

Program Complot
(Version 2021-1)

by

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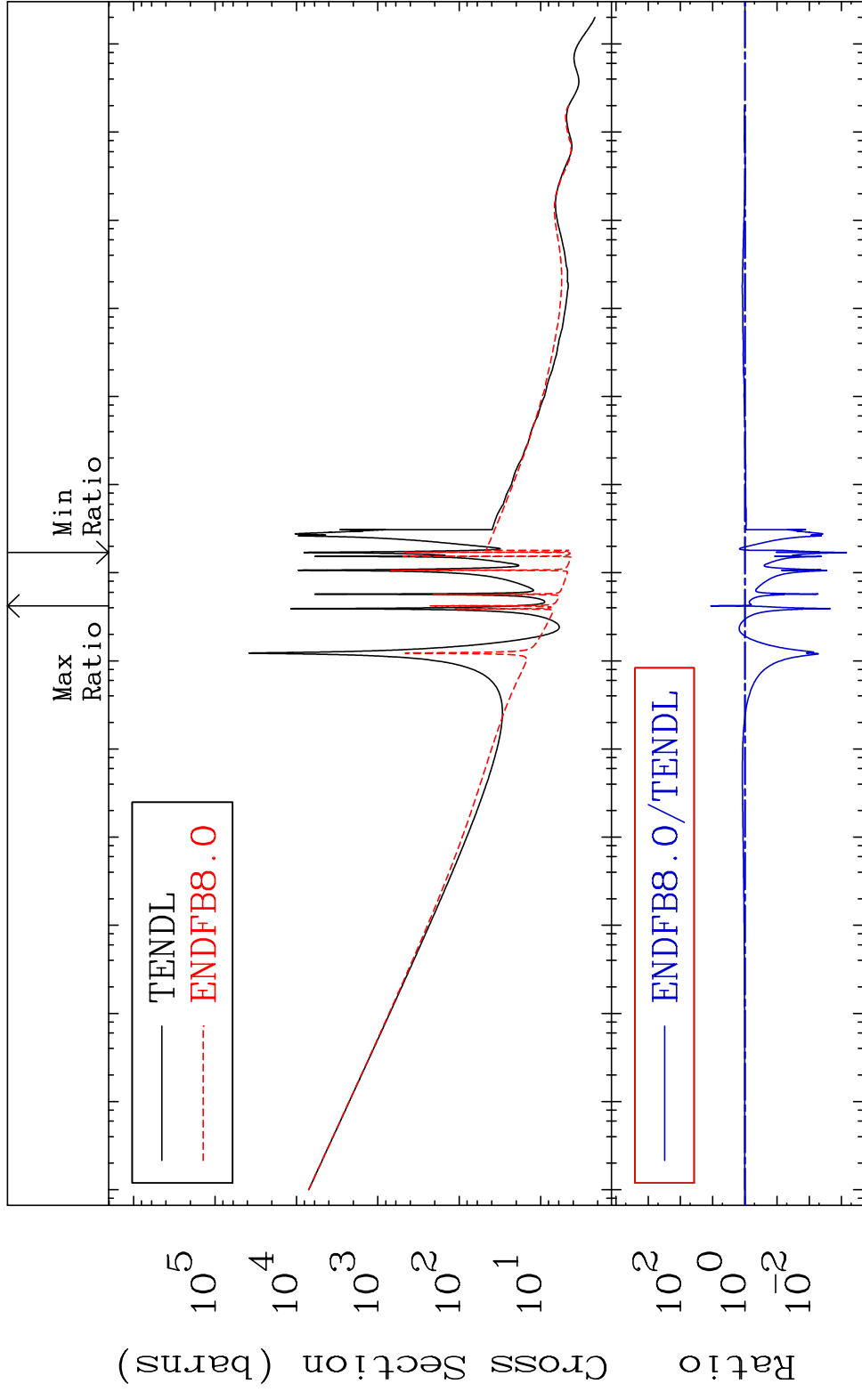
Press Mouse Button to Start

MAT 5528

55-Cs-134

Total

Cross Section -99.93 To 1047. %



Ratio

10⁵

10⁴

10³

10²

10¹

10⁰

10⁻¹

10⁻²

10⁻³

10⁻⁴

10⁻⁵

10⁻²

10⁰

10²

10⁴

10⁶

10⁸

1

Incident Energy (eV)

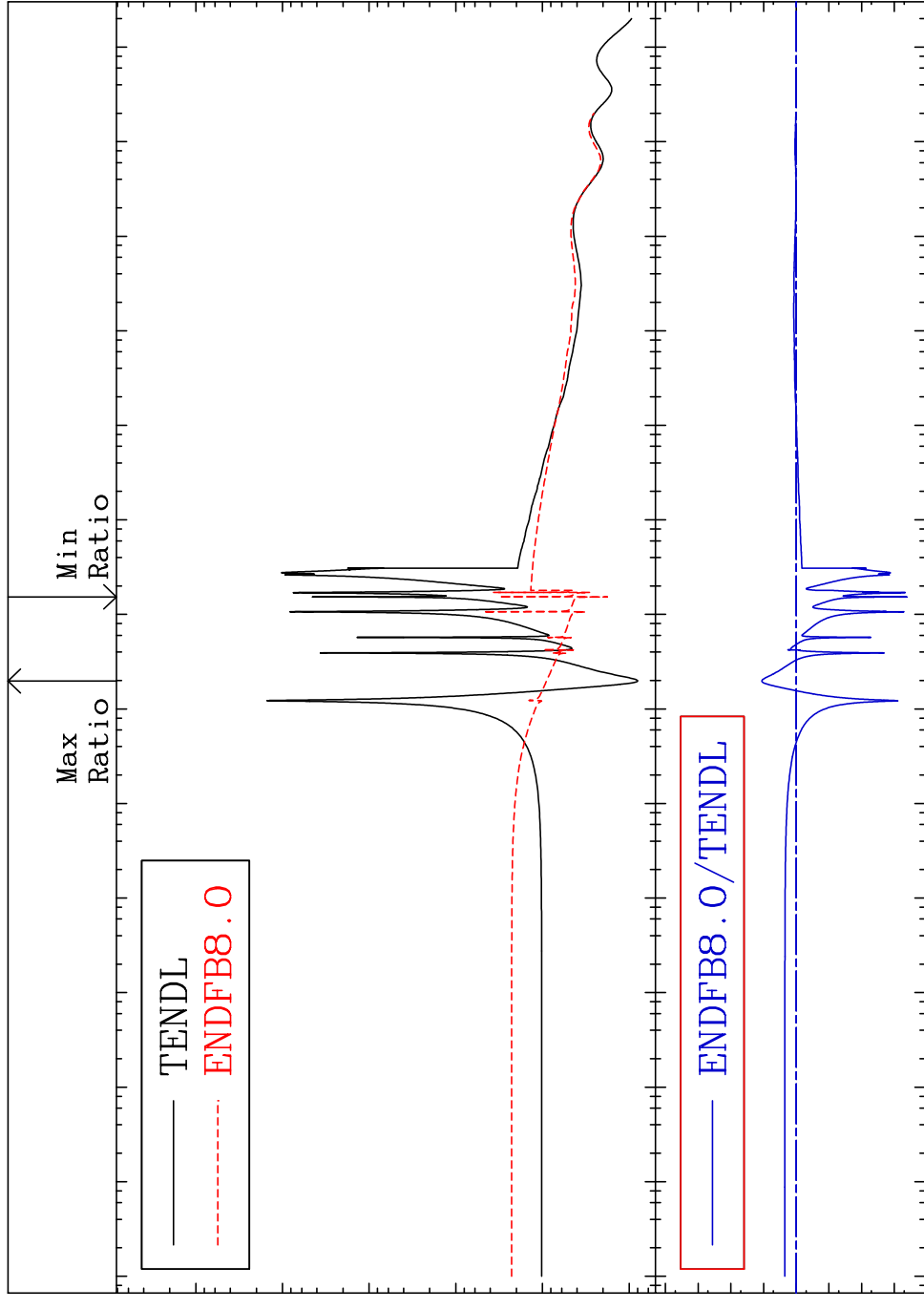
55-Cs-134

MAT 5528

Elastic

55-Cs-134

Cross Section -99.96 To 1028. %



Cross Section (barns)
Ratio

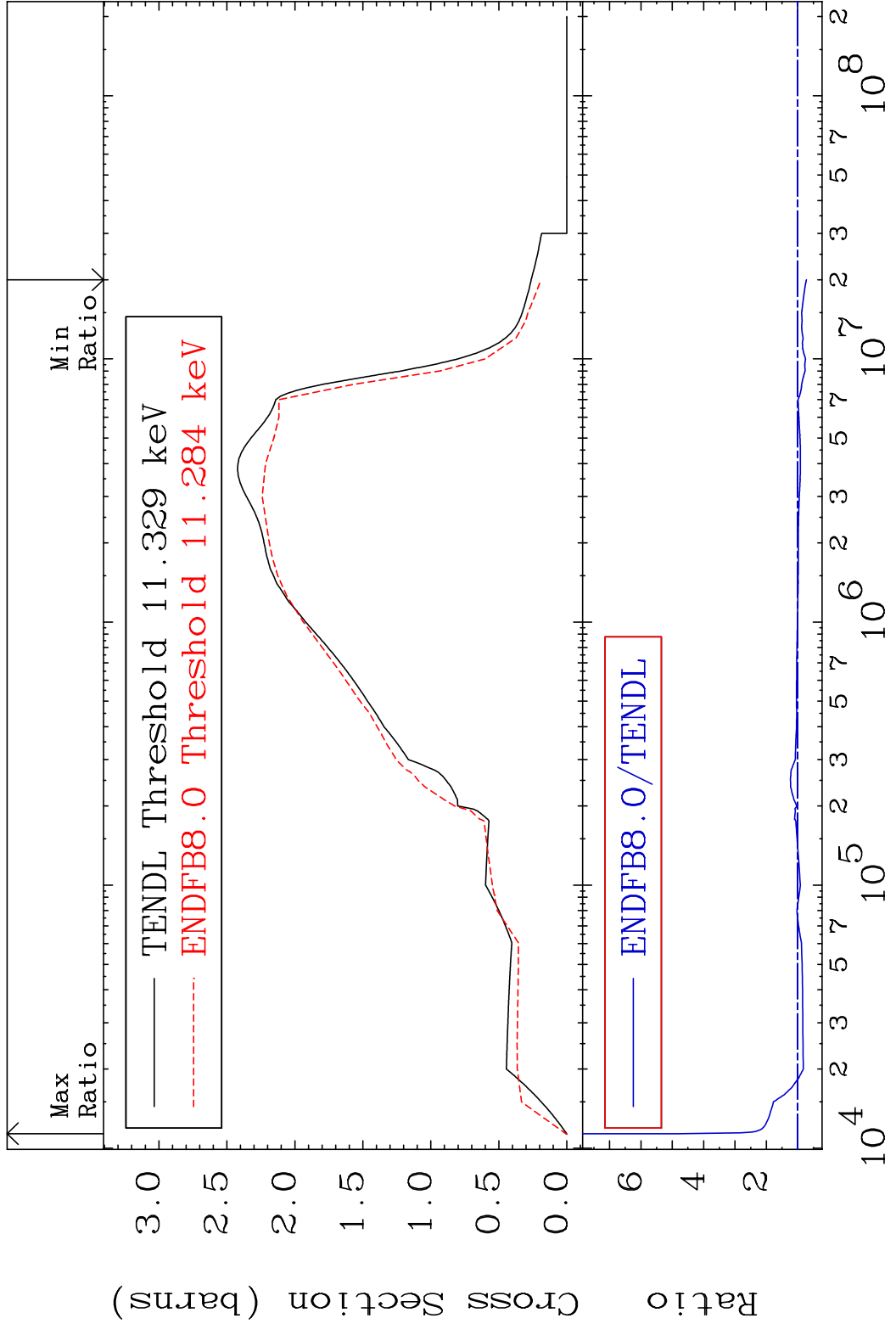
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻²
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

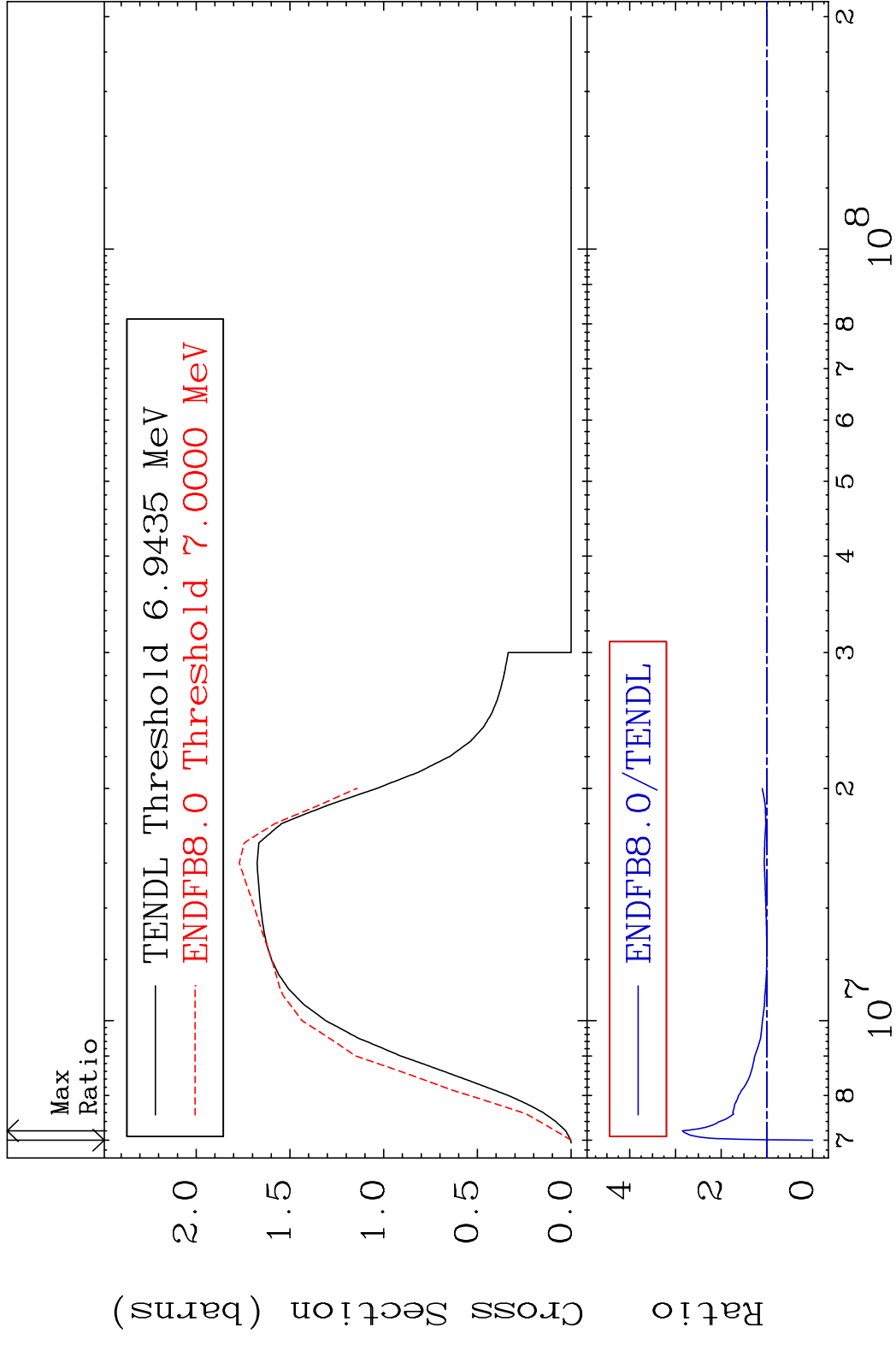
55-Cs-134

MAT 5528 Inelastic 55-Cs-134
 Cross Section -27.68 To 384.4 %



3 Incident Energy (eV) 55-Cs-134

MAT 5528 (n,2n) 55-Cs-134
 Cross Section -100.0 To 184.9 %



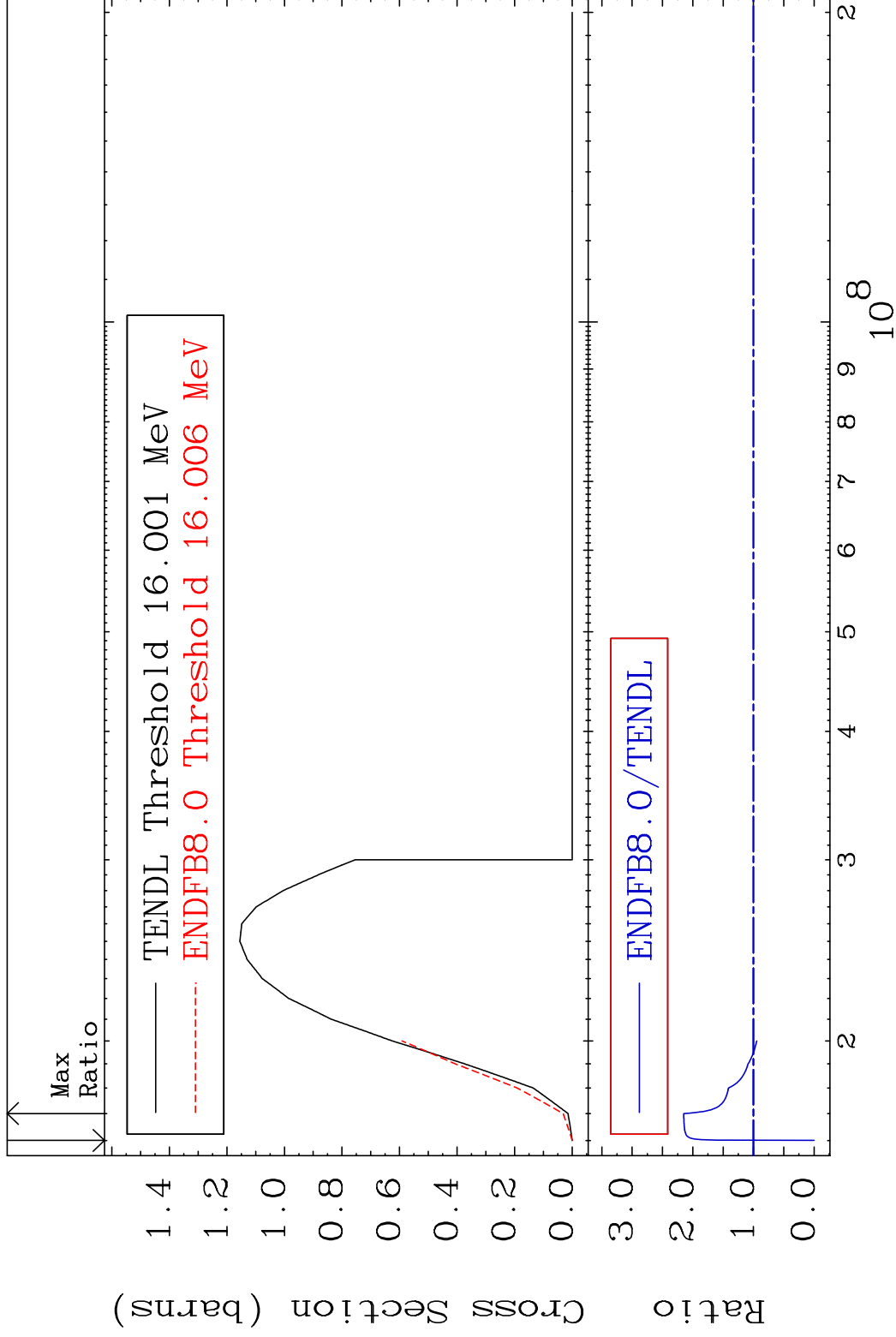
4 Incident Energy (eV) 55-Cs-134

MAT 5528

(n,3n)

