

Program Complot
(Version 2021-1)

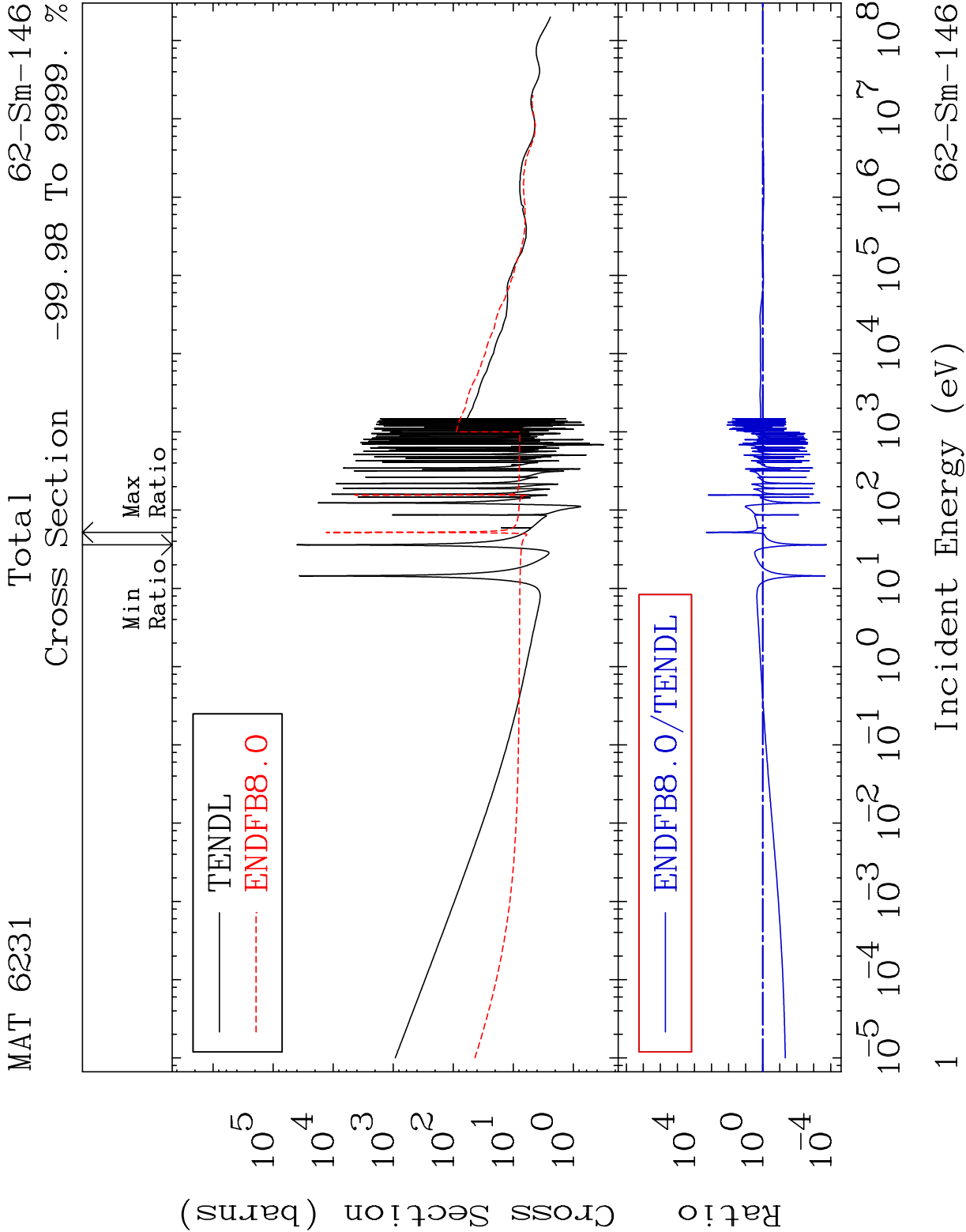
by

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Press Mouse Button to Start

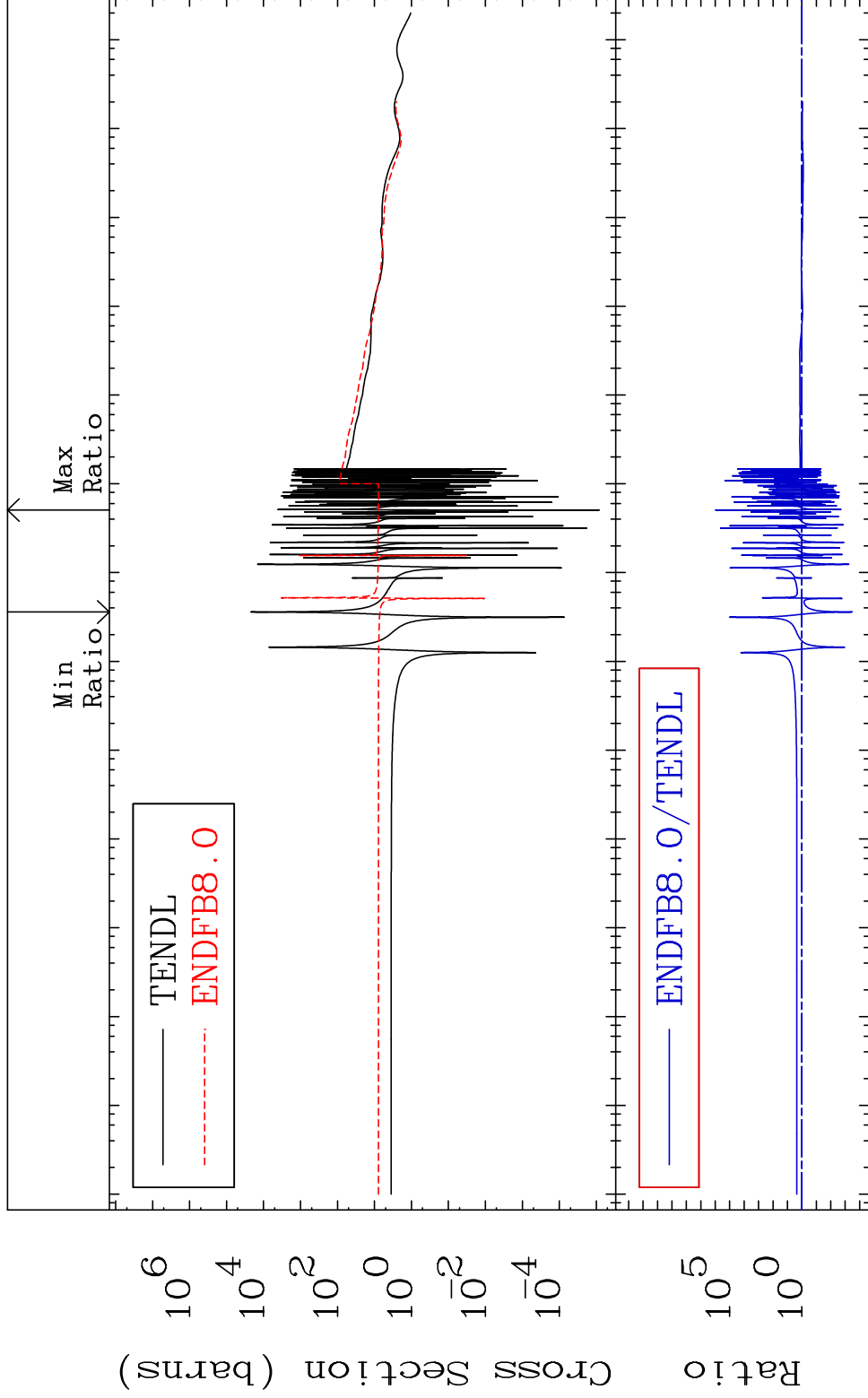


MAT 6231

Elastic

62-Sm-146

Cross Section -99.97 To 9999. %



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

2

Incident Energy (eV)

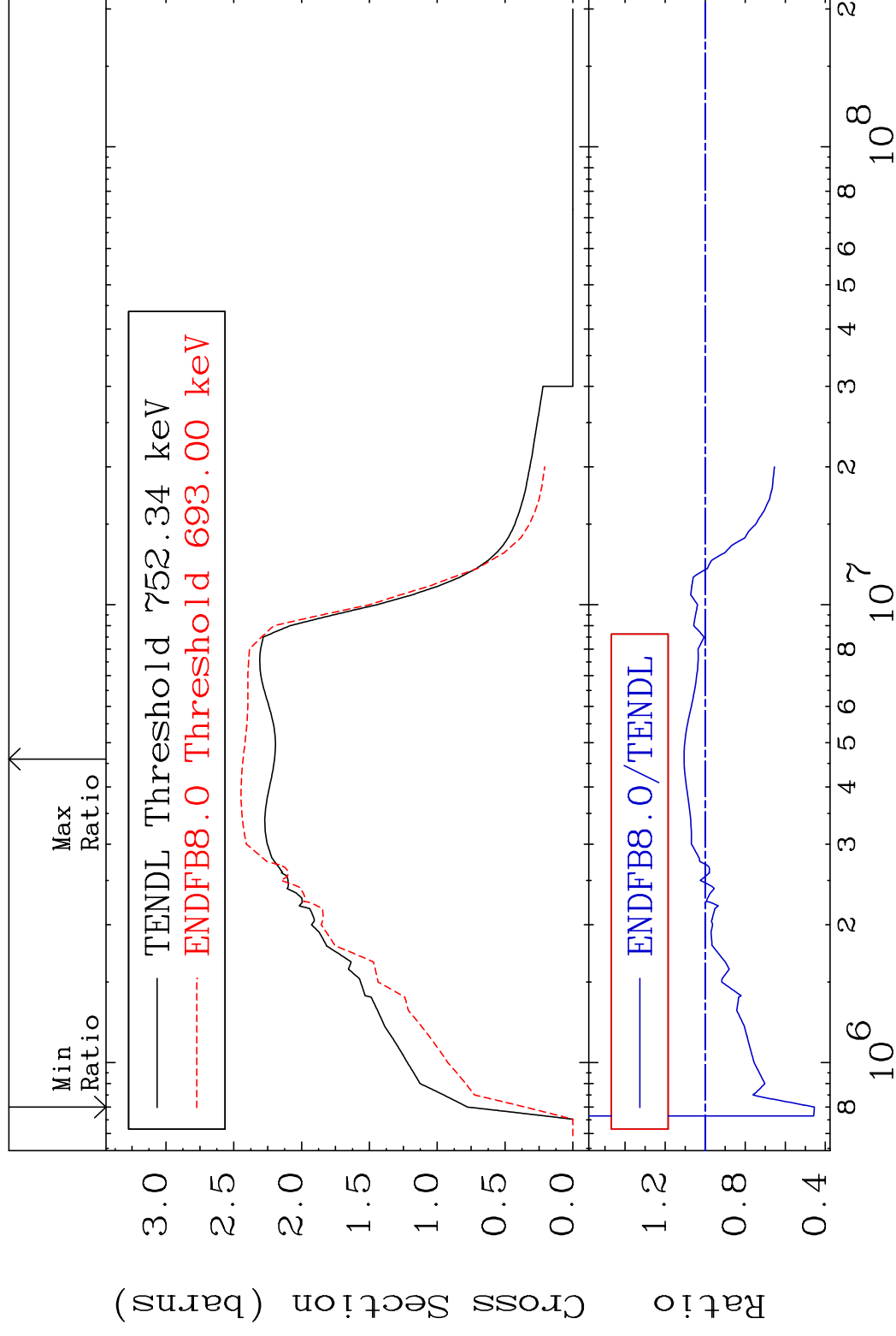
62-Sm-146

MAT 6231

Inelastic

62-Sm-146

Cross Section	-54.46 To 10.55 %
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3

Incident Energy (eV)

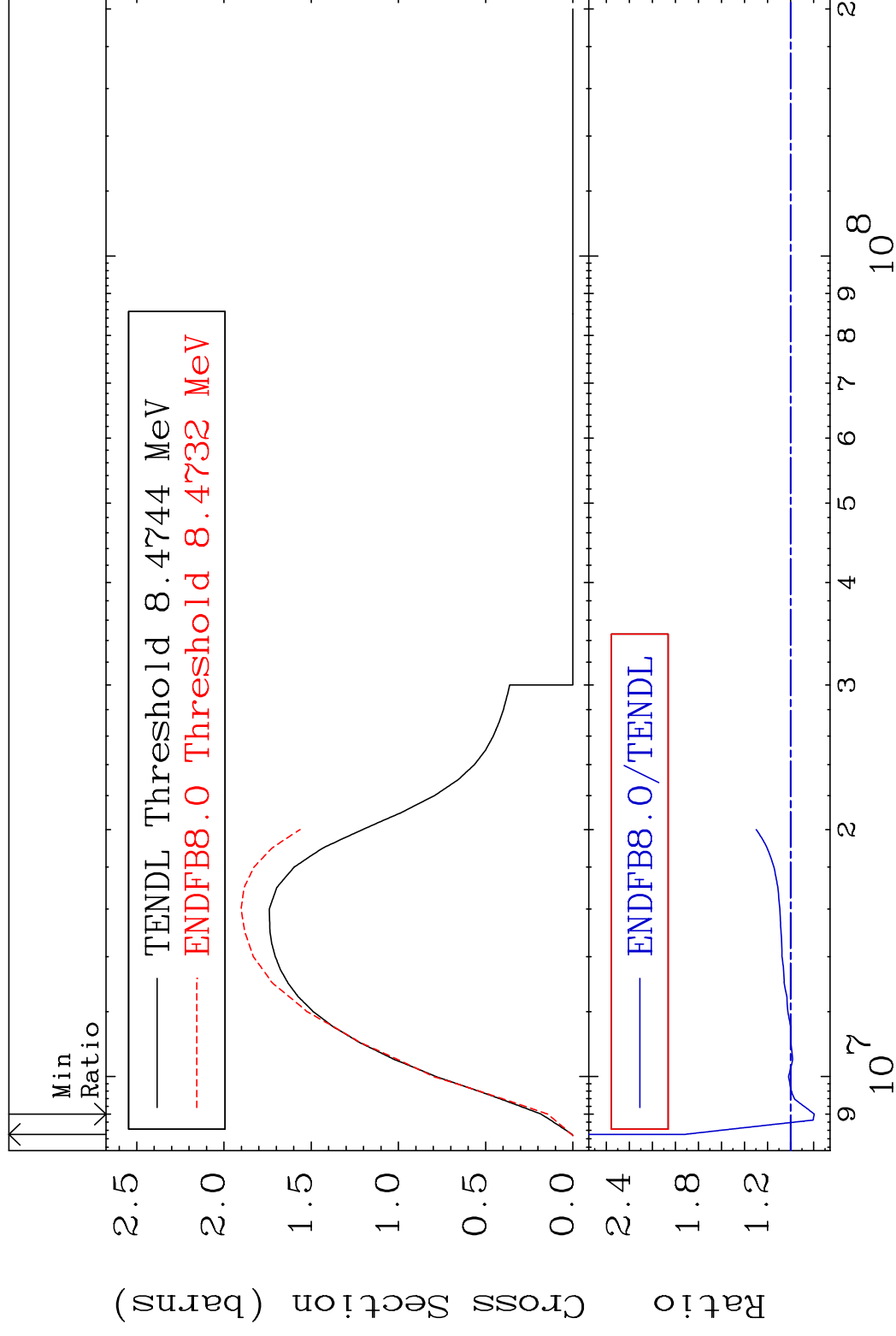
62-Sm-146

MAT 6231

$$(n, 2n)$$

62-Sm-146

Cross Section -20.61 To 92.48 %



TENDL Threshold 8.4744 MeV

ENDFB8.0 Threshold 8.4732 MeV

ENDFB8.0/TENDL

4

Incident Energy (eV)

62-Sm-146

MAT 6231

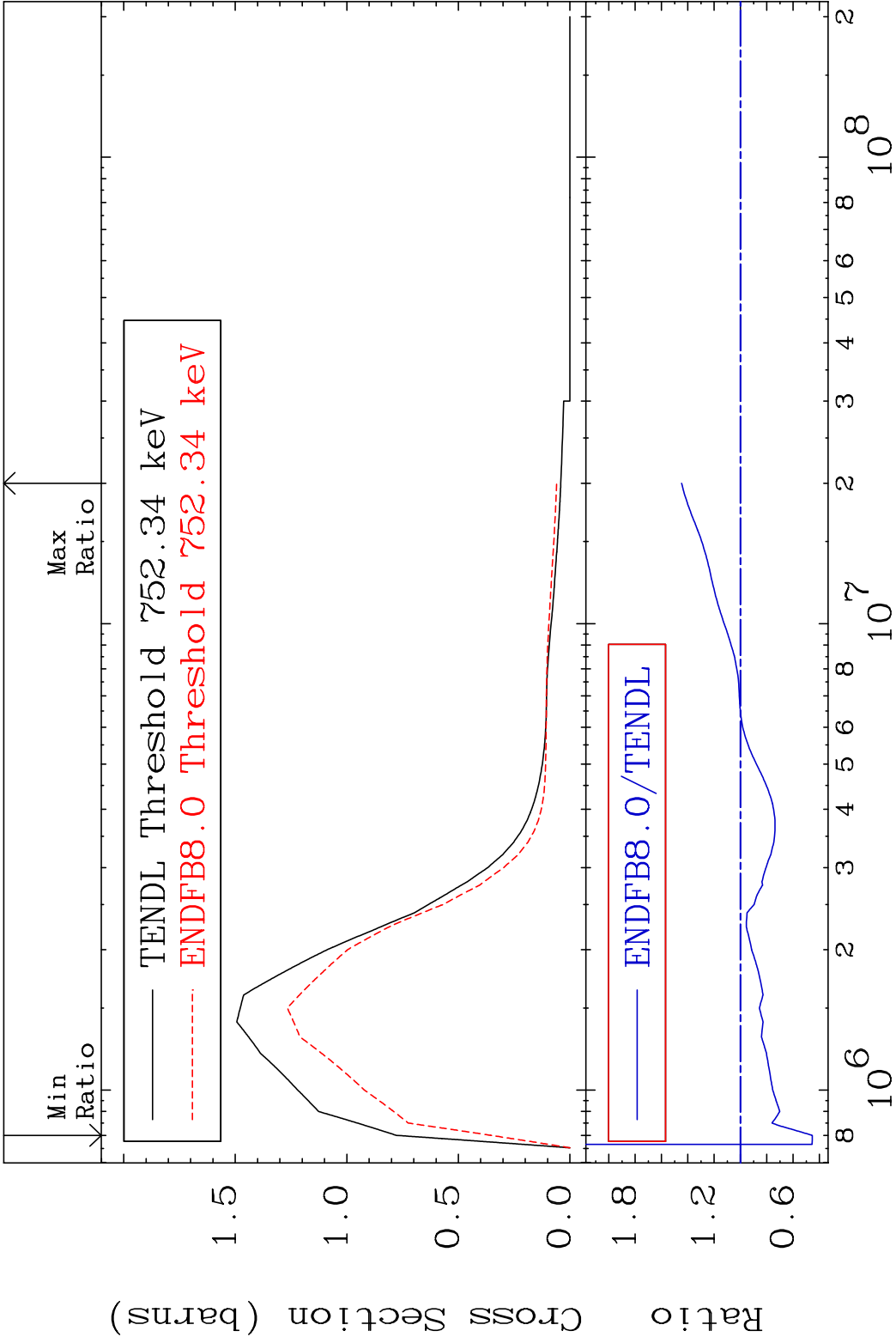
MT= 51 (n,n')

Level

62-Sm-146

Cross Section

-54.51 To 44.79 %

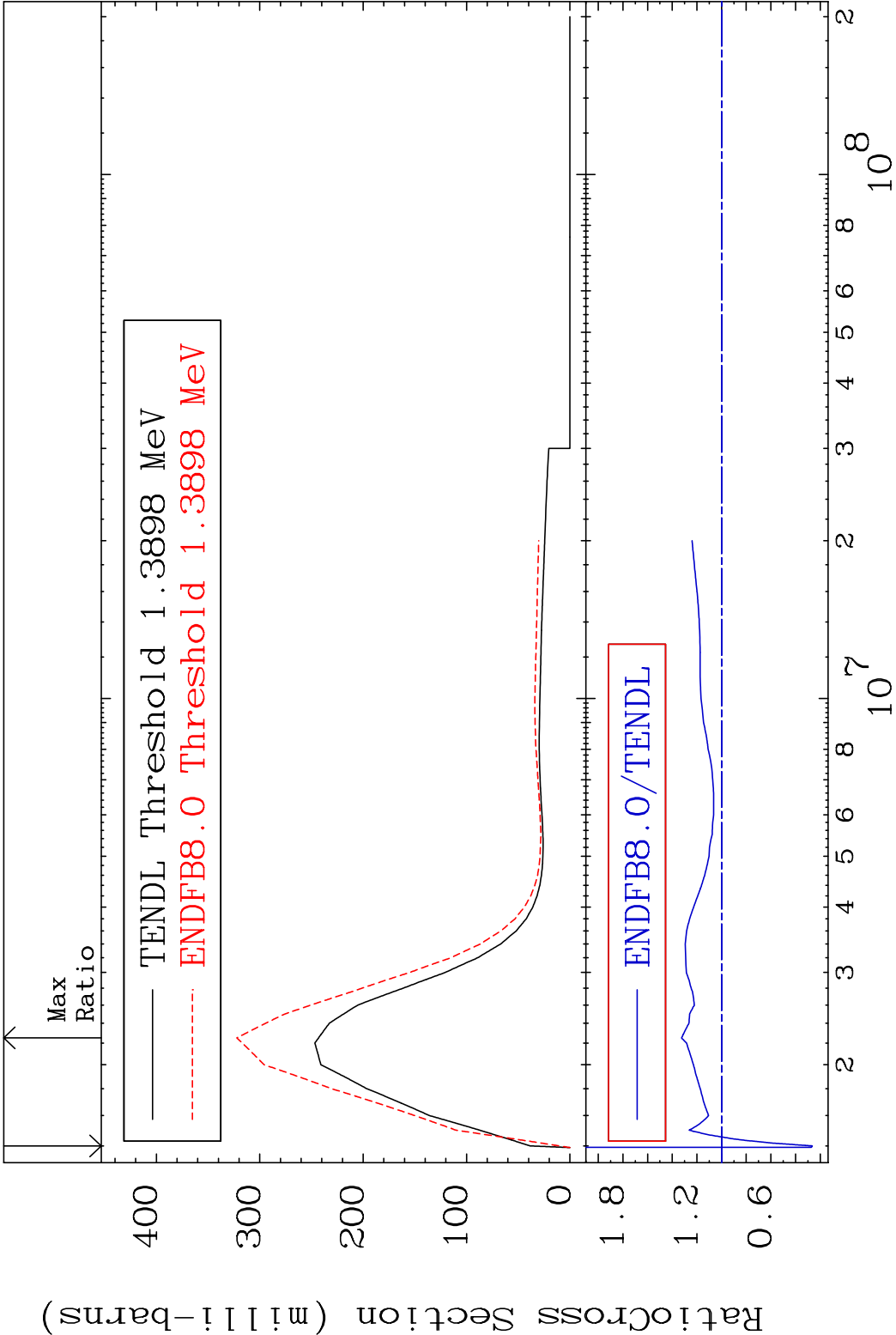


5

Incident Energy (eV)

