

Program Complot
(Version 2021-1)

by

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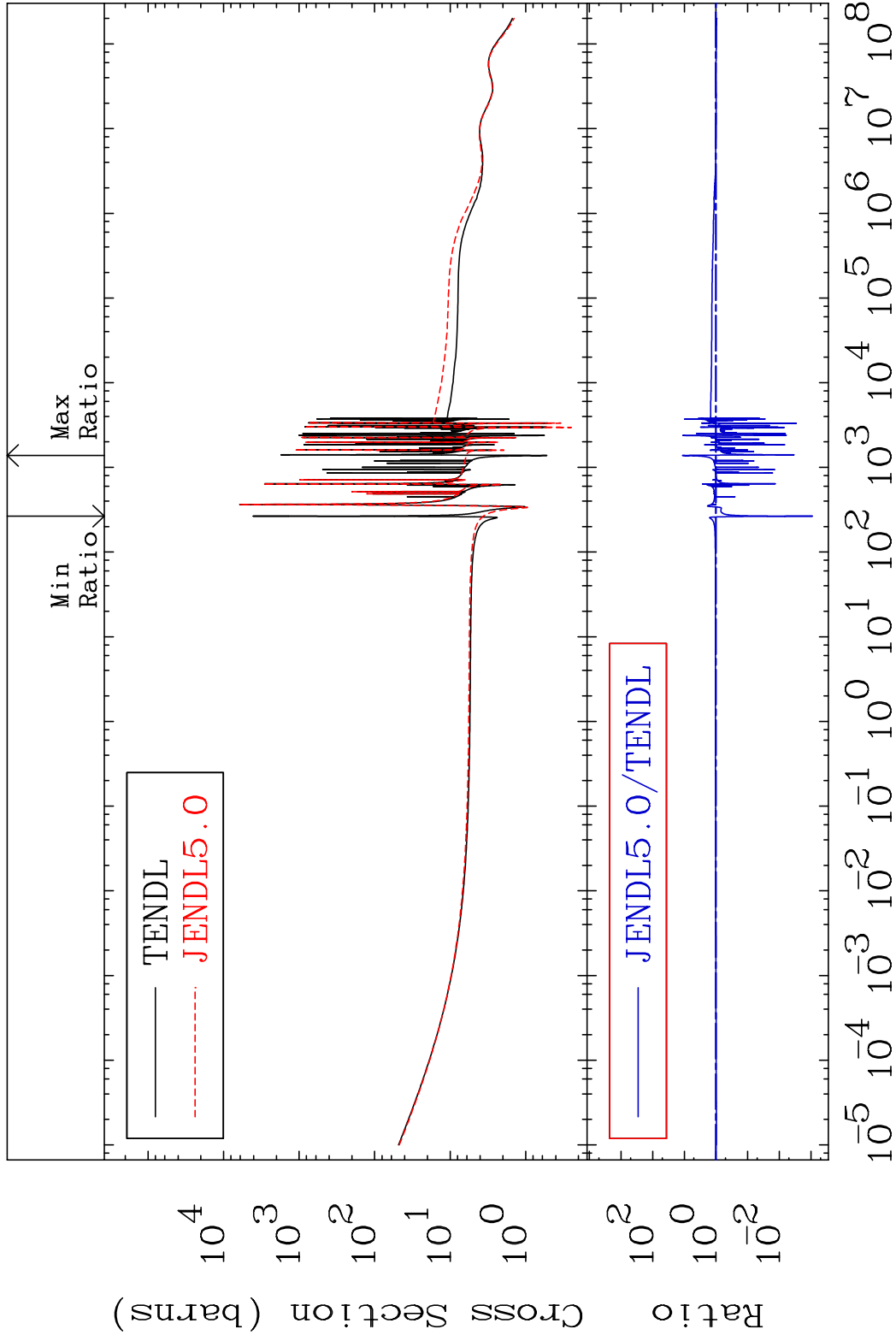
Press Mouse Button to Start

MAT 3825

Total

38-Sr-84

Cross Section -99.91 To 1057. %



1

Incident Energy (eV)

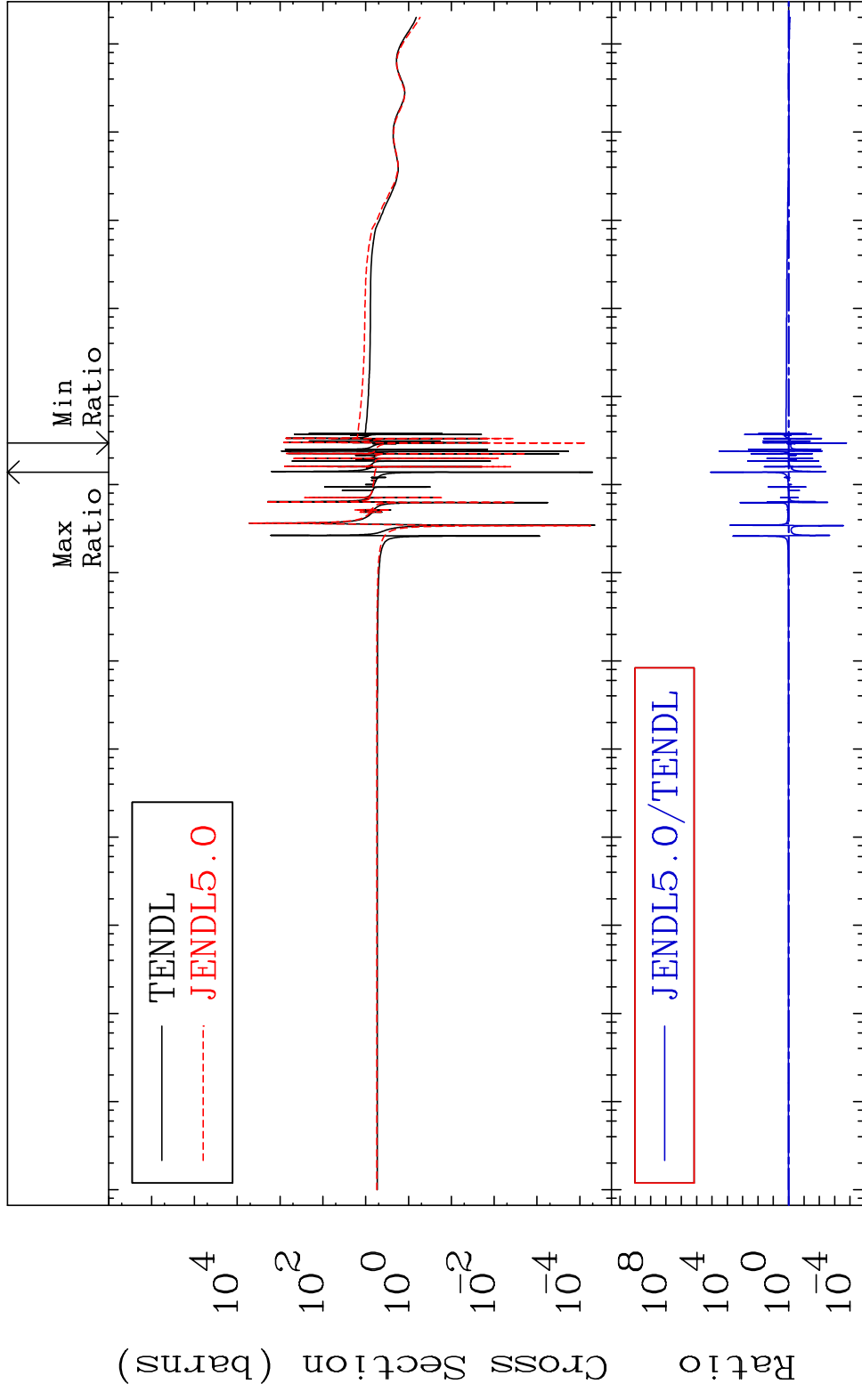
38-Sr-84

MAT 3825

Elastic

38-Sr-84

Cross Section -99.98 To 9999. %



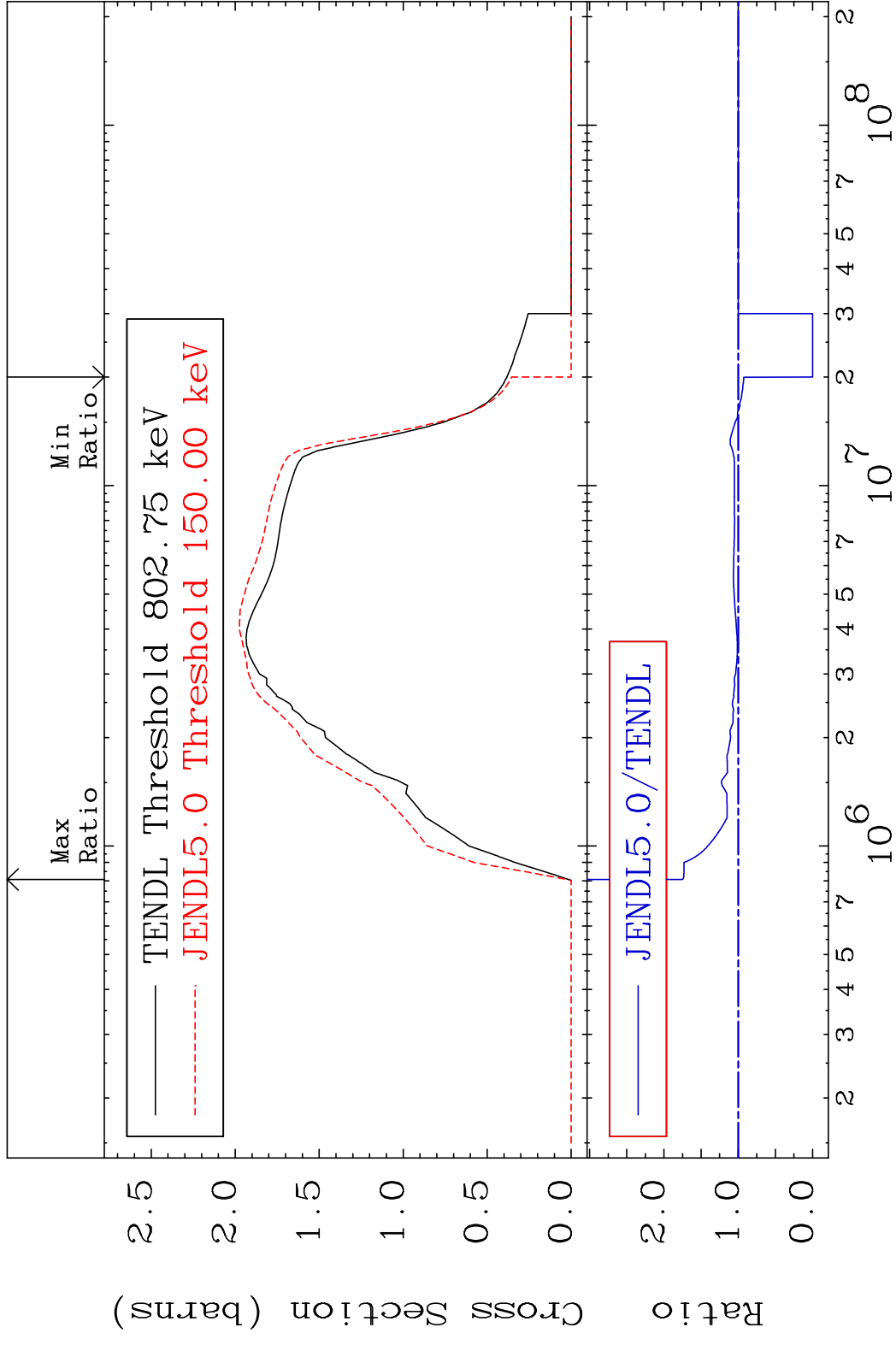
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

38-Sr-84

MAT 3825 Inelastic Cross Section -100.0 To 75.20 % 38-Sr-84

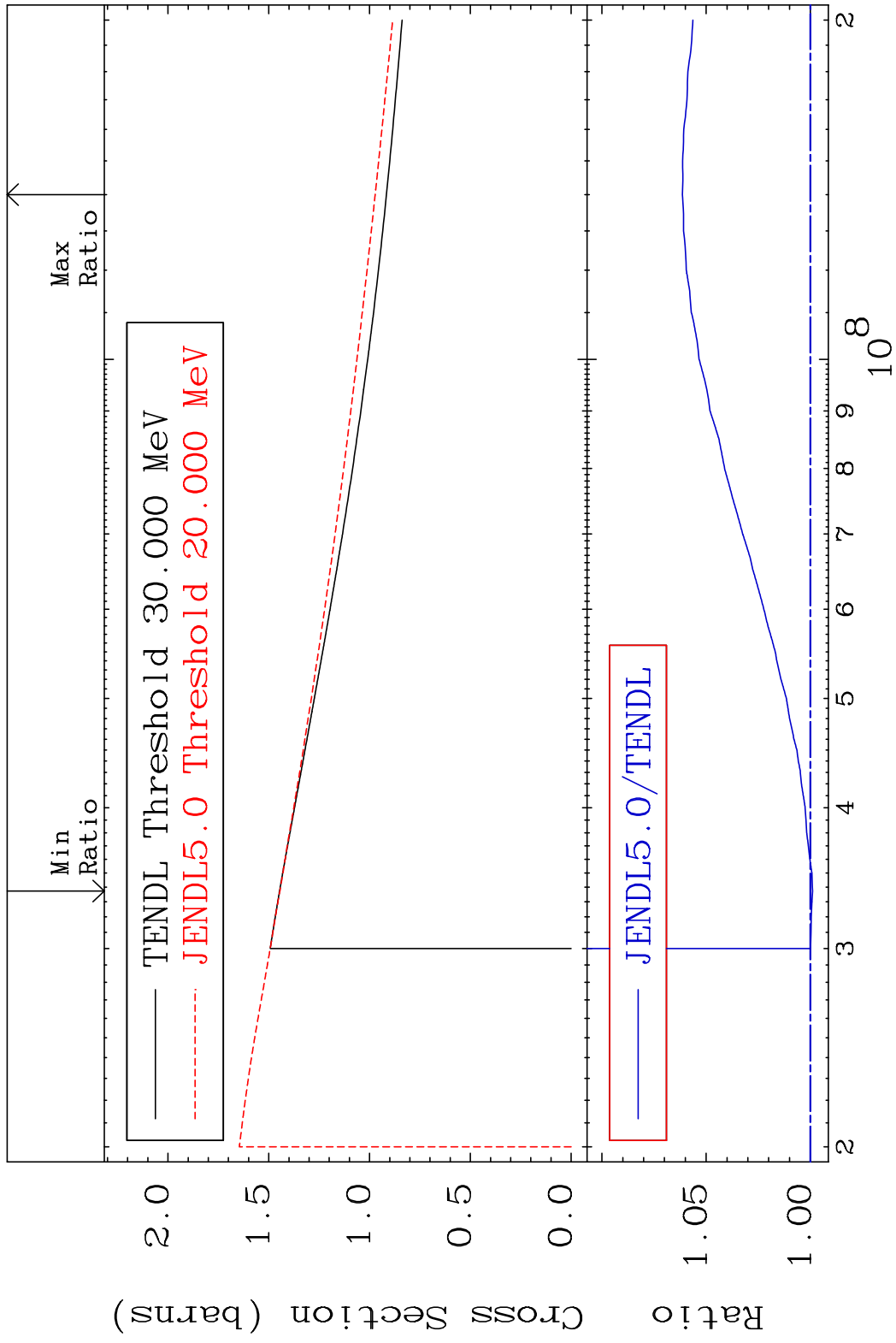


MAT 3825

(n, remainder)

38-Sr-84

Cross Section -0.104 To 6.142 %



4

Incident Energy (eV)

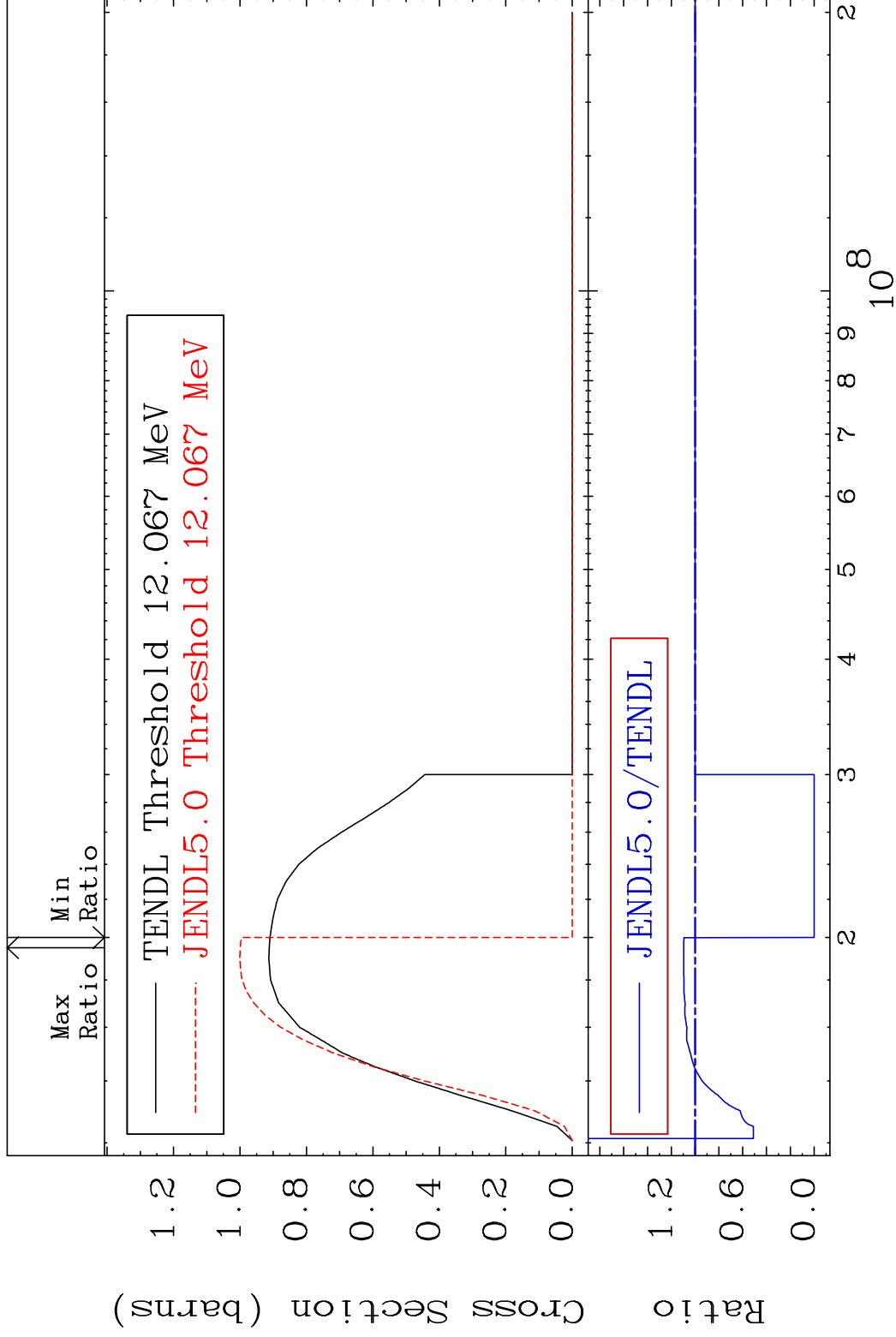
38-Sr-84

MAT 3825

(n,2n)

38-Sr-84

Cross Section -100.0 To 9.626 %

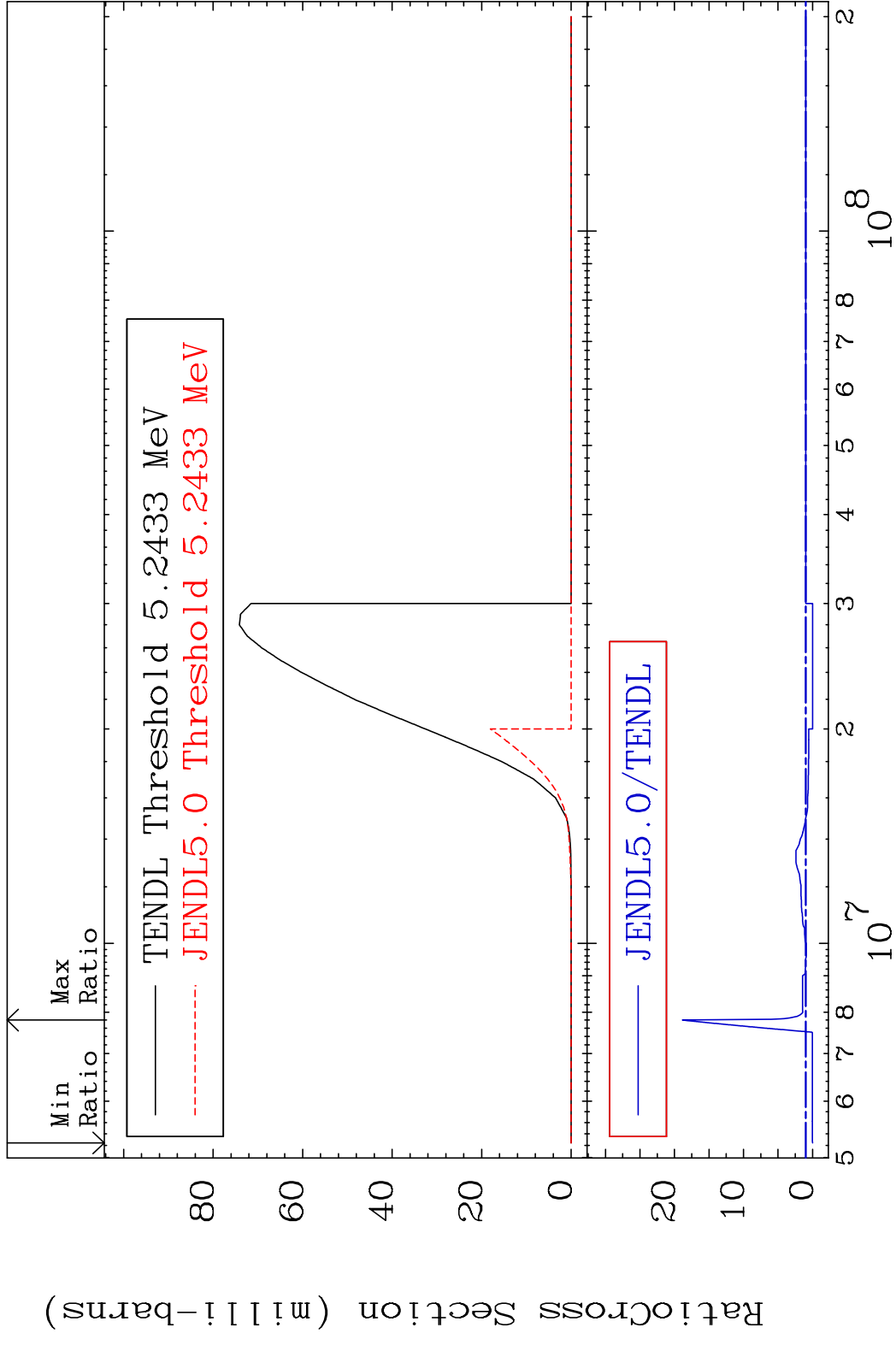


5

Incident Energy (eV)

