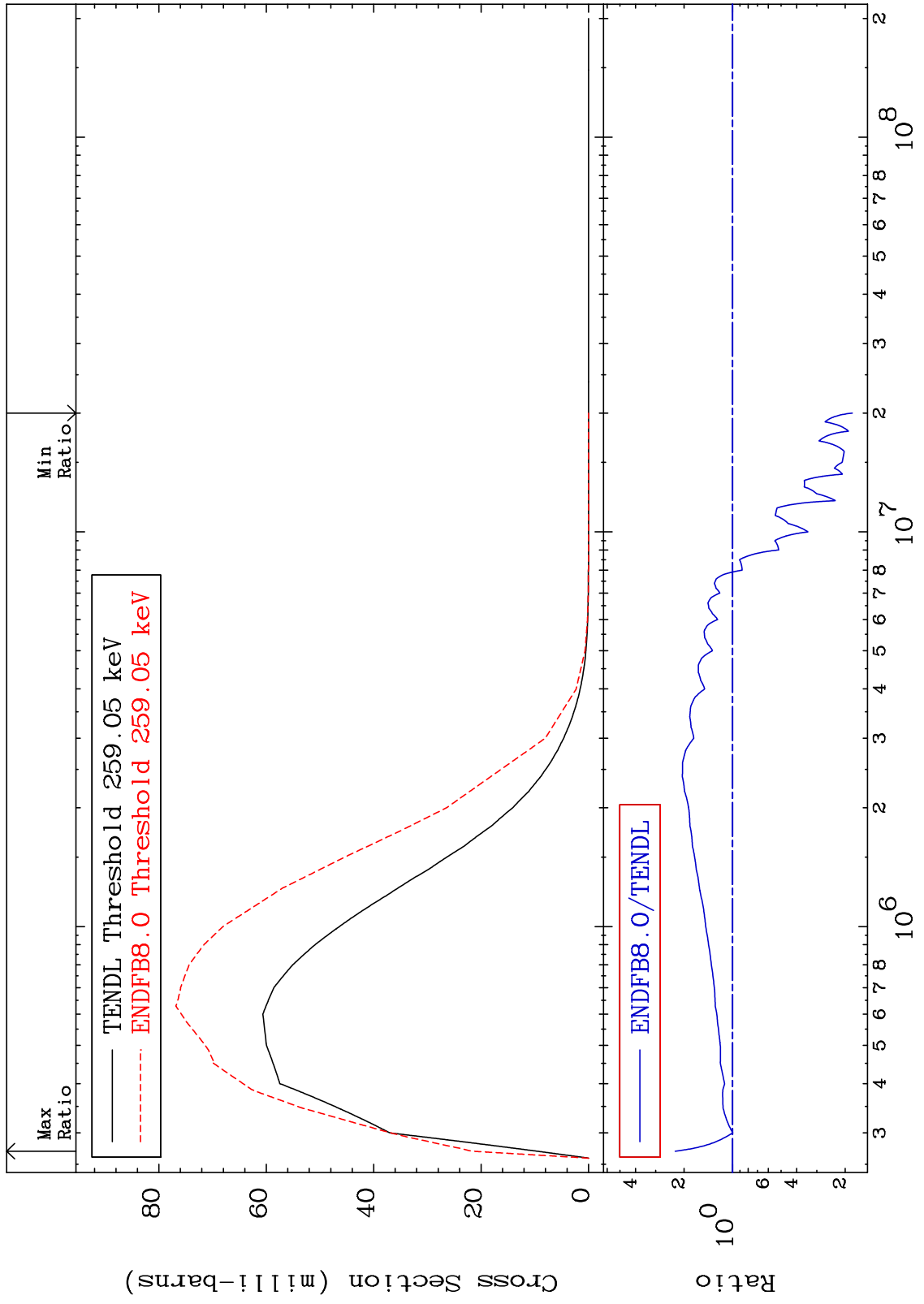
MAT 5528 MT= 60 (n,n') Level Cross Section 55-Cs-134 -83.45 To 174.4 %



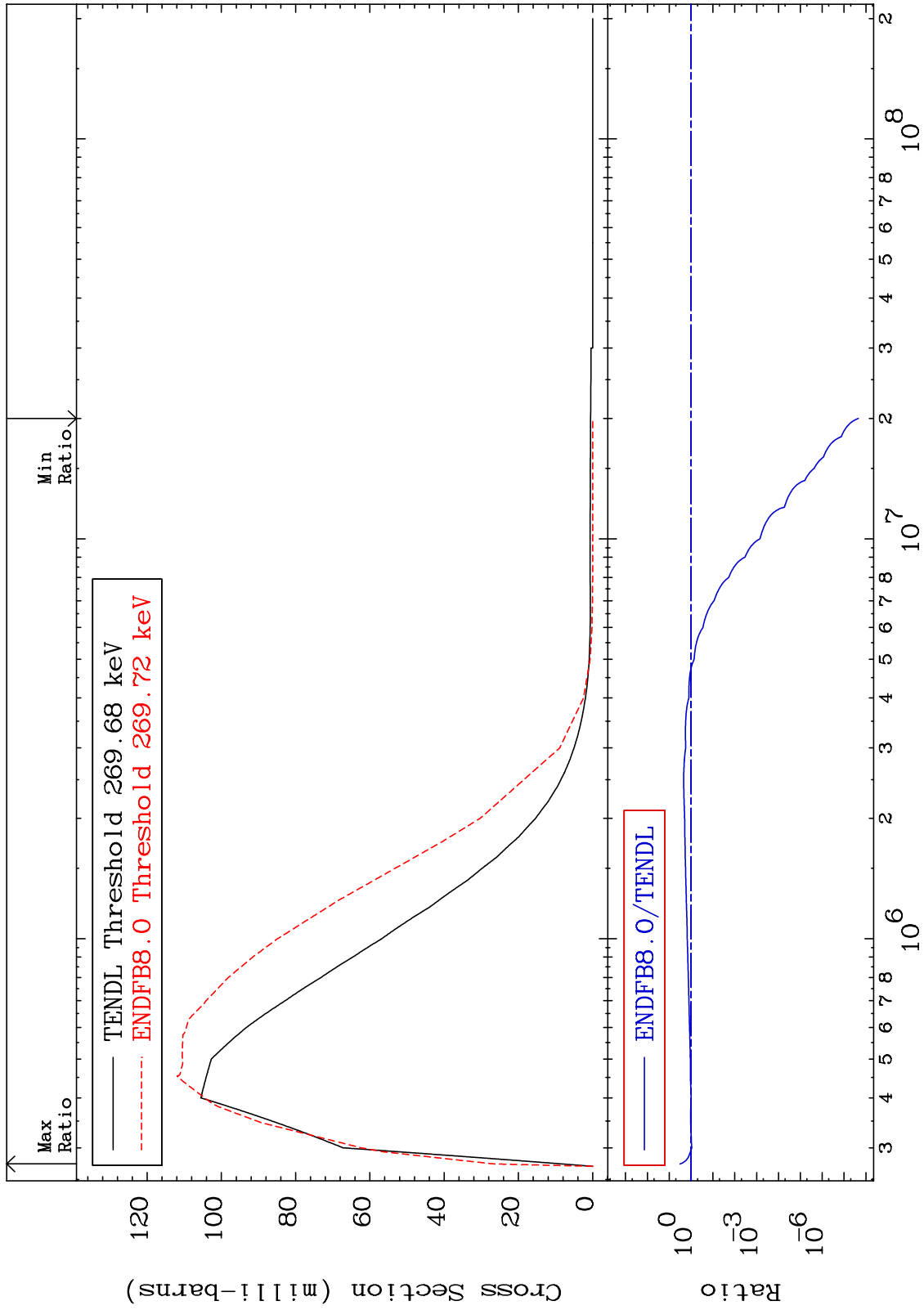
MAT 5528 MT= 61 (n,n') Level Cross Section 55-Cs-134 -81.39 To 160.0 %



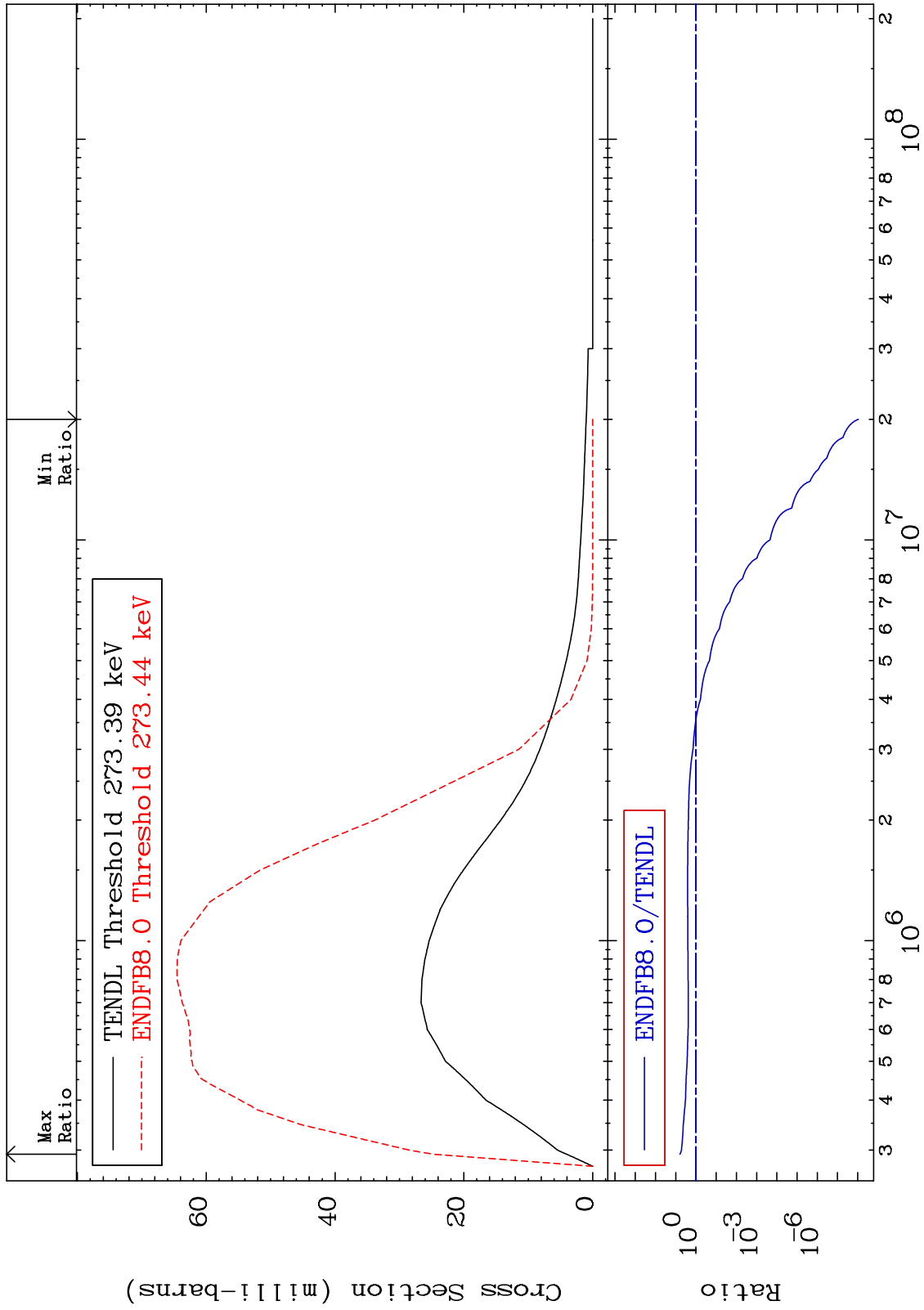
MAT 5528 MT= 62 (n,n') Level Cross Section 55-Cs-134 -81.97 To 126.6 %



