

Program Complot
(Version 2021-1)

by

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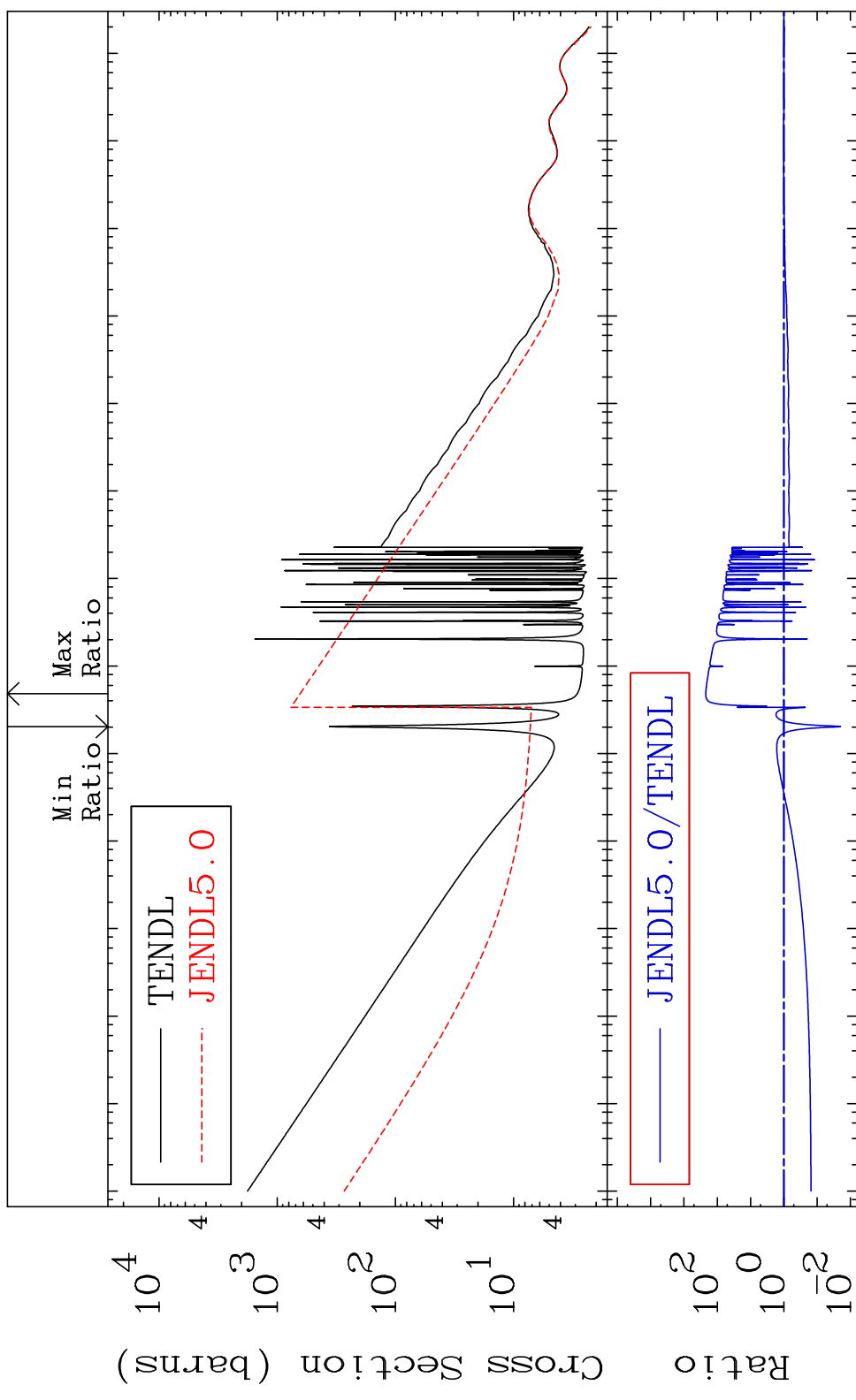
Press Mouse Button to Start

MAT 6143

Total

61-Pm-145

Cross Section -98.01 To 9999. %



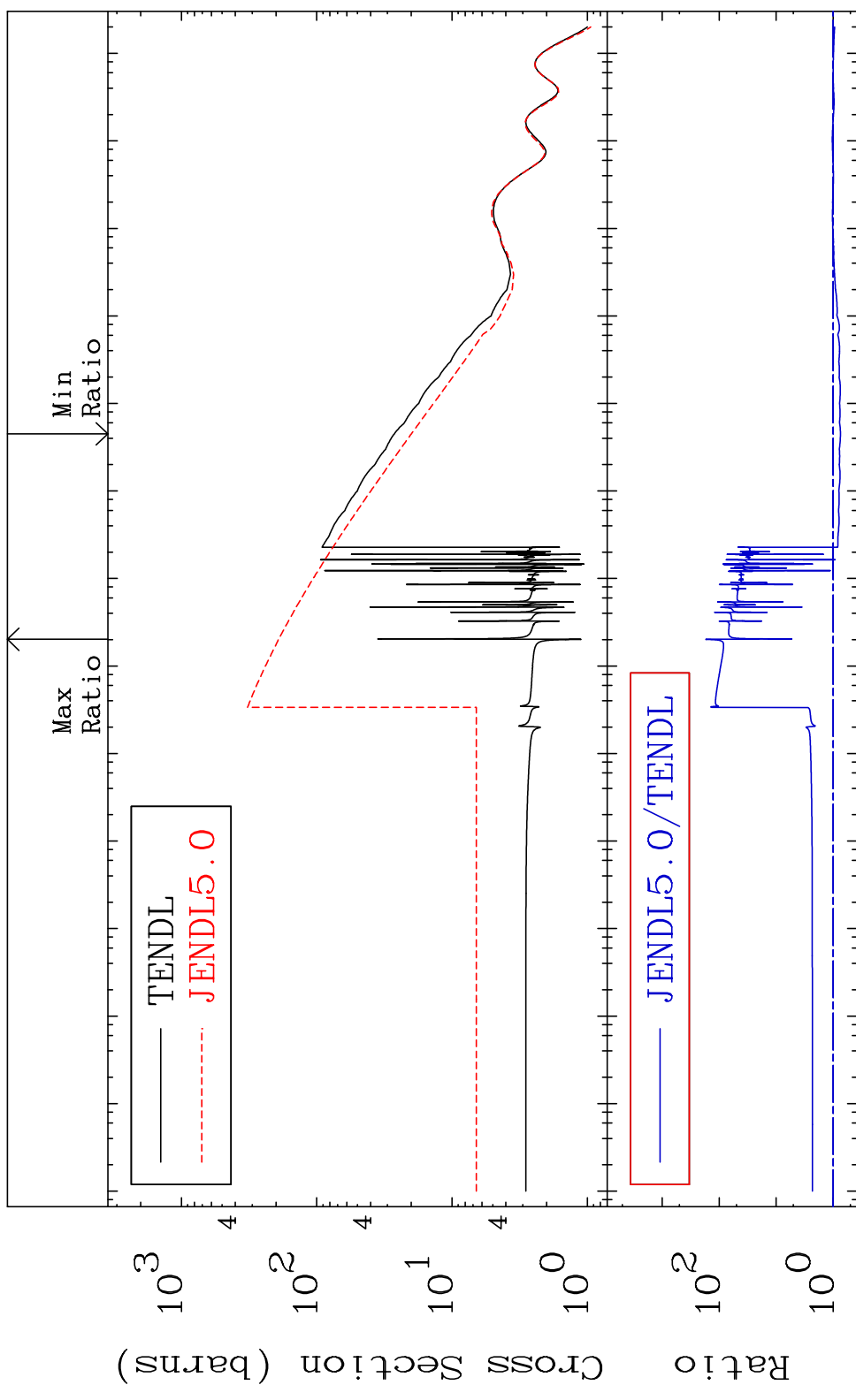
1

Incident Energy (eV)

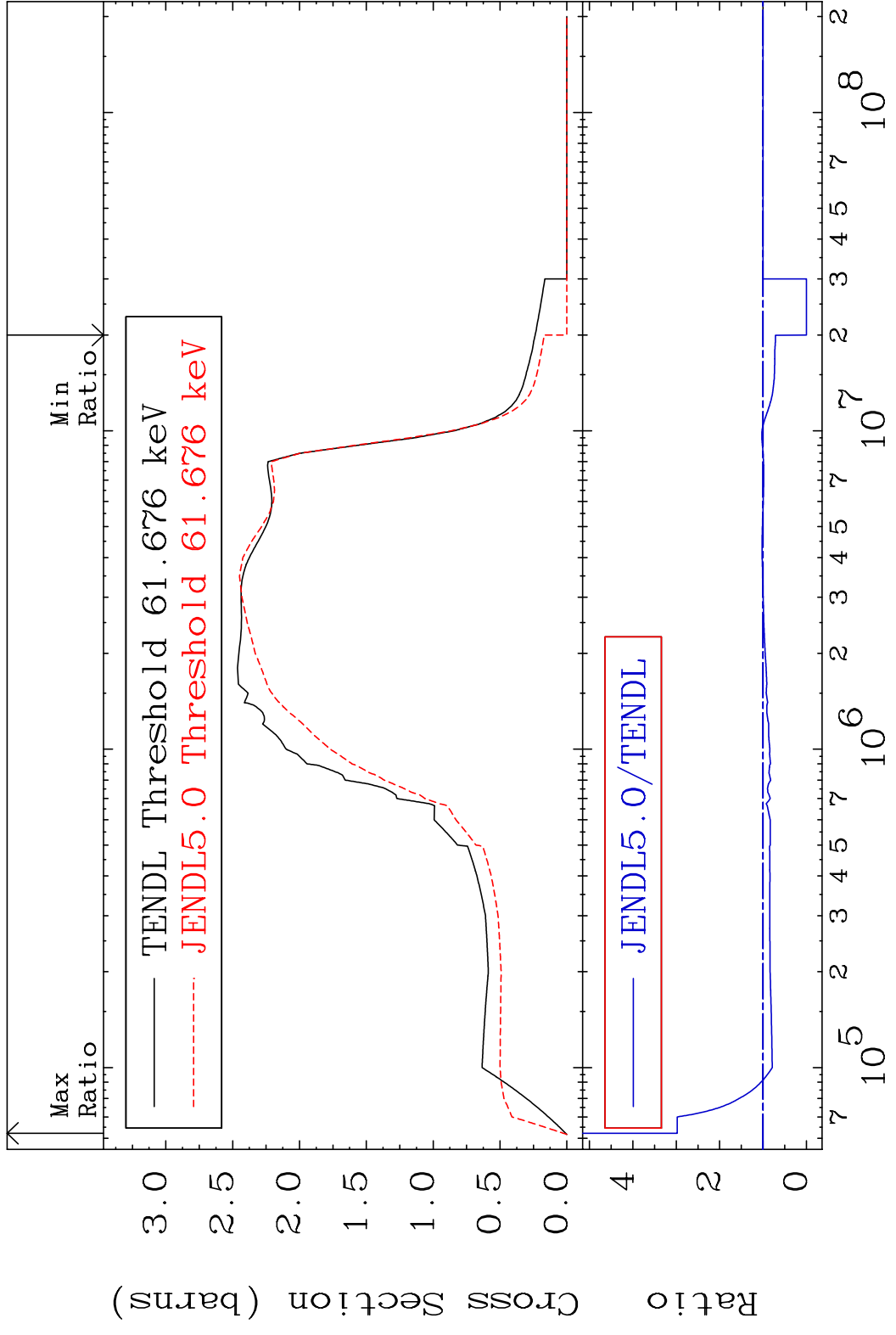
61-Pm-145

MAT 6143

Elastic Cross Section 61-Pm-145
-25.26 To 9999. %



MAT 6143 Inelastic 61-Pm-145
 Cross Section -100.0 To 197.8 %

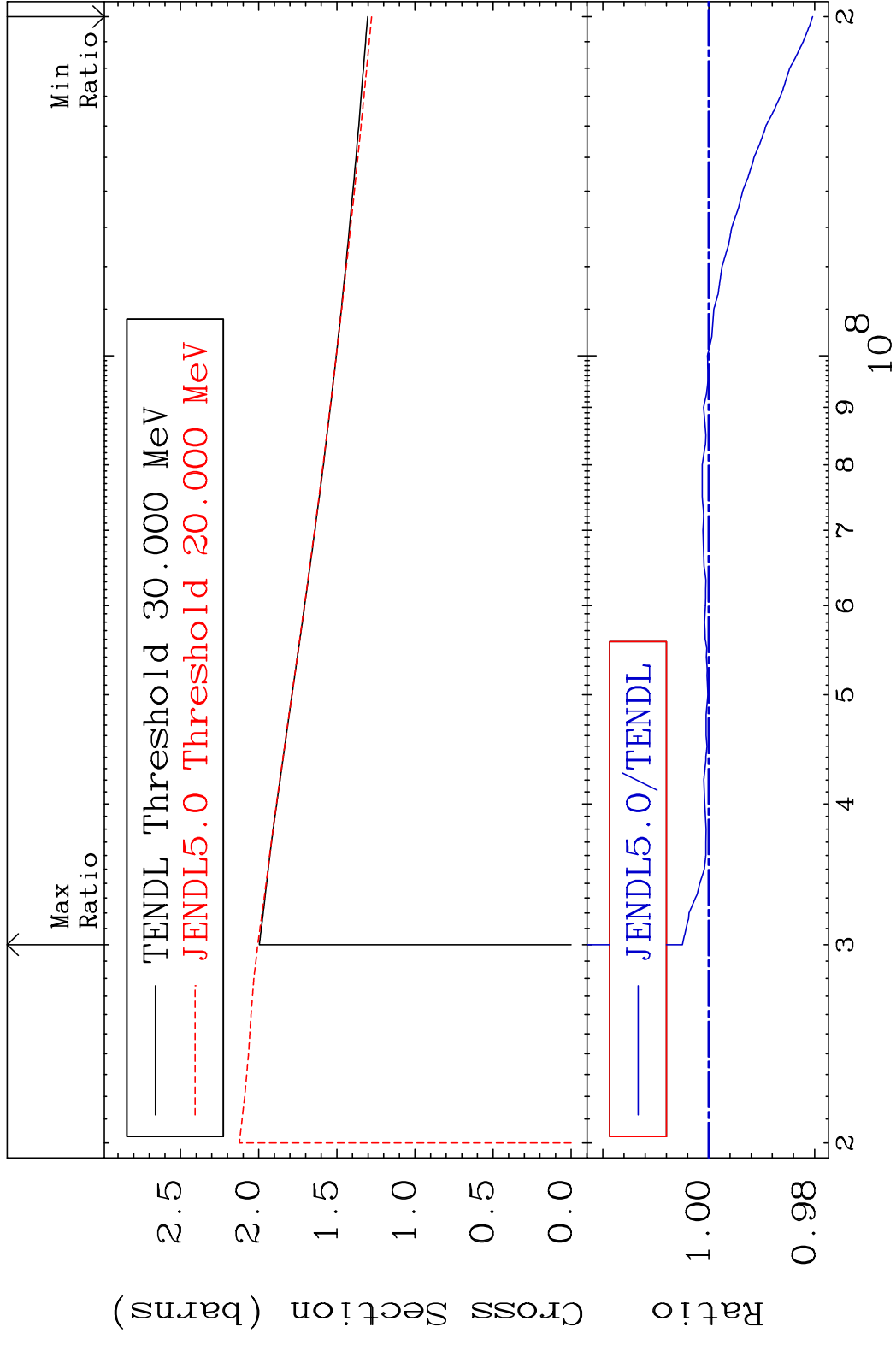


MAT 6143

(n, remainder)

61-Pm-145

Cross Section -1.959 To 0.499 %



4

Incident Energy (eV)

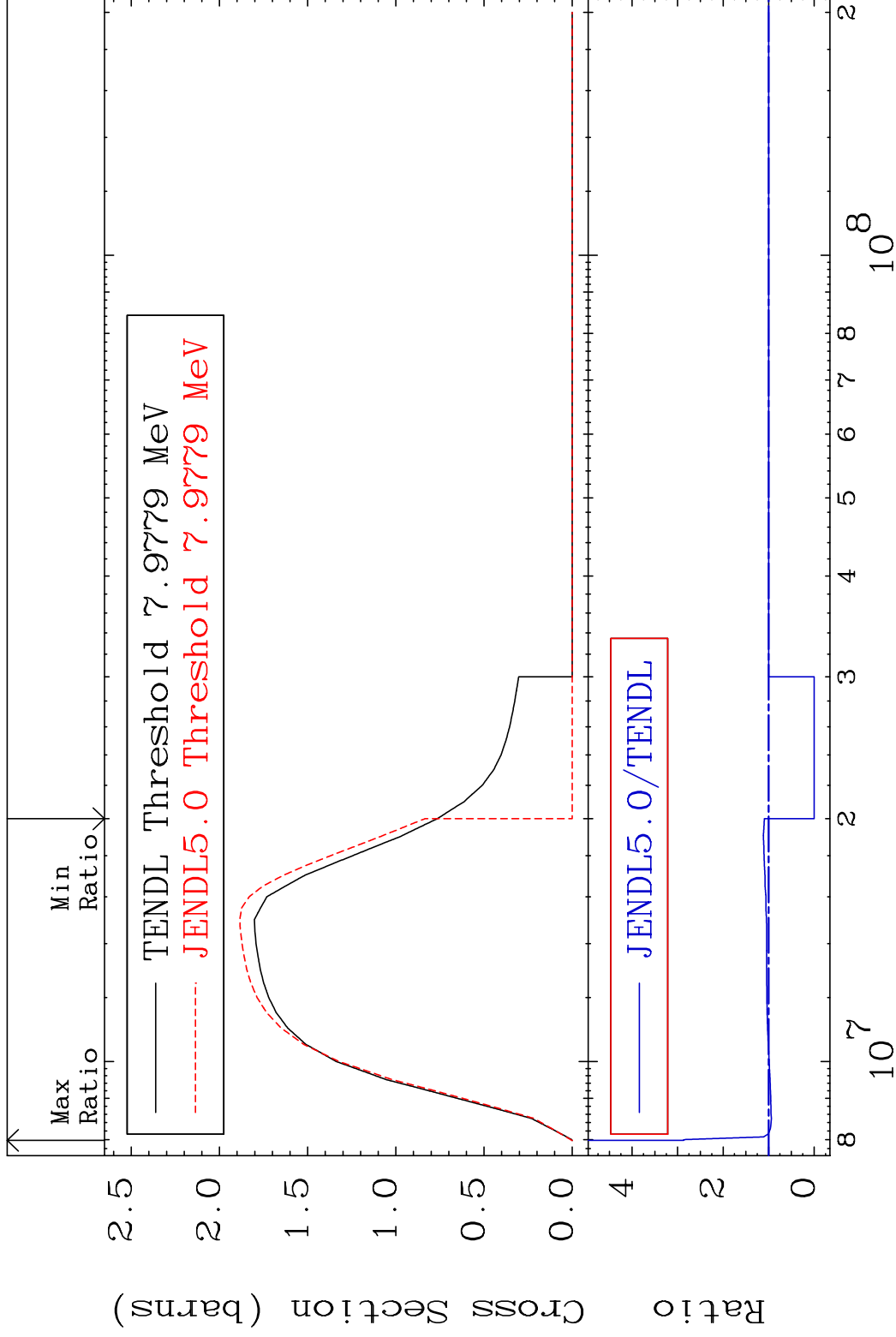
61-Pm-145

MAT 6143

(n,2n)

61-Pm-145

Cross Section -100.0 To 186.7 %

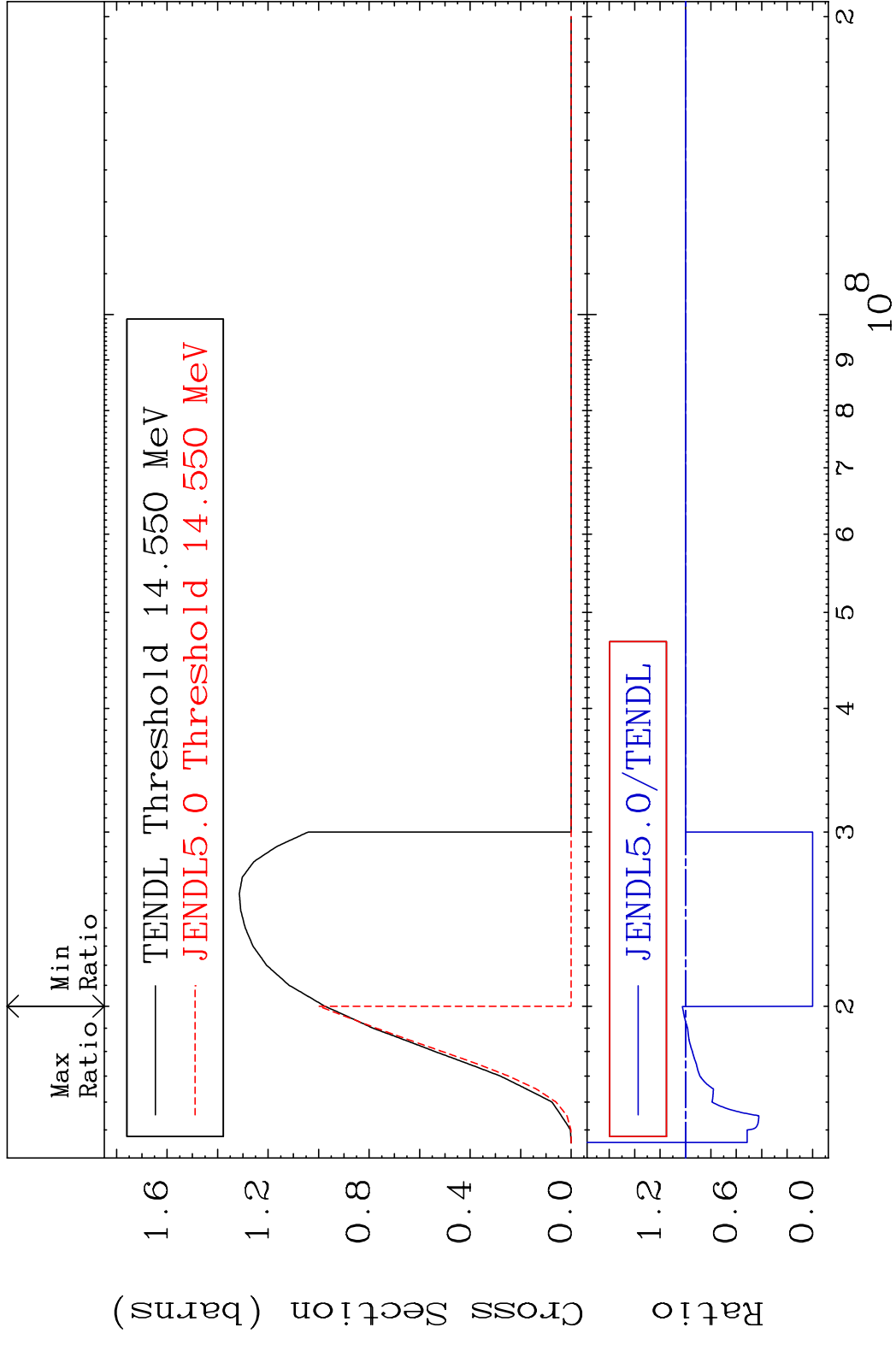


5

Incident Energy (eV)

61-Pm-145

MAT 6143 (n,3n) 61-Pm-145
 Cross Section -100.0 To 2.466 %

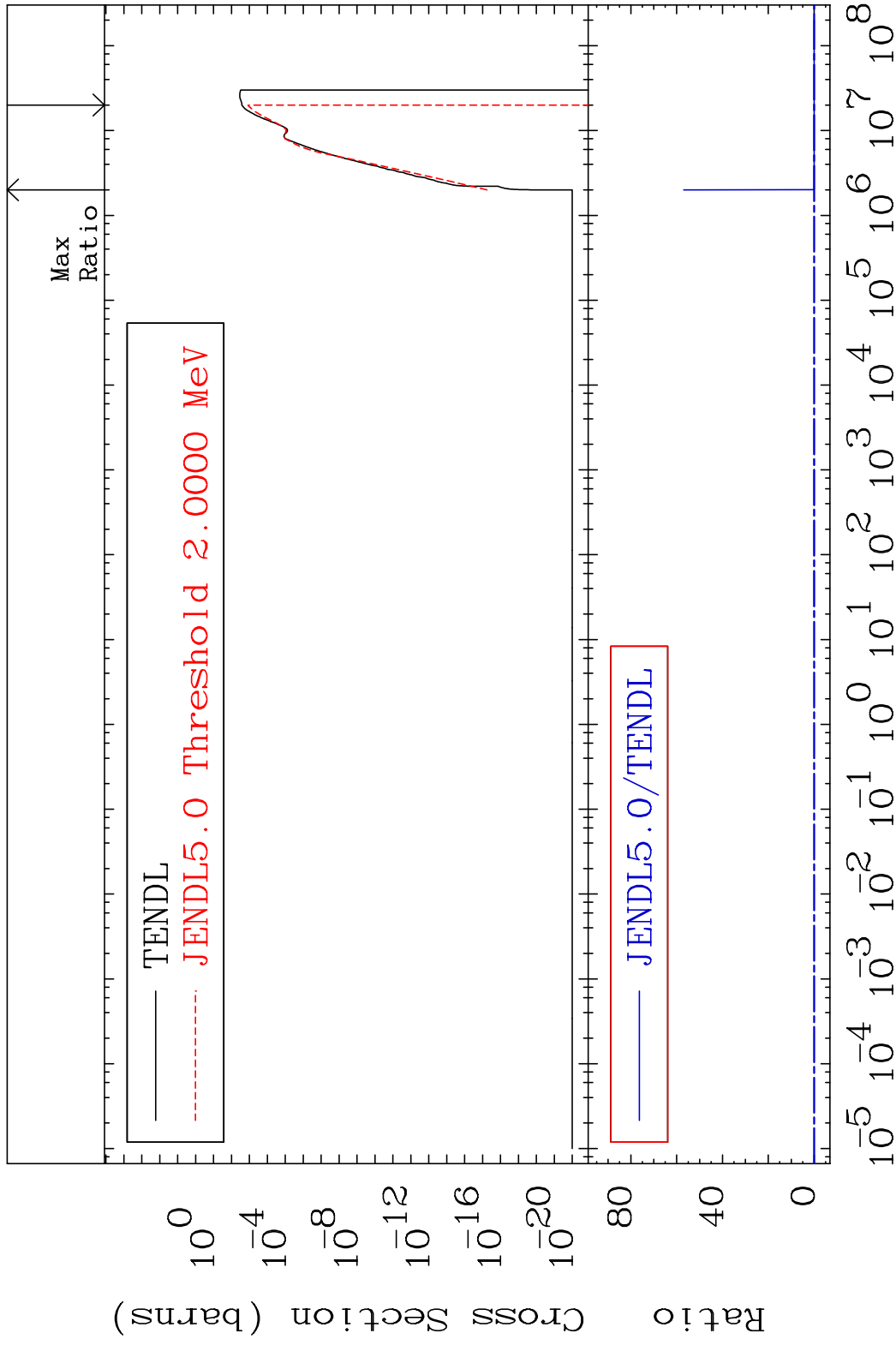


MAT 6143

(n, n') α

61-Pm-145

Cross Section -100.0 To 9999. %

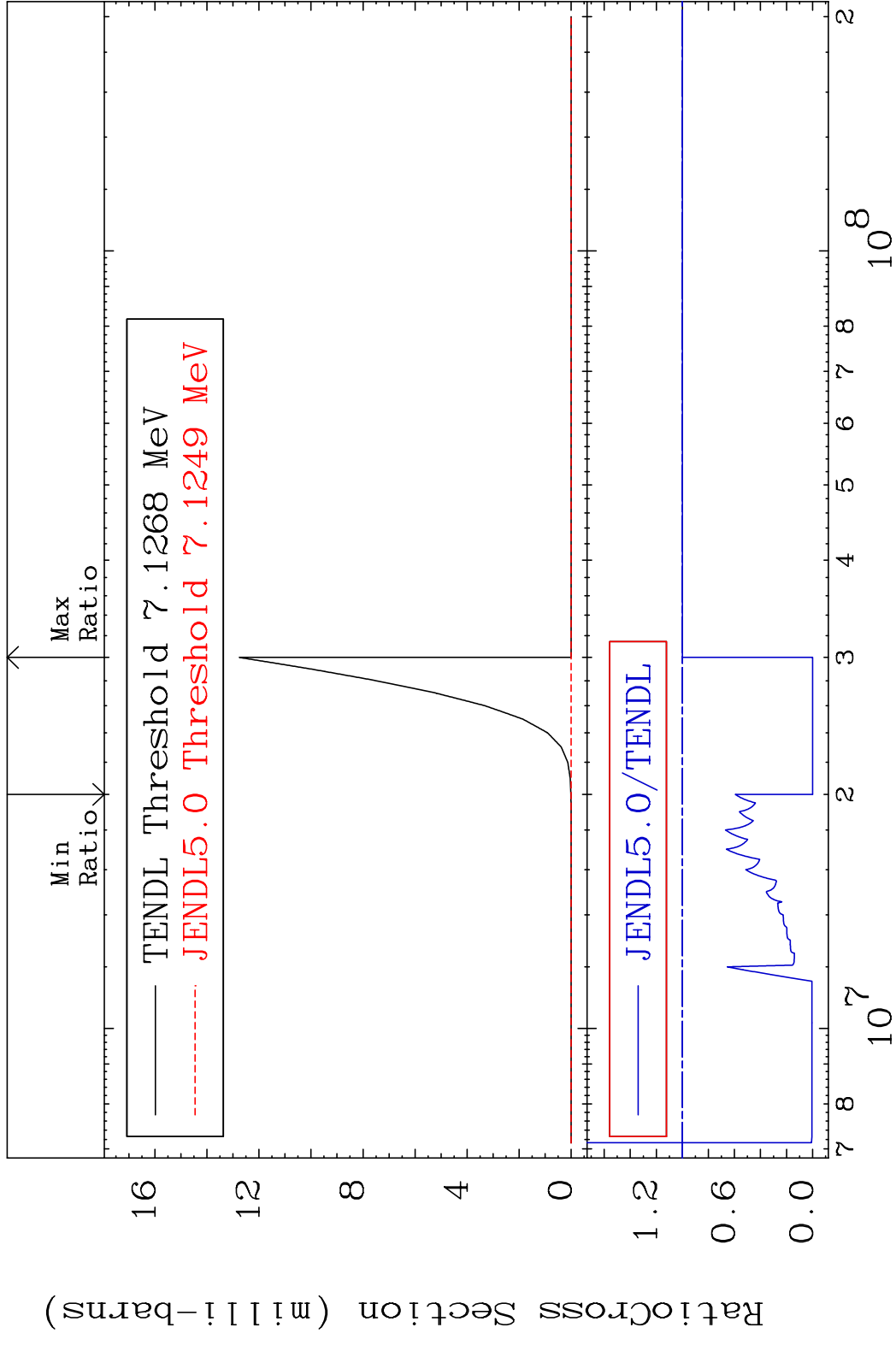


7

Incident Energy (eV)

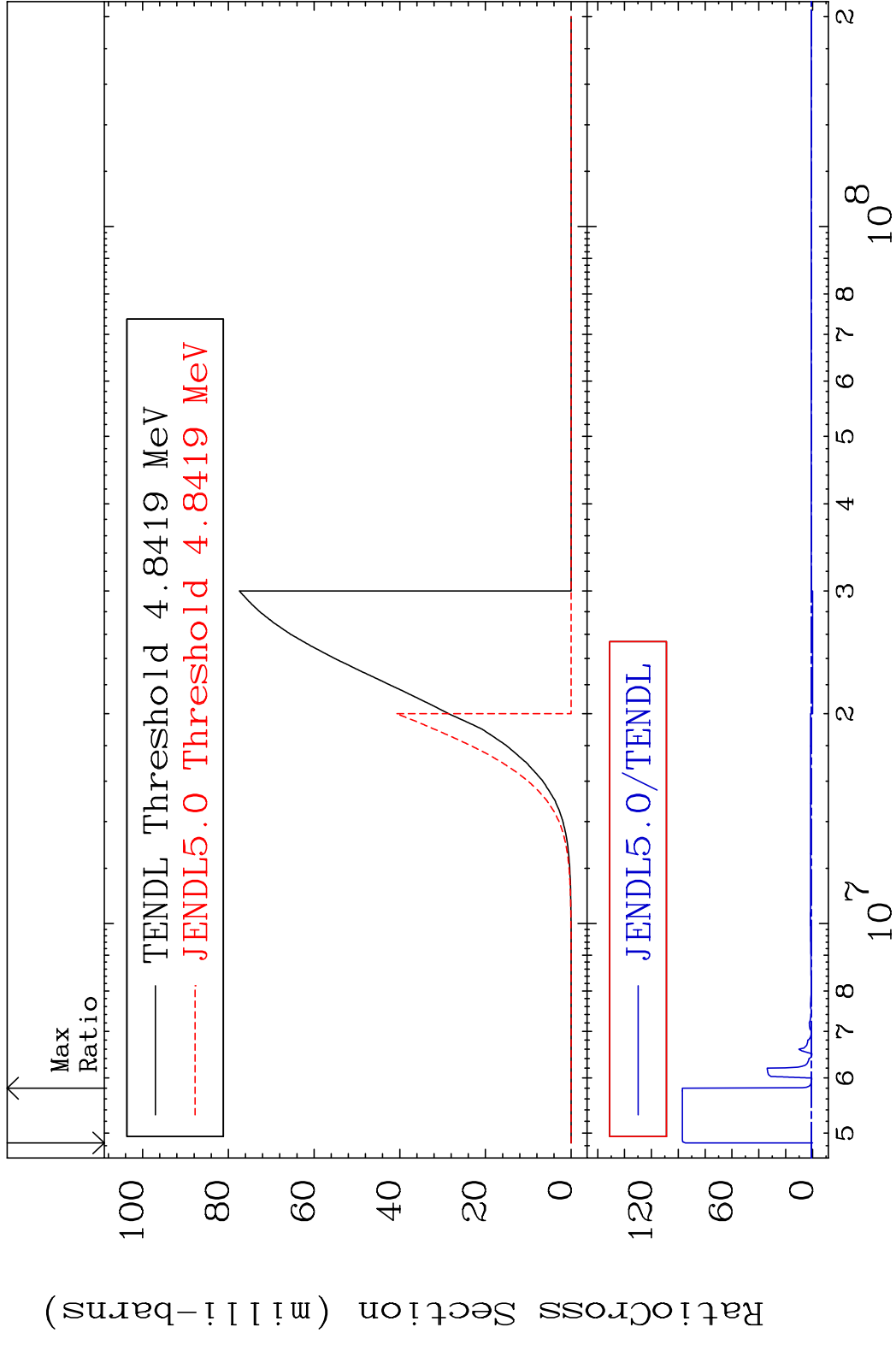
61-Pm-145

MAT 6143 (n,2n) α 61-Pm-145
 Cross Section -100.0 To 0.000 %



8 7 8 10 2 8 6 7 8 10 8 61-Pm-145

MAT 6143 (n, n') p 61-Pm-145
 Cross Section -100.0 To 9596. %

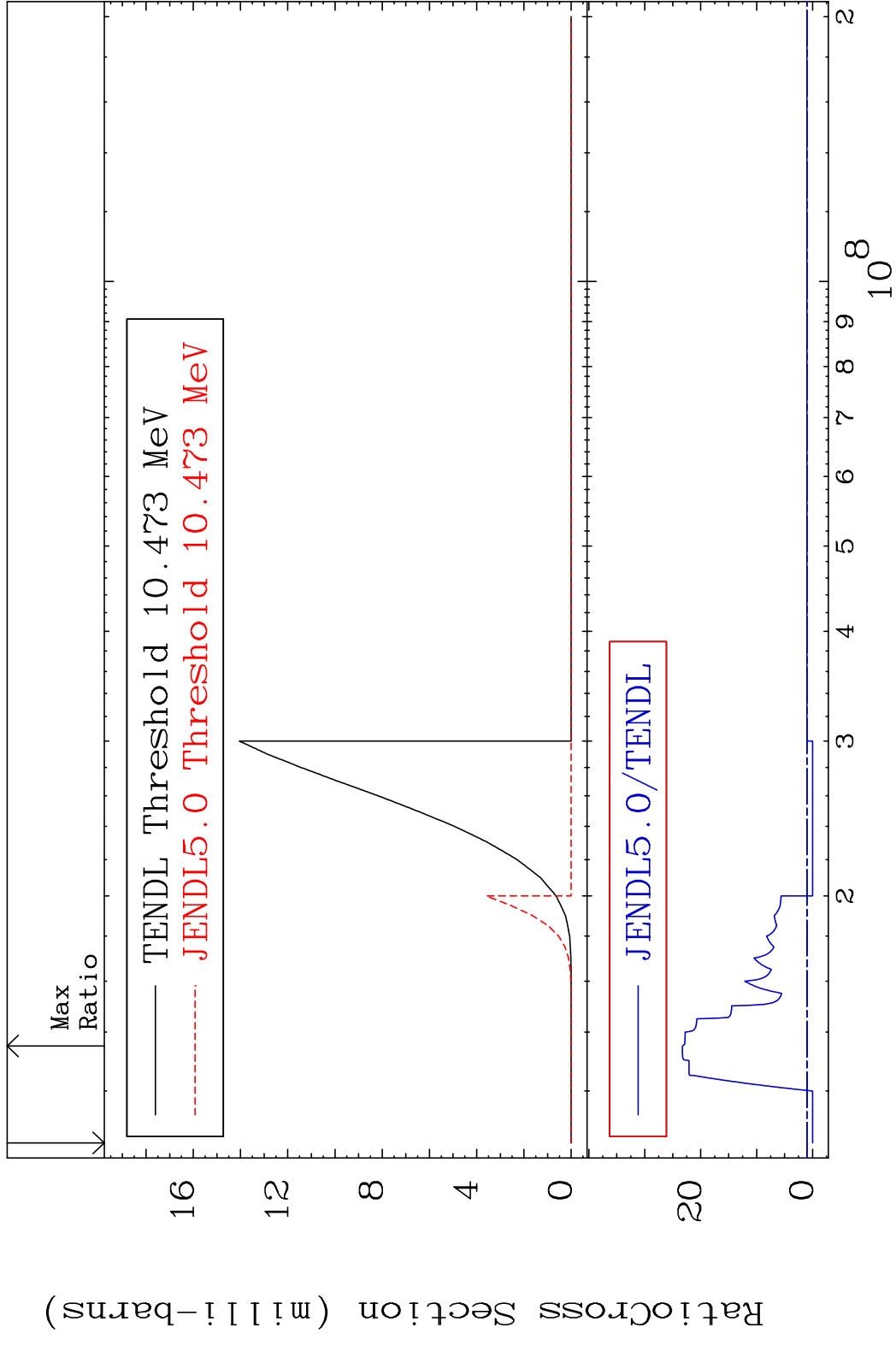


MAT 6143

(n, n') d

61-Pm-145

Cross Section -100.0 To 2228. %



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Incident Energy (eV)

