

Program Complot
(Version 2021-1)

by

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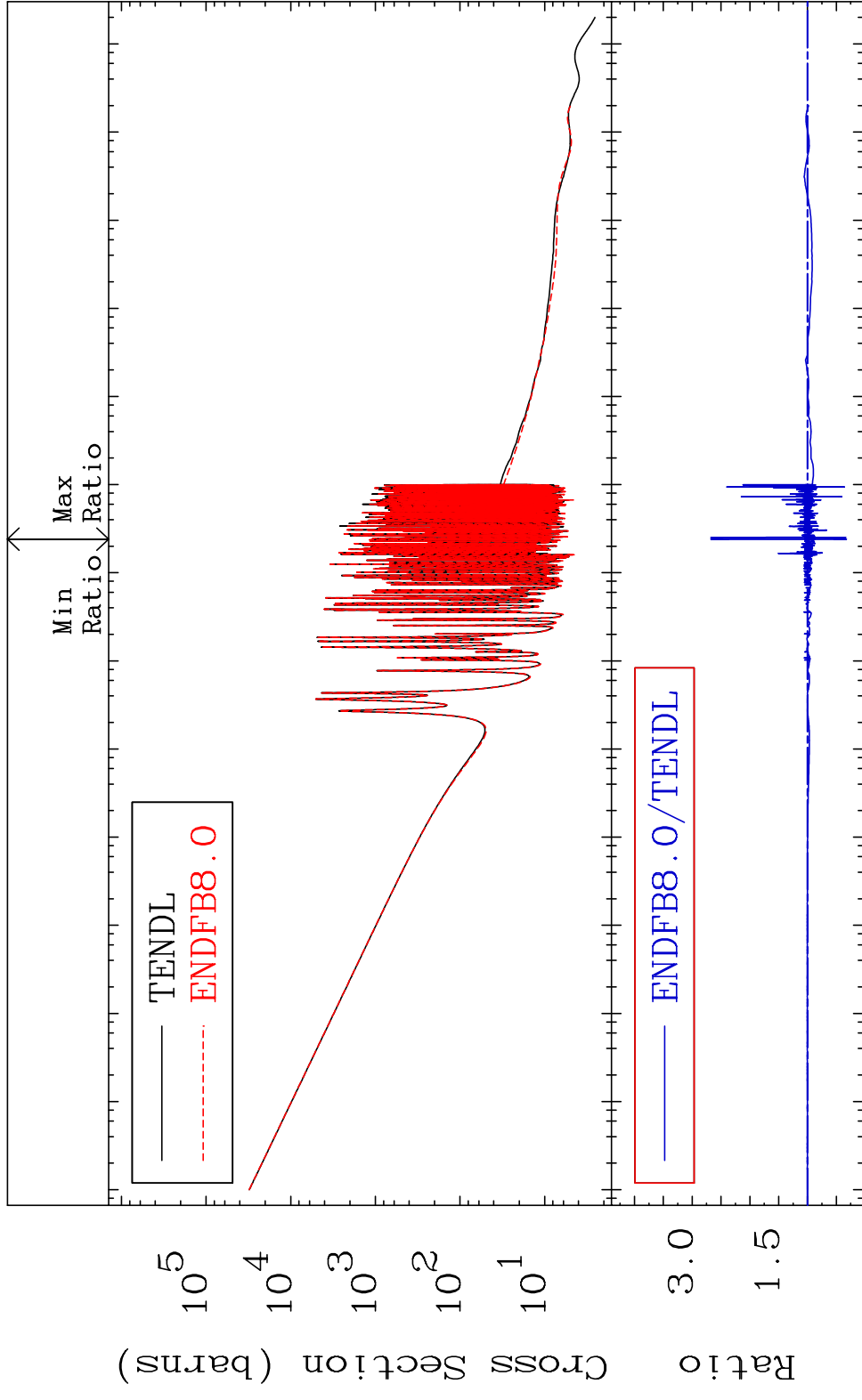
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6640

Total Cross Section
66-Dy-161
-67.37 To 167.8 %



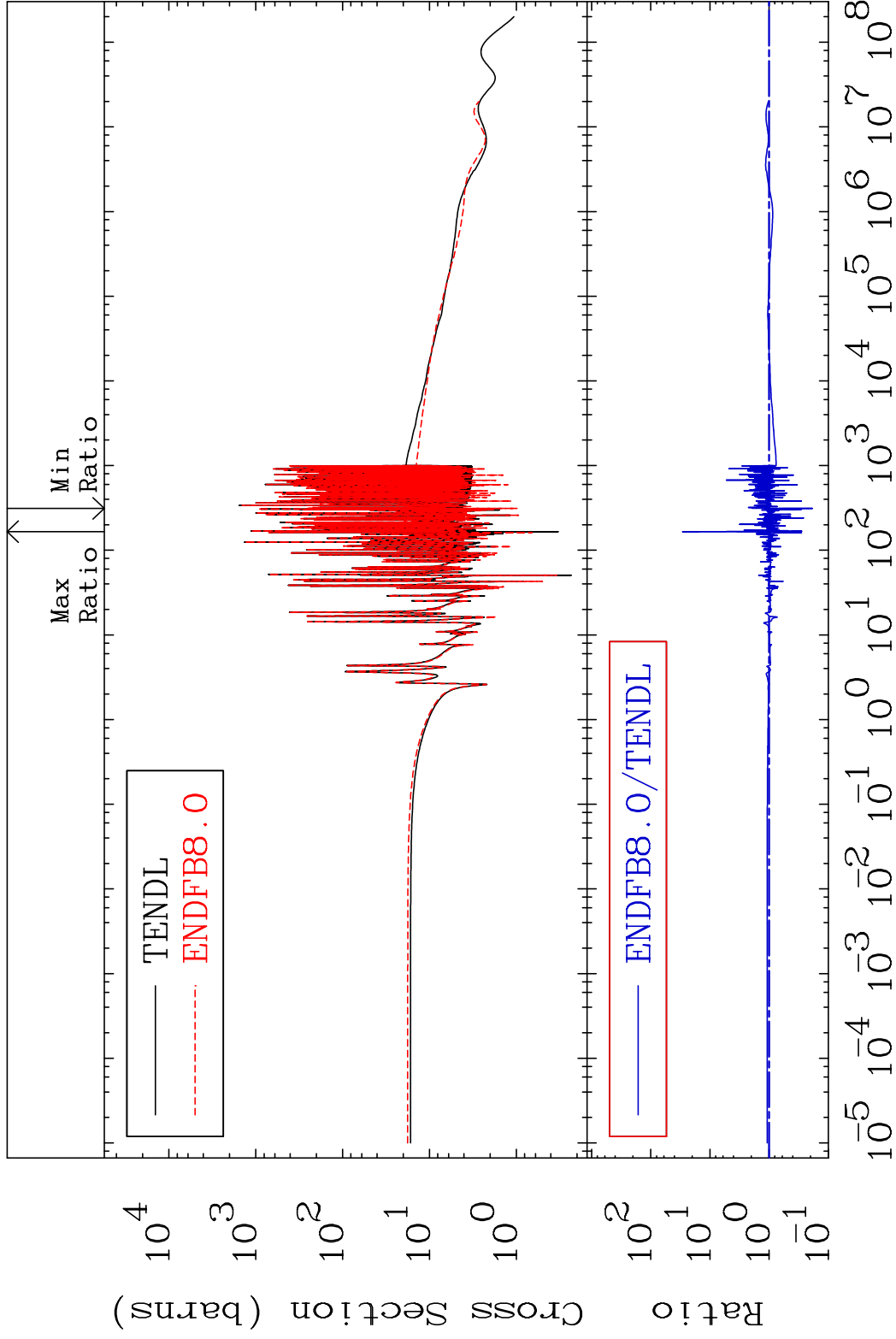
1 Incident Energy (eV) 66-Dy-161

MAT 6640

Elastic

66-Dy-161

Cross Section -81.55 To 2827. %

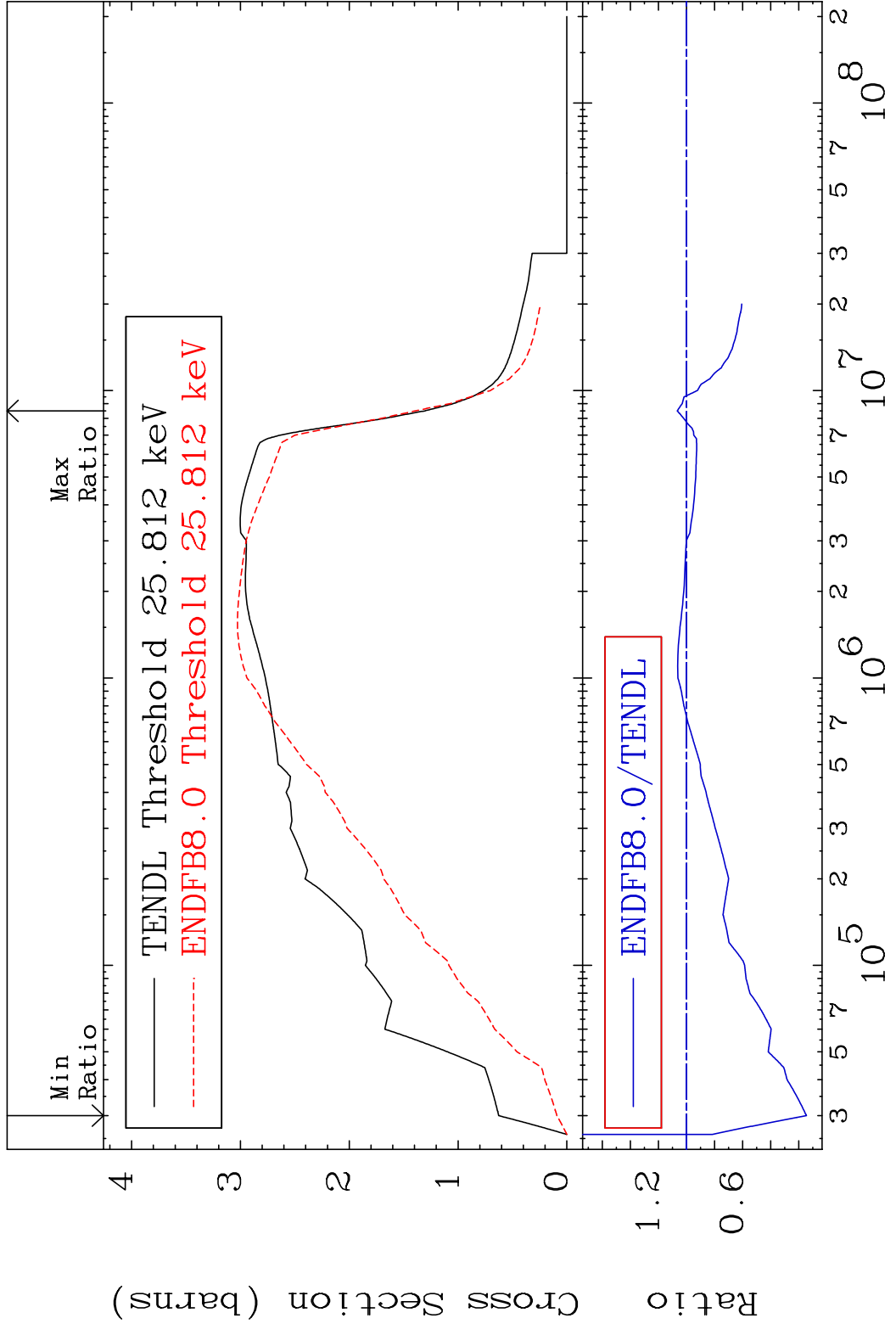


2

Incident Energy (eV)

66-Dy-161

MAT 6640 Inelastic Cross Section 66-Dy-161
 -85.40 To 6.620 %

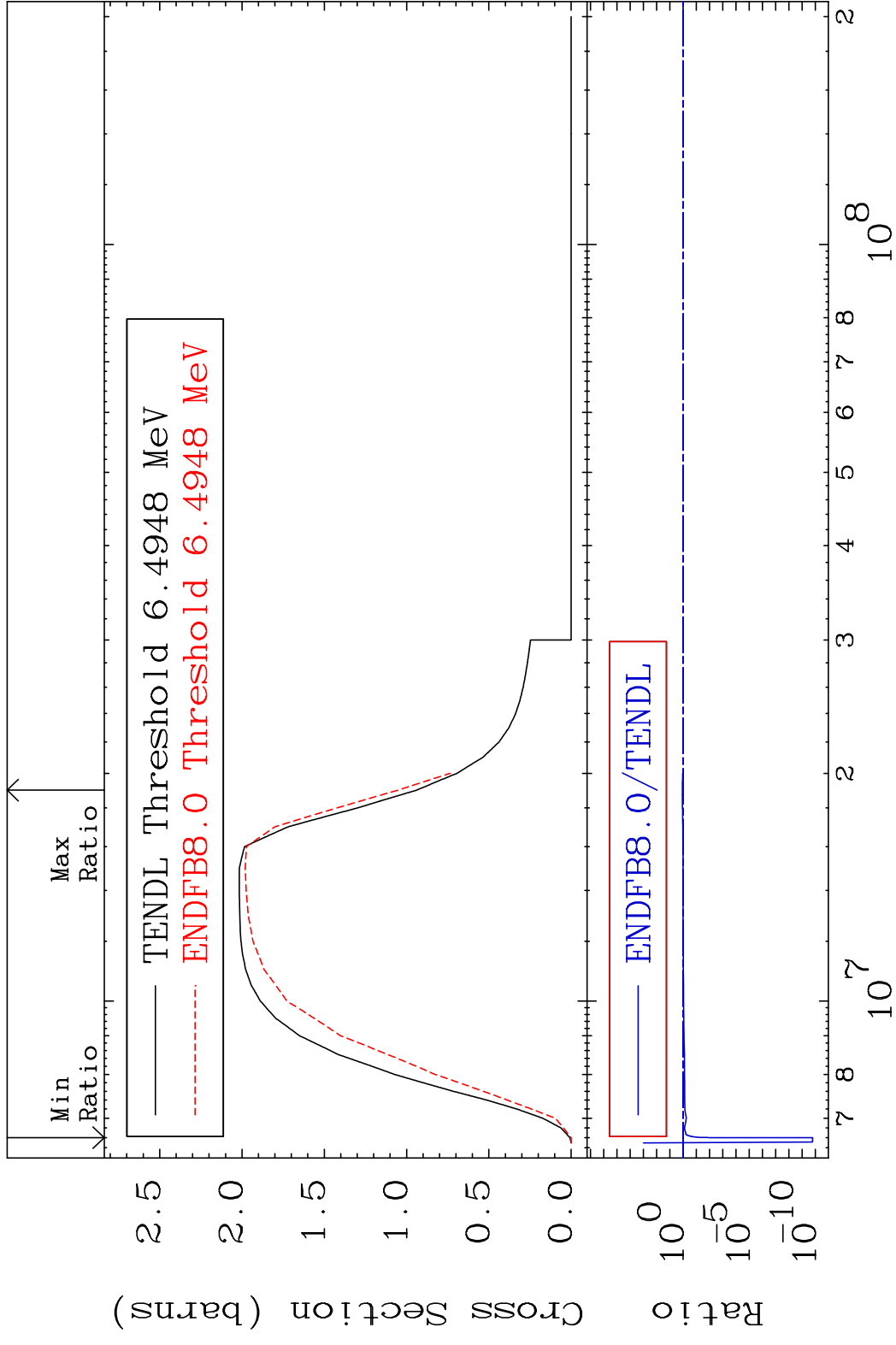


3 3 5 7 10⁵ 2 3 5 7 10⁶ 2 3 5 7 10⁷ 2 3 5 7 10⁸ 2

3 3 5 7 10⁵ 2 3 5 7 10⁶ 2 3 5 7 10⁷ 2 3 5 7 10⁸ 2

66-Dy-161 66-Dy-161

MAT 6640 (n,2n) 66-Dy-161
 Cross Section -100.0 To 12.11 %

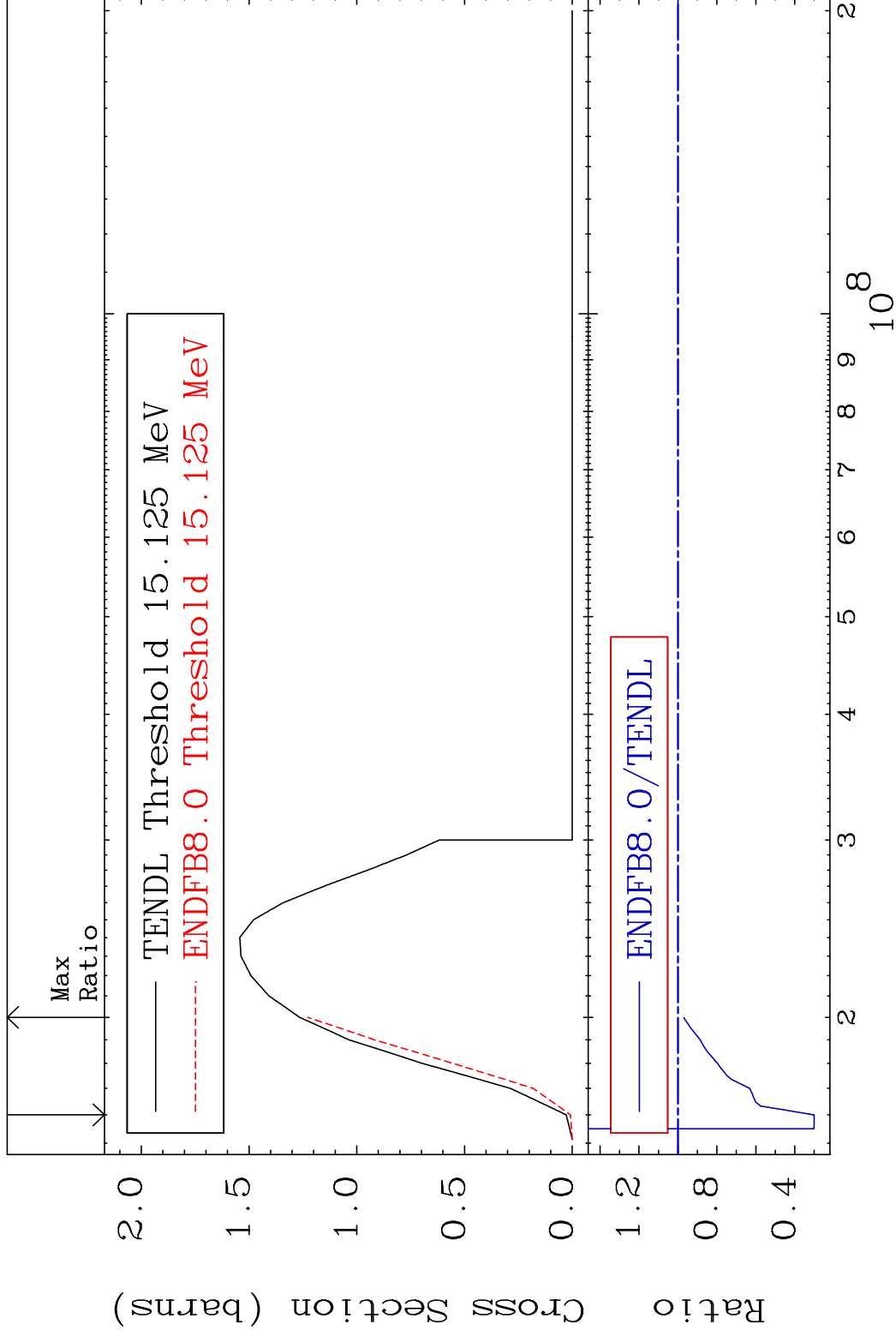


MAT 6640

(n,3n)

66-Dy-161

Cross Section -69.94 To -2.942%

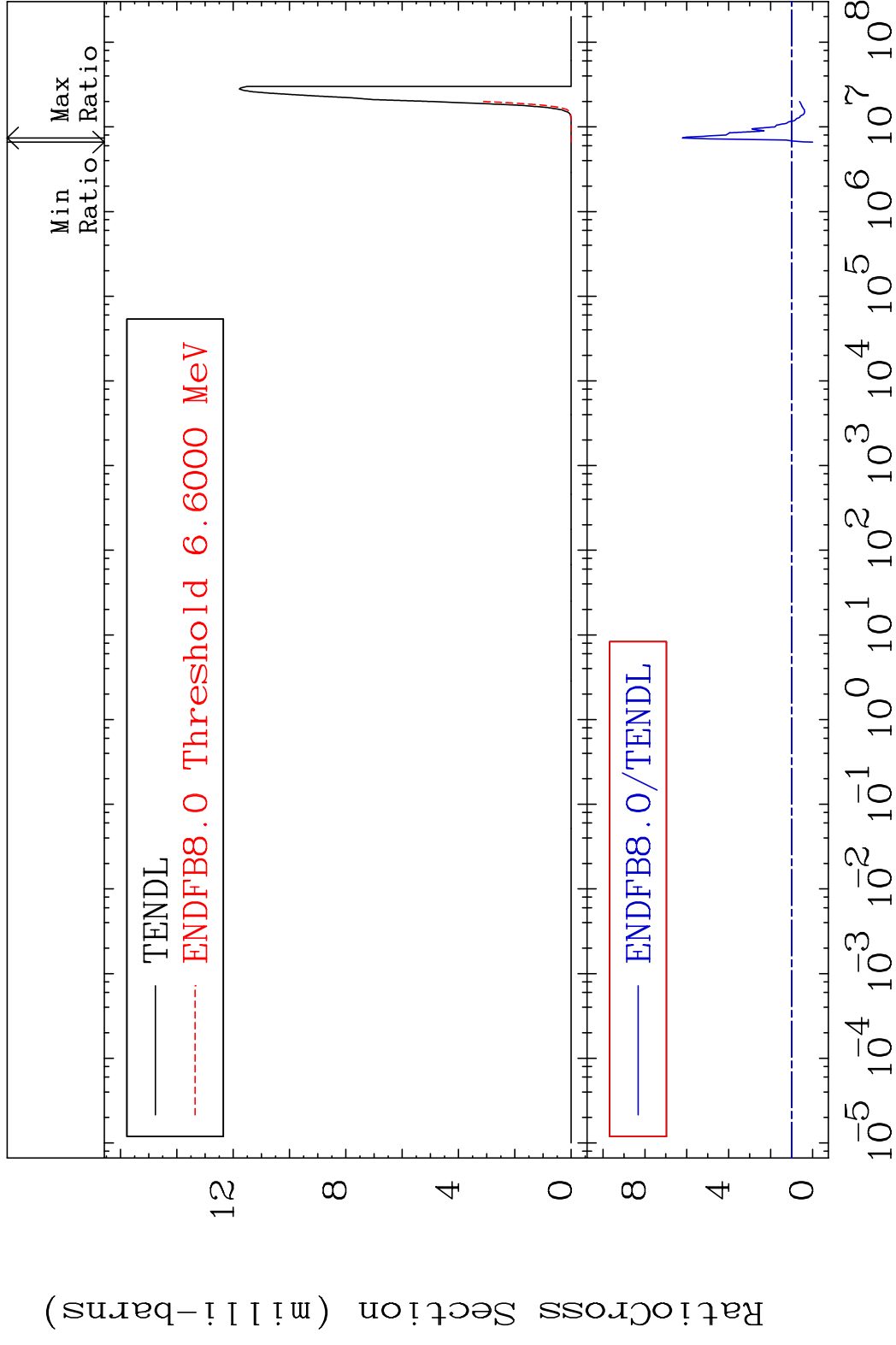


5

Incident Energy (eV)

