

Program Complot
(Version 2021-1)

by

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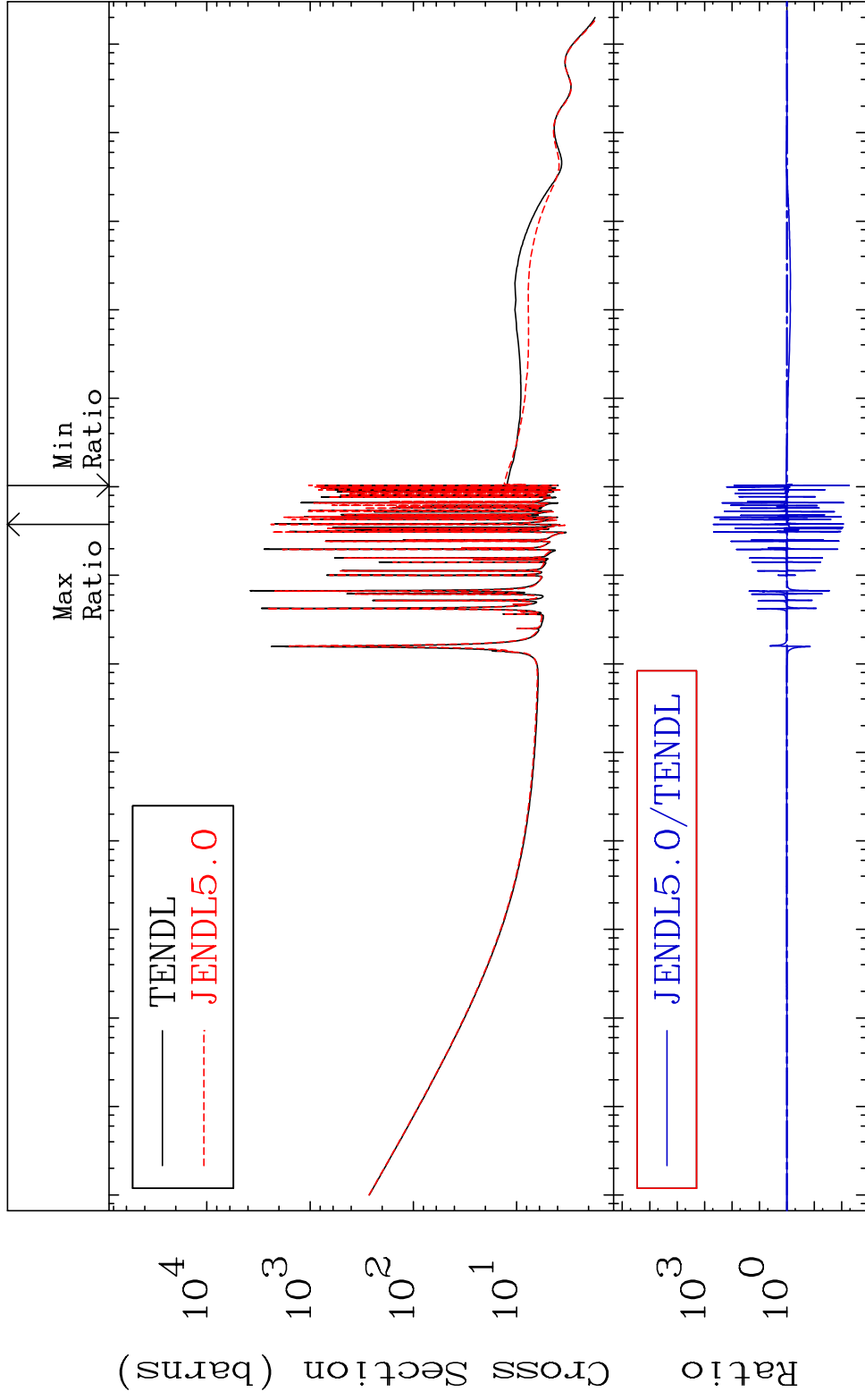
Press Mouse Button to Start

MAT 4440

Total

44-Ru-101

Cross Section -99.47 To 9999. %



1

Incident Energy (eV)

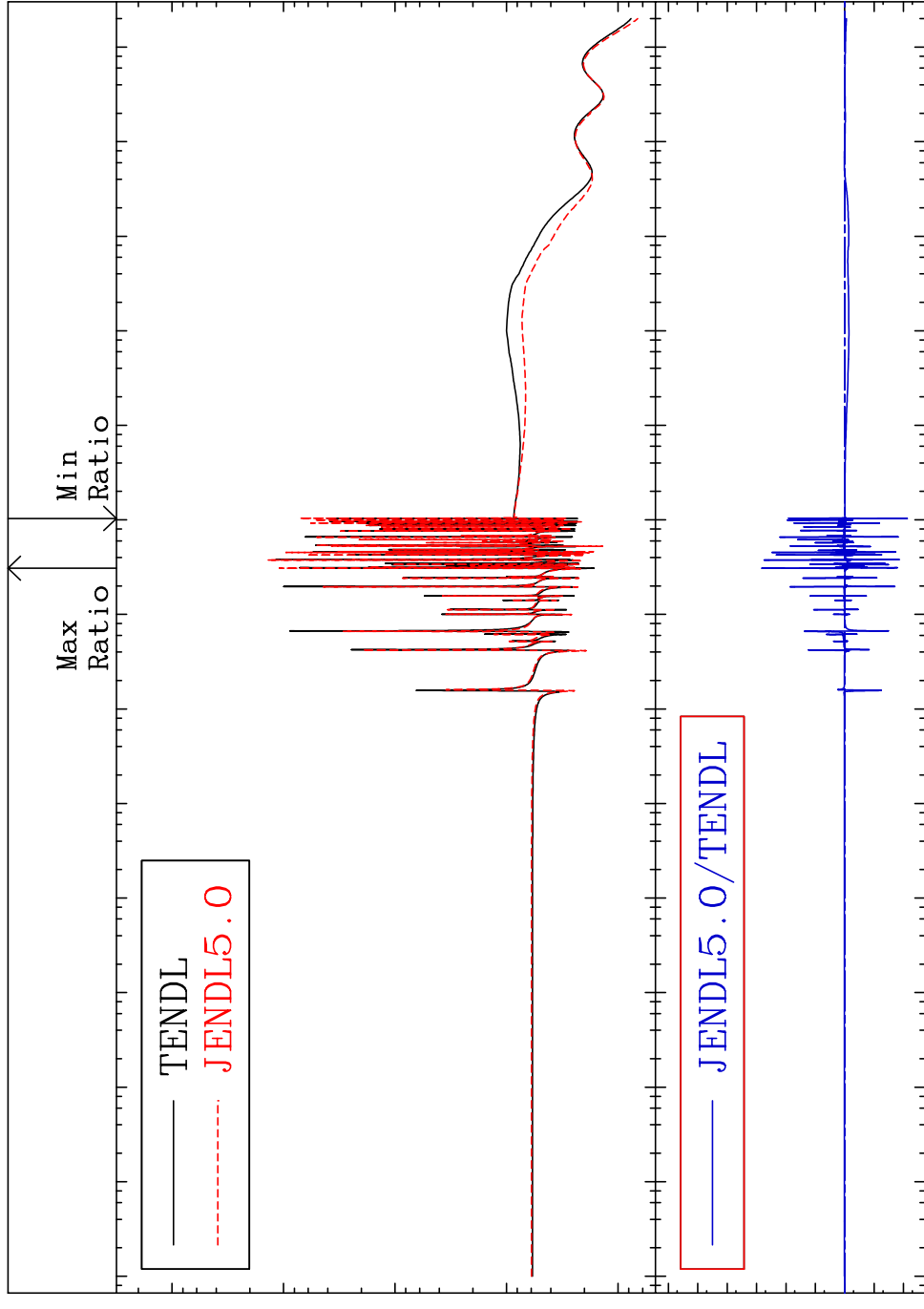
44-Ru-101

MAT 4440

Elastic

44-Ru-101

Cross Section -99.25 To 9999. %



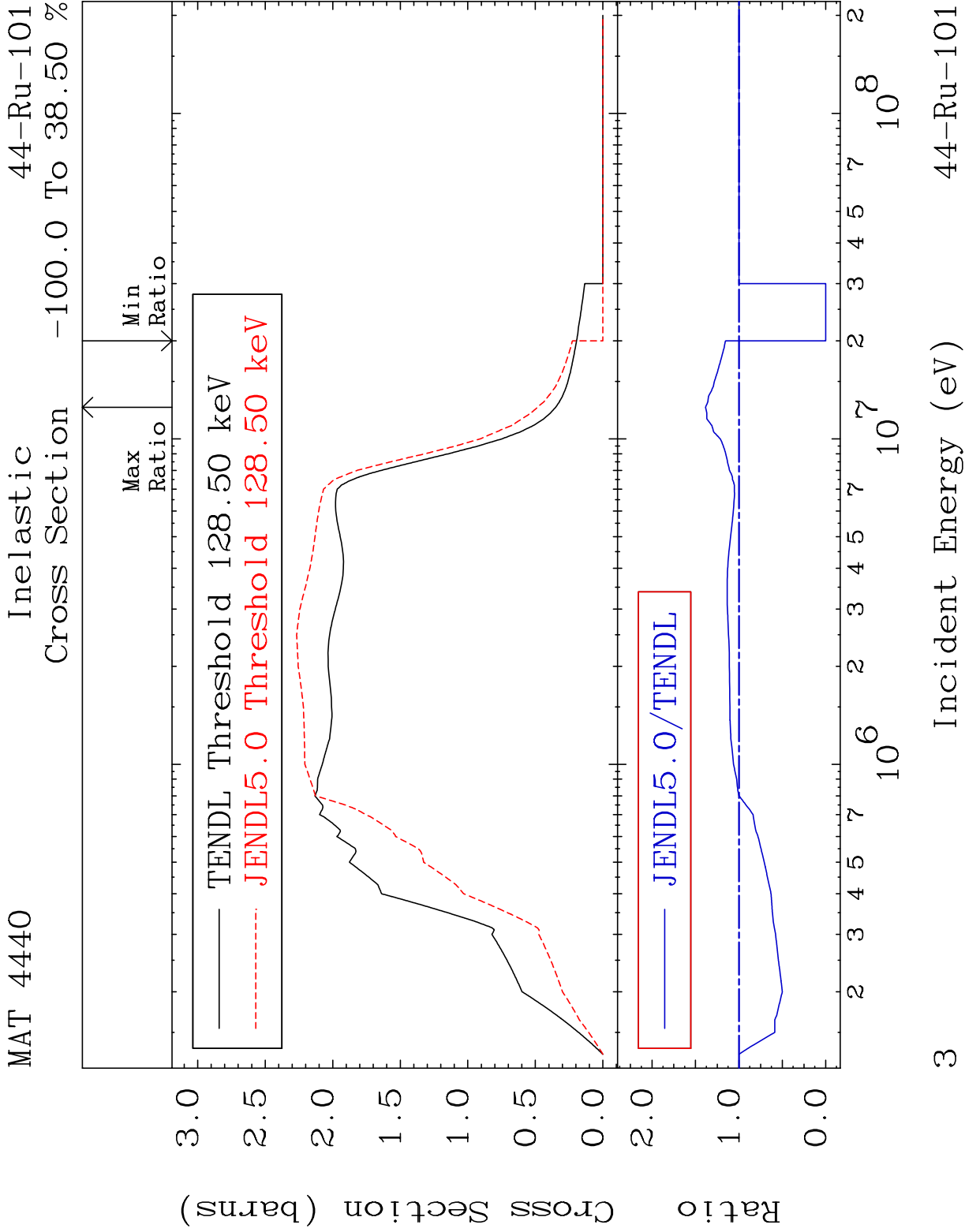
10⁴
10³
10²
10¹
10⁰
Ratio
10³
10⁰

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

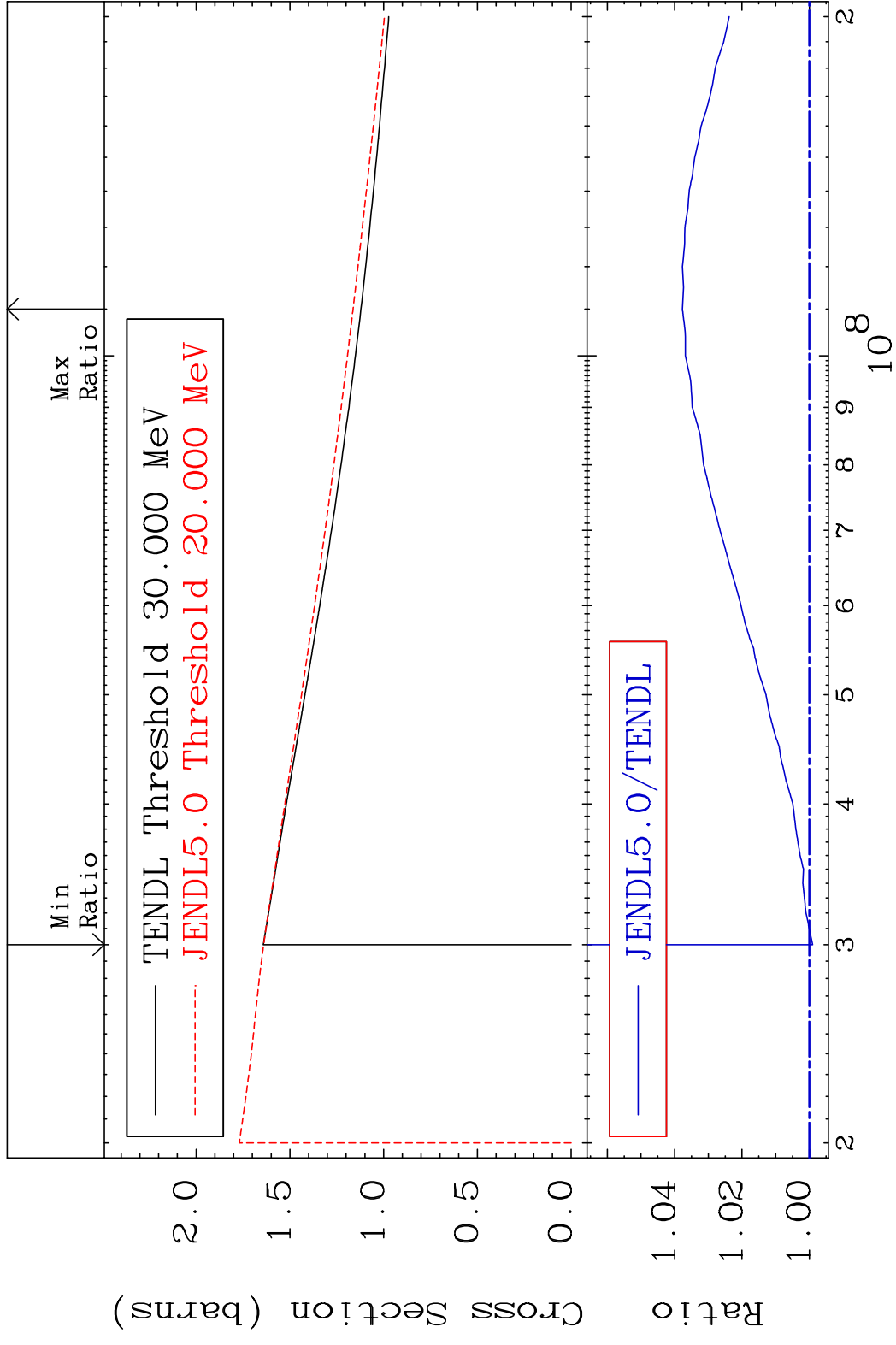
2

Incident Energy (eV)

44-Ru-101

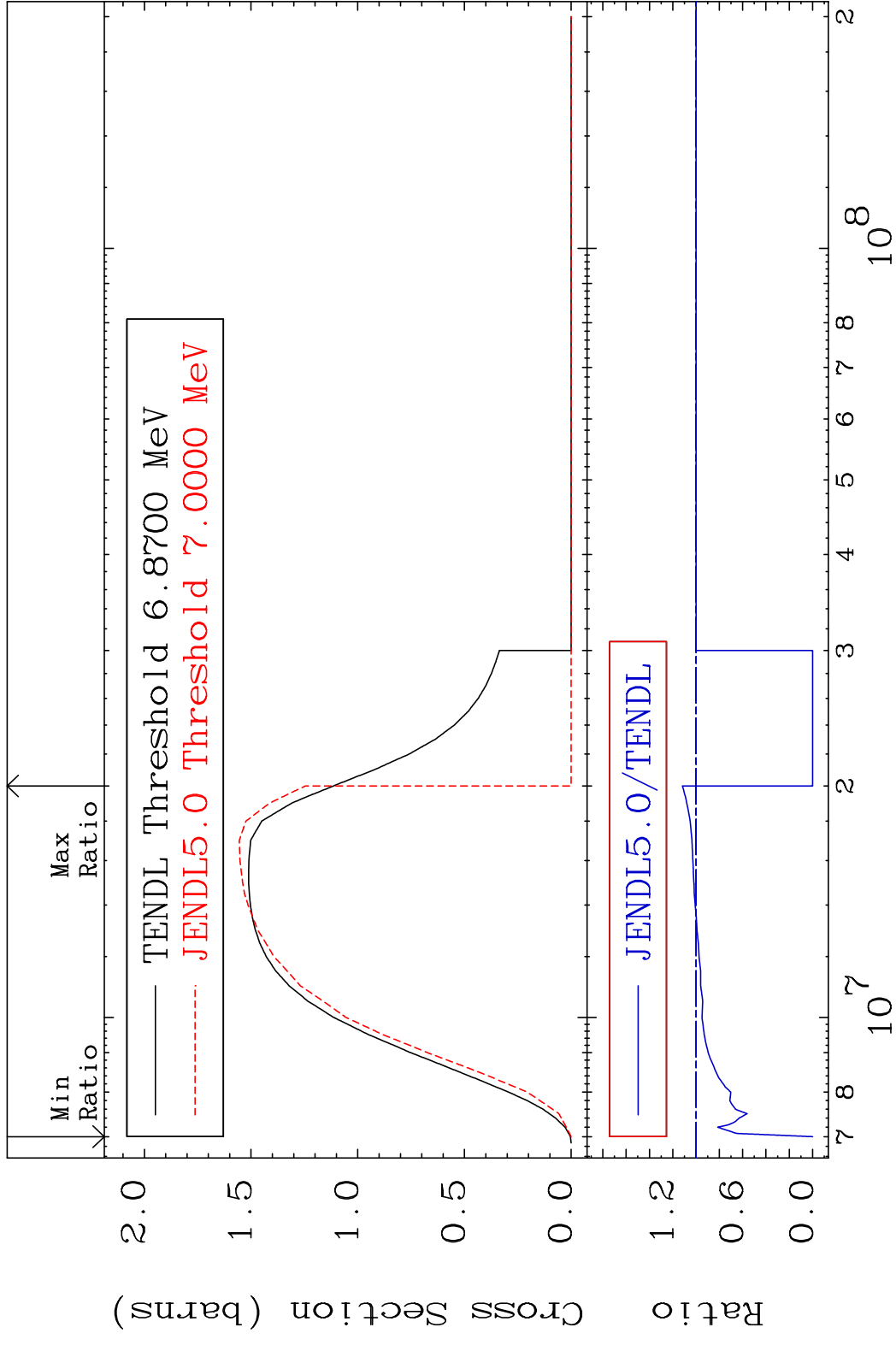


MAT 4440 (n, remainder) 44-Ru-101
 Cross Section -0.096 To 3.771 %

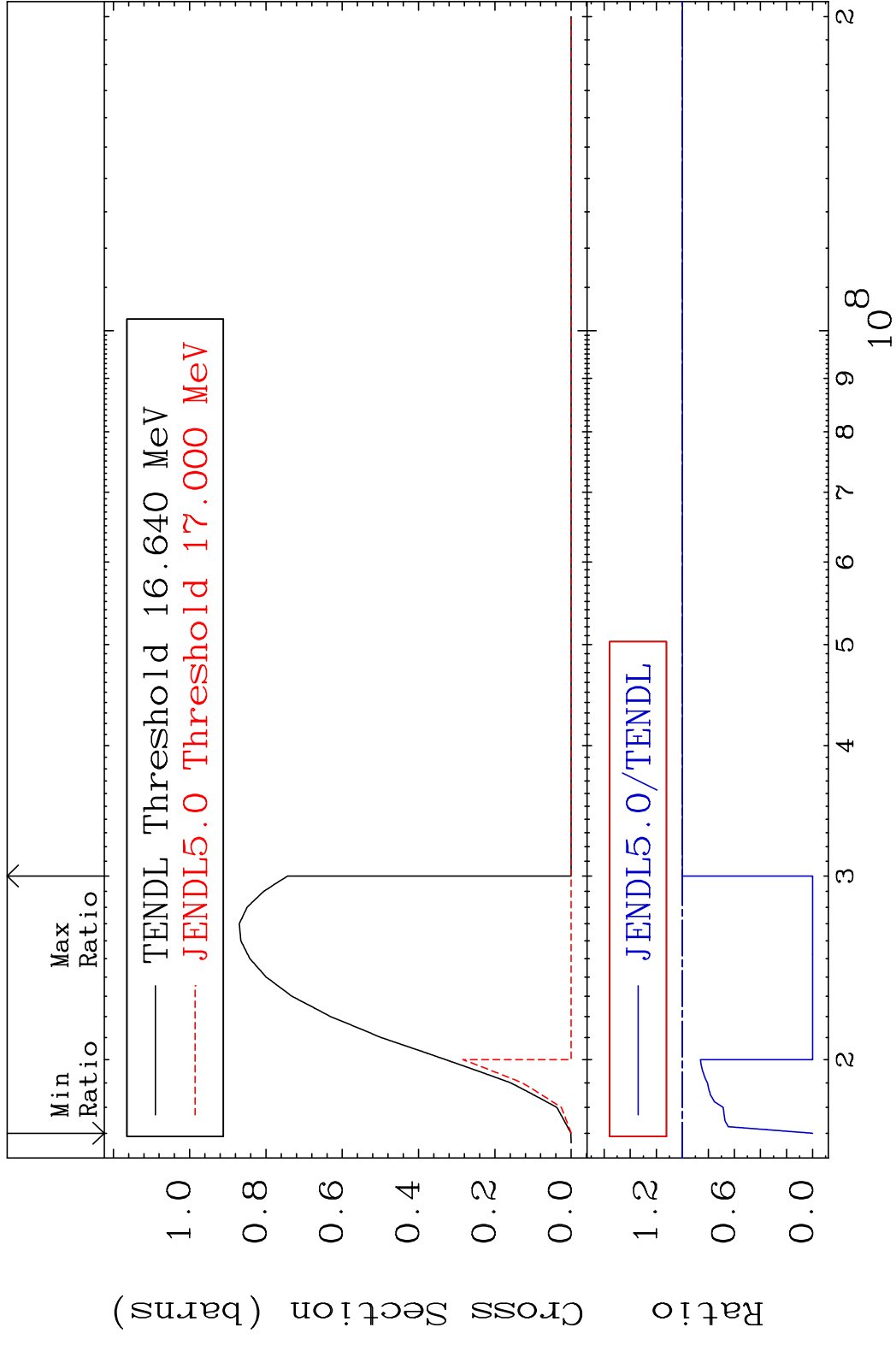


4 Incident Energy (eV) 44-Ru-101

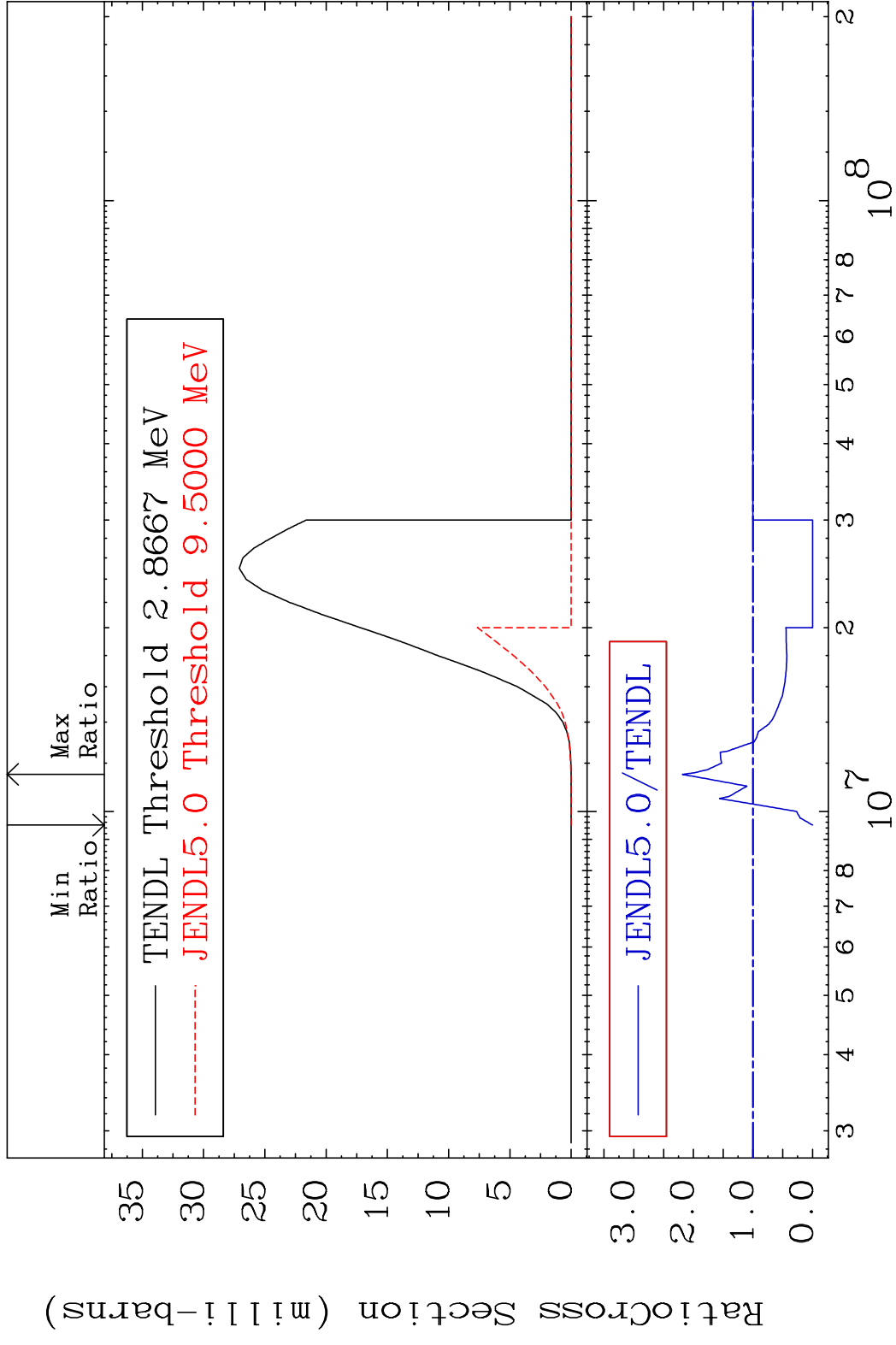
MAT 4440 (n,2n) 44-Ru-101
 Cross Section -100.0 To 11.76 %



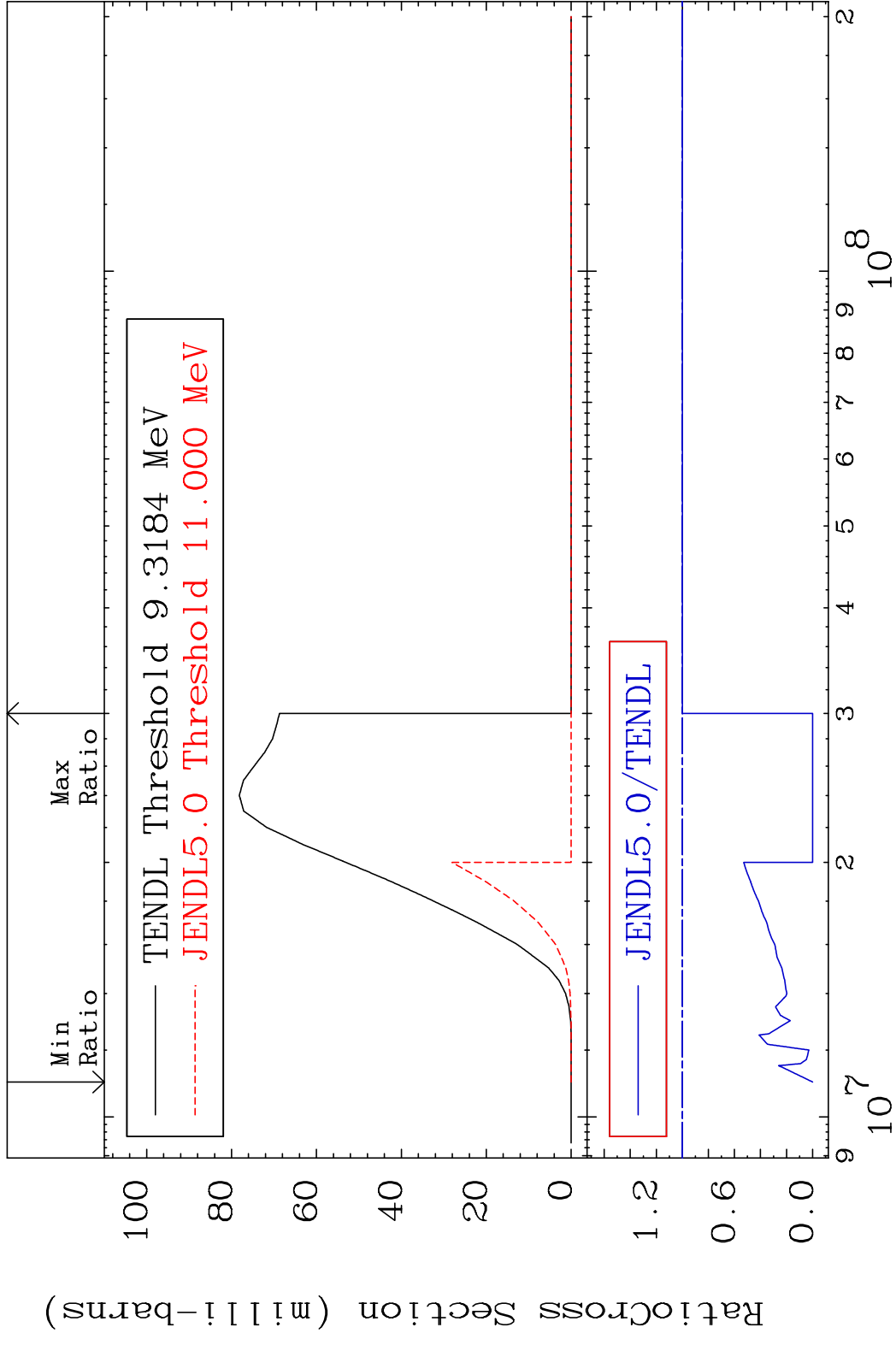
MAT 4440 (n,3n) 44-Ru-101
 Cross Section -100.0 To 0.000 %



