

Program Complot
(Version 2021-1)

by

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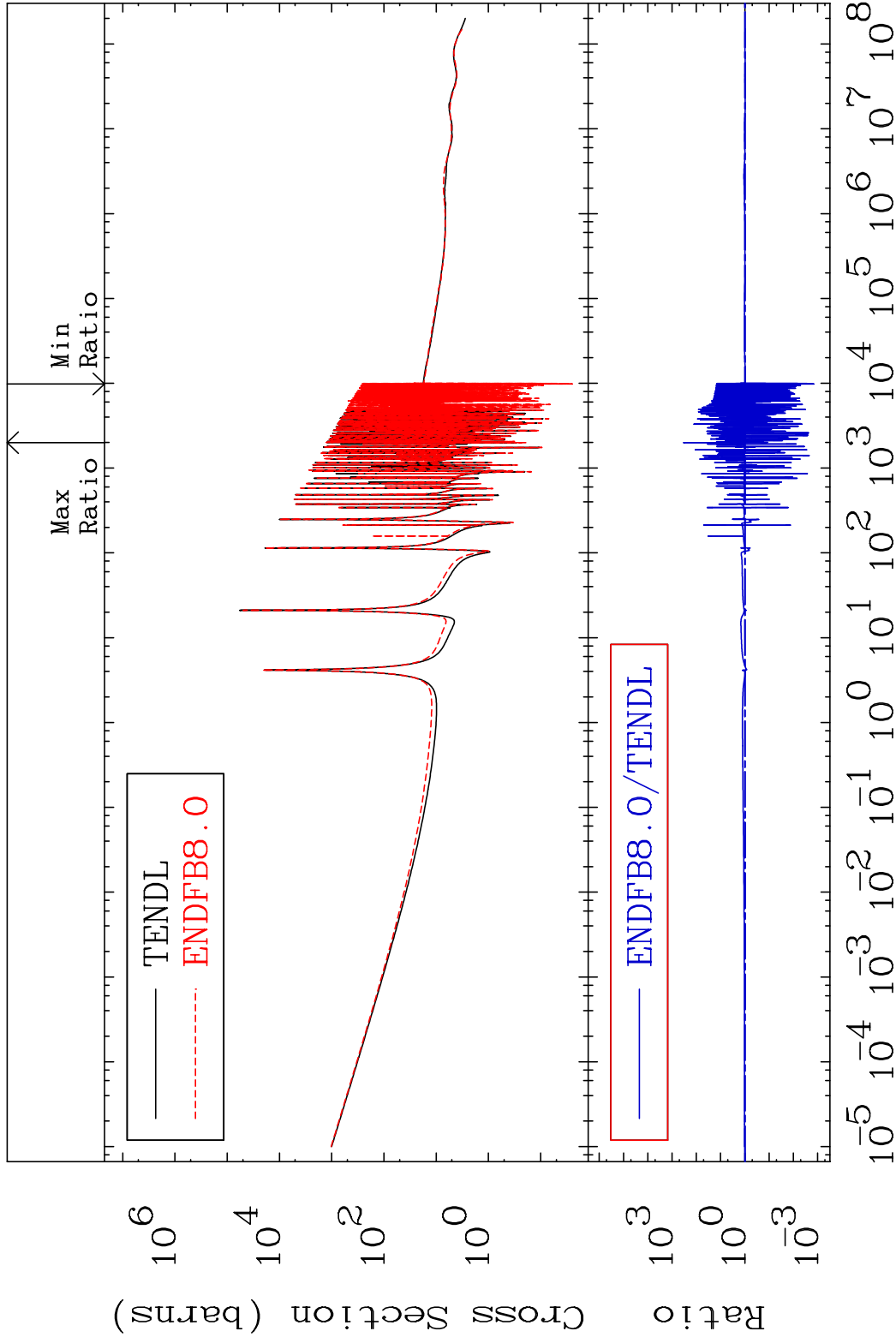
Press Mouse Button to Start

MAT 7431

Total

74-W -182

Cross Section -99.86 To 9999. %



1

Incident Energy (eV)

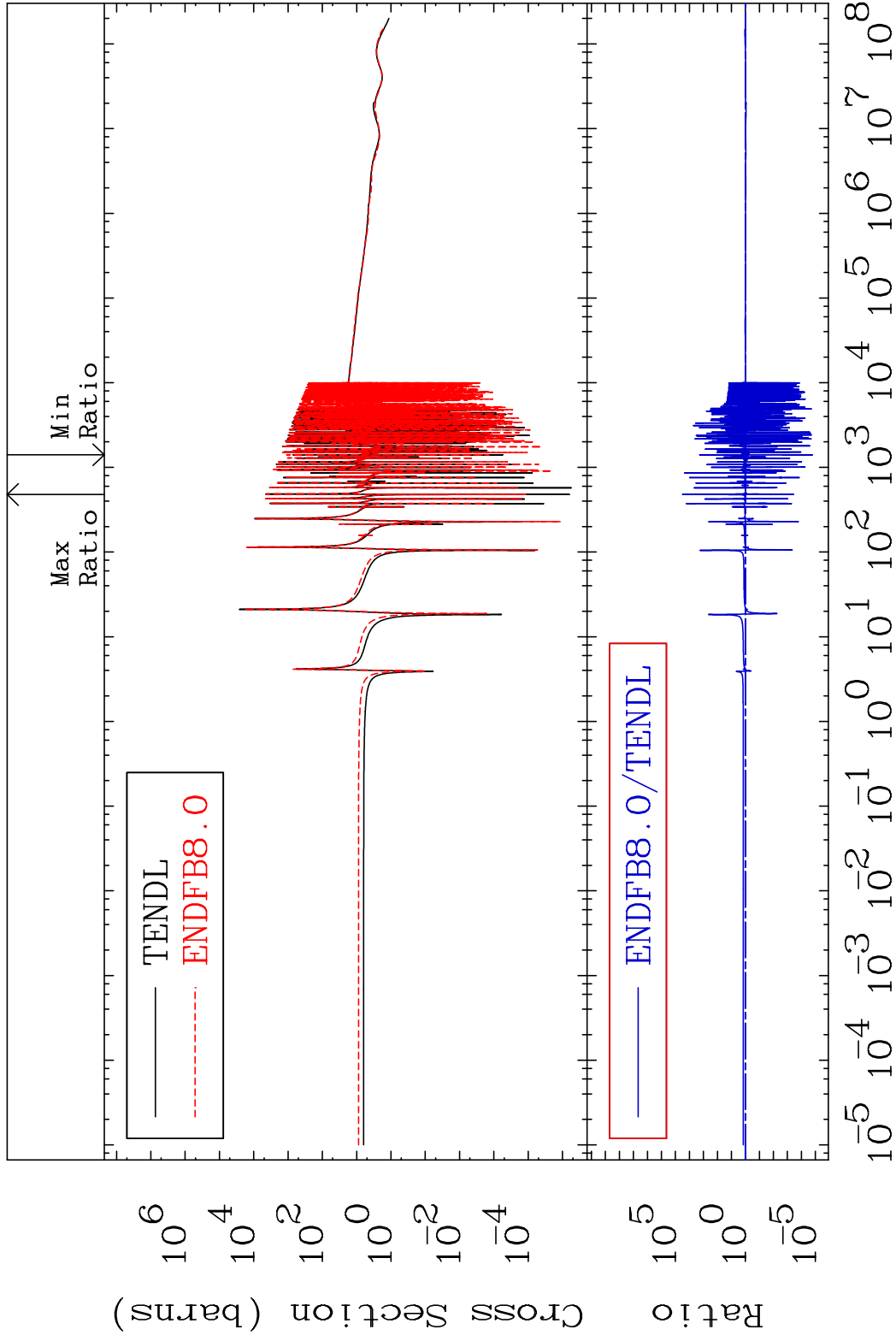
74-W -182

MAT 7431

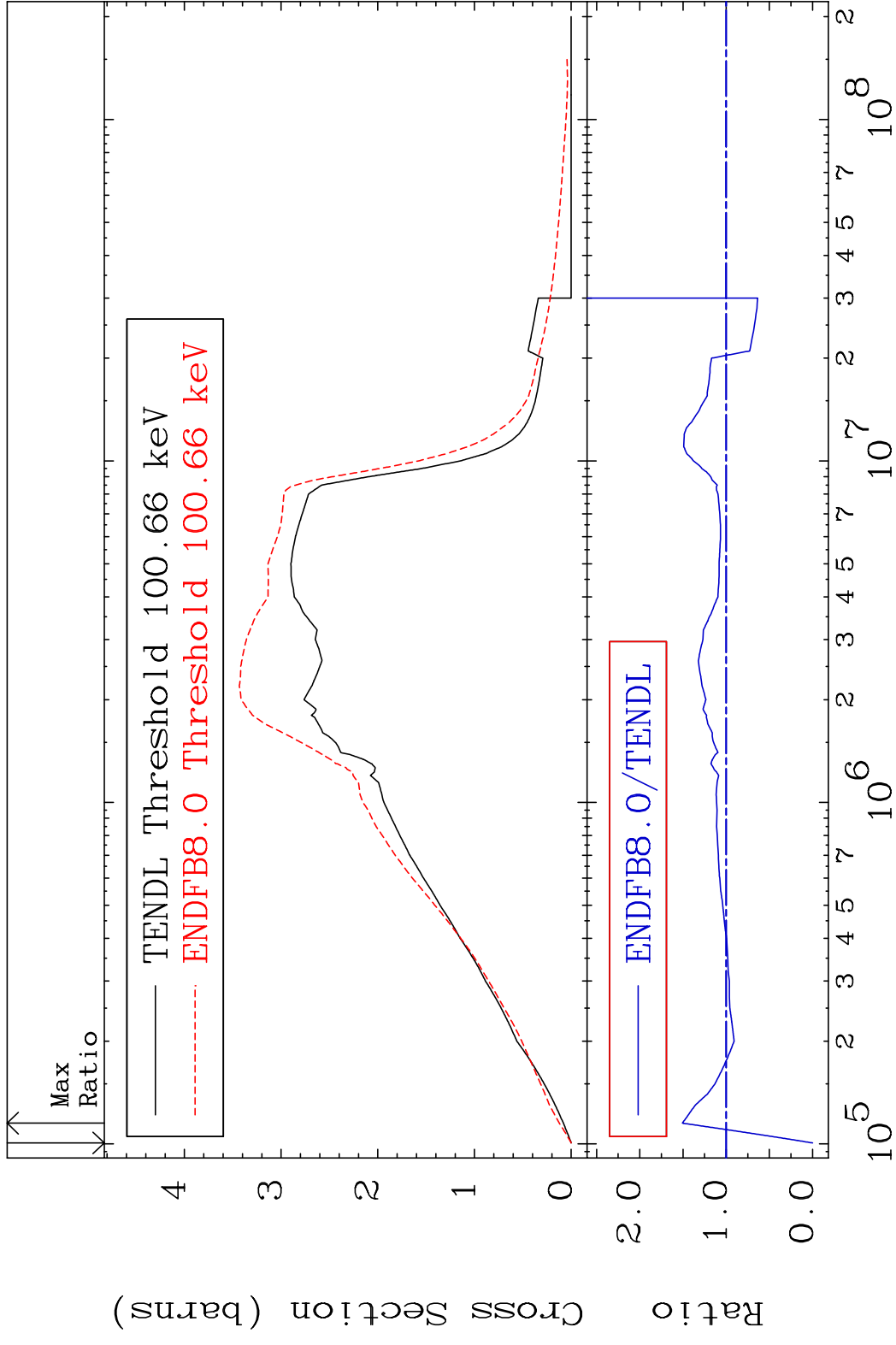
Elastic

74-W -182

Cross Section -100.0 To 9999. %



MAT 7431 Inelastic 74-W -182
 Cross Section -100.0 To 50.72 %



3 Incident Energy (eV) 74-W -182

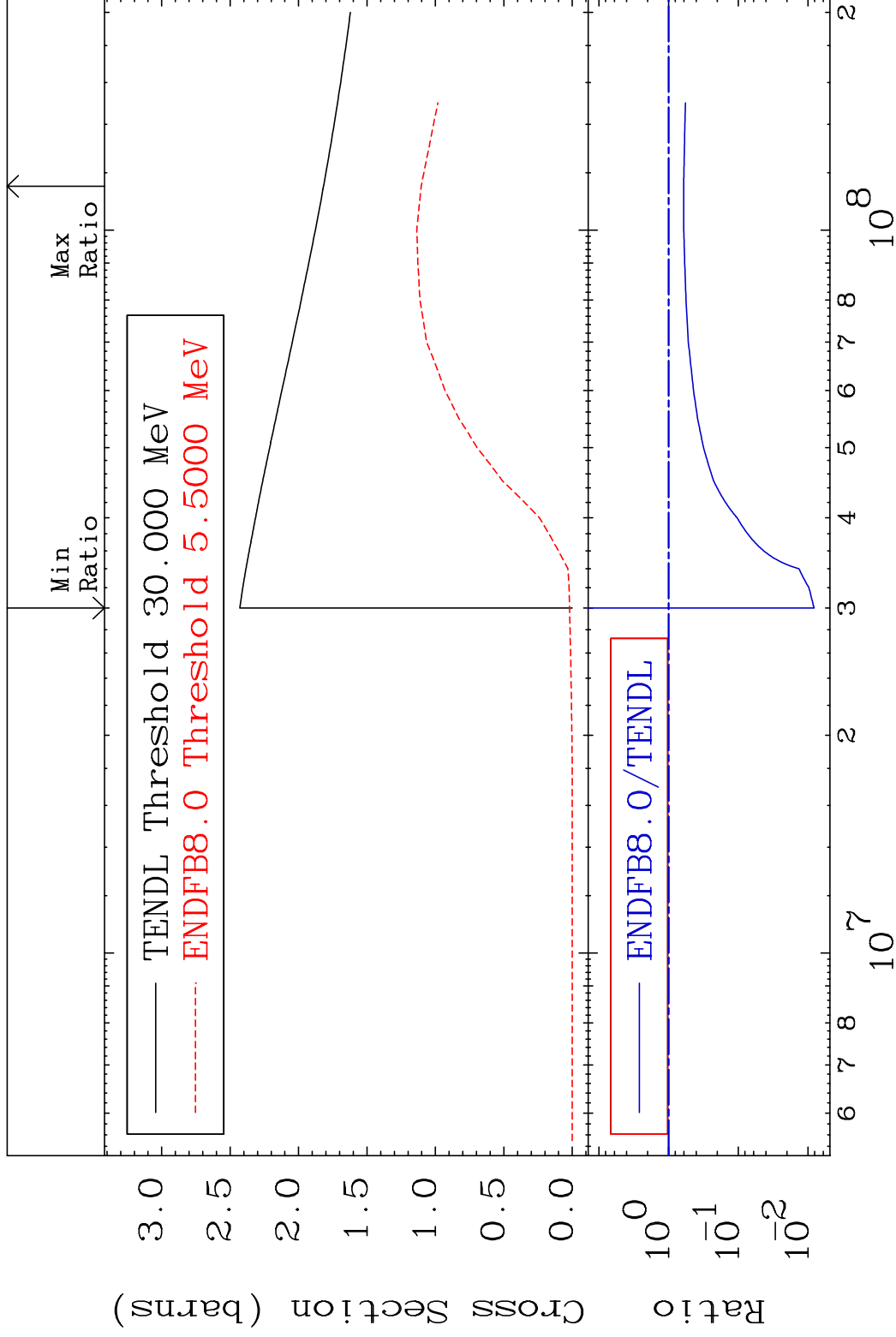
MAT 7431

(n, remainder)

74-W -182

Cross Section

-99.19 To -39.29%



4

Incident Energy (eV)

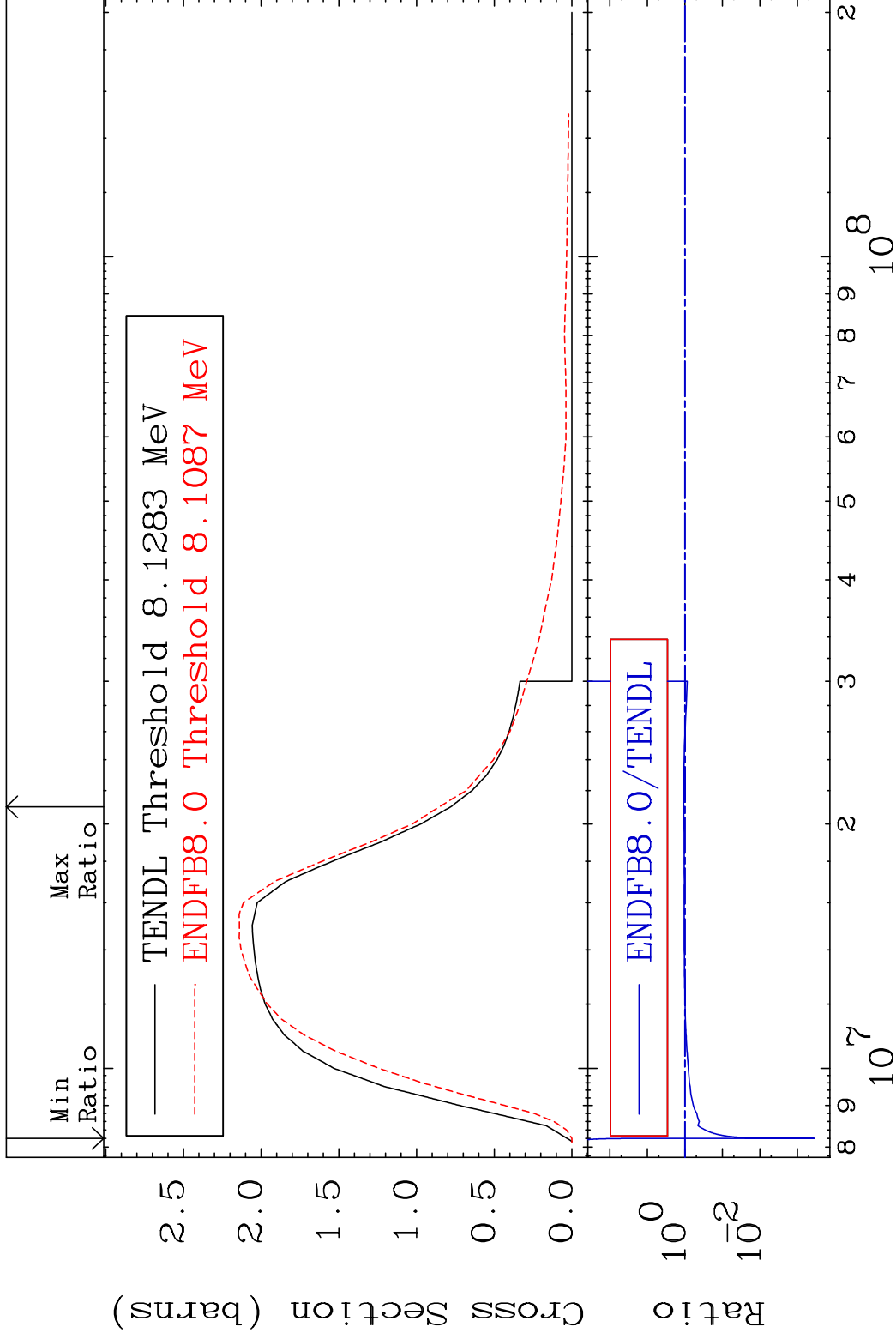
74-W -182

MAT 7431

(n,2n)

74-W -182

Cross Section -99.96 To 9.443 %



5

Incident Energy (eV)

