

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

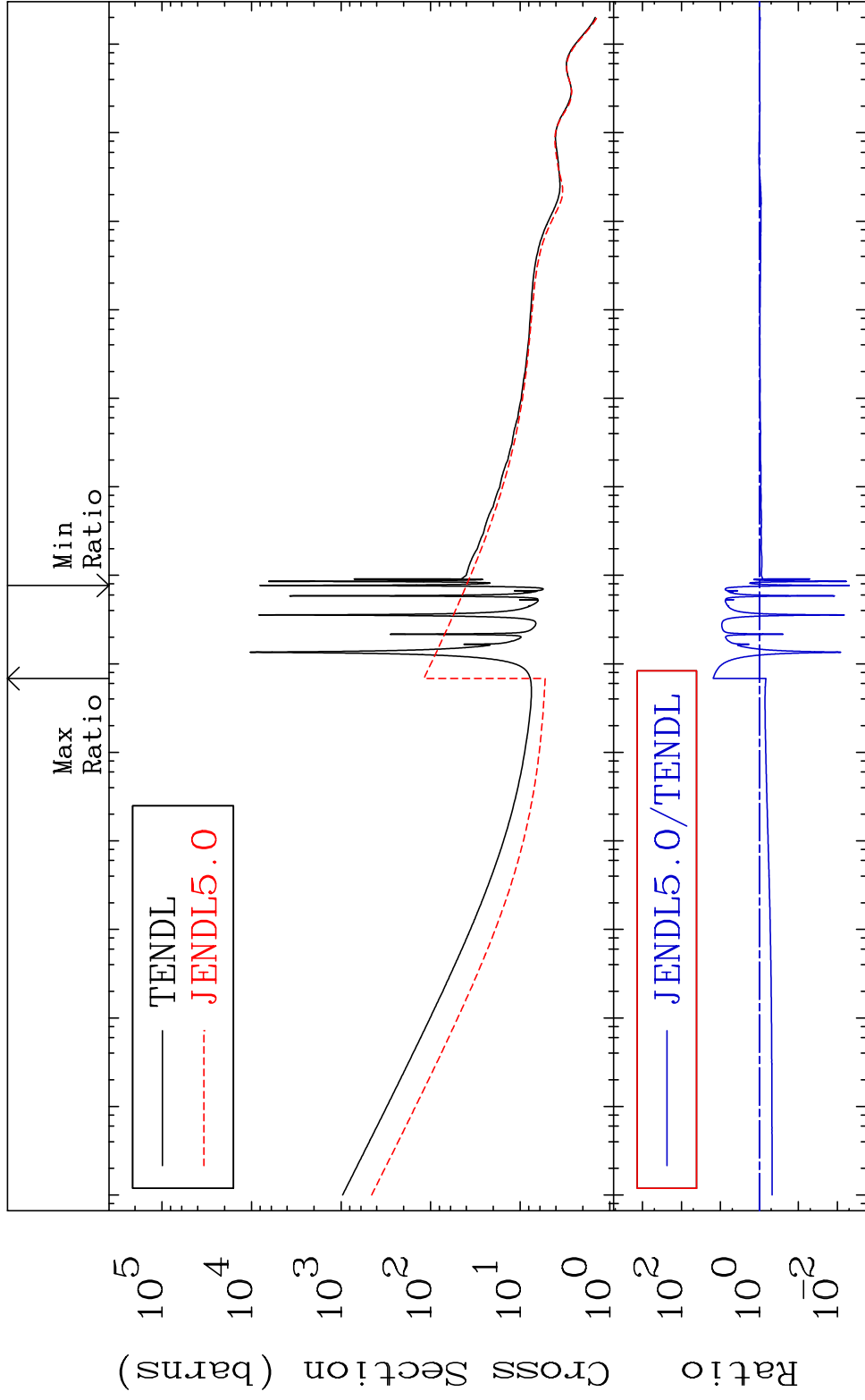
Press Mouse Button to Start

MAT 3634

Total

36-Kr-81

Cross Section -99.50 To 1438. %



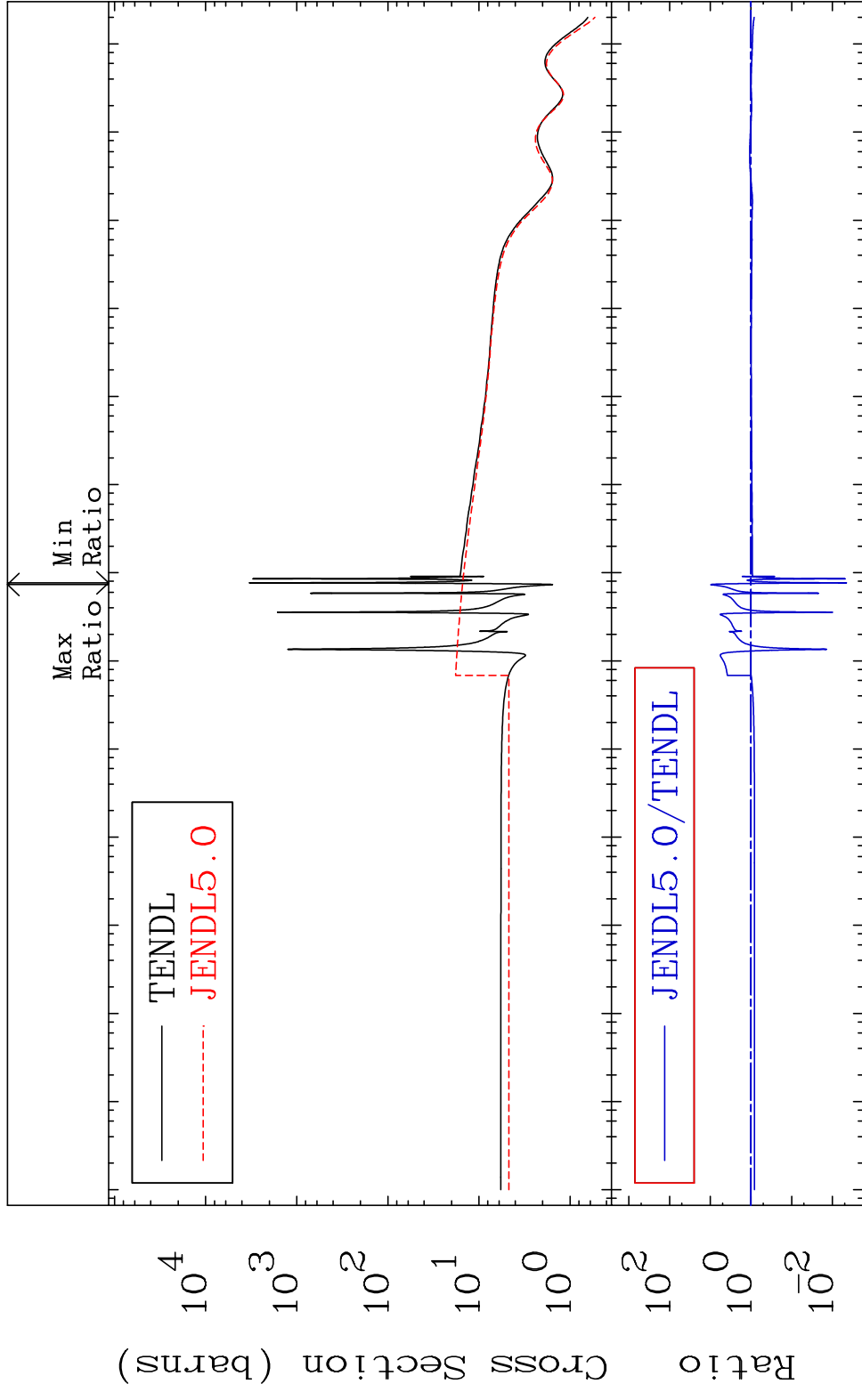
Ratio
Cross Section (barns)
Incident Energy (eV)

1

36-Kr-81

MAT 3634

Elastic Cross Section -99.55 To 876.2 %
36-Kr-81



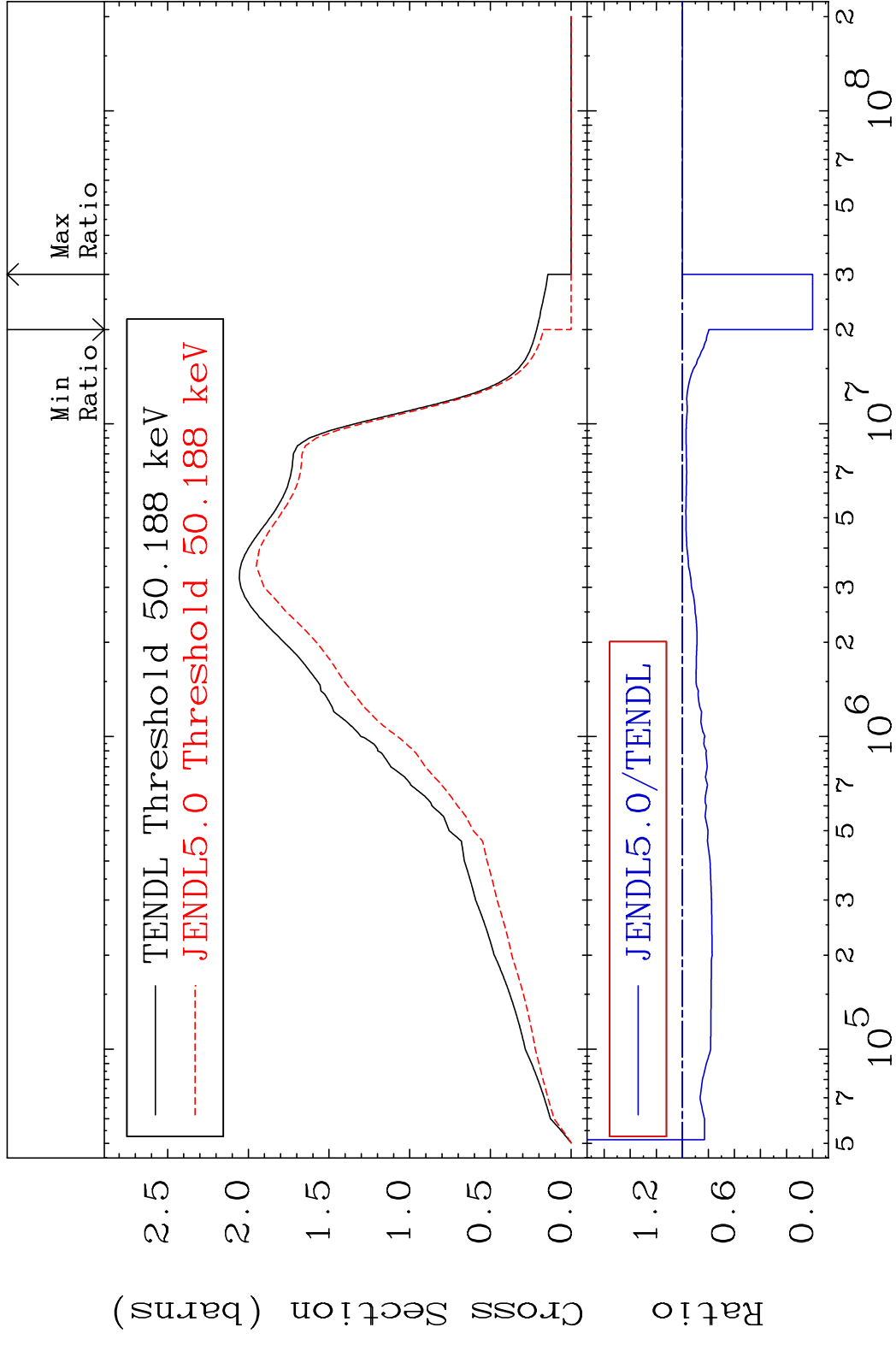
Ratio
Cross Section (barns)
10⁴
10³
10²
10¹
10⁰
10⁻²
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

36-Kr-81

MAT 3634 Inelastic Cross Section 36-Kr-81
 Cross Section -100.0 To 0.000 %

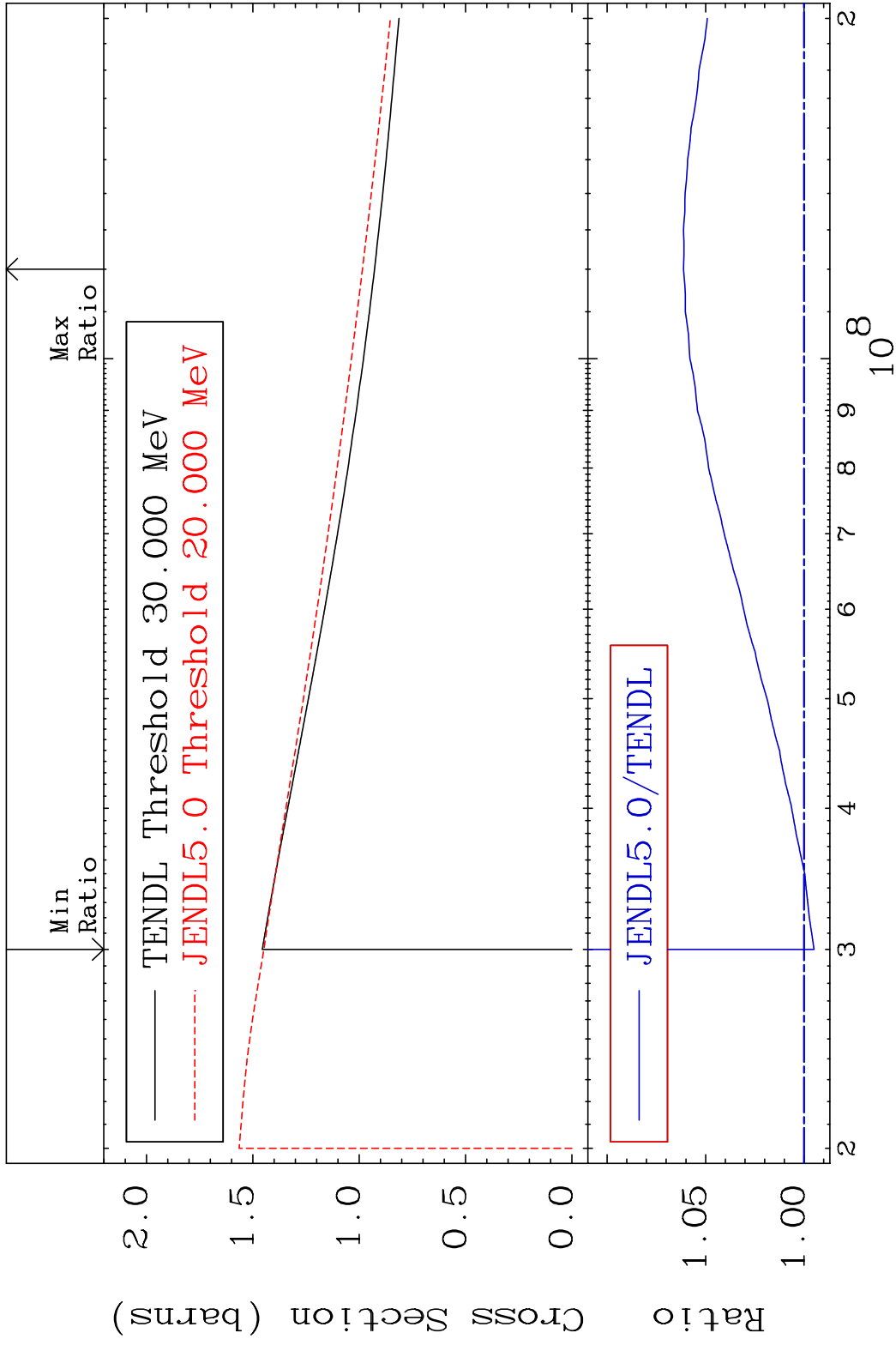


MAT 3634

(n, remainder)

36-Kr-81

Cross Section -0.507 To 6.124 %

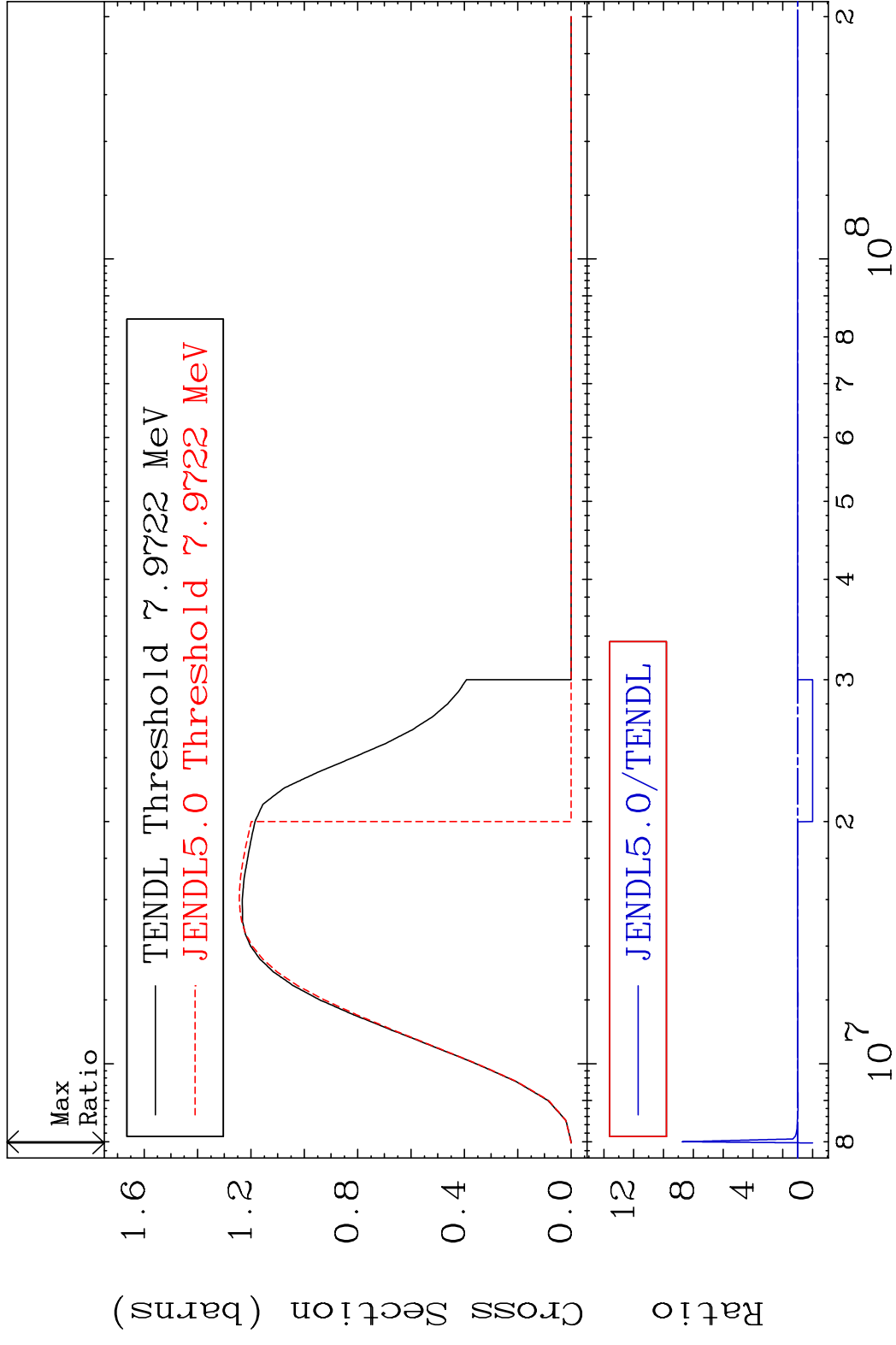


4

Incident Energy (eV)

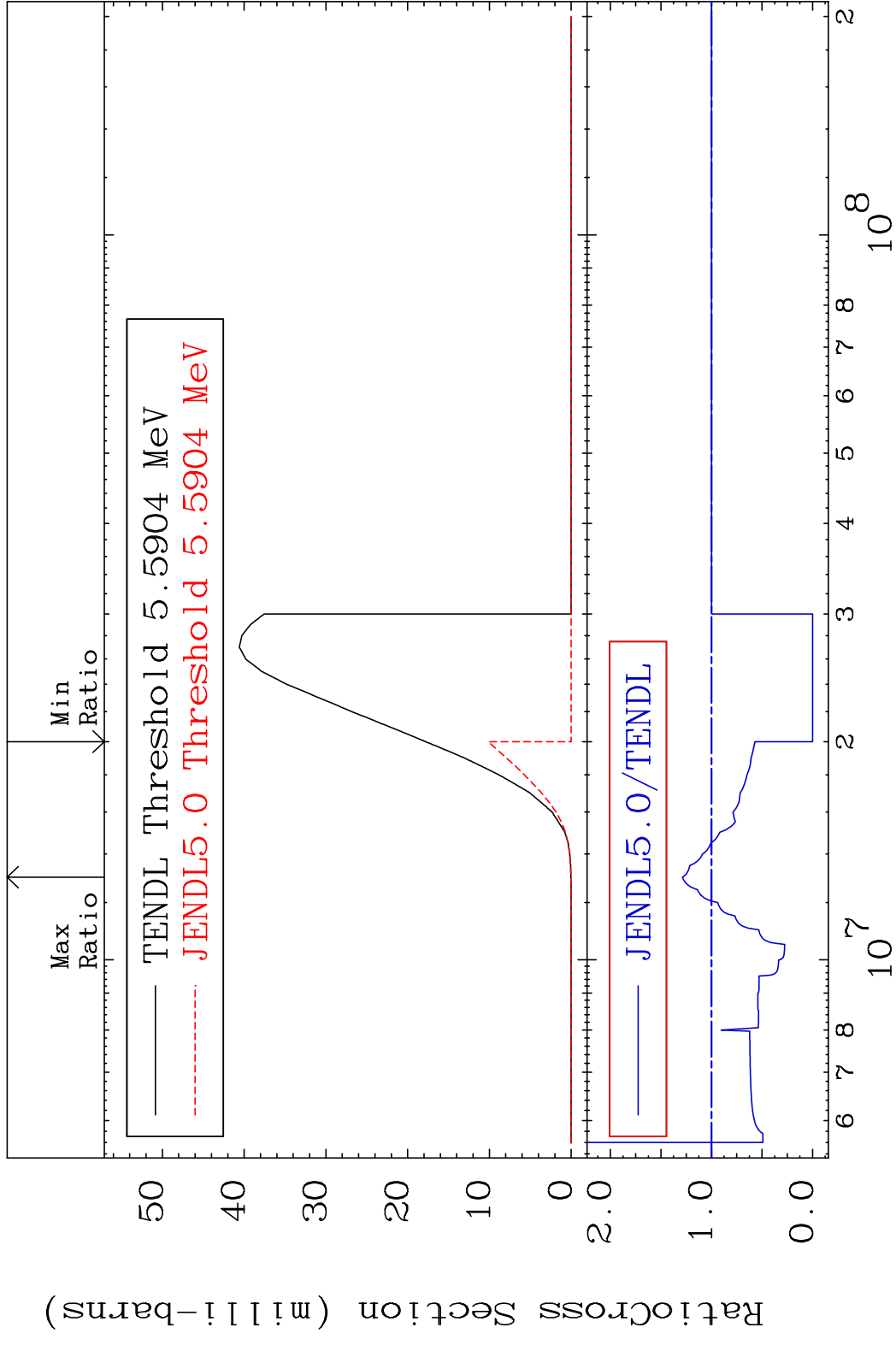
36-Kr-81

MAT 3634 (n,2n) 36-Kr-81
 Cross Section -100.0 To 773.4 %

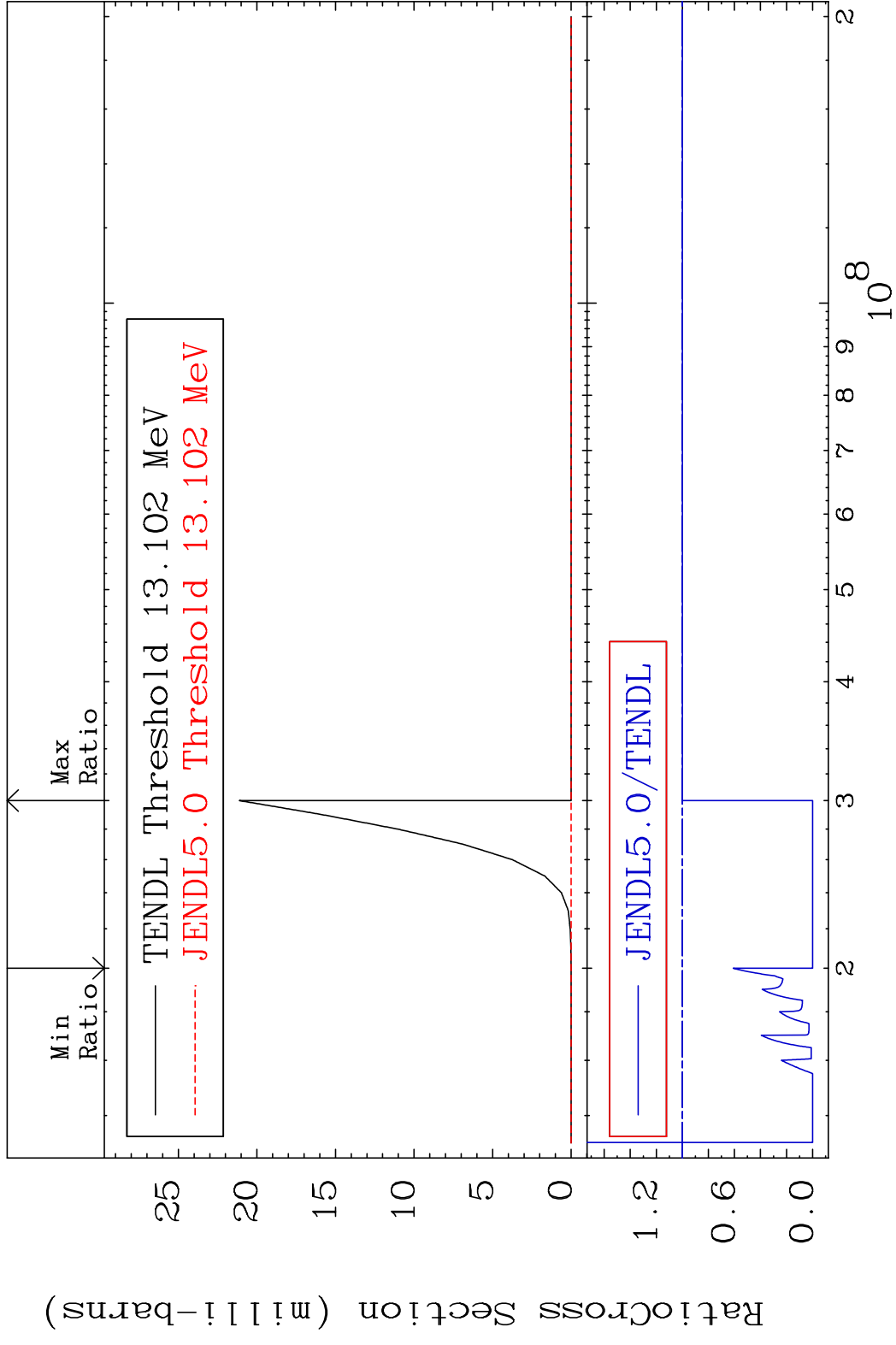


5 Incident Energy (eV) 36-Kr-81

MAT 3634 (n, n') α 36-Kr-81
 Cross Section -100.0 To 28.82 %



MAT 3634 (n,2n) α 36-Kr-81
 Cross Section -100.0 To 0.000 %

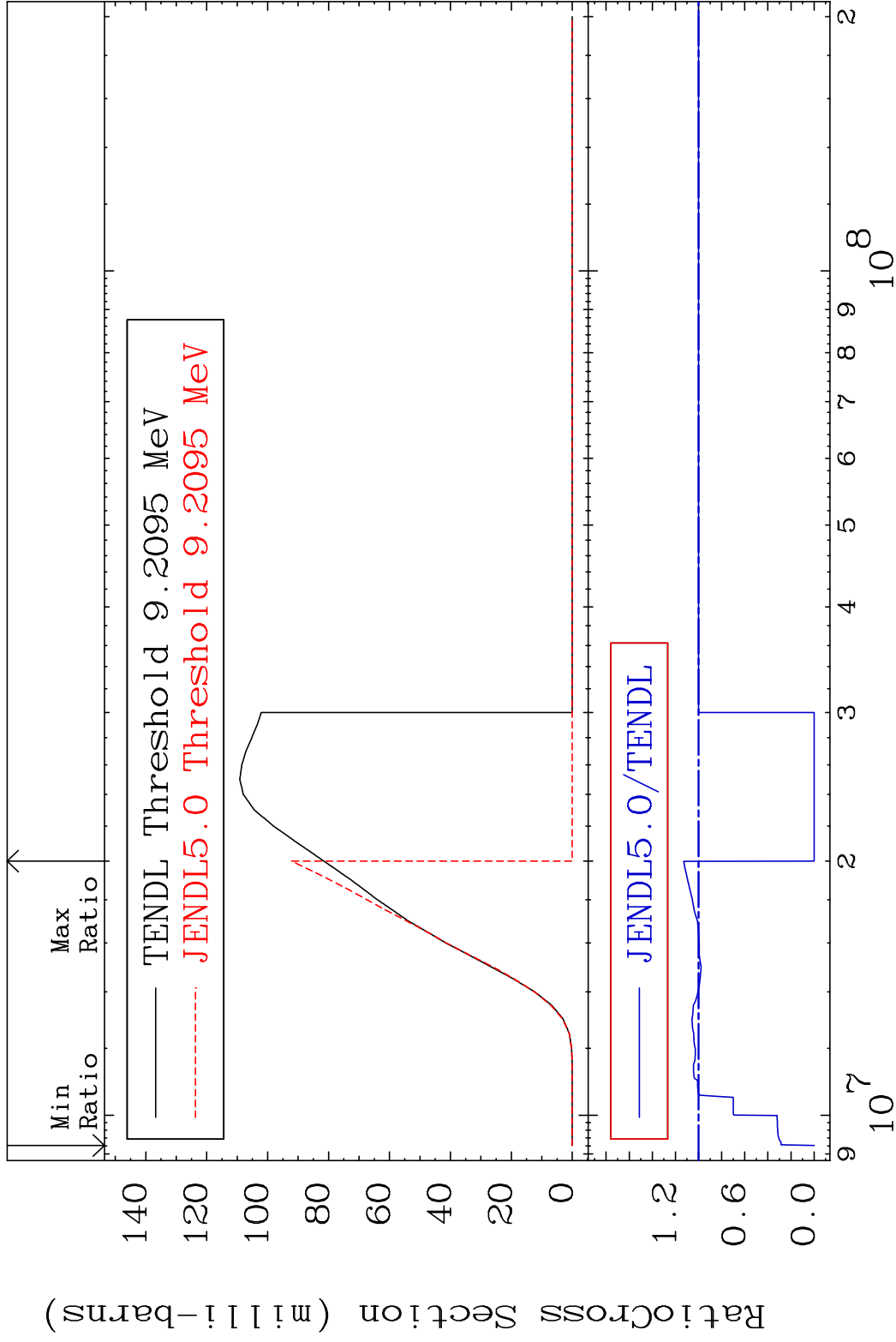


MAT 3634

(n, n') p

36-Kr-81

Cross Section -100.0 To 12.89 %



8

Incident Energy (eV)

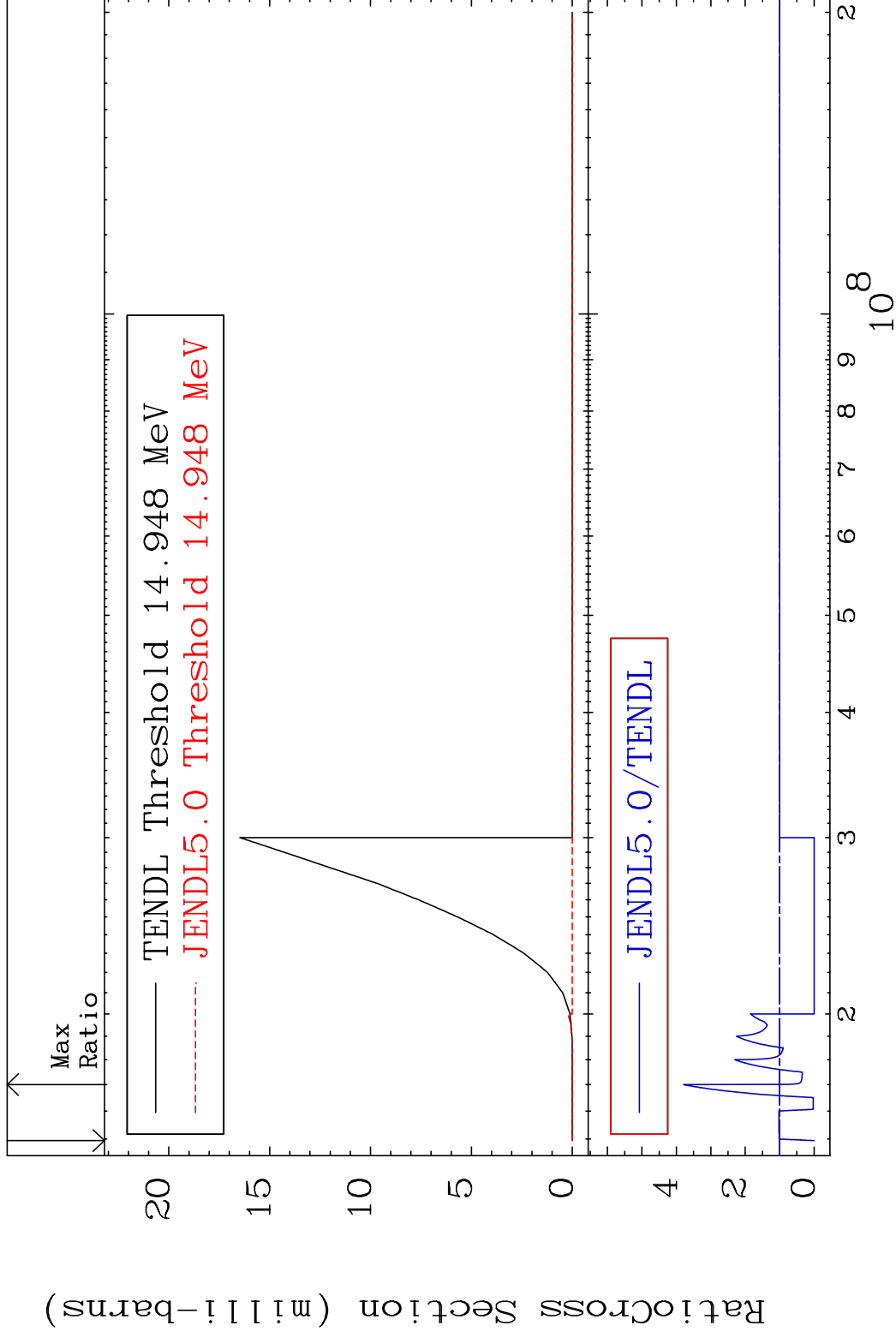
36-Kr-81

MAT 3634

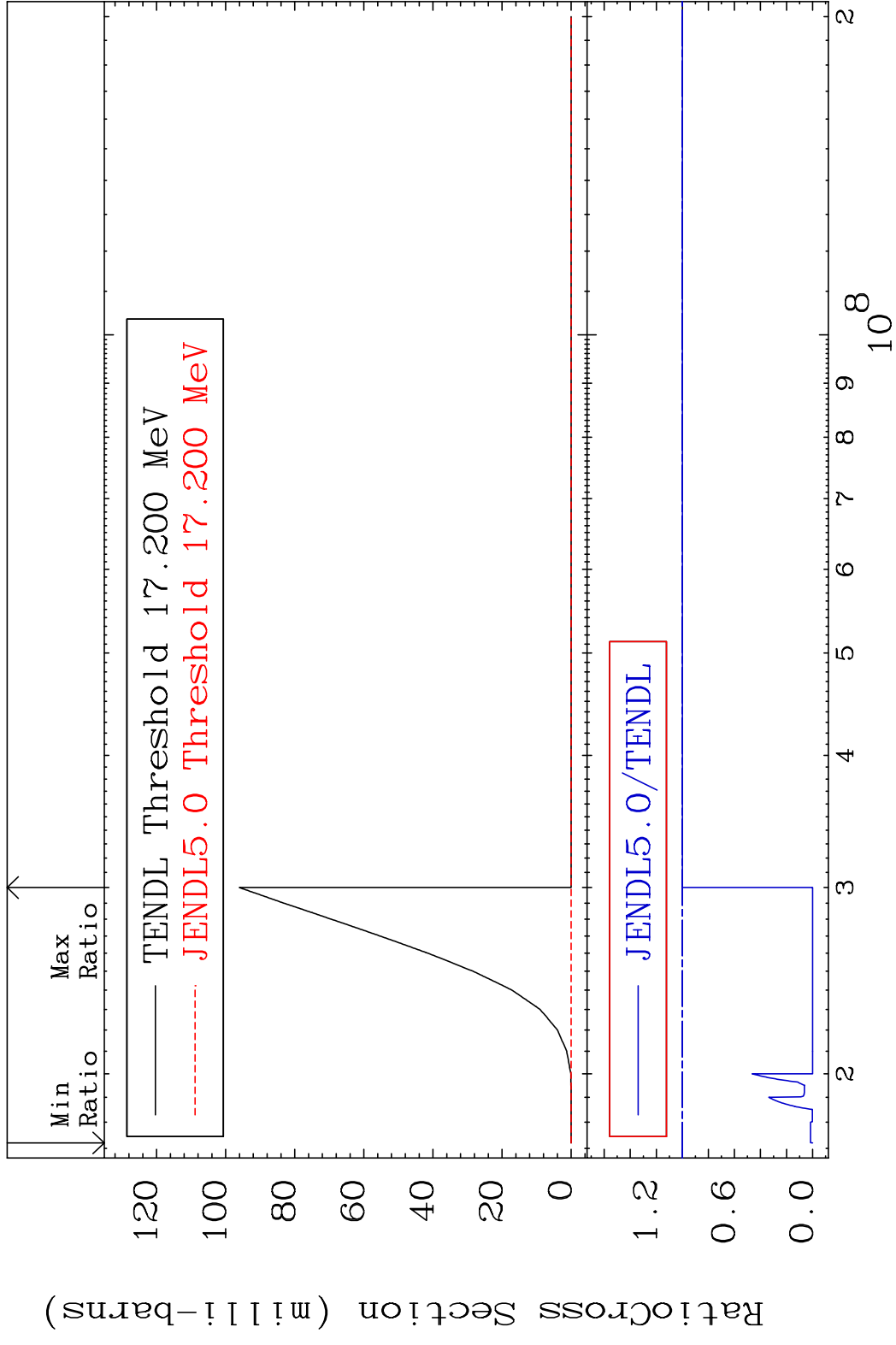
(n, n') d

36-Kr-81

Cross Section -100.0 To 278.8 %

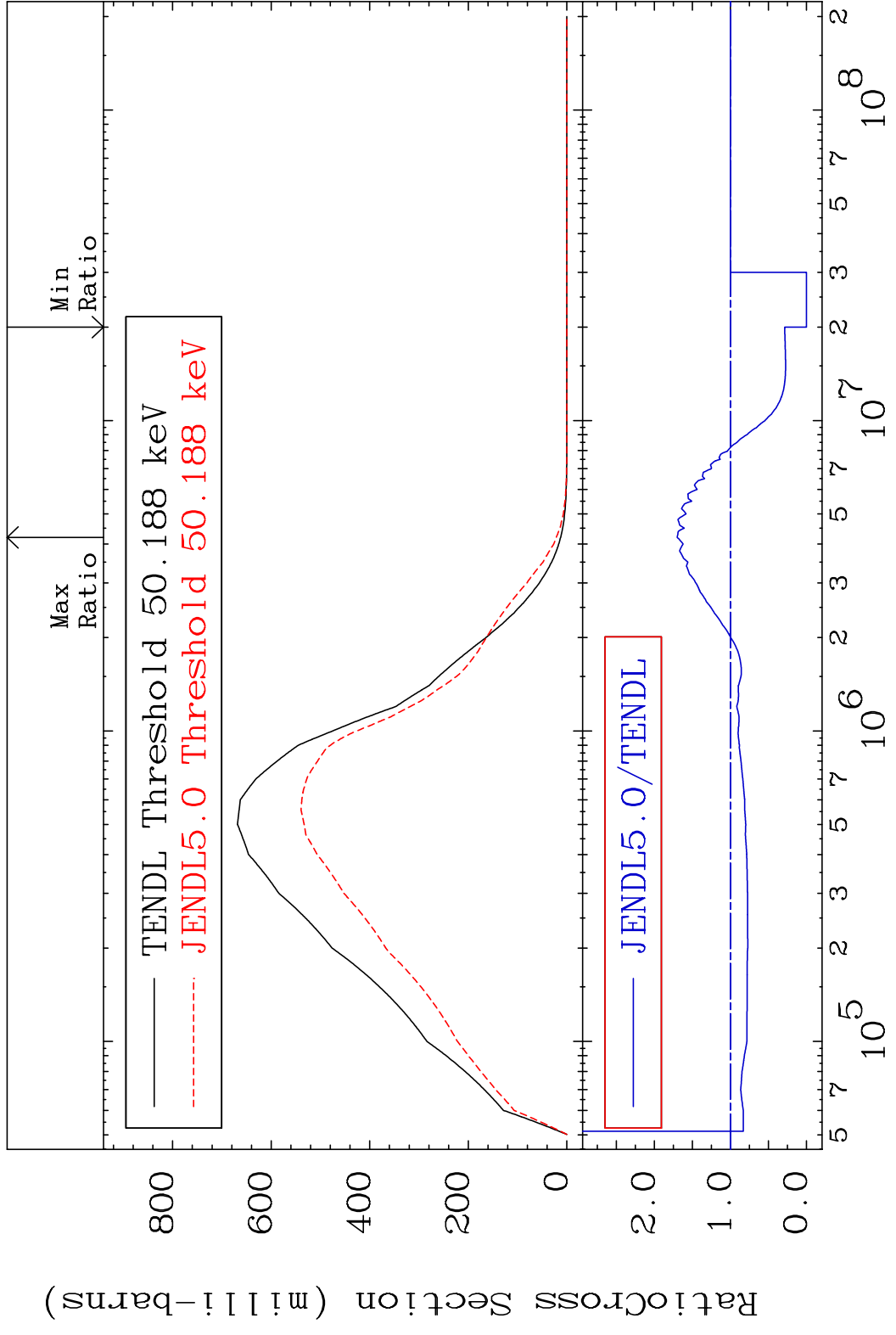


MAT 3634 (n,2n) p 36-Kr-81
 Cross Section -100.0 To 0.000 %

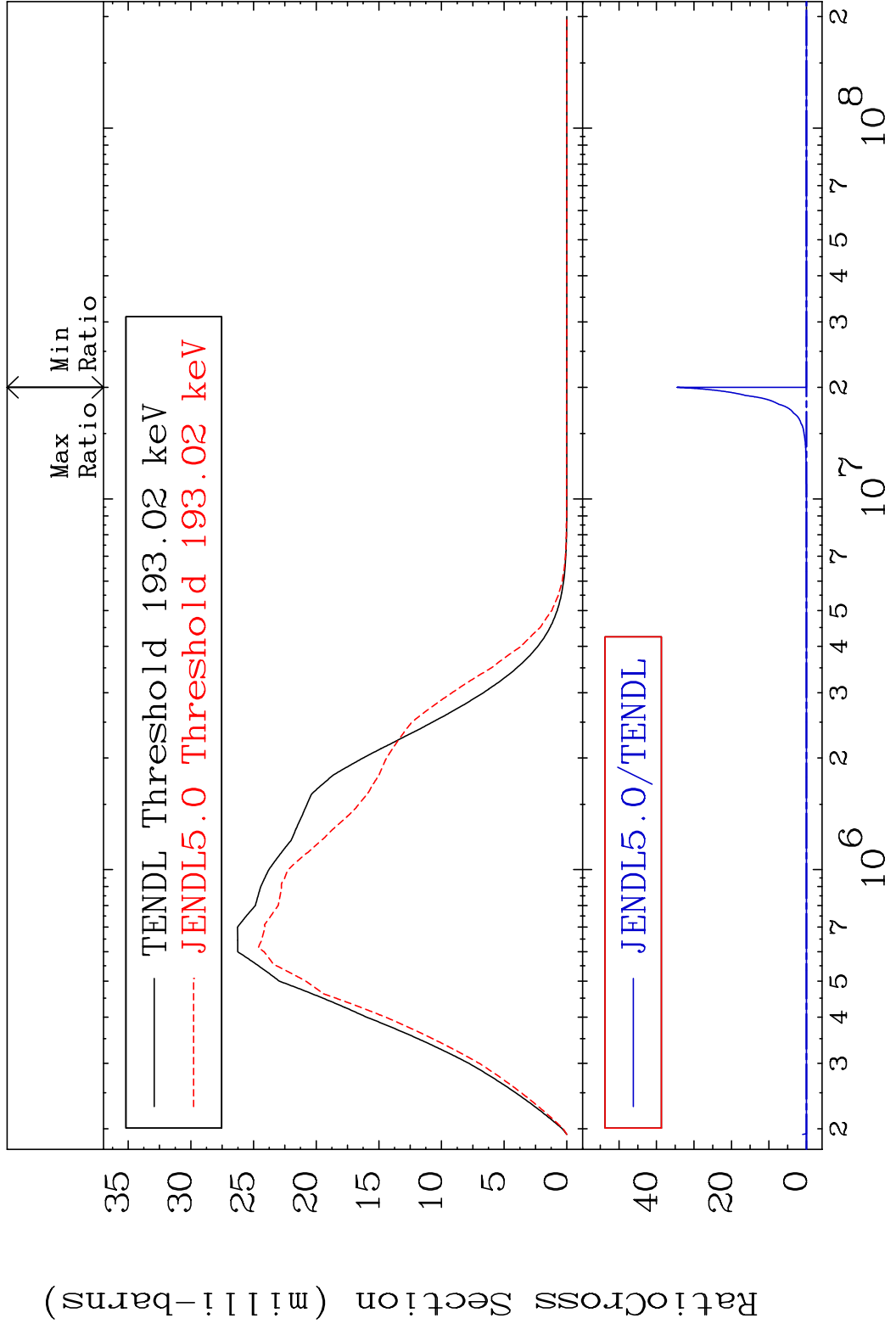


10 36-Kr-81

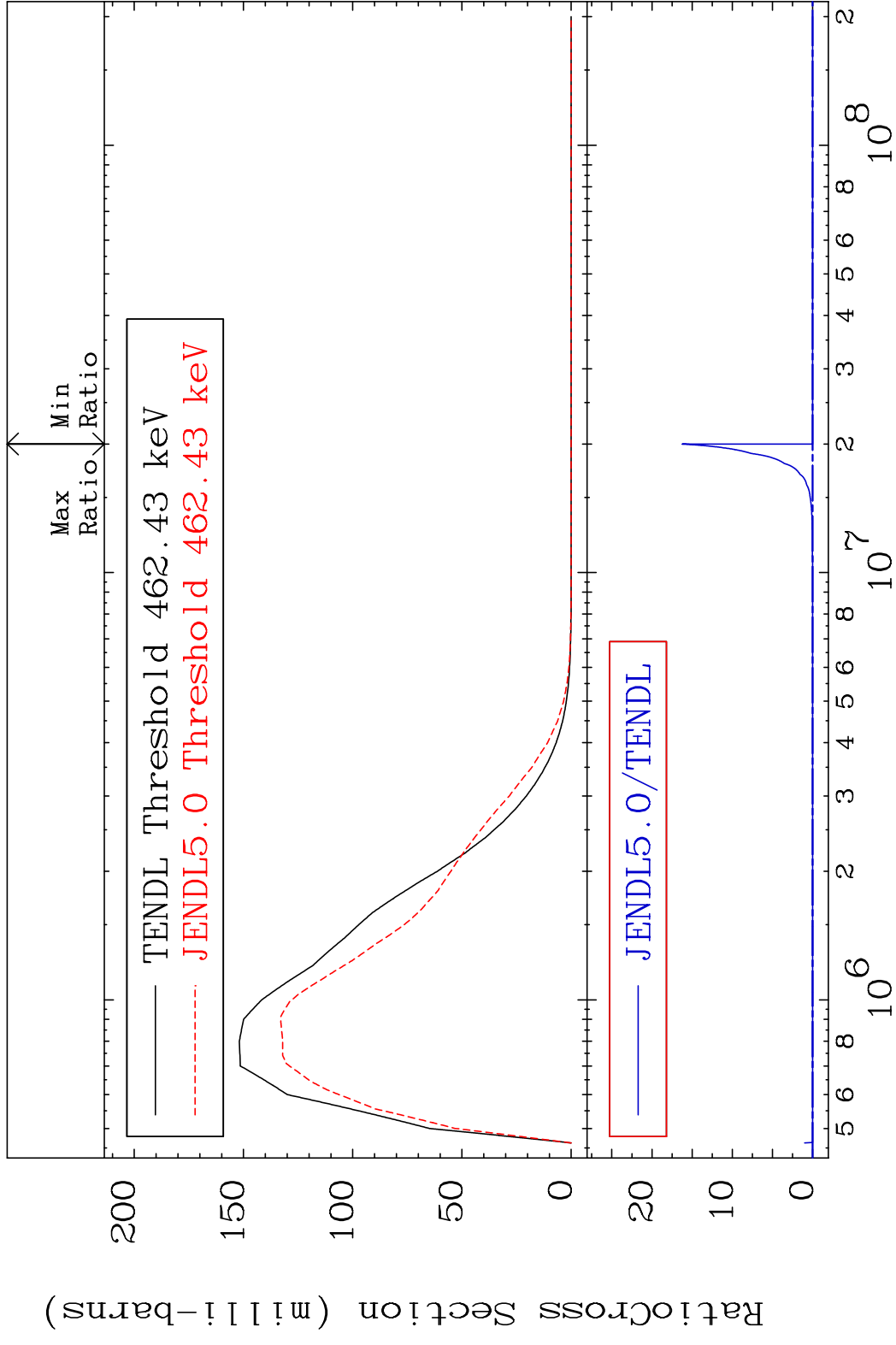
MAT 3634 MT= 51 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 69.91 %