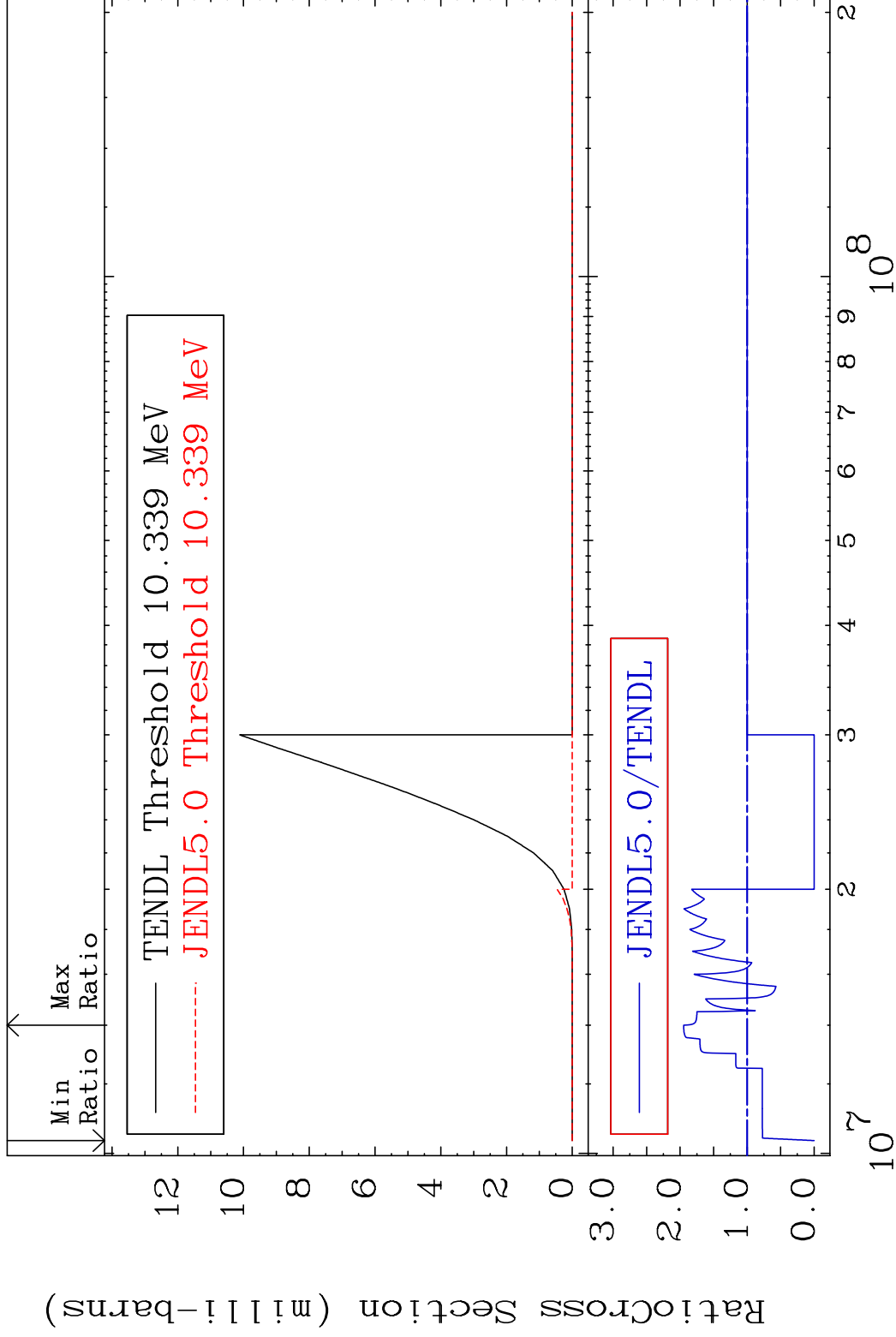
61-Pm-145

MAT 6143

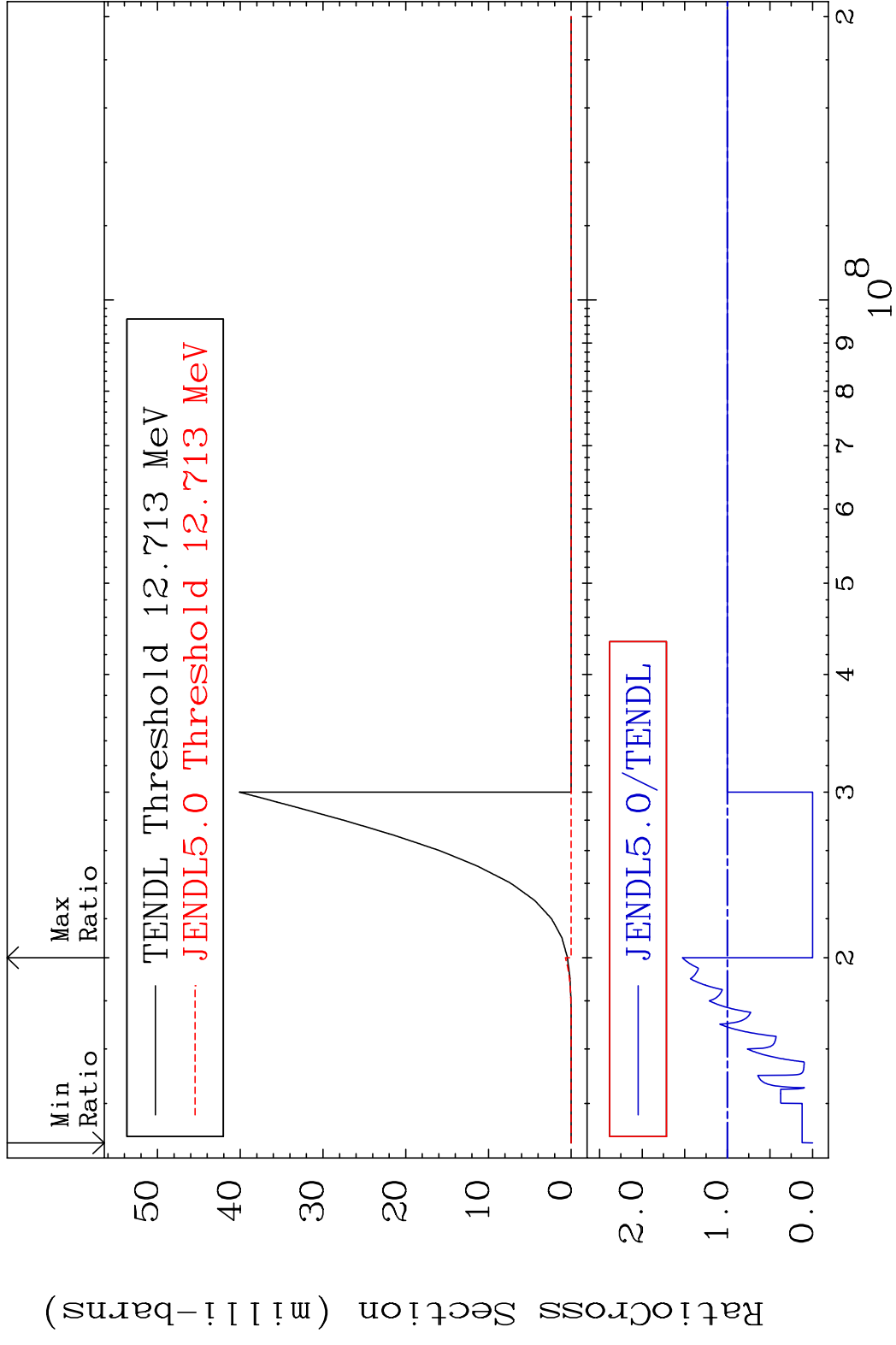
(n, n') t

61-Pm-145

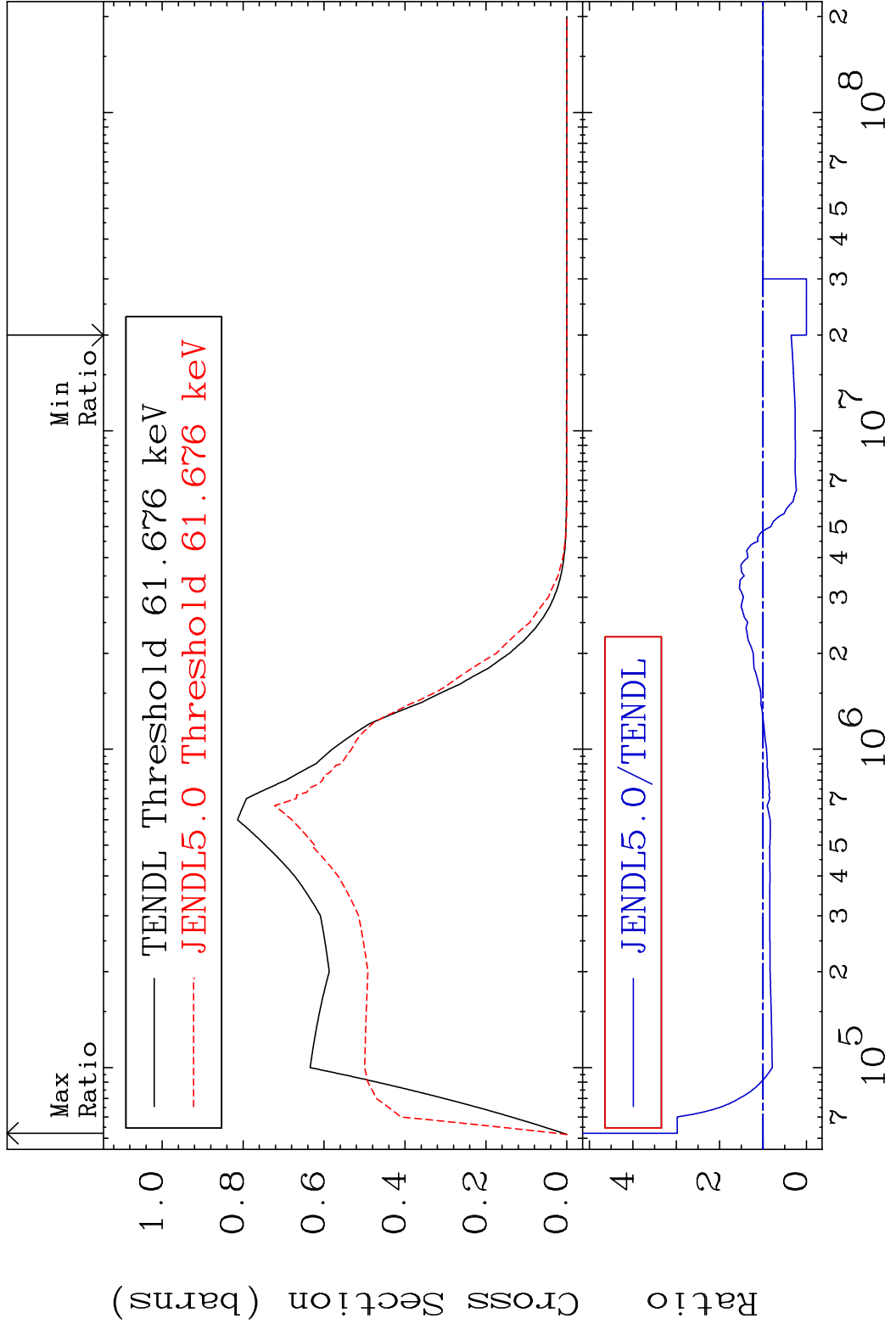
Cross Section -100.0 To 94.71 %



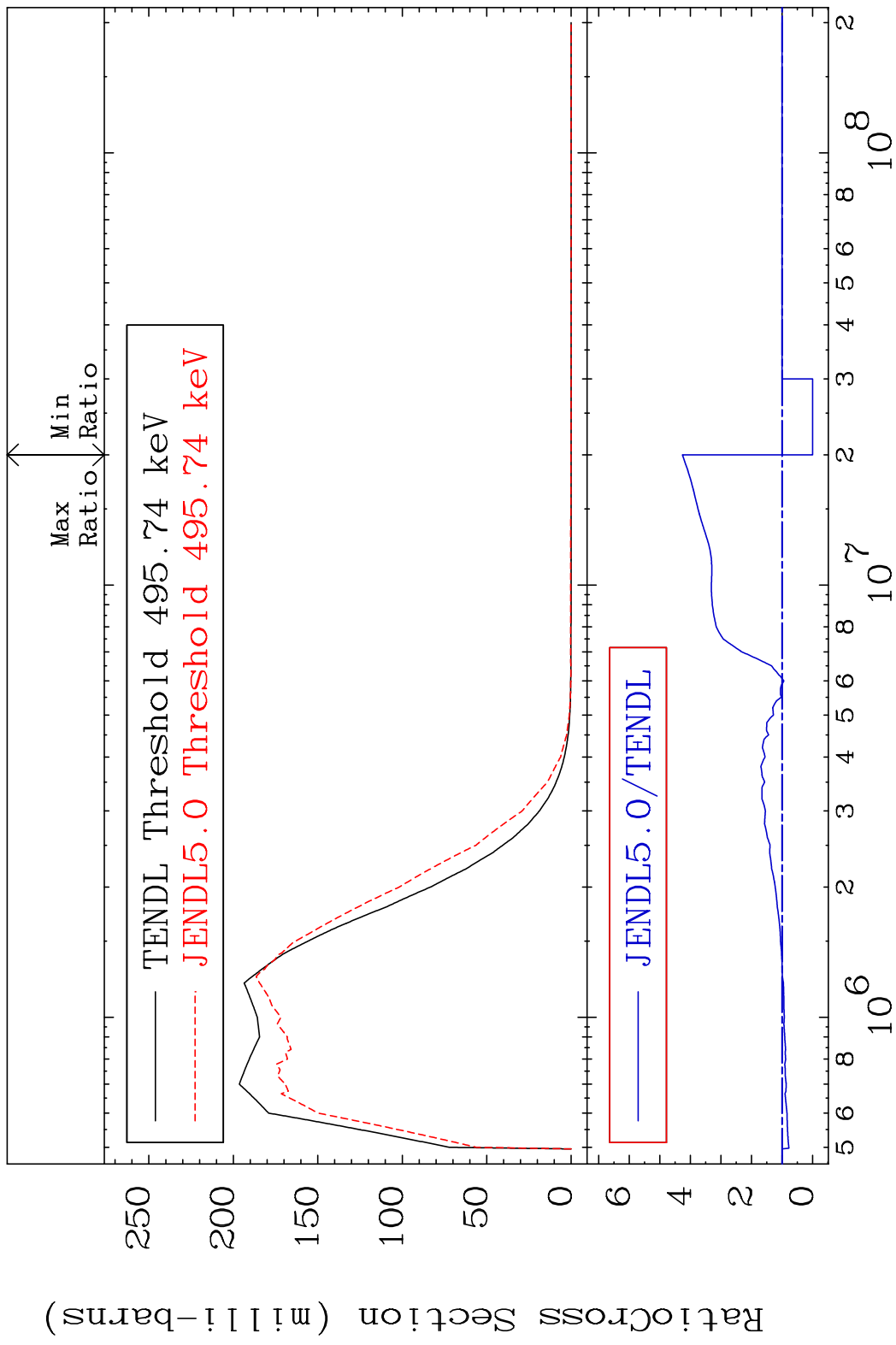
MAT 6143 (n,2n) p 61-Pm-145
 Cross Section -100.0 To 52.84 %



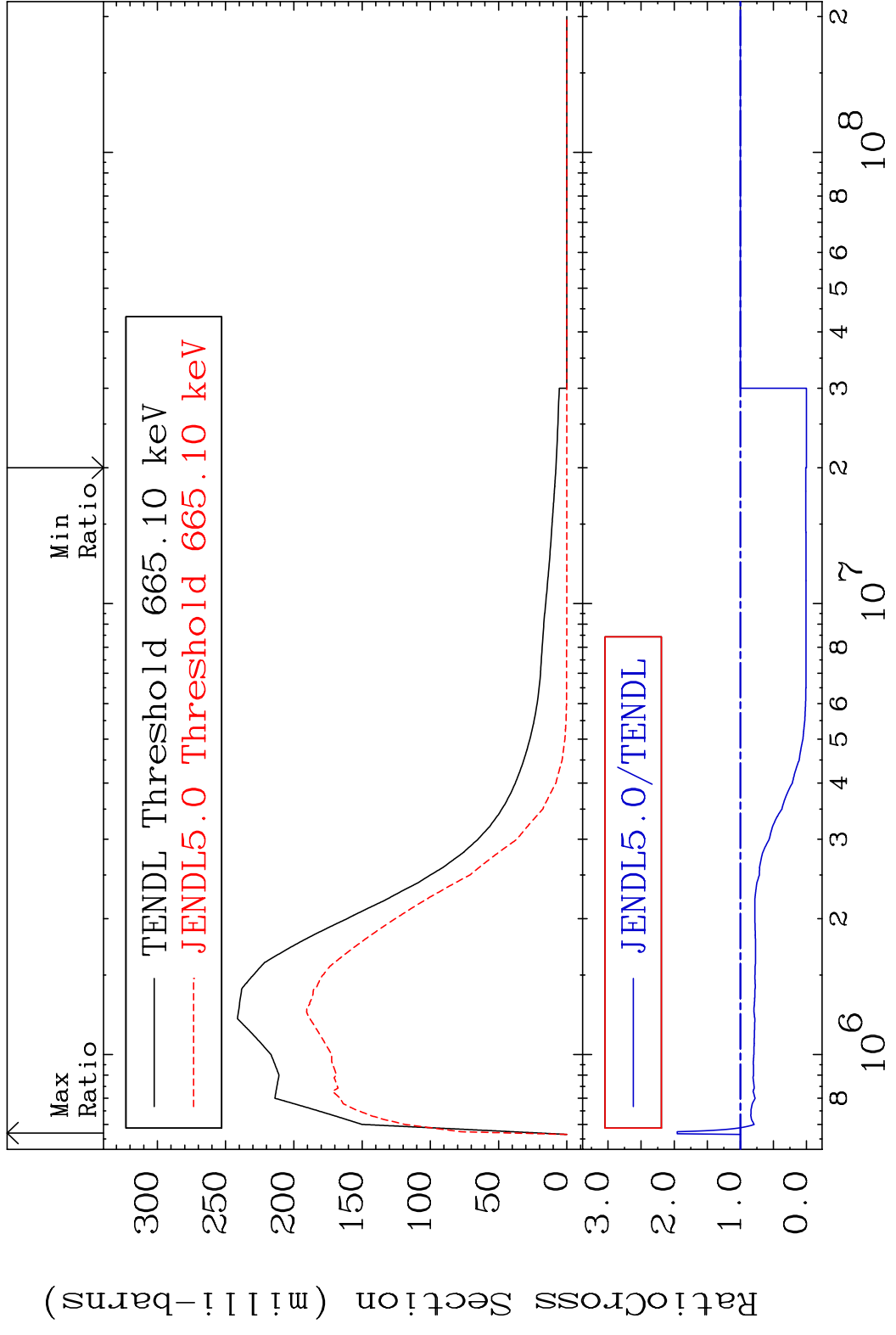
MAT 6143 MT= 51 (n,n') Level 61-Pm-145
 Cross Section -100.0 To 197.8 %



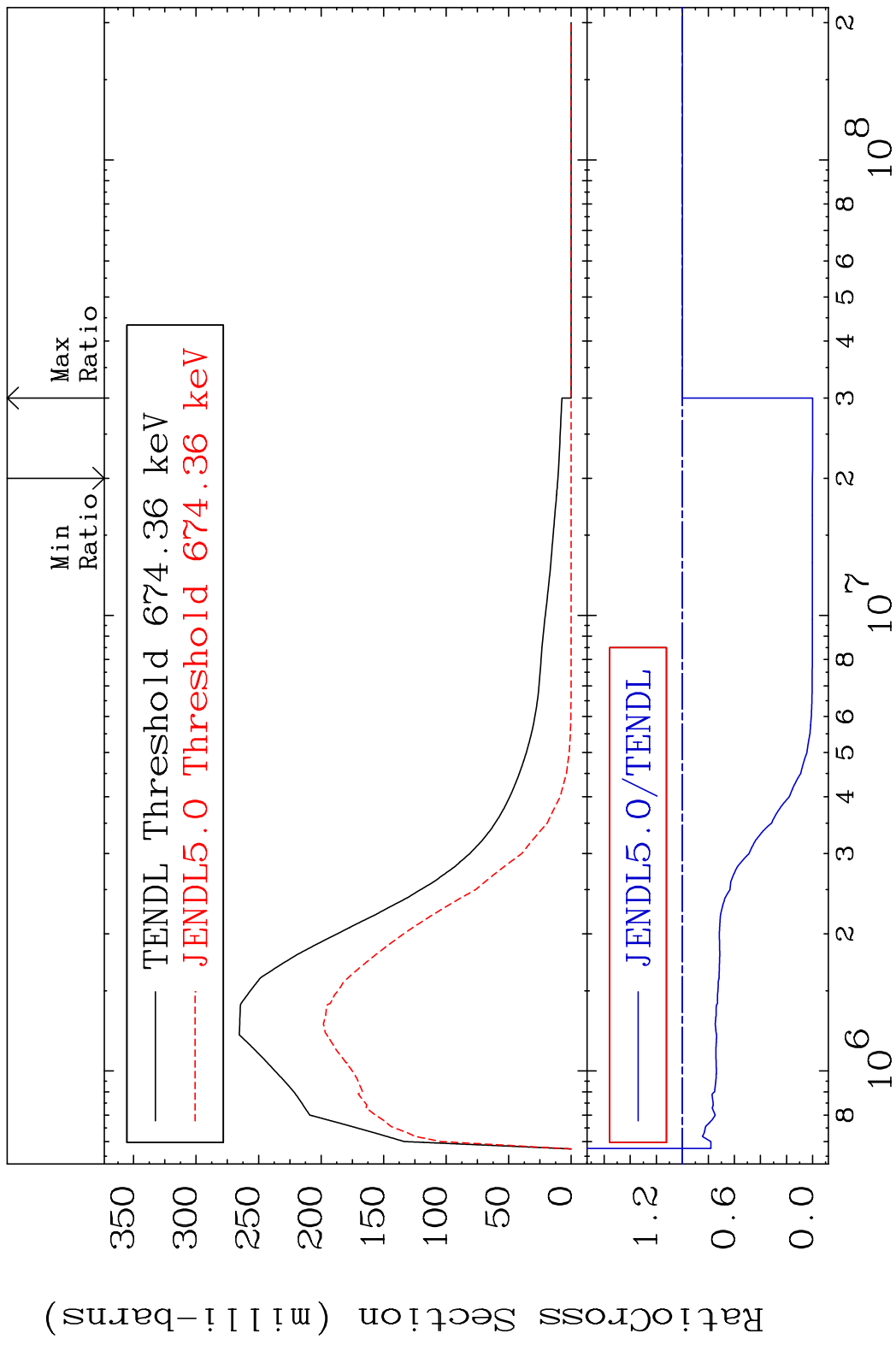
MAT 6143 MT= 52 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 326.2 %



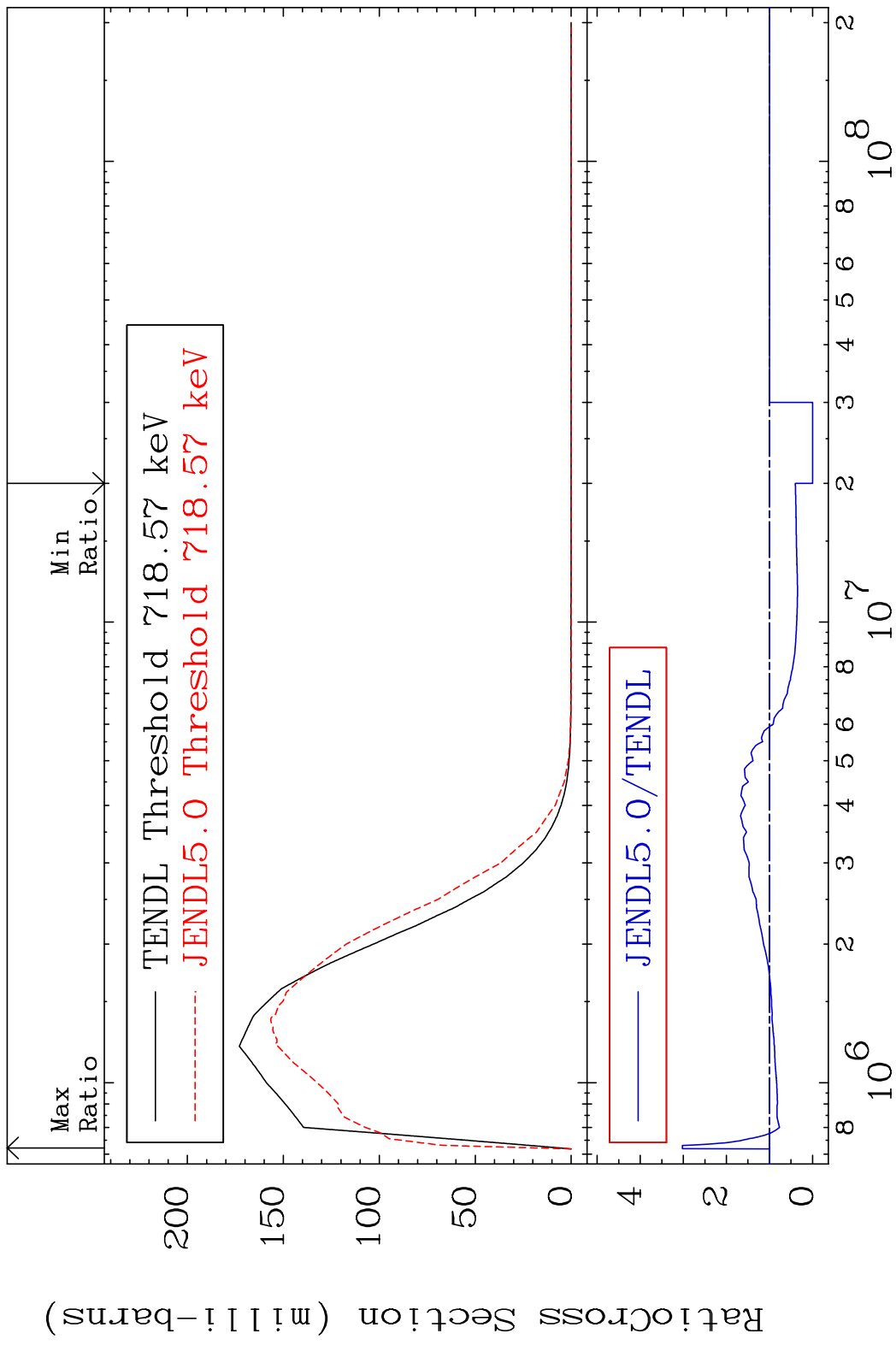
MAT 6143 MT= 53 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 95.44 %