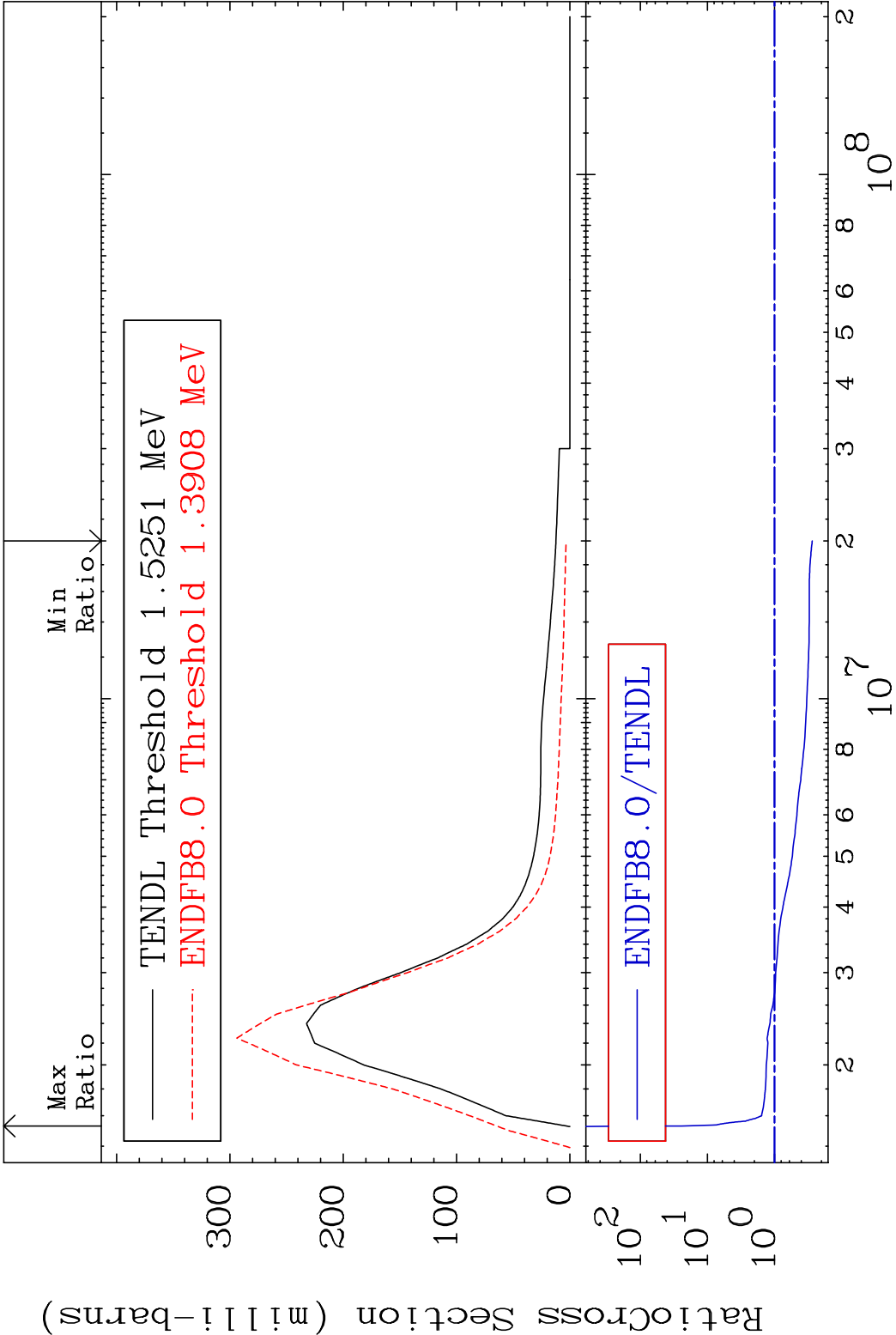
62-Sm-146

MAT 6231 MT= 52 (n,n') Level 62-Sm-146
Cross Section -73.54 To 32.48 %

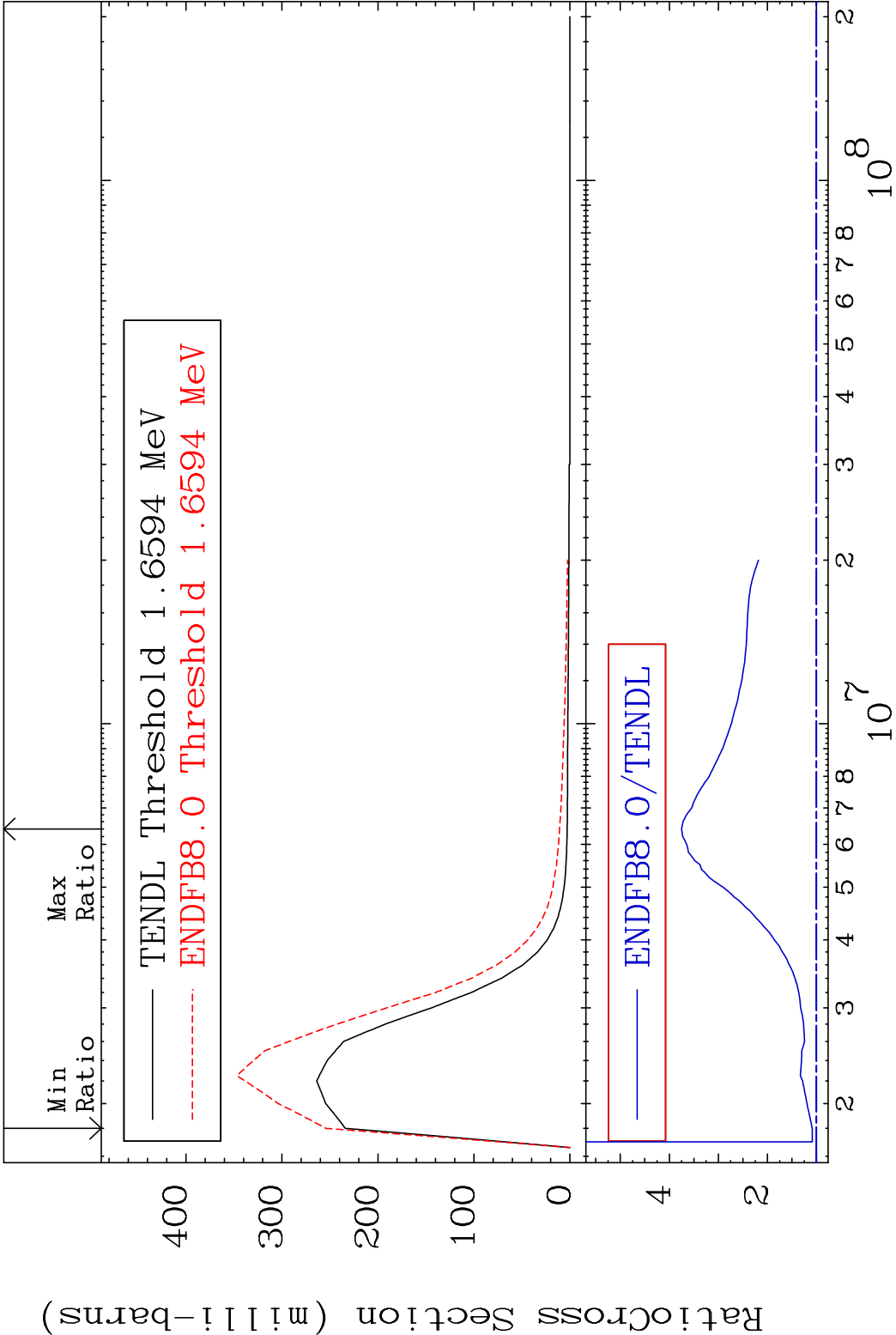


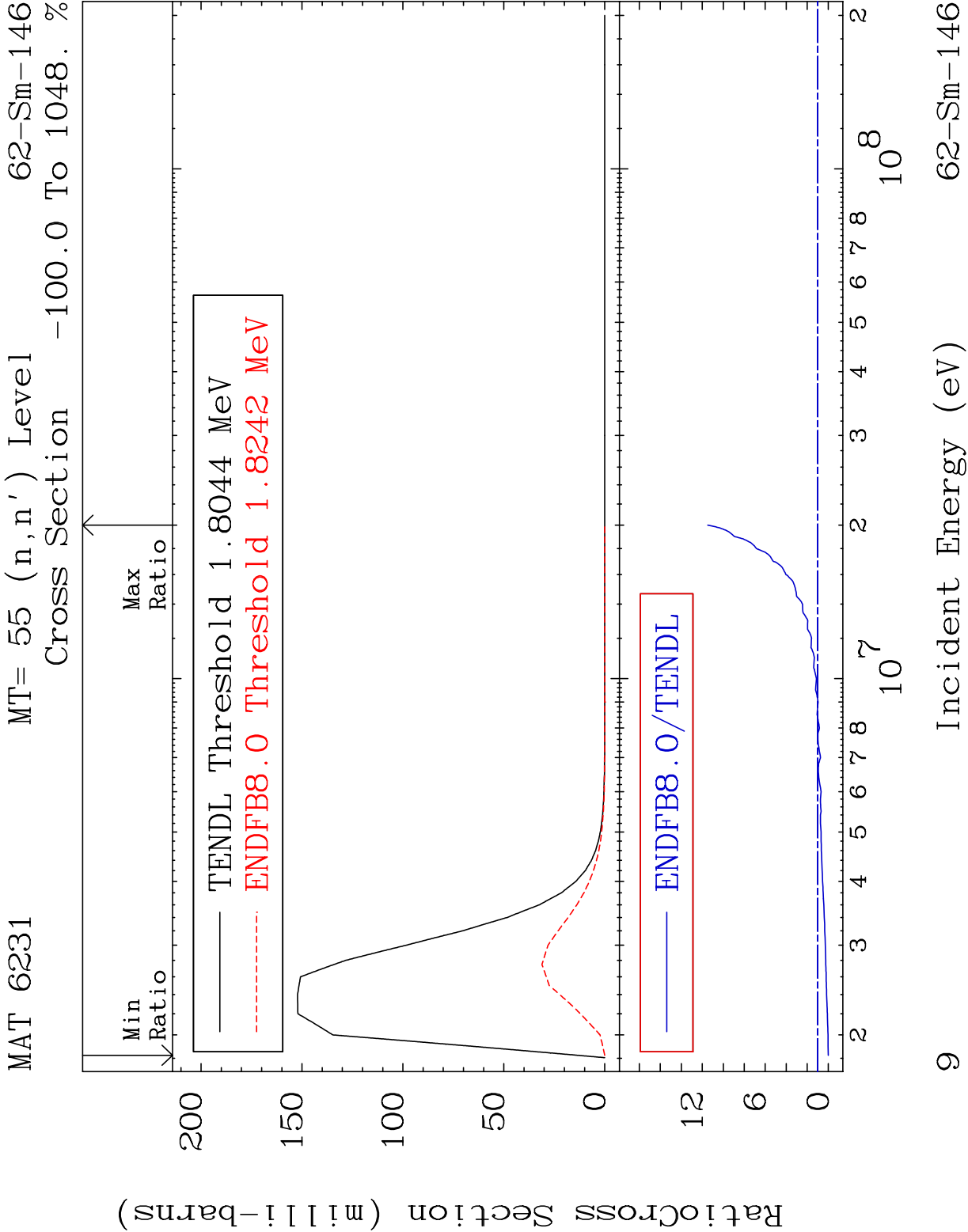
MAT 6231MT= 53 (n,n') Level62-Sm-146

Cross Section-72.49 To 2337. %

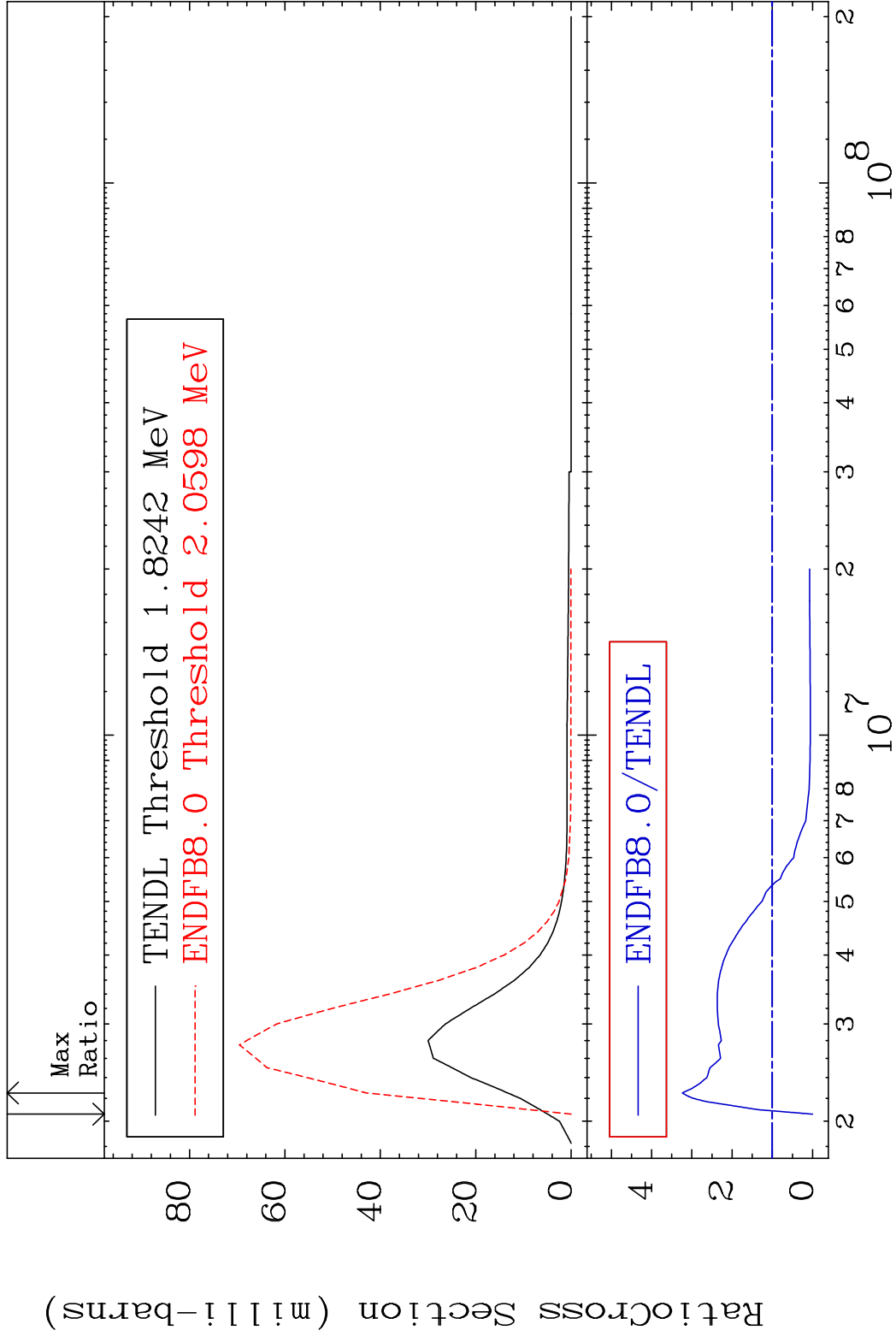


MAT 6231MT= 54 (n,n') Level62-Sm-146
Cross Section8.662To 275.1 %

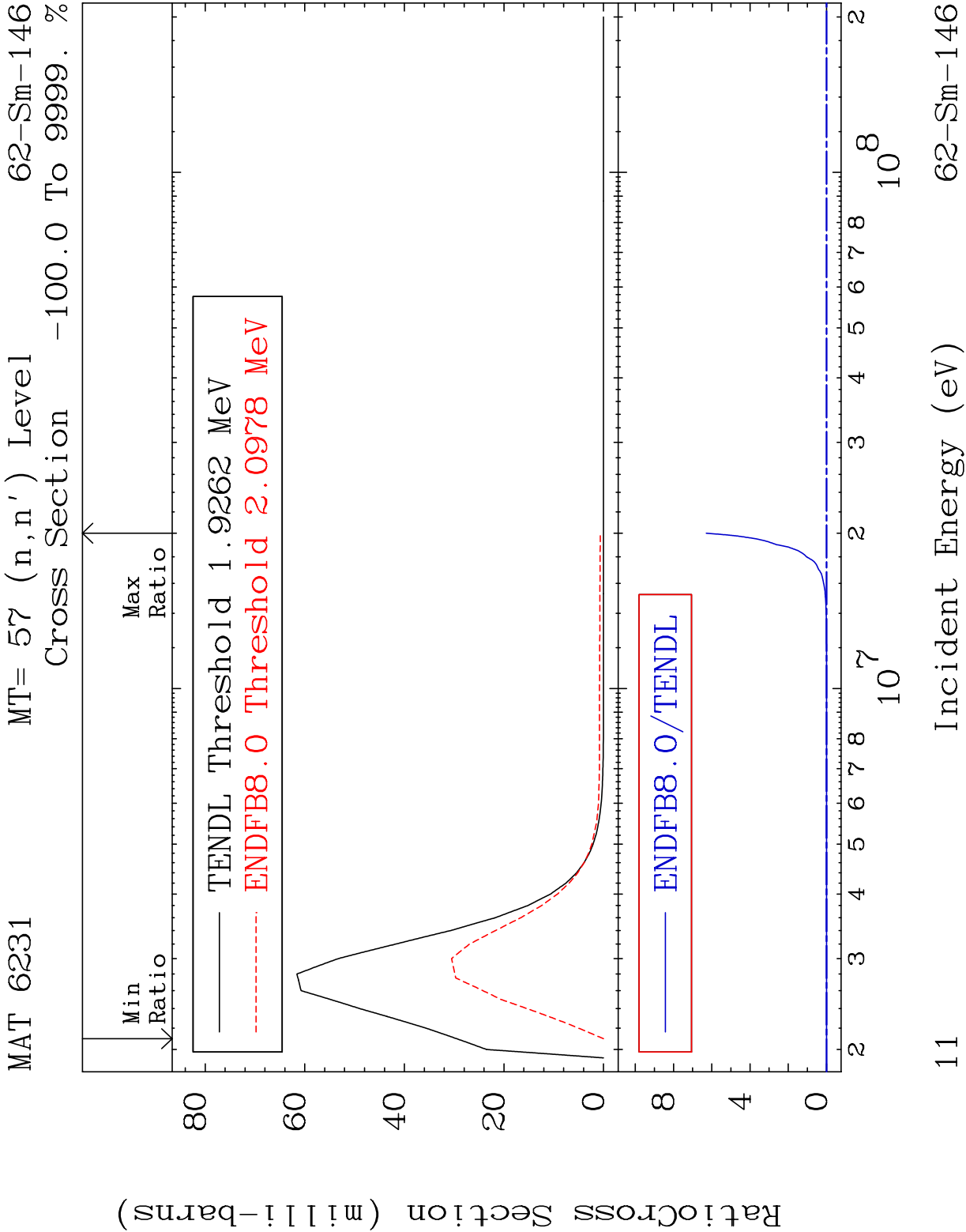


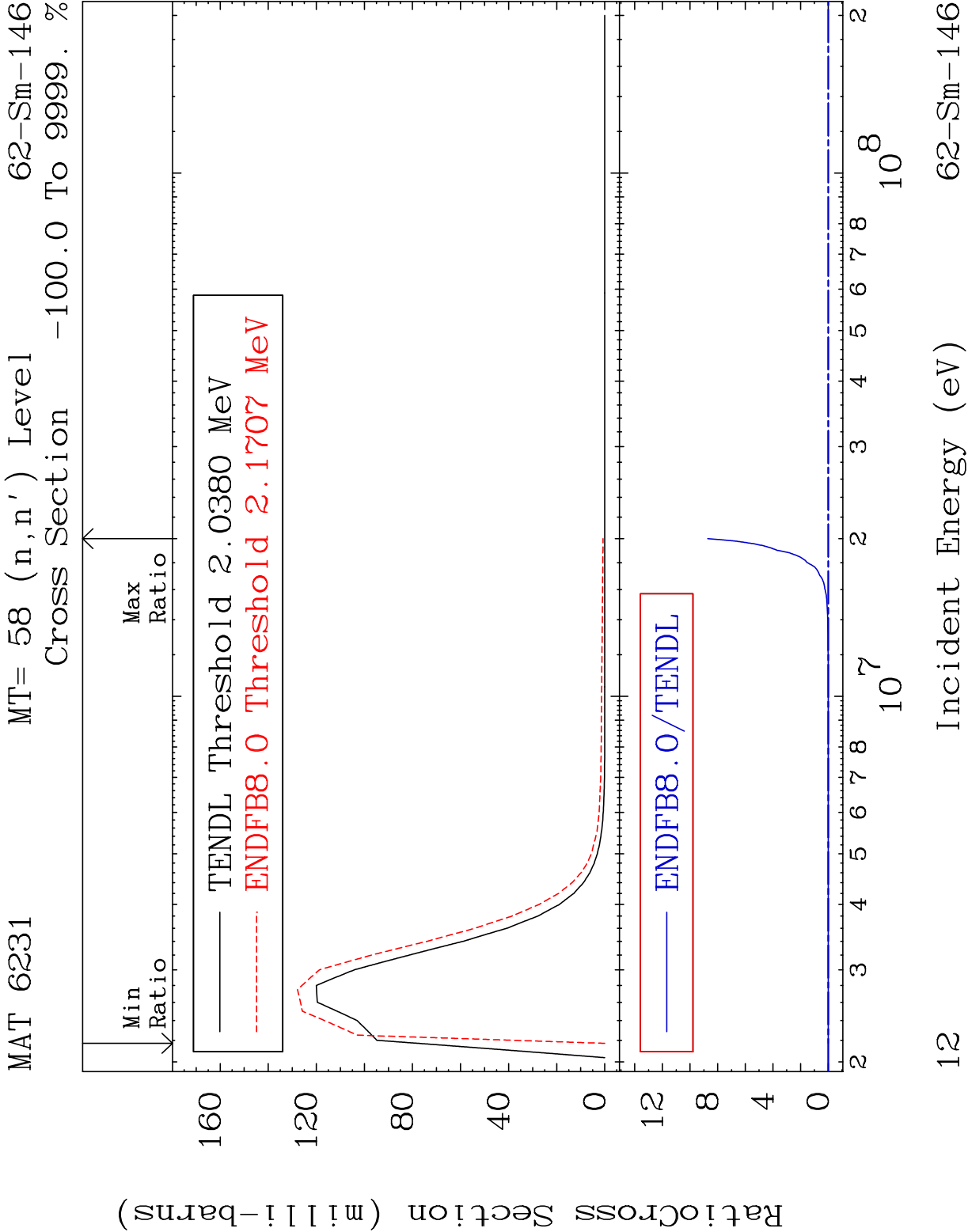


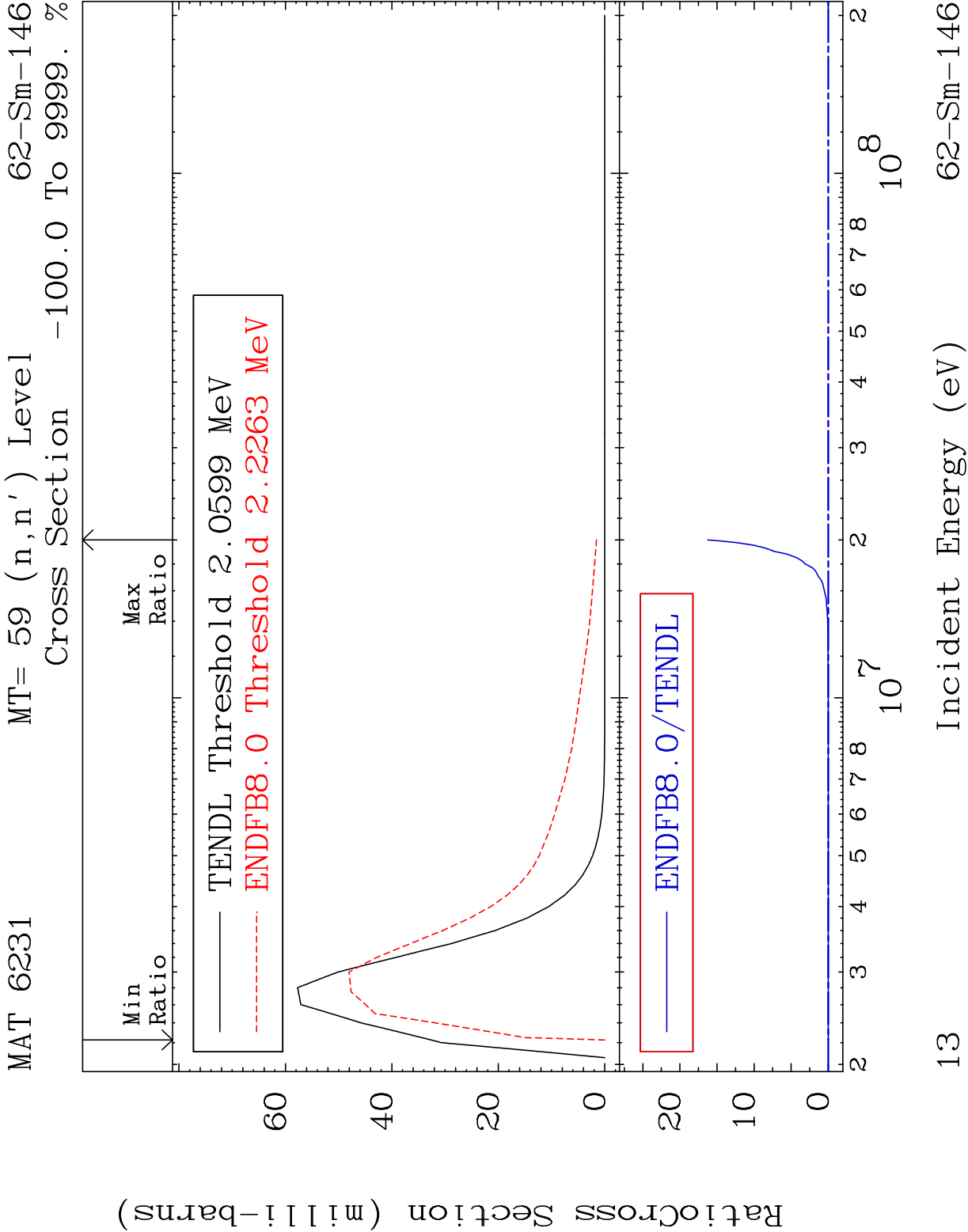
MAT 6231 MT= 56 (n,n') Level 62-Sm-146
Cross Section -100.0 To 223.6 %