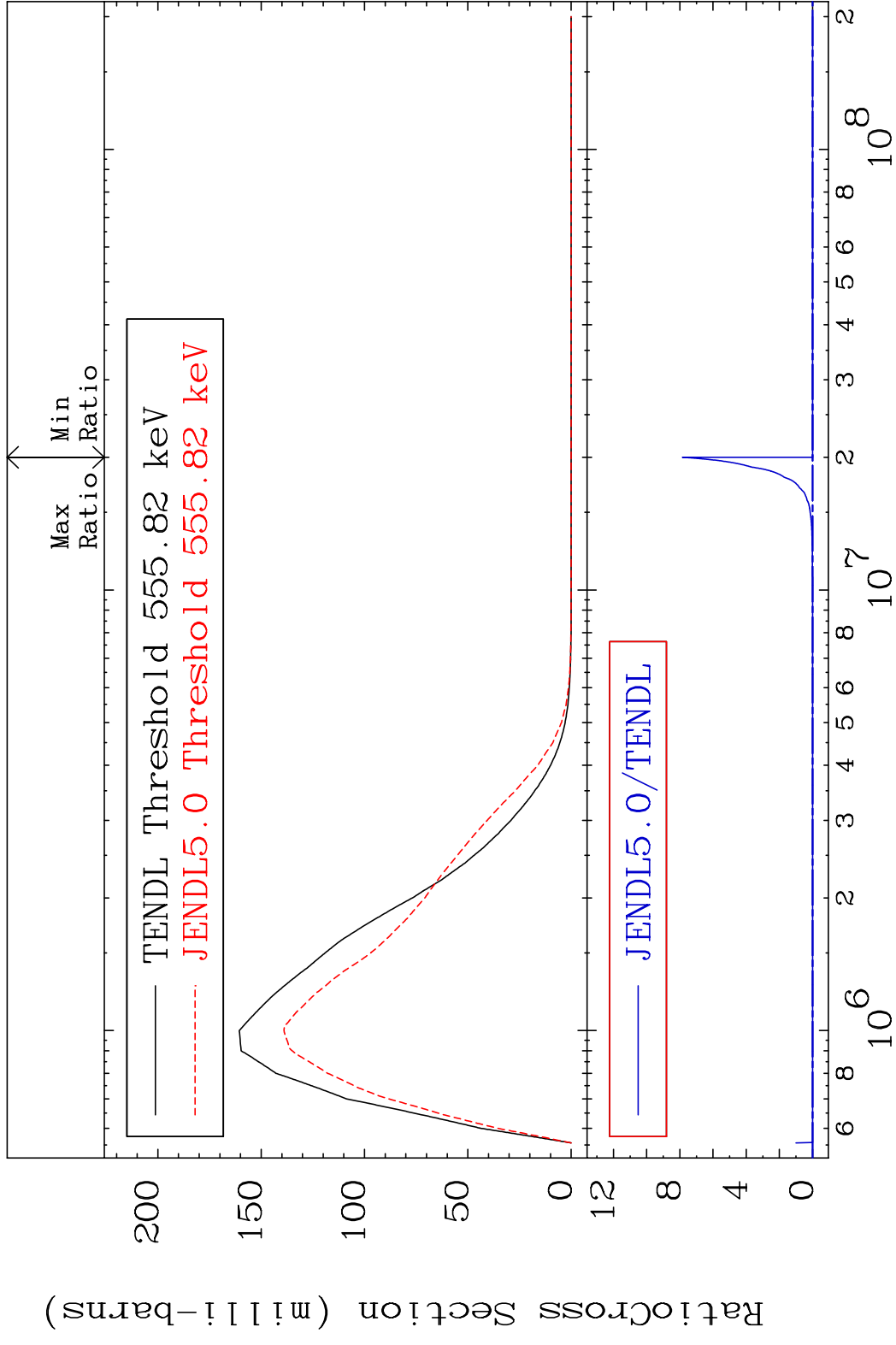
MAT 3634 MT= 52 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



MAT 3634 MT= 53 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

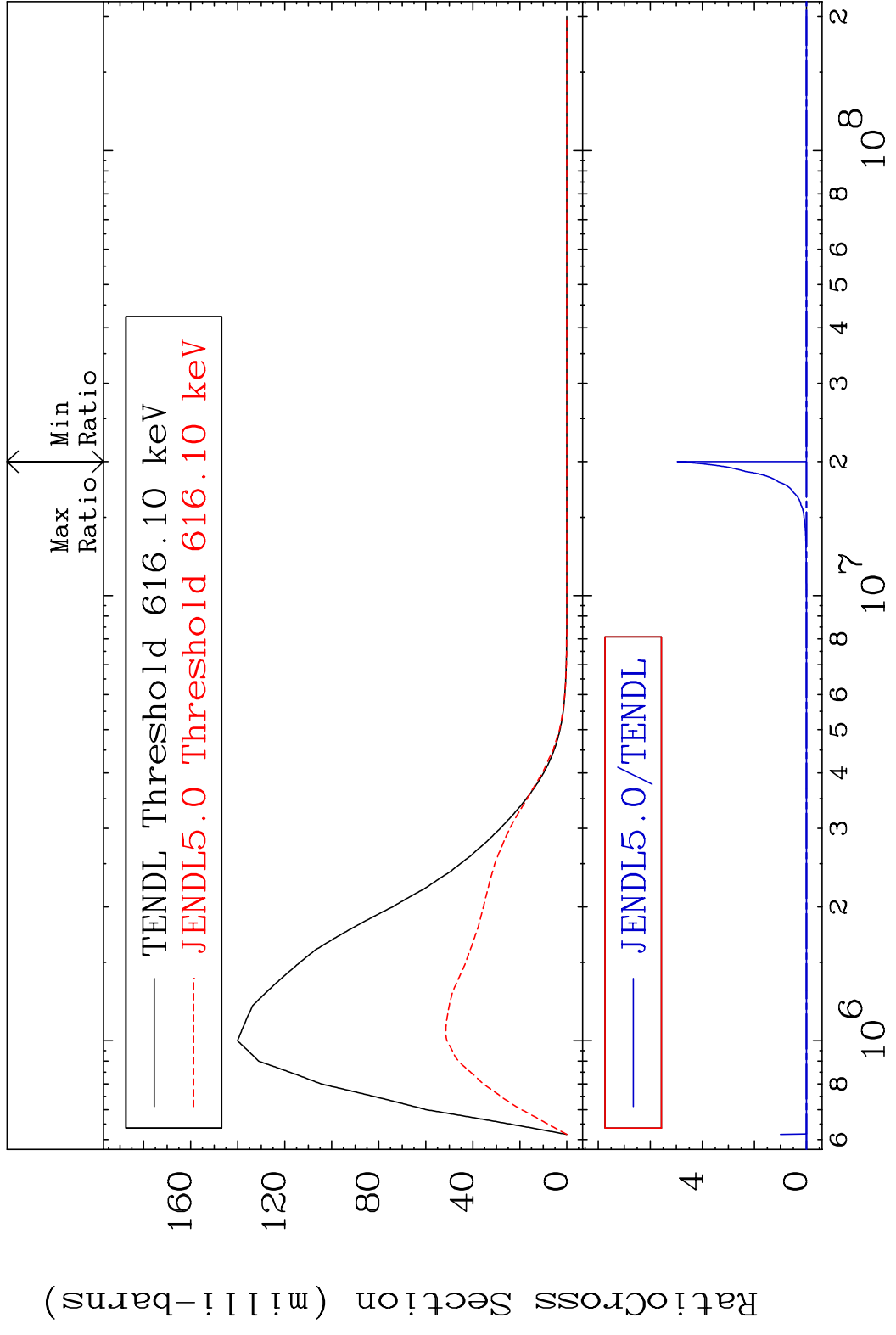


MAT 3634 MT= 54 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



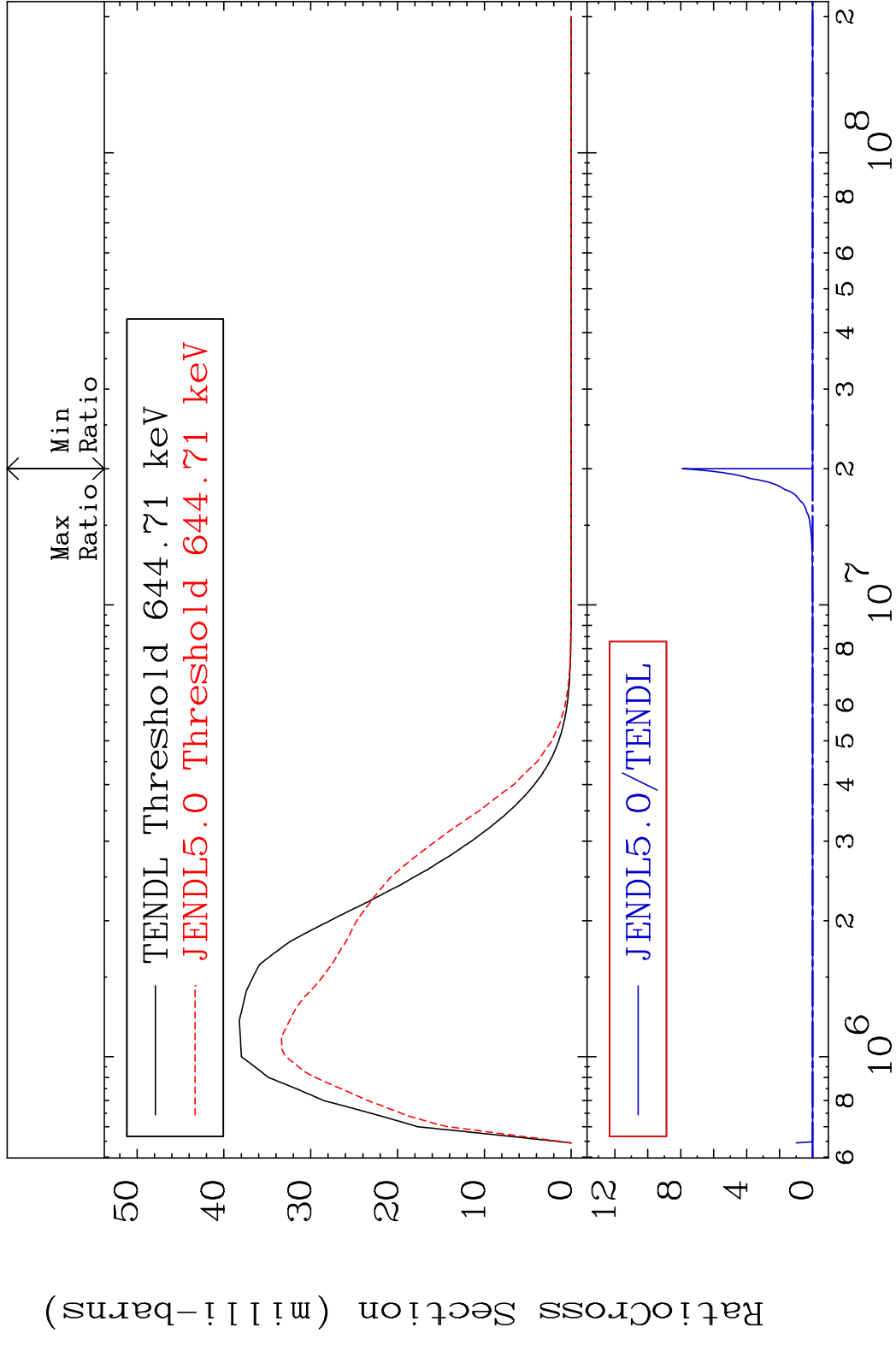
14 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 55 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



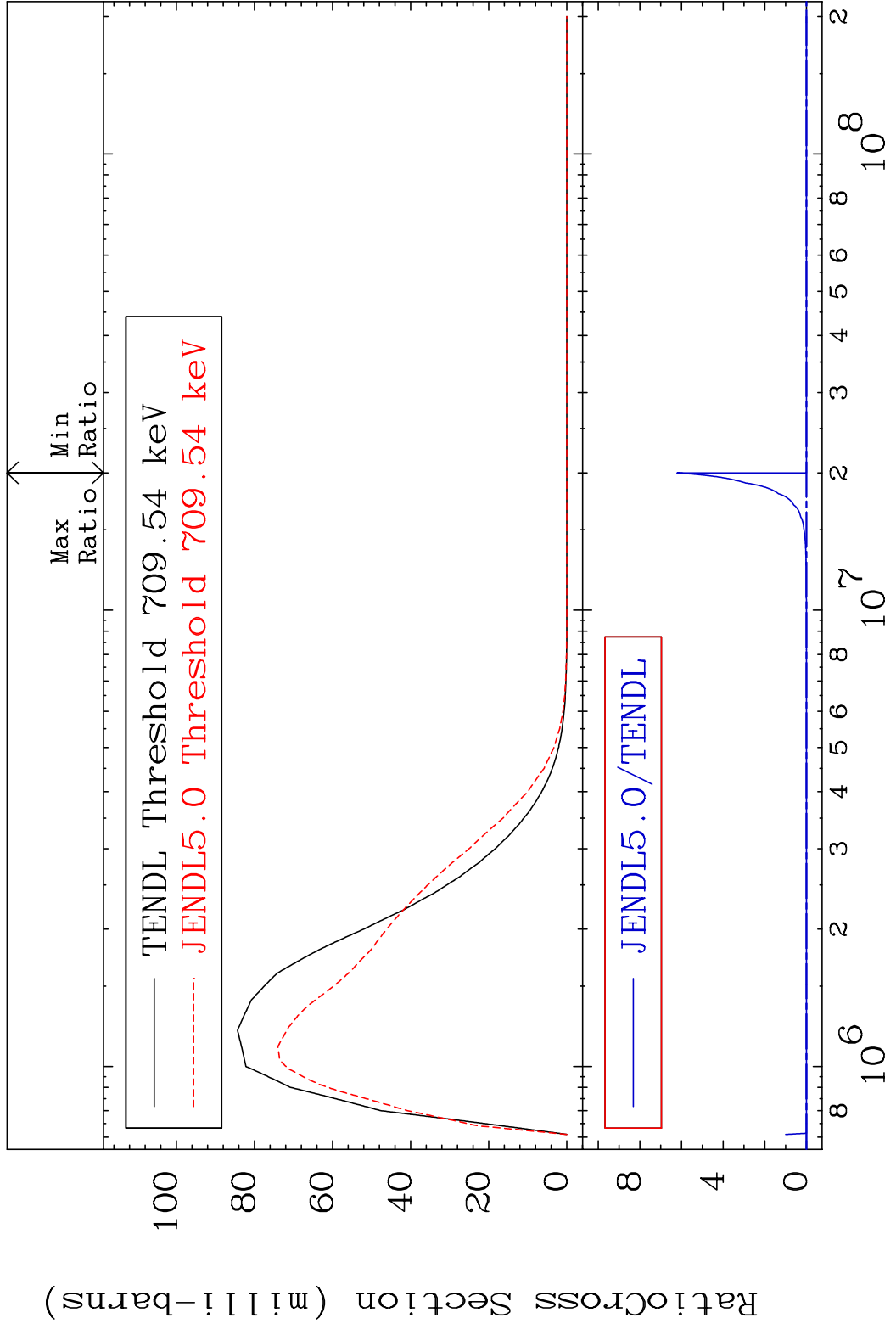
15 36-Kr-81

MAT 3634 MT= 56 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



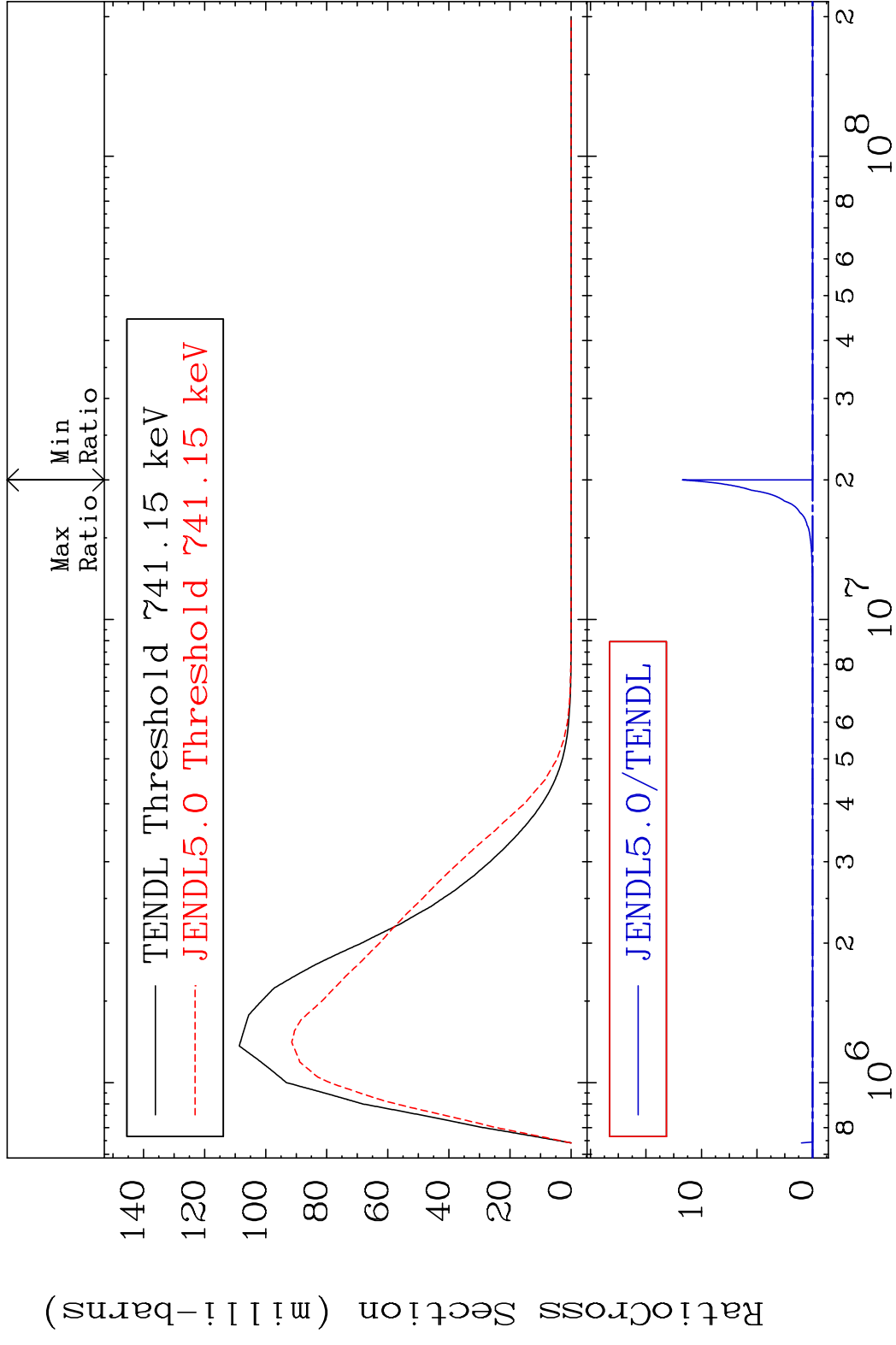
16 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 57 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



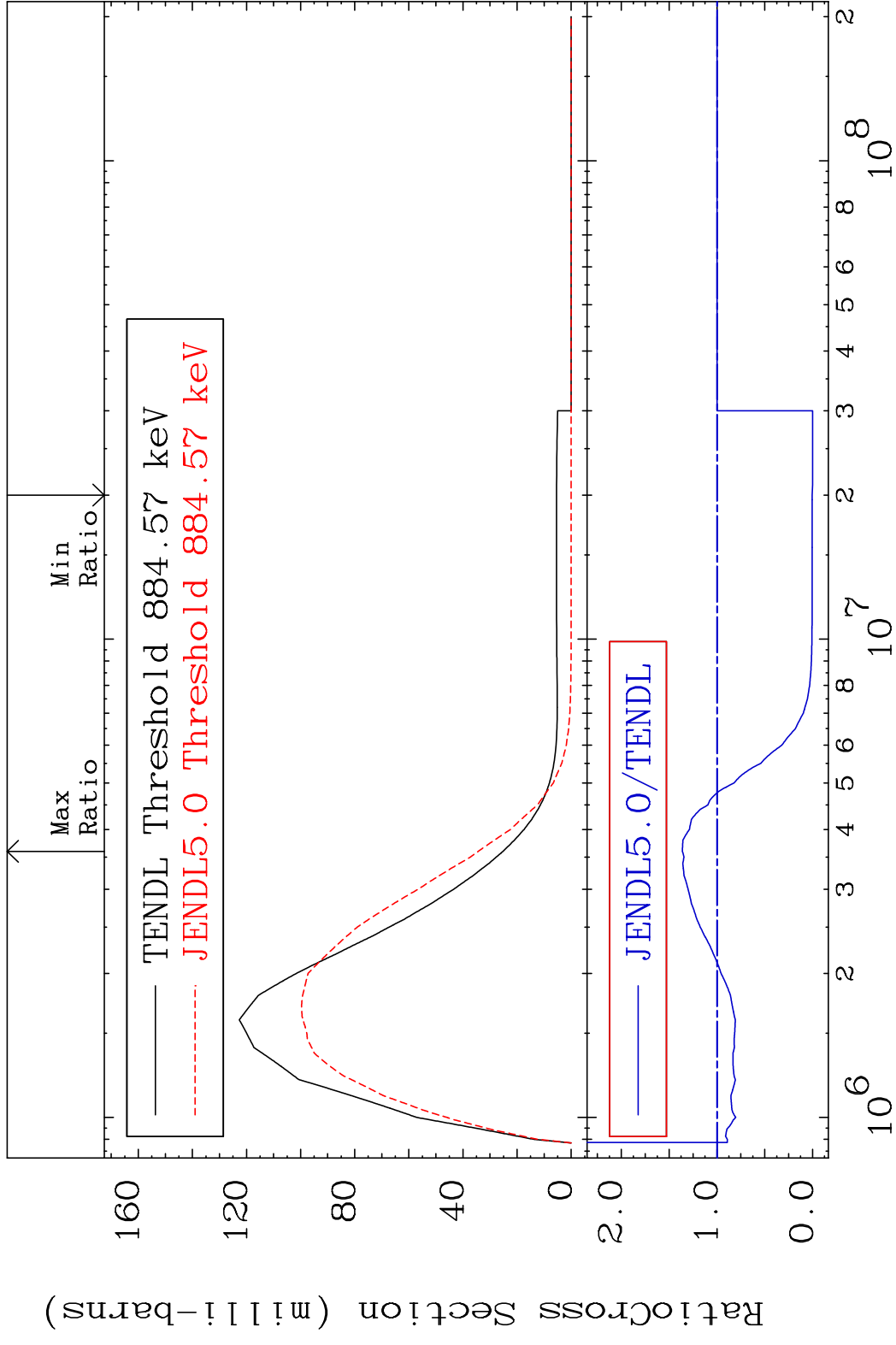
17 36-Kr-81

MAT 3634 MT= 58 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

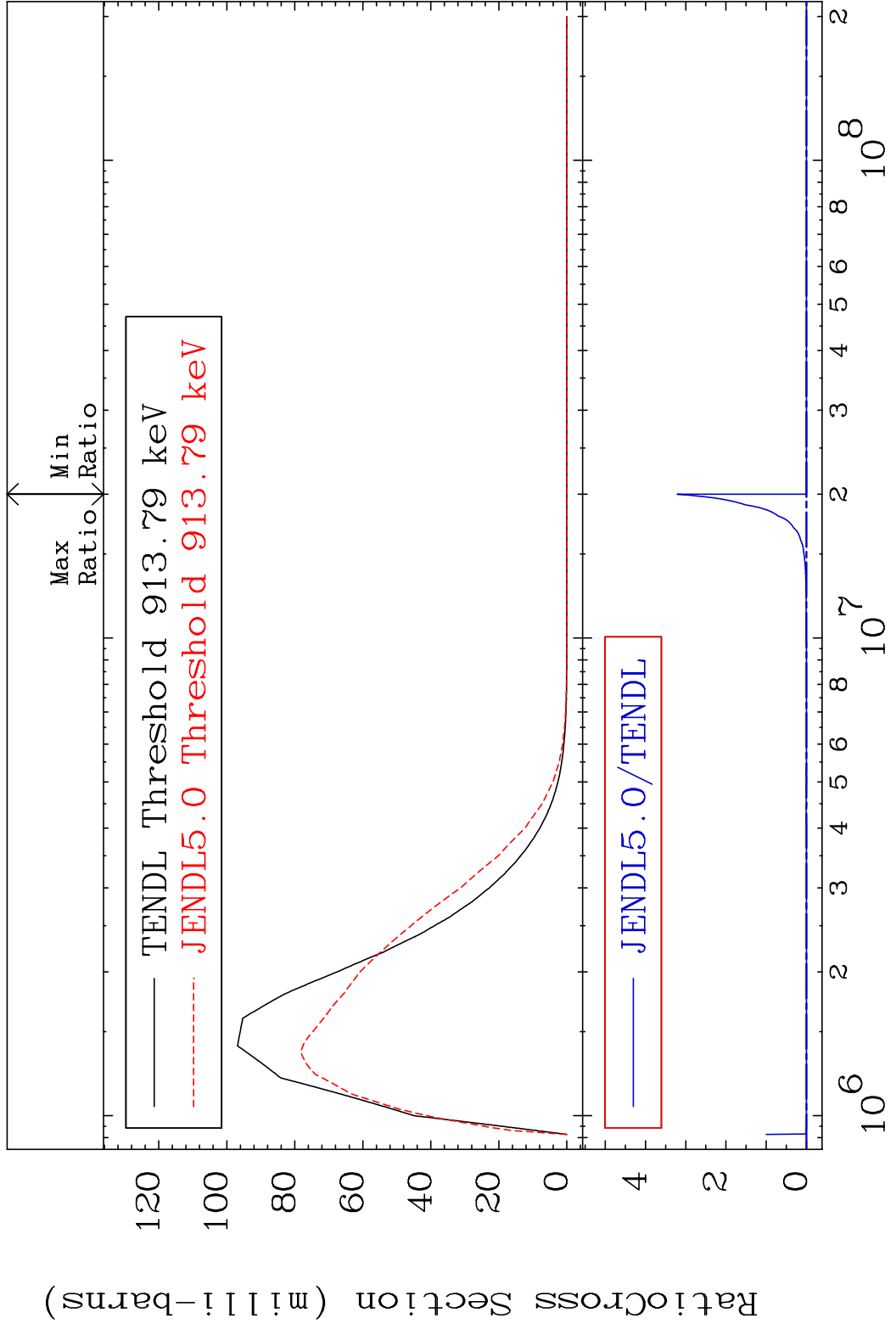


18 36-Kr-81

MAT 3634 MT= 59 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 36.18 %

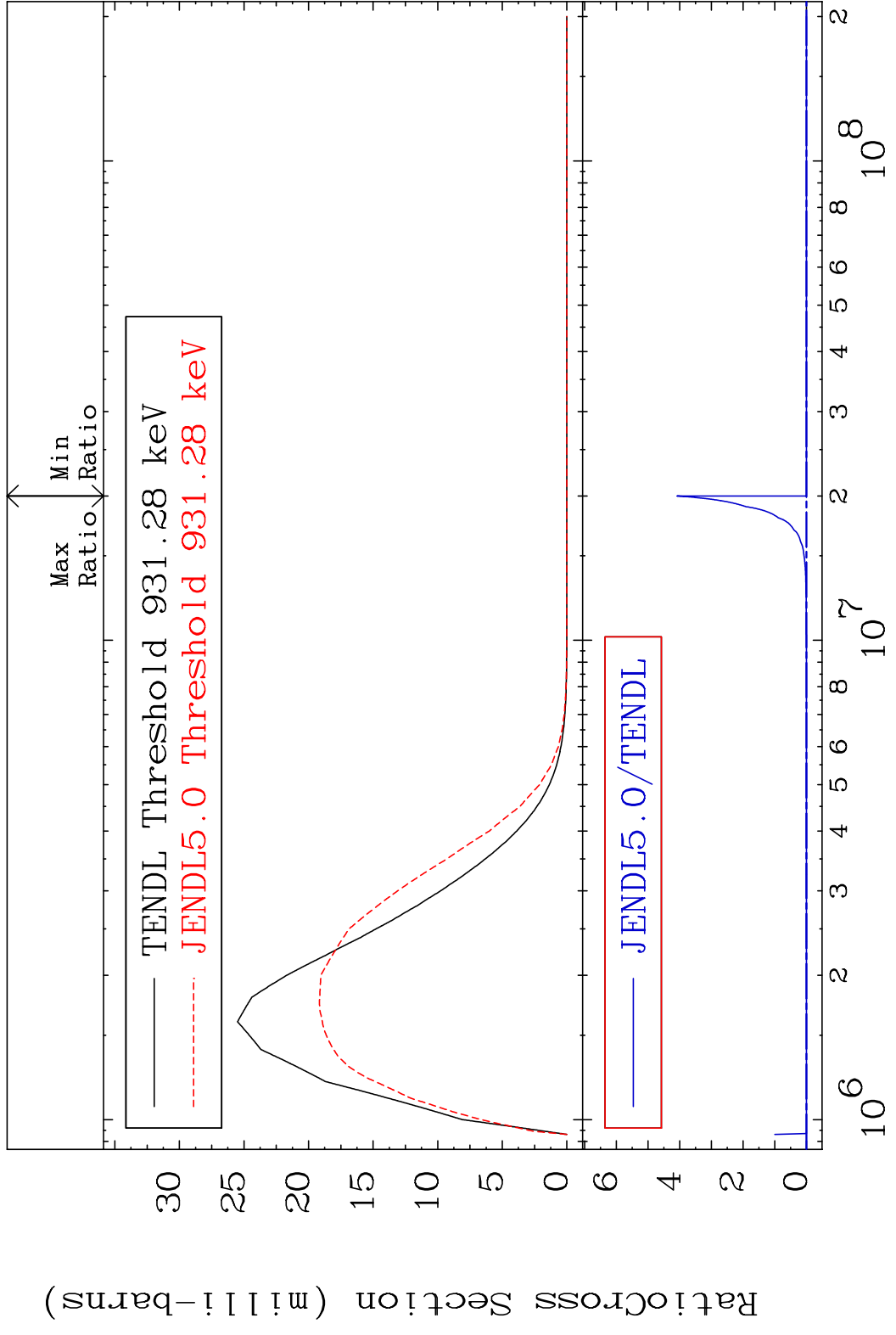


MAT 3634 MT= 60 (n, n') Level 36-Kr-81
Cross Section -100.0 To 9999. %



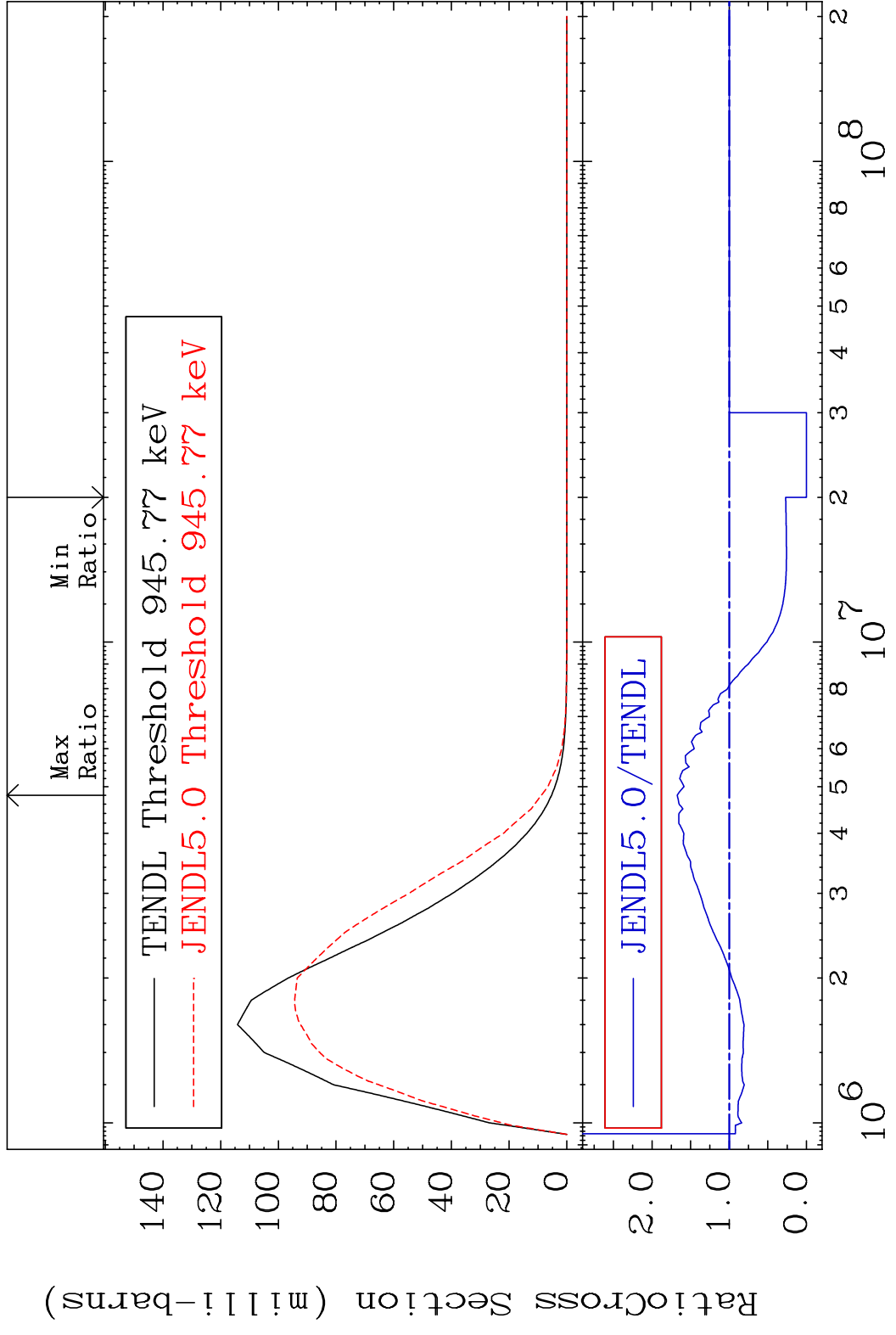
20 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 20

MAT 3634 MT= 61 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



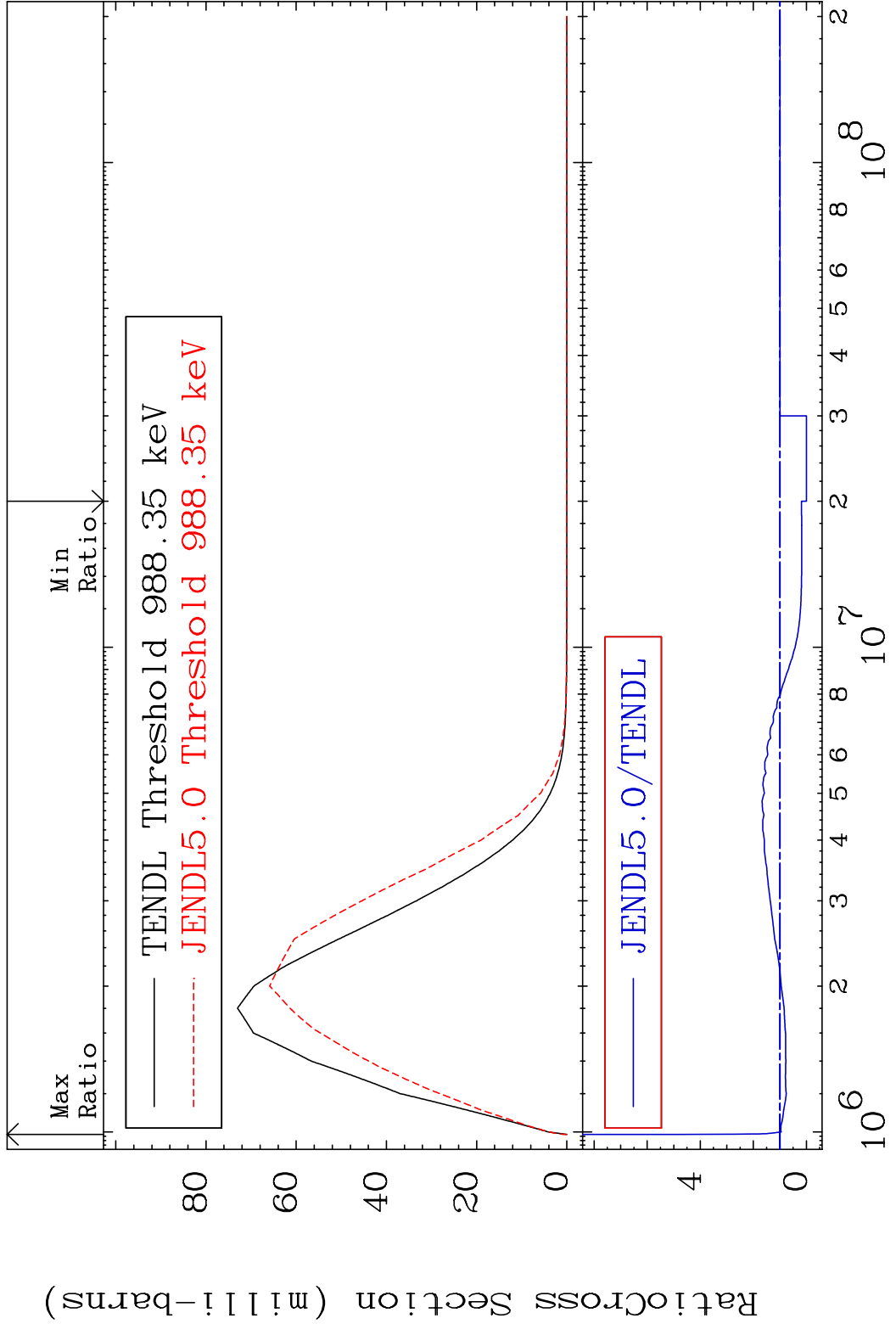
21 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 62 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 67.38 %



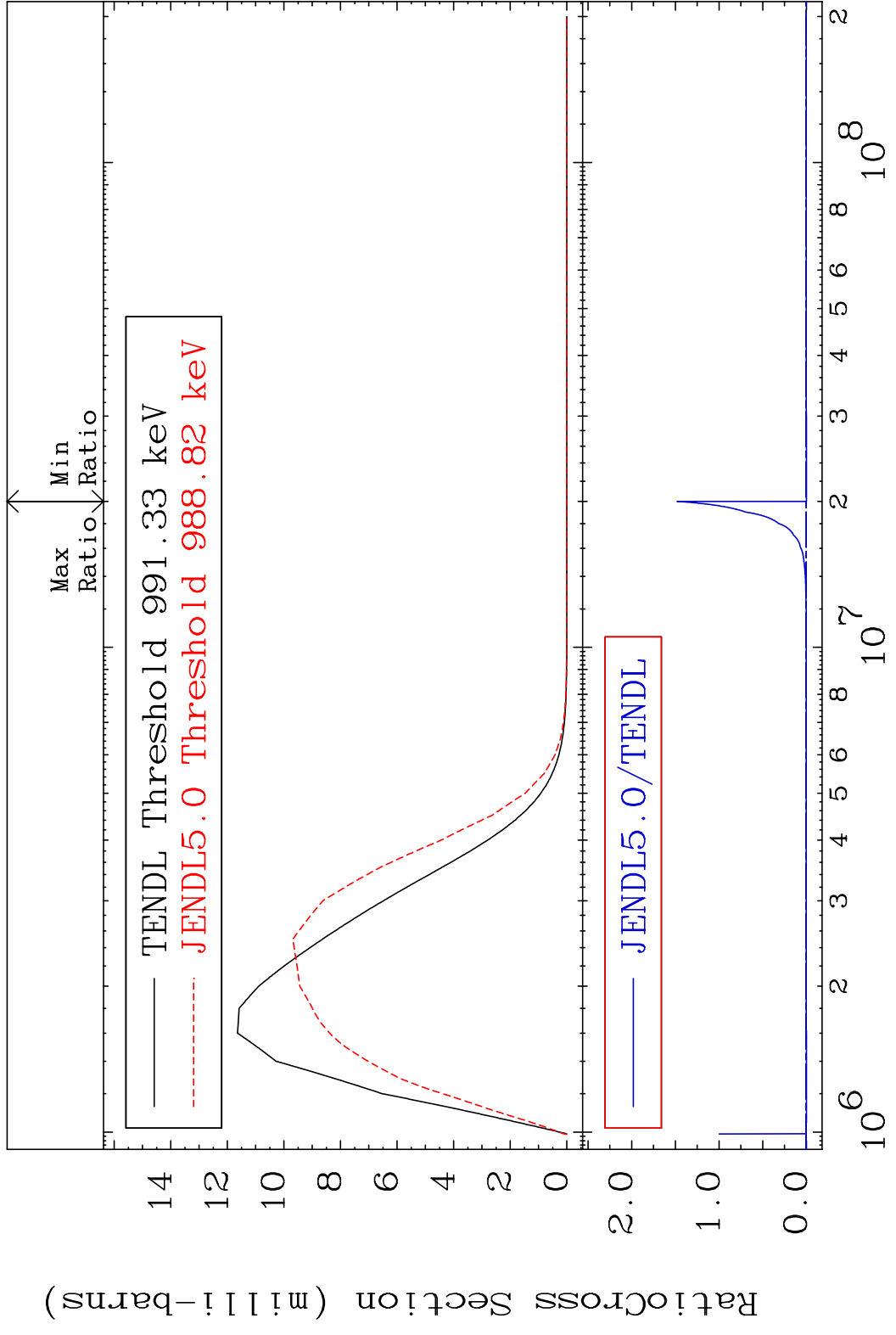
22 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 63 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 386.9 %

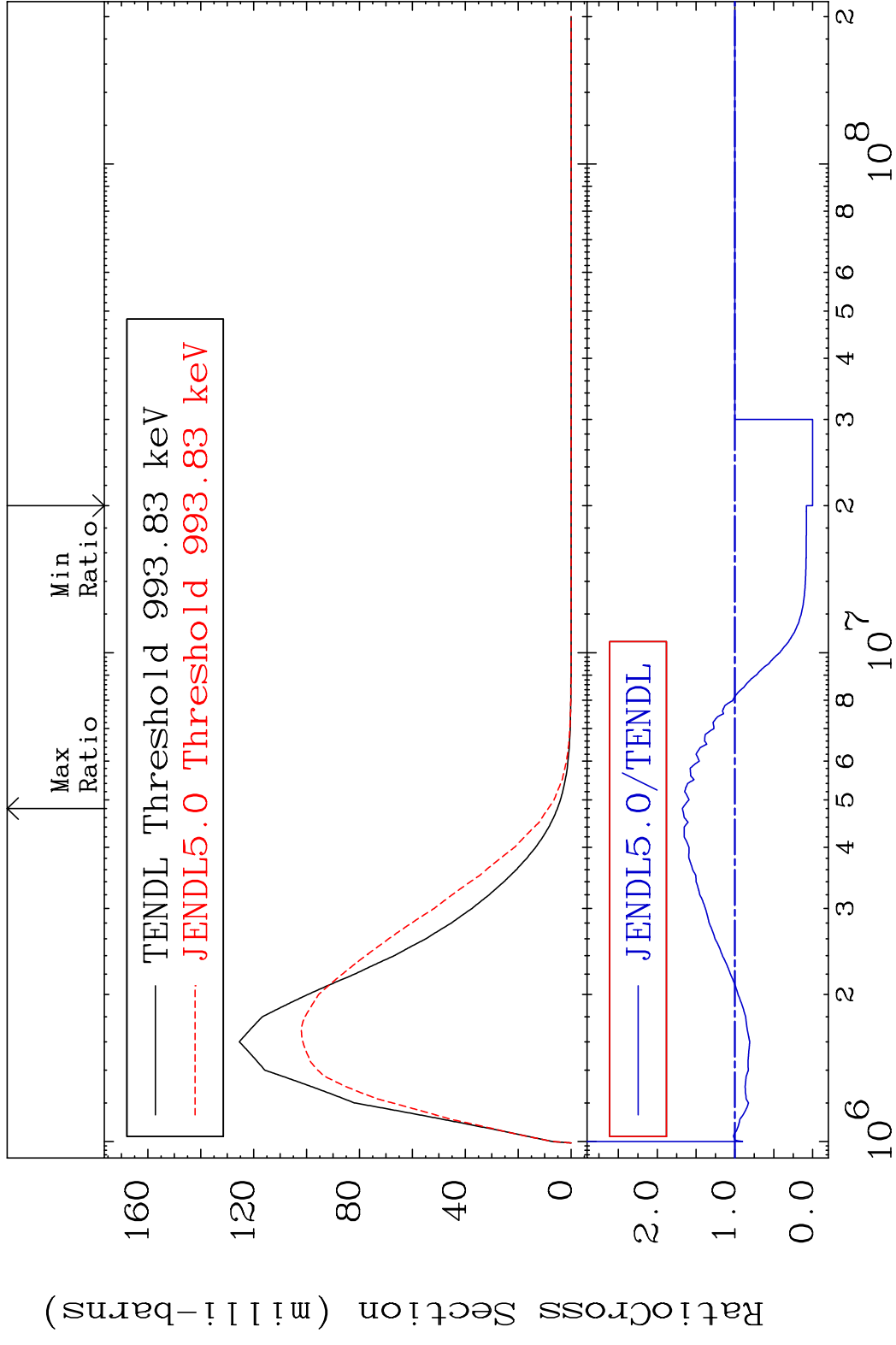


23 36-Kr-81

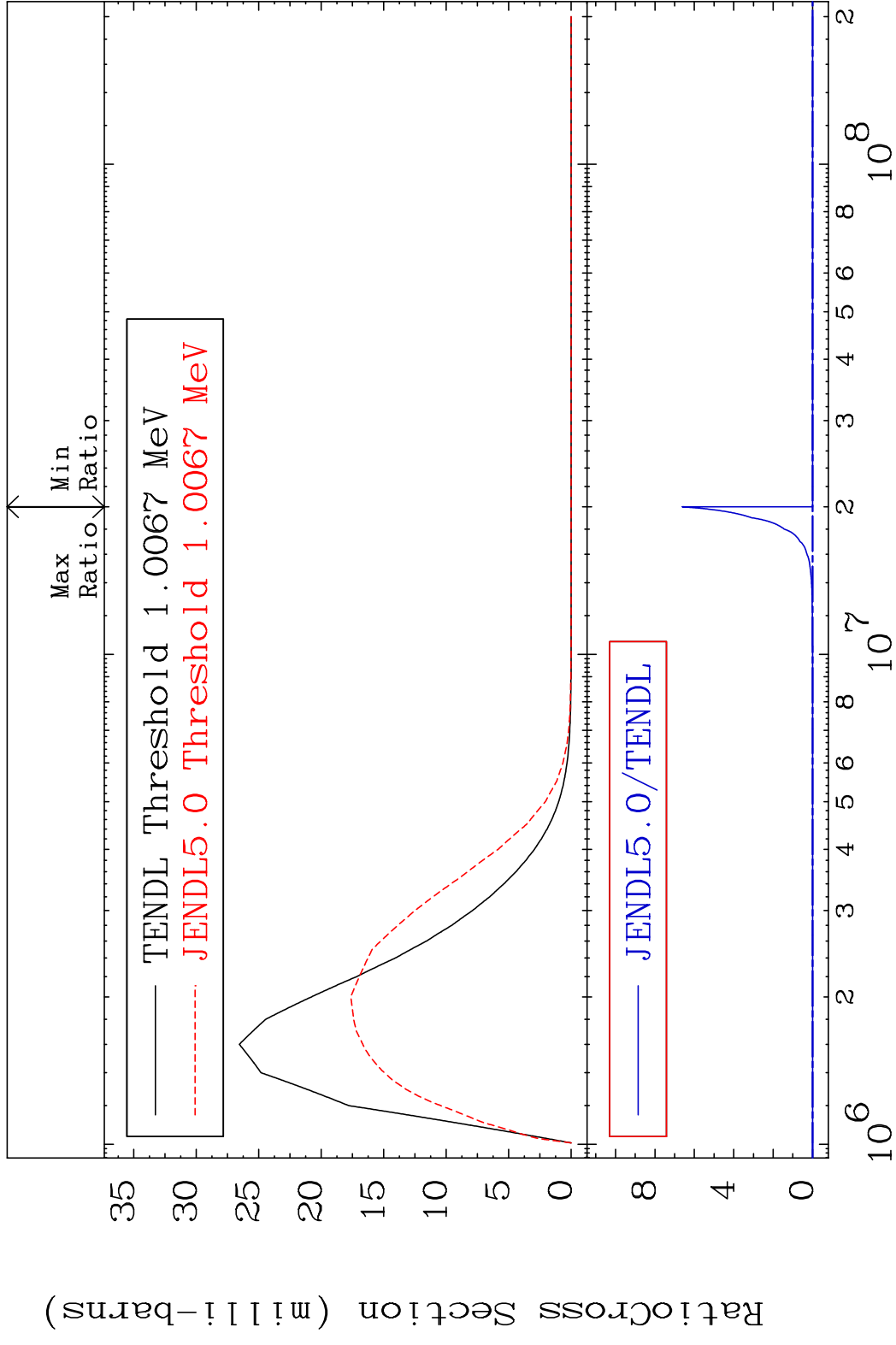
MAT 3634 MT= 64 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