MAT 6143 MT= 54 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 0.000 %

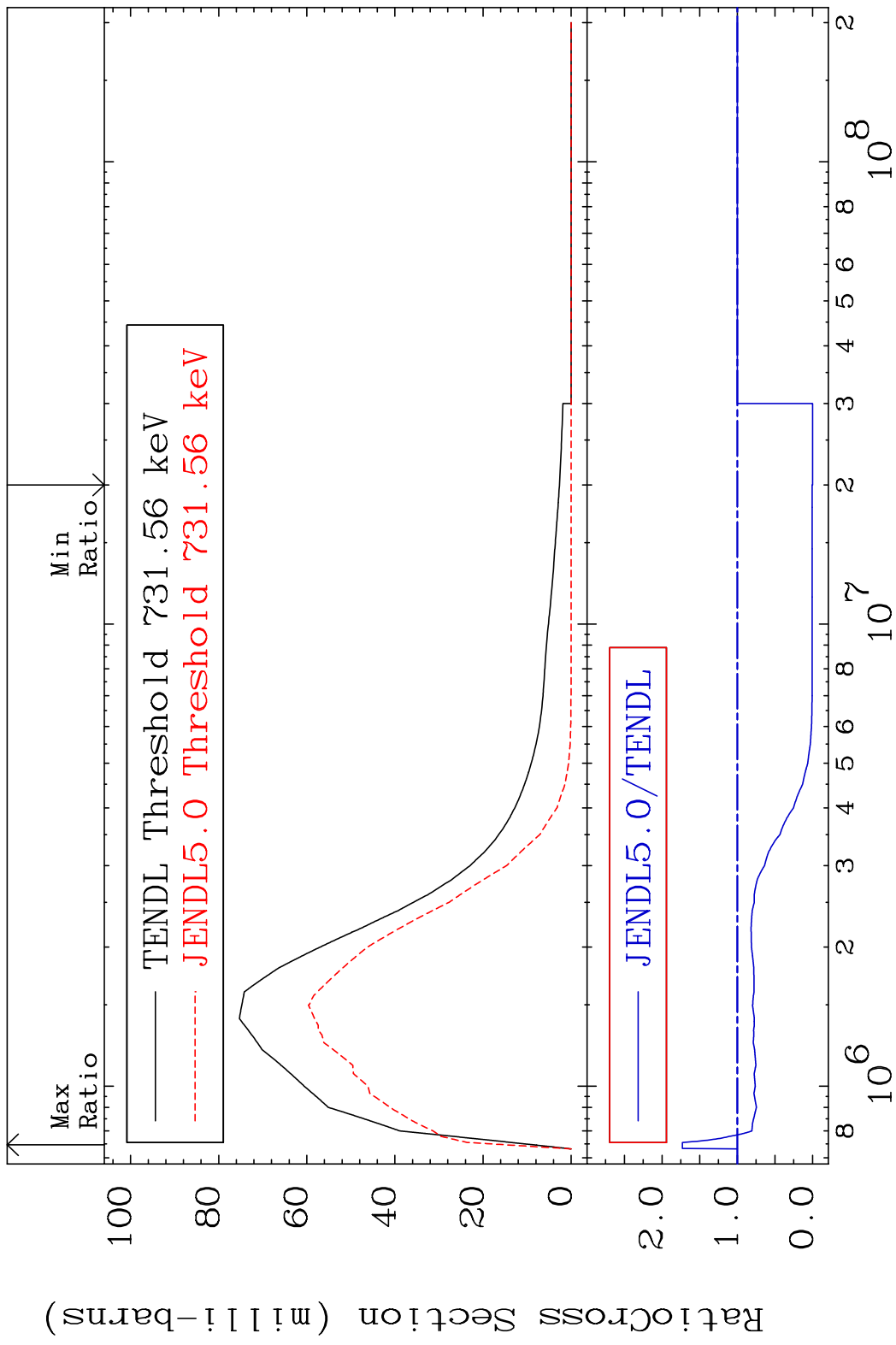


MAT 6143 MT= 55 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 202.2 %



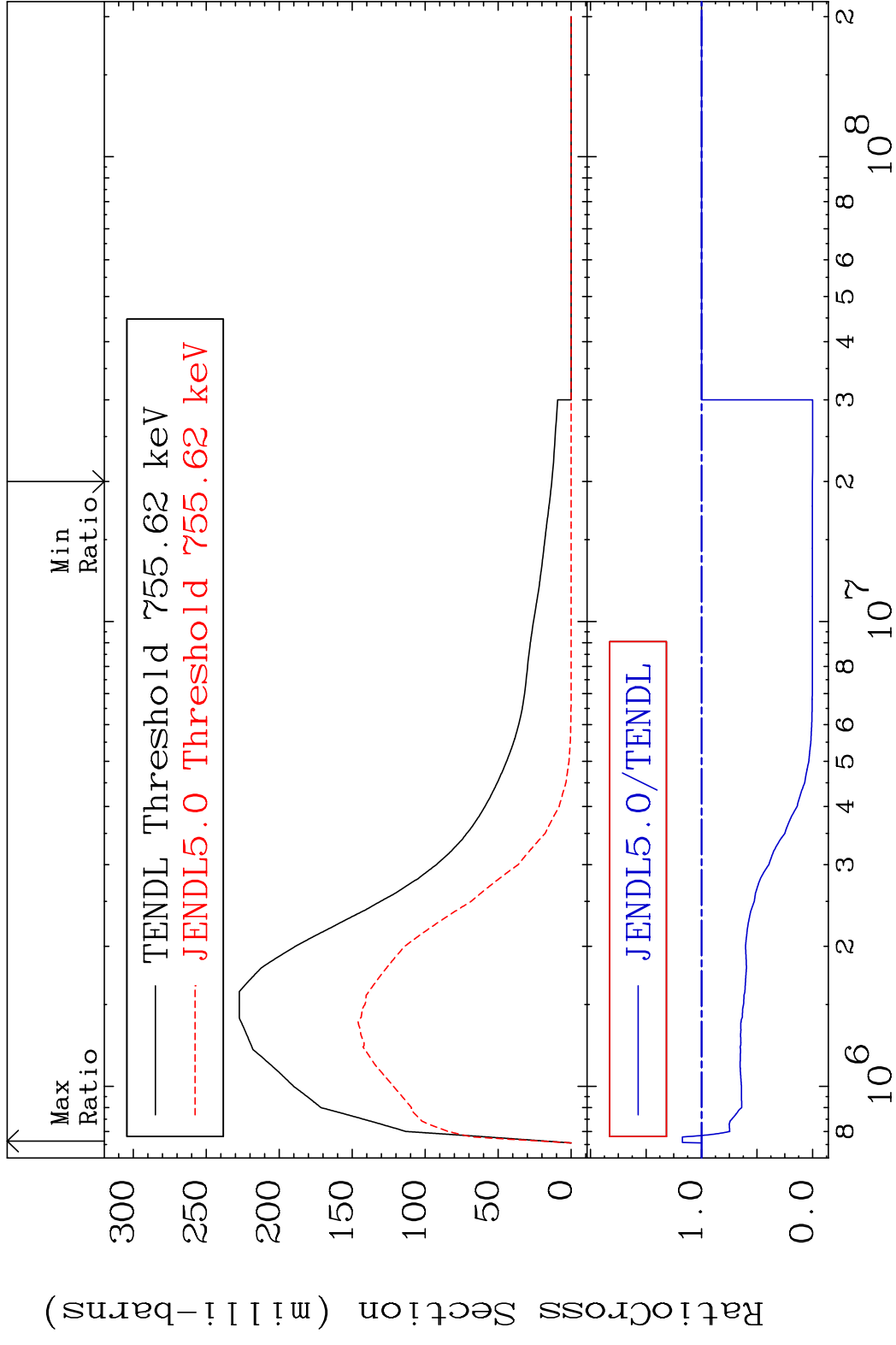
17 Incident Energy (eV) 61-Pm-145

MAT 6143 MT= 56 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 72.97 %



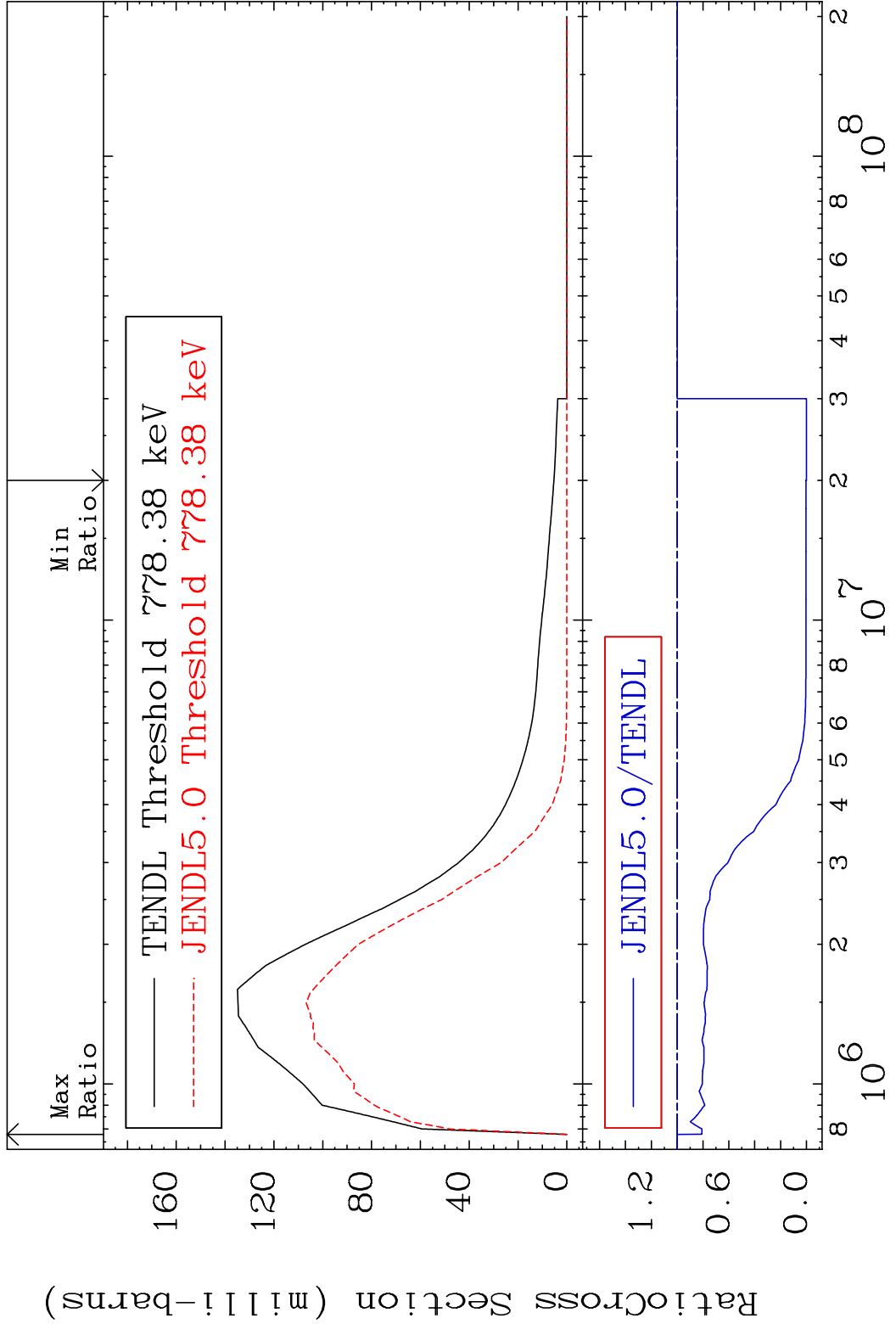
18 Incident Energy (eV) 61-Pm-145

MAT 6143 MT= 57 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 17.28 %



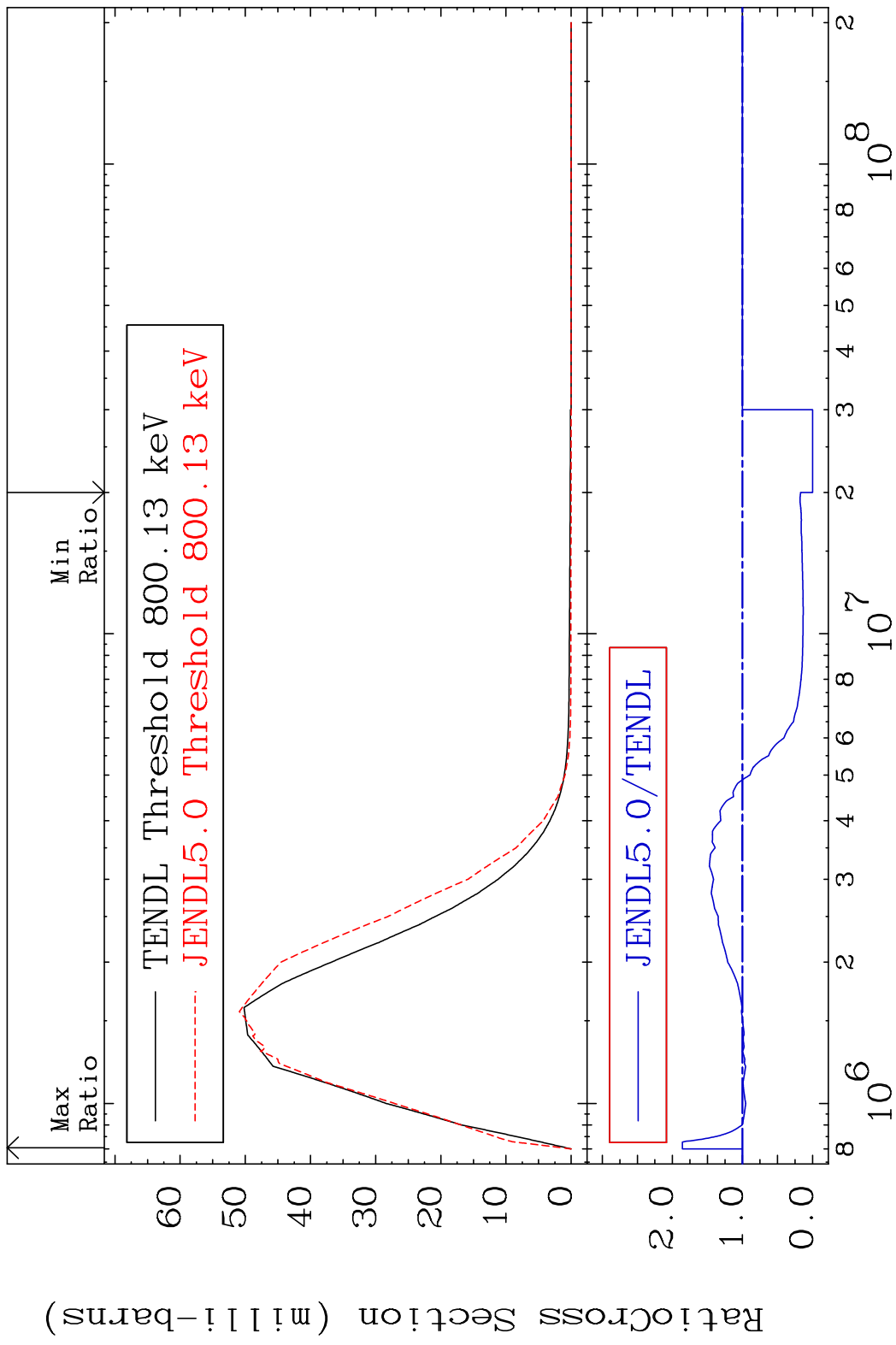
19 19 Incident Energy (eV) 61-Pm-145

MAT 6143 MT= 58 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 0.000 %

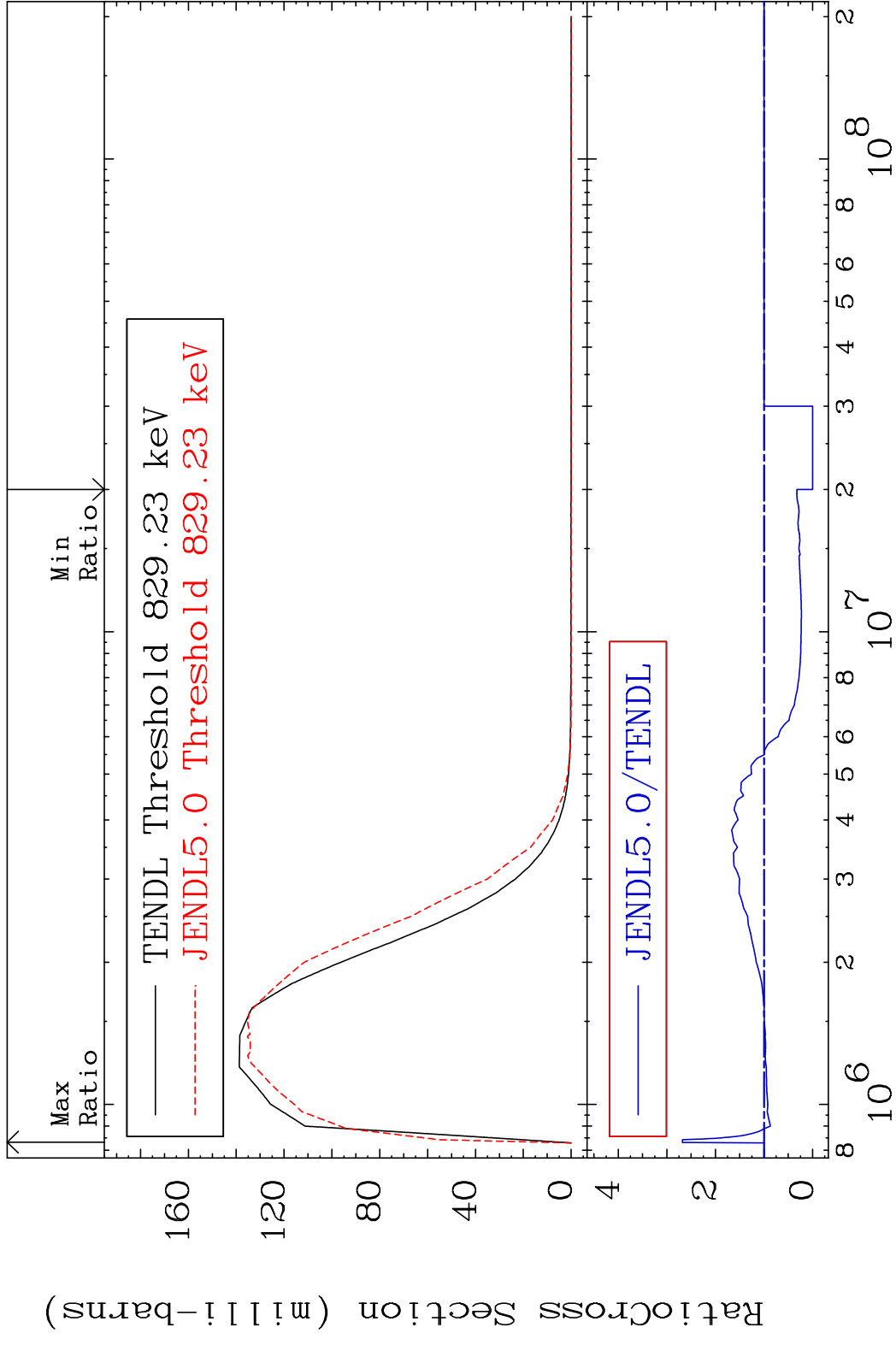


20 Incident Energy (eV) 61-Pm-145

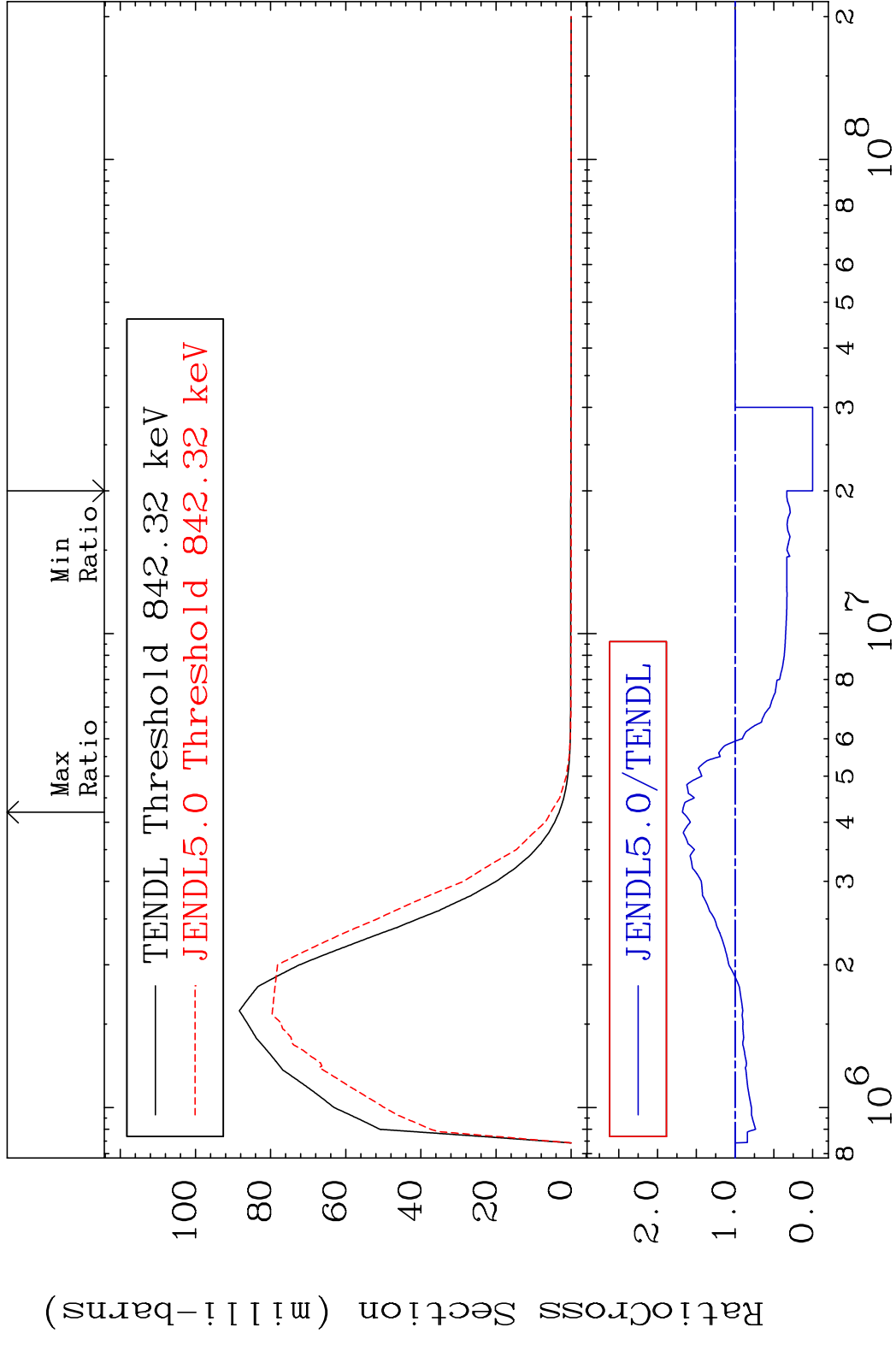
MAT 6143 MT= 59 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 85.79 %



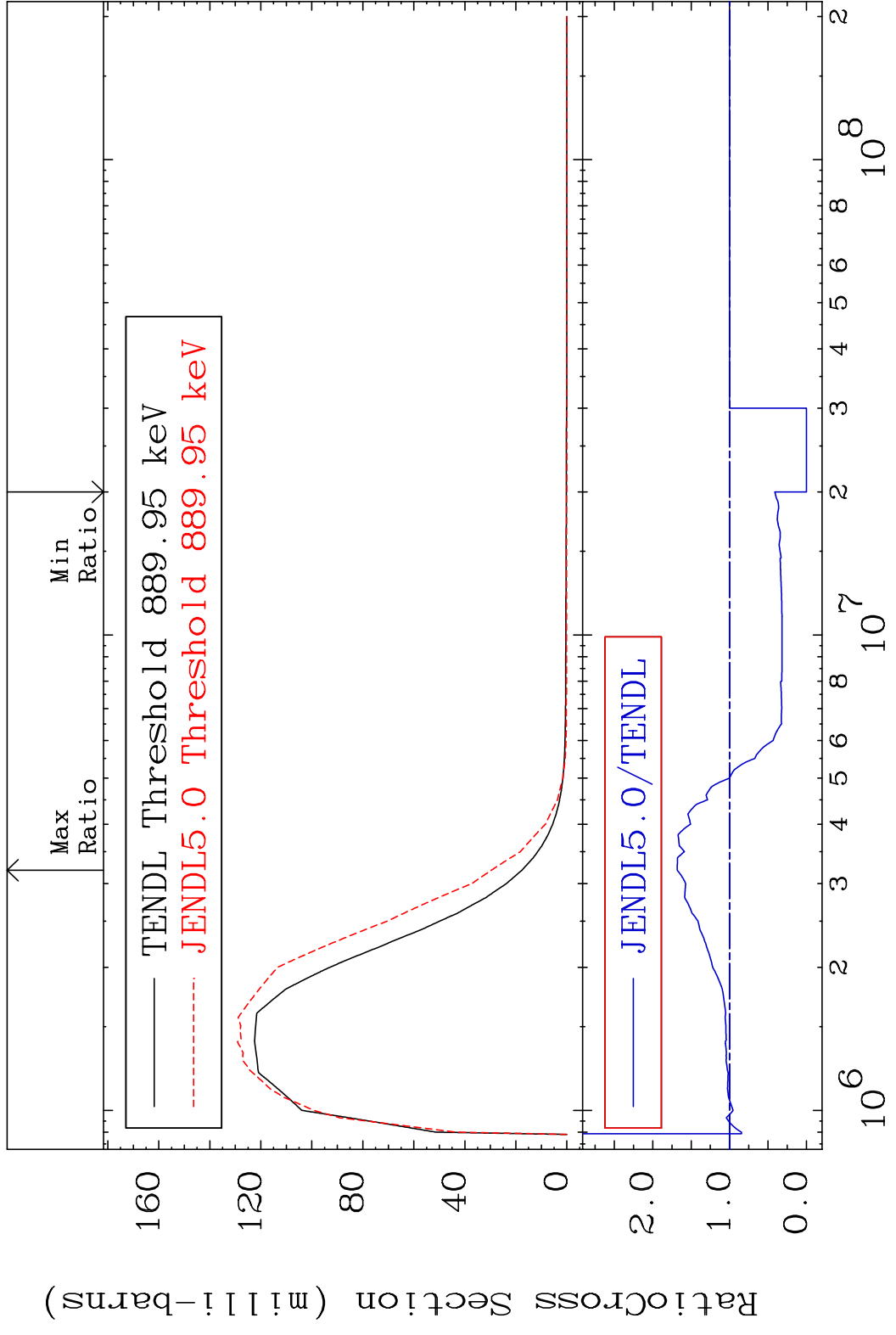
MAT 6143 MT= 60 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 168.1 %



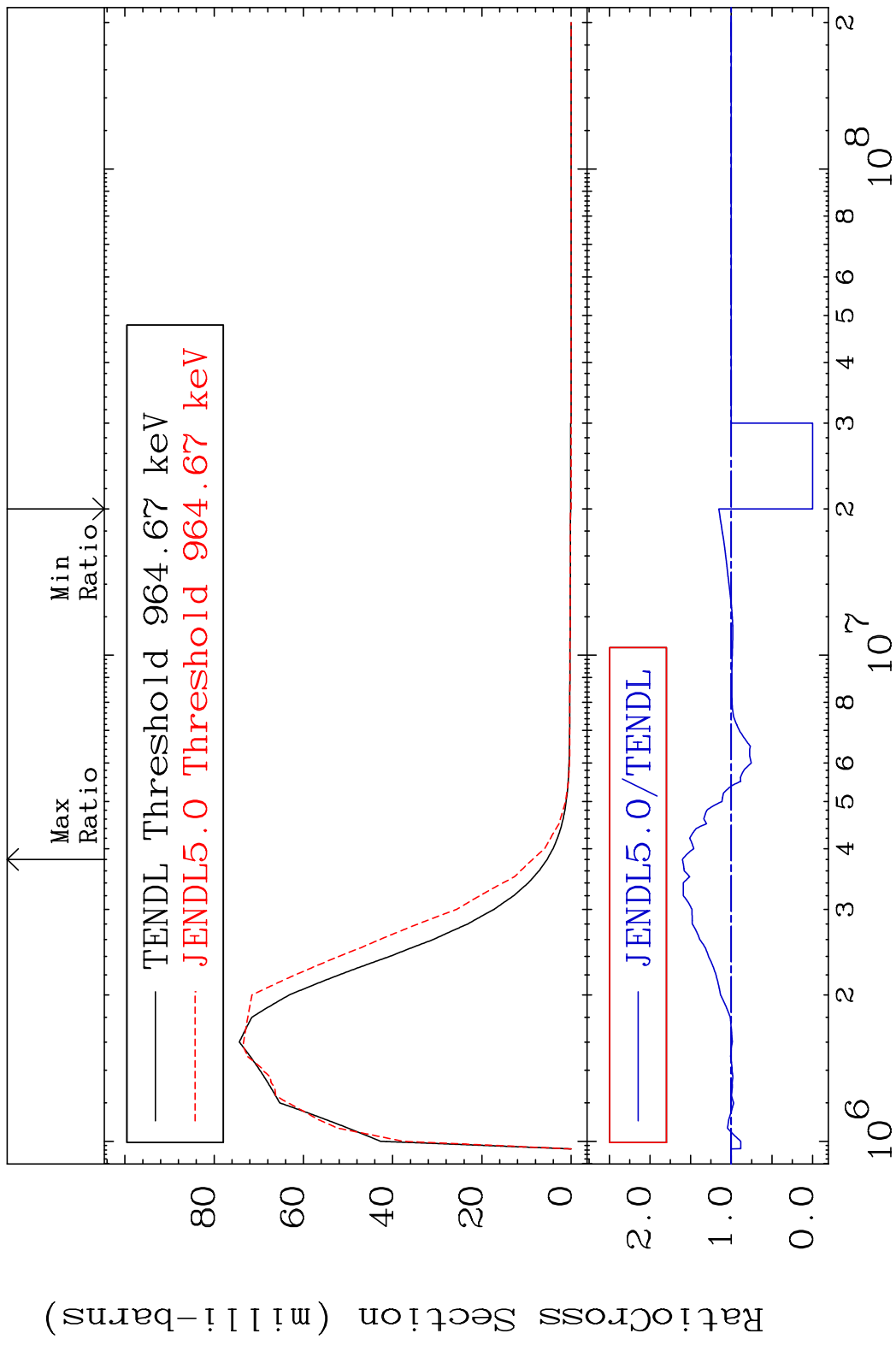
MAT 6143 MT= 61 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 67.92 %



MAT 6143 MT= 62 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 68.19 %

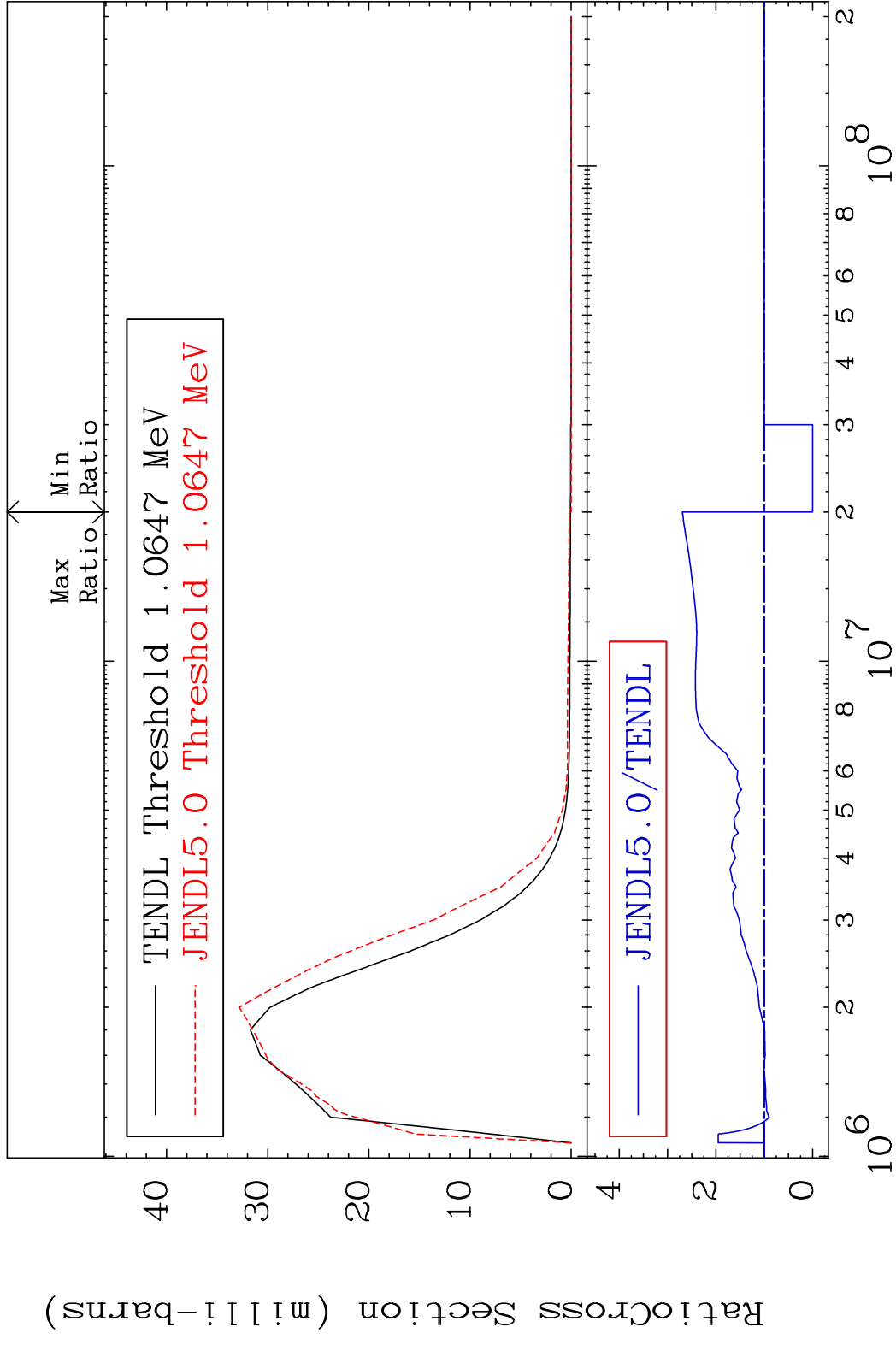


MAT 6143 MT= 63 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 60.21 %



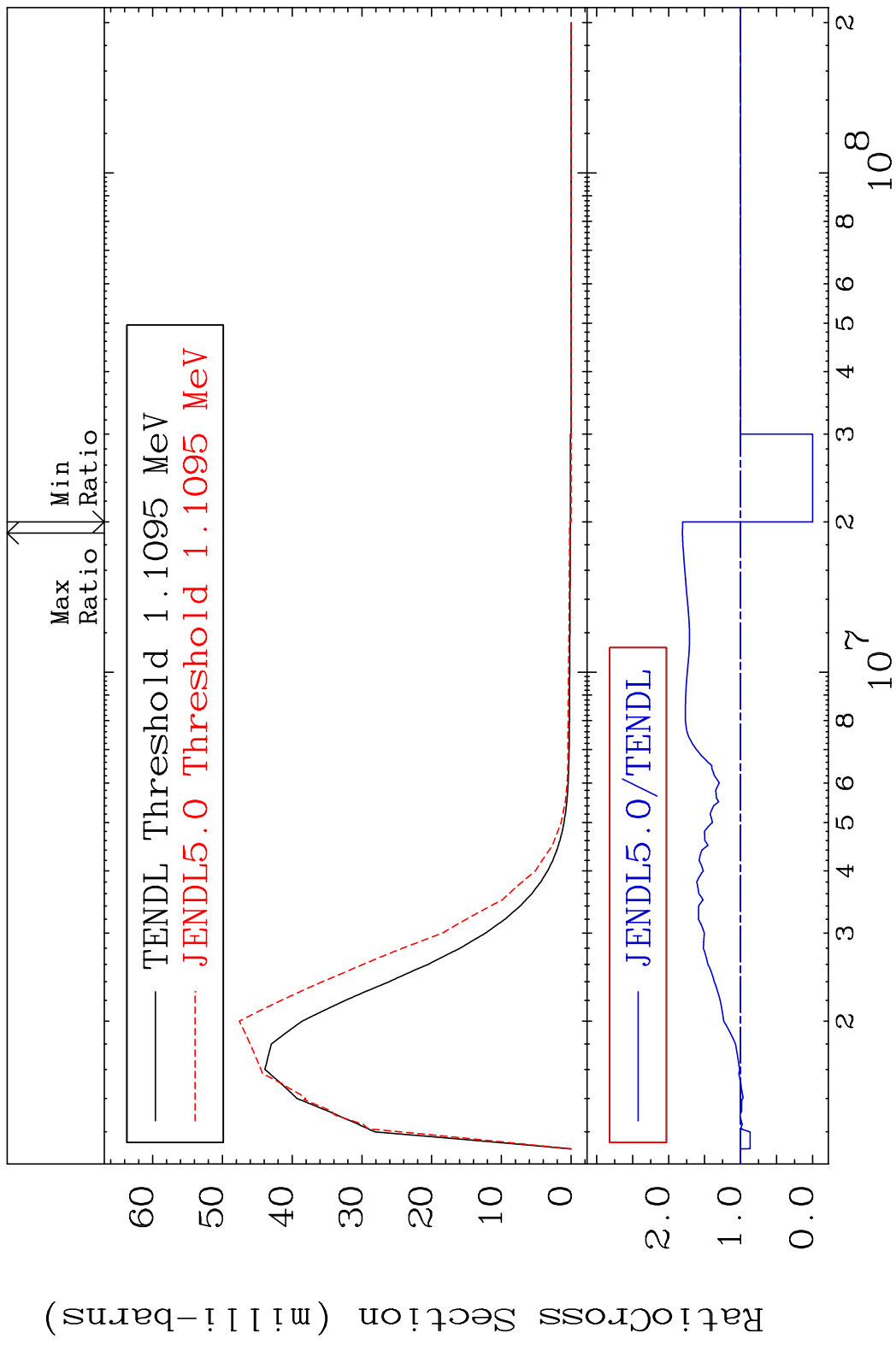
25 61-Pm-145

MAT 6143 MT= 64 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 169.5 %

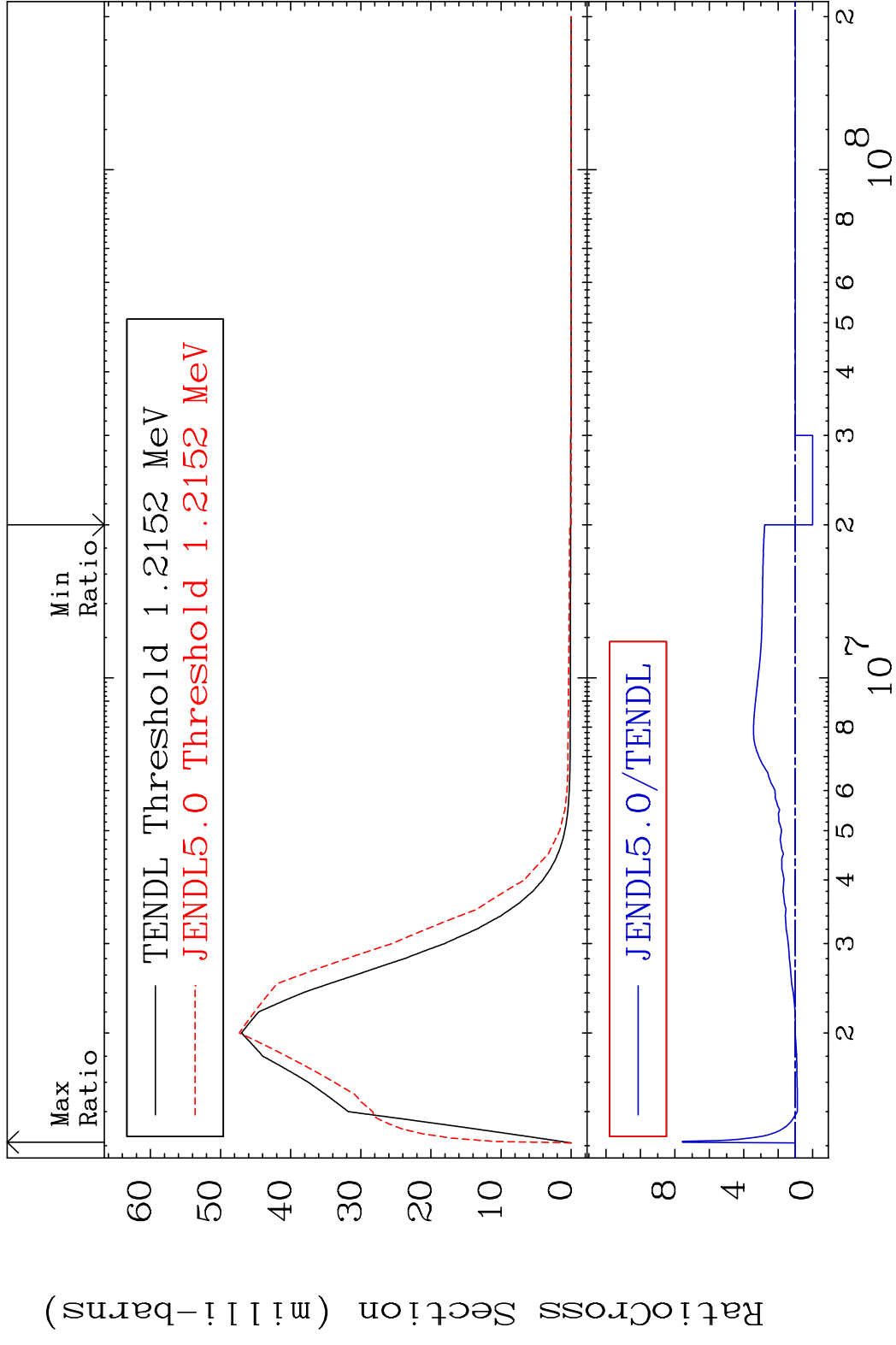


26 Incident Energy (eV) 61-Pm-145

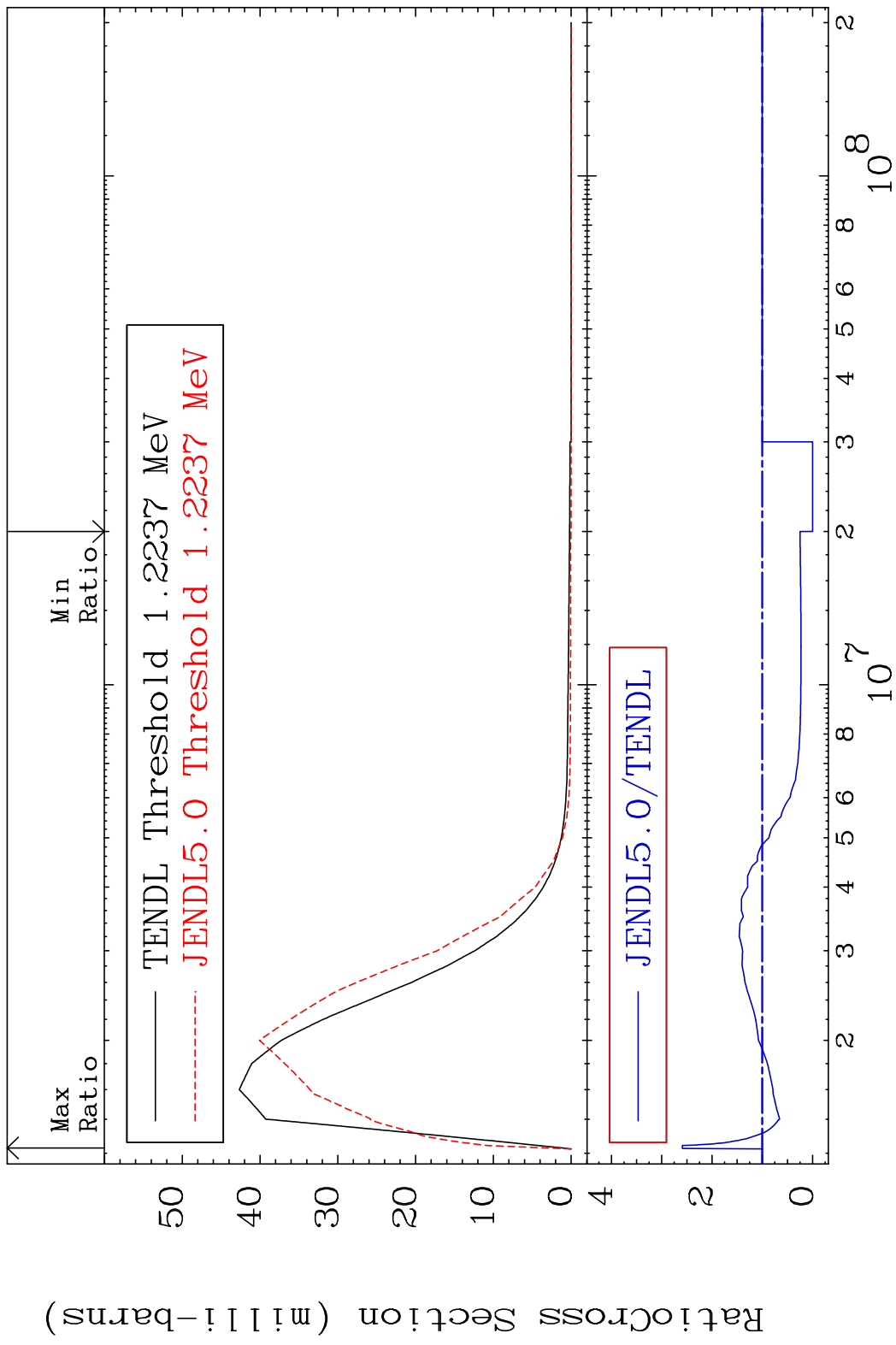
MAT 6143 MT= 65 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 80.94 %



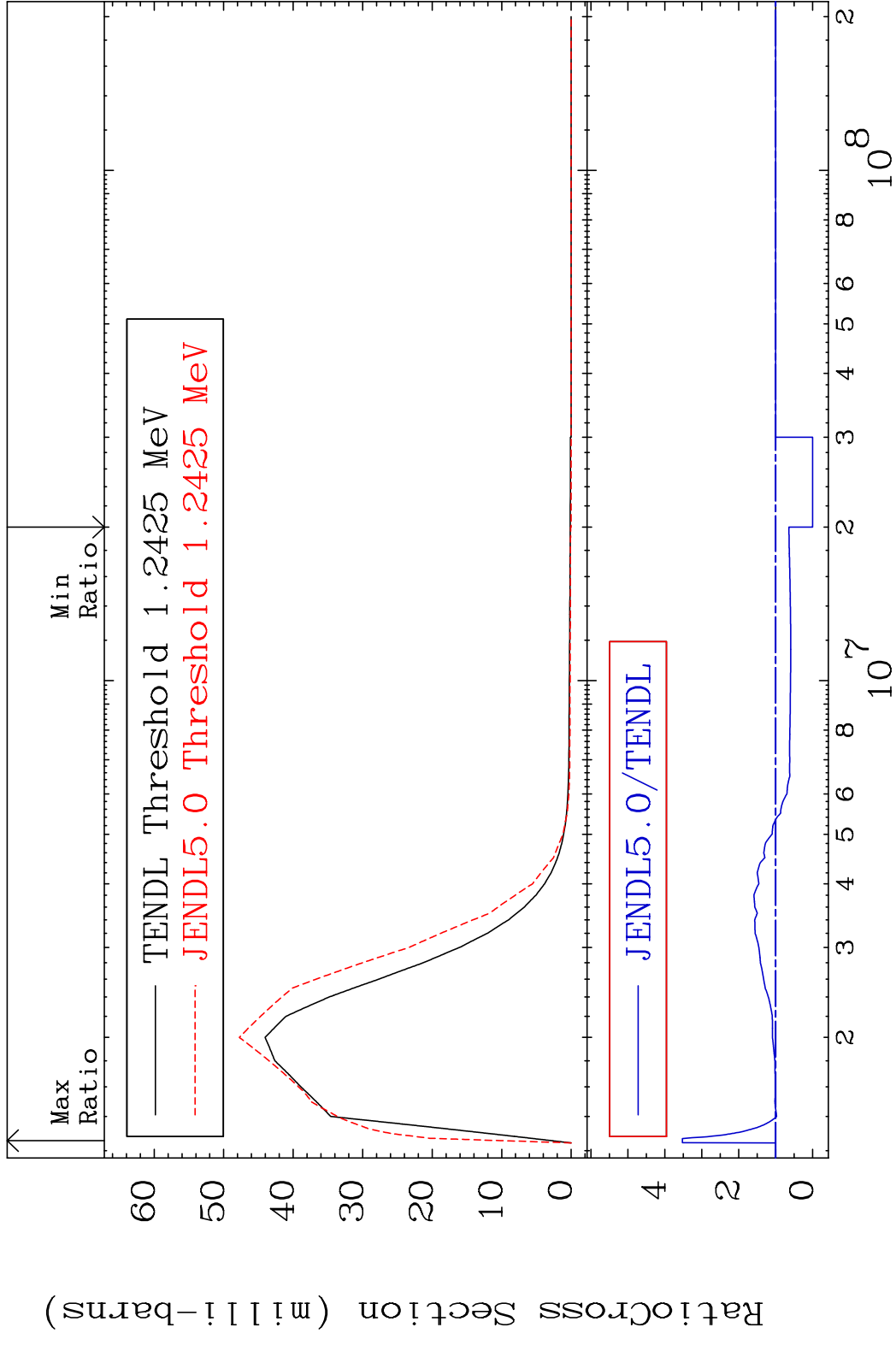
MAT 6143 MT= 66 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 656.8 %