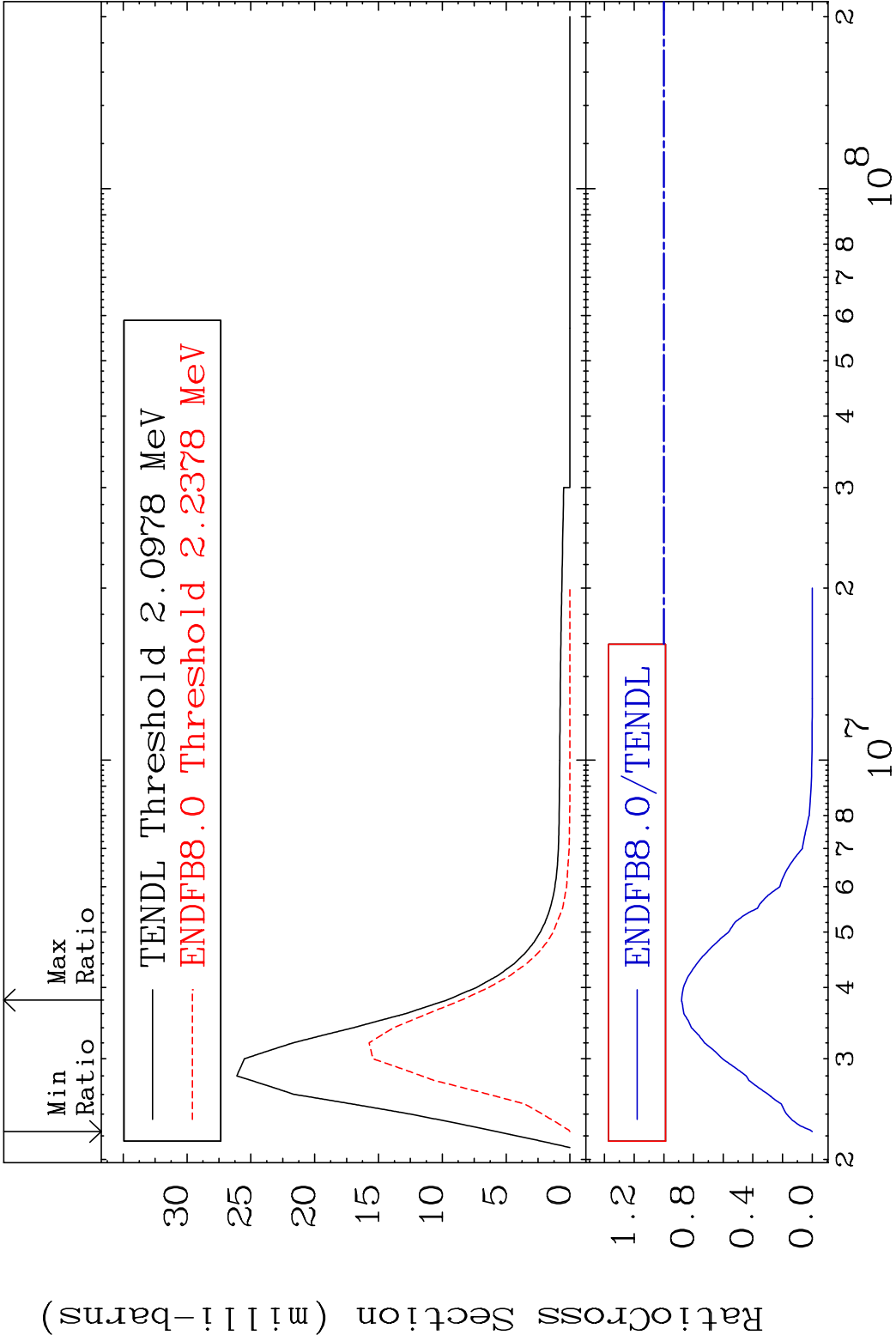
10 Incident Energy (eV) 62-Sm-146



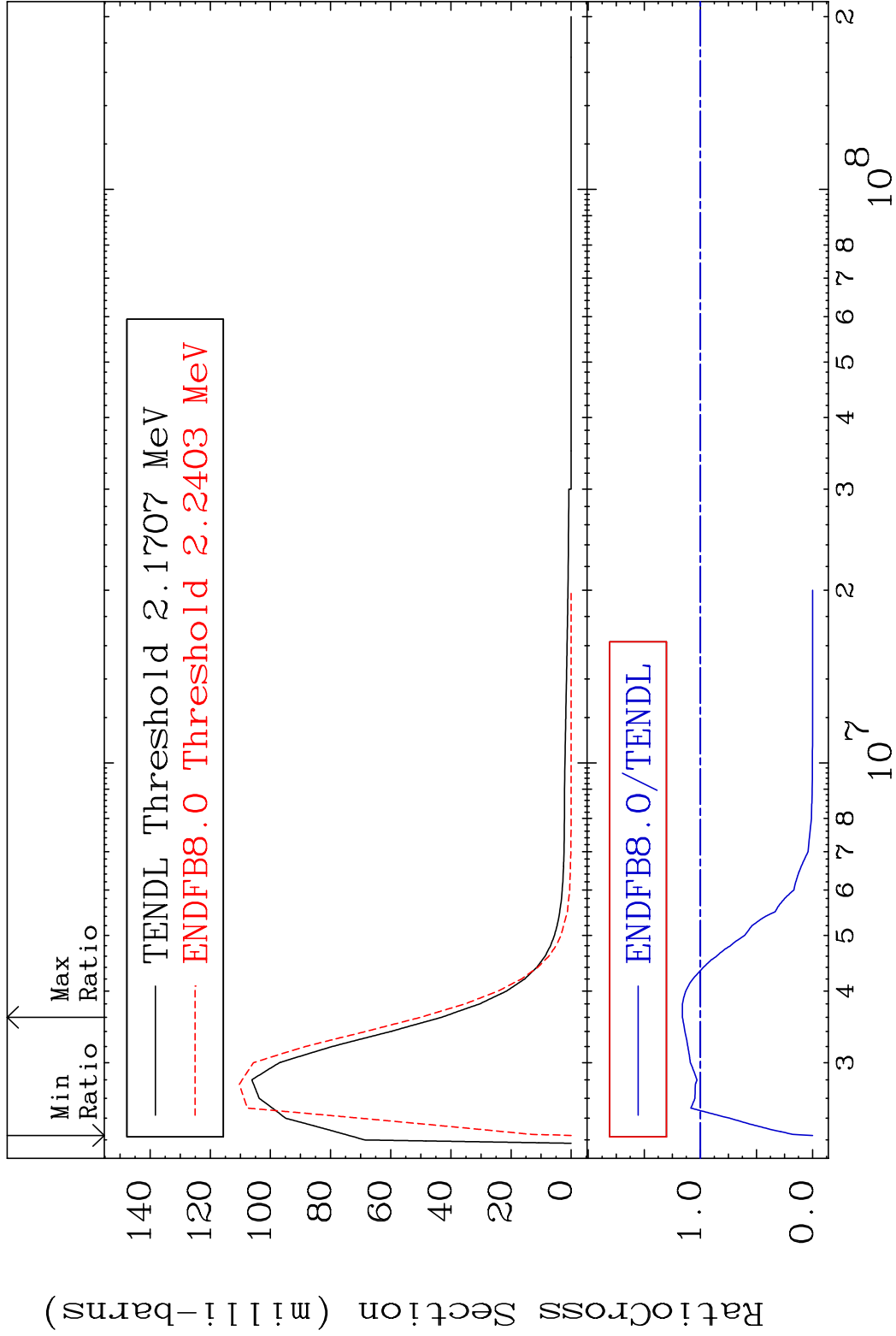




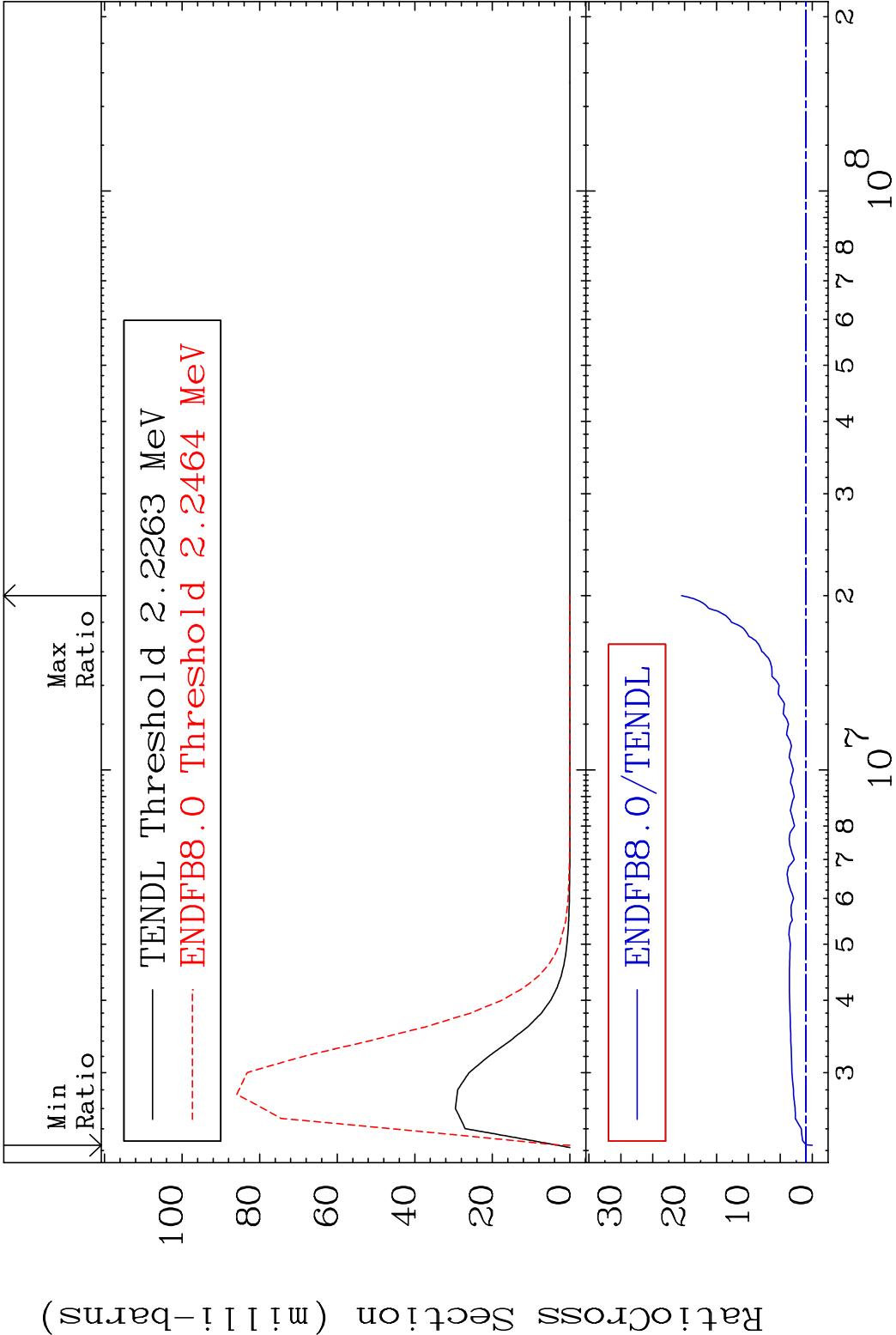
MAT 6231 MT= 60 (n,n') Level 62-Sm-146
Cross Section -100.0 To -11.93%



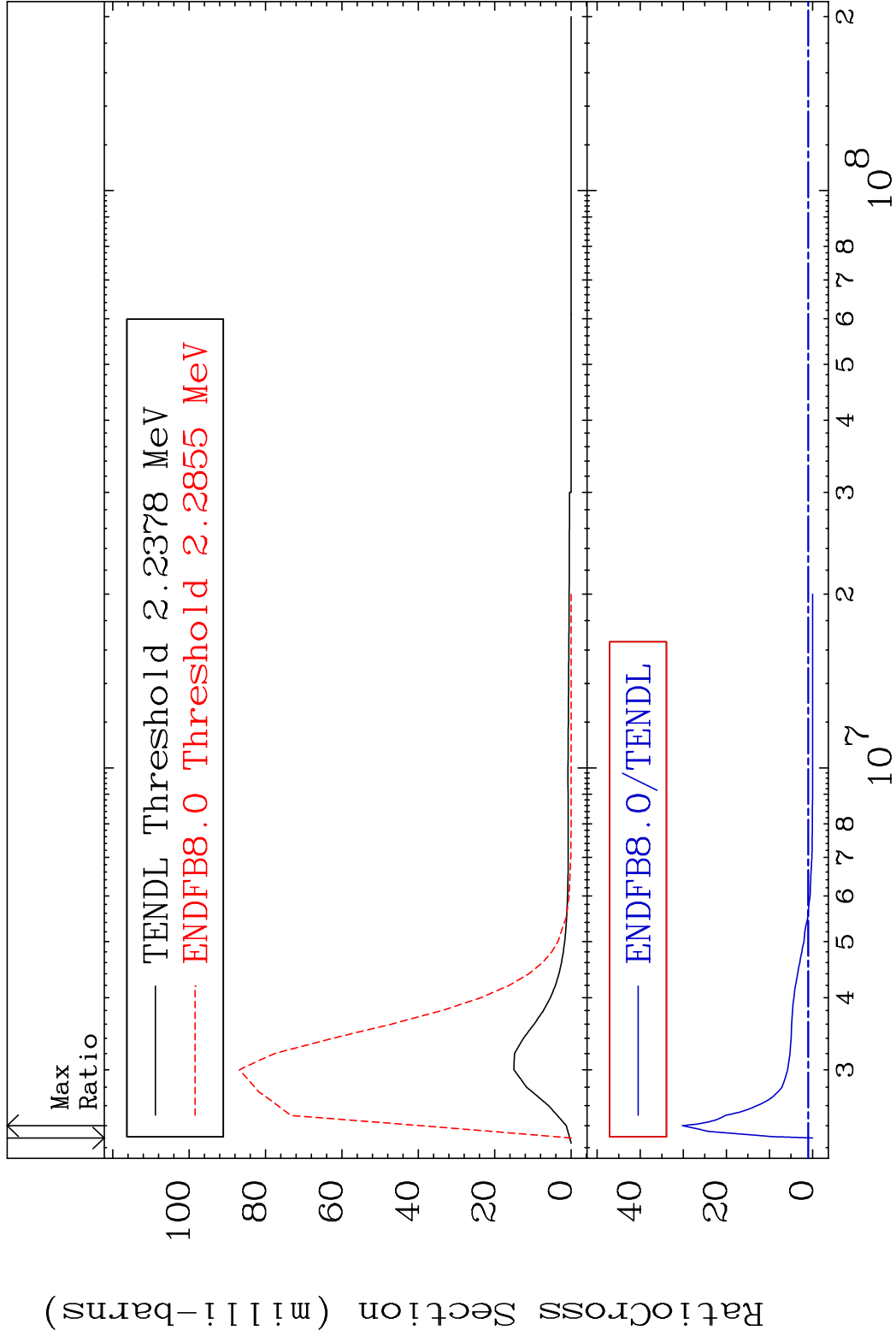
MAT 6231 MT= 61 (n,n') Level 62-Sm-146
Cross Section -100.0 To 16.05 %



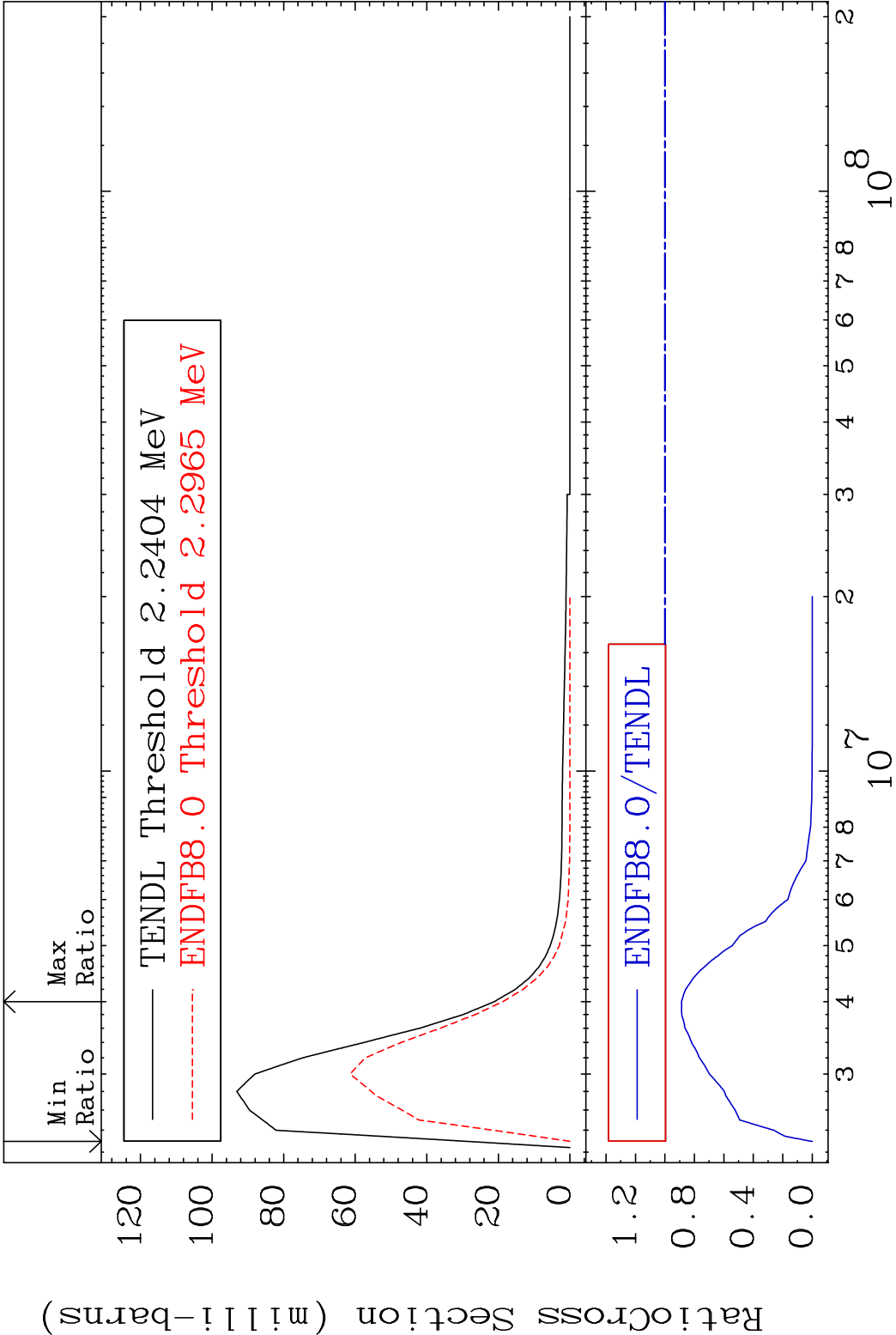
MAT 6231 MT= 62 (n,n') Level 62-Sm-146
Cross Section -100.0 To 1948. %



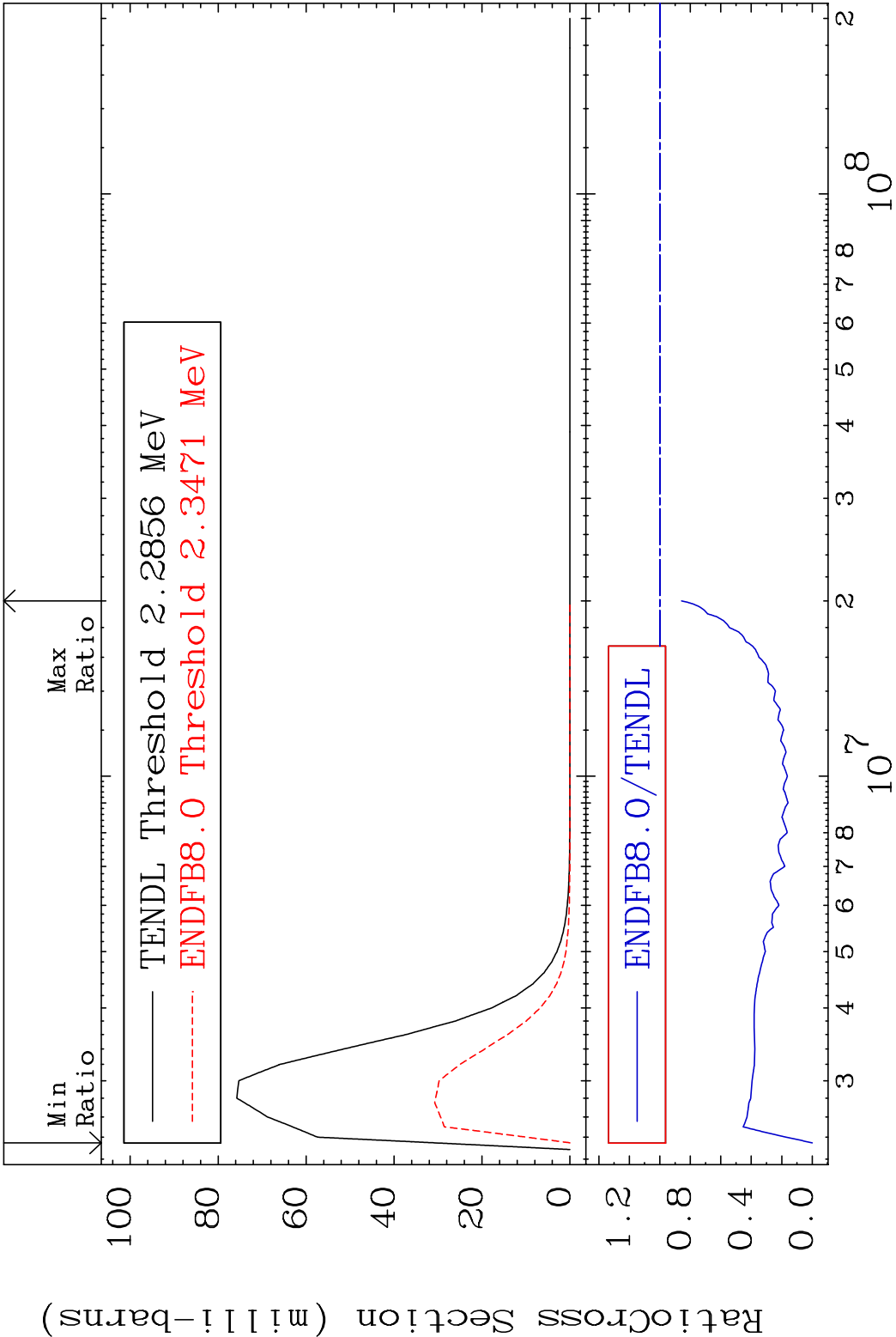
MAT 6231 MT= 63 (n,n') Level 62-Sm-146
Cross Section -100.0 To 2922. %