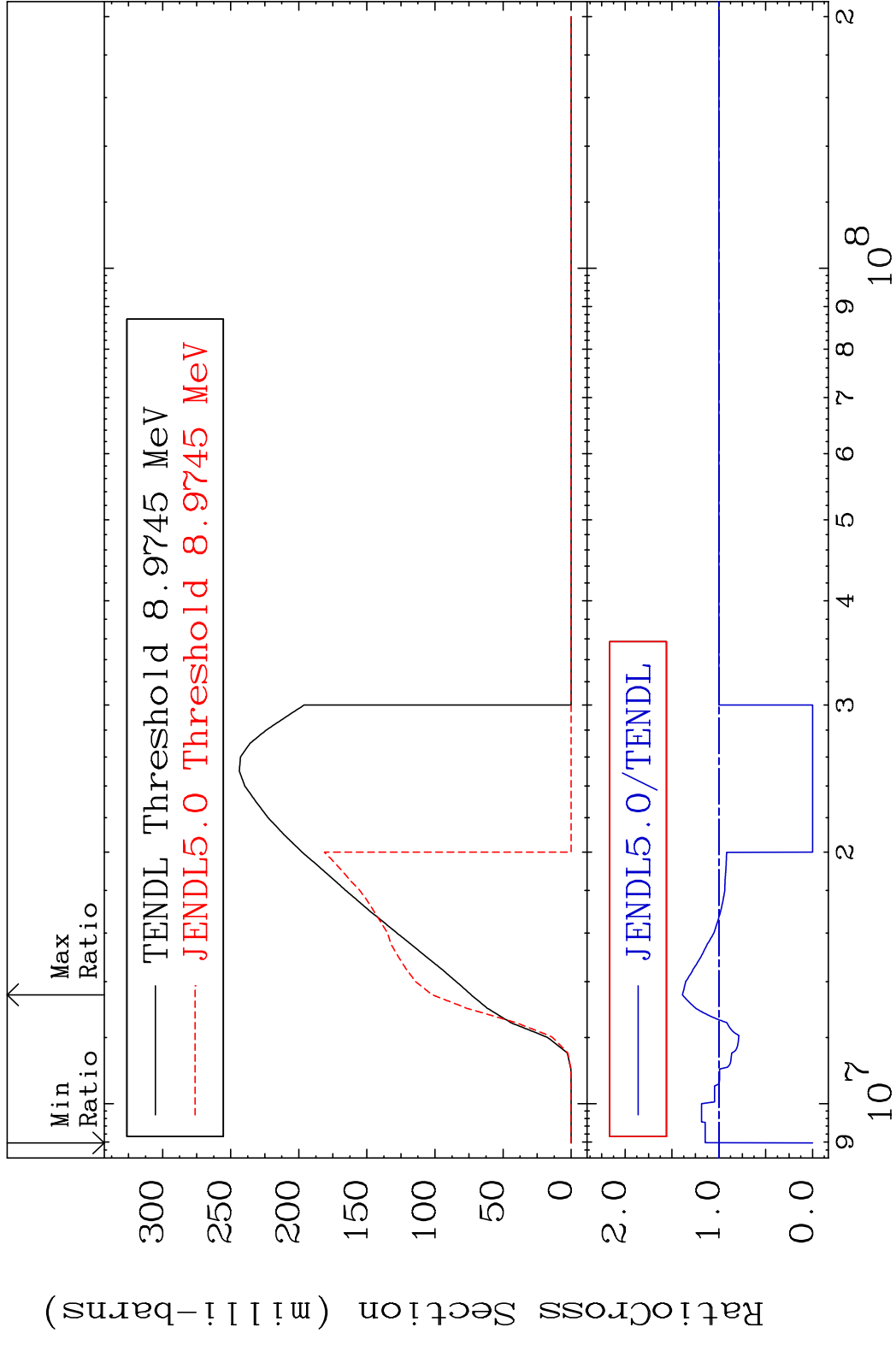
38-Sr-84

MAT 3825 (n, n') α 38-Sr-84
 Cross Section -100.0 To 1786. %

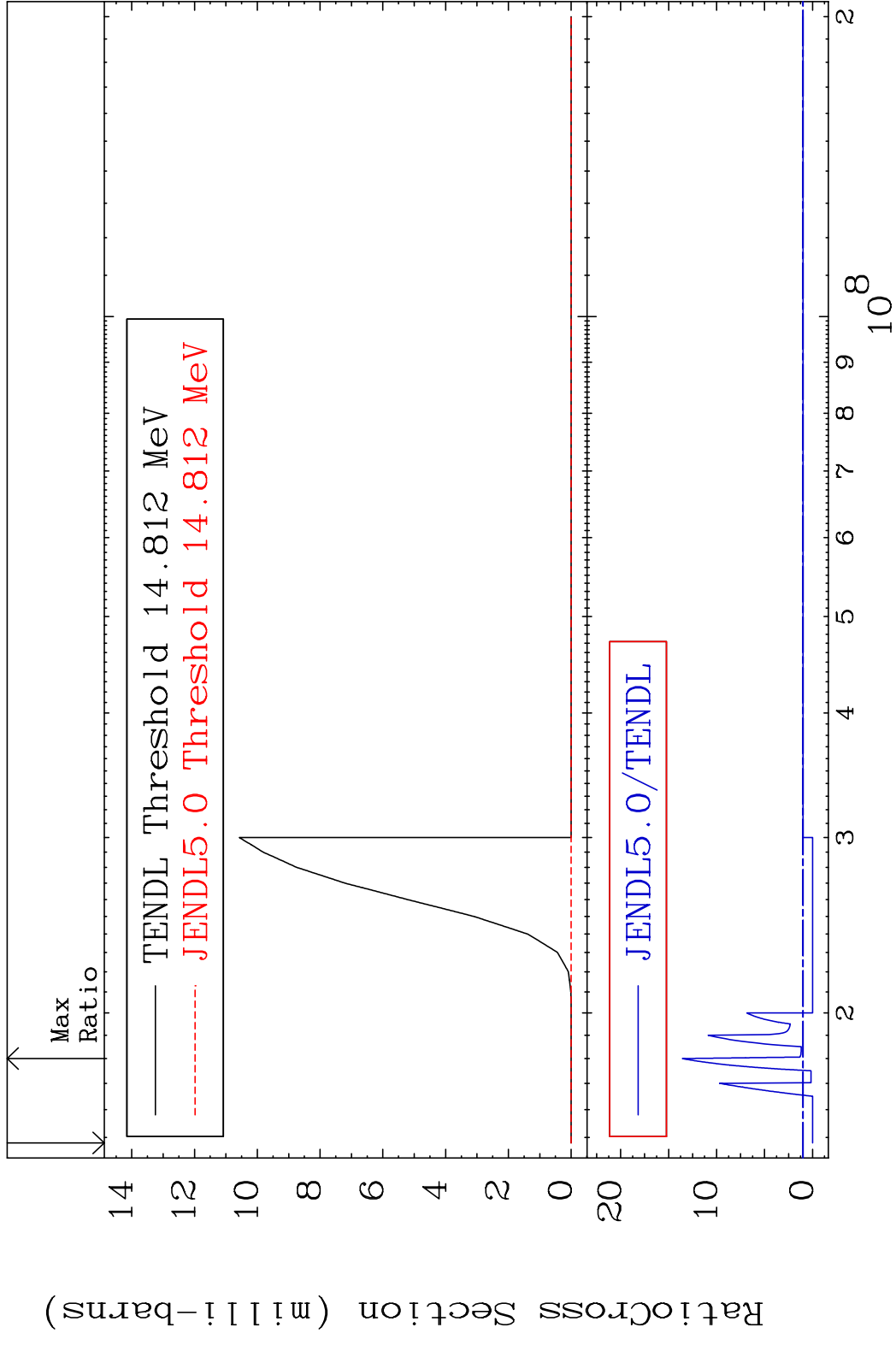


6 Incident Energy (eV) 38-Sr-84

MAT 3825 (n, n') p 38-Sr-84
 Cross Section -100.0 To 38.94 %

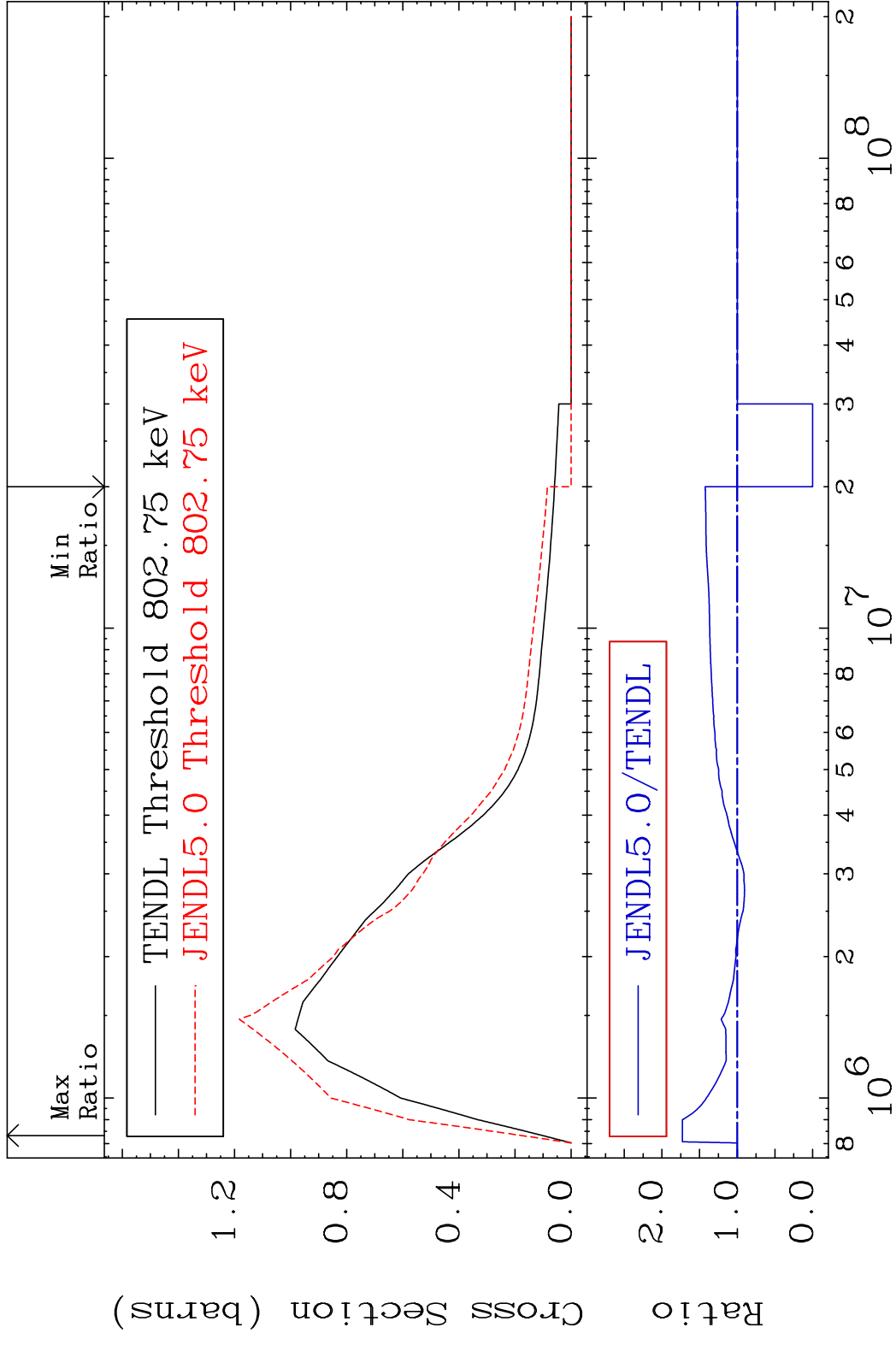


MAT 3825 (n,2n) p 38-Sr-84
 Cross Section -100.0 To 1257. %

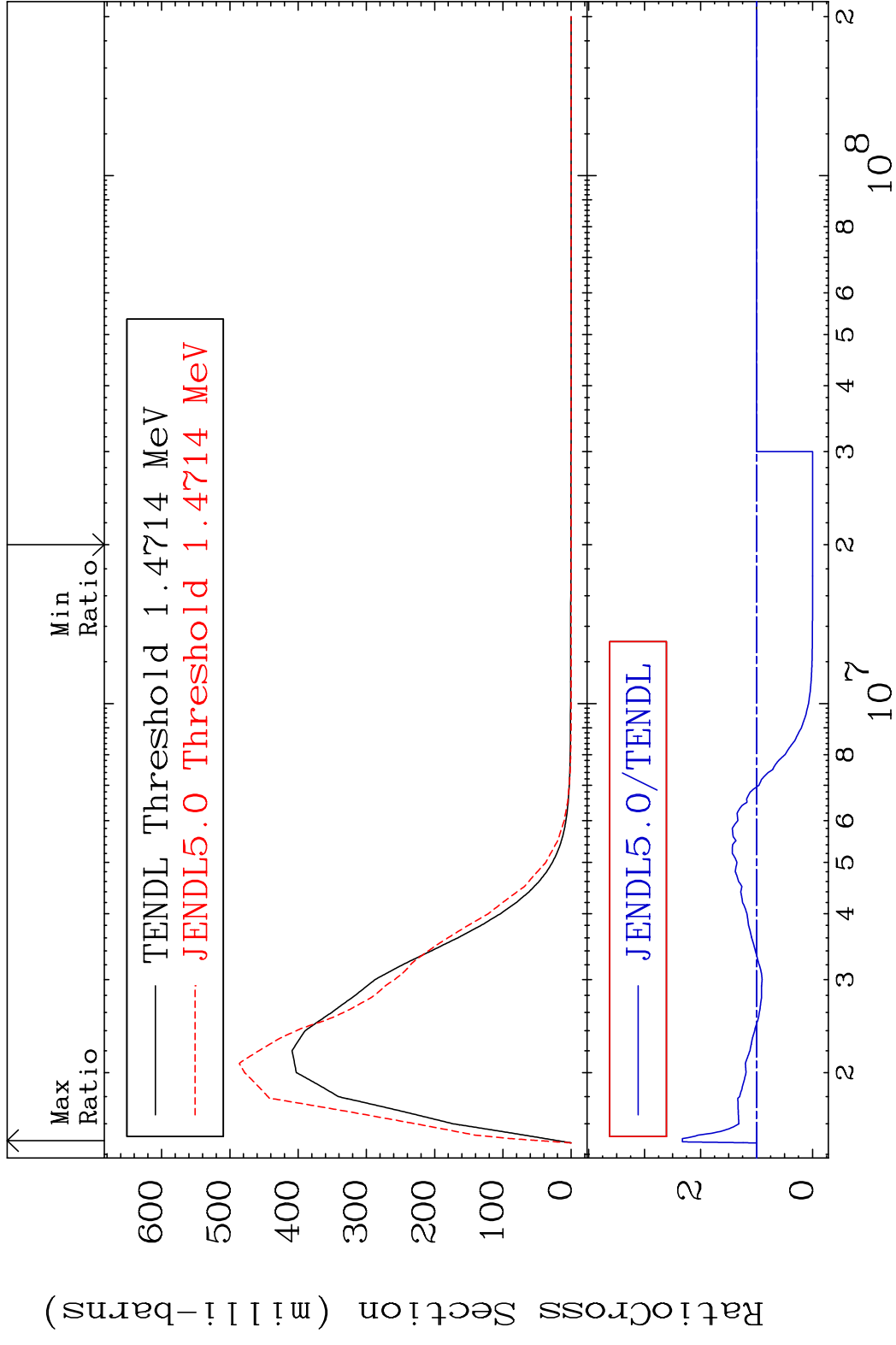


8 Incident Energy (eV) 38-Sr-84

MAT 3825 MT= 51 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 72.87 %

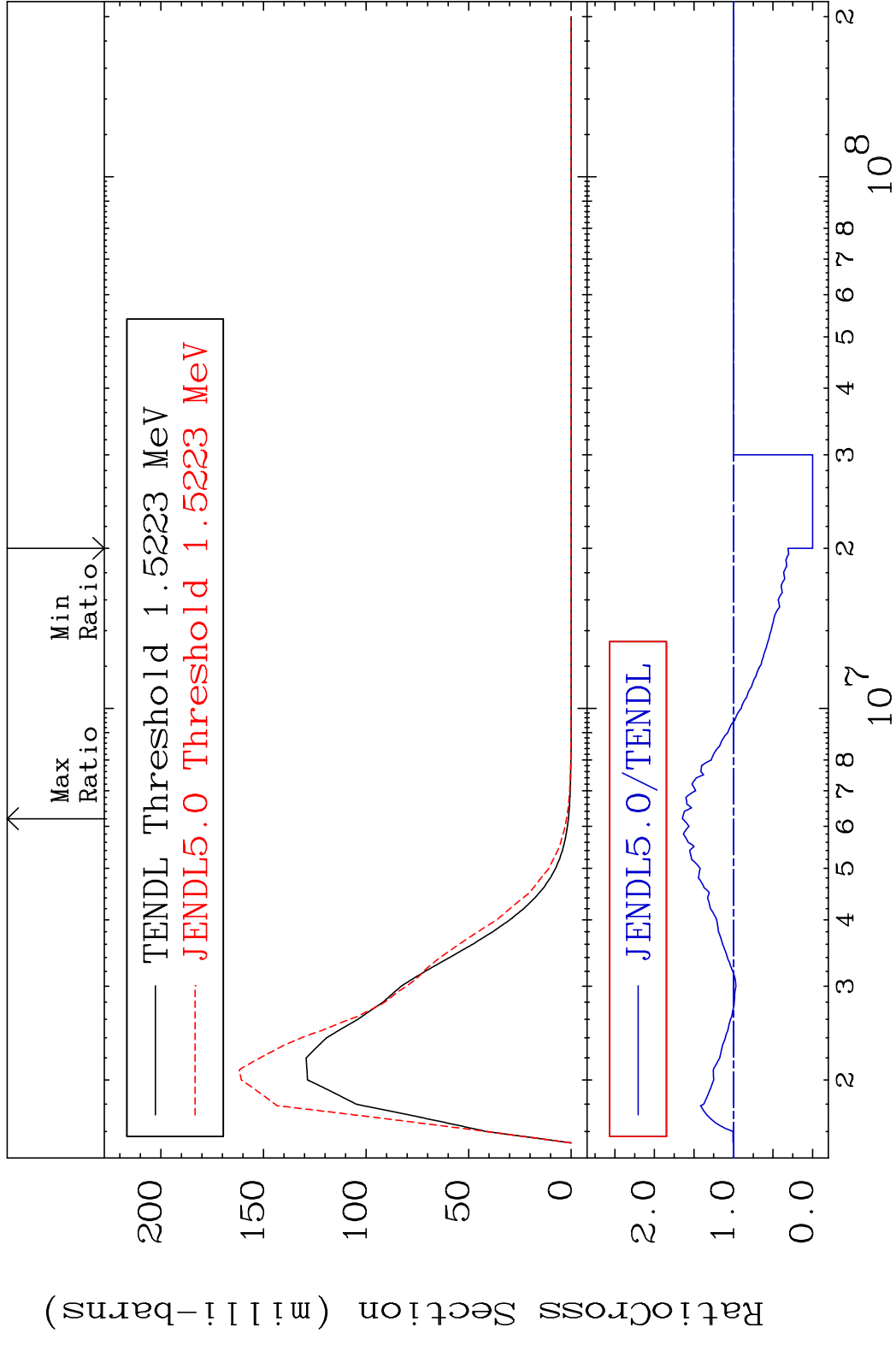


MAT 3825 MT= 52 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 132.6 %

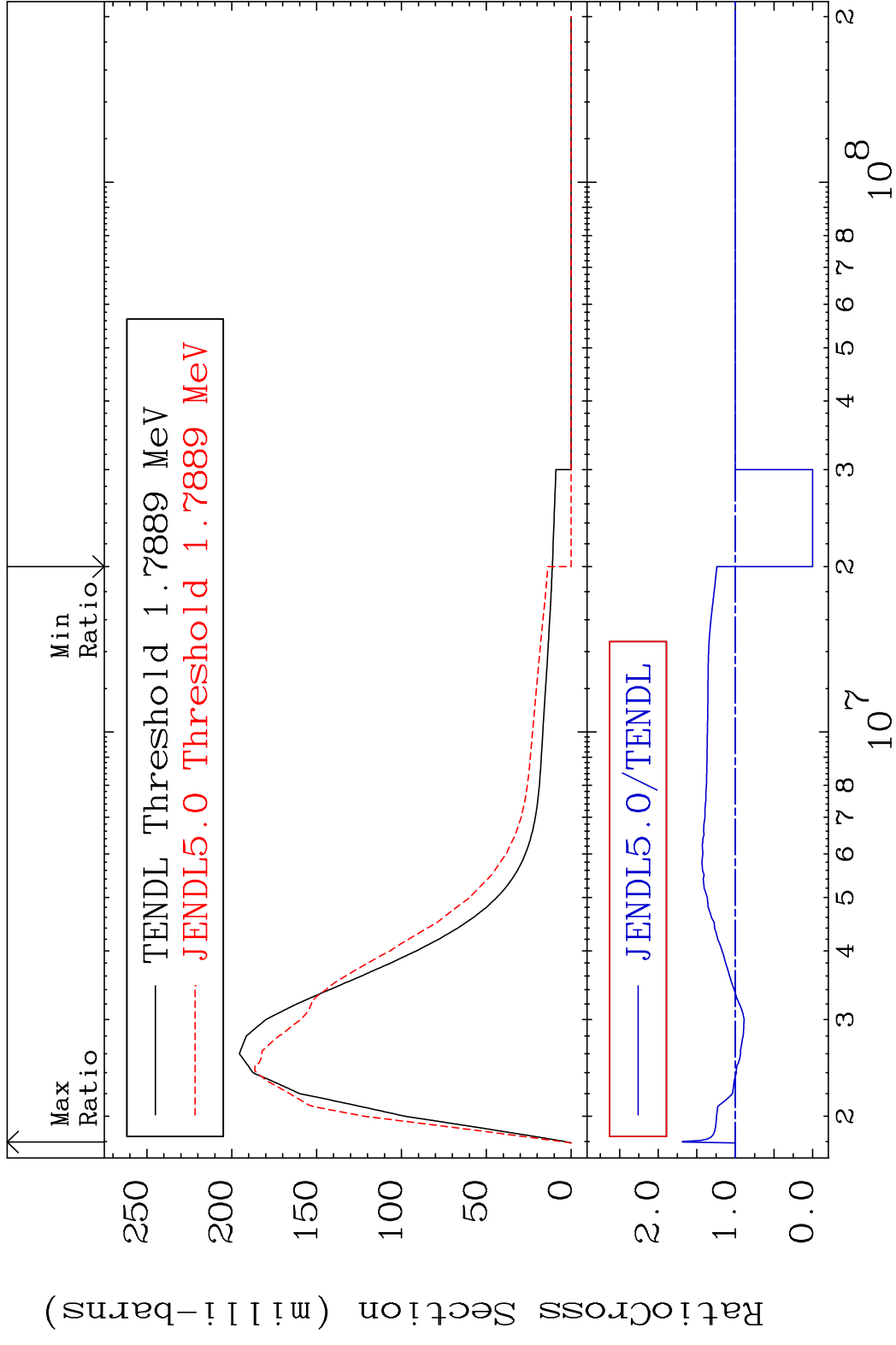


10 100 1000 10000 100000 1000000 10000000 100000000 38-Sr-84

MAT 3825 MT= 53 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 64.68 %

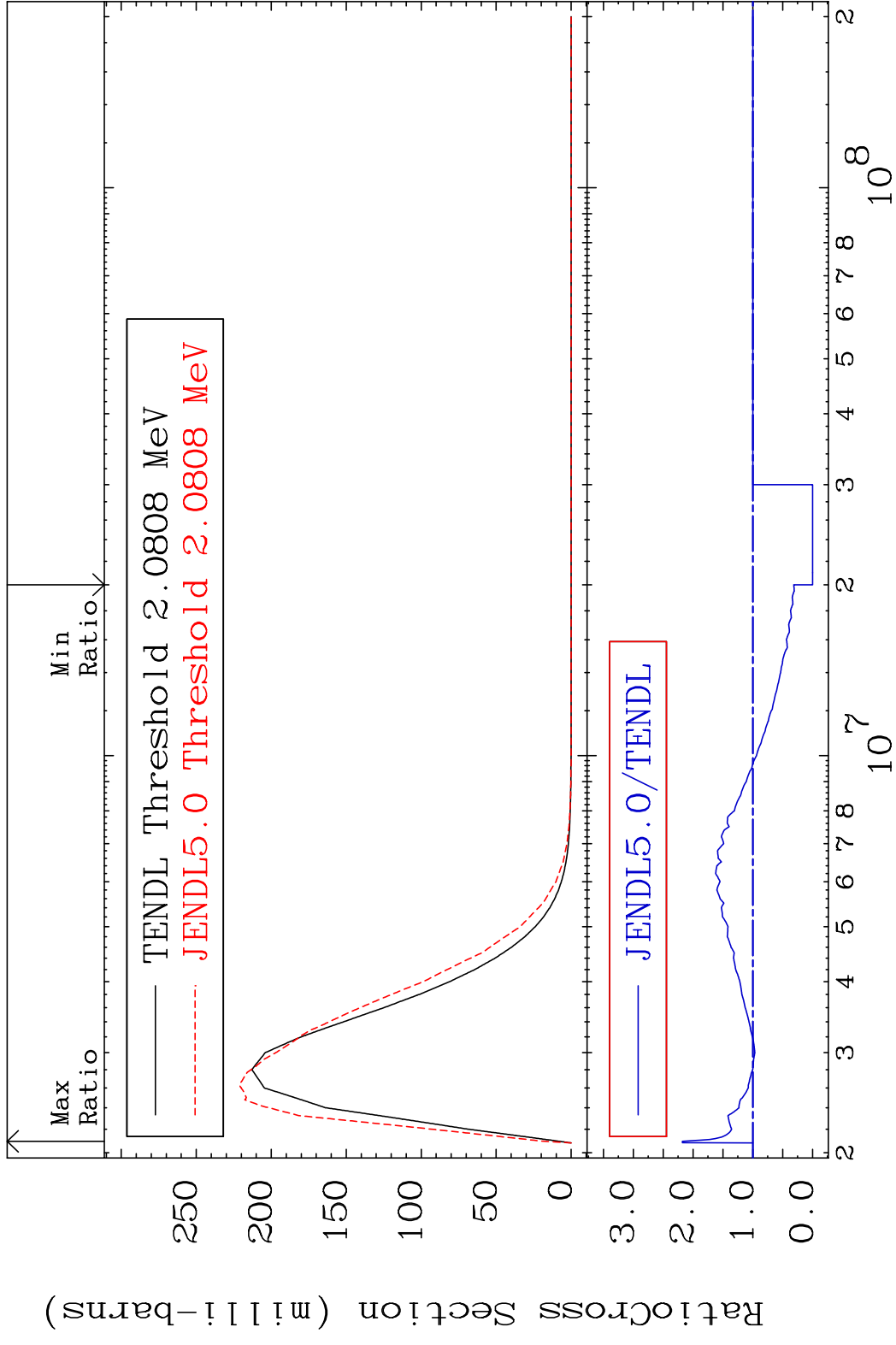


MAT 3825 MT= 54 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 68.67 %

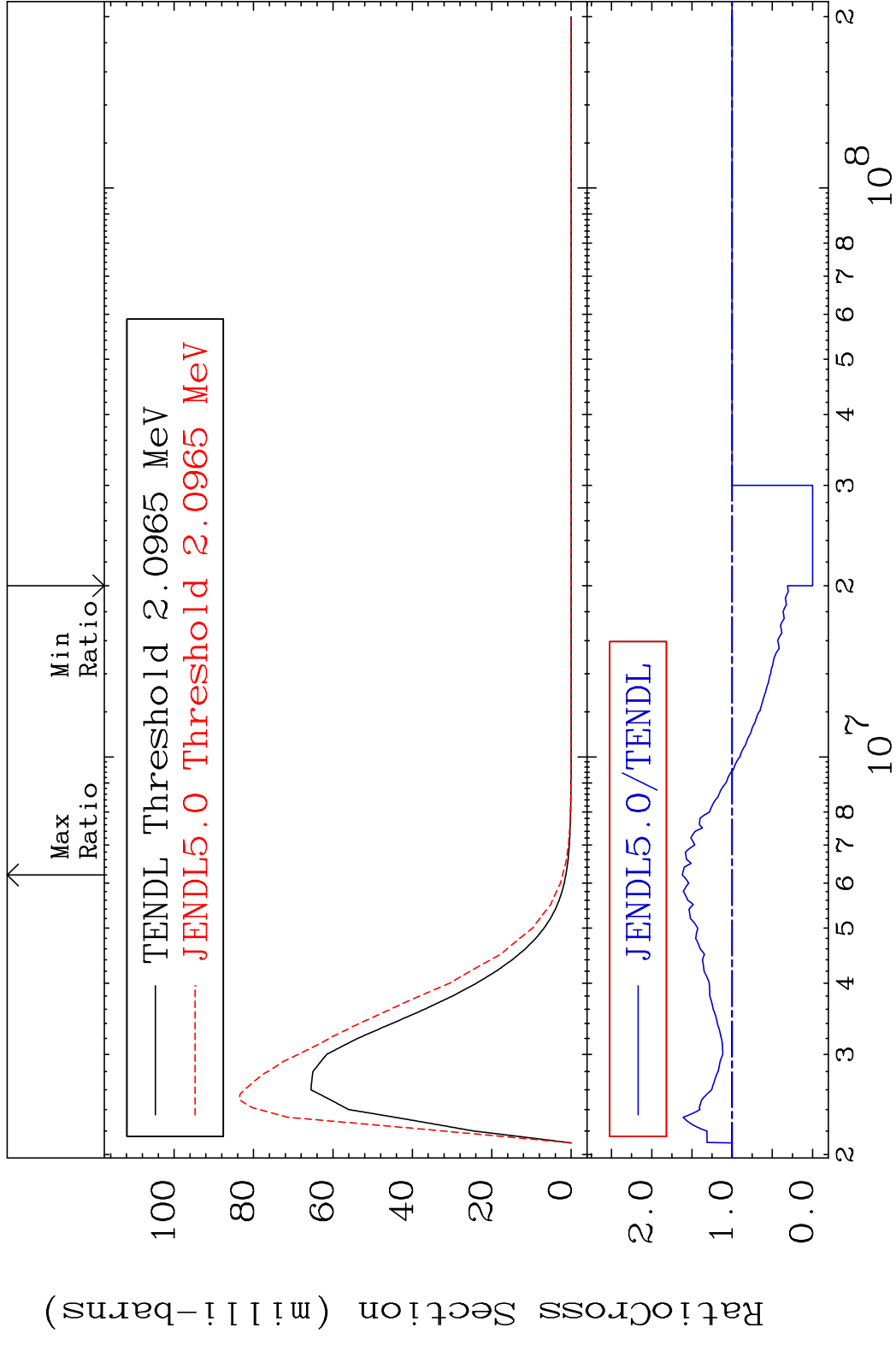


12 38-Sr-84

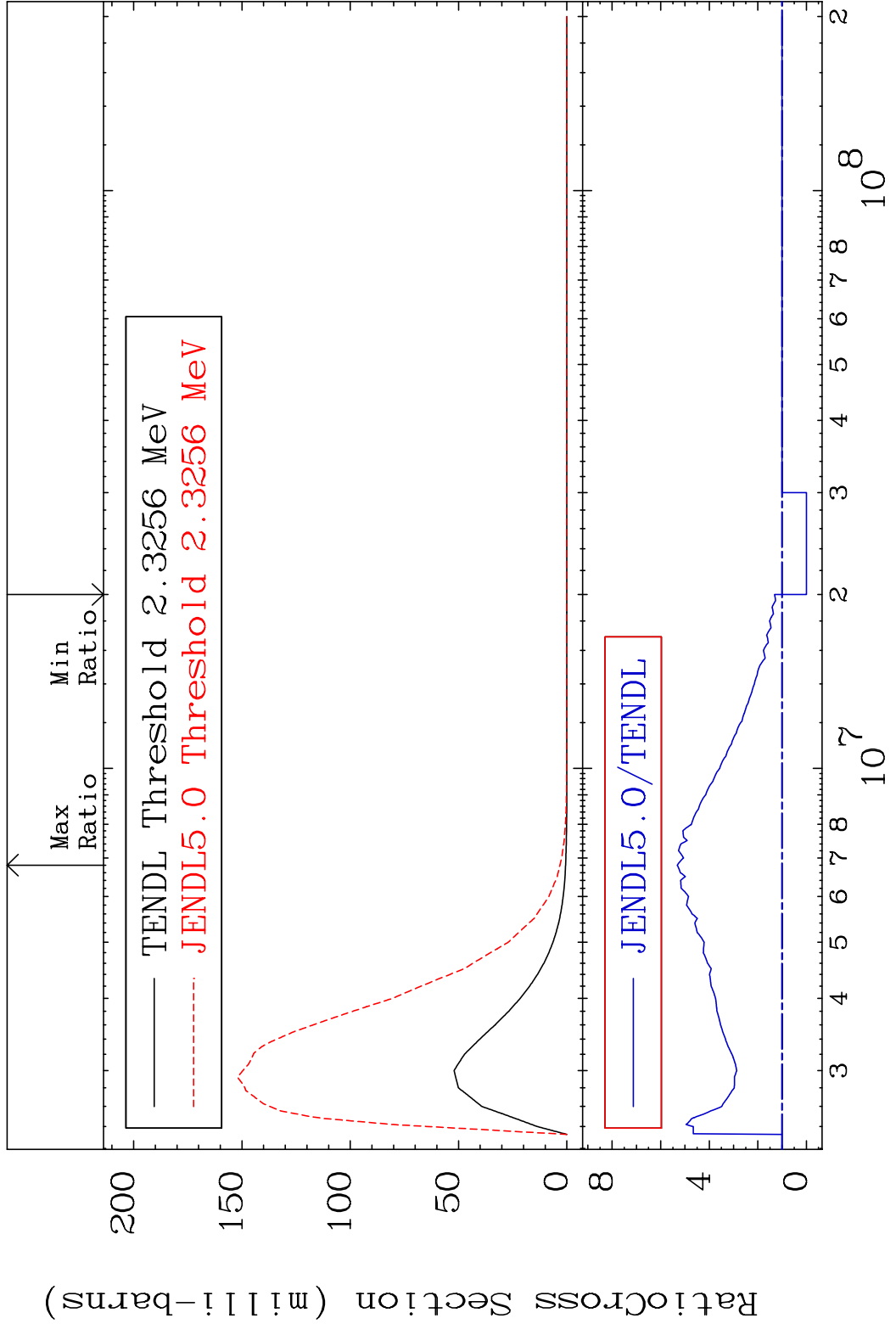
MAT 3825 MT= 55 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 118.0 %



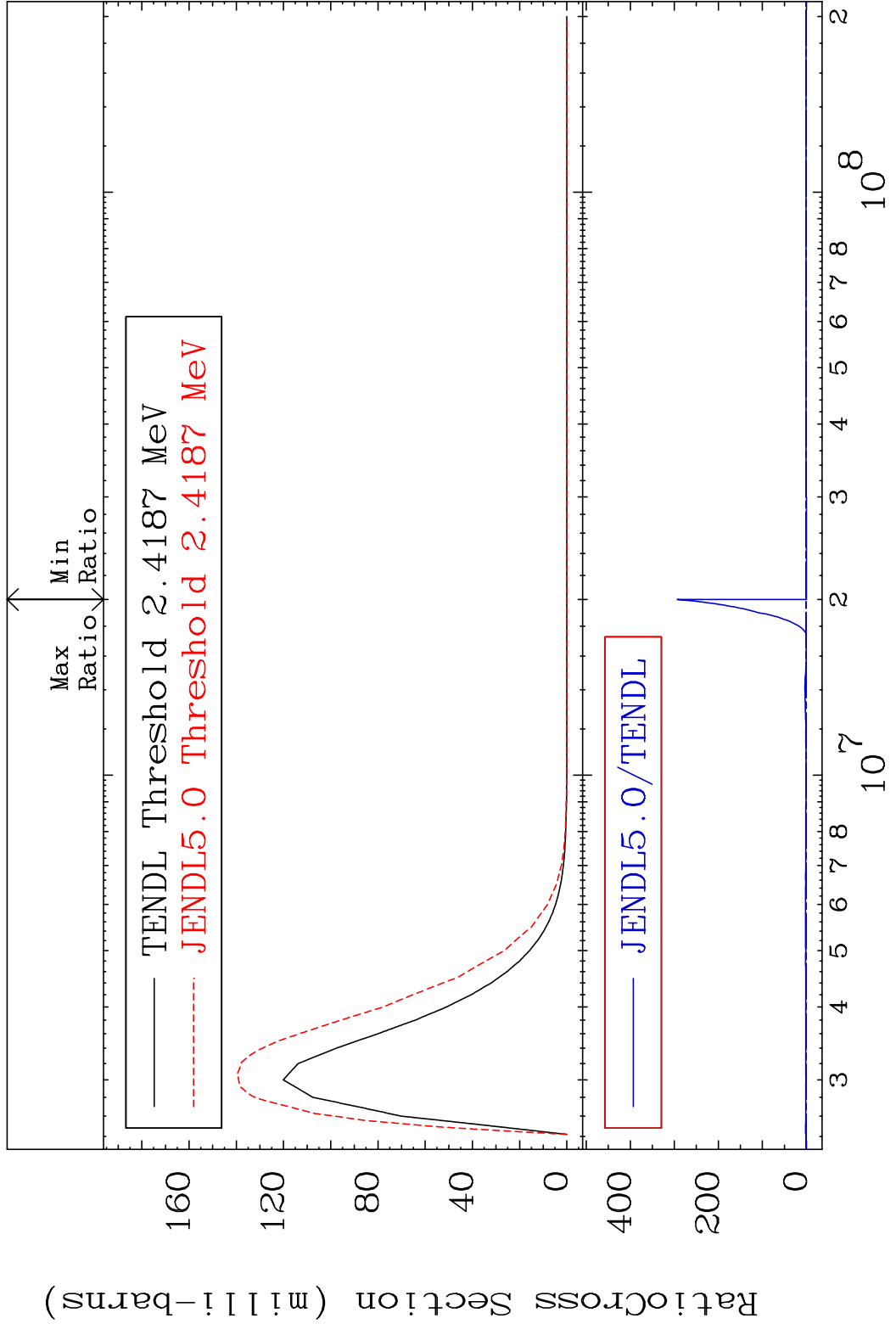
MAT 3825 MT= 56 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 61.92 %



MAT 3825 MT= 57 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 432.1 %

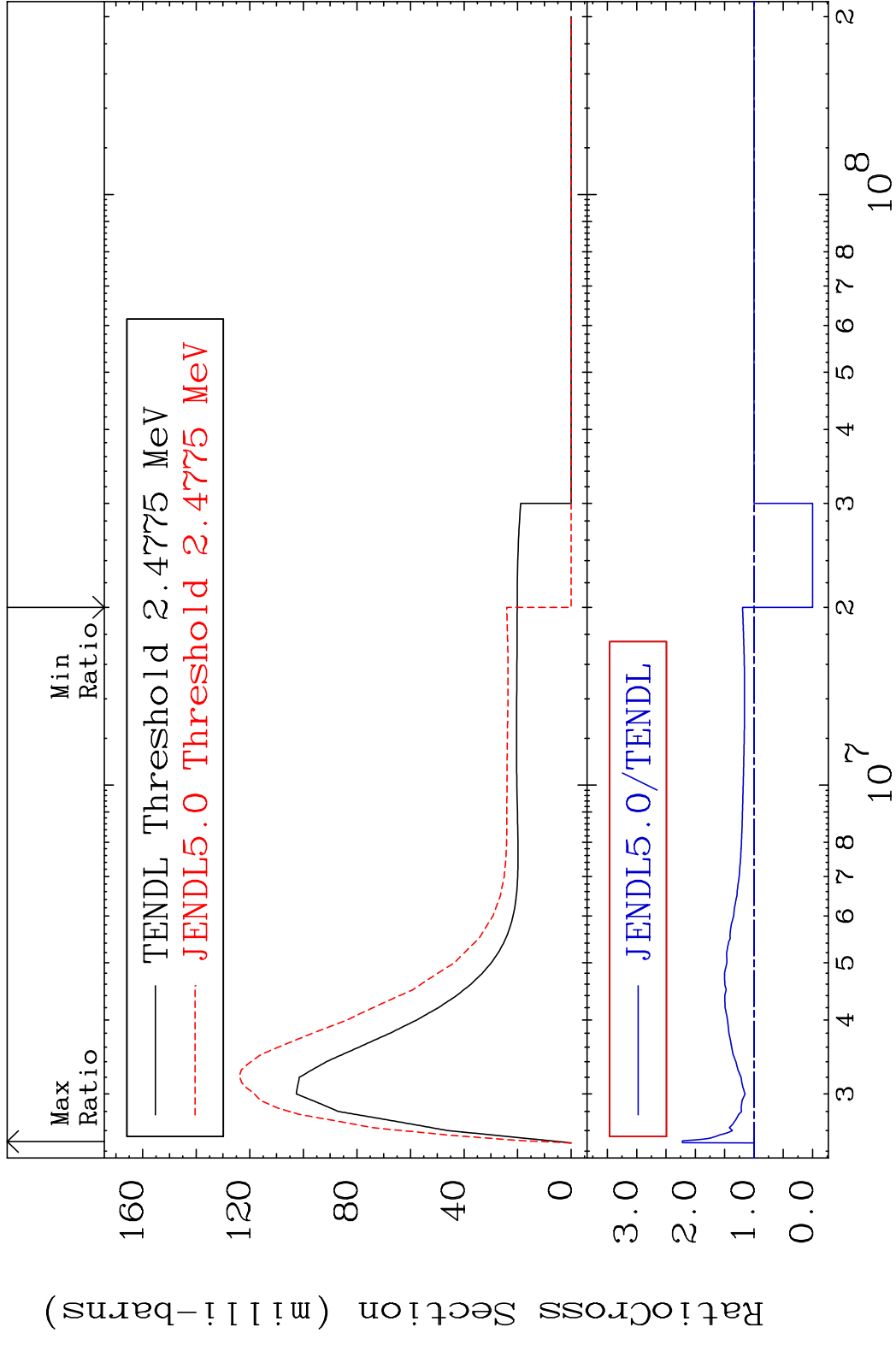


MAT 3825 MT= 58 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %

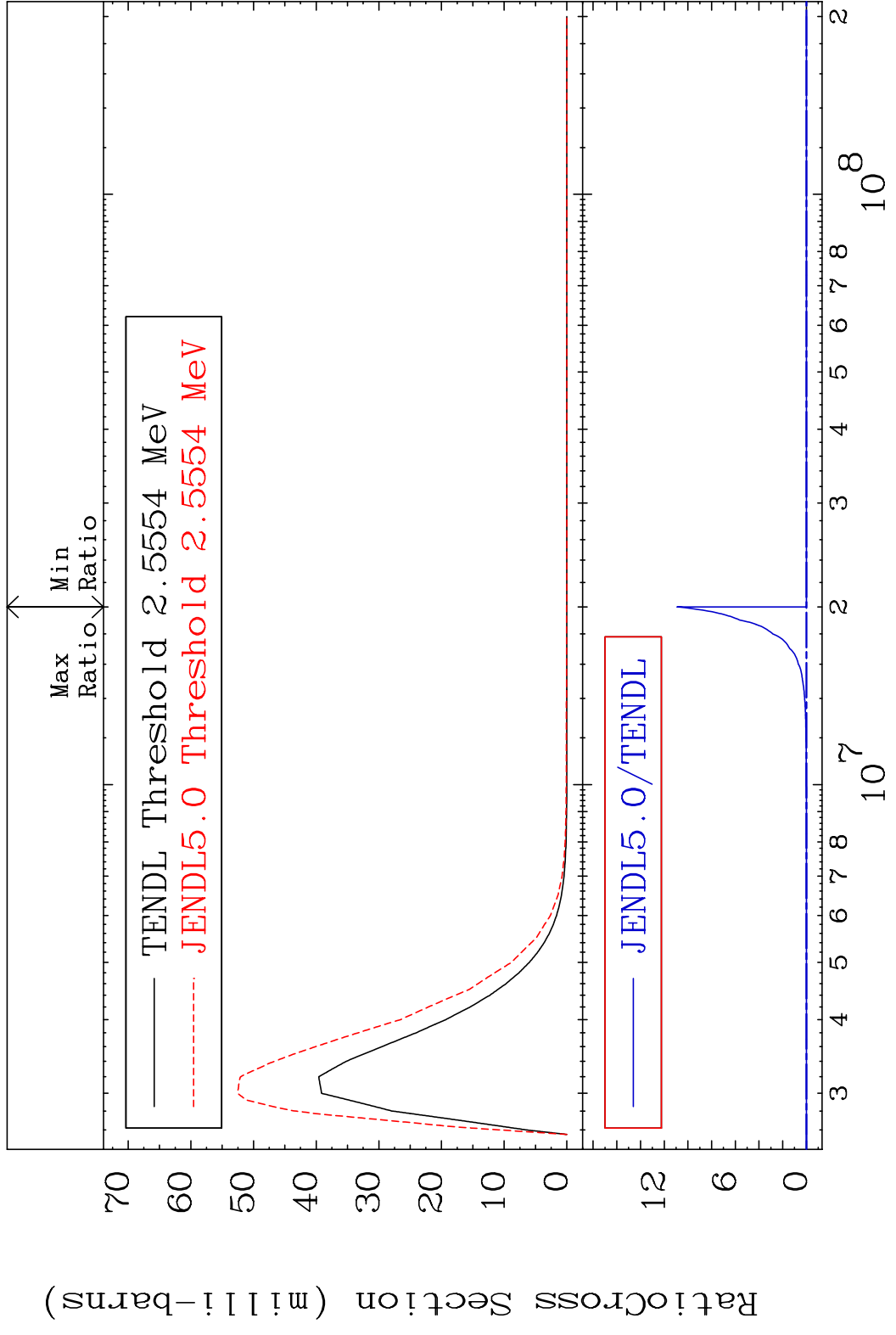


16 38-Sr-84

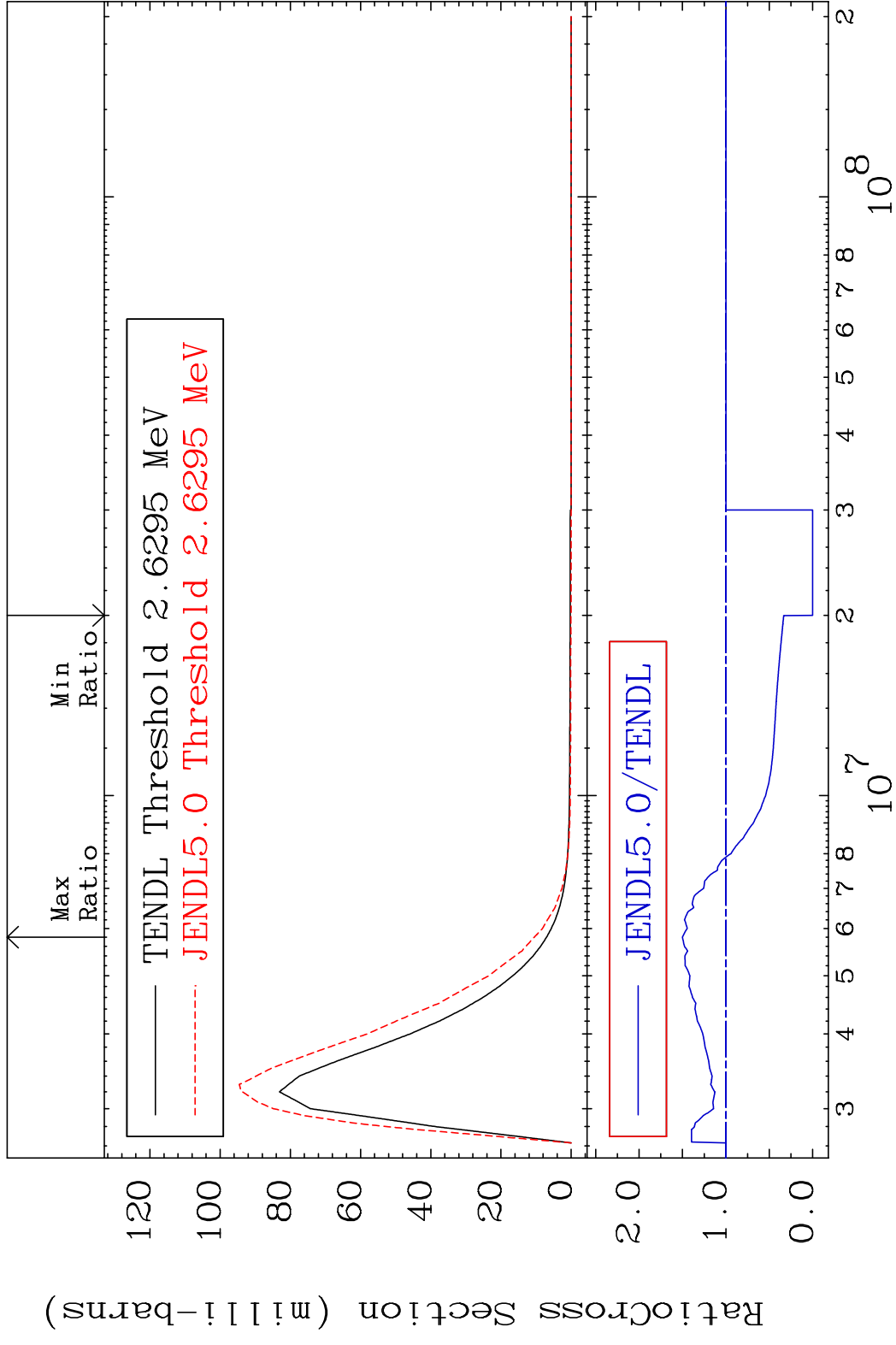
MAT 3825 MT= 59 (n,n') Level 38-Sr-84
 Cross Section -100.0 To 122.1 %



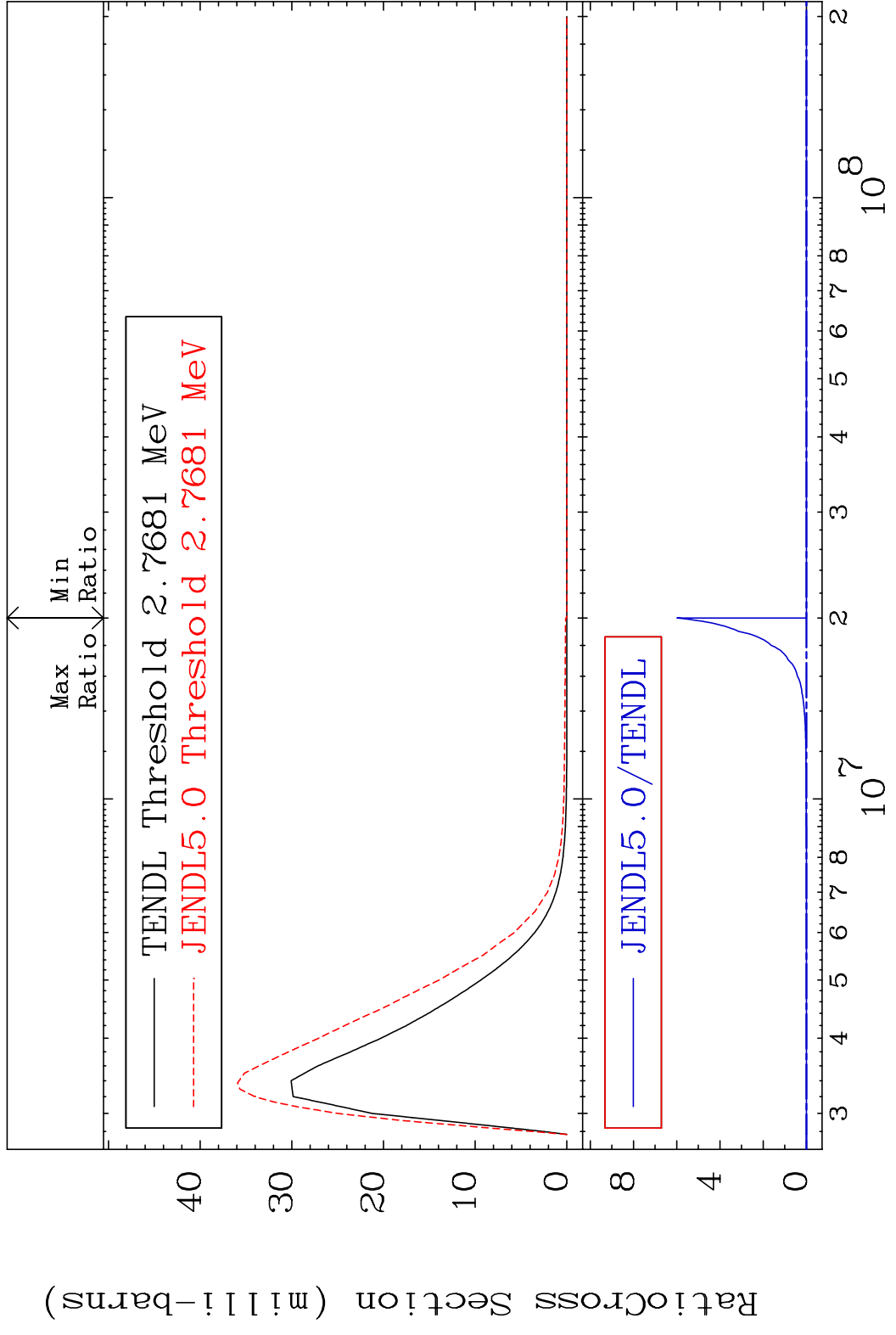
MAT 3825 MT= 60 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



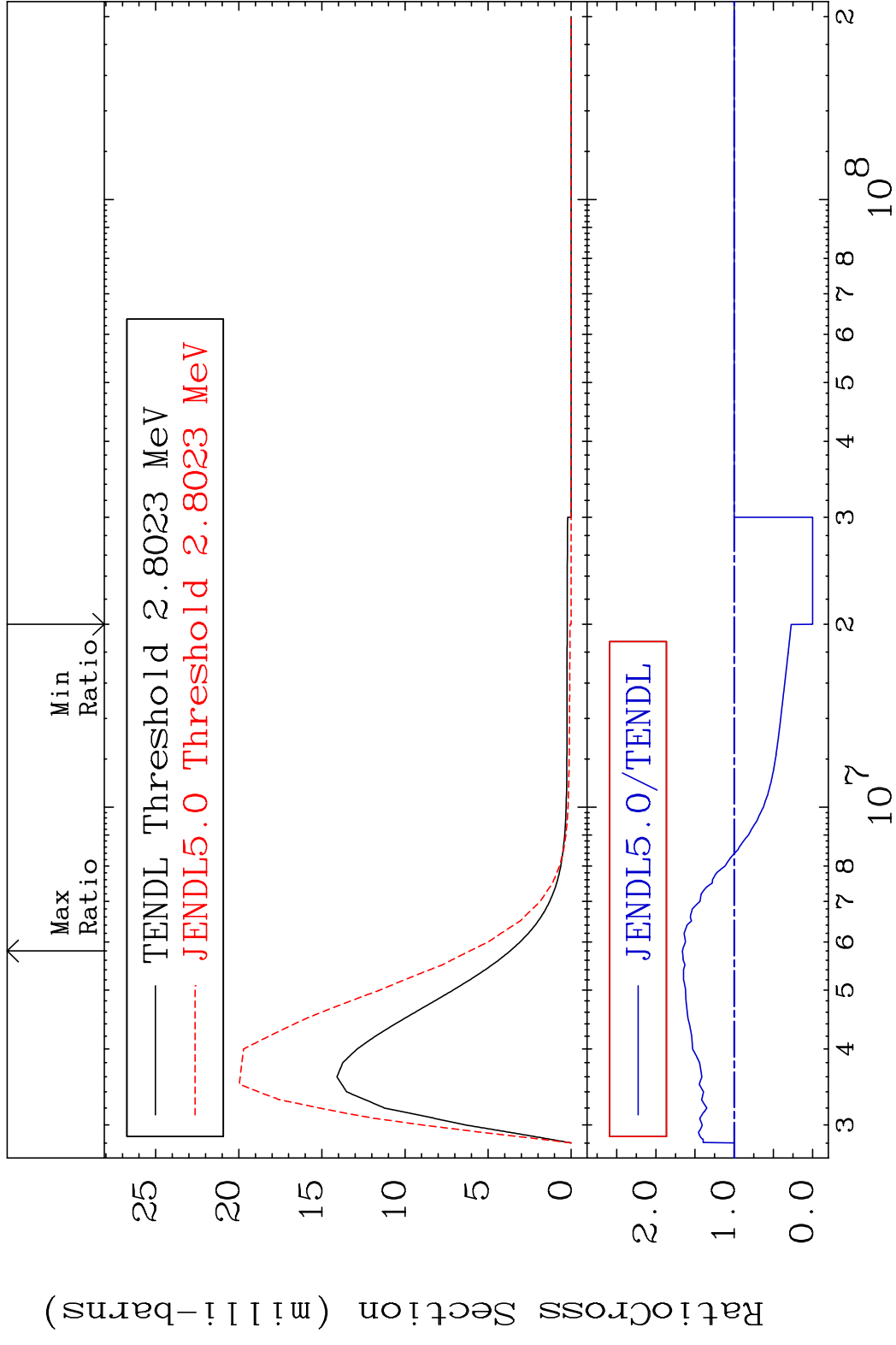
MAT 3825 MT= 61 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 50.16 %



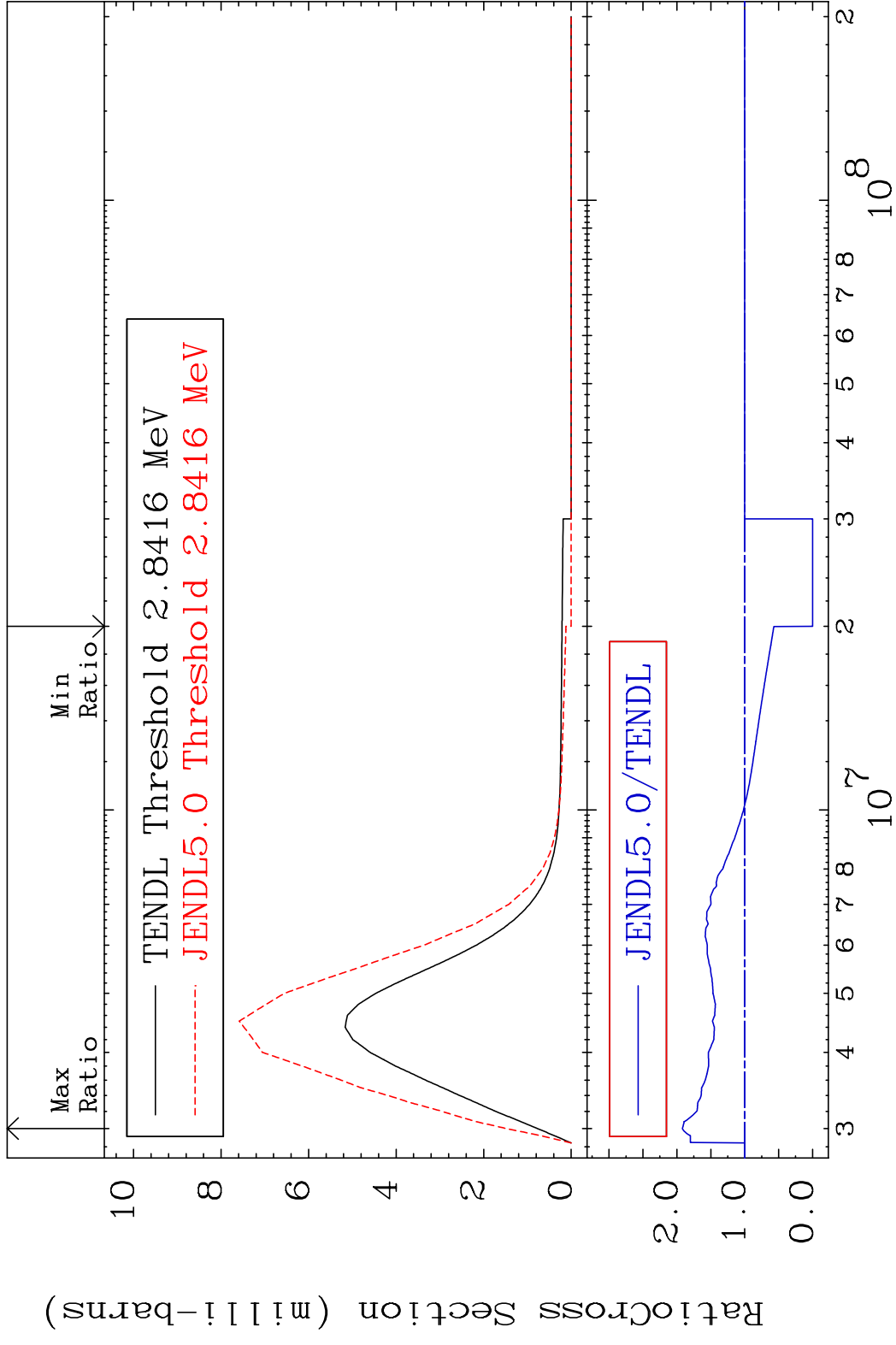
MAT 3825 MT= 62 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 9999. %



