

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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Press Mouse Button to Start

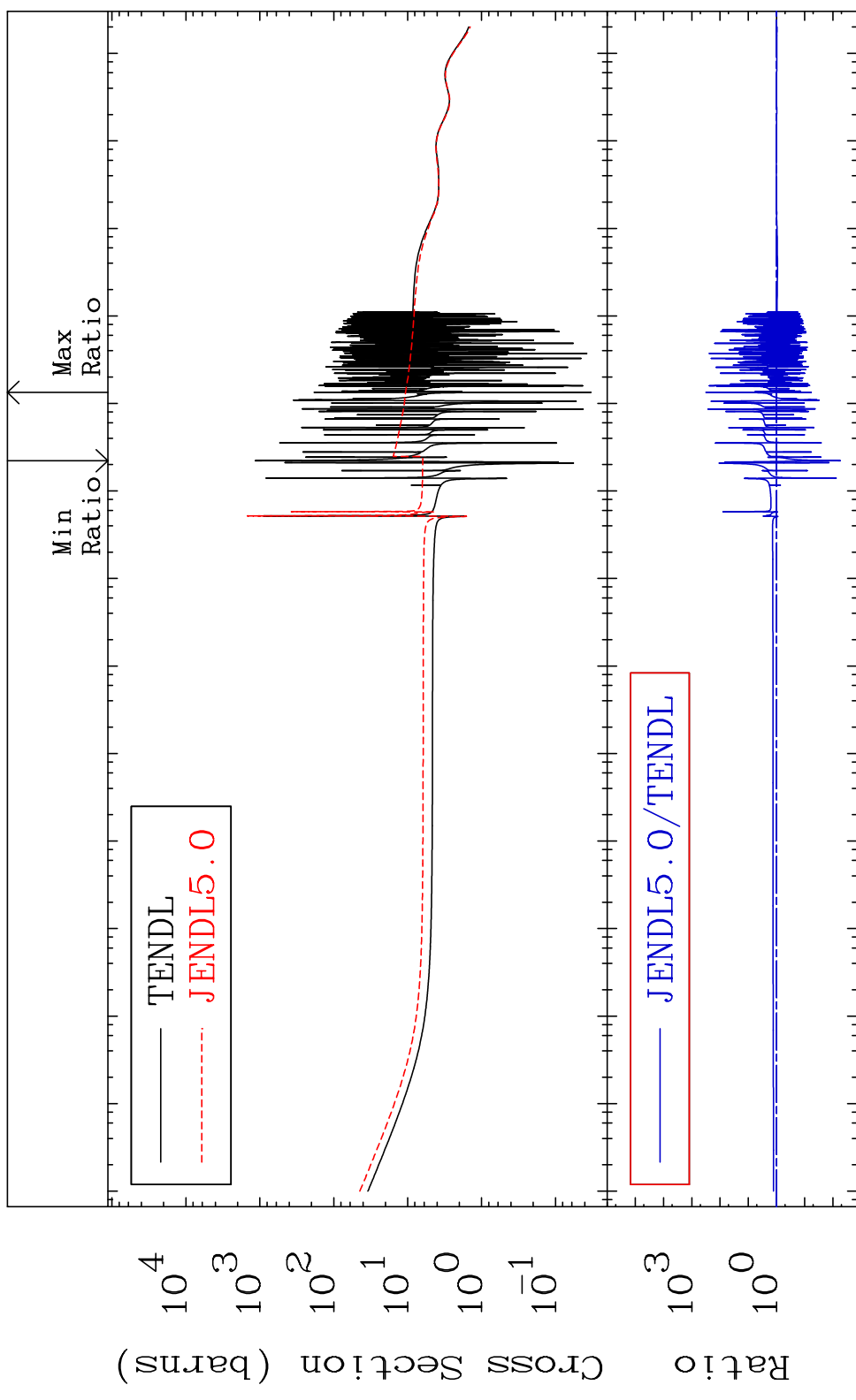
MAT 3643

Total

36-Kr-84

Cross Section

-99.46 To 9999. %



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

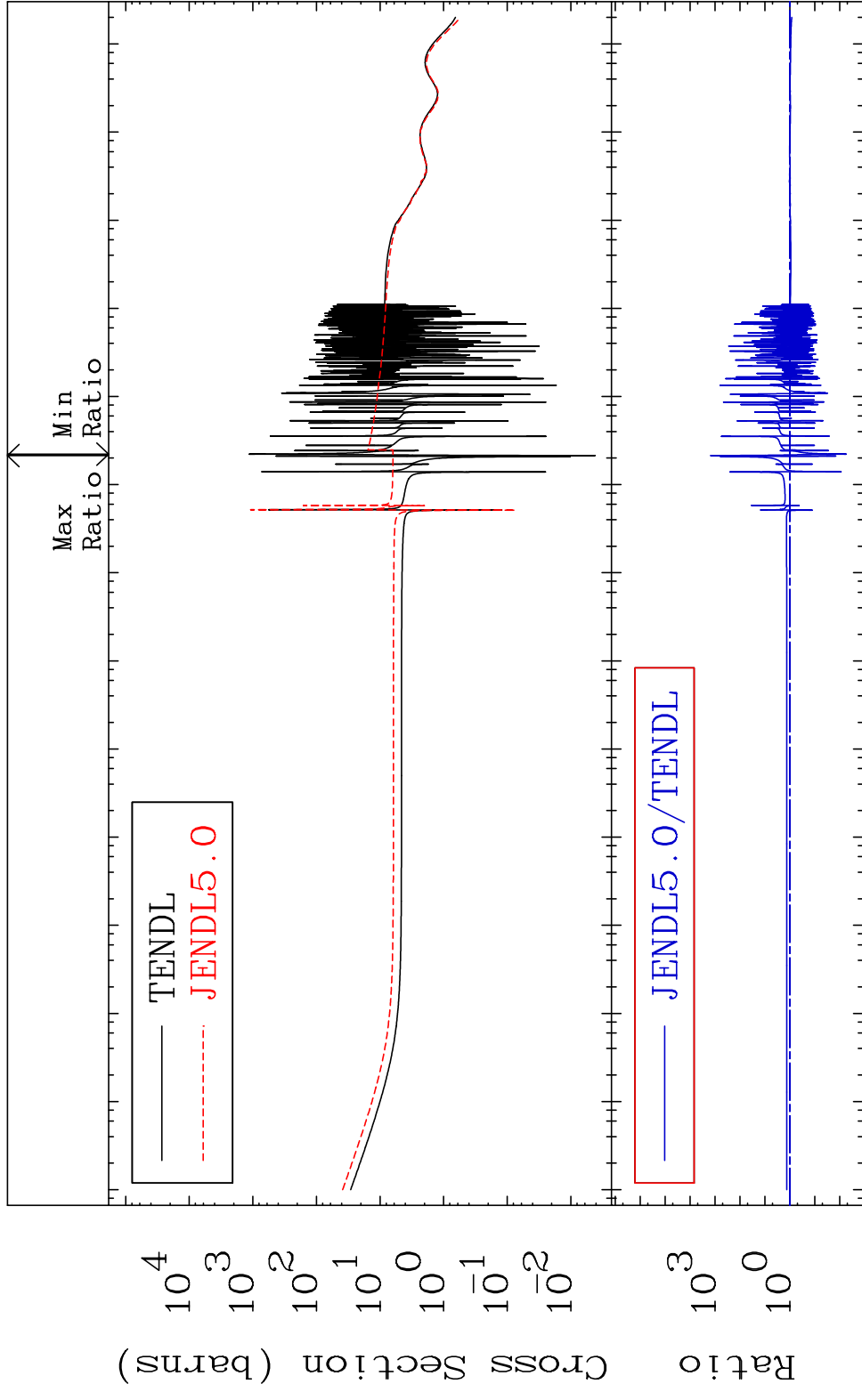
1

Incident Energy (eV)

36-Kr-84

MAT 3643

Elastic Cross Section -99.45 To 9999. %
36-Kr-84



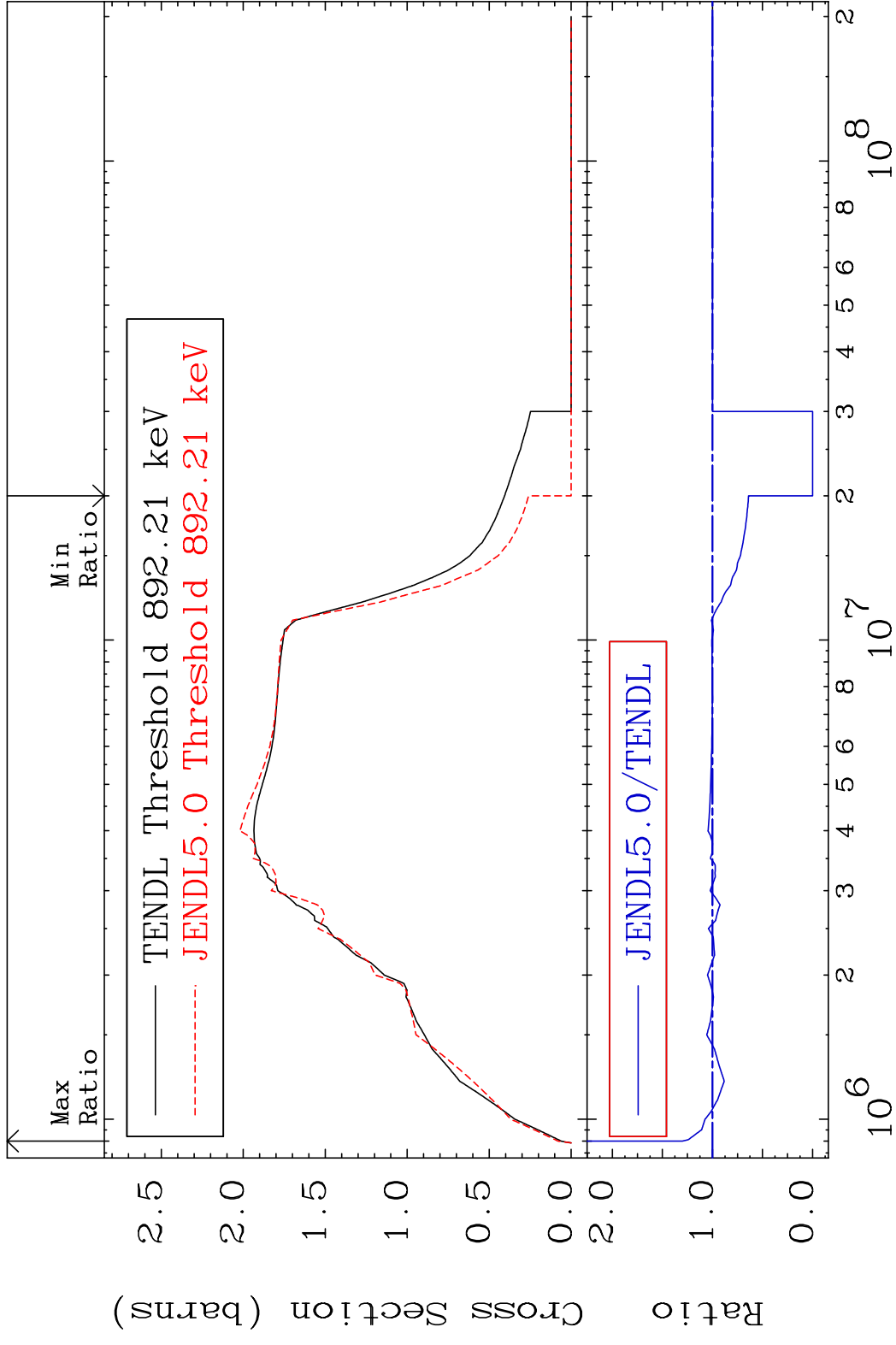
Ratio
10³
10⁰

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

Incident Energy (eV)

2 36-Kr-84

MAT 3643 Inelastic Cross Section -100.0 To 30.08 % 36-Kr-84



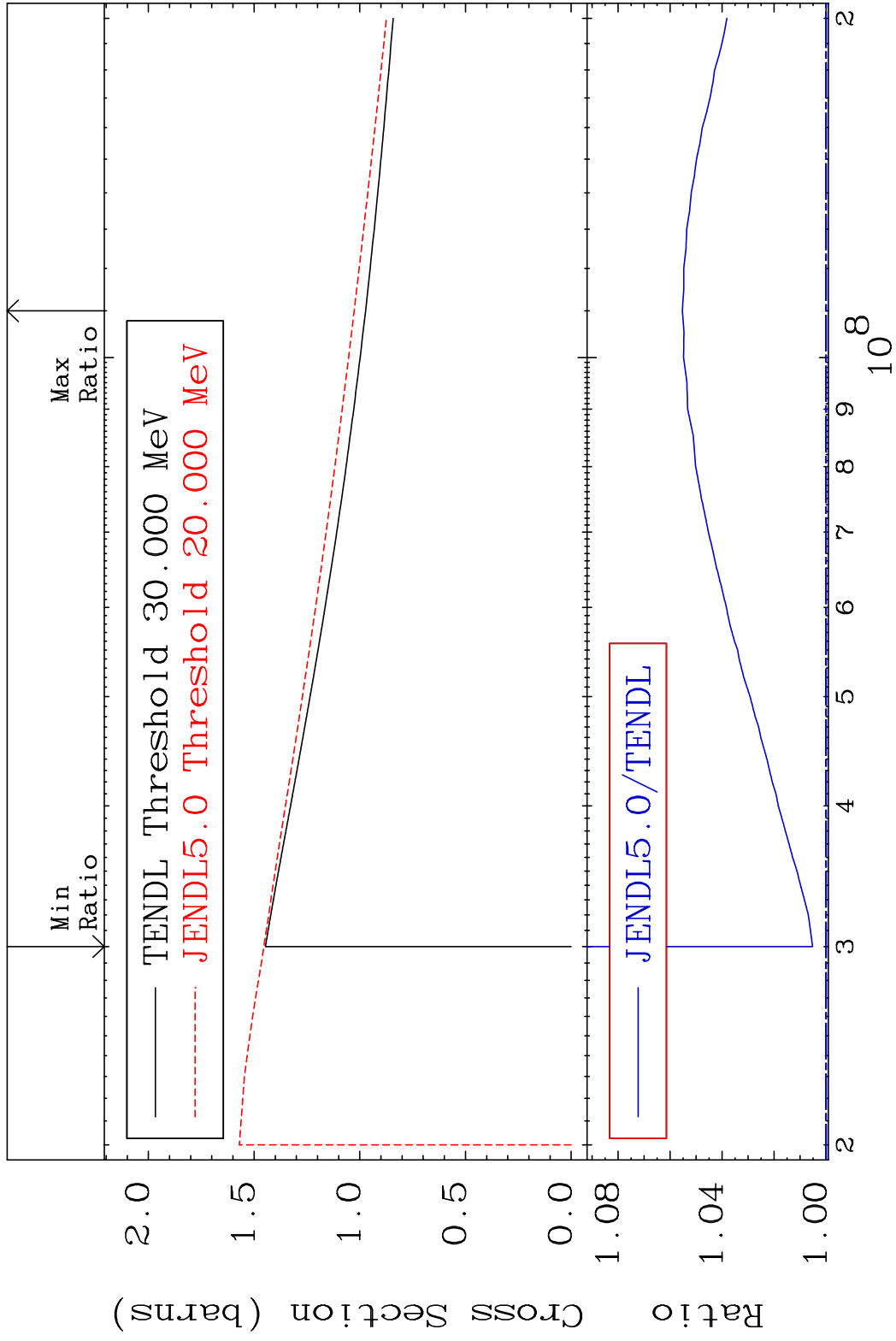
3 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 2 36-Kr-84

MAT 3643

(n, remainder)

36-Kr-84

Cross Section 0.522 To 5.531 %

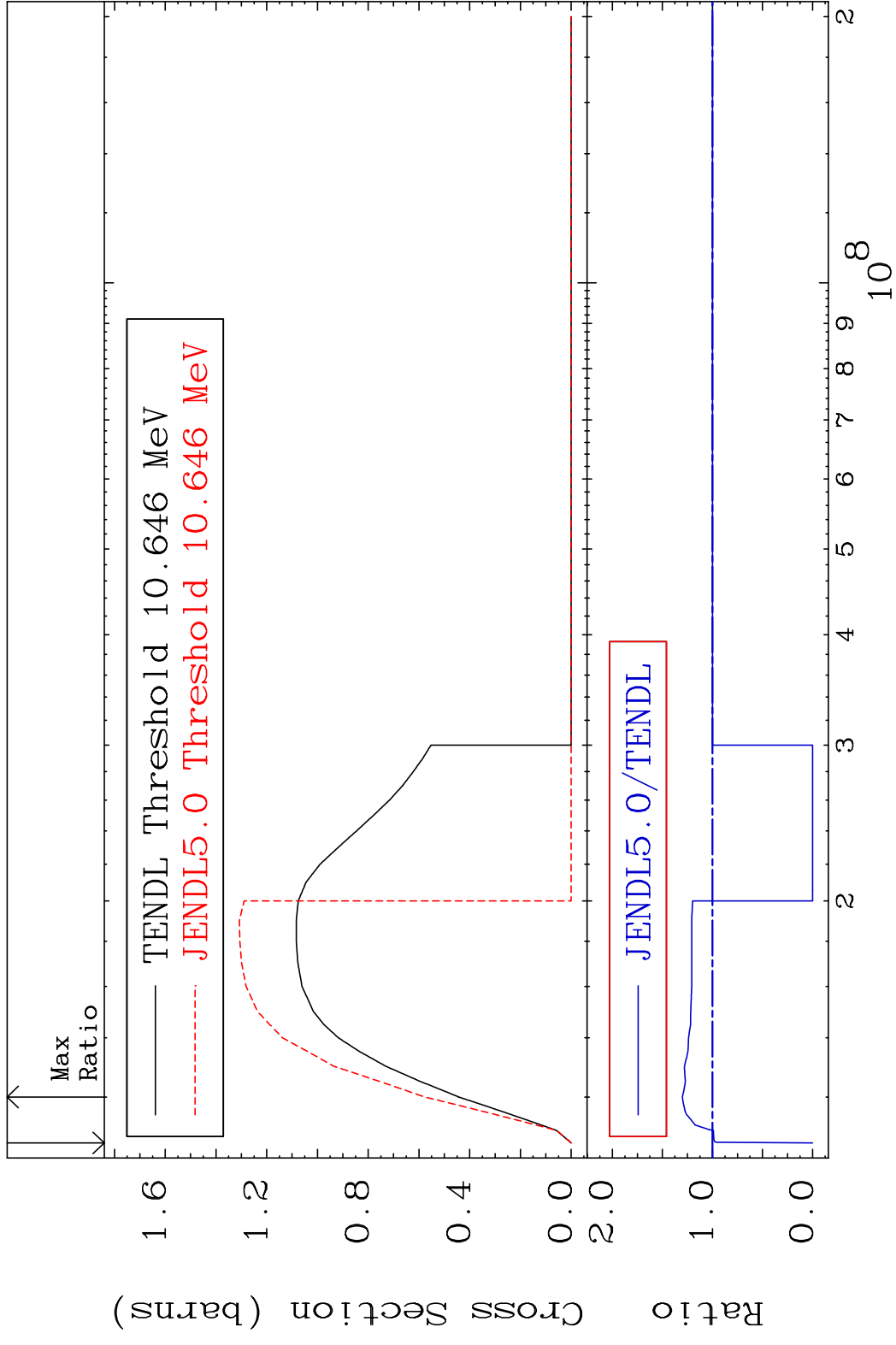


4

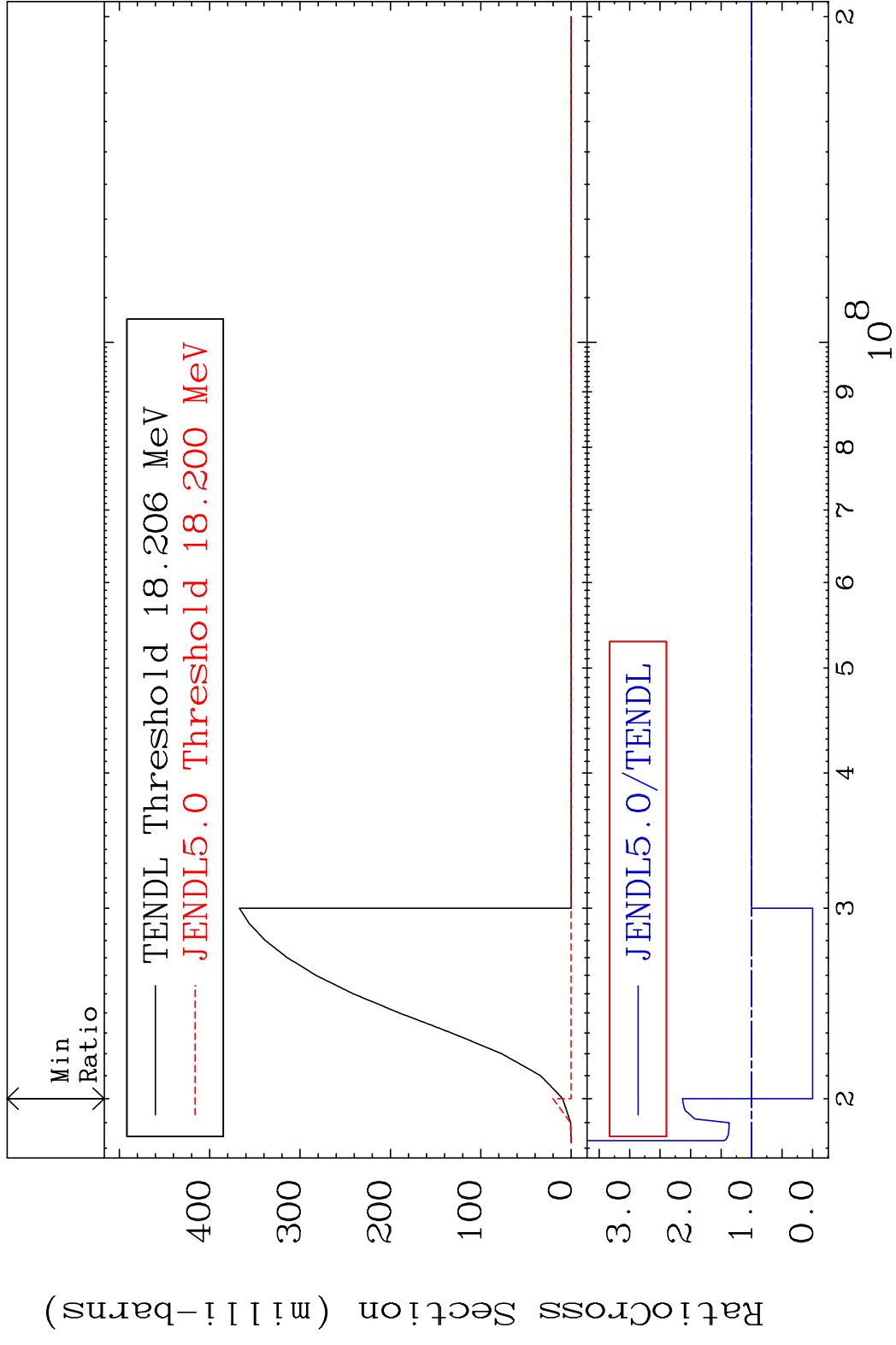
Incident Energy (eV)

36-Kr-84

MAT 3643 (n,2n) 36-Kr-84
 Cross Section -100.0 To 30.06 %



MAT 3643 (n,3n) 36-Kr-84
 Cross Section -100.0 To 113.5 %

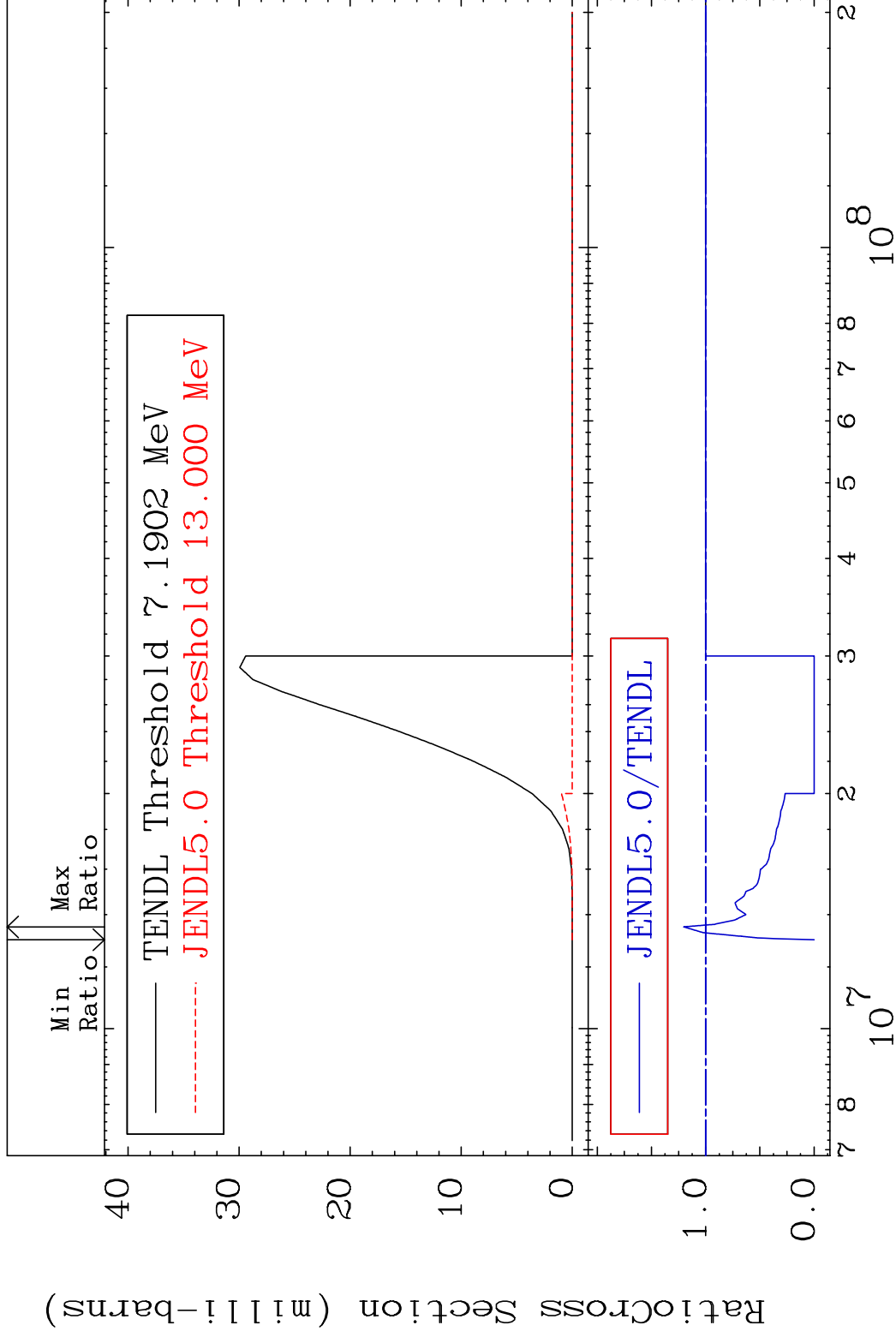


MAT 3643

(n, n') α

36-Kr-84

Cross Section -100.0 To 20.31 %

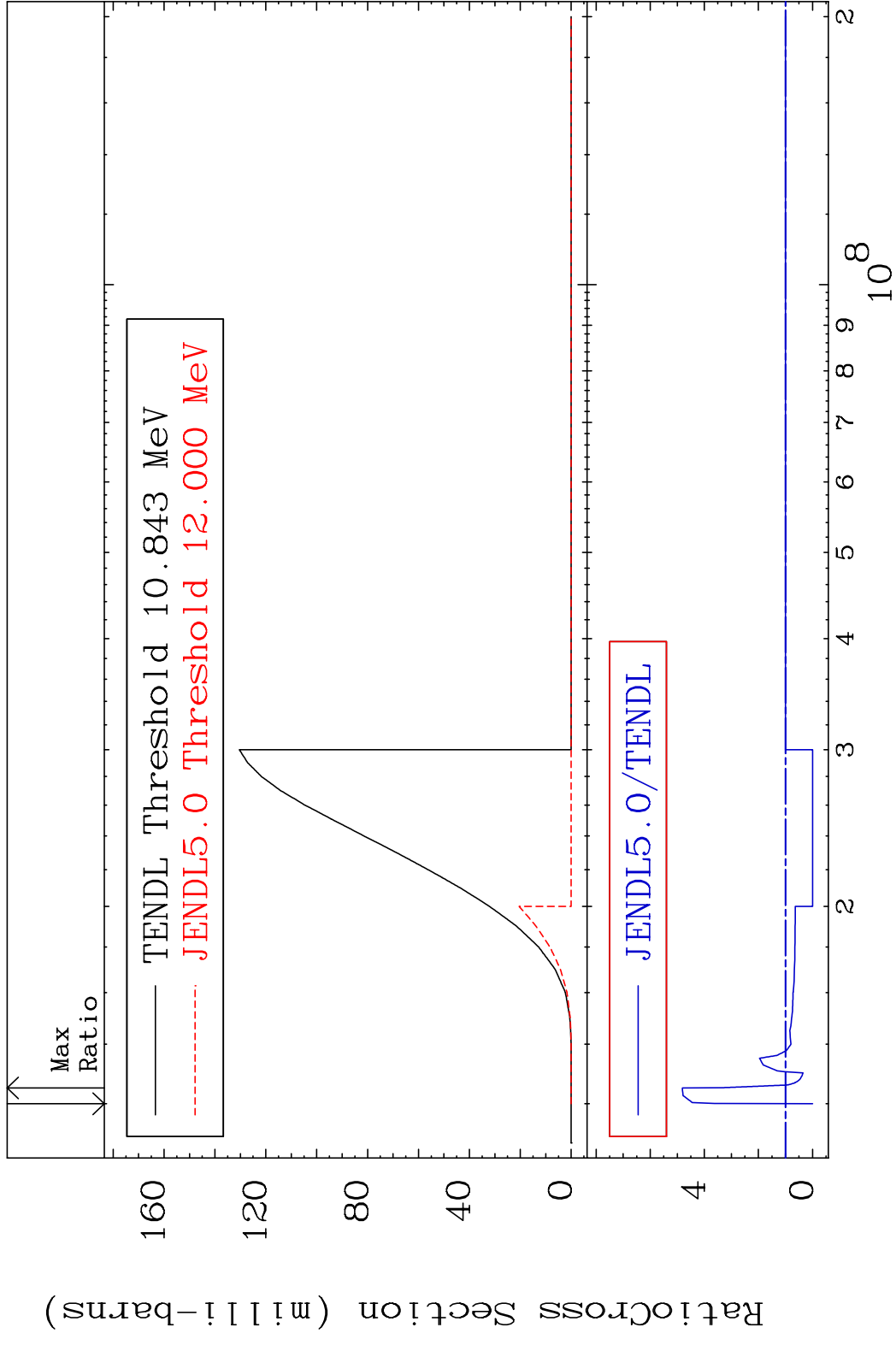


7

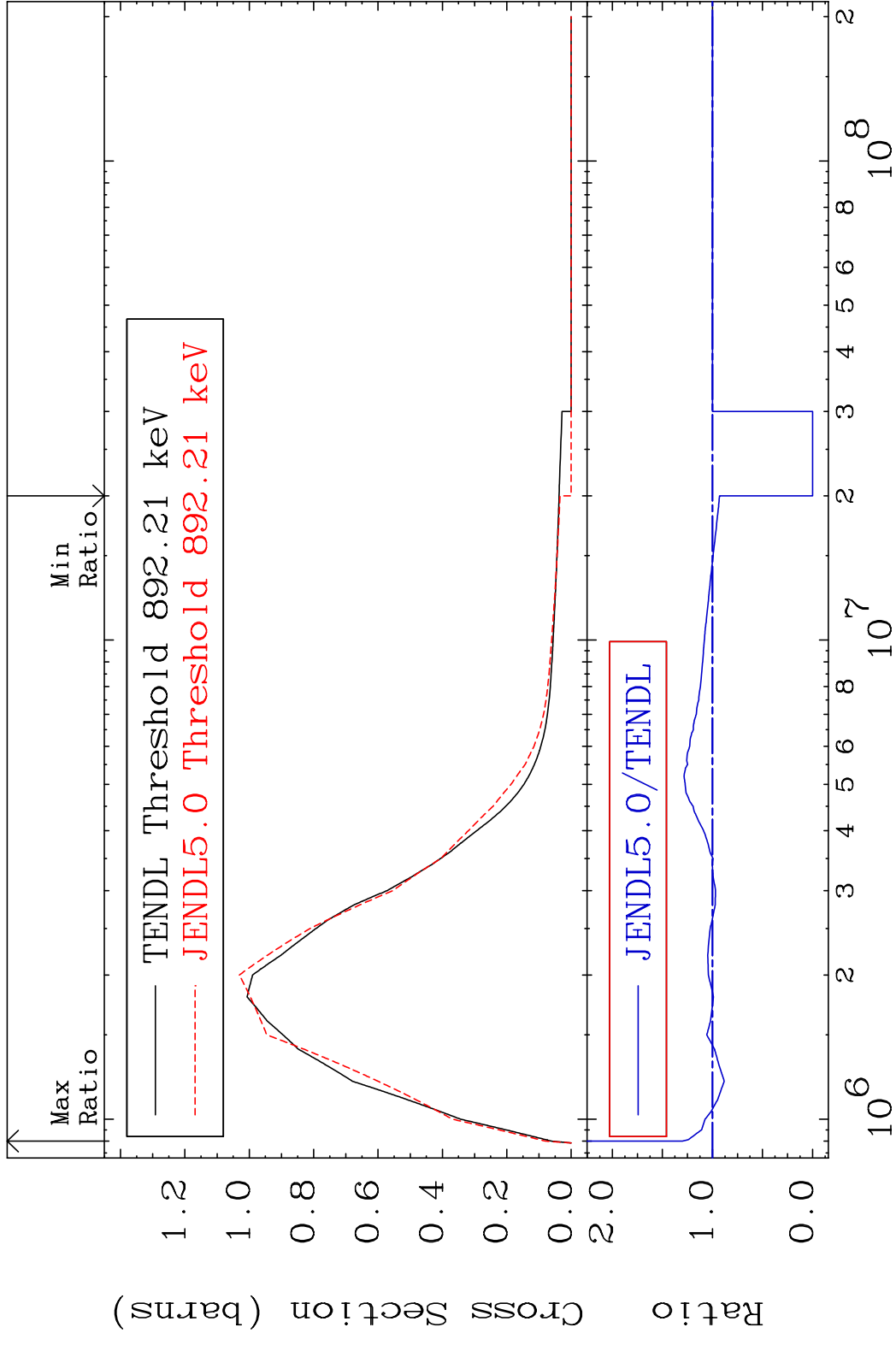
Incident Energy (eV)

36-Kr-84

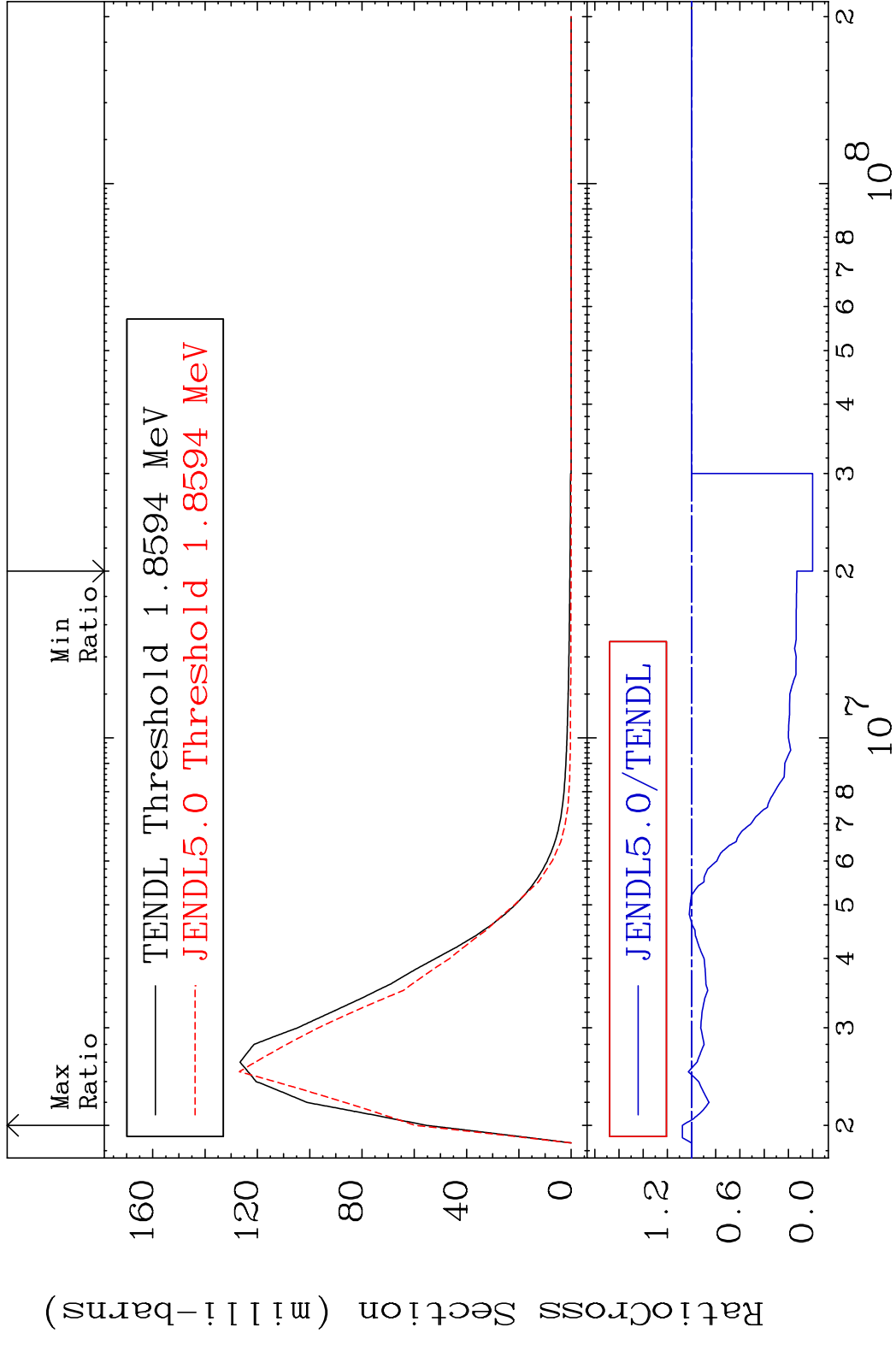
MAT 3643 (n, n') p 36-Kr-84
 Cross Section -100.0 To 381.2 %



MAT 3643 MT= 51 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 30.08 %



MAT 3643 MT= 52 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 7.596 %

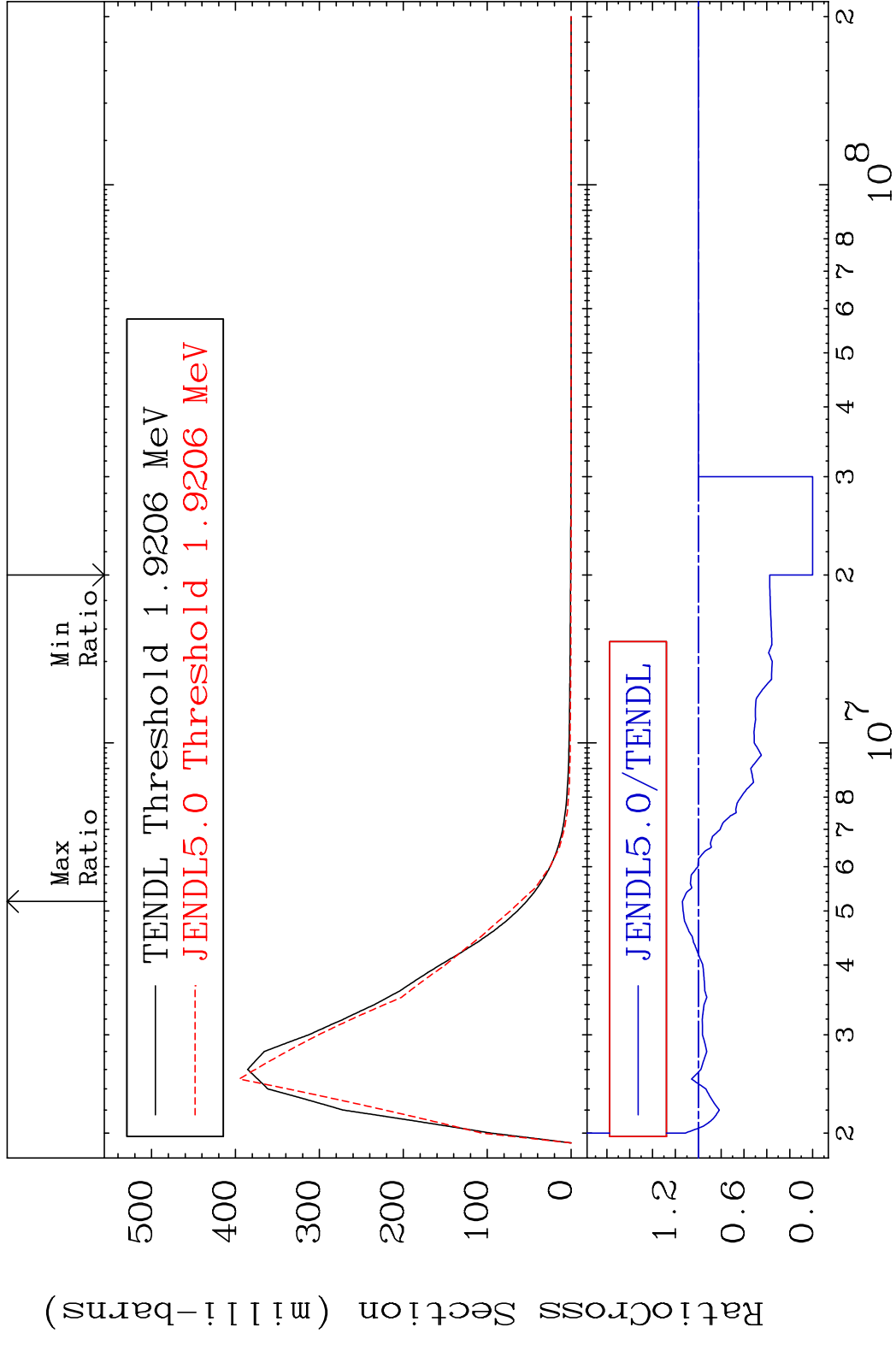


10

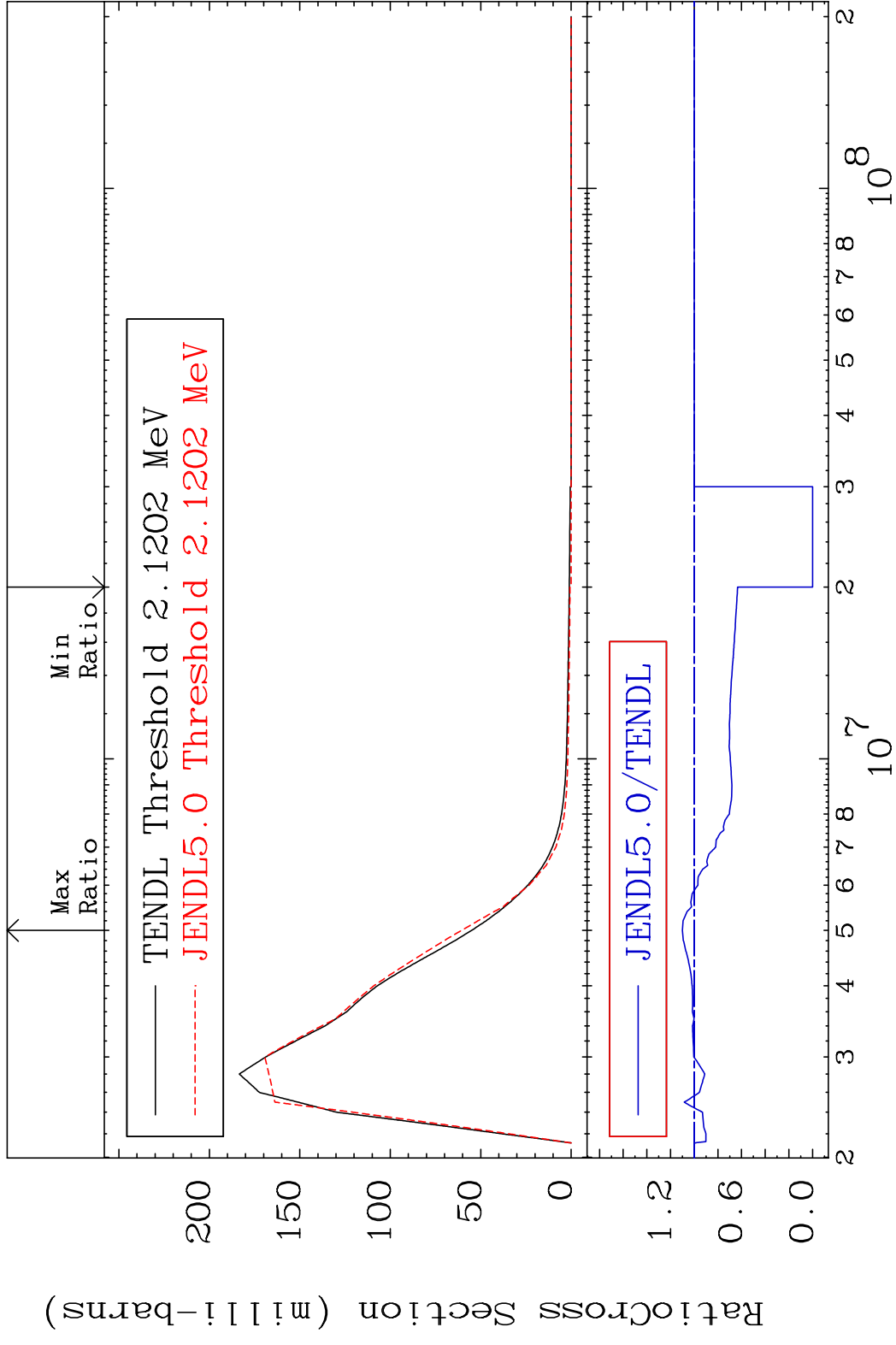
Incident Energy (eV)