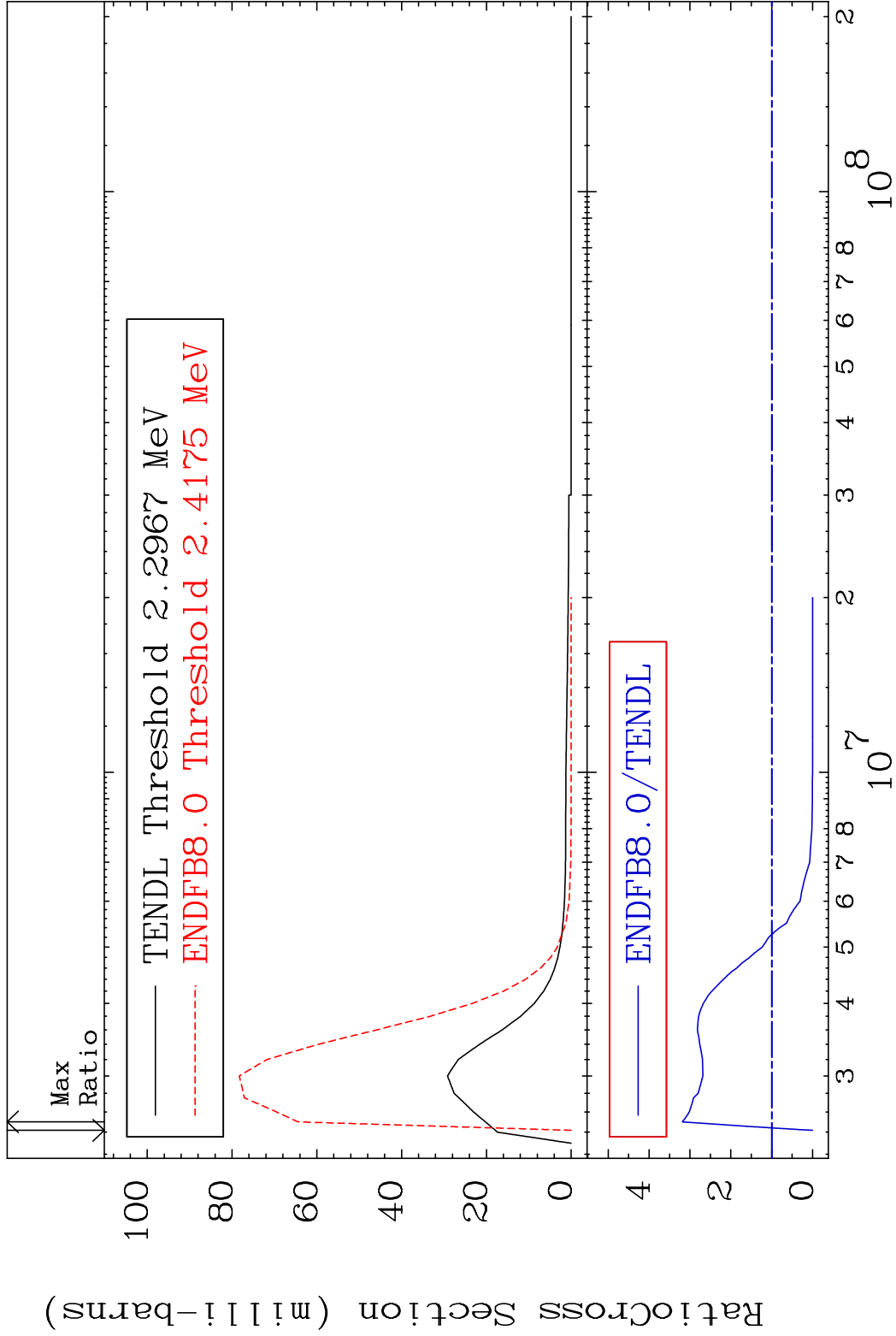
MAT 6231 MT= 64 (n,n') Level 62-Sm-146
Cross Section -100.0 To -11.27%



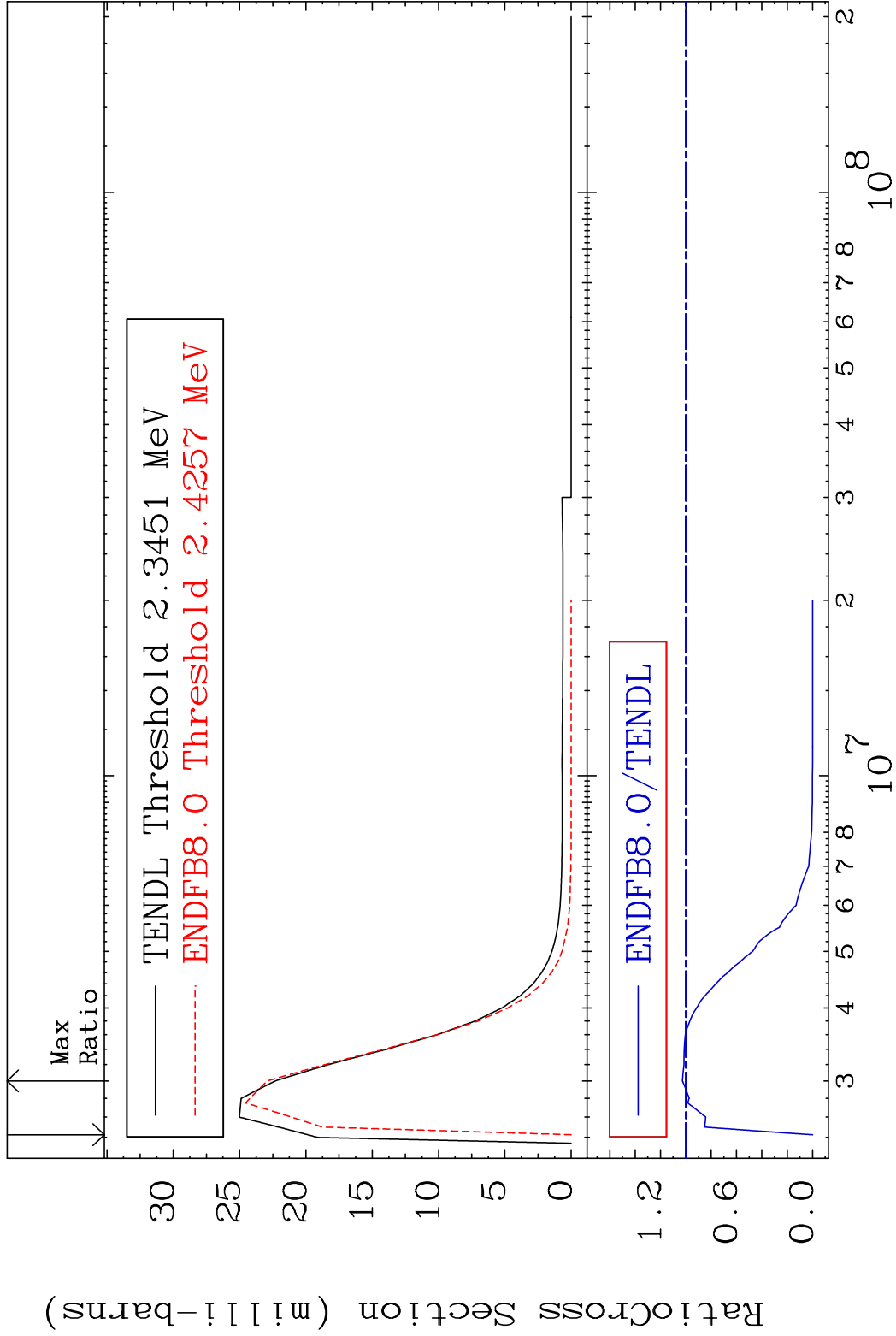
MAT 6231 MT= 65 (n,n') Level 62-Sm-146
 Cross Section -100.0 To -14.24%



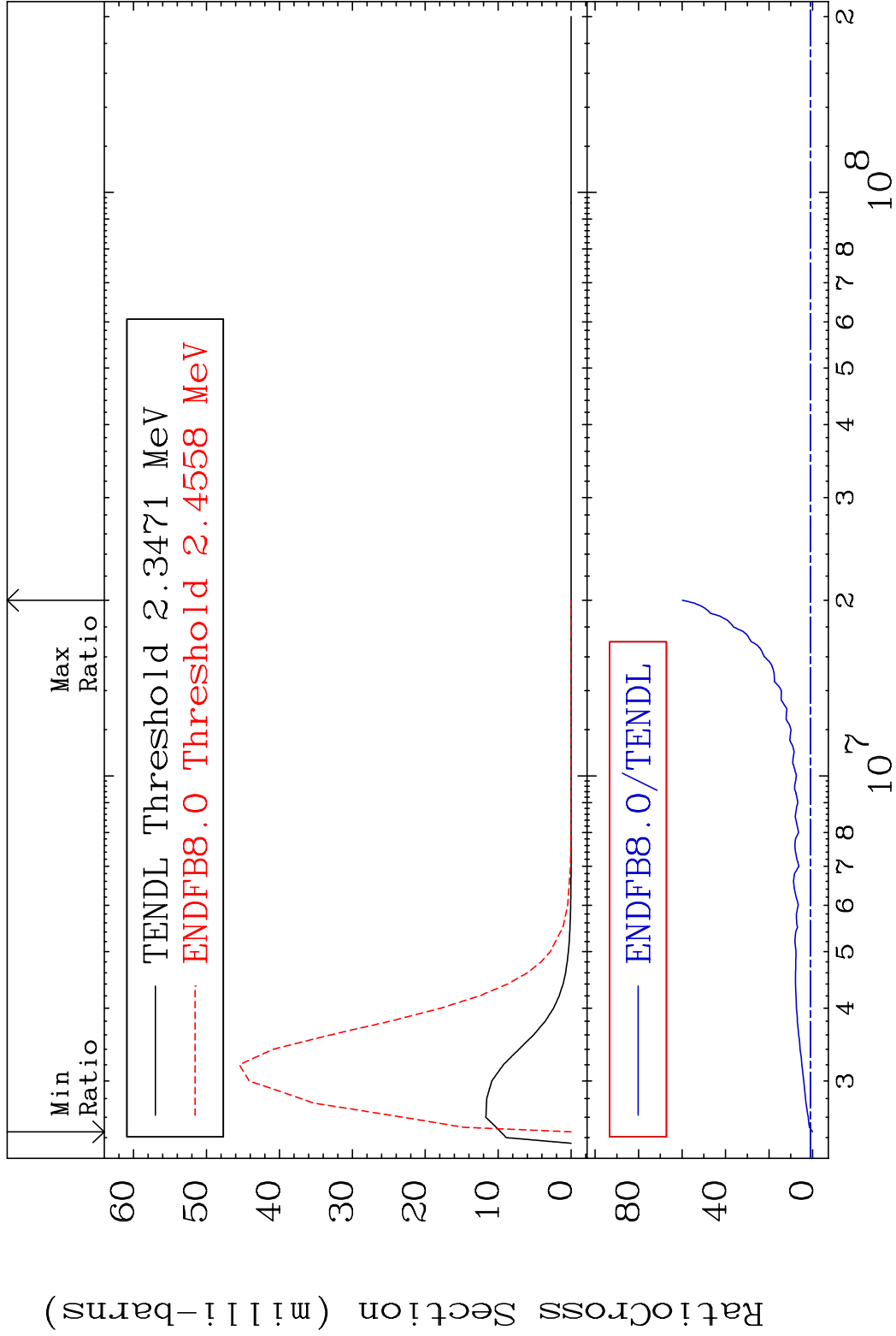
MAT 6231 MT= 66 (n,n') Level 62-Sm-146
Cross Section -100.0 To 218.6 %