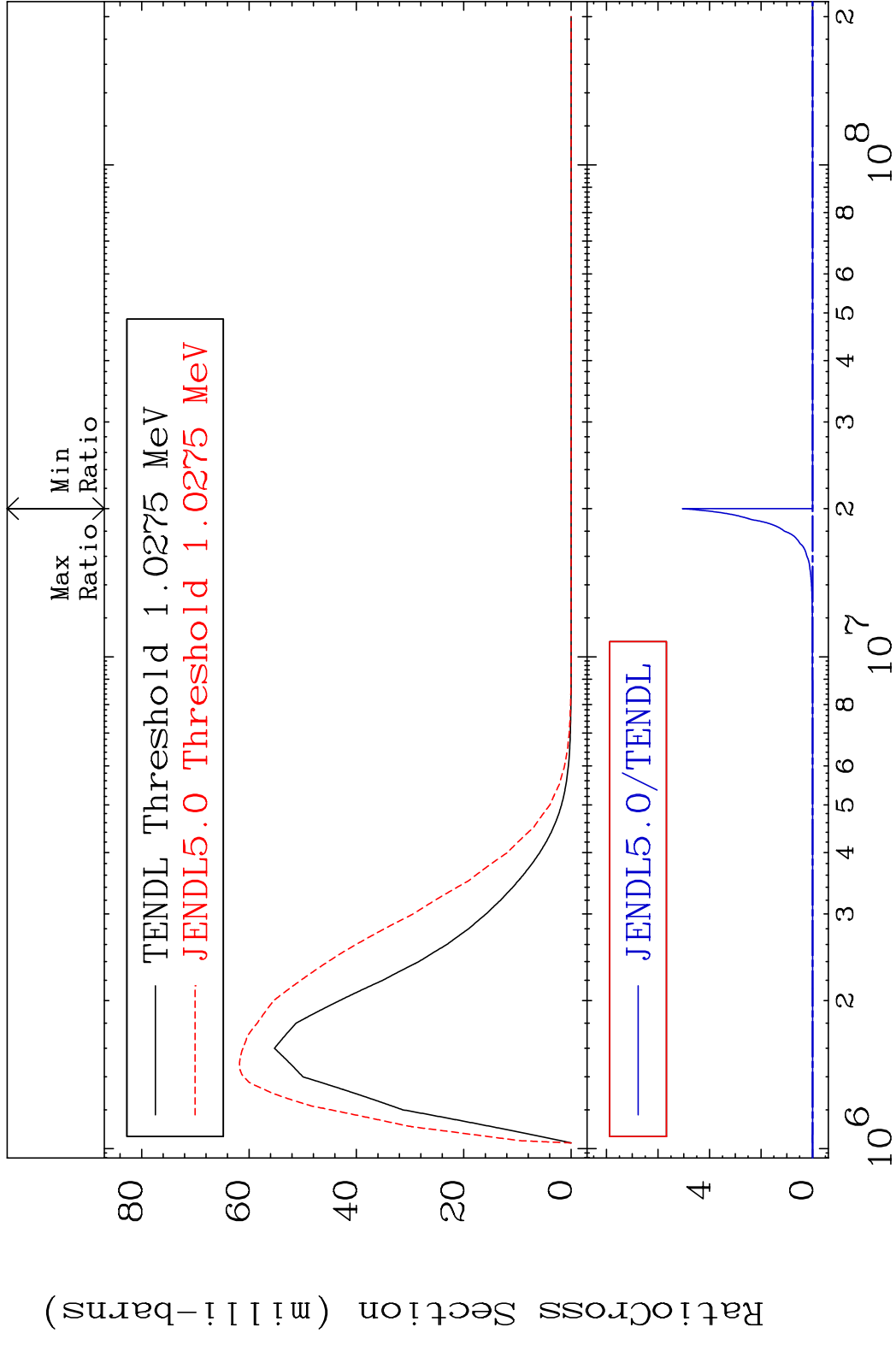
MAT 3634 MT= 65 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 67.67 %



MAT 3634 MT= 66 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

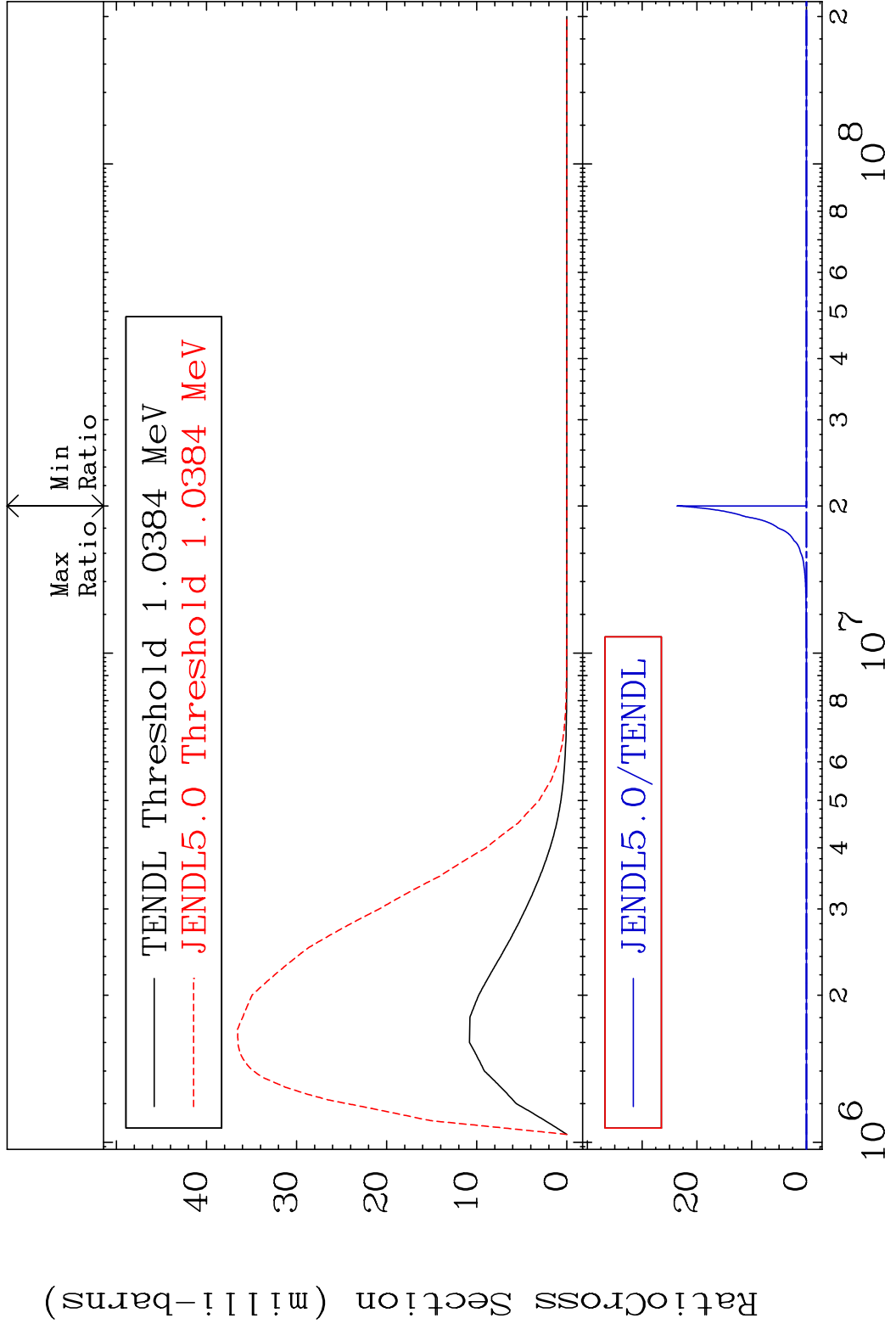


MAT 3634 MT= 67 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



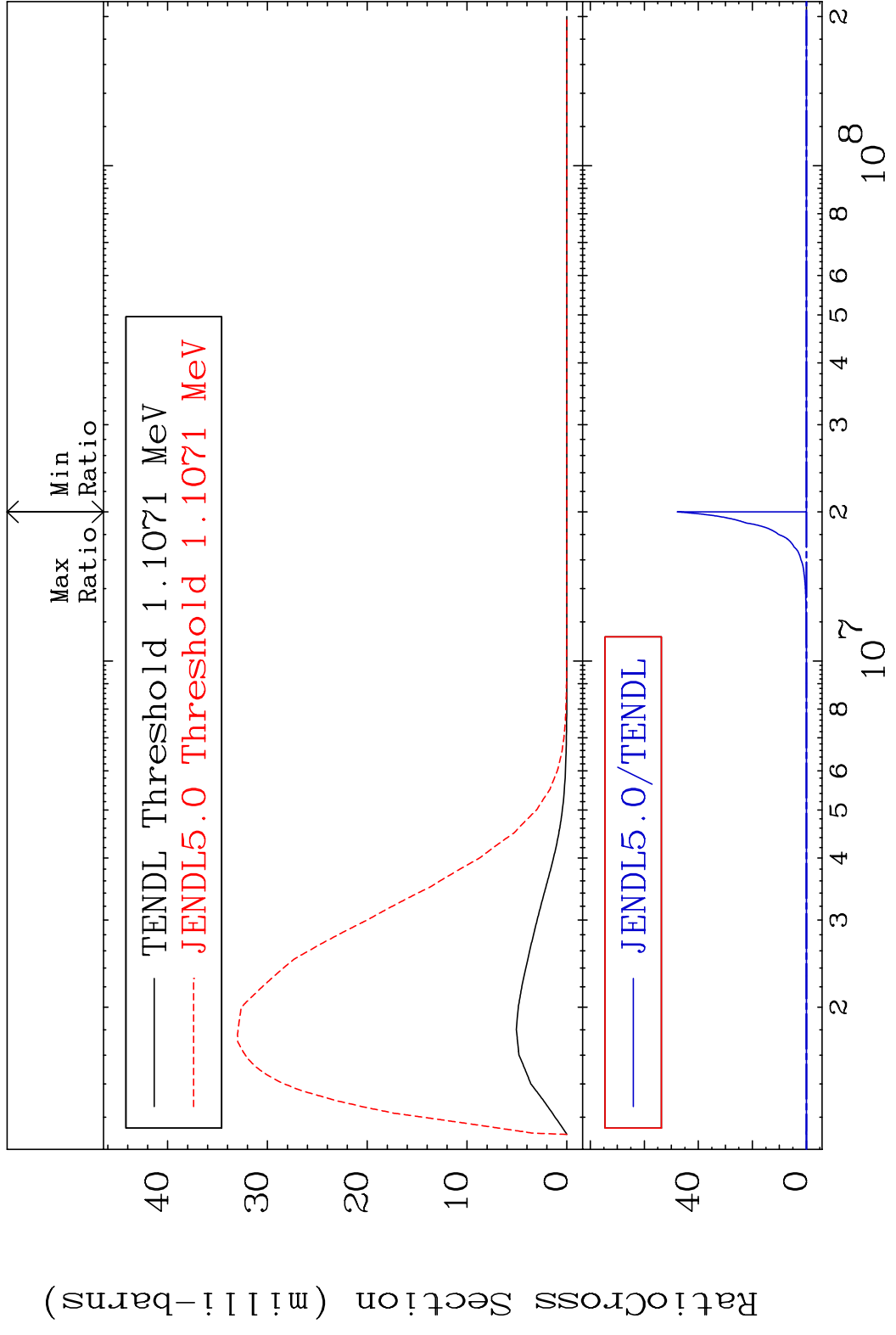
27 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 68 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



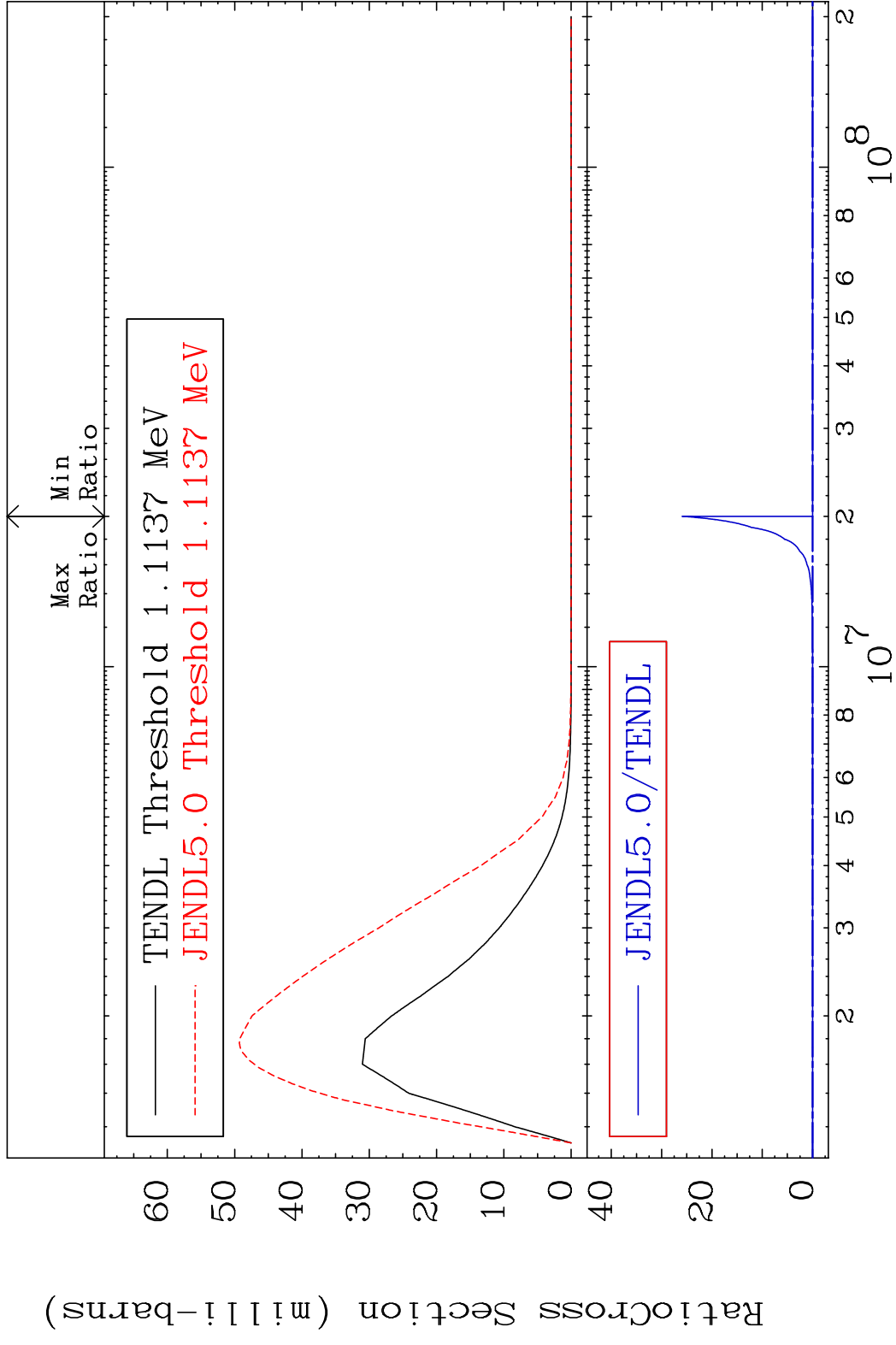
28 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 69 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

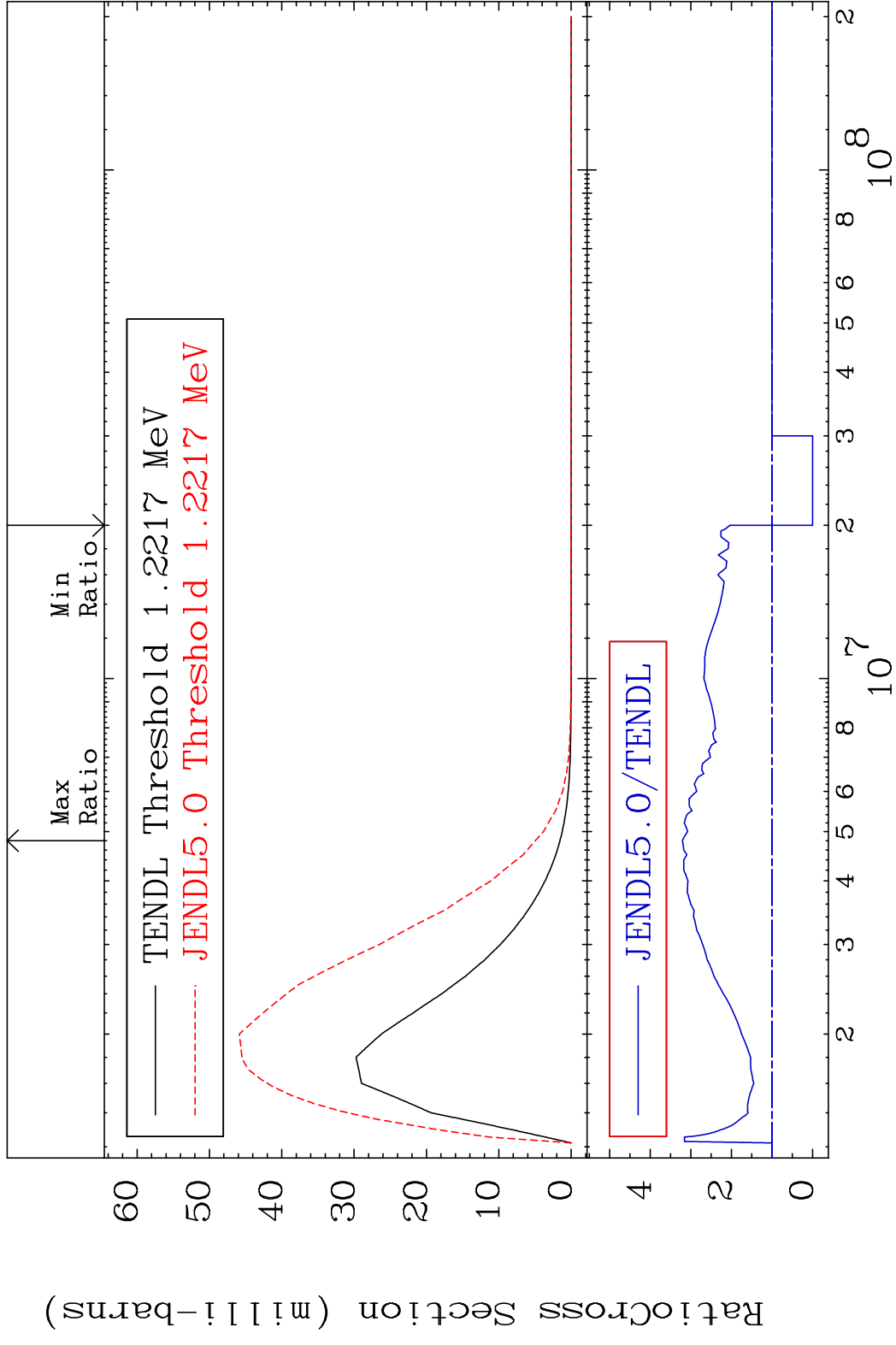


29 Incident Energy (eV) 36-Kr-81

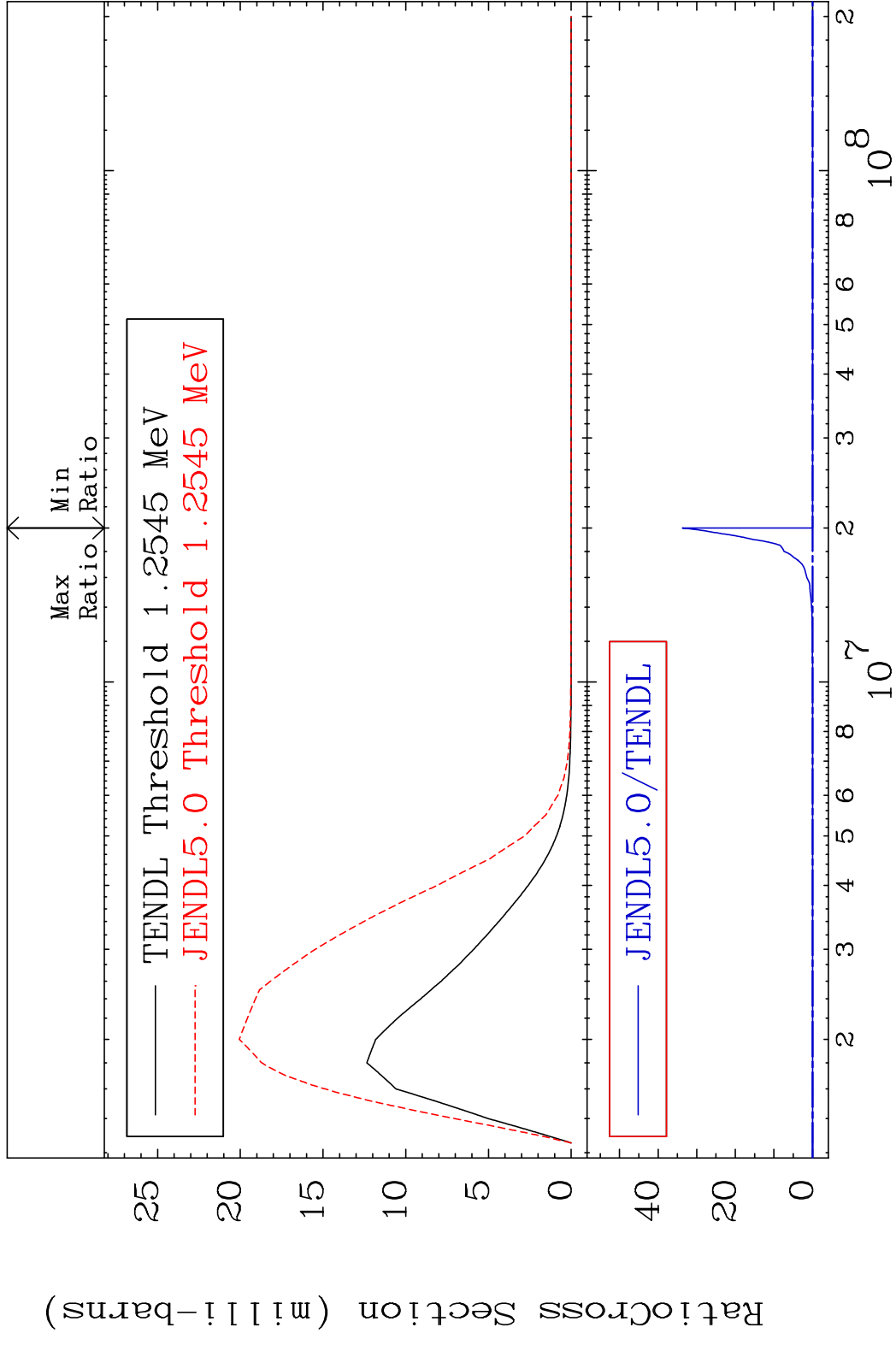
MAT 3634 MT= 70 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



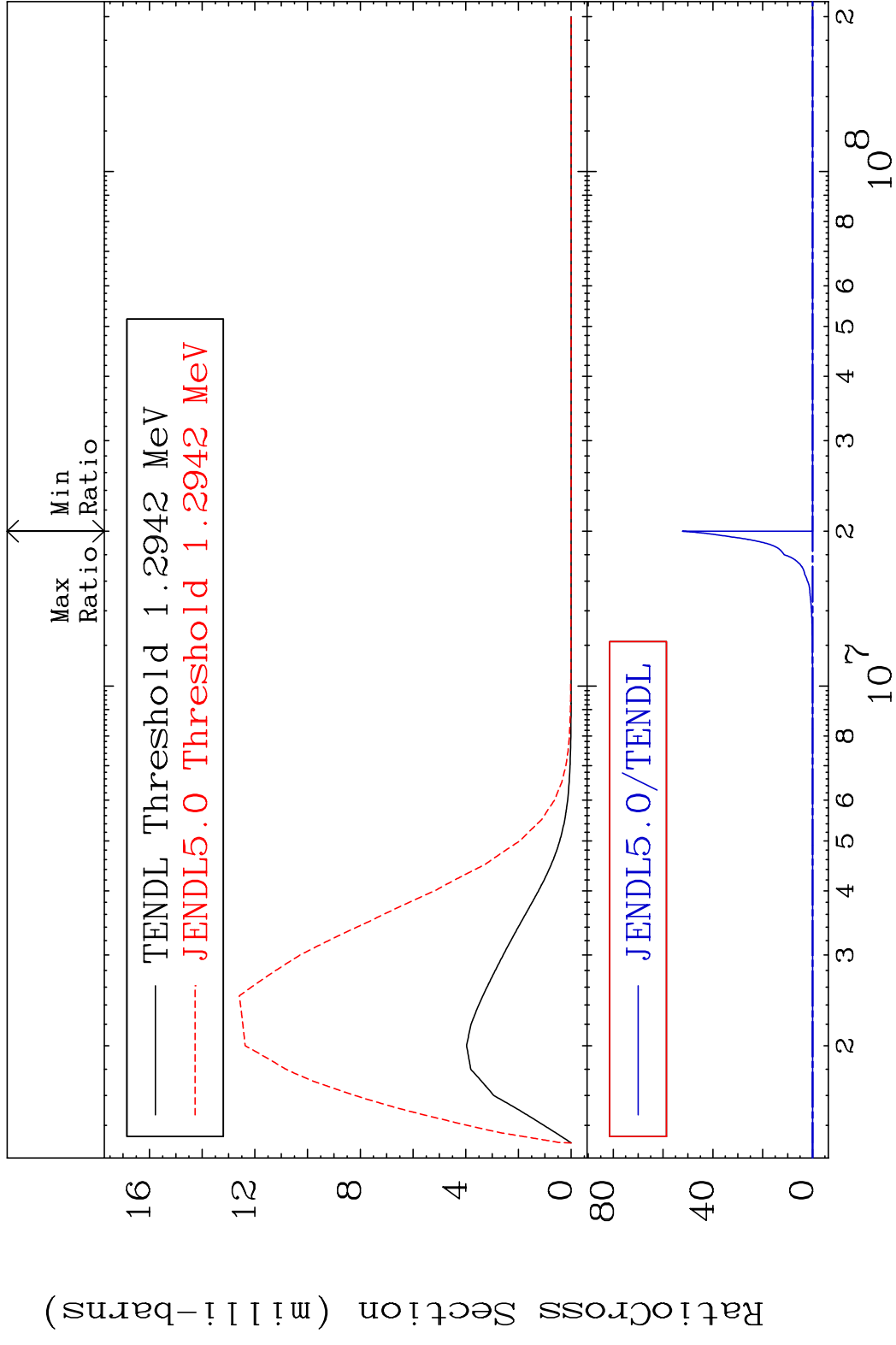
MAT 3634 MT= 71 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 220.8 %



MAT 3634 MT= 72 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

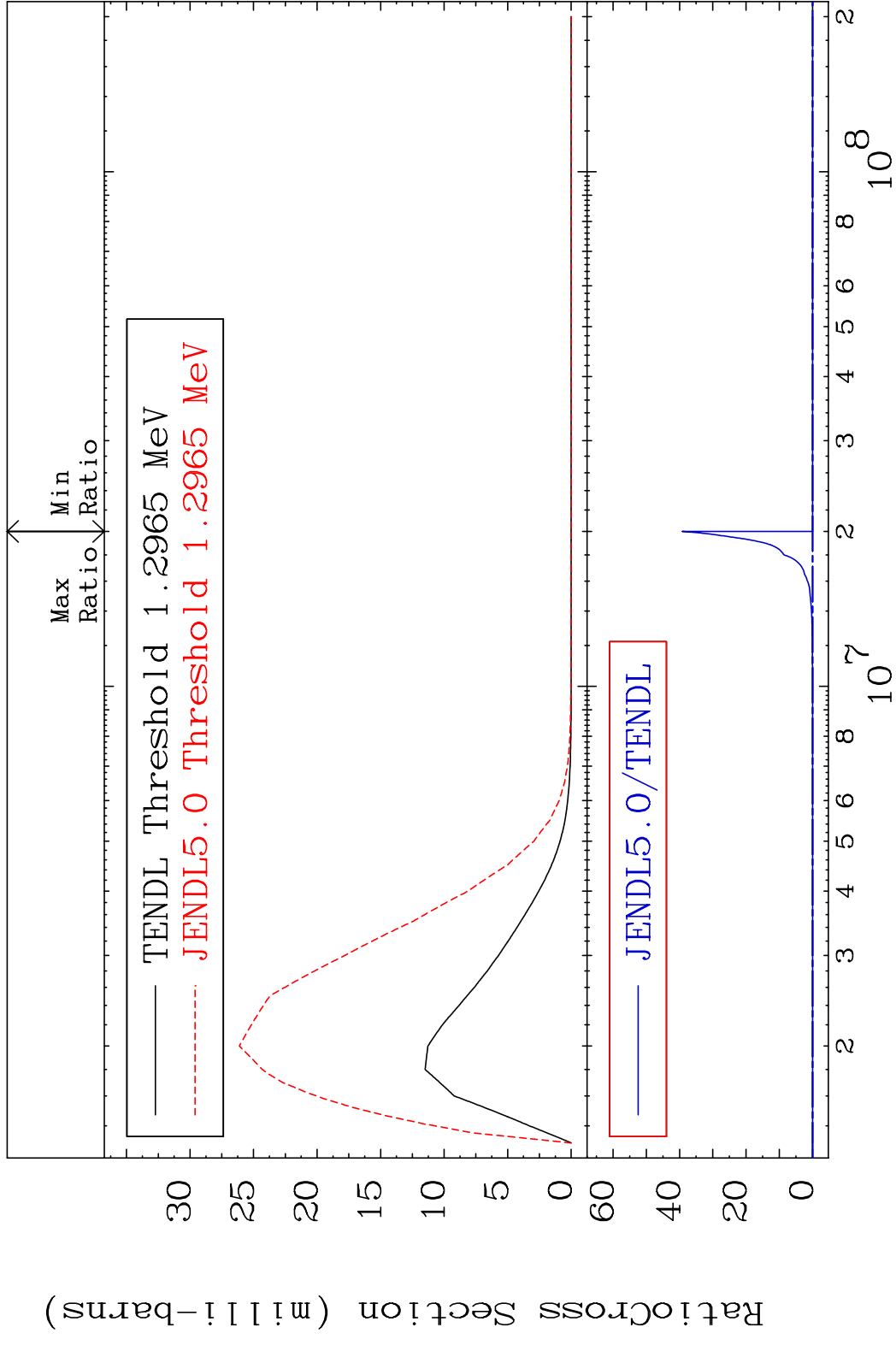


MAT 3634 MT= 73 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

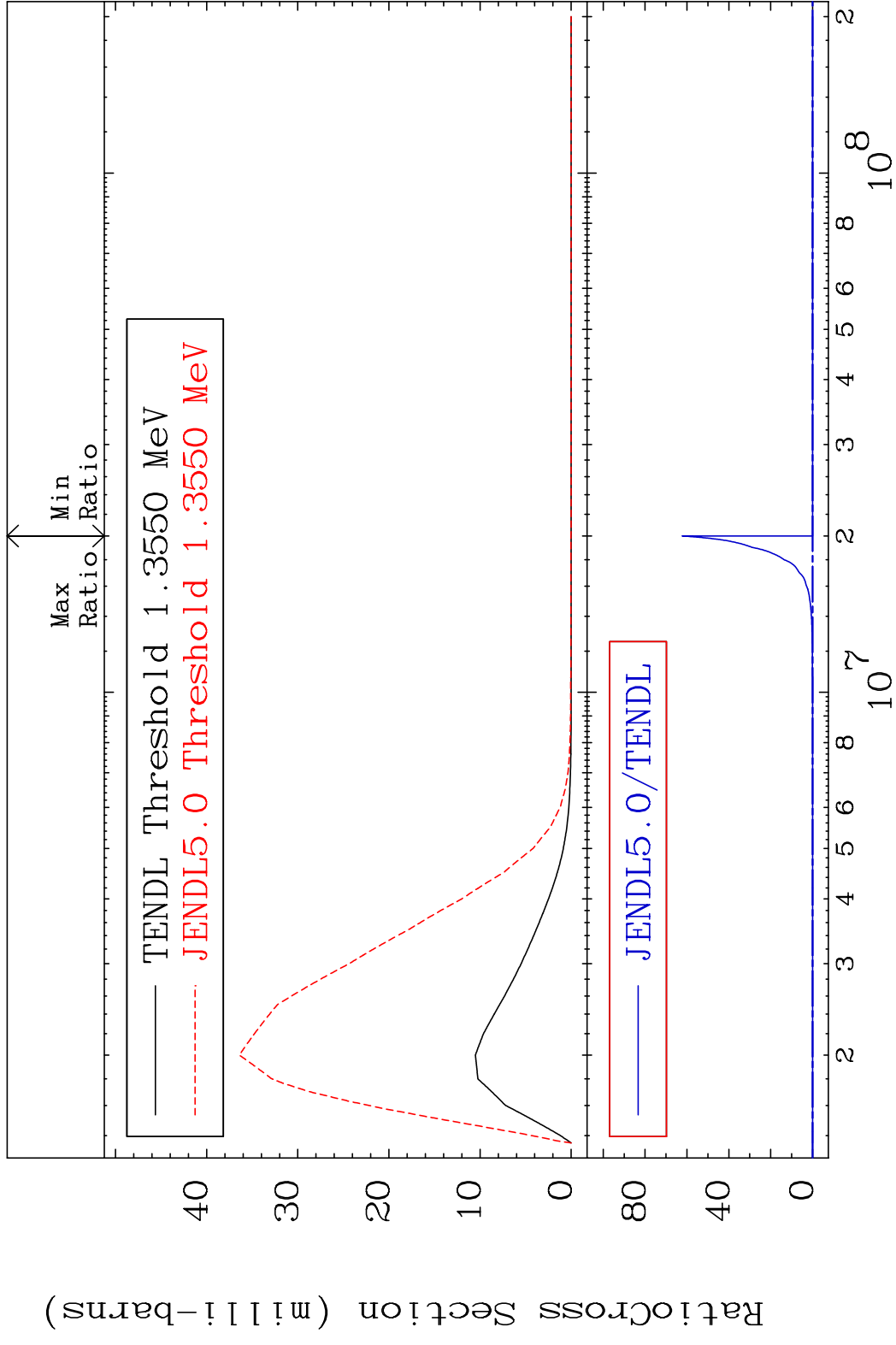


33 Incident Energy (eV) 36-Kr-81

MAT 3634 MT= 74 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

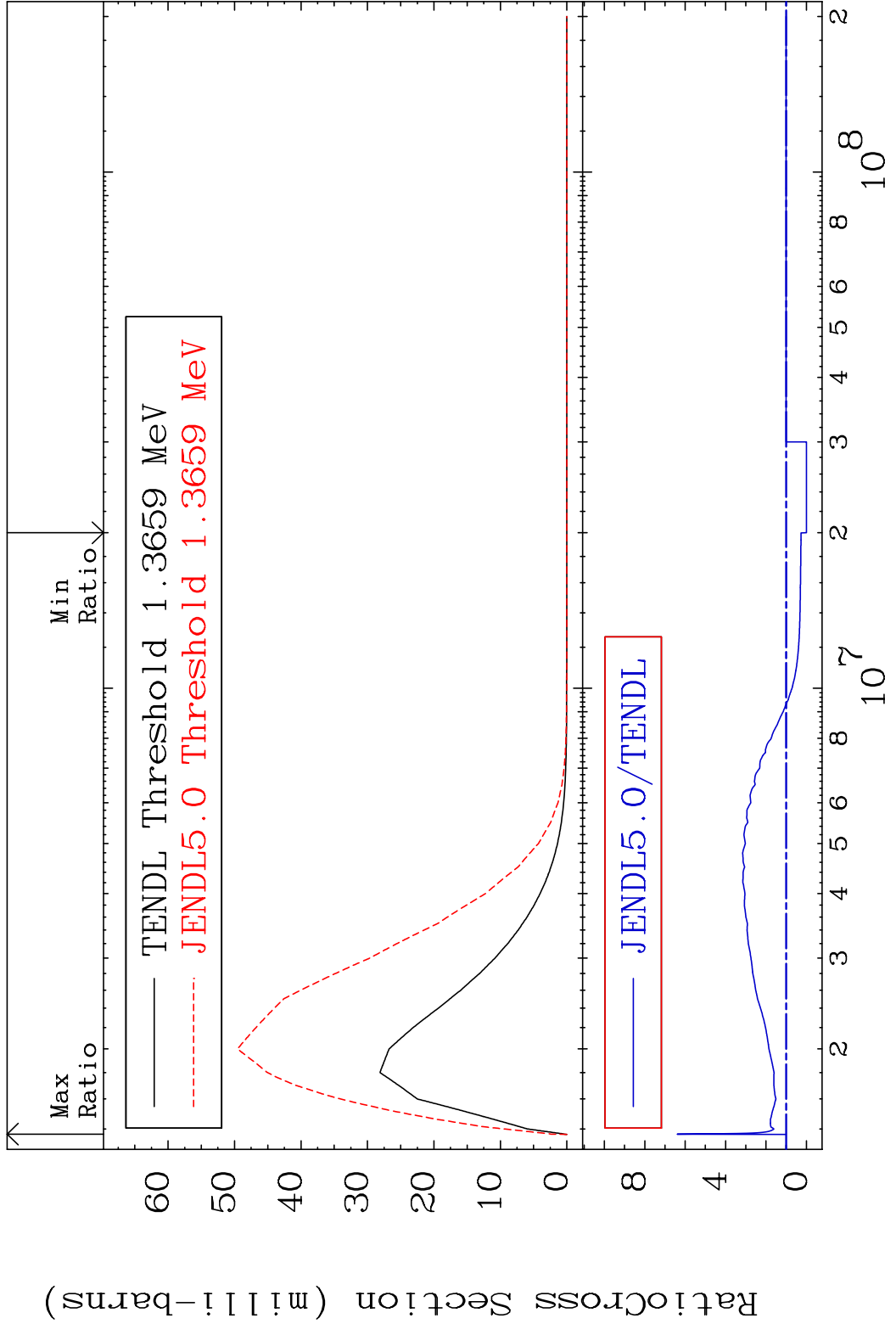


MAT 3634 MT= 75 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %

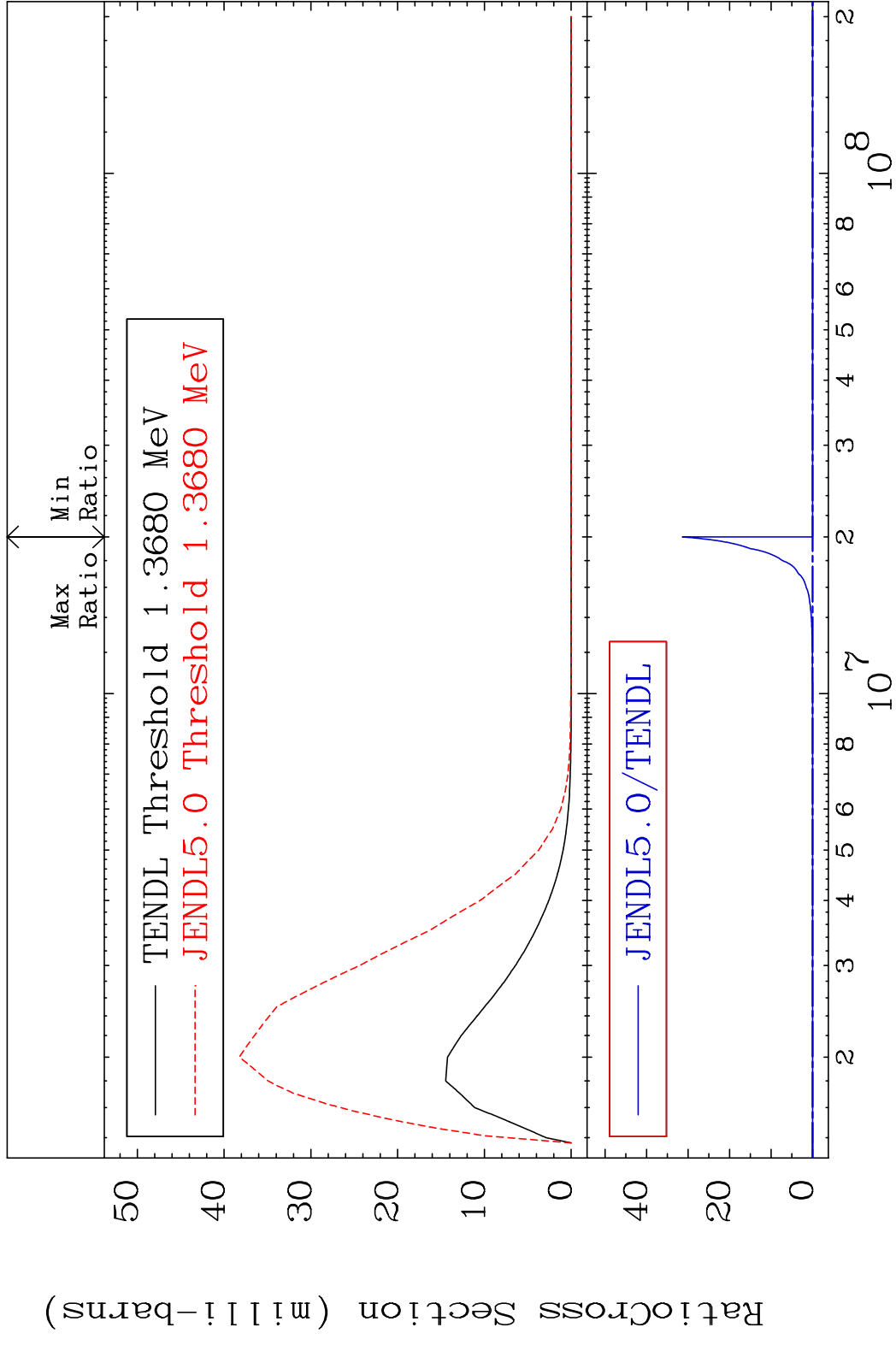


35 36-Kr-81

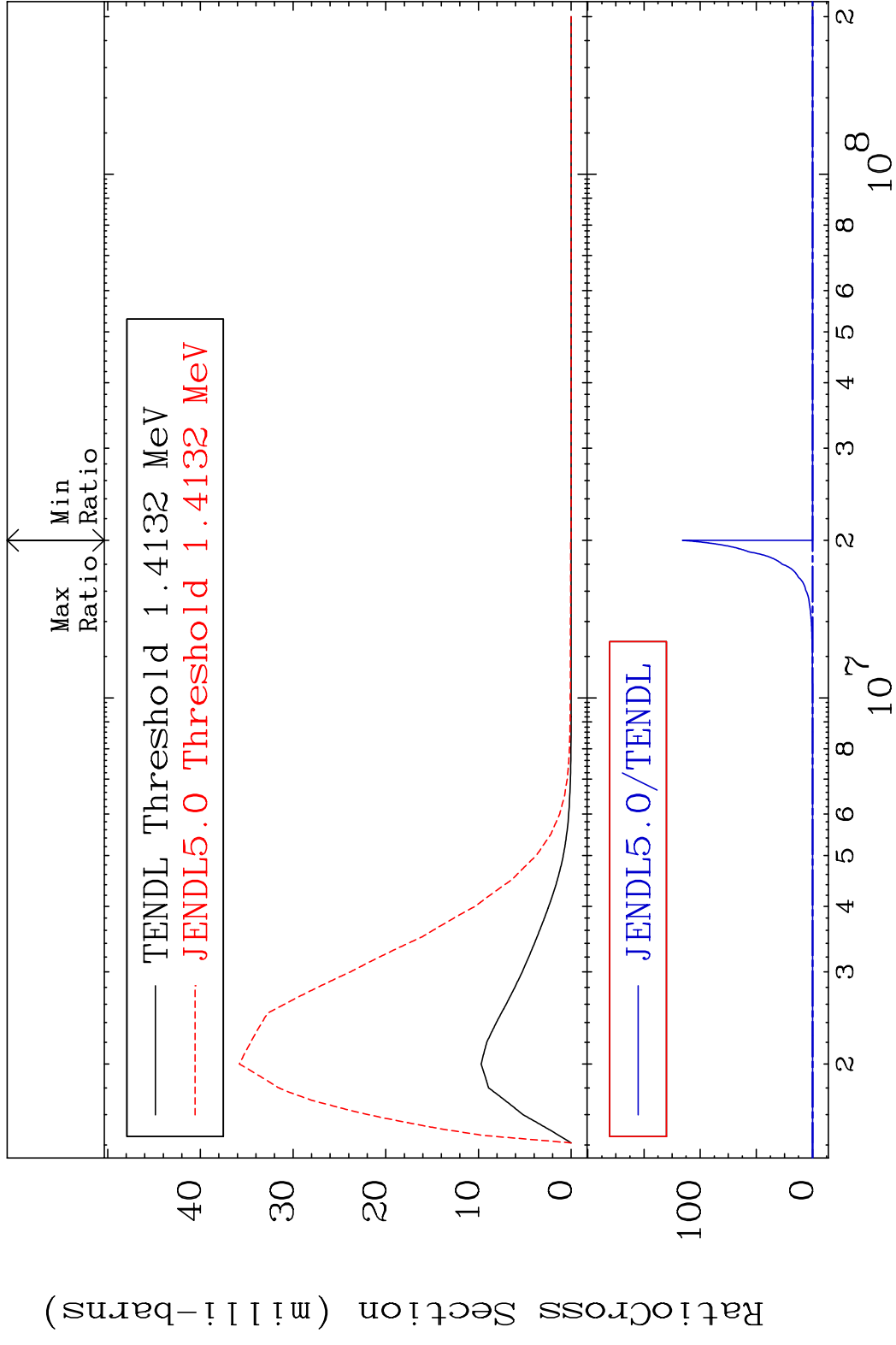
MAT 3634 MT= 76 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 539.5 %



