

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

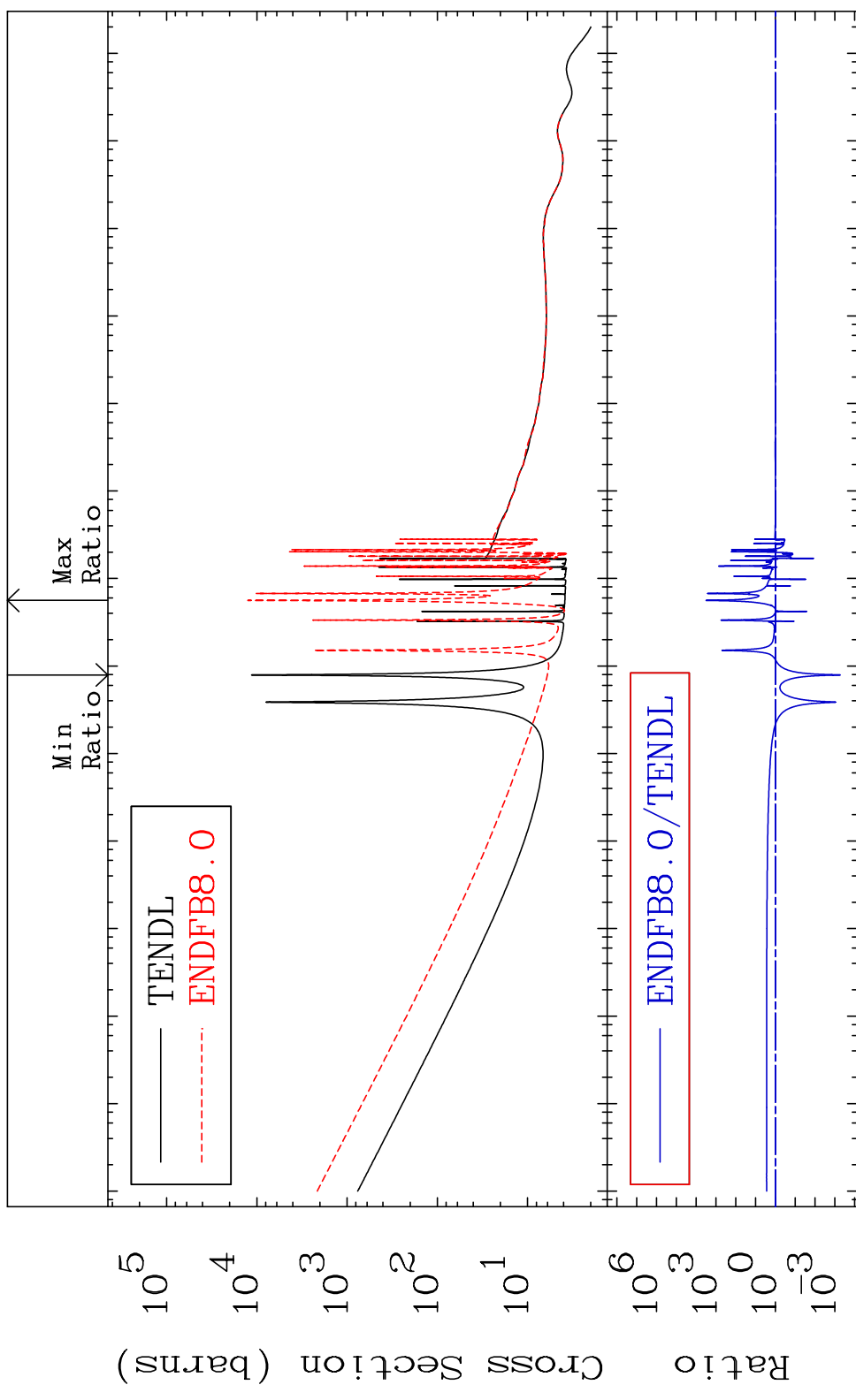
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5053

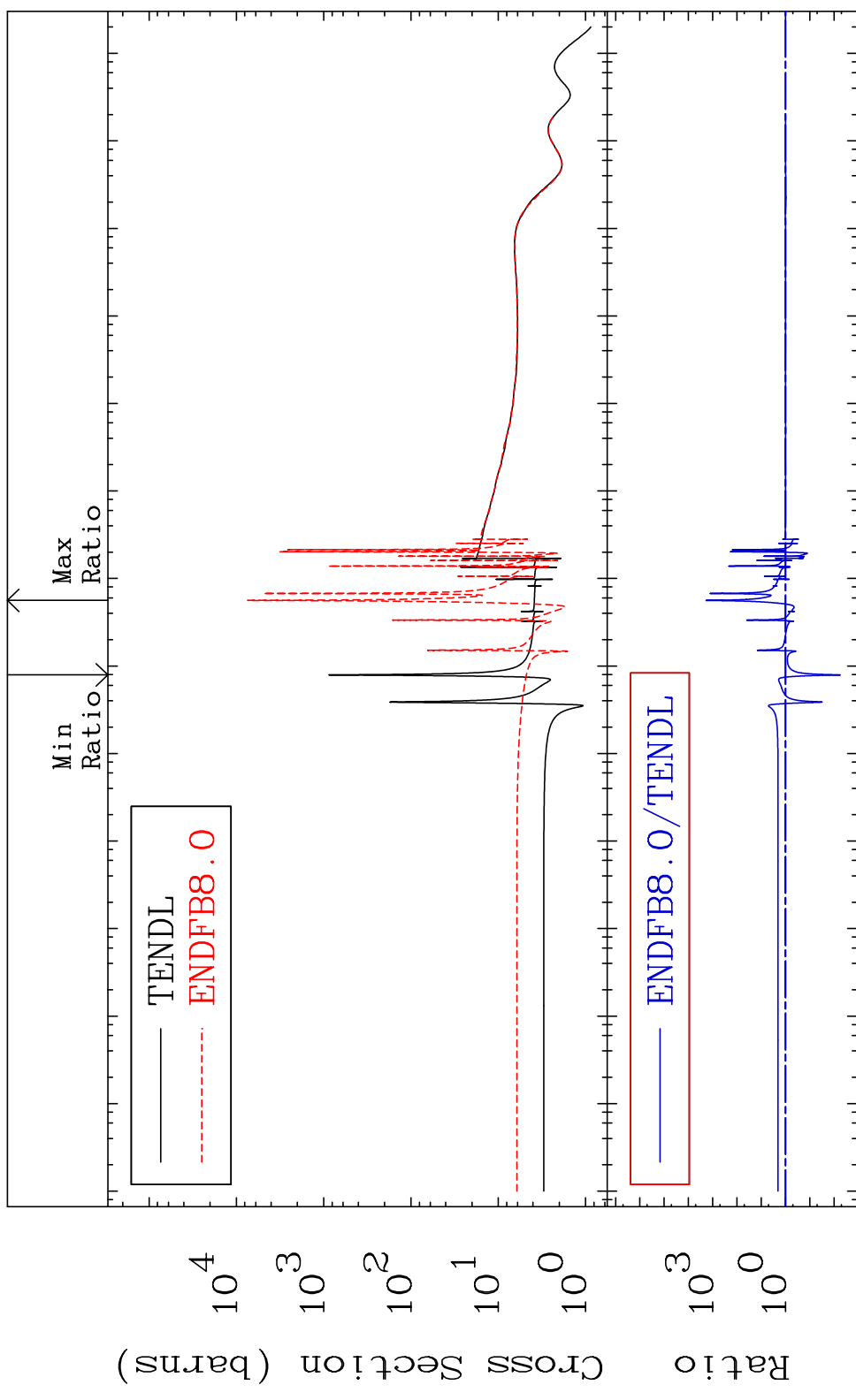
Total Cross Section -99.95 To 9999. %
50-Sn-121m



1 Incident Energy (eV) 50-Sn-121m

MAT 5053

Elastic Cross Section -99.45 To 9999. %
50-Sn-121m



Cross Section (barns)
10⁴
10³
10²
10¹
10⁰
Ratio
10³
10⁰

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

2 50-Sn-121m

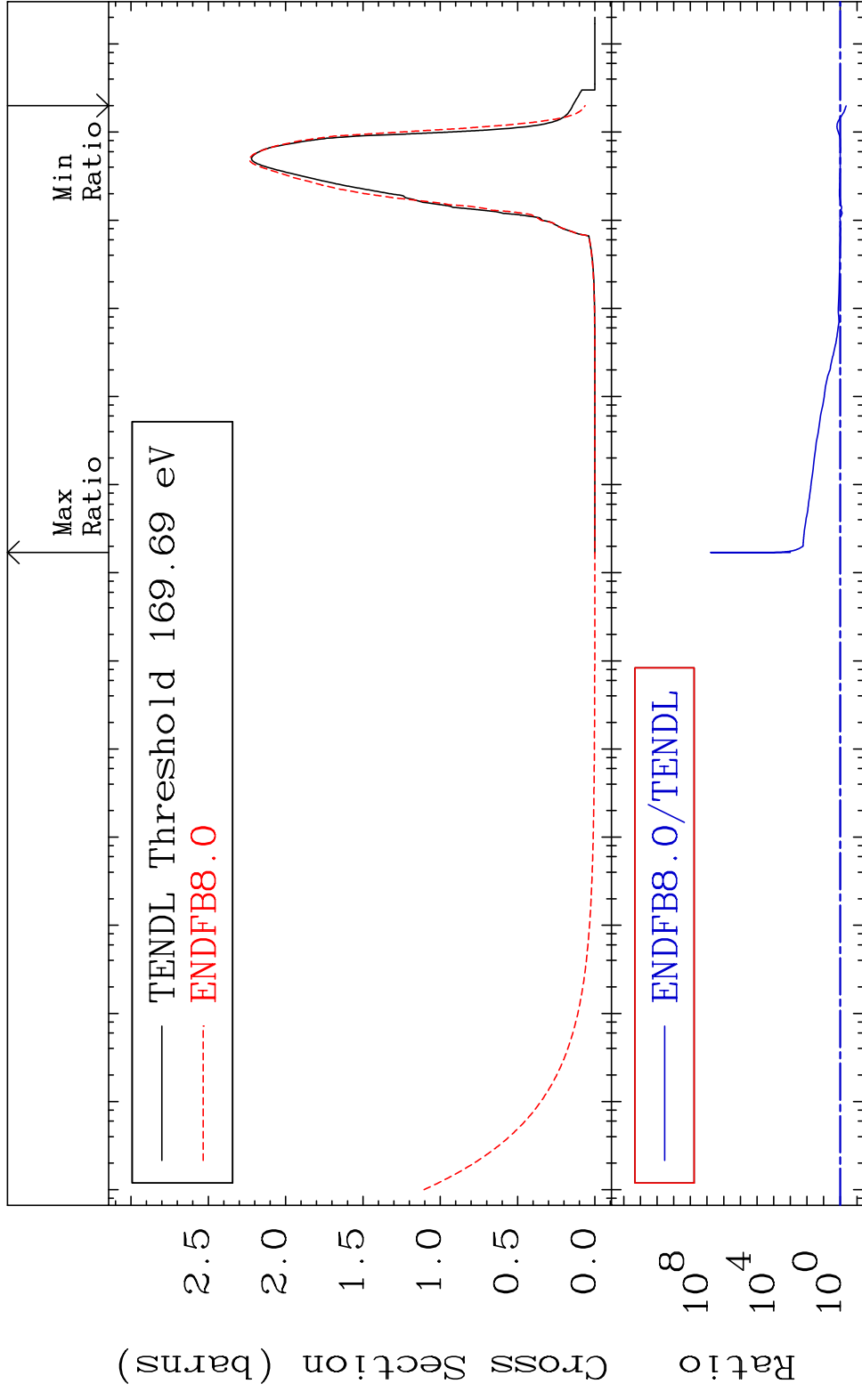
MAT 5053

Inelastic

50-Sn-121m

Cross Section

-56.42 To 9999. %

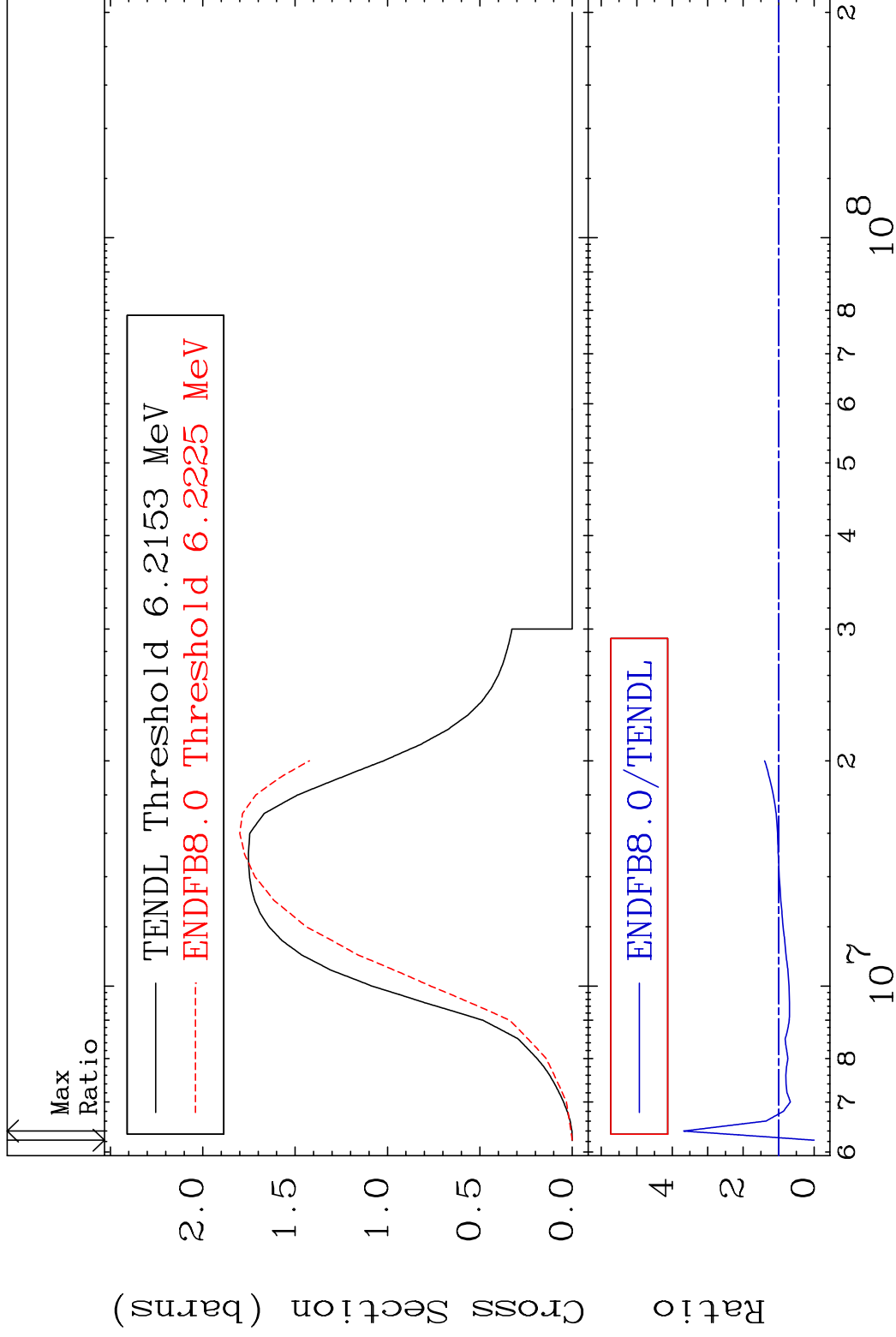


MAT 5053

(n,2n)

50-Sn-121m

Cross Section -100.0 To 267.8 %

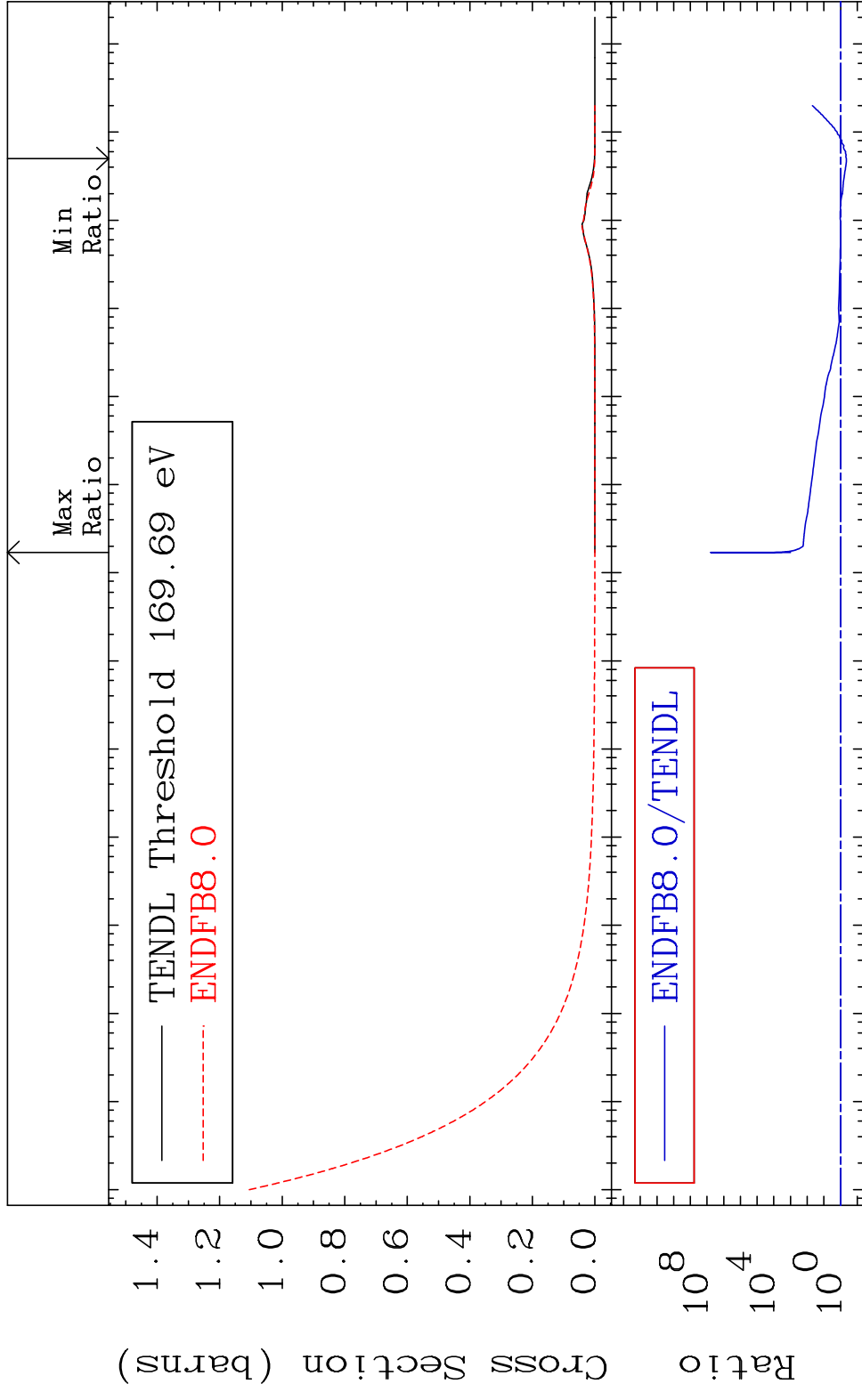


4

Incident Energy (eV)

50-Sn-121m

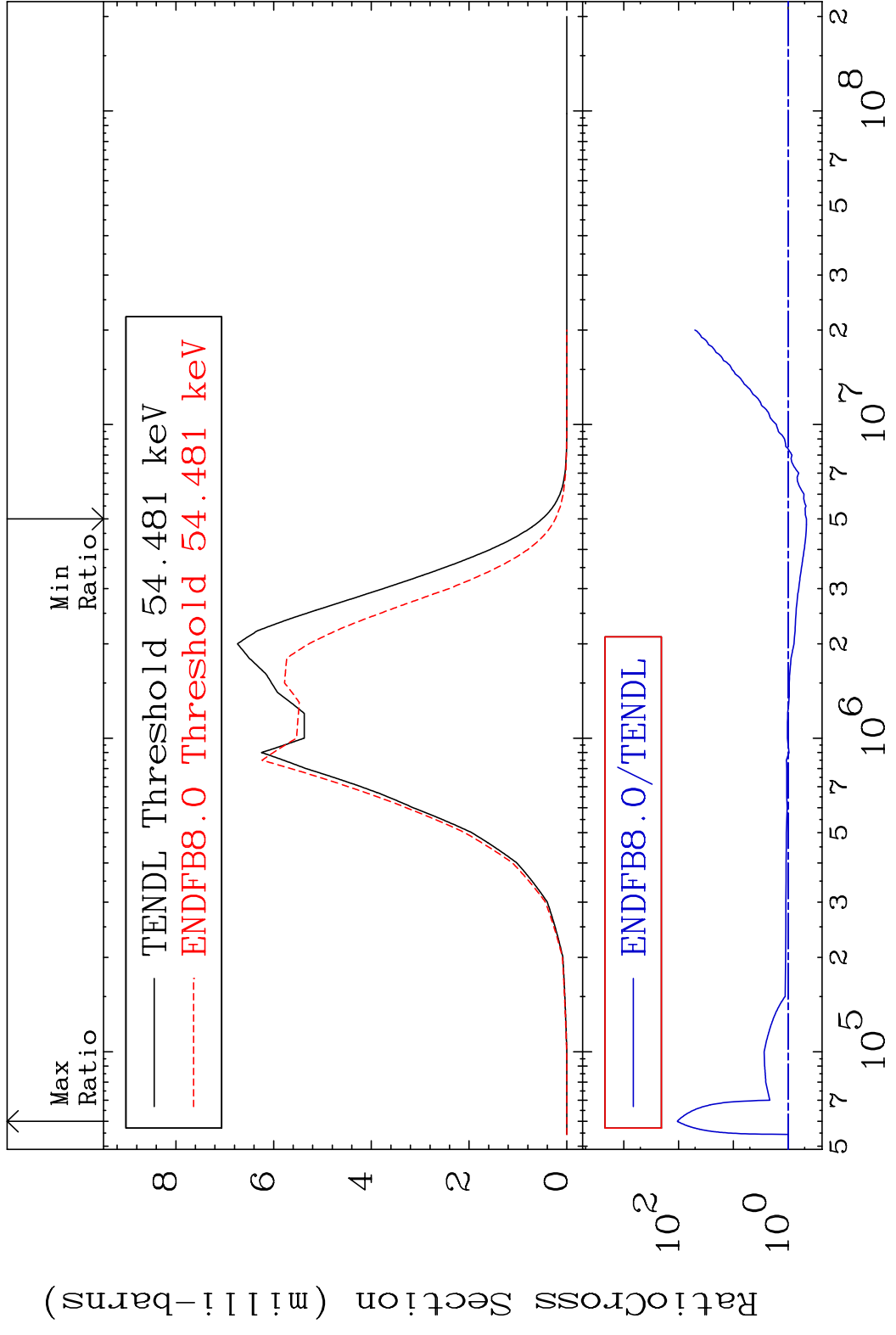
MAT 5053 MT= 51 (n,n') Level 50-Sn-121m
 Cross Section -54.80 To 9999. %