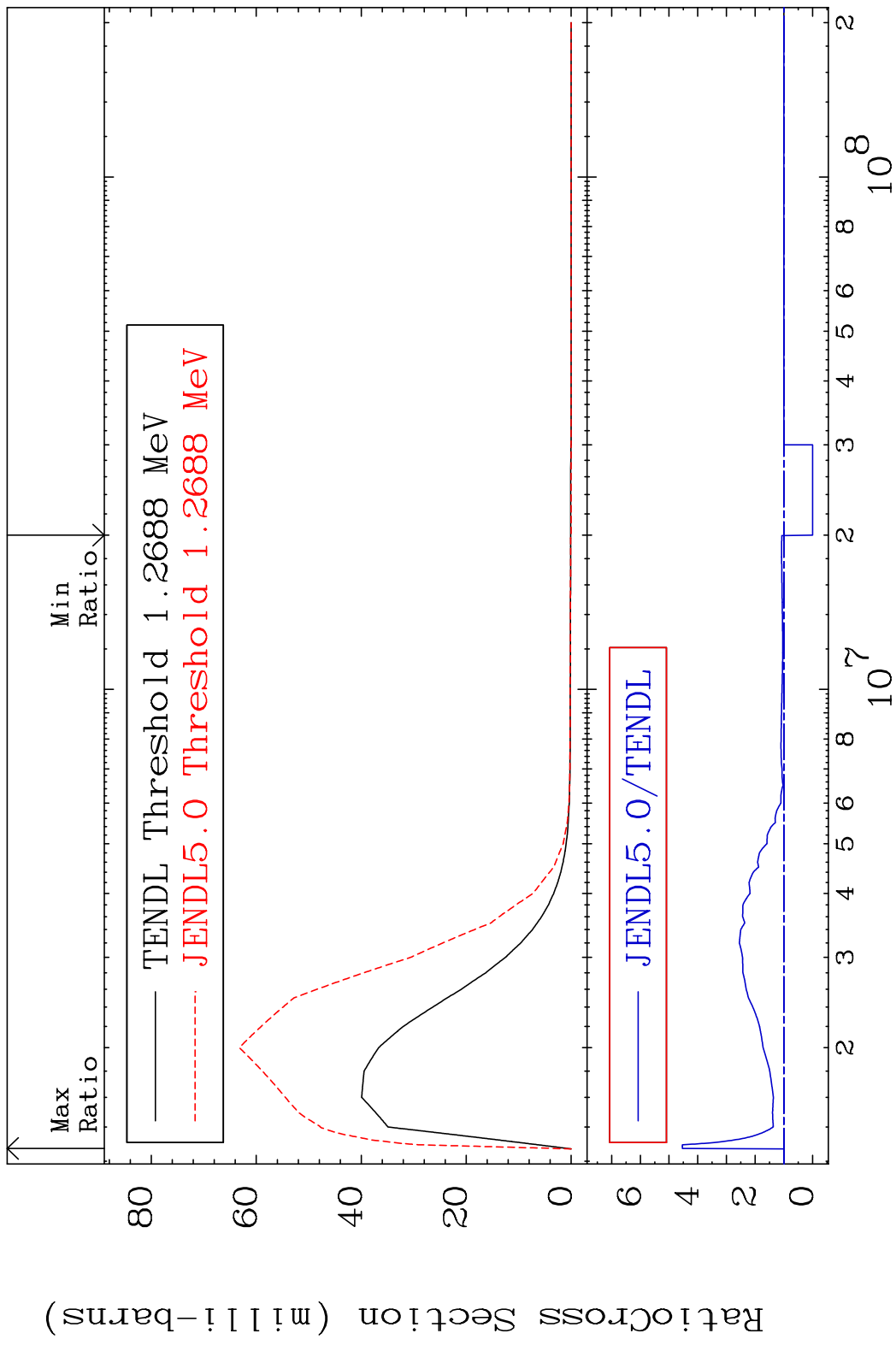
MAT 6143 MT= 67 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 159.0 %



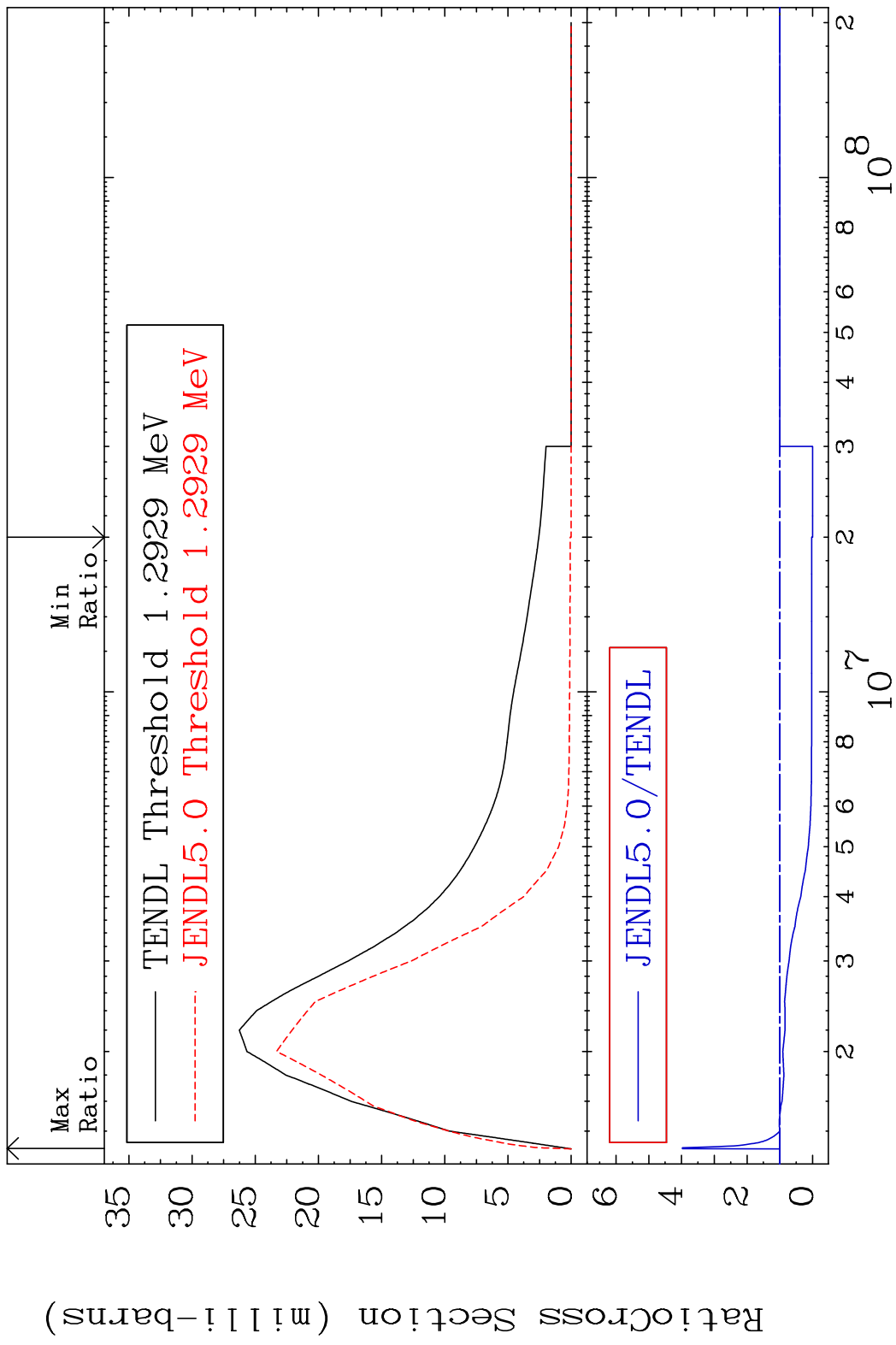
MAT 6143 MT= 68 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 252.5 %



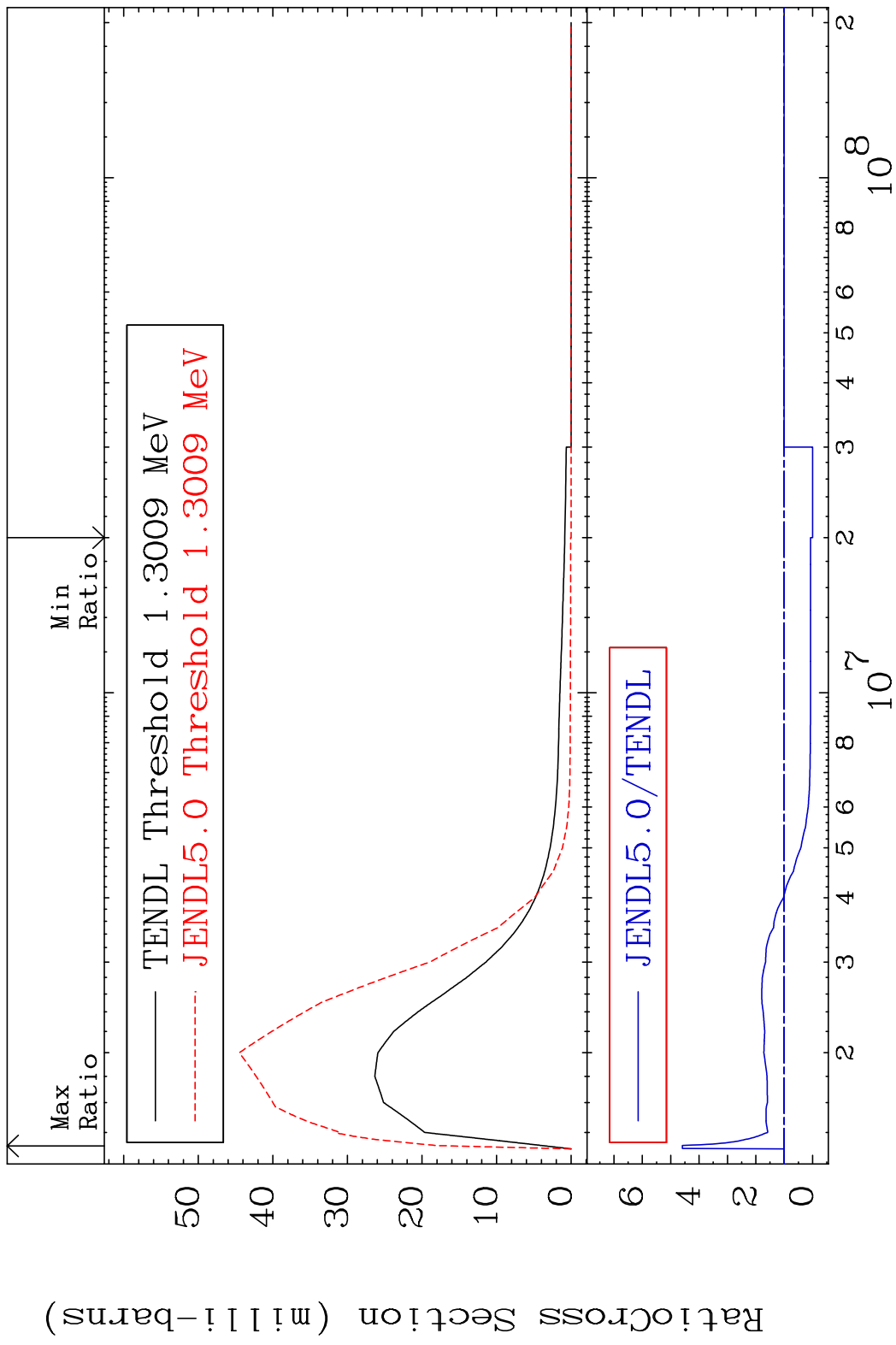
MAT 6143 MT= 69 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 353.6 %



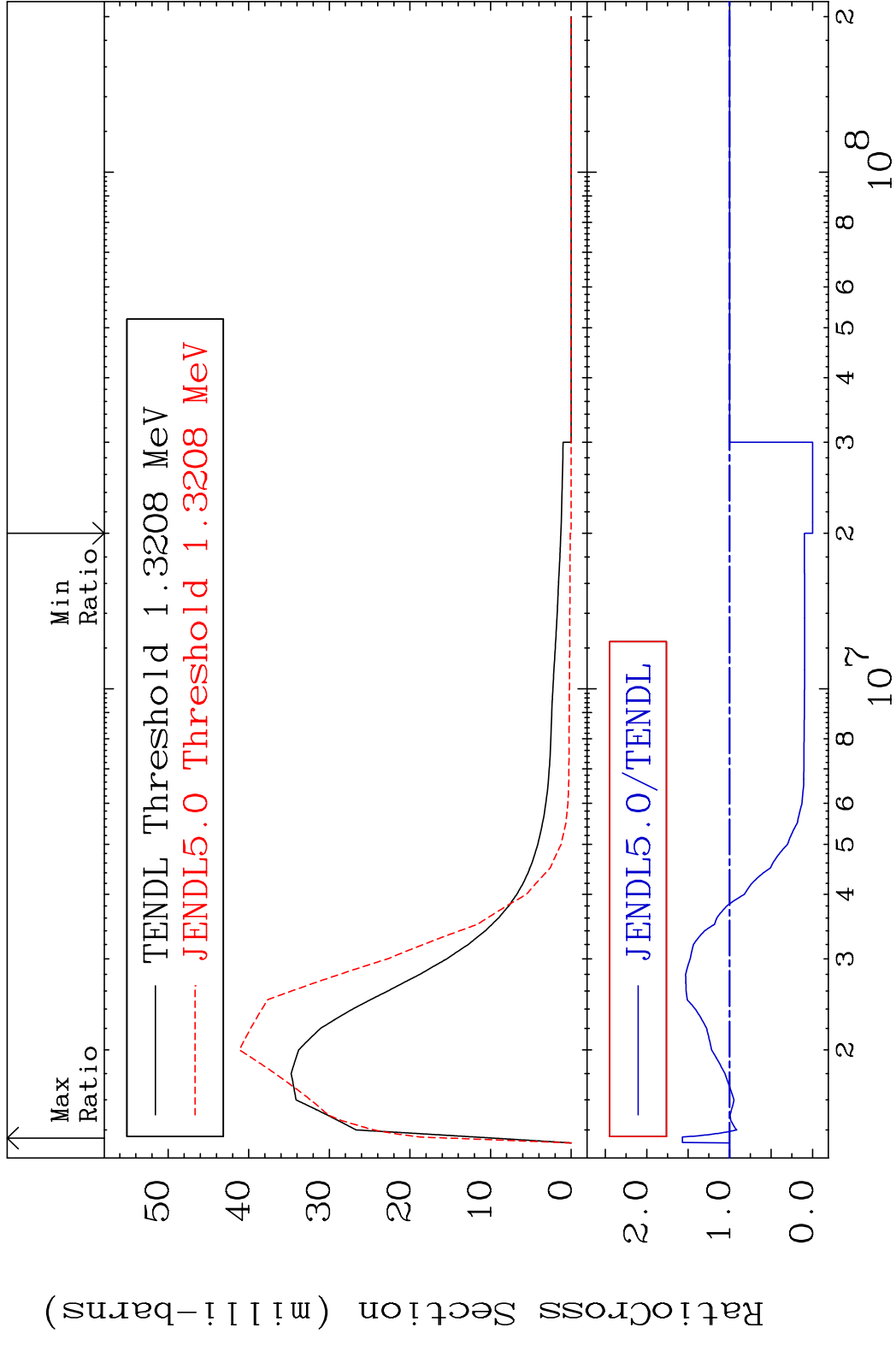
MAT 6143 MT= 70 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 297.5 %



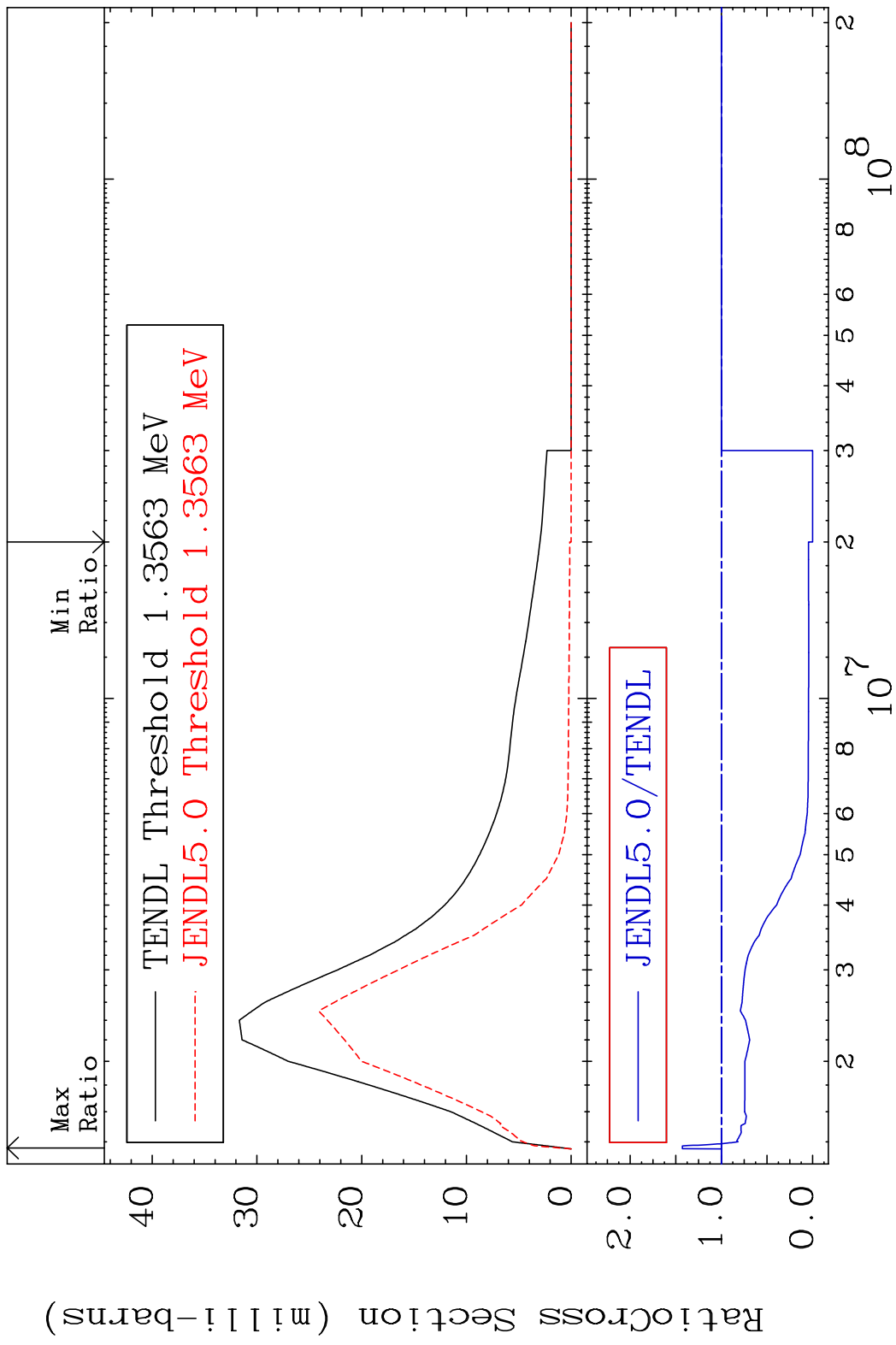
MAT 6143 MT= 71 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 359.0 %



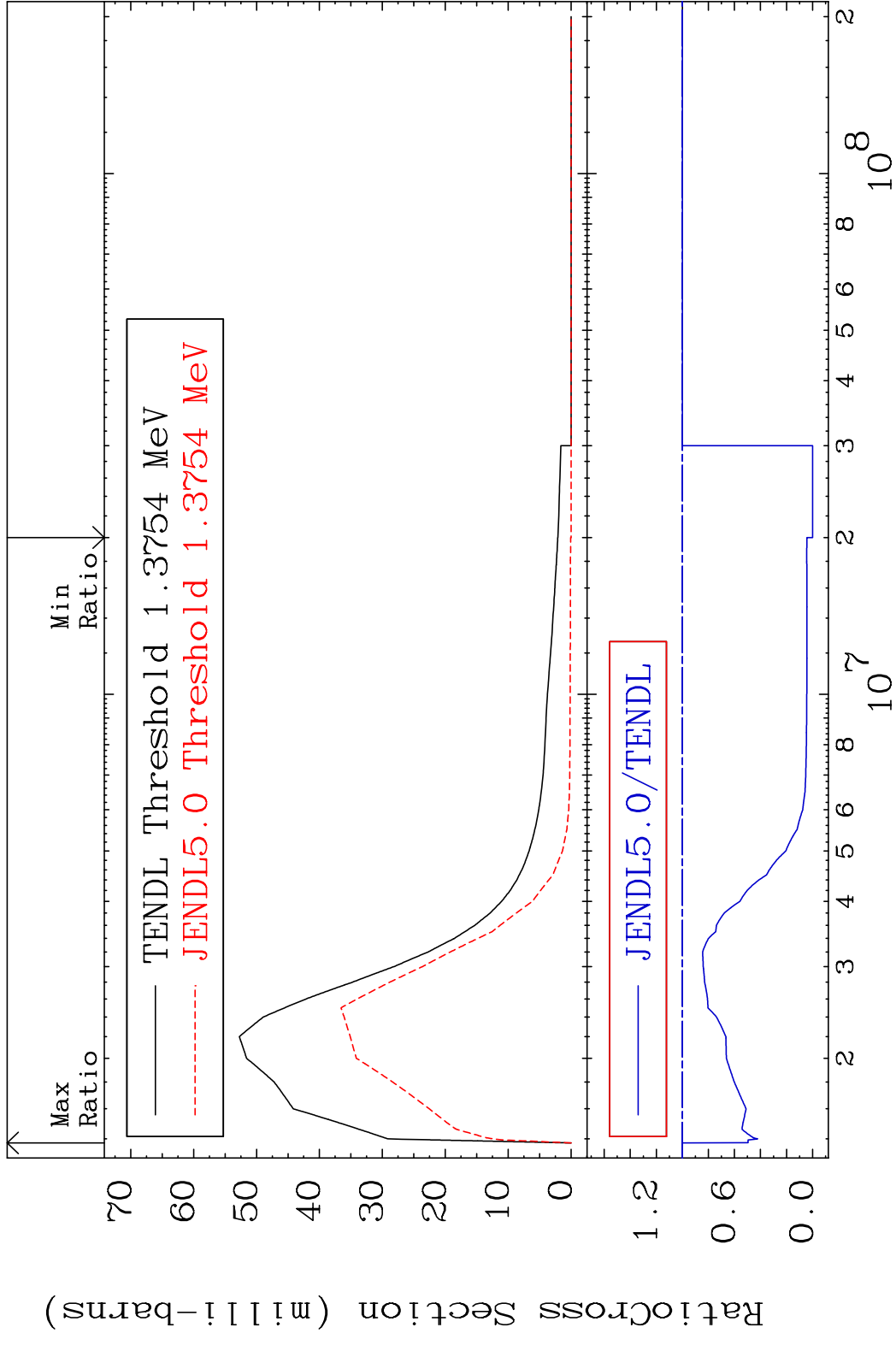
MAT 6143 MT= 72 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 57.04 %



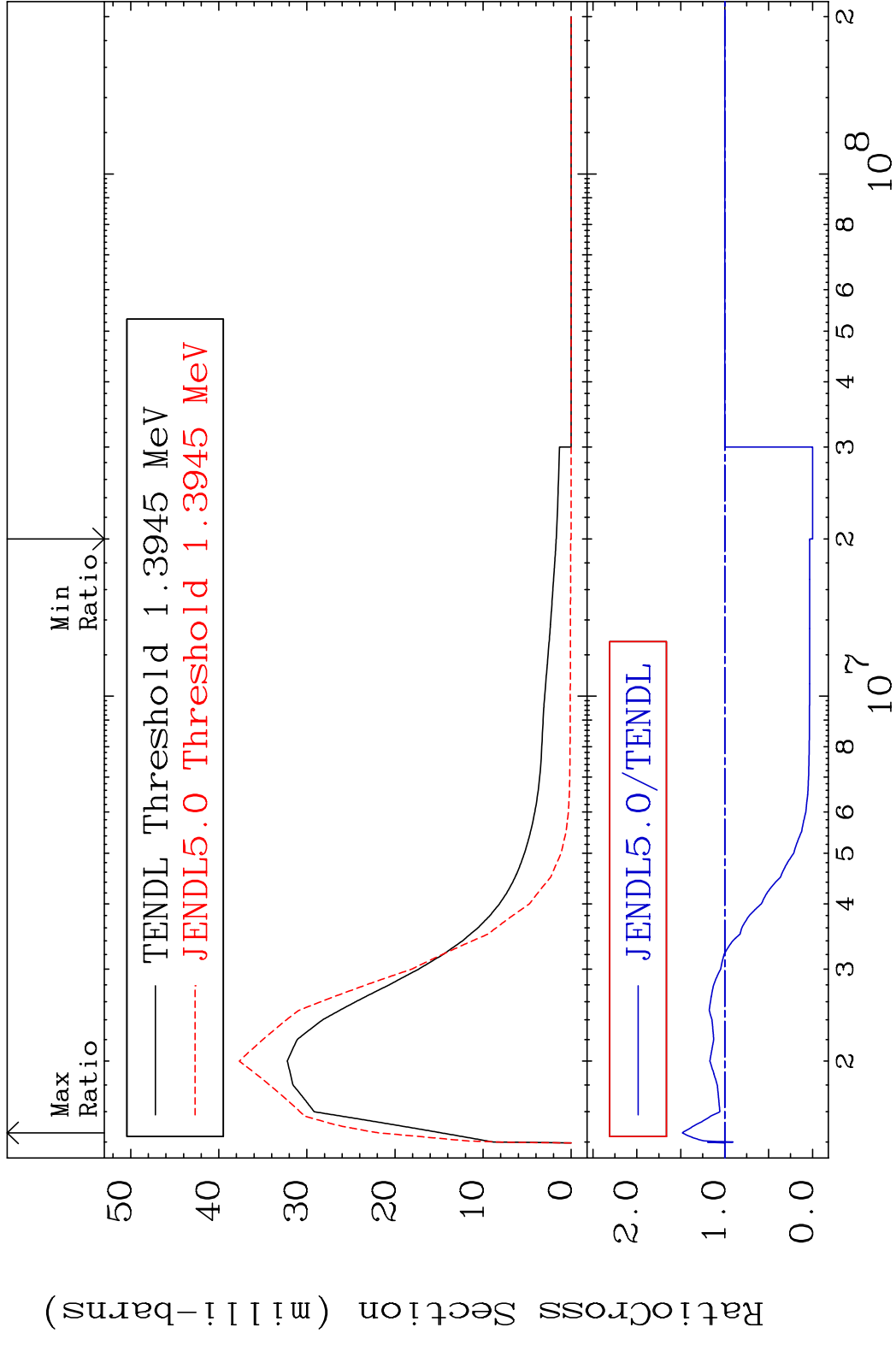
MAT 6143 MT= 73 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 42.73 %



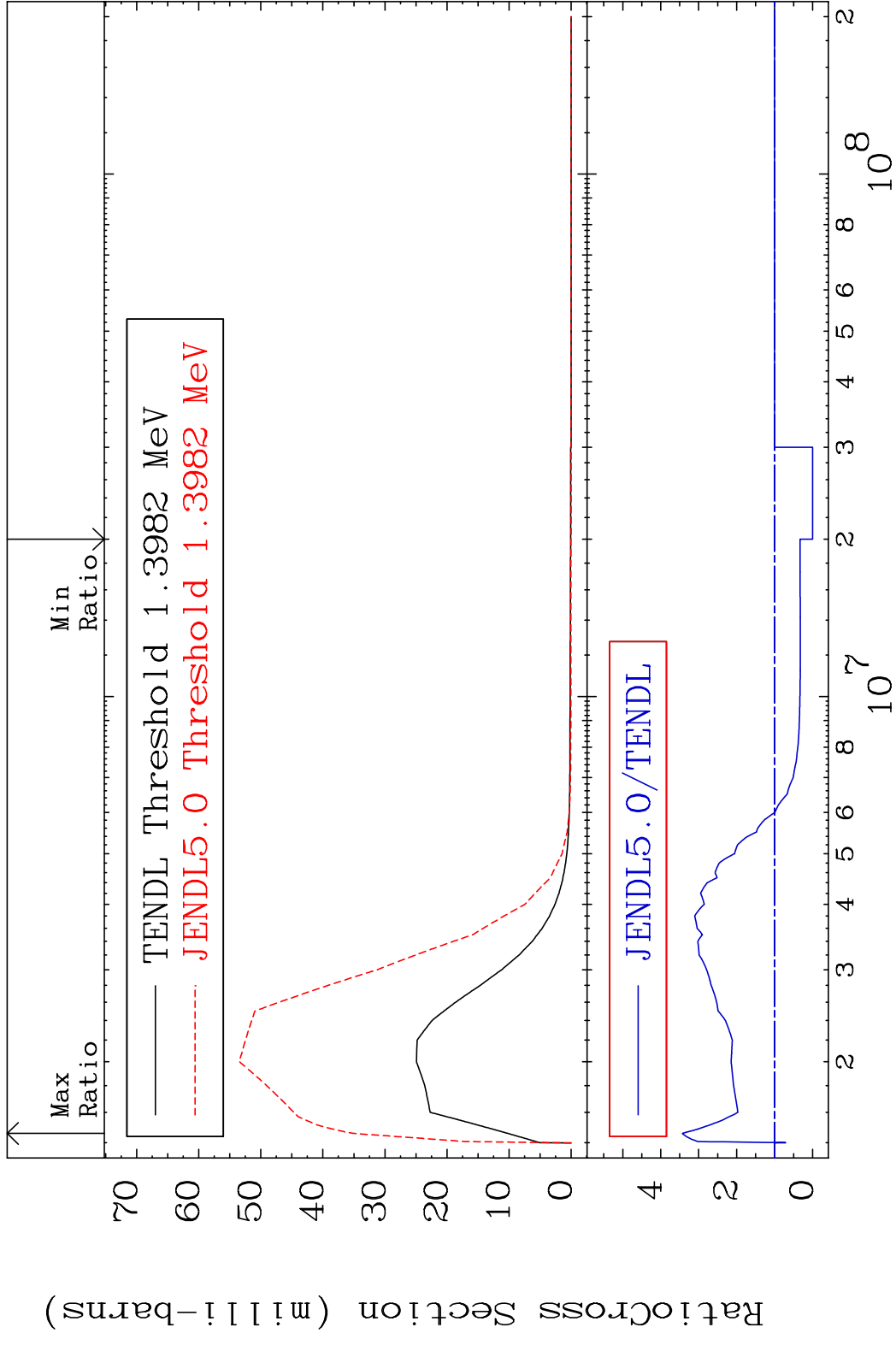
MAT 6143 MT= 74 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 0.000 %



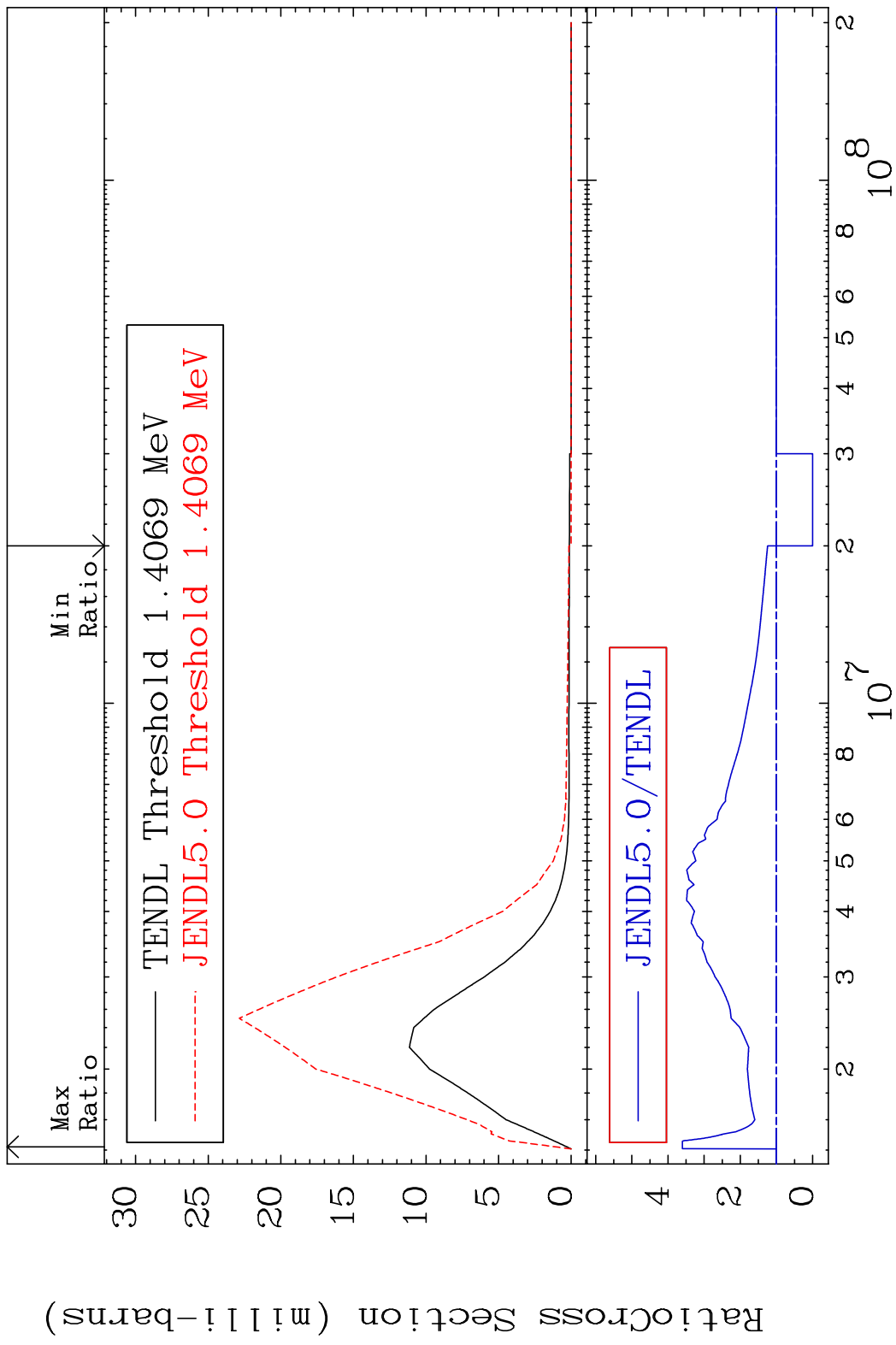
MAT 6143 MT= 75 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 48.21 %



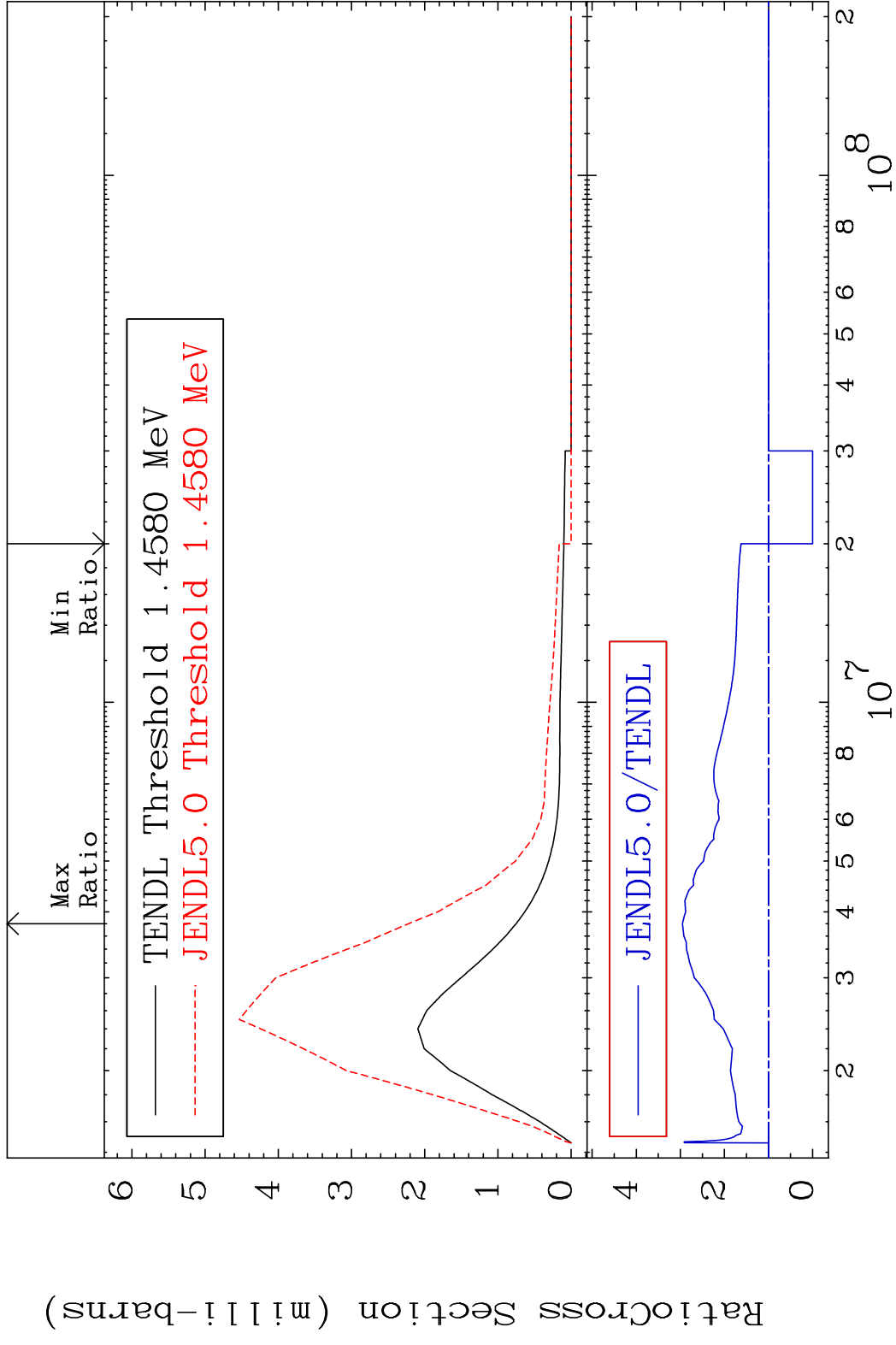
MAT 6143 MT= 76 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 243.0 %