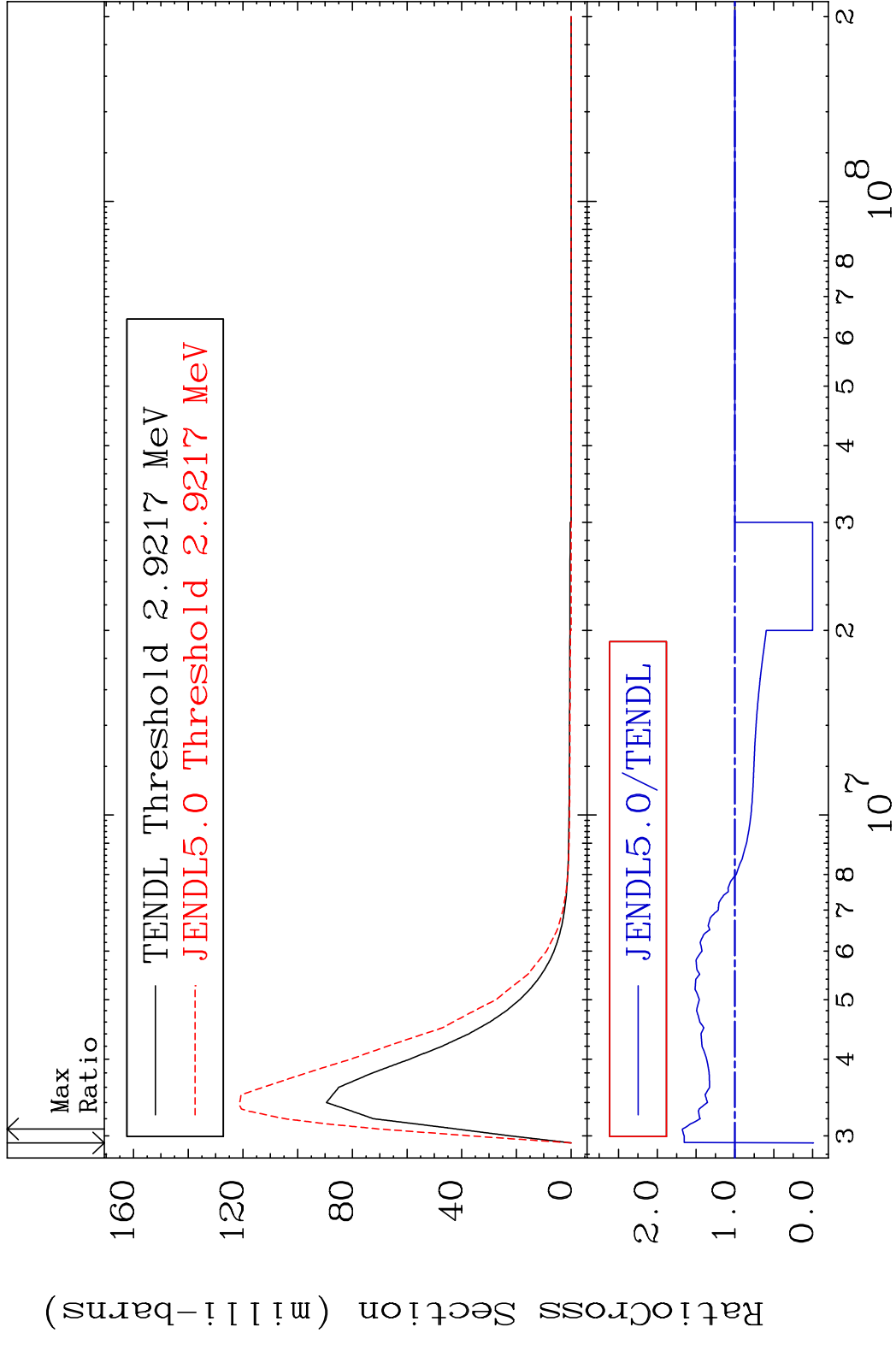
MAT 3825 MT= 63 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 66.19 %



MAT 3825 MT= 64 (n, n') Level 38-Sr-84
 Cross Section -100.0 To 91.93 %



MAT 3825 MT= 65 (n,n') Level 38-Sr-84
 Cross Section -100.0 To 67.71 %

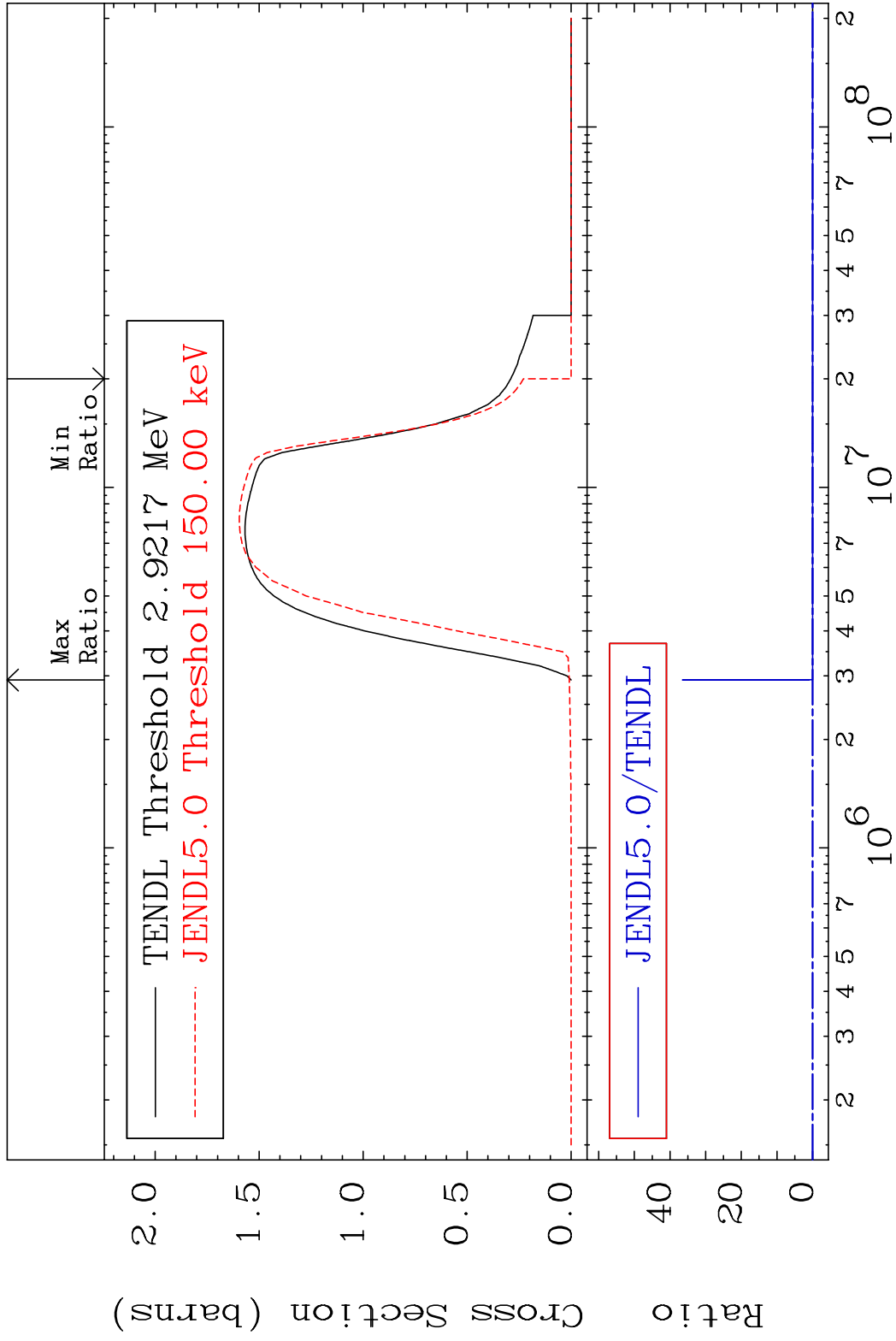


MAT 3825

(n, n') Continuum

38-Sr-84

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

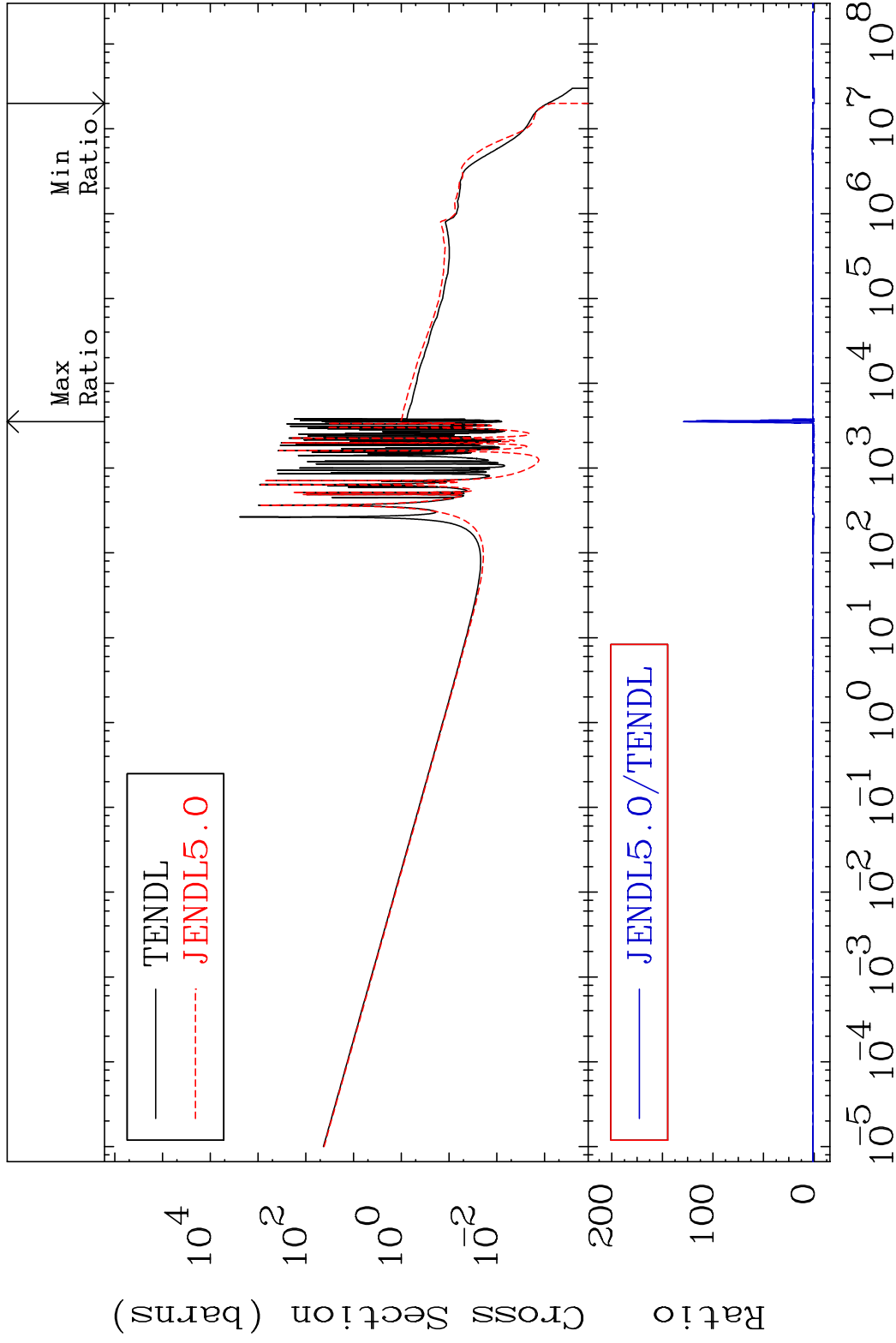
38-Sr-84

MAT 3825

(n, γ)

38-Sr-84

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

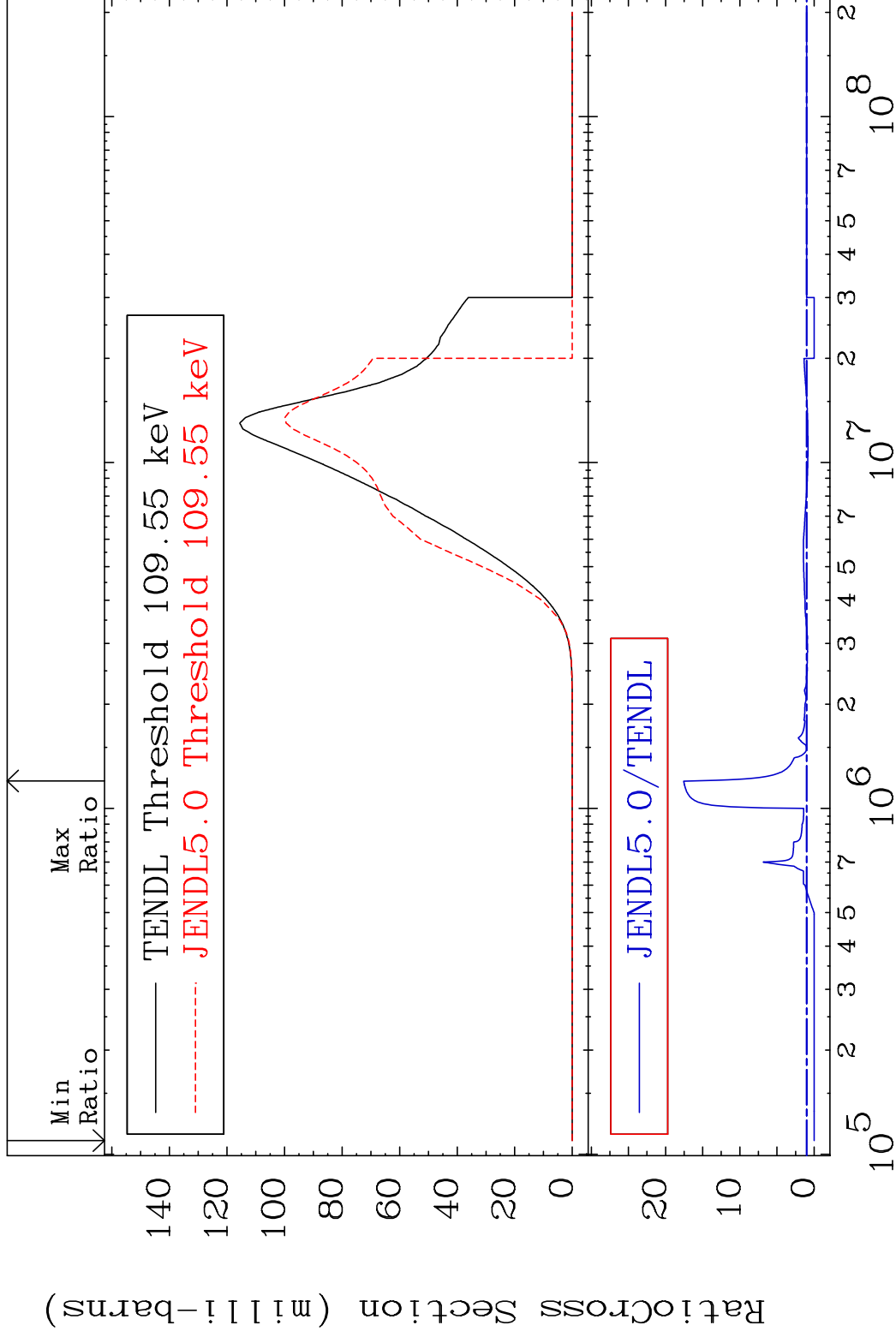
38-Sr-84

MAT 3825

(n,p)

38-Sr-84

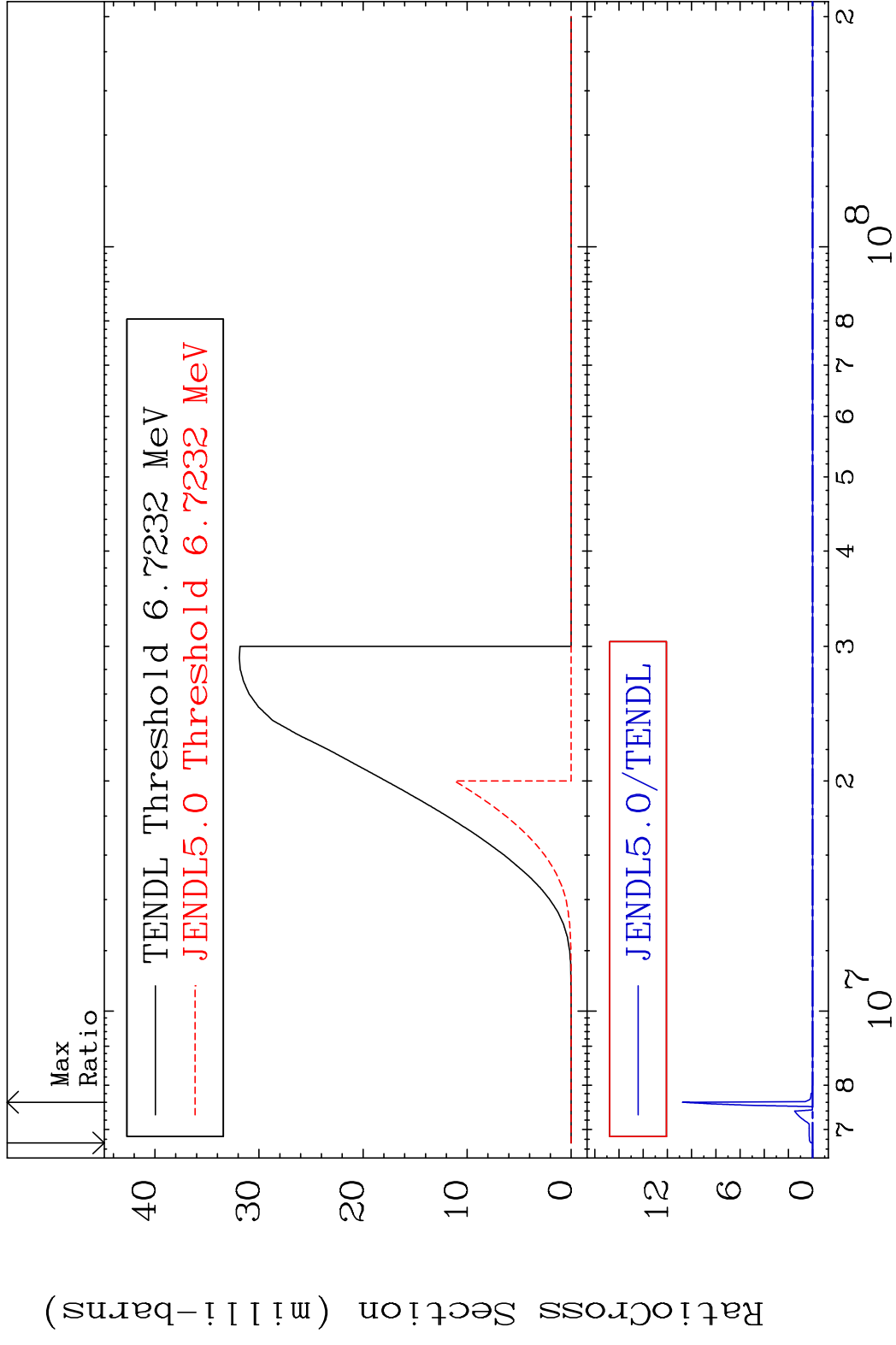
Cross Section -100.0 To 1656. %



26

Incident Energy (eV)

38-Sr-84

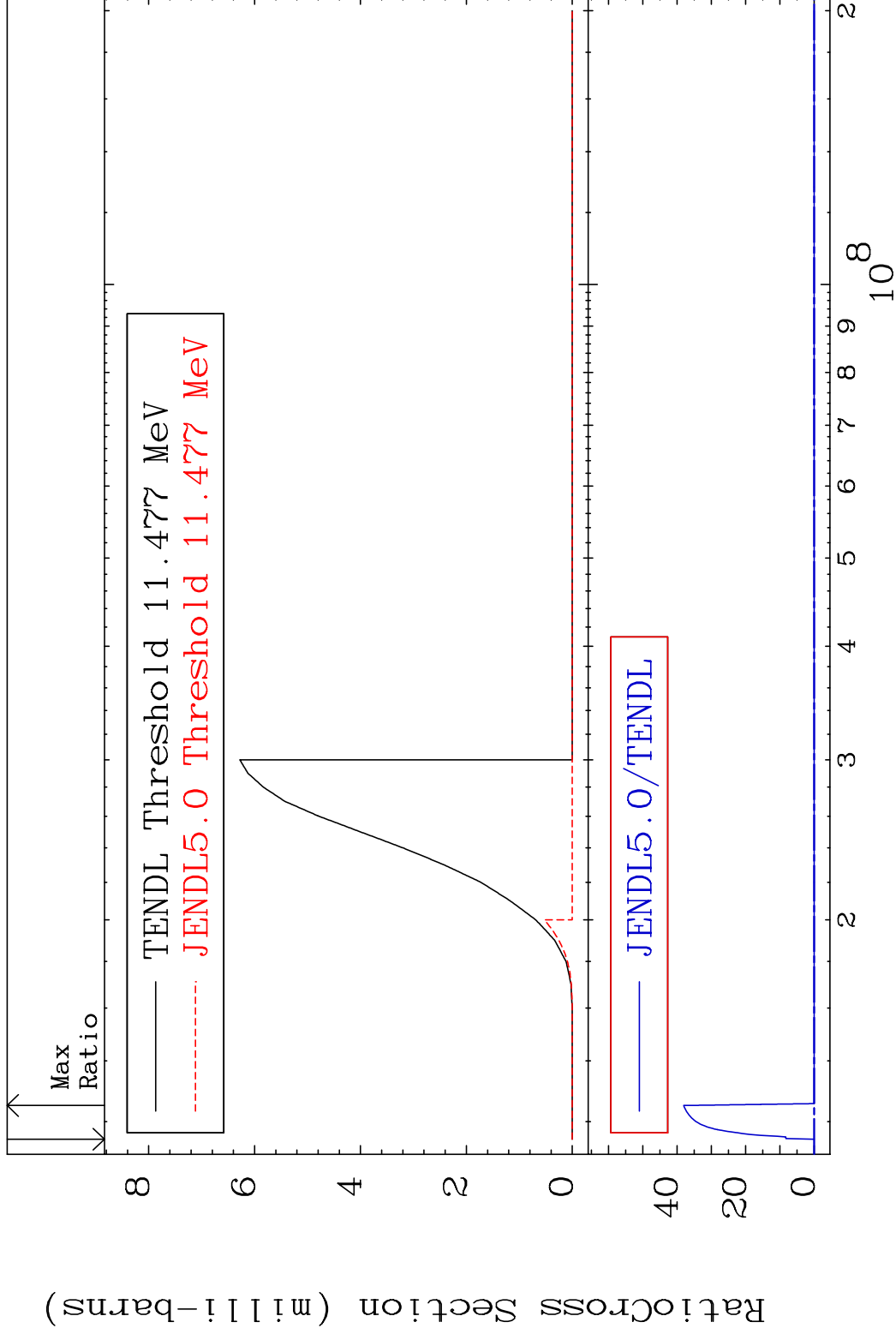


MAT 3825

(n, t)

38-Sr-84

Cross Section -100.0 To 9999. %

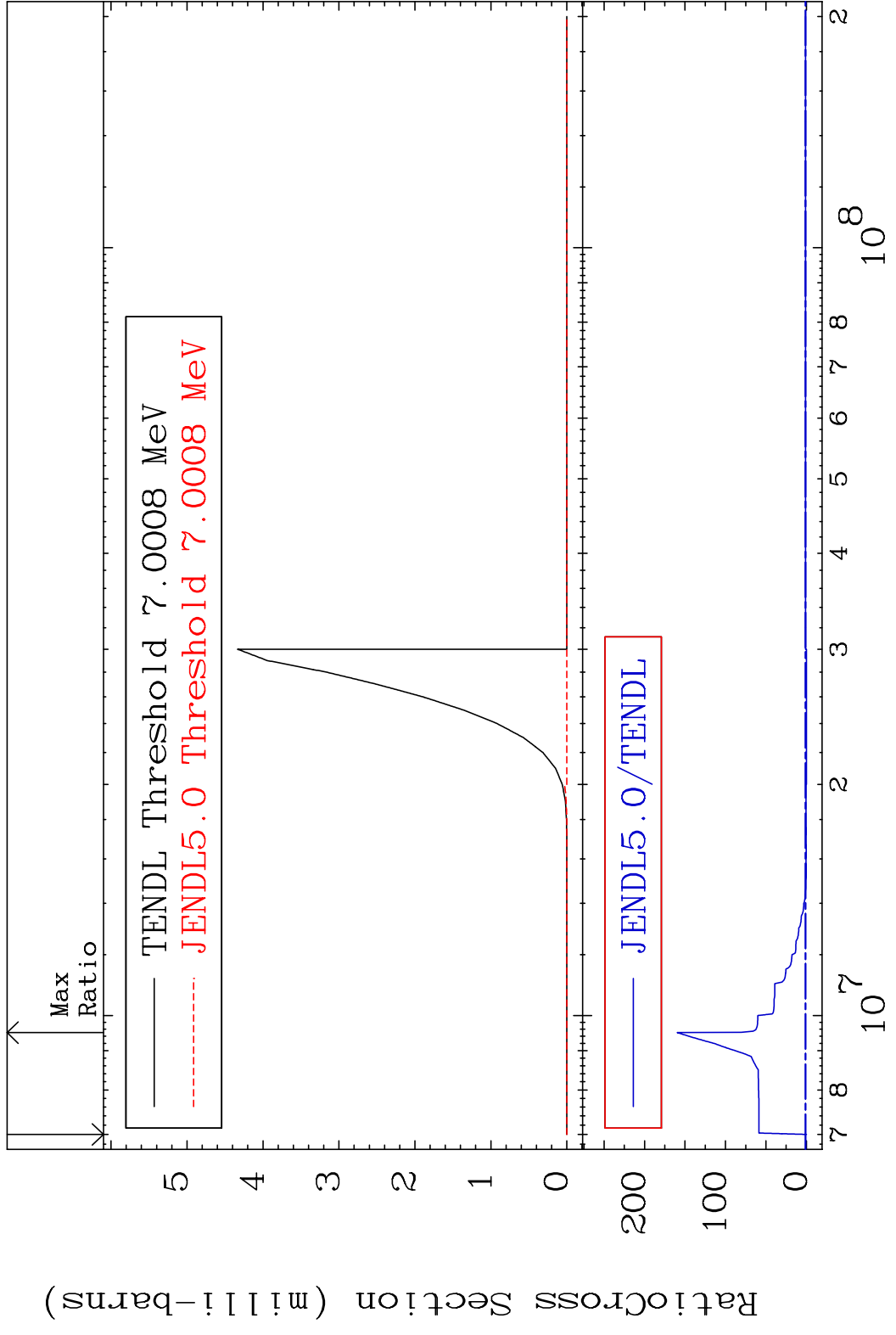


28

Incident Energy (eV)

38-Sr-84

MAT 3825 (n, He-3) 38-Sr-84
 Cross Section -100.0 To 9999. %

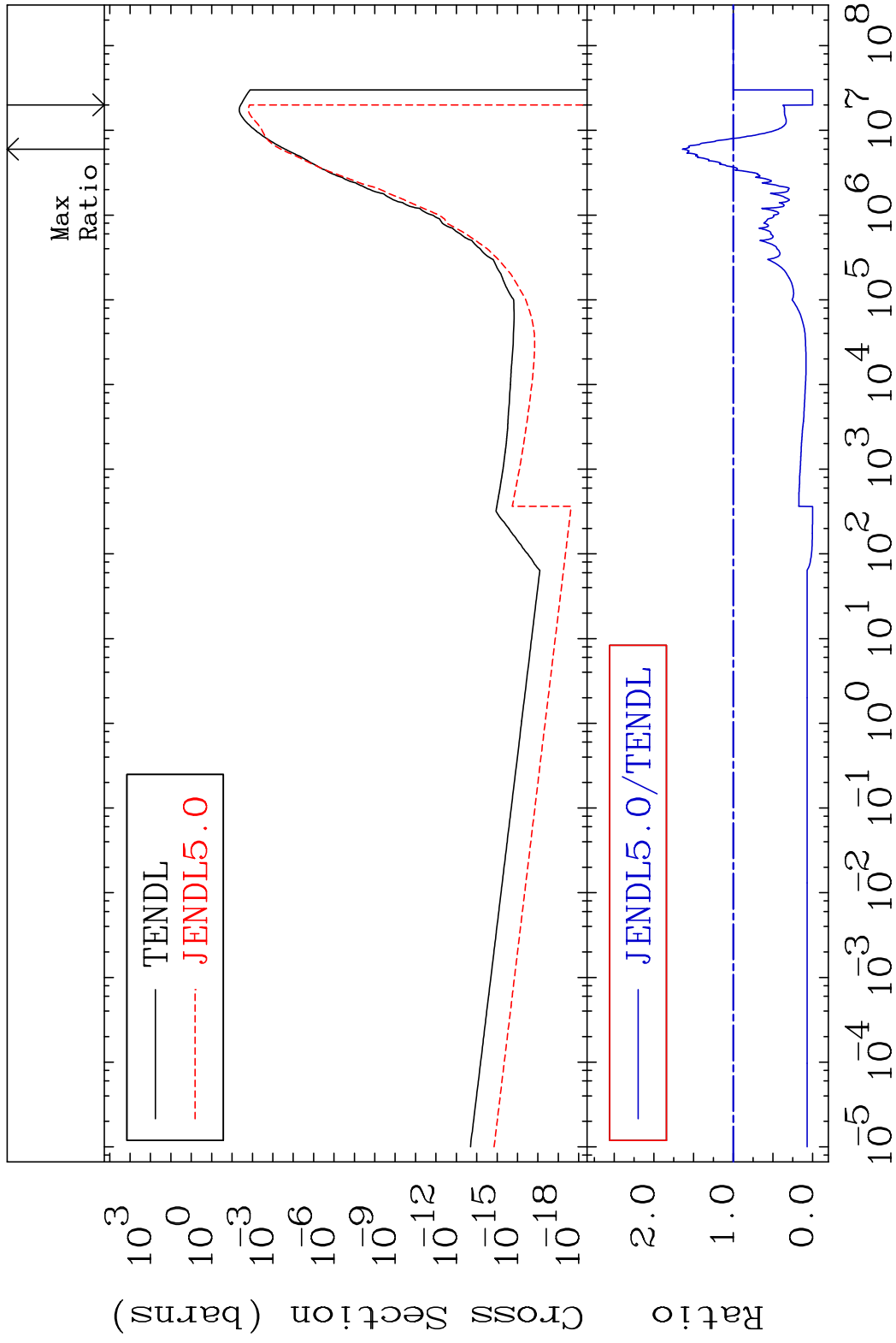


MAT 3825

(n, α)

38-Sr-84

Cross Section -100.0 To 64.04 %

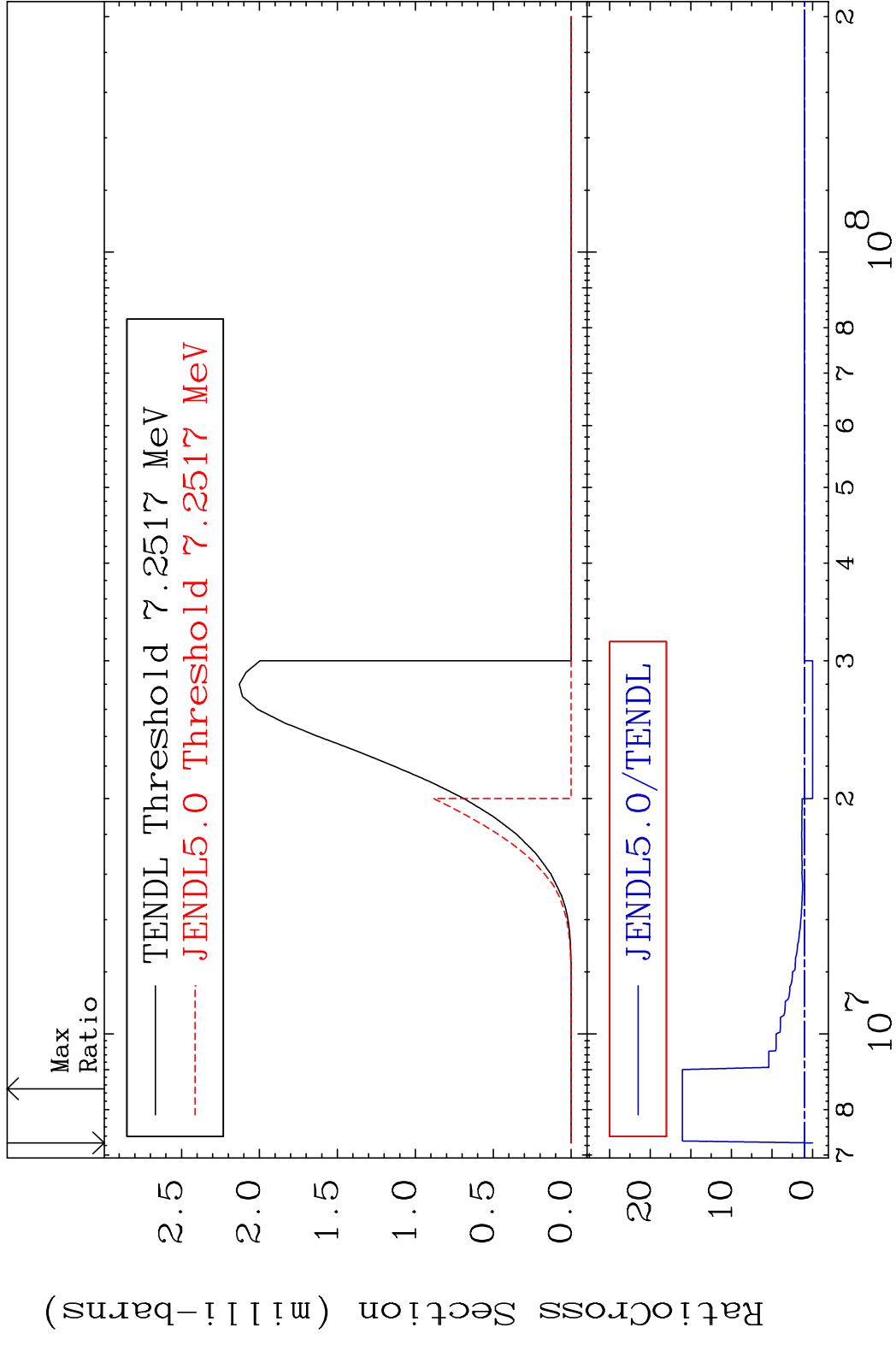


30

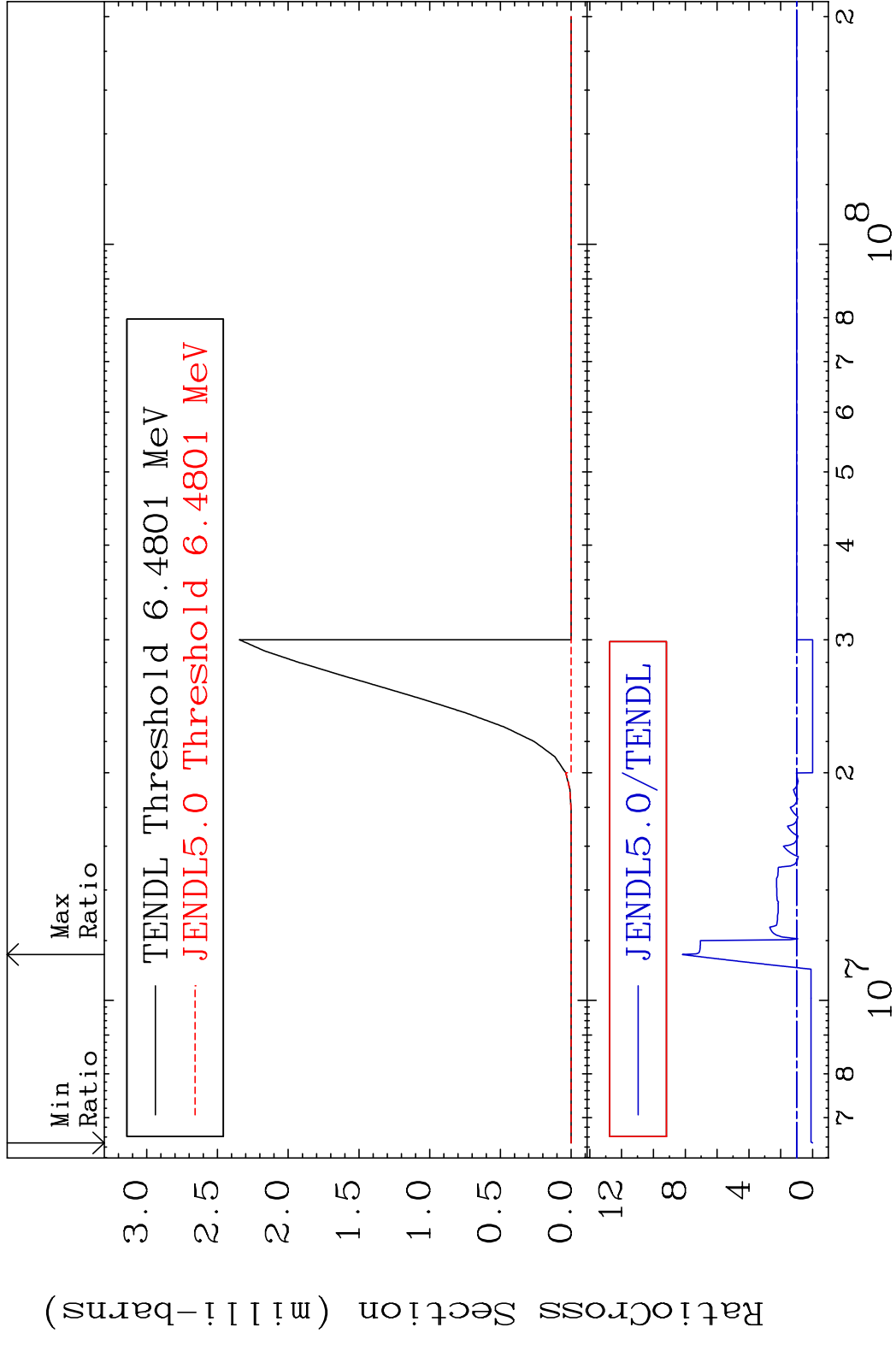
Incident Energy (eV)

38-Sr-84

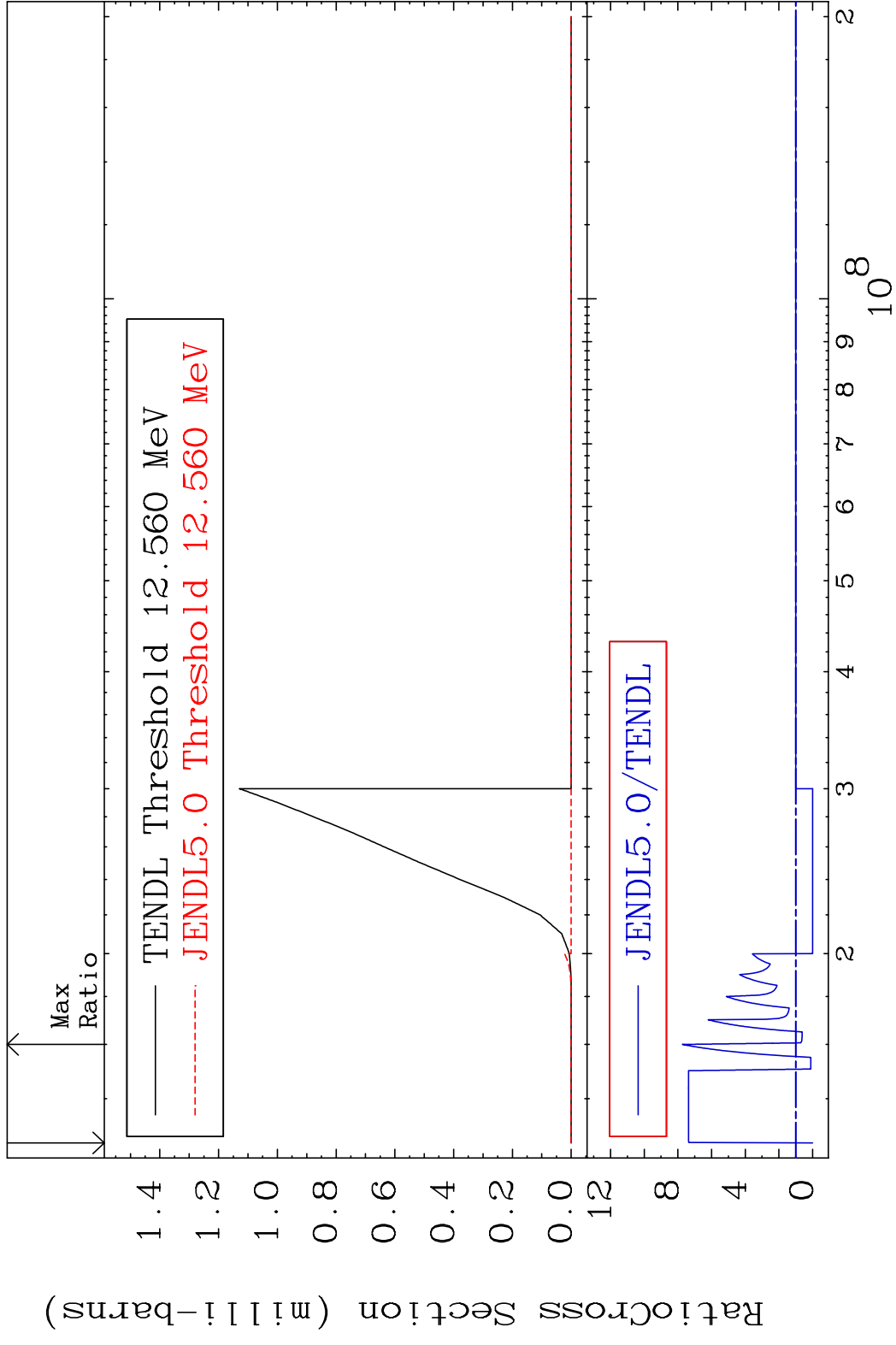
MAT 3825 (n,2p) 38-Sr-84
 Cross Section -100.0 To 1505. %



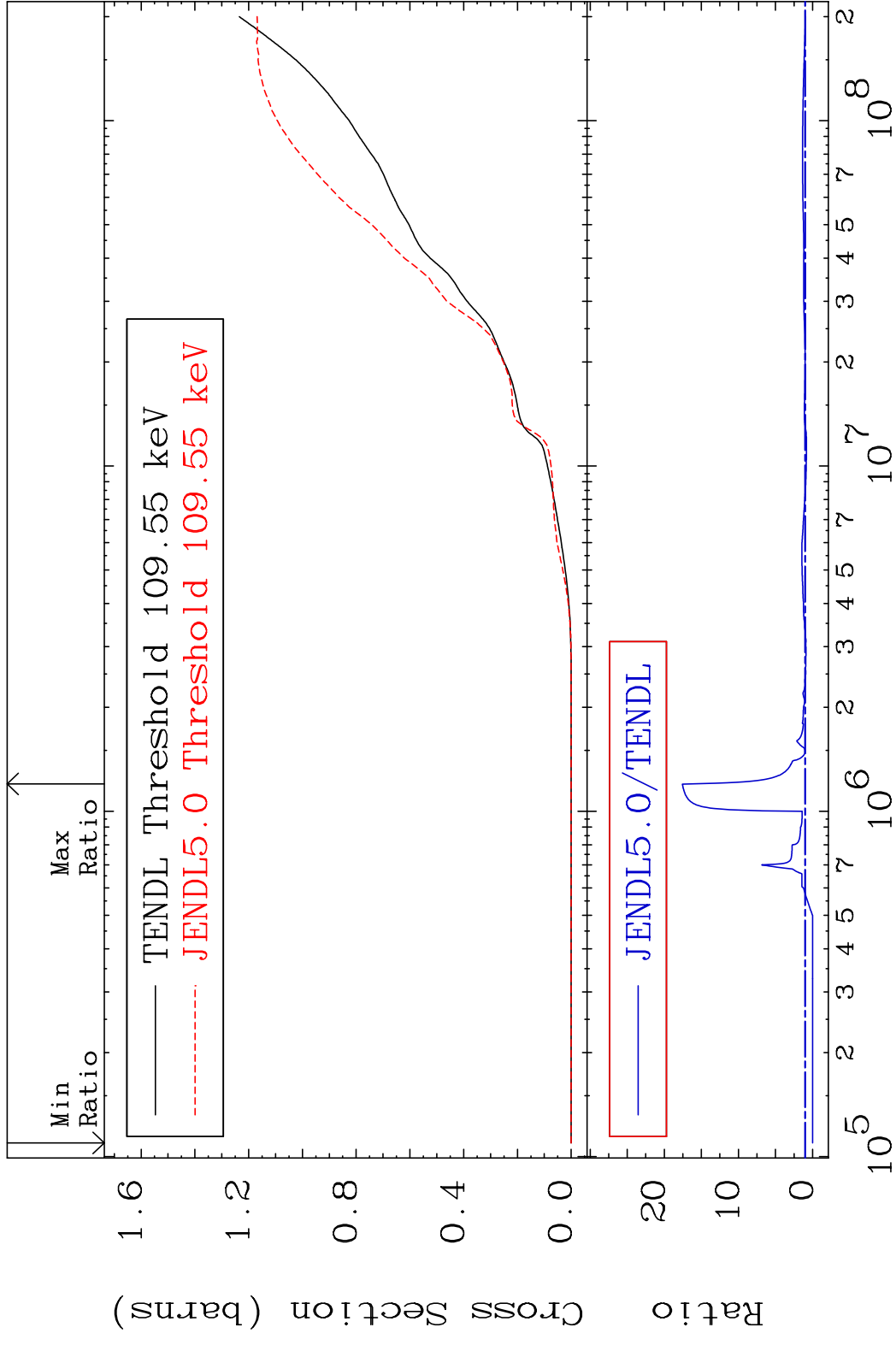
MAT 3825 (n,p) α 38-Sr-84
 Cross Section -100.0 To 718.3 %