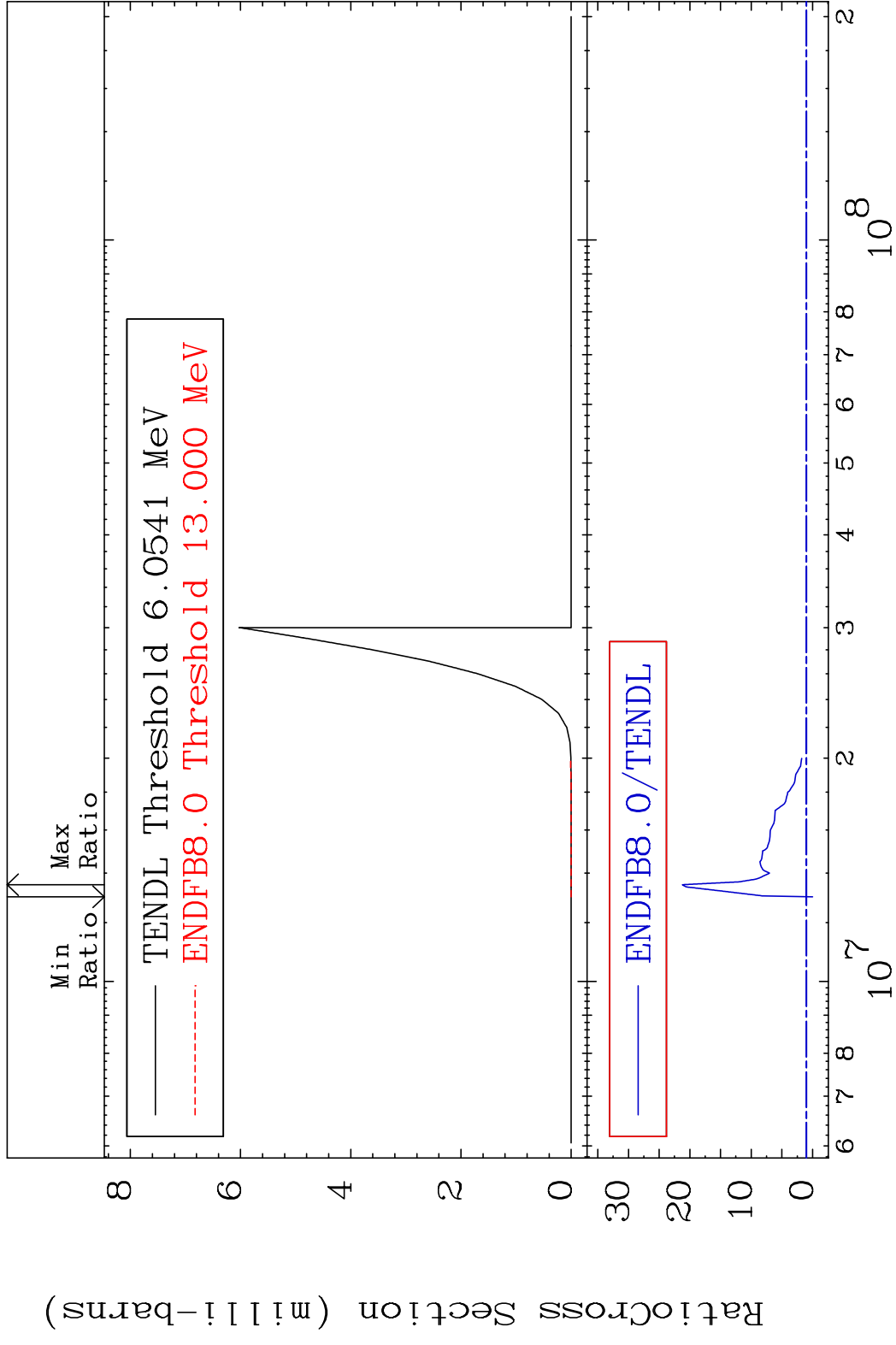
66-Dy-161

MAT 6640 (n, n') α 66-Dy-161
 Cross Section -100.0 To 521.3 %



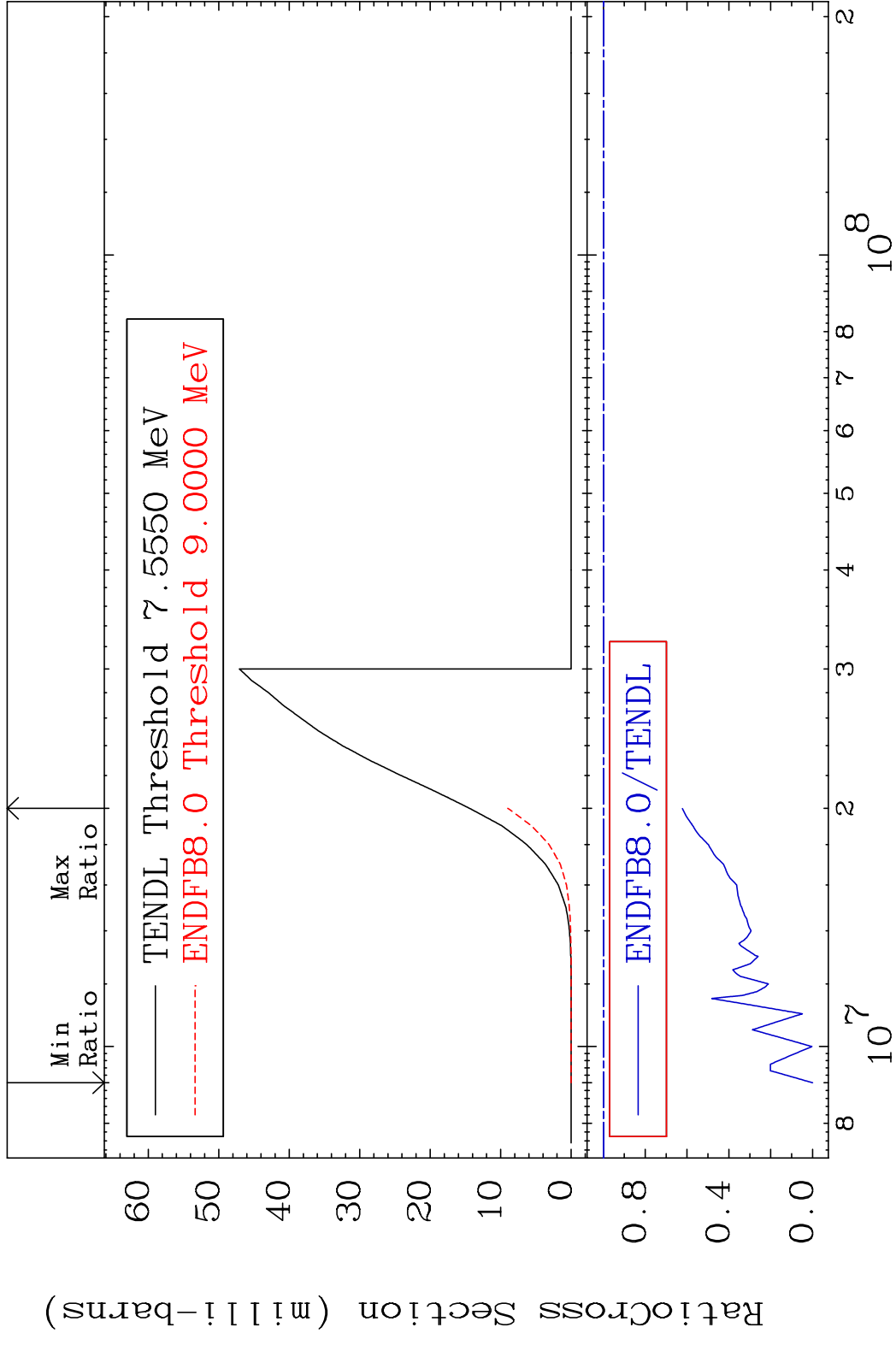
6 Incident Energy (eV) 66-Dy-161

MAT 6640 (n,2n) α 66-Dy-161
 Cross Section -100.0 To 2022. %



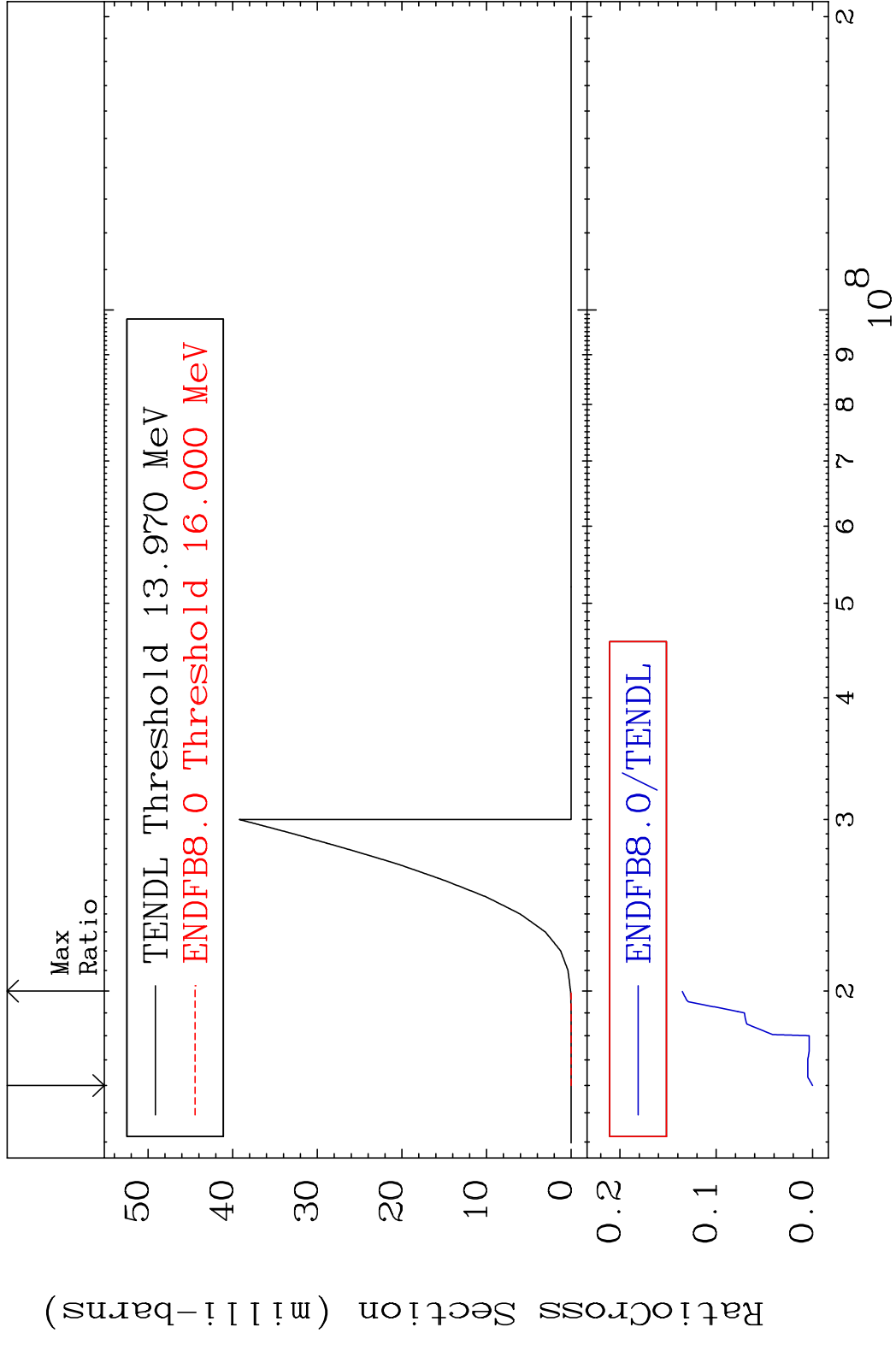
7 66-Dy-161

MAT 6640 (n, n') p 66-Dy-161
 Cross Section -100.0 To -37.75%

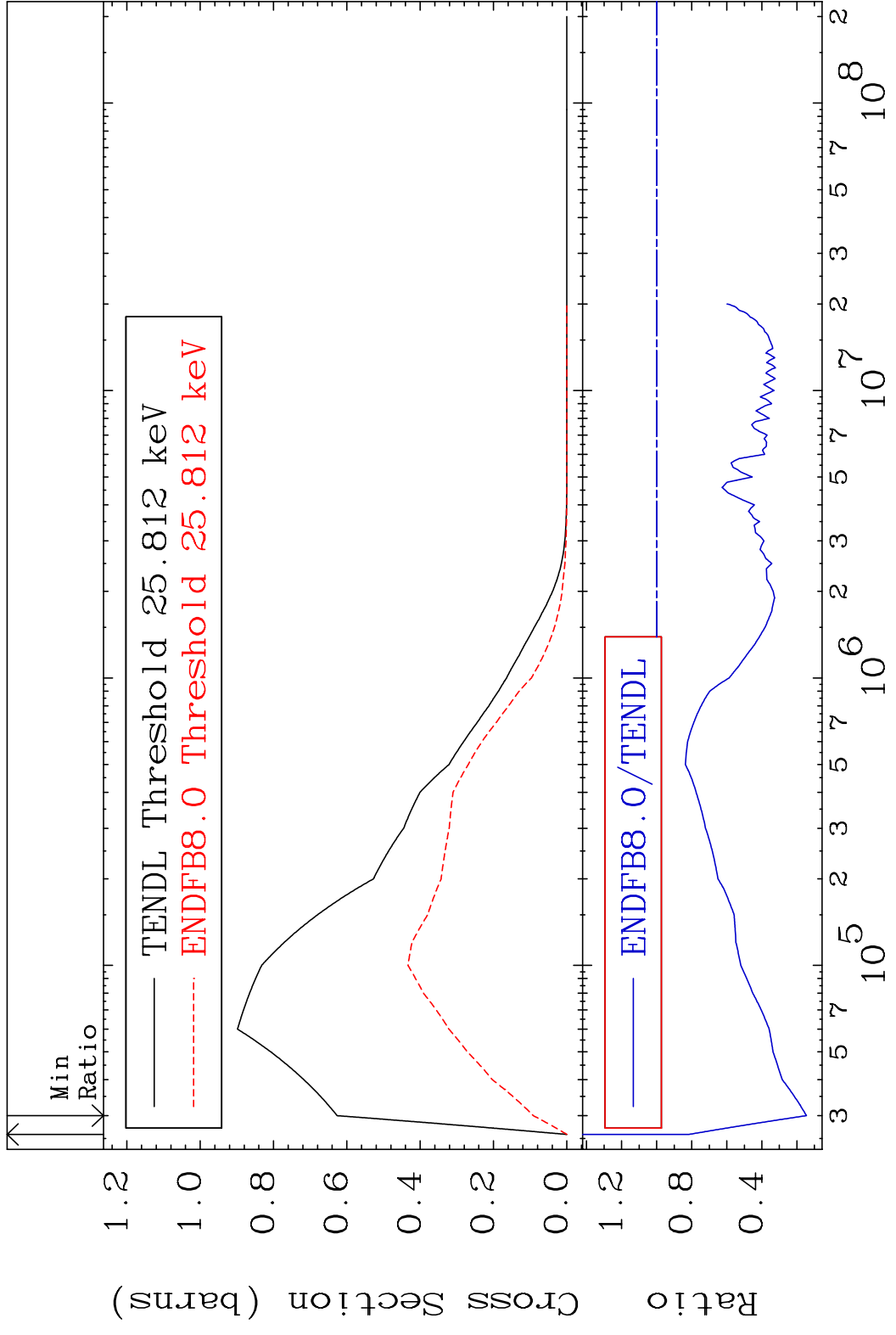


8 8 Incident Energy (eV) 66-Dy-161

MAT 6640 (n,2n) p 66-Dy-161
 Cross Section -100.0 To -86.48%

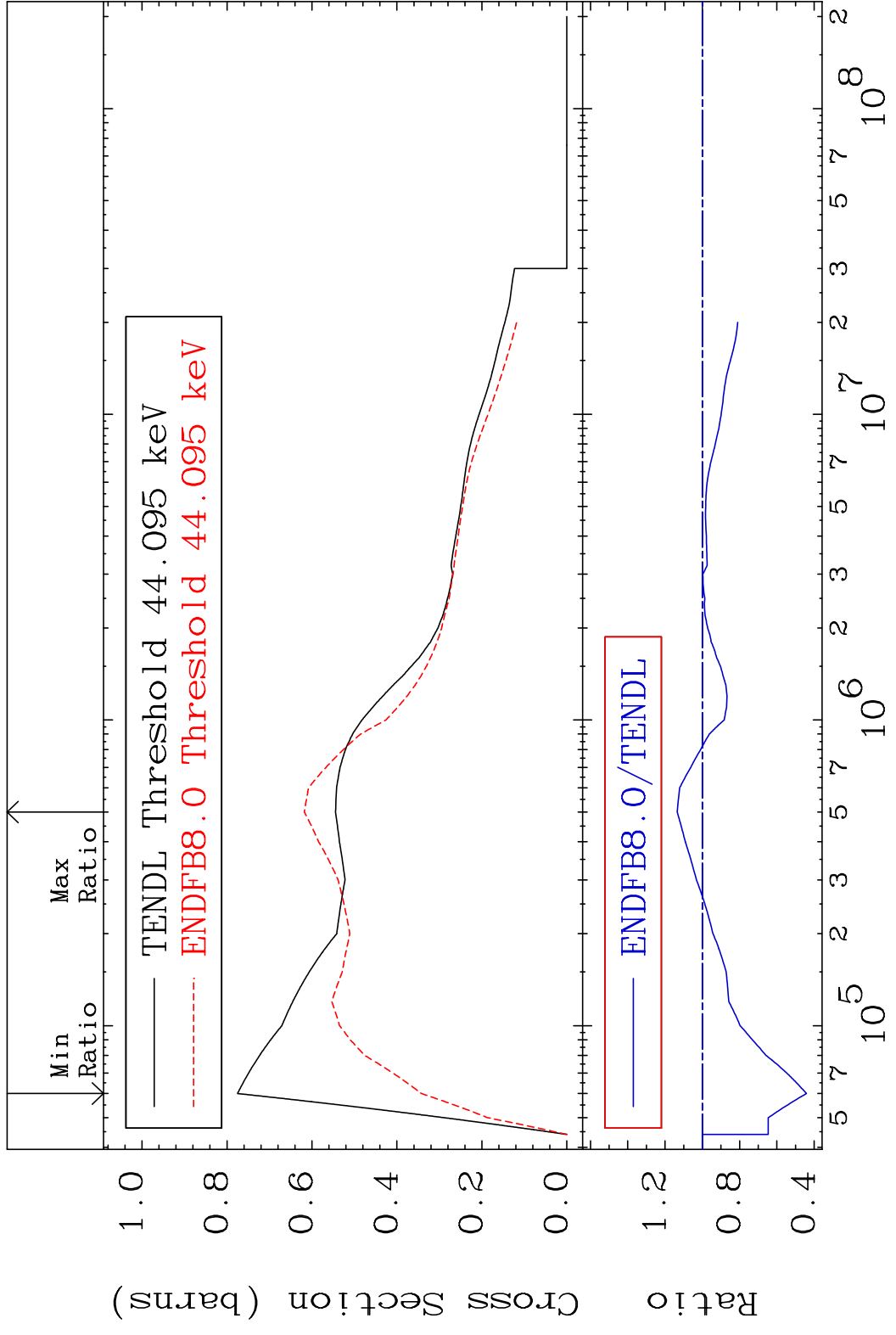


MAT 6640 MT= 51 (n,n') Level 66-Dy-161
 Cross Section -85.40 To -11.70%

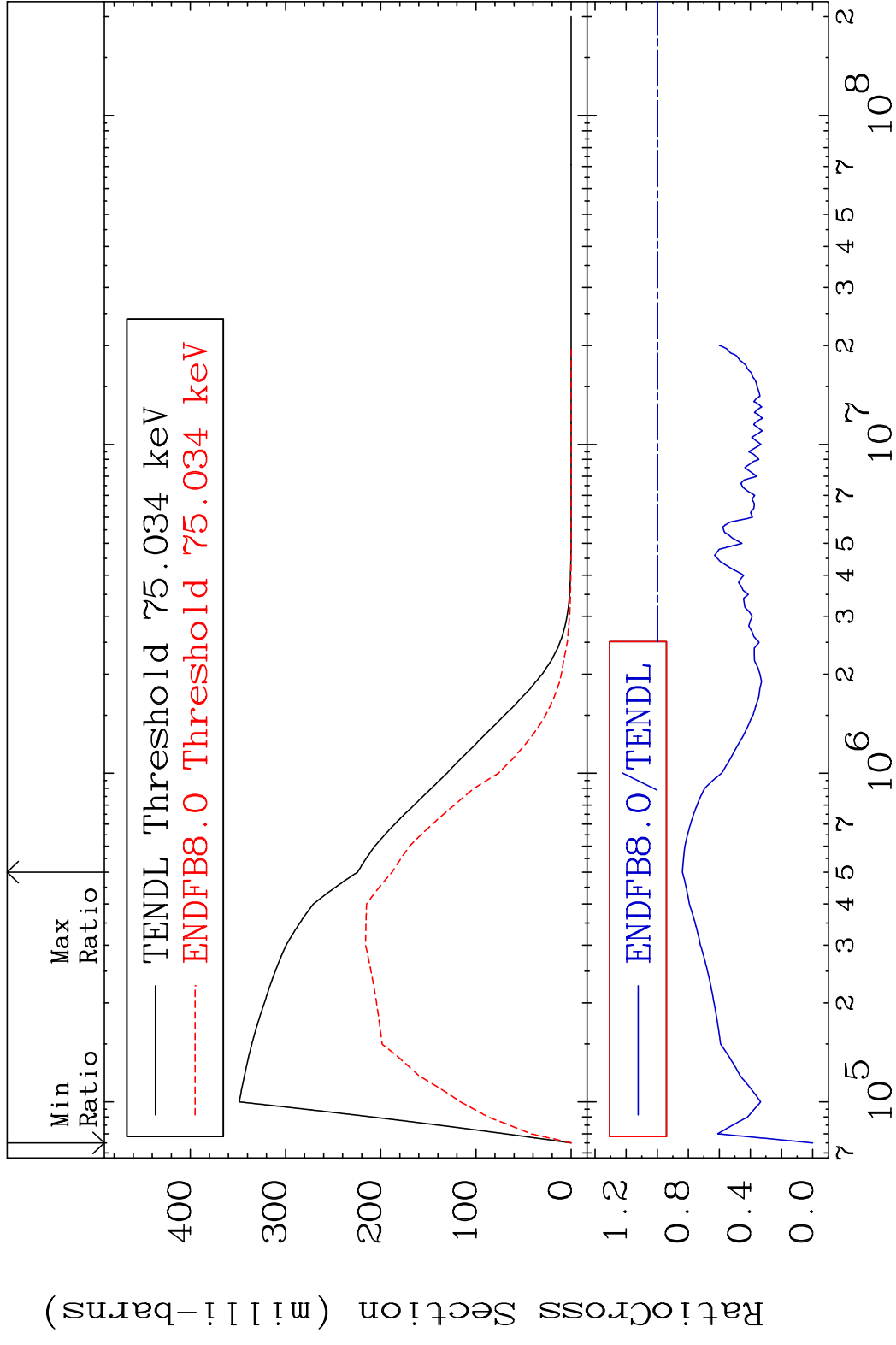


