

Program Complot
(Version 2021-1)

by

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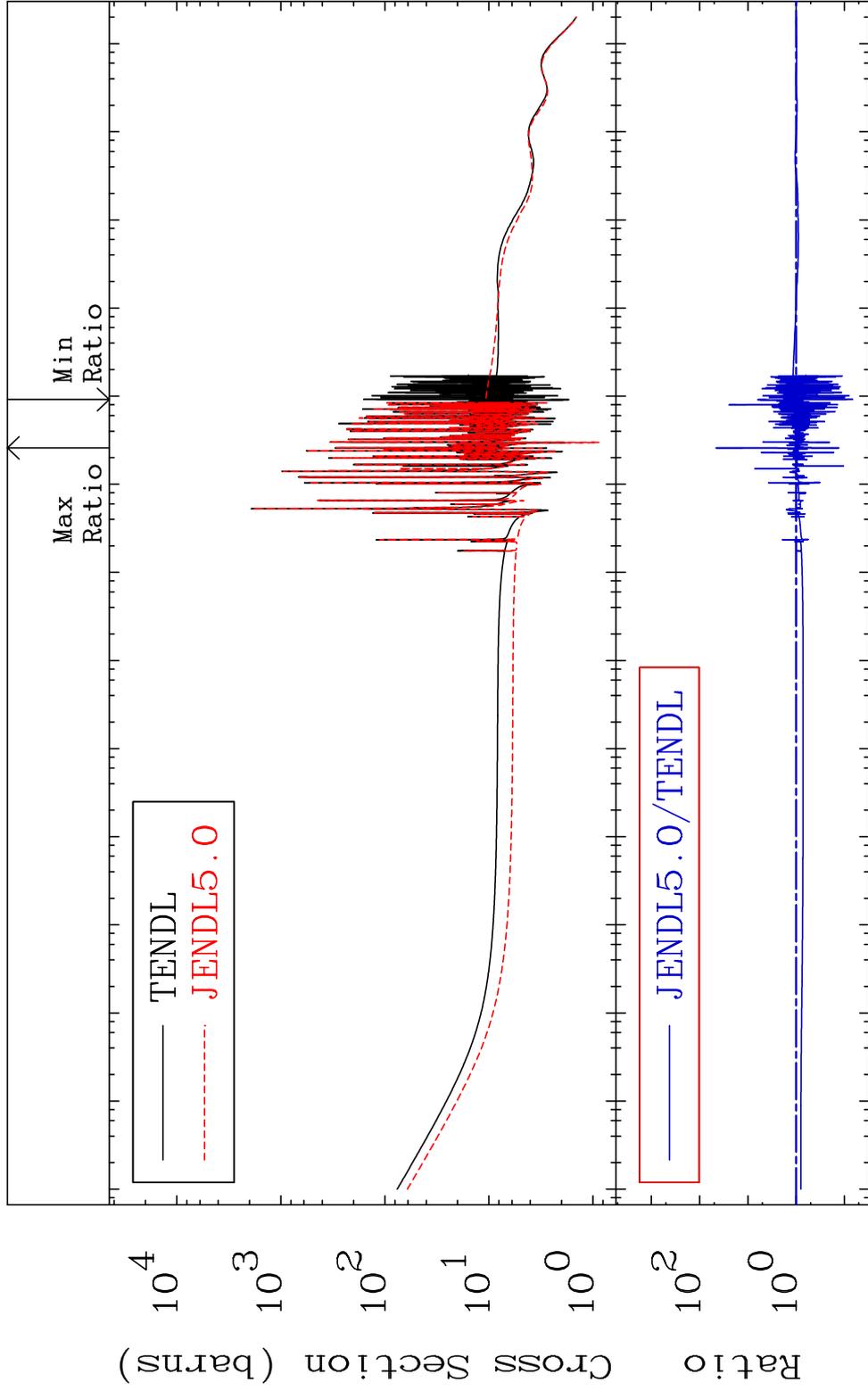
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3725

Total Cross Section -93.22 To 4502. %

37-Rb-85



1

Incident Energy (eV)

37-Rb-85

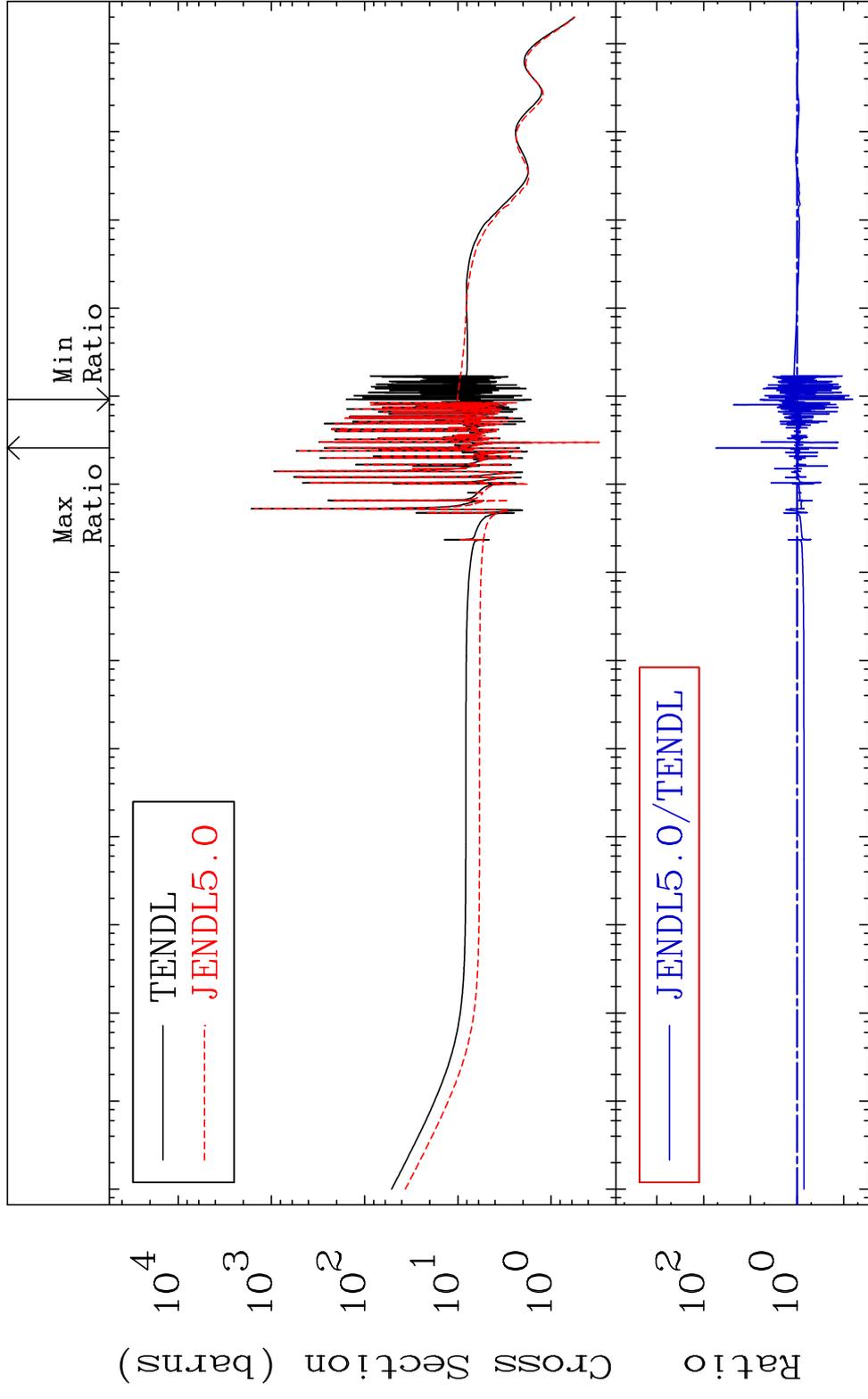
MAT 3725

Elastic

37-Rb-85

Cross Section

-93.51 To 5360. %



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

2

Incident Energy (eV)

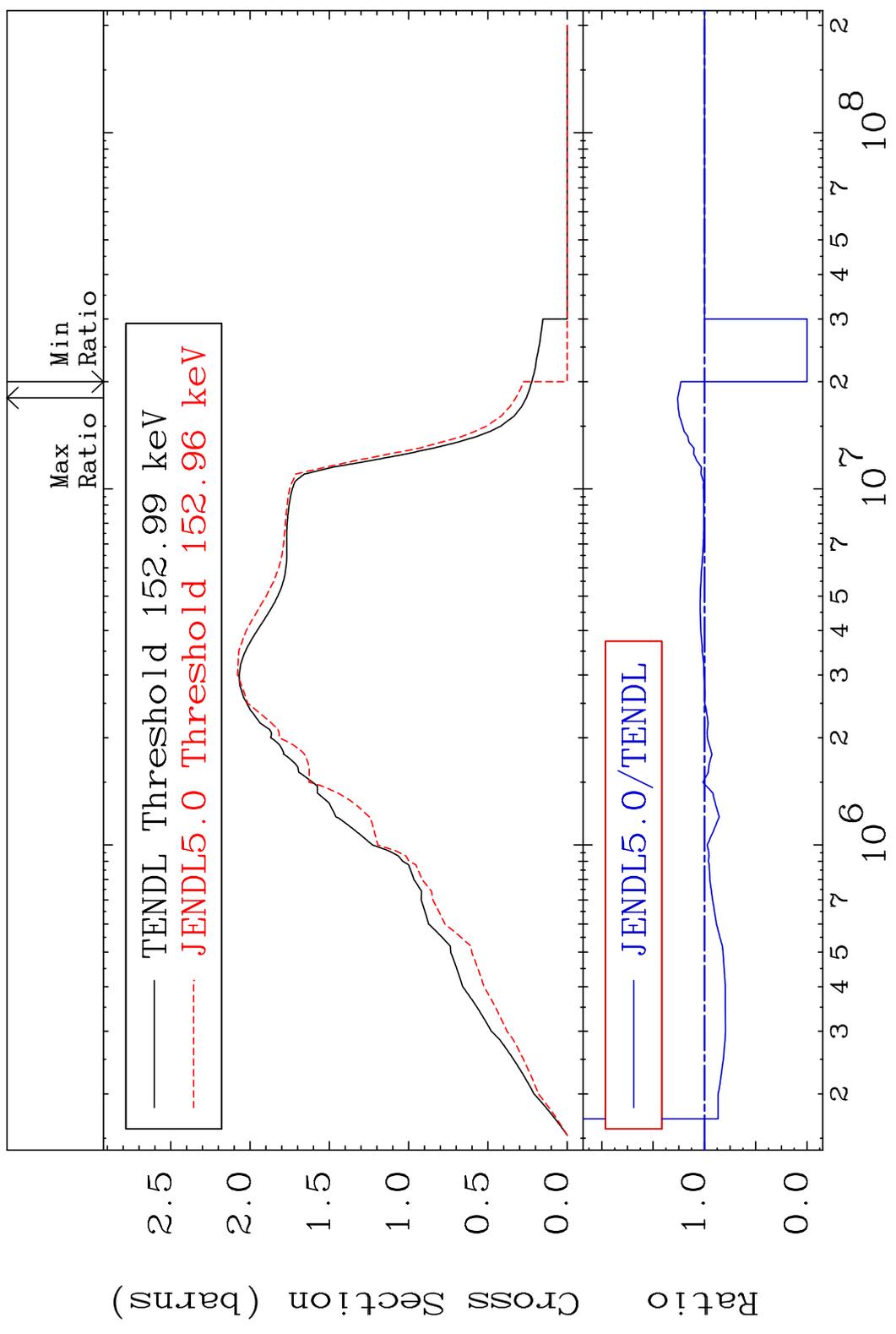
37-Rb-85

MAT 3725

Inelastic

37-Rb-85

Cross Section -100.0 To 26.05 %

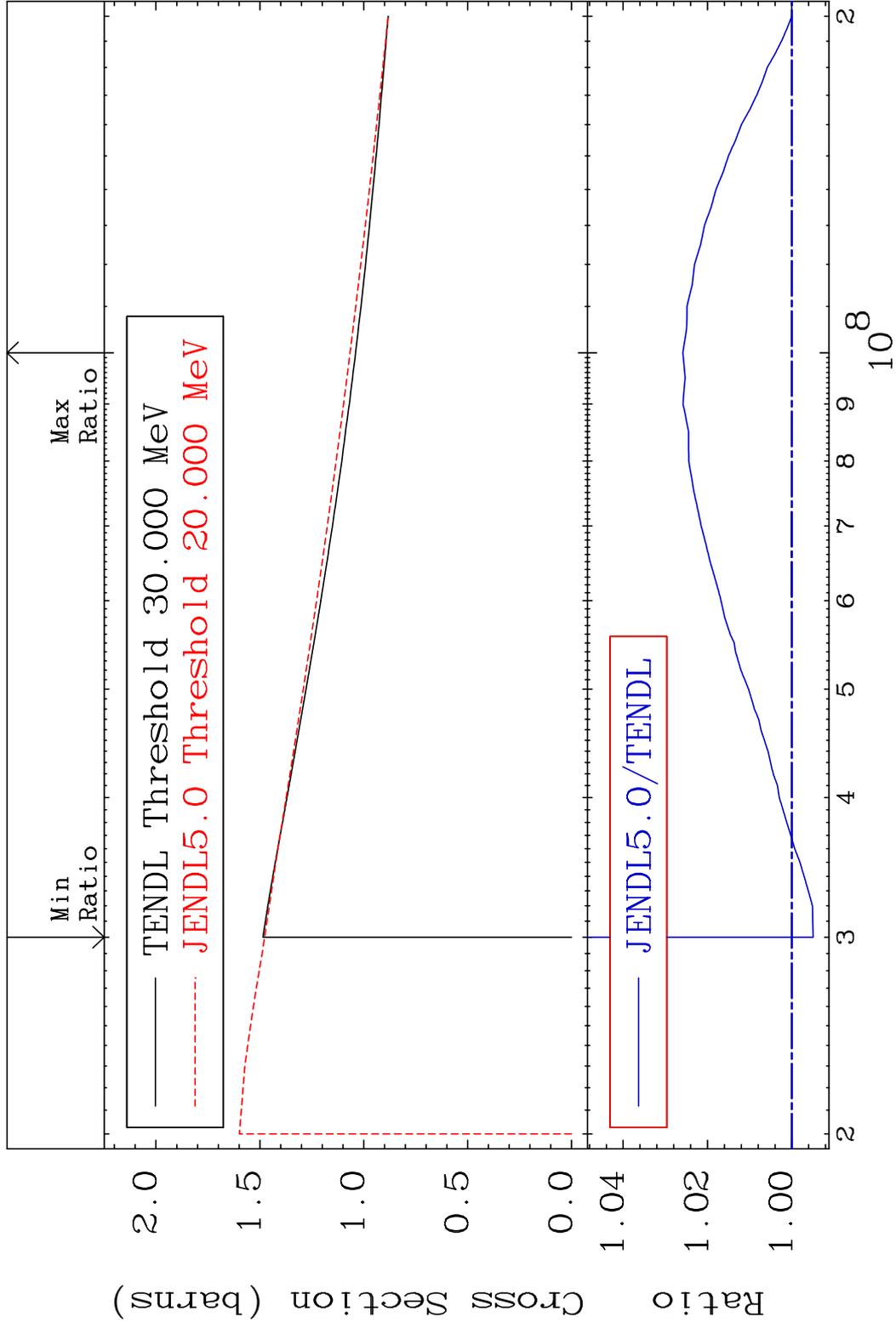


MAT 3725

(n, remainder)

37-Rb-85

Cross Section -0.505 To 2.585 %



4

Incident Energy (eV)

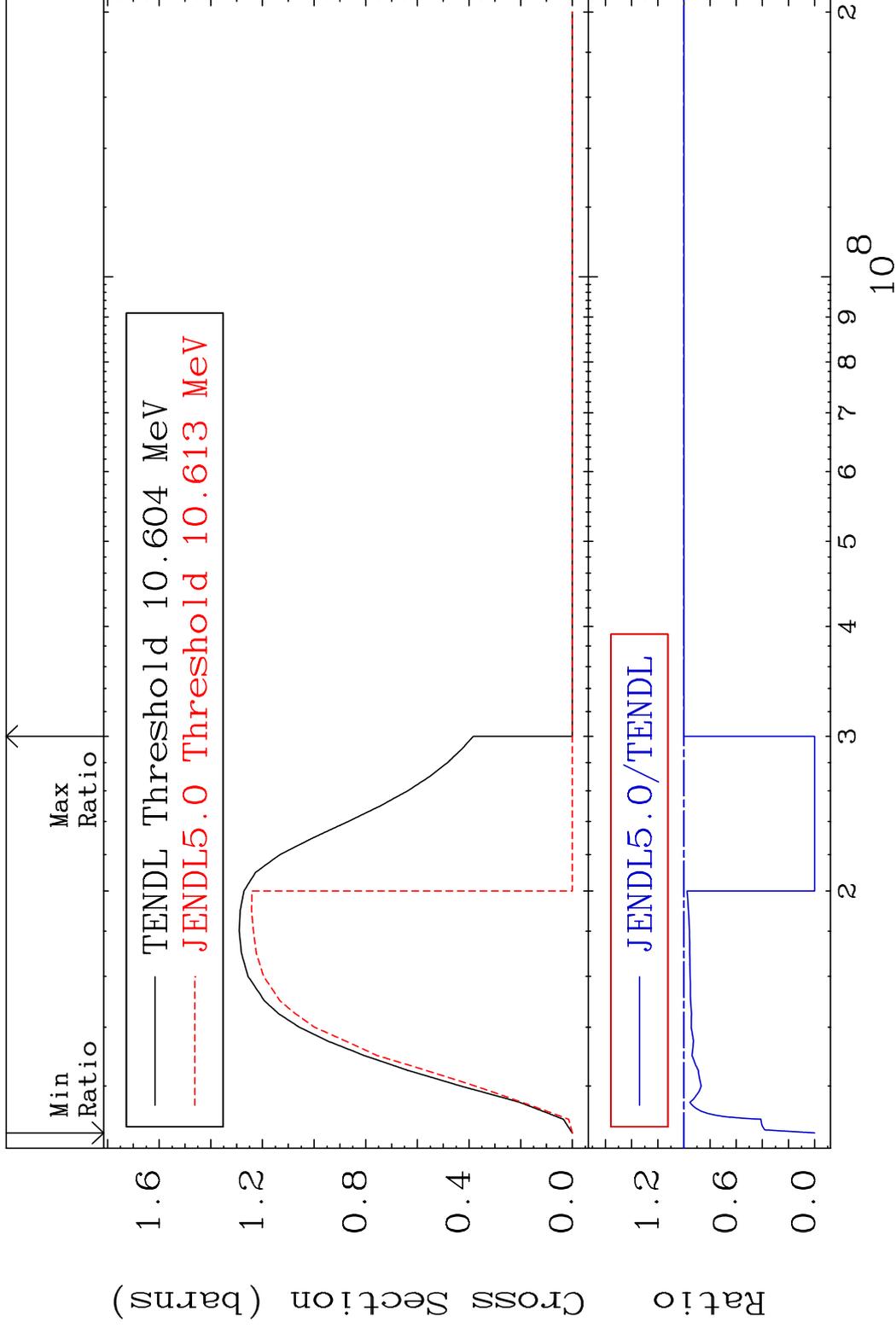
37-Rb-85

MAT 3725

(n,2n)

37-Rb-85

Cross Section -100.0 To 0.000 %

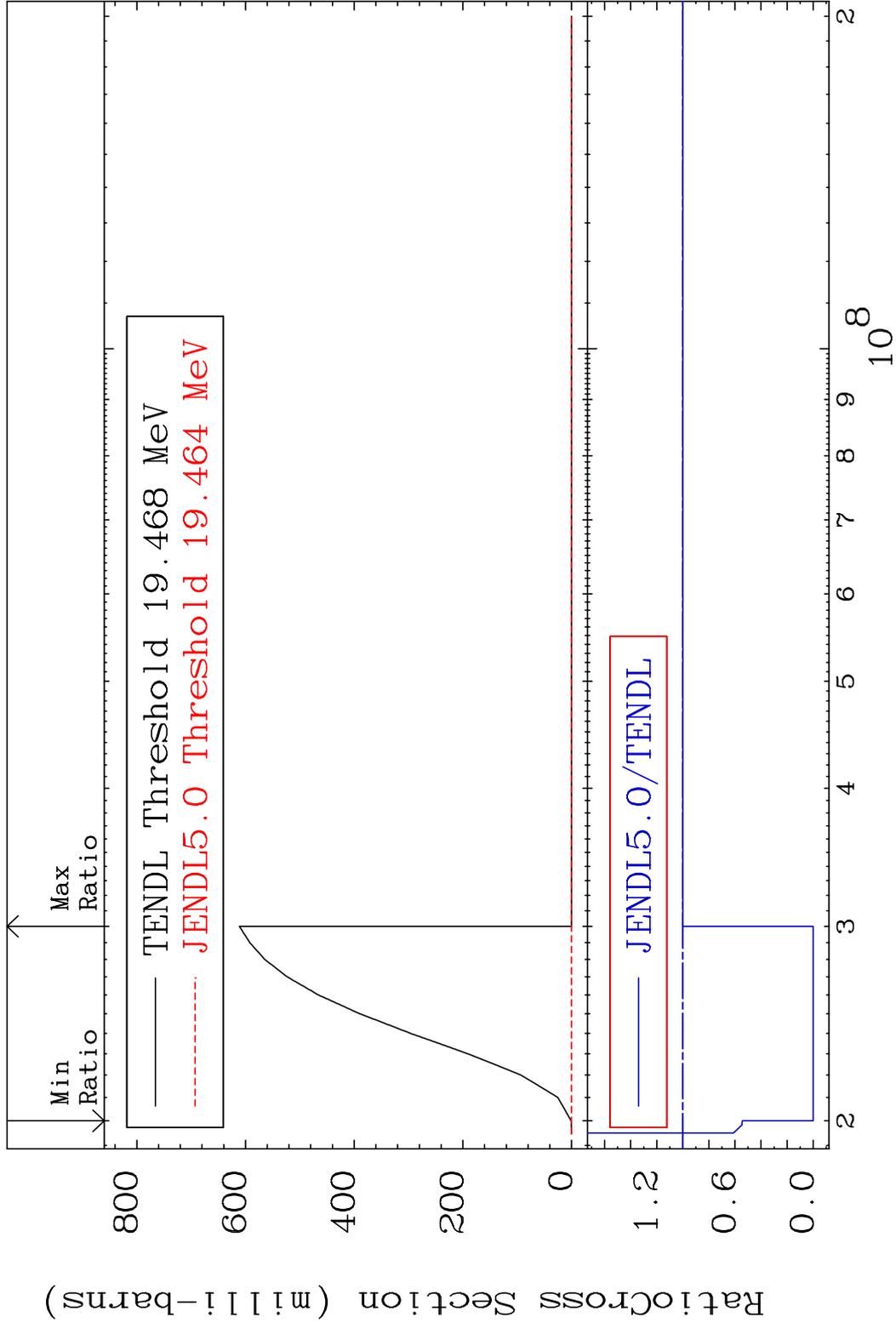


5

Incident Energy (eV)

37-Rb-85

MAT 3725 (n,3n) 37-Rb-85
 Cross Section -100.0 To 0.000 %

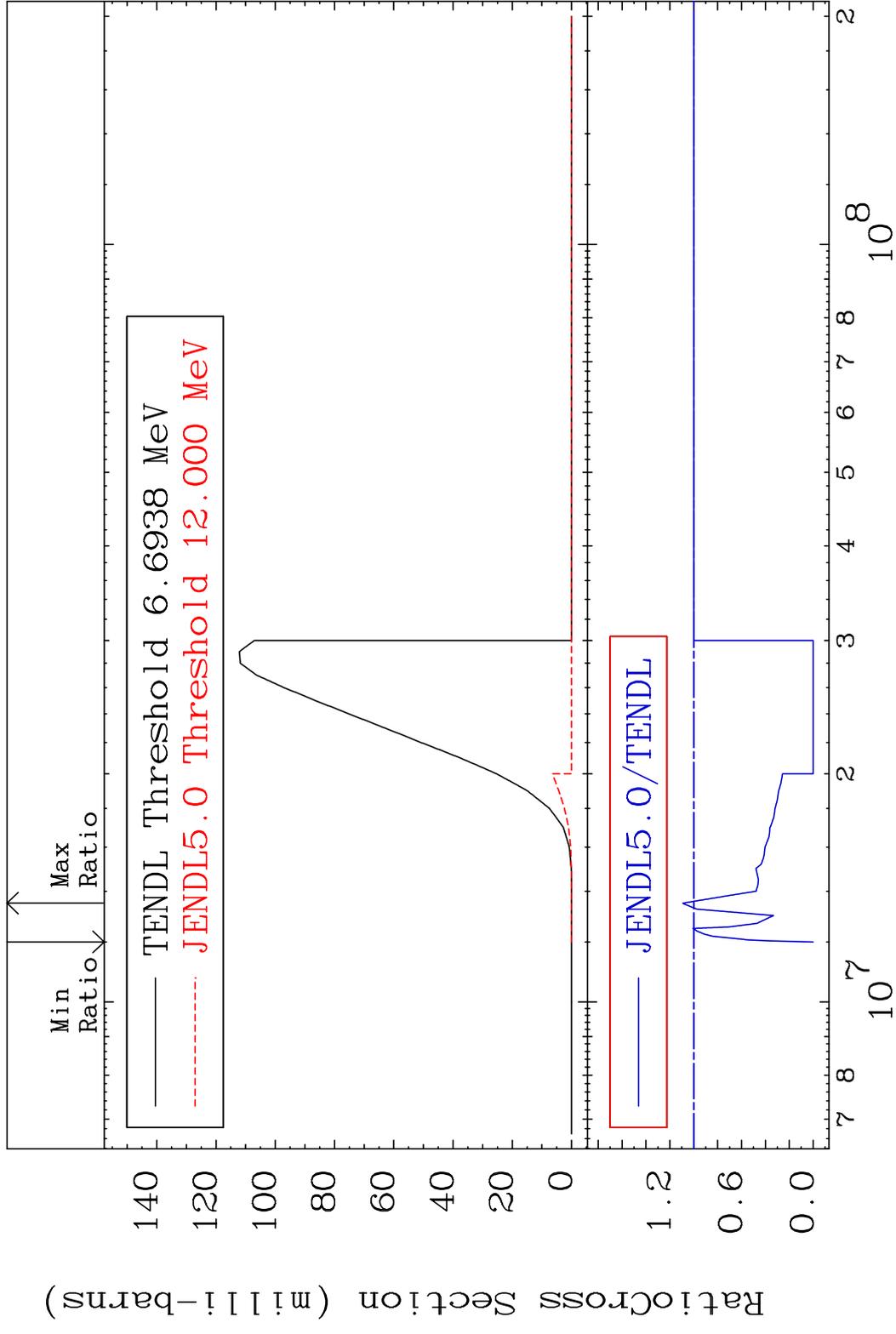


MAT 3725

(n, n') α

37-Rb-85

Cross Section -100.0 To 9.137 %



7

Incident Energy (eV)

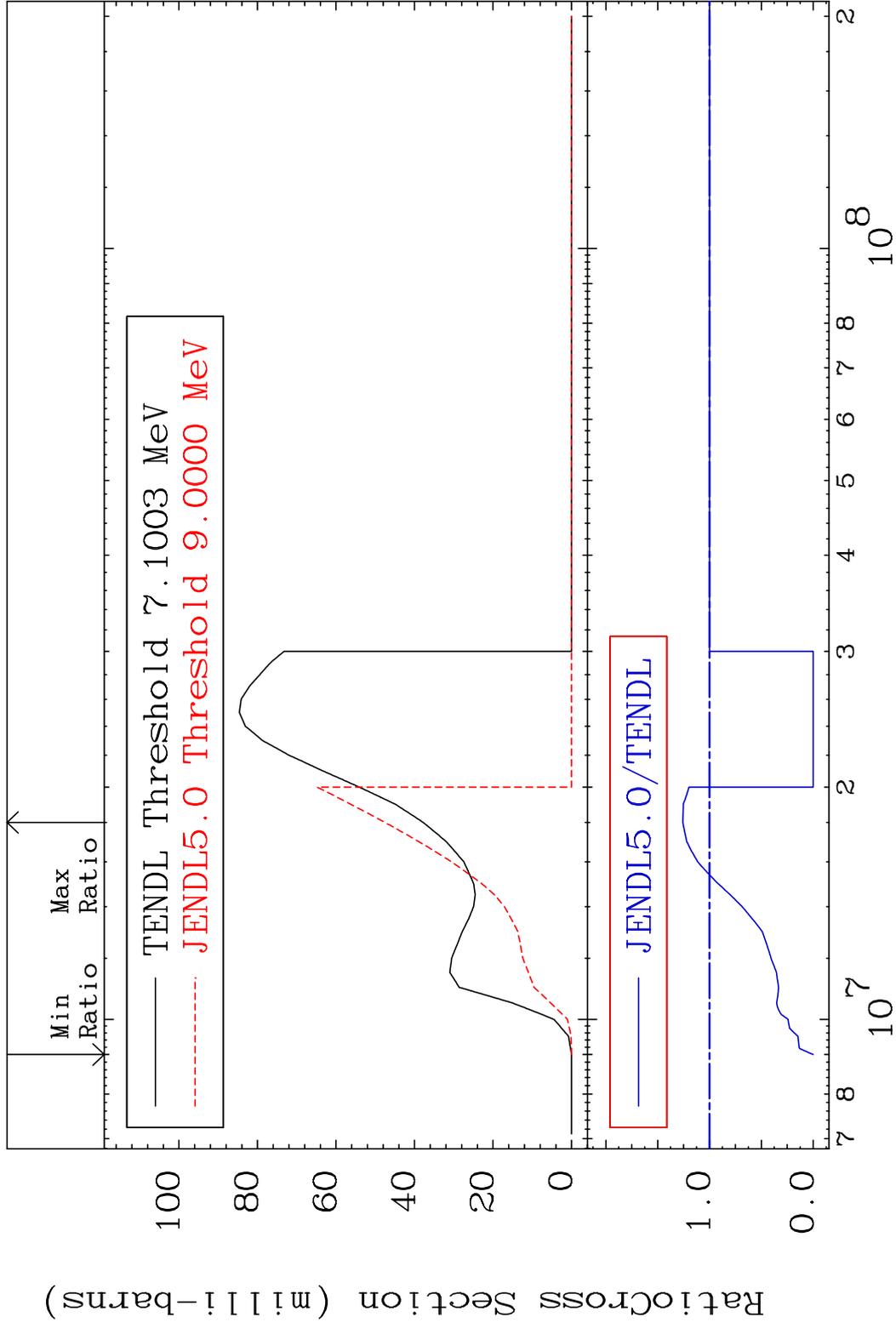
37-Rb-85

MAT 3725

(n, n') p

37-Rb-85

Cross Section -100.0 To 25.72 %



8

Incident Energy (eV)

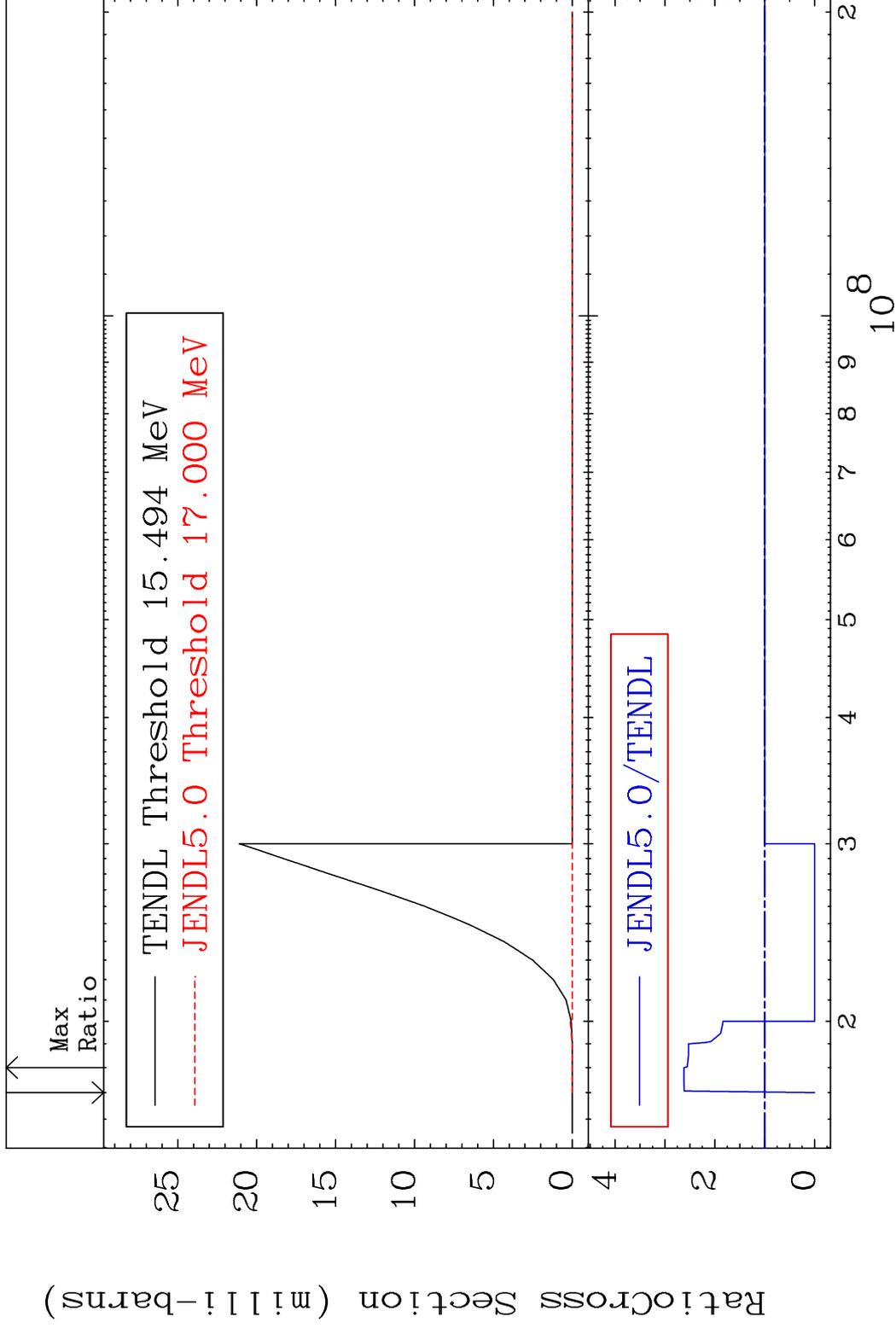
37-Rb-85

MAT 3725

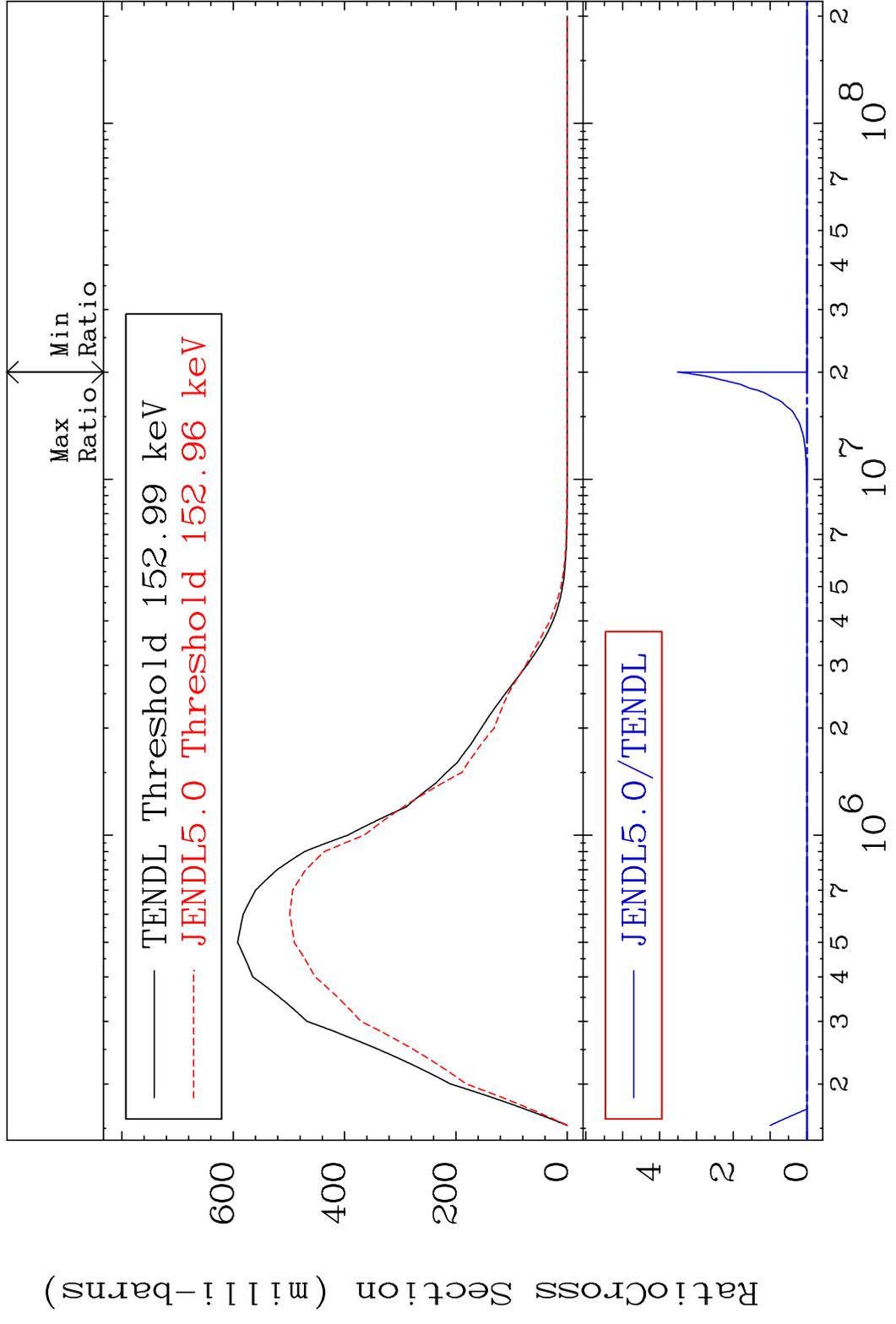
(n, n') d

37-Rb-85

Cross Section -100.0 To 162.0 %

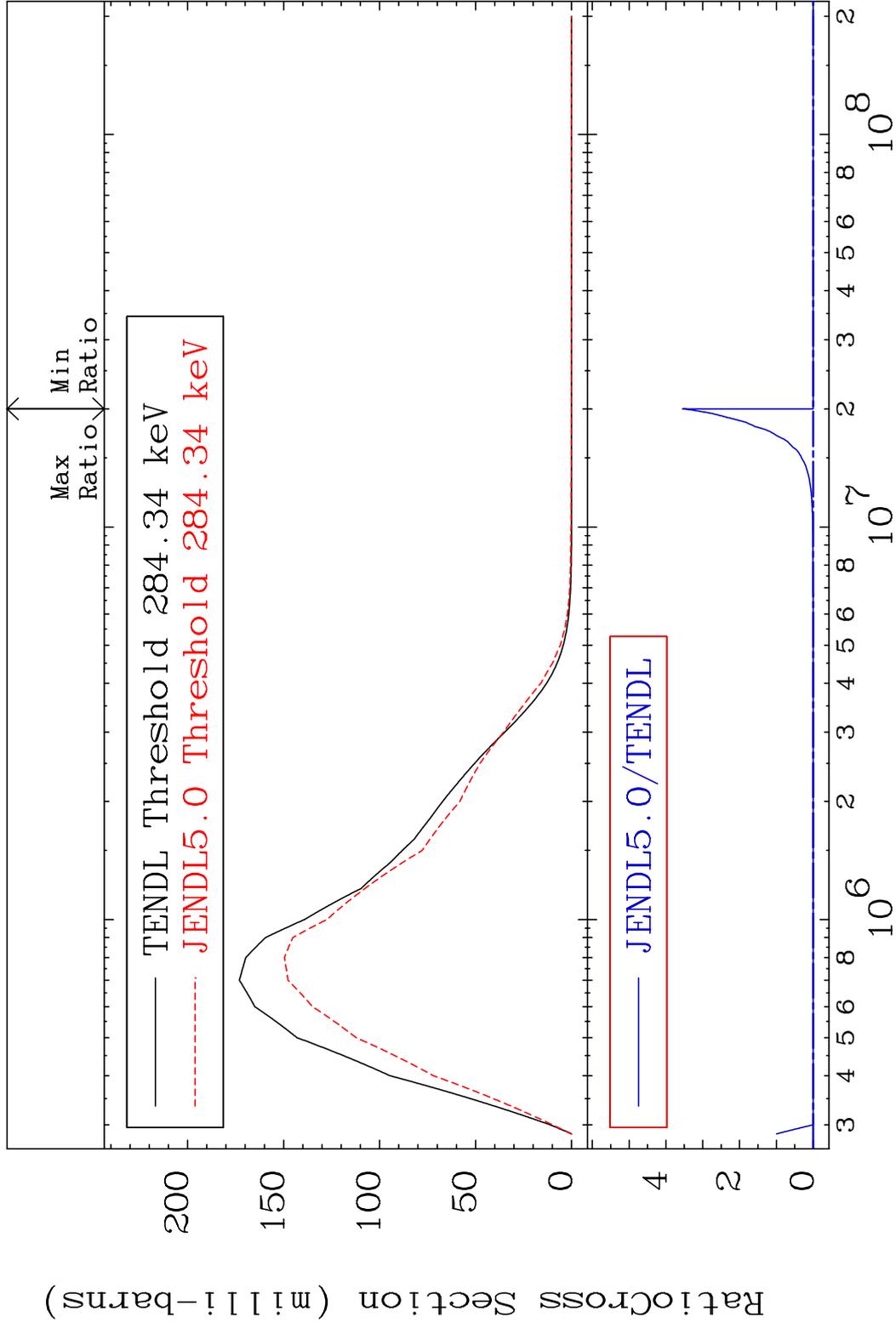


MAT 3725 MT= 51 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %

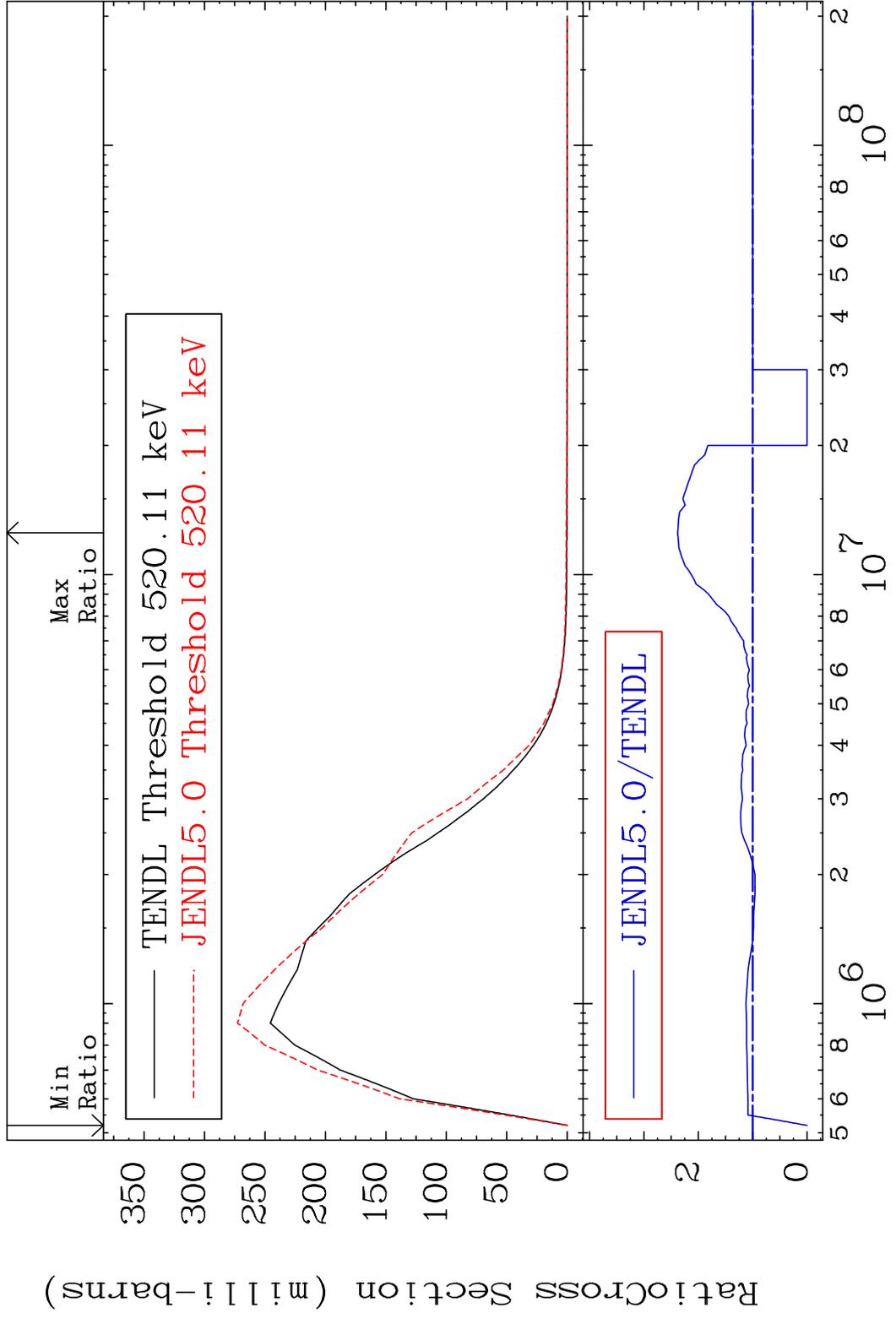


10 Incident Energy (eV) 37-Rb-85

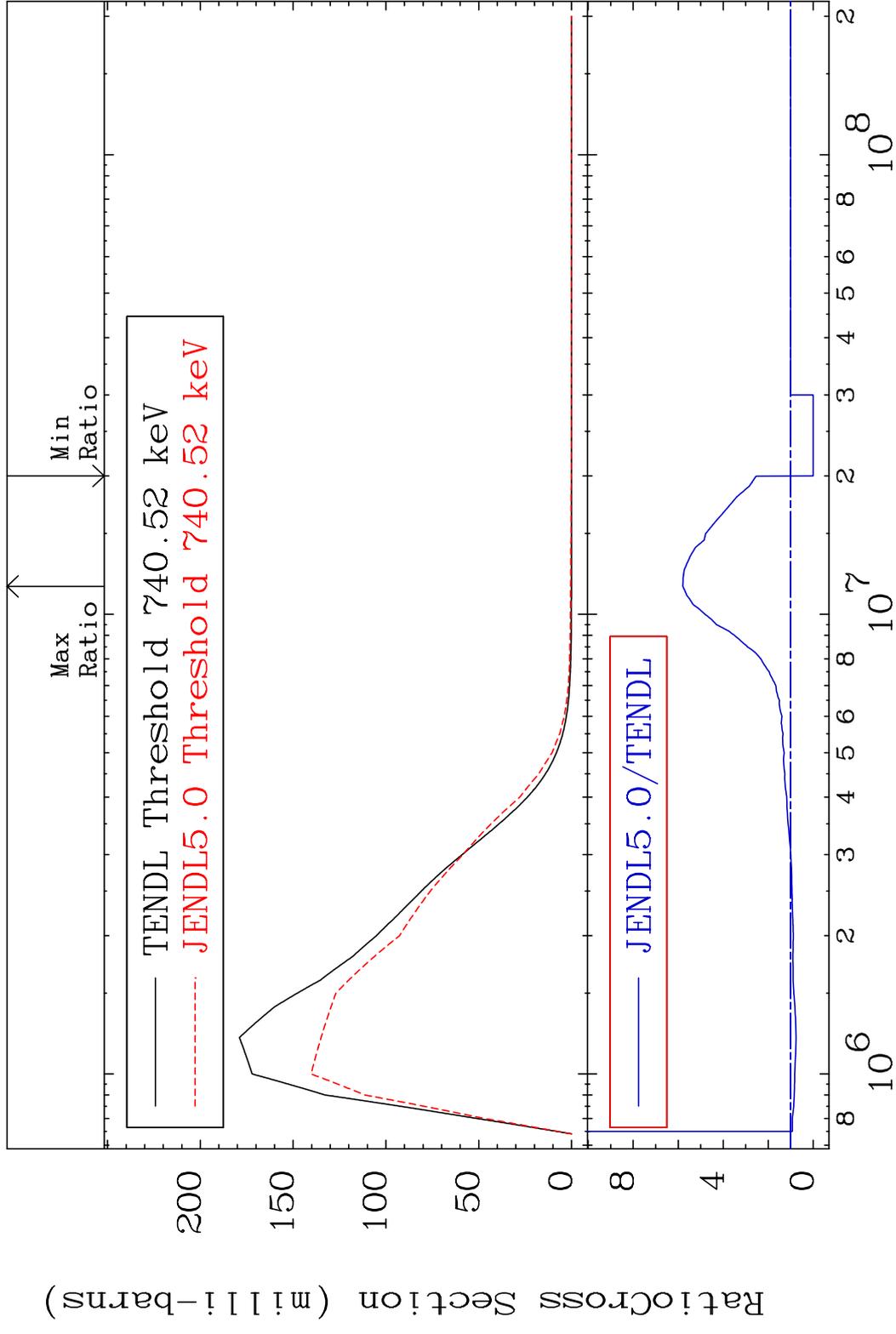
MAT 3725 MT= 52 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