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

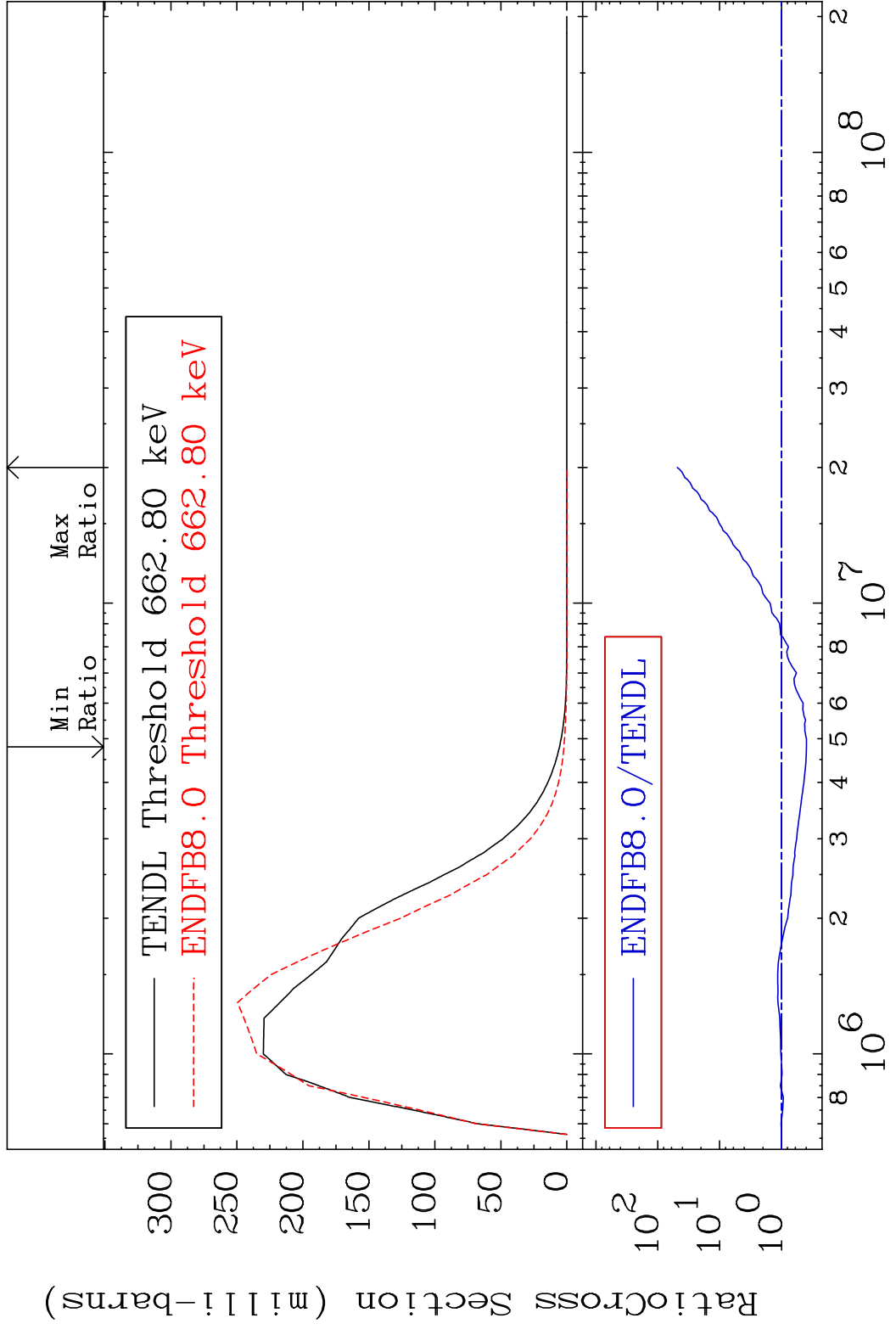
5 Incident Energy (eV) 50-Sn-121m

MAT 5053 MT= 52 (n, n') Level 50-Sn-121m
 Cross Section -53.63 To 9999. %



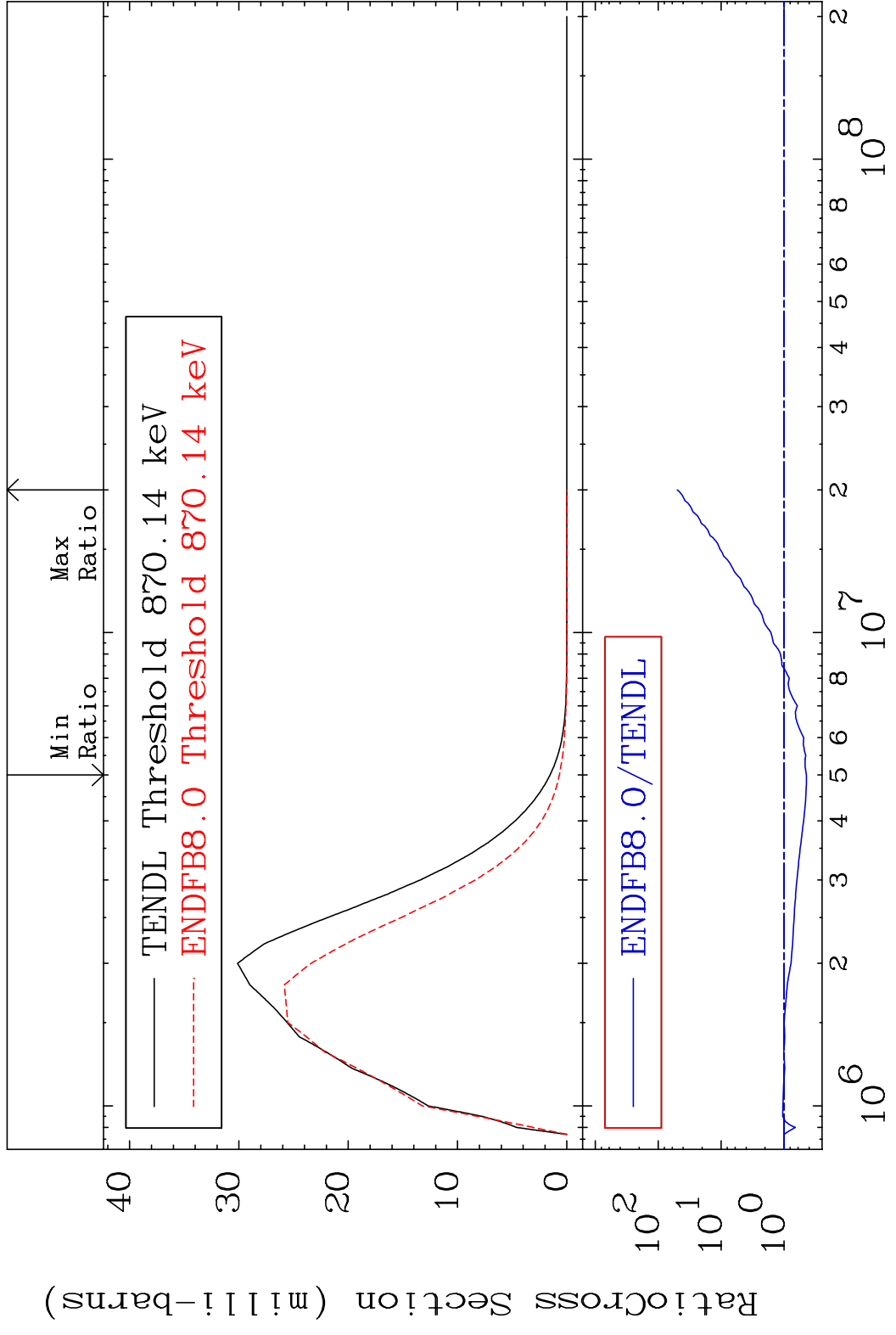
6 Incident Energy (eV) 50-Sn-121m

MAT 5053 MT= 53 (n, n') Level 50-Sn-121m
 Cross Section -60.37 To 4753. %



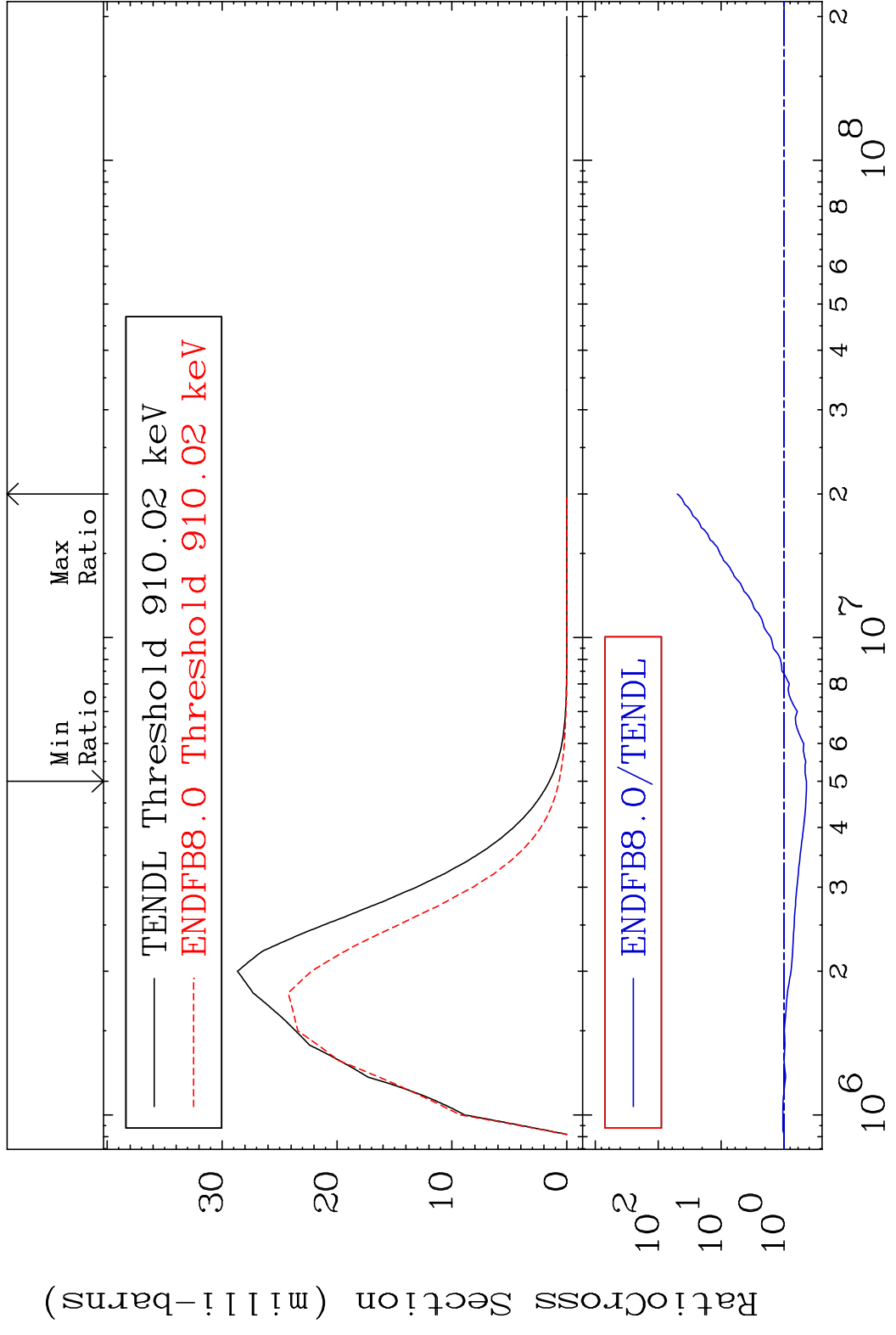
7 Incident Energy (eV) 50-Sn-121m

MAT 5053 MT= 54 (n, n') Level 50-Sn-121m
 Cross Section -55.81 To 4887. %



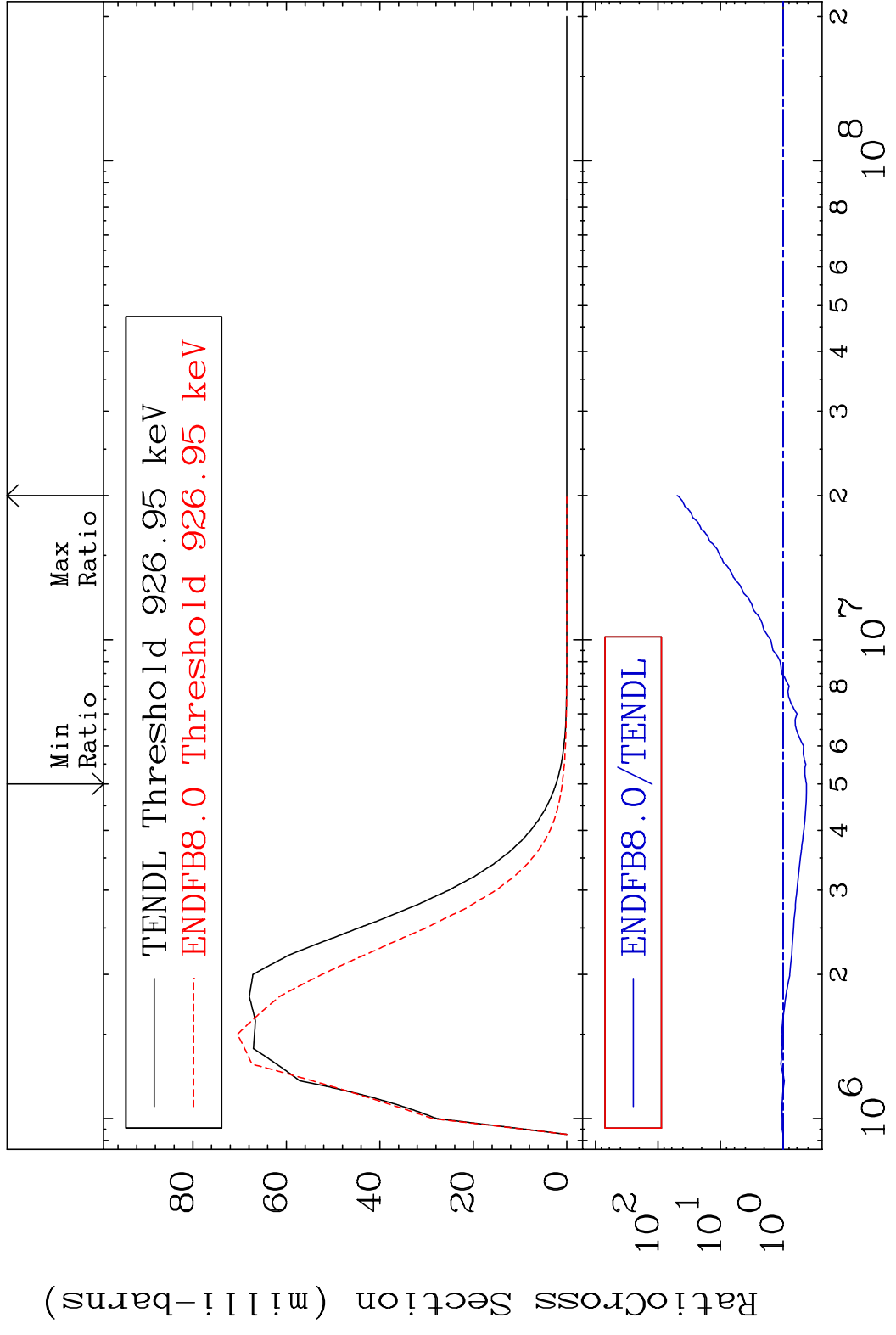
8 Incident Energy (eV) 50-Sn-121m

MAT 5053 MT= 55 (n, n') Level 50-Sn-121m
 Cross Section -55.78 To 4888. %



9 Incident Energy (eV) 50-Sn-121m

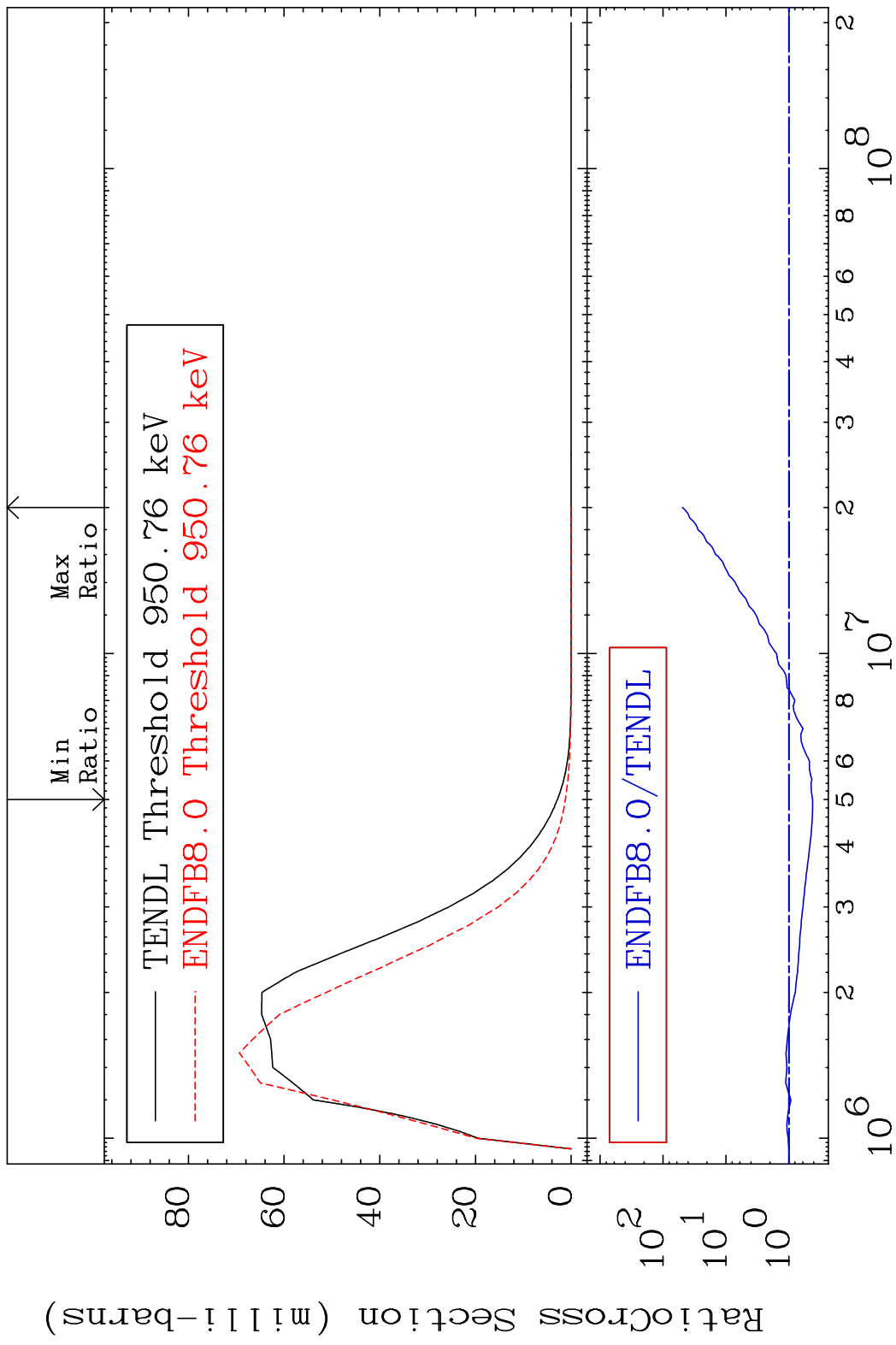
MAT 5053 MT= 56 (n, n') Level 50-Sn-121m
 Cross Section -57.66 To 4830. %



