

Program Complot
(Version 2021-1)

by

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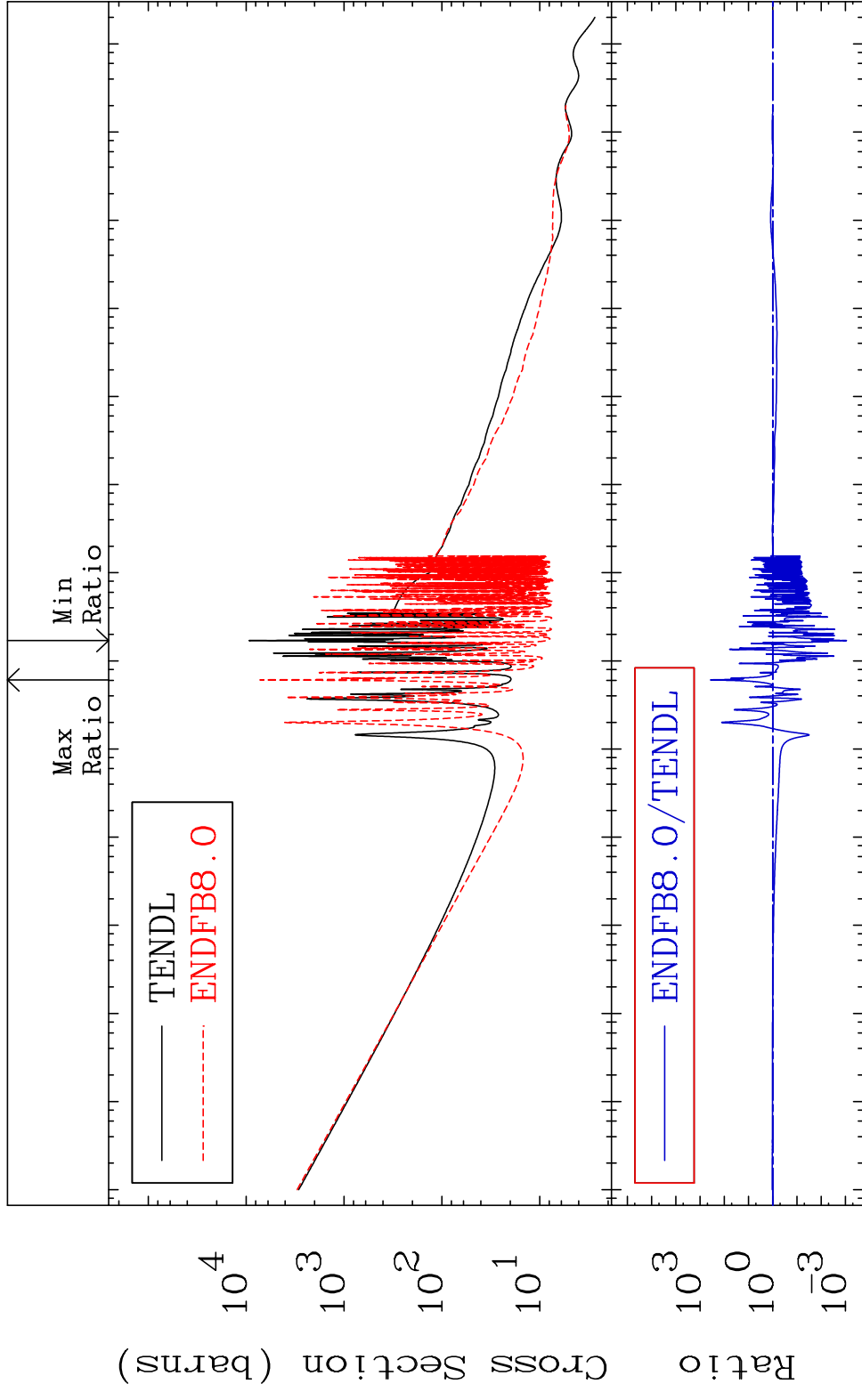
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7428

Total
Cross Section -99.91 To 9999. %

74-W -181



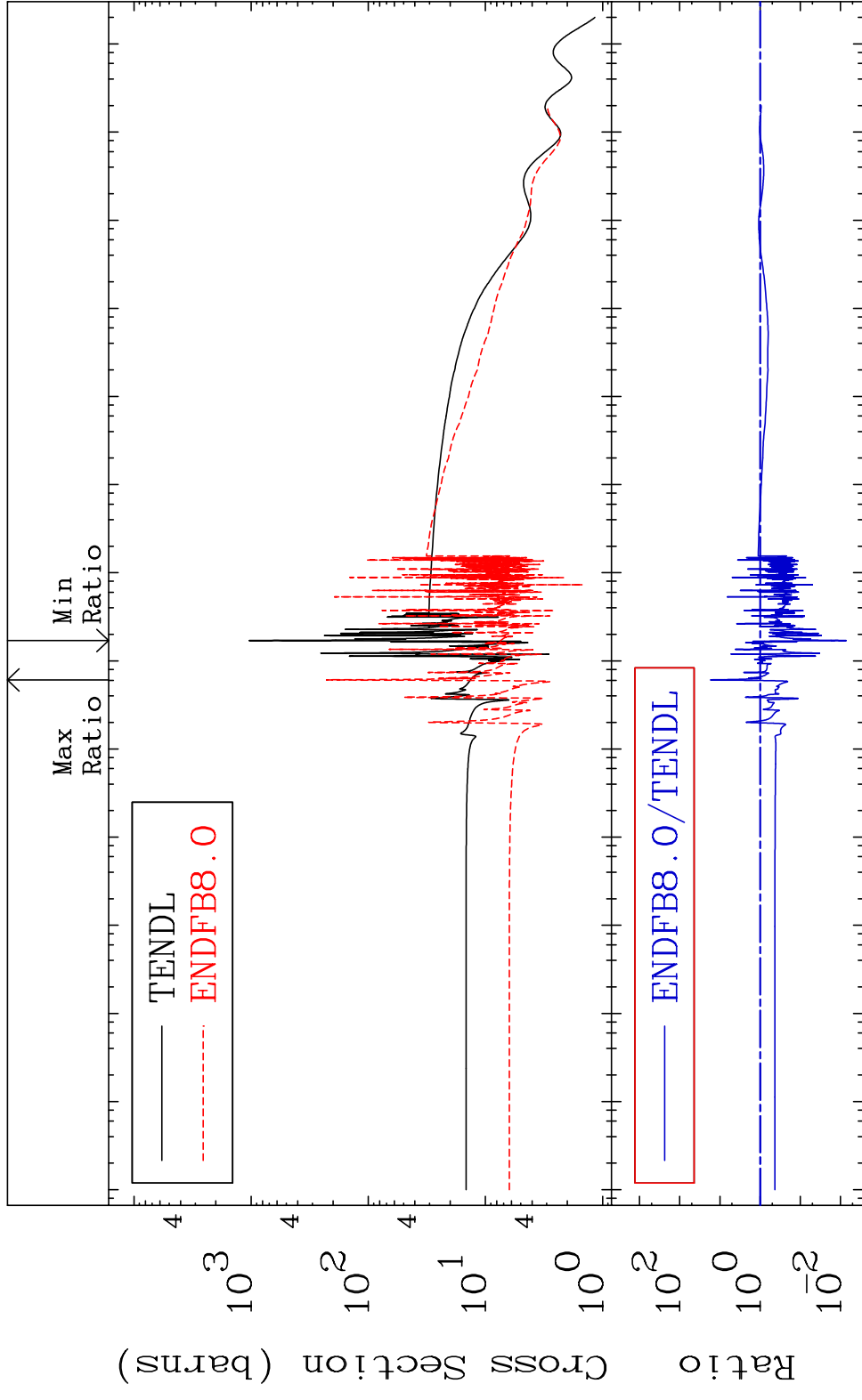
74-W -181

Incident Energy (eV)

1

MAT 7428

Elastic Cross Section -99.29 To 1593. %
74-W -181

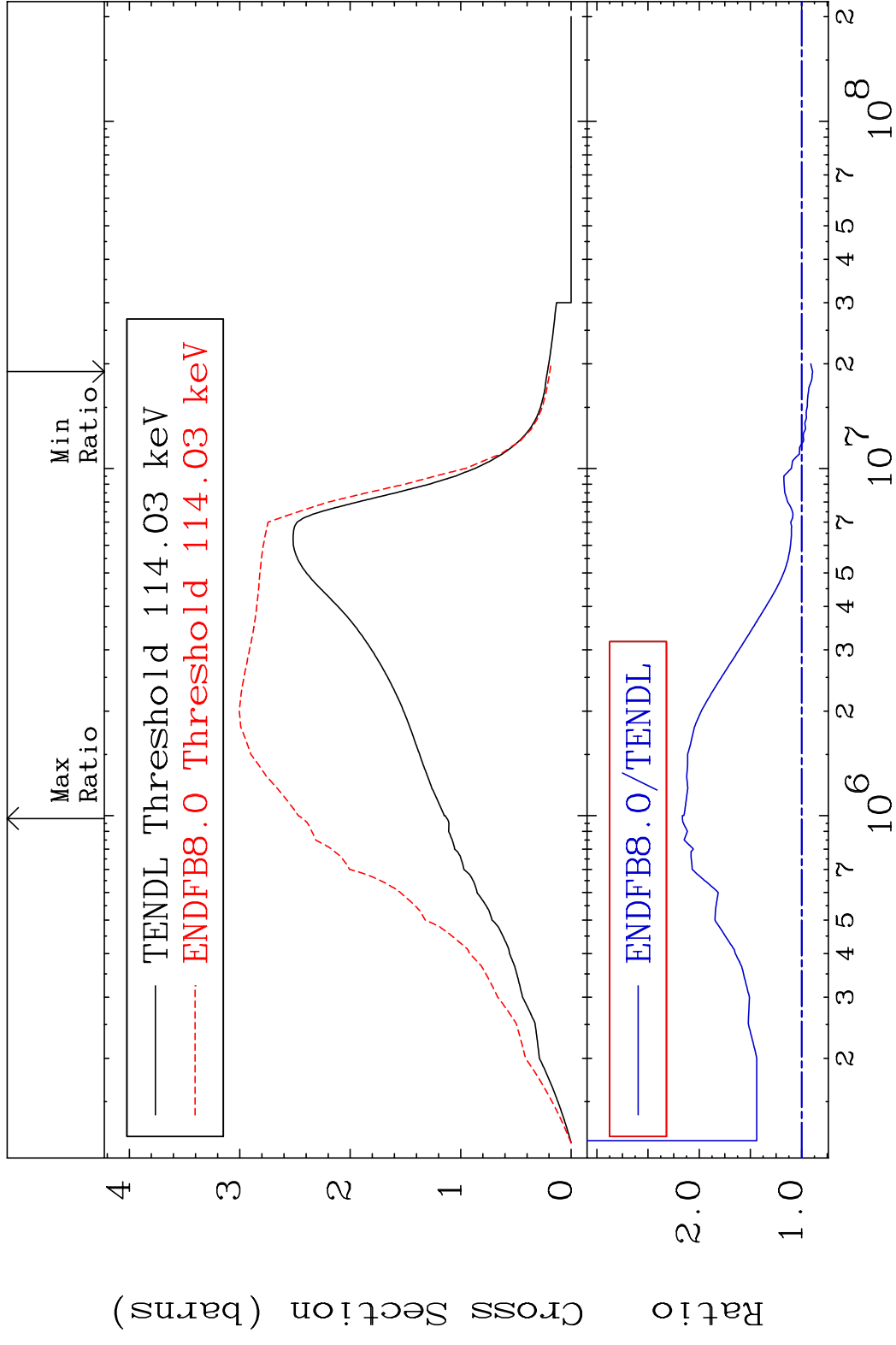


MAT 7428

Inelastic

74-W -181

Cross Section -10.69 To 116.5 %

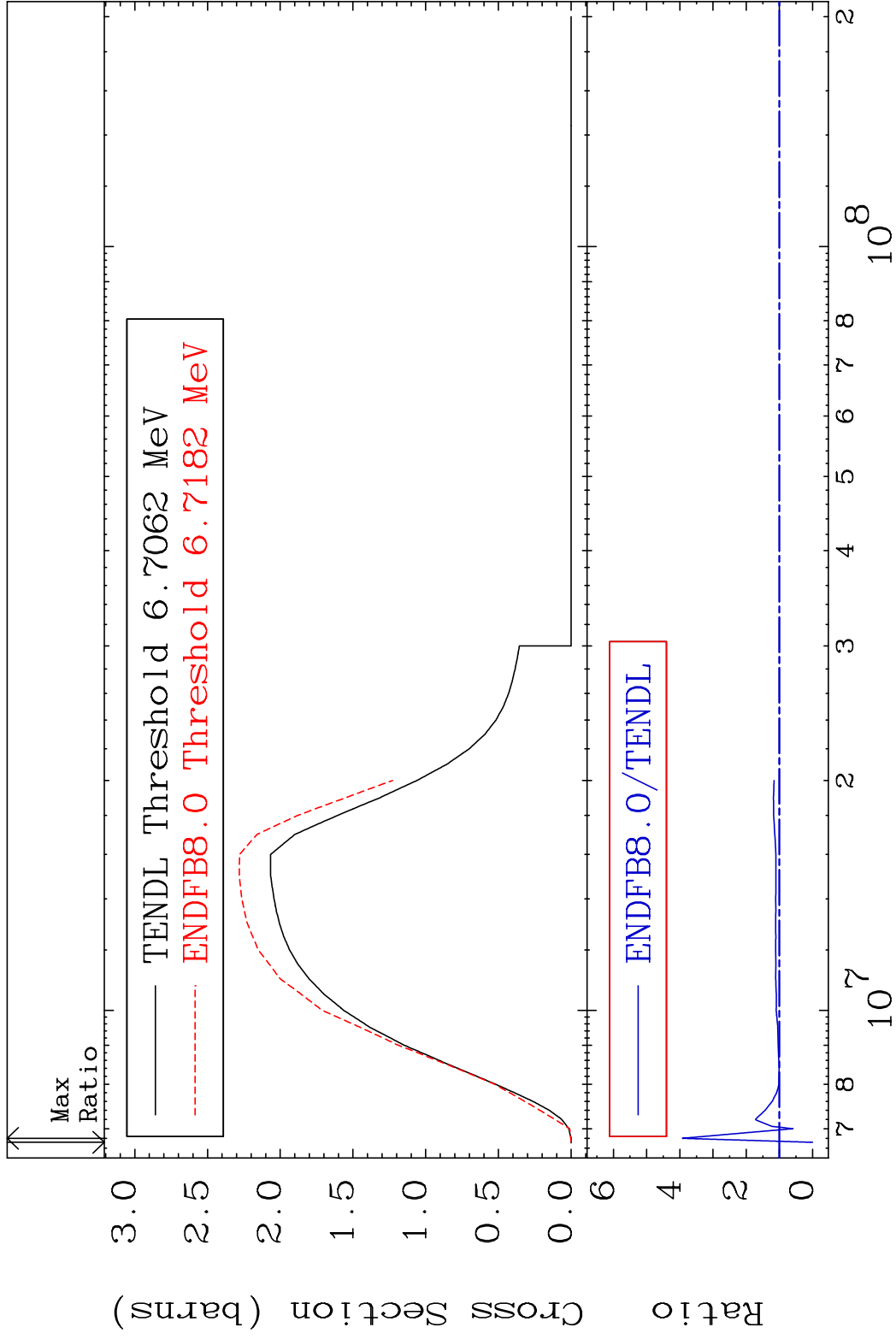


MAT 7428

(n,2n)

74-W -181

Cross Section -100.0 To 292.4 %

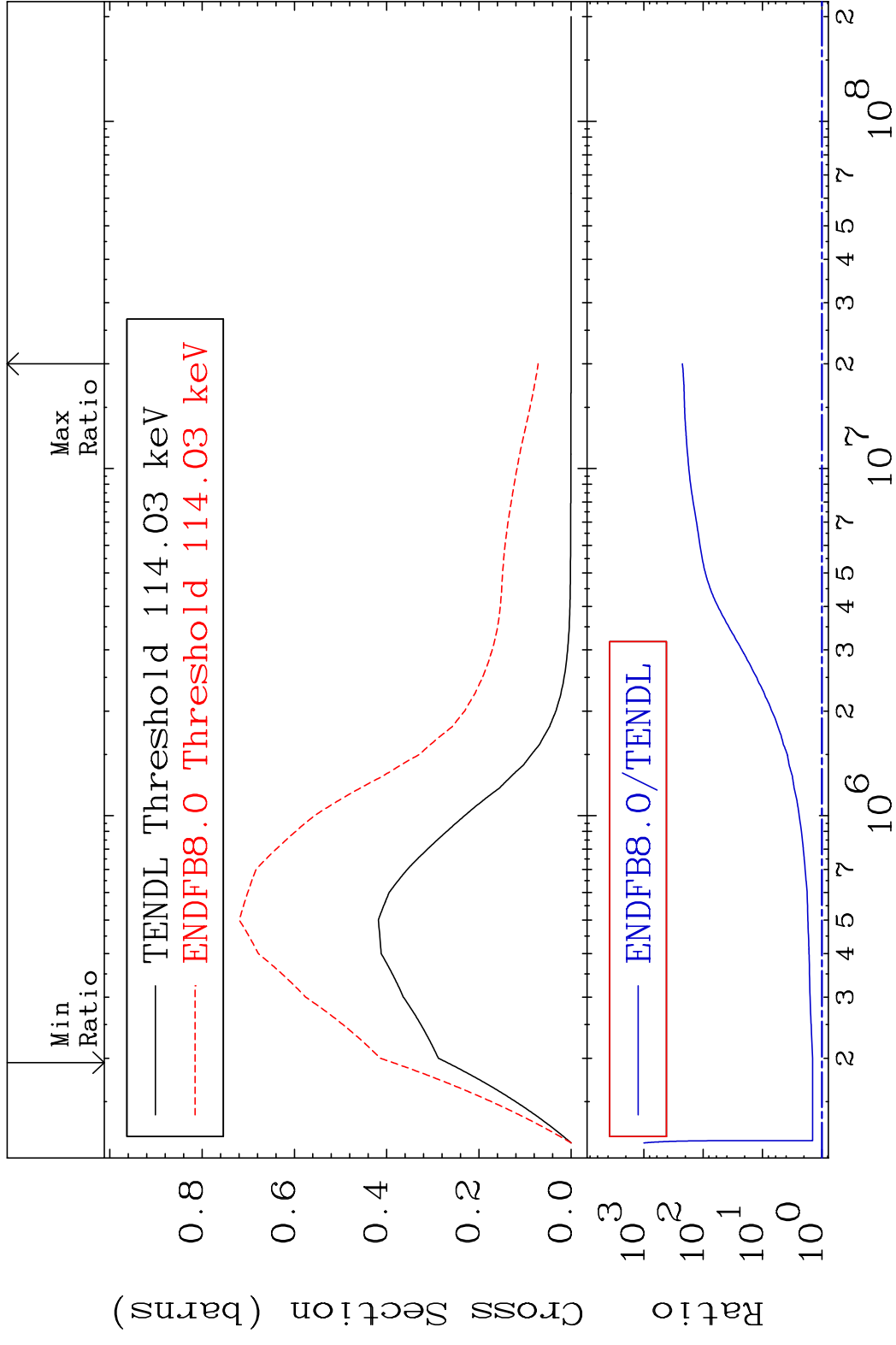


4

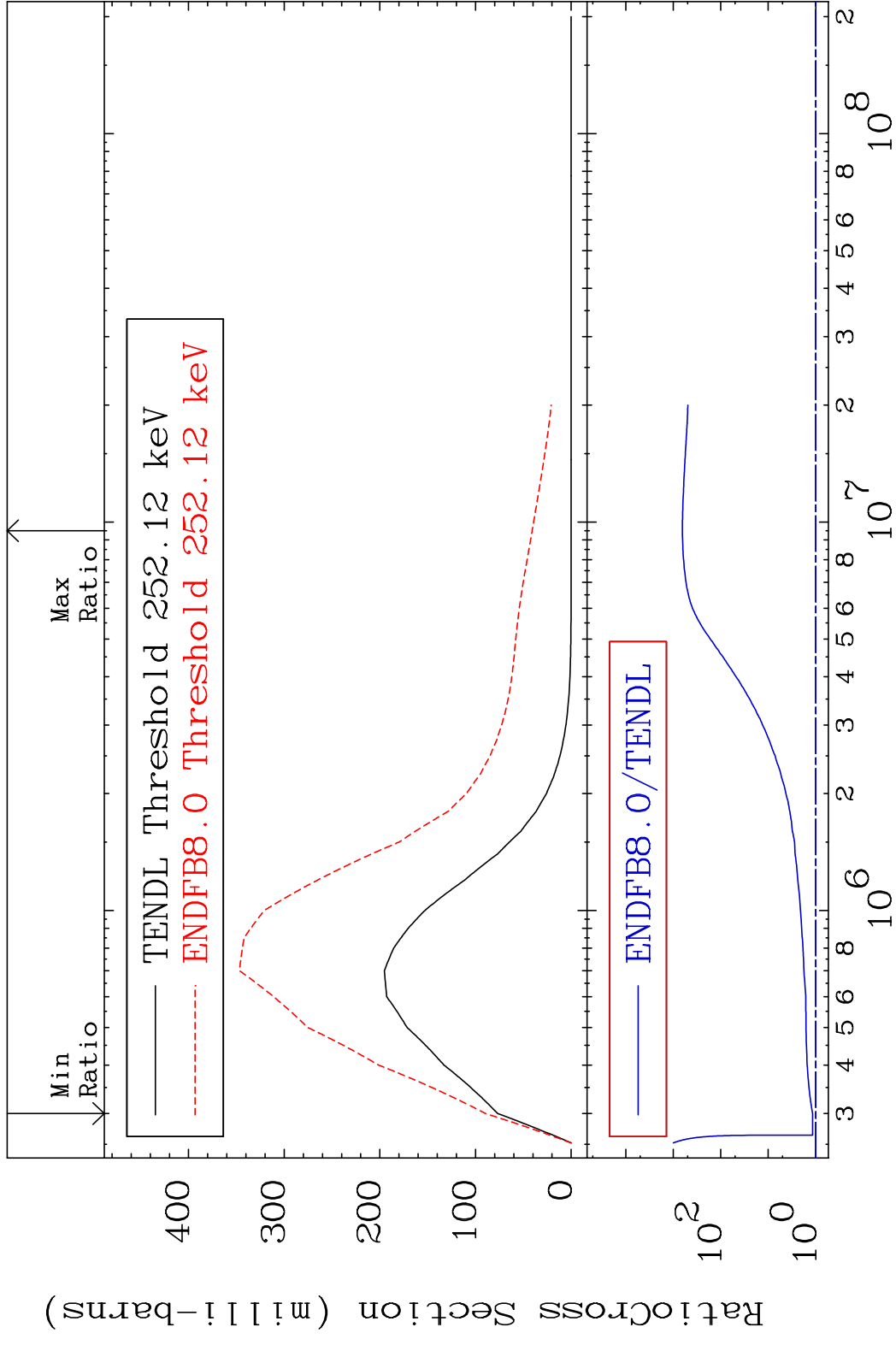
Incident Energy (eV)

74-W -181

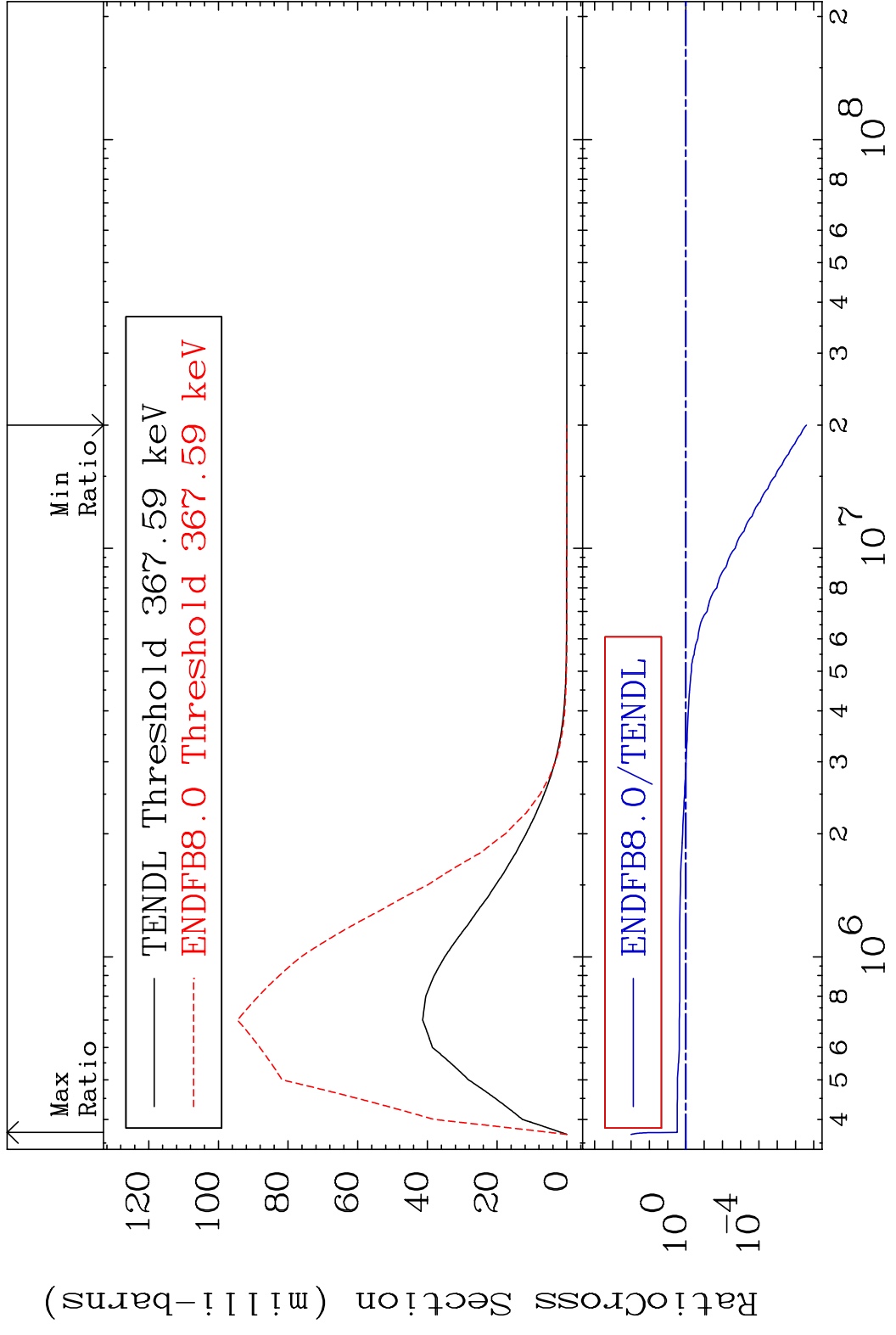
MAT 7428 MT= 51 (n,n') Level 74-W -181
 Cross Section 43.74 To 9999. %