MAT 5528 MT= 63 (n,n') Level Cross Section 55-Cs-134 -100.0 To 220.1 %

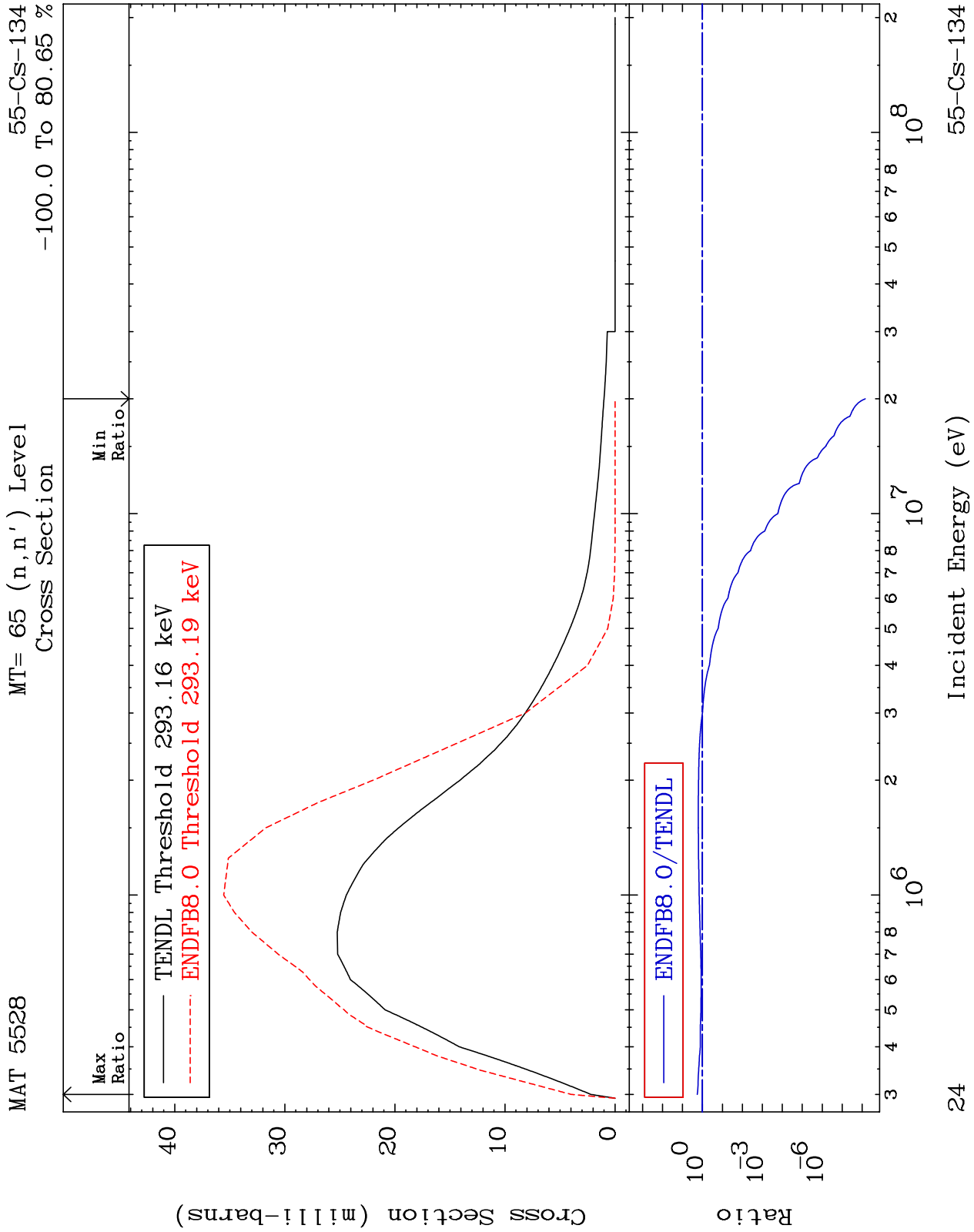


MAT 5528 MT= 64 (n,n') Level Cross Section 55-Cs-134 -100.0 To 512.9 %



— TENDL Threshold 273.39 keV
 - - - ENDFB8.0 Threshold 273.44 keV

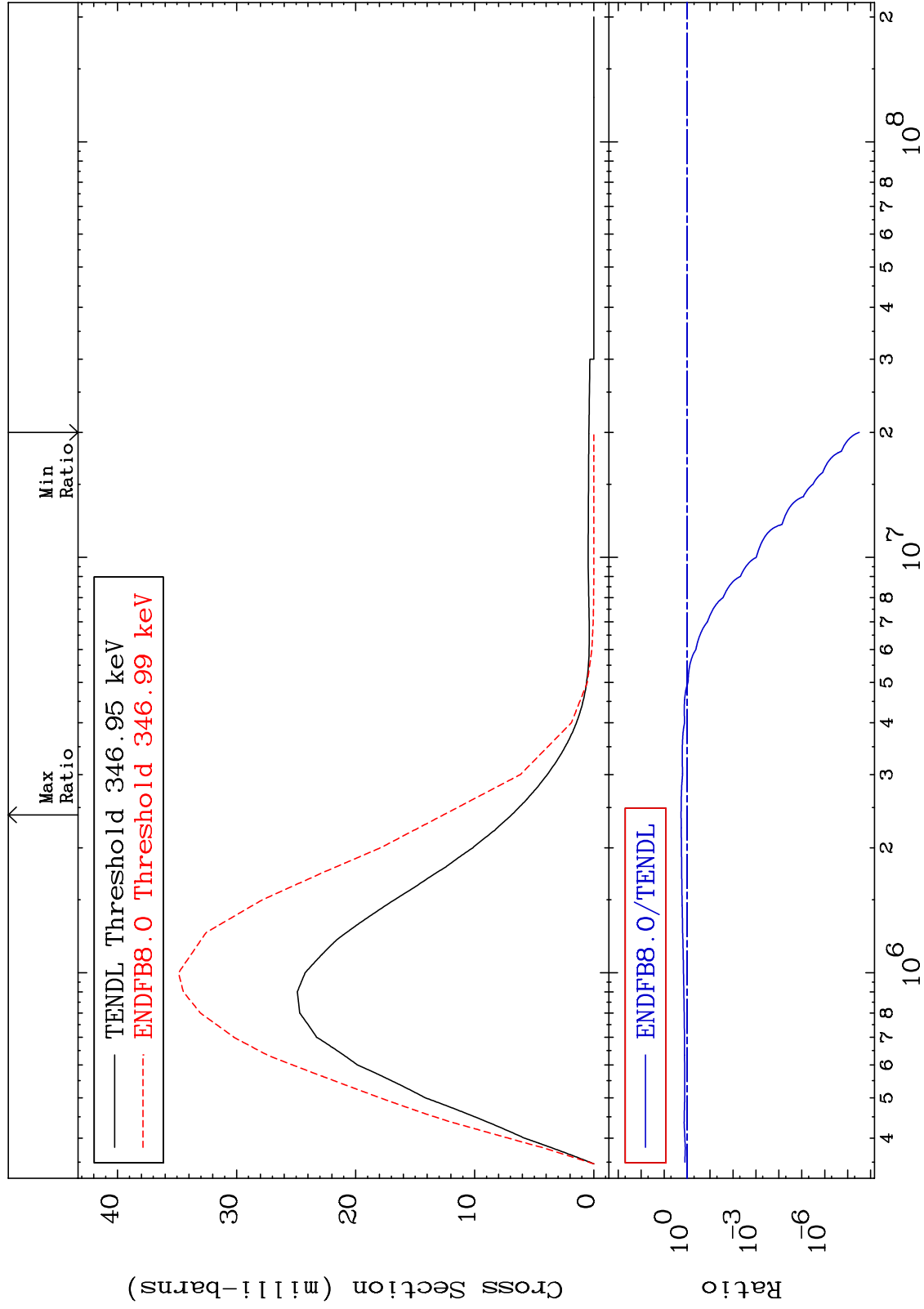
— ENDFB8.0/TENDL



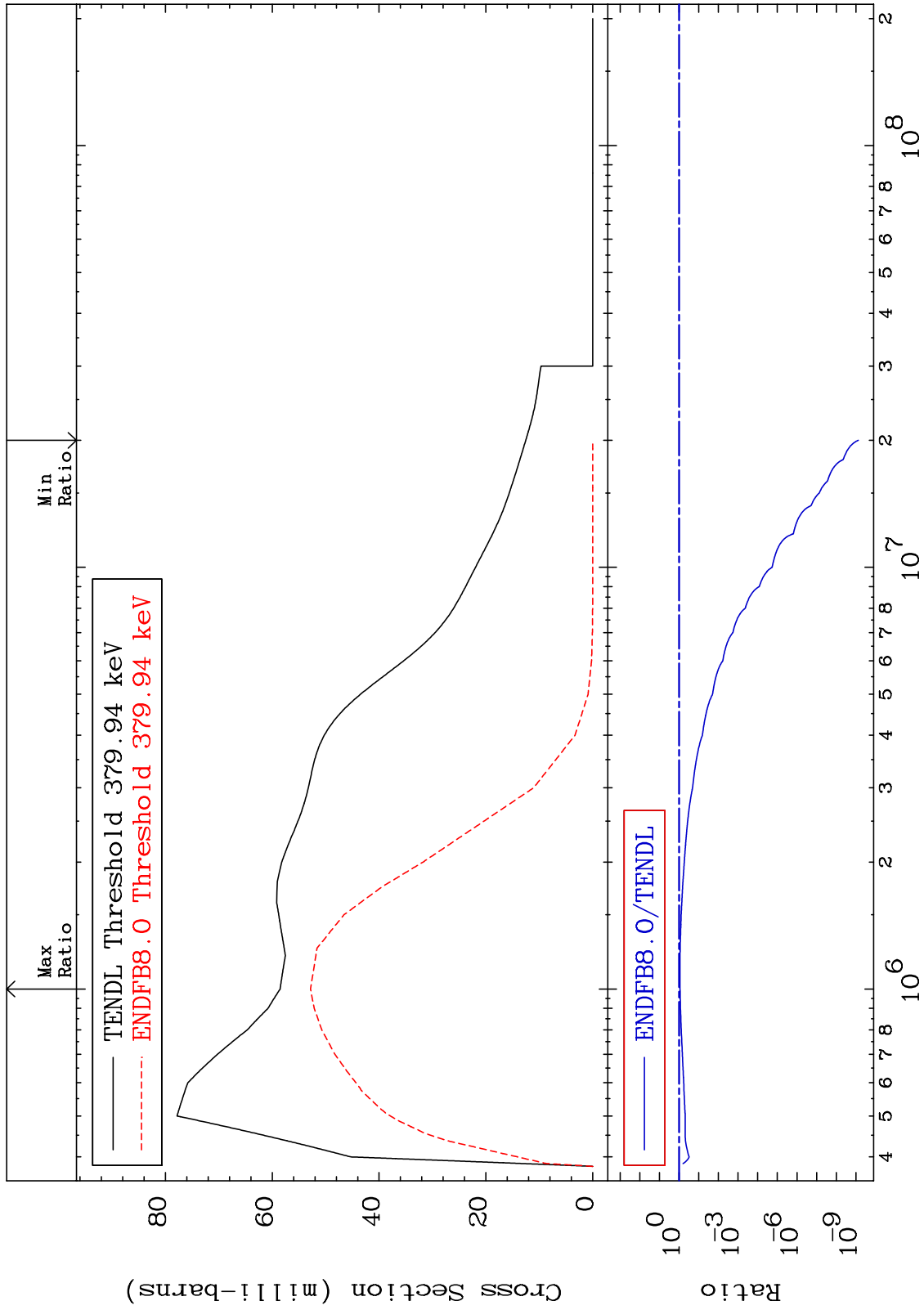
MAT 5528

MT= 66 (n,n') Level
Cross Section

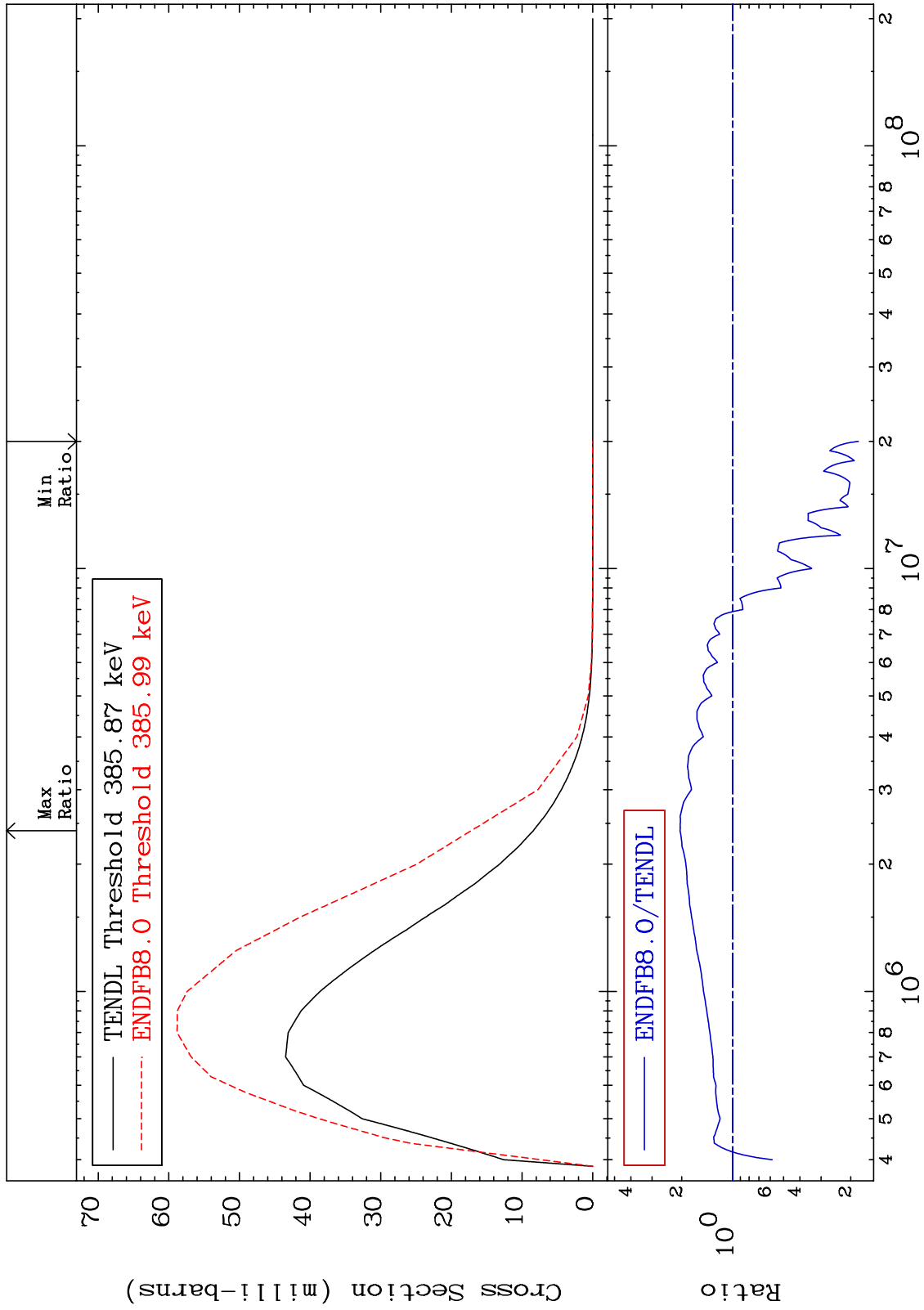
55-Cs-134
-100.0 To 83.28 %



MAT 5528 MT= 67 (n,n') Level Cross Section 55-Cs-134 -100.0 To -9.754%



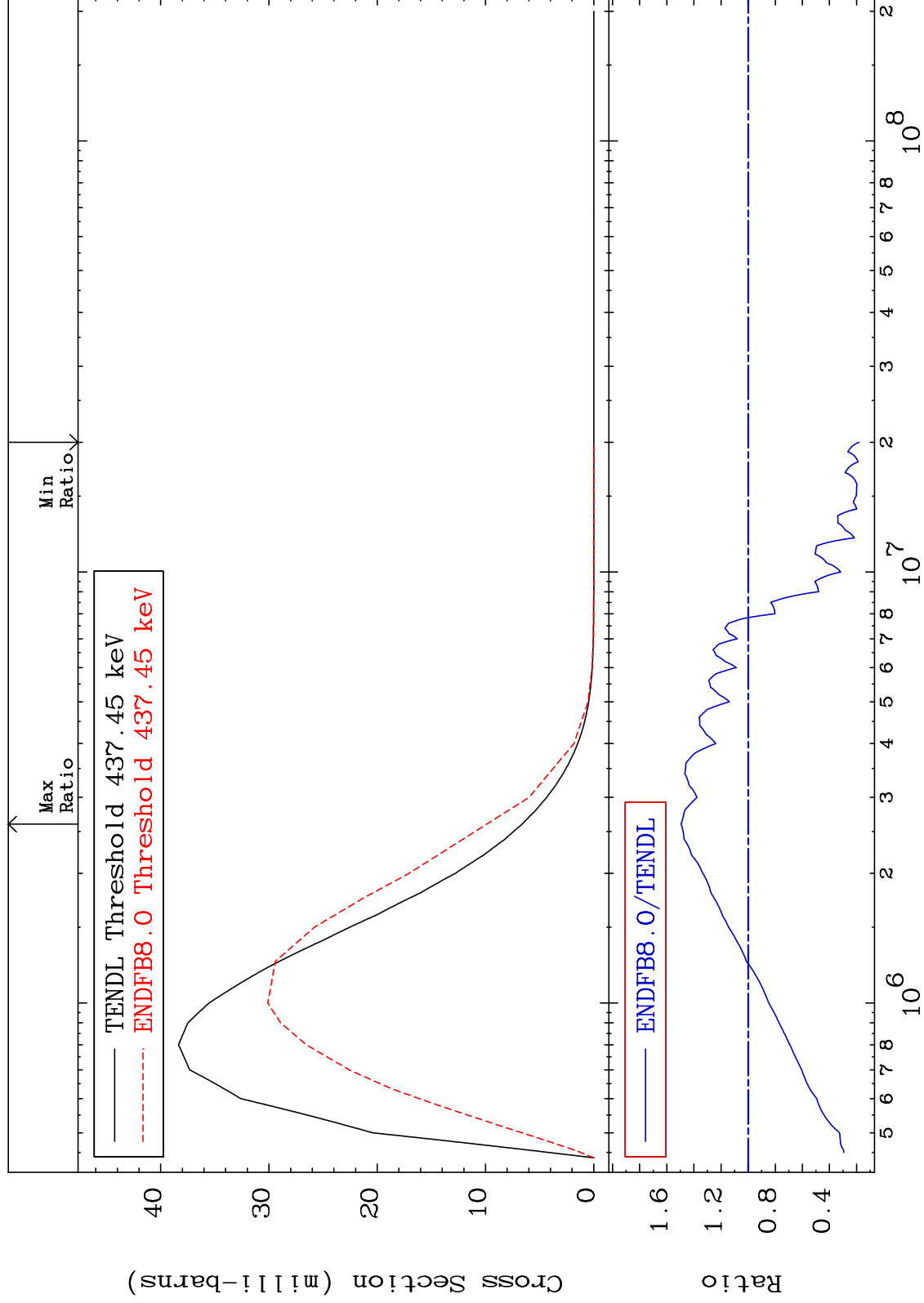
MAT 5528 MT= 68 (n,n') Level Cross Section 55-Cs-134 -81.96 To 104.8 %



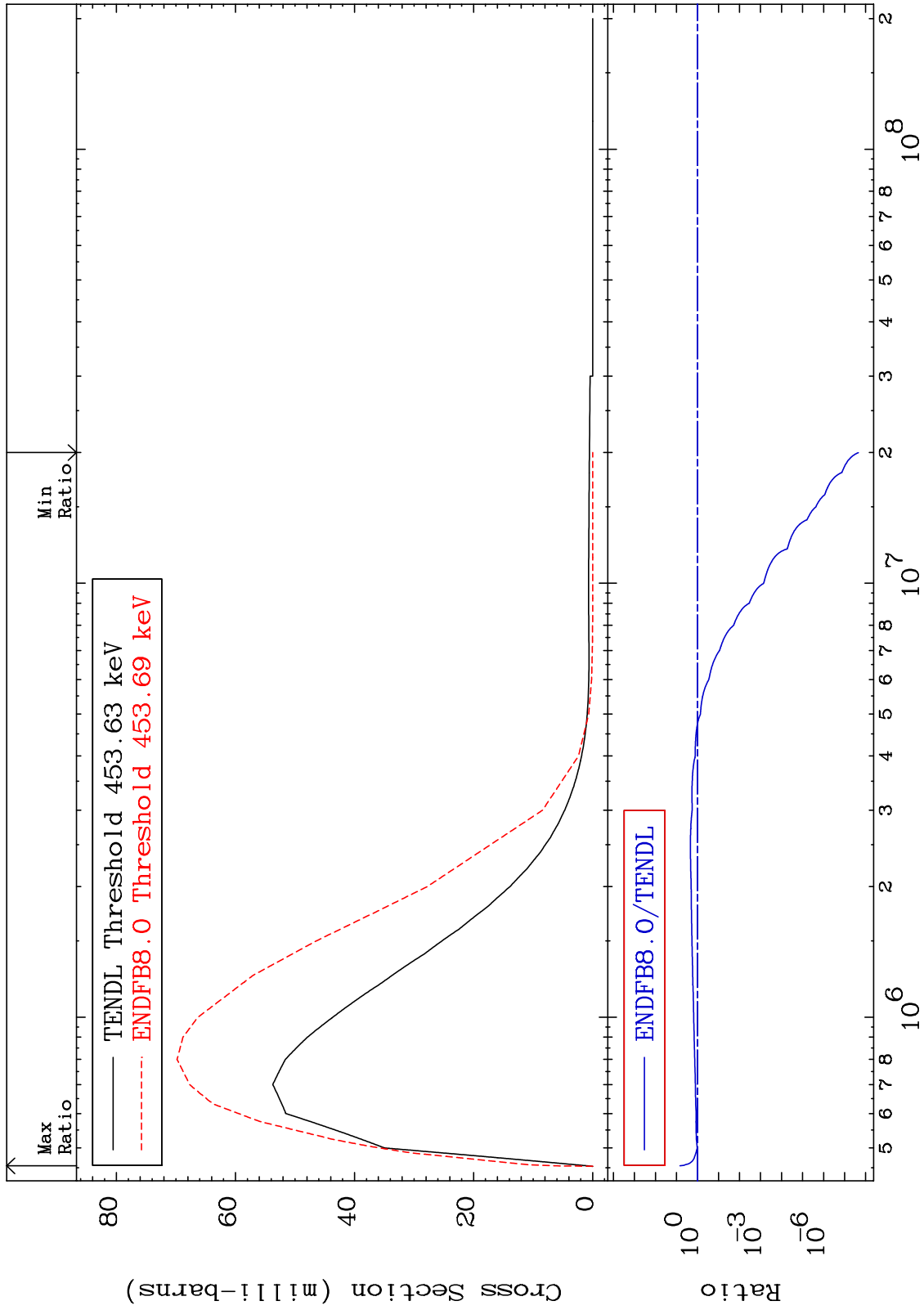
MAT 5528

MT= 69 (n,n') Level
Cross Section

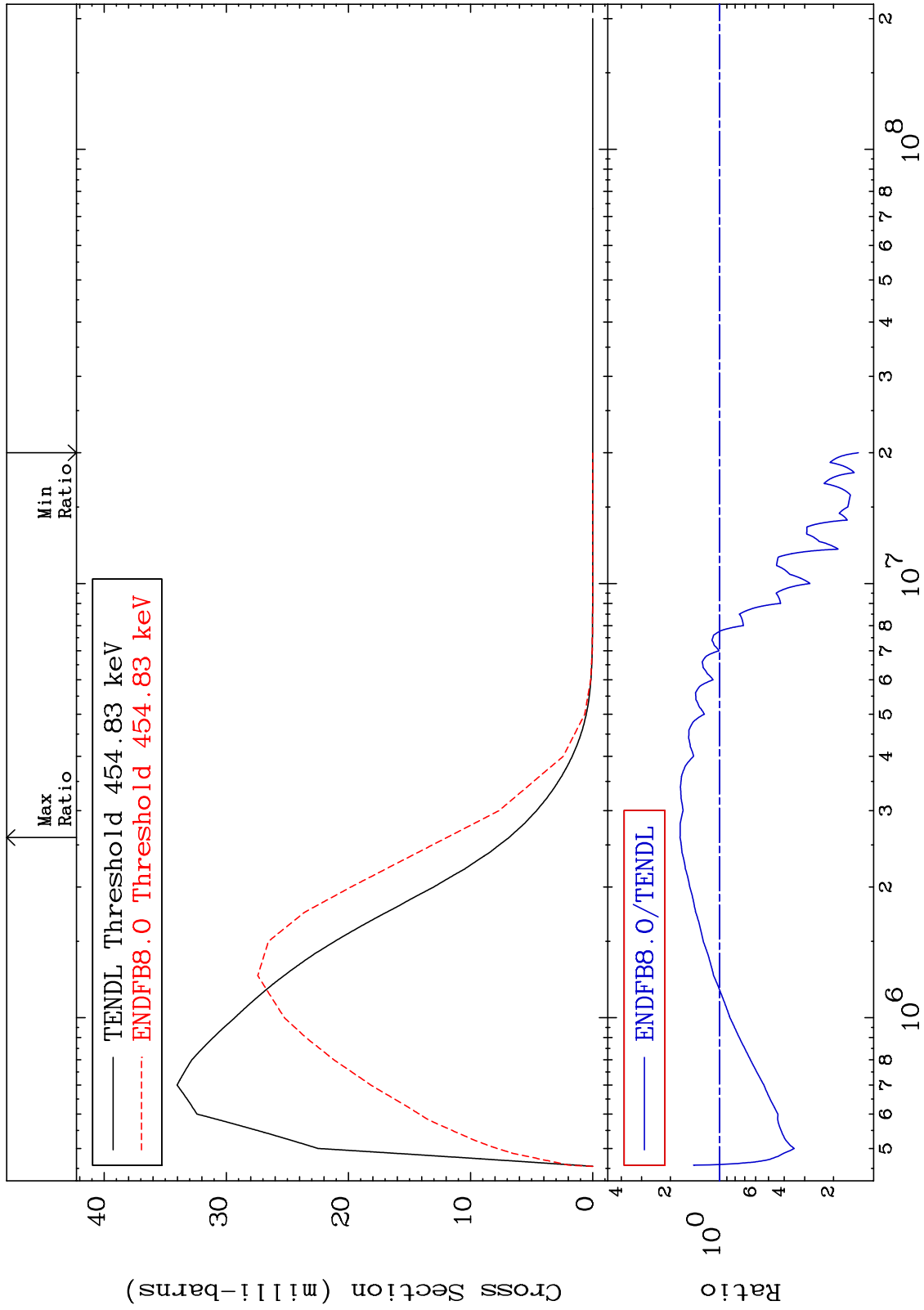
55-Cs-134
-81.98 To 49.48 %



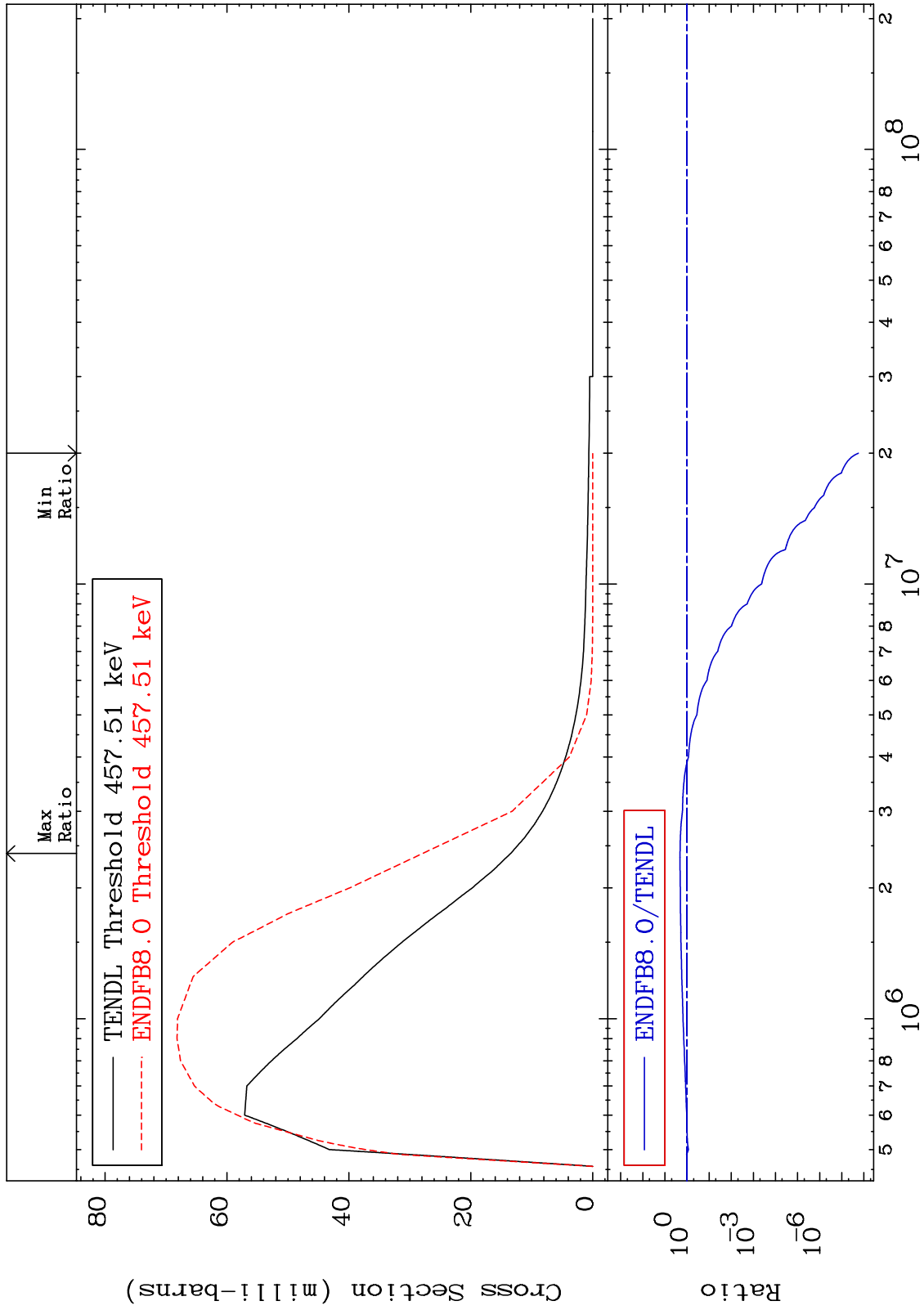
MAT 5528 MT= 70 (n,n') Level Cross Section 55-Cs-134 -100.0 To 576.5 %