10 10⁶ 10⁷ 10⁸ 2 3 4 5 6 8

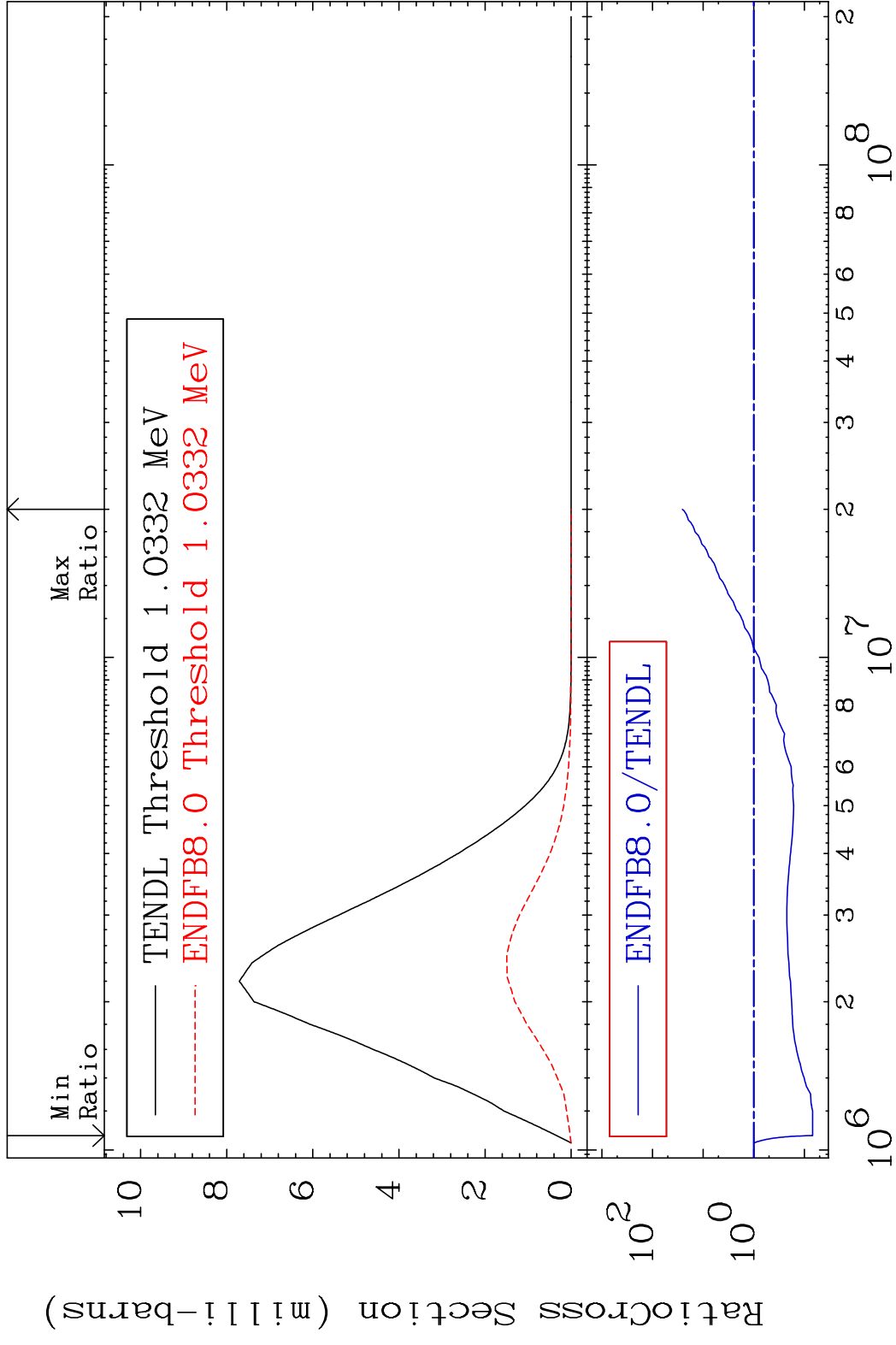
50-Sn-121m

MAT 5053 MT= 57 (n, n') Level 50-Sn-121m
 Cross Section -58.06 To 4830. %

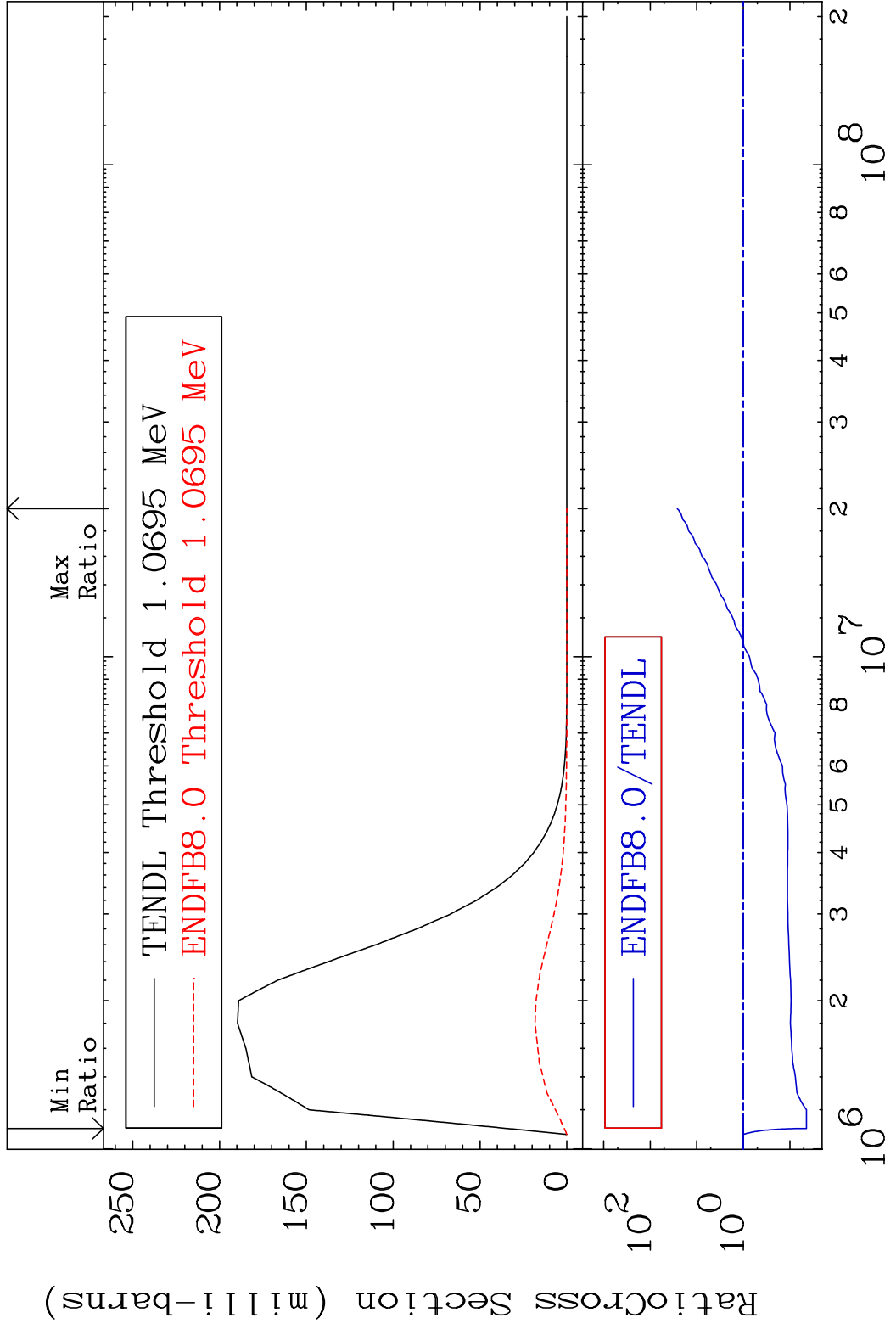


11 Incident Energy (eV) 50-Sn-121m

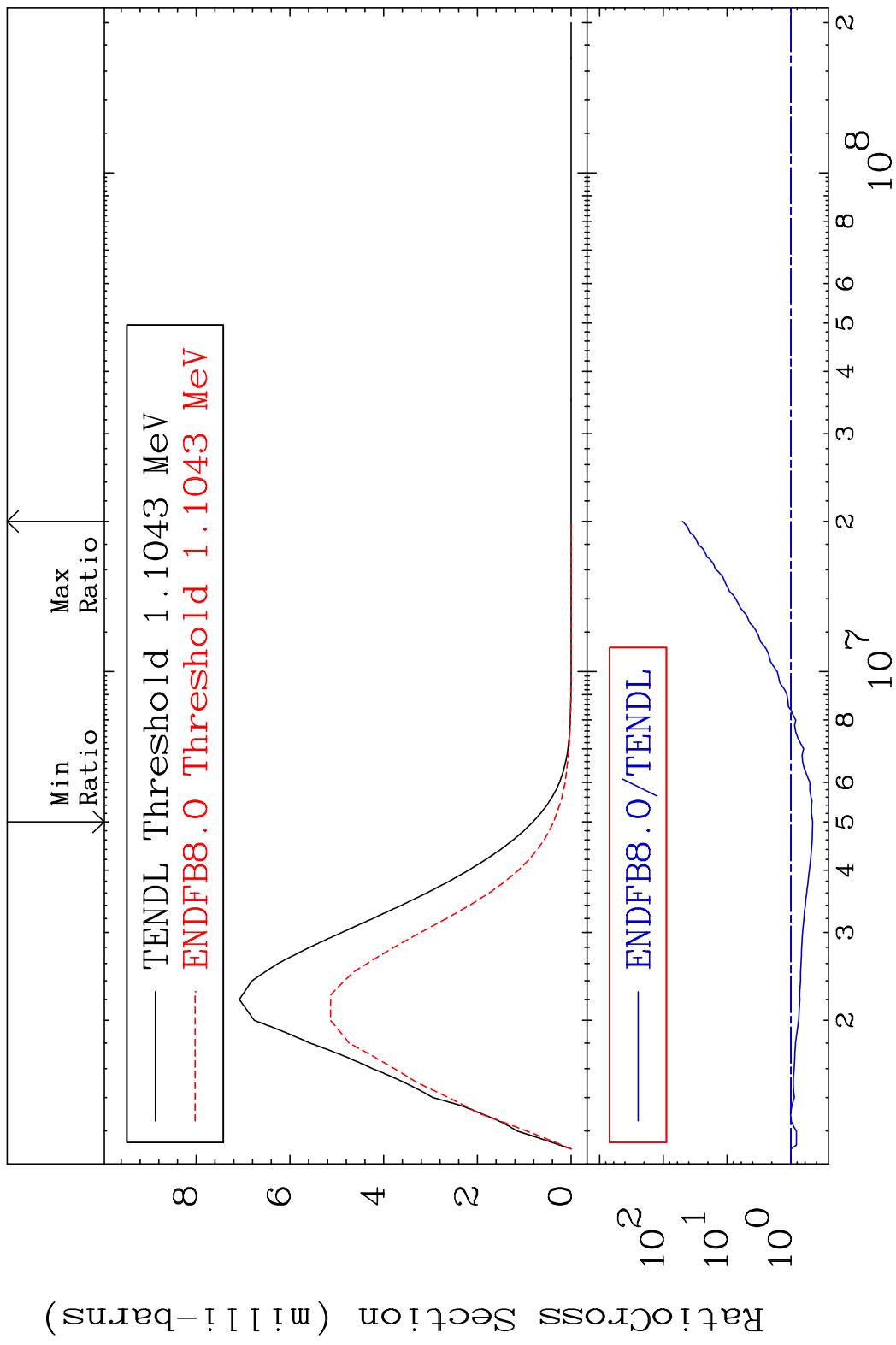
MAT 5053 MT= 58 (n, n') Level 50-Sn-121m
 Cross Section -93.12 To 2467. %



MAT 5053 MT= 59 (n, n') Level 50-Sn-121m
 Cross Section -95.60 To 2531. %

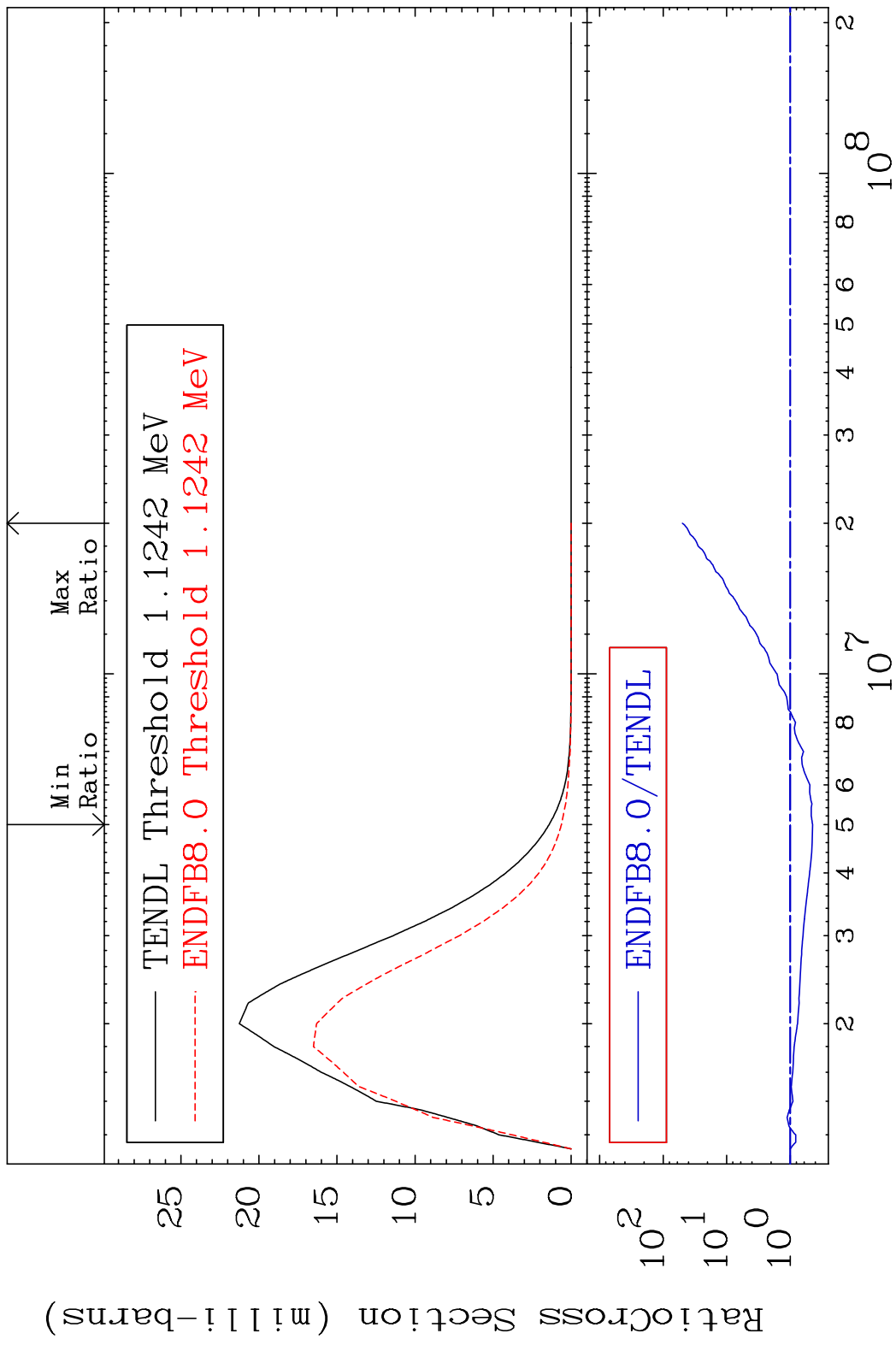


MAT 5053 MT= 60 (n, n') Level 50-Sn-121m
 Cross Section -54.10 To 4933. %



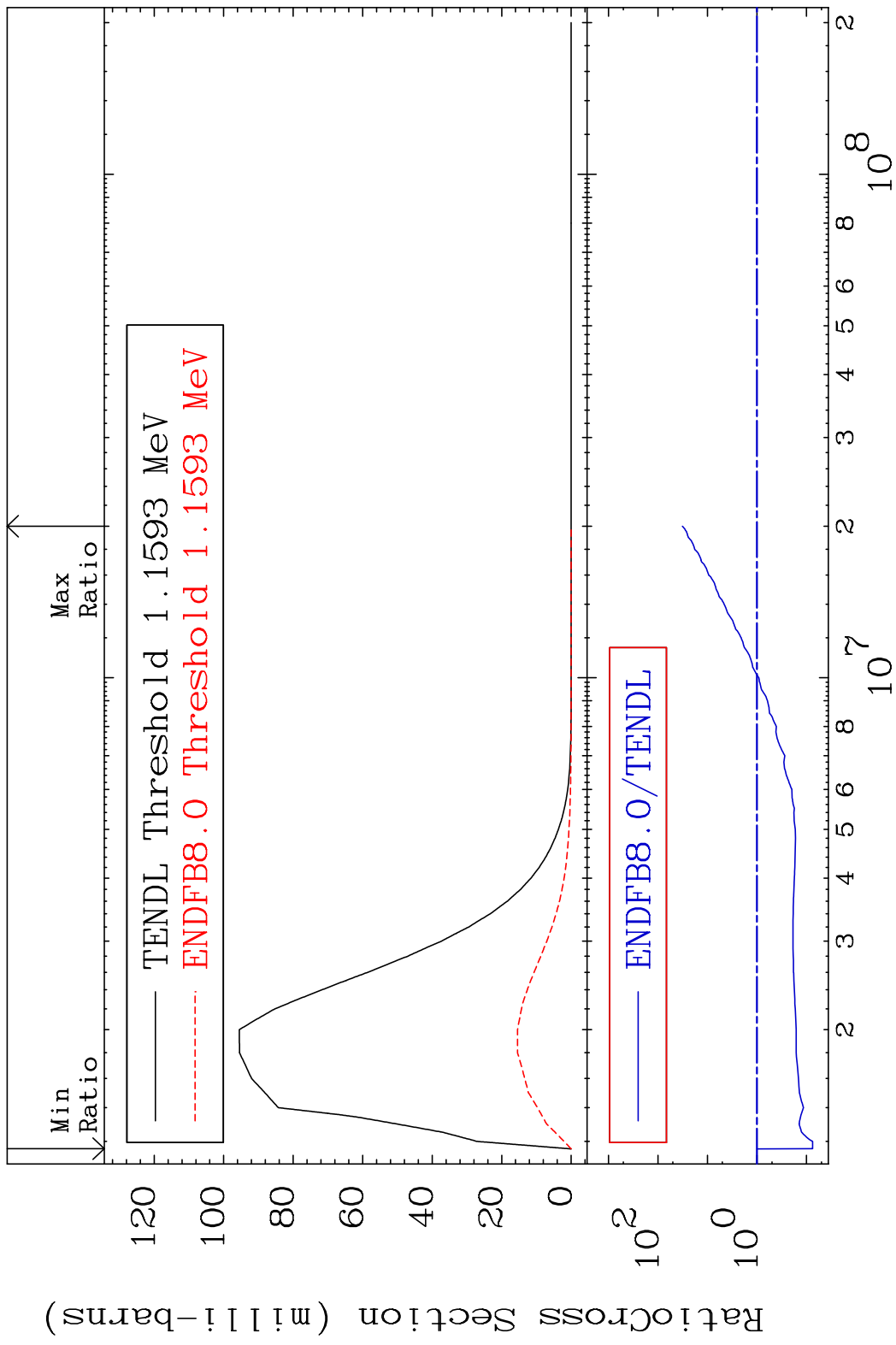
14 Incident Energy (eV) 50-Sn-121m

MAT 5053 MT= 61 (n, n') Level 50-Sn-121m
 Cross Section -55.59 To 4891. %

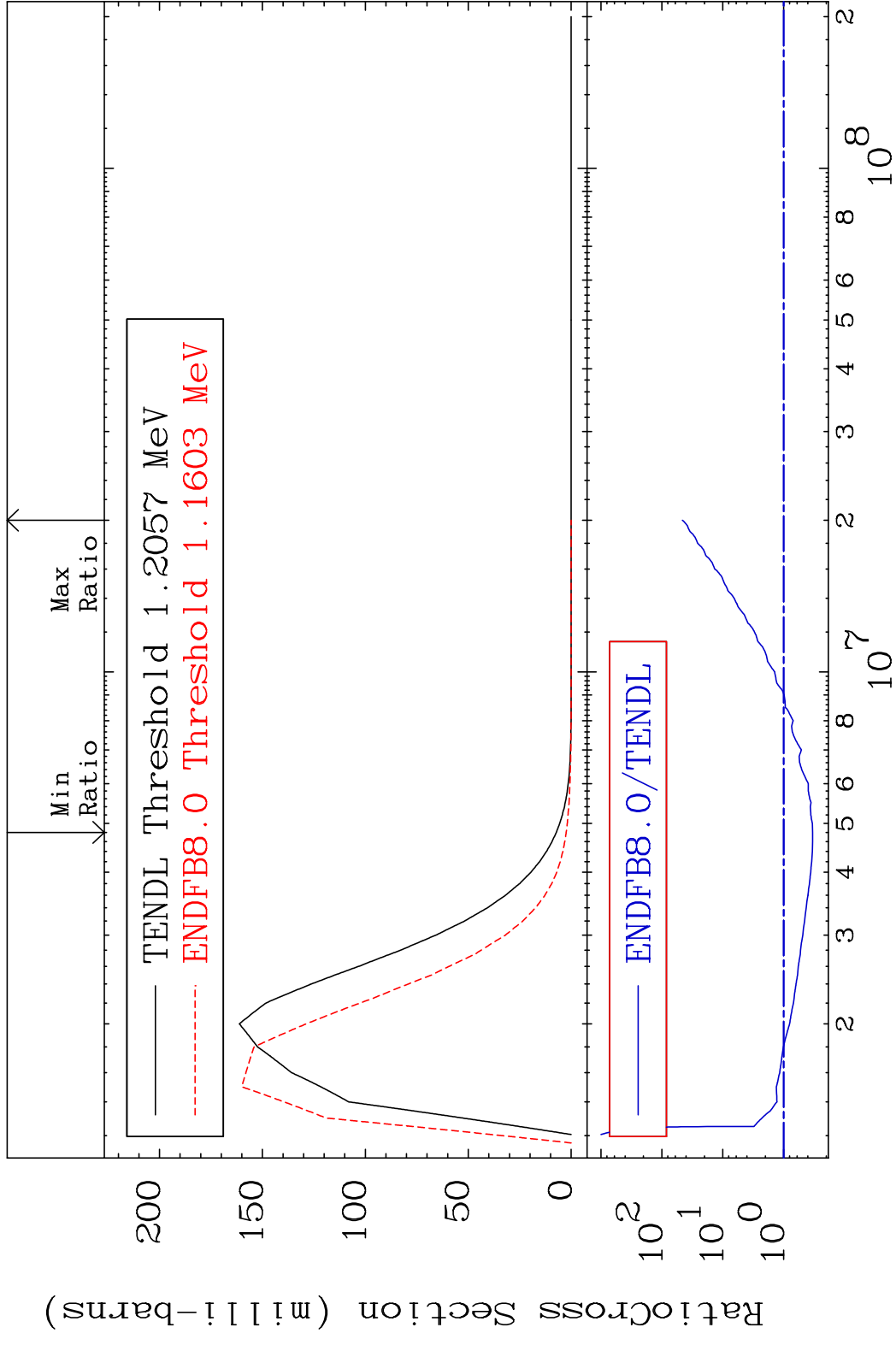


15 Incident Energy (eV) 50-Sn-121m

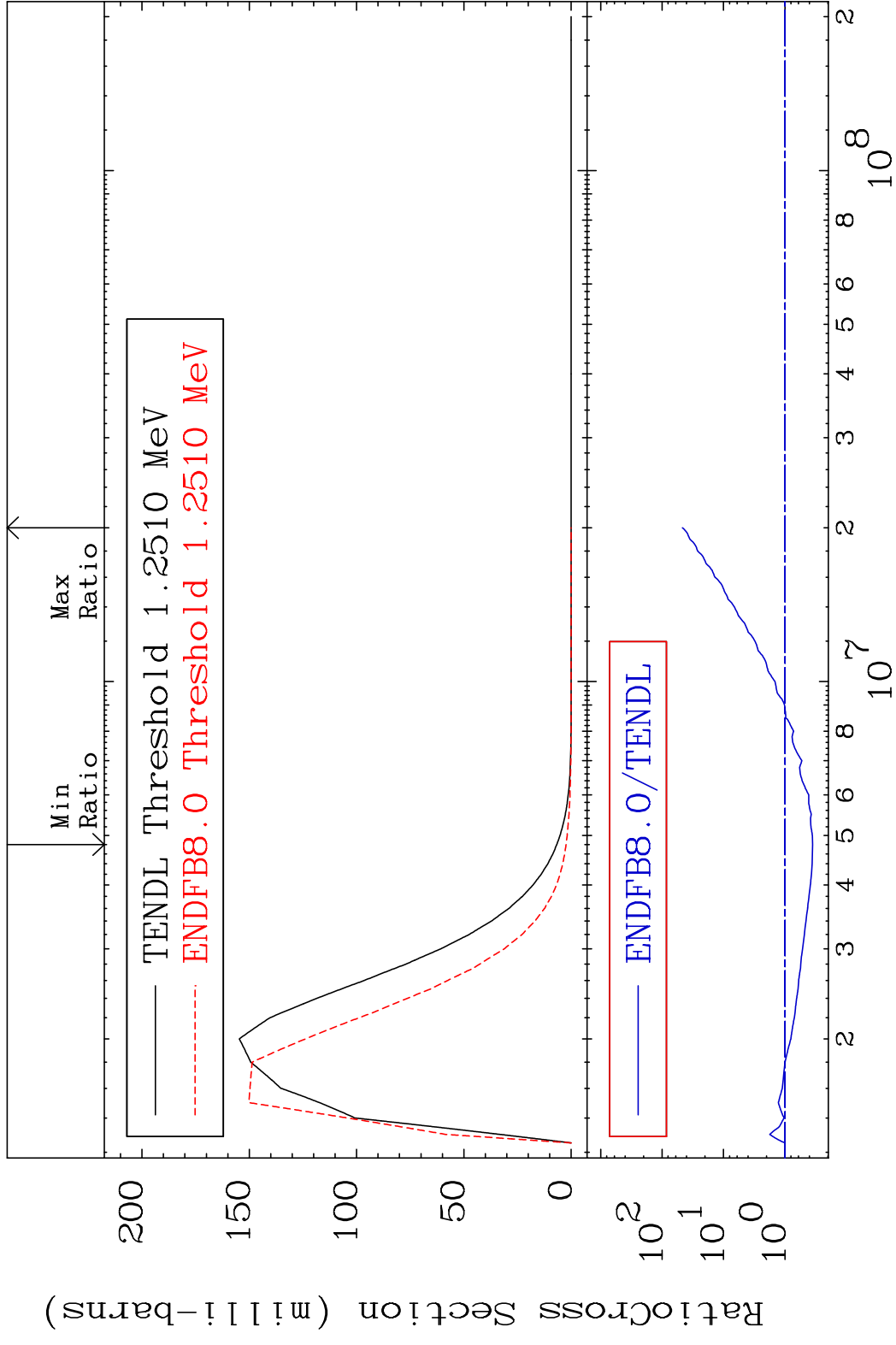
MAT 5053 MT= 62 (n, n') Level 50-Sn-121m
 Cross Section -92.45 To 3121. %



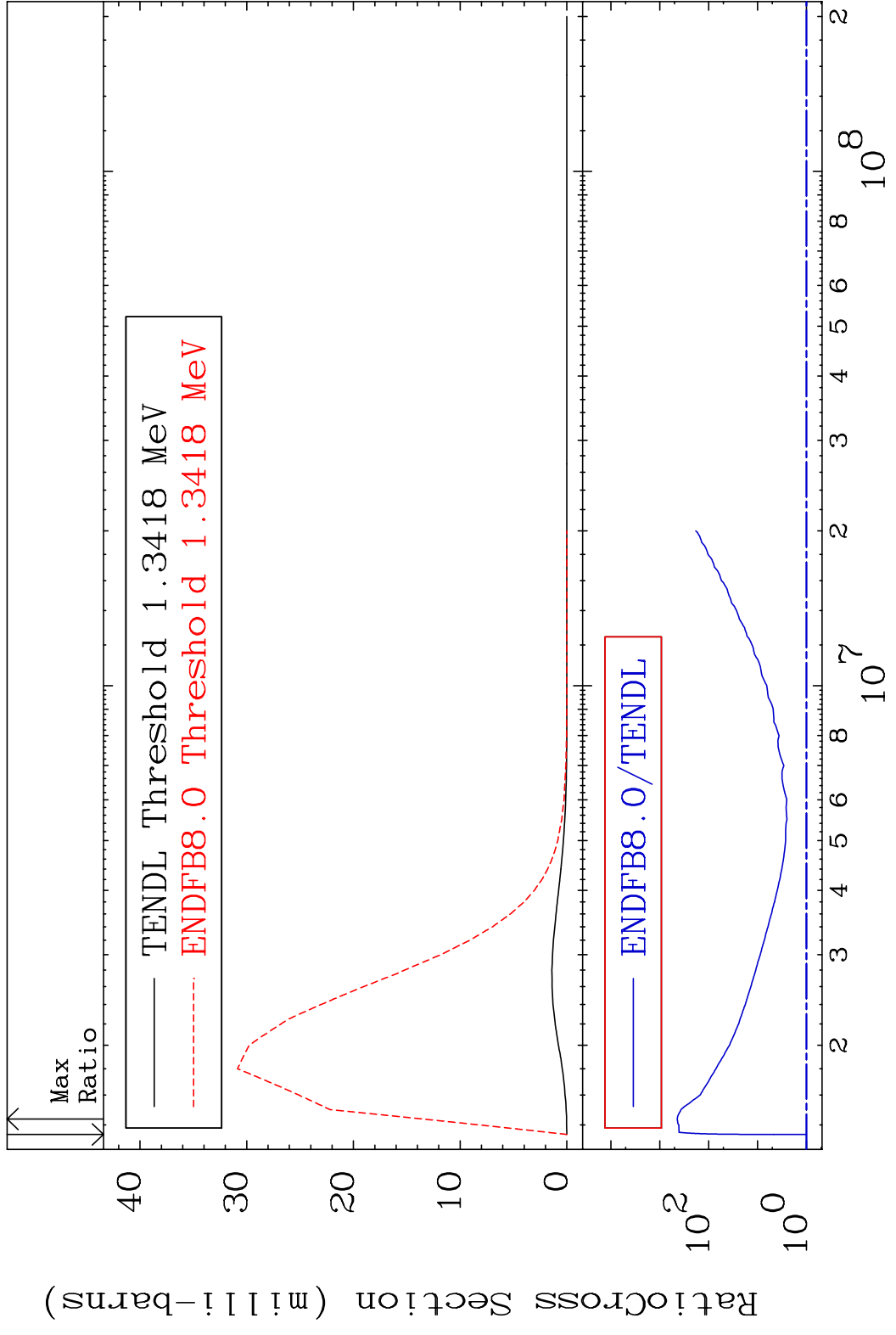
MAT 5053 MT= 63 (n, n') Level 50-Sn-121m
 Cross Section -66.47 To 4503. %