10 Incident Energy (eV) 66-Dy-161

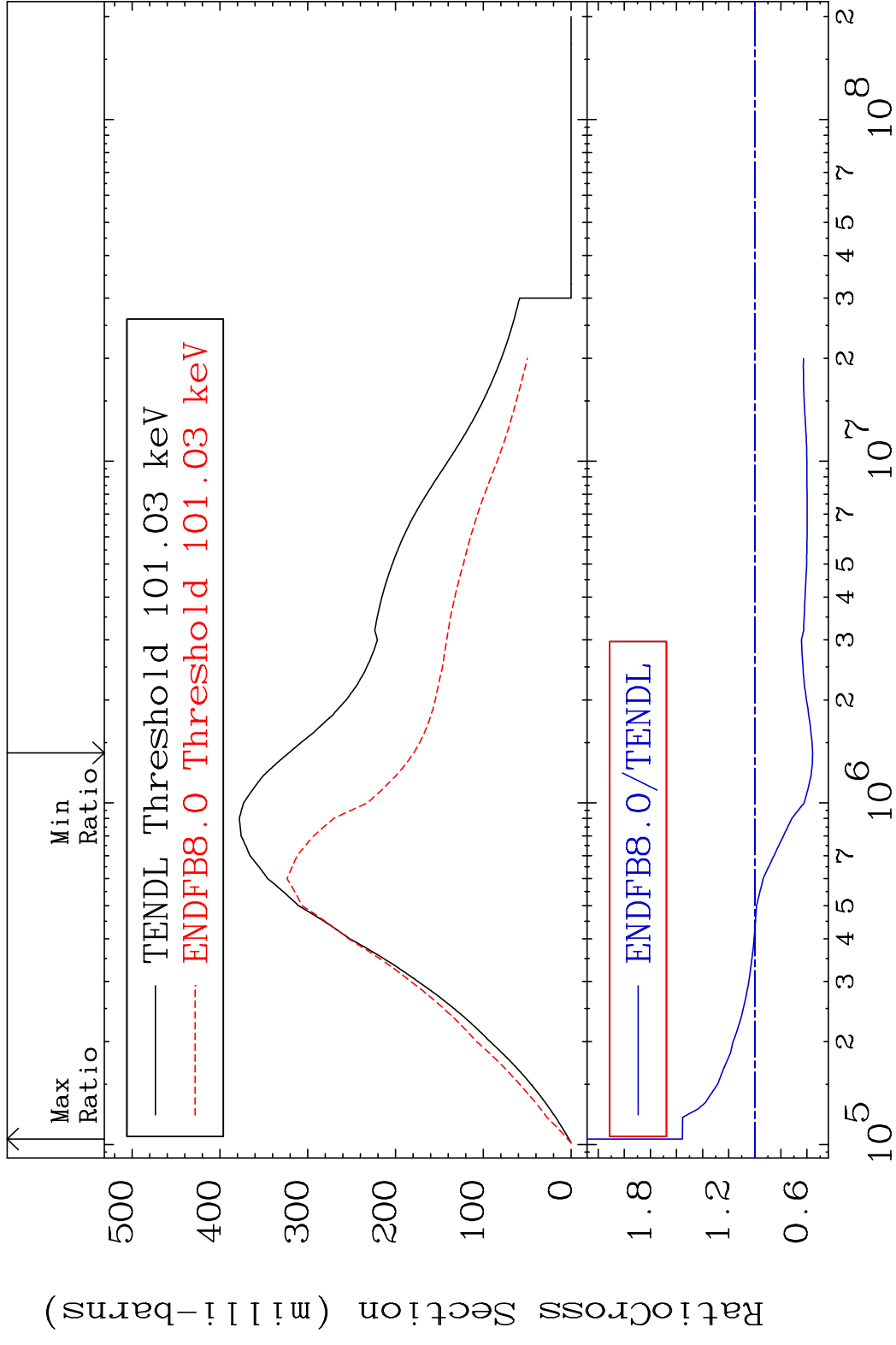
MAT 6640 MT= 52 (n, n') Level 66-Dy-161
 Cross Section -55.83 To 13.48 %



MAT 6640 MT= 53 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -16.17%

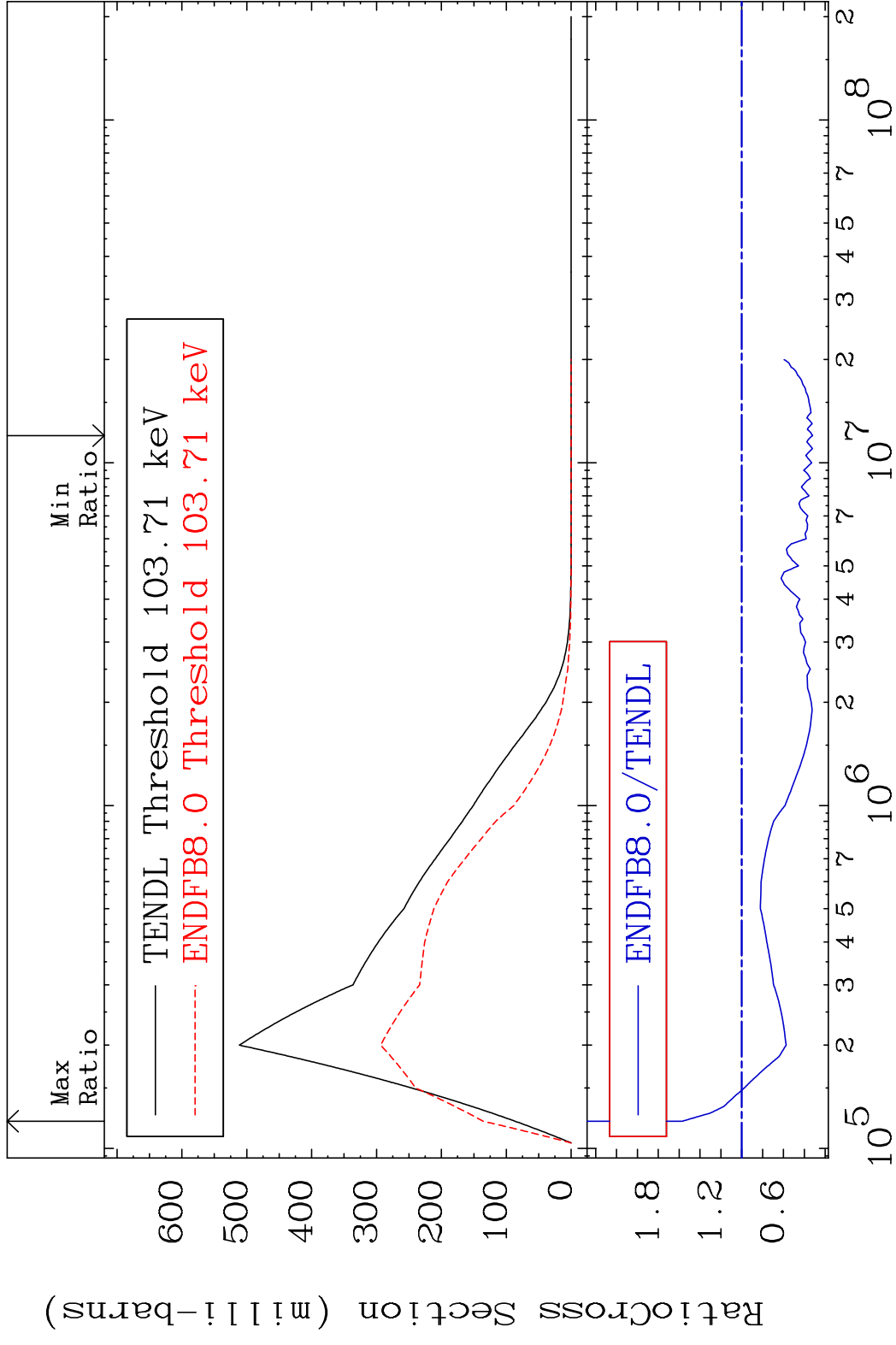


MAT 6640 MT= 54 (n, n') Level 66-Dy-161
 Cross Section -44.25 To 55.52 %

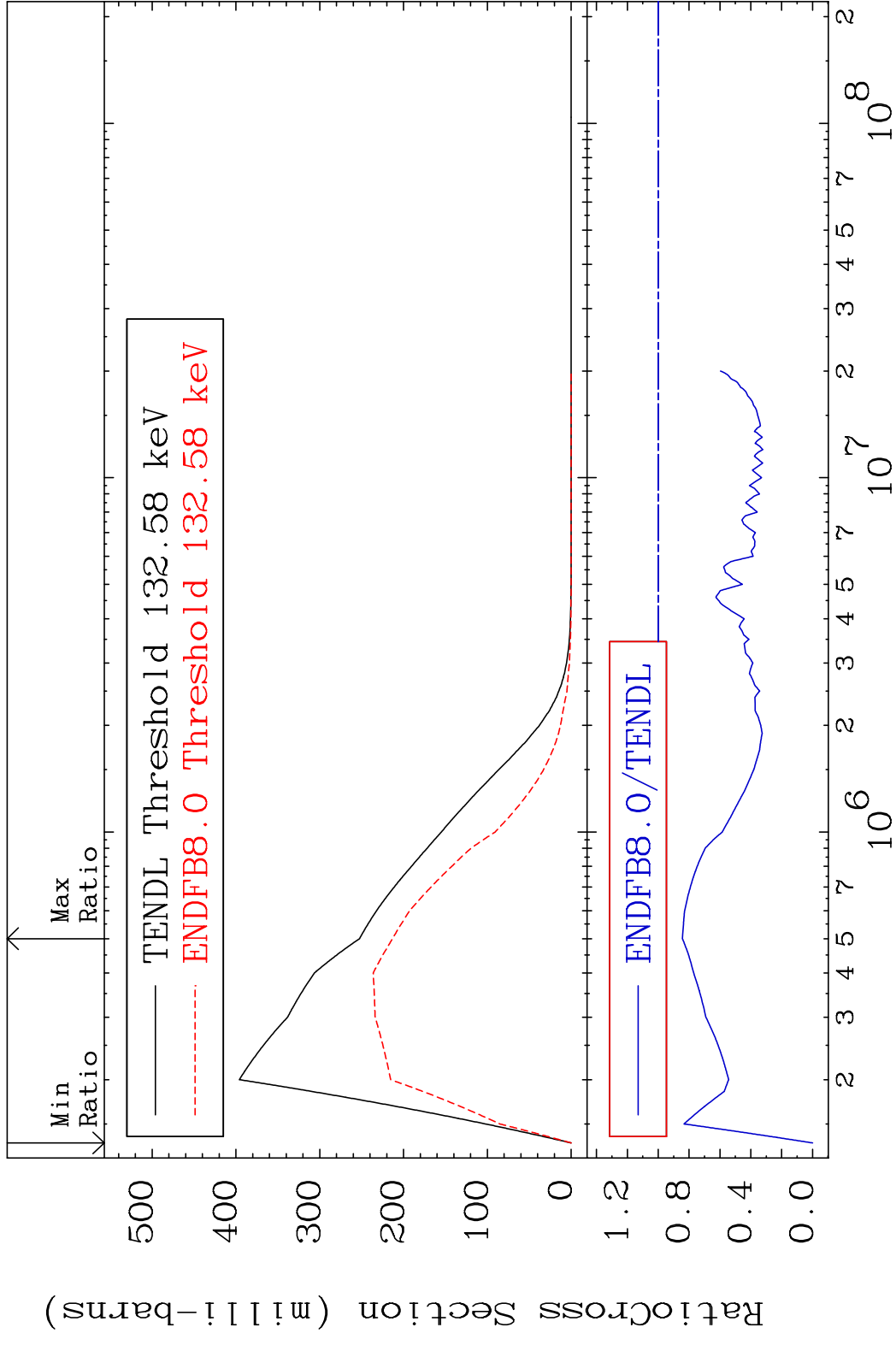


13 Incident Energy (eV) 66-Dy-161

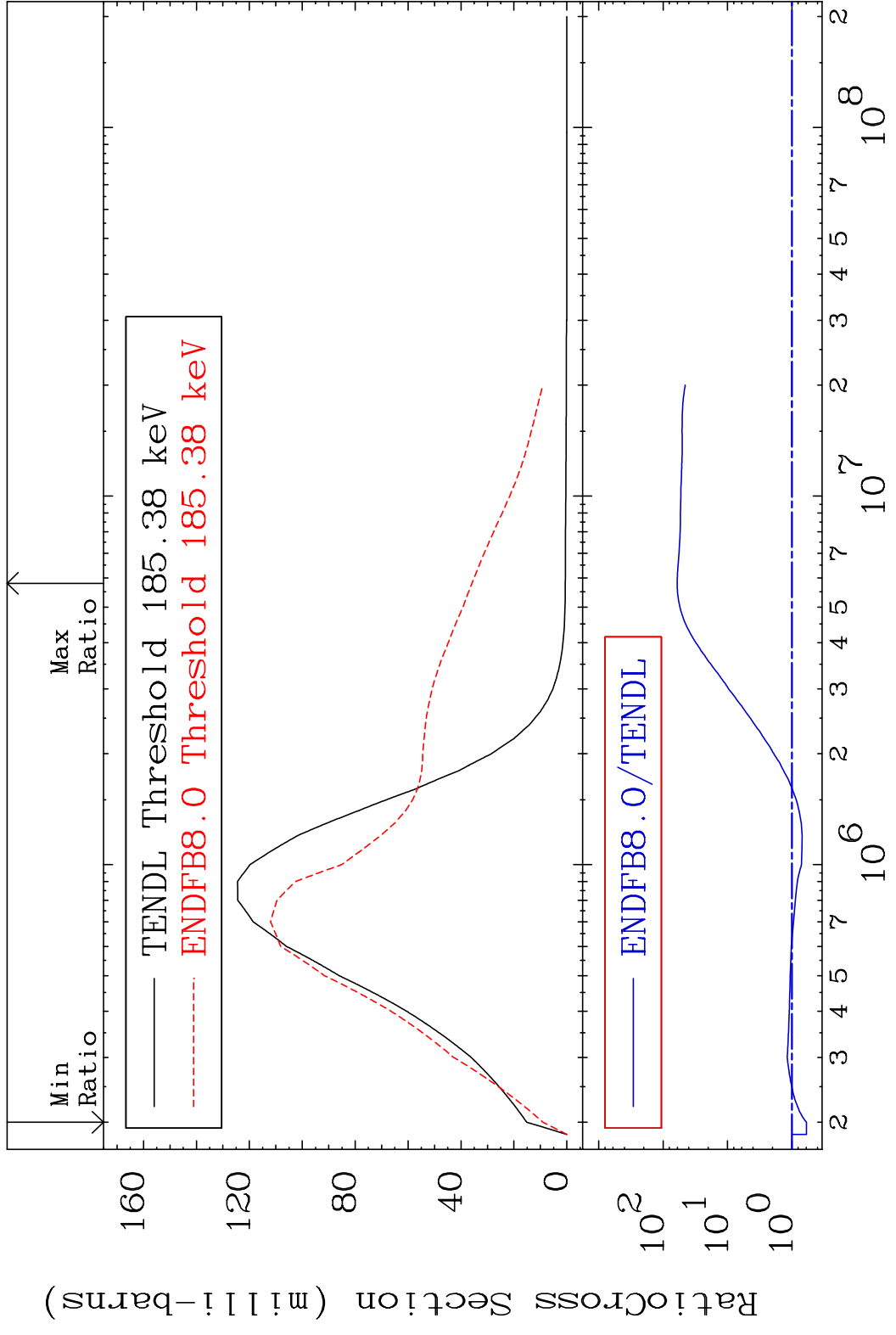
MAT 6640 MT= 55 (n,n') Level 66-Dy-161
 Cross Section -67.93 To 56.92 %



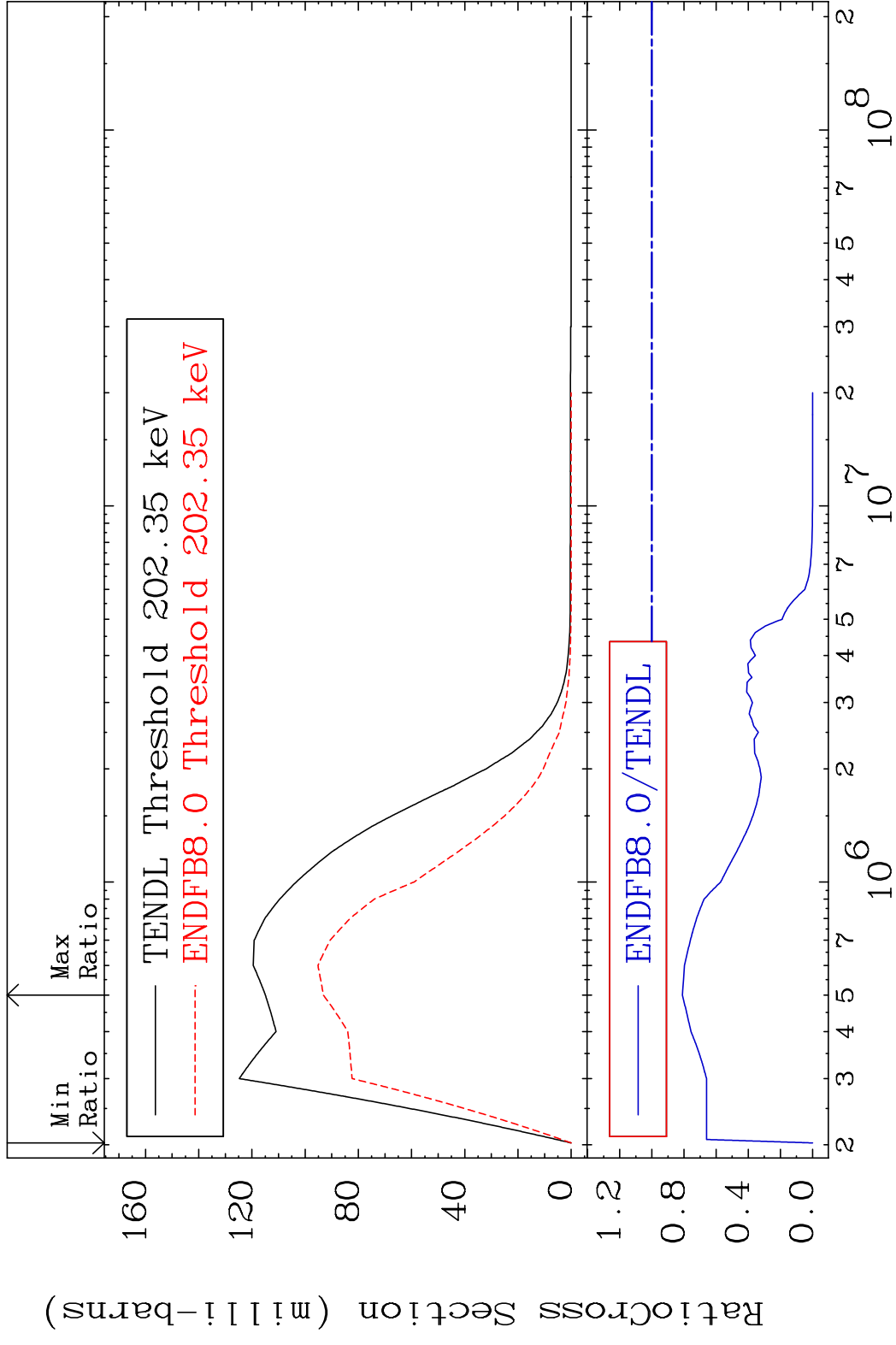
MAT 6640 MT= 56 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -15.64%



