

Program Complot
(Version 2021-1)

by

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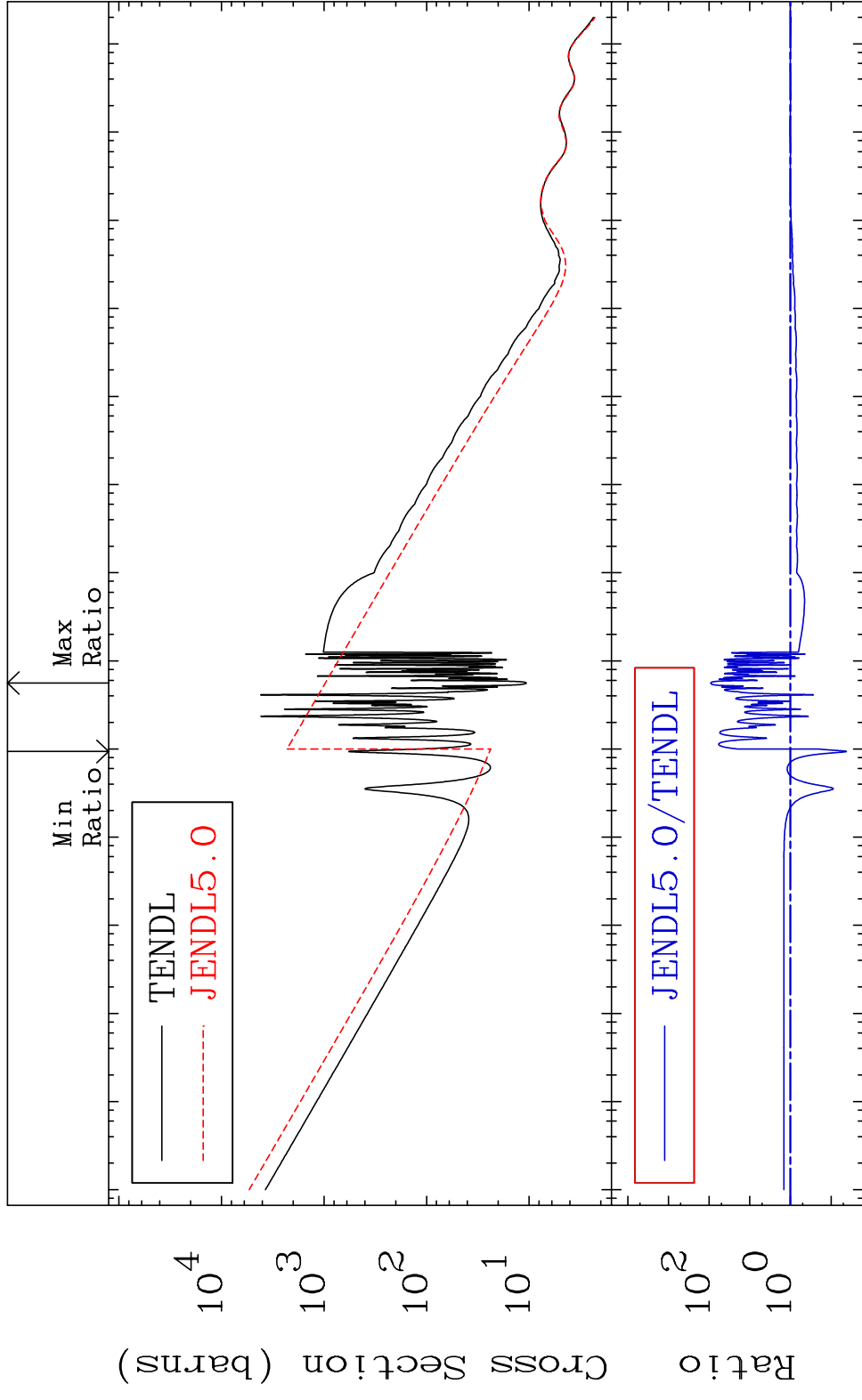
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6322

Total
Cross Section -95.78 To 9031. %

63-Eu-150



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

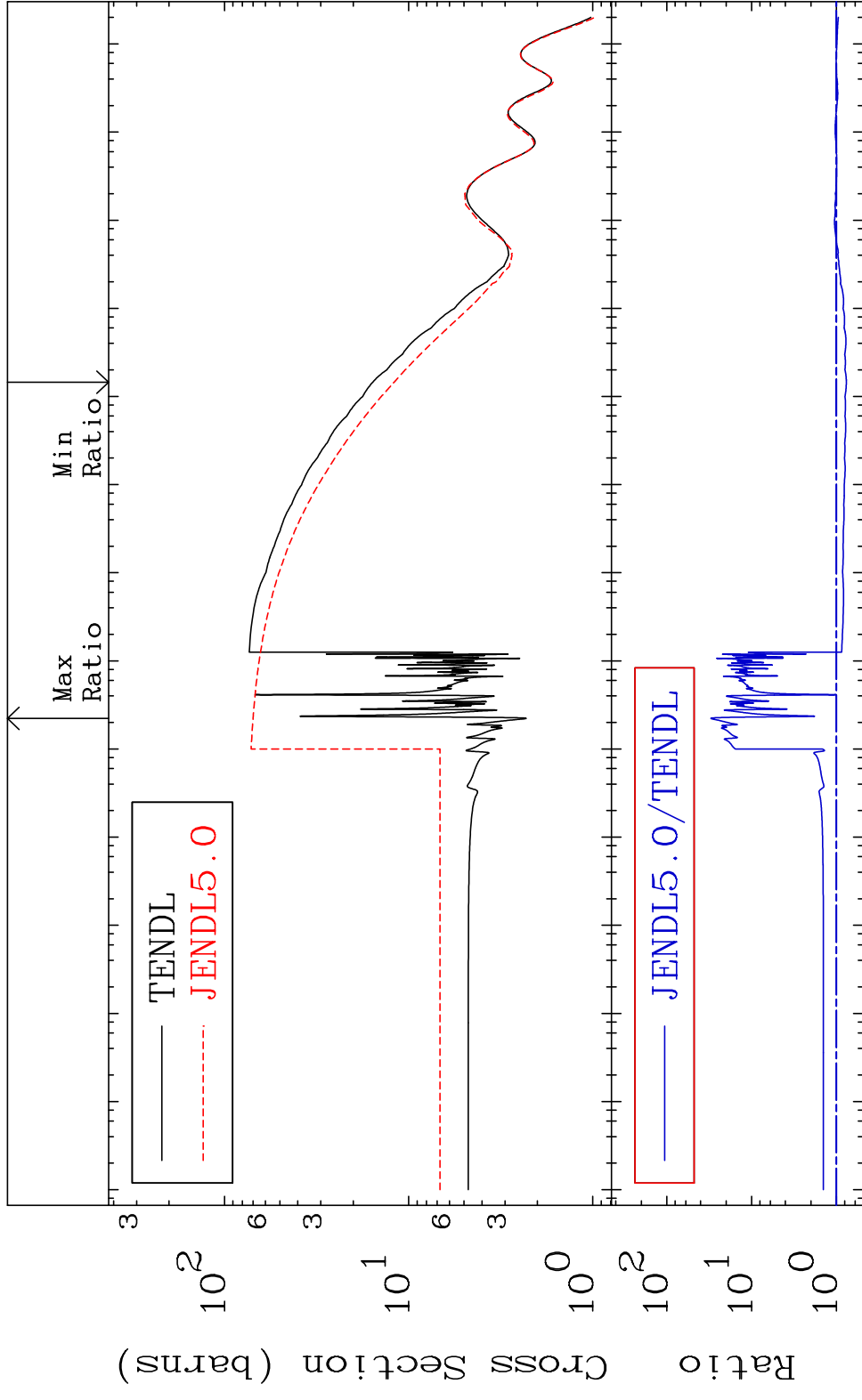
Incident Energy (eV)

63-Eu-150

MAT 6322

Elastic Cross Section -23.51 To 2942. %

63-Eu-150

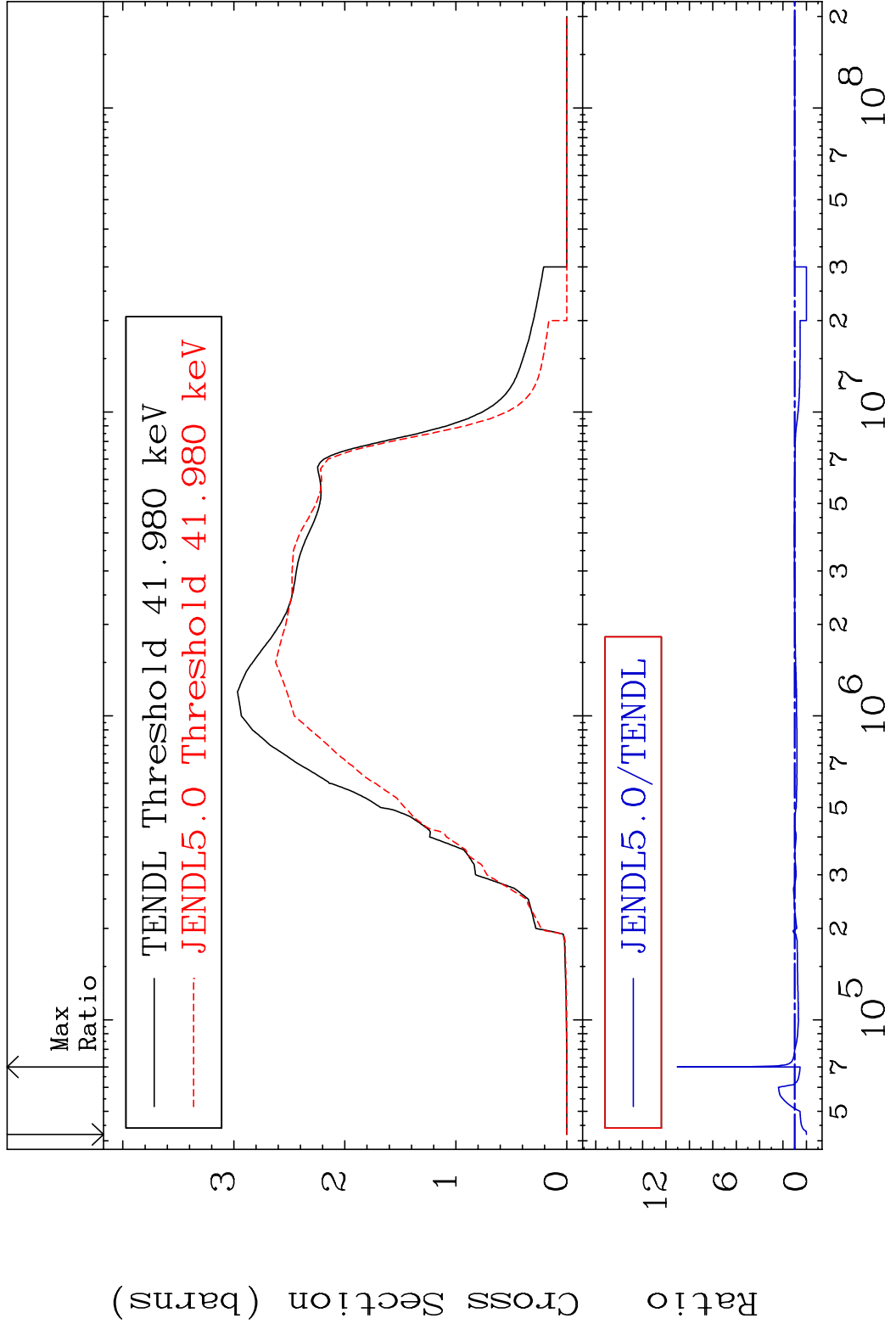


2

Incident Energy (eV)

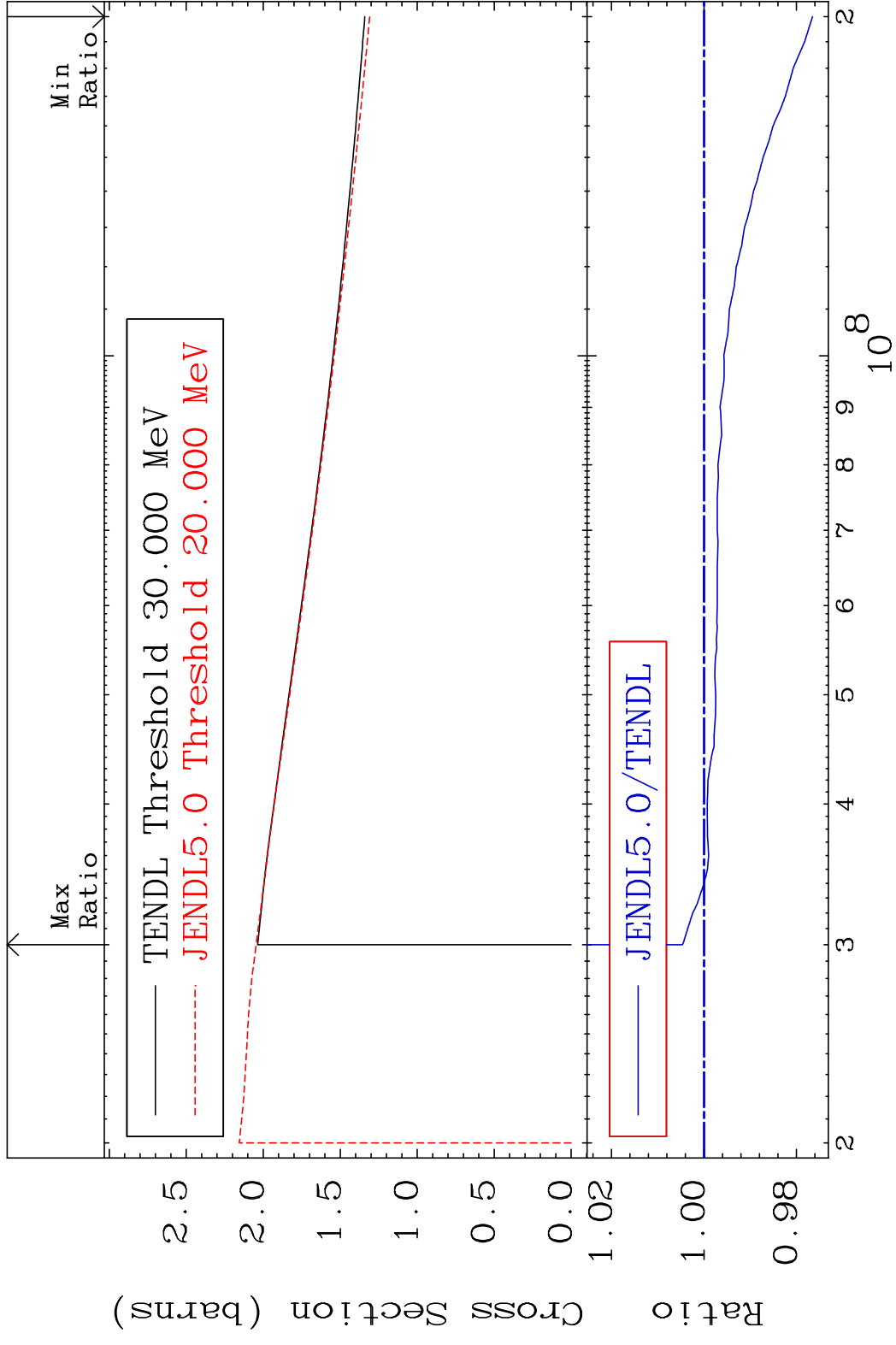
63-Eu-150

MAT 6322 Inelastic 63-Eu-150
 Cross Section -100.0 To 1004. %



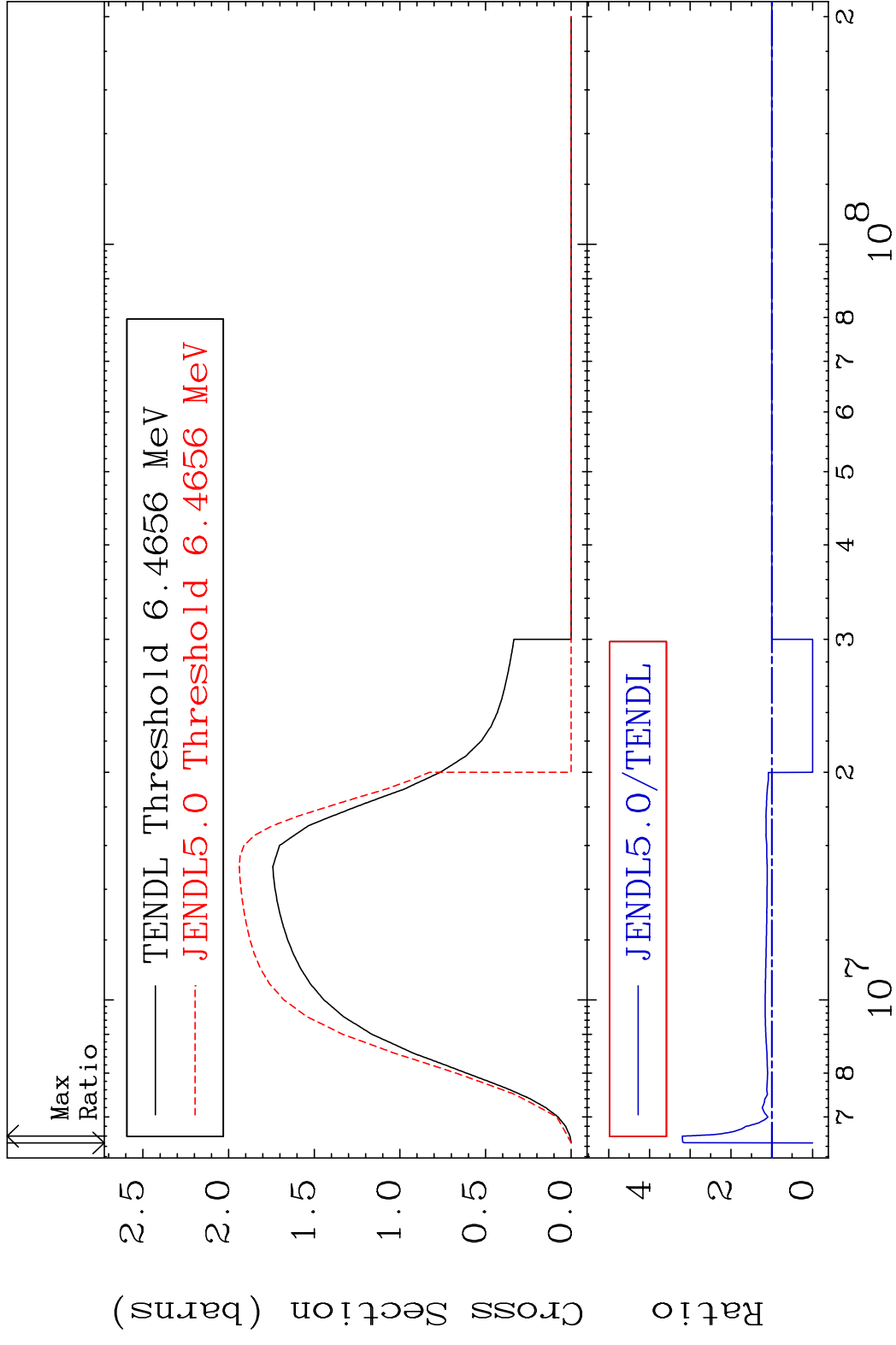
3 Incident Energy (eV) 63-Eu-150

MAT 6322 (n, remainder) 63-Eu-150
 Cross Section -2.350 To 0.467 %



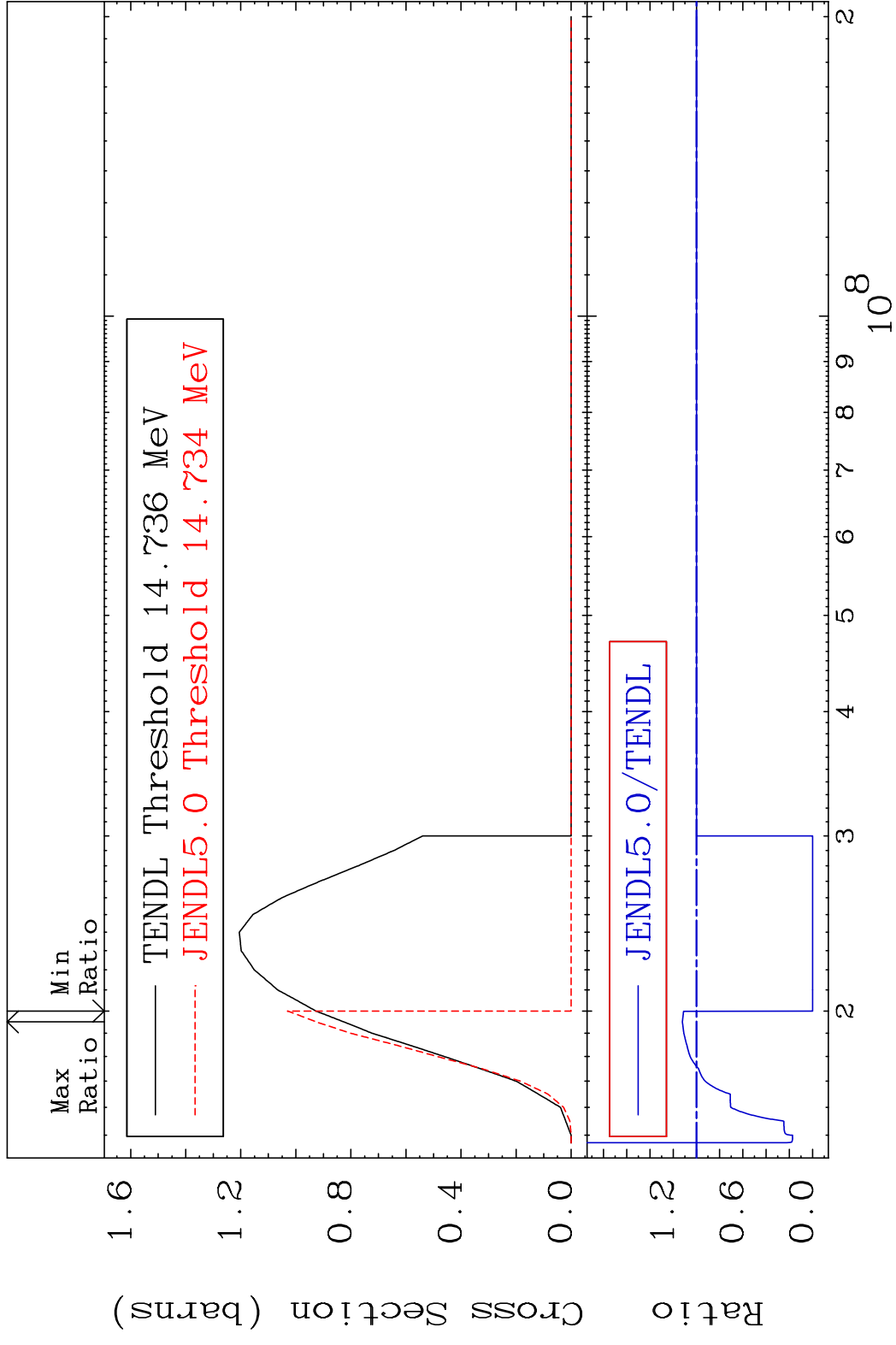
4 Incident Energy (eV) 63-Eu-150

MAT 6322 (n,2n) 63-Eu-150
 Cross Section -100.0 To 219.4 %



5 Incident Energy (eV) 63-Eu-150

MAT 6322 (n,3n) 63-Eu-150
 Cross Section -100.0 To 12.11 %

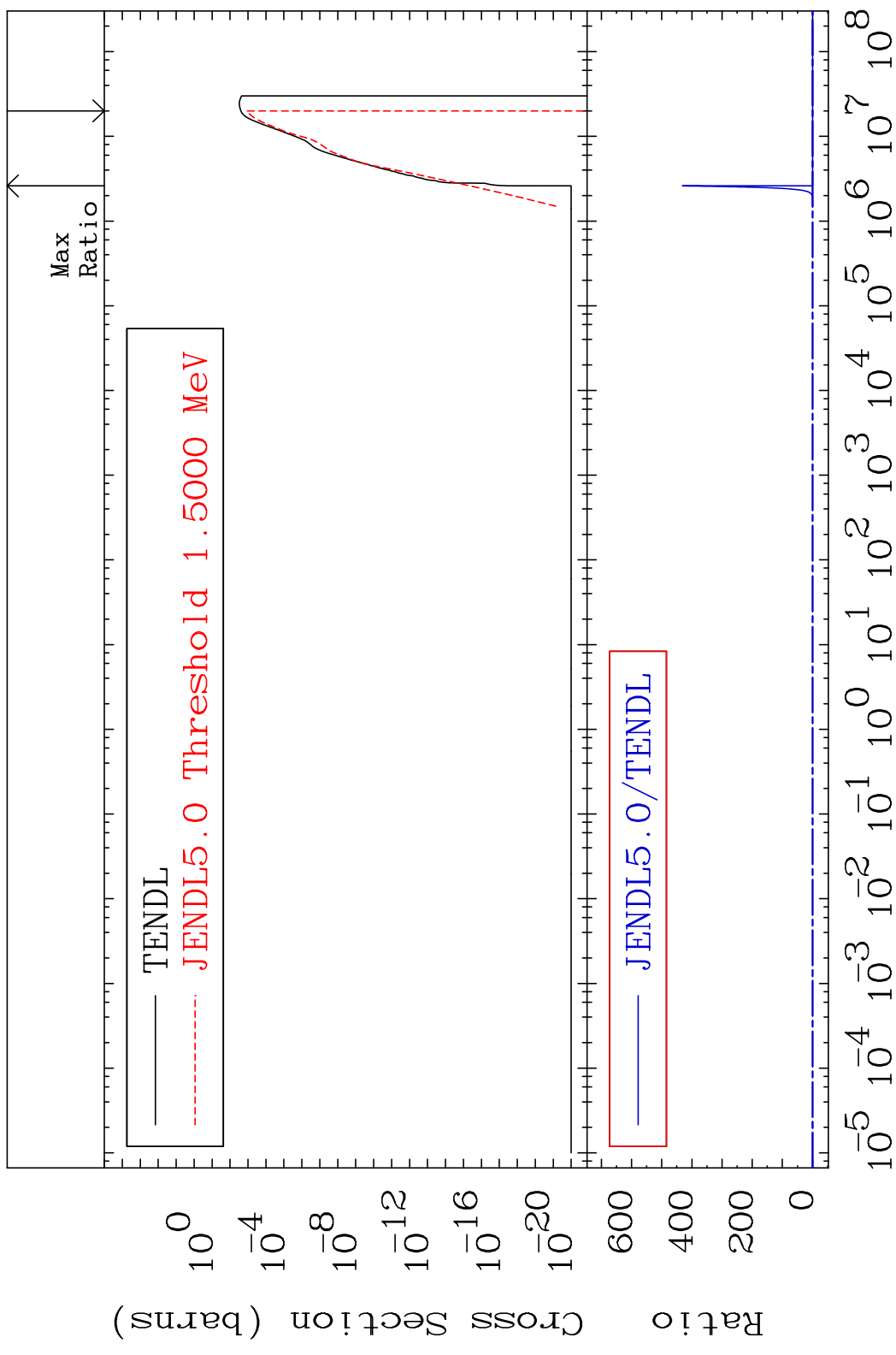


MAT 6322

(n, n') α

63-Eu-150

Cross Section -100.0 To 9999. %

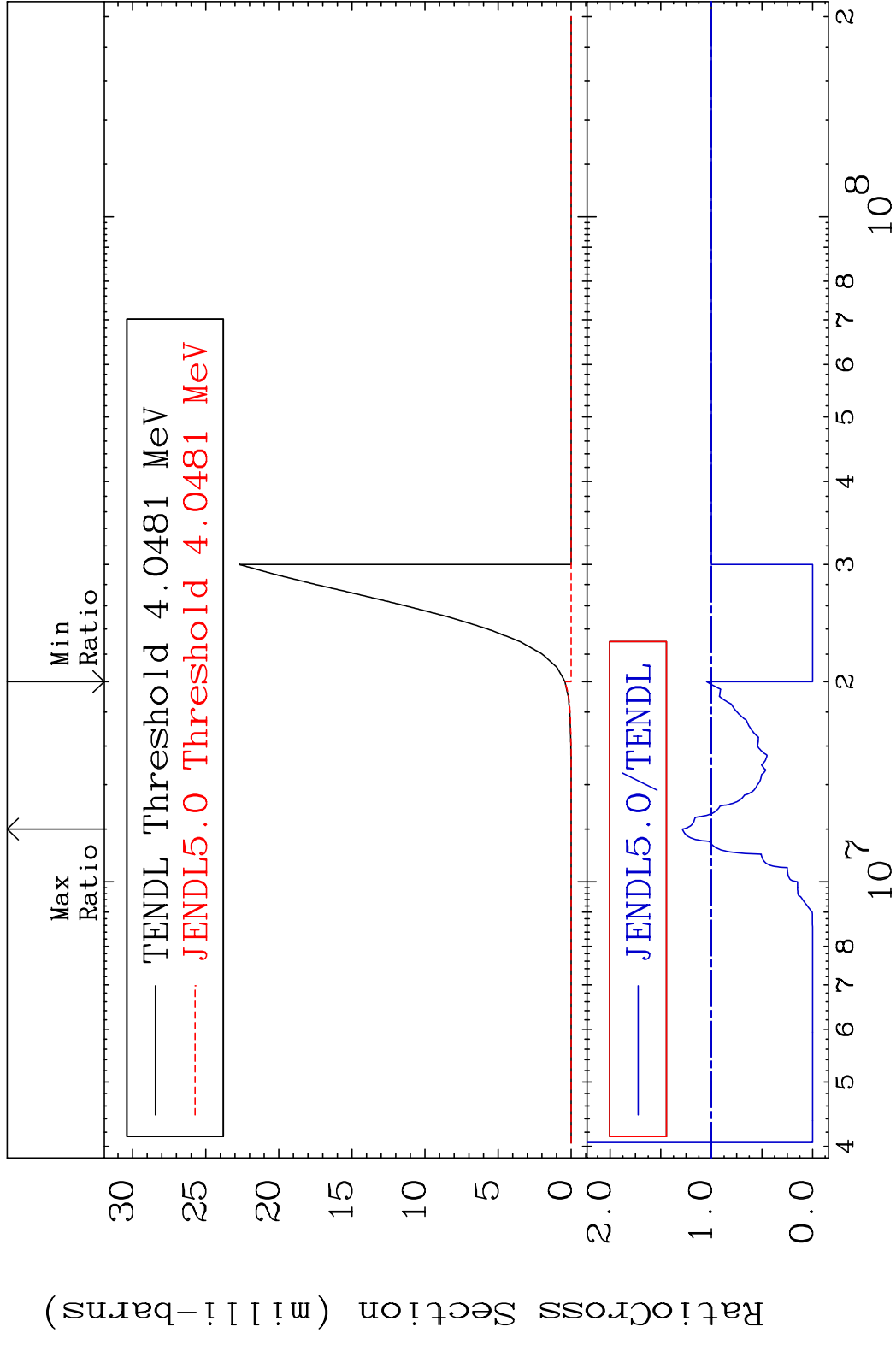


7

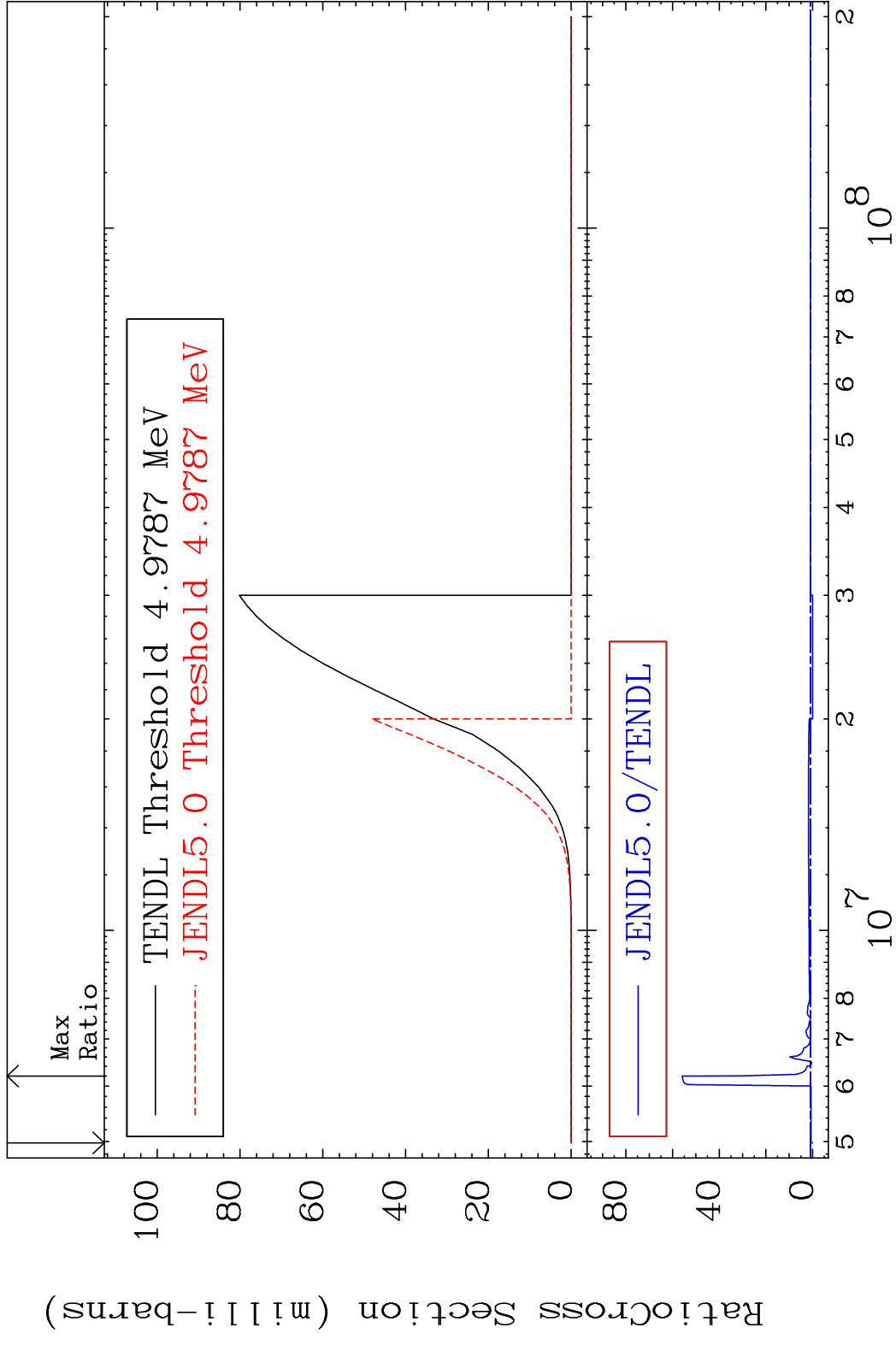
Incident Energy (eV)