MAT 6231 MT= 67 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 2.733 %



MAT 6231 MT= 68 (n,n') Level 62-Sm-146
Cross Section -100.0 To 5888. %



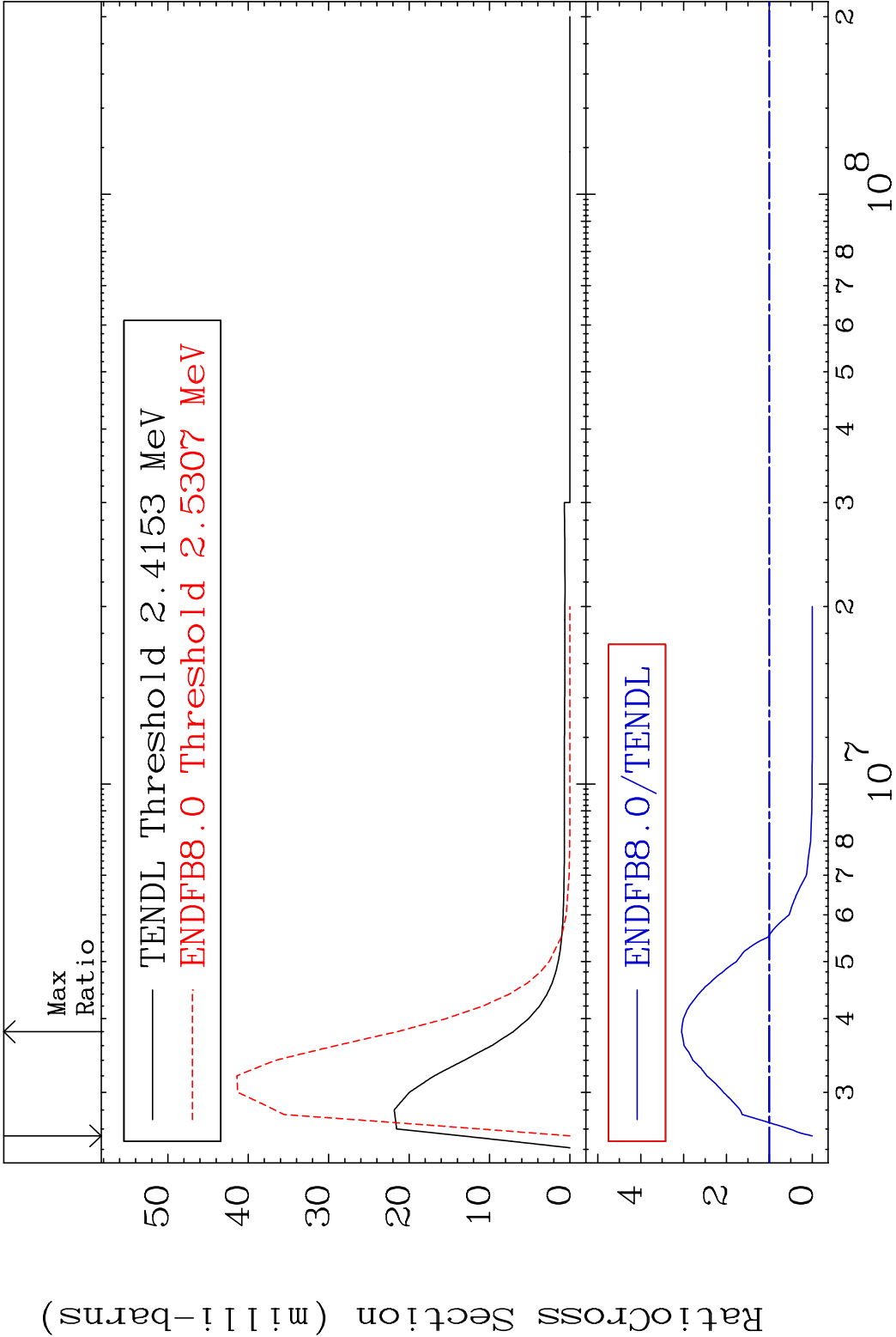
MAT 6231

MT= 69 (n,n') Level

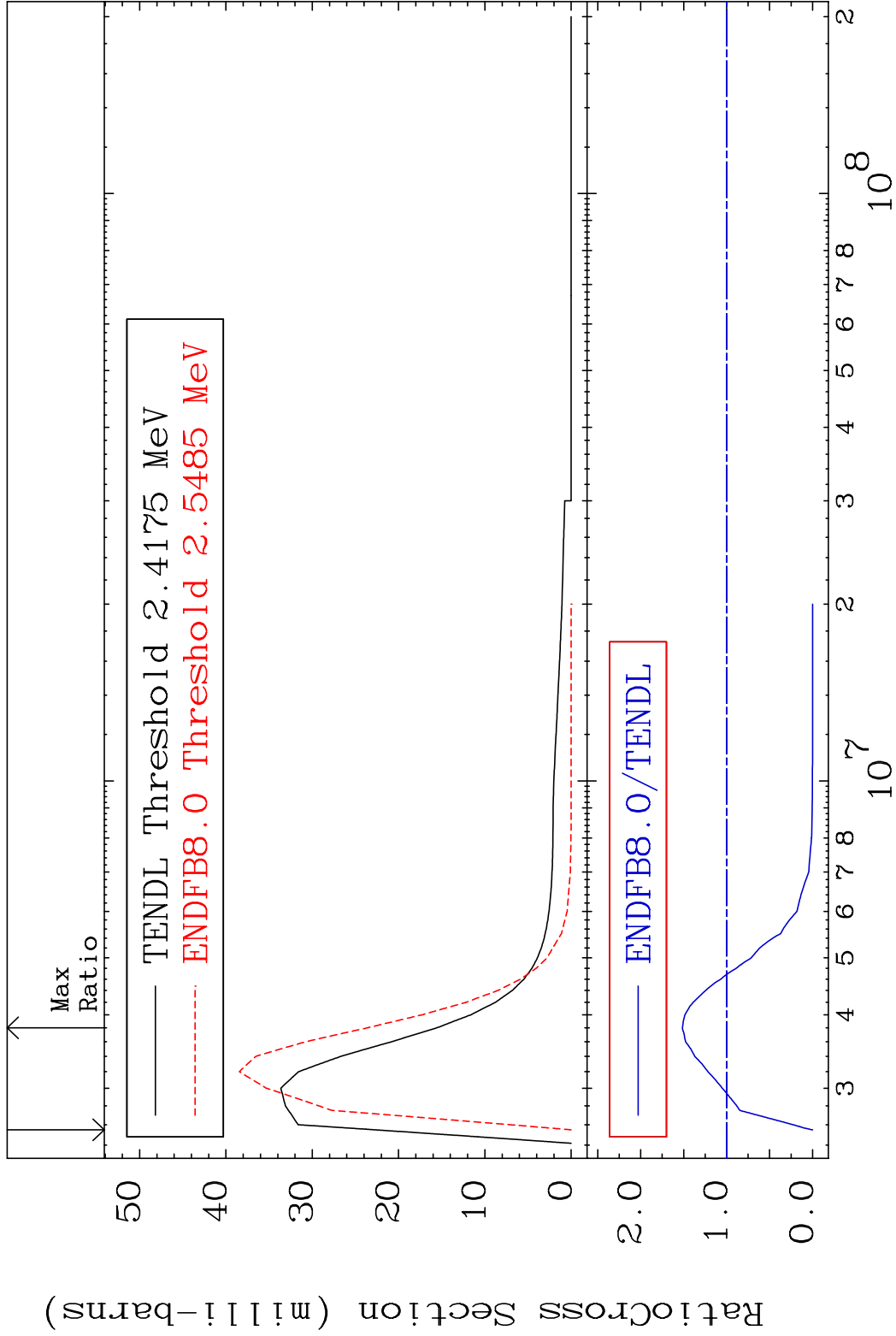
62-Sm-146

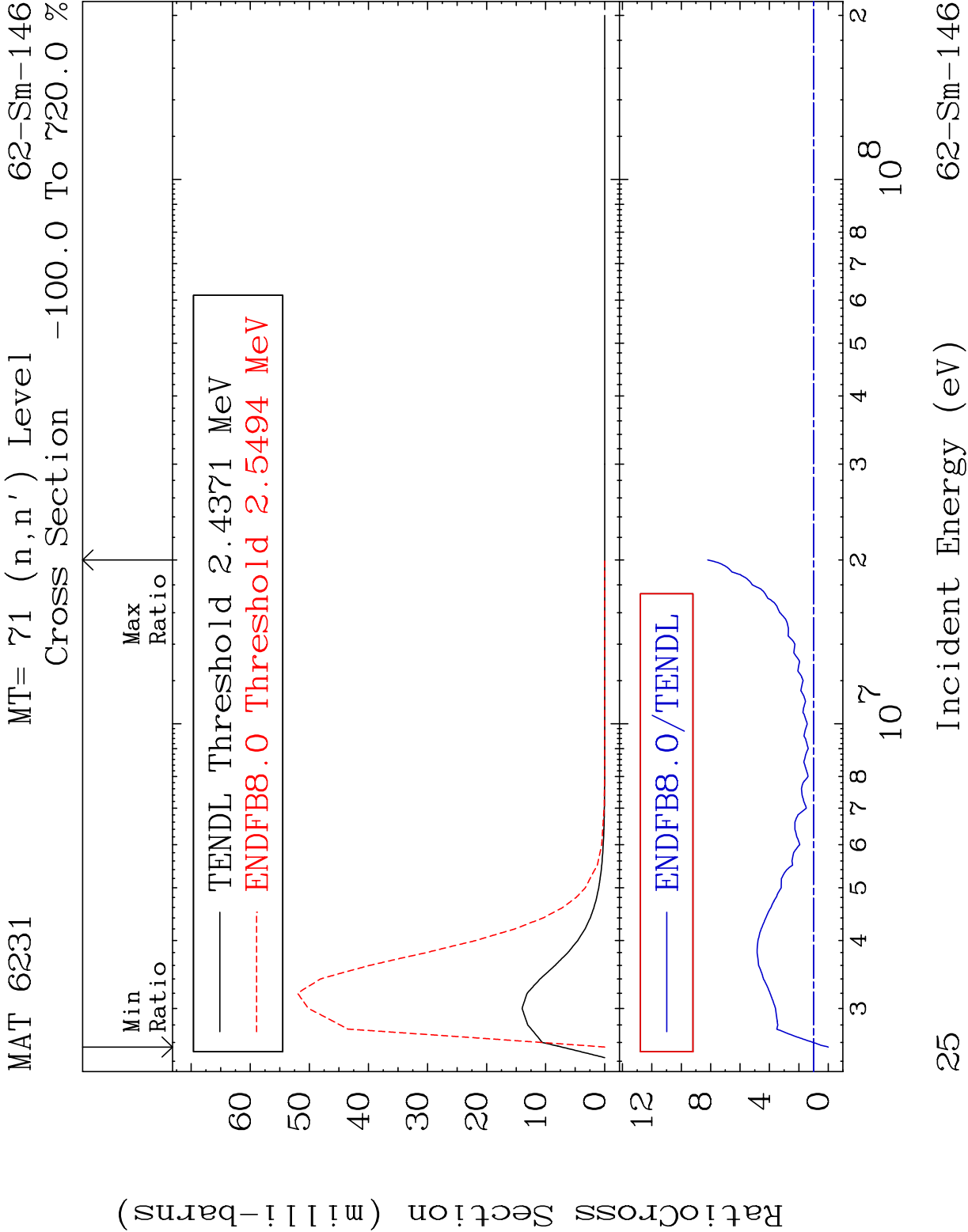
Cross Section

-100.0 To 204.9 %

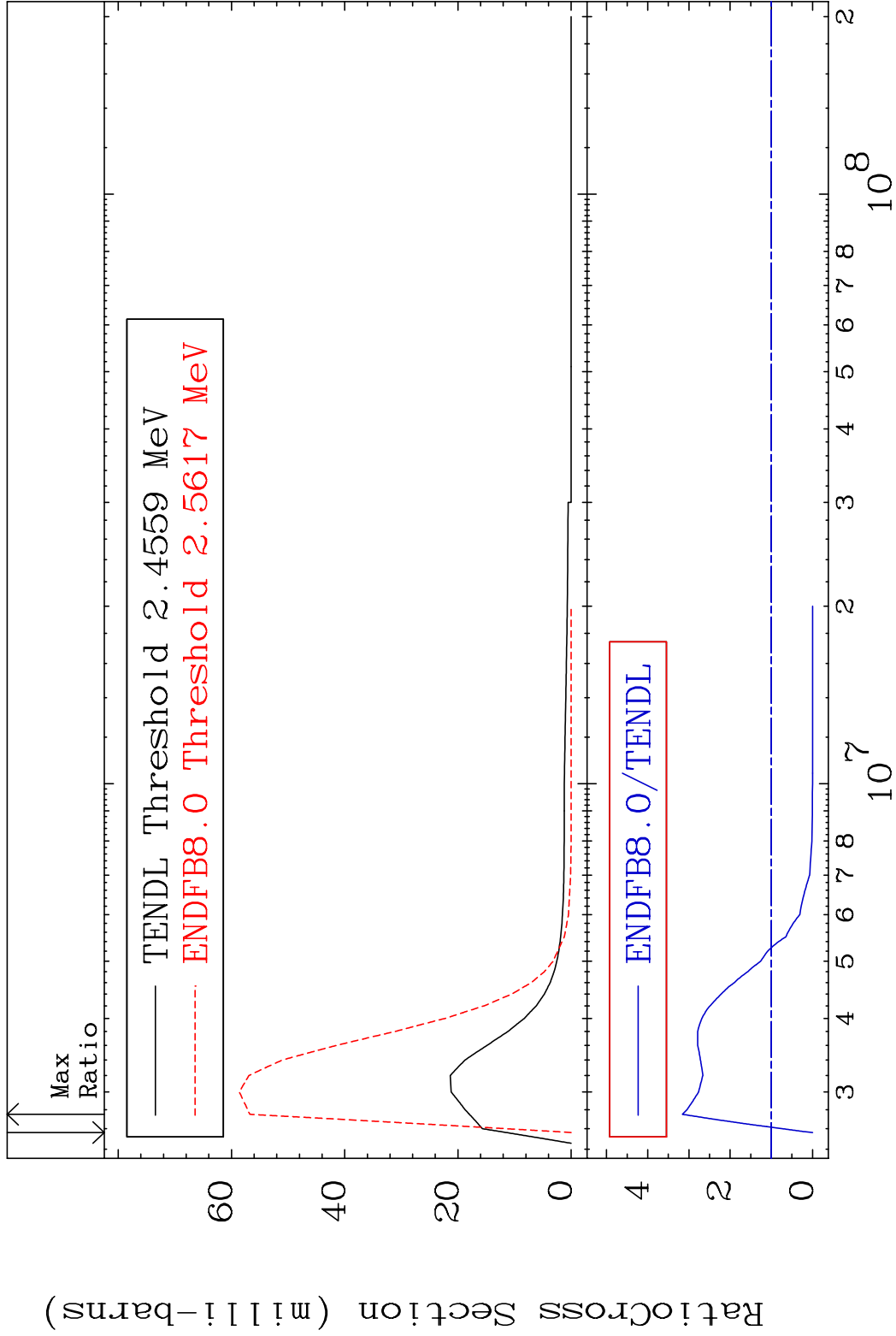


MAT 6231 MT= 70 (n,n') Level 62-Sm-146
Cross Section -100.0 To 51.54 %

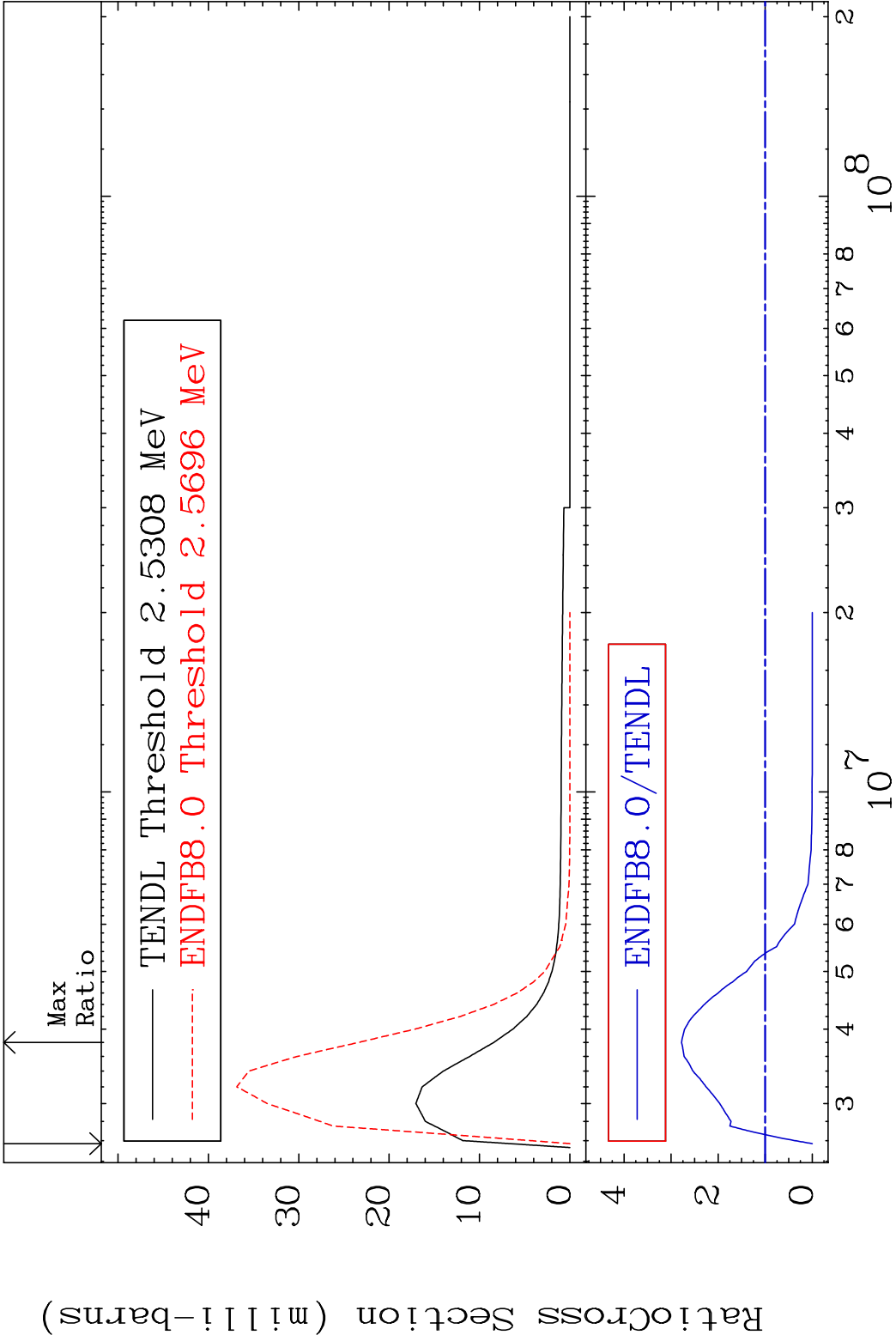




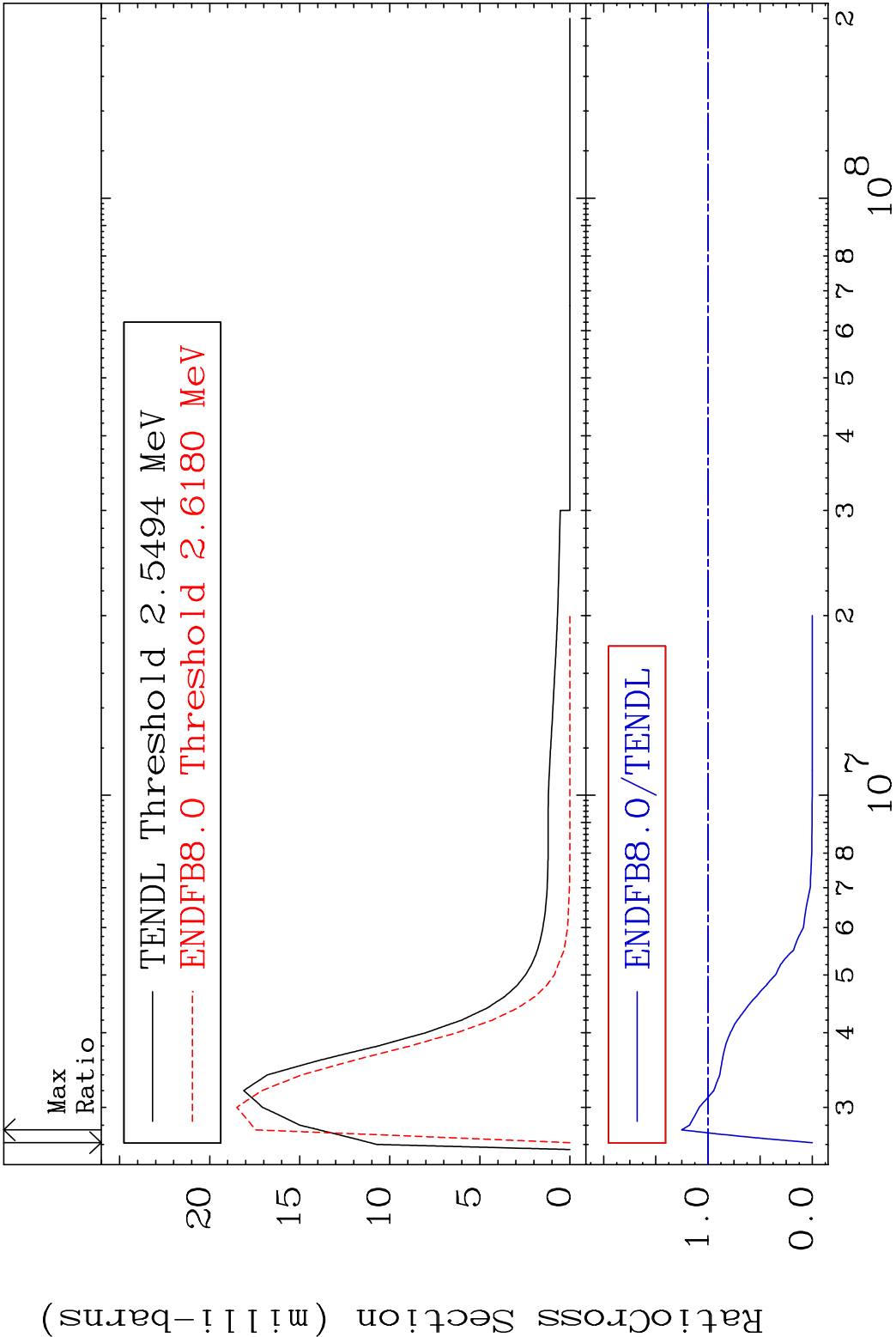
MAT 6231 MT= 72 (n,n') Level 62-Sm-146
Cross Section -100.0 To 216.0 %



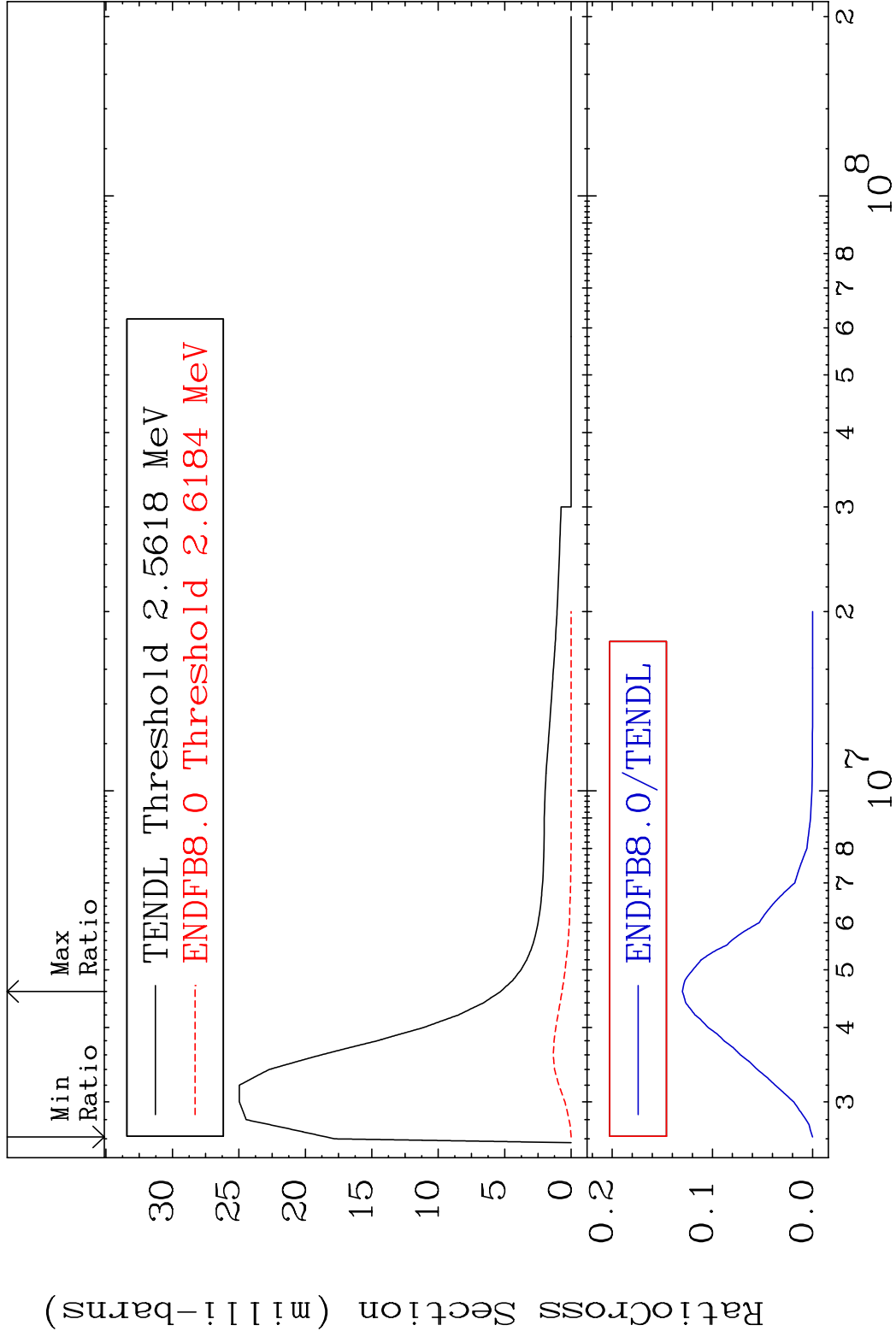
MAT 6231 MT= 73 (n,n') Level 62-Sm-146
Cross Section -100.0 To 177.8 %



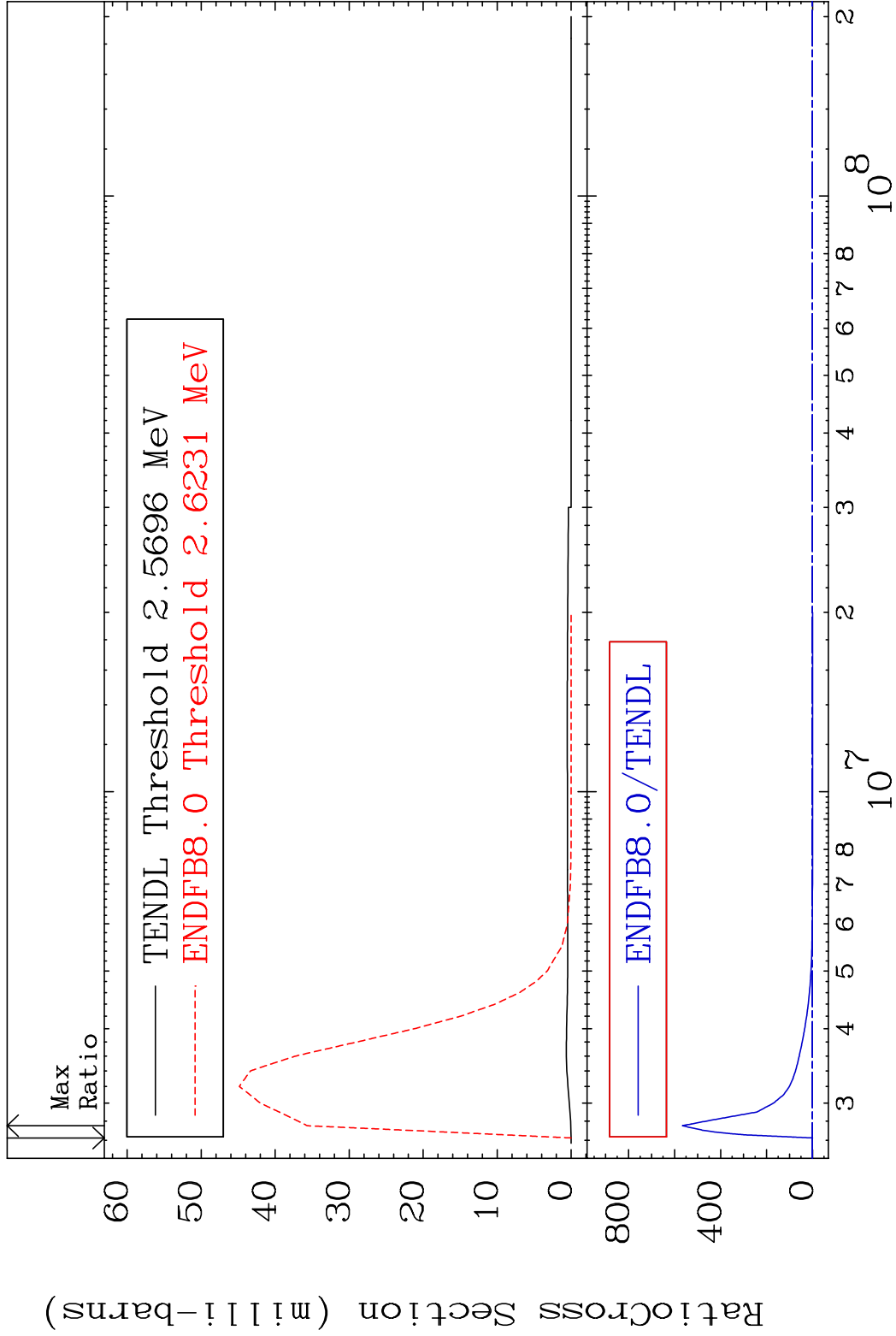
MAT 6231 MT= 74 (n,n') Level 62-Sm-146
 Cross Section -100.0 To 25.33 %