MAT 7428 MT= 52 (n, n') Level 74-W -181
 Cross Section 16.43 To 9999. %

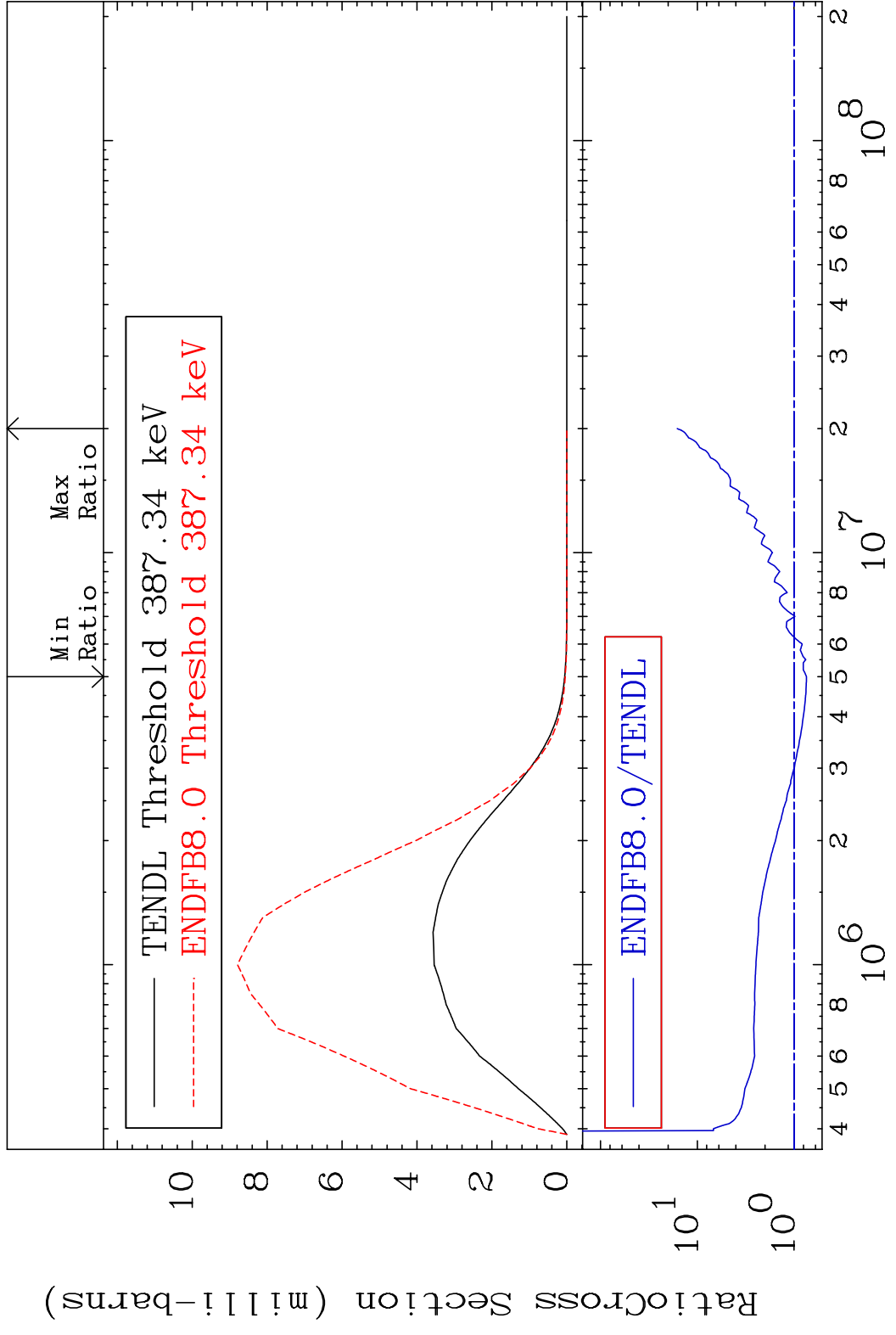


MAT 7428 MT= 53 (n,n') Level 74-W -181
 Cross Section -100.0 To 199.2 %

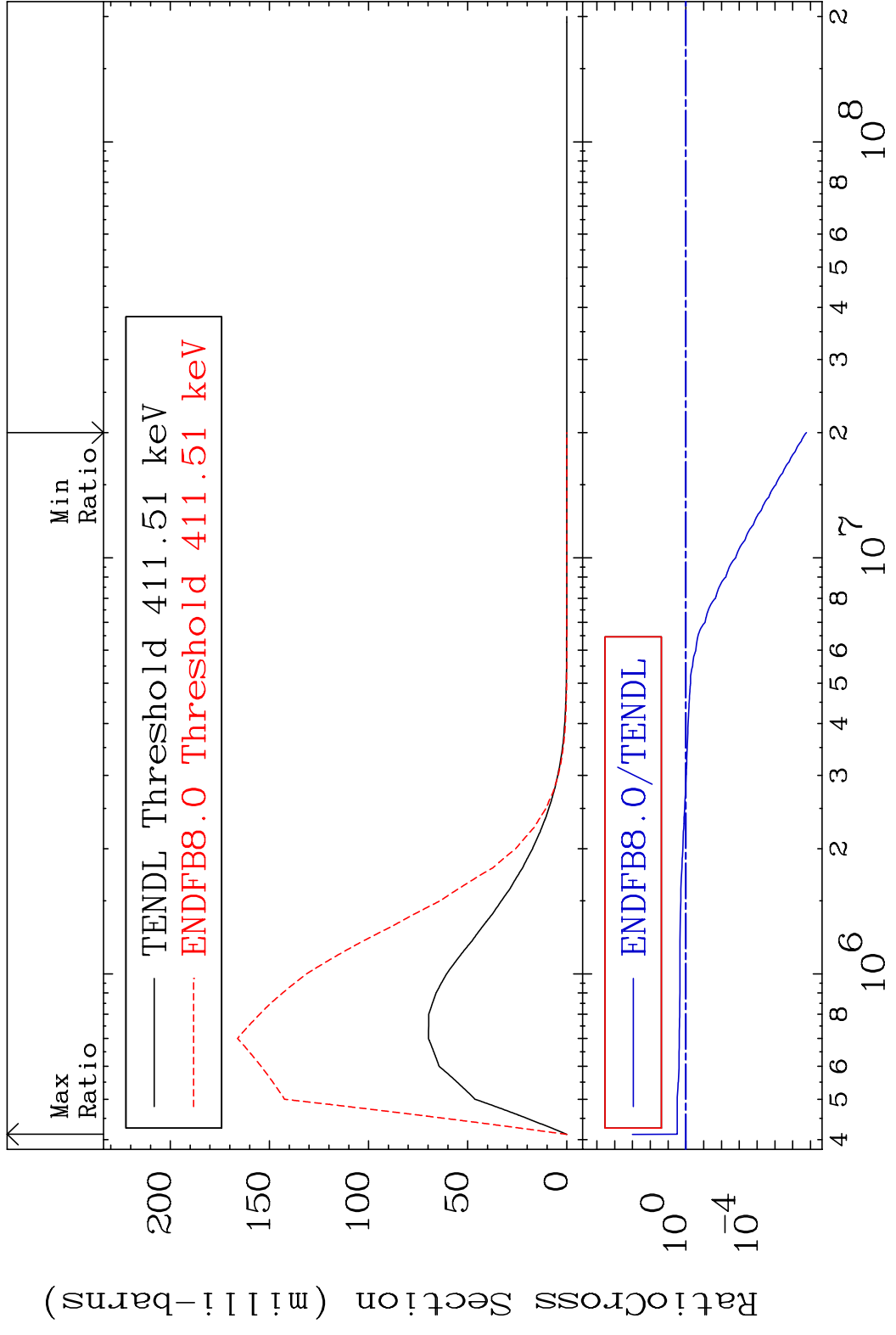


7 74-W -181

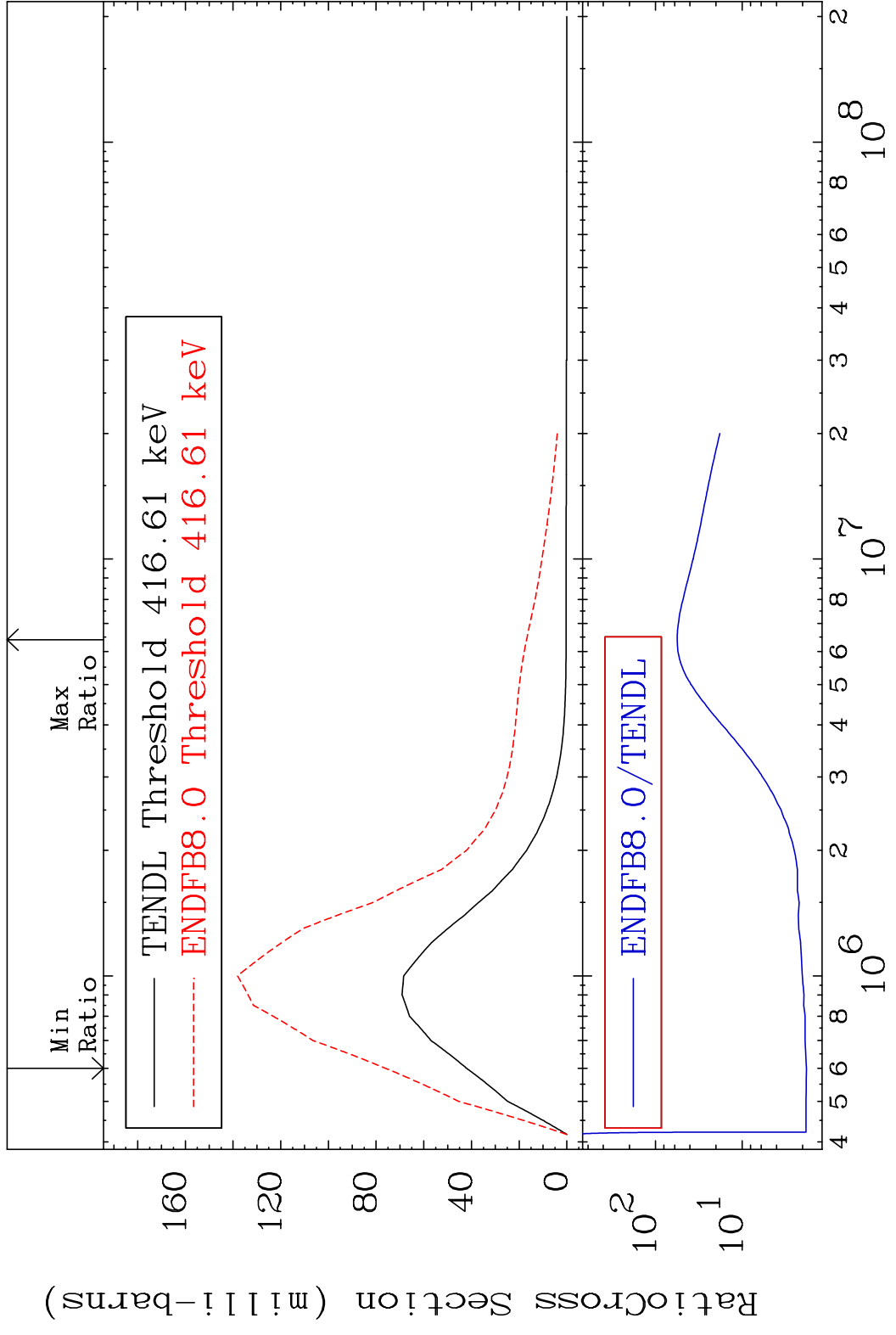
MAT 7428 MT= 54 (n, n') Level 74-W -181
 Cross Section -25.39 To 1514. %



MAT 7428 MT= 55 (n,n') Level 74-W -181
 Cross Section -100.0 To 207.4 %

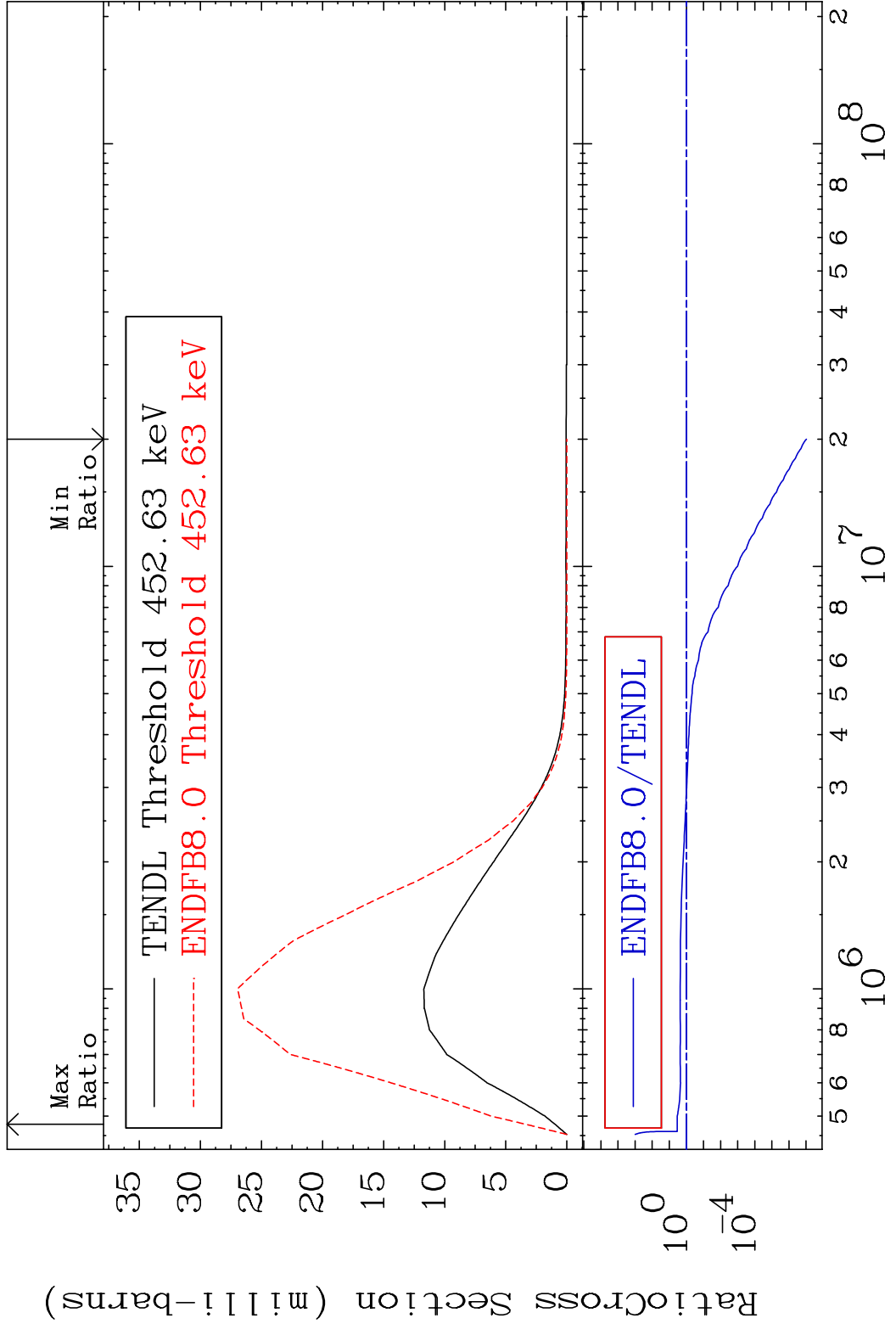


MAT 7428 MT= 56 (n, n') Level 74-W -181
 Cross Section 80.82 To 5510. %

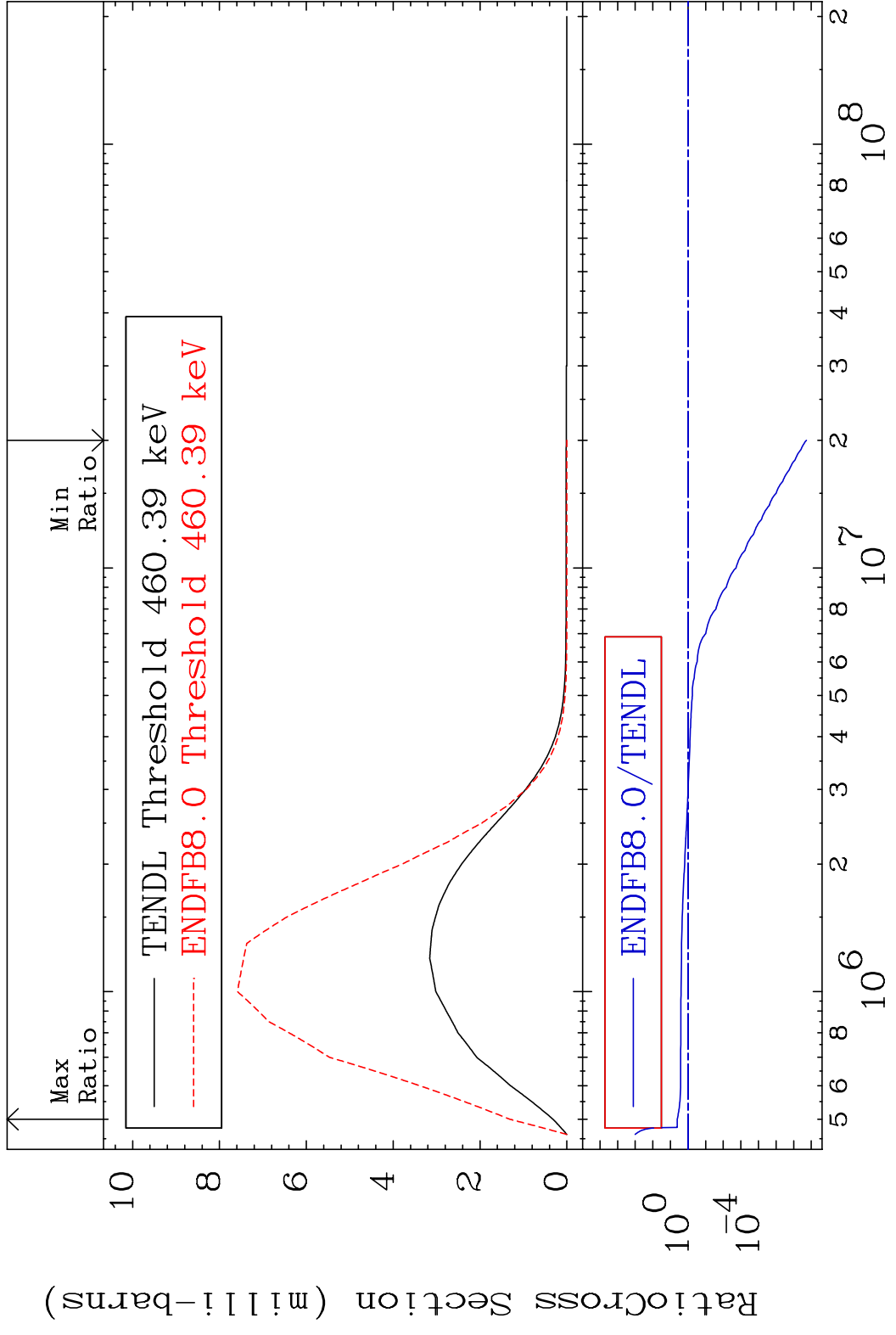


10 Incident Energy (eV) 74-W -181

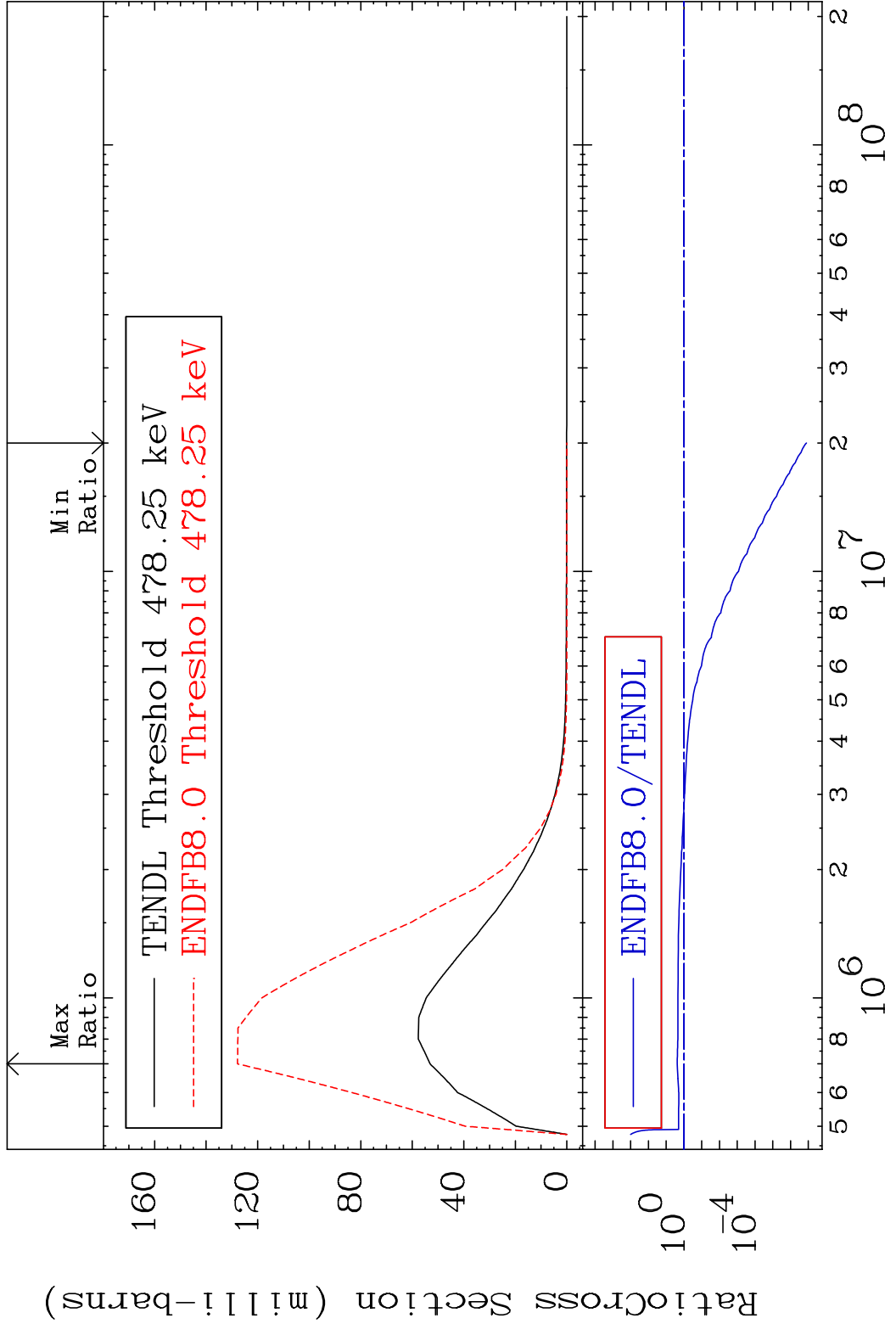
MAT 7428 MT= 57 (n, n') Level 74-W -181
 Cross Section -100.0 To 245.5 %



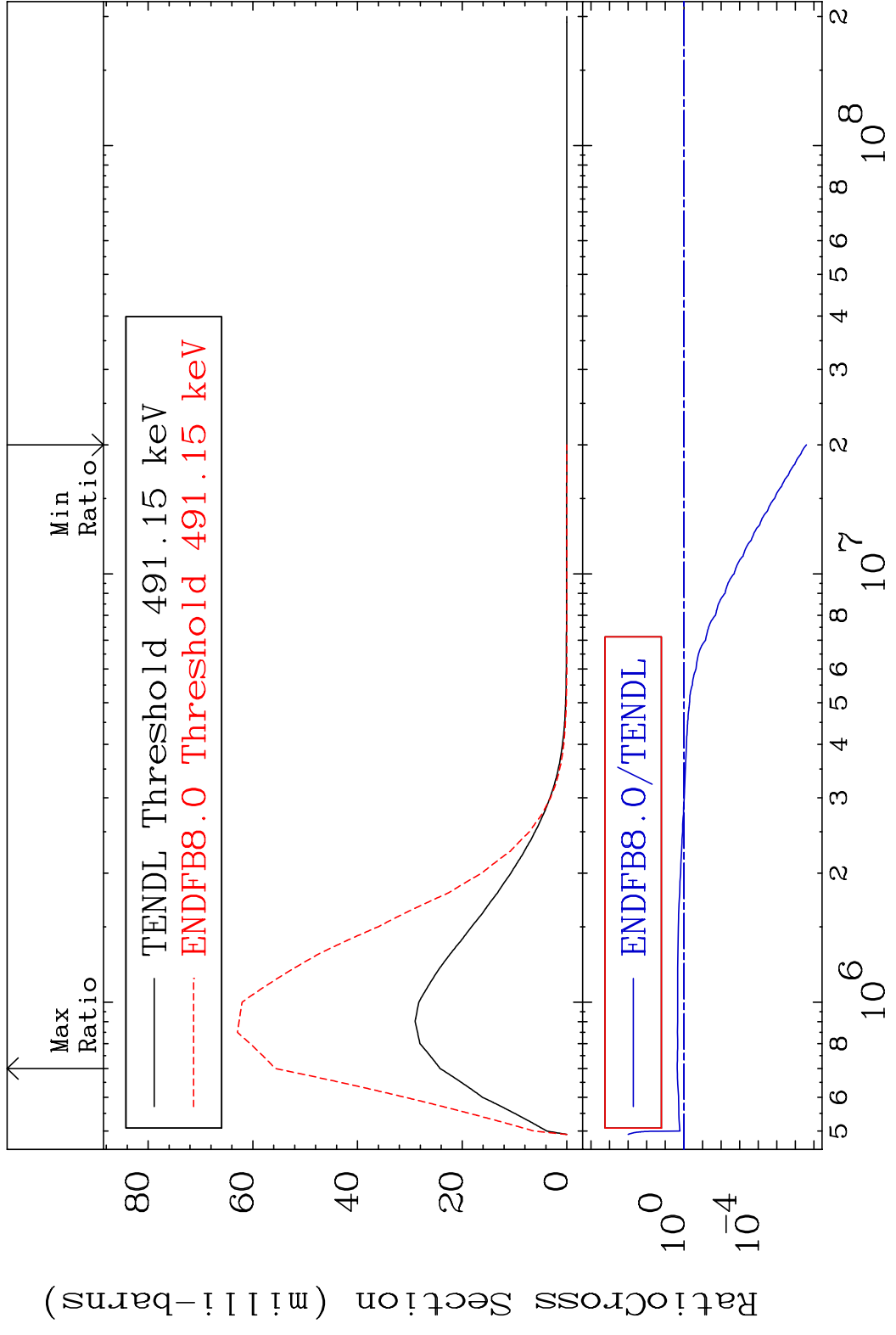
MAT 7428 MT= 58 (n, n') Level 74-W -181
 Cross Section -100.0 To 313.8 %