36-Kr-84

MAT 3643 MT= 53 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 13.93 %

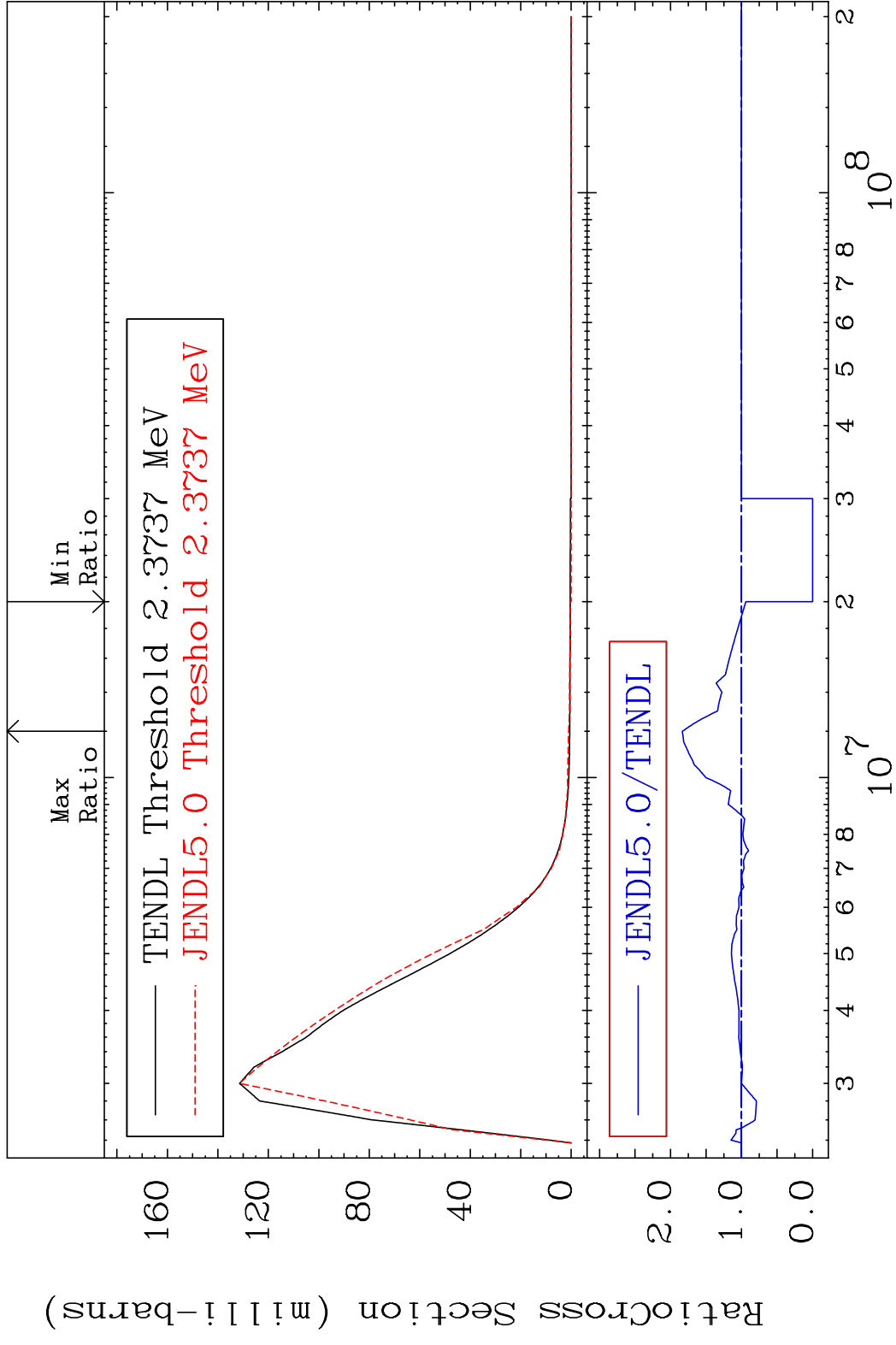


MAT 3643 MT= 54 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 10.02 %

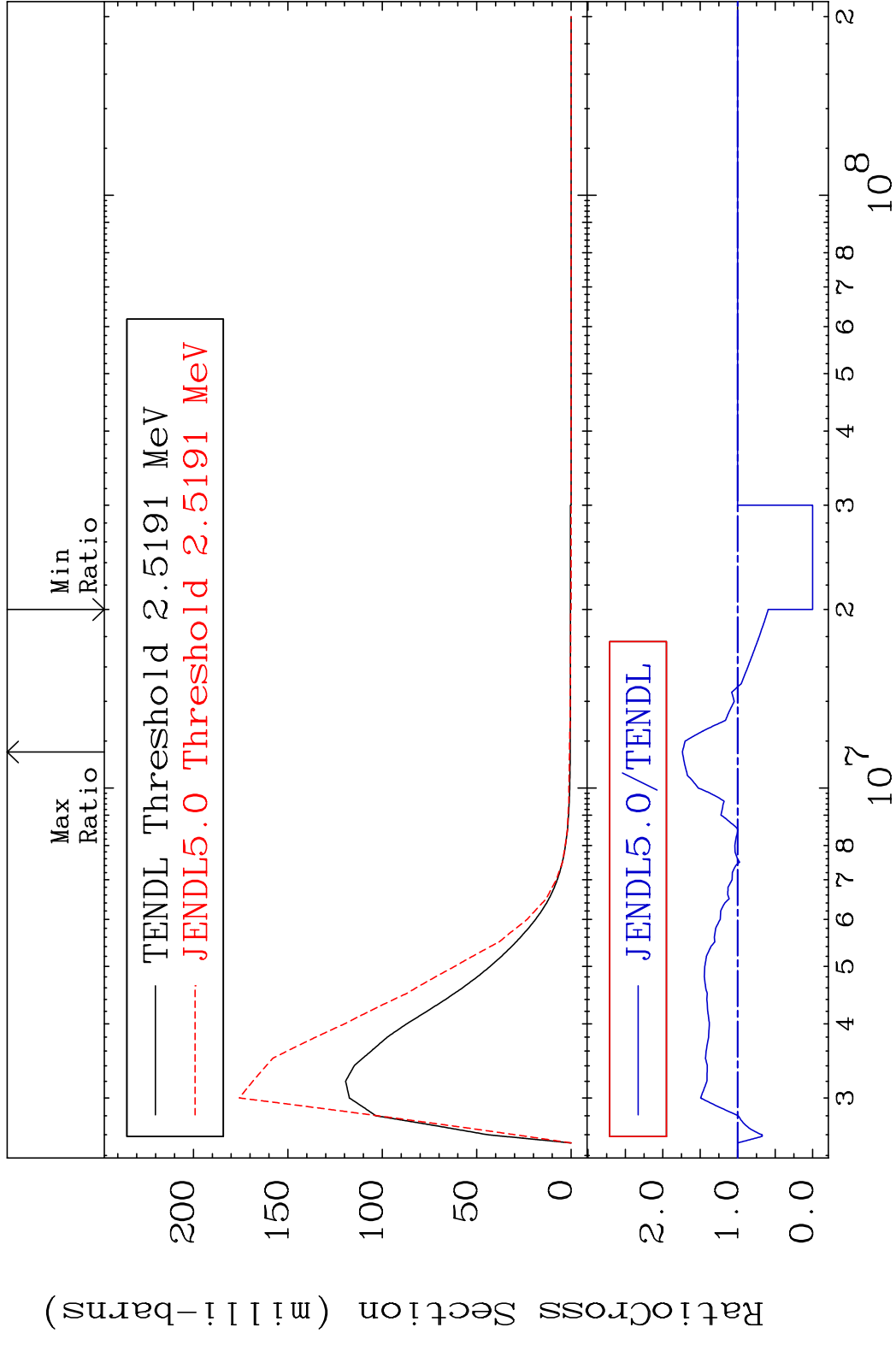


12 Incident Energy (eV) 36-Kr-84

MAT 3643 MT= 55 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 83.39 %

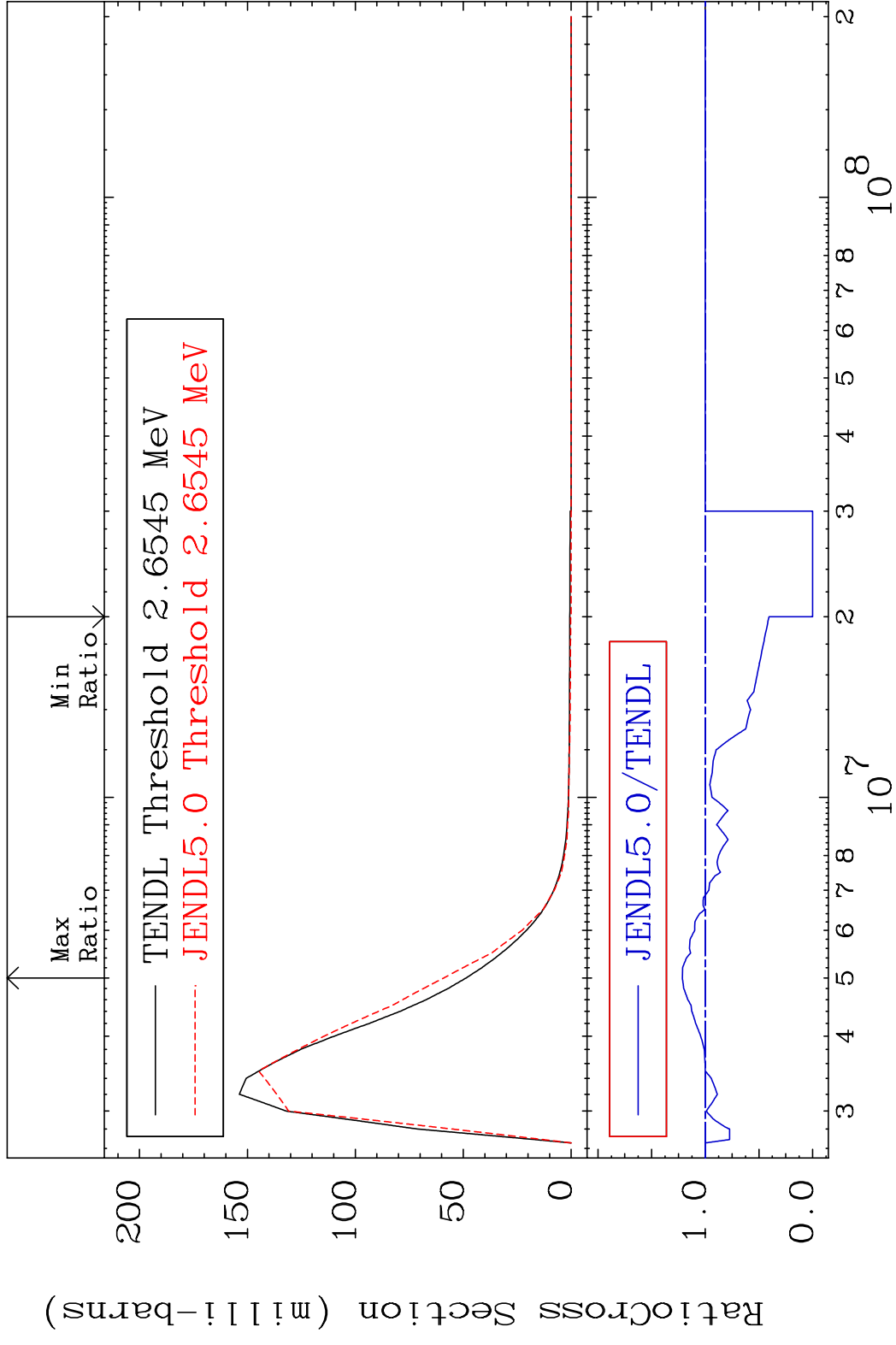


MAT 3643 MT= 56 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 73.89 %



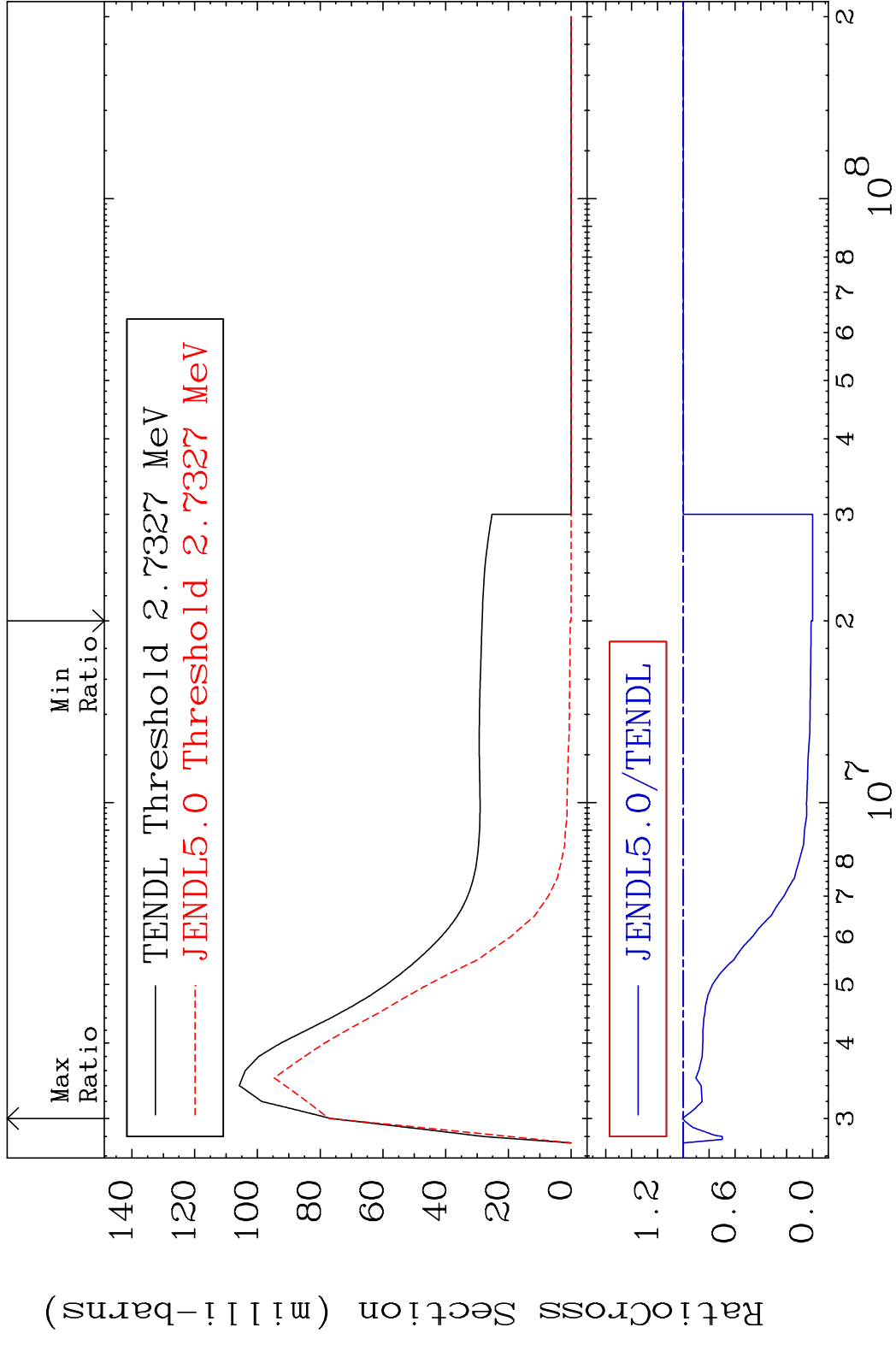
14 Incident Energy (eV) 36-Kr-84

MAT 3643 MT= 57 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 21.35 %

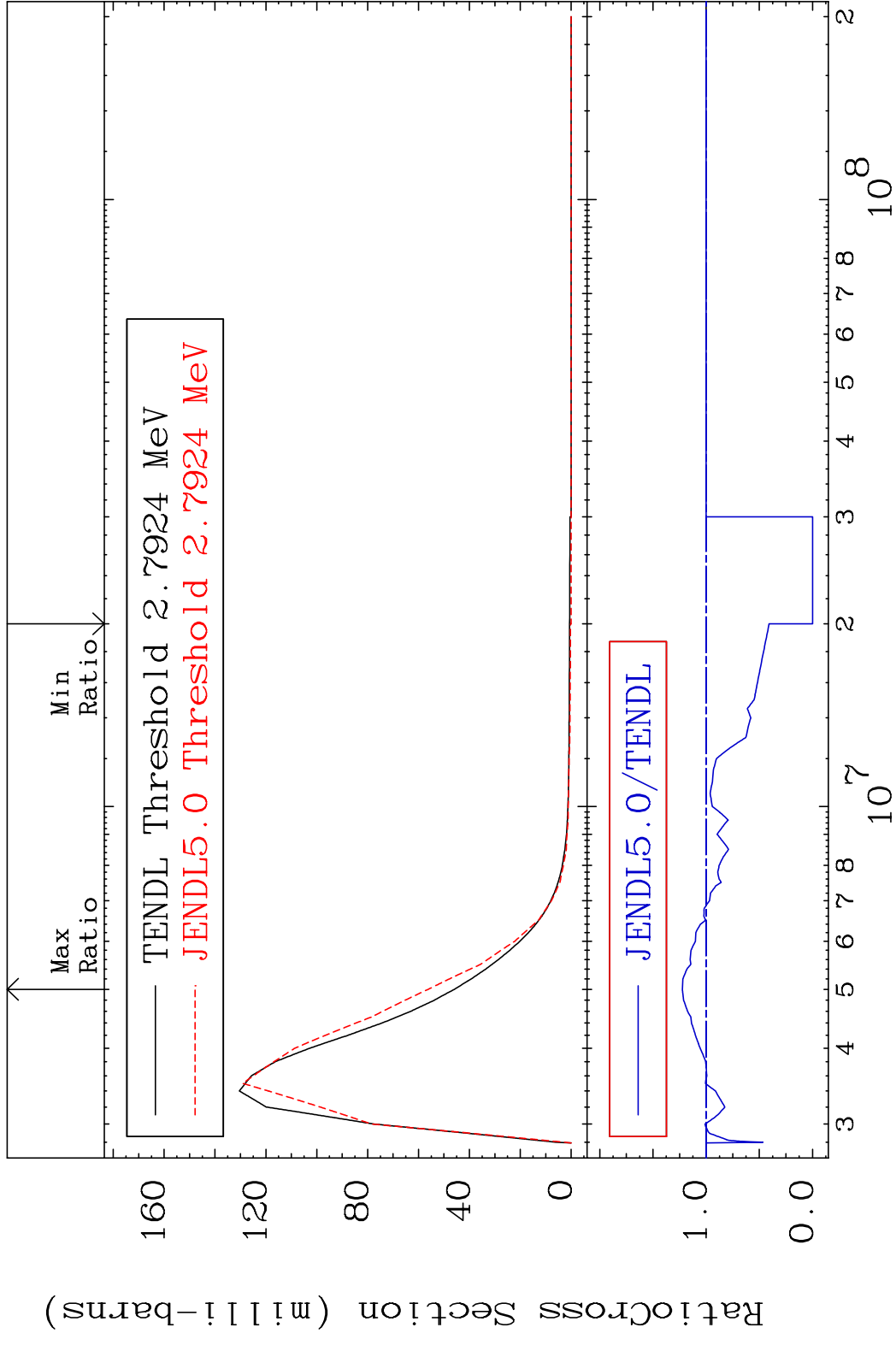


15 36-Kr-84

MAT 3643 MT= 58 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 0.721 %

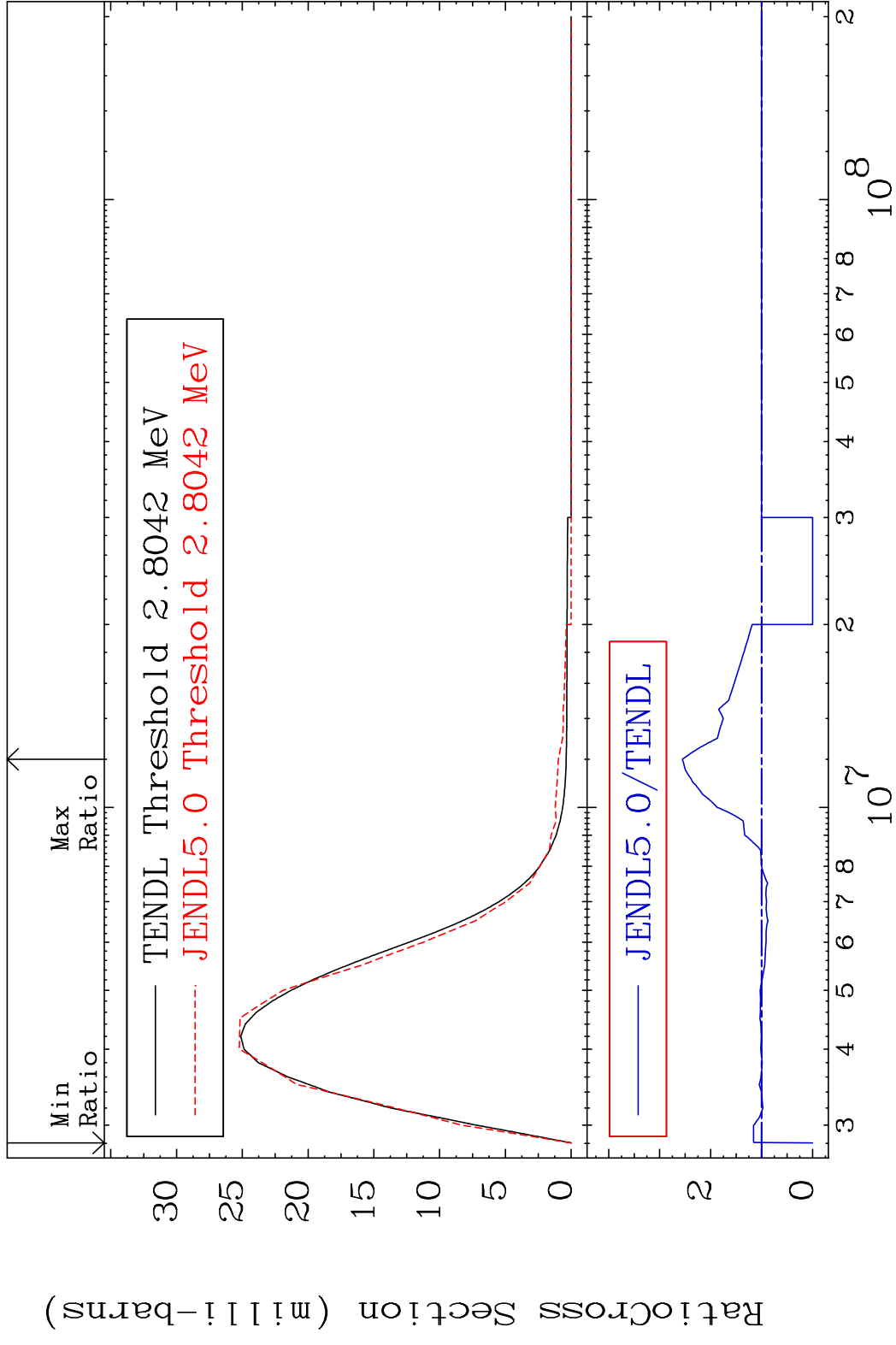


MAT 3643 MT= 59 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 22.36 %

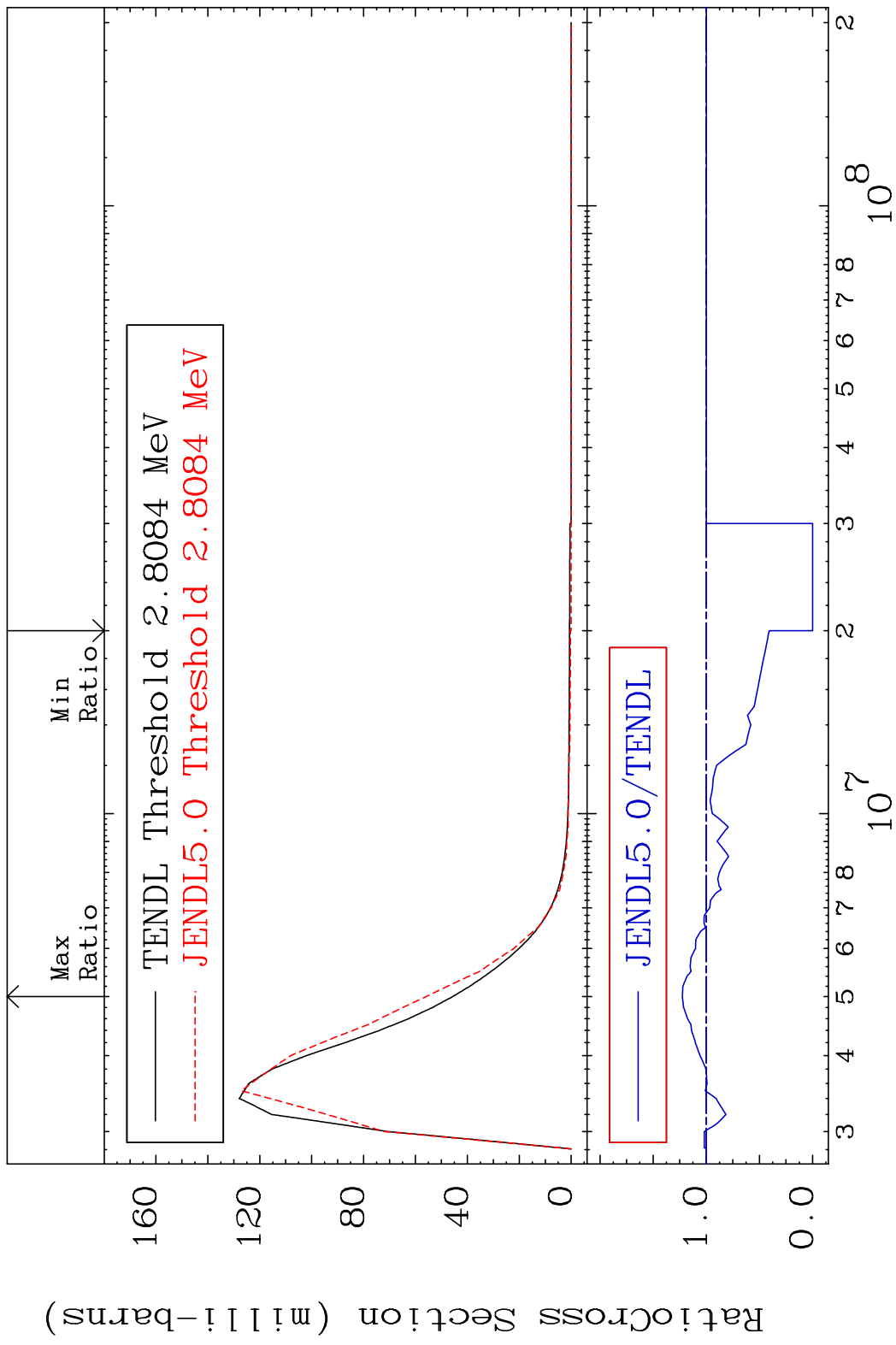


17 36-Kr-84

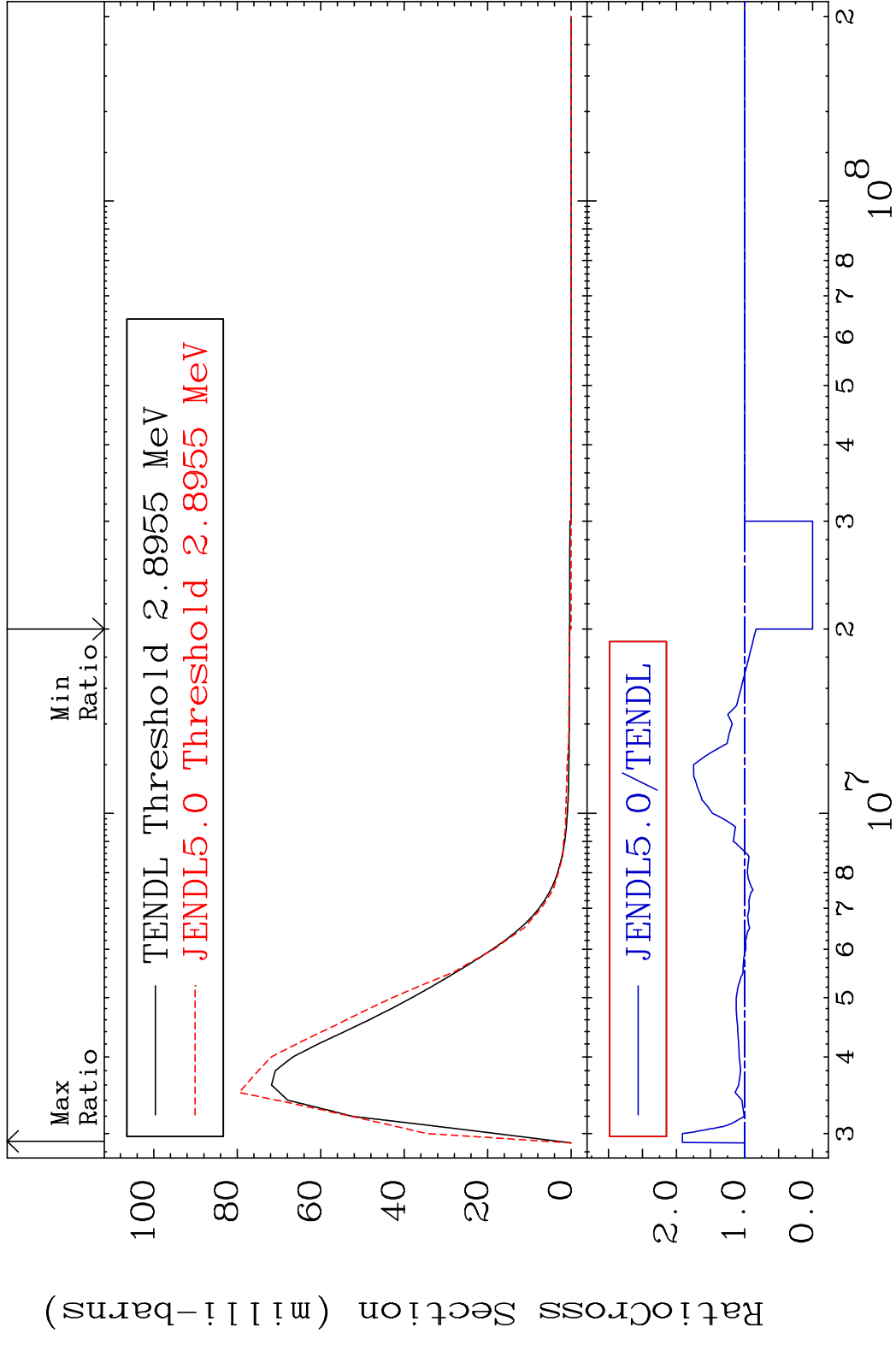
MAT 3643 MT= 60 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 155.5 %



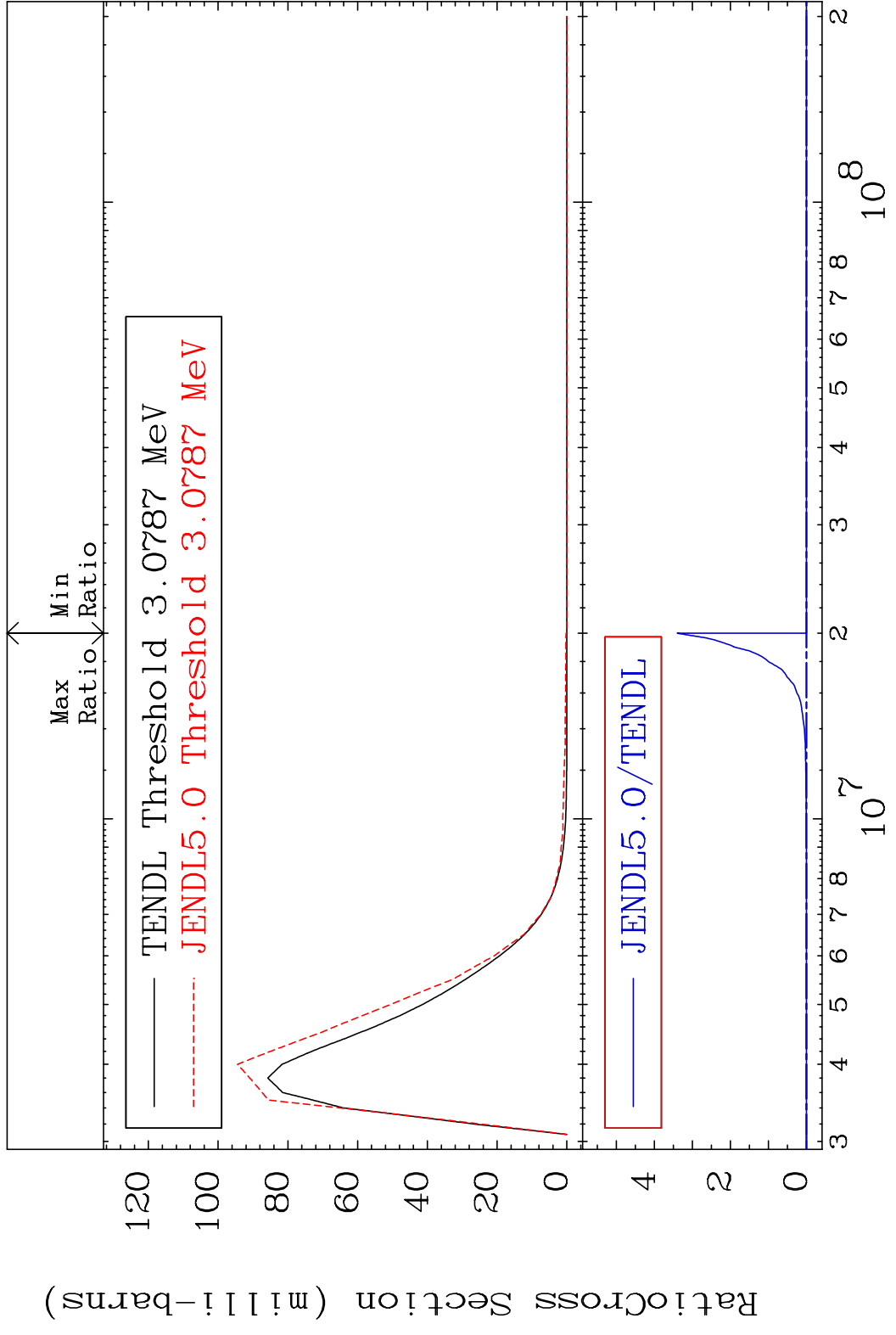
MAT 3643 MT= 61 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 22.49 %



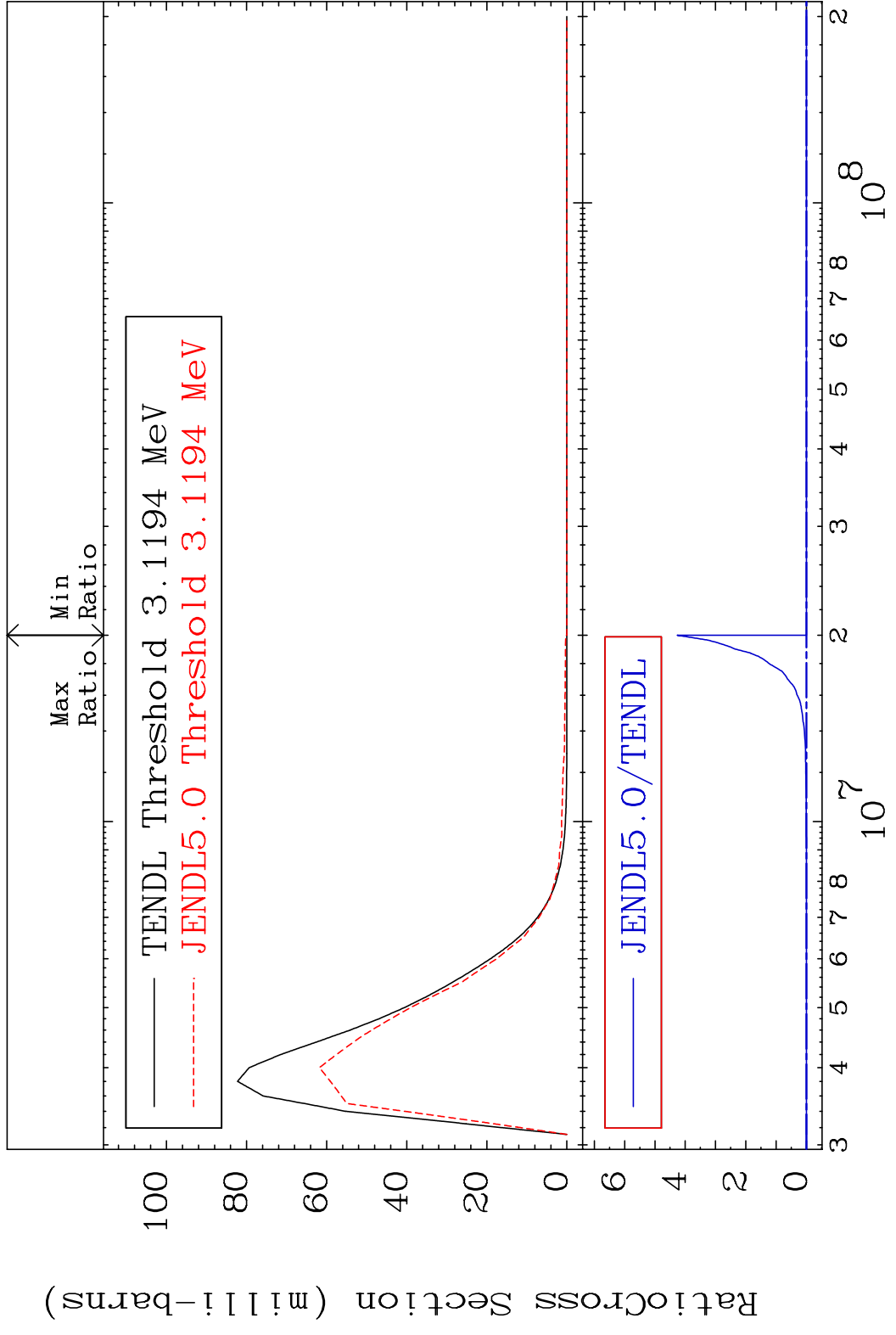
MAT 3643 MT= 62 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 91.44 %



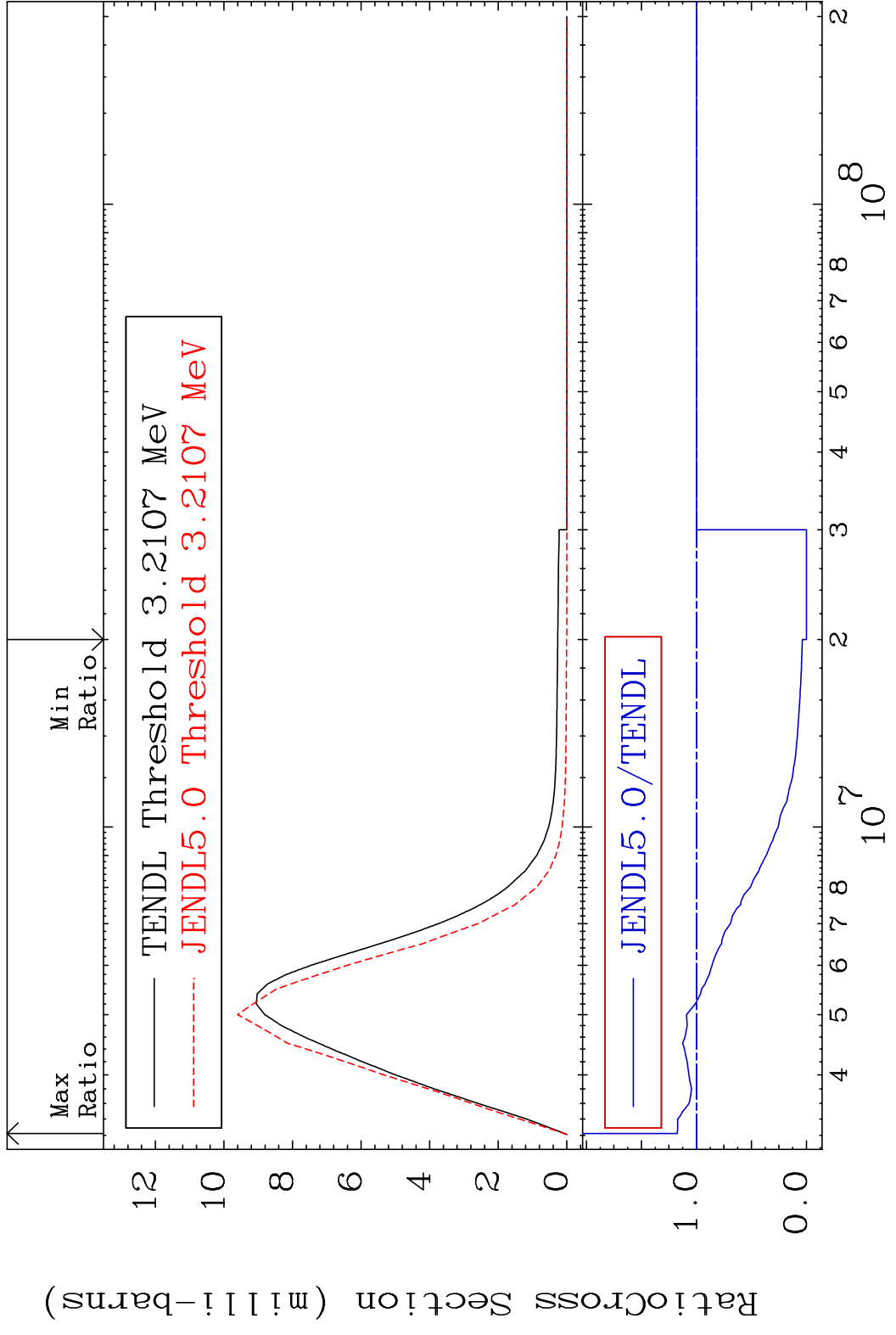
MAT 3643 MT= 63 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



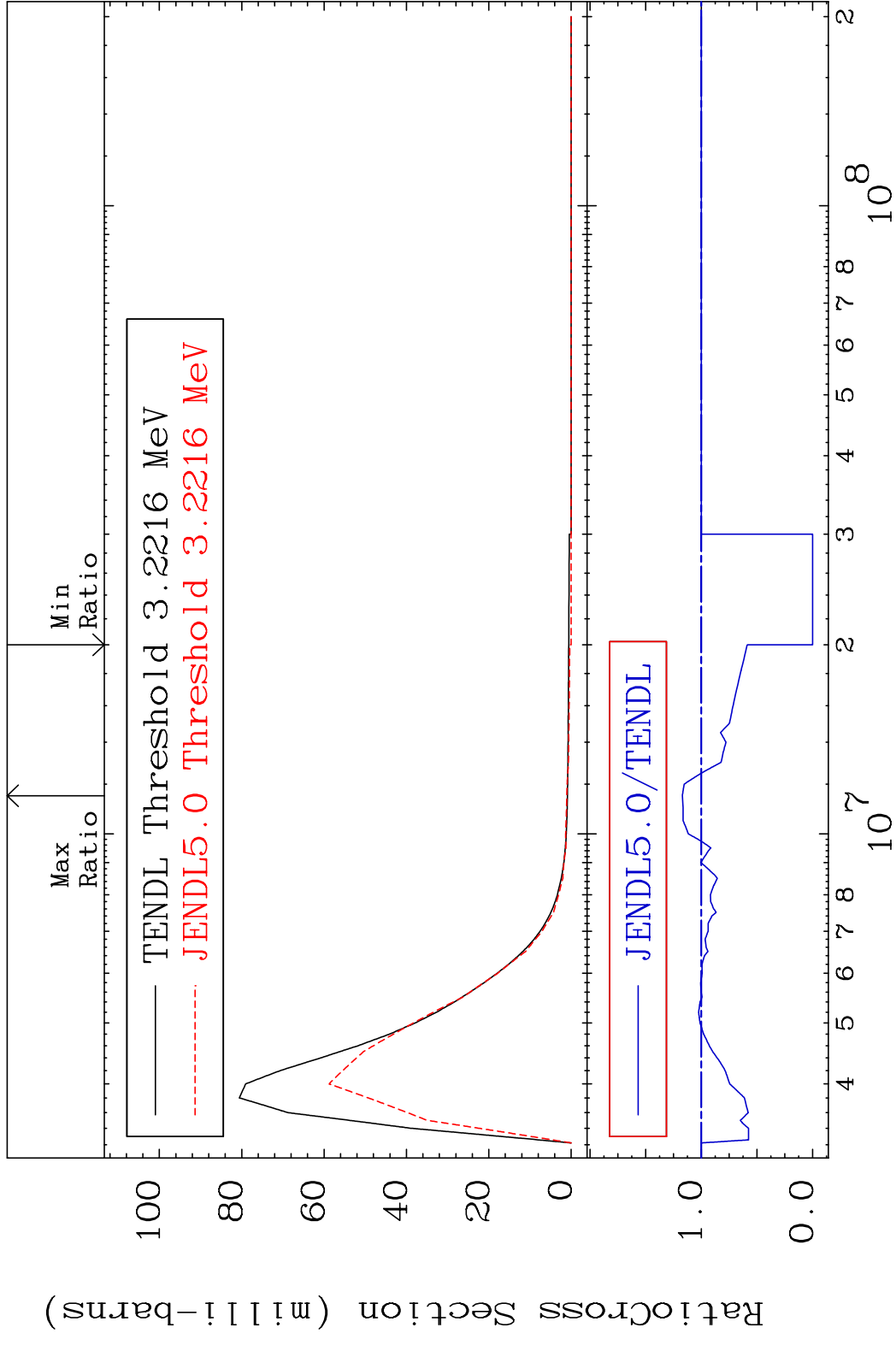
MAT 3643 MT= 64 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