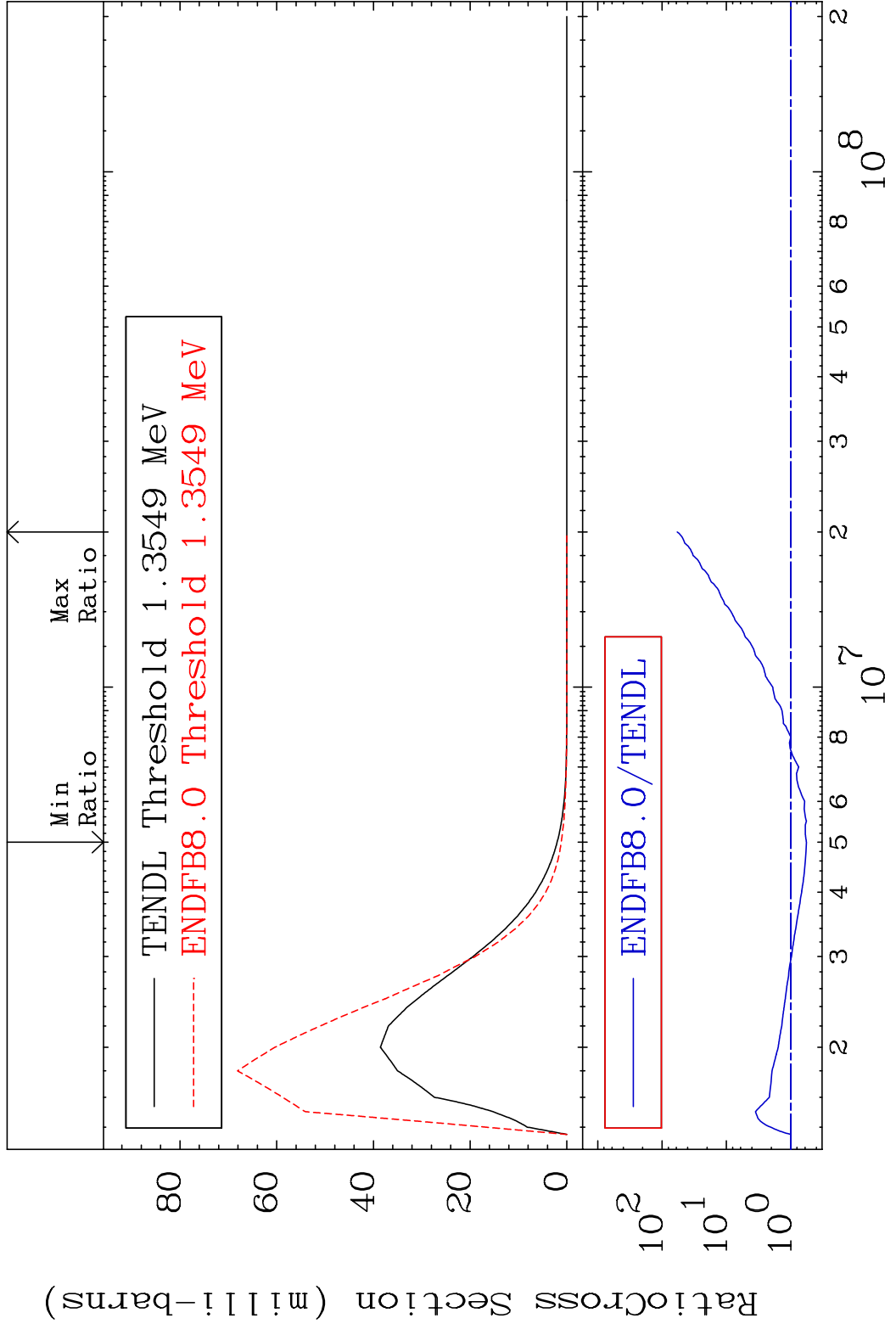
MAT 5053 MT= 64 (n, n') Level 50-Sn-121m
 Cross Section -64.53 To 4586. %



MAT 5053 MT= 65 (n,n') Level 50-Sn-121m
 Cross Section 0.000 To 9999. %

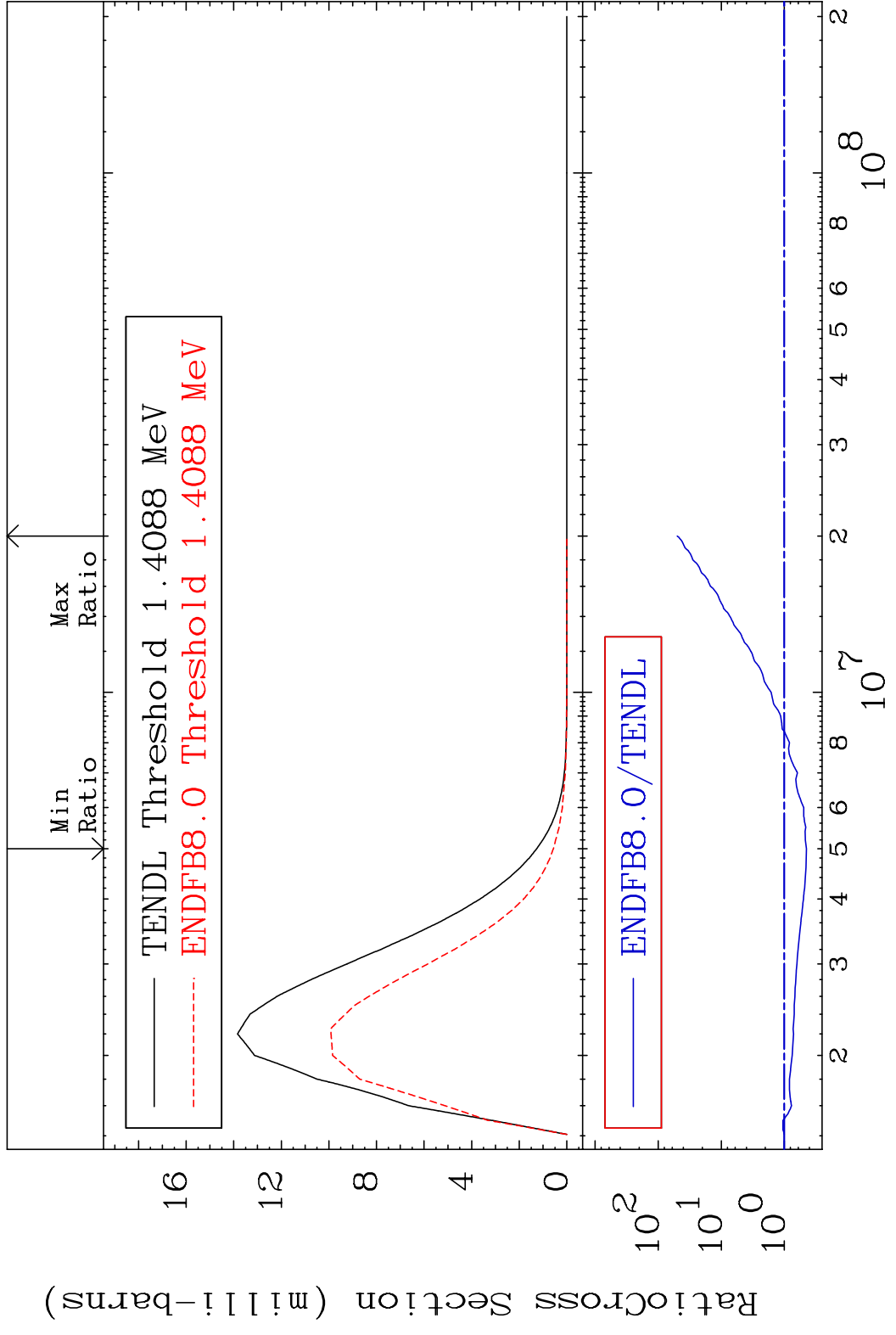


MAT 5053 MT= 66 (n, n') Level 50-Sn-121m
 Cross Section -42.92 To 5719. %

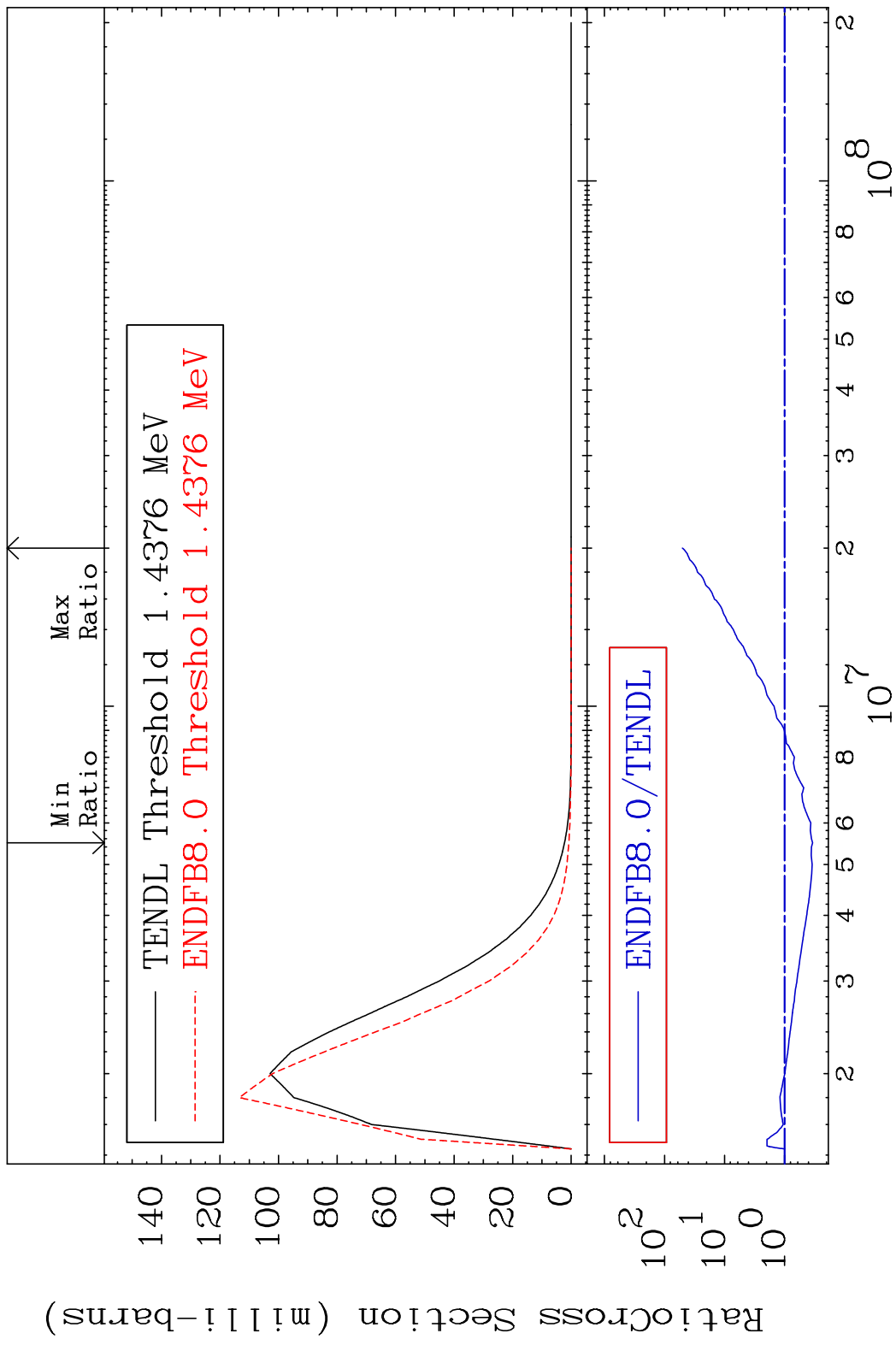


20 Incident Energy (eV) 50-Sn-121m

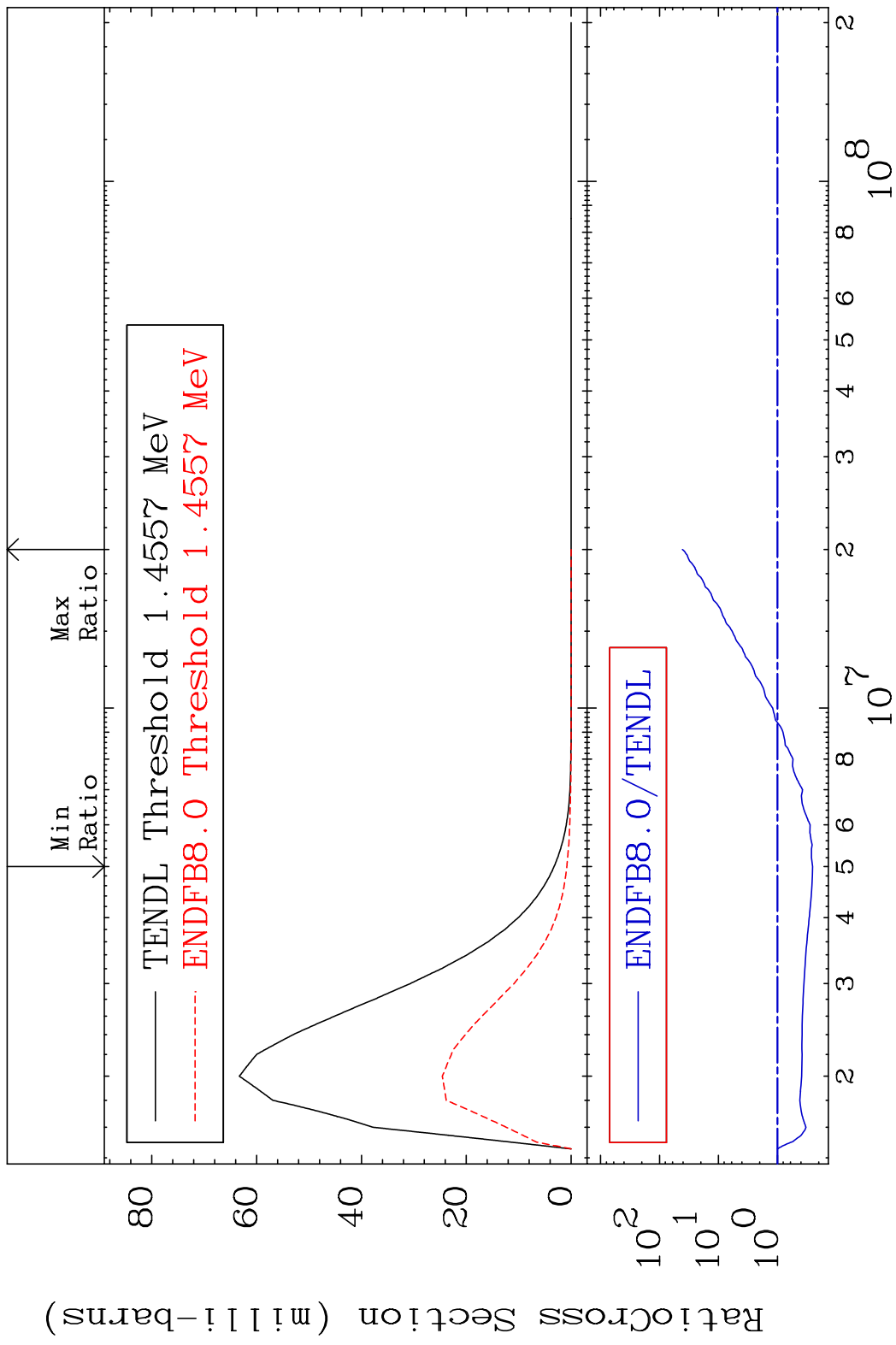
MAT 5053 MT= 67 (n, n') Level 50-Sn-121m
 Cross Section -55.29 To 4895. %



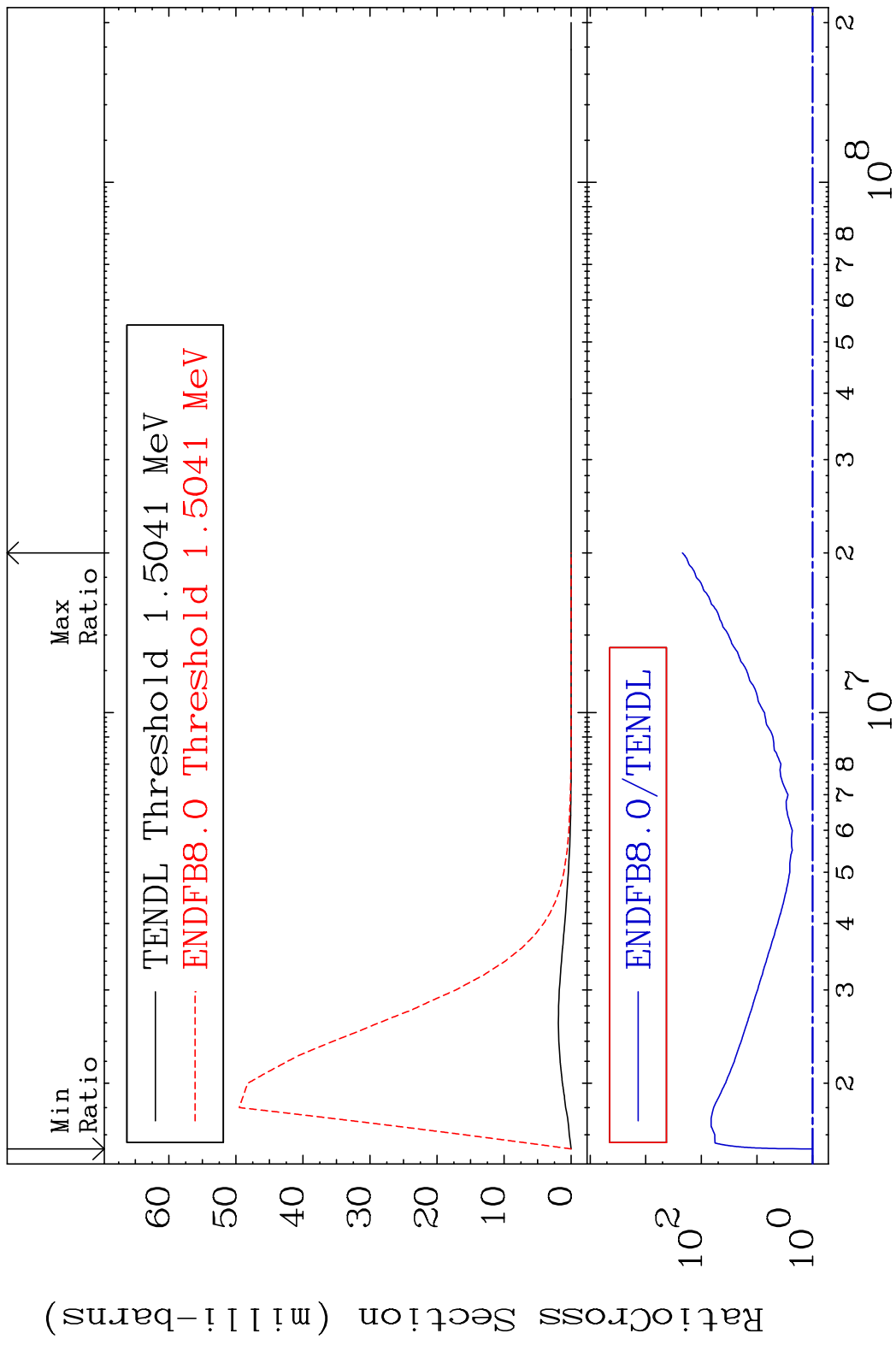
MAT 5053 MT= 68 (n,n') Level 50-Sn-121m
 Cross Section -65.82 To 4946. %



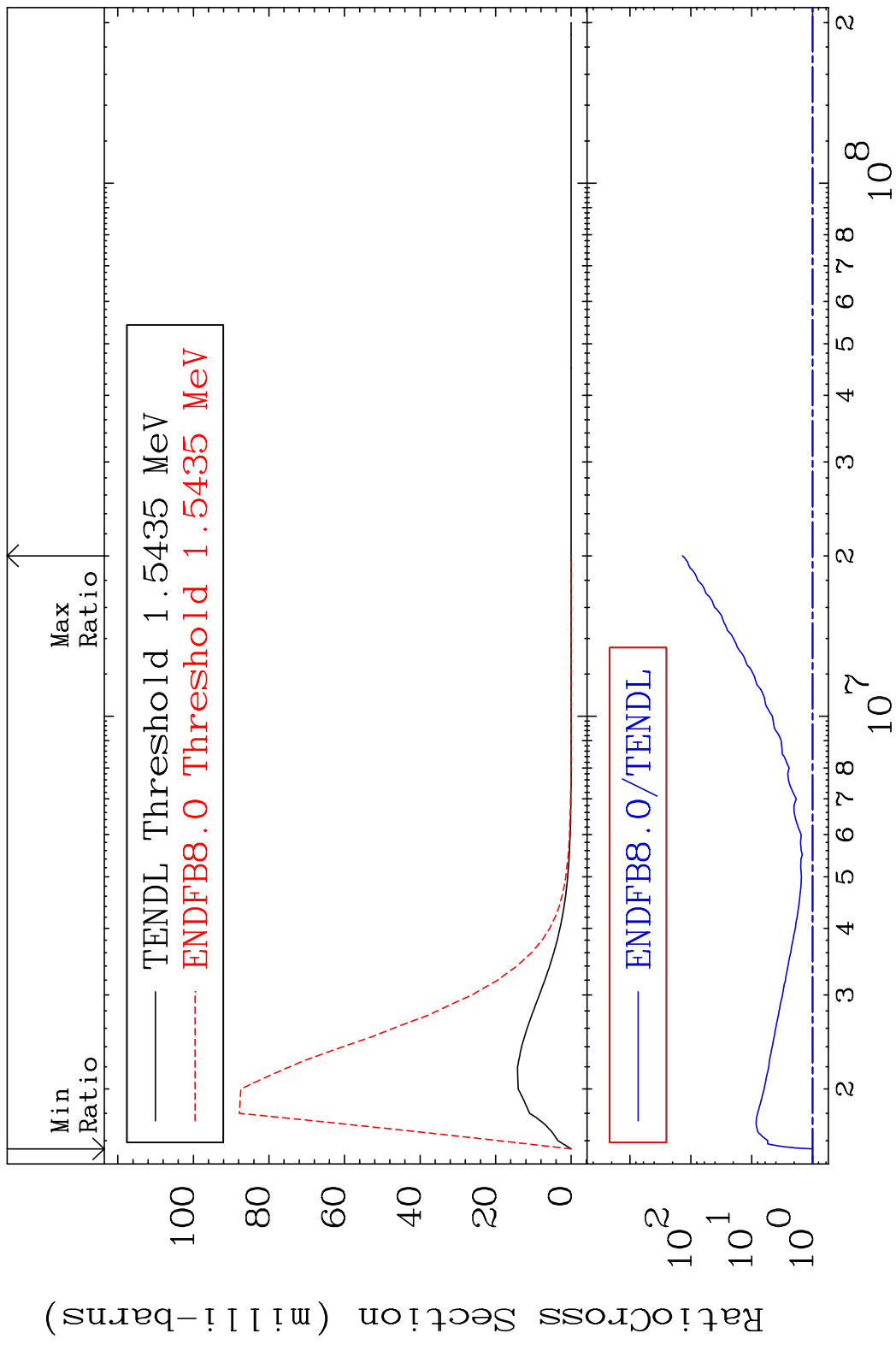
MAT 5053 MT= 69 (n, n') Level 50-Sn-121m
 Cross Section -74.62 To 4006. %