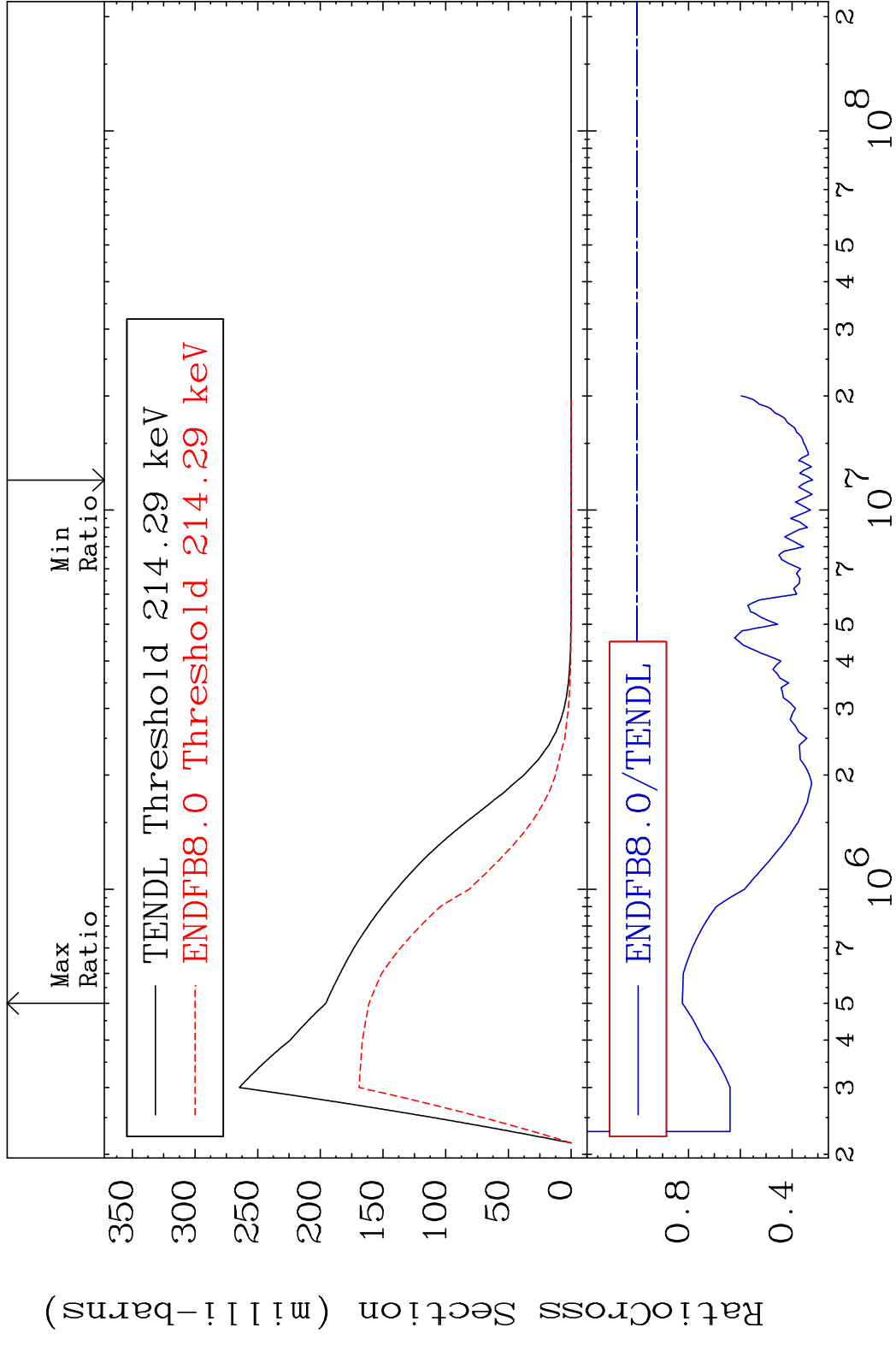
MAT 6640 MT= 57 (n, n') Level 66-Dy-161
 Cross Section -40.46 To 5951. %



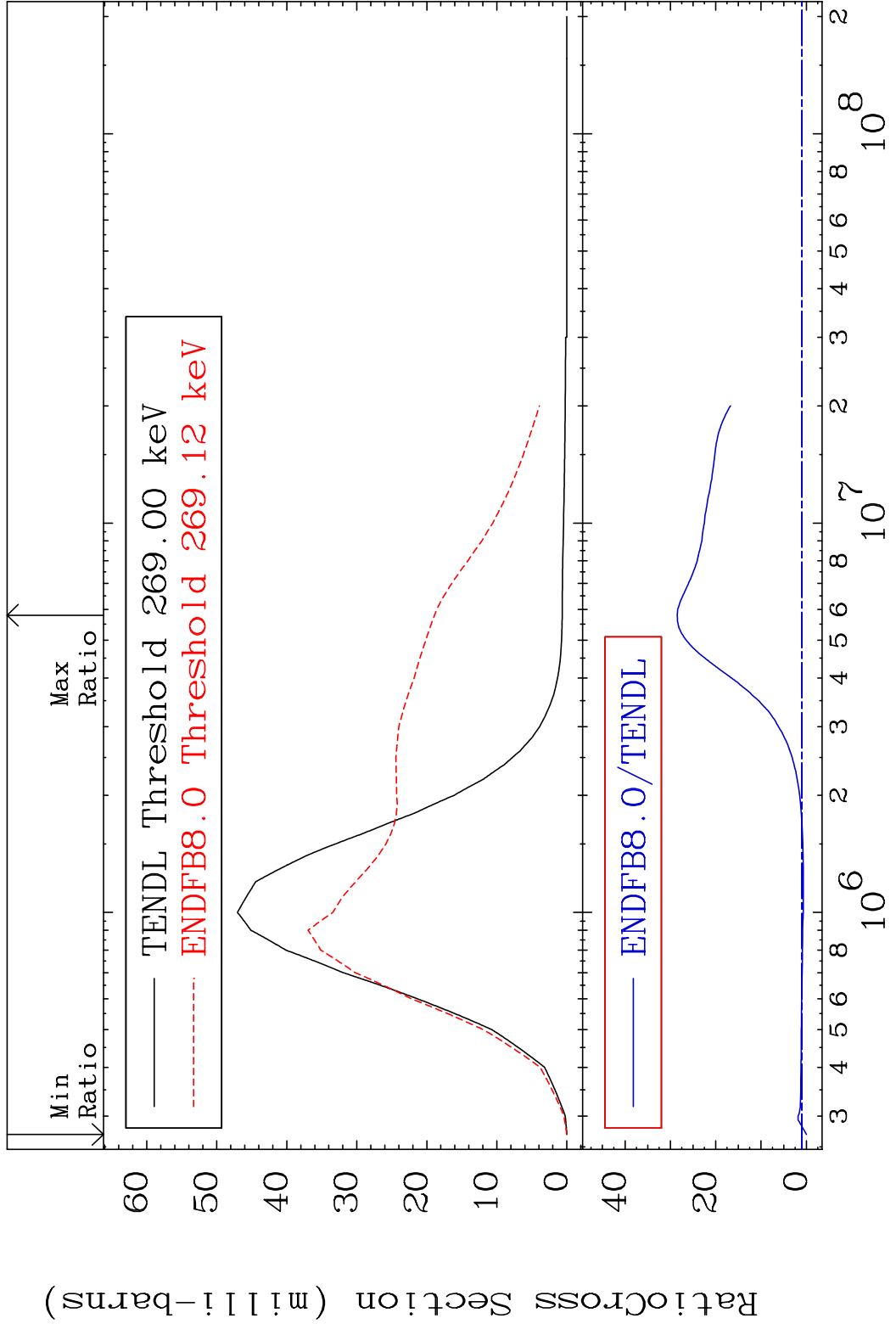
MAT 6640 MT= 58 (n,n') Level 66-Dy-161
 Cross Section -100.0 To -18.97%



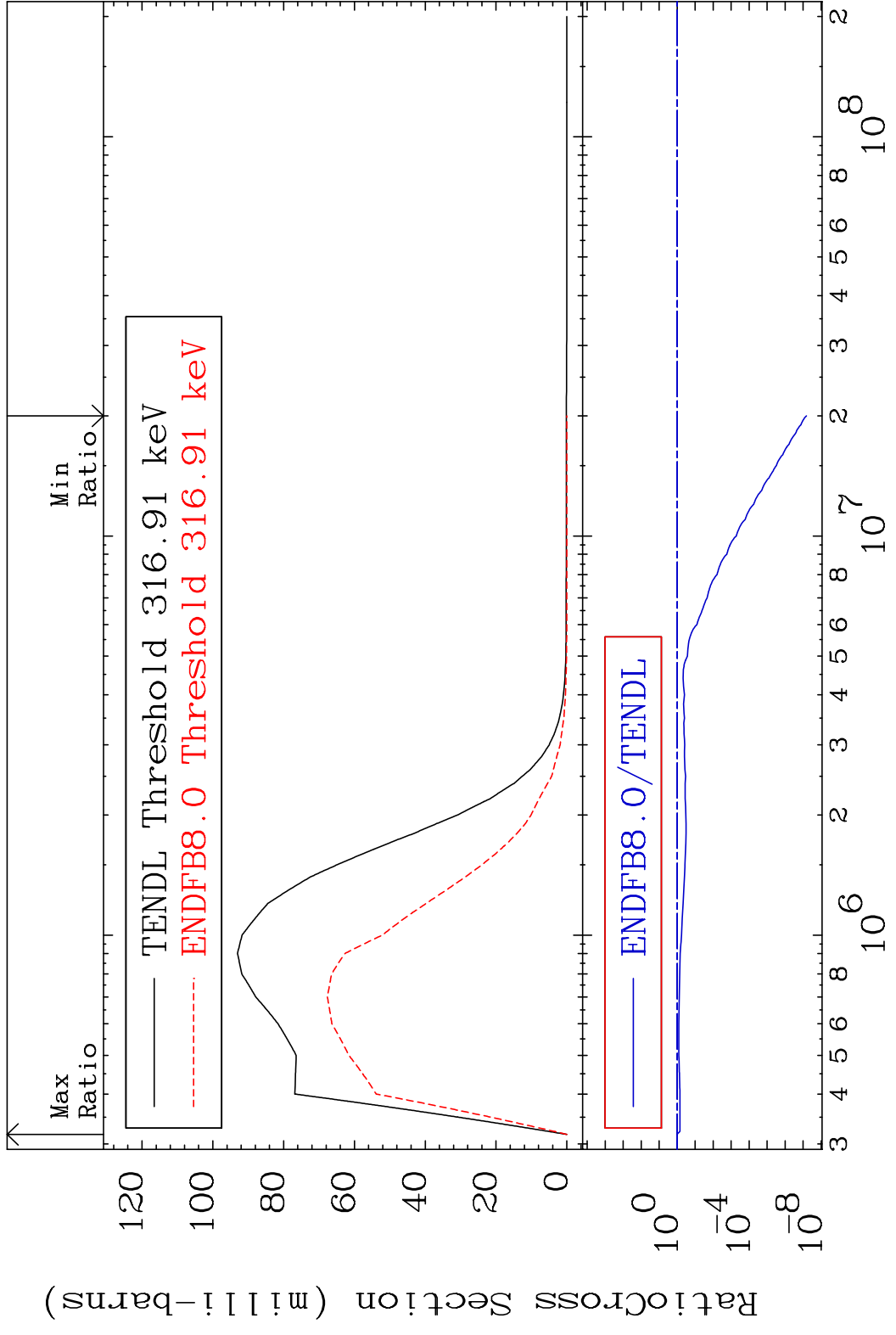
MAT 6640 MT= 59 (n, n') Level 66-Dy-161
 Cross Section -67.92 To -17.63%



MAT 6640 MT= 60 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 2750. %

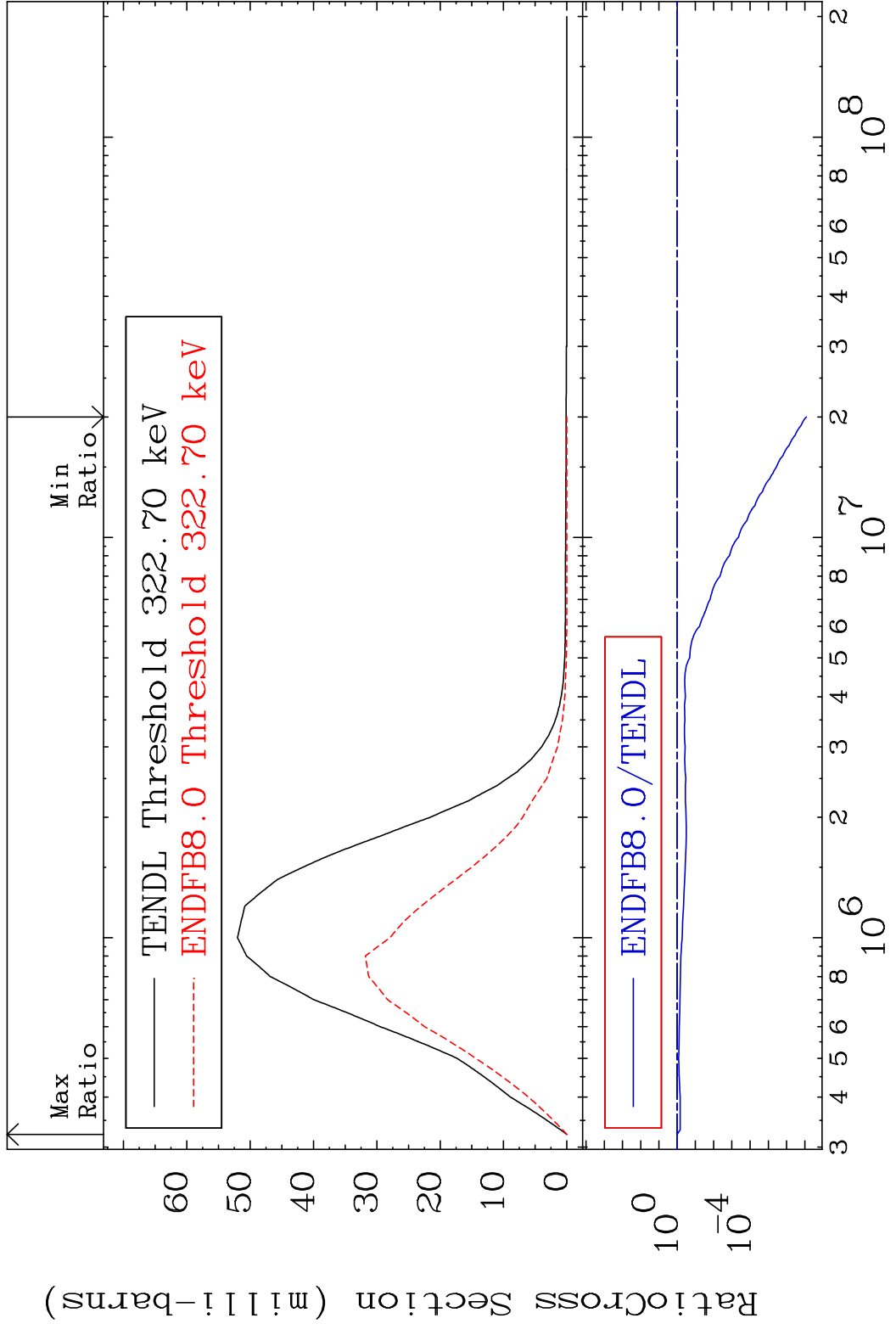


MAT 6640 MT= 61 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 0.000 %

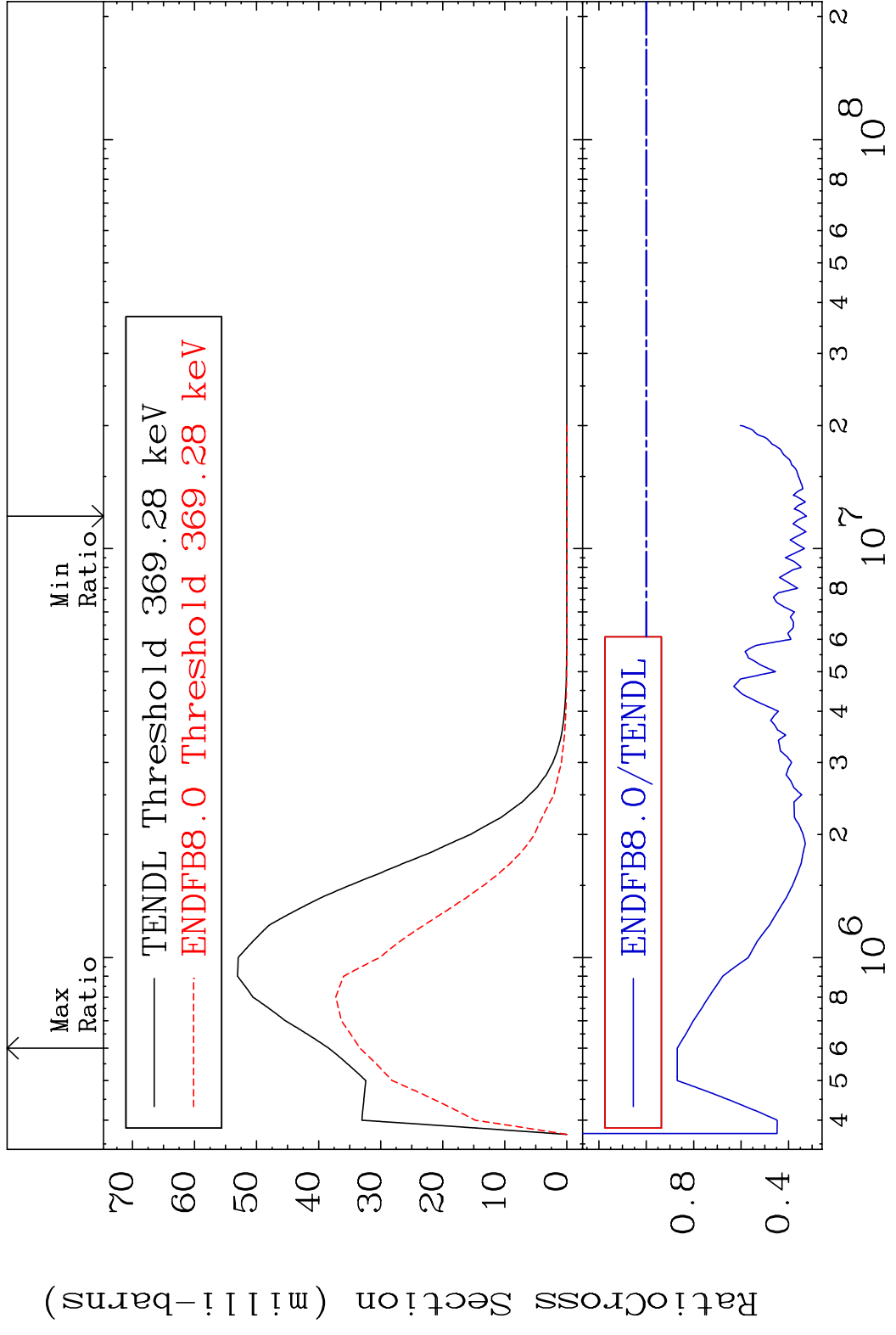


20 Incident Energy (eV) 66-Dy-161

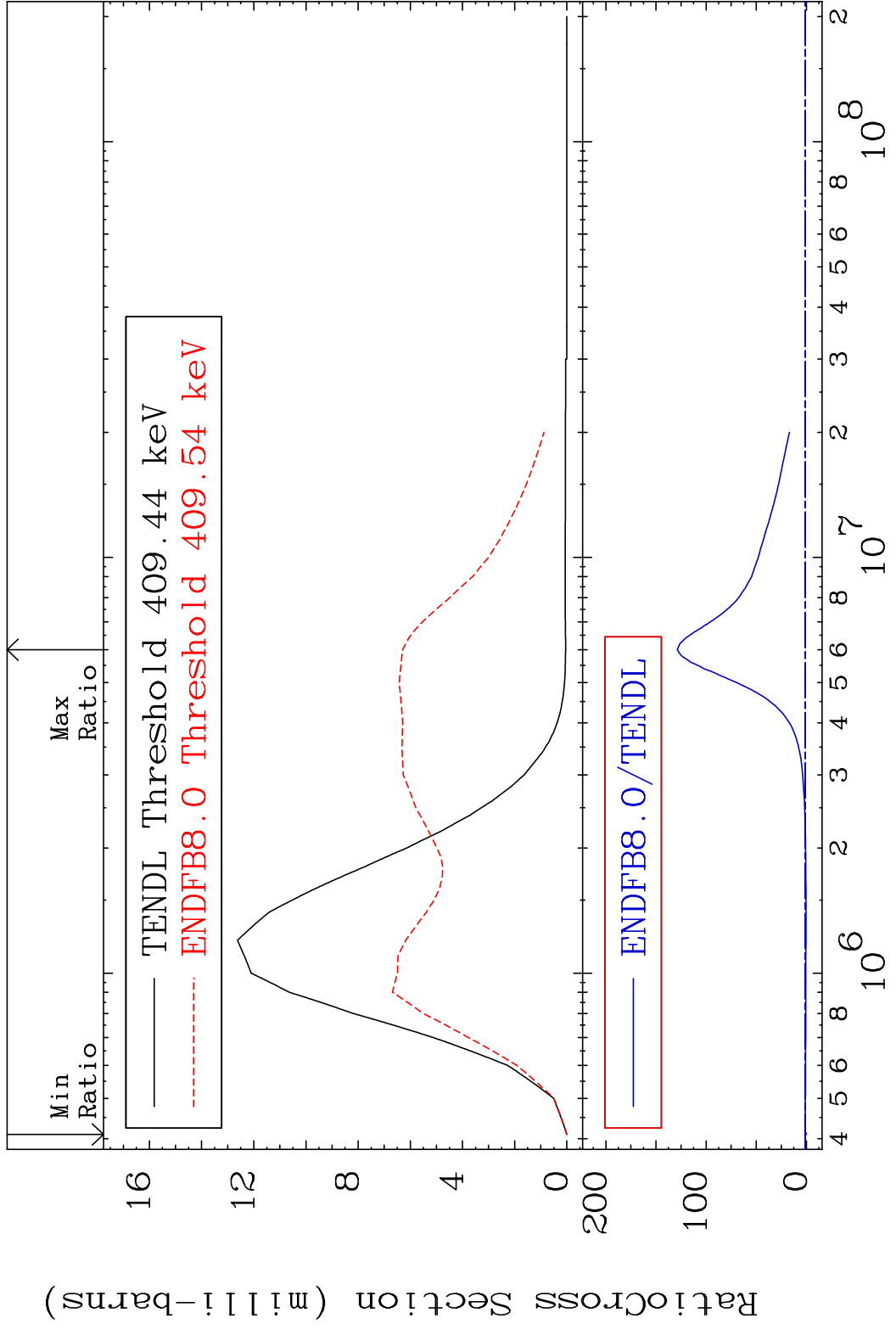
MAT 6640 MT= 62 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 0.000 %