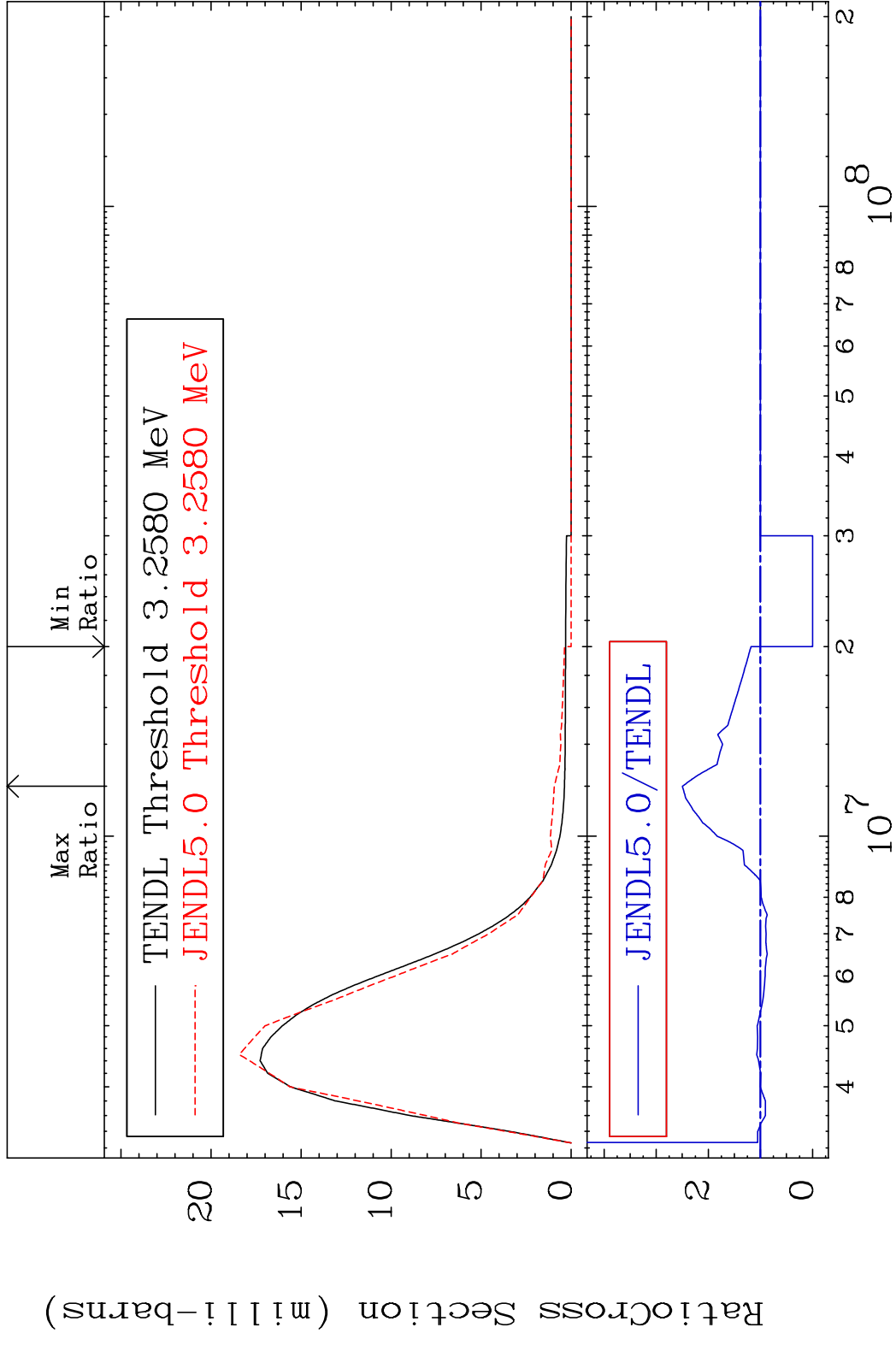
MAT 3643 MT= 65 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 17.48 %



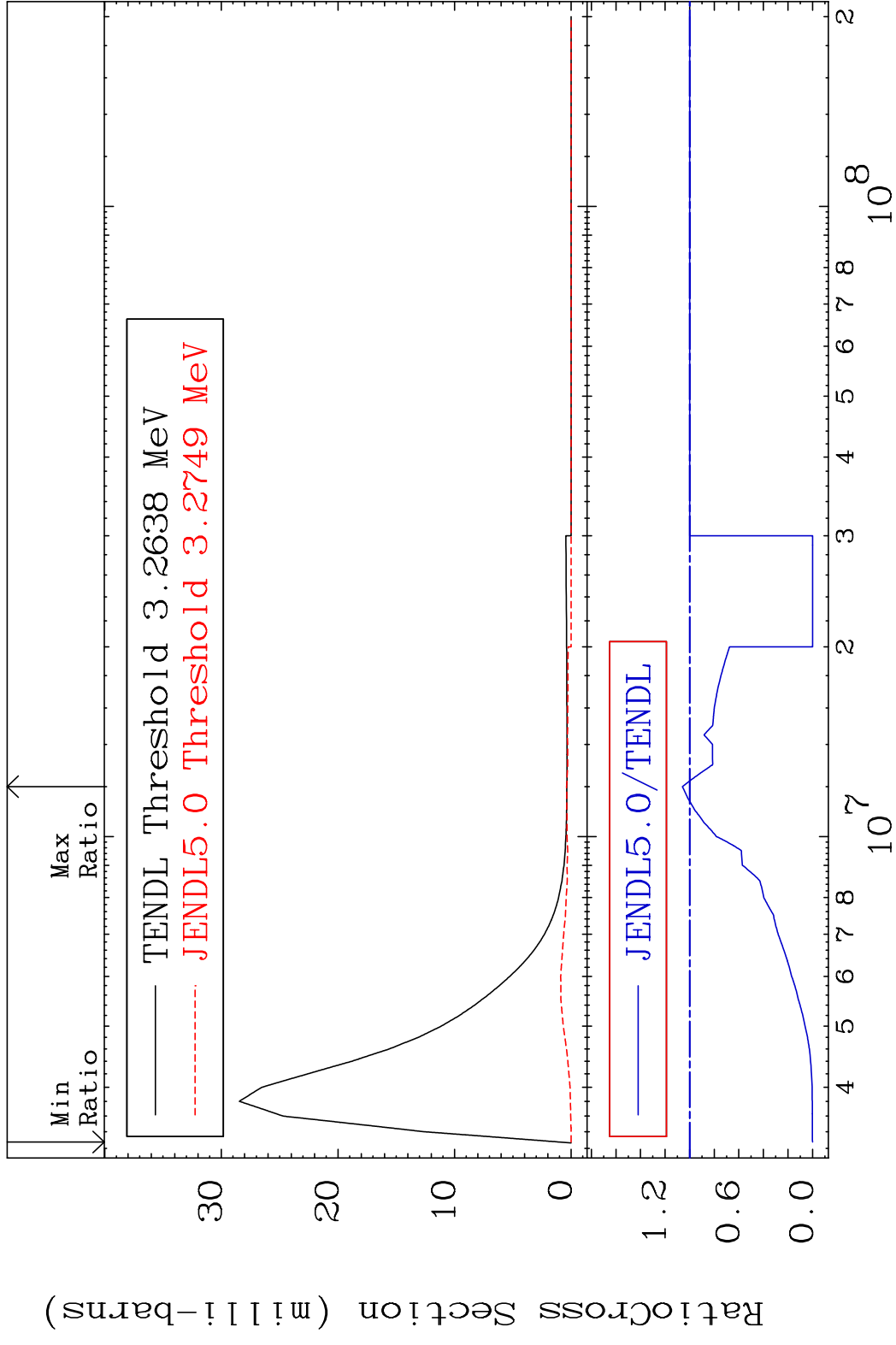
MAT 3643 MT= 66 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 16.98 %



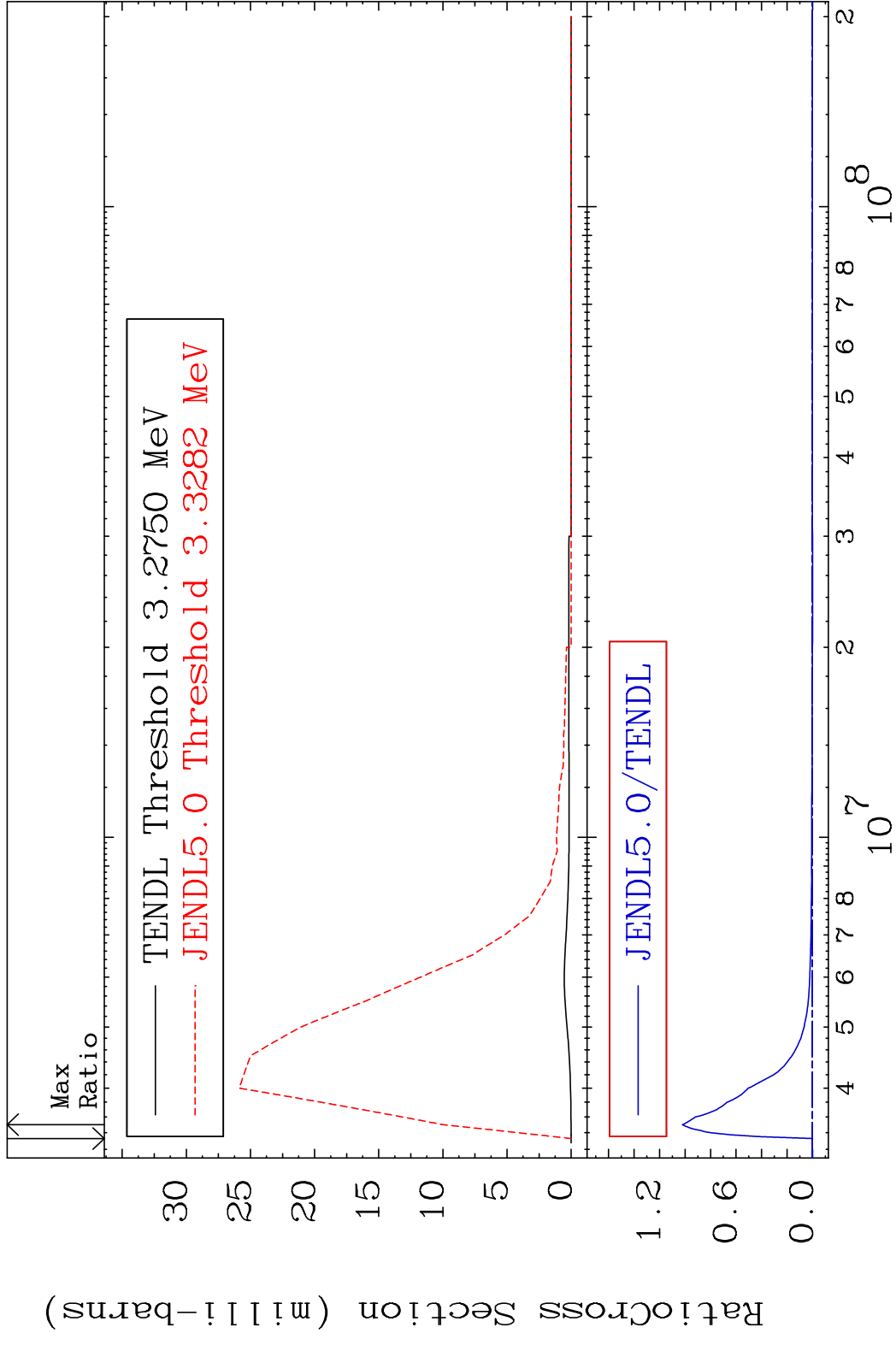
MAT 3643 MT= 67 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 149.8 %



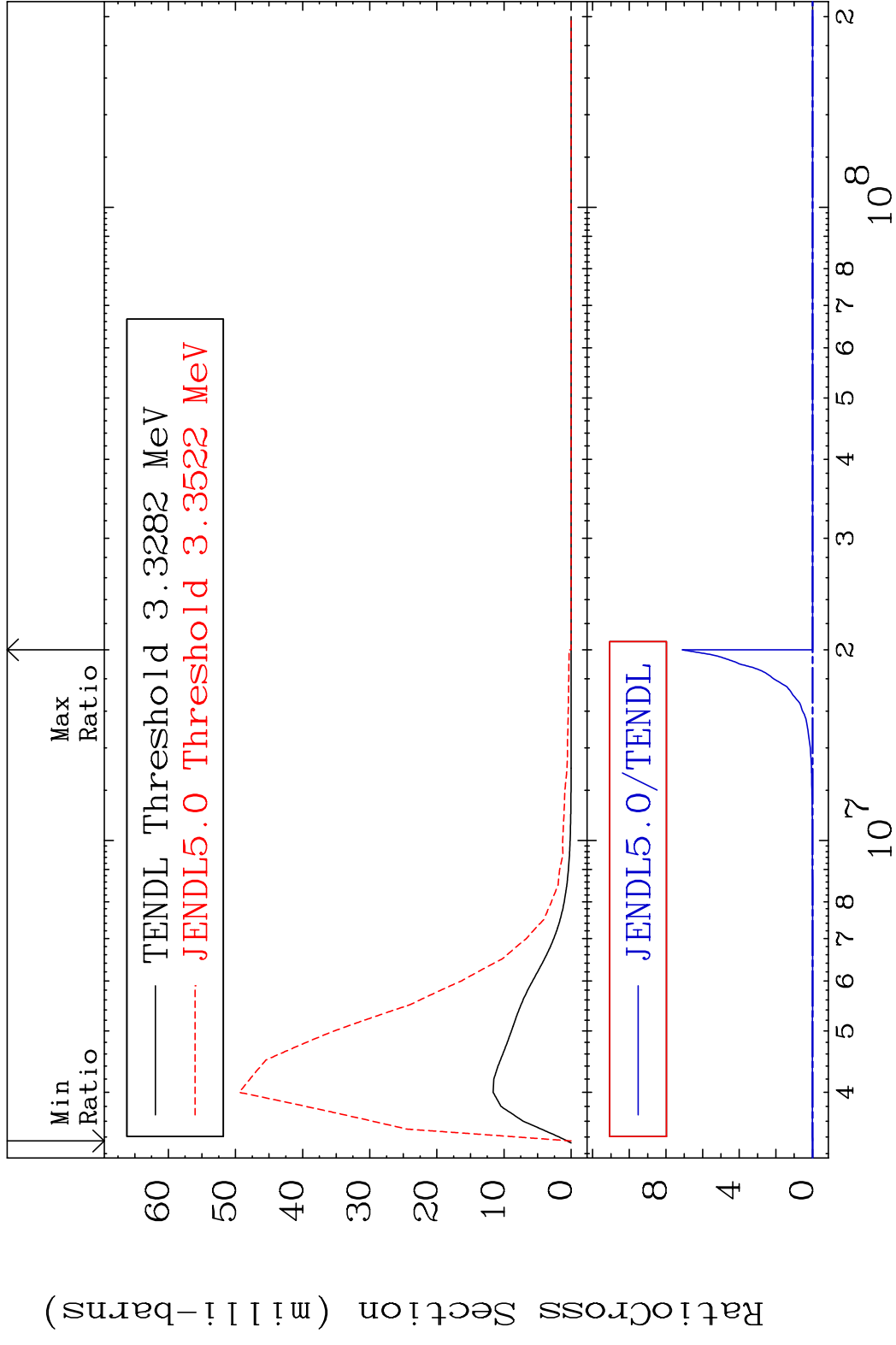
MAT 3643 MT= 68 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 5.957 %



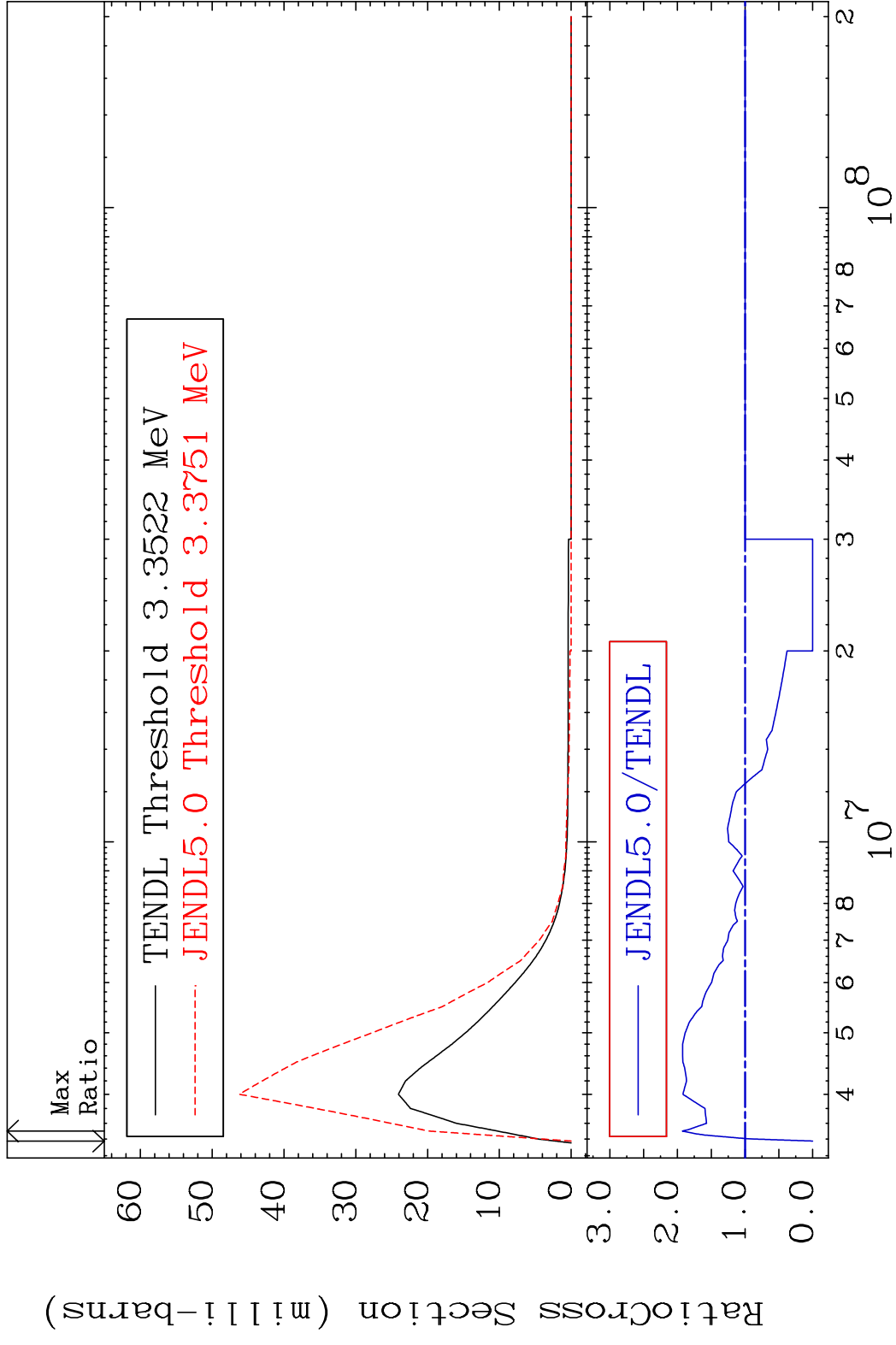
MAT 3643 MT= 69 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



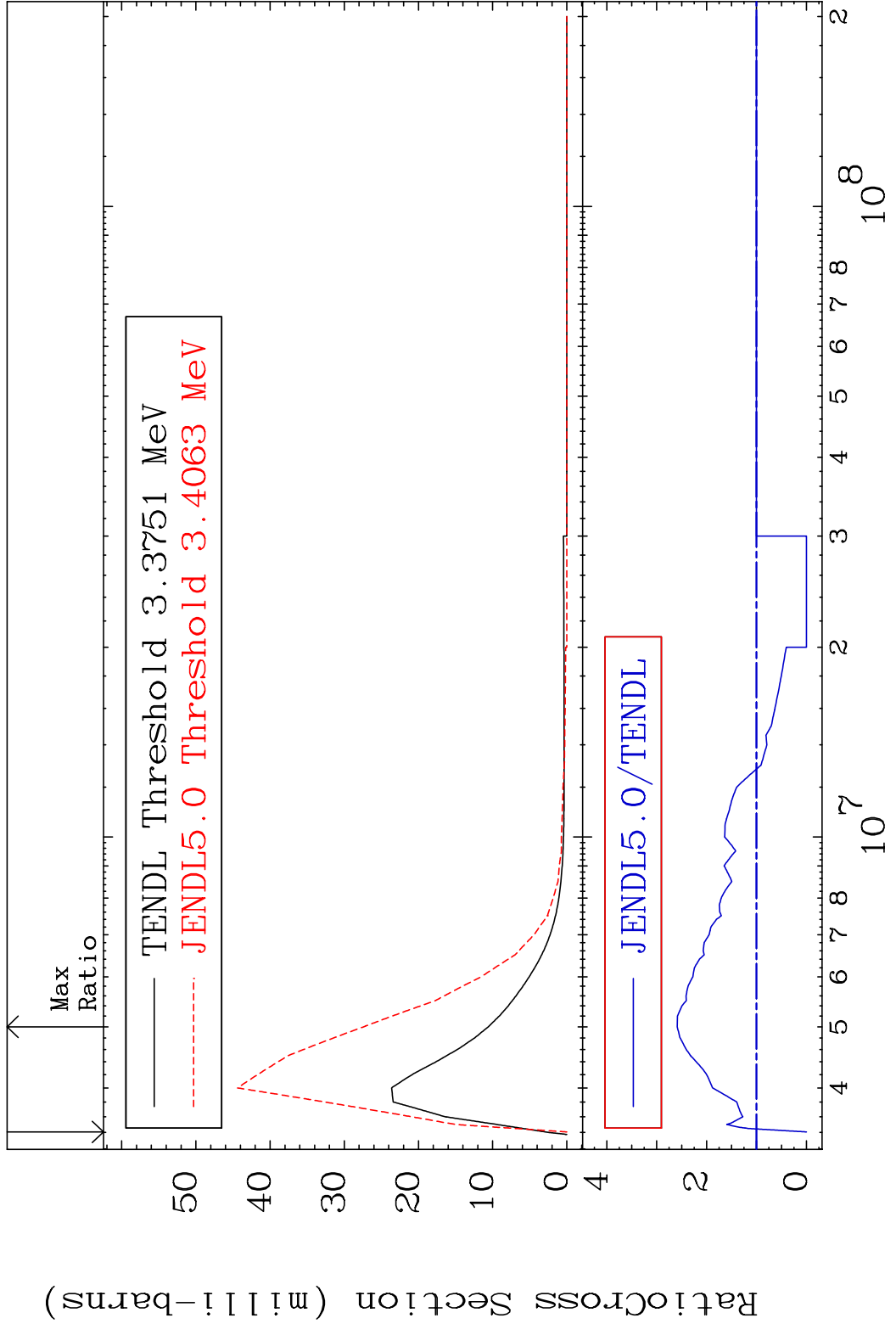
MAT 3643 MT= 70 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



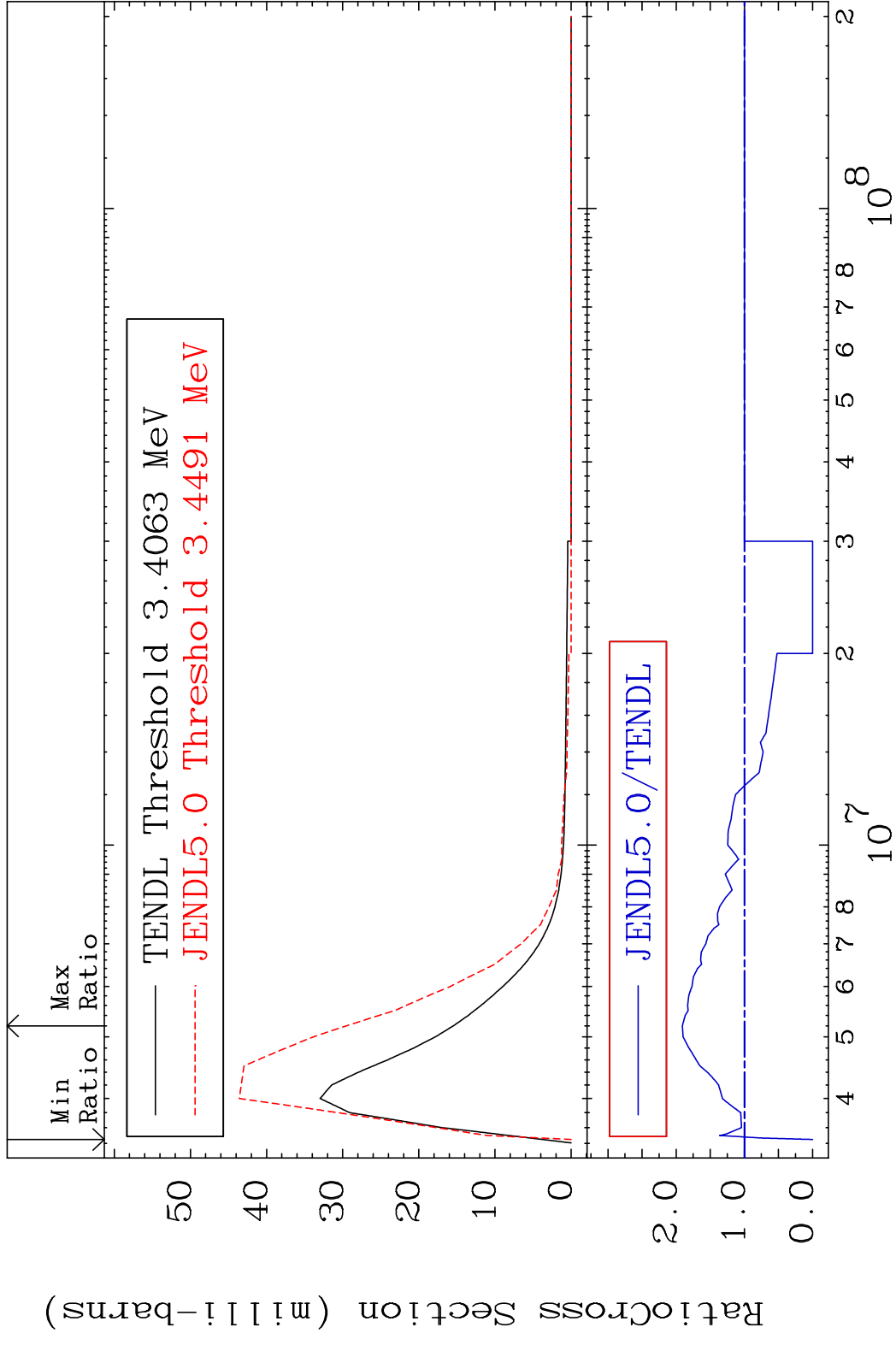
MAT 3643 MT= 71 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 92.78 %



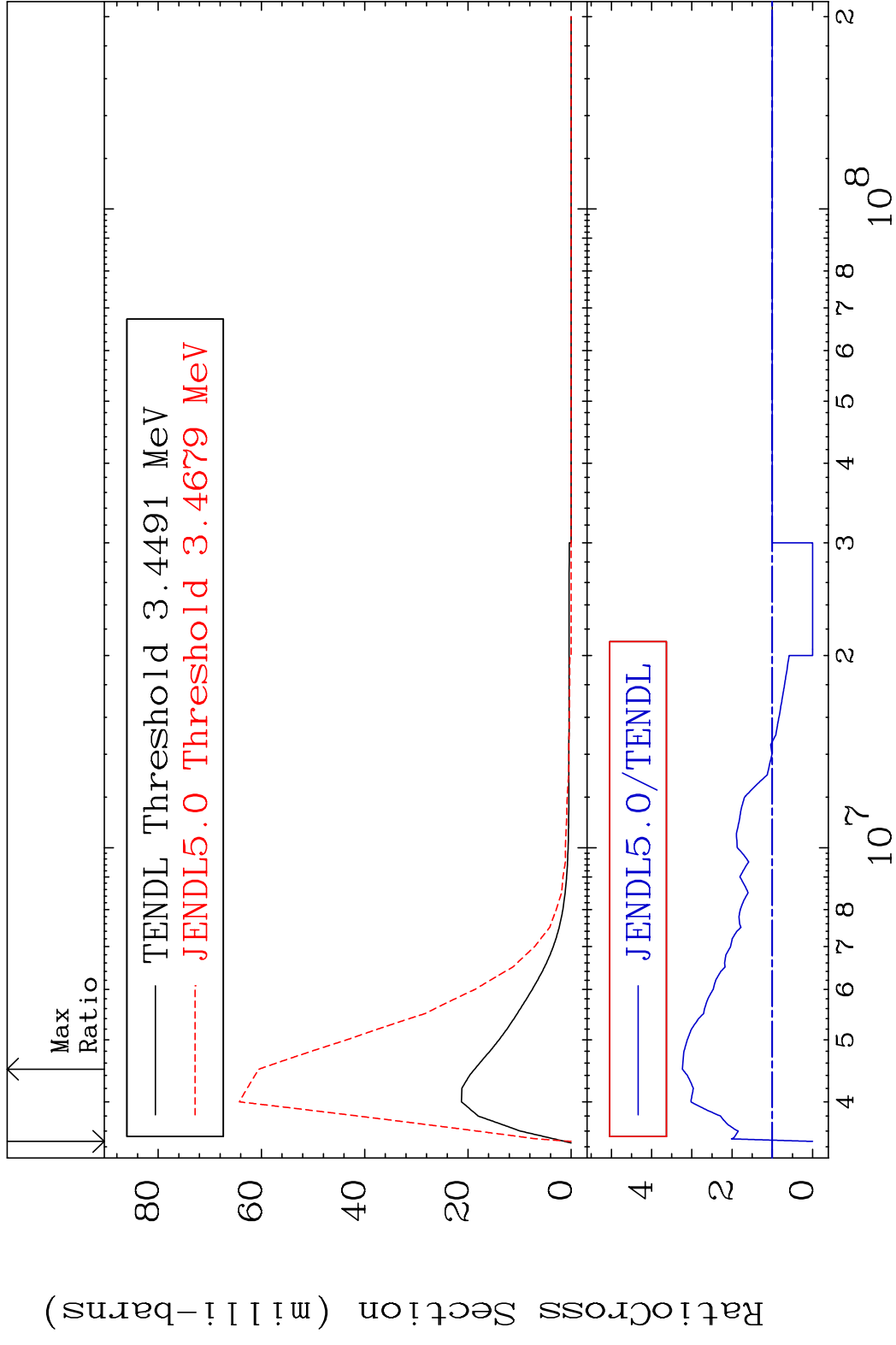
MAT 3643 MT= 72 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 158.9 %



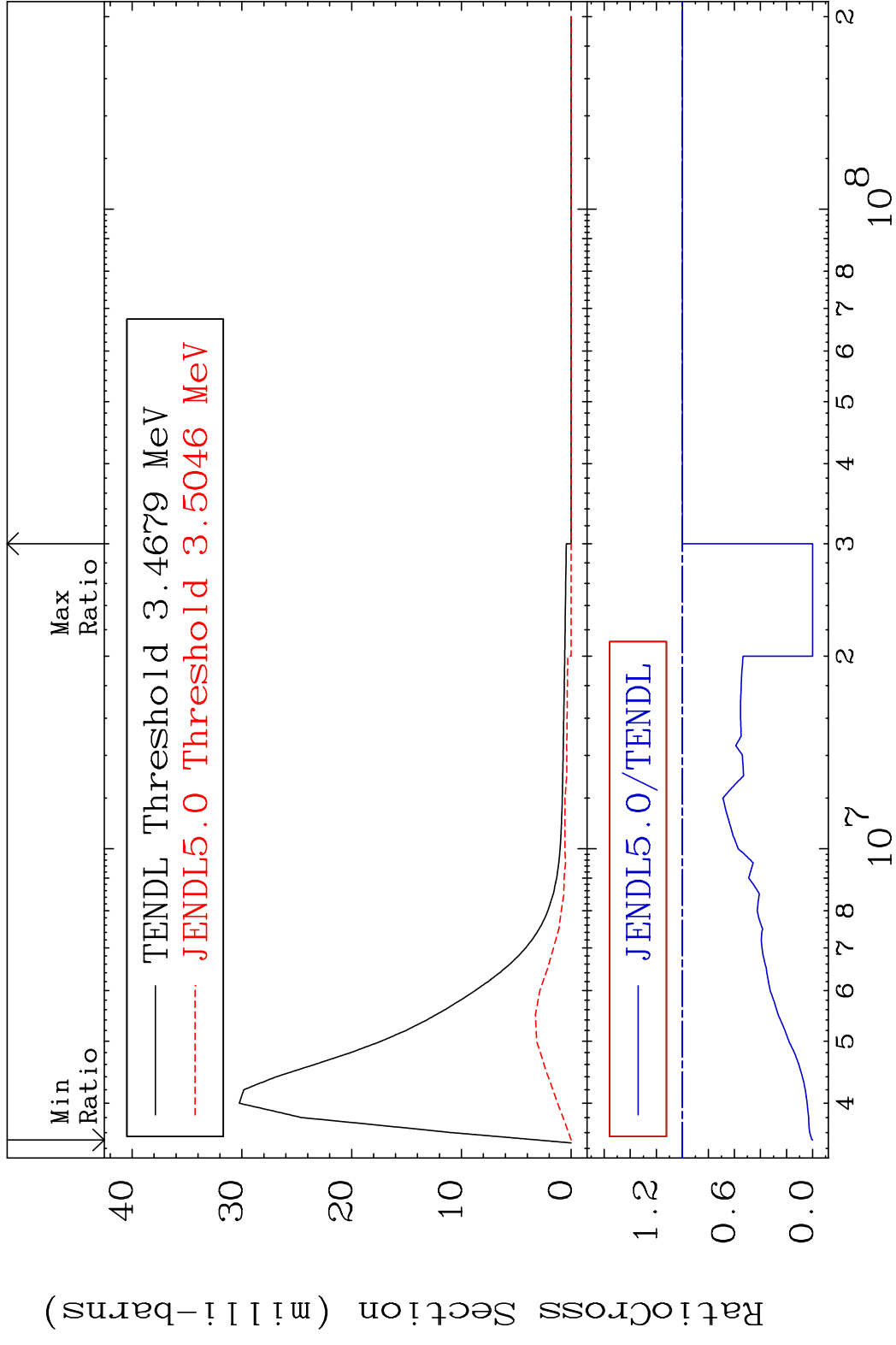
MAT 3643 MT= 73 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 90.91 %



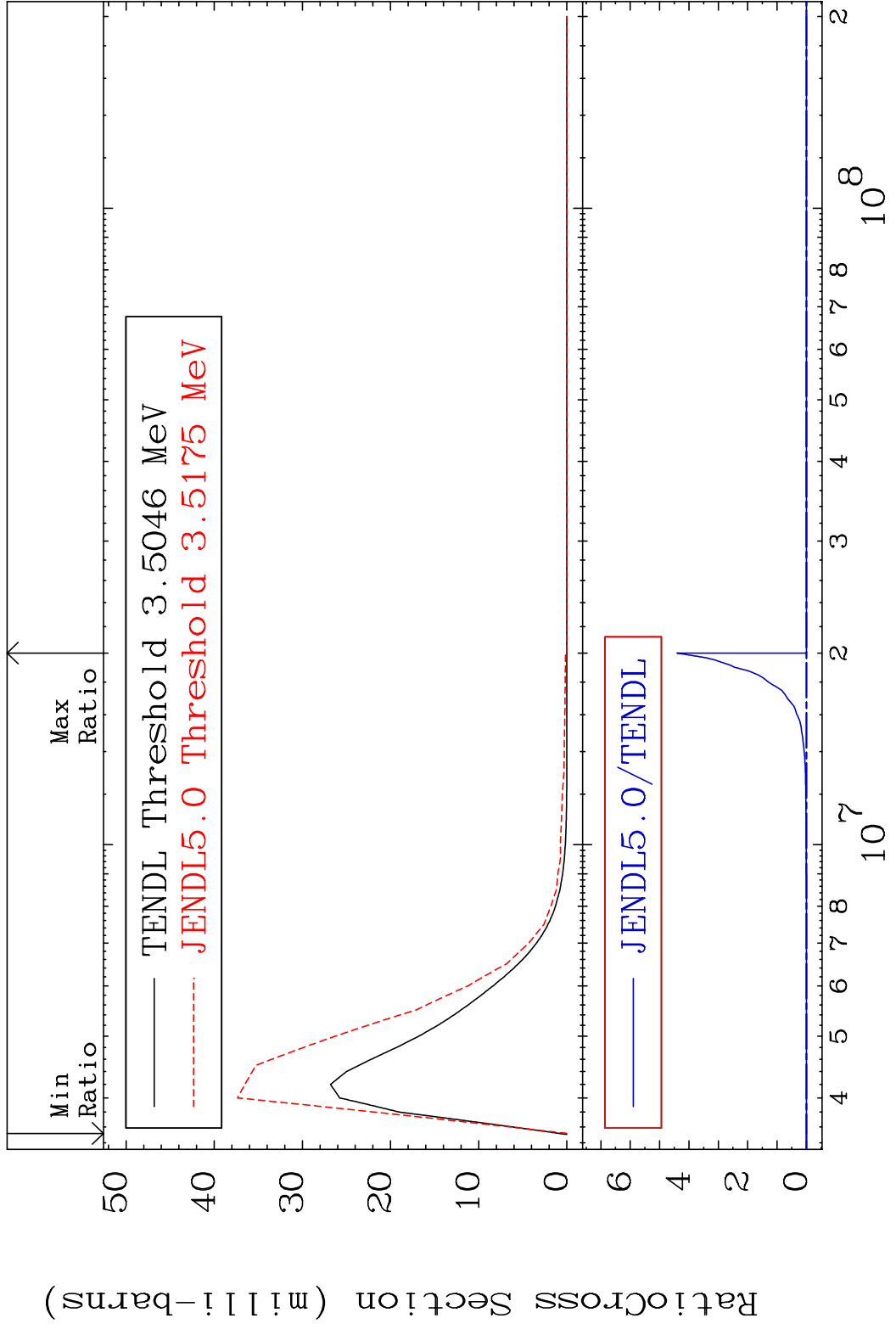
MAT 3643 MT= 74 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 223.6 %



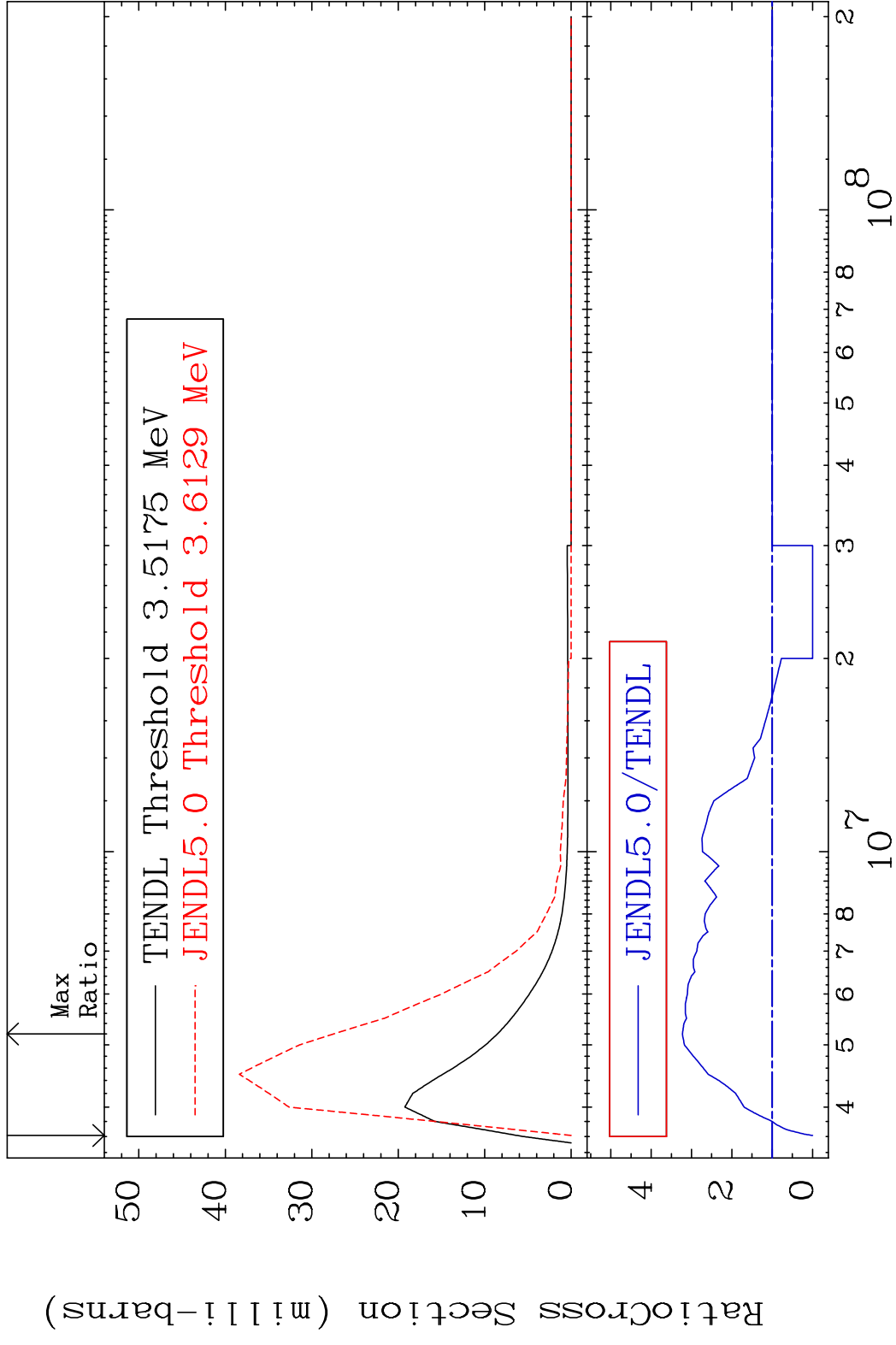
MAT 3643 MT= 75 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 0.000 %



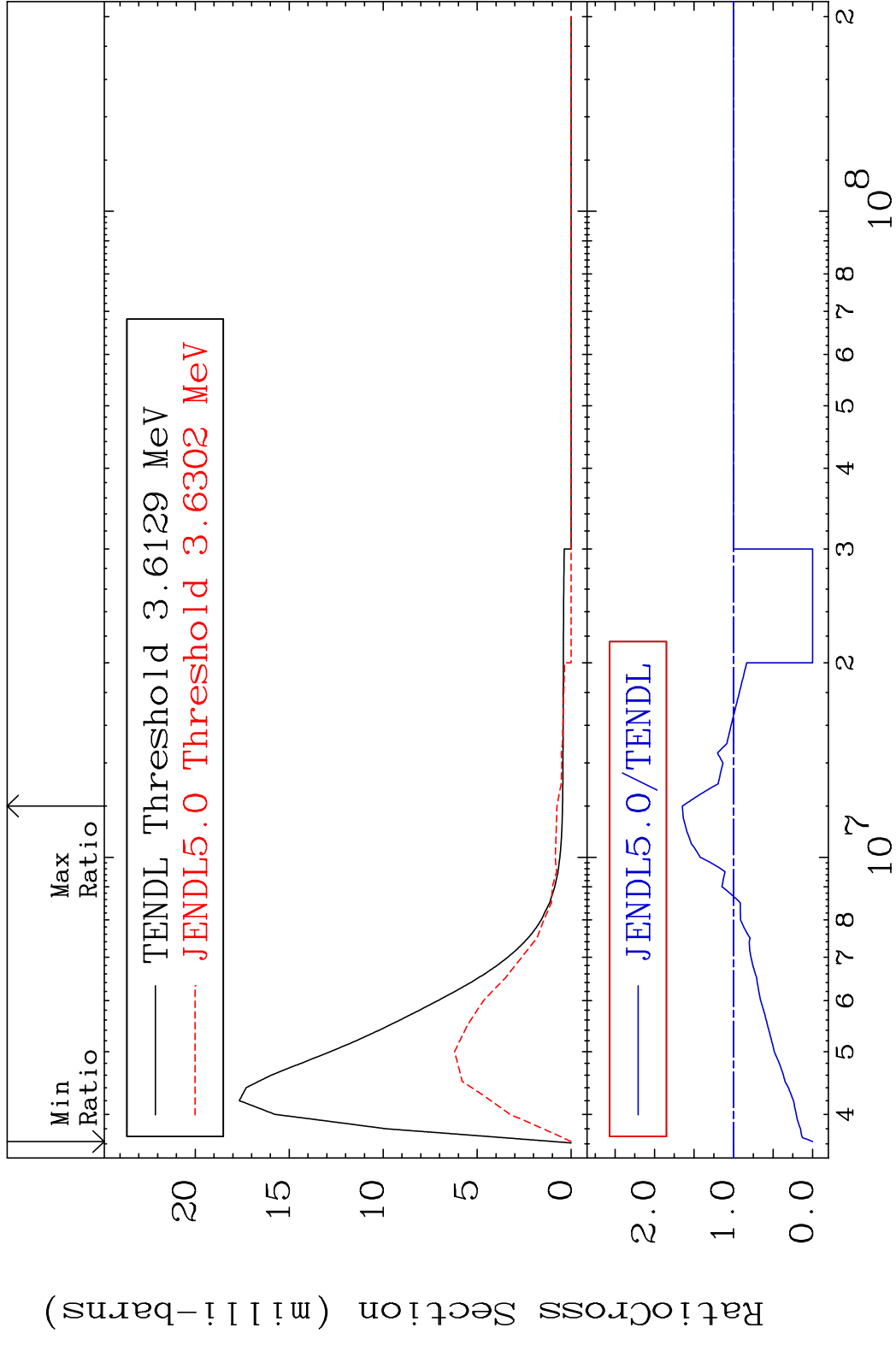
MAT 3643 MT= 76 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 9999. %