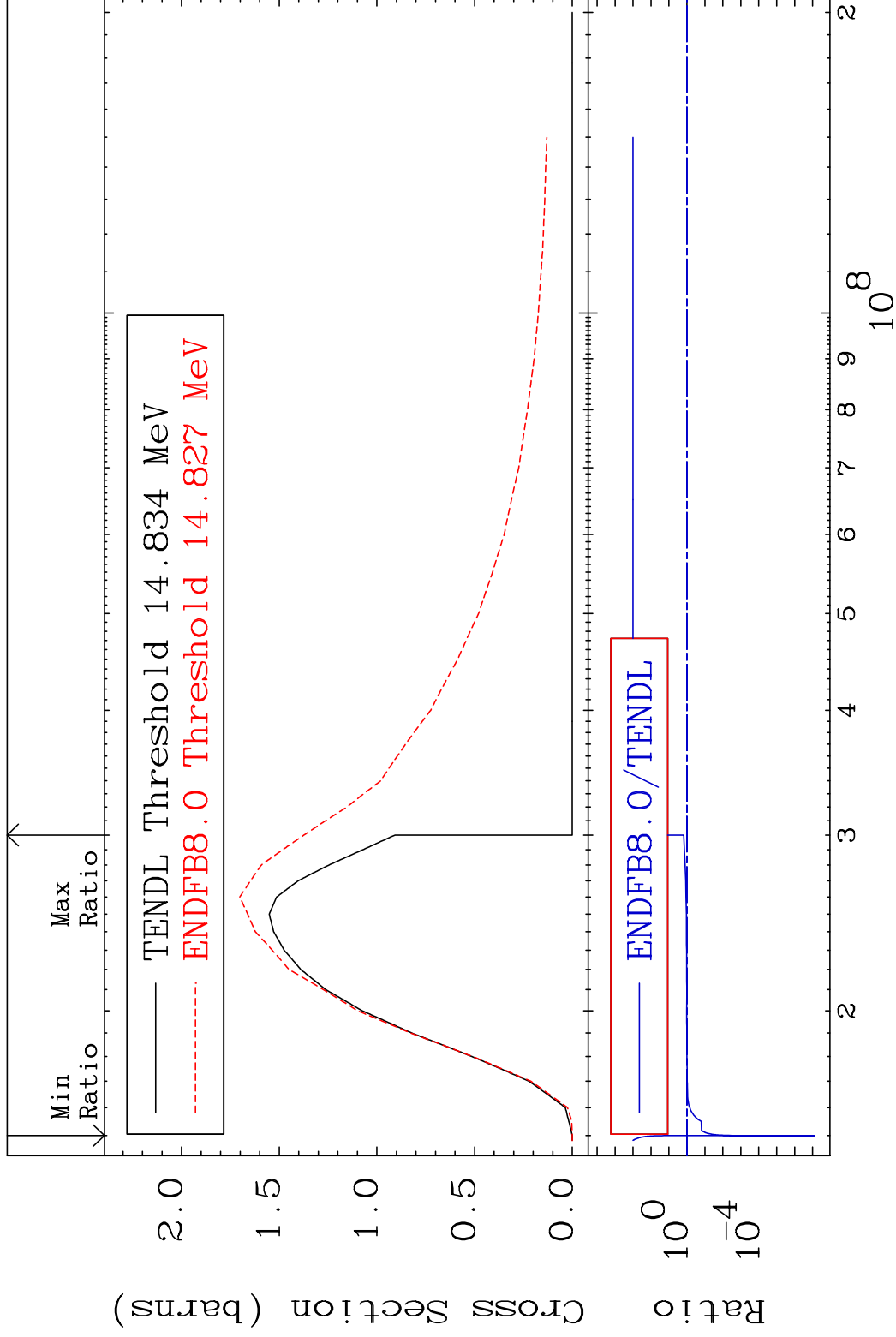
74-W -182

MAT 7431

(n,3n)

74-W -182

Cross Section -100.0 To 51.35 %



6

Incident Energy (eV)

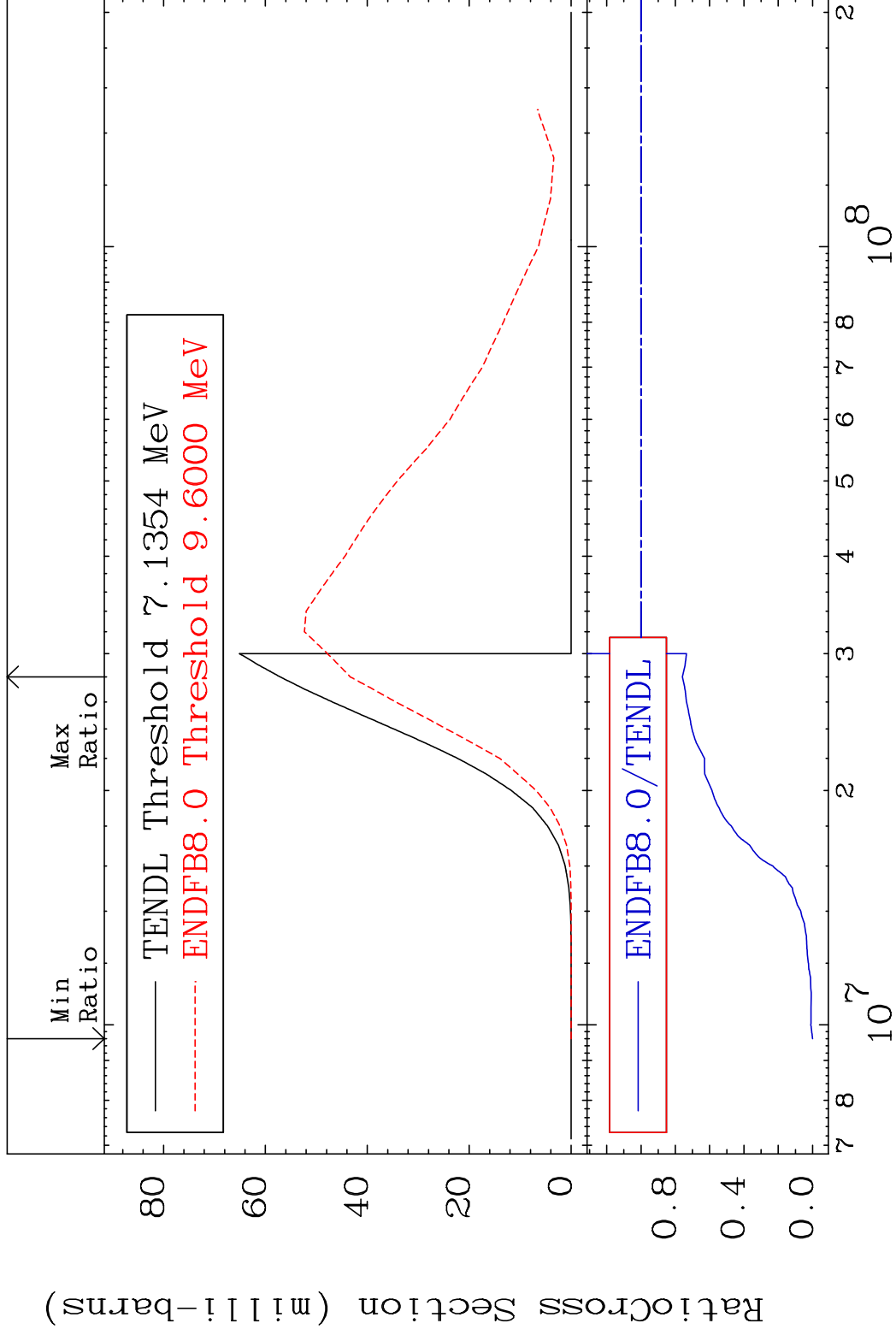
74-W -182

MAT 7431

(n, n') p

74-W -182

Cross Section -100.0 To -24.10%



74-W -182

Incident Energy (eV)

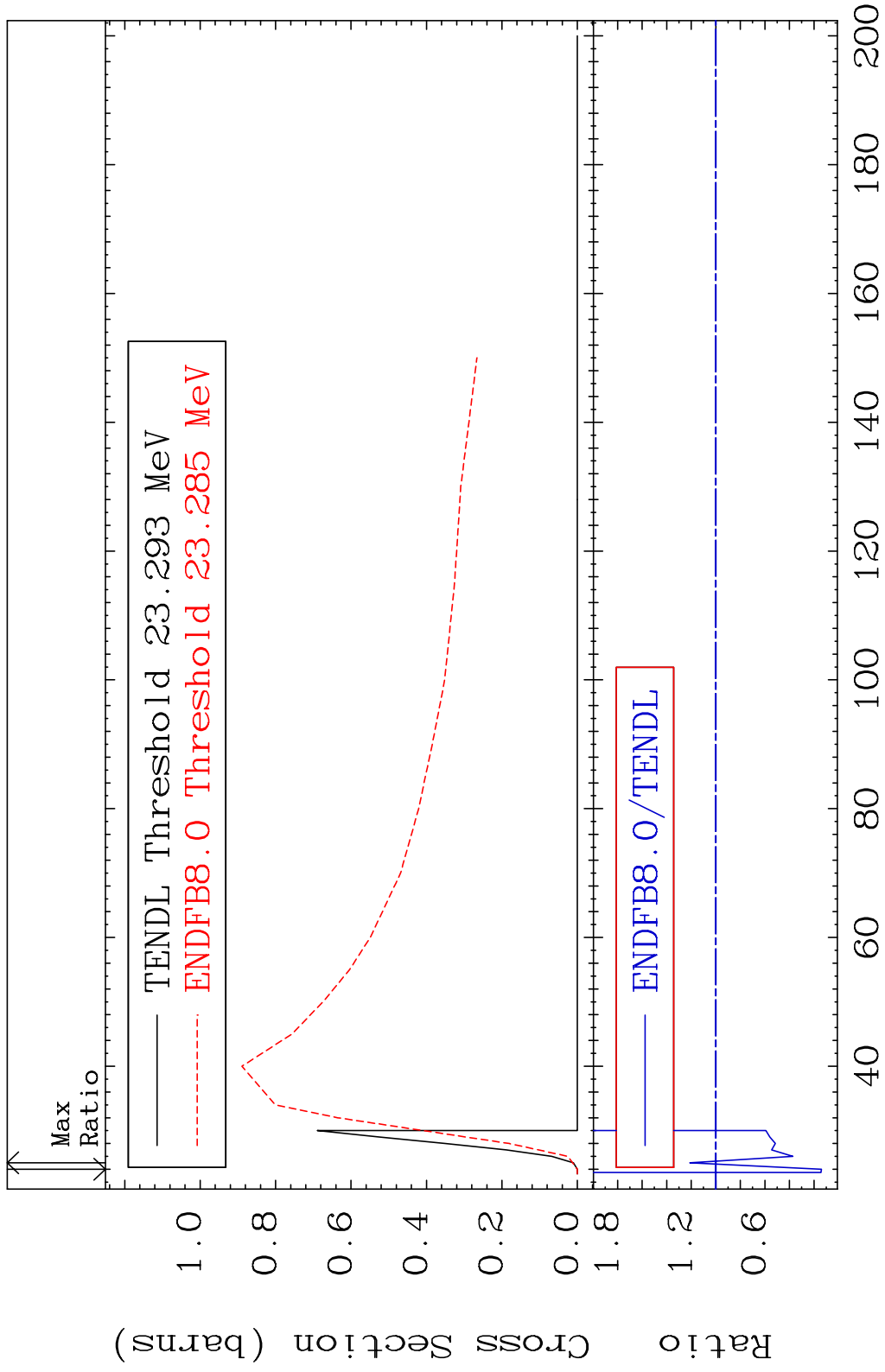
7

MAT 7431

(n,4n)

74-W -182

Cross Section -86.05 To 21.16 %



8

Incident Energy (MeV)

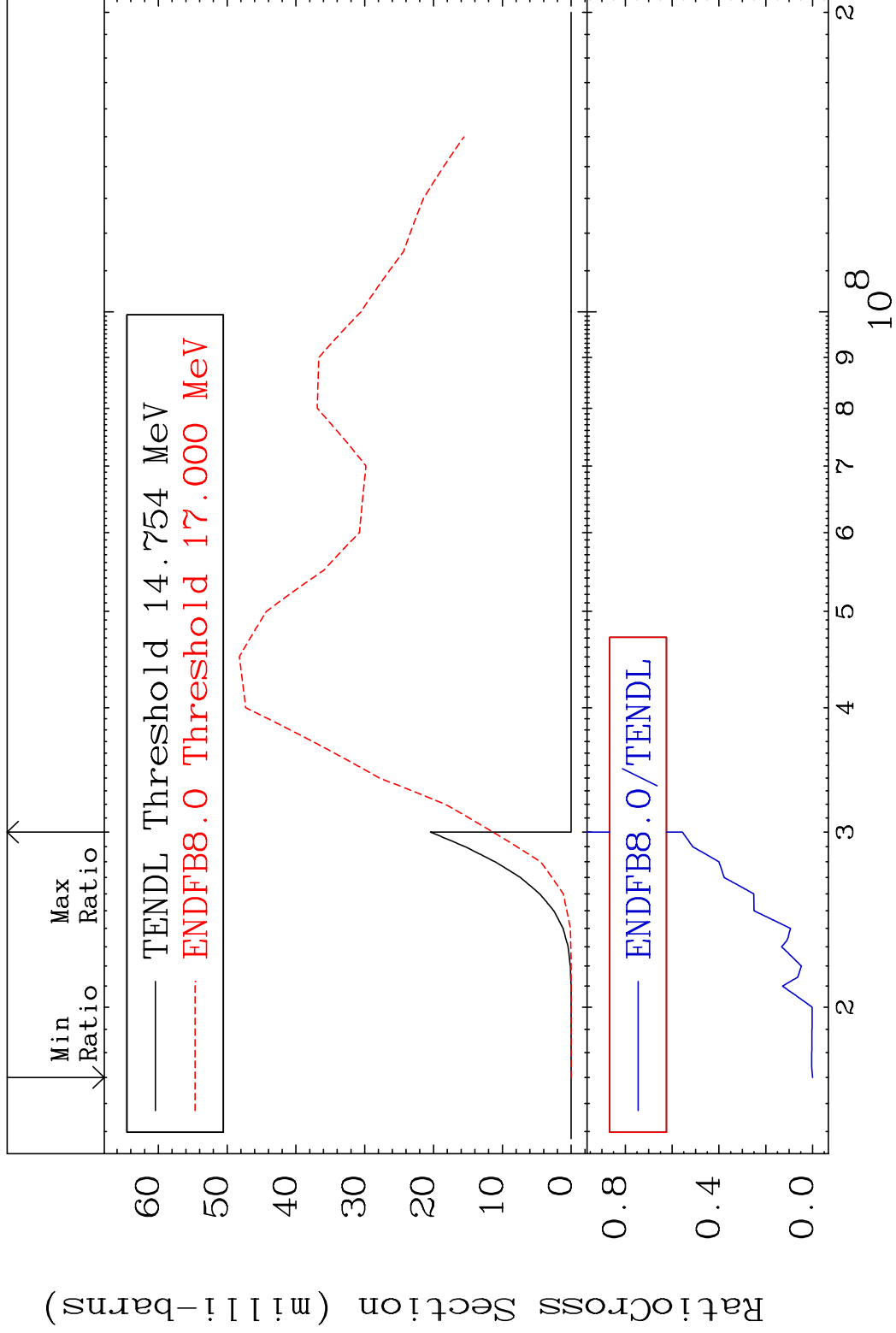
74-W -182

MAT 7431

(n,2n) p

74-W -182

Cross Section -100.0 To -44.37%

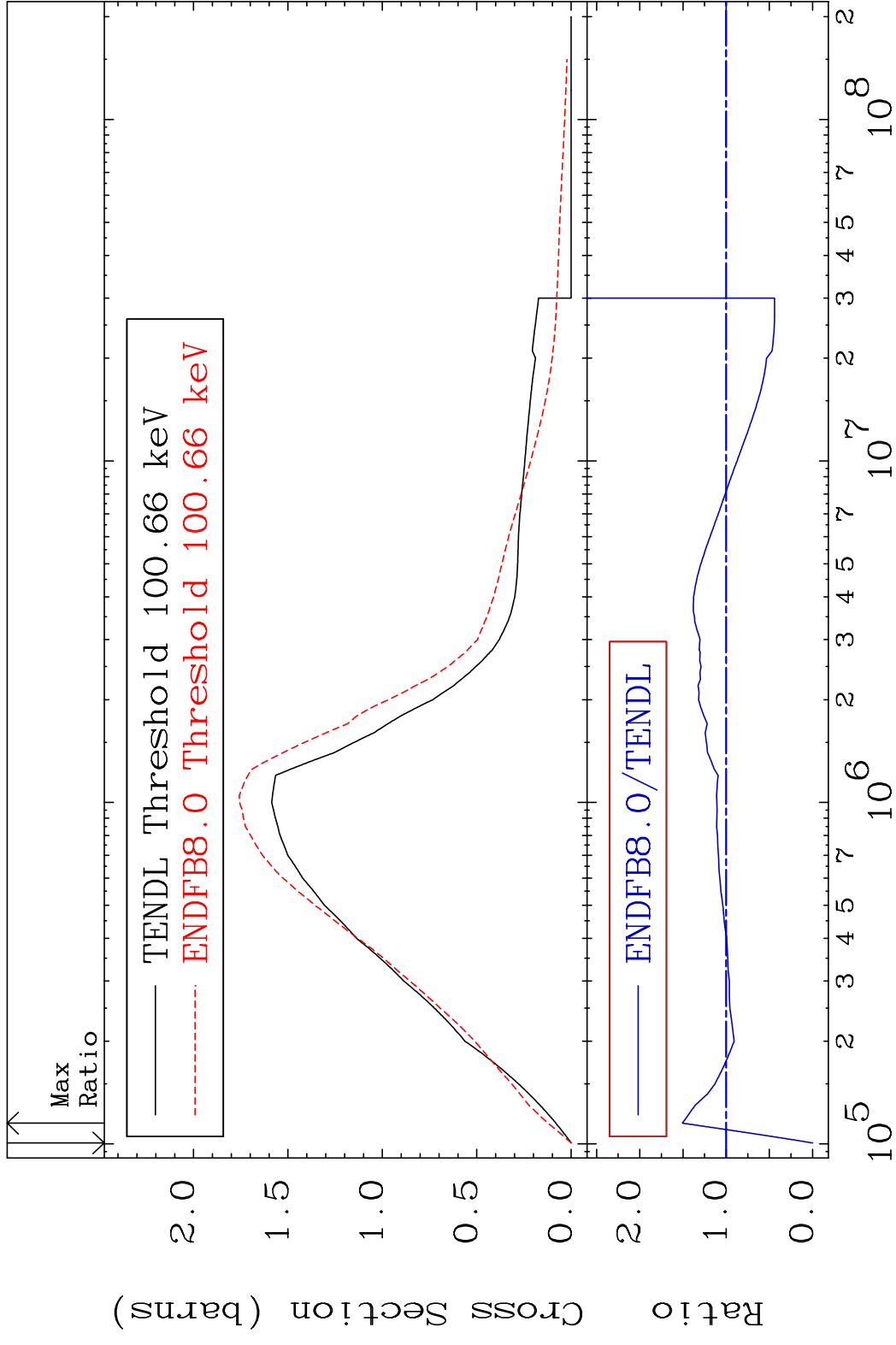


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Incident Energy (eV)