MAT 6143 MT= 77 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 260.3 %

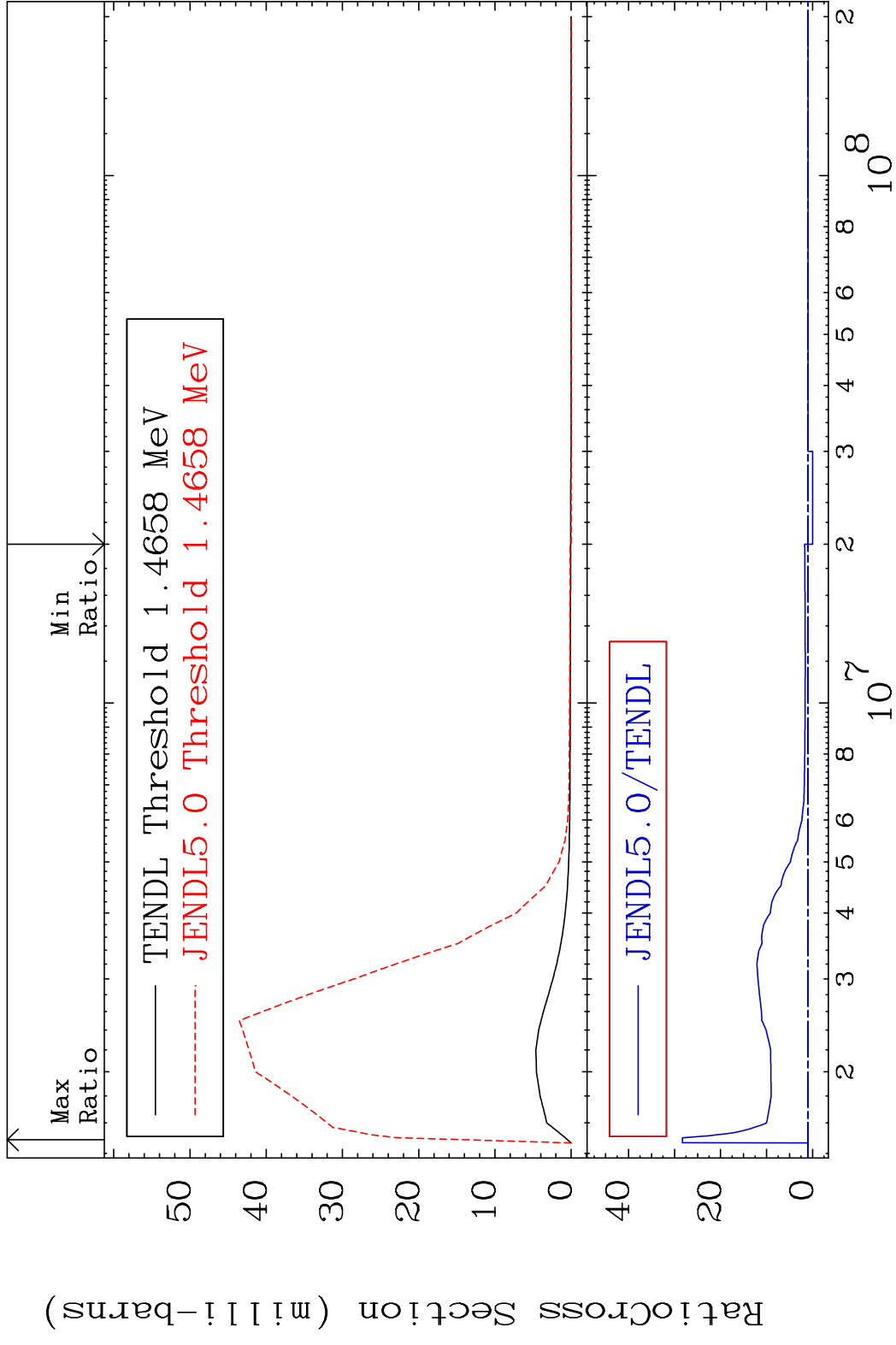


MAT 6143 MT= 78 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 195.4 %

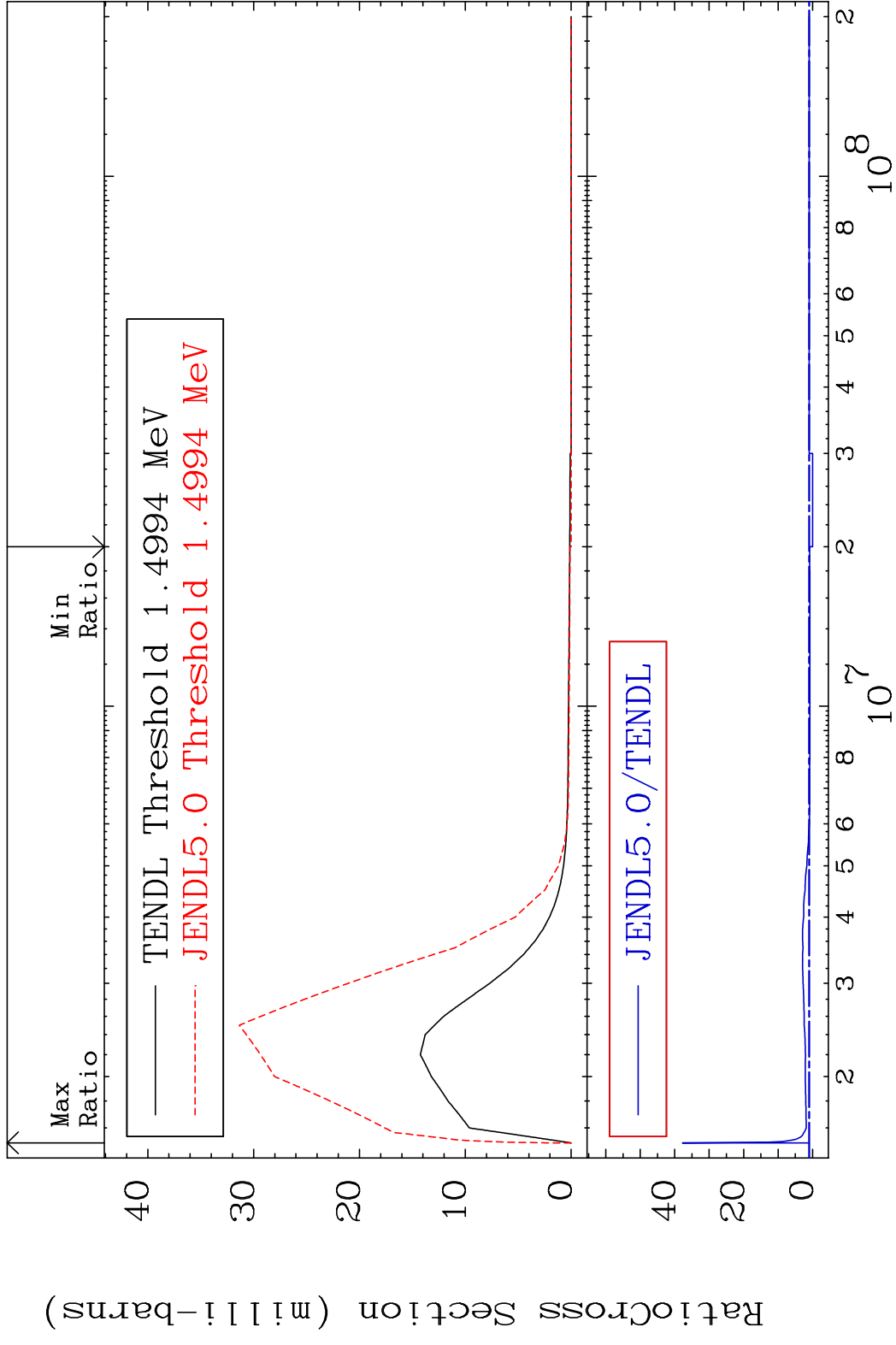


40 Incident Energy (eV) 61-Pm-145

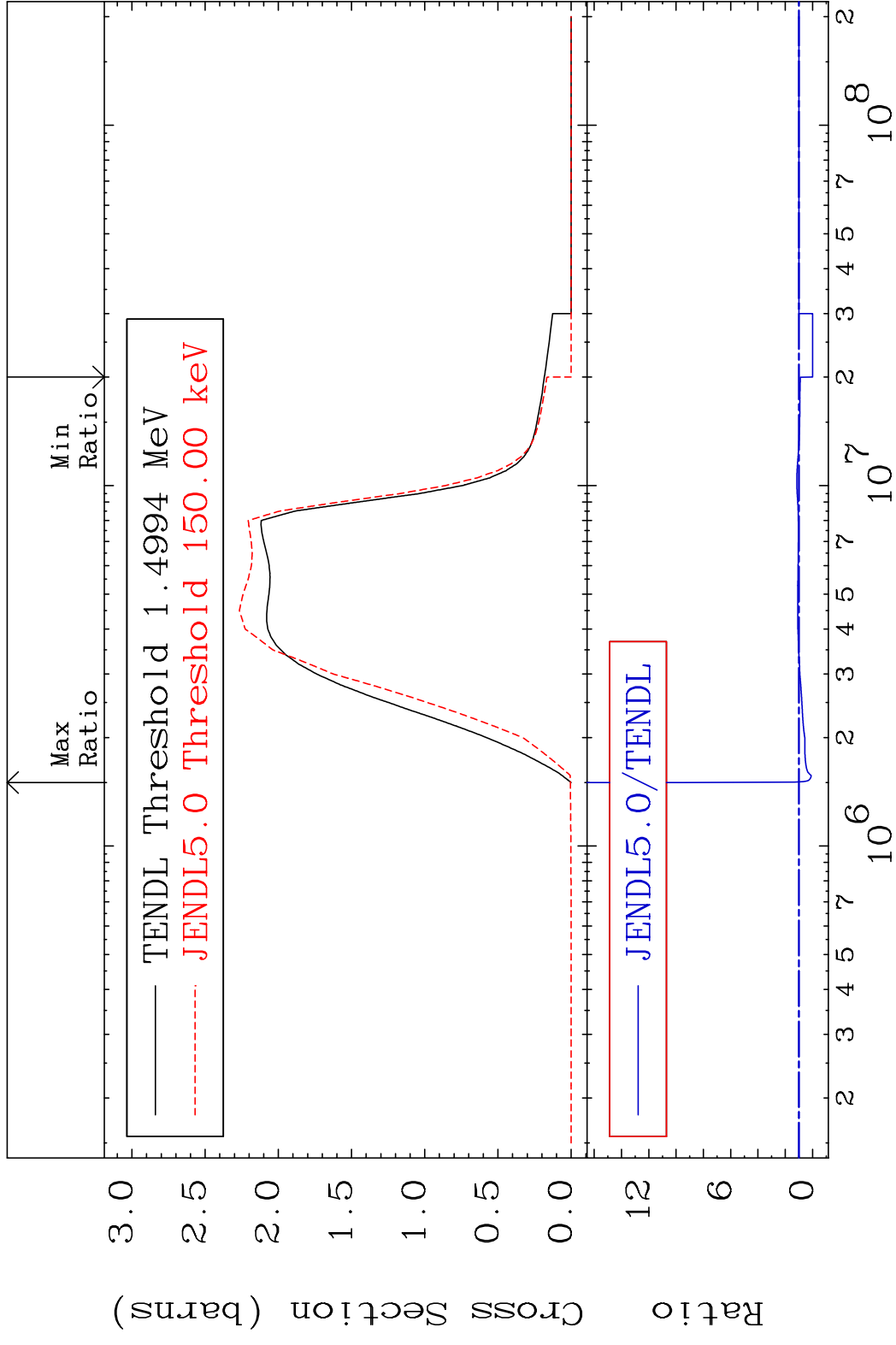
MAT 6143 MT= 79 (n,n') Level 61-Pm-145
 Cross Section -100.0 To 2731. %



MAT 6143 MT= 80 (n, n') Level 61-Pm-145
 Cross Section -100.0 To 3679. %



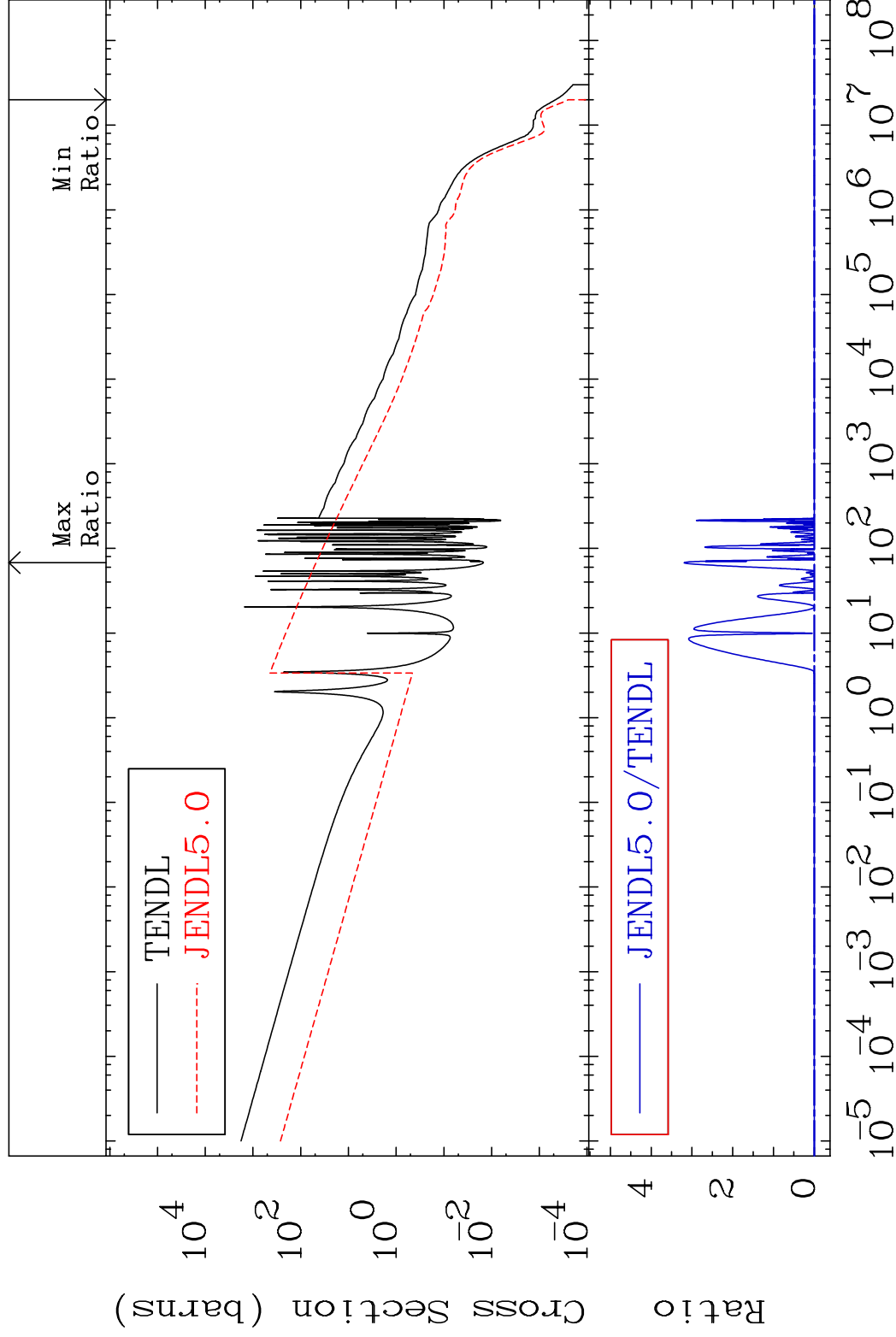
MAT 6143 (n, n') Continuum 61-Pm-145
 Cross Section -100.0 To 854.2 %



MAT 6143

(n, γ)
Cross Section -100.0 To 9999. %

61-Pm-145



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Incident Energy (eV)

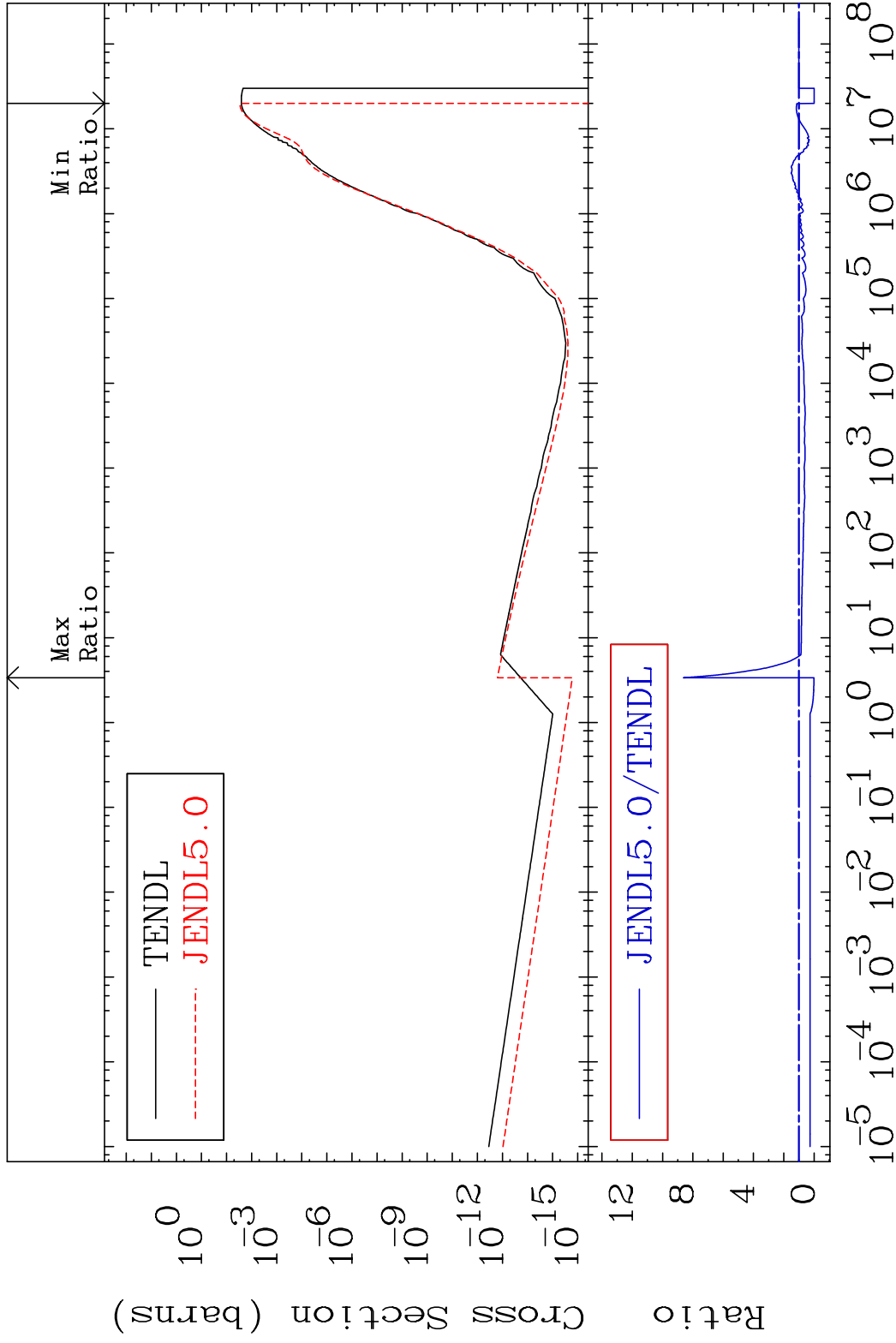
61-Pm-145

MAT 6143

(n, p)

61-Pm-145

Cross Section -100.0 To 760.9 %



45

Incident Energy (eV)

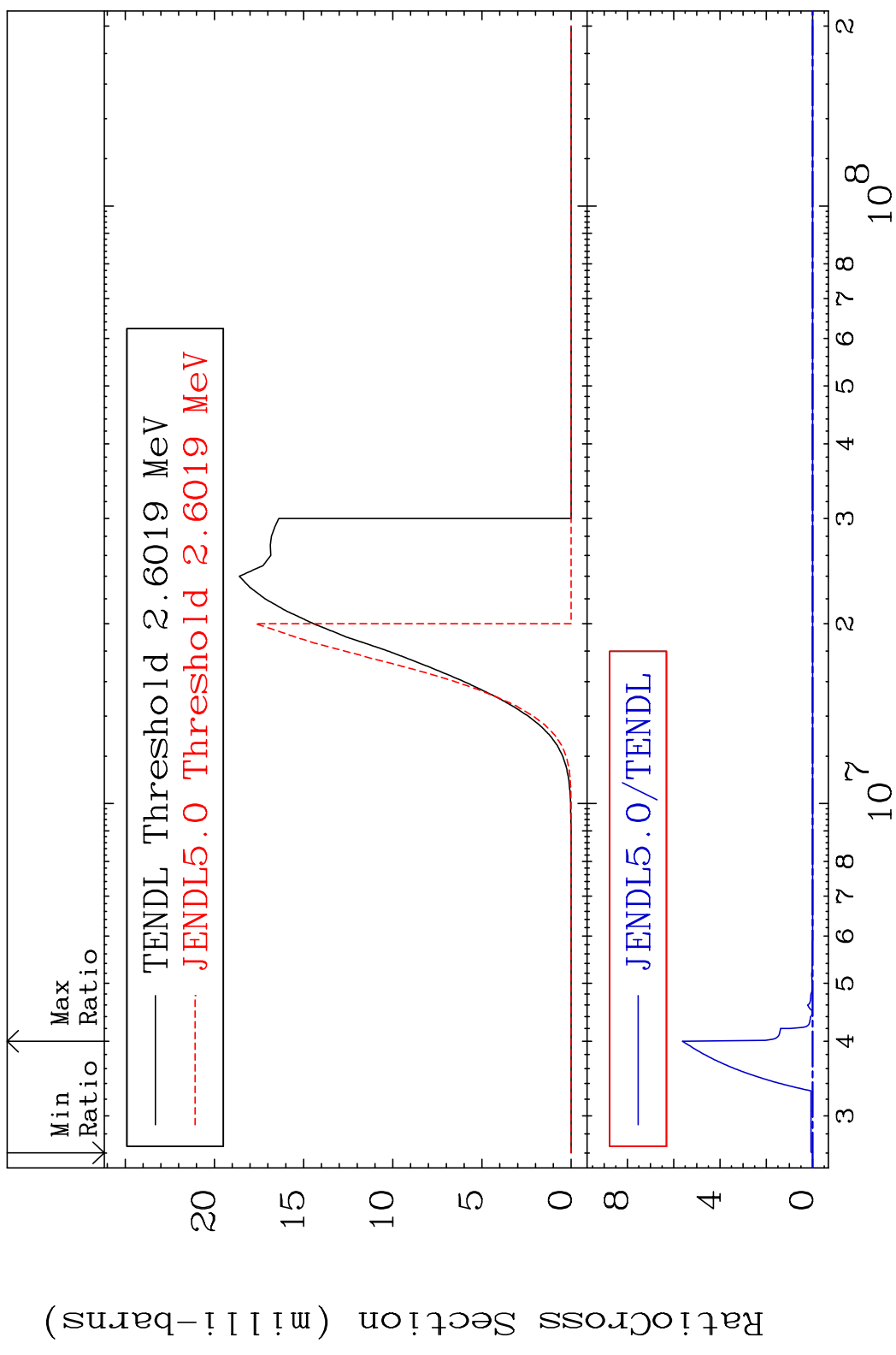
61-Pm-145

MAT 6143

(n, d)

61-Pm-145

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

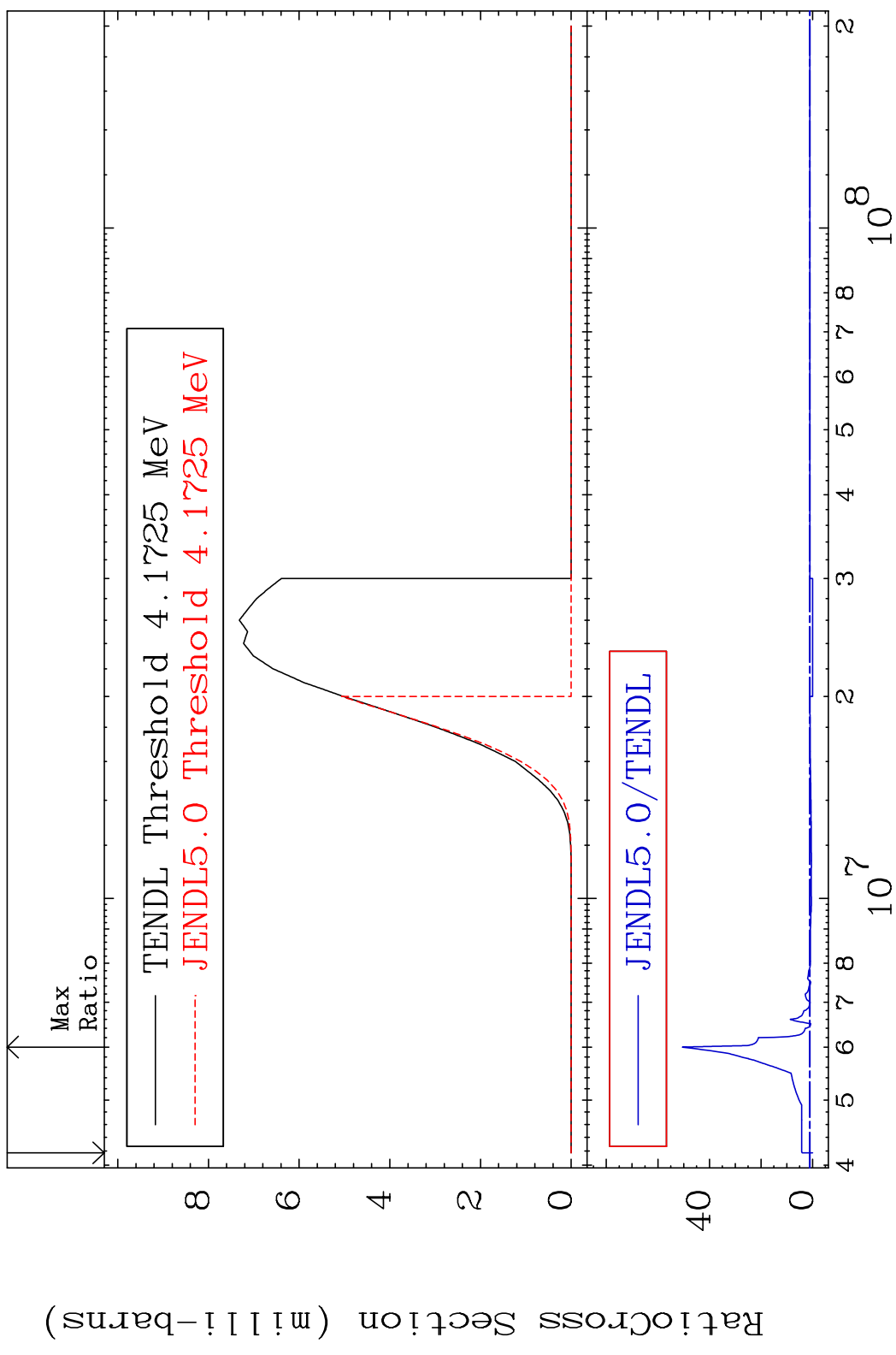
61-Pm-145

MAT 6143

(n, t)

61-Pm-145

Cross Section -100.0 To 4951. %



47

Incident Energy (eV)

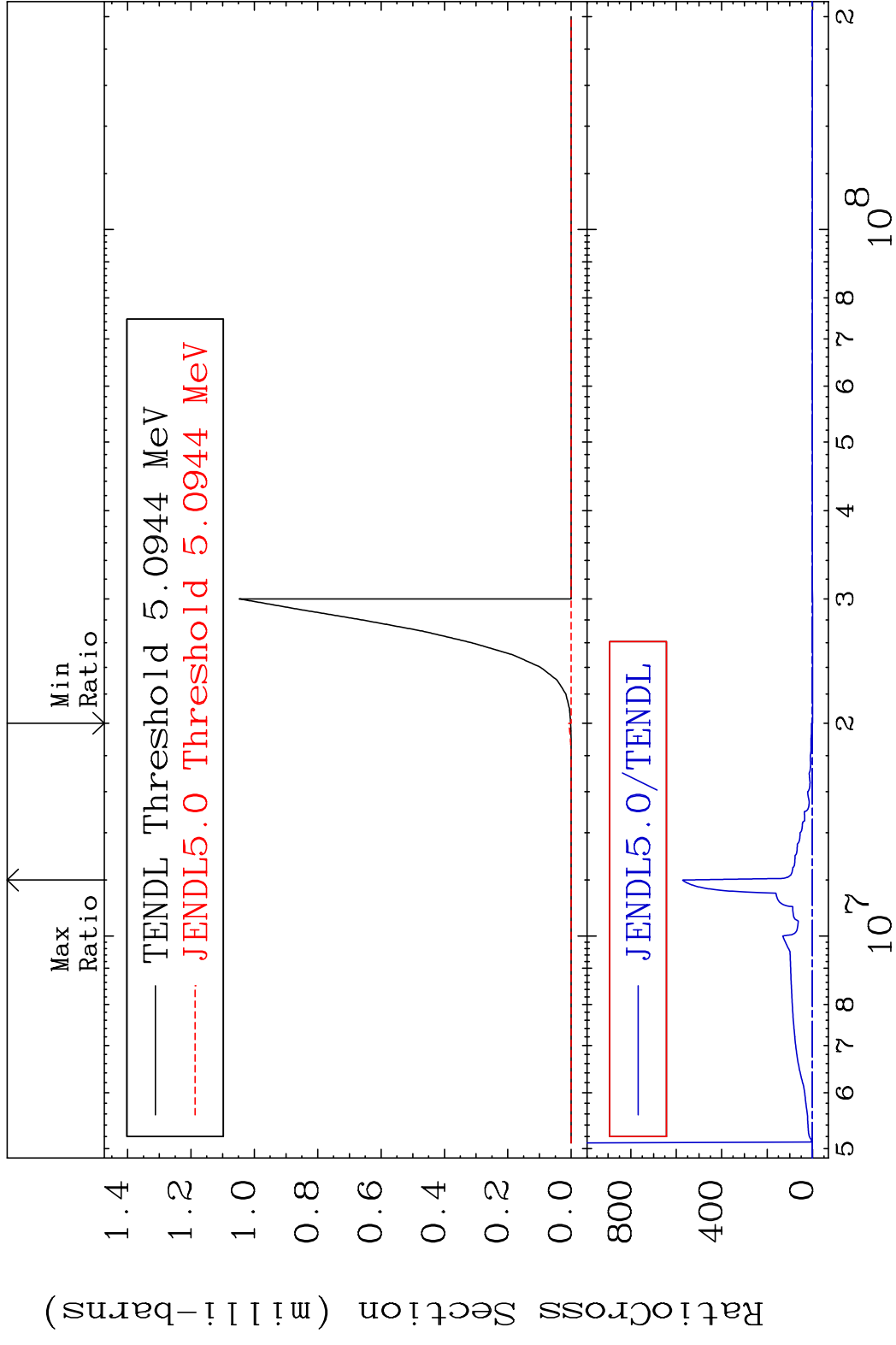
61-Pm-145

MAT 6143

(n, He-3)

61-Pm-145

Cross Section -100.0 To 9999. %



48

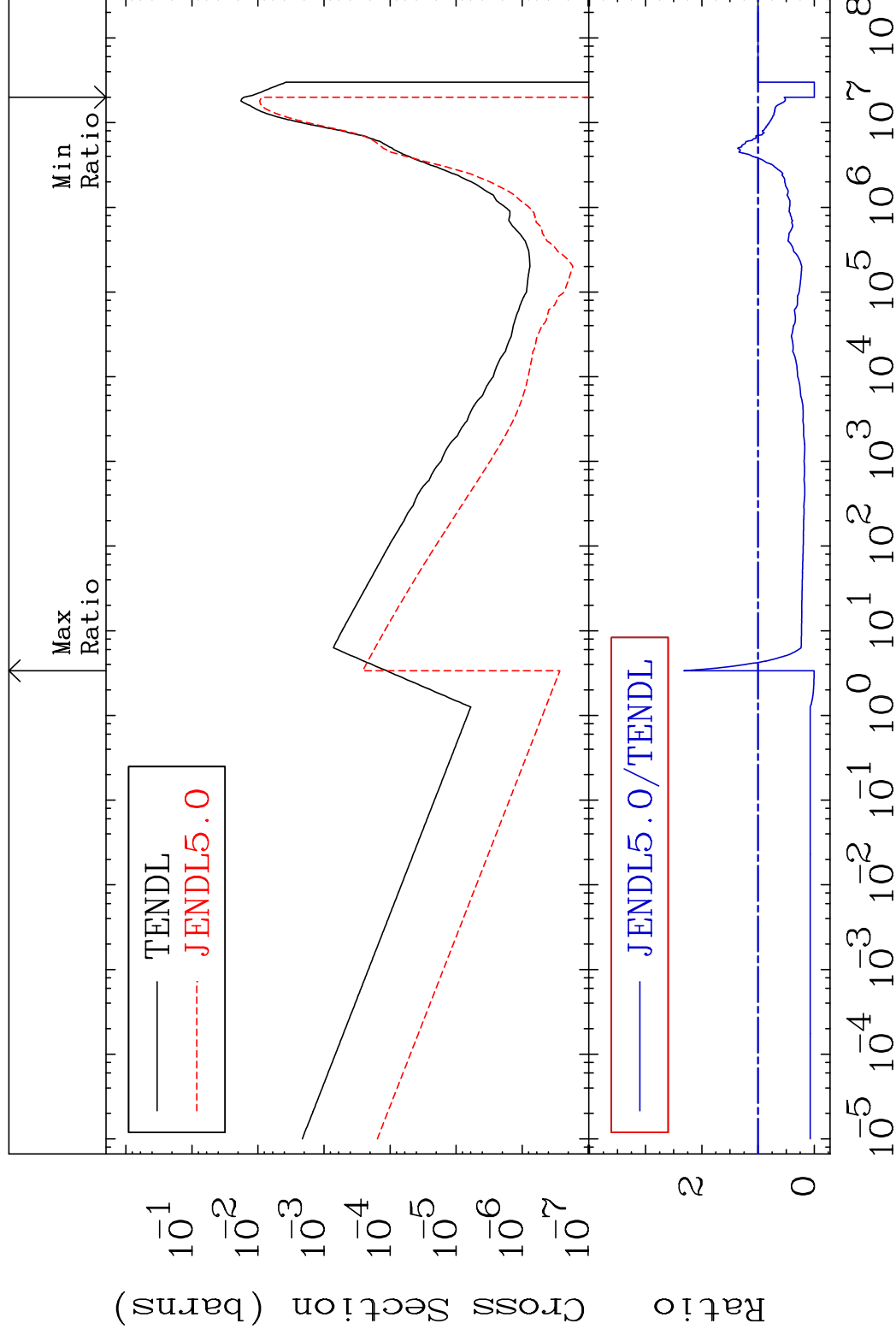
Incident Energy (eV)

61-Pm-145

MAT 6143

(n, α)
Cross Section -100.0 To 131.6 %

61-Pm-145



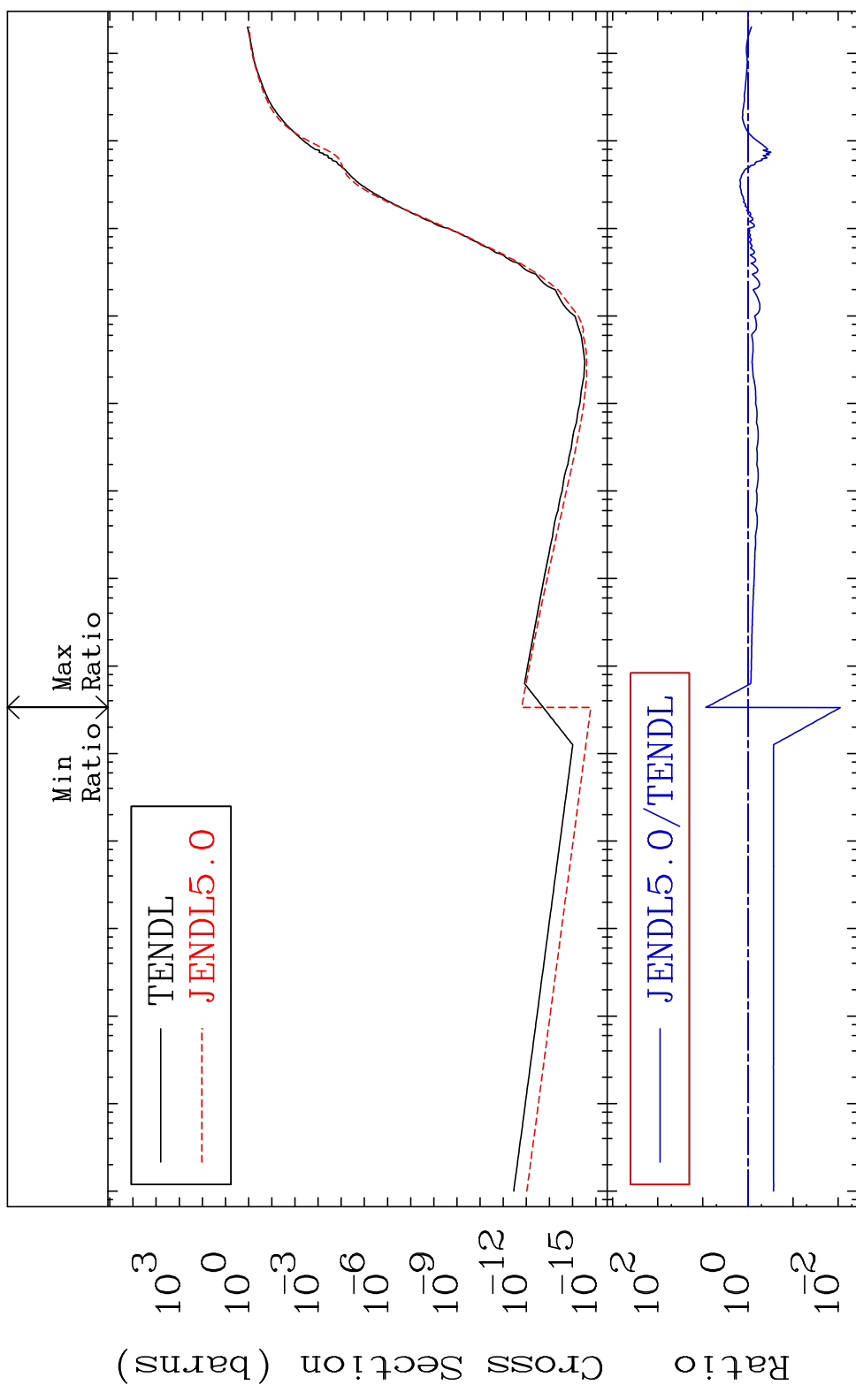
49

Incident Energy (eV)