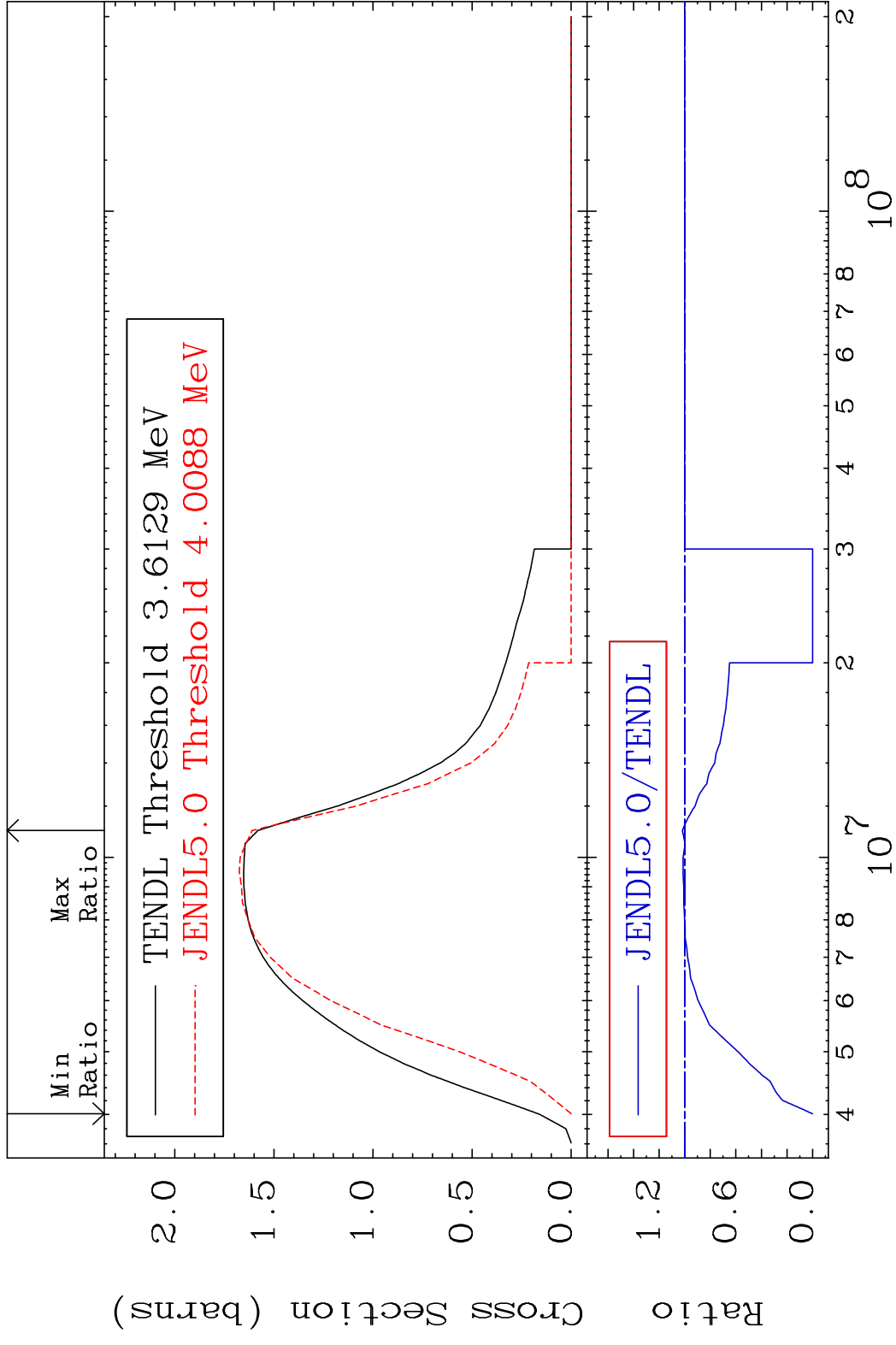
MAT 3643 MT= 77 (n,n') Level 36-Kr-84
 Cross Section -100.0 To 222.7 %



MAT 3643 MT= 78 (n, n') Level 36-Kr-84
 Cross Section -100.0 To 64.78 %



MAT 3643 (n, n') Continuum 36-Kr-84
 Cross Section -100.0 To 1.850 %

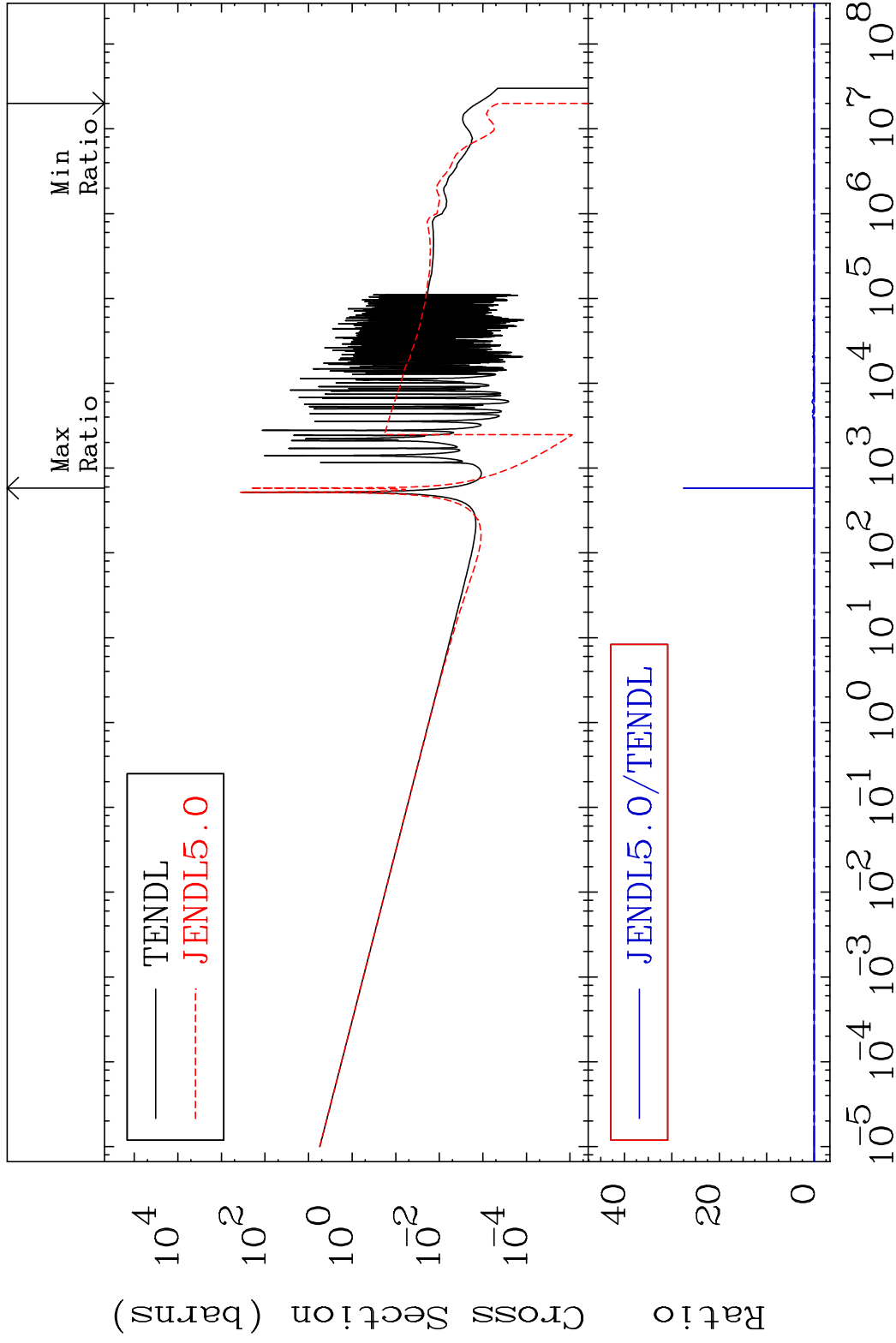


MAT 3643

(n, γ)

36-Kr-84

Cross Section -100.0 To 9999. %

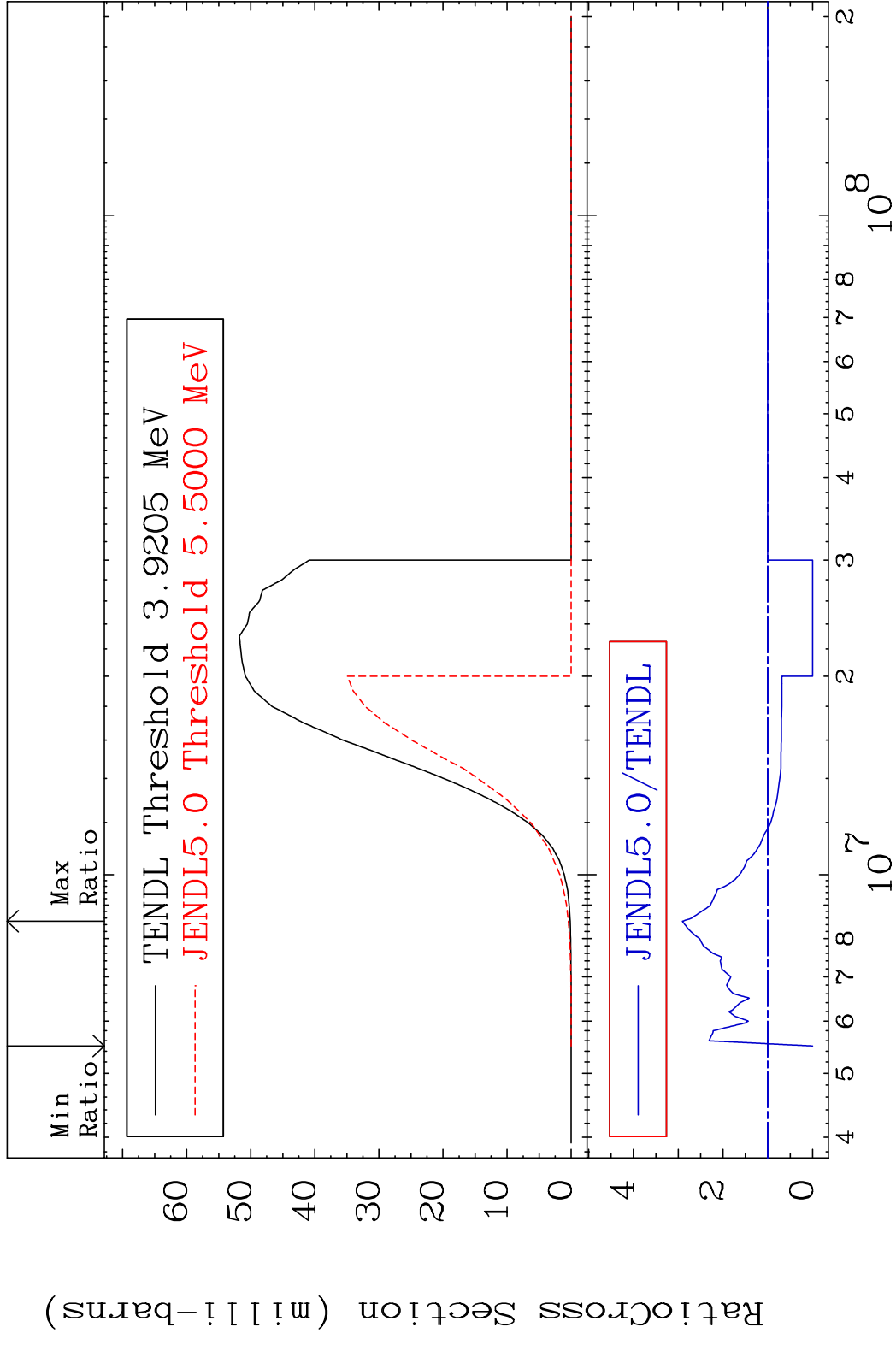


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Incident Energy (eV)

36-Kr-84

MAT 3643 (n,p) 36-Kr-84
 Cross Section -100.0 To 190.8 %

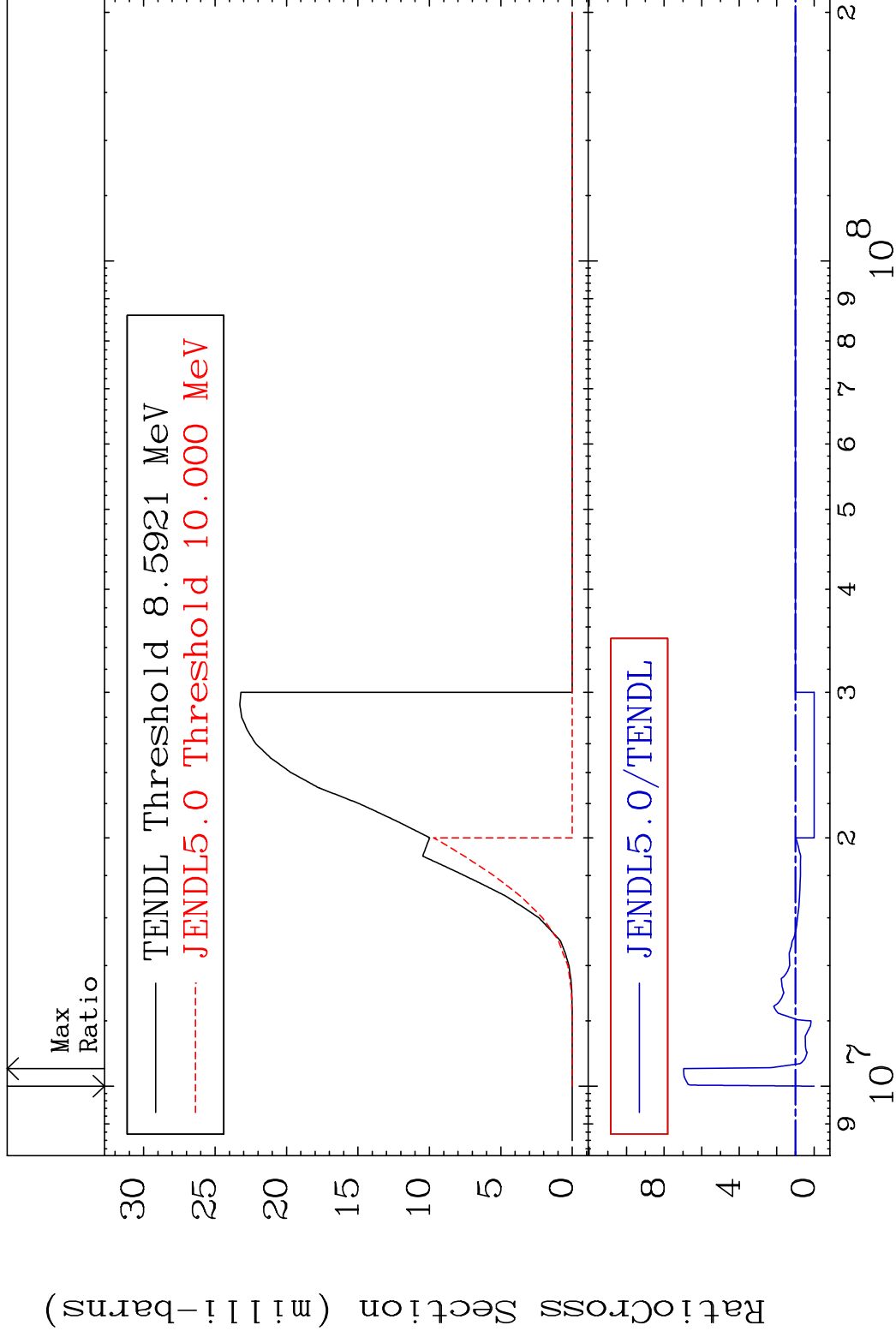


MAT 3643

(n, d)

36-Kr-84

Cross Section -100.0 To 595.9 %

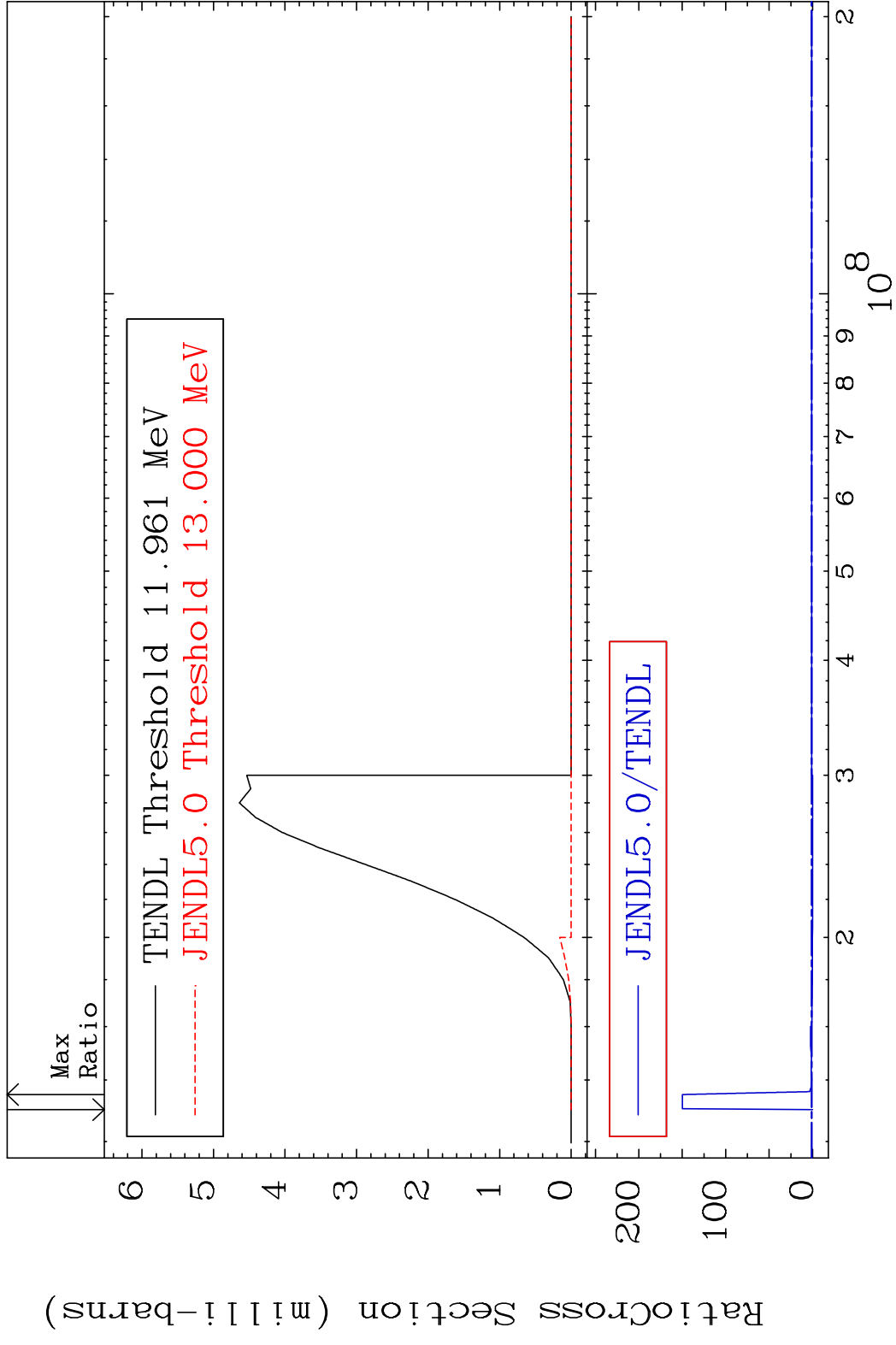


40

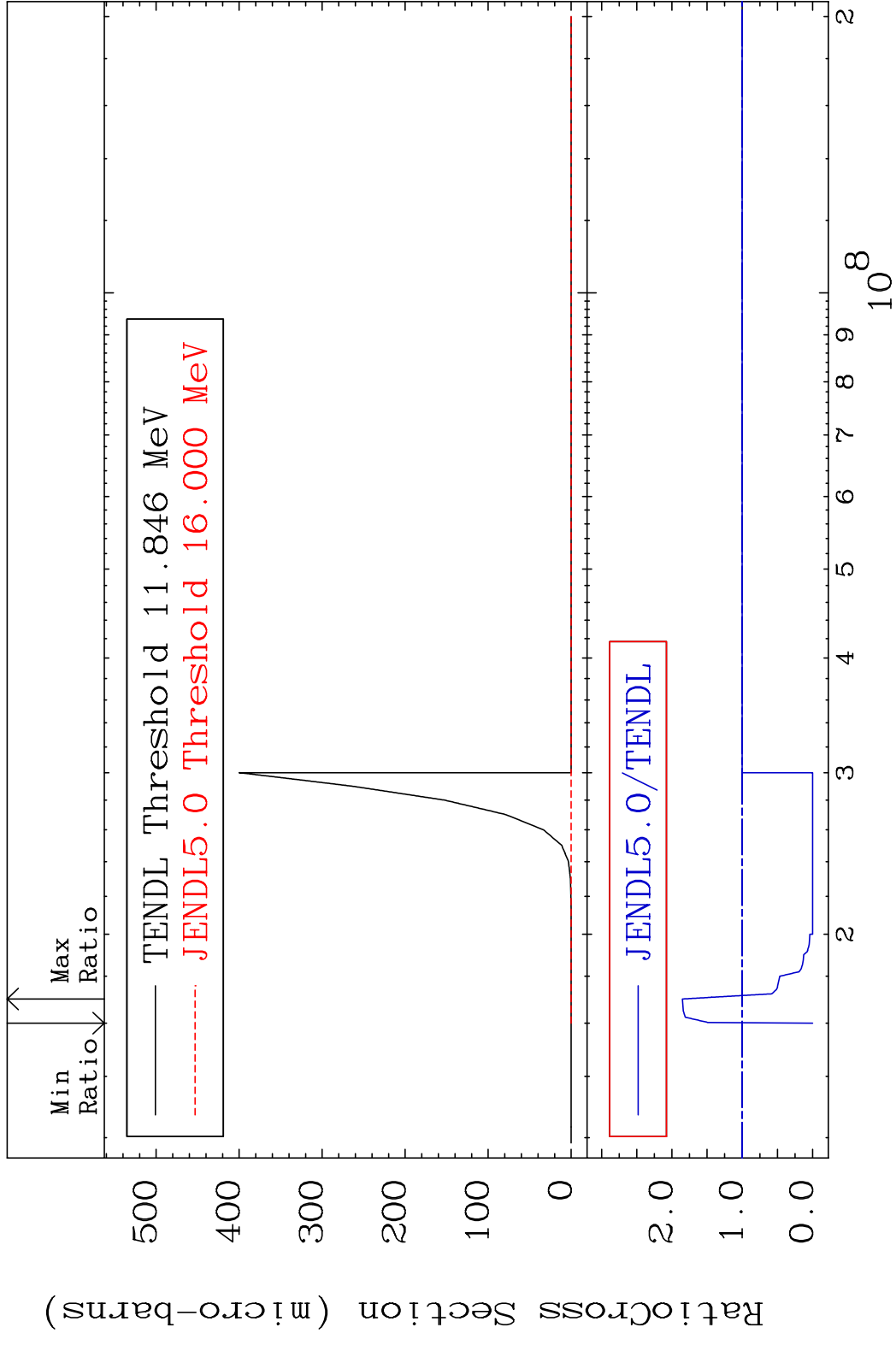
Incident Energy (eV)

36-Kr-84

MAT 3643 (n, t) 36-Kr-84
 Cross Section -100.0 To 9999. %



MAT 3643 (n, He-3) 36-Kr-84
 Cross Section -100.0 To 85.18 %

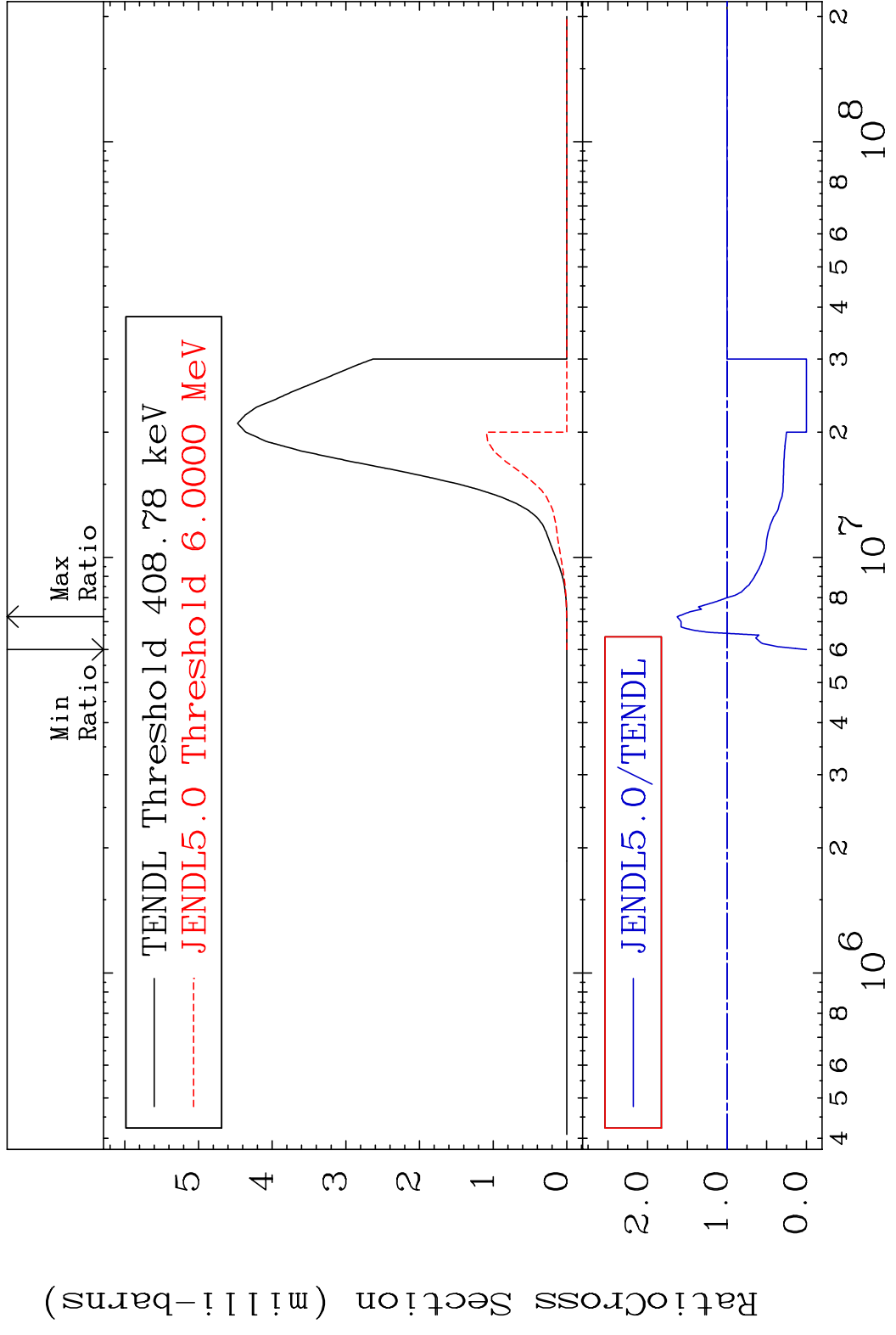


MAT 3643

36-Kr-84

(n, α)

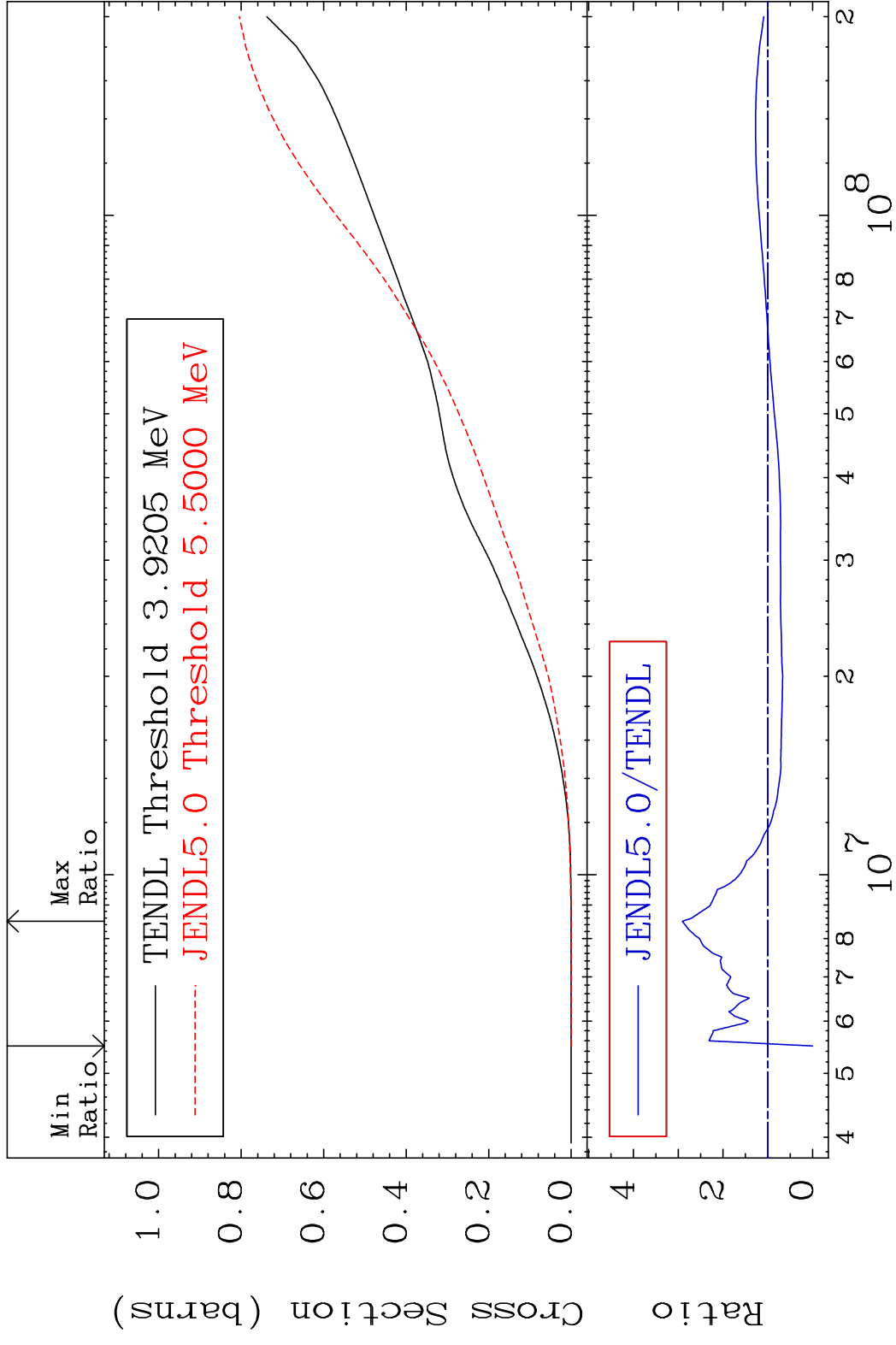
Cross Section -100.0 To 62.74 %



MAT 3643

Hydrogen Production
Cross Section -100.0 To 190.8 %

36-Kr-84



44

Incident Energy (eV)

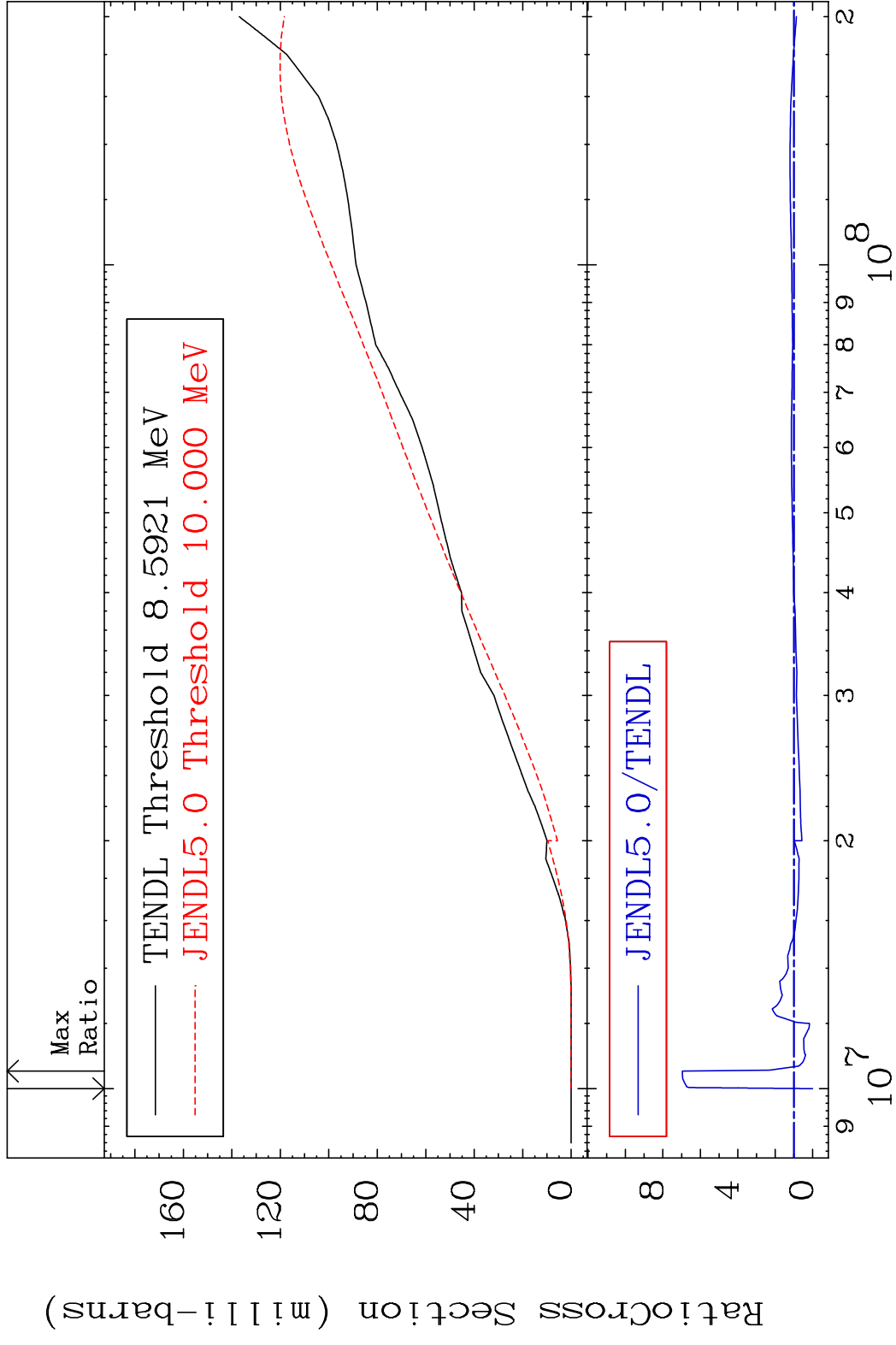
36-Kr-84

MAT 3643

Deuterium Production

³⁶Kr-84

Cross Section -100.0 To 595.9 %

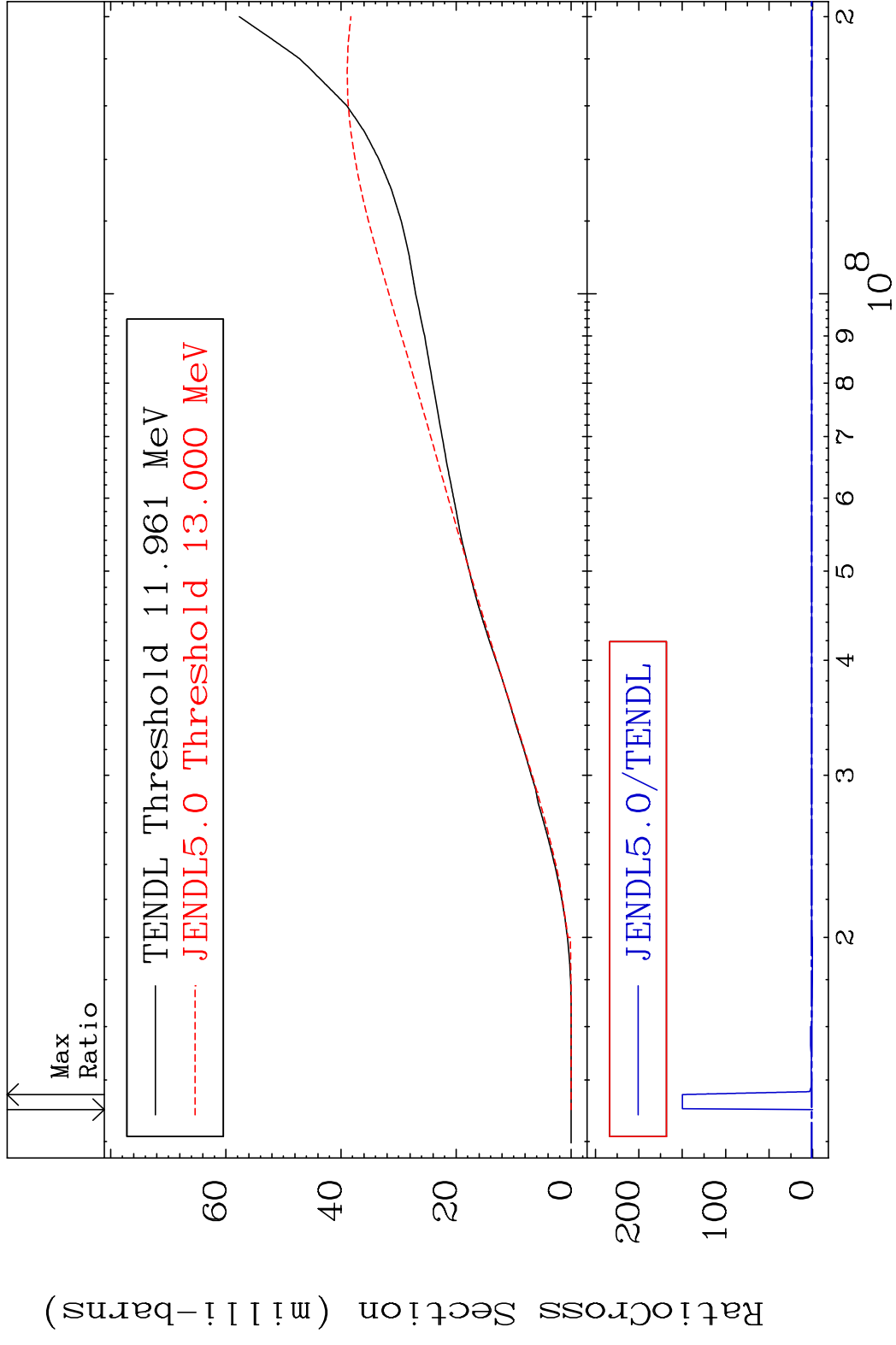


45

Incident Energy (eV)

³⁶Kr-84

MAT 3643 Tritium Production 36-Kr-84
 Cross Section -100.0 To 9999. %

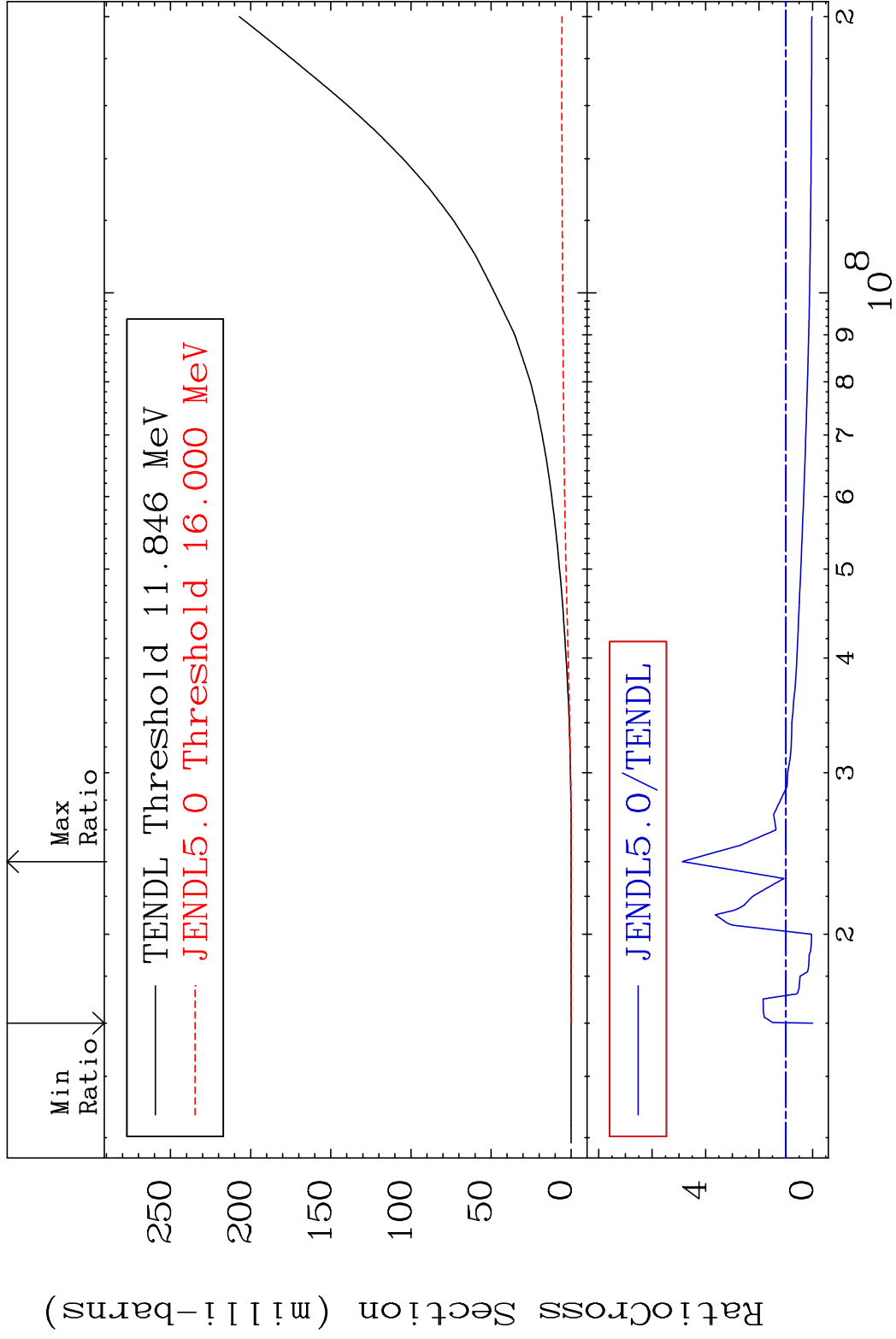


MAT 3643

He-3 Production

36-Kr-84

Cross Section -100.0 To 386.9 %

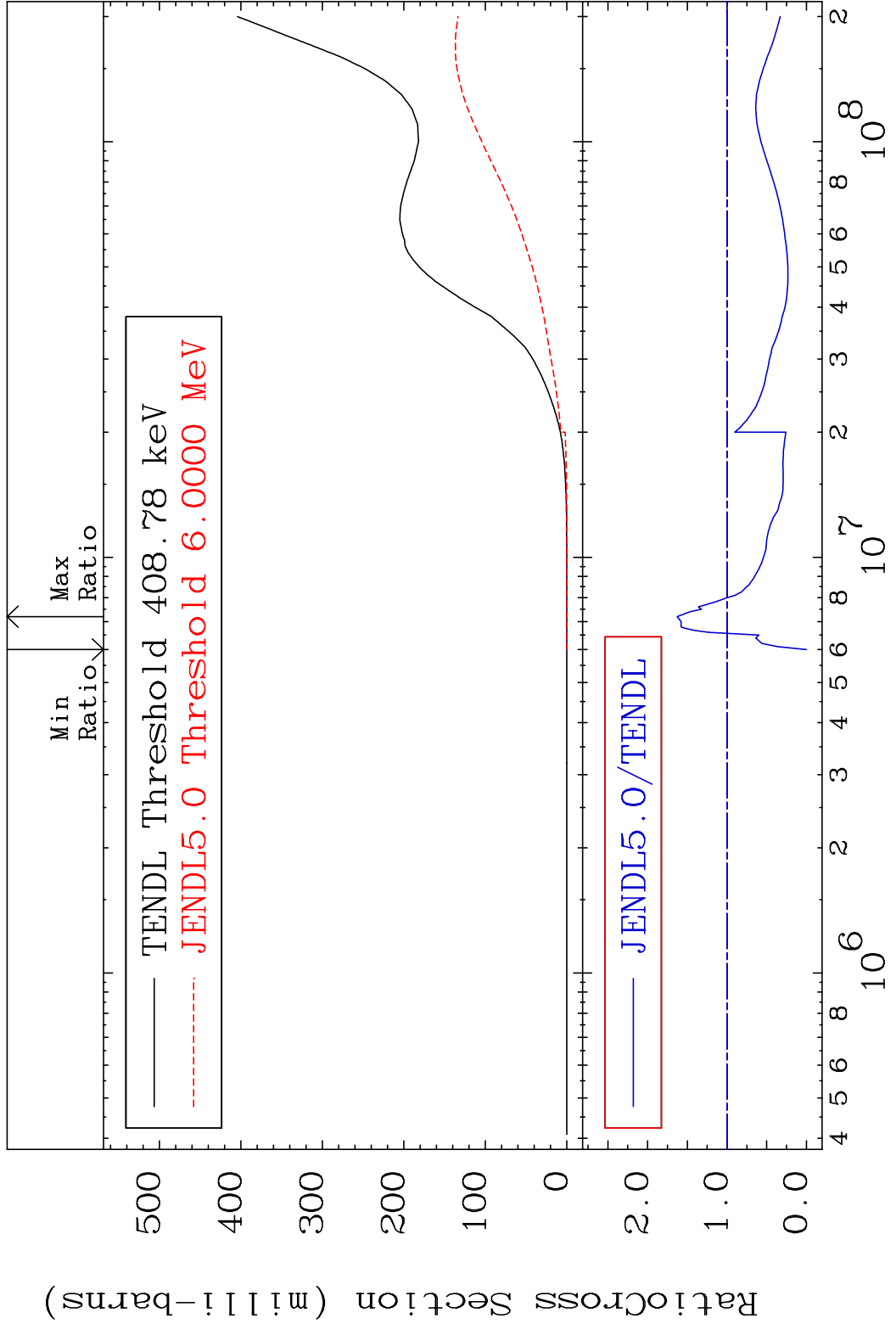


47

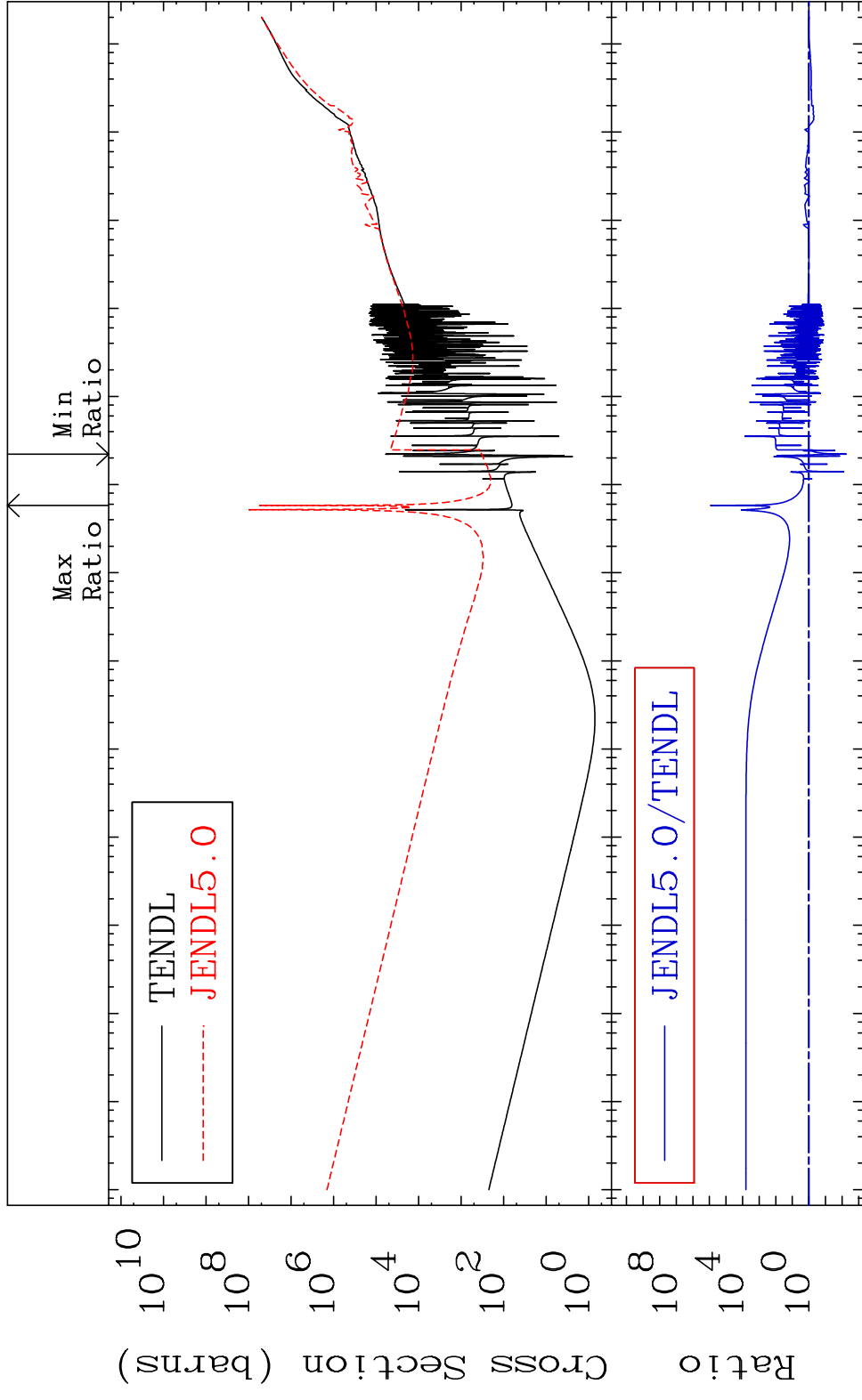
Incident Energy (eV)