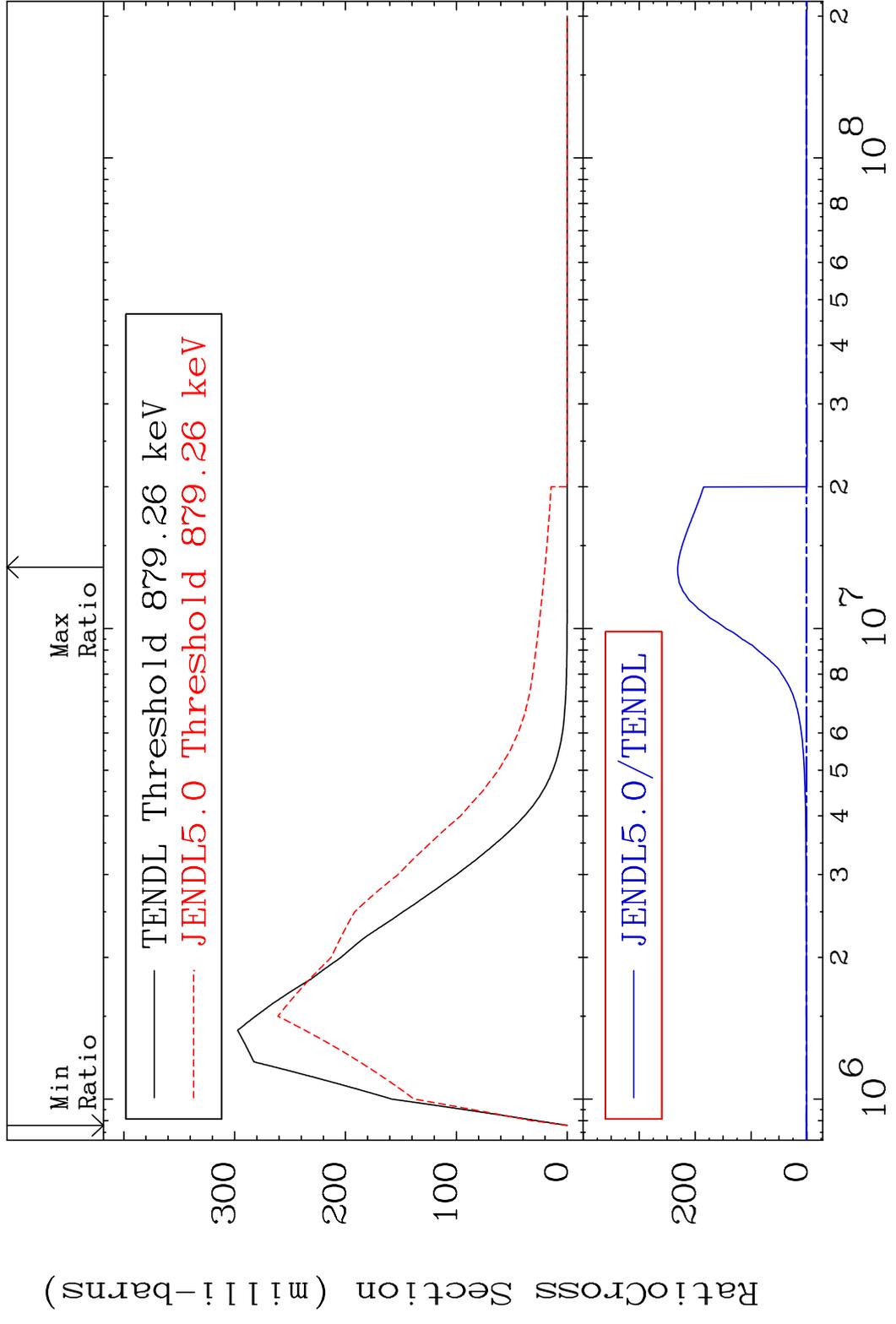
MAT 3725 MT= 53 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 137.9 %



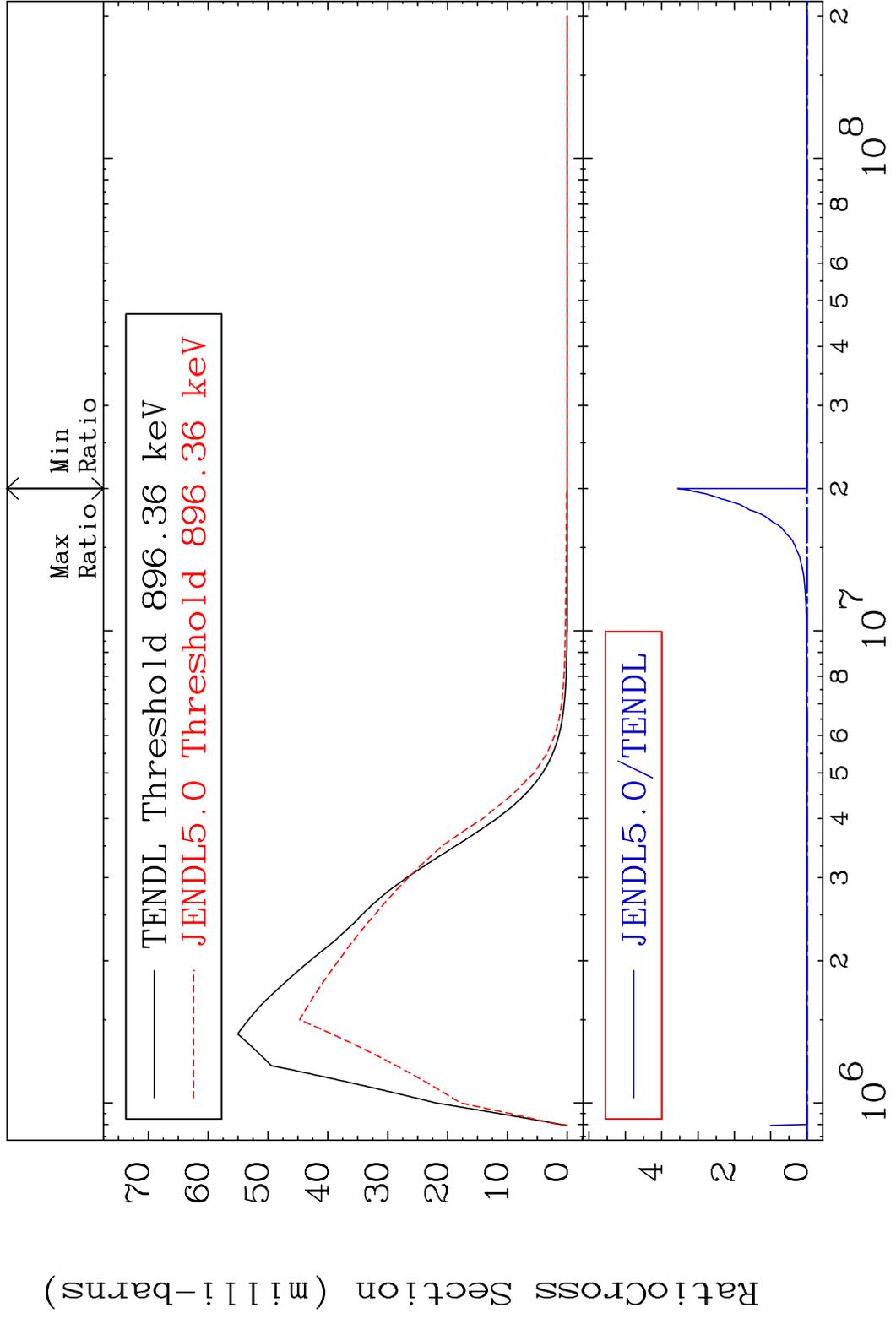
MAT 3725 MT= 54 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 479.4 %



MAT 3725 MT= 55 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %

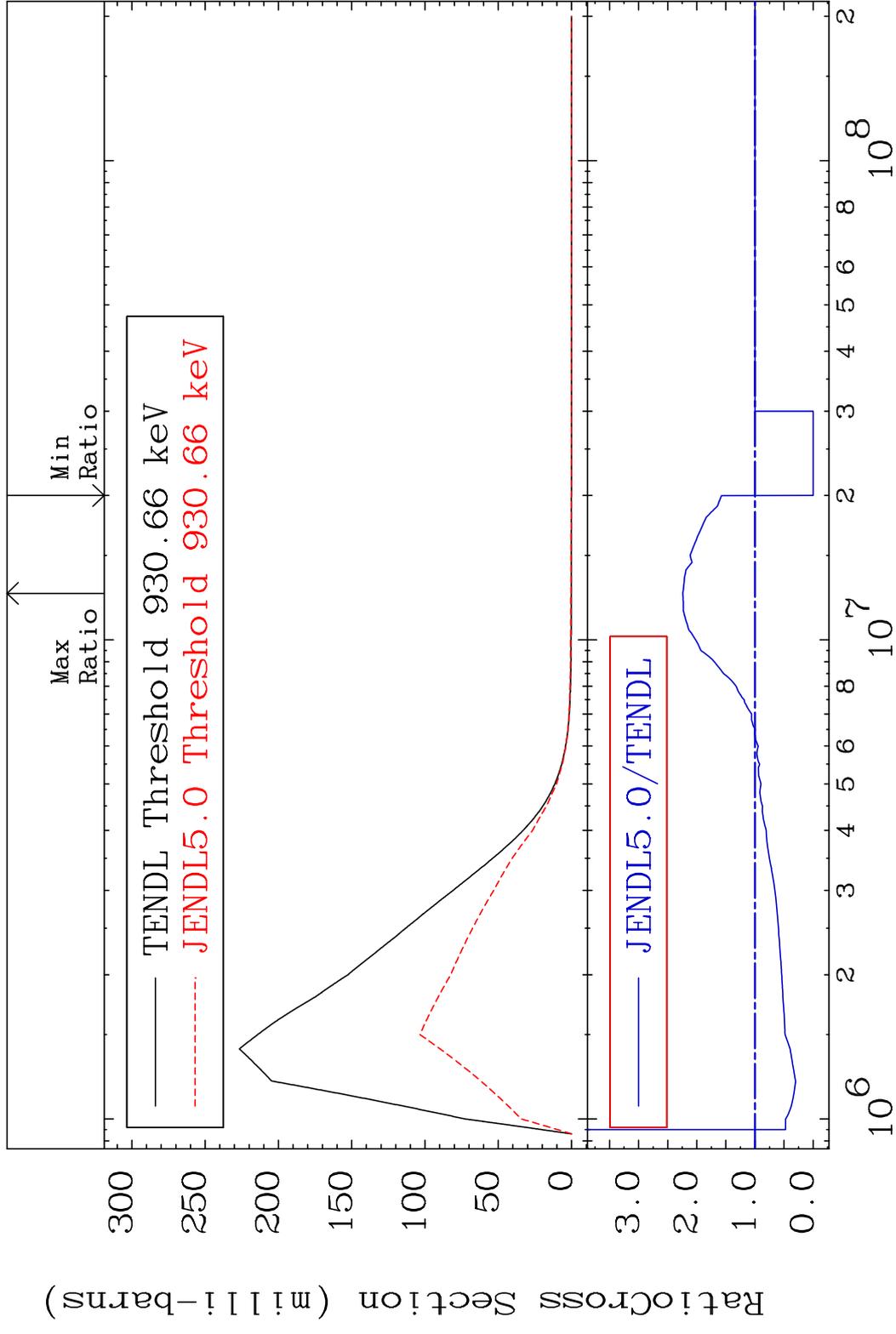


MAT 3725 MT= 56 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



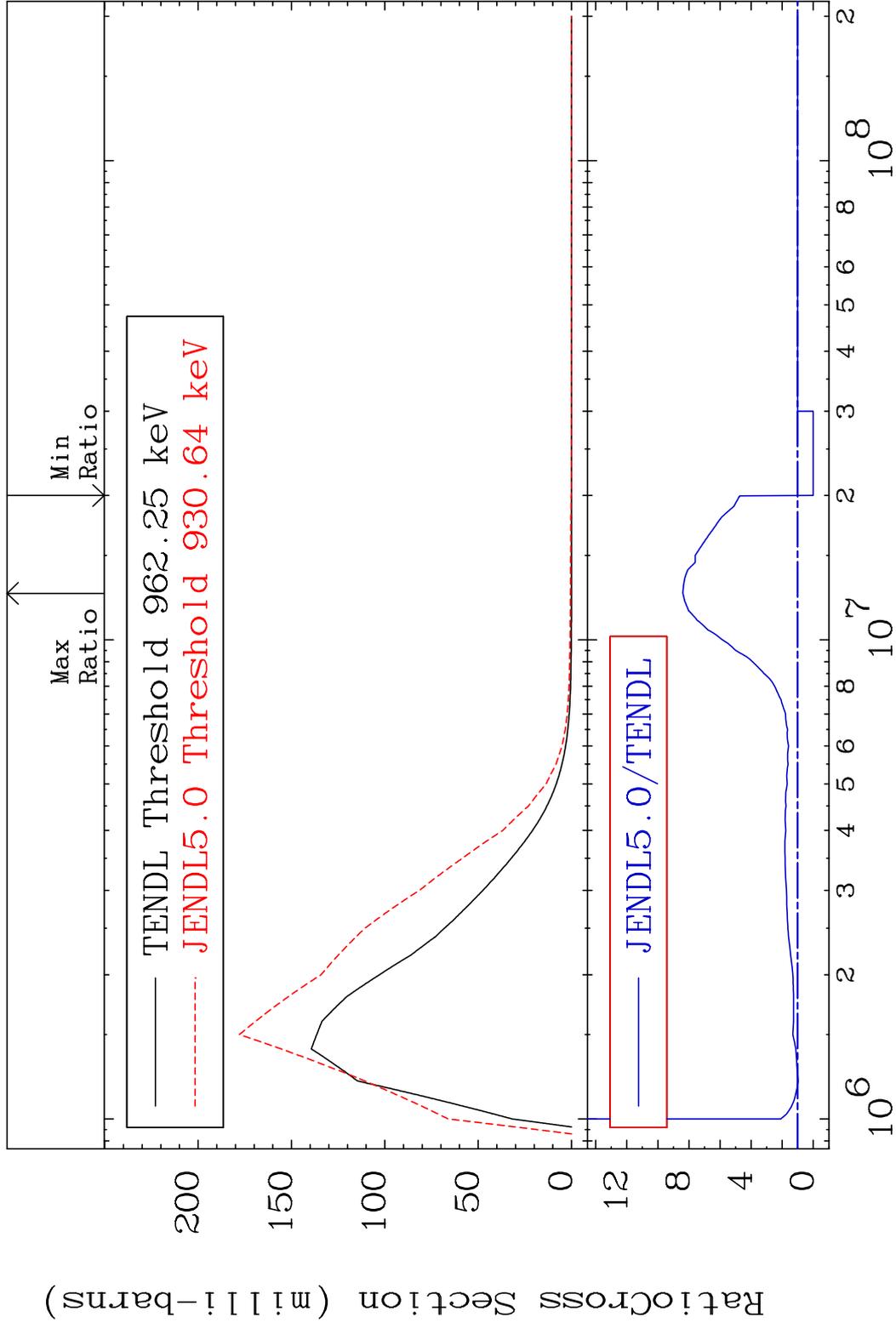
15 37-Rb-85

MAT 3725 MT= 57 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 124.0 %



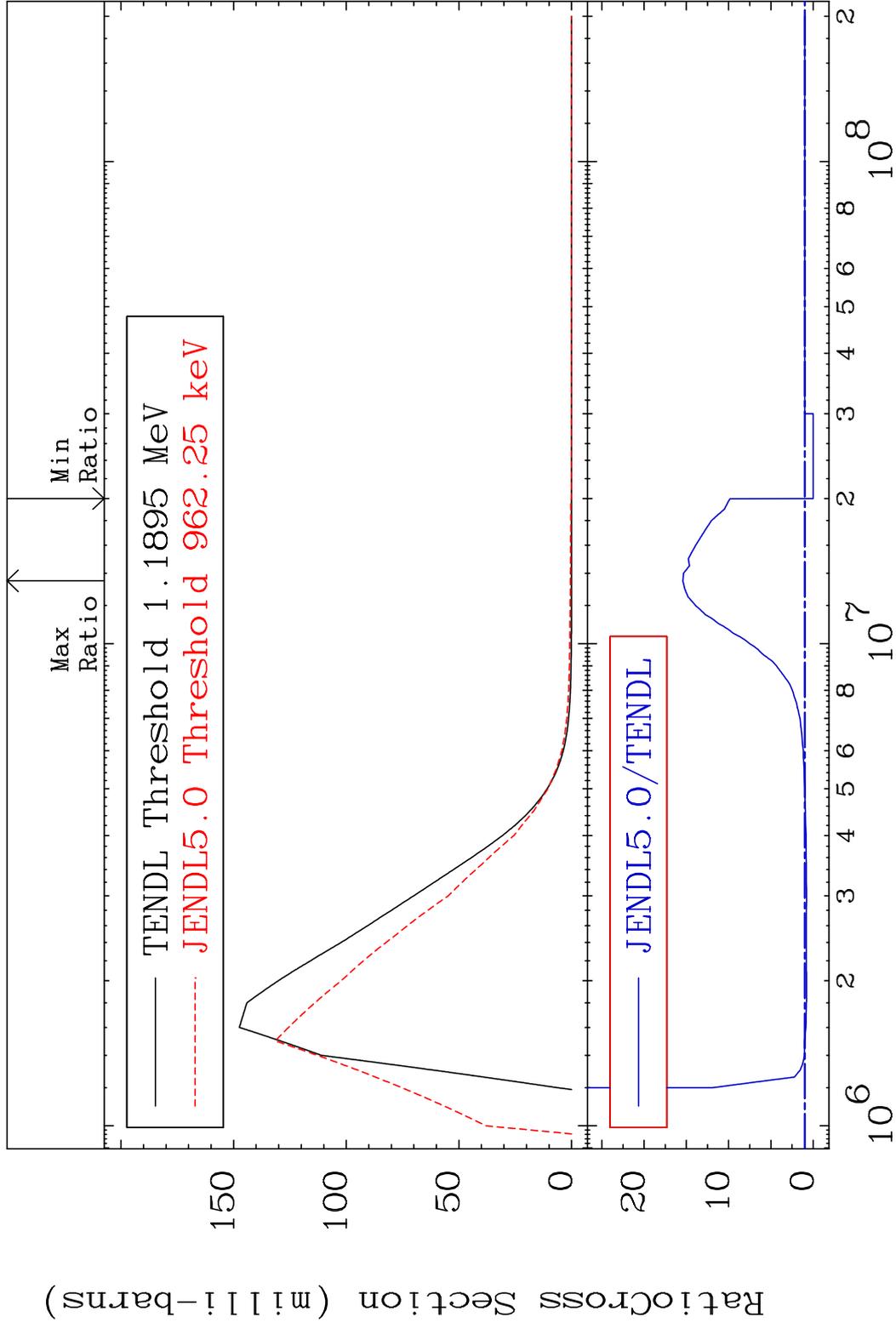
16 Incident Energy (eV) 37-Rb-85

MAT 3725 MT= 58 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 739.3 %



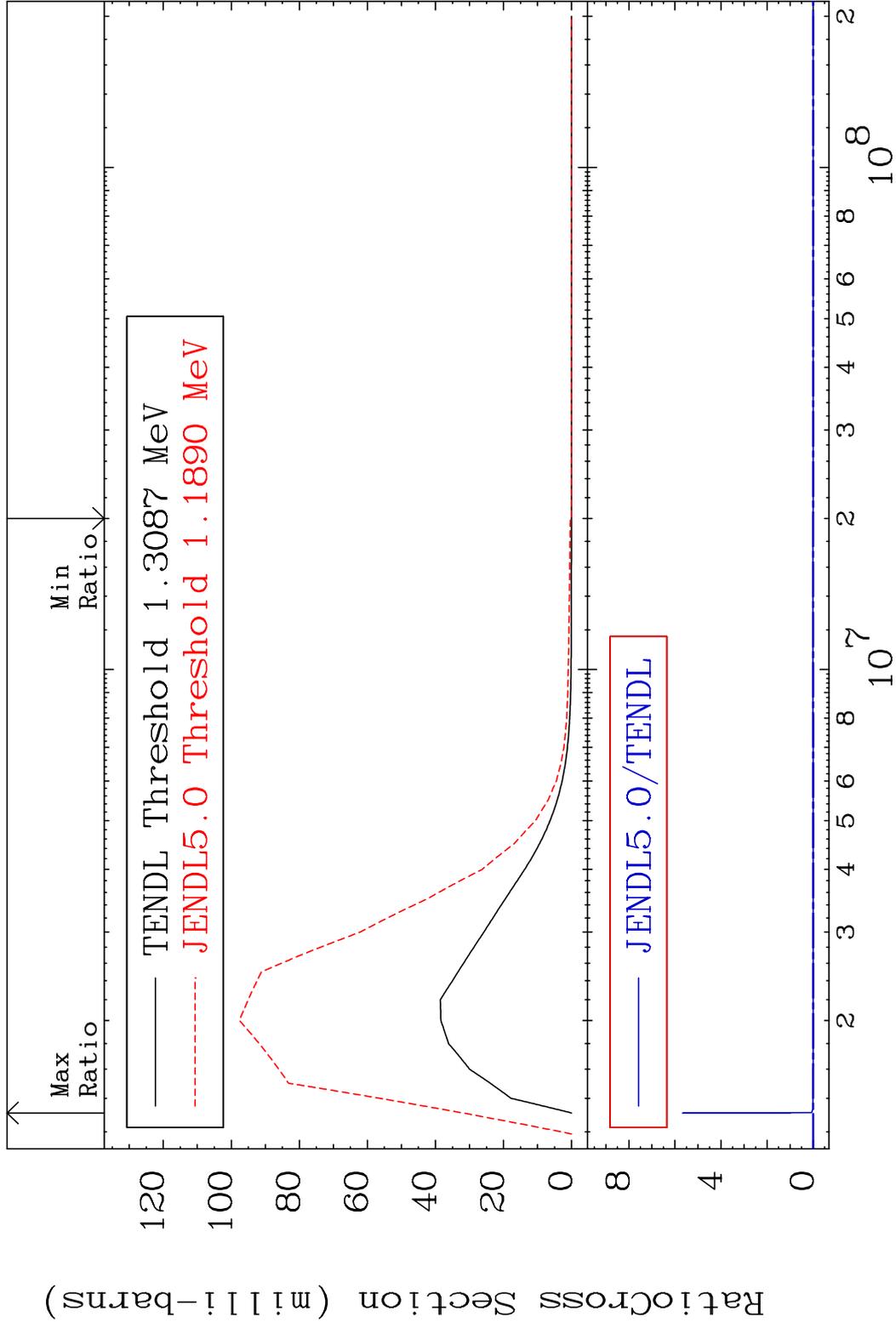
17 37-Rb-85

MAT 3725 MT= 59 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 1442. %

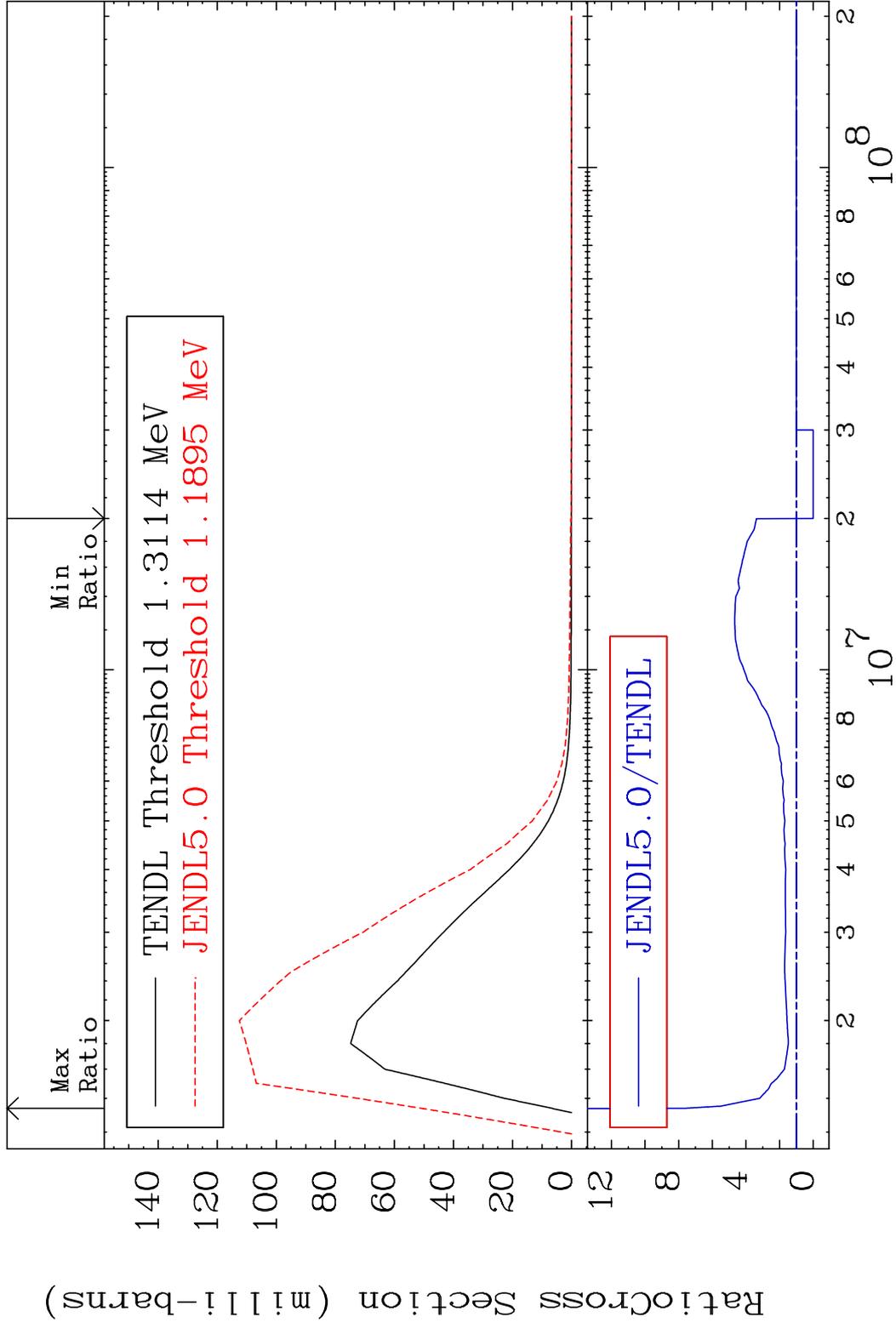


18 37-Rb-85

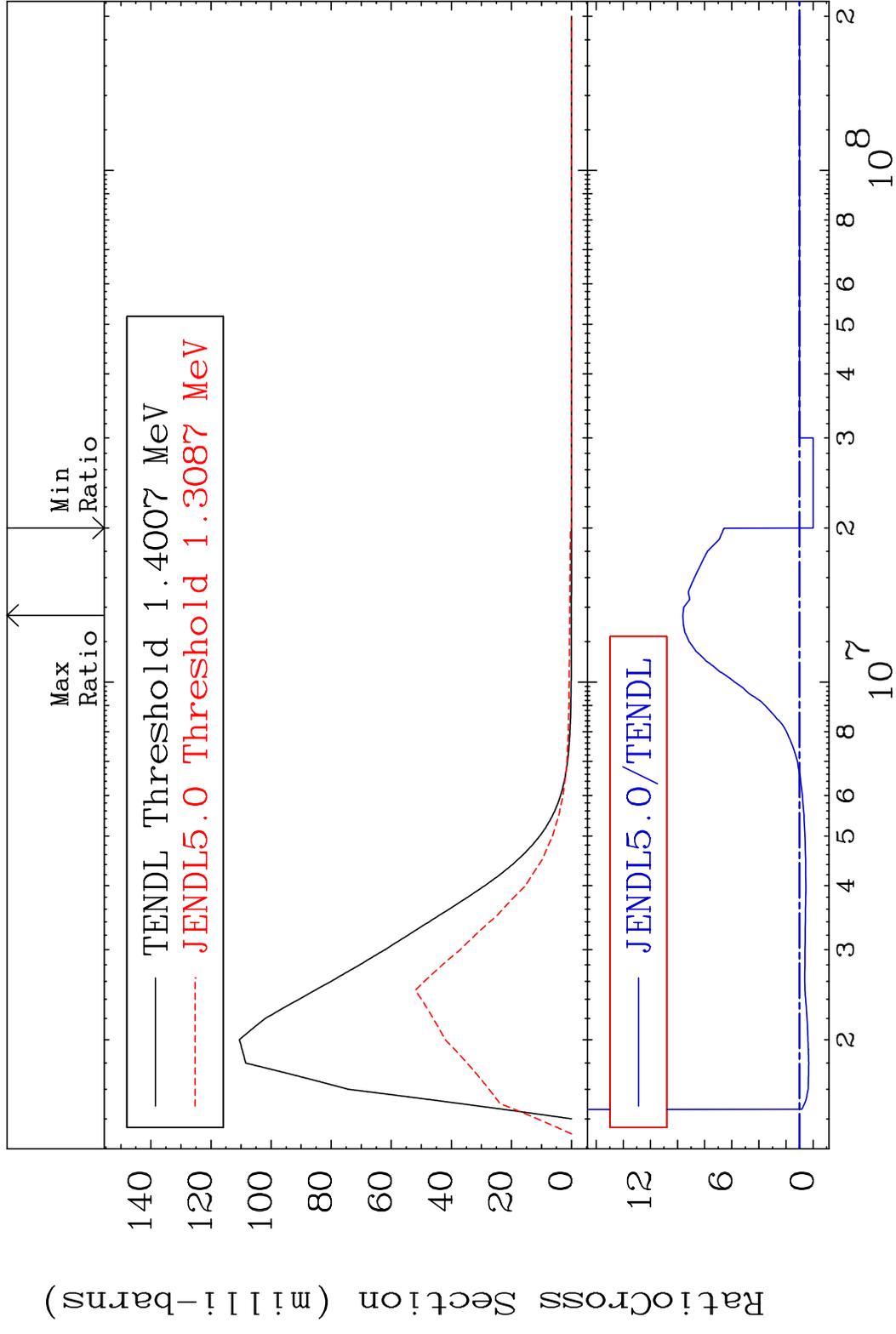
MAT 3725 MT= 60 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



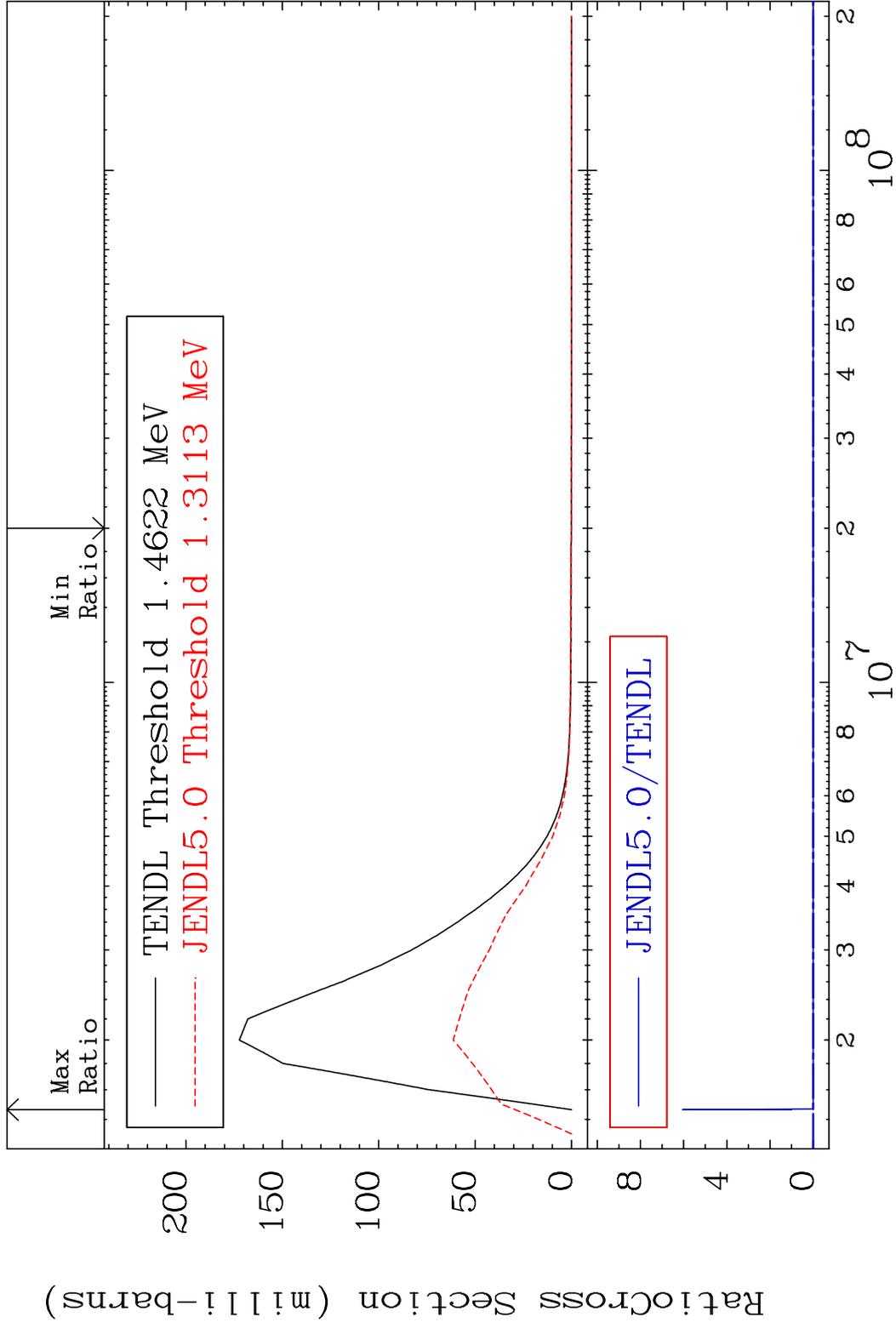
MAT 3725 MT= 61 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 675.3 %



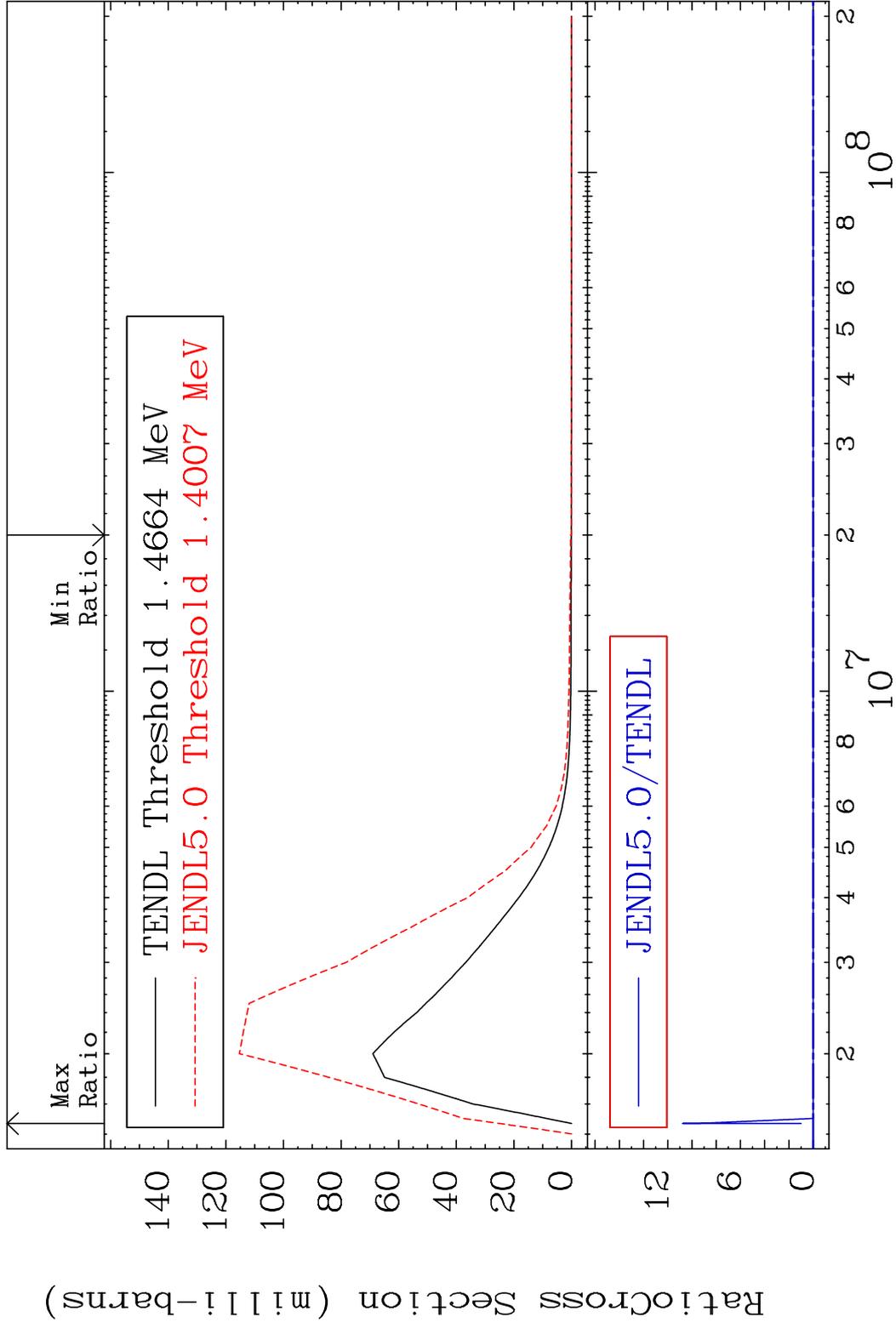
MAT 3725 MT= 62 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 861.0 %



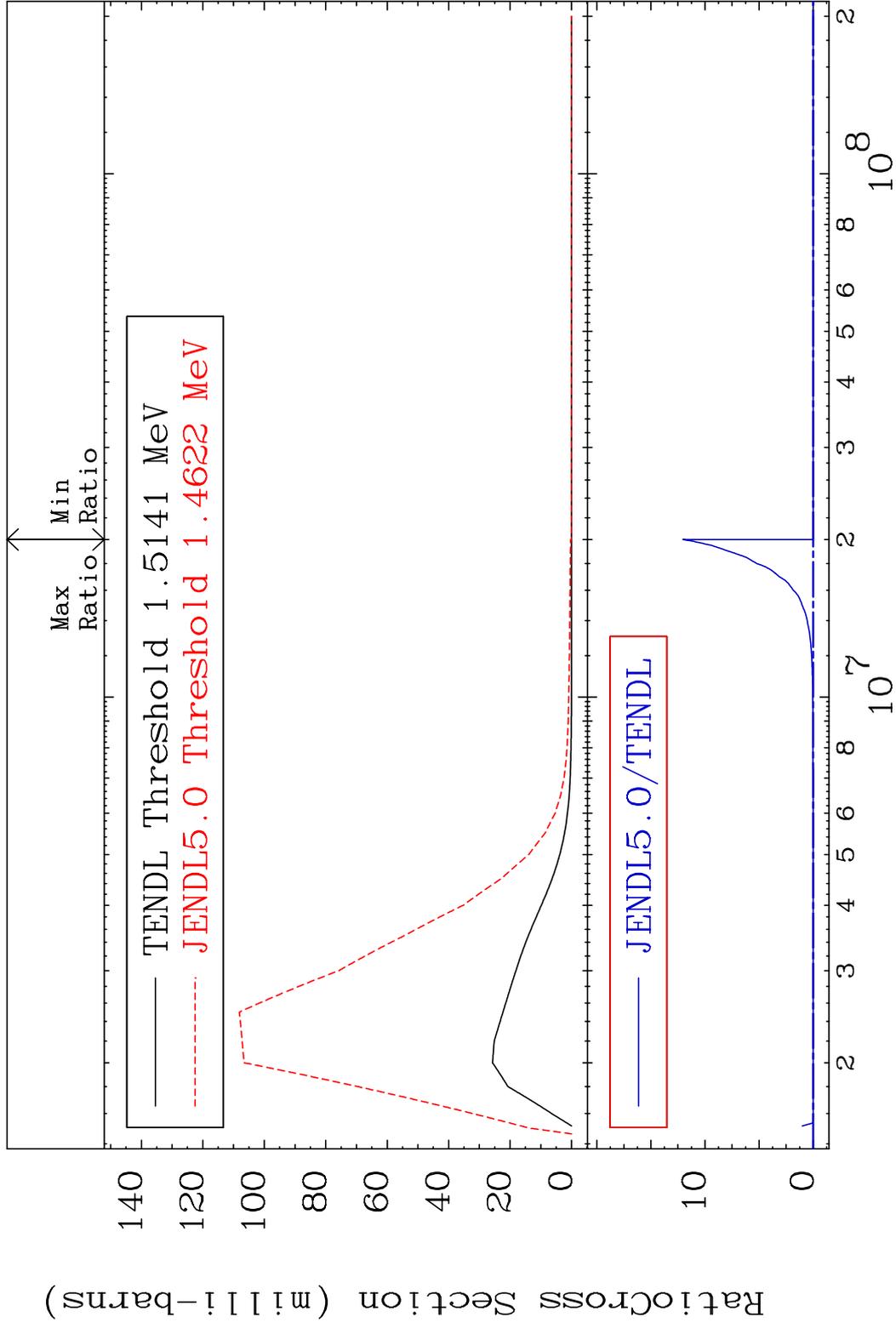
MAT 3725 MT= 63 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