MAT 6231 MT= 75 (n,n') Level 62-Sm-146
Cross Section -100.0 To -87.00%



MAT 6231 MT= 76 (n,n') Level 62-Sm-146
Cross Section -100.0 To 9999. %



30 Incident Energy (eV) 62-Sm-146

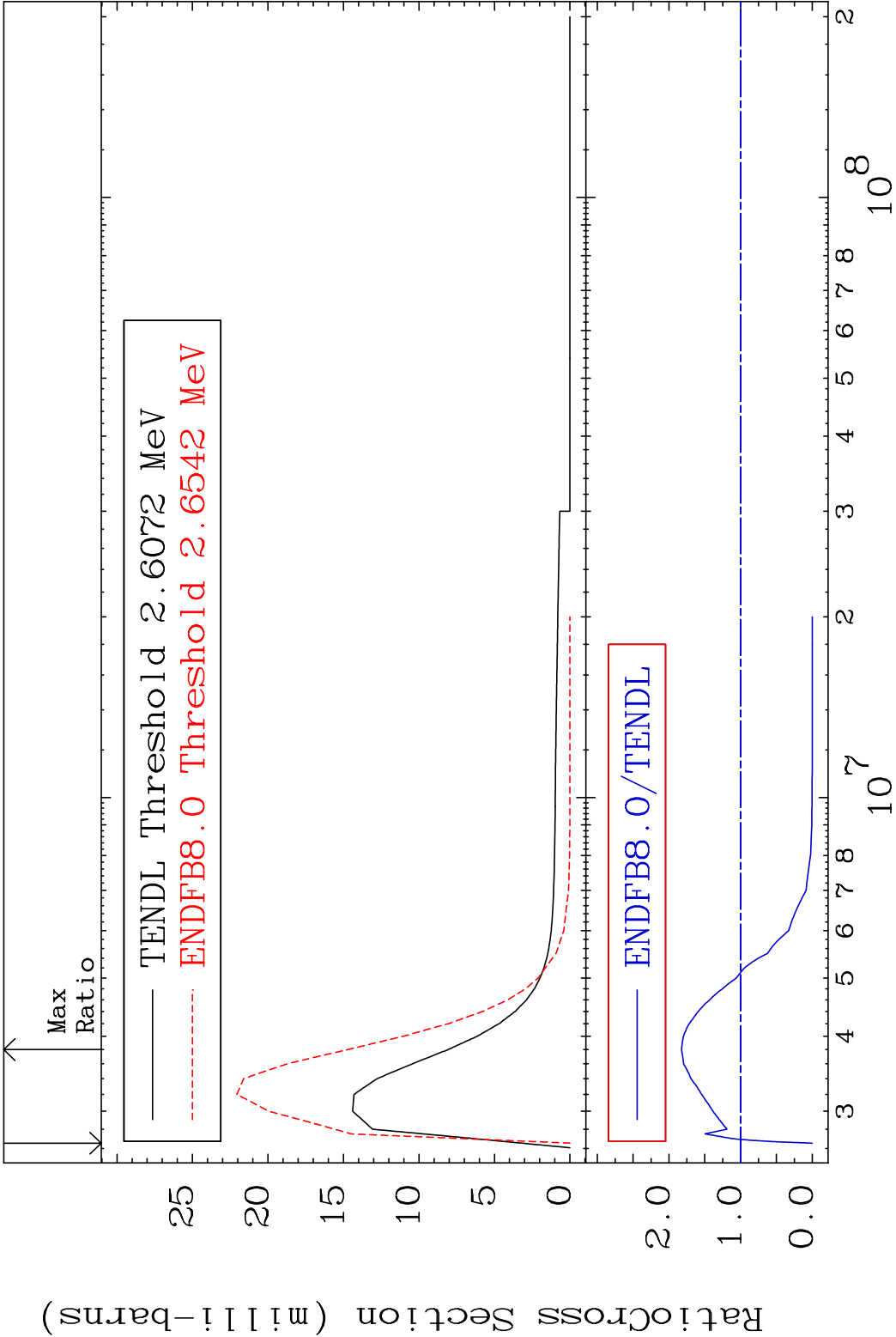
MAT 6231

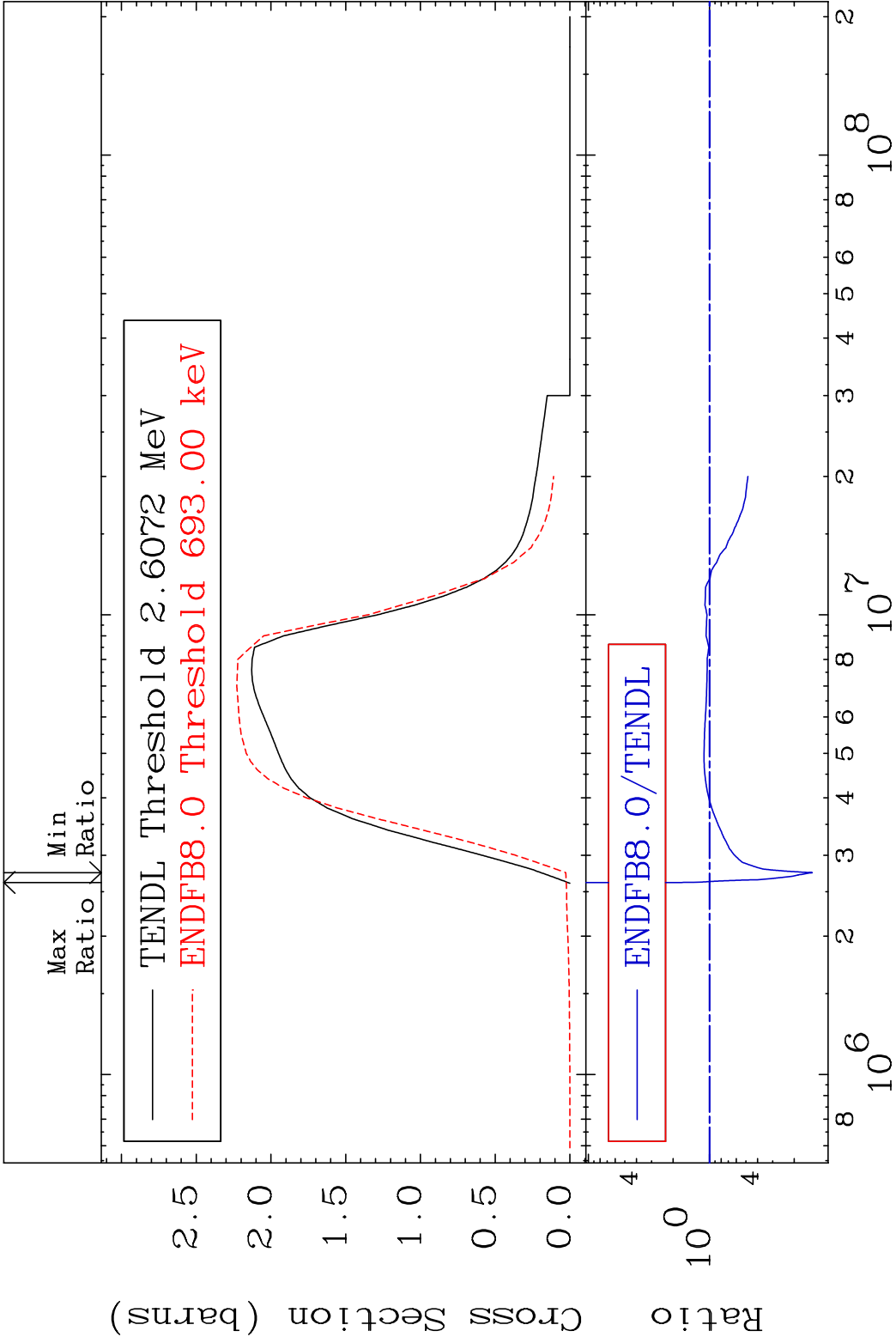
MT= 77 (n,n') Level

62-Sm-146

Cross Section

-100.0 To 82.44 %



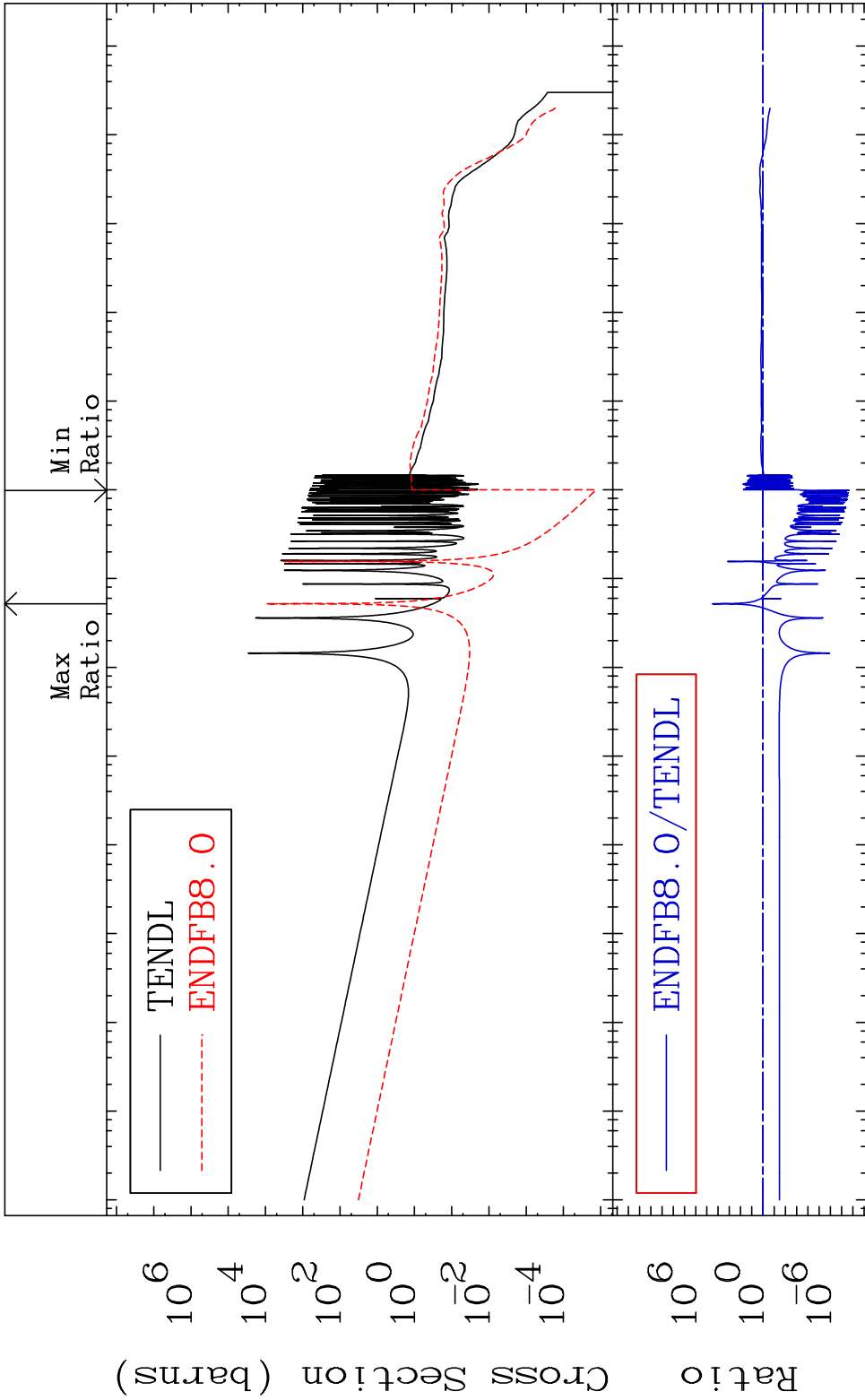


MAT 6231

(n, γ)

62-Sm-146

Cross Section -100.0 To 9999. %

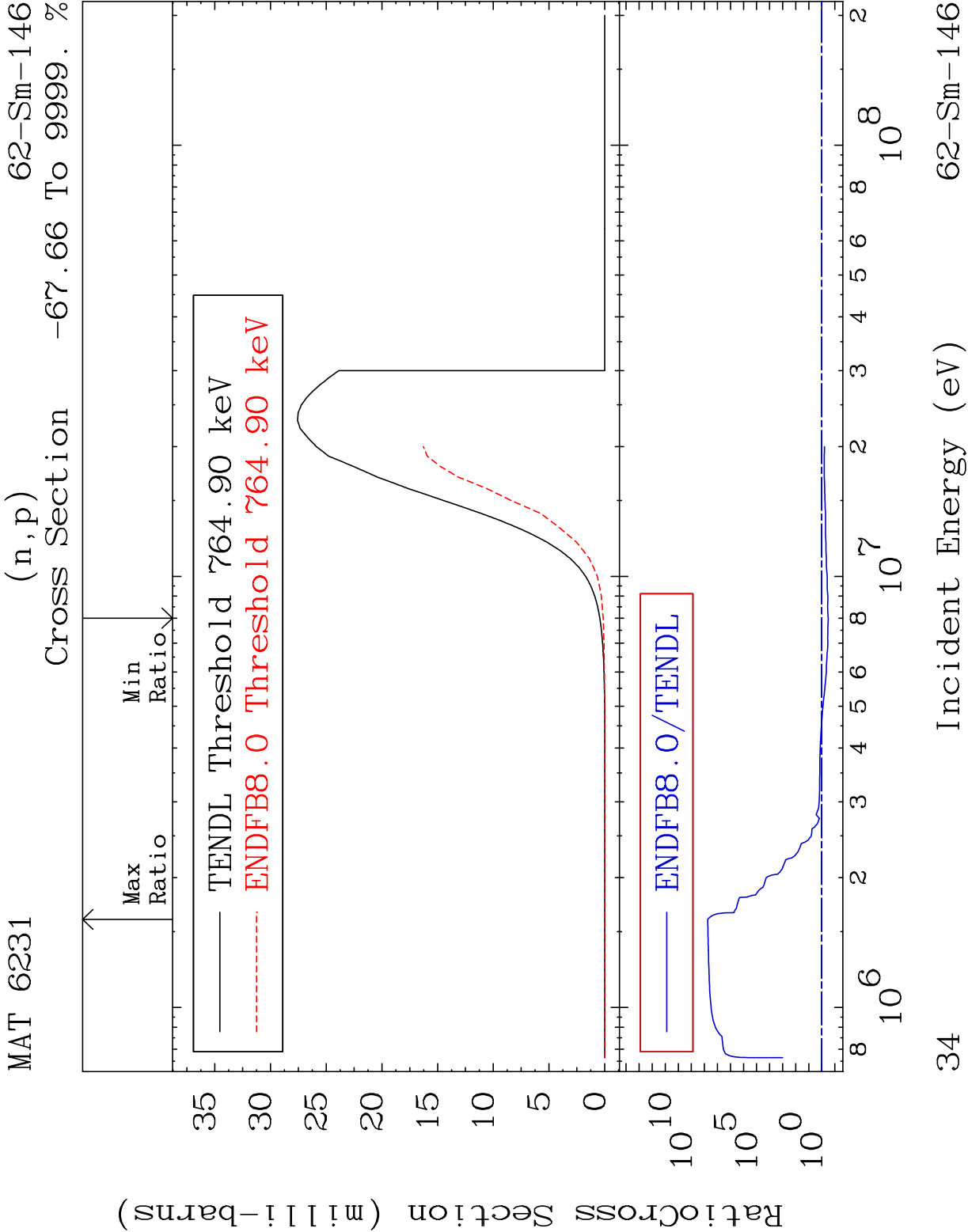


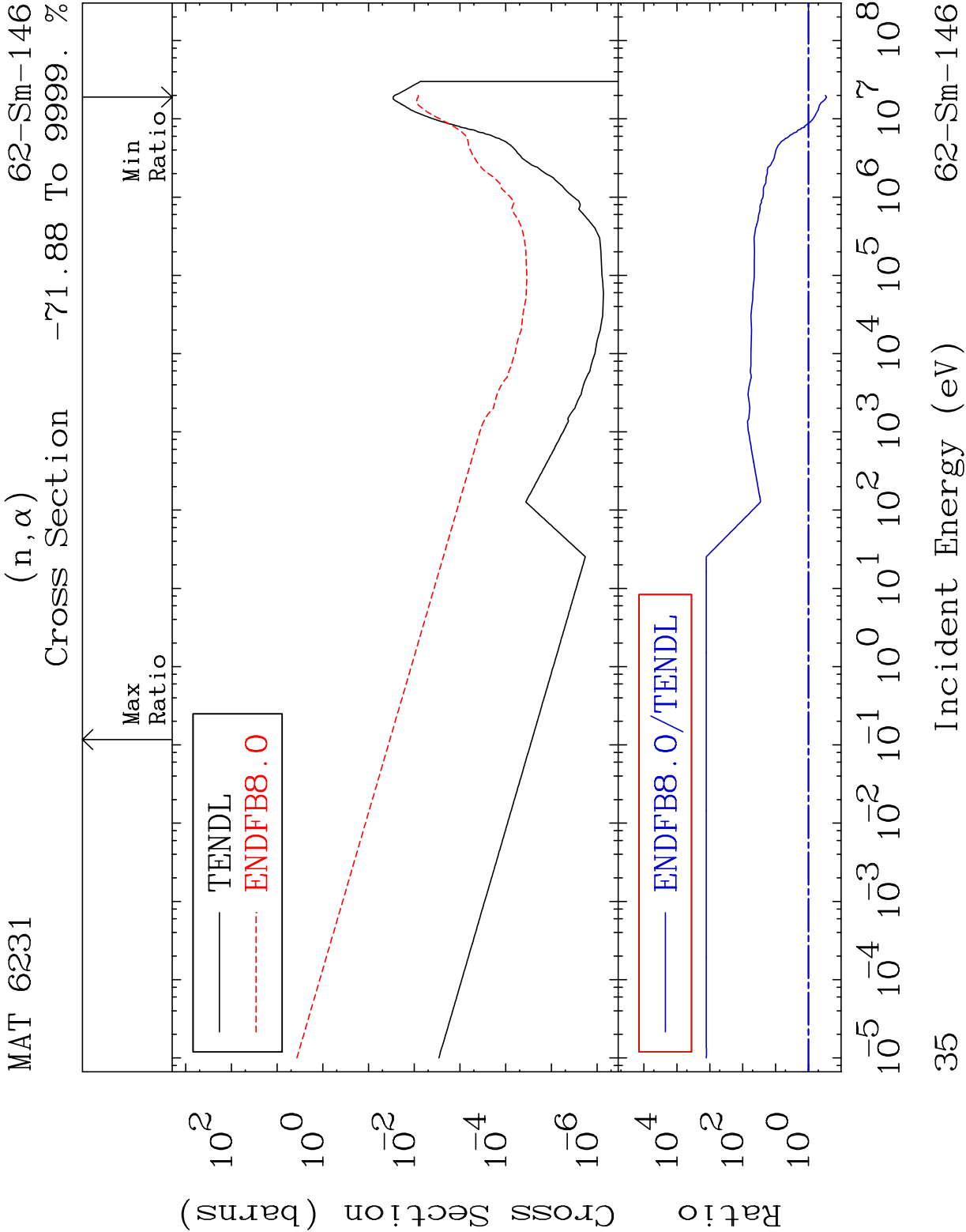
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

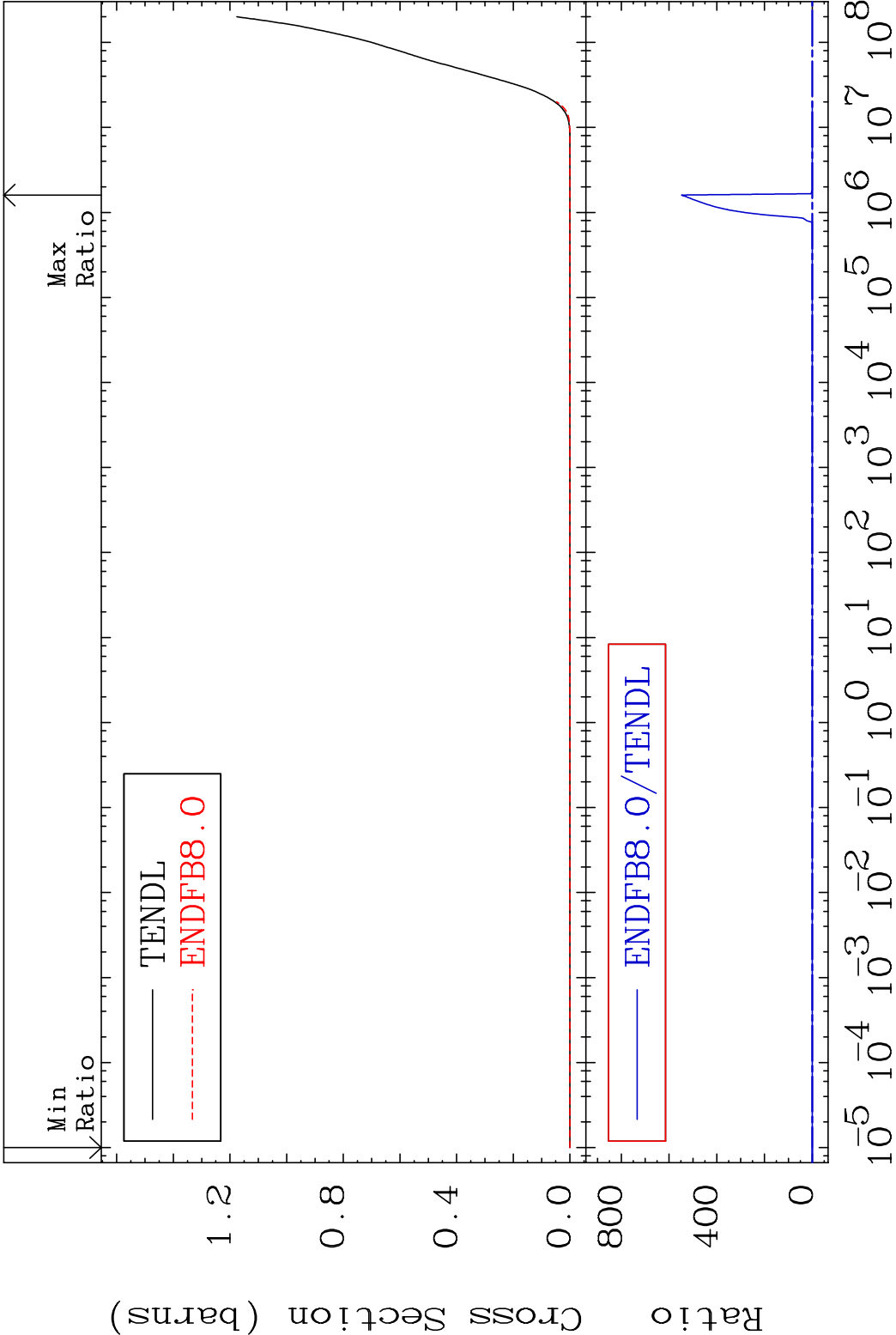
33

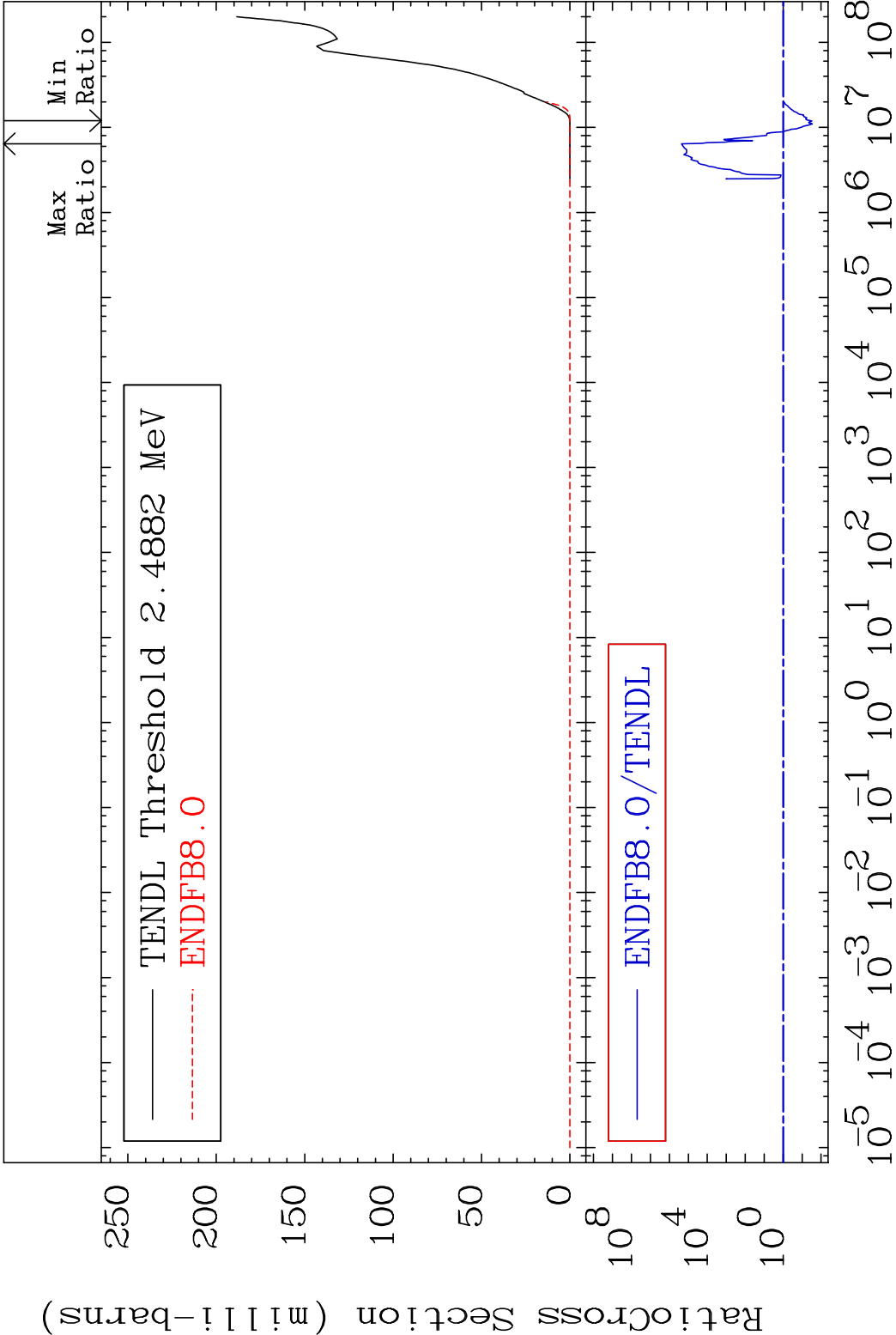
Incident Energy (eV)