MAT 3825 (n,p) d 38-Sr-84
 Cross Section -100.0 To 673.5 %

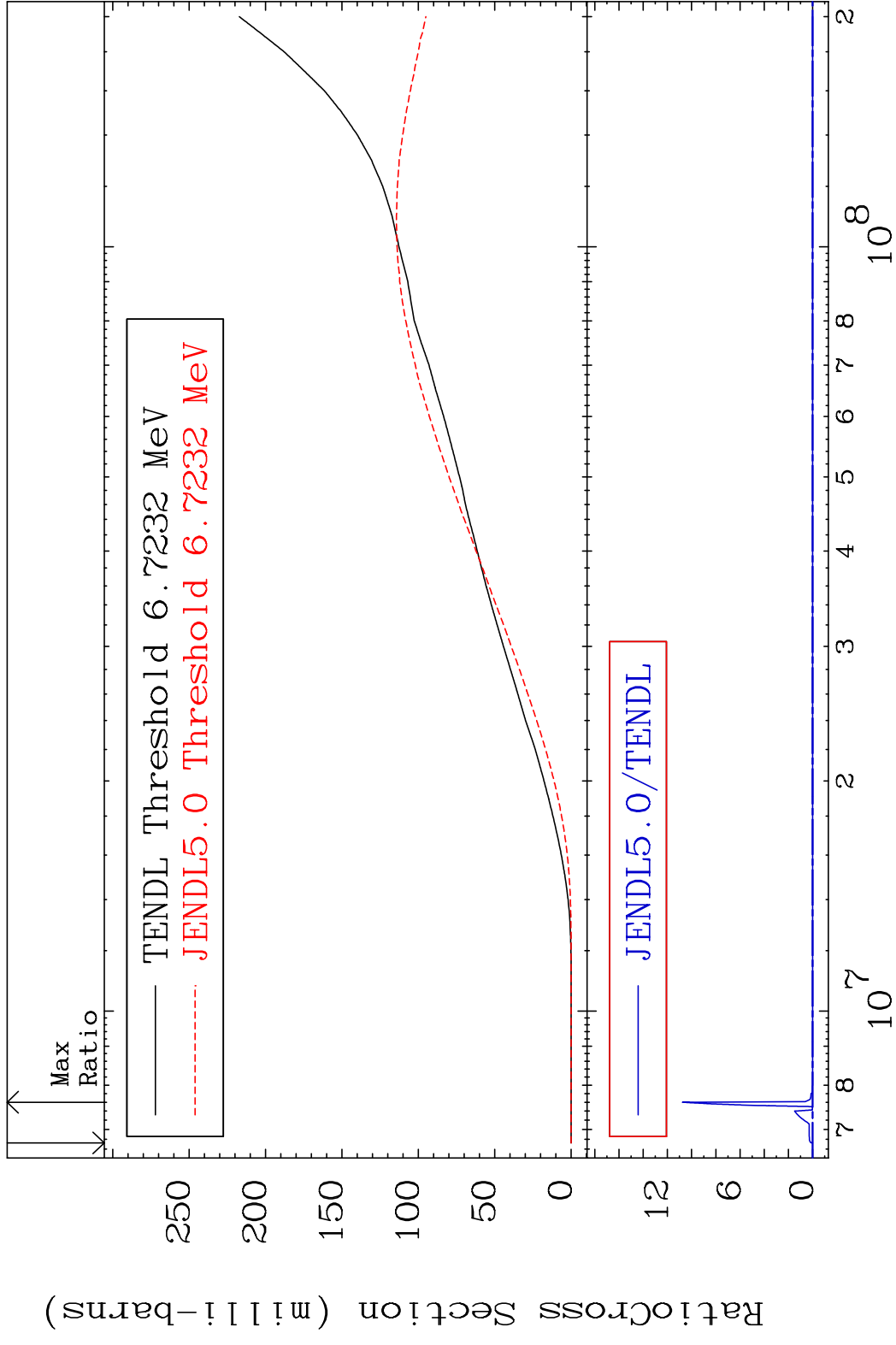


MAT 3825 Hydrogen Production 38-Sr-84
 Cross Section -100.0 To 1656. %

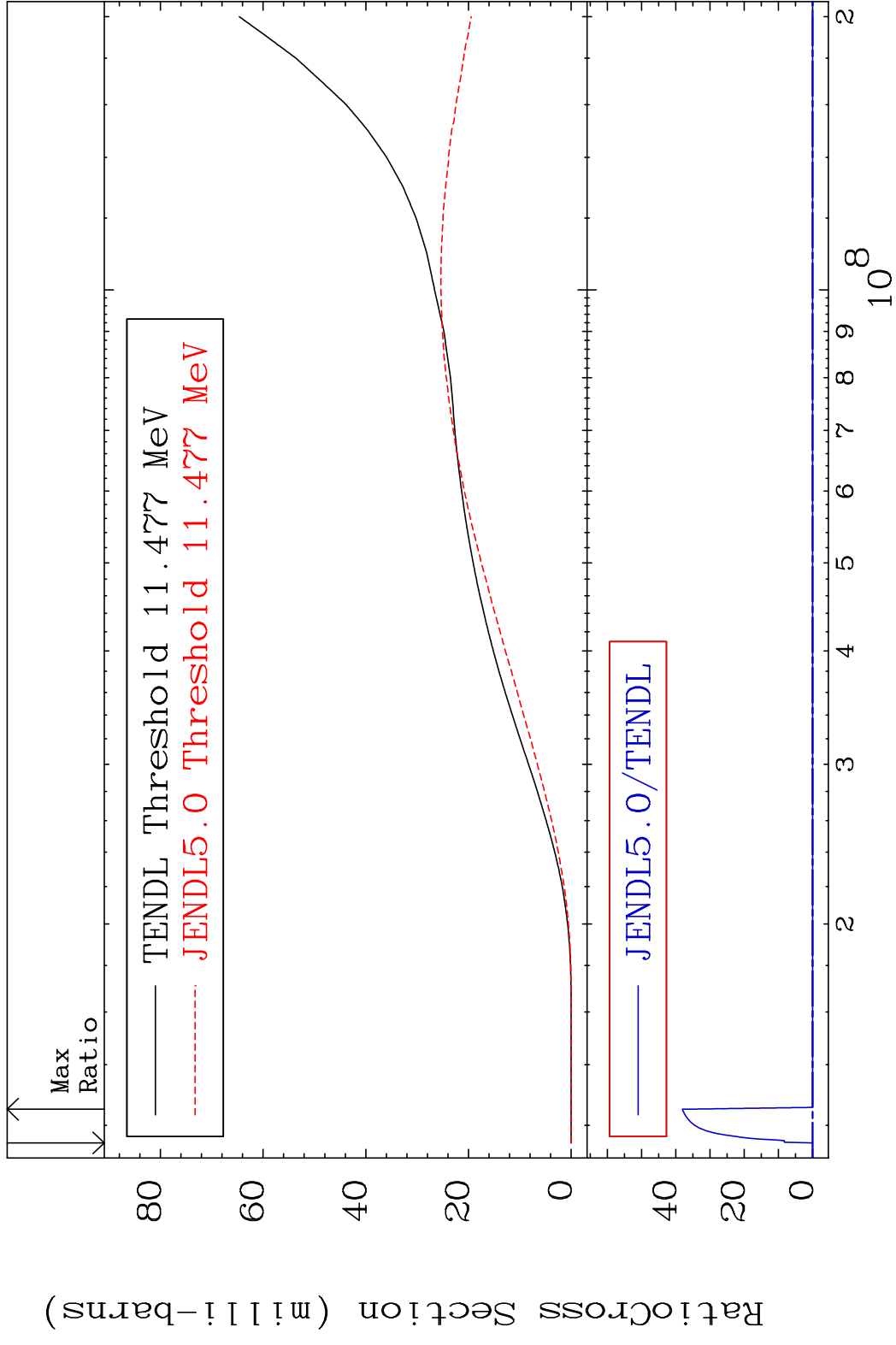


34 Incident Energy (eV) 38-Sr-84

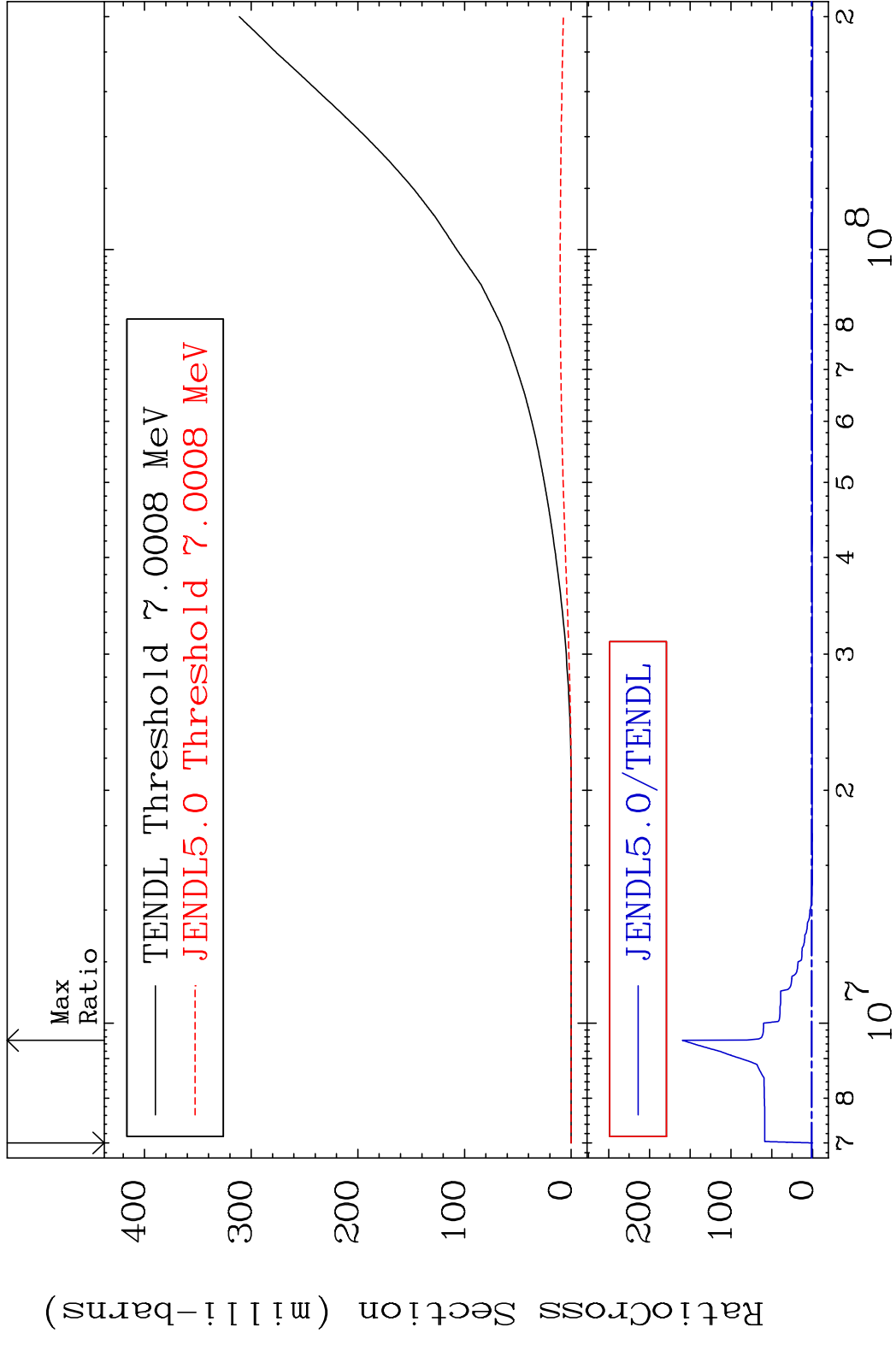
MAT 3825 Deuterium Production 38-Sr-84
 Cross Section -100.0 To 9999. %



MAT 3825 Tritium Production 38-Sr-84
 Cross Section -100.0 To 9999. %



MAT 3825 He-3 Production 38-Sr-84
 Cross Section -100.0 To 9999. %



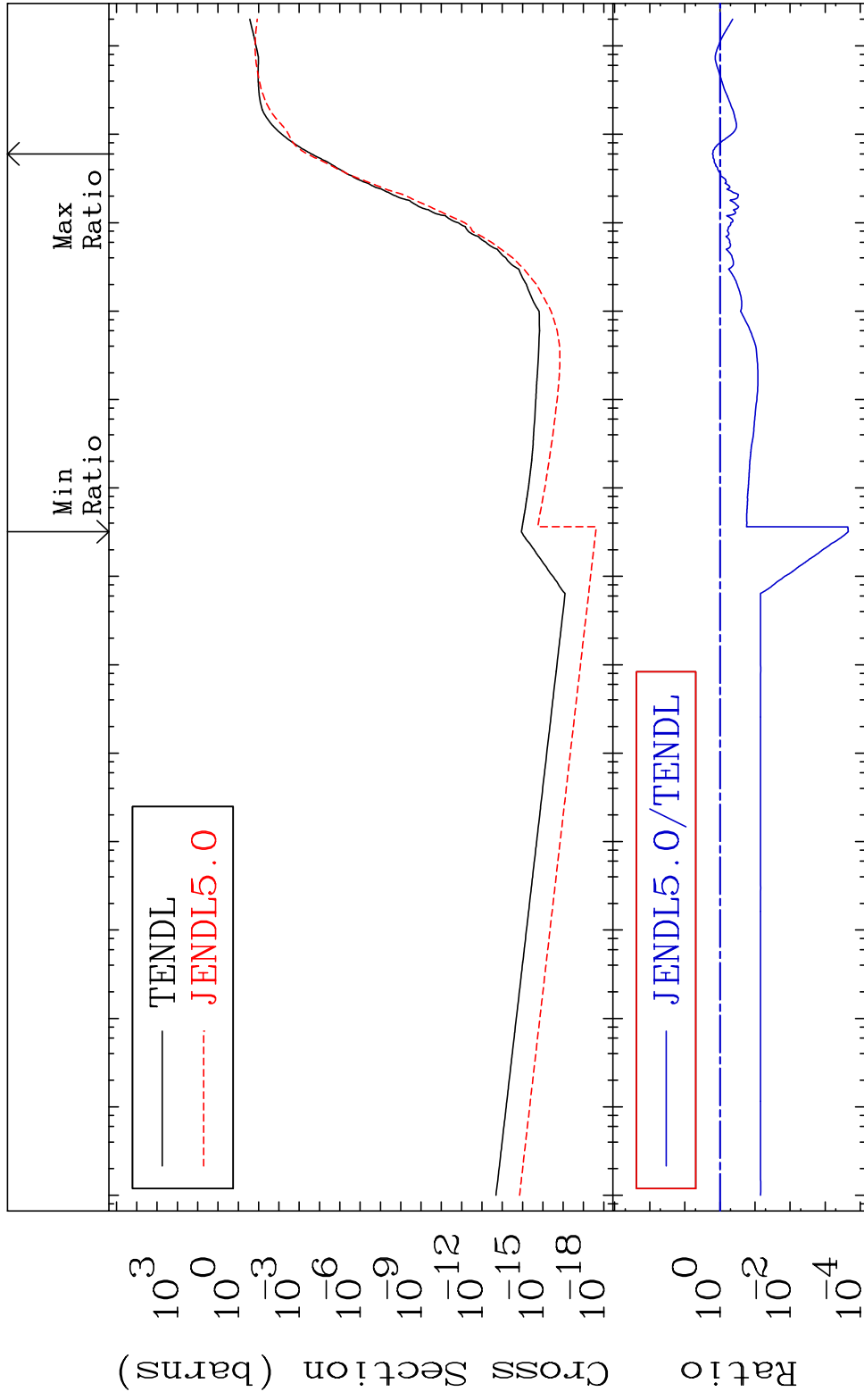
37 Incident Energy (eV) 38-Sr-84

MAT 3825

He-4 Production

38-Sr-84

Cross Section -99.98 To 64.04 %

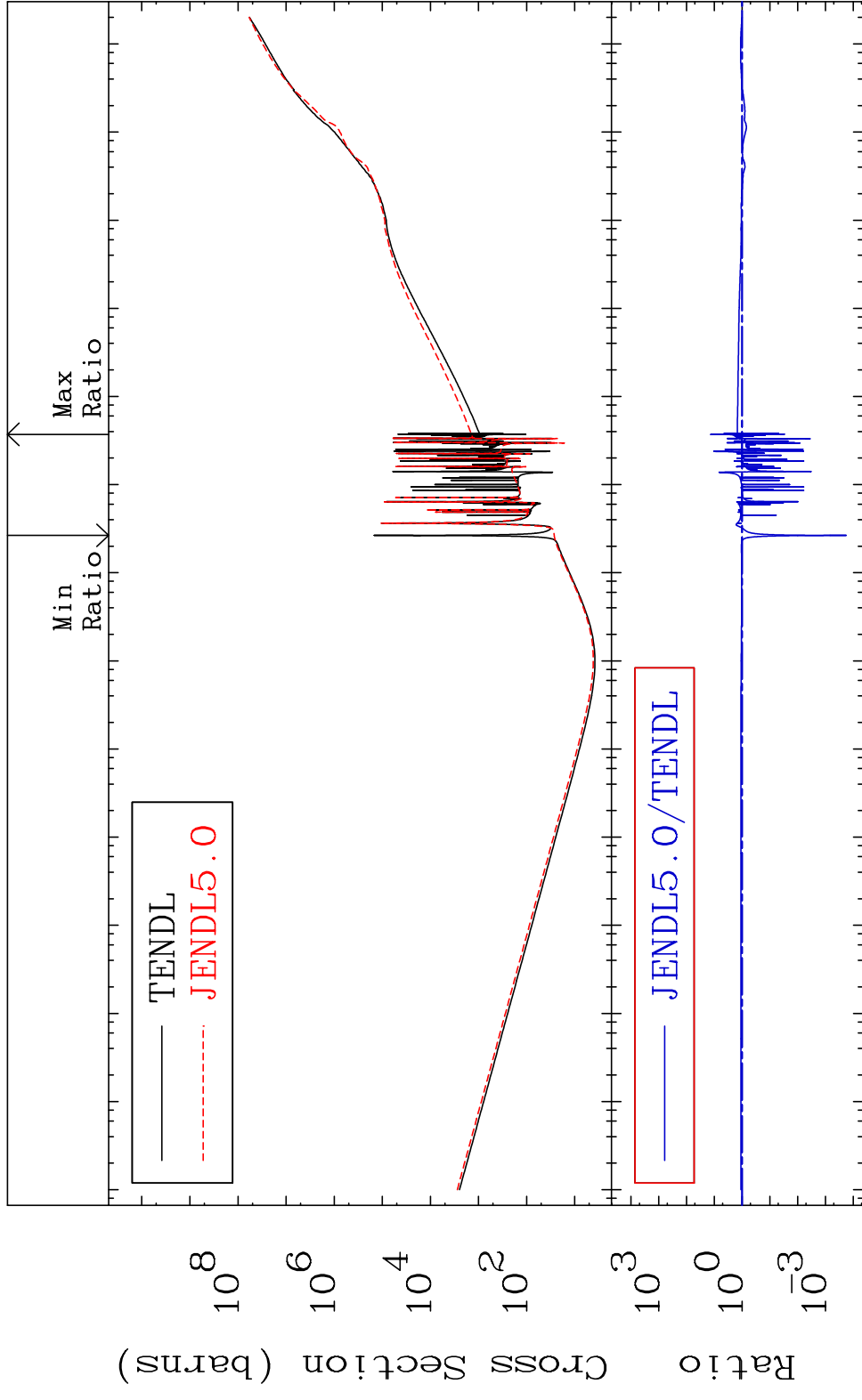


38

Incident Energy (eV)

38-Sr-84

MAT 3825 Kerma total (eV-barns) 38-Sr-84
 Cross Section -99.98 To 1254. %



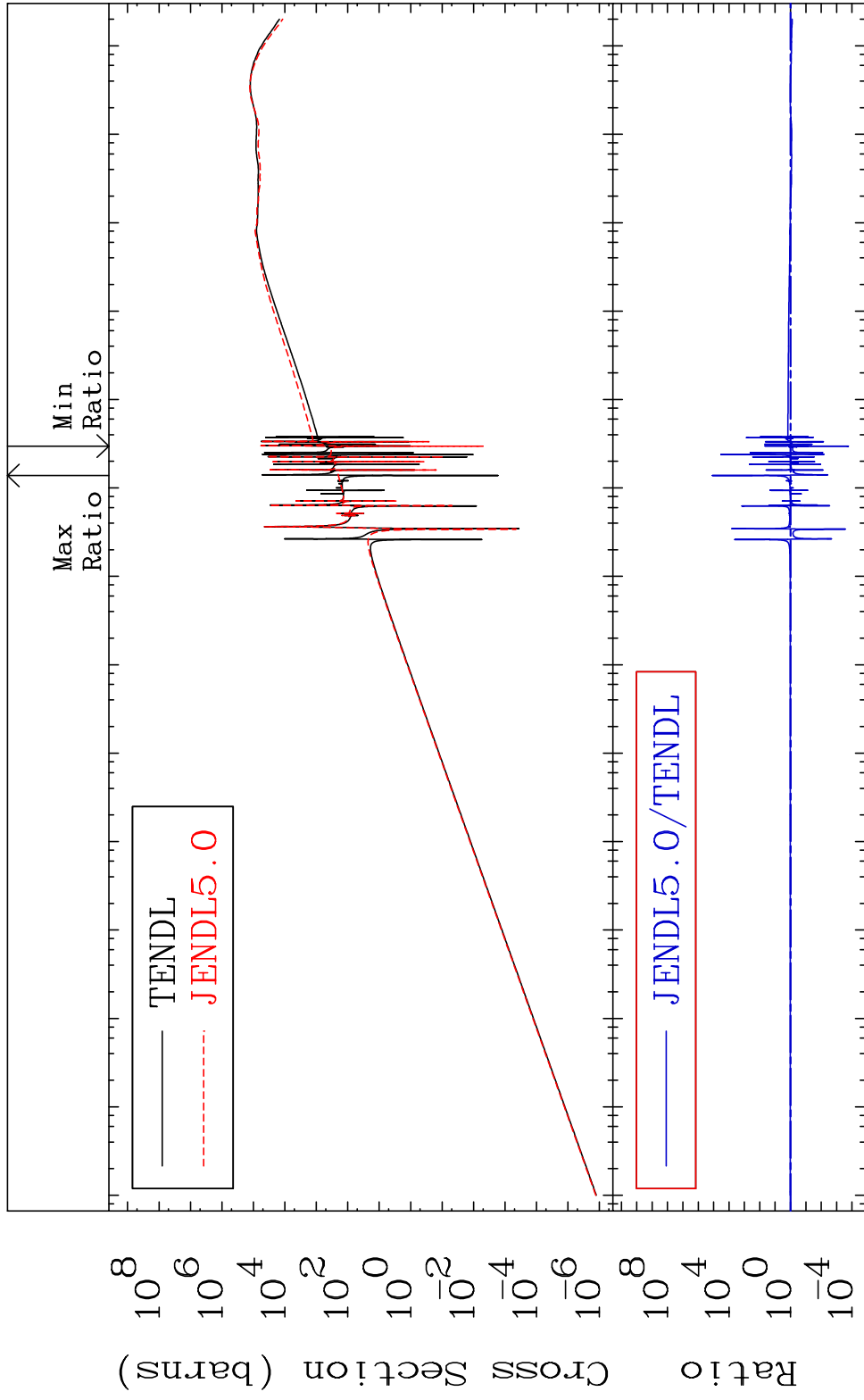
39 Incident Energy (eV) 38-Sr-84

MAT 3825

Kerma elastic
Cross Section

38-Sr-84

-99.98 To 9999. %

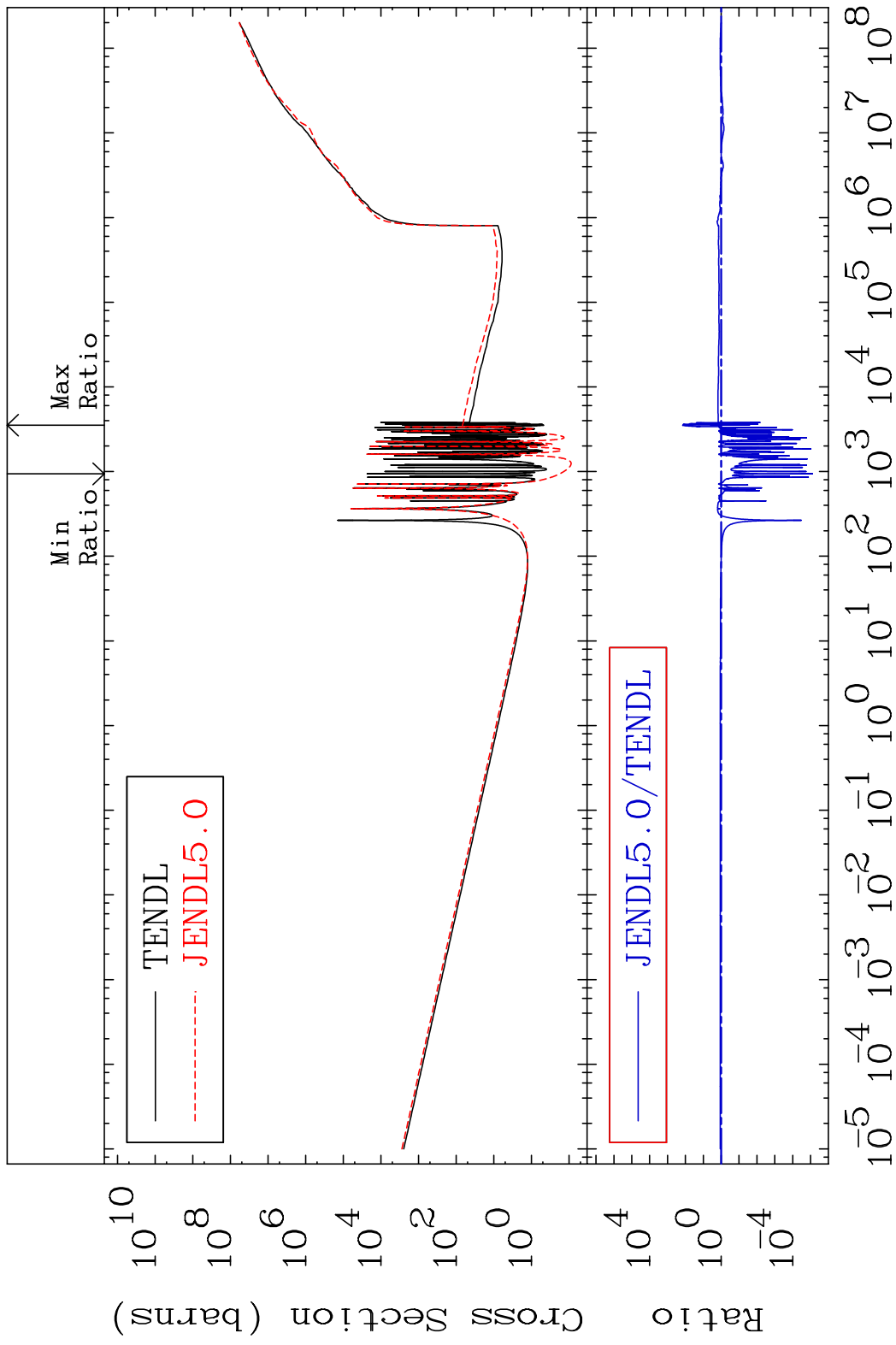


40

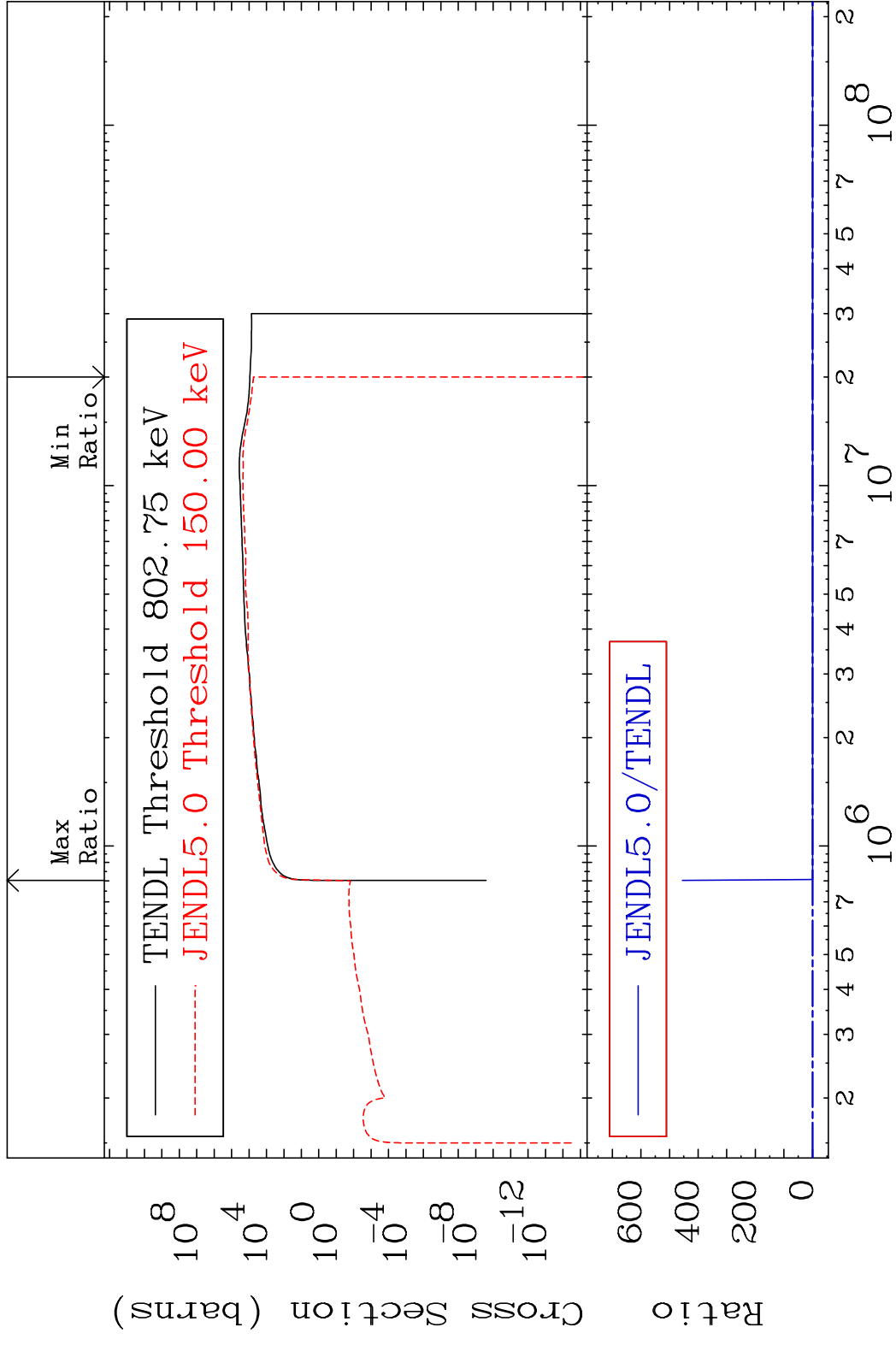
Incident Energy (eV)

38-Sr-84

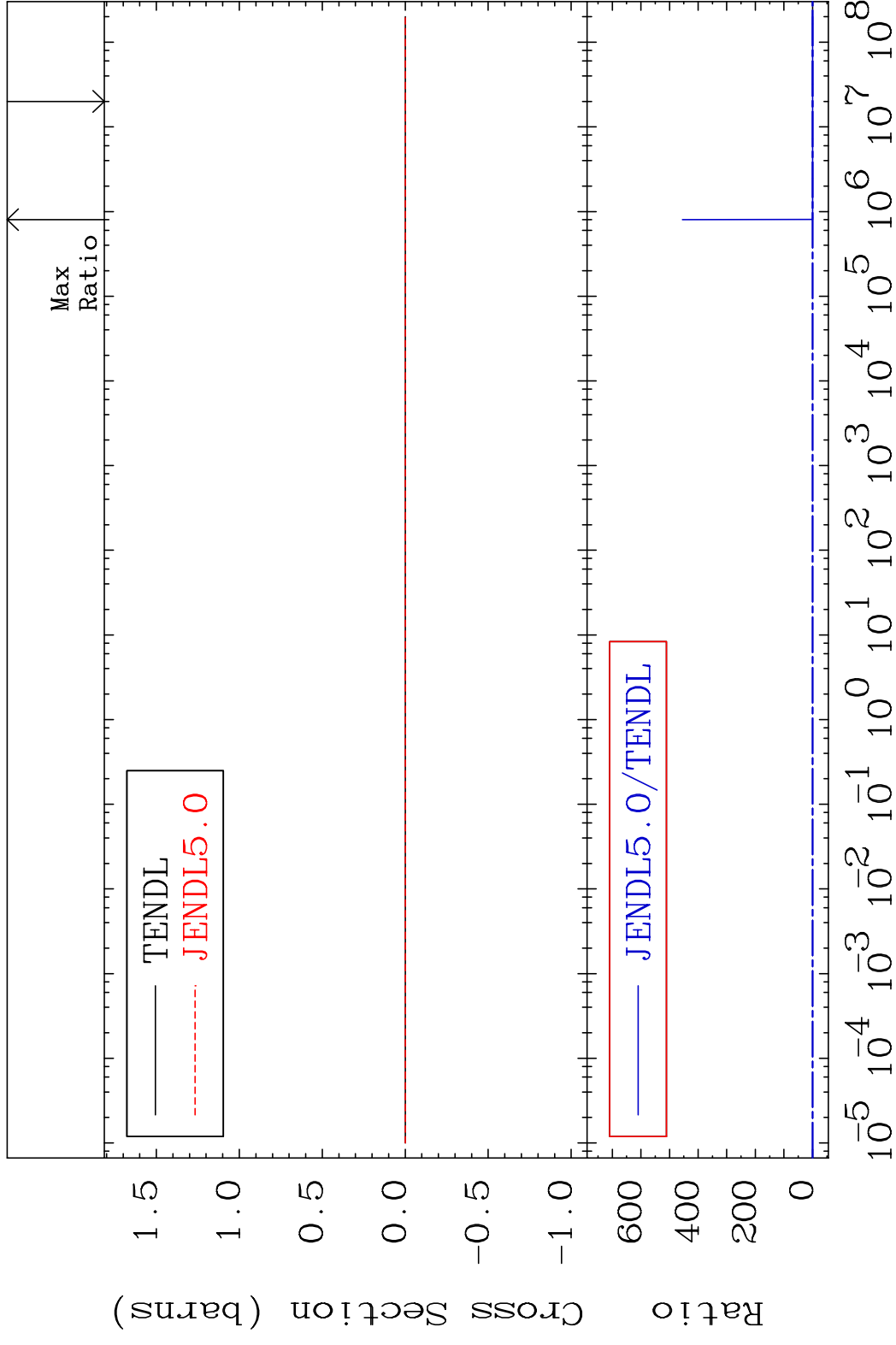
MAT 3825 Kerma non-elastic (all but mt2) 38-Sr-84
 Cross Section -100.0 To 9999. %



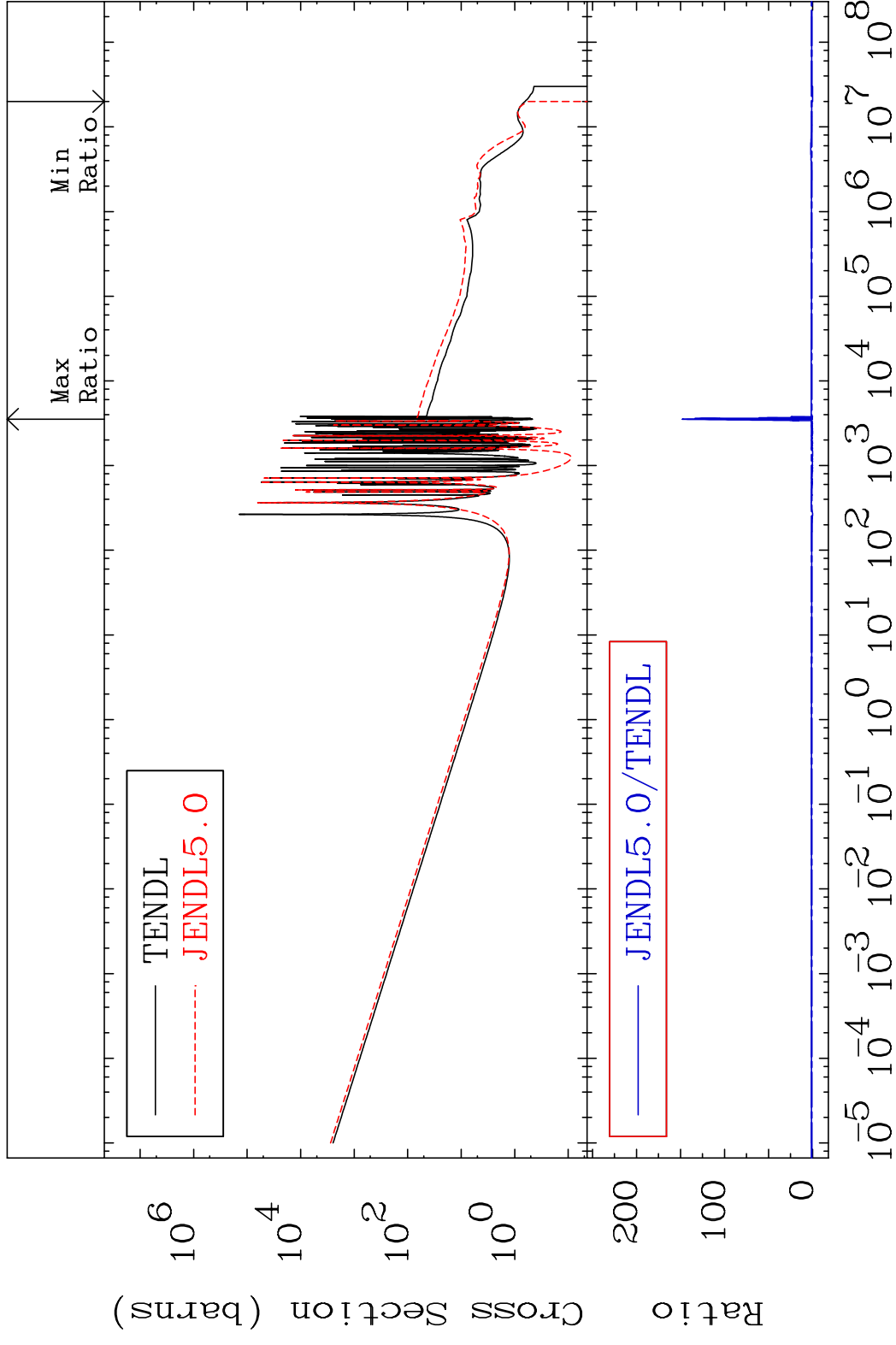
MAT 3825 Kerma inelastic (mt51-91) 38-Sr-84
 Cross Section -100.0 To 9999. %



MAT 3825 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-84
 Cross Section -100.0 To 9999. %