36-Kr-84

MAT 3643 He-4 Production 36-Kr-84
 Cross Section -100.0 To 62.74 %

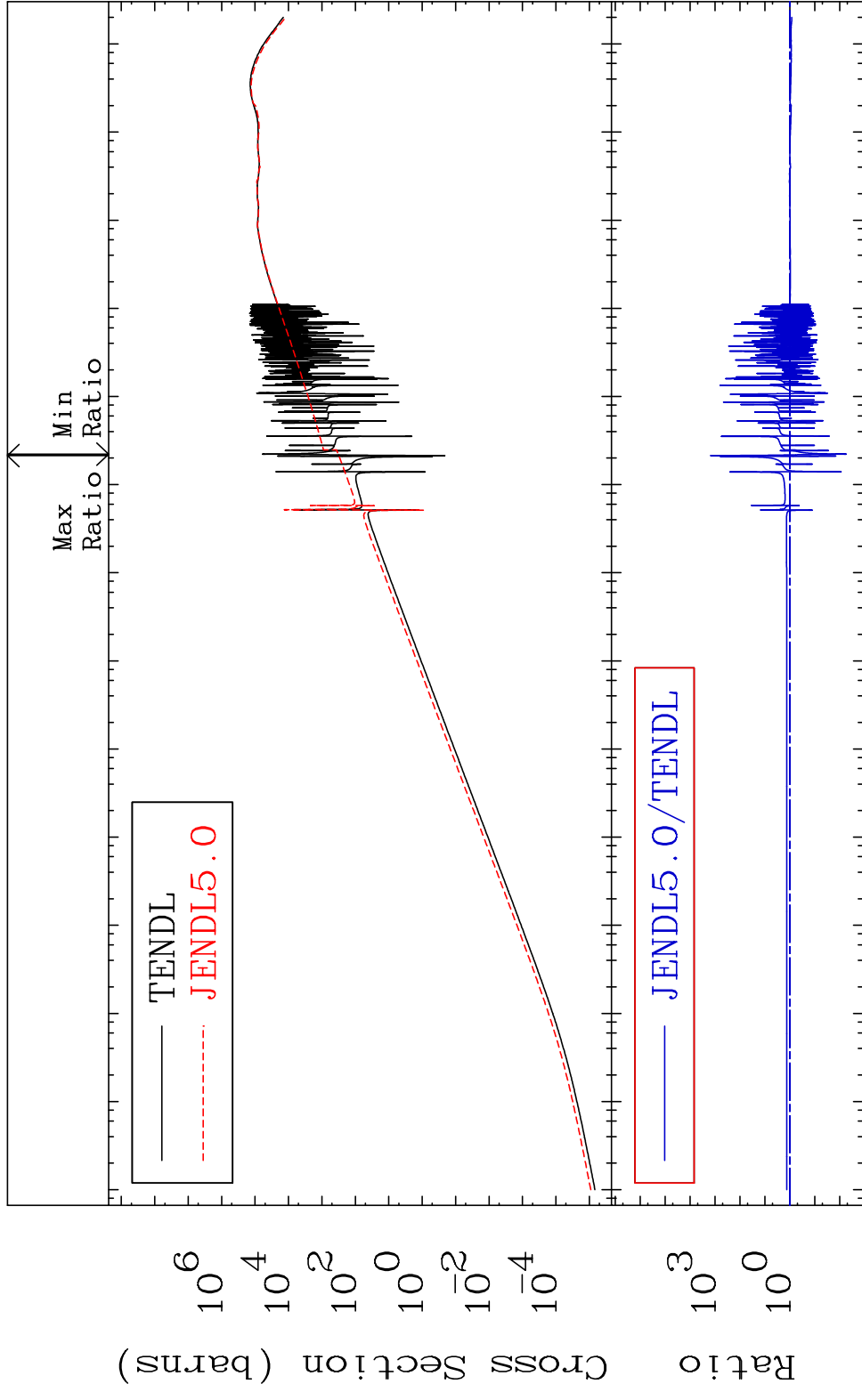


MAT 3643 Kerma total (eV-barns) 36-Kr-84
 Cross Section -99.45 To 9999. %



MAT 3643

Kerma elastic Cross Section -99.45 To 9999. %
36-Kr-84



Ratio

10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴

10³
10⁰

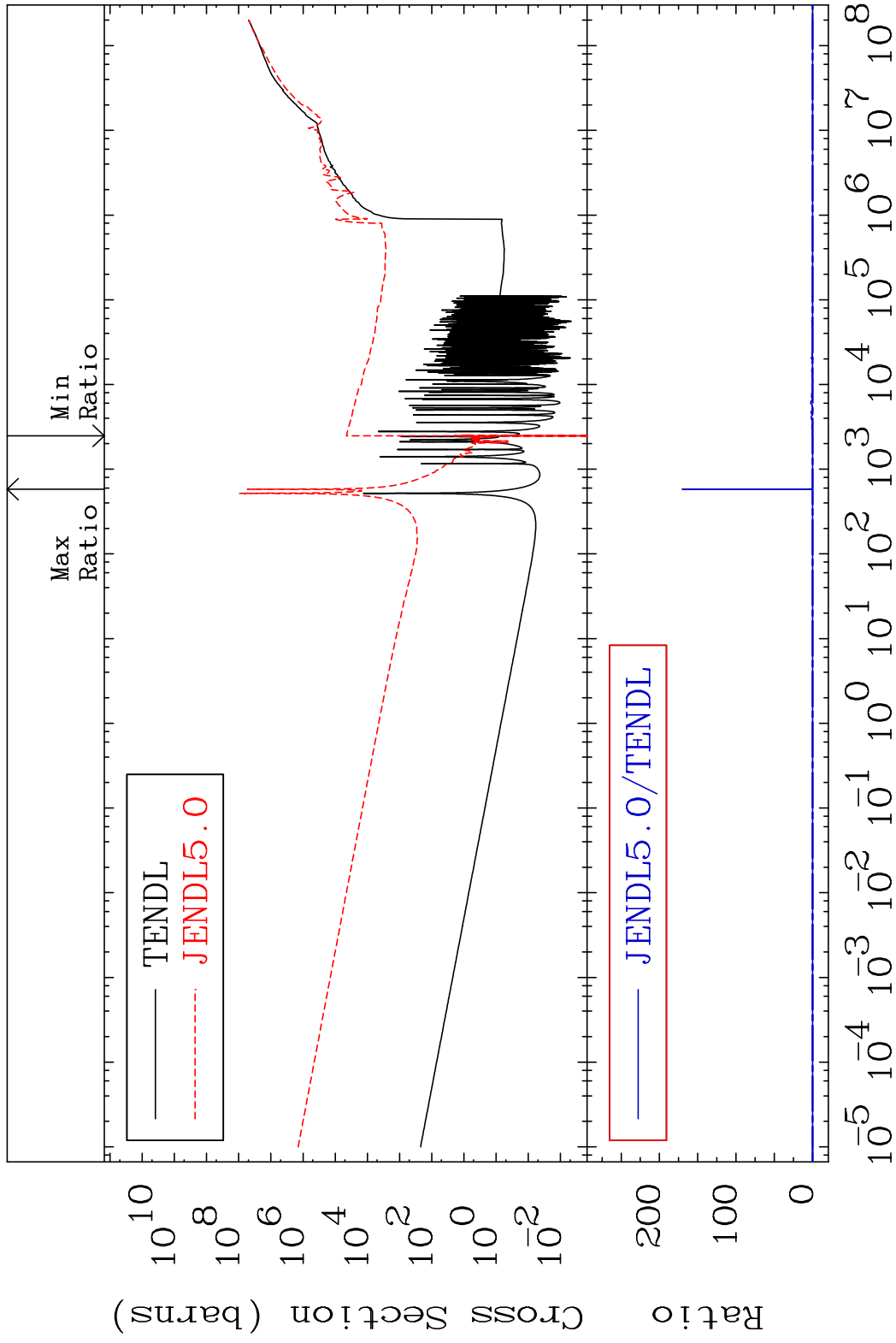
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50

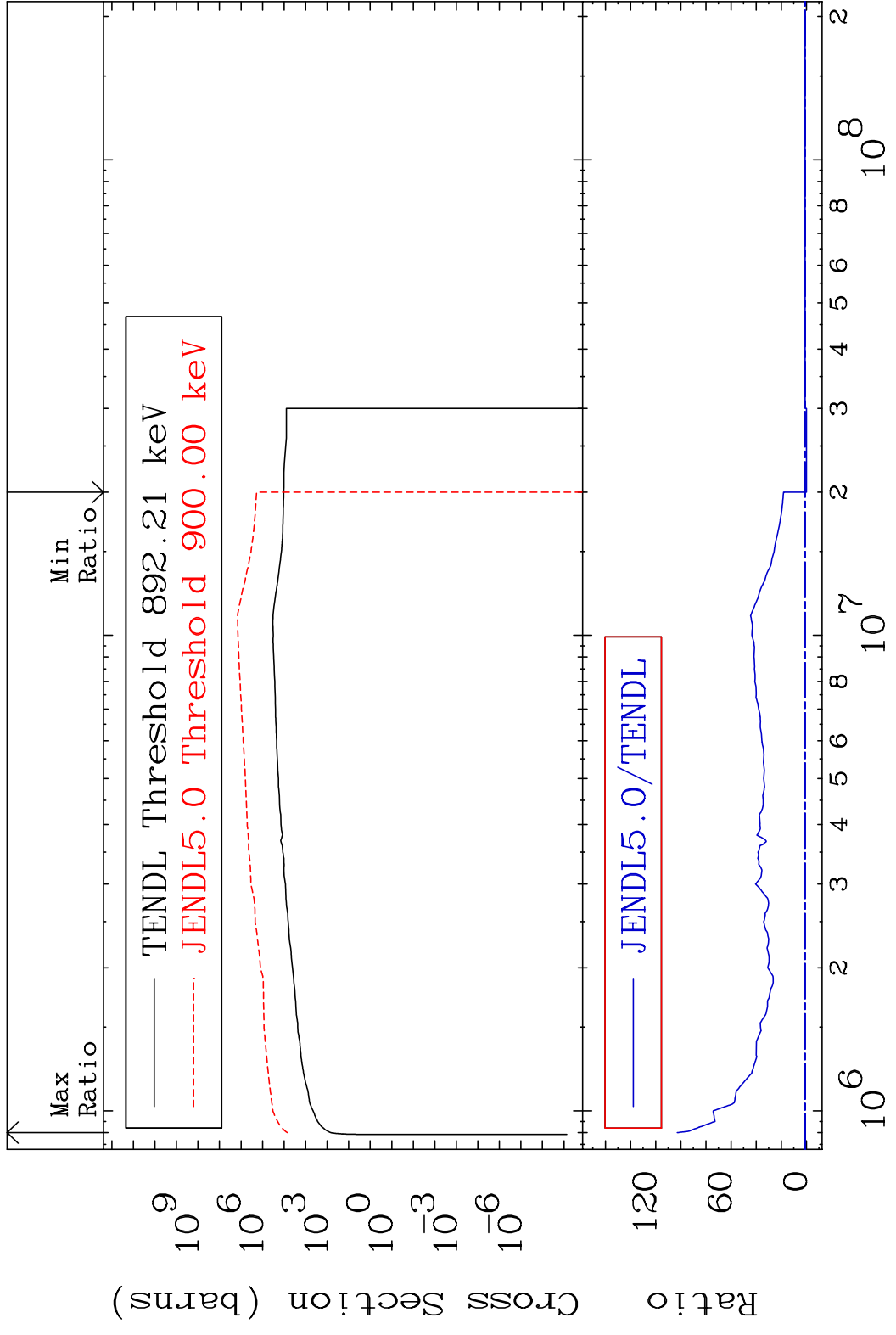
Incident Energy (eV)

36-Kr-84

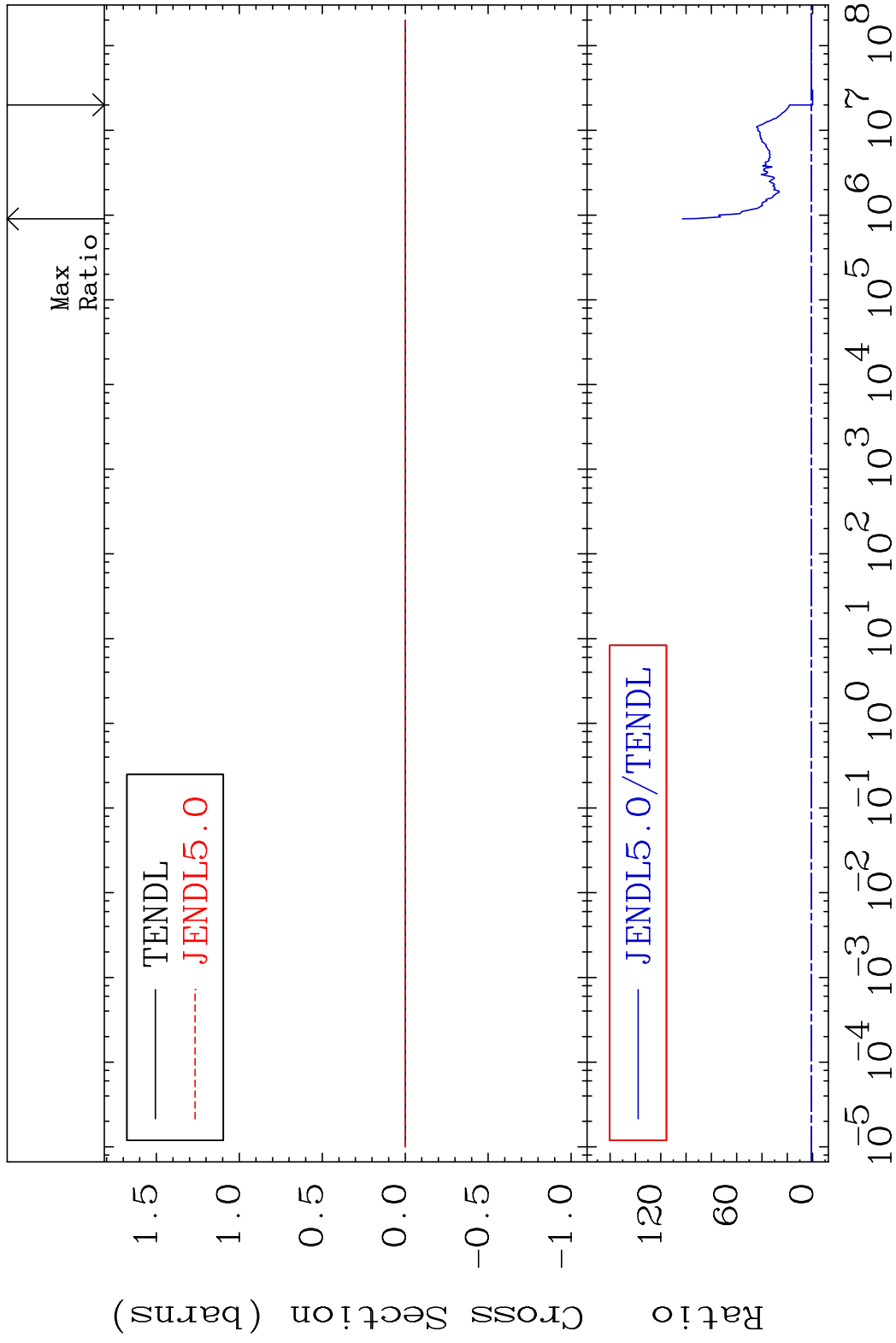
MAT 3643 Kerma non-elastic (all but mt2) 36-Kr-84
 Cross Section -706.8 To 9999. %



MAT 3643 Kerma inelastic (mt51-91) 36-Kr-84
 Cross Section -100.0 To 9999. %

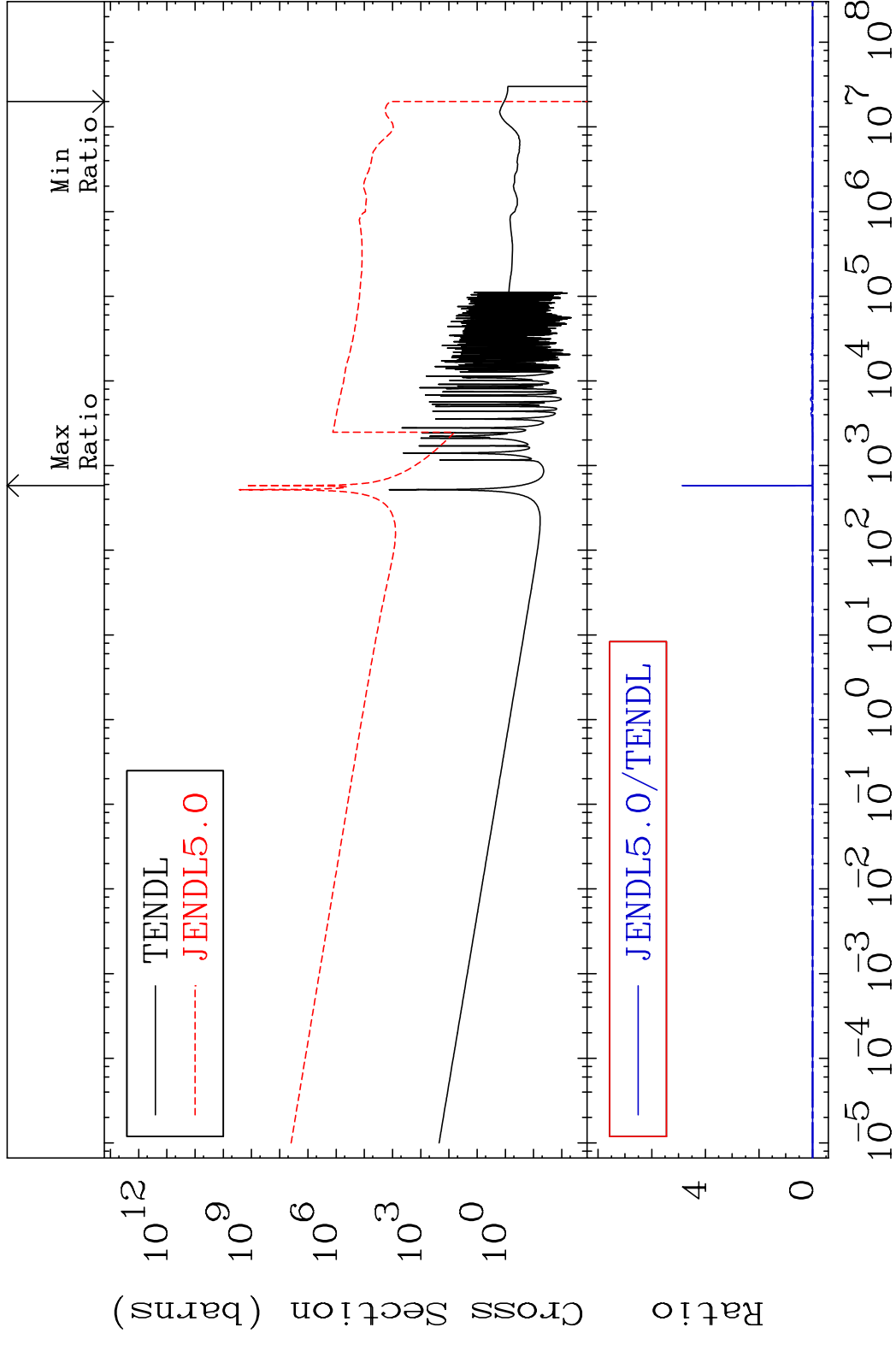


MAT 3643 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-84
 Cross Section -100.0 To 9999. %



MAT 3643

Kerma capture (mt102) 36-Kr-84
Cross Section -100.0 To 9999. %

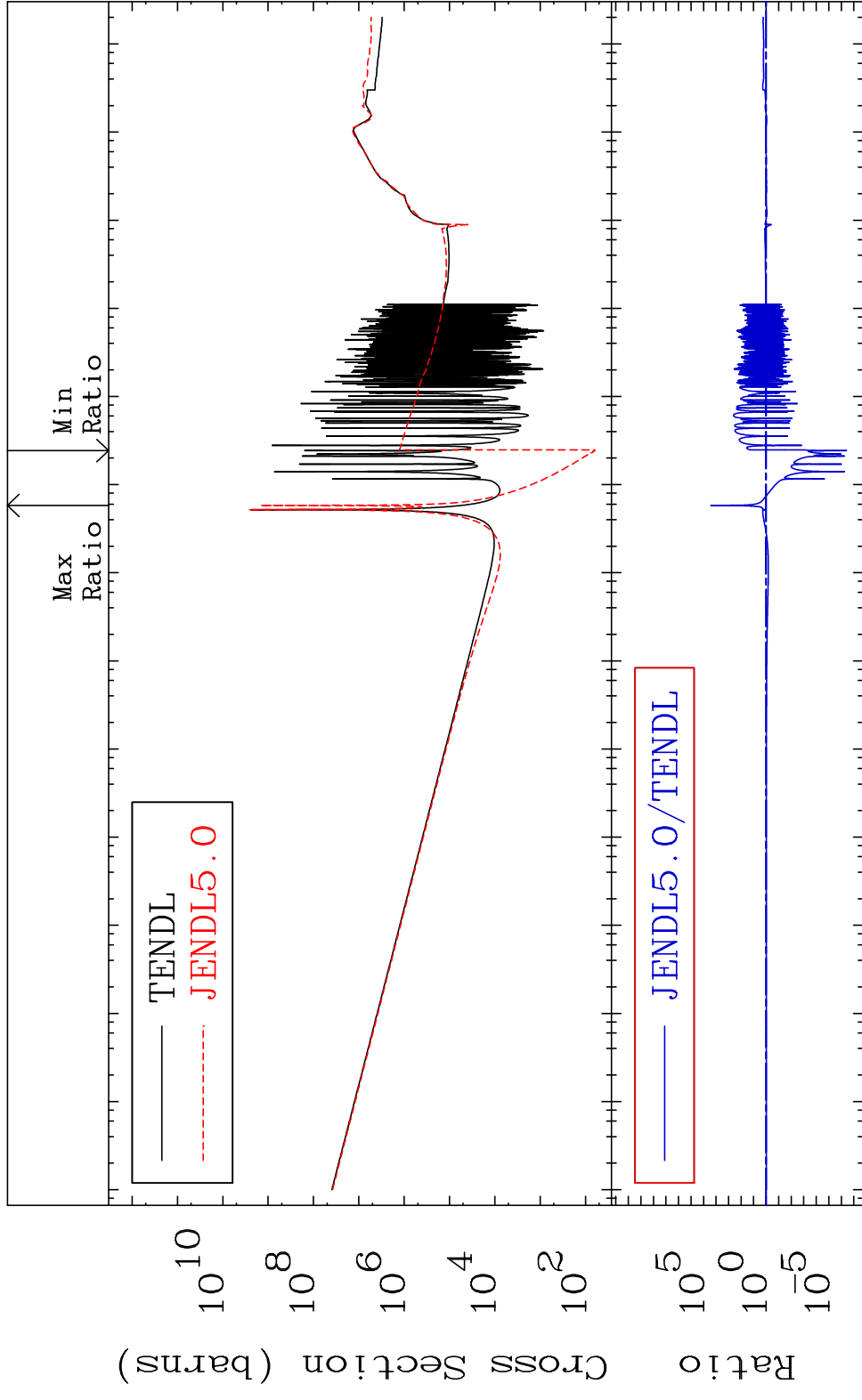


54

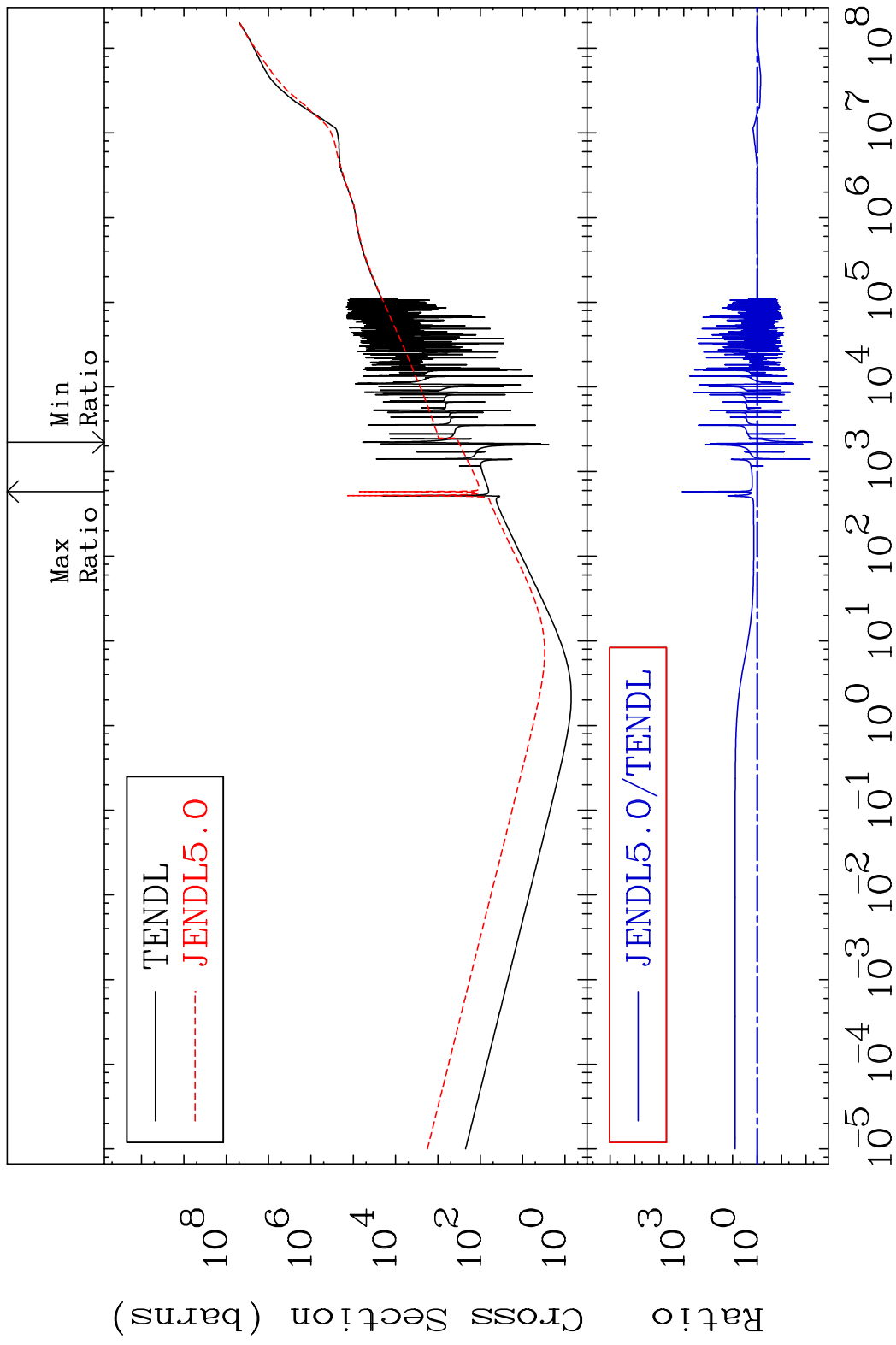
Incident Energy (eV)

36-Kr-84

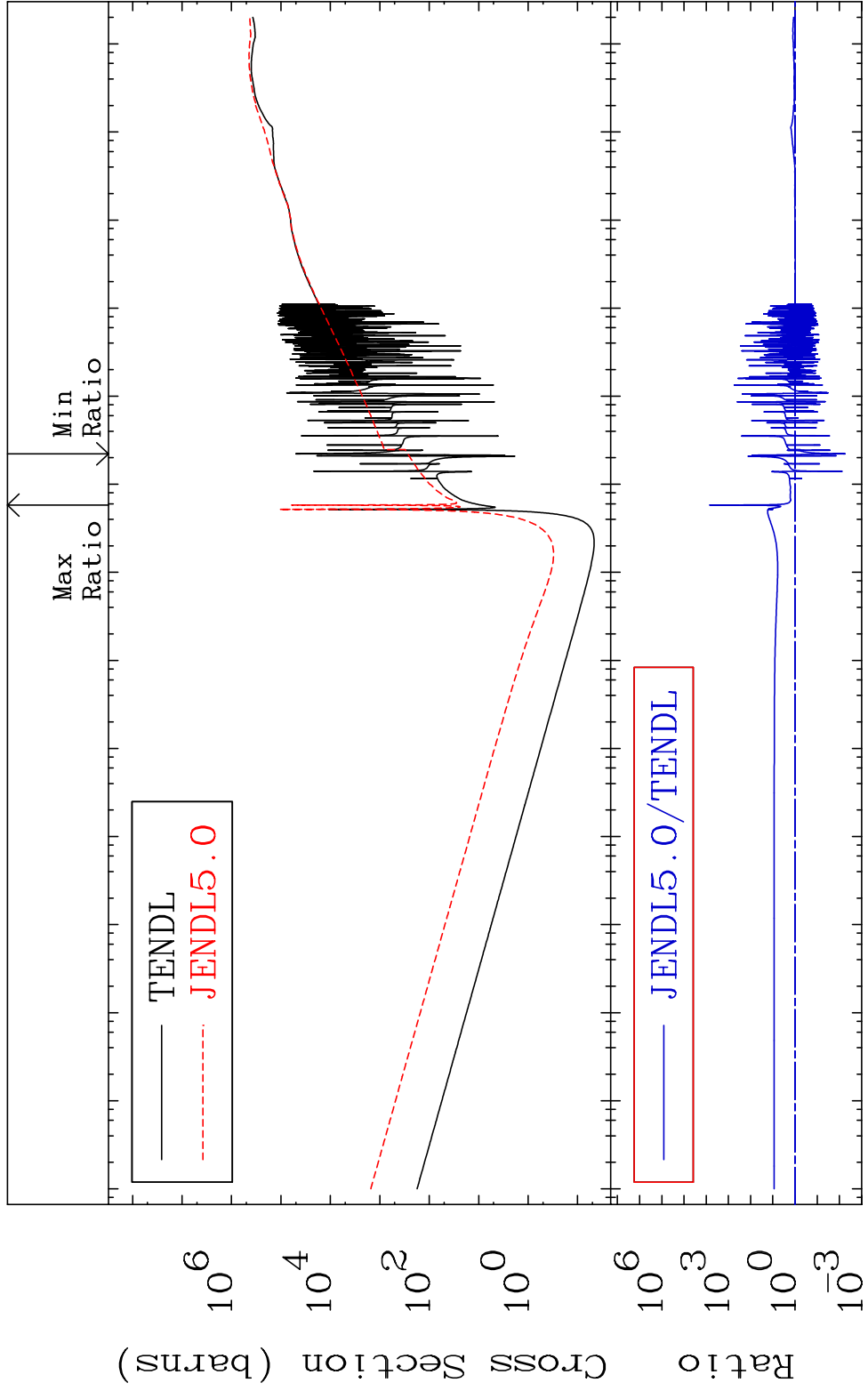
MAT 3643 Total photon (eV-barns) 36-Kr-84
 Cross Section -100.0 To 9999. %



MAT 3643 Total kinematic kerma (high limit) 36-Kr-84
 Cross Section -99.46 To 9999. %



MAT 3643 Dpa total (eV-barns) 36-Kr-84
 Cross Section -99.46 To 9999. %

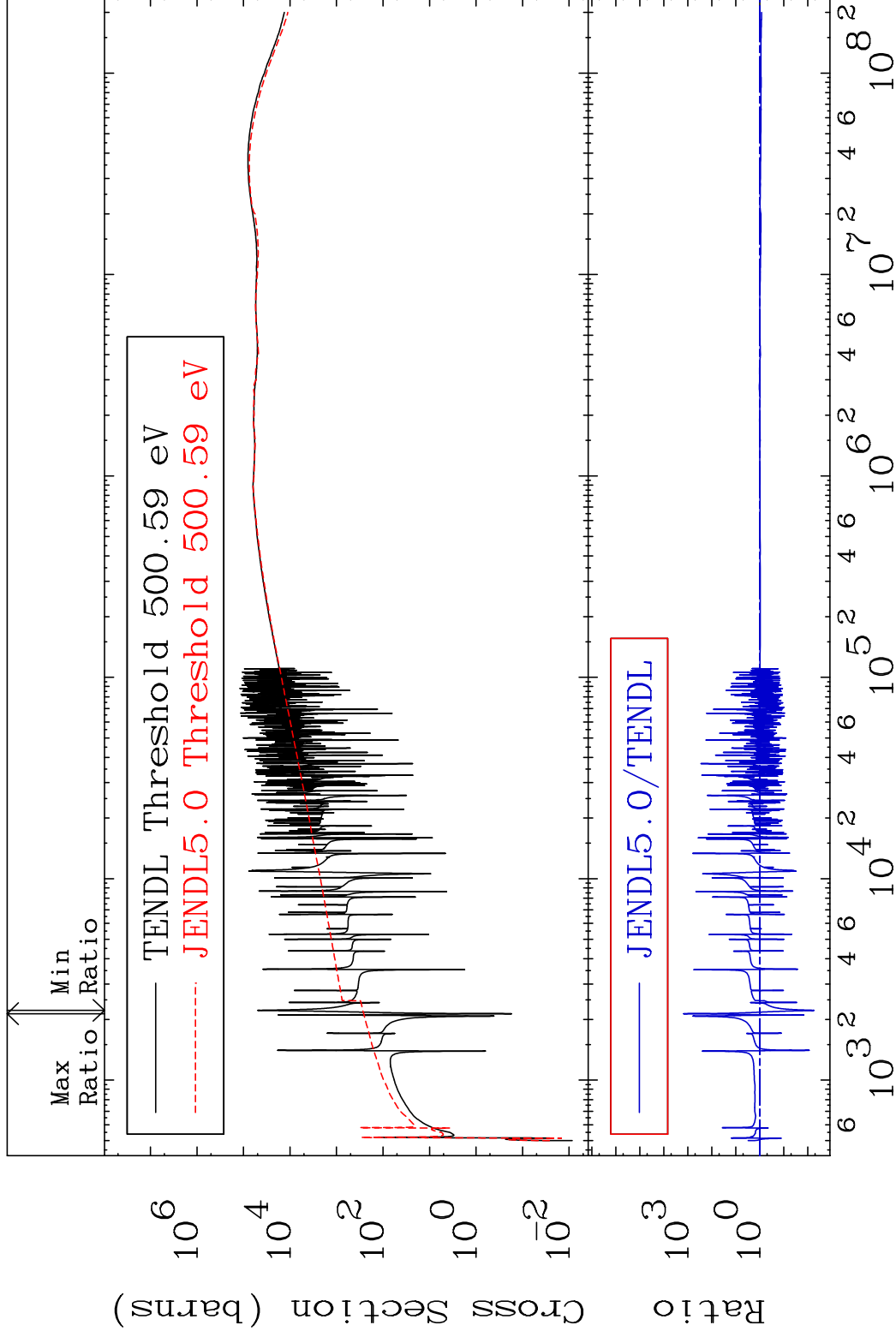


MAT 3643

Dpa elastic (mt2)

36-Kr-84

Cross Section -99.45 To 9999. %

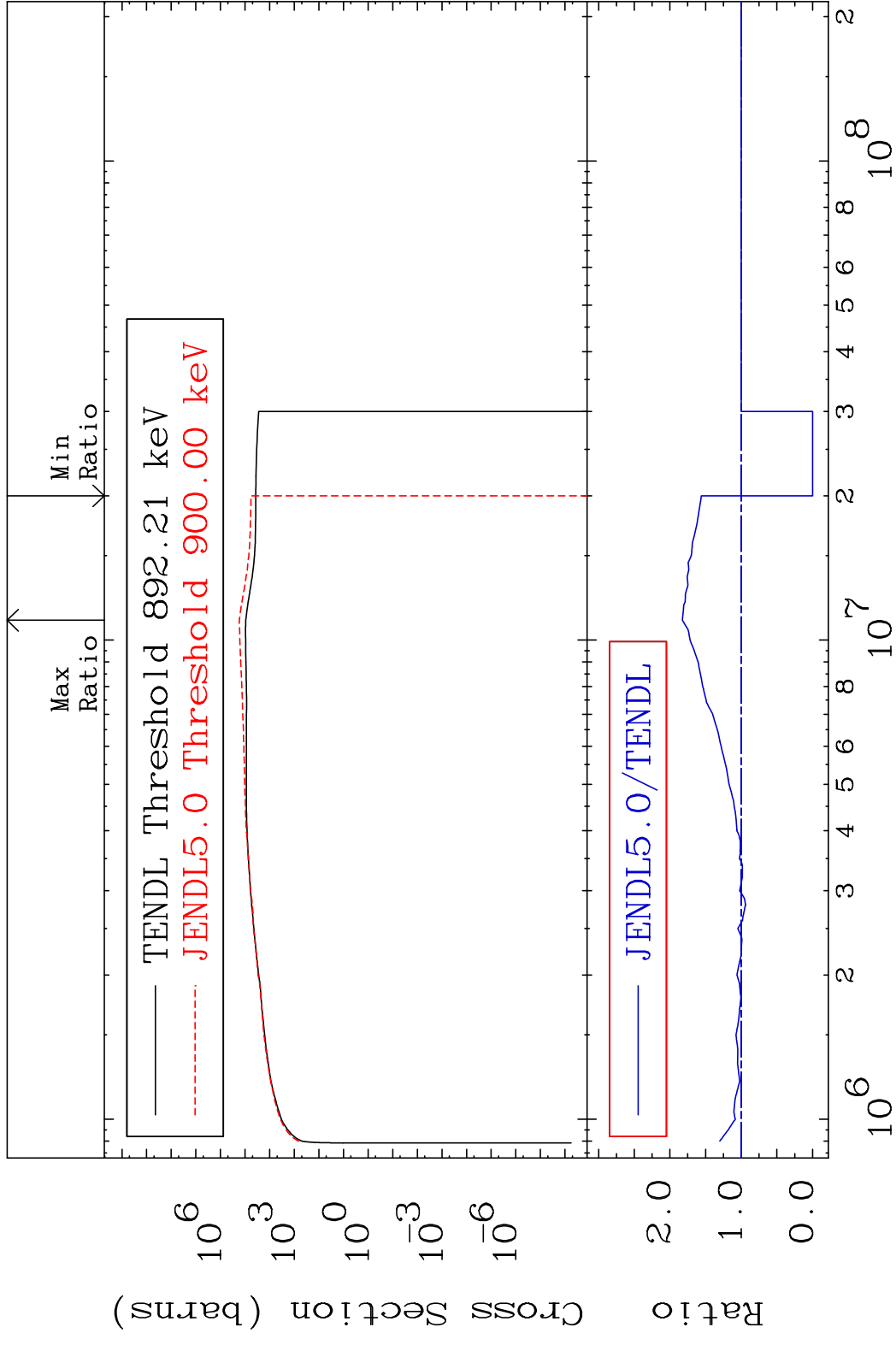


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Incident Energy (eV)

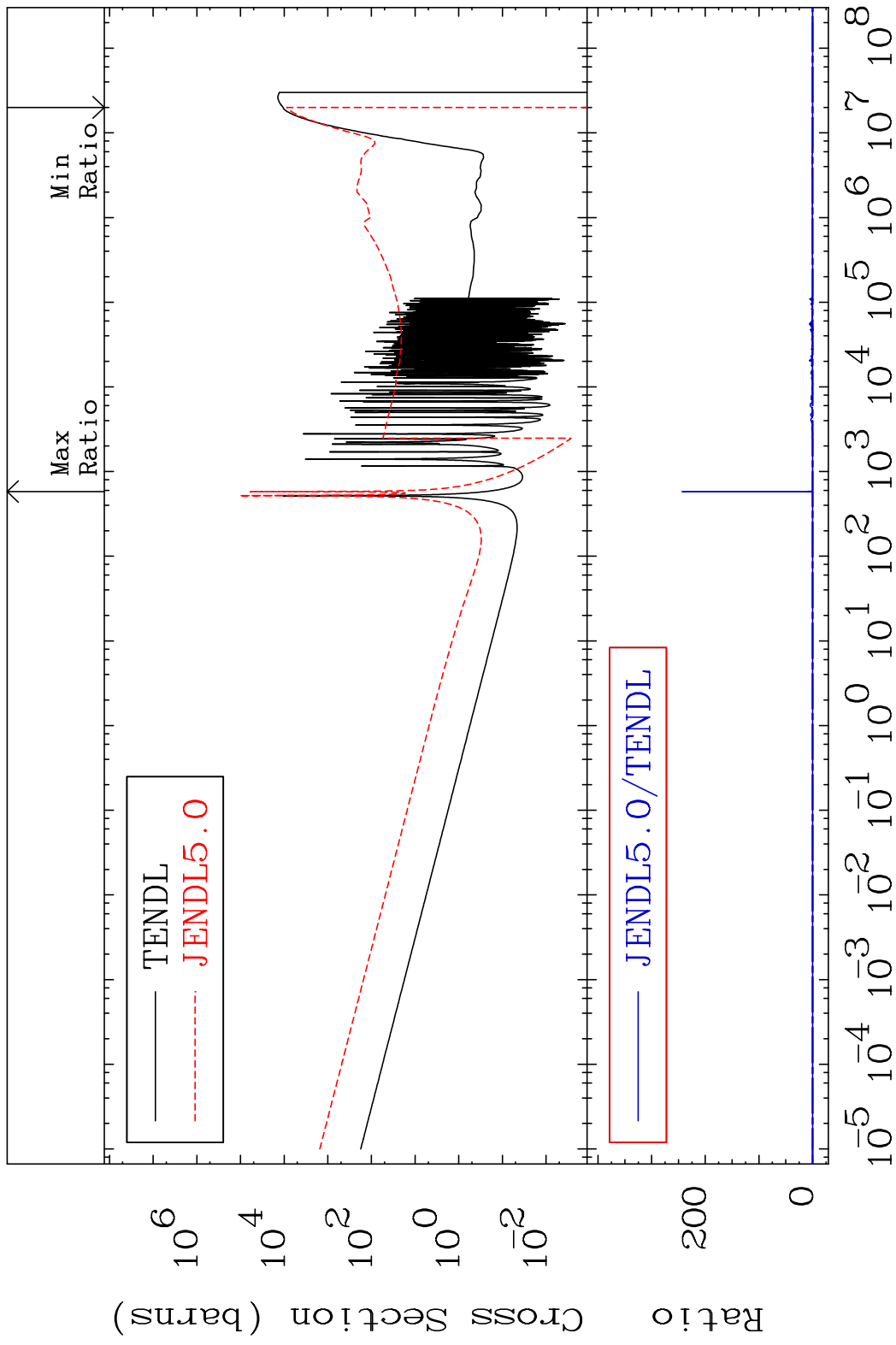
36-Kr-84

MAT 3643 Dpa inelastic (mt51-91) 36-Kr-84
 Cross Section -100.0 To 82.56 %



59 Incident Energy (eV) 36-Kr-84

MAT 3643 Dpa disappearance (mt102 -120) 36-Kr-84
 Cross Section -100.0 To 9999. %