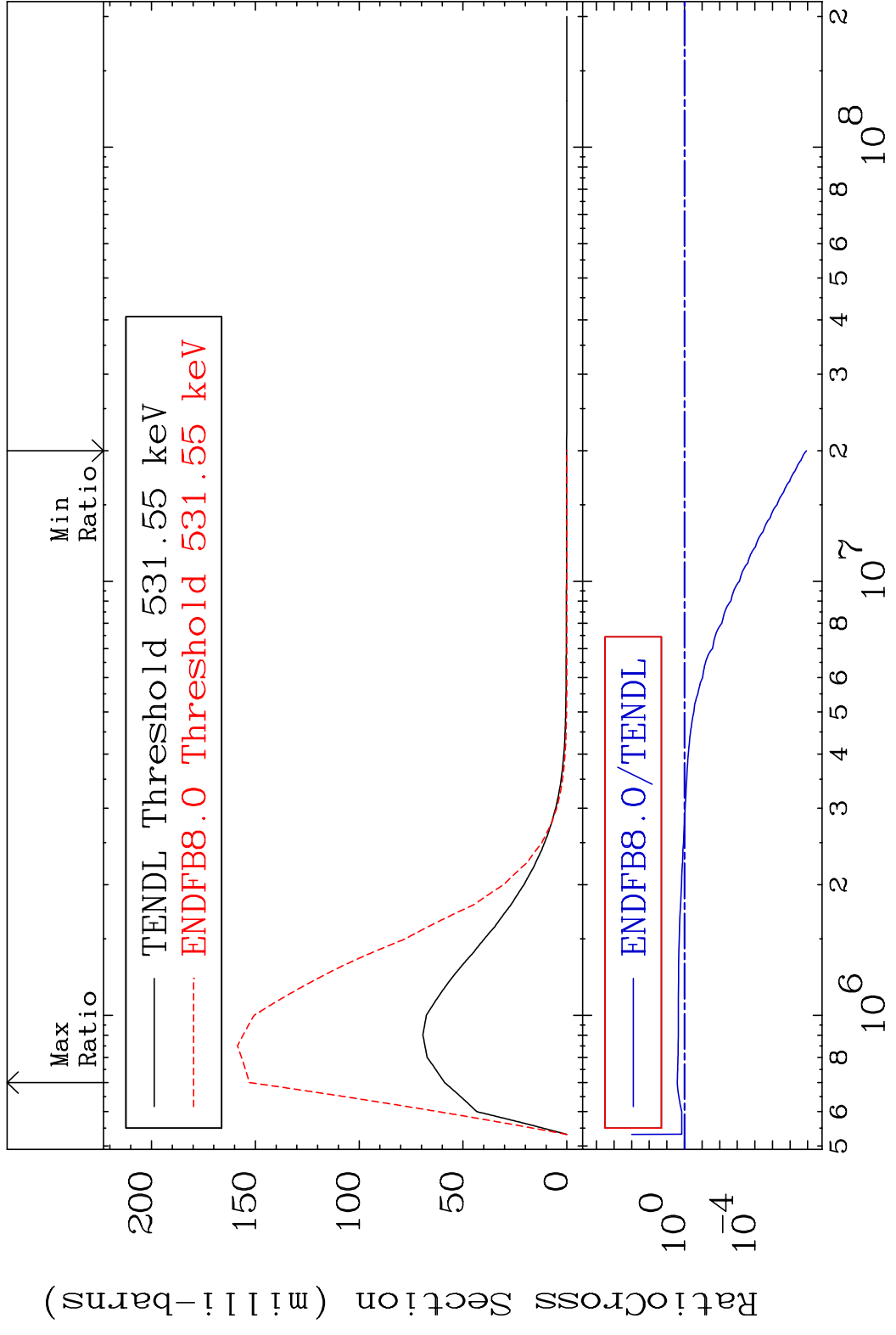
MAT 7428 MT= 59 (n, n') Level 74-W -181
 Cross Section -100.0 To 140.8 %



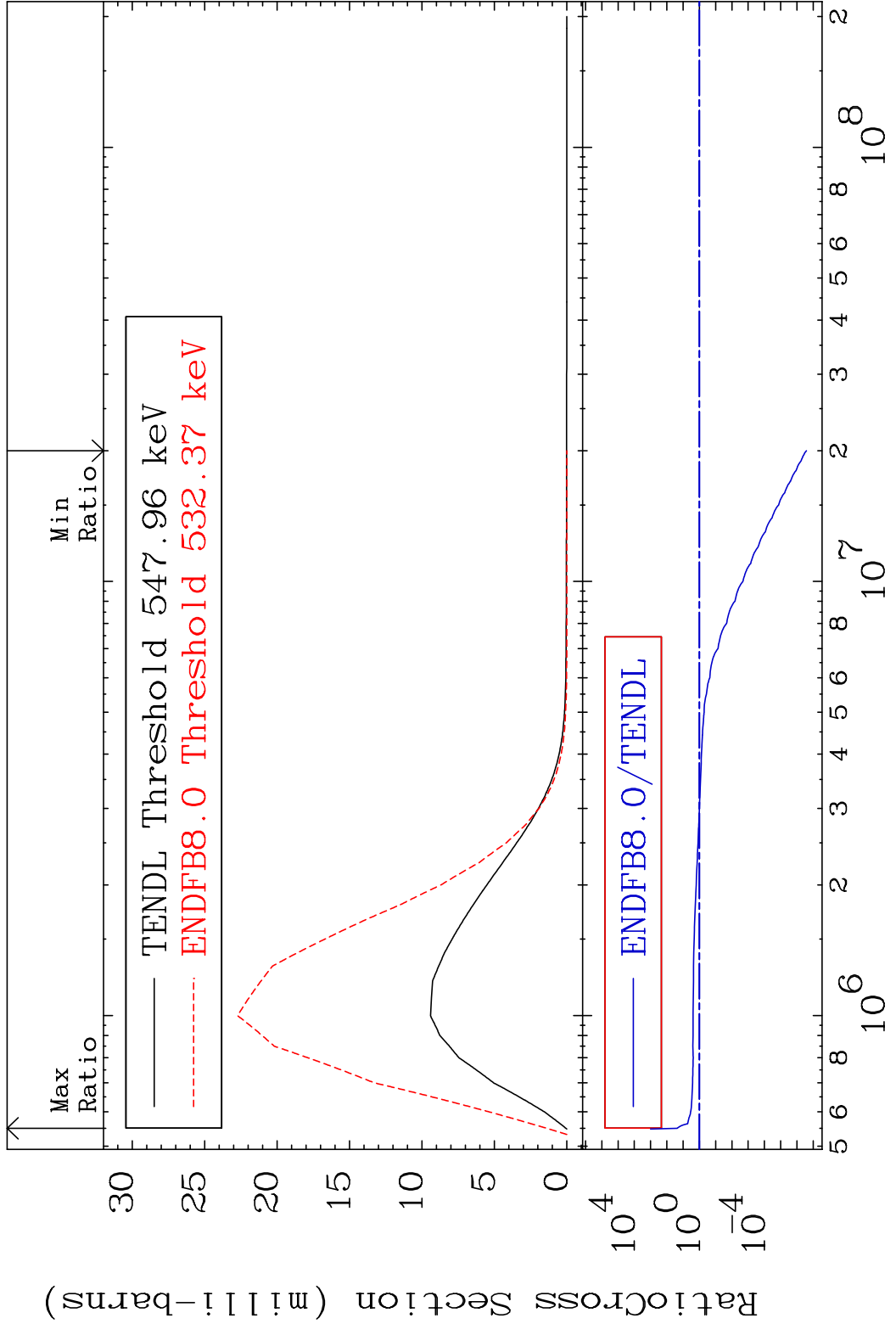
MAT 7428 MT= 60 (n, n') Level 74-W -181
 Cross Section -100.0 To 130.0 %



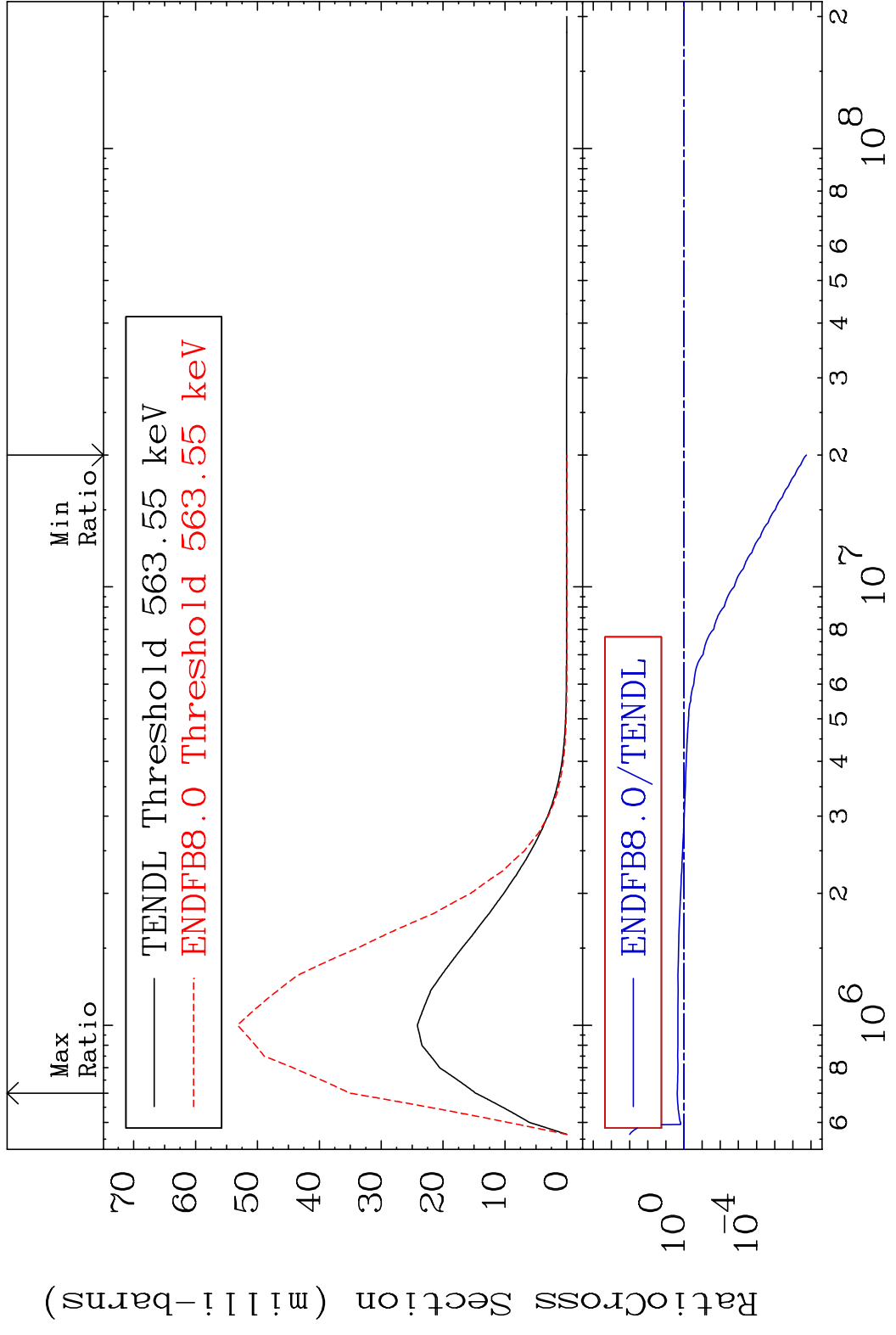
MAT 7428 MT= 61 (n, n') Level 74-W -181
 Cross Section -100.0 To 159.4 %



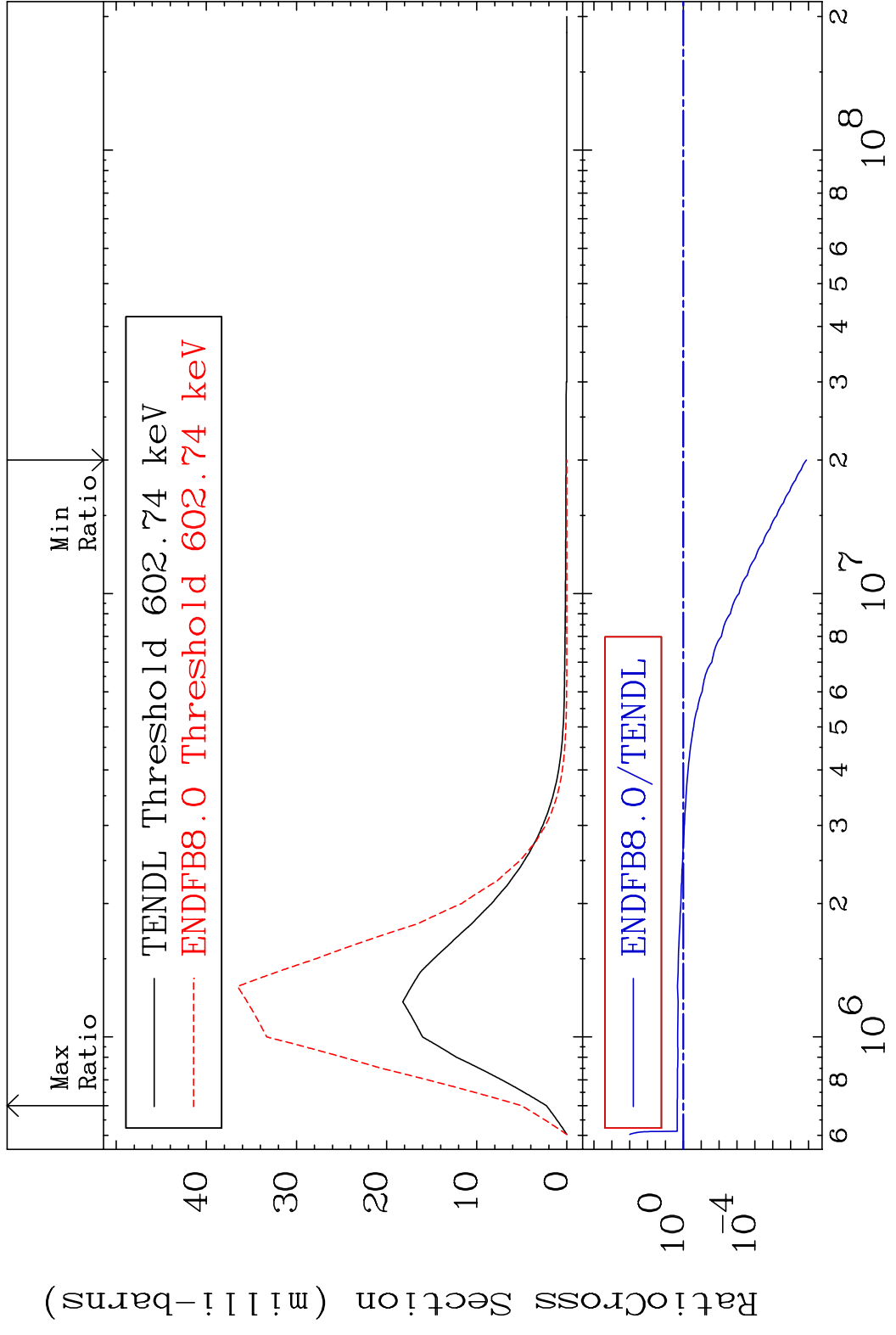
MAT 7428 MT= 62 (n, n') Level 74-W -181
 Cross Section -100.0 To 2209. %



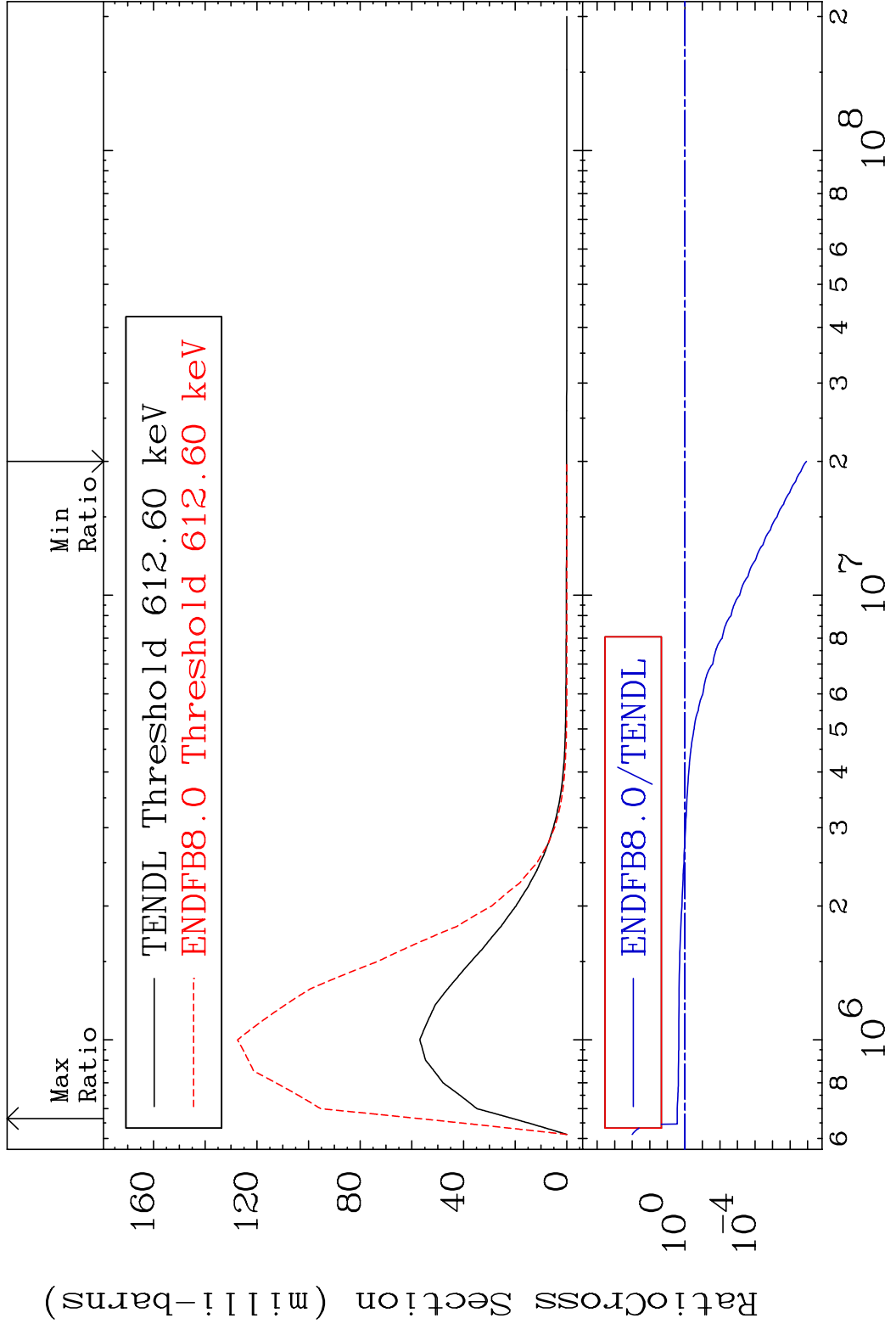
MAT 7428 MT= 63 (n, n') Level 74-W -181
 Cross Section -100.0 To 138.0 %



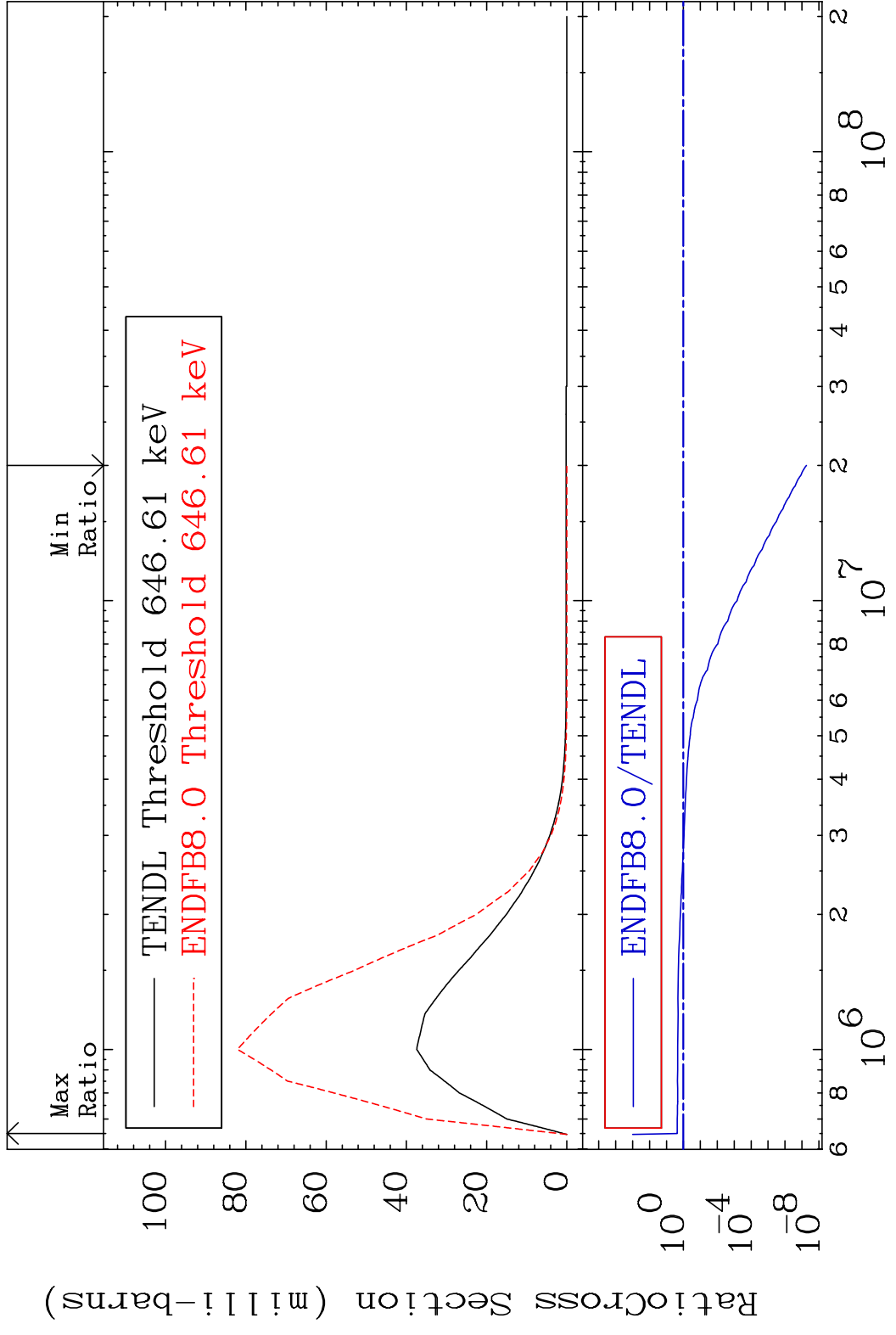
MAT 7428 MT= 64 (n, n') Level 74-W -181
 Cross Section -100.0 To 121.8 %