61-Pm-145

MAT 6143

Hydrogen Production 61-Pm-145
Cross Section -99.11 To 760.9 %

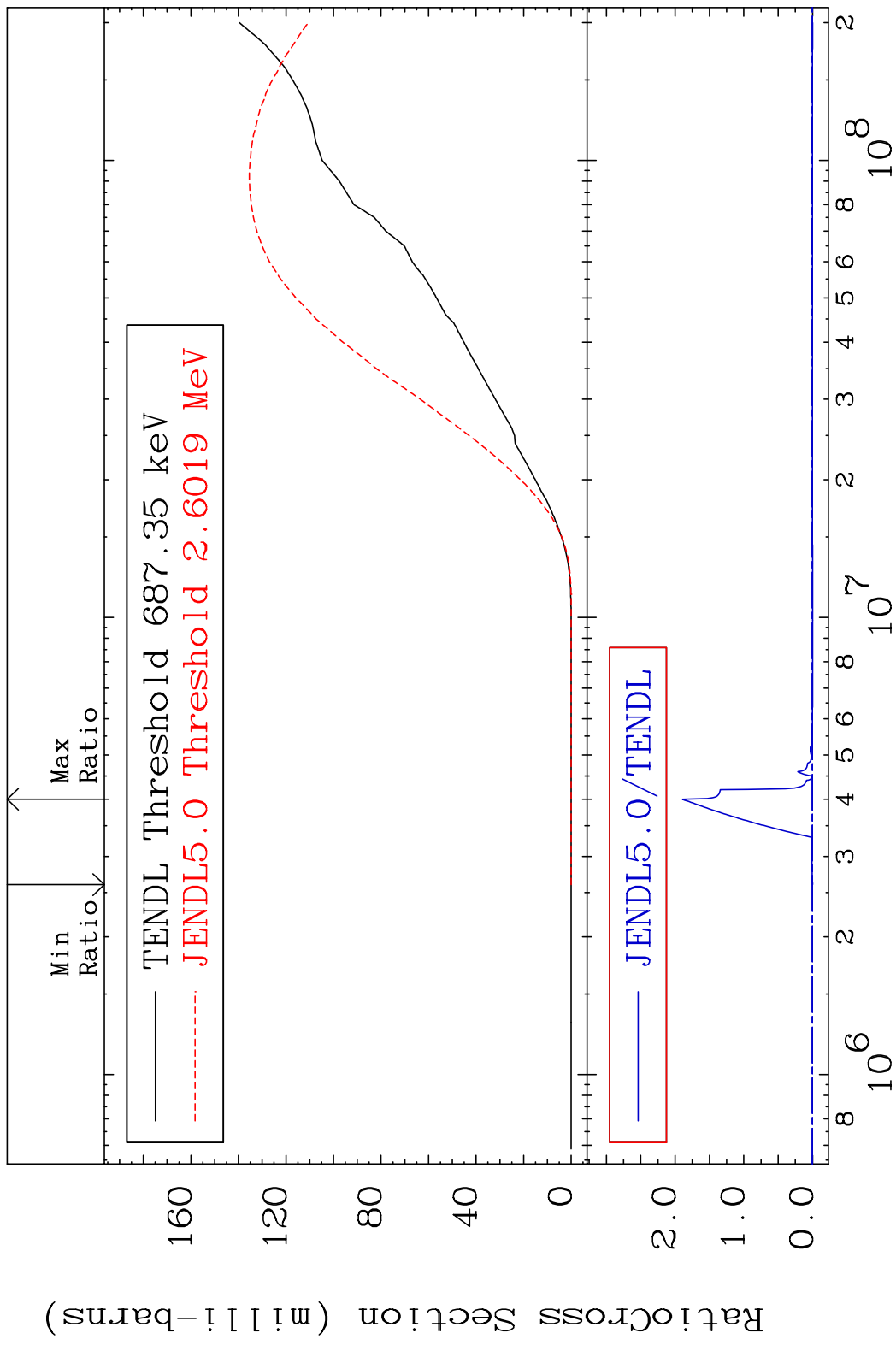


50

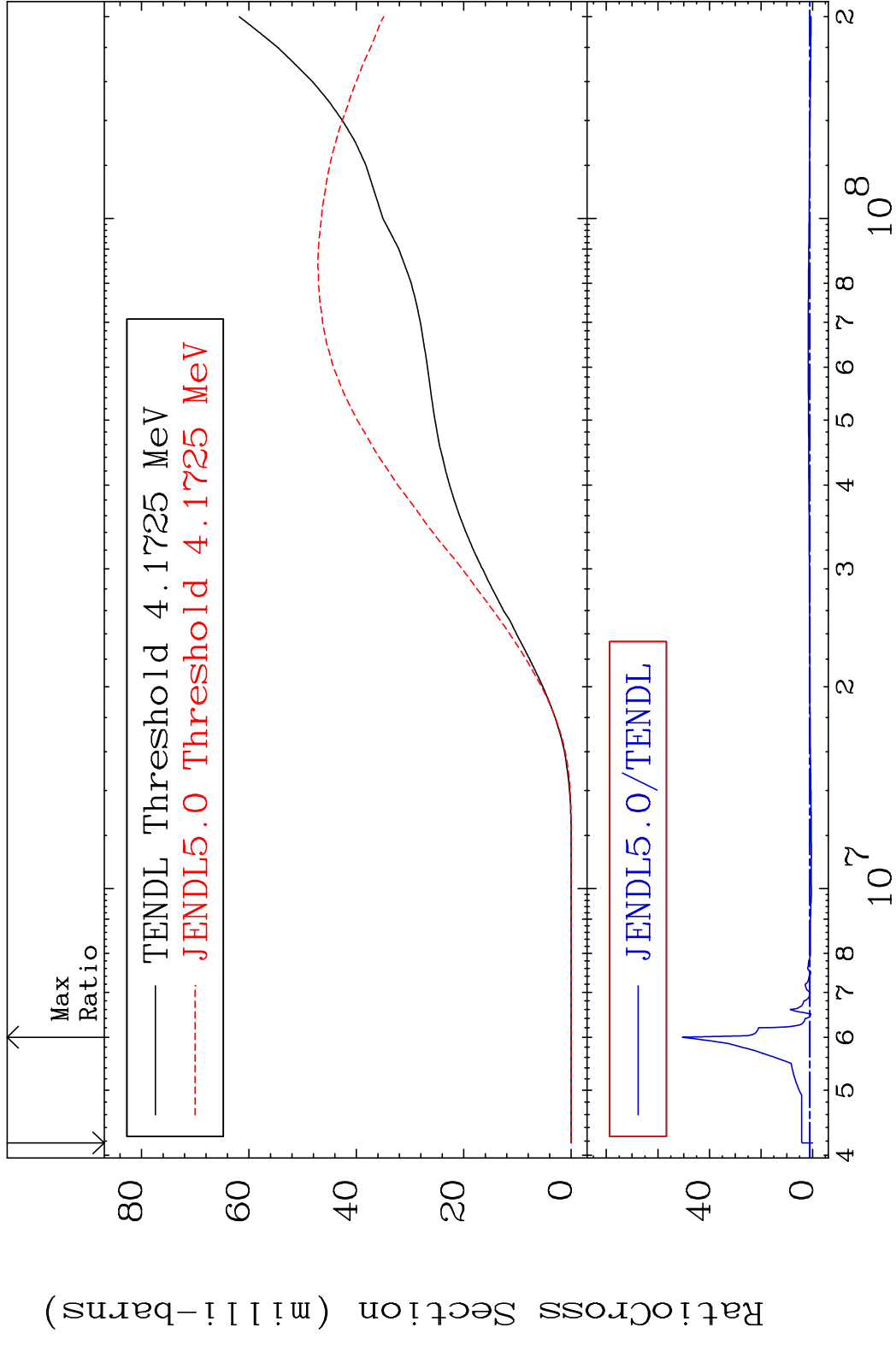
Incident Energy (eV)

61-Pm-145

MAT 6143 Deuterium Production 61-Pm-145
 Cross Section -100.0 To 9999. %



MAT 6143 Tritium Production 61-Pm-145
 Cross Section -100.0 To 4951. %

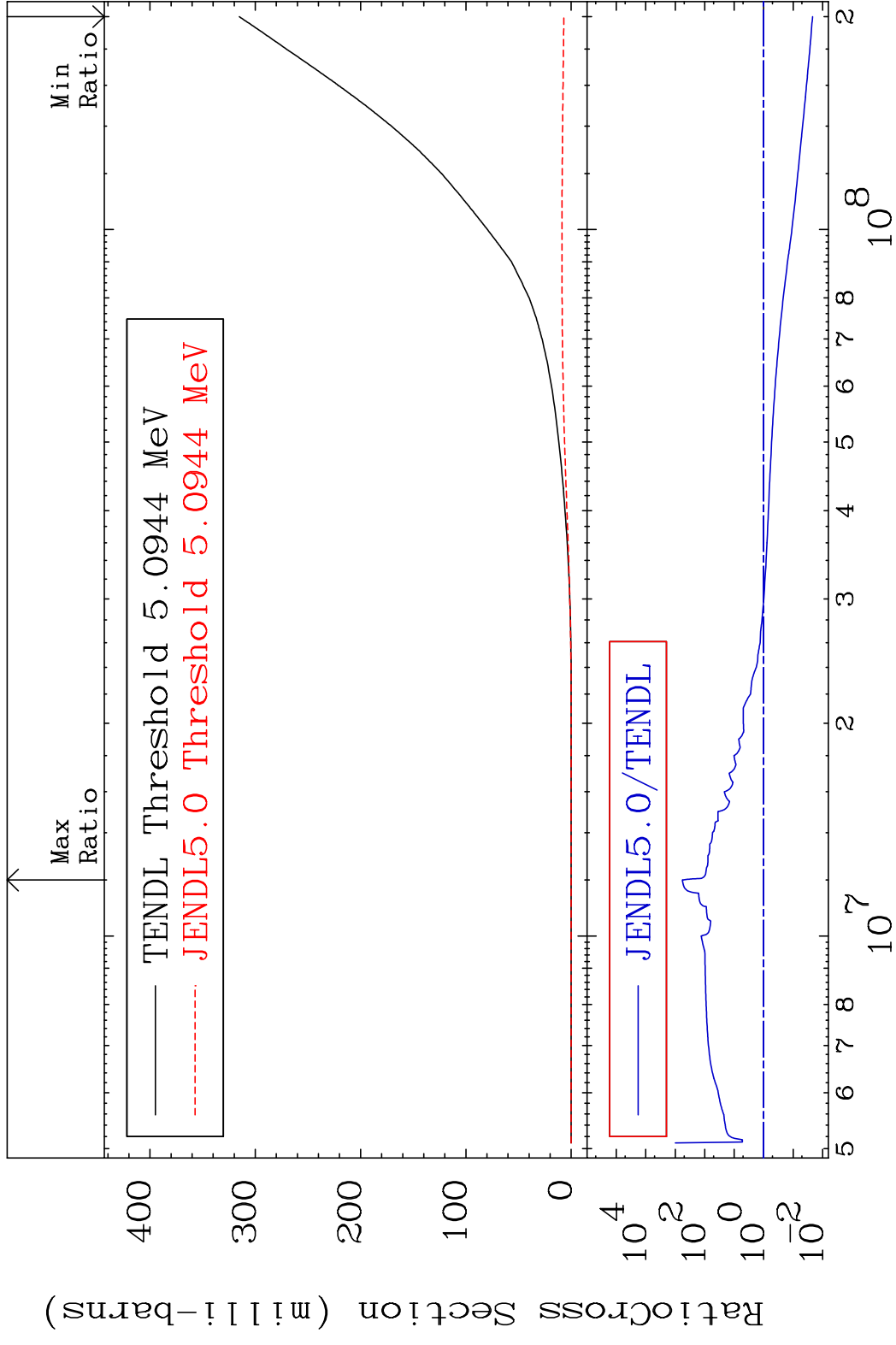


MAT 6143

He-3 Production

61-Pm-145

Cross Section -97.81 To 9999. %

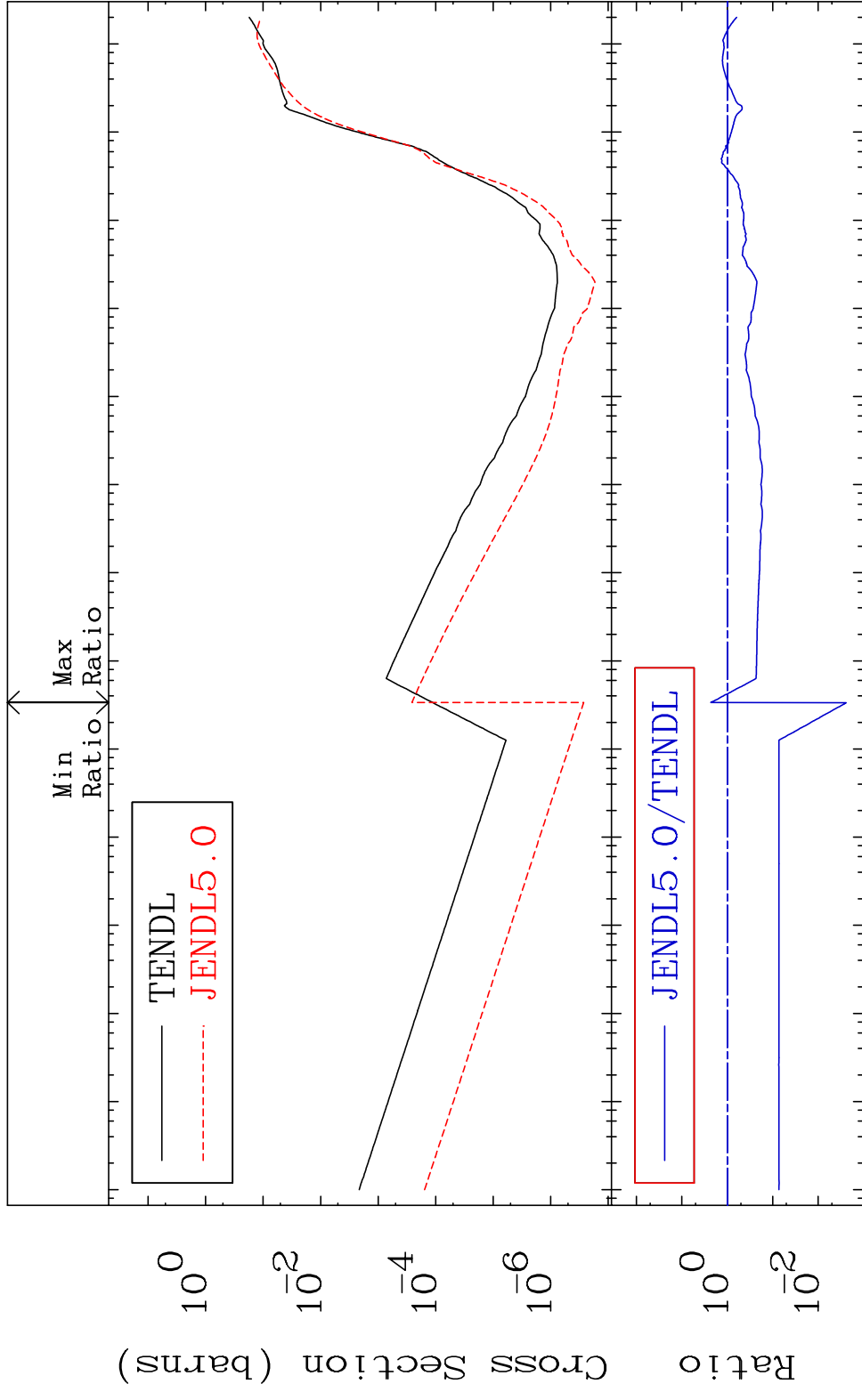


MAT 6143

He-4 Production

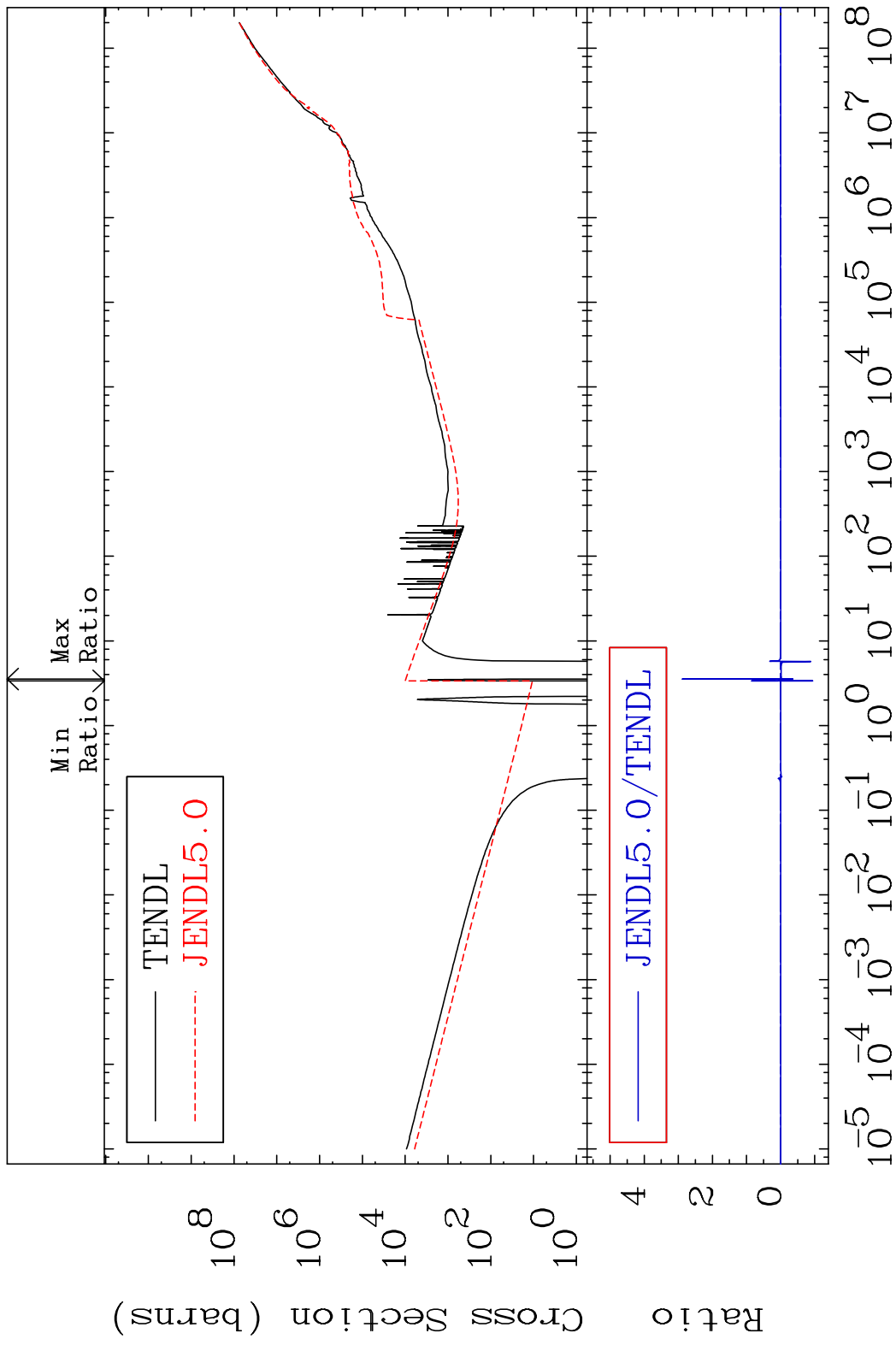
61-Pm-145

Cross Section -99.76 To 131.6 %



10⁰ 10⁻² 10⁻⁴ 10⁻⁶ 10⁰ 10⁻² 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

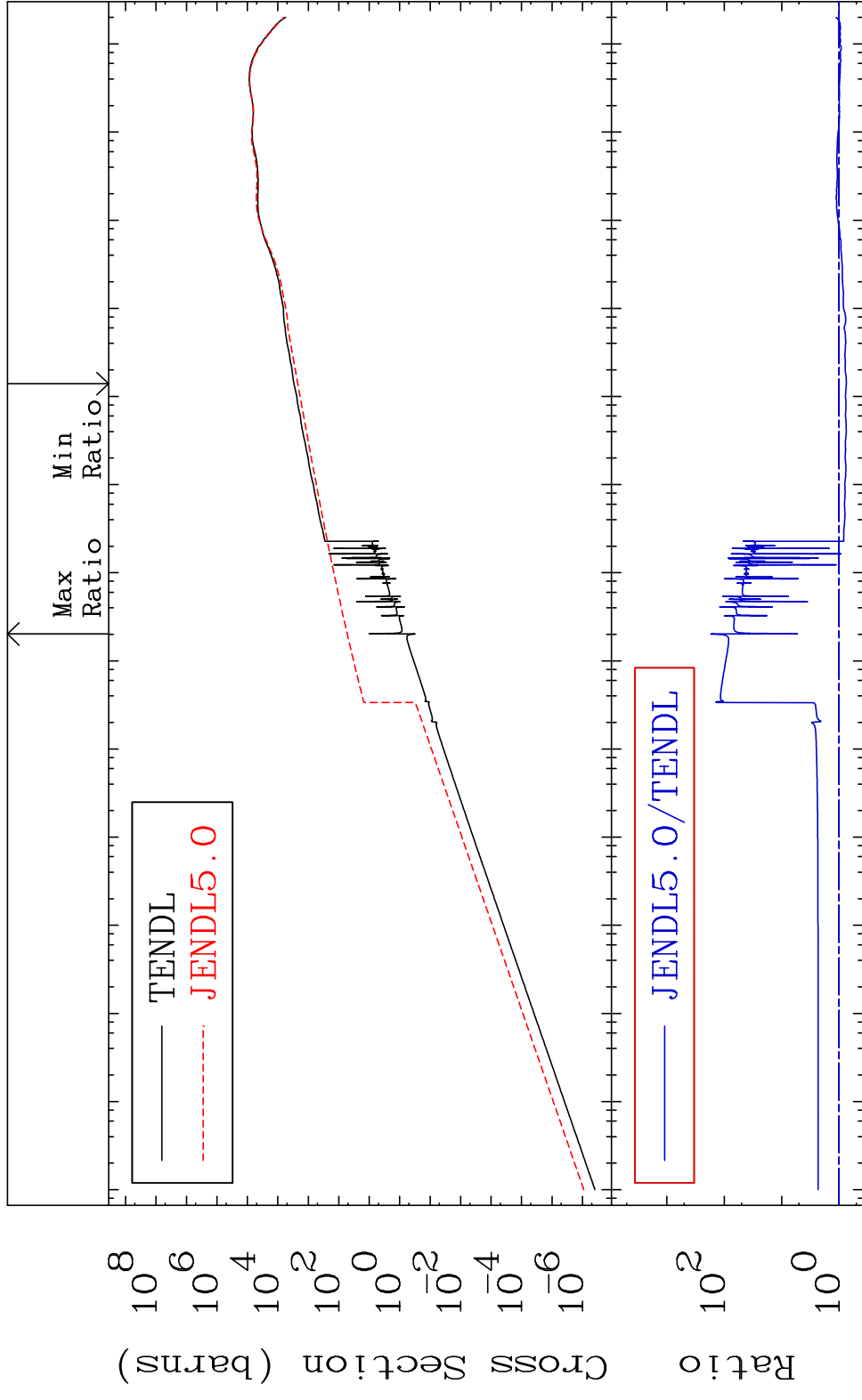
MAT 6143 Kerma total (eV-barns) 61-Pm-145
 Cross Section -9999. To 9999. %



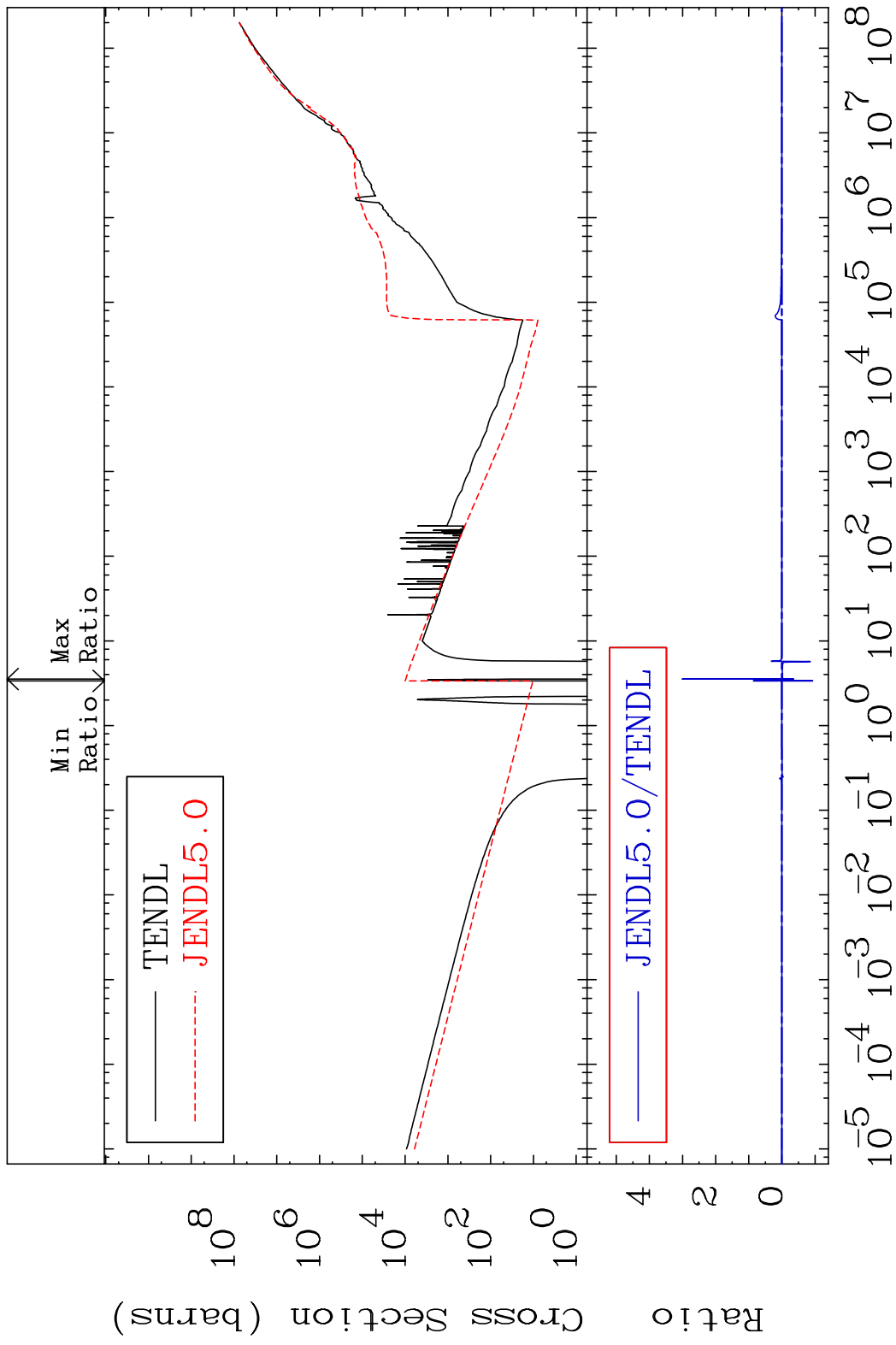
55 Incident Energy (eV) 61-Pm-145

MAT 6143

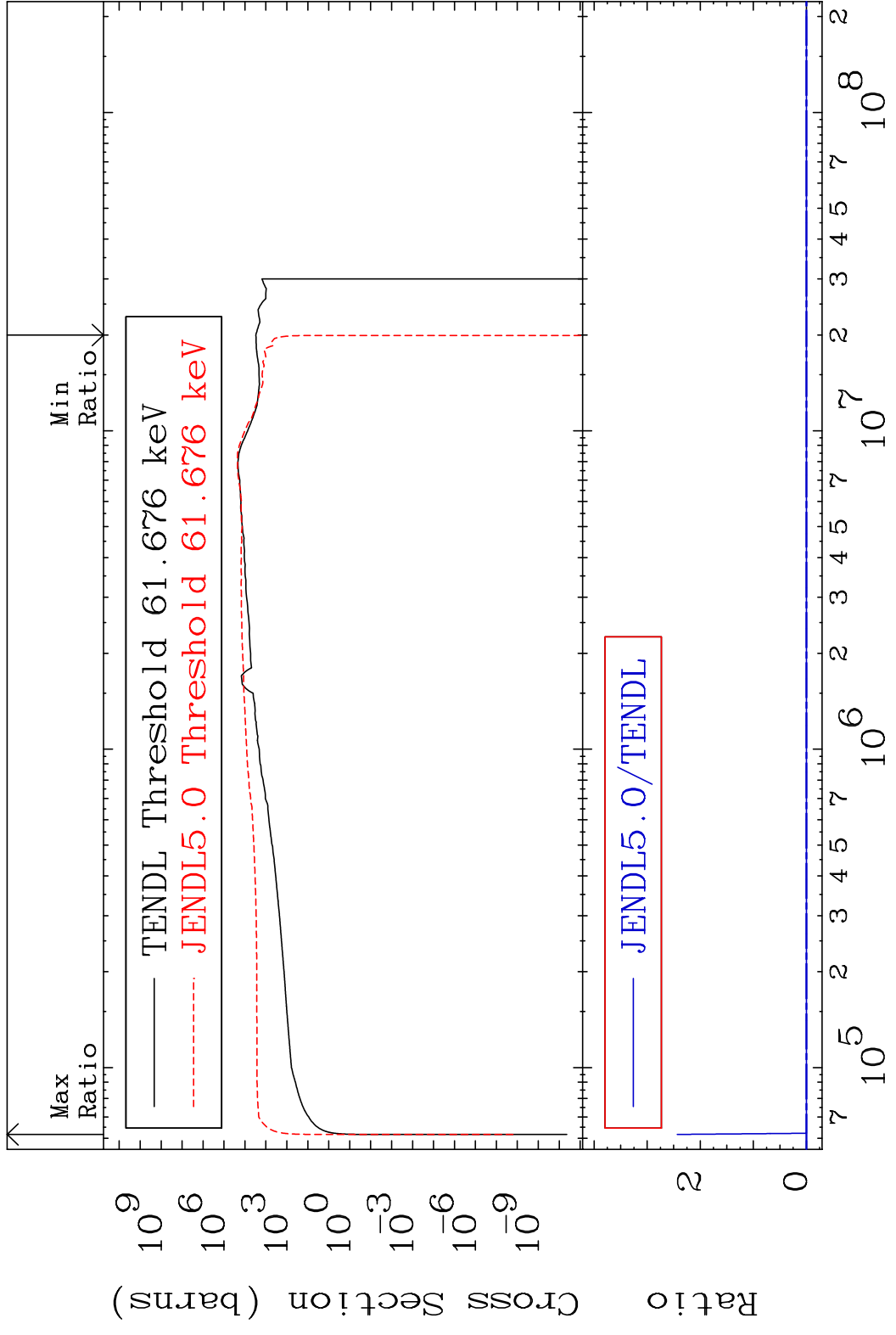
Kerma elastic Cross Section -25.18 To 9999. %
61-Pm-145



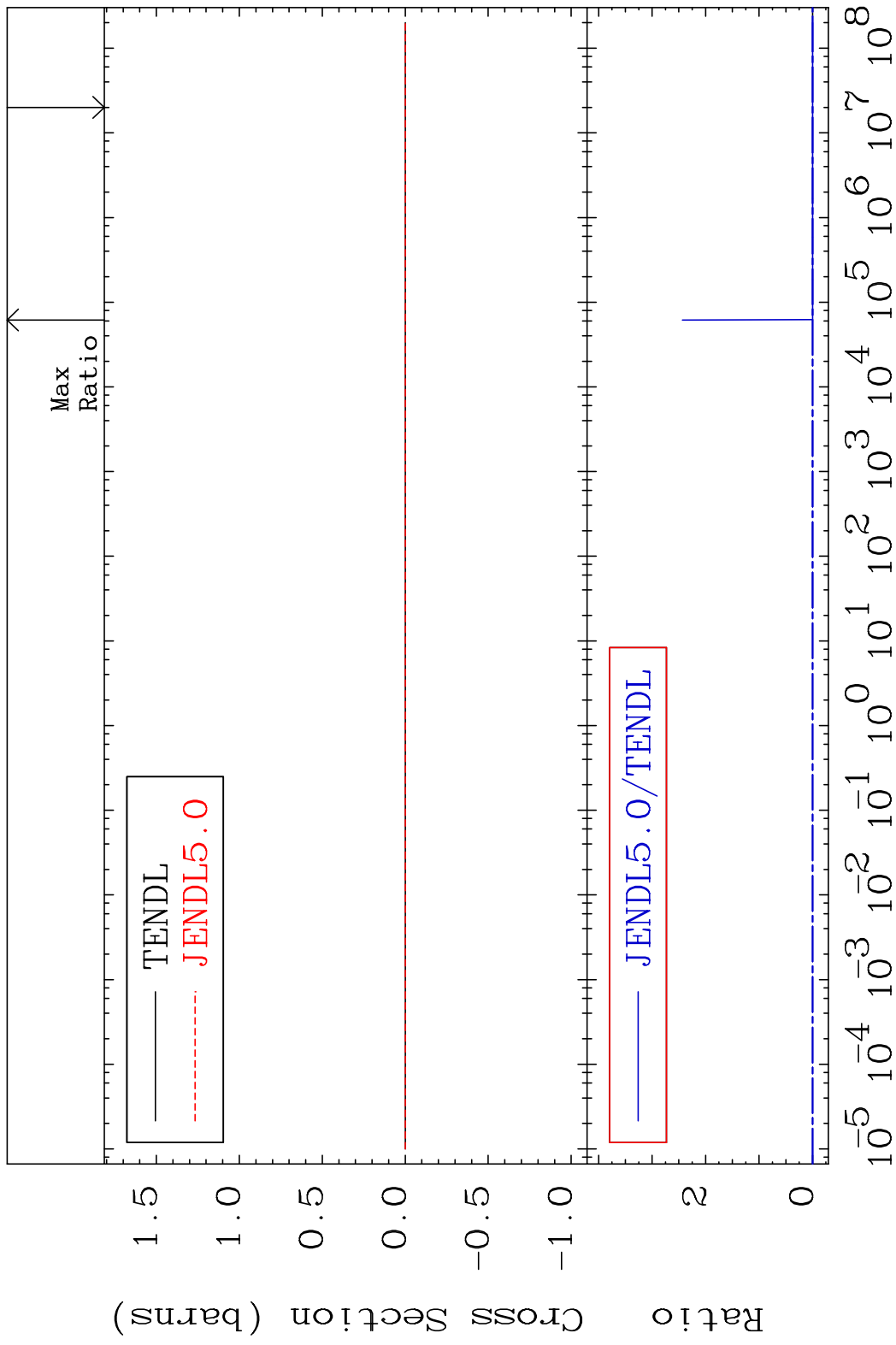
MAT 6143 Kerma non-elastic (all but mt2) 61-Pm-145
 Cross Section -9999. To 9999. %



MAT 6143 Kerma inelastic (mt51-91) 61-Pm-145
 Cross Section -101.7 To 9999. %

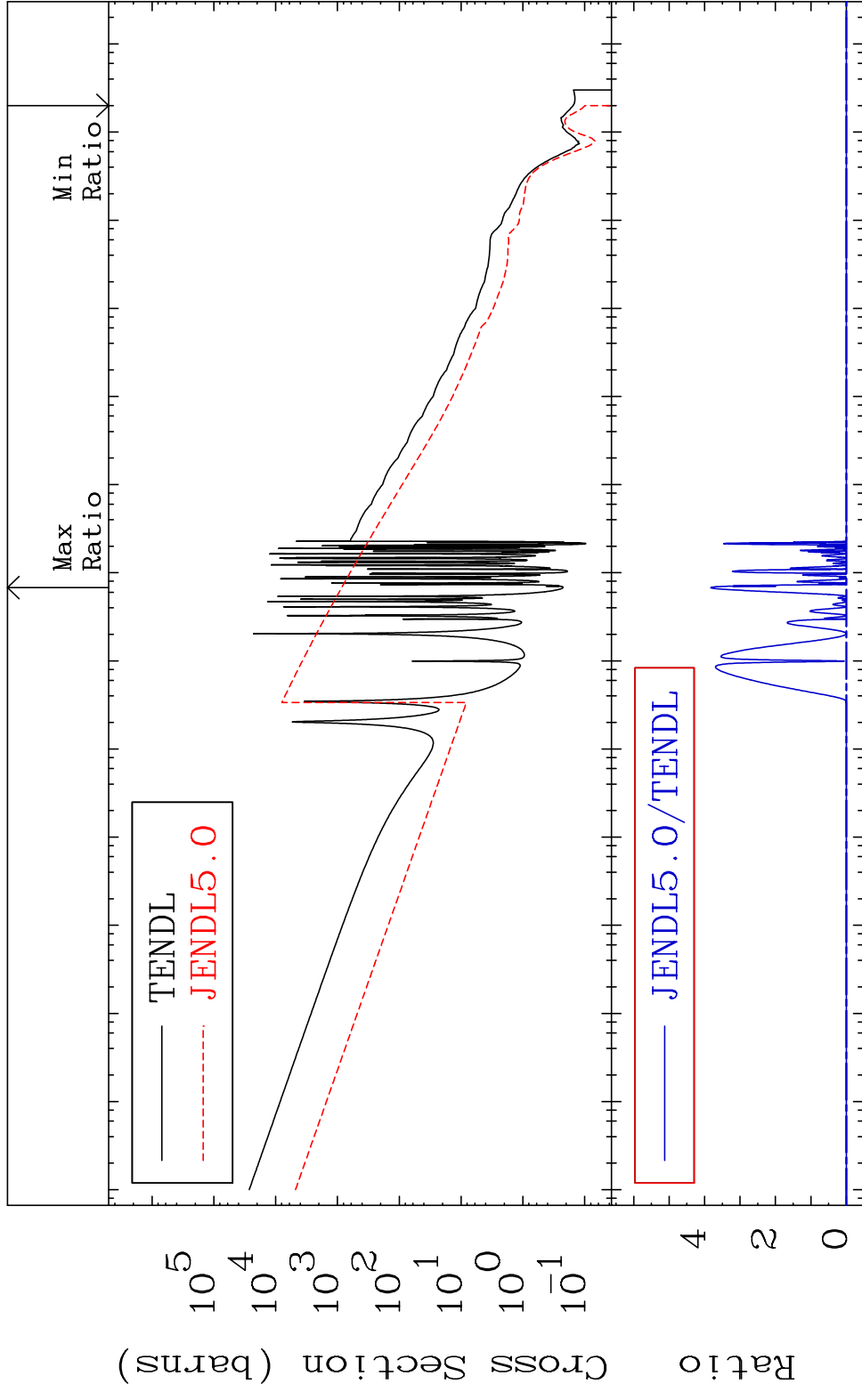


MAT 6143 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-145
 Cross Section -101.7 To 9999. %