MAT 5528 MT= 71 (n,n') Level Cross Section 55-Cs-134 -85.95 To 74.40 %



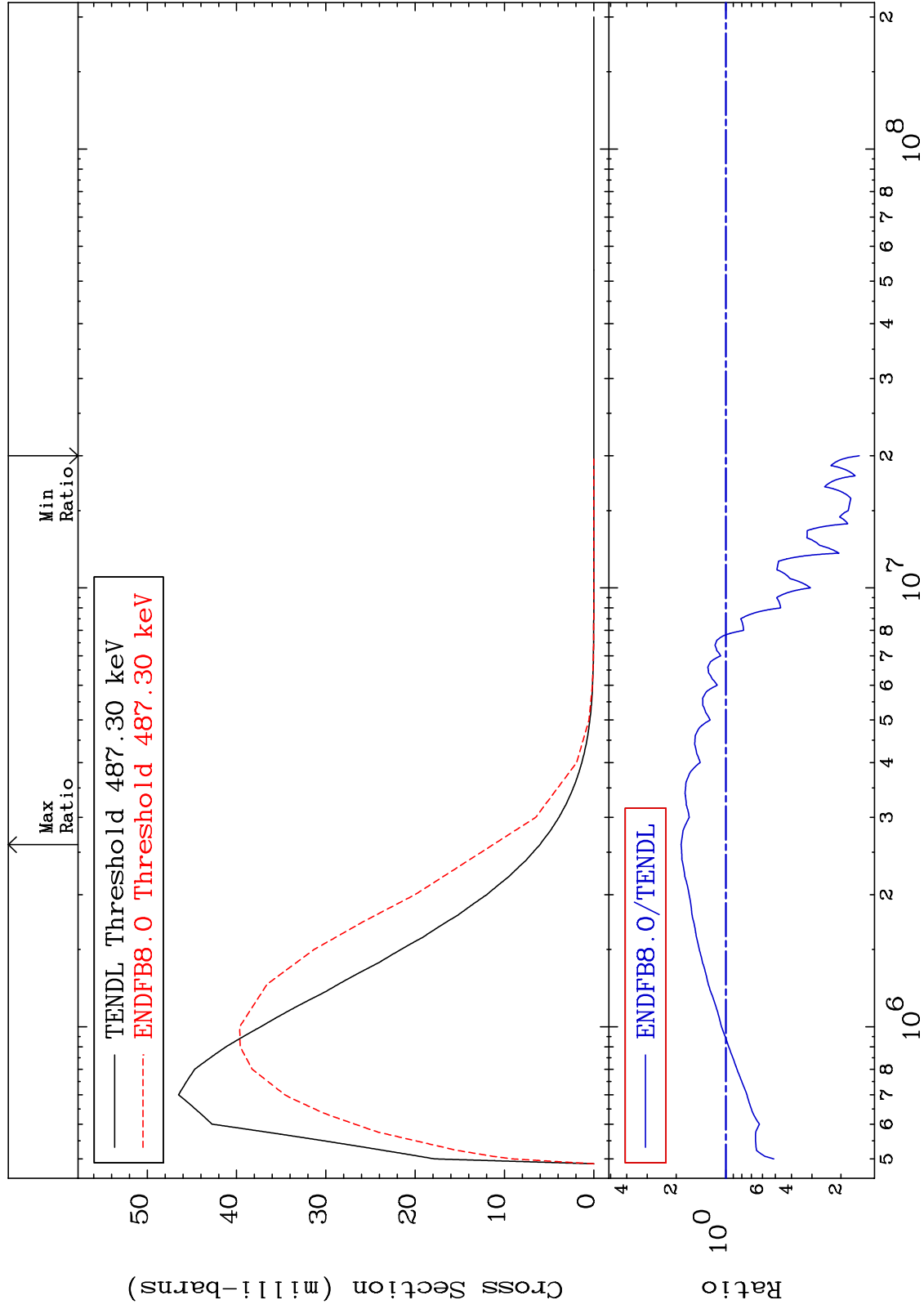
MAT 5528 MT= 72 (n,n') Level Cross Section 55-Cs-134 -100.0 To 107.5 %



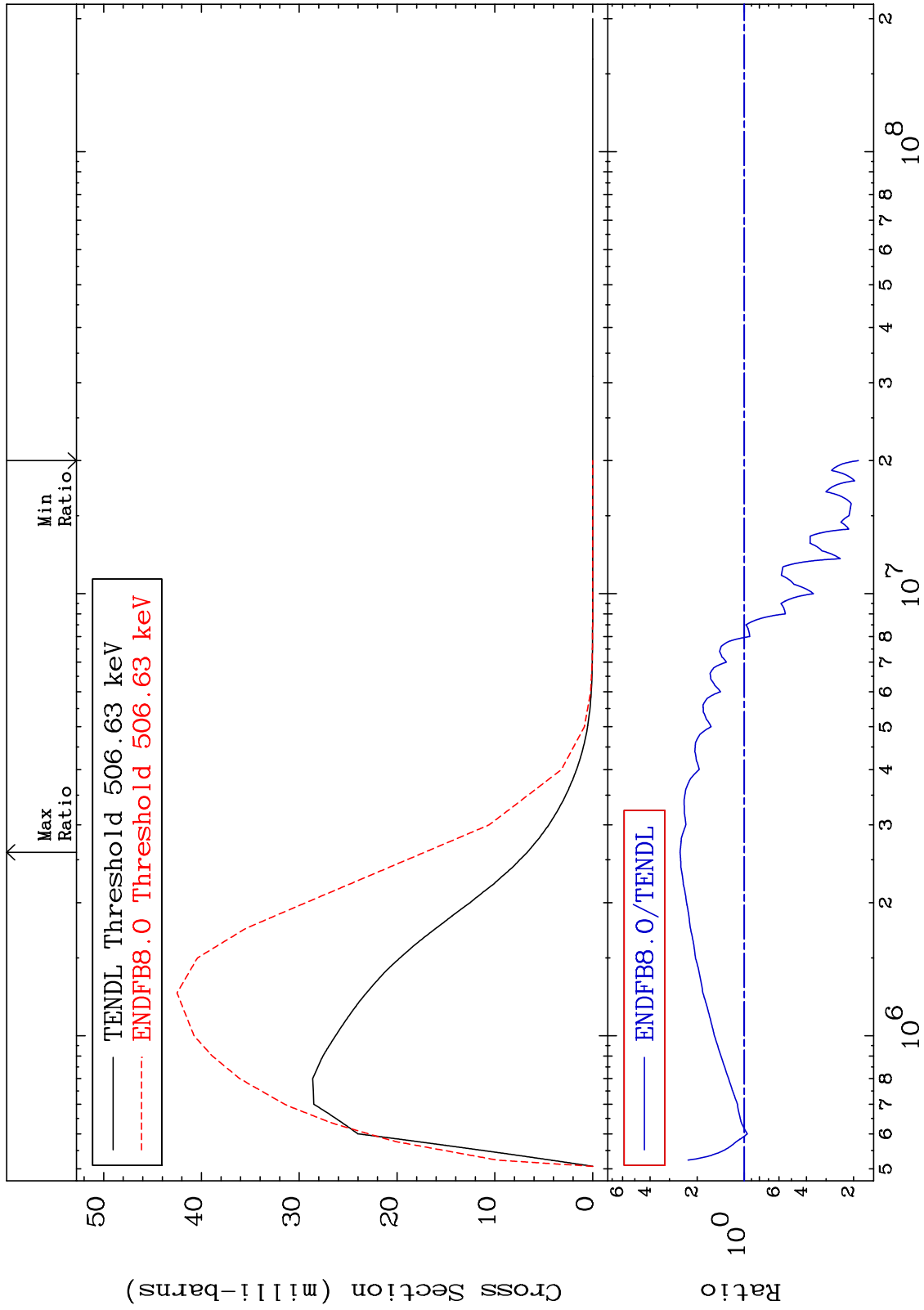
MAT 5528

MT= 73 (n,n') Level
Cross Section

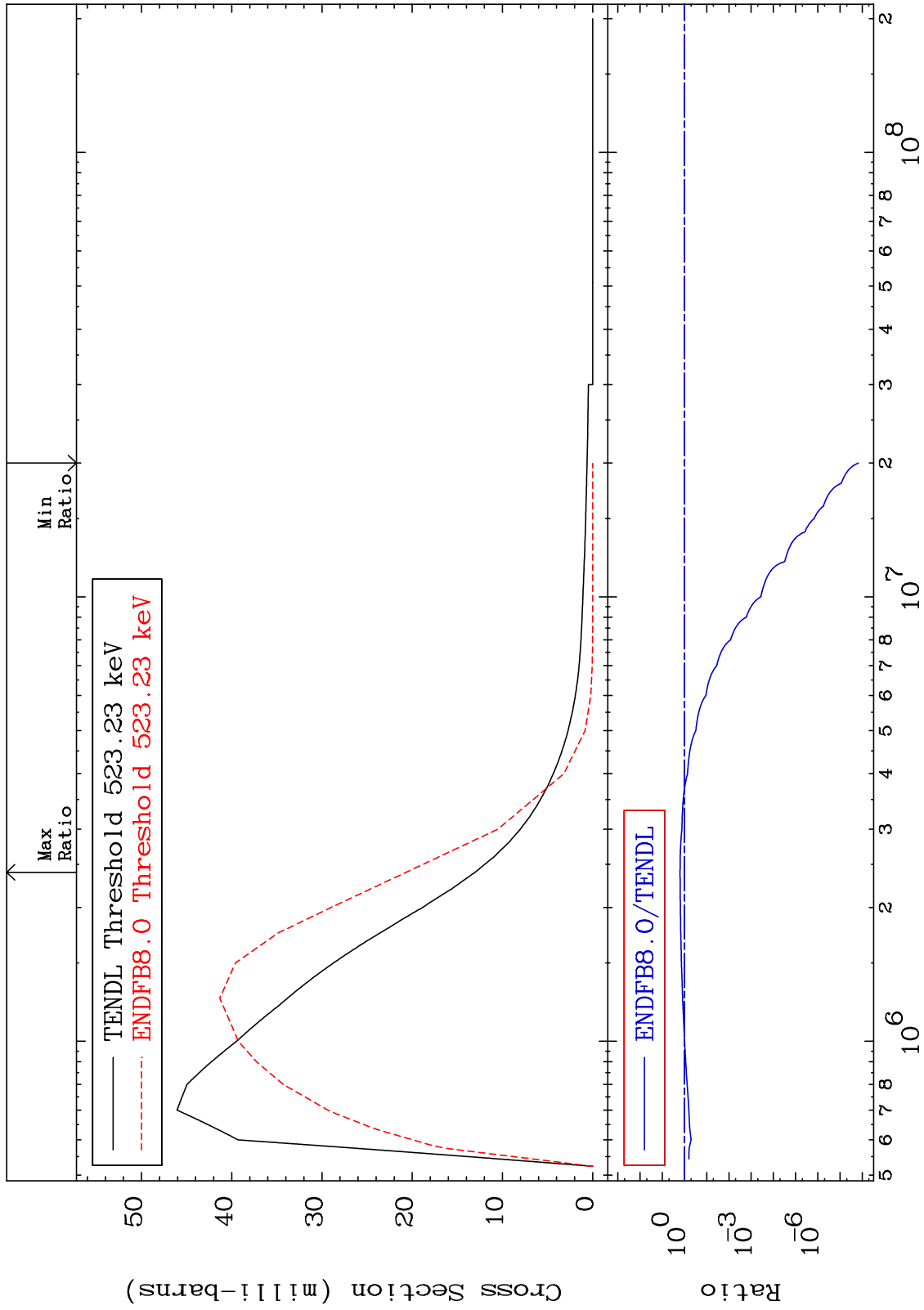
55-Cs-134
-84.51 To 86.96 %



MAT 5528 MT= 74 (n,n') Level Cross Section 55-Cs-134 -81.36 To 157.3 %



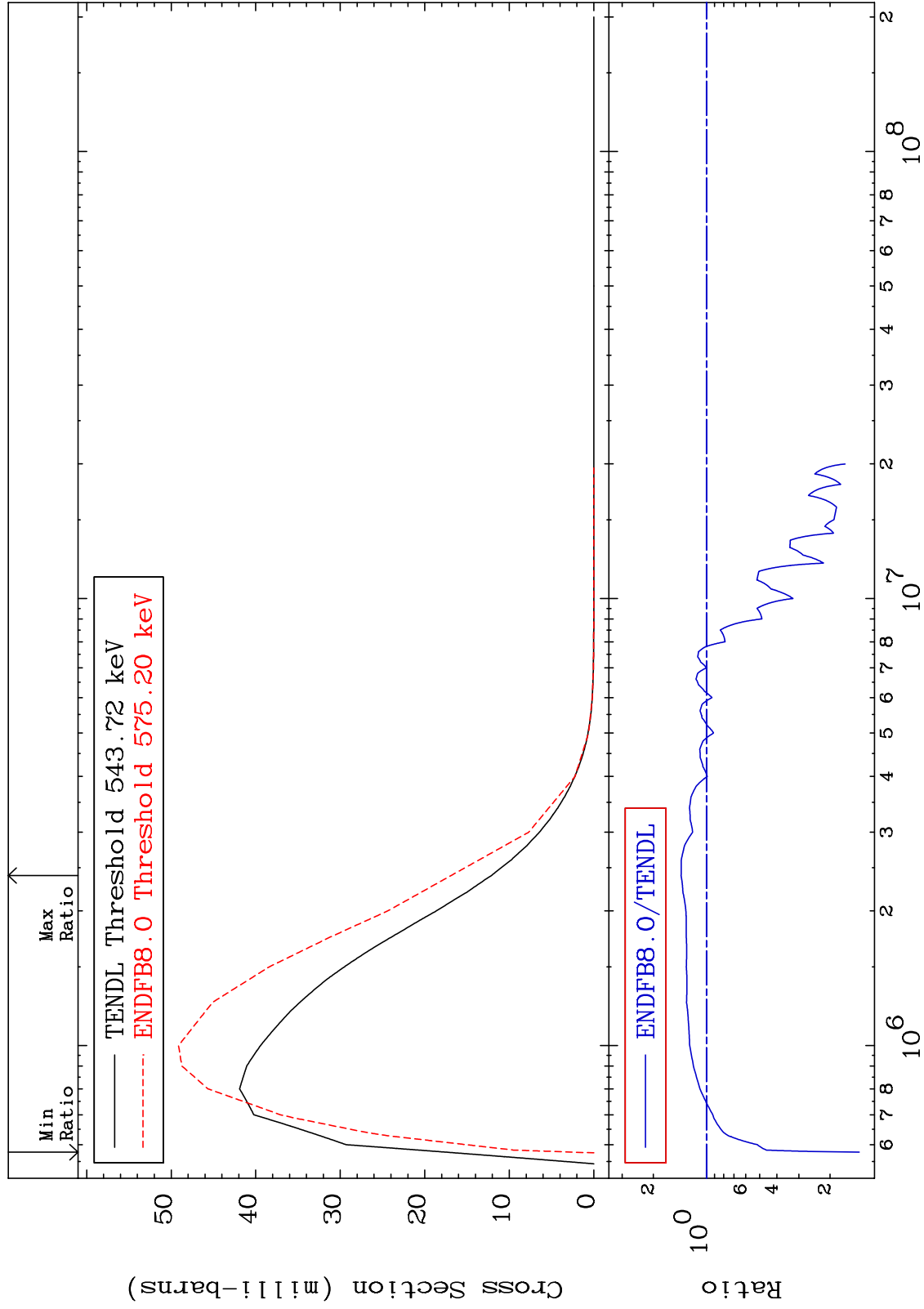
MAT 5528 MT= 75 (n,n') Level Cross Section 55-Cs-134 -100.0 To 58.88 %



MAT 5528

MT= 76 (n,n') Level
Cross Section

55-Cs-134
-86.34 To 39.36 %



35

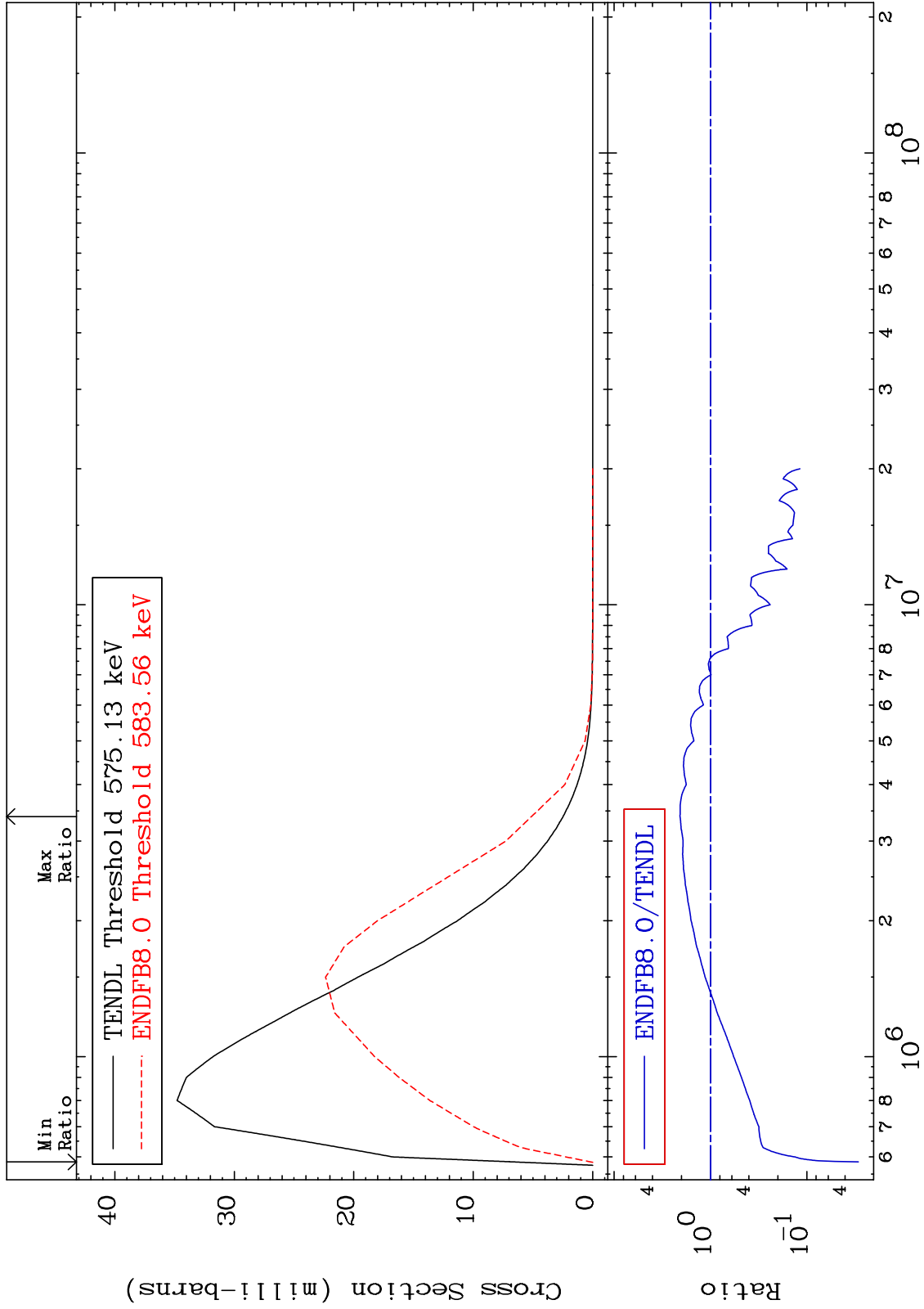
Incident Energy (eV)