63-Eu-150

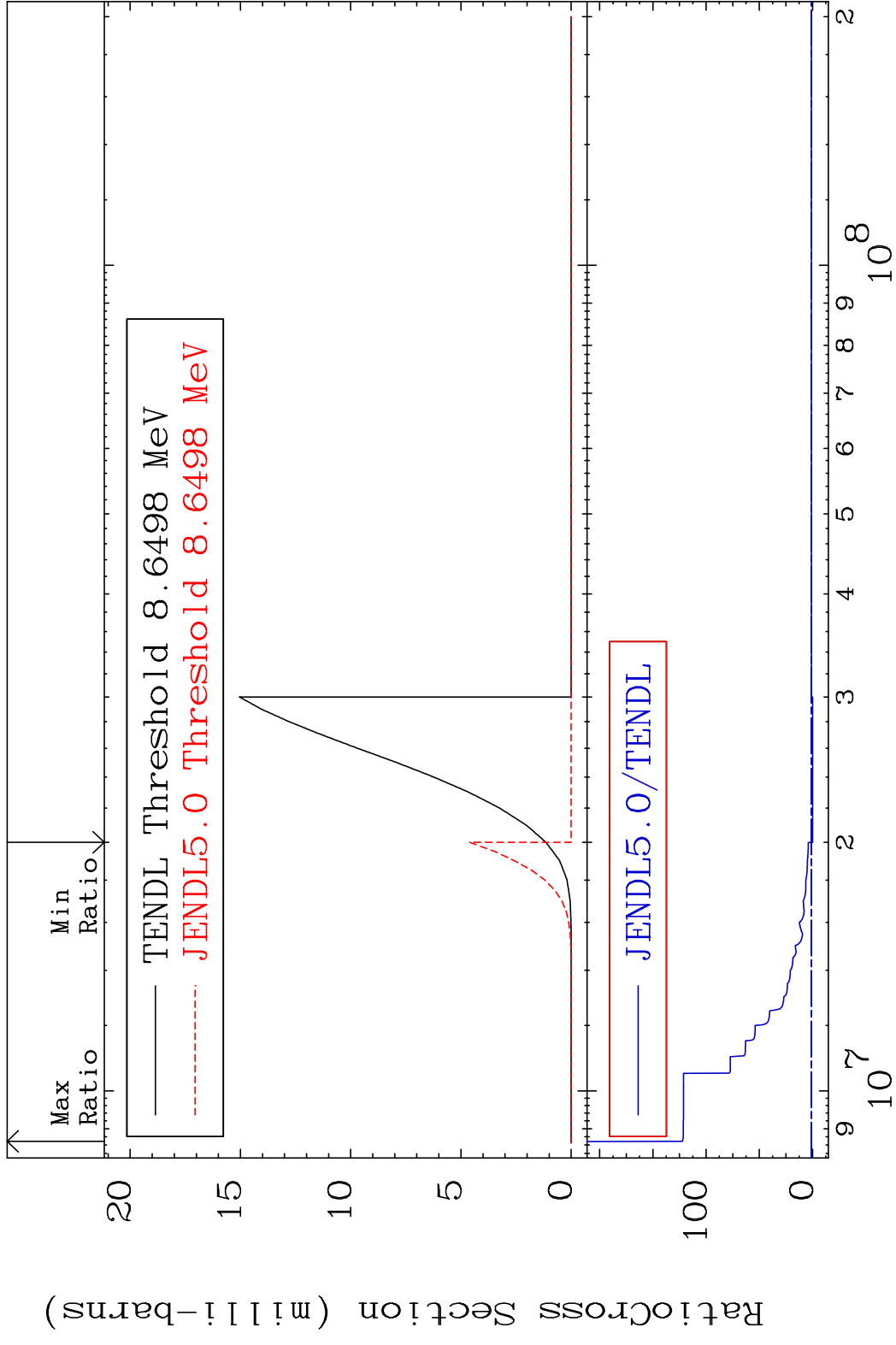
MAT 6322 (n,2n) α 63-Eu-150
 Cross Section -100.0 To 28.67 %



MAT 6322 (n, n') p 63-Eu-150
 Cross Section -100.0 To 5480. %



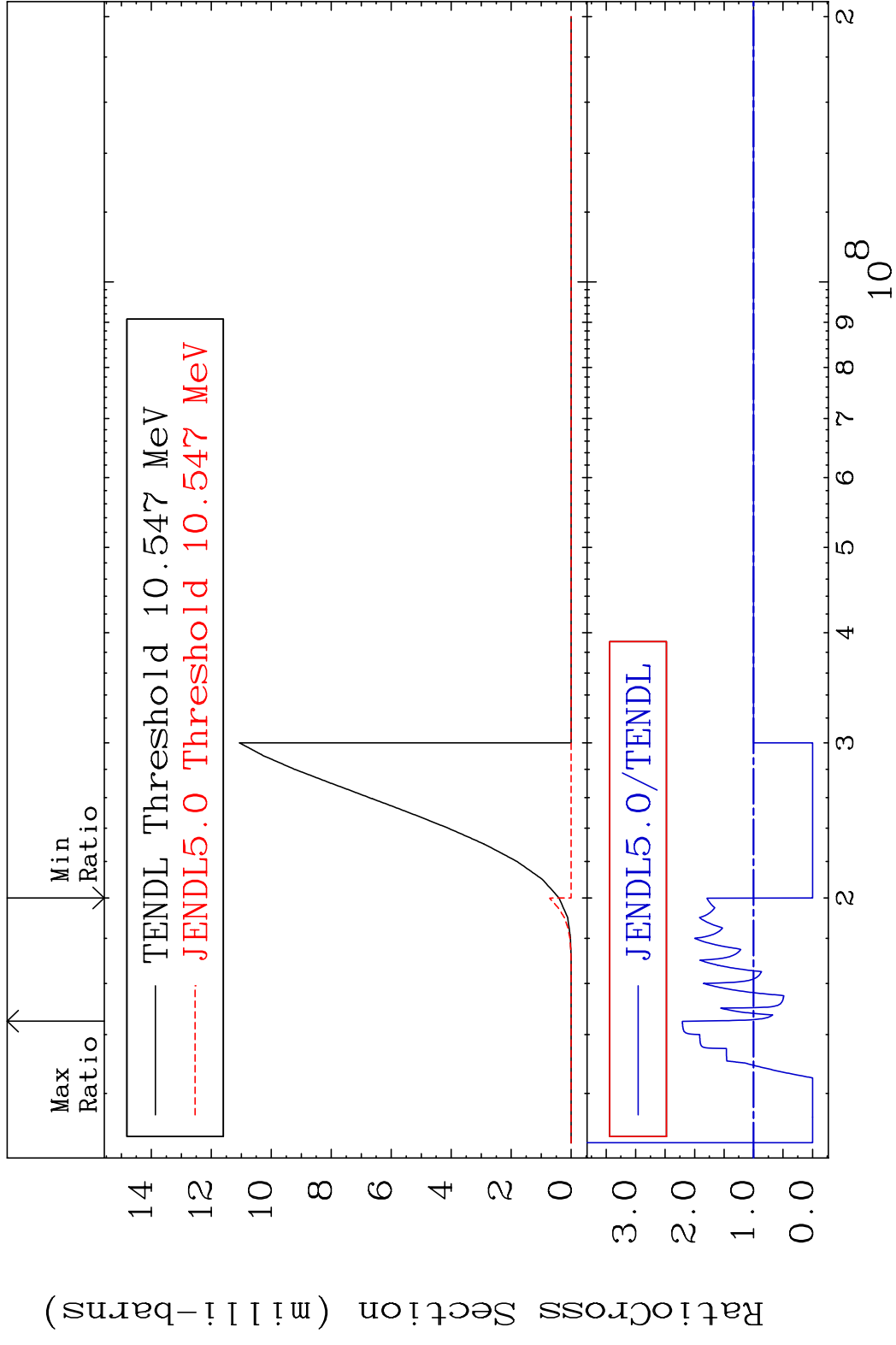
MAT 6322 (n, n') d 63-Eu-150
 Cross Section -100.0 To 9999. %



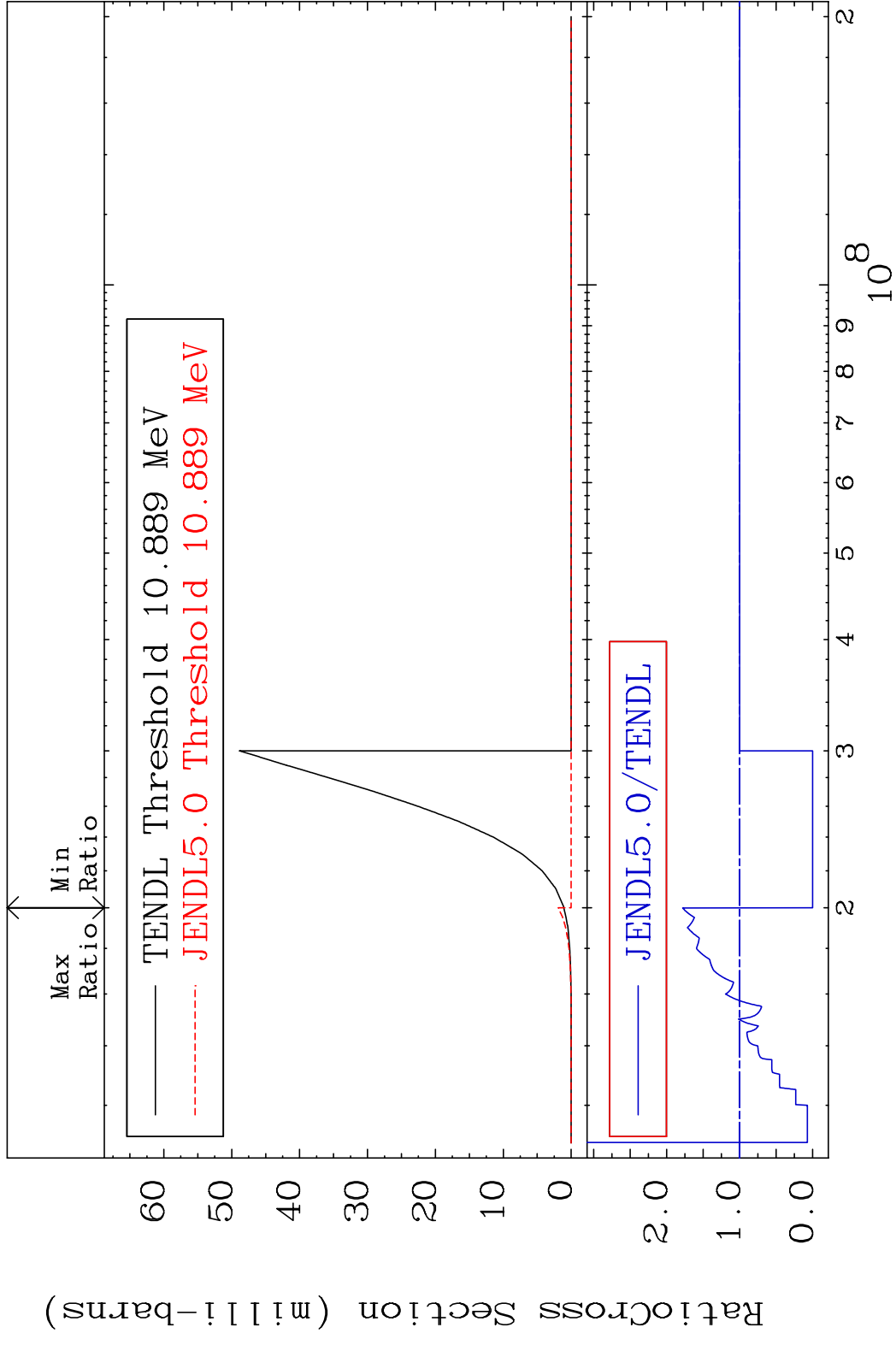
10 9 8 7 6 5 4 3 2 10 8 9 2

63-Eu-150

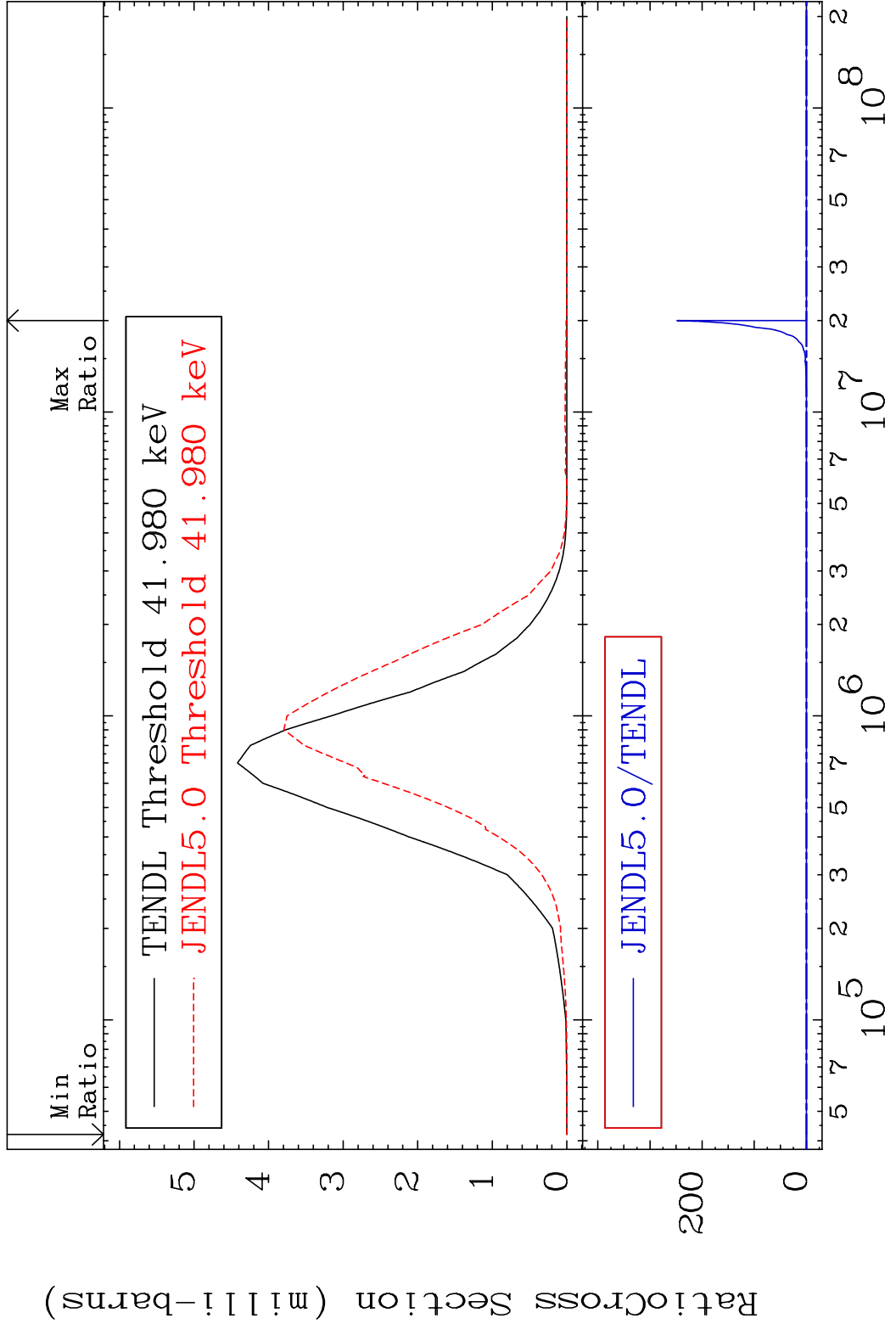
MAT 6322 (n, n') t 63-Eu-150
 Cross Section -100.0 To 120.7 %



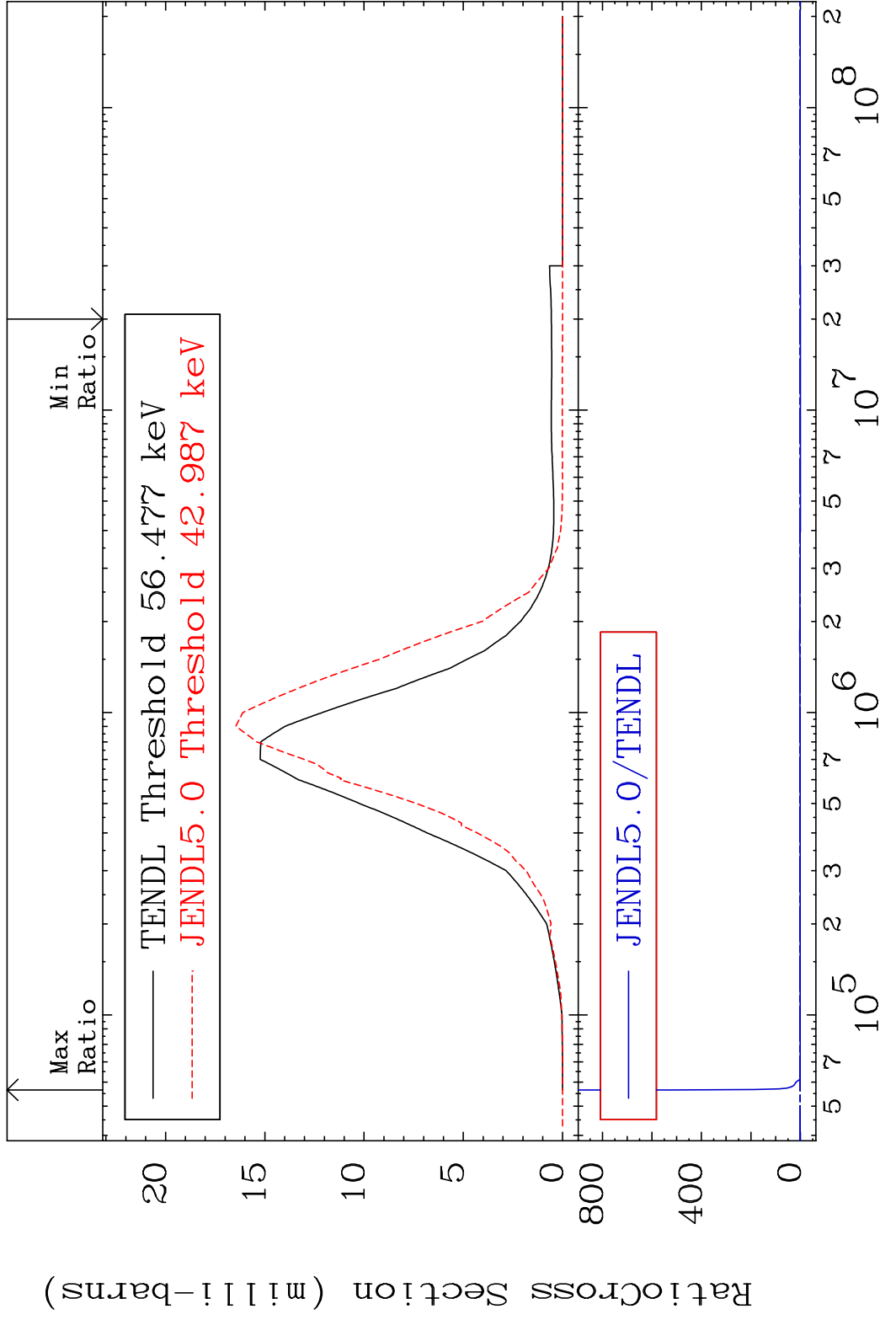
MAT 6322 (n,2n) p 63-Eu-150
 Cross Section -100.0 To 78.48 %



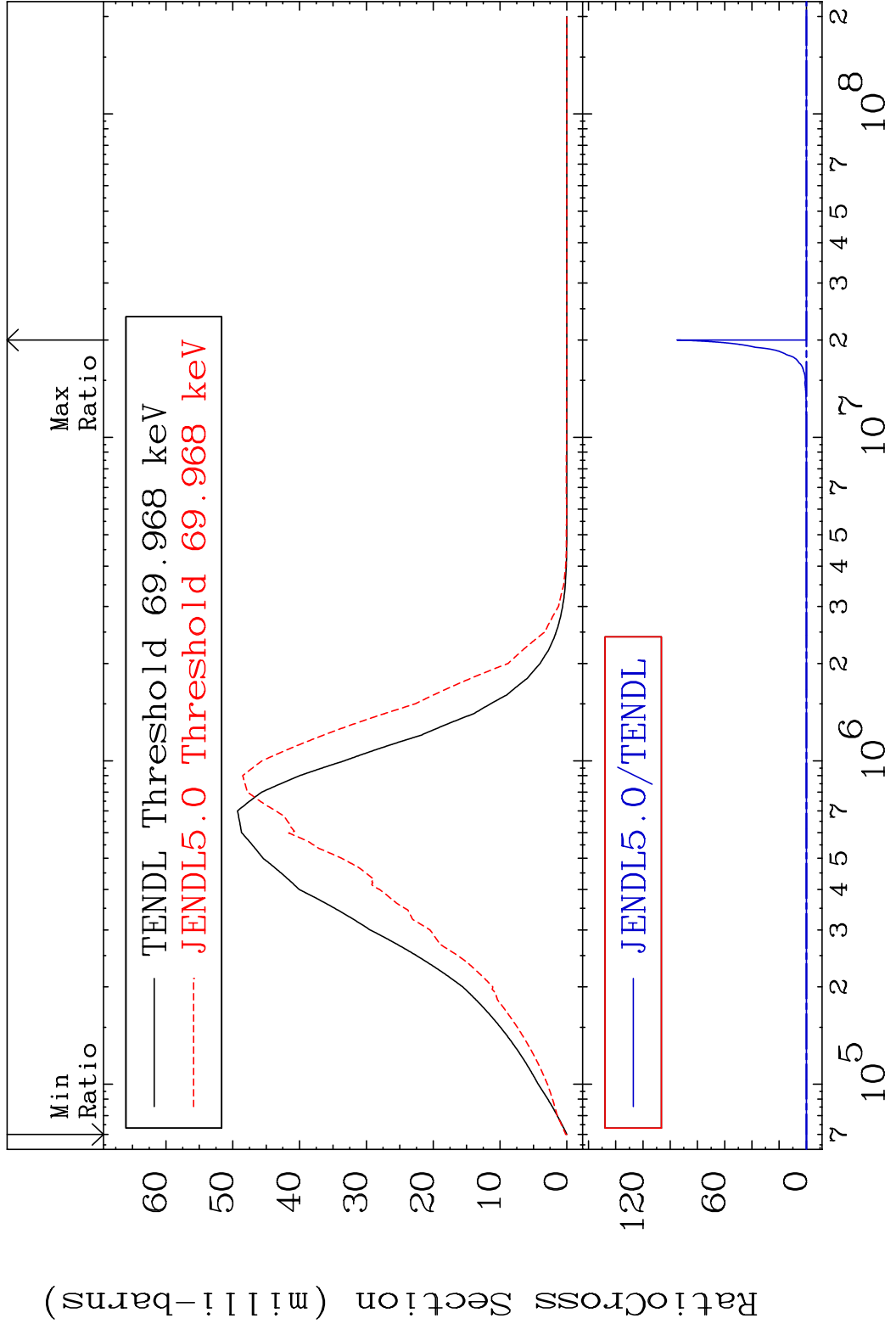
MAT 6322 MT= 51 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