MAT 7428 MT= 65 (n, n') Level 74-W -181
 Cross Section -100.0 To 173.7 %

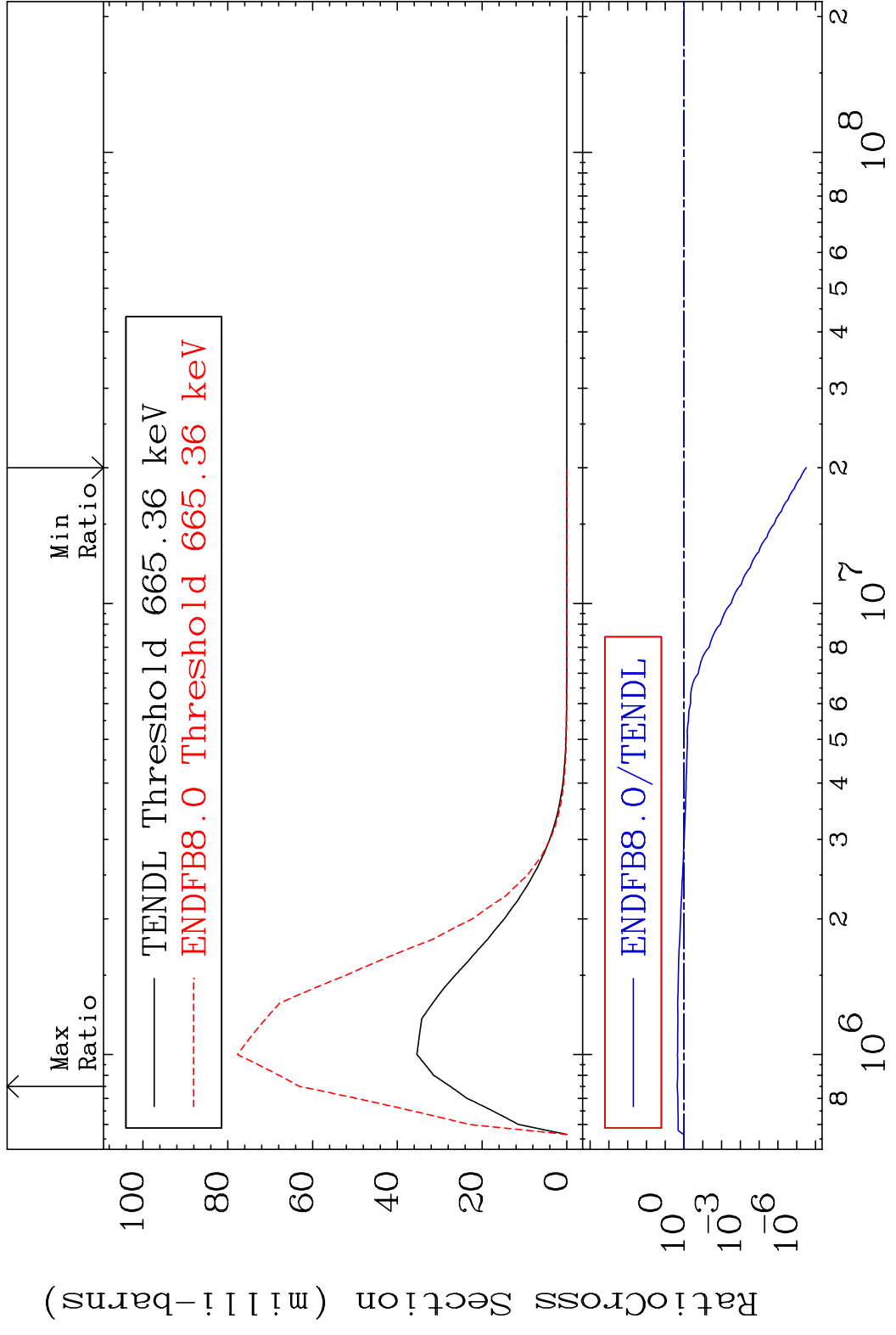


MAT 7428 MT= 66 (n, n') Level 74-W -181
 Cross Section -100.0 To 133.8 %

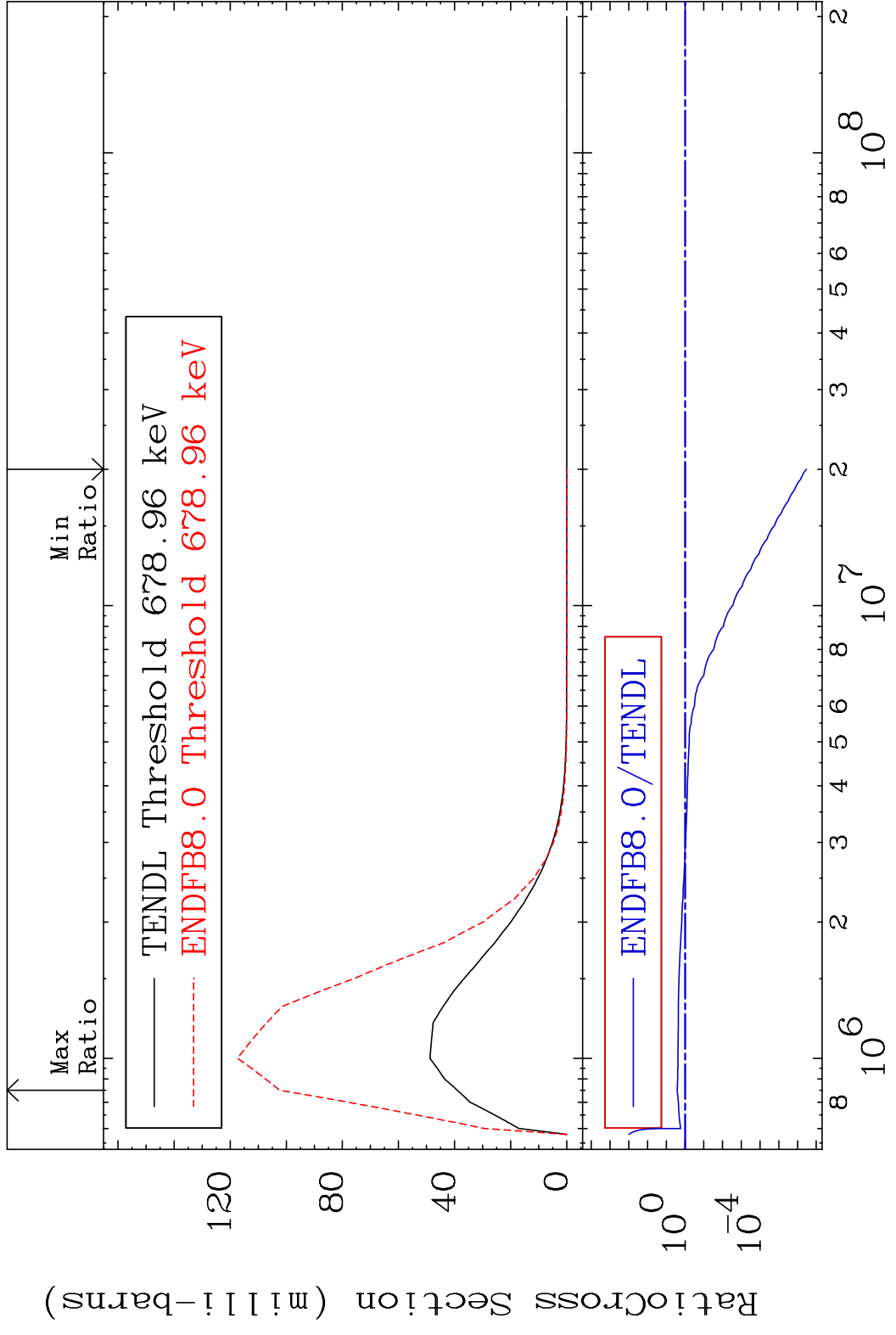


20 Incident Energy (eV) 74-W -181

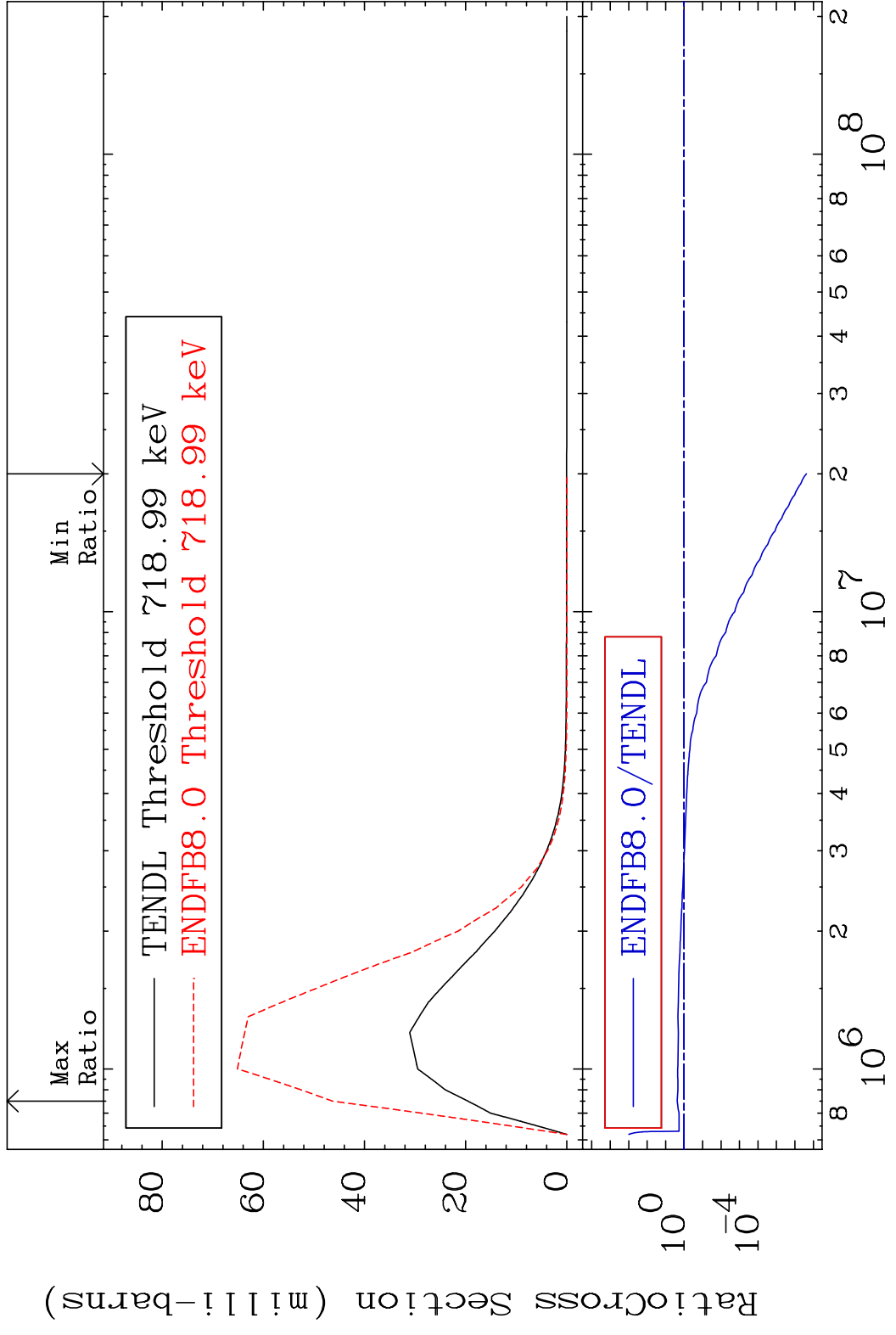
MAT 7428 MT= 67 (n, n') Level 74-W -181
 Cross Section -100.0 To 129.3 %



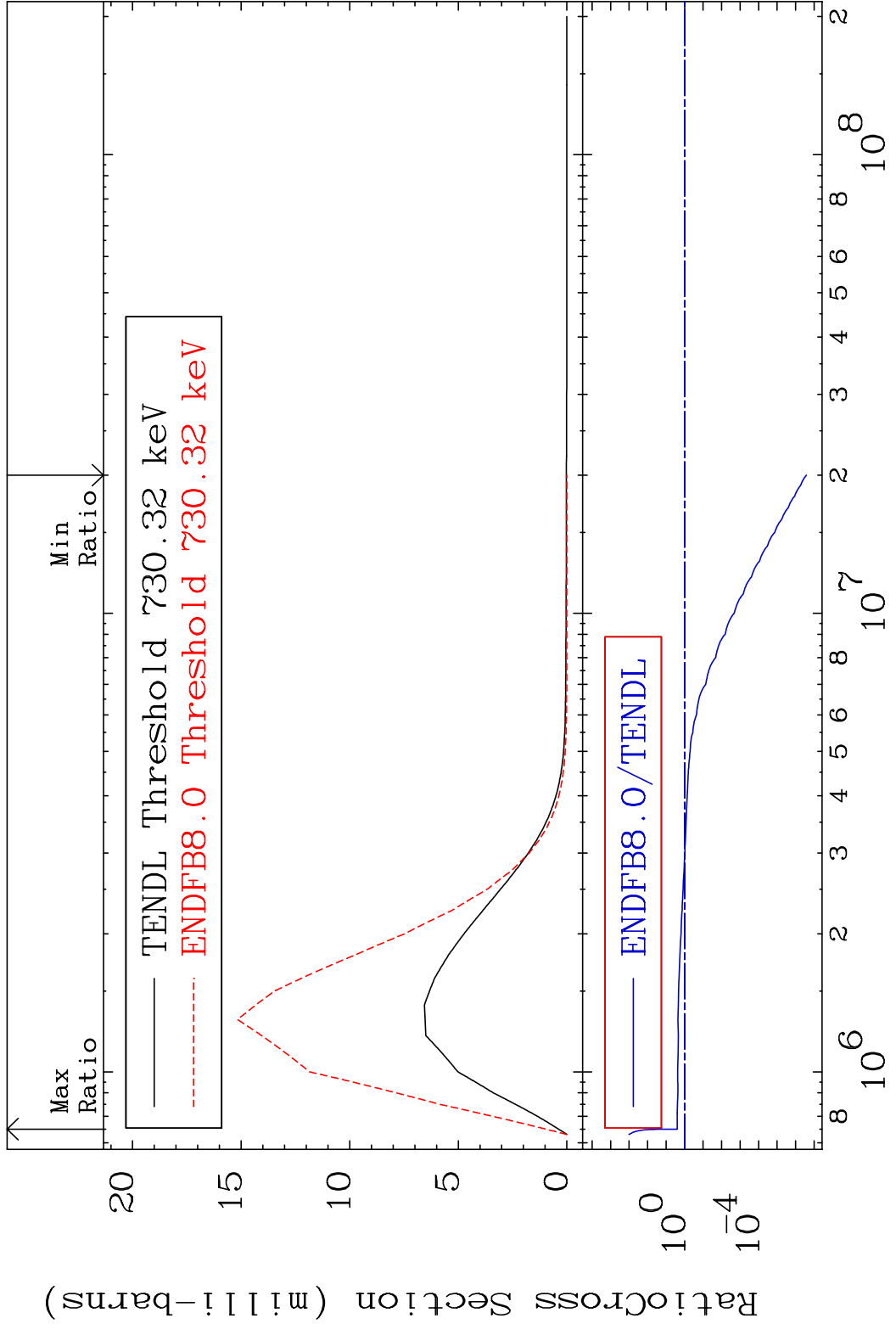
MAT 7428 MT= 68 (n, n') Level 74-W -181
 Cross Section -100.0 To 162.2 %



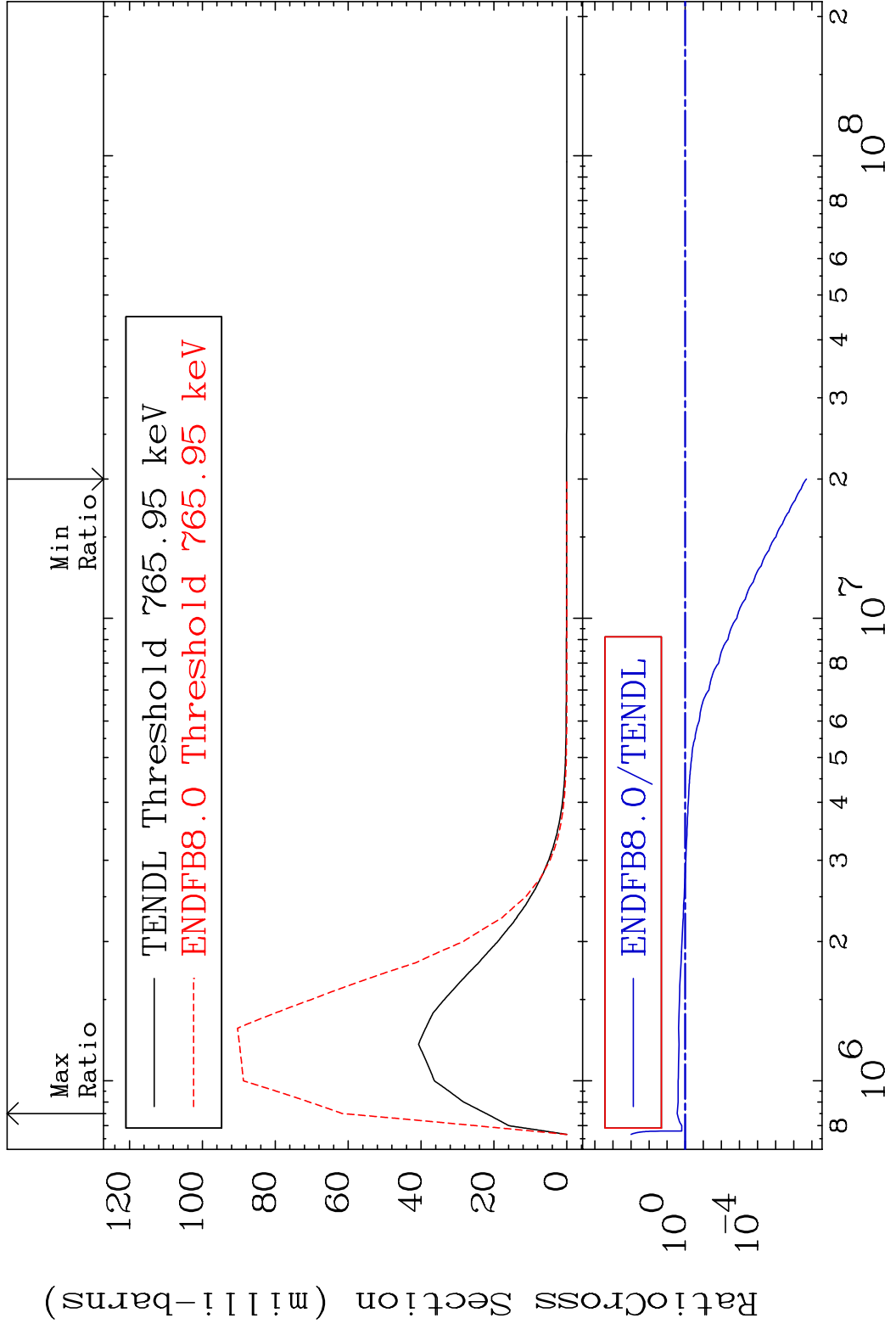
MAT 7428 MT= 69 (n, n') Level 74-W -181
 Cross Section -100.0 To 137.0 %



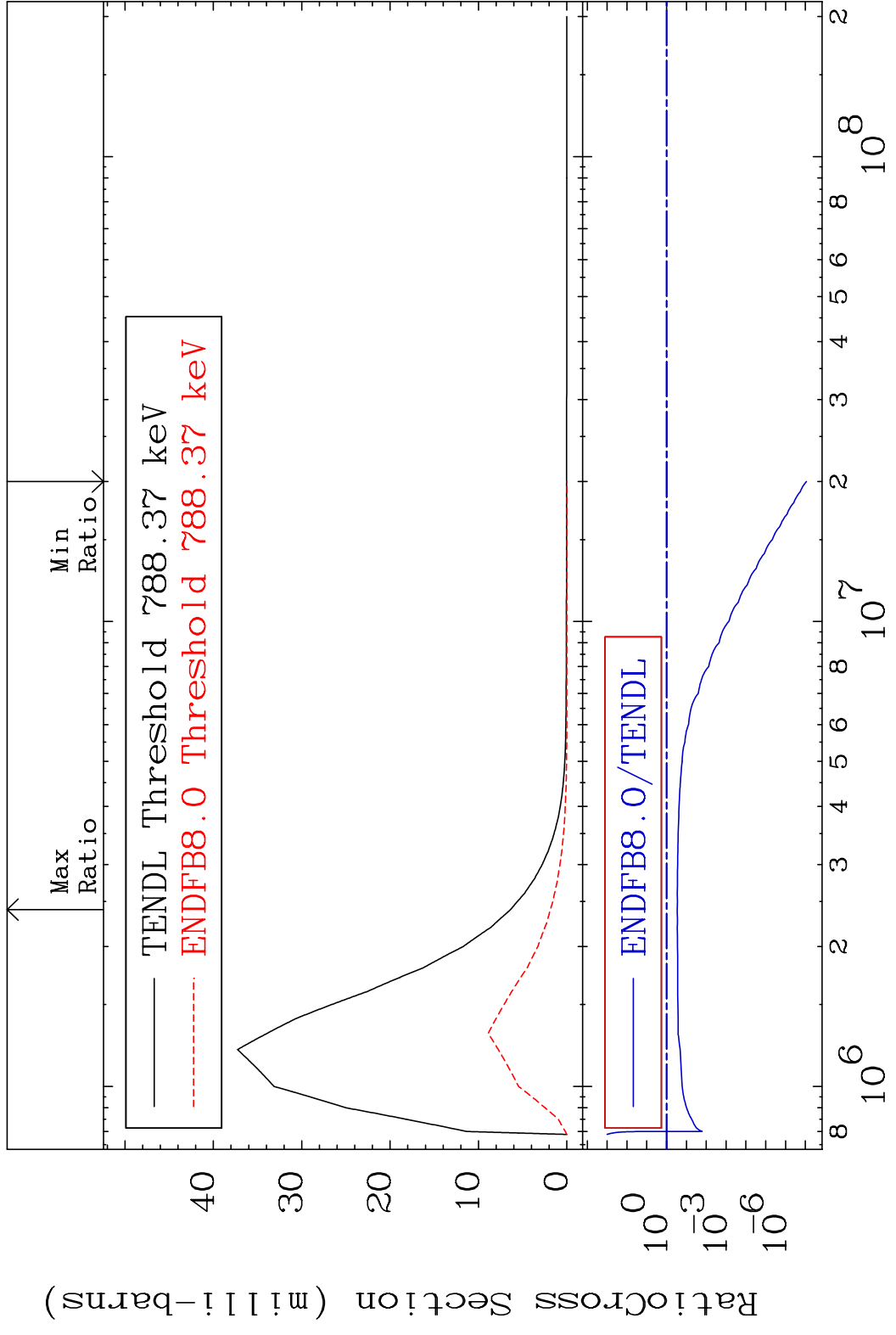
MAT 7428 MT= 70 (n, n') Level 74-W -181
 Cross Section -100.0 To 152.3 %



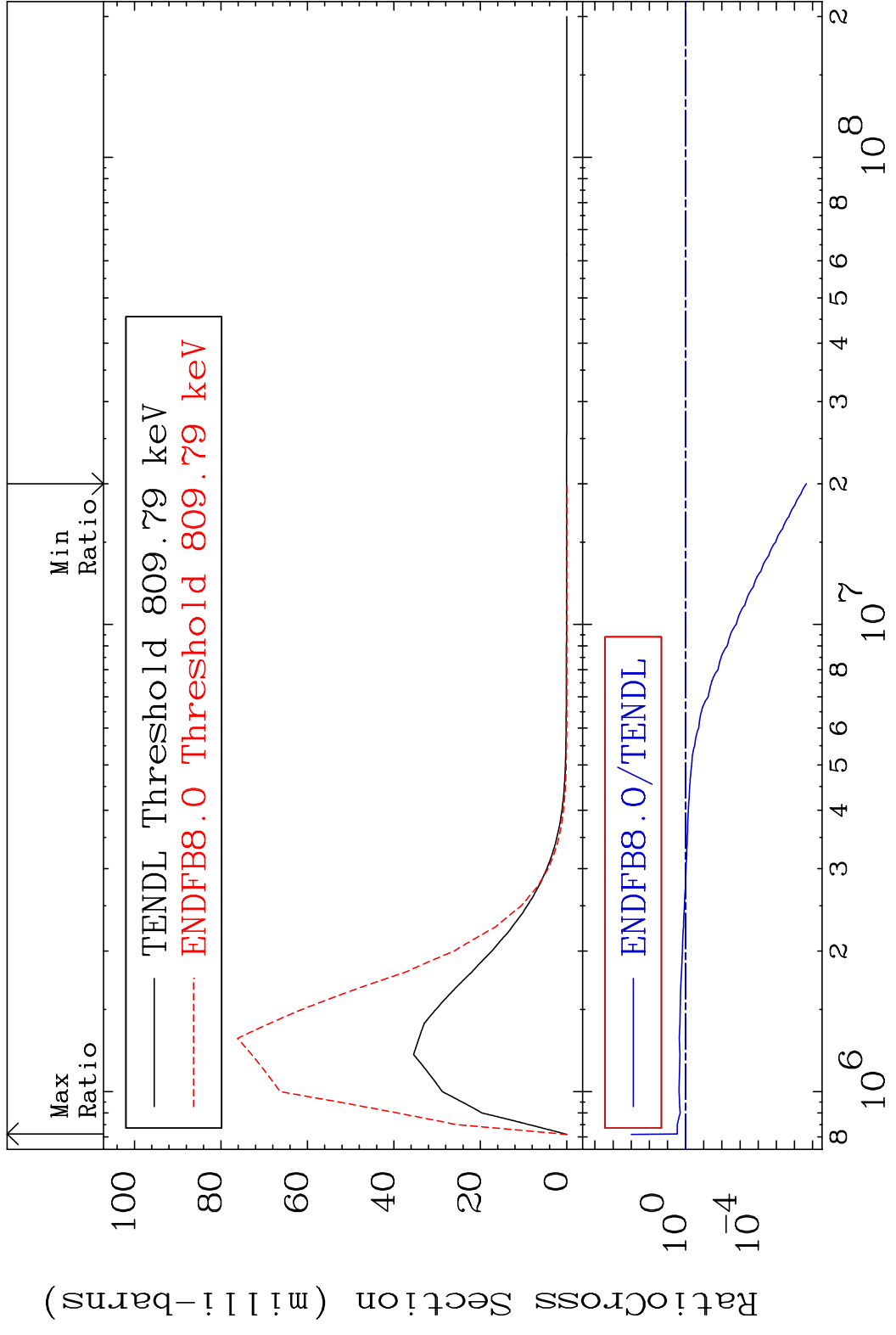
MAT 7428 MT= 71 (n, n') Level 74-W -181
 Cross Section -100.0 To 178.2 %



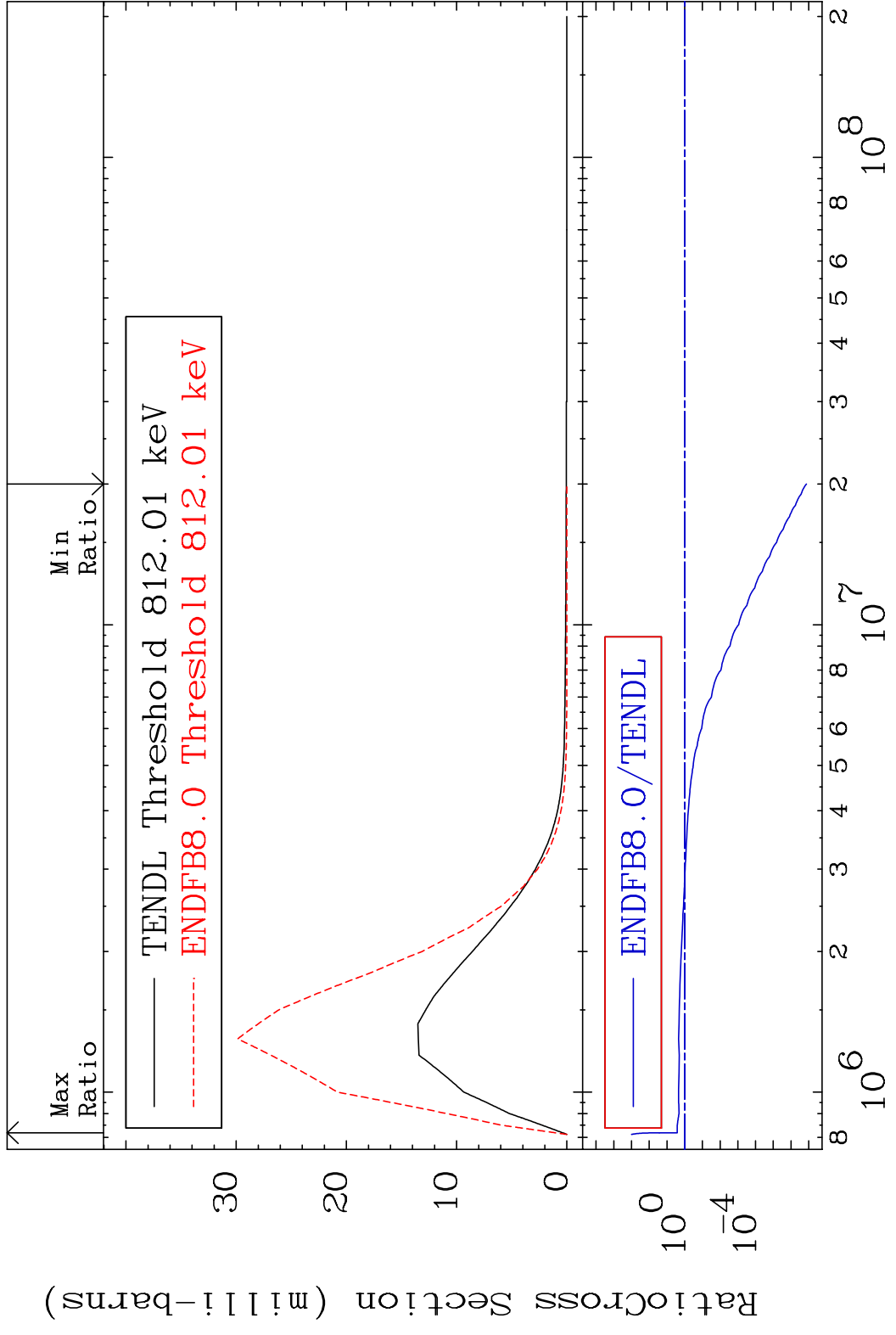
MAT 7428 MT= 72 (n,n') Level 74-W -181
 Cross Section -100.0 To -70.78%