MAT 4440 (n, n') α 44-Ru-101
 Cross Section -100.0 To 118.5 %

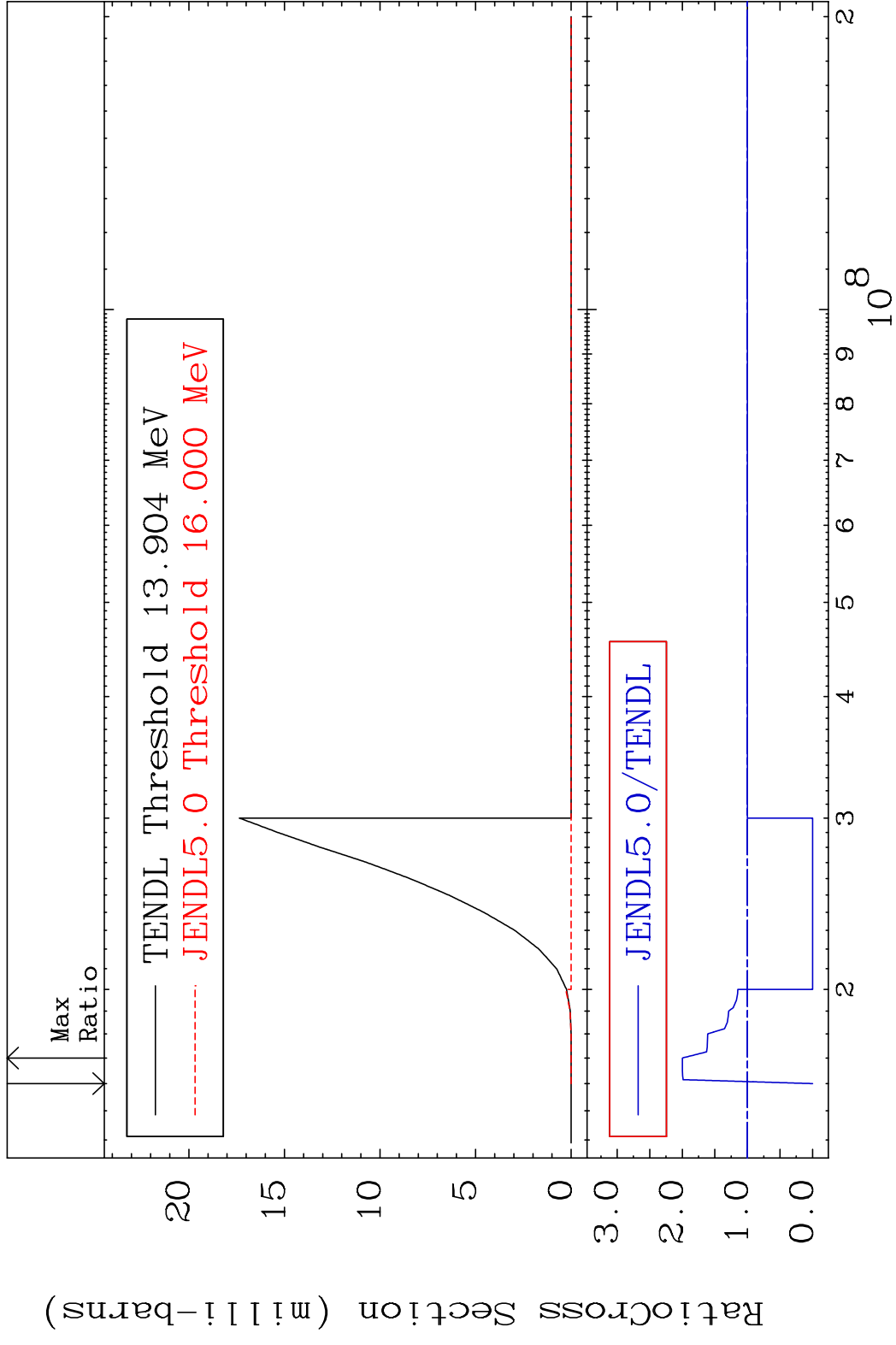


MAT 4440 (n, n') p 44-Ru-101
 Cross Section -100.0 To 0.000 %

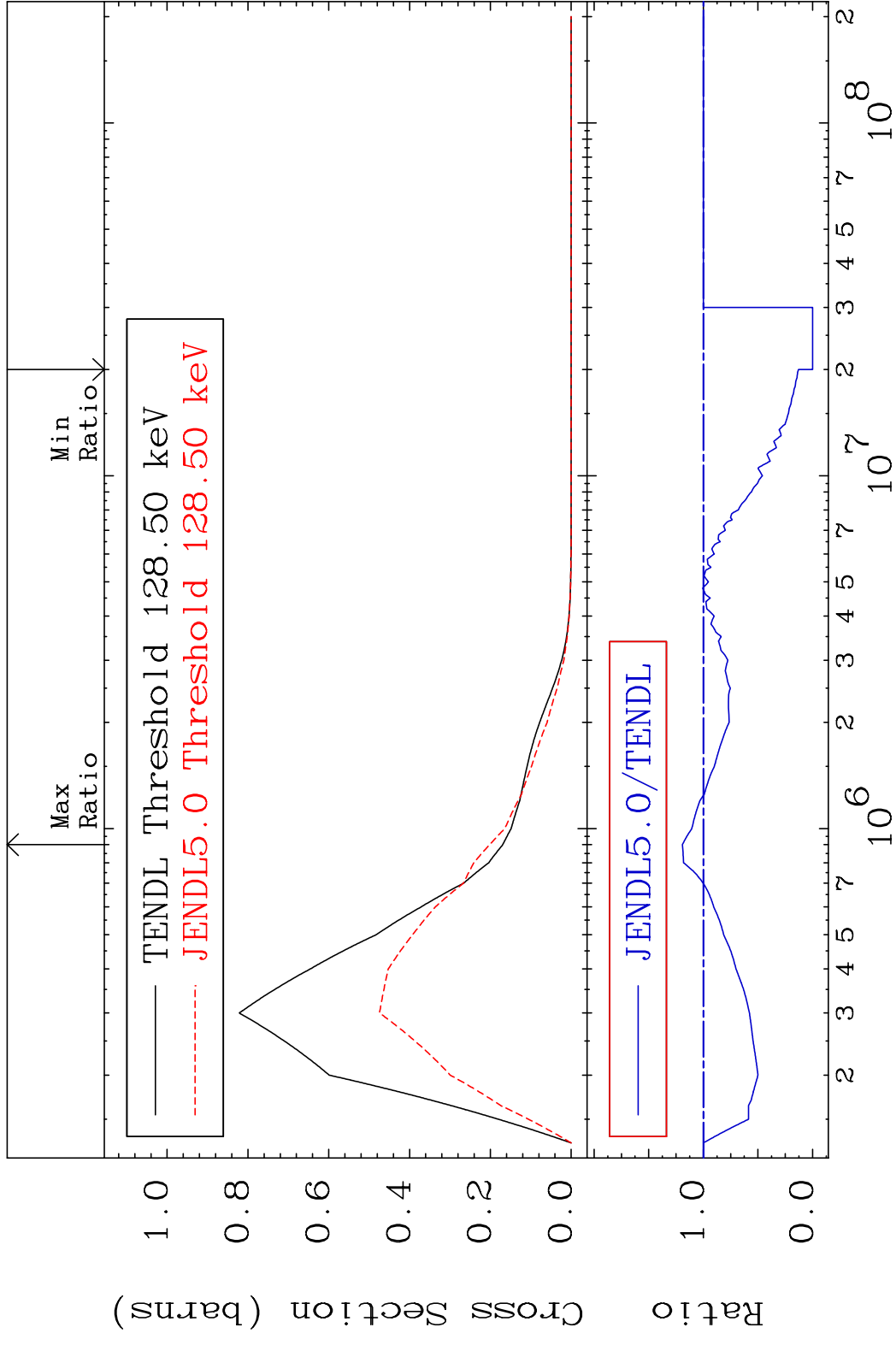


8 Incident Energy (eV) 44-Ru-101

MAT 4440 (n, n') d 44-Ru-101
 Cross Section -100.0 To 99.92 %

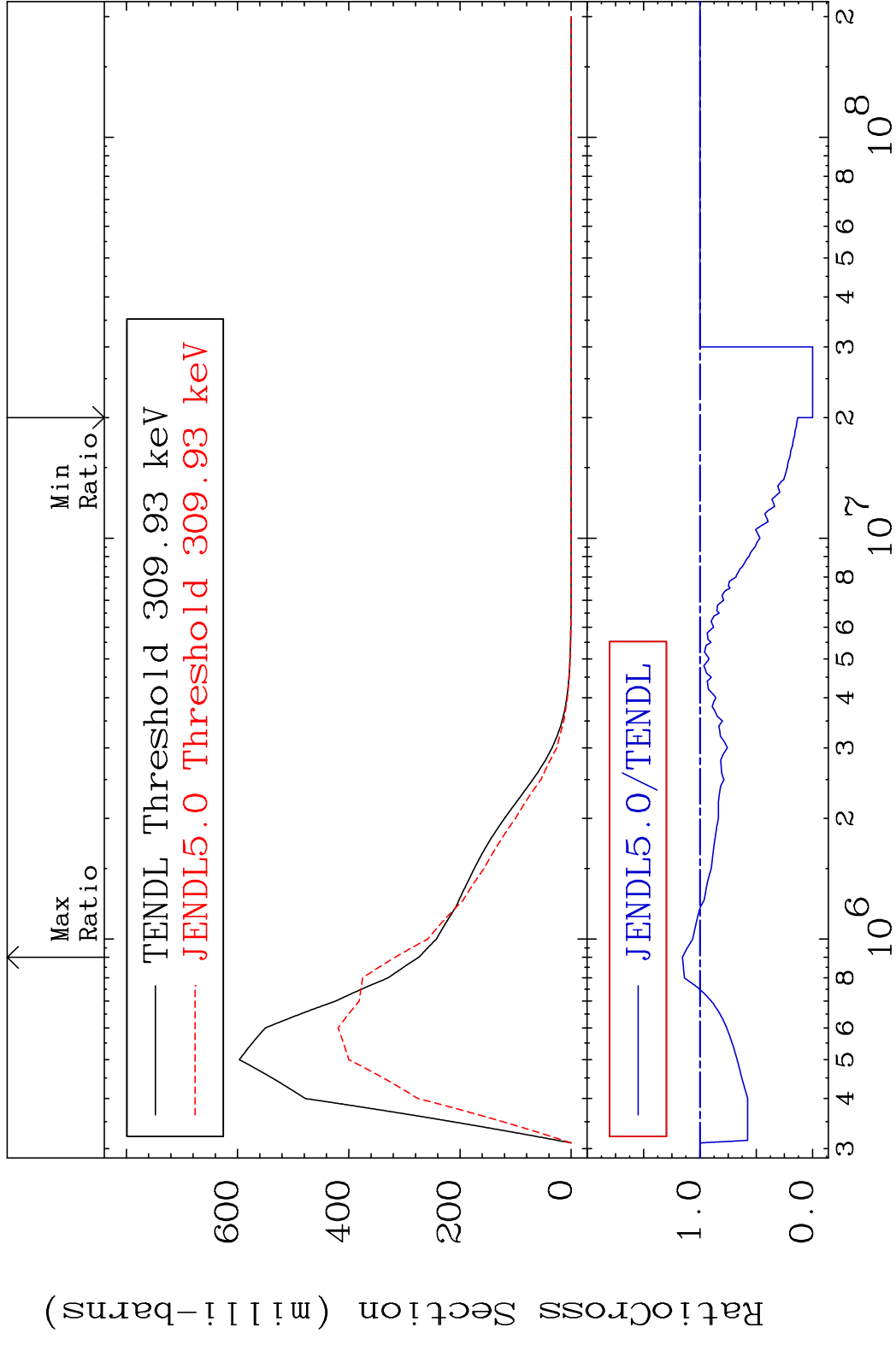


MAT 4440 MT= 51 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 19.19 %

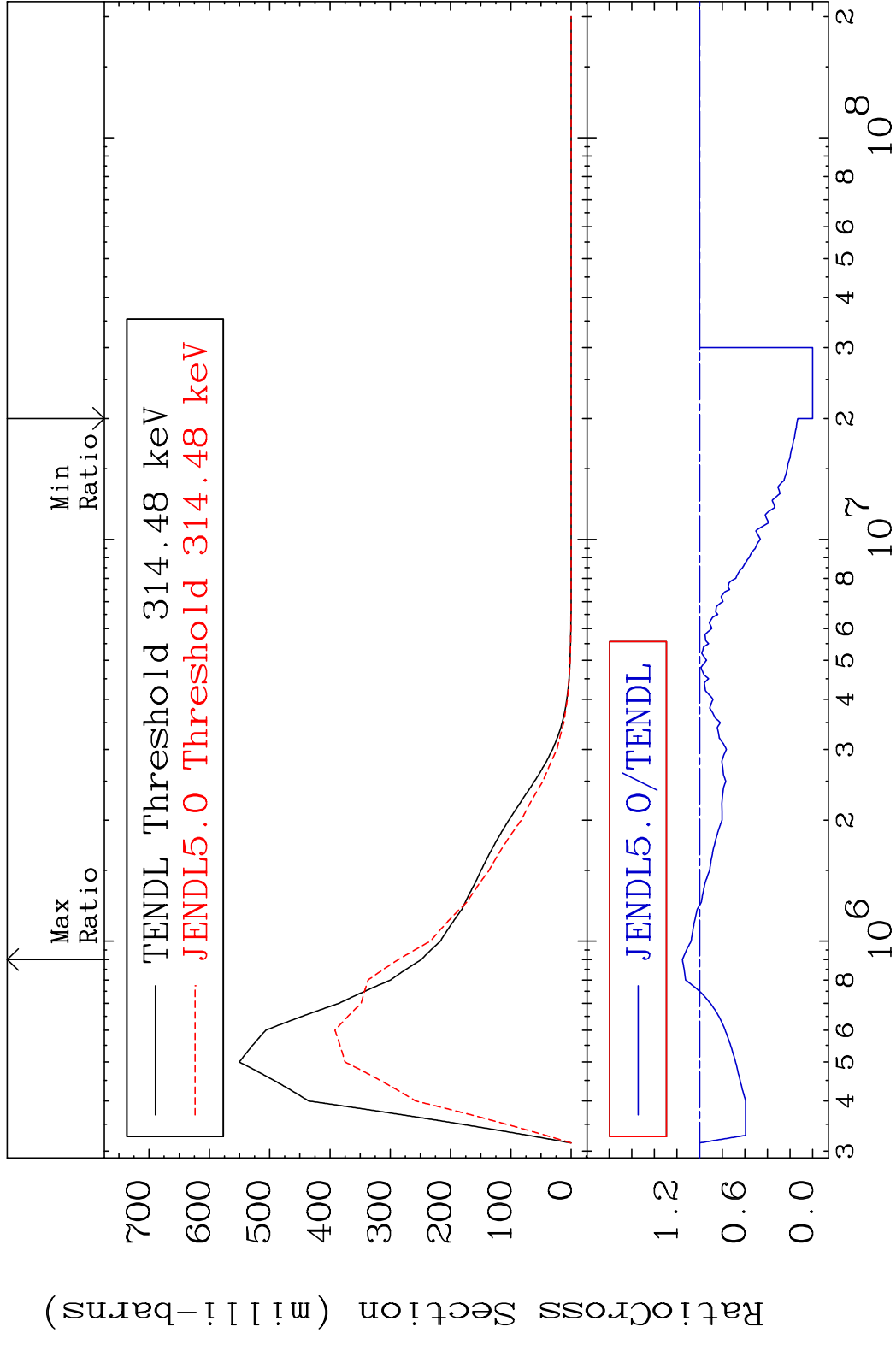


10 Incident Energy (eV) 44-Ru-101

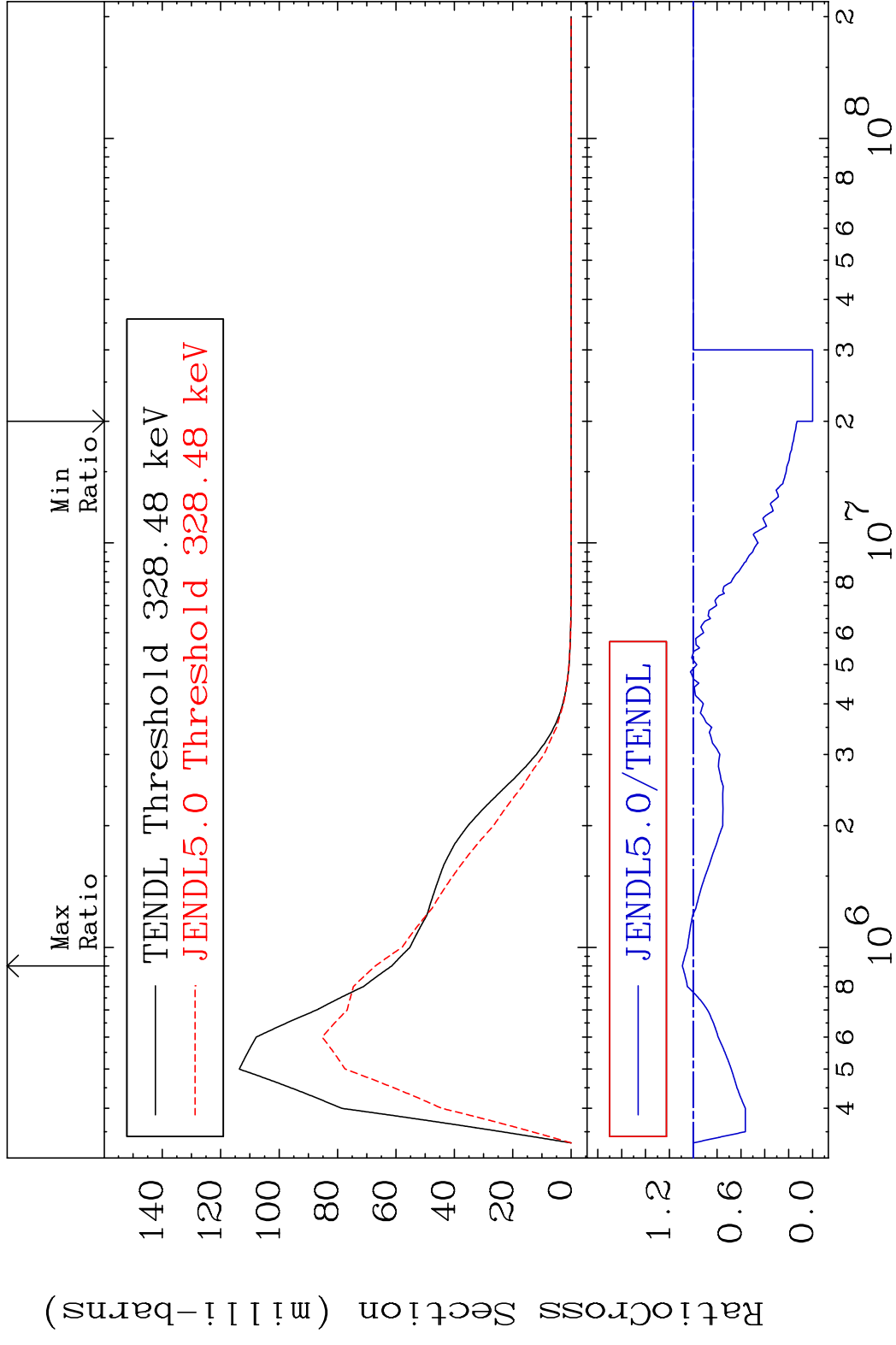
MAT 4440 MT= 52 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 15.65 %



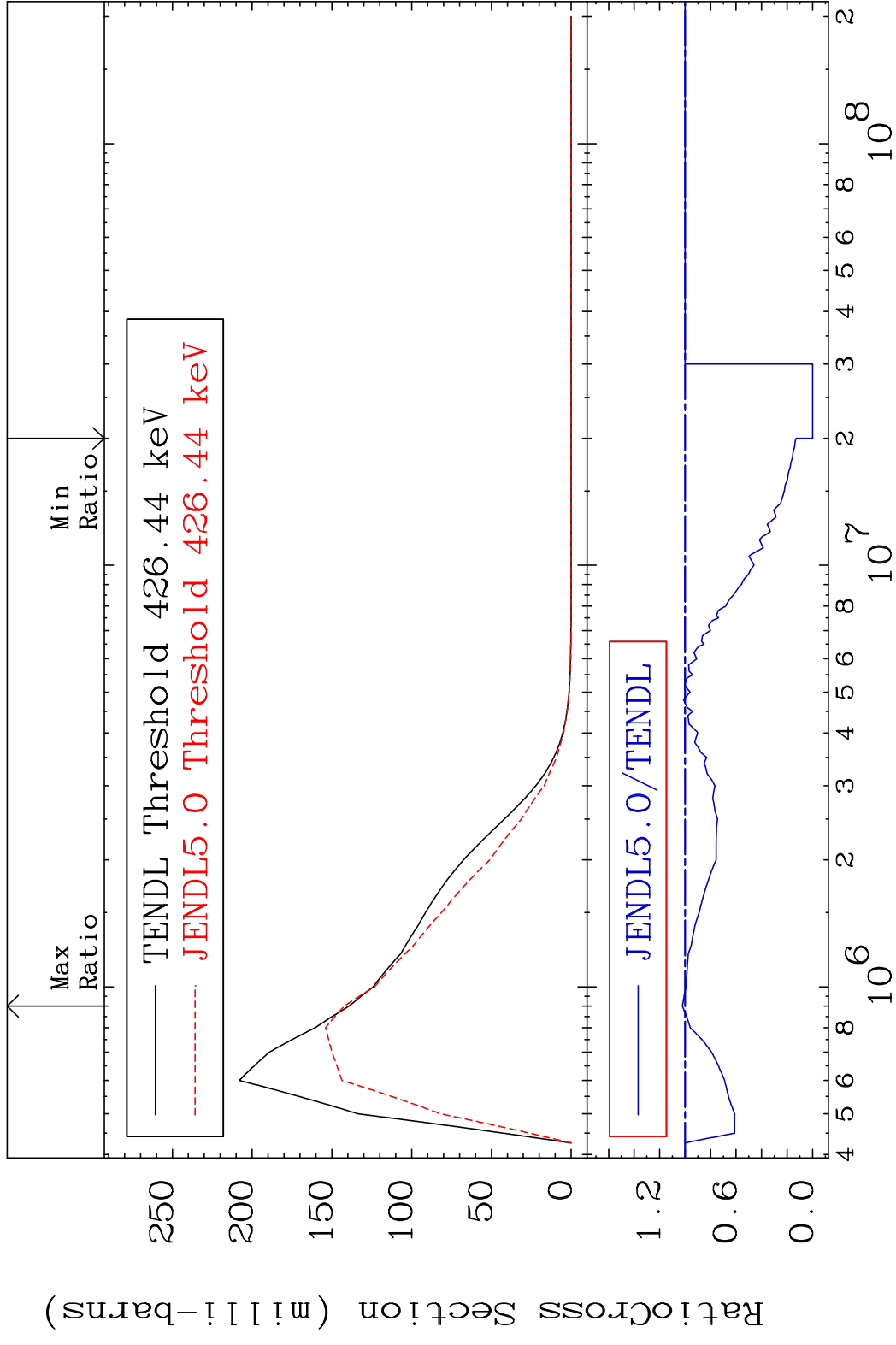
MAT 4440 MT= 53 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 15.27 %



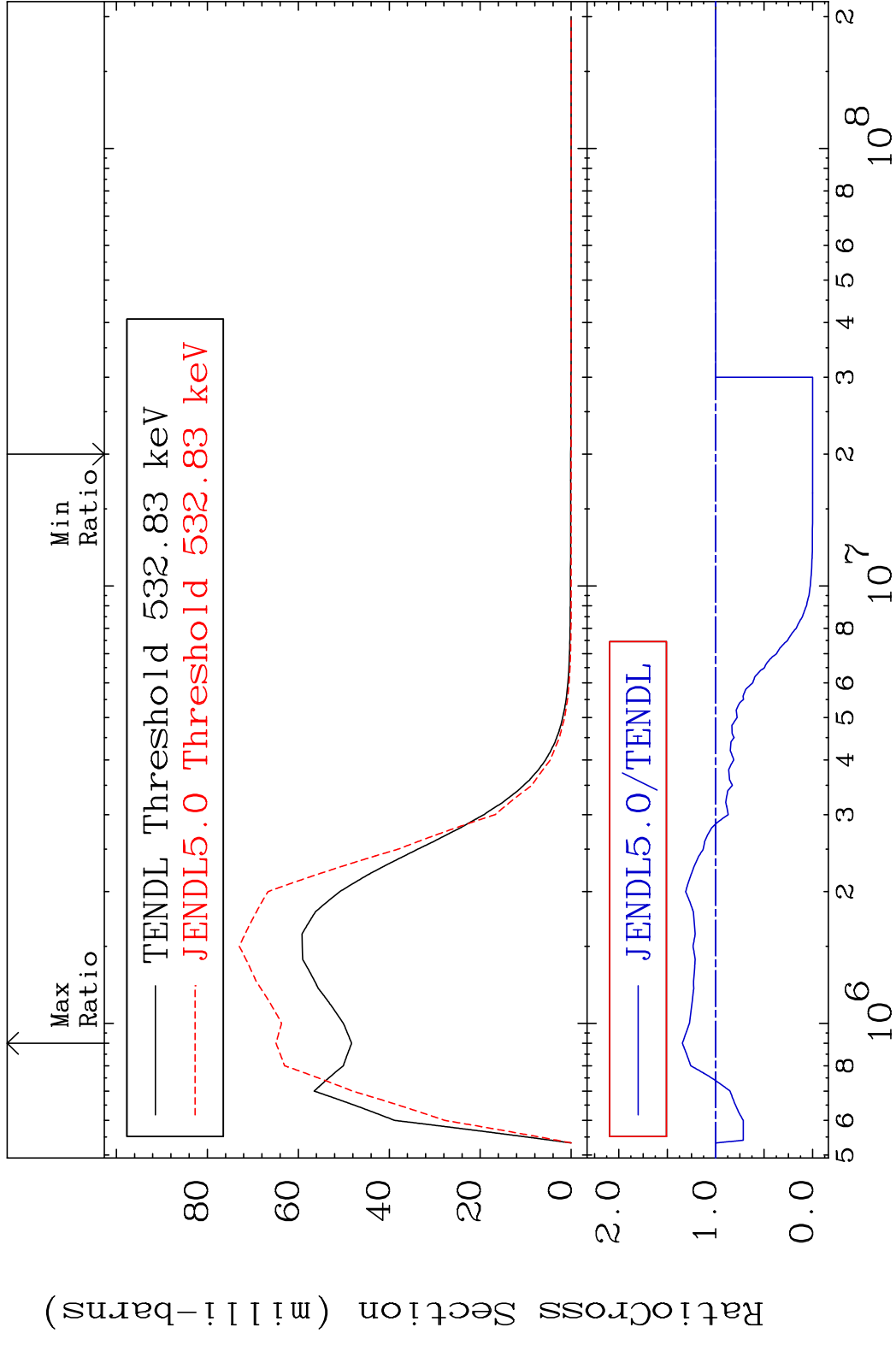
MAT 4440 MT= 54 (n,n') Level 44-Ru-101
 Cross Section -100.0 To 9.115 %



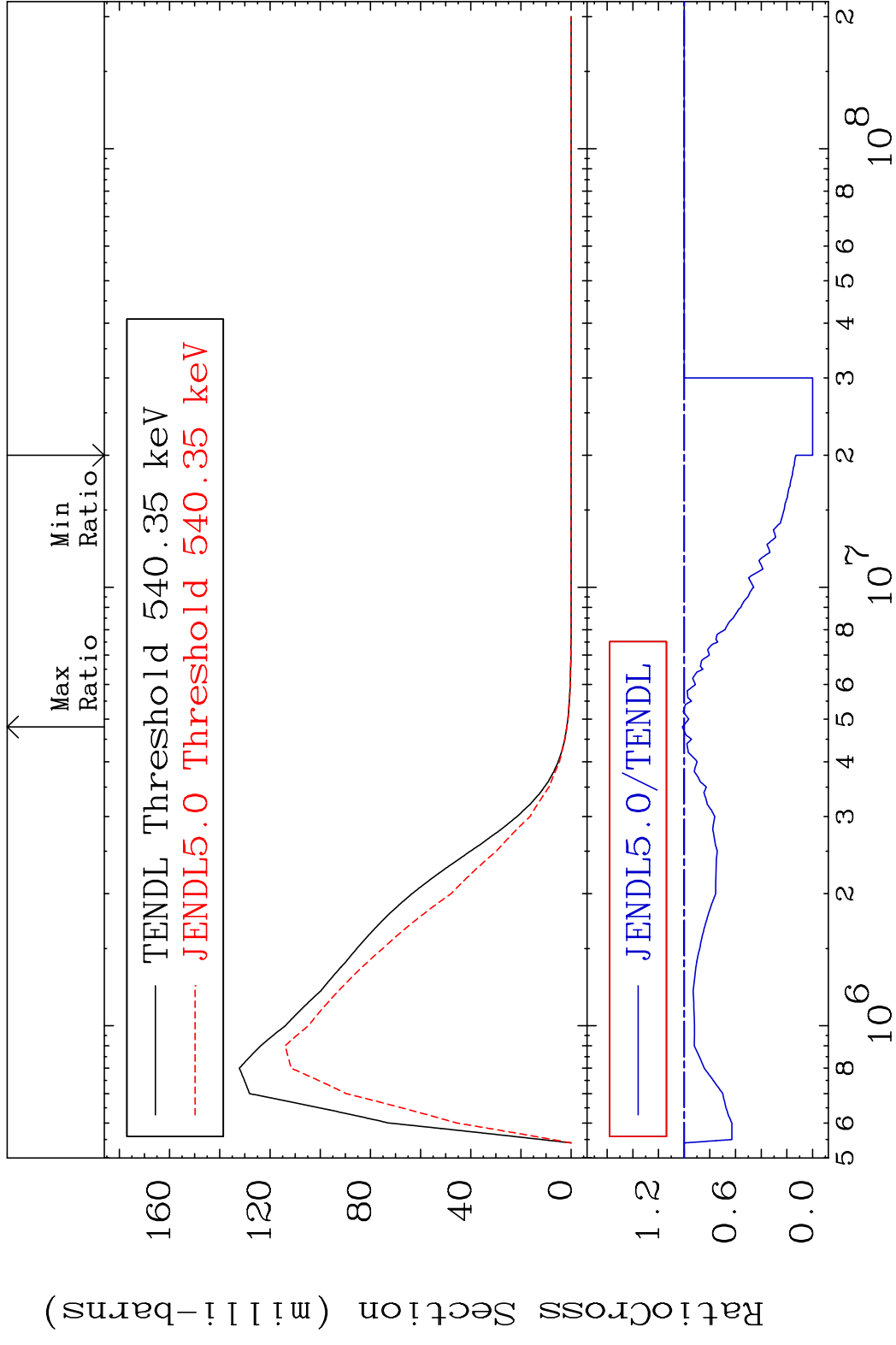
MAT 4440 MT= 55 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 2.156 %



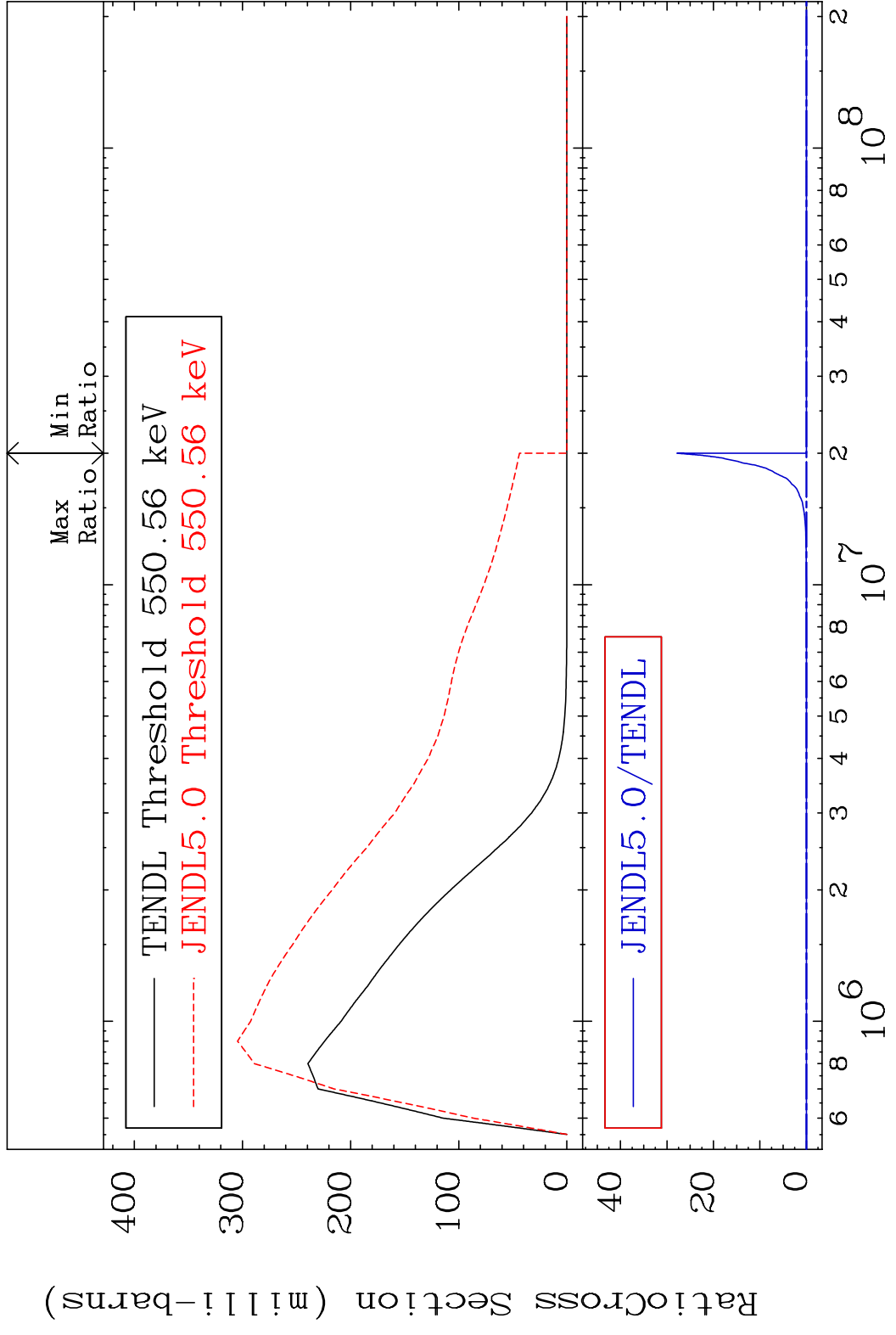
MAT 4440 MT= 56 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 34.44 %



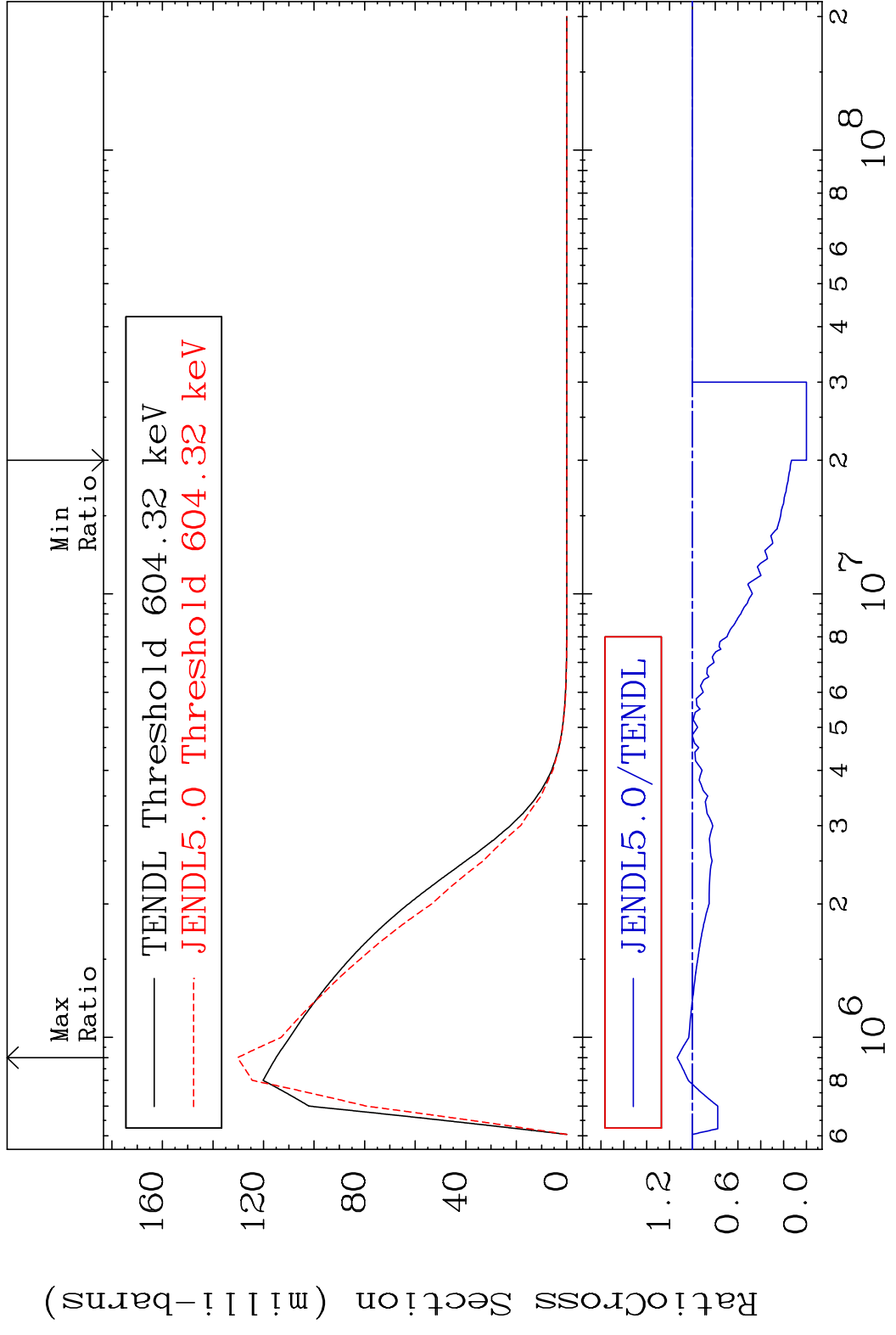
MAT 4440 MT= 57 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 1.405 %