55-Cs-134

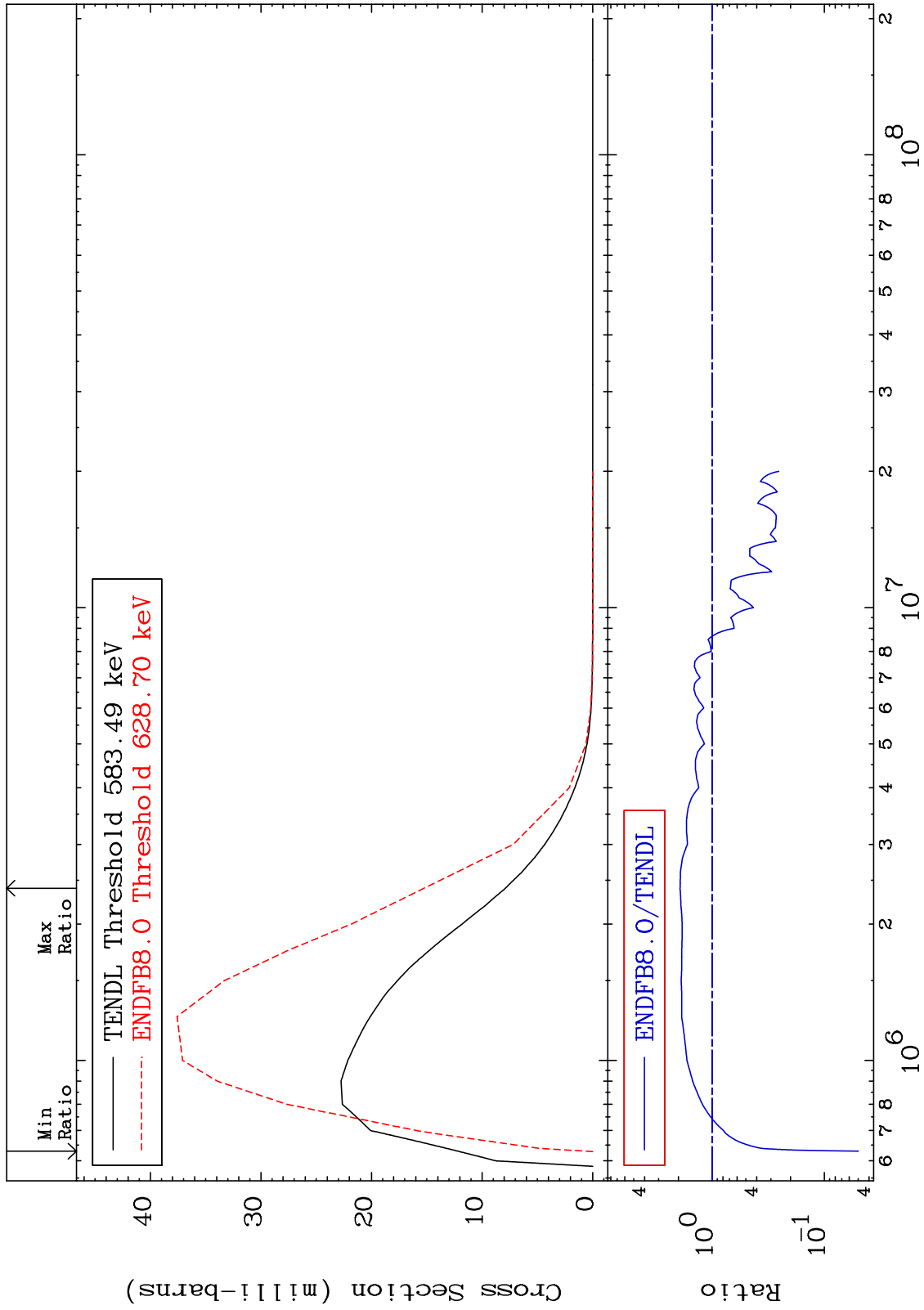
MAT 5528

MT= 77 (n,n') Level
Cross Section

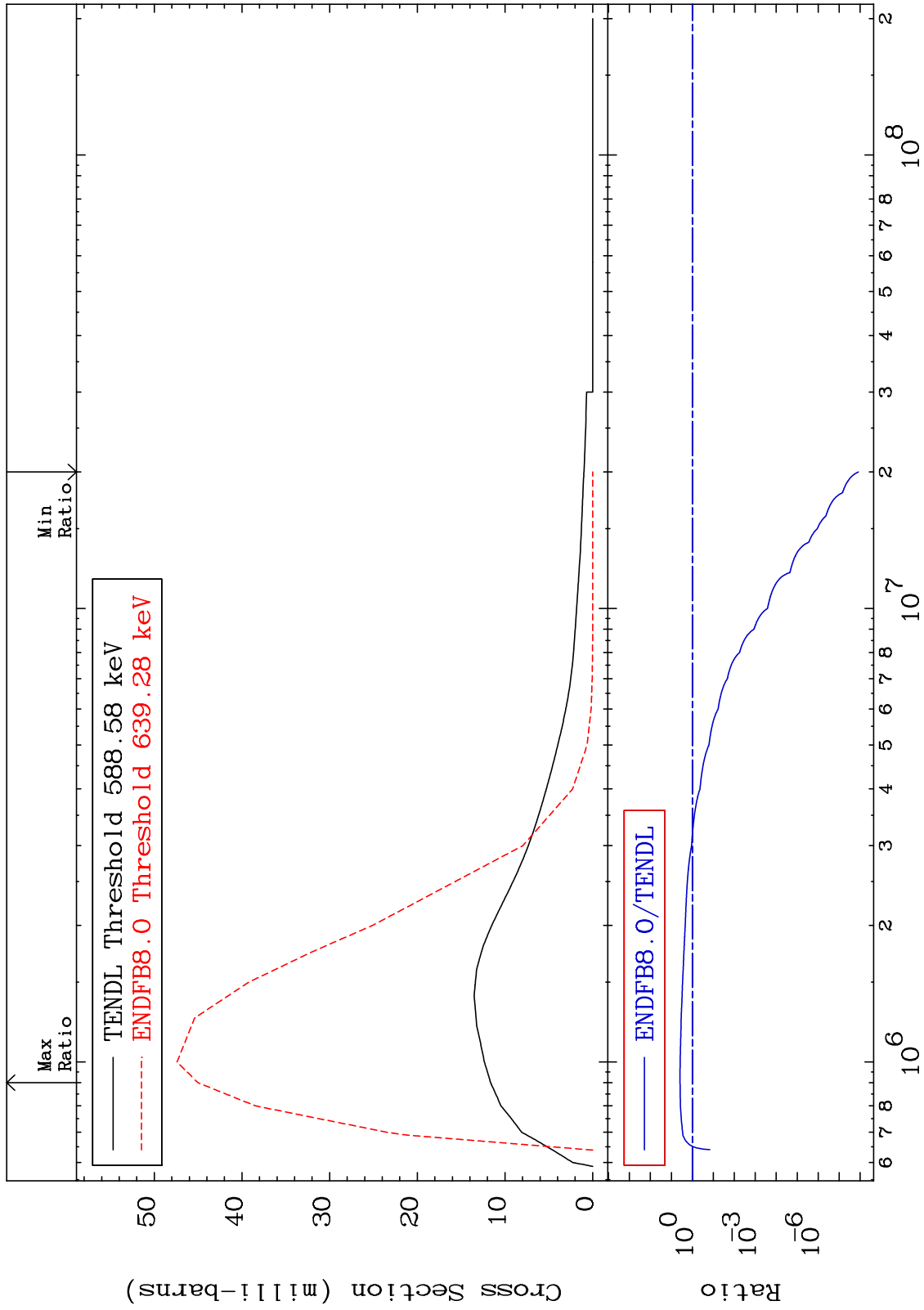
55-Cs-134
-97.09 To 107.2 %



MAT 5528 MT= 78 (n,n') Level
Cross Section 55-Cs-134
-95.02 To 93.15 %



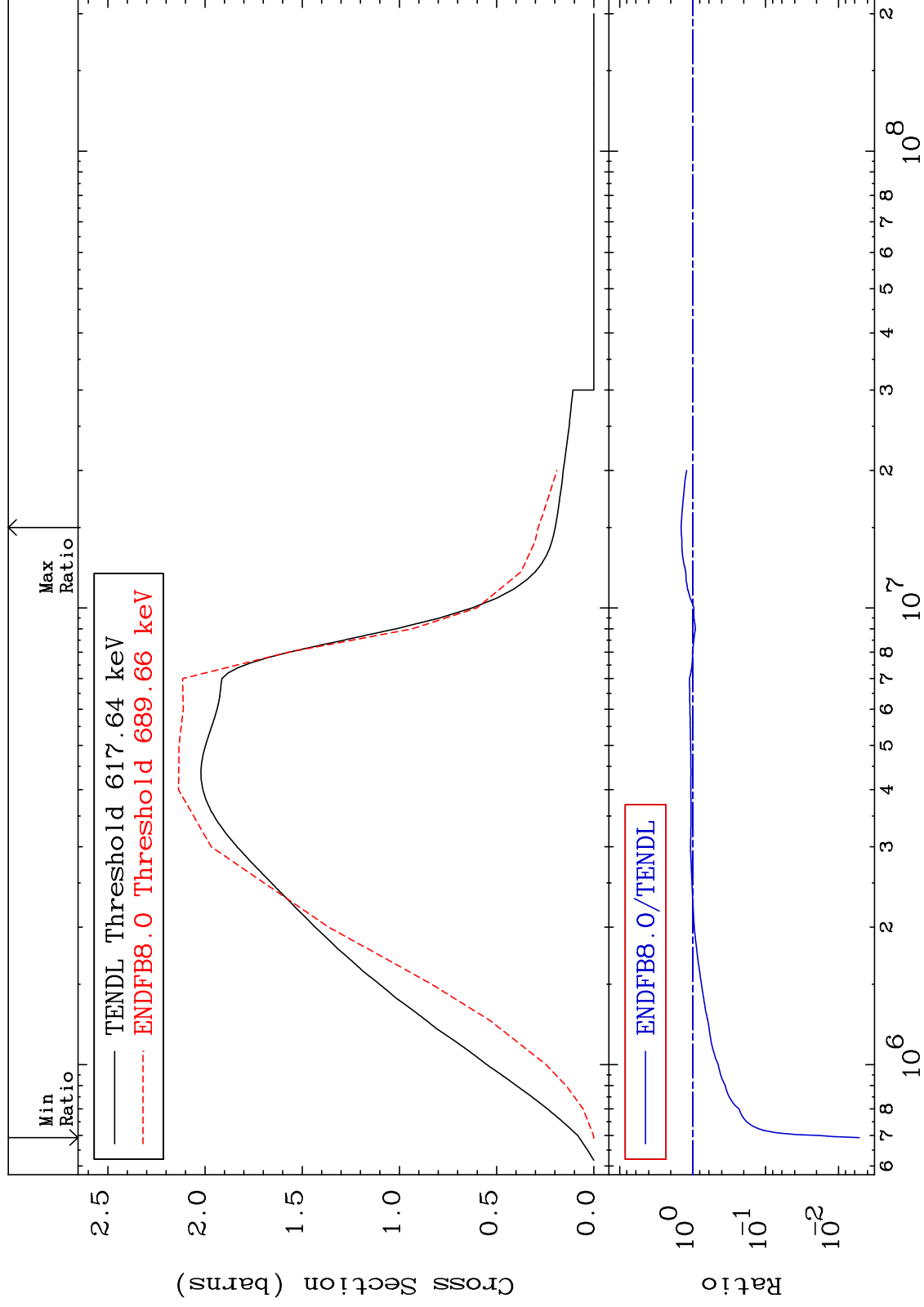
MAT 5528 MT= 79 (n,n') Level Cross Section 55-Cs-134 -100.0 To 286.7 %



MAT 5528

(n, n') Continuum
Cross Section

55-Cs-134
-99.48 To 44.25 %



39

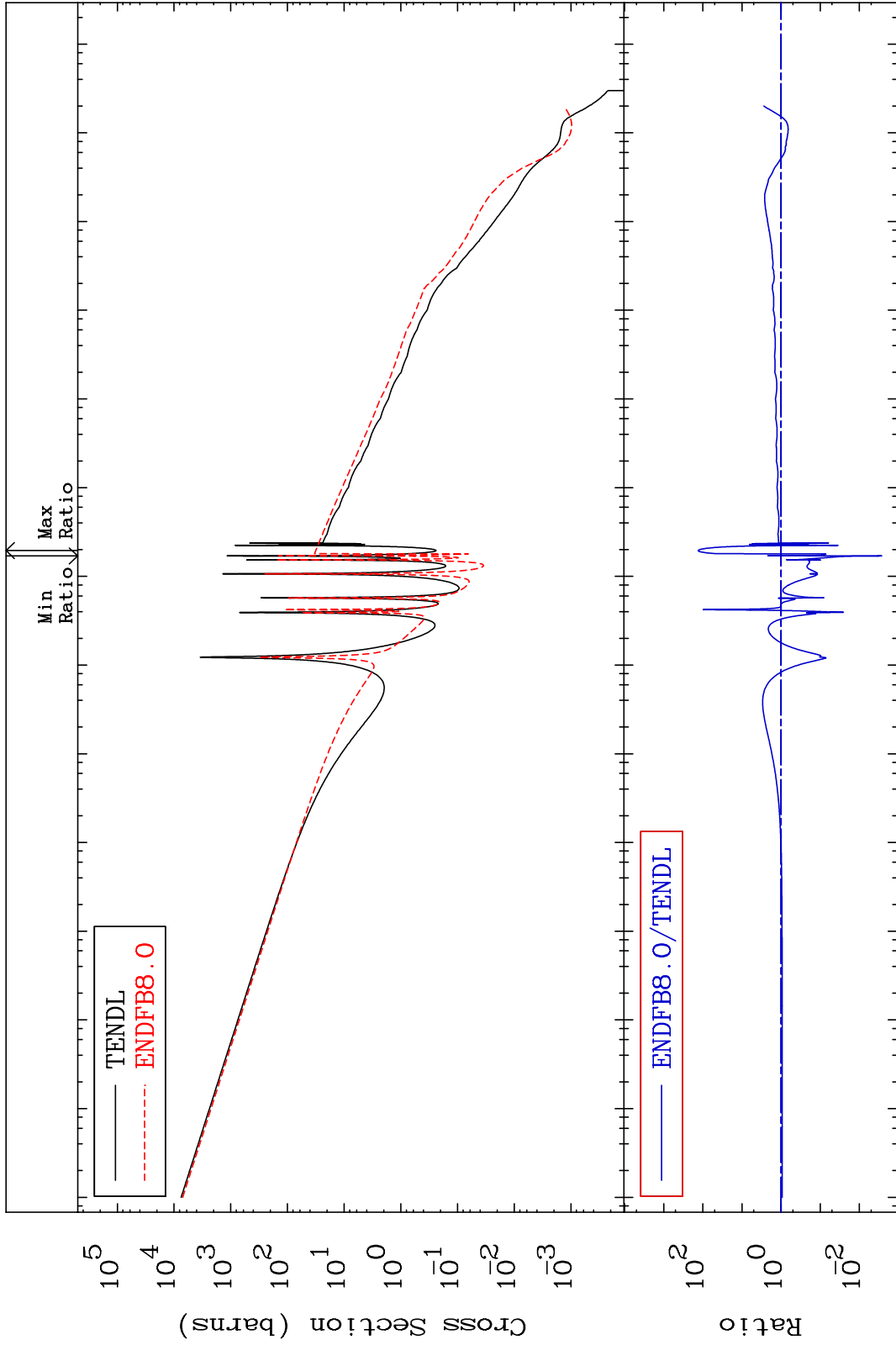
Incident Energy (eV)

55-Cs-134

MAT 5528

(n, γ)
Cross Section

55-Cs-134
-99.73 To 9999. %



40

Incident Energy (eV)

55-Cs-134

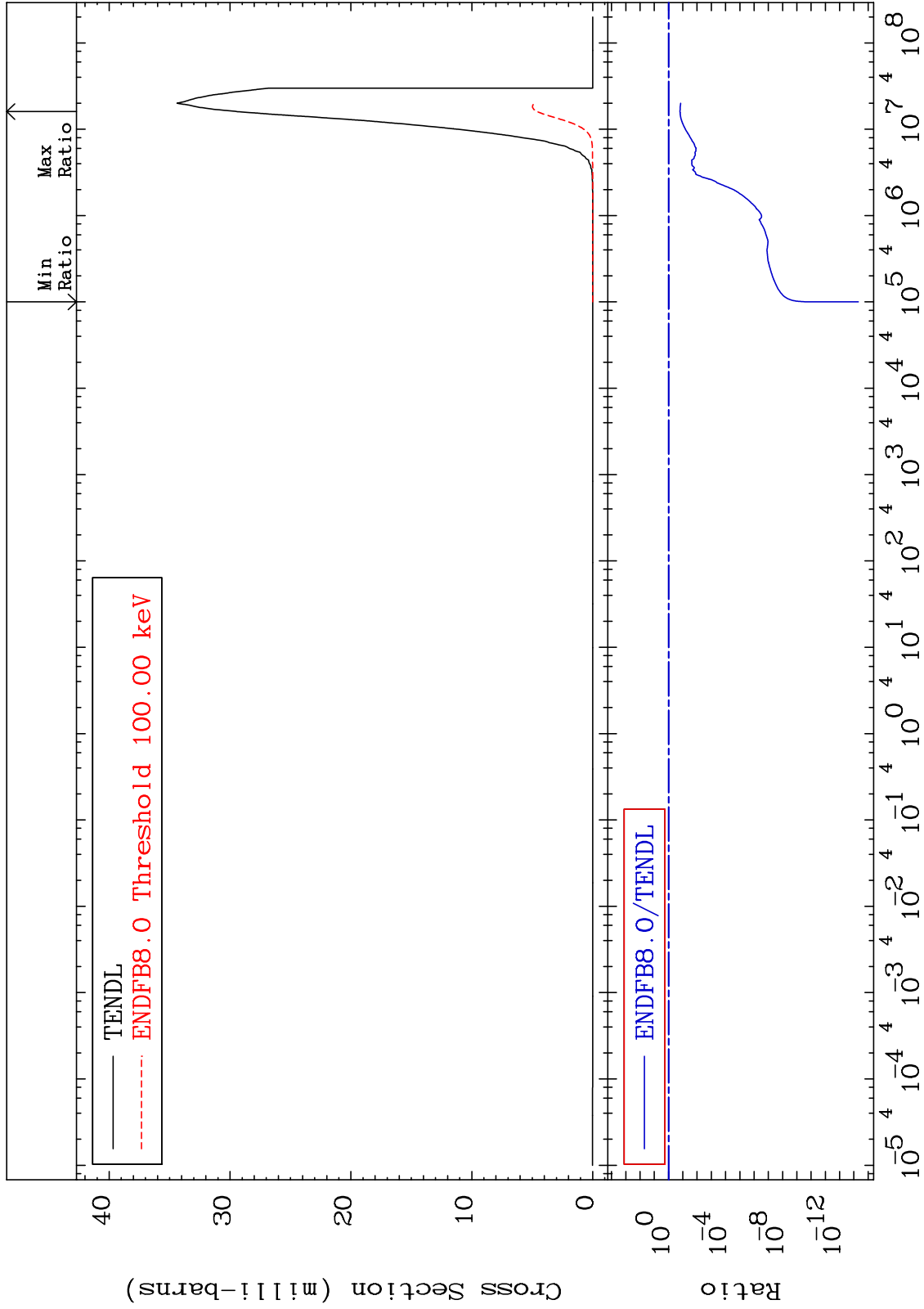
MAT 5528

(n, p)

55-Cs-134

Cross Section

-100.0 To -84.29%



41

Incident Energy (eV)