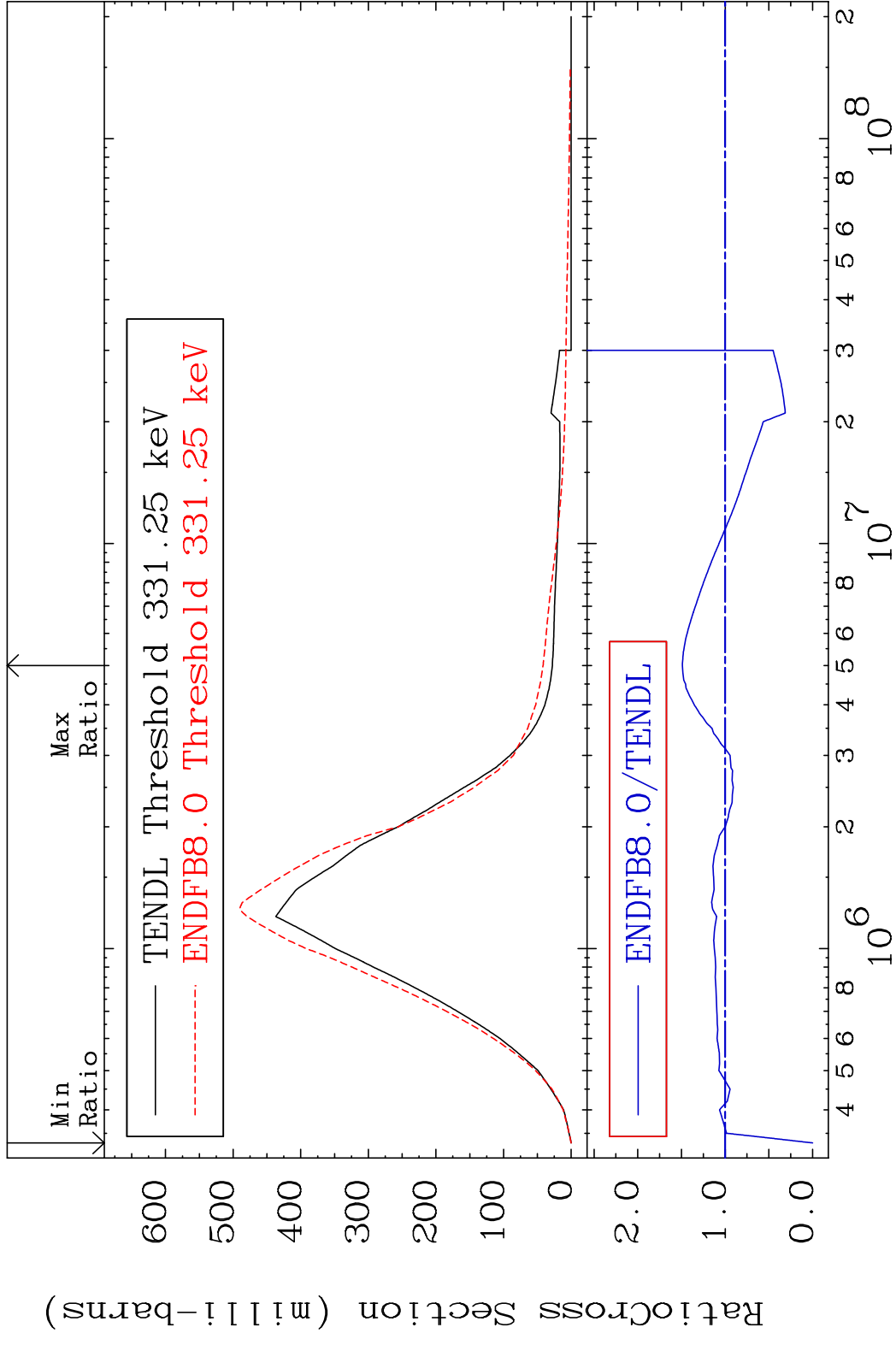
74-W -182

MAT 7431 MT= 51 (n,n') Level 74-W -182
 Cross Section -100.0 To 50.72 %

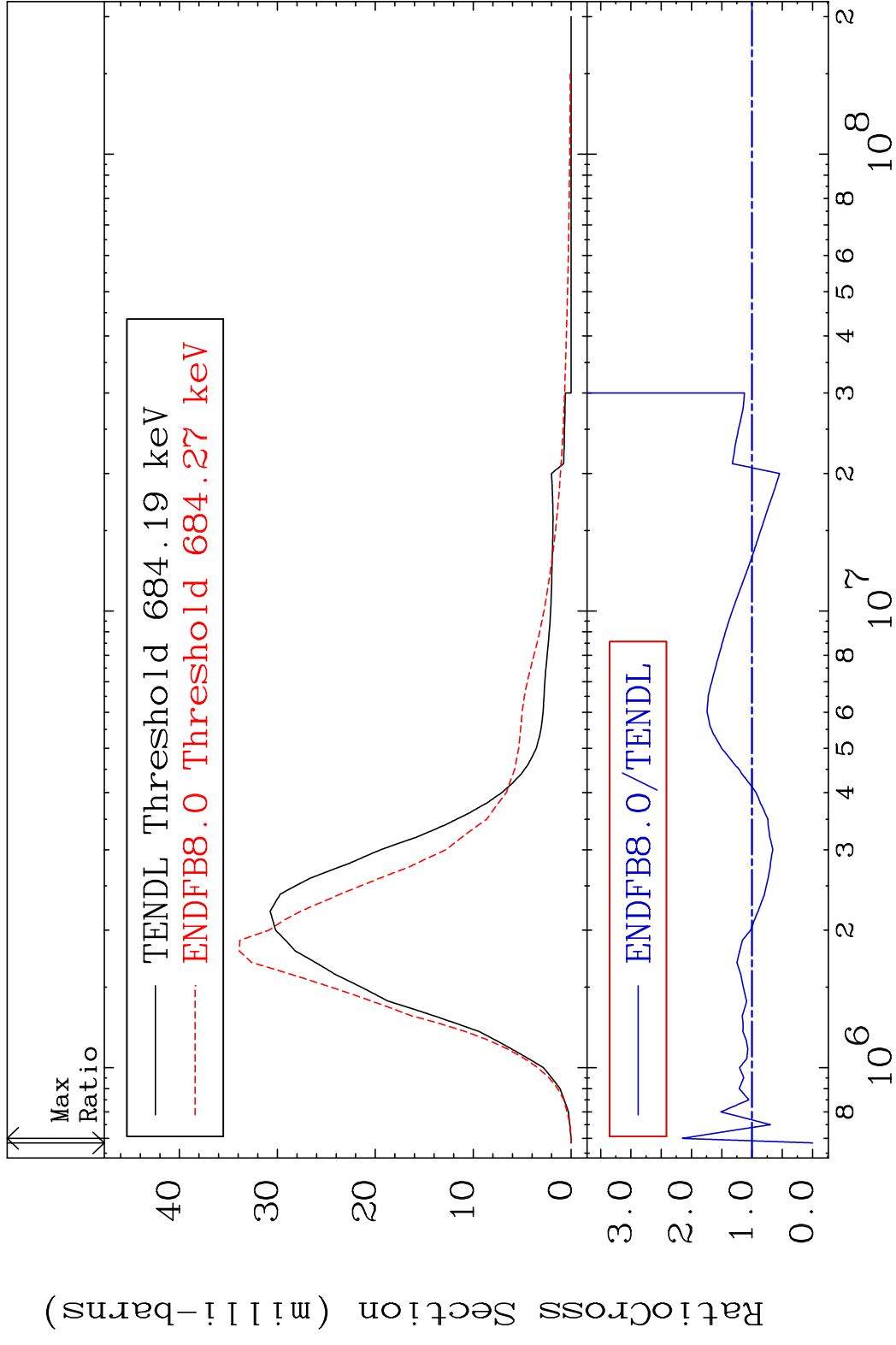


10 2 3 4 5 7 10⁶ 10⁷ 10⁸ 2
 10 Incident Energy (eV) 74-W -182

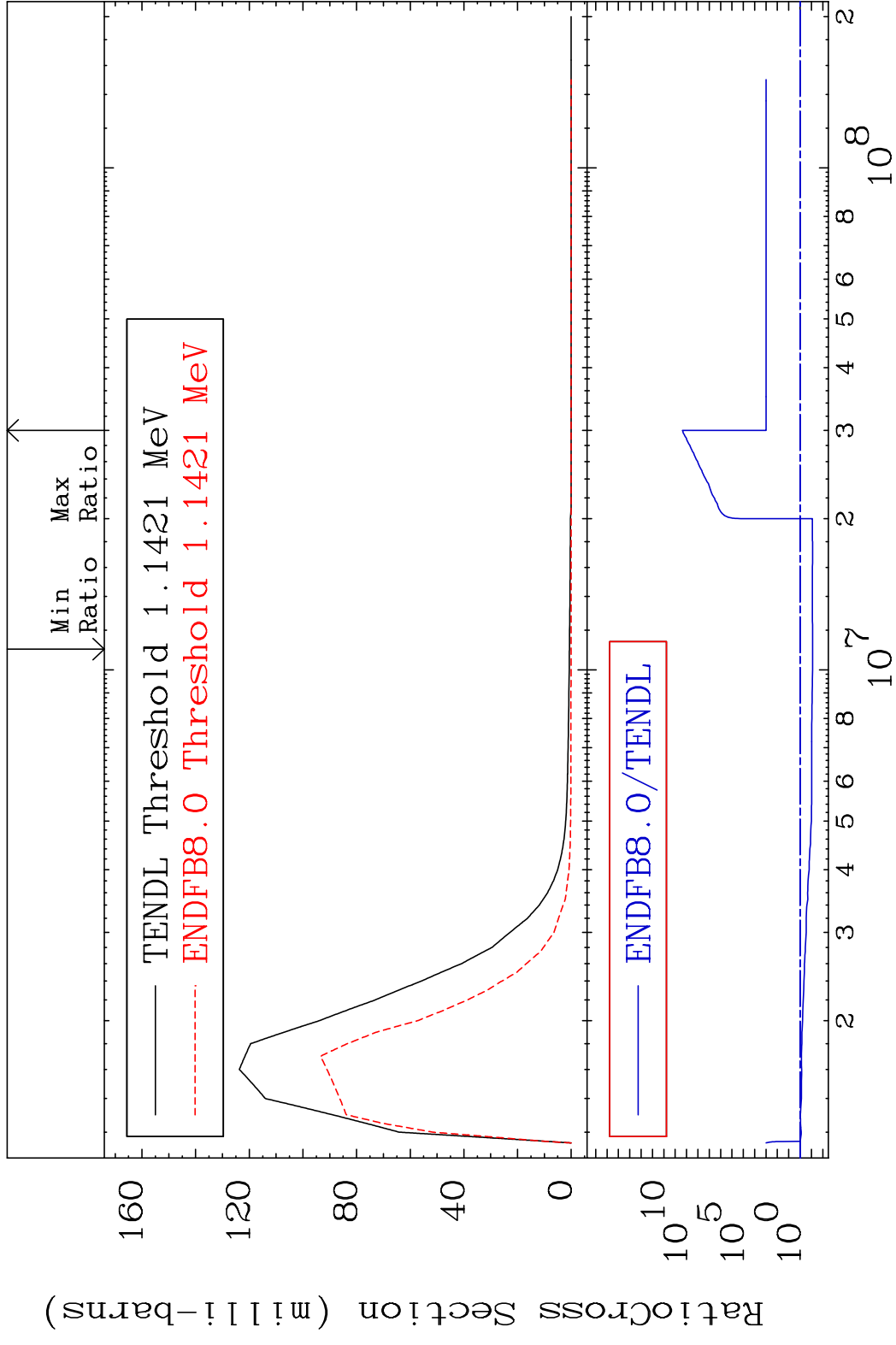
MAT 7431 MT= 52 (n, n') Level 74-W -182
 Cross Section -100.0 To 48.97 %



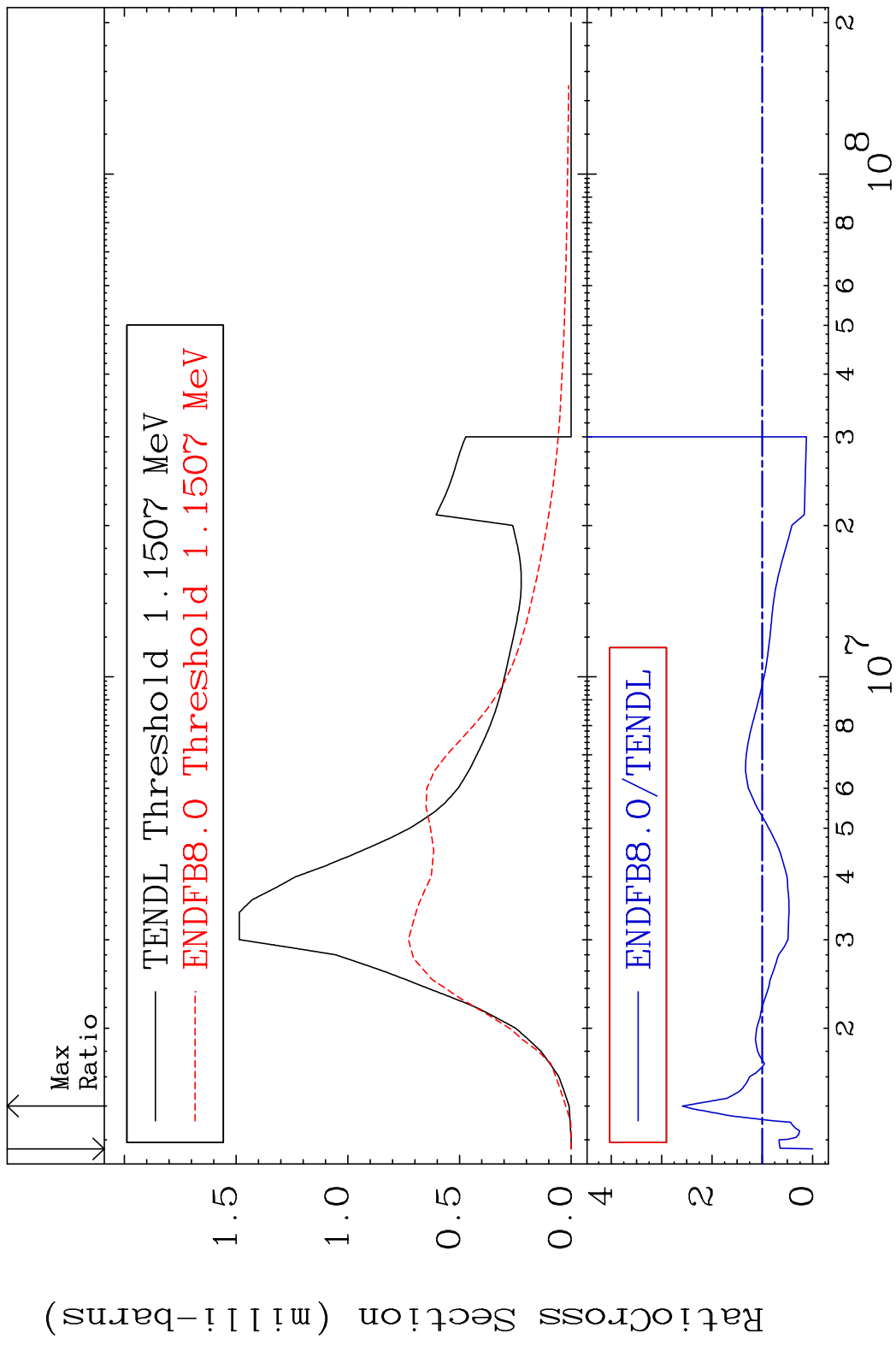
MAT 7431 MT= 53 (n,n') Level 74-W -182
 Cross Section -100.0 To 115.1 %



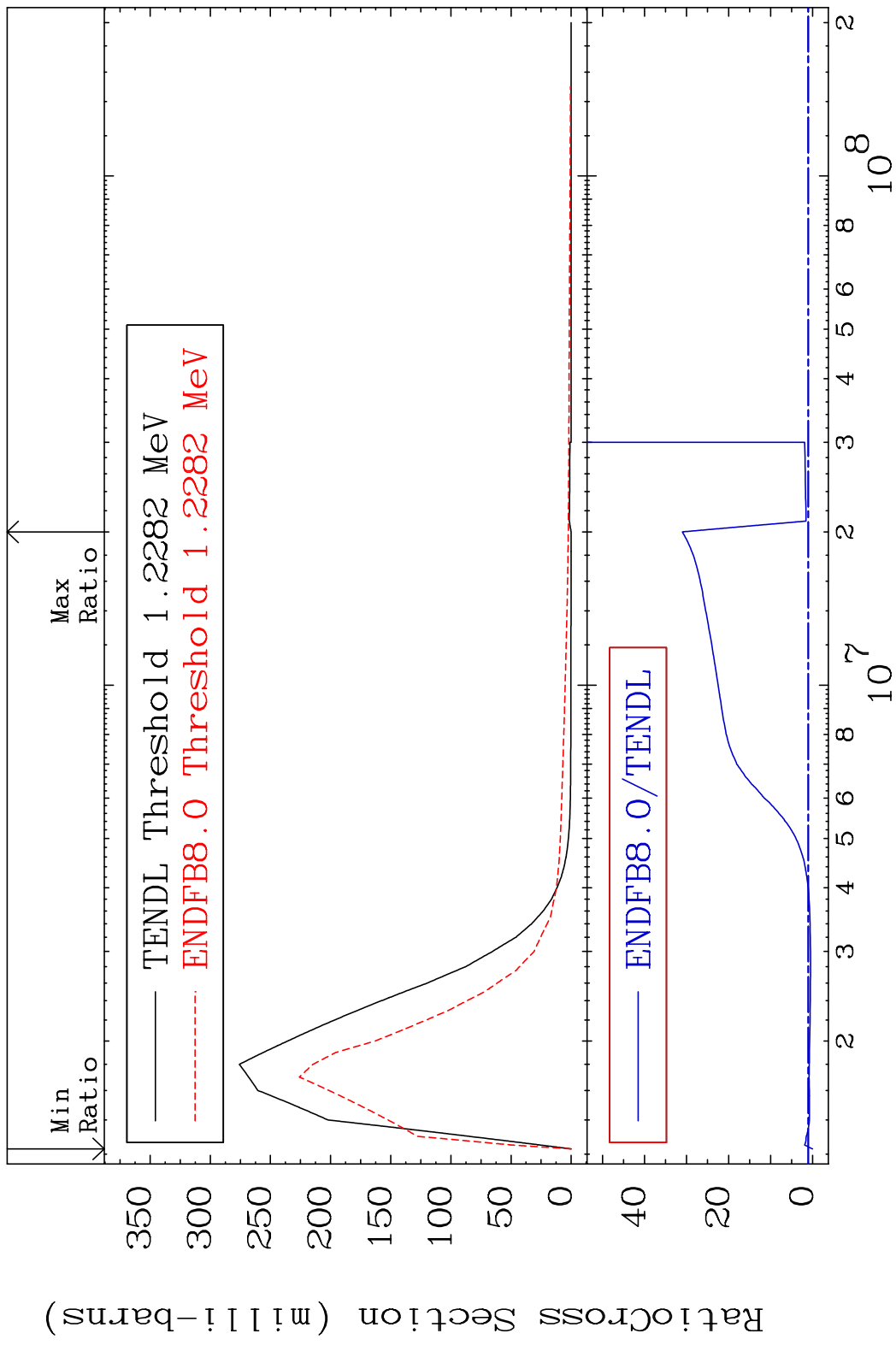
MAT 7431 MT= 54 (n, n') Level 74-W -182
 Cross Section -92.04 To 9999. %



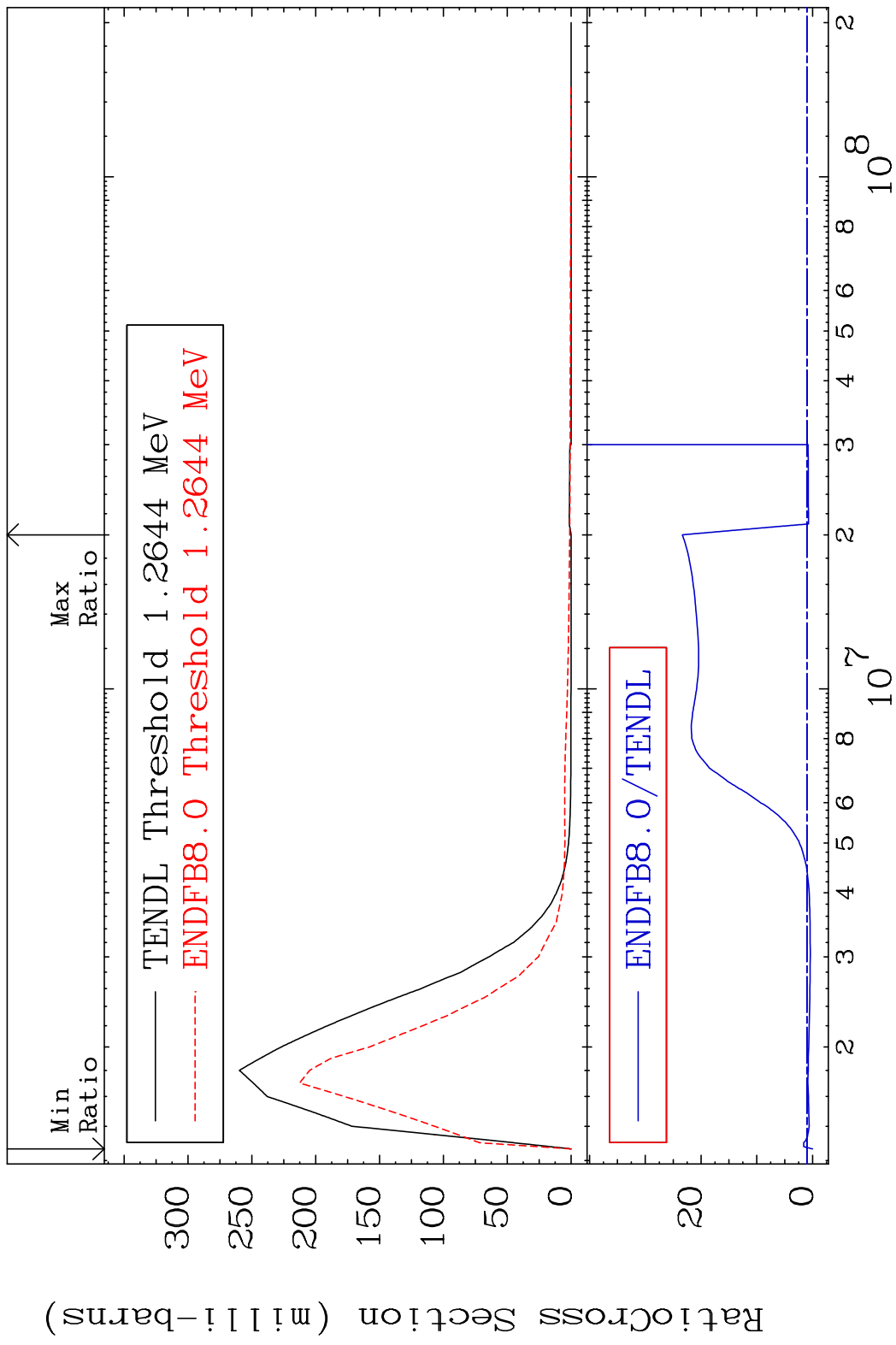
MAT 7431 MT= 55 (n,n') Level 74-W -182
 Cross Section -100.0 To 158.8 %