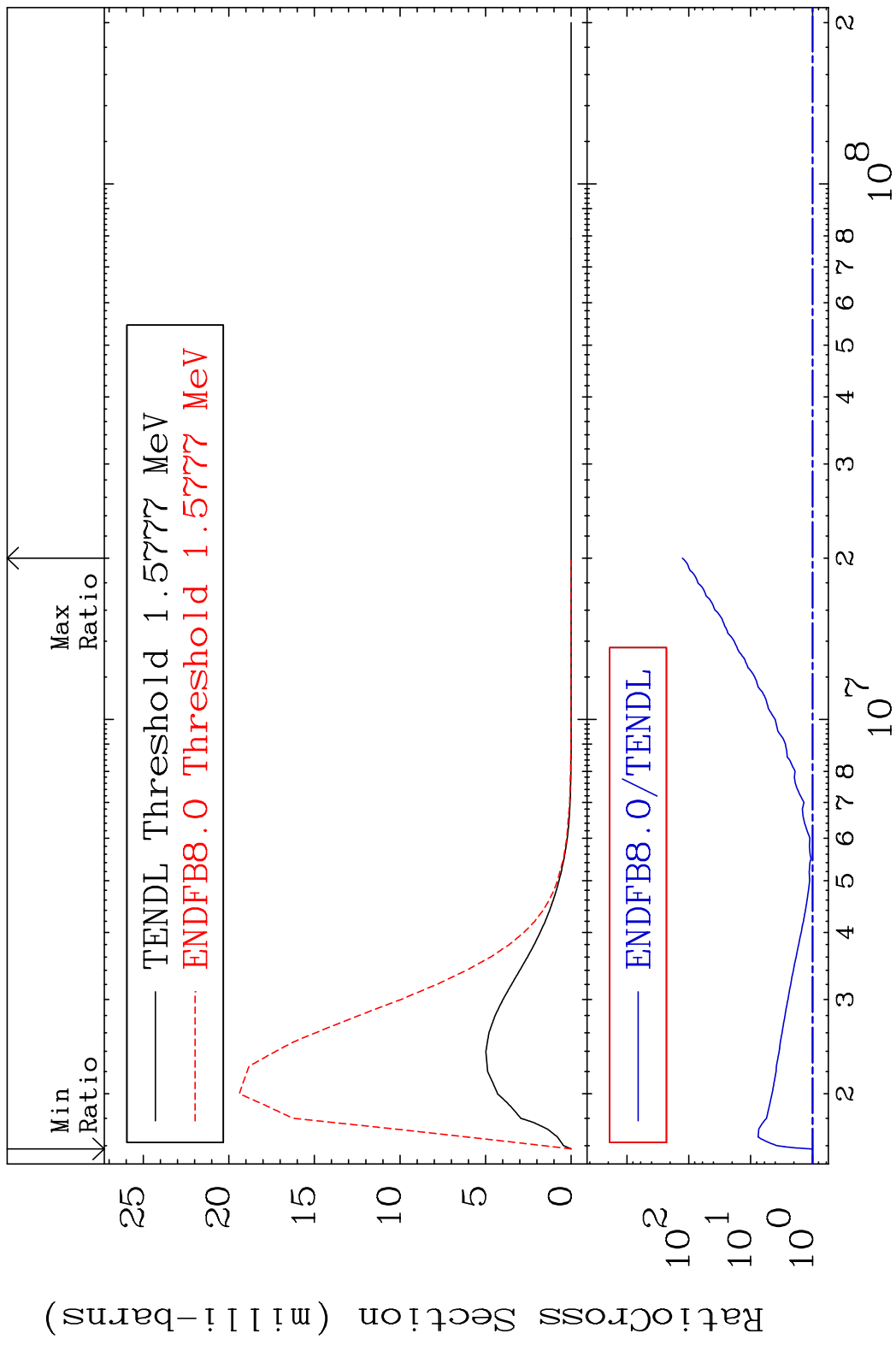
MAT 5053 MT= 70 (n,n') Level 50-Sn-121m
 Cross Section 0.000 To 9999. %



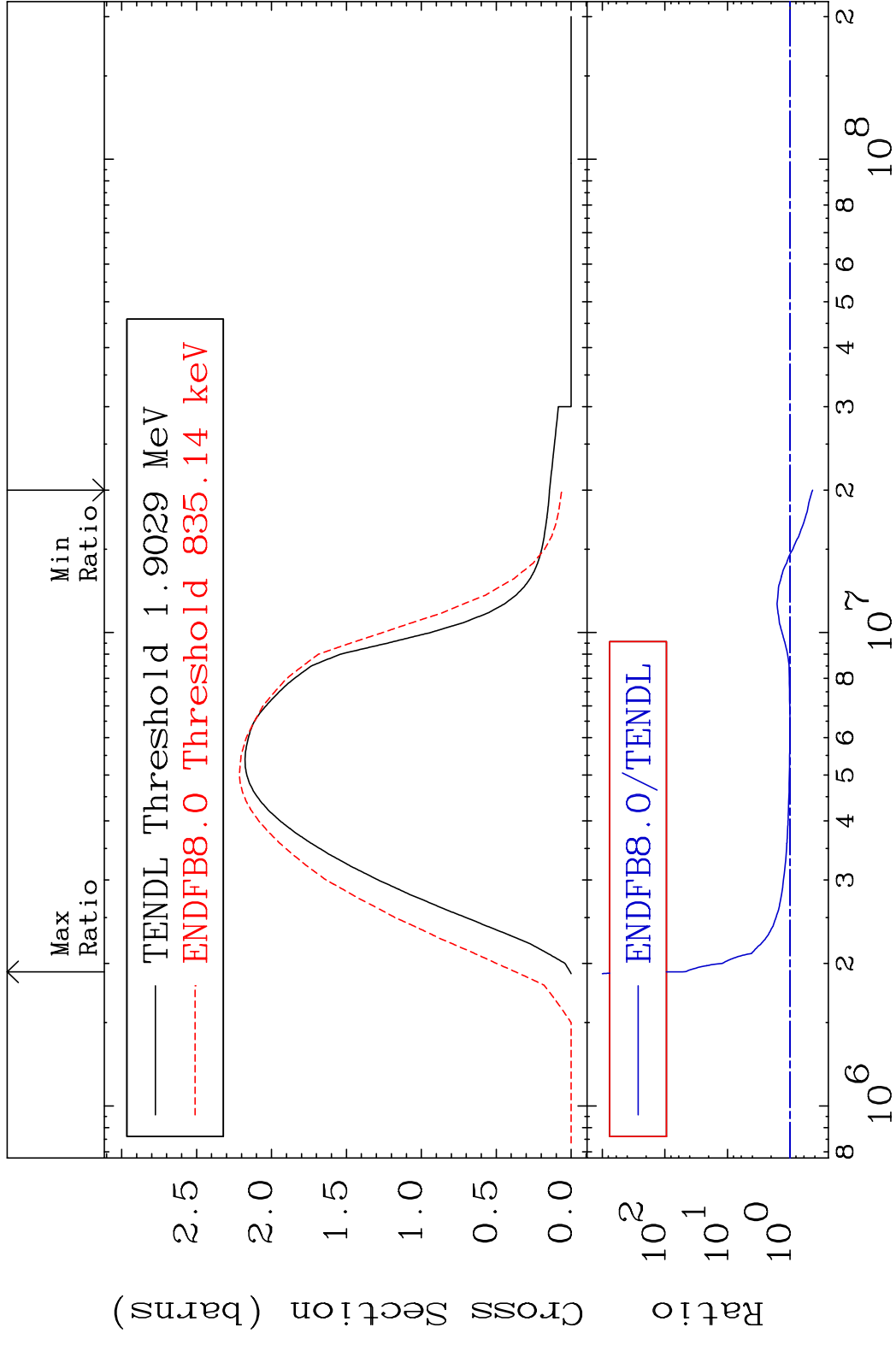
MAT 5053 MT= 71 (n, n') Level 50-Sn-121m
 Cross Section 0.000 To 9999. %



MAT 5053 MT= 72 (n, n') Level 50-Sn-121m
 Cross Section 0.000 To 9999. %

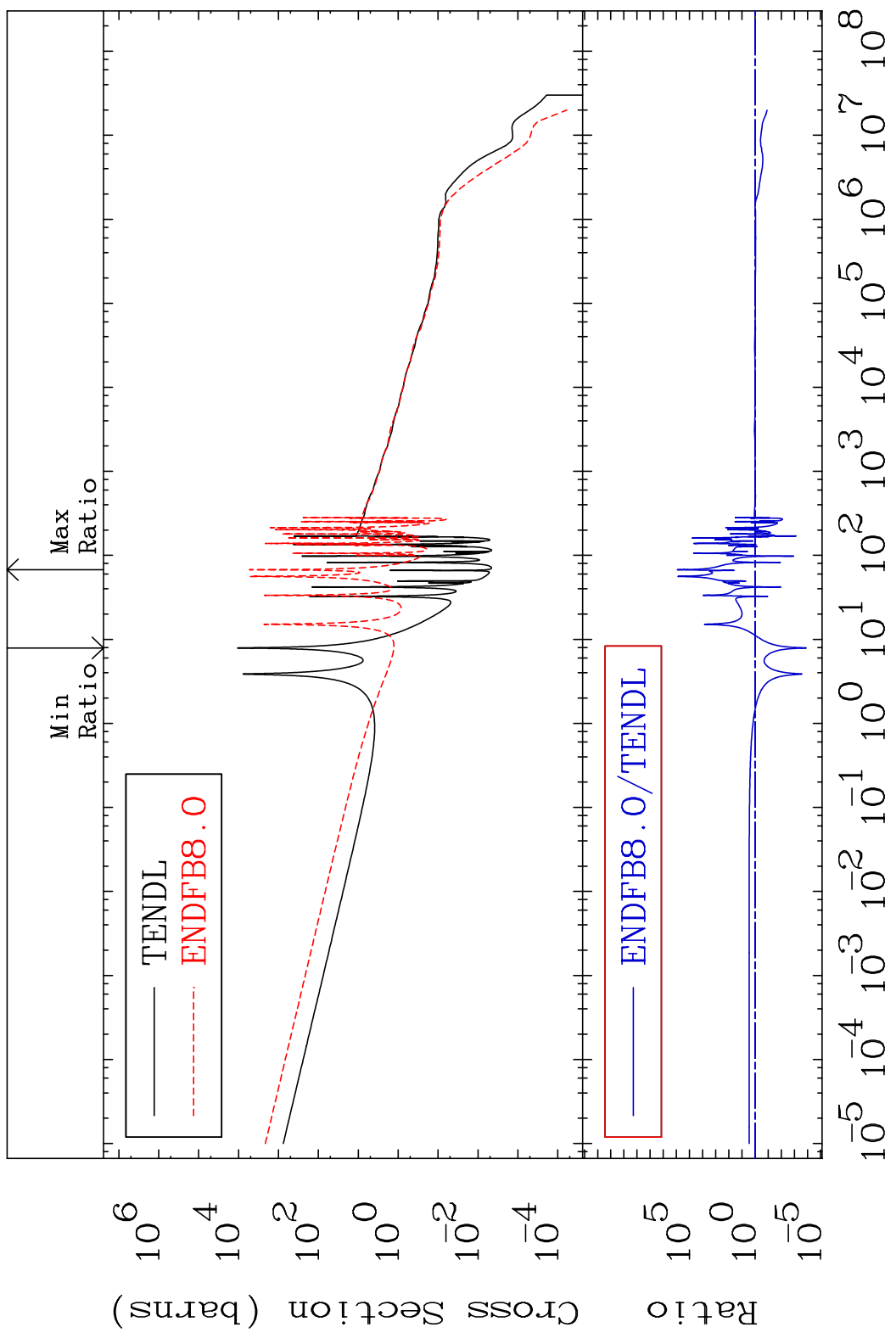


MAT 5053 (n, n') Continuum 50-Sn-121m
 Cross Section -56.42 To 5154. %



MAT 5053

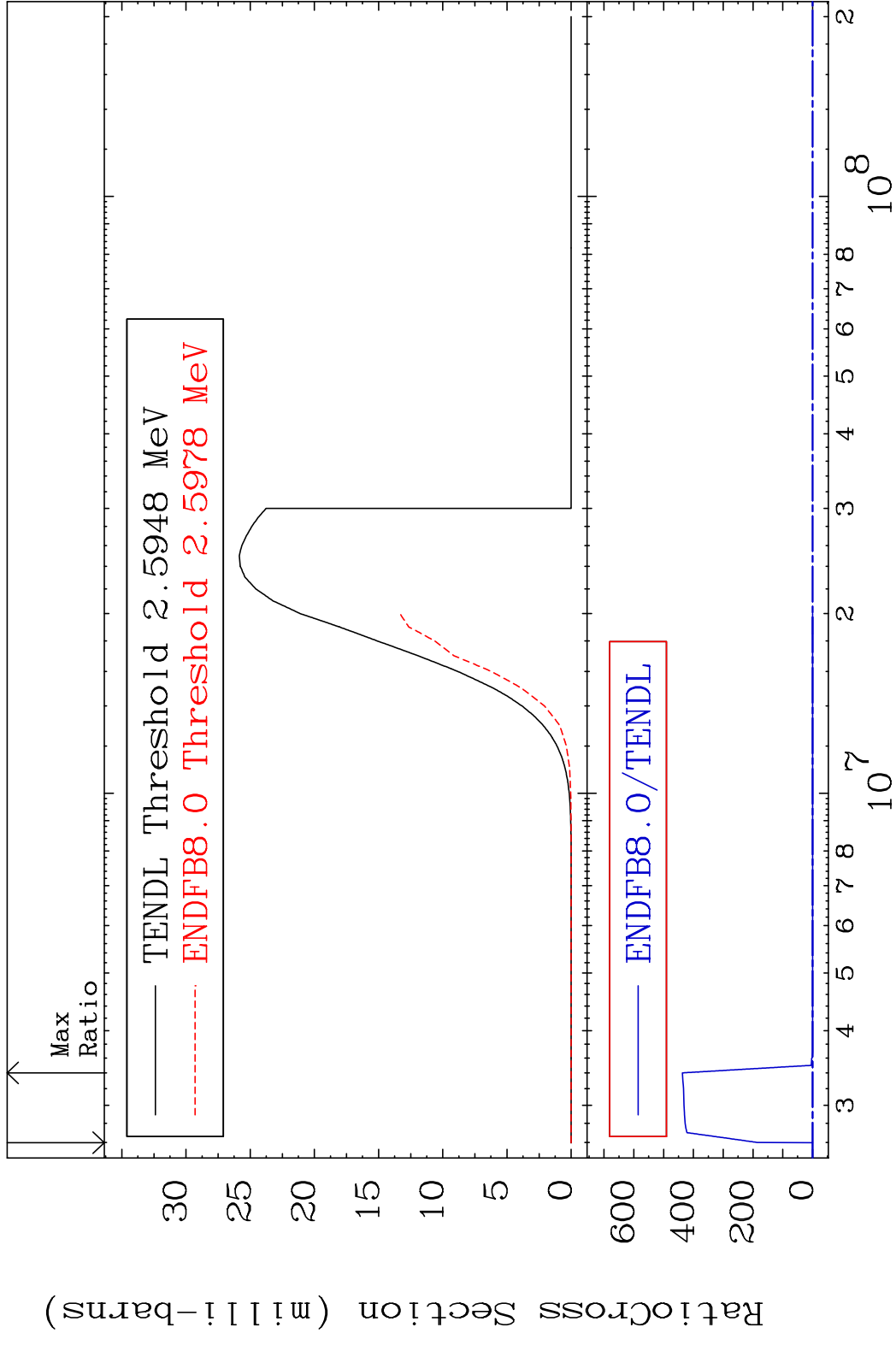
(n, γ)
Cross Section -99.99 To 9999. %
50-Sn-121m



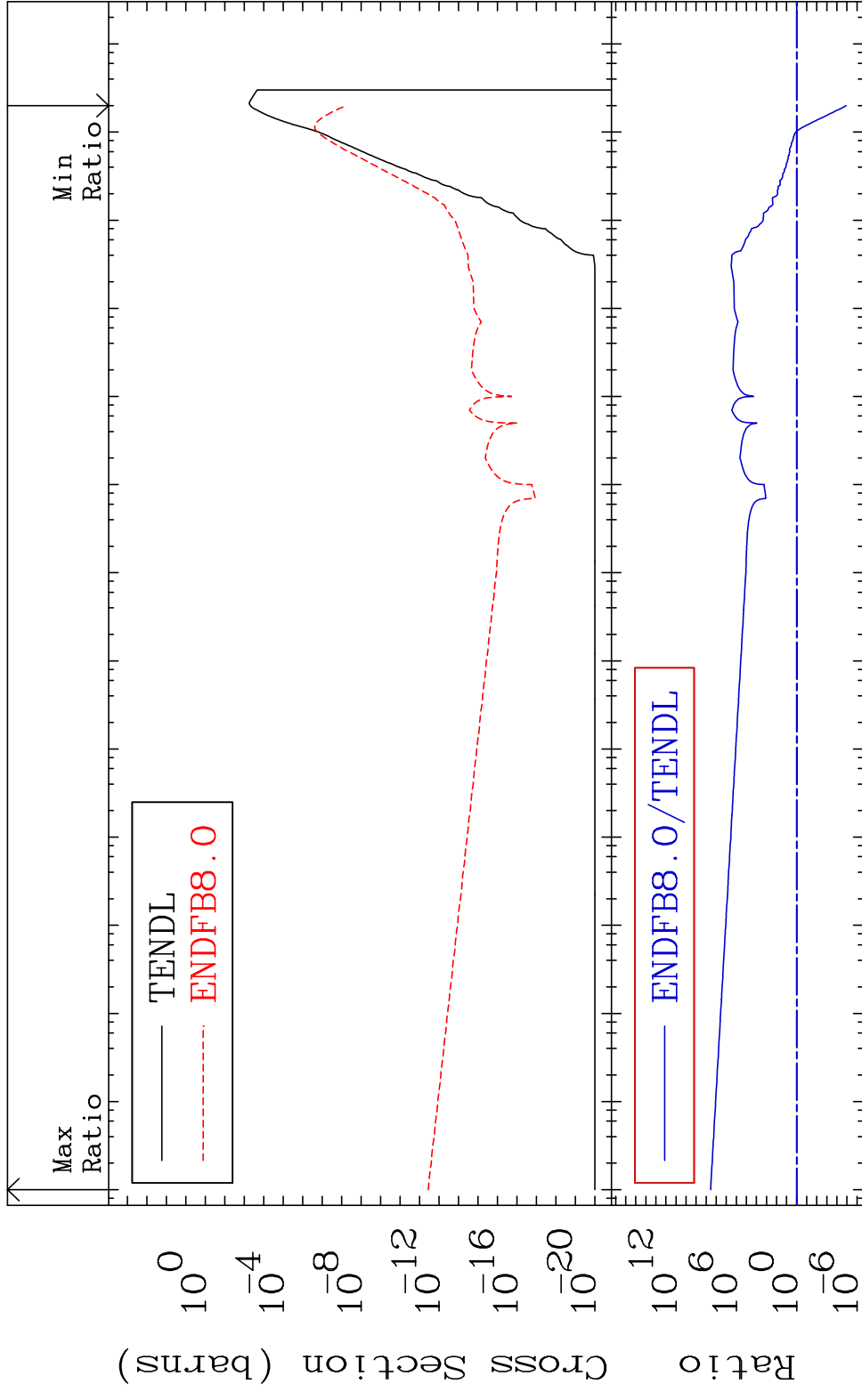
28

Incident Energy (eV) 50-Sn-121m

MAT 5053 (n,p) 50-Sn-121m
 Cross Section -100.0 To 9999. %



MAT 5053 (n, α) 50-Sn-121m
 Cross Section -100.0 To 9999. %

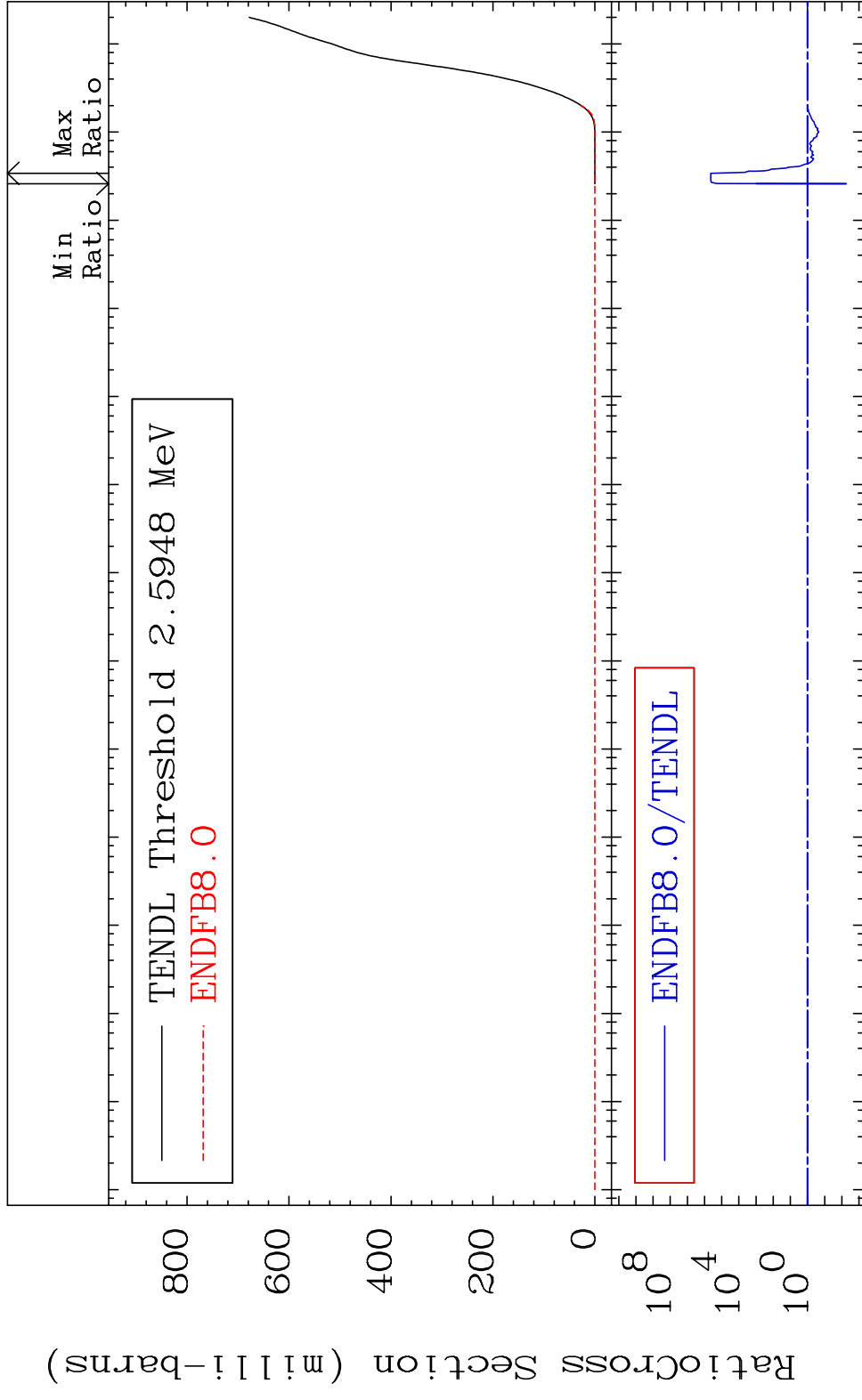


30 Incident Energy (eV) 50-Sn-121m

MAT 5053

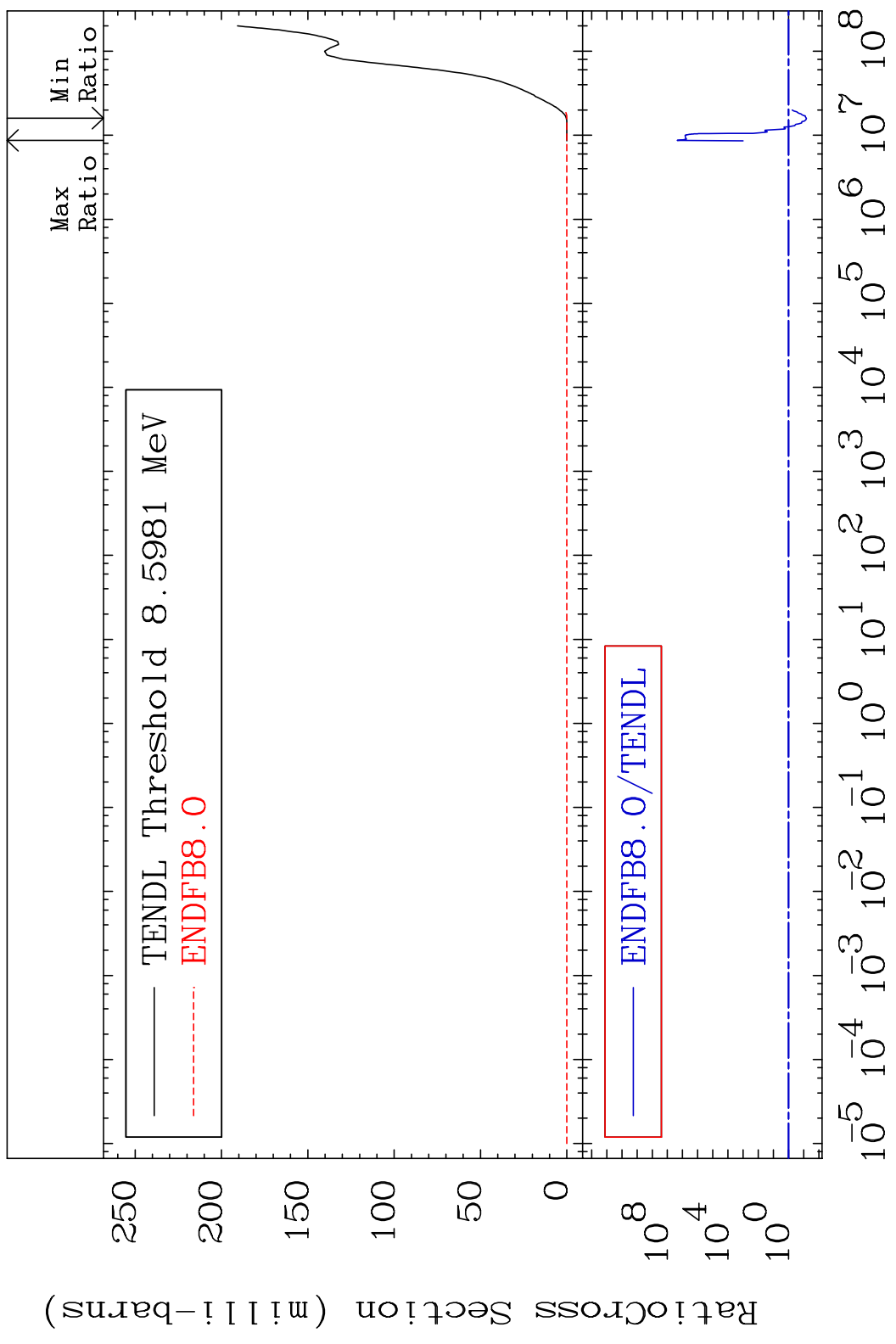
Hydrogen Production
Cross Section -99.45 To 9999. %