55-Cs-134

Cross Section -100.0 To 115.1 %

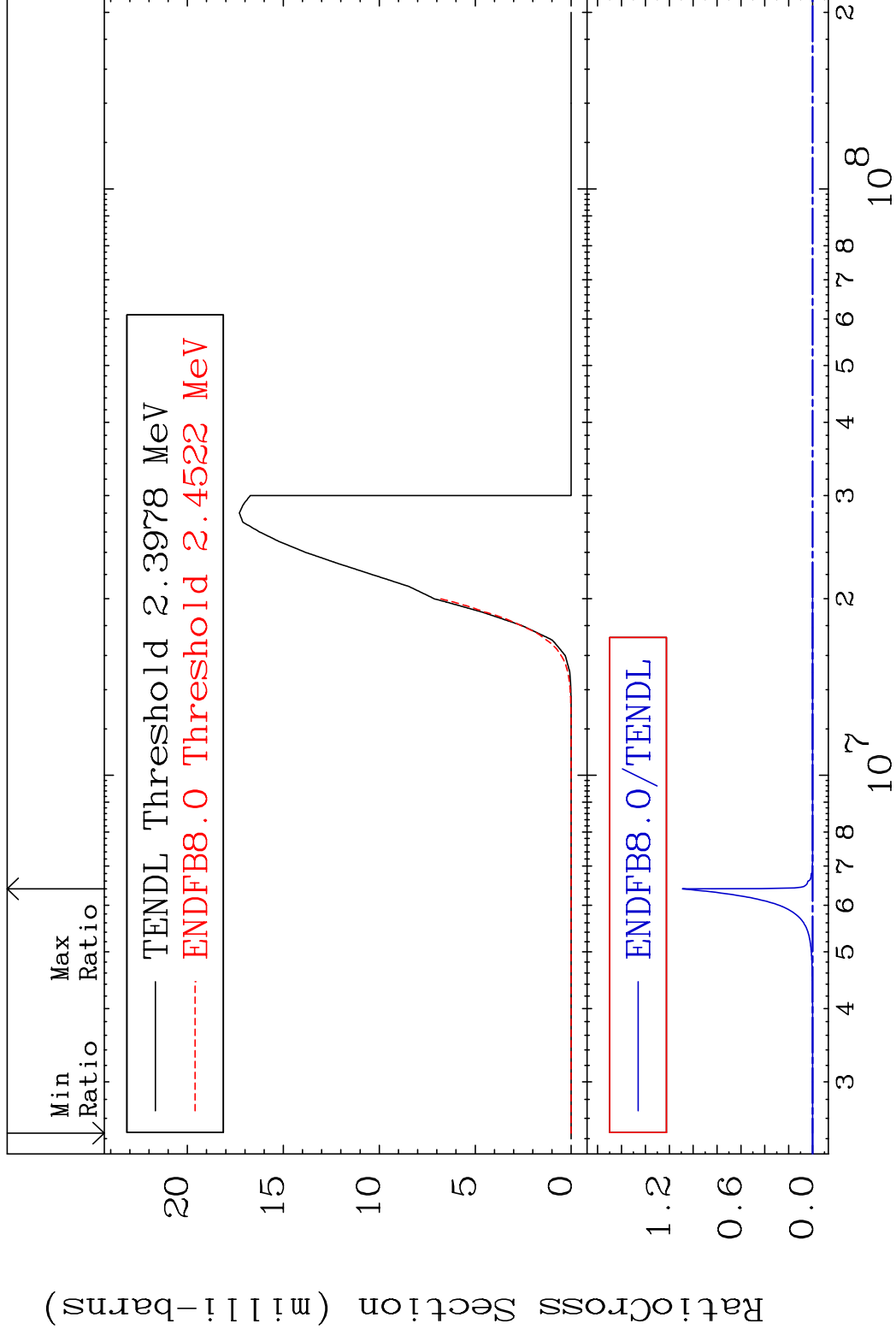


MAT 5528

(n, n') α

55-Cs-134

Cross Section -100.0 To 9999. %



6

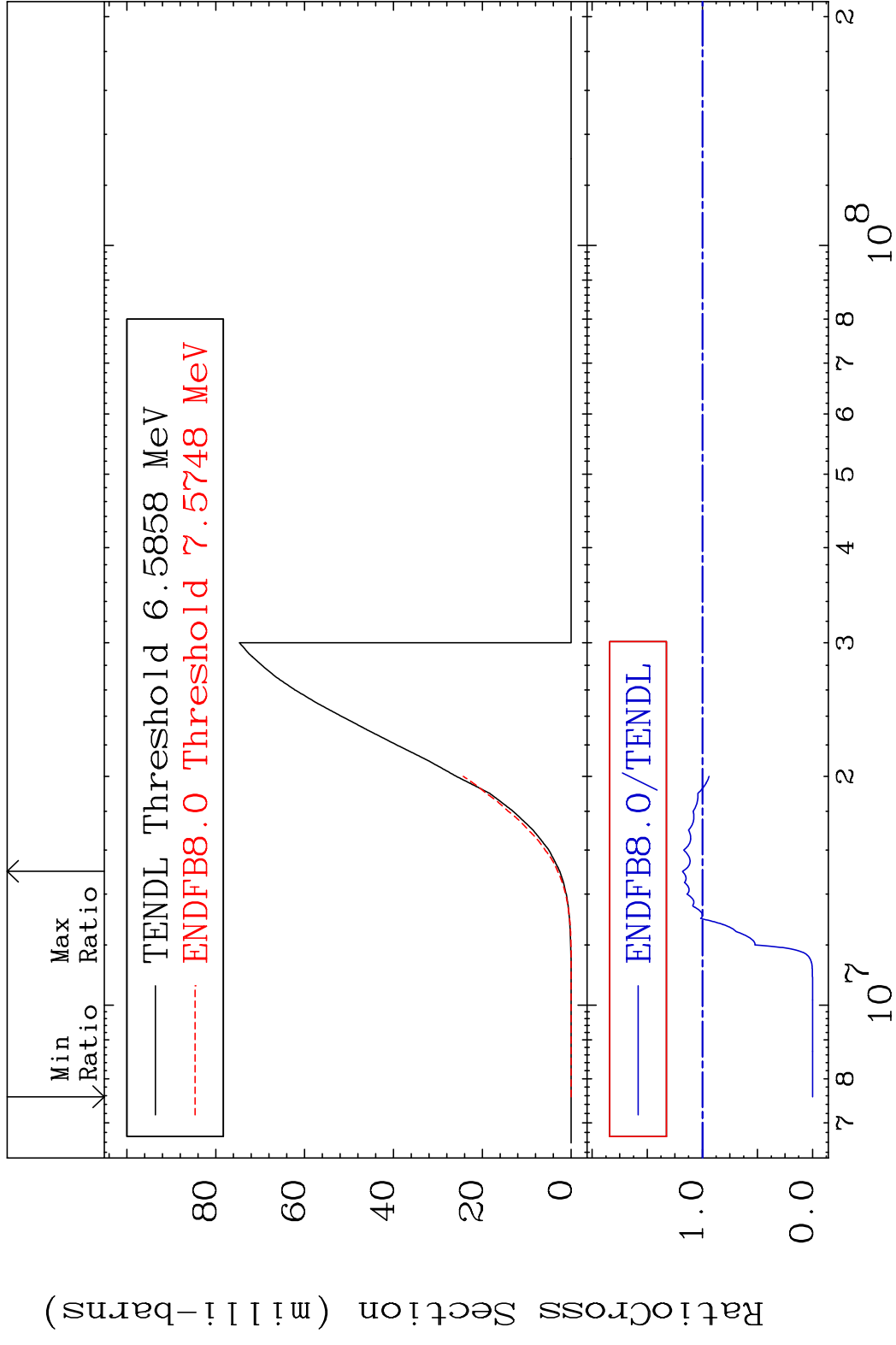
Incident Energy (eV)

55-Cs-134

MAT 5528

(n, n') p 55-Cs-134

Cross Section -100.0 To 18.15 %



7

Incident Energy (eV)

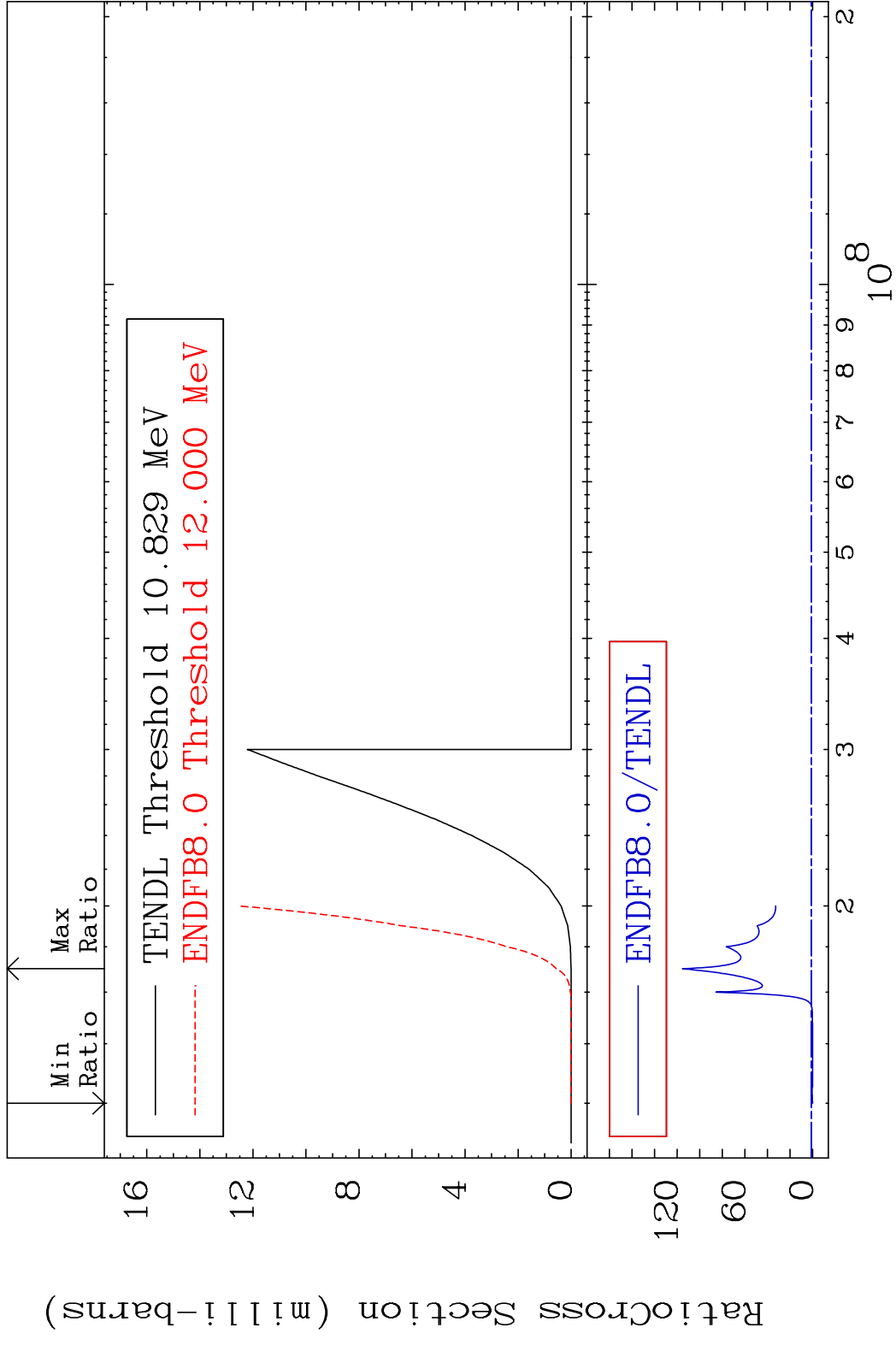
55-Cs-134

MAT 5528

(n, n') d

55-Cs-134

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

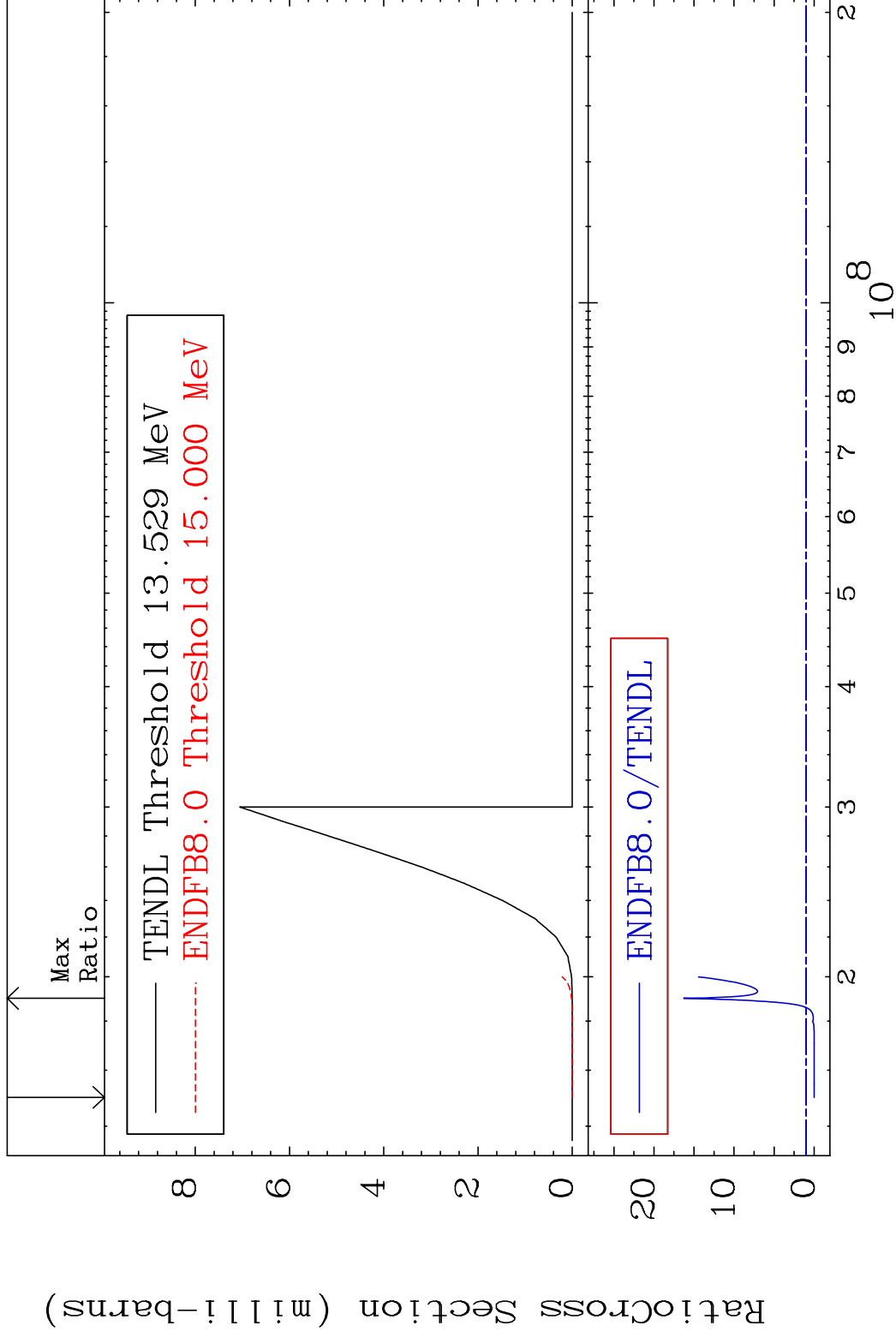
55-Cs-134

MAT 5528

(n, n') t

55-Cs-134

Cross Section -100.0 To 1529. %

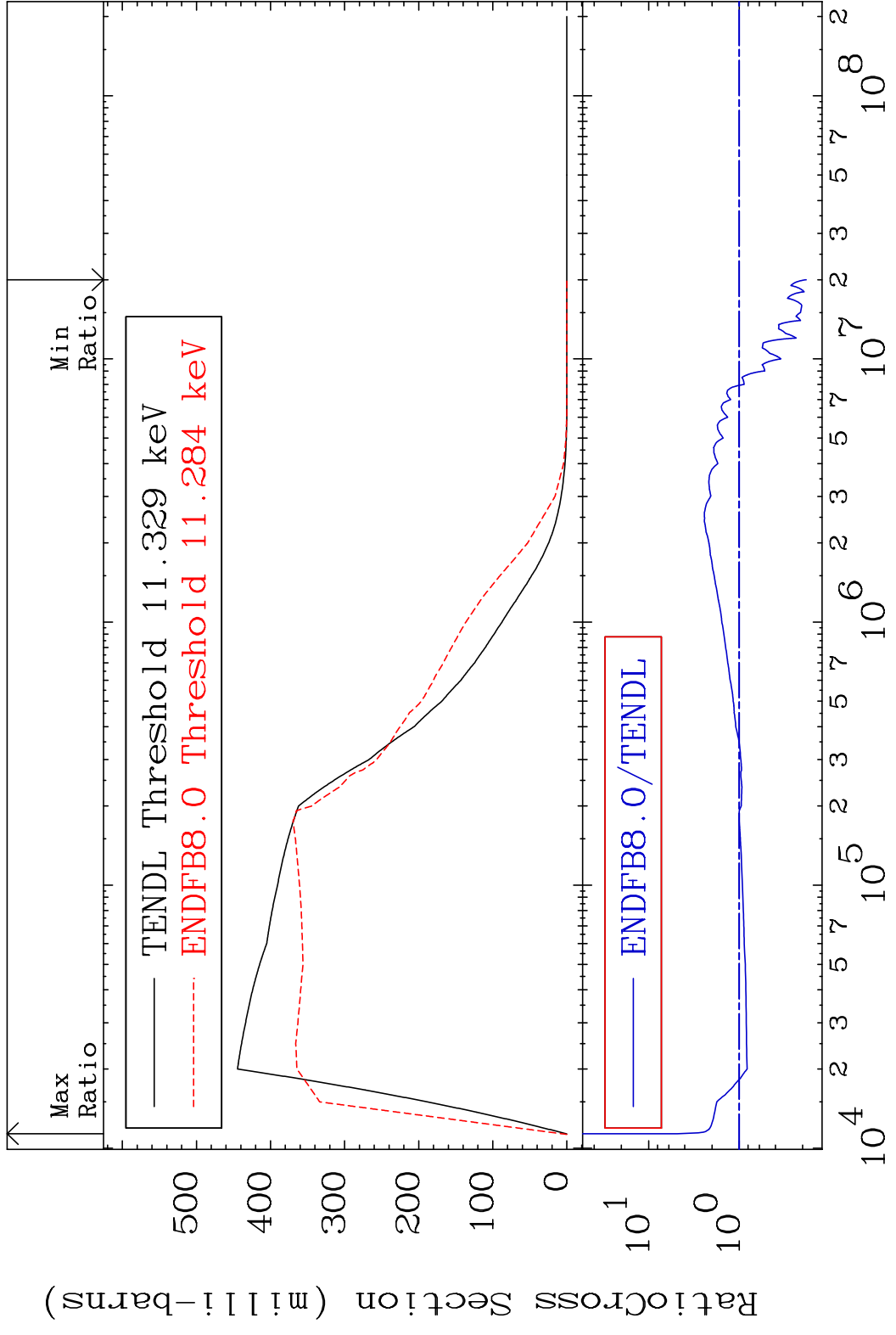


9

Incident Energy (eV)