MAT 6322 MT= 52 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %

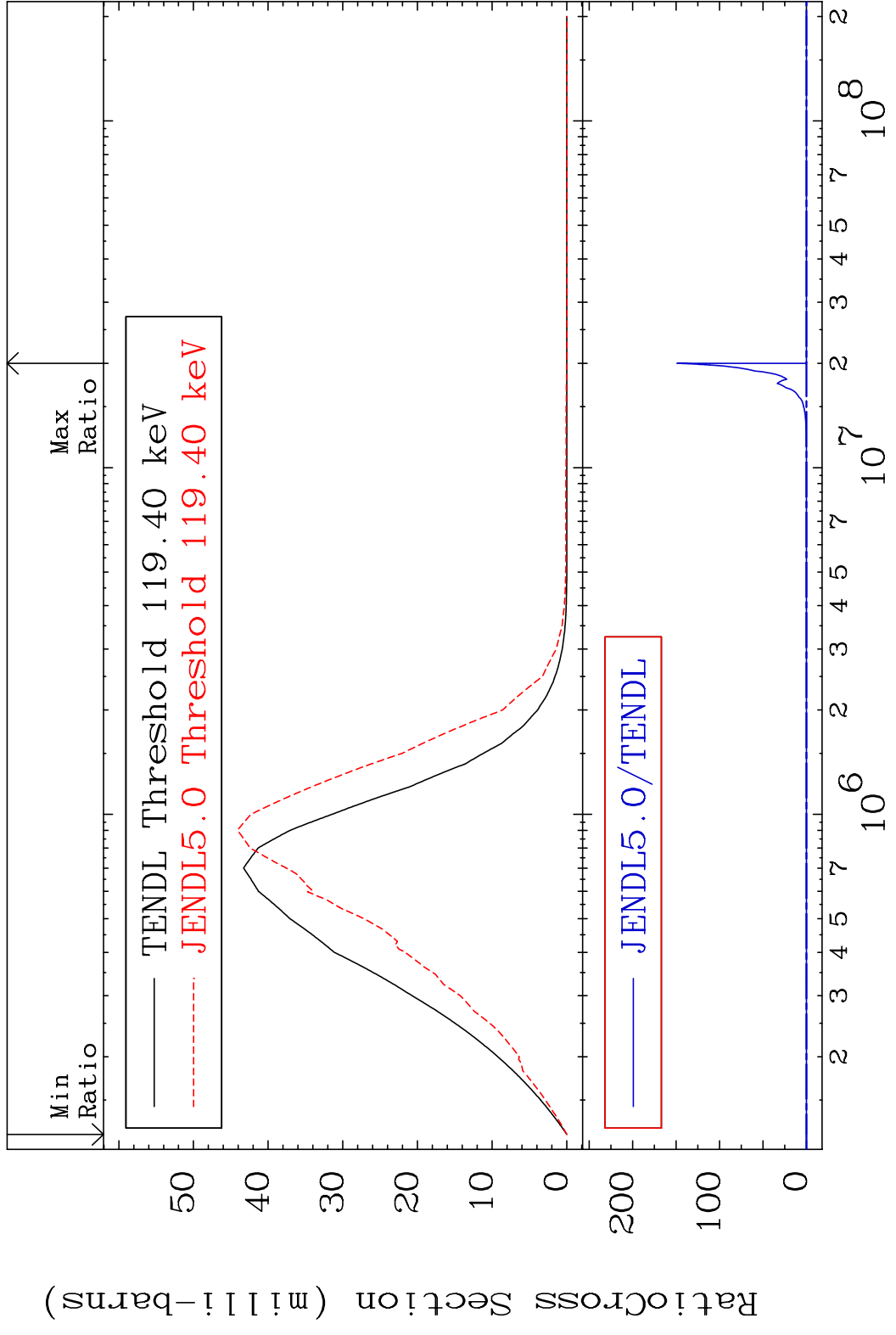


MAT 6322 MT= 53 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %

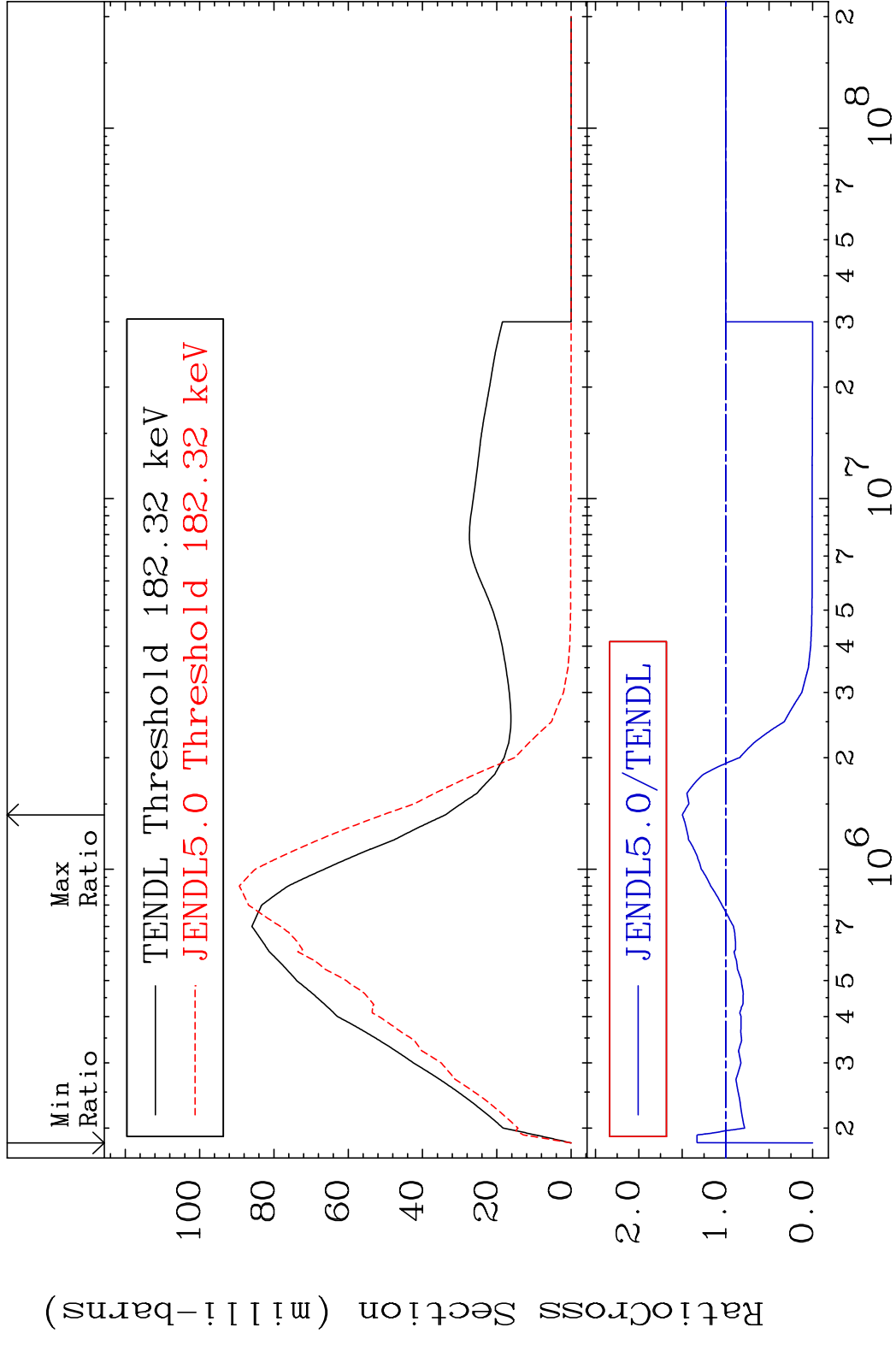


15 Incident Energy (eV) 63-Eu-150

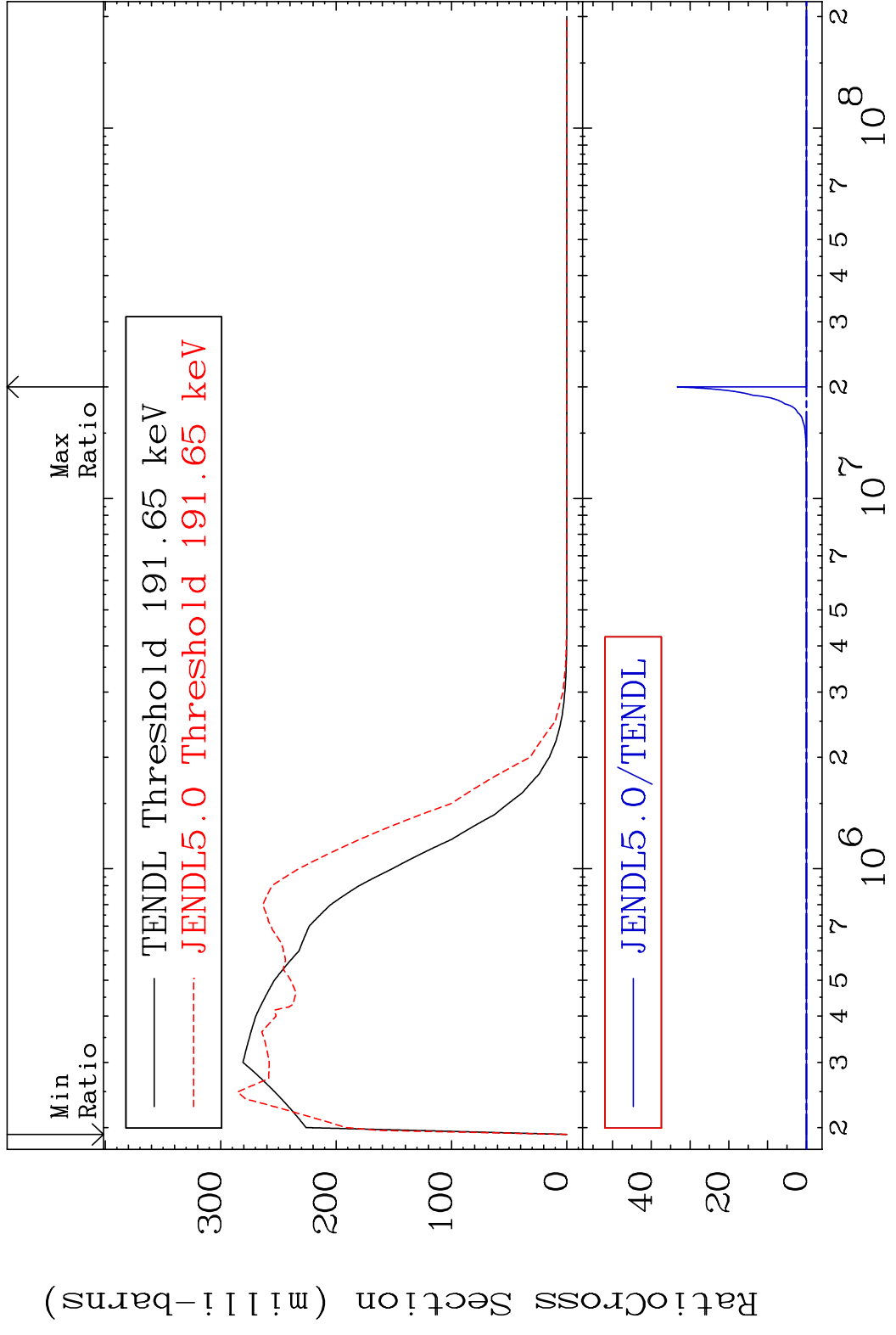
MAT 6322 MT= 54 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



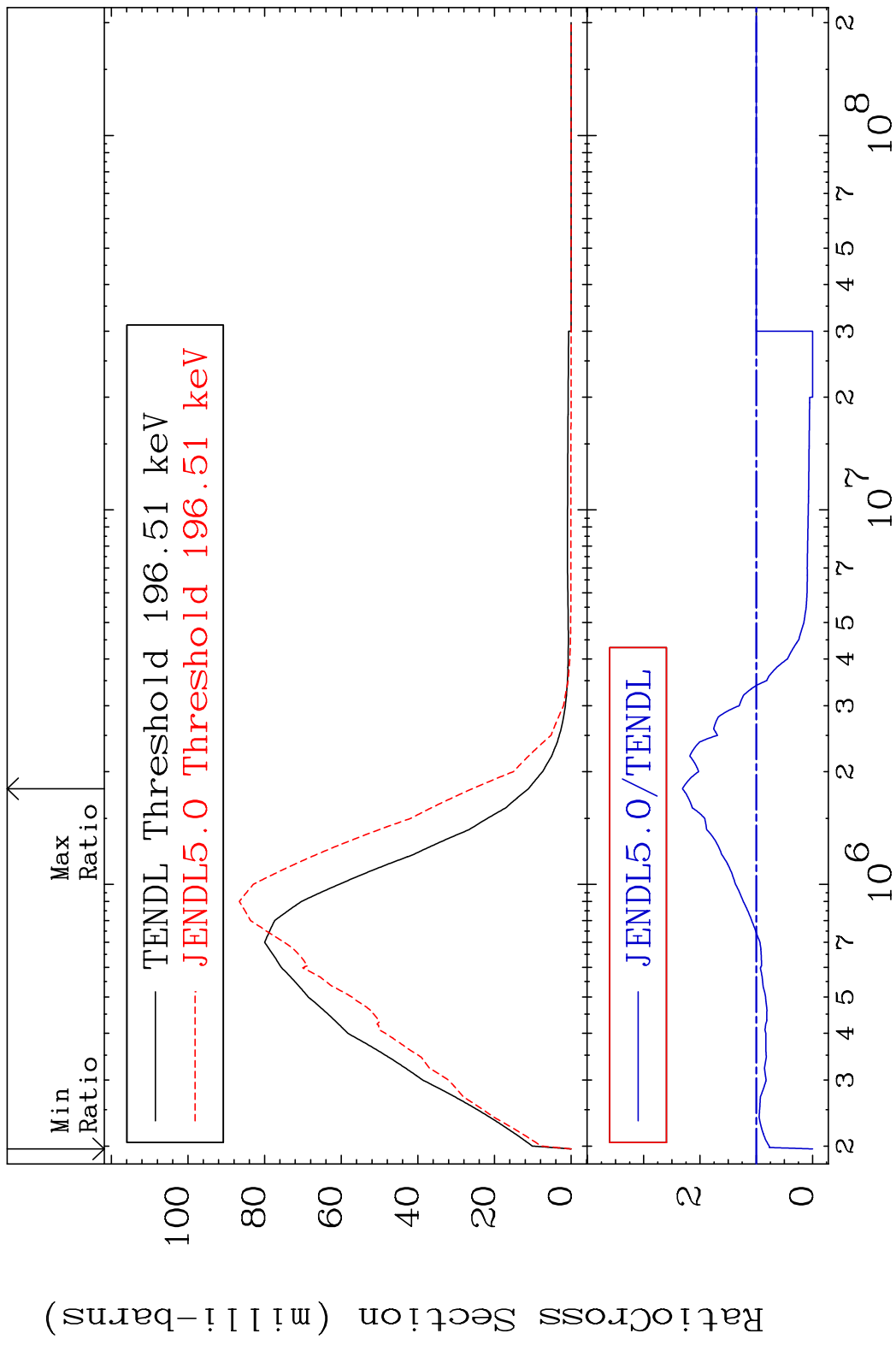
MAT 6322 MT= 55 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 49.90 %



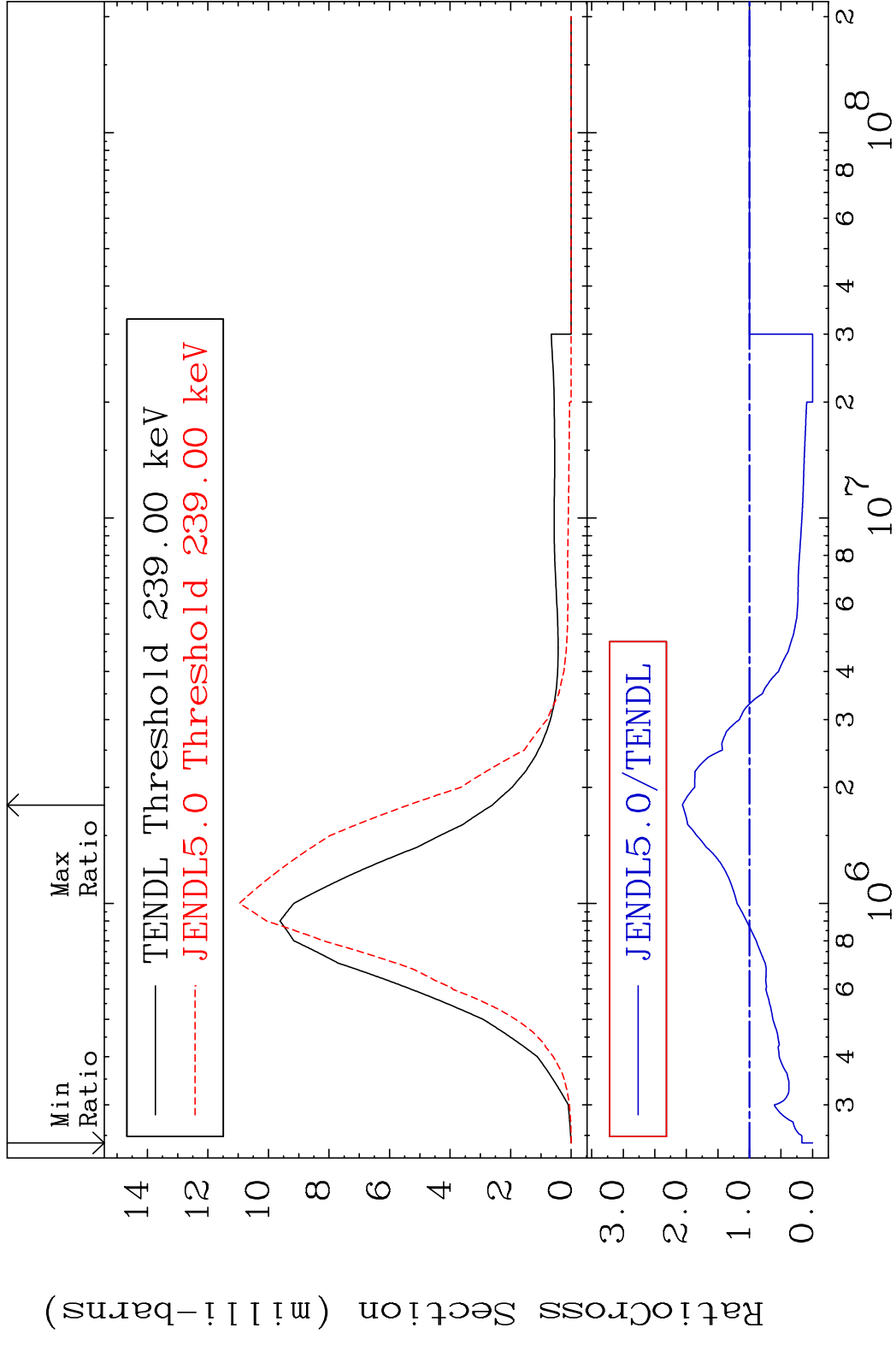
MAT 6322 MT= 56 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



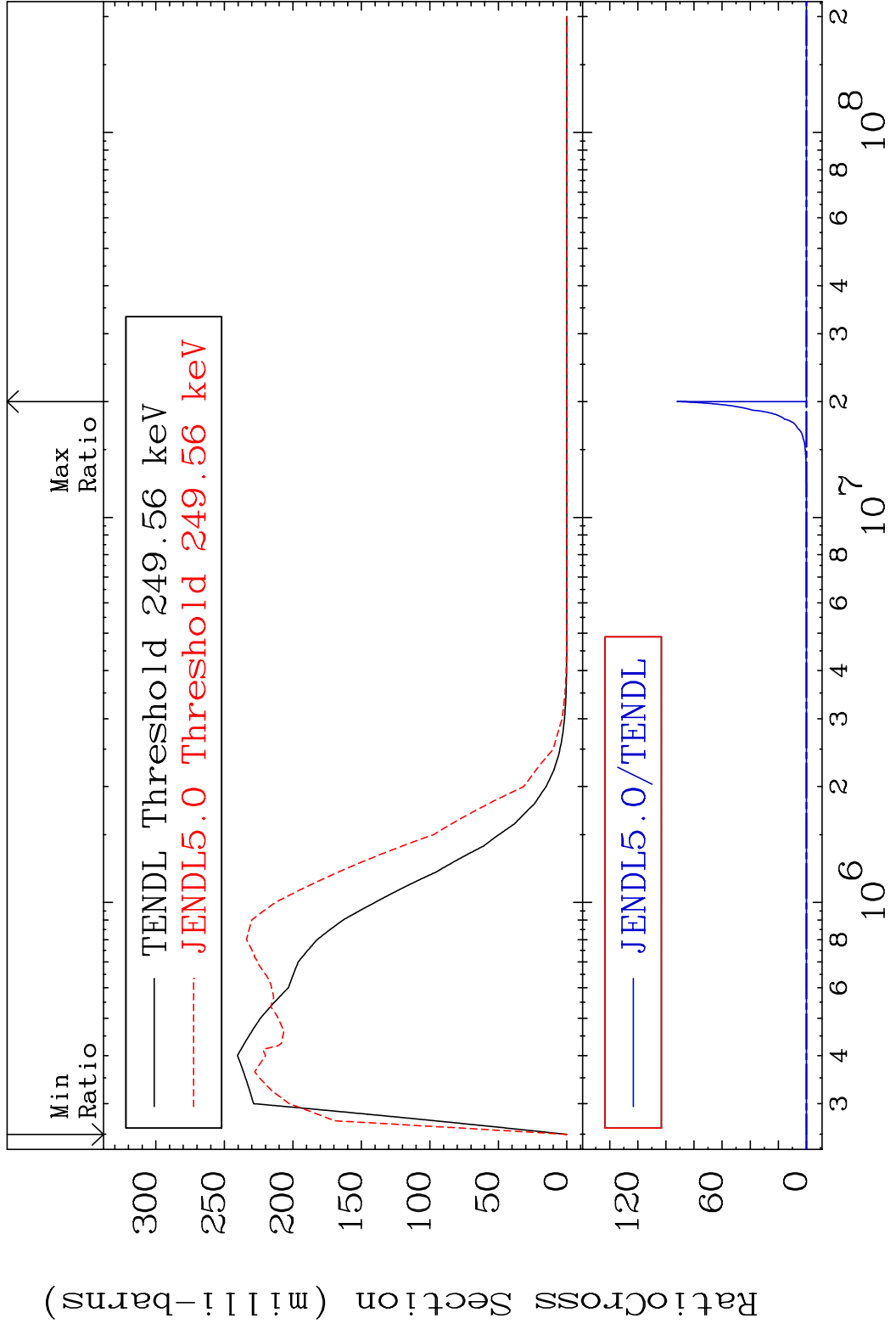
MAT 6322 MT= 57 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 131.4 %



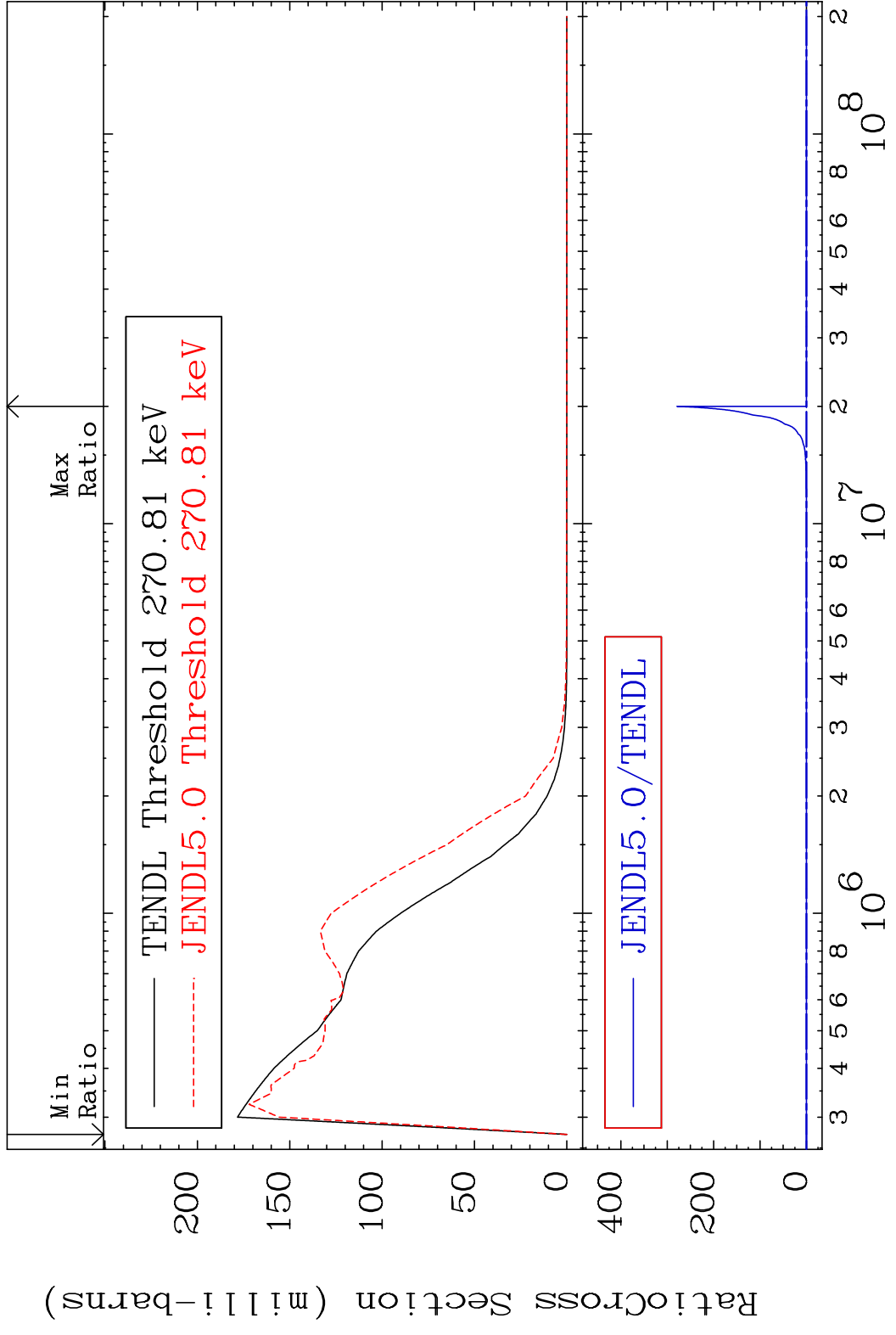
MAT 6322 MT= 58 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 106.4 %



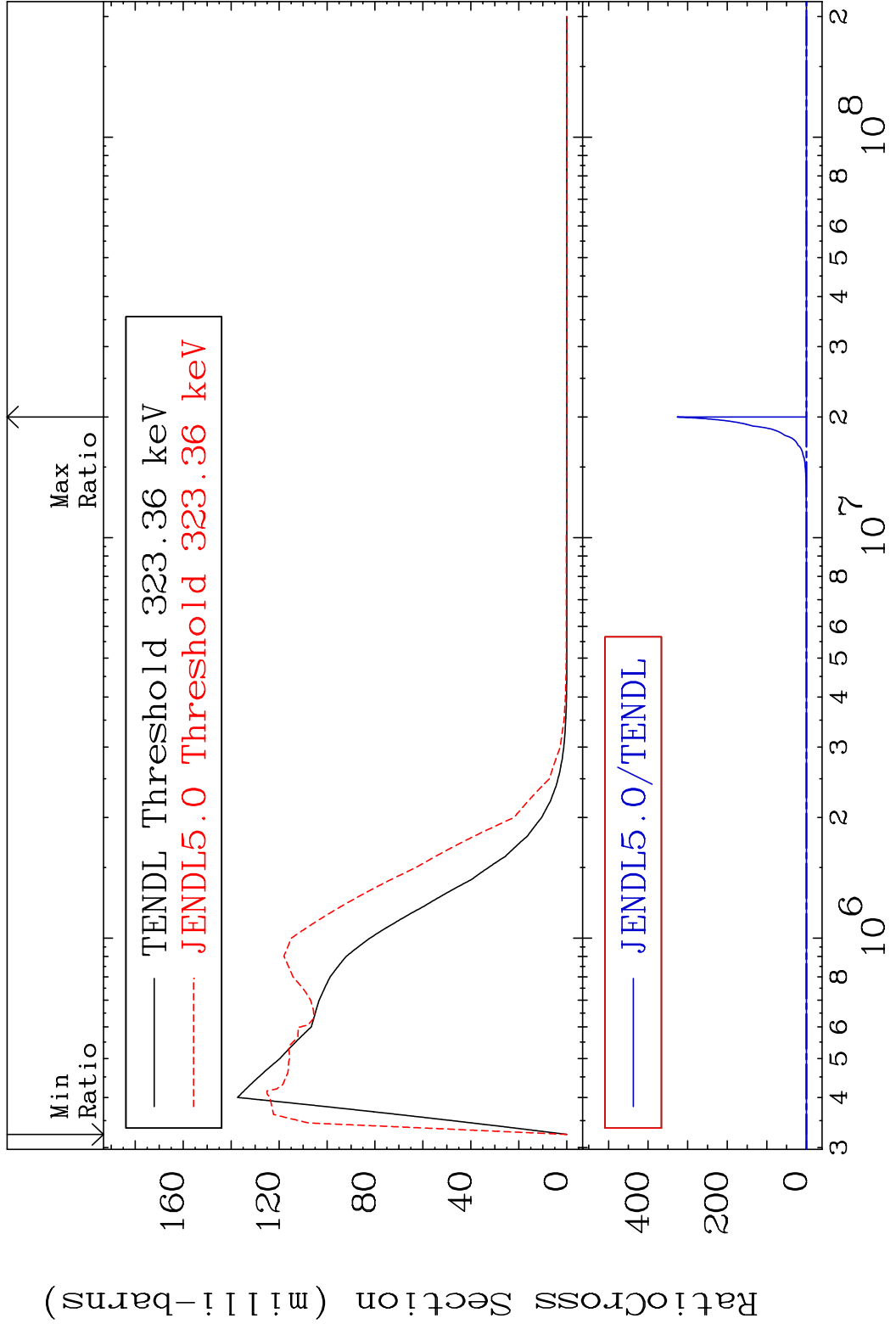
MAT 6322 MT= 59 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



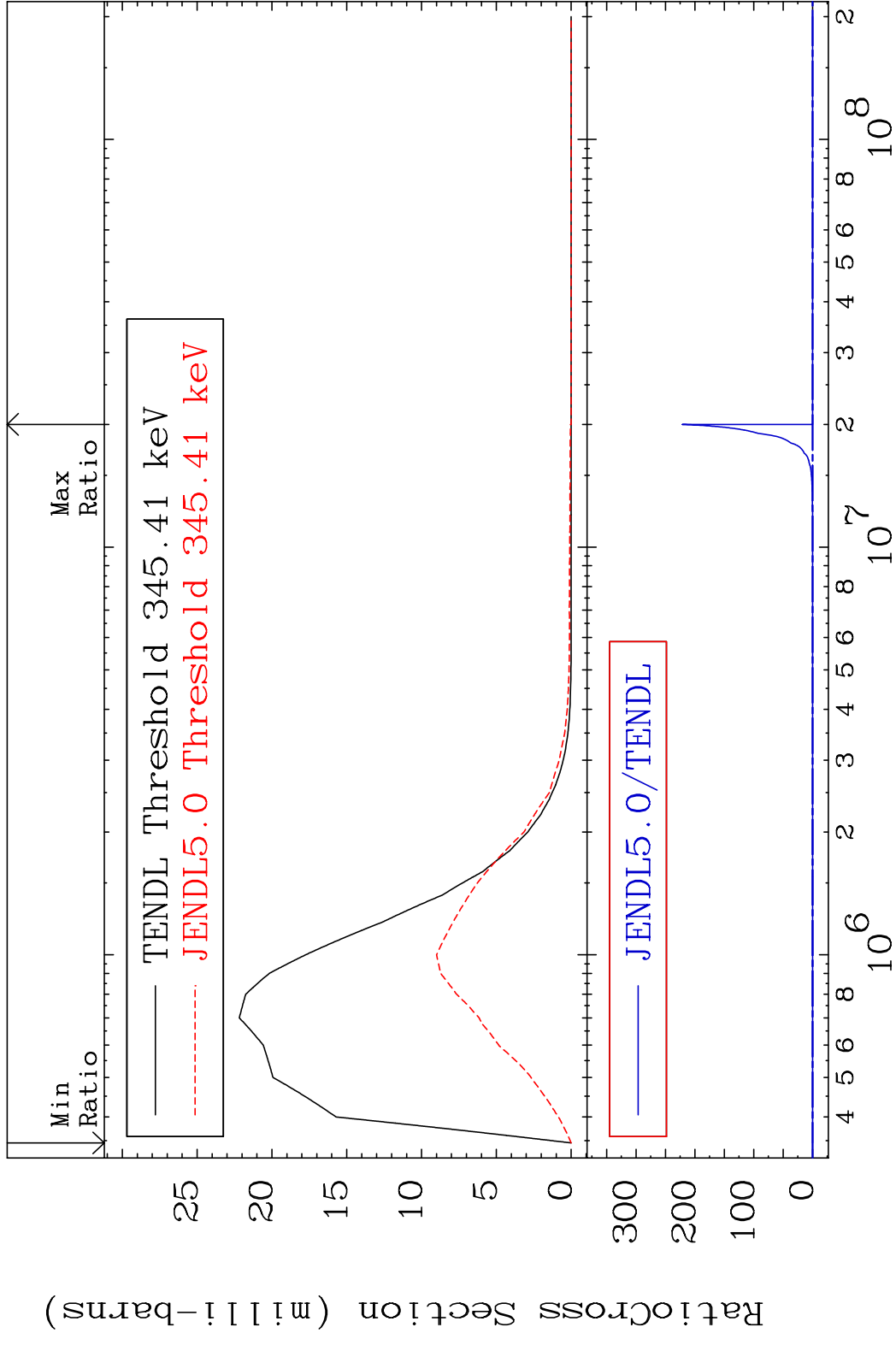
MAT 6322 MT= 60 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