MAT 4440 MT= 58 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 9999. %

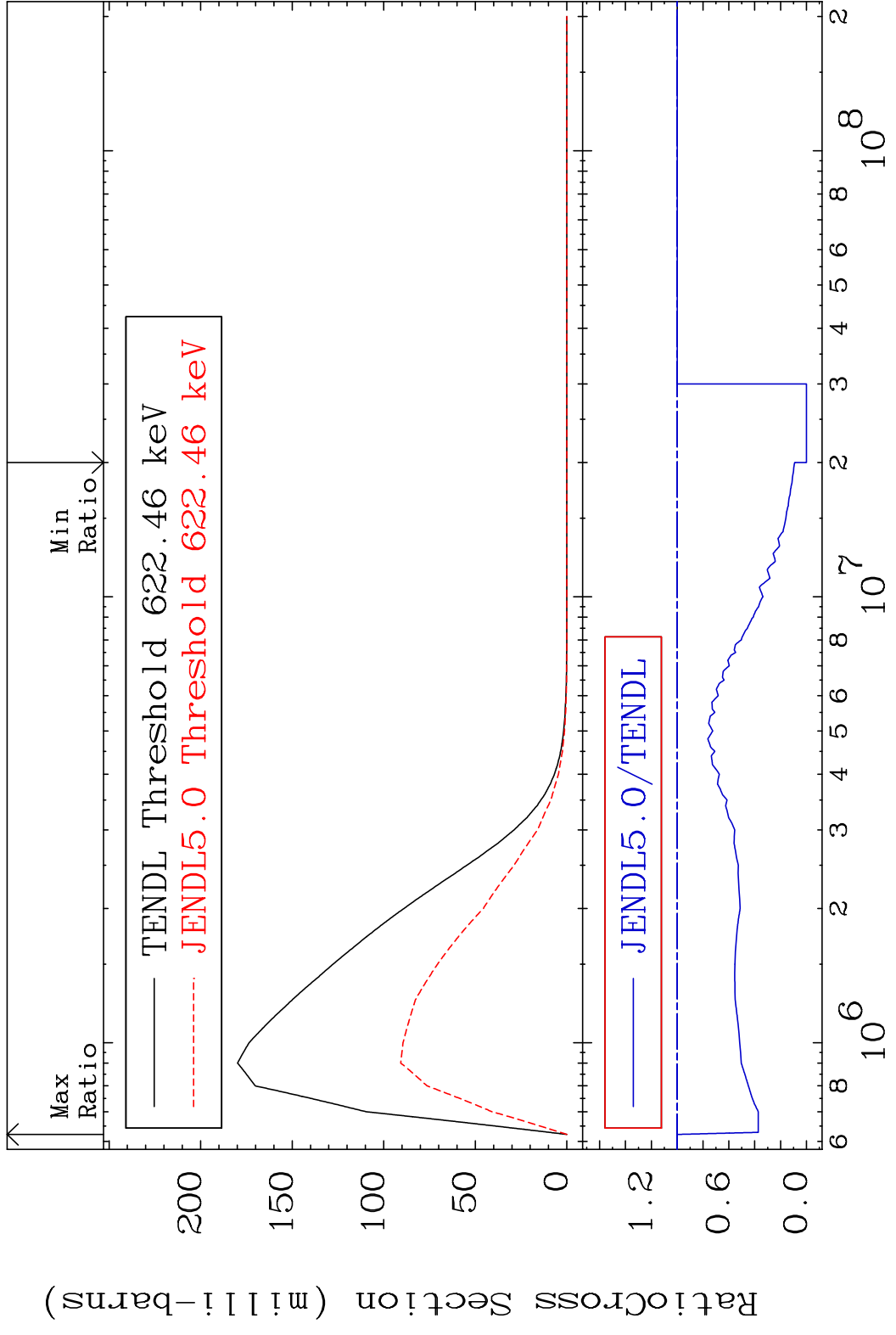


MAT 4440 MT= 59 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 13.26 %

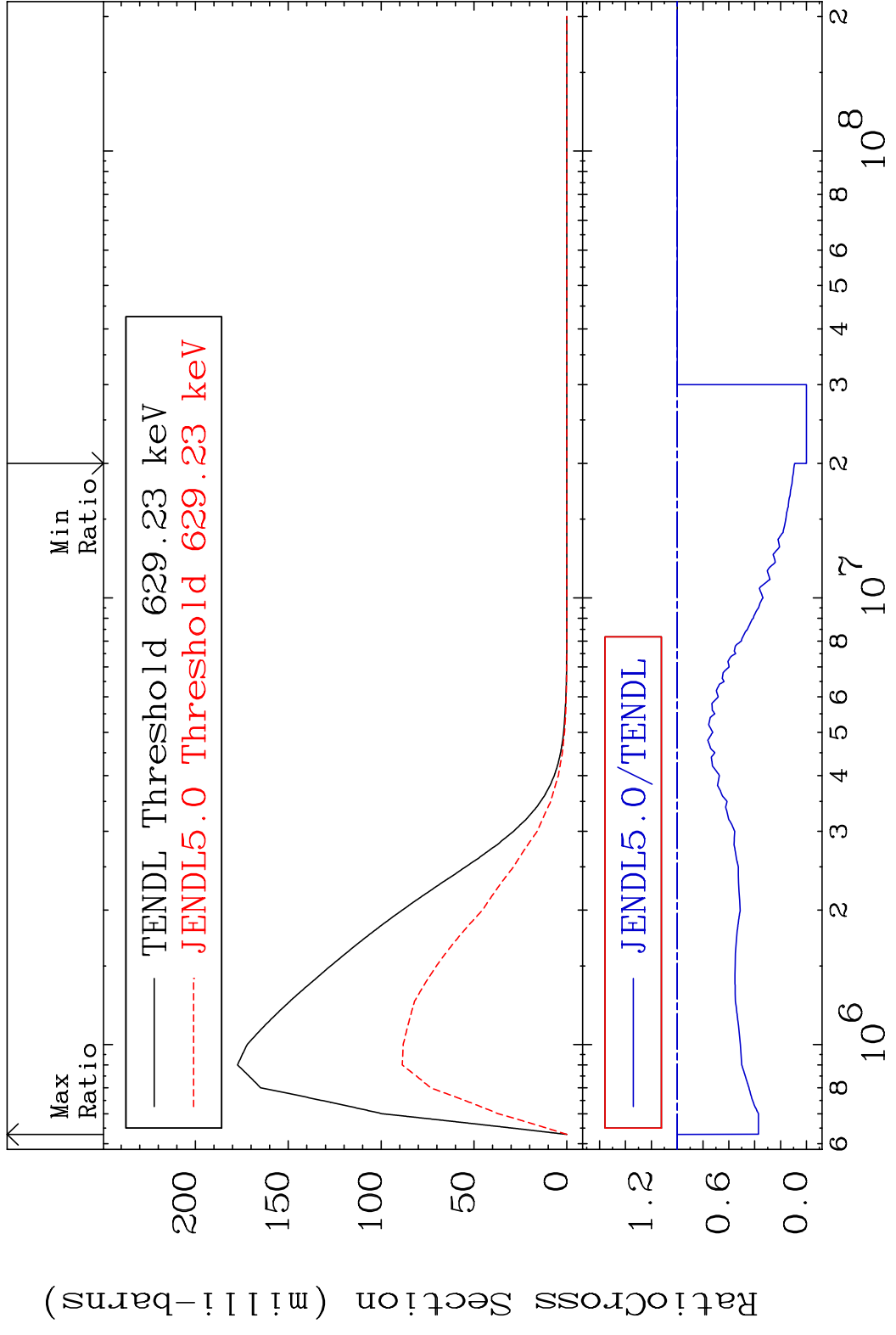


18 Incident Energy (eV) 44-Ru-101

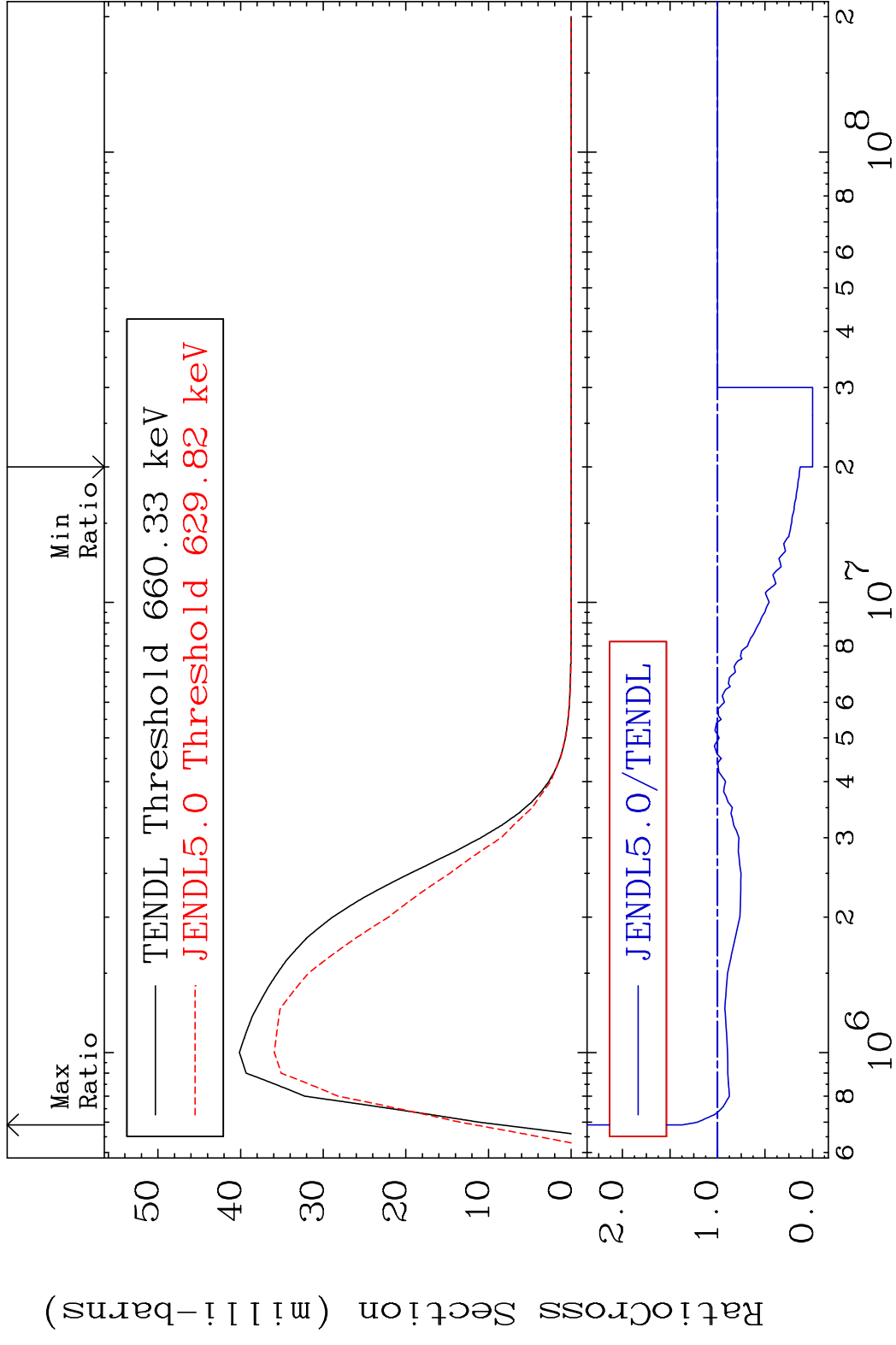
MAT 4440 MT= 60 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 0.000 %



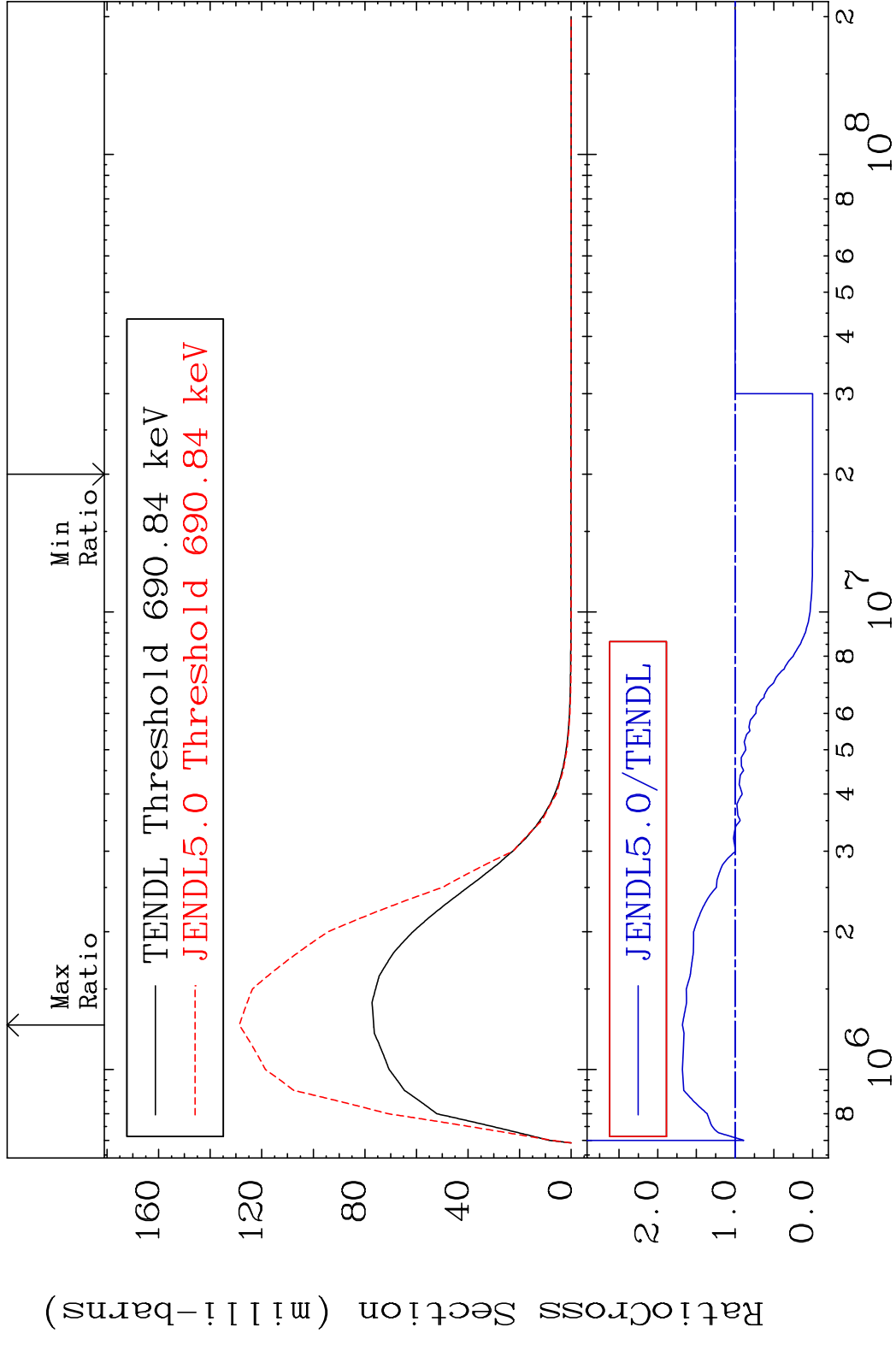
MAT 4440 MT= 61 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 0.000 %



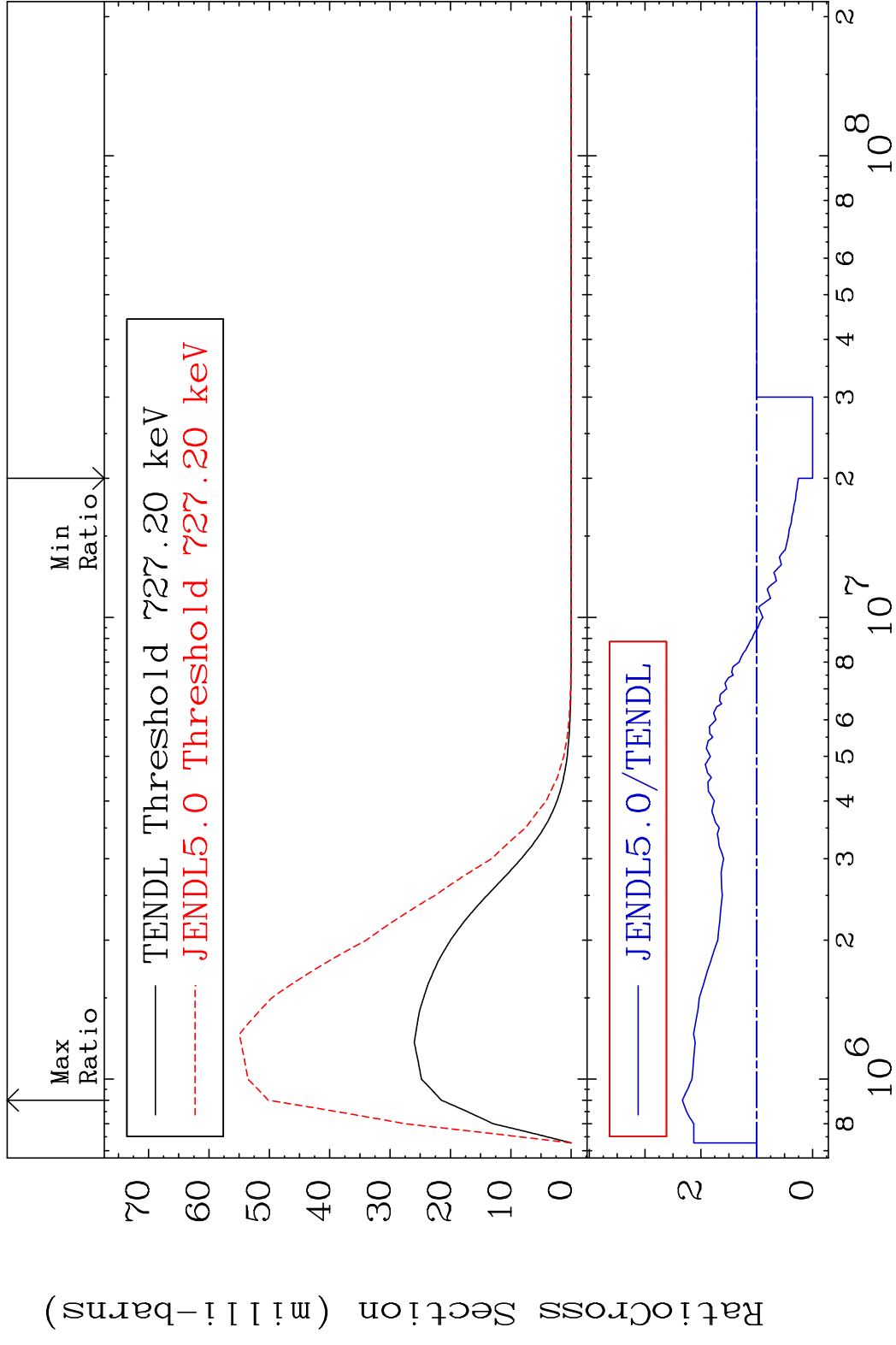
MAT 4440 MT= 62 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 37.02 %



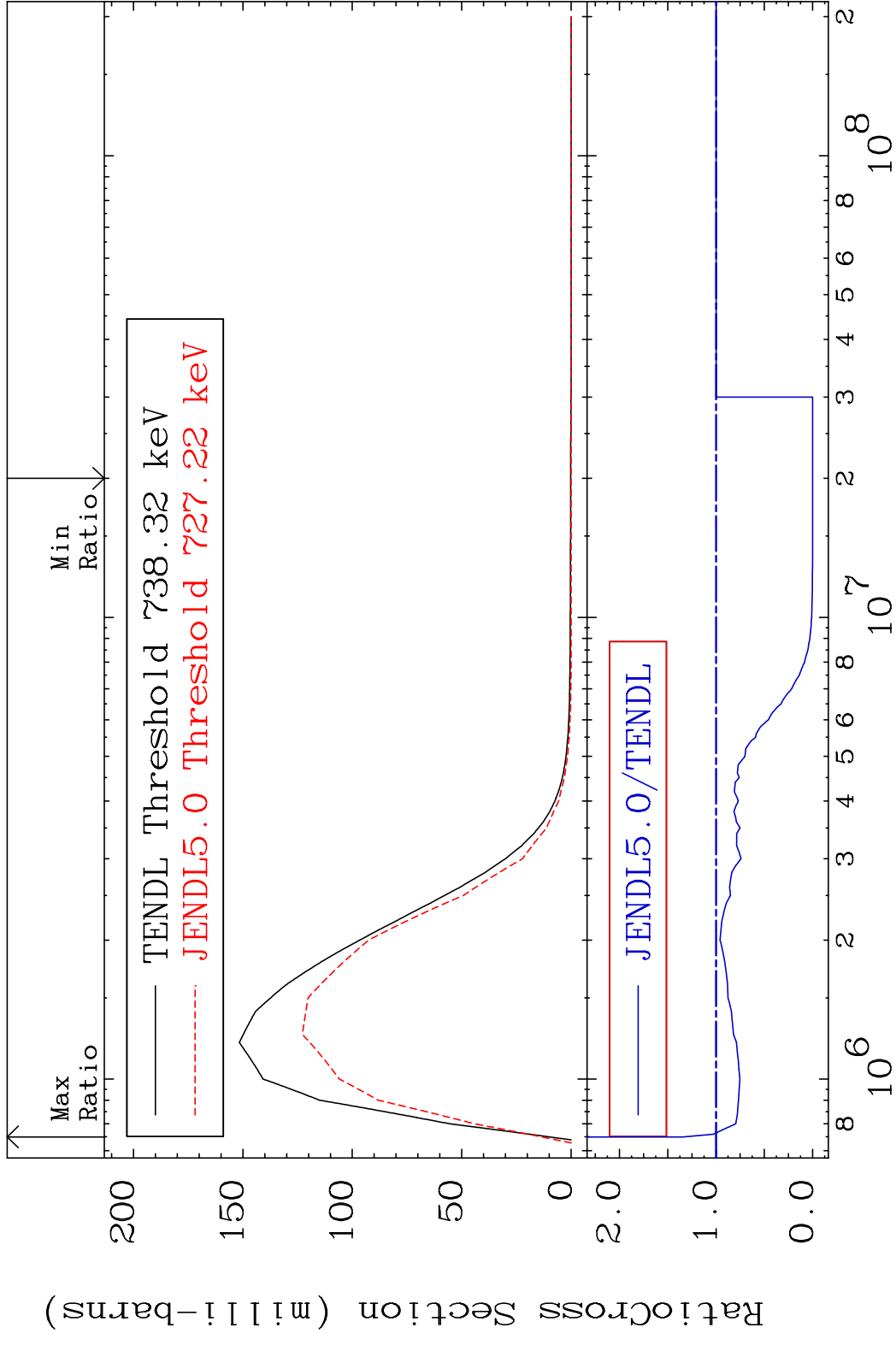
MAT 4440 MT= 63 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 68.11 %



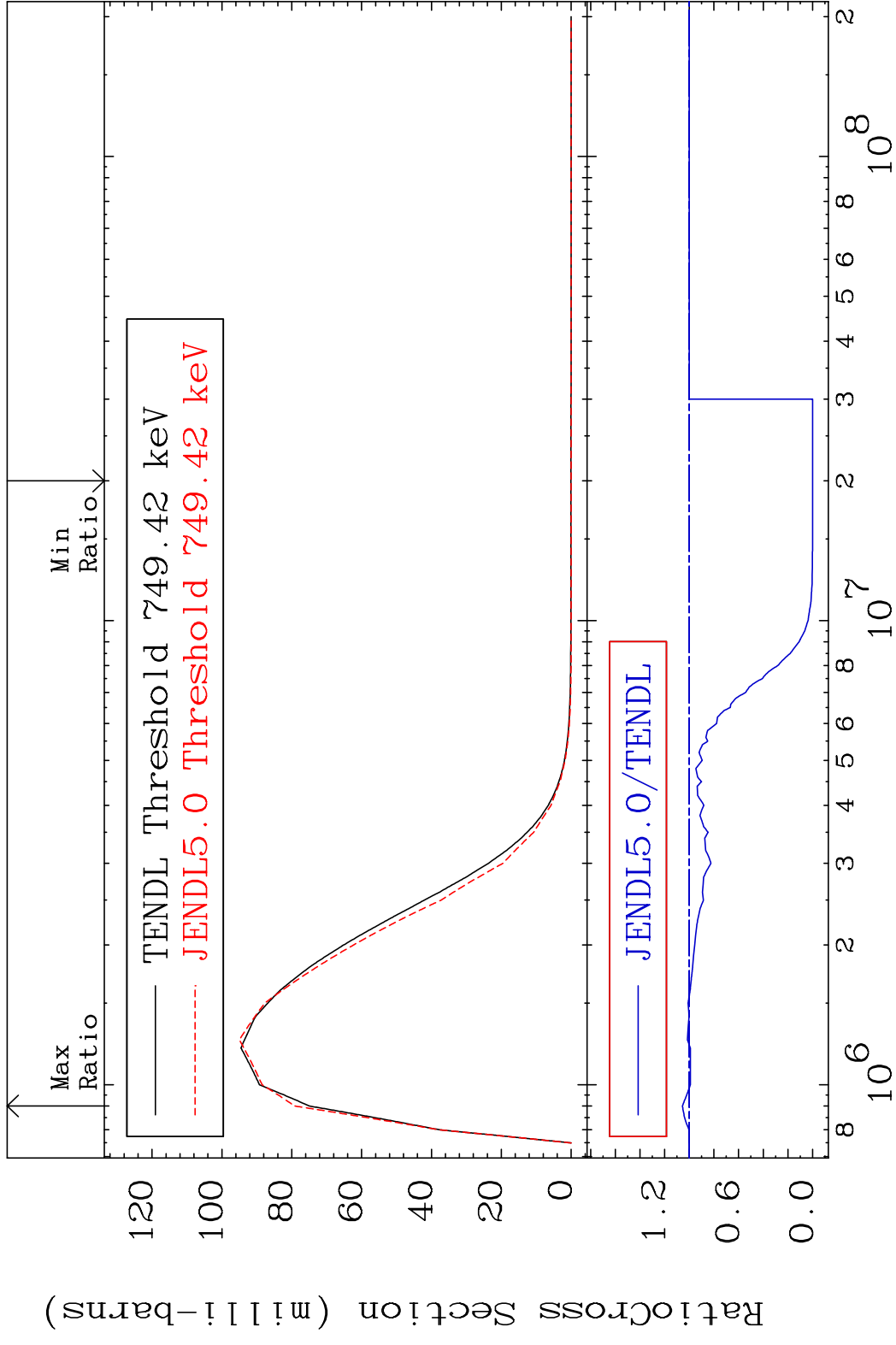
MAT 4440 MT= 64 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 133.3 %



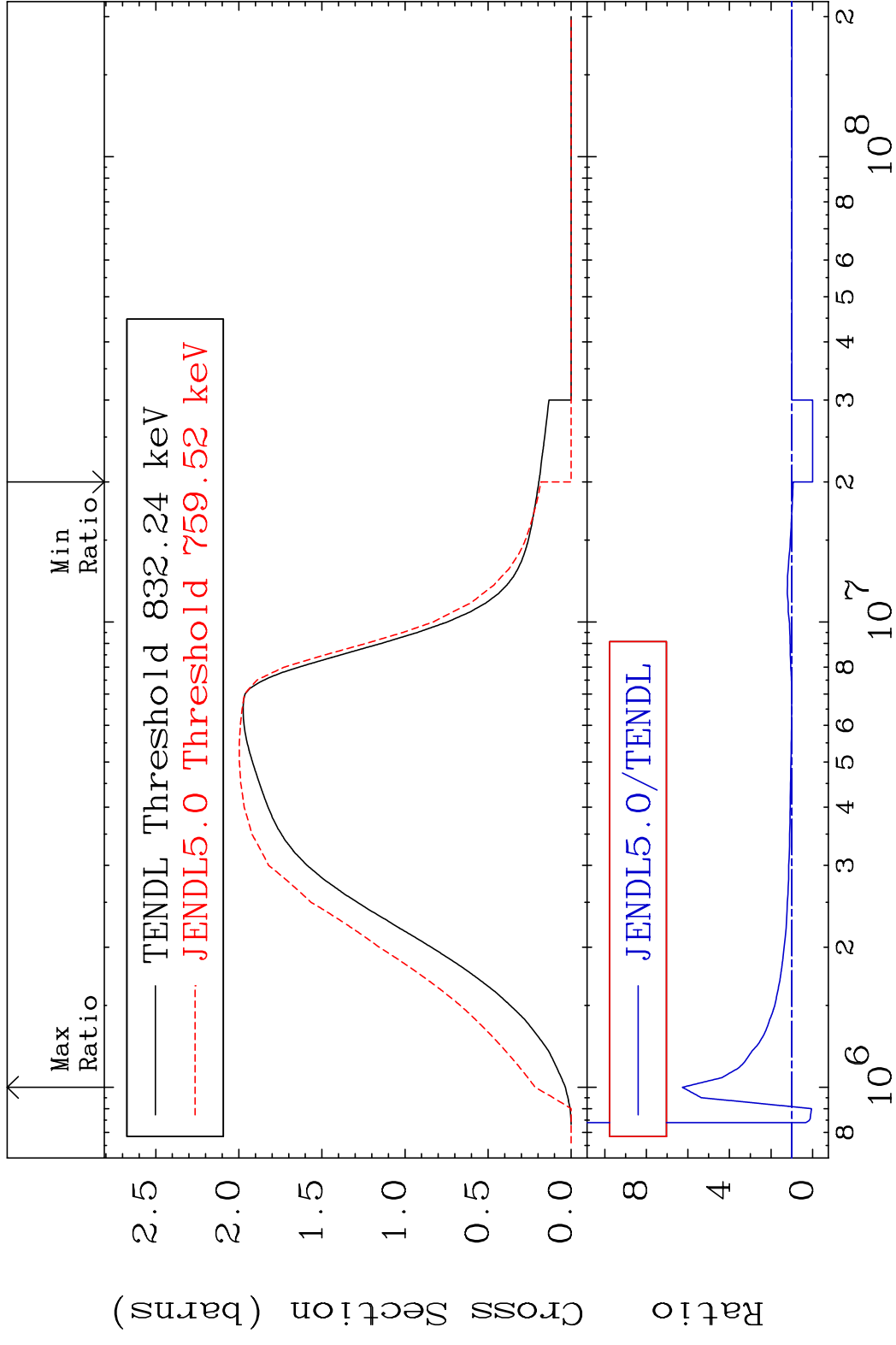
MAT 4440 MT= 65 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 34.89 %



MAT 4440 MT= 66 (n, n') Level 44-Ru-101
 Cross Section -100.0 To 5.616 %



MAT 4440 (n, n') Continuum 44-Ru-101
 Cross Section -100.0 To 526.8 %

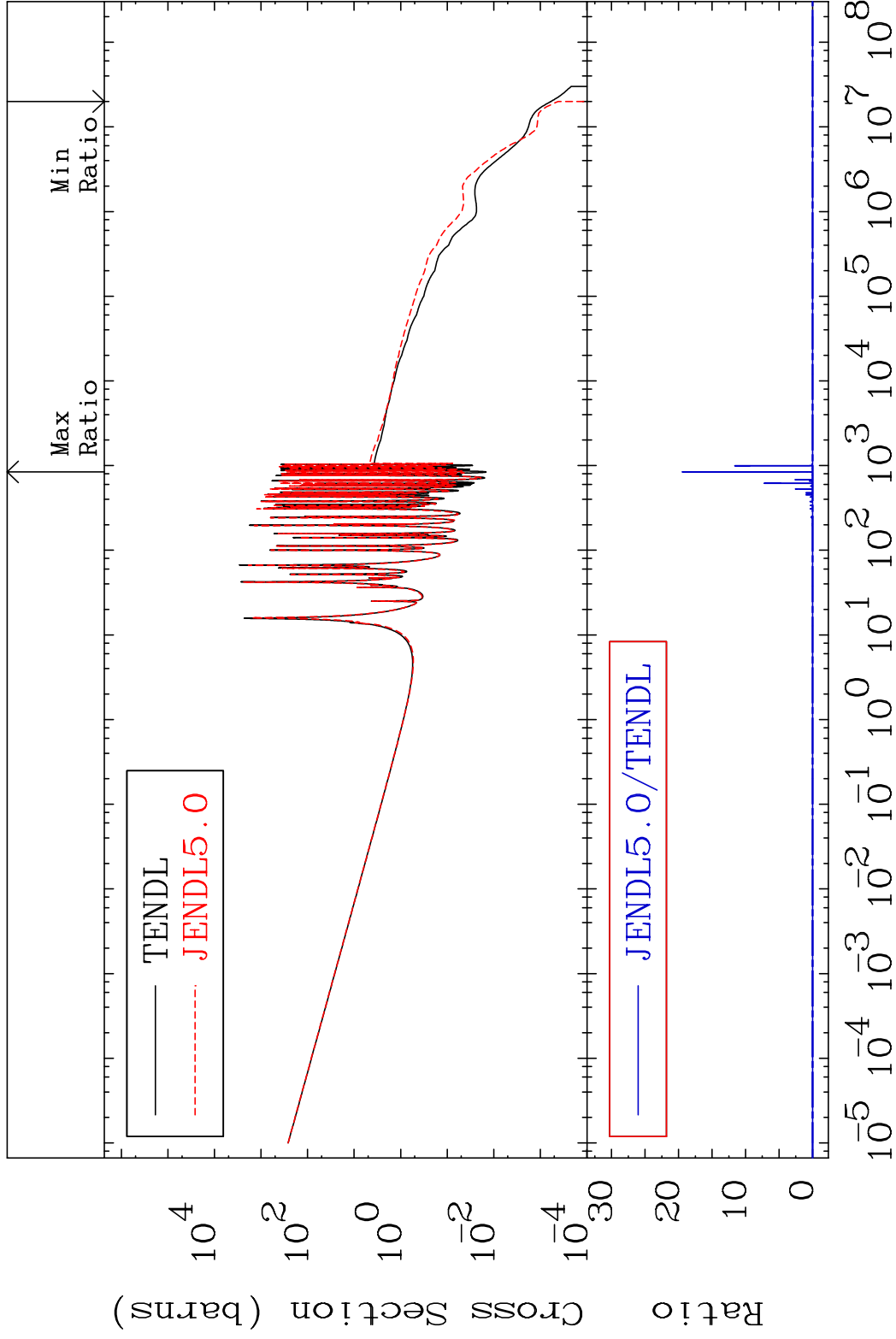


MAT 4440

(n, γ)