50-Sn-121m



MAT 5053

Deuterium Production 50-Sn-121m
Cross Section -93.42 To 9999. %



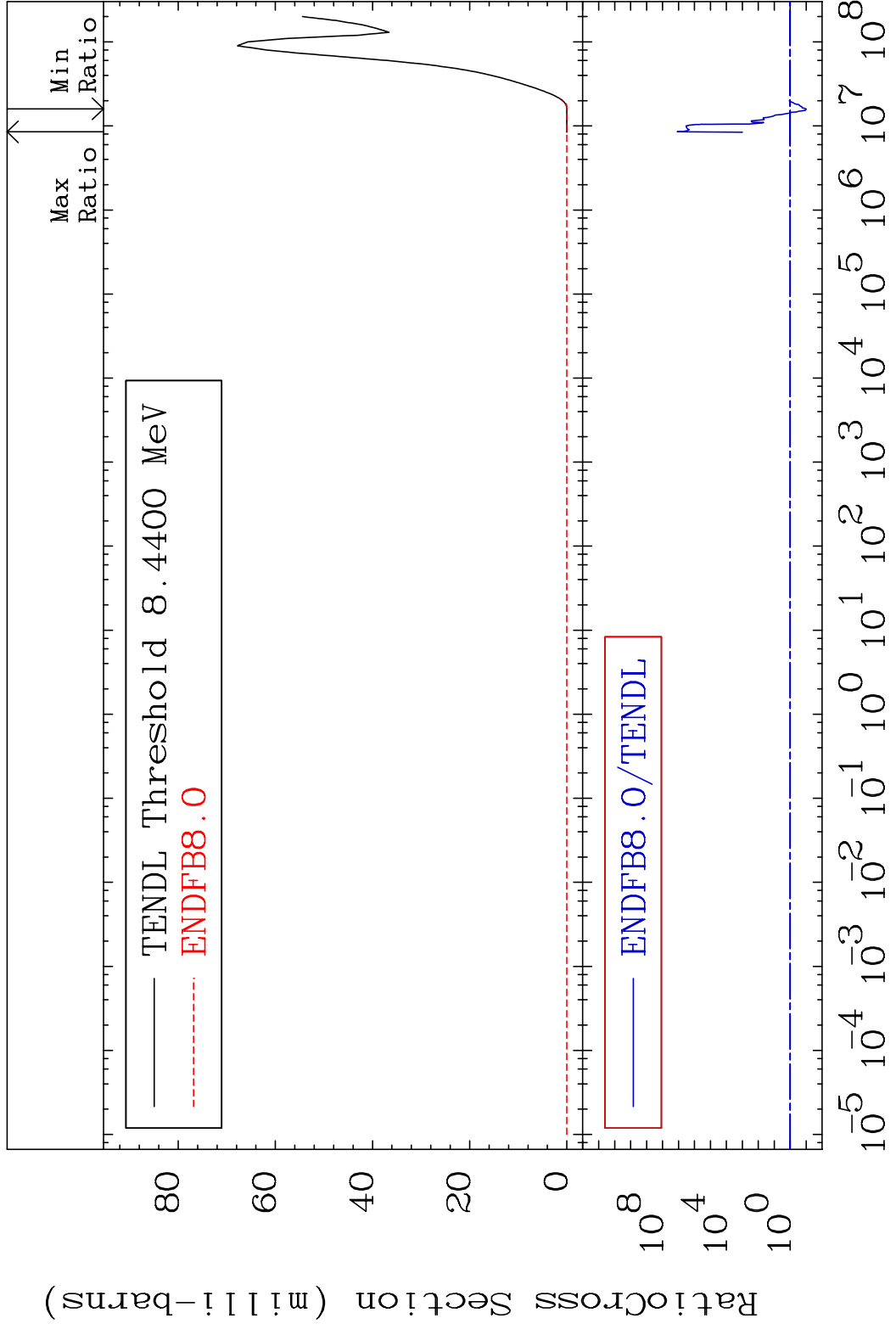
32

Incident Energy (eV) 50-Sn-121m

MAT 5053

Tritium Production
Cross Section -90.26 To 9999. %

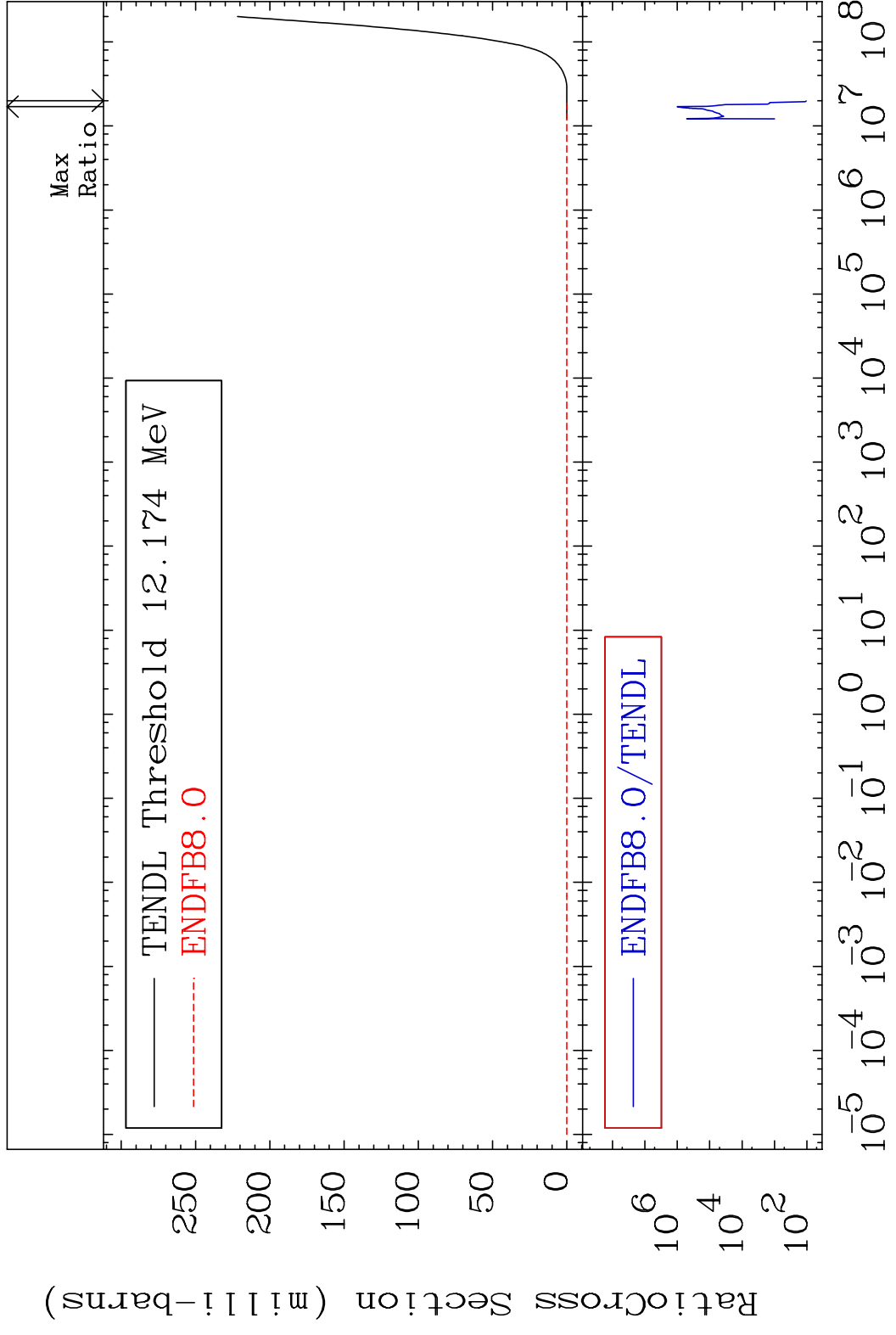
50-Sn-121m



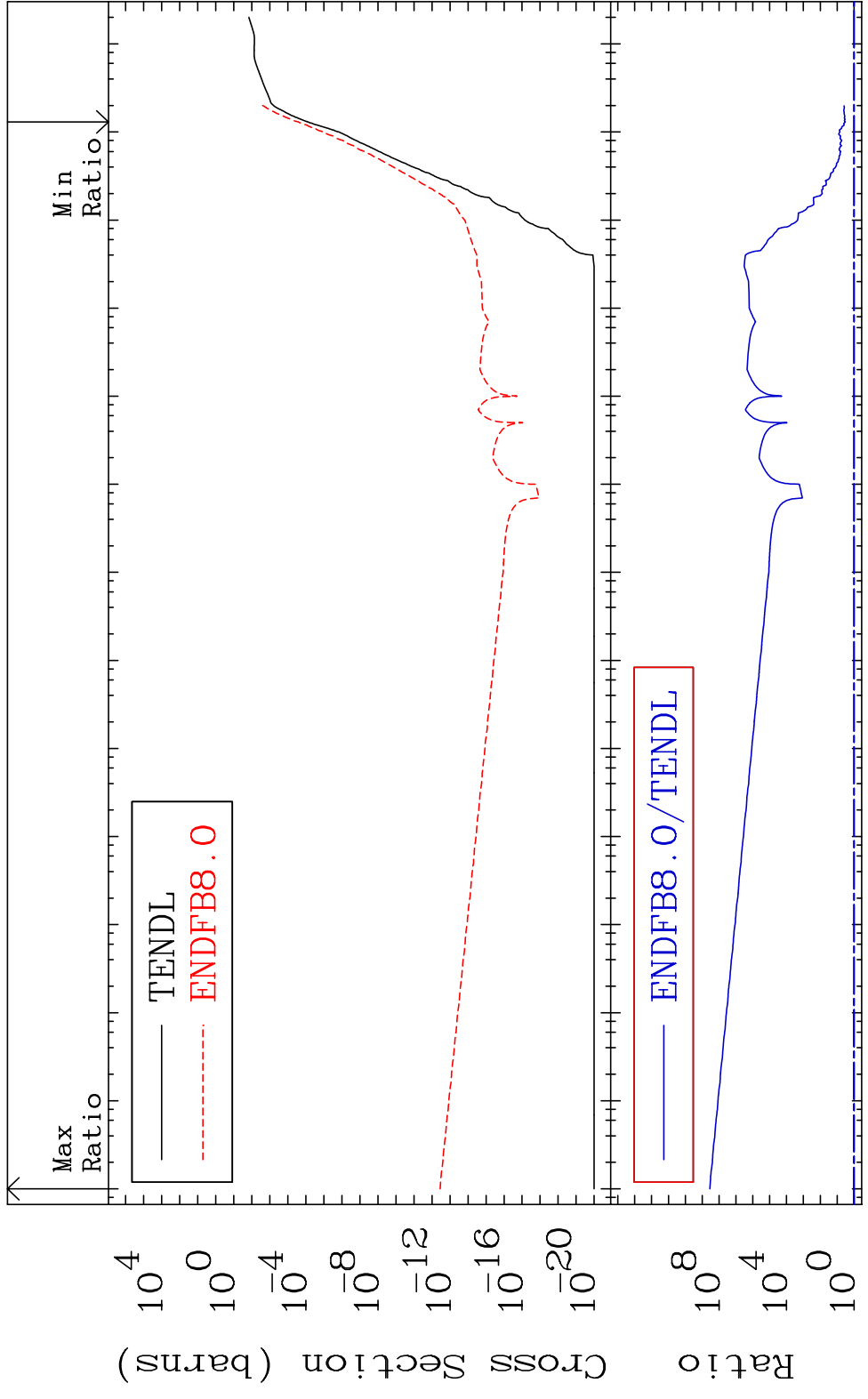
MAT 5053

He-3 Production
Cross Section 9999. To 9999. %

50-Sn-121m
To 9999. %

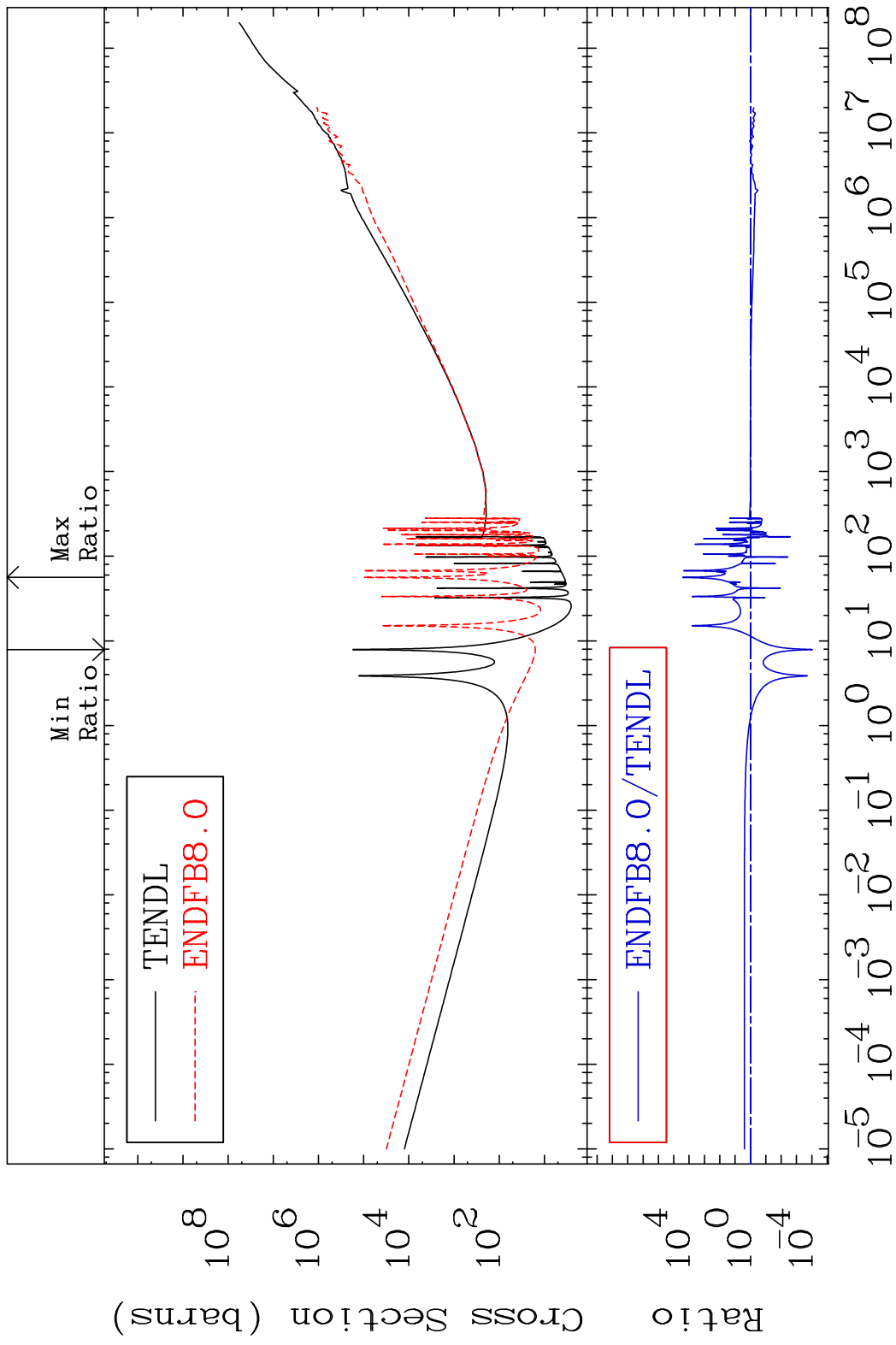


MAT 5053 He-4 Production 50-Sn-121m
 Cross Section 231.9 To 9999. %



35 Incident Energy (eV) 50-Sn-121m

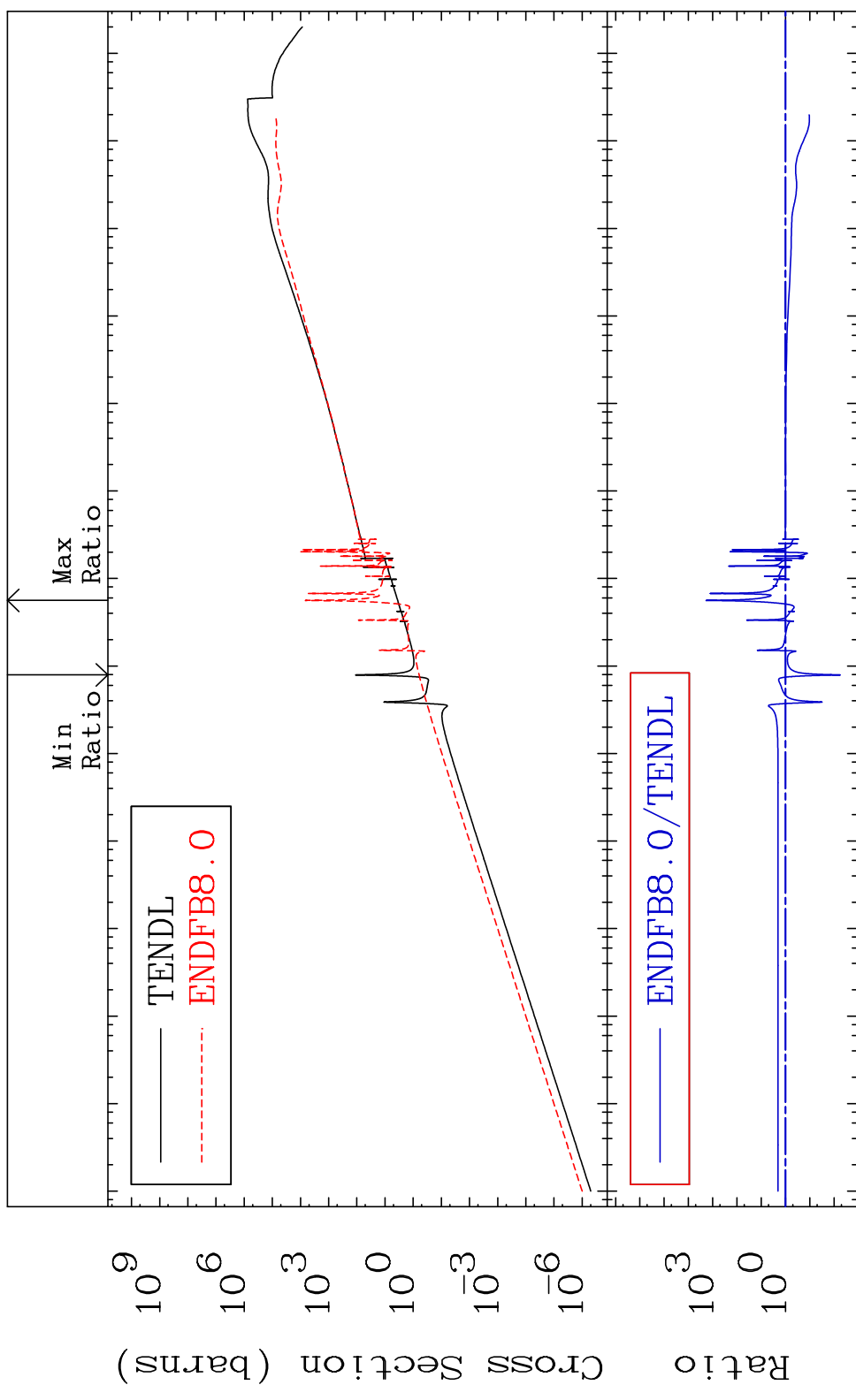
MAT 5053 Kerma total (eV-barns) 50-Sn-121m
 Cross Section -99.99 To 9999. %