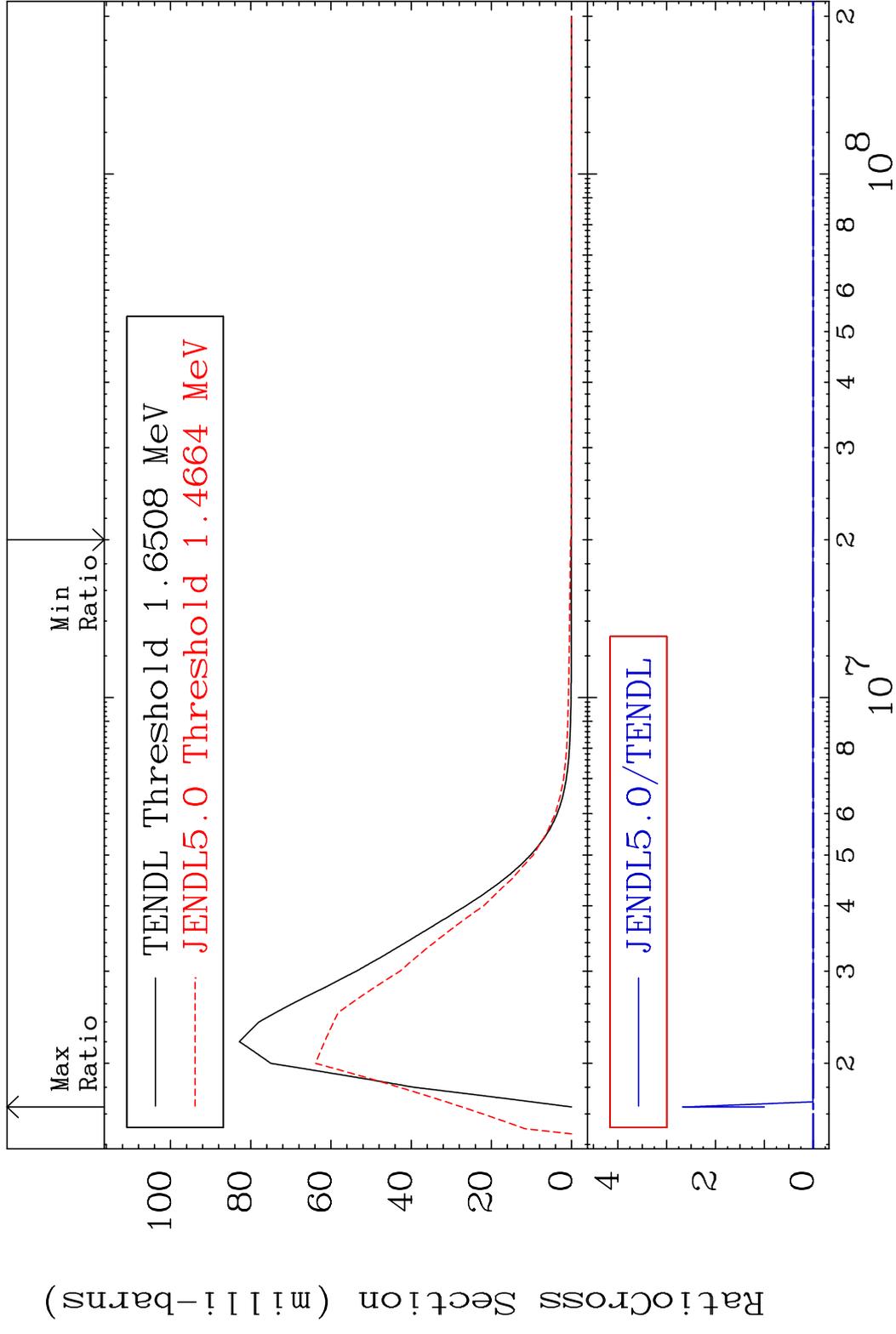
MAT 3725 MT= 64 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



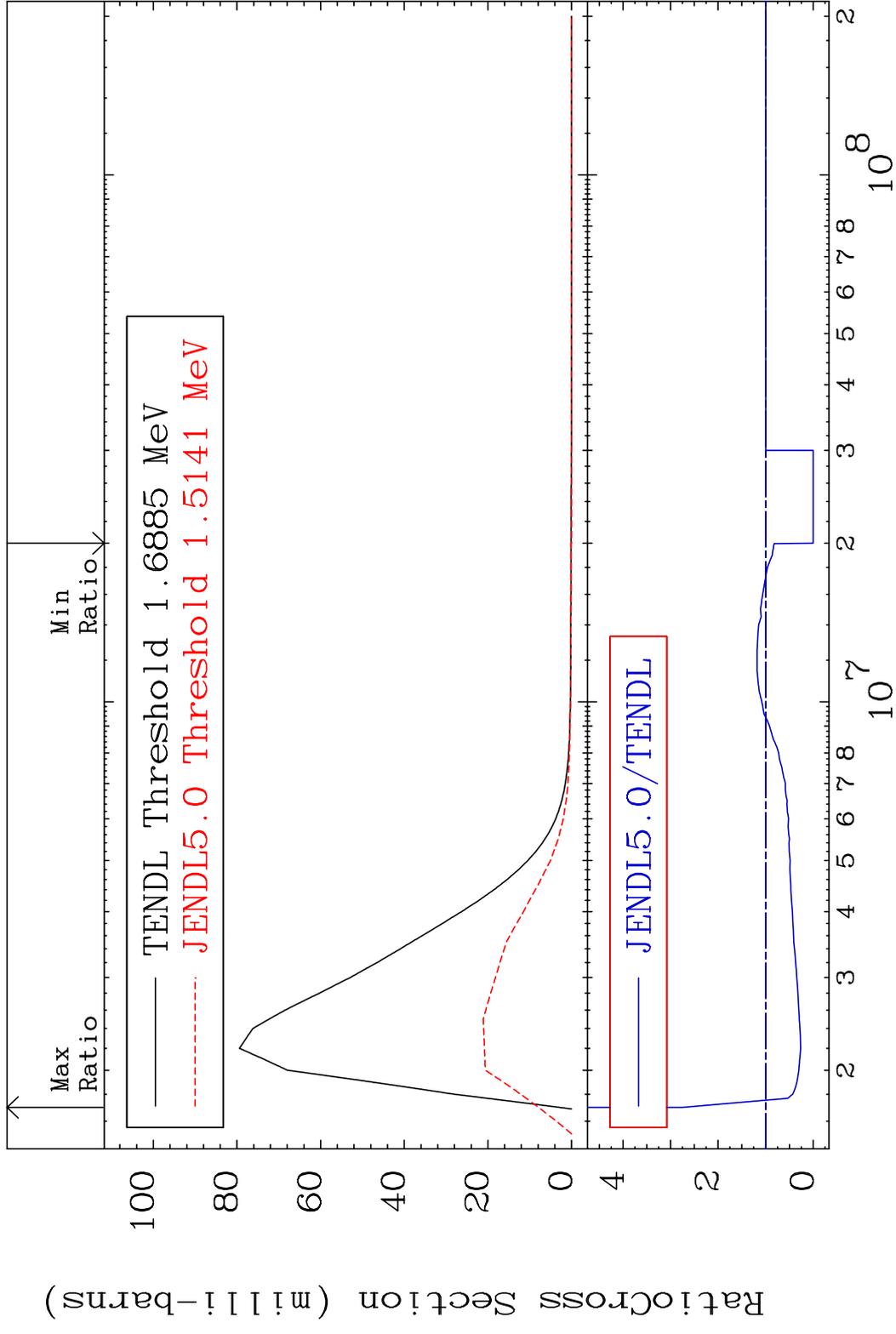
MAT 3725 MT= 65 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



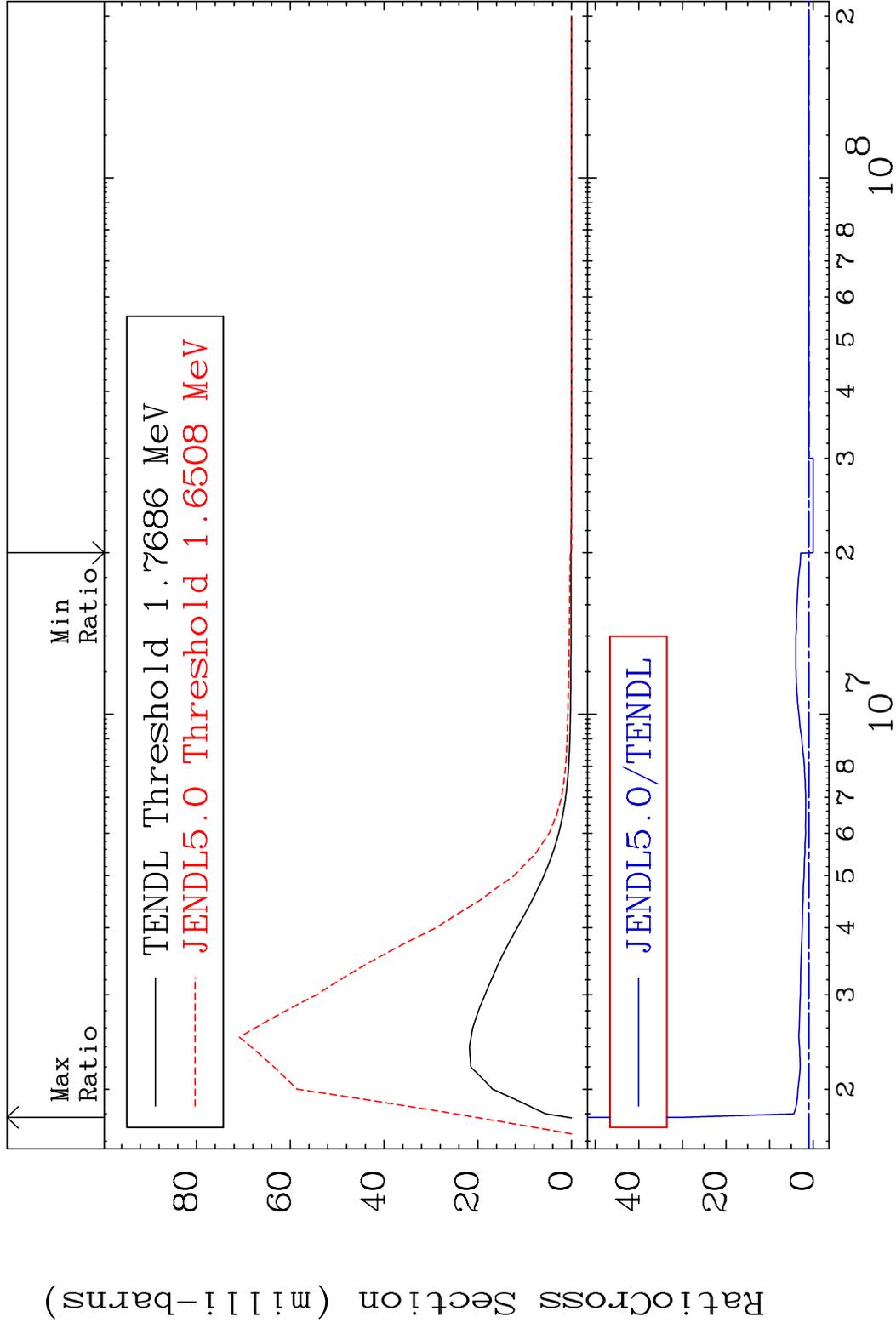
MAT 3725 MT= 66 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



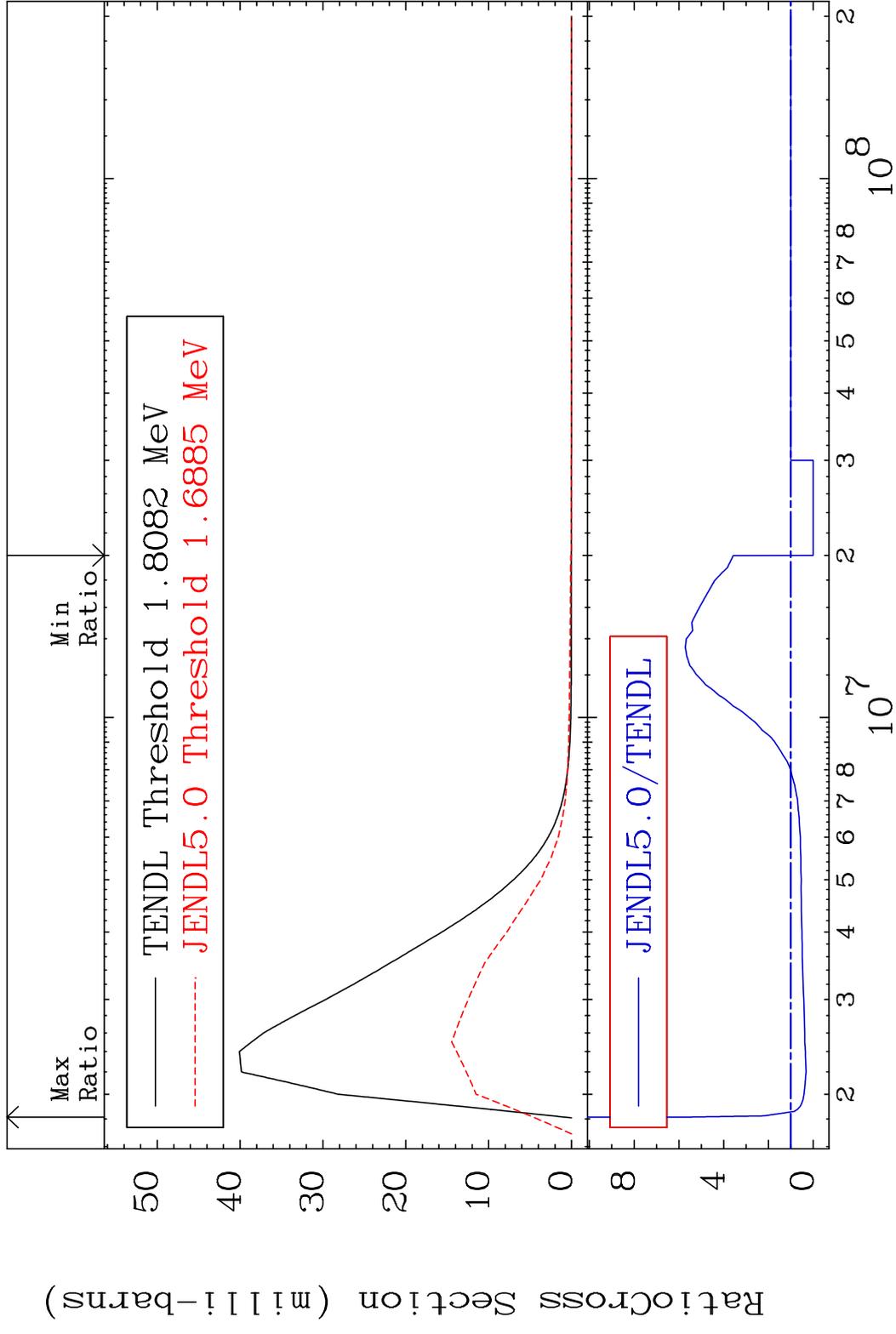
MAT 3725 MT= 67 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 174.2 %



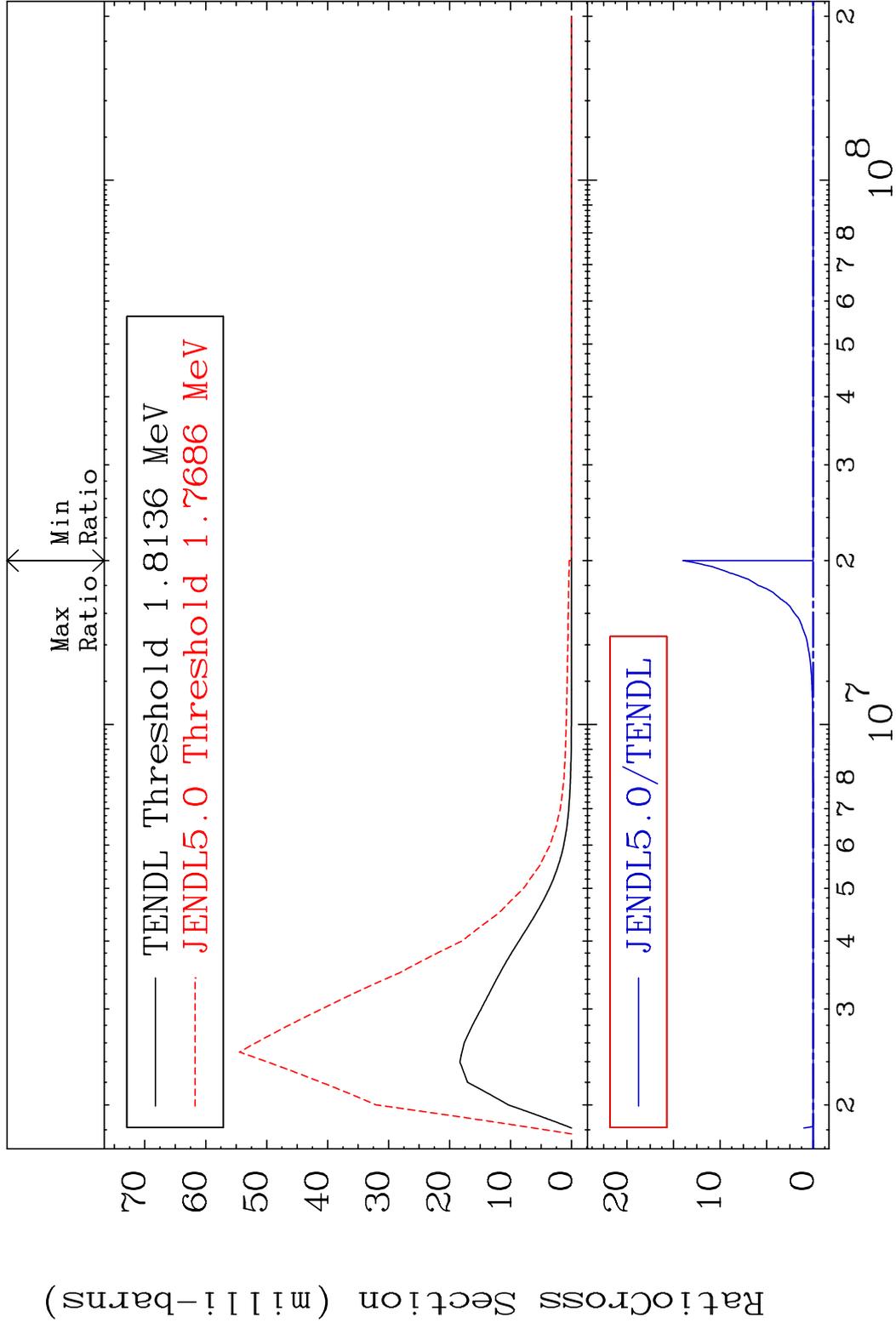
MAT 3725 MT= 68 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 2890. %



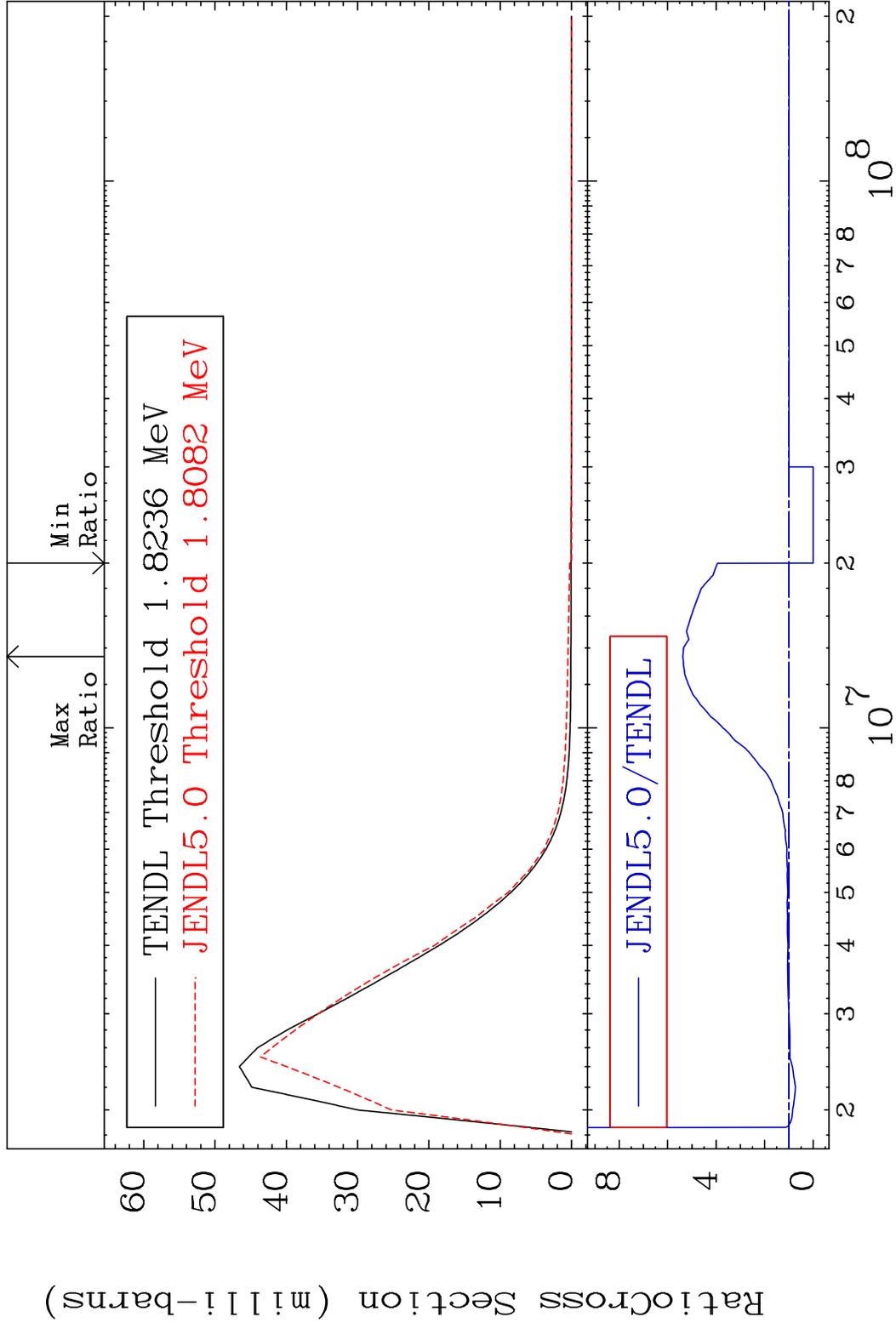
MAT 3725 MT= 69 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 482.4 %



MAT 3725 MT= 70 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %

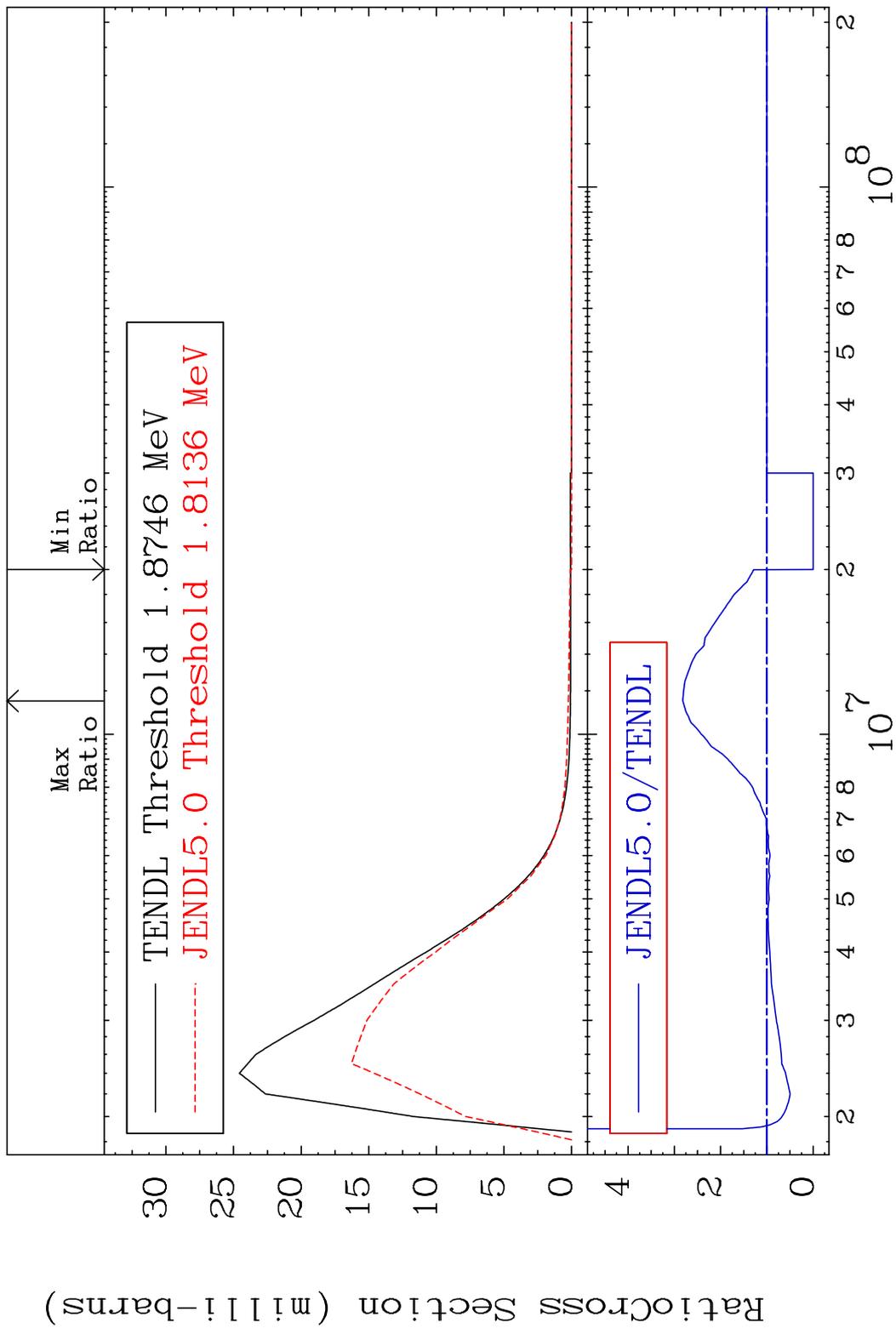


MAT 3725 MT= 71 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 437.4 %

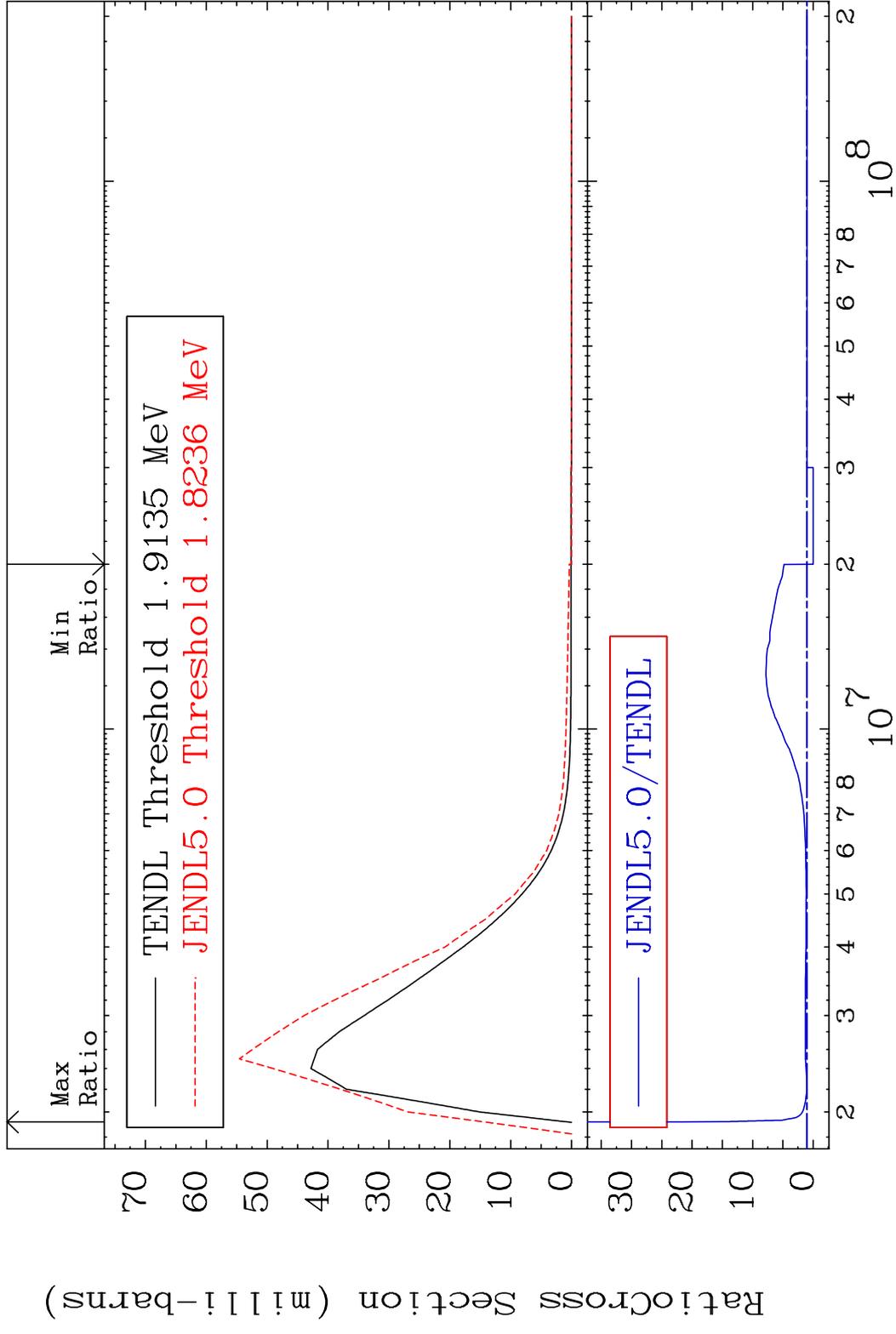


30 Incident Energy (eV) 37-Rb-85

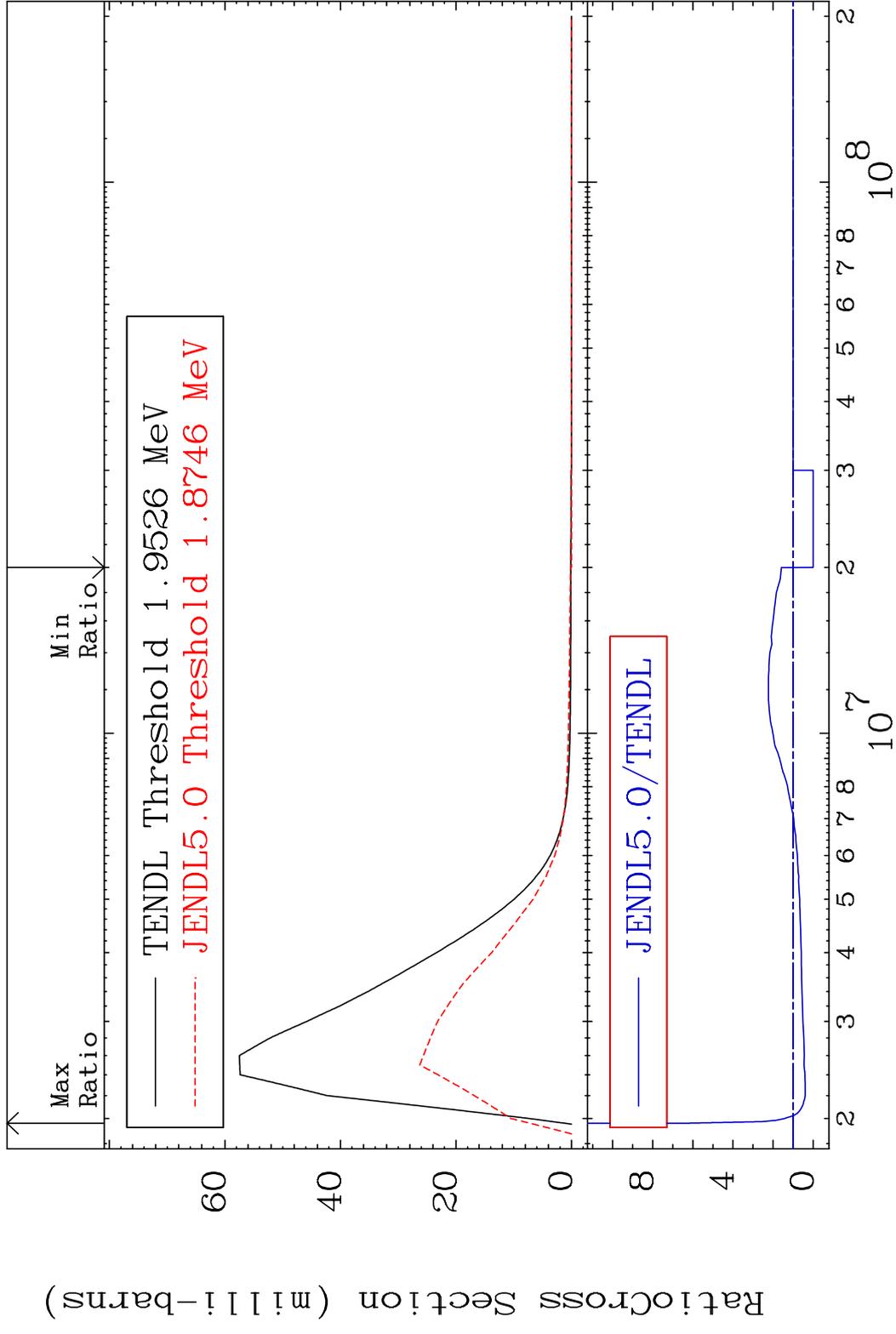
MAT 3725 MT= 72 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 181.7 %



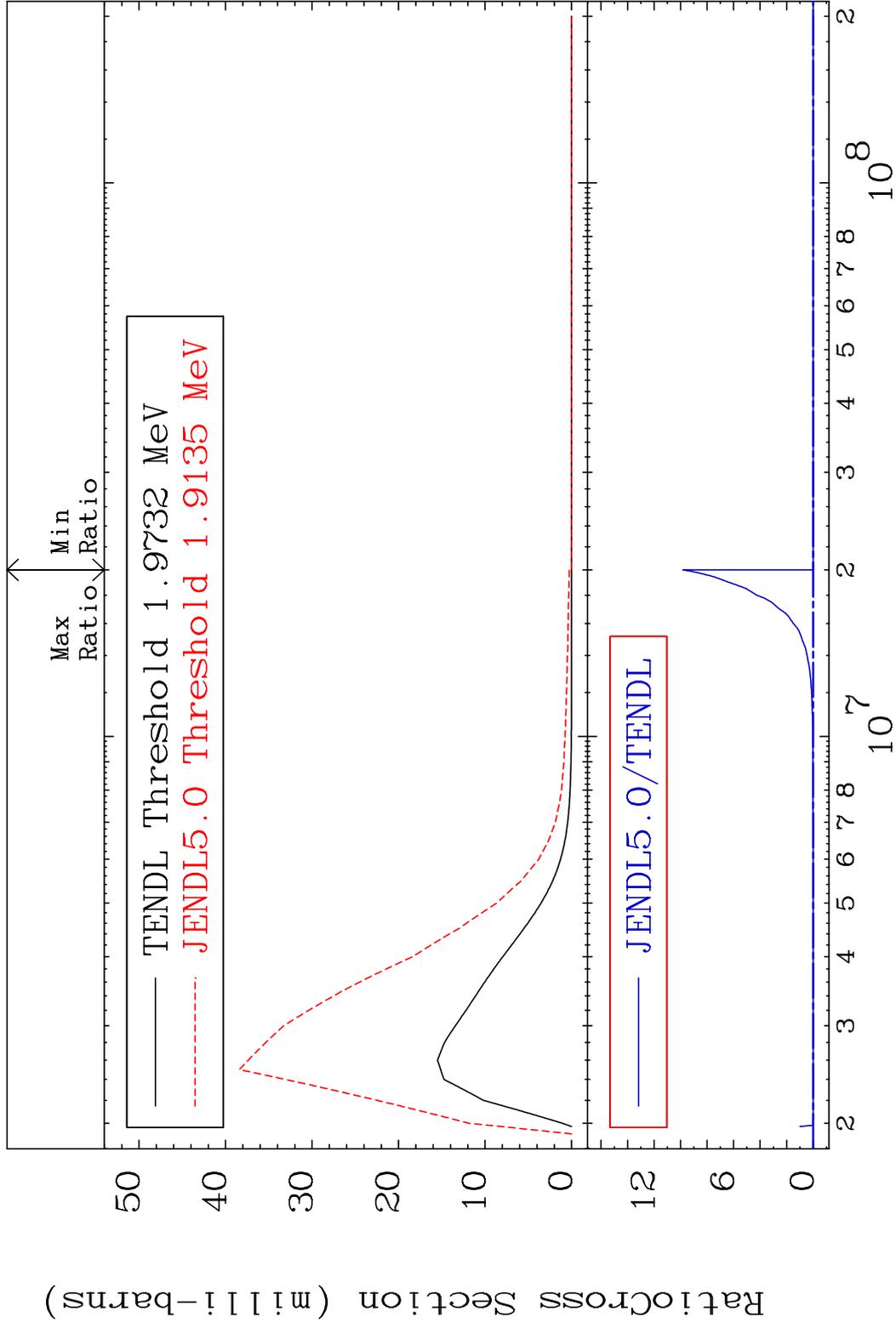
MAT 3725 MT= 73 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 2053. %



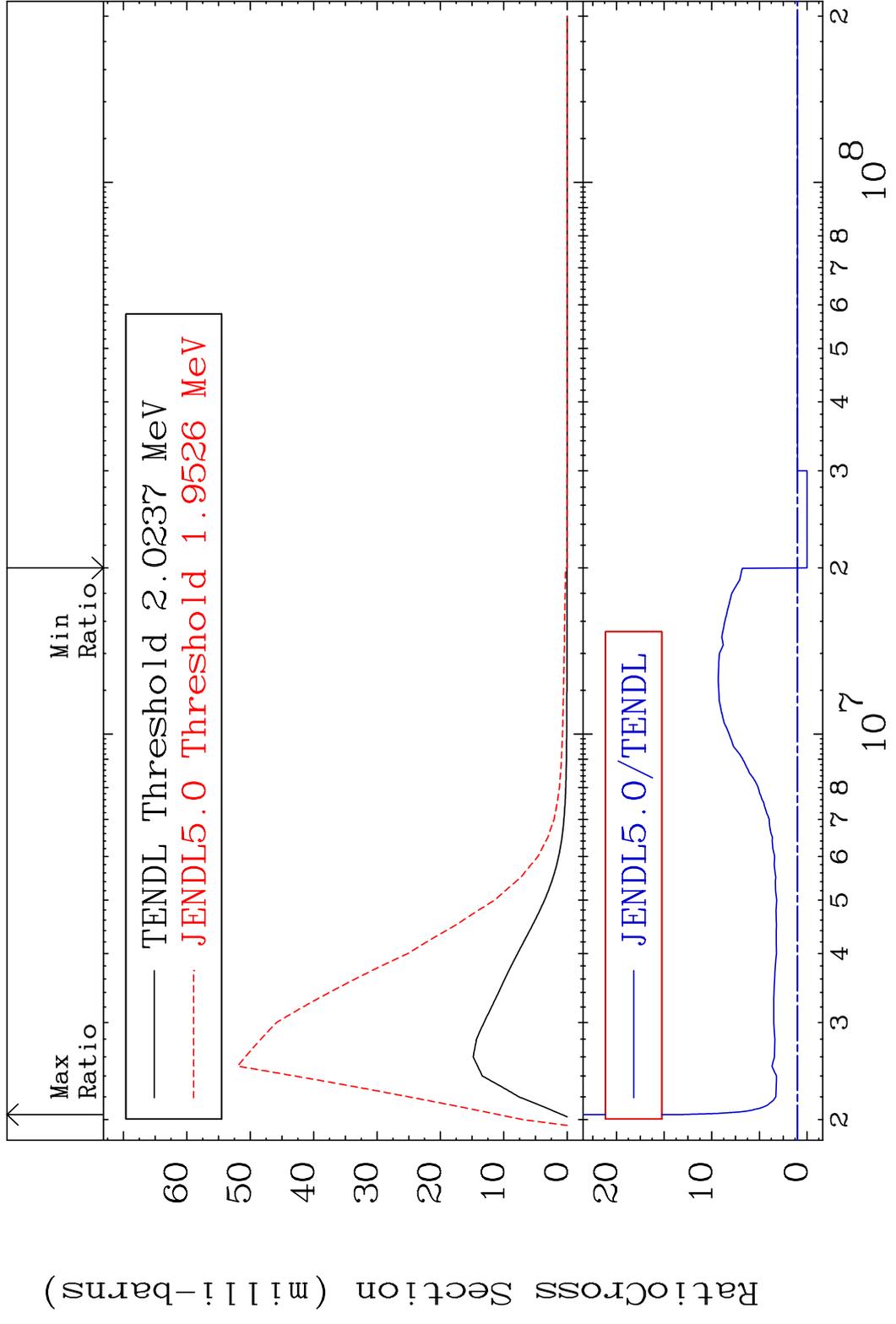
MAT 3725 MT= 74 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 550.0 %



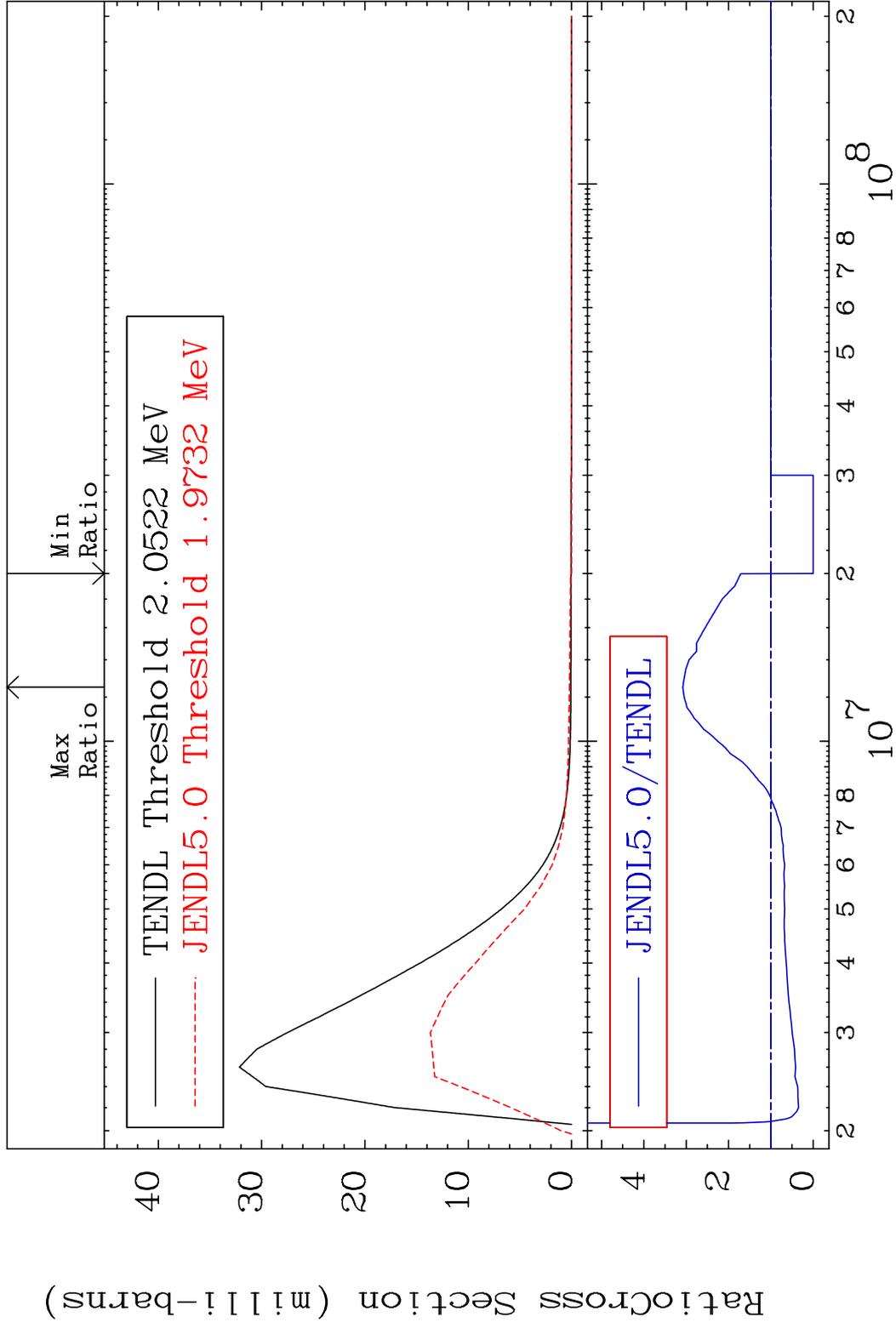
MAT 3725 MT= 75 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 9999. %