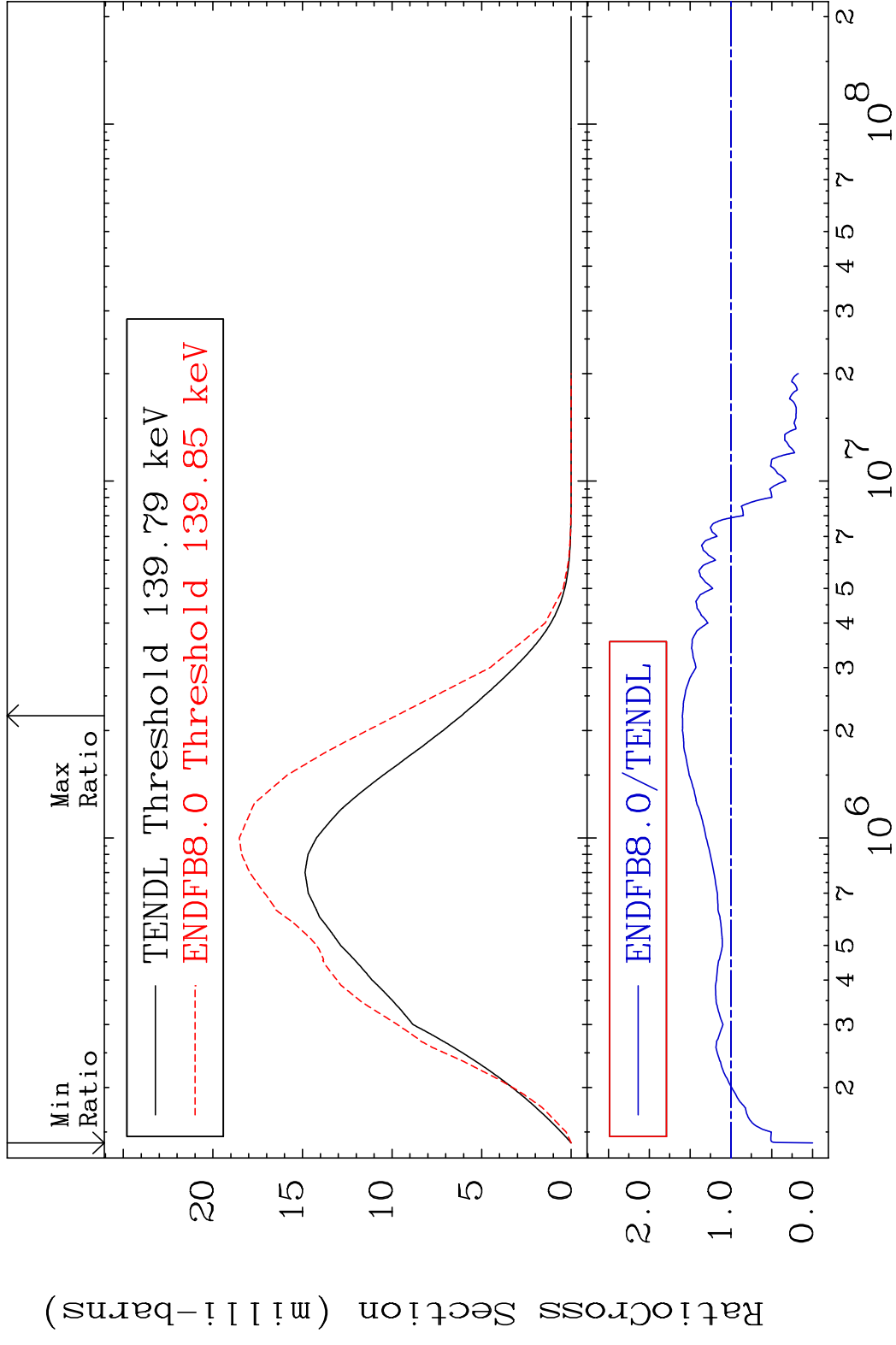
55-Cs-134

MAT 5528 MT= 51 (n,n') Level 55-Cs-134
 Cross Section -81.82 To 384.4 %

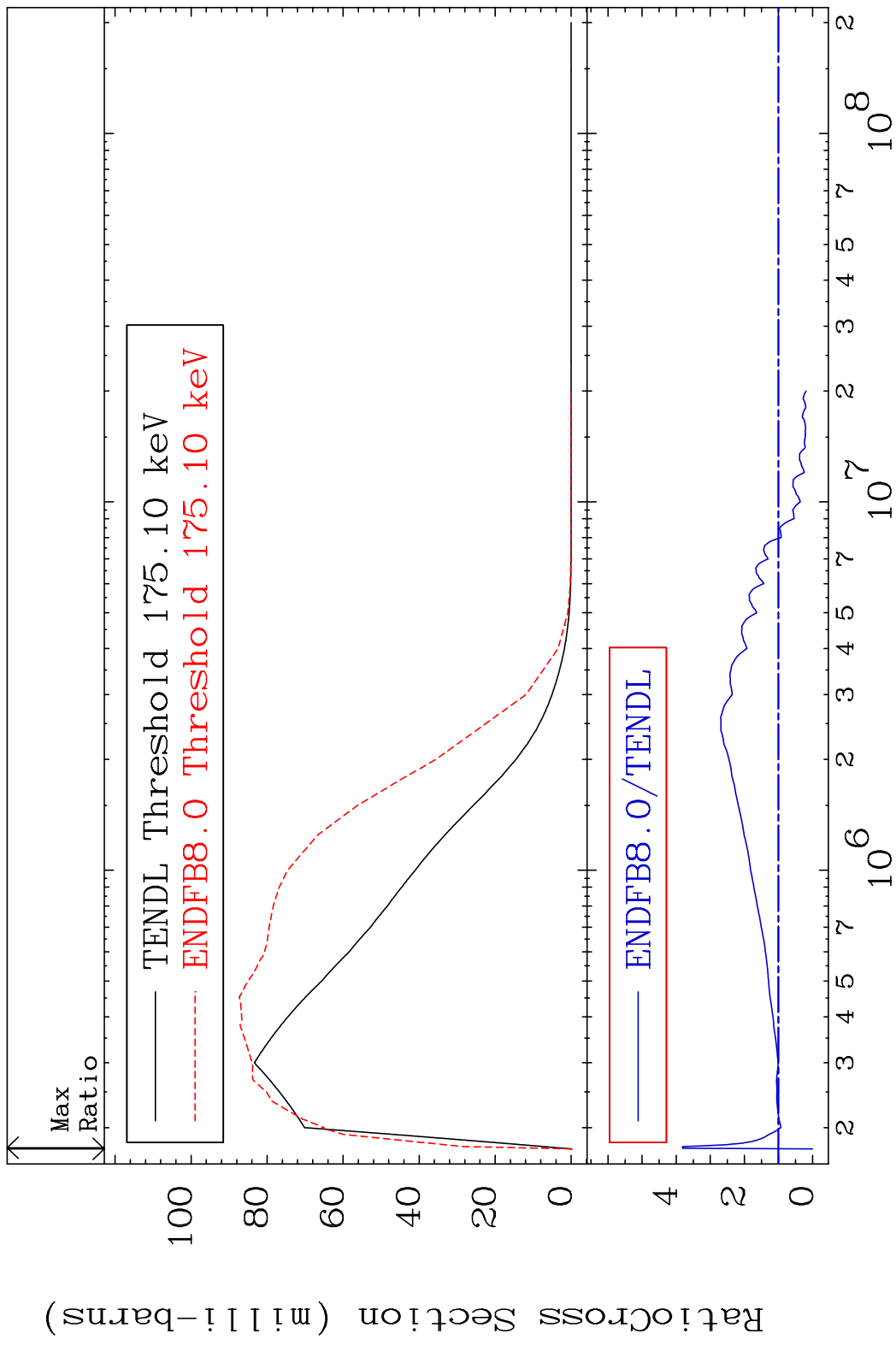


10 10 55-Cs-134

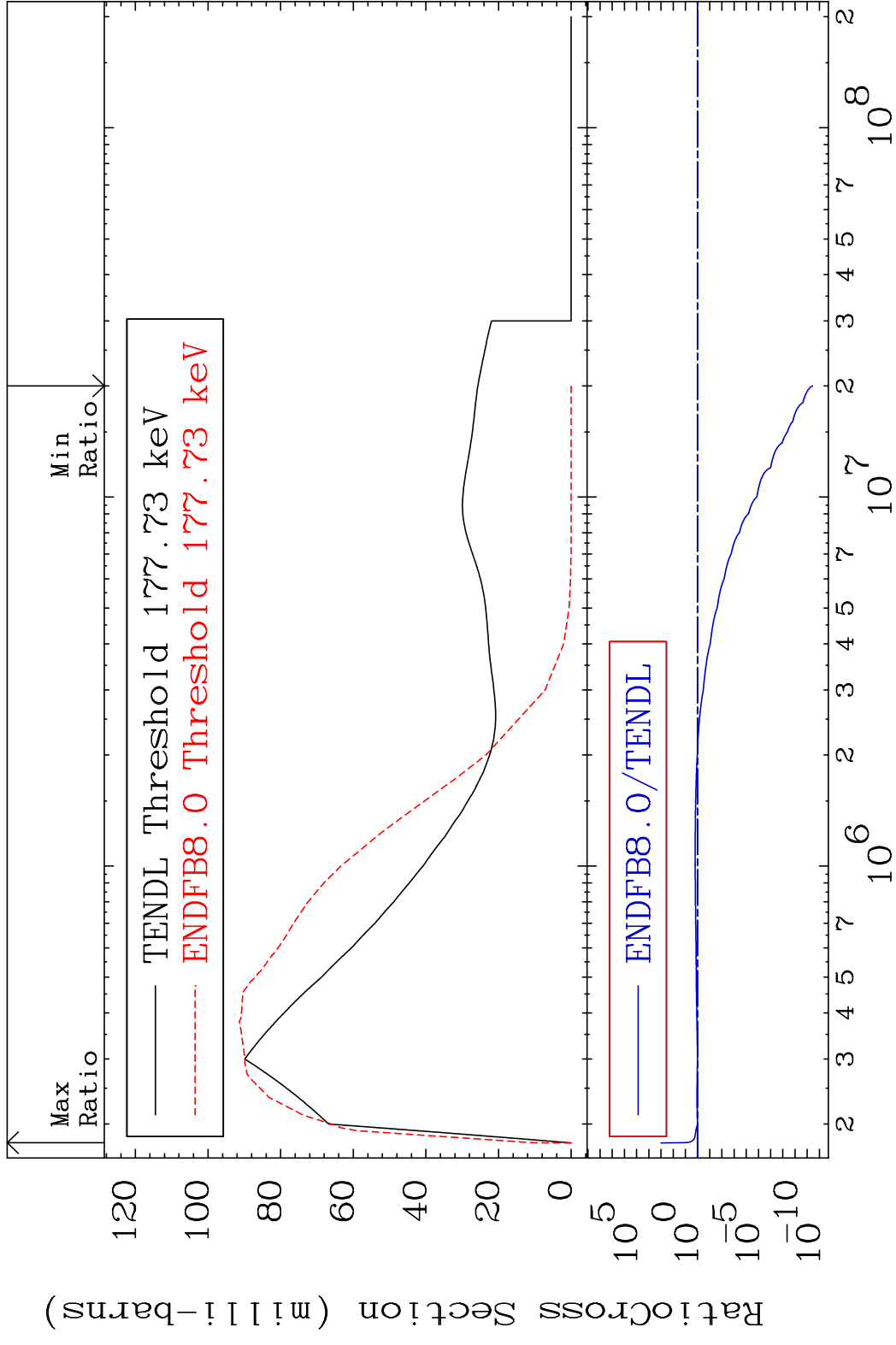
MAT 5528 MT= 53 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 59.48 %



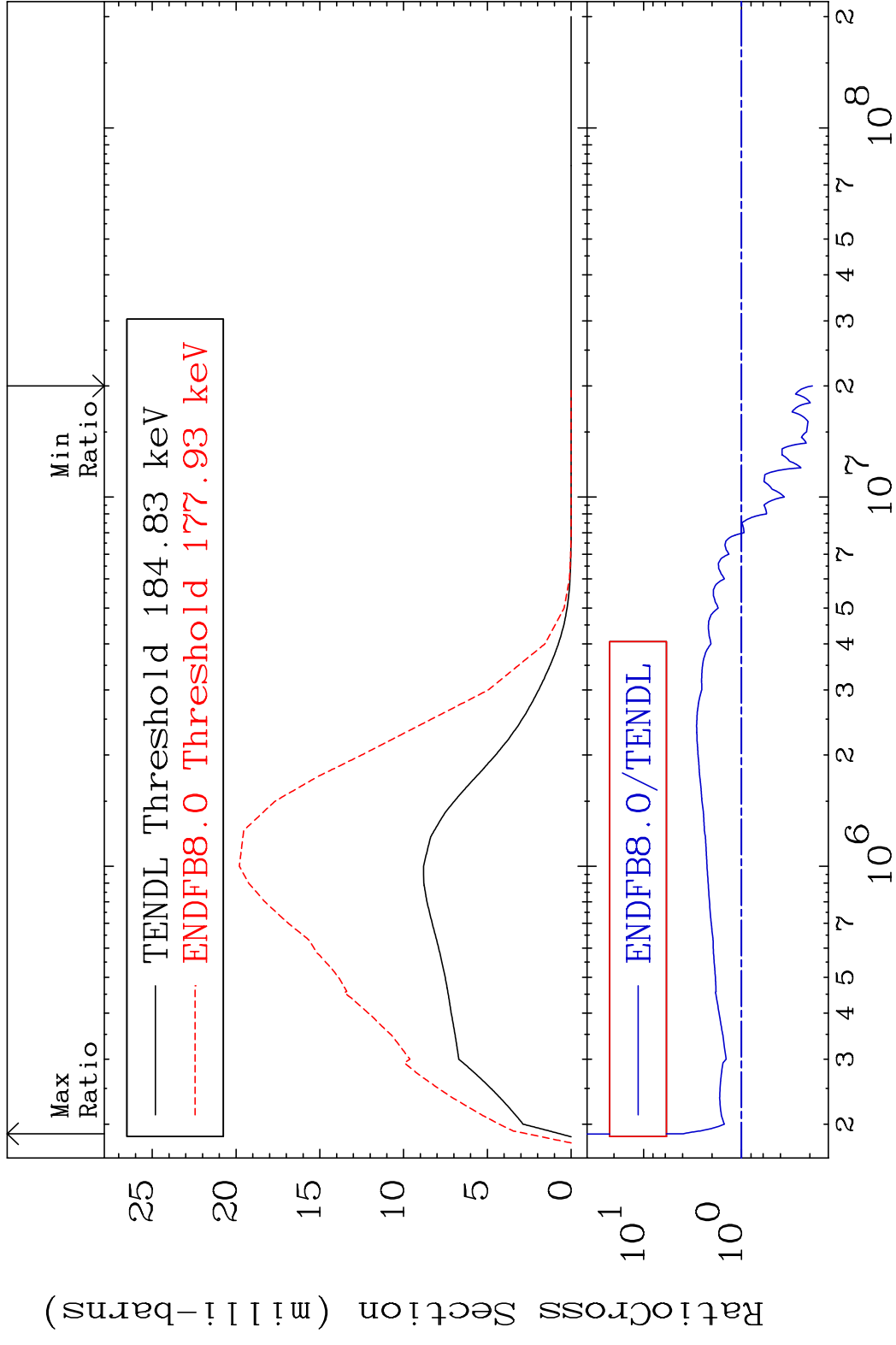
MAT 5528 MT= 54 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 282.0 %



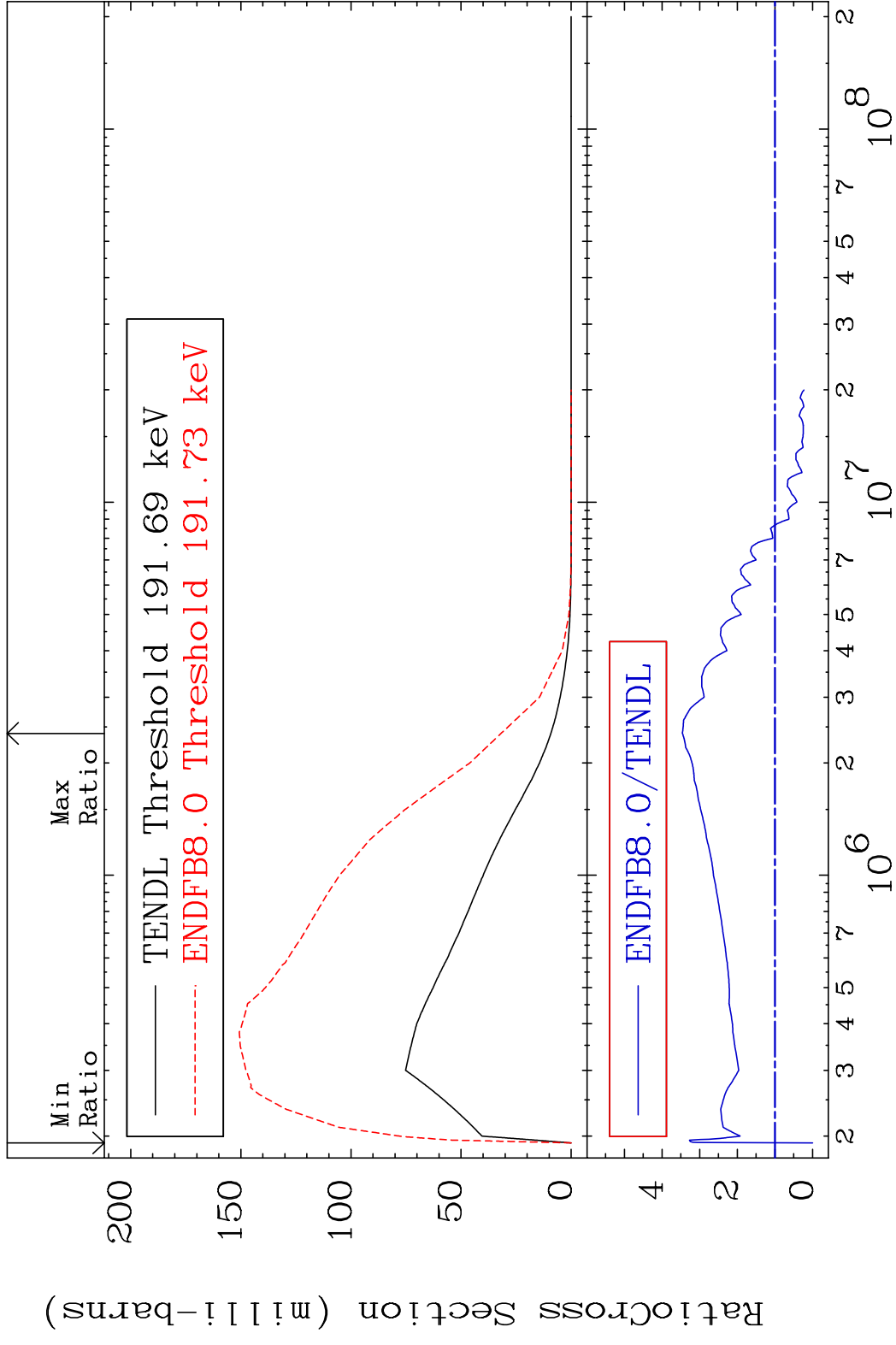
MAT 5528 MT= 55 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 1660. %



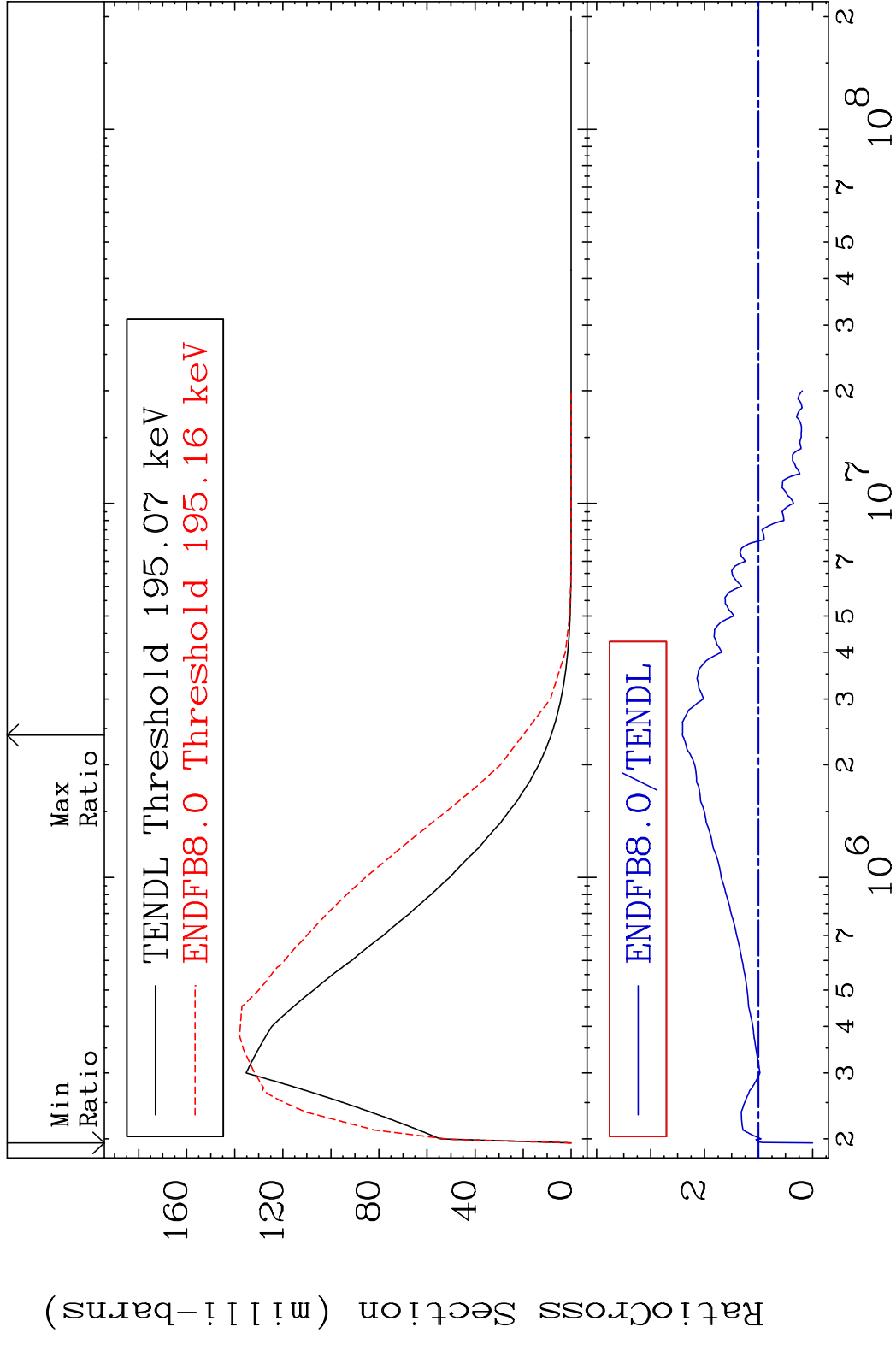
MAT 5528 MT= 56 (n,n') Level 55-Cs-134
 Cross Section -81.22 To 301.5 %



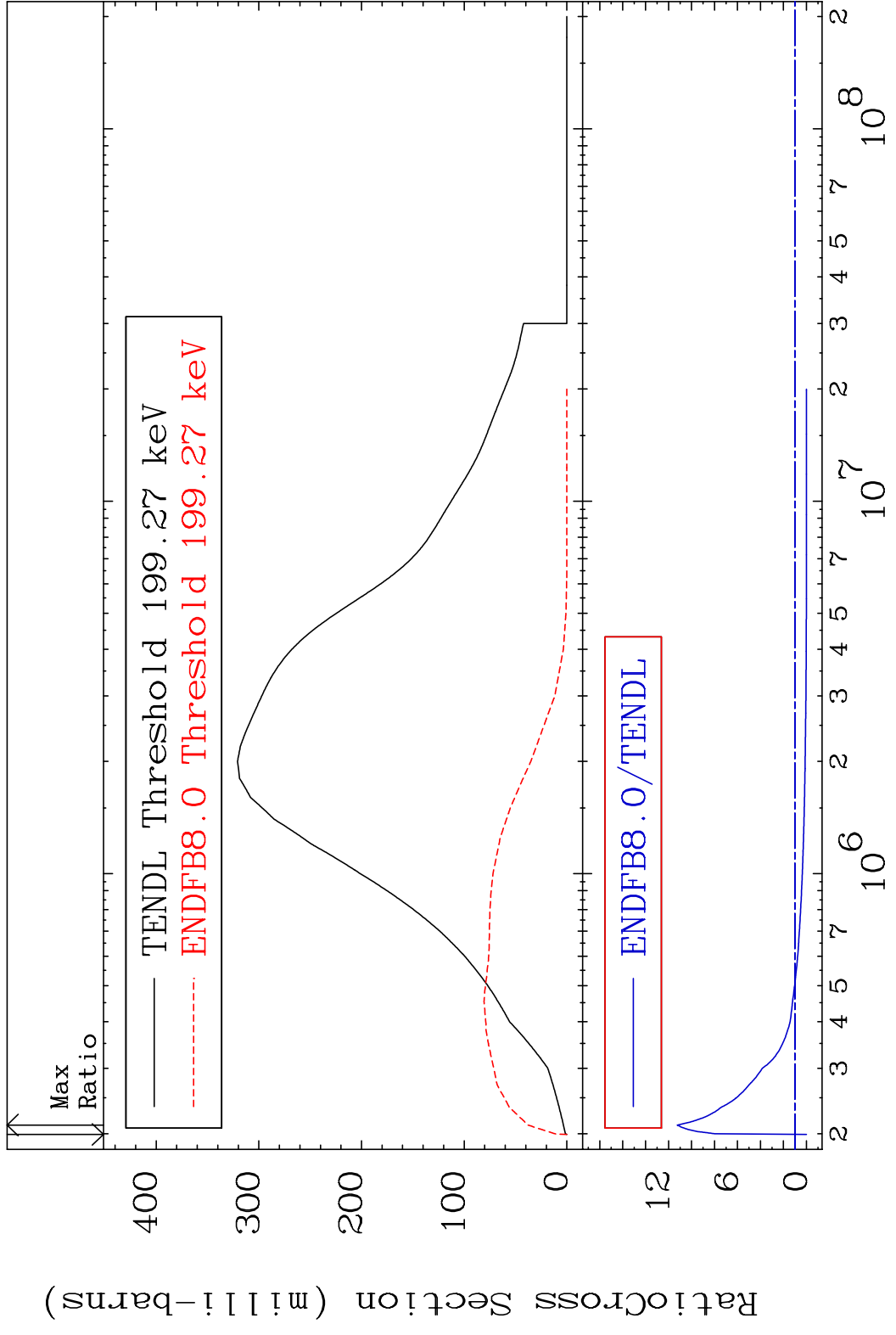
MAT 5528 MT= 57 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 246.1 %