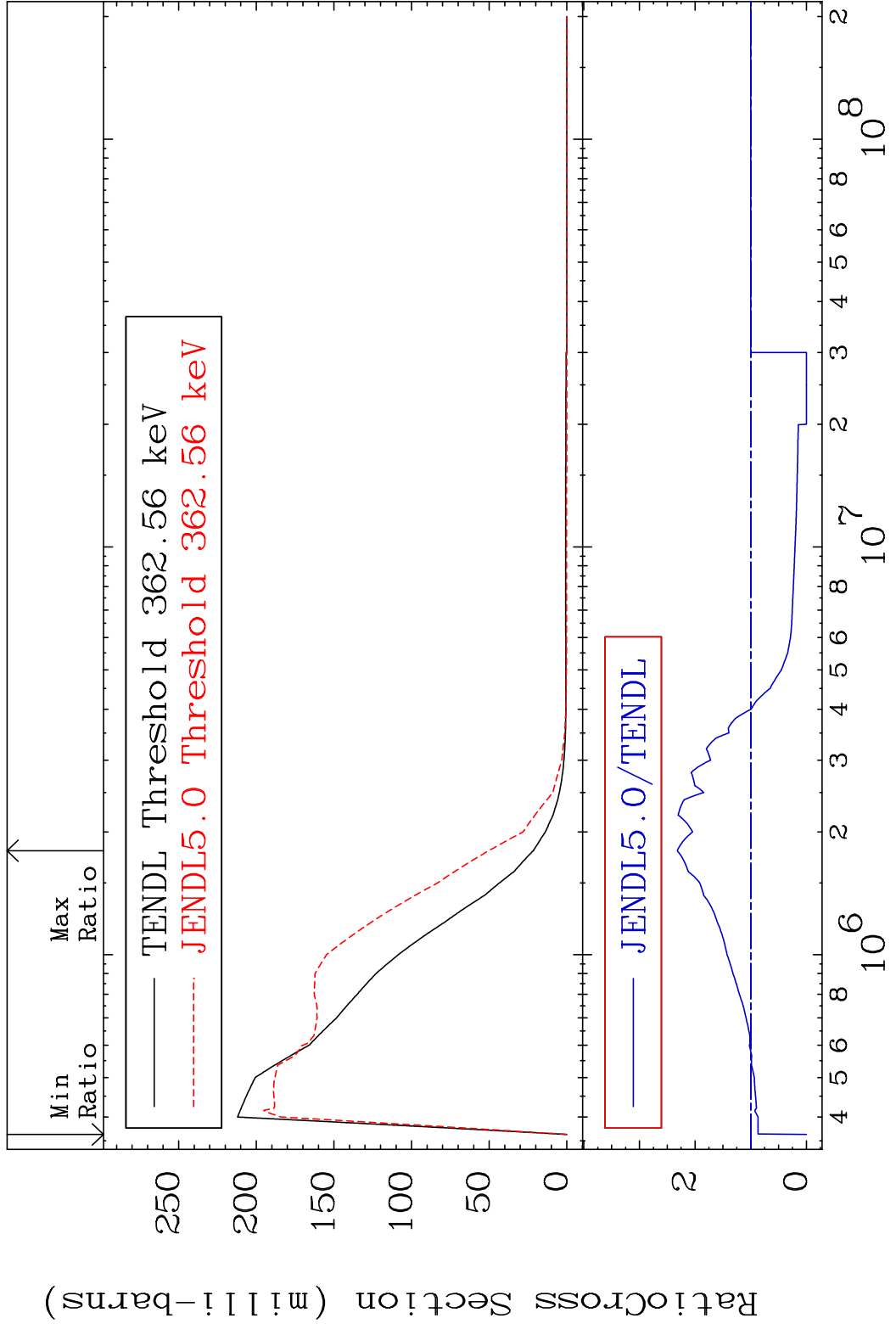
MAT 6322 MT= 61 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



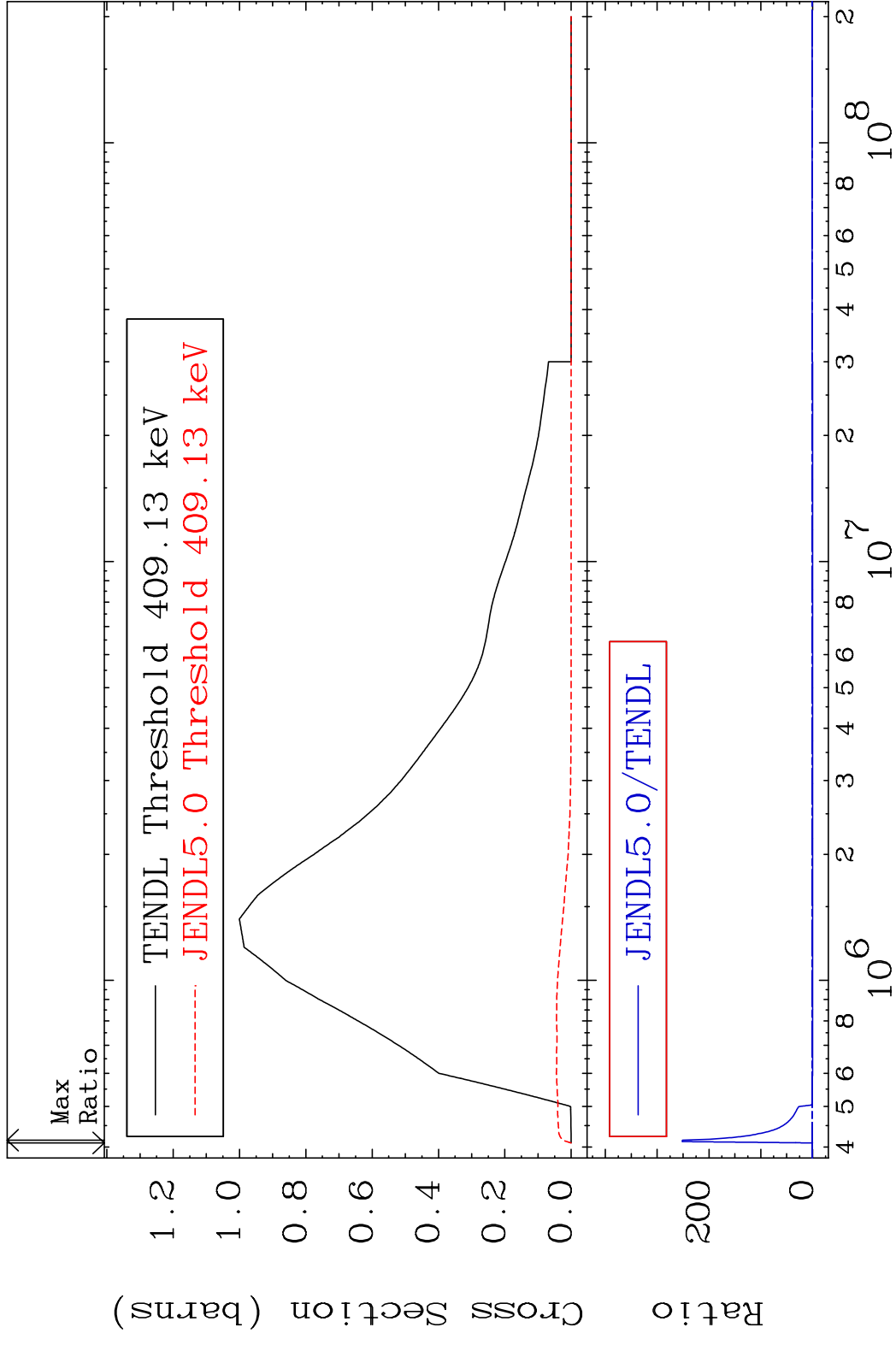
MAT 6322 MT= 62 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



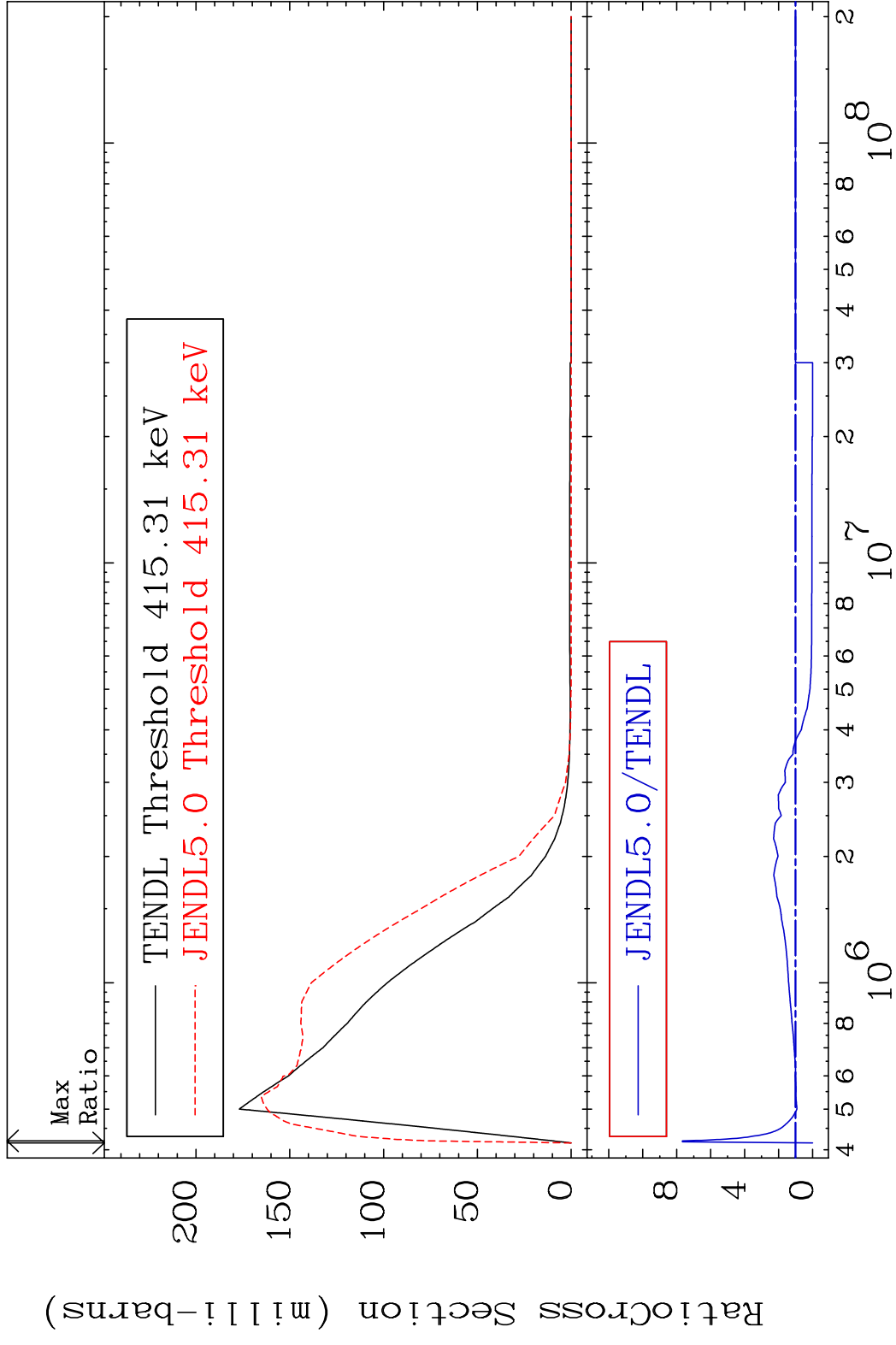
MAT 6322 MT= 63 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 132.2 %



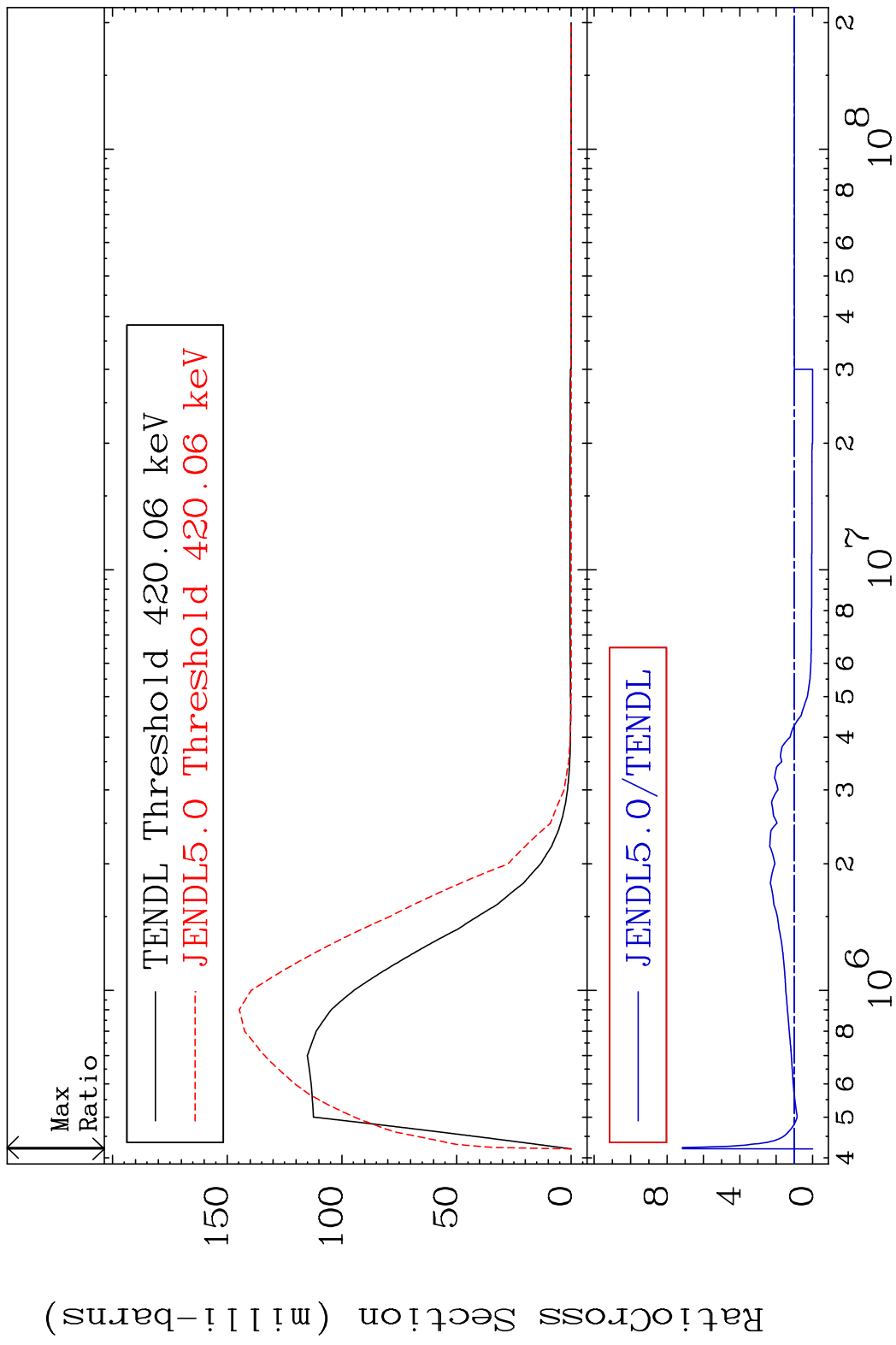
MAT 6322 MT= 64 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



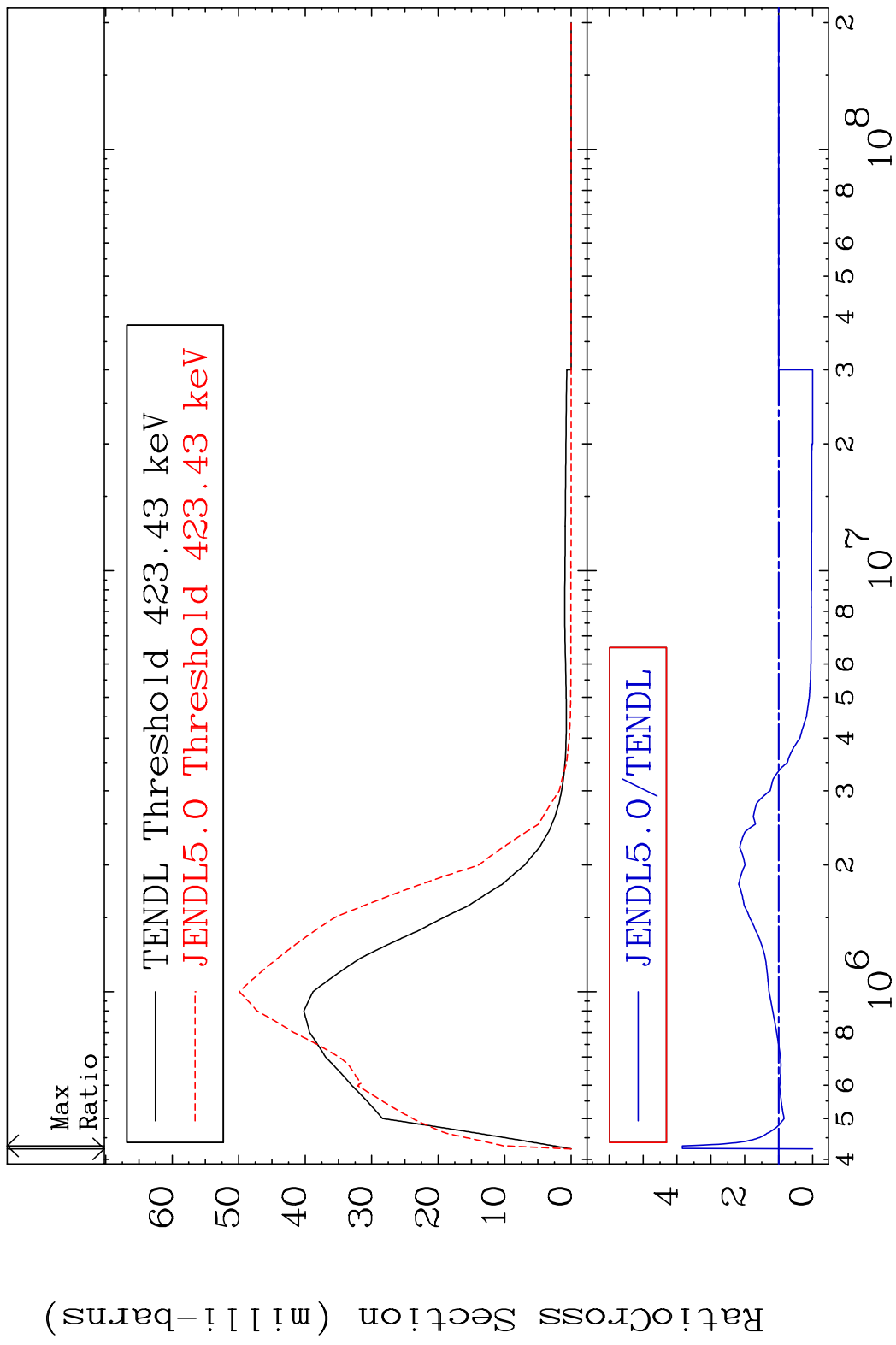
MAT 6322 MT= 65 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 666.8 %



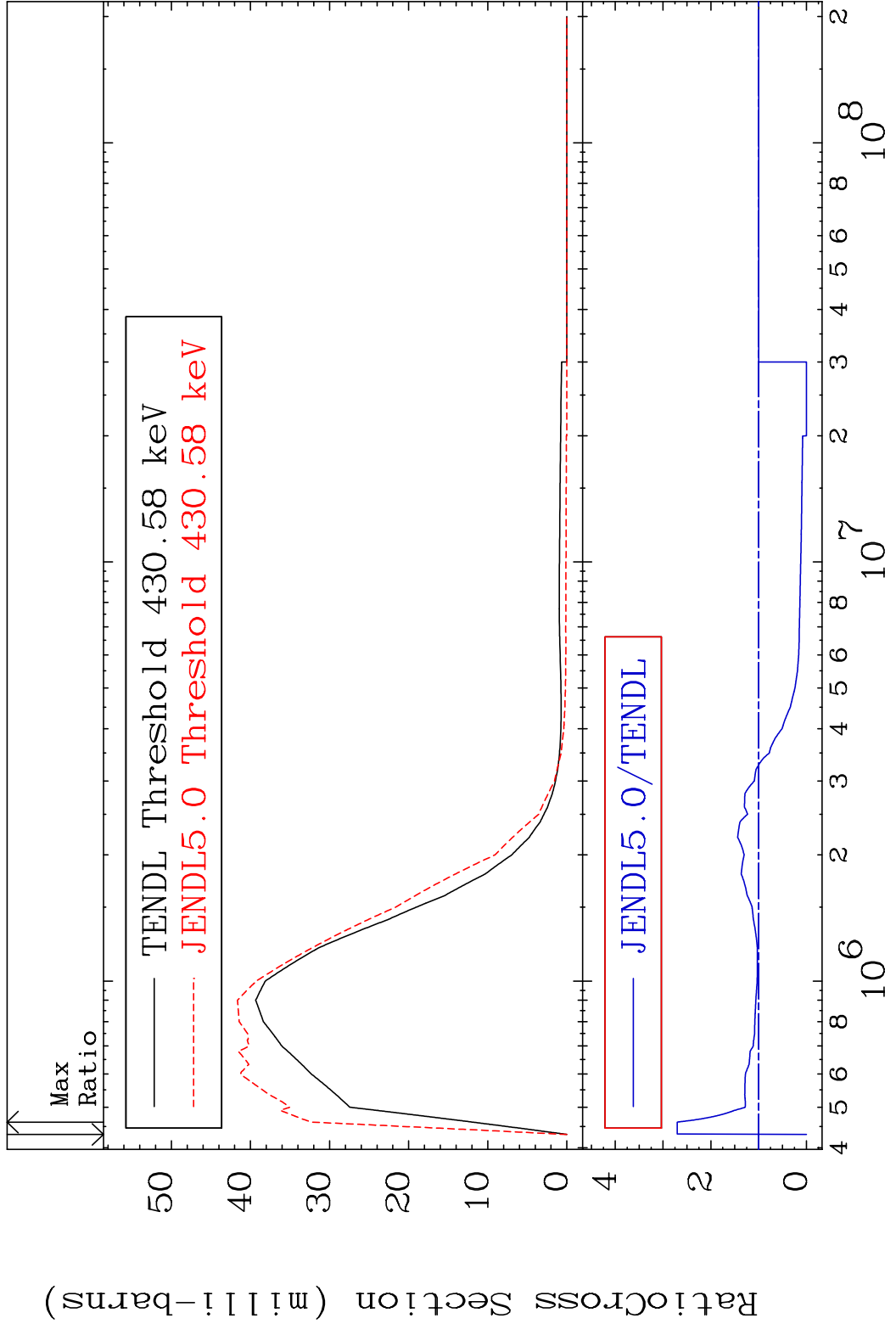
MAT 6322 MT= 66 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 615.6 %



MAT 6322 MT= 67 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 284.1 %

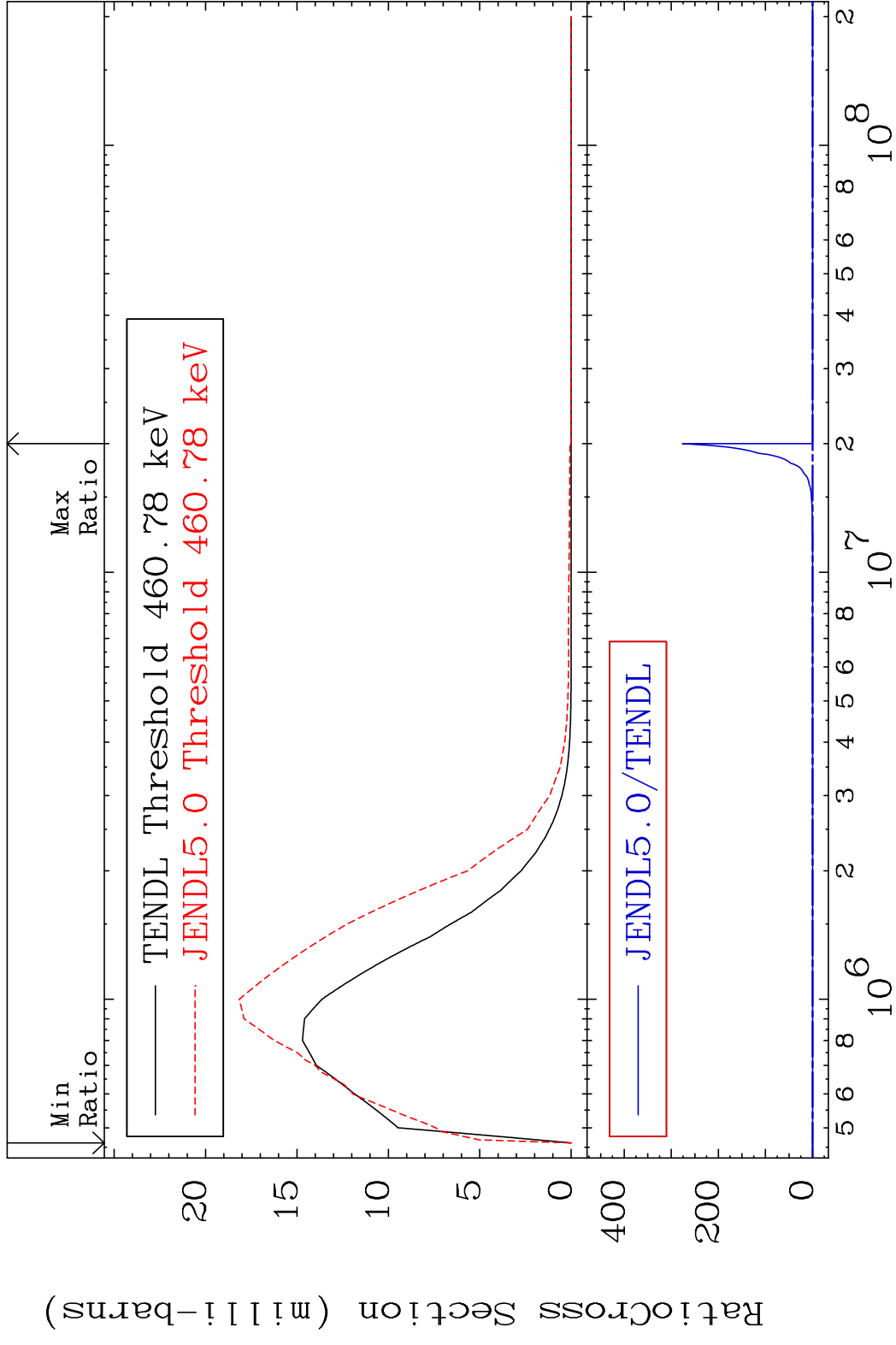


MAT 6322 MT= 68 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 170.5 %

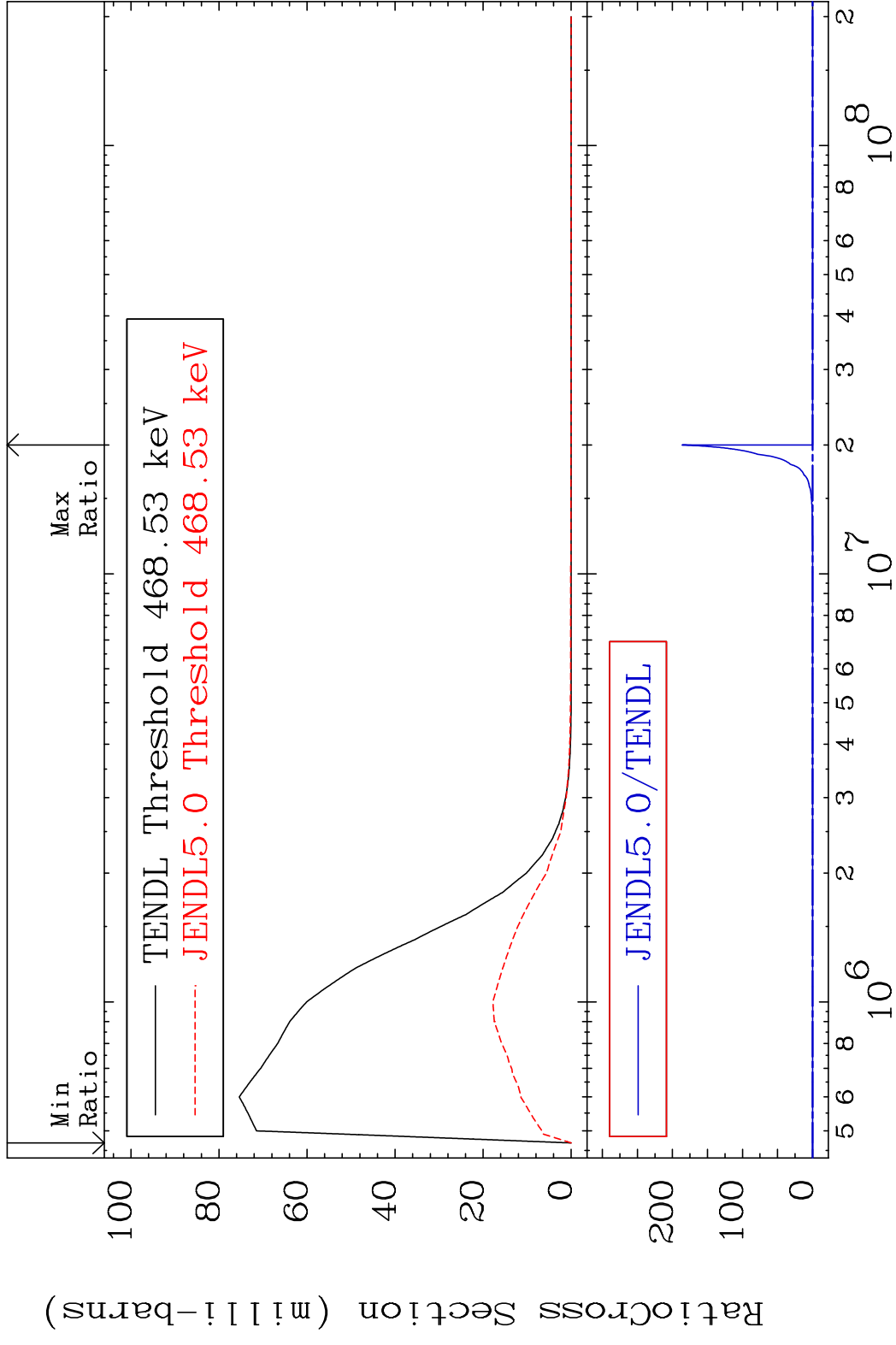


30 63-Eu-150

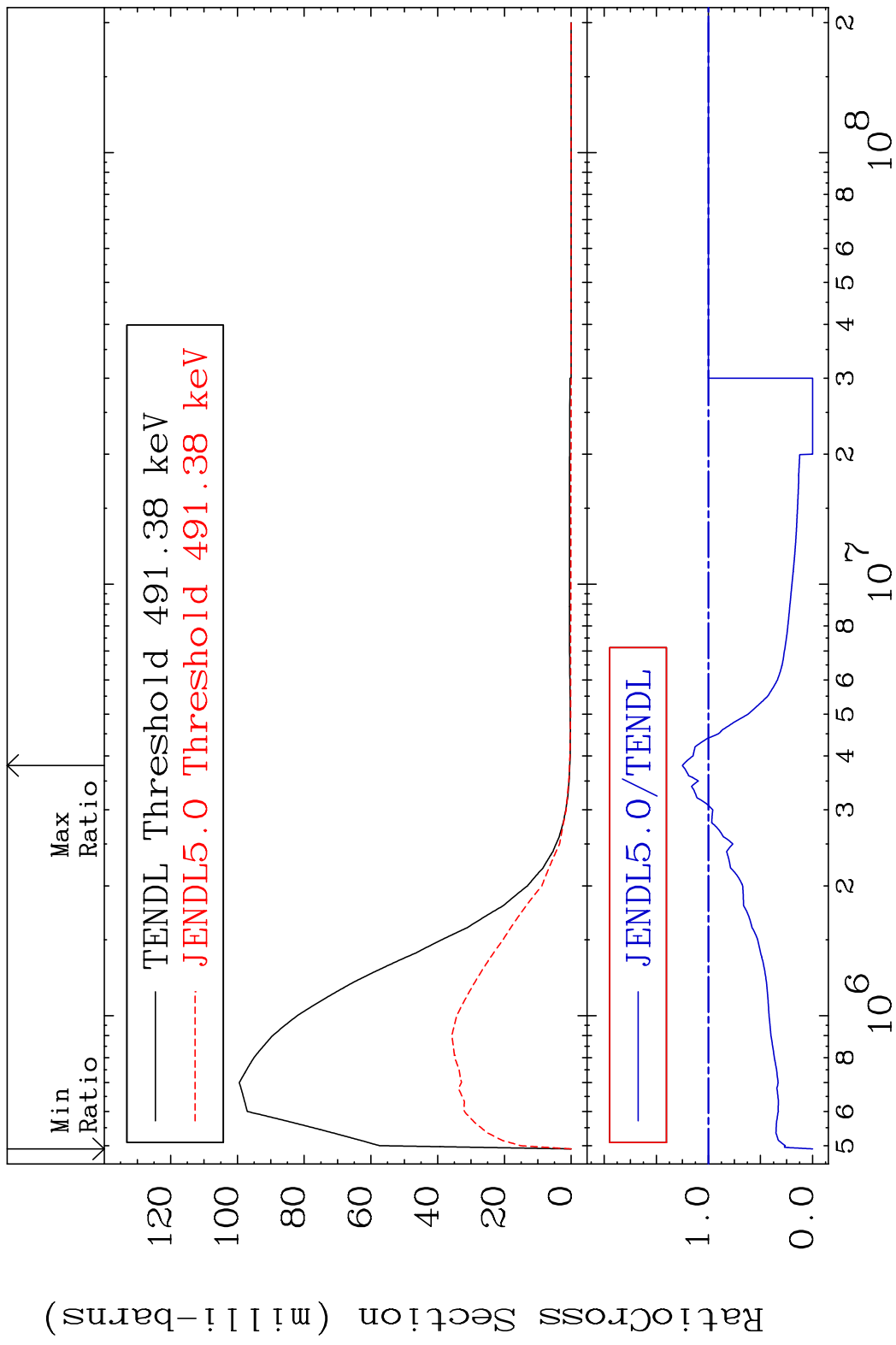
MAT 6322 MT= 69 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