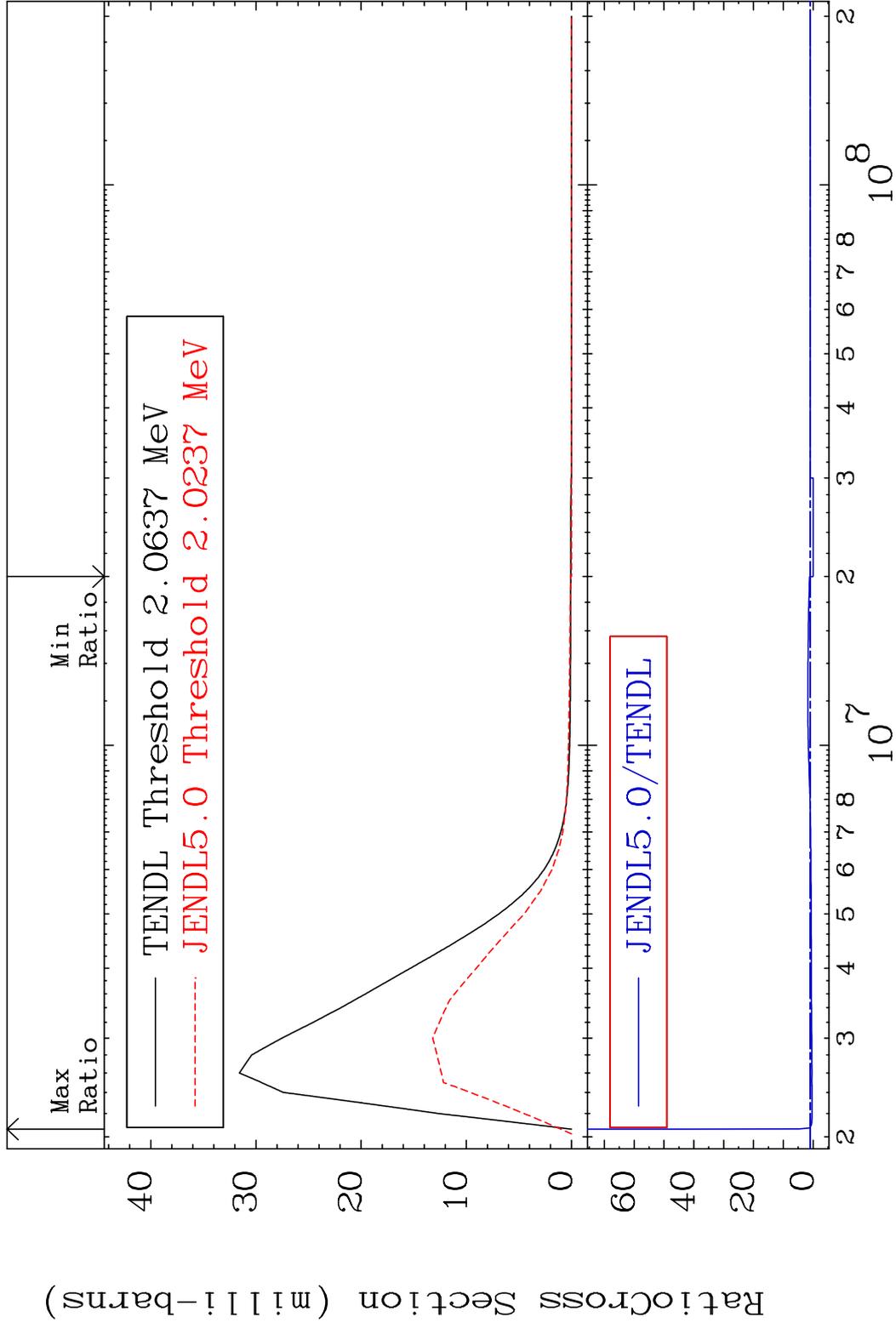
MAT 3725 MT= 76 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 1258. %



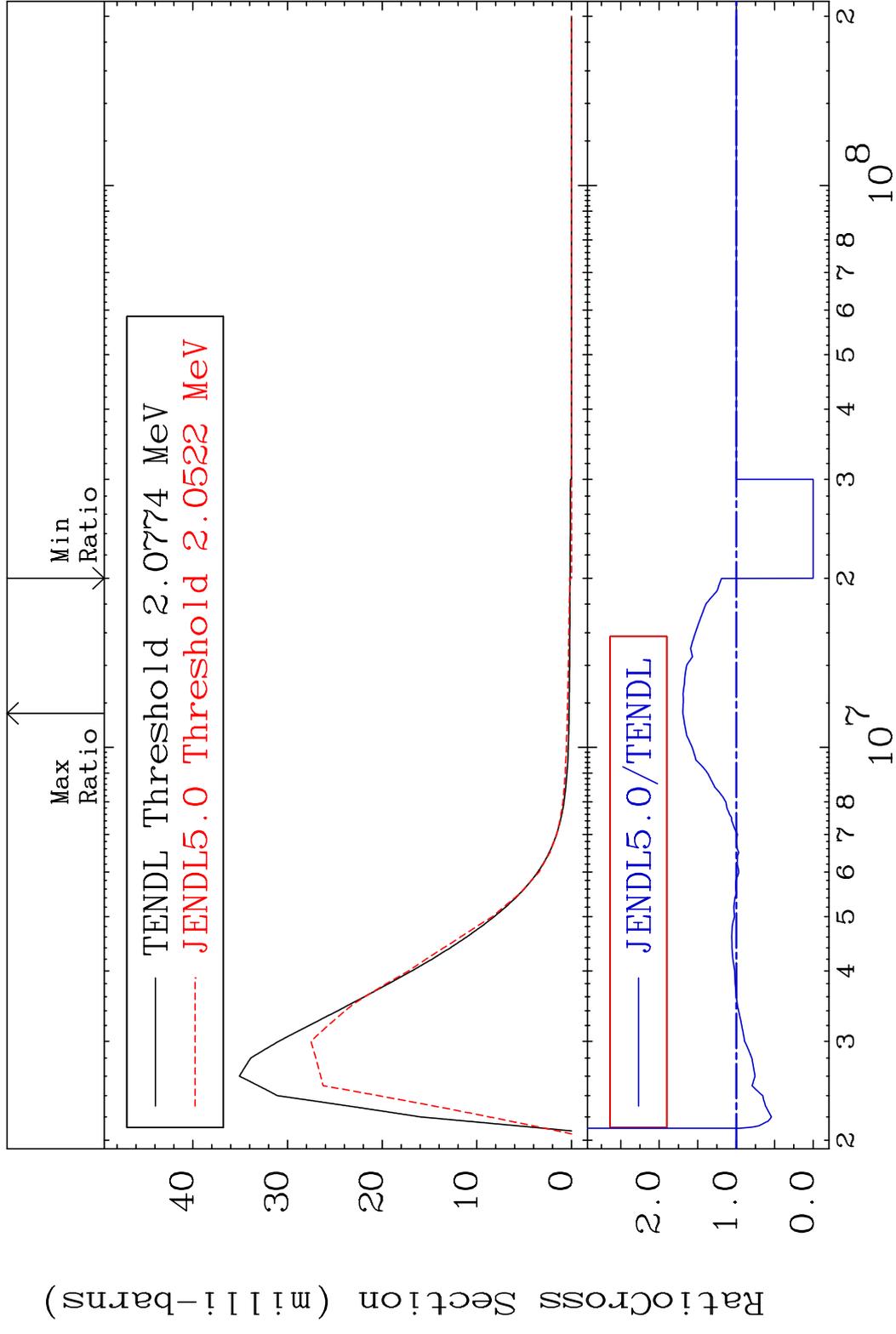
MAT 3725 MT= 77 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 207.9 %



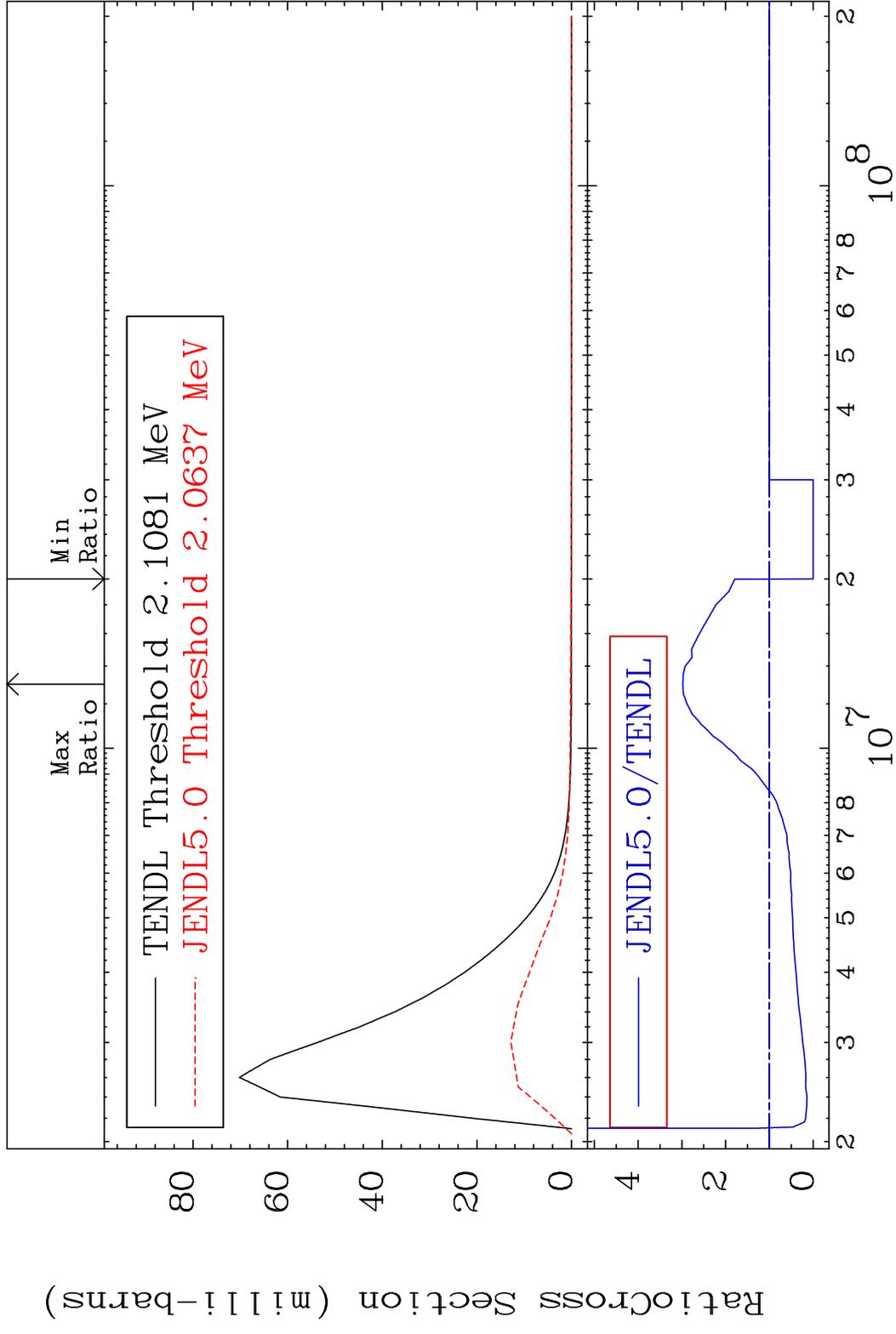
MAT 3725 MT= 78 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 4268. %



MAT 3725 MT= 79 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 69.30 %



MAT 3725 MT= 80 (n, n') Level 37-Rb-85
 Cross Section -100.0 To 197.7 %



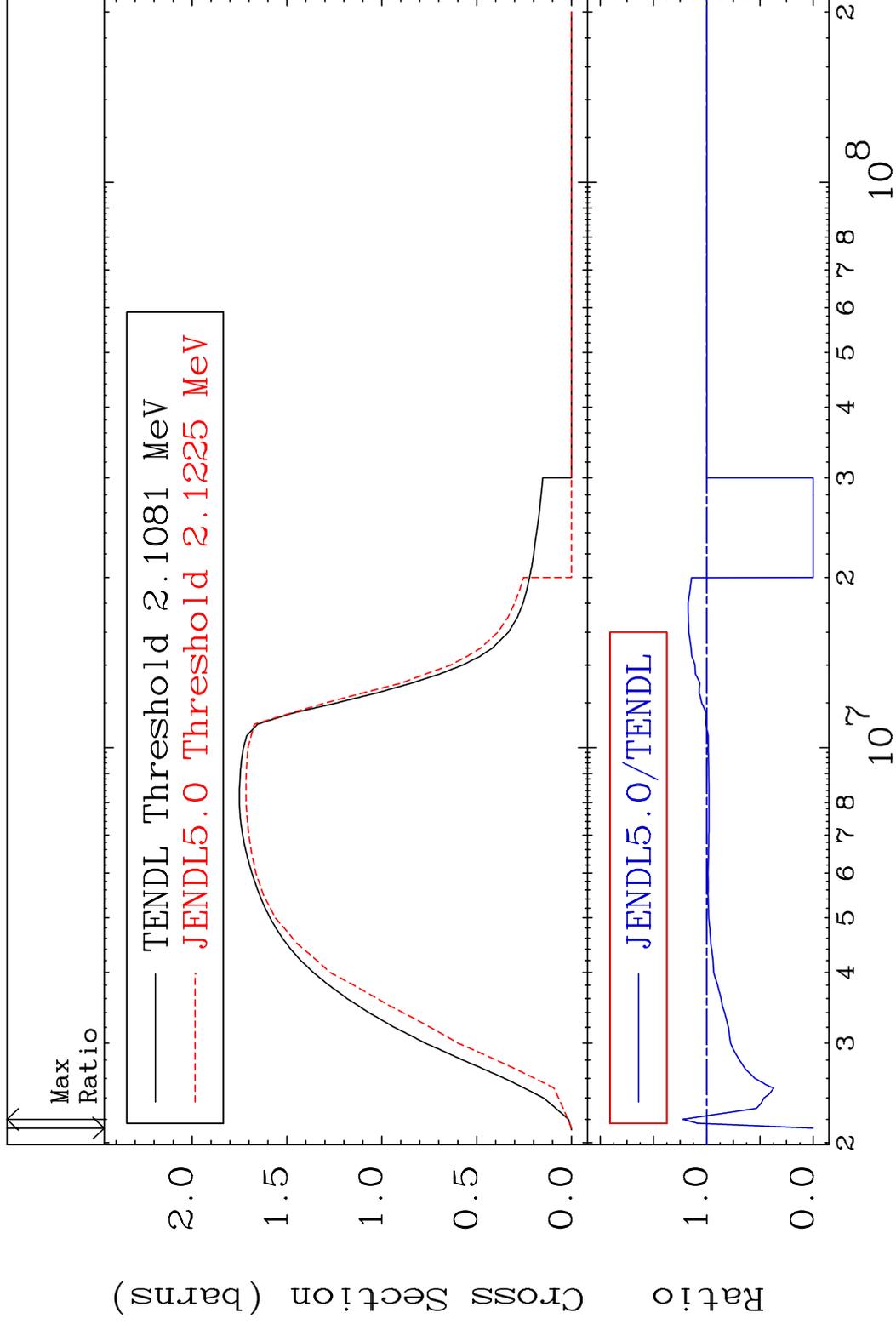
39 Incident Energy (eV) 37-Rb-85

MAT 3725

(n,n') Continuum

37-Rb-85

Cross Section -100.0 To 22.46 %



40

Incident Energy (eV)

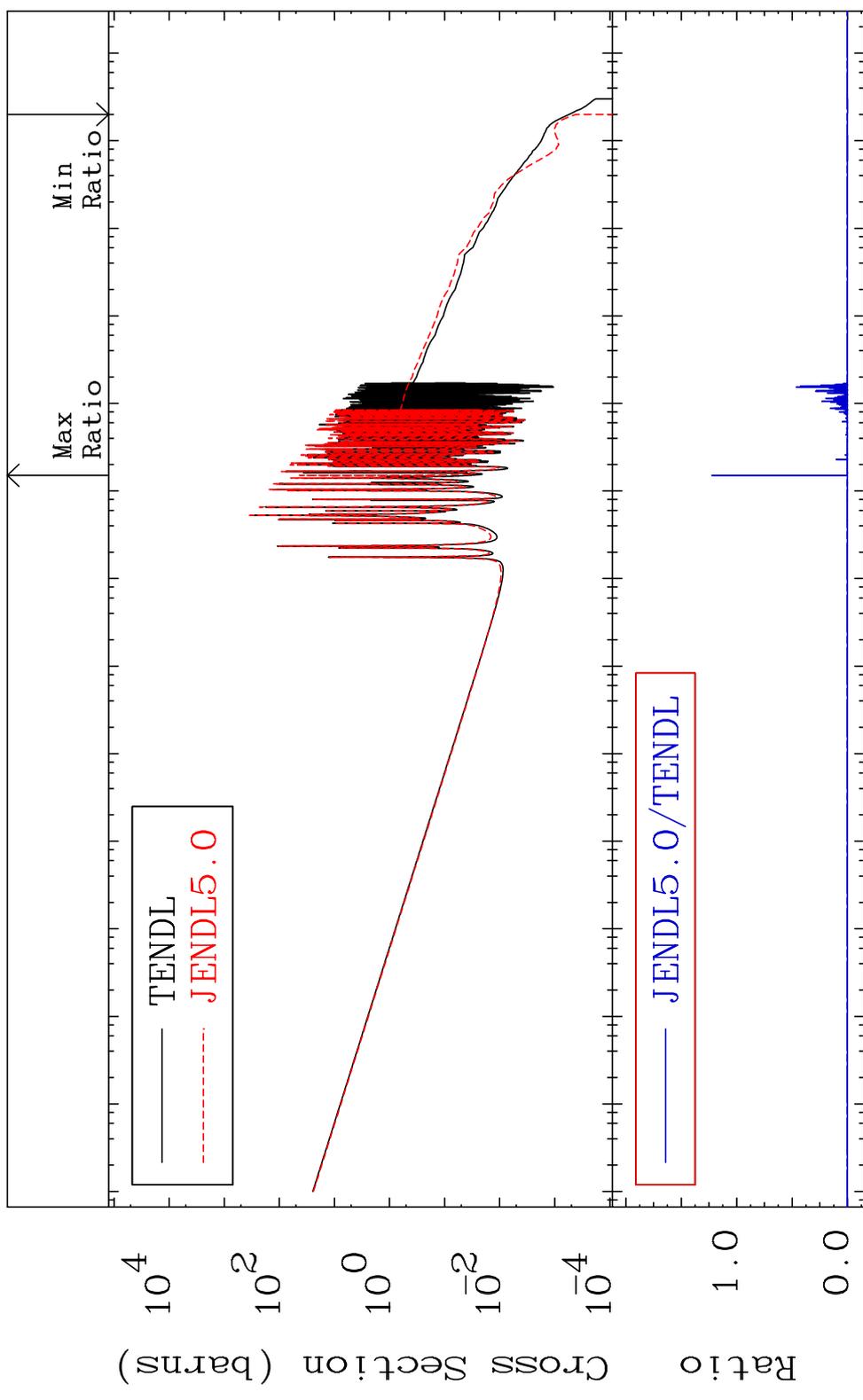
37-Rb-85

MAT 3725

(n, γ)

37-Rb-85

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

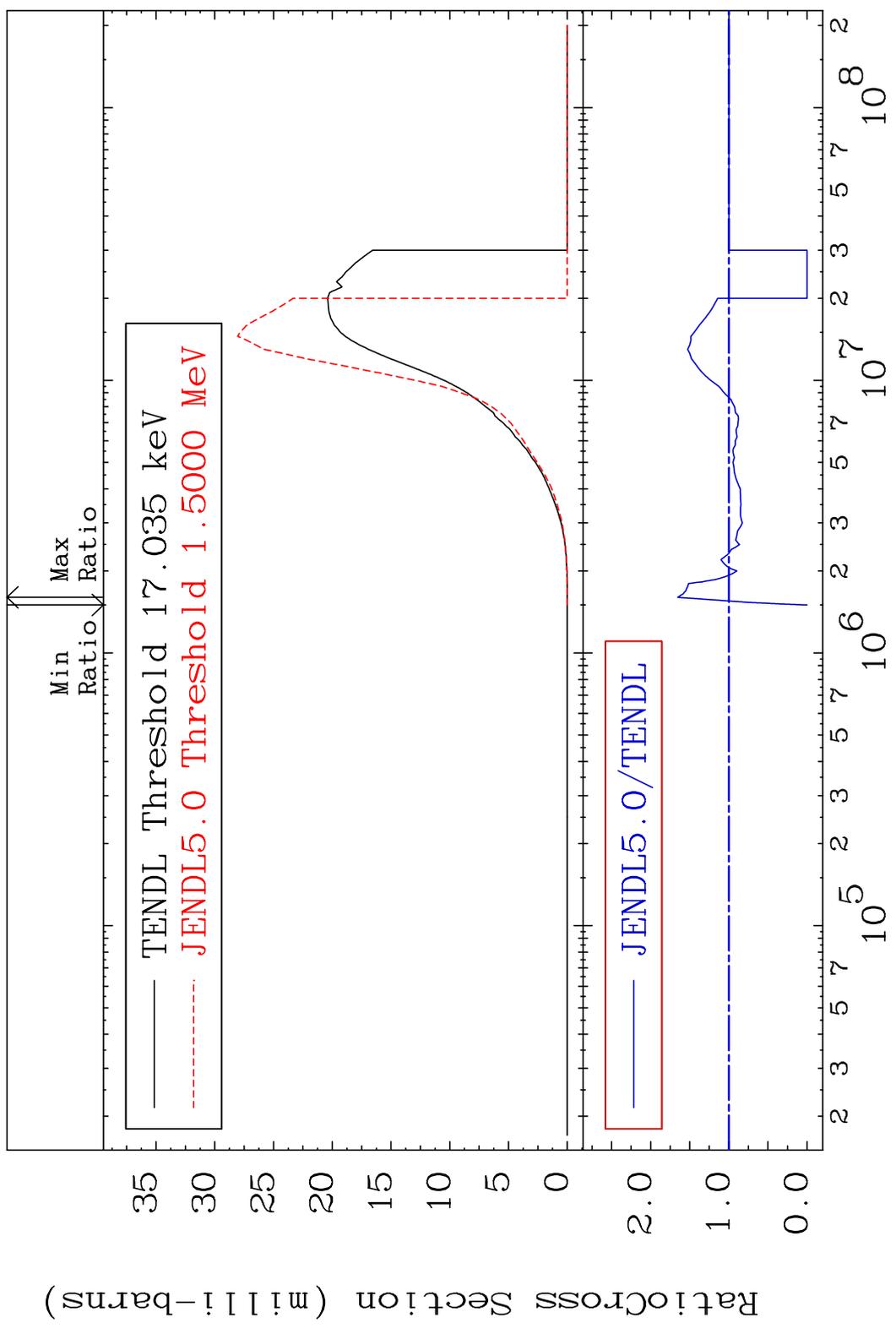
37-Rb-85

MAT 3725

(n, p)

37-Rb-85

Cross Section -100.0 To 65.47 %



42

Incident Energy (eV)

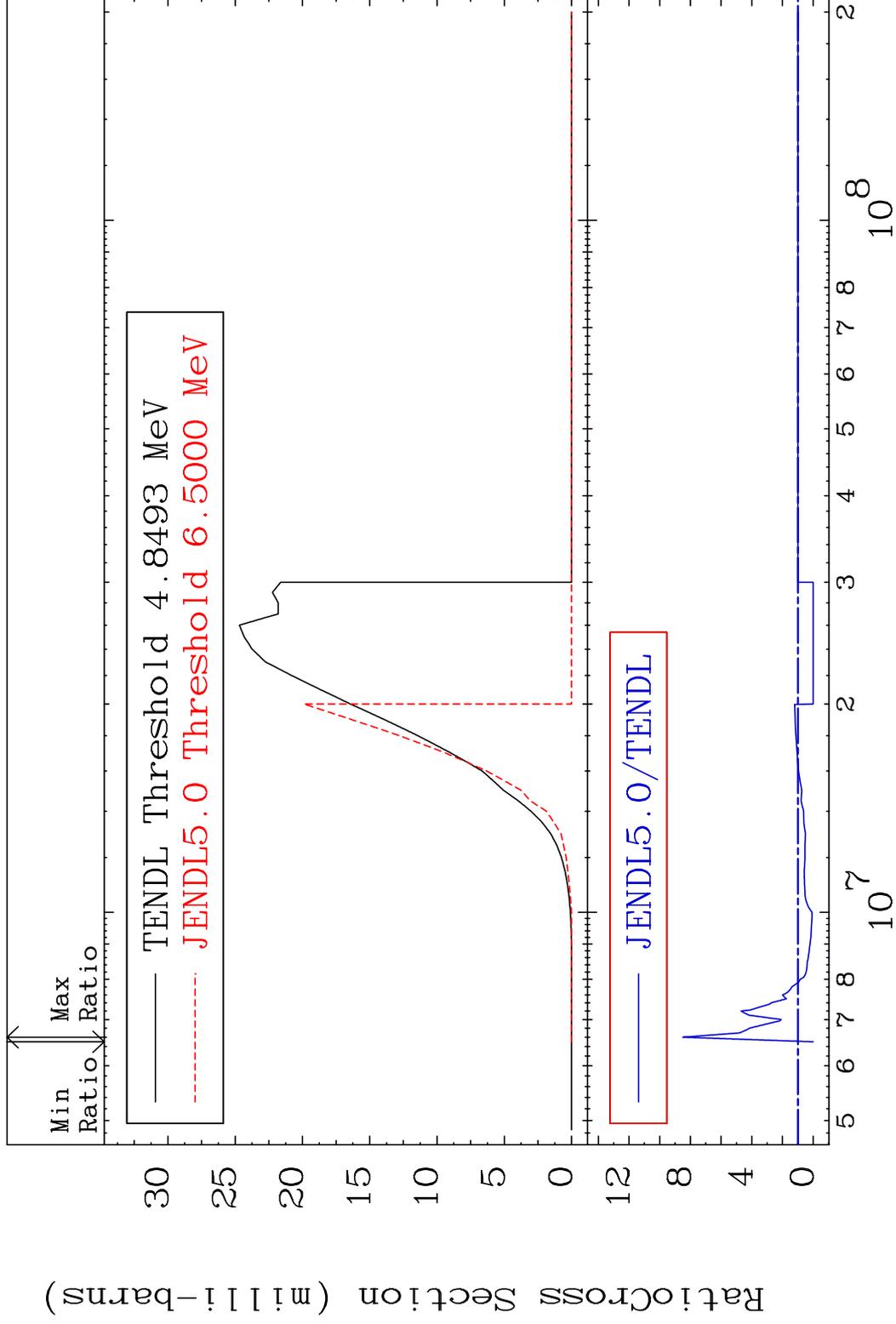
37-Rb-85

MAT 3725

(n, d)

37-Rb-85

Cross Section -100.0 To 749.3 %



43

Incident Energy (eV)

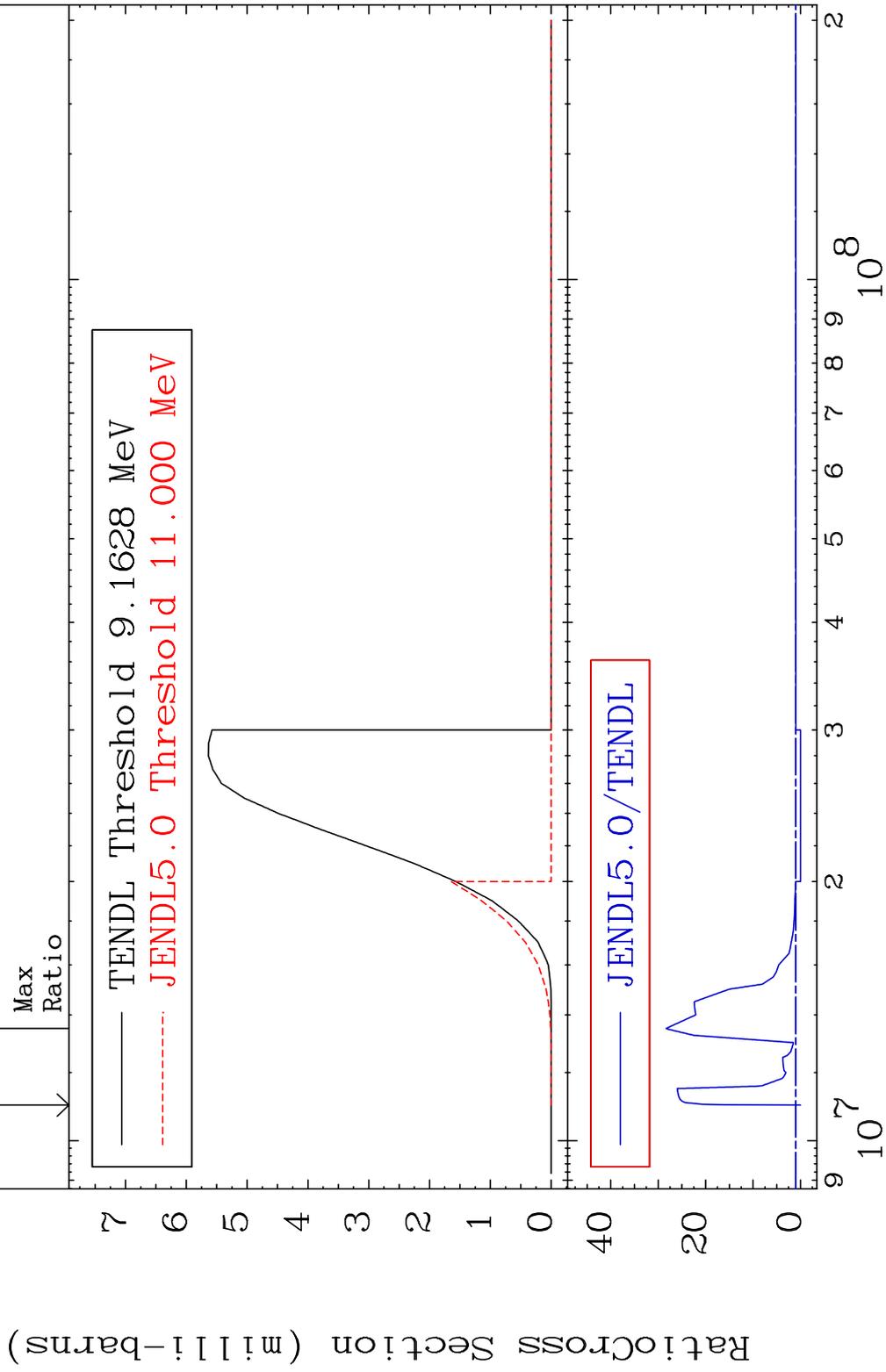
37-Rb-85

MAT 3725

(n, t)

37-Rb-85

Cross Section -100.0 To 2736. %



44

Incident Energy (eV)

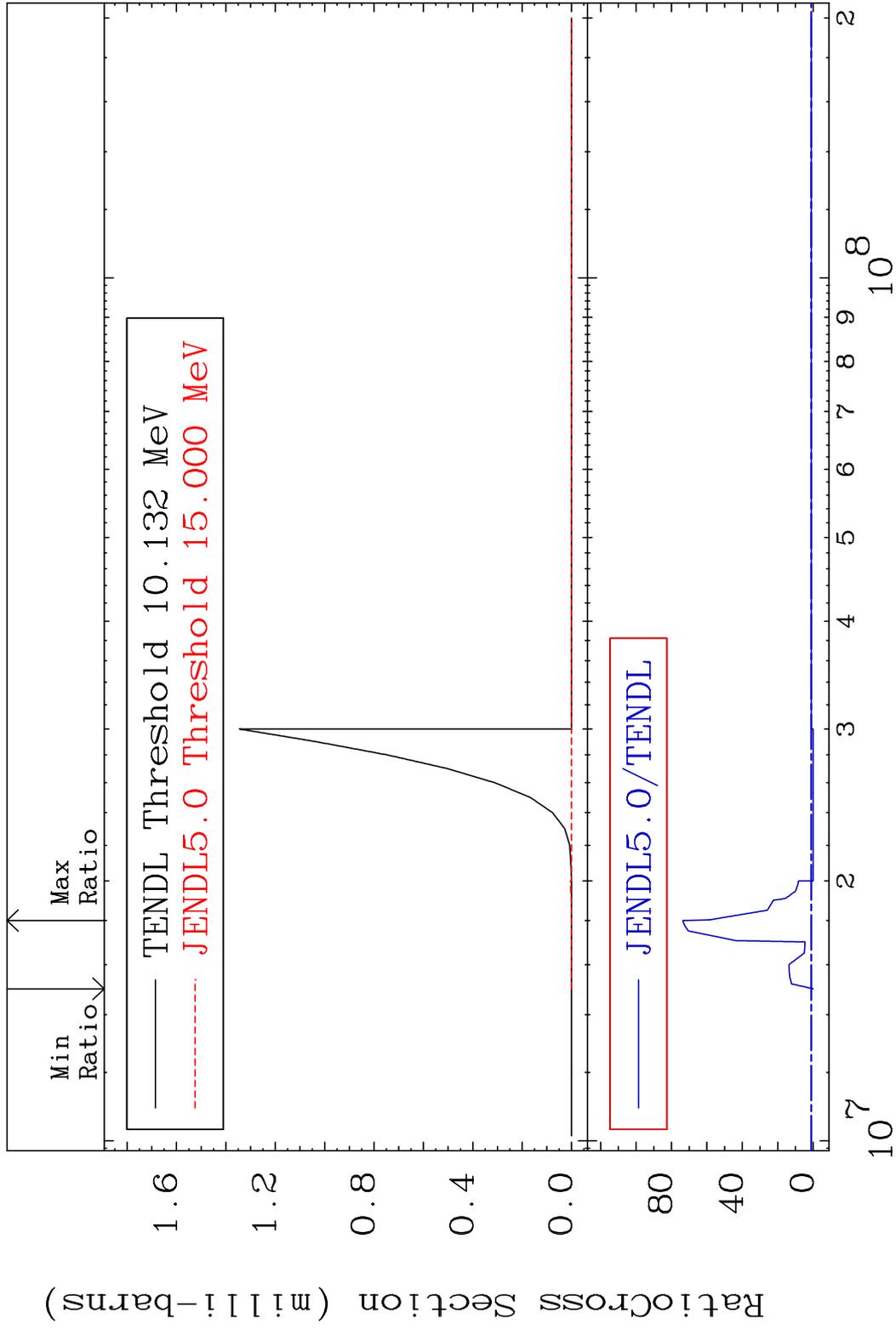
37-Rb-85

MAT 3725

(n, He-3)

37-Rb-85

Cross Section -100.0 To 7259. %



45

Incident Energy (eV)

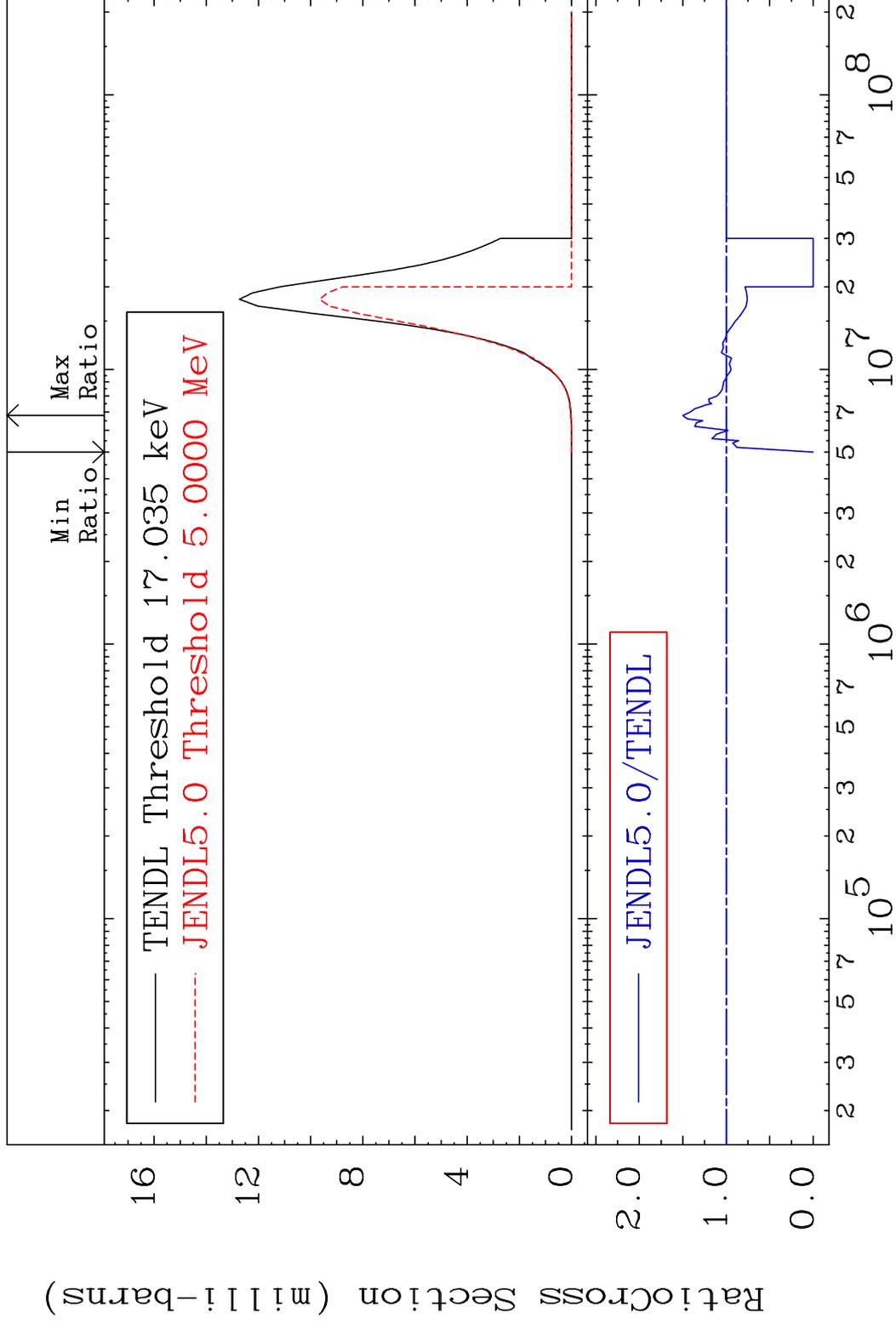
37-Rb-85

MAT 3725

(n, α)

37-Rb-85

Cross Section -100.0 To 49.97 %



46

Incident Energy (eV)

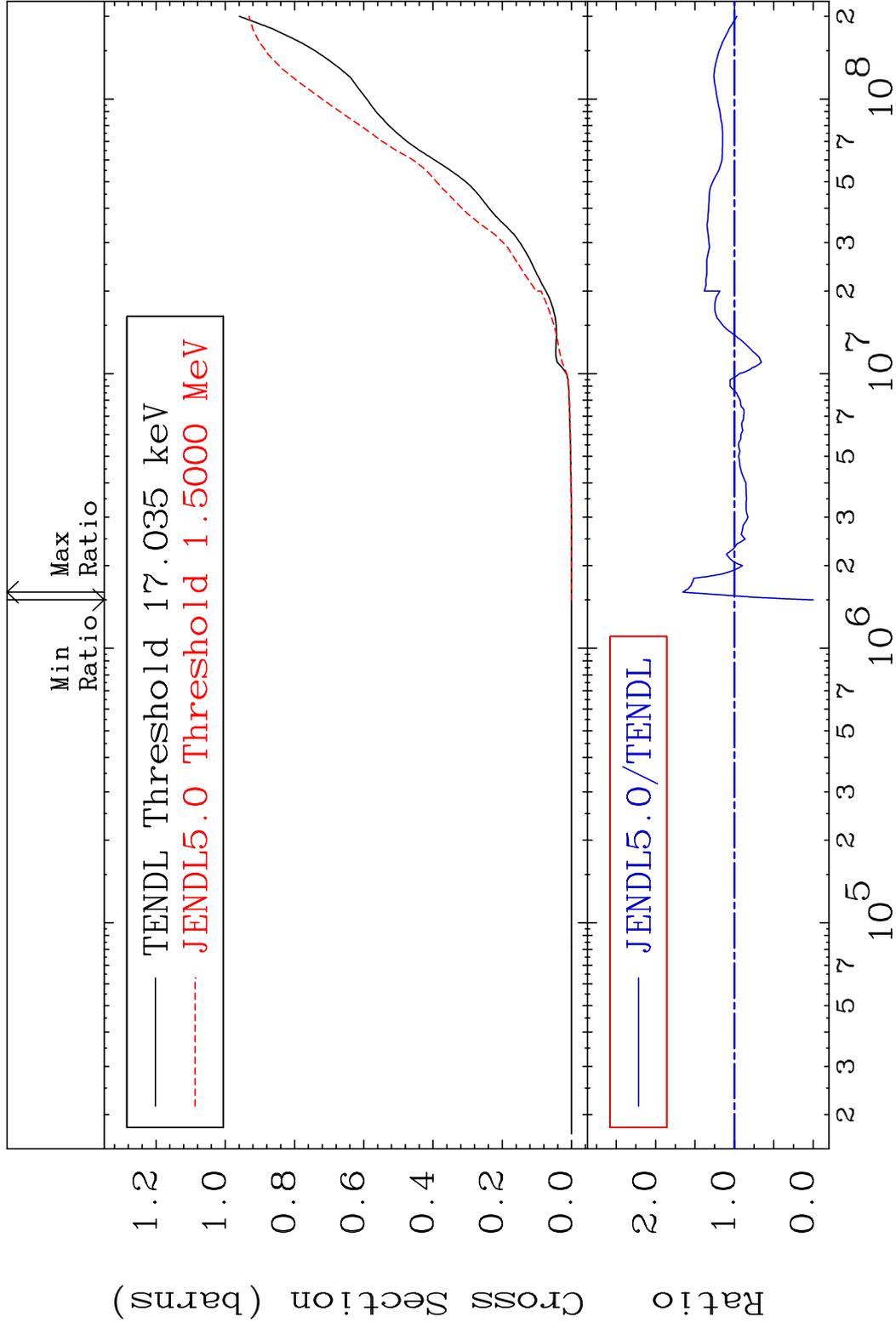
37-Rb-85

MAT 3725

Hydrogen Production

37-Rb-85

Cross Section -100.0 To 65.47 %



47

Incident Energy (eV)