MAT 7428 MT= 73 (n, n') Level 74-W -181
 Cross Section -100.0 To 192.2 %

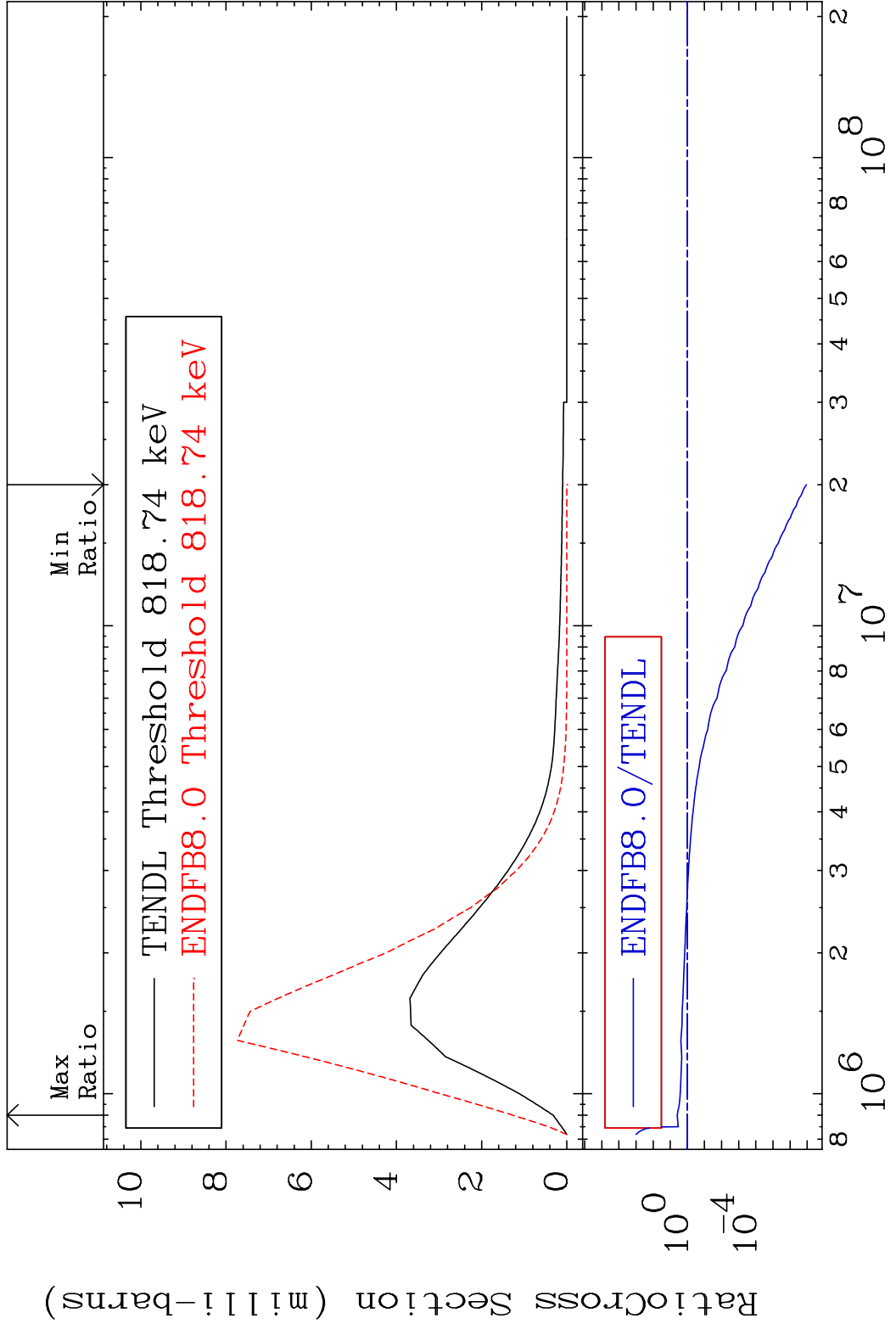


MAT 7428 MT= 74 (n, n') Level 74-W -181
 Cross Section -100.0 To 164.5 %



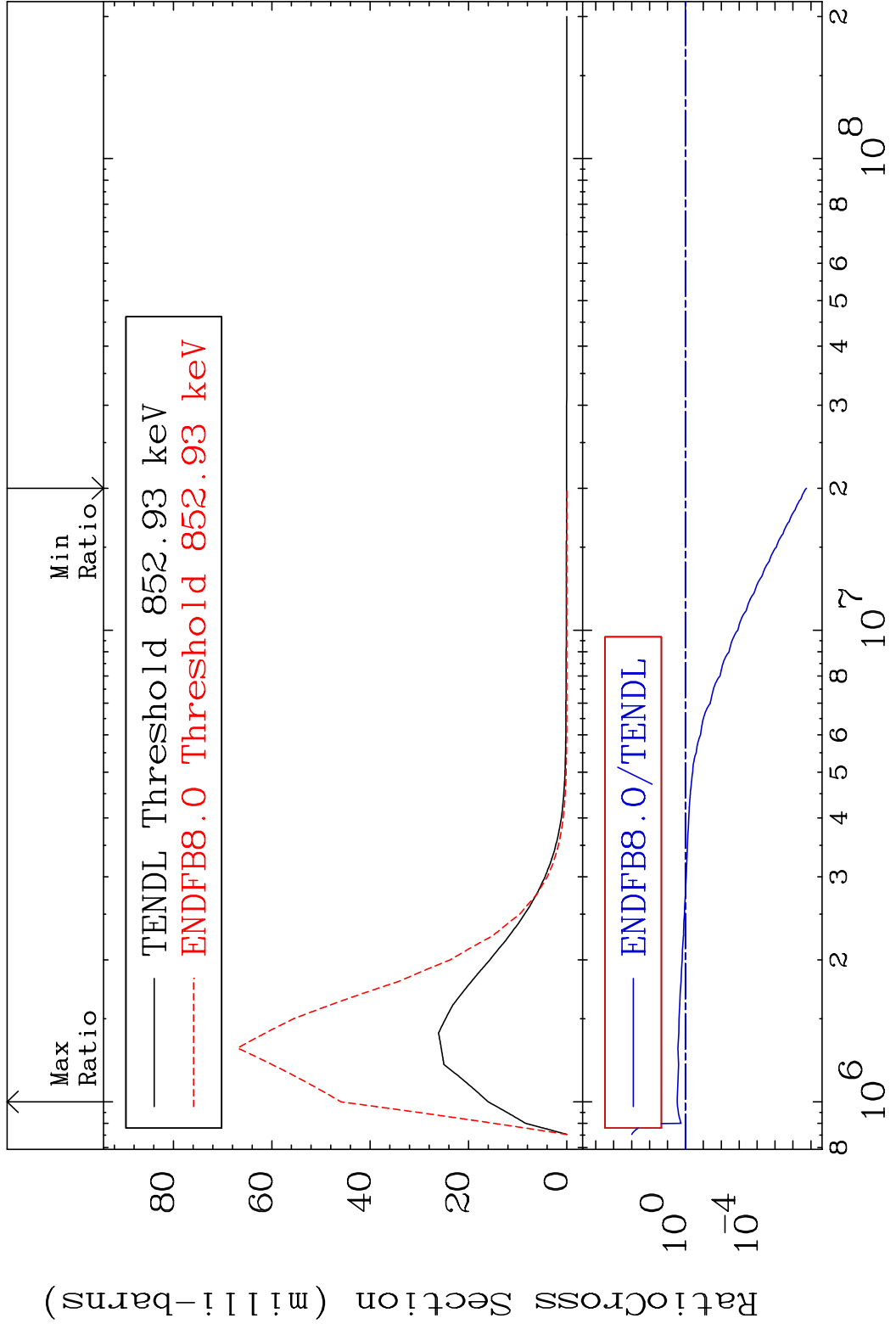
28 Incident Energy (eV) 74-W -181

MAT 7428 MT= 75 (n, n') Level 74-W -181
 Cross Section -100.0 To 293.6 %



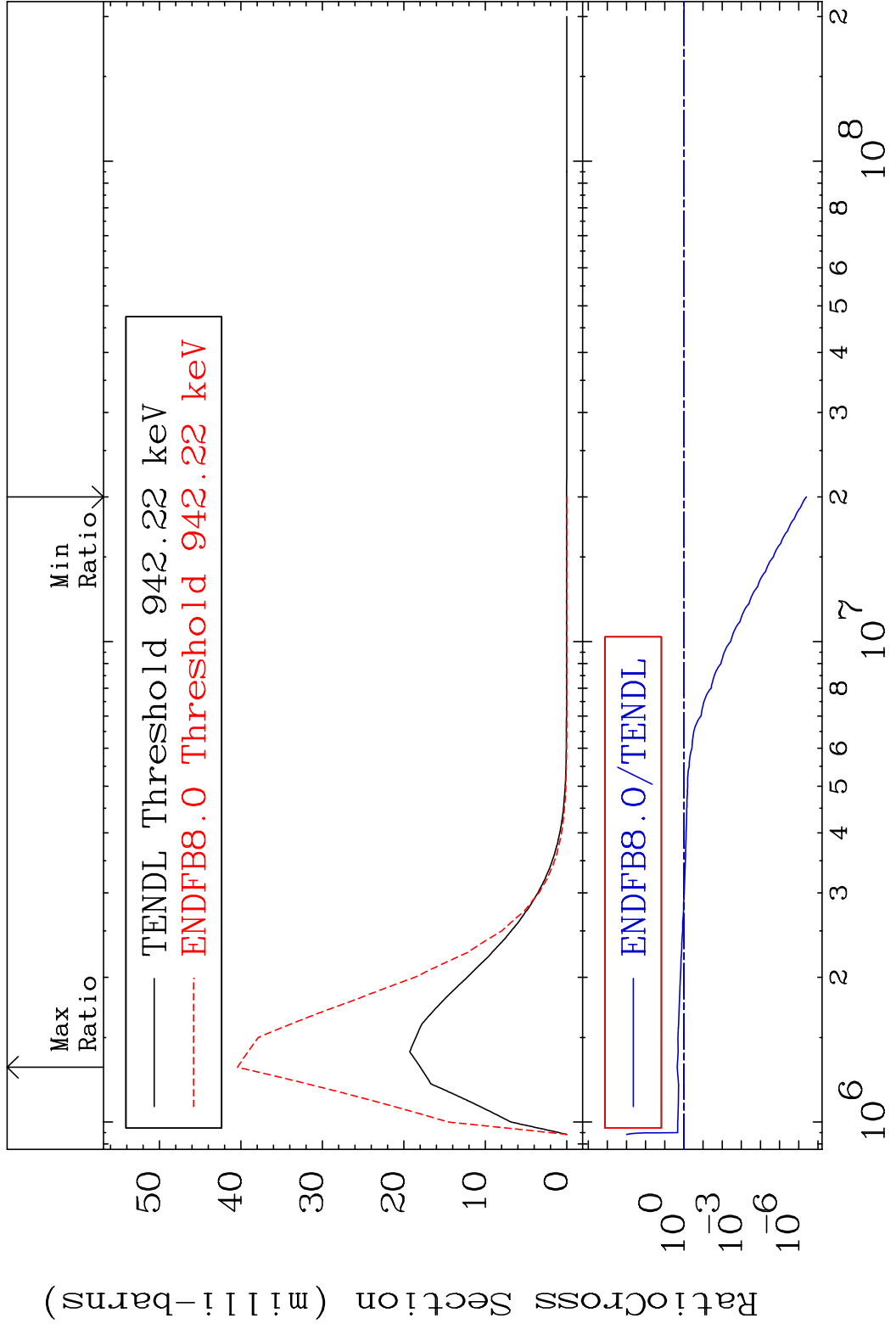
29 Incident Energy (eV) 74-W -181

MAT 7428 MT= 76 (n, n') Level 74-W -181
 Cross Section -100.0 To 187.0 %

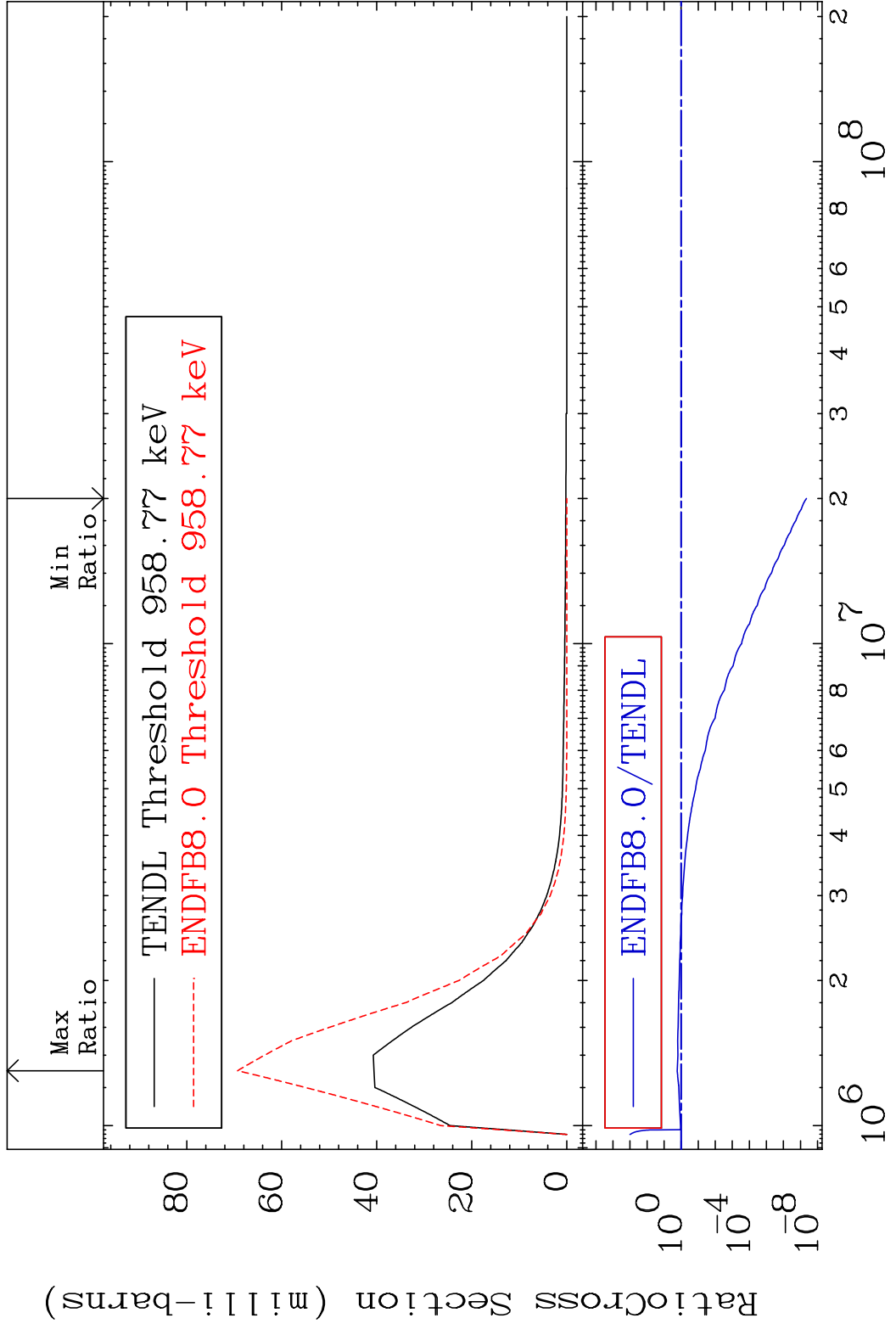


30 Incident Energy (eV) 74-W -181

MAT 7428 MT= 77 (n, n') Level 74-W -181
 Cross Section -100.0 To 124.8 %

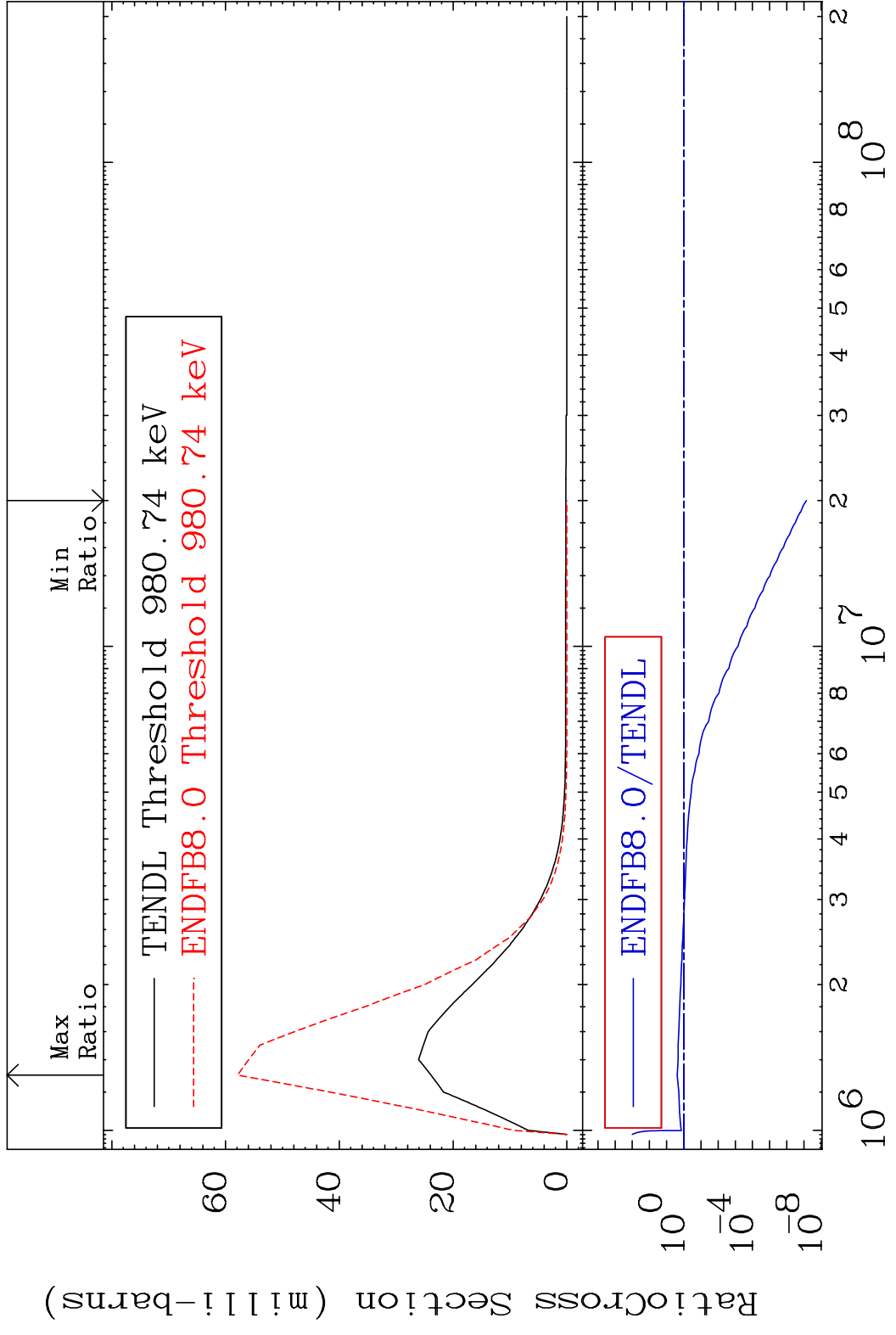


MAT 7428 MT= 78 (n, n') Level 74-W -181
 Cross Section -100.0 To 70.84 %



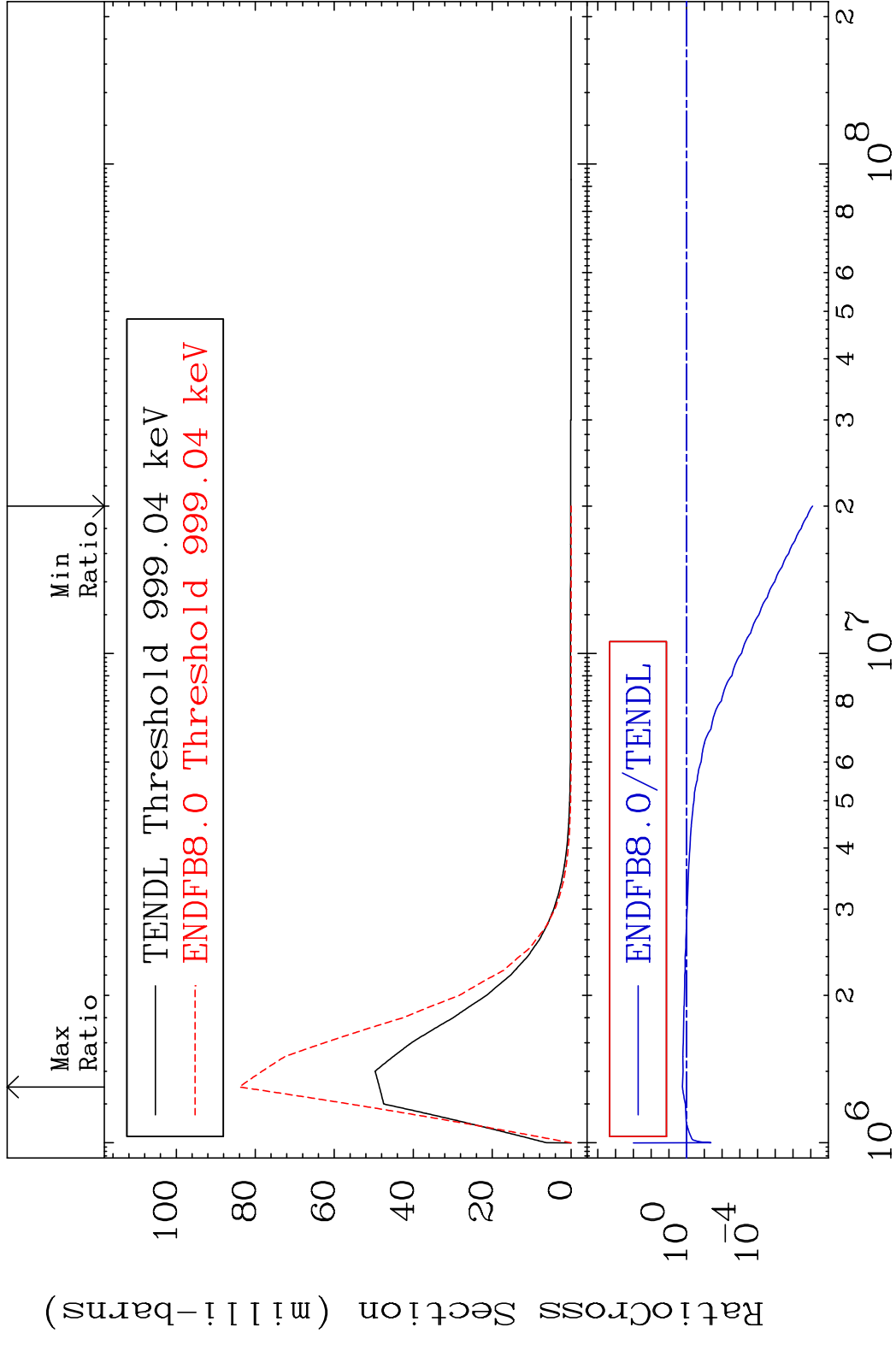
32 Incident Energy (eV) 74-W -181

MAT 7428 MT= 79 (n, n') Level 74-W -181
 Cross Section -100.0 To 142.5 %

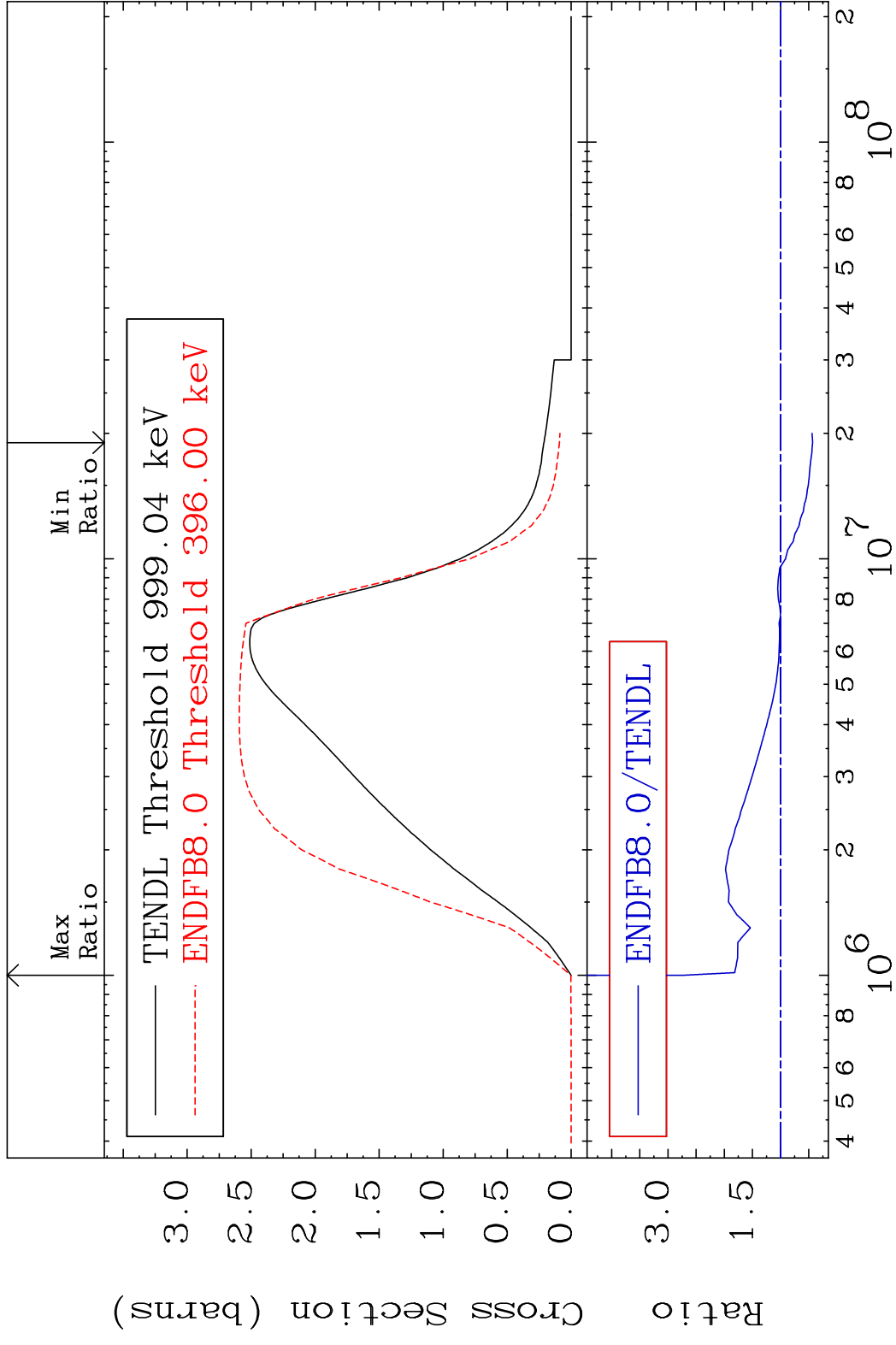


33 Incident Energy (eV) 74-W -181

MAT 7428 MT= 80 (n, n') Level 74-W -181
 Cross Section -100.0 To 73.03 %



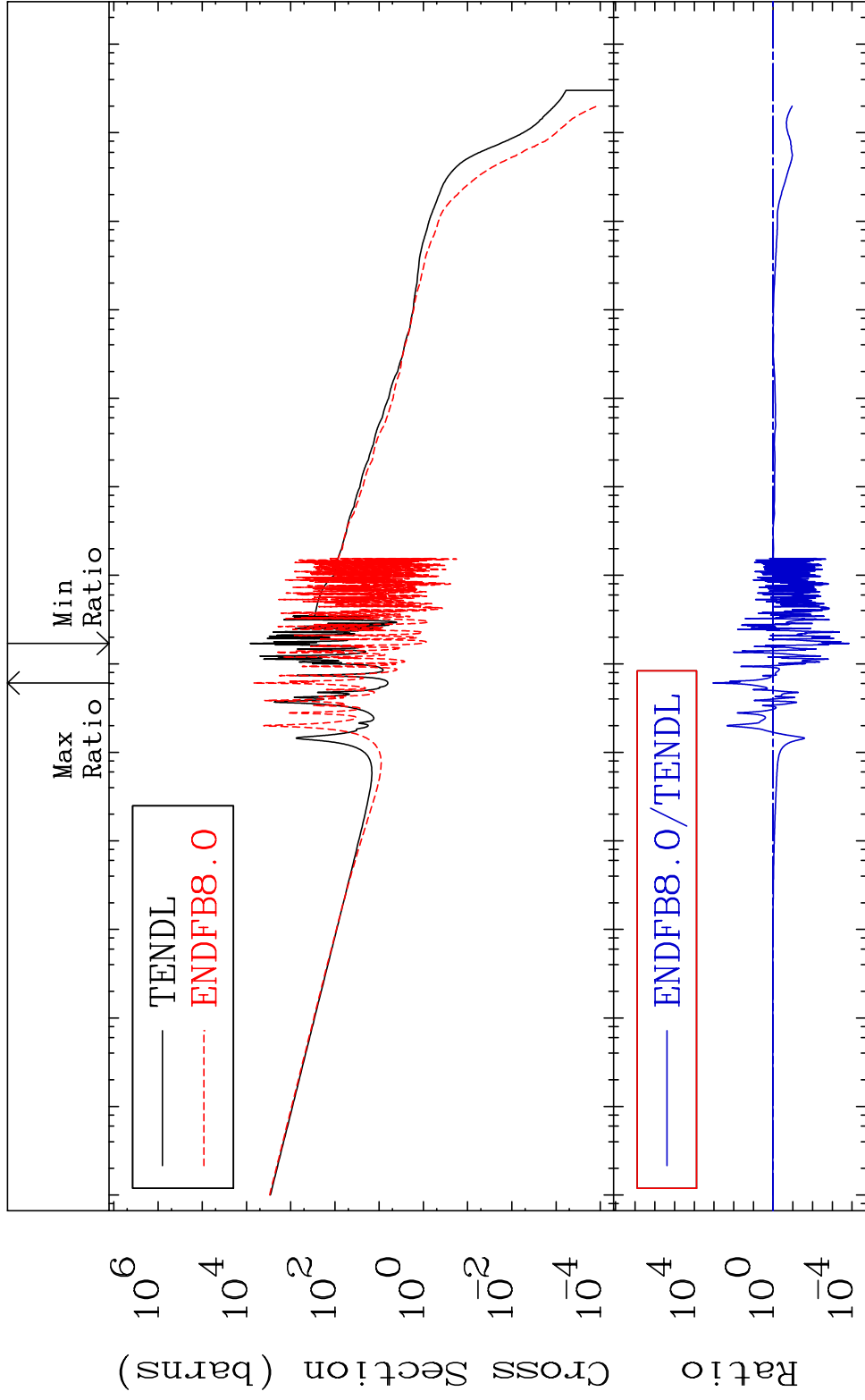
MAT 7428 (n, n') Continuum 74-W -181
 Cross Section -56.77 To 174.5 %