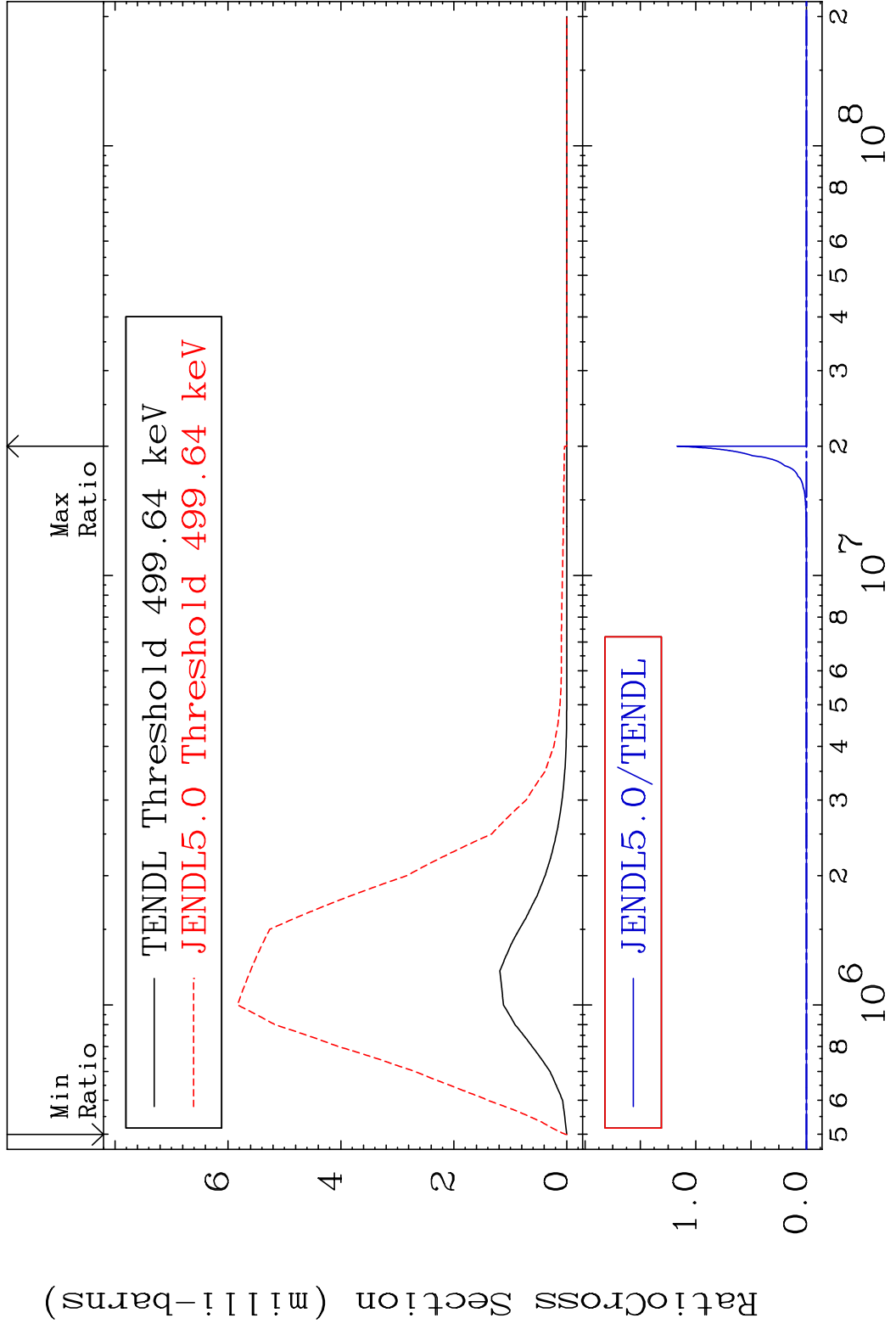
MAT 6322 MT= 70 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



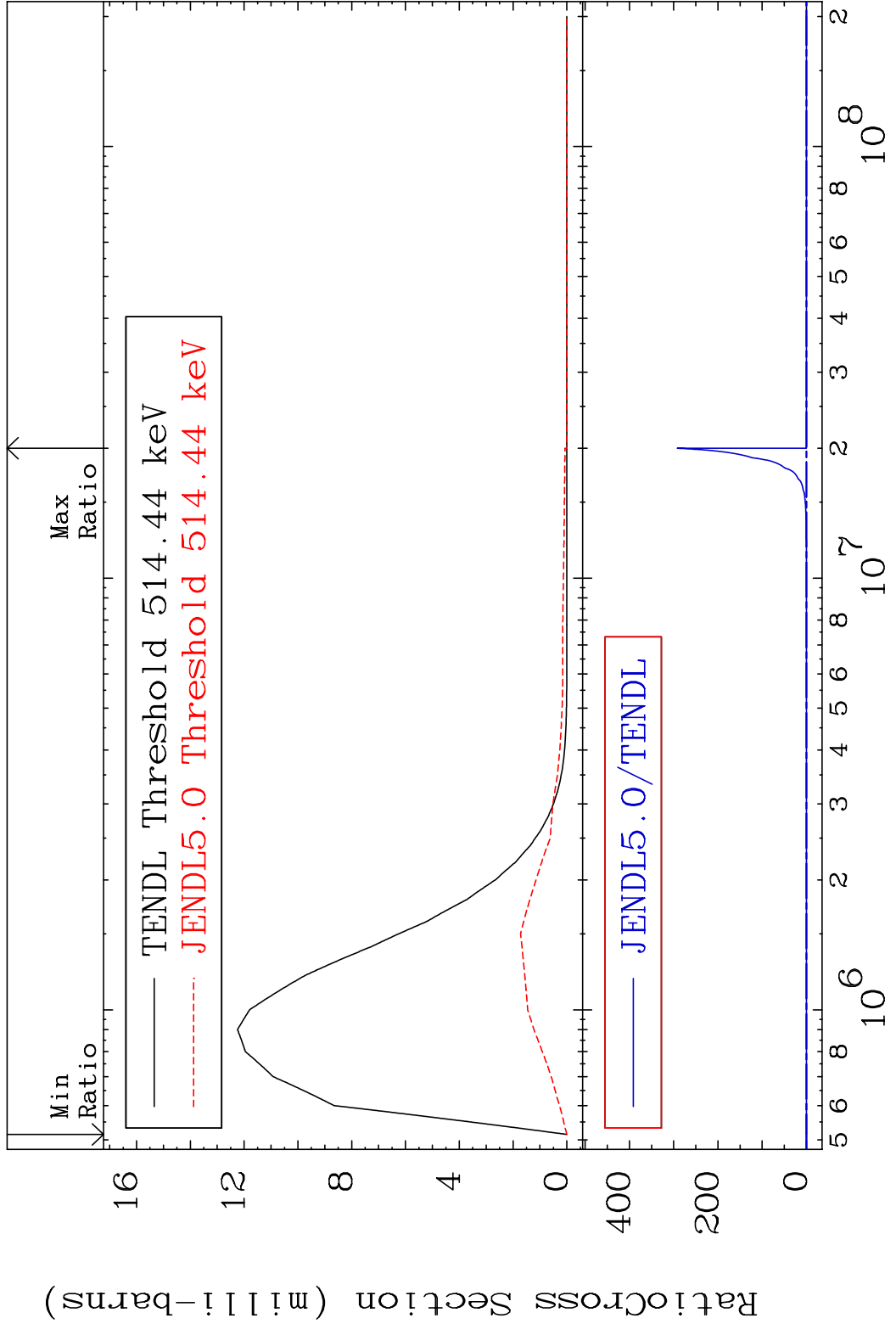
MAT 6322 MT= 71 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 25.01 %



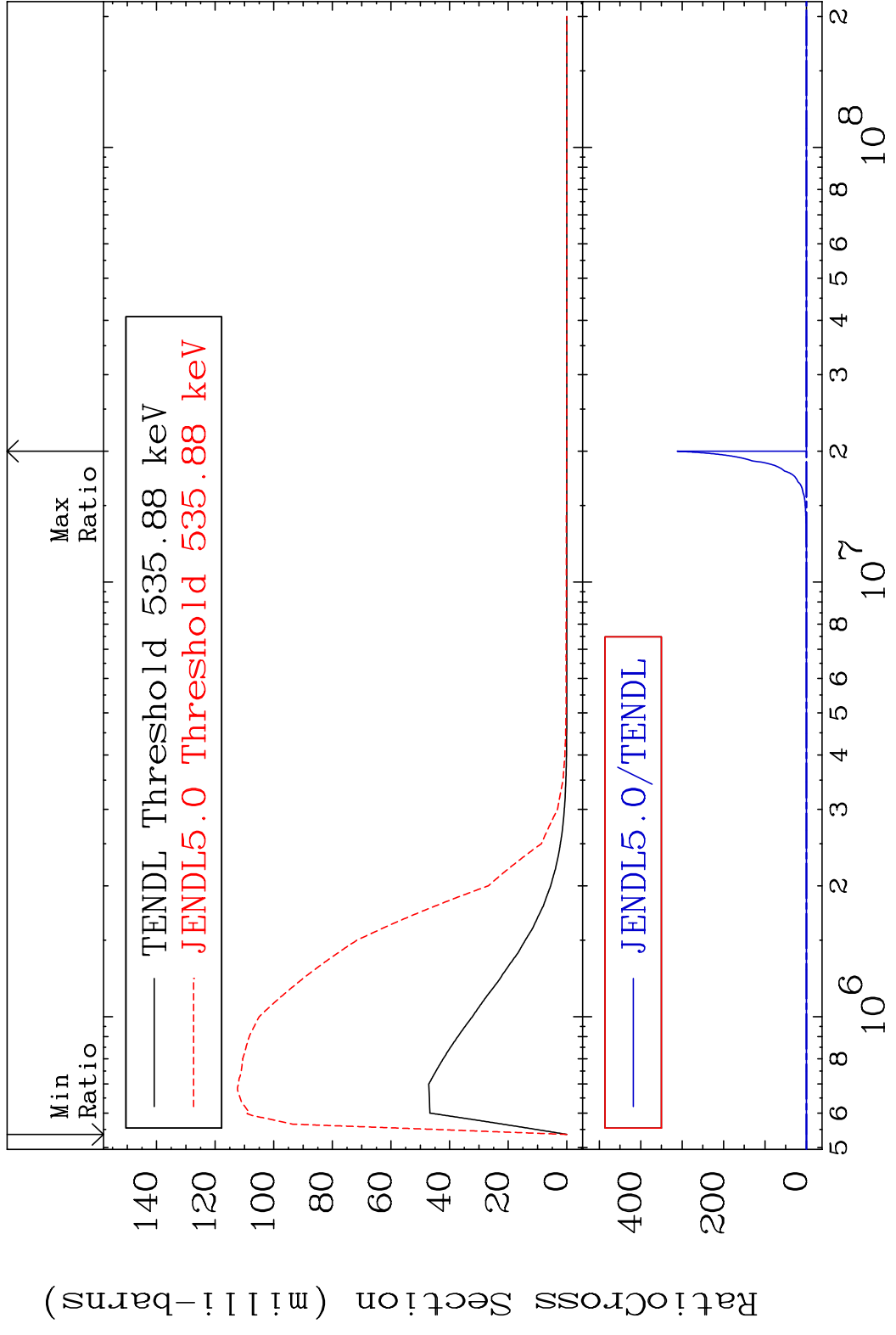
MAT 6322 MT= 72 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



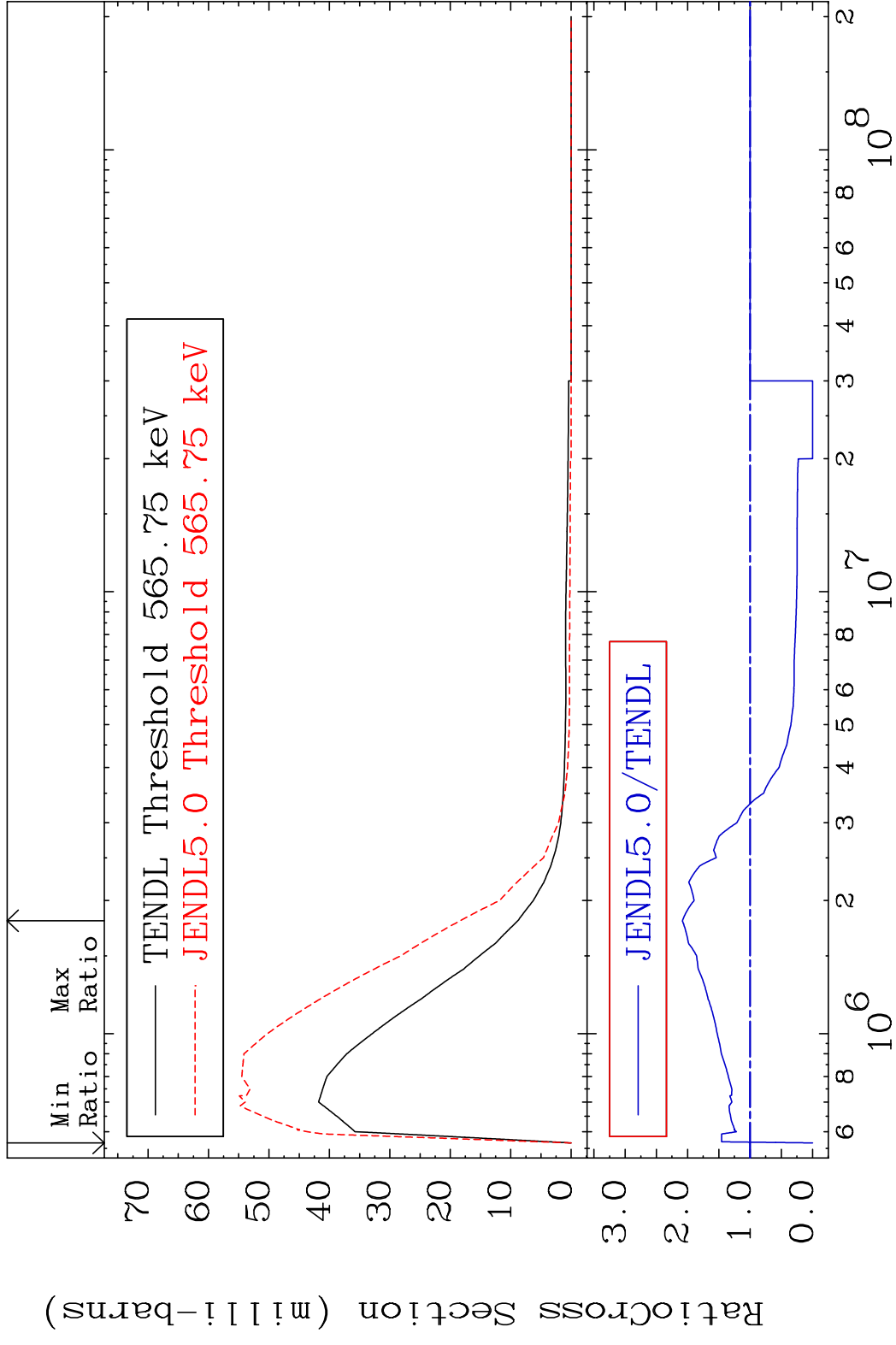
MAT 6322 MT= 73 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



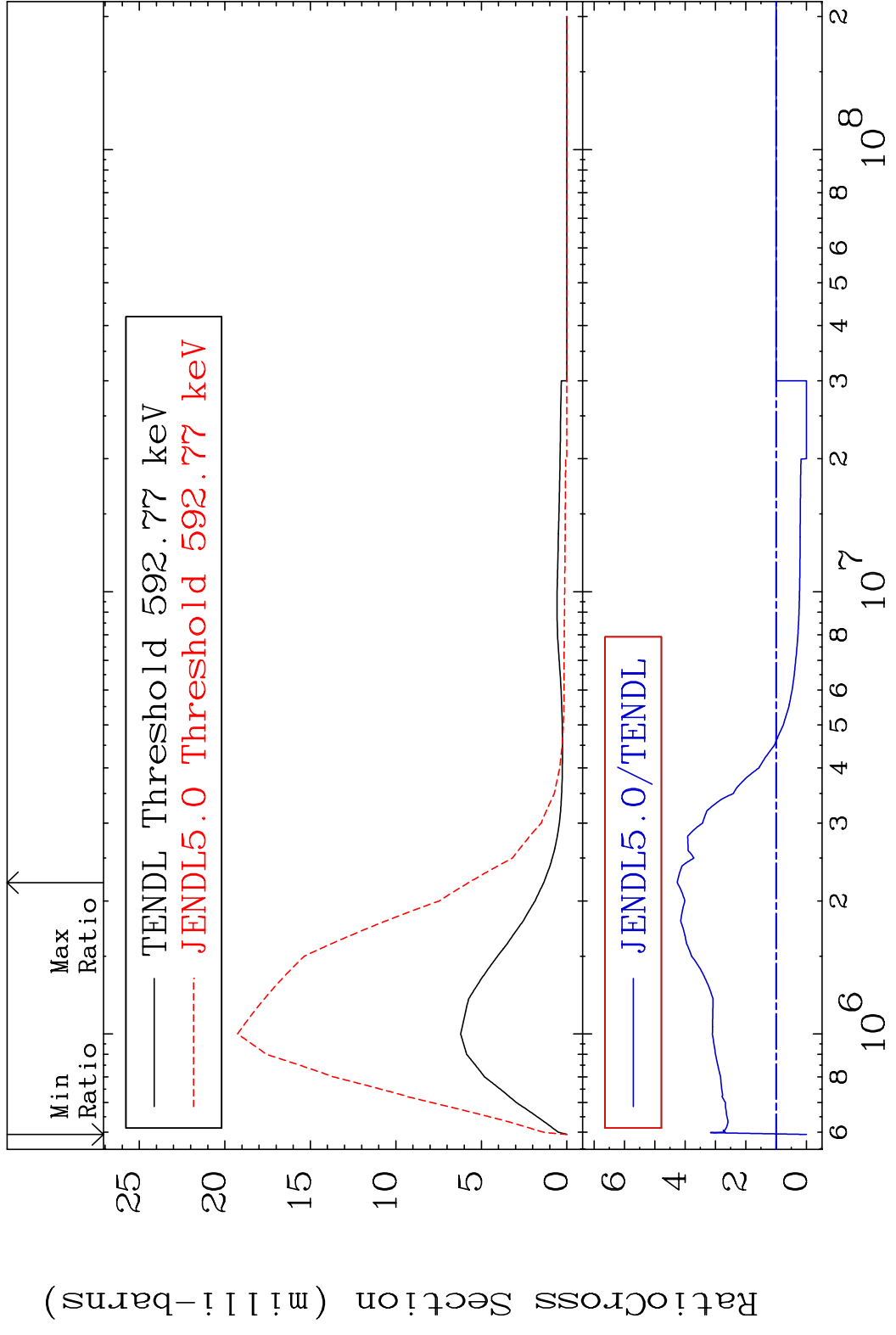
MAT 6322 MT= 74 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



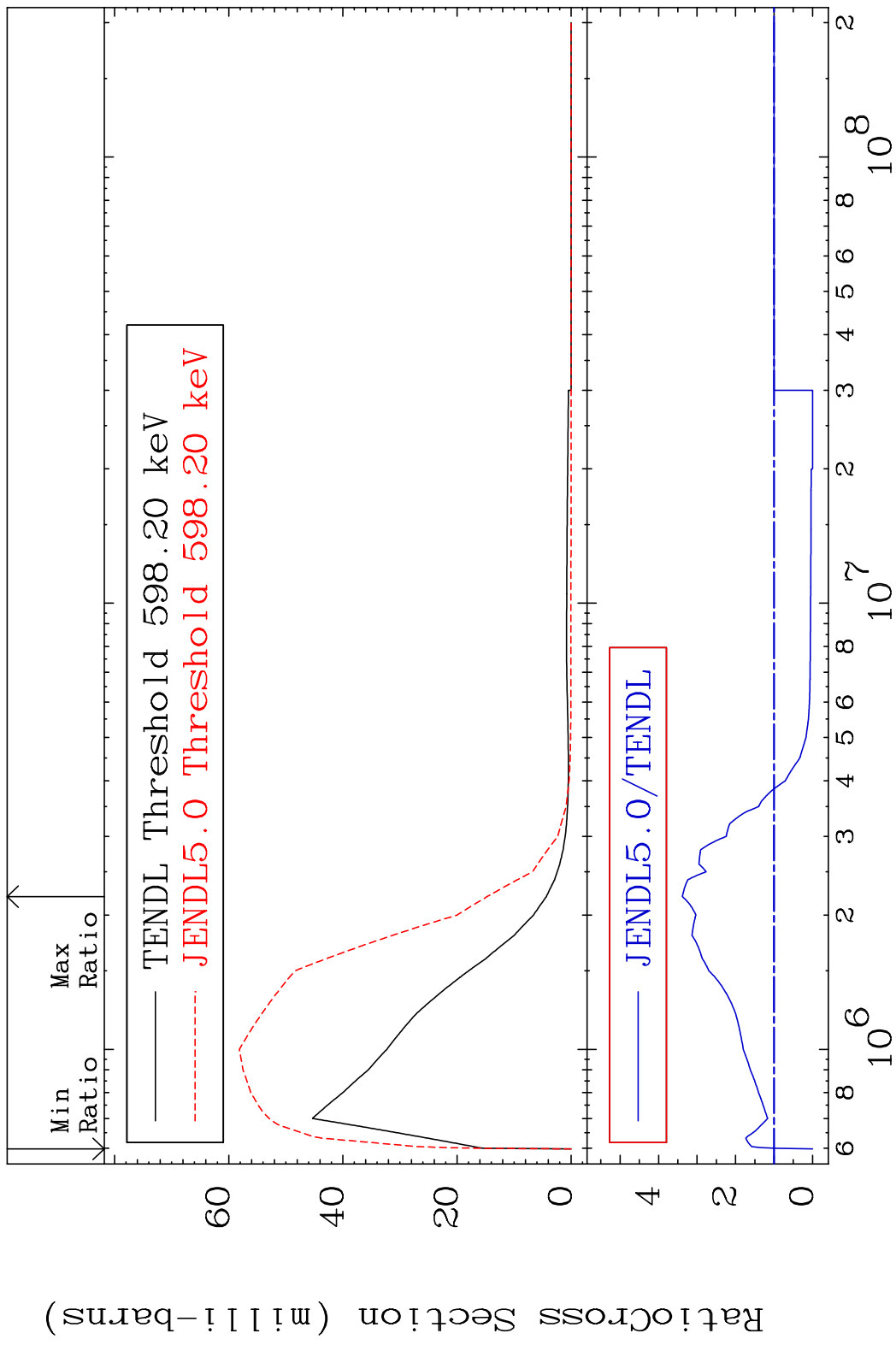
MAT 6322 MT= 75 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 108.4 %



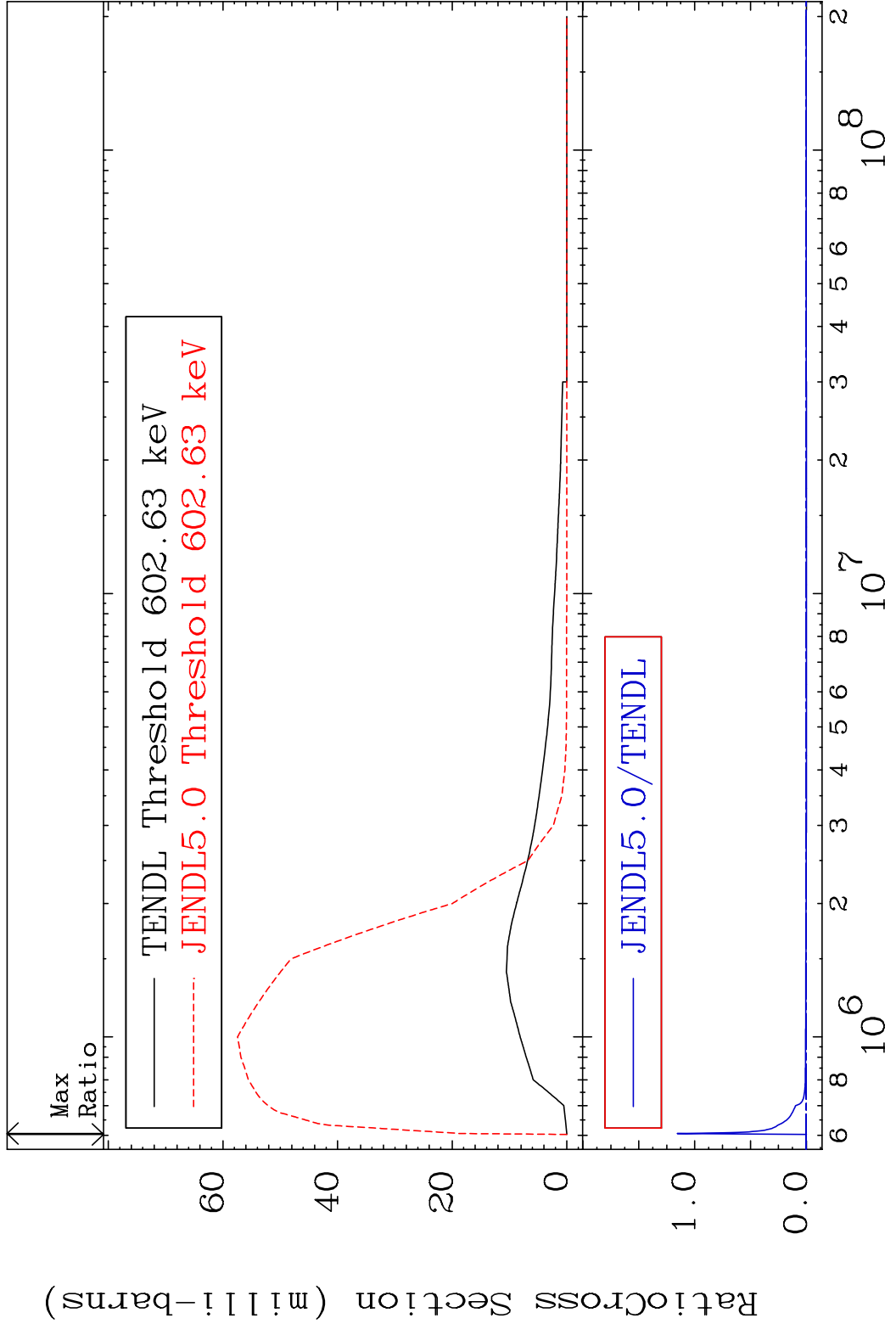
MAT 6322 MT= 76 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 326.3 %