44-Ru-101

Cross Section -100.0 To 9999. %

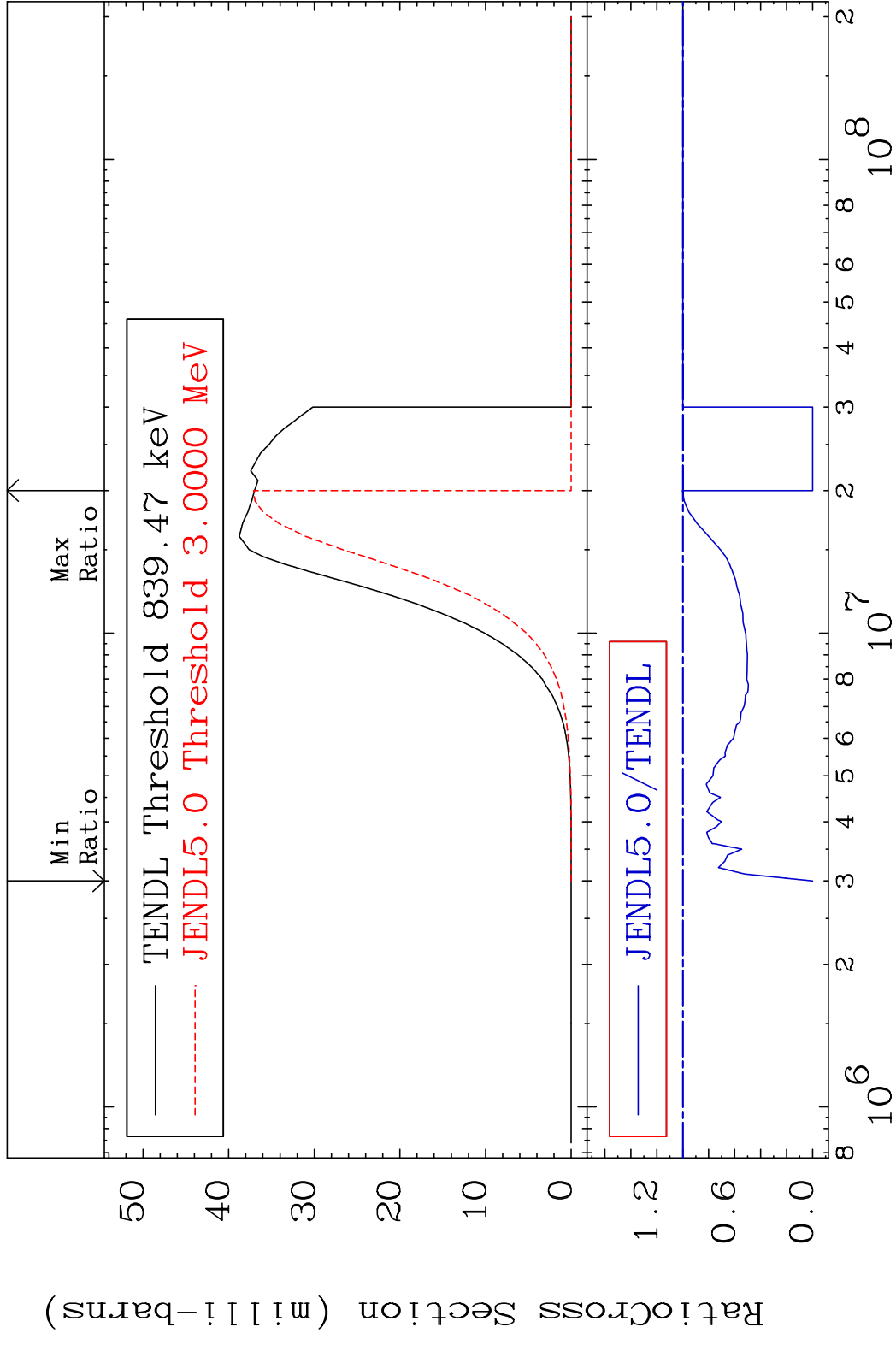


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Incident Energy (eV)

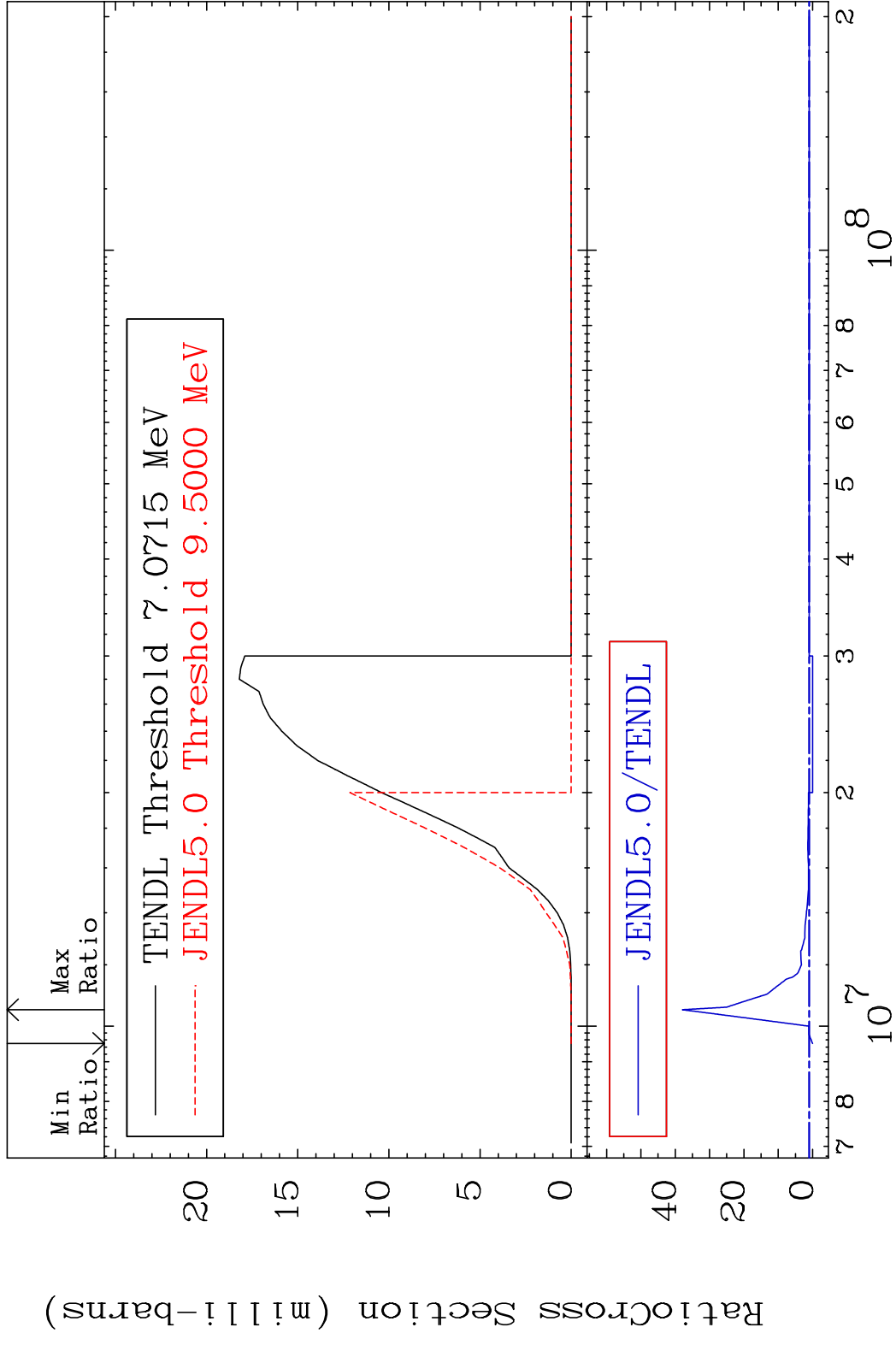
44-Ru-101

MAT 4440 (n,p) 44-Ru-101
 Cross Section -100.0 To 0.306 %

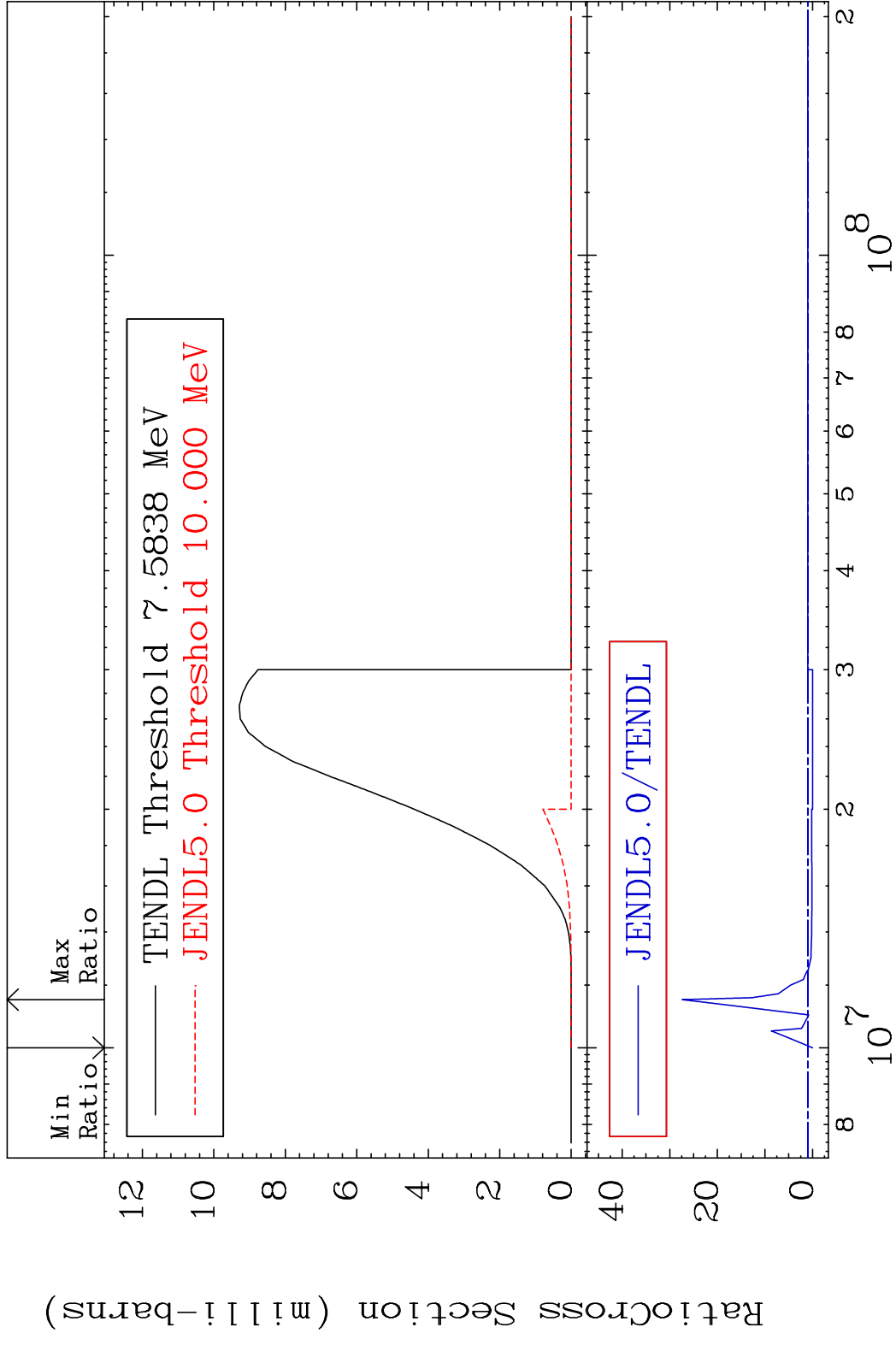


28 44-Ru-101

MAT 4440 (n,d) 44-Ru-101
 Cross Section -100.0 To 3692. %

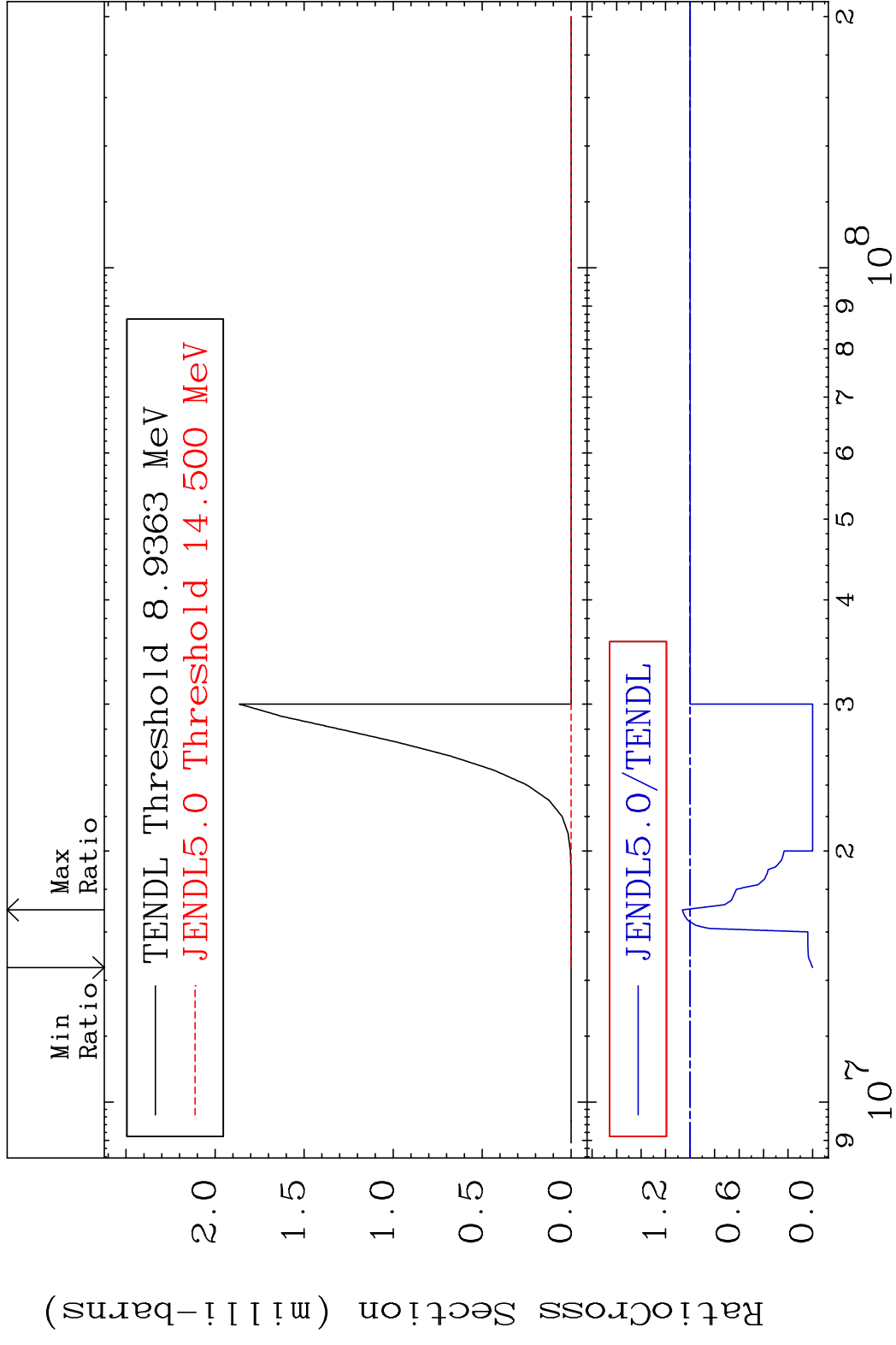


MAT 4440 (n, t) 44-Ru-101
 Cross Section -100.0 To 2636. %

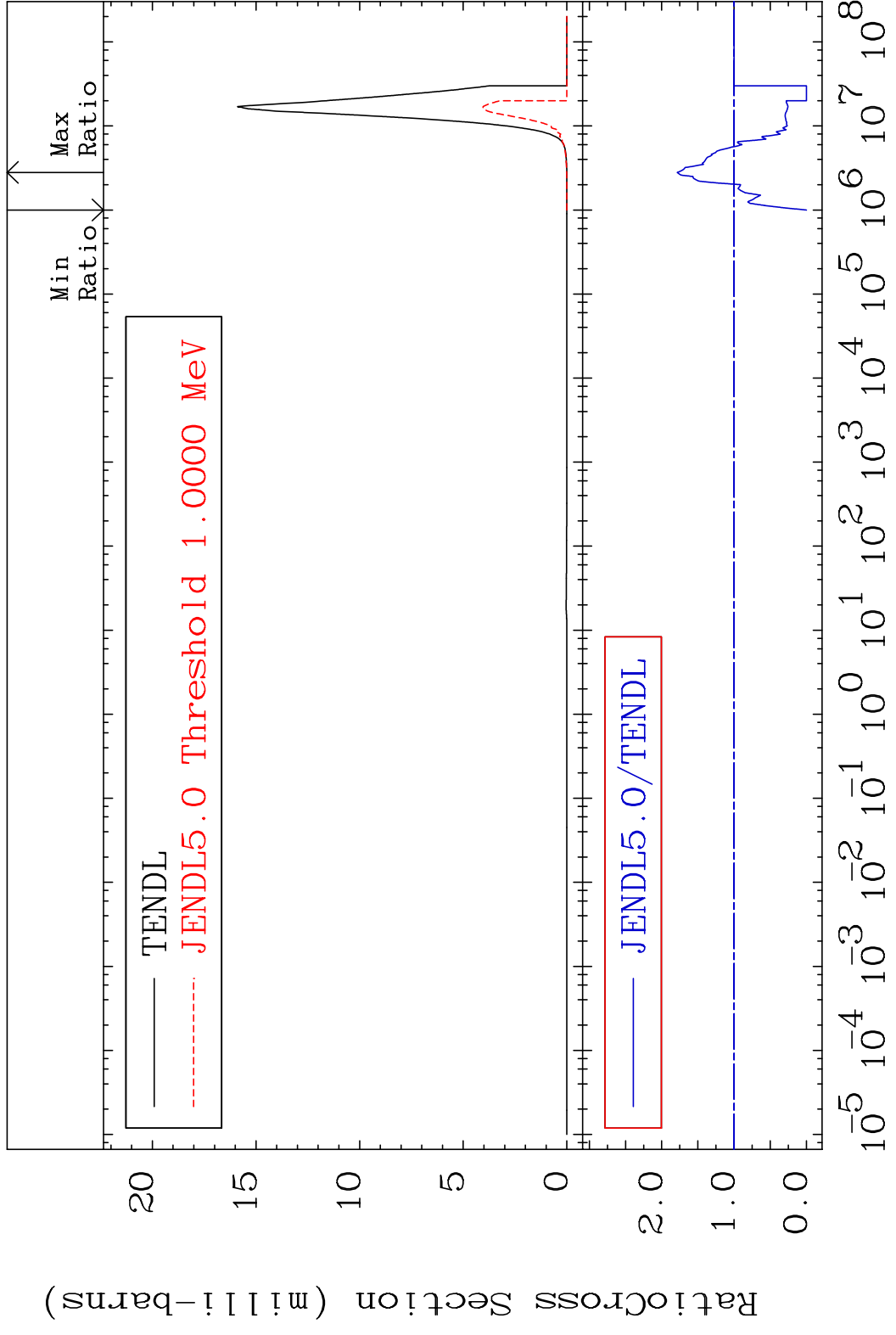


30 Incident Energy (eV) 44-Ru-101

MAT 4440 (n, He-3) 44-Ru-101
 Cross Section -100.0 To 6.323 %

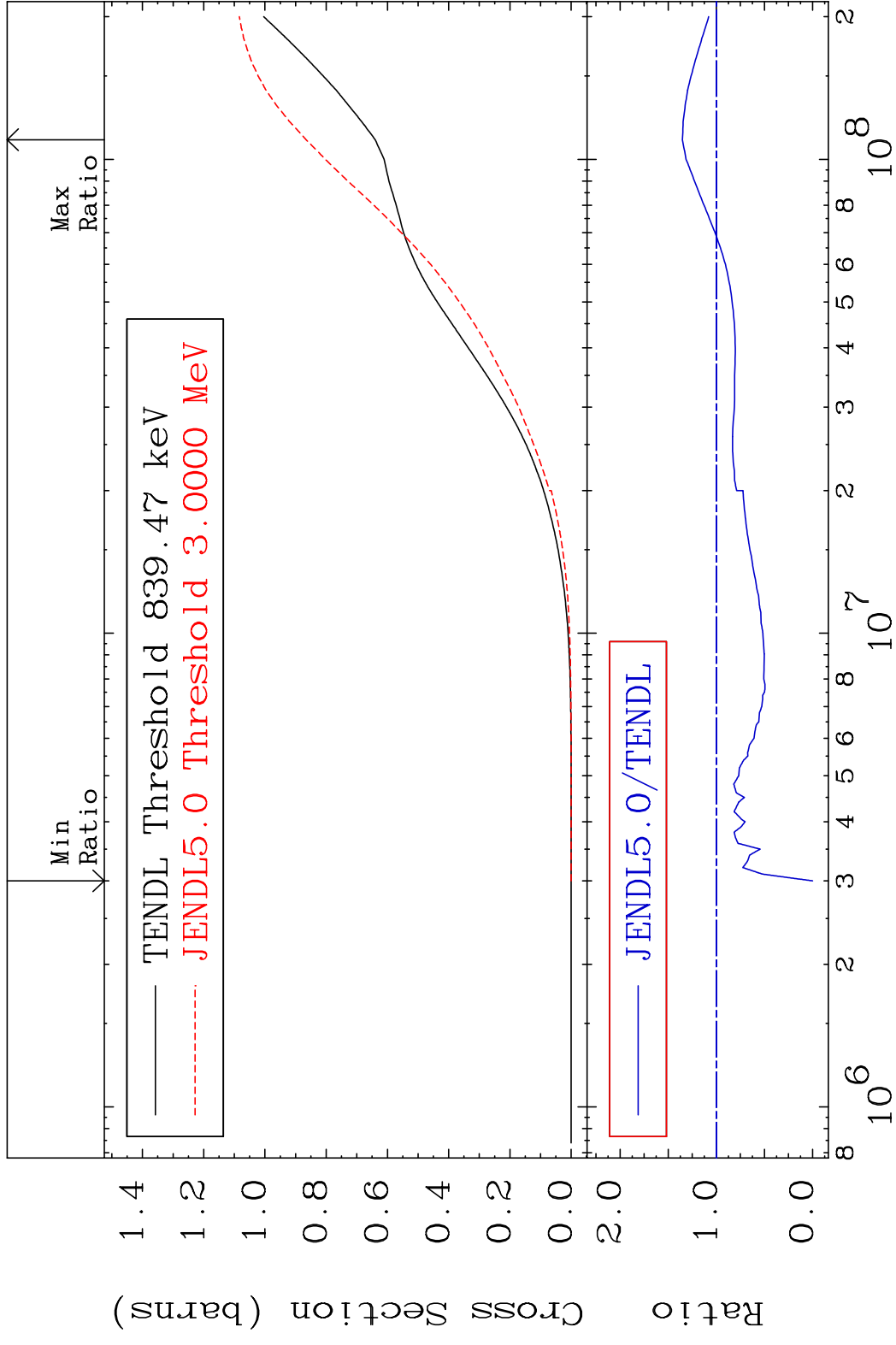


MAT 4440 (n, α) 44-Ru-101
 Cross Section -100.0 To 78.60 %



MAT 4440

Hydrogen Production
Cross Section -100.0 To 35.30 %
44-Ru-101

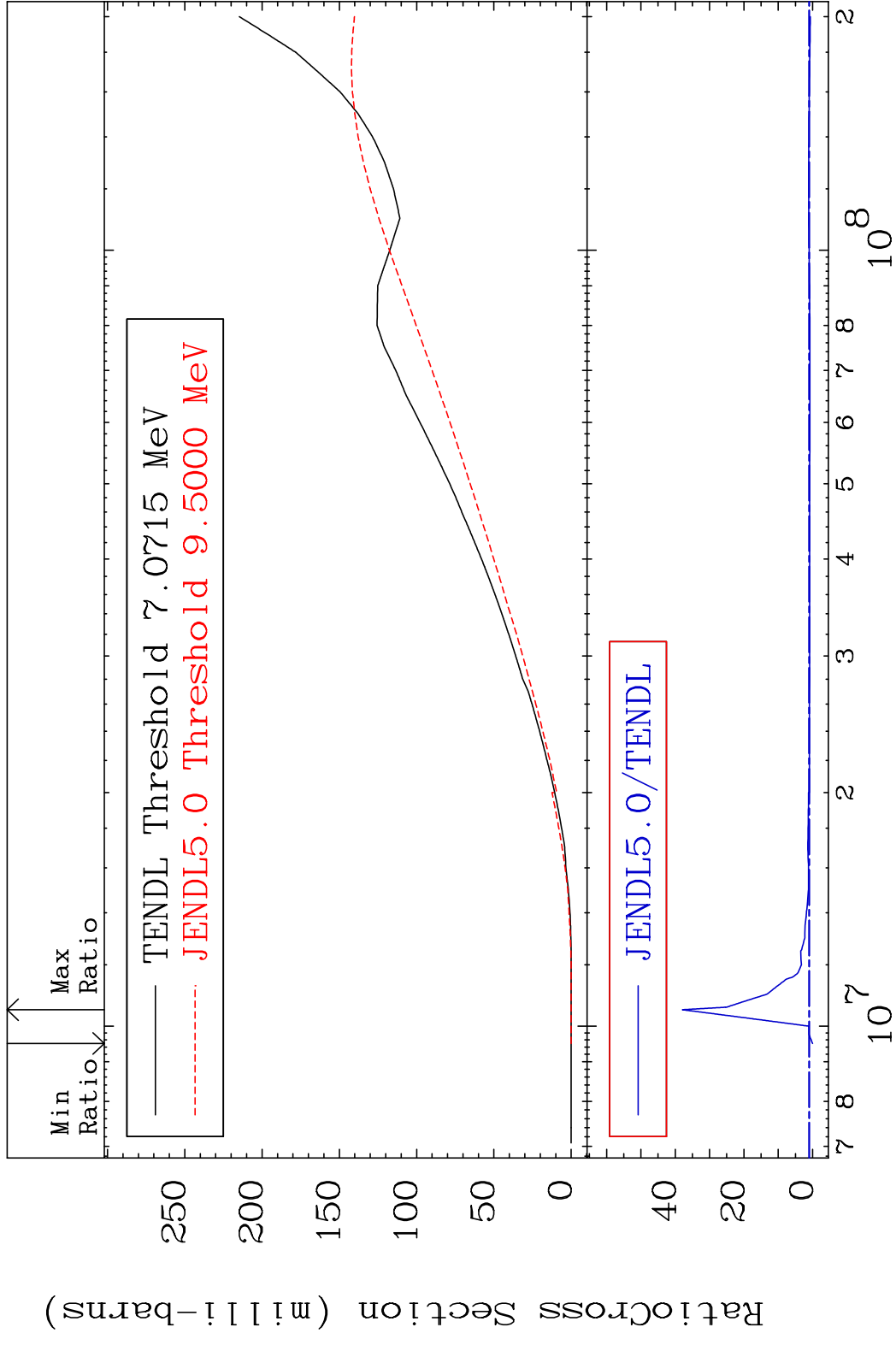


33

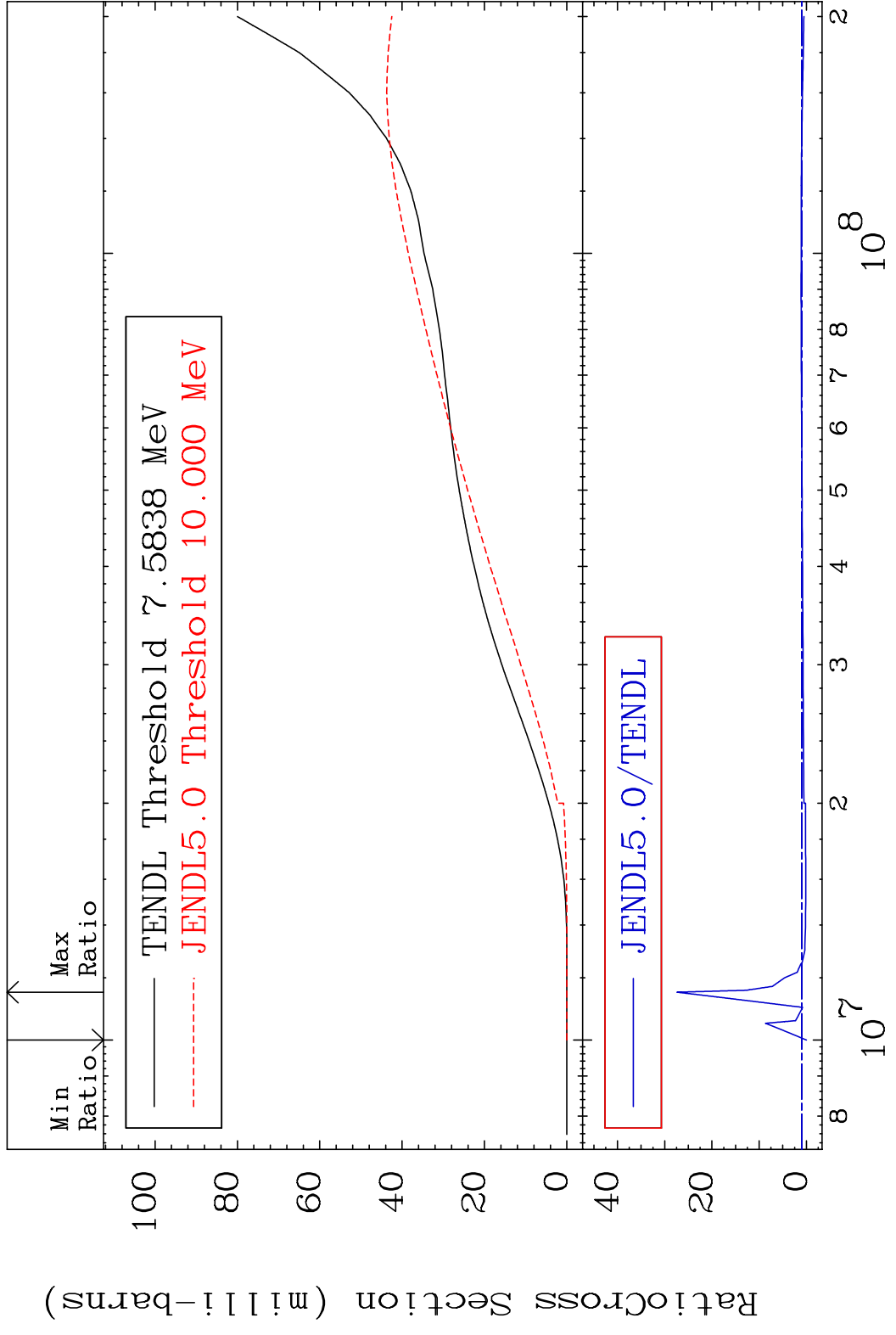
Incident Energy (eV)

44-Ru-101

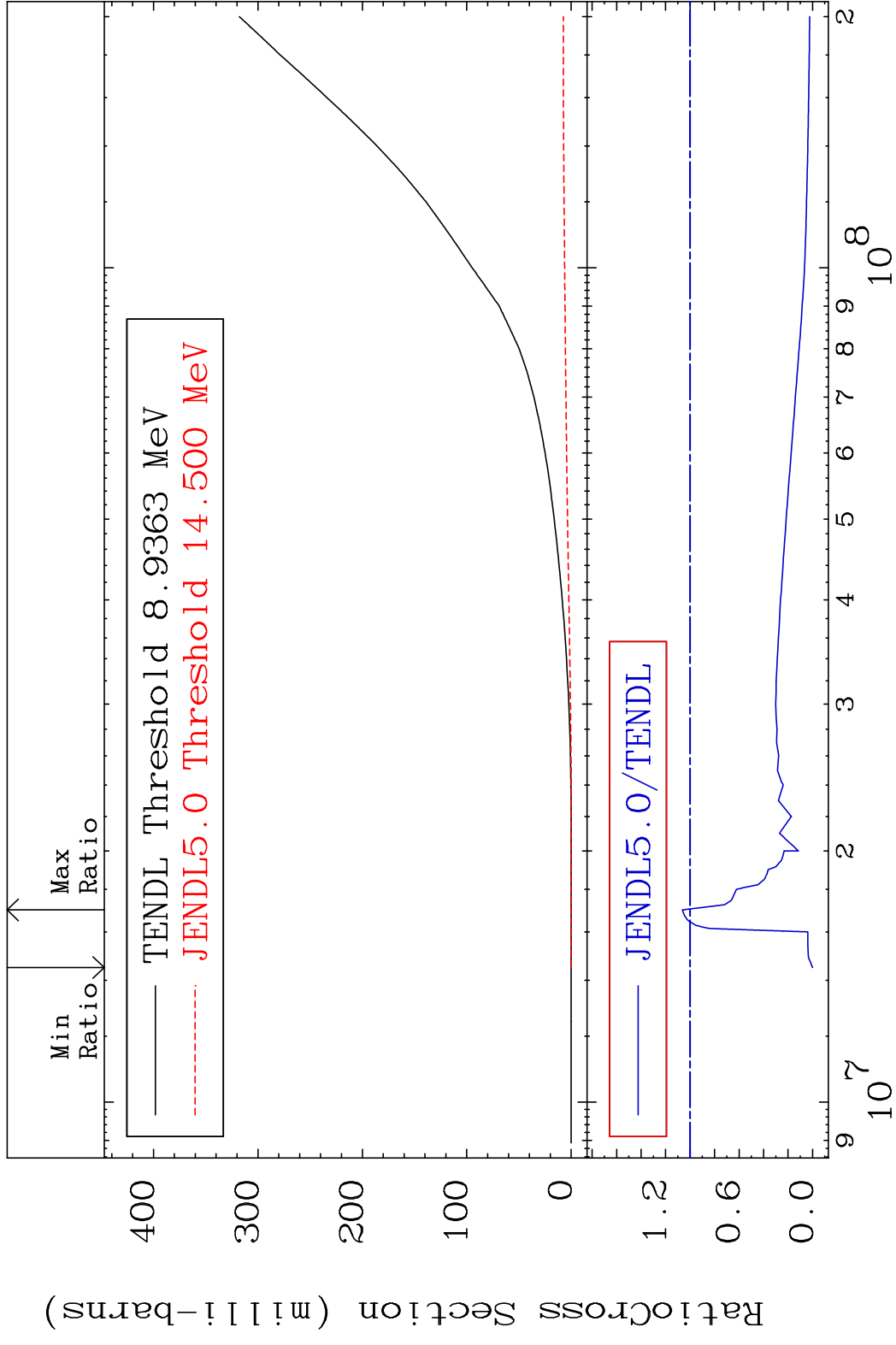
MAT 4440 Deuterium Production 44-Ru-101
 Cross Section -100.0 To 3692. %