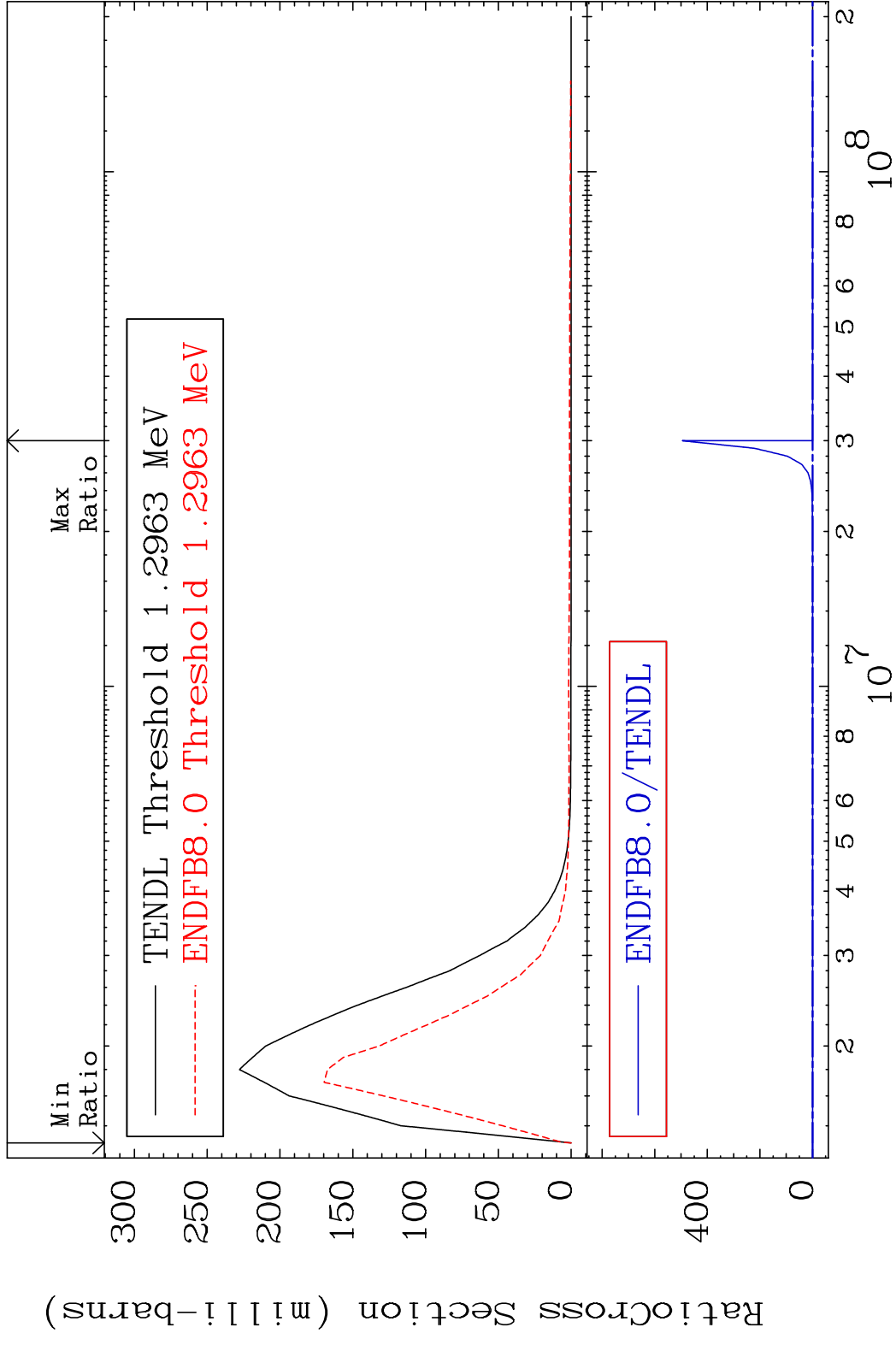
MAT 7431 MT= 56 (n, n') Level 74-W -182
 Cross Section -100.0 To 3001. %



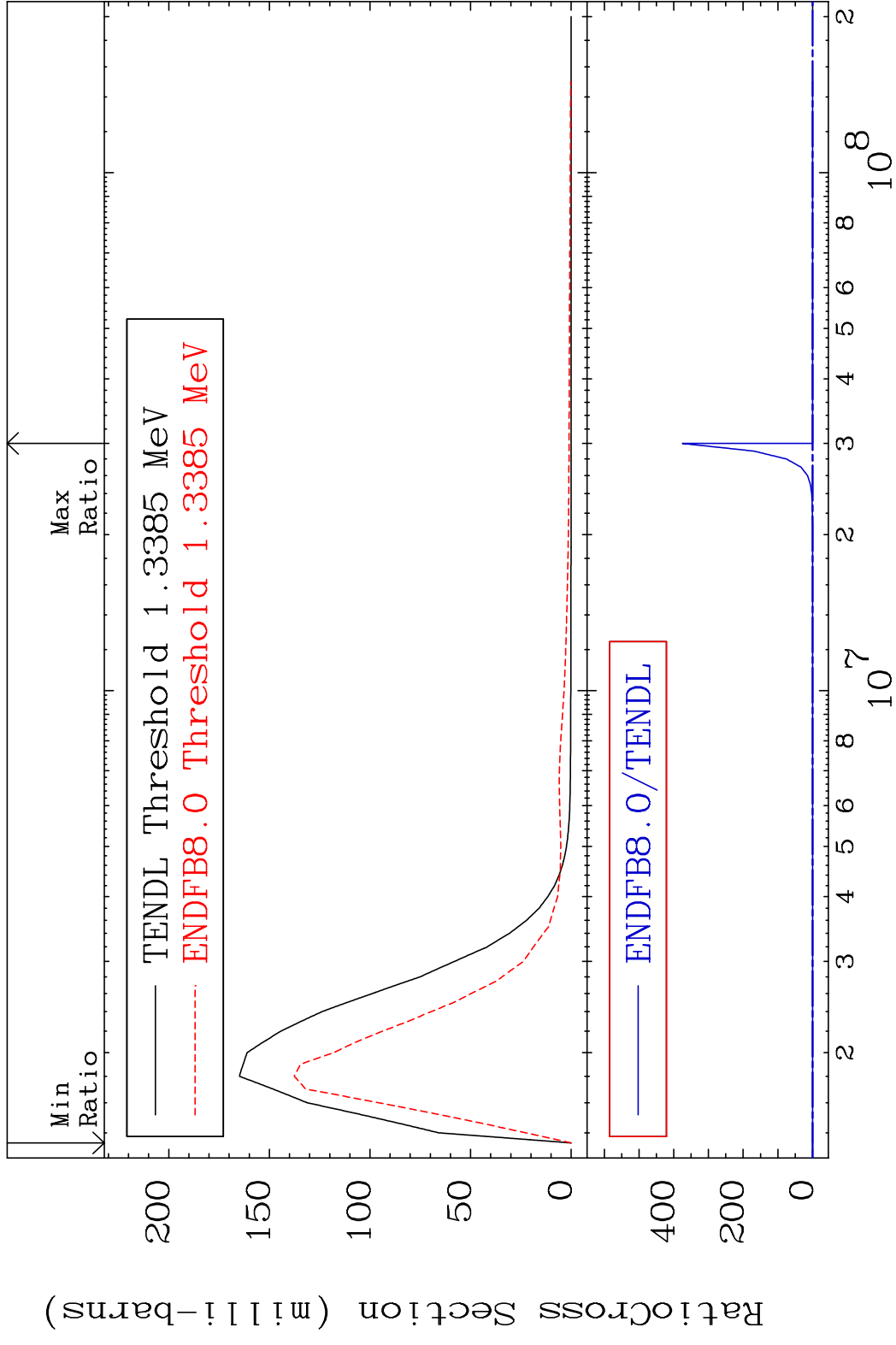
MAT 7431 MT= 57 (n, n') Level 74-W -182
 Cross Section -100.0 To 2235. %



MAT 7431 MT= 58 (n, n') Level 74-W -182
 Cross Section -100.0 To 9999. %

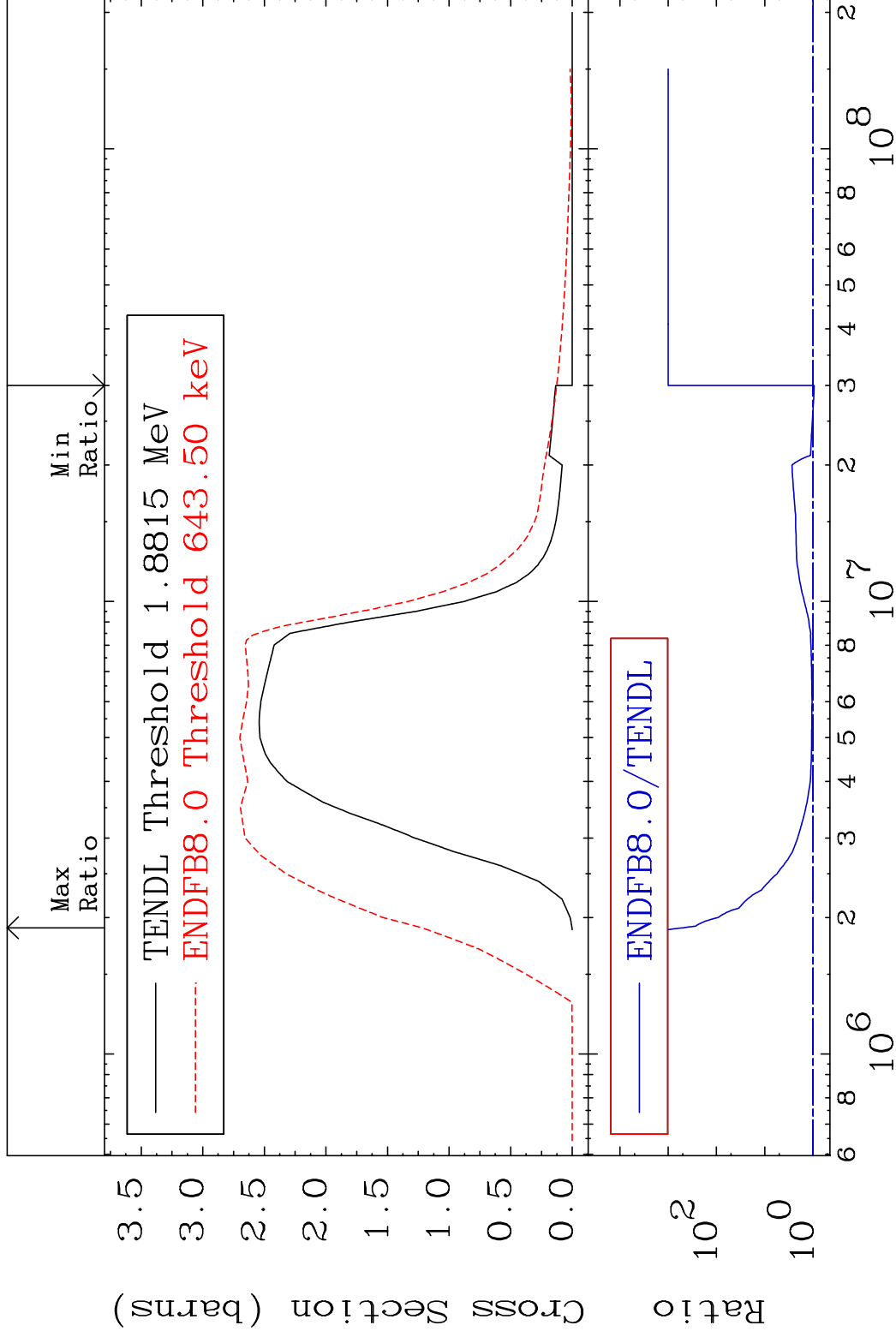


MAT 7431 MT= 59 (n, n') Level 74-W -182
 Cross Section -100.0 To 9999. %



MAT 7431

(n,n') Continuum 74-W -182
Cross Section -5.383 To 9999. %



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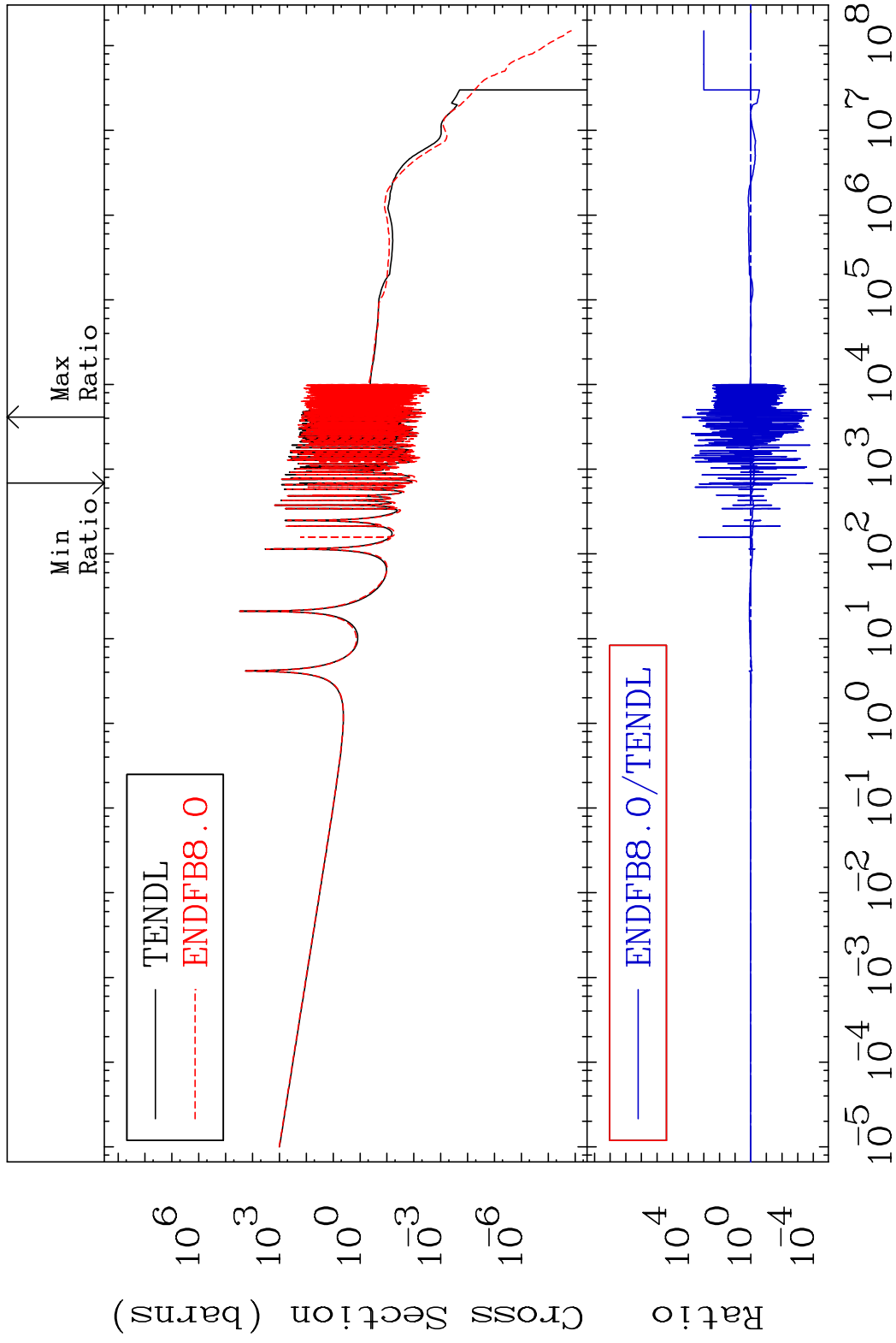
Incident Energy (eV)

74-W -182

MAT 7431

(n, γ)
Cross Section -99.99 To 9999. %

74-W -182



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Incident Energy (eV)

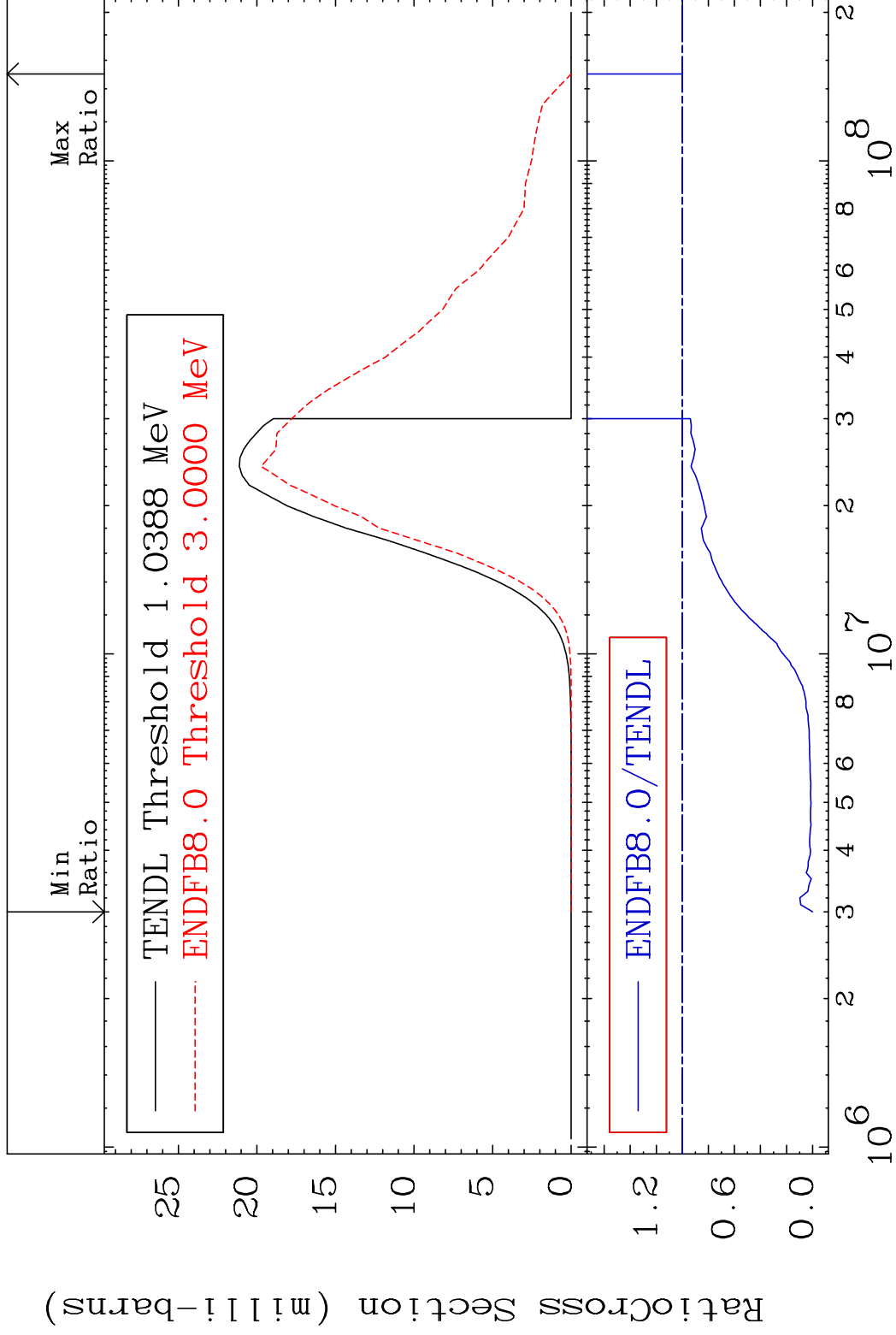
74-W -182

MAT 7431

(n,p)

74-W -182

Cross Section -100.0 To 0.000 %



21

Incident Energy (eV)