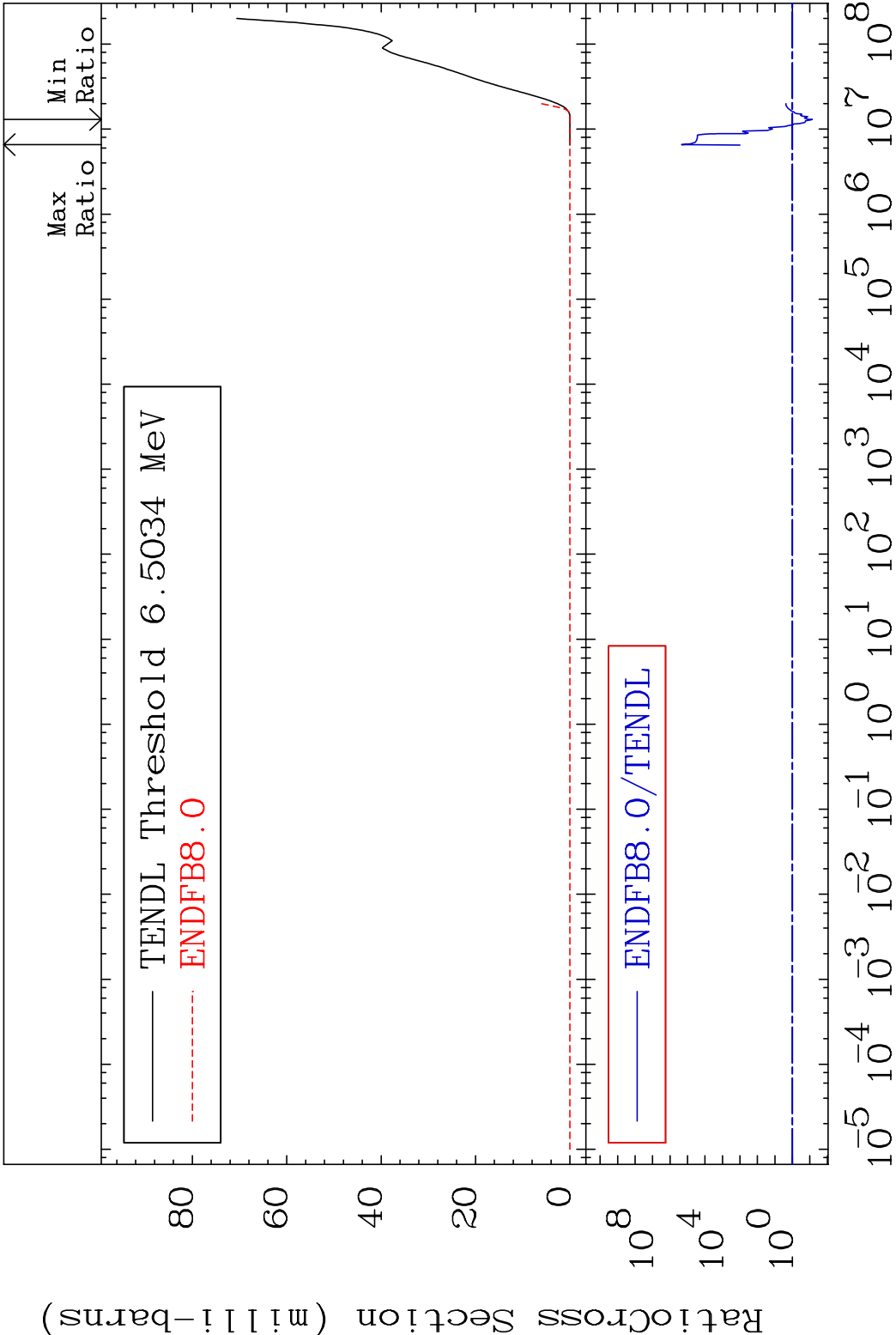
62-Sm-146

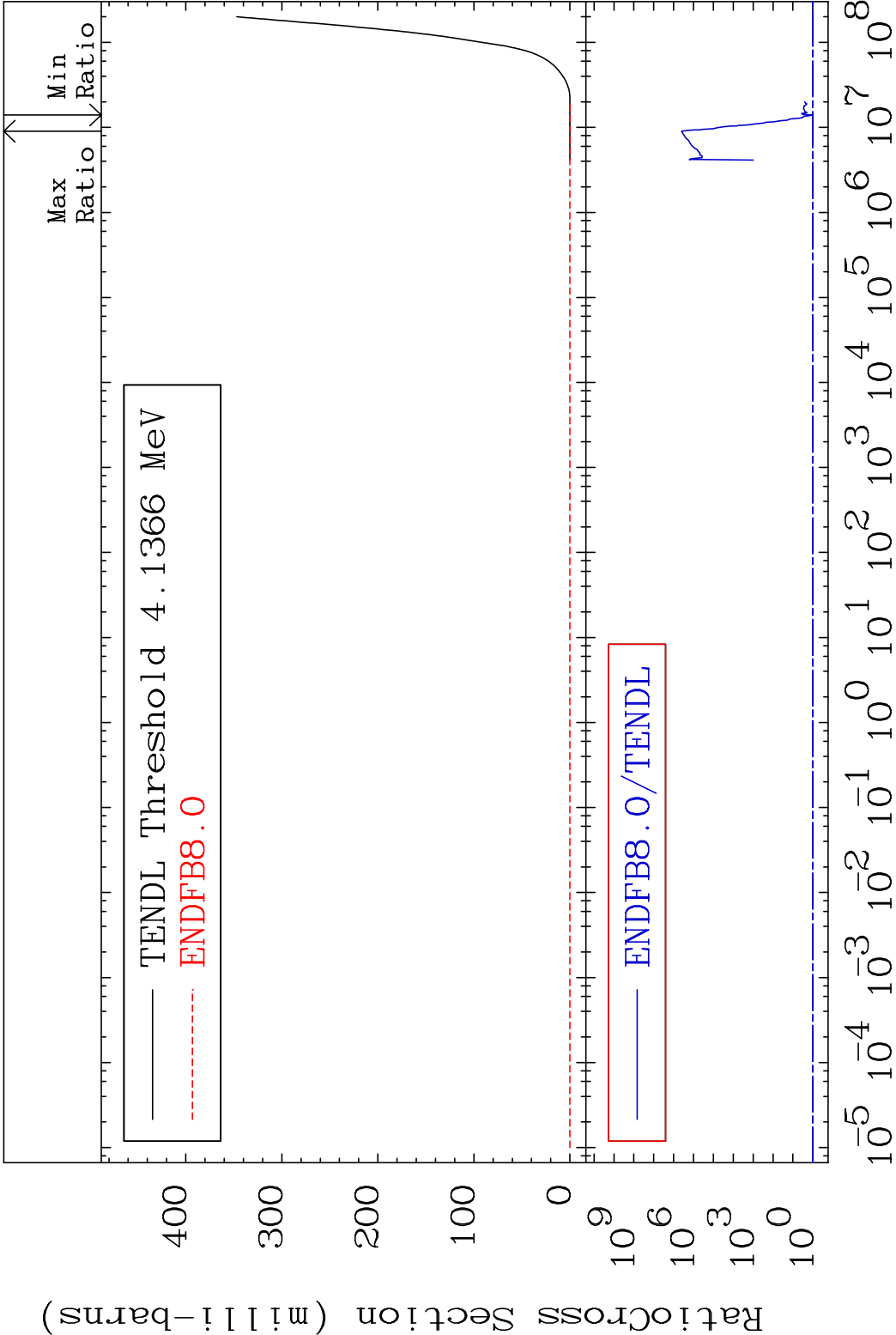


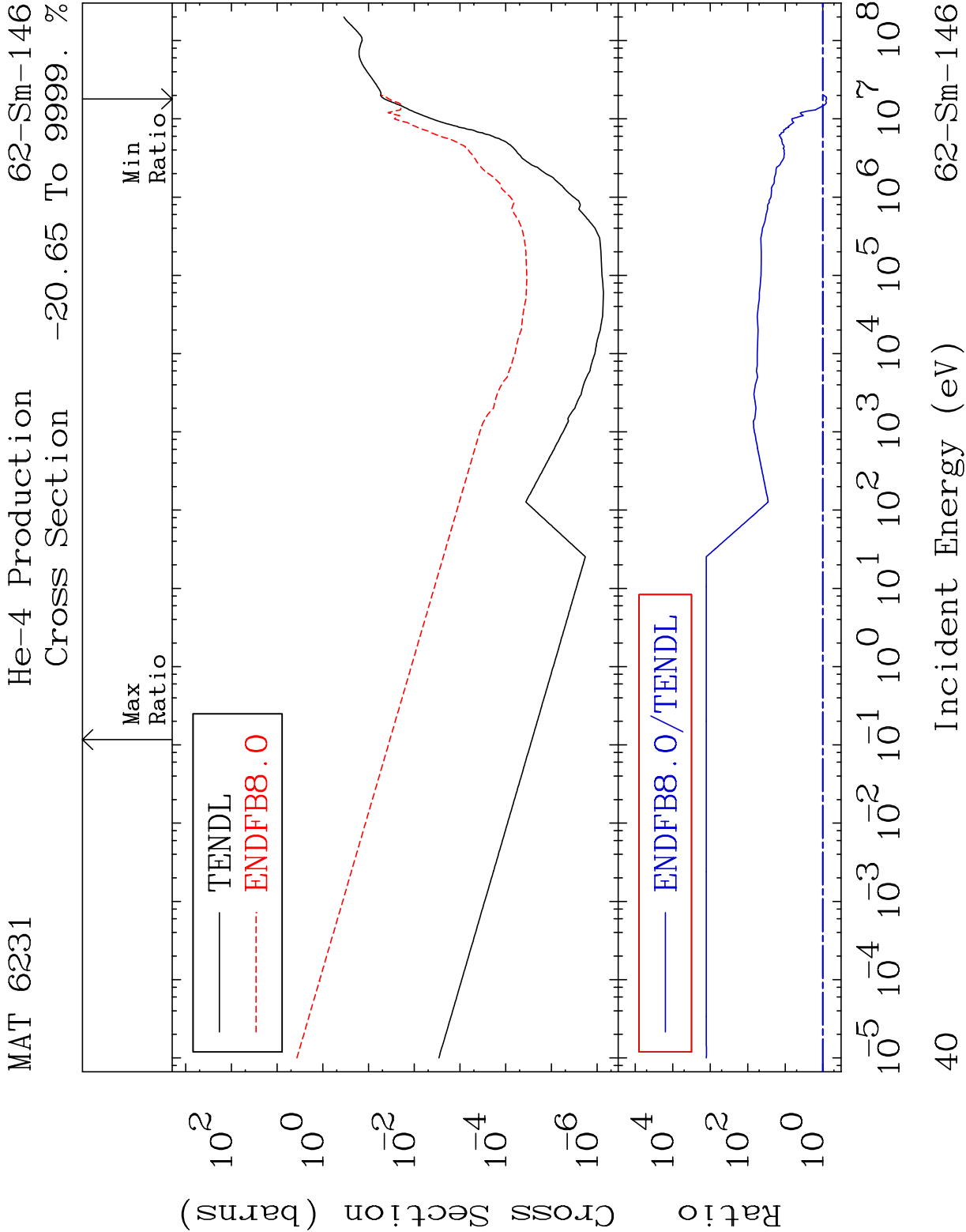










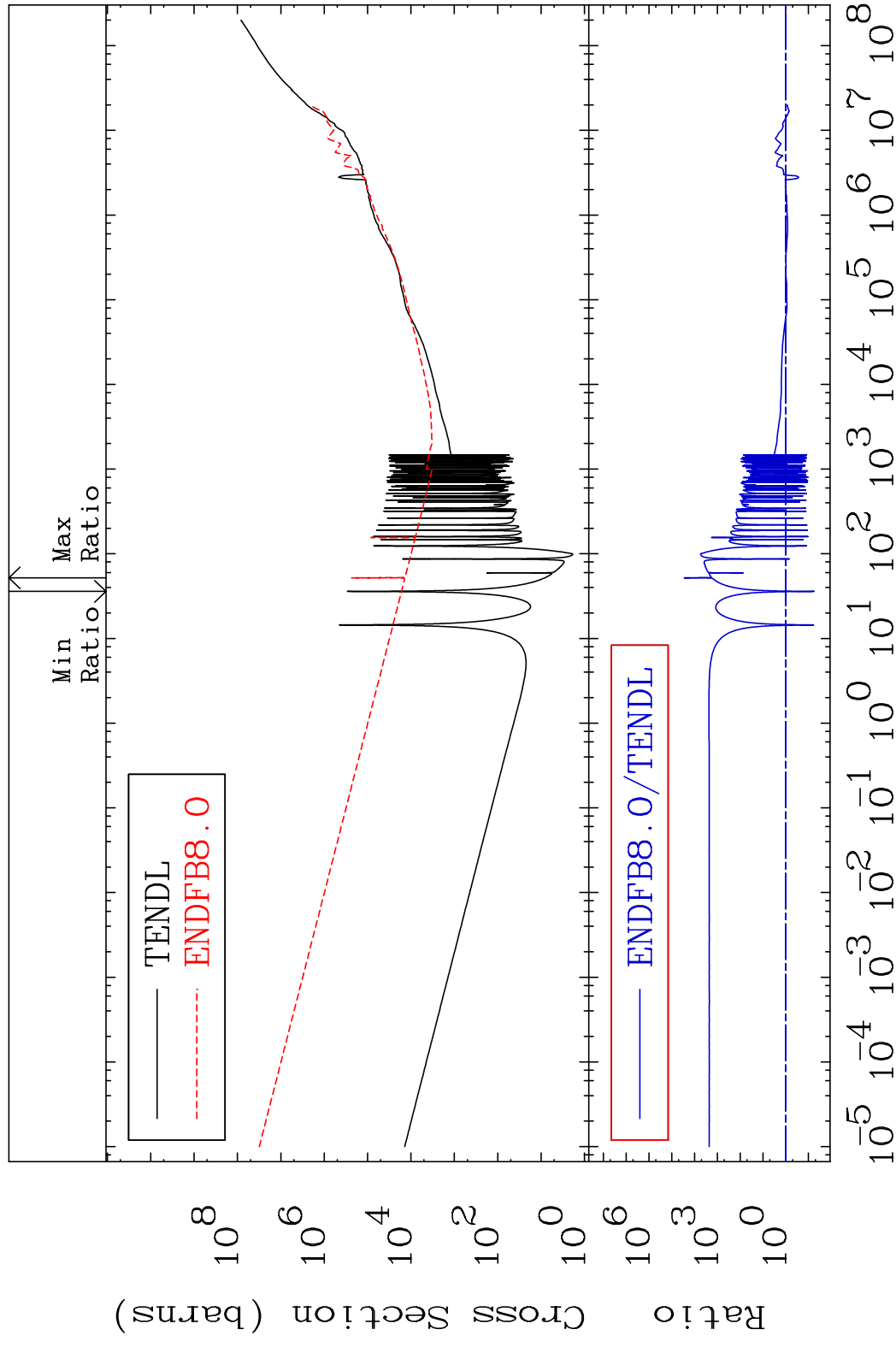


MAT 6231

Kerma total (eV-barns)

62-Sm-146

Cross Section -94.42 To 9999. %

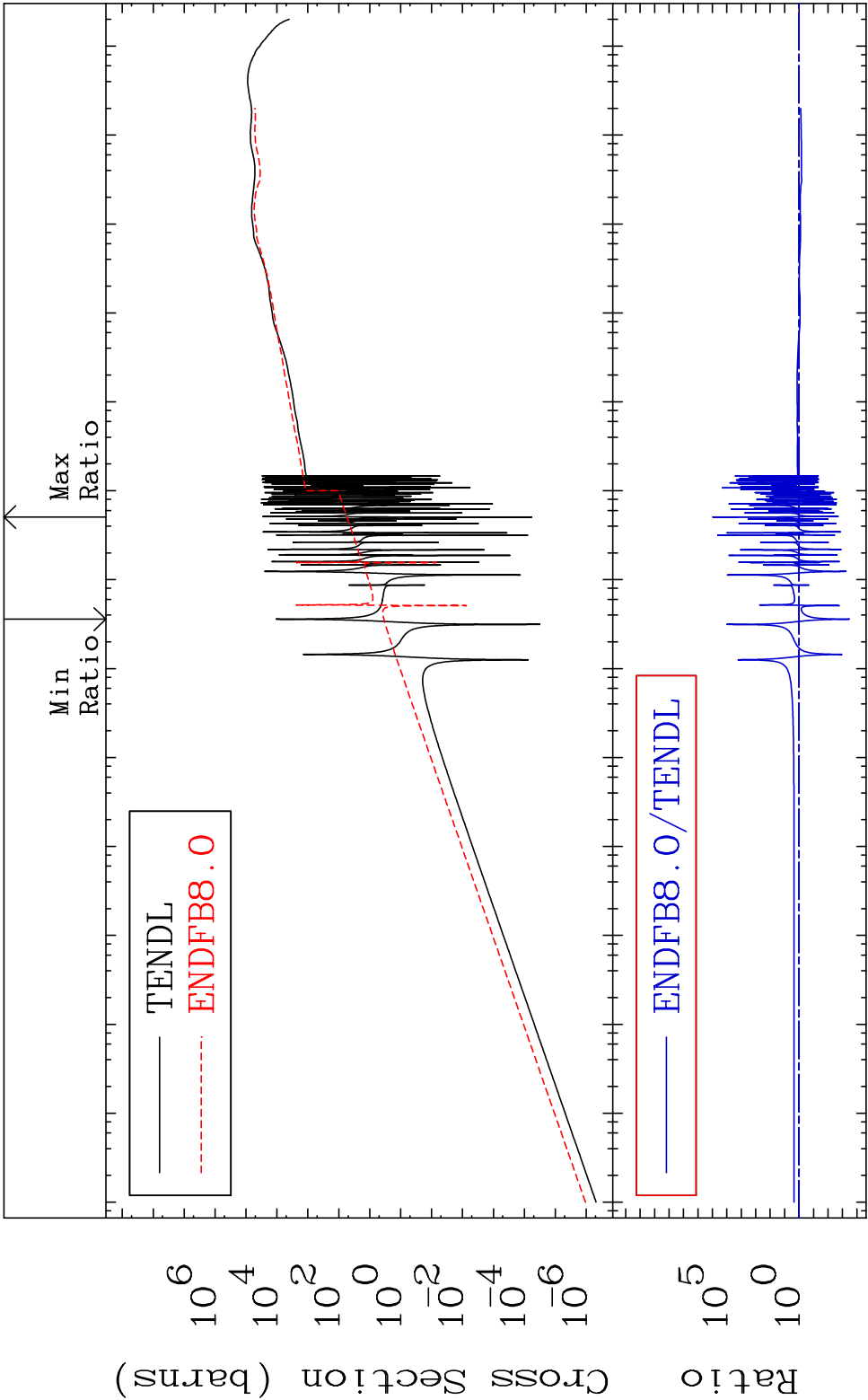


41

Incident Energy (eV)

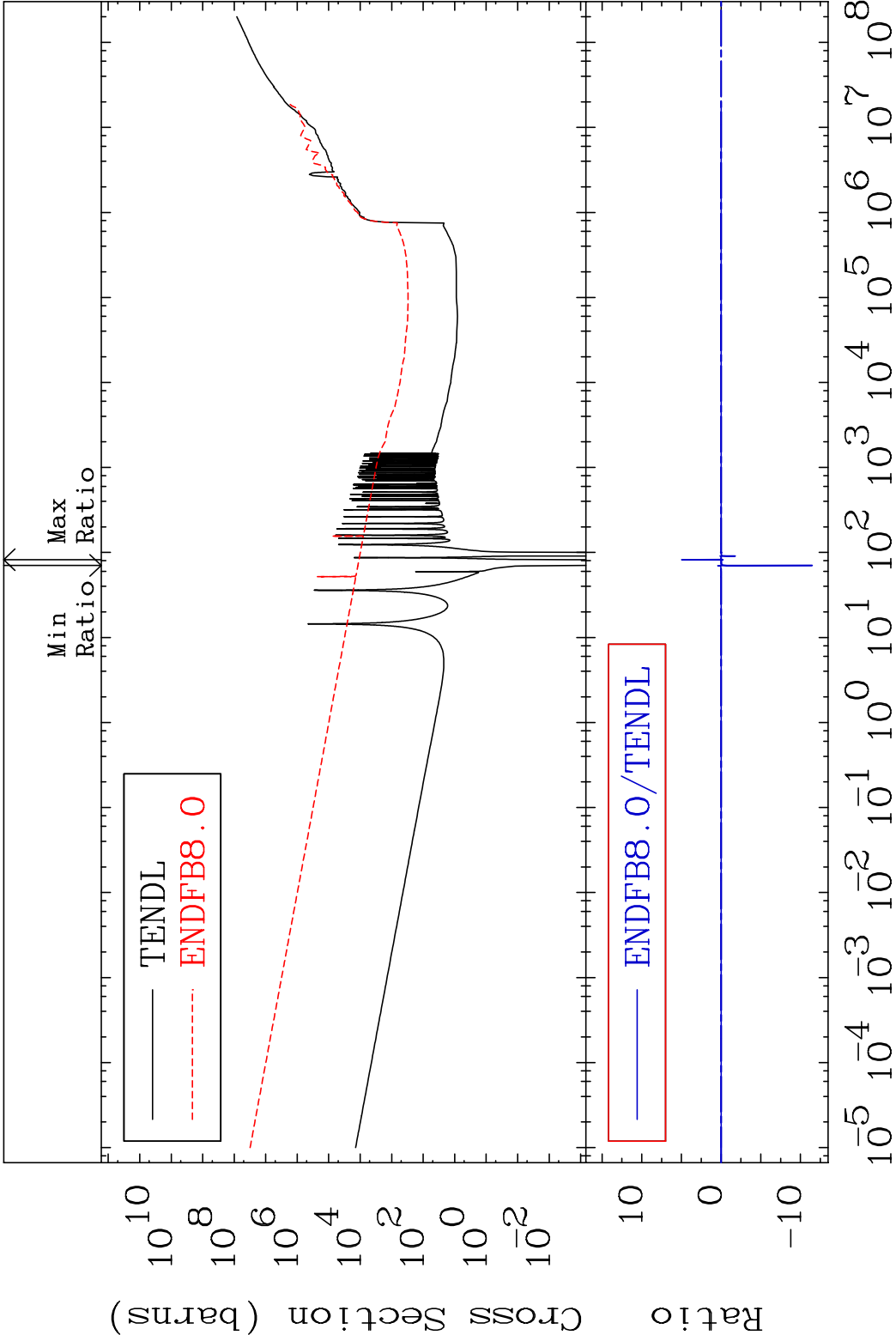
62-Sm-146

MAT 6231 Kerma elastic 62-Sm-146
Cross Section -99.97 To 9999. %

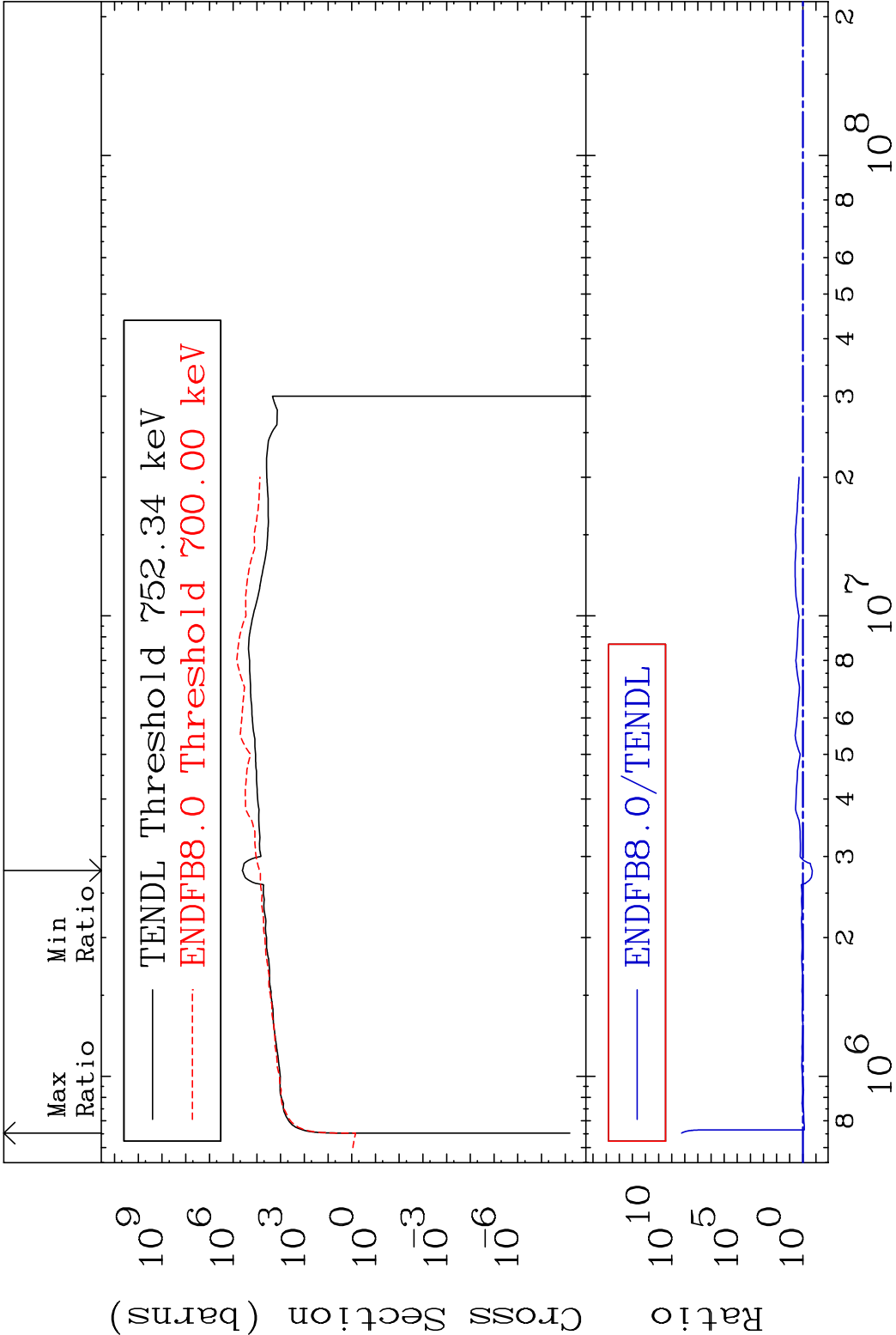


10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42 Incident Energy (eV) 62-Sm-146

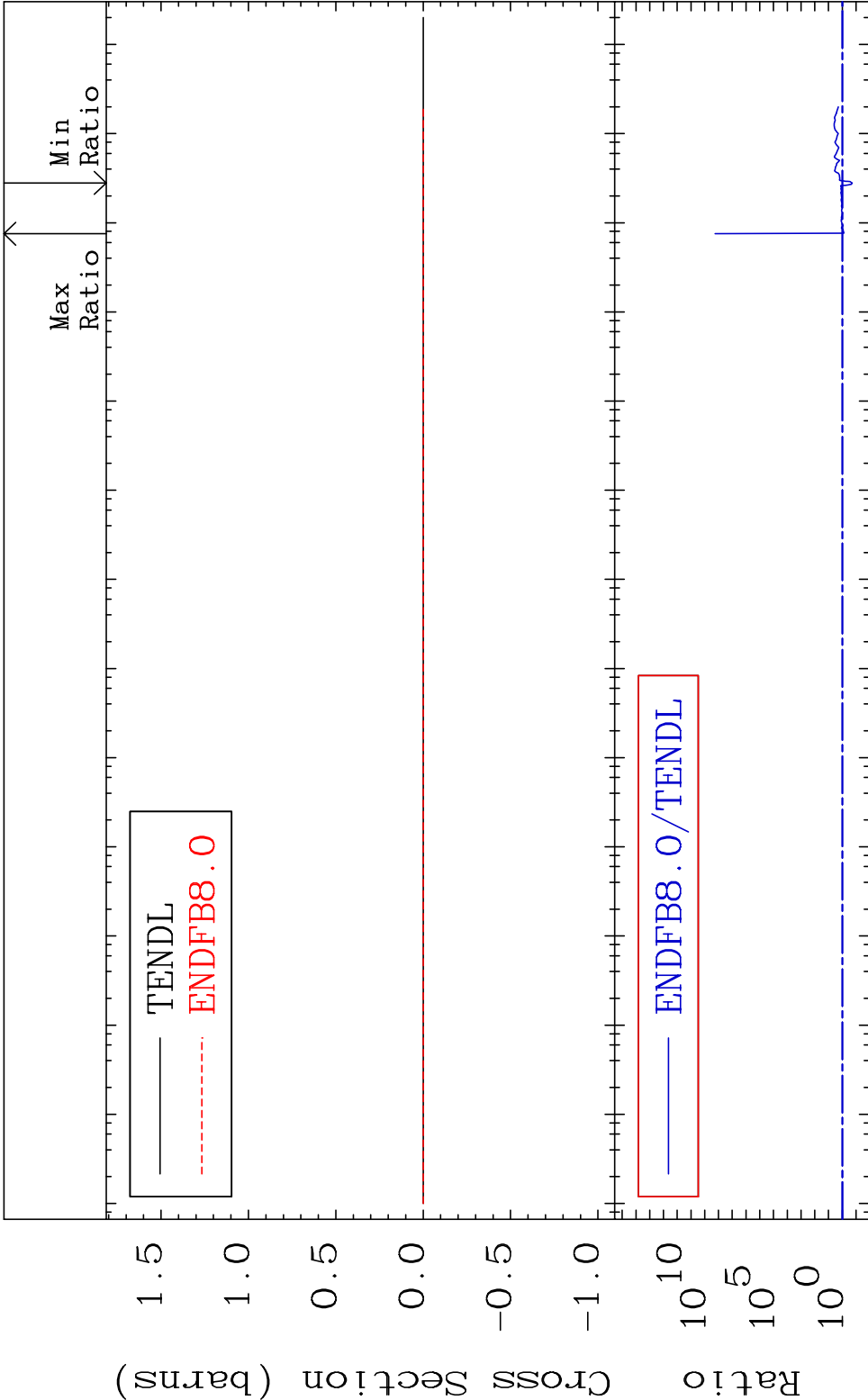
MAT 6231 Kerma non-elastic (all but mt2) 62-Sm-146
Cross Section -9999. To 9999. %