55-Cs-134

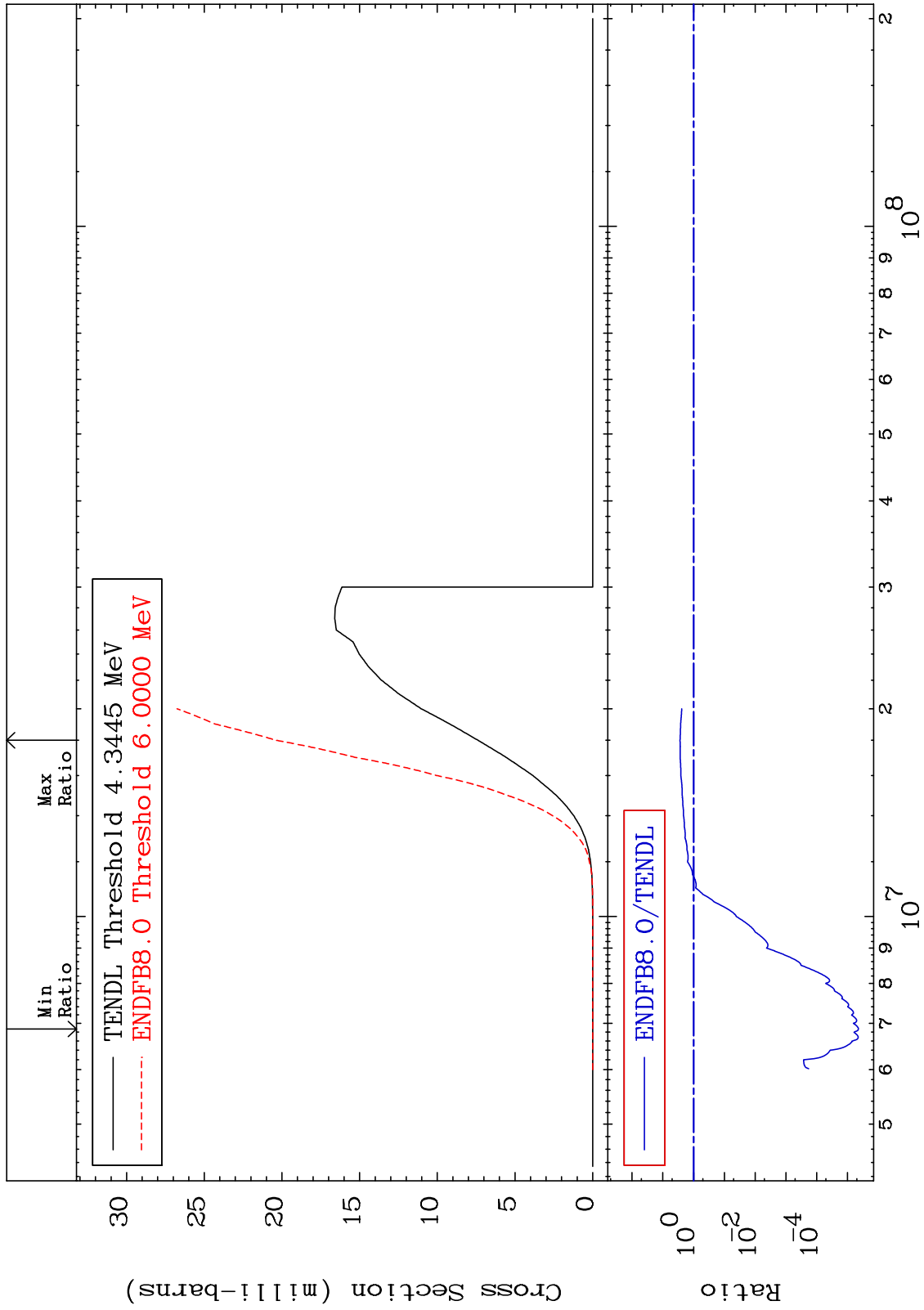
MAT 5528

(n, d)

55-Cs-134

Cross Section

-100.0 To 175.9 %



42

Incident Energy (eV)

55-Cs-134

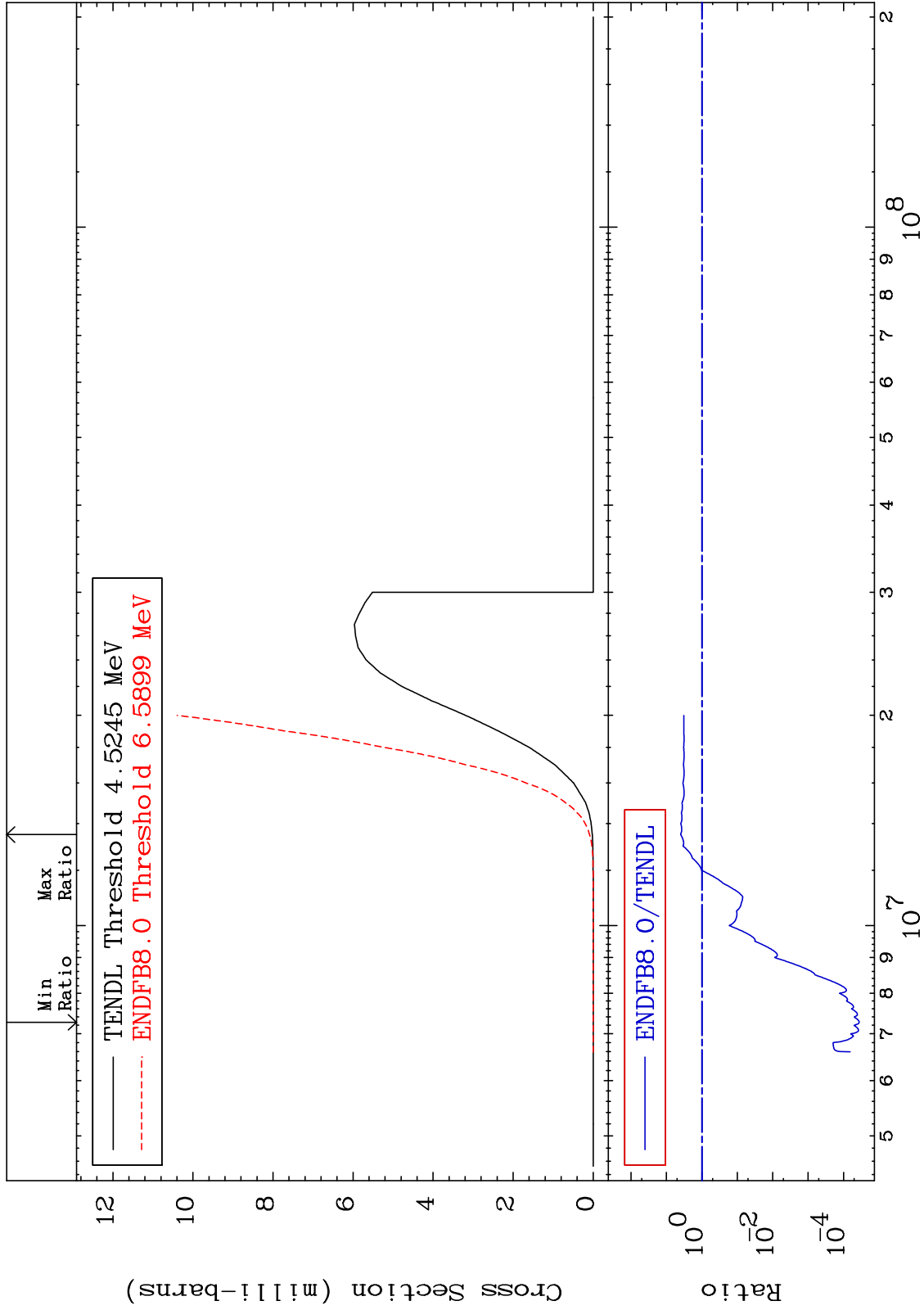
MAT 5528

(n, t)

55-Cs-134

Cross Section

-100.0 To 298.5 %



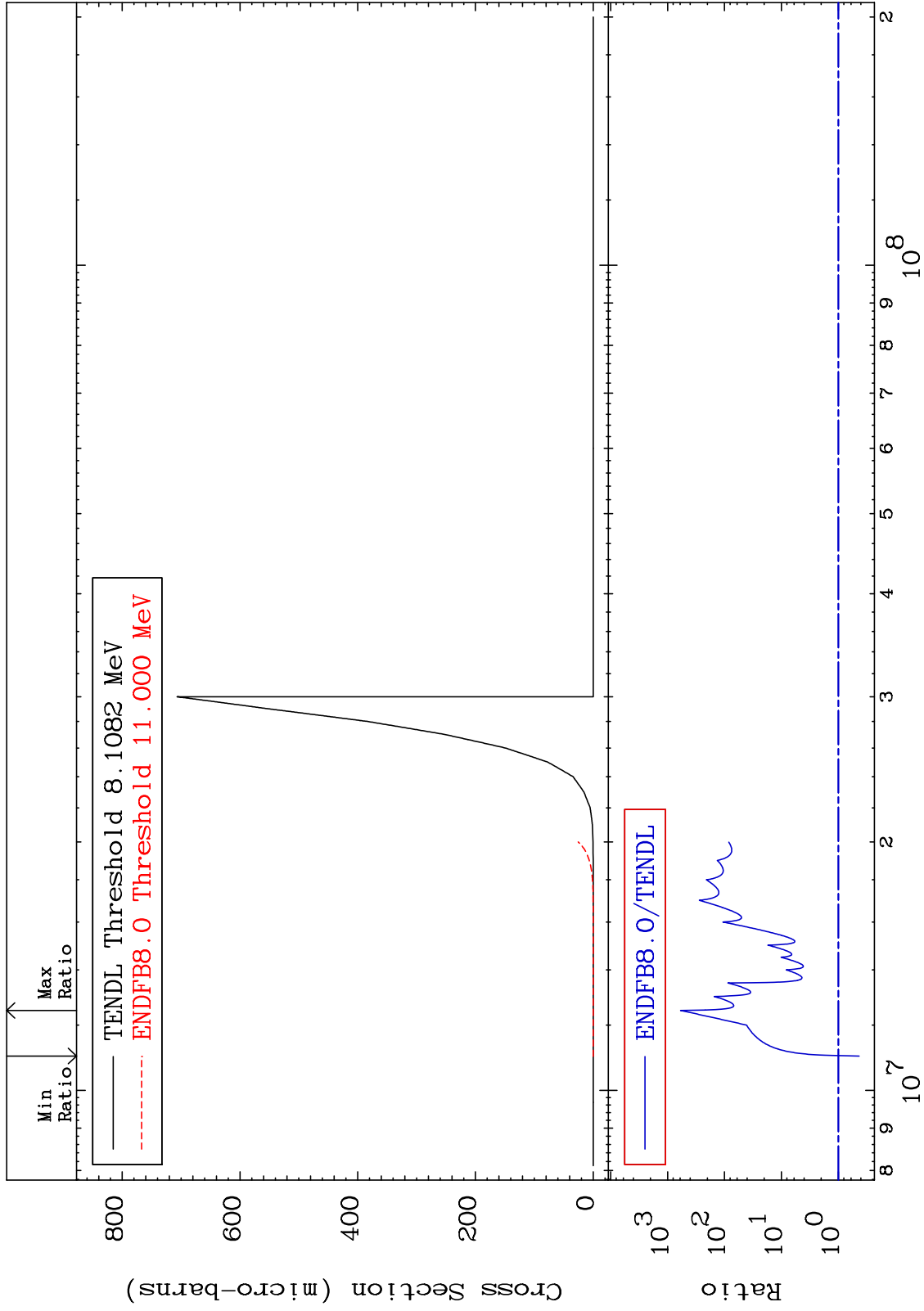
MAT 5528

(n, He-3)

55-Cs-134

Cross Section

-56.99 To 9999. %



44

Incident Energy (eV)

55-Cs-134

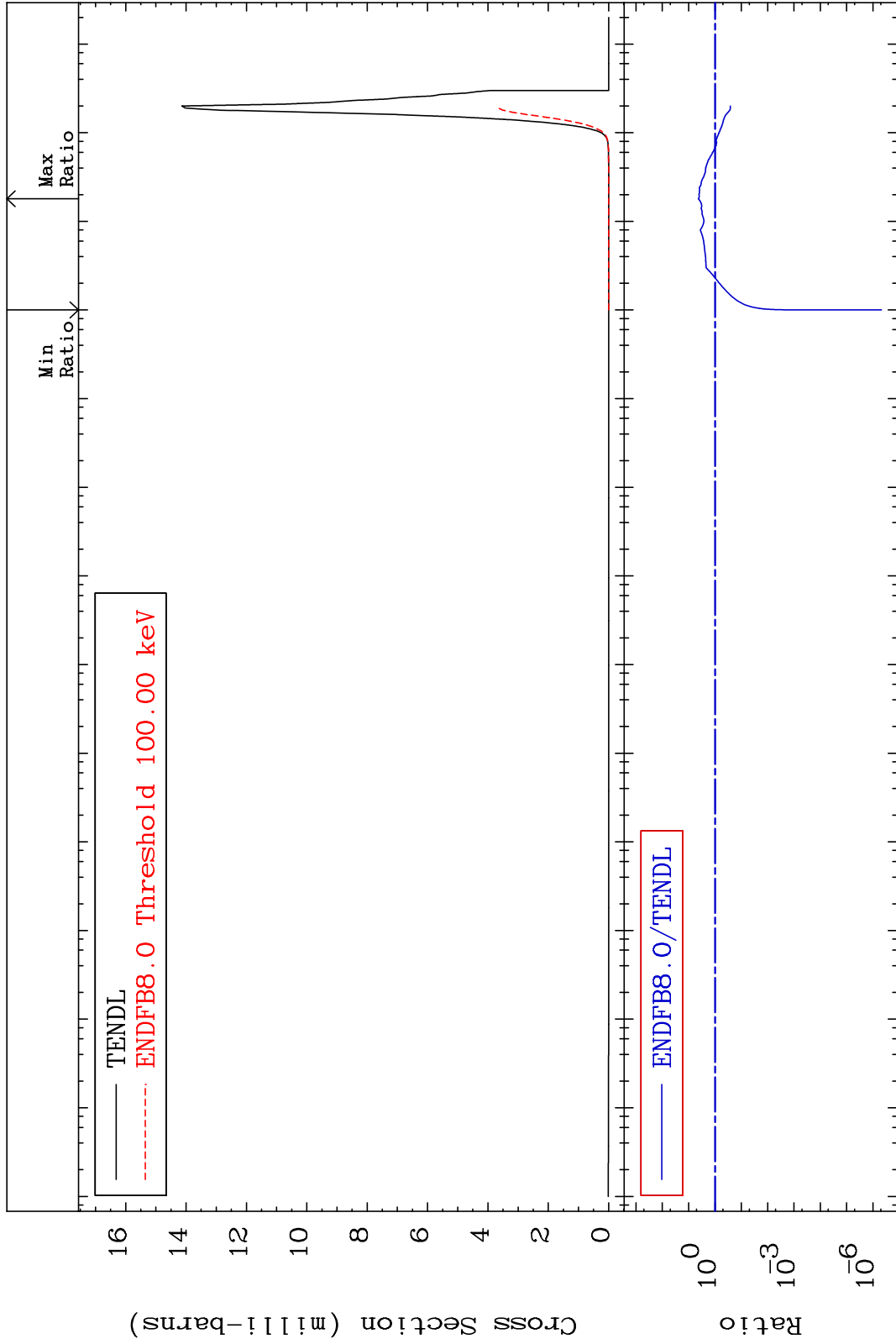
MAT 5528

(n, α)

55-Cs-134

Cross Section

-100.0 To 328.3 %



Incident Energy (eV)

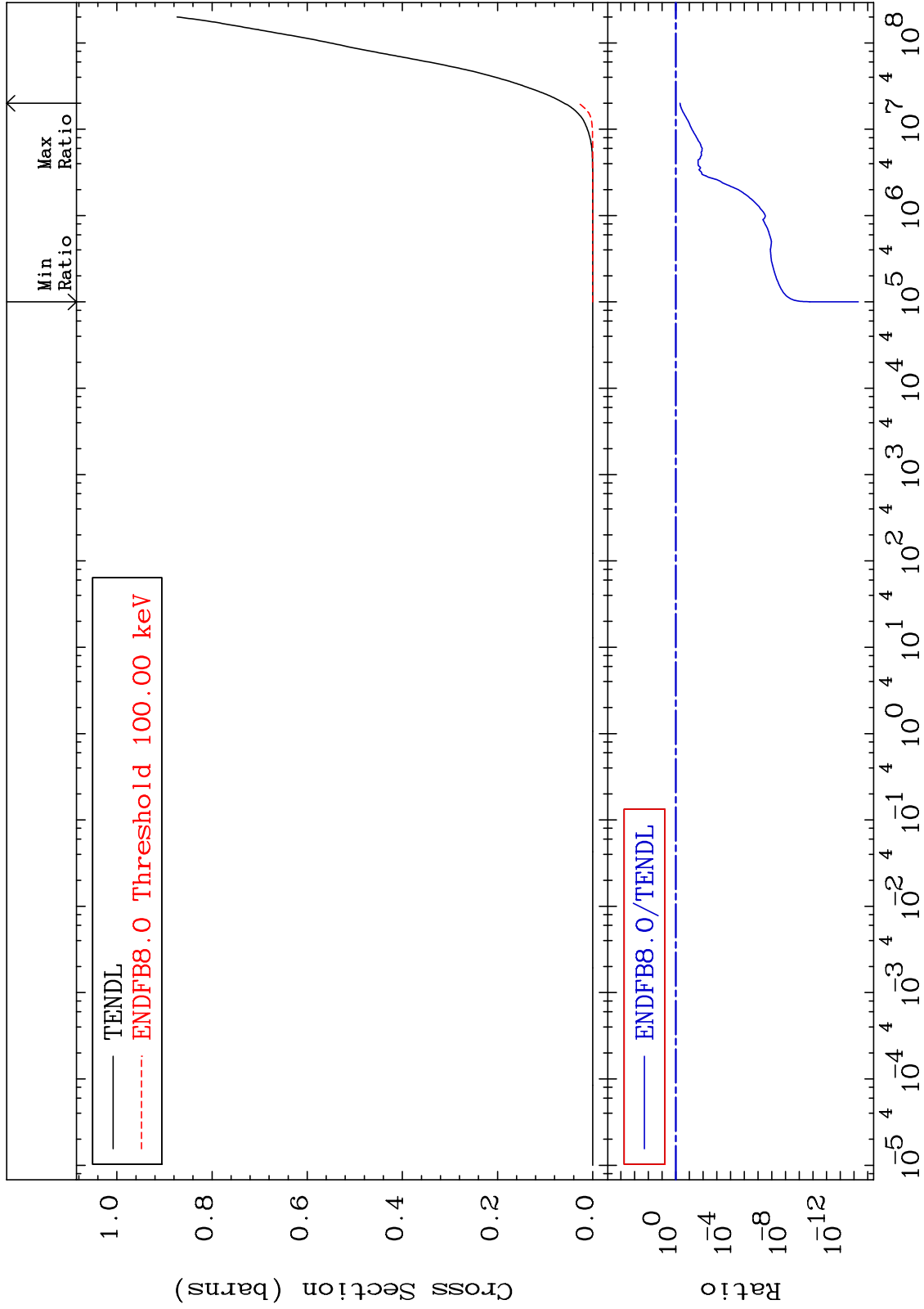
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁴ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