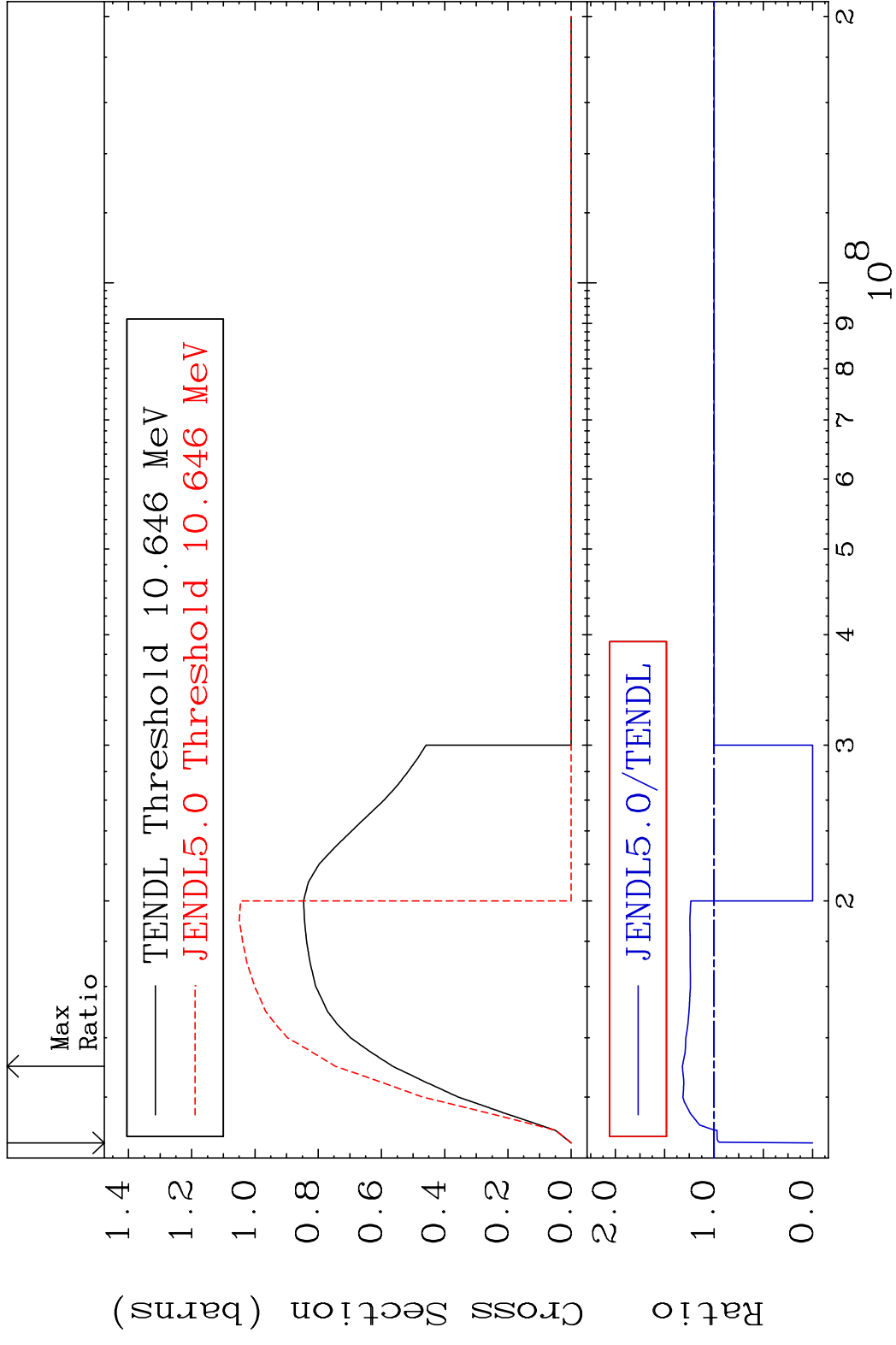


60

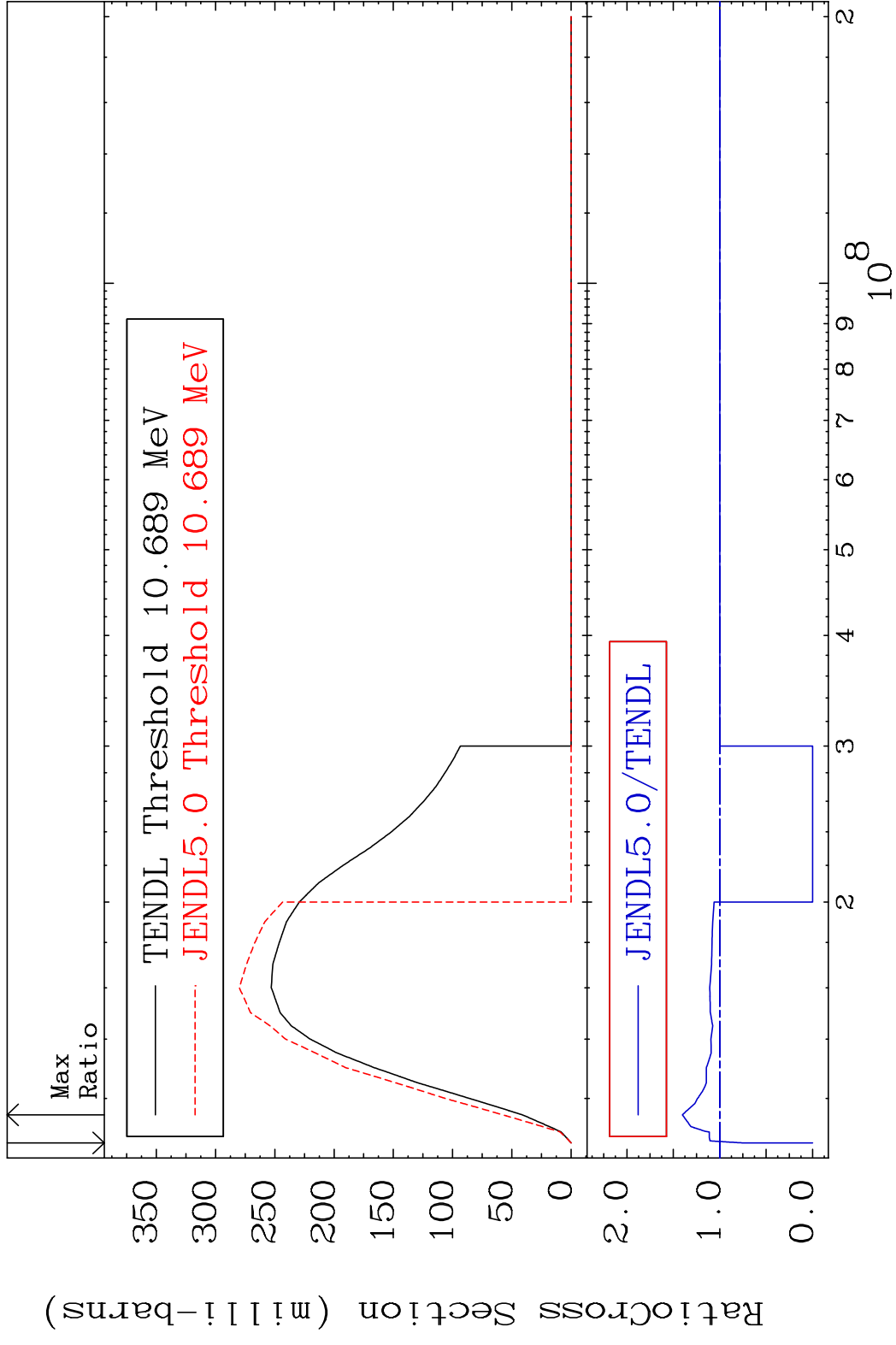
Incident Energy (eV)

36-Kr-84

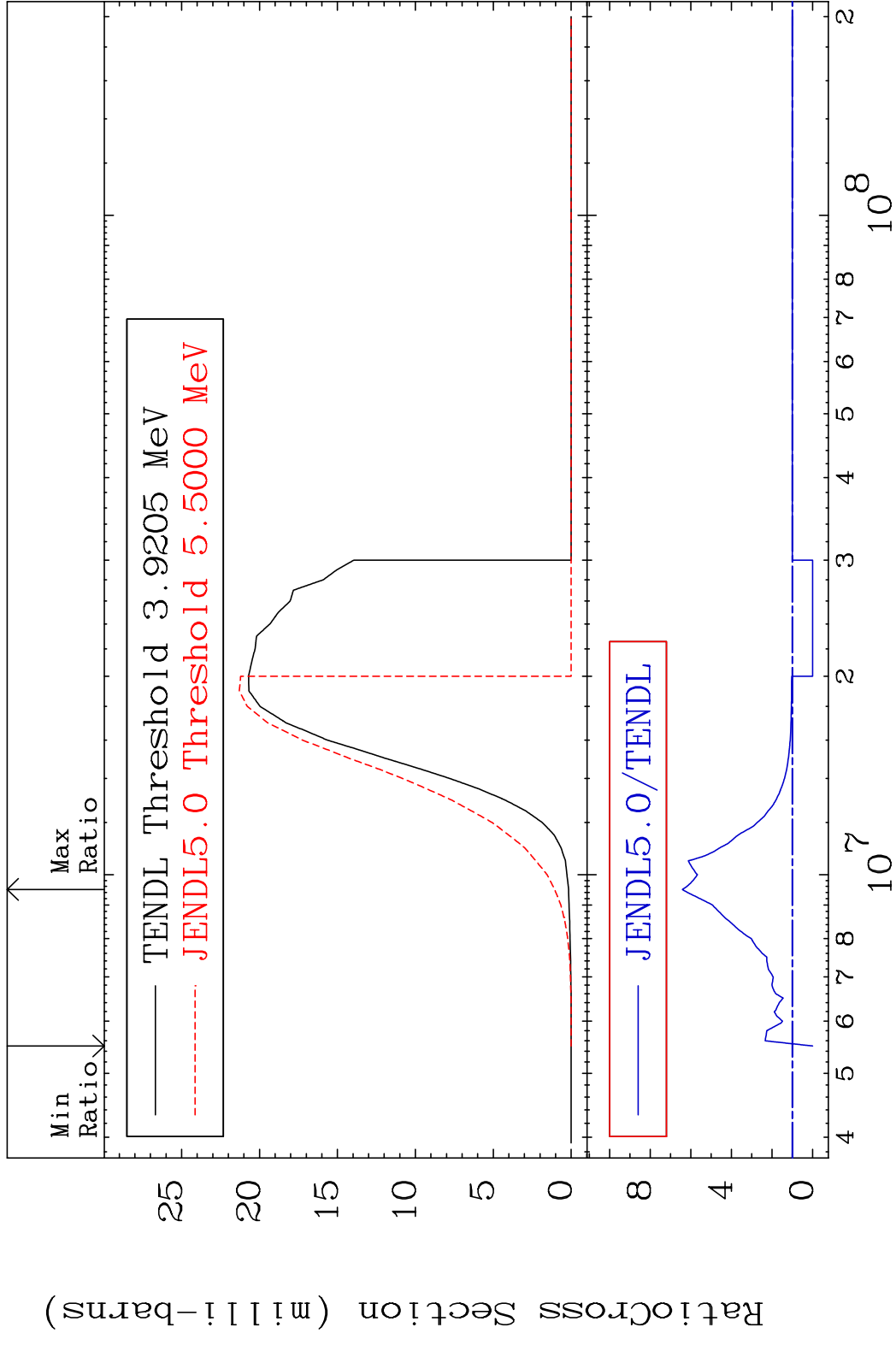
MAT 3643 (n,2n):36-Kr-83g 36-Kr-84
 Radionuclide Production Cross Section 180.01 dth 32.08 %



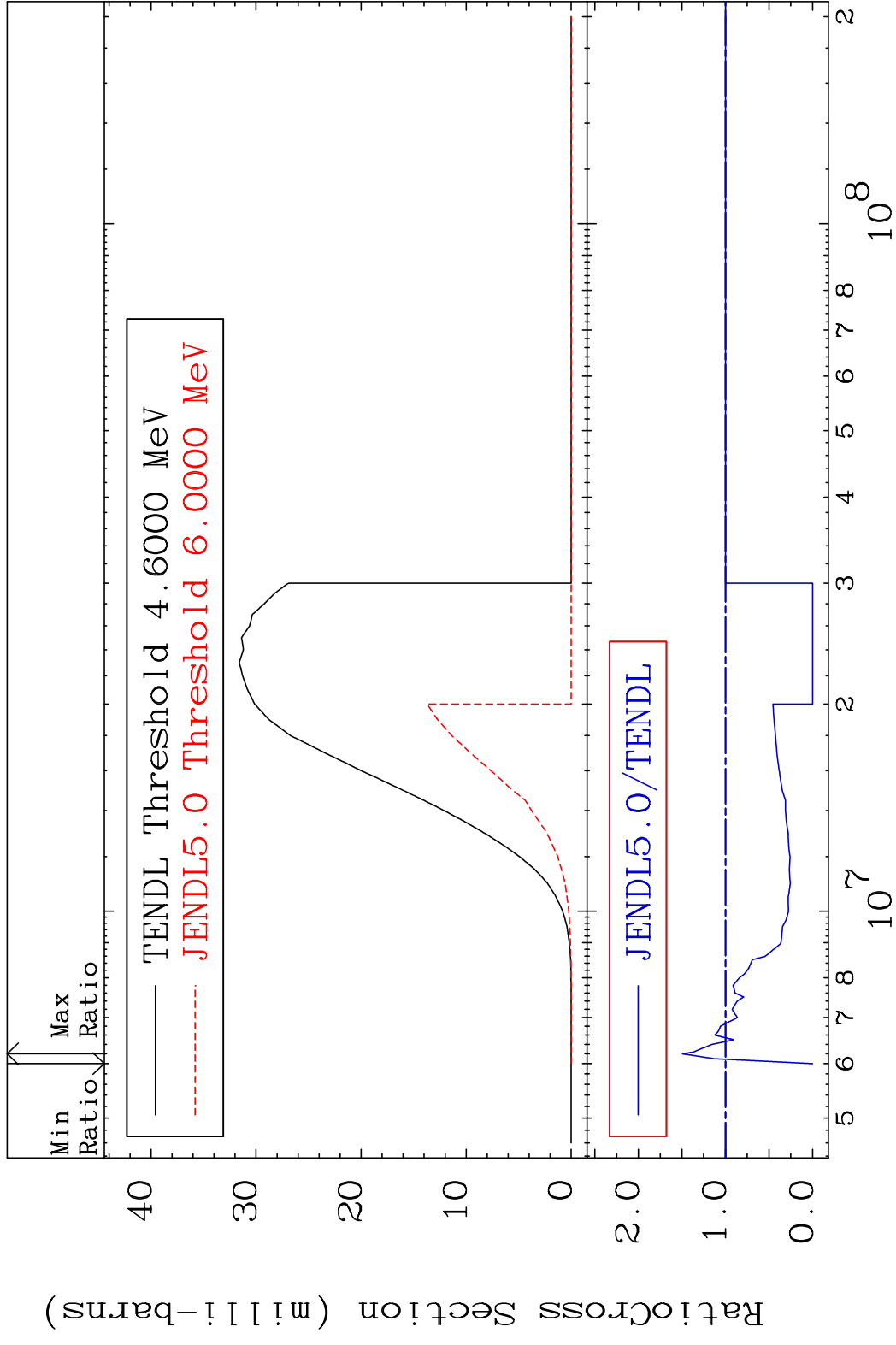
MAT 3643 (n,2n):36-Kr-83m2 36-Kr-84
 Radionuclide Production Cross Section 180.0 mb 40.25 %



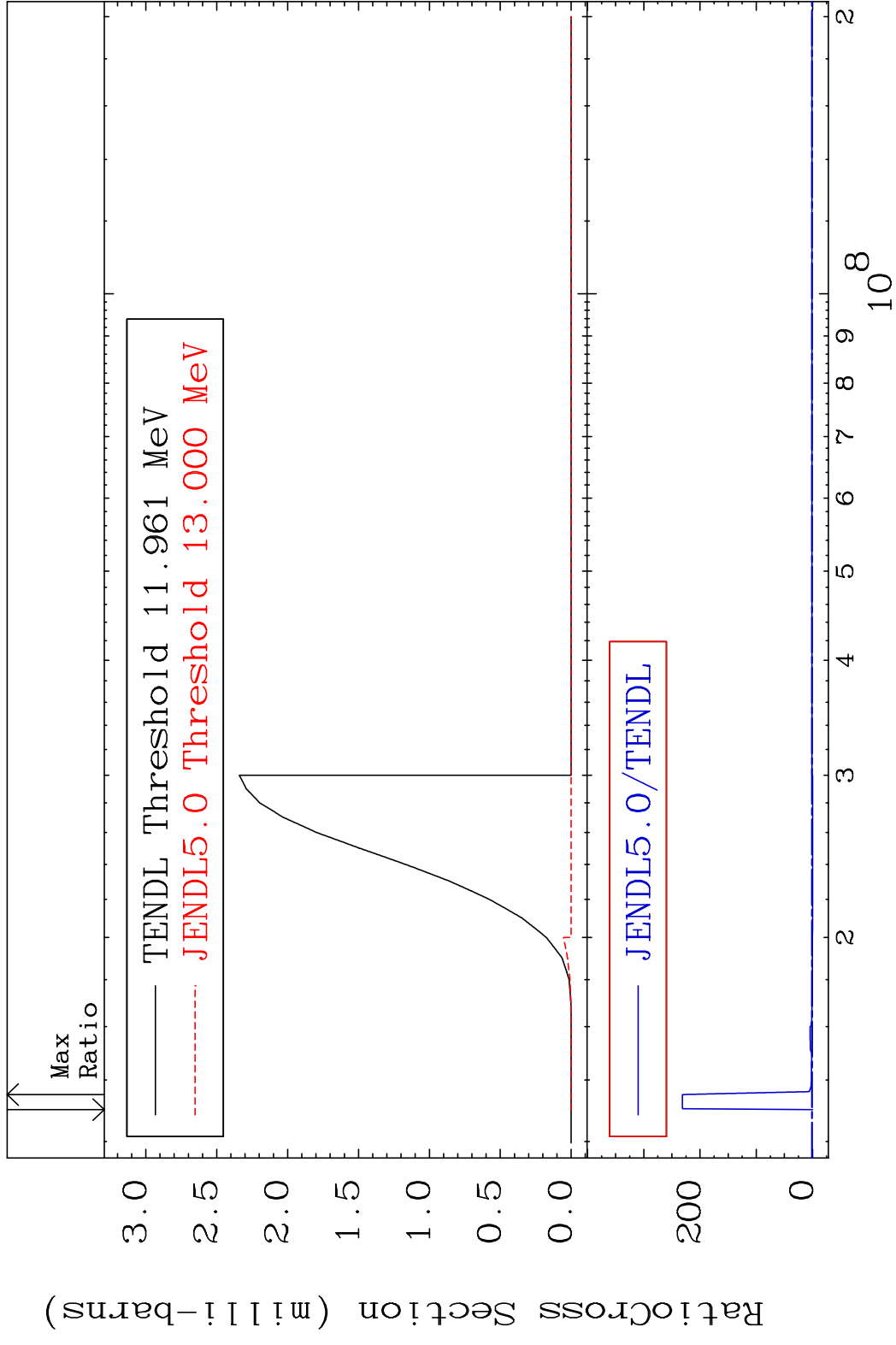
MAT 3643 (n, p): 35-Br-84g 36-Kr-84
 Radionuclide Production Cross Section 542.0 %

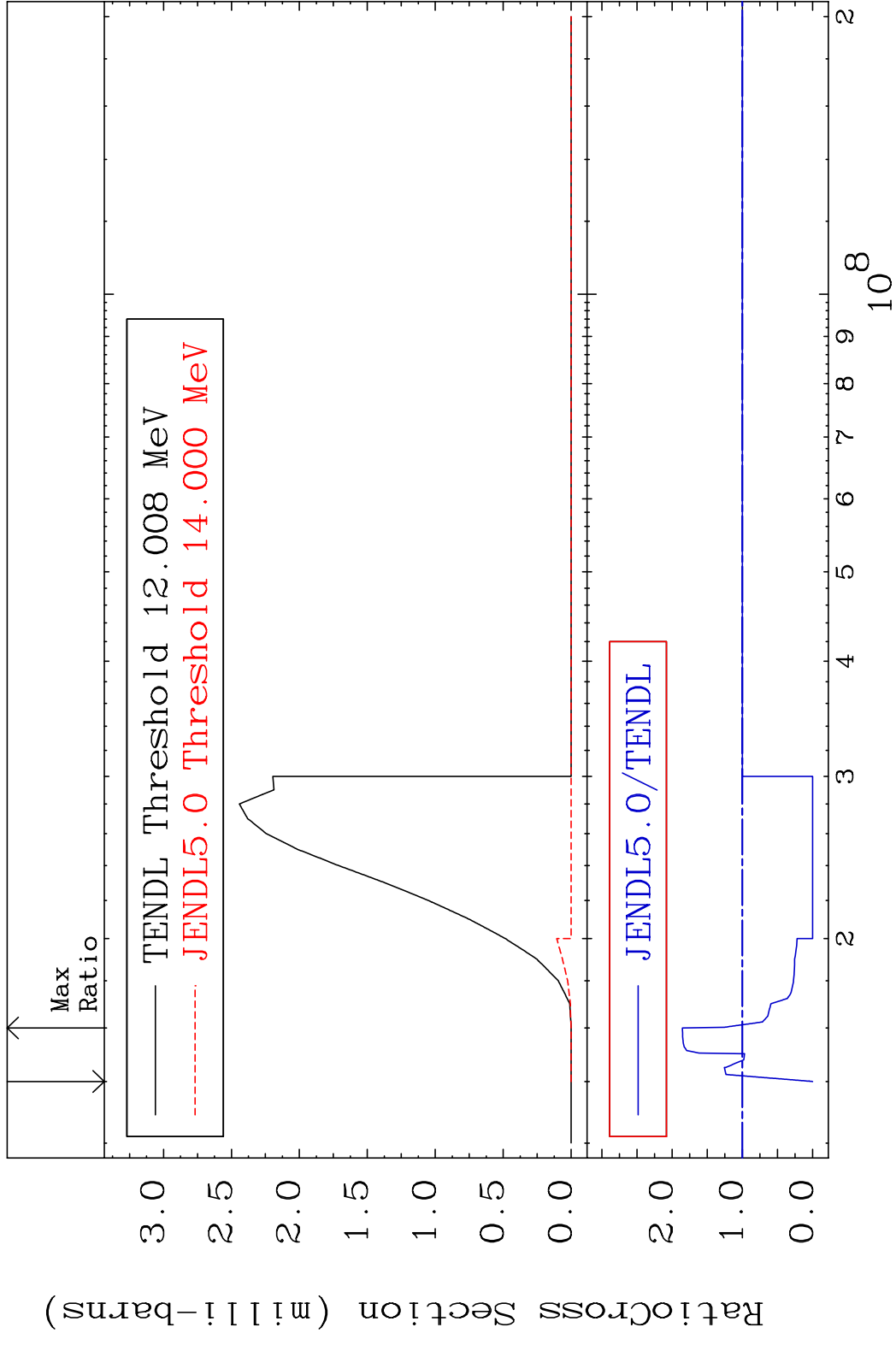


MAT 3643 (n,p):35-Br-84m1 36-Kr-84
 Radionuclide Production Cross Section 180.01 dth 49.51 %

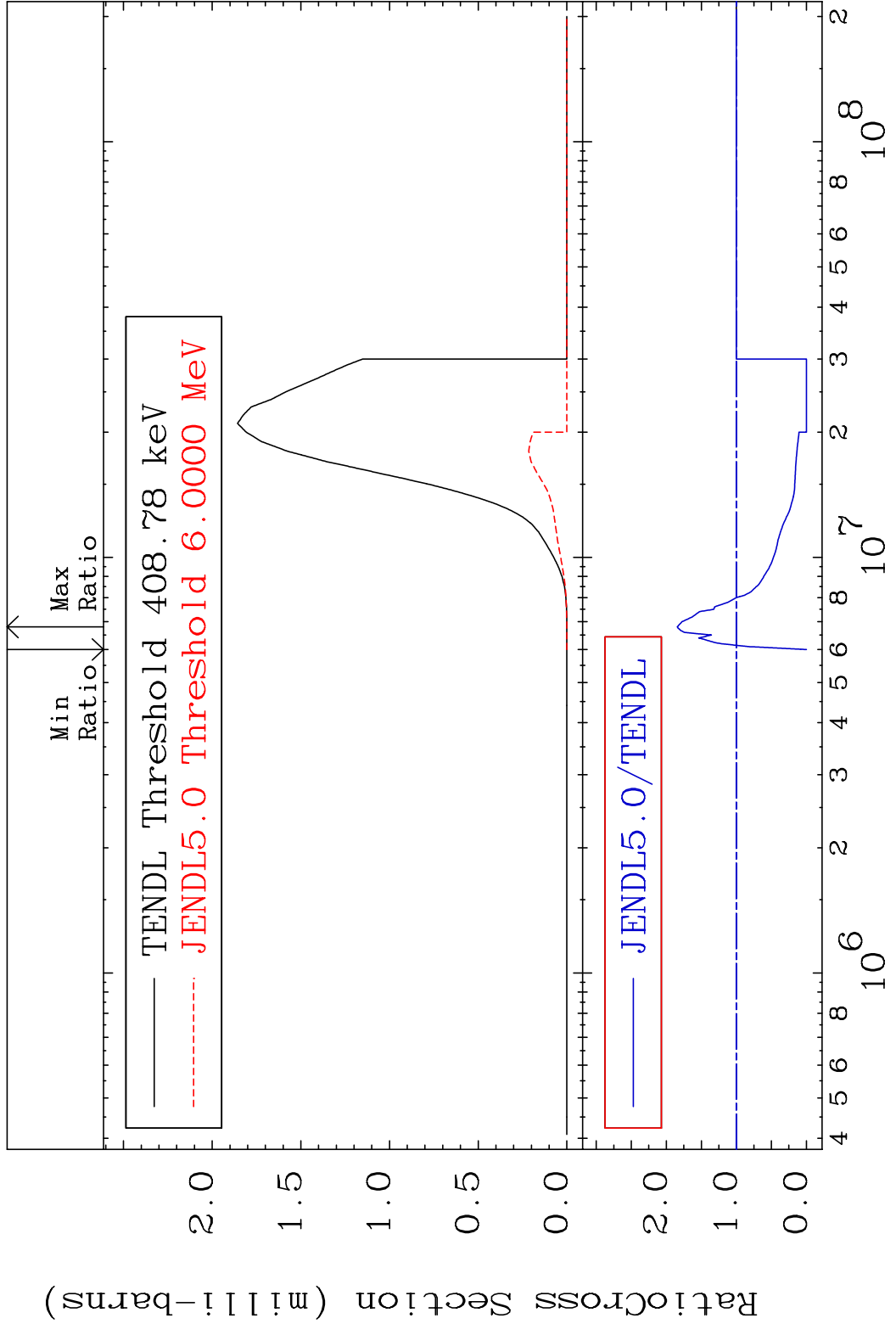


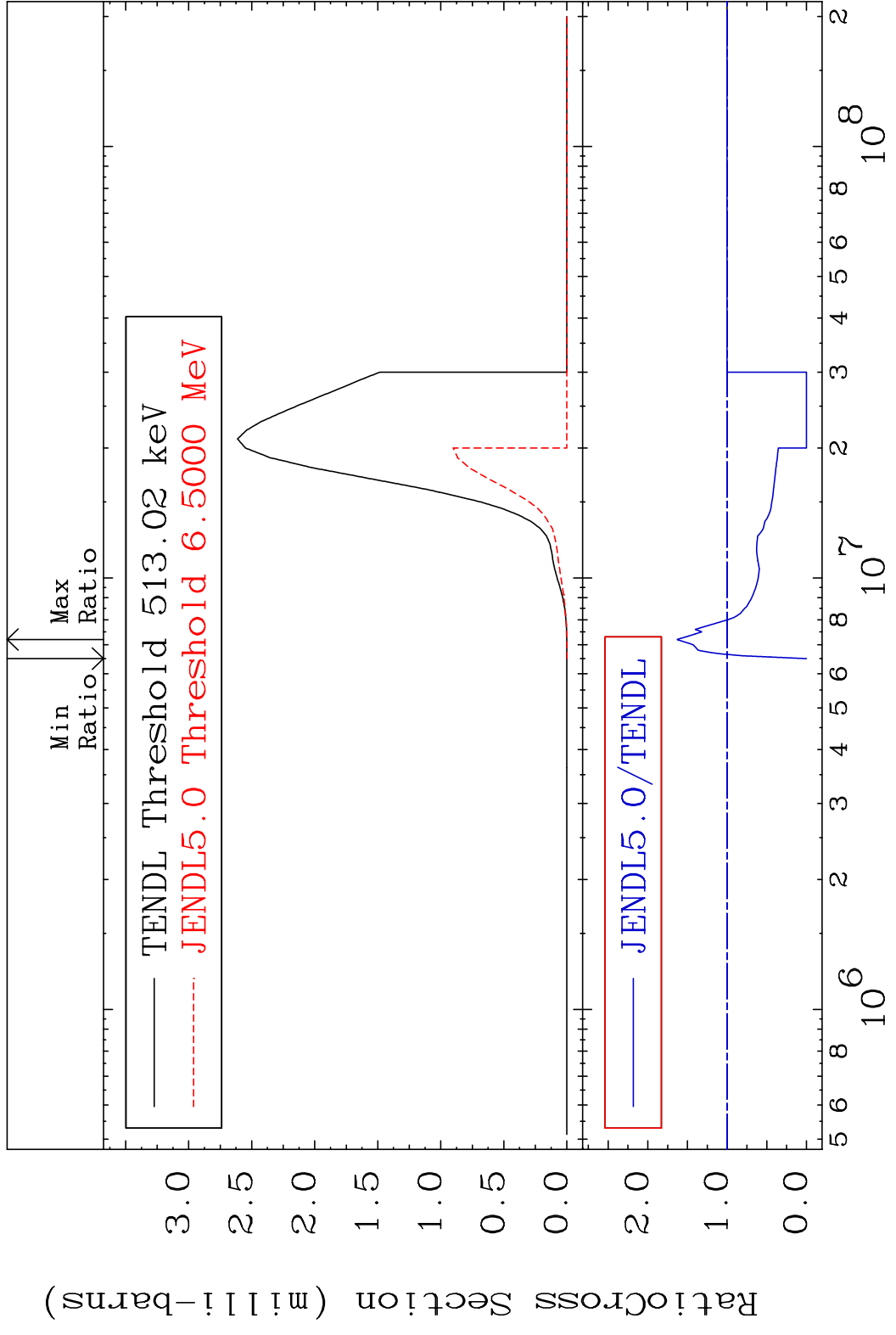
MAT 3643 (n, t):35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section Ratio 9999. %



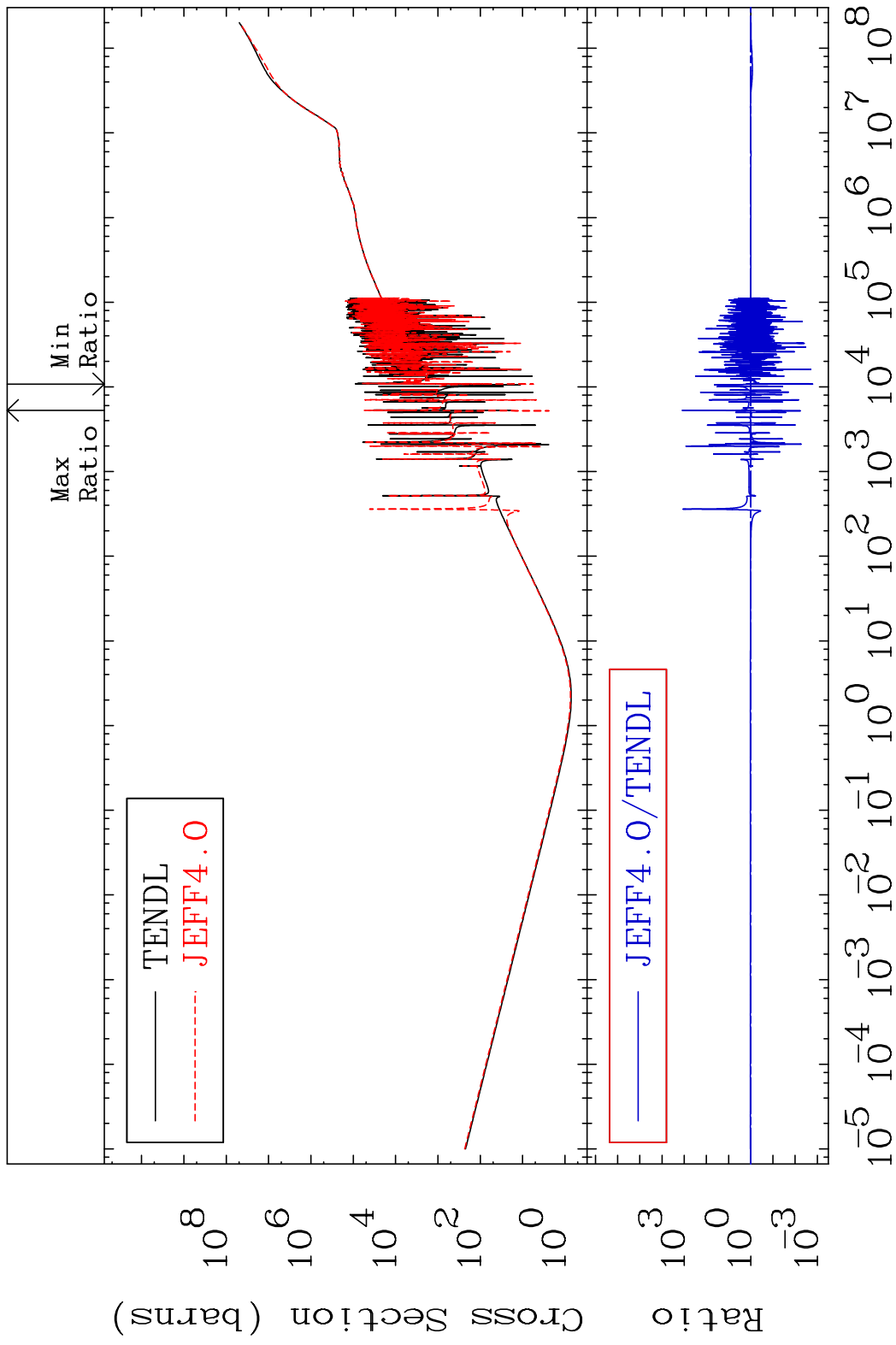


MAT 3643 (n, α):34-Se-81g 36-Kr-84
 Radionuclide Production Cross Section Ratio 84.46 %





MAT 3643 Total kinematic kerma (high limit) 36-Kr-84
 Cross Section -99.84 To 9999. %

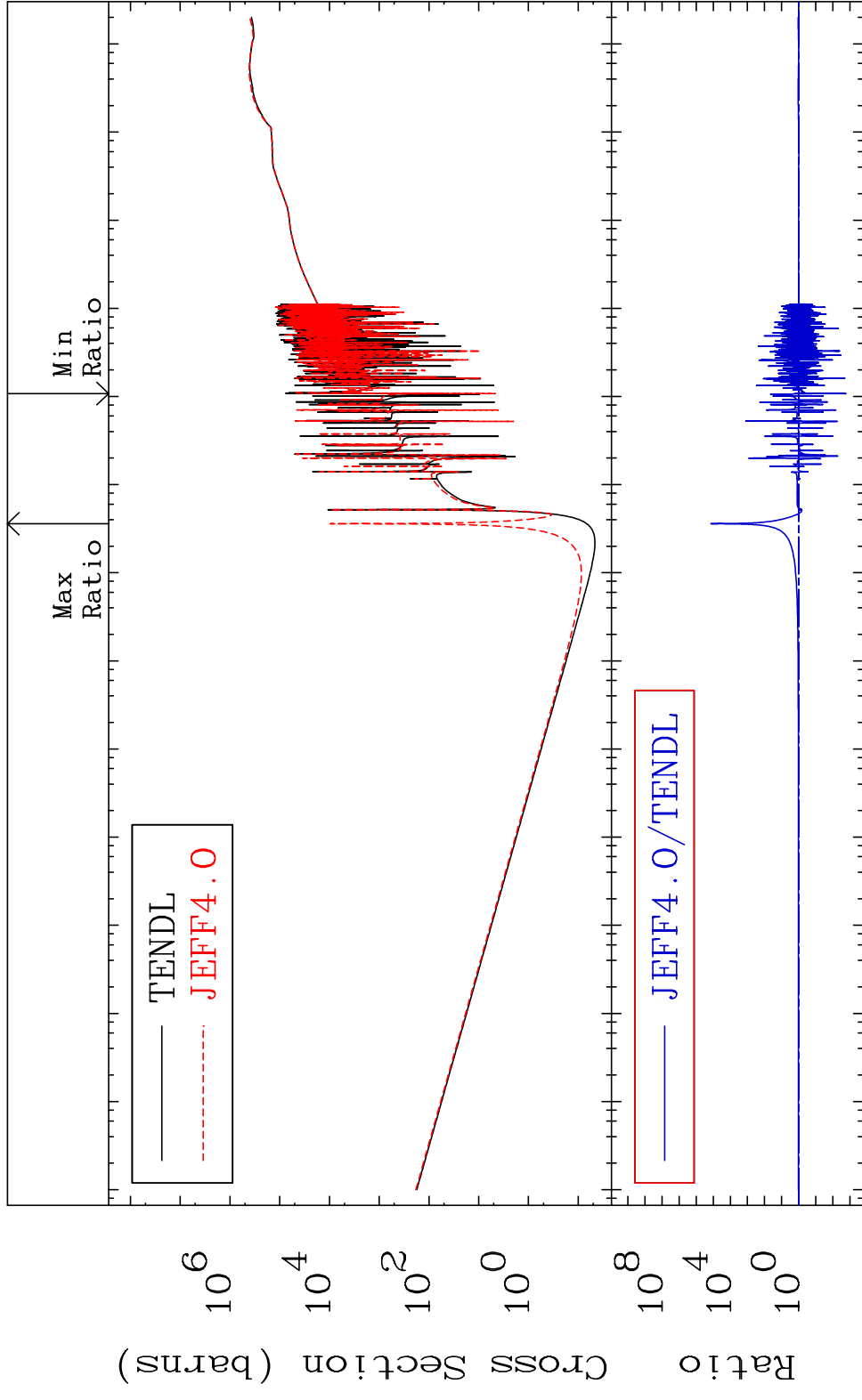


MAT 3643

Dpa total (eV-barns)

36-Kr-84

Cross Section -99.84 To 9999. %



70

Incident Energy (eV)

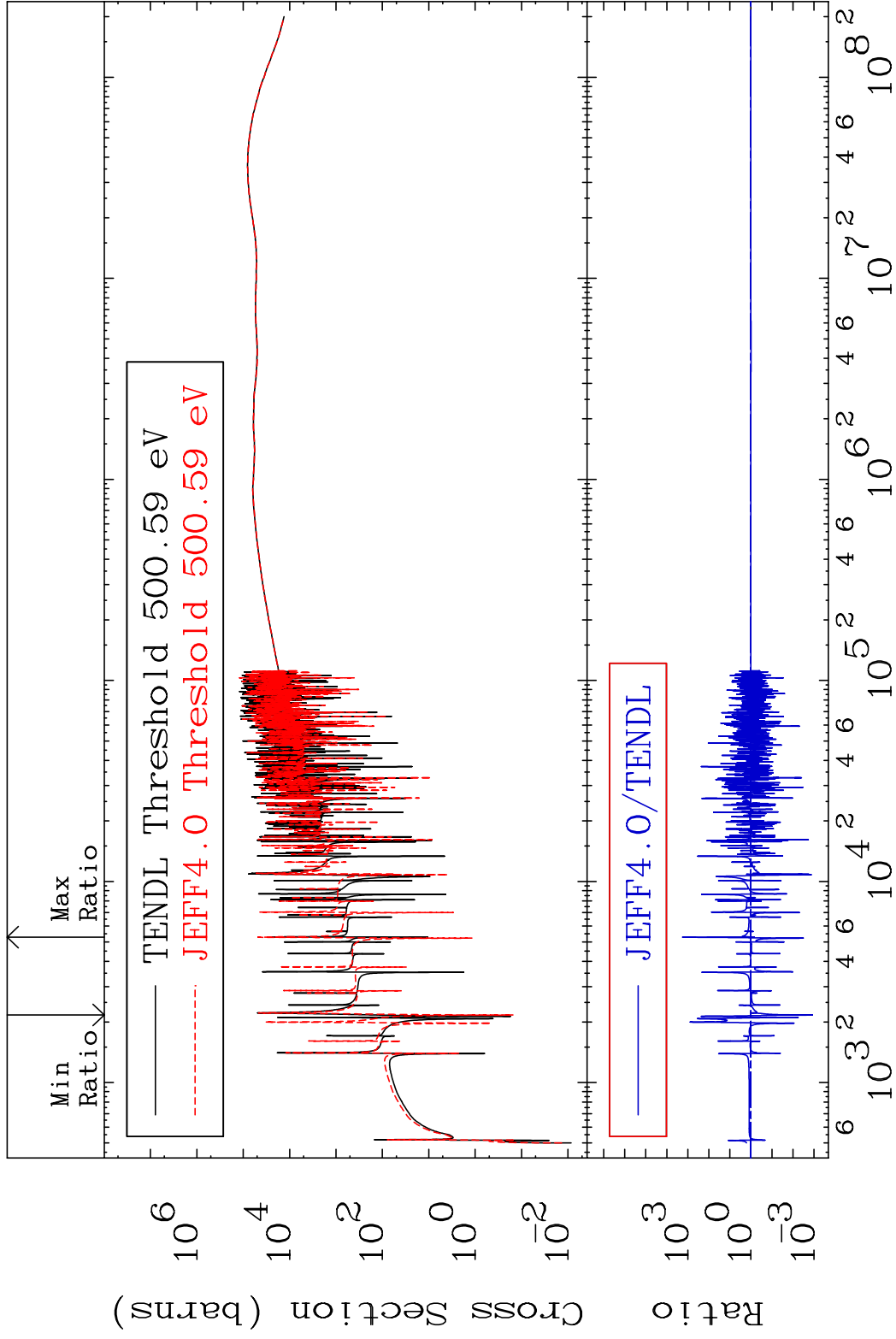
36-Kr-84

MAT 3643

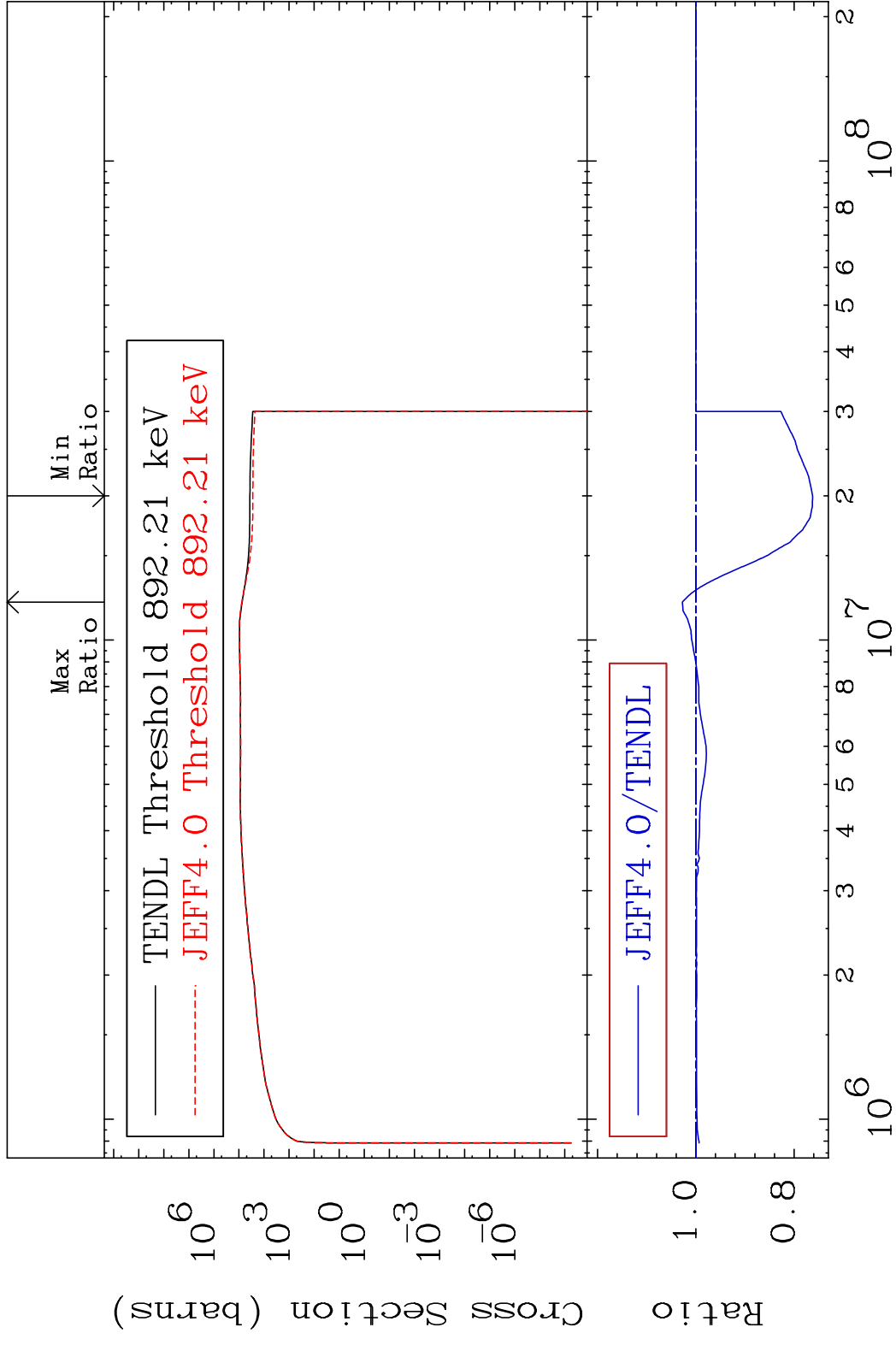
Dpa elastic (mt2)