MAT 7428

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

74-W -181



36

Incident Energy (eV)

74-W -181

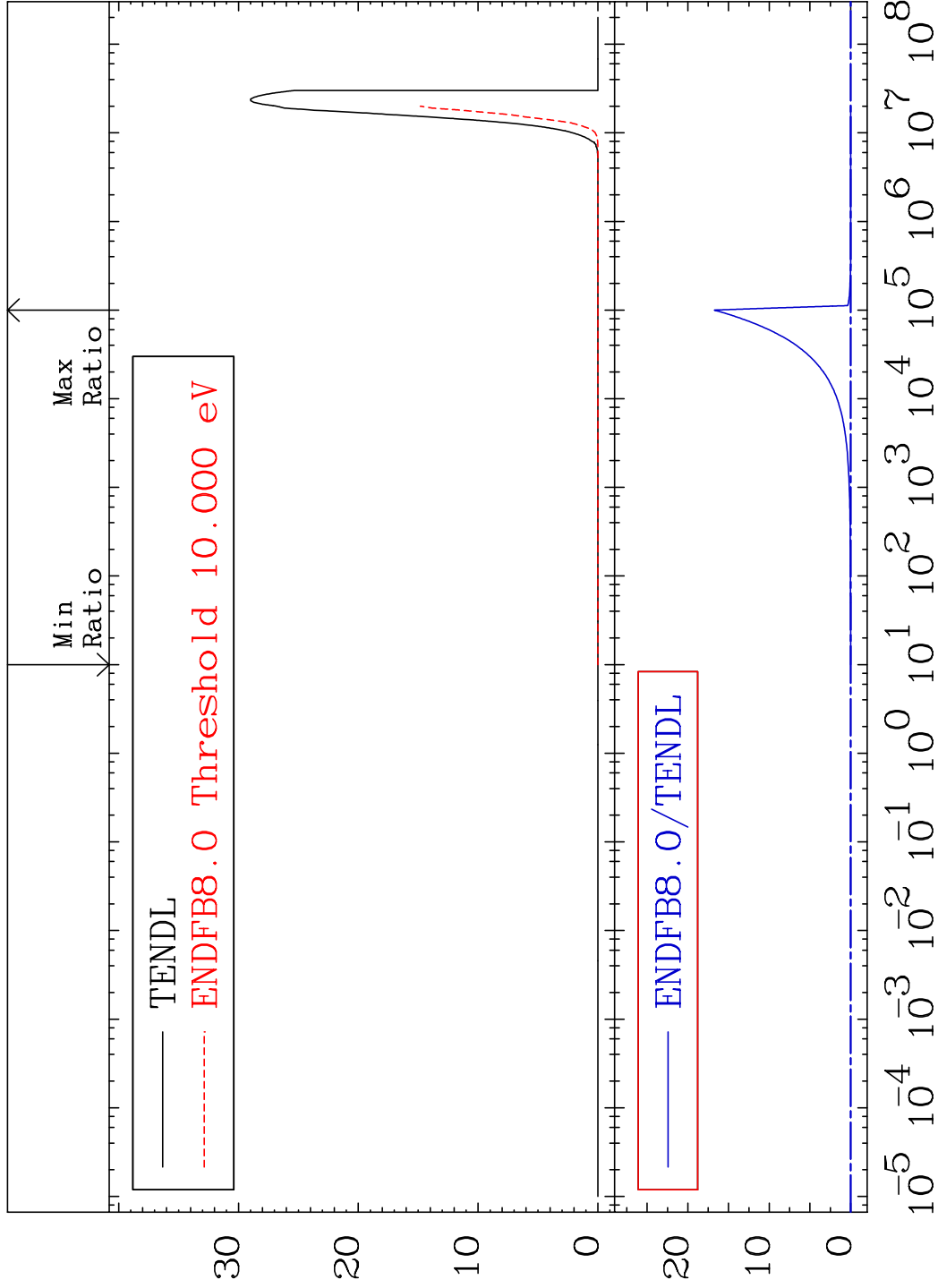
MAT 7428

(n, p)

74-W -181

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)



37

Incident Energy (eV)

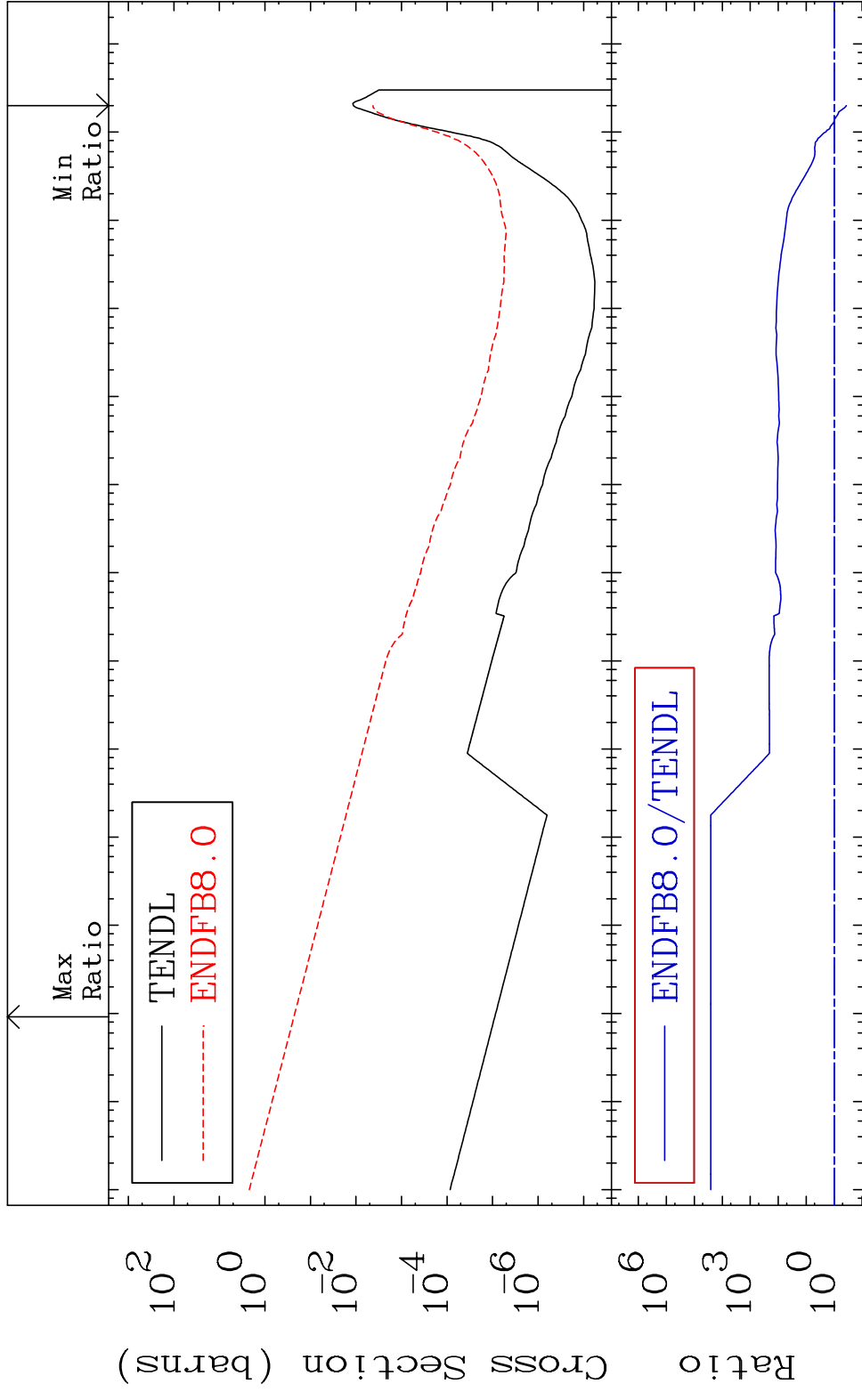
74-W -181

MAT 7428

(n, α)

74-W -181

Cross Section -63.15 To 9999. %



38

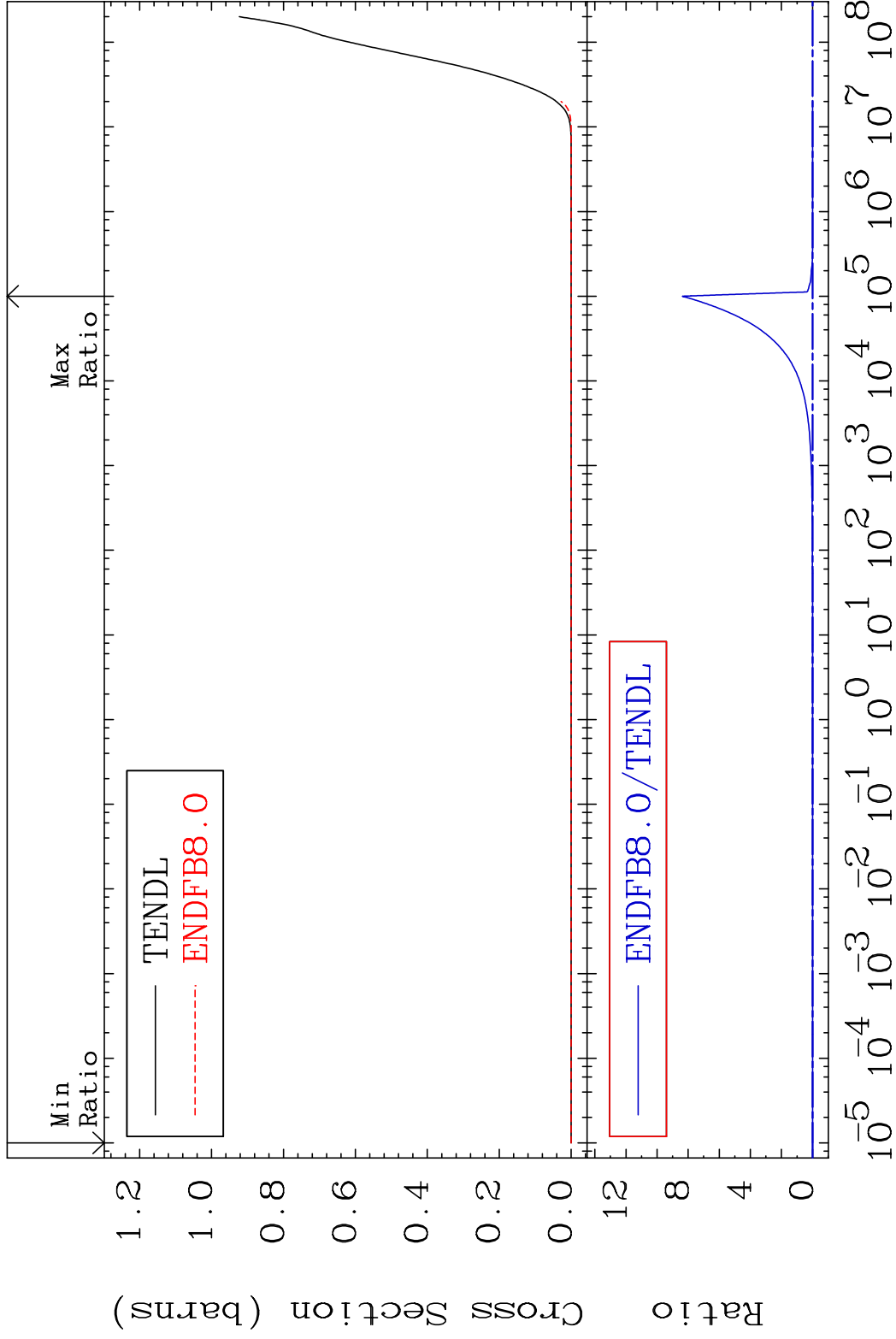
Incident Energy (eV)

74-W -181

MAT 7428

Hydrogen Production
Cross Section -100.0 To 9999. %

74-W -181



39

Incident Energy (eV)

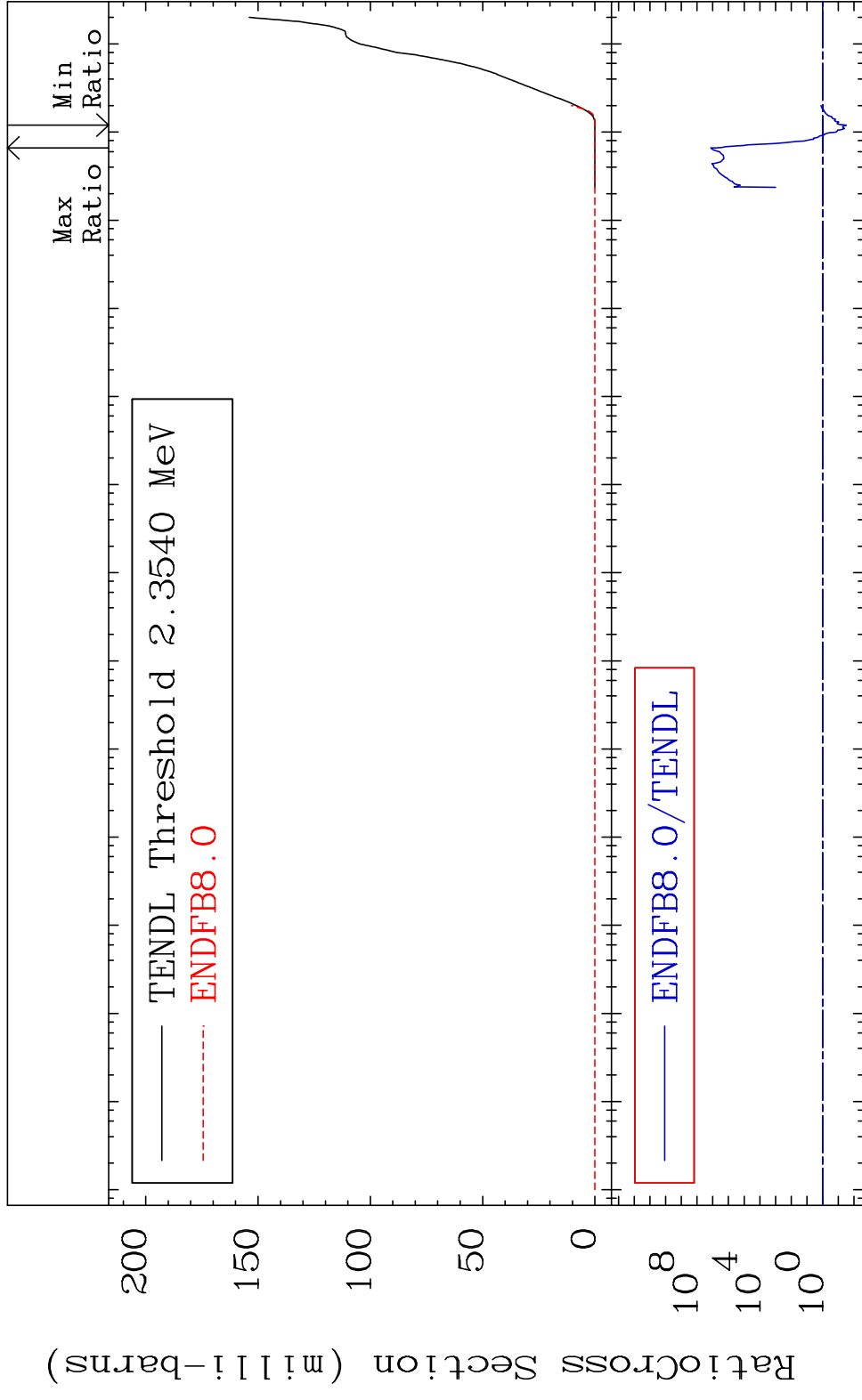
74-W -181

MAT 7428

Deuterium Production

74-W -181

Cross Section -96.90 To 9999. %



40

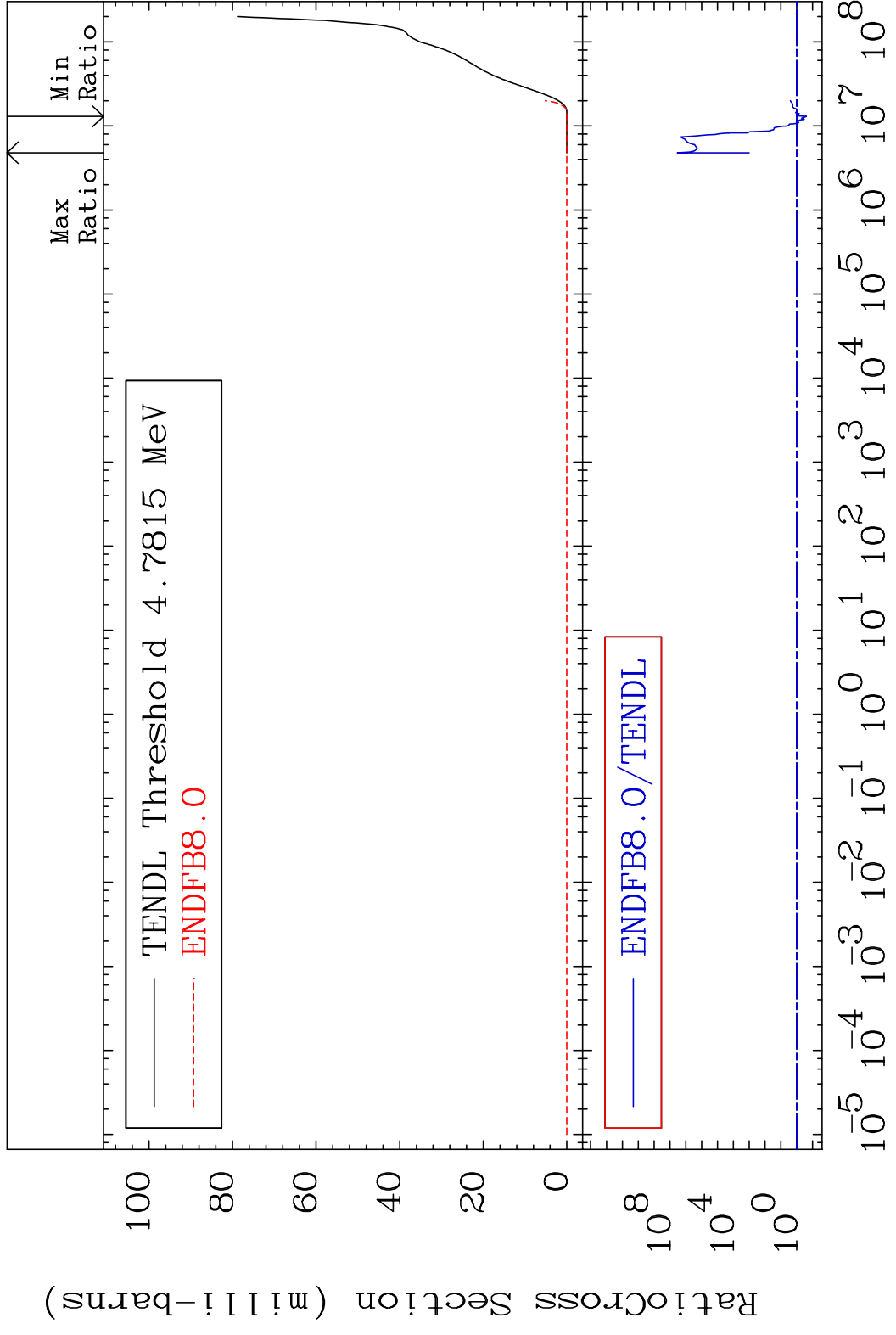
Incident Energy (eV)

74-W -181

MAT 7428

Tritium Production
Cross Section -75.34 To 9999. %

74-W -181

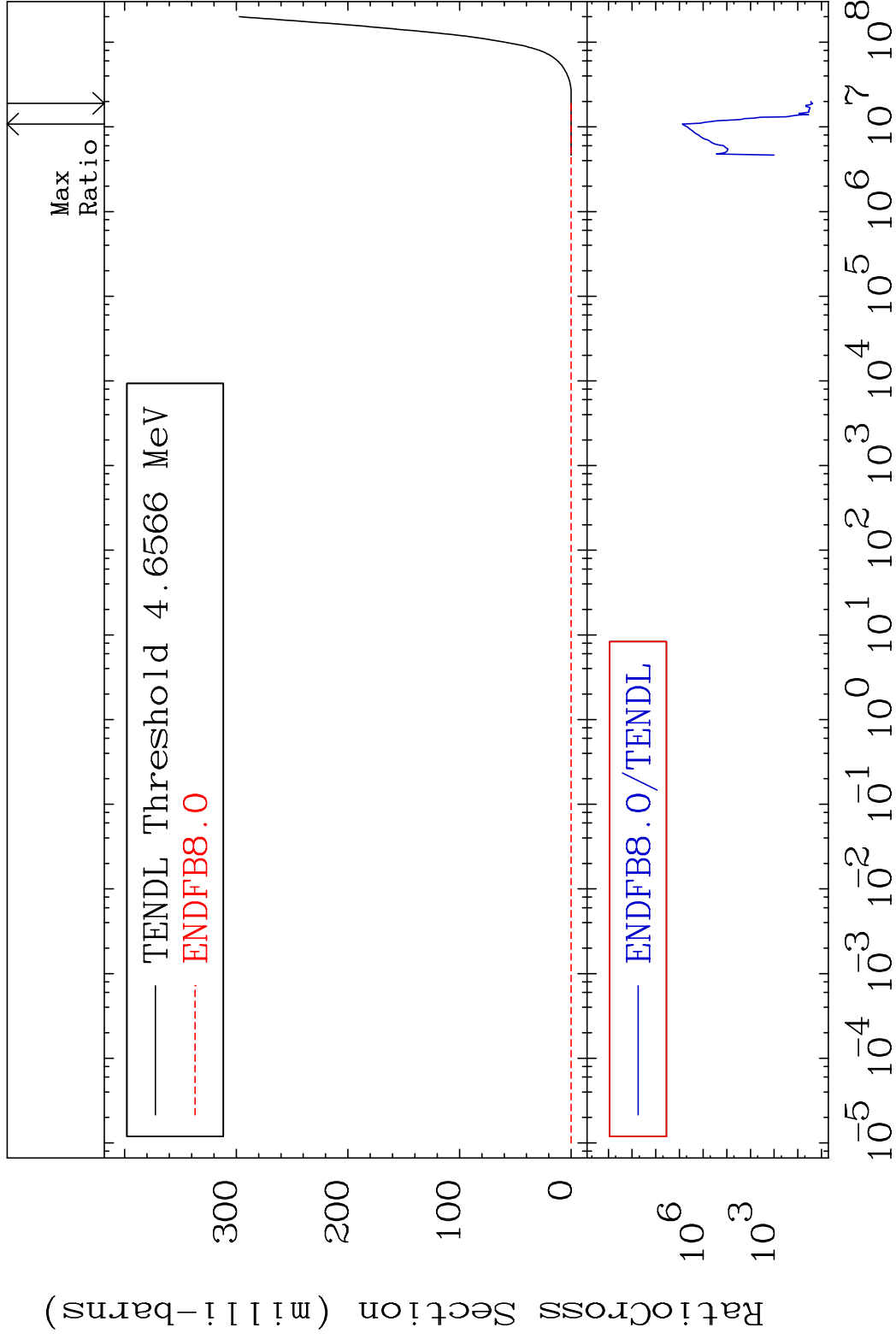


MAT 7428

He-3 Production

74-W -181

Cross Section 2288. To 9999. %



42

Incident Energy (eV)