55-Cs-134

MAT 5528

Hydrogen Production
Cross Section

55-Cs-134
-100.0 To -51.55%



46

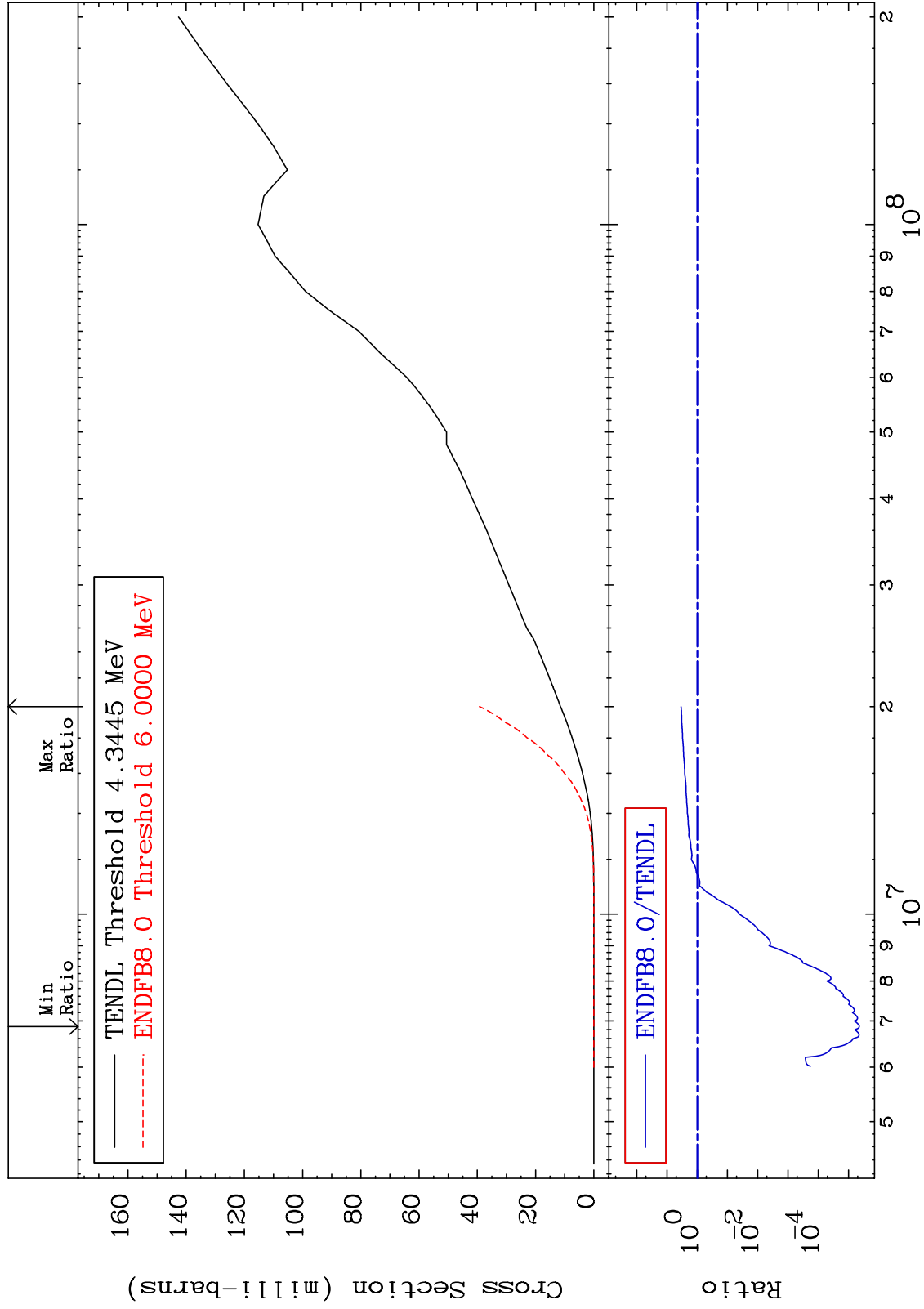
Incident Energy (eV)

55-Cs-134

MAT 5528

Deuterium Production
Cross Section

55-Cs-134
-100.0 To 243.1 %



47

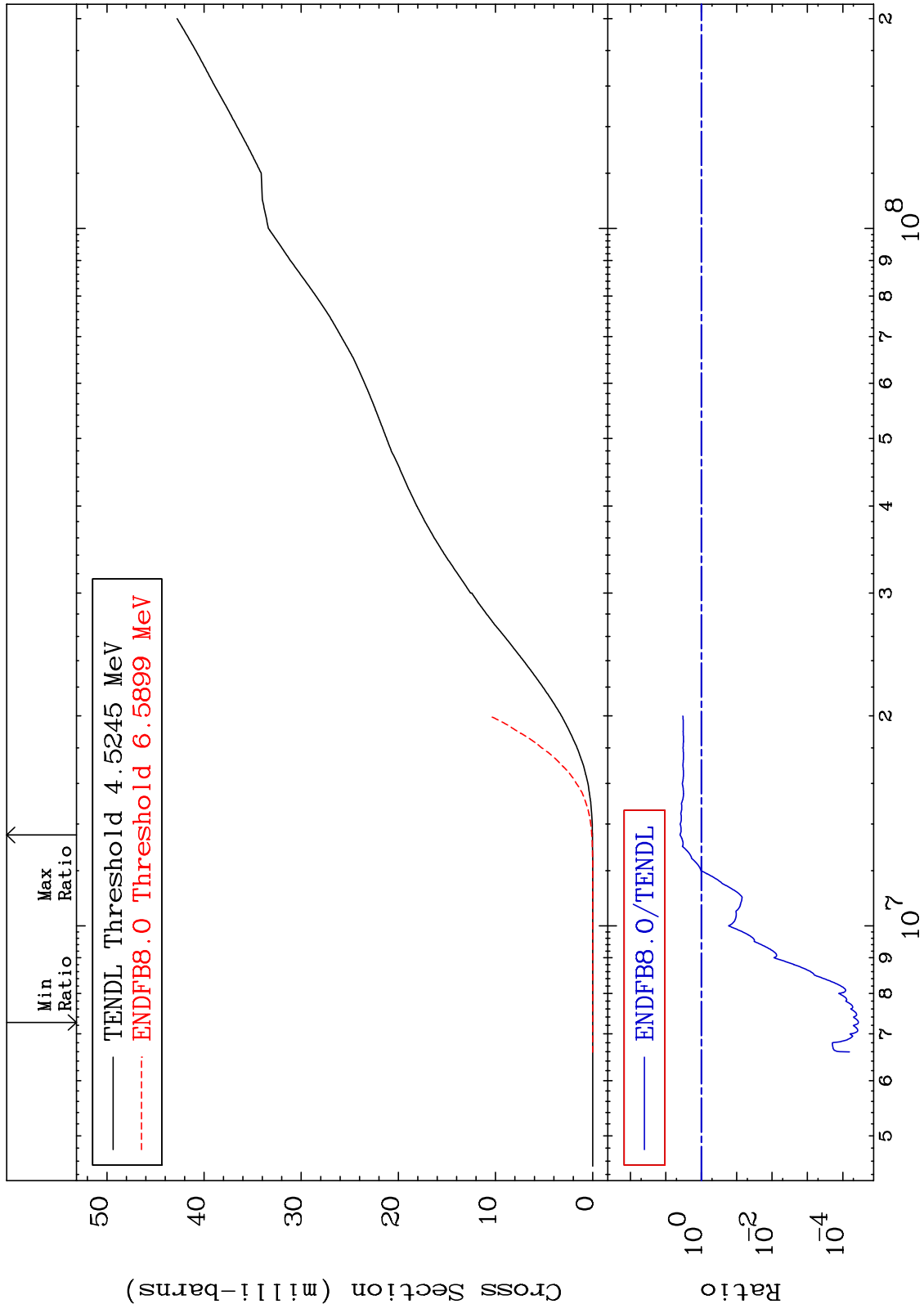
Incident Energy (eV)

55-Cs-134

MAT 5528

Tritium Production
Cross Section

55-Cs-134
-100.0 To 298.5 %



48

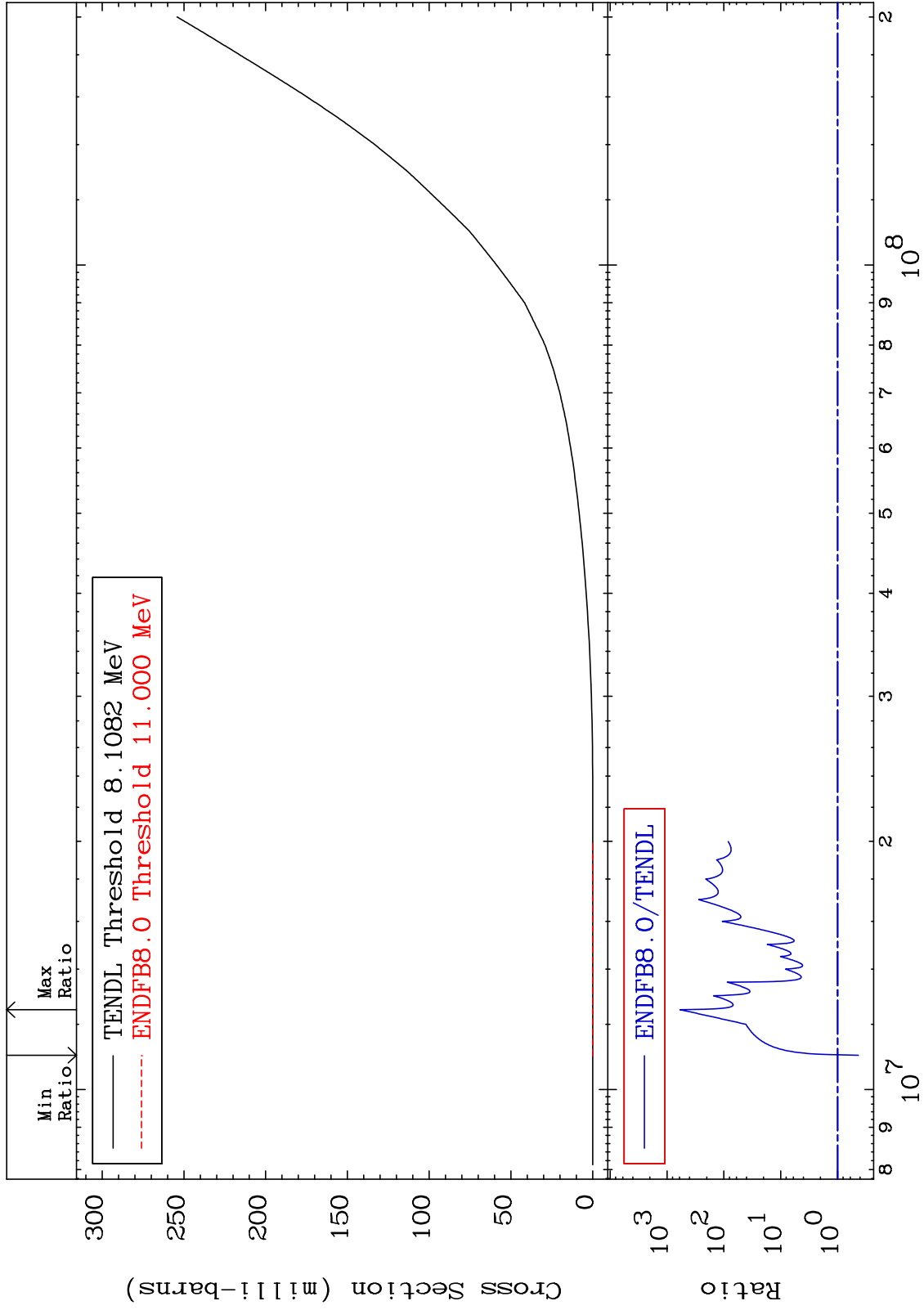
Incident Energy (eV)

55-Cs-134

MAT 5528

He-3 Production
Cross Section

55-Cs-134
-56.99 To 9999. %



49

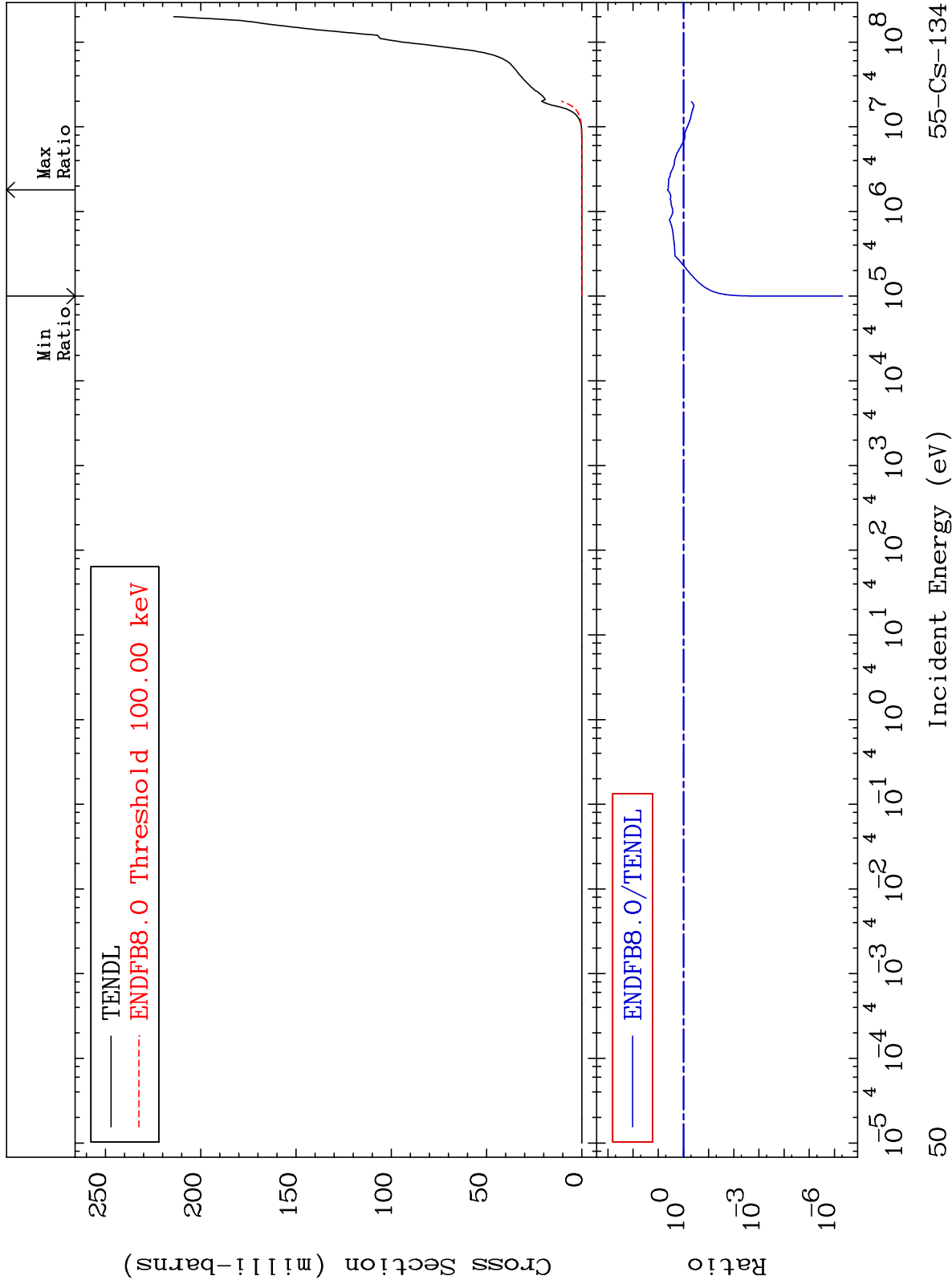
Incident Energy (eV)

55-Cs-134

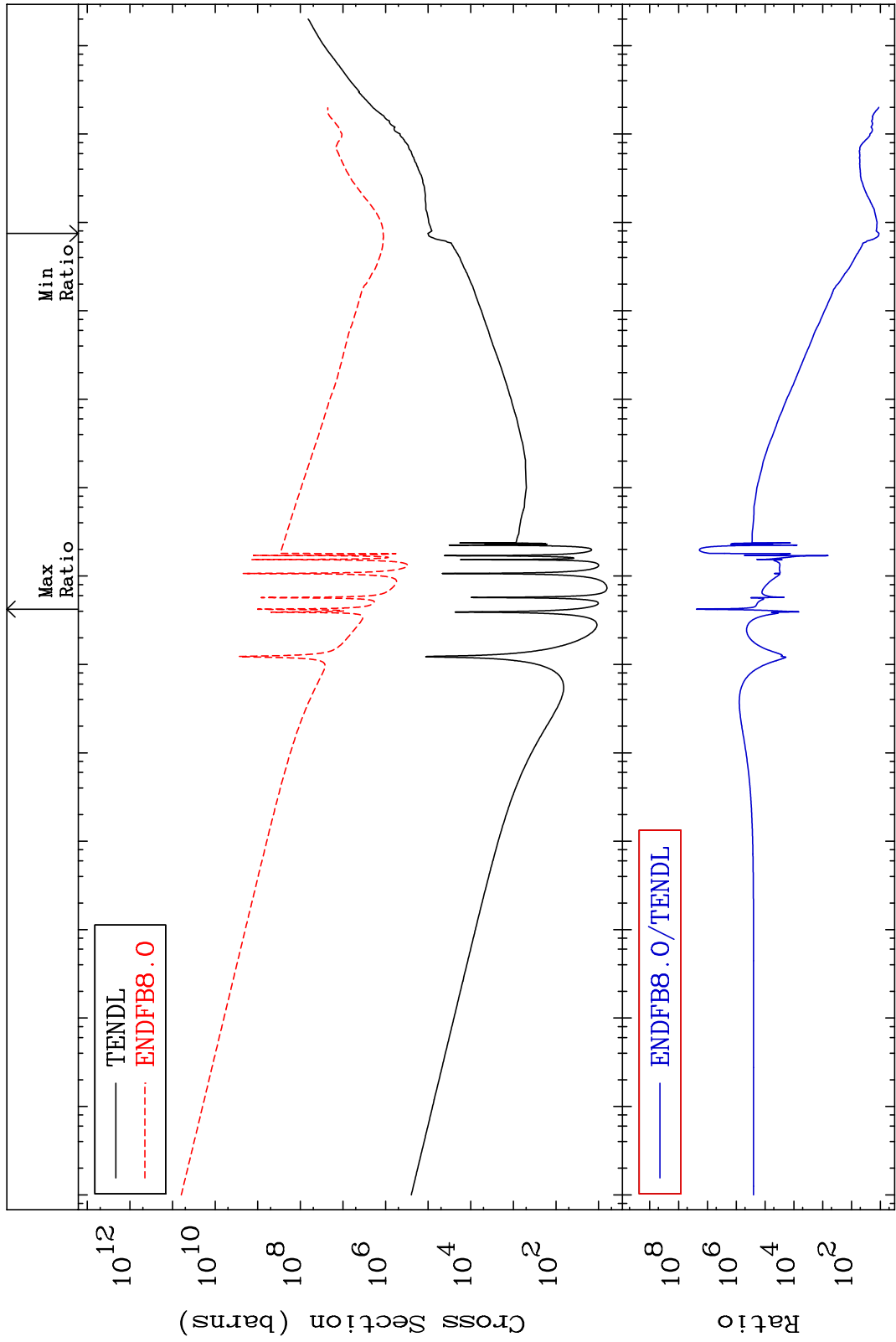
MAT 5528

He-4 Production
Cross Section

55-Cs-134
-100.0 To 328.3 %



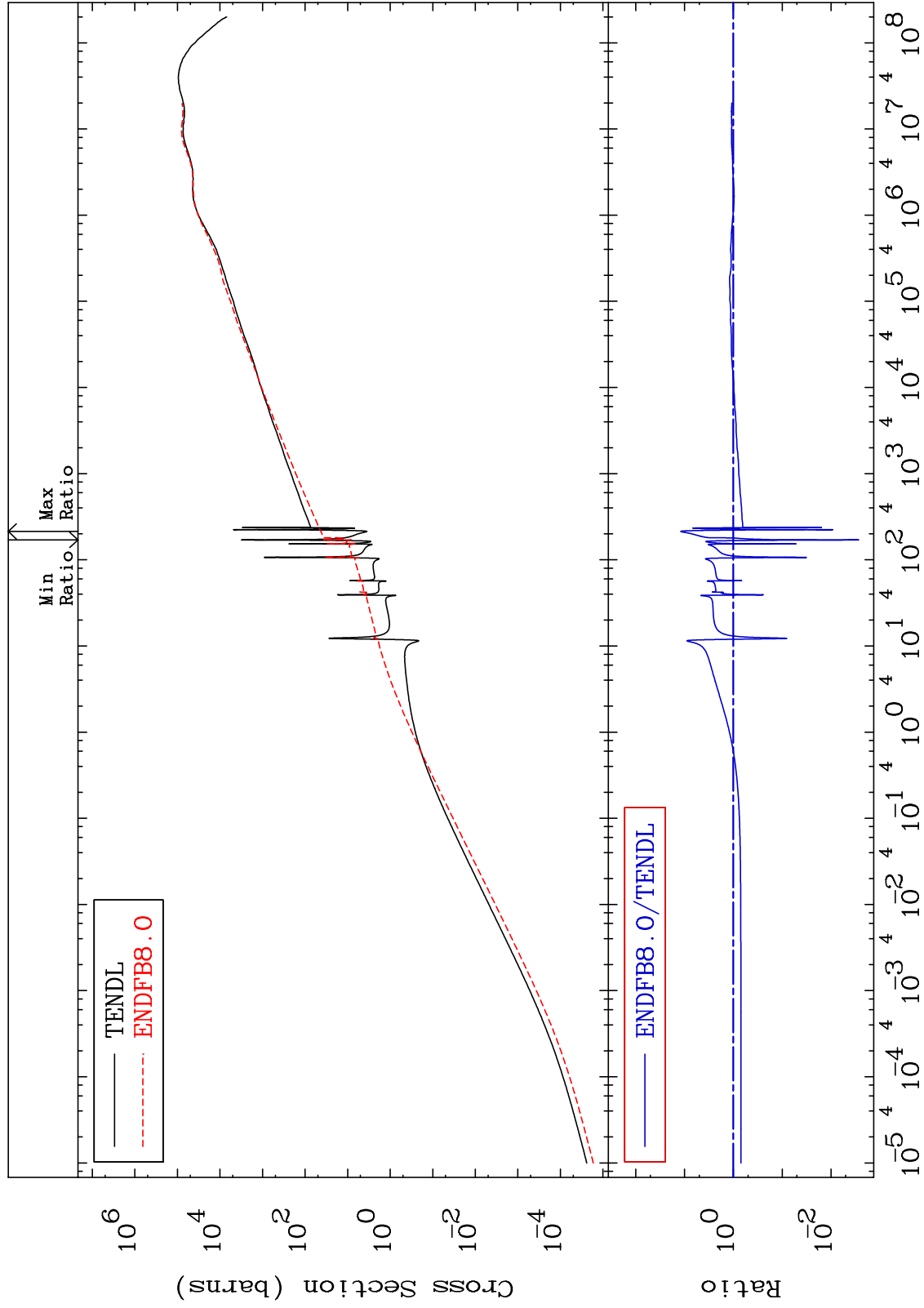
MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section 1016. To 9999. %