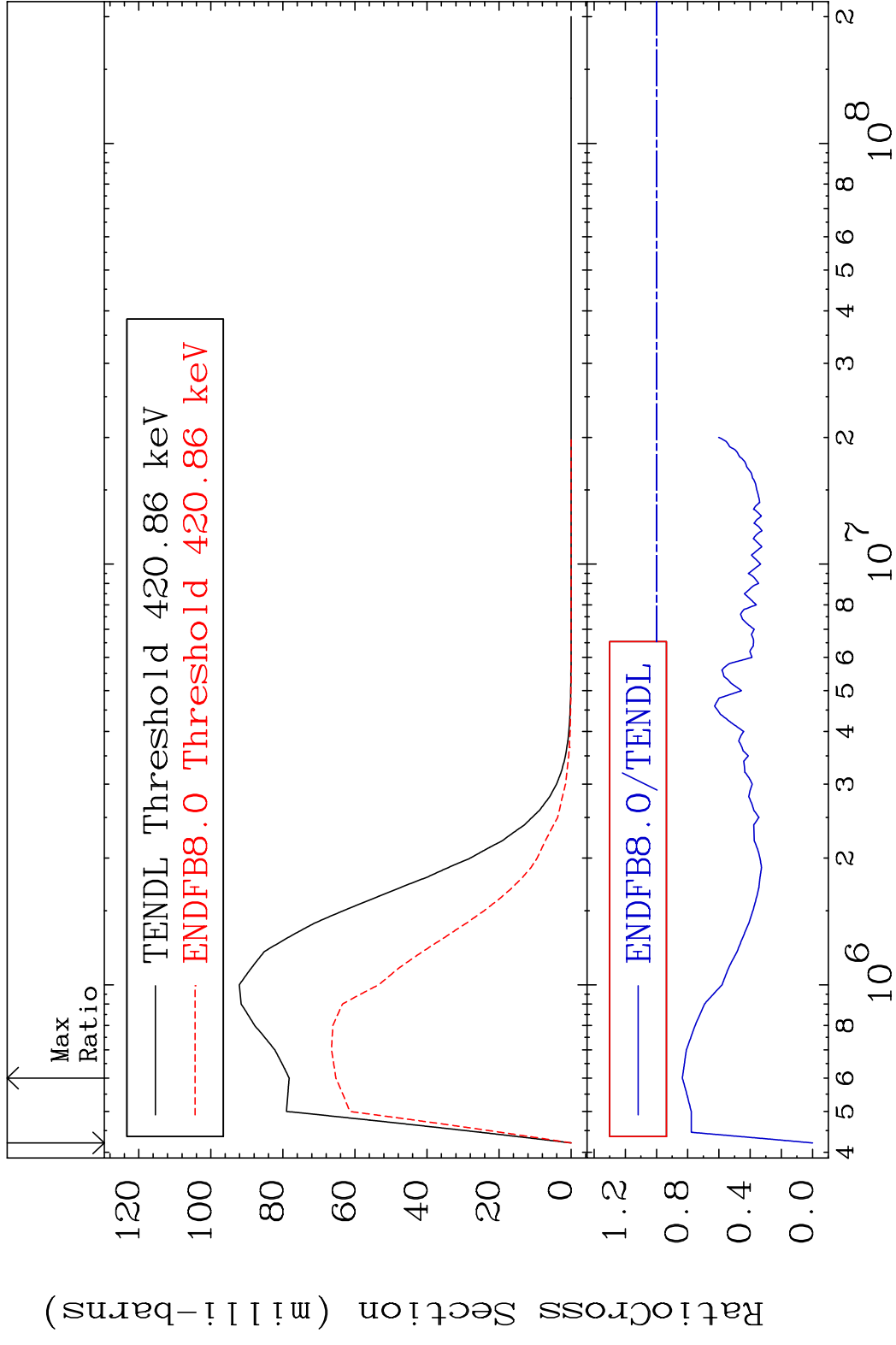
MAT 6640 MT= 63 (n, n') Level 66-Dy-161
 Cross Section -67.56 To -13.06%



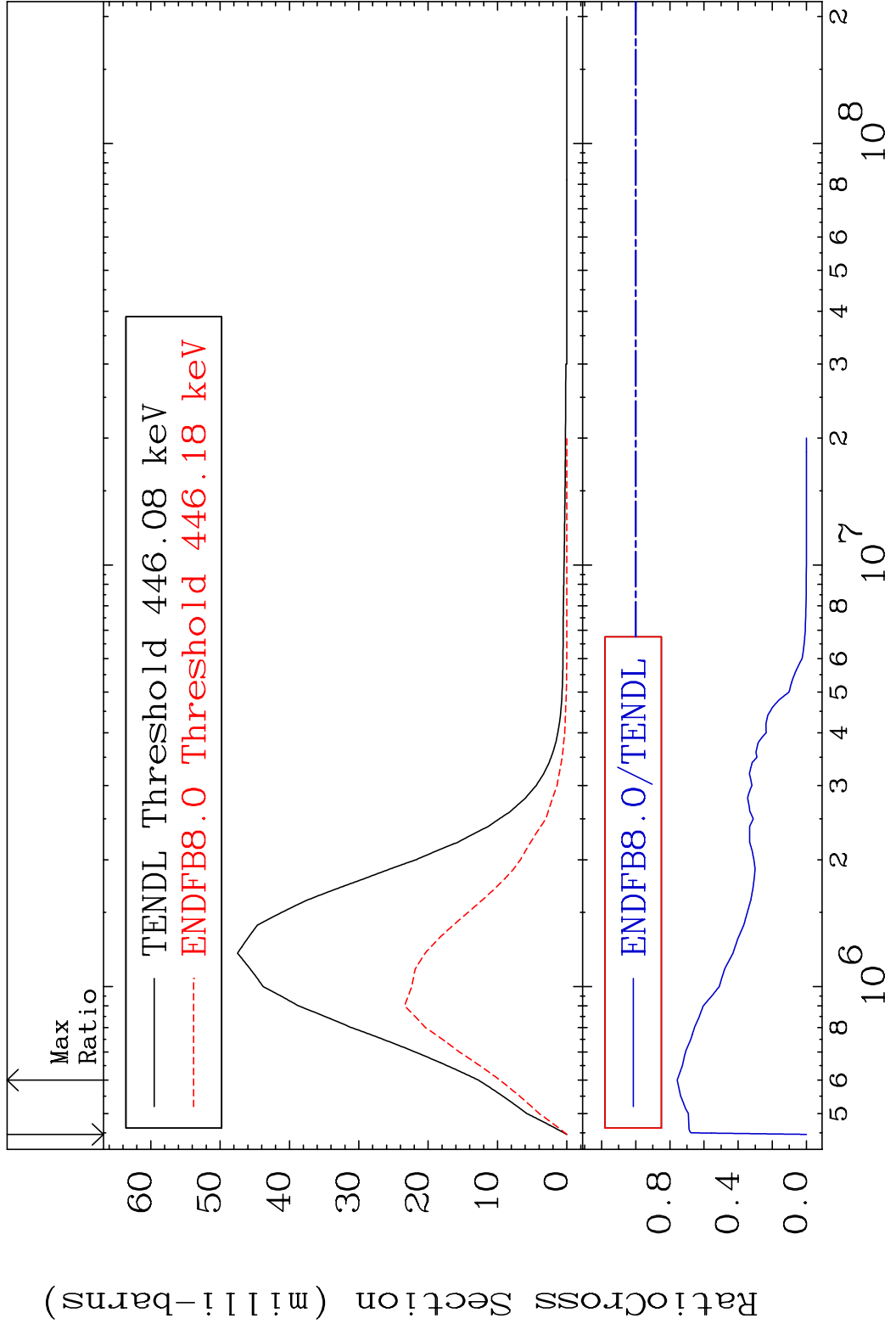
MAT 6640 MT= 64 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 9999. %



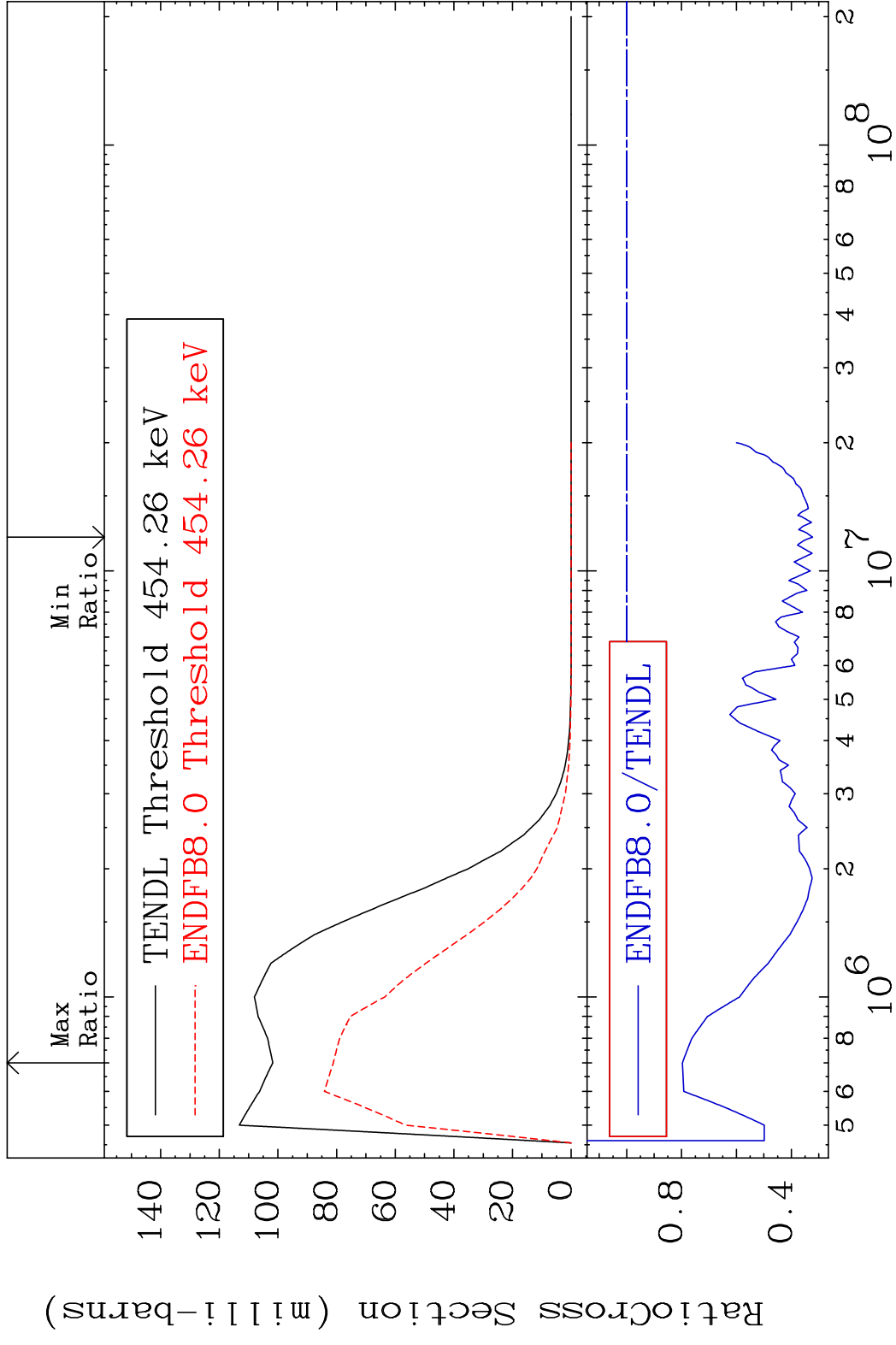
MAT 6640 MT= 65 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -16.55%



MAT 6640 MT= 66 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -24.28%

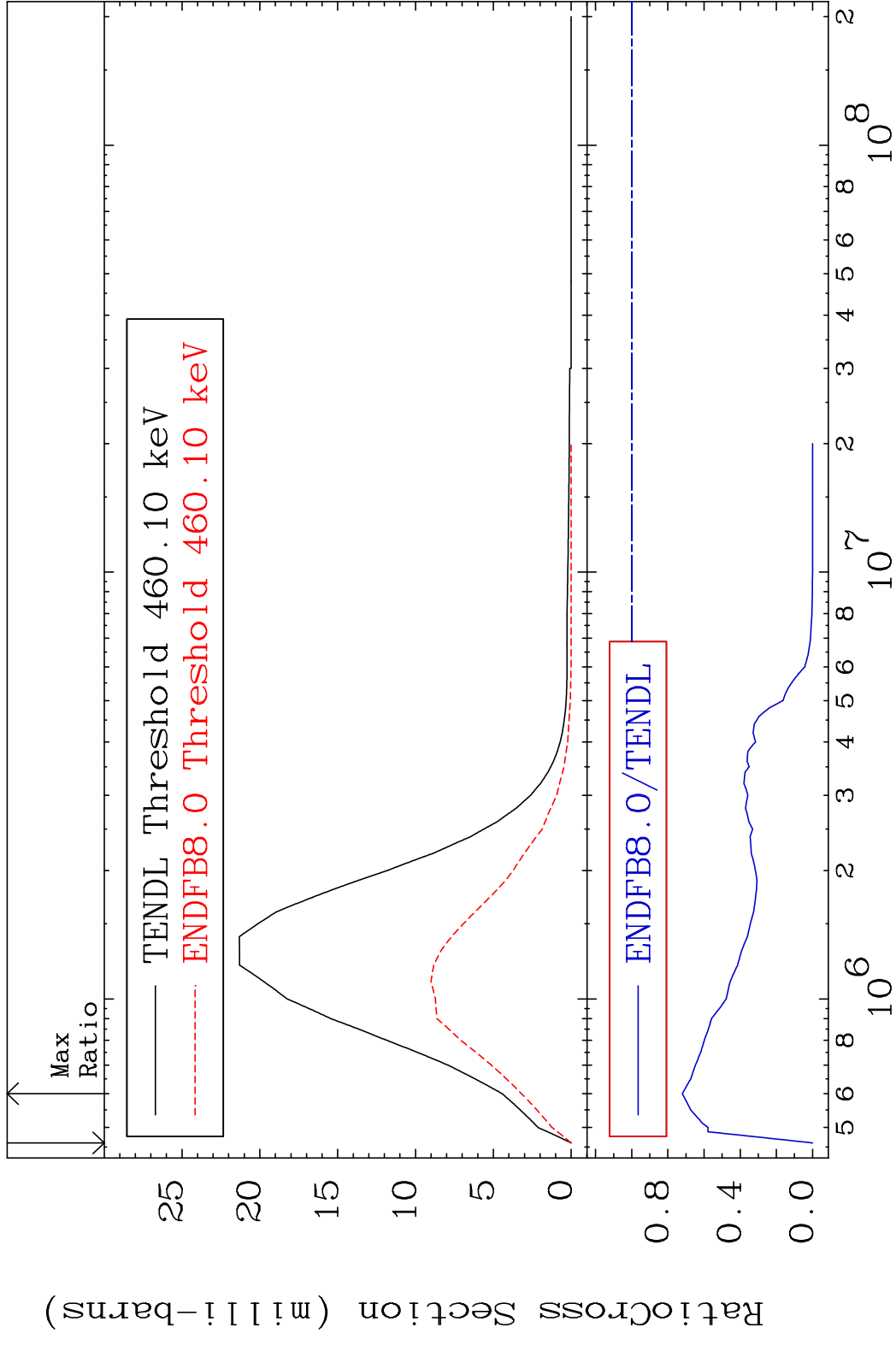


MAT 6640 MT= 67 (n, n') Level 66-Dy-161
 Cross Section -67.74 To -20.29%

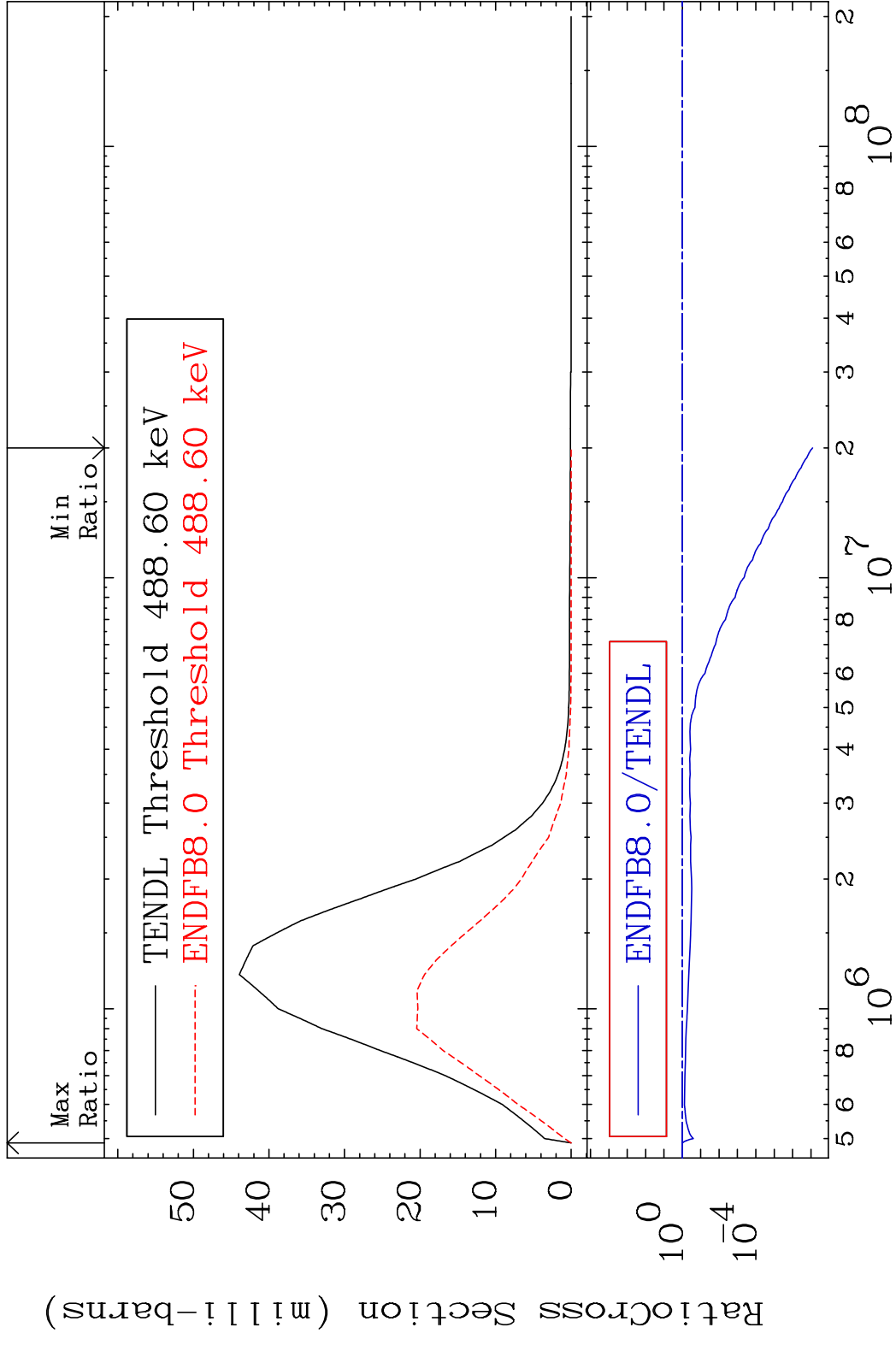


26 Incident Energy (eV) 66-Dy-161

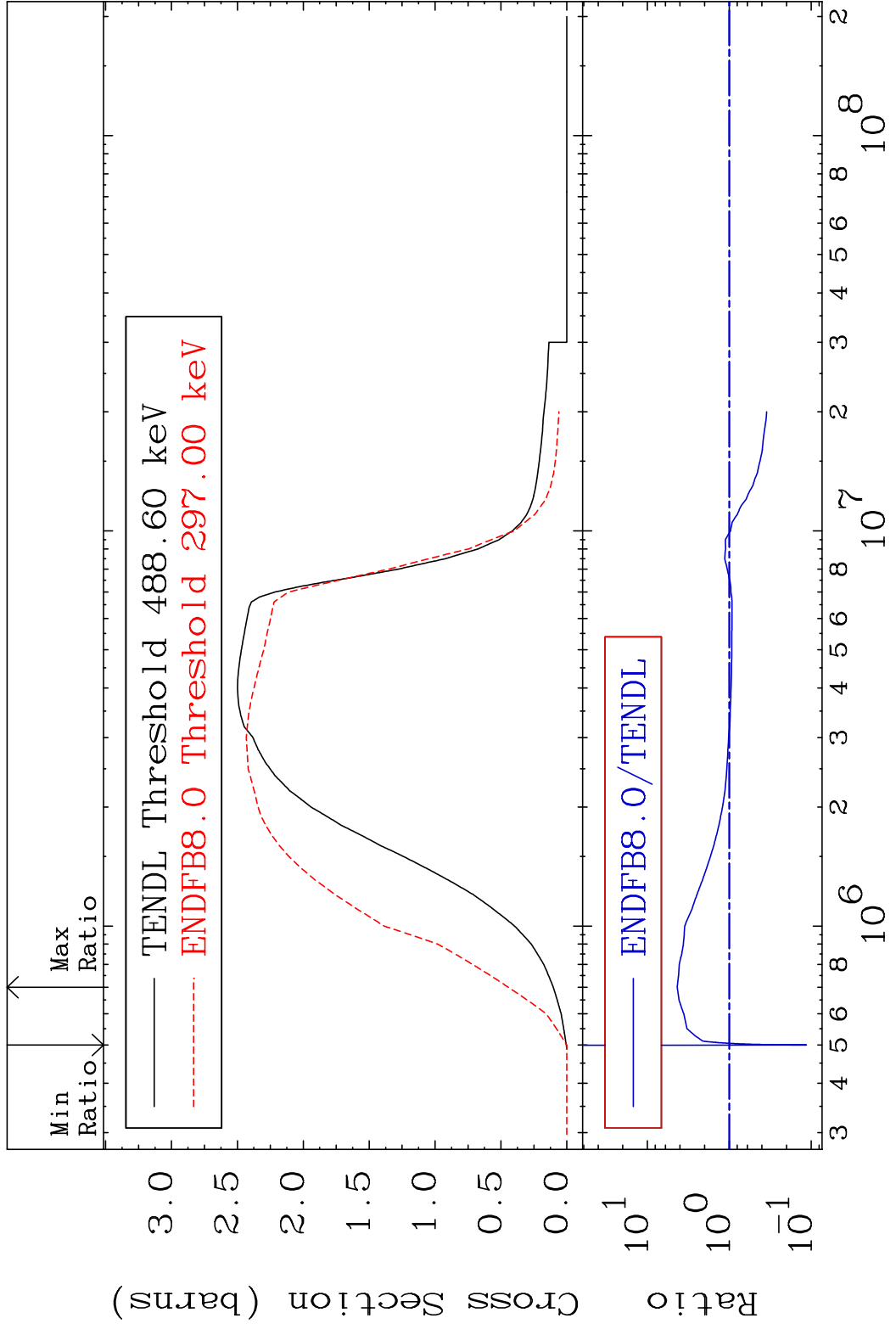
MAT 6640 MT= 68 (n, n') Level 66-Dy-161
 Cross Section -100.0 To -27.99%