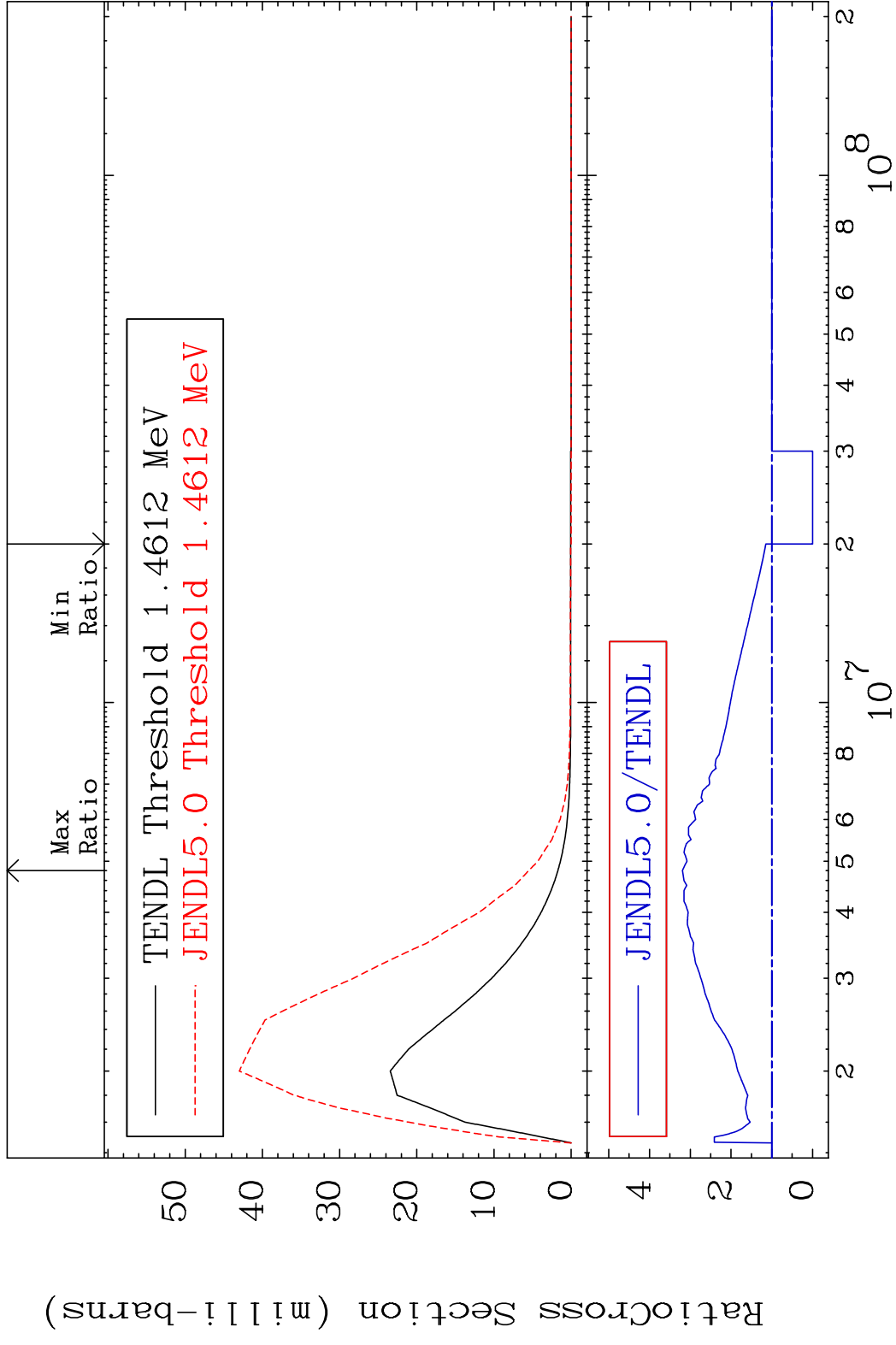
MAT 3634 MT= 77 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



MAT 3634 MT= 78 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 9999. %



MAT 3634 MT= 79 (n, n') Level 36-Kr-81
 Cross Section -100.0 To 219.4 %

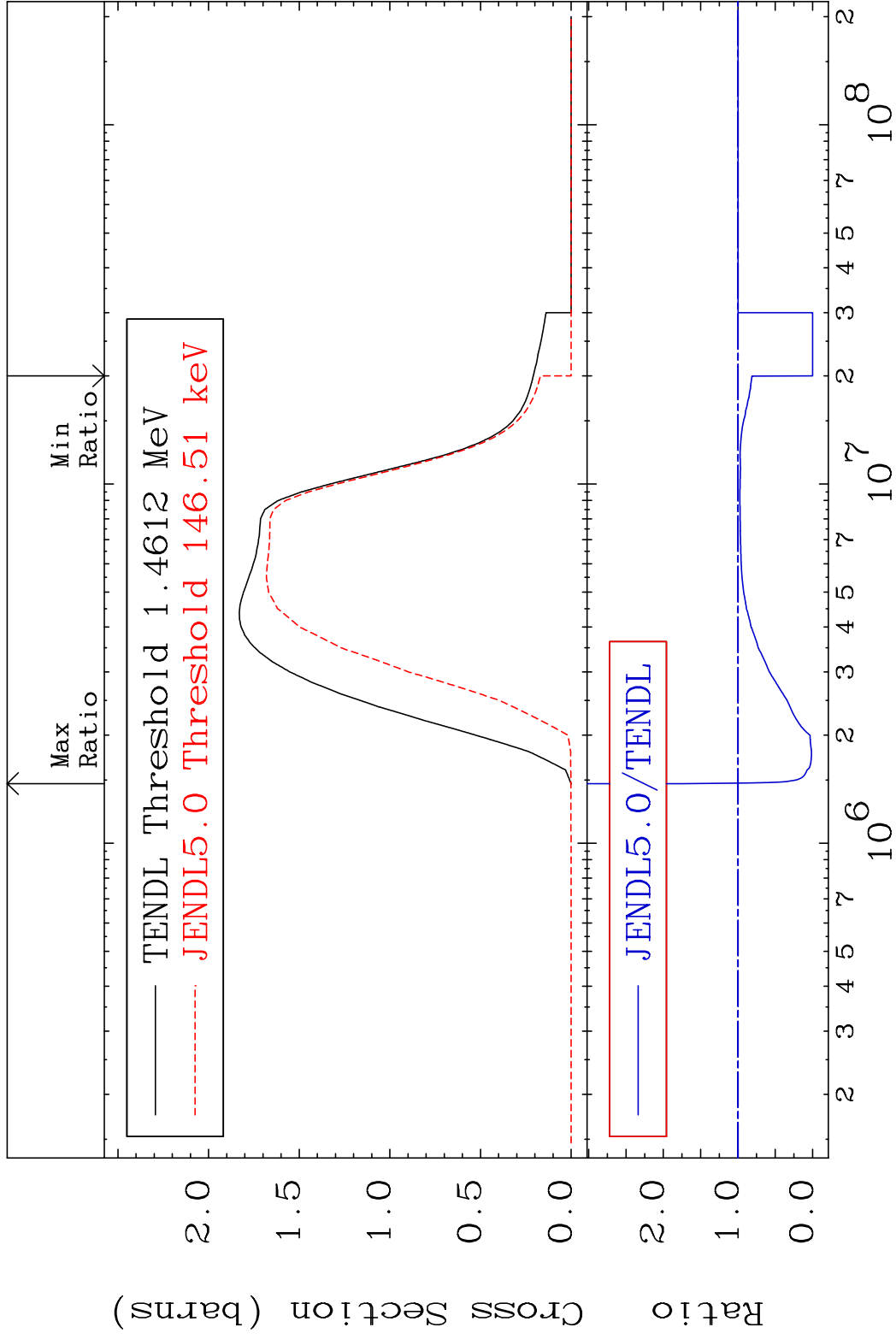


MAT 3634

(n, n') Continuum

36-Kr-81

Cross Section -100.0 To 74.51 %



40

Incident Energy (eV)

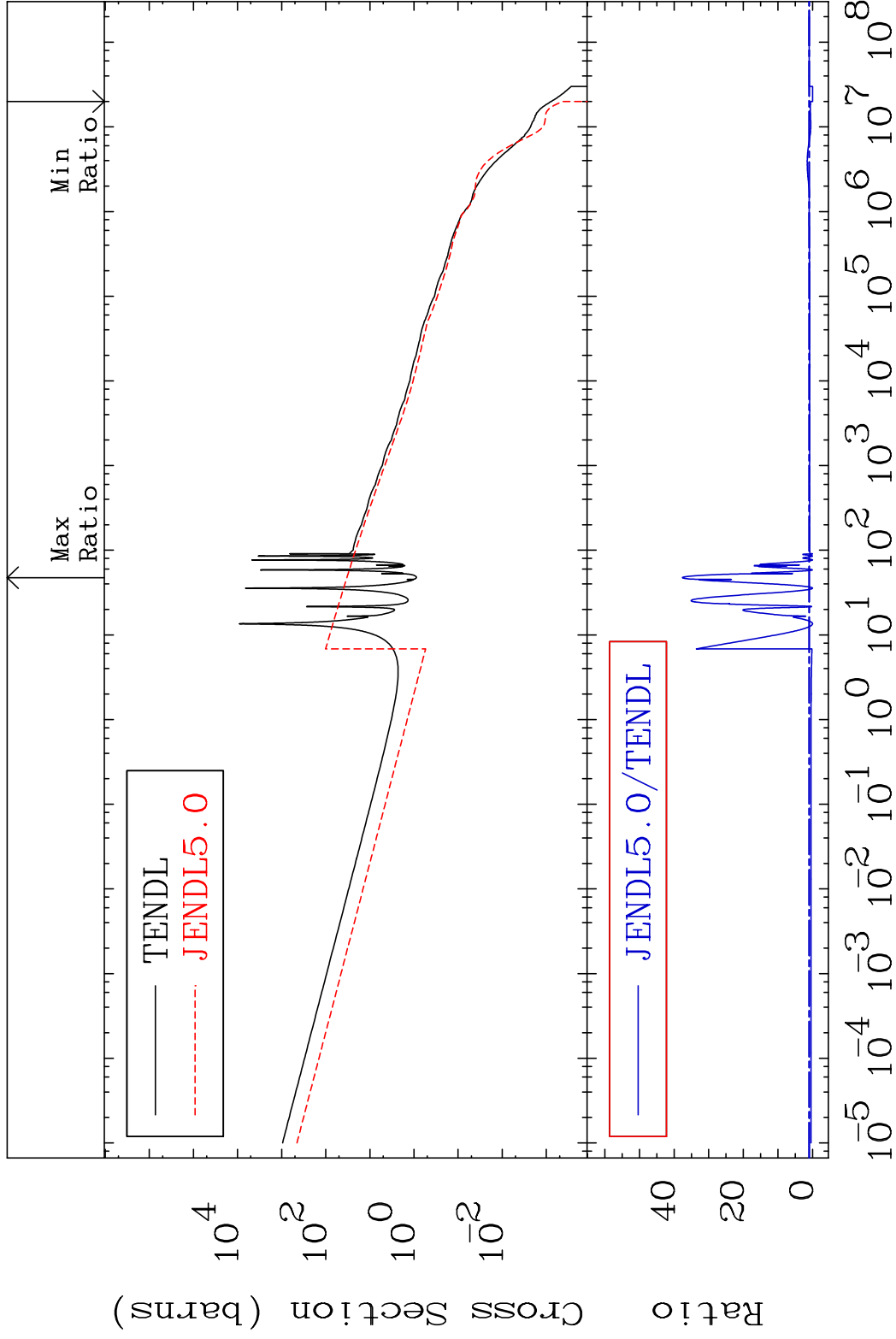
36-Kr-81

MAT 3634

(n, γ)

36-Kr-81

Cross Section -100.0 To 3662. %



41

Incident Energy (eV)

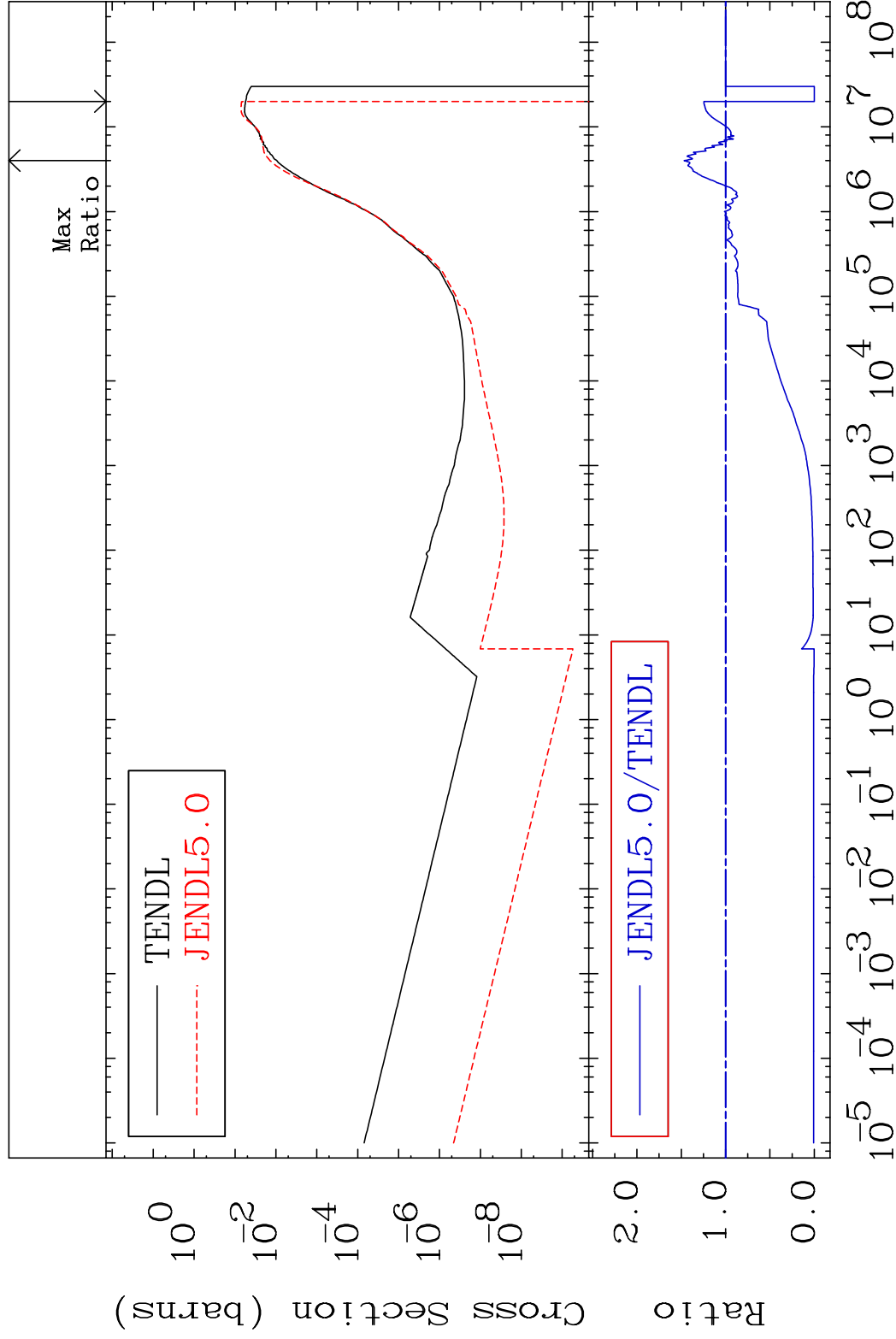
36-Kr-81

MAT 3634

(n, p)

36-Kr-81

Cross Section -100.0 To 46.86 %



42

Incident Energy (eV)

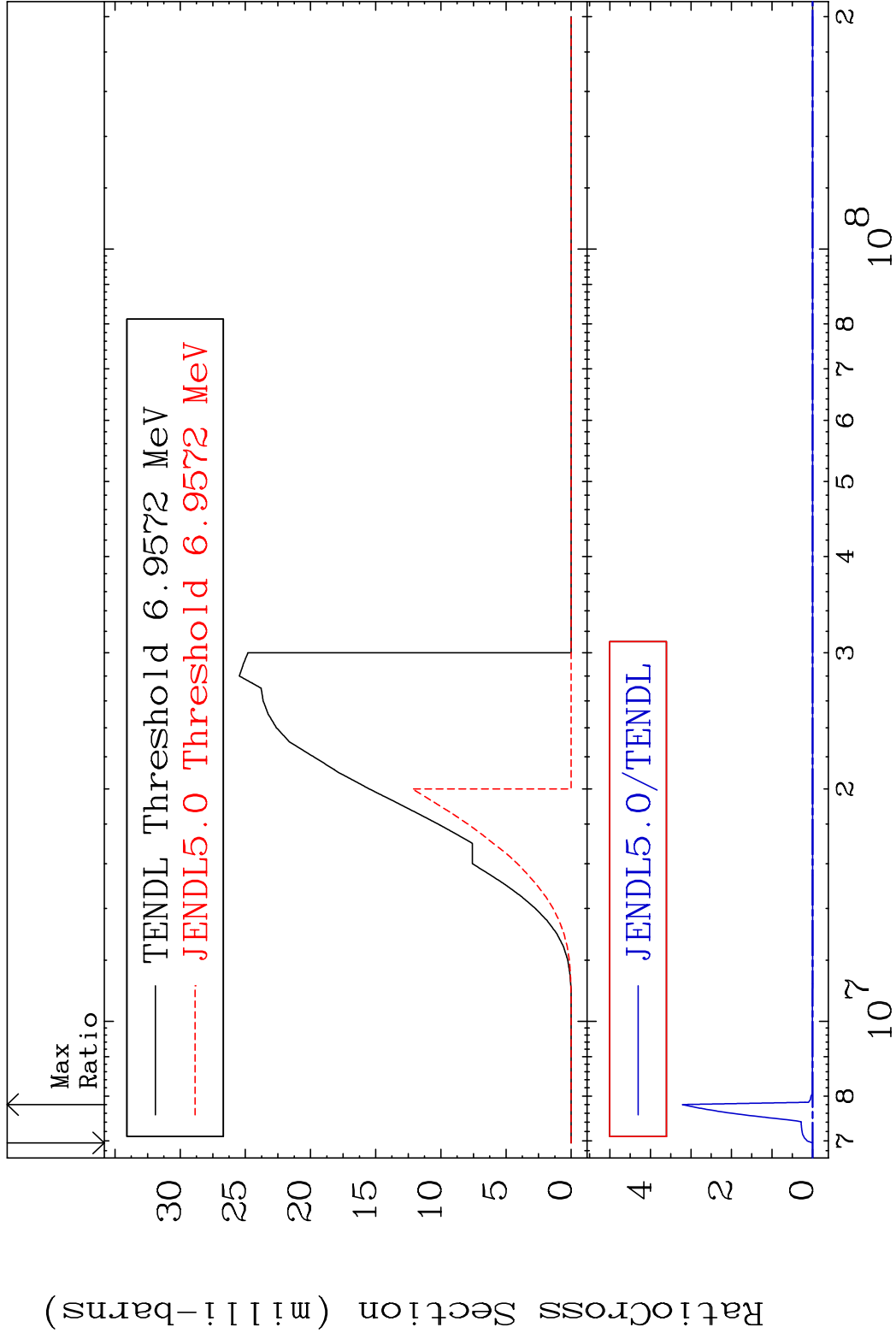
36-Kr-81

MAT 3634

(n,d)

36-Kr-81

Cross Section -100.0 To 9999. %

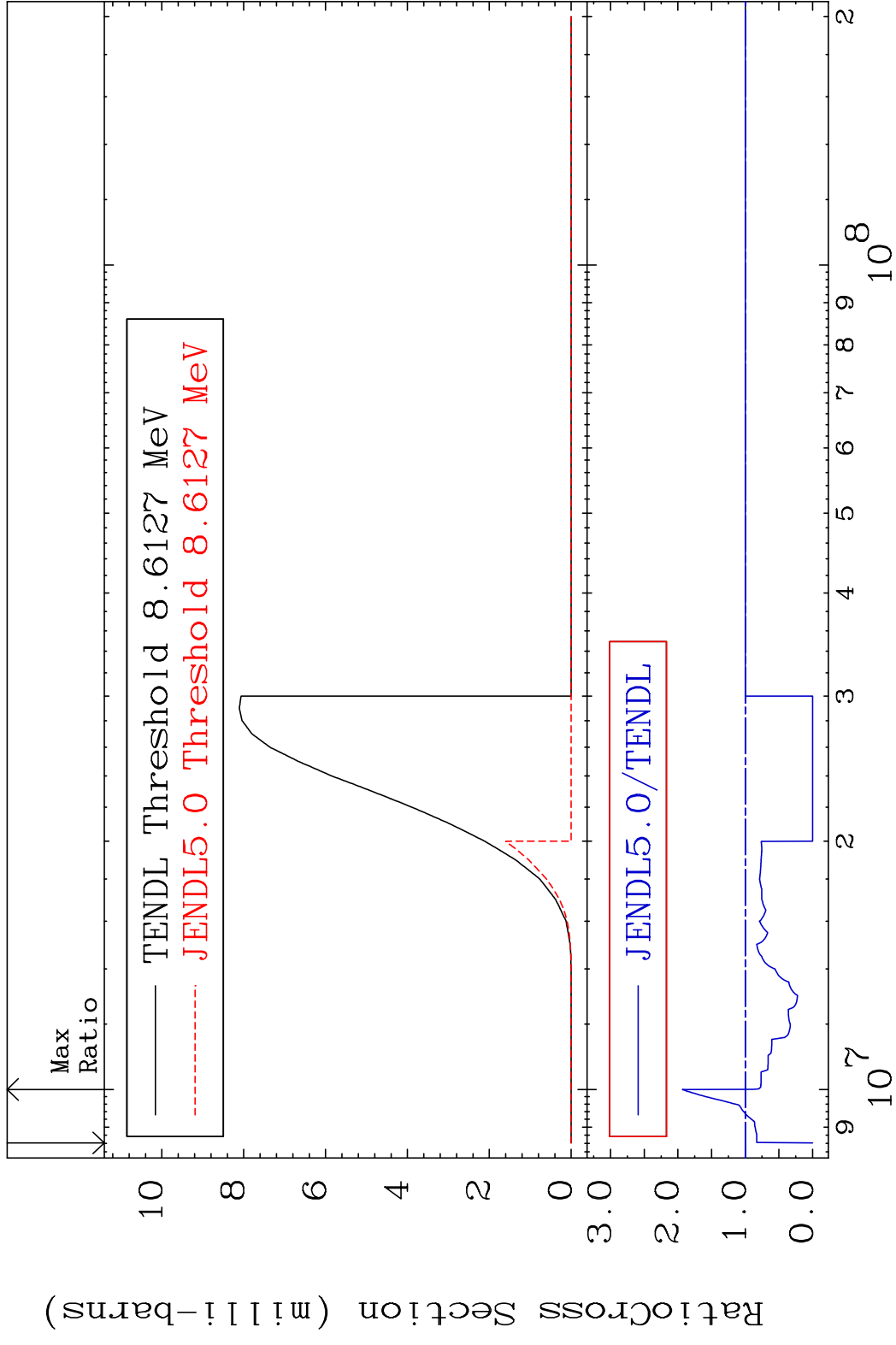


43

Incident Energy (eV)

36-Kr-81

MAT 3634 (n, t) 36-Kr-81
 Cross Section -100.0 To 93.41 %



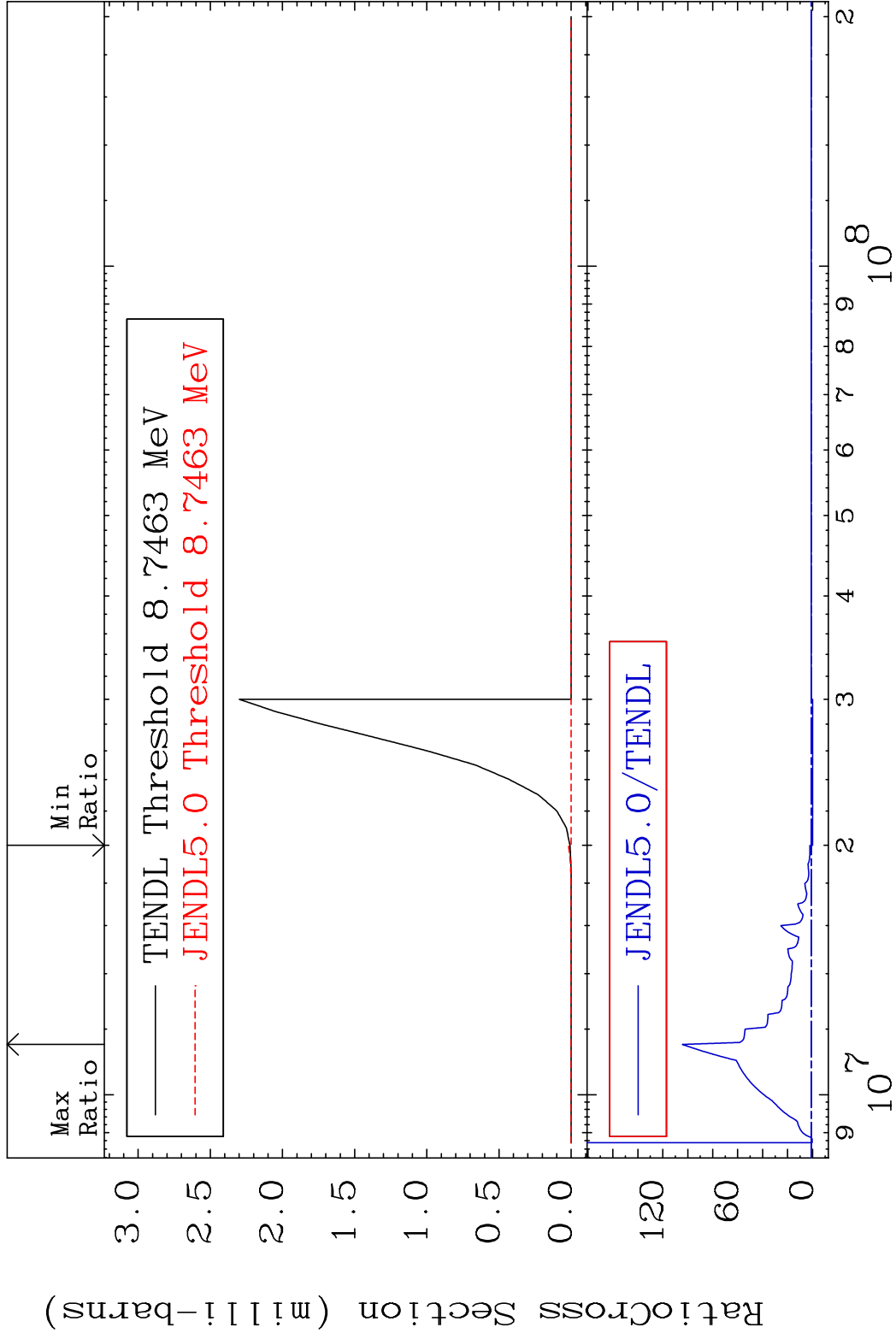
44 Incident Energy (eV) 36-Kr-81

MAT 3634

(n, He-3)

36-Kr-81

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

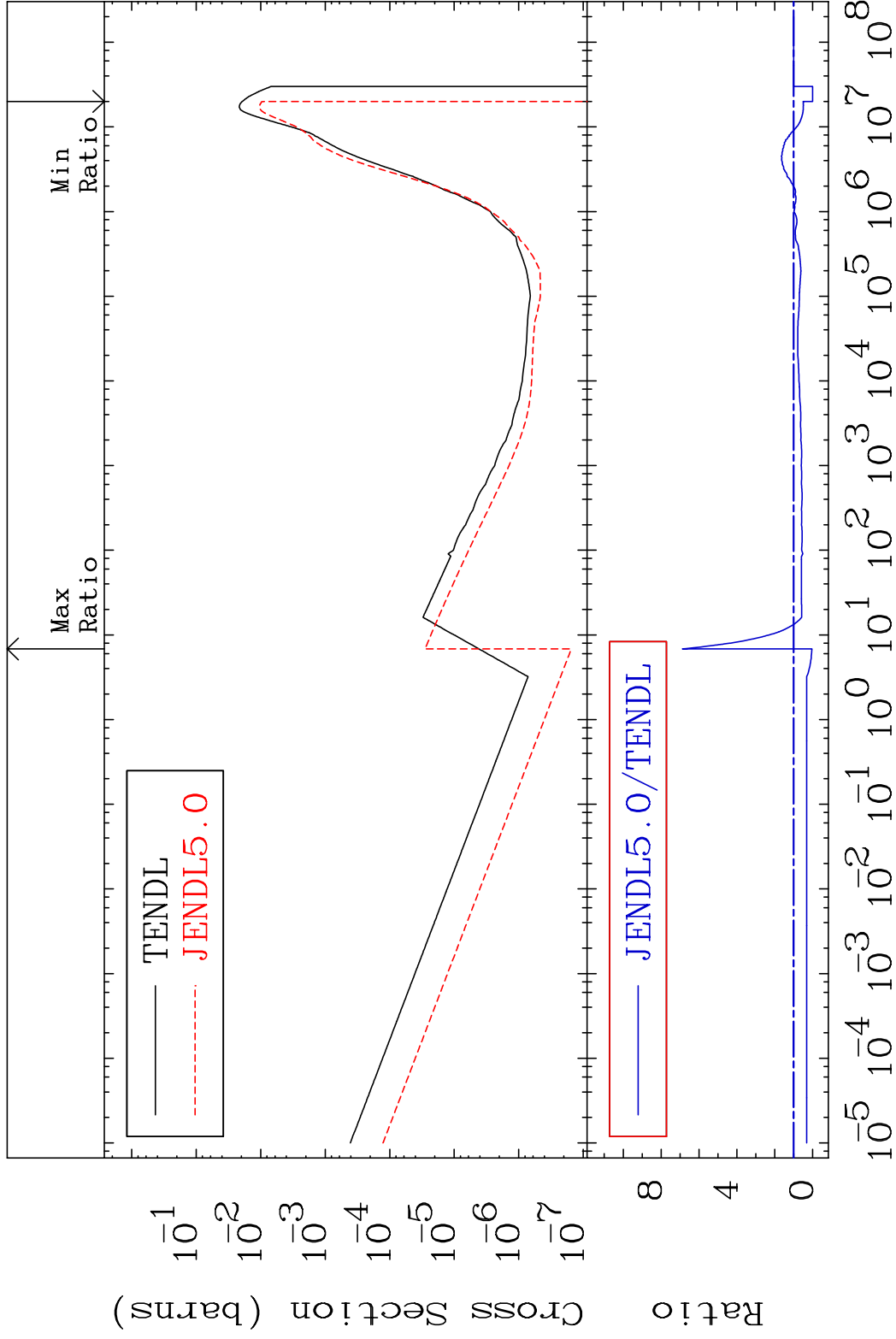
36-Kr-81

MAT 3634

(n, α)

36-Kr-81

Cross Section -100.0 To 587.7 %

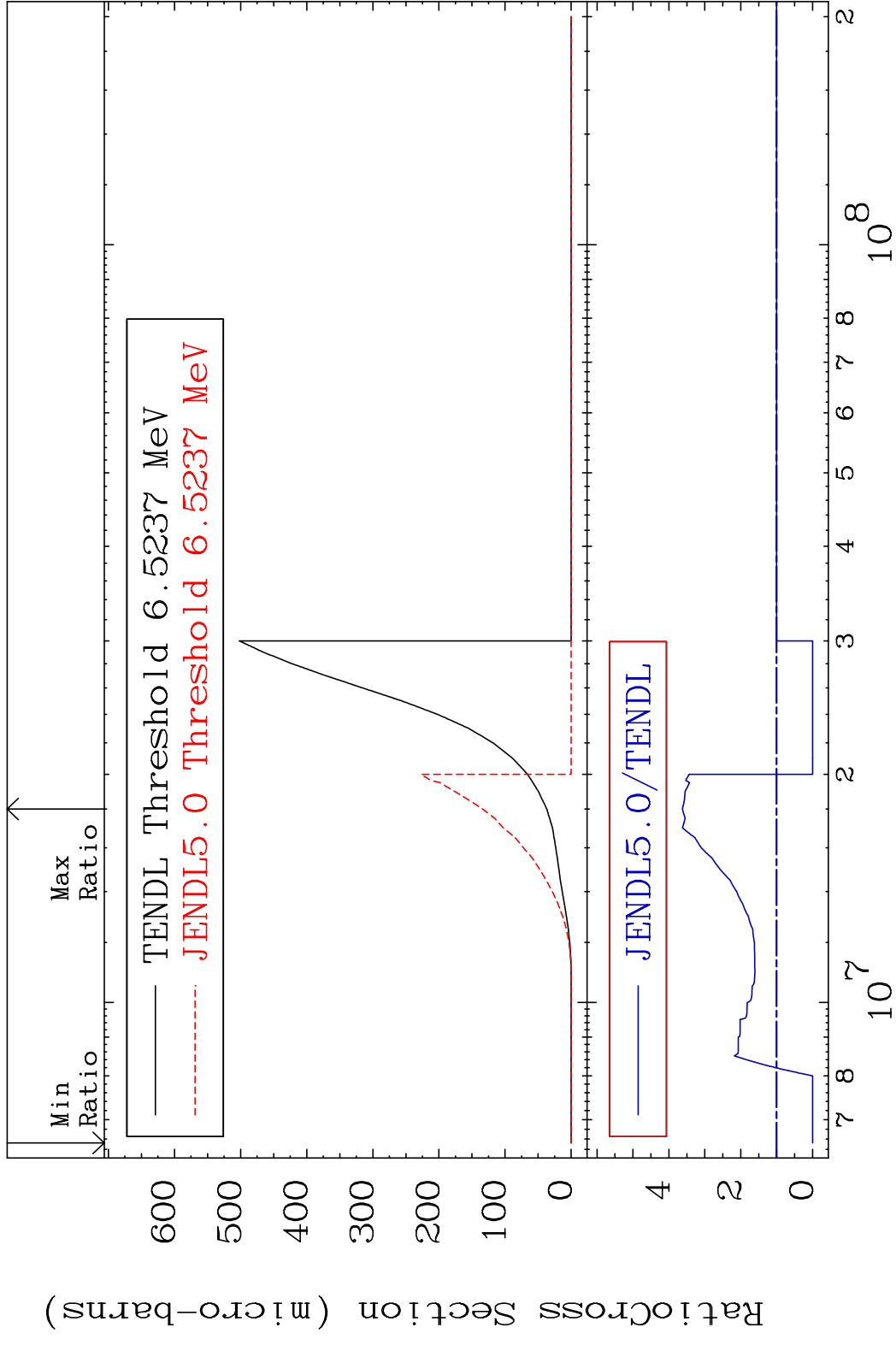


46

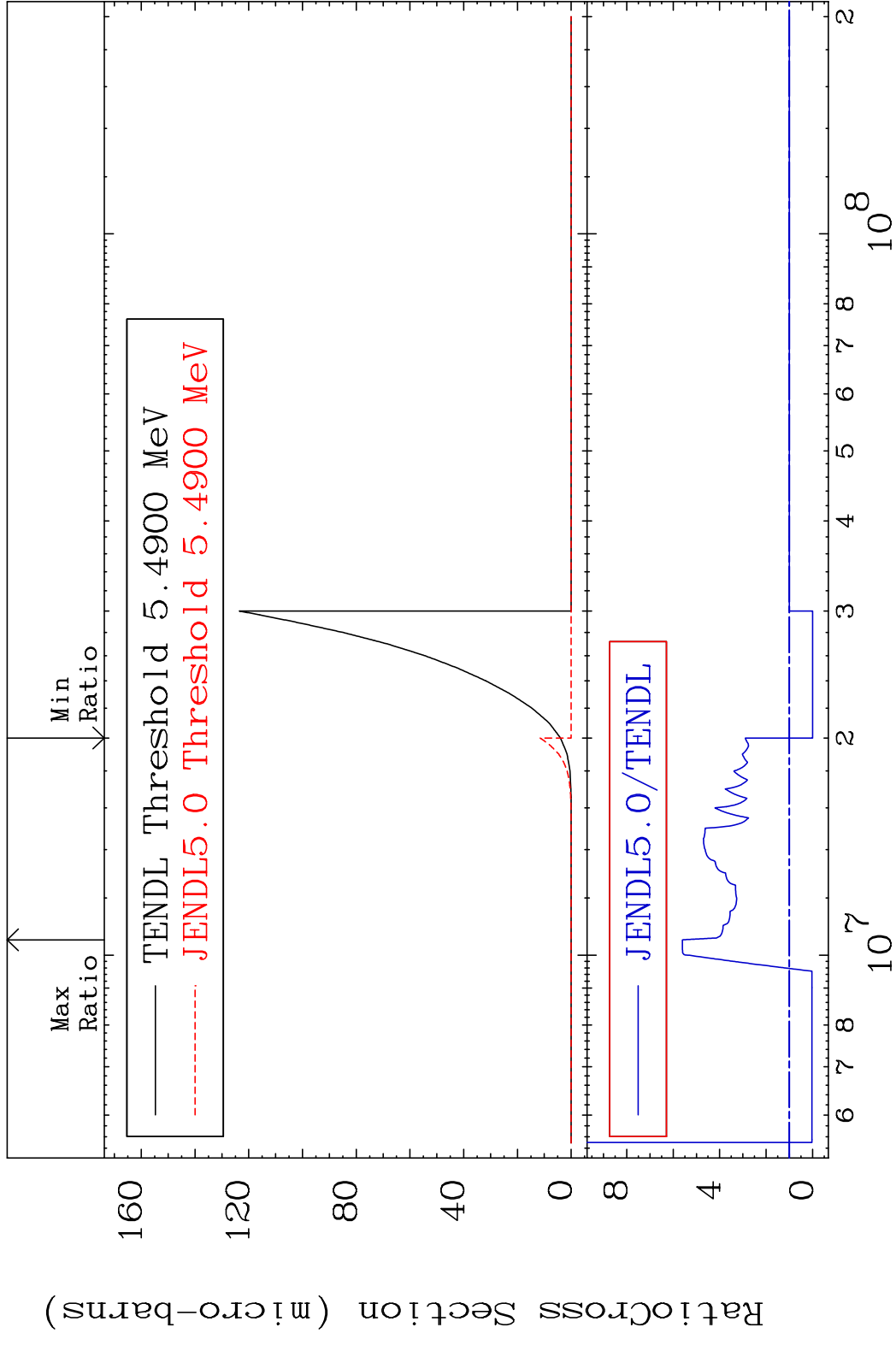
Incident Energy (eV)

36-Kr-81

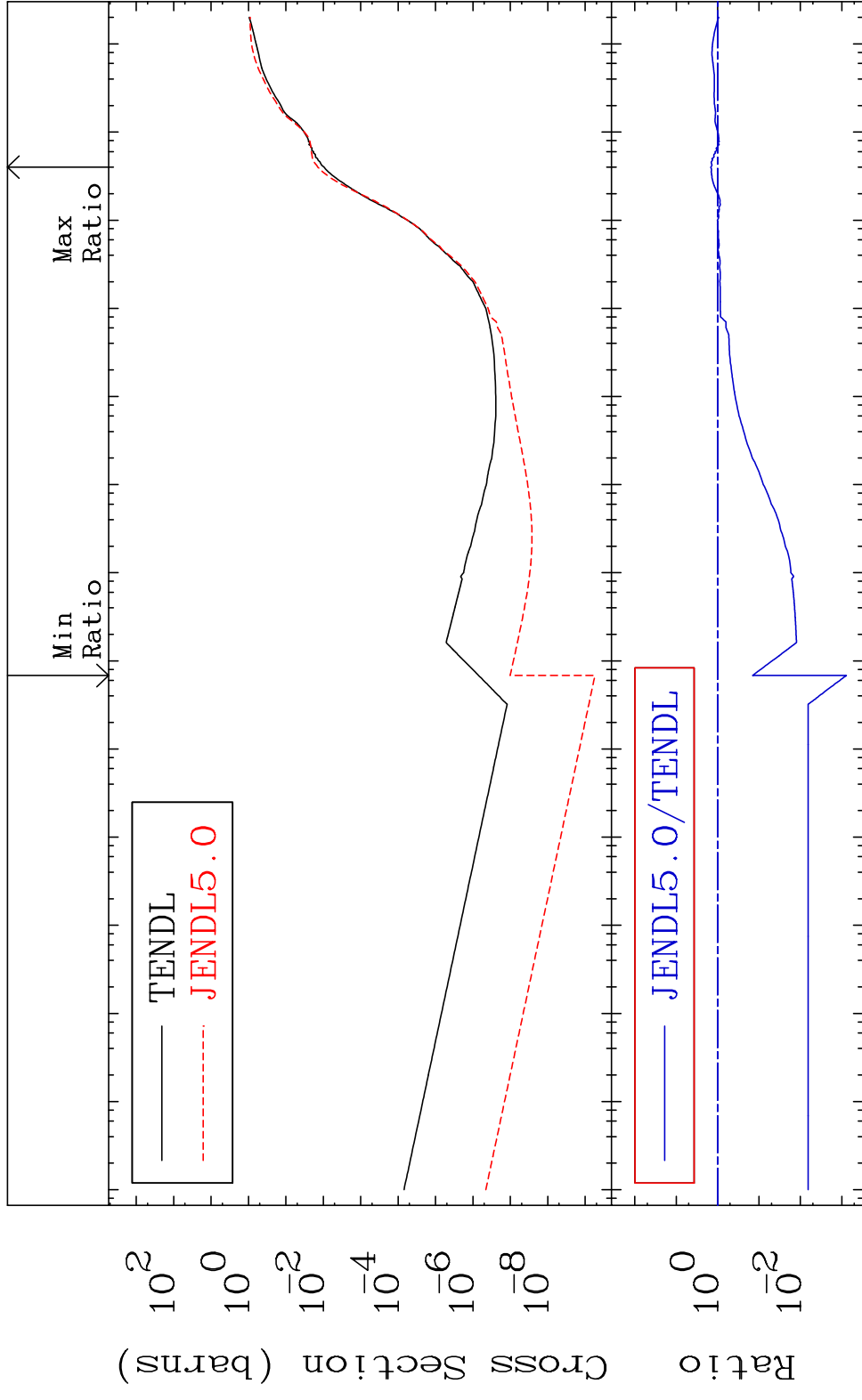
MAT 3634 (n,2p) 36-Kr-81
 Cross Section -100.0 To 262.5 %



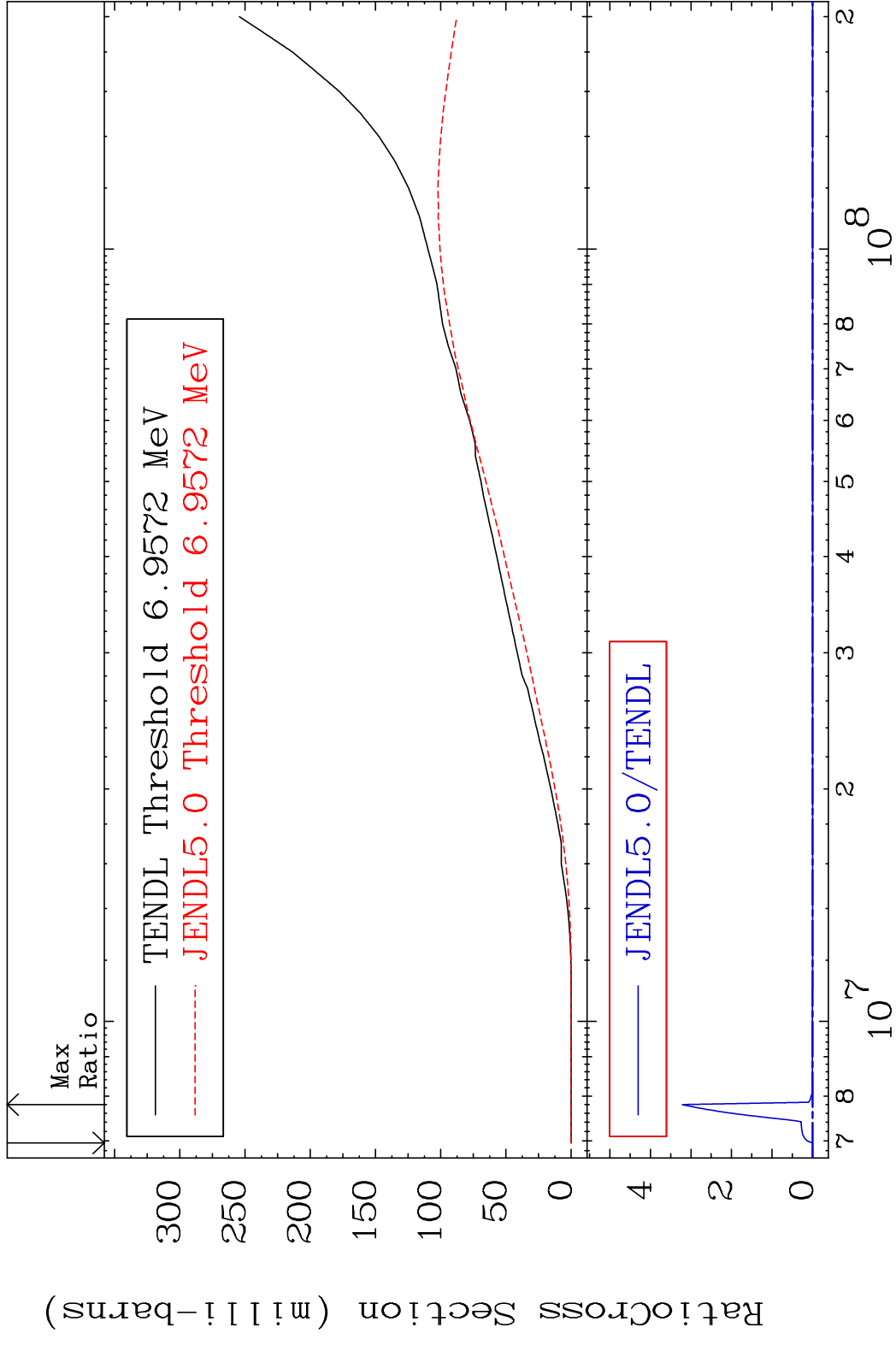
MAT 3634 (n,p) α 36-Kr-81
 Cross Section -100.0 To 460.6 %