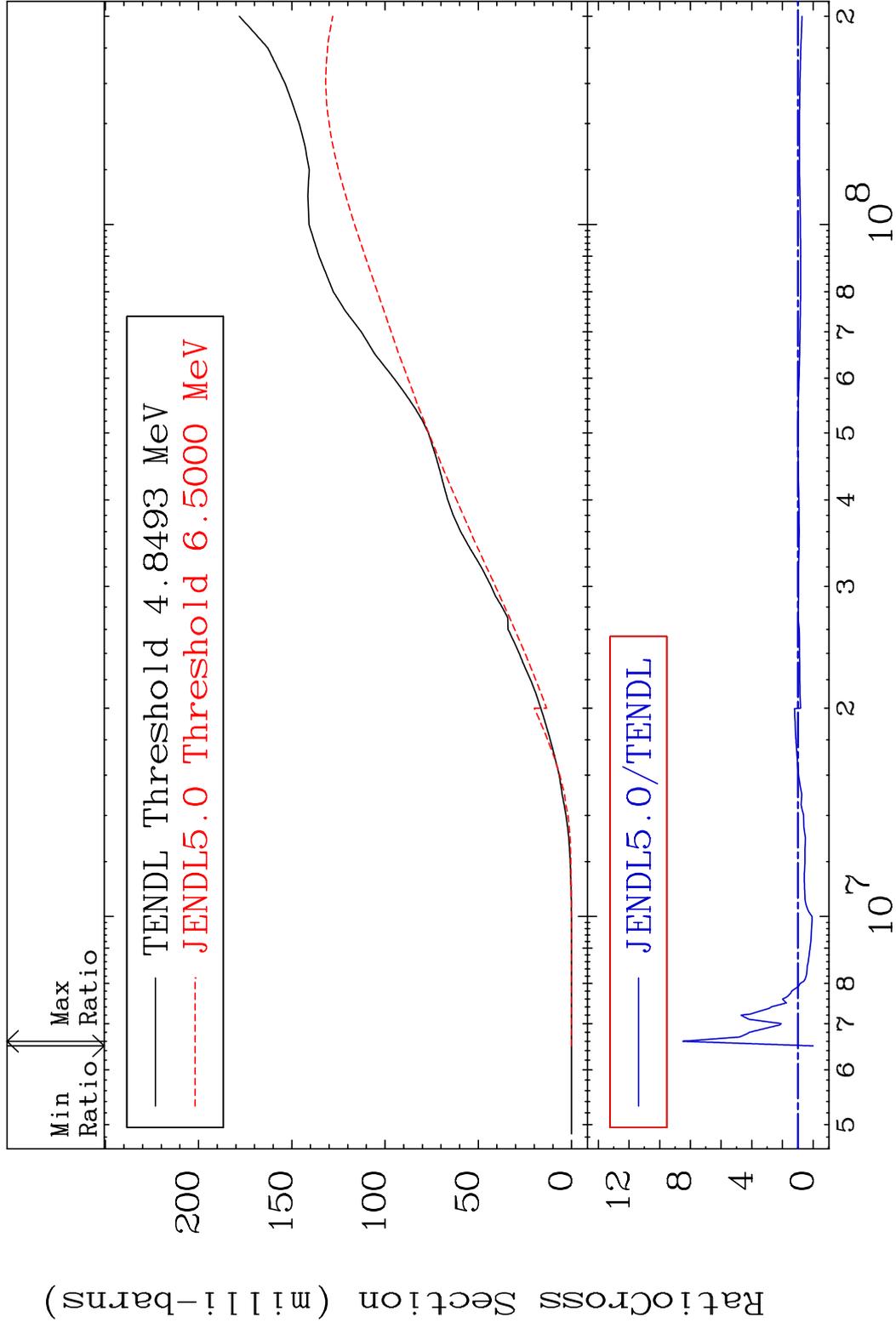
37-Rb-85

MAT 3725

Deuterium Production

37-Rb-85

Cross Section -100.0 To 749.3 %

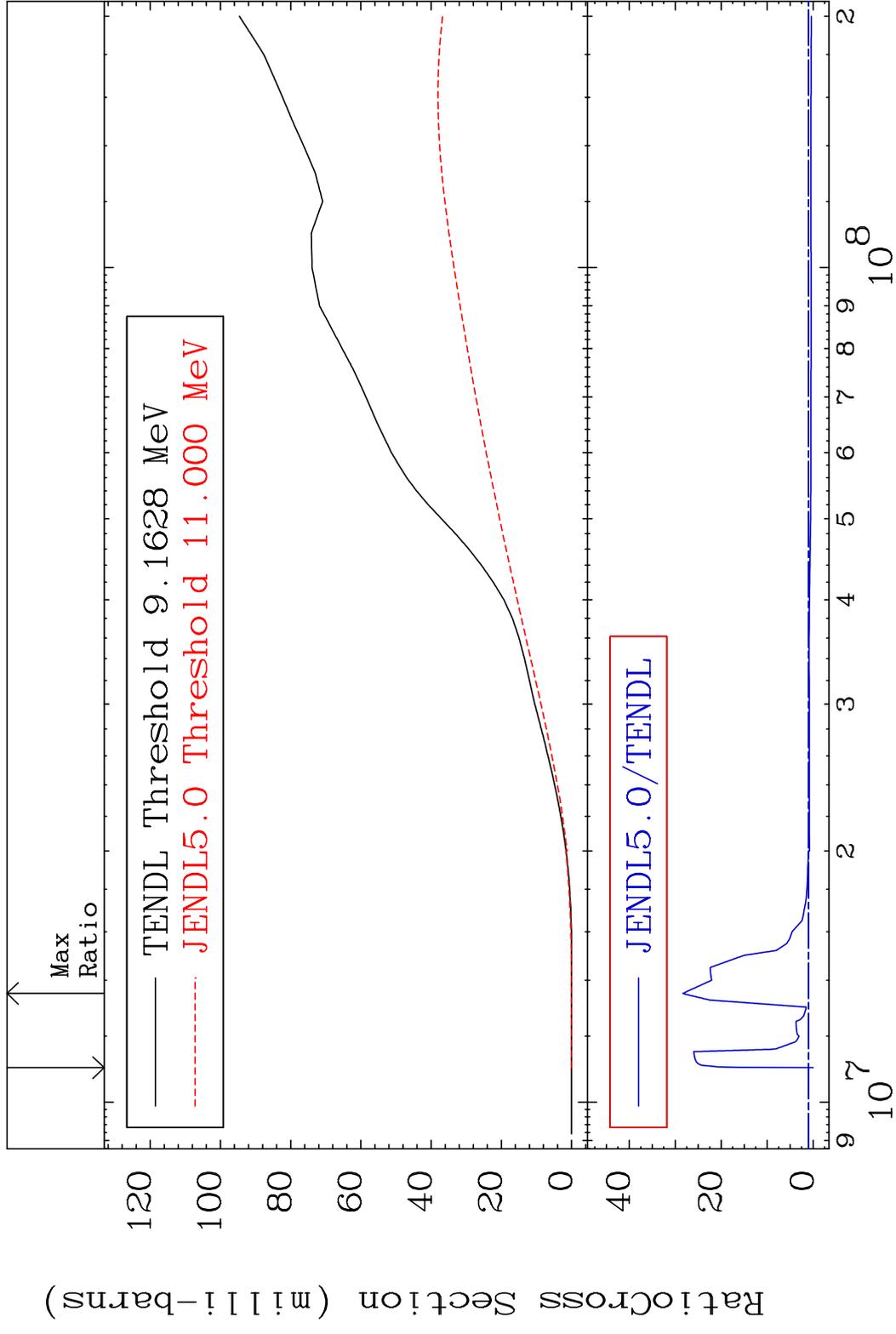


48

Incident Energy (eV)

37-Rb-85

MAT 3725 Tritium Production 37-Rb-85
 Cross Section -100.0 To 2736. %



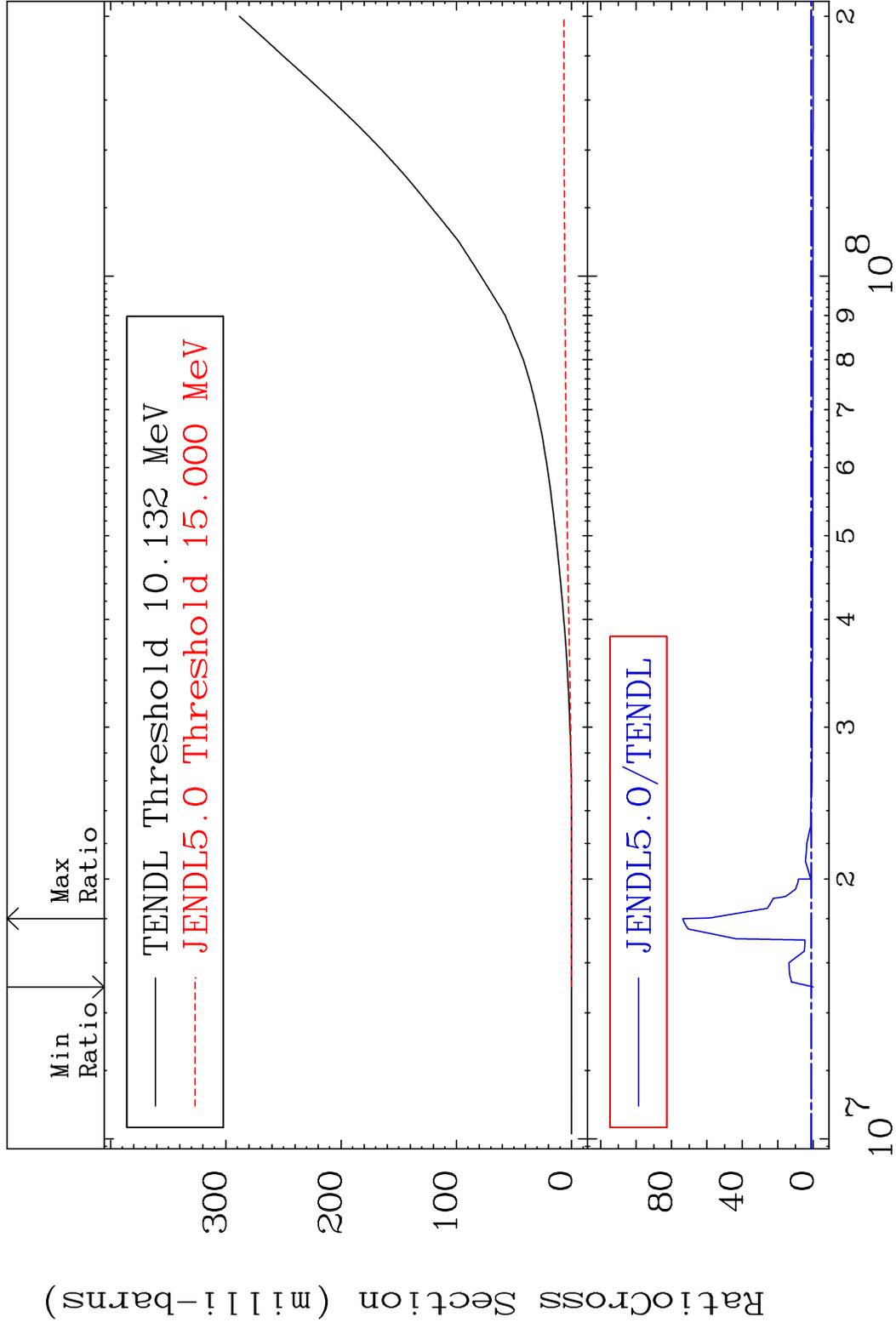
49 Incident Energy (eV) 37-Rb-85

MAT 3725

He-3 Production

37-Rb-85

Cross Section -100.0 To 7259. %



50

Incident Energy (eV)

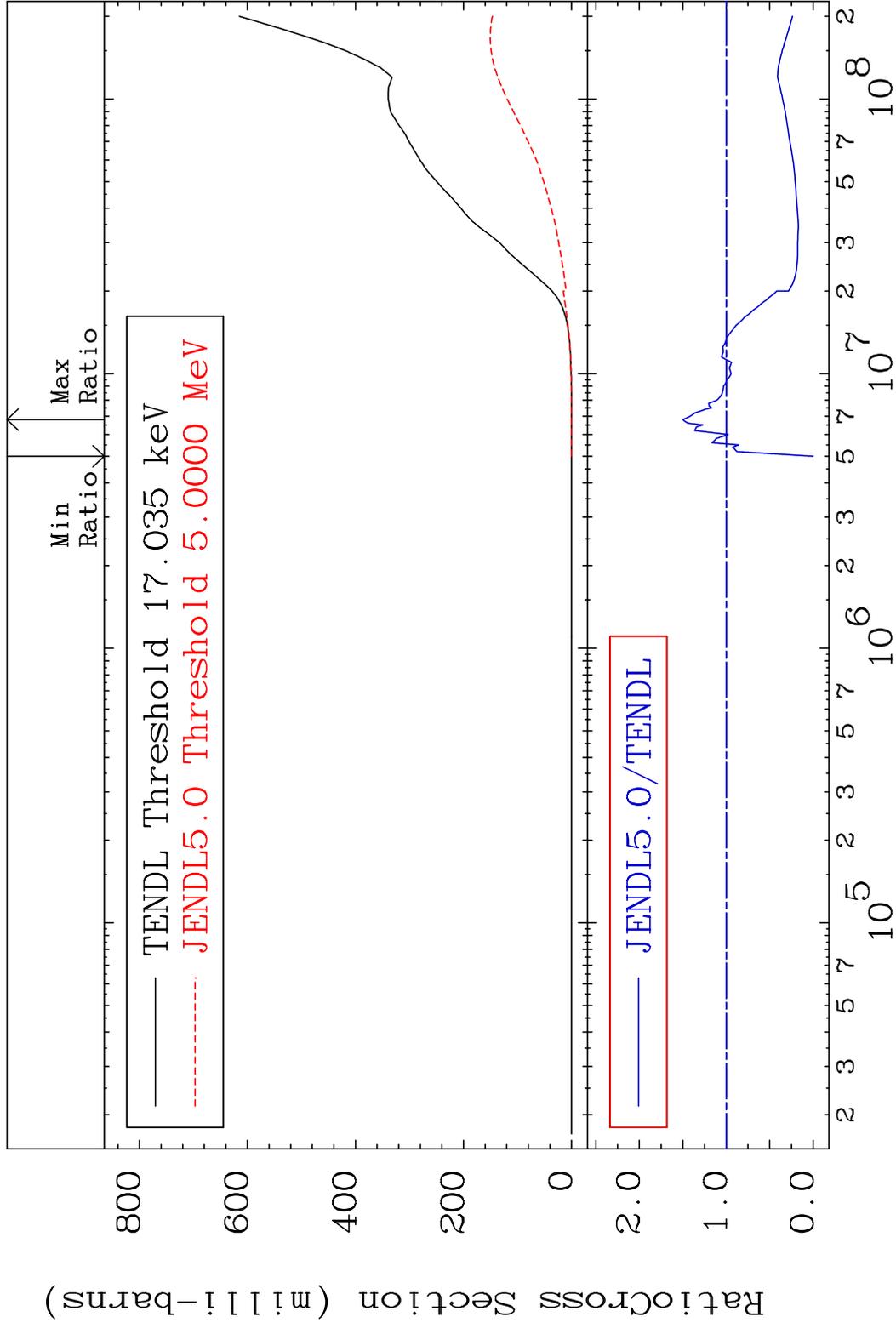
37-Rb-85

MAT 3725

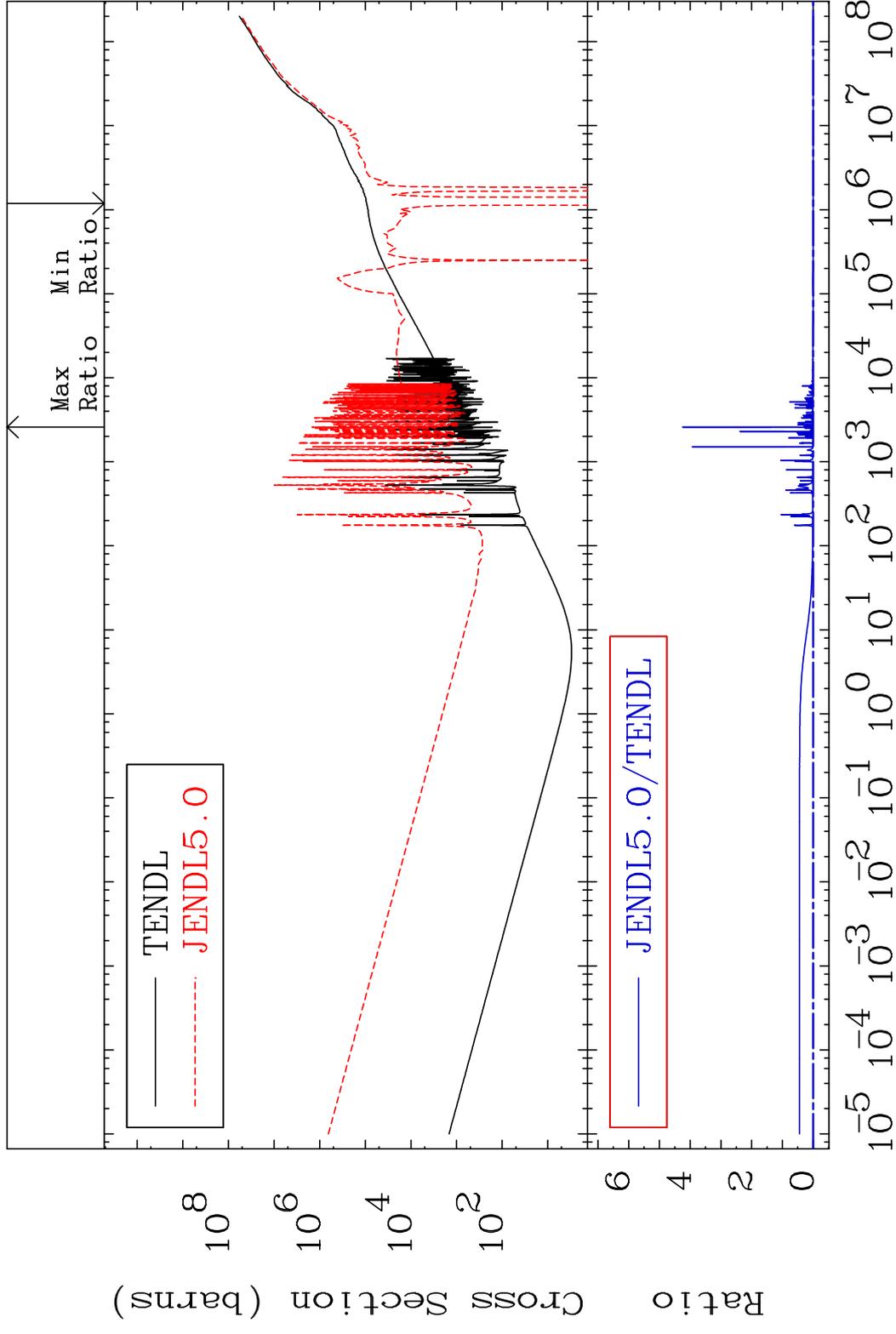
He-4 Production

37-Rb-85

Cross Section -100.0 To 49.97 %



MAT 3725 Kerma total (eV-barns) 37-Rb-85
 Cross Section -108.8 To 9999. %

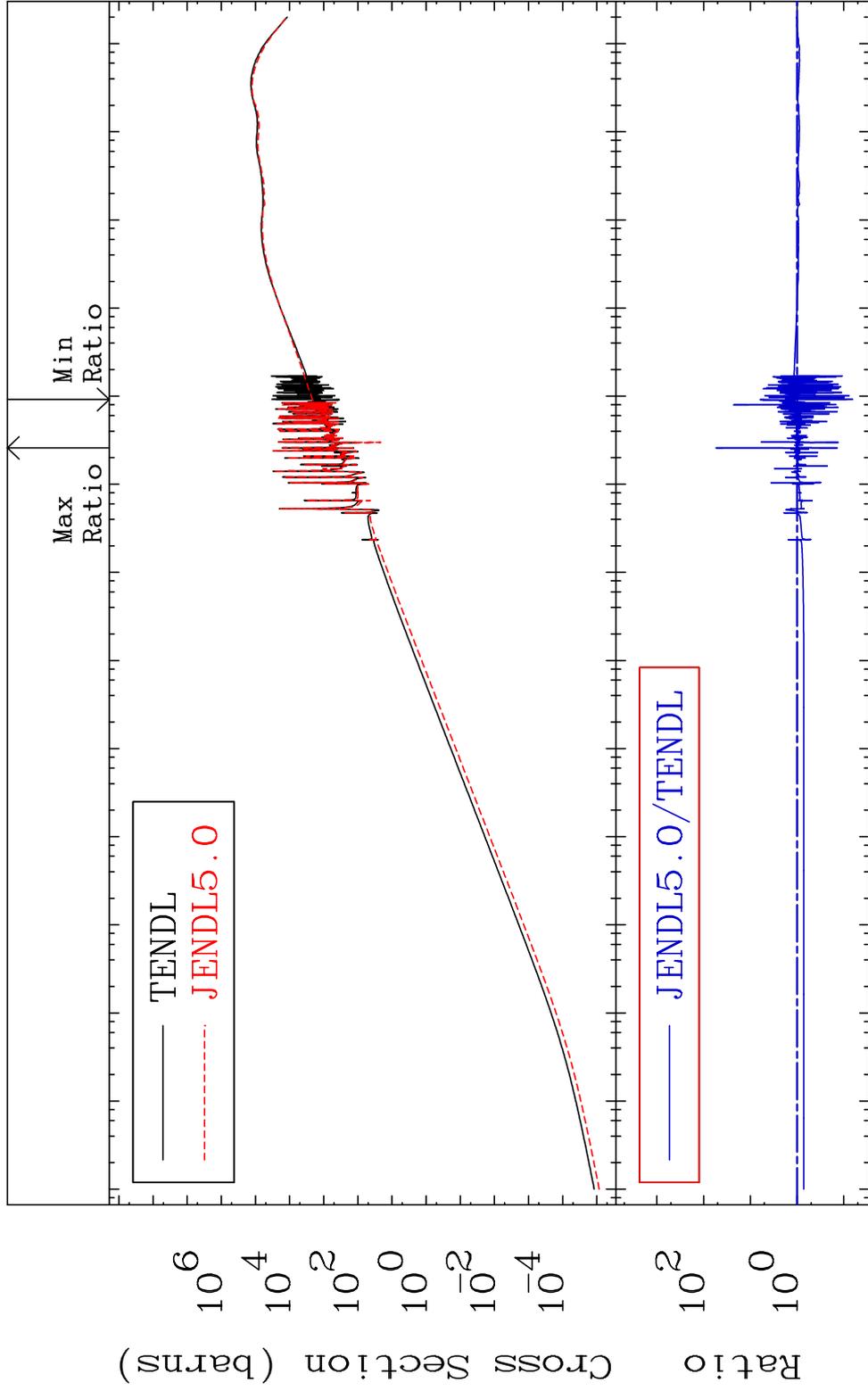


52 Incident Energy (eV) 37-Rb-85

MAT 3725

Kerma elastic Cross Section -93.53 To 5357. %

37-Rb-85



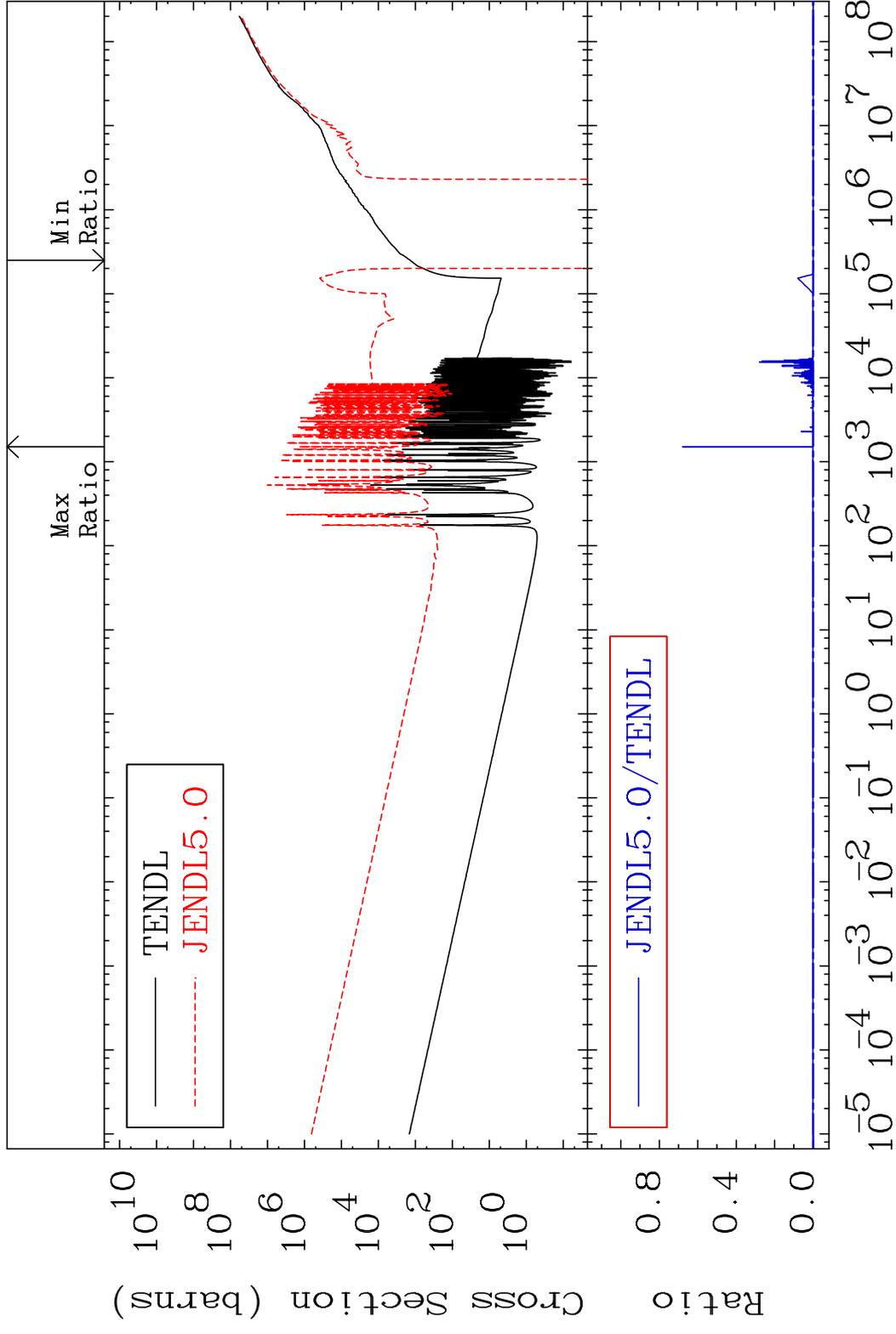
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

53

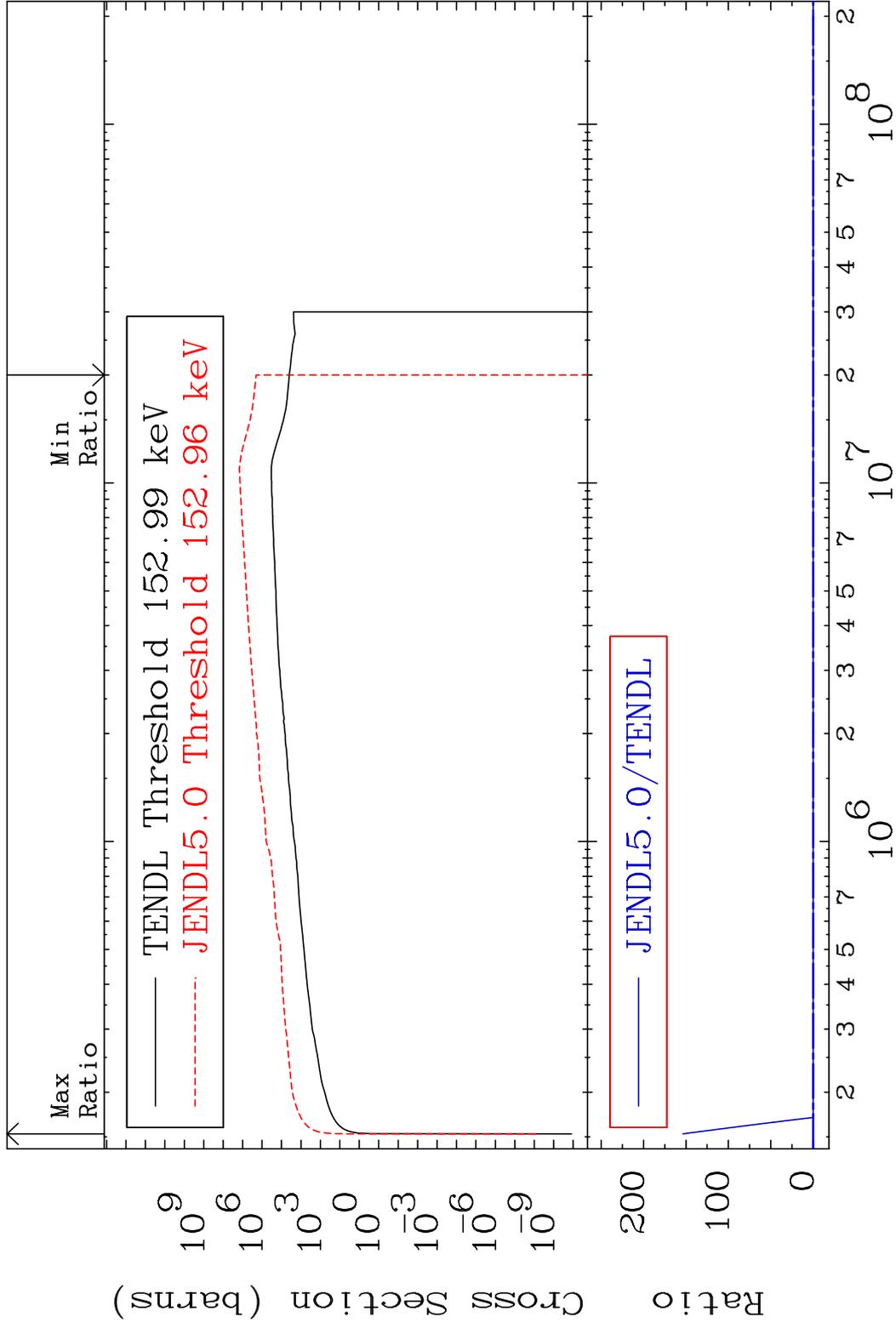
Incident Energy (eV)

37-Rb-85

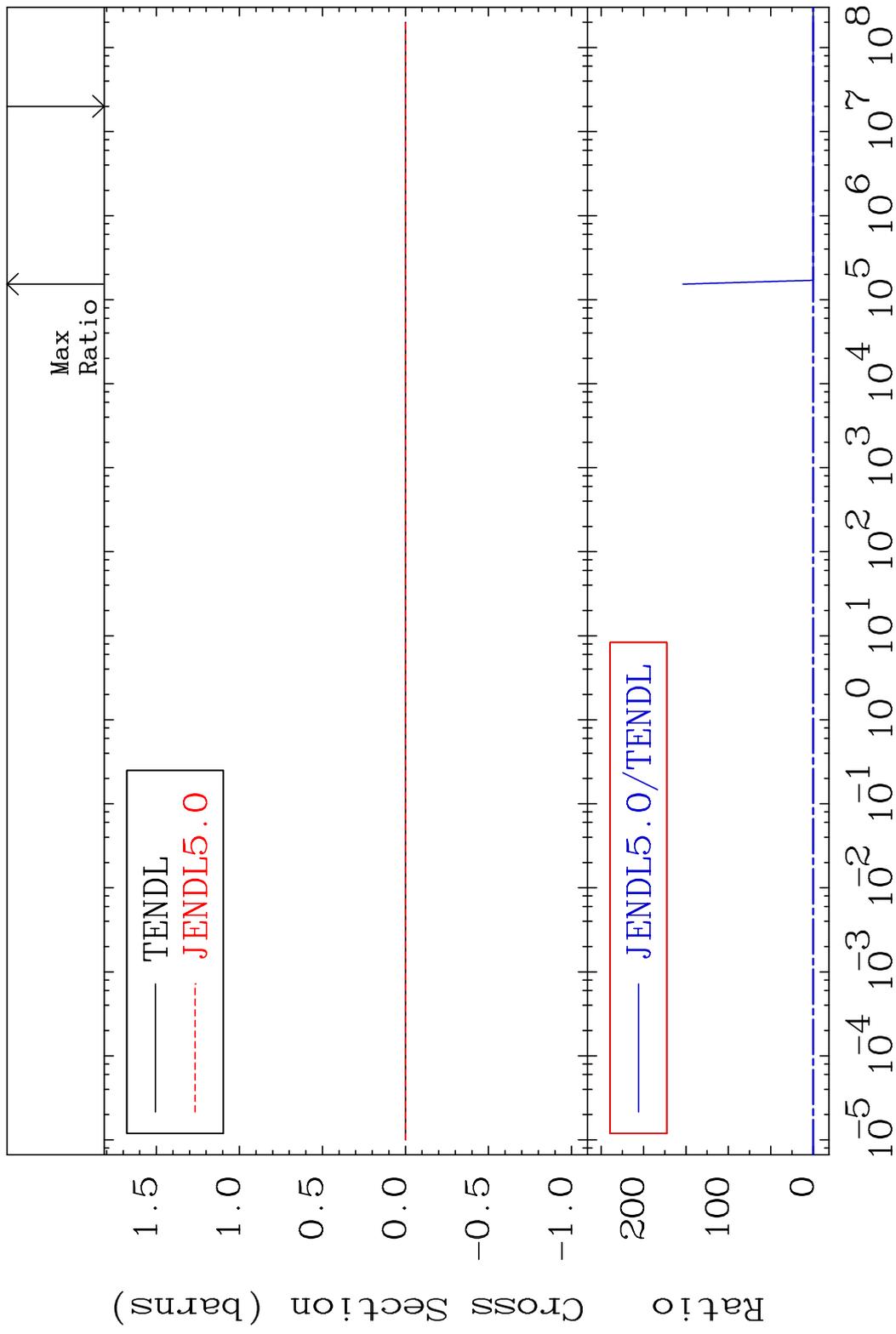
MAT 3725 Kerma non-elastic (all but mt2) 37-Rb-85
 Cross Section -3065. To 9999. %



MAT 3725 Kerma inelastic (mt51-91) 37-Rb-85
 Cross Section -100.0 To 9999. %

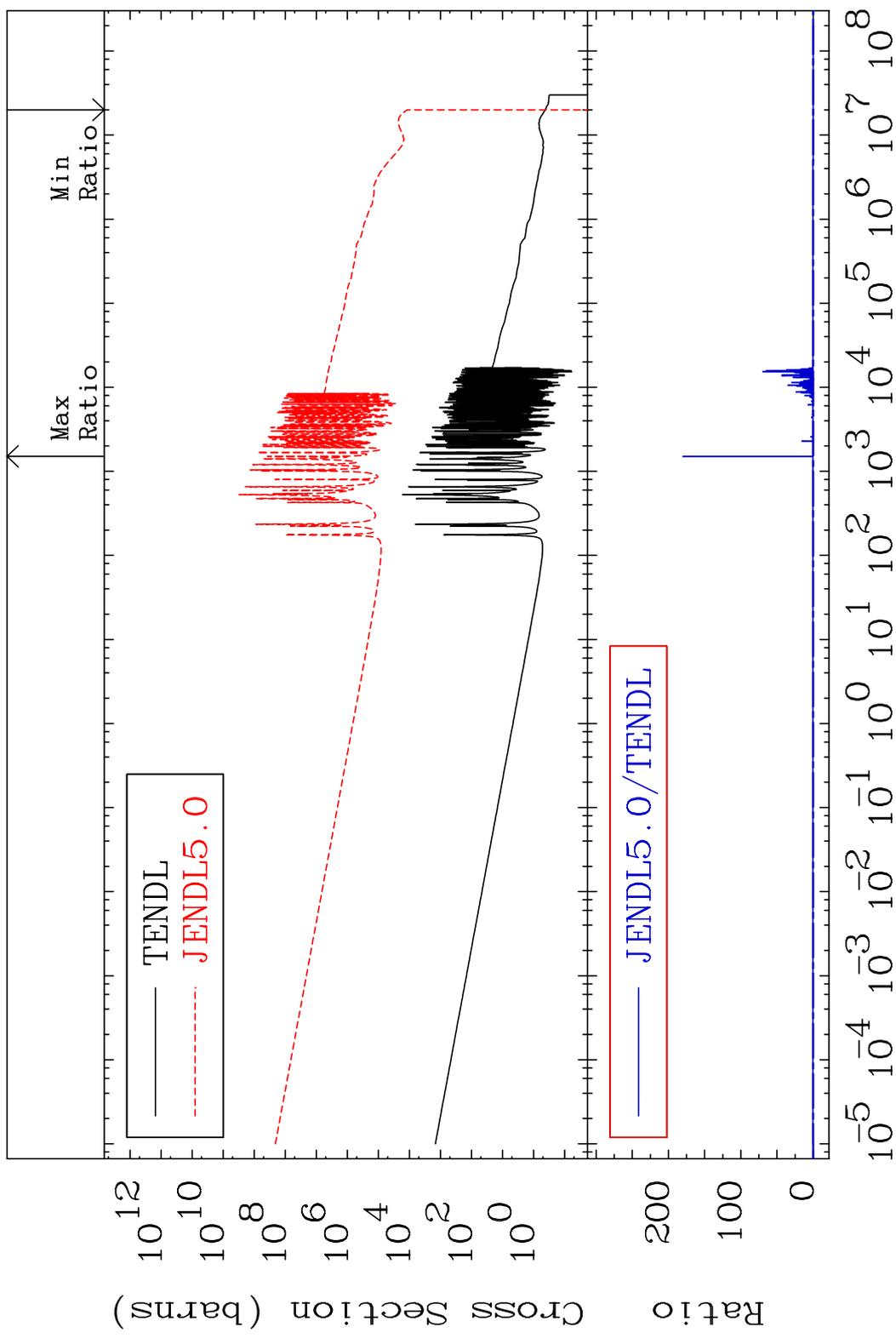


MAT 3725 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-85
 Cross Section -100.0 To 9999. %



MAT 3725

Kerma capture (mt102) 37-Rb-85
Cross Section -100.0 To 9999. %

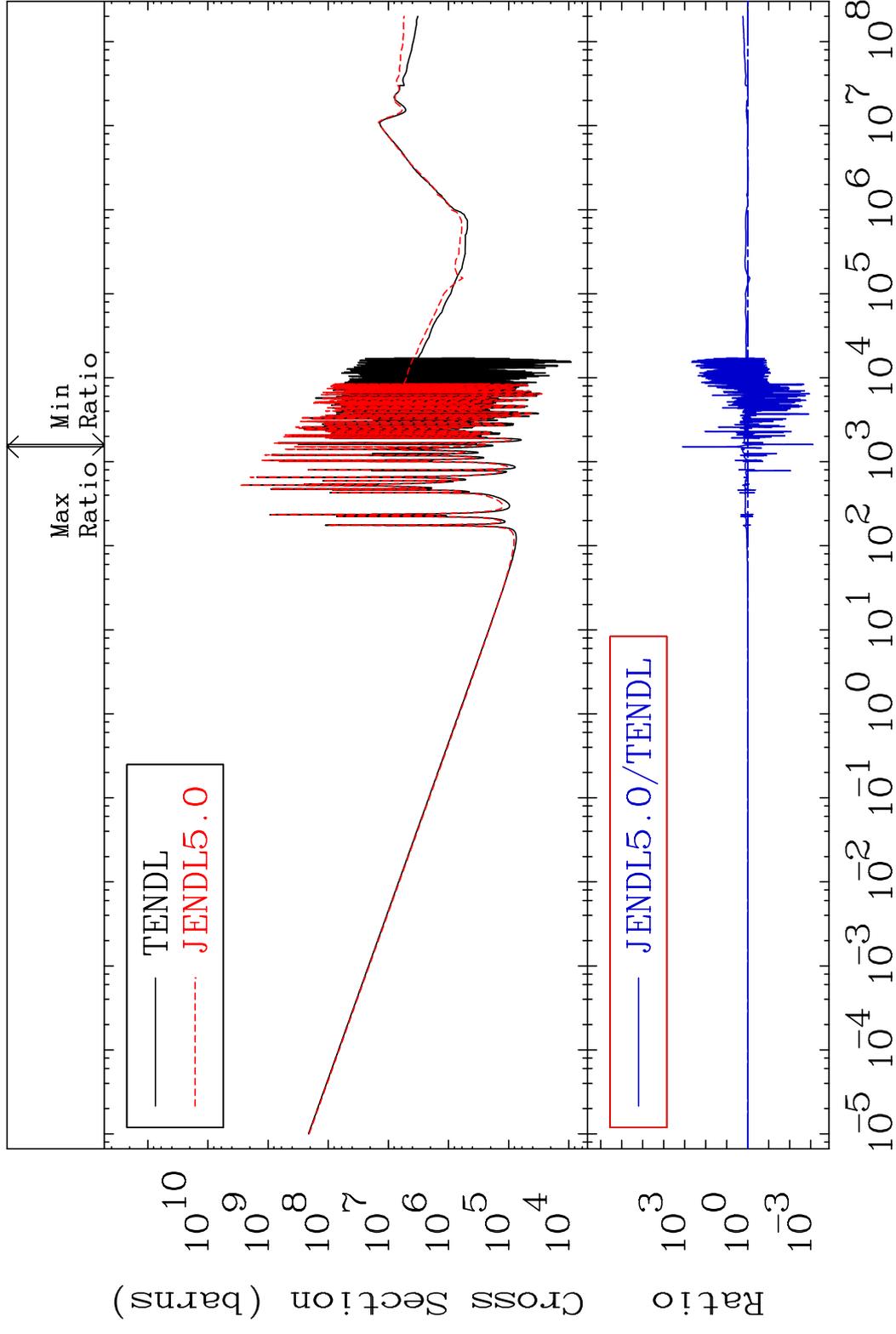


57

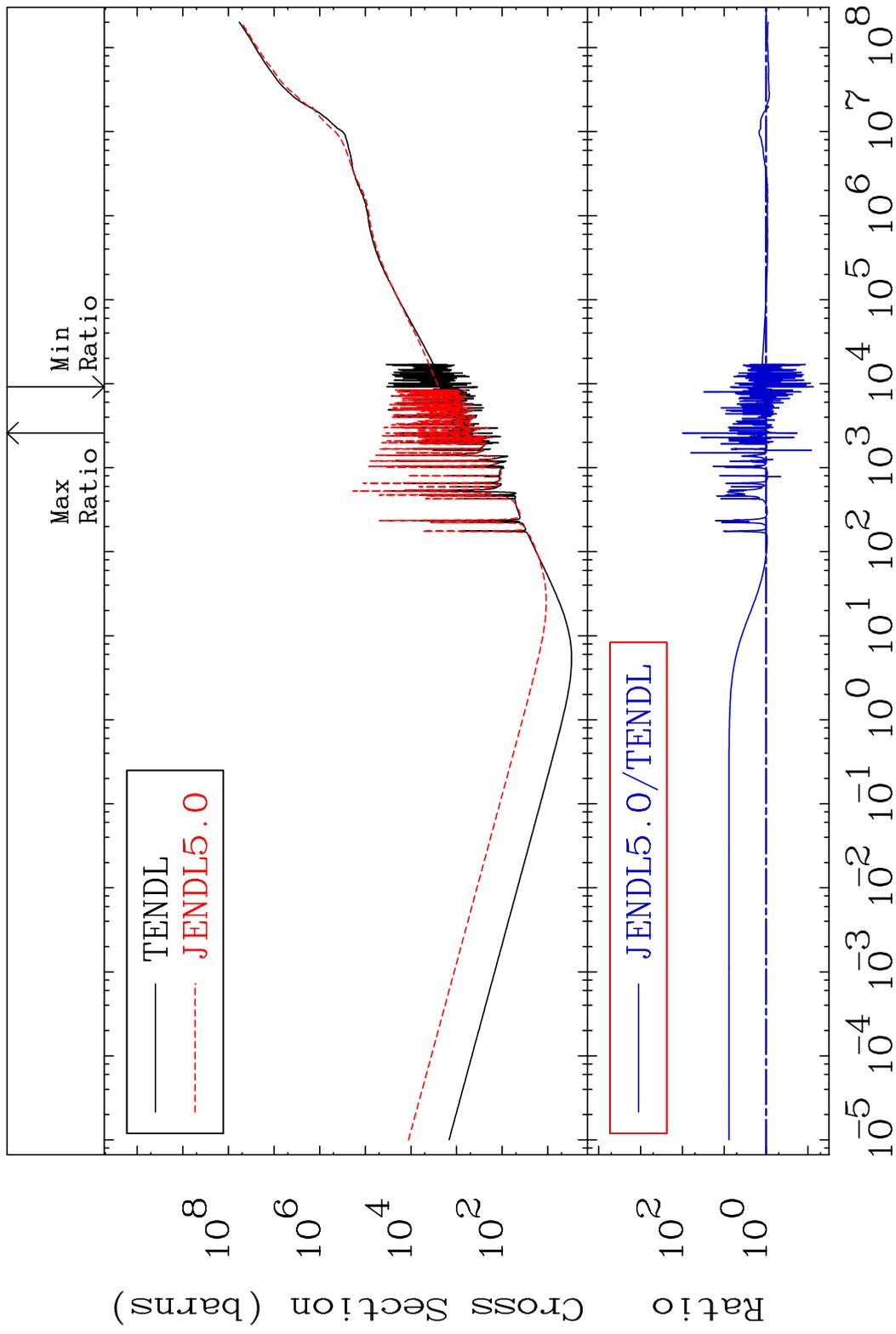
Incident Energy (eV)