MAT 6322 MT= 77 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 238.3 %

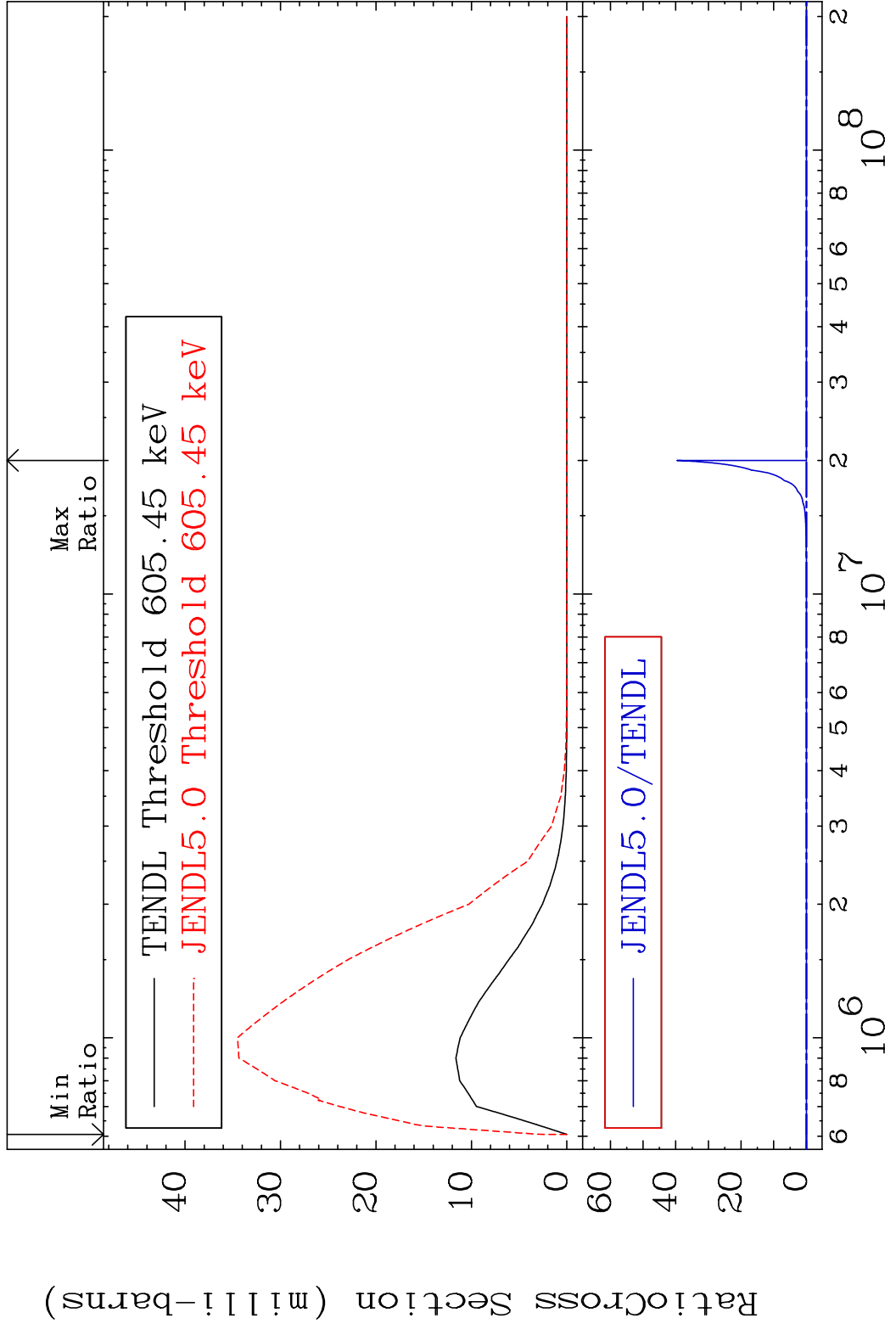


MAT 6322 MT= 78 (n,n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



40 63-Eu-150

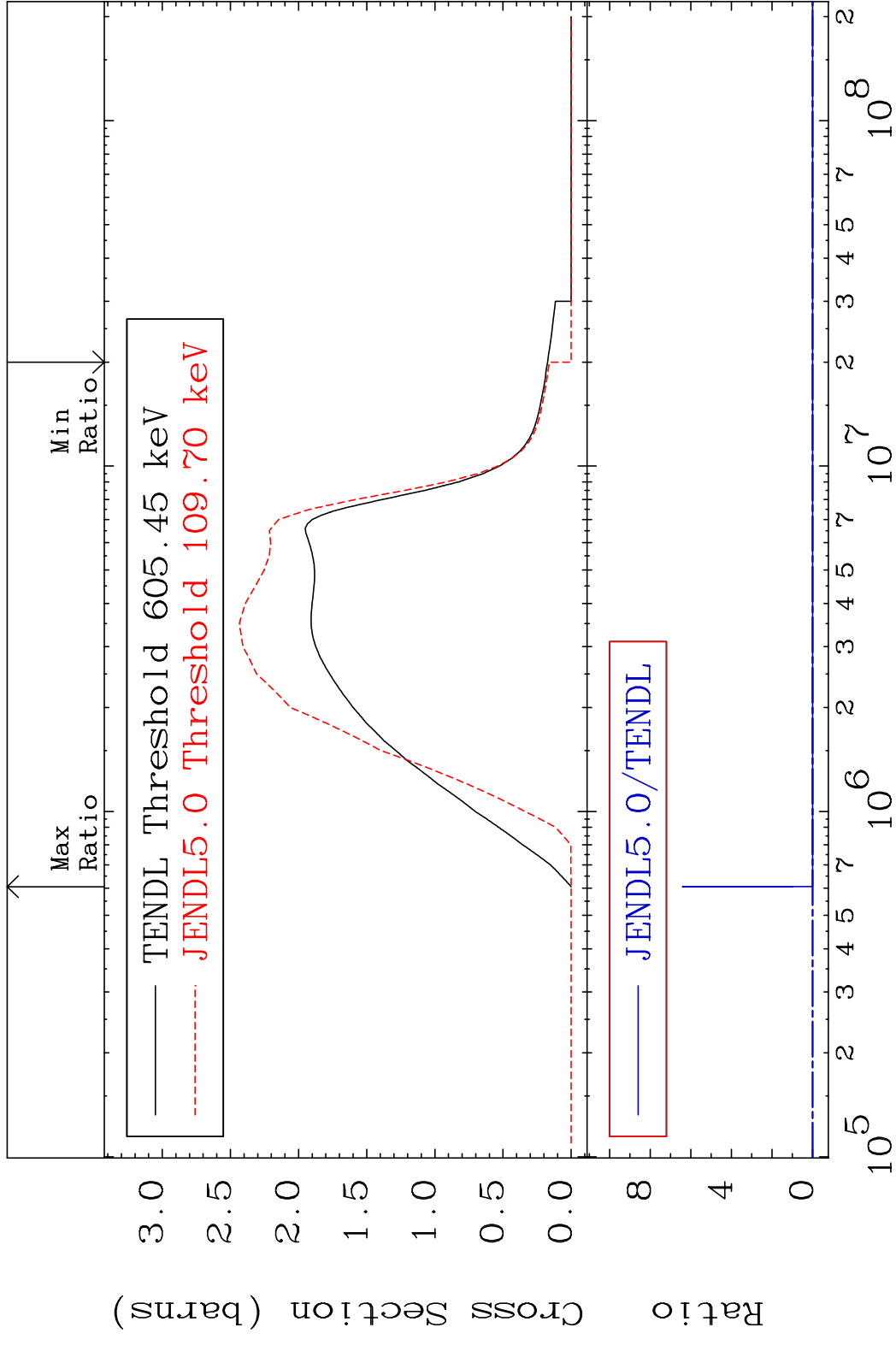
MAT 6322 MT= 79 (n, n') Level 63-Eu-150
 Cross Section -100.0 To 9999. %



MAT 6322

(n, n') Continuum 63-Eu-150

Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

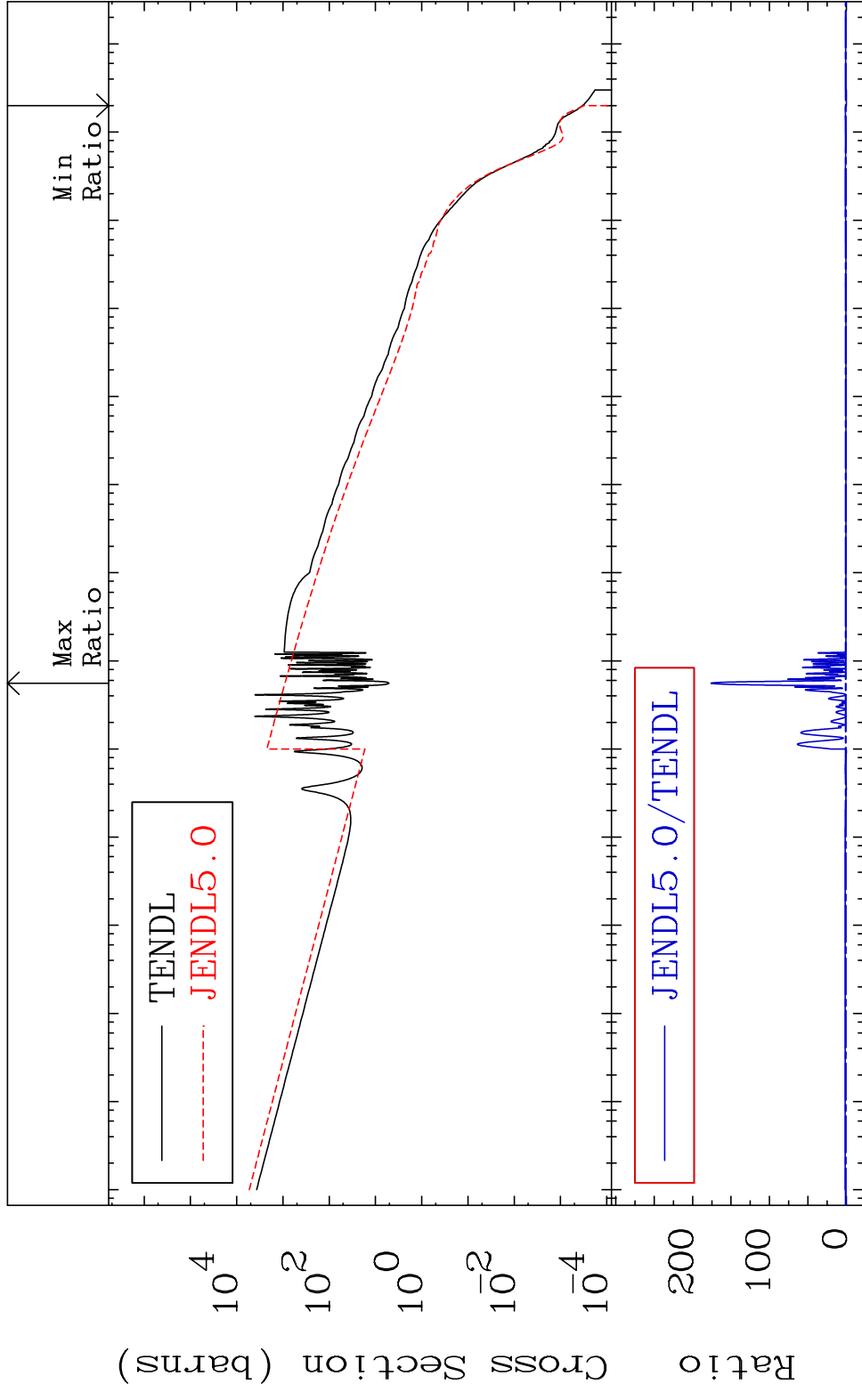
63-Eu-150

MAT 6322

63-Eu-150

(n, γ)

Cross Section -100.0 To 9999. %

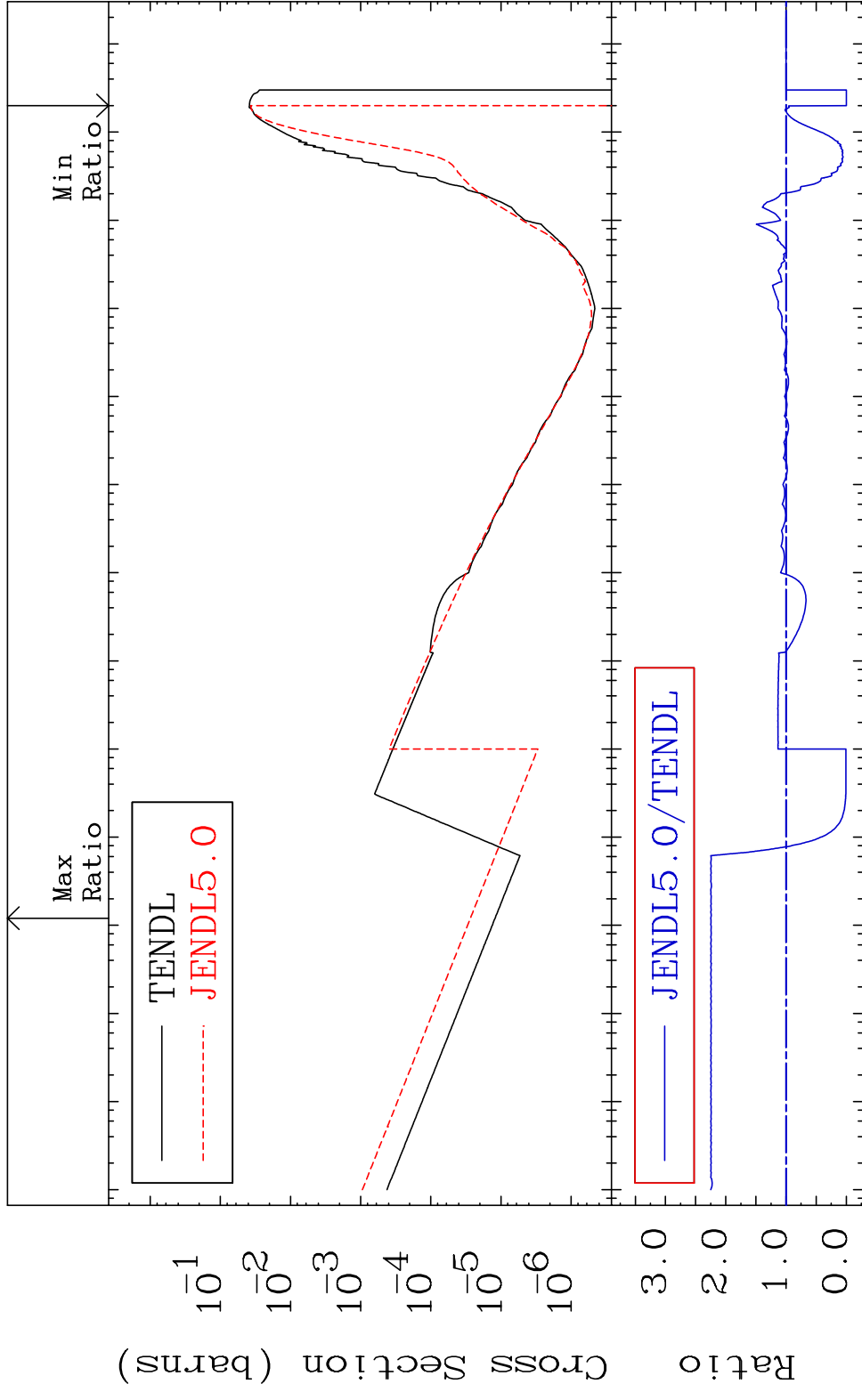


43

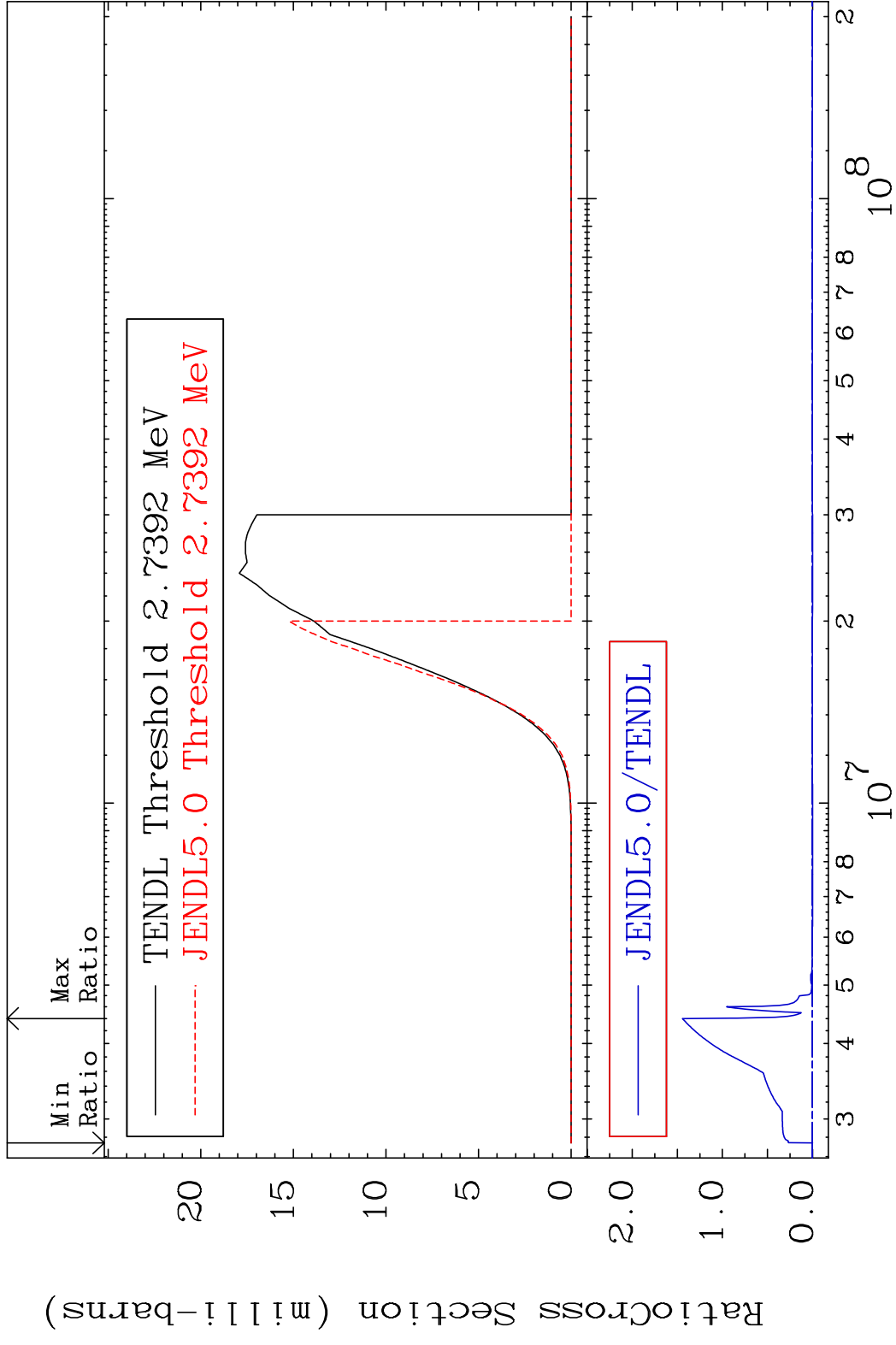
Incident Energy (eV)

63-Eu-150

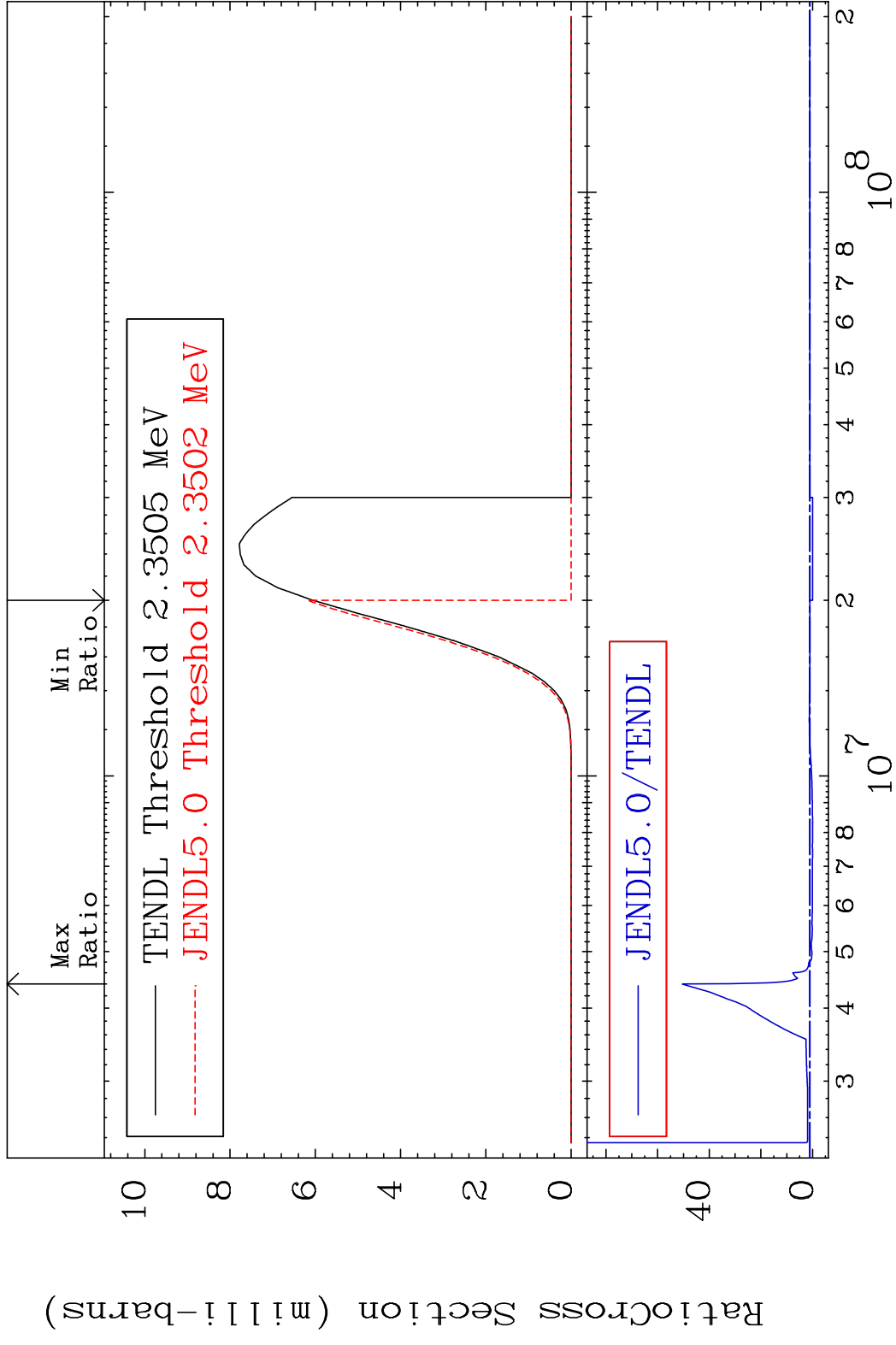
MAT 6322 (n,p) 63-Eu-150
 Cross Section -100.0 To 125.0 %



MAT 6322 (n,d) 63-Eu-150
 Cross Section -100.0 To 9999. %



MAT 6322 (n, t) 63-Eu-150
 Cross Section -100.0 To 4942. %

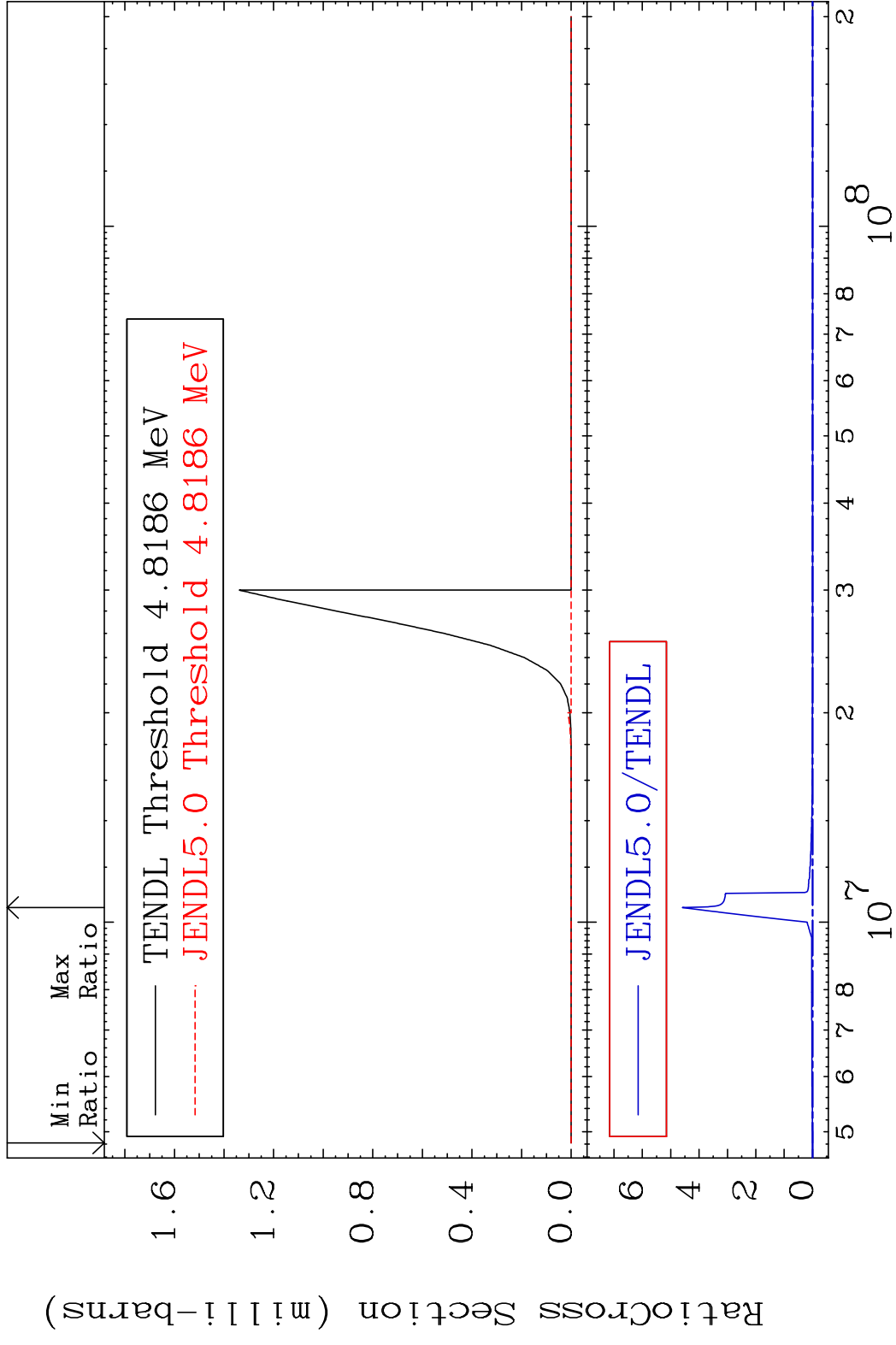


MAT 6322

(n, He-3)

63-Eu-150

Cross Section -100.0 To 9999. %

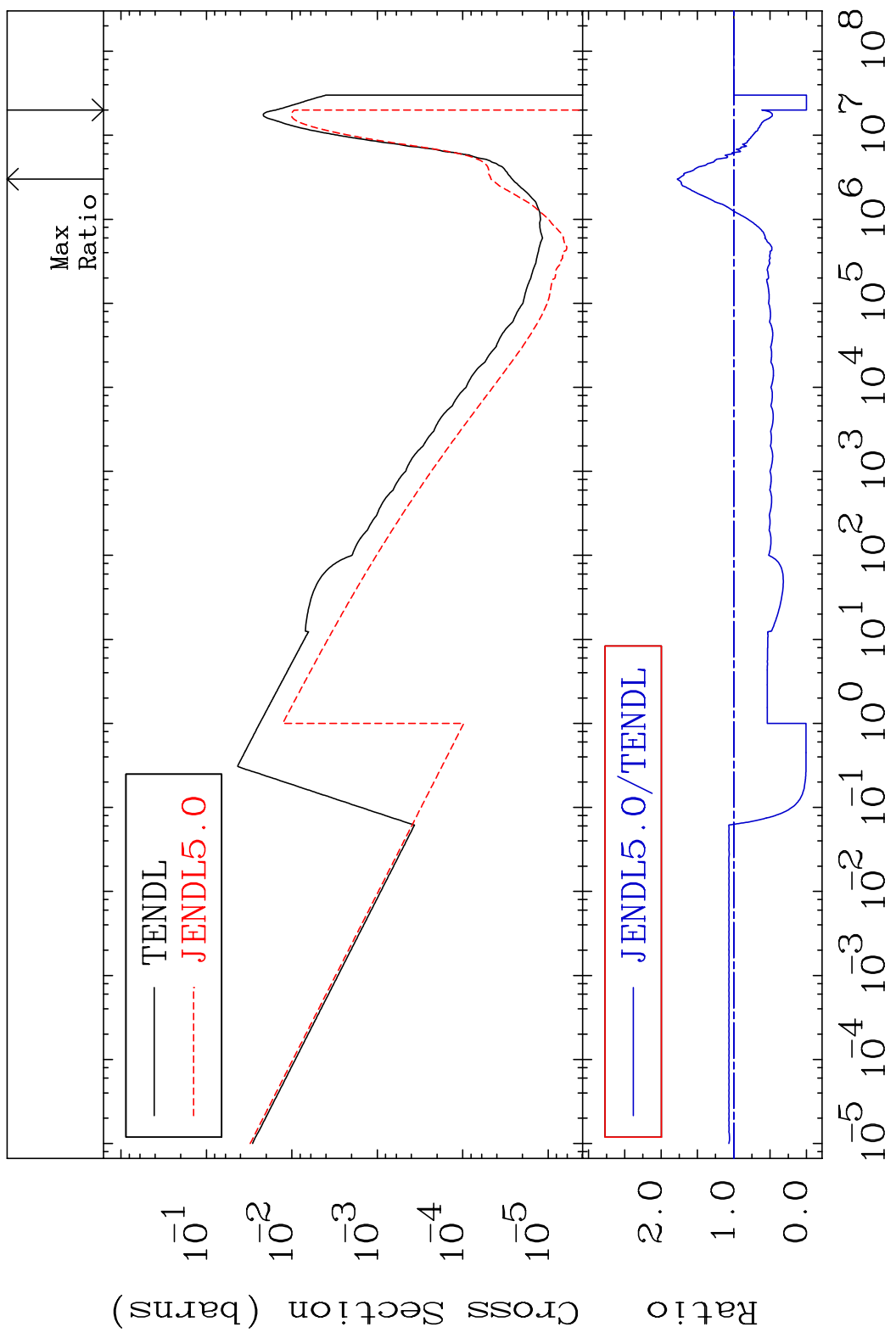


MAT 6322

(n, α)

63-Eu-150

Cross Section -100.0 To 77.84 %



48

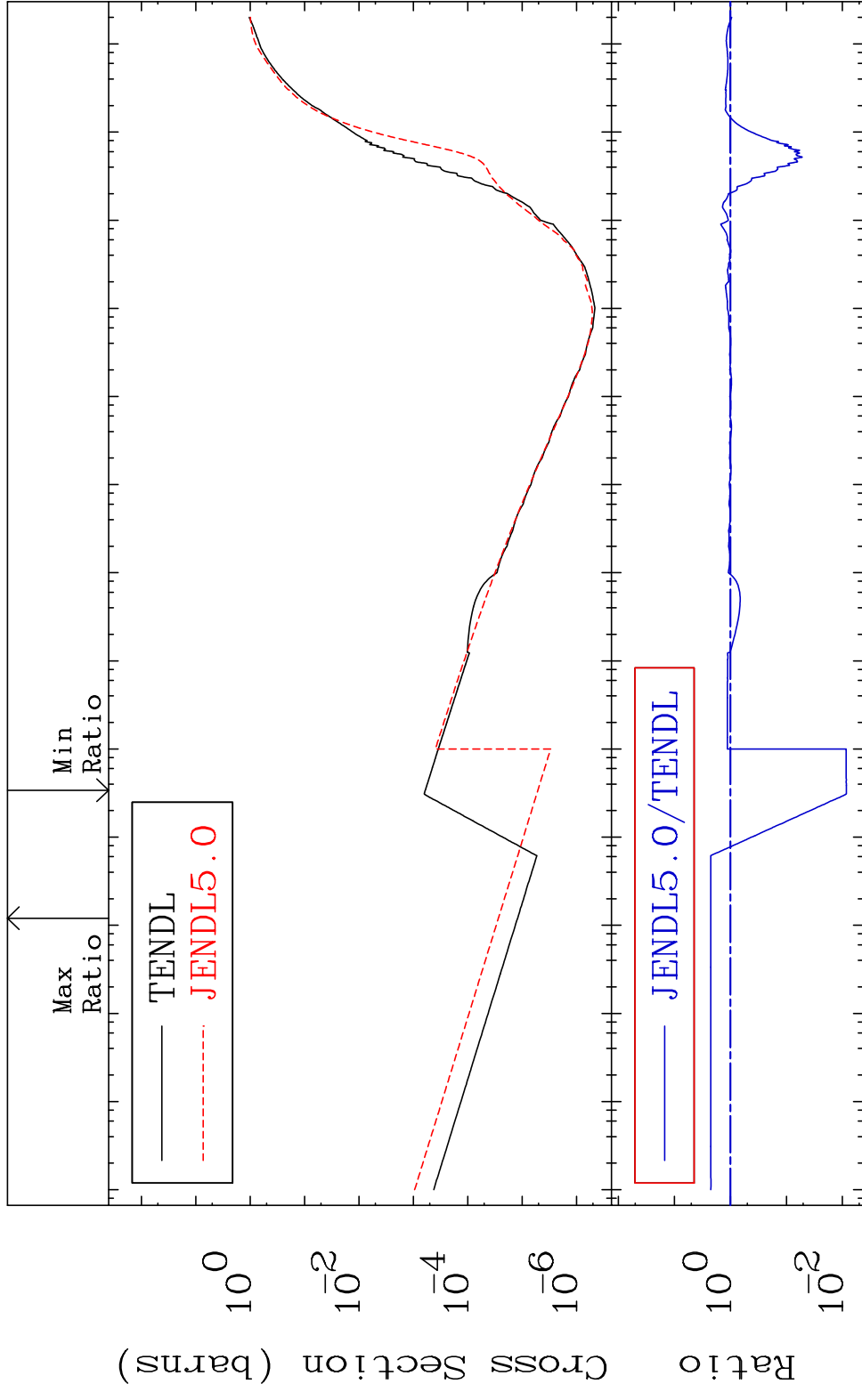
Incident Energy (eV)