MAT 3634 Hydrogen Production 36-Kr-81
 Cross Section -99.92 To 46.86 %

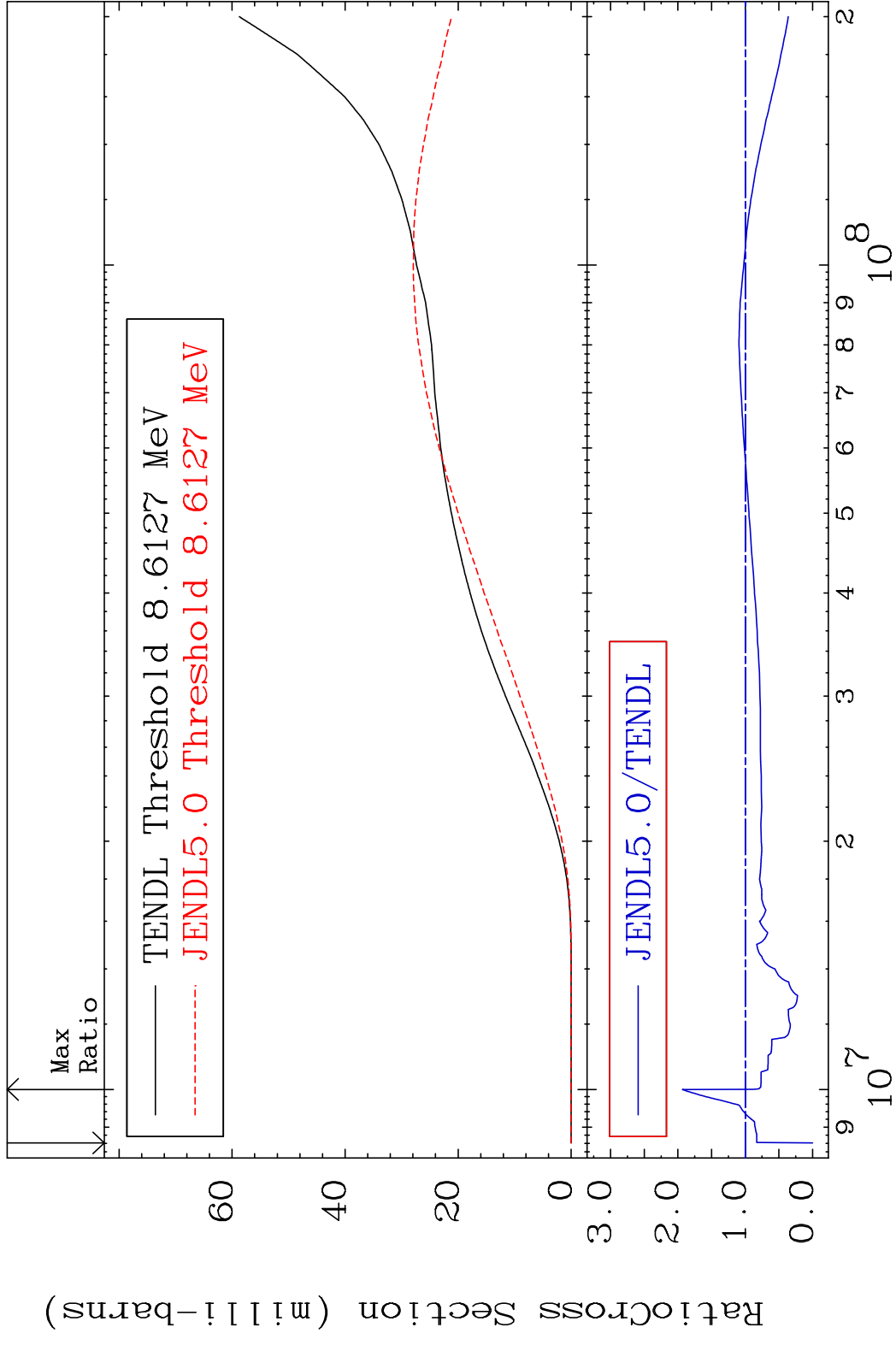


MAT 3634 Deuterium Production 36-Kr-81
 Cross Section -100.0 To 9999. %

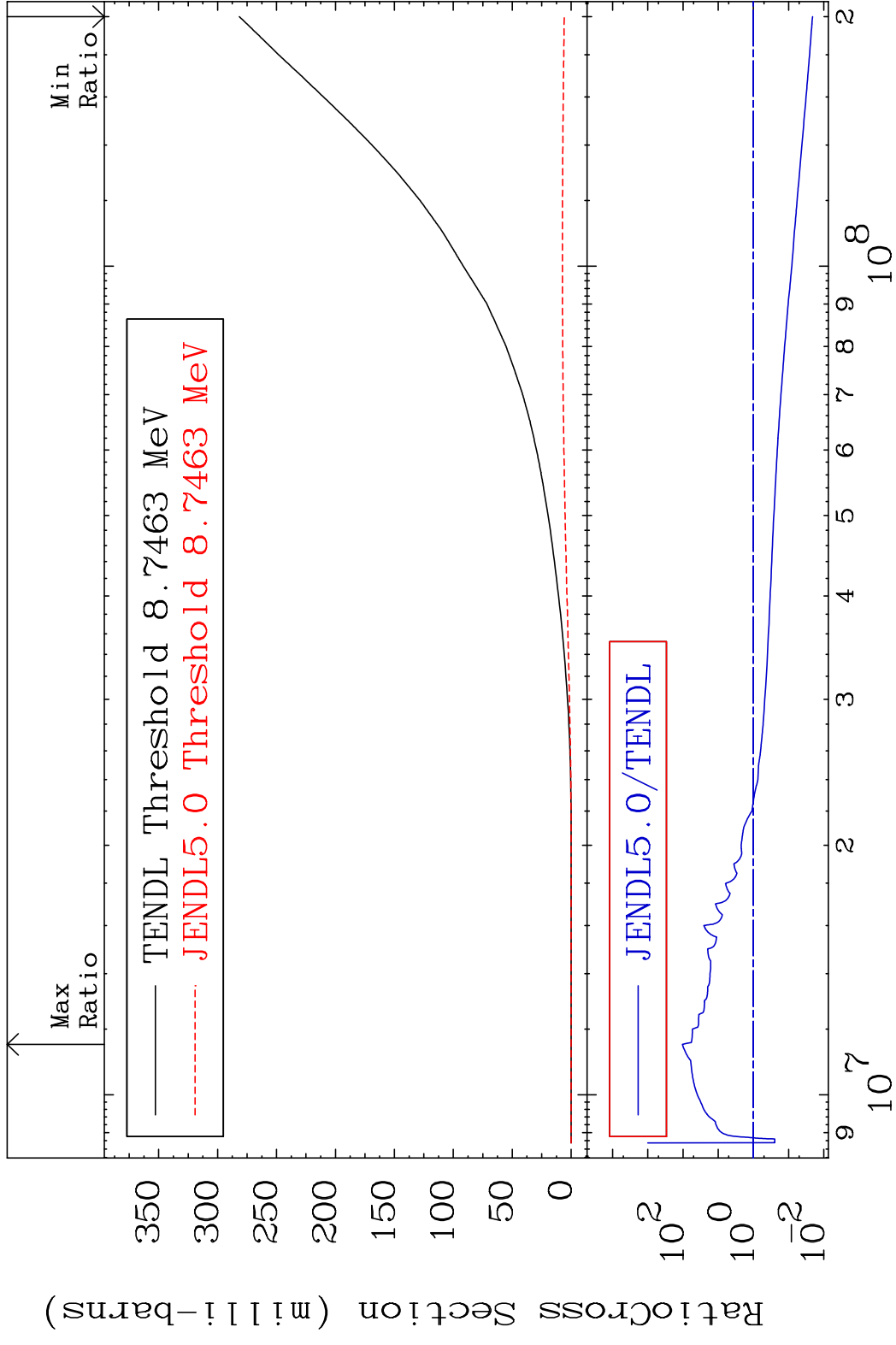


50 36-Kr-81

MAT 3634 Tritium Production 36-Kr-81
 Cross Section -100.0 To 93.41 %



MAT 3634 He-3 Production 36-Kr-81
 Cross Section -97.92 To 9999. %



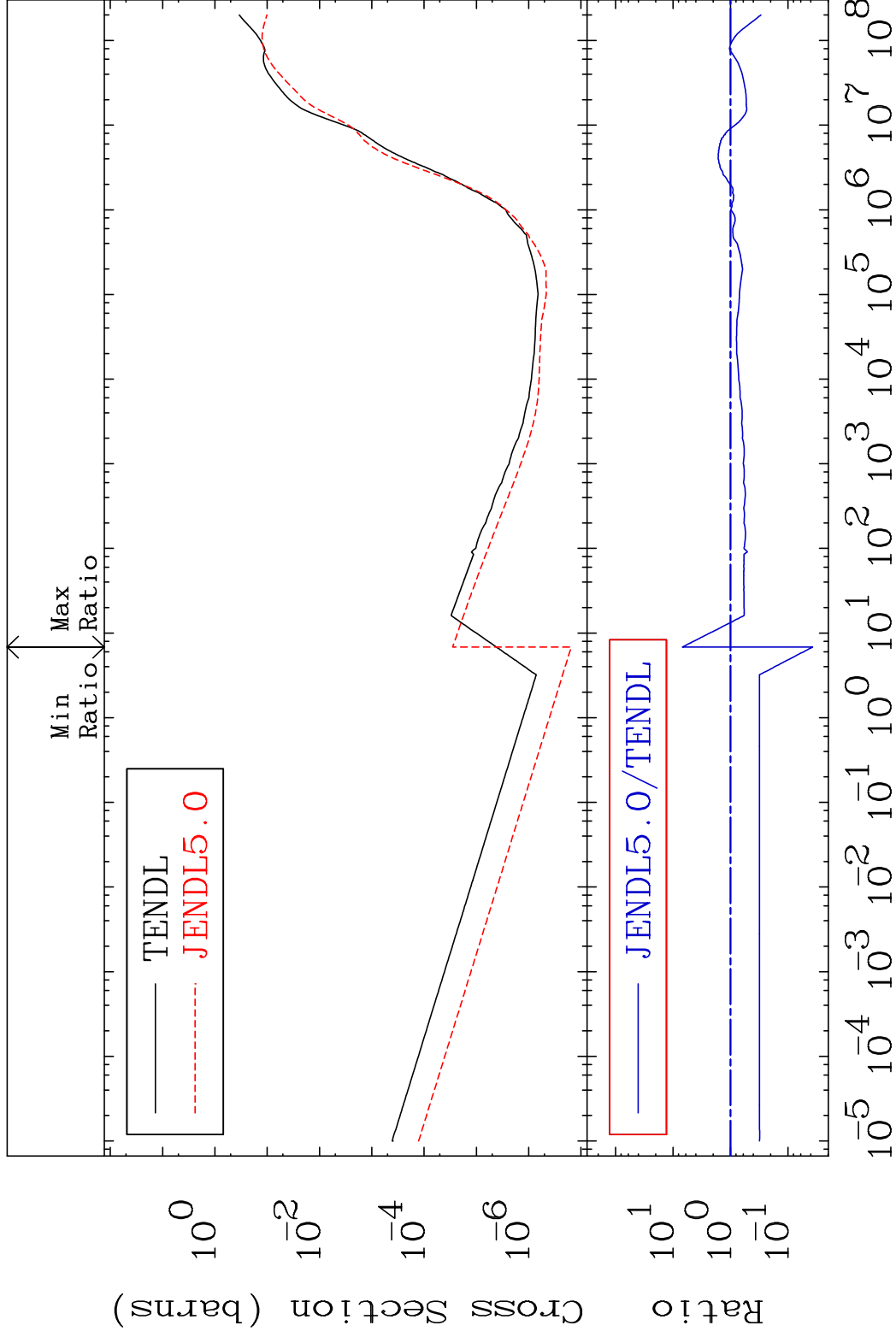
52 Incident Energy (eV) 36-Kr-81

MAT 3634

He-4 Production

36-Kr-81

Cross Section -96.28 To 587.7 %

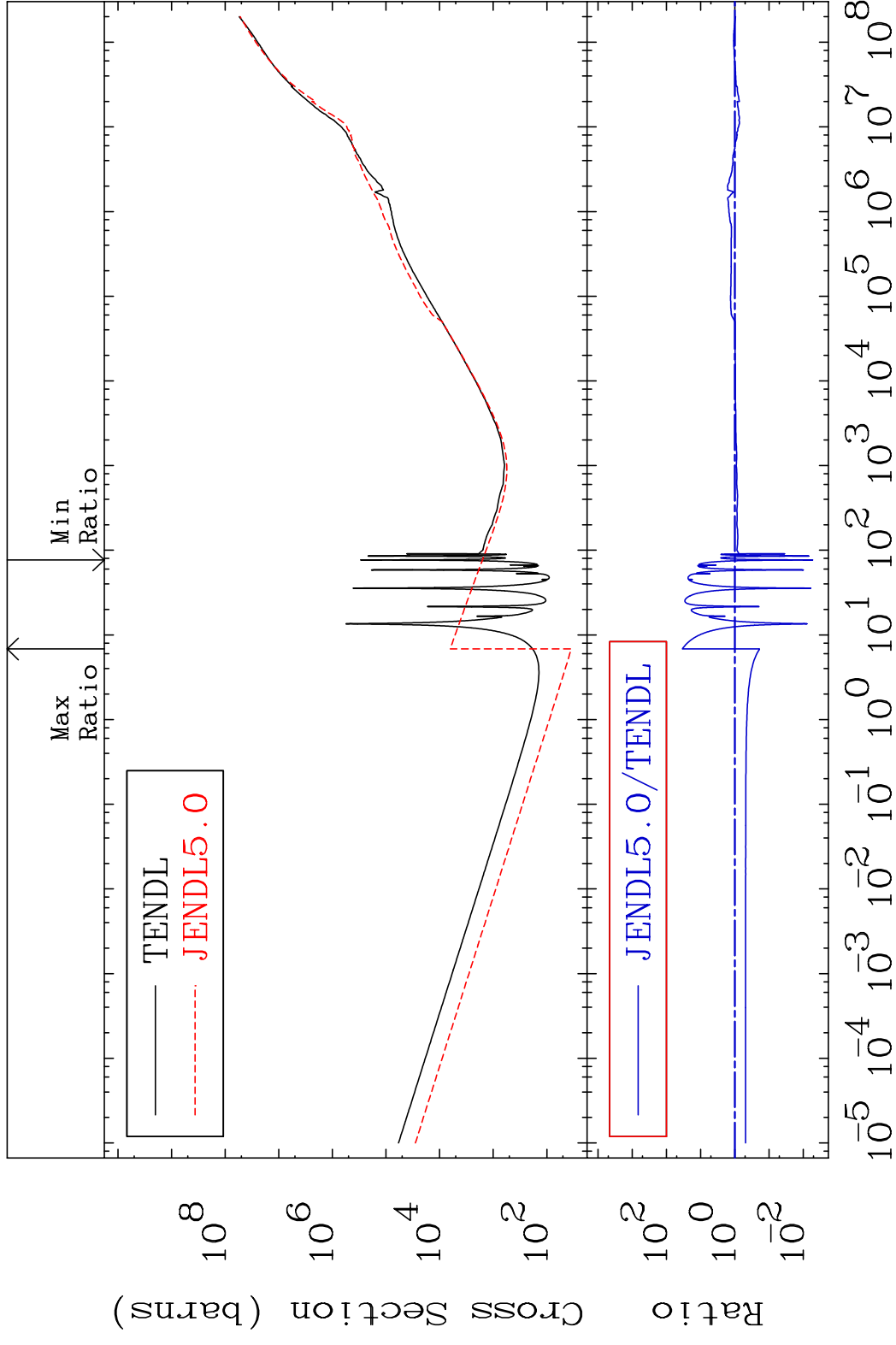


53

Incident Energy (eV)

36-Kr-81

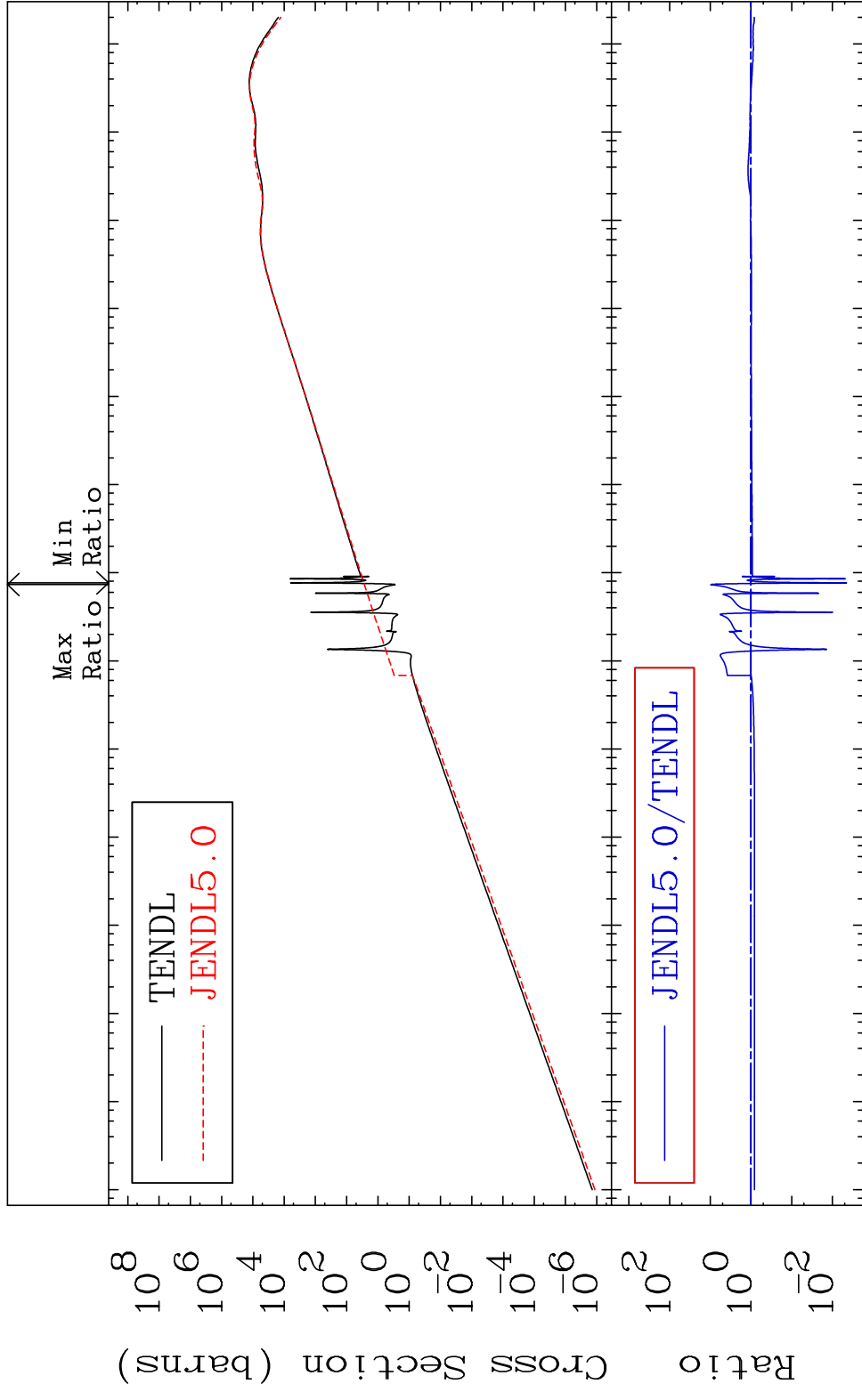
MAT 3634 Kerma total (eV-barns) 36-Kr-81
 Cross Section -99.46 To 3339. %



MAT 3634

Kerma elastic
Cross Section -99.55 To 876.1 %

36-Kr-81



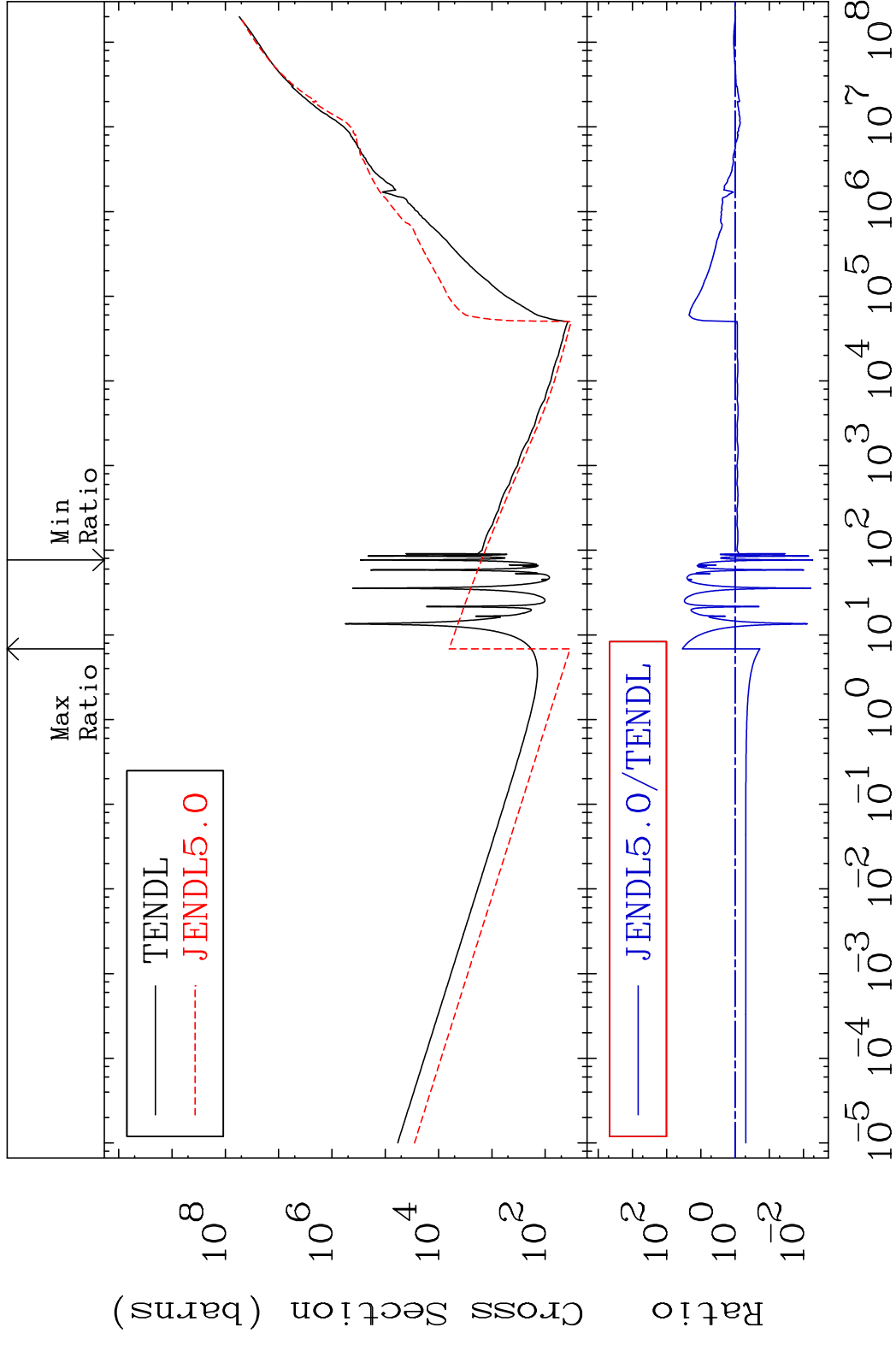
Ratio
Cross Section (barns)

55

Incident Energy (eV)

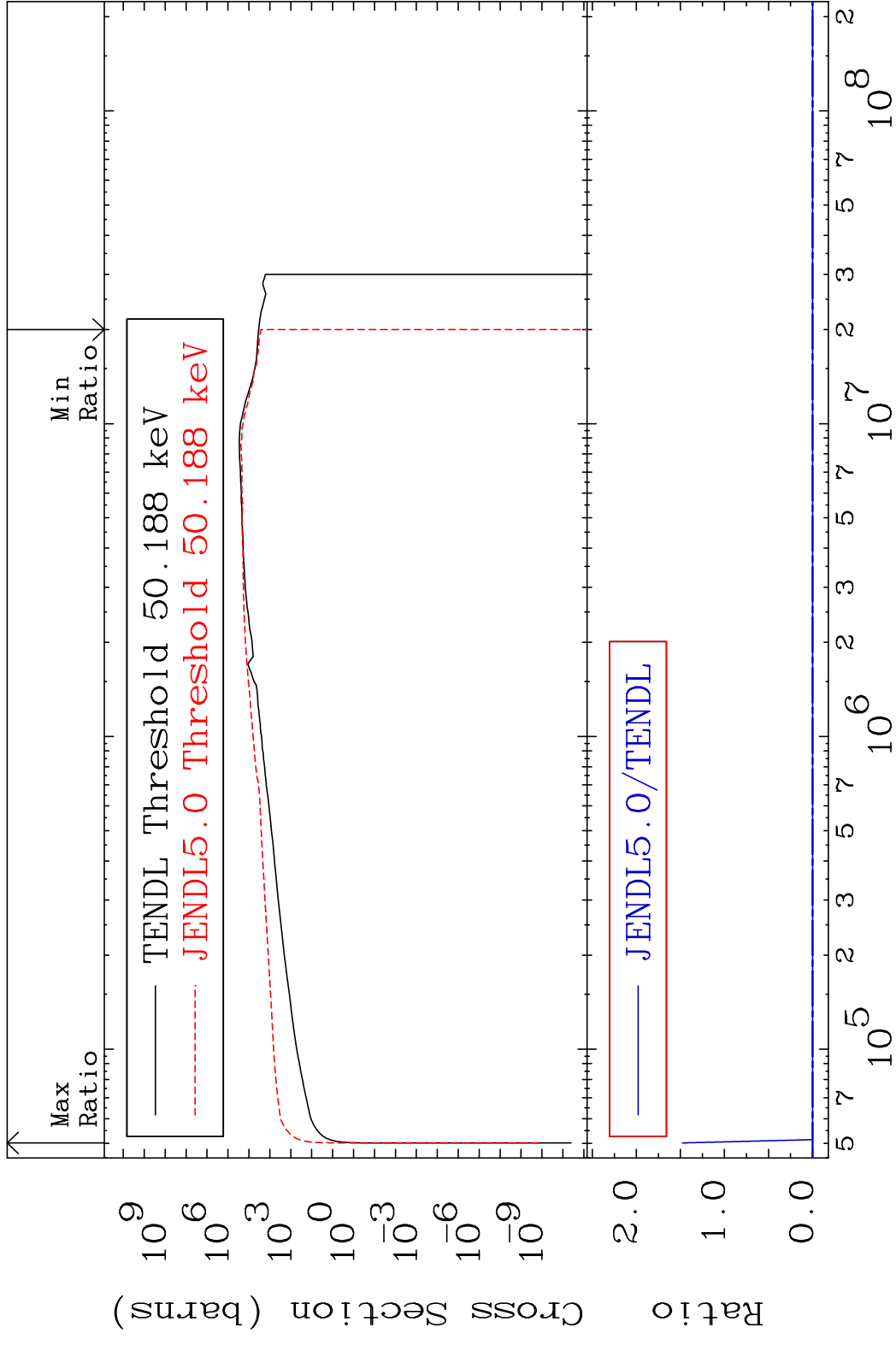
36-Kr-81

MAT 3634 Kerma non-elastic (all but mt2) 36-Kr-81
 Cross Section -99.46 To 3352. %



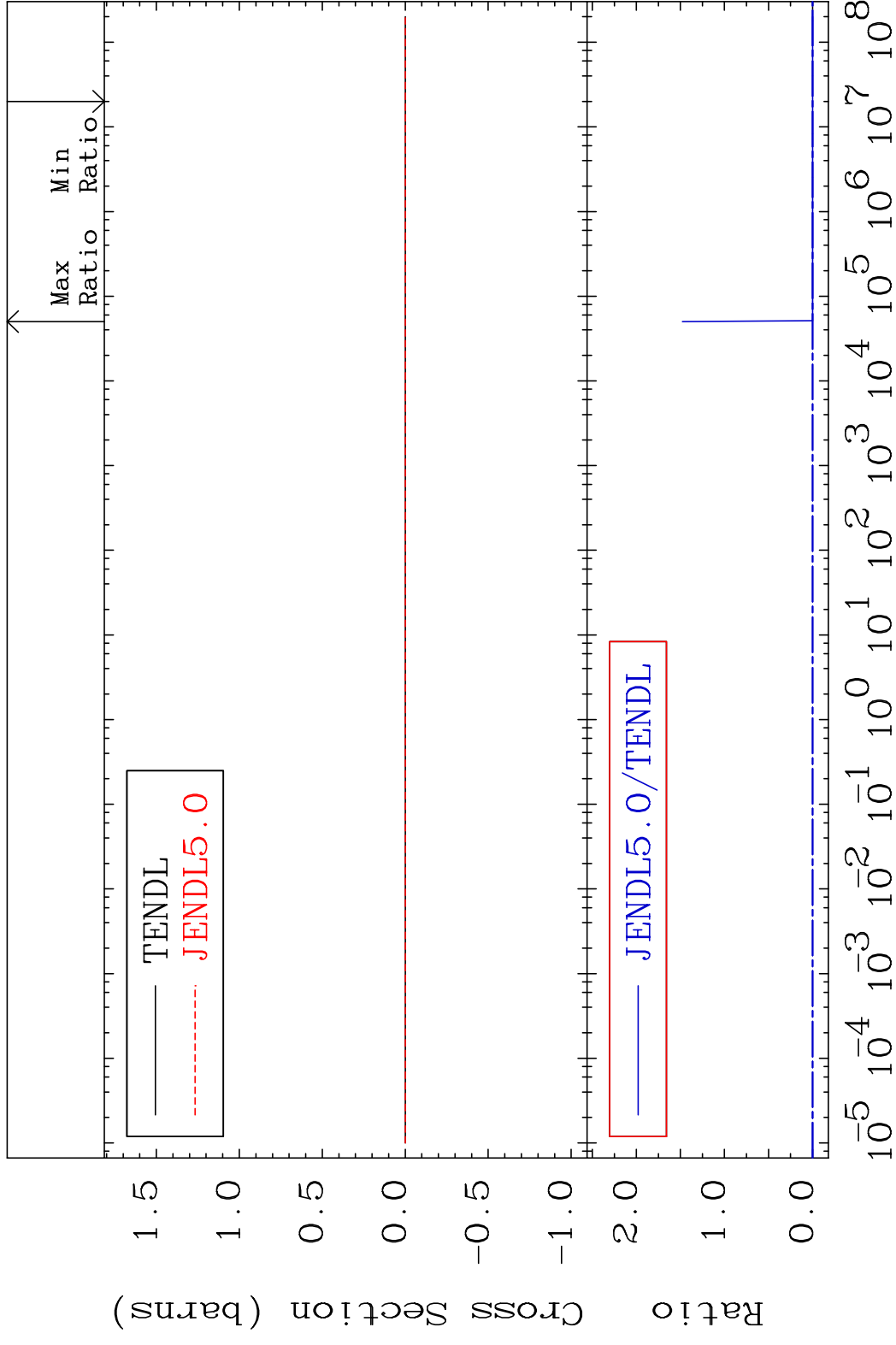
56 Incident Energy (eV) 36-Kr-81

MAT 3634 Kerma inelastic (mt51-91) 36-Kr-81
 Cross Section -100.0 To 9999. %

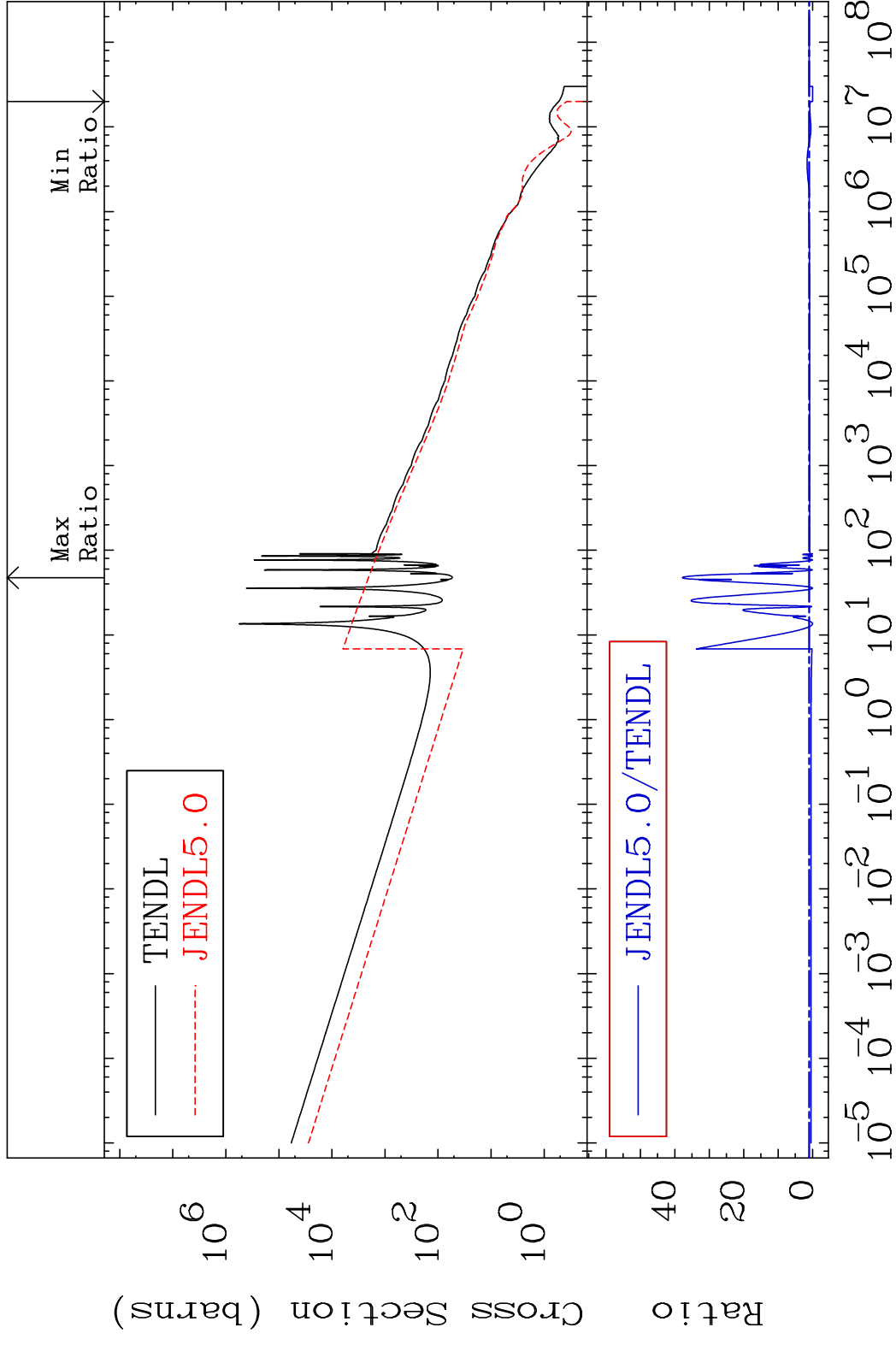


57 Incident Energy (eV) 36-Kr-81

MAT 3634 Kerma fission (mt18 or mt19-20-21-38) 36-Kr-81
 Cross Section -100.0 To 9999. %

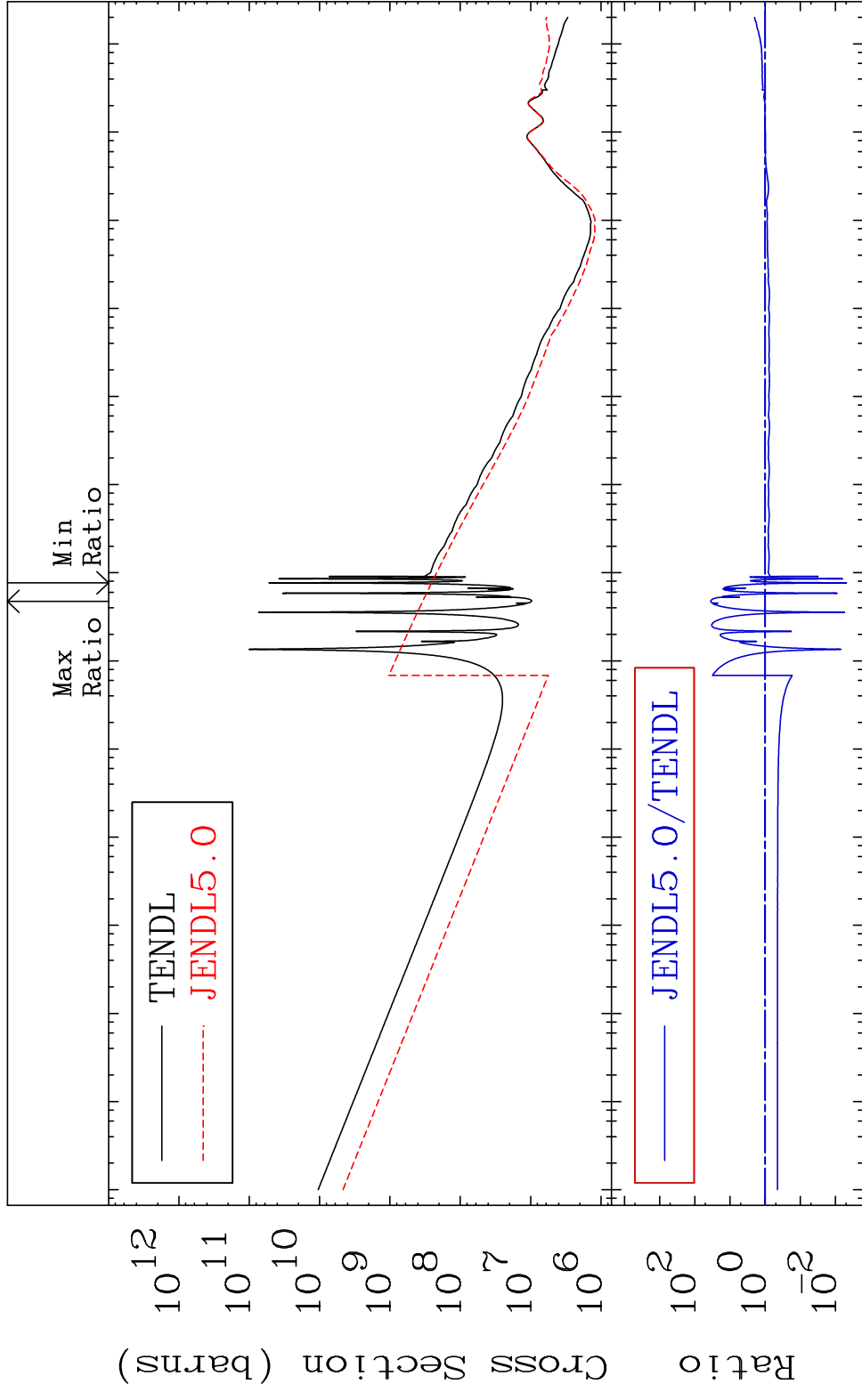


MAT 3634 Kerma capture (mt102) 36-Kr-81
 Cross Section -100.0 To 3682. %



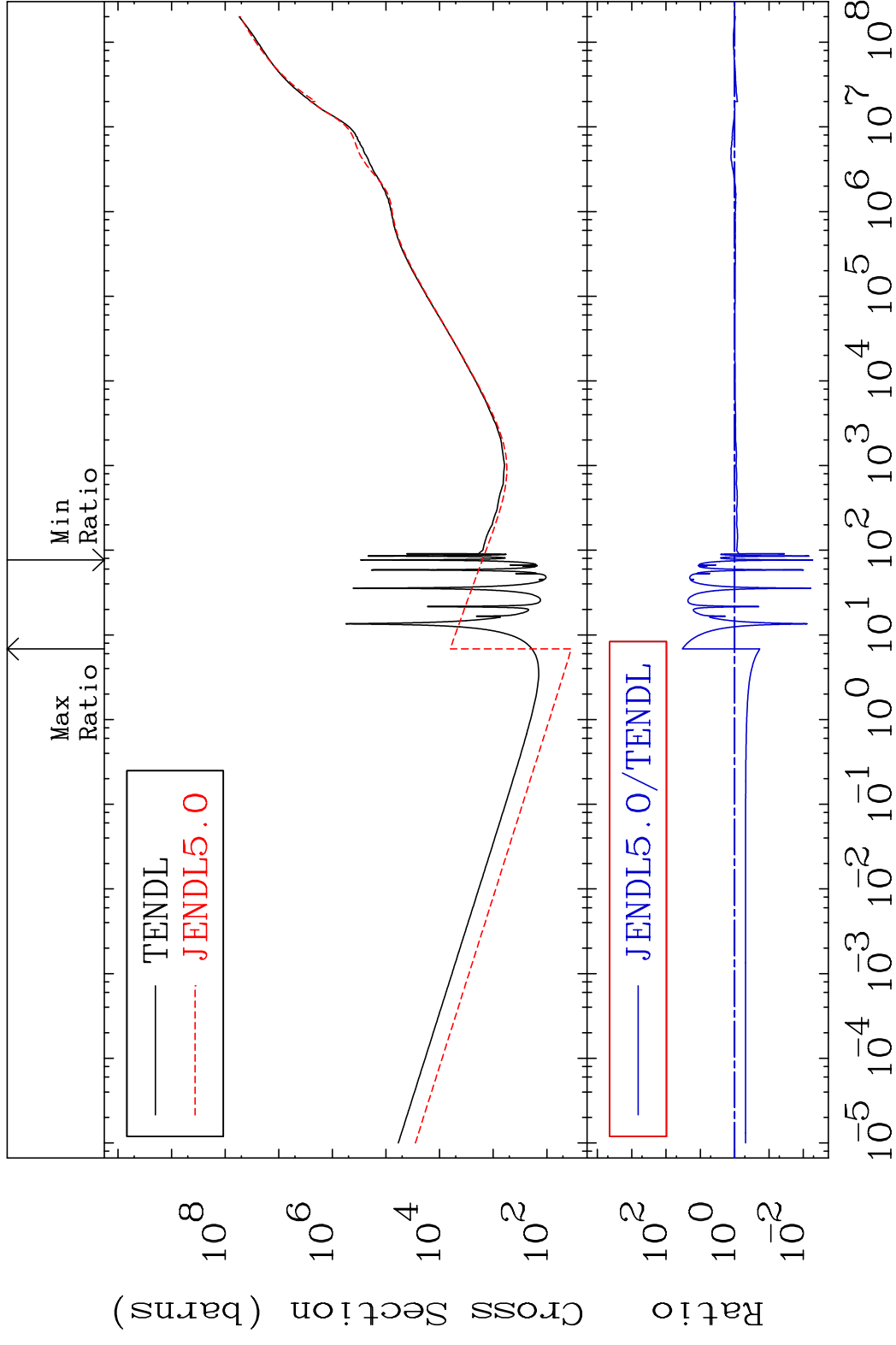
59 Incident Energy (eV) 36-Kr-81

MAT 3634 Total photon (eV-barns) 36-Kr-81
 Cross Section -99.51 To 3432. %

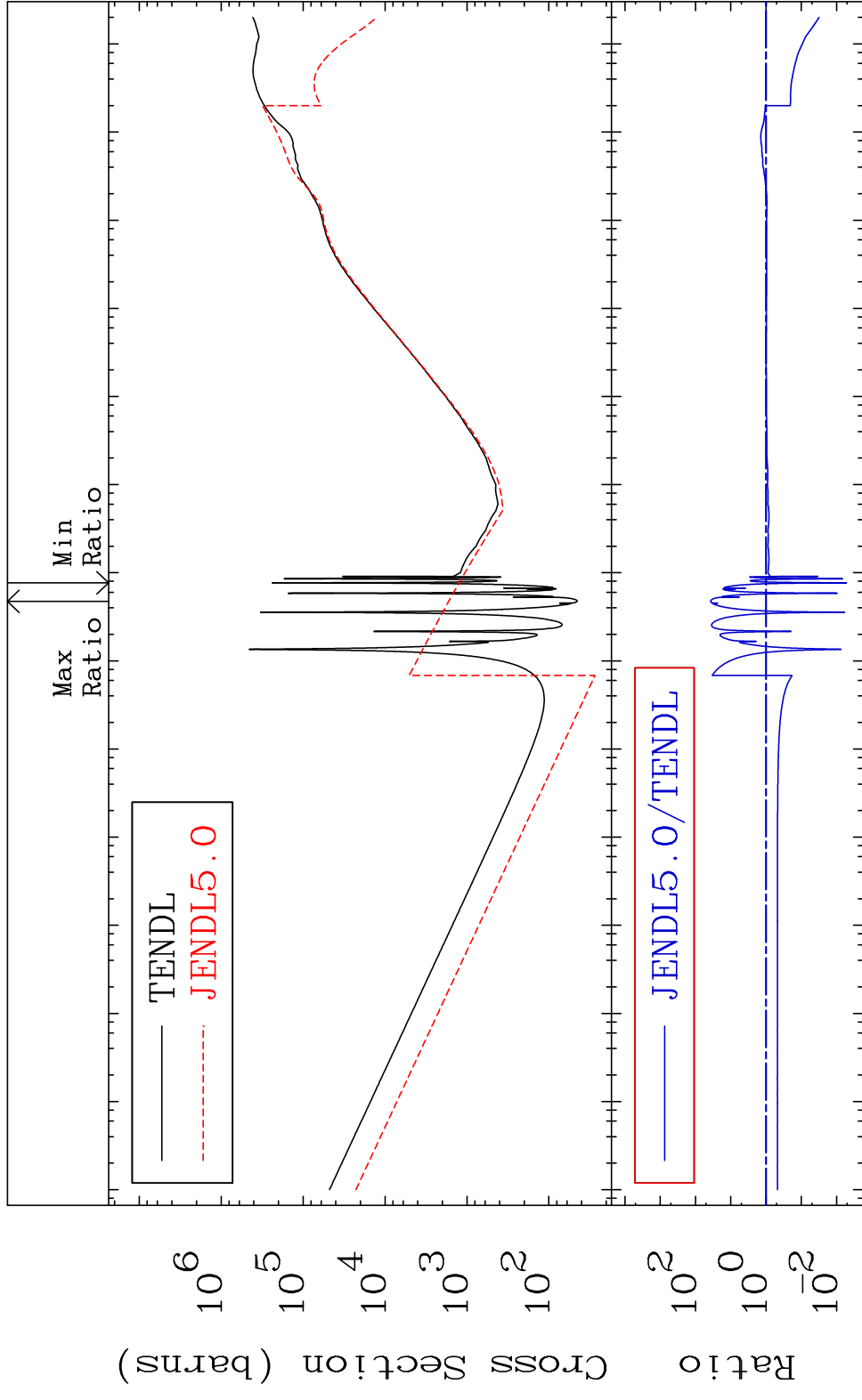


60 Incident Energy (eV) 36-Kr-81

MAT 3634 Total kinematic kerma (high limit) 36-Kr-81
 Cross Section -99.46 To 3242. %



MAT 3634 Dpa total (eV-barns) 36-Kr-81
 Cross Section -99.47 To 3592. %

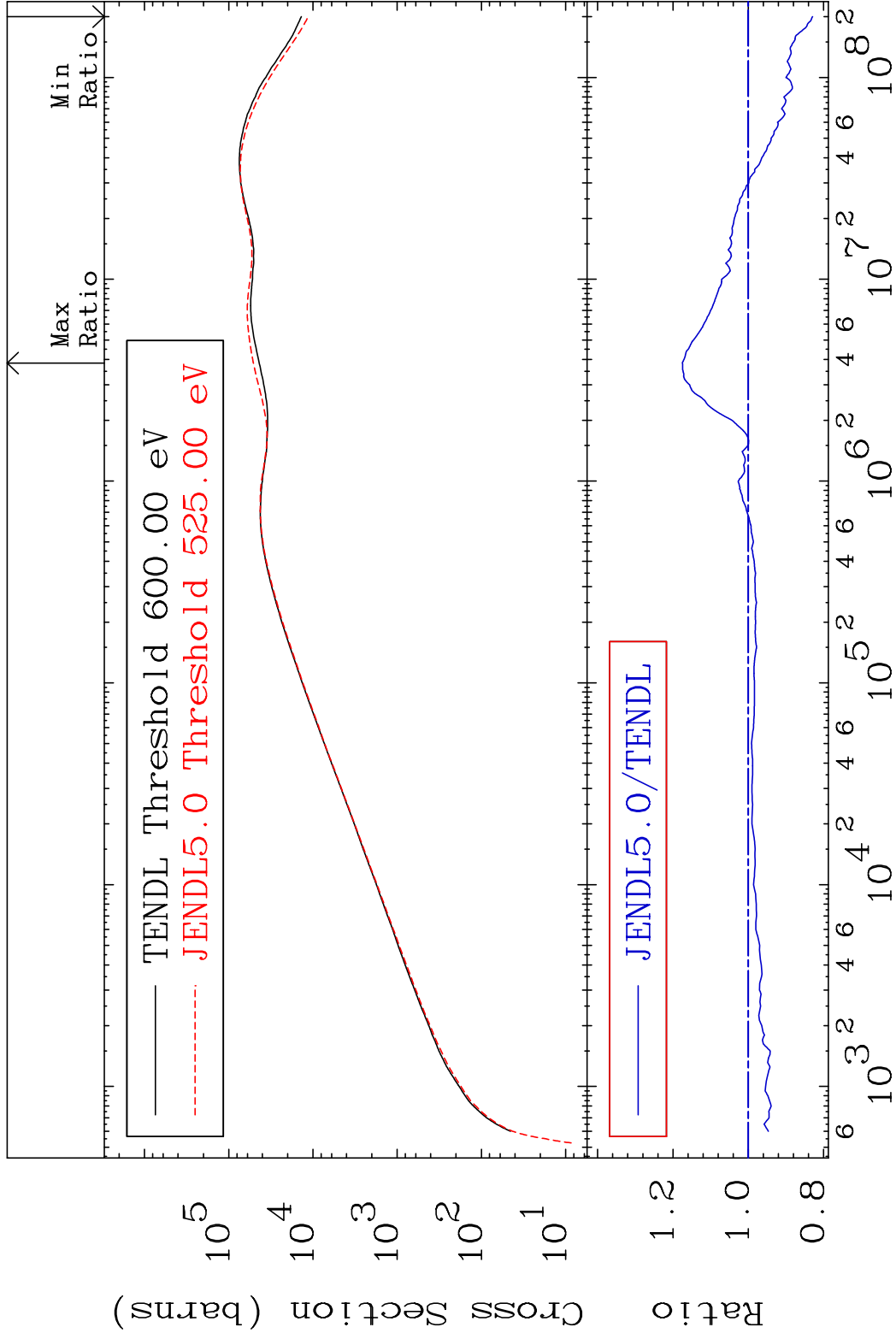


MAT 3634

Dpa elastic (mt2)