37-Rb-85

MAT 3725 Total photon (eV-barns) 37-Rb-85
 Cross Section -99.92 To 9999. %

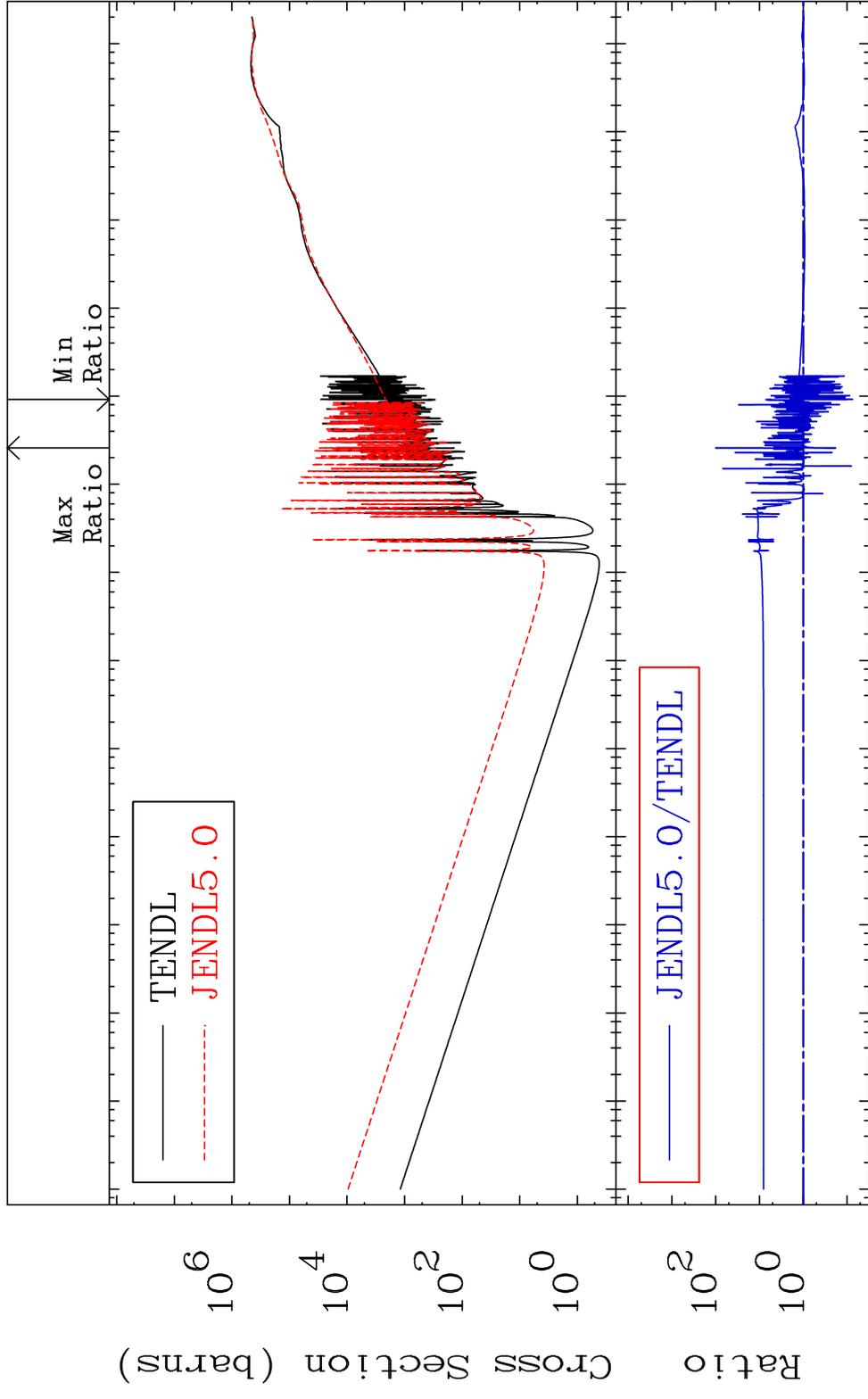


MAT 3725 Total kinematic kerma (high limit) 37-Rb-85
 Cross Section -92.51 To 9655. %



MAT 3725

Dpa total (eV-barns) 37-Rb-85
Cross Section -92.52 To 9784. %



60

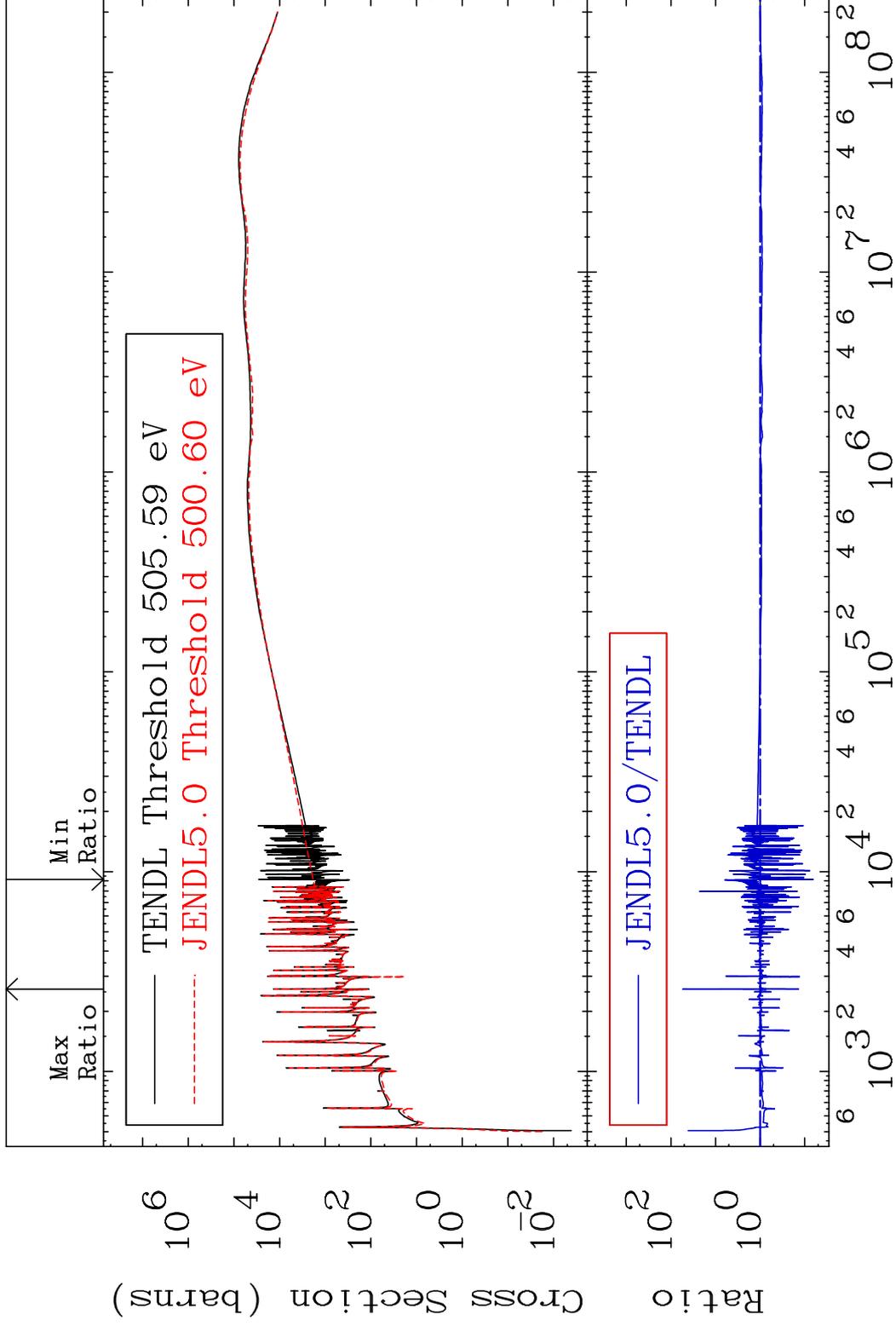
Incident Energy (eV) 37-Rb-85

MAT 3725

Dpa elastic (mt2)

37-Rb-85

Cross Section -93.53 To 5357. %

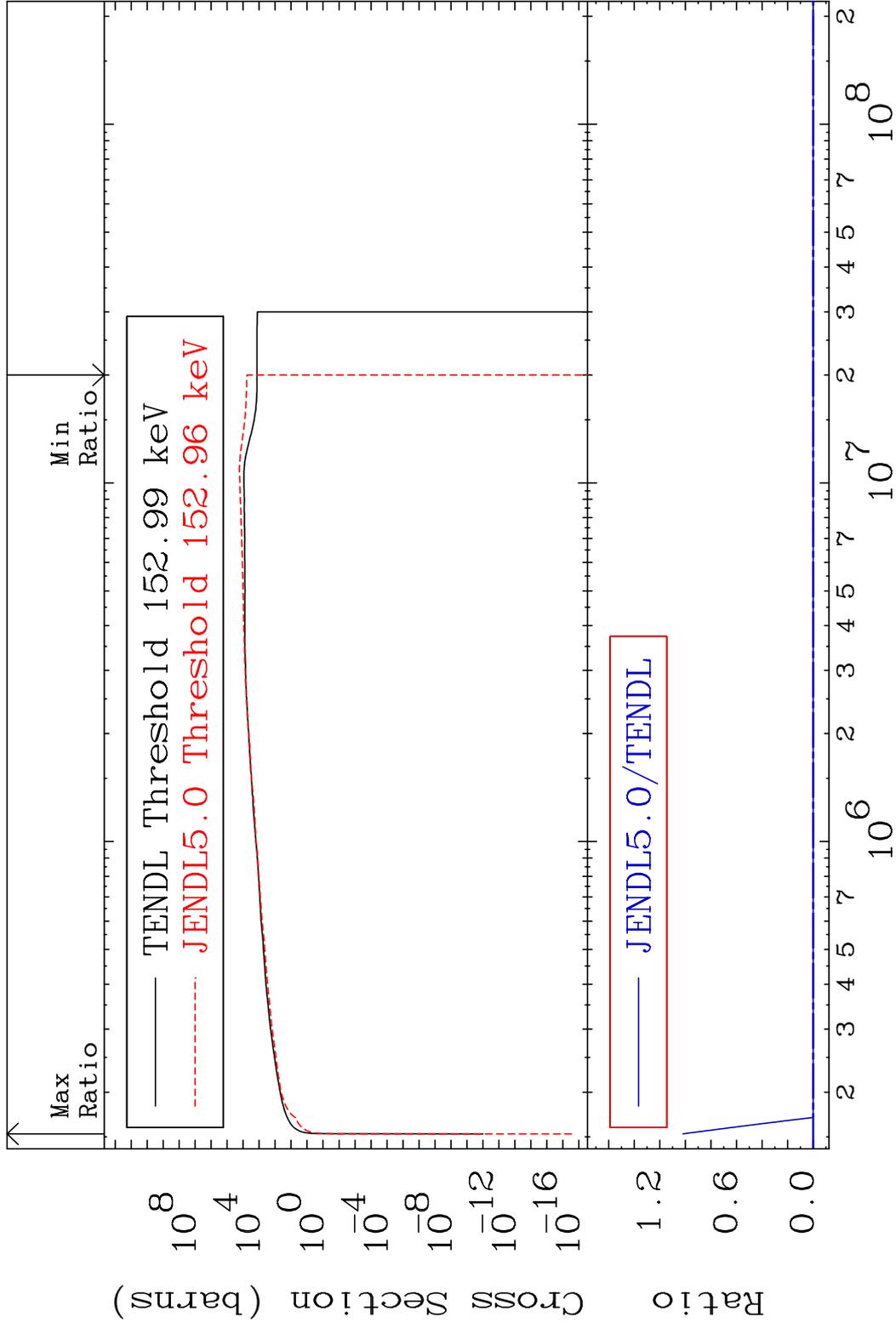


61

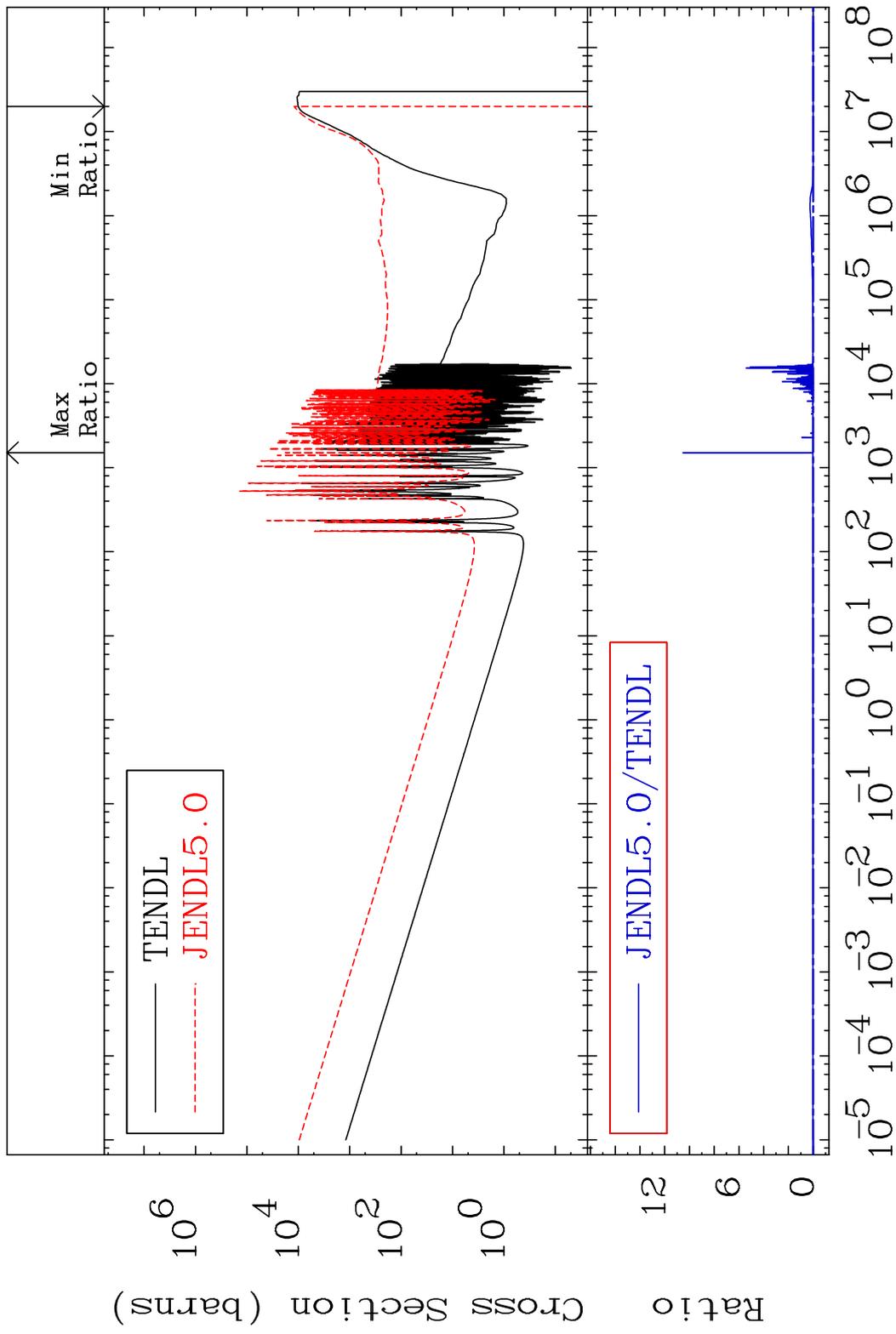
Incident Energy (eV)

37-Rb-85

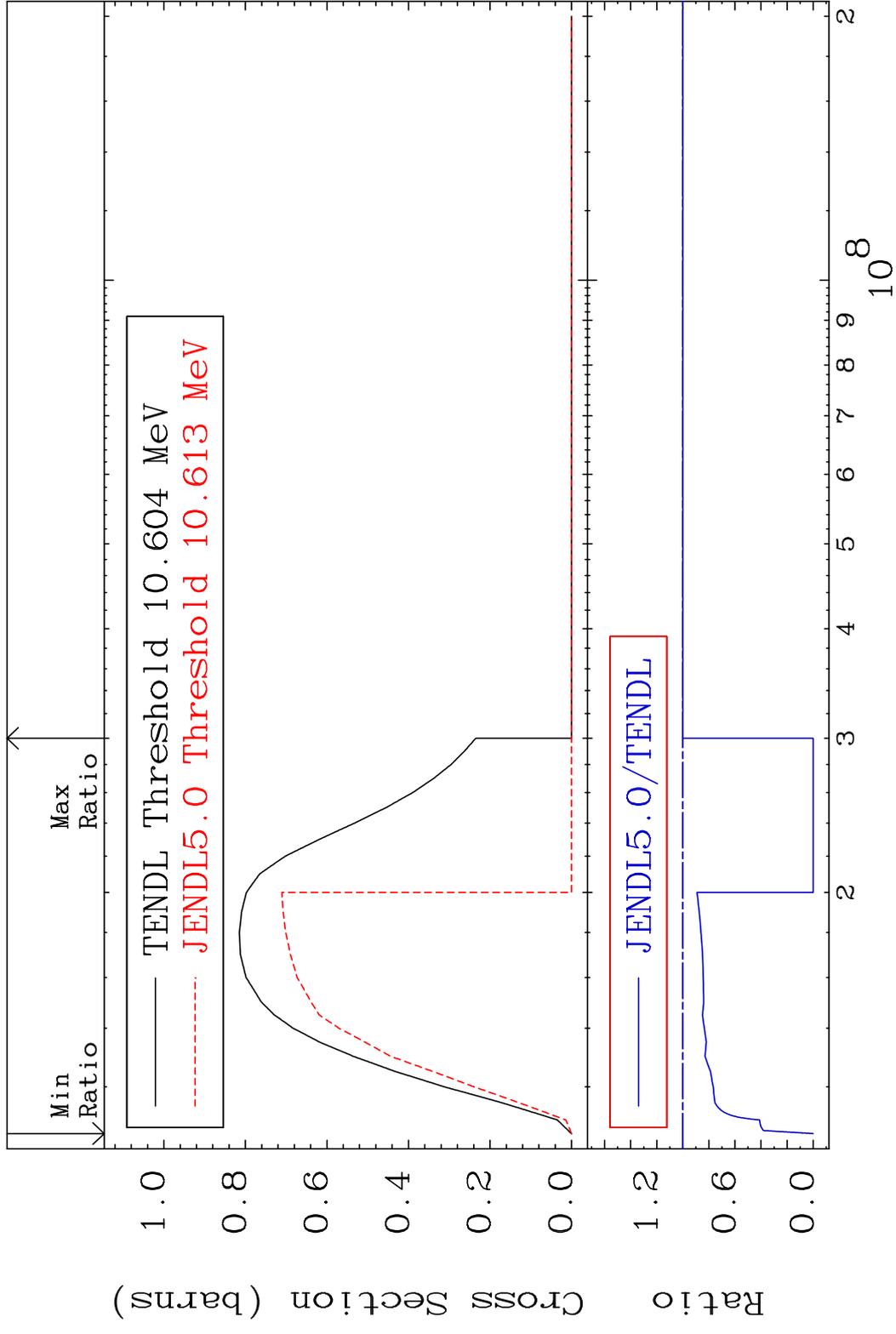
MAT 3725 Dpa inelastic (mt51-91) 37-Rb-85
 Cross Section -100.0 To 9999. %



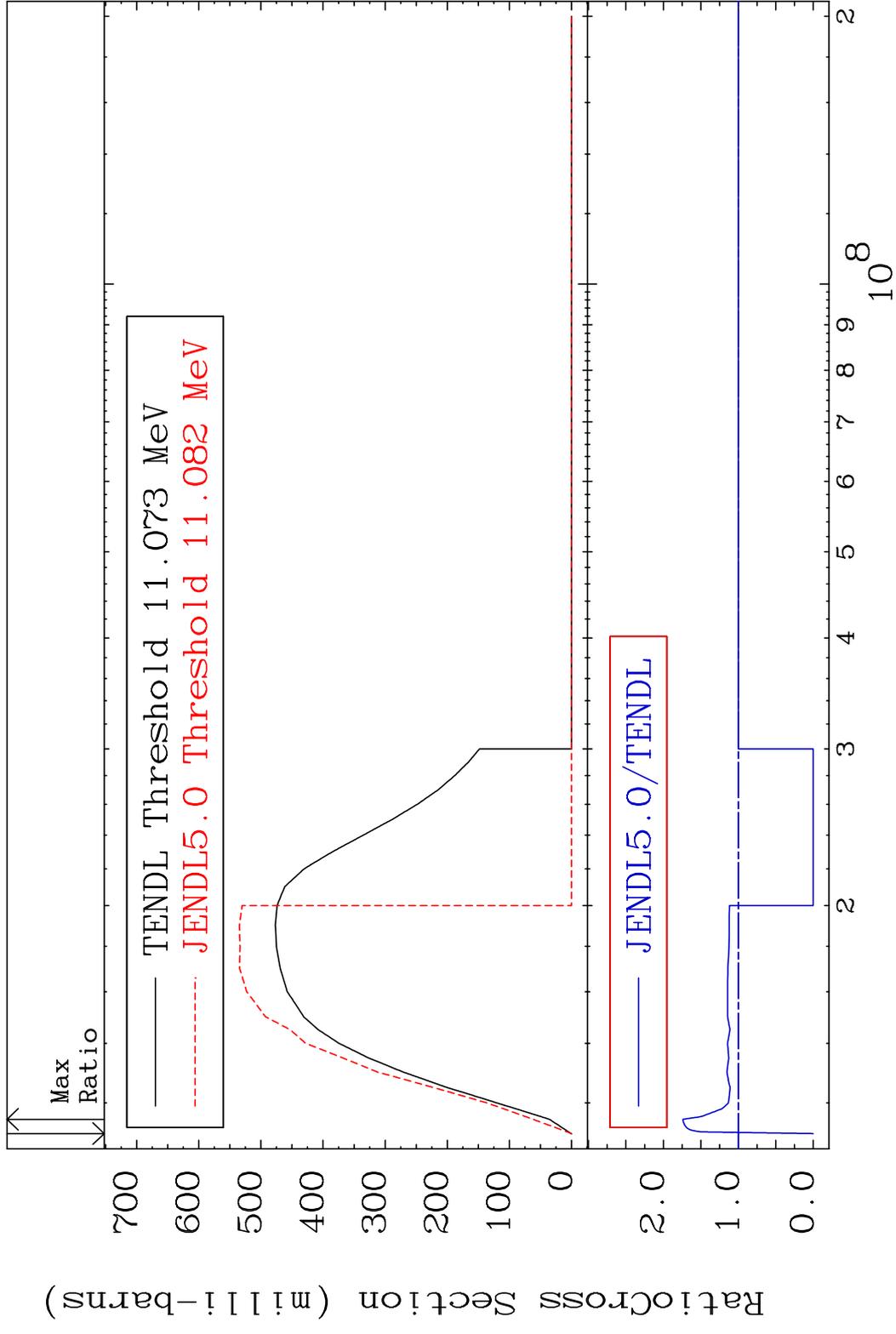
MAT 3725 Dpa disappearance (mt102 -120) 37-Rb-85
 Cross Section -100.0 To 9999. %

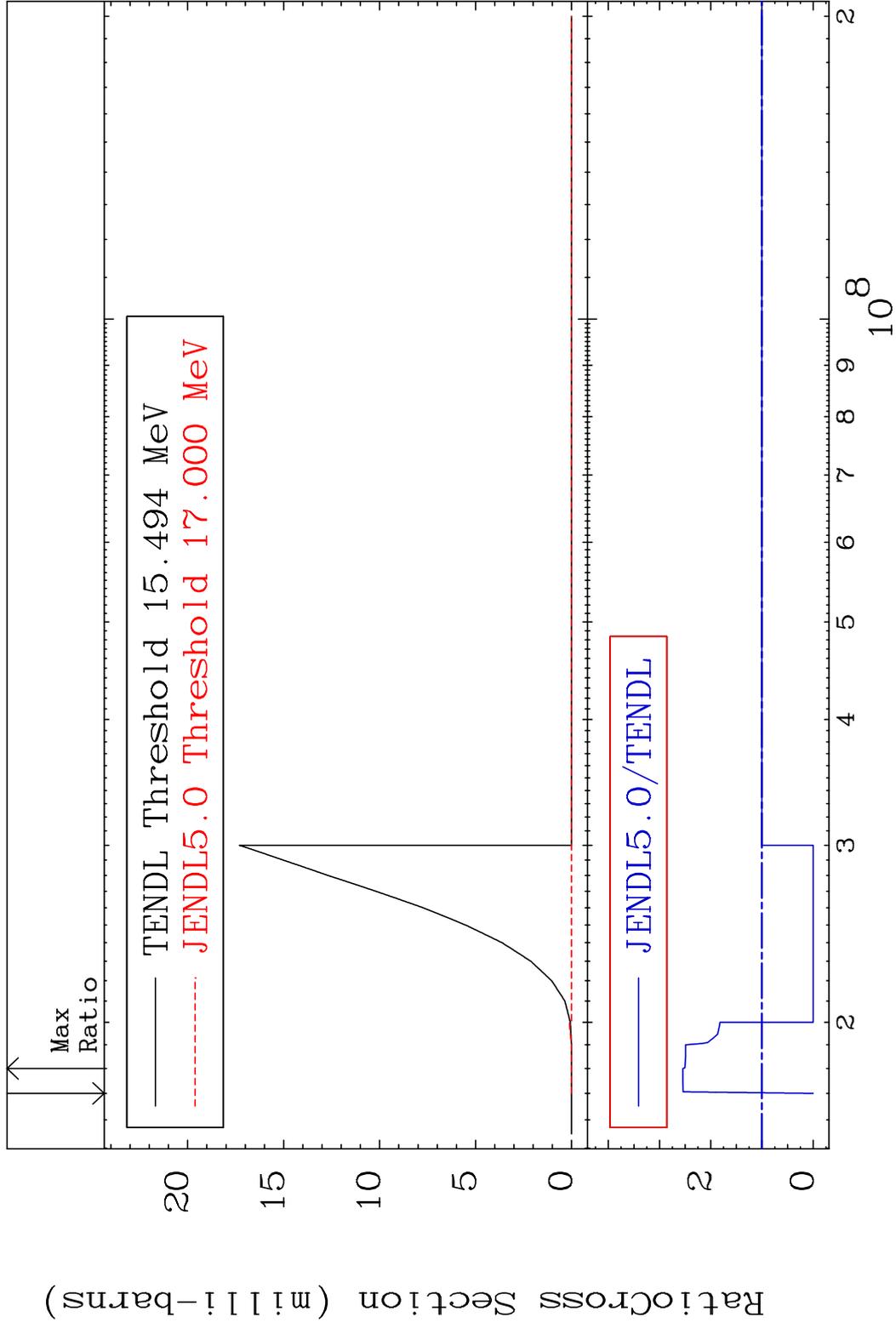


MAT 3725 (n,2n):37-Rb-84g 37-Rb-85
 Radionuclide Production Cross Section Ratio 0.000 %

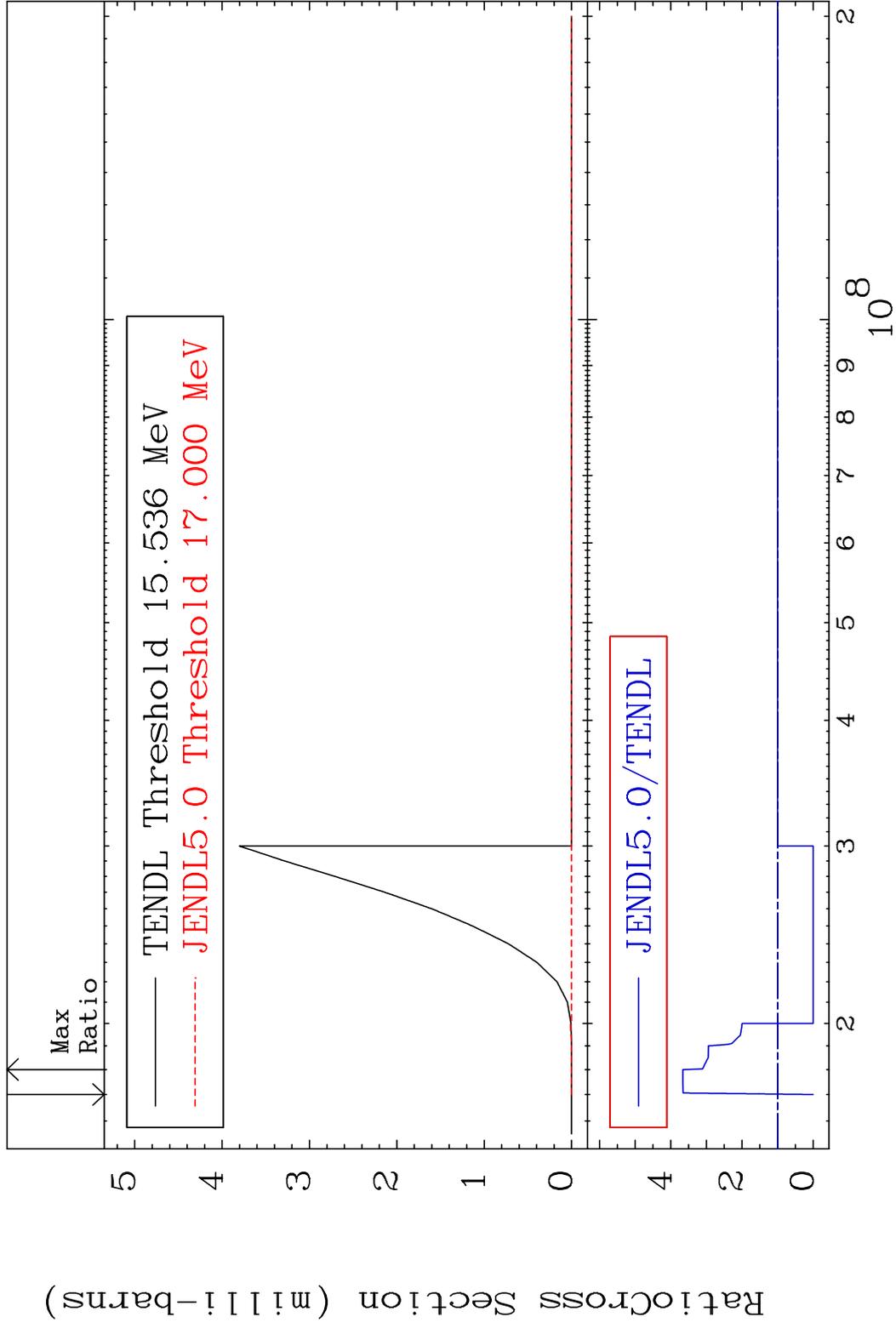


MAT 3725 (n,2n):37-Rb-84m2 37-Rb-85
 Radionuclide Production Cross Section Ratio 74.00 %

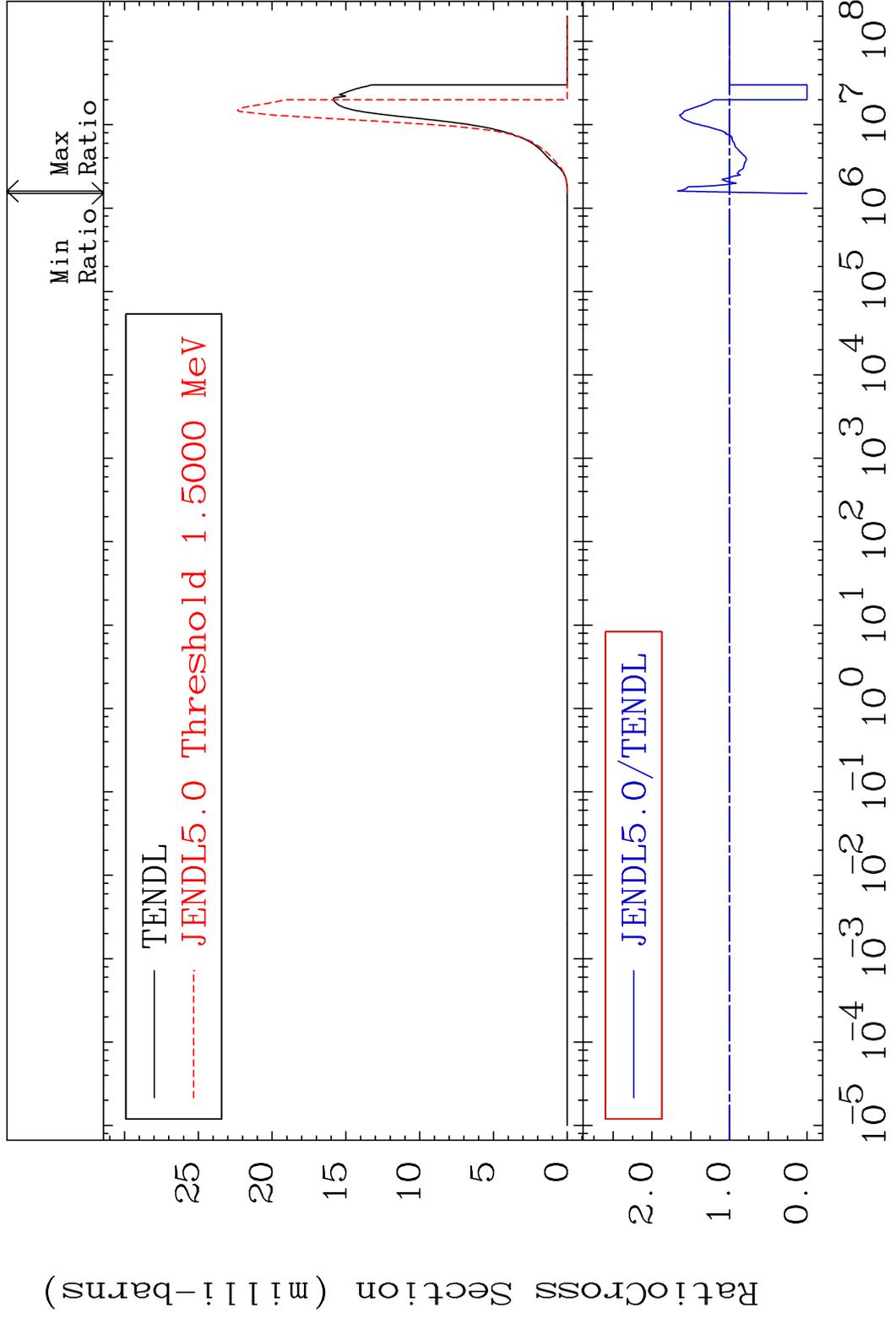




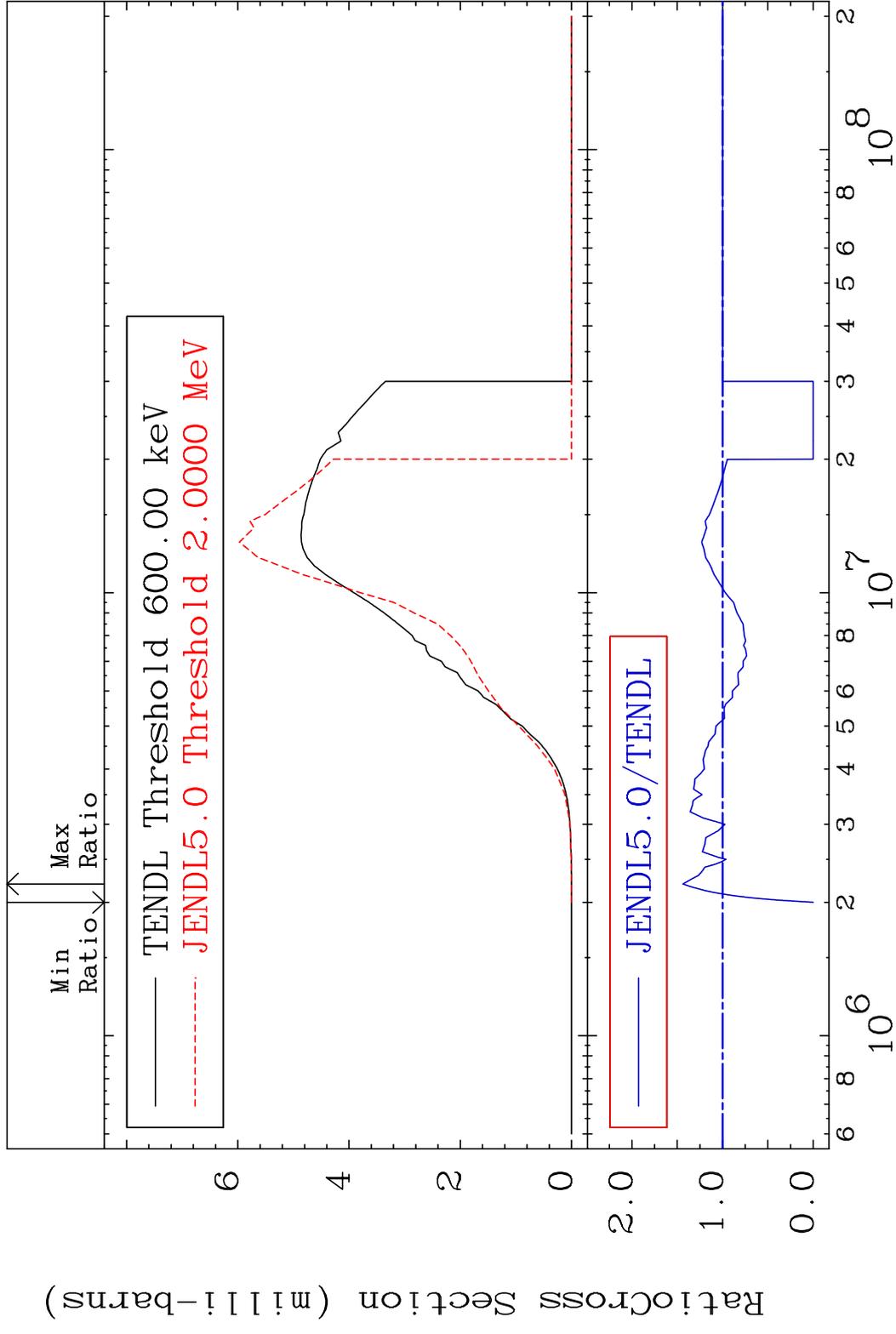
MAT 3725 (n, n') d:36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 180.0 dth 266.1 %



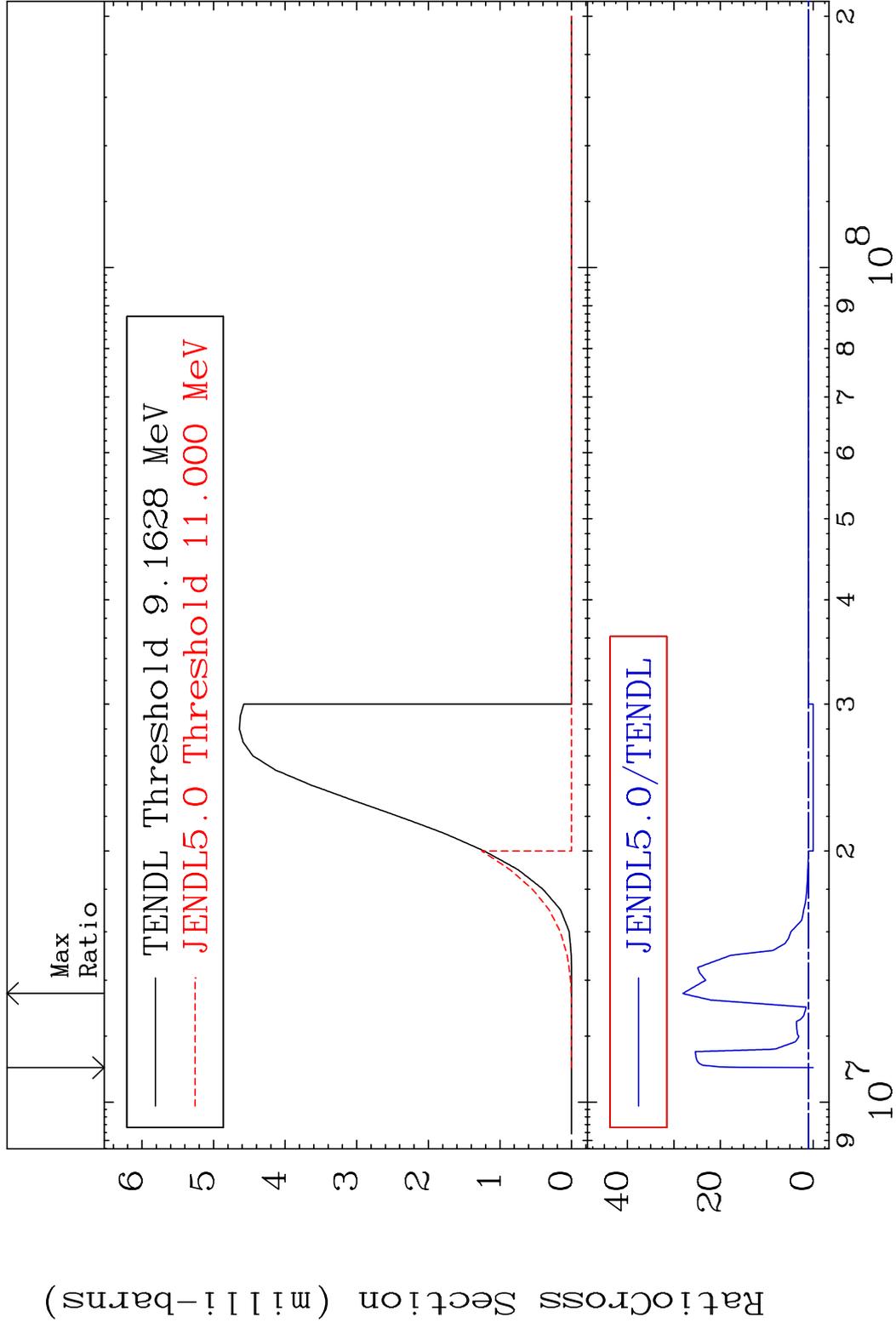
MAT 3725 (n, p) : 36-Kr-85g 37-Rb-85
 Radionuclide Production Cross Section Ratio 66.86 %



MAT 3725 (n,p):36-Kr-85m1 37-Rb-85
 Radionuclide Production Cross Section 43.82 %