MAT 5528

Kerma elastic
Cross Section

55-Cs-134
-99.73 To 1112. %



52

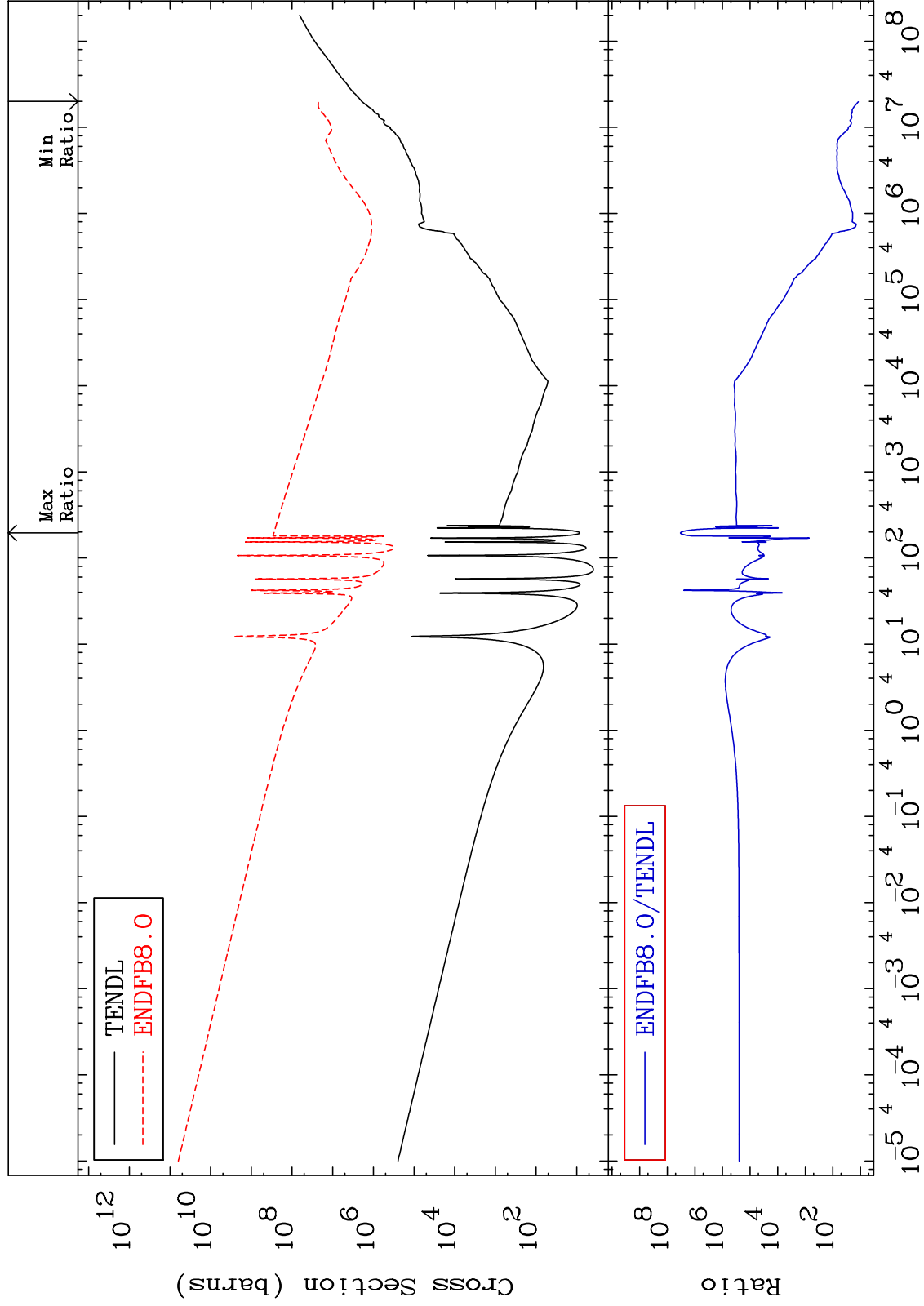
Incident Energy (eV)

55-Cs-134

MAT 5528

Kerma non-elastic (all but mt2)
Cross Section

55-Cs-134
1073. To 9999. %



53

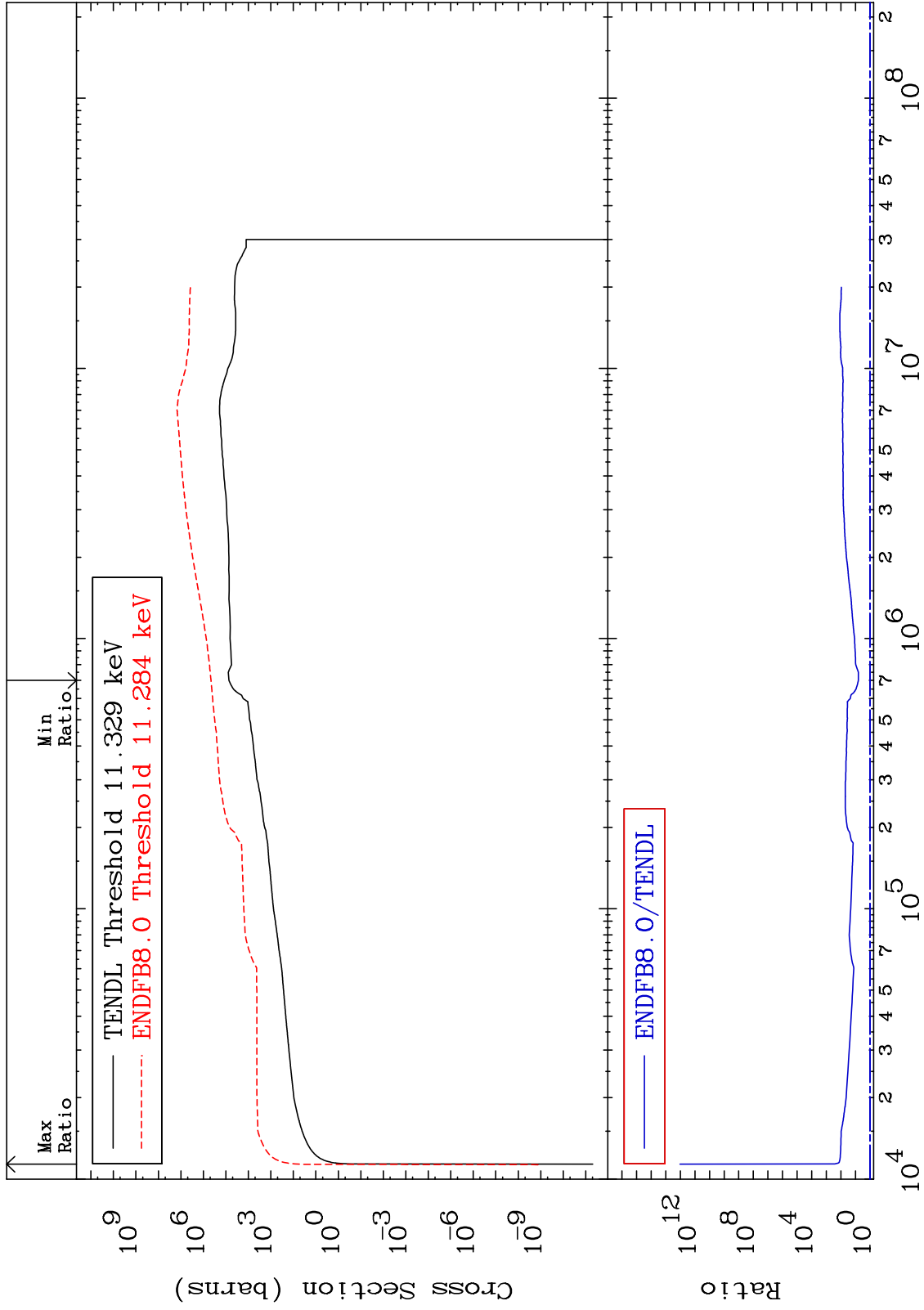
Incident Energy (eV)

55-Cs-134

MAT 5528

Kerma inelastic (mt51-91)
Cross Section

55-Cs-134
524.4 To 9999. %



54

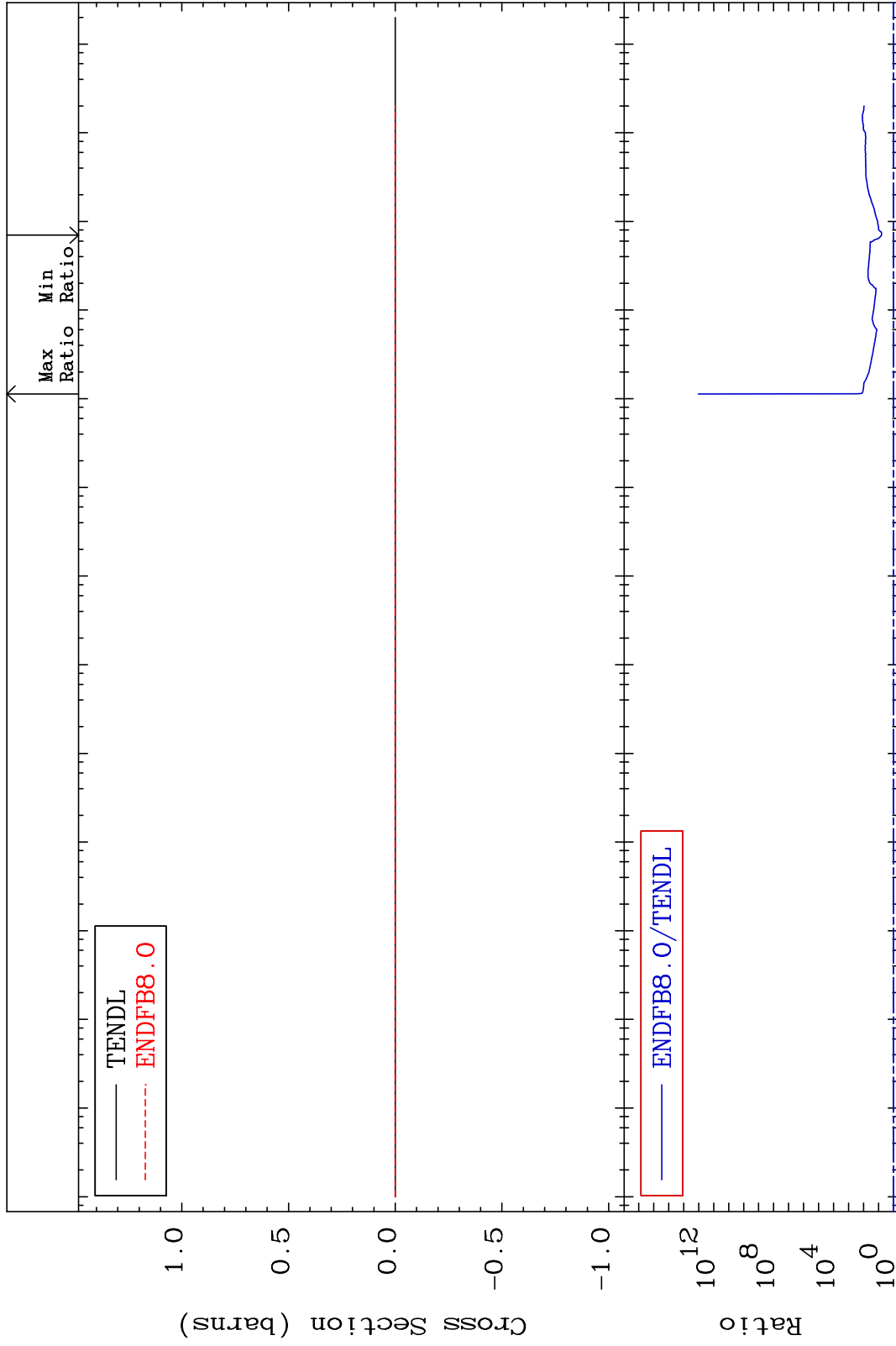
Incident Energy (eV)

55-Cs-134

MAT 5528

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

55-Cs-134
524.4 To 9999. %



55

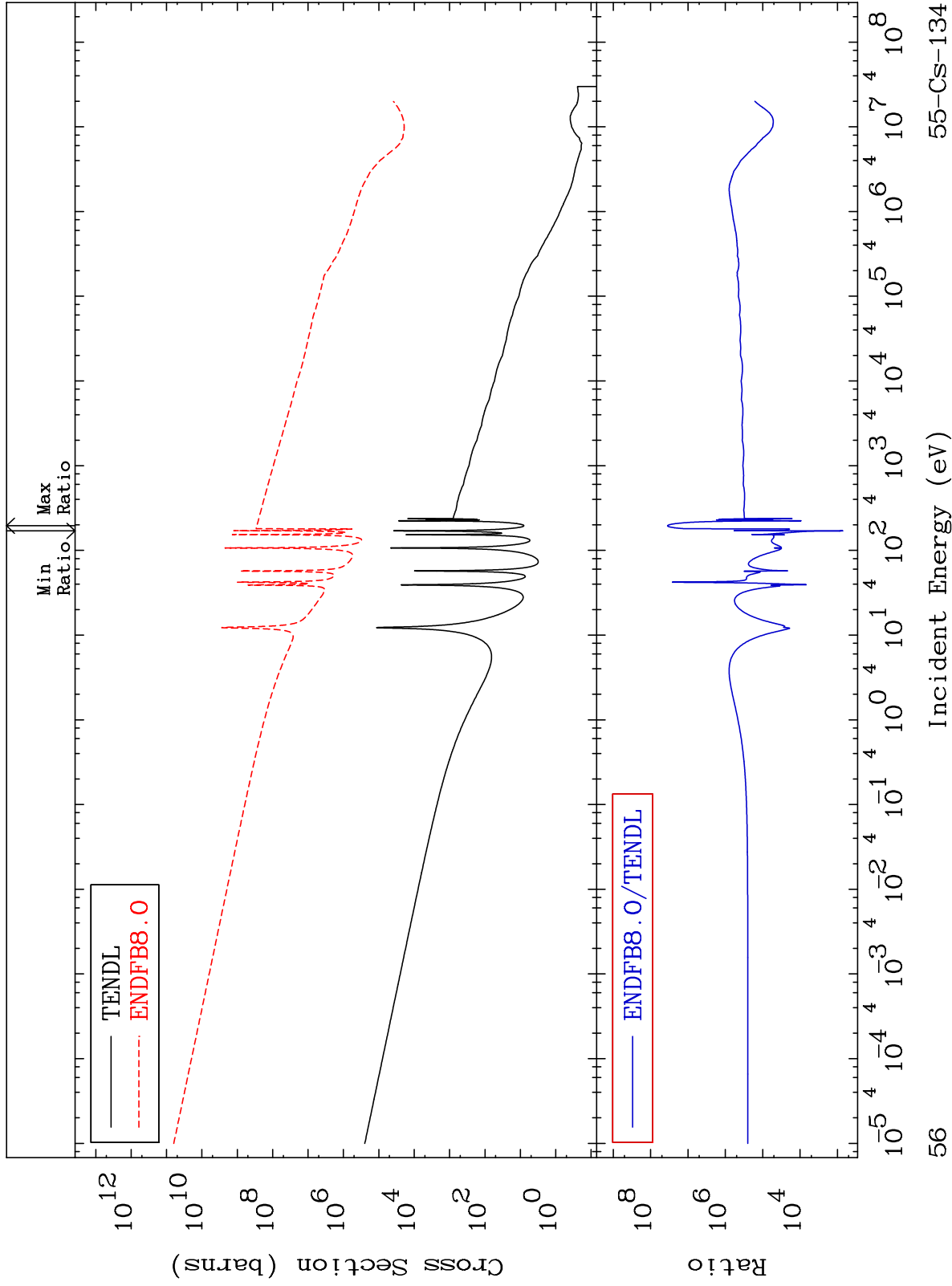
Incident Energy (eV)