36-Kr-81

Cross Section -17.09 To 17.50 %

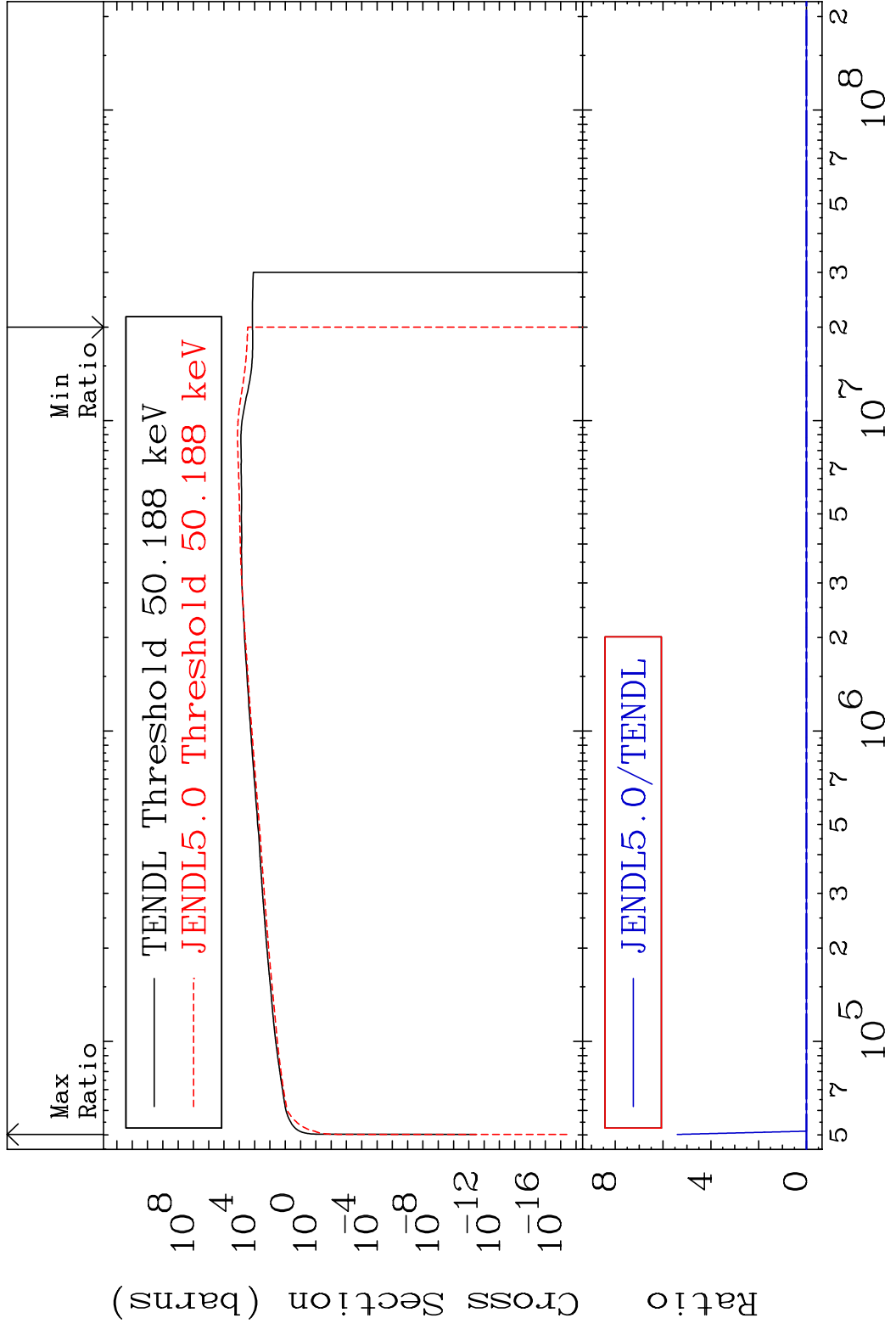


63

Incident Energy (eV)

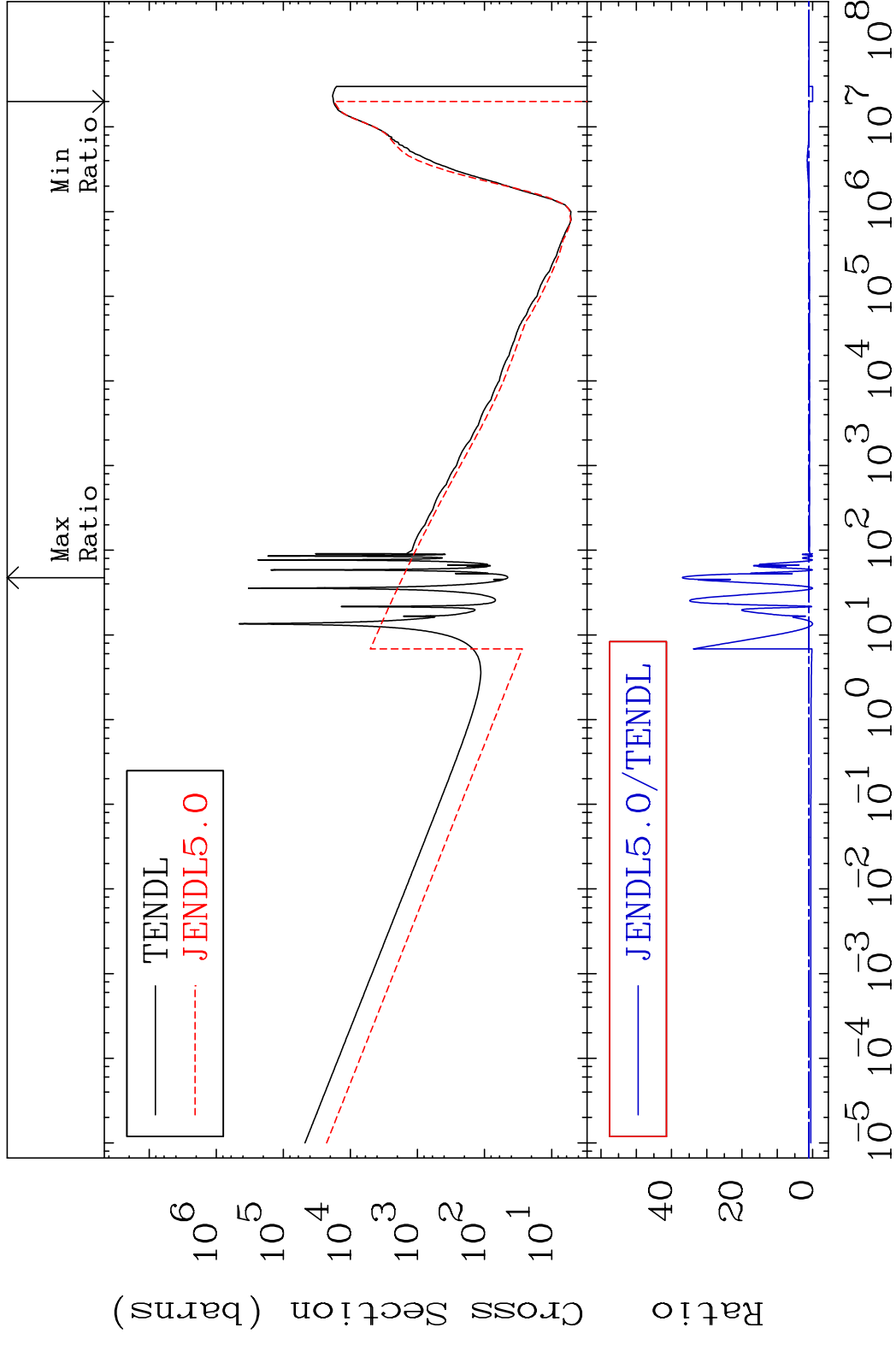
36-Kr-81

MAT 3634 Dpa inelastic (mt51-91) 36-Kr-81
 Cross Section -100.0 To 9999. %

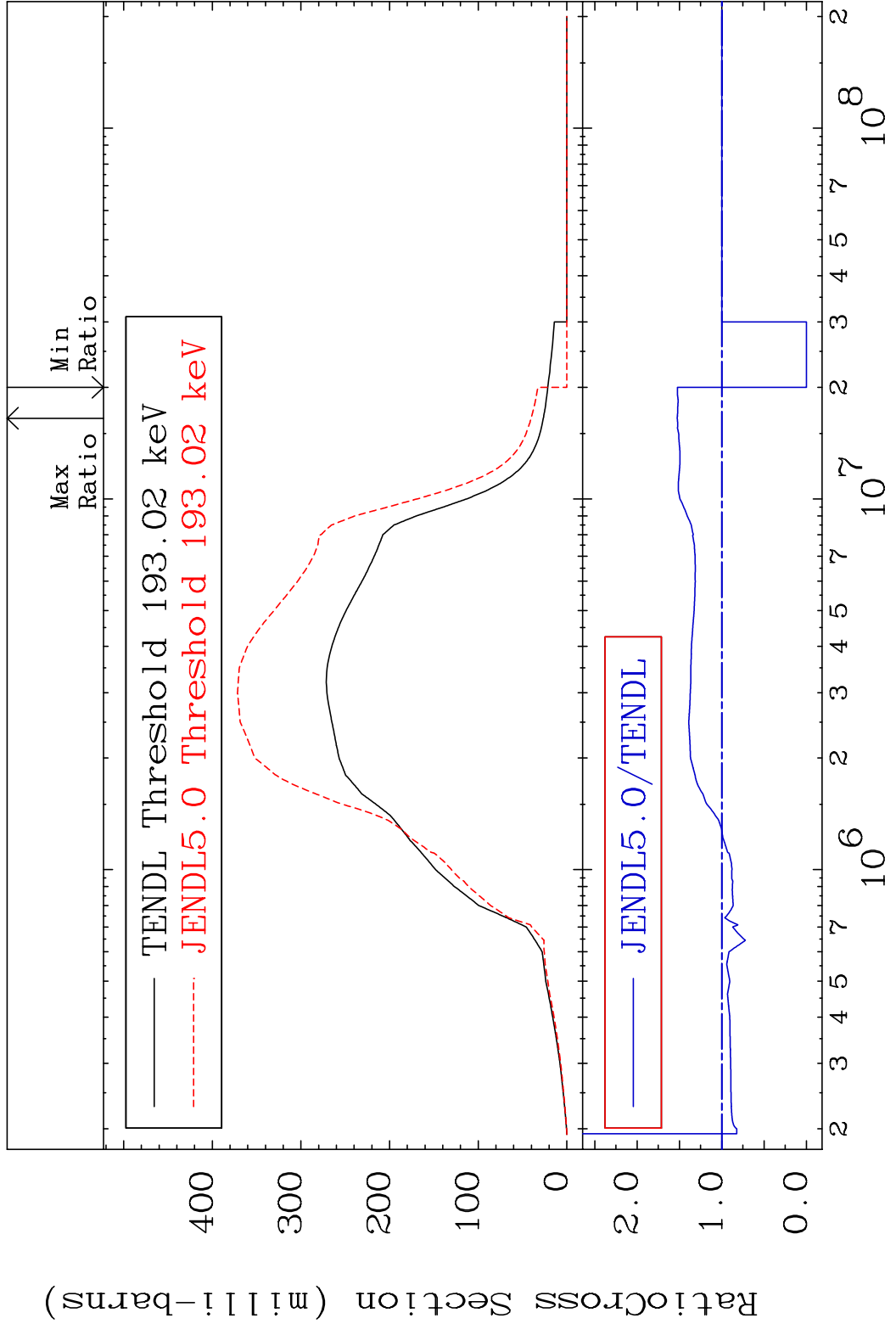


64 Incident Energy (eV) 36-Kr-81

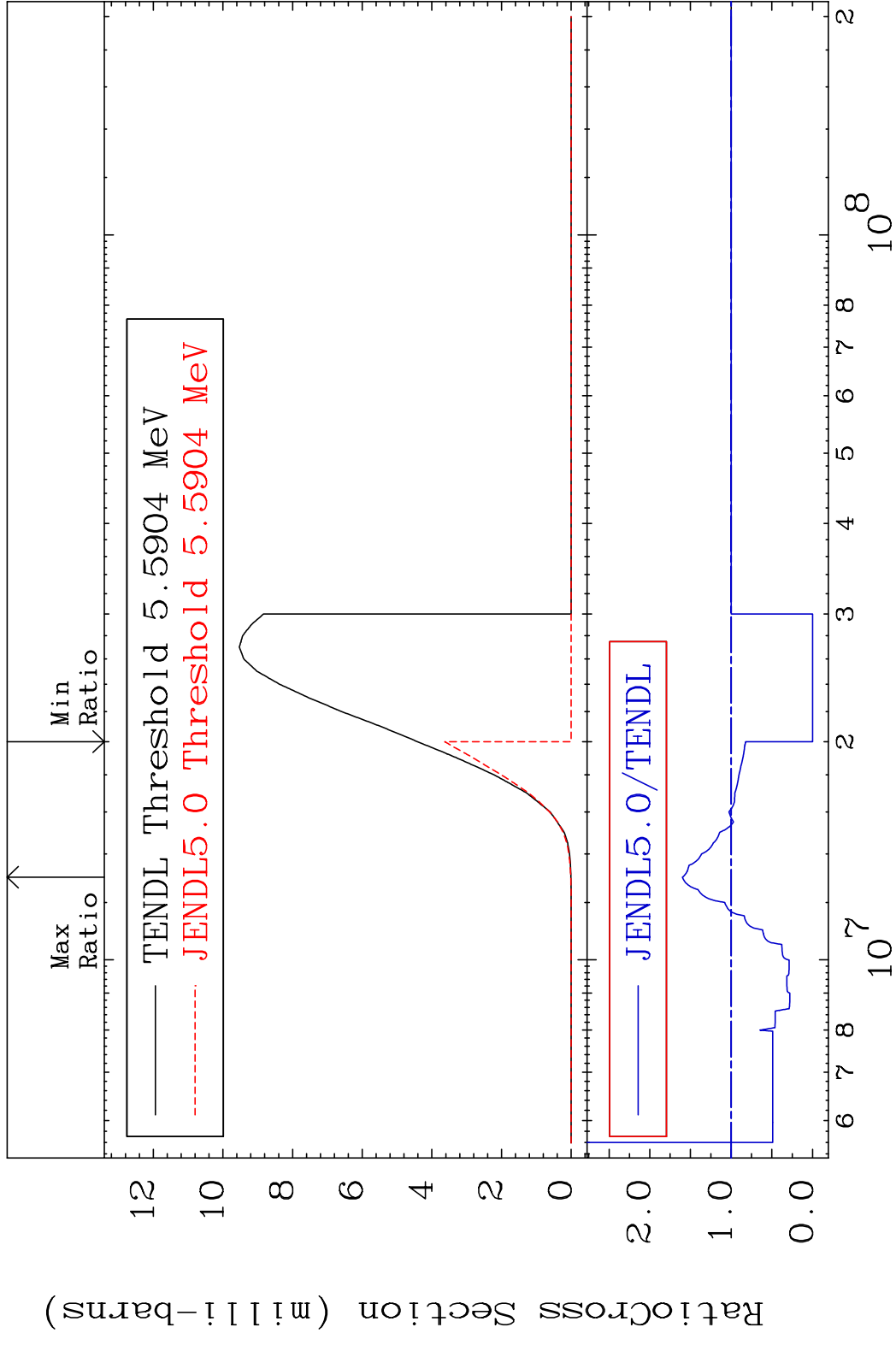
MAT 3634 Dpa disappearance (mt102 -120) 36-Kr-81
 Cross Section -100.0 To 3592. %



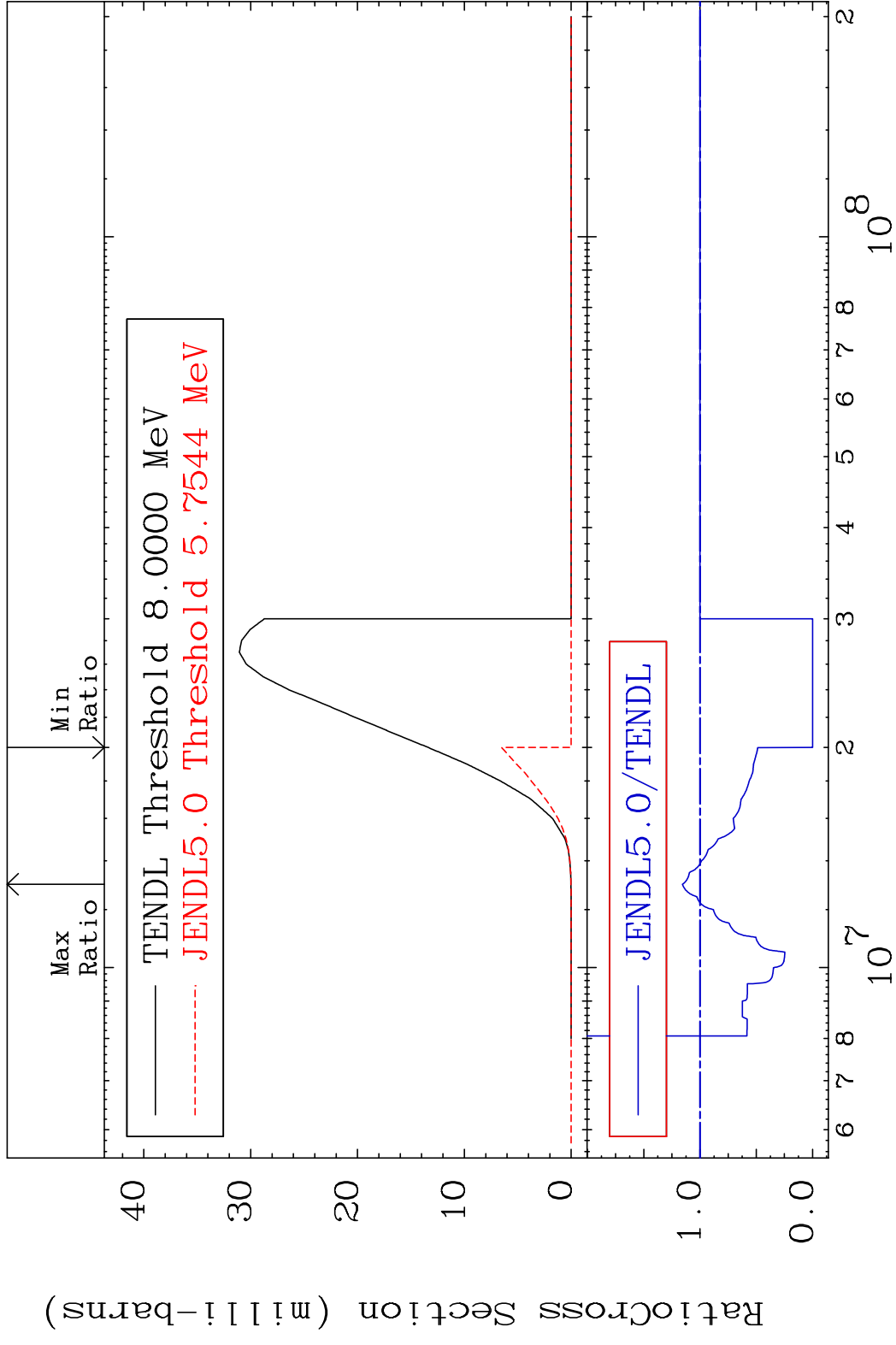
65 Incident Energy (eV) 36-Kr-81



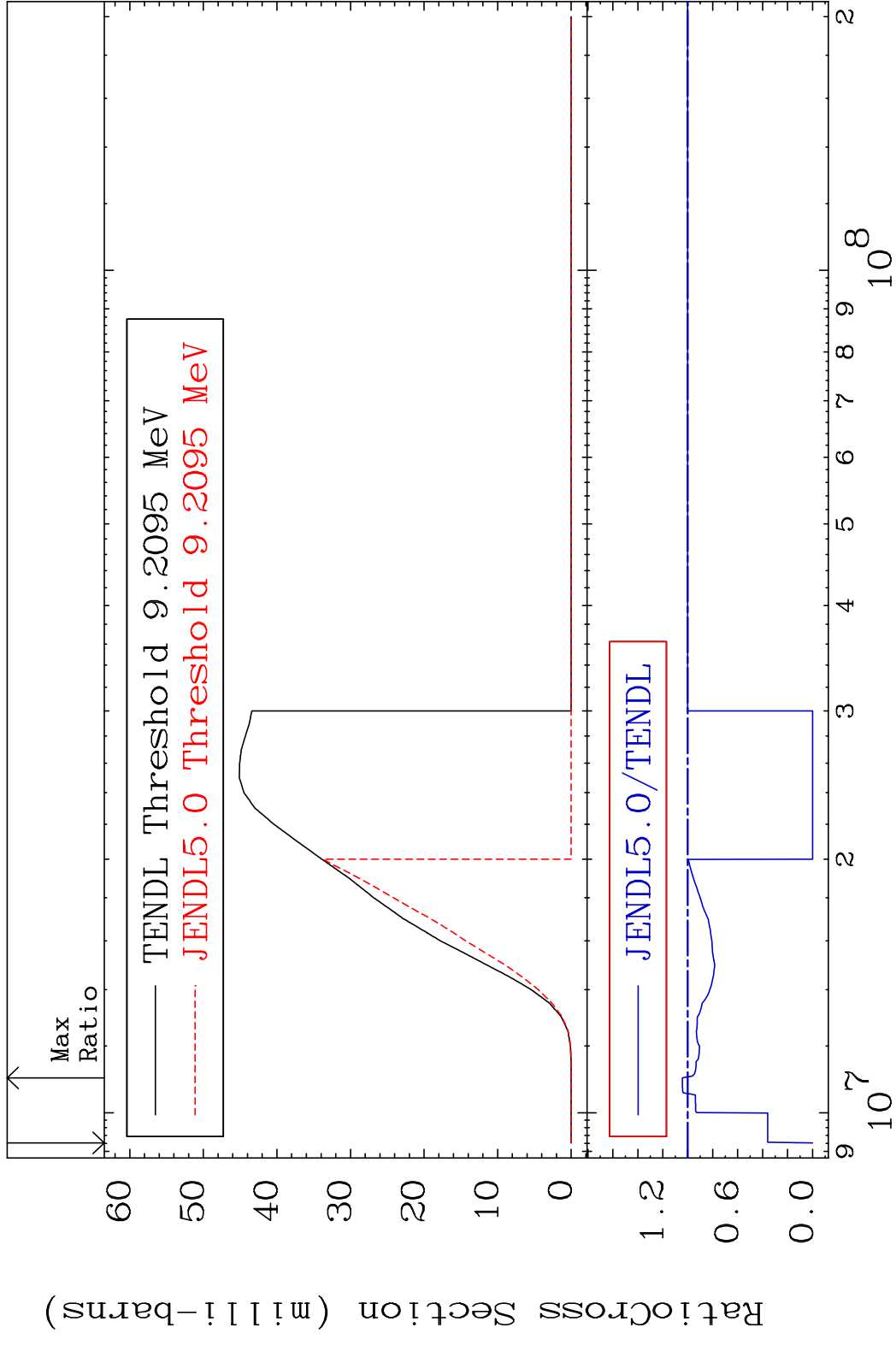
MAT 3634 (n, n') α :34-Se-77g 36-Kr-81
 Radionuclide Production Cross Section Ratio 59.98 %



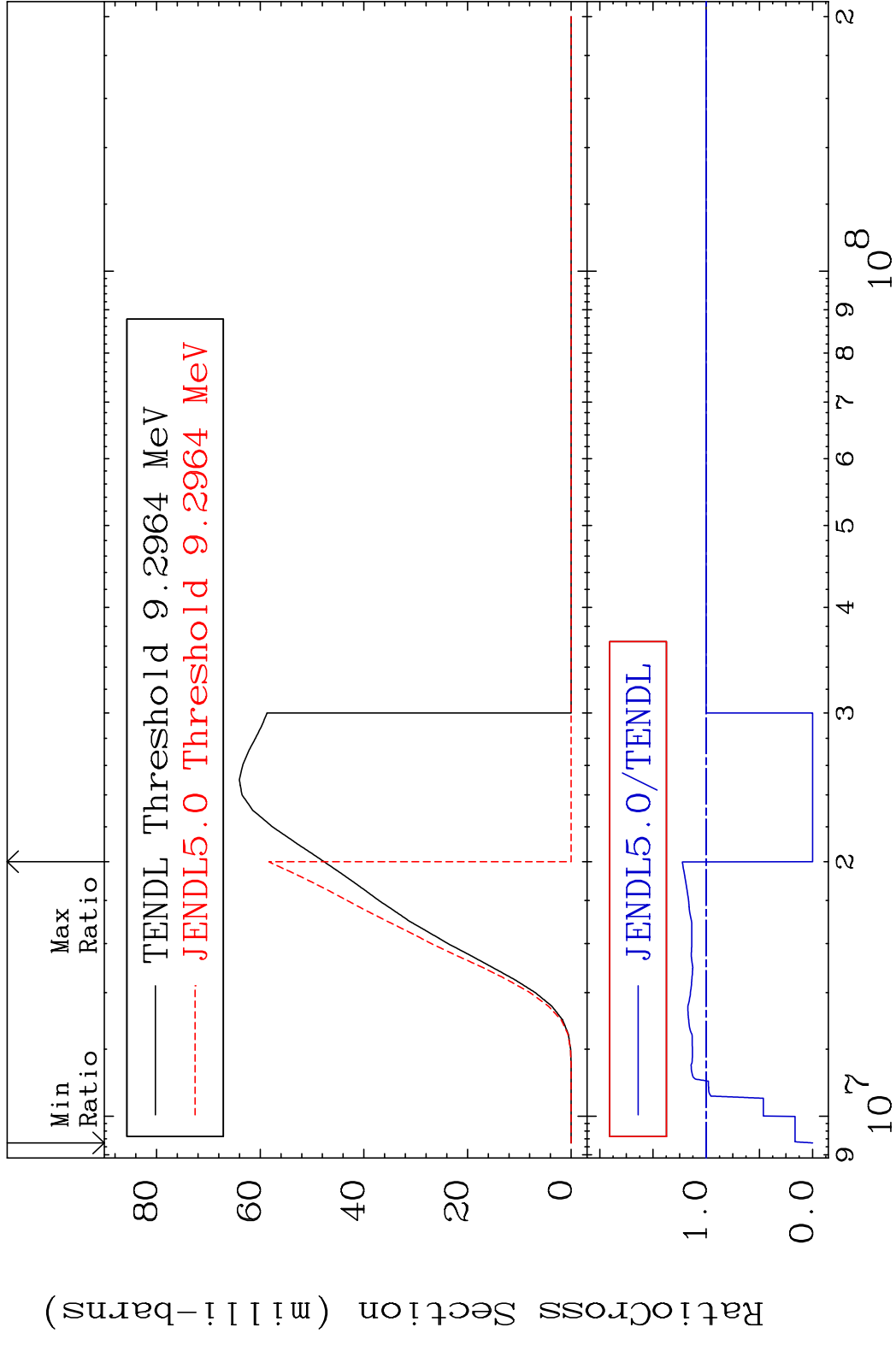
MAT 3634 (n, n') α :34-Se-77m1 36-Kr-81
 Radionuclide Production Cross Section Ratio 15.69 %



MAT 3634 (n, n') p:35-Br-80g 36-Kr-81
 Radionuclide Production Cross Section Ratio 4.315 %

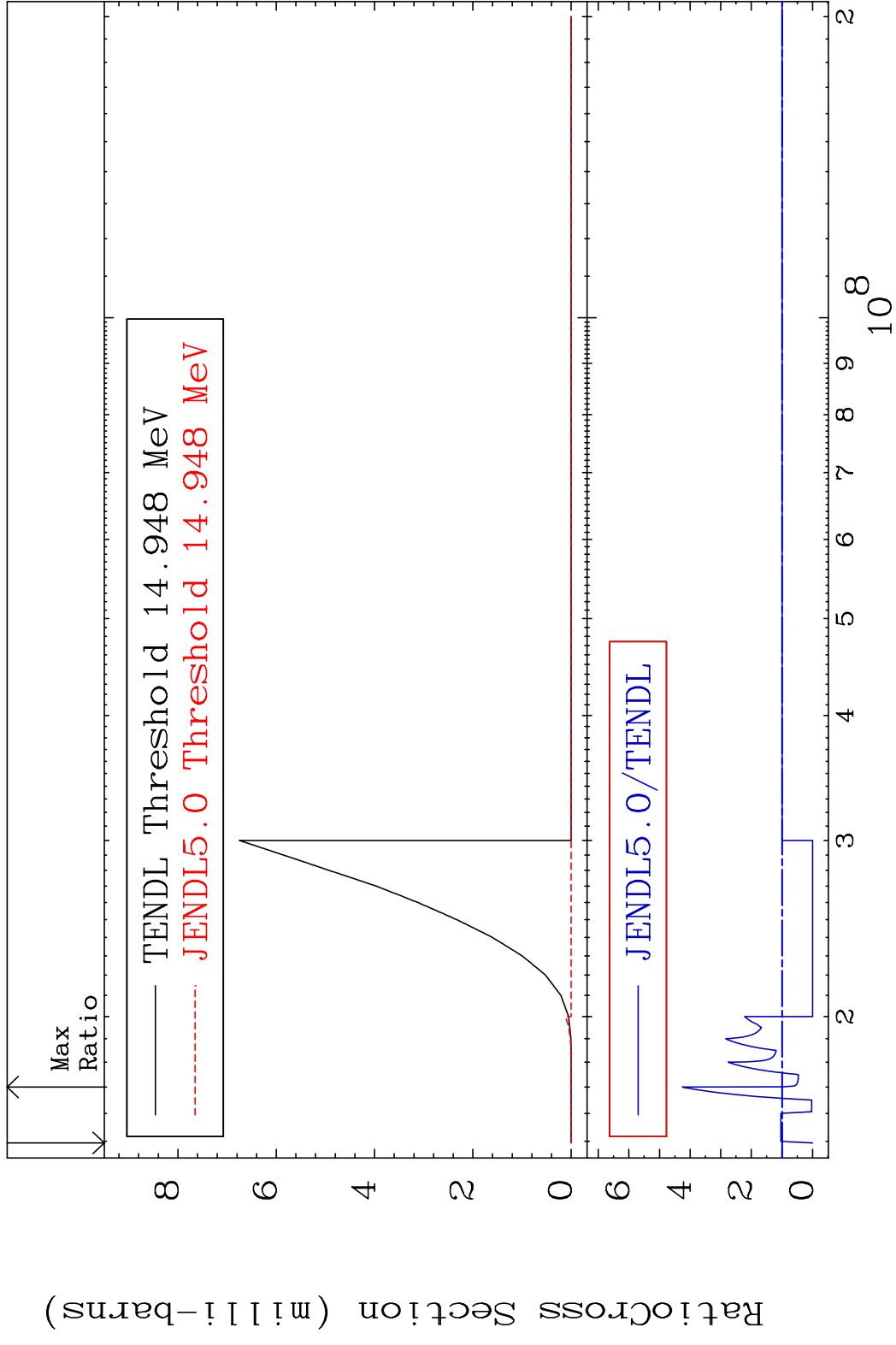


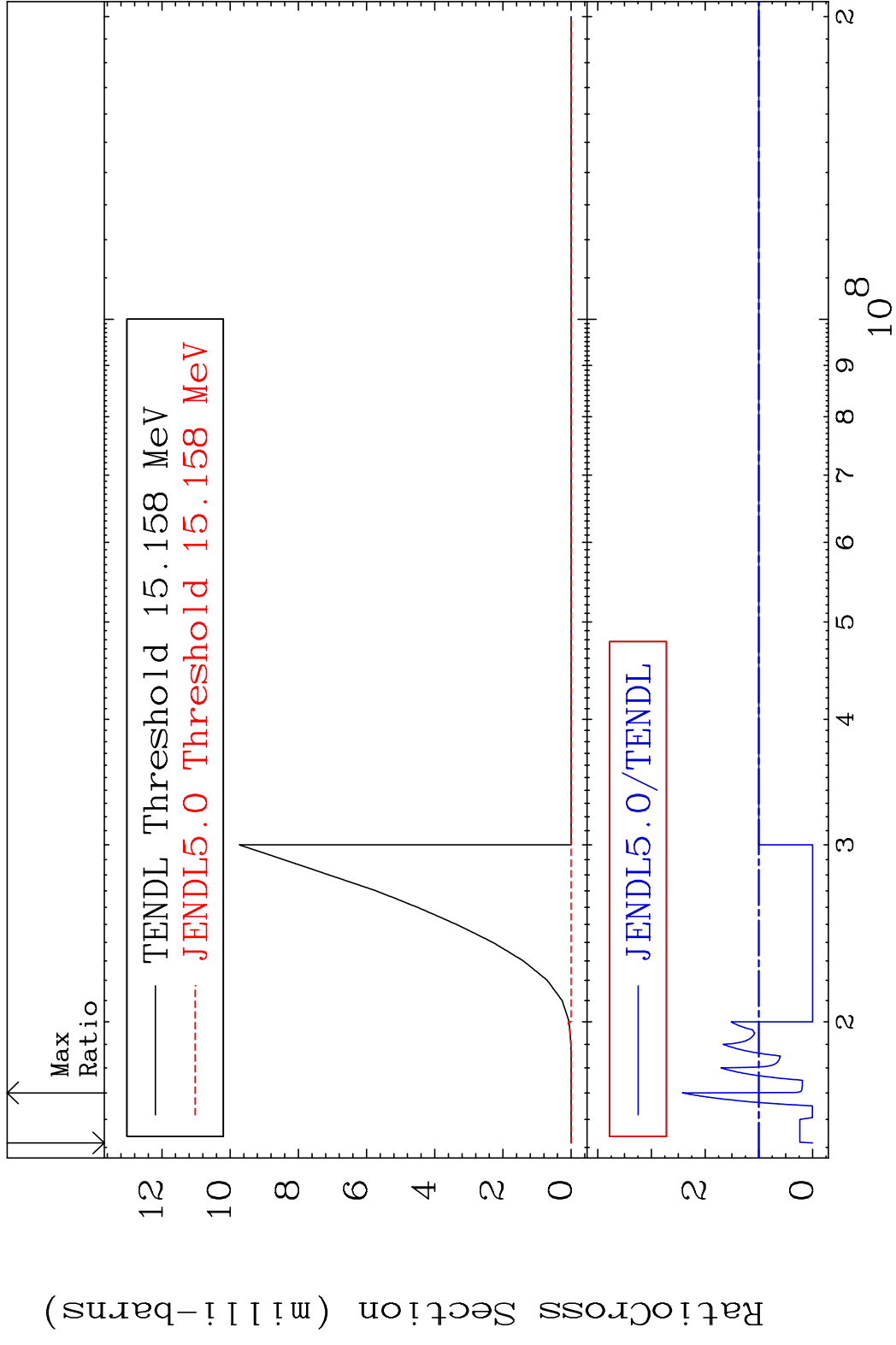
MAT 3634 (n, n') p:35-Br-80m2 36-Kr-81
 Radionuclide Production Cross Section 180.0 dth 22.38 %

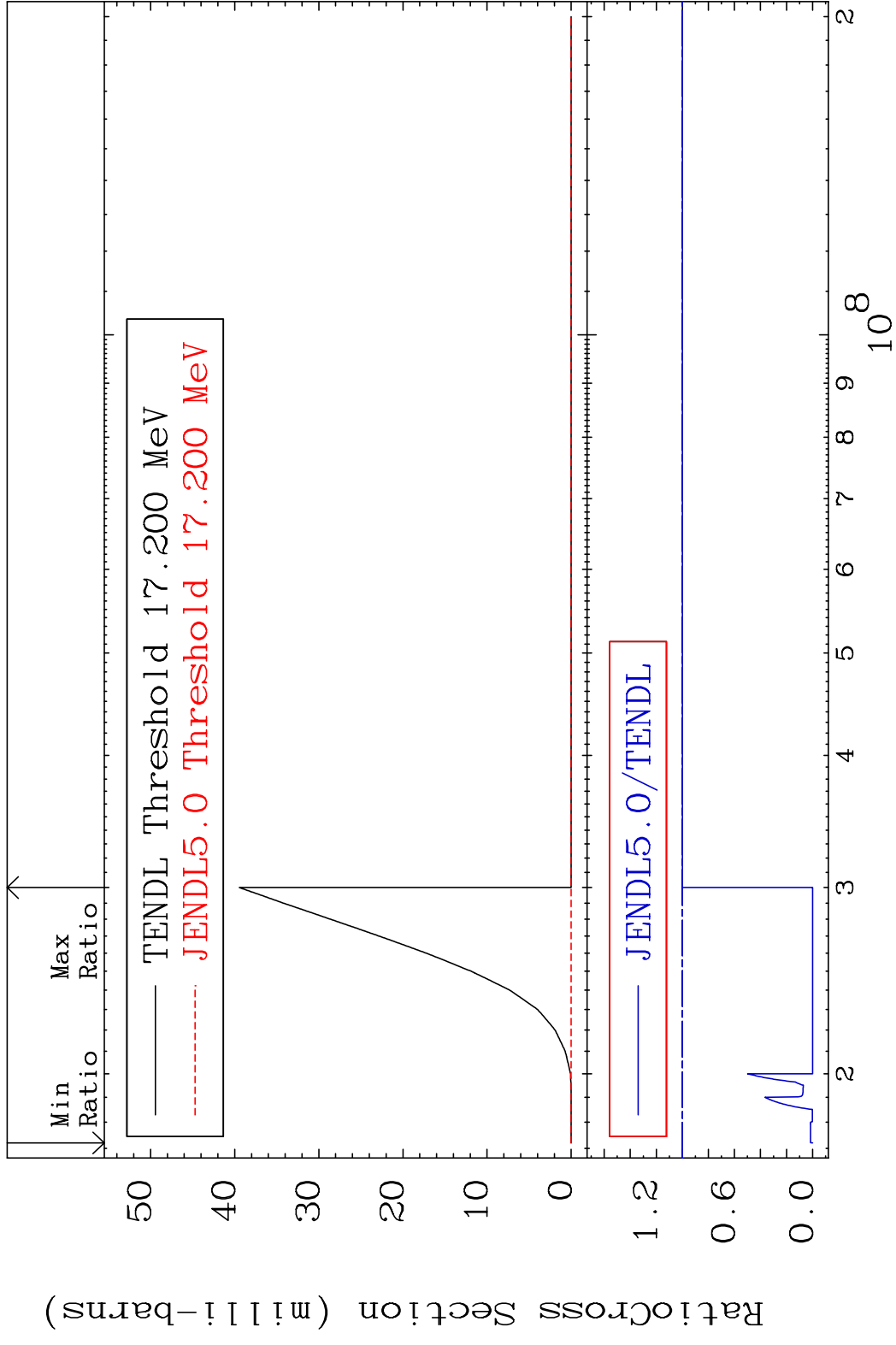


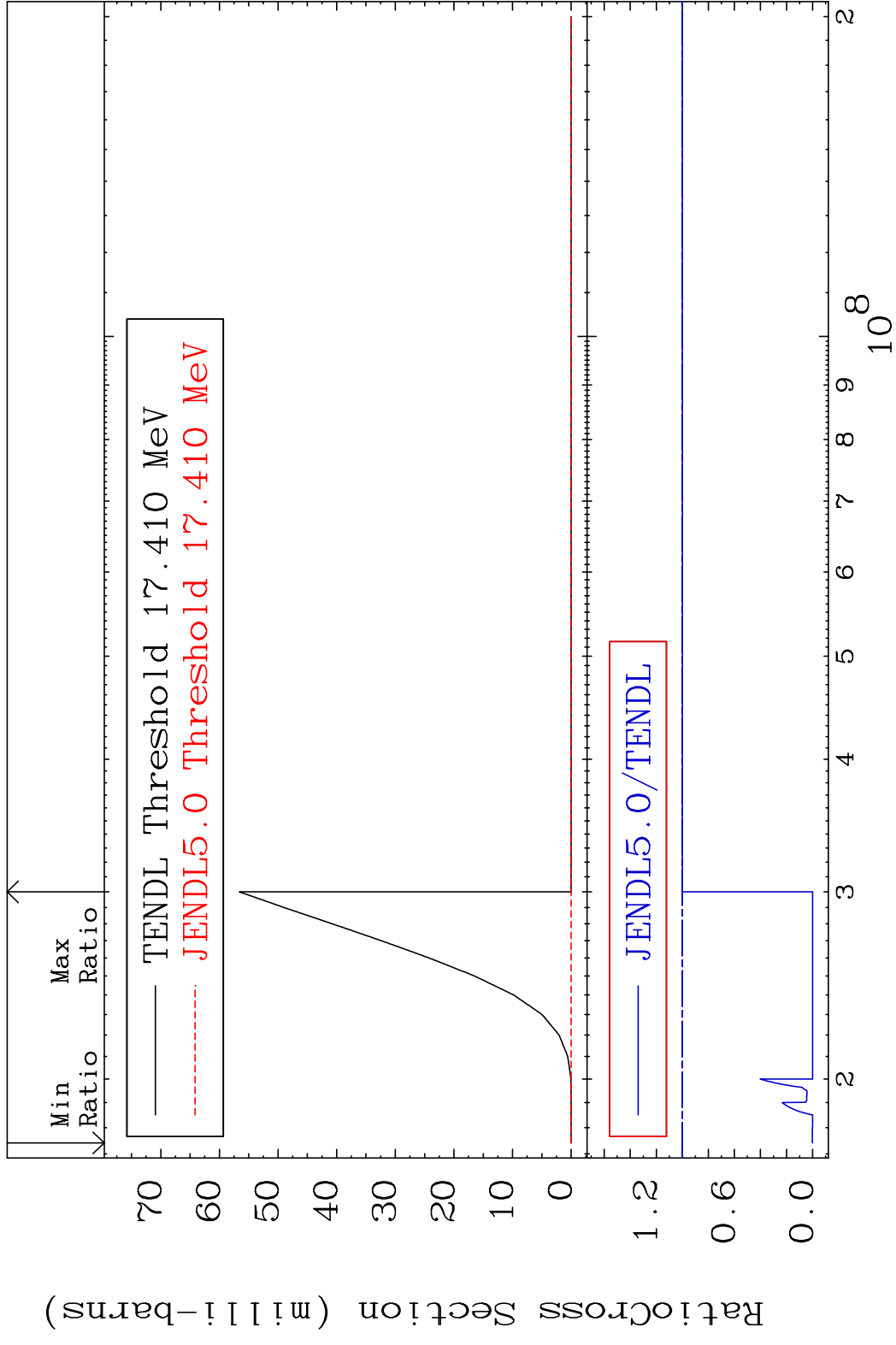
70 36-Kr-81

MAT 3634 (n, n') d:35-Br-79g 36-Kr-81
 Radionuclide Production Cross Section 180.0 dth 325.3 %