63-Eu-150

MAT 6322

Hydrogen Production
Cross Section -99.15 To 125.0 %

63-Eu-150



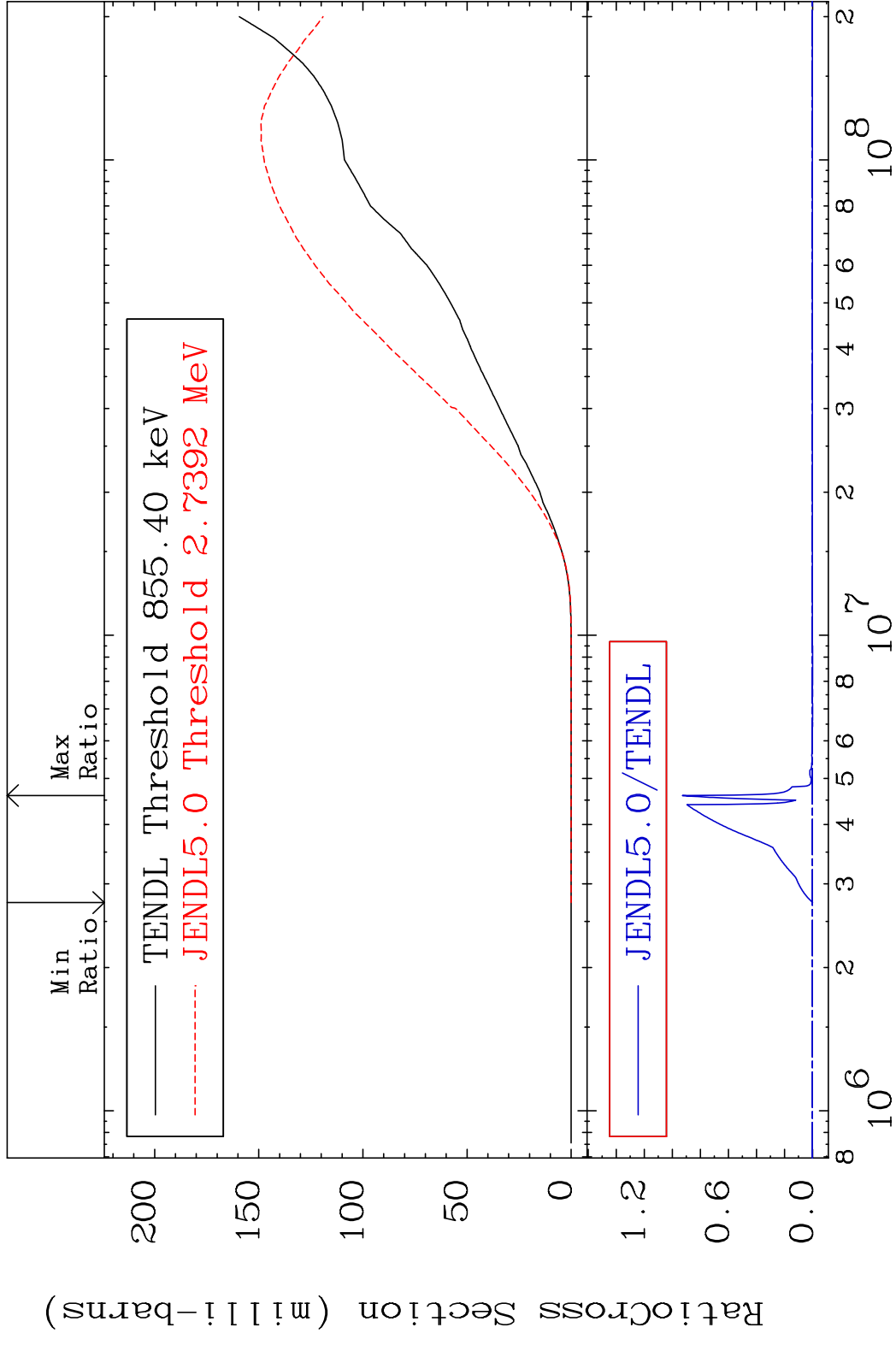
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

49

Incident Energy (eV)

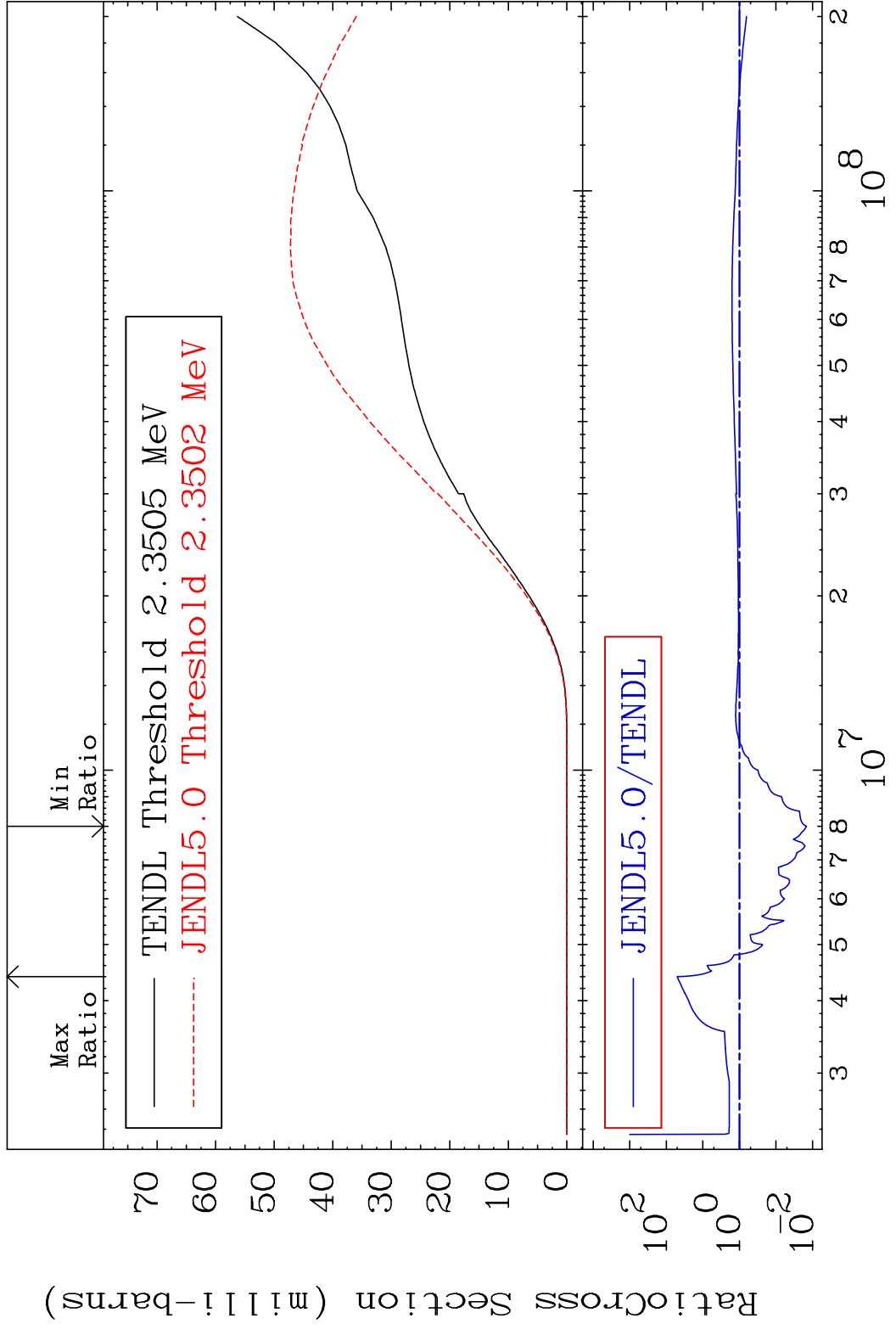
63-Eu-150

MAT 6322 Deuterium Production 63-Eu-150
 Cross Section -100.0 To 9999. %

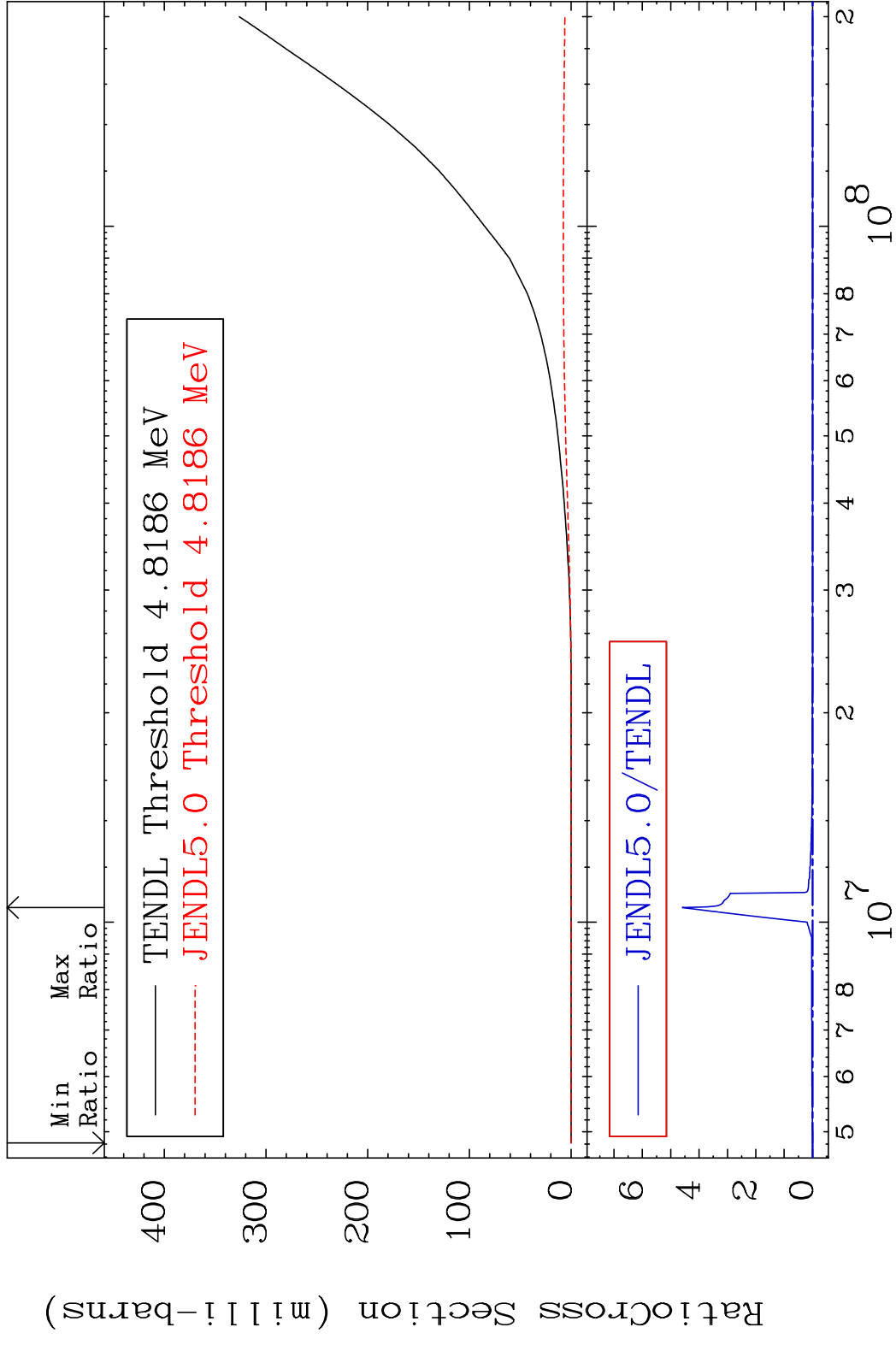


50 Incident Energy (eV) 63-Eu-150

MAT 6322 Tritium Production 63-Eu-150
 Cross Section -98.53 To 4942. %



MAT 6322 He-3 Production 63-Eu-150
 Cross Section -100.0 To 9999. %

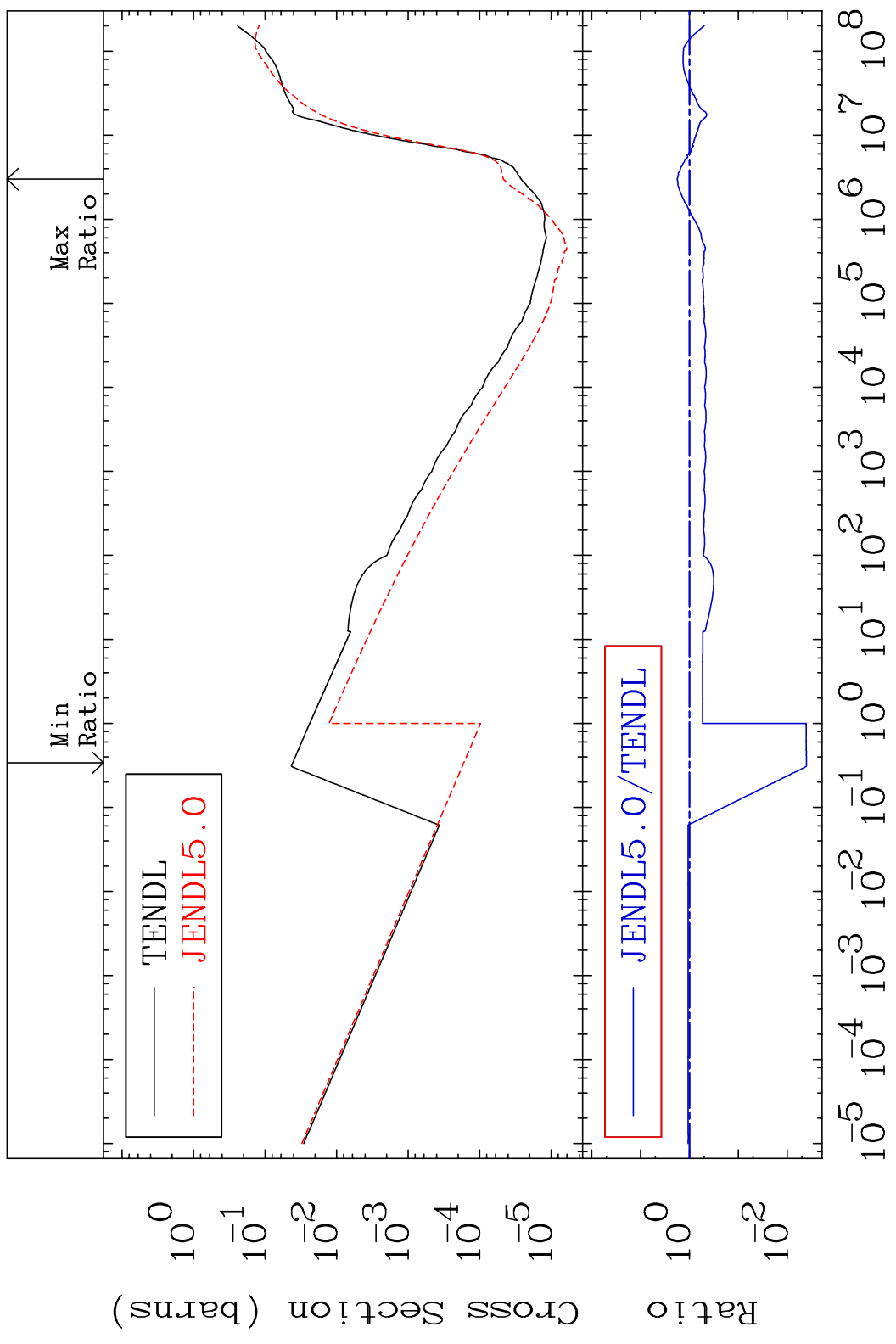


MAT 6322

He-4 Production

63-Eu-150

Cross Section -99.60 To 77.84 %

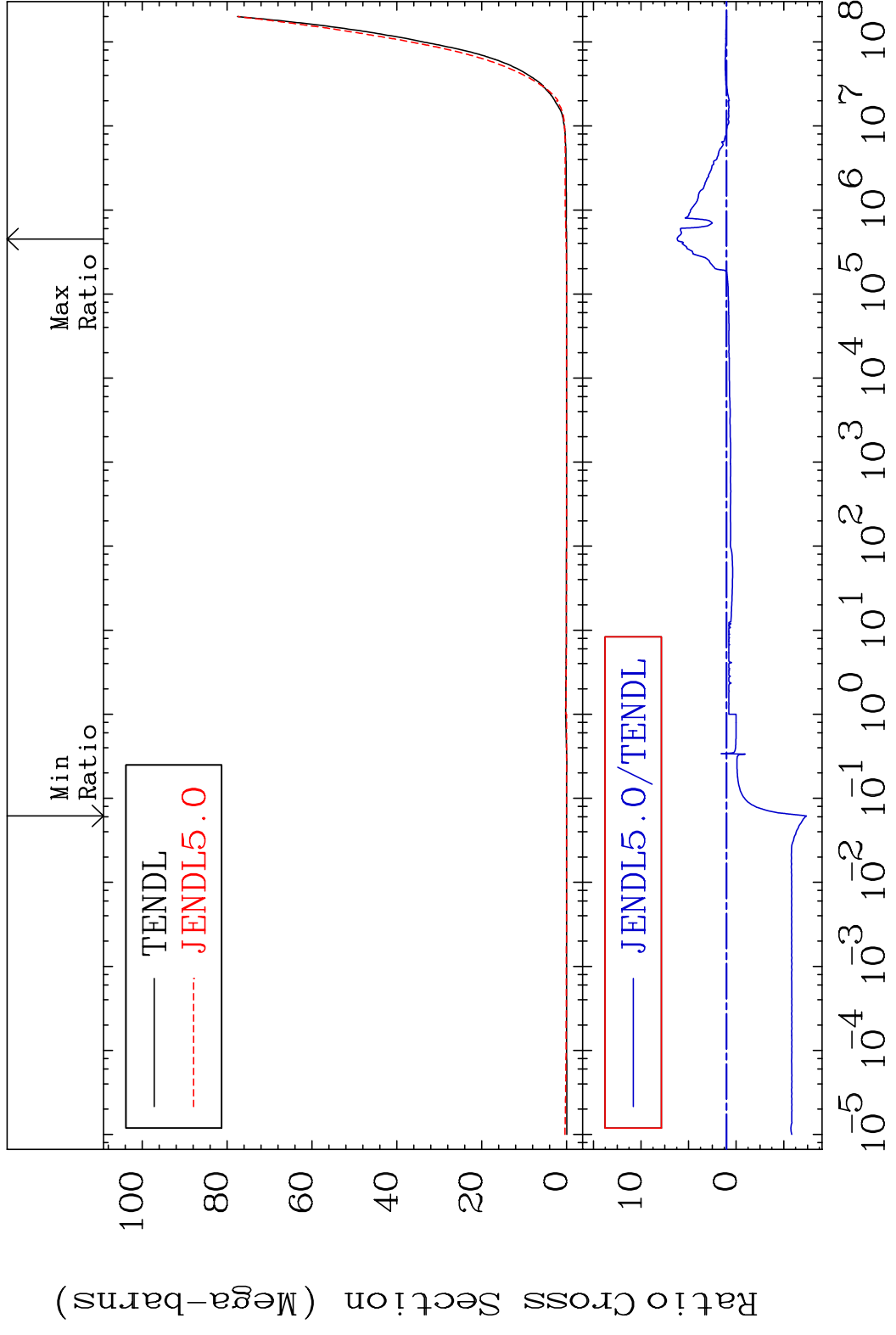


53

Incident Energy (eV)

63-Eu-150

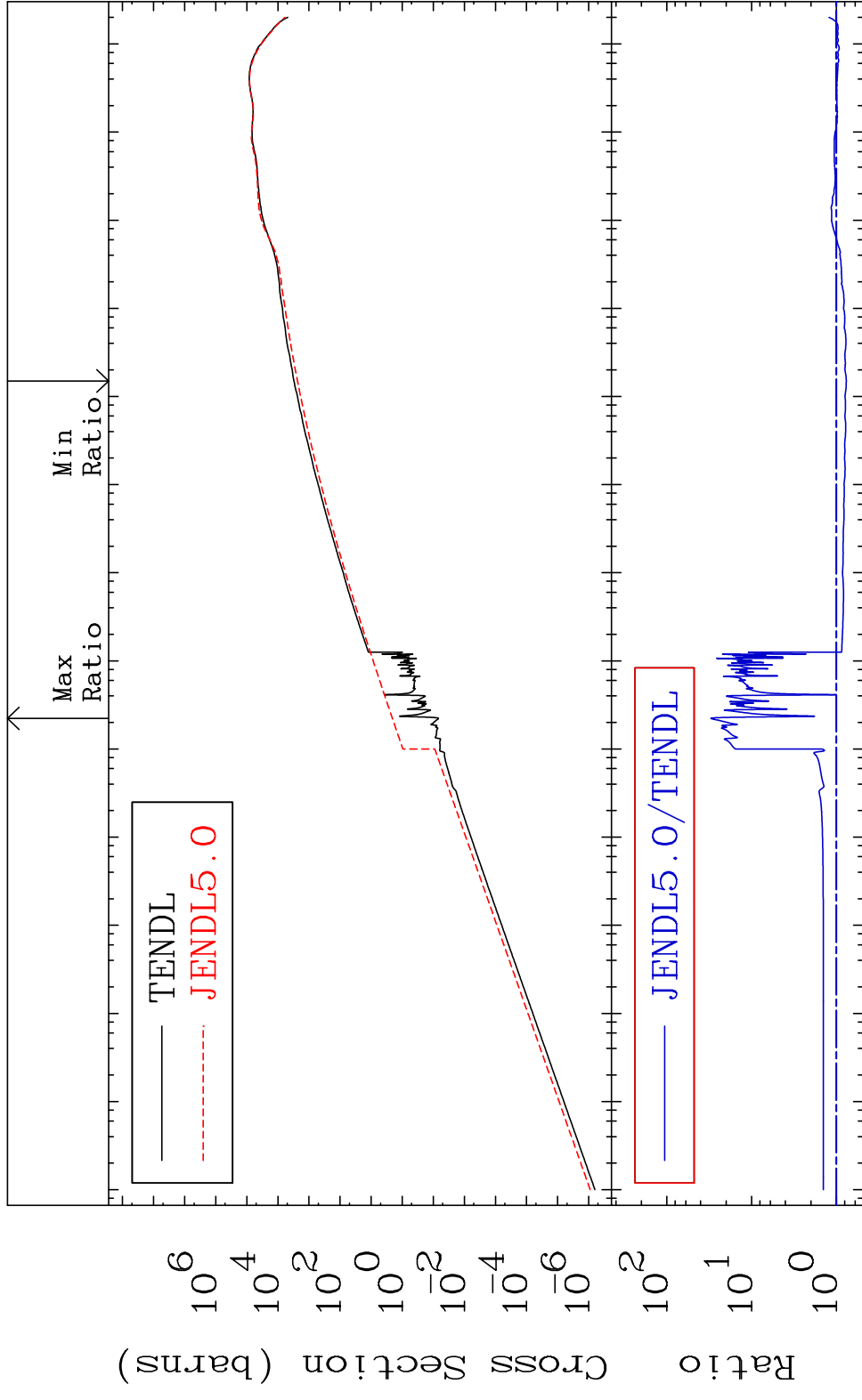
MAT 6322 Kerma total (eV-barns) 63-Eu-150
 Cross Section -837.9 To 519.8 %



MAT 6322

Kerma elastic Cross Section -23.55 To 2942. %

63-Eu-150



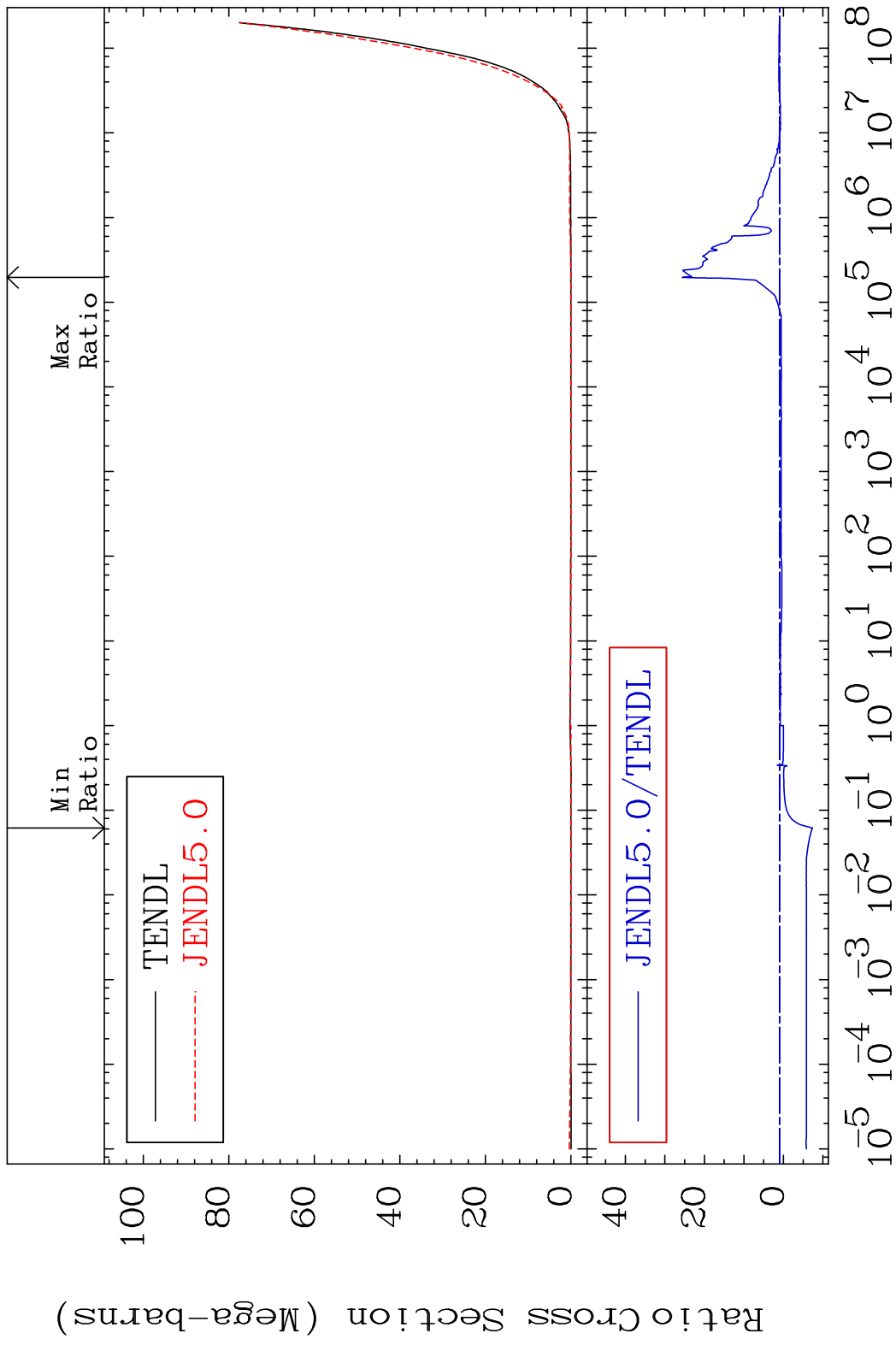
Ratio

55

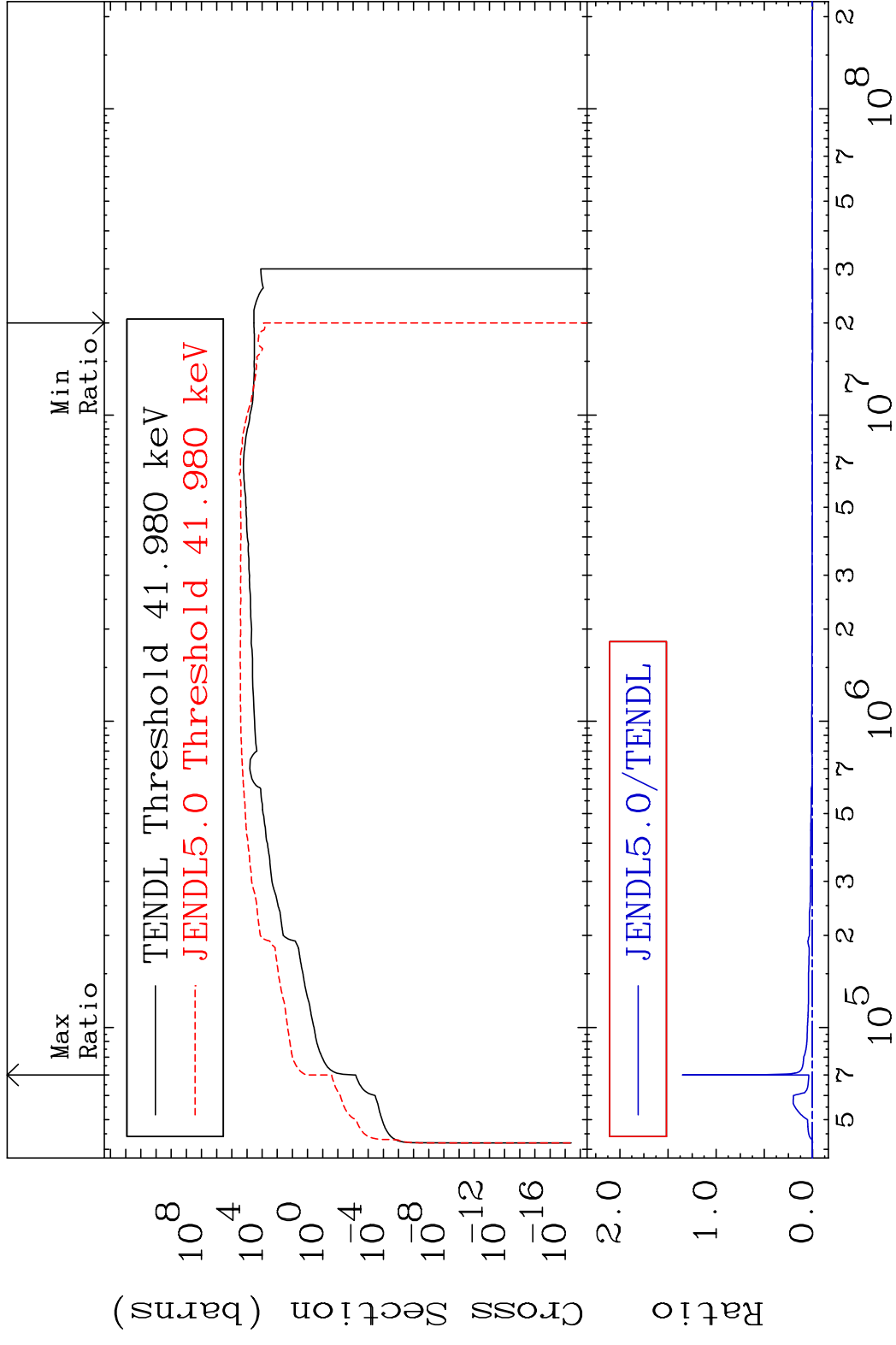
Incident Energy (eV)