MAT 6143

Kerma capture (mt102) 61-Pm-145
Cross Section -100.0 To 9999. %

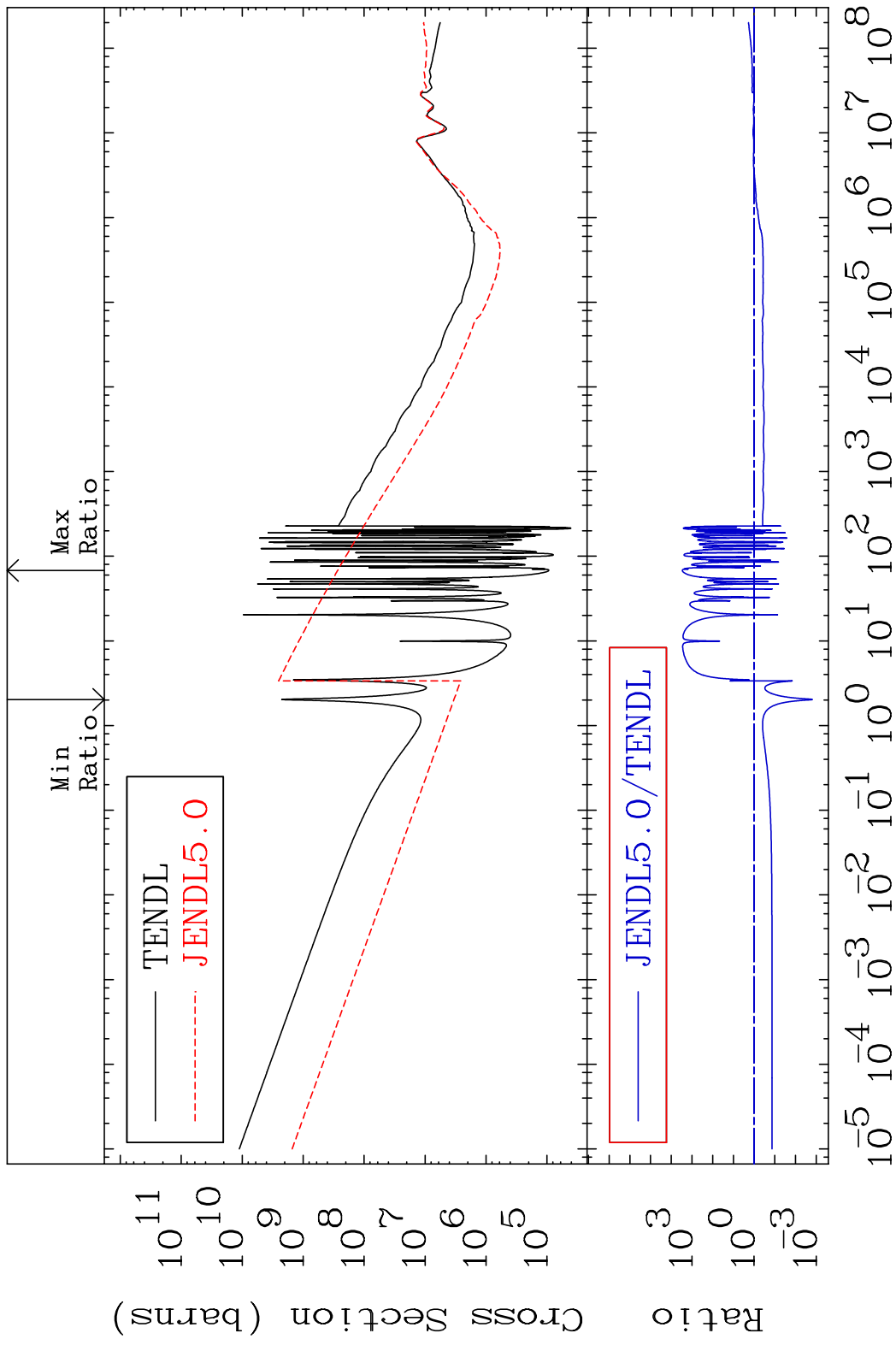


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Incident Energy (eV)

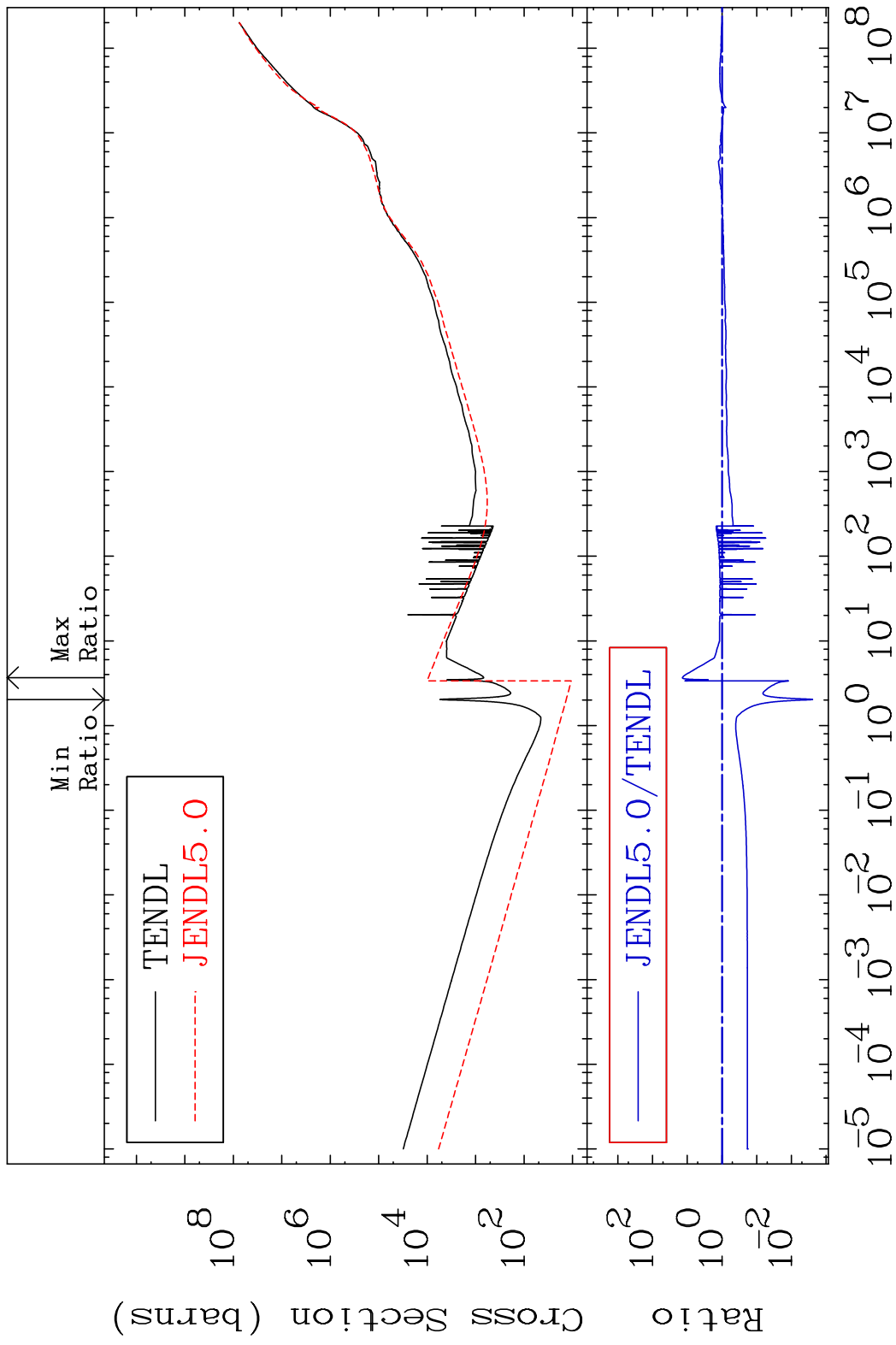
61-Pm-145

MAT 6143 Total photon (eV-barns) 61-Pm-145
 Cross Section -99.85 To 9999. %

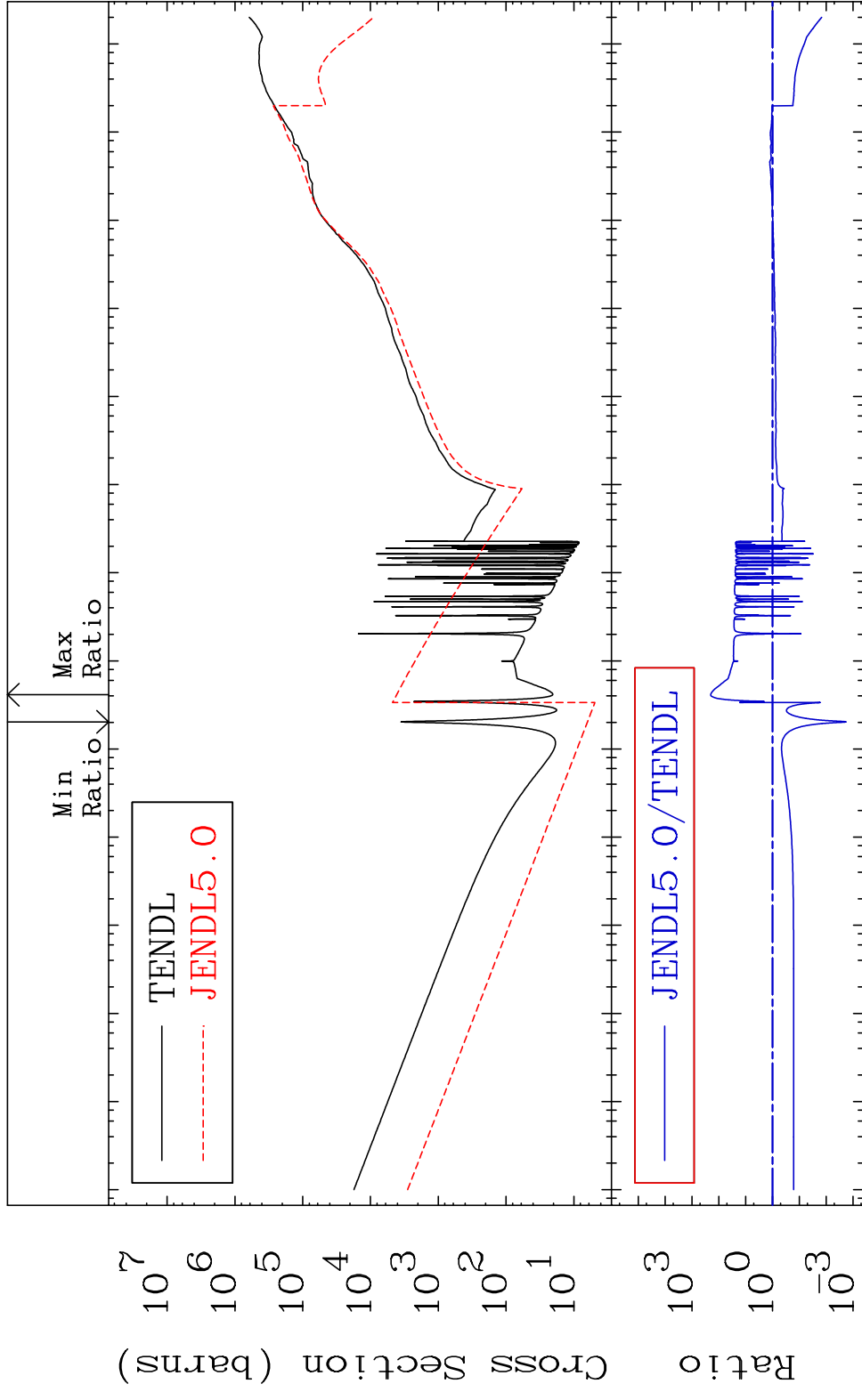


61 Incident Energy (eV) 61-Pm-145

MAT 6143 Total kinematic kerma (high limit) 61-Pm-145
 Cross Section -99.75 To 1284. %



MAT 6143 Dpa total (eV-barns) 61-Pm-145
 Cross Section -99.82 To 9999. %

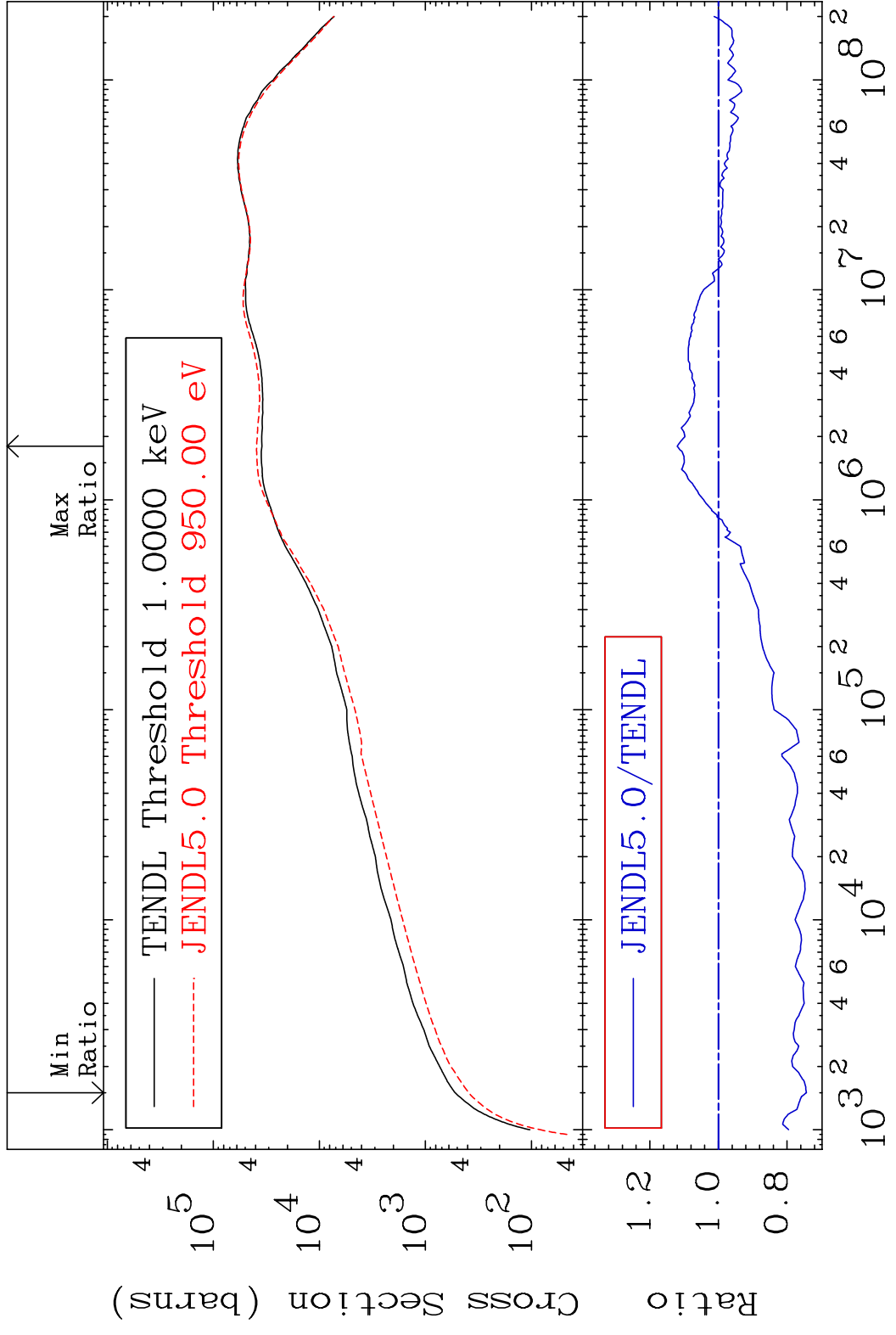


MAT 6143

Dpa elastic (mt2)

61-Pm-145

Cross Section -25.63 To 12.02 %

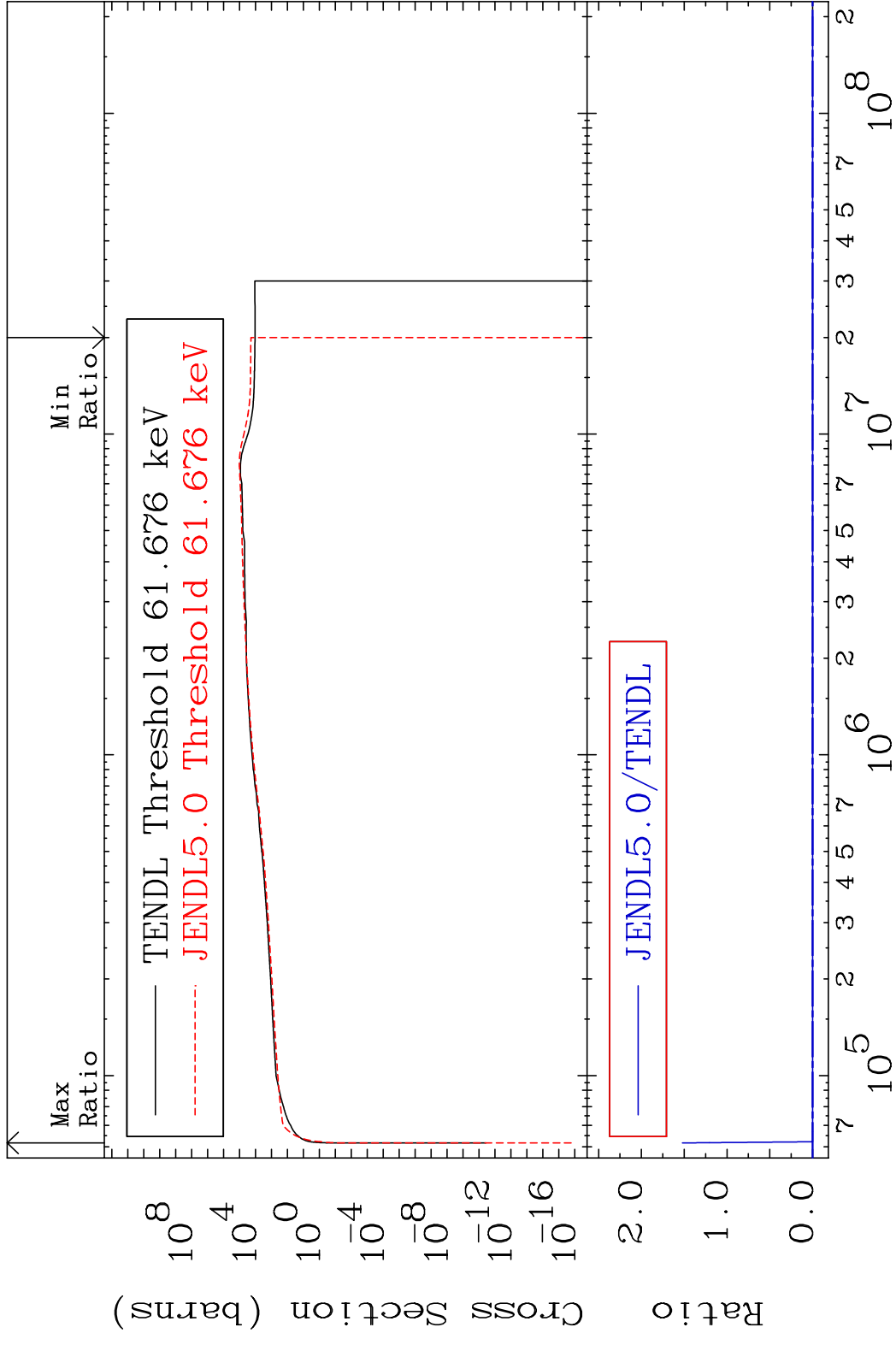


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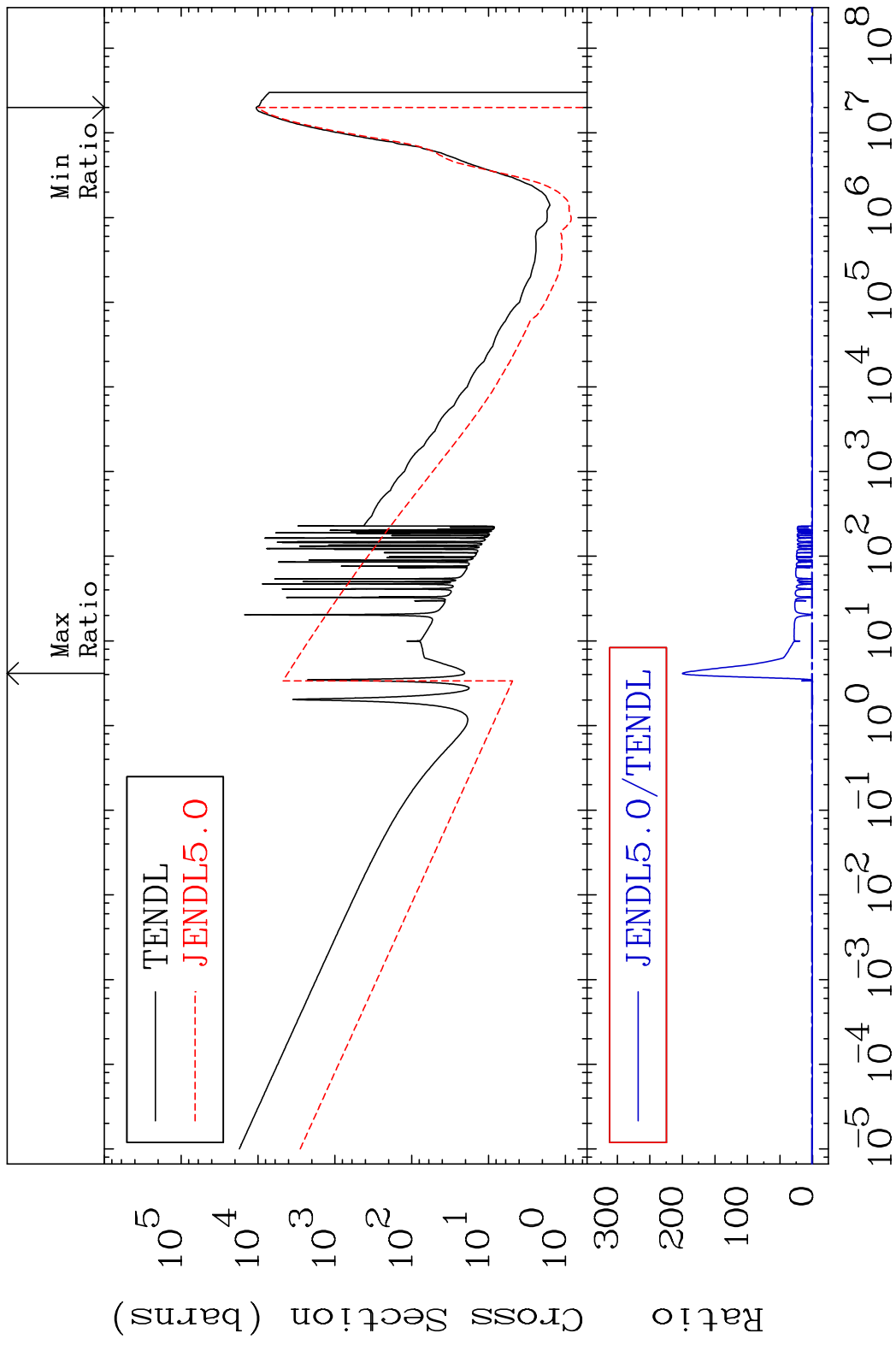
Incident Energy (eV)

61-Pm-145

MAT 6143 Dpa inelastic (mt51-91) 61-Pm-145
 Cross Section -100.0 To 9999. %



MAT 6143 Dpa disappearance (mt102 -120) 61-Pm-145
 Cross Section -100.0 To 9999. %

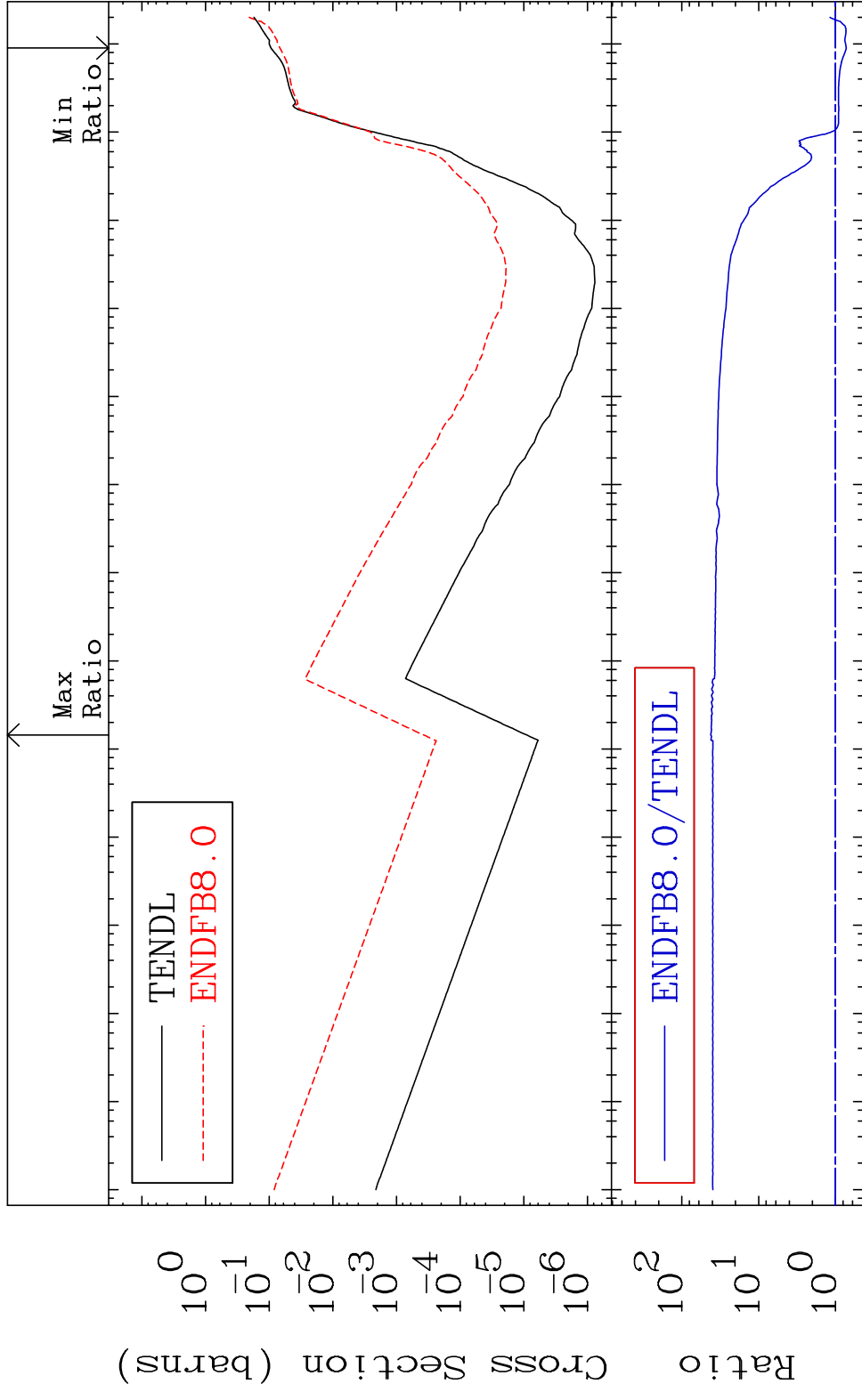


MAT 6143

He-4 Production

61-Pm-145

Cross Section -27.62 To 4109. %

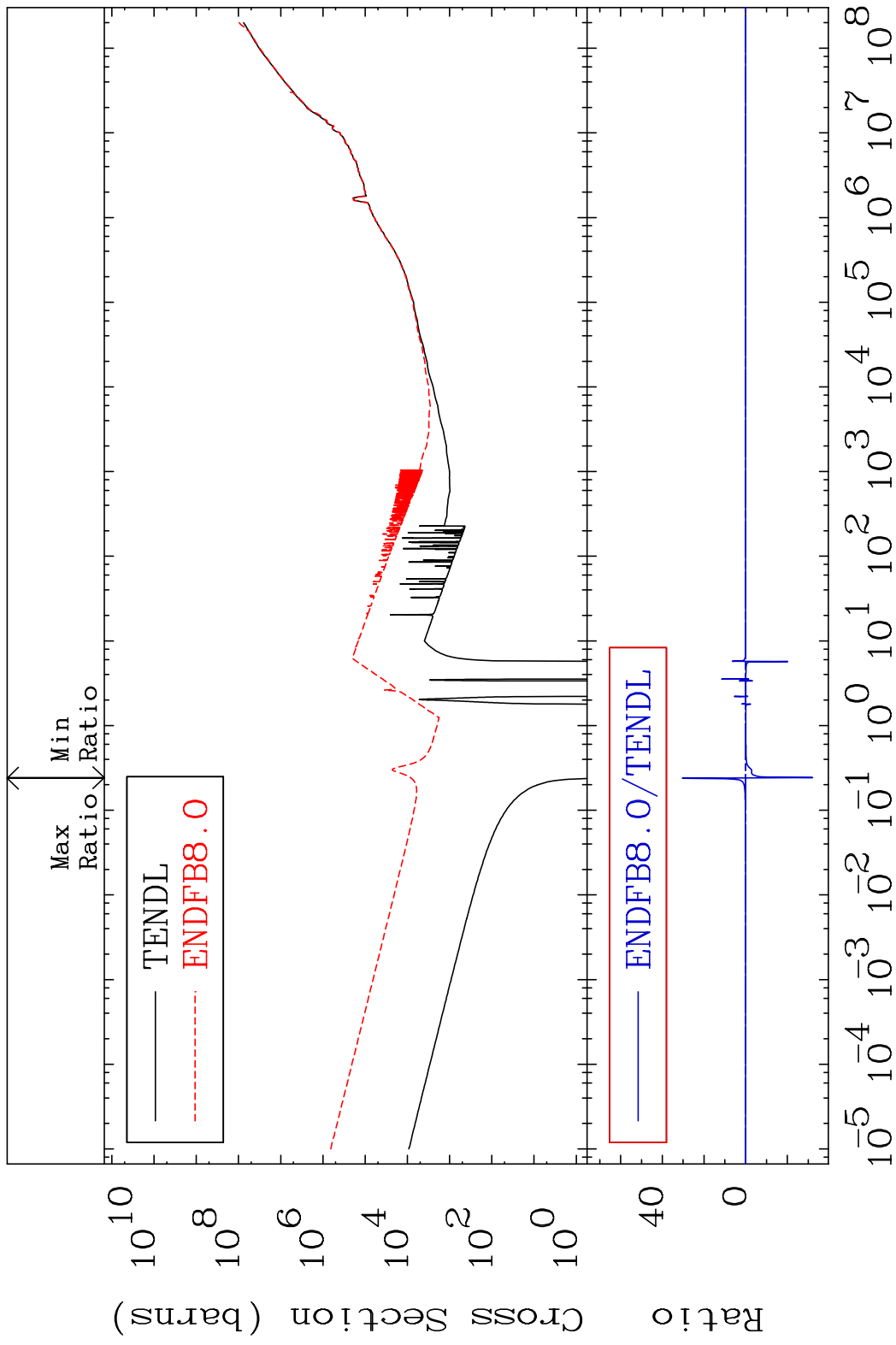


67

Incident Energy (eV)

61-Pm-145

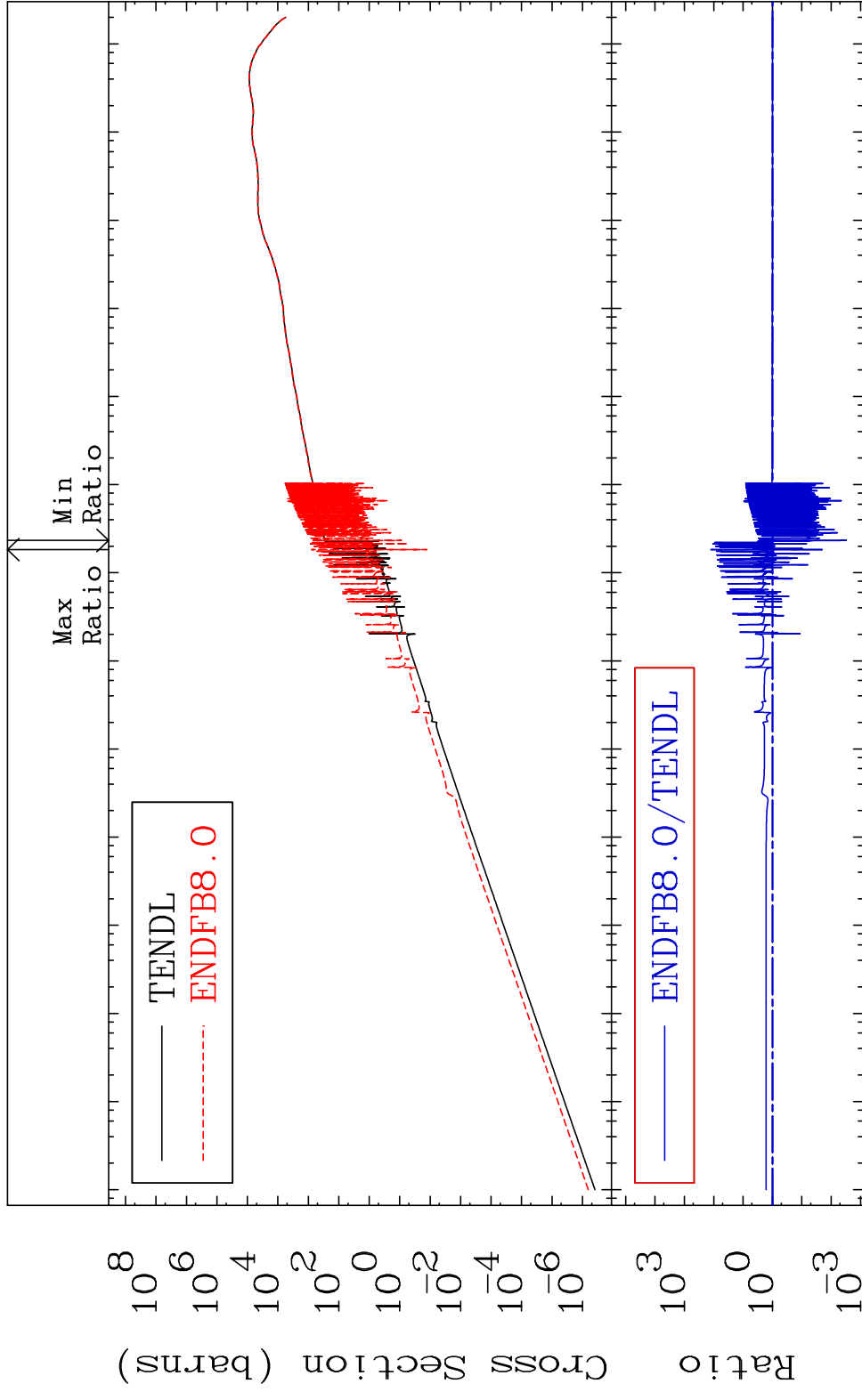
MAT 6143 Kerma total (eV-barns) 61-Pm-145
 Cross Section -9999. To 9999. %



MAT 6143

Kerma elastic
Cross Section

61-Pm-145
-99.69 To 9999. %

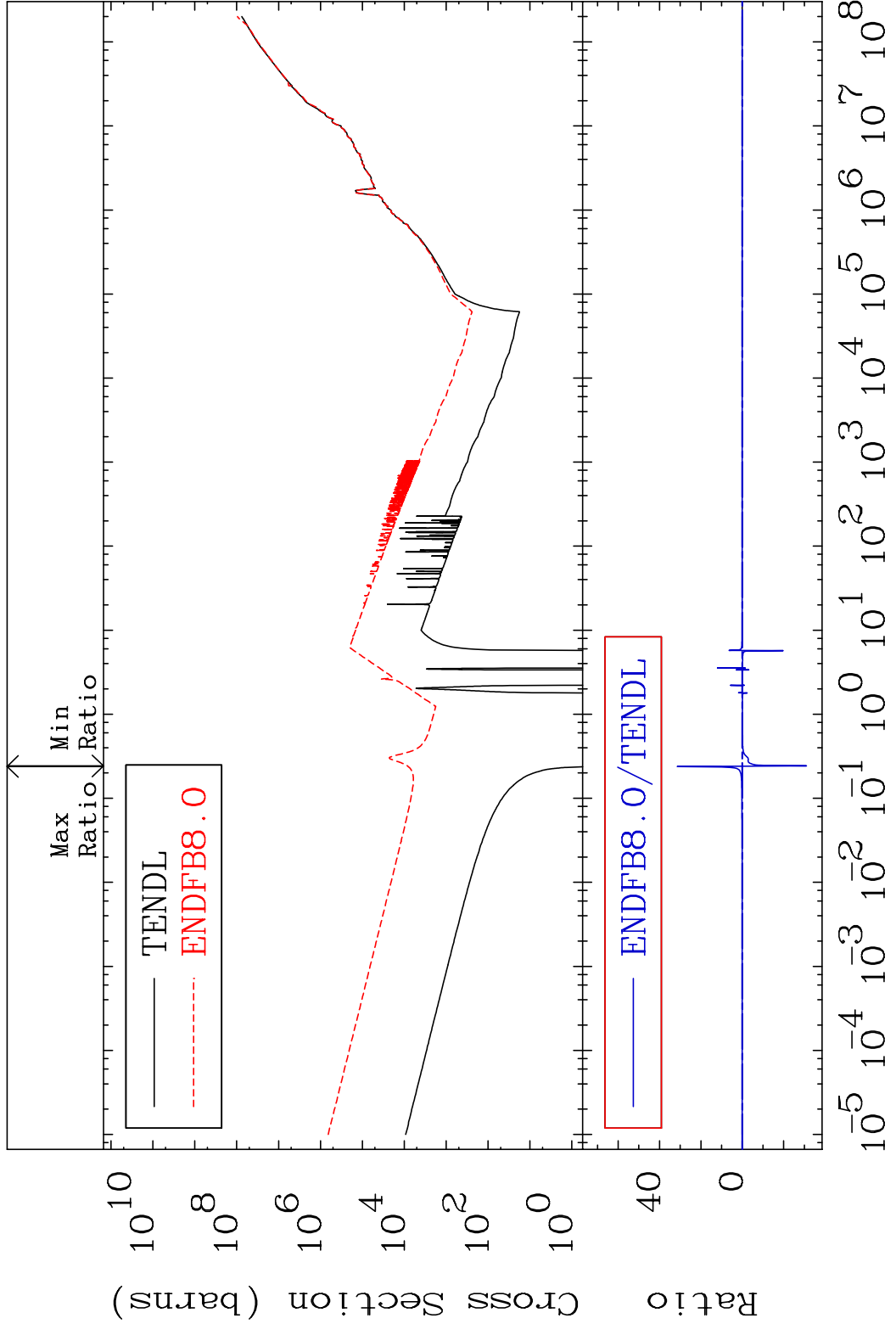


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Incident Energy (eV)