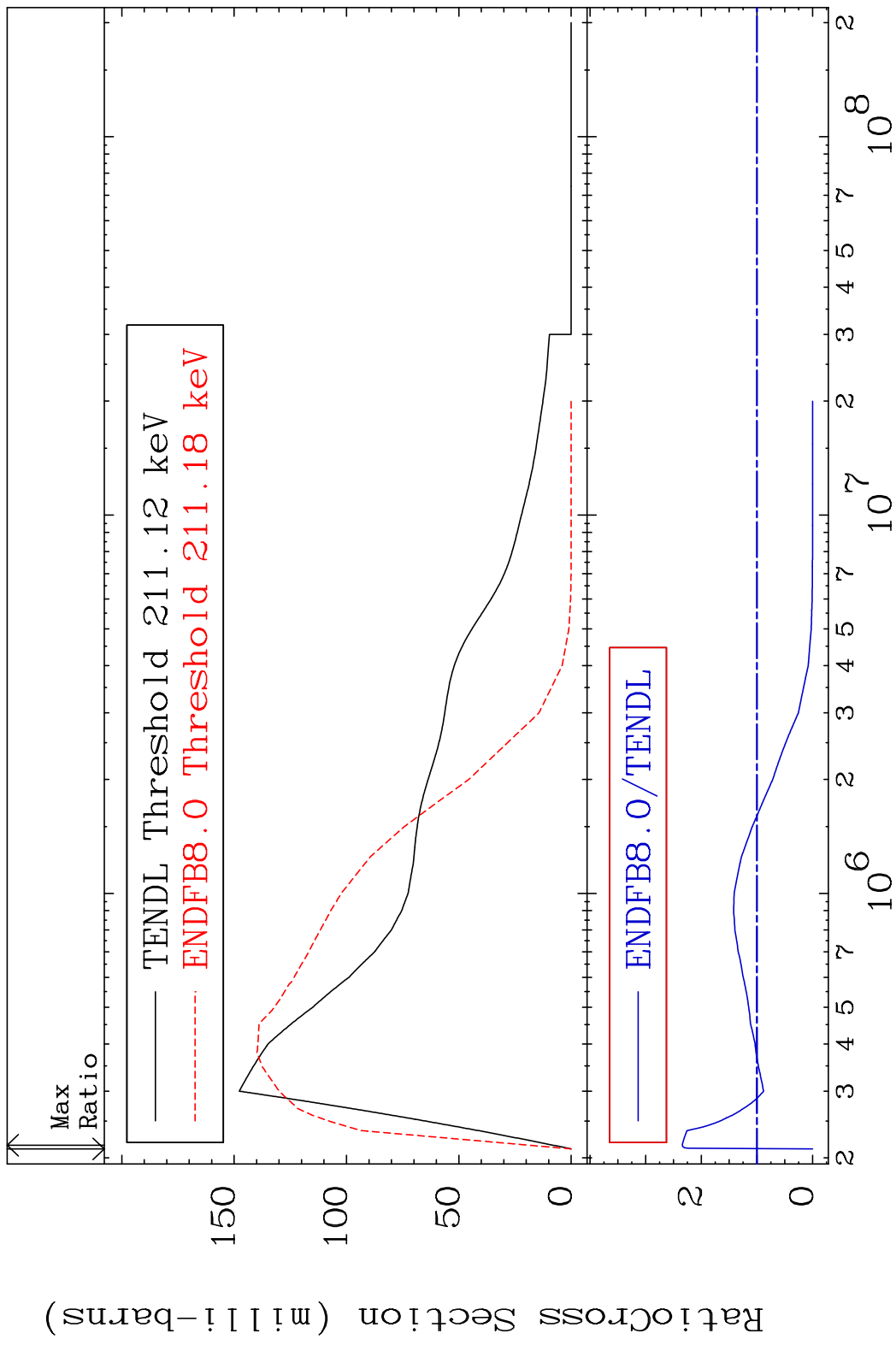
MAT 5528 MT= 58 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 141.3 %



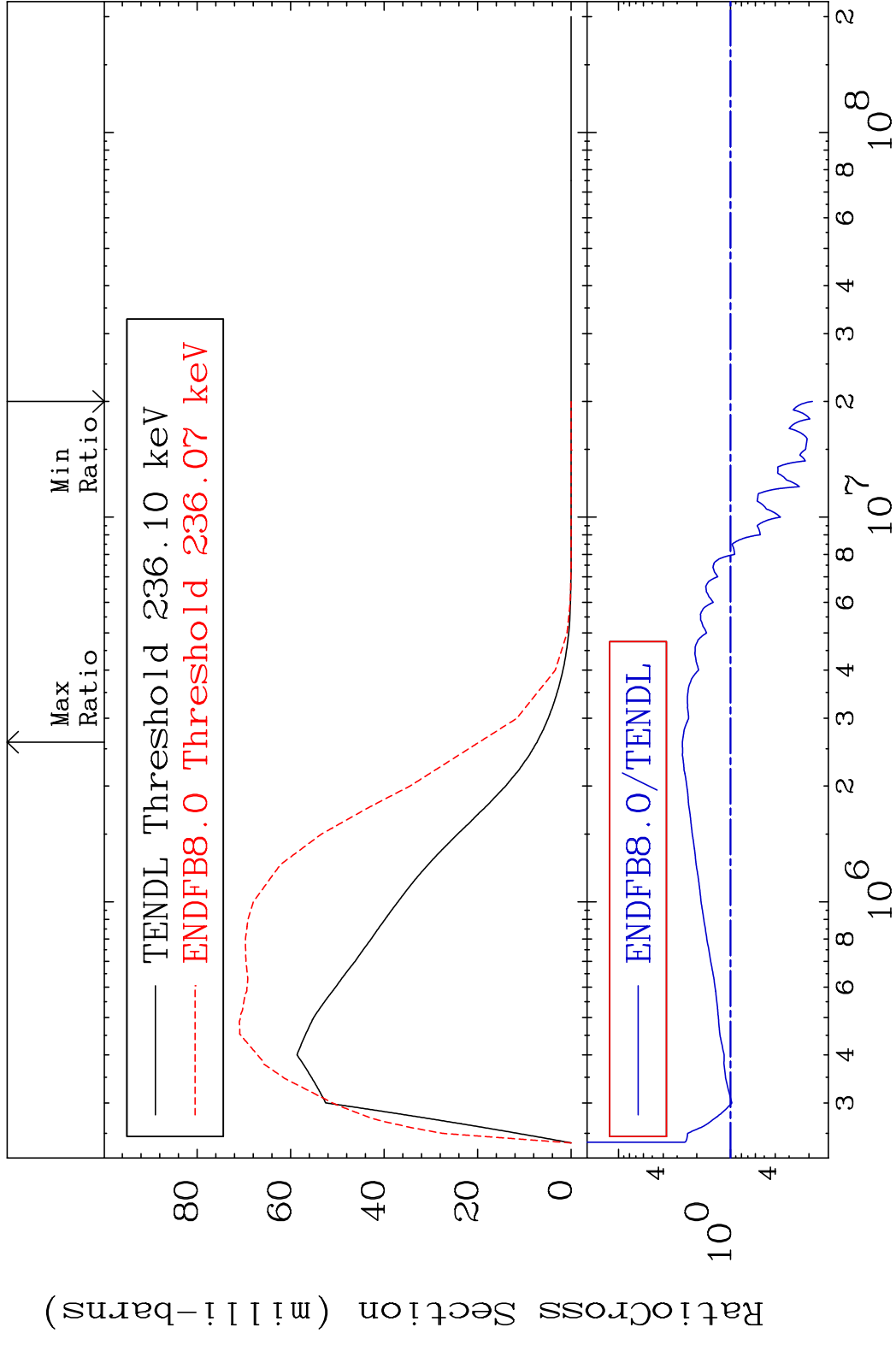
MAT 5528 MT= 59 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 1025. %



MAT 5528 MT= 60 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 134.0 %

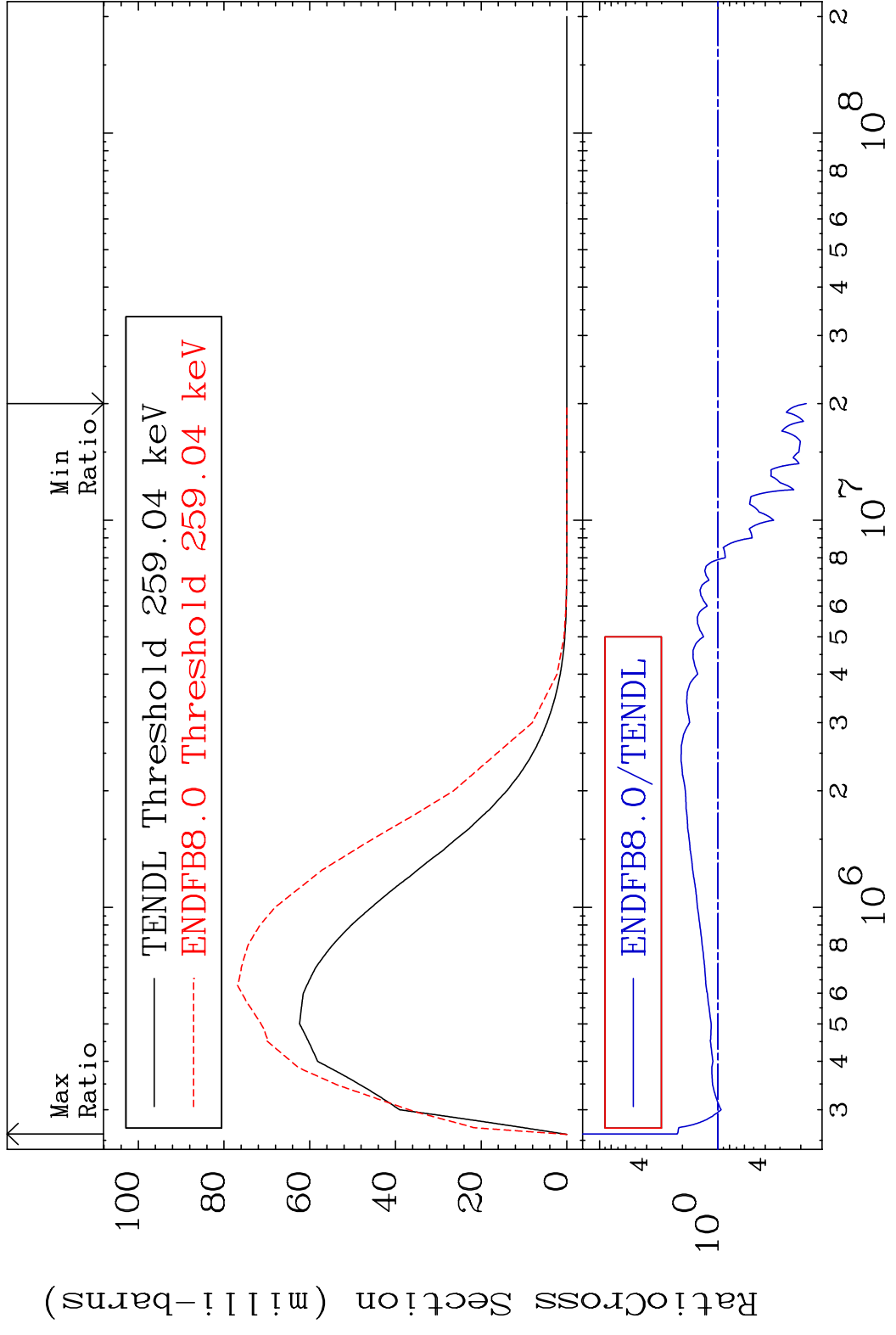


MAT 5528 MT= 61 (n, n') Level 55-Cs-134
 Cross Section -81.46 To 169.4 %

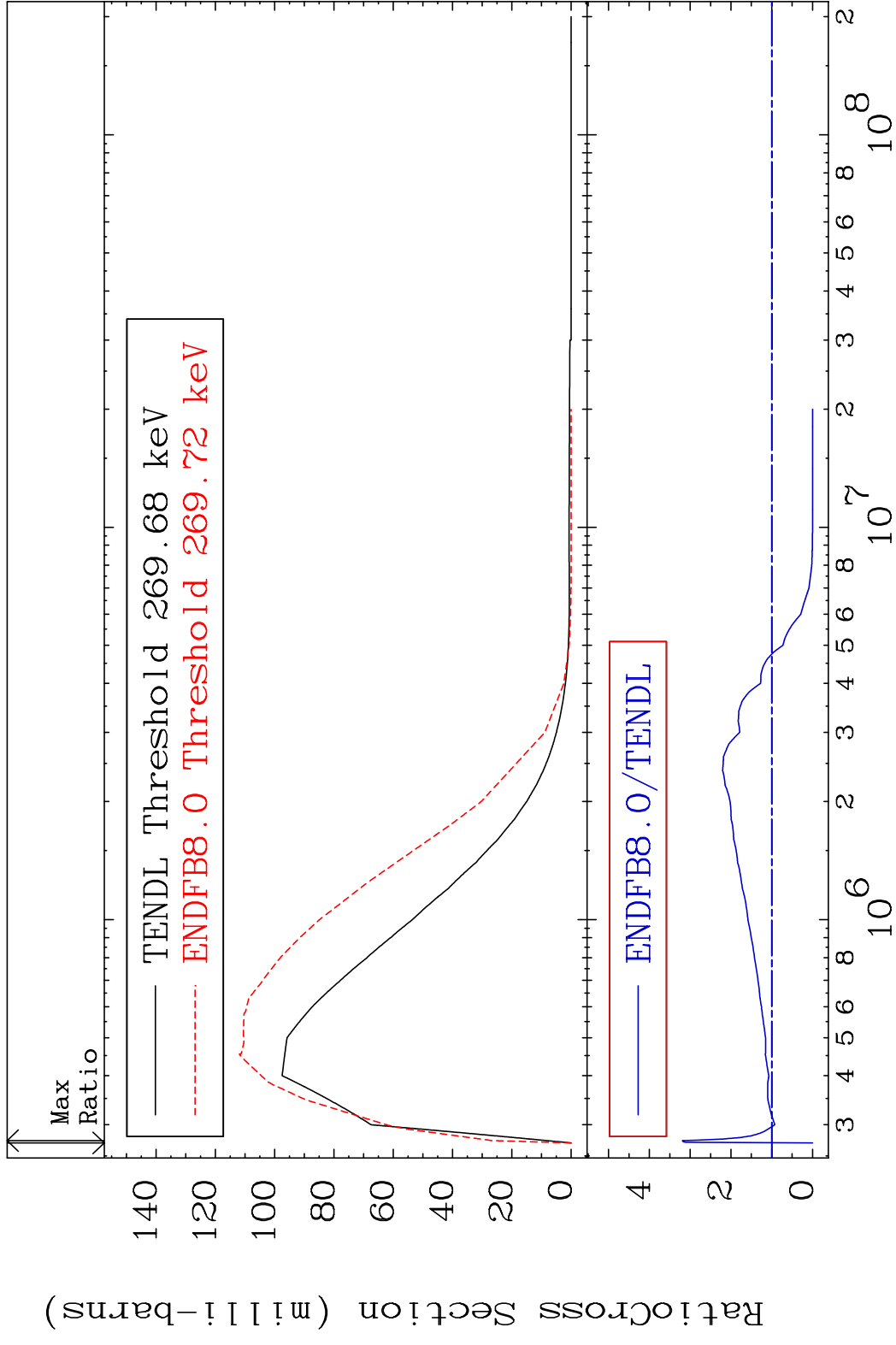


20 Incident Energy (eV) 55-Cs-134

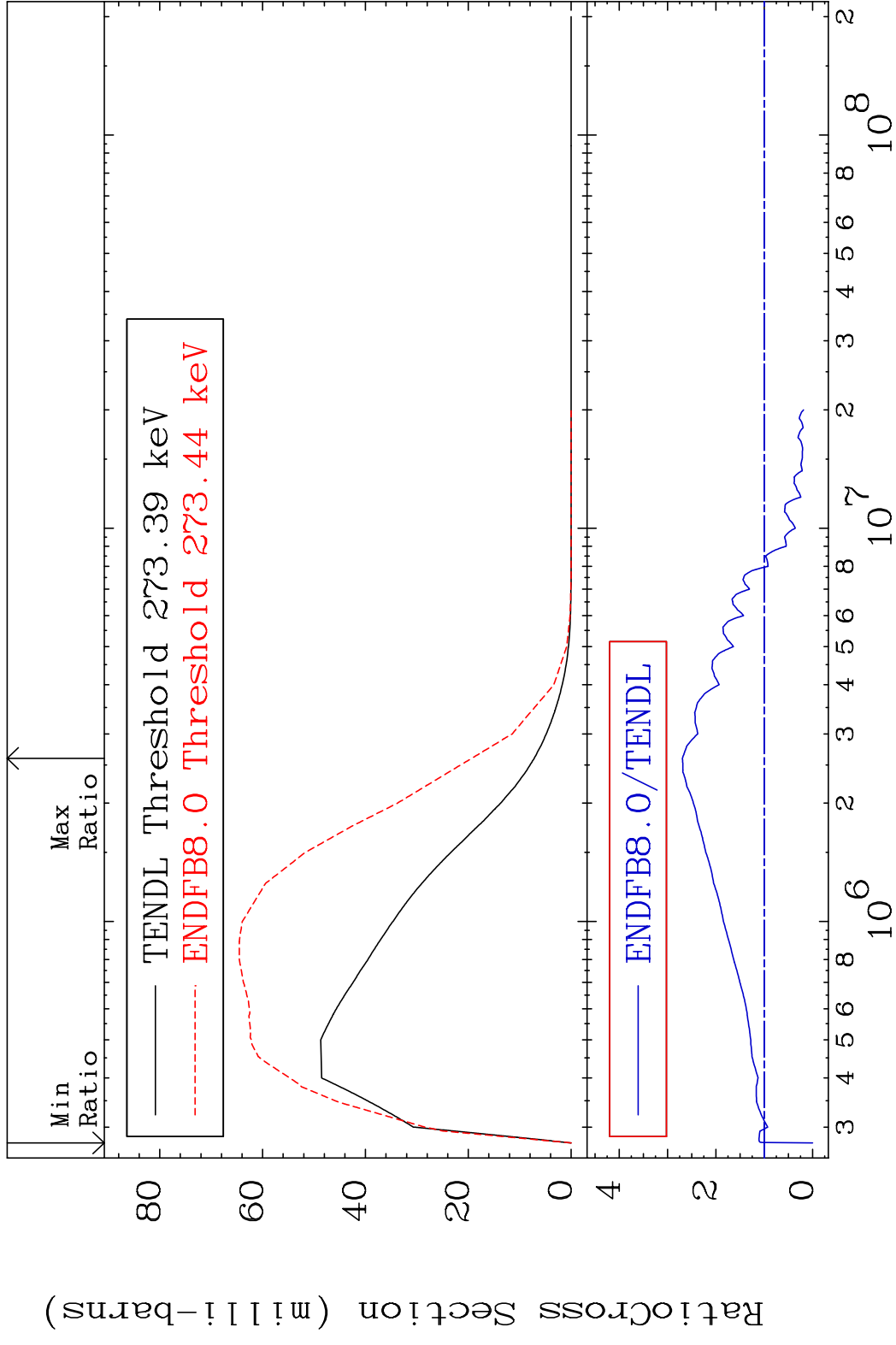
MAT 5528 MT= 62 (n,n') Level 55-Cs-134
 Cross Section -82.03 To 121.3 %



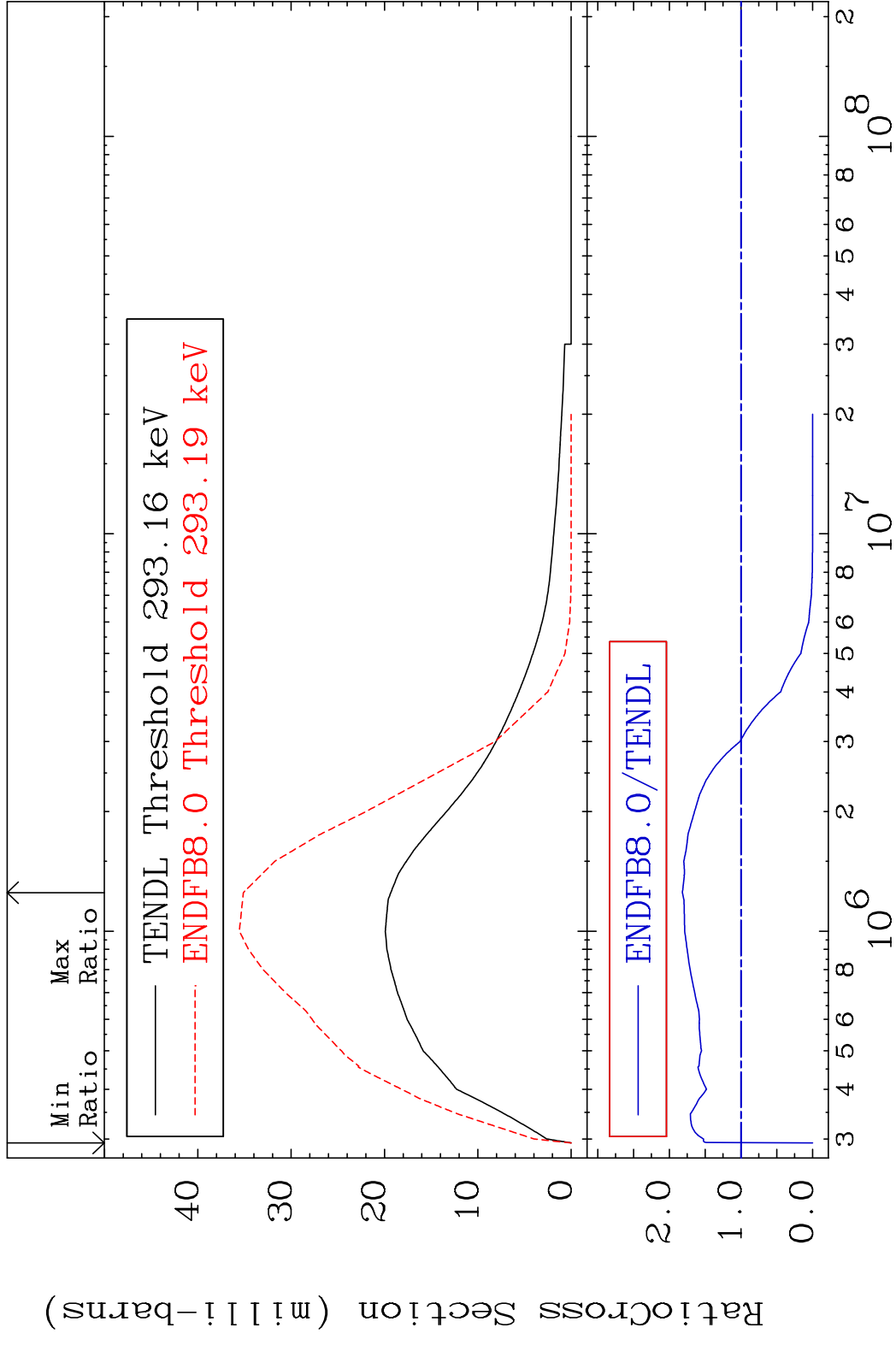
MAT 5528 MT= 63 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 219.1 %