MAT 4440 Tritium Production 44-Ru-101
 Cross Section -100.0 To 2636. %



MAT 4440 He-3 Production 44-Ru-101
 Cross Section -100.0 To 6.323 %

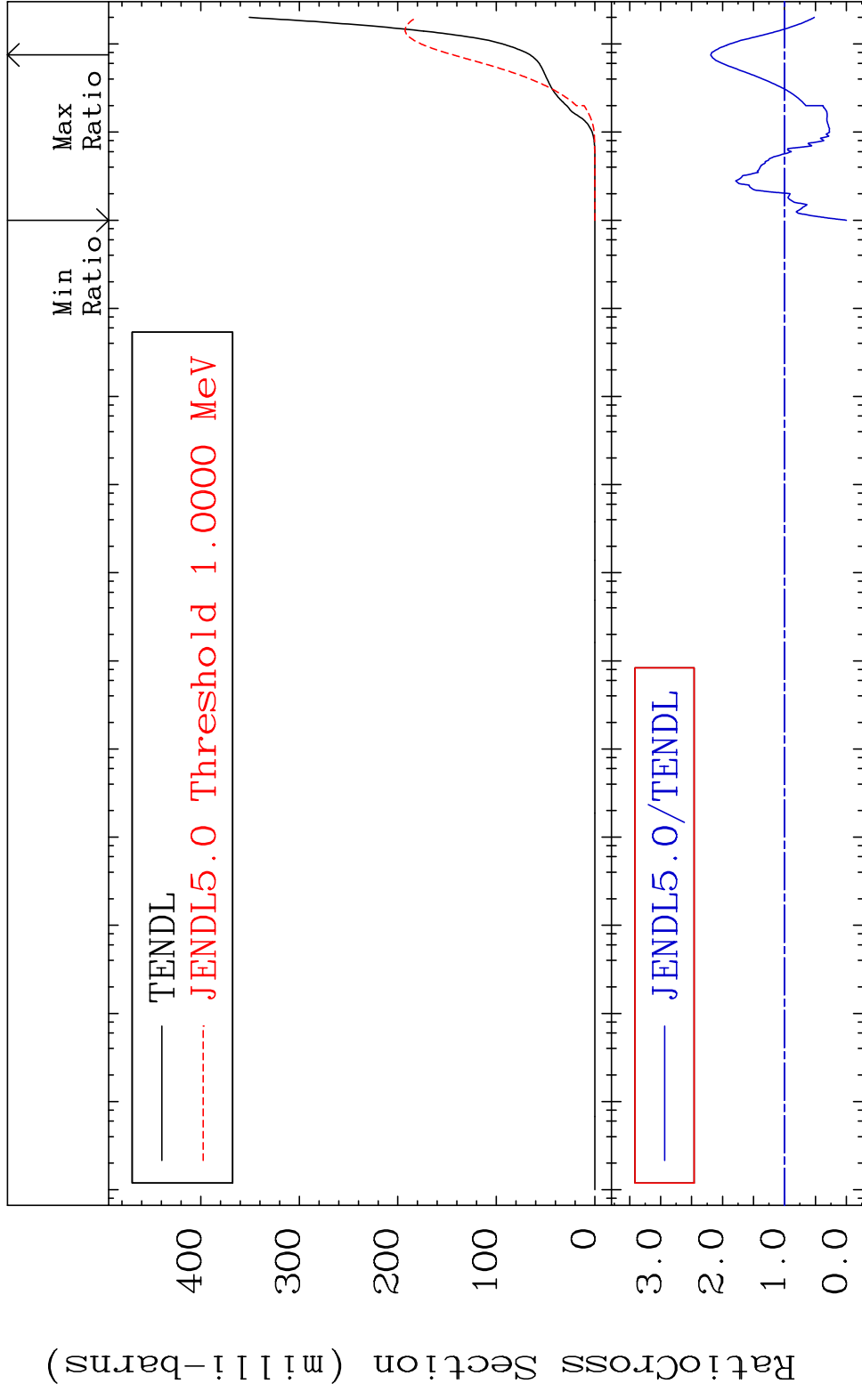


MAT 4440

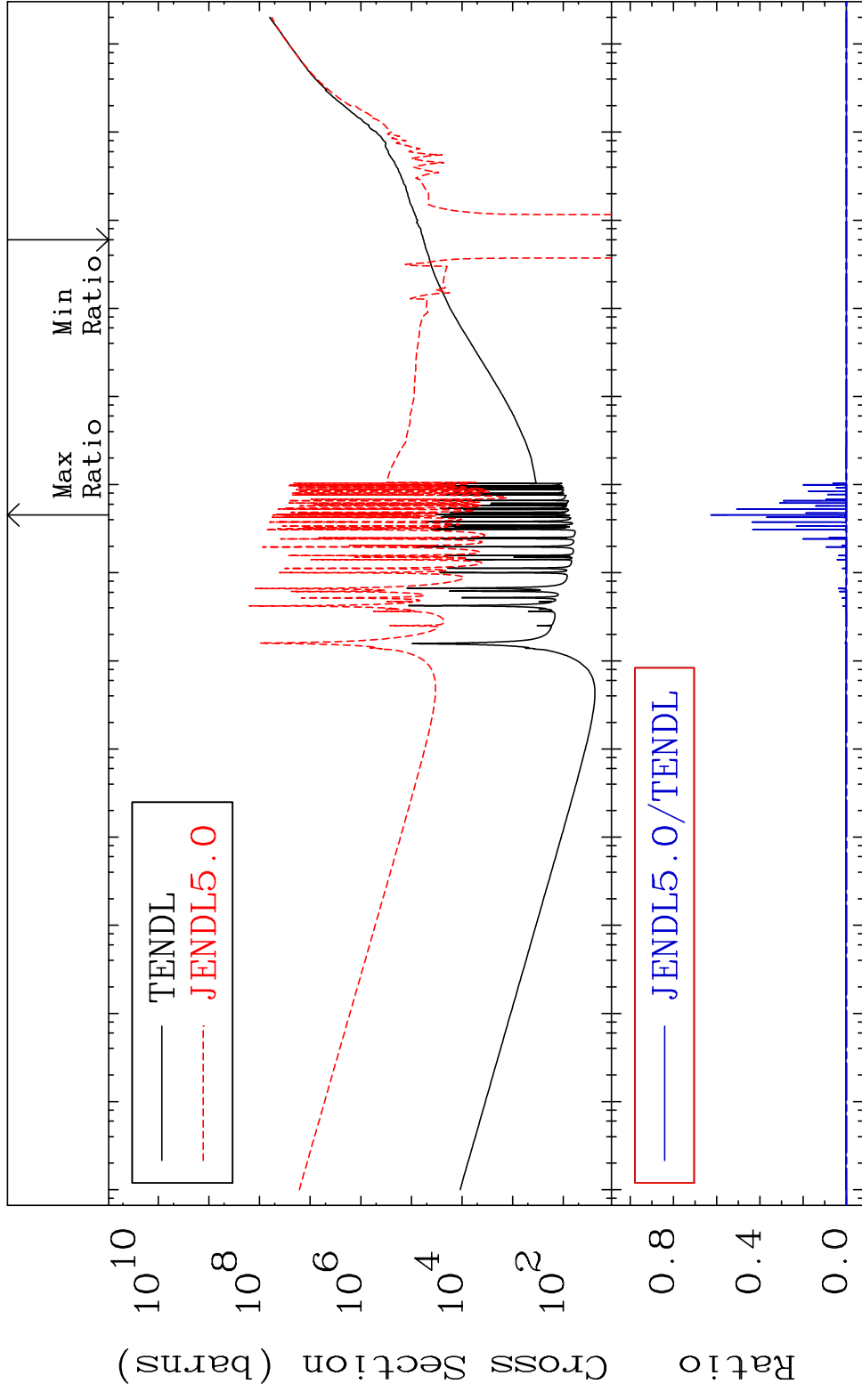
He-4 Production

44-Ru-101

Cross Section -100.0 To 119.1 %



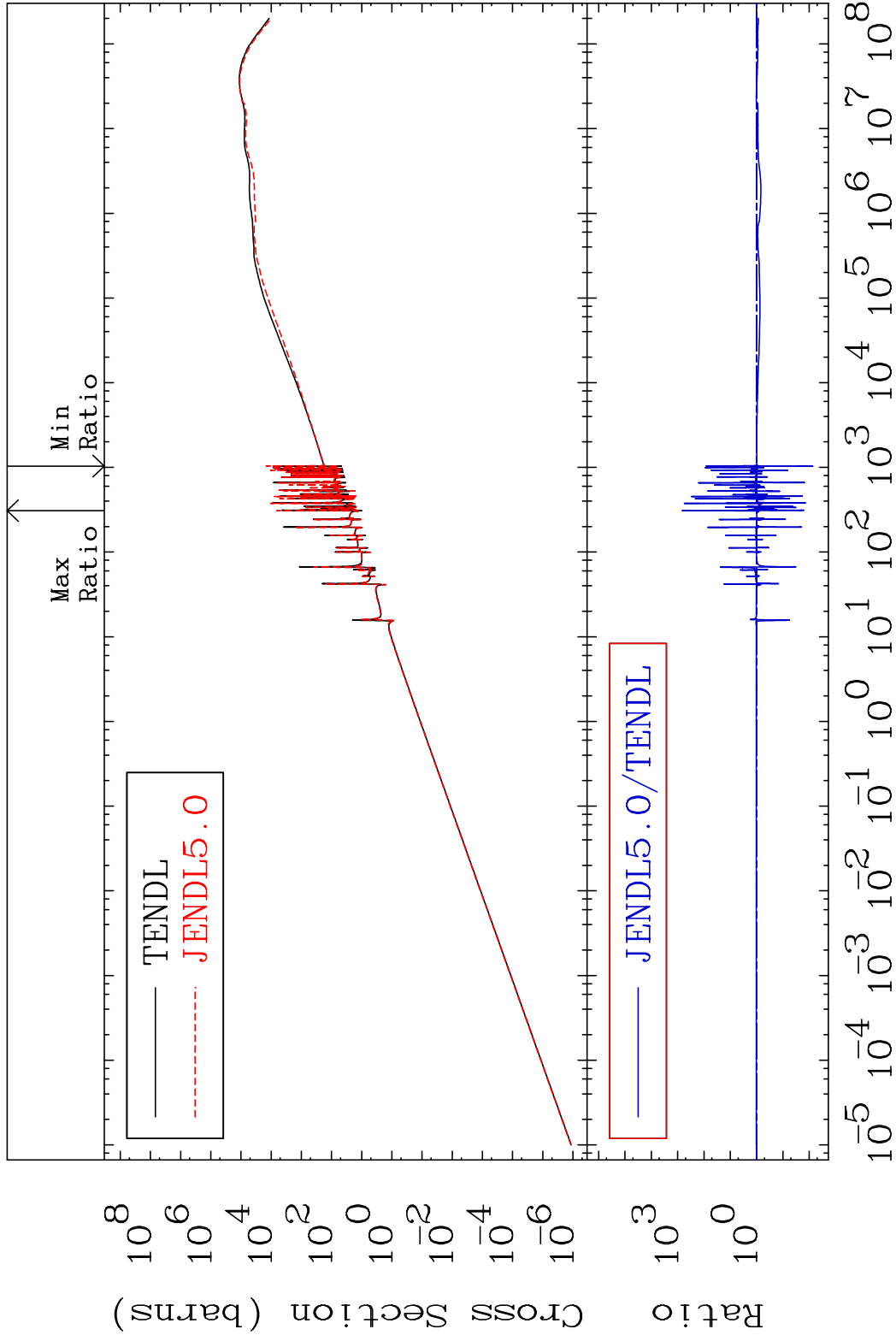
MAT 4440 Kerma total (eV-barns) 44-Ru-101
 Cross Section -200.7 To 9999. %



MAT 4440

Kerma elastic
Cross Section

44-Ru-101
-99.25 To 9999. %

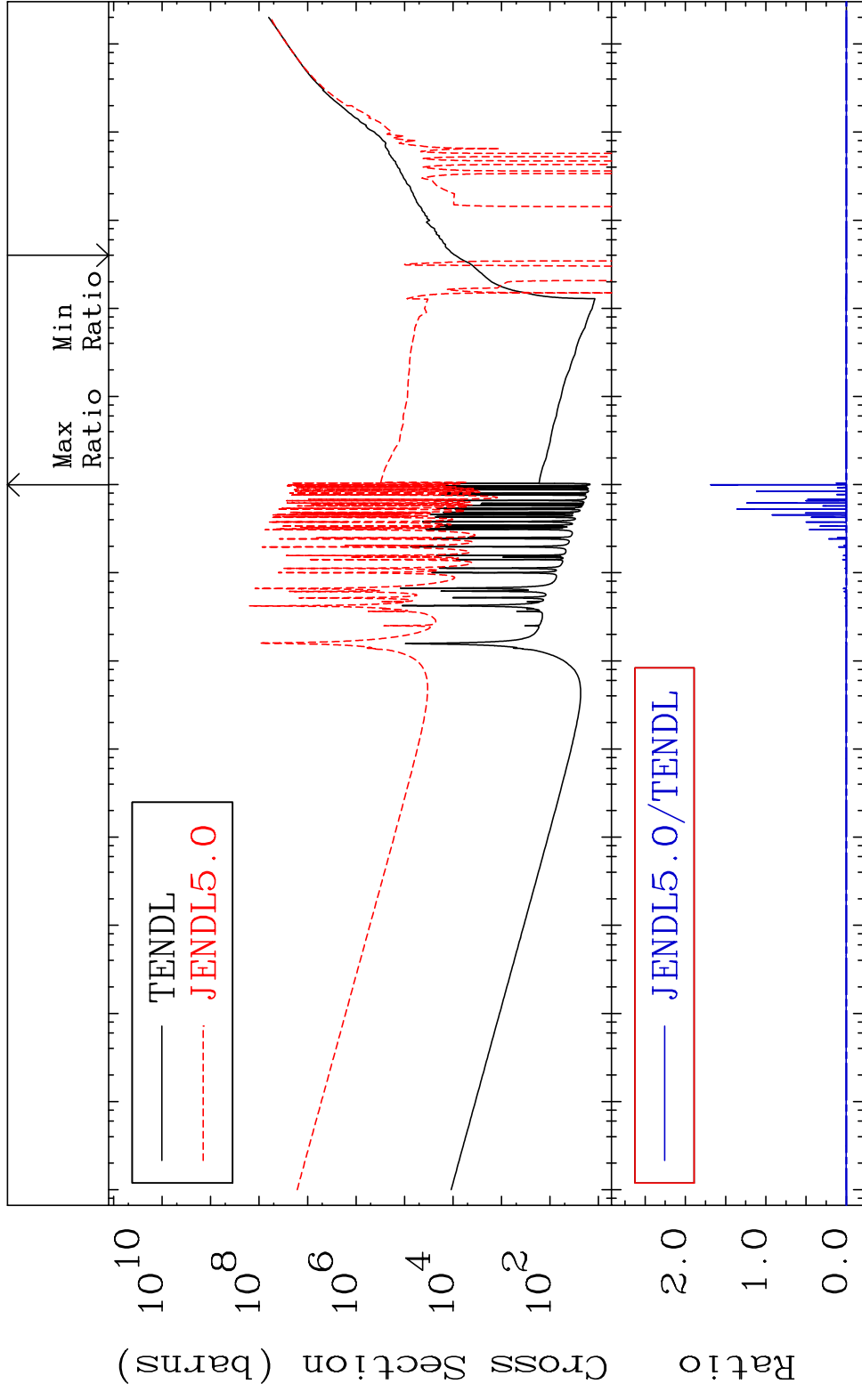


39

Incident Energy (eV)

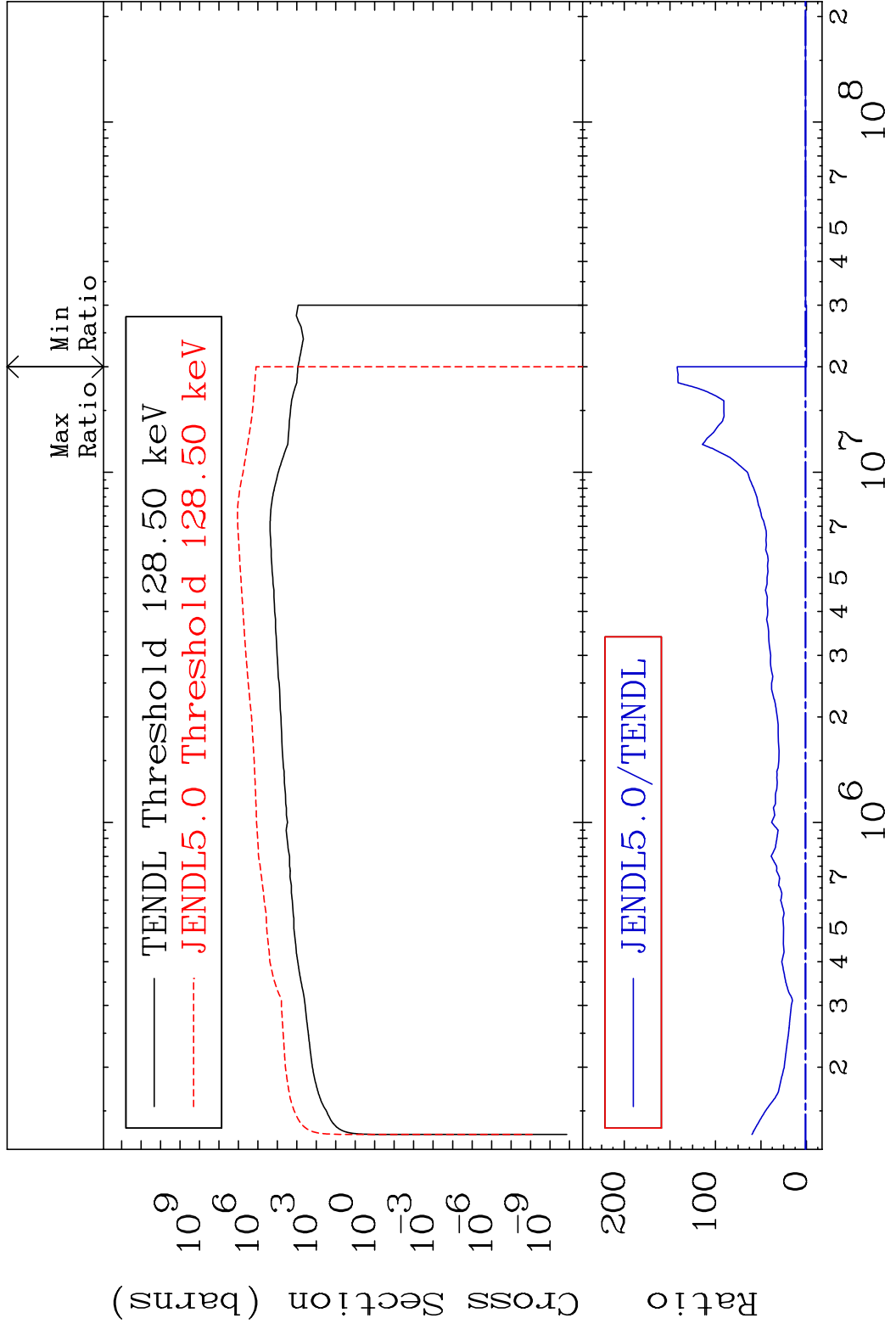
44-Ru-101

MAT 4440 Kerma non-elastic (all but mt2) 44-Ru-101
 Cross Section -830.7 To 9999. %

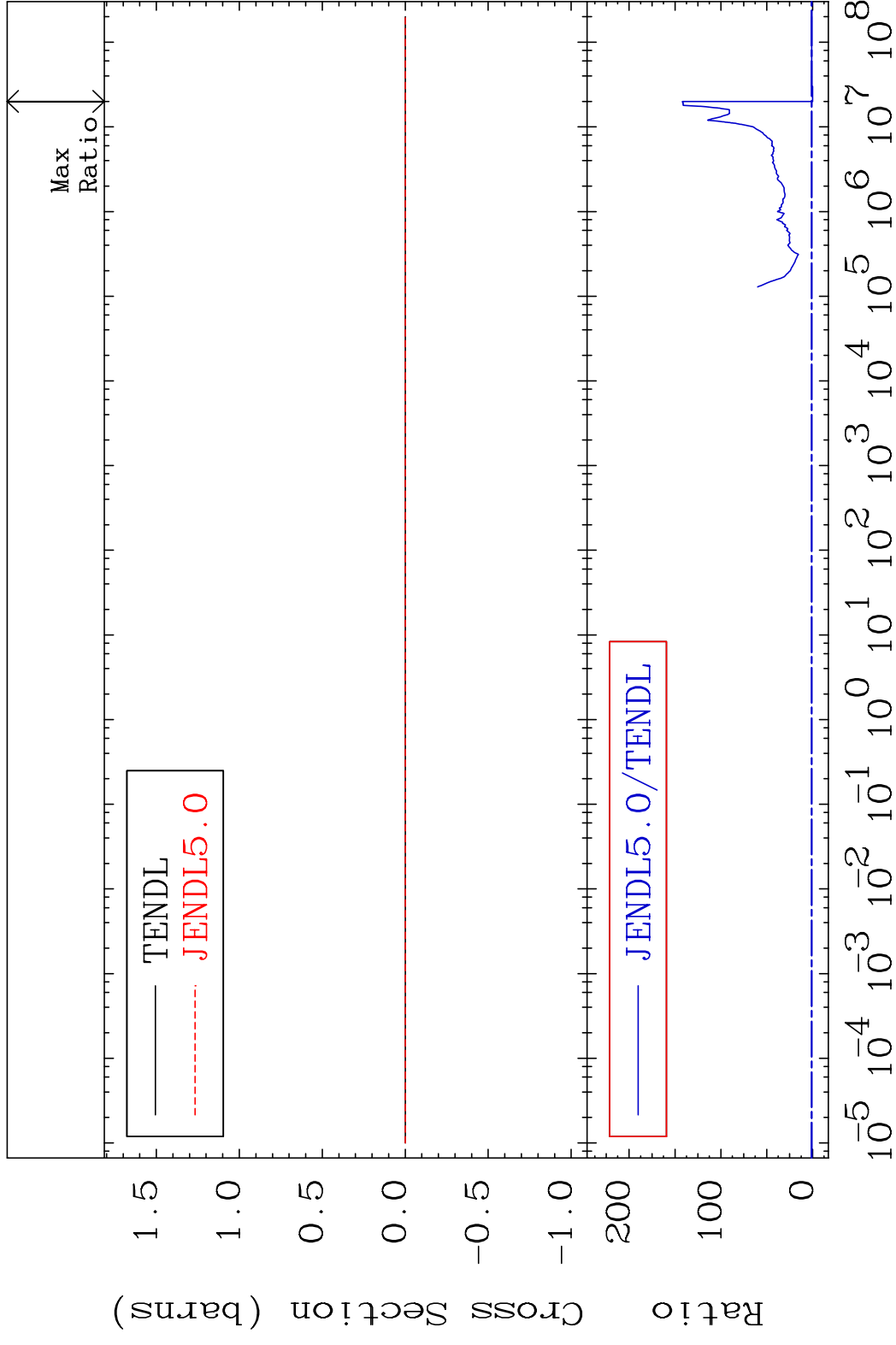


40 Incident Energy (eV) 44-Ru-101

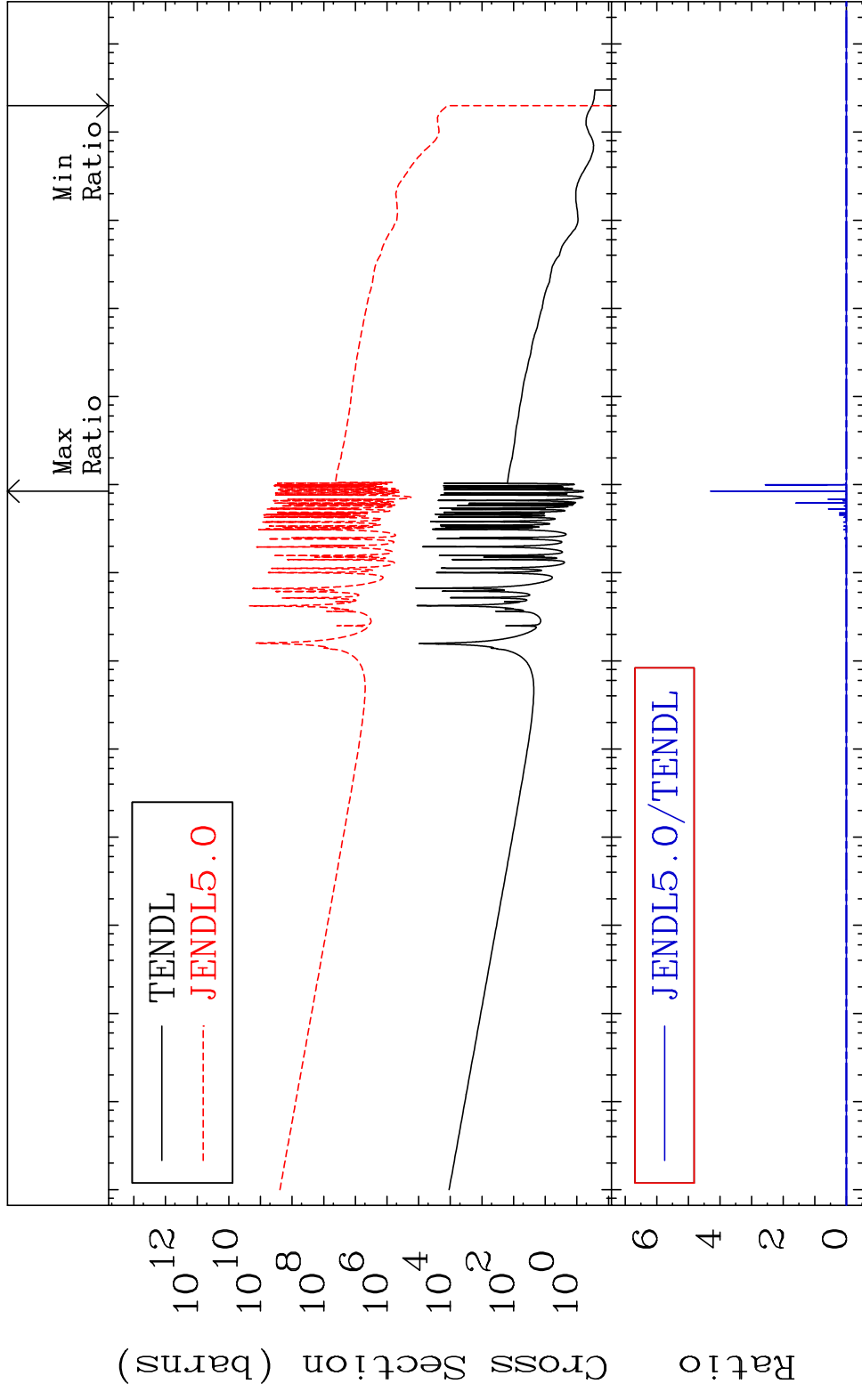
MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 9999. %



MAT 4440 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-101
 Cross Section -100.0 To 9999. %