MAT 6640 MT= 69 (n, n') Level 66-Dy-161
 Cross Section -100.0 To 0.000 %



MAT 6640 (n,n') Continuum 66-Dy-161
 Cross Section -88.59 To 332.6 %

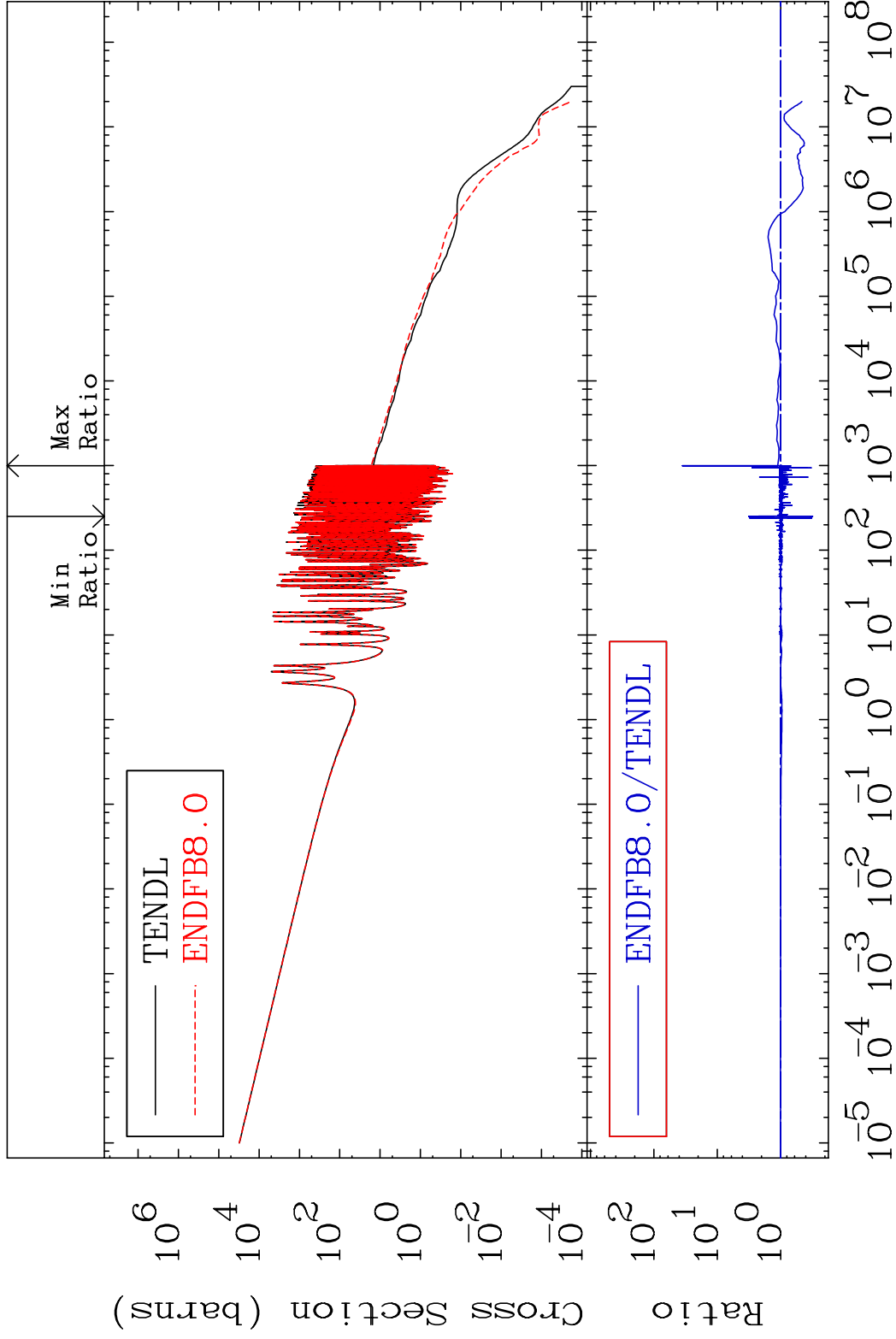


MAT 6640

(n, γ)

66-Dy-161

Cross Section -68.67 To 3455. %



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Incident Energy (eV)

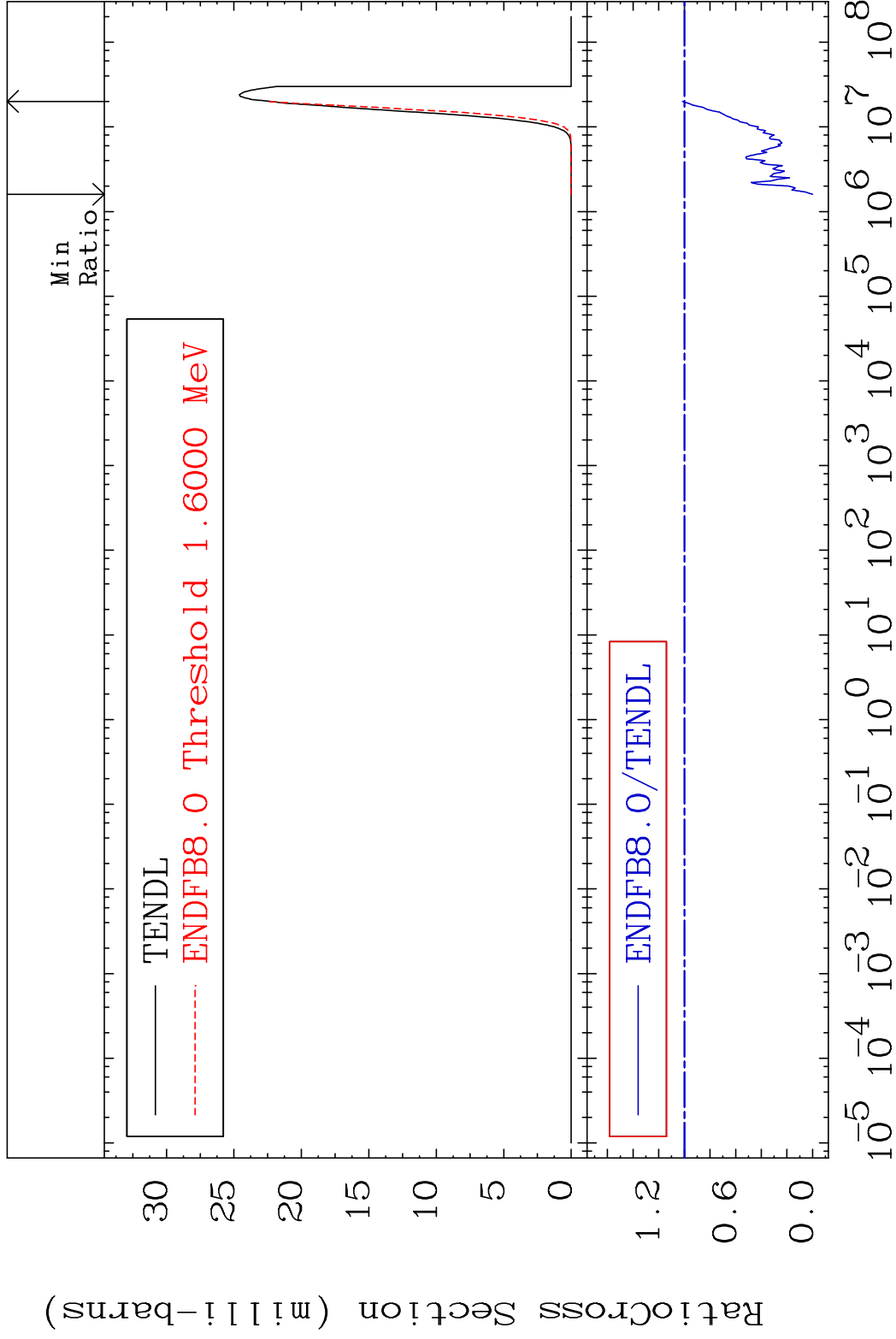
66-Dy-161

MAT 6640

(n, p)

66-Dy-161

Cross Section -100.0 To 1.571 %



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Incident Energy (eV)

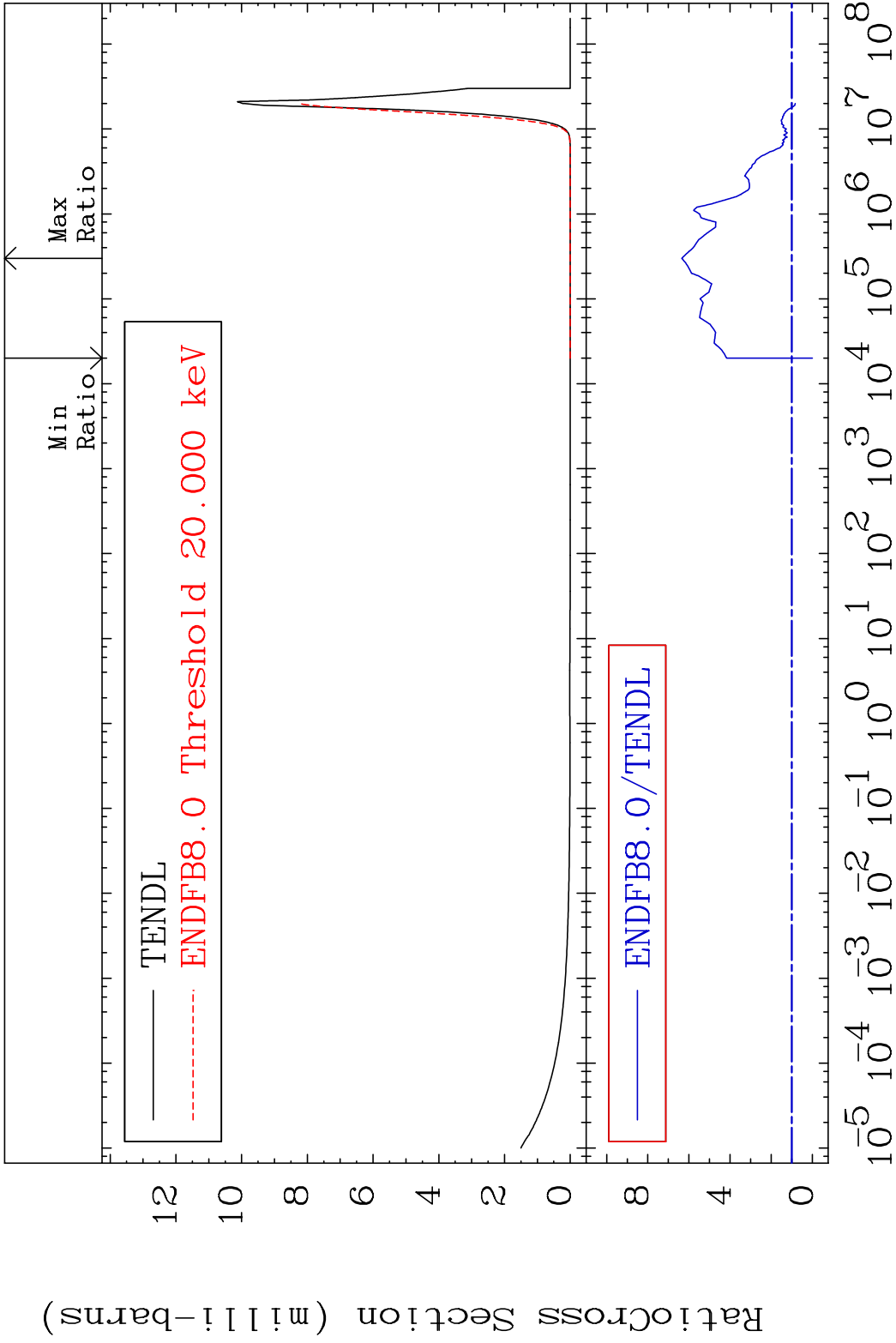
66-Dy-161

MAT 6640

(n, α)

66-Dy-161

Cross Section -100.0 To 534.9 %



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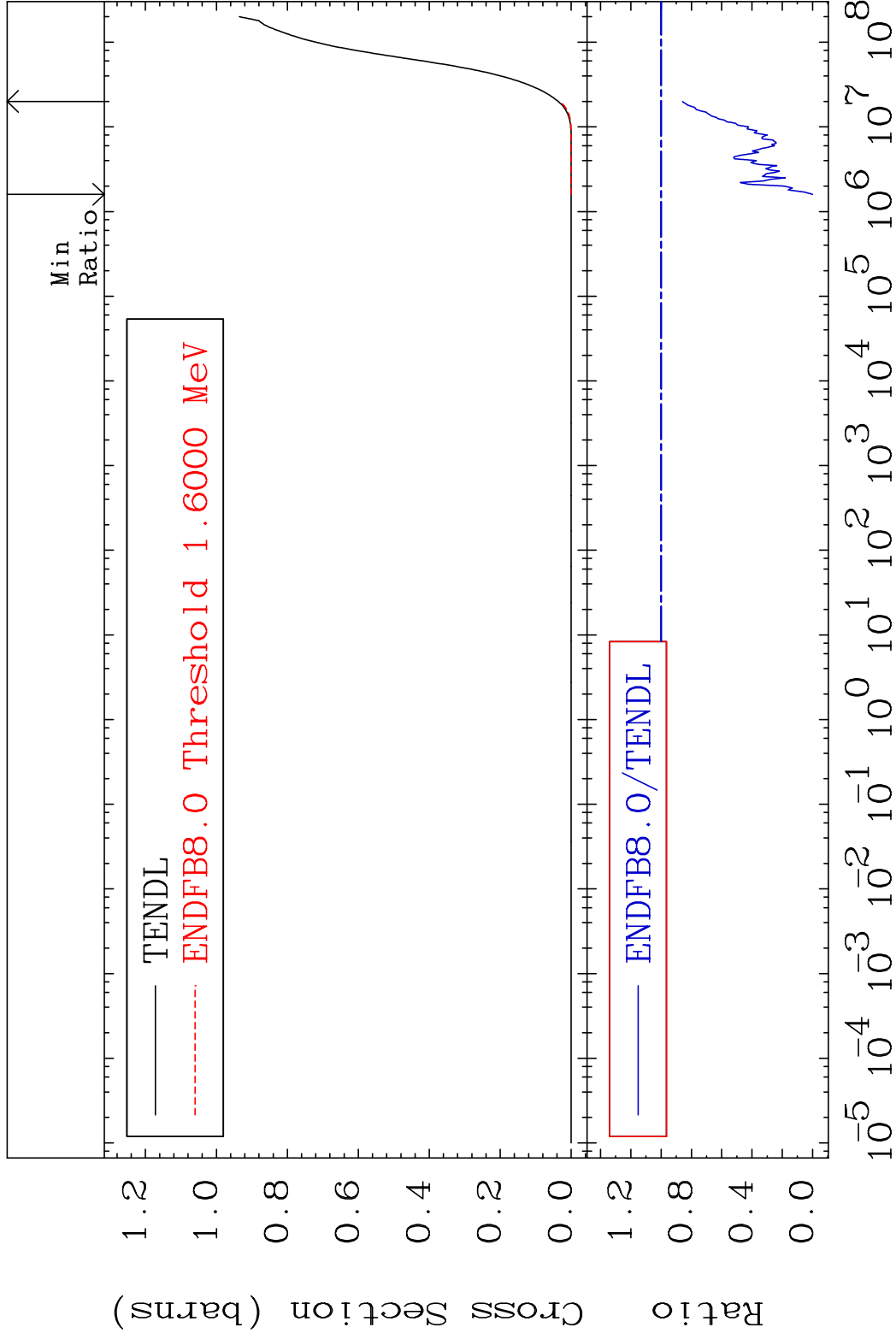
Incident Energy (eV)

66-Dy-161

MAT 6640

Hydrogen Production 66-Dy-161

Cross Section -100.0 To -14.02%



33

Incident Energy (eV)