63-Eu-150

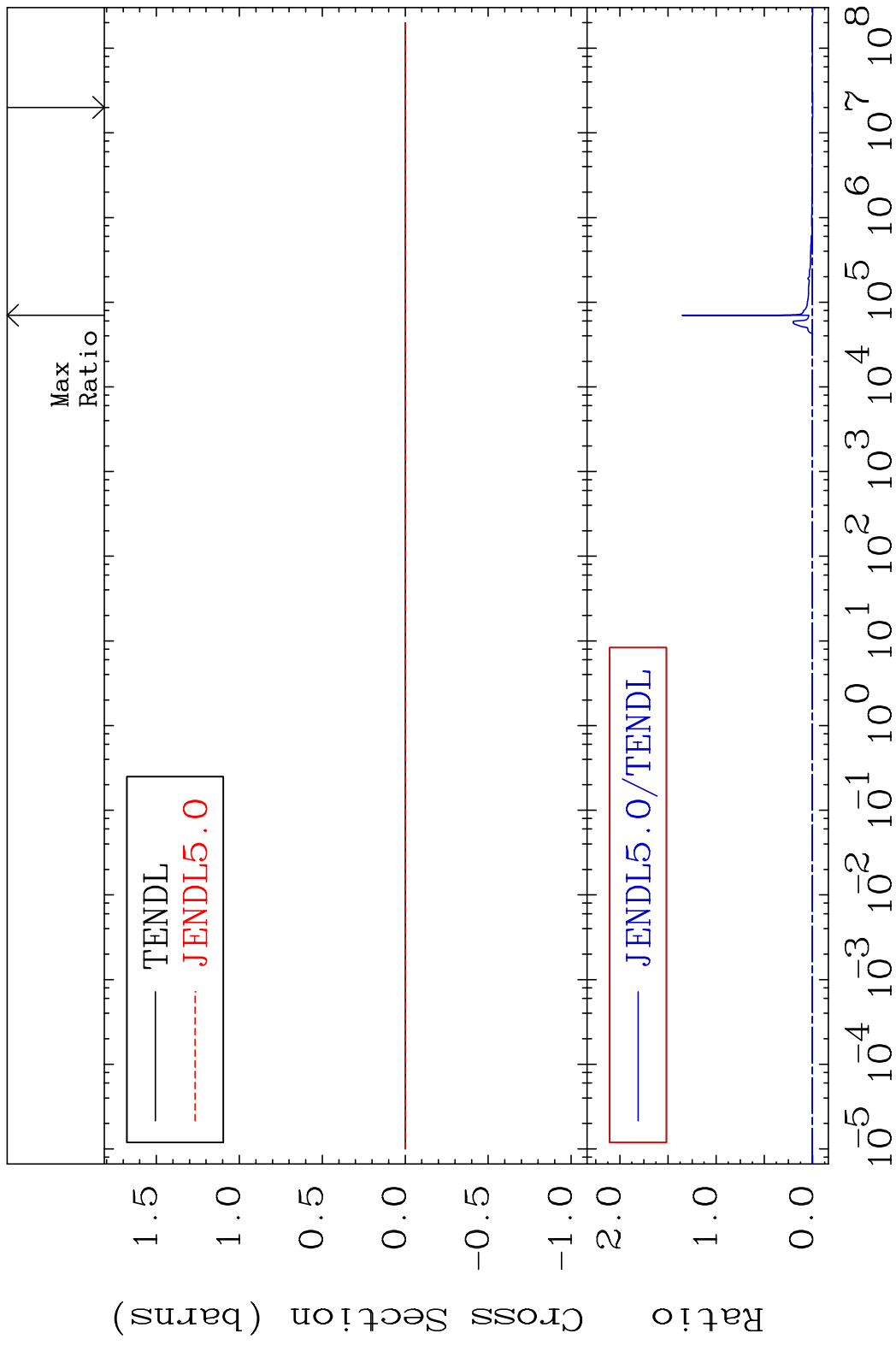
MAT 6322 Kerma non-elastic (all but mt2) 63-Eu-150
 Cross Section -837.9 To 2458. %



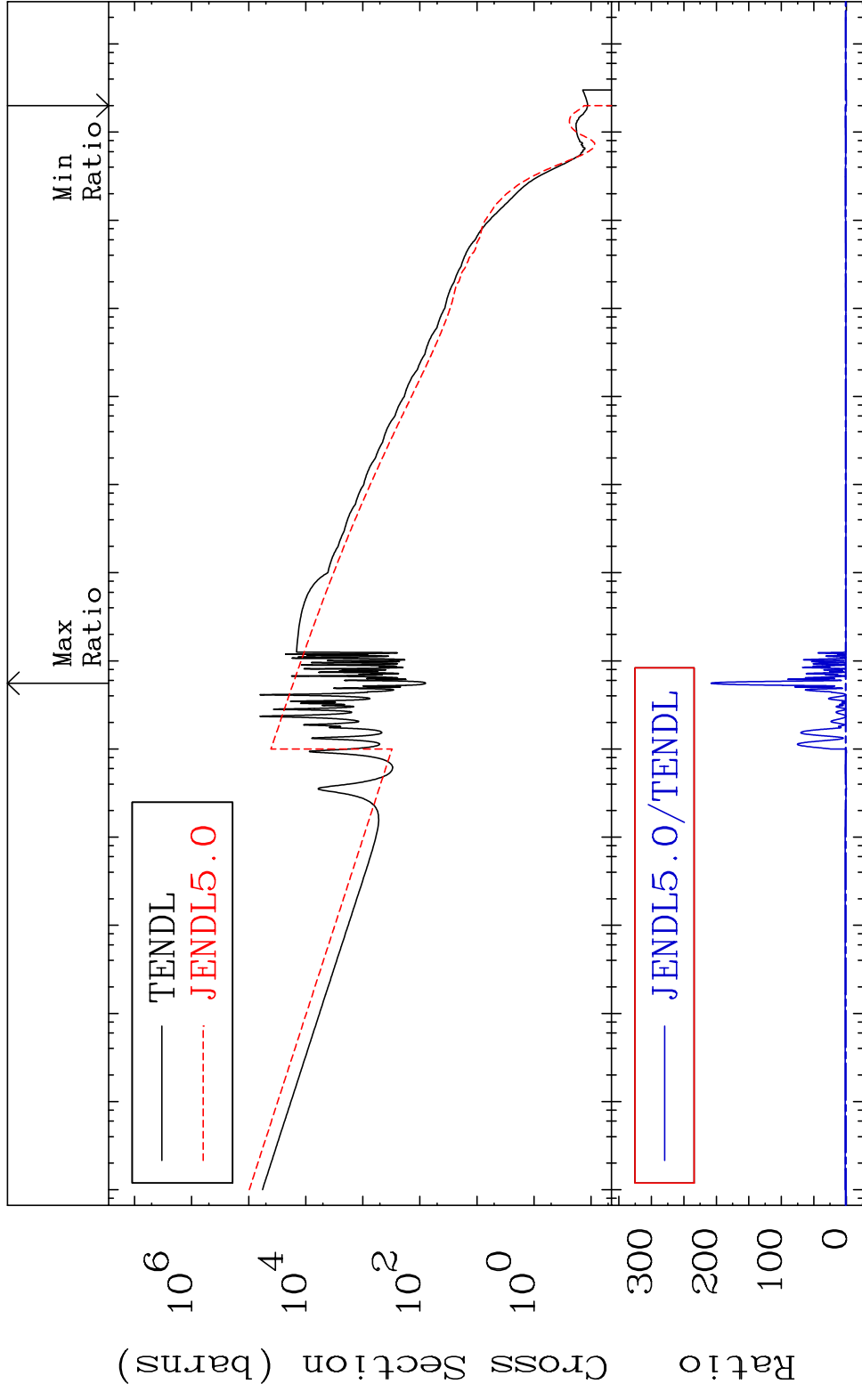
MAT 6322 Kerma inelastic (mt51-91) 63-Eu-150
 Cross Section -100.0 To 9999. %



MAT 6322 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-150
 Cross Section -100.0 To 9999. %

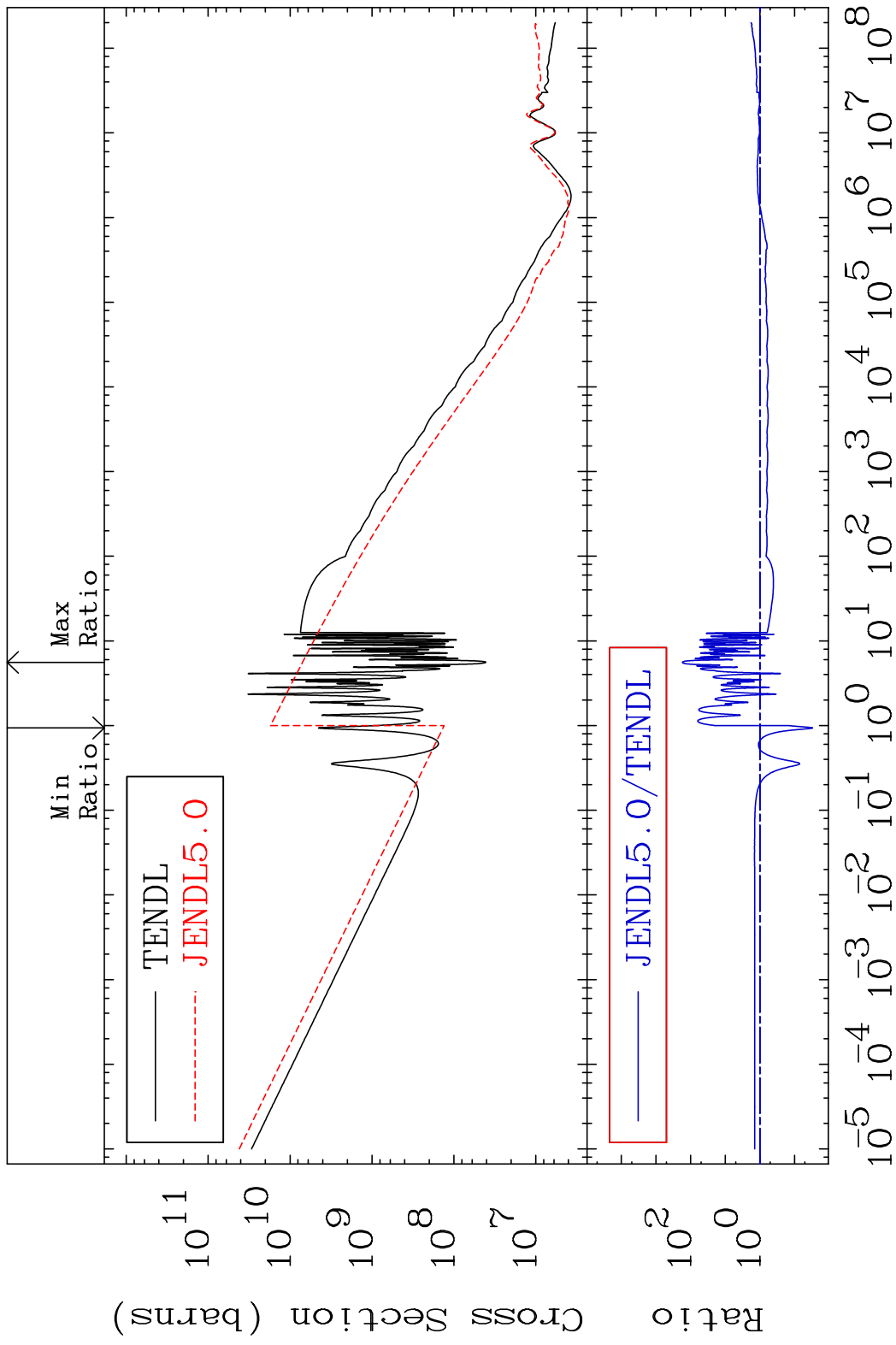


MAT 6322 Kerma capture (mt102) 63-Eu-150
 Cross Section -100.0 To 9999. %



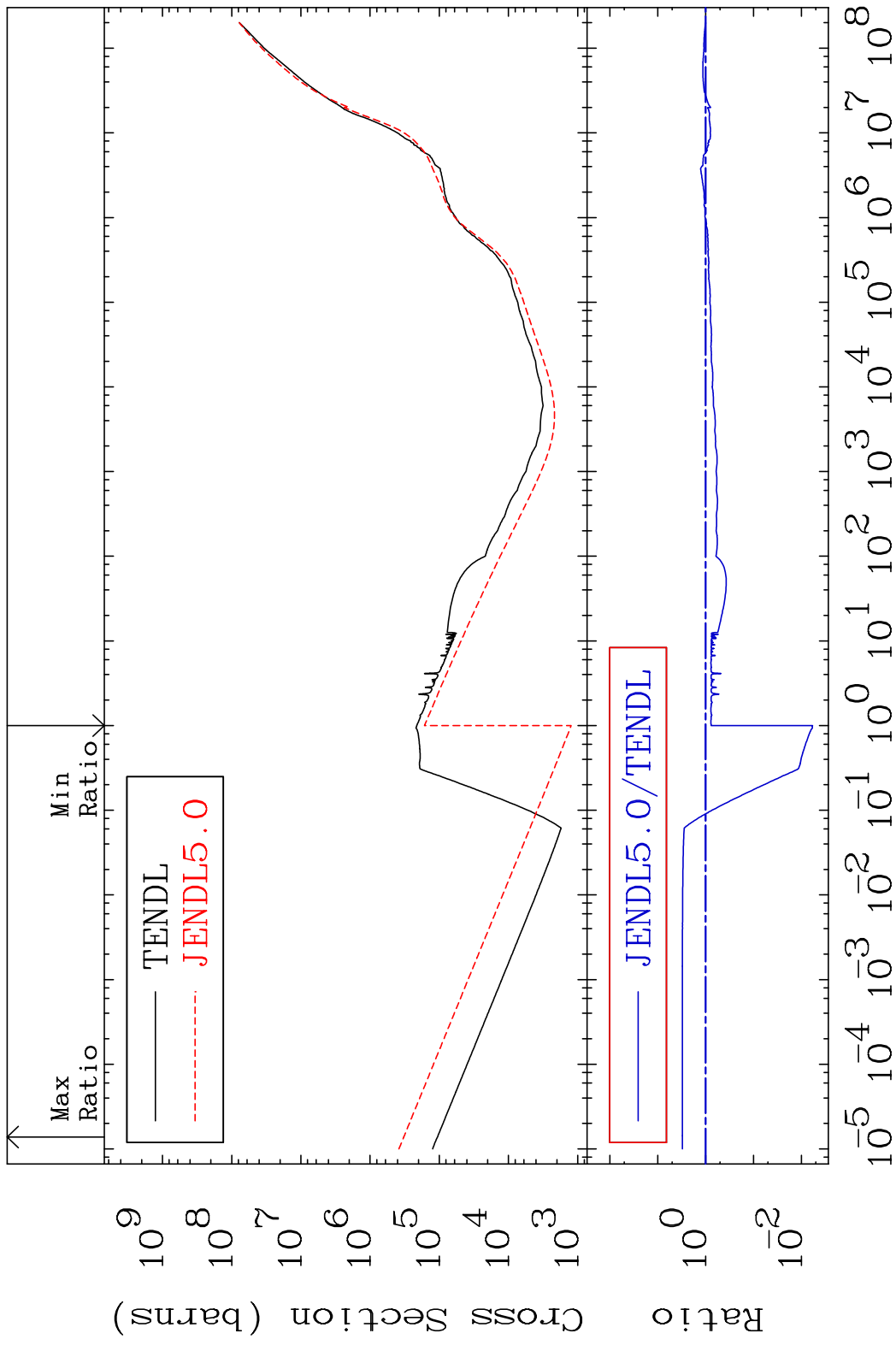
59 Incident Energy (eV) 63-Eu-150

MAT 6322 Total photon (eV-barns) 63-Eu-150
Cross Section -96.99 To 9999. %

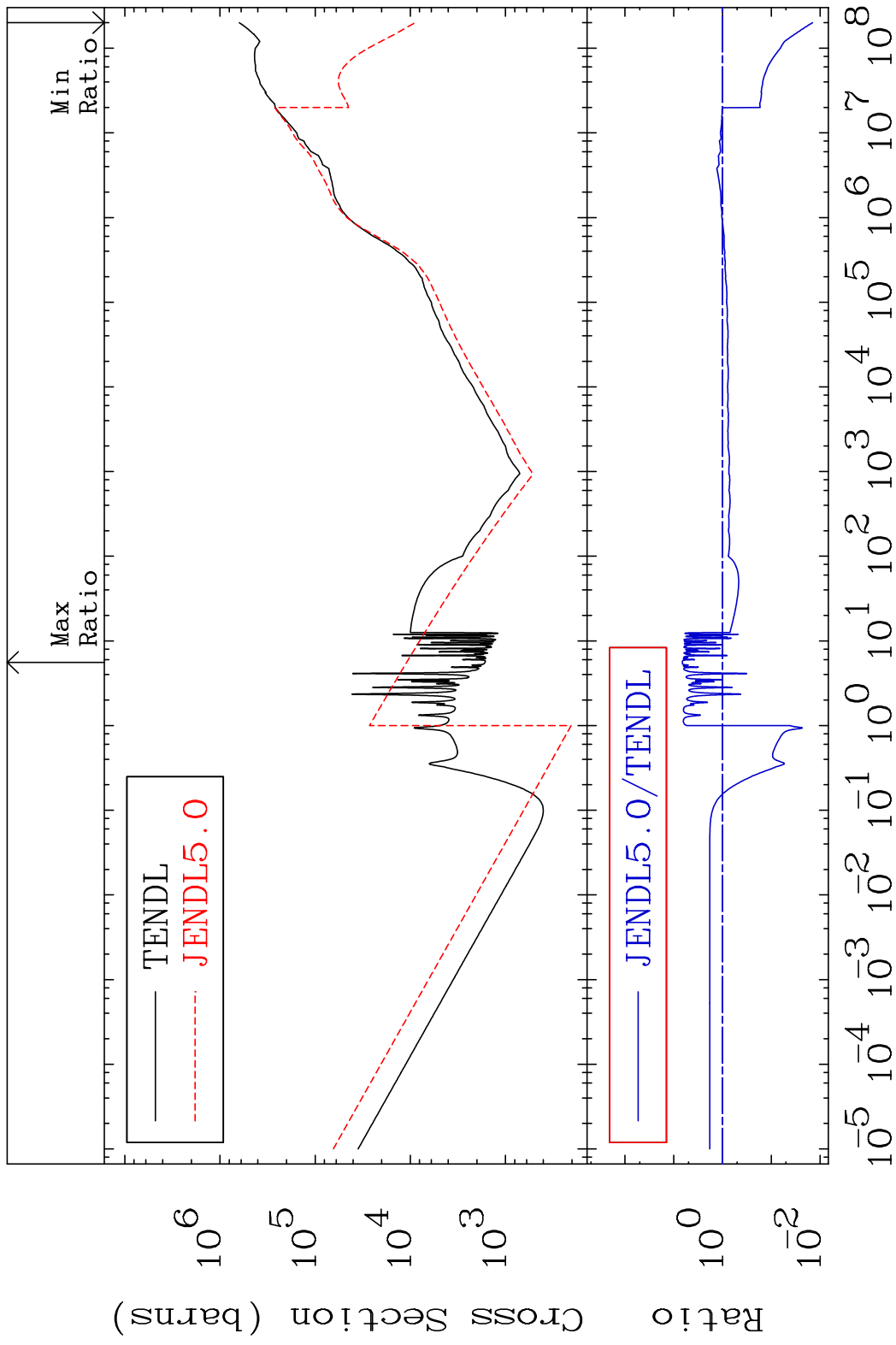


60 Incident Energy (eV) 63-Eu-150

MAT 6322 Total kinematic kerma (high limit) 63-Eu-150
 Cross Section -99.41 To 207.0 %



MAT 6322 Dpa total (eV-barns) 63-Eu-150
 Cross Section -98.58 To 566.5 %

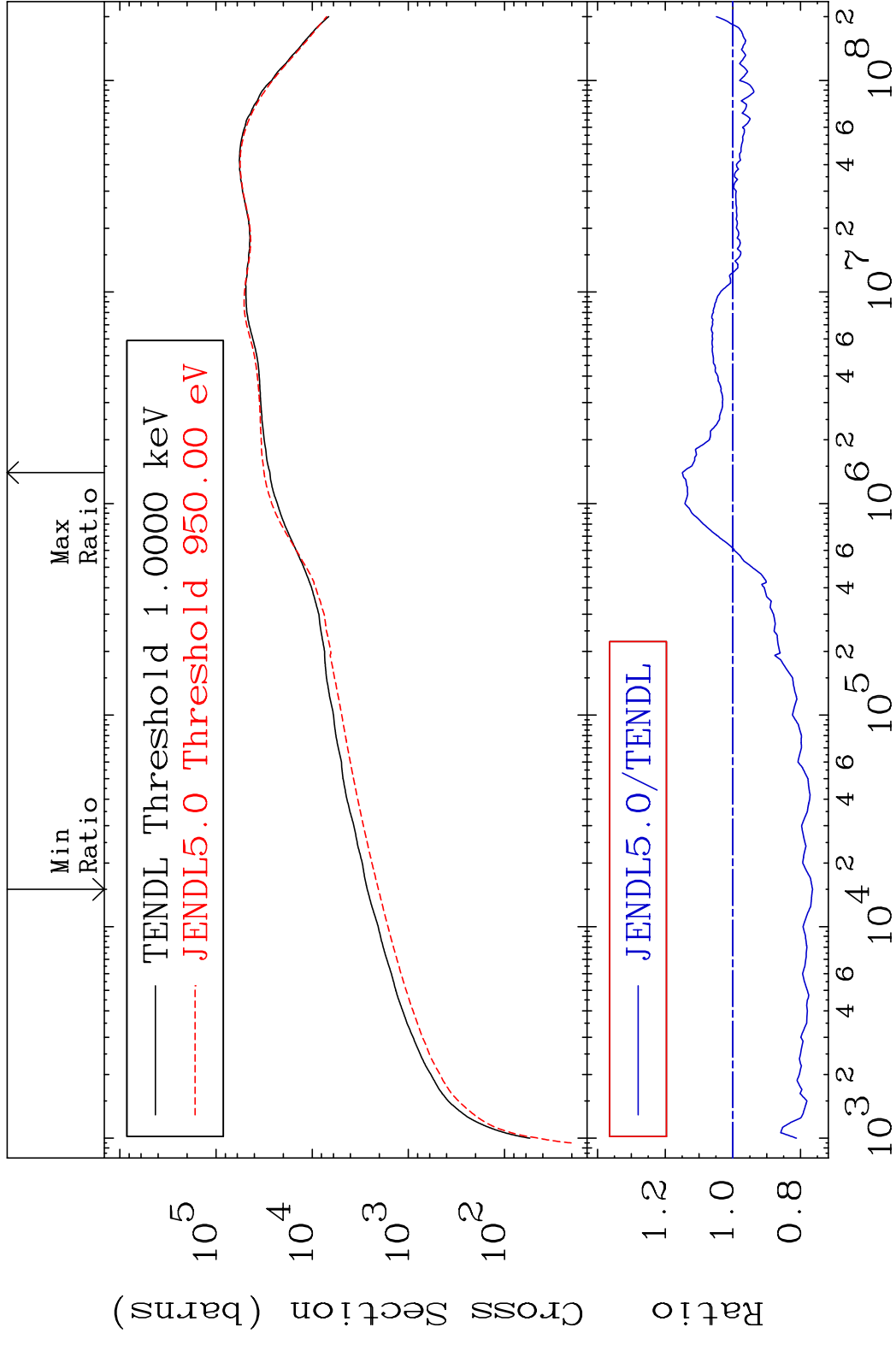


MAT 6322

Dpa elastic (mt2)

63-Eu-150

Cross Section -23.55 To 14.92 %

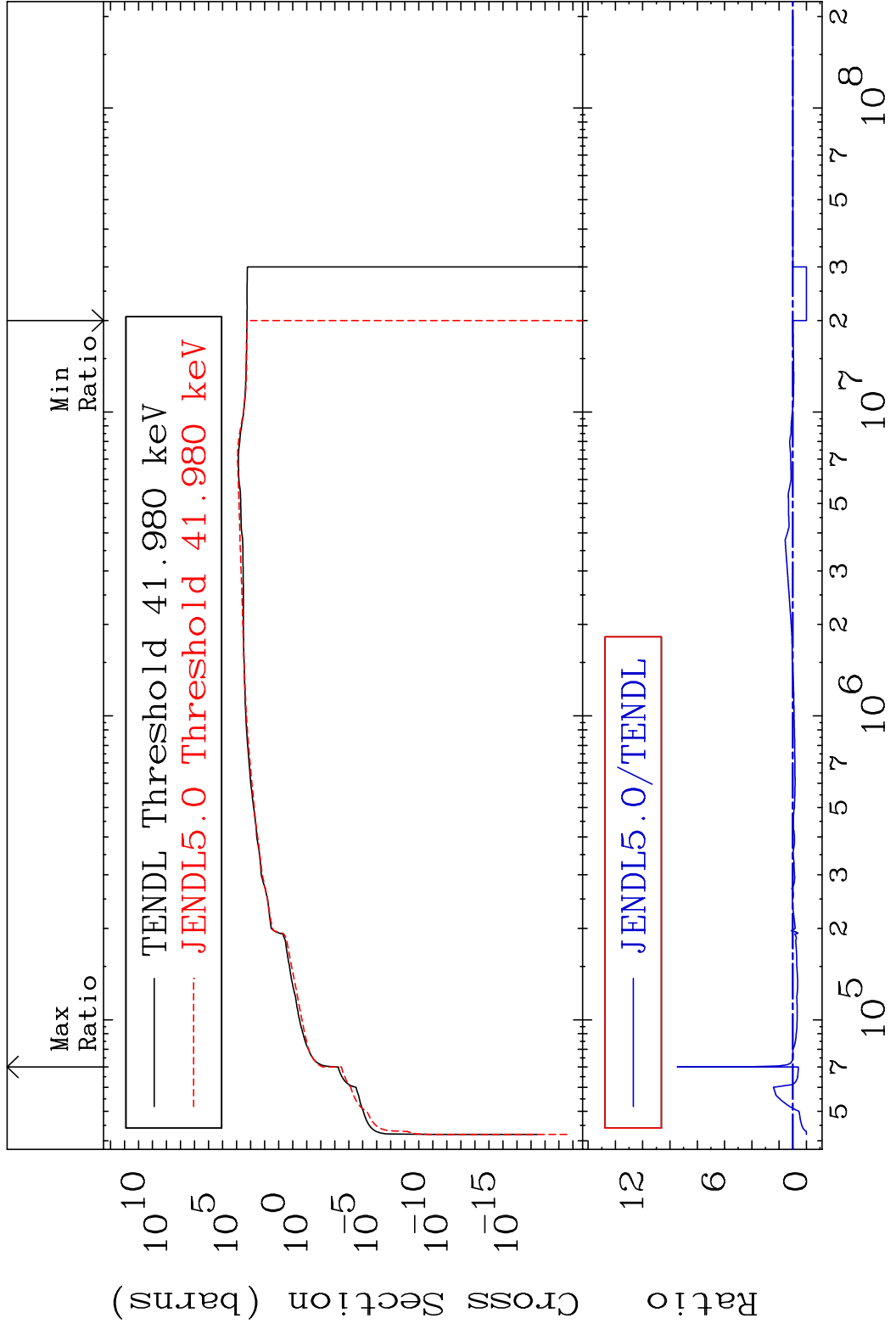


63

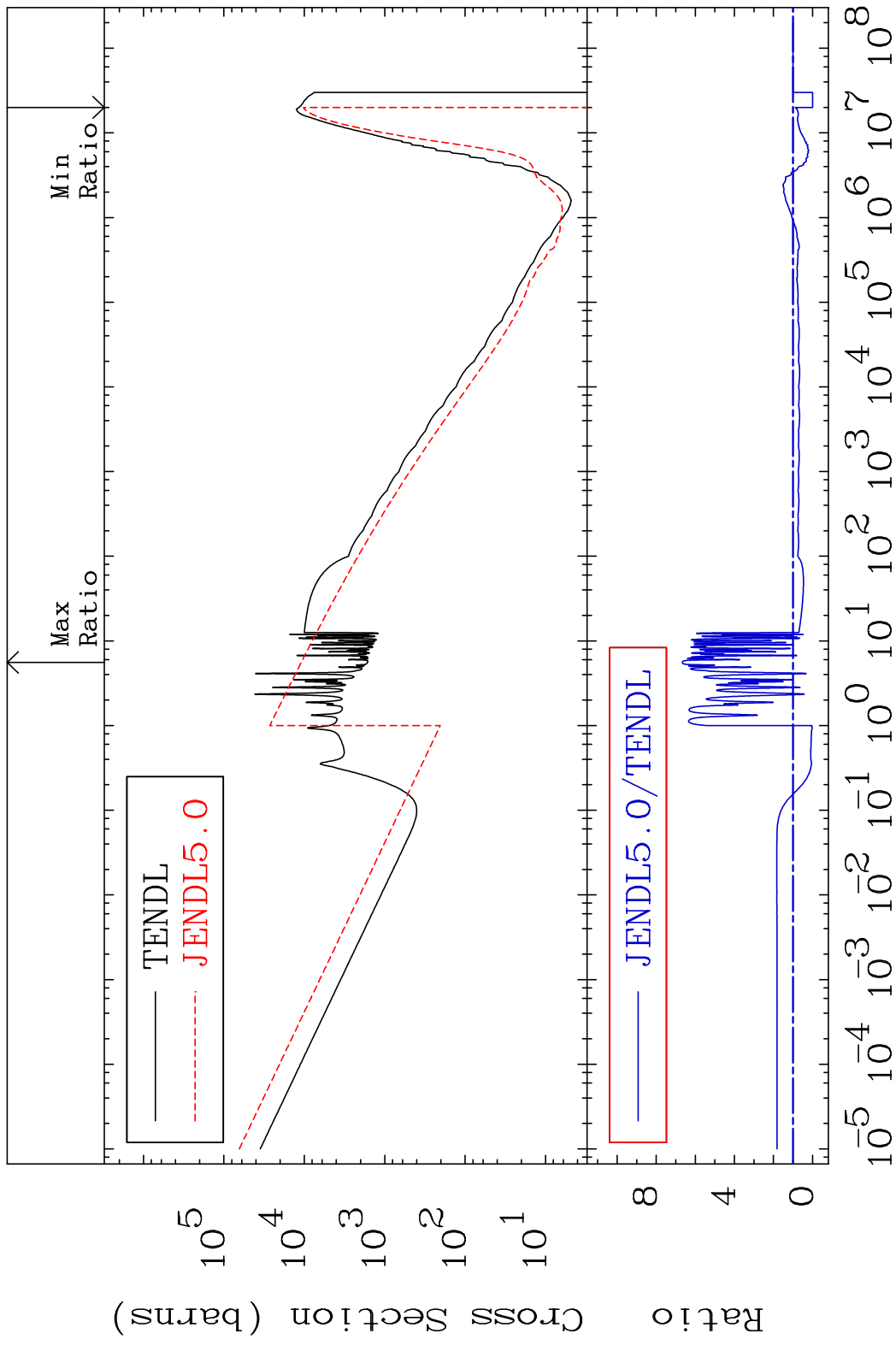
Incident Energy (eV)

63-Eu-150

MAT 6322 Dpa inelastic (mt51-91) 63-Eu-150
 Cross Section -100.0 To 847.2 %



MAT 6322 Dpa disappearance (mt102 -120) 63-Eu-150
 Cross Section -100.0 To 566.5 %



65 Incident Energy (eV) 63-Eu-150