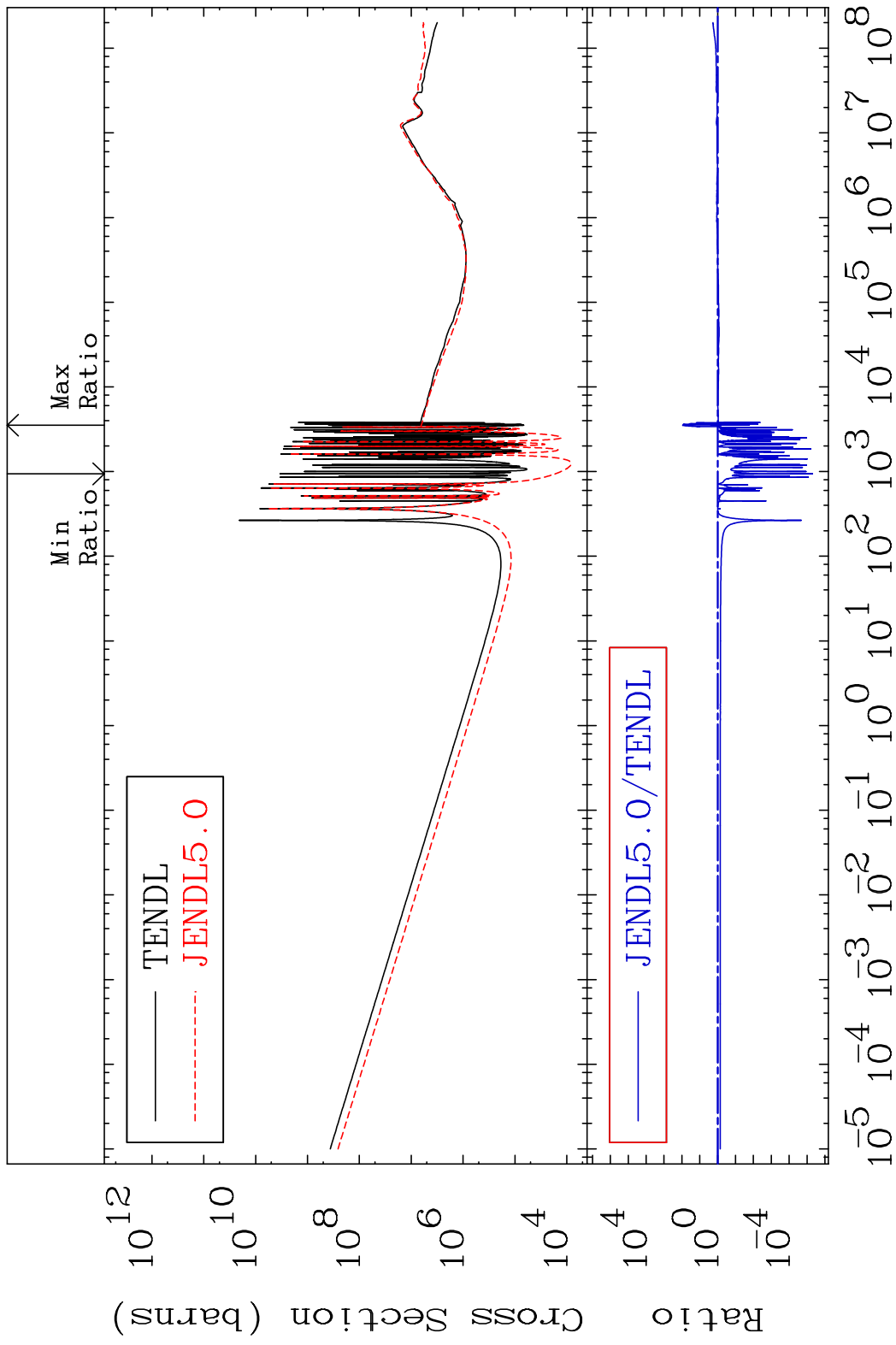


MAT 3825 Kerma capture (mt102) 38-Sr-84
Cross Section -100.0 To 9999. %



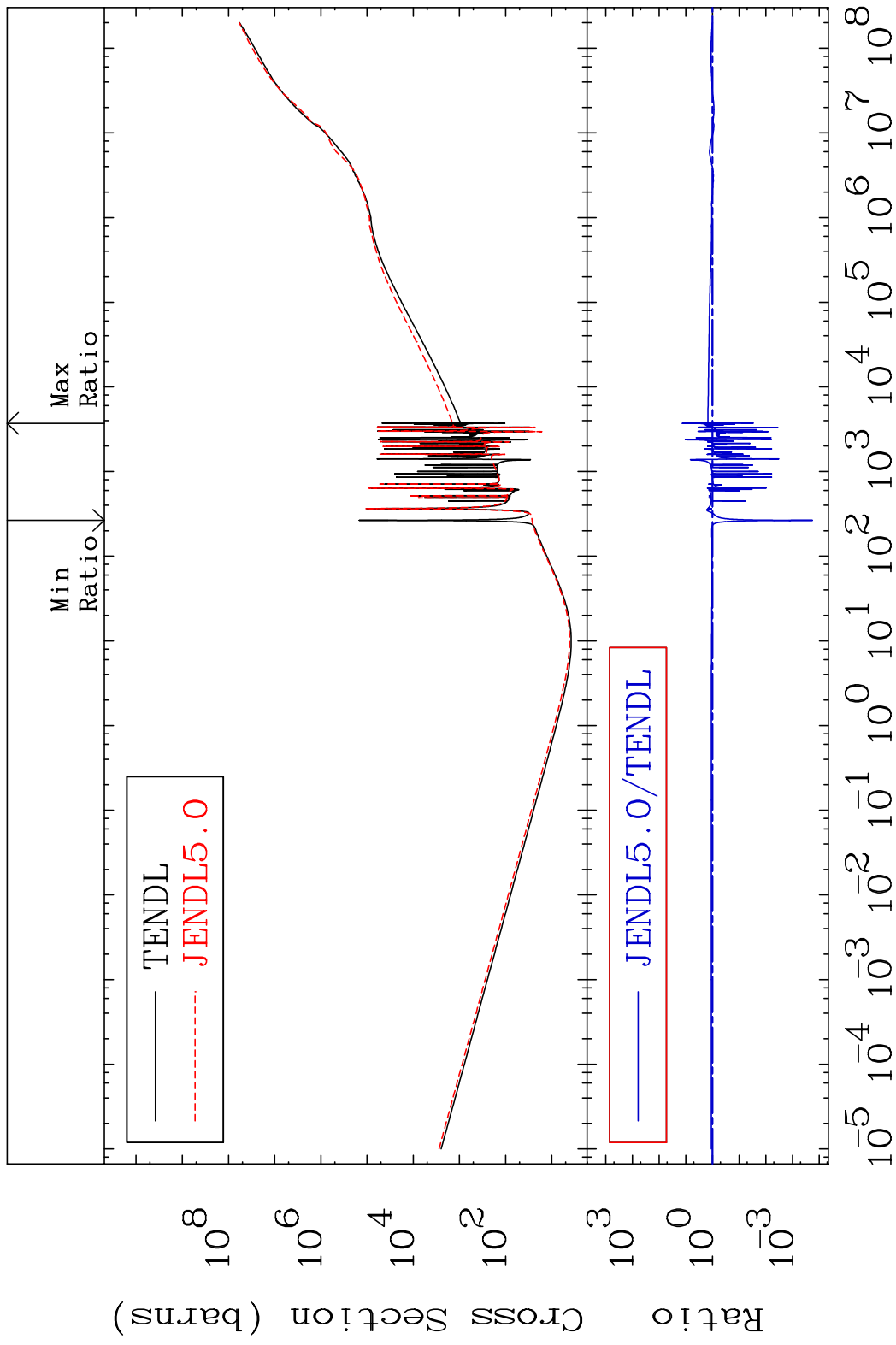
44 Incident Energy (eV) 38-Sr-84

MAT 3825 Total photon (eV-barns) 38-Sr-84
Cross Section -100.0 To 9323. %

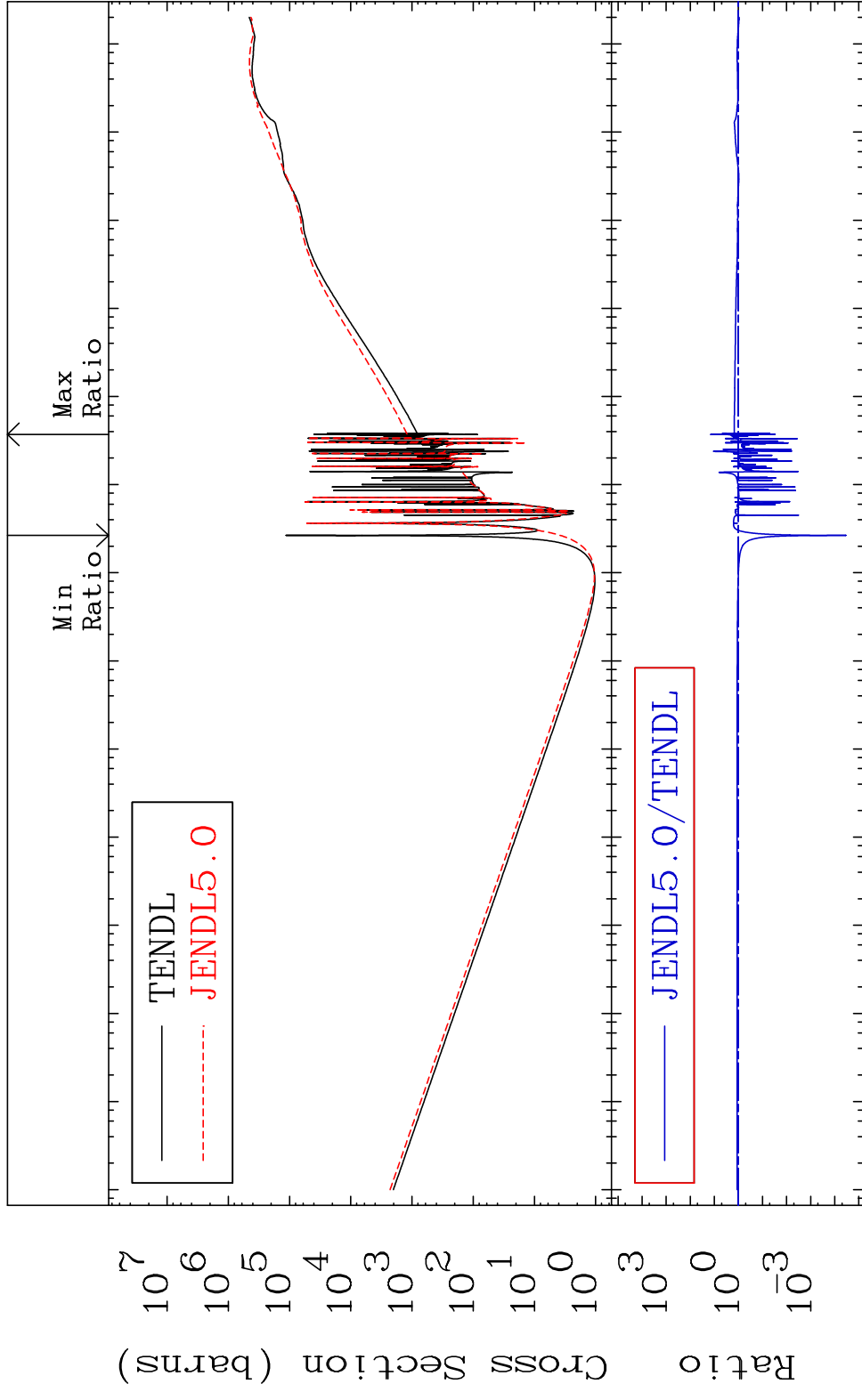


45 Incident Energy (eV) 38-Sr-84

MAT 3825 Total kinematic kerma (high limit) 38-Sr-84
Cross Section -99.98 To 1254. %



MAT 3825 Dpa total (eV-barns) 38-Sr-84
 Cross Section -100.0 To 1313. %



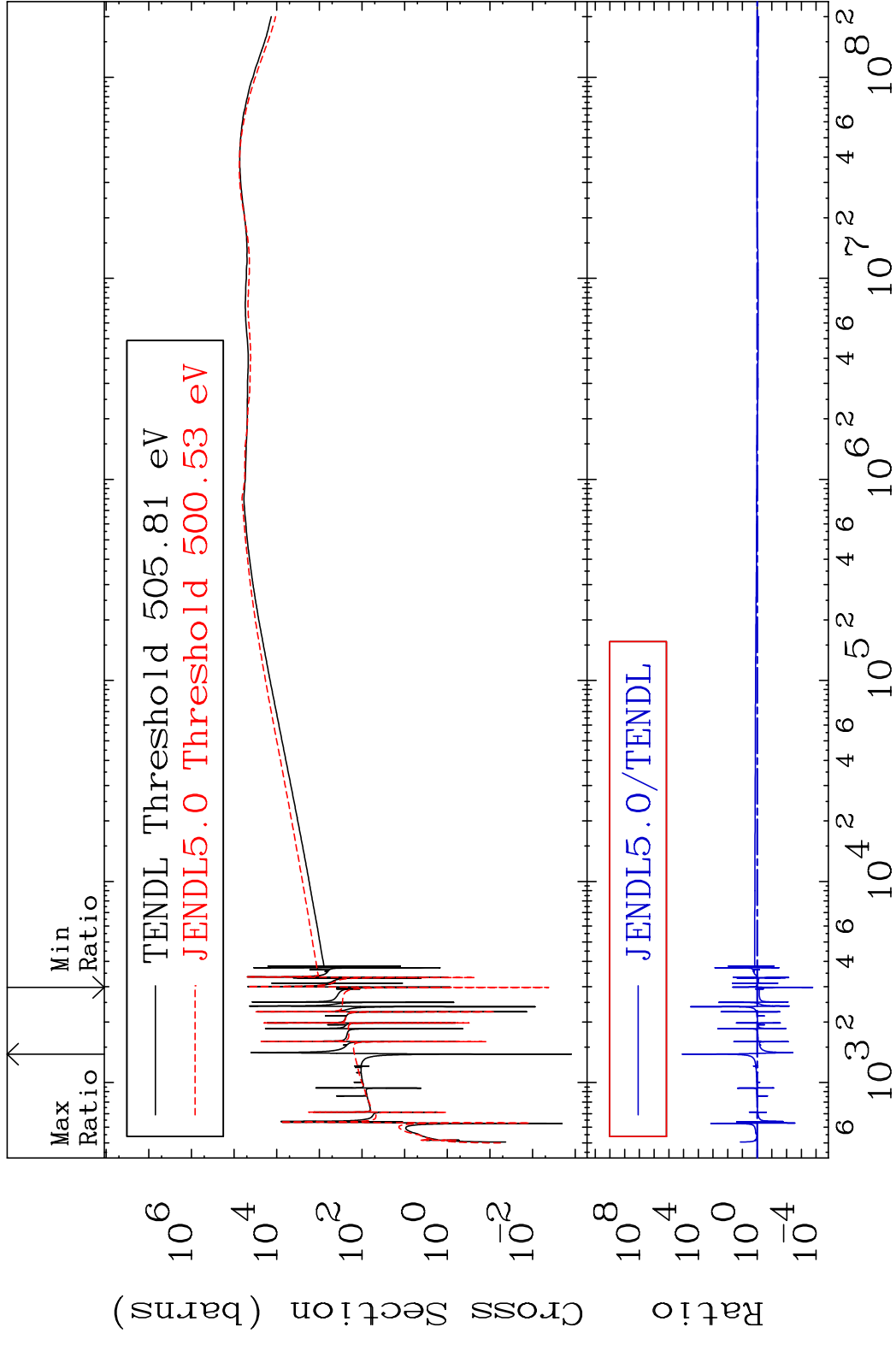
47 Incident Energy (eV) 38-Sr-84

MAT 3825

Dpa elastic (mt2)

38-Sr-84

Cross Section -99.98 To 9999. %

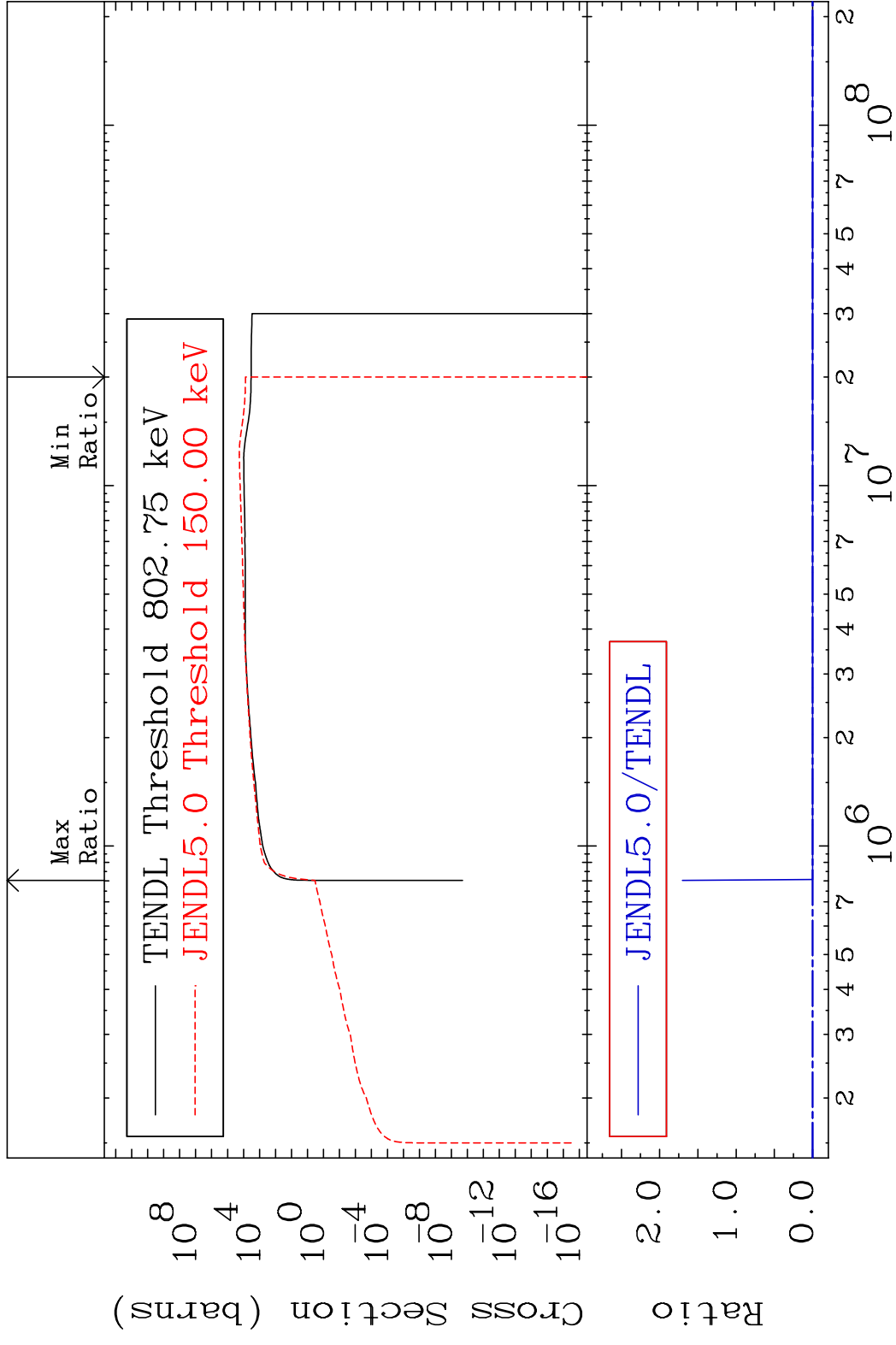


48

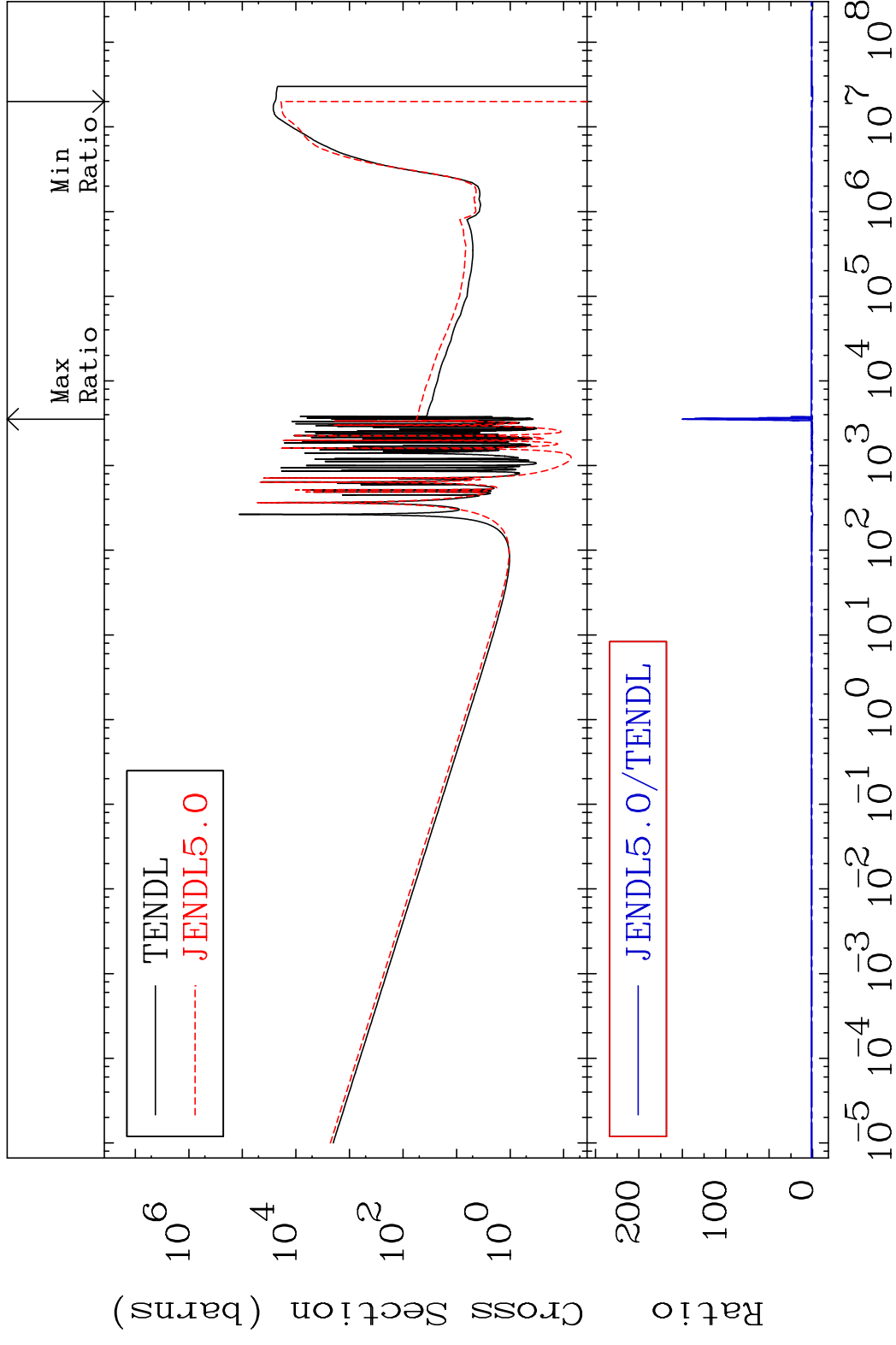
Incident Energy (eV)

38-Sr-84

MAT 3825 Dpa inelastic (mt51-91) 38-Sr-84
 Cross Section -100.0 To 9999. %

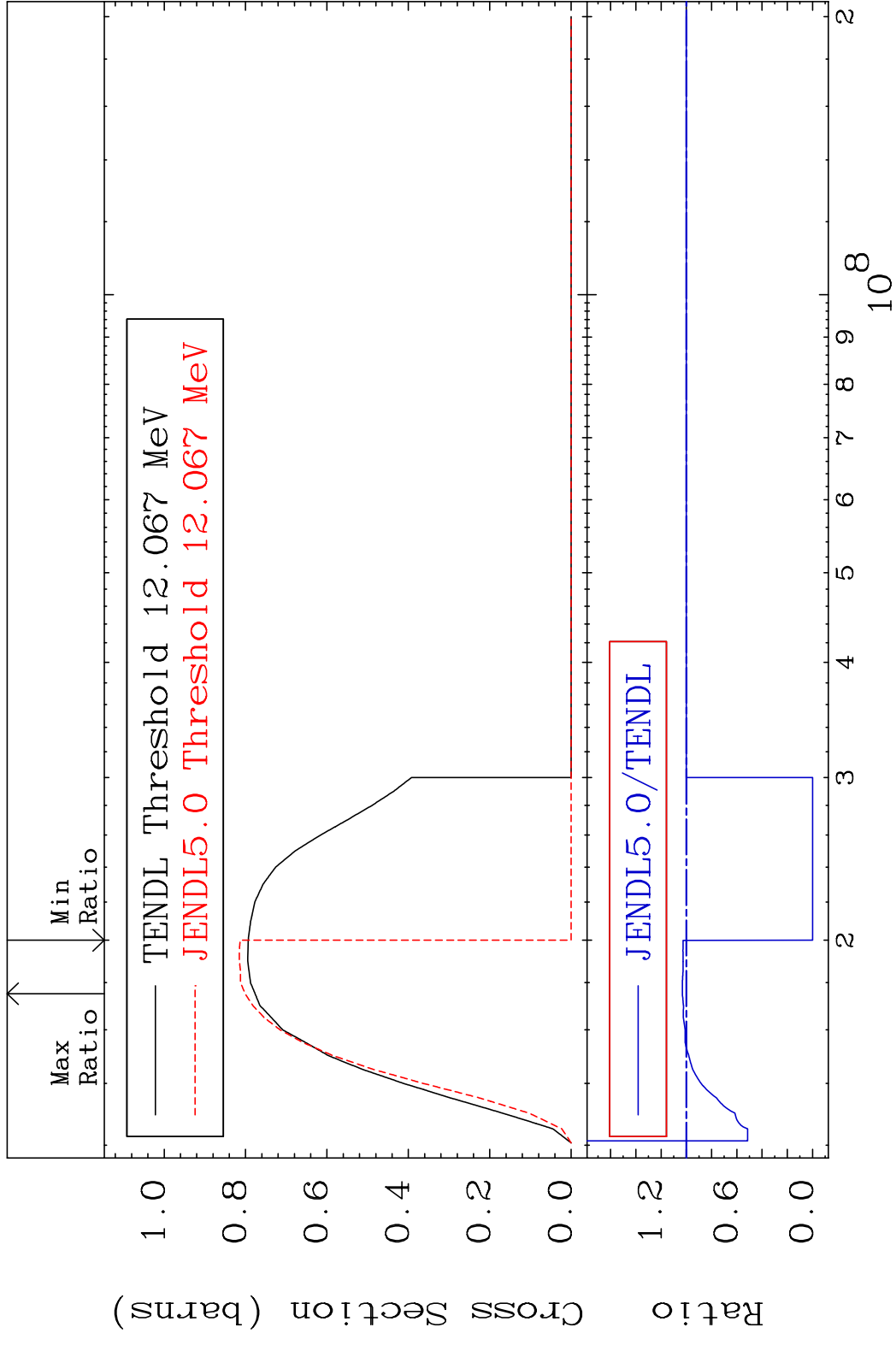


MAT 3825 Dpa disappearance (mt102 -120) 38-Sr-84
 Cross Section -100.0 To 9999. %

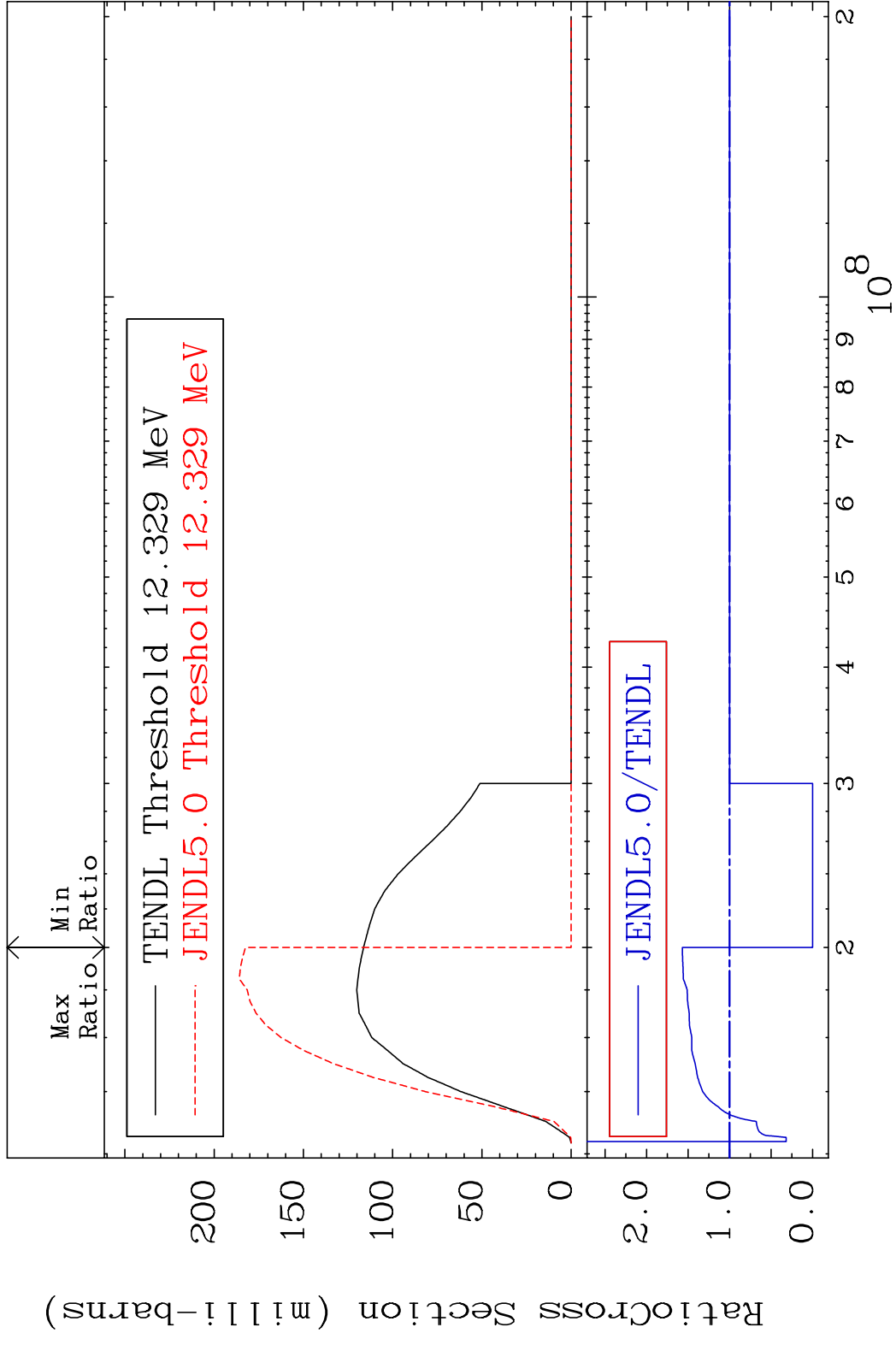


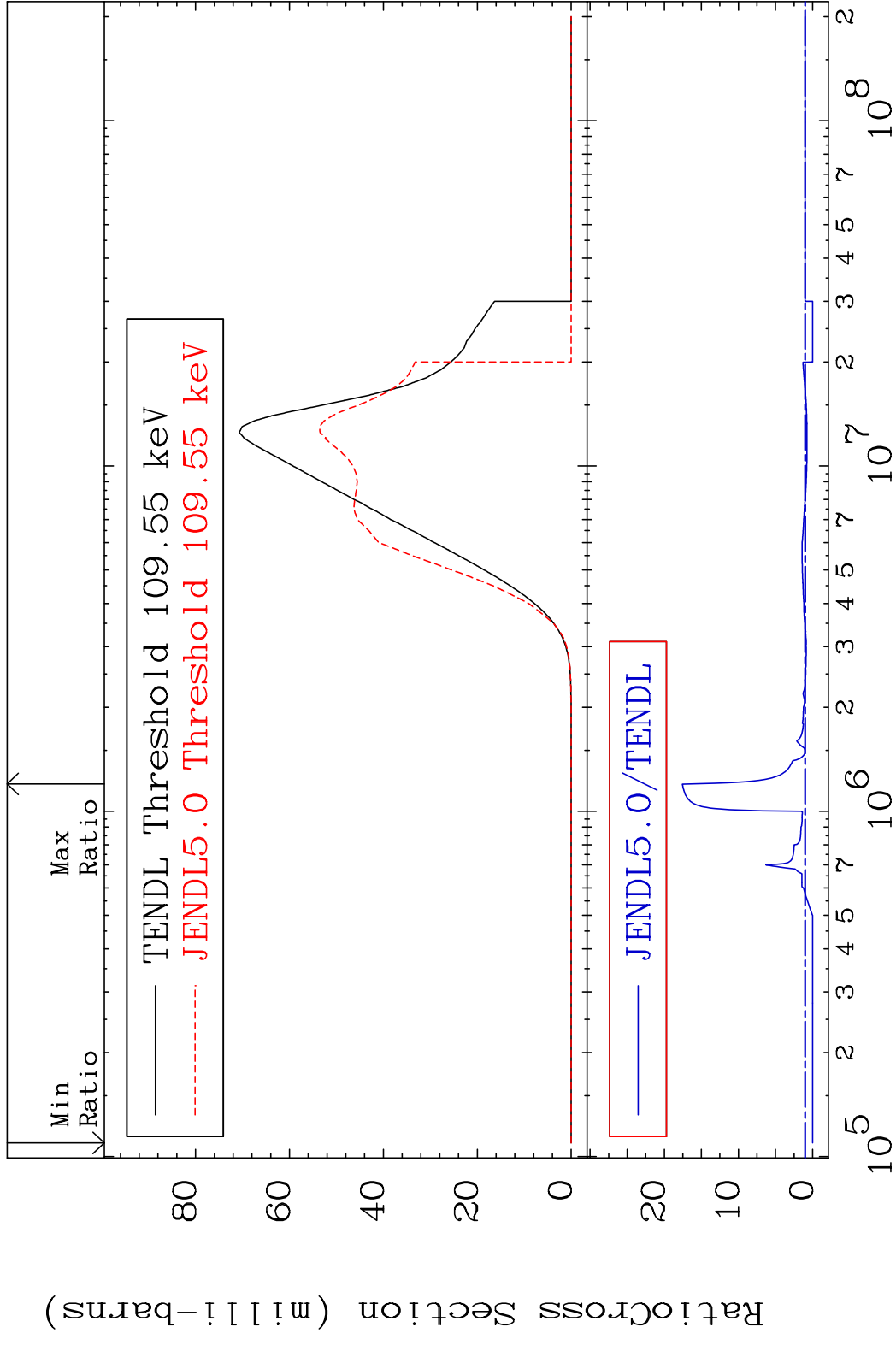
50 Incident Energy (eV) 38-Sr-84

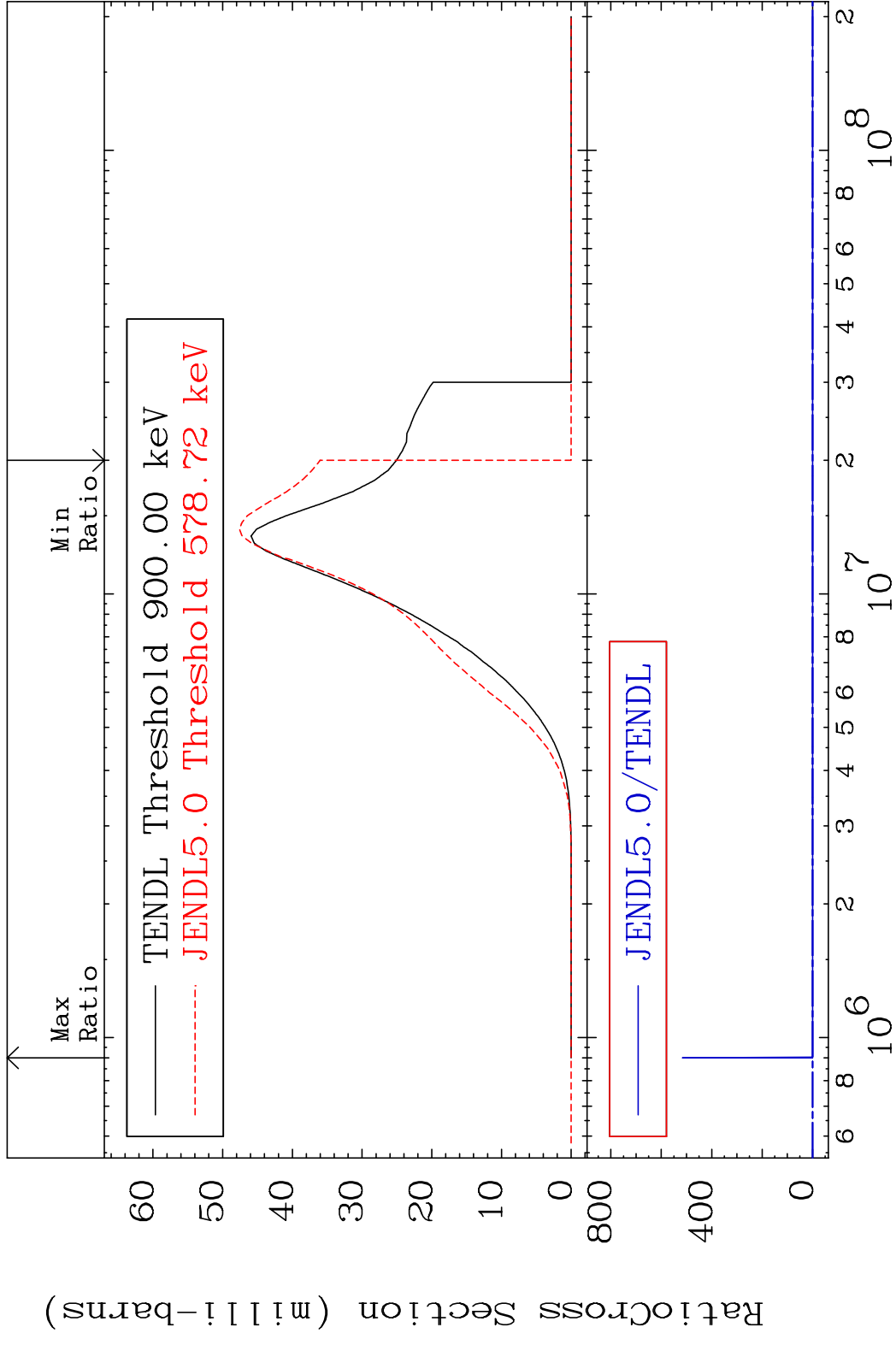
MAT 3825 (n,2n):38-Sr-83g 38-Sr-84
 Radionuclide Production Cross Section Ratio 3.137 %

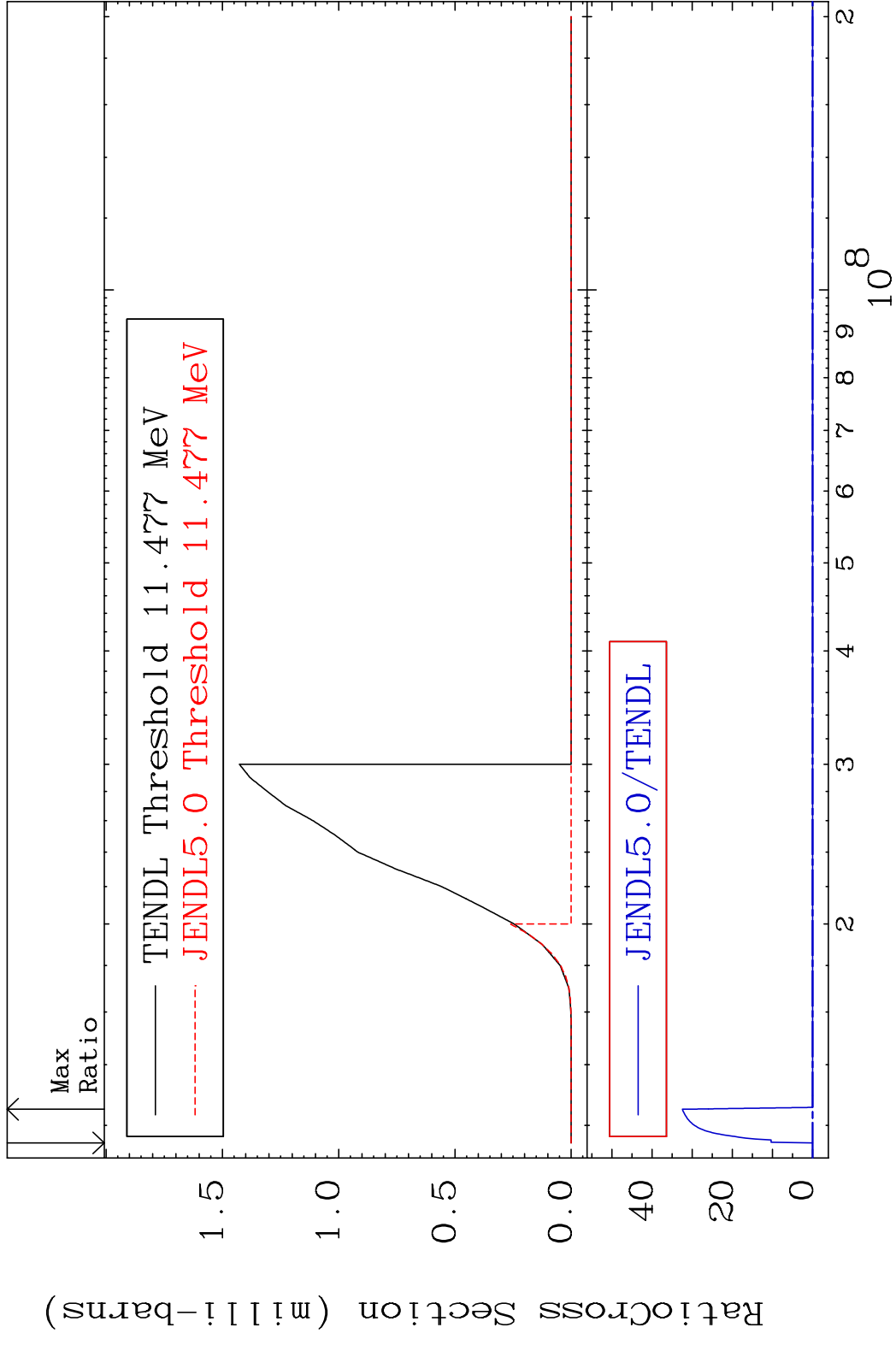


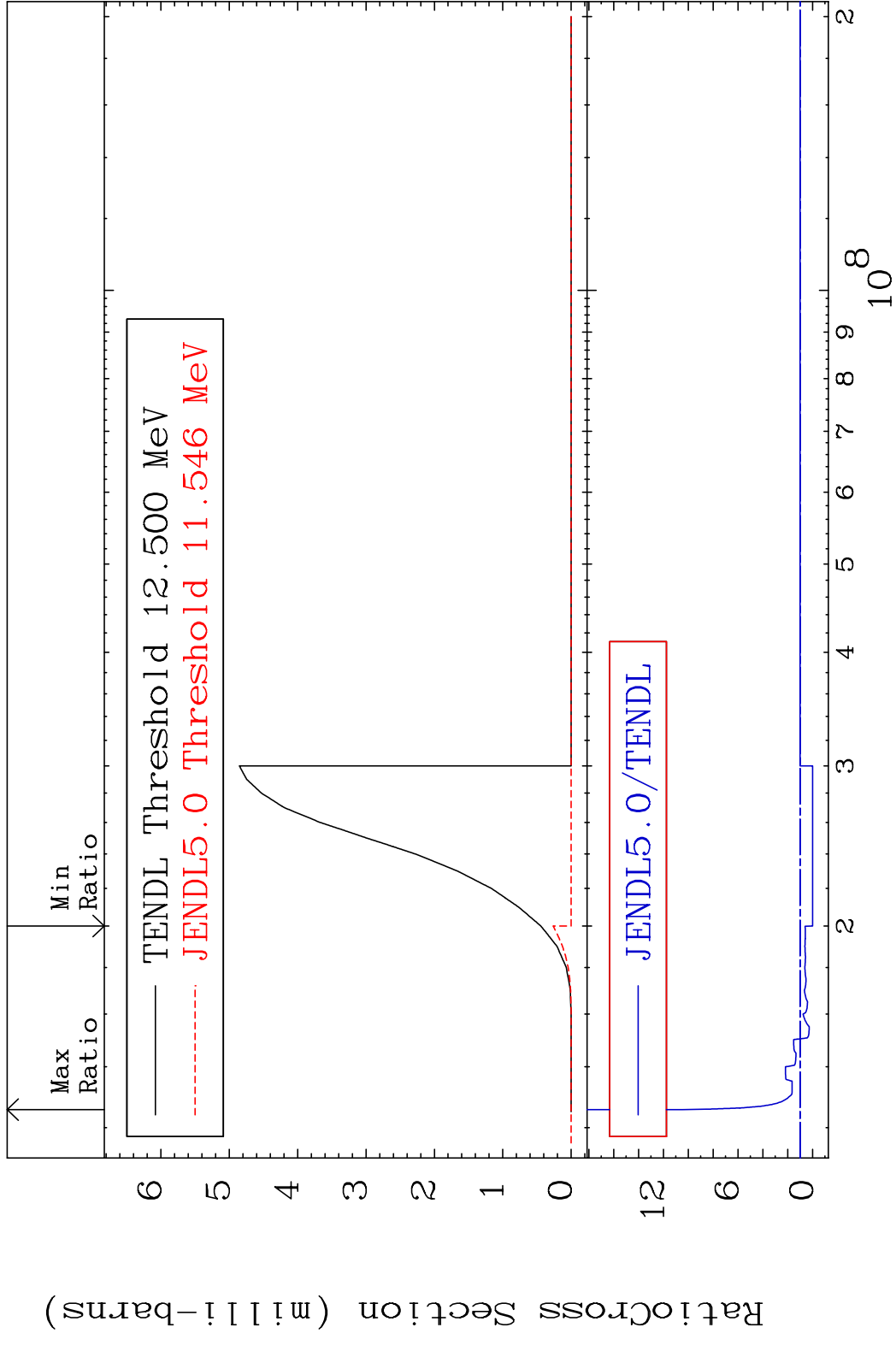
MAT 3825 (n,2n):38-Sr-83m2 38-Sr-84
 Radionuclide Production Cross Section 56.88 %