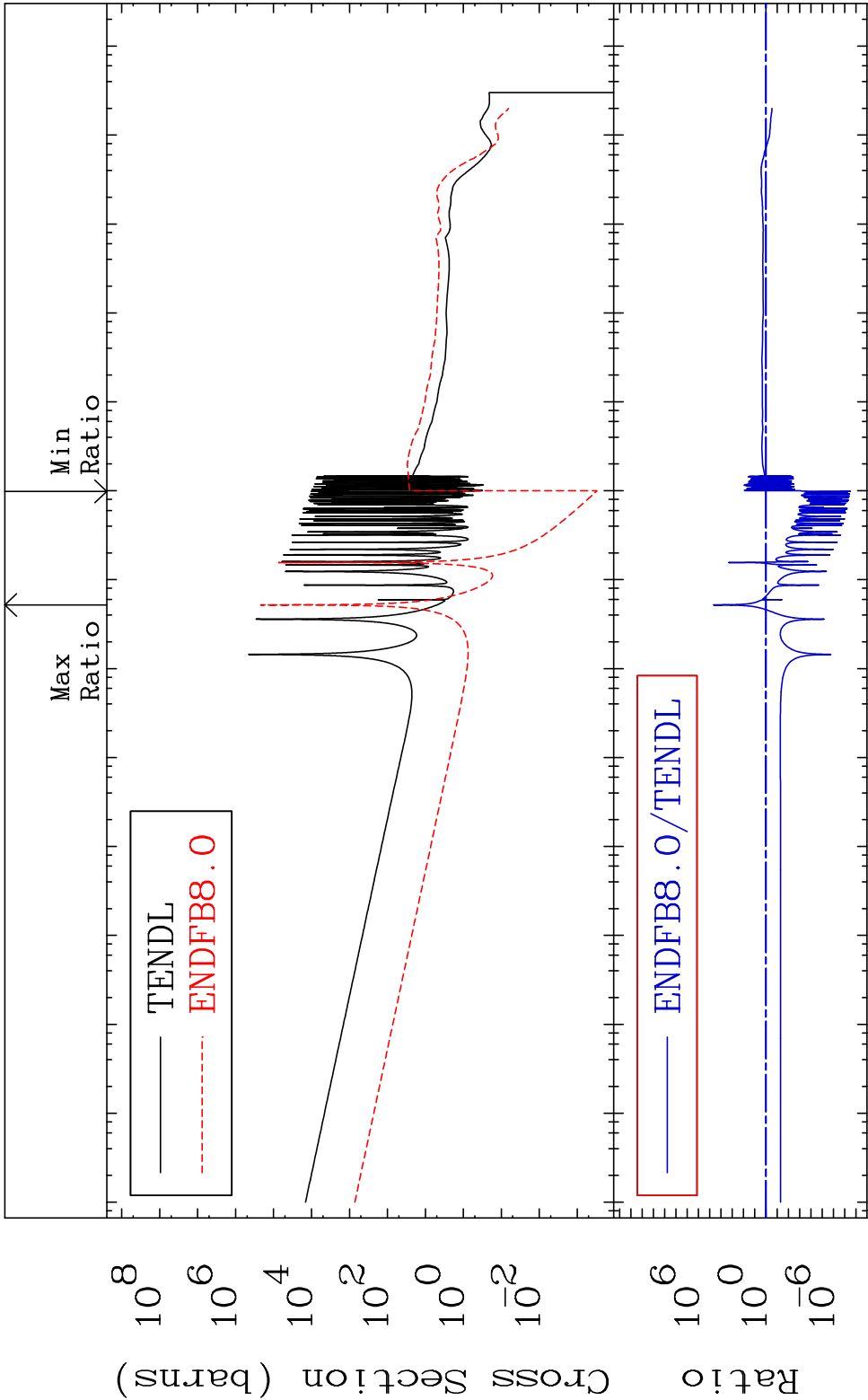
43 Incident Energy (eV) 62-Sm-146



MAT 6231 Kerma fission (mt18 or mt19-20-21-38)62-Sm-146
Cross Section -80.77 To 9999. %

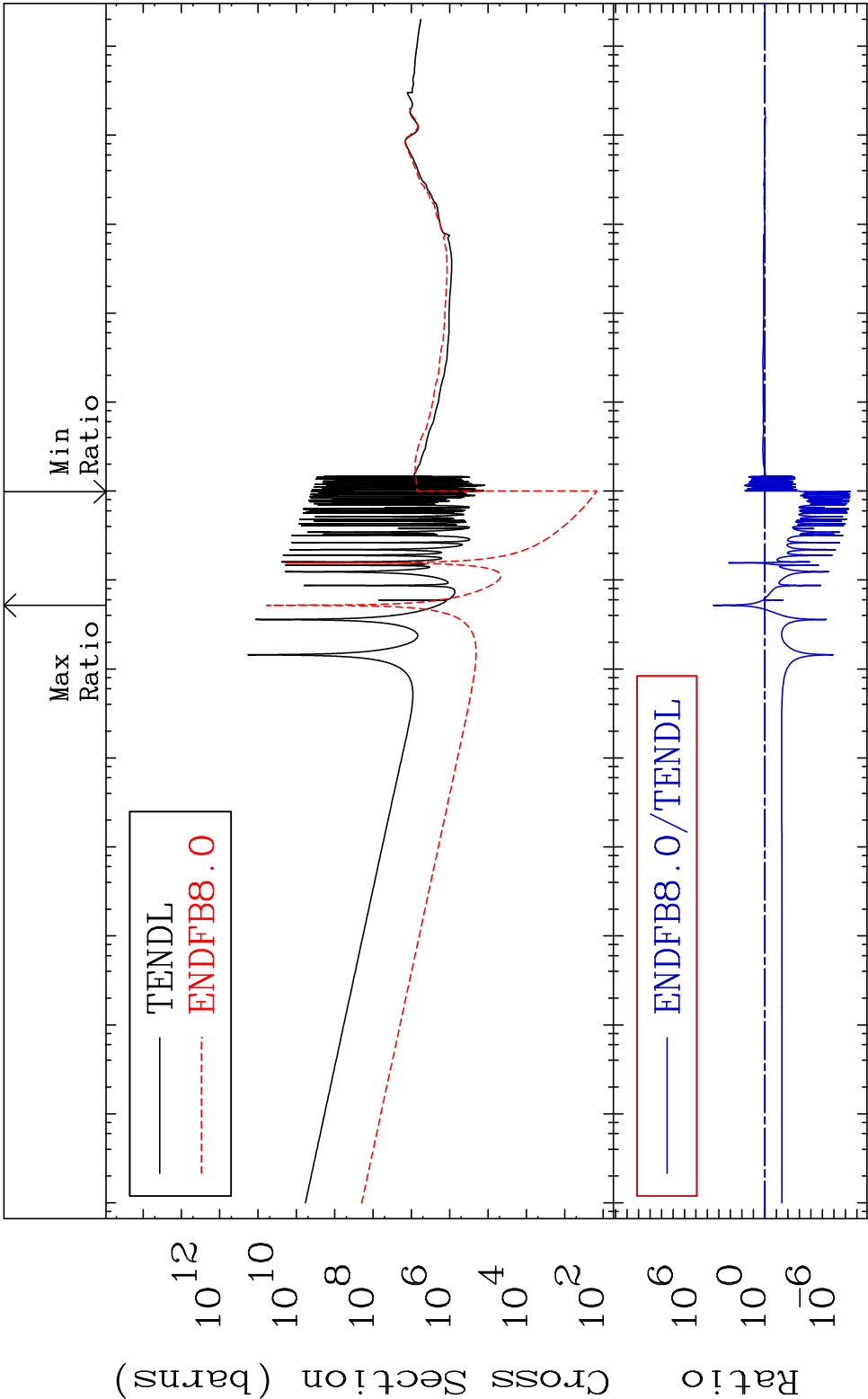


MAT 6231 Kerma capture (mt102) 62-Sm-146
Cross Section -100.0 To 9999. %

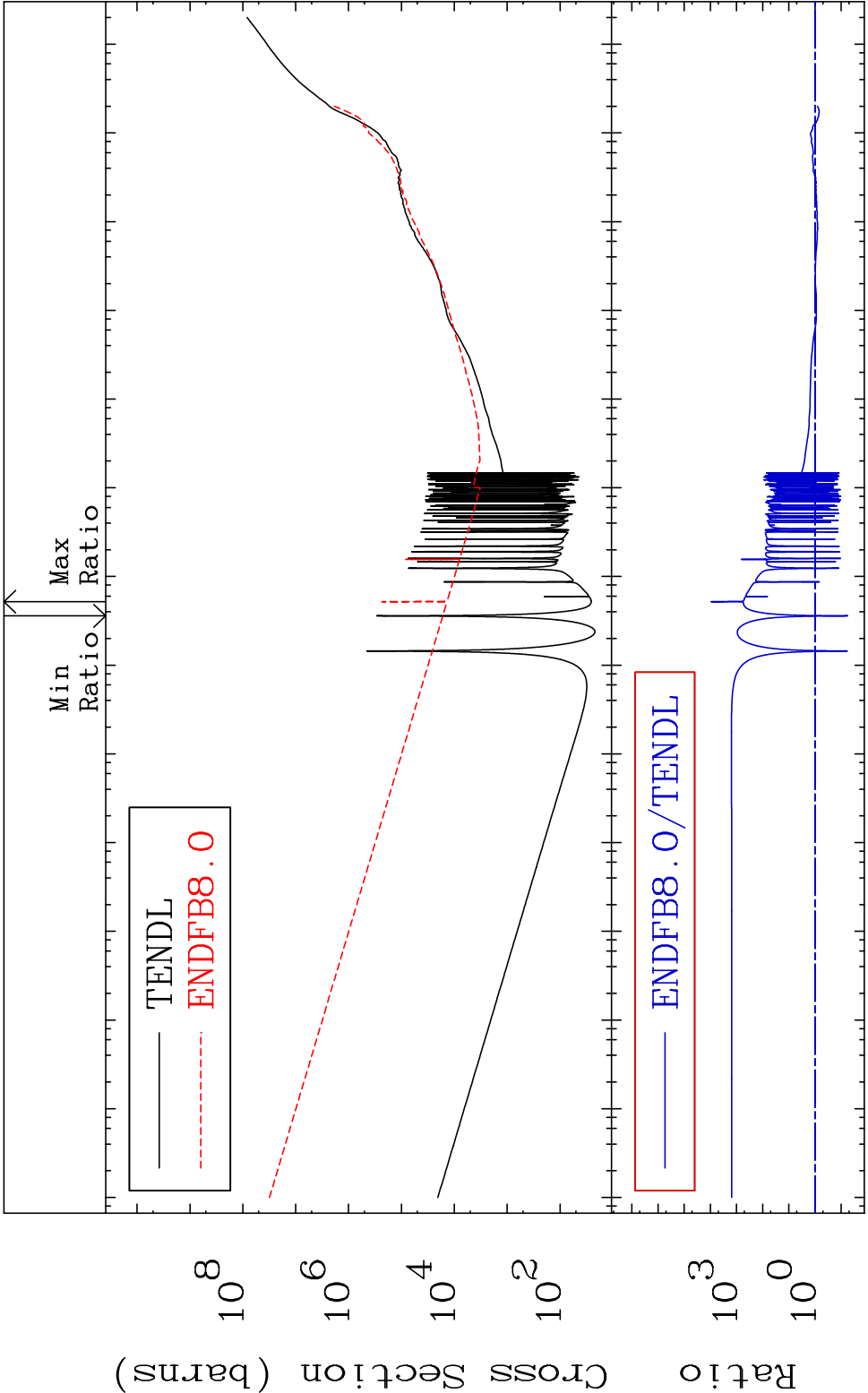


46 Incident Energy (eV) 62-Sm-146

MAT 6231 Total photon (eV-barns) 62-Sm-146
Cross Section -100.0 To 9999. %

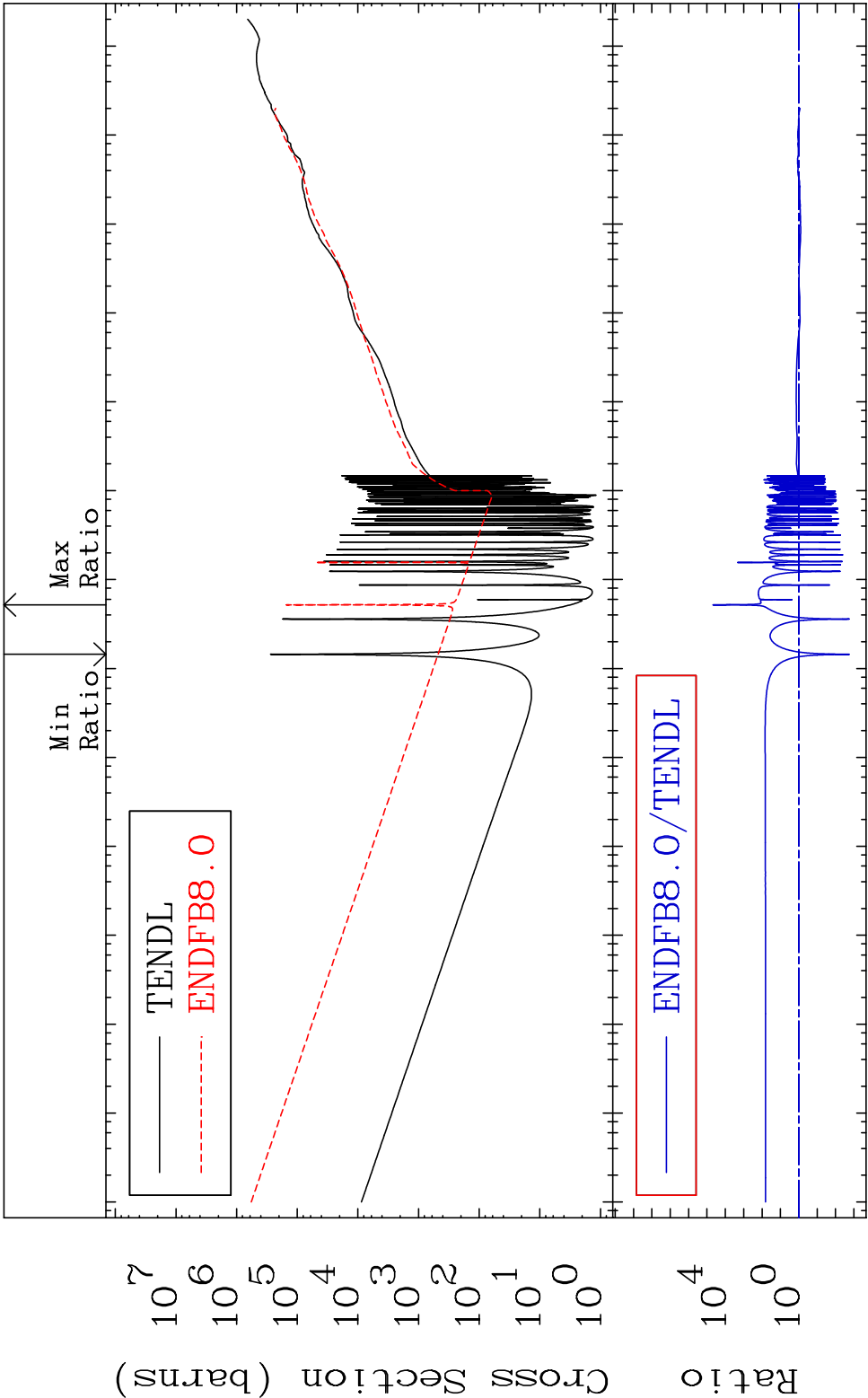


MAT 6231 Total kinematic kerma (high limit) 62-Sm-146
Cross Section -94.42 To 9999. %

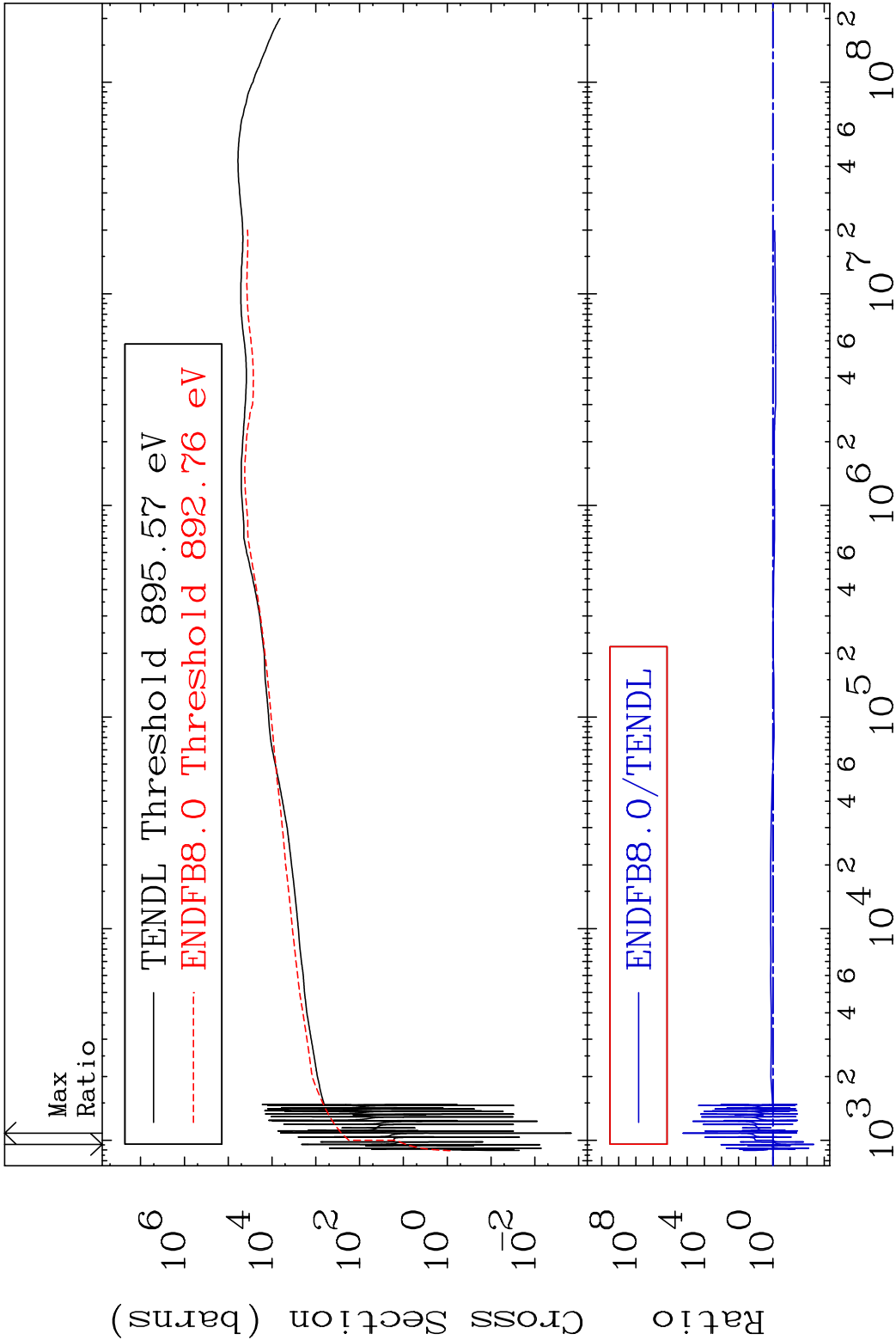


48 Incident Energy (eV) 62-Sm-146

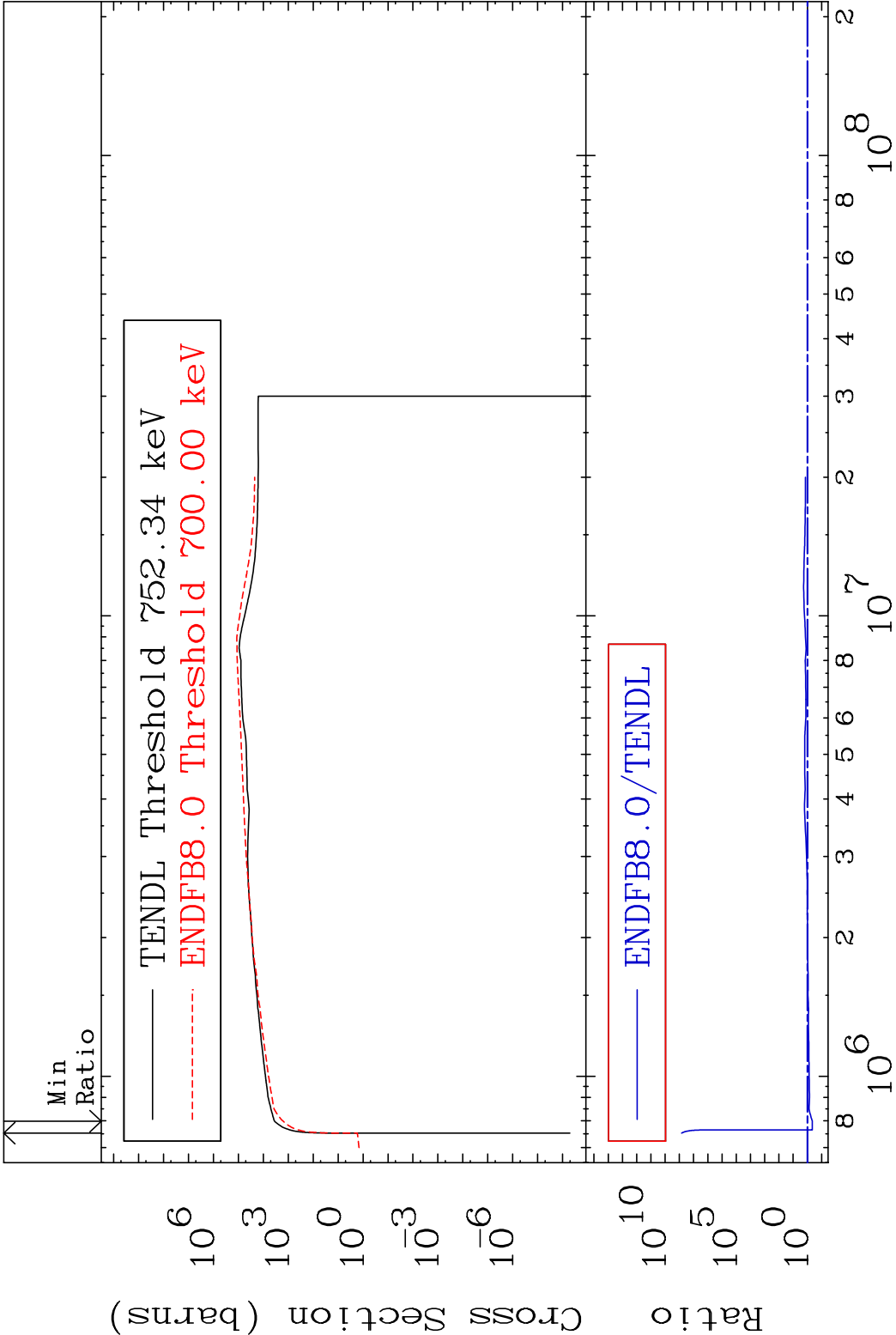
MAT 6231 Dpa total (eV-barns) 62-Sm-146
 Cross Section -99.83 To 9999. %



MAT 6231 Dpa elastic (mt2) 62-Sm-146
Cross Section -99.60 To 9999. %



50 Incident Energy (eV) 62-Sm-146



MAT 6231 Dpa disappearance (mt102 -120) 62-Sm-146
Cross Section -99.83 To 9999. %