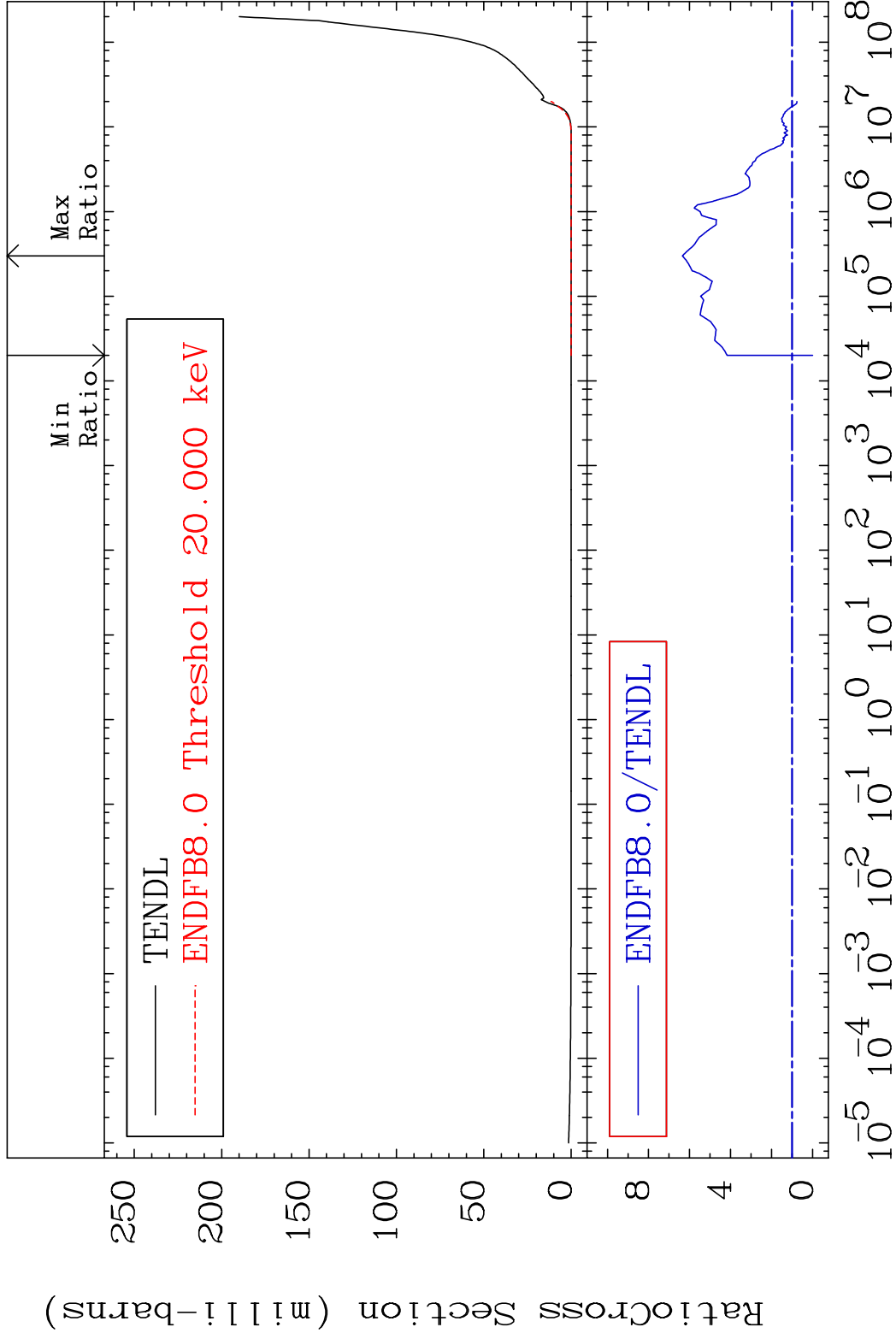
66-Dy-161

MAT 6640

He-4 Production

66-Dy-161

Cross Section -100.0 To 534.9 %

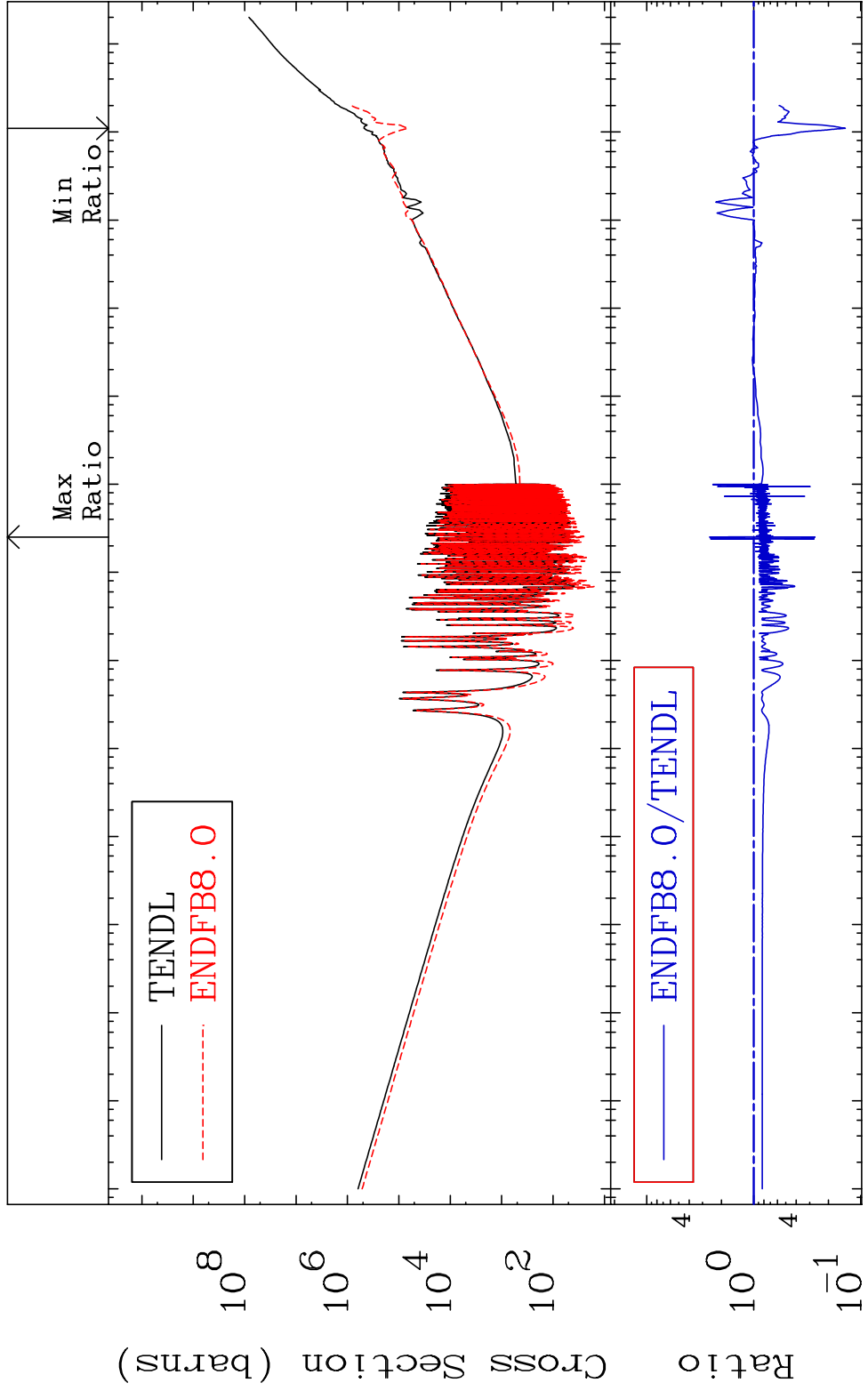


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Incident Energy (eV)

66-Dy-161

MAT 6640 Kerma total (eV-barns) 66-Dy-161
 Cross Section -86.07 To 156.8 %

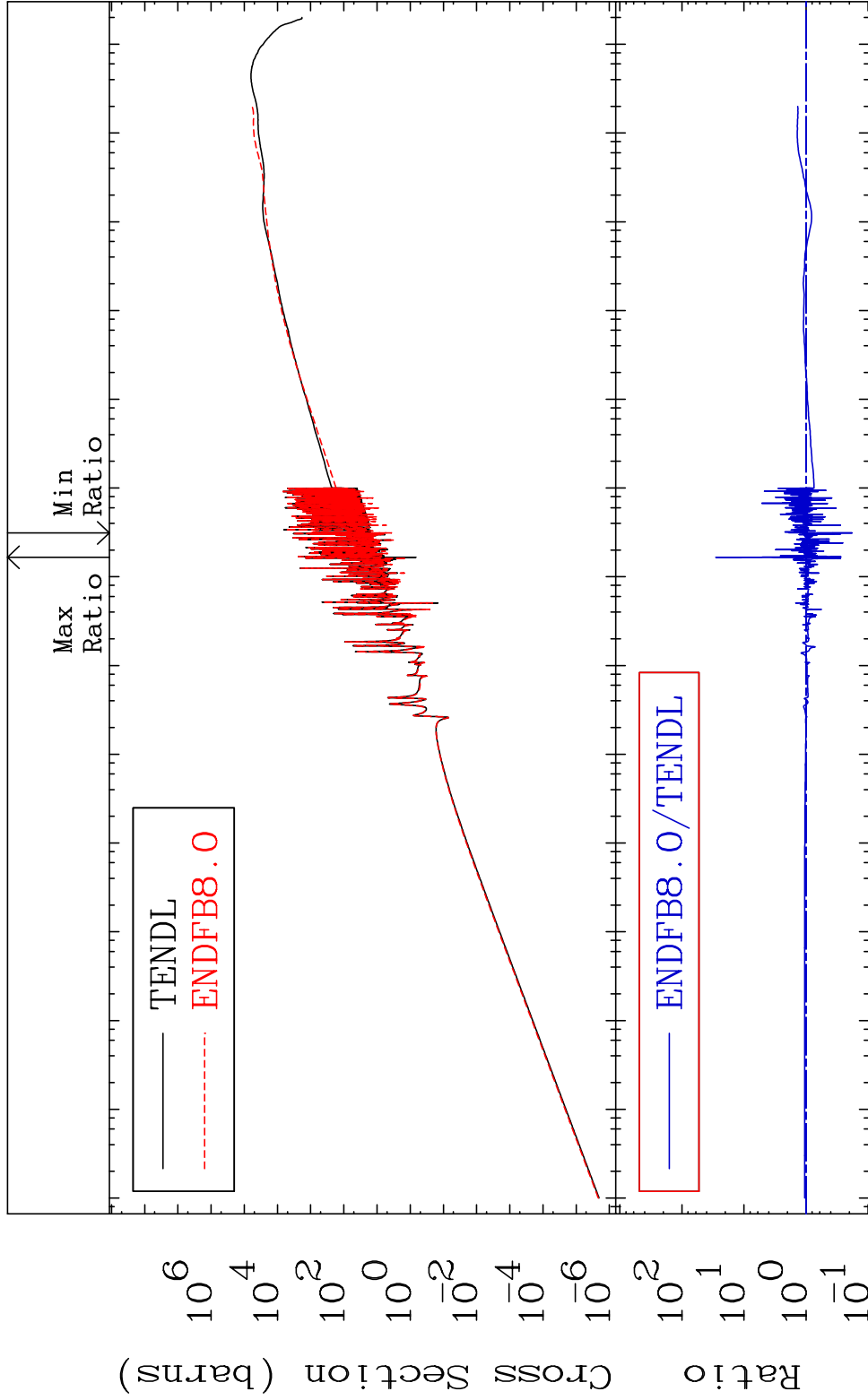


MAT 6640

Kerma elastic

66-Dy-161

Cross Section -81.95 To 2764. %

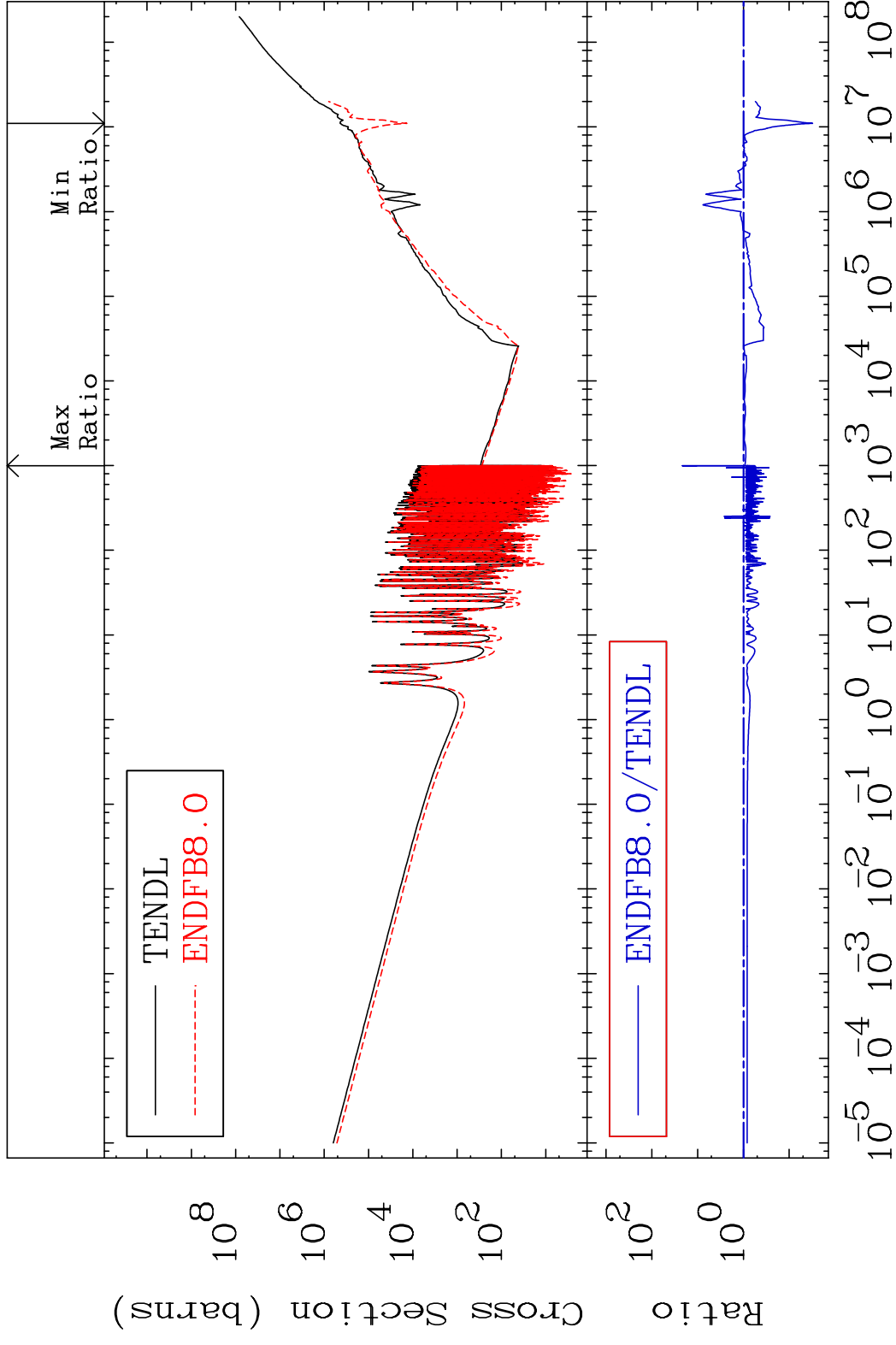


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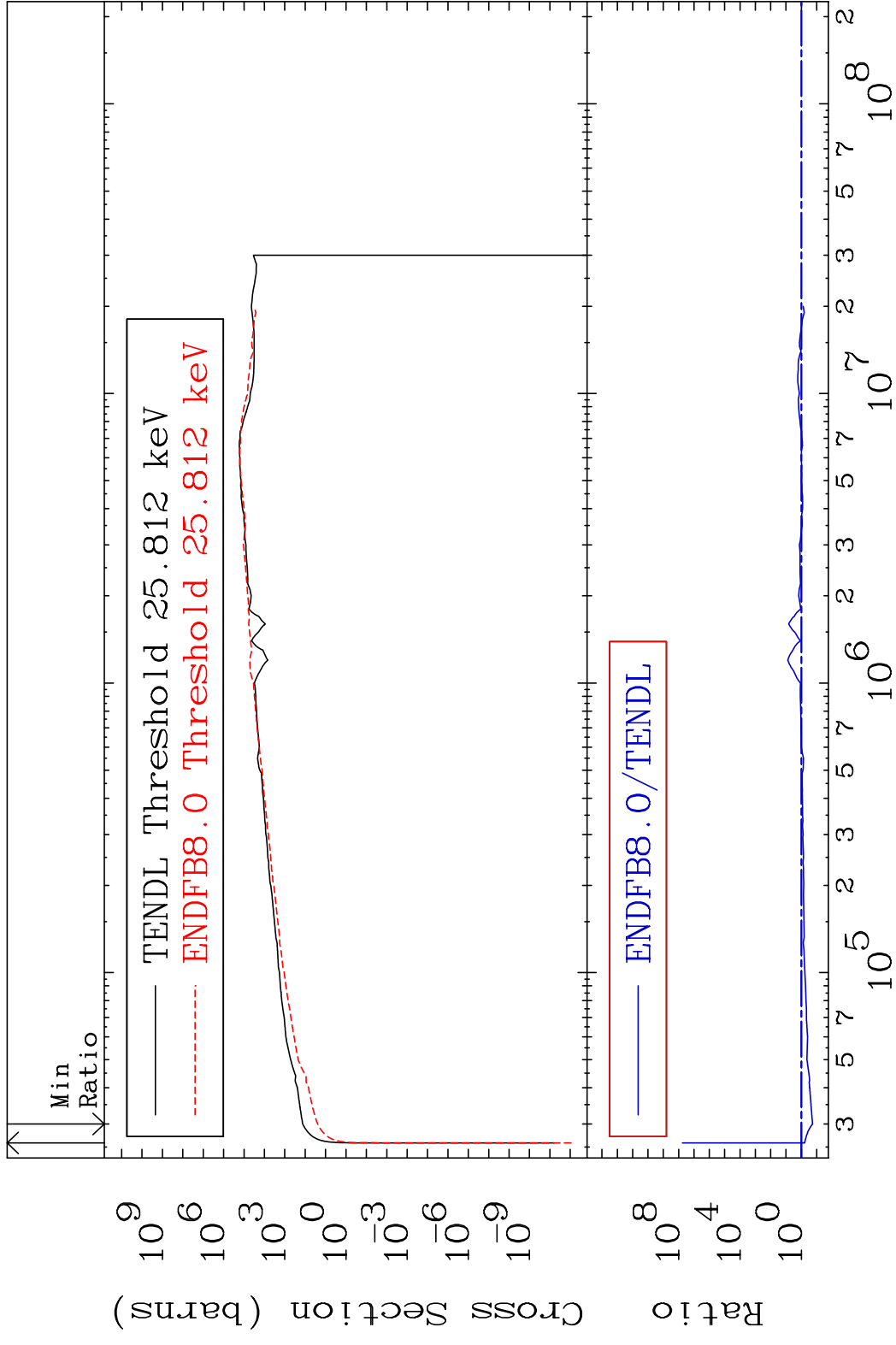
Incident Energy (eV)

66-Dy-161

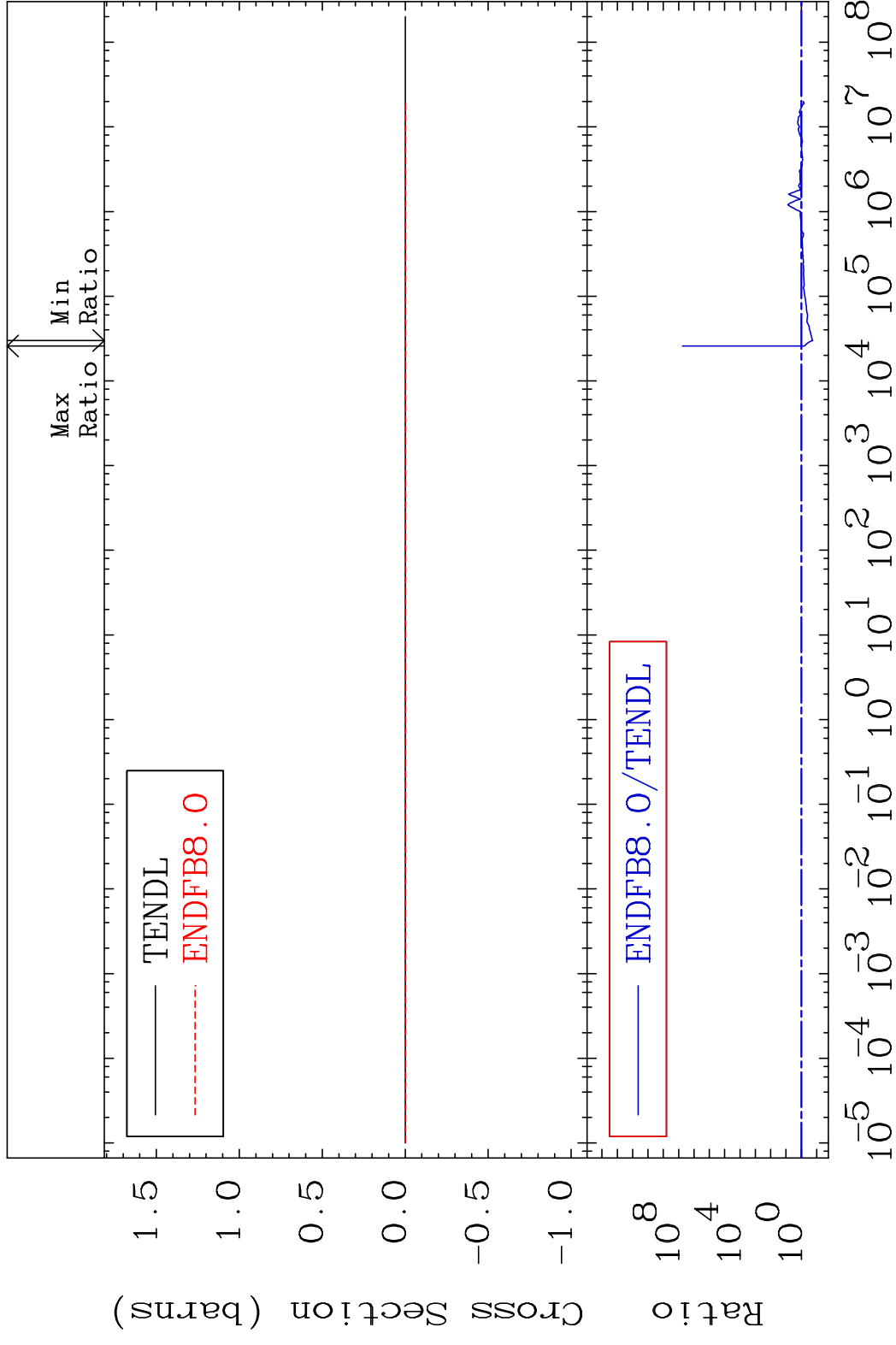
MAT 6640 Kerma non-elastic (all but mt2) 66-Dy-161
 Cross Section -96.91 To 2058. %