36-Kr-84

Cross Section -99.88 To 9999. %

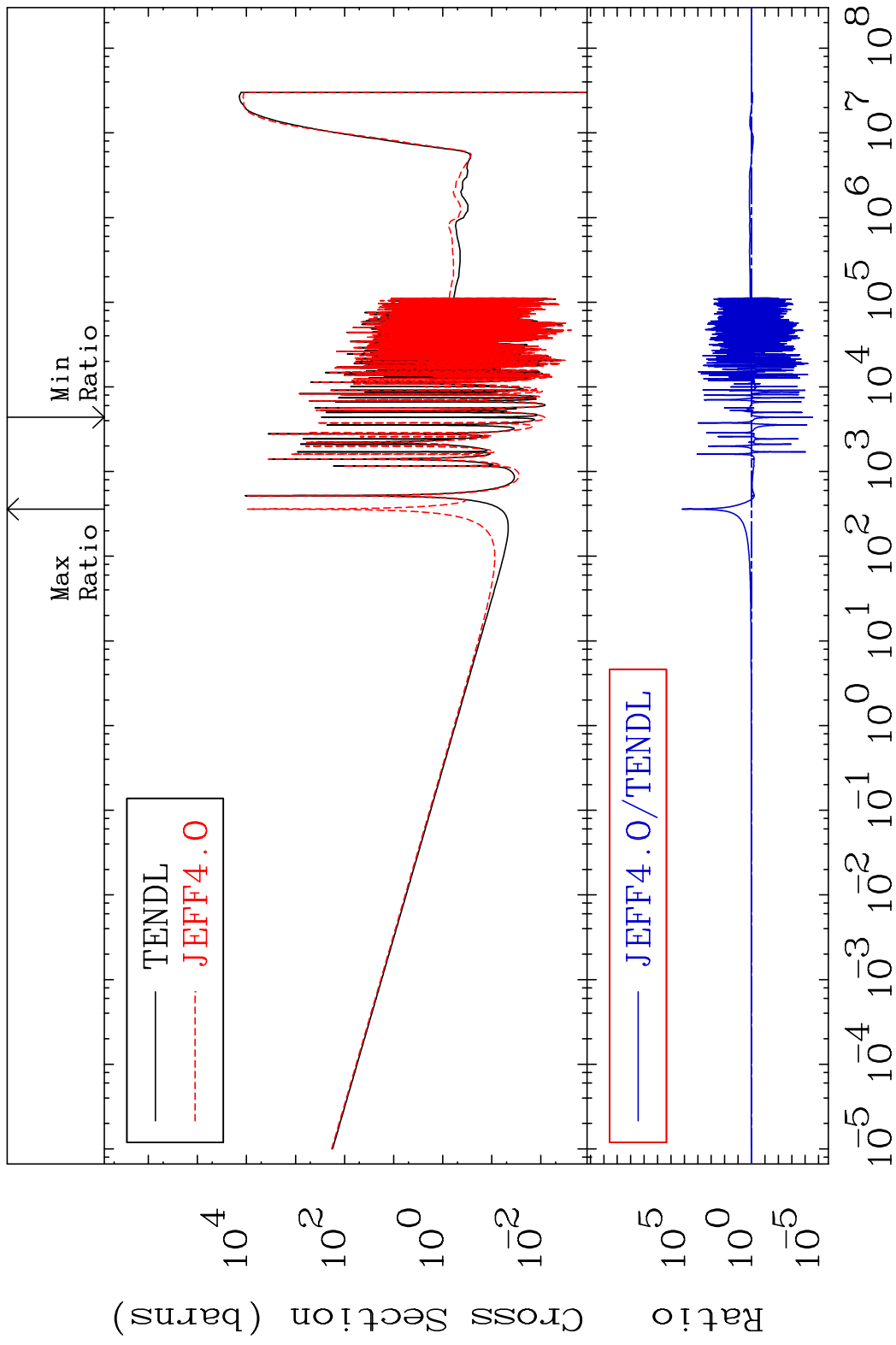


MAT 3643 Dpa inelastic (mt51-91) 36-Kr-84
 Cross Section -23.75 To 2.751 %

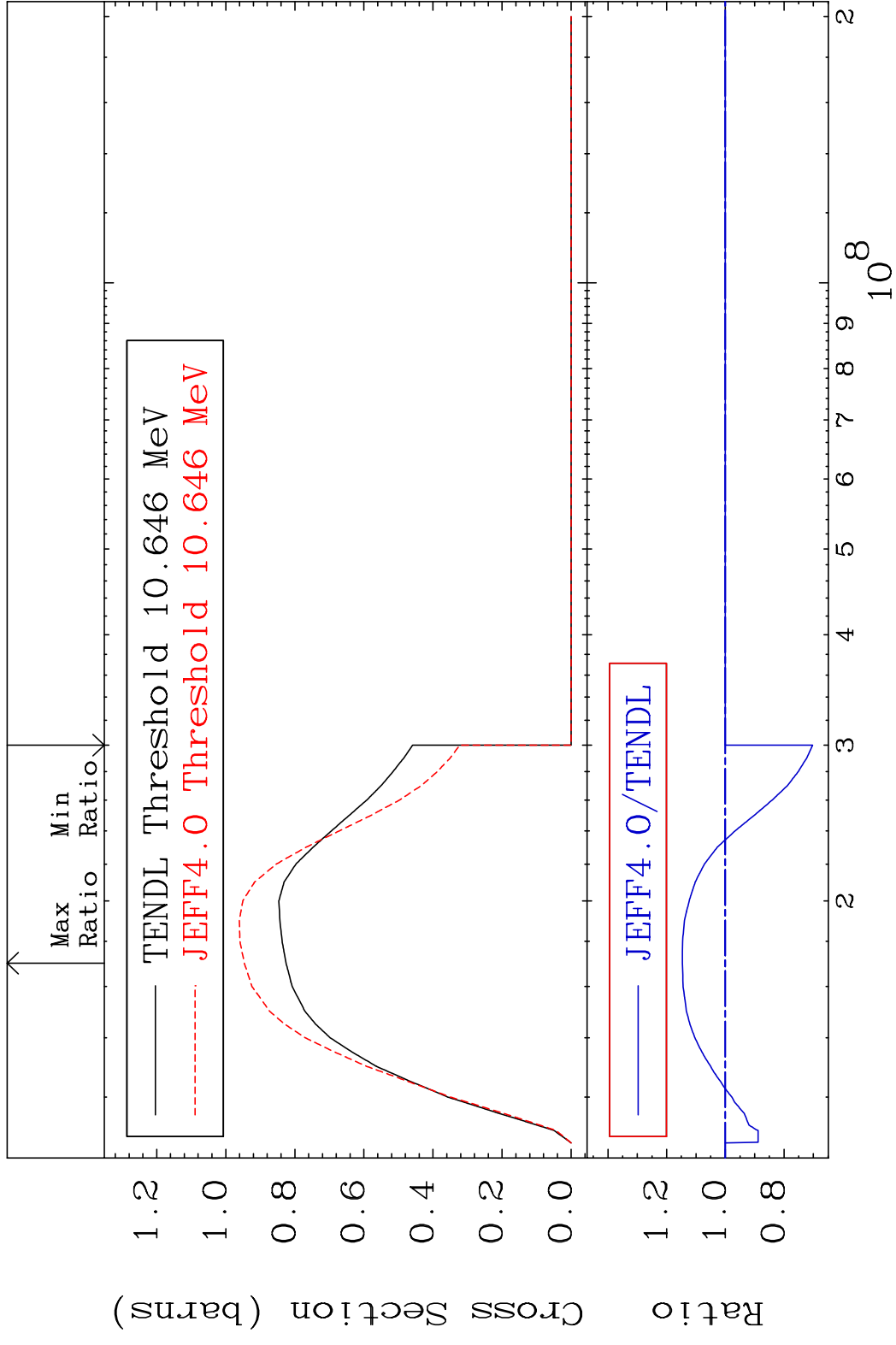


72 Incident Energy (eV) 36-Kr-84

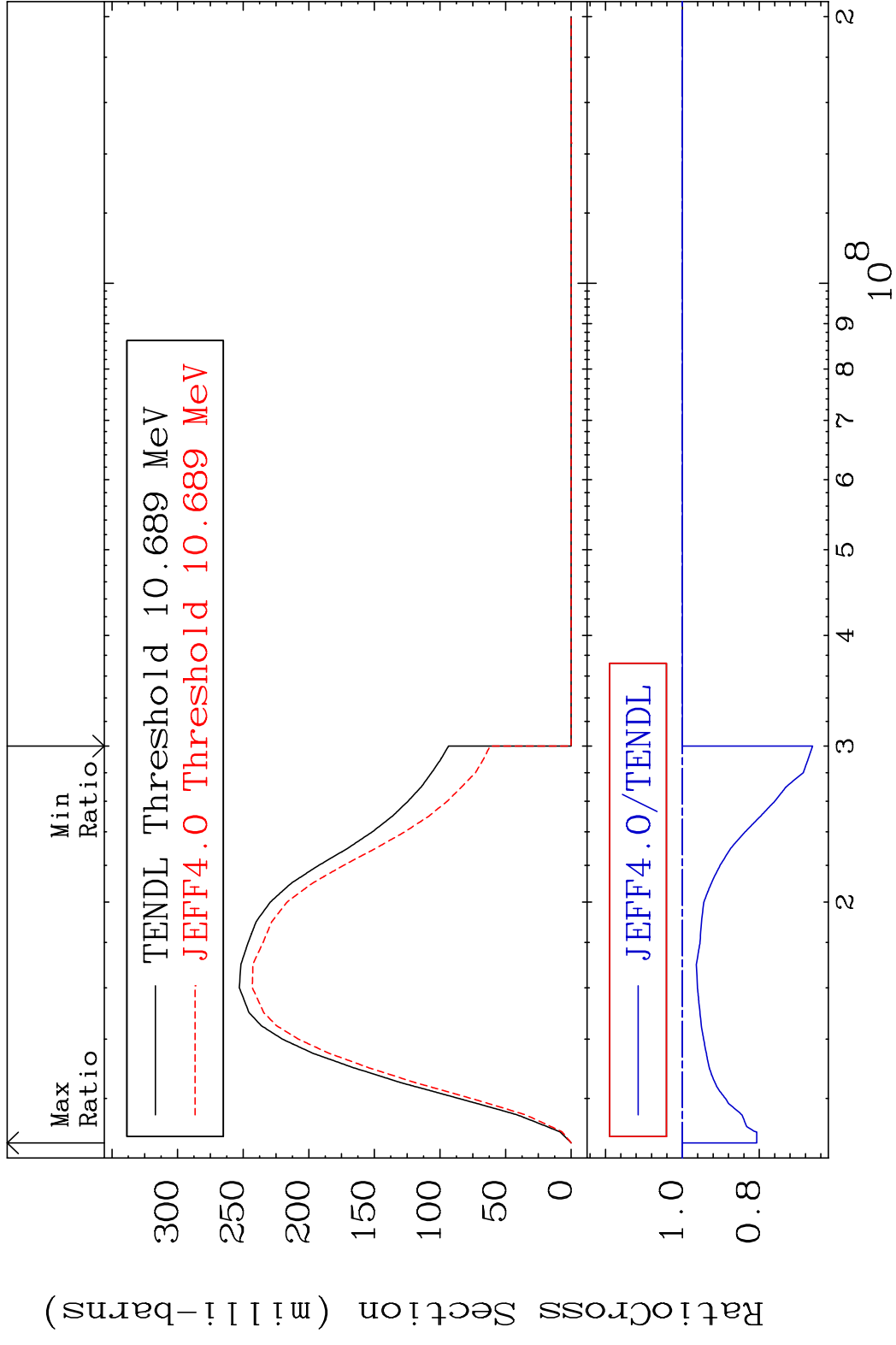
MAT 3643 Dpa disappearance (mt102 -120) 36-Kr-84
Cross Section -100.0 To 9999. %



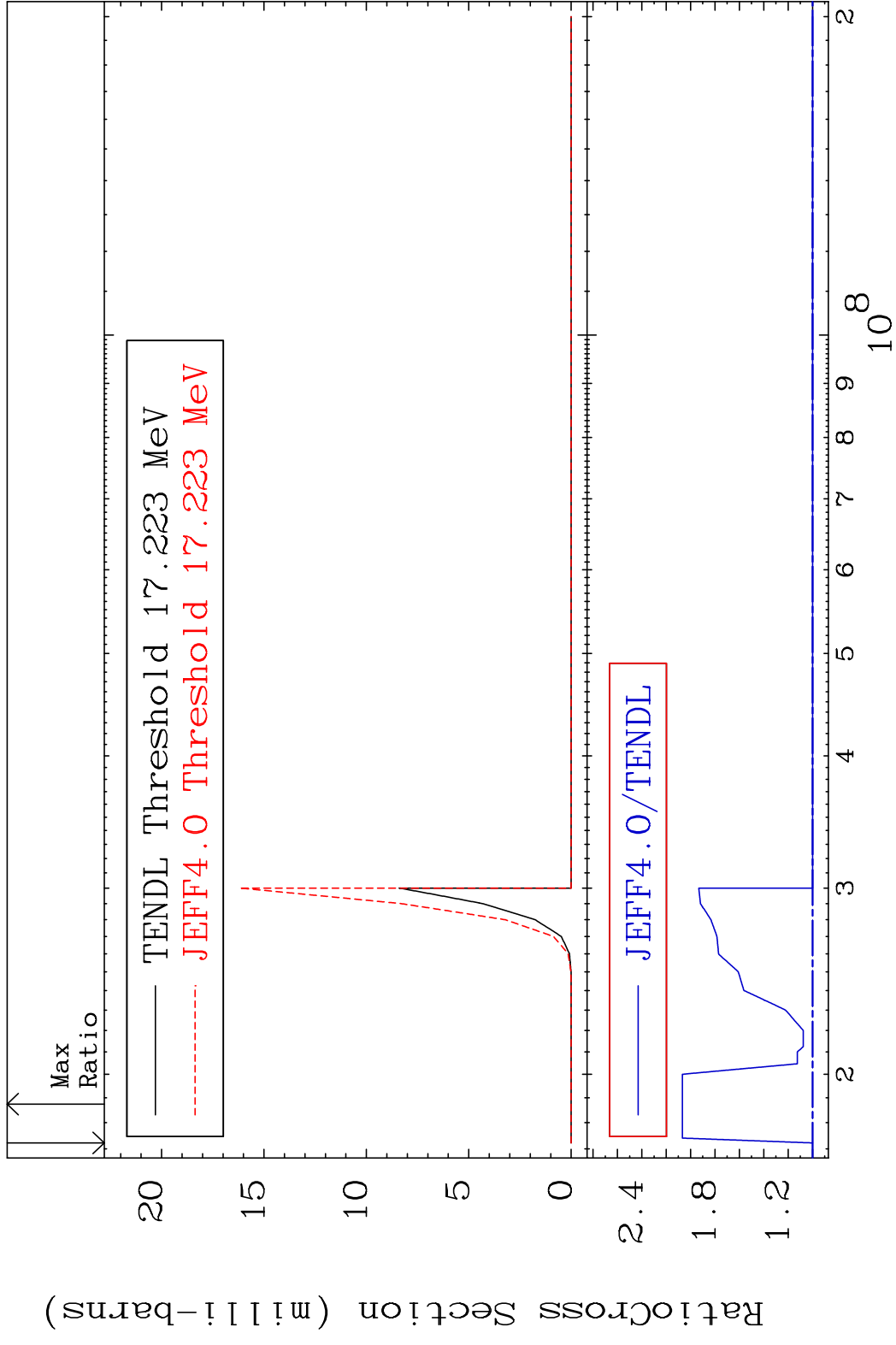
MAT 3643 (n,2n):36-Kr-83g 36-Kr-84
 Radionuclide Production Cross Section 14.65 %



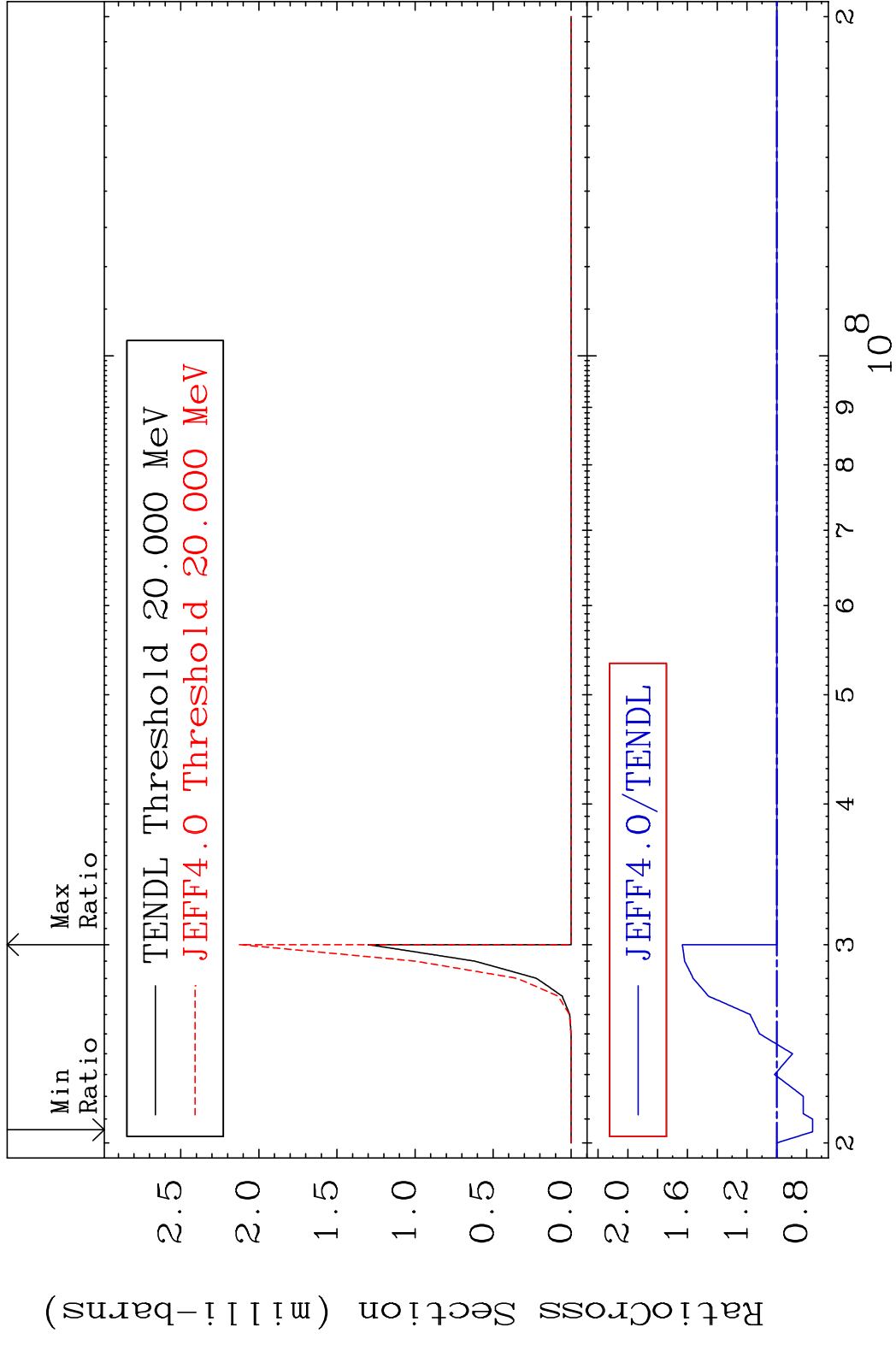
MAT 3643 (n,2n):36-Kr-83m2 36-Kr-84
 Radionuclide Production Cross Section 0.000 %



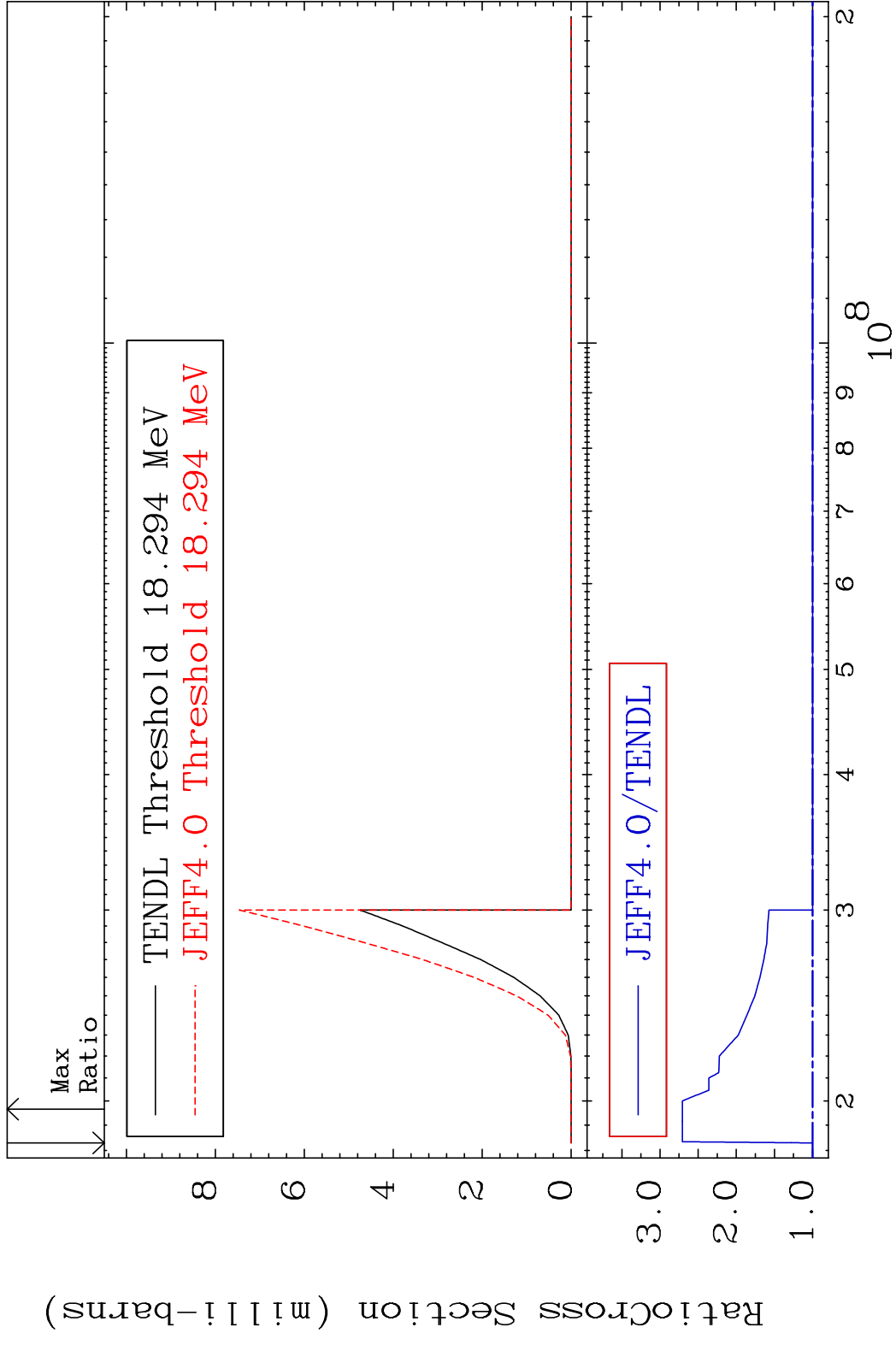
MAT 3643 (n,2n) α :34-Se-79g 36-Kr-84
 Radionuclide Production Cross Section 106.8 %



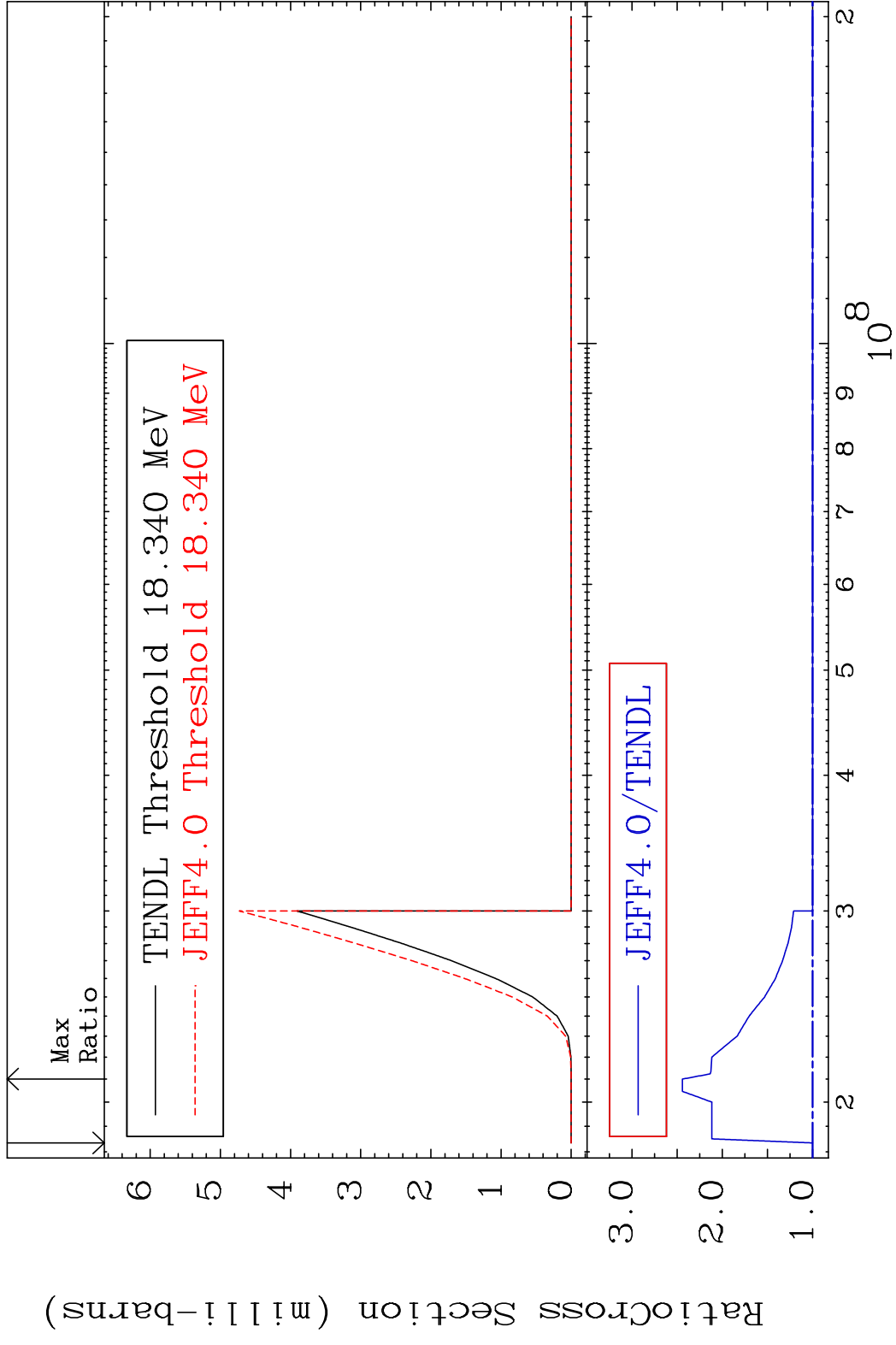
MAT 3643 (n,2n) α :34-Se-79m1 36-Kr-84
 Radionuclide Production Cross Section to 63.37 %



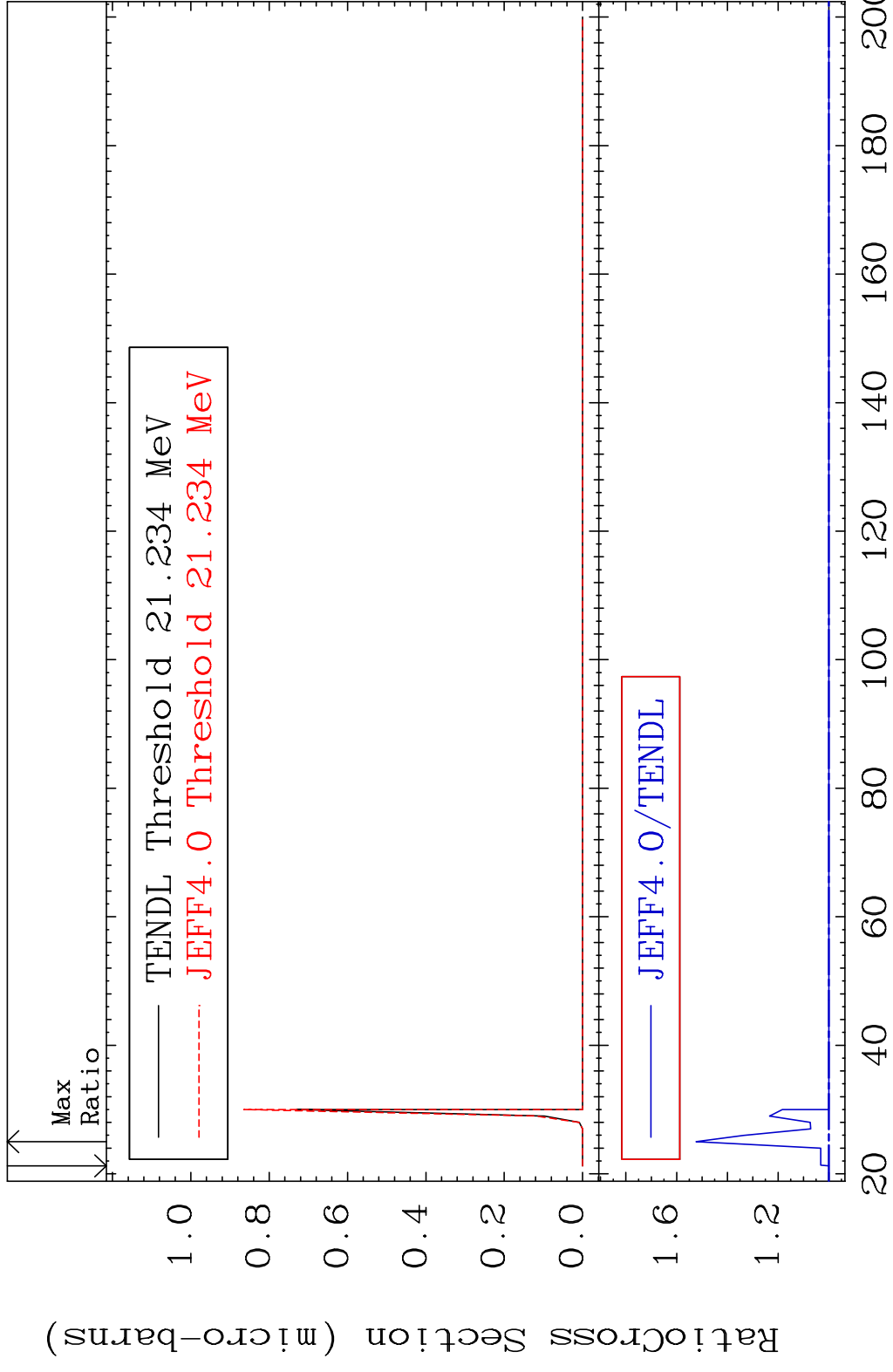
MAT 3643 (n, n') d:35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section 170.7 %



MAT 3643 (n, n') d:35-Br-82m1 36-Kr-84
 Radionuclide Production Cross Section 144.2 %

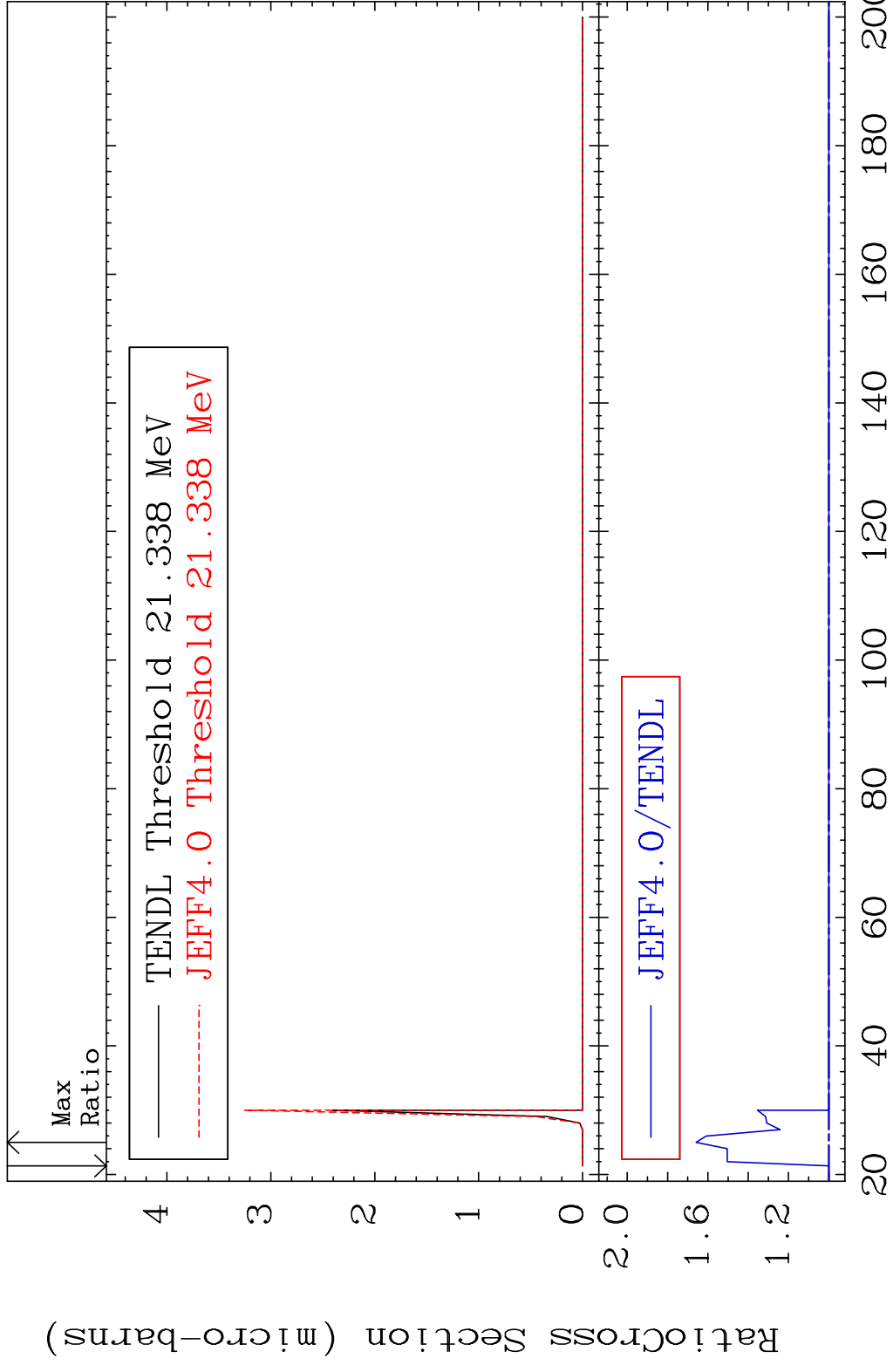


MAT 3643 (n, n') He-3:34-Se-81g 36-Kr-84
 Radionuclide Production Cross Section 52.36 %

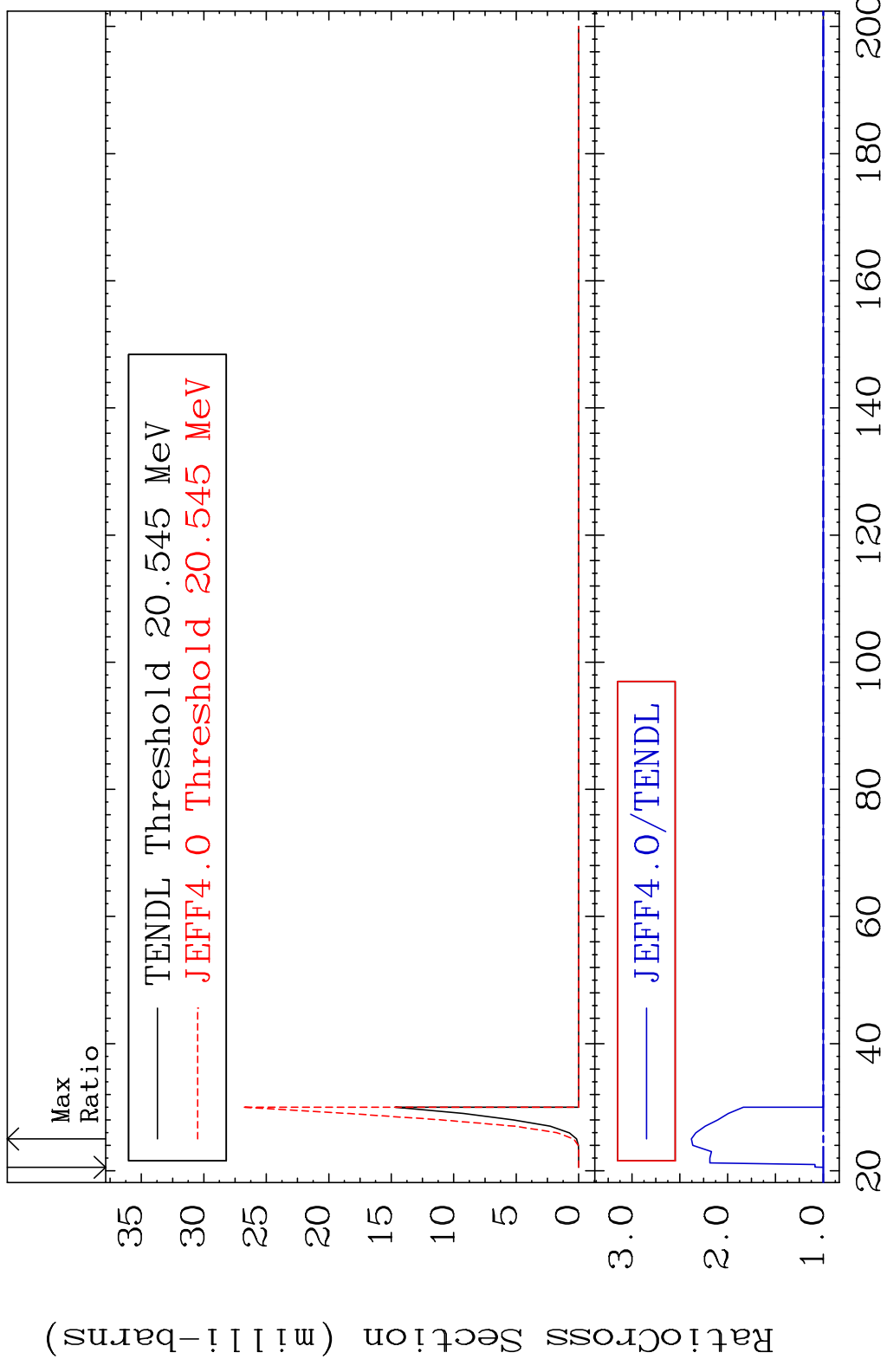


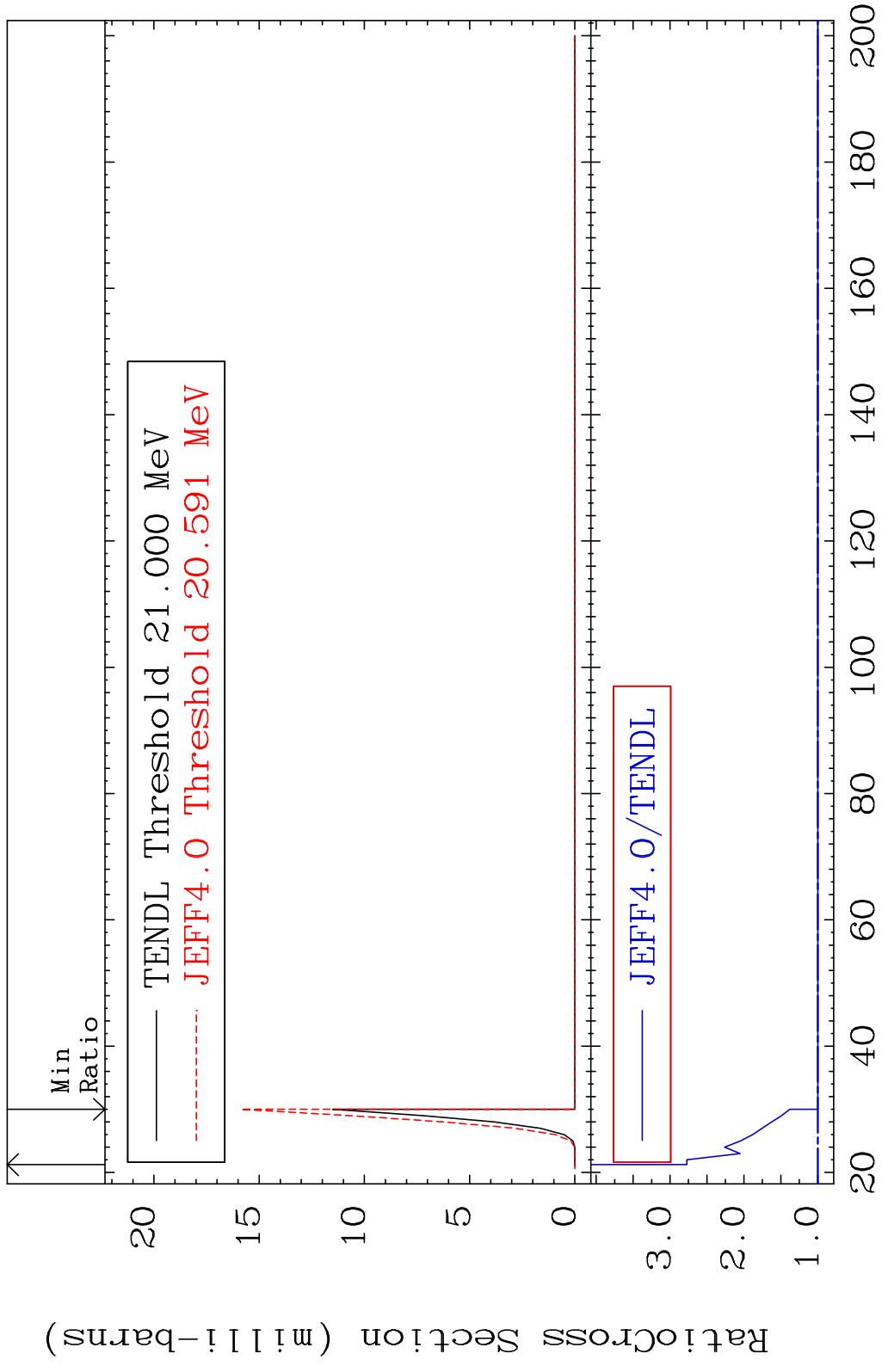
80 Incident Energy (MeV) 36-Kr-84

MAT 3643 (n, n') He-3:34-Se-81m1 36-Kr-84
 Radionuclide Production Cross Section 65.89 %