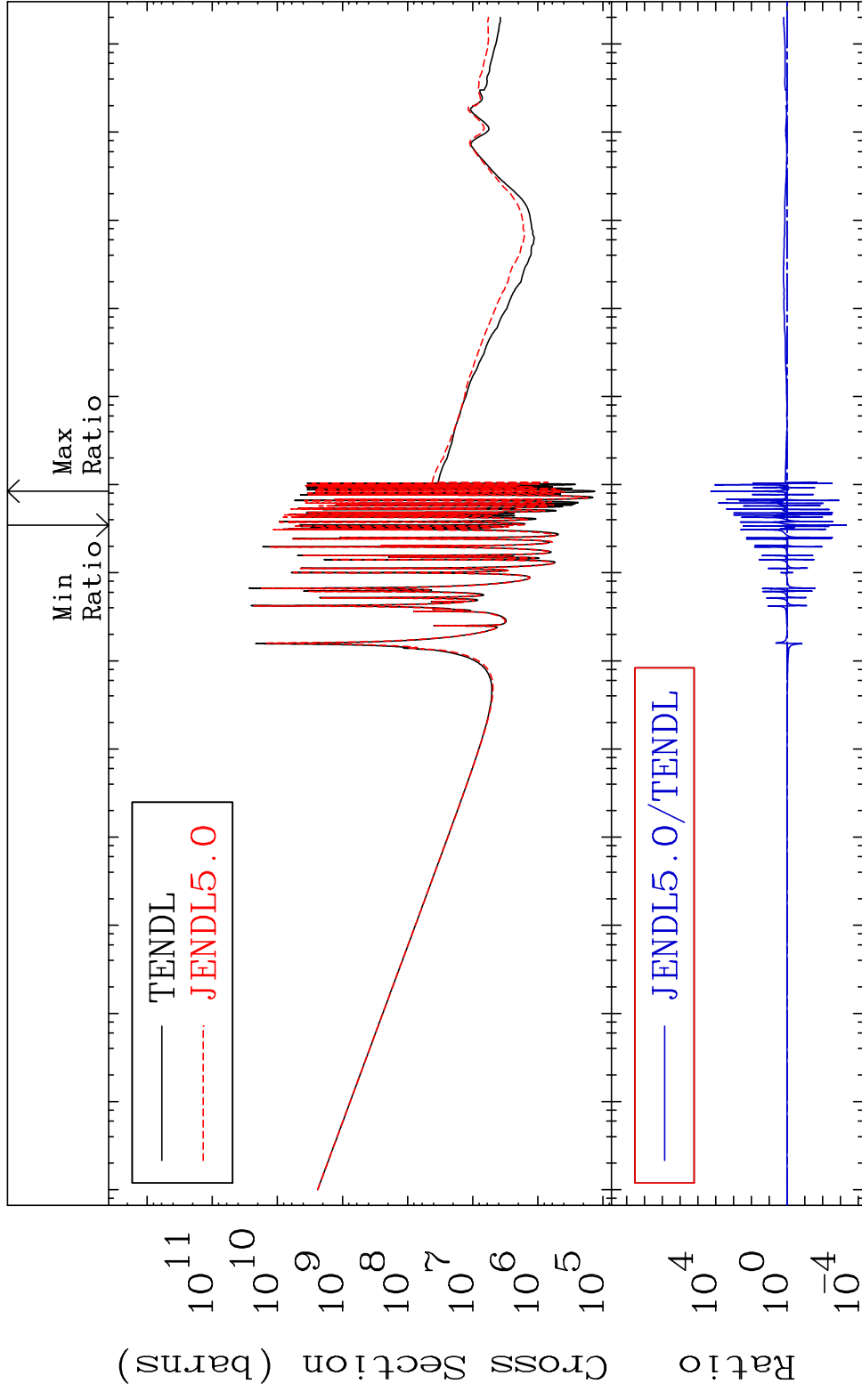


MAT 4440 Kerma capture (mt102) 44-Ru-101
 Cross Section -100.0 To 9999. %



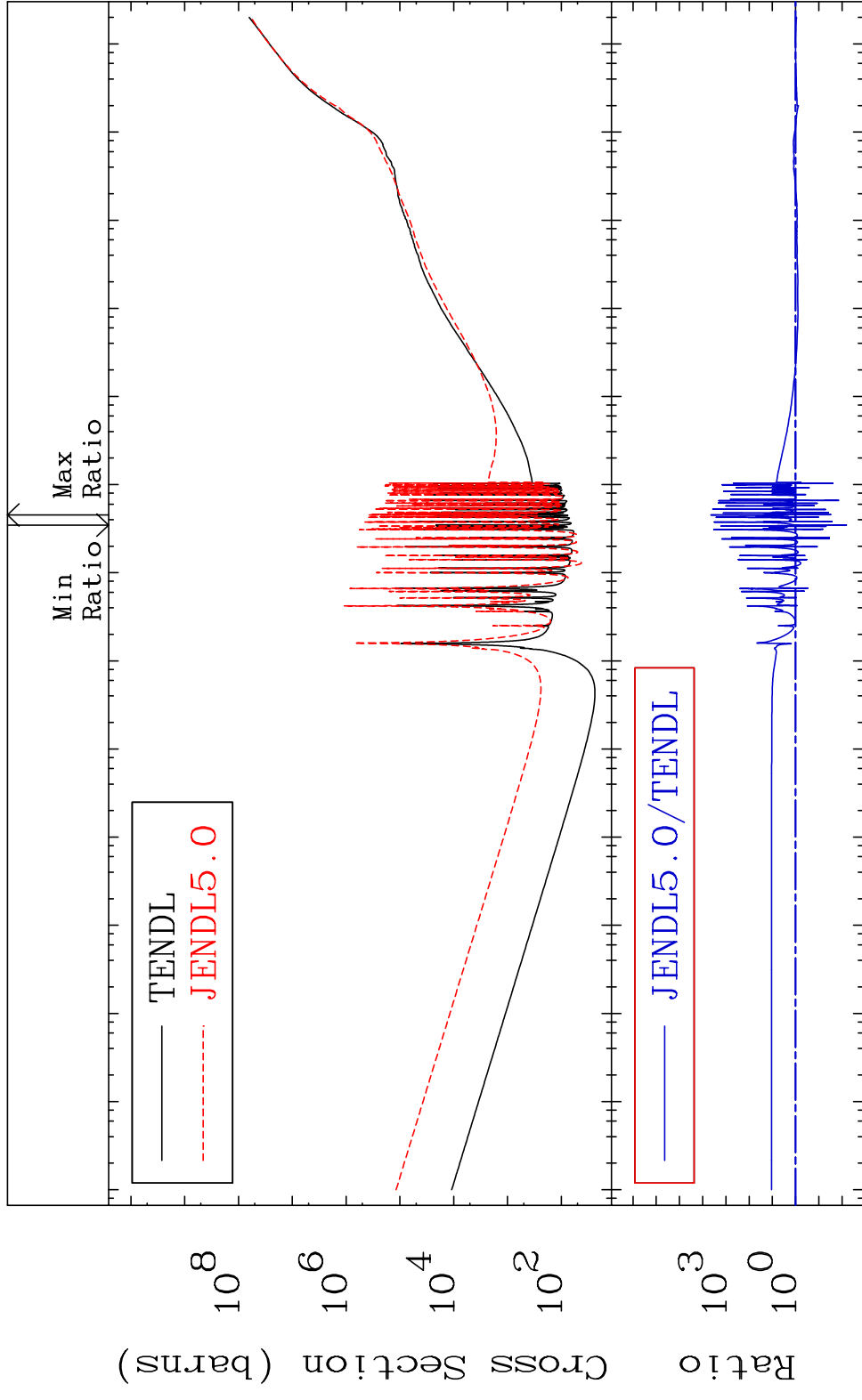
43 Incident Energy (eV) 44-Ru-101

MAT 4440 Total photon (eV-barns) 44-Ru-101
 Cross Section -99.95 To 9999. %

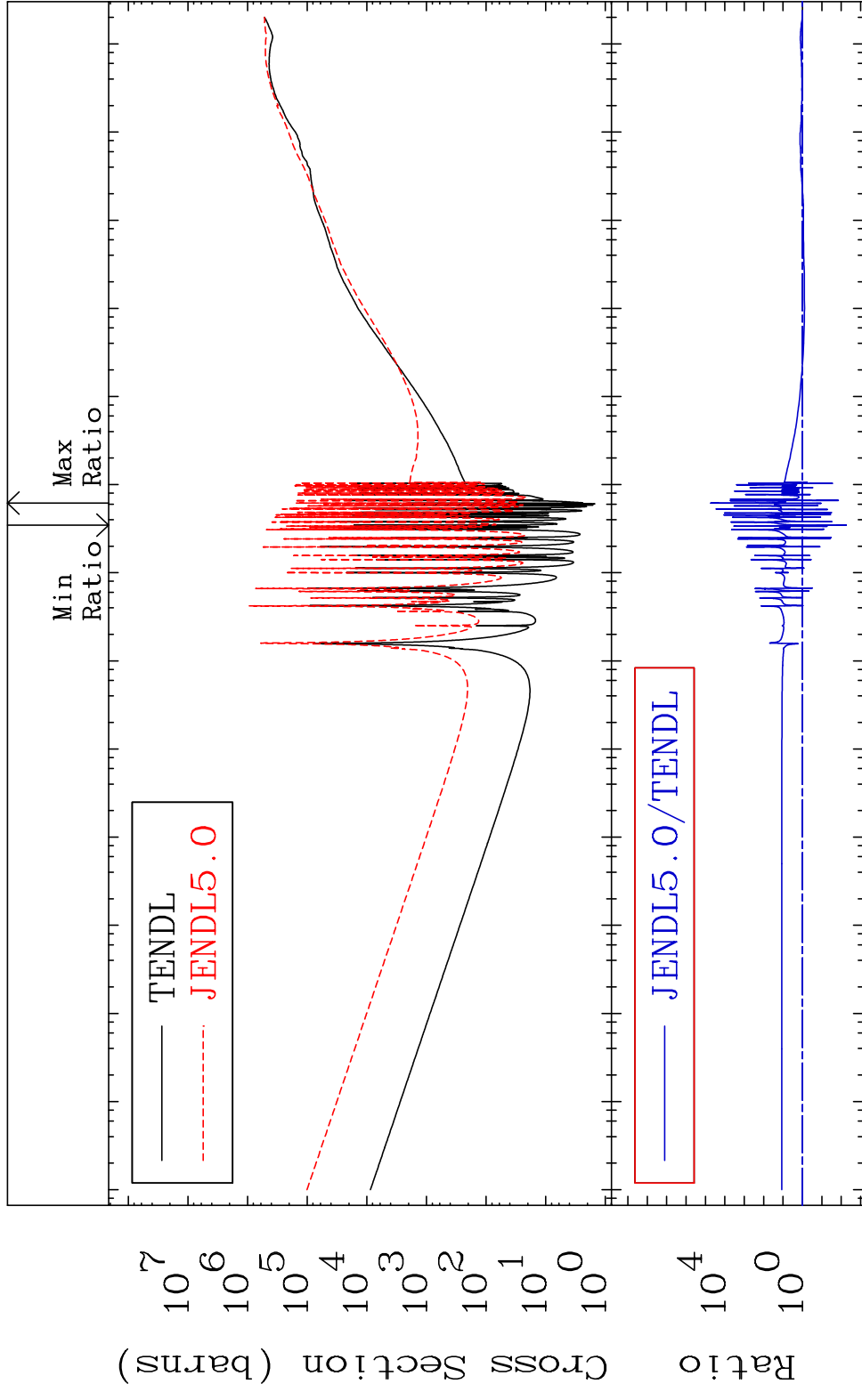


44 Incident Energy (eV) 44-Ru-101

MAT 4440 Total kinematic kerma (high limit) 44-Ru-101
 Cross Section -99.35 To 9999. %



MAT 4440 Dpa total (eV-barns) 44-Ru-101
 Cross Section -99.46 To 9999. %

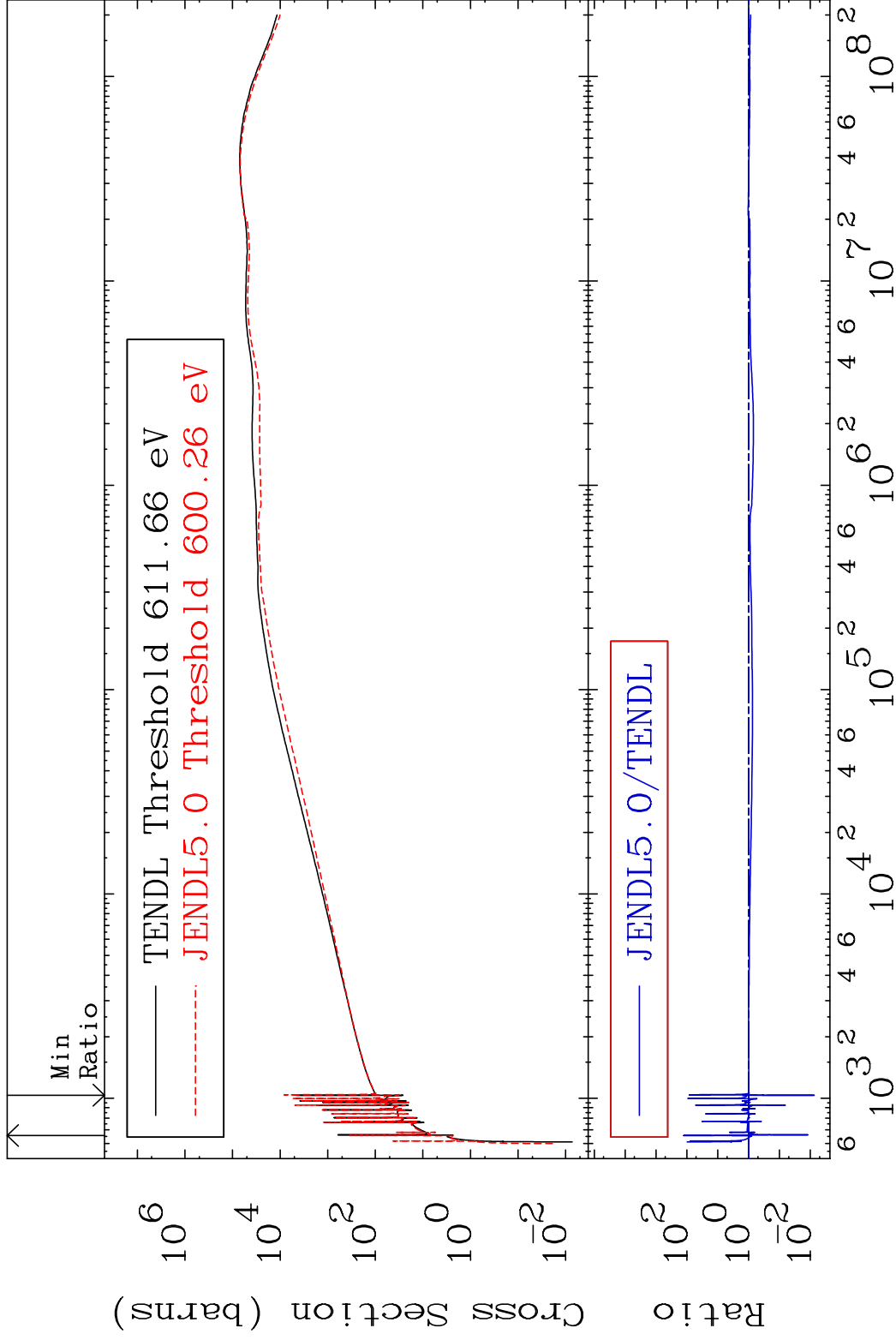


MAT 4440

Dpa elastic (mt2)

44-Ru-101

Cross Section -99.25 To 9999. %

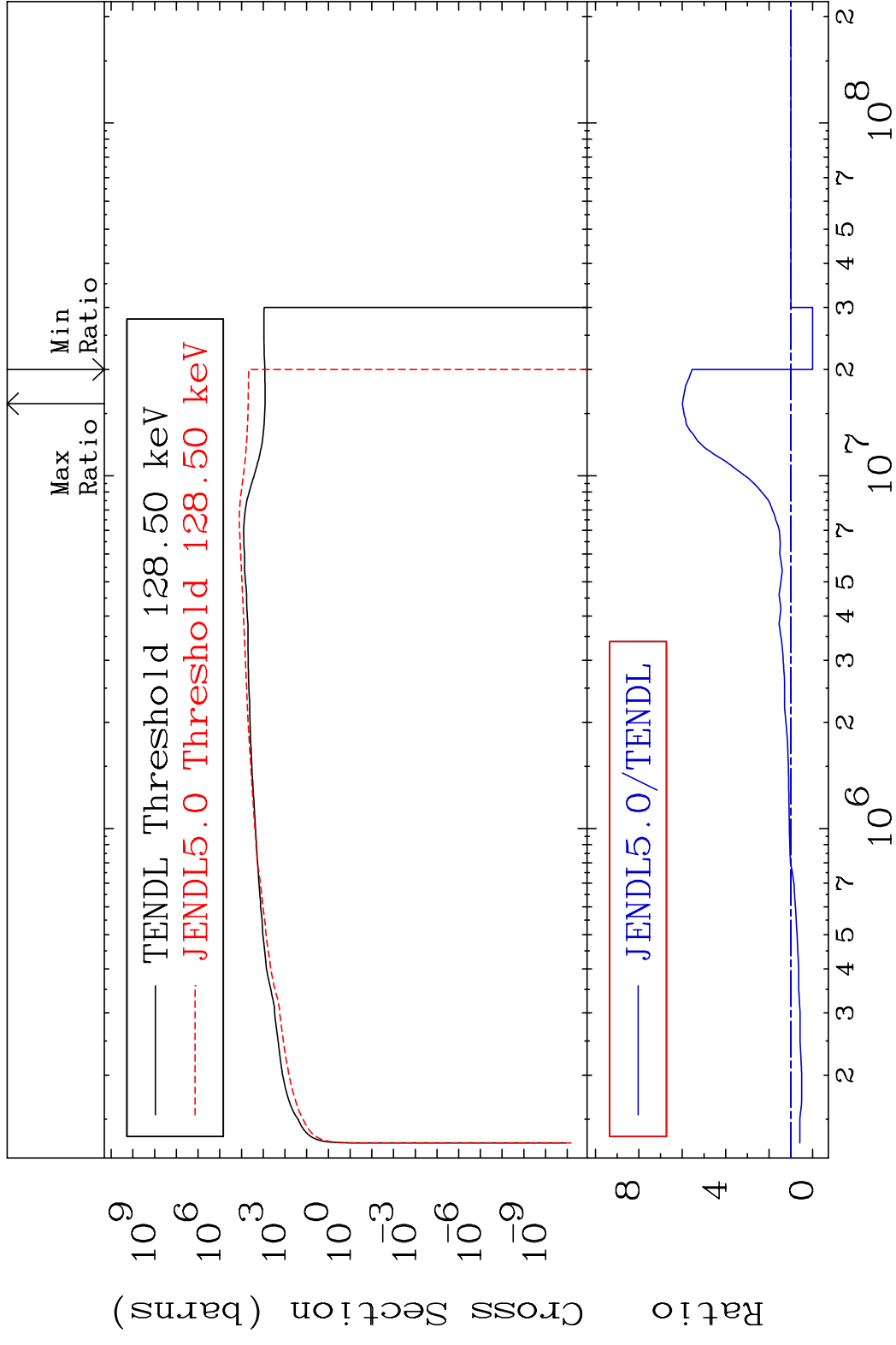


47

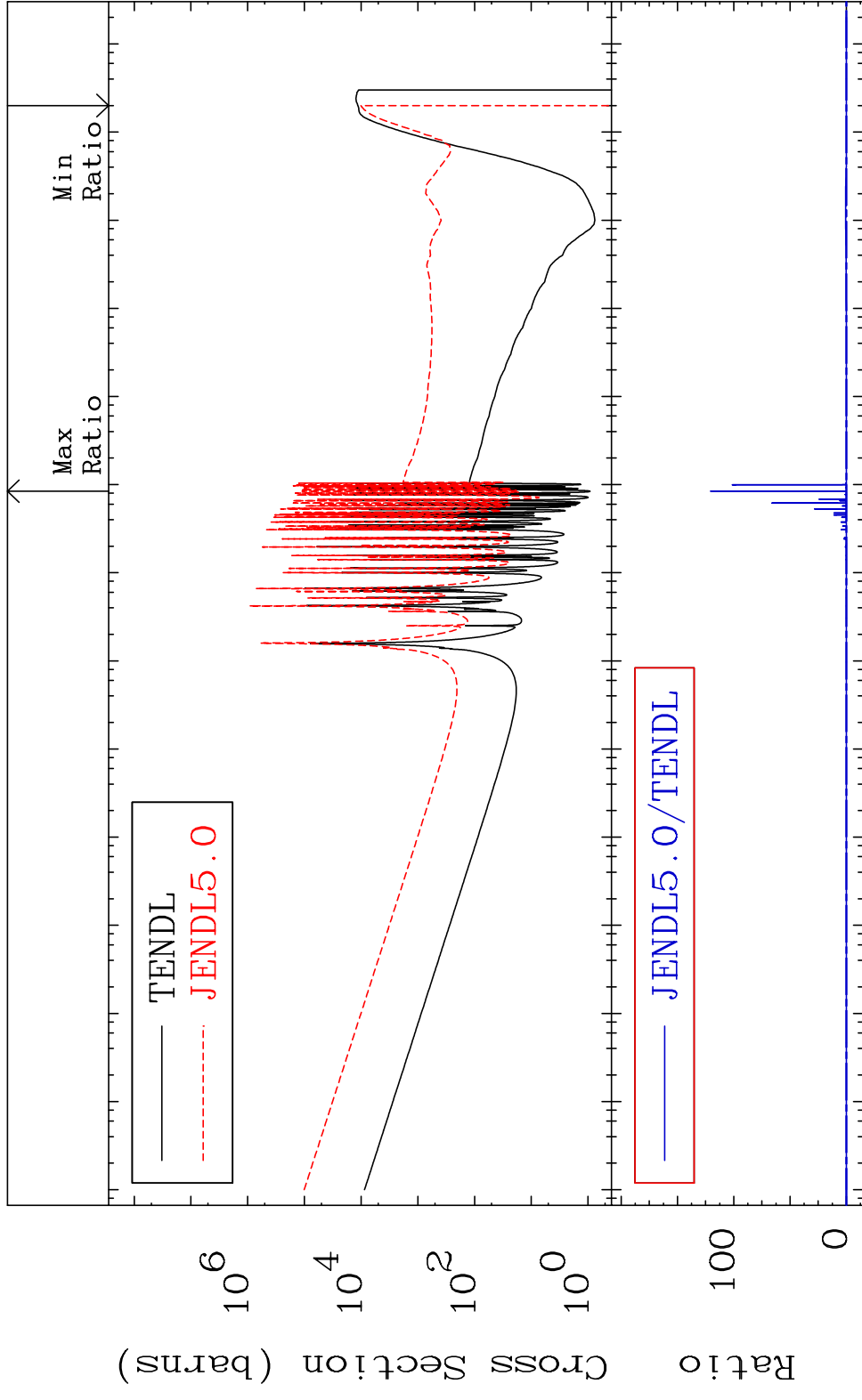
Incident Energy (eV)

44-Ru-101

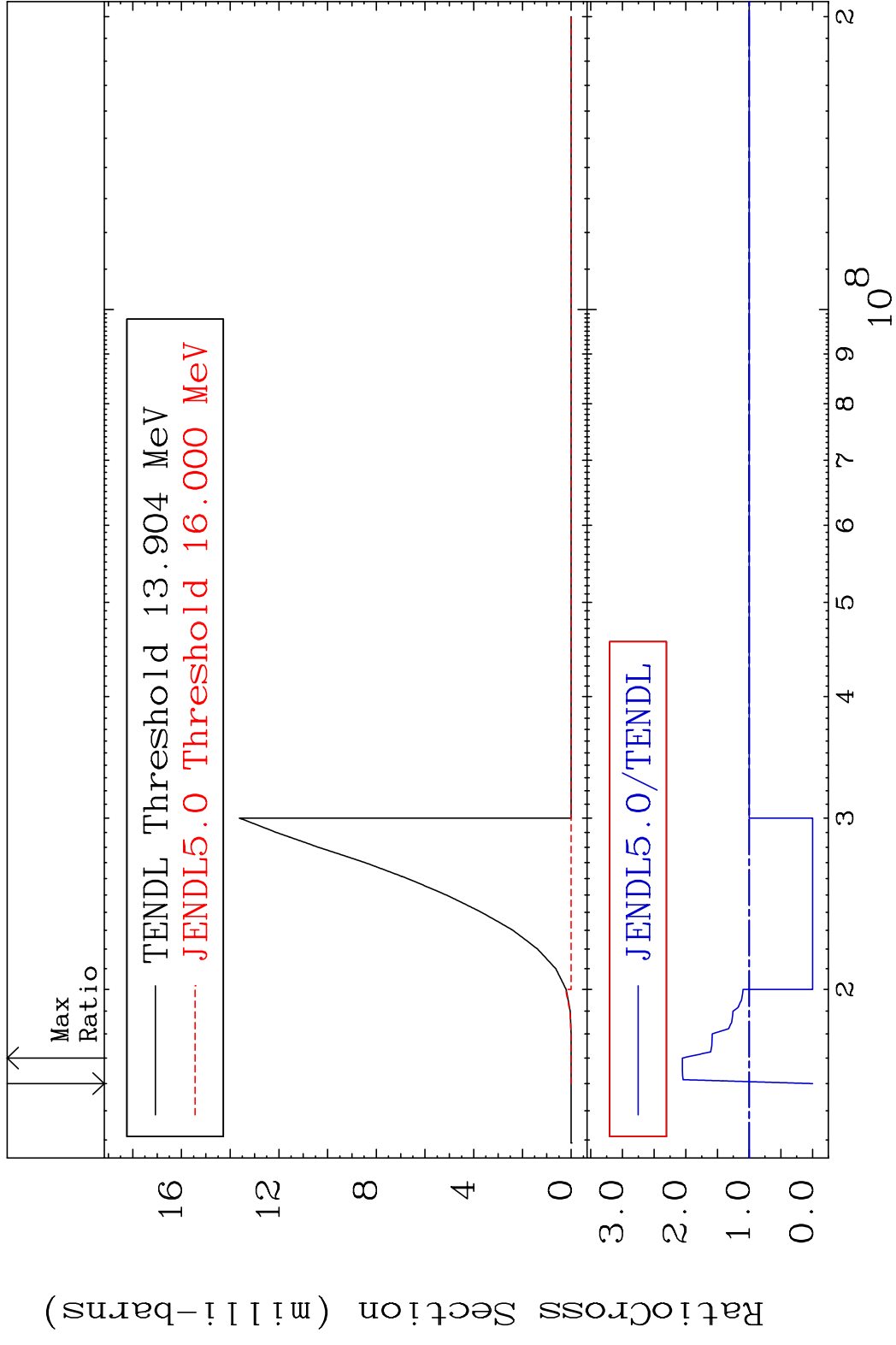
MAT 4440 Dpa inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 499.6 %

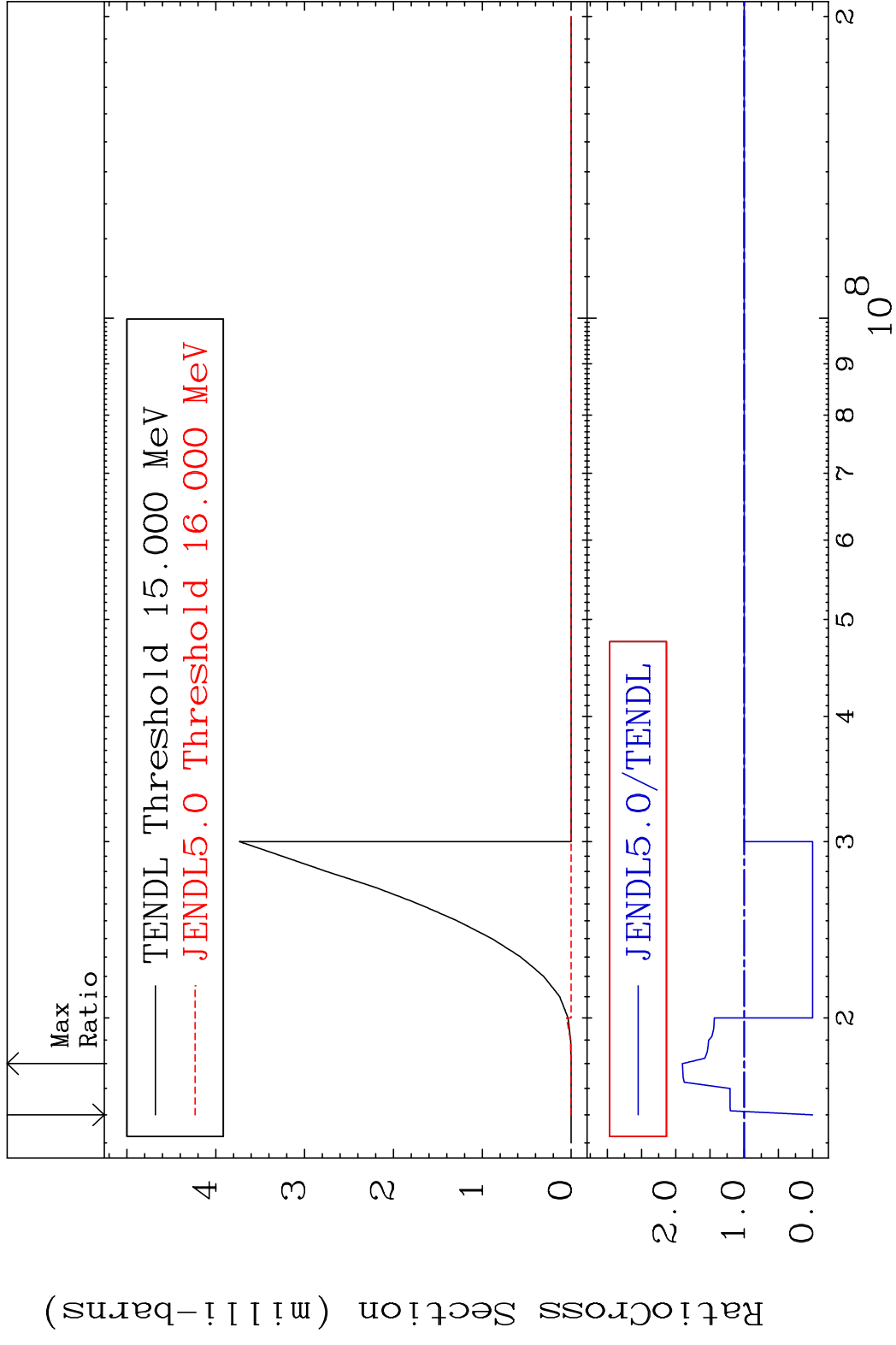


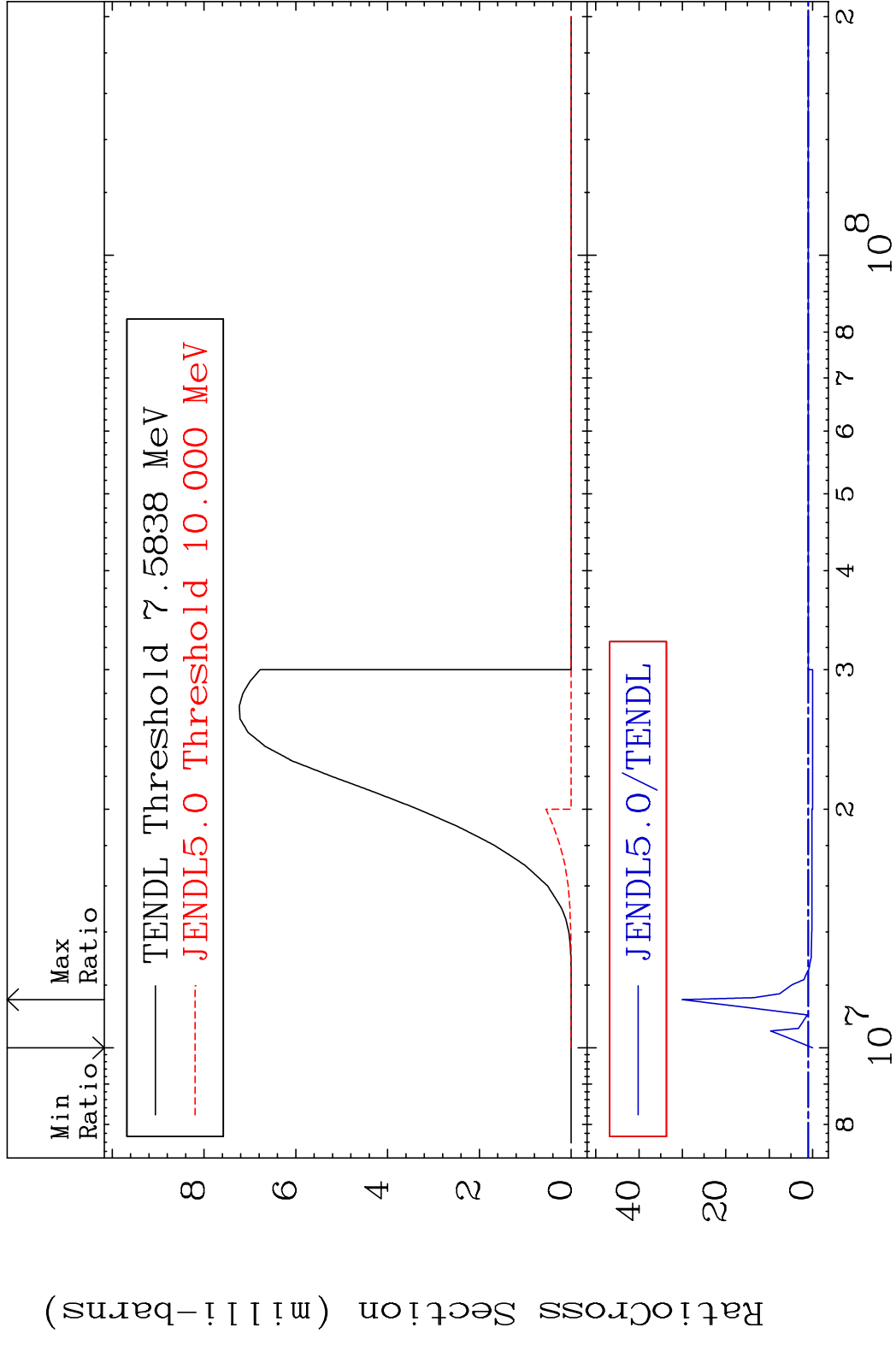
MAT 4440 Dpa disappearance (mt102 -120) 44-Ru-101
 Cross Section -100.0 To 9999. %