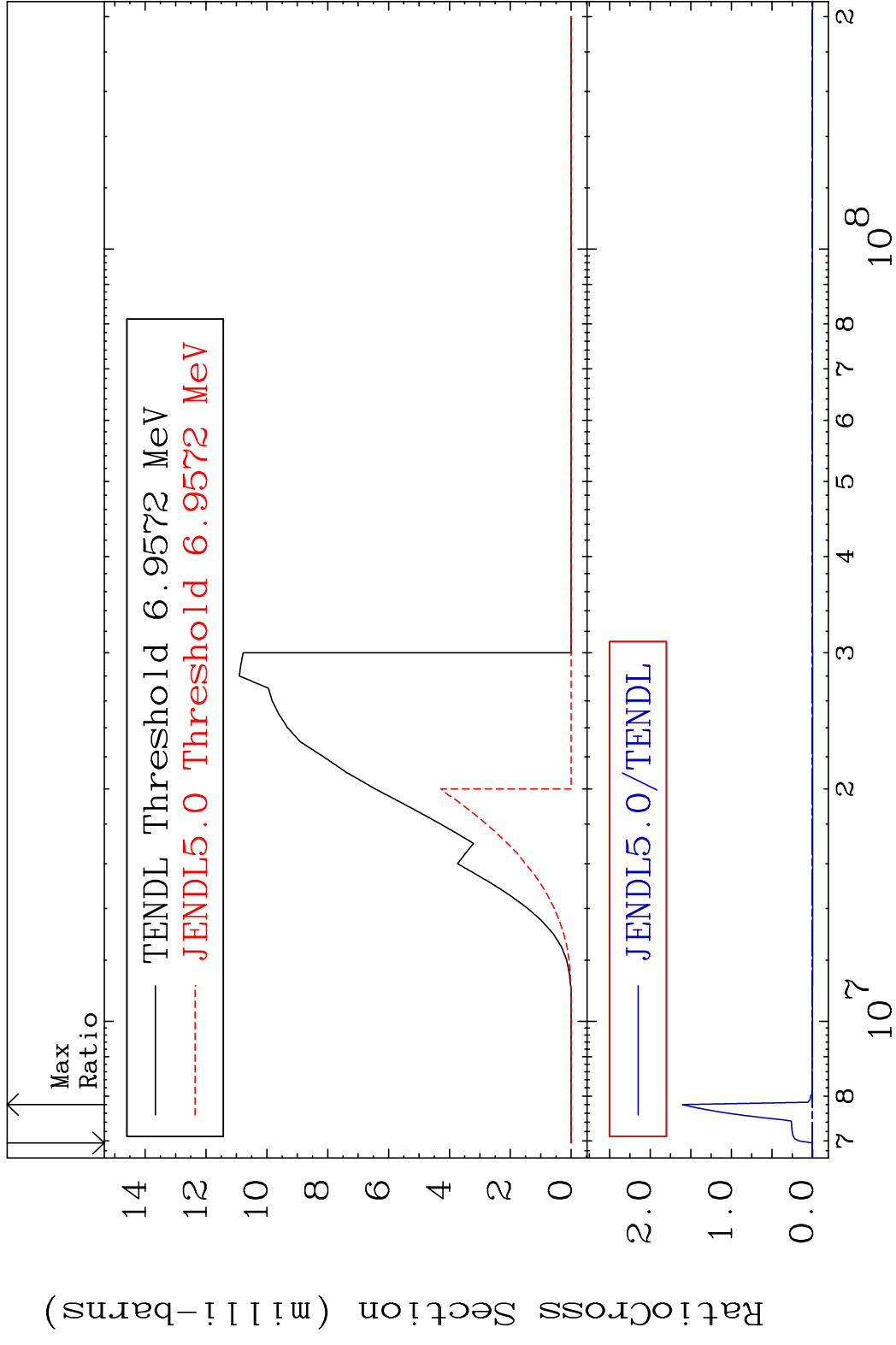






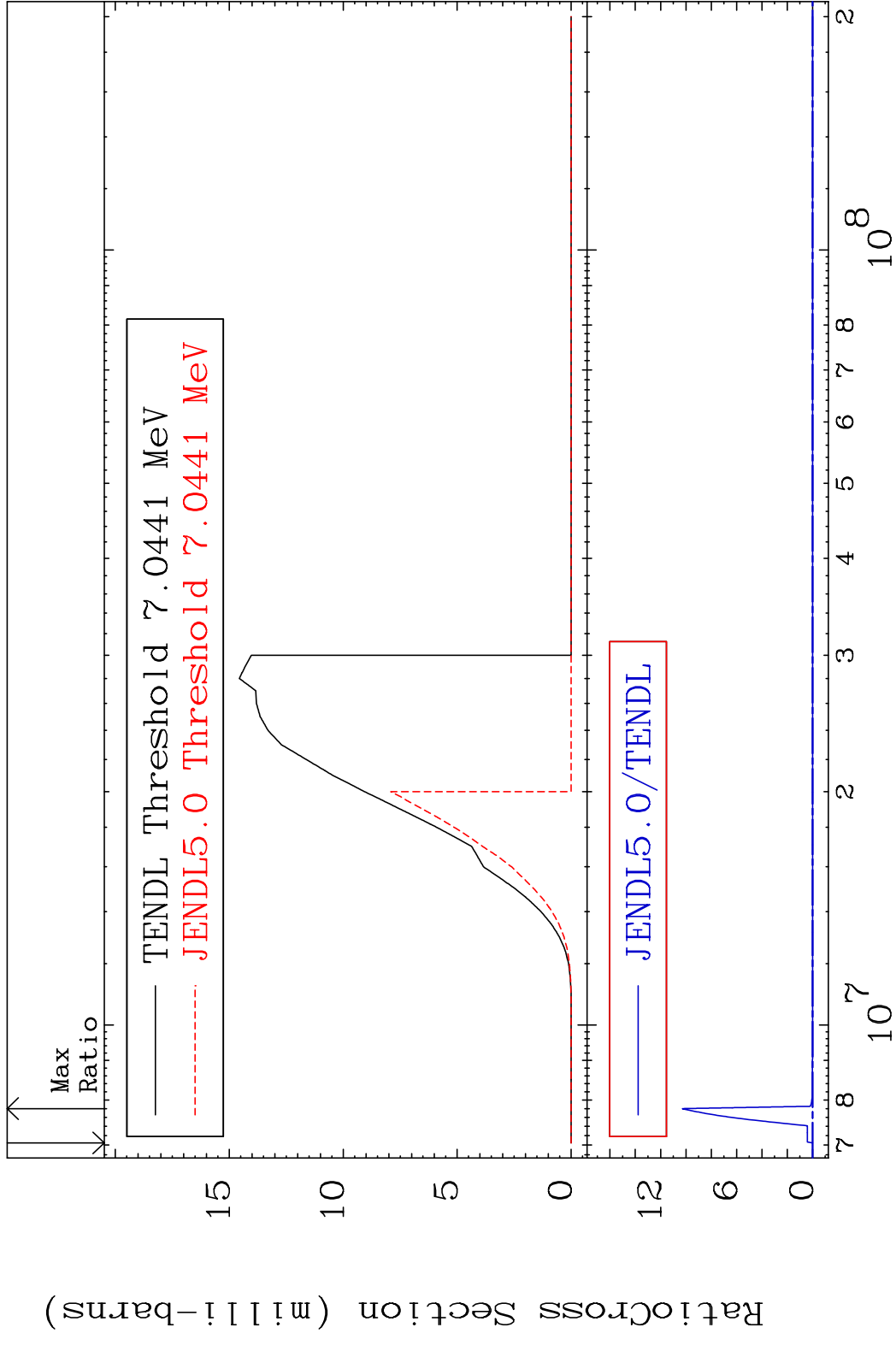


MAT 3634 (n,d):35-Br-80g 36-Kr-81
 Radionuclide Production Cross Section Ratio



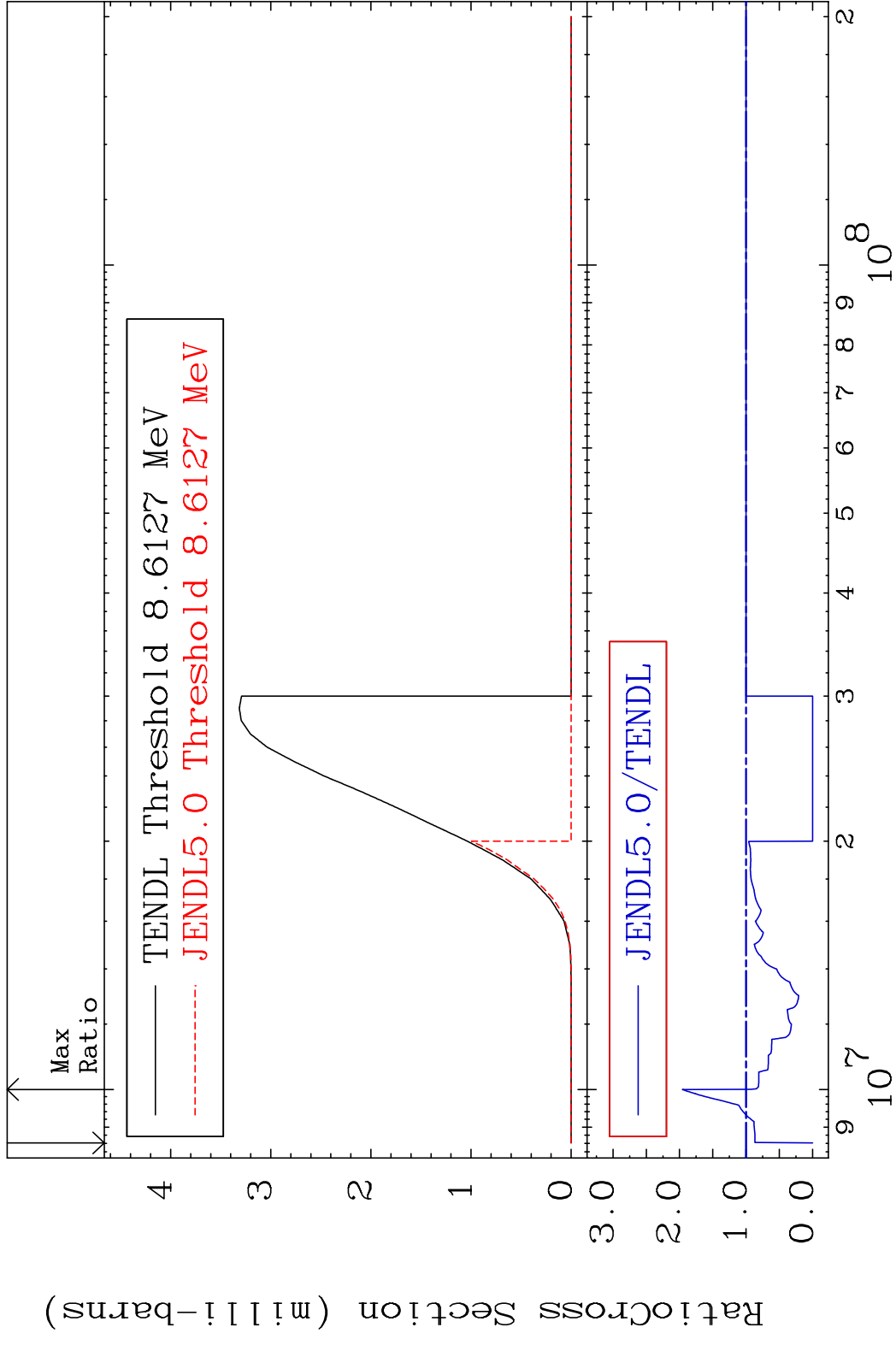
75 Incident Energy (eV) 36-Kr-81

MAT 3634 (n, d):35-Br-80m2 36-Kr-81
 Radionuclide Production Cross Section (%)

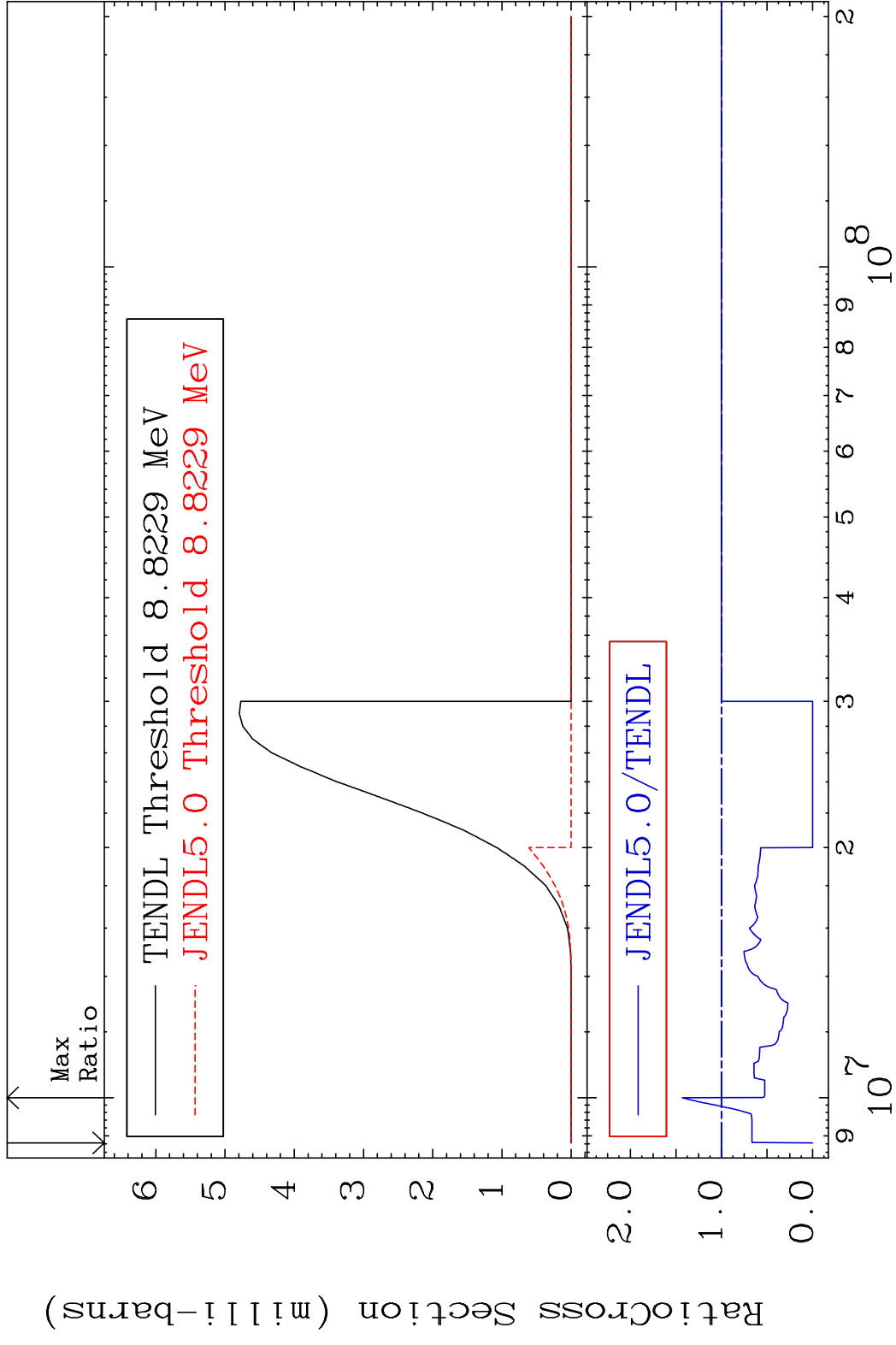


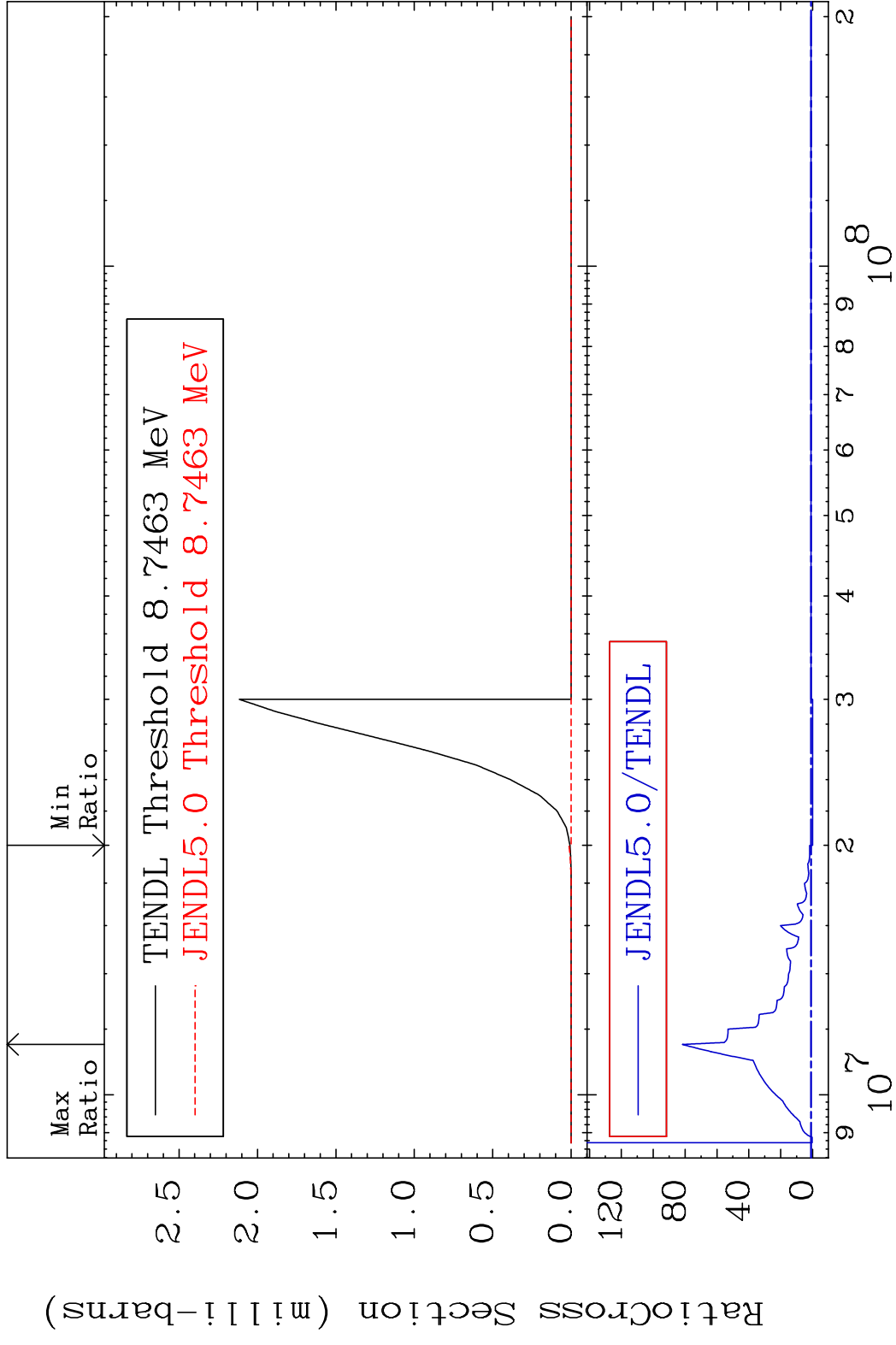
76 Incident Energy (eV) 36-Kr-81

MAT 3634 (n, t):35-Br-79g 36-Kr-81
 Radionuclide Production Cross Section 180.0 dth 95.77 %

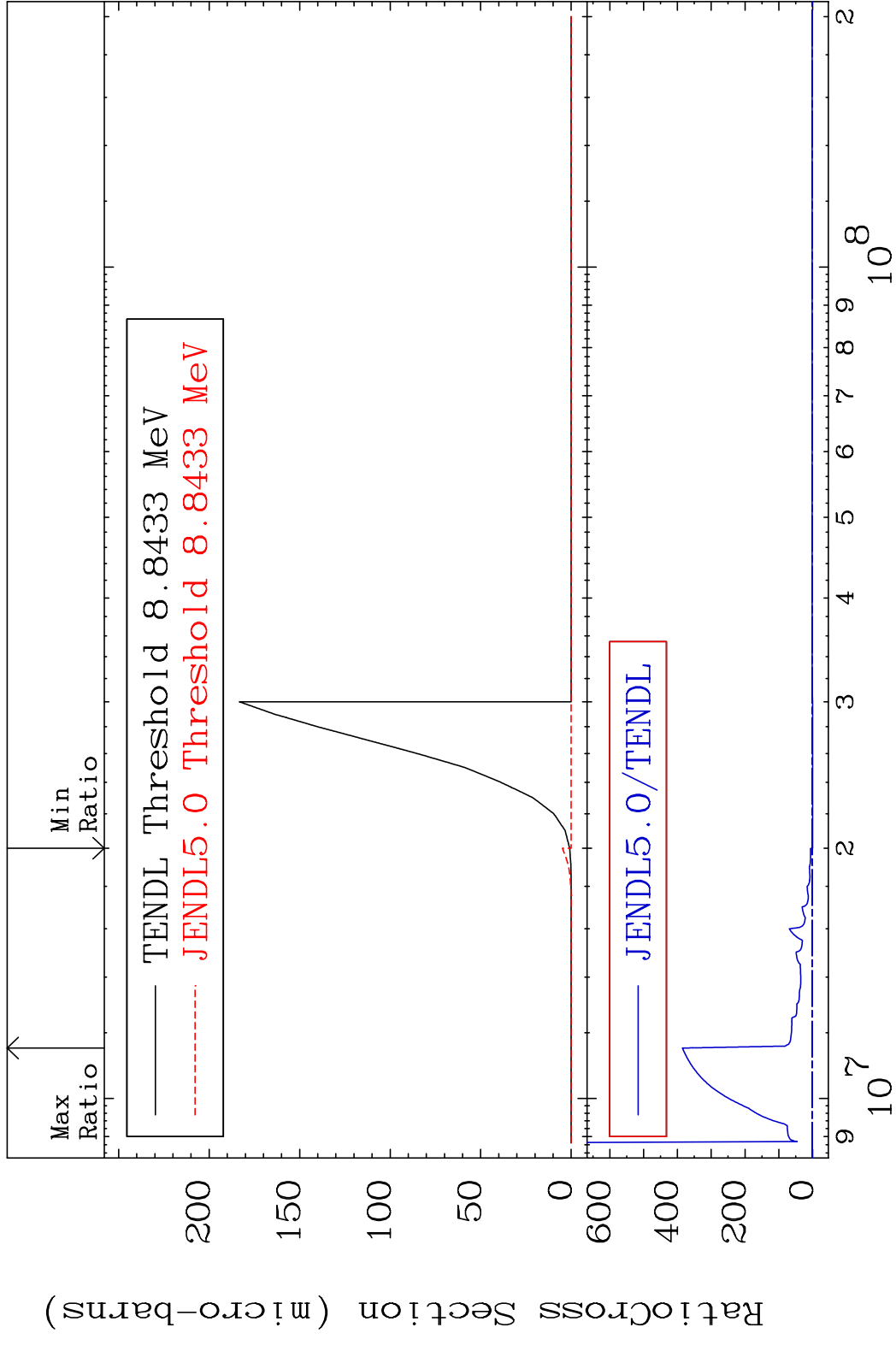


MAT 3634 (n, t):35-Br-79m1 36-Kr-81
 Radionuclide Production Cross Section 180.01 dth 42.91 %

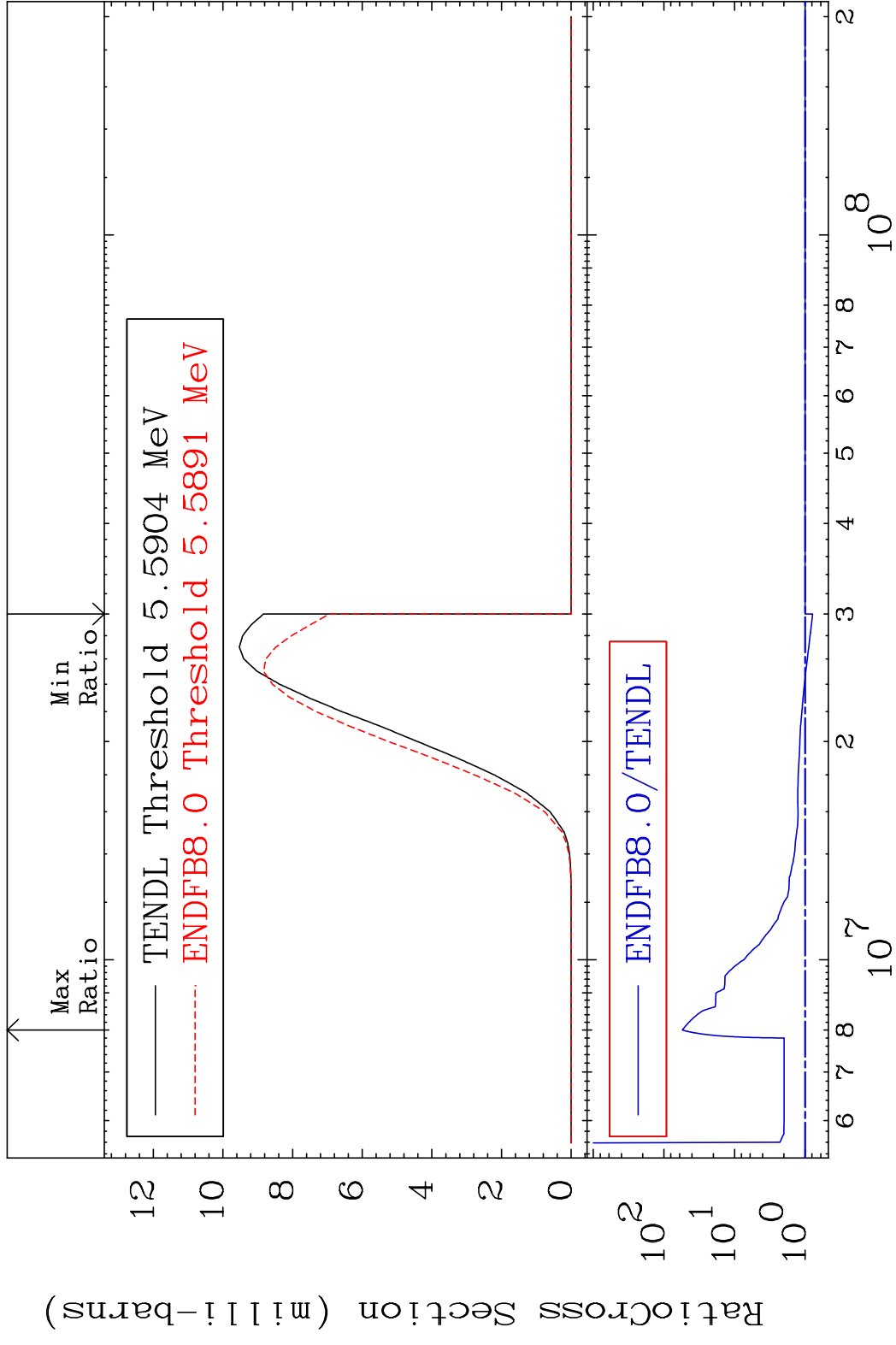




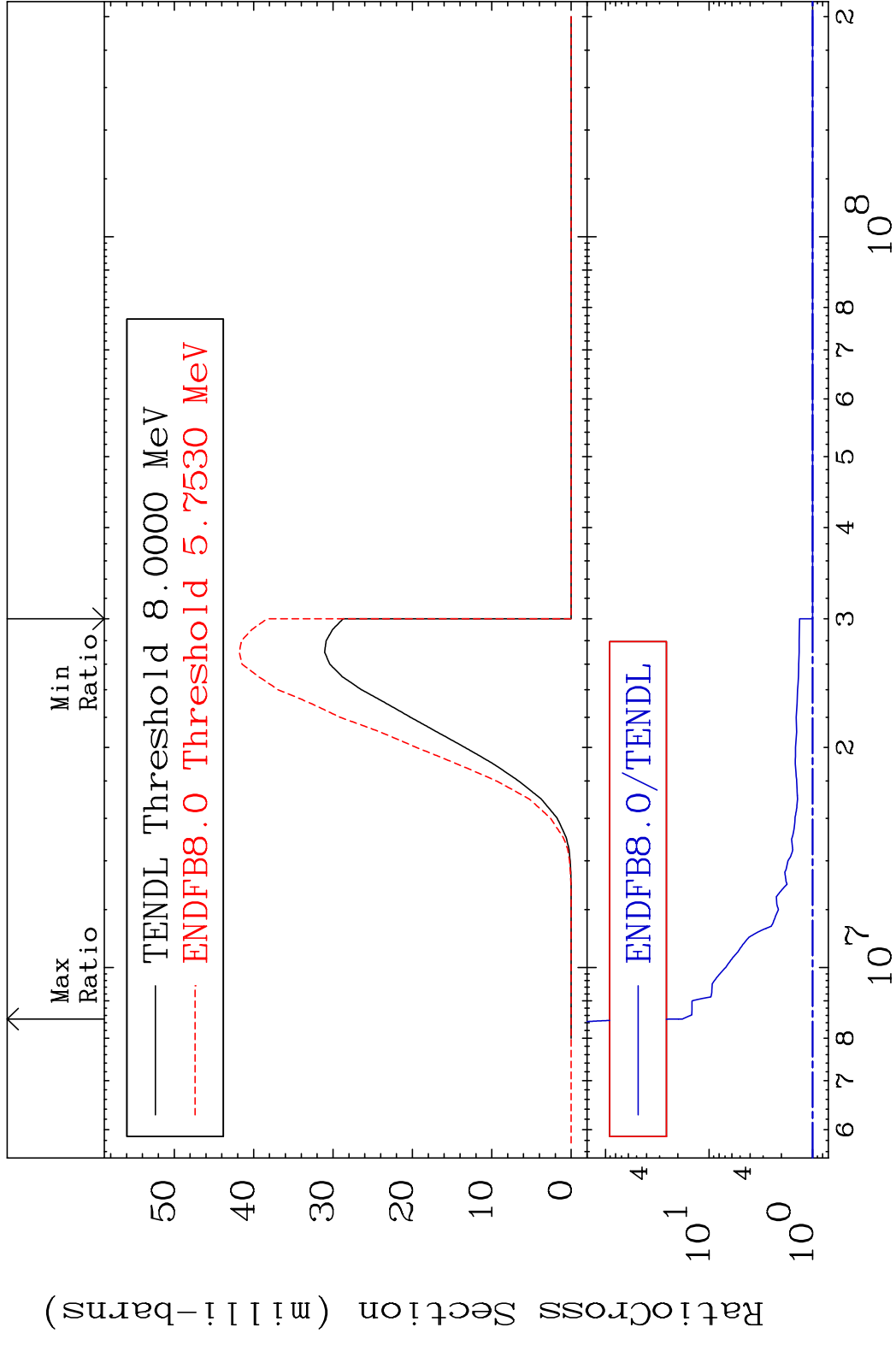
MAT 3634 (n, He-3) : 34-Se-79m1 36-Kr-81
 Radionuclide Production Cross Section Ratio 9999. %



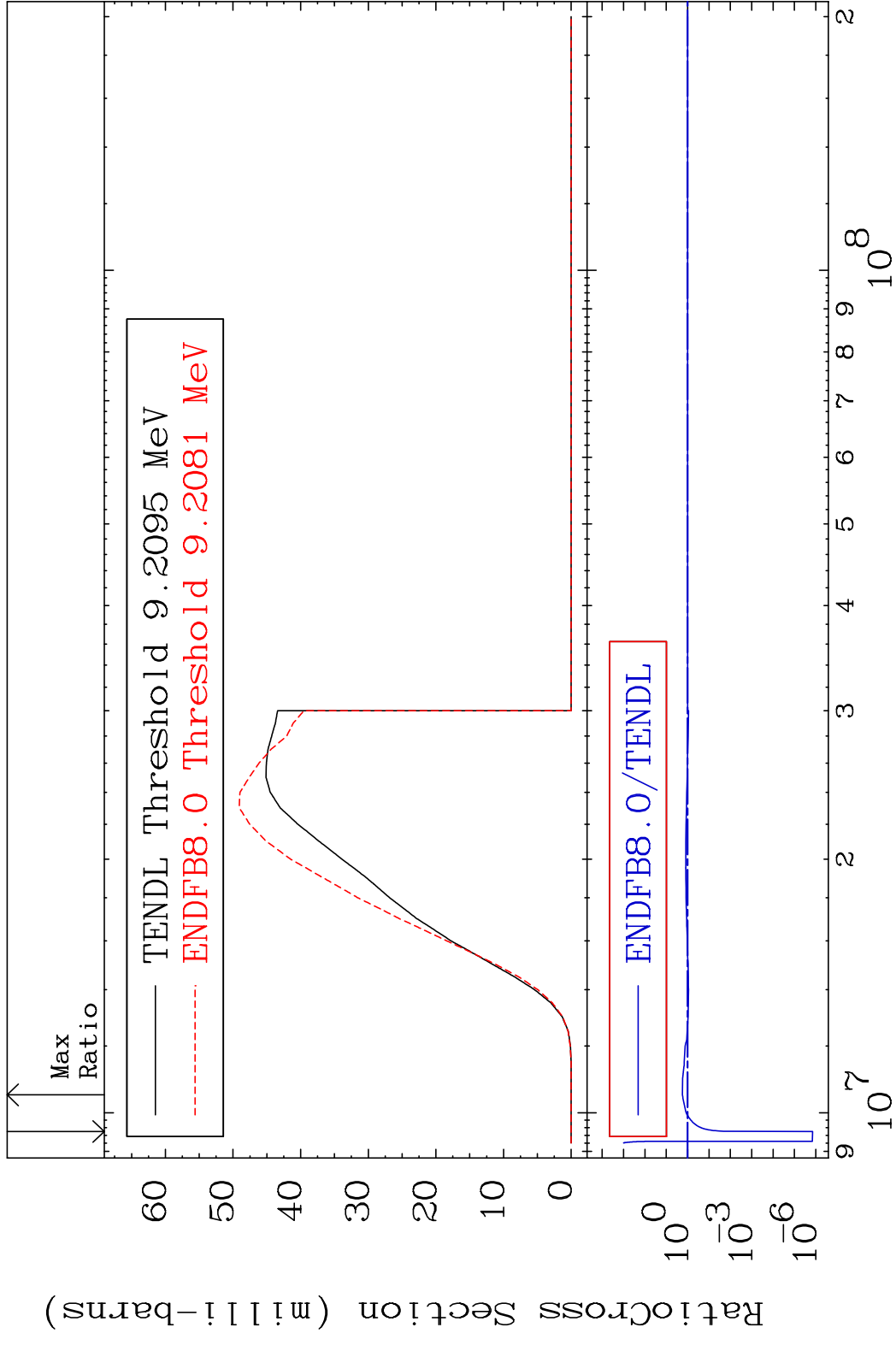
80 Incident Energy (eV) 36-Kr-81



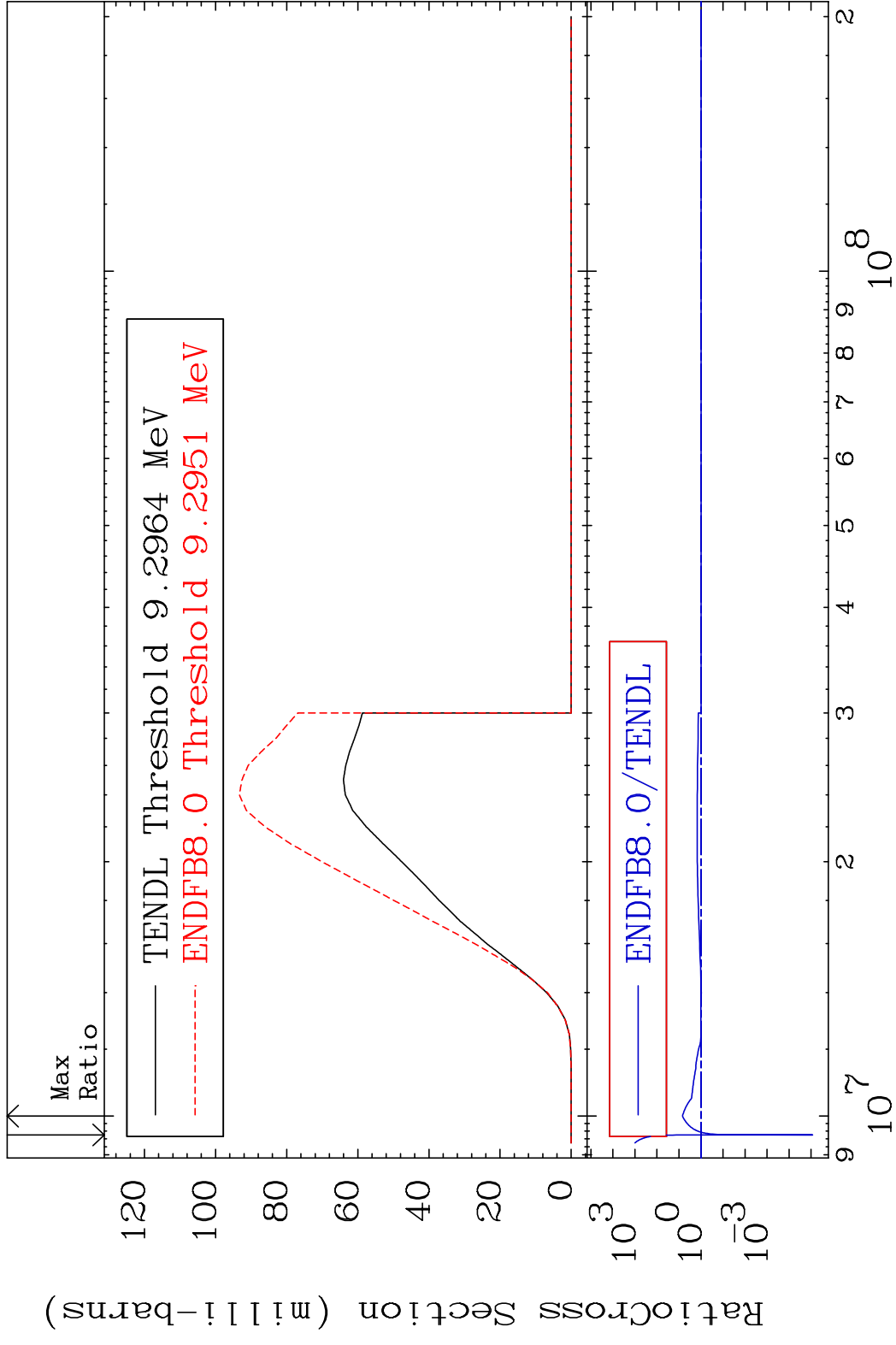
MAT 3634 (n, n') α :34-Se-77m1 36-Kr-81
 Radionuclide Production Cross Section 1709. %



MAT 3634 (n, n') p:35-Br-80g 36-Kr-81
 Radionuclide Production Cross Section 180.0 dth 76.65 %

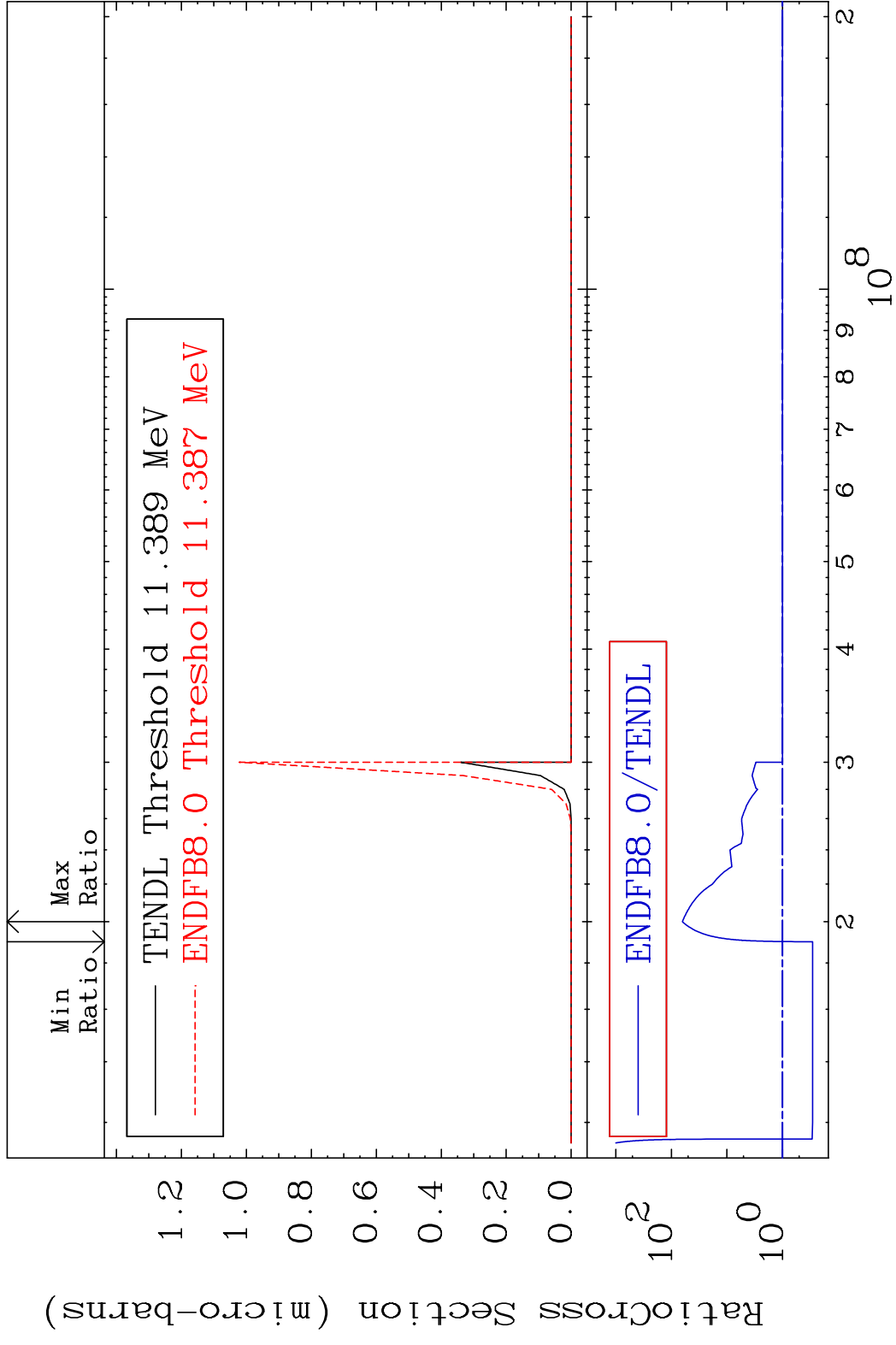


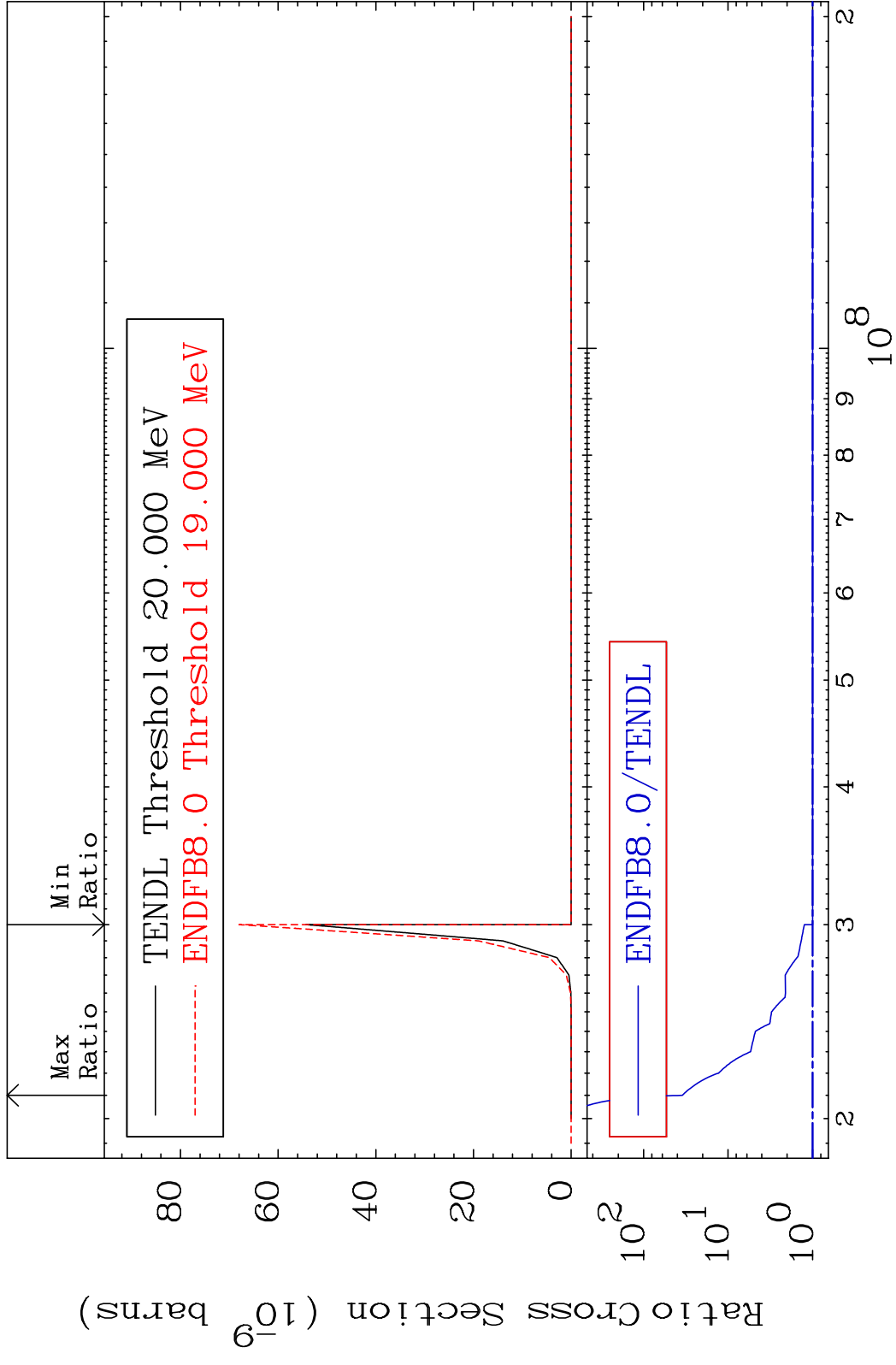
MAT 3634 (n, n') p:35-Br-80m2 36-Kr-81
 Radionuclide Production Cross Section Ratio 602.2 %

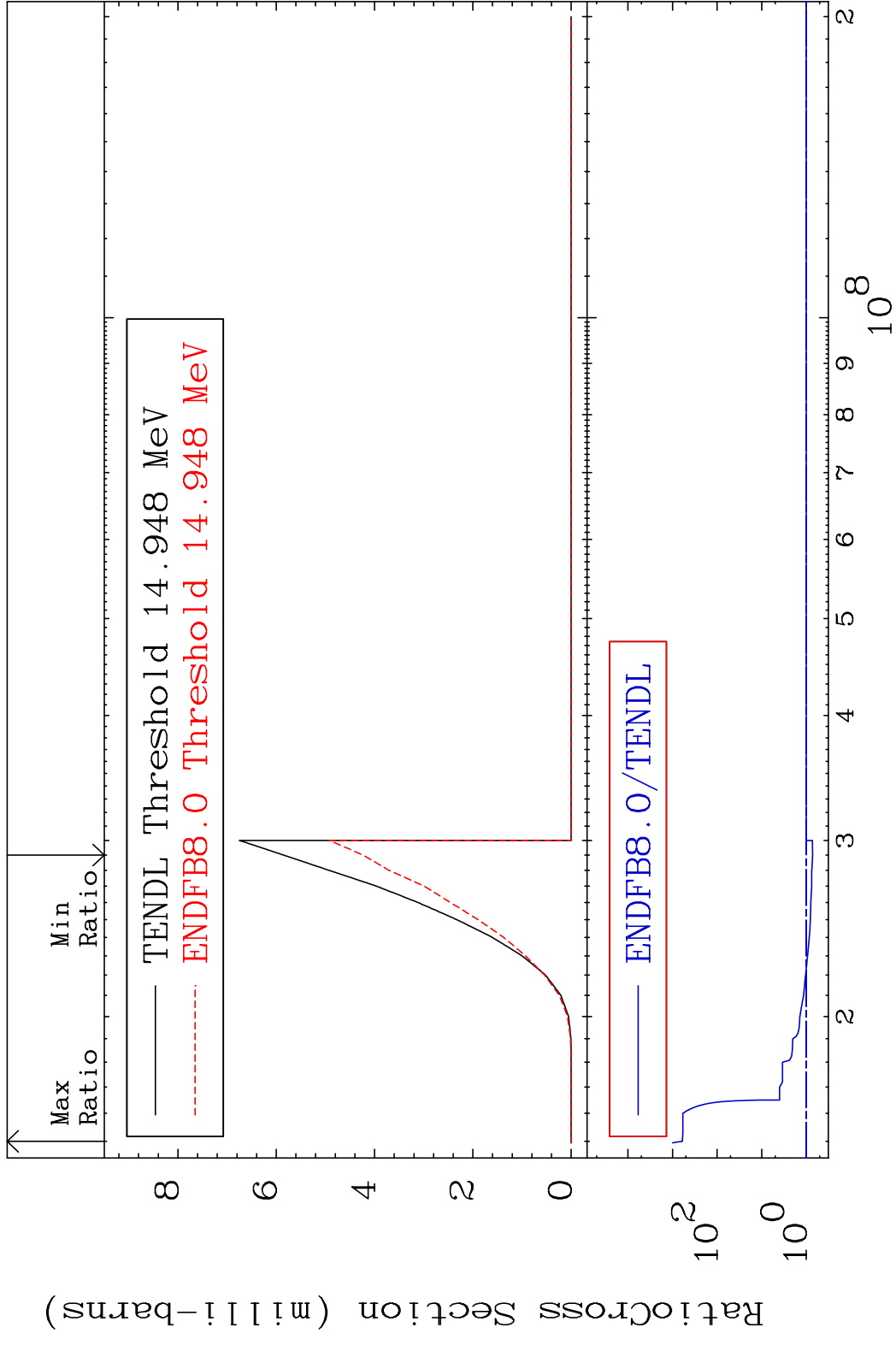


84 Incident Energy (eV) 36-Kr-81

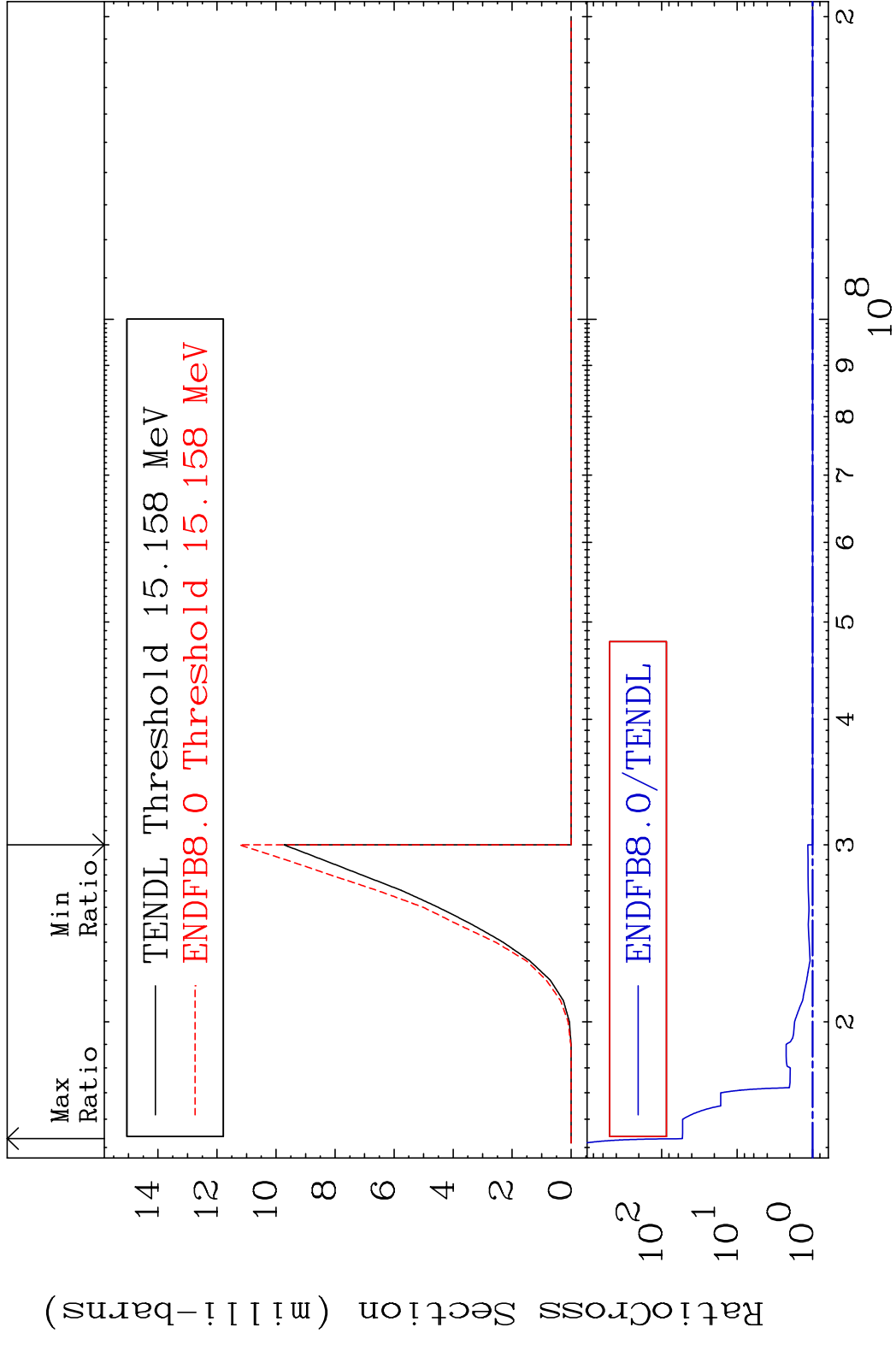
MAT 3634 (n, n') ^{232}Ge - ^{73}g ^{36}Kr -81
 Radionuclide Production Cross Section to 6237. %