MAT 5528 MT= 64 (n, n') Level 55-Cs-134
 Cross Section -100.0 To 169.3 %



MAT 5528 MT= 65 (n,n') Level 55-Cs-134
 Cross Section -100.0 To 81.78 %

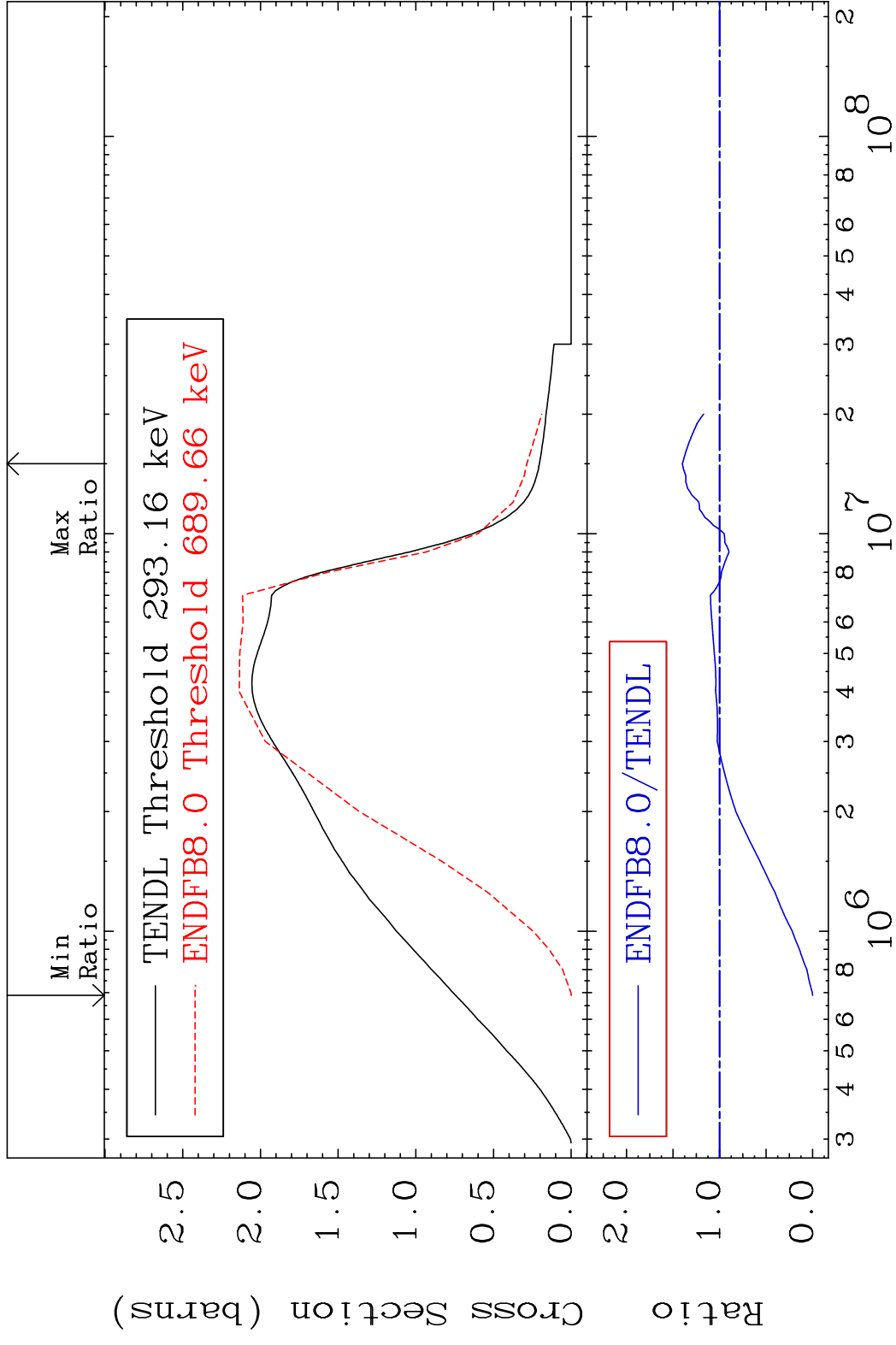


MAT 5528

(n, n') Continuum

55-Cs-134

Cross Section -100.0 To 39.89 %



25

Incident Energy (eV)

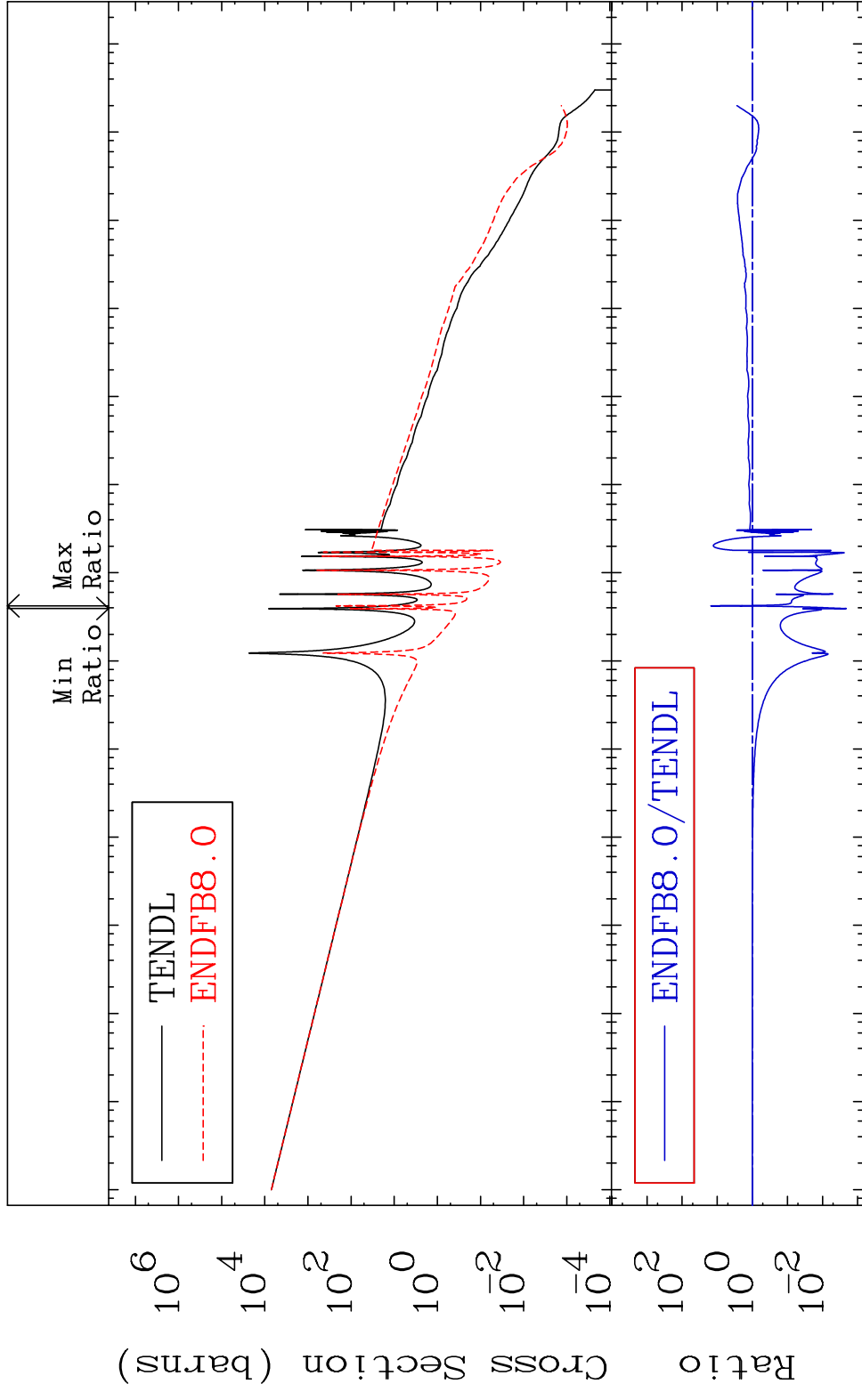
55-Cs-134

MAT 5528

55-Cs-134

(n, γ)

Cross Section -99.79 To 1431. %



MAT 5528

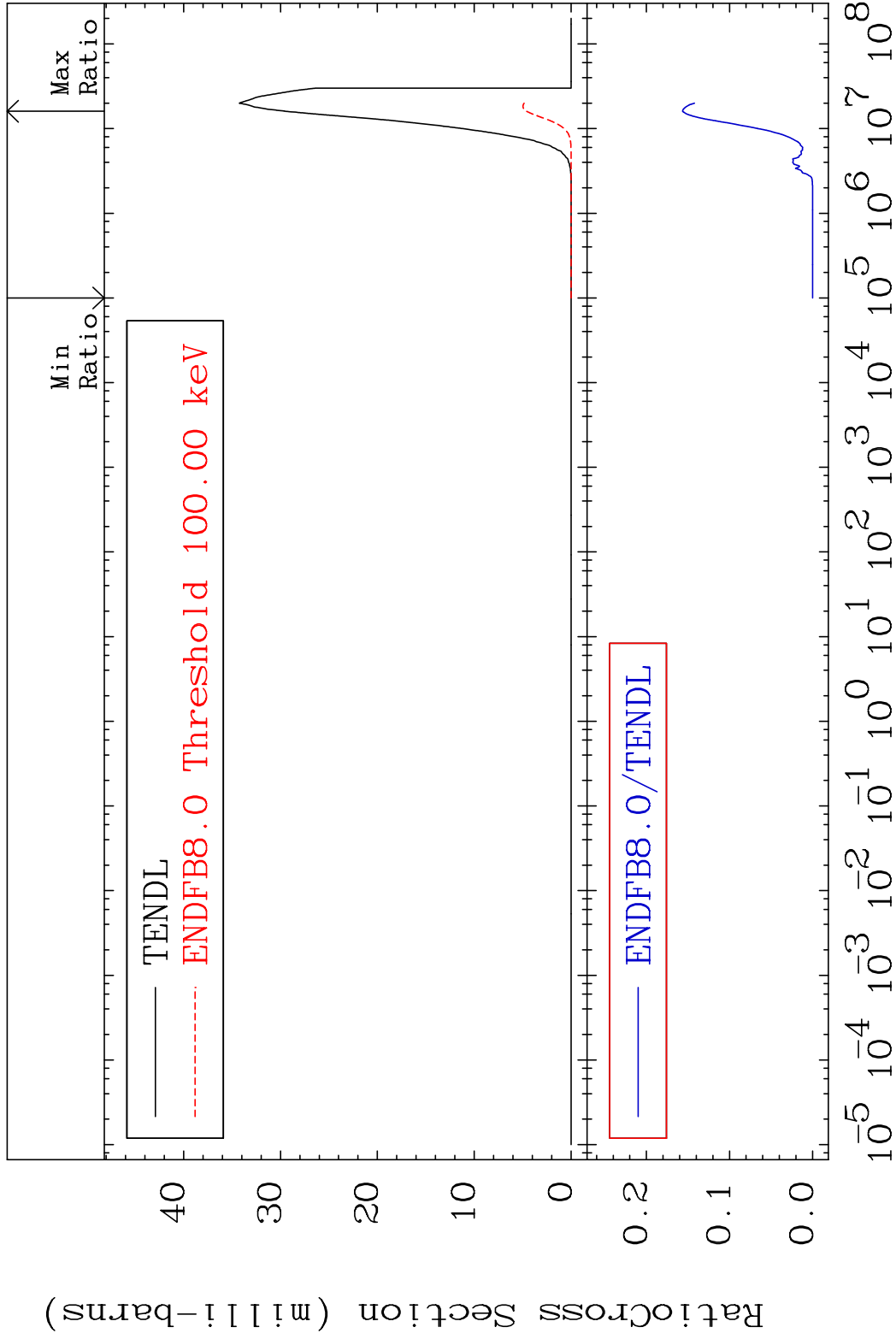
(n, p)

55-Cs-134

Cross Section

-100.0 To

-84.33%



27

Incident Energy (eV)

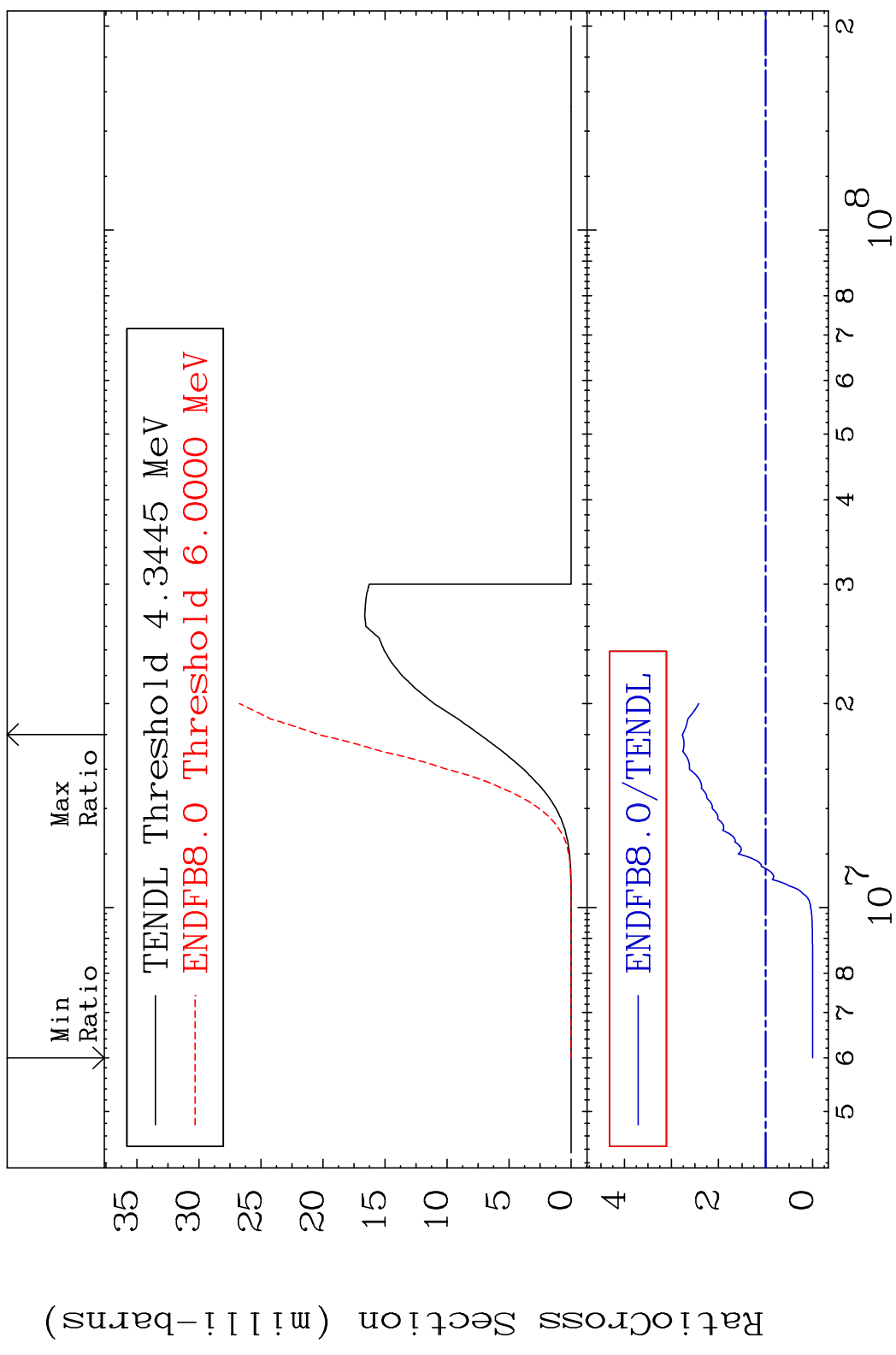
55-Cs-134

MAT 5528

(n, d)

55-Cs-134

Cross Section -100.0 To 176.9 %

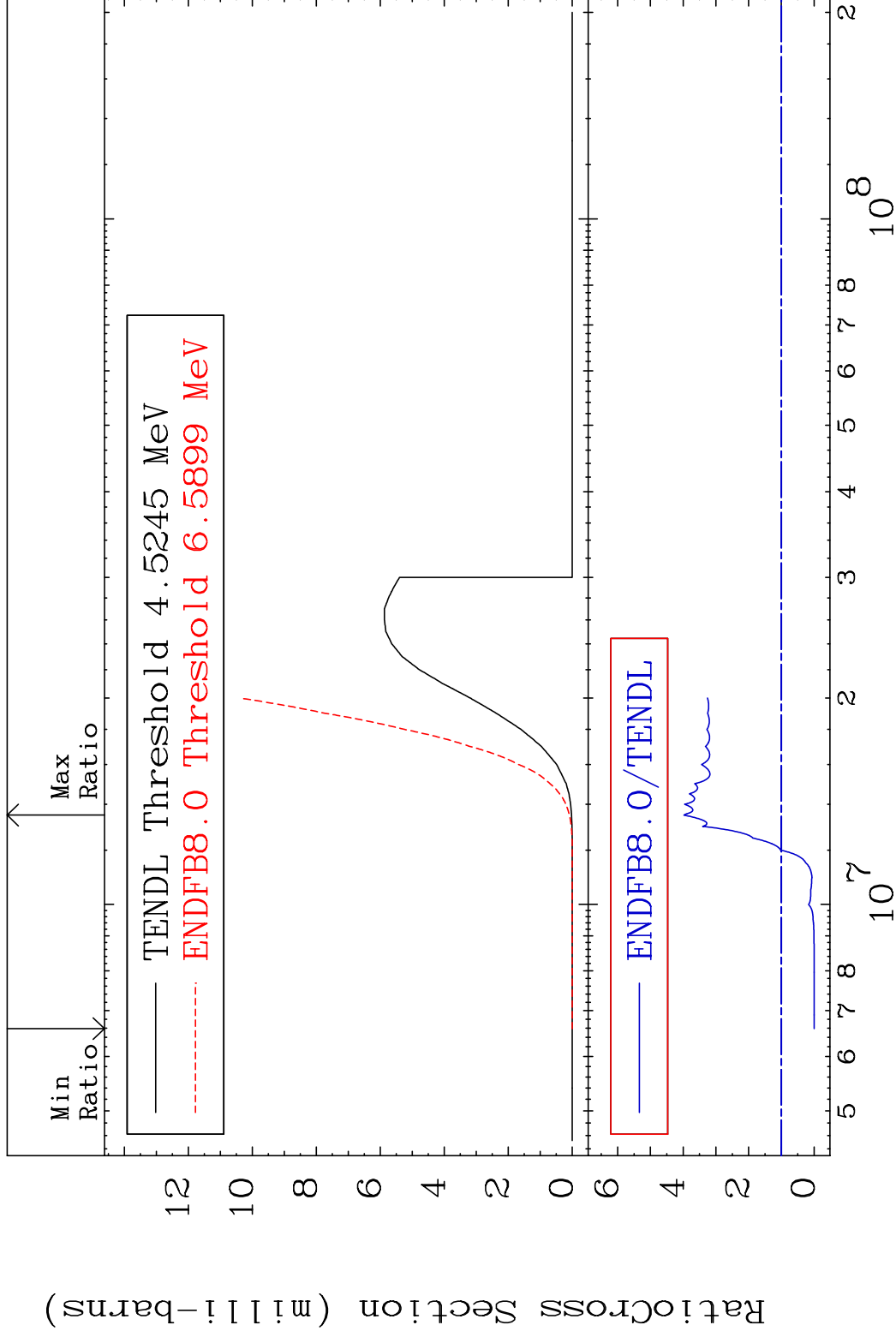


MAT 5528

(n, t)

55-Cs-134

Cross Section -100.0 To 298.4 %



29

Incident Energy (eV)

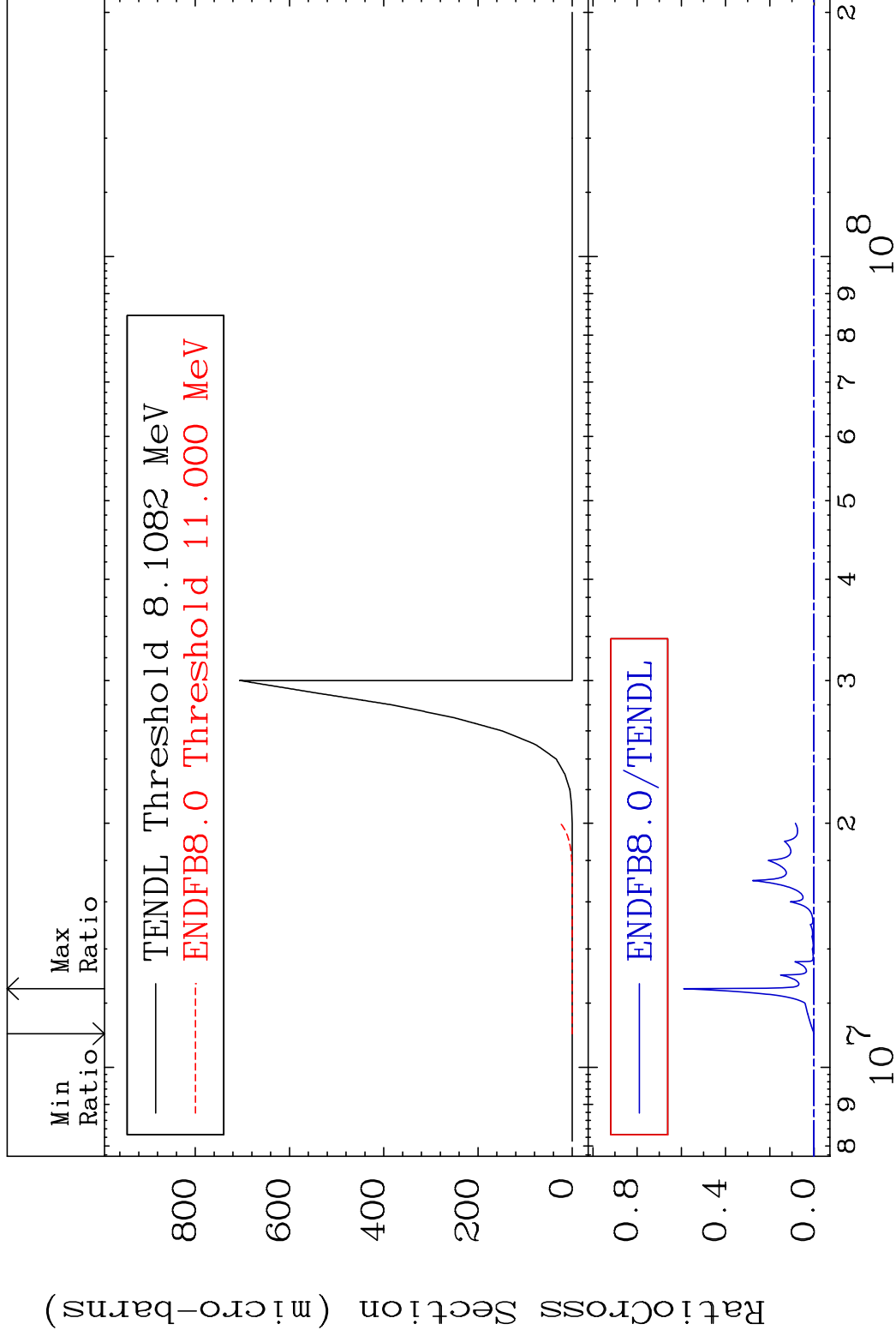
55-Cs-134

MAT 5528

(n, He-3)