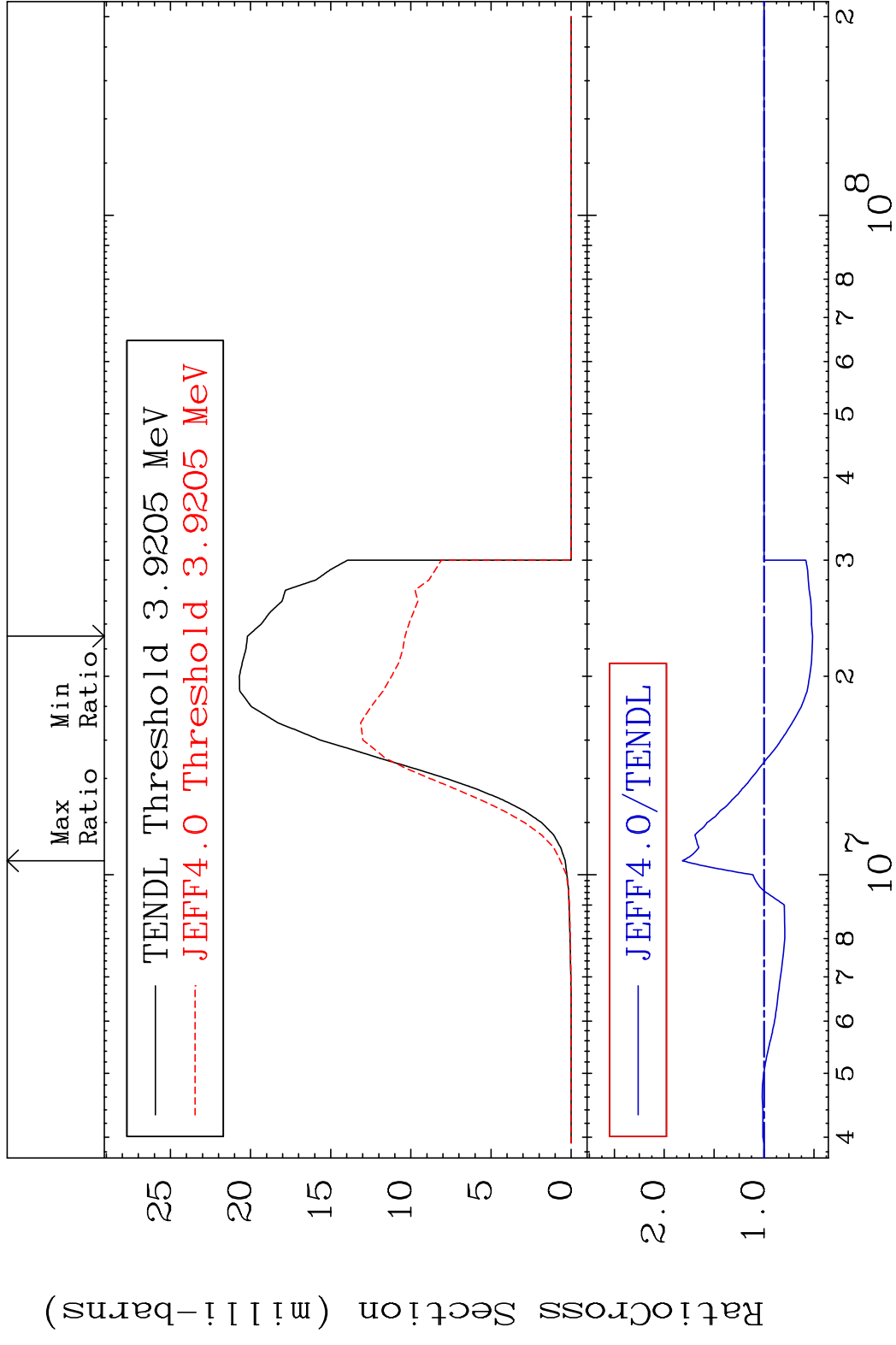


MAT 3643 (n,2n) p:35-Br-82g 36-Kr-84
 Radionuclide Production Cross Section 137.9 %

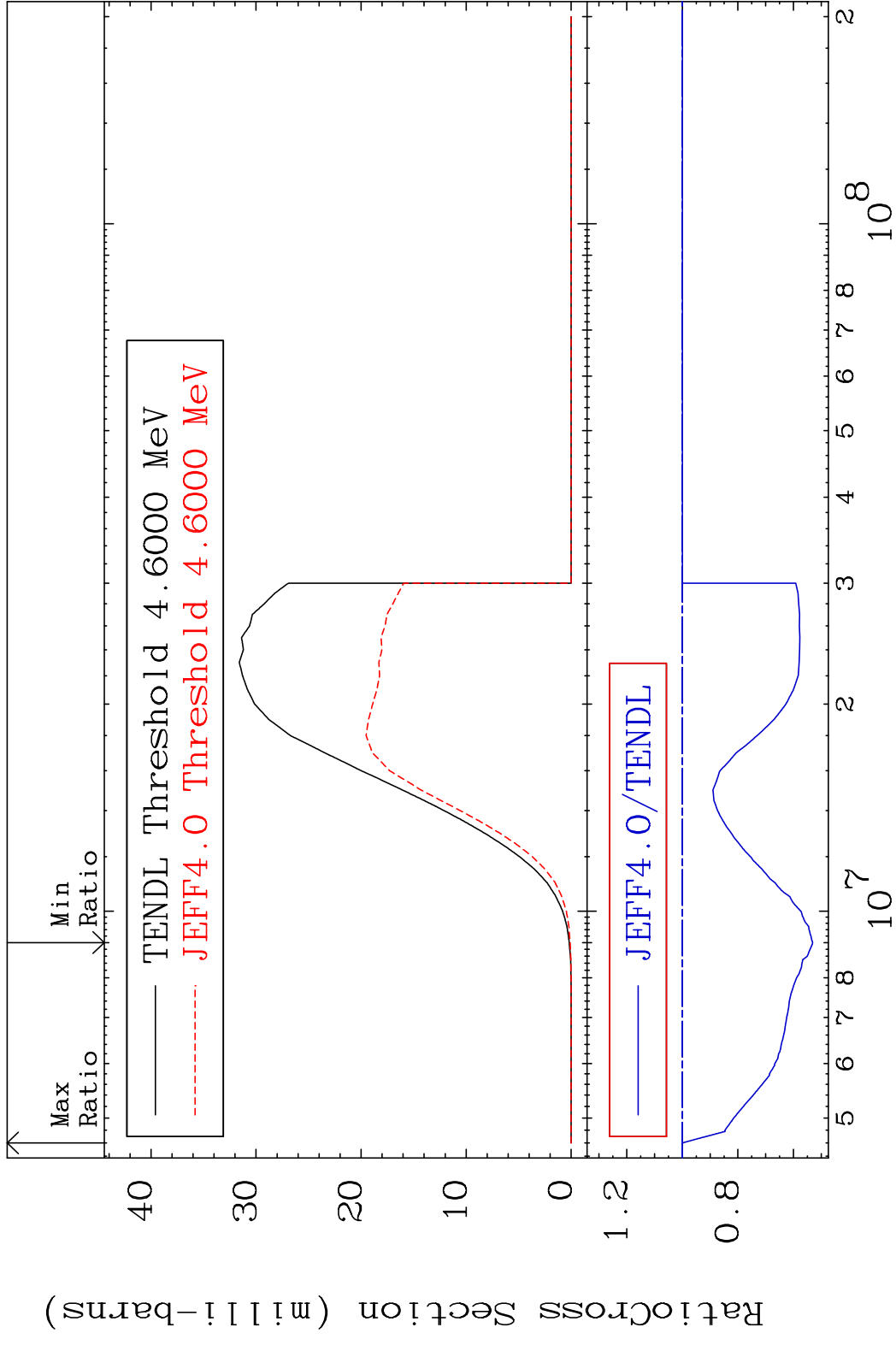


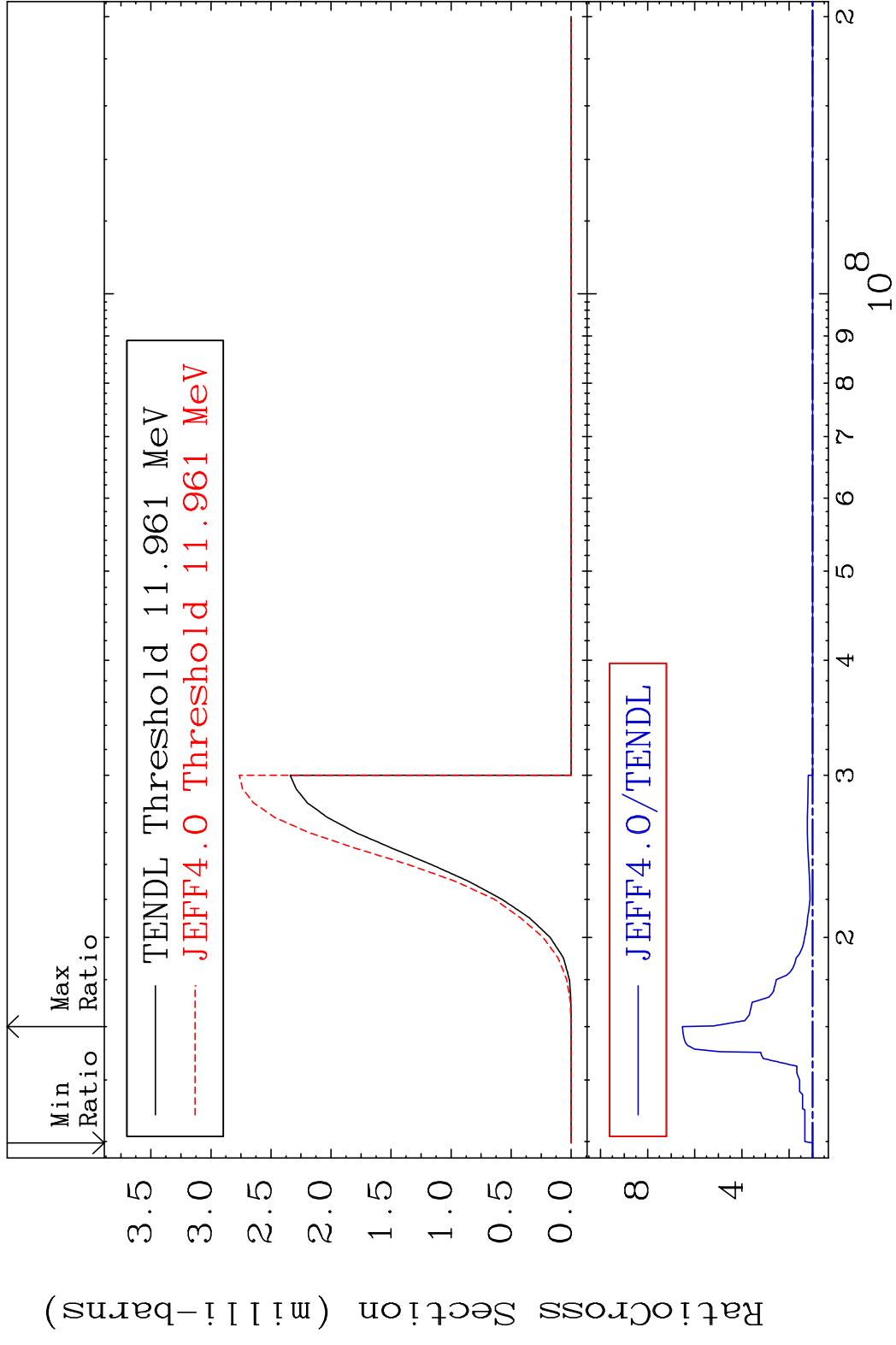


MAT 3643 (n, p): 35-Br-84g 36-Kr-84
 Radionuclide Production Cross Section 81.86 %

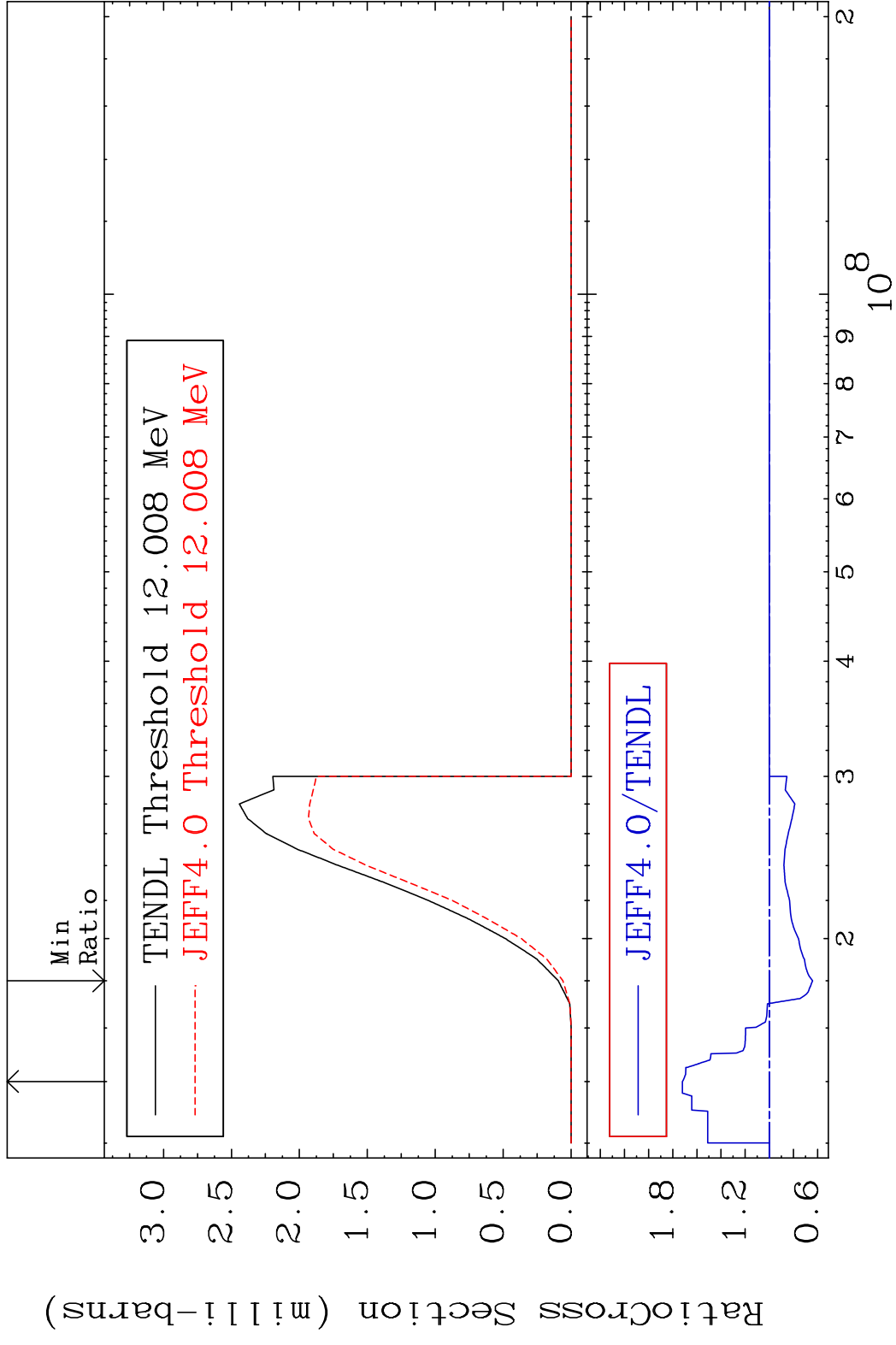


MAT 3643 (n,p):35-Br-84m1 36-Kr-84
 Radionuclide Production Cross Section 0.000 %

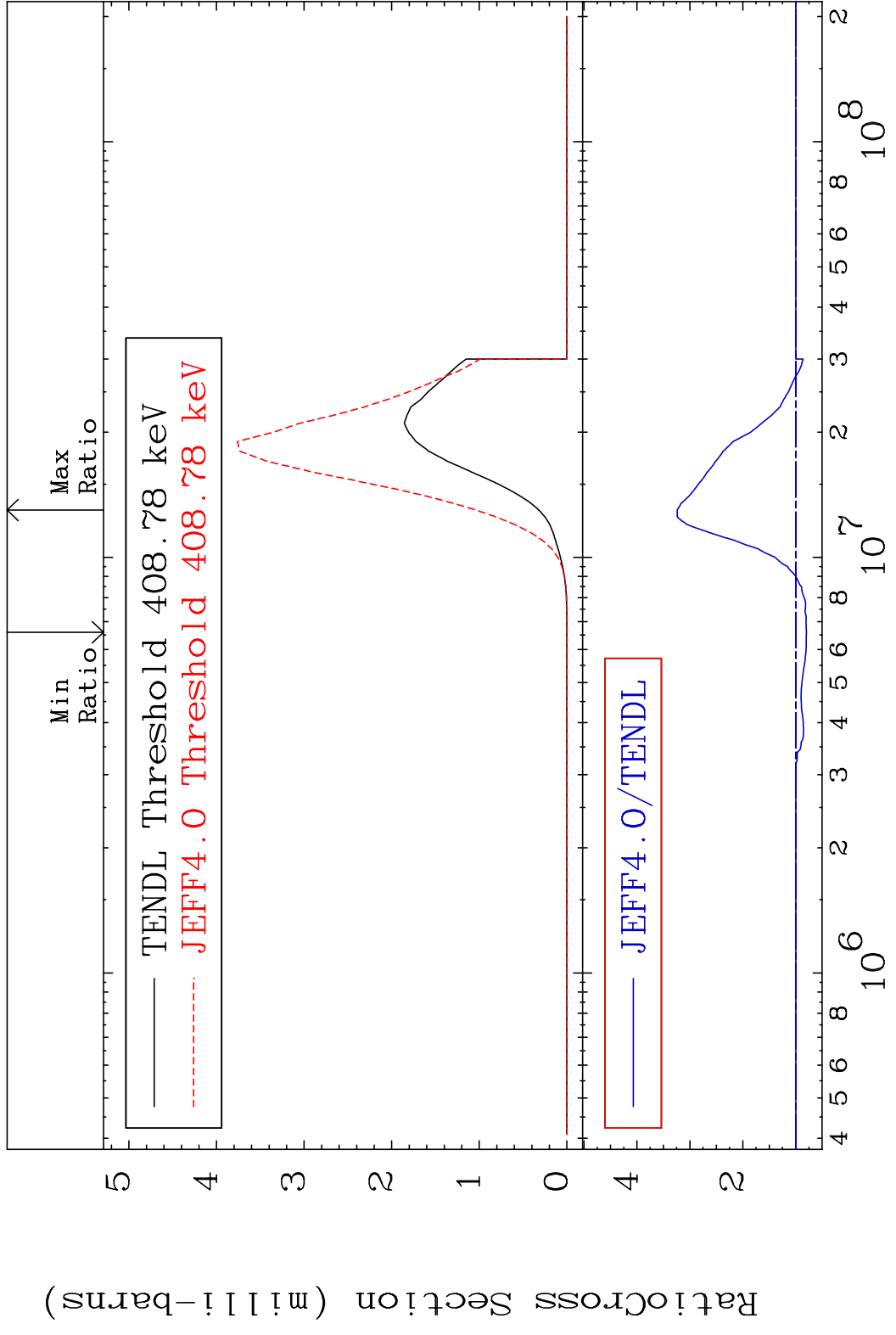


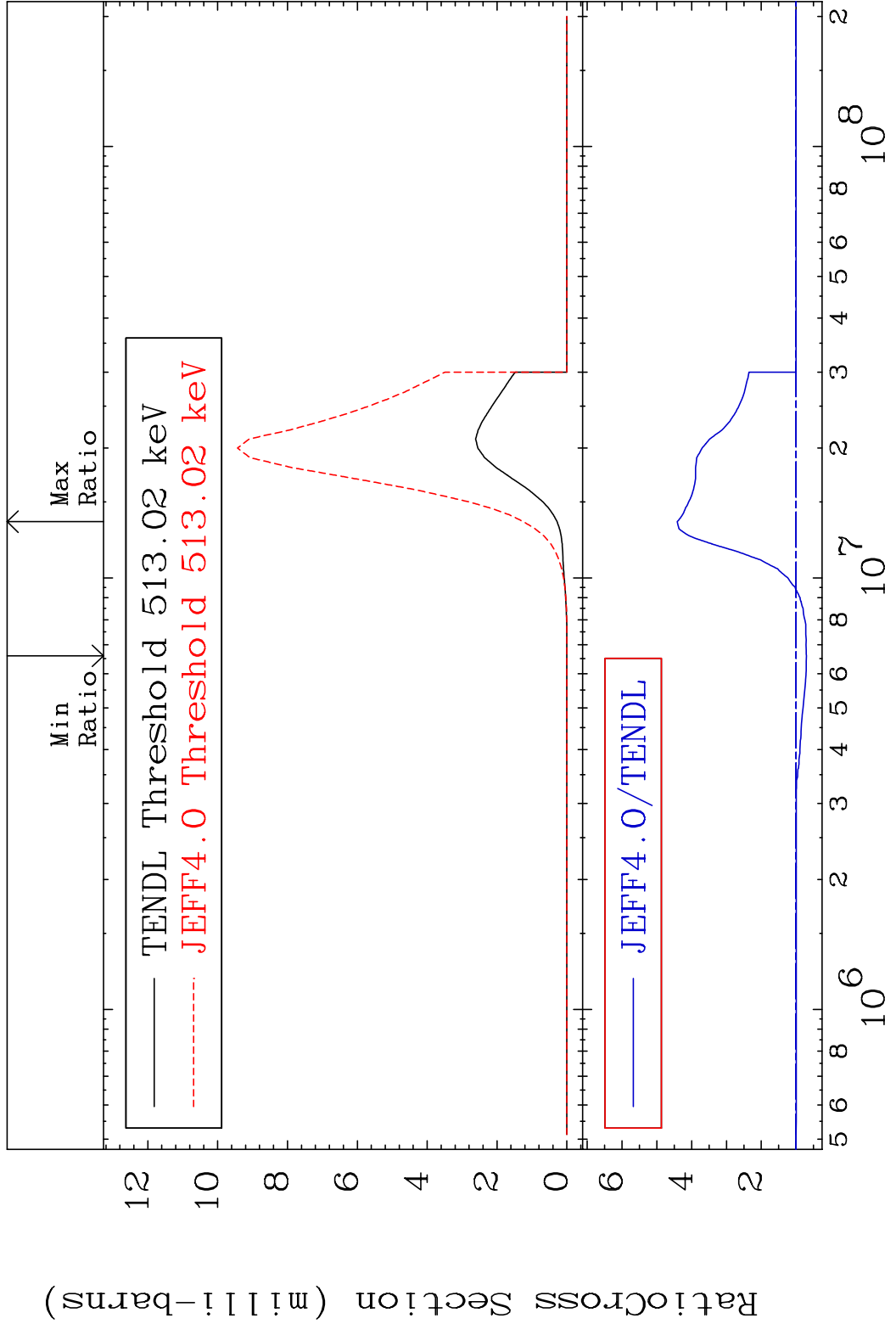


MAT 3643 (n, t):35-Br-82m1 36-Kr-84
 Radionuclide Production Cross Section 72.04 %

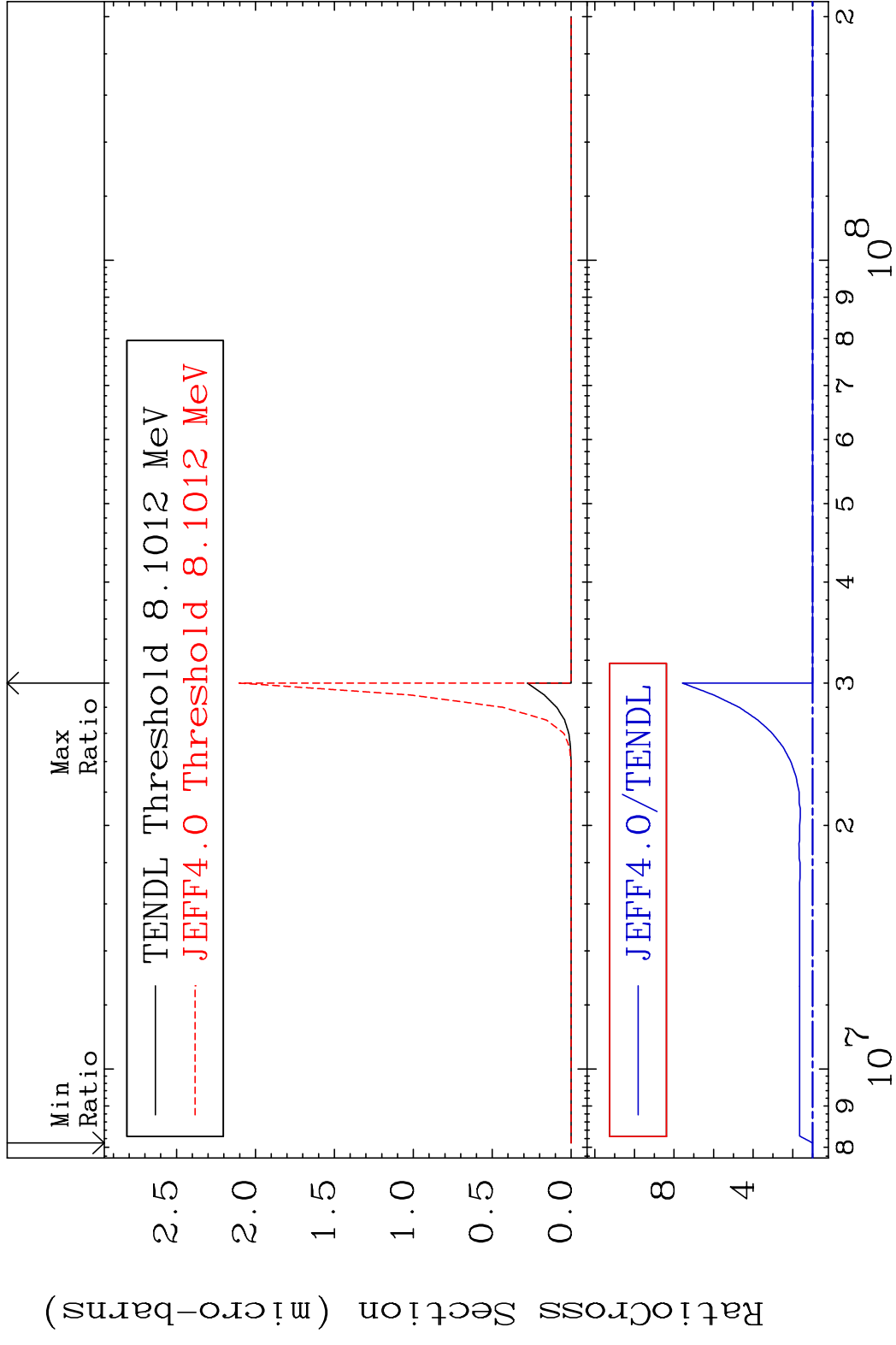


MAT 3643 (n, α):34-Se-81g 36-Kr-84
 Radionuclide Production Cross Section 224.0 %

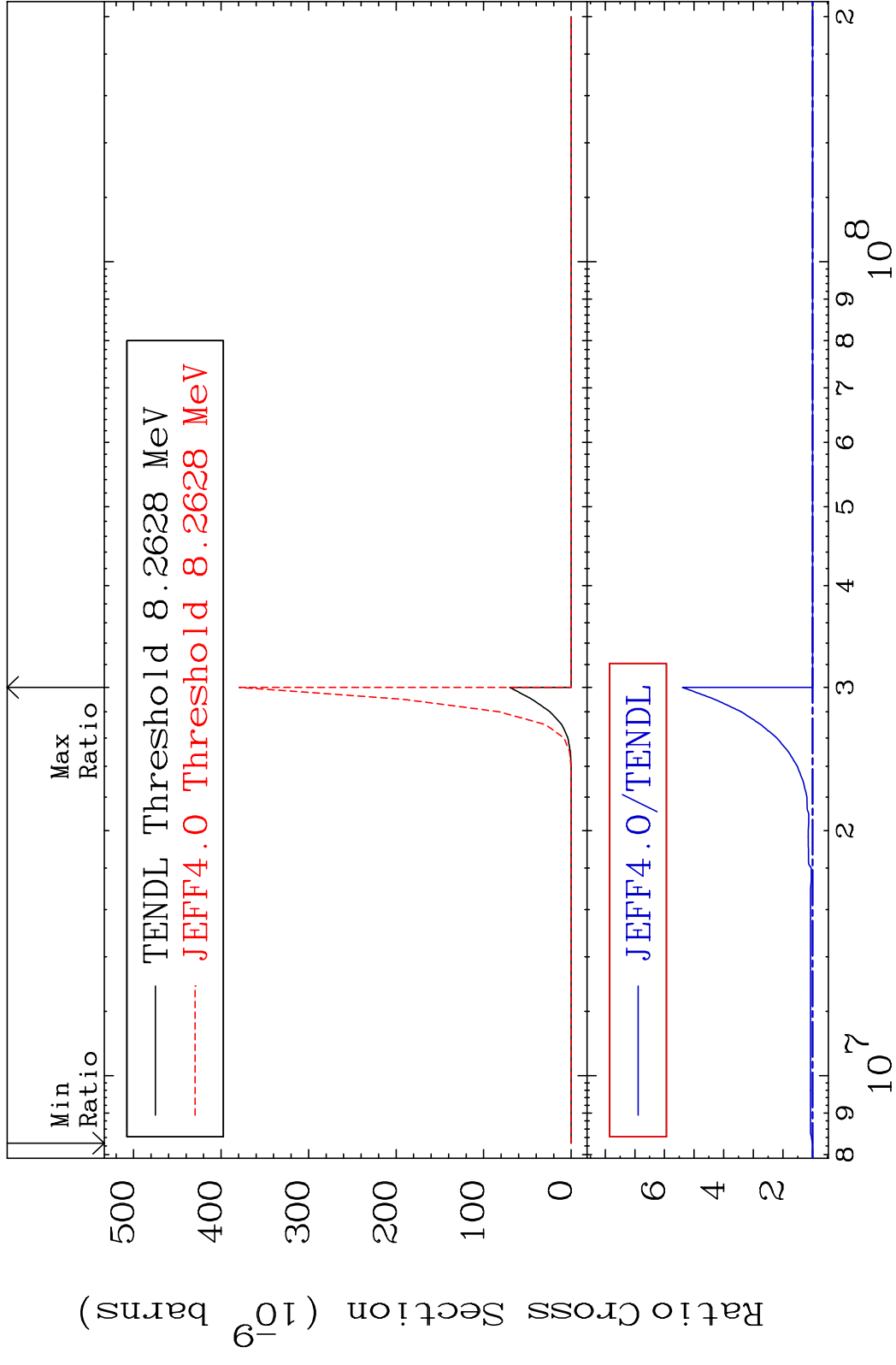




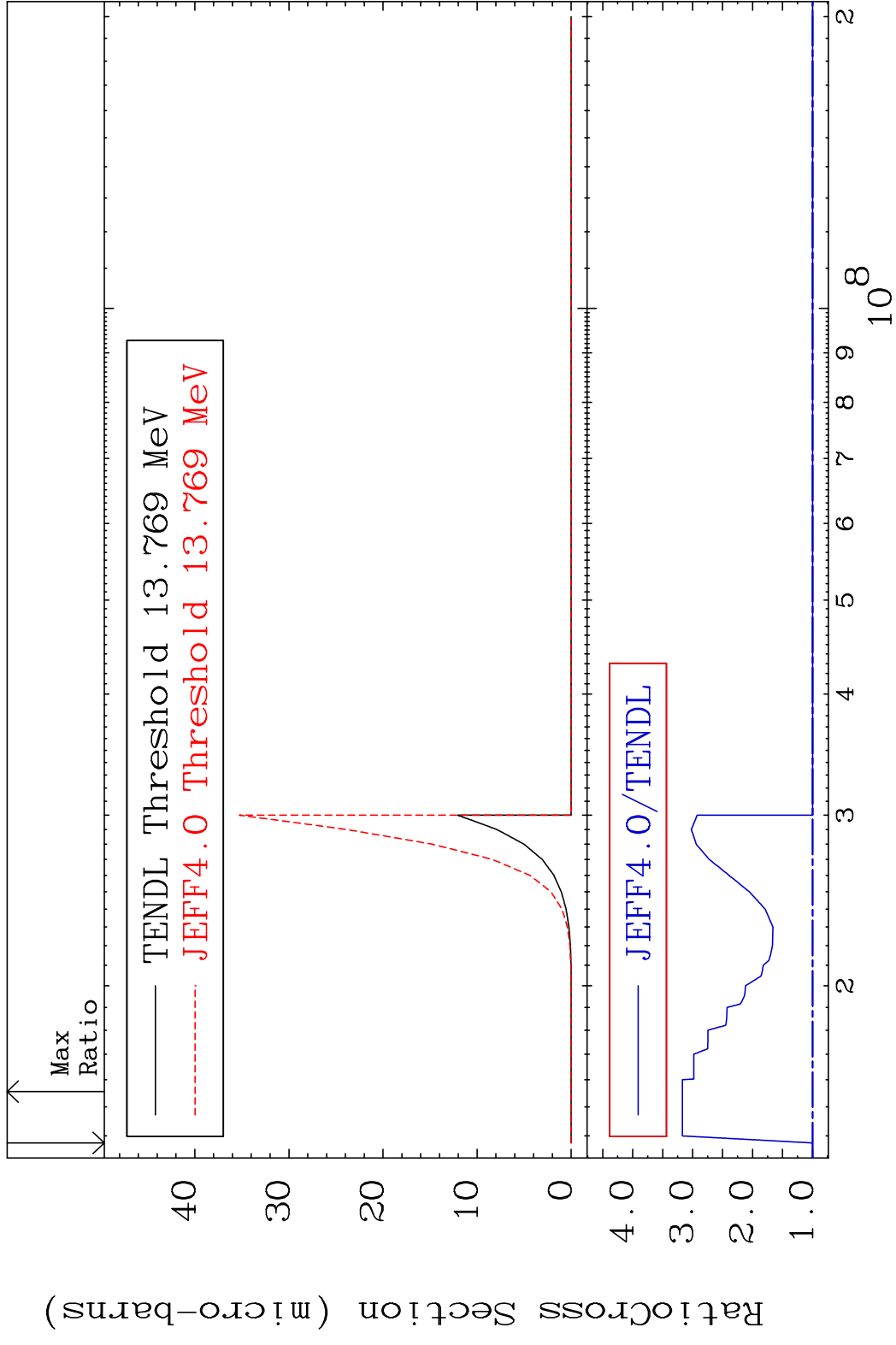
MAT 3643 (n,2α):32-Ge-77g 36-Kr-84
 Radionuclide Production Cross Section 658.0 %



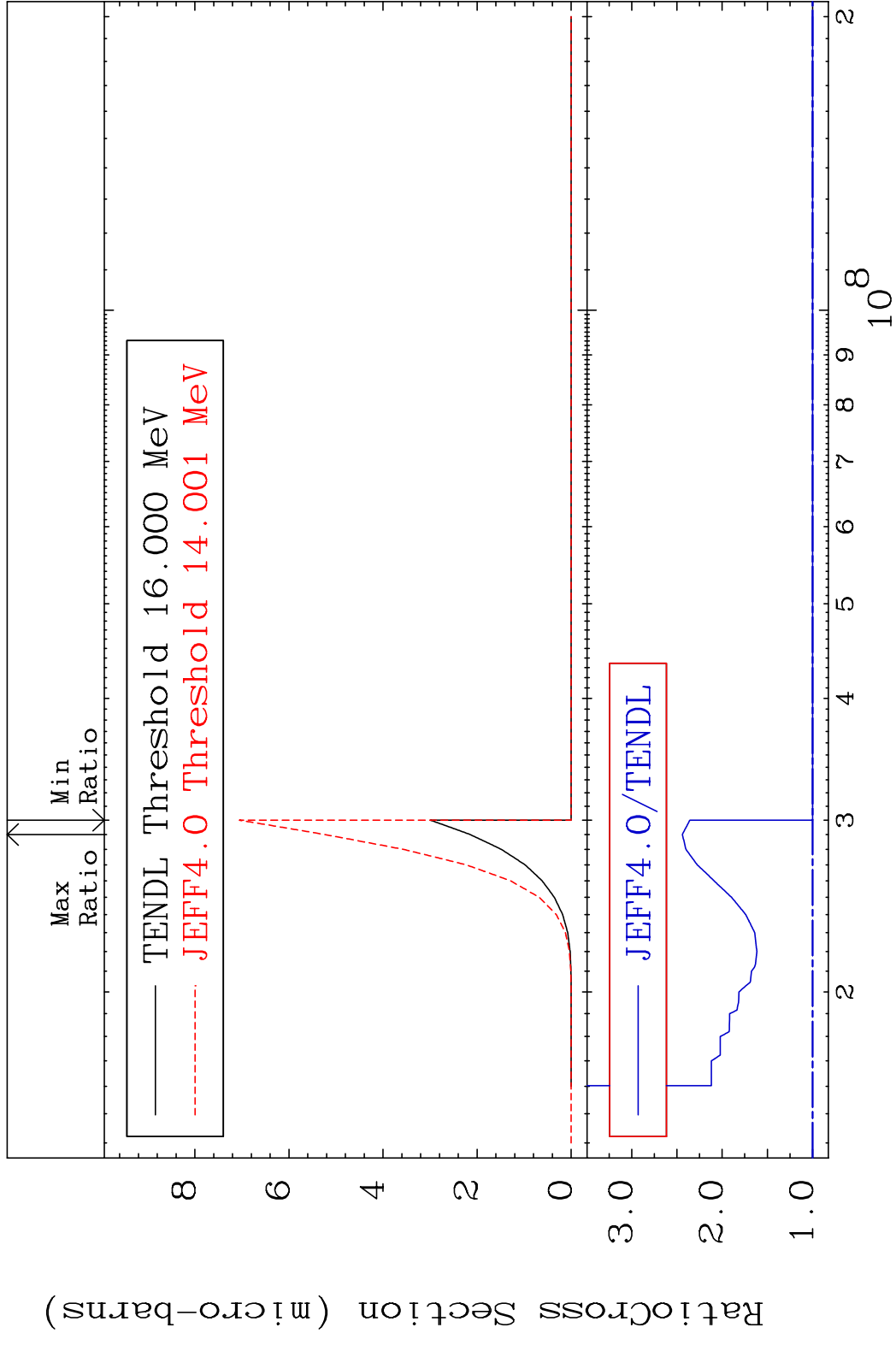
MAT 3643 (n,2α):32-Ge-77m1 36-Kr-84
 Radionuclide Production Cross Section 439.6 %



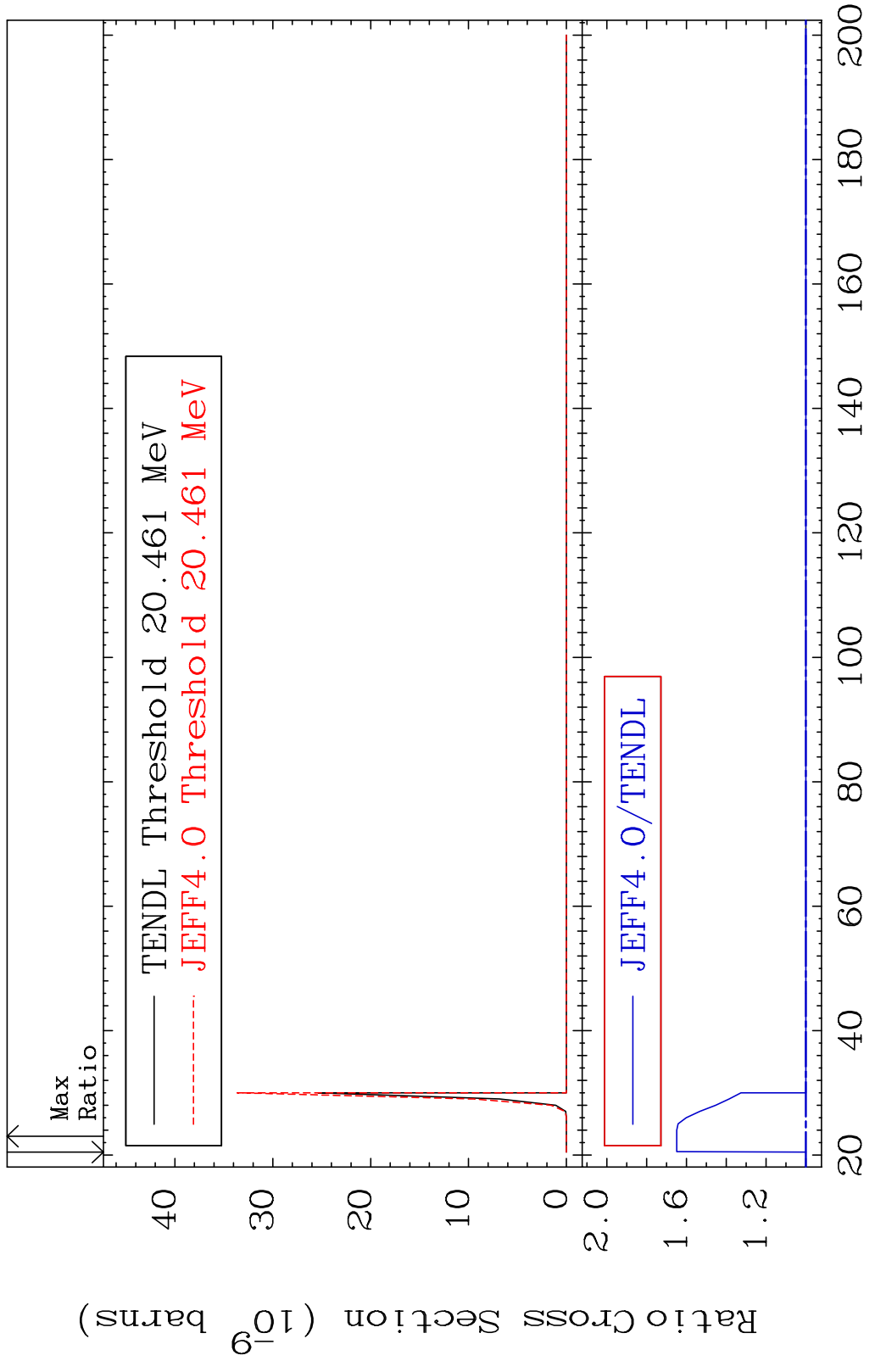
MAT 3643 (n,2p):34-Se-83g 36-Kr-84
 Radionuclide Production Cross Section 217.2 %



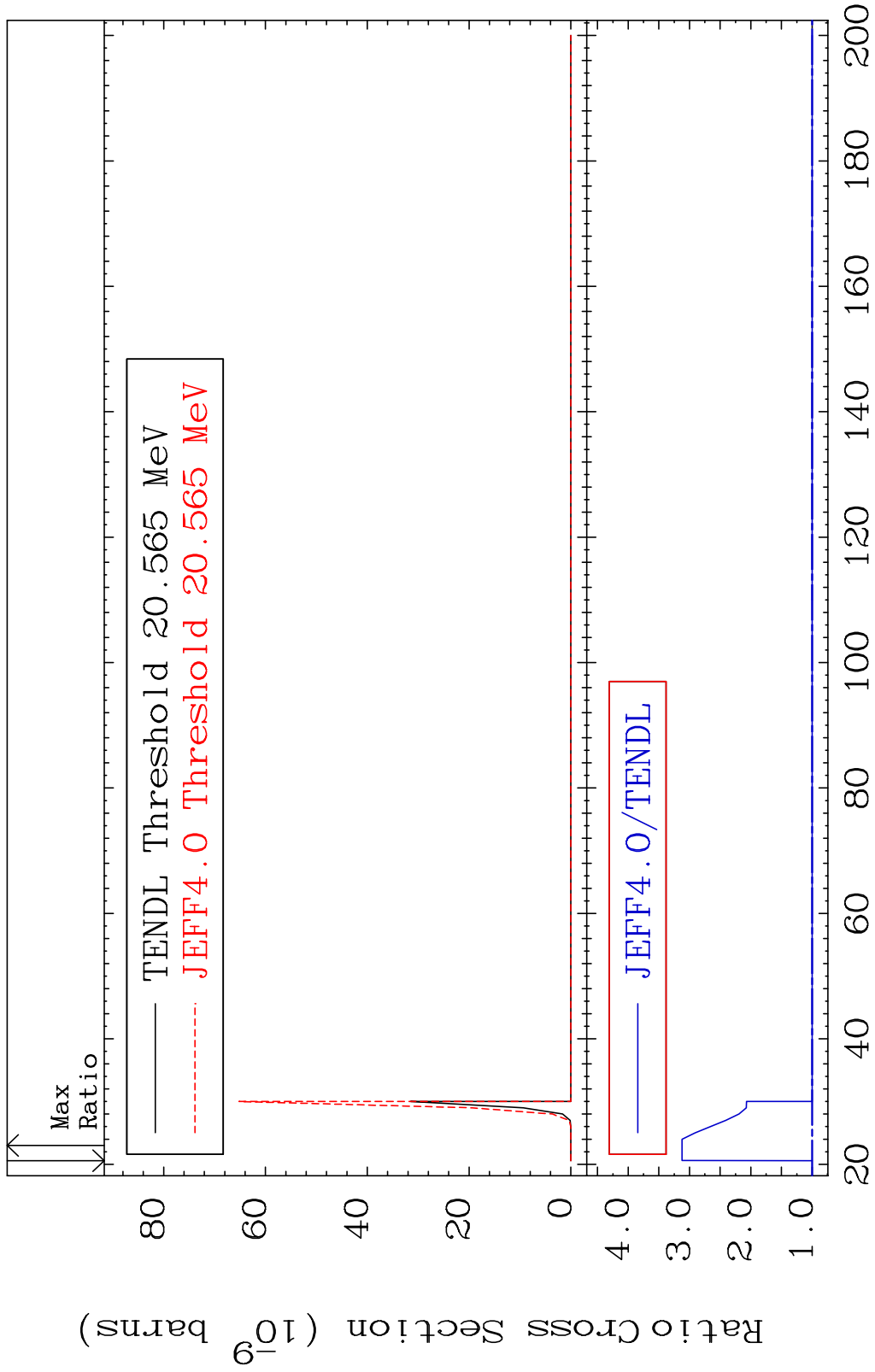
MAT 3643 (n,2p):34-Se-83m1 36-Kr-84
 Radionuclide Production Cross Section 144.0 %



MAT 3643 (n, p) t:34-Se-81g 36-Kr-84
 Radionuclide Production Cross Section 64.93 %



MAT 3643 (n,p) t:34-Se-81m1 36-Kr-84
 Radionuclide Production Cross Section 212.3 %



95 Incident Energy (MeV) 36-Kr-84