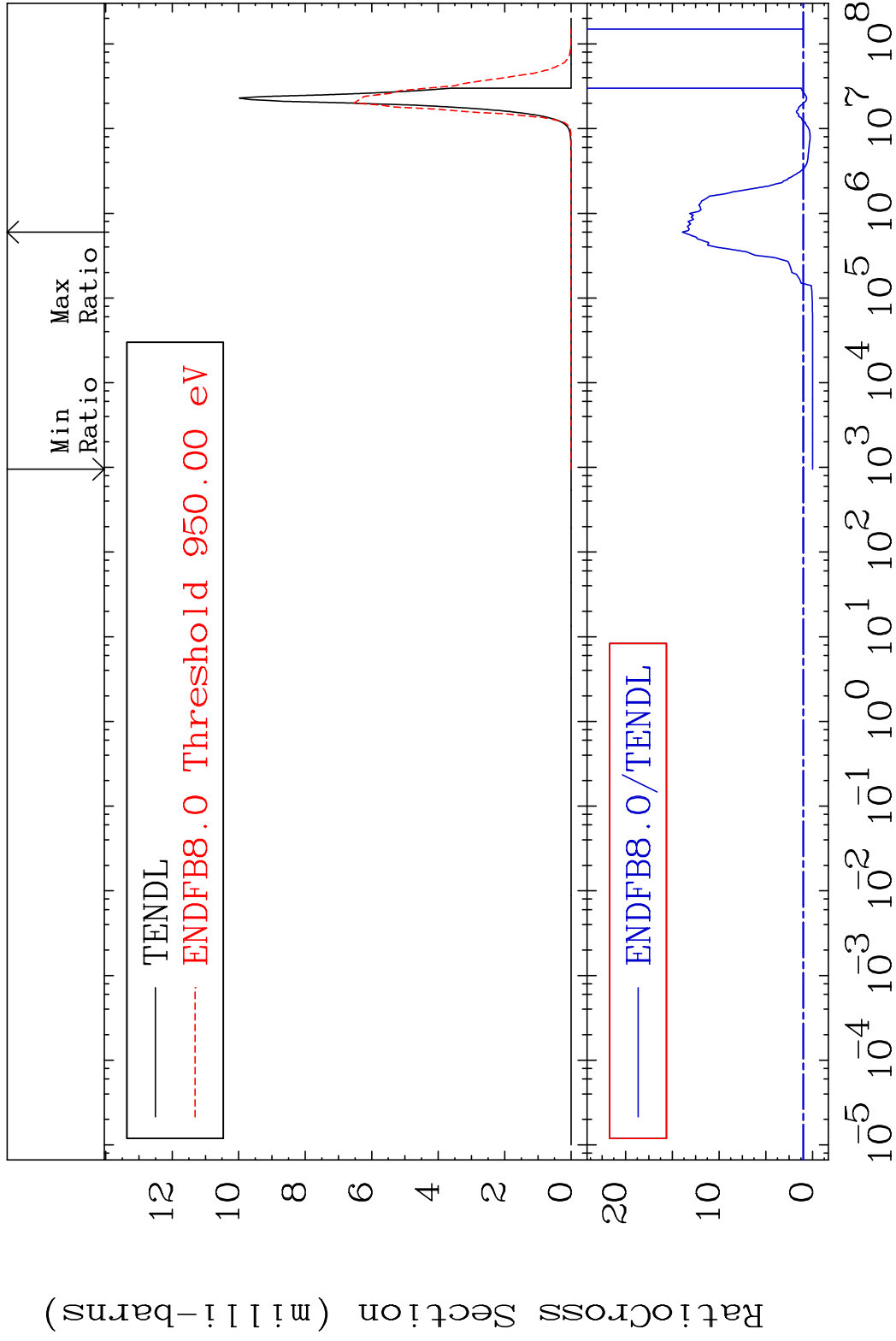
74-W -182

MAT 7431

(n, α)

74-W -182

Cross Section -100.0 To 1292. %



22

Incident Energy (eV)

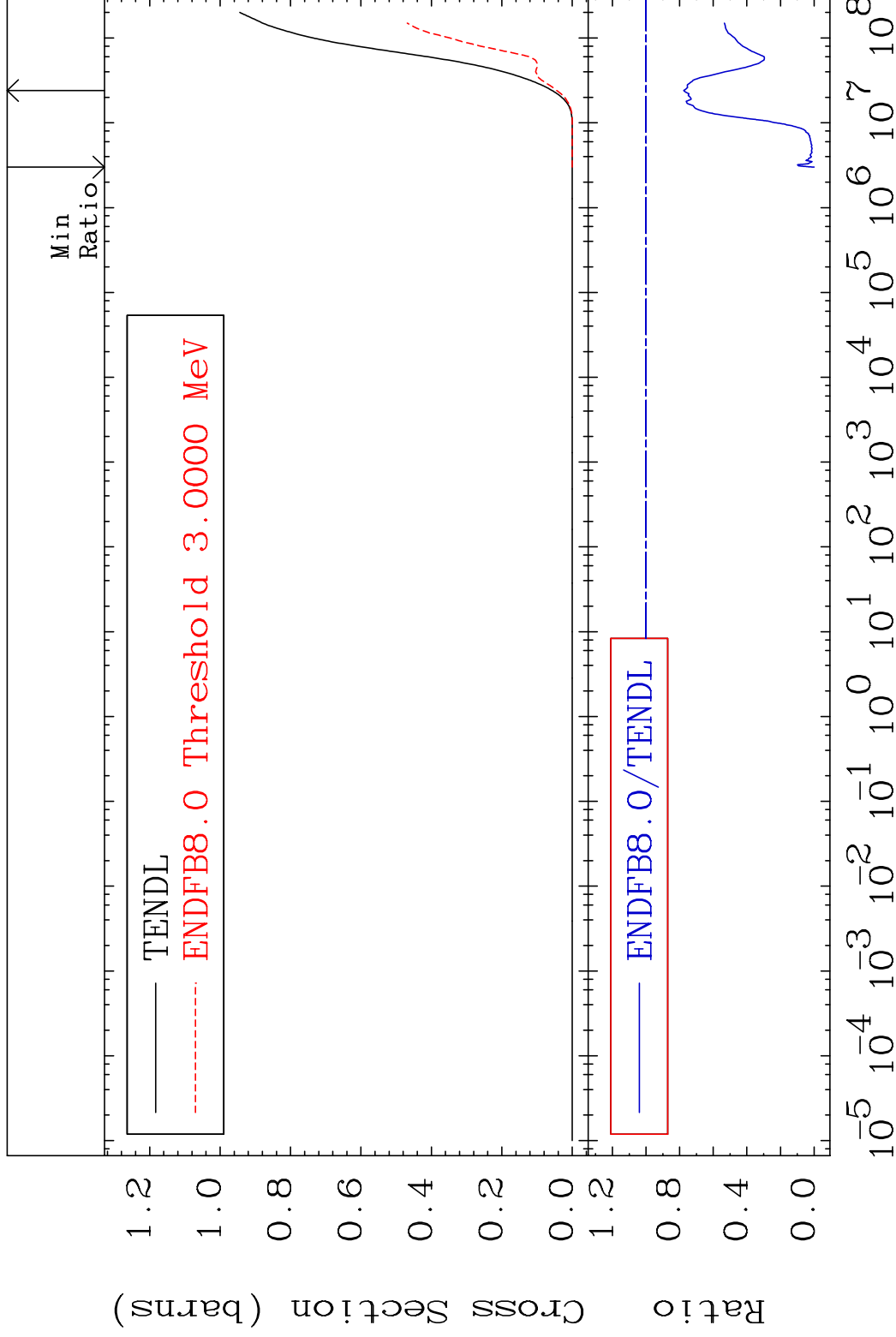
74-W -182

MAT 7431

Hydrogen Production

74-W -182

Cross Section -100.0 To -22.40%



23

Incident Energy (eV)

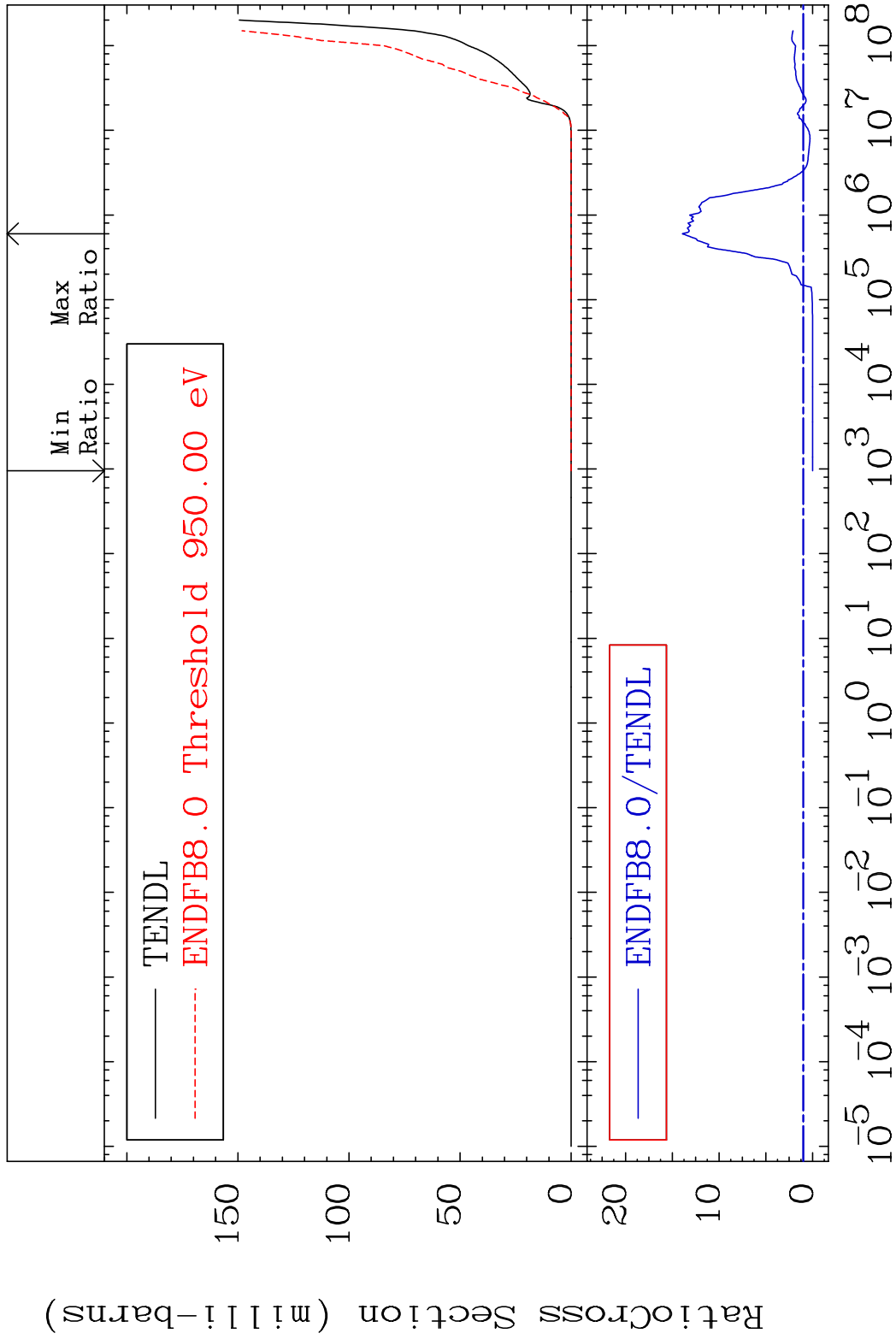
74-W -182

MAT 7431

He-4 Production

74-W -182

Cross Section -100.0 To 1292. %

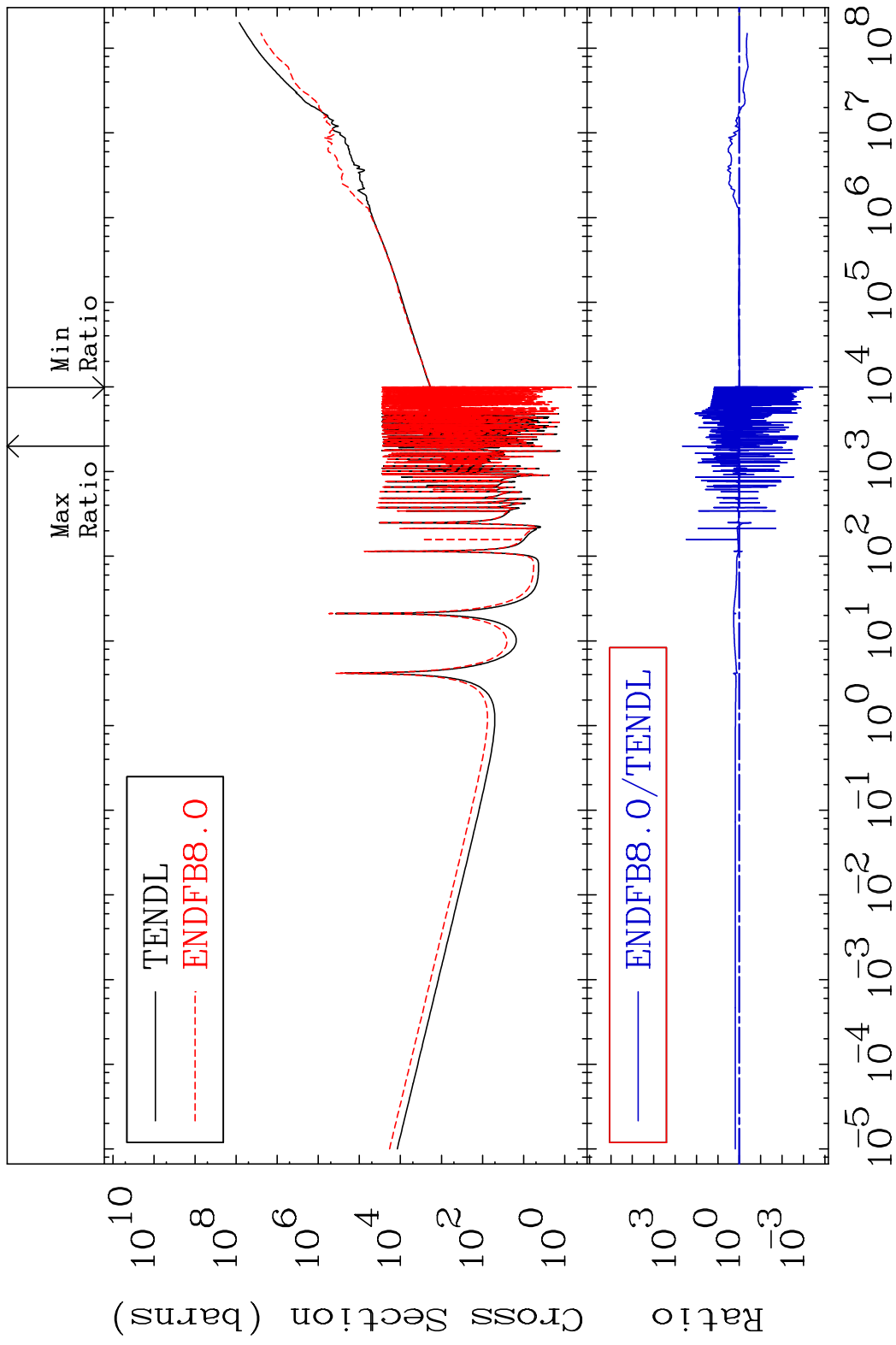


24

Incident Energy (eV)