55-Cs-134

Cross Section -100.0 To 9999. %

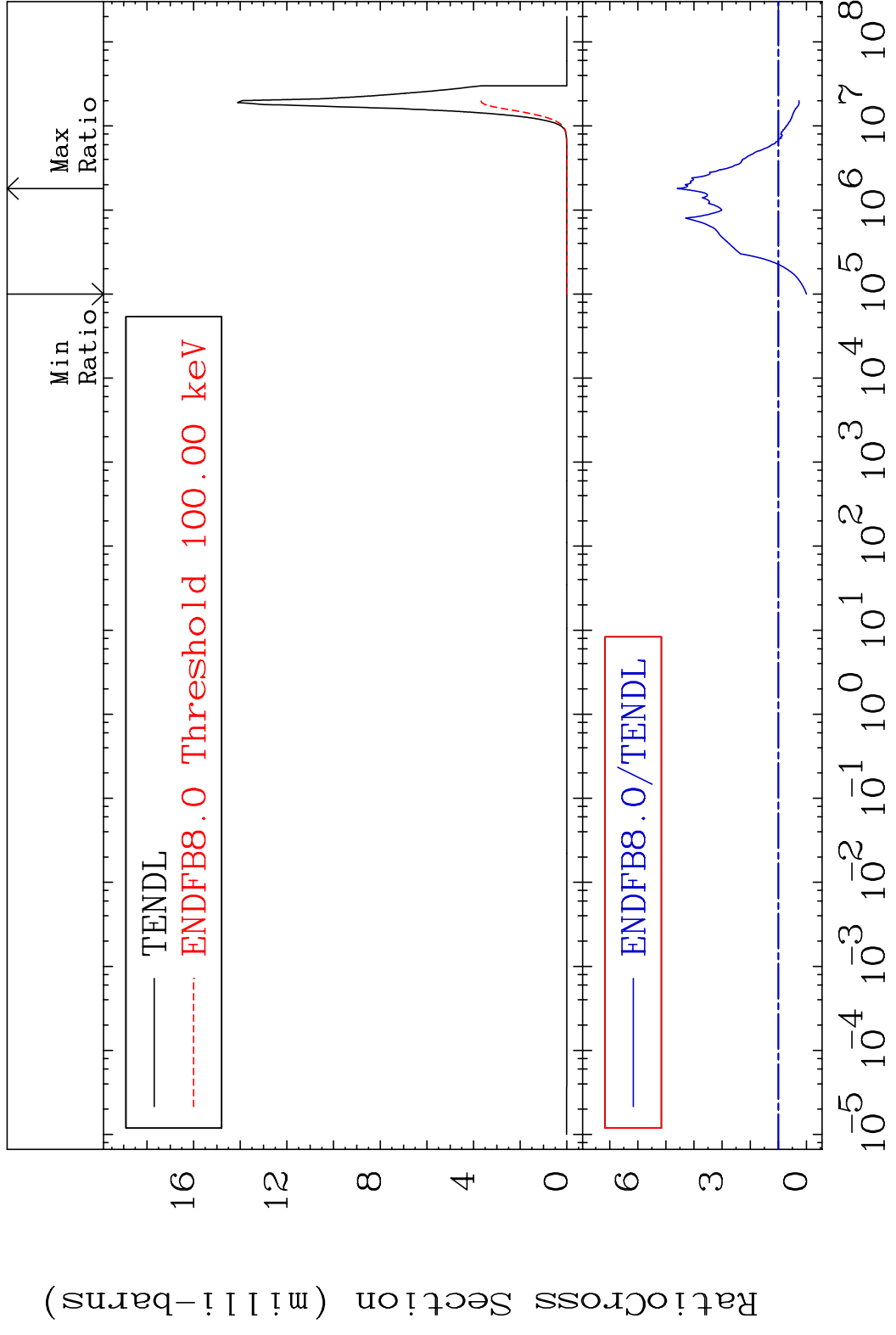


30

Incident Energy (eV)

55-Cs-134

MAT 5528 (n, α) 55-Cs-134
 Cross Section -100.0 To 360.0 %

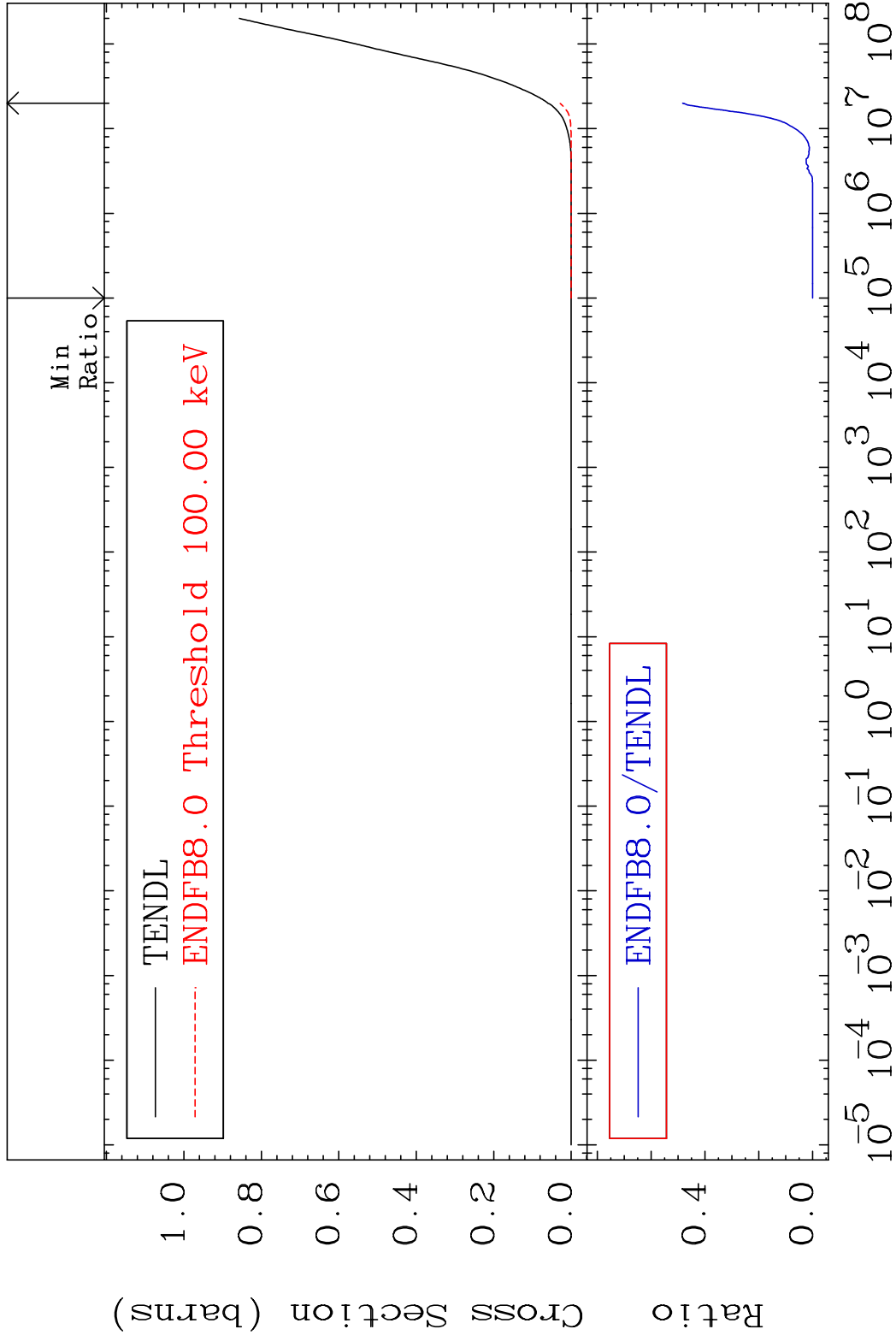


MAT 5528

Hydrogen Production

55-Cs-134

Cross Section -100.0 To -51.61%



32

Incident Energy (eV)

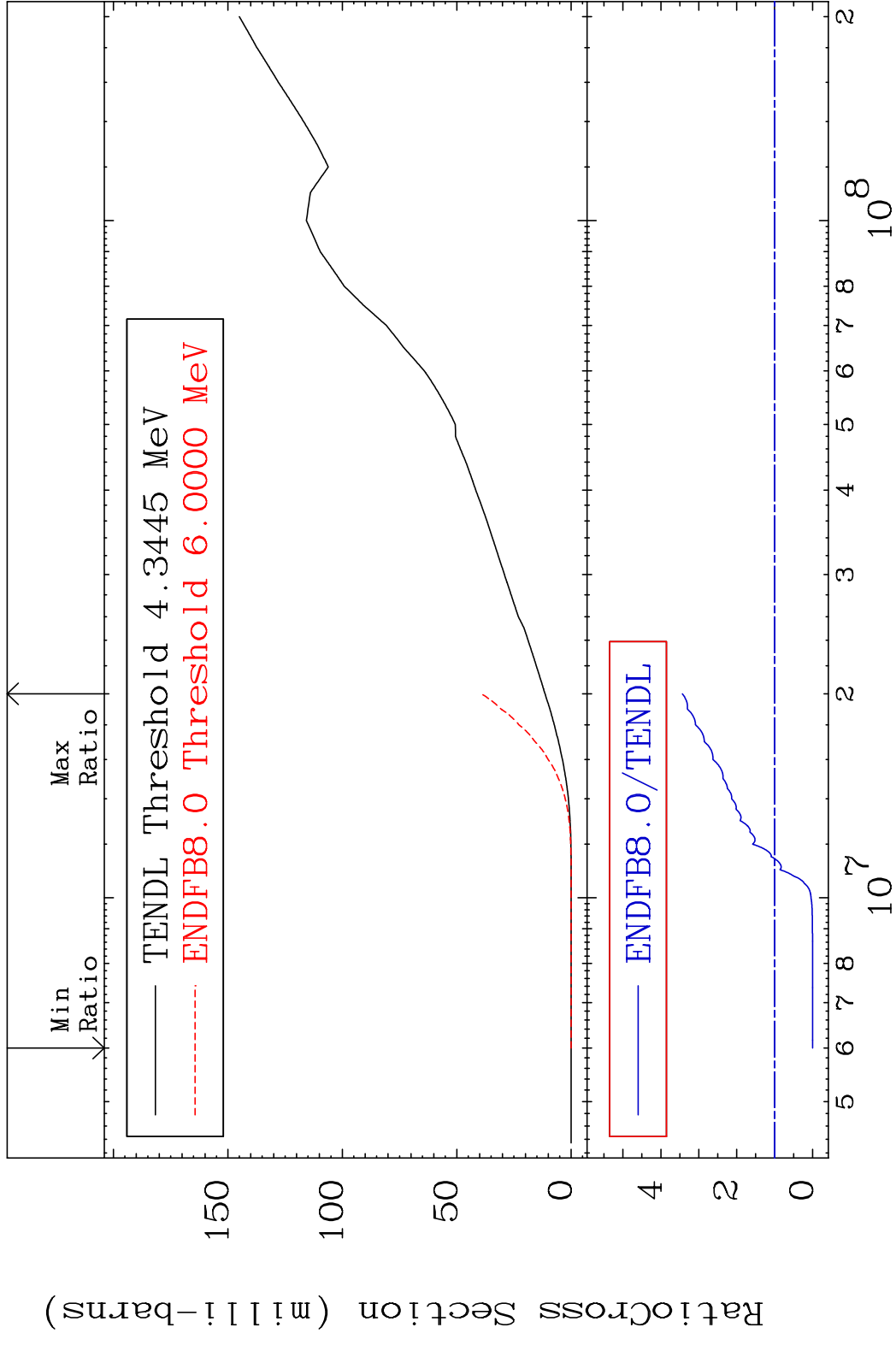
55-Cs-134

MAT 5528

Deuterium Production

55-Cs-134

Cross Section -100.0 To 243.3 %



33

Incident Energy (eV)