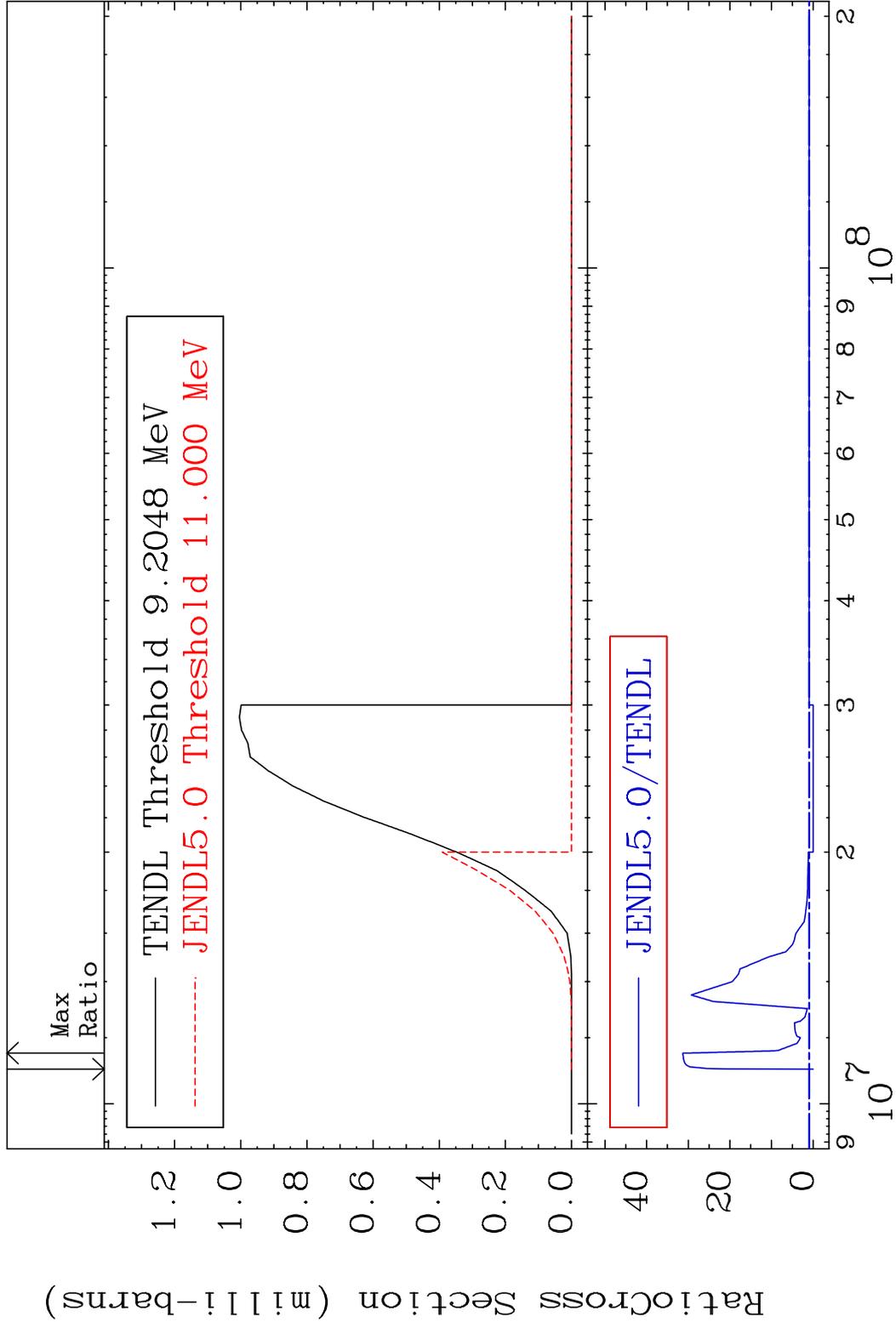


MAT 3725 (n, t):36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 2707. %

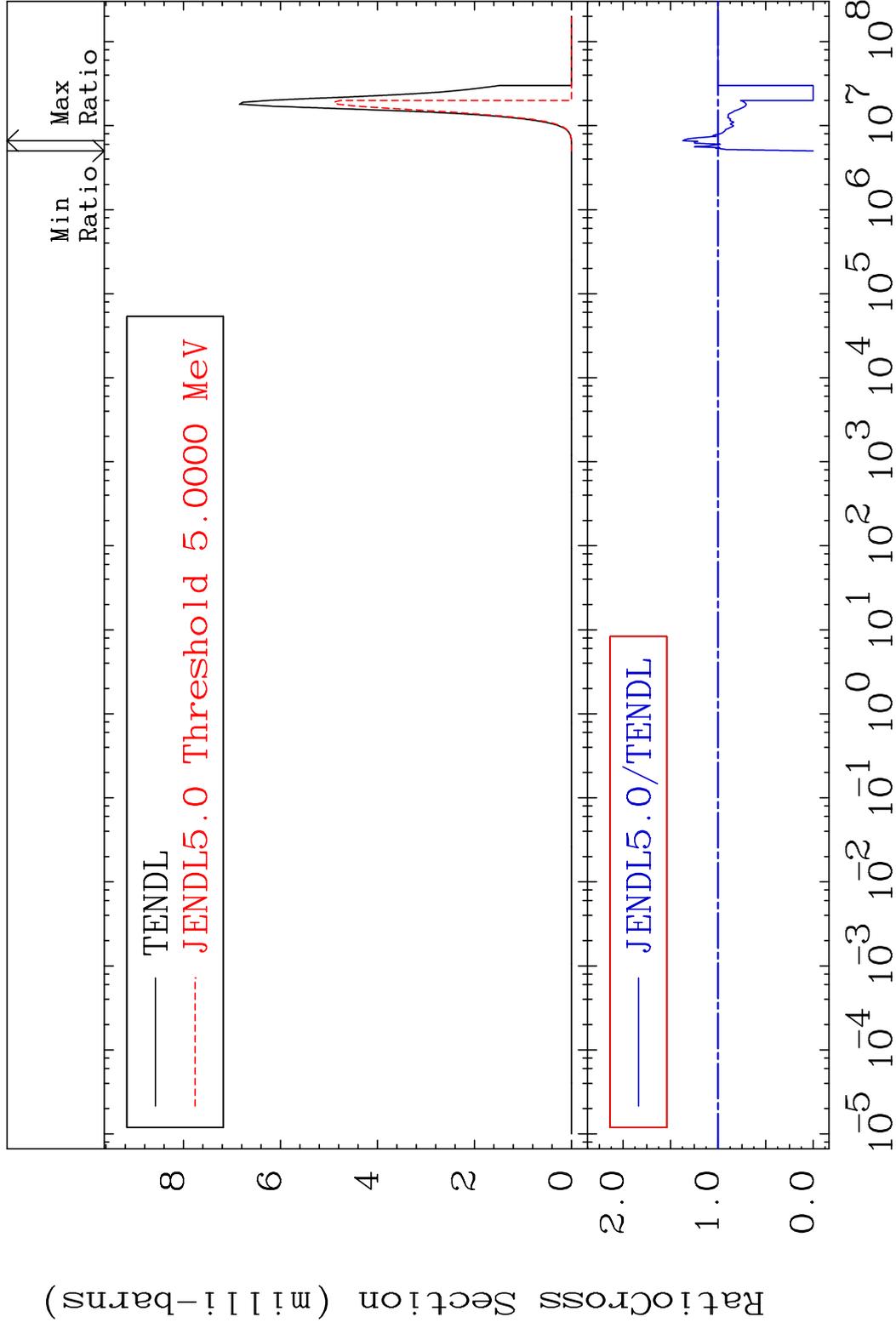


70 Incident Energy (eV) 37-Rb-85

MAT 3725 (n, t):36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 180.0 dth 3030. %

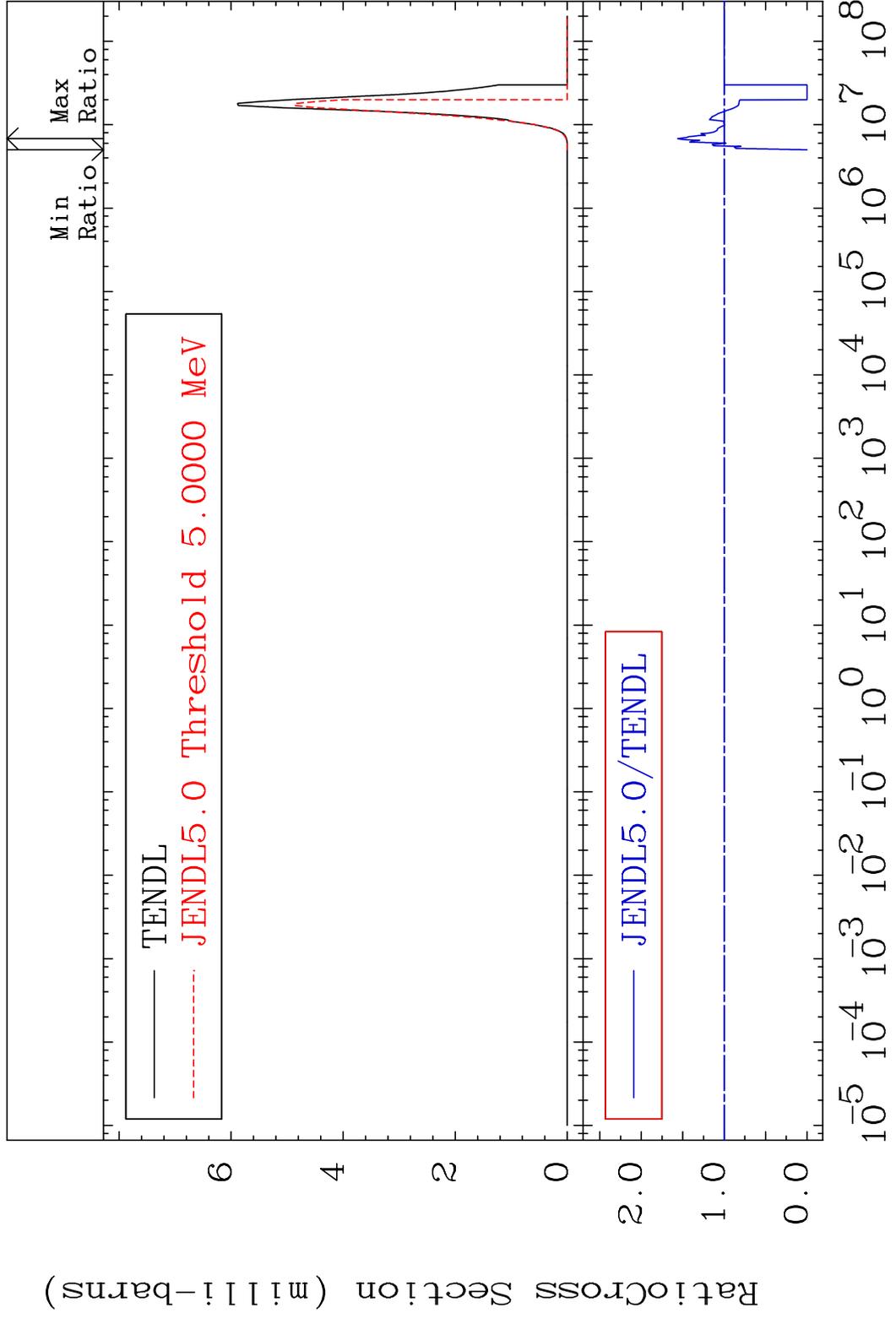


MAT 3725 (n, α): 35-Br-82g 37-Rb-85
 Radionuclide Production Cross Section Ratio 37.14 %



72 37-Rb-85

MAT 3725 (n,α):35-Br-82m1 37-Rb-85
 Radionuclide Production Cross Section 180.01 dth 56.10 %



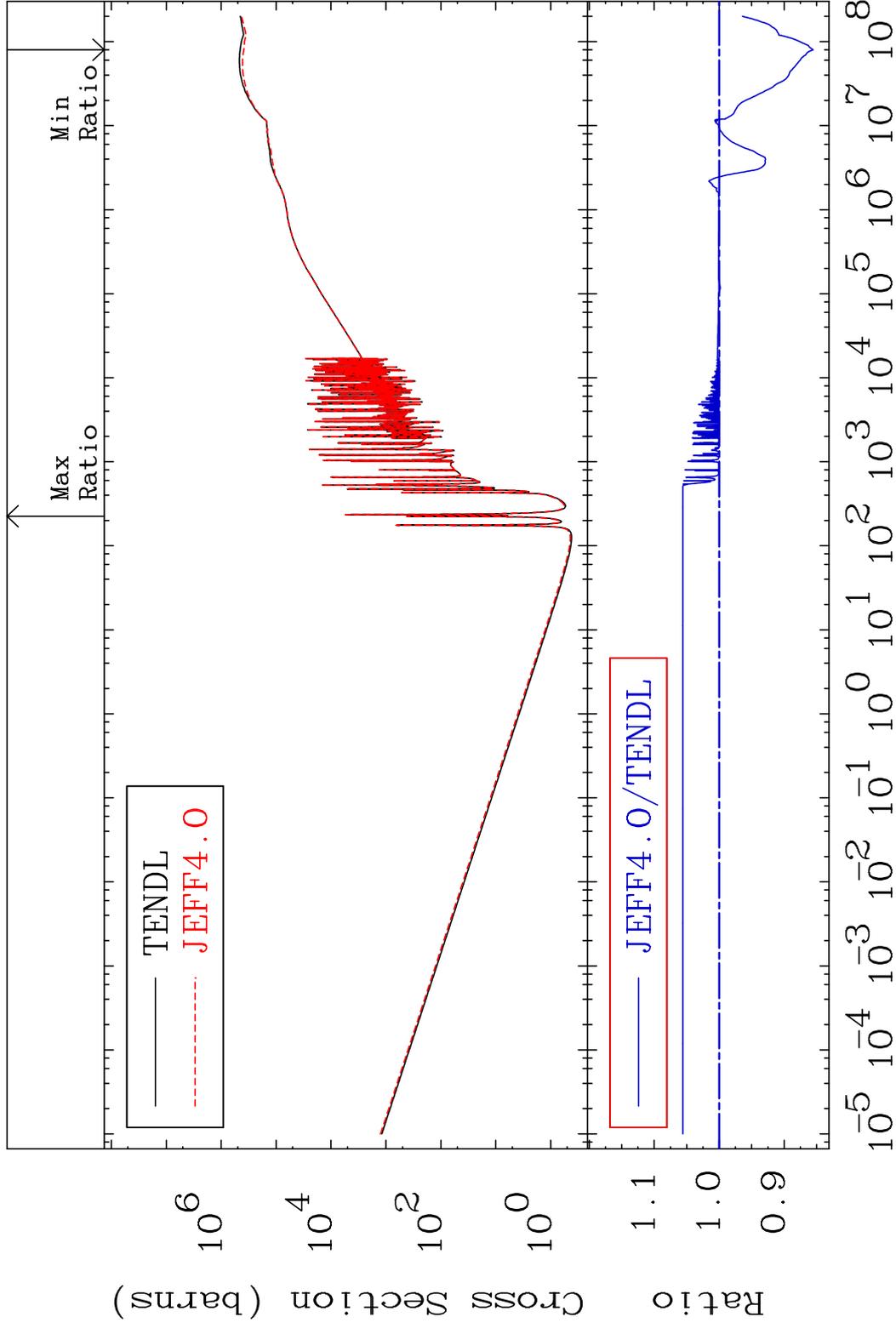
73 Incident Energy (eV) 37-Rb-85

MAT 3725

Dpa total (eV-barns)

37-Rb-85

Cross Section -14.46 To 5.595 %



74

Incident Energy (eV)

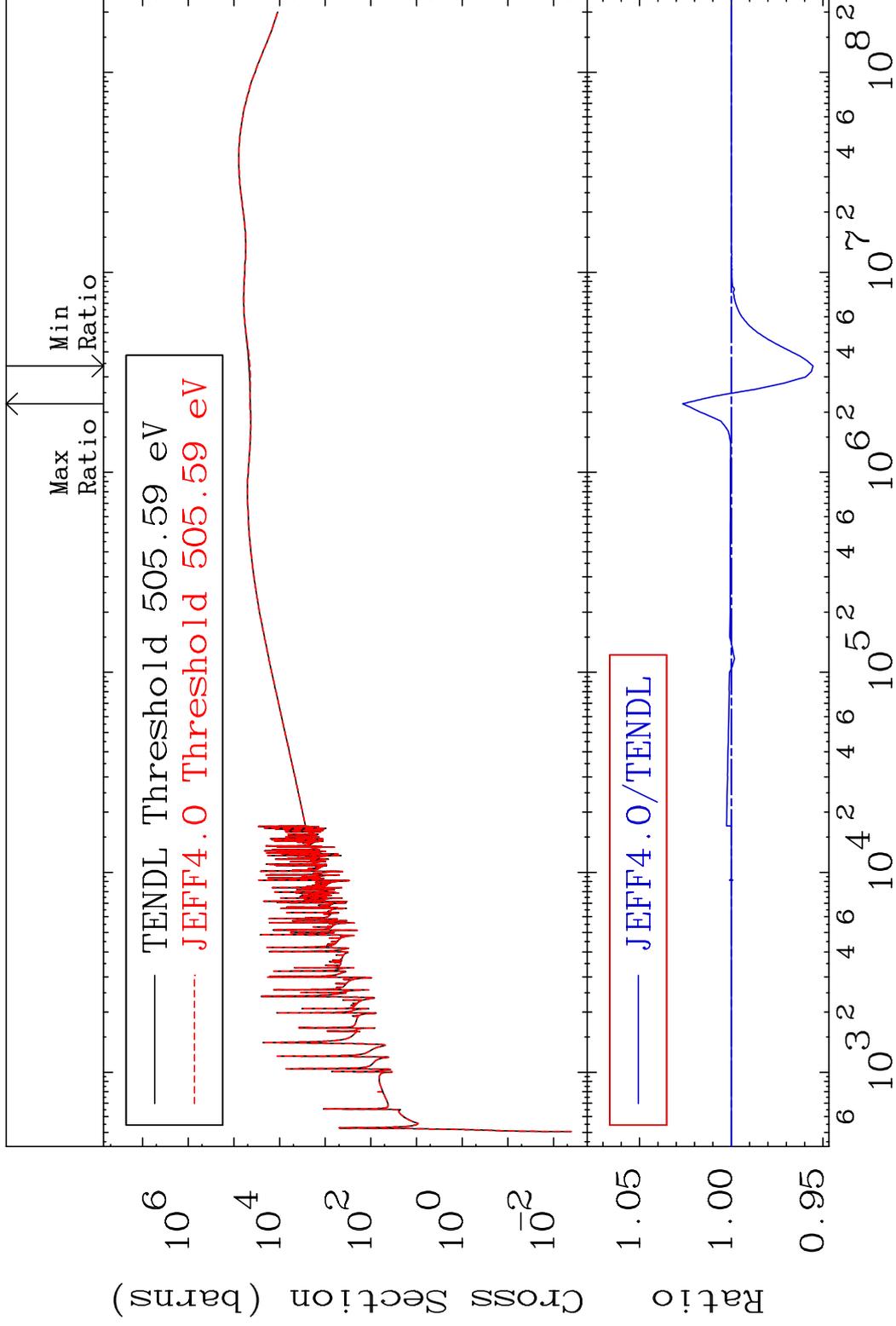
37-Rb-85

MAT 3725

Dpa elastic (mt2)

37-Rb-85

Cross Section -4.457 To 2.651 %



75

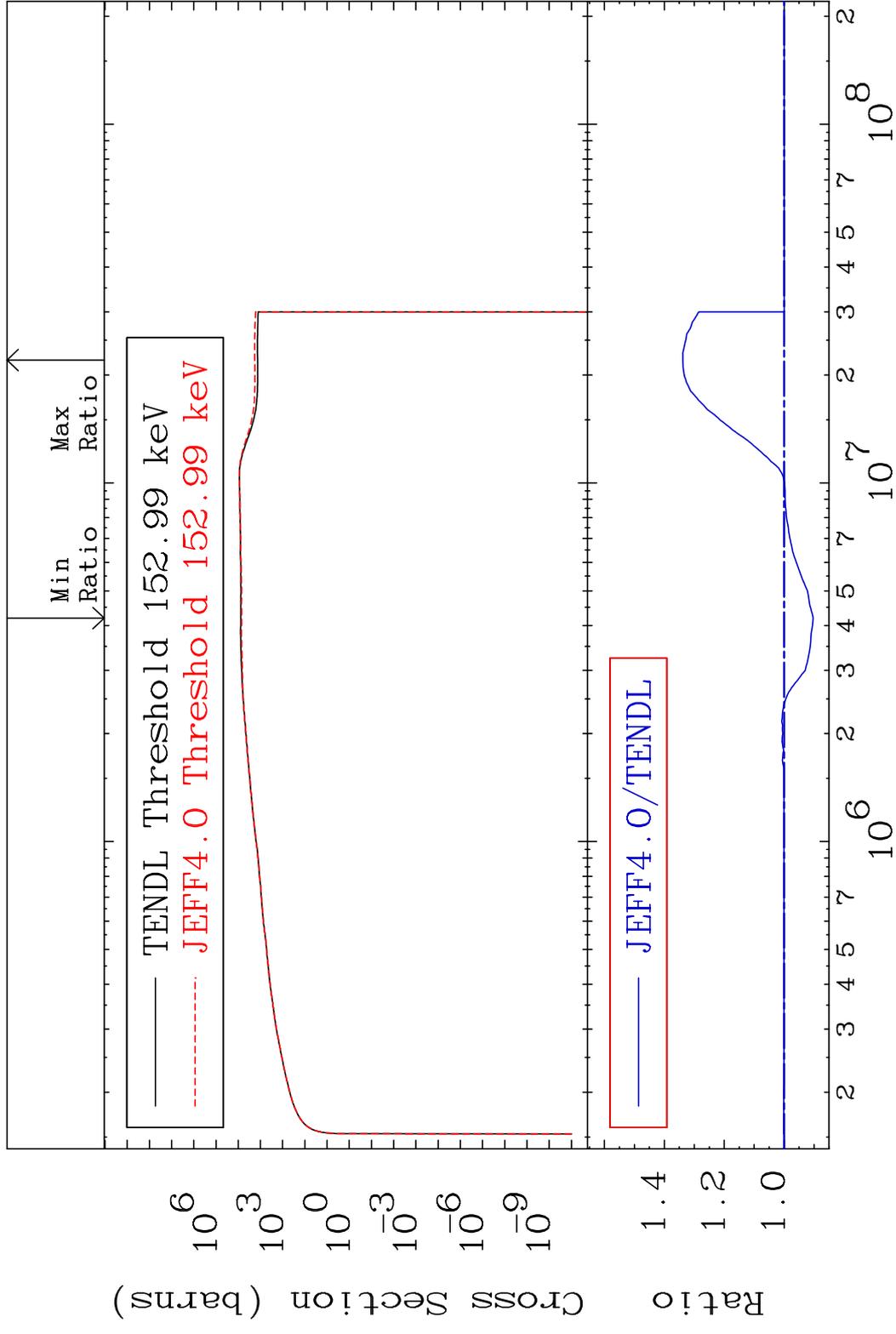
Incident Energy (eV)

37-Rb-85

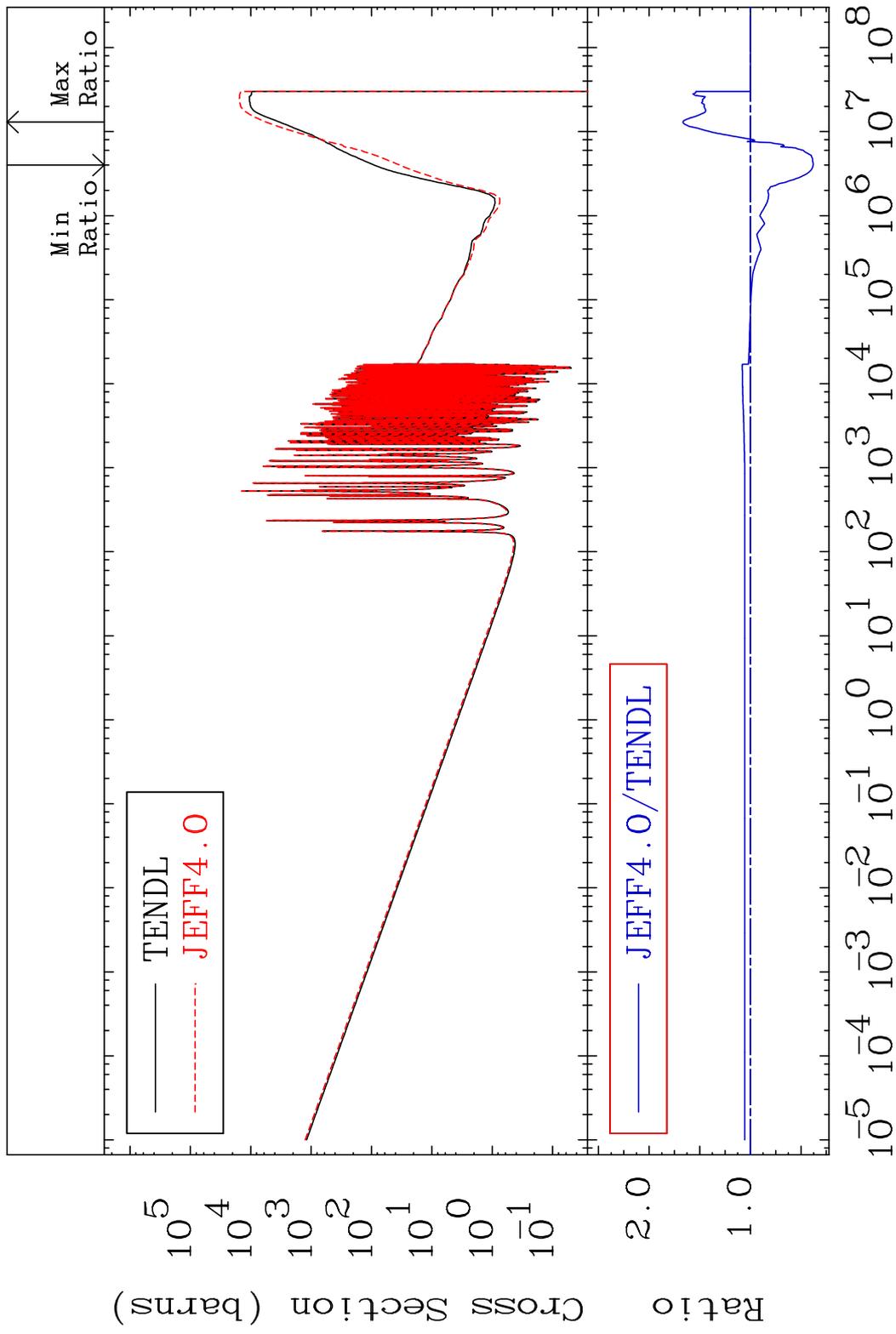
MAT 3725

Dpa inelastic (mt51-91) 37-Rb-85

Cross Section -9.692 To 33.83 %

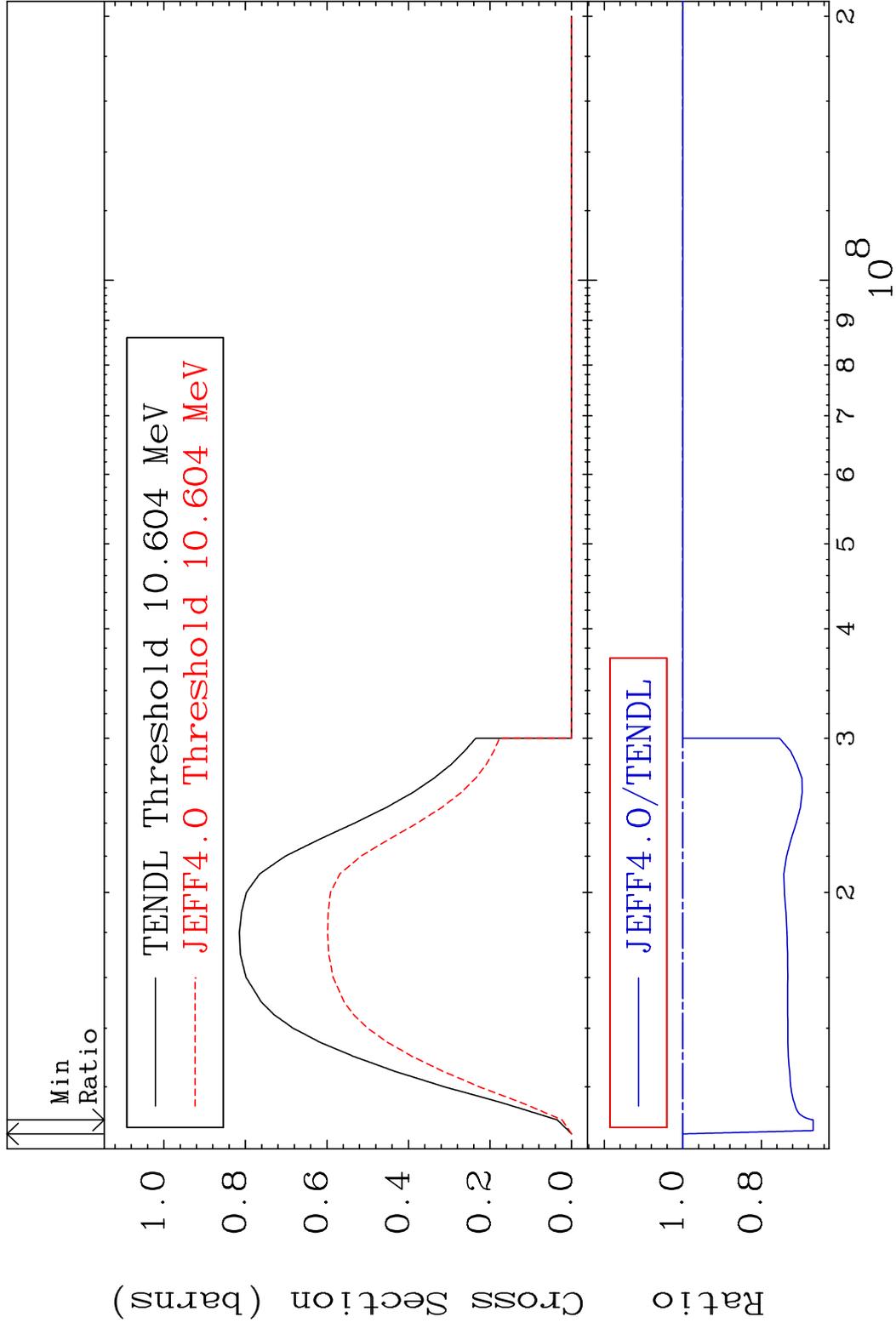


MAT 3725 Dpa disappearance (mt102 -120) 37-Rb-85
 Cross Section -62.00 To 66.70 %

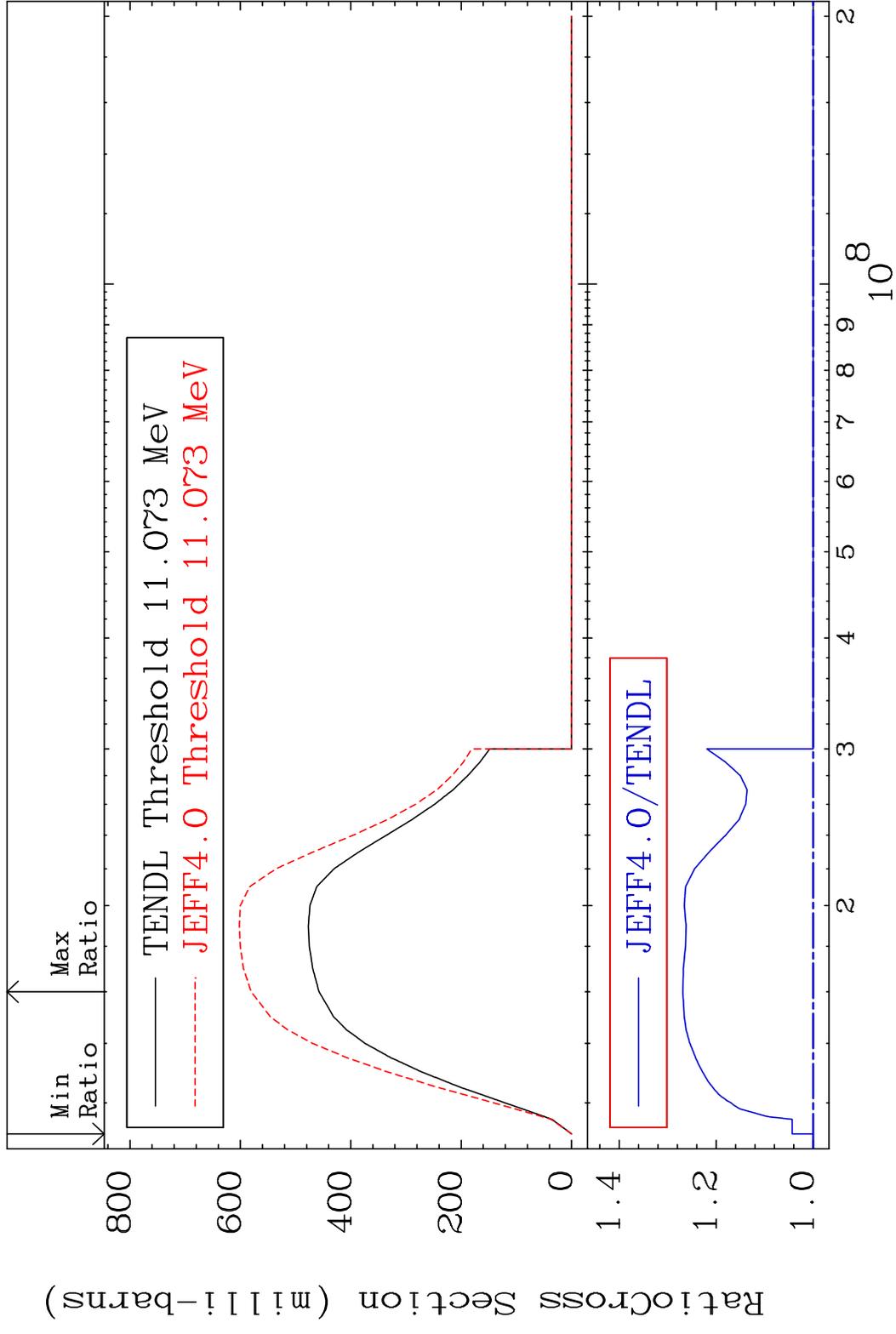


77 Incident Energy (eV) 37-Rb-85

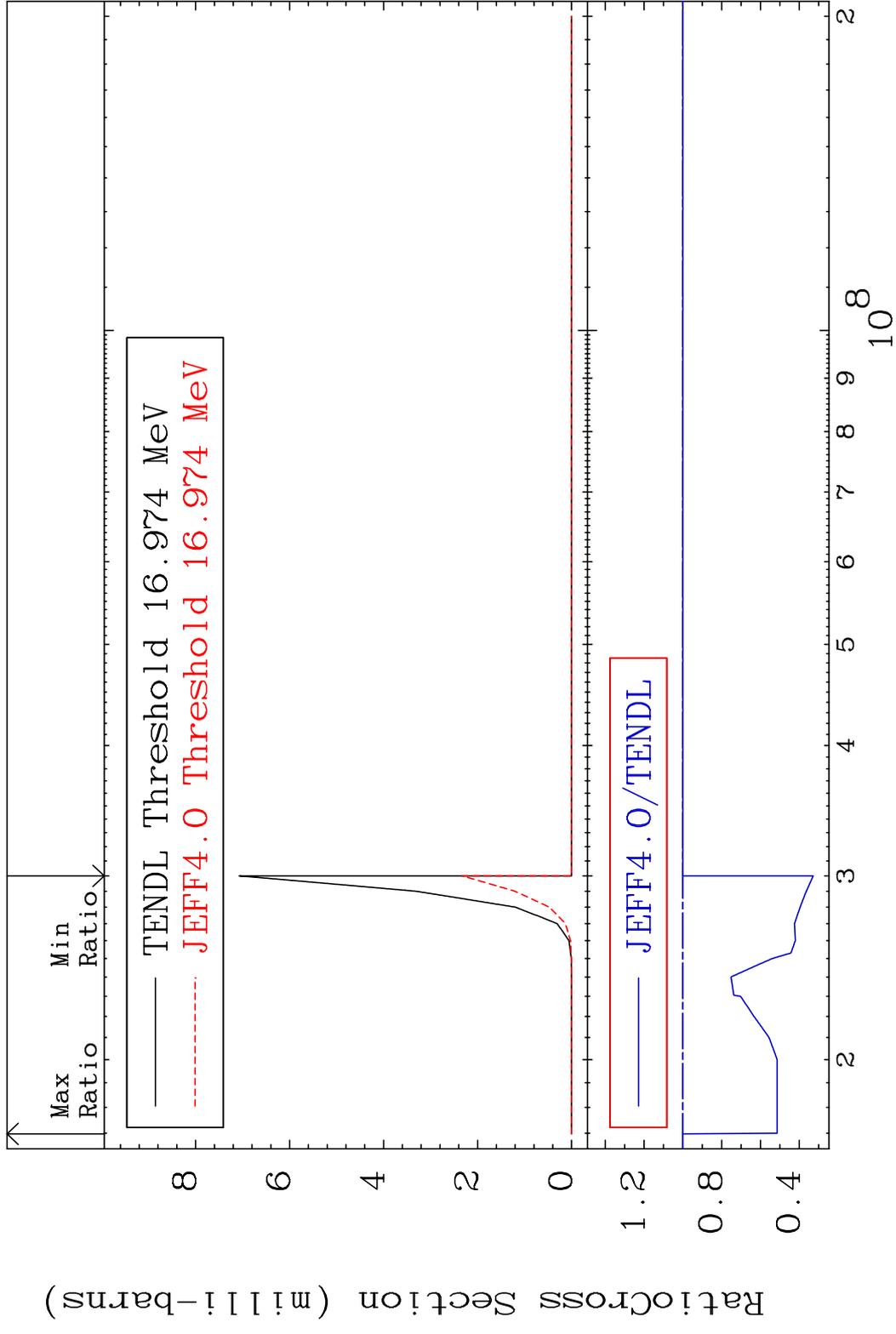
MAT 3725 (n,2n):37-Rb-84g 37-Rb-85
 Radionuclide Production Cross Section 0.000 %



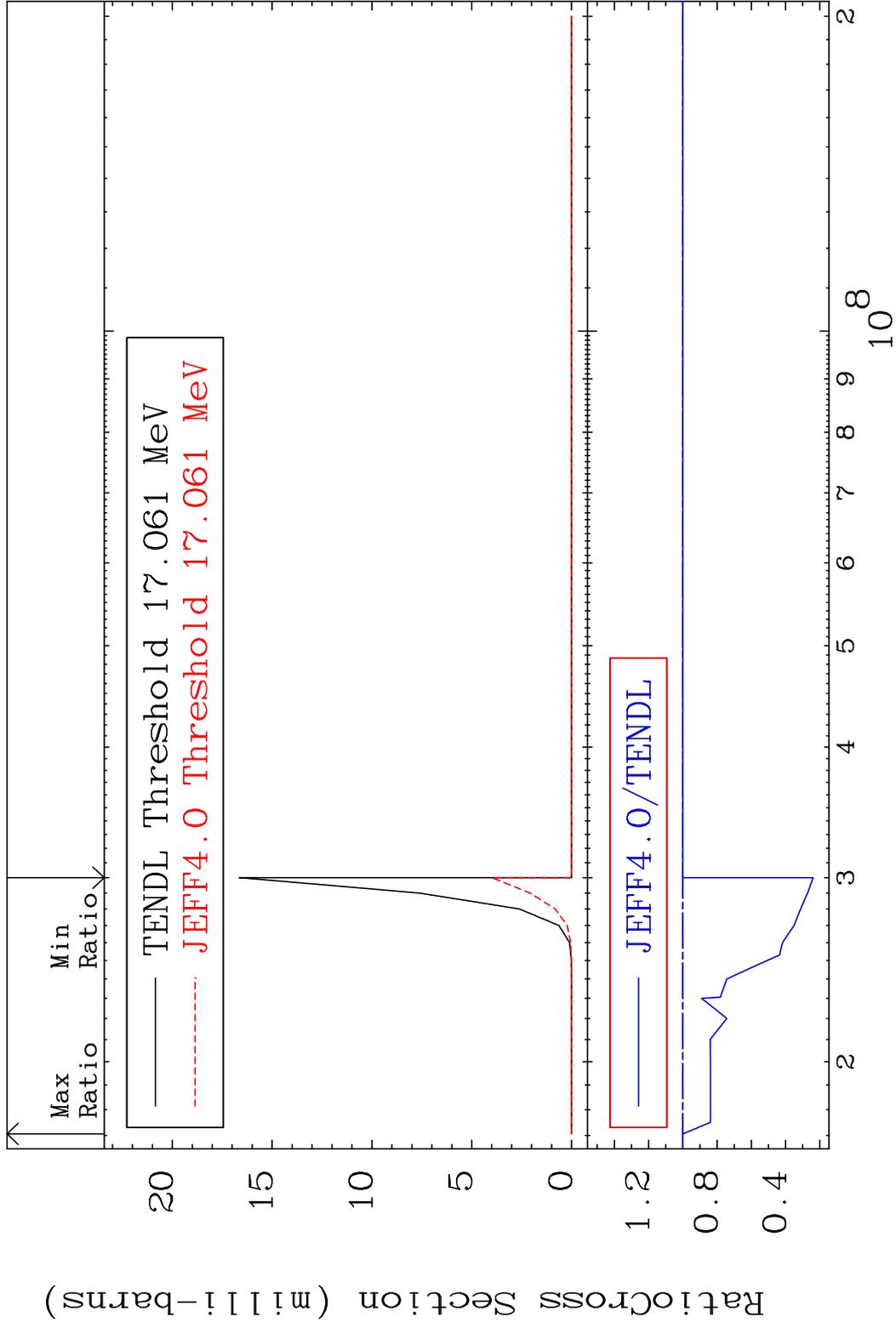
MAT 3725 (n,2n):37-Rb-84m2 37-Rb-85
 Radionuclide Production Cross Section 26.88 %



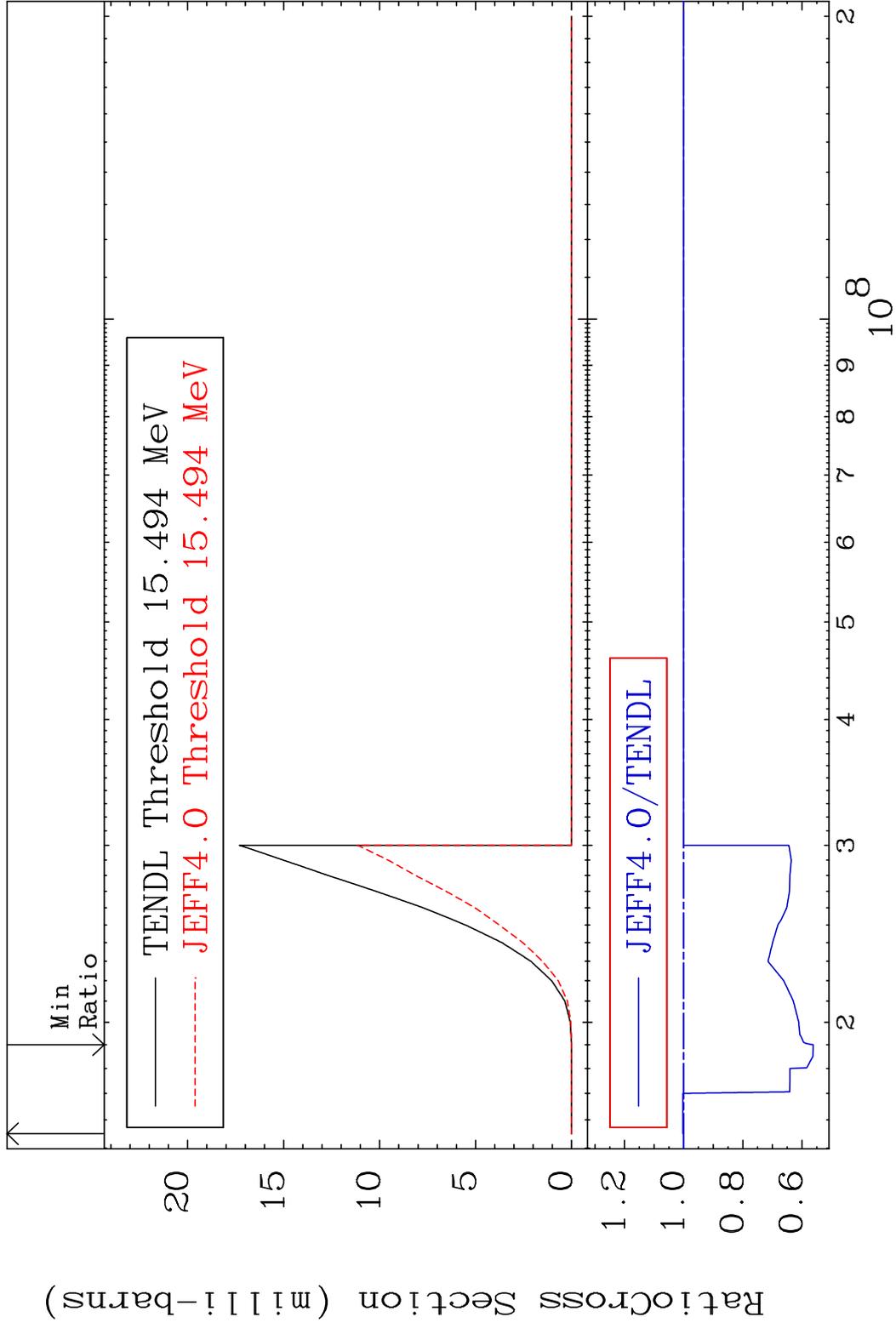
MAT 3725 (n,2n) α :35-Br-80g 37-Rb-85
 Radionuclide Production Cross Section 0.000 %