36 Incident Energy (eV) 50-Sn-121m

MAT 5053

Kerma elastic Cross Section -99.45 %
50-Sn-121m To 9999. %

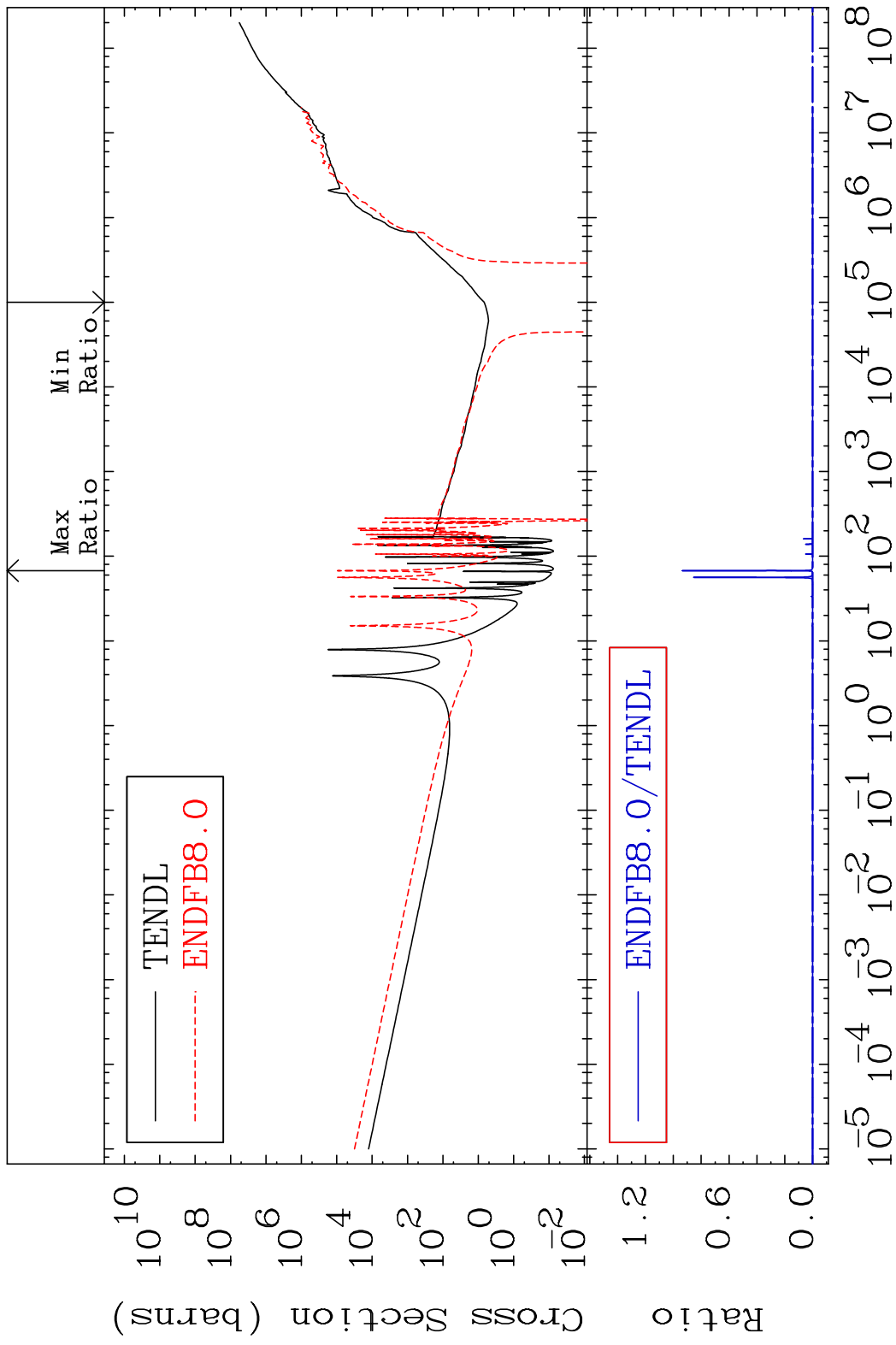


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

37

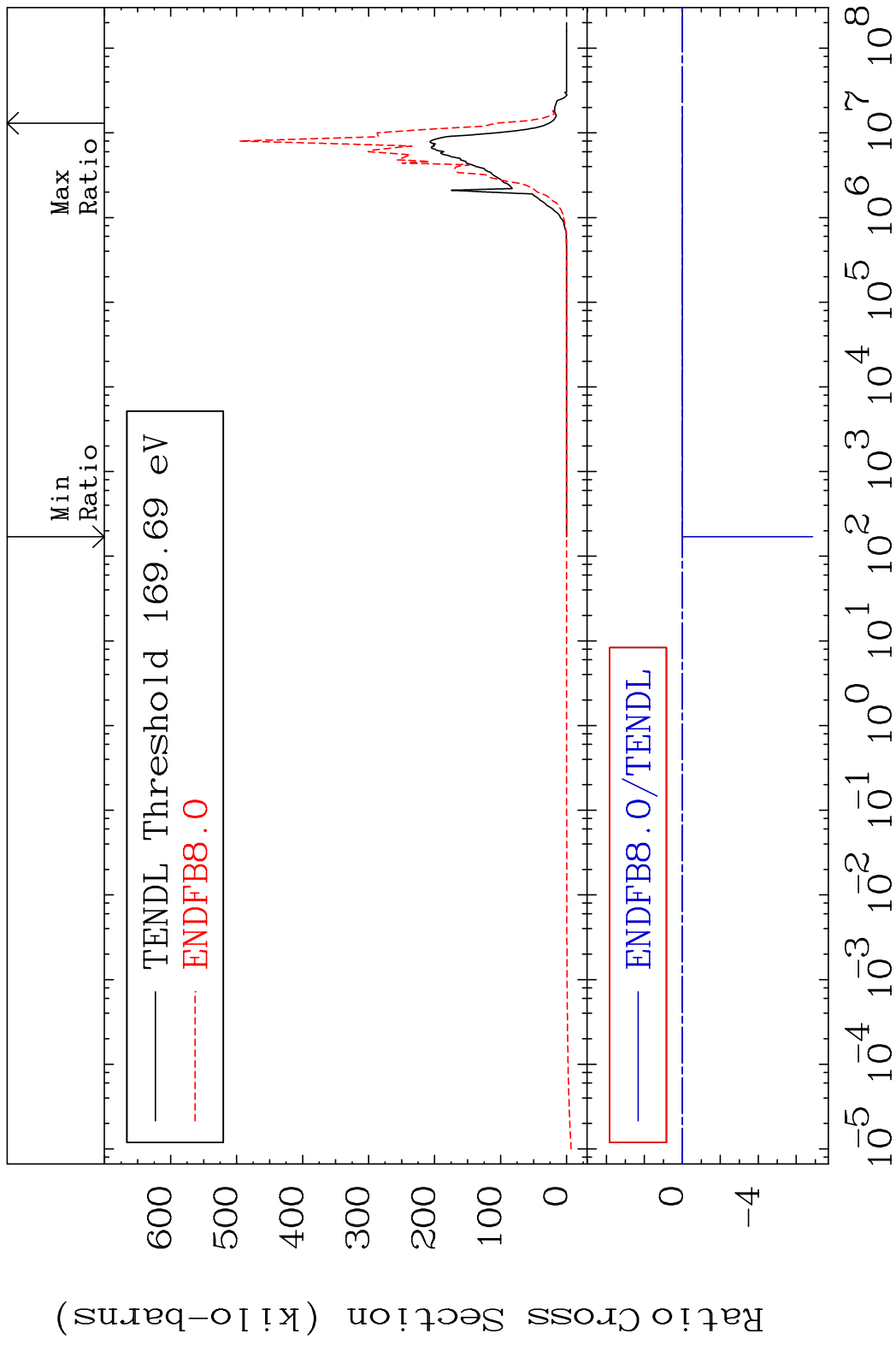
Incident Energy (eV) 50-Sn-121m

MAT 5053 Kerma non-elastic (all but mt2) 50-Sn-121m
 Cross Section -253.1 To 9999. %



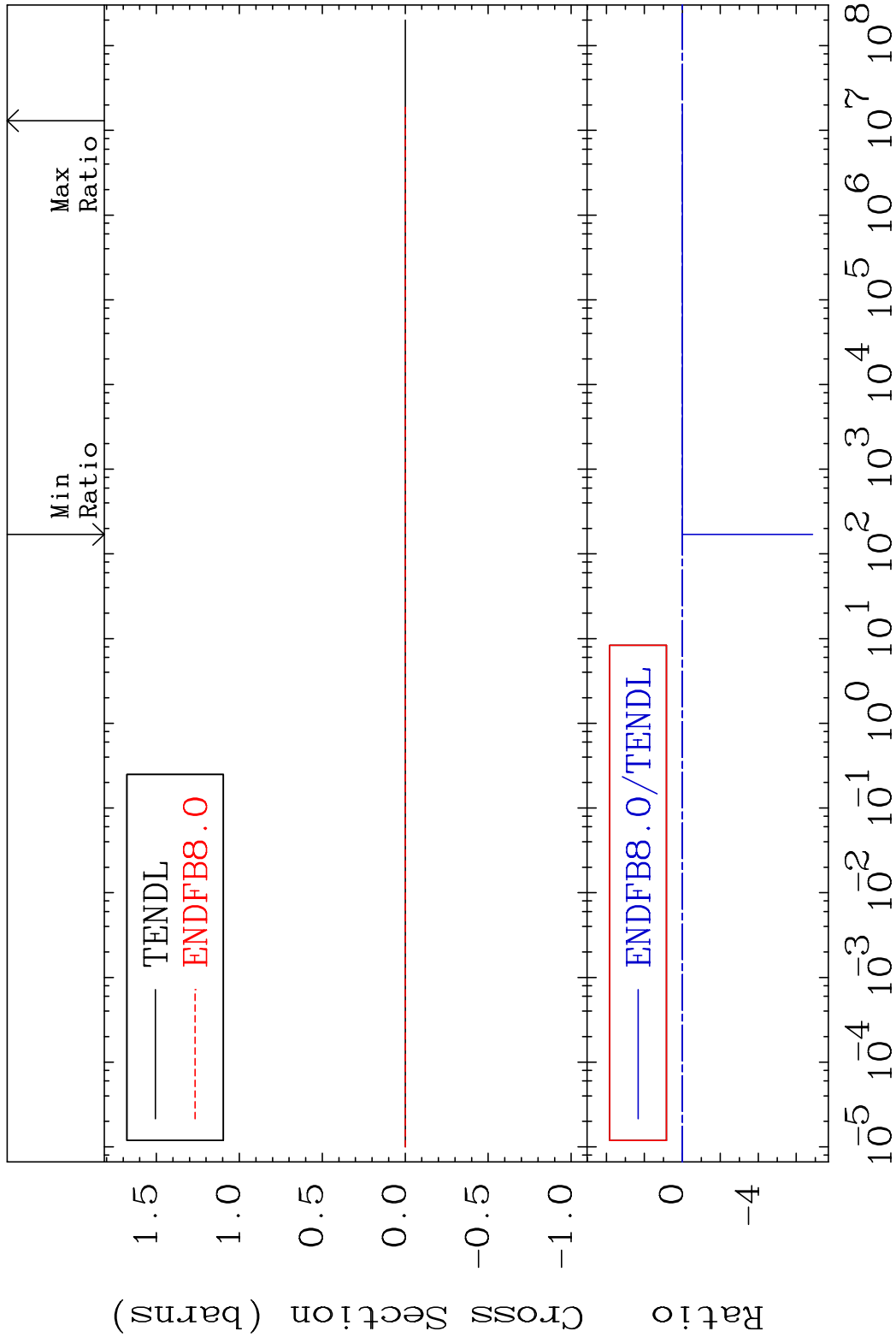
38 Incident Energy (eV) 50-Sn-121m

MAT 5053 Kerma inelastic (mt51-91) 50-Sn-121m
 Cross Section -9999. To 301.8 %



39 Incident Energy (eV) 50-Sn-121m

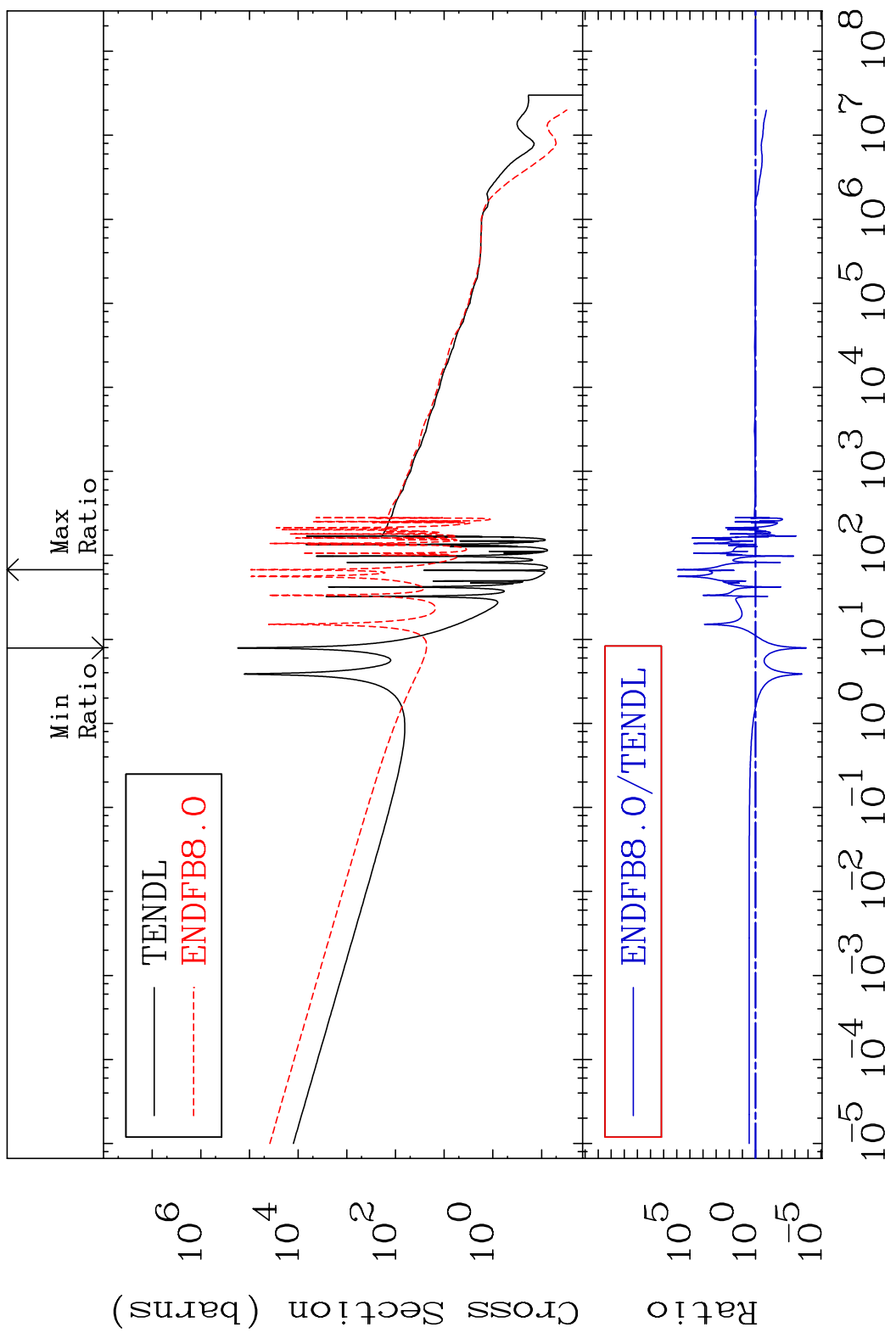
MAT 5053 Kerma fission (mt18 or mt19-20-21-350)-Sn-121m
 Cross Section -9999. To 301.8 %



40 Incident Energy (eV) 50-Sn-121m

MAT 5053

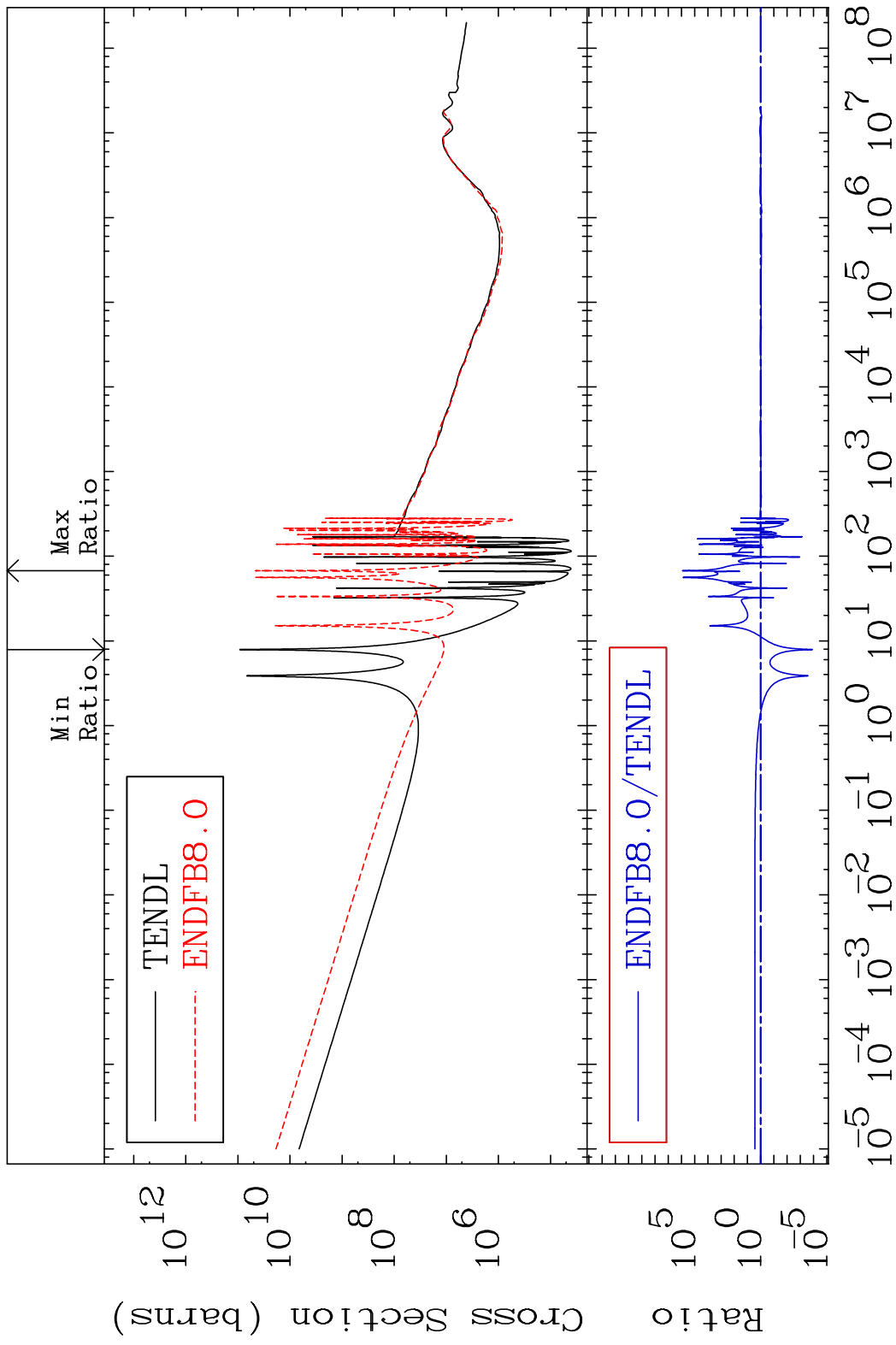
Kerma capture (mt102) 50-Sn-121m
Cross Section -99.99 To 9999. %



41

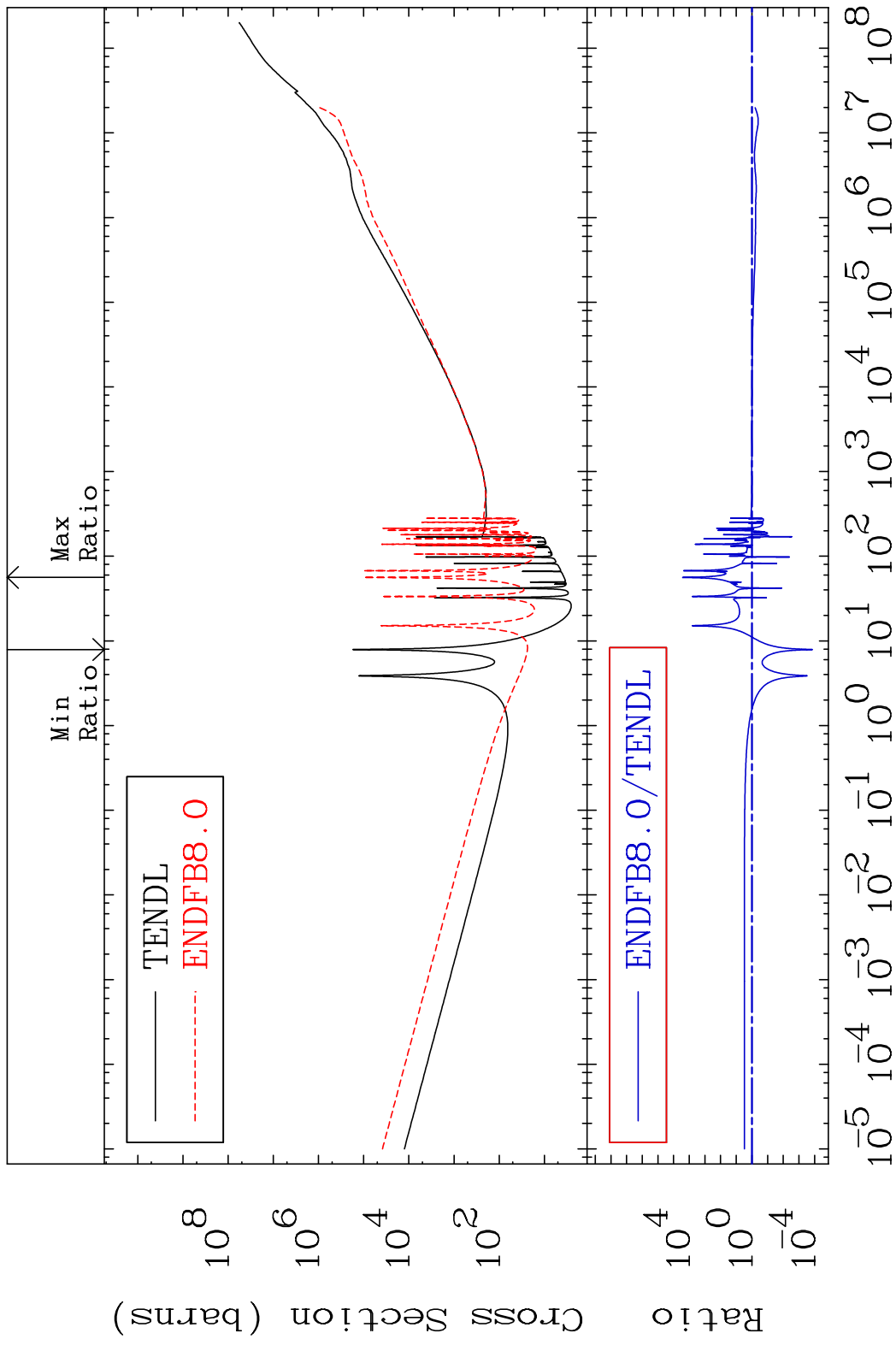
Incident Energy (eV) 50-Sn-121m

MAT 5053 Total photon (eV-barns) 50-Sn-121m
Cross Section -99.99 To 9999. %

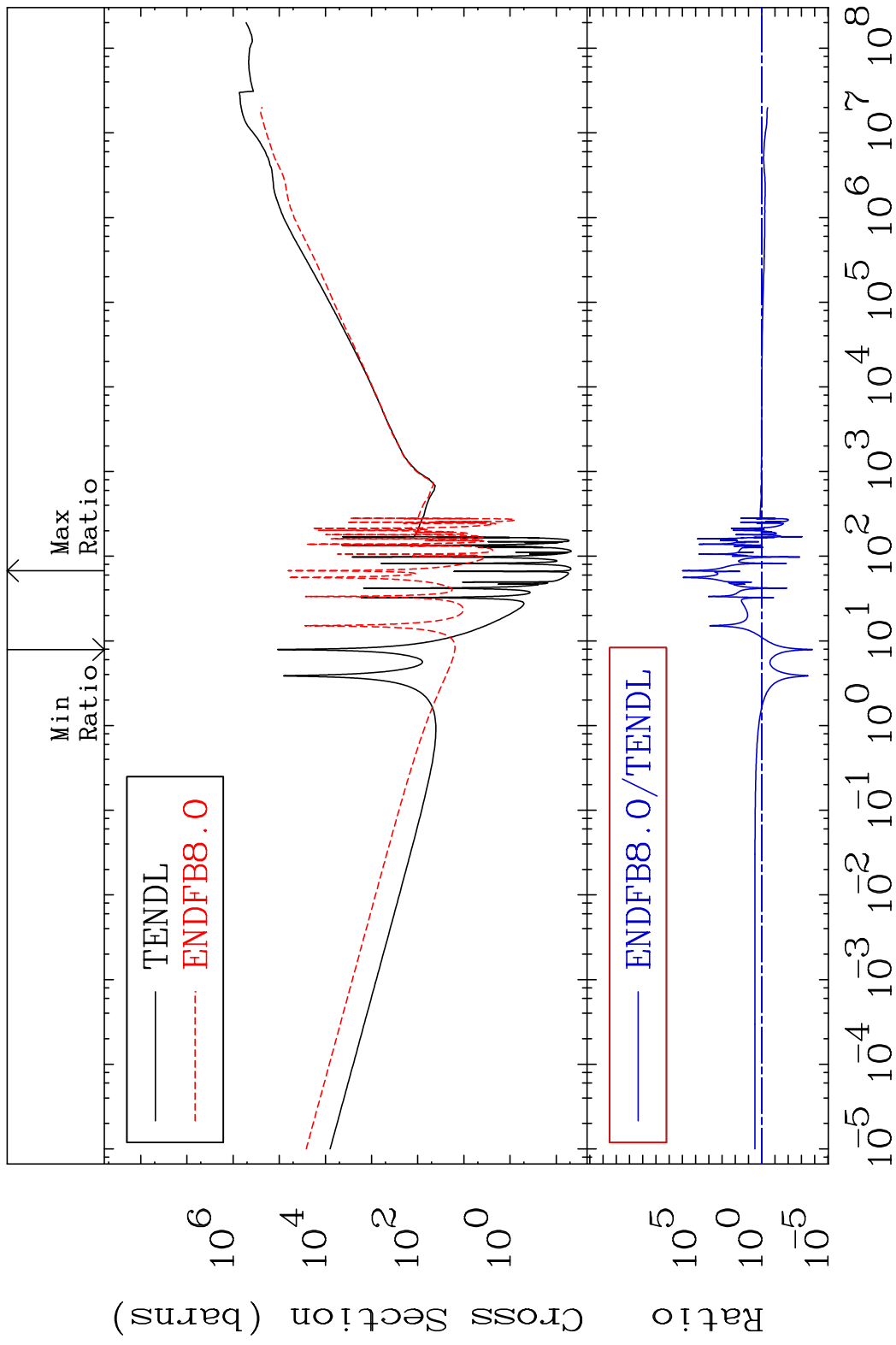


42 Incident Energy (eV) 50-Sn-121m

MAT 5053 Total kinematic kerma (high limit)50-Sn-121m
 Cross Section -99.99 To 9999. %