55-Cs-134

MAT 5528

Kerma capture (mt102)
Cross Section

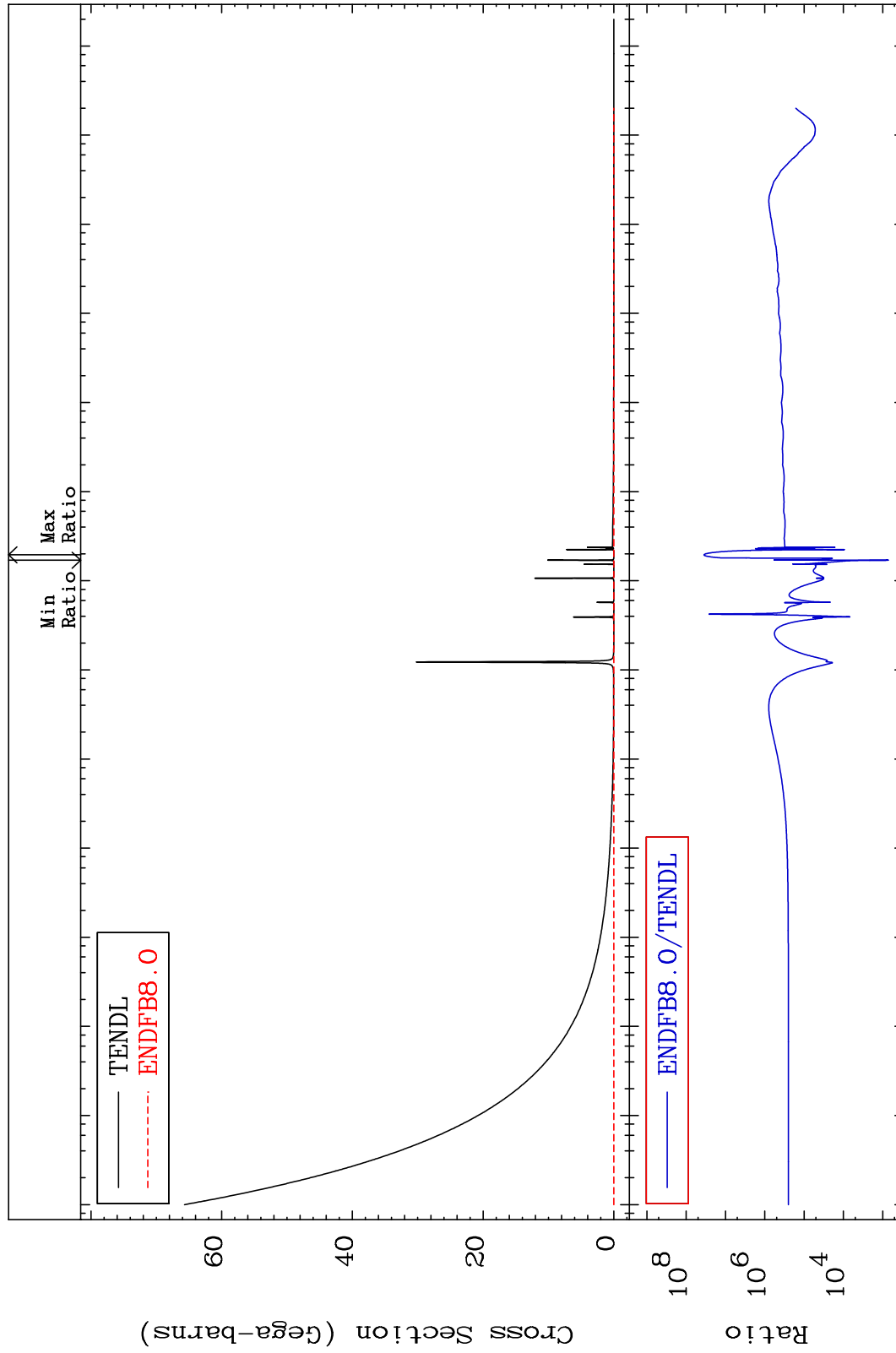
55-Cs-134
9999. To 9999. %



MAT 5528

Total photon (eV-barns)
Cross Section

55-Cs-134
9999. To 9999. %



57

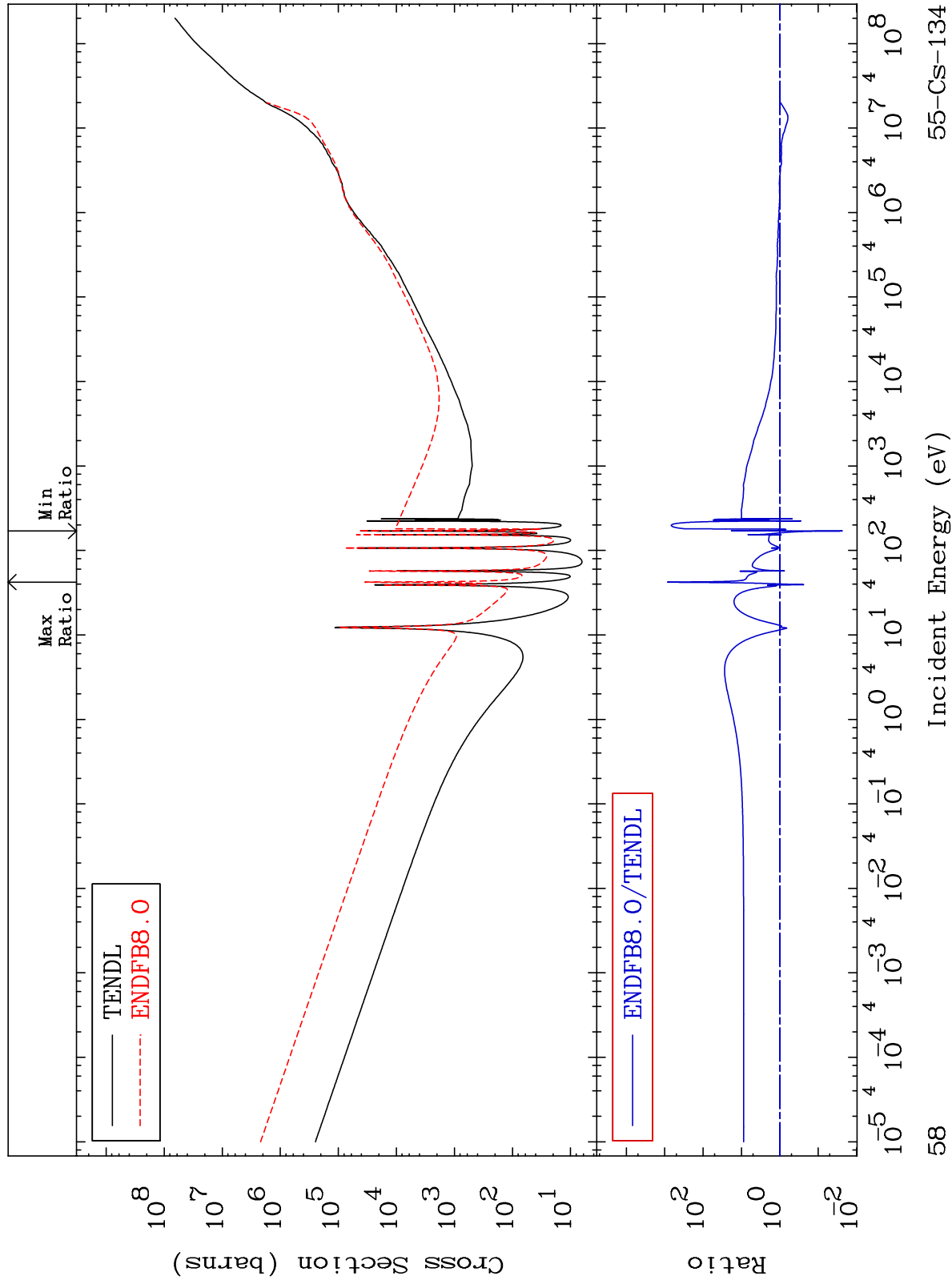
Incident Energy (eV)

55-Cs-134

MAT 5528

Total kinematic kerma (high limit)
Cross Section

55-Cs-134
-97.61 To 9999. %



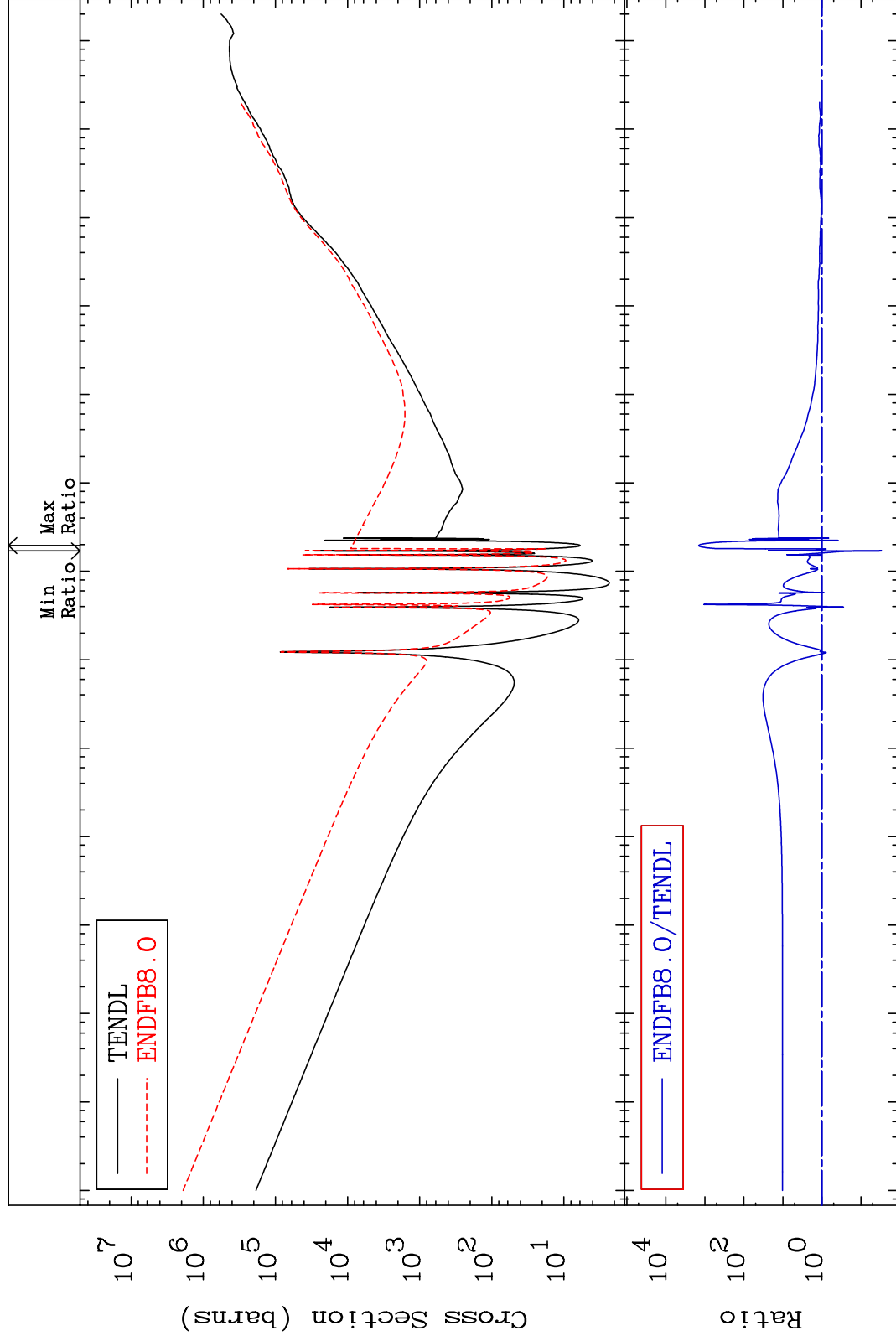
MAT 5528

Dpa total (eV-barns)

55-Cs-134

-97.04 To 9999. %

Cross Section



59

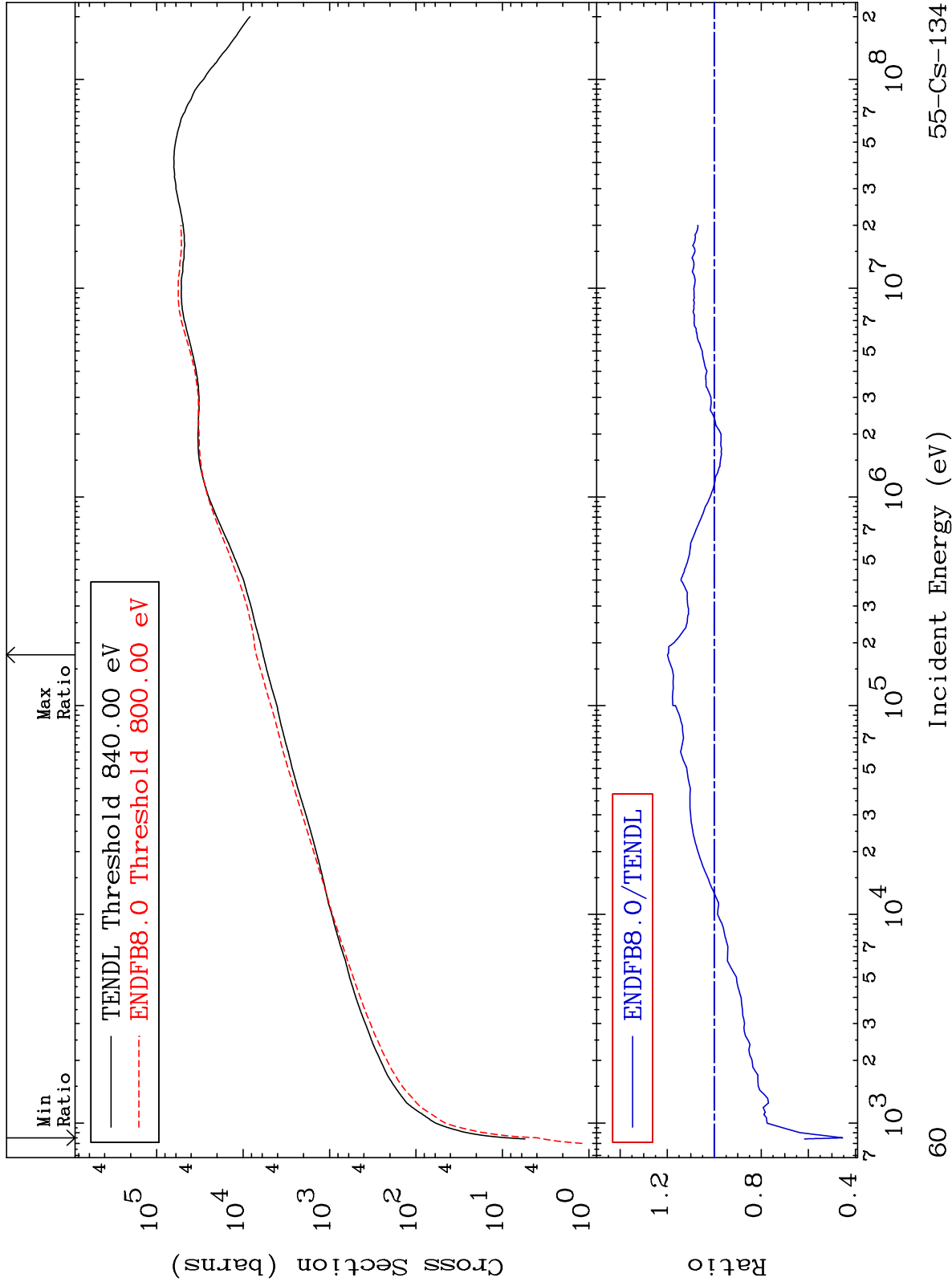
Incident Energy (eV)

55-Cs-134

MAT 5528

Dpa elastic (mt2)
Cross Section

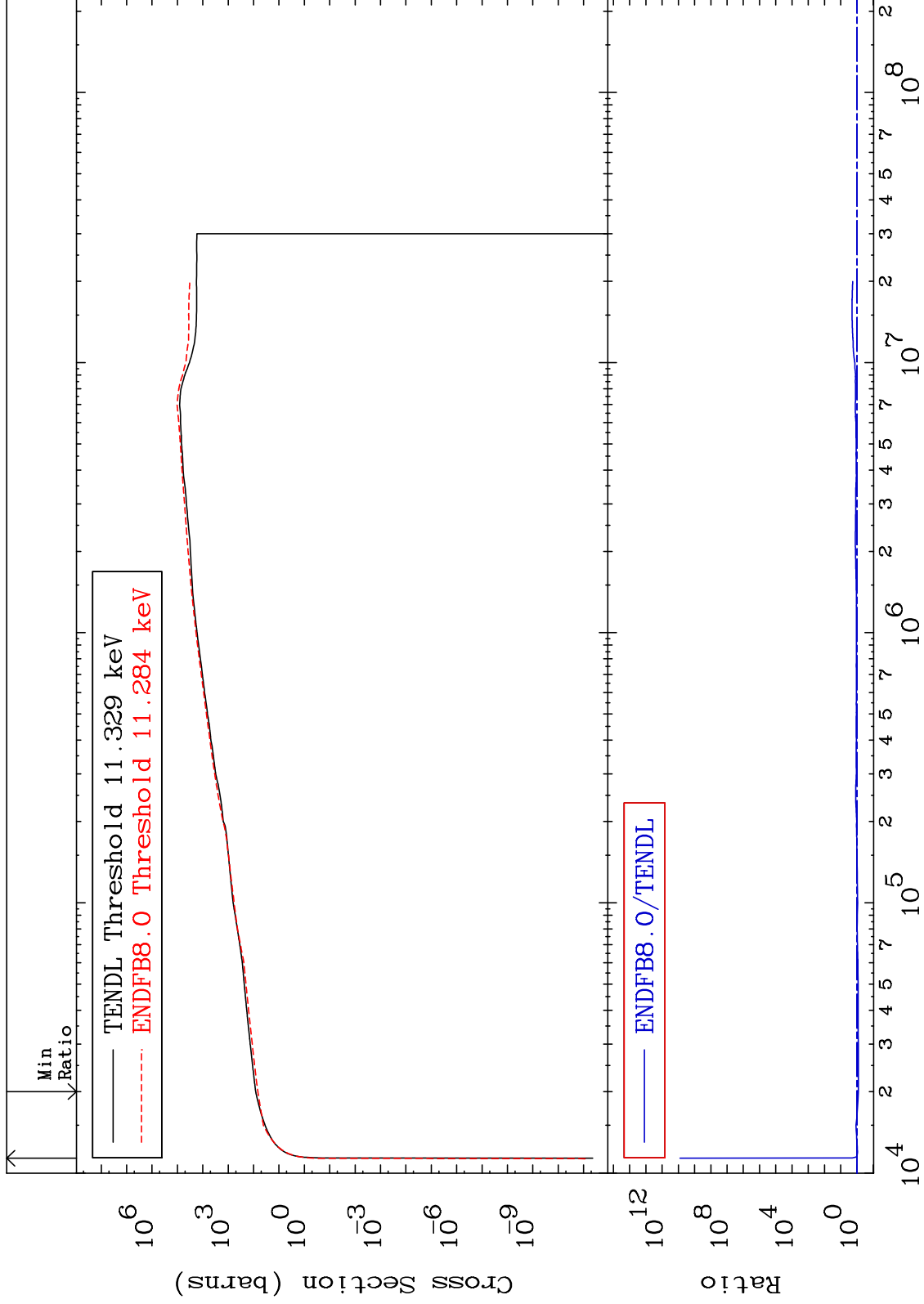
55-Cs-134
-54.56 To 19.86 %



MAT 5528

Dpa inelastic (mt51-91)
Cross Section

55-Cs-134
-18.34 To 9999. %



61

Incident Energy (eV)

55-Cs-134

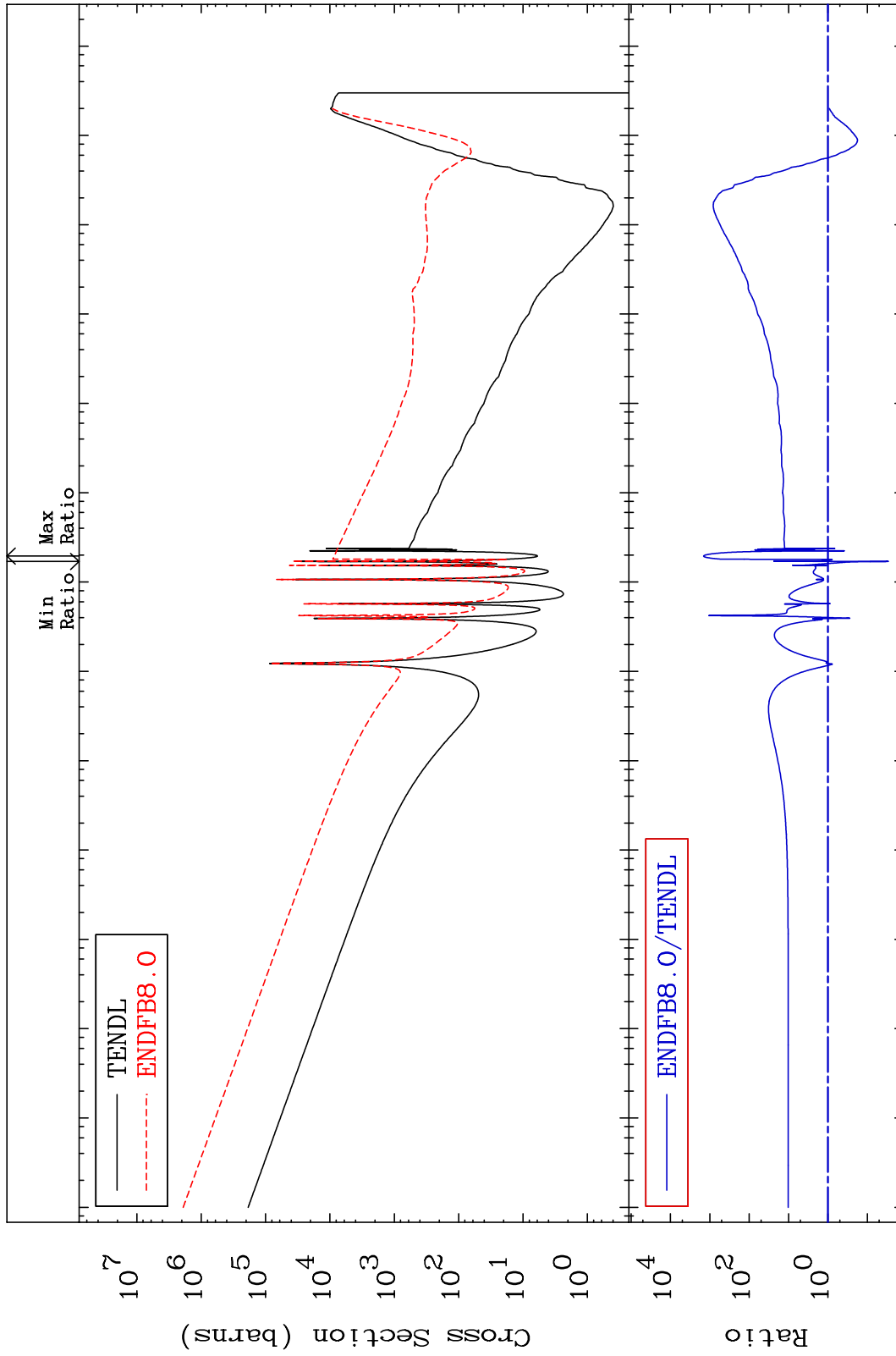
MAT 5528

Dpa disappearance (mt102 -120)

55-Cs-134

-97.04 To 9999. %

Cross Section



Incident Energy (eV)

55-Cs-134