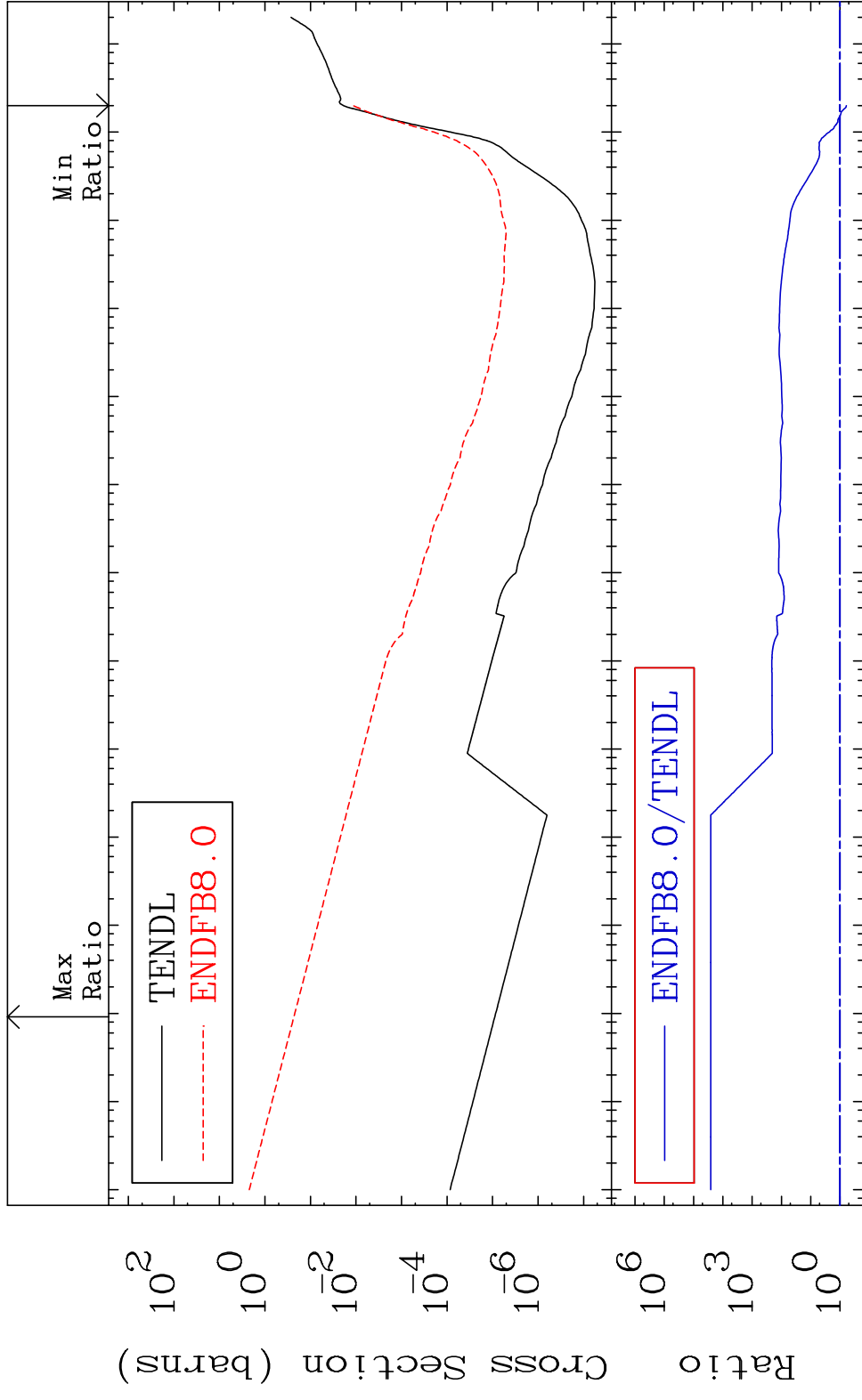
74-W -181

MAT 7428

He-4 Production

74-W -181

Cross Section -39.07 To 9999. %



10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁶
10³
10⁰

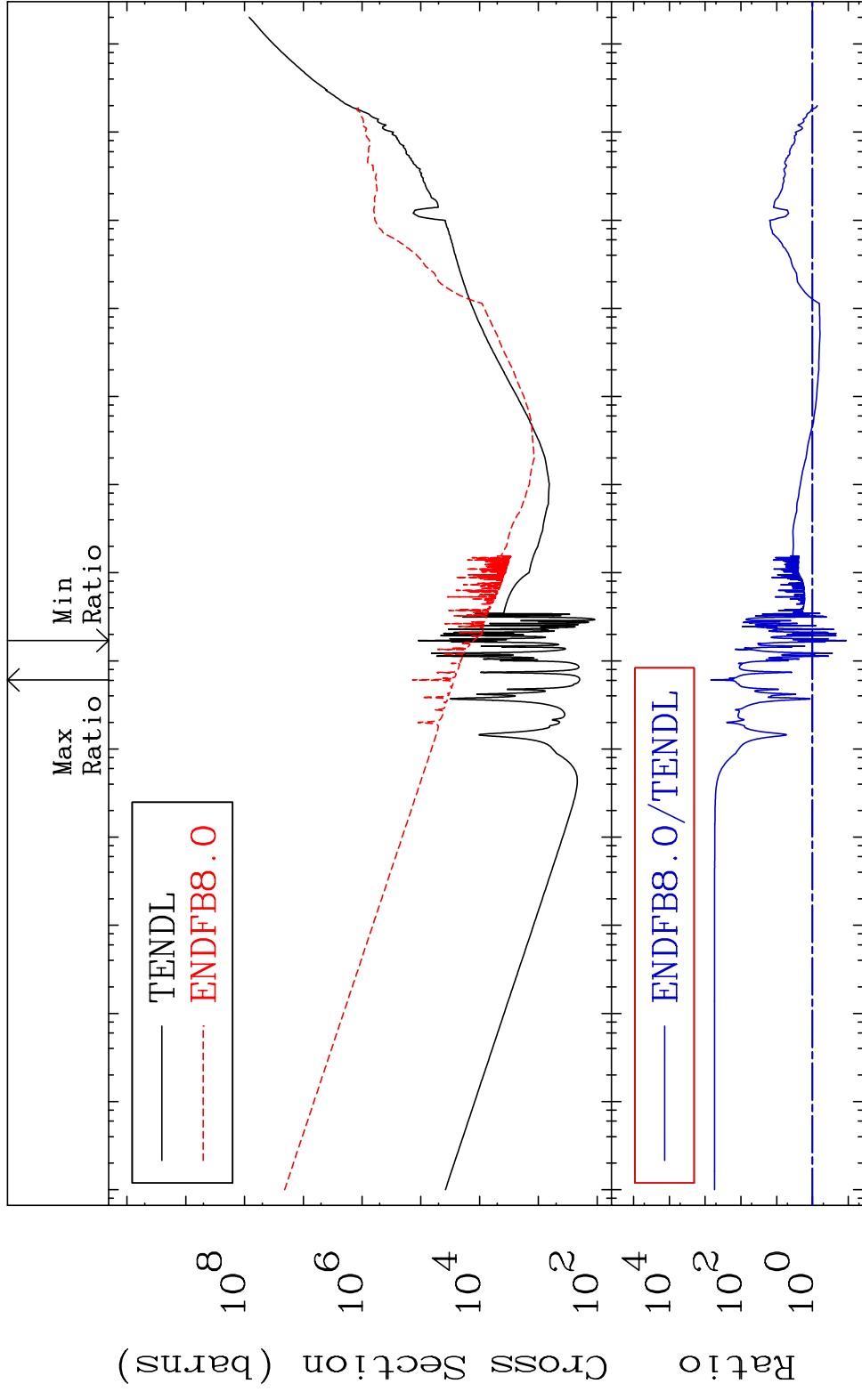
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

43

Incident Energy (eV)

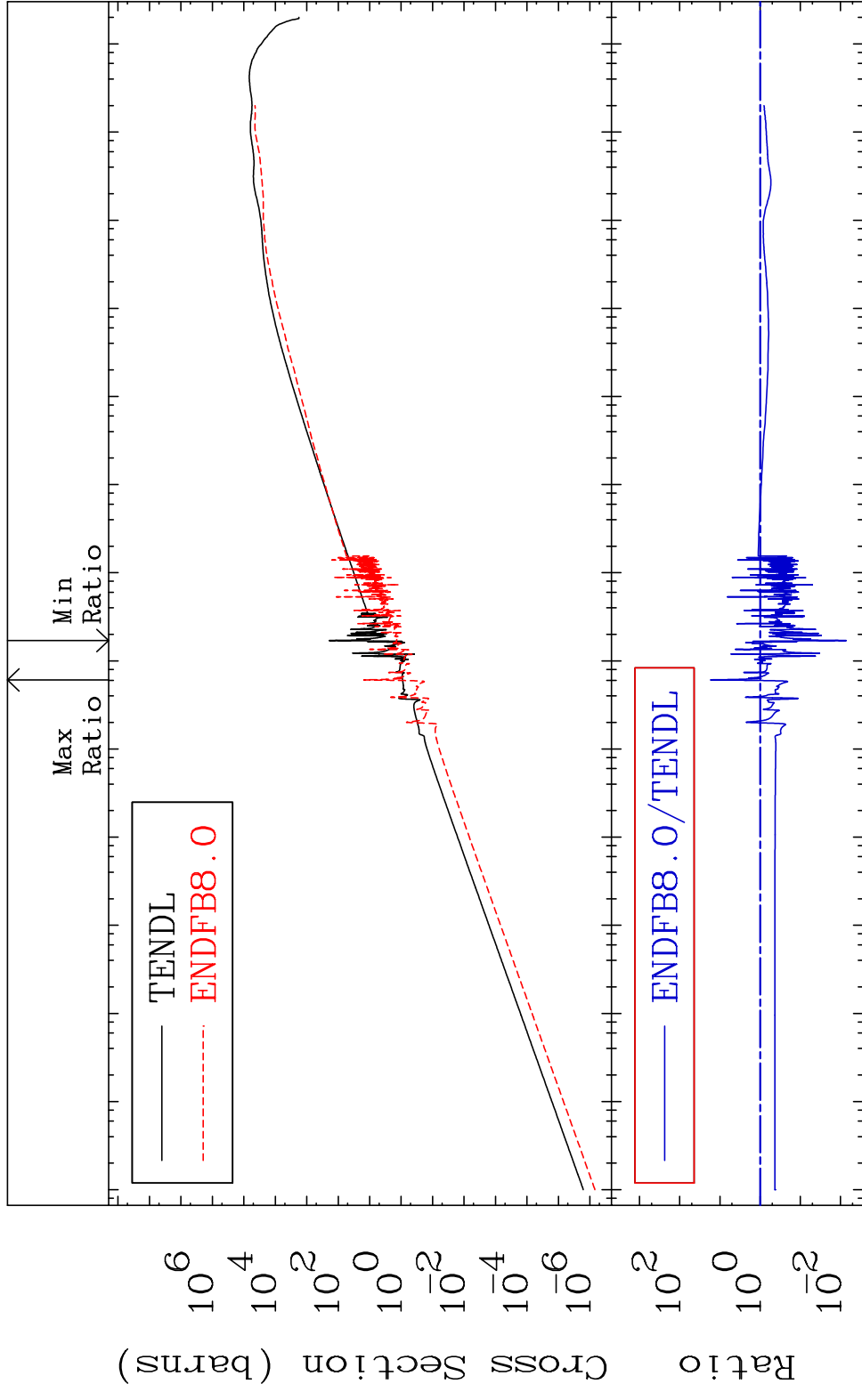
74-W -181

MAT 7428 Kerma total (eV-barns) 74-W -181
 Cross Section -88.64 To 9999. %

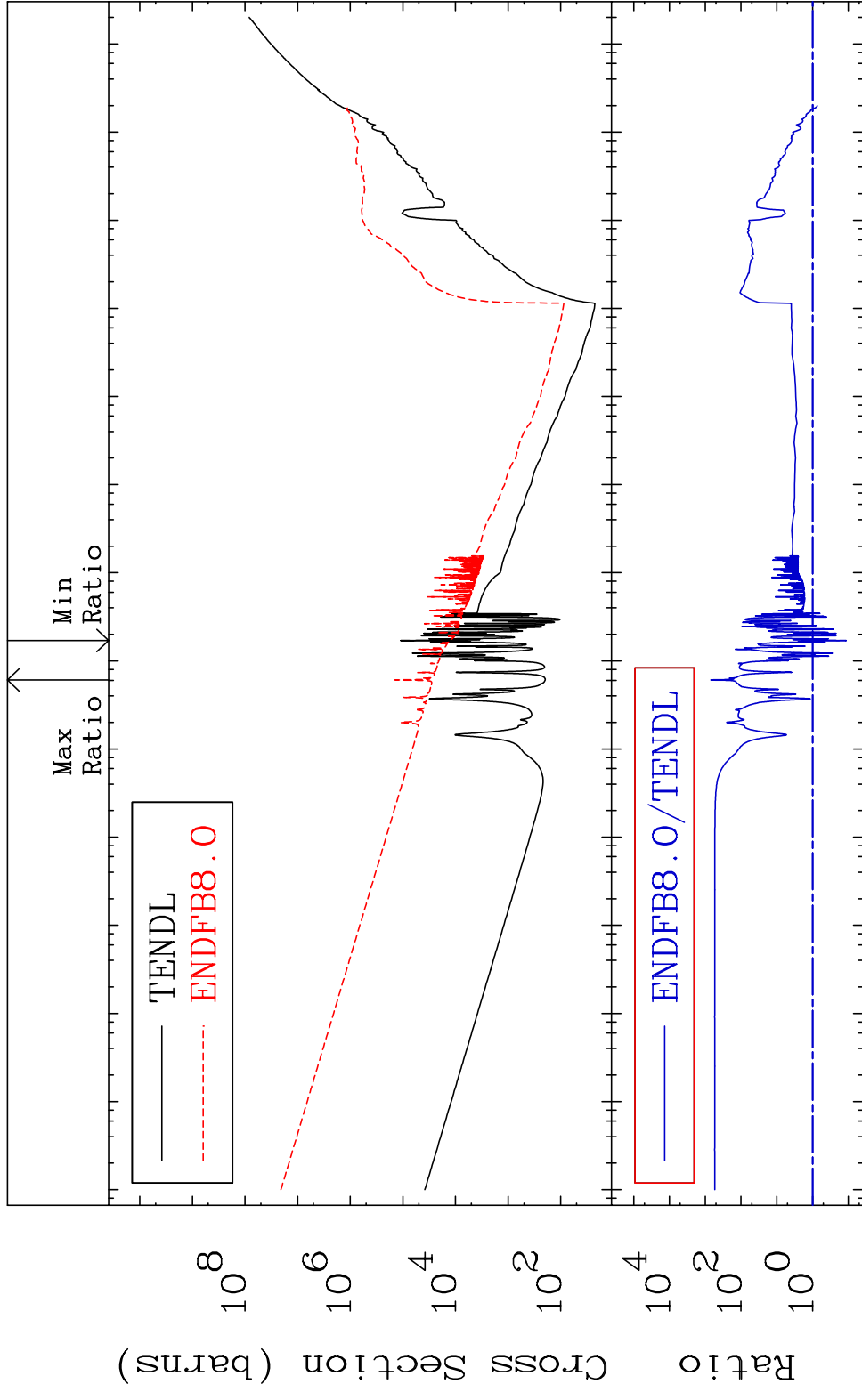


MAT 7428

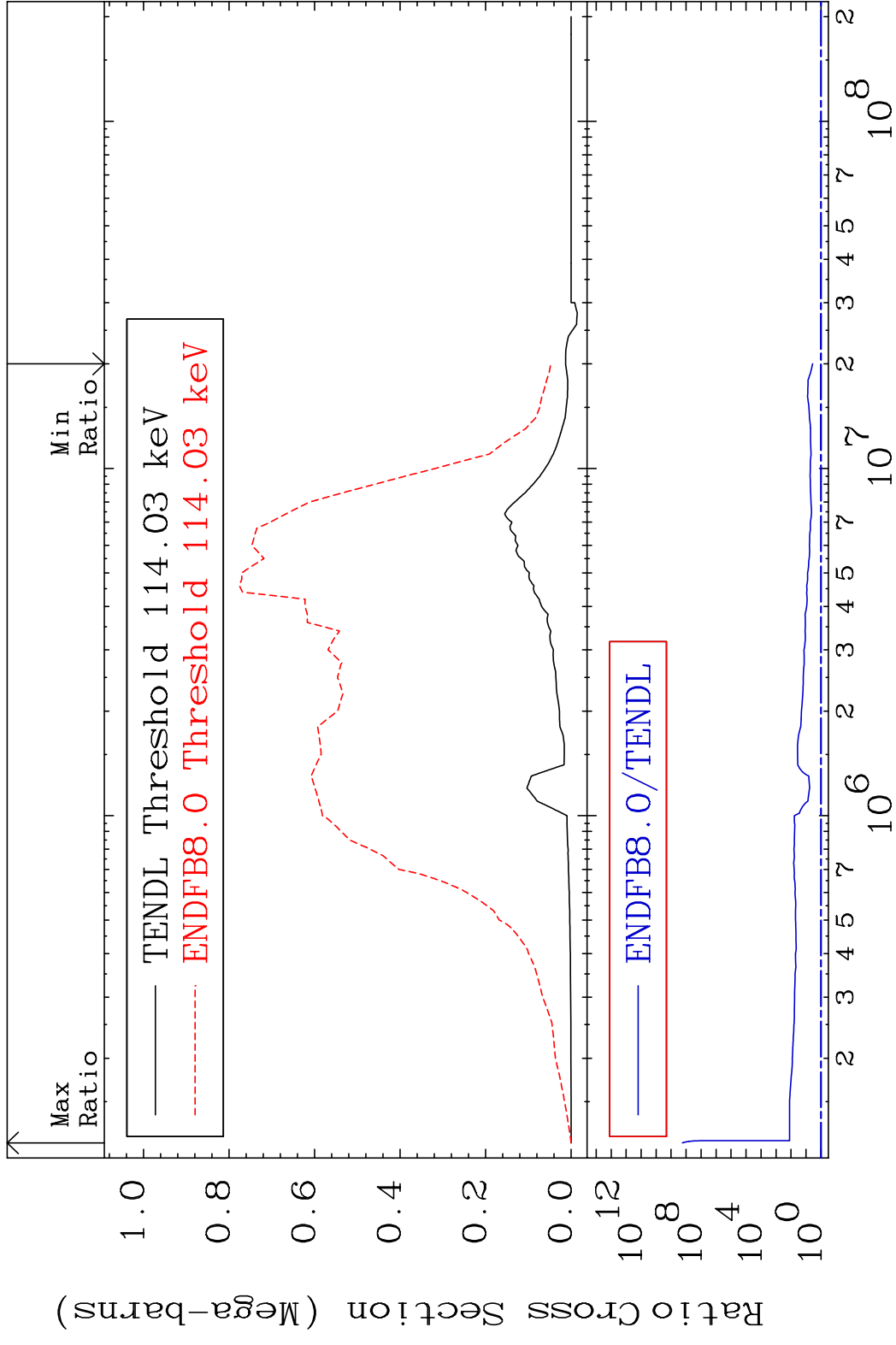
Kerma elastic Cross Section -99.29 To 1593. %
74-W -181



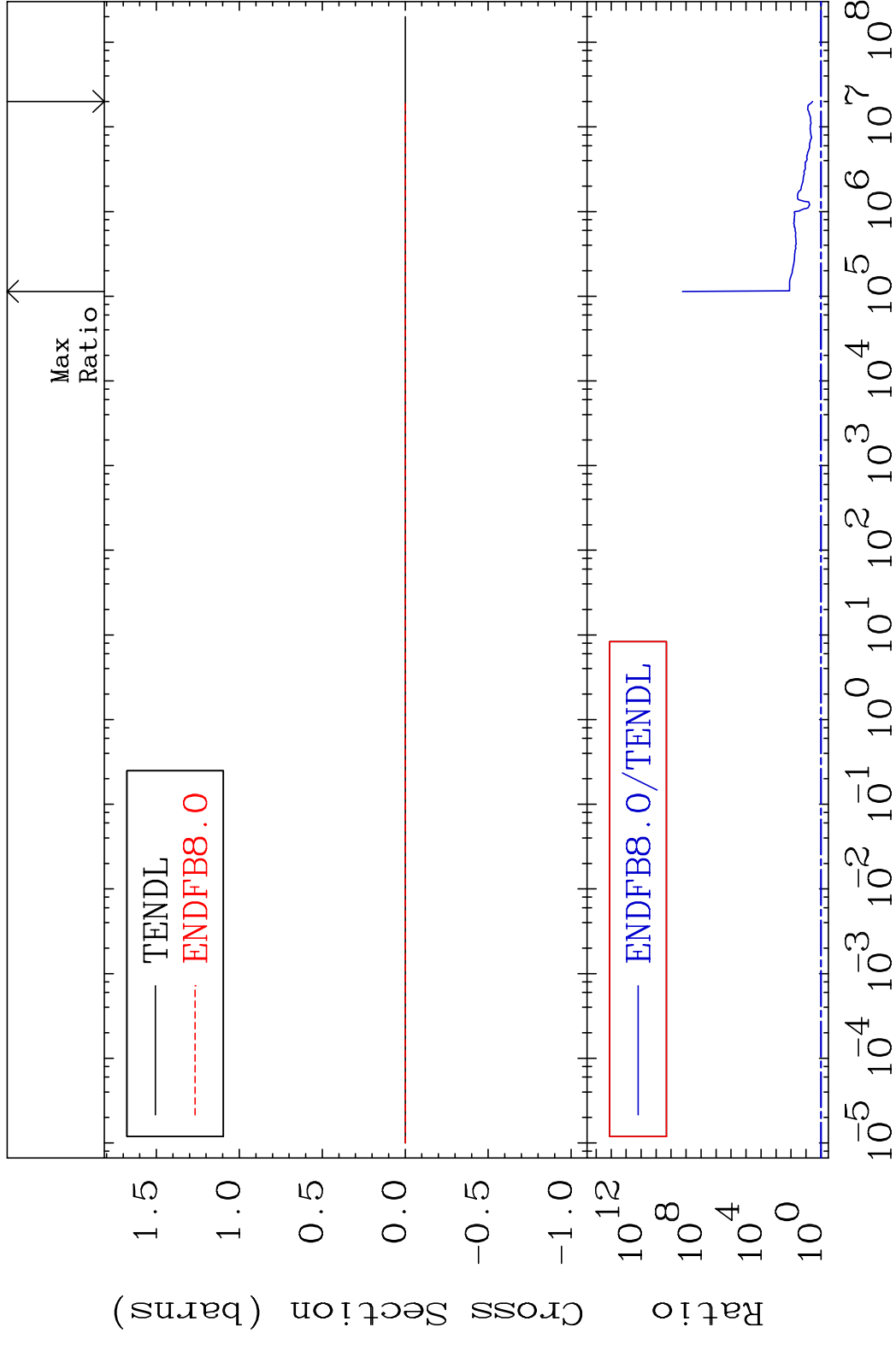
MAT 7428 Kerma non-elastic (all but mt2) 74-W -181
 Cross Section -88.62 To 9999. %



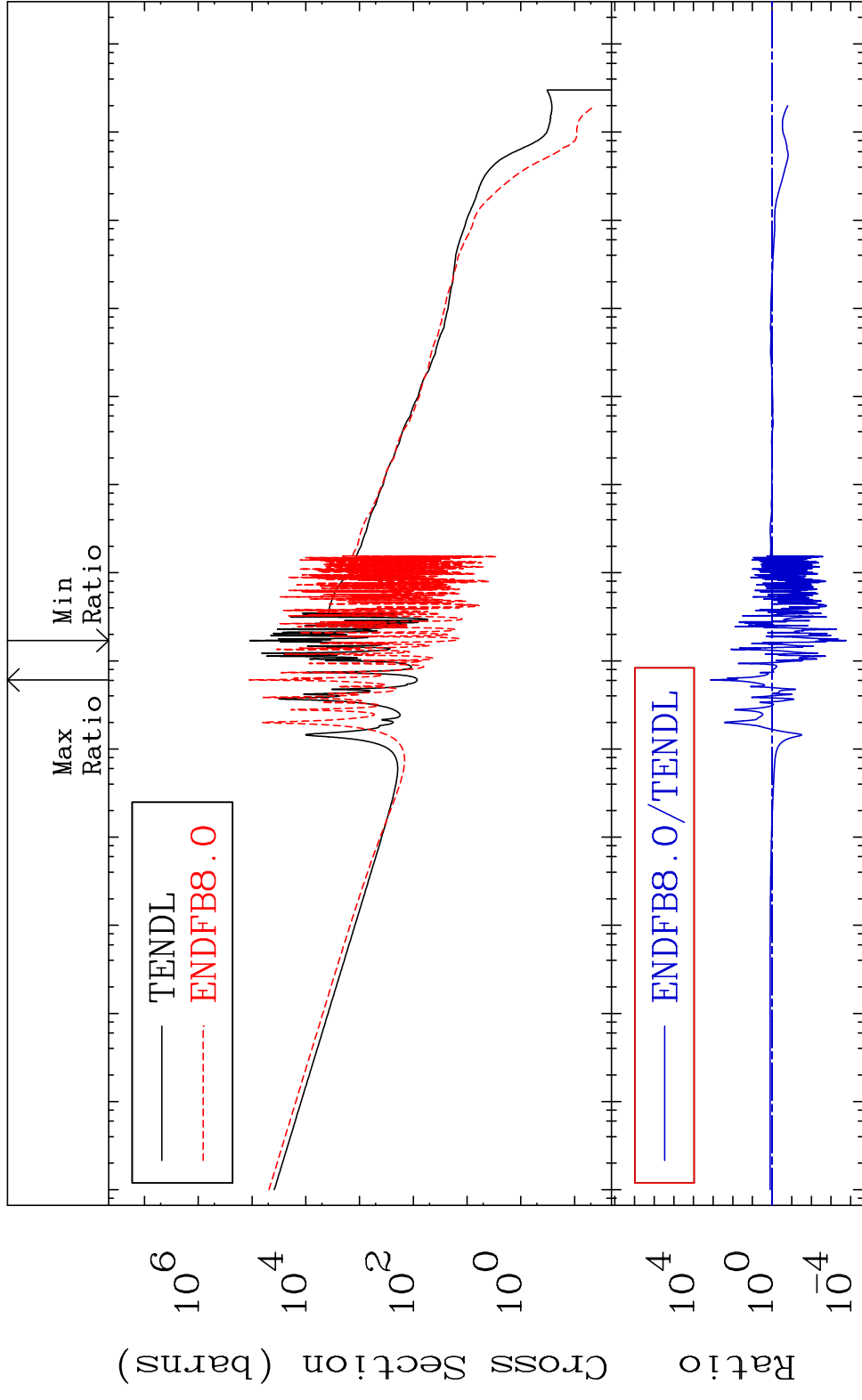
MAT 7428 Kerma inelastic (mt51-91) 74-W -181
 Cross Section 265.1 To 9999. %



MAT 7428 Kerma fission (mt18 or mt19-20-21-38)74-W -181
 Cross Section 265.1 To 9999. %