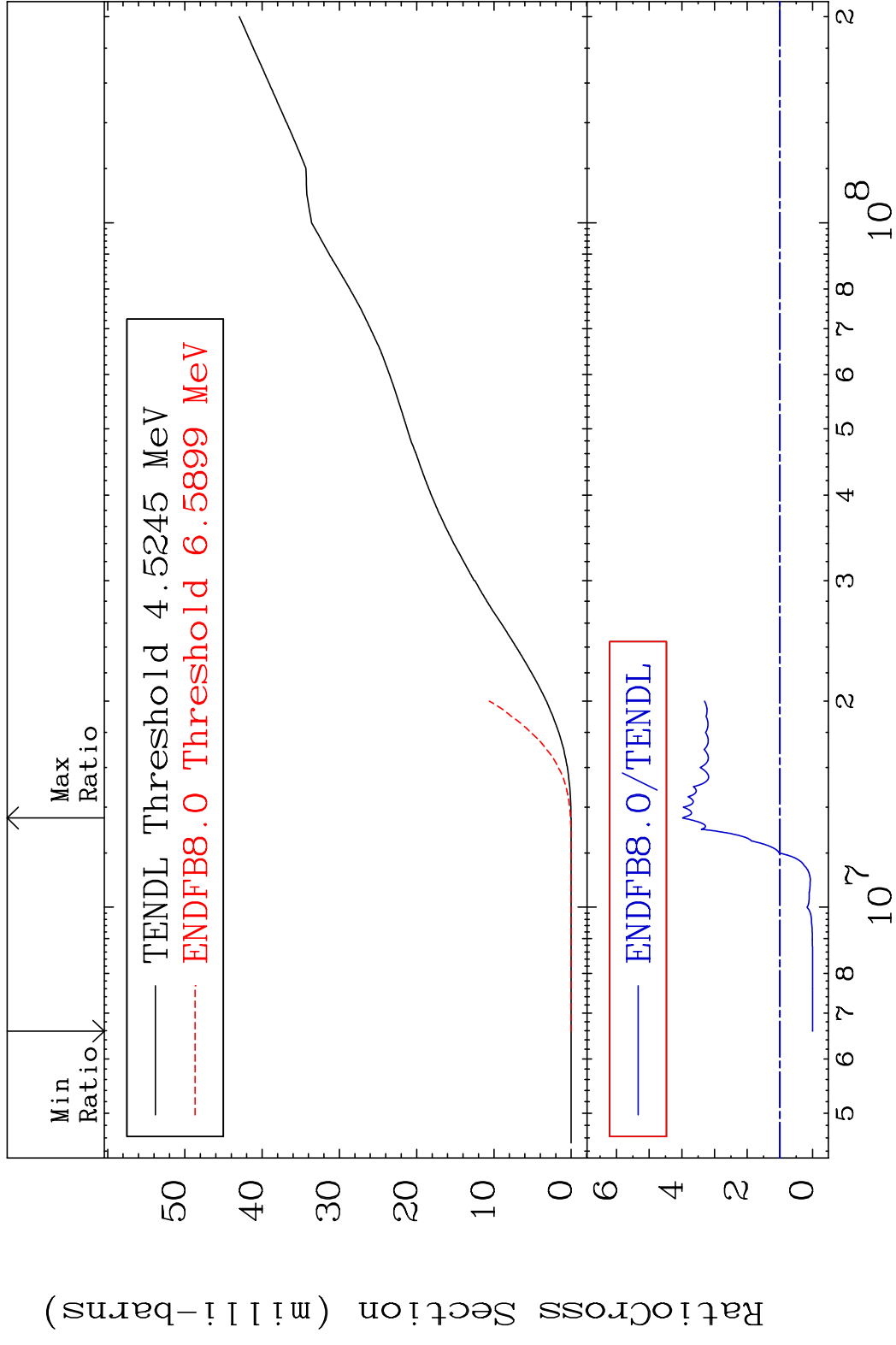
55-Cs-134

MAT 5528

Tritium Production

55-Cs-134

Cross Section -100.0 To 298.4 %

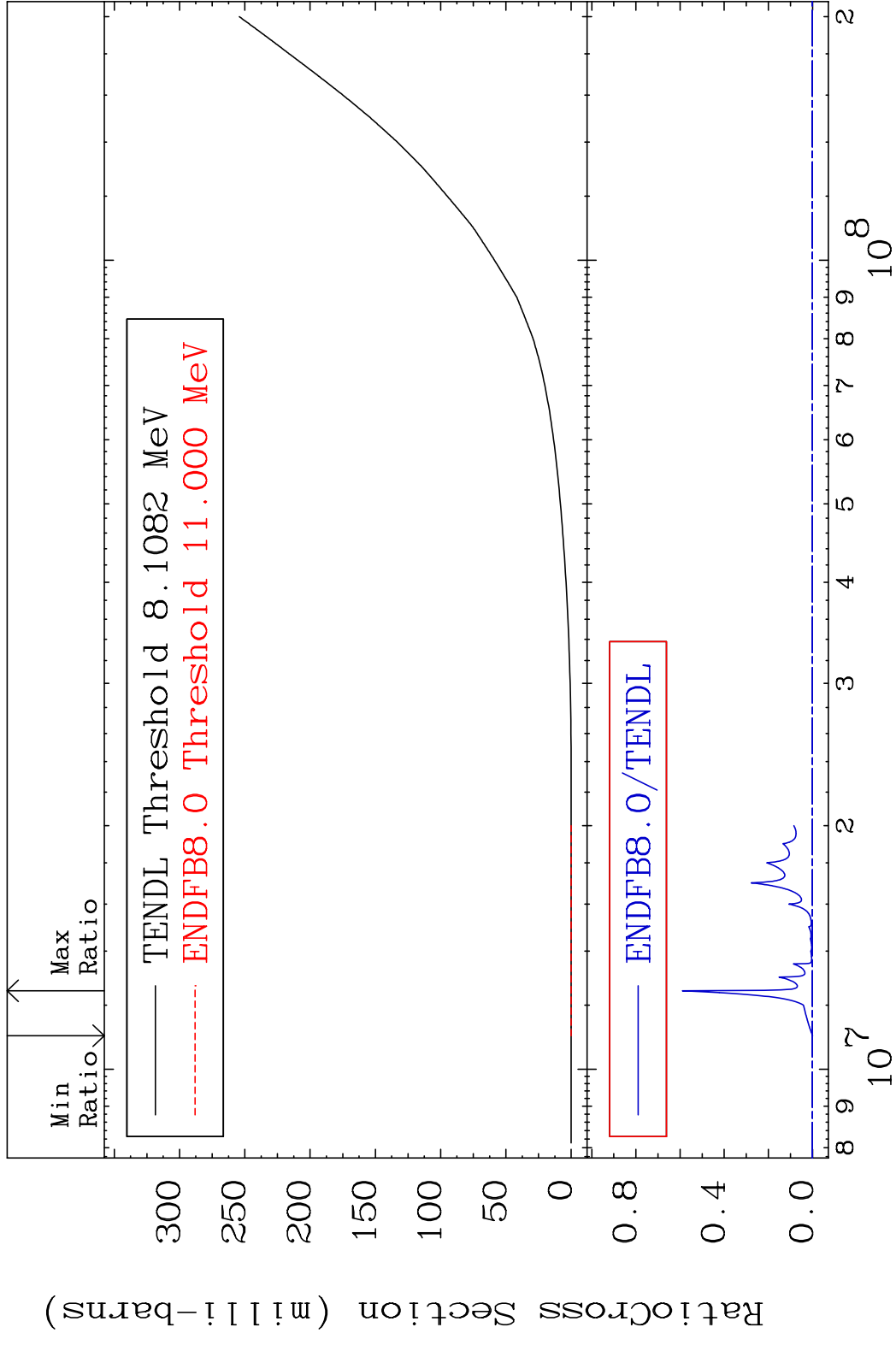


MAT 5528

He-3 Production

55-Cs-134

Cross Section -100.0 To 9999. %

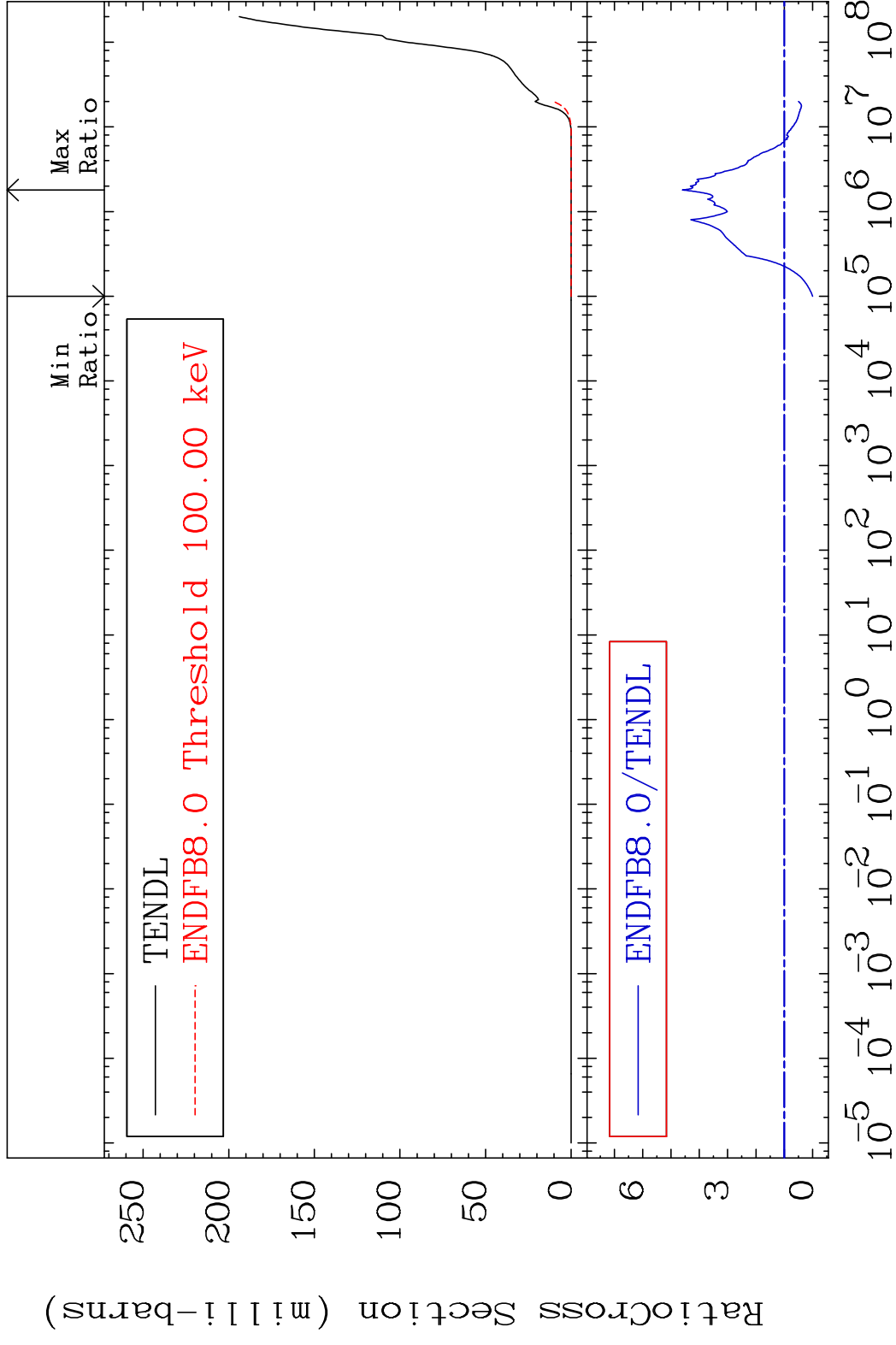


MAT 5528

He-4 Production

55-Cs-134

Cross Section -100.0 To 360.0 %

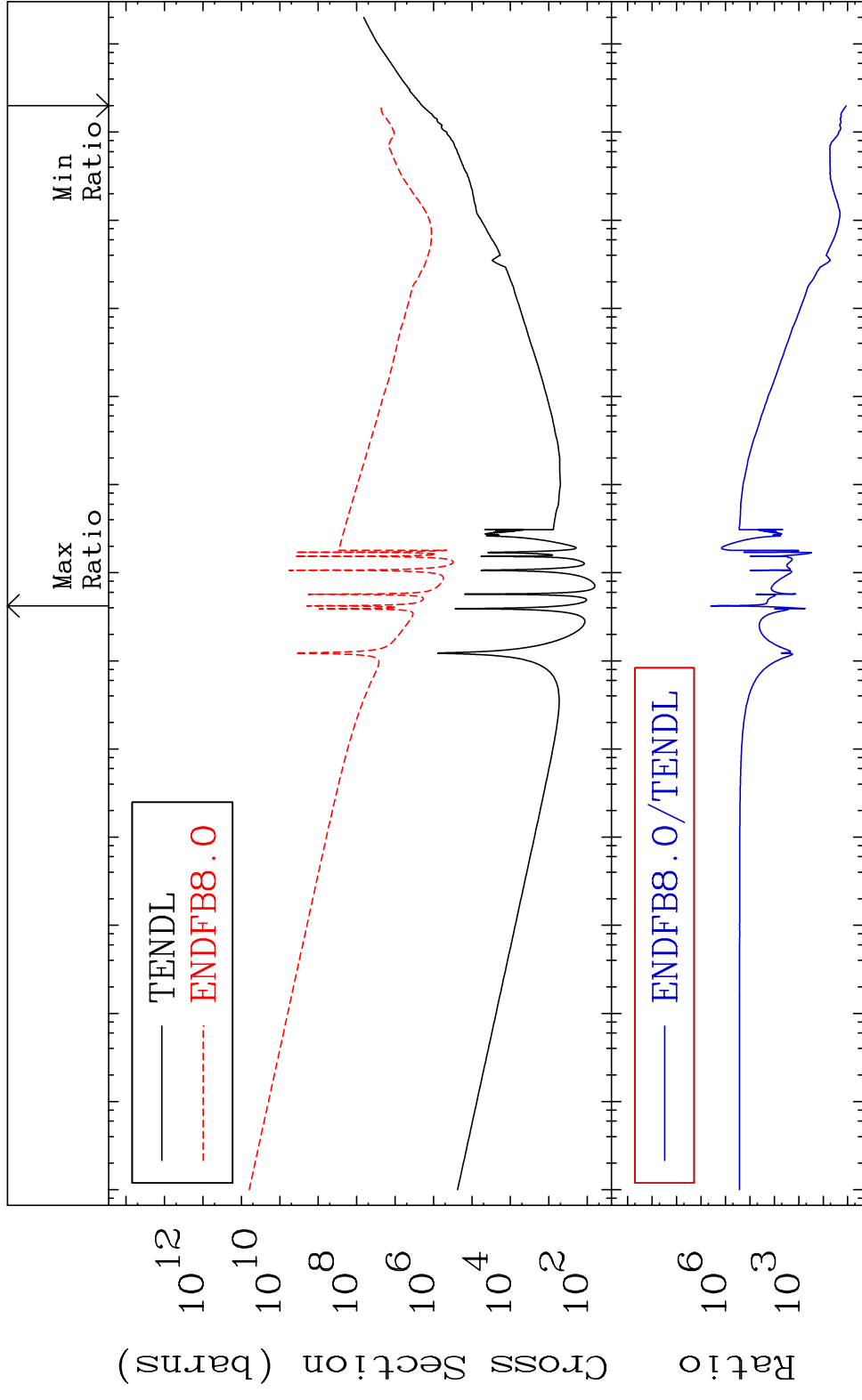


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Incident Energy (eV)

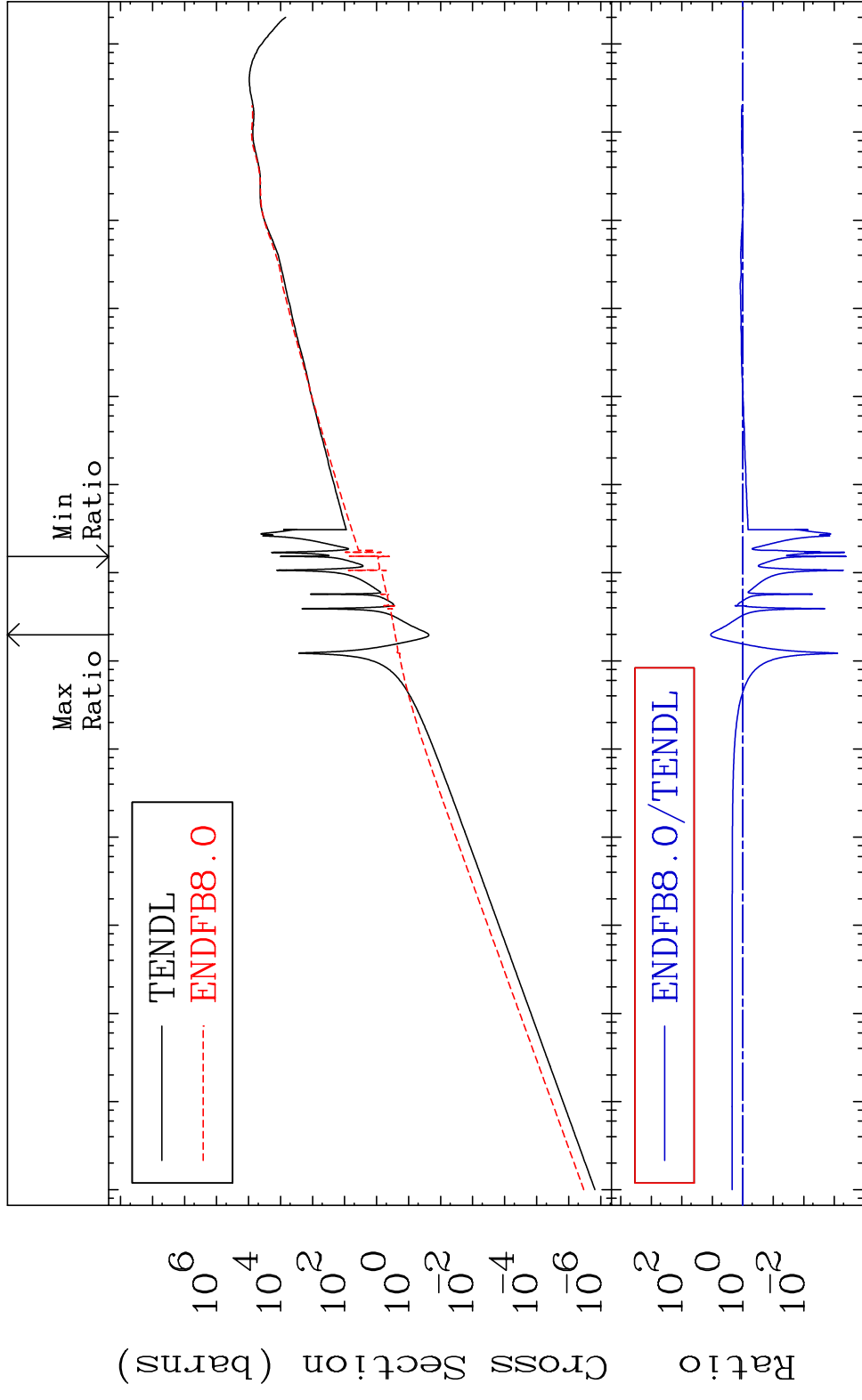
55-Cs-134

MAT 5528 Kerma total (eV-barns) 55-Cs-134
 Cross Section 1035. To 9999. %

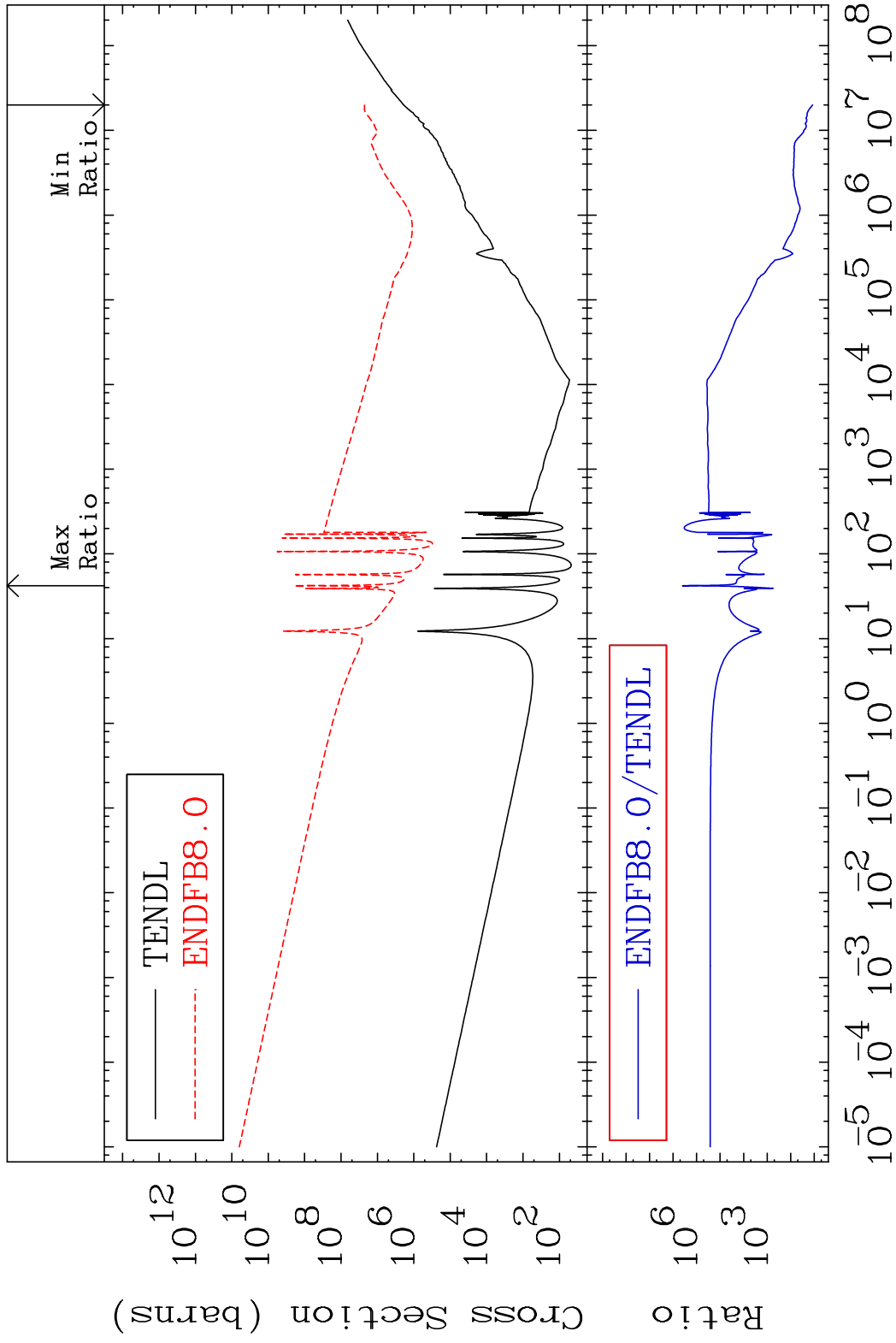


MAT 5528

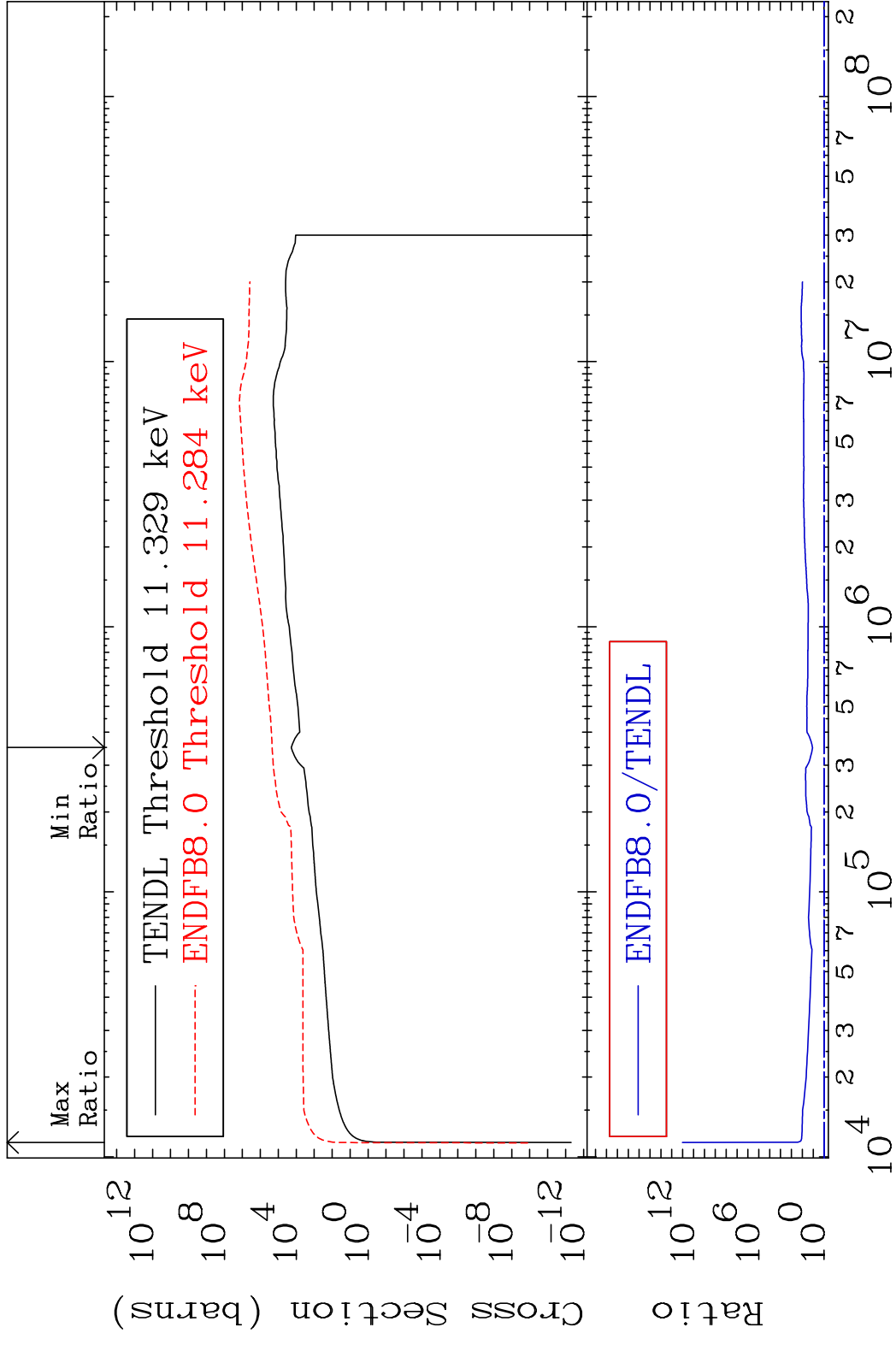
Kerma elastic Cross Section -99.96 To 1027. %
55-Cs-134



MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
 Cross Section 1073. To 9999. %

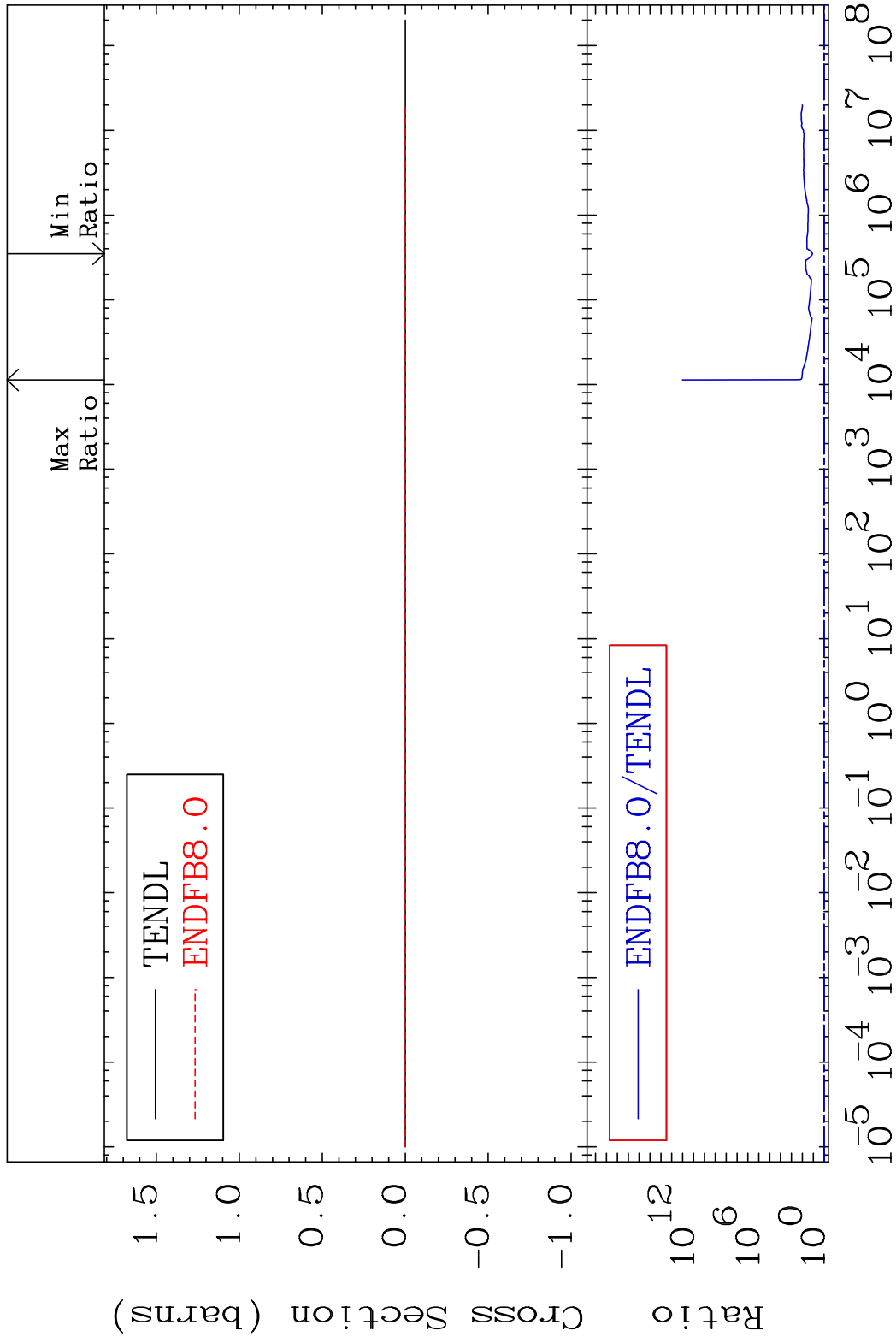


MAT 5528 Kerma inelastic (mt51-91) 55-Cs-134
 Cross Section 1046. To 9999. %



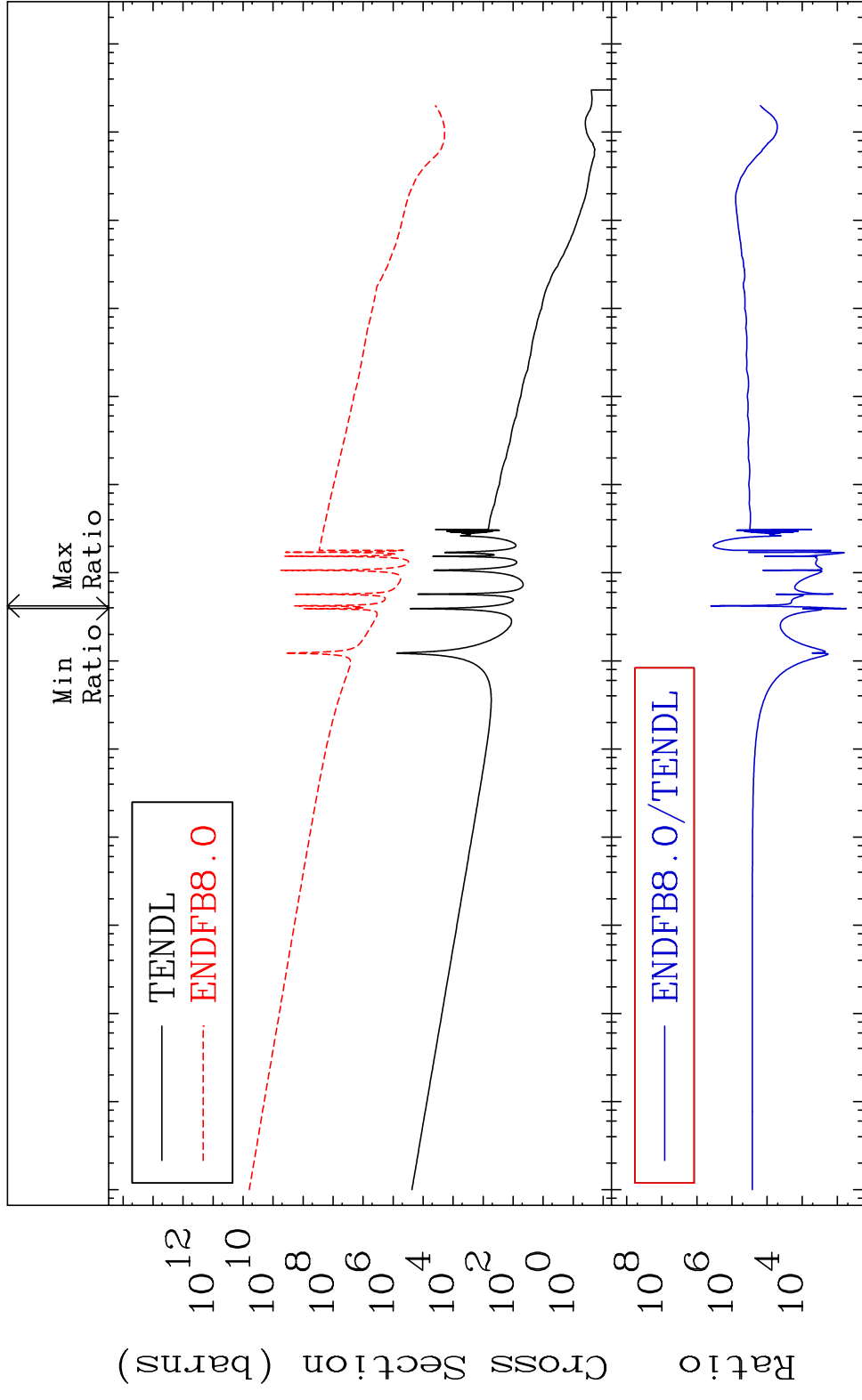
40 Incident Energy (eV) 55-Cs-134

MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
 Cross Section 1046. To 9999. %