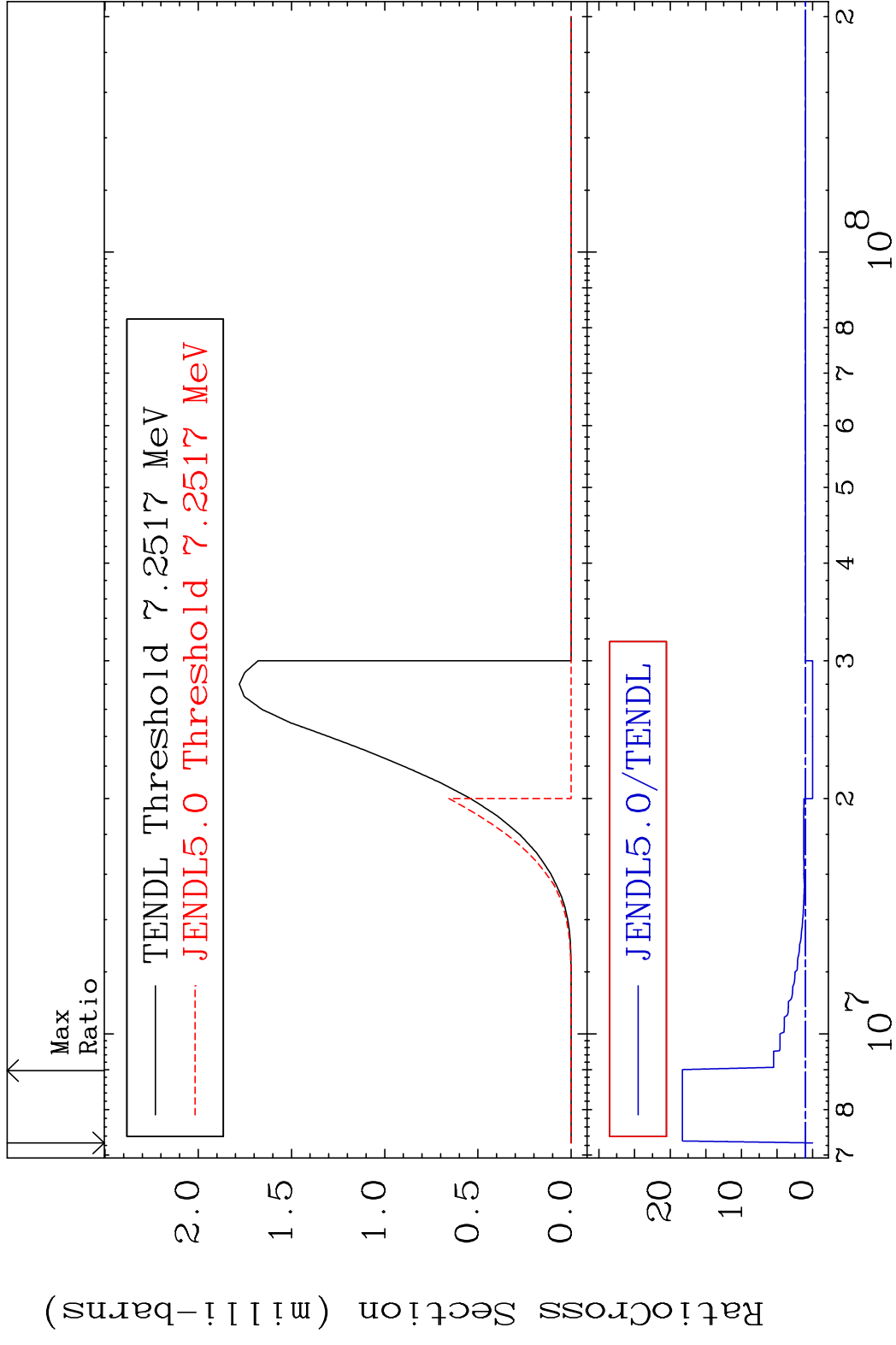




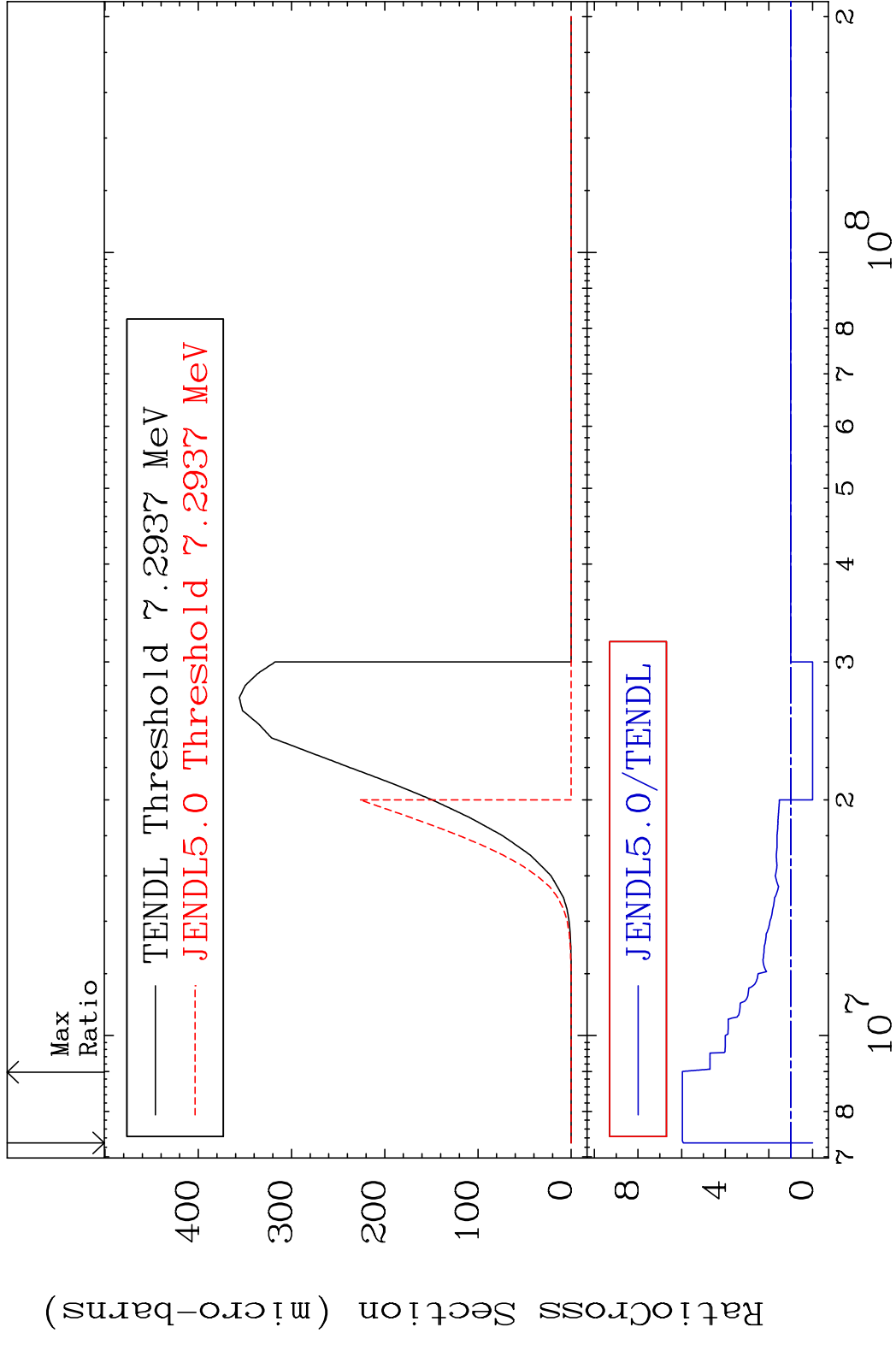


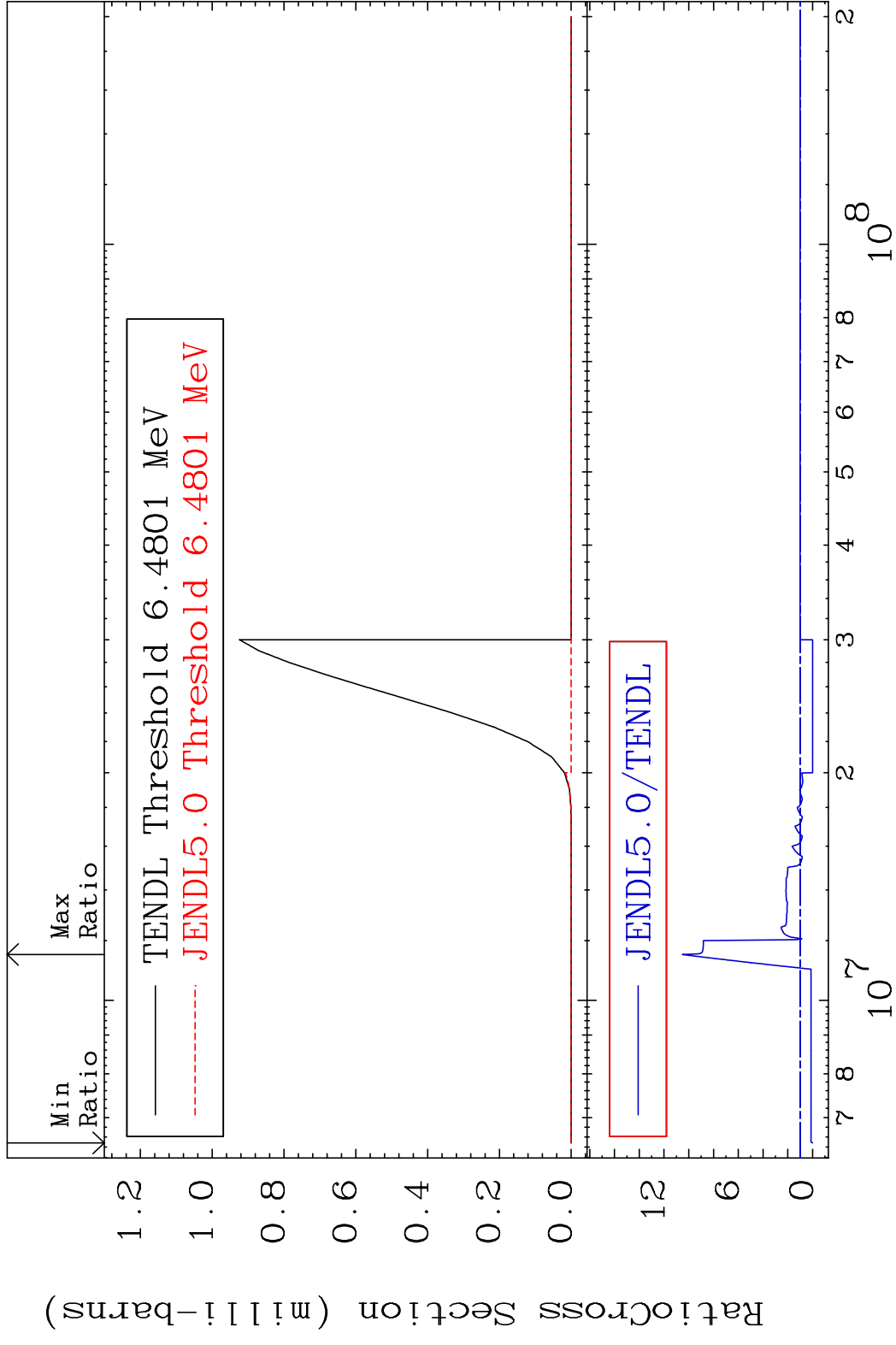


MAT 3825 (n,2p):36-Kr-83g 38-Sr-84
 Radionuclide Production Cross Section Ratio 1729. %

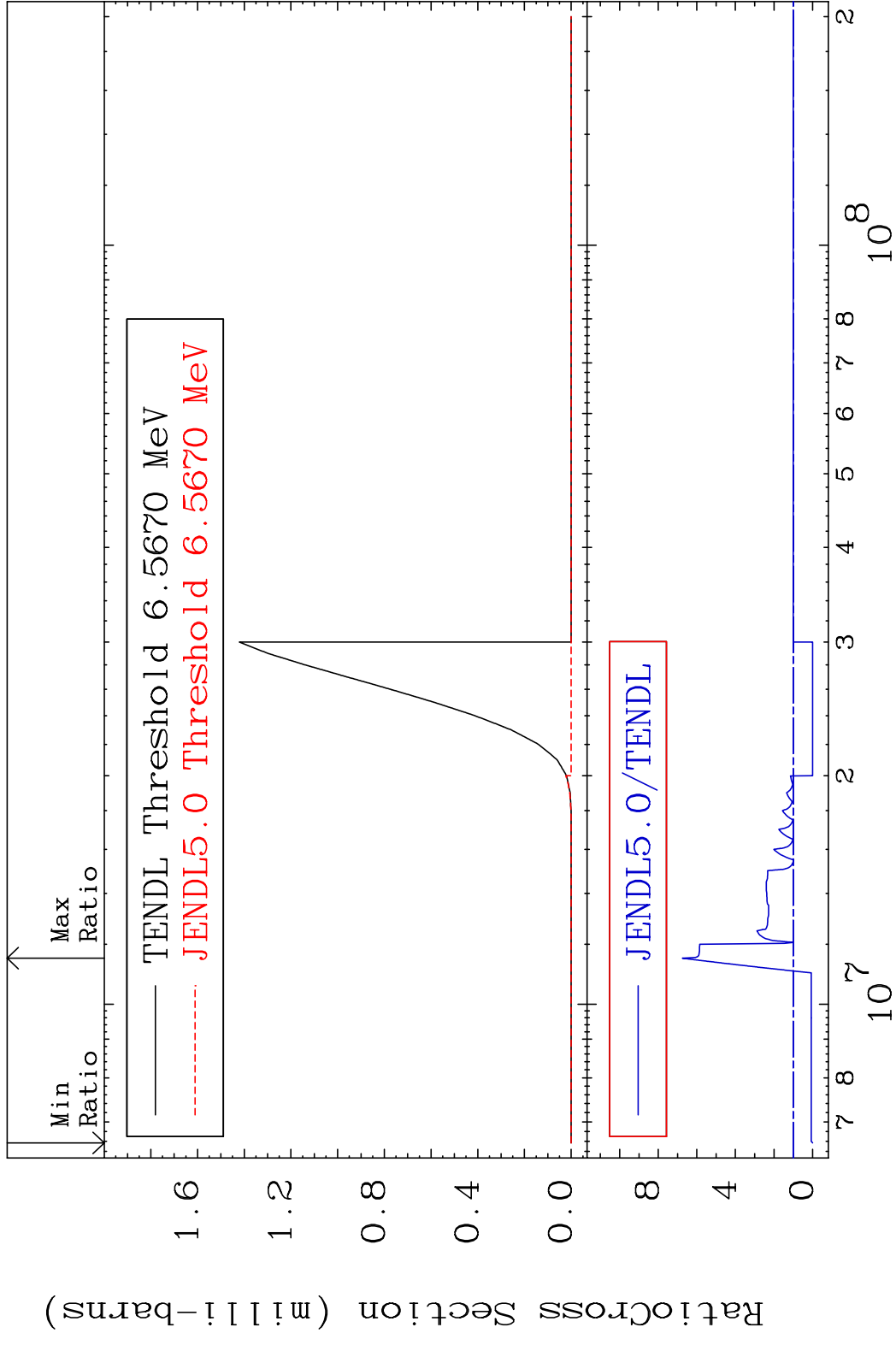


MAT 3825 (n,2p):36-Kr-83m2 38-Sr-84
 Radionuclide Production Cross Section 496.7 %



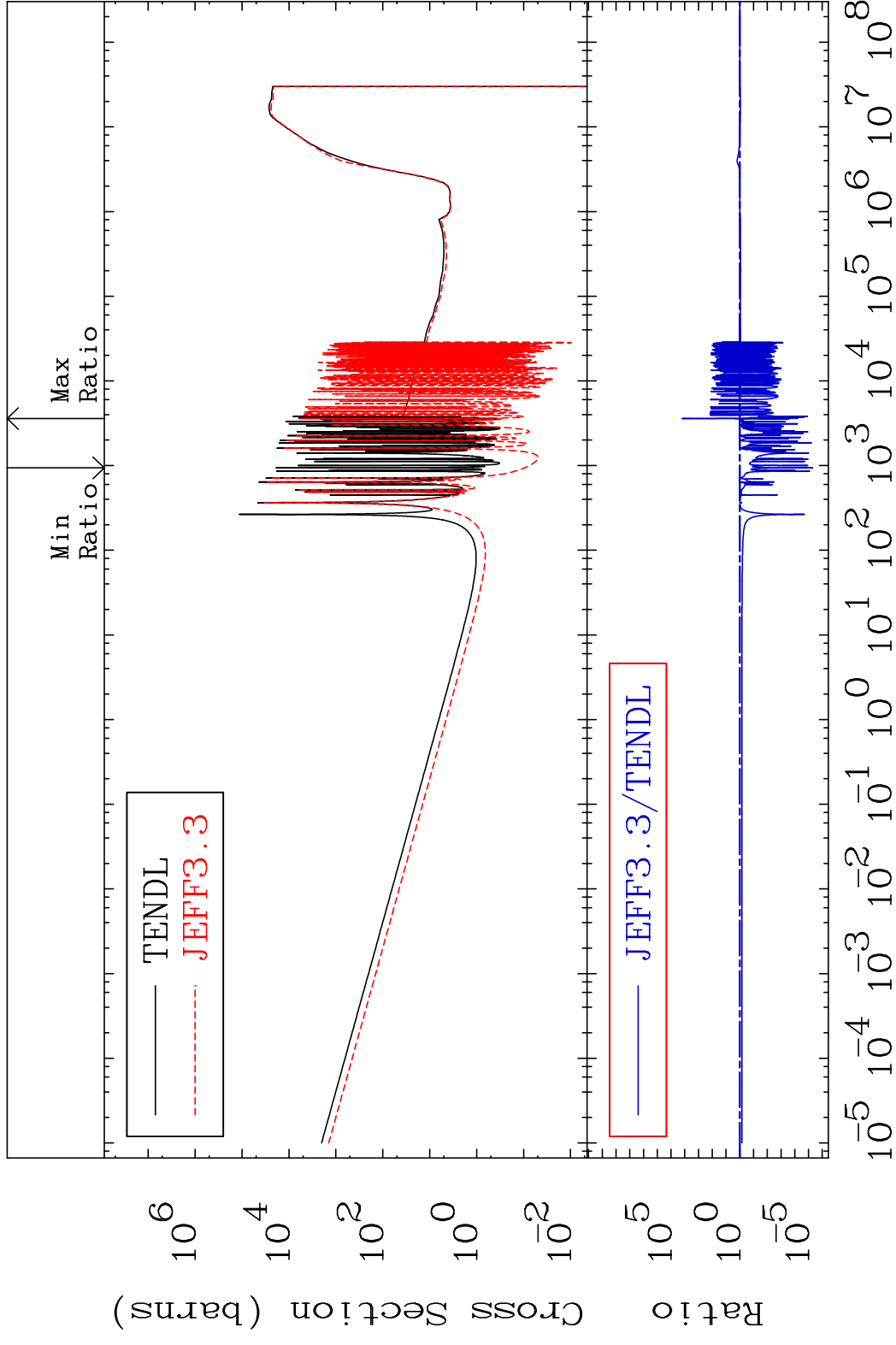


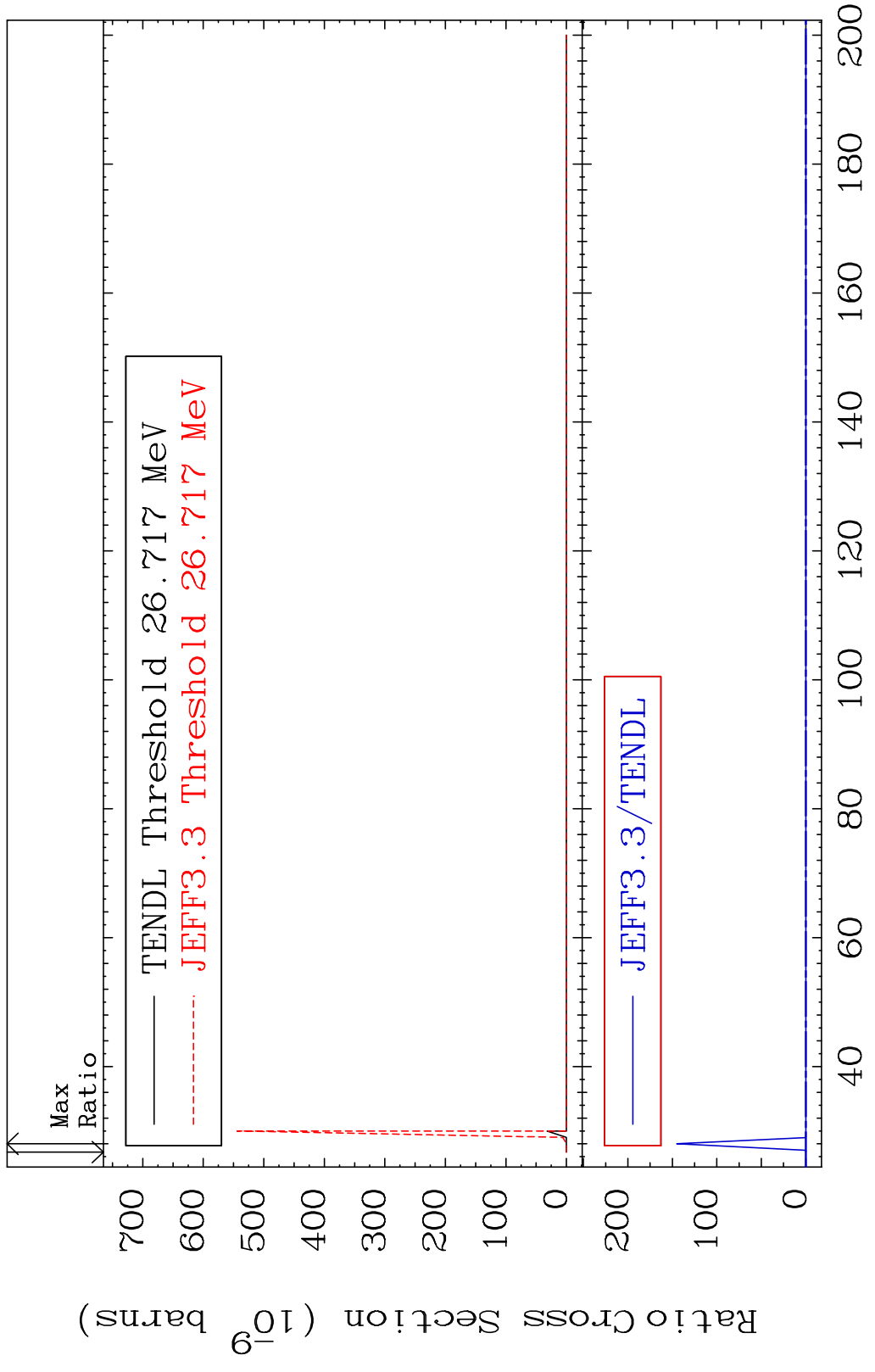
MAT 3825 (n,p) α :35-Br-80m2 38-Sr-84
 Radionuclide Production Cross Section 1800.0 dth 575.0 %



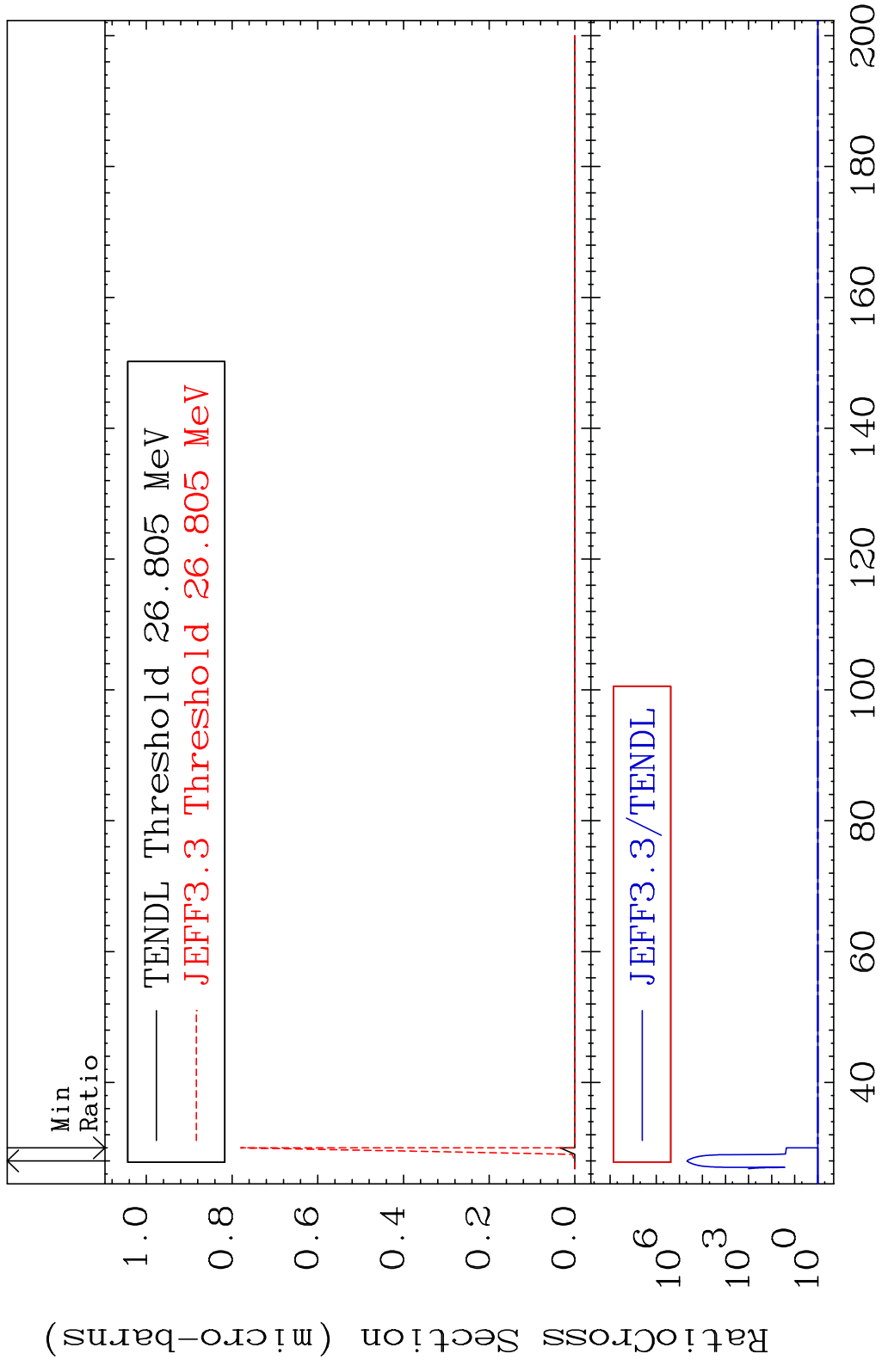
60 Incident Energy (eV) 38-Sr-84

MAT 3825 Dpa disappearance (mt102 -120) 38-Sr-84
 Cross Section -100.0 To 9999. %

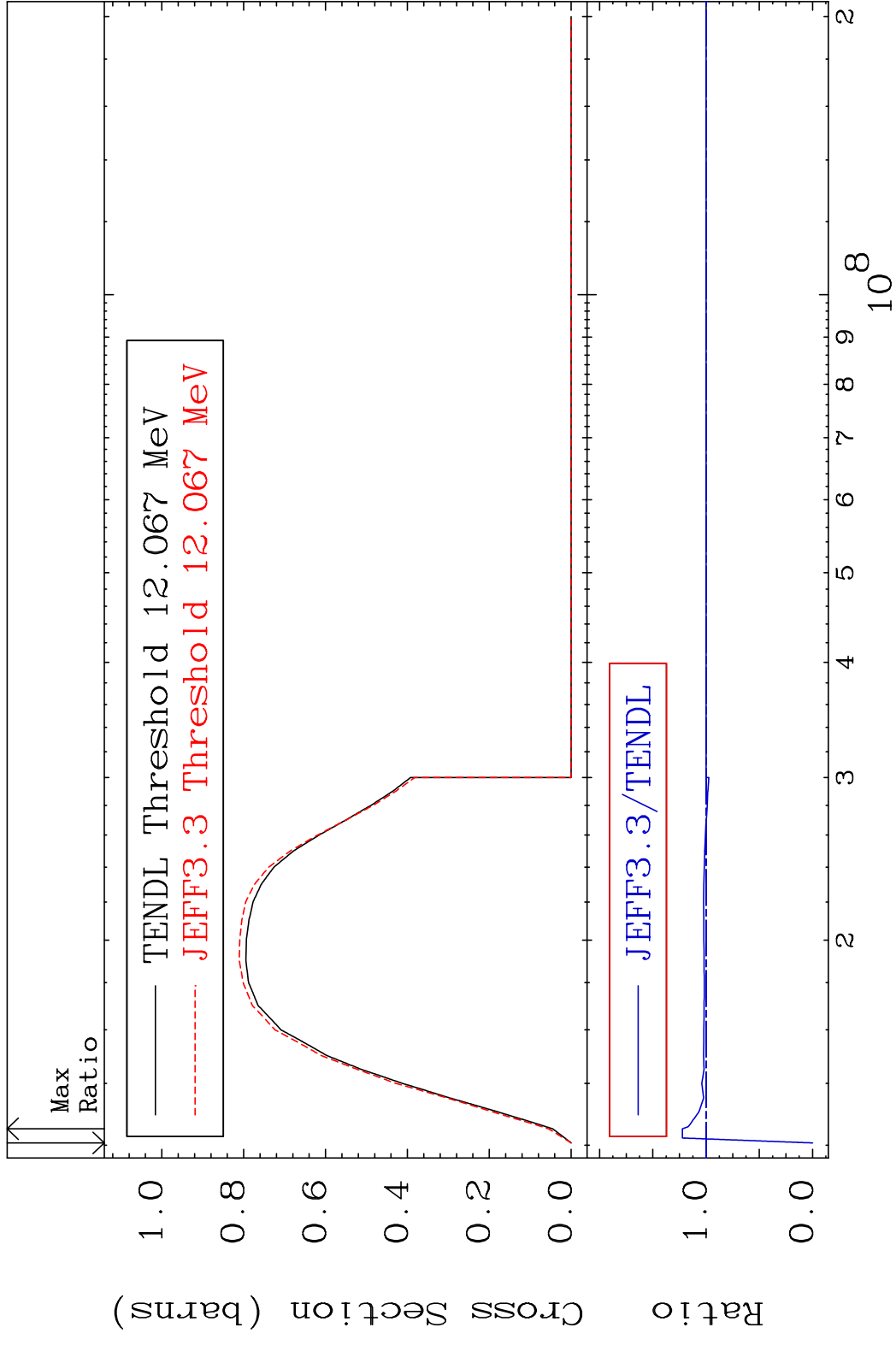




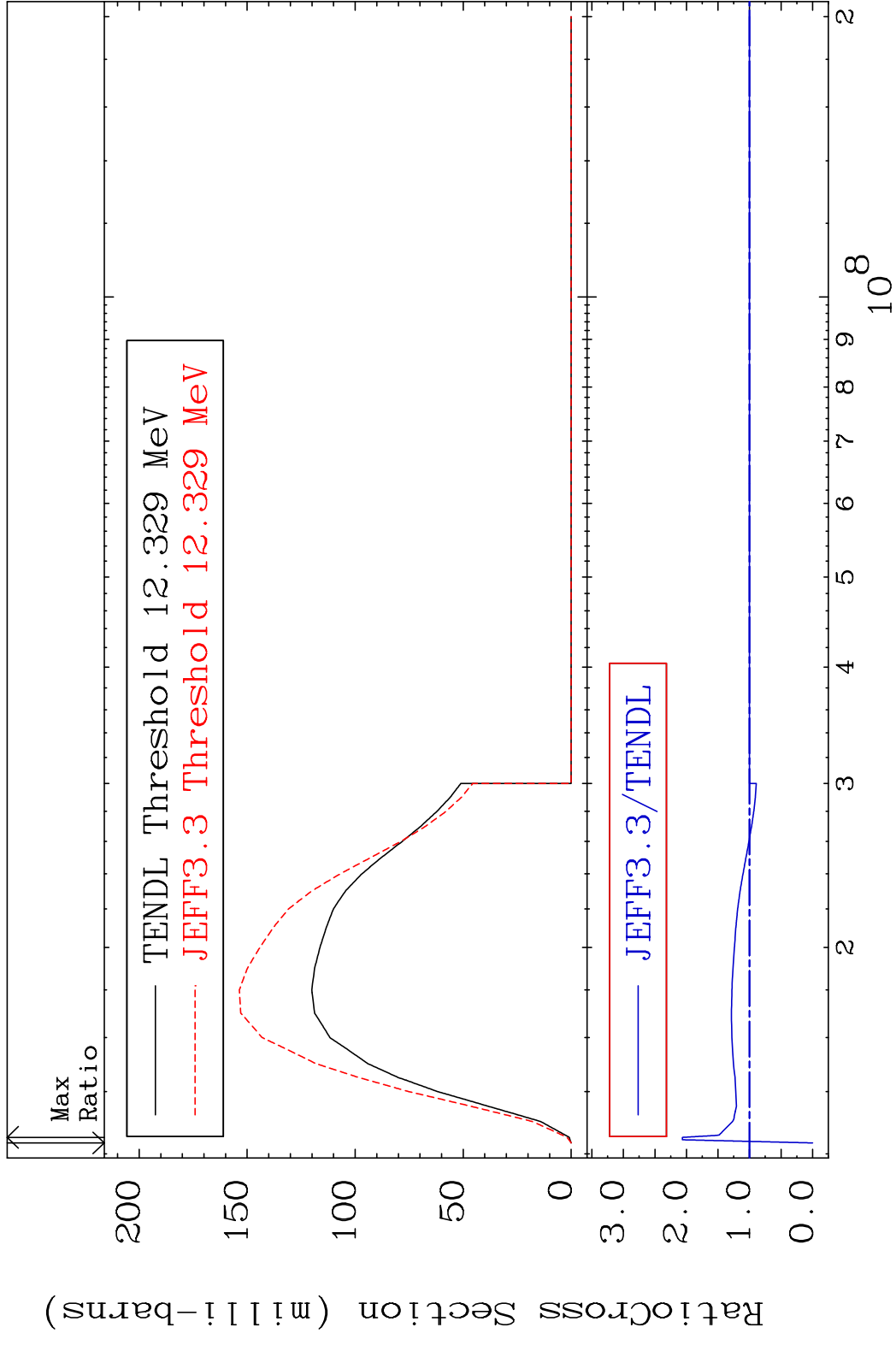
MAT 3825 (n,2n) d:37-Rb-81m1 38-Sr-84
 Radionuclide Production Cross Section 9999. %

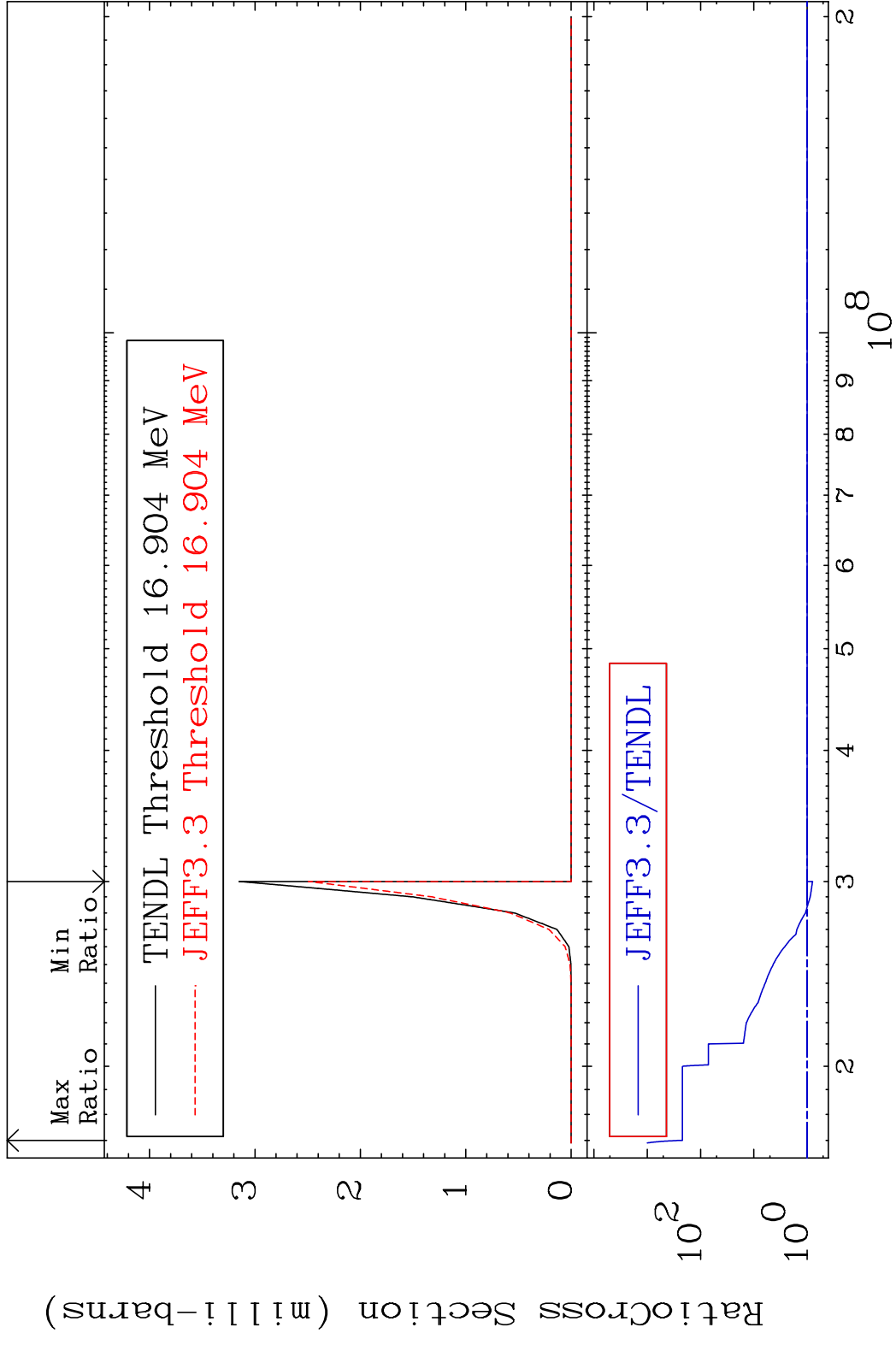


MAT 3825 (n,2n):38-Sr-83g 38-Sr-84
 Radionuclide Production Cross Section Ratio 22.28 %

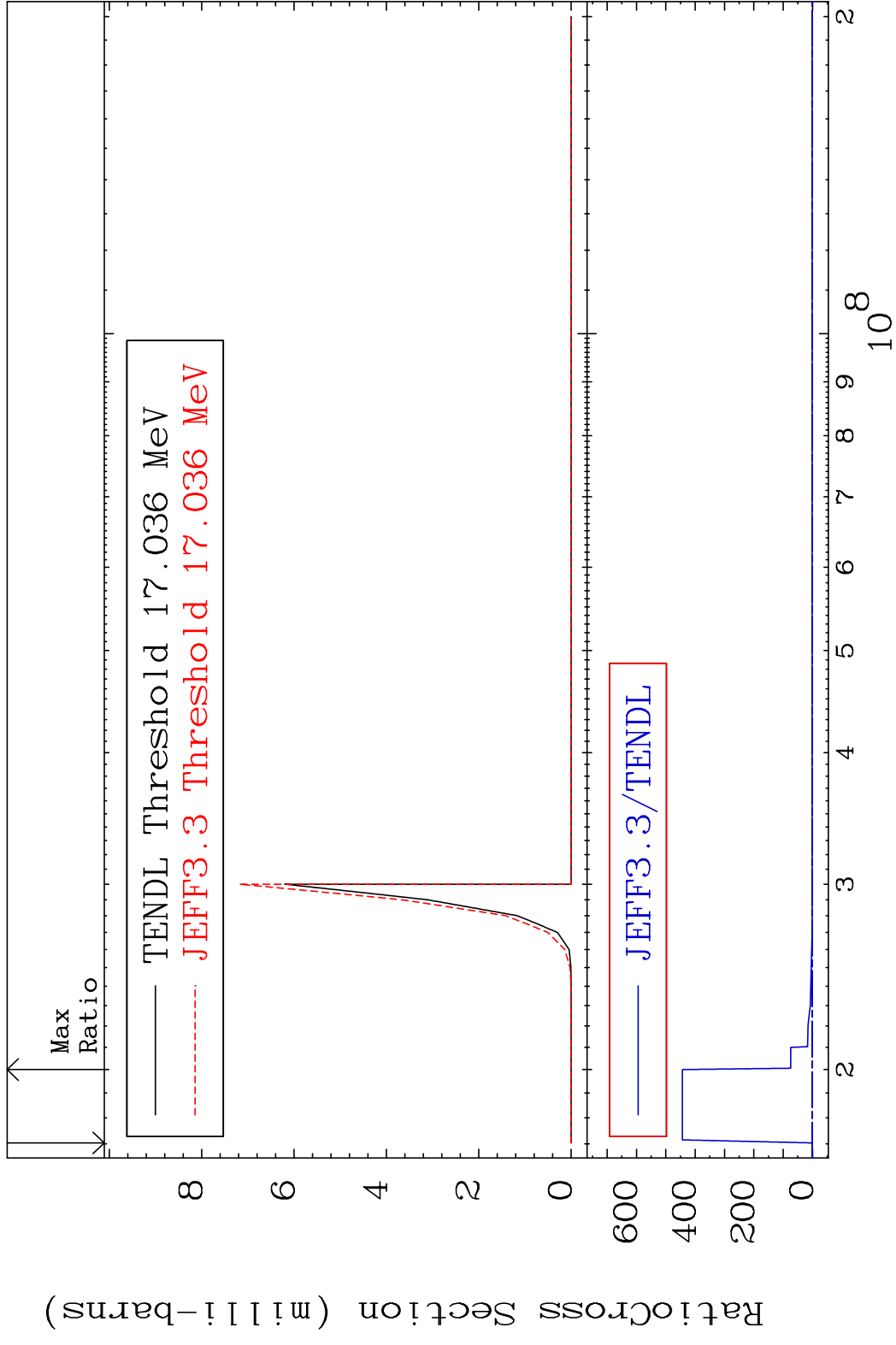


MAT 3825 (n,2n):38-Sr-83m2 38-Sr-84
 Radionuclide Production Cross Section 100.0 dth 106.5 %