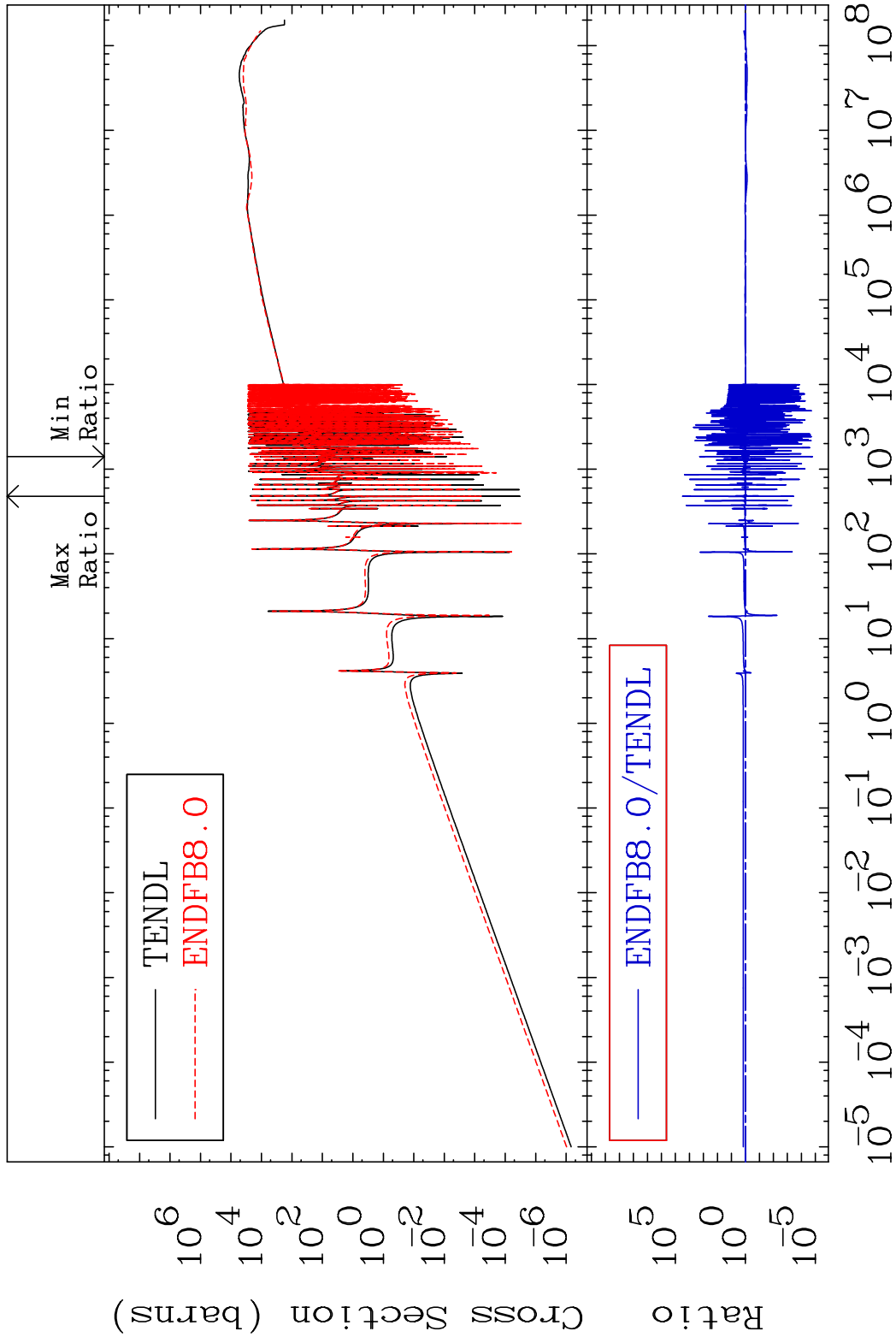
74-W -182

MAT 7431 Kerma total (eV-barns) 74-W -182
 Cross Section -99.96 To 9999. %

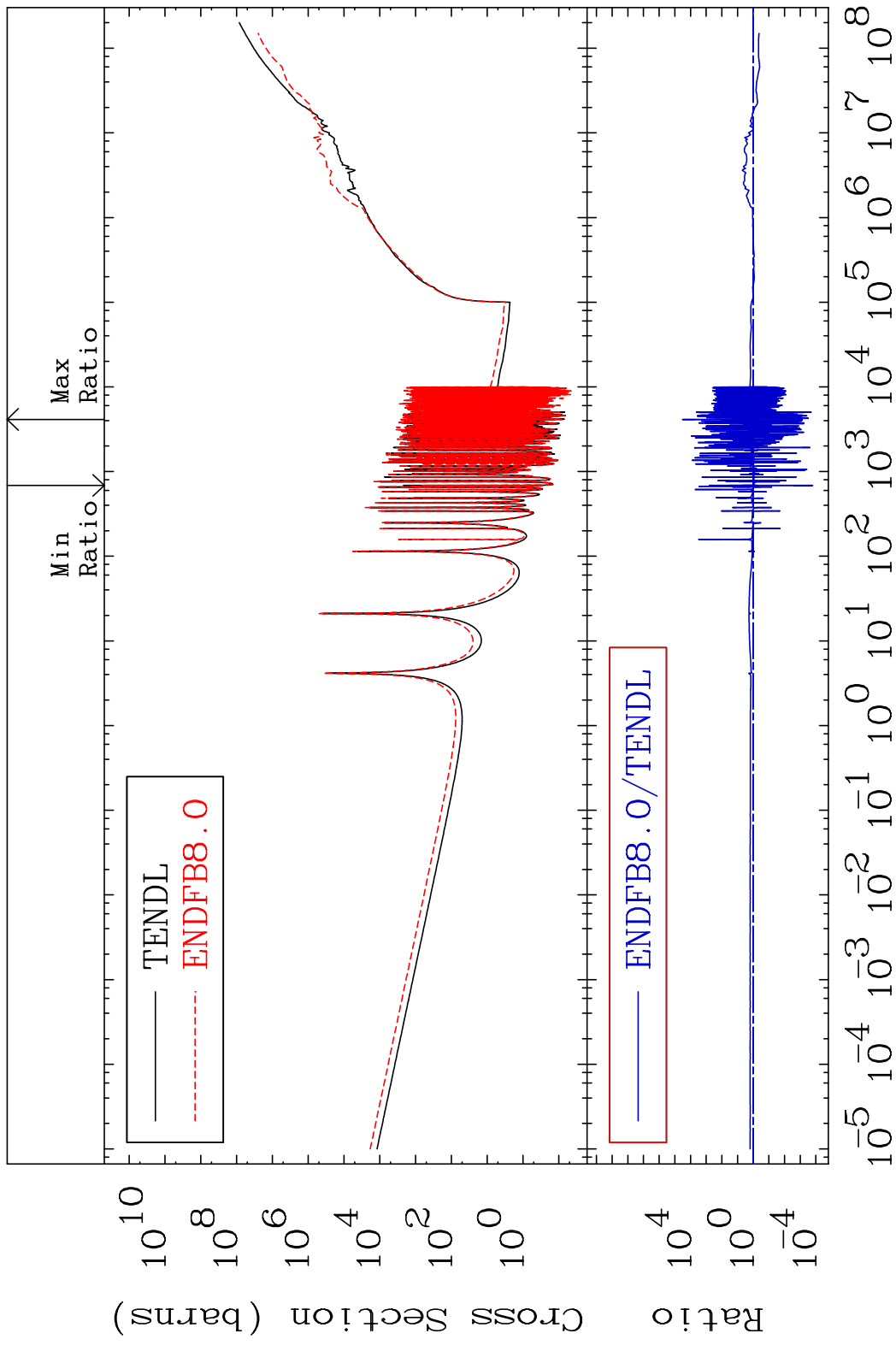


MAT 7431

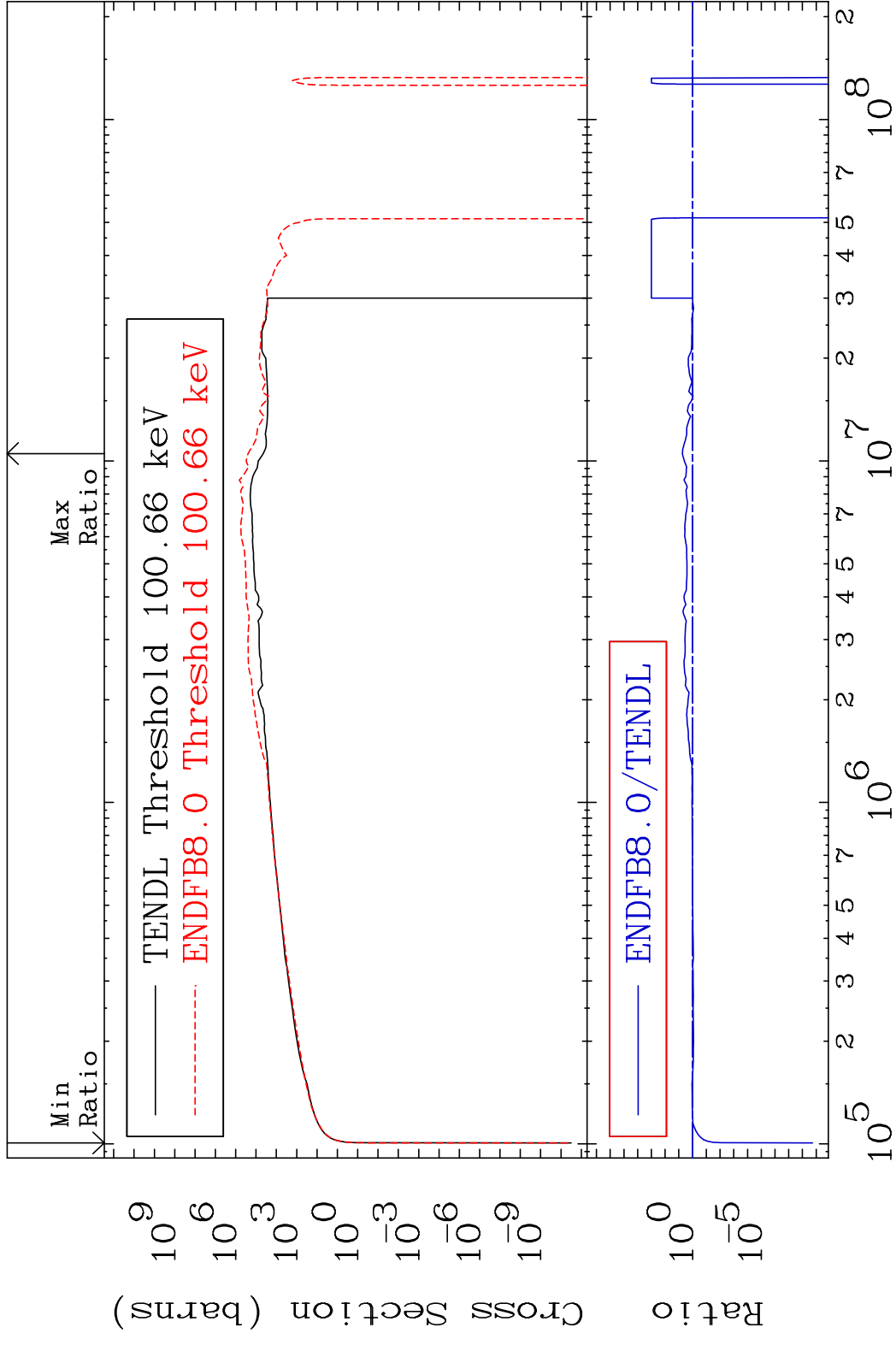
Kerma elastic 74-W -182
Cross Section -100.0 To 9999. %



MAT 7431 Kerma non-elastic (all but mt2) 74-W -182
 Cross Section -99.98 To 9999. %

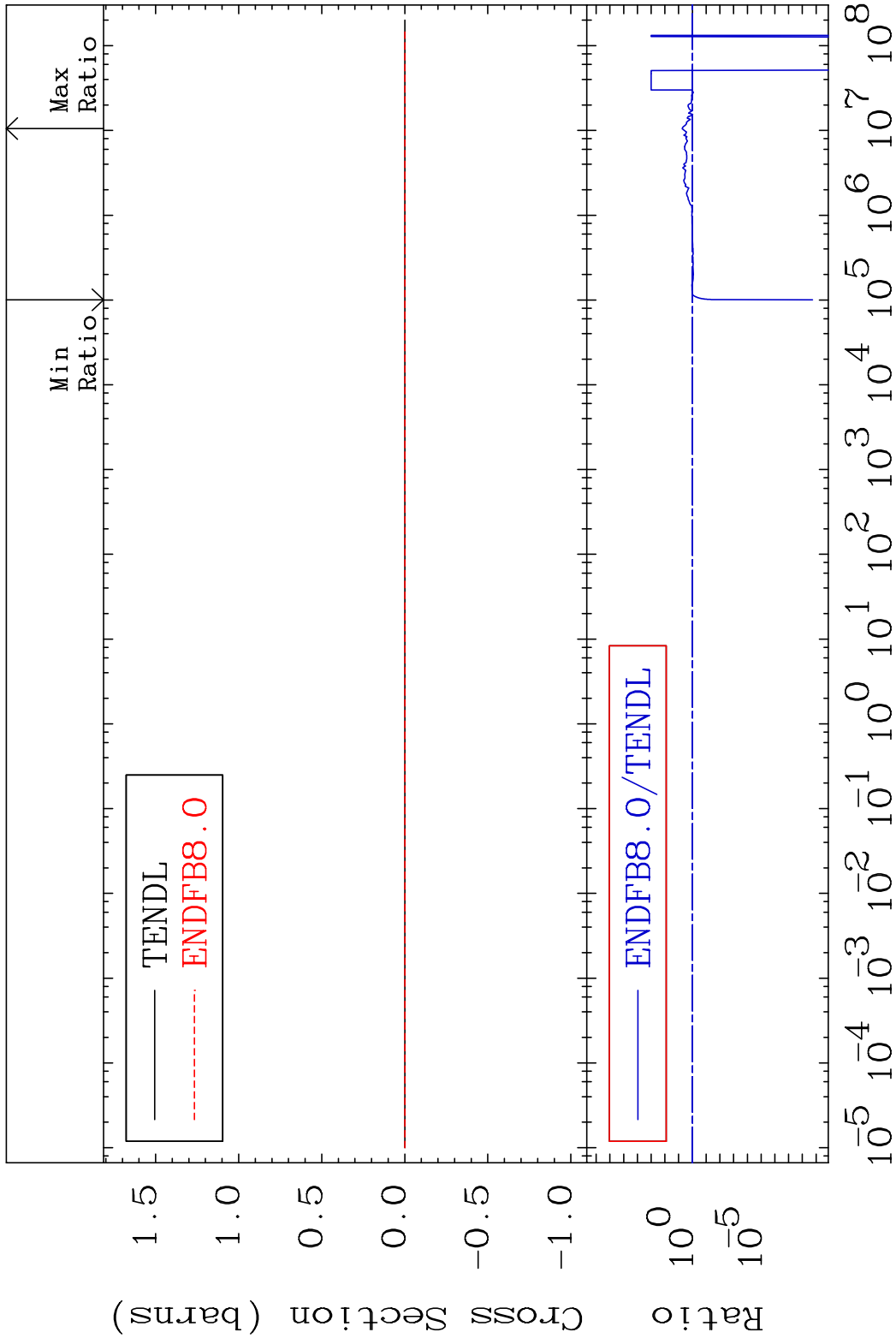


MAT 7431 Kerma inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 455.7 %



28 Incident Energy (eV) 74-W -182

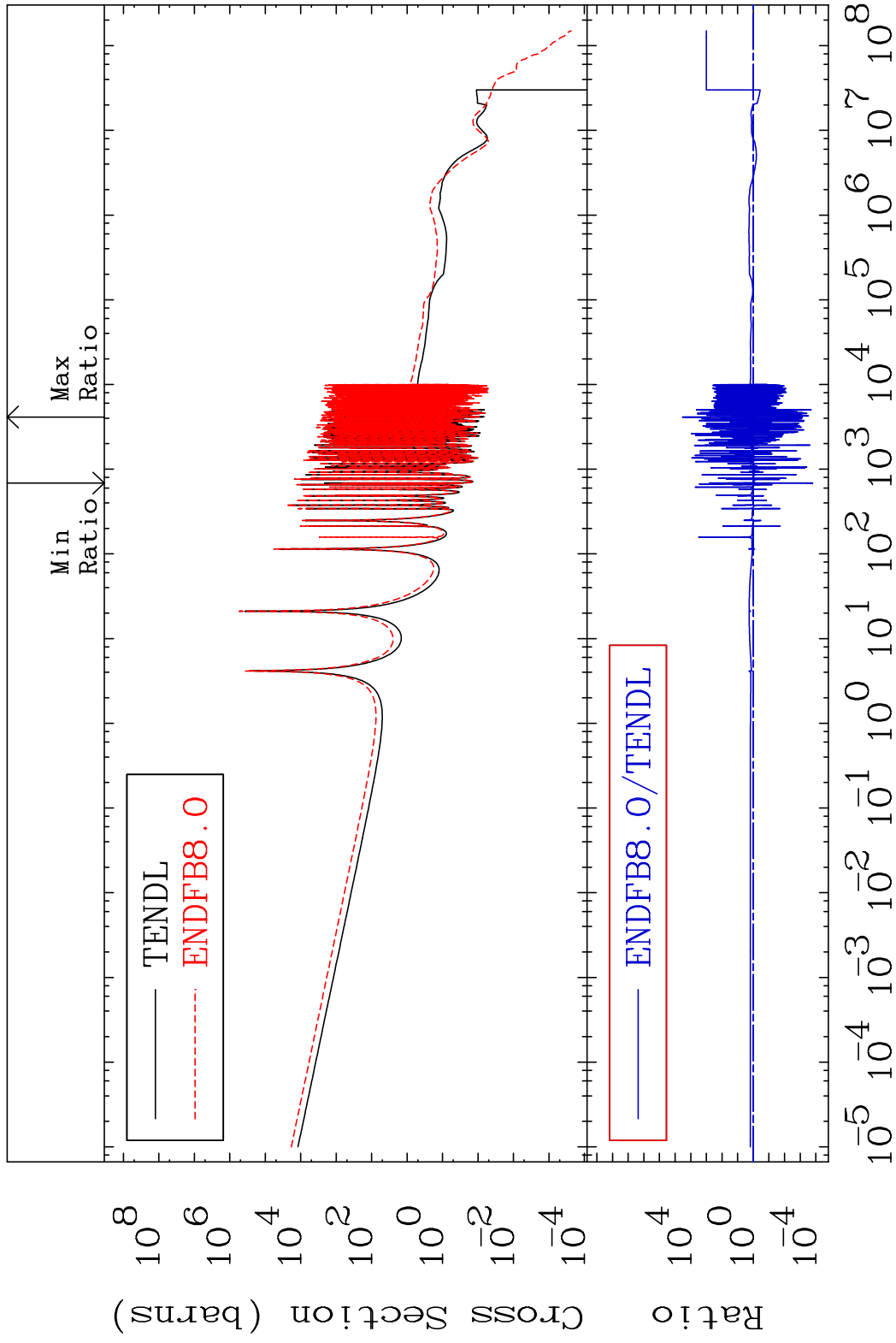
MAT 7431 Kerma fission (mt18 or mt19-20-21-38)74-W -182
 Cross Section -100.0 To 455.7 %



MAT 7431

Kerma capture (mt102) 74-W -182

Cross Section -99.98 To 9999. %

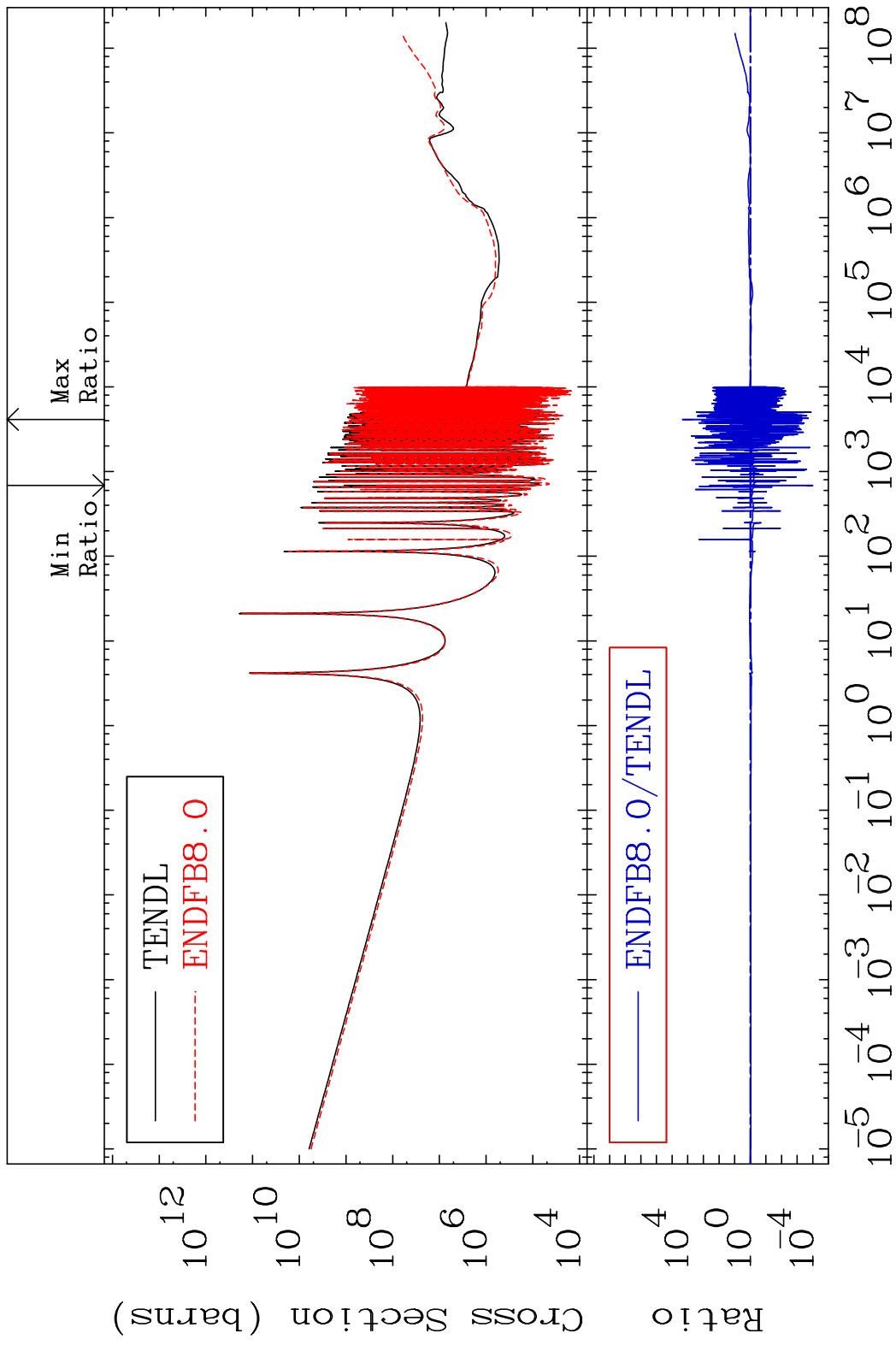


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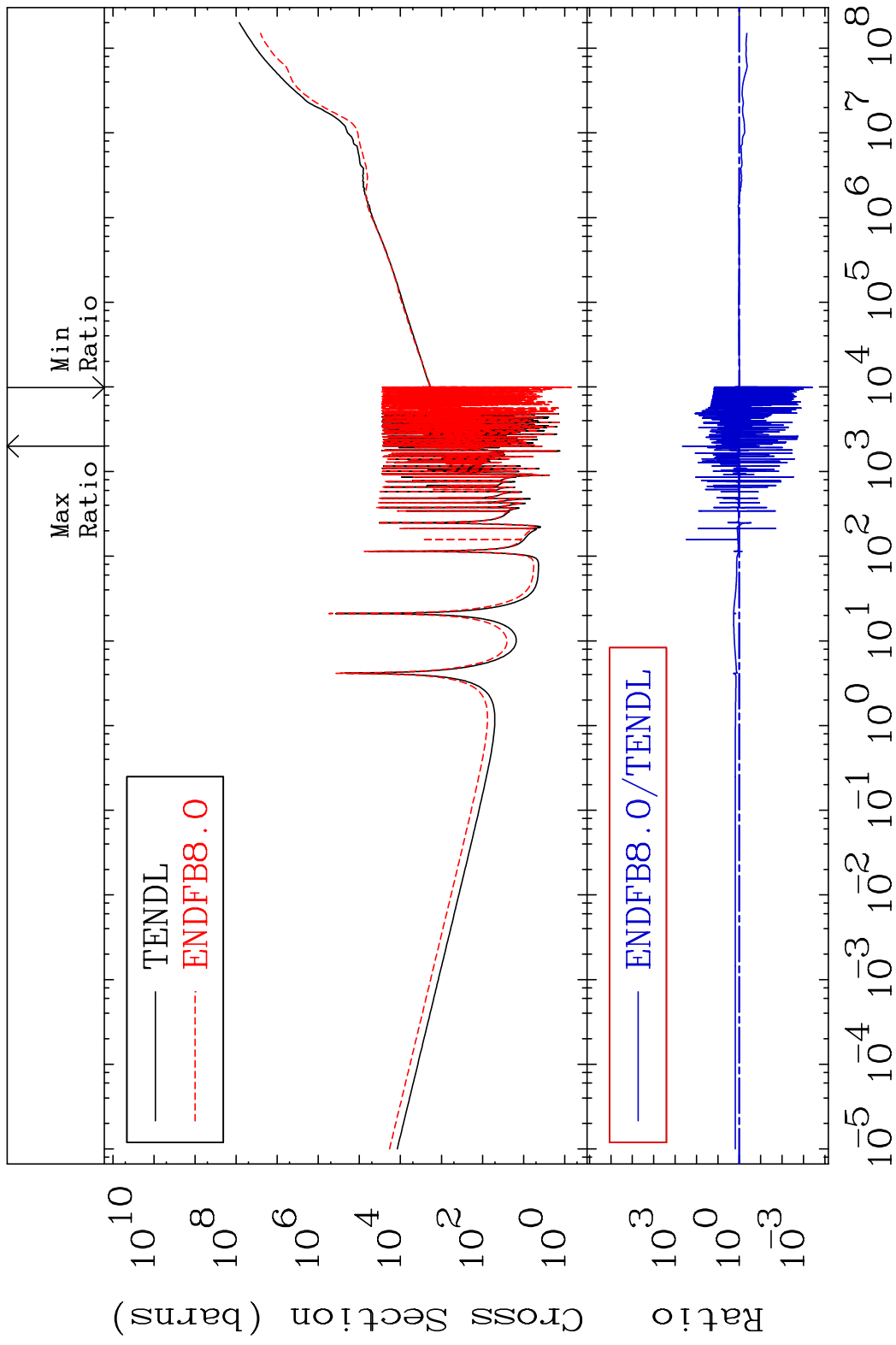
Incident Energy (eV)