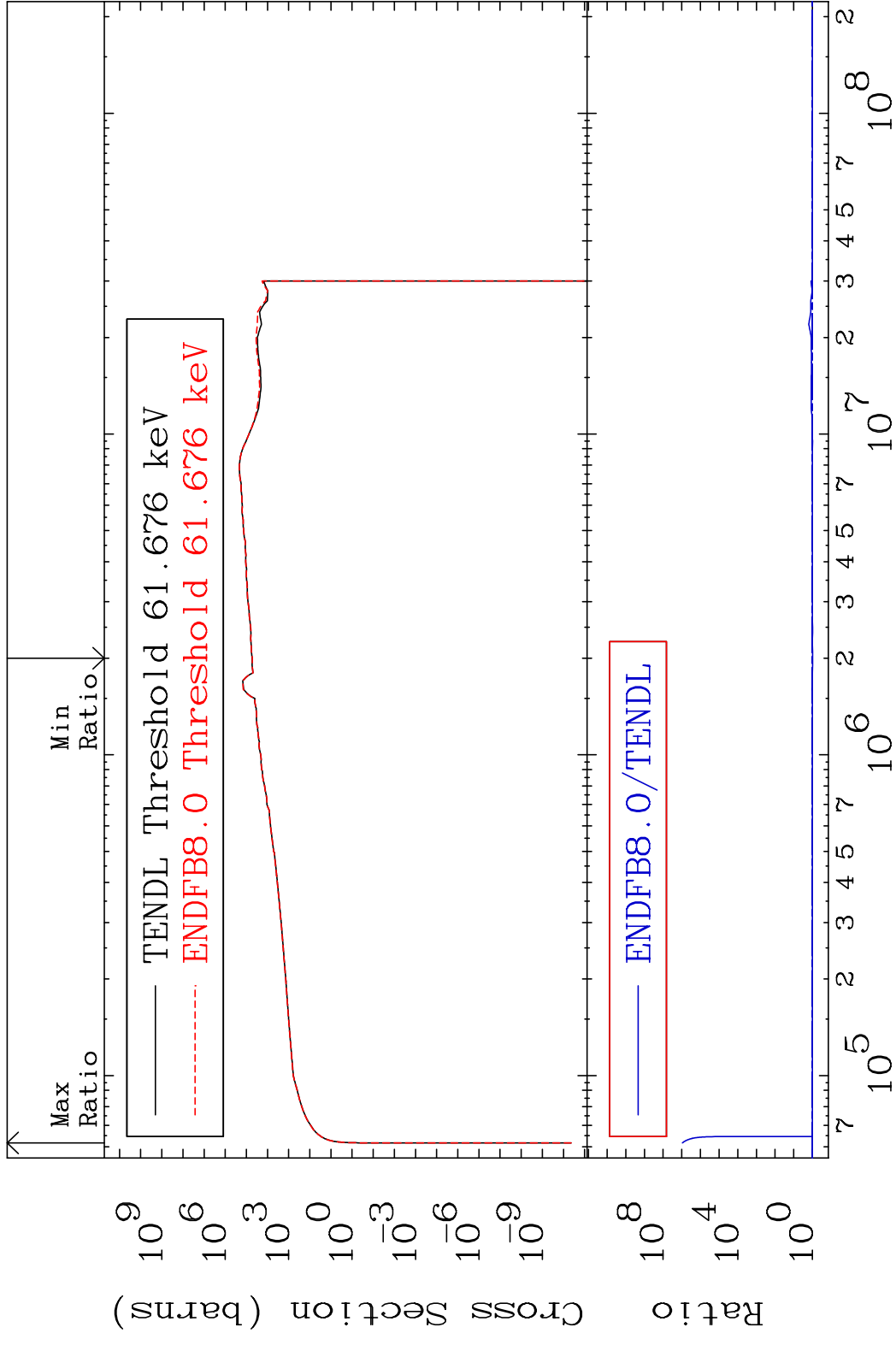
61-Pm-145

MAT 6143 Kerma non-elastic (all but mt2) 61-Pm-145
 Cross Section -9999. To 9999. %

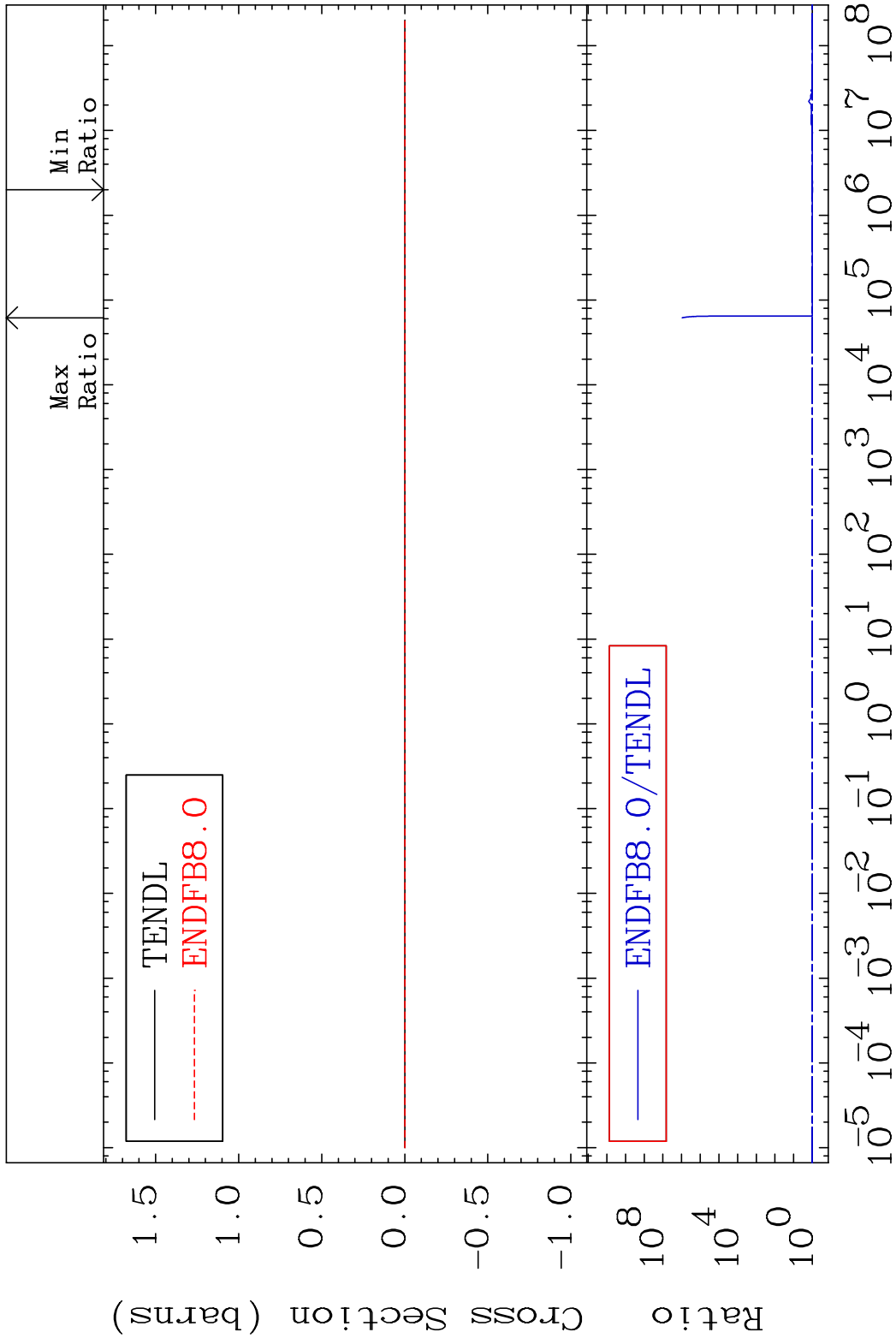


70 Incident Energy (eV) 61-Pm-145

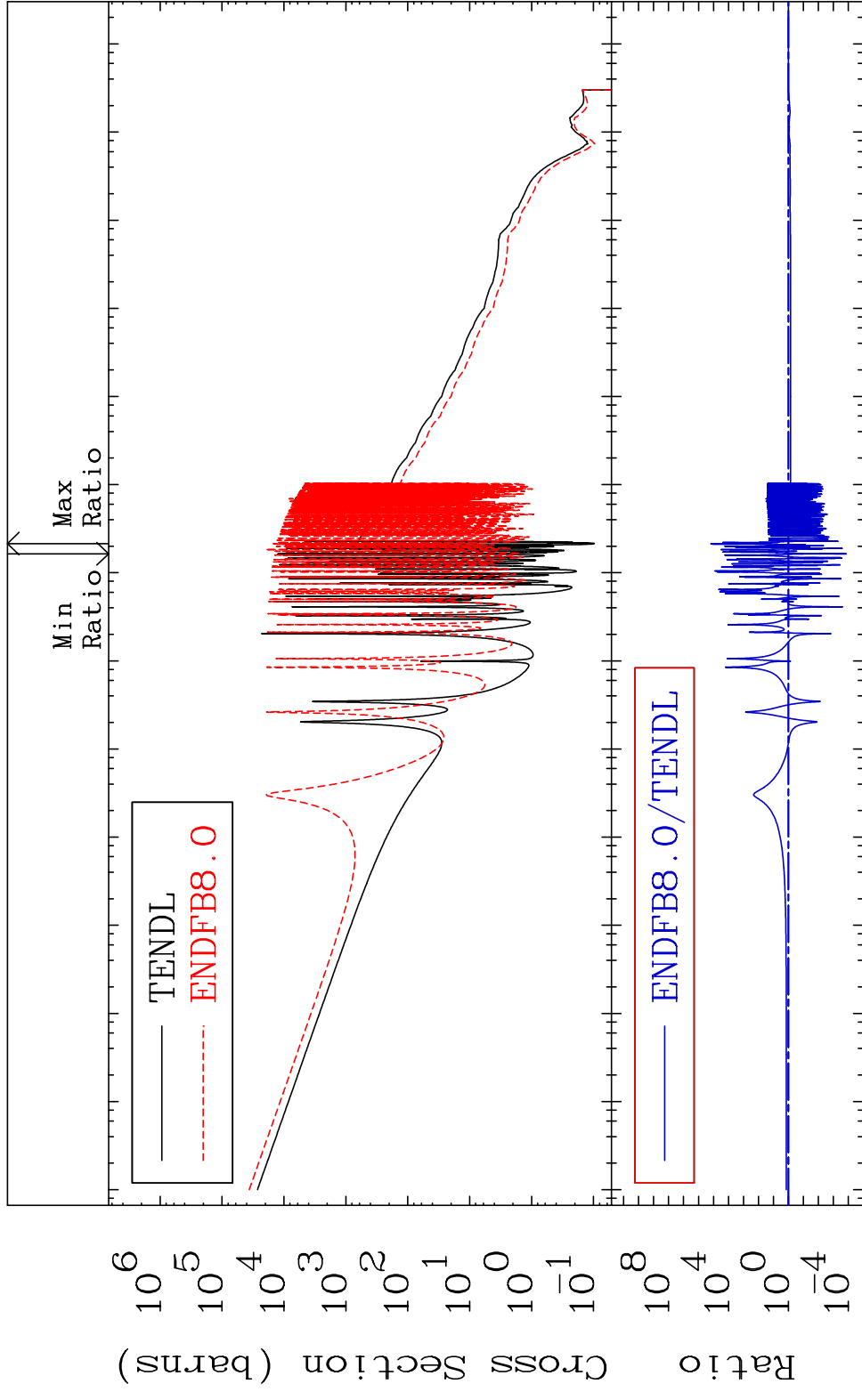
MAT 6143 Kerma inelastic (mt51-91) 61-Pm-145
 Cross Section -1.767 To 9999. %



MAT 6143 Kerma fission (mt18 or mt19-20-21-38) 61-Pm-145
 Cross Section -1.767 To 9999. %

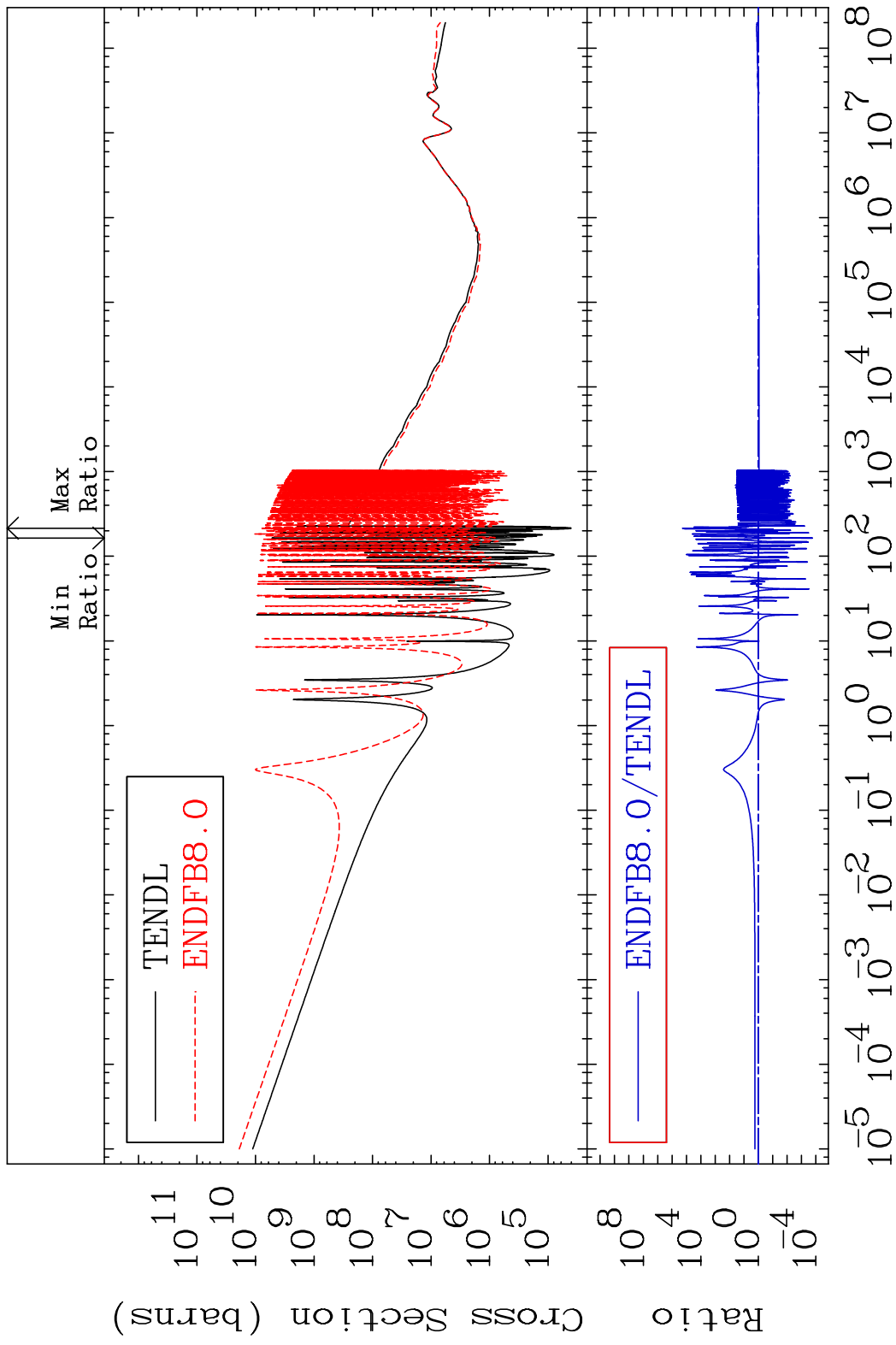


MAT 6143 Kerma capture (mt102) 61-Pm-145
 Cross Section -99.99 To 9999. %



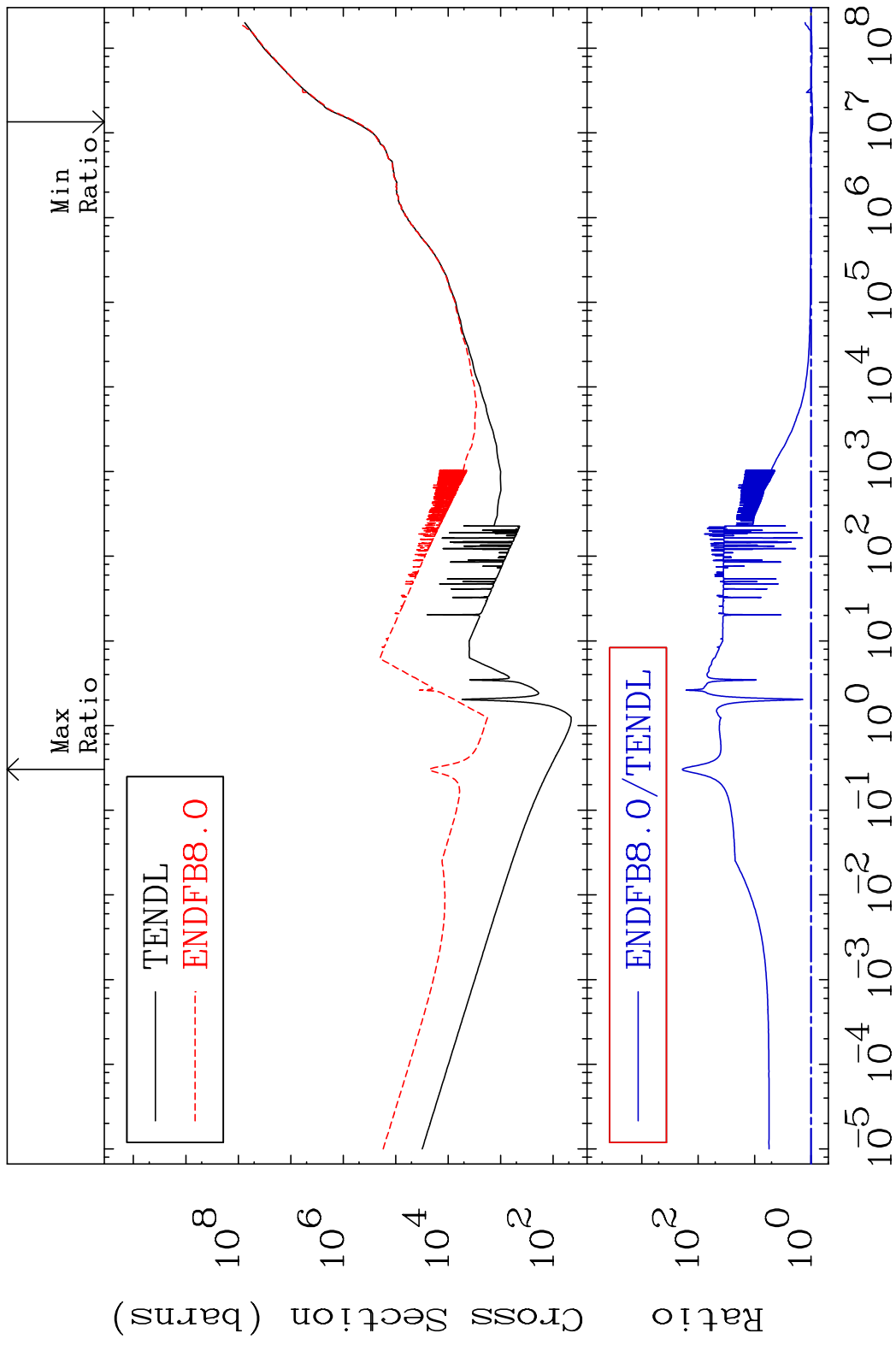
73 Incident Energy (eV) 61-Pm-145

MAT 6143 Total photon (eV-barns) 61-Pm-145
 Cross Section -99.98 To 9999. %



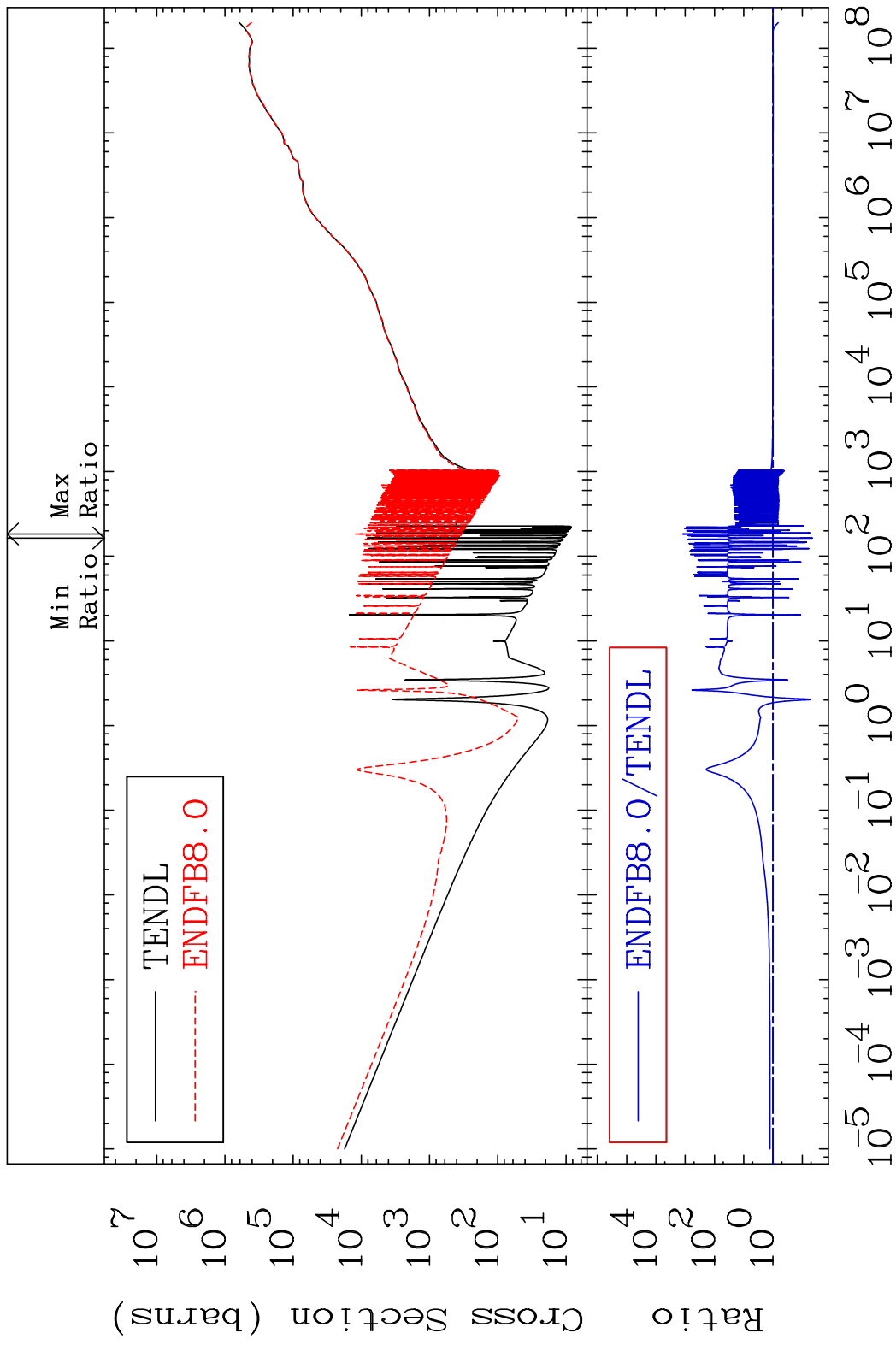
74 Incident Energy (eV) 61-Pm-145

MAT 6143 Total kinematic kerma (high limit) 61-Pm-145
 Cross Section -5.875 To 9999. %



75 Incident Energy (eV) 61-Pm-145

MAT 6143 Dpa total (eV-barns) 61-Pm-145
 Cross Section -95.54 To 9999. %

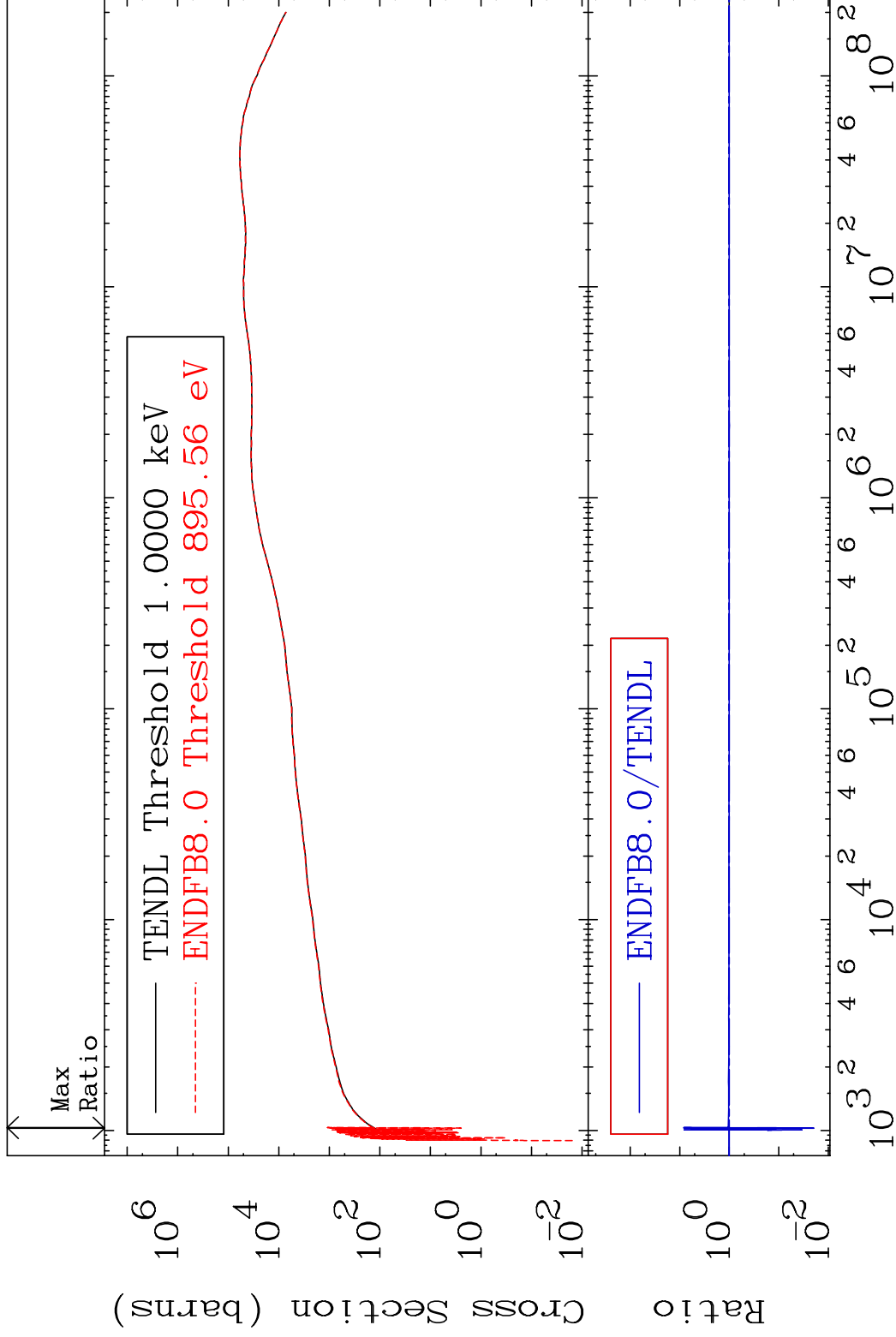


MAT 6143

Dpa elastic (mt2)

61-Pm-145

Cross Section -98.07 To 733.8 %

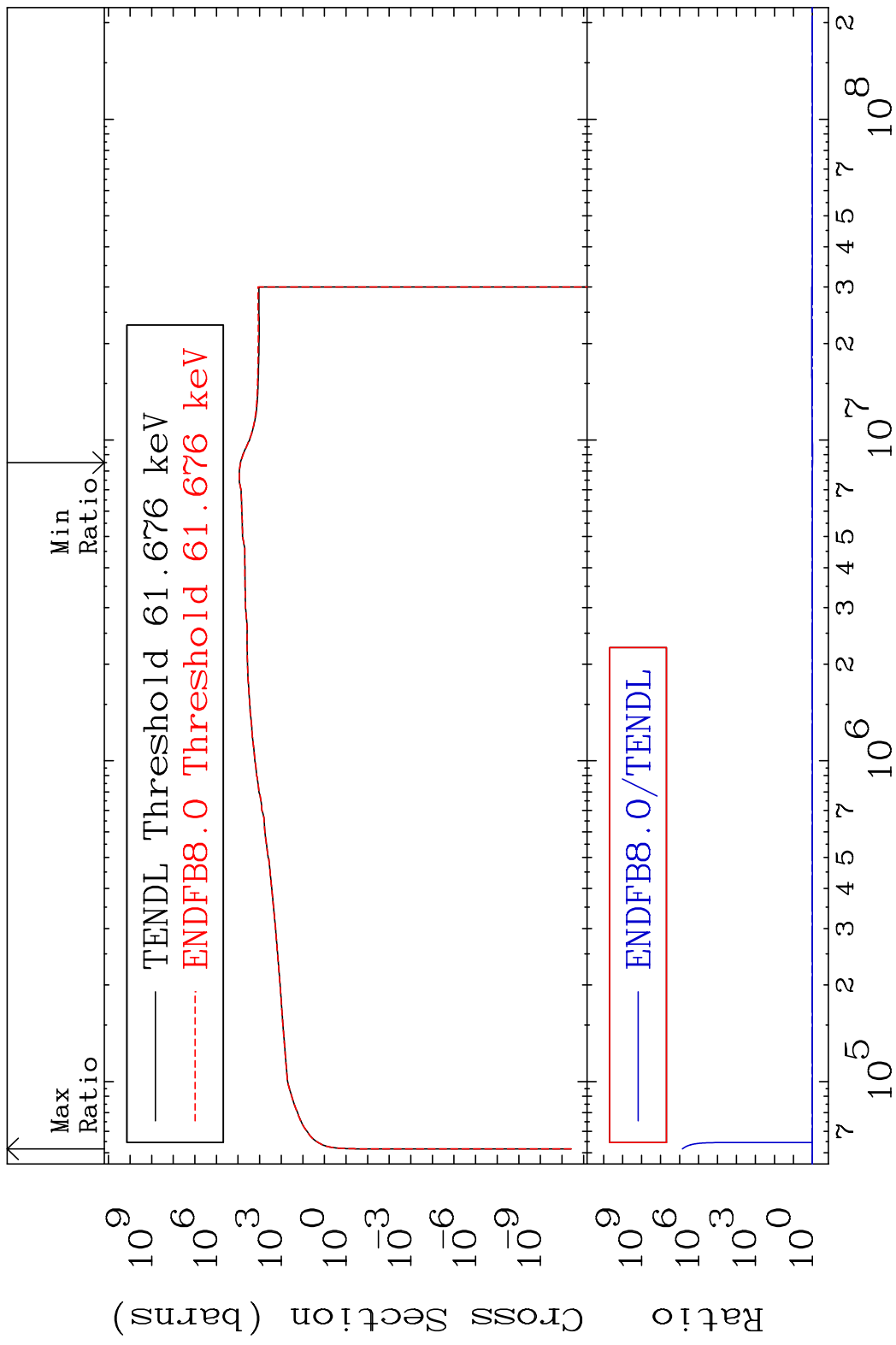


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Incident Energy (eV)

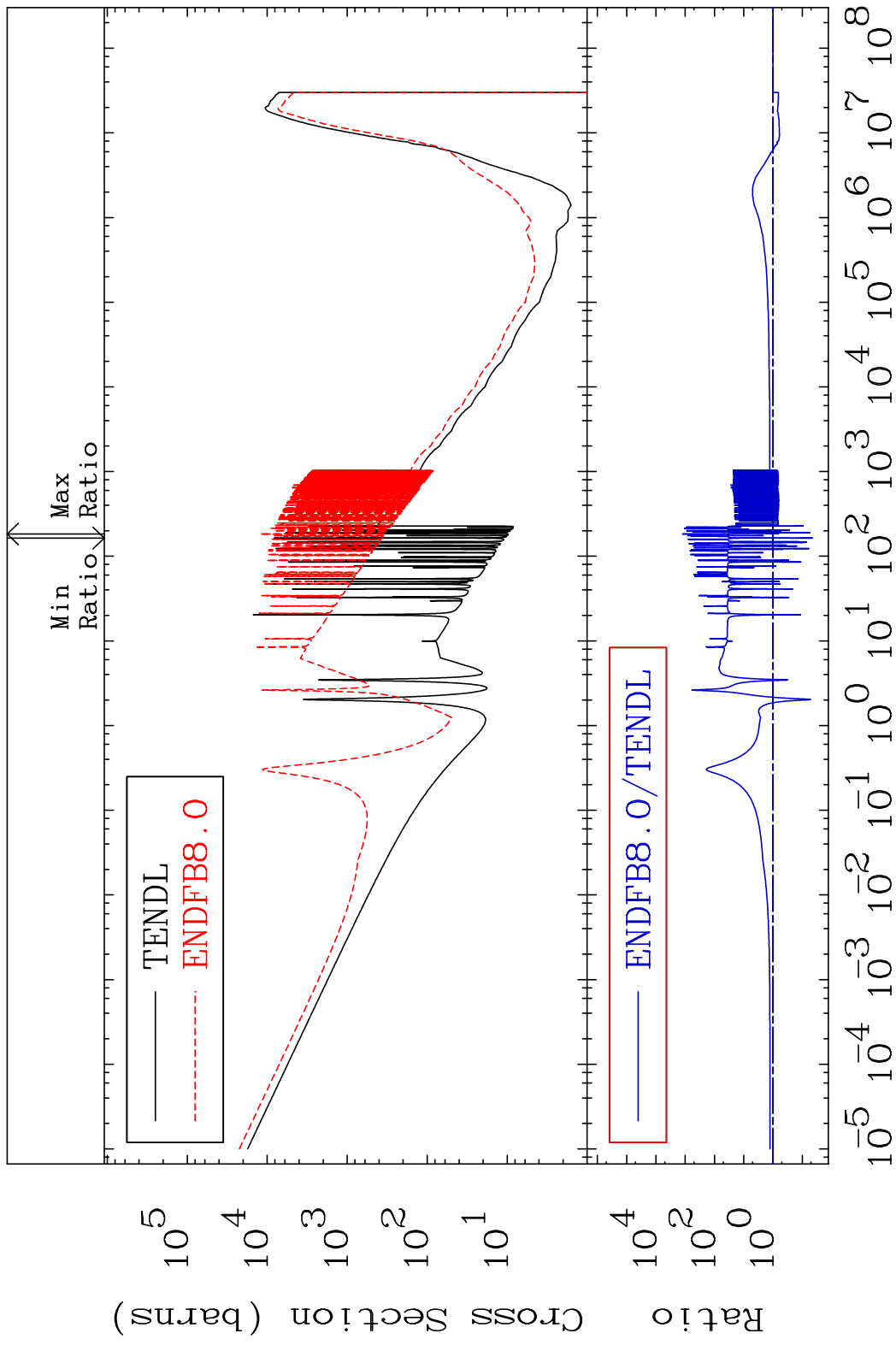
61-Pm-145

MAT 6143 Dpa inelastic (mt51-91) 61-Pm-145
 Cross Section -2.013 To 9999. %



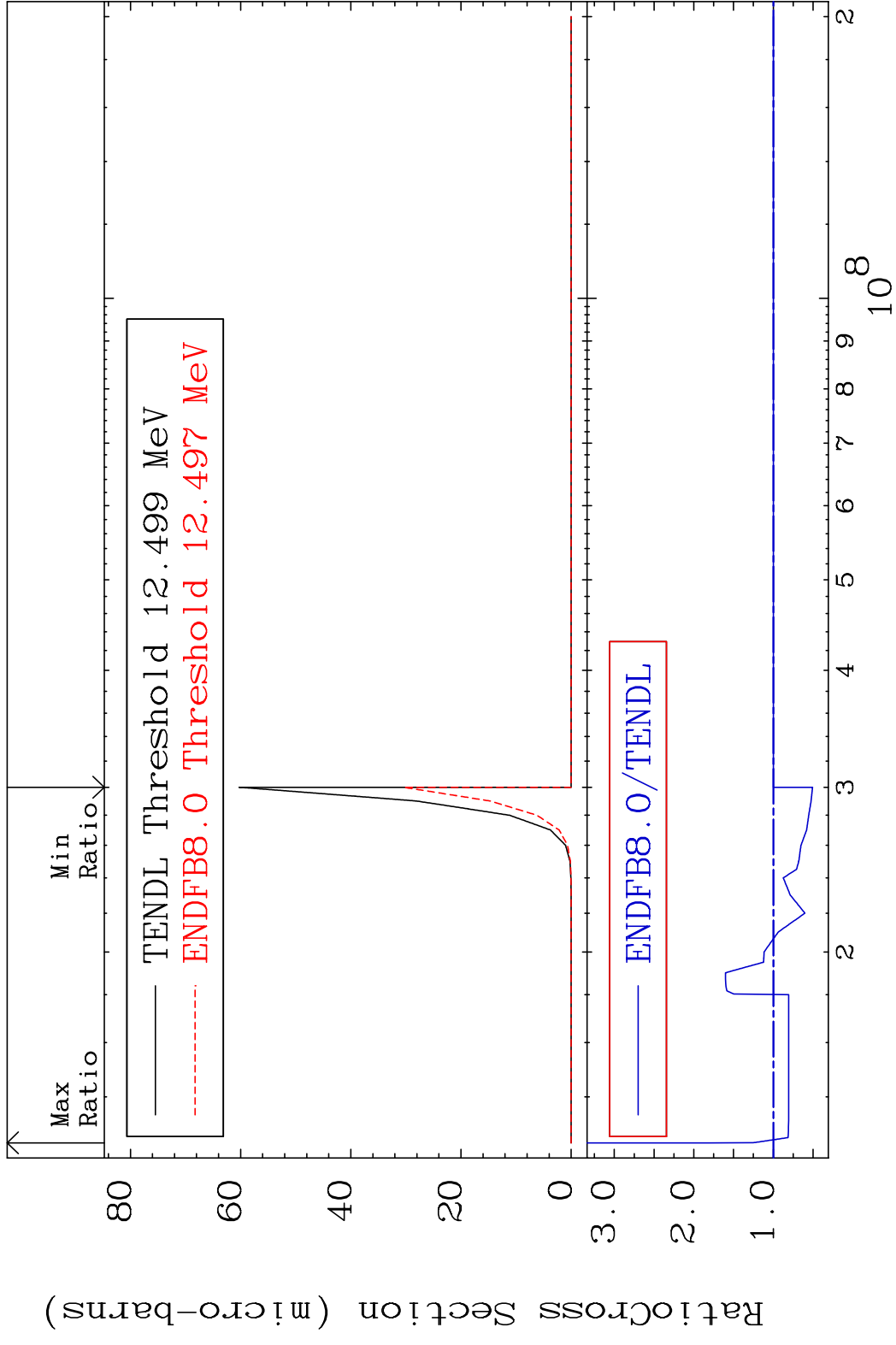
78 Incident Energy (eV) 61-Pm-145

MAT 6143 Dpa disappearance (mt102 -120) 61-Pm-145
 Cross Section -95.54 To 9999. %



79 Incident Energy (eV) 61-Pm-145

MAT 6143 (n, n') He-3:59-Pr-142g 61-Pm-145
 Radionuclide Production Cross Section 114.4 %



80 Incident Energy (eV) 61-Pm-145