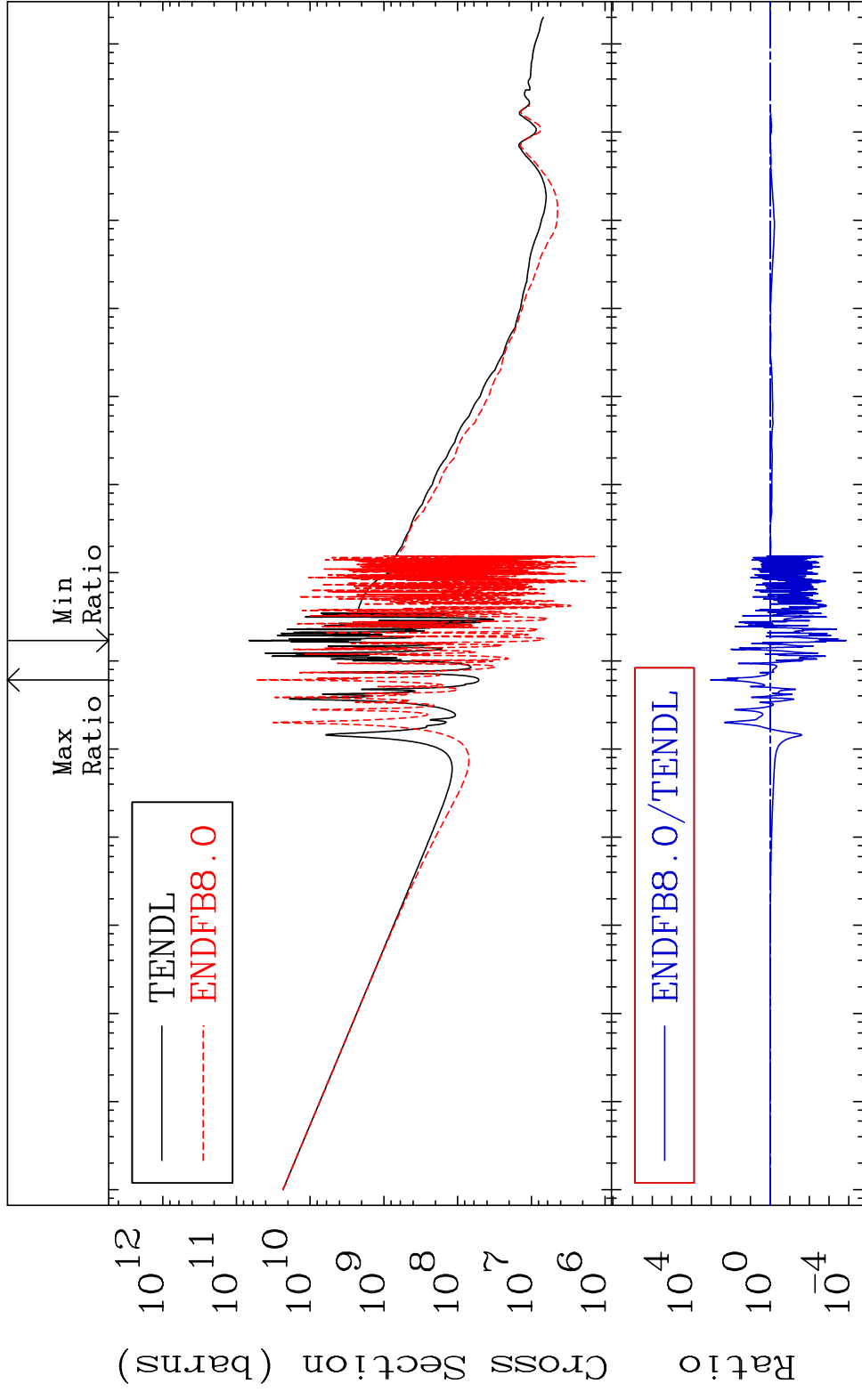


MAT 7428 Kerma capture (mt102) 74-W -181
 Cross Section -99.98 To 9999. %

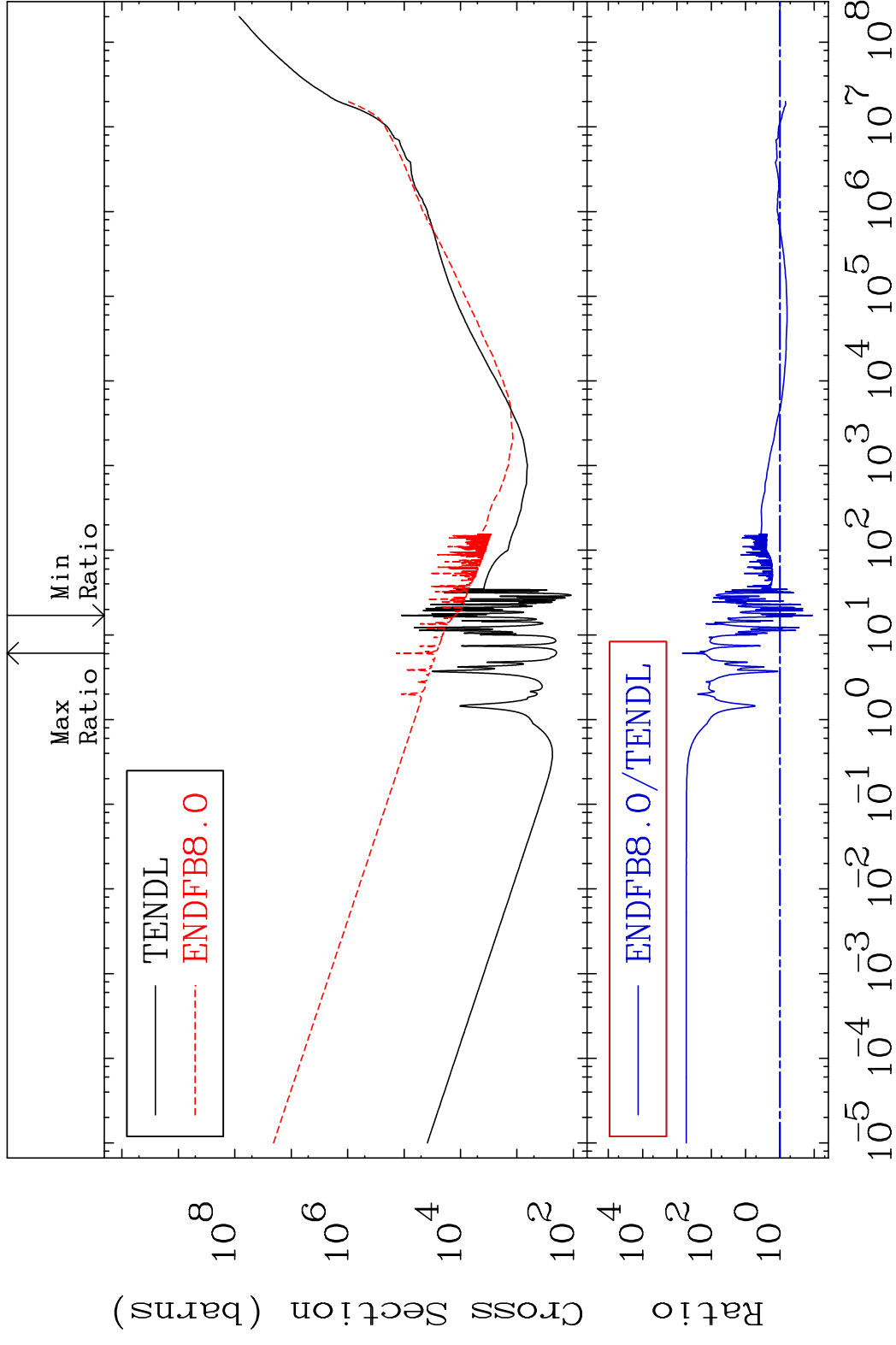


49 Incident Energy (eV) 74-W -181

MAT 7428 Total photon (eV-barns) 74-W -181
 Cross Section -99.99 To 9999. %



MAT 7428 Total kinematic kerma (high limit) 74-W -181
 Cross Section -88.75 To 9999. %

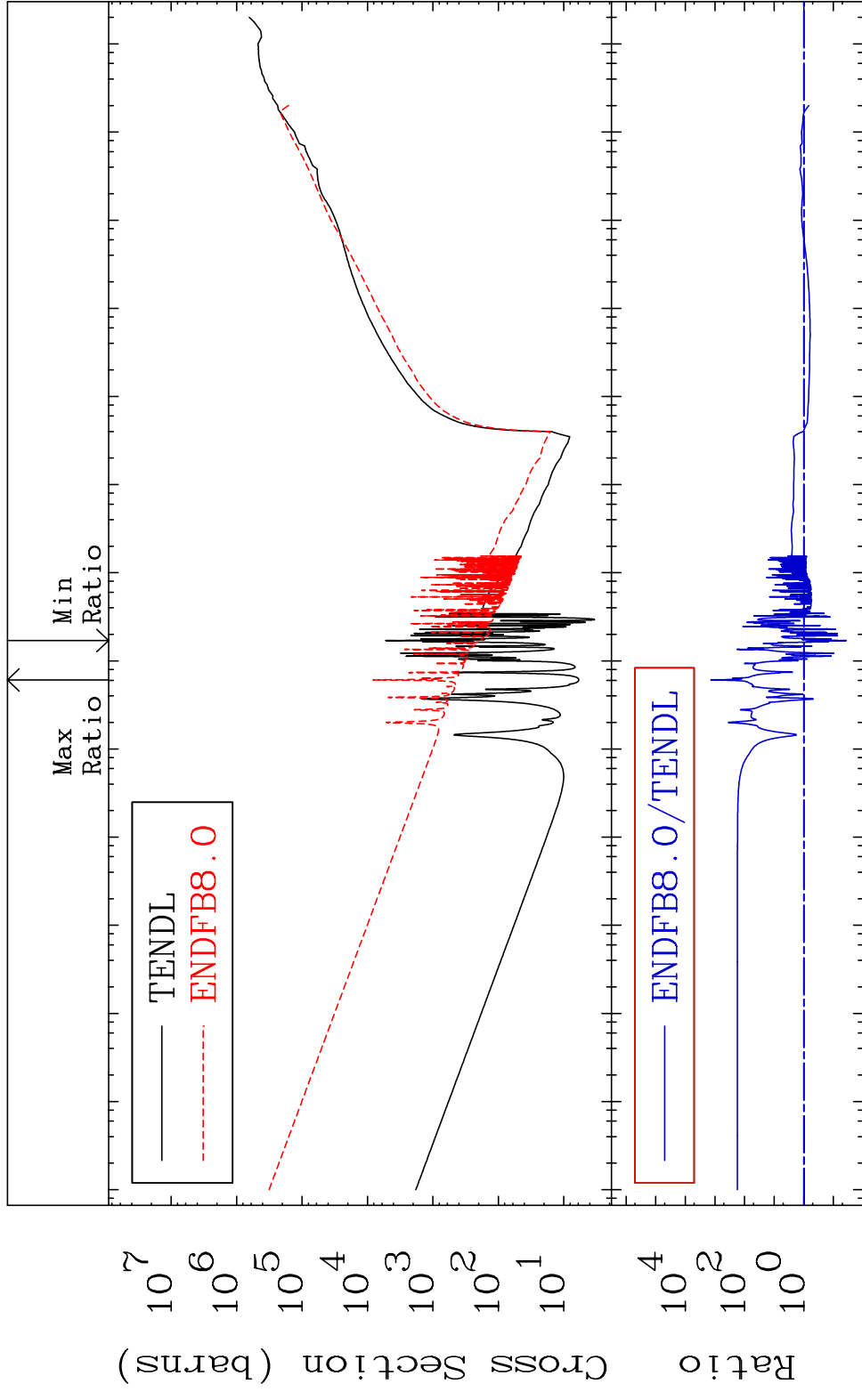


MAT 7428

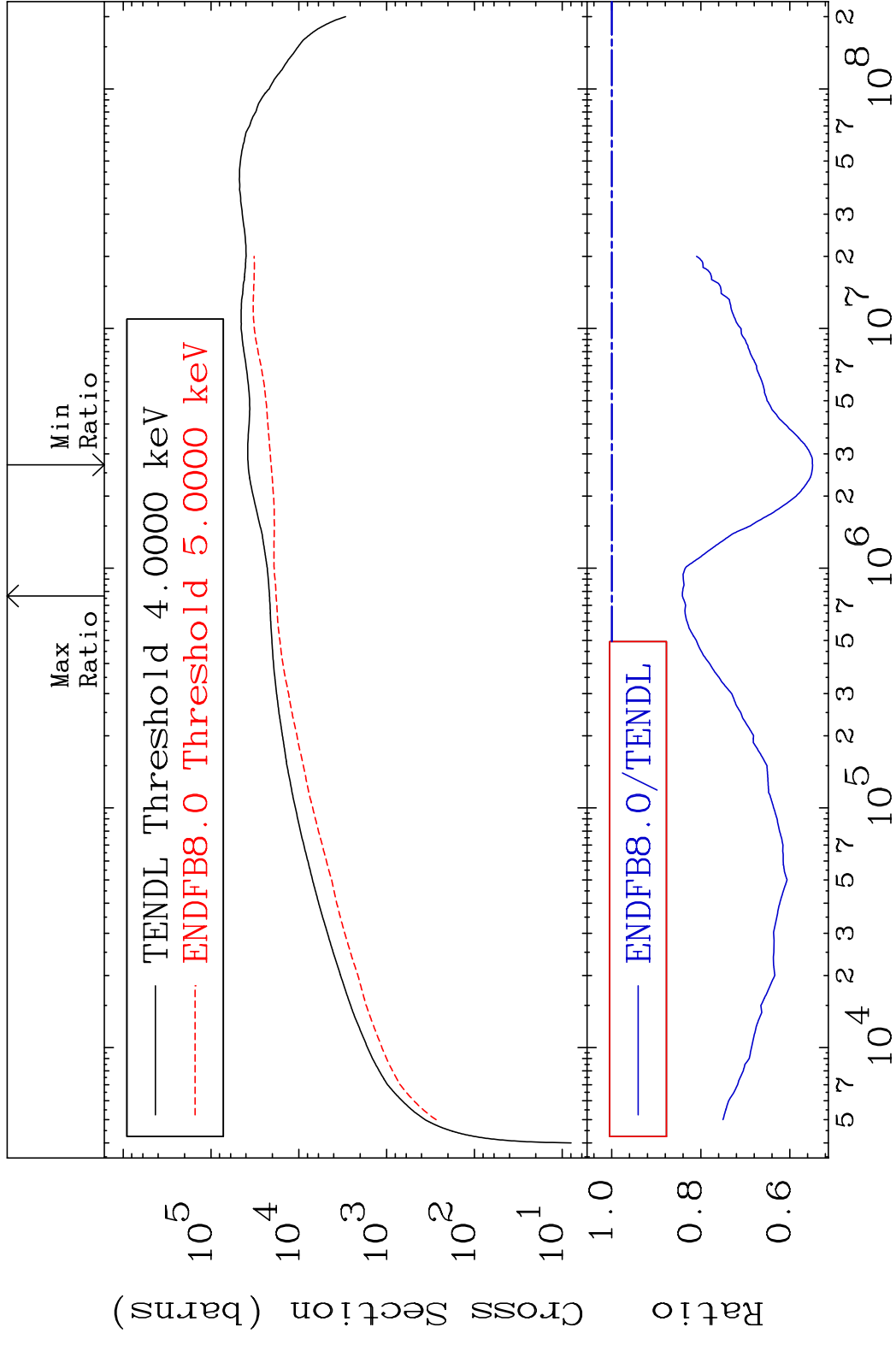
Dpa total (eV-barns)

74-W -181

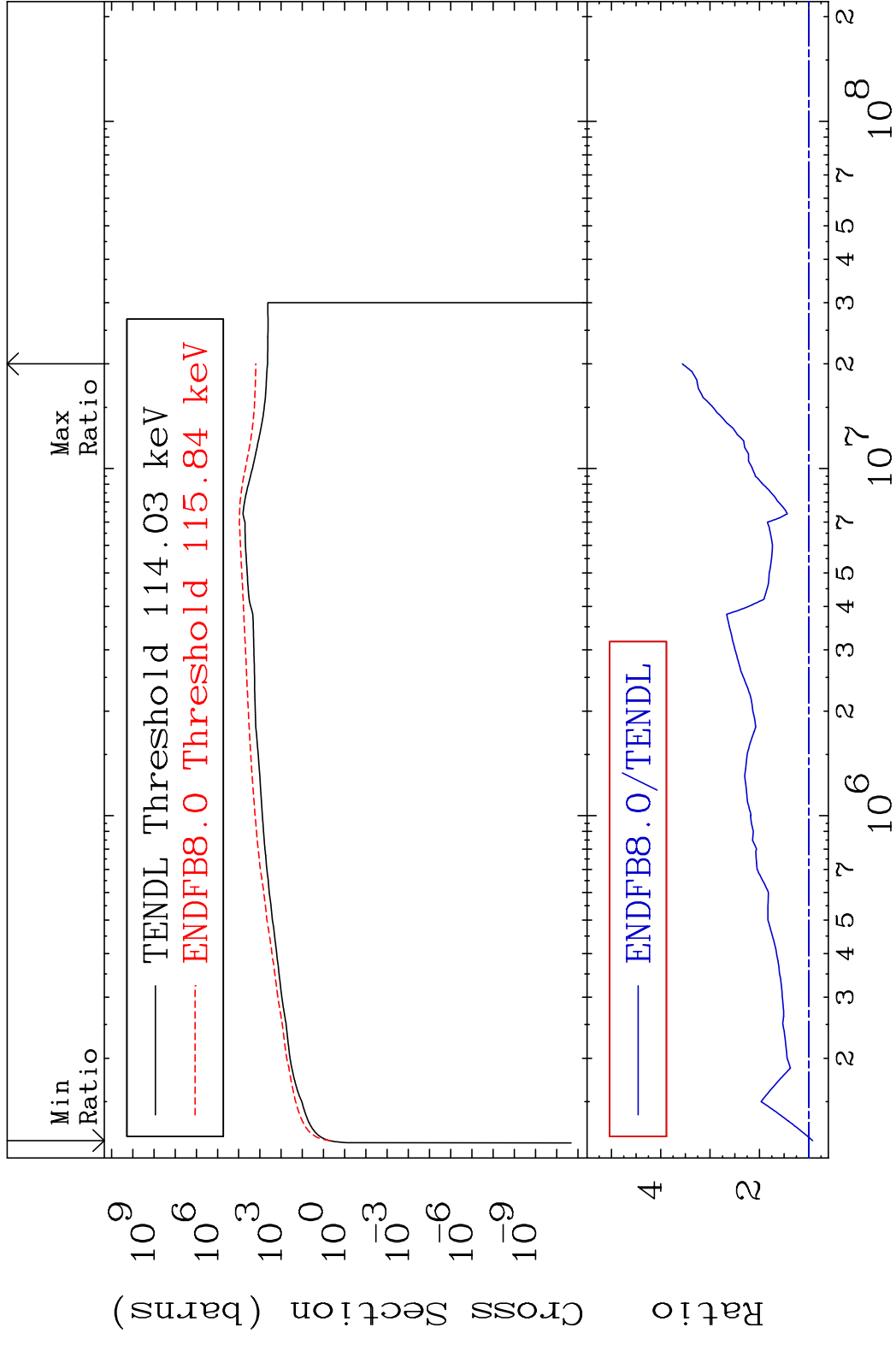
Cross Section -96.33 To 9999. %



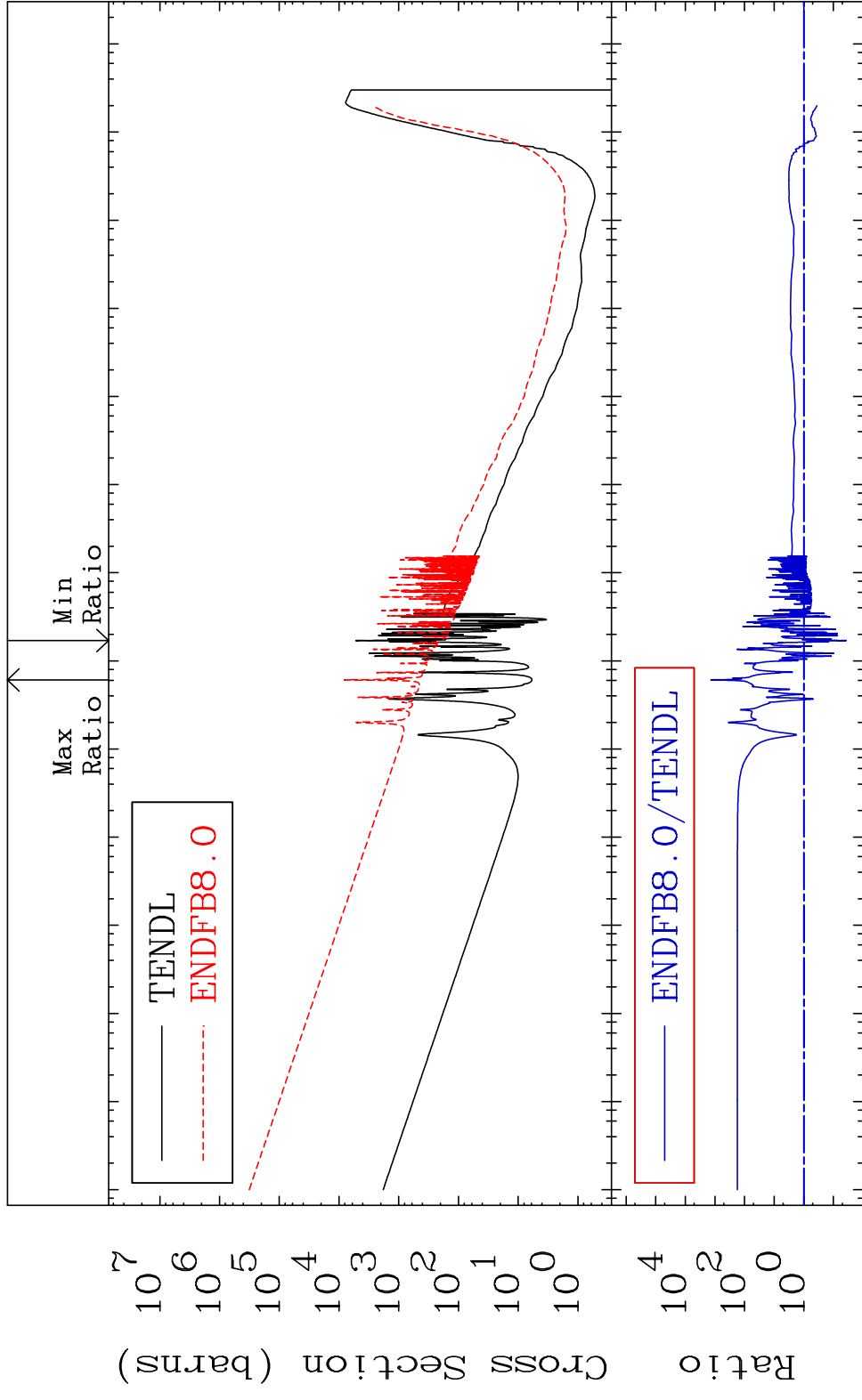
MAT 7428 Dpa elastic (mt2) 74-W -181
 Cross Section -45.13 To -15.86%

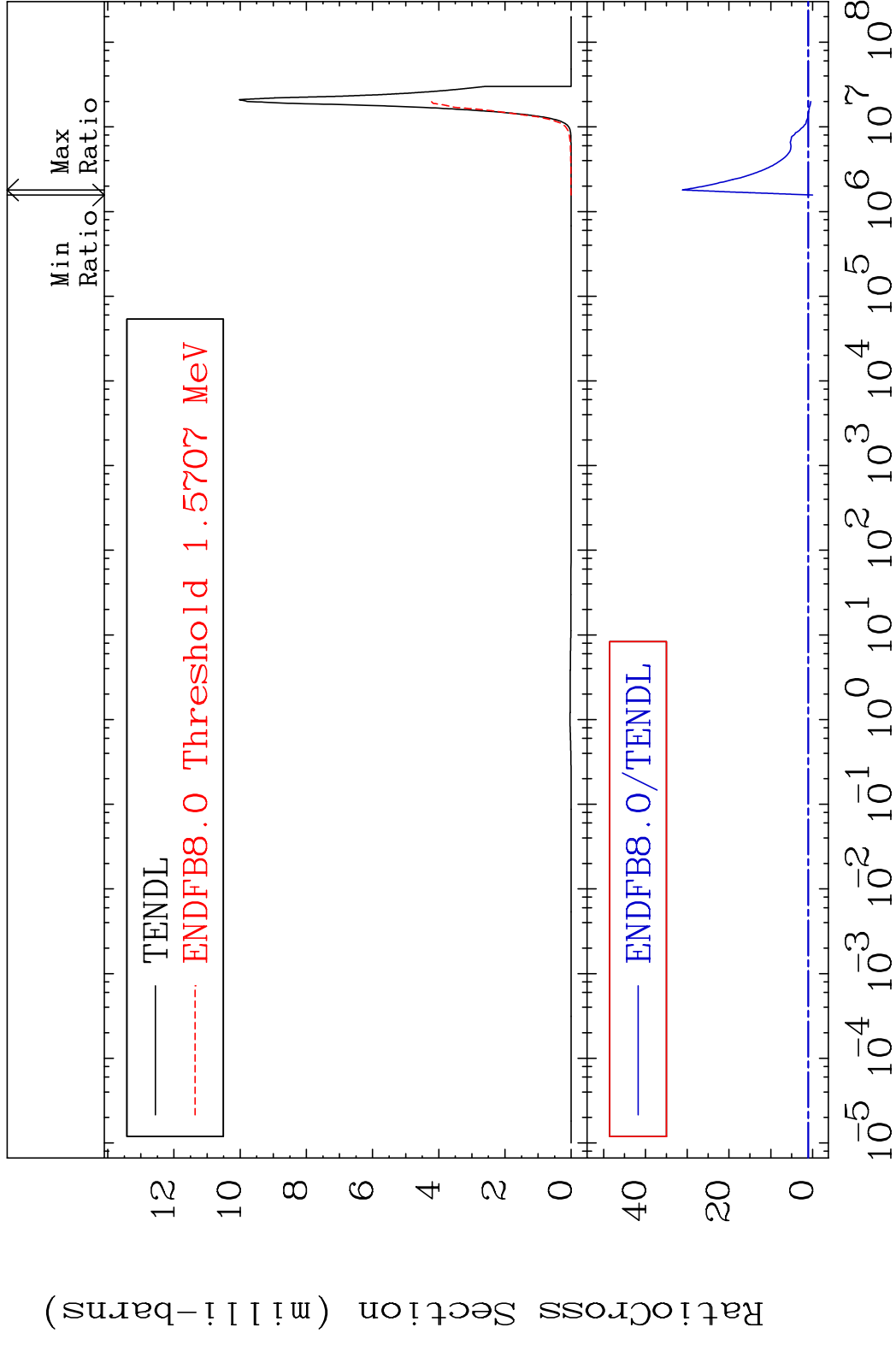


MAT 7428 Dpa inelastic (mt51-91) 74-W -181
 Cross Section -7.820 To 256.2 %



MAT 7428 Dpa disappearance (mt102 -120) 74-W -181
 Cross Section -96.33 To 9999. %





MAT 7428 (n, α): 72-Hf-178m5 74-W -181
 Radionuclide Production Cross Section 180.0 dth 1238. %