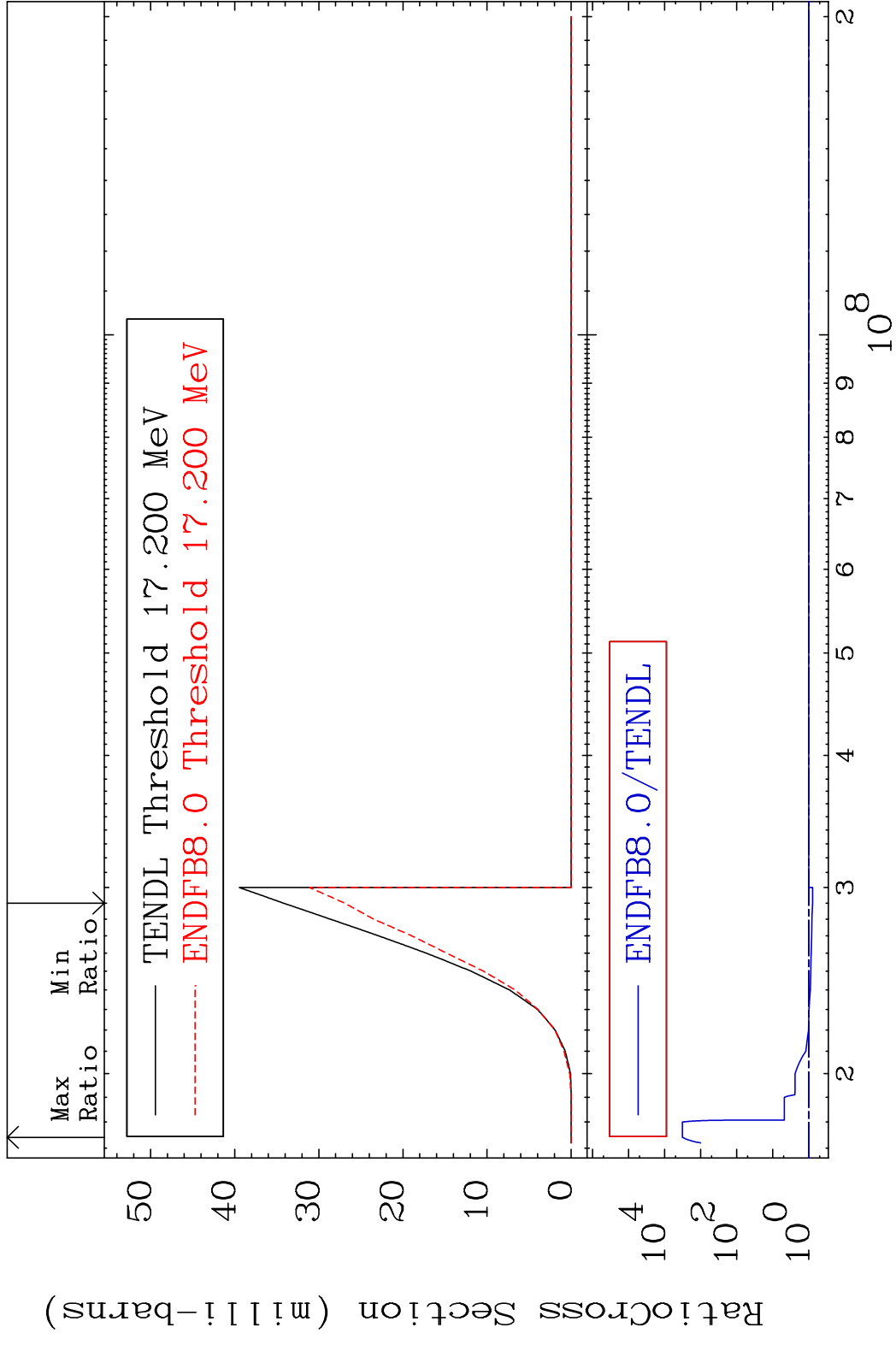


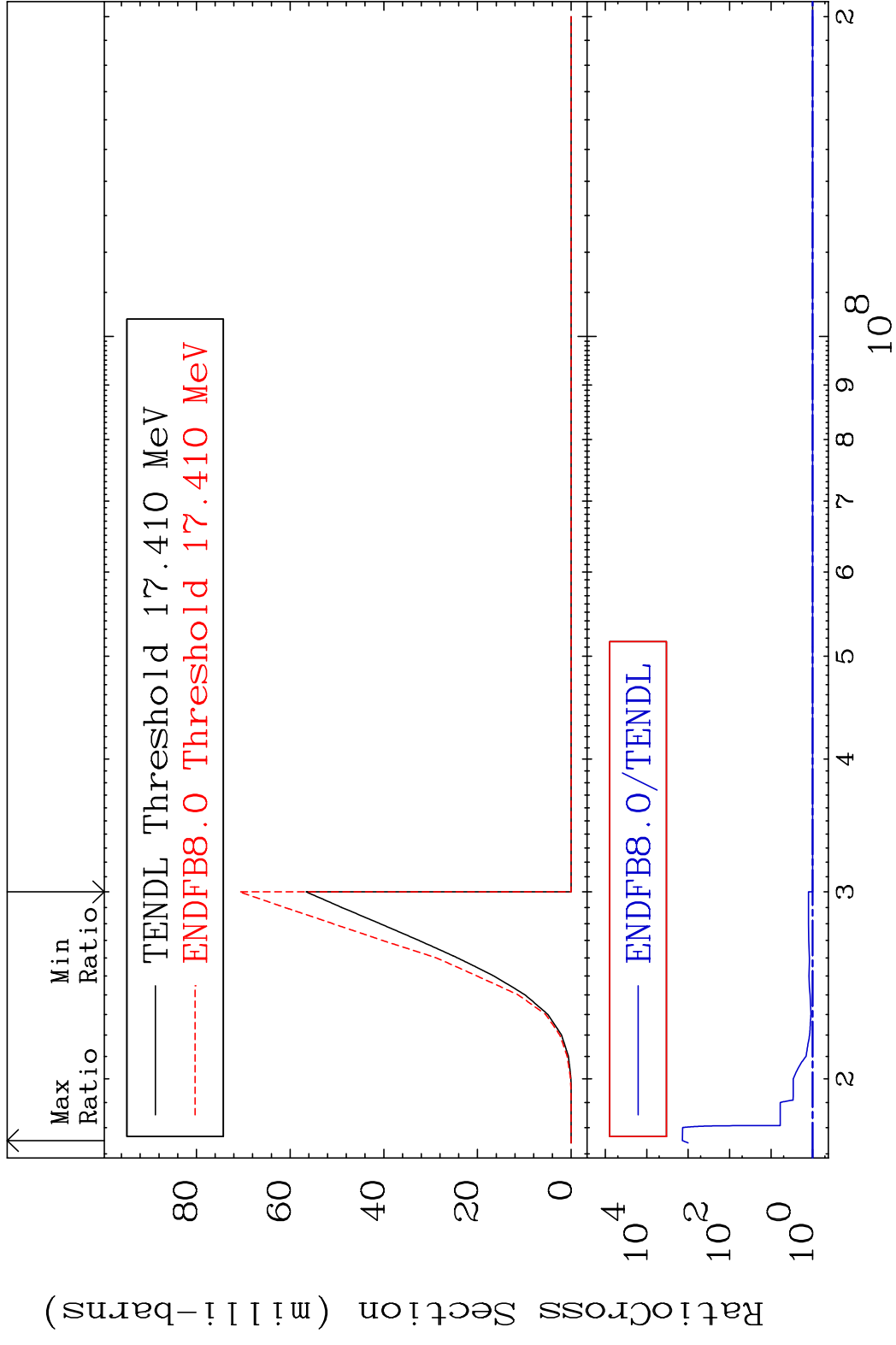


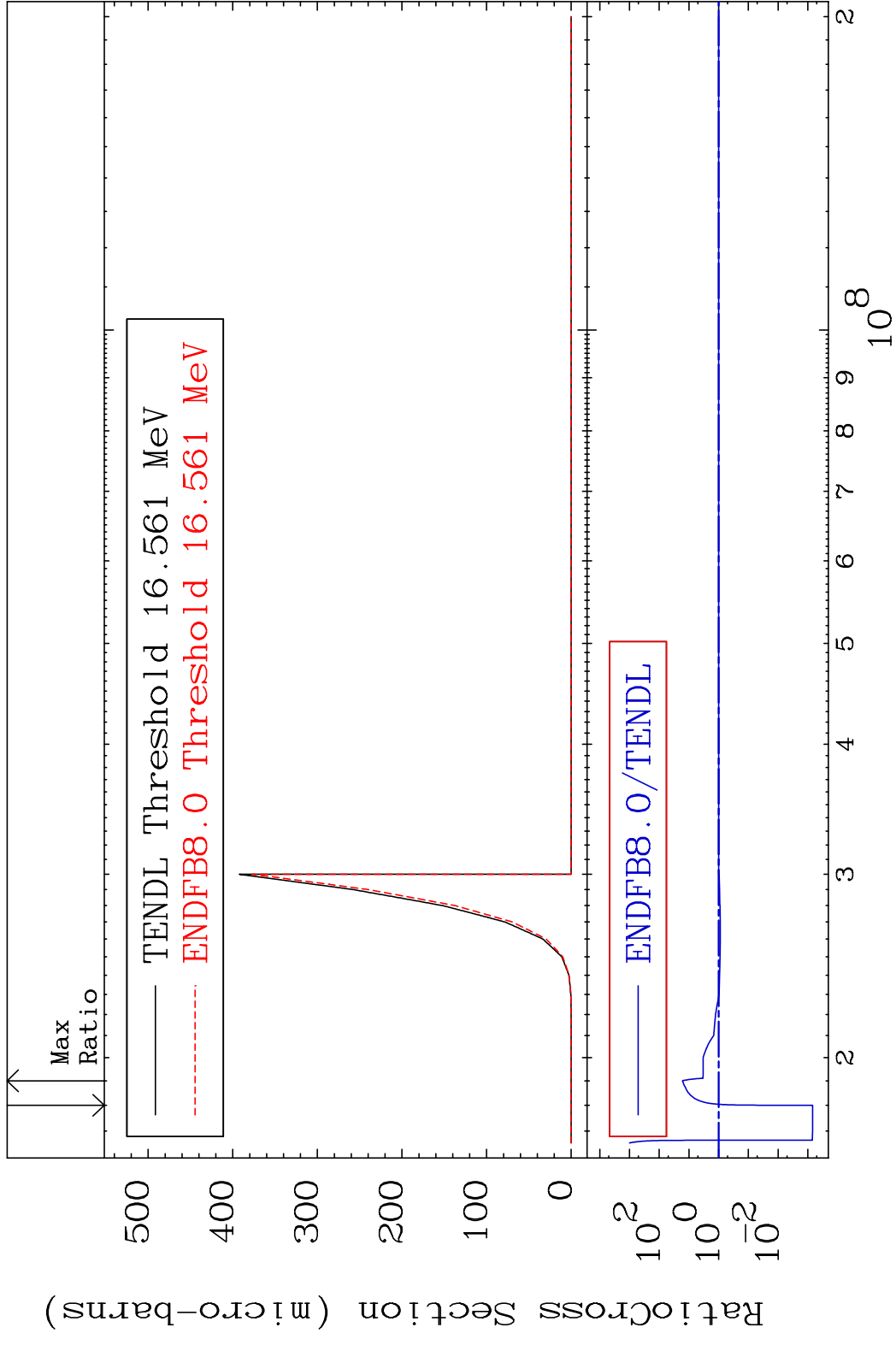


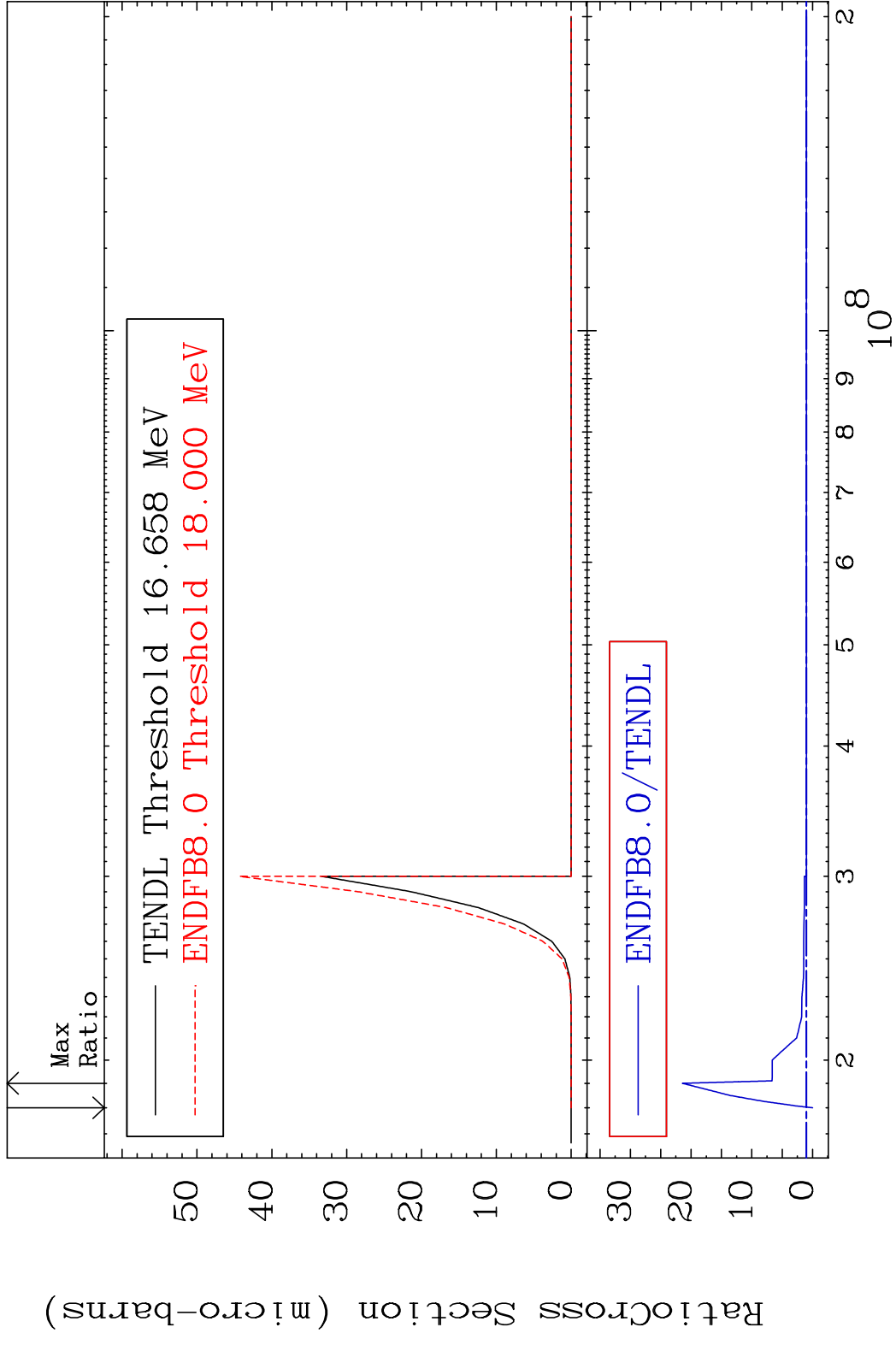
MAT 3634 (n, n') d:35-Br-79m1 36-Kr-81
 Radionuclide Production Cross Section 5214. %



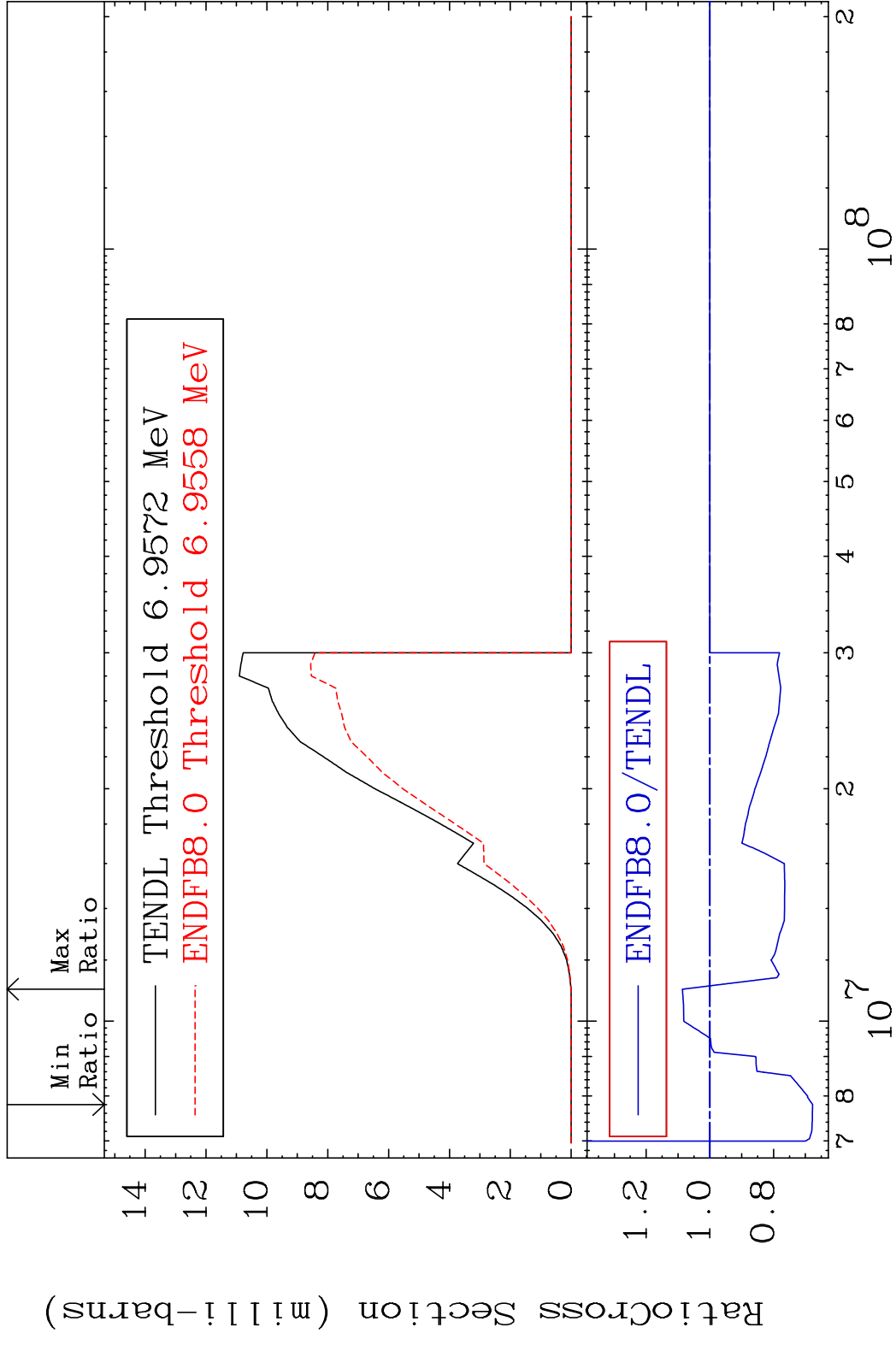




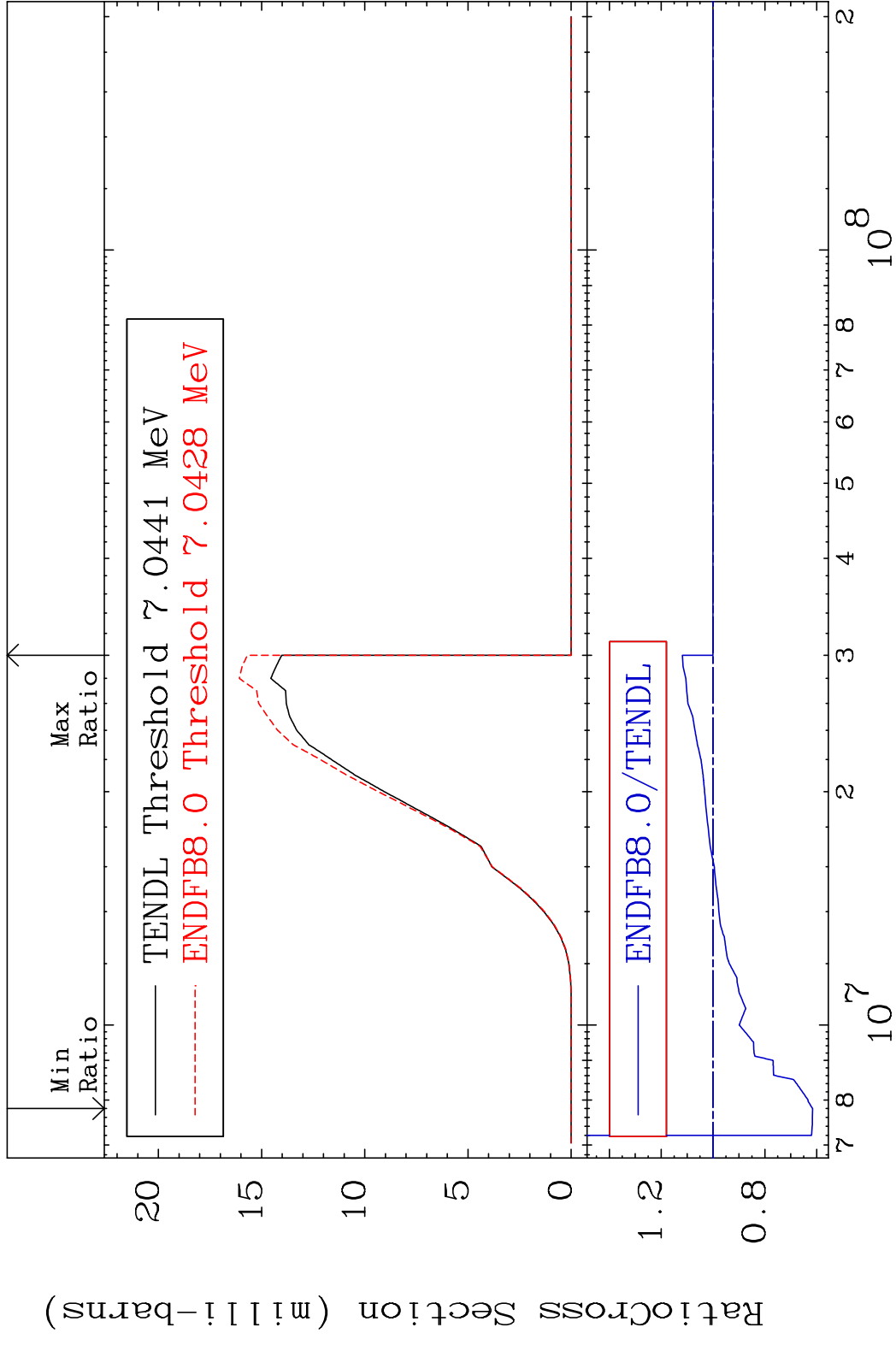




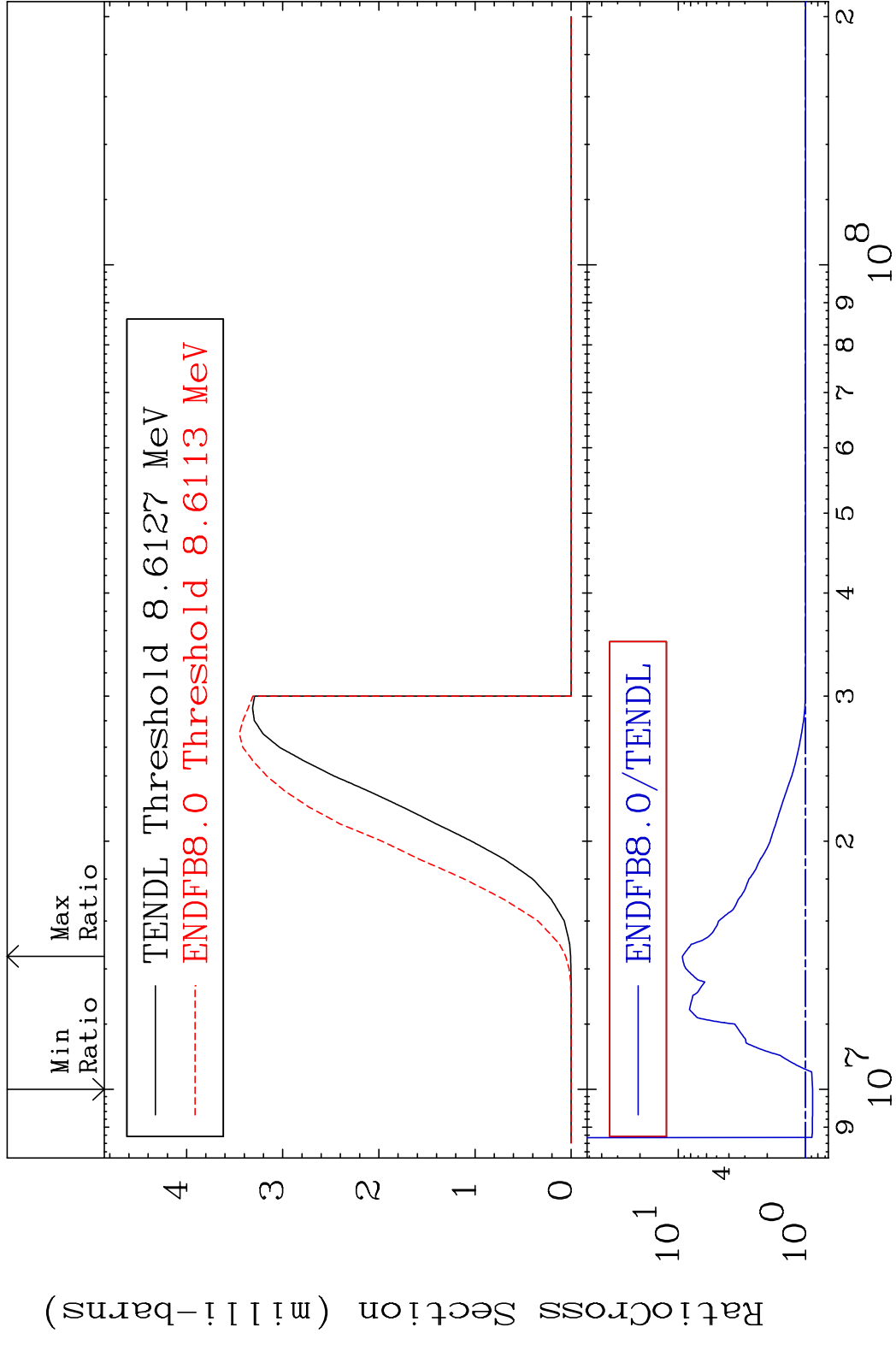
MAT 3634 (n, d) : 35-Br-80g 36-Kr-81
 Radionuclide Production Cross Section 8.638 %



MAT 3634 (n, d):35-Br-80m2 36-Kr-81
 Radionuclide Production Cross Section 11.83 %

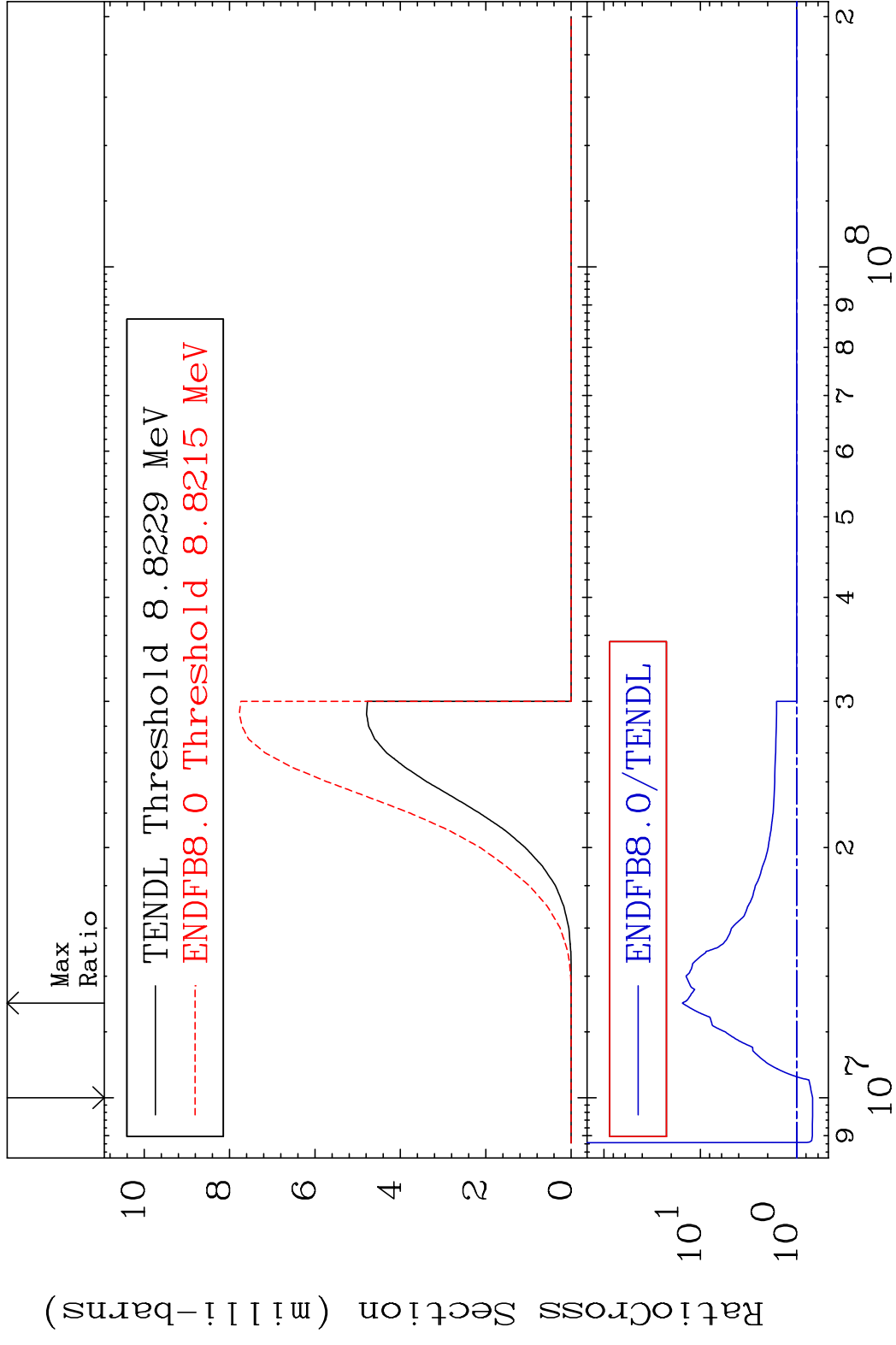


MAT 3634 (n, t): 35-Br-79g 36-Kr-81
 Radionuclide Production Cross Section 829.3 %

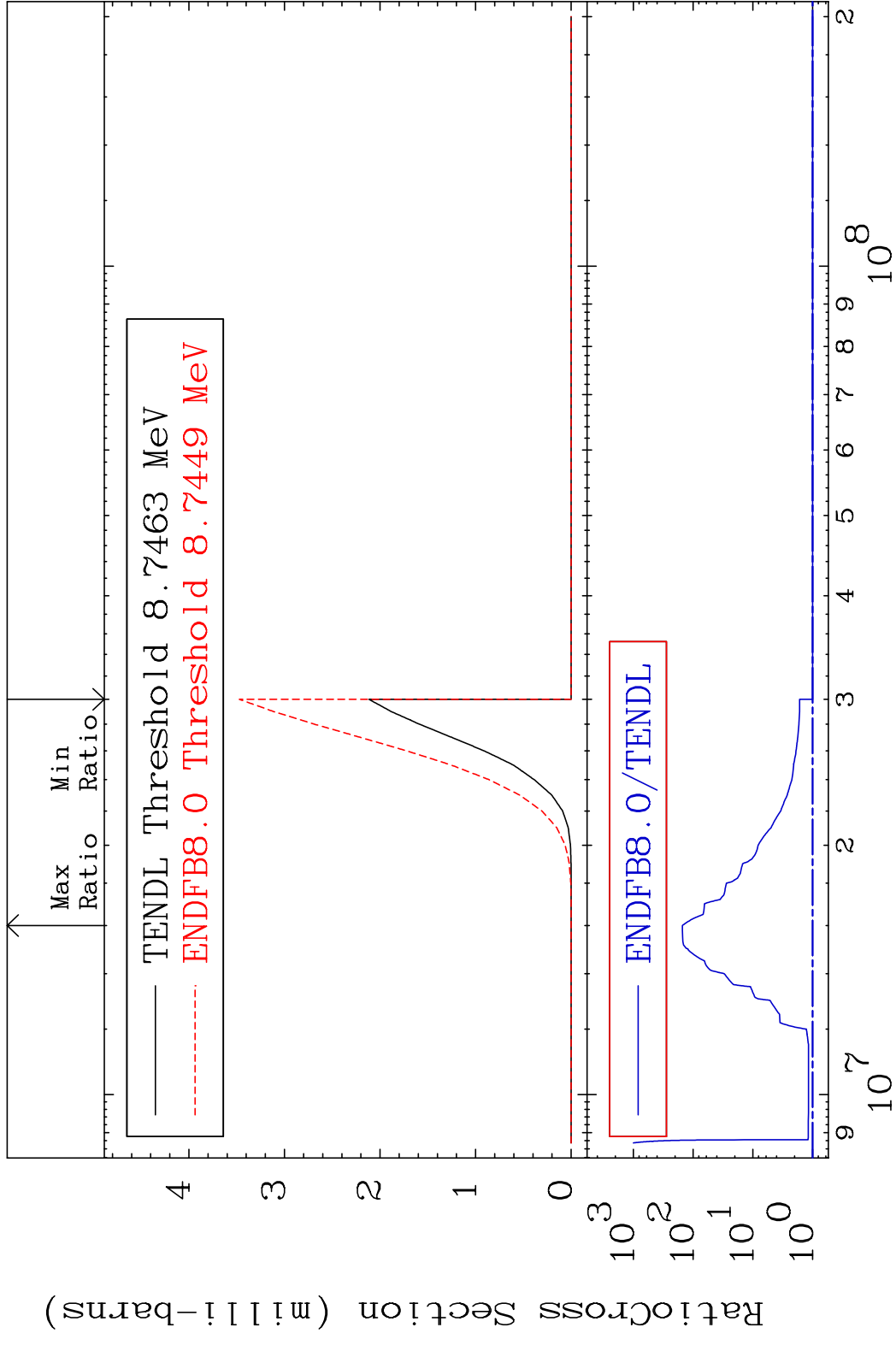


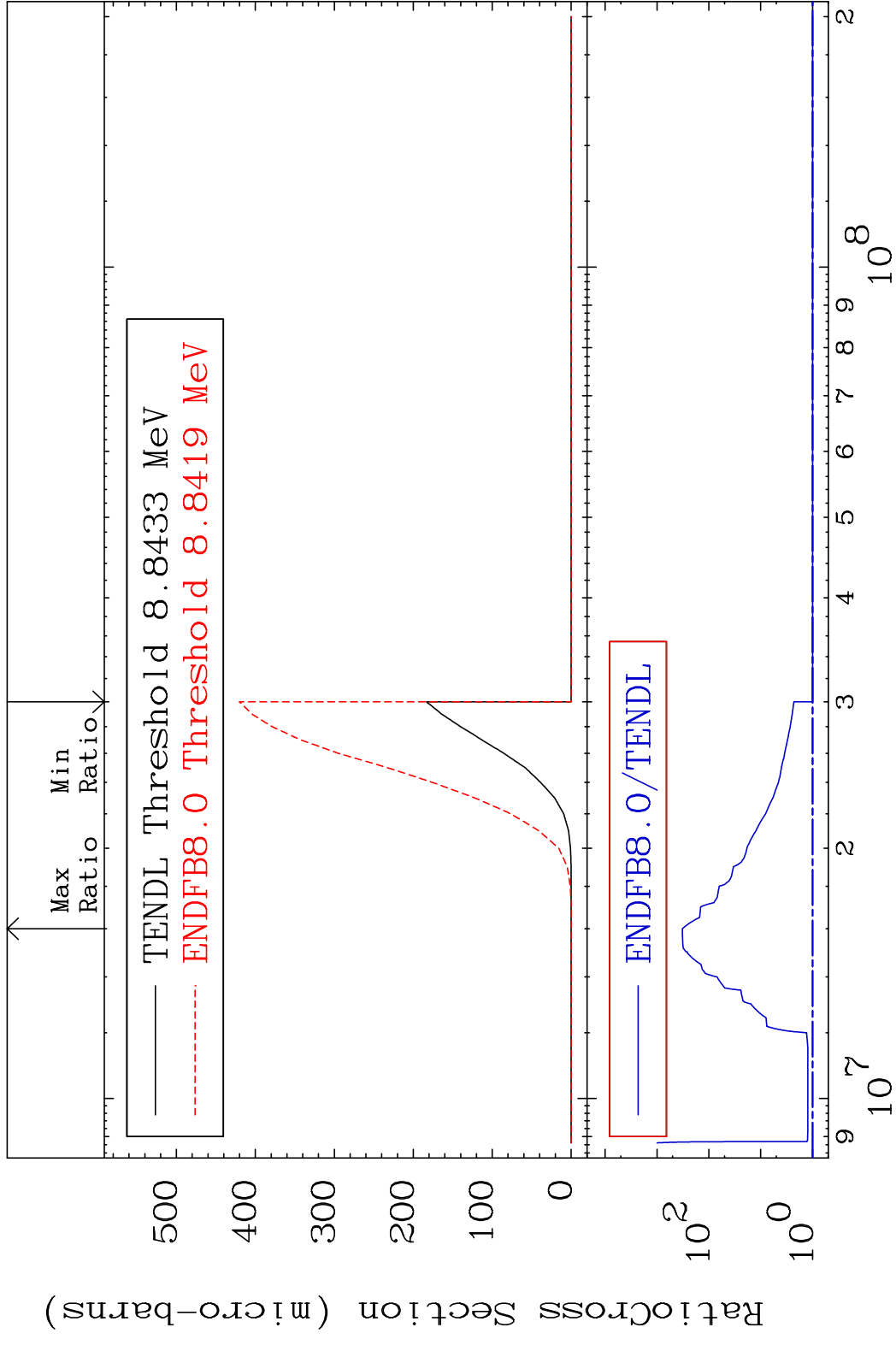
95 Incident Energy (eV) 36-Kr-81

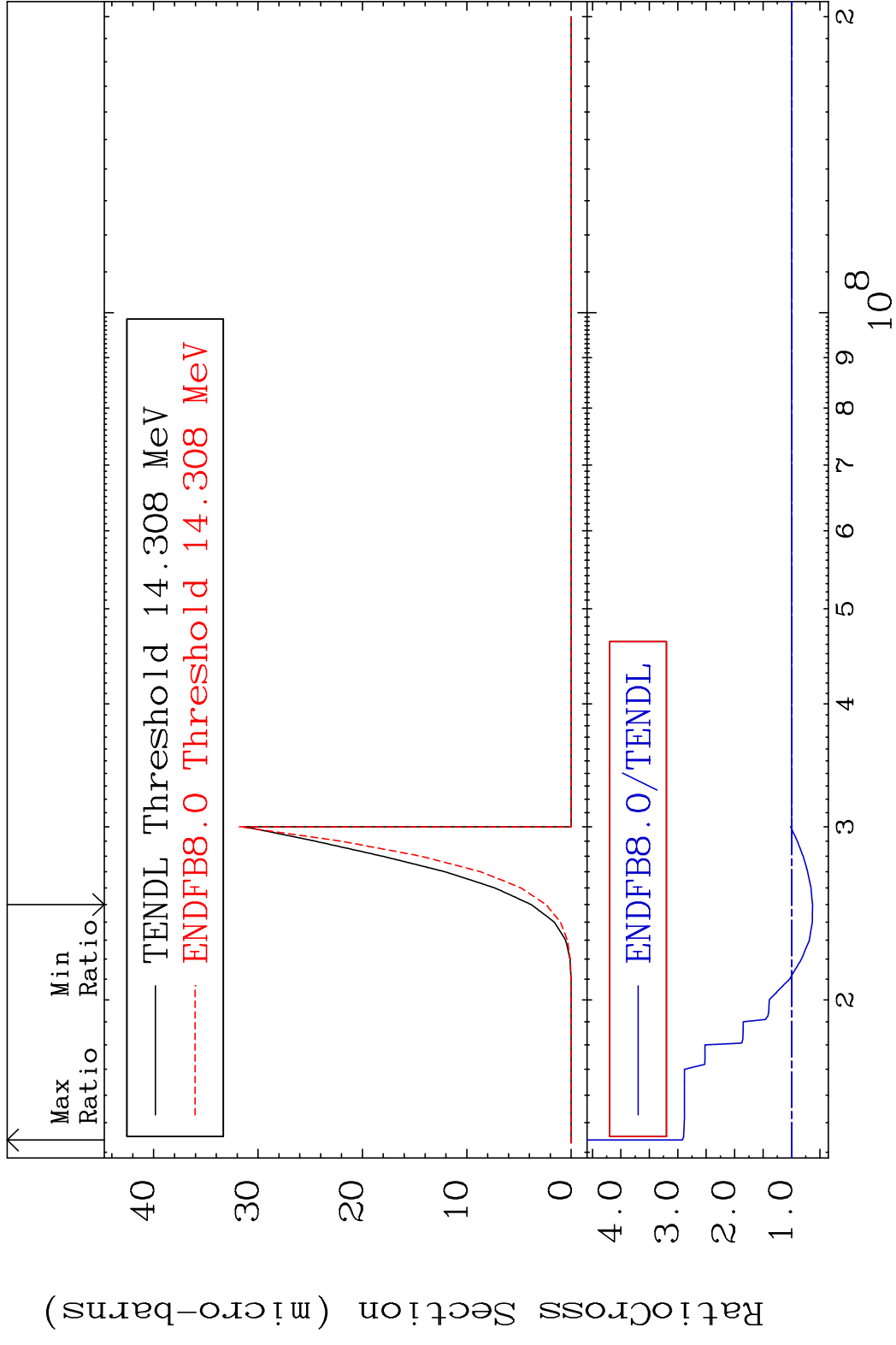
MAT 3634 (n, t): 35-Br-79m1 36-Kr-81
 Radionuclide Production Cross Section 1435. %



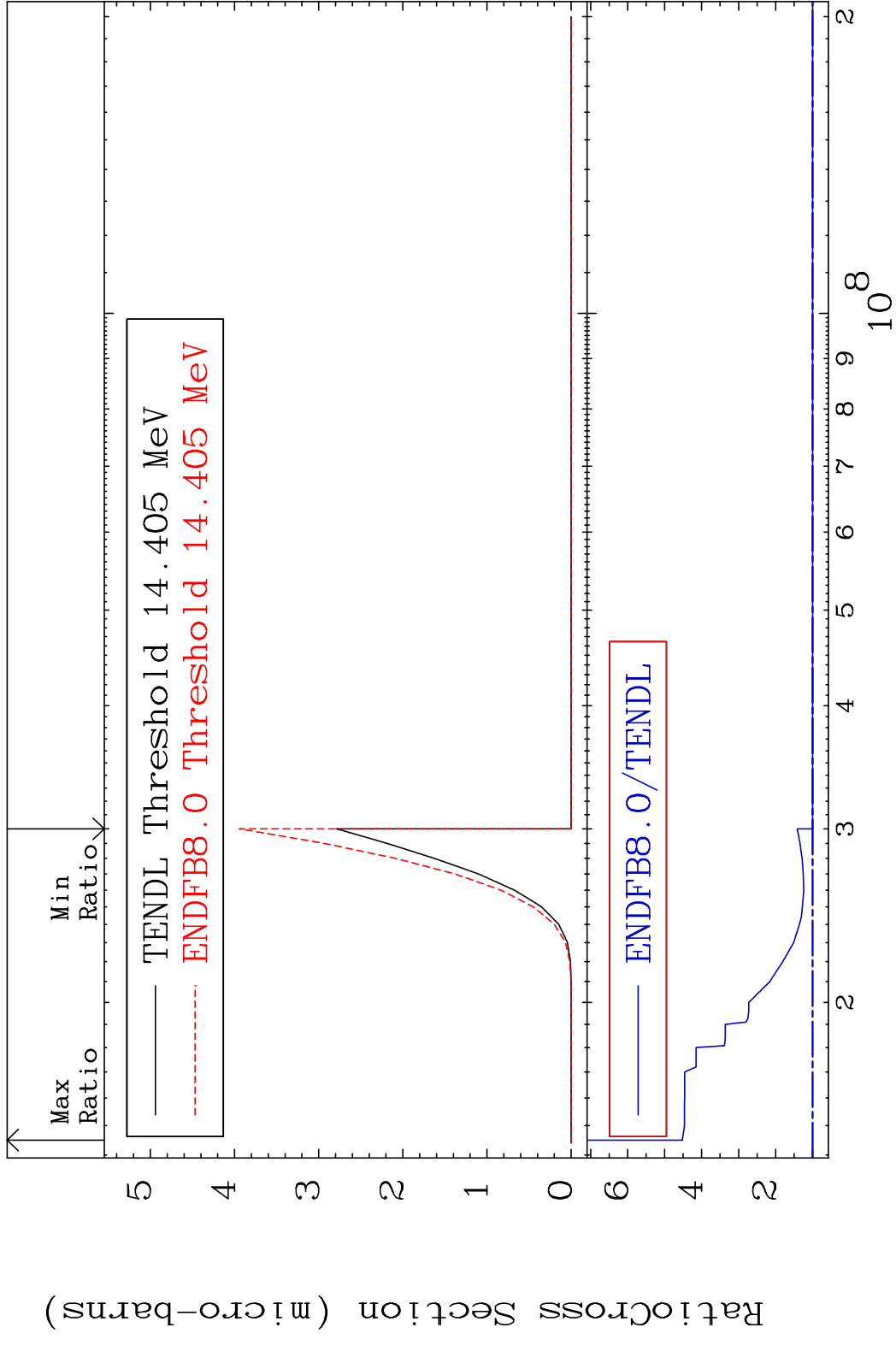
MAT 3634 (n, He-3):34-Se-79g 36-Kr-81
 Radionuclide Production Cross Section 9999. %







MAT 3634 (n,p) d:34-Se-79m1 36-Kr-81
 Radionuclide Production Cross Section 352.2 %



100 Incident Energy (eV) 36-Kr-81