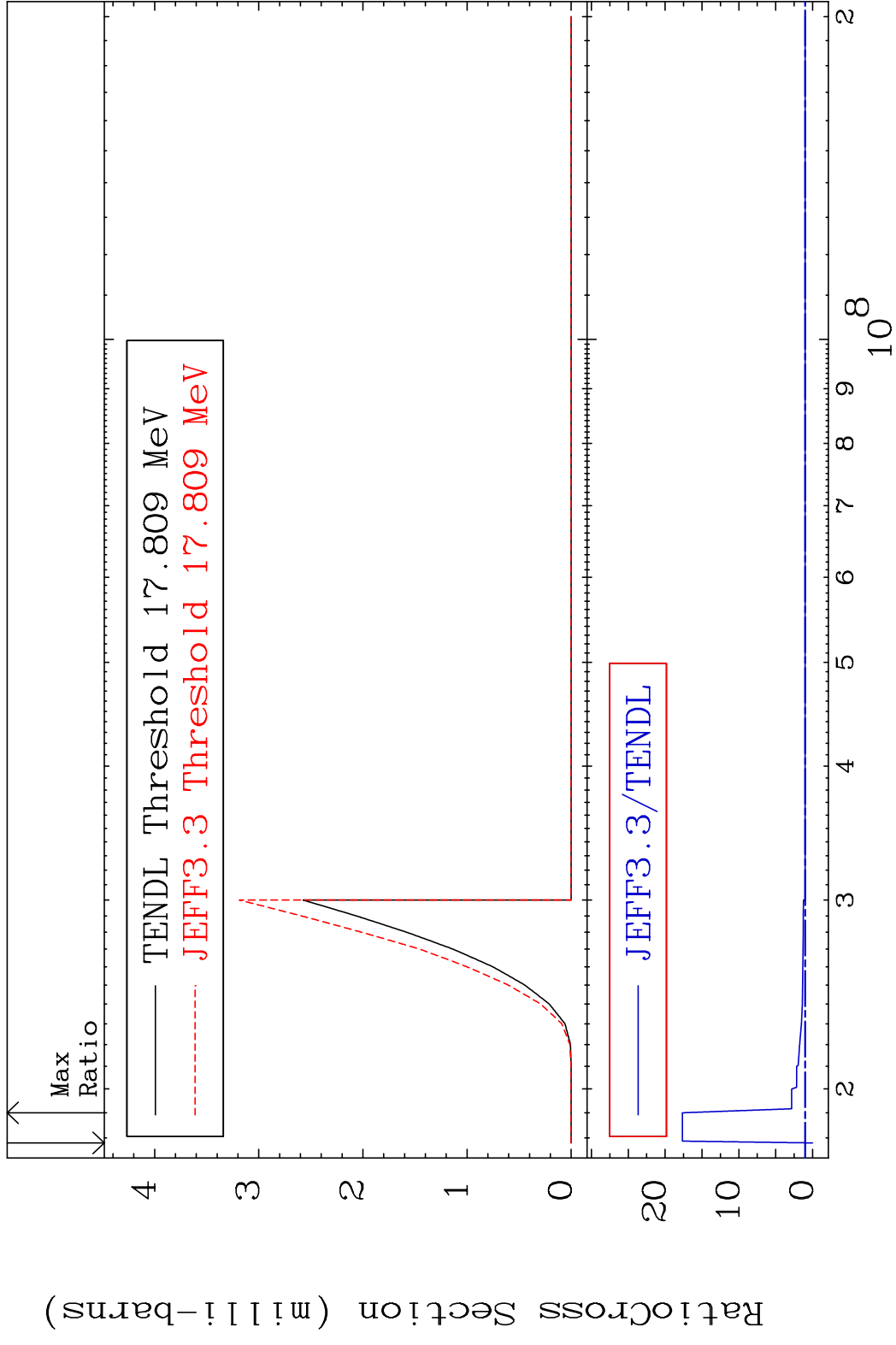




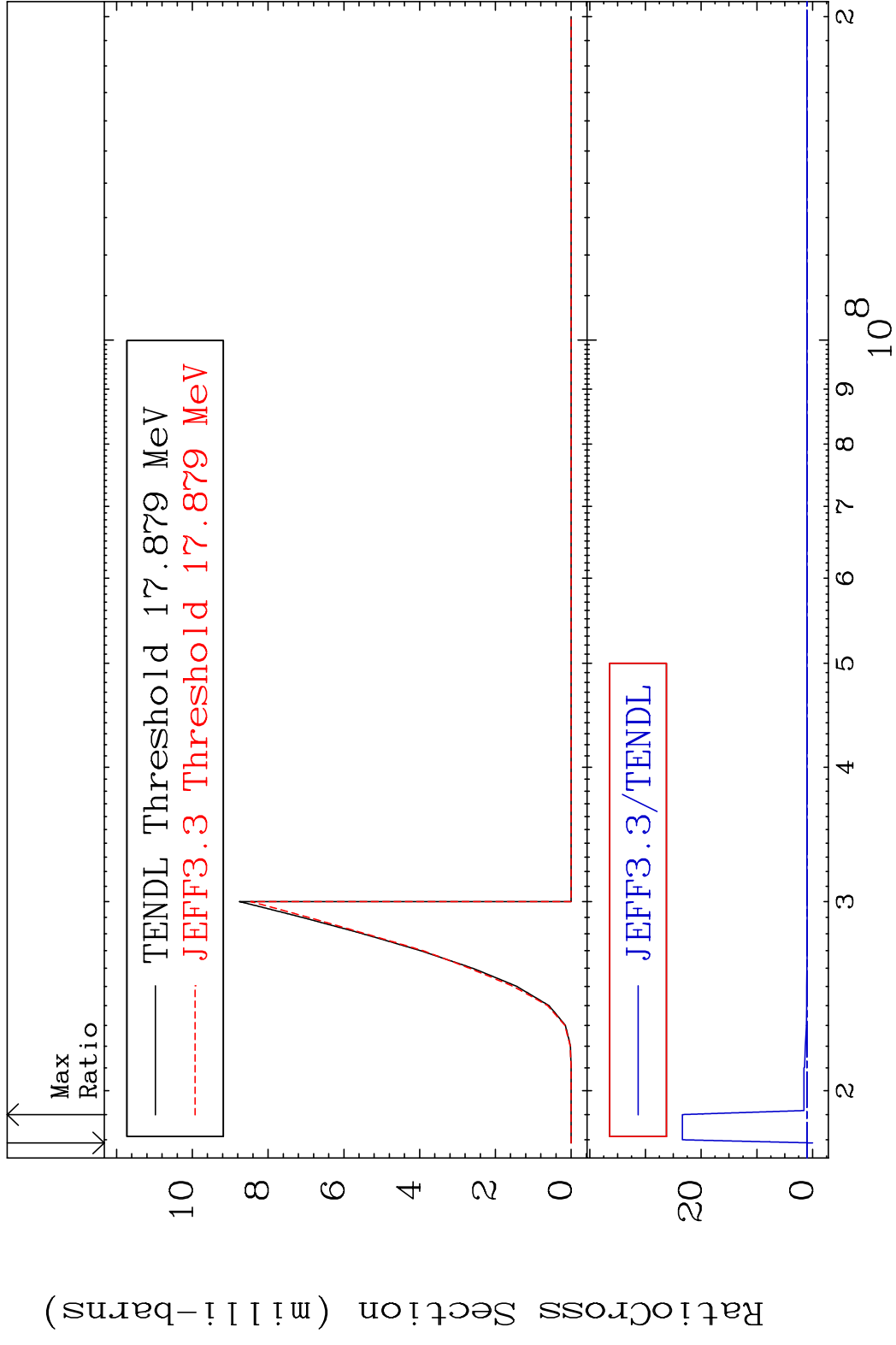
MAT 3825 (n,2n) α :36-Kr-79m1 38-Sr-84
 Radionuclide Production Cross Section Ratio



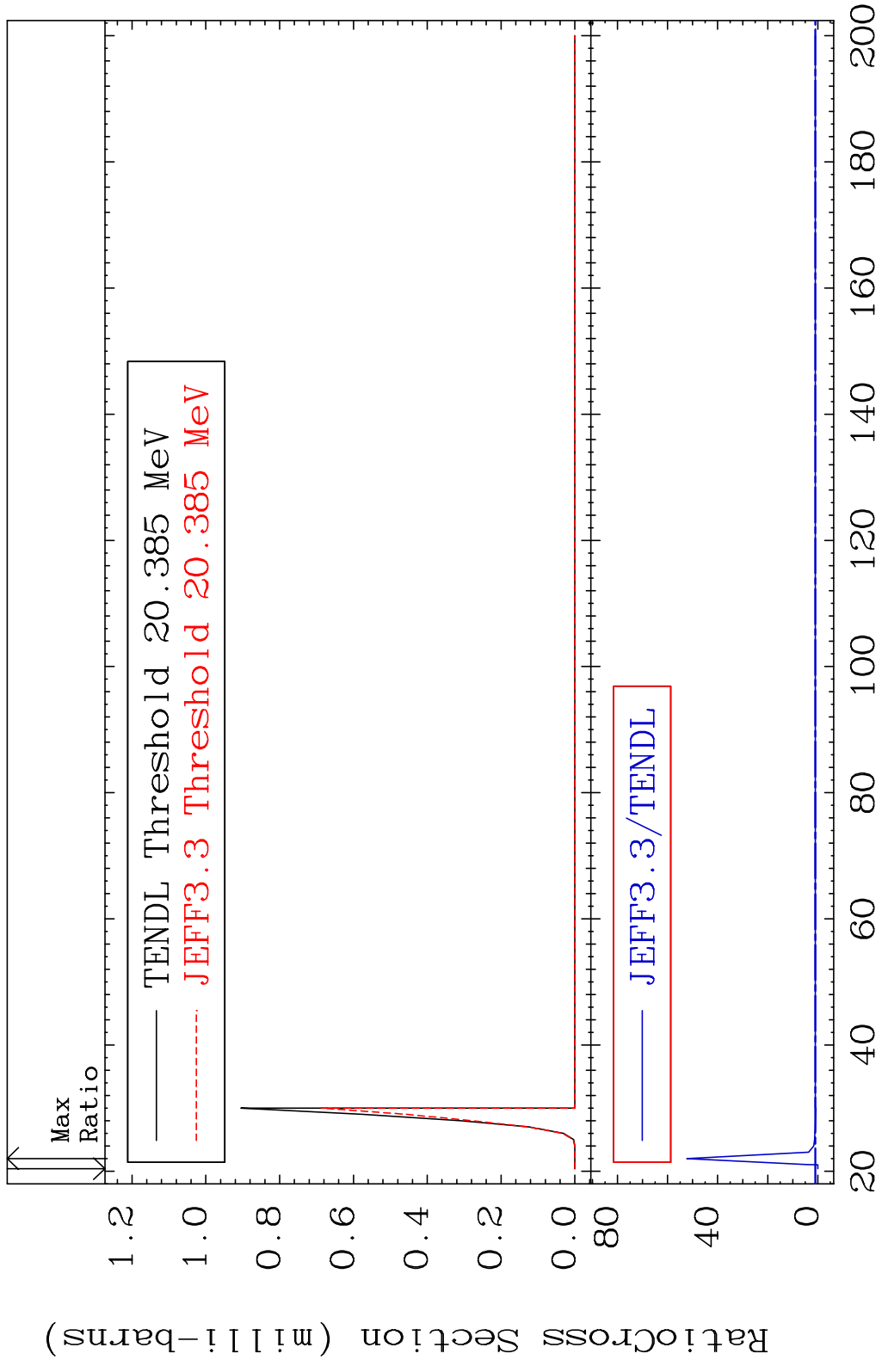
MAT 3825 (n, n') d:37-Rb-82g 38-Sr-84
 Radionuclide Production Cross Section 180.01 dno 1666. %



MAT 3825 (n, n') d:37-Rb-82m1 38-Sr-84
 Radionuclide Production Cross Section 180.01 dno 2238. %

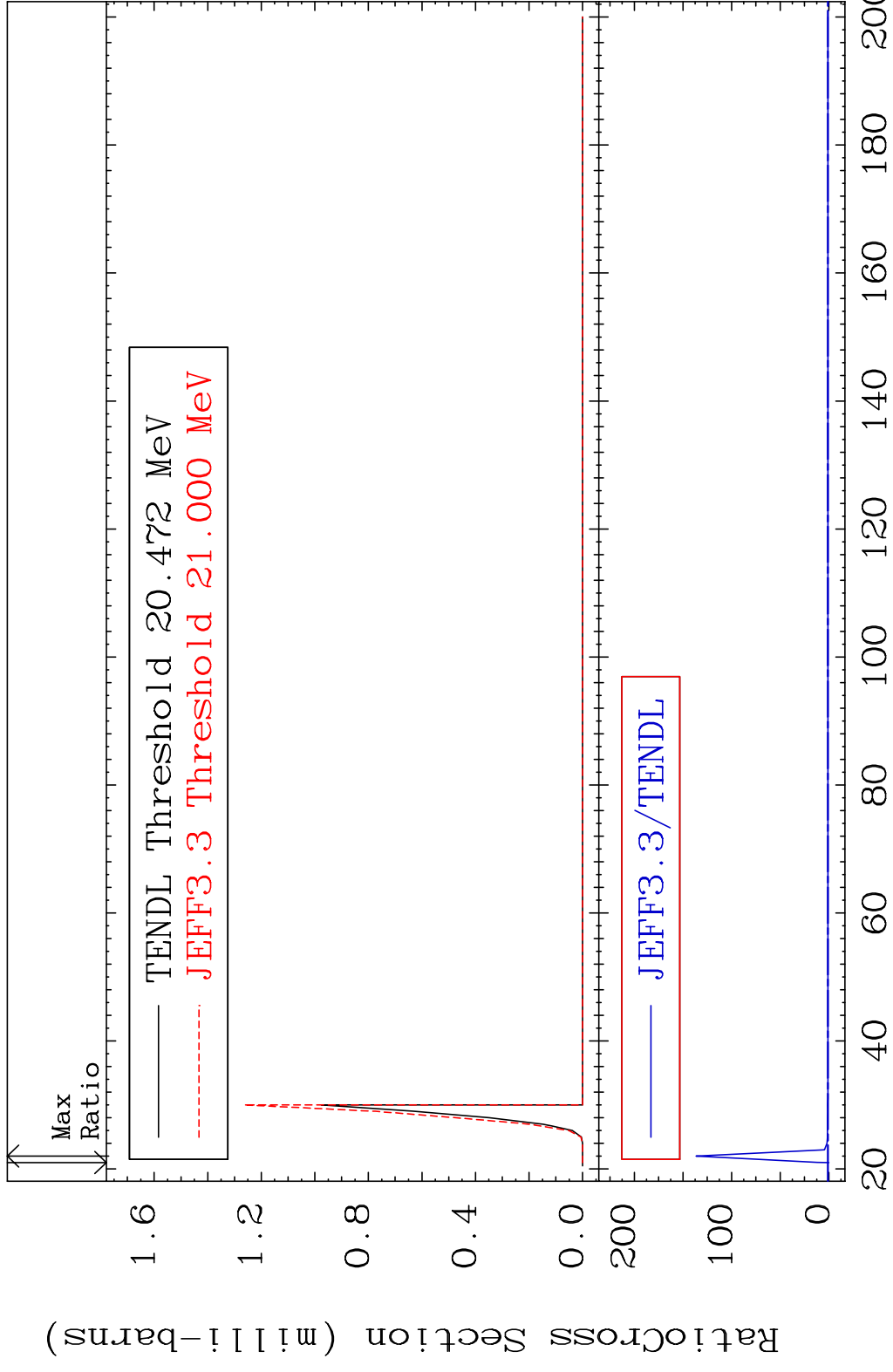


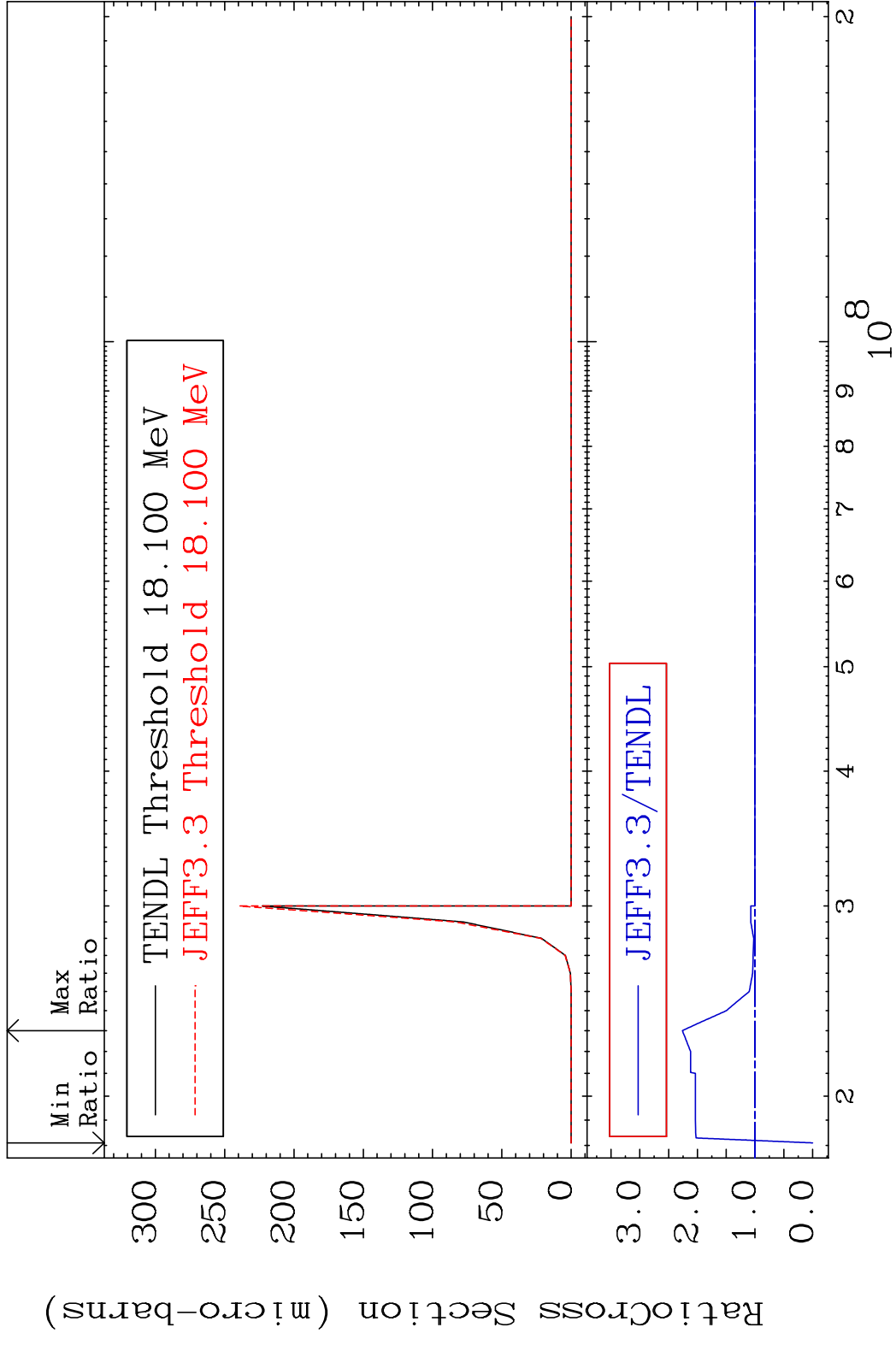
MAT 3825 (n, n') t:37-Rb-81g 38-Sr-84
 Radionuclide Production Cross Section 1800 d to 5134. %



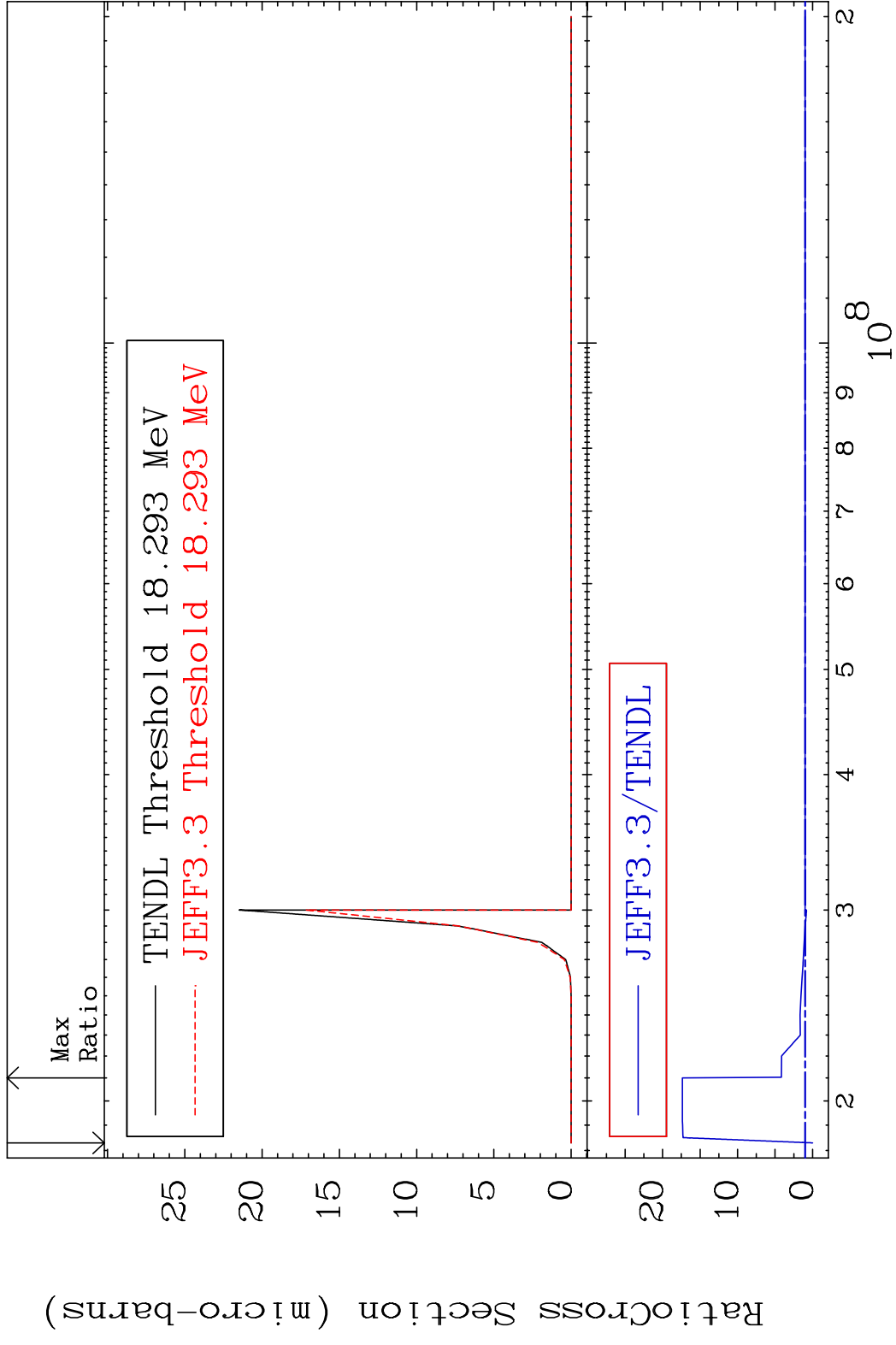
70 Incident Energy (MeV) 38-Sr-84

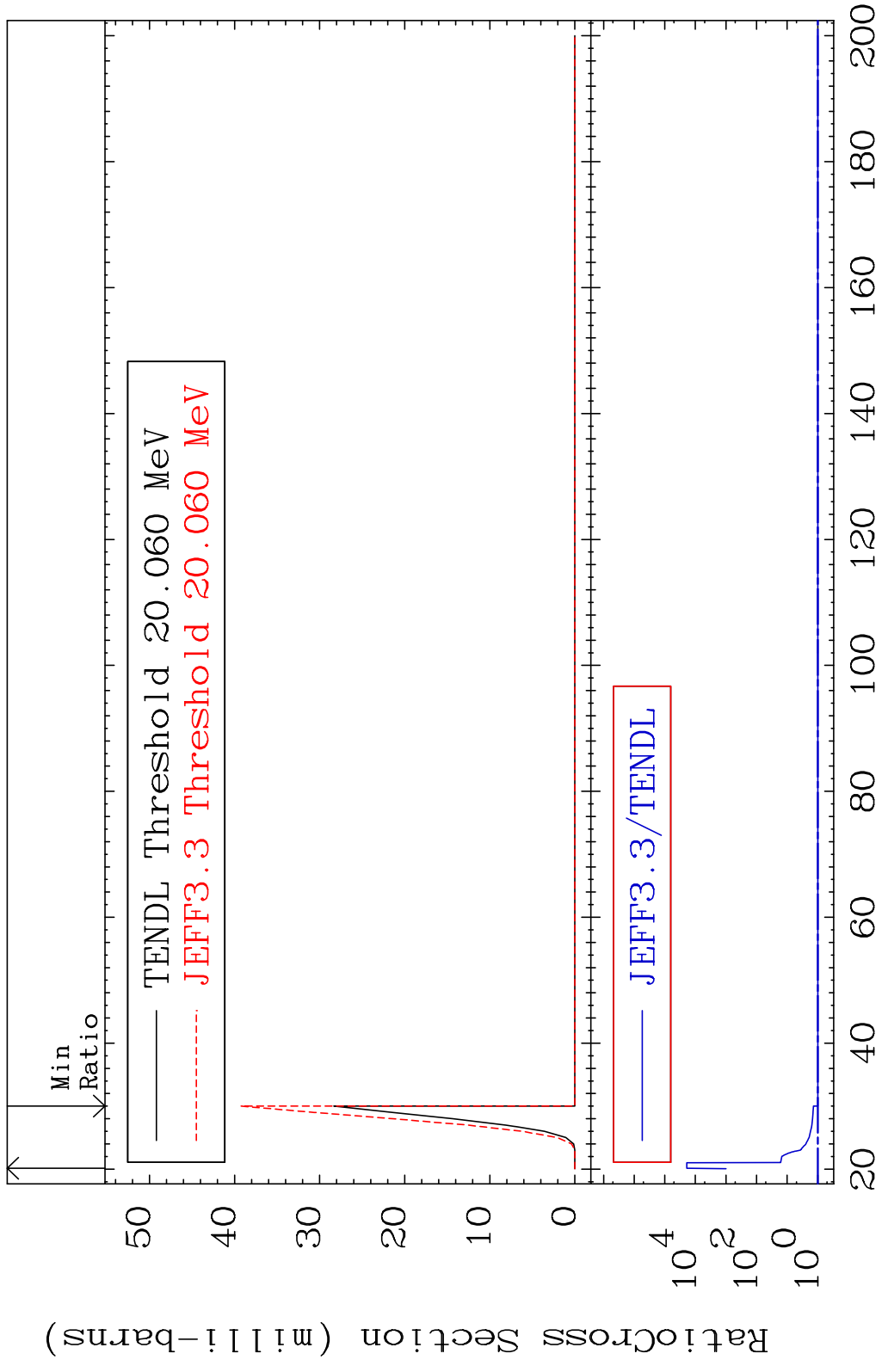
MAT 3825 (n, n') t:37-Rb-81m1 38-Sr-84
 Radionuclide Production Cross Section Ratio 9999. %

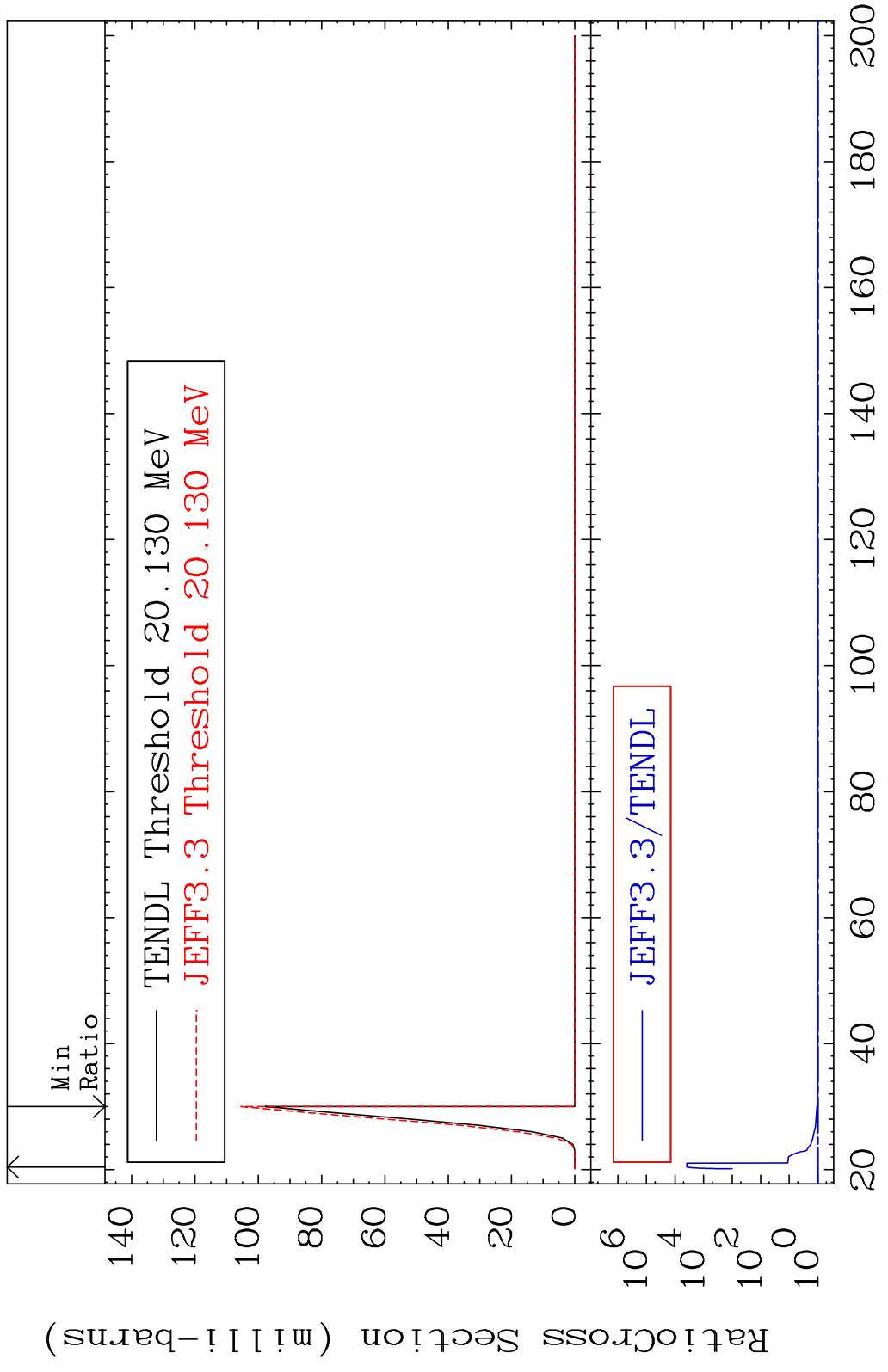


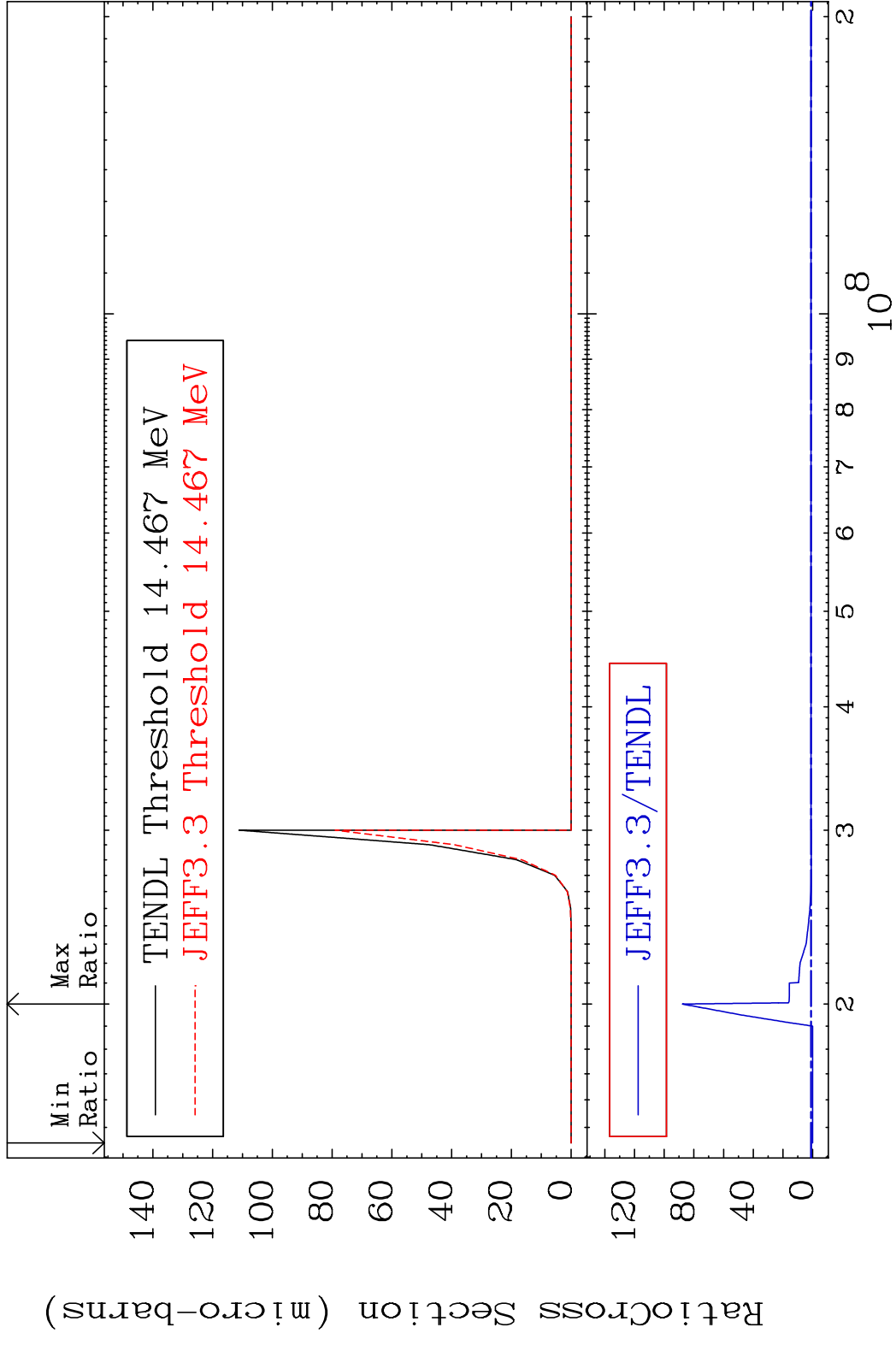


MAT 3825 (n, n') He-3:36-Kr-81m2 38-Sr-84
 Radionuclide Production Cross Section Ratio 1636. %

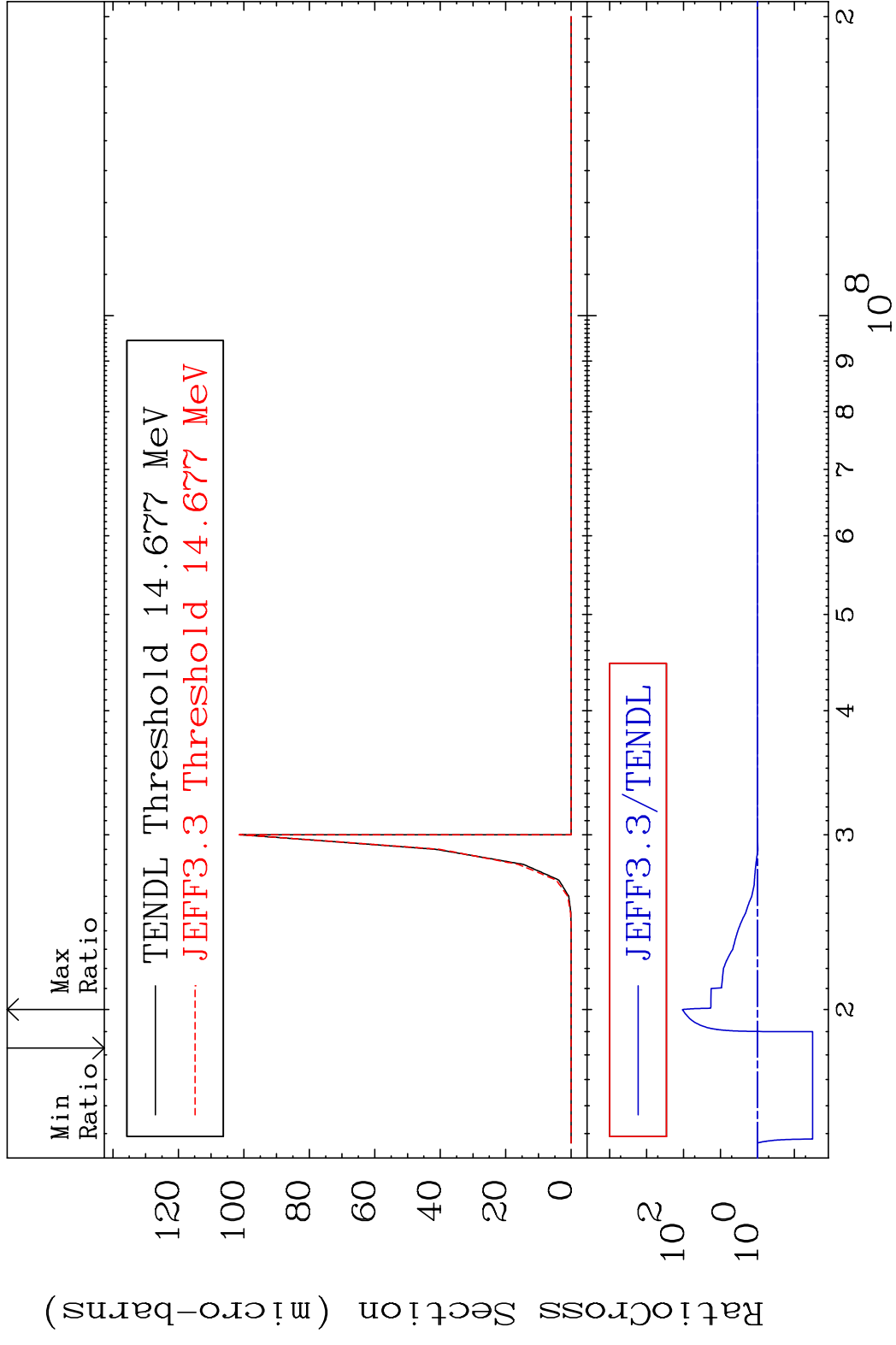




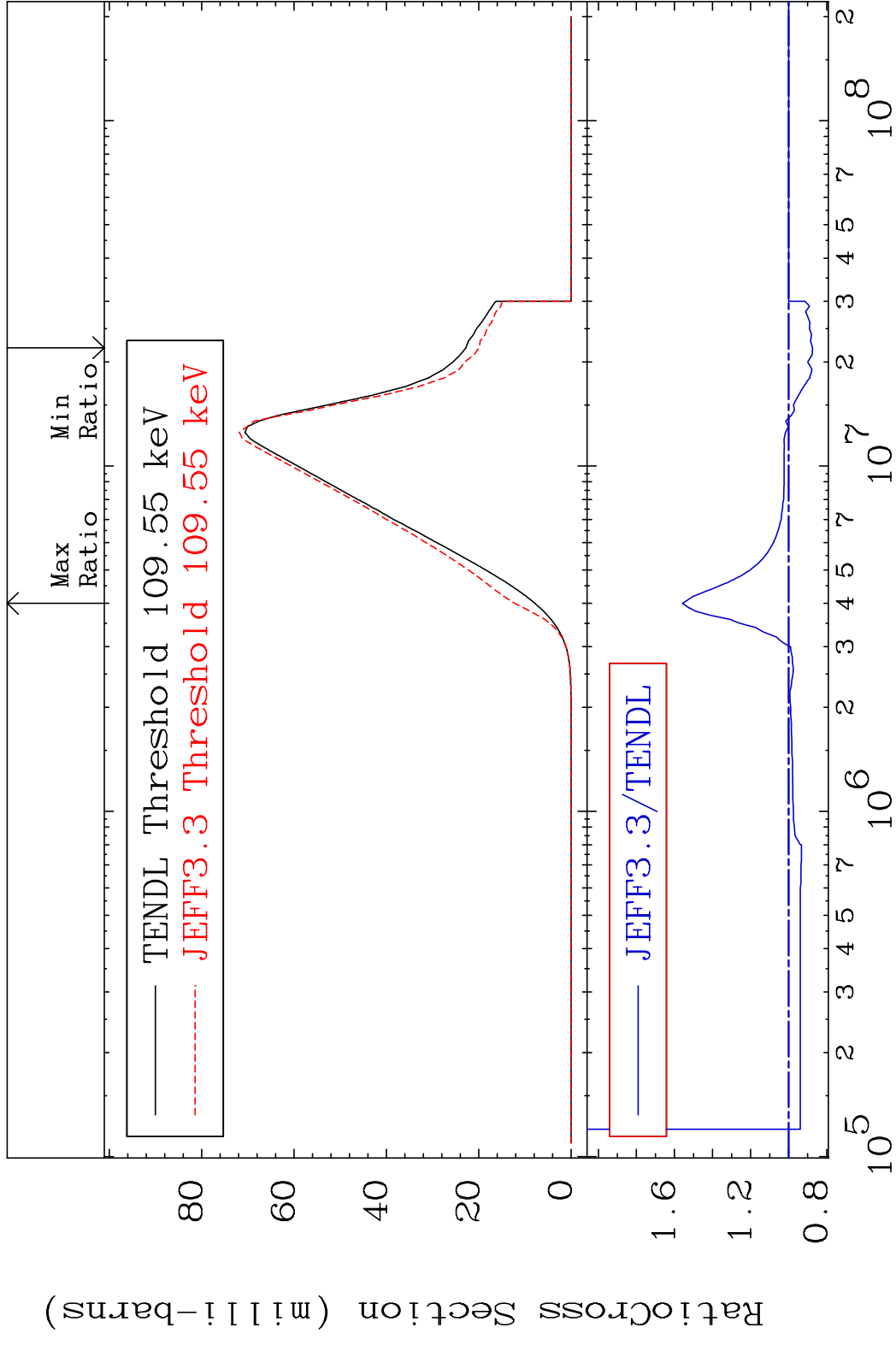




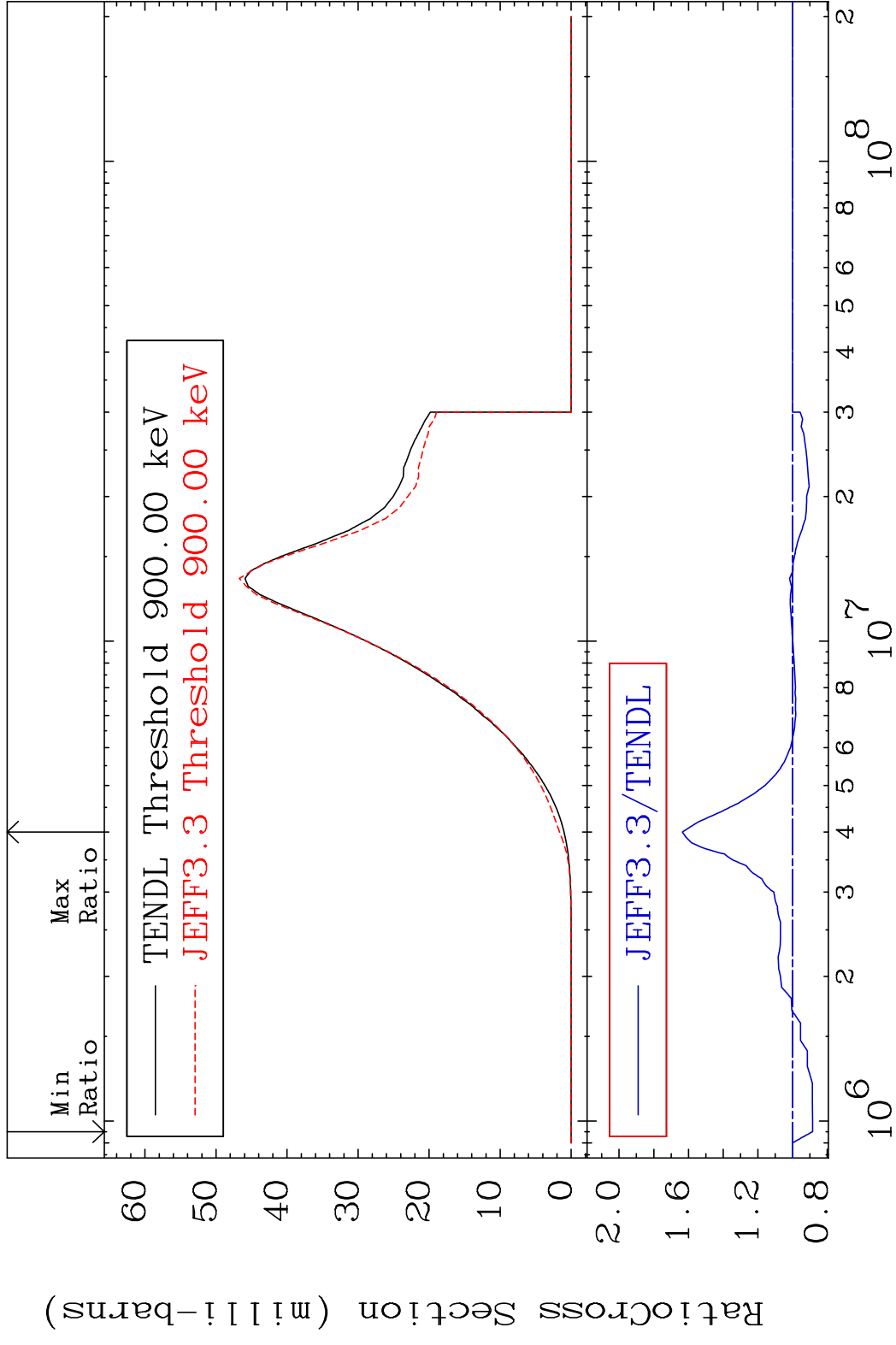
MAT 3825 (n, n') p α :35-Br-79m1 38-Sr-84
 Radionuclide Production Cross Section to 9999. %