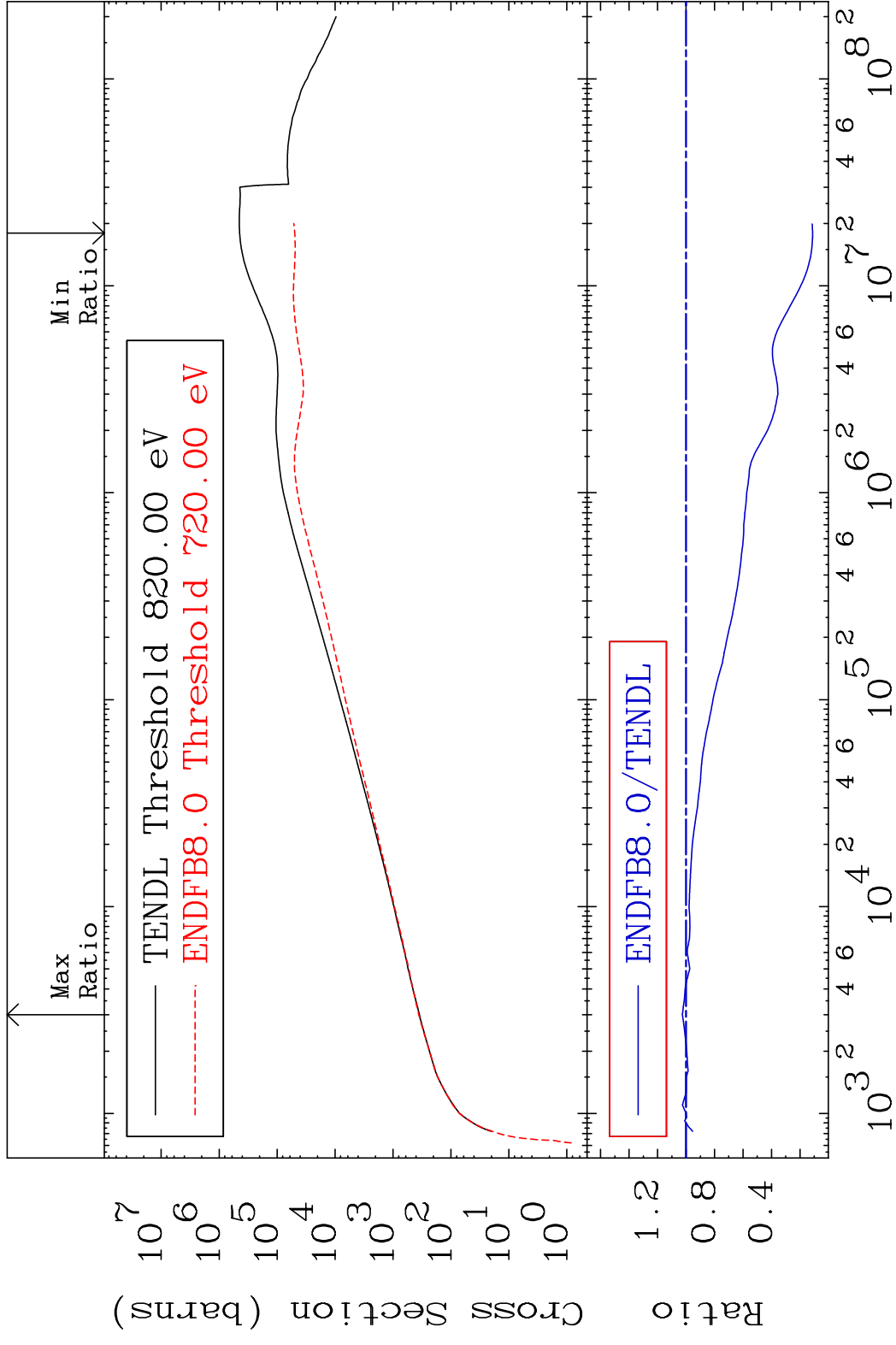


MAT 5053 Dpa total (eV-barns) 50-Sn-121m
 Cross Section -99.99 To 9999. %

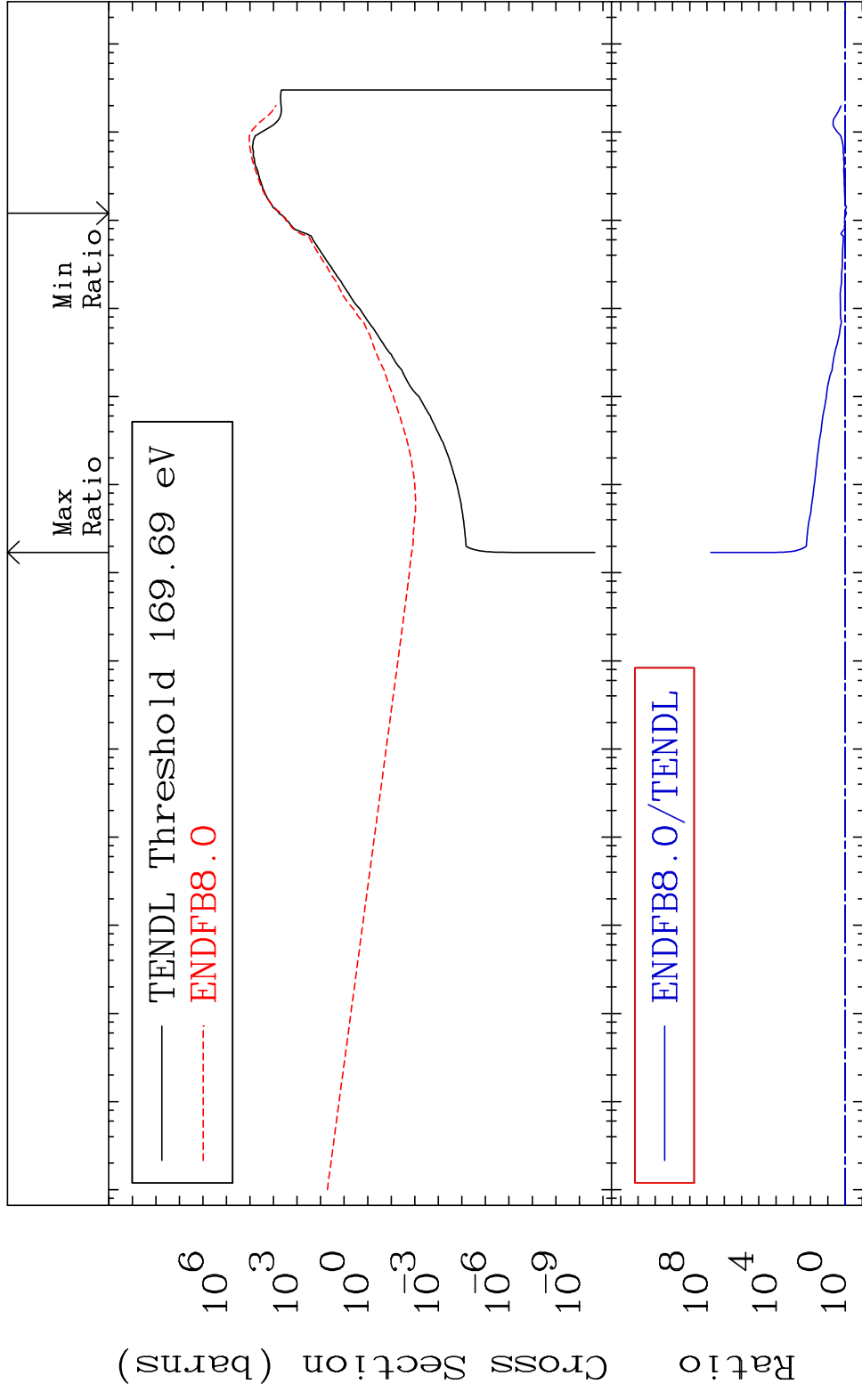


44 Incident Energy (eV) 50-Sn-121m

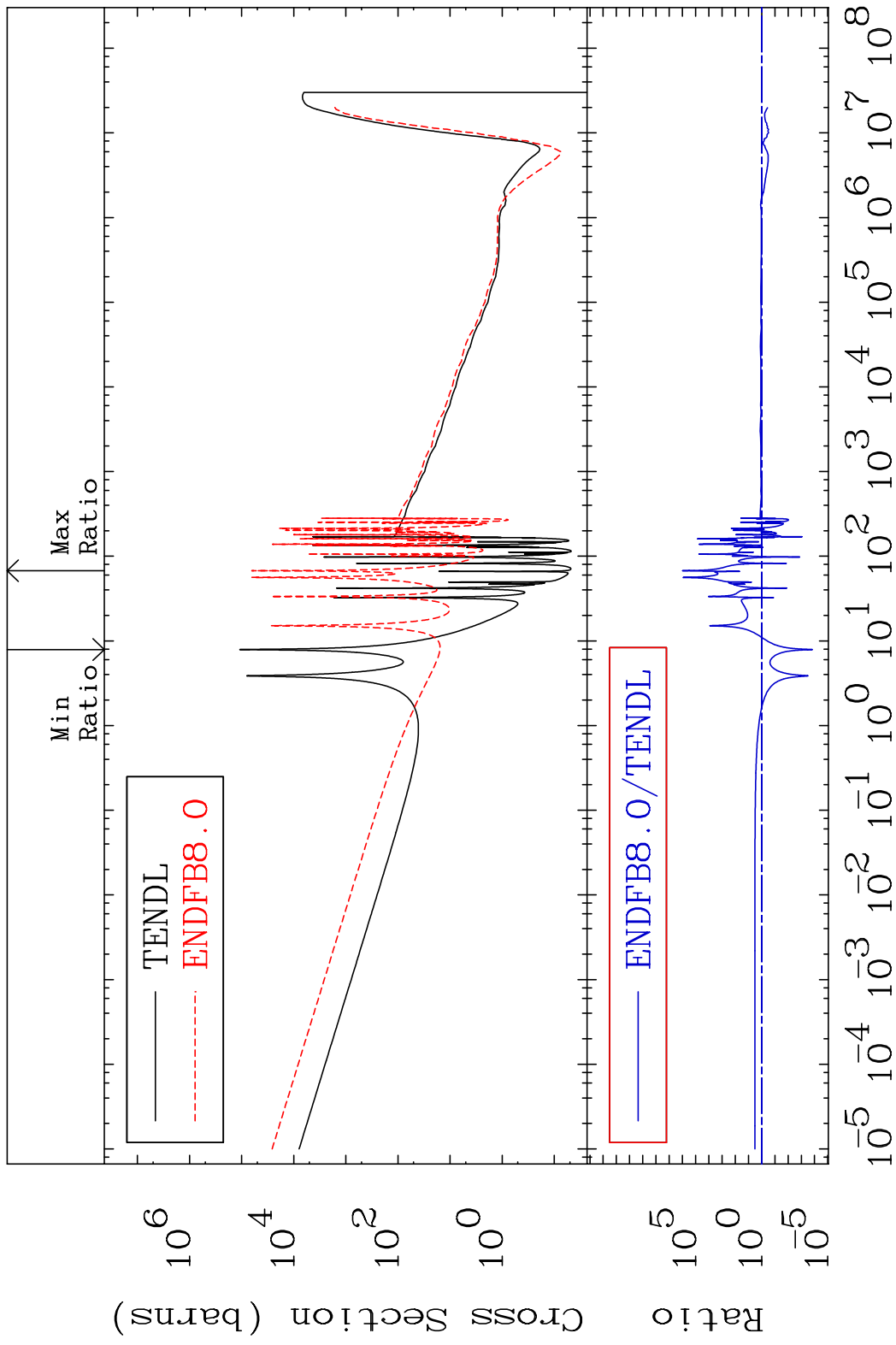
MAT 5053 Dpa elastic (mt2) 50-Sn-121m
 Cross Section -88.78 To 2.592 %



MAT 5053 Dpa inelastic (mt51-91) 50-Sn-121m
 Cross Section -14.80 To 9999. %

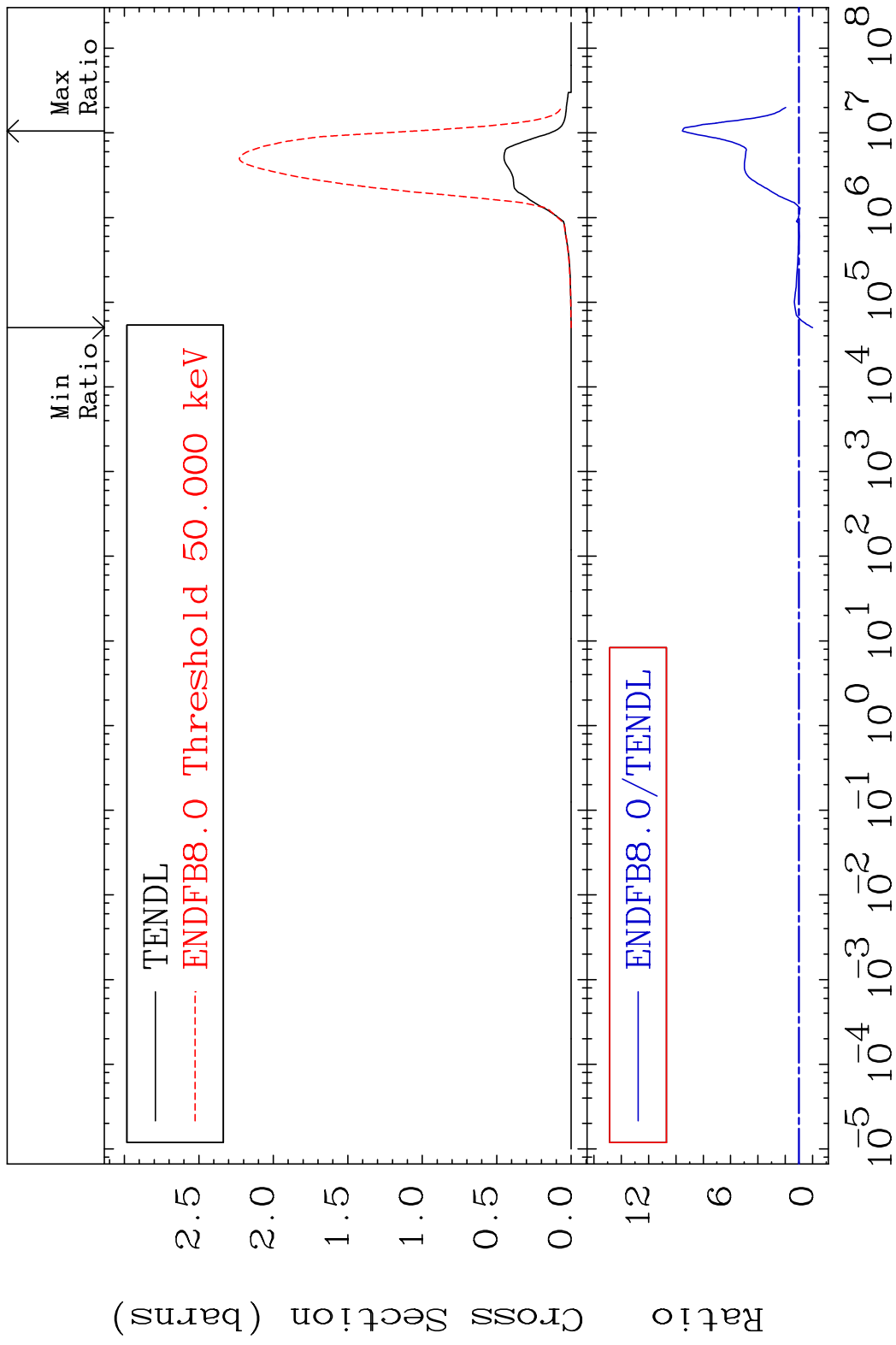


MAT 5053 Dpa disappearance (mt102 -120) 50-Sn-121m
 Cross Section -99.99 To 9999. %



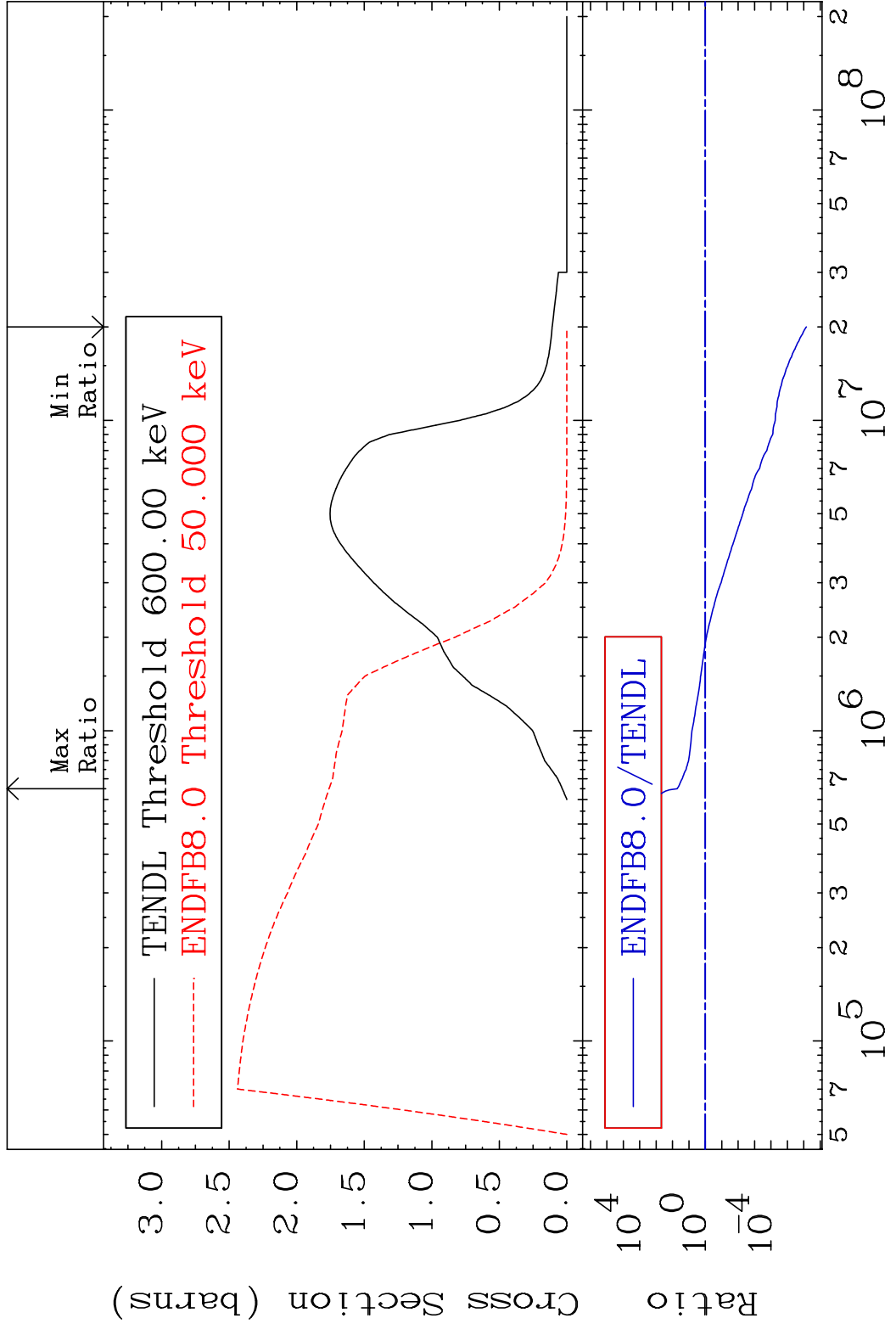
47 Incident Energy (eV) 50-Sn-121m

MAT 5053 Inelastic:50-Sn-121g 50-Sn-121m
 Radionuclide Production Cross Section Ratio 853.1 %

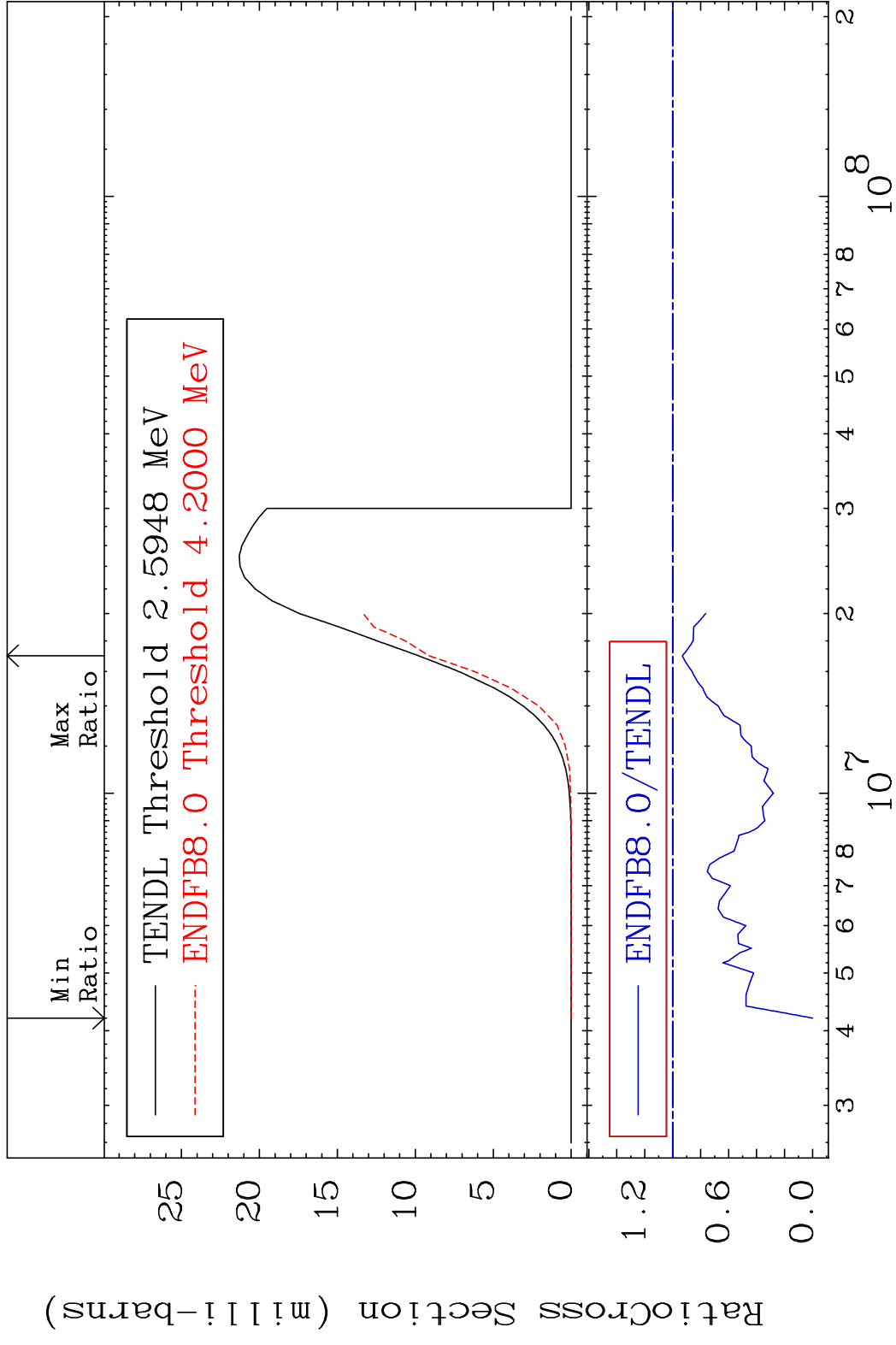


48 Incident Energy (eV) 50-Sn-121m

MAT 5053 Inelastic:50-Sn-121m 50-Sn-121m
 Radionuclide Production Cross Section to 5105. %



MAT 5053 (n,p):49-In-121g 50-Sn-121m
 Radionuclide Production Cross Section Ratio -6.897%



MAT 5053 (n,p):49-In-121m1 50-Sn-121m
 Radionuclide Production Cross Section 18.38 %