MAT 6640 Kerma inelastic (mt51-91) 66-Dy-161
 Cross Section -81.48 To 9999. %

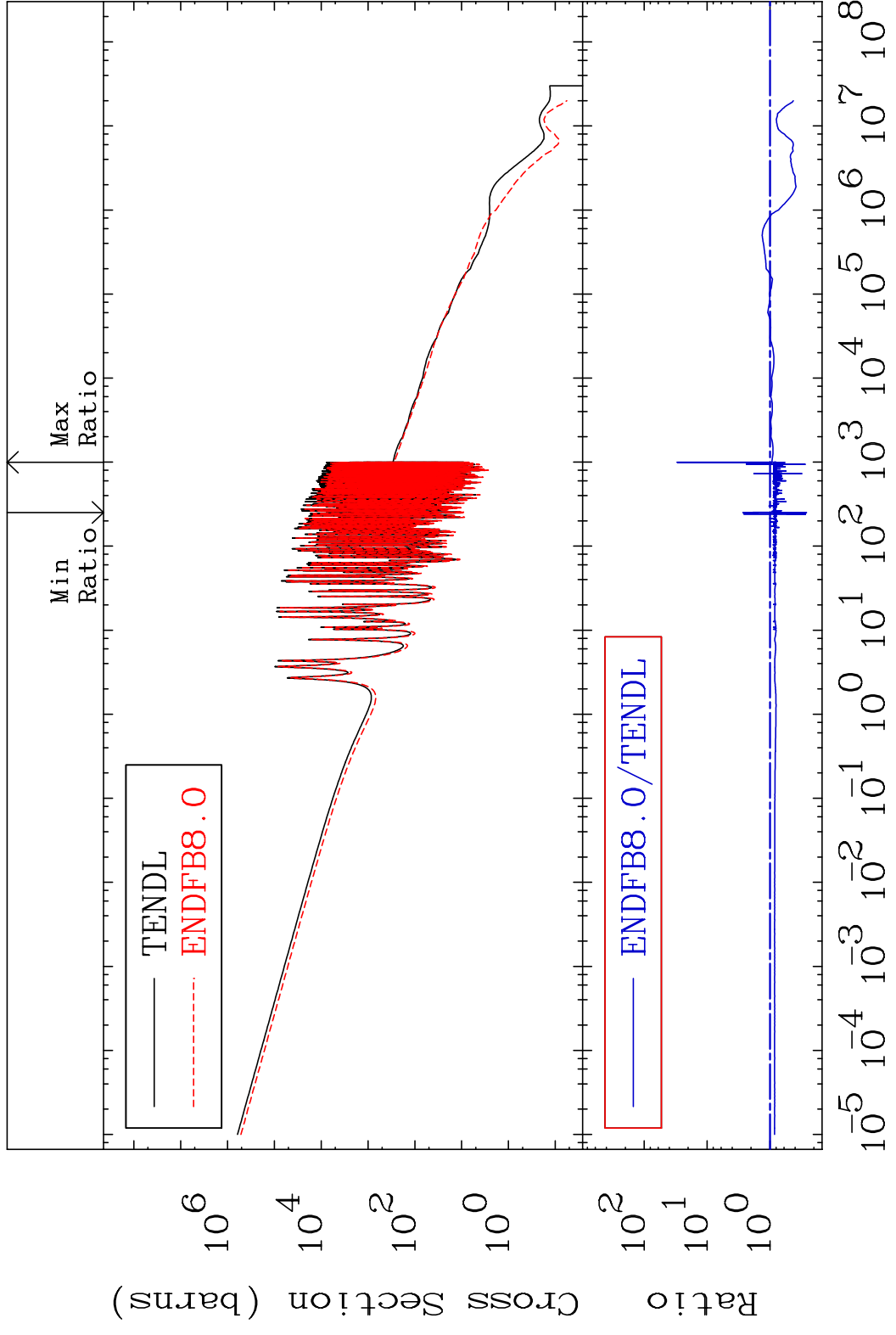


MAT 6640 Kerma fission (mt18 or mt19-20-21-38) 66-Dy-161
 Cross Section -81.48 To 9999. %



MAT 6640

Kerma capture (mt102) 66-Dy-161
Cross Section -73.62 To 2893. %

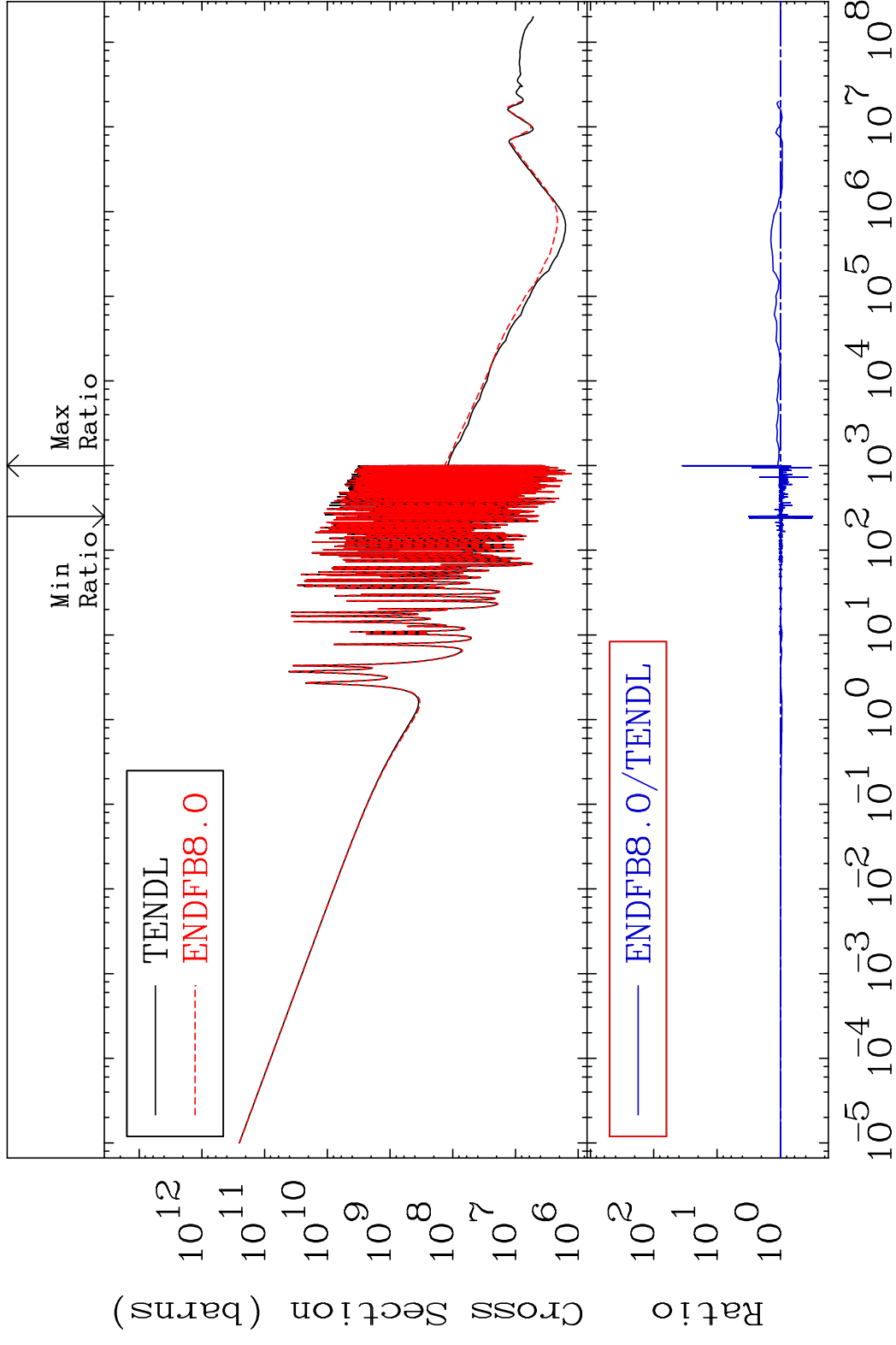


40

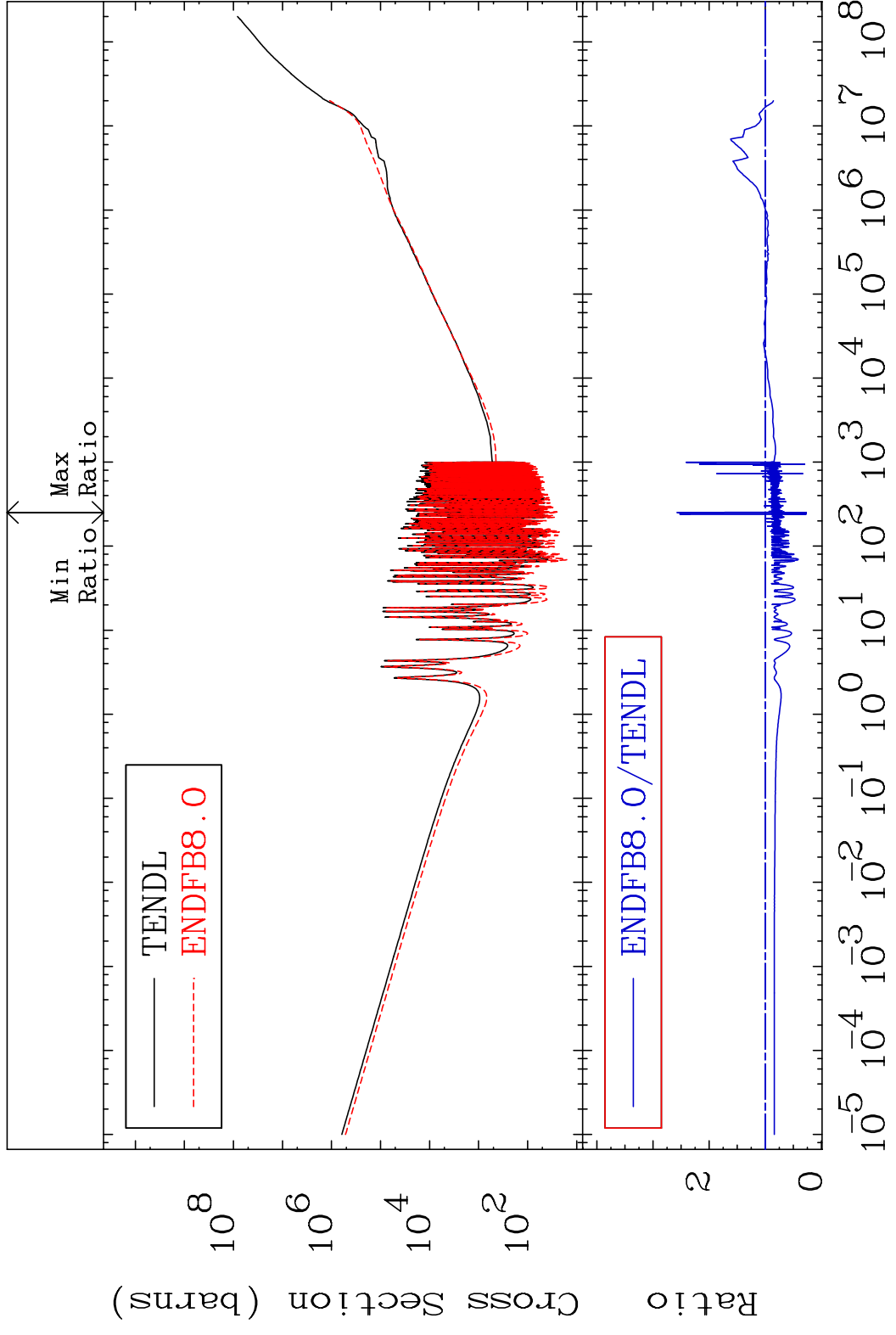
Incident Energy (eV)

66-Dy-161

MAT 6640 Total photon (eV-barns) 66-Dy-161
 Cross Section -68.84 To 3435. %



MAT 6640 Total kinematic kerma (high limit) 66-Dy-161
Cross Section -73.30 To 156.8 %

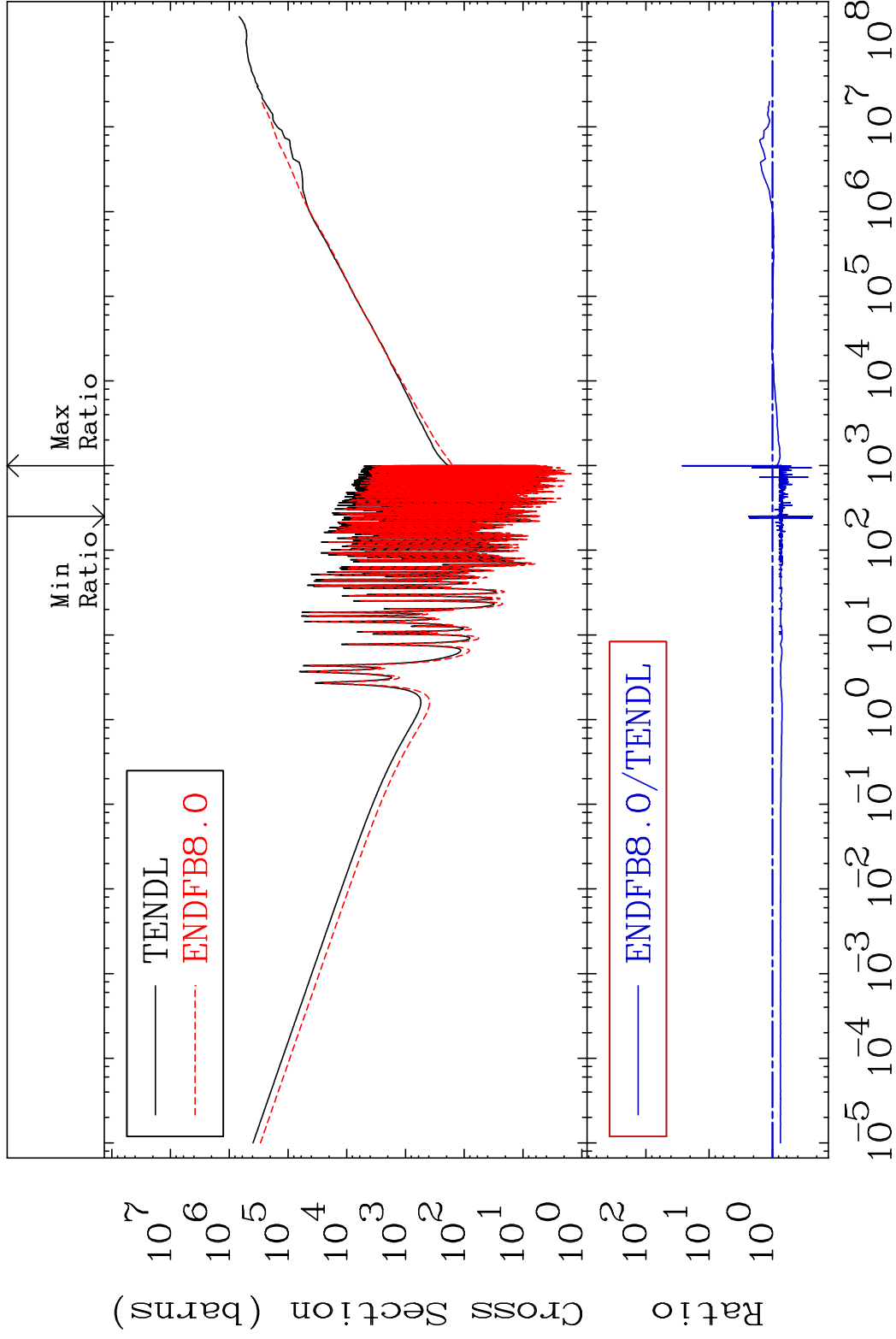


MAT 6640

Dpa total (eV-barns)

66-Dy-161

Cross Section -76.66 To 2549. %



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Incident Energy (eV)

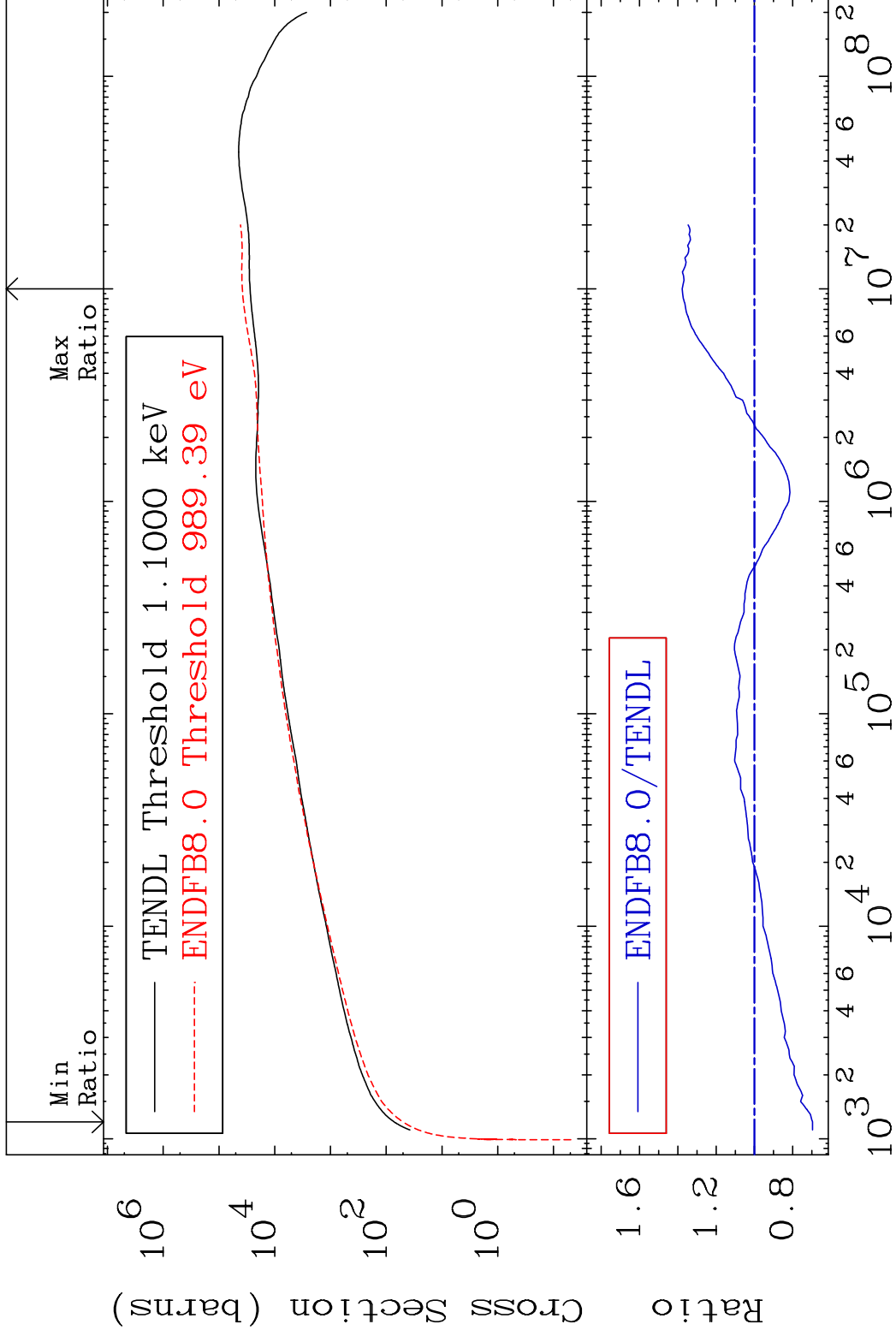
66-Dy-161

MAT 6640

Dpa elastic (mt2)

66-Dy-161

Cross Section -30.30 To 37.72 %

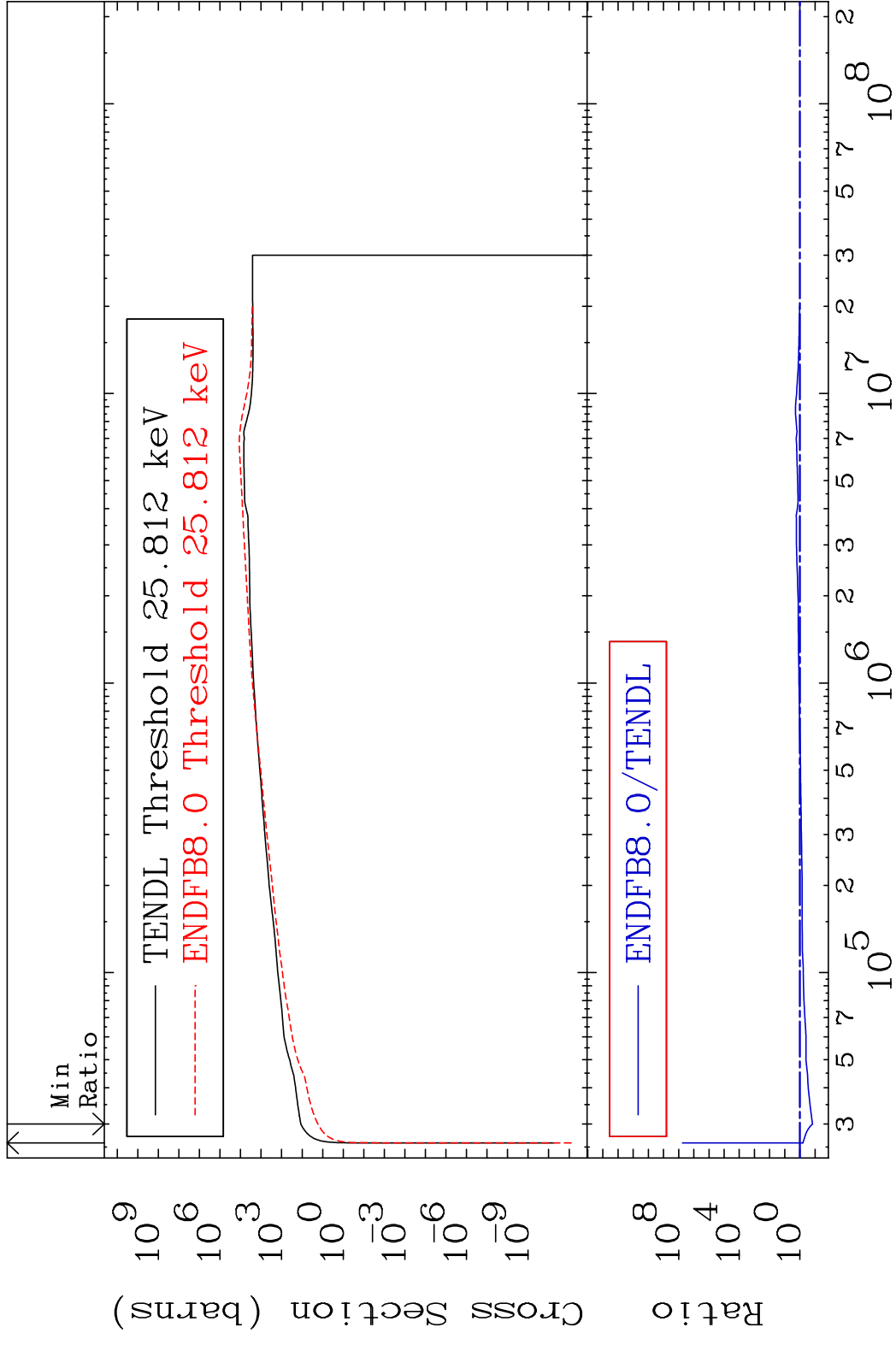


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Incident Energy (eV)

66-Dy-161

MAT 6640 Dpa inelastic (mt51-91) 66-Dy-161
 Cross Section -85.40 To 9999. %



MAT 6640 Dpa disappearance (mt102 -120) 66-Dy-161
 Cross Section -76.66 To 2519. %