74-W -182

MAT 7431 Total photon (eV-barns) 74-W -182
 Cross Section -99.99 To 9999. %



MAT 7431 Total kinematic kerma (high limit) 74-W -182
 Cross Section -99.96 To 9999. %

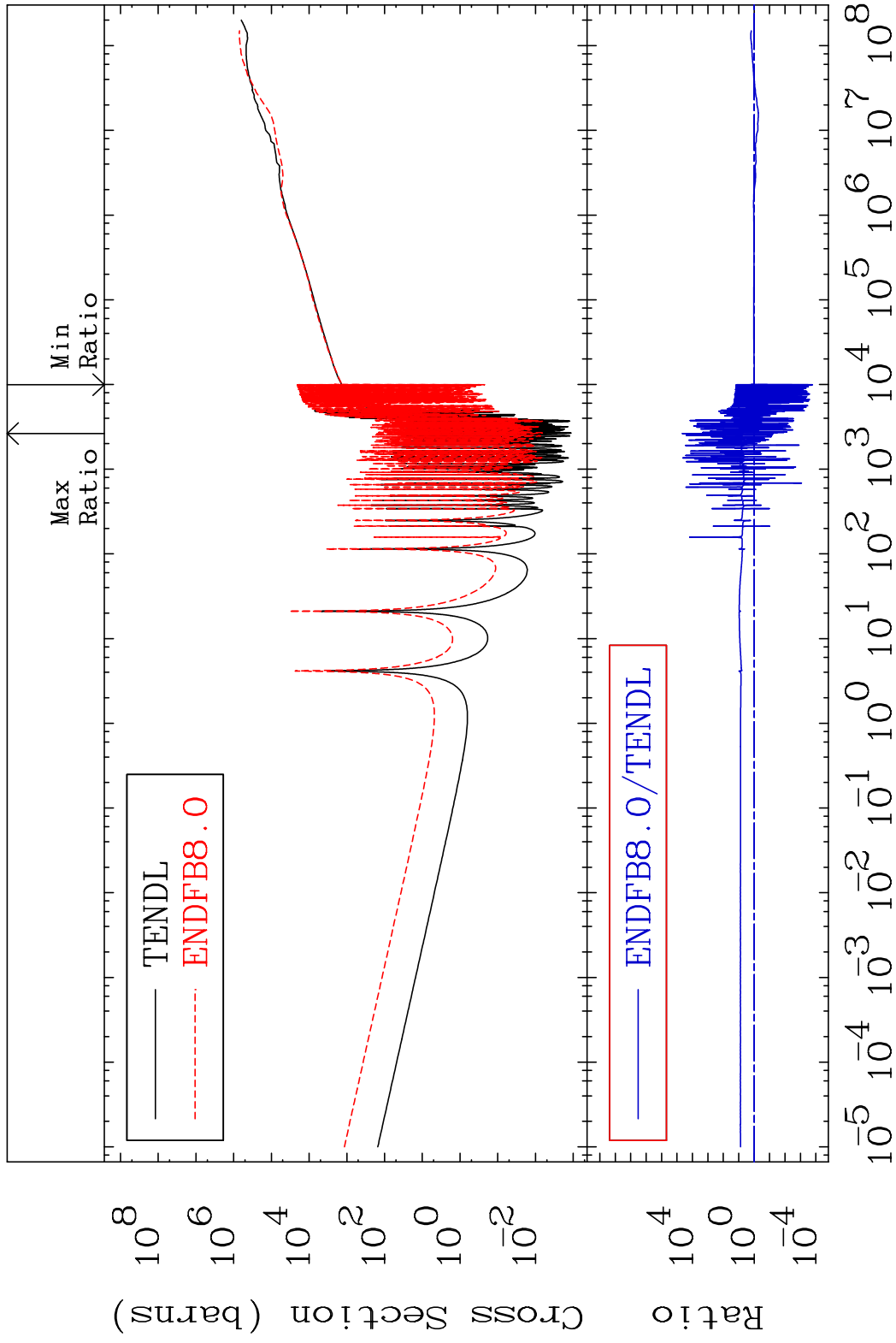


MAT 7431

Dpa total (eV-barns)

74-W -182

Cross Section -99.98 To 9999. %

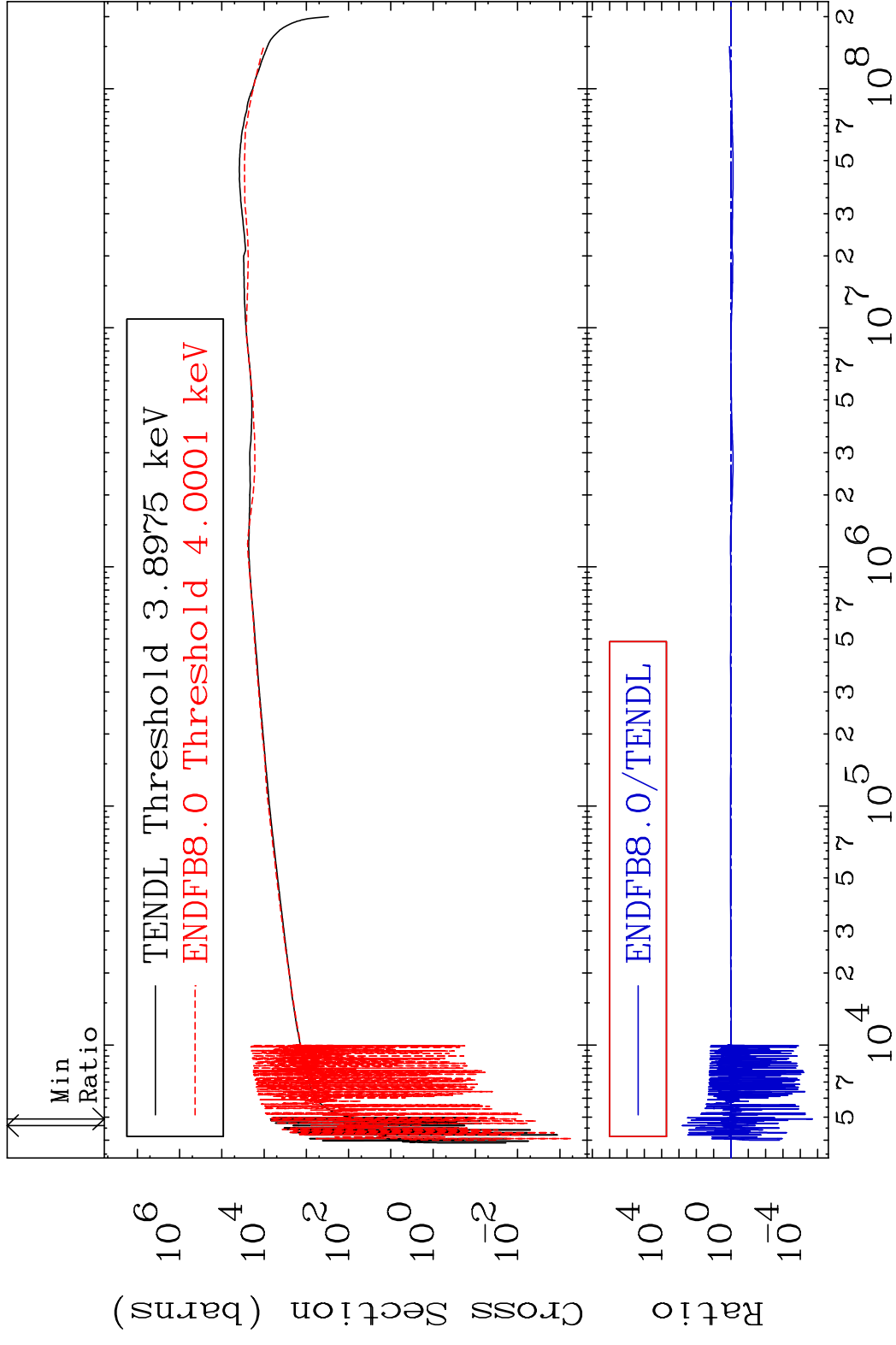


33

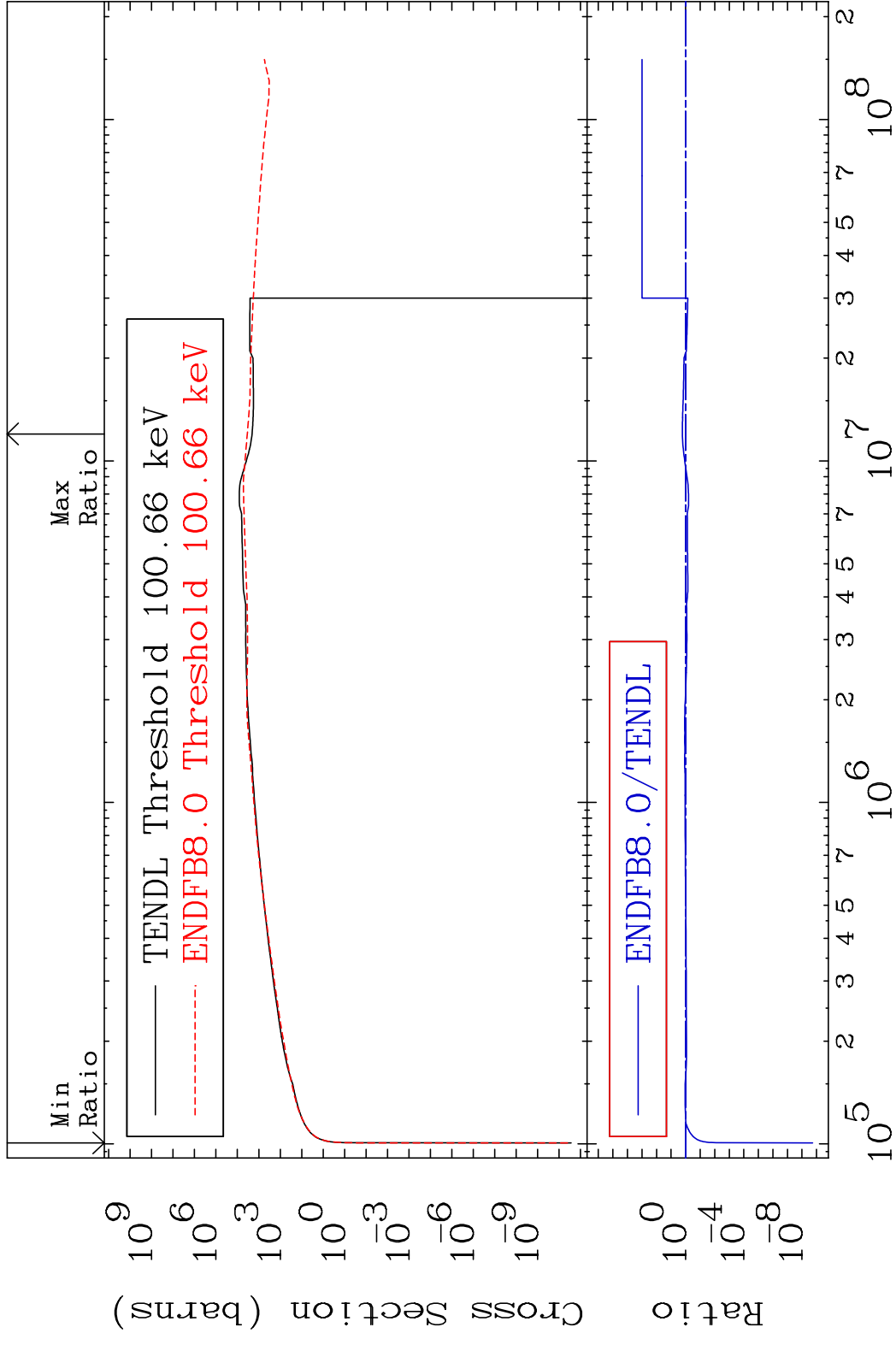
Incident Energy (eV)

74-W -182

MAT 7431 Dpa elastic (mt2) 74-W -182
 Cross Section -100.0 To 9999. %

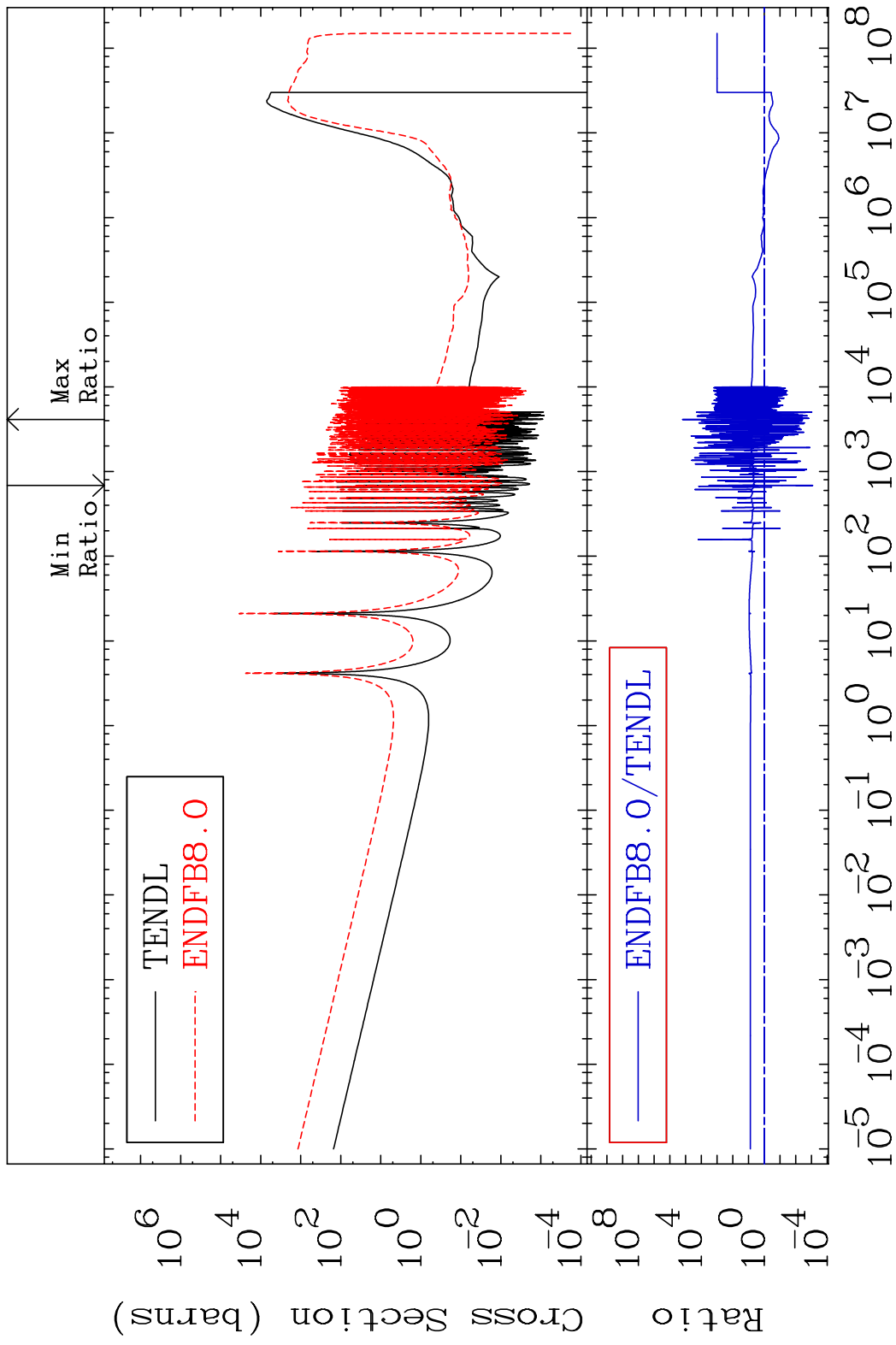


MAT 7431 Dpa inelastic (mt51-91) 74-W -182
 Cross Section -100.0 To 67.63 %



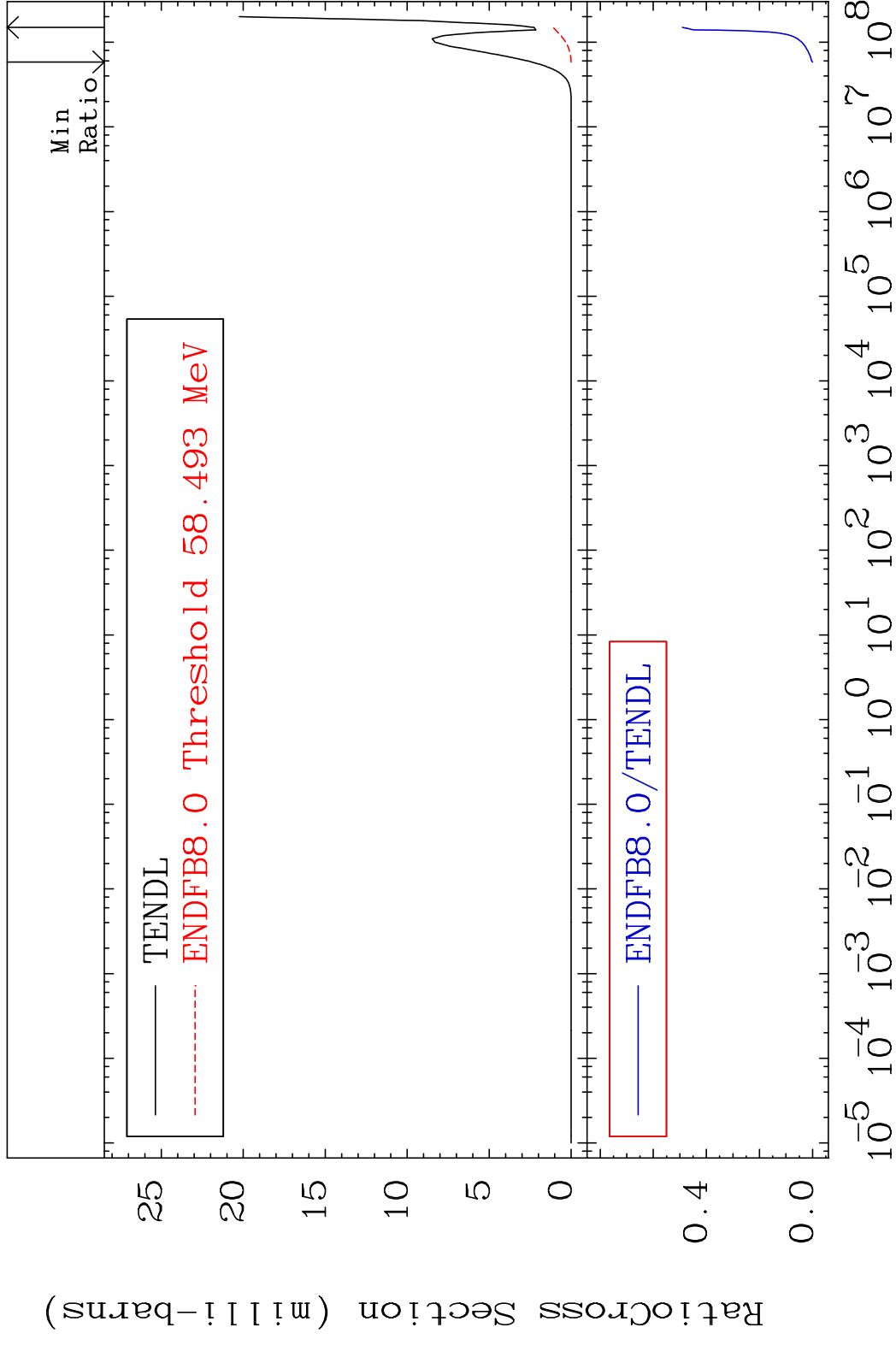
35 Incident Energy (eV) 74-W -182

MAT 7431 Dpa disappearance (mt102 -120) 74-W -182
 Cross Section -99.91 To 9999. %