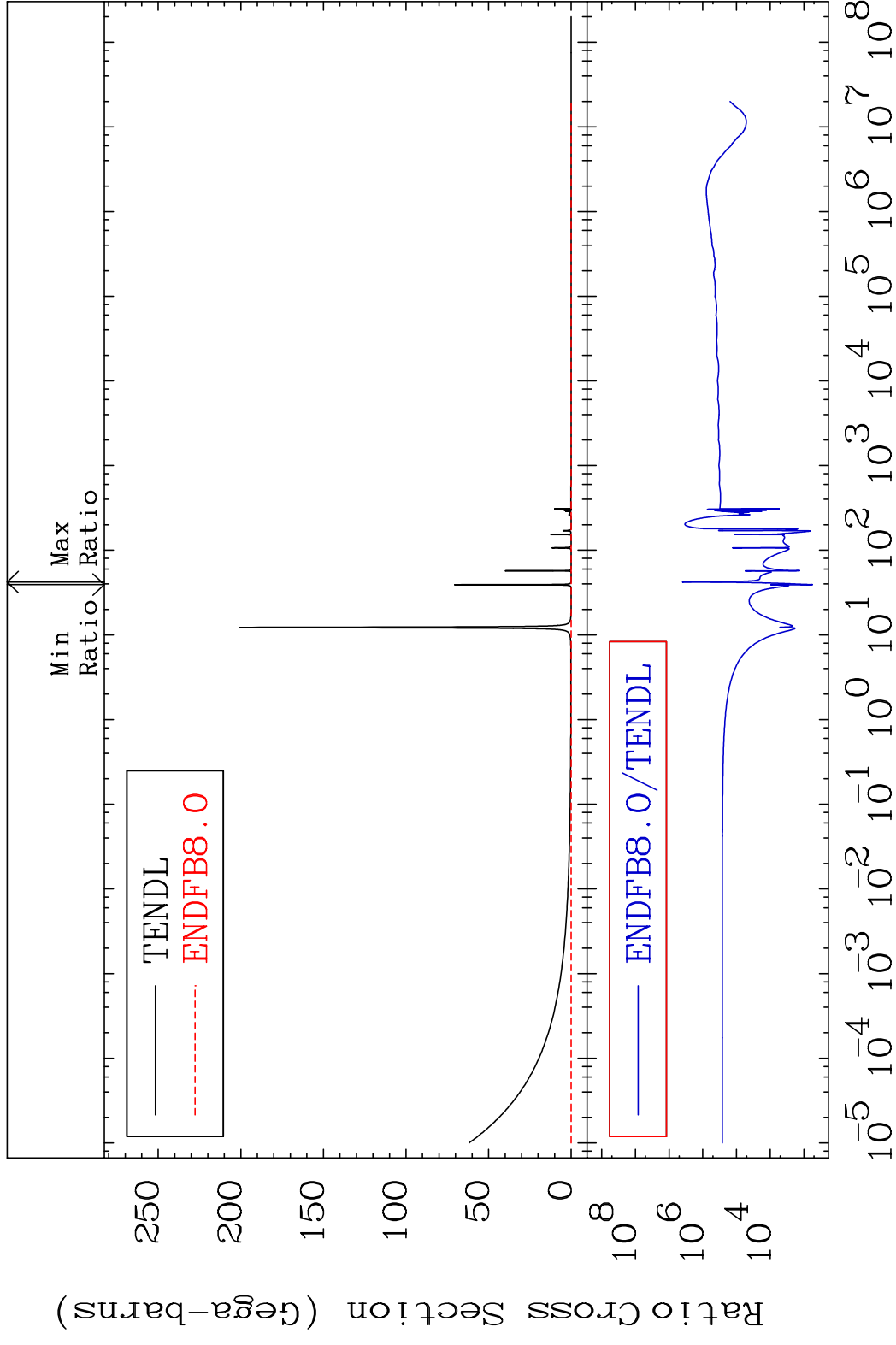


MAT 5528

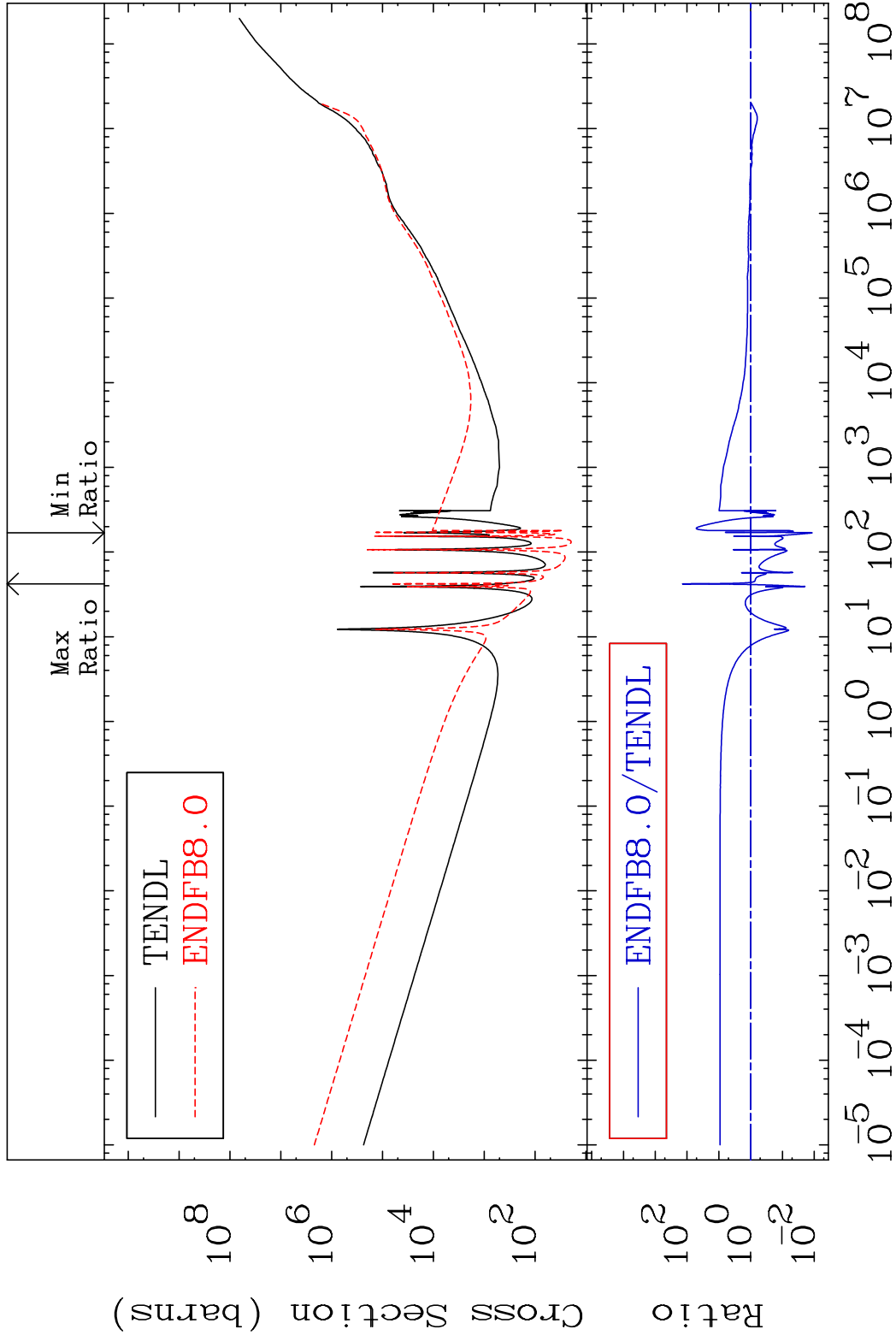
Kerma capture (mt102) 55-Cs-134
Cross Section 9999. To 9999. %



MAT 5528 Total photon (eV-barns) 55-Cs-134
 Cross Section 9999. To 9999. %



MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
 Cross Section -98.87 To 9999. %

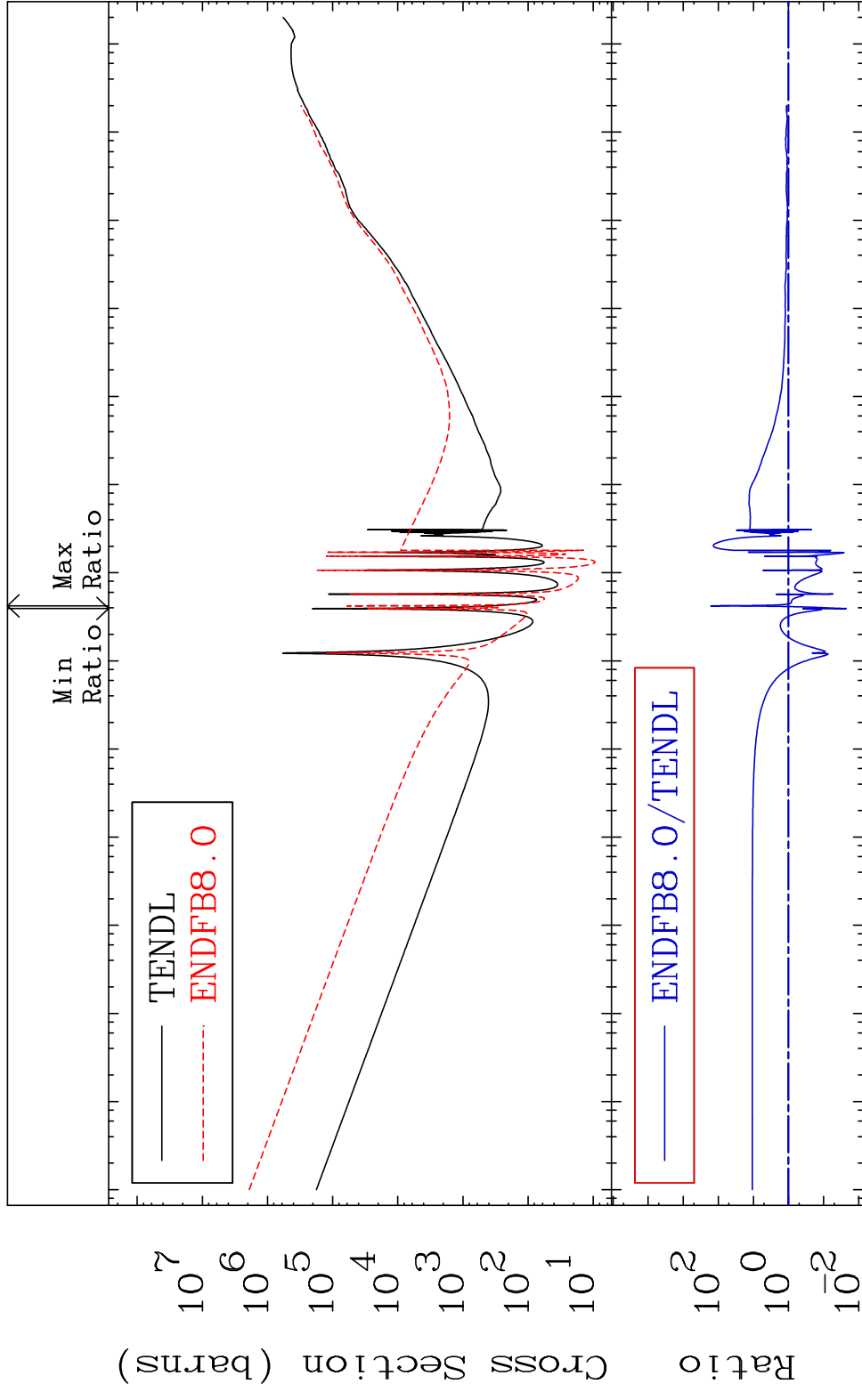


MAT 5528

Dpa total (eV-barns)

55-Cs-134

Cross Section -97.75 To 9999. %



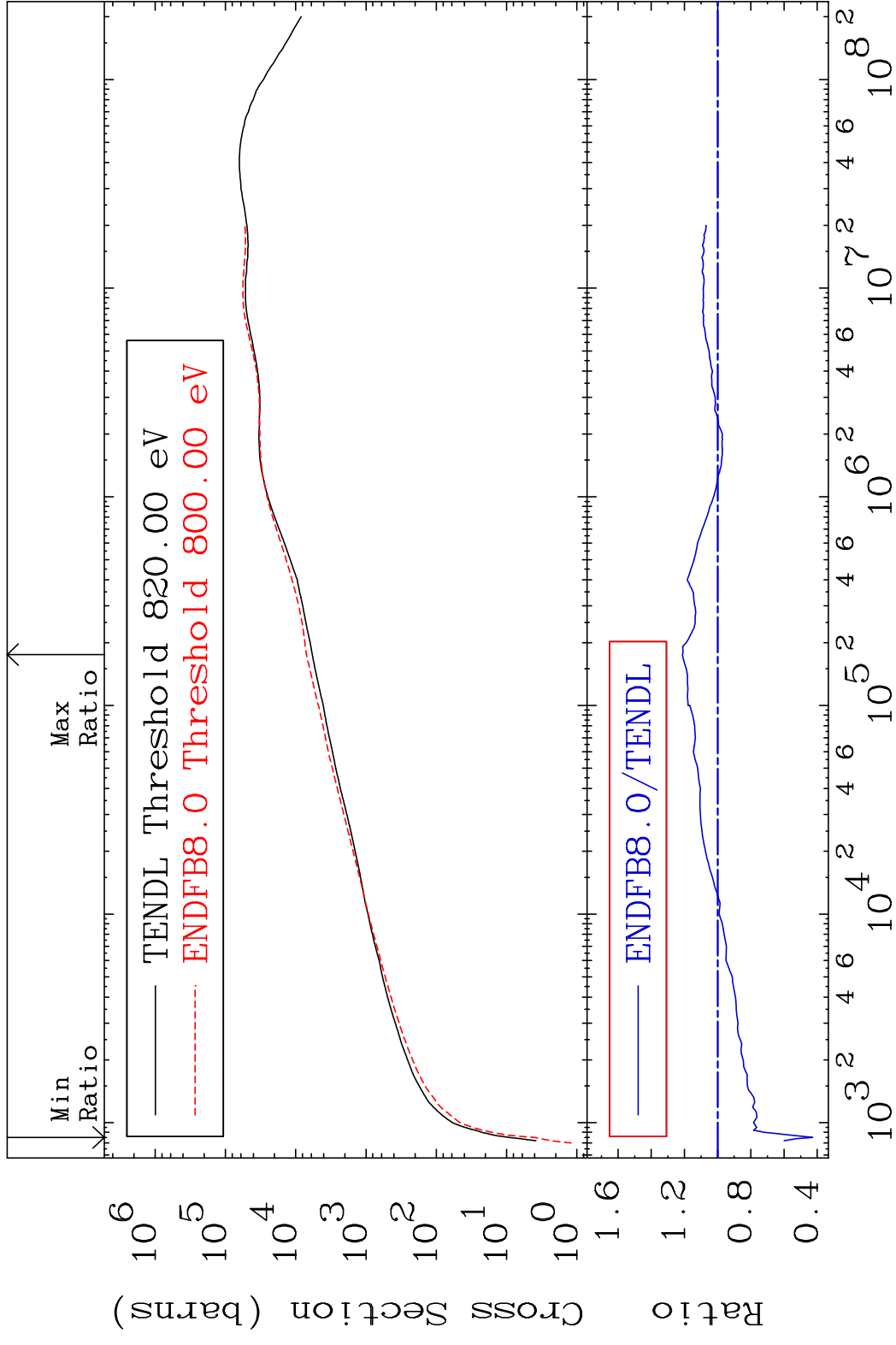
MAT 5528

Dpa elastic (mt2)

55-Cs-134

Cross Section

-57.16 To 21.25 %

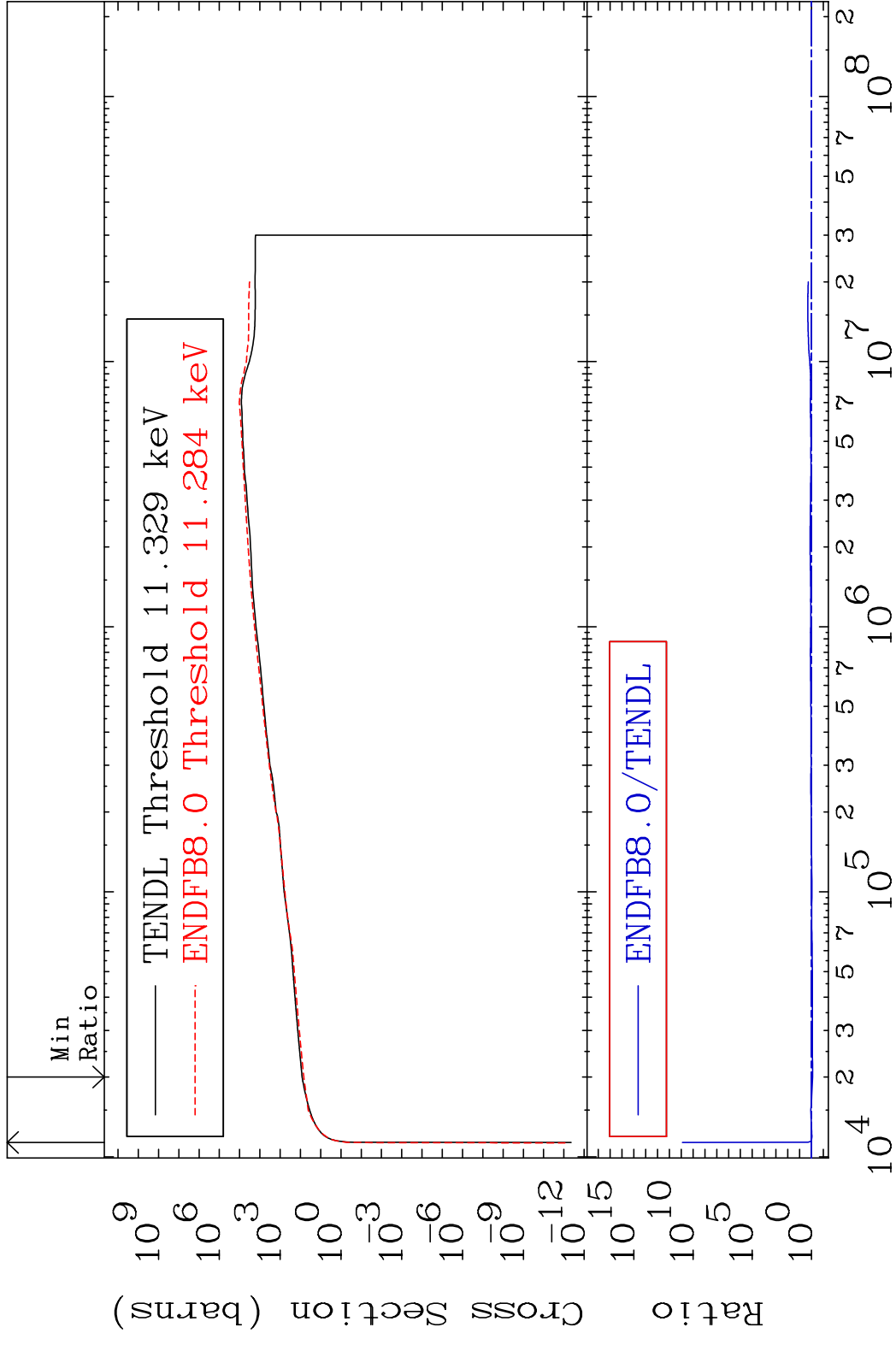


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Incident Energy (eV)

55-Cs-134

MAT 5528 Dpa inelastic (mt51-91) 55-Cs-134
 Cross Section -17.90 To 9999. %



MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
 Cross Section -97.75 To 9999. %