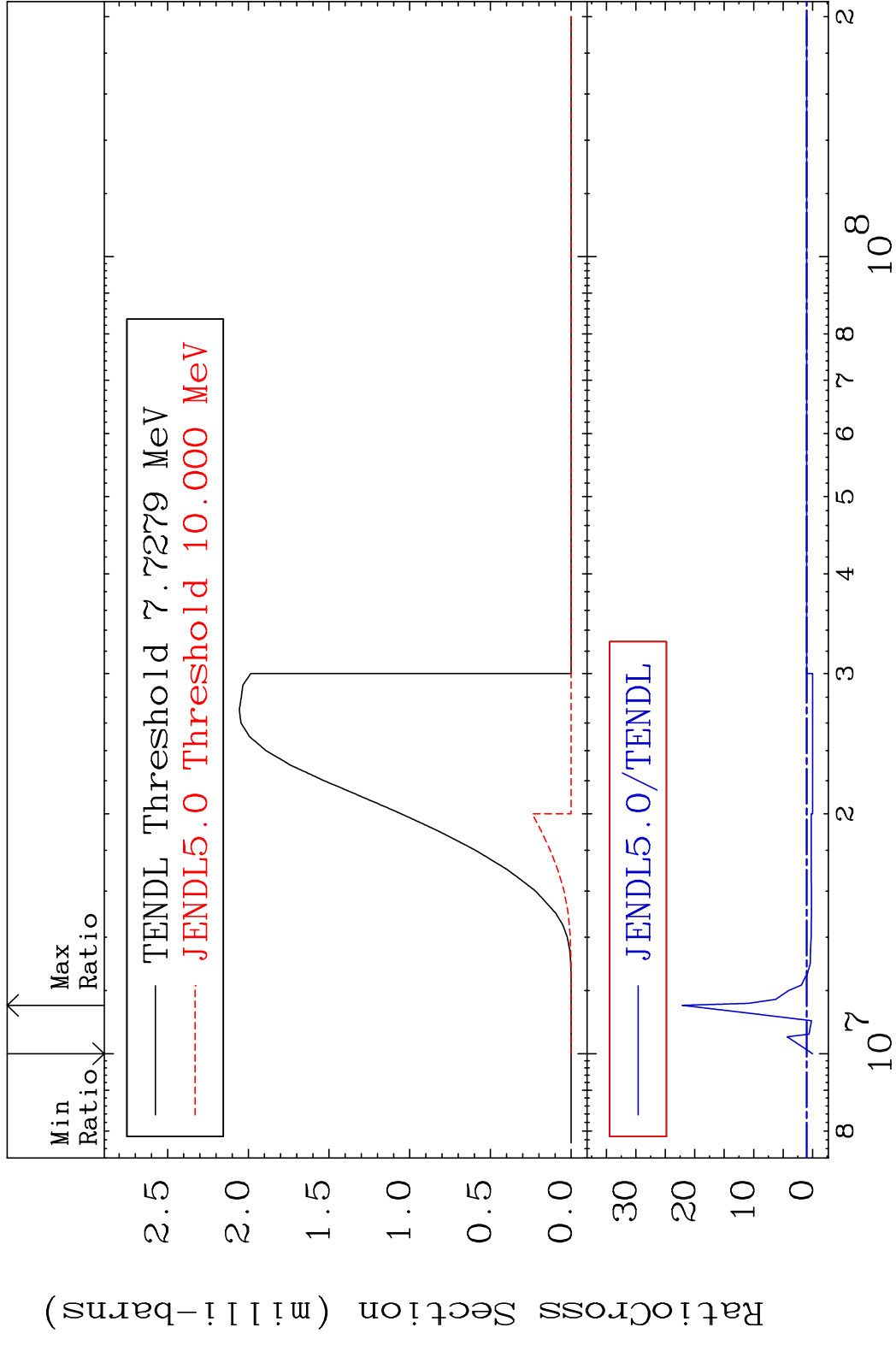


49 Incident Energy (eV) 44-Ru-101







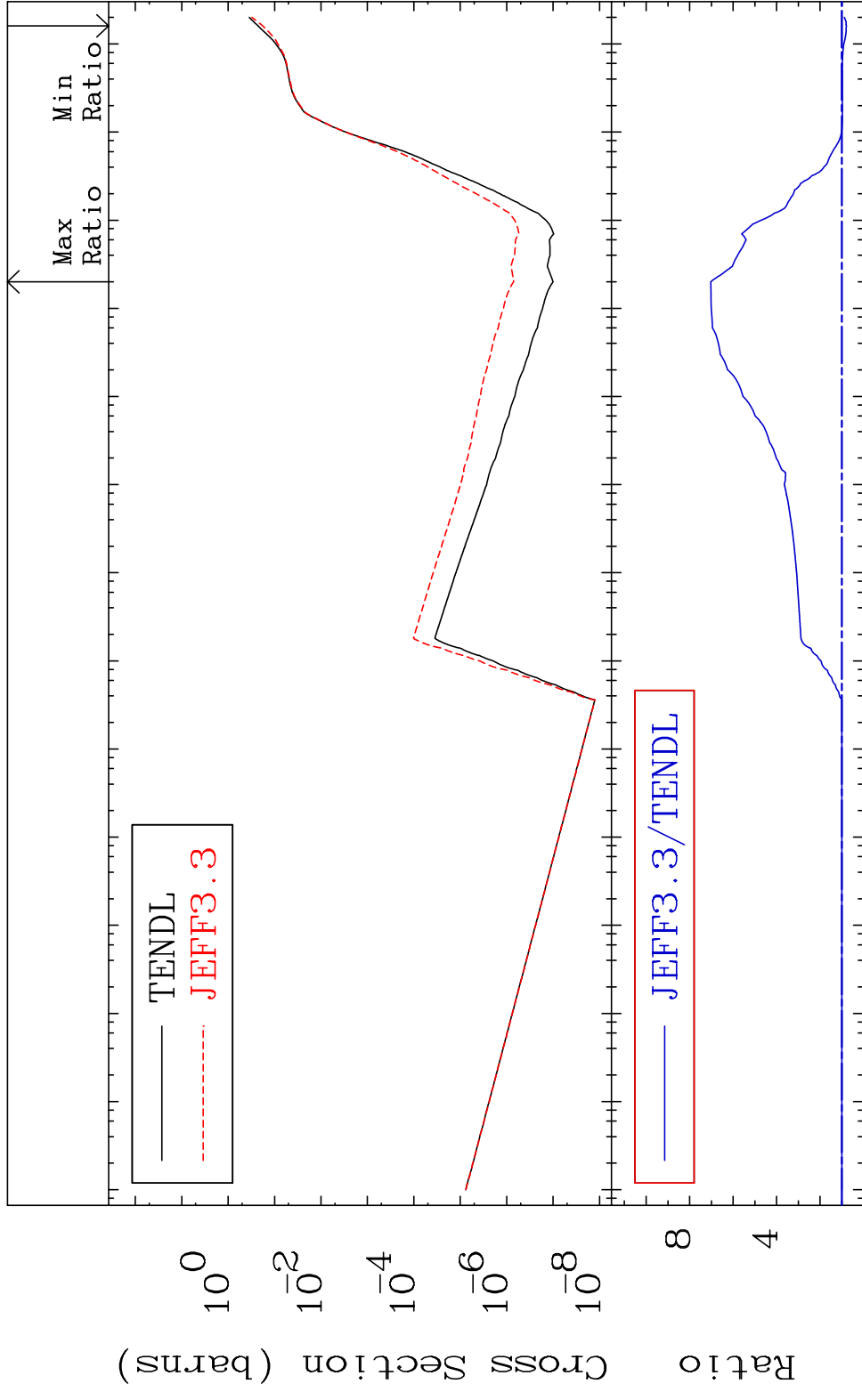


MAT 4440

He-4 Production

44-Ru-101

Cross Section -20.71 To 603.0 %

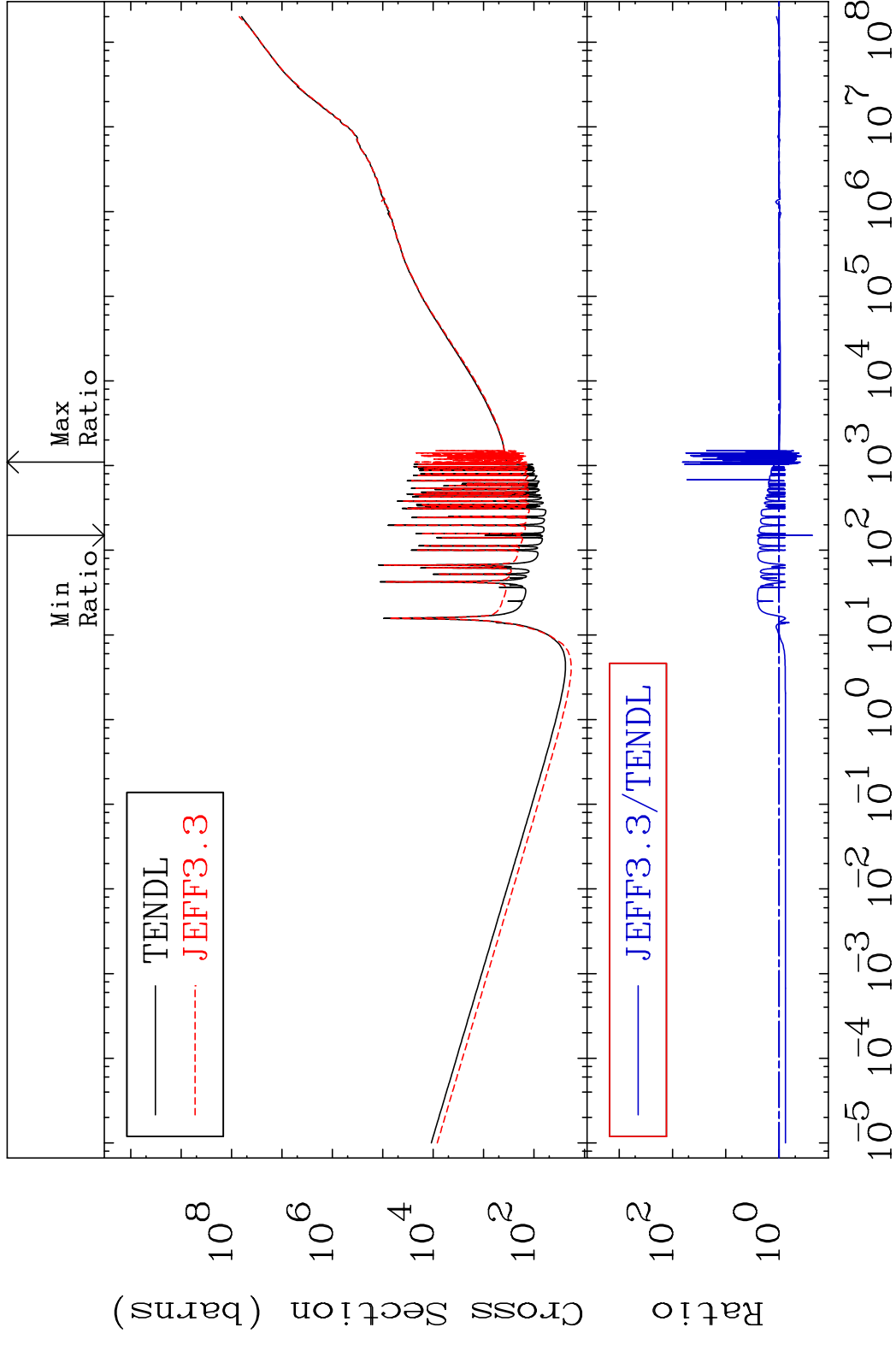


54

Incident Energy (eV)

44-Ru-101

MAT 4440 Kerma total (eV-barns) 44-Ru-101
 Cross Section -76.39 To 6434. %

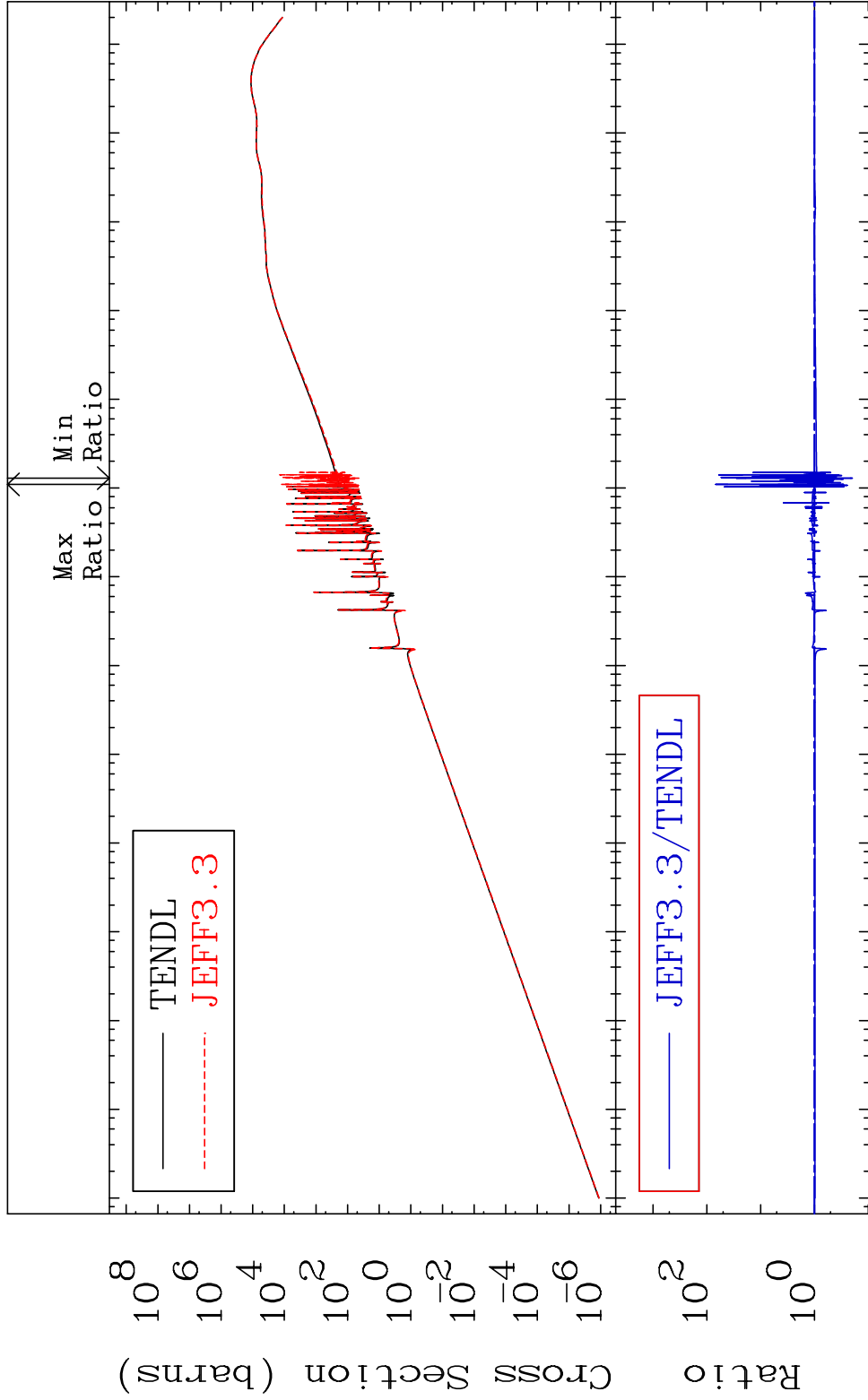


MAT 4440

Kerma elastic

44-Ru-101

Cross Section -80.19 To 6747. %

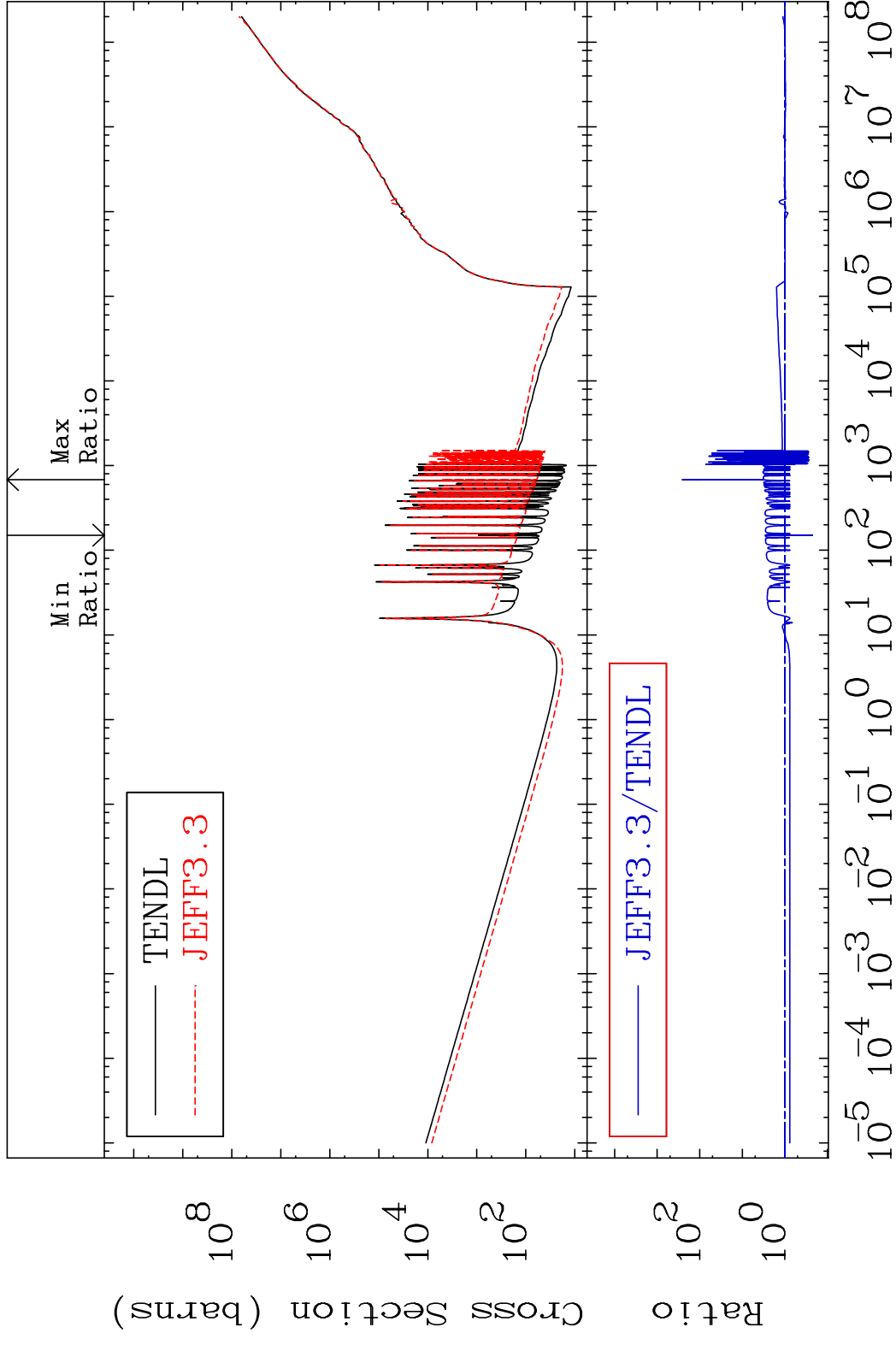


56

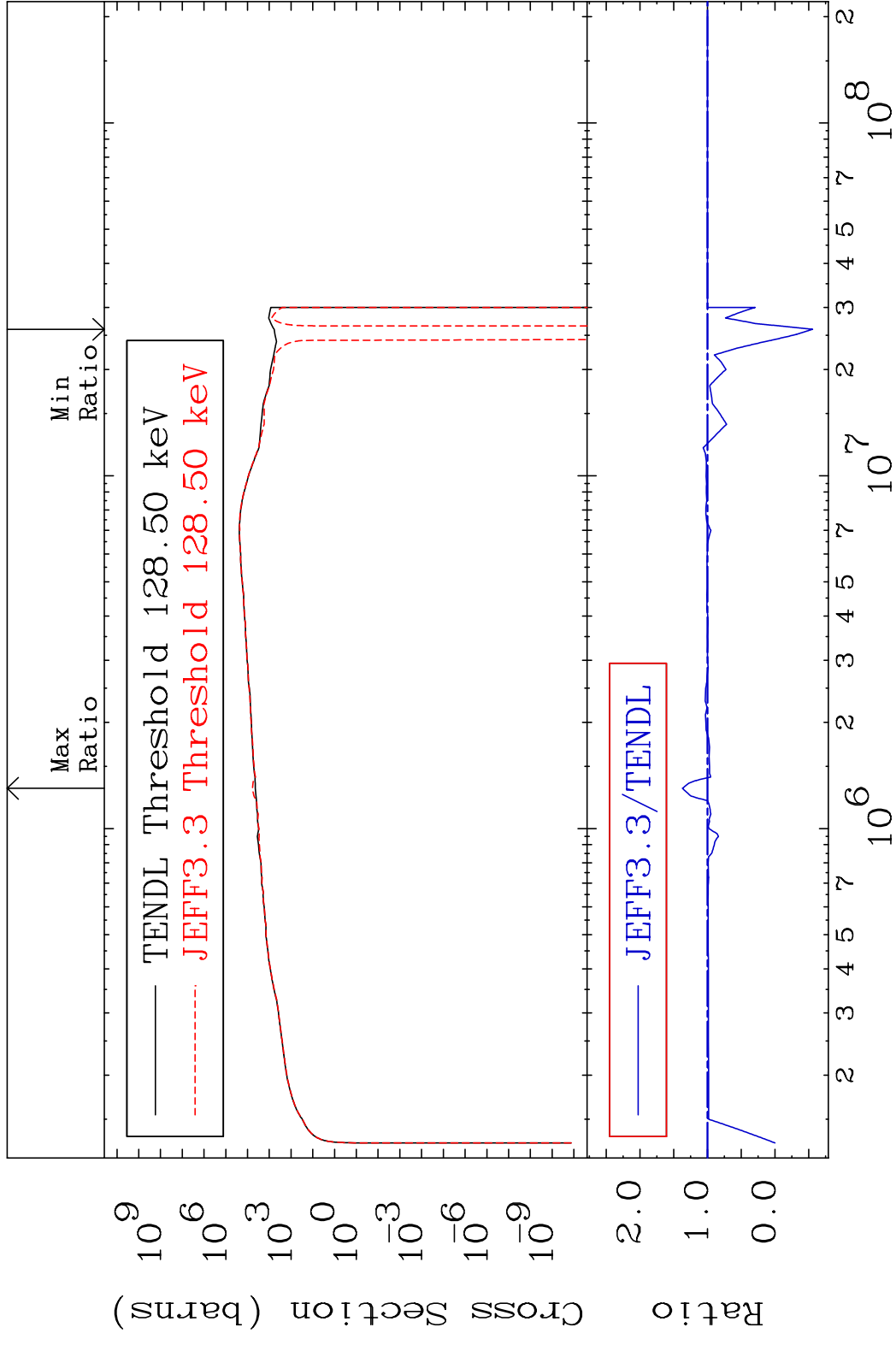
Incident Energy (eV)

44-Ru-101

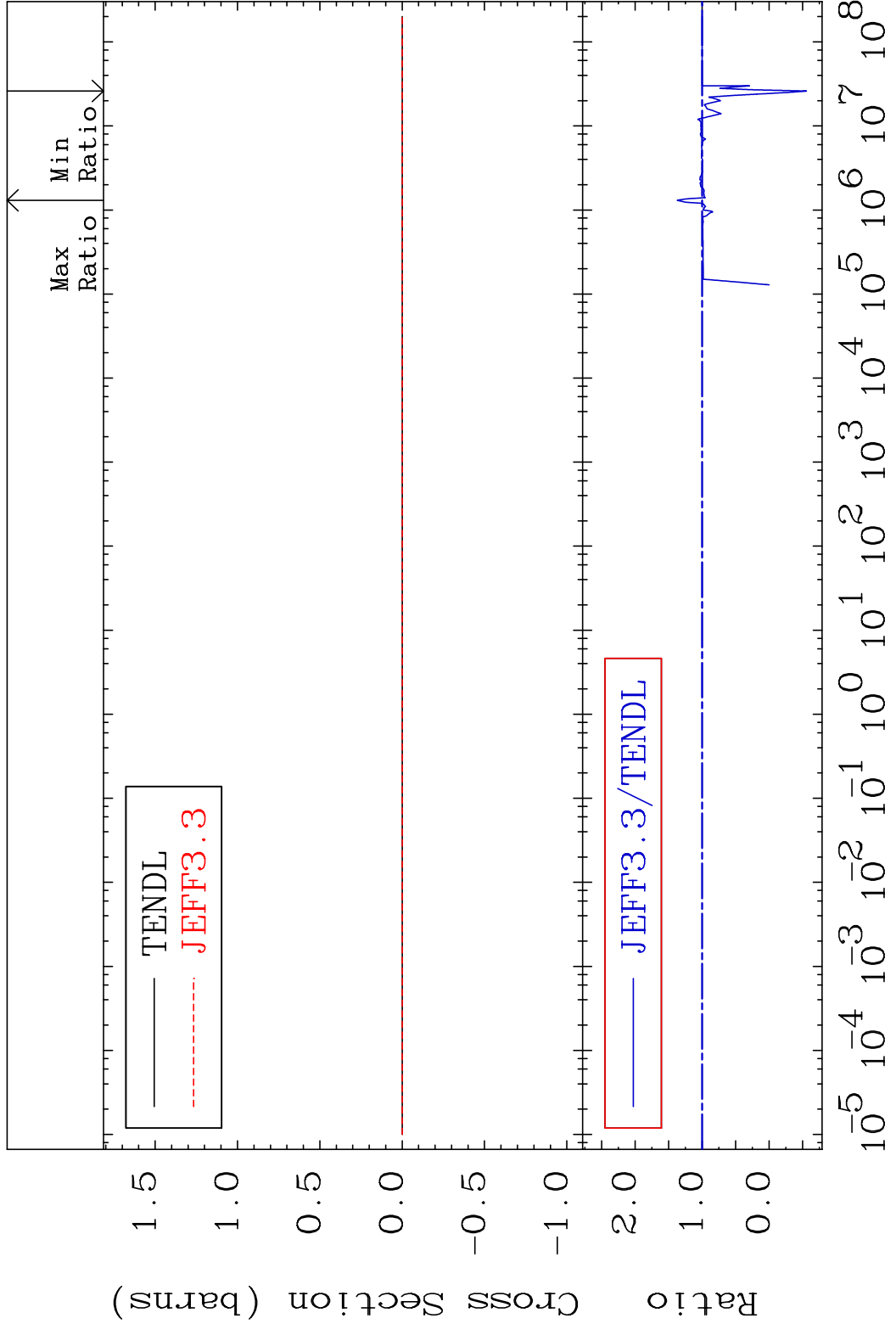
MAT 4440 Kerma non-elastic (all but mt2) 44-Ru-101
 Cross Section -77.67 To 9999. %



MAT 4440 Kerma inelastic (mt51-91) 44-Ru-101
 Cross Section -155.7 To 37.18 %

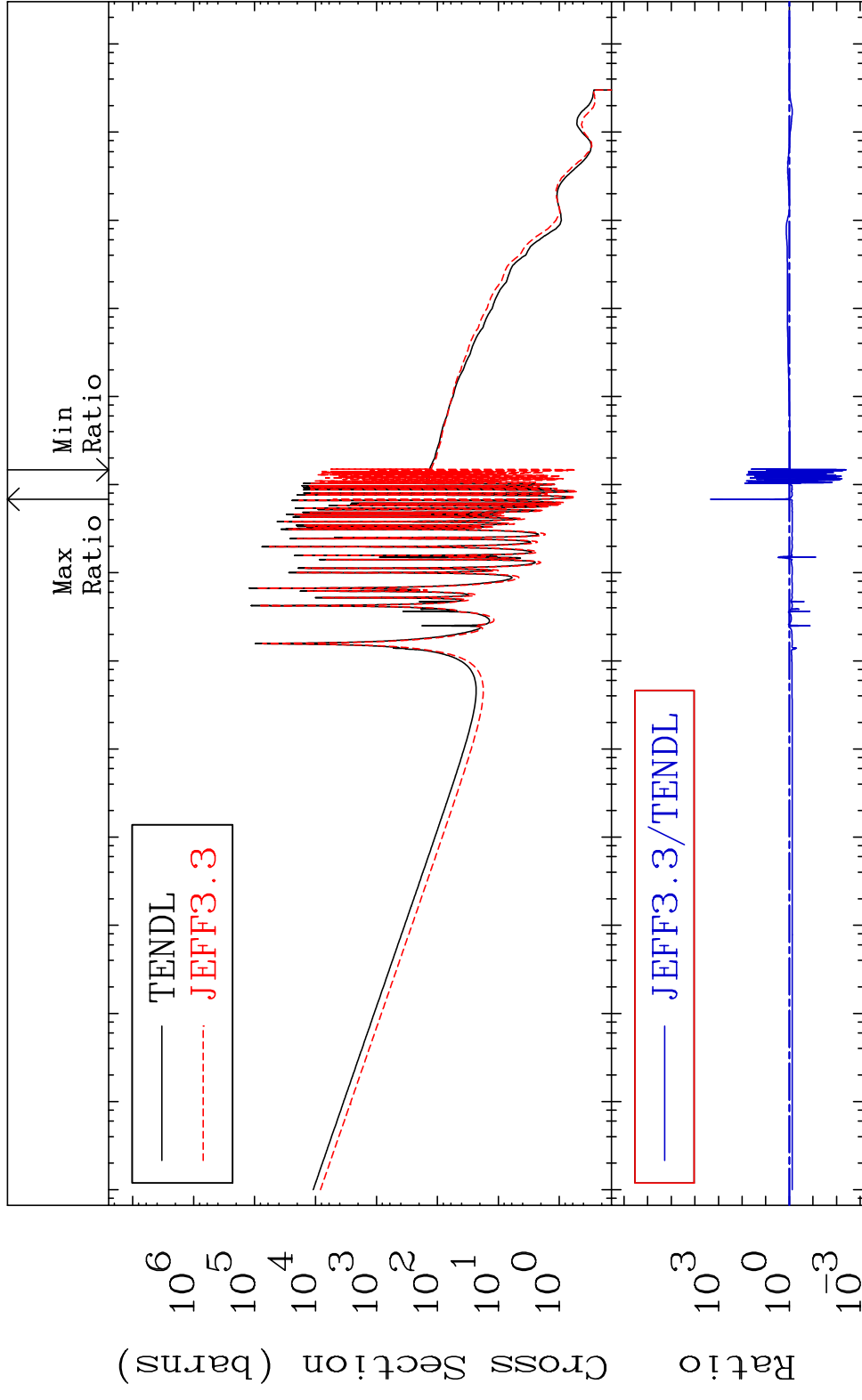


MAT 4440 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-101
 Cross Section -155.7 To 37.18 %



MAT 4440

Kerma capture (mt102) 44-Ru-101
Cross Section -99.61 To 9999. %

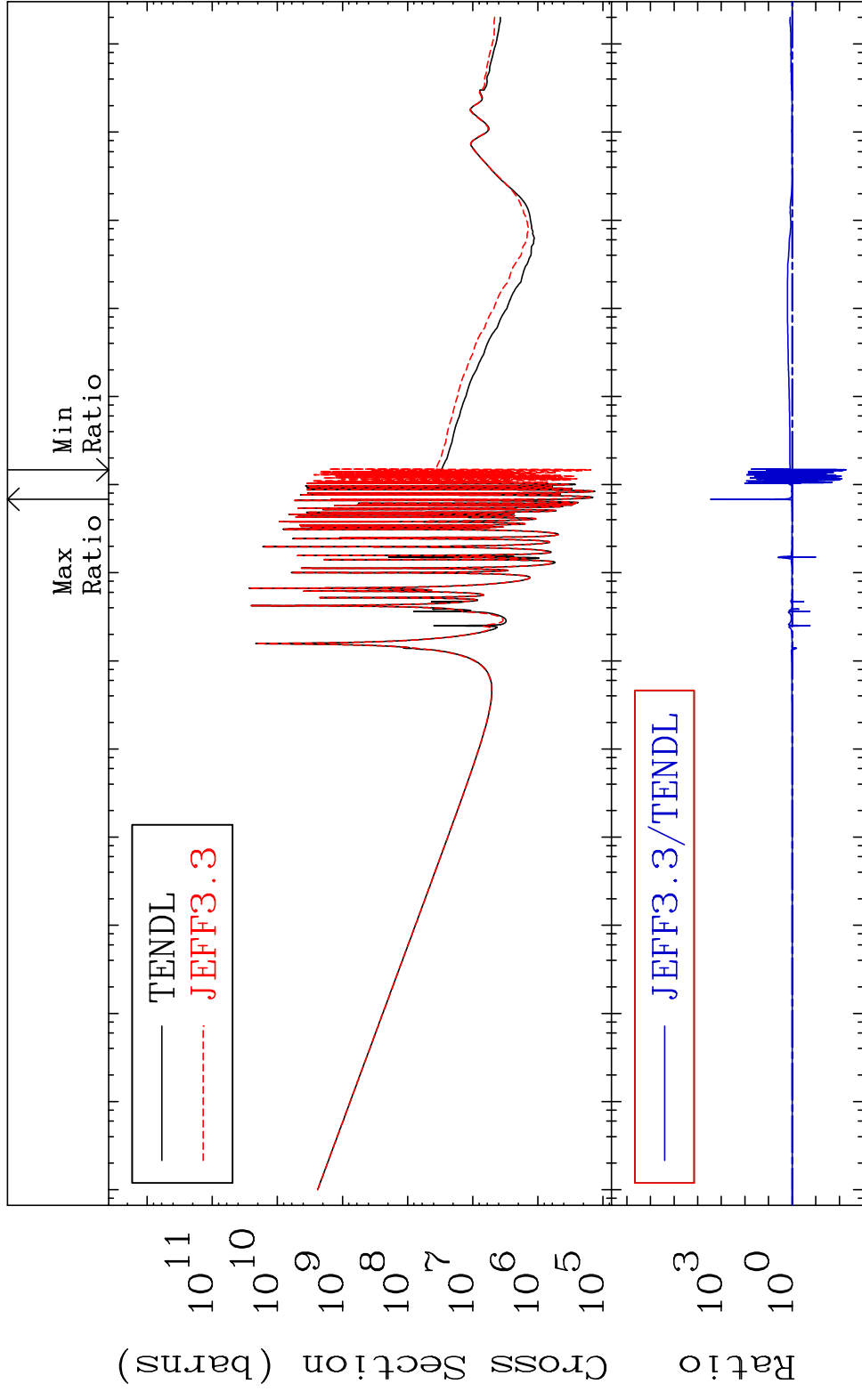


60

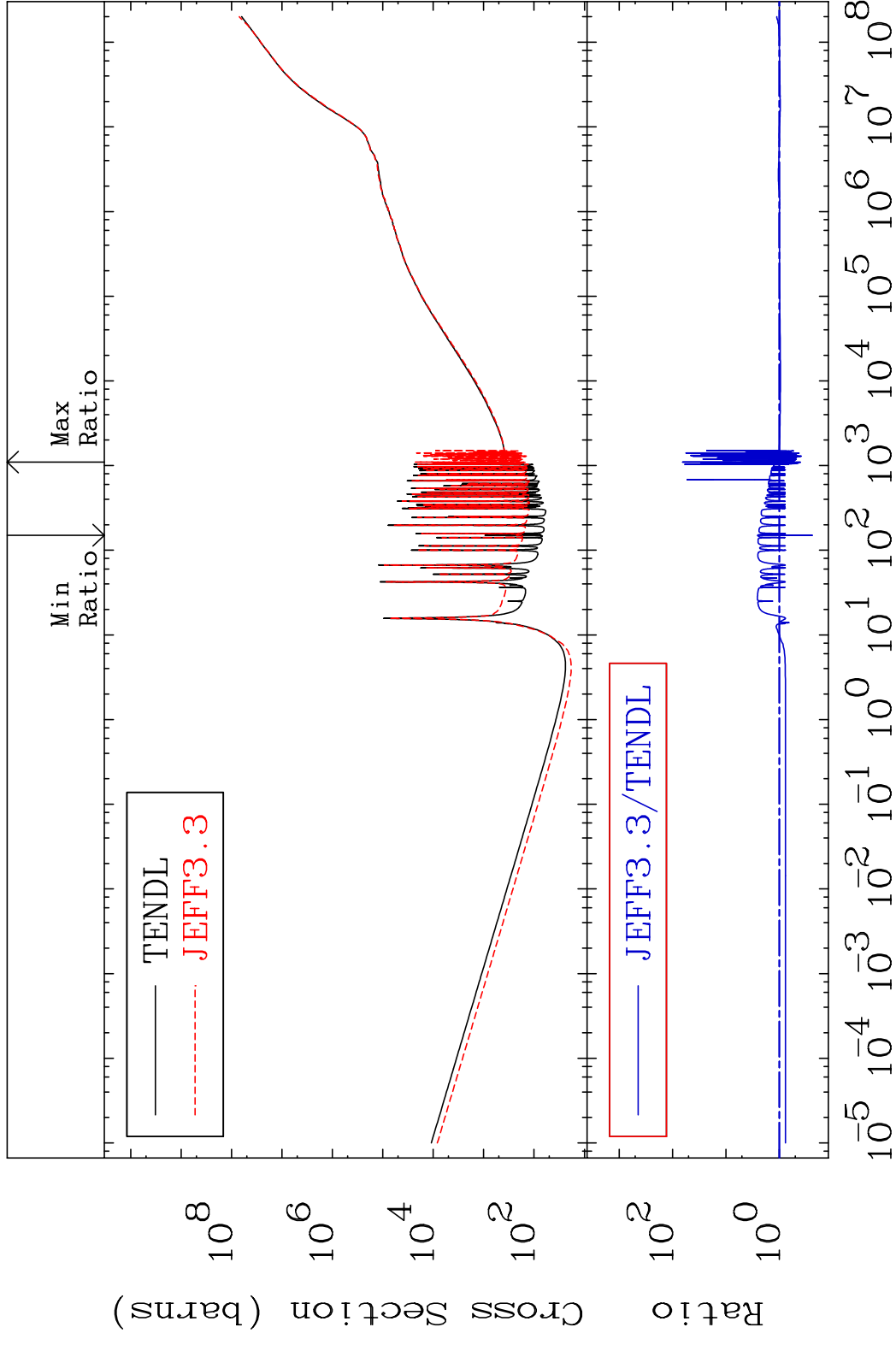
Incident Energy (eV)

44-Ru-101

MAT 4440 Total photon (eV-barns) 44-Ru-101
 Cross Section -99.49 To 9999. %



MAT 4440 Total kinematic kerma (high limit) 44-Ru-101
 Cross Section -76.29 To 6432. %