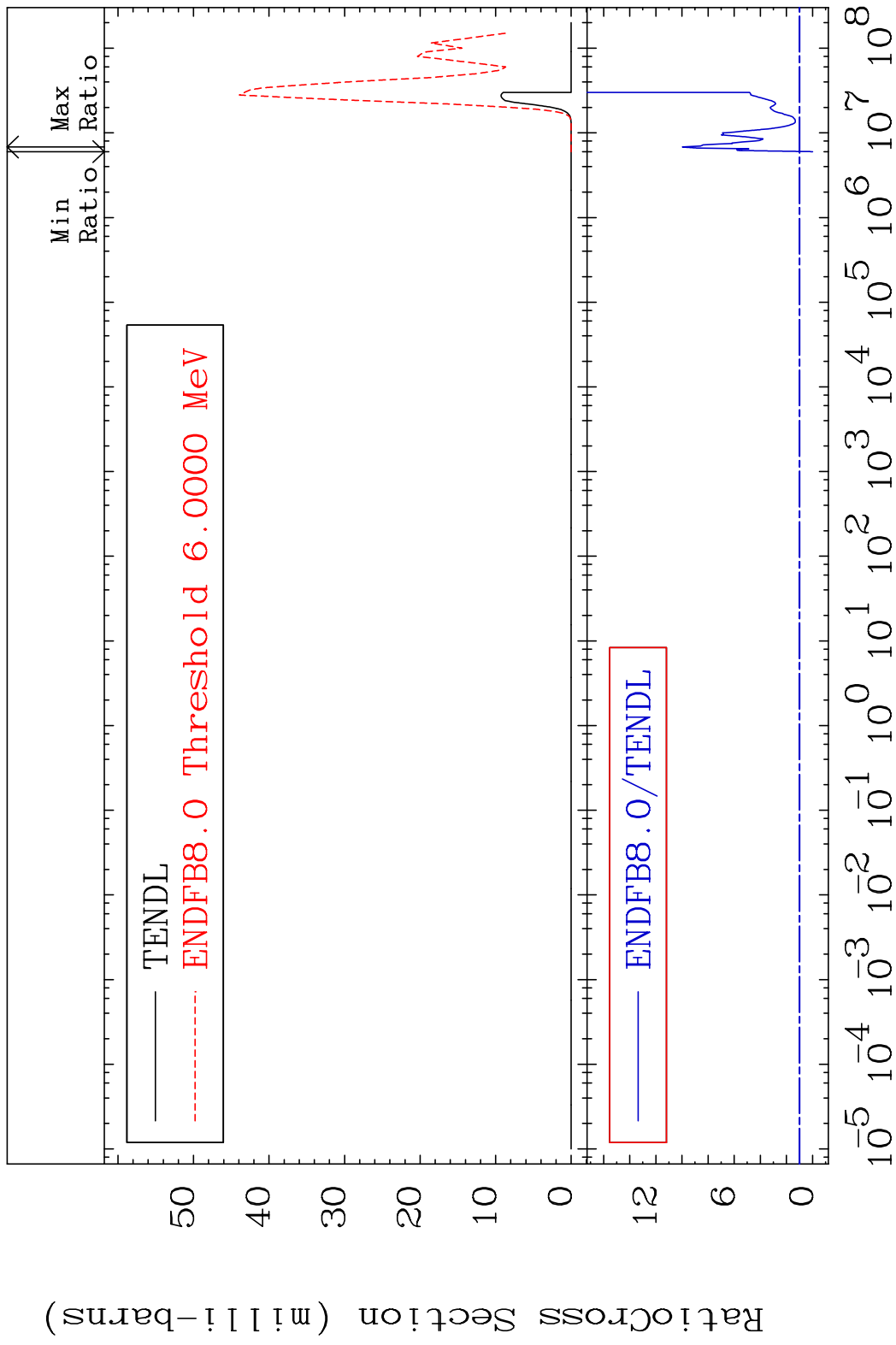


36 Incident Energy (eV) 74-W -182

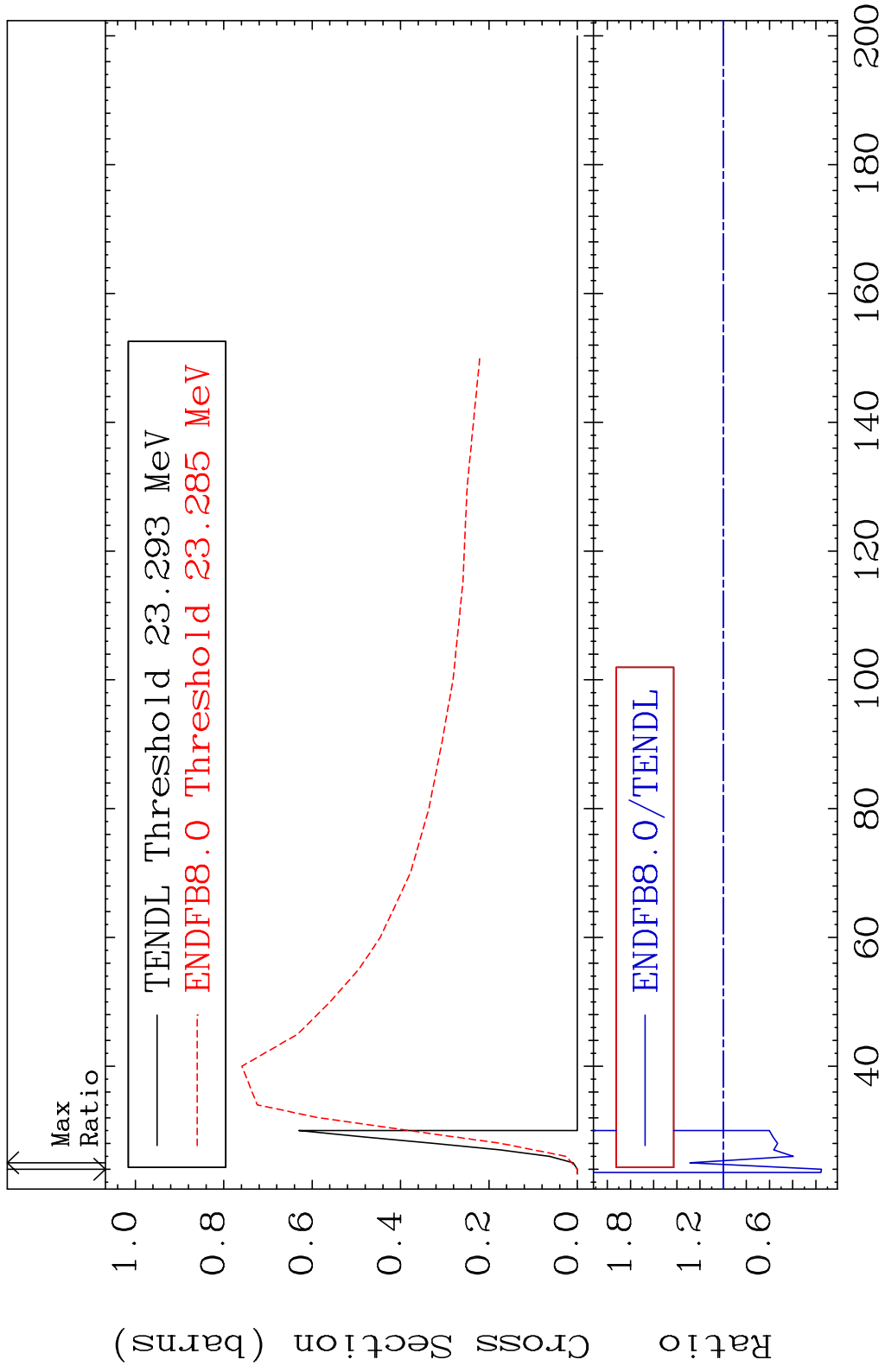
MAT 7431 Fission:0-??-Nat 74-W -182
 Radionuclide Production Cross Section 180000 dtho -50.95%



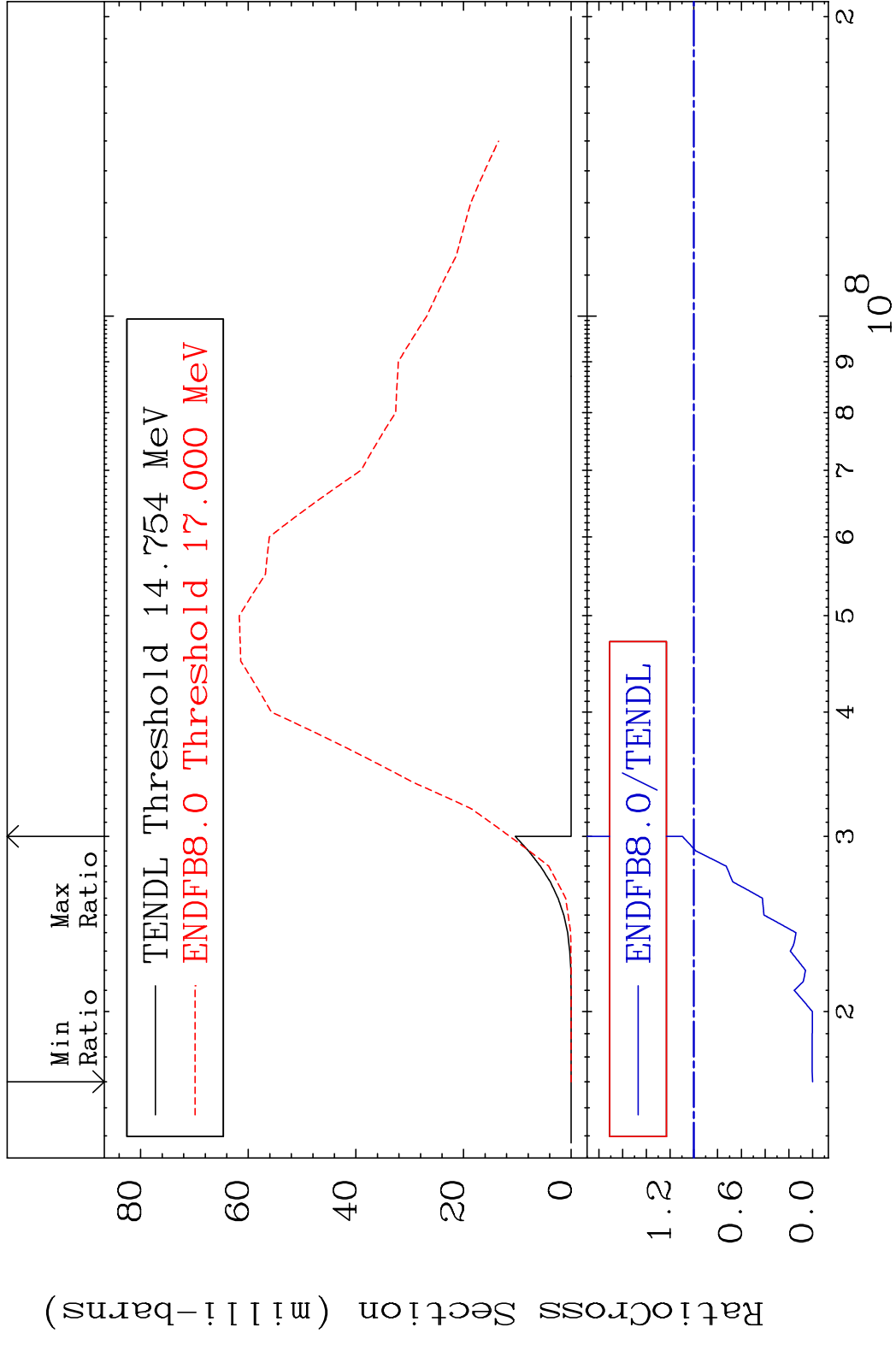
MAT 7431 (n, n') α :72-Hf-178g 74-W -182
 Radionuclide Production Cross Section Ratio 897.0 %

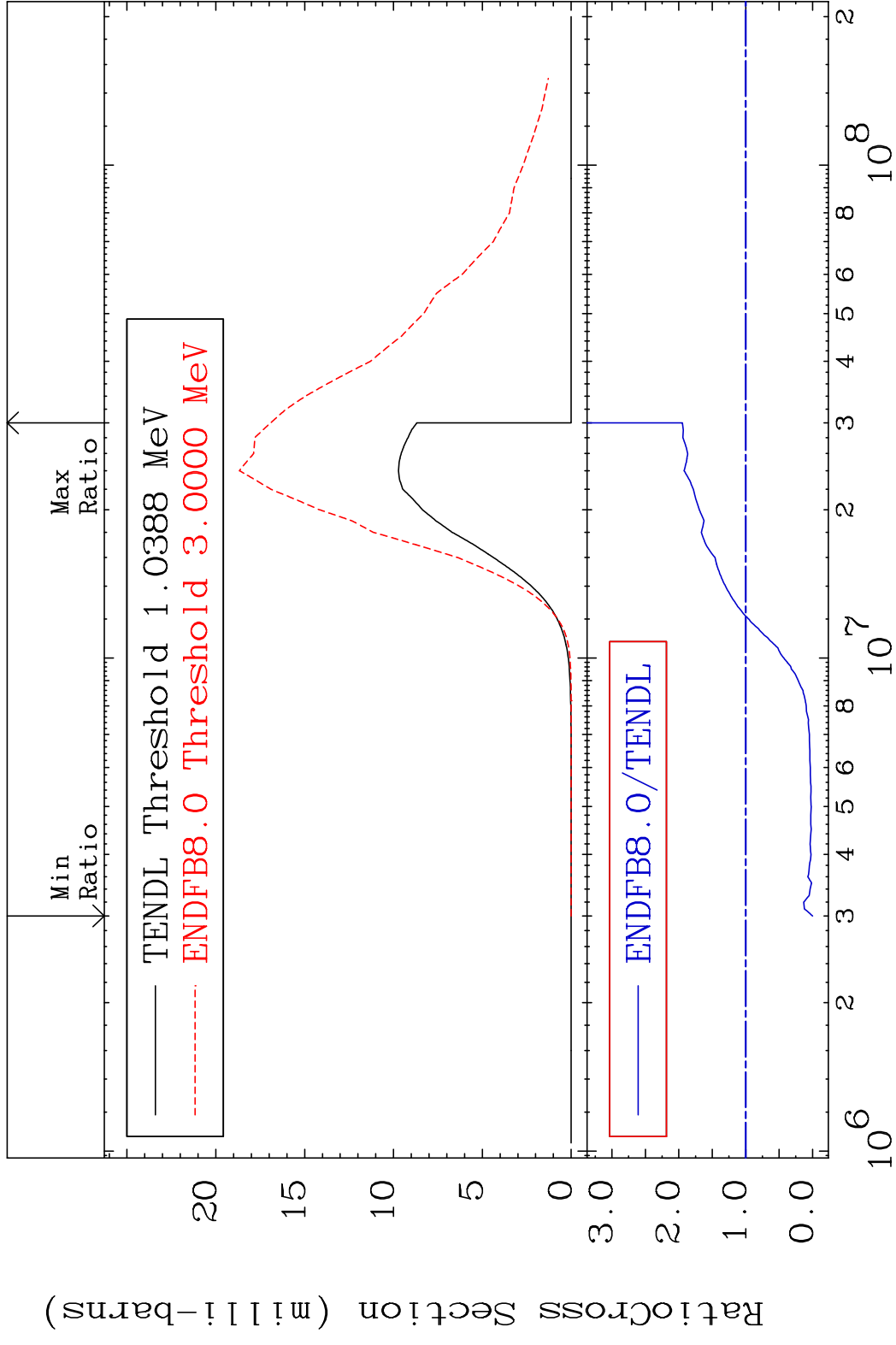


MAT 7431 (n,4n):74-W -179g 74-W -182
 Radionuclide Production Cross Section 28.82 %

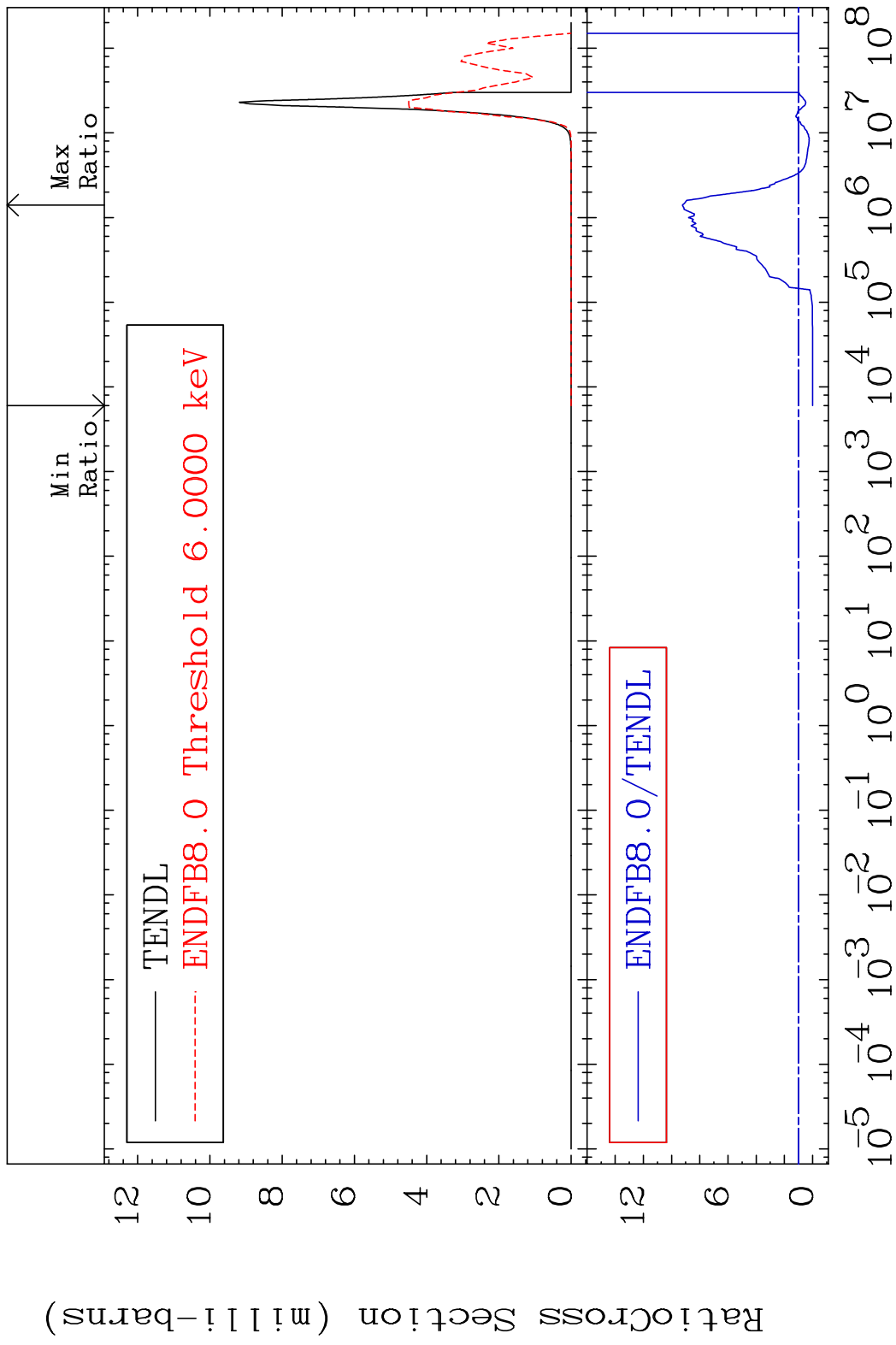


MAT 7431 (n,2n) p:73-Ta-180g 74-W -182
 Radionuclide Production Cross Section Ratio 9.717 %





MAT 7431 (n,α):72-Hf-179g 74-W -182
 Radionuclide Production Cross Section 180.0 dth 823.6 %



MAT 7431 (n, α): 72-Hf-179m5 74-W -182
 Radionuclide Production Cross Section Ratio 3330. %