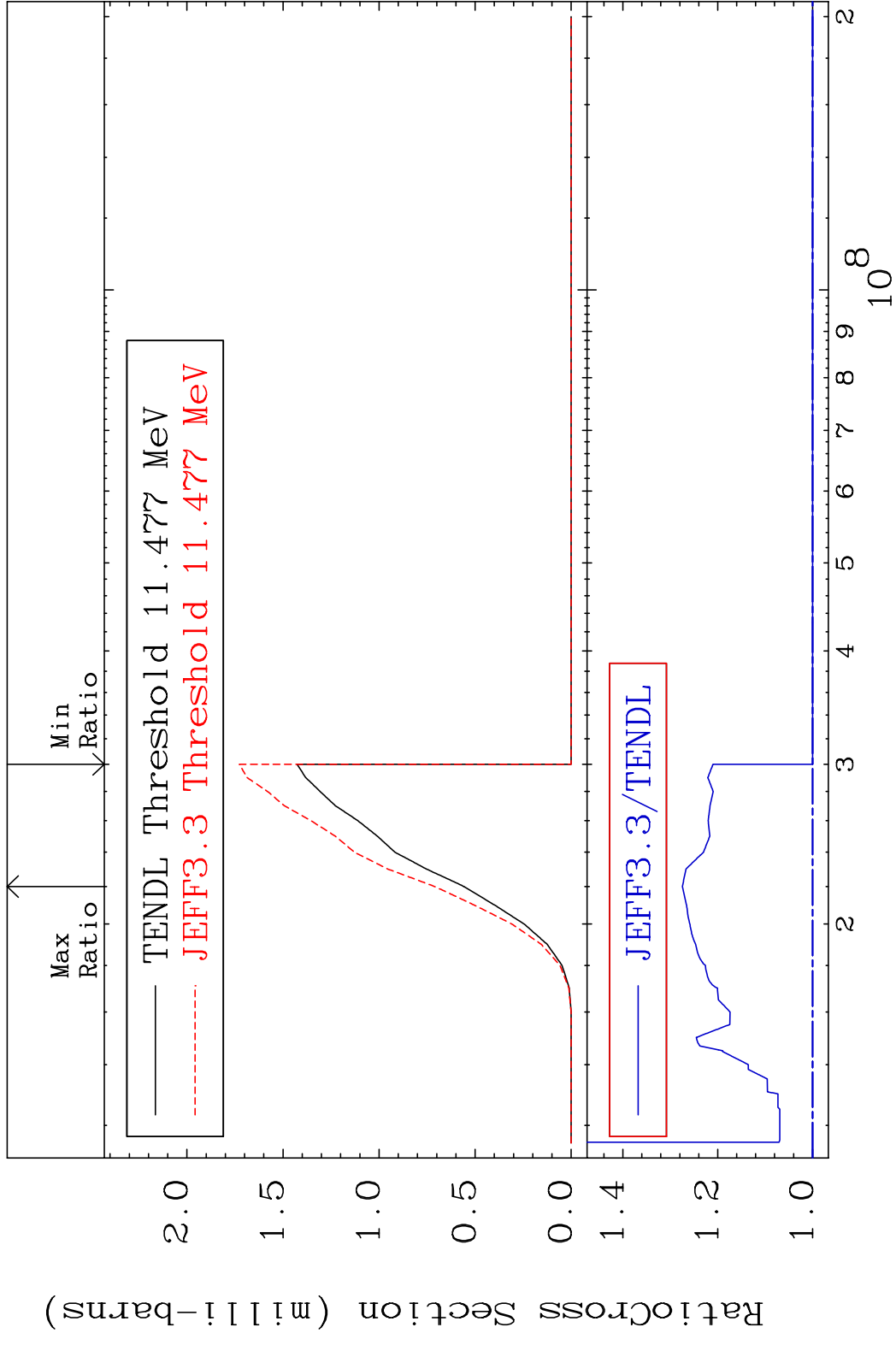
MAT 3825 (n, p): 37-Rb-84g 38-Sr-84
 Radionuclide Production Cross Section 55.87 %



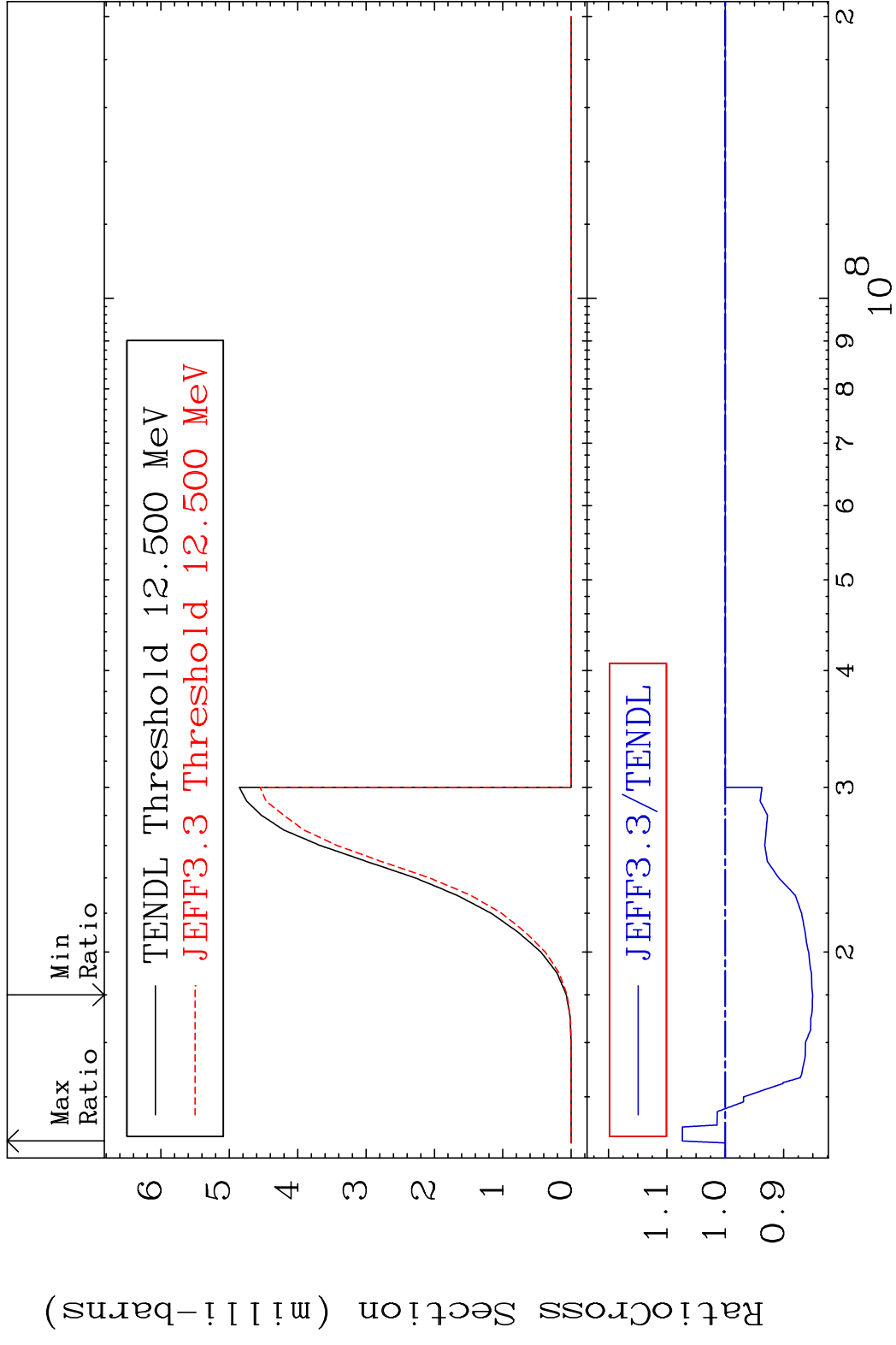
78 Incident Energy (eV) 38-Sr-84

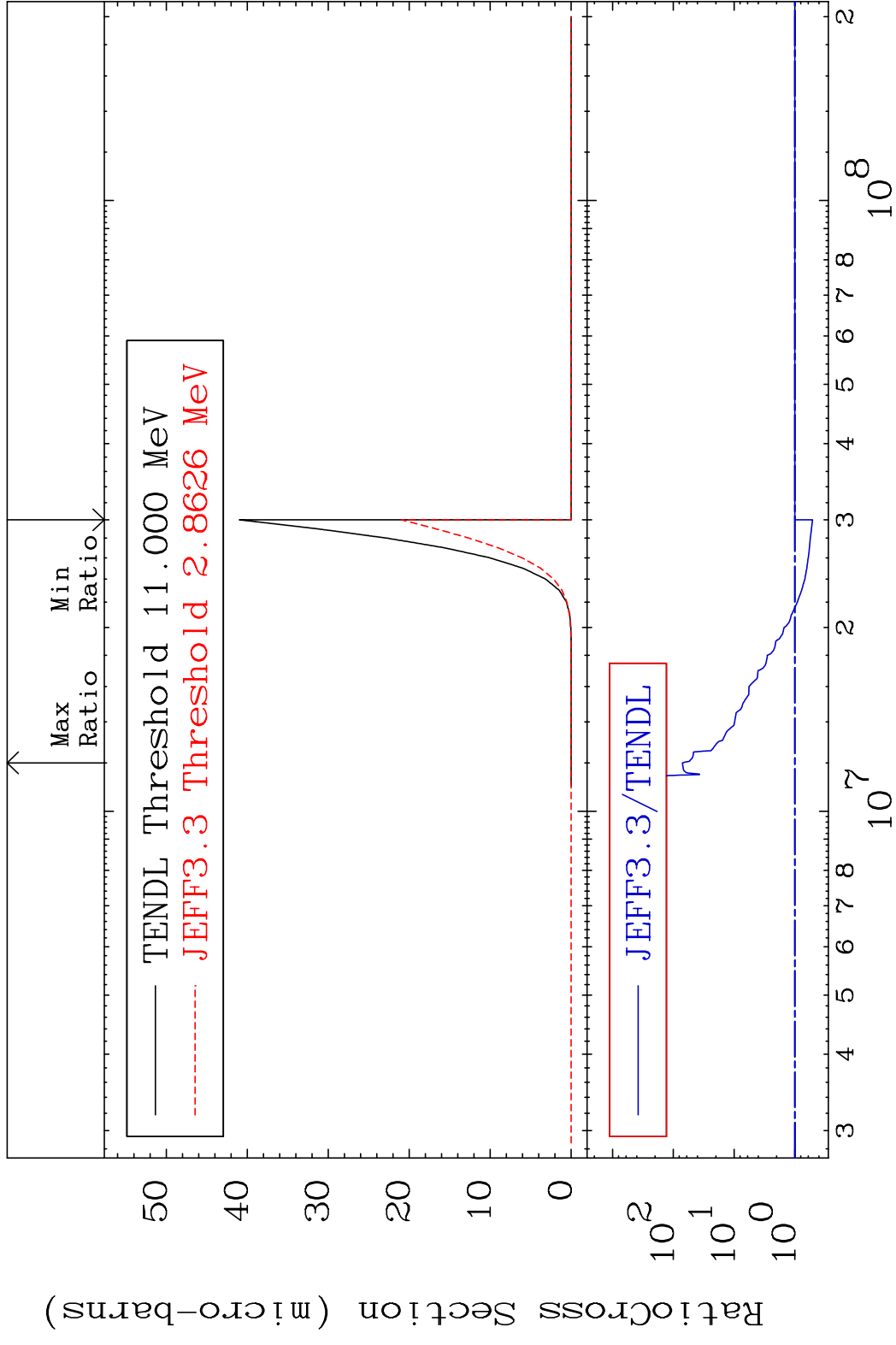


MAT 3825 (n, t):37-Rb-82g 38-Sr-84
 Radionuclide Production Cross Section 27.46 %

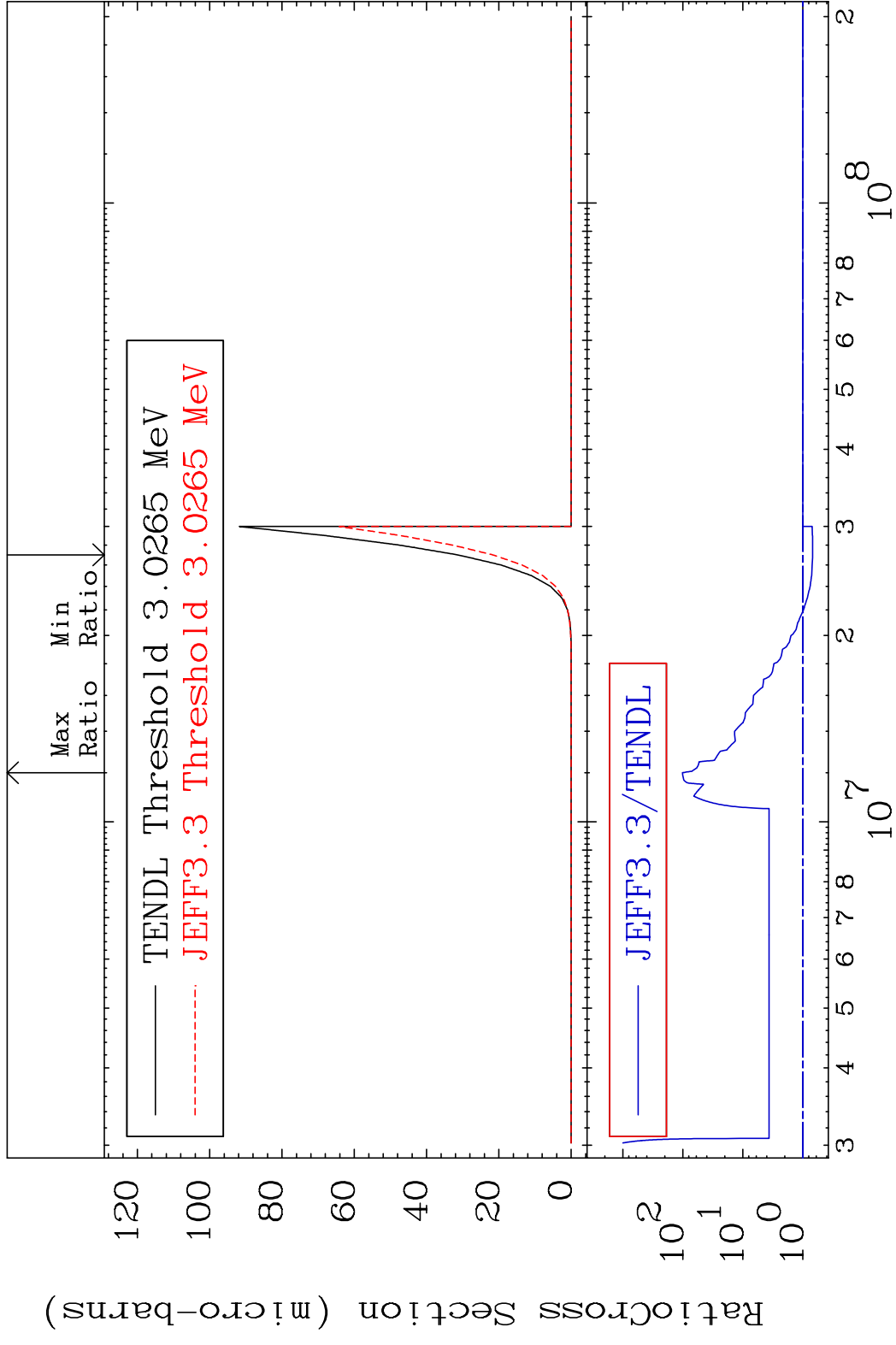


MAT 3825 (n, t):37-Rb-82m1 38-Sr-84
 Radionuclide Production Cross Section 1 Second 7.342 %

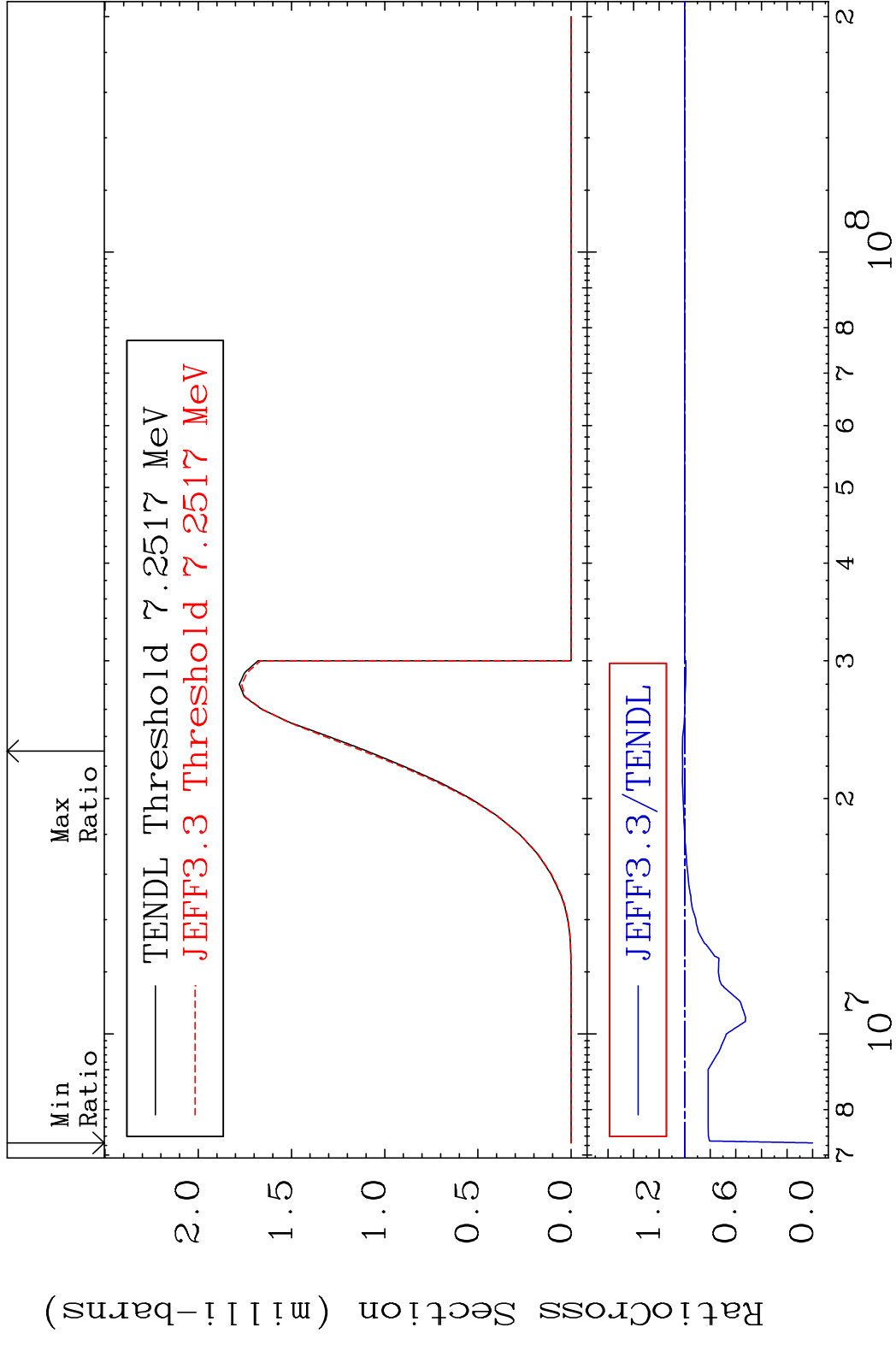




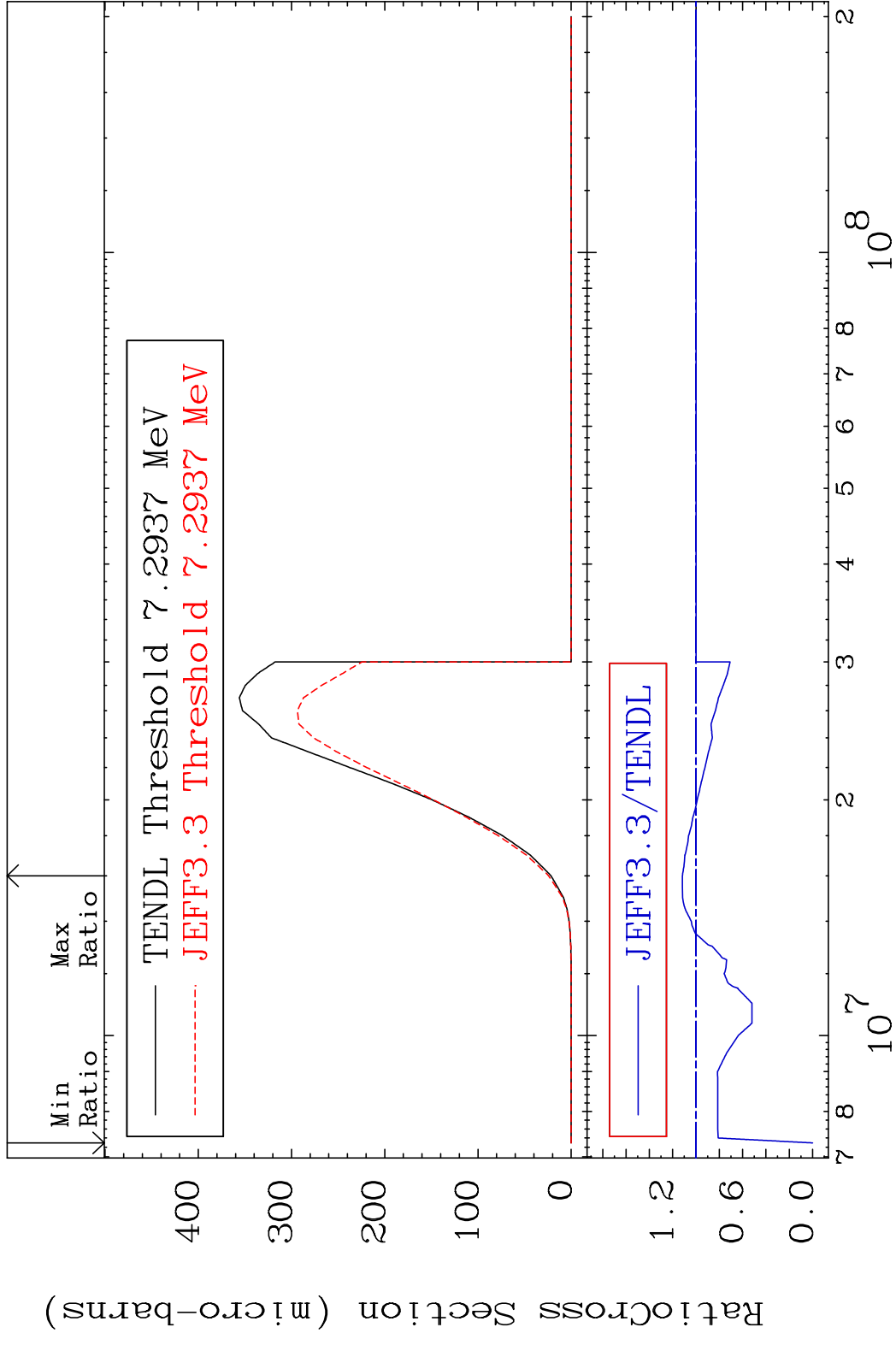
MAT 3825 (n,2α):34-Se-77m1 38-Sr-84
 Radionuclide Production Cross Section to 9999. %

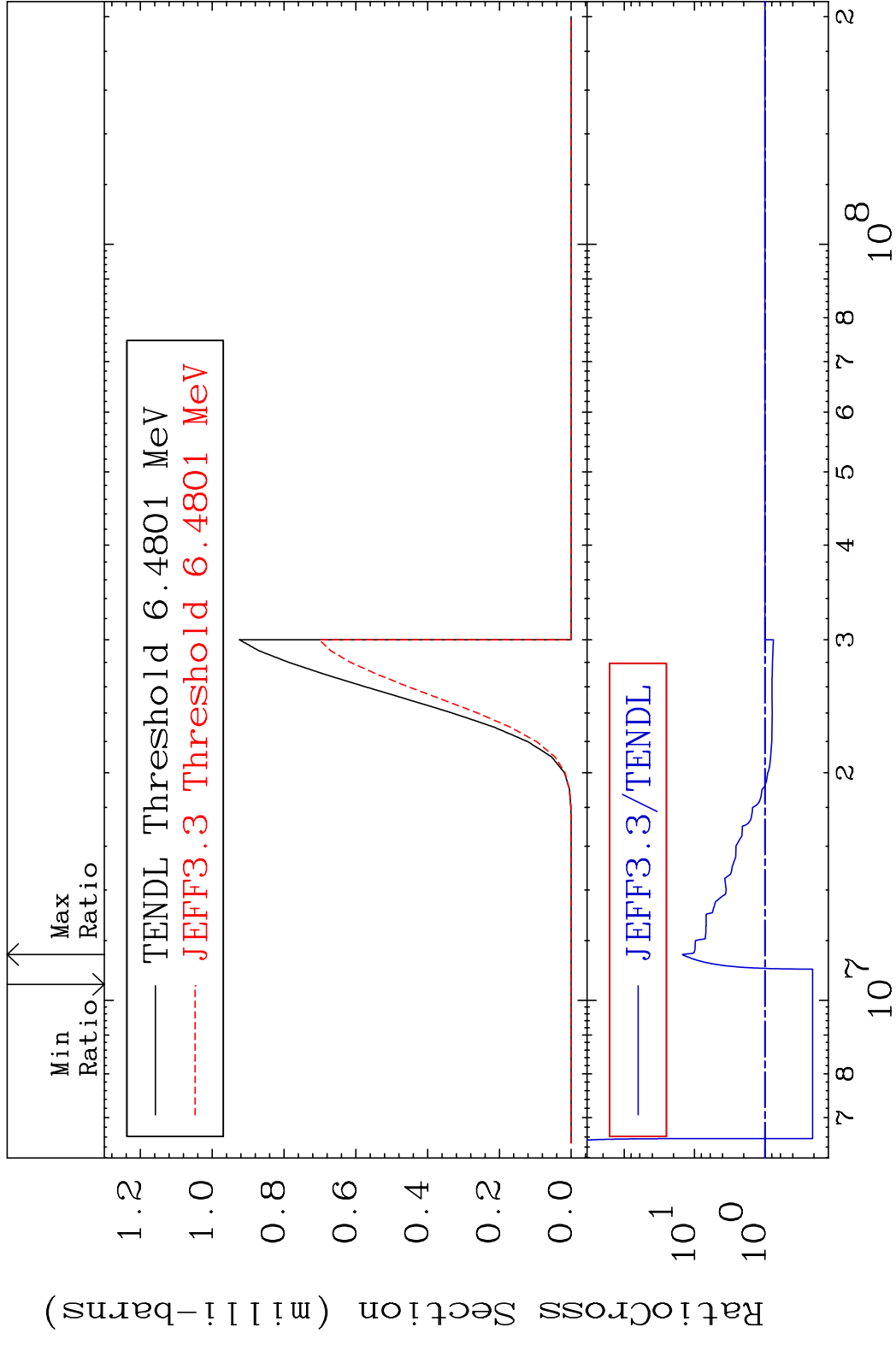


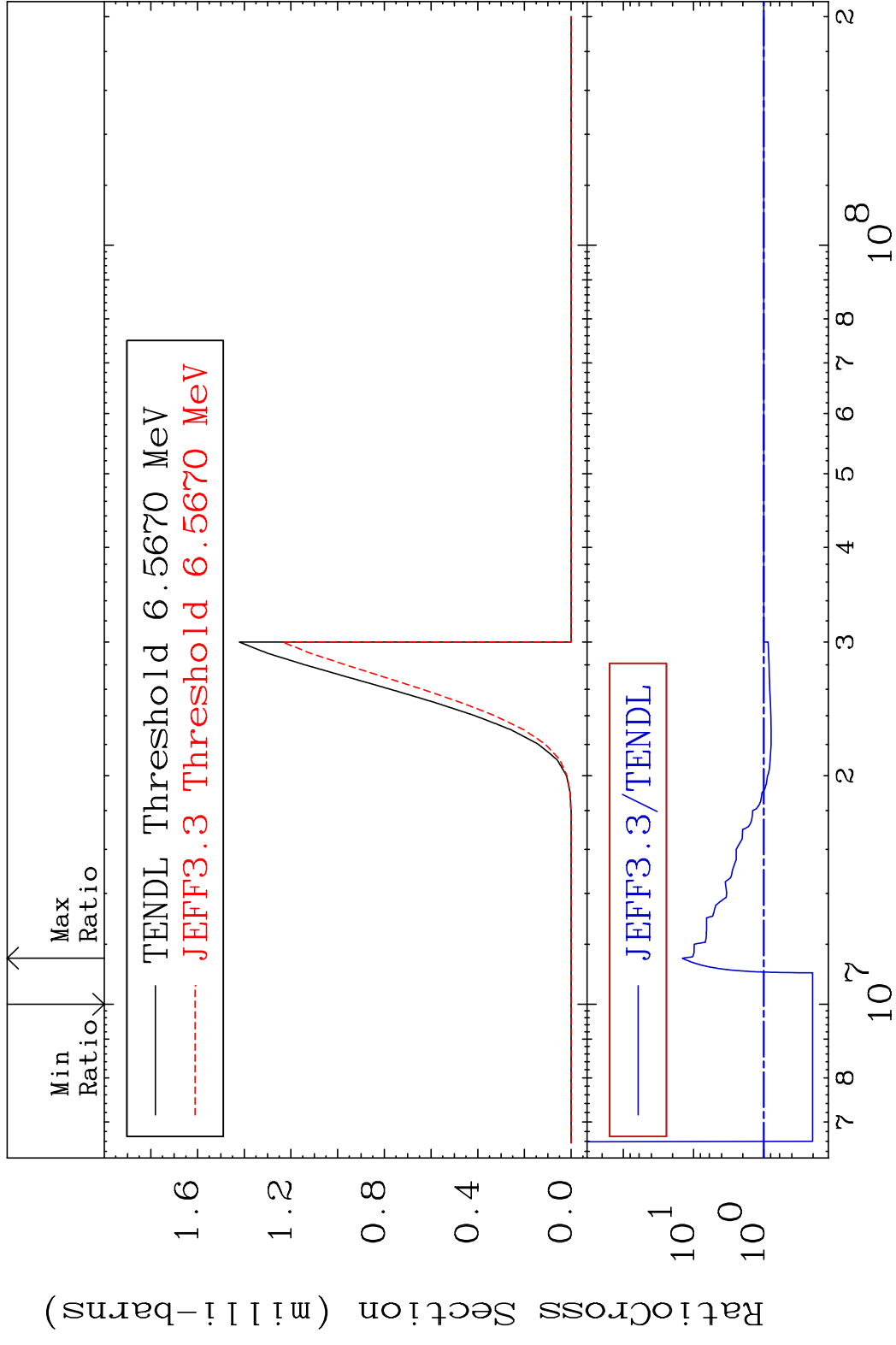
MAT 3825 (n,2p):36-Kr-83g 38-Sr-84
 Radionuclide Production Cross Section 1.855 %



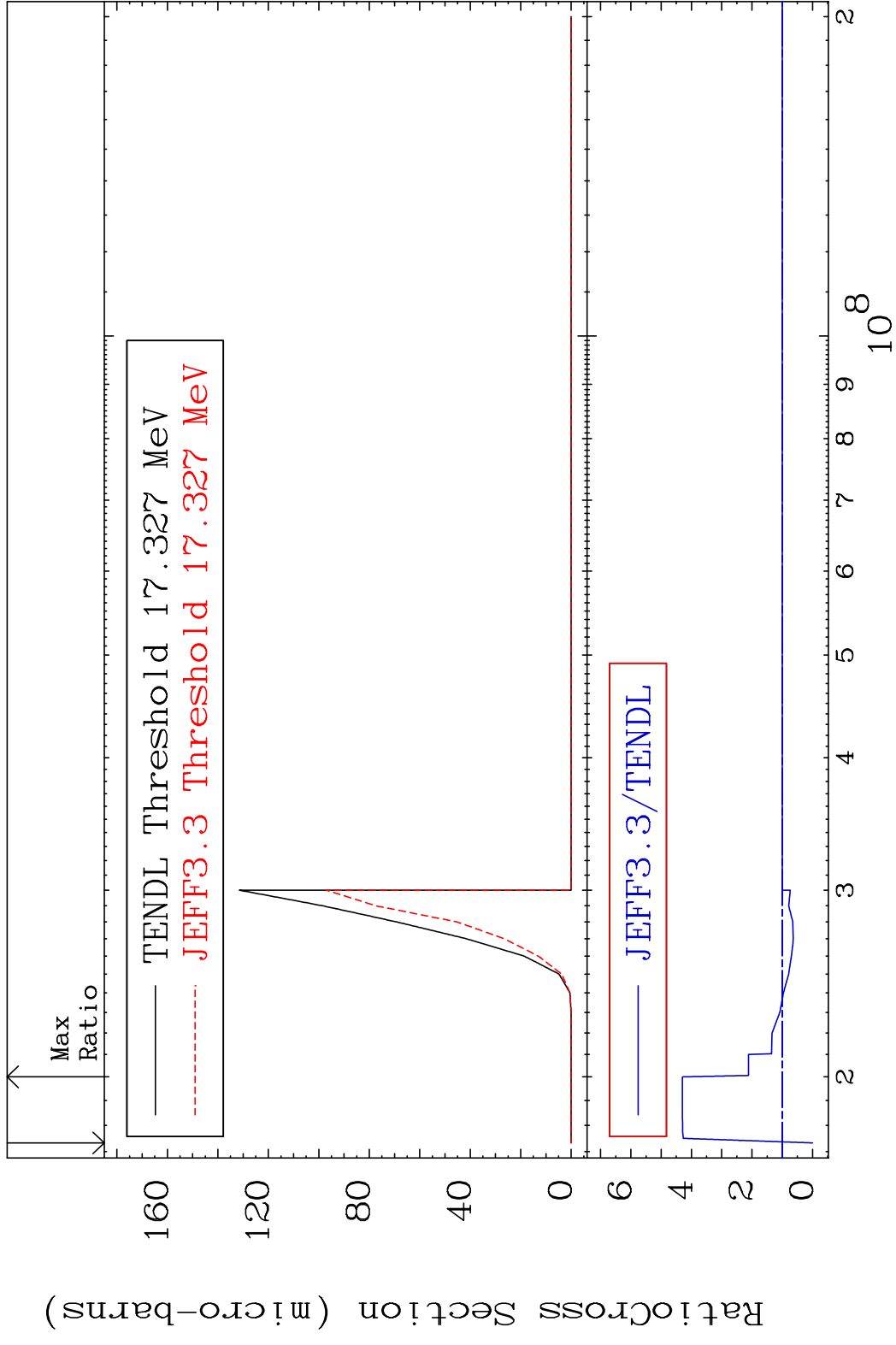
MAT 3825 (n,2p):36-Kr-83m2 38-Sr-84
 Radionuclide Production Cross Section 180.01 dth 11.67 %

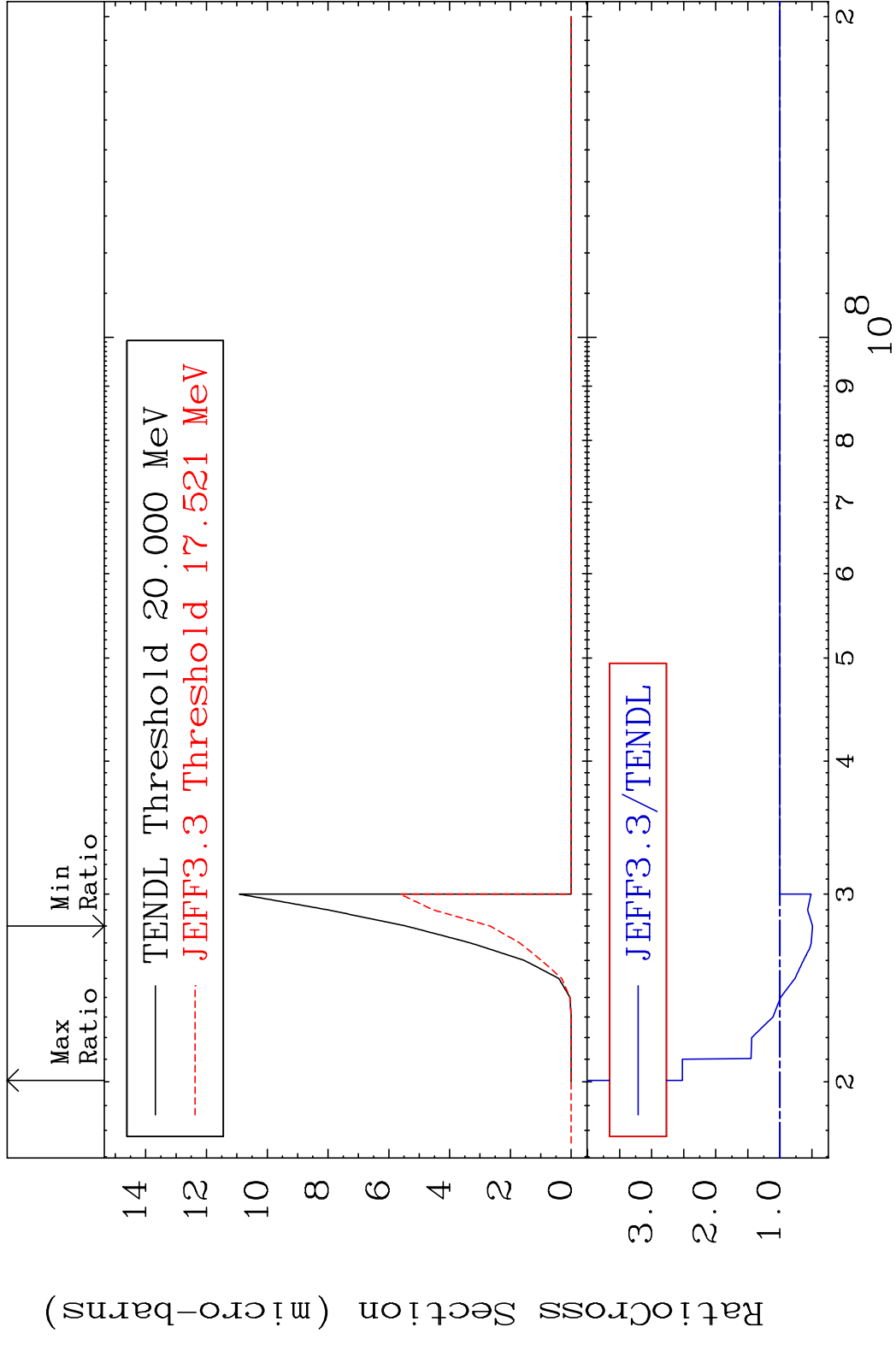






MAT 3825 (n, p) t:36-Kr-81g 38-Sr-84
 Radionuclide Production Cross Section 180.0 dth 330.0 %





MAT 3825 (n, d) α :35-Br-79g 38-Sr-84
 Radionuclide Production Cross Section 1170. %