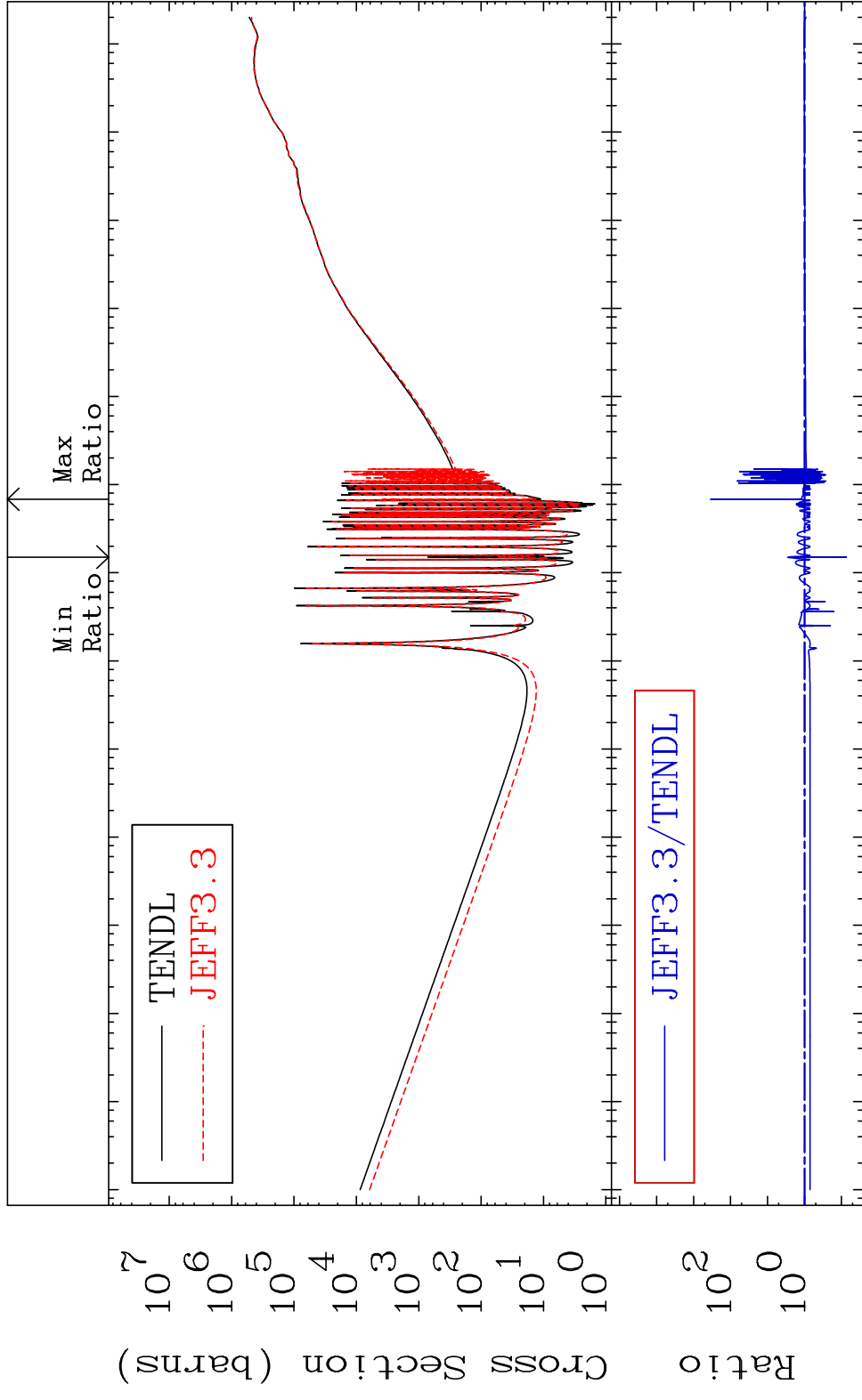


MAT 4440

Dpa total (eV-barns)

44-Ru-101

Cross Section -92.61 To 9999. %



63

Incident Energy (eV)

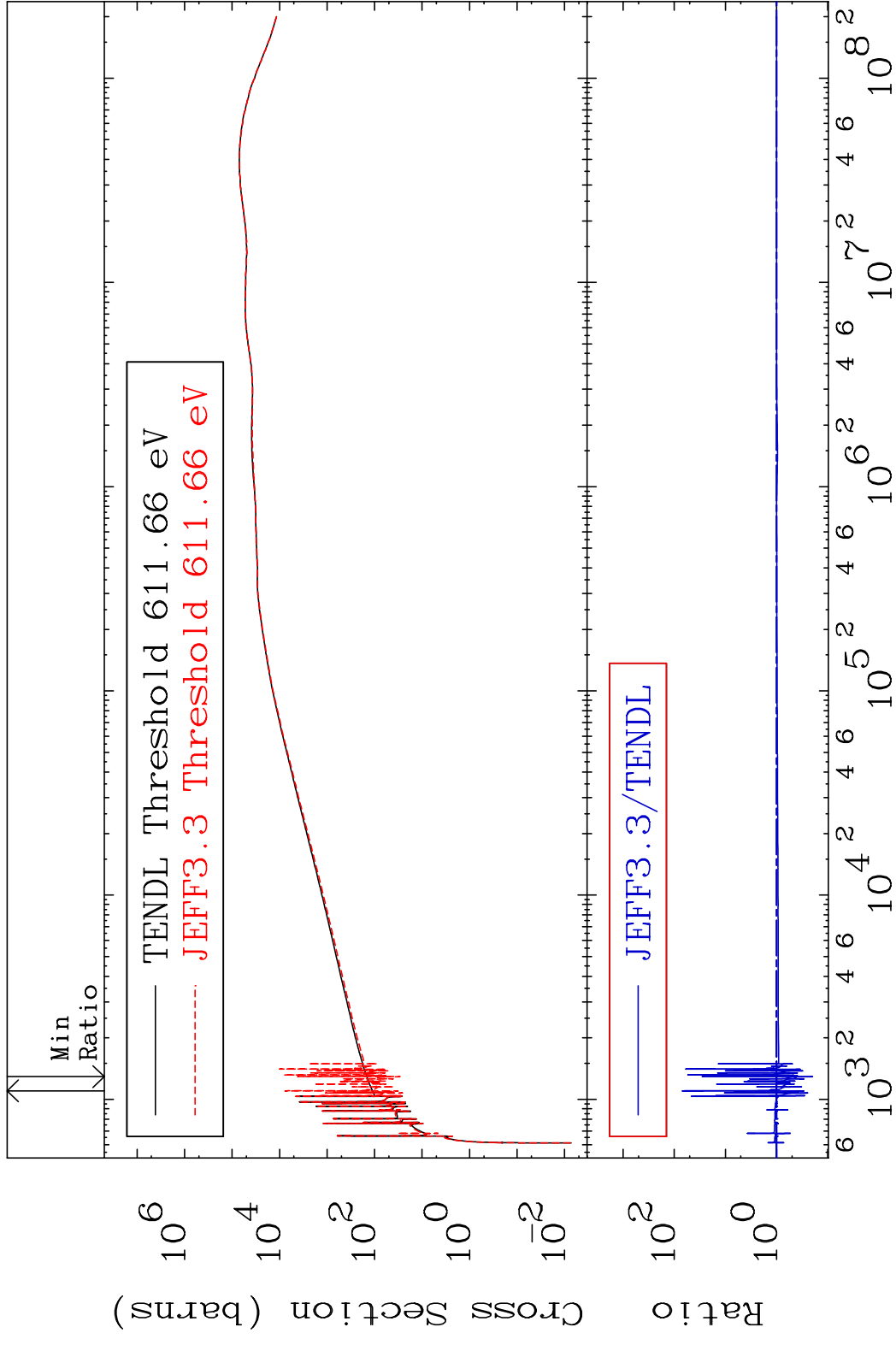
44-Ru-101

MAT 4440

Dpa elastic (mt2)

44-Ru-101

Cross Section -80.19 To 6855. %

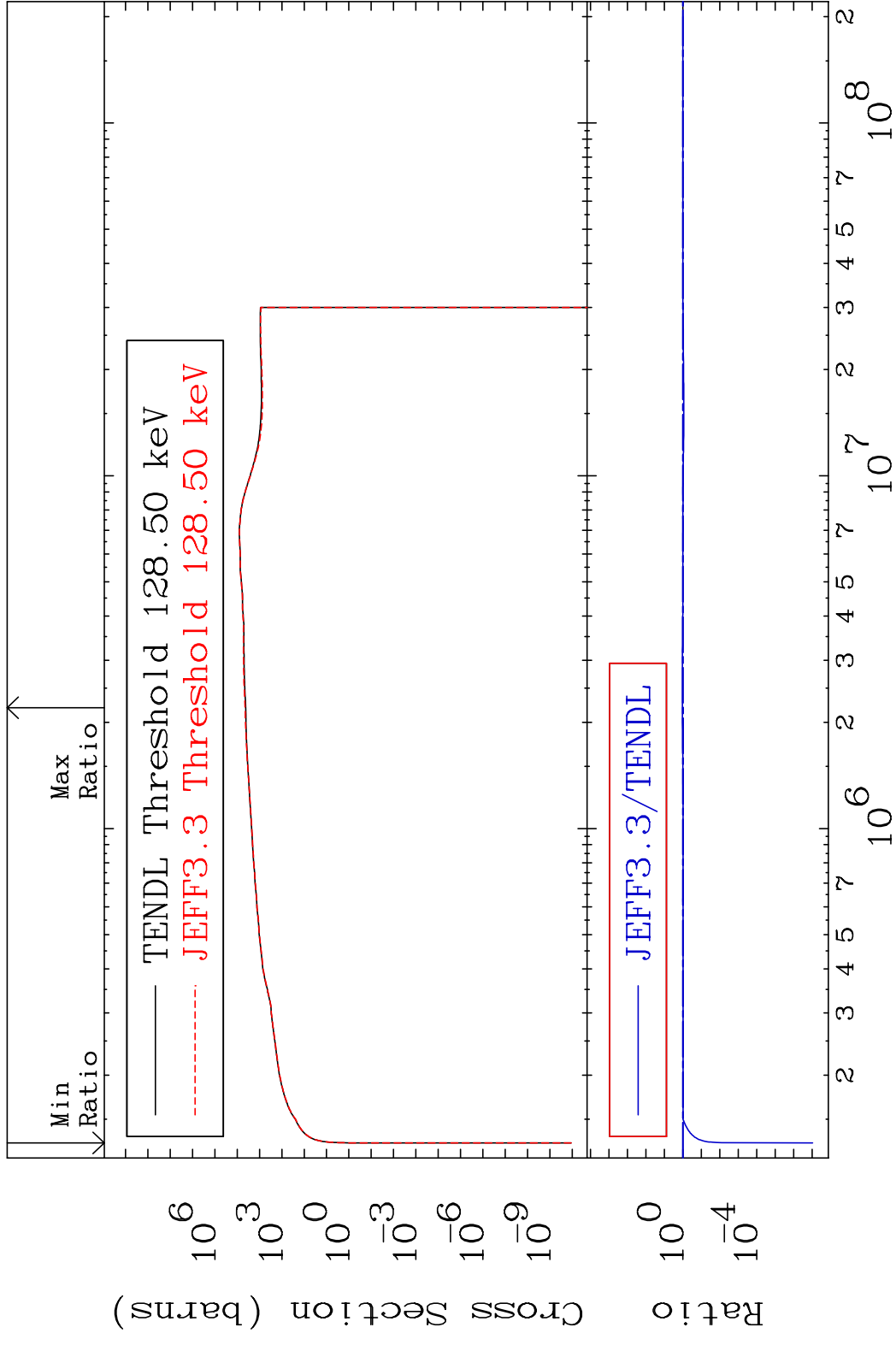


64

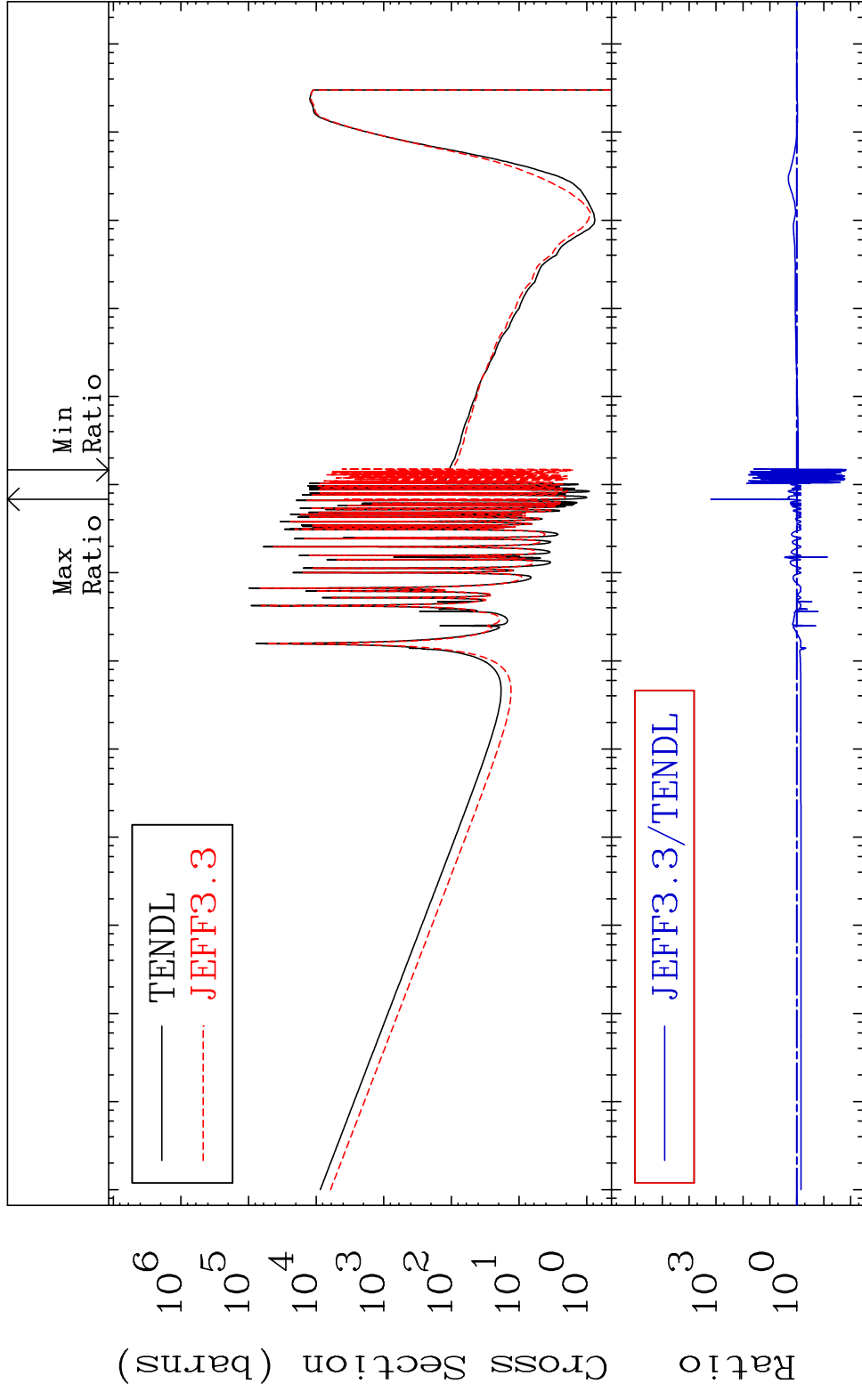
Incident Energy (eV)

44-Ru-101

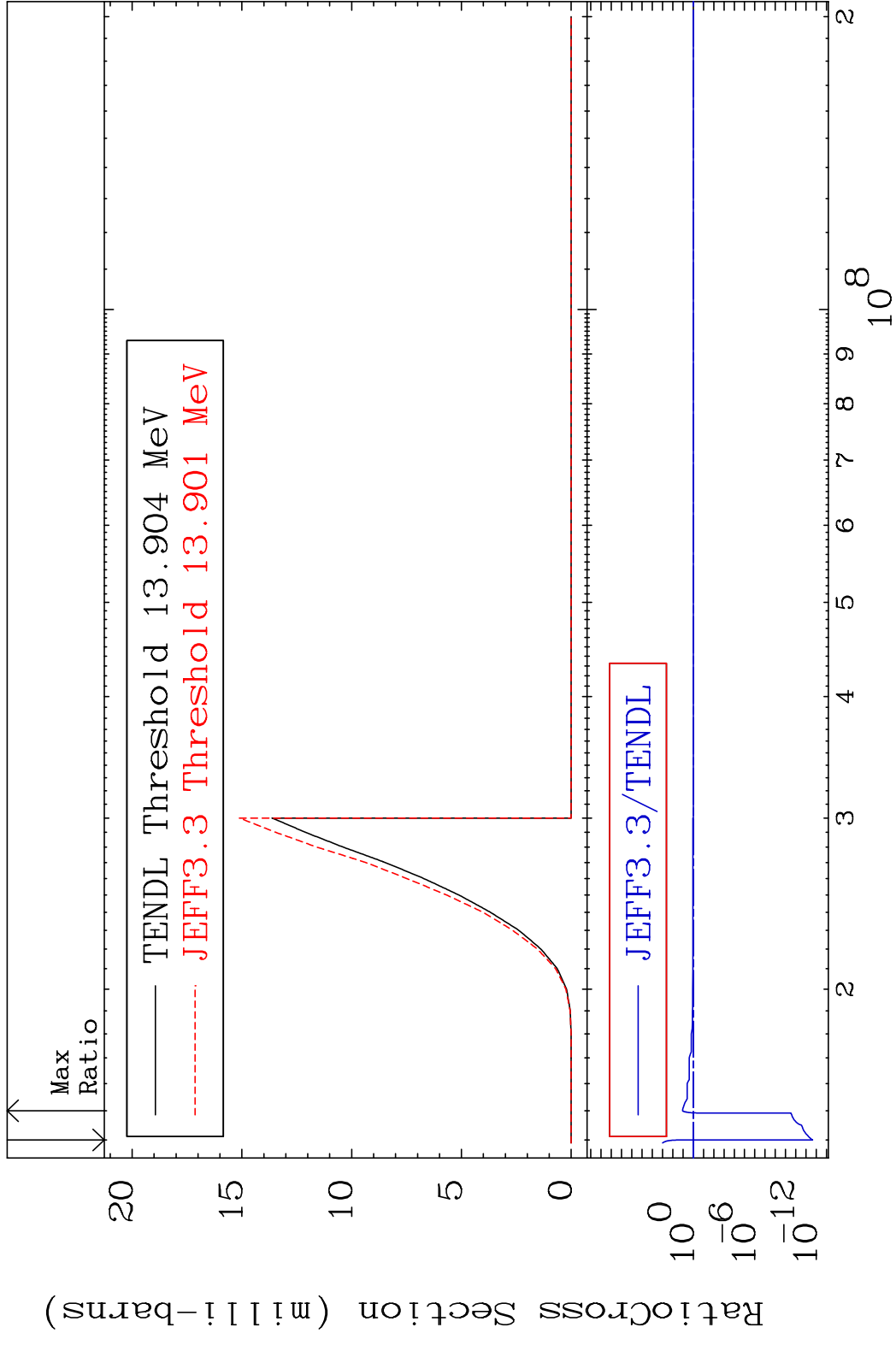
MAT 4440 Dpa inelastic (mt51-91) 44-Ru-101
 Cross Section -100.0 To 6.941 %



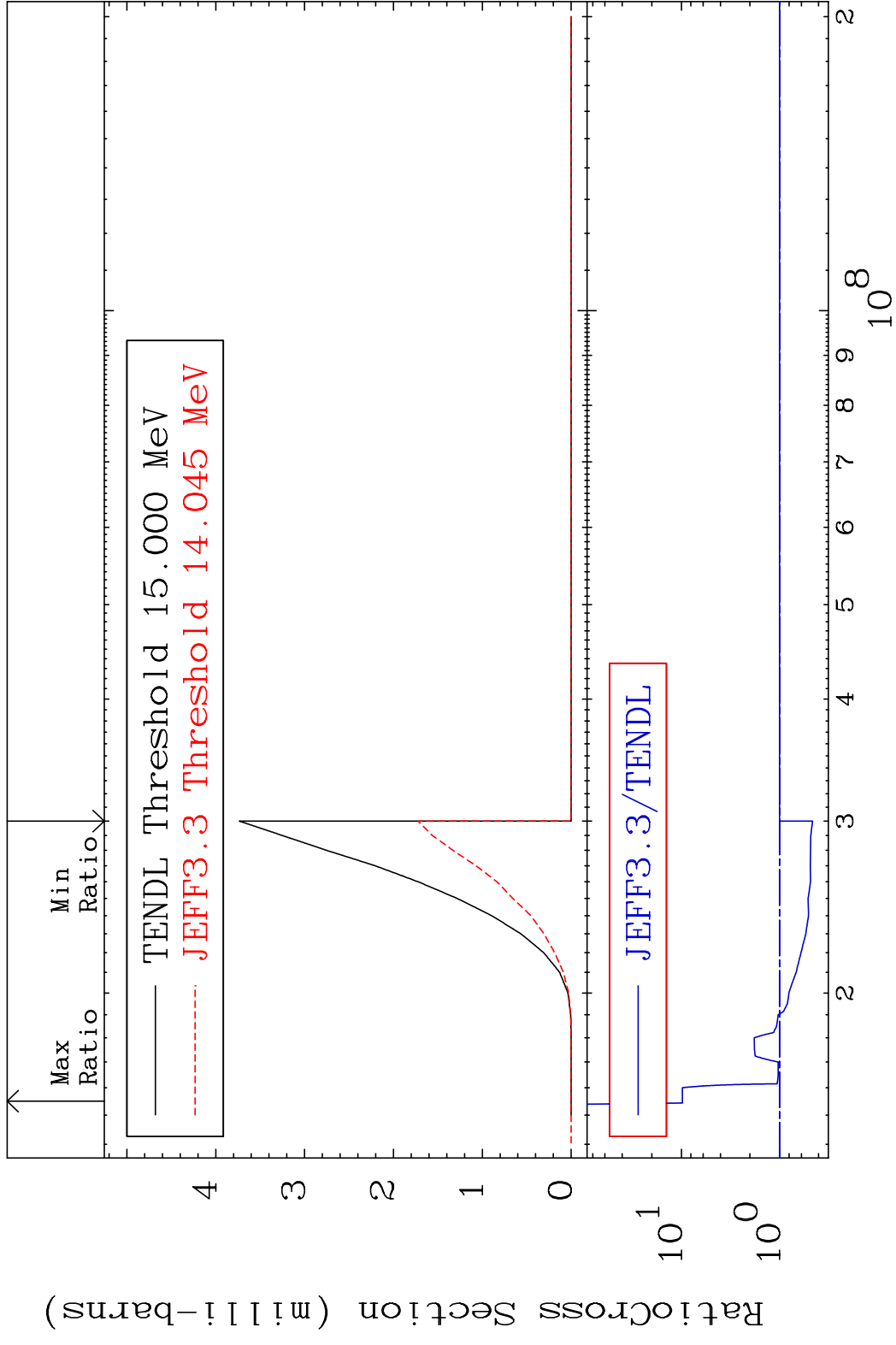
MAT 4440 Dpa disappearance (mt102 -120) 44-Ru-101
 Cross Section -98.55 To 9999. %

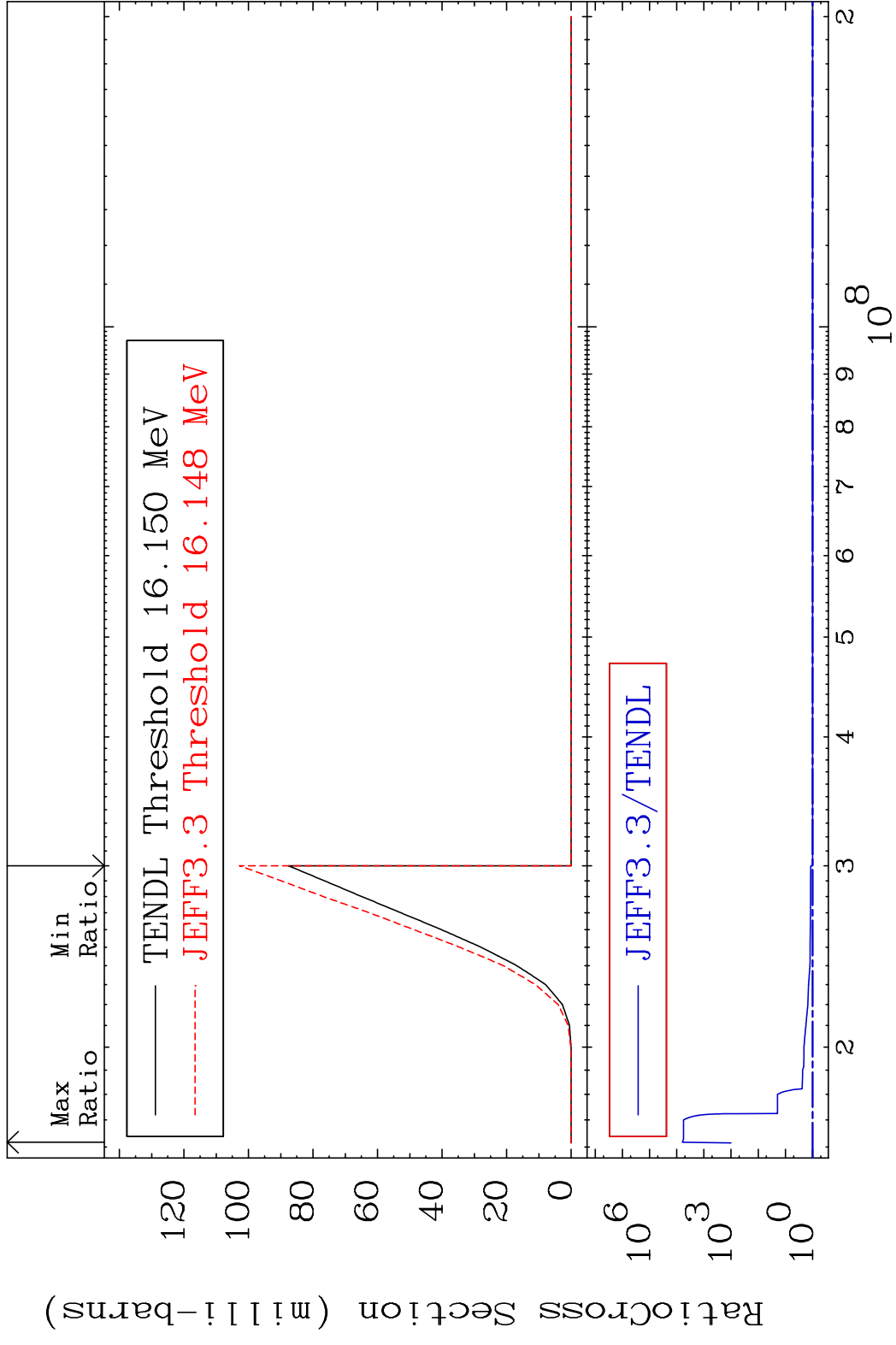


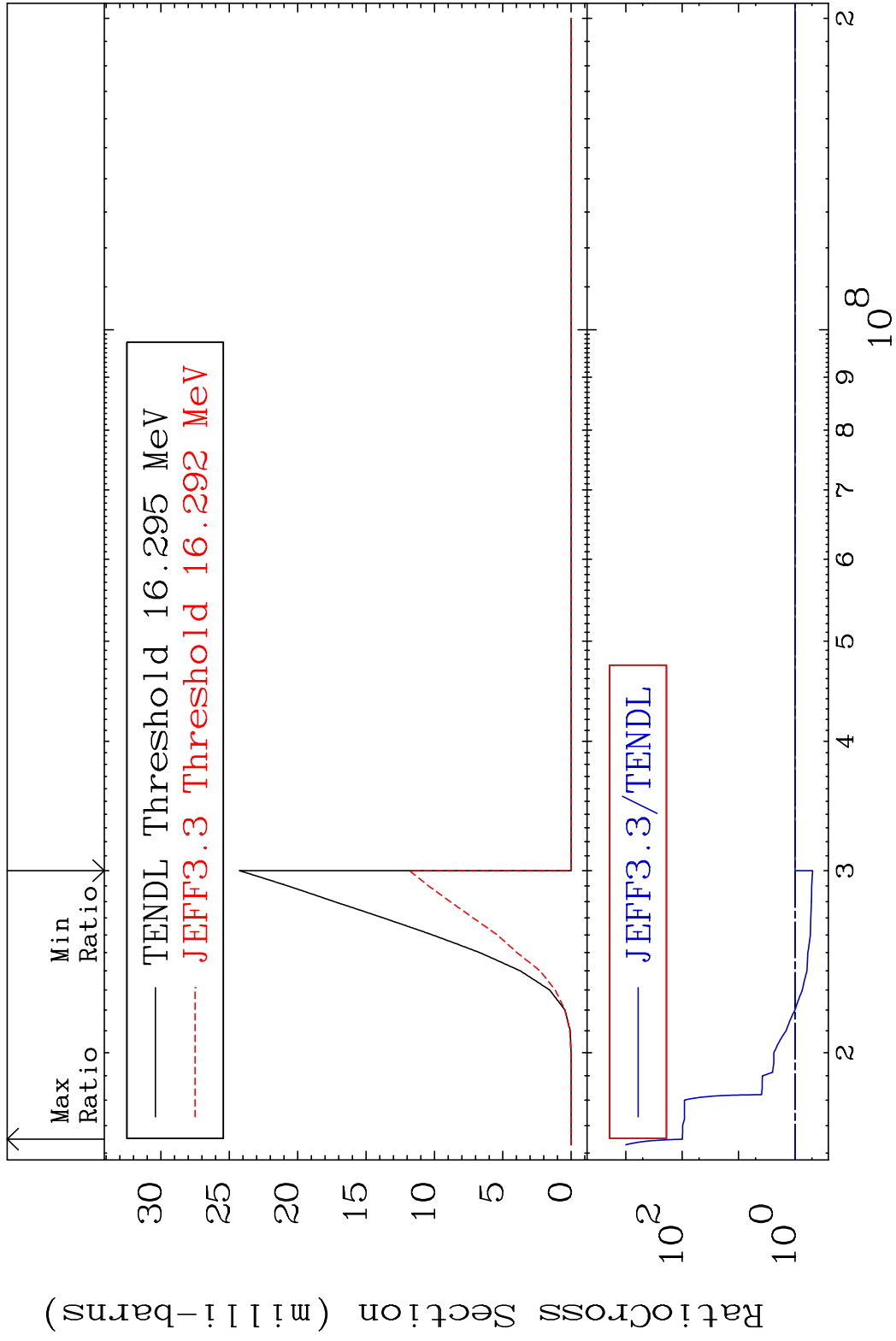
MAT 4440 (n, n') d:43-Tc-99g 44-Ru-101
 Radionuclide Production Cross Section 100.00 dth 1066. %



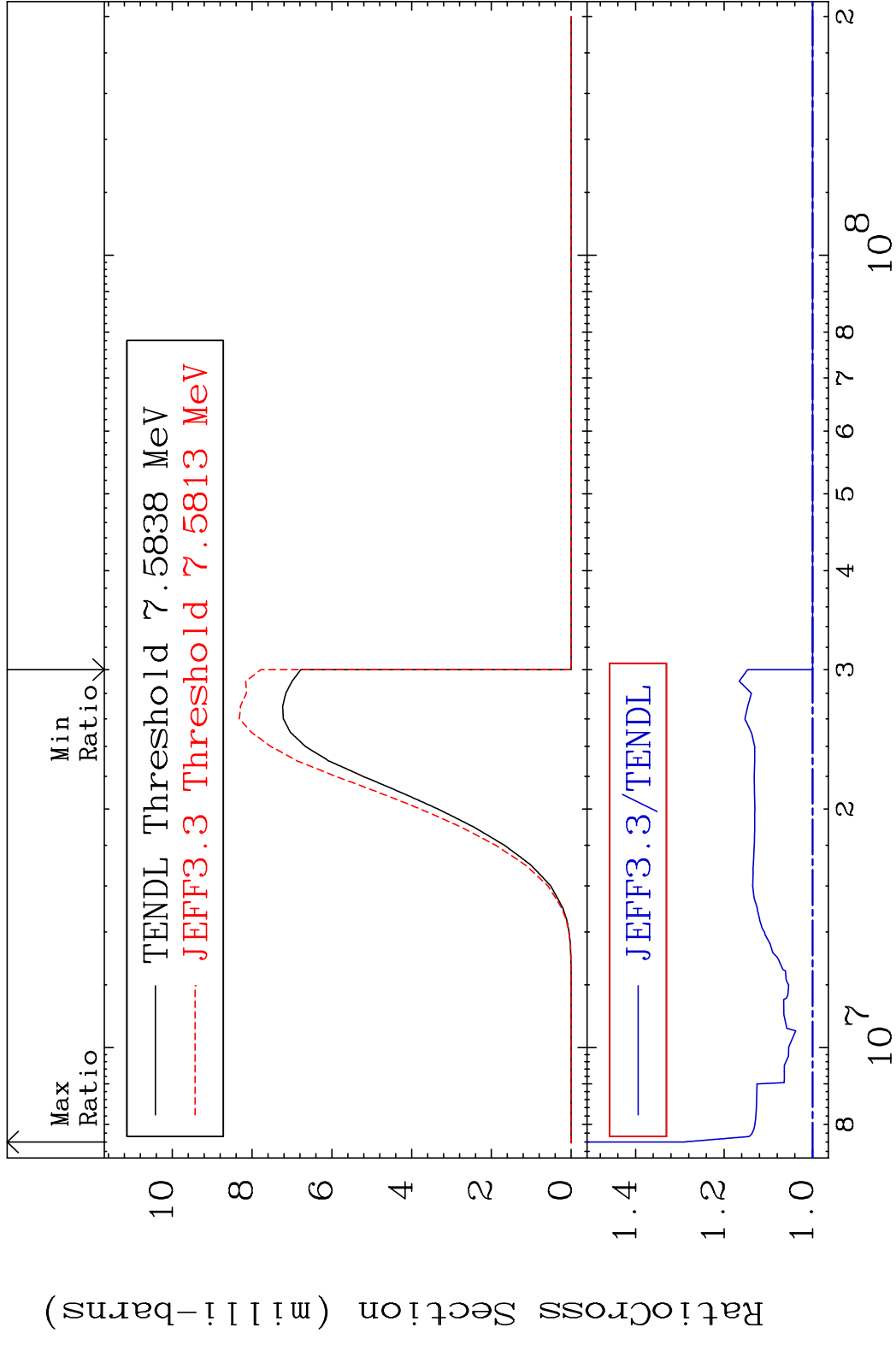
MAT 4440 (n, n') d:43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 53e671d10 877.2 %







MAT 4440 (n, t): 43-Tc-99g 44-Ru-101
 Radionuclide Production Cross Section 29.43 %



MAT 4440 (n,t):43-Tc-99m2 44-Ru-101
 Radionuclide Production Cross Section 58.611 d10 15.53 %