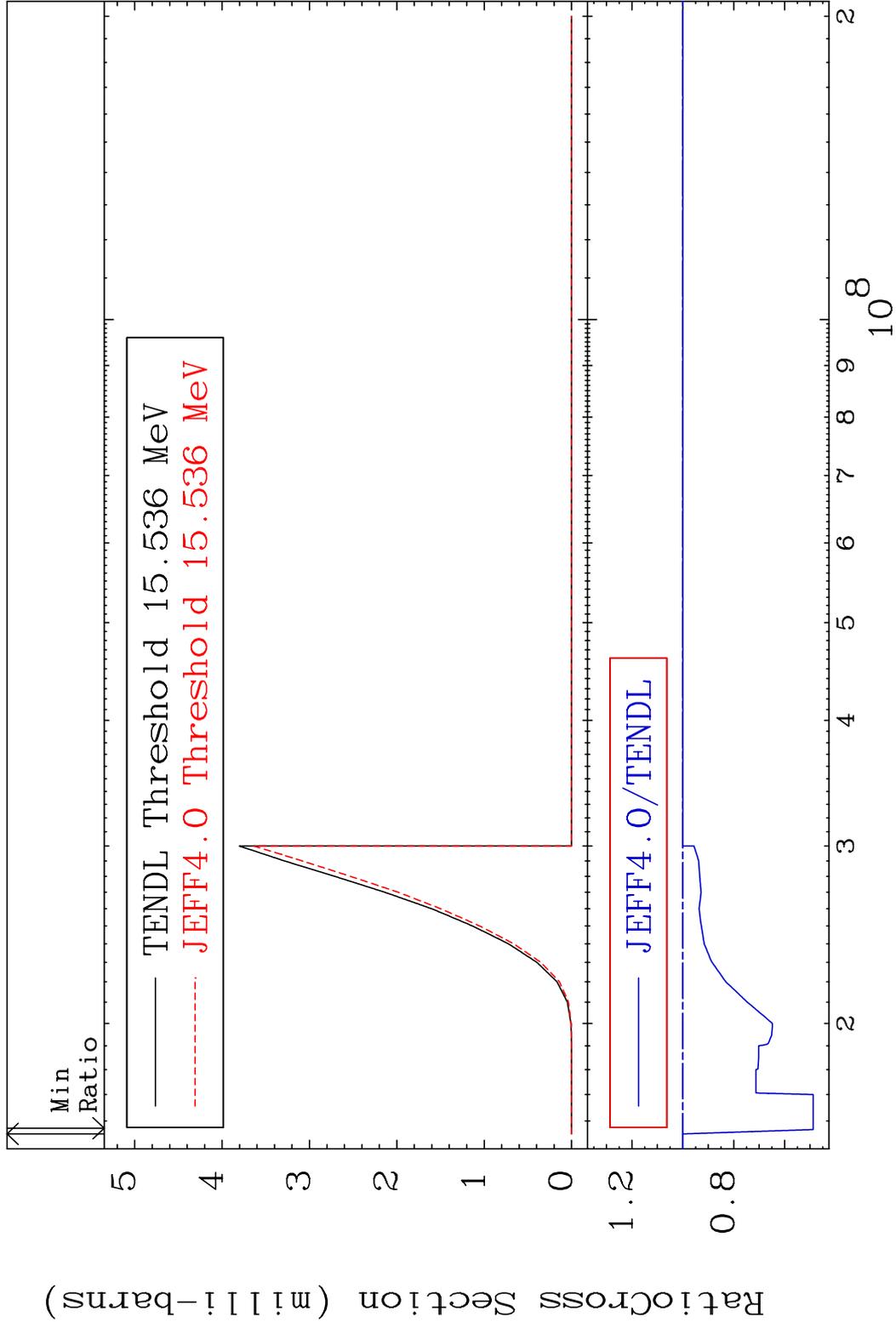
MAT 3725 (n,2n) α :35-Br-80m2 37-Rb-85
 Radionuclide Production Cross Section 0.000 %

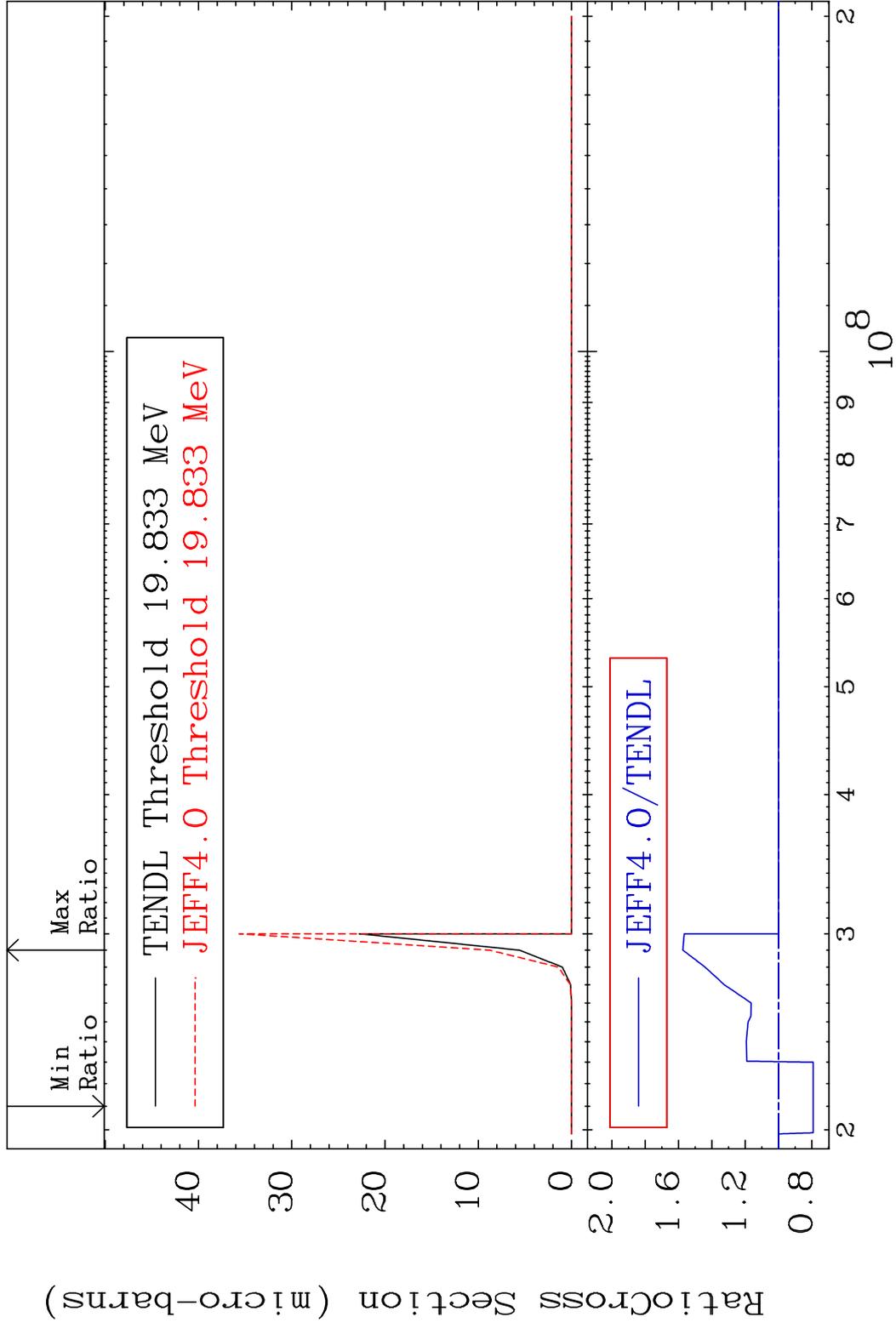


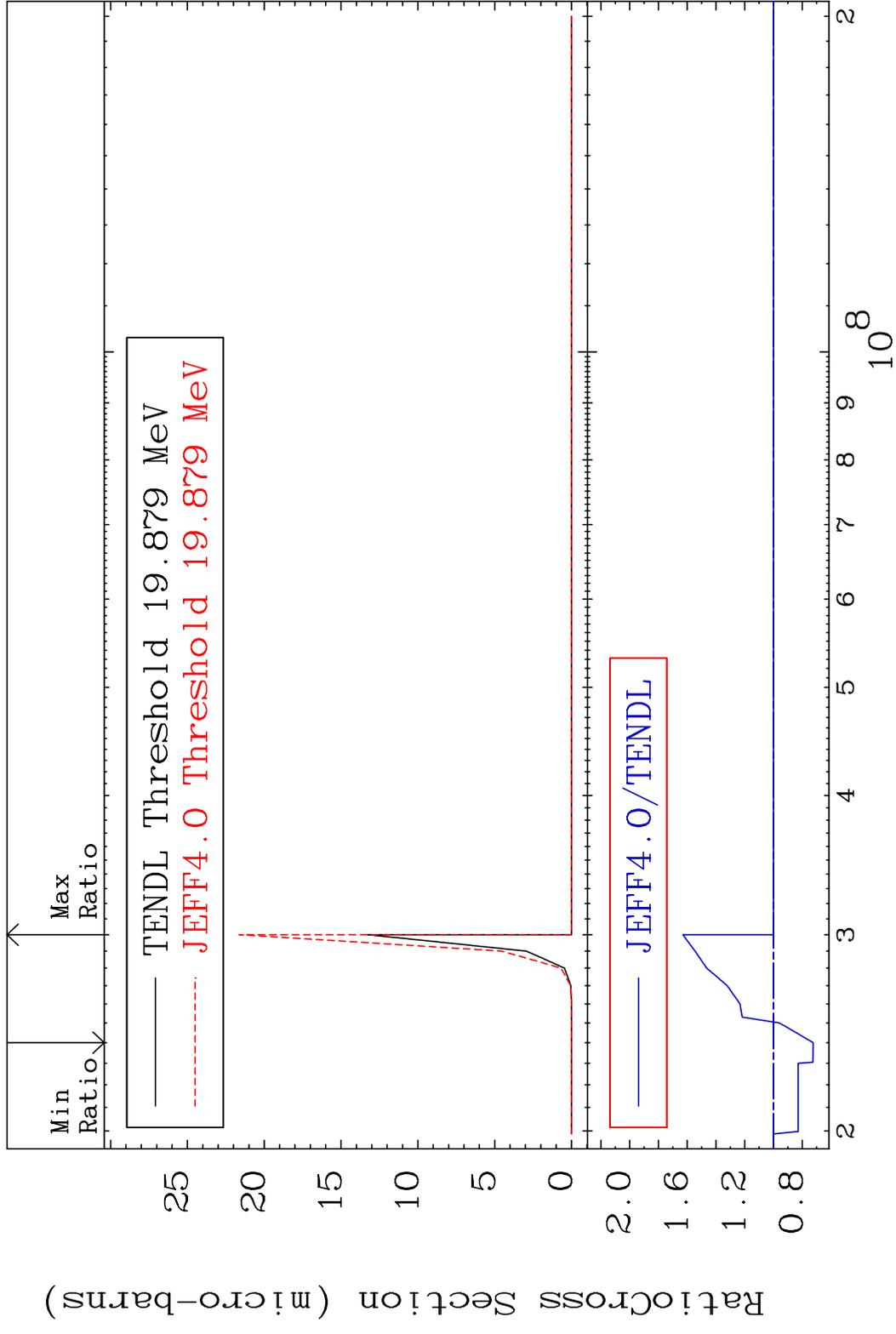
MAT 3725 (n, n') d:36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 0.280 %



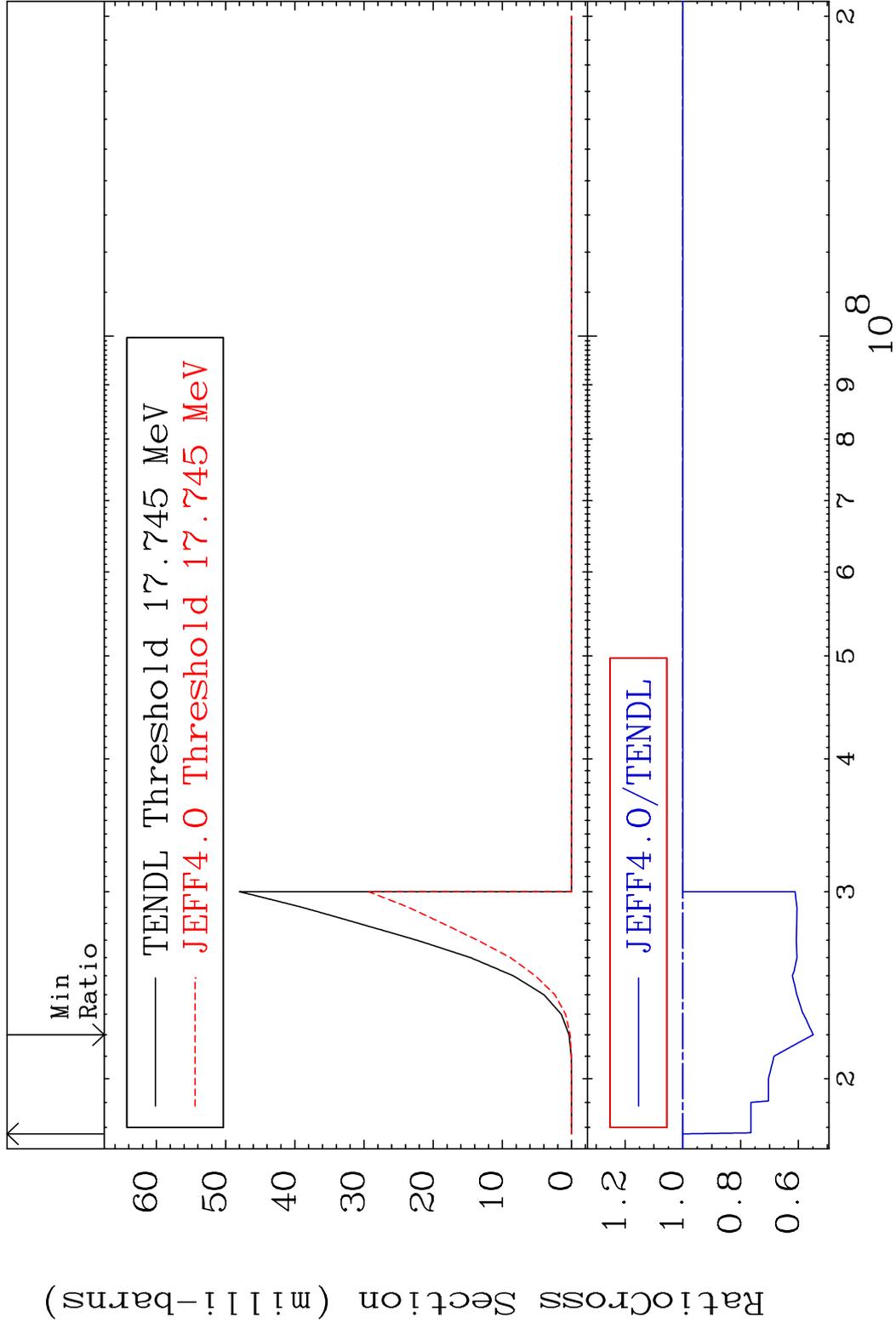
MAT 3725 (n, n') d:36-Kr-83m2 37-Rb-85
 Radionuclide Production Cross Section 0.000 %

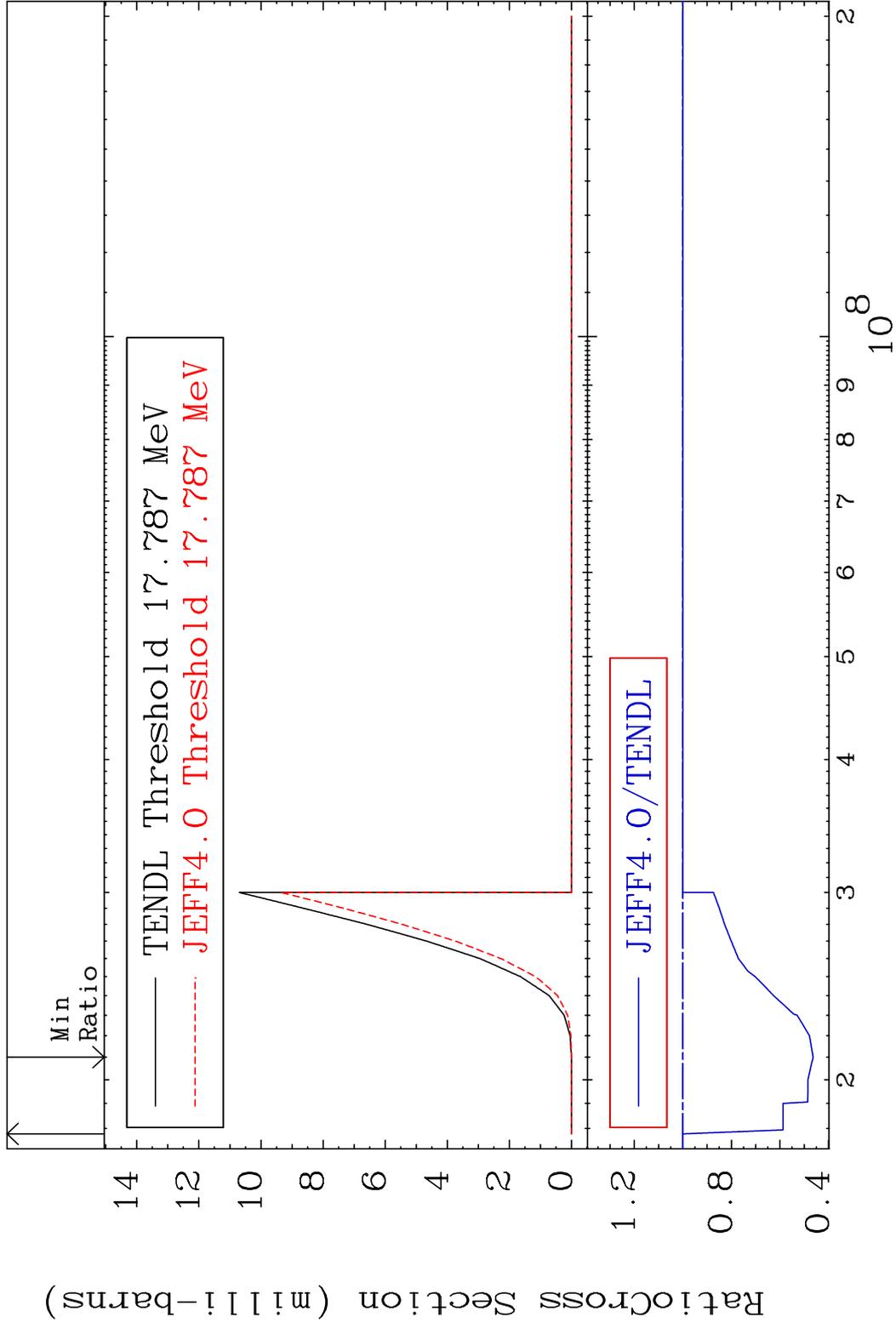






MAT 3725 (n,2n) p:36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 0.000 %



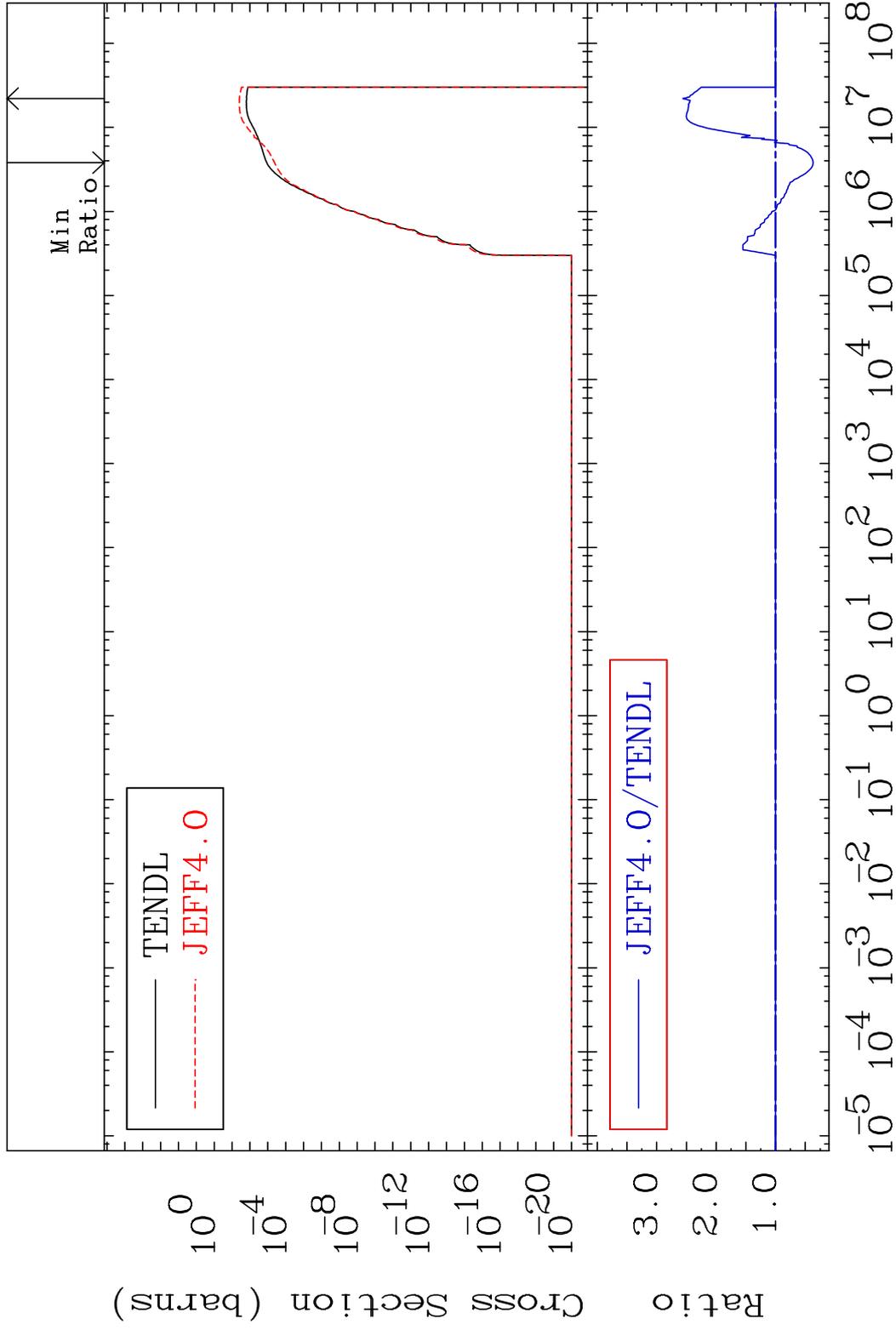


MAT 3725

(n, p):36-Kr-85g

37-Rb-85

Radionuclide Production Cross Section (barns) 156.0 %

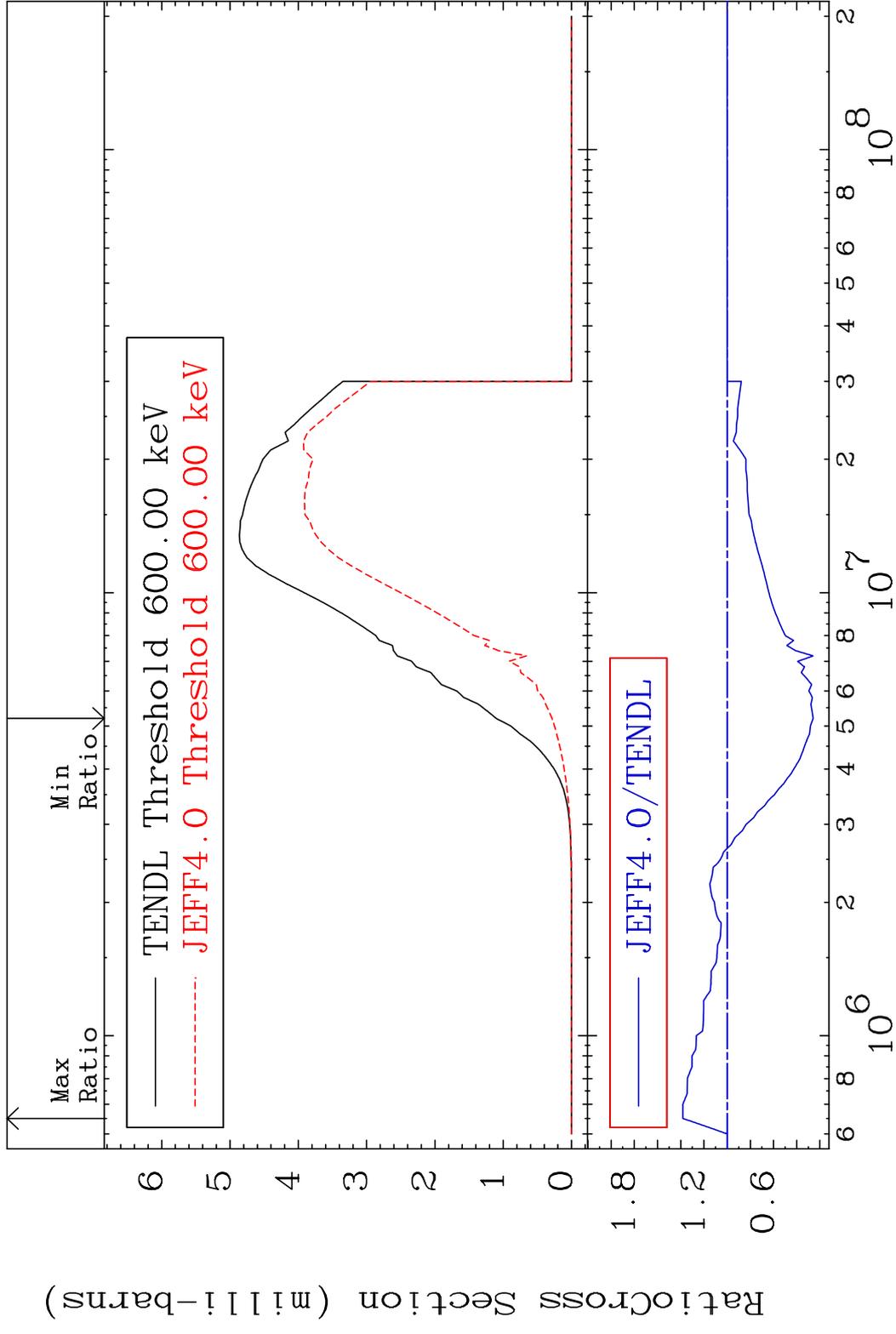


88

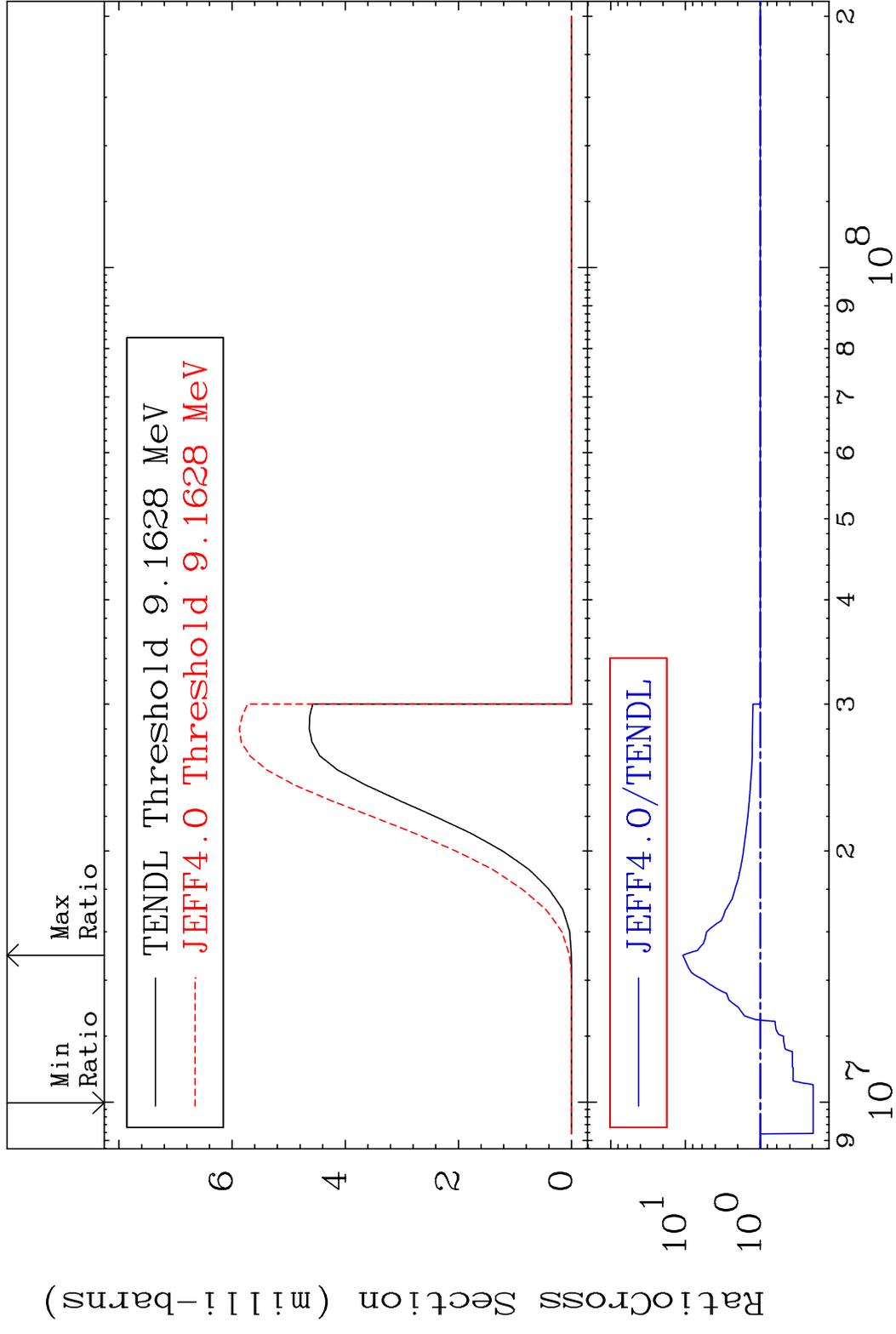
Incident Energy (eV)

37-Rb-85

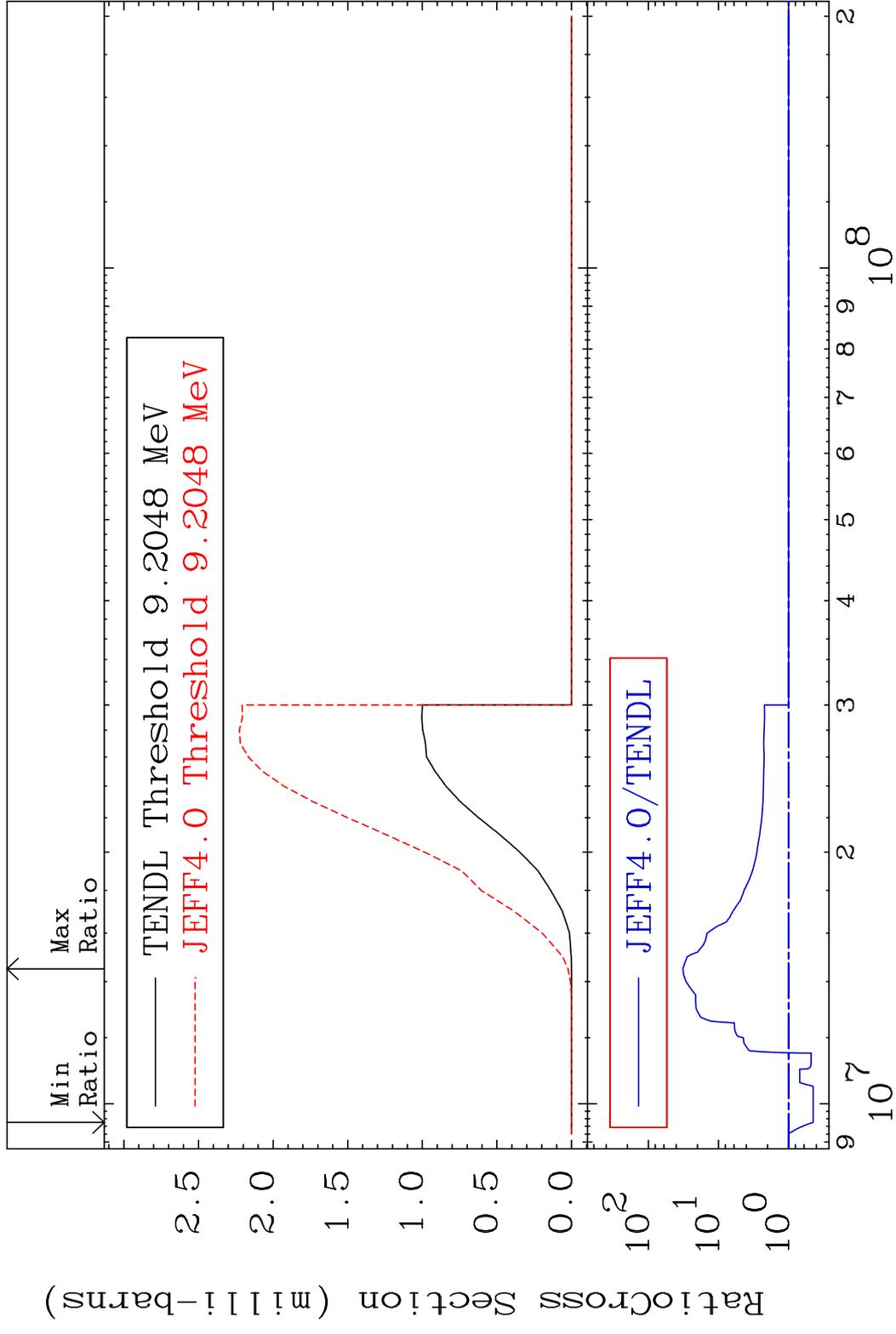
MAT 3725 (n,p):36-Kr-85m1 37-Rb-85
 Radionuclide Production Cross Section 38.17 %



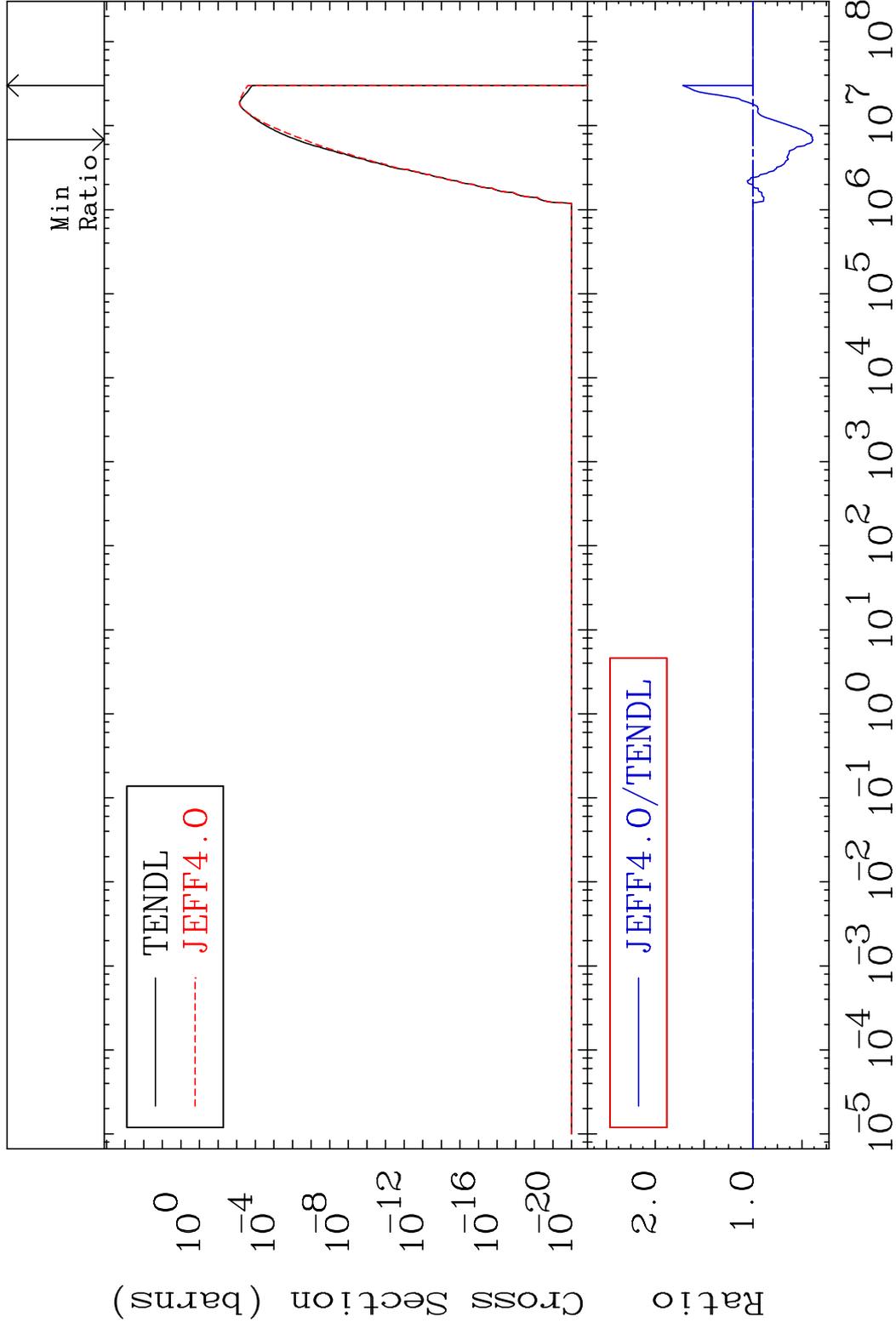
MAT 3725 (n, t):36-Kr-83g 37-Rb-85
 Radionuclide Production Cross Section 983.8 %



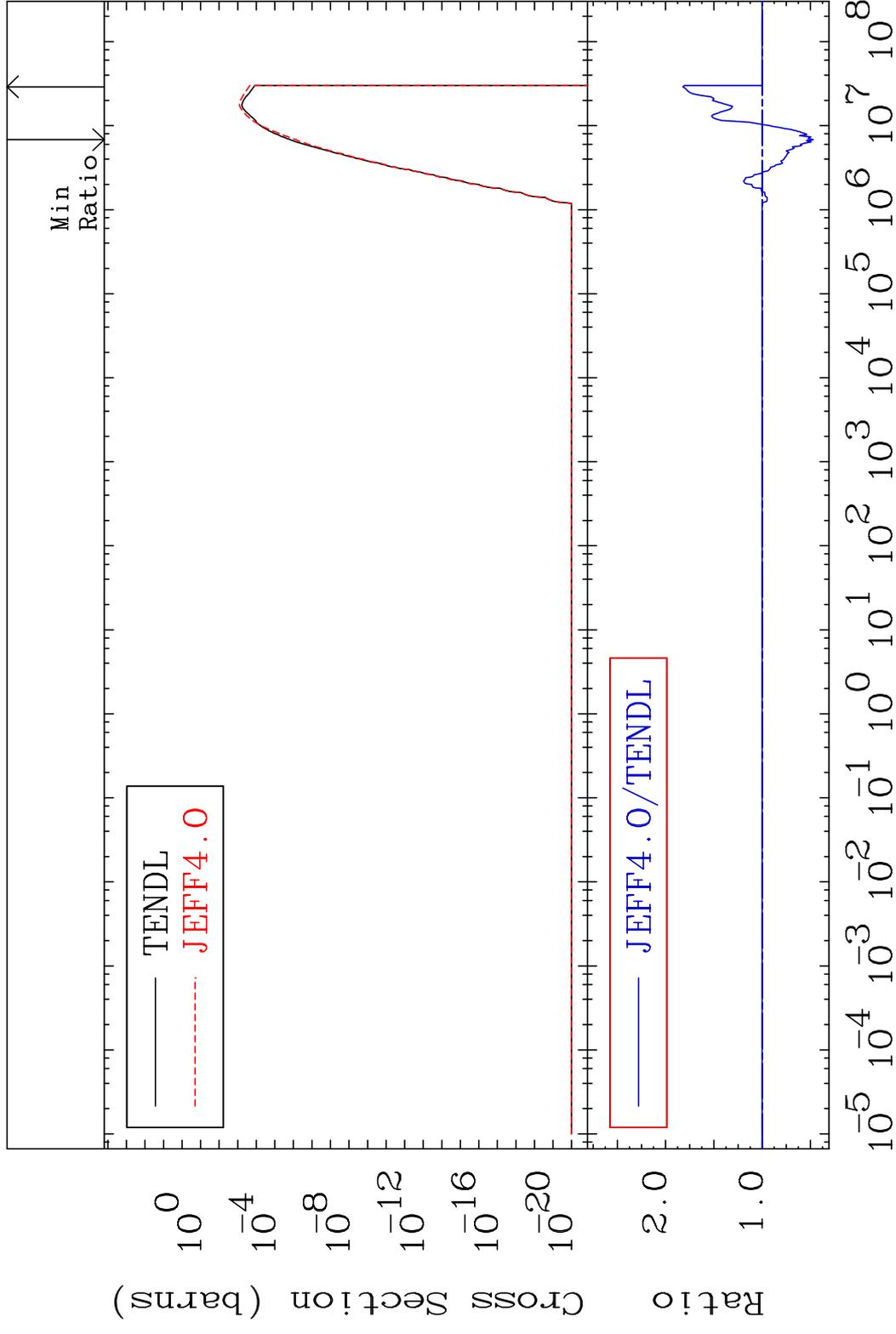
90 Incident Energy (eV) 37-Rb-85



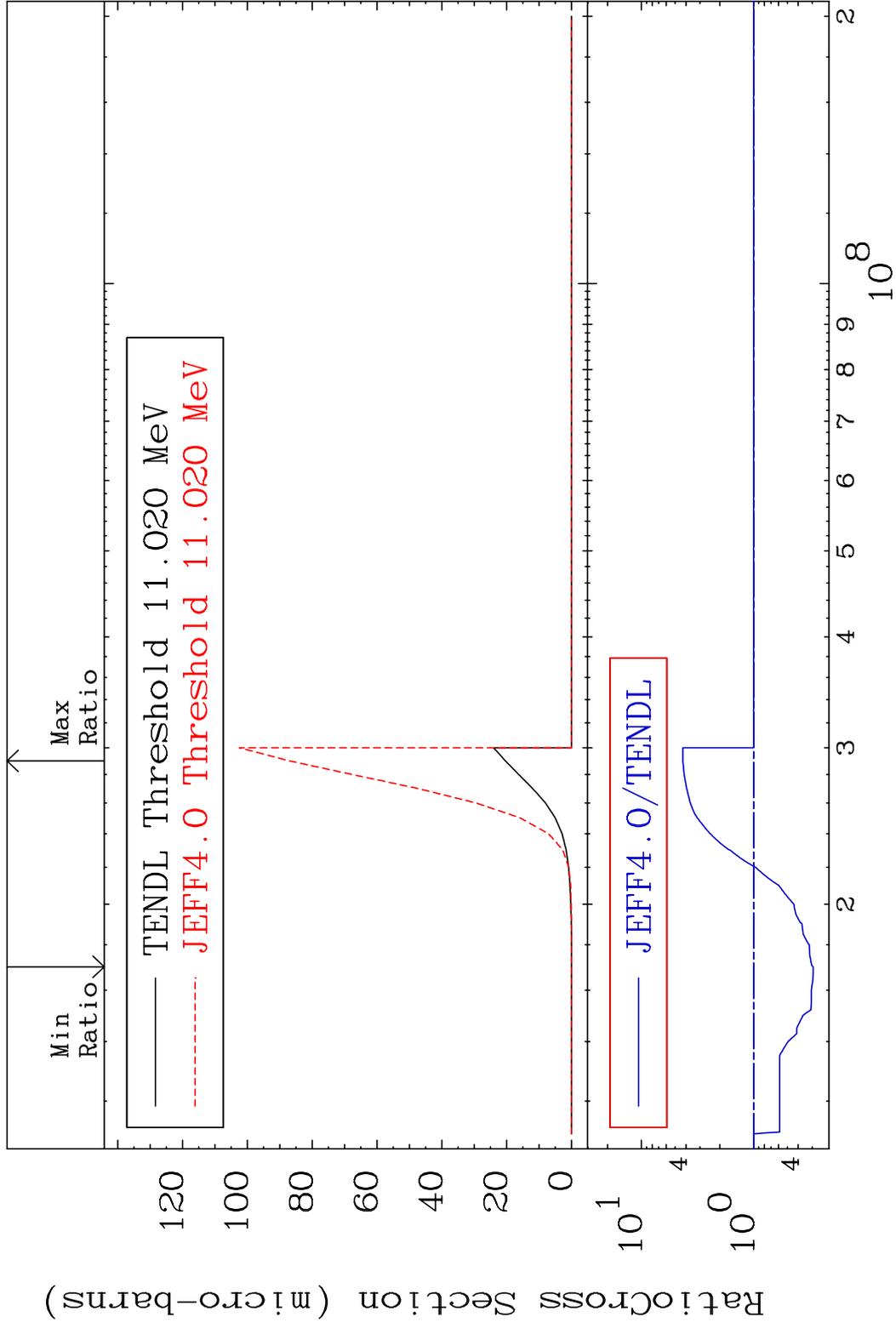
MAT 3725 (n, α): 35-Br-82g 37-Rb-85
 Radionuclide Production Cross Section 71.78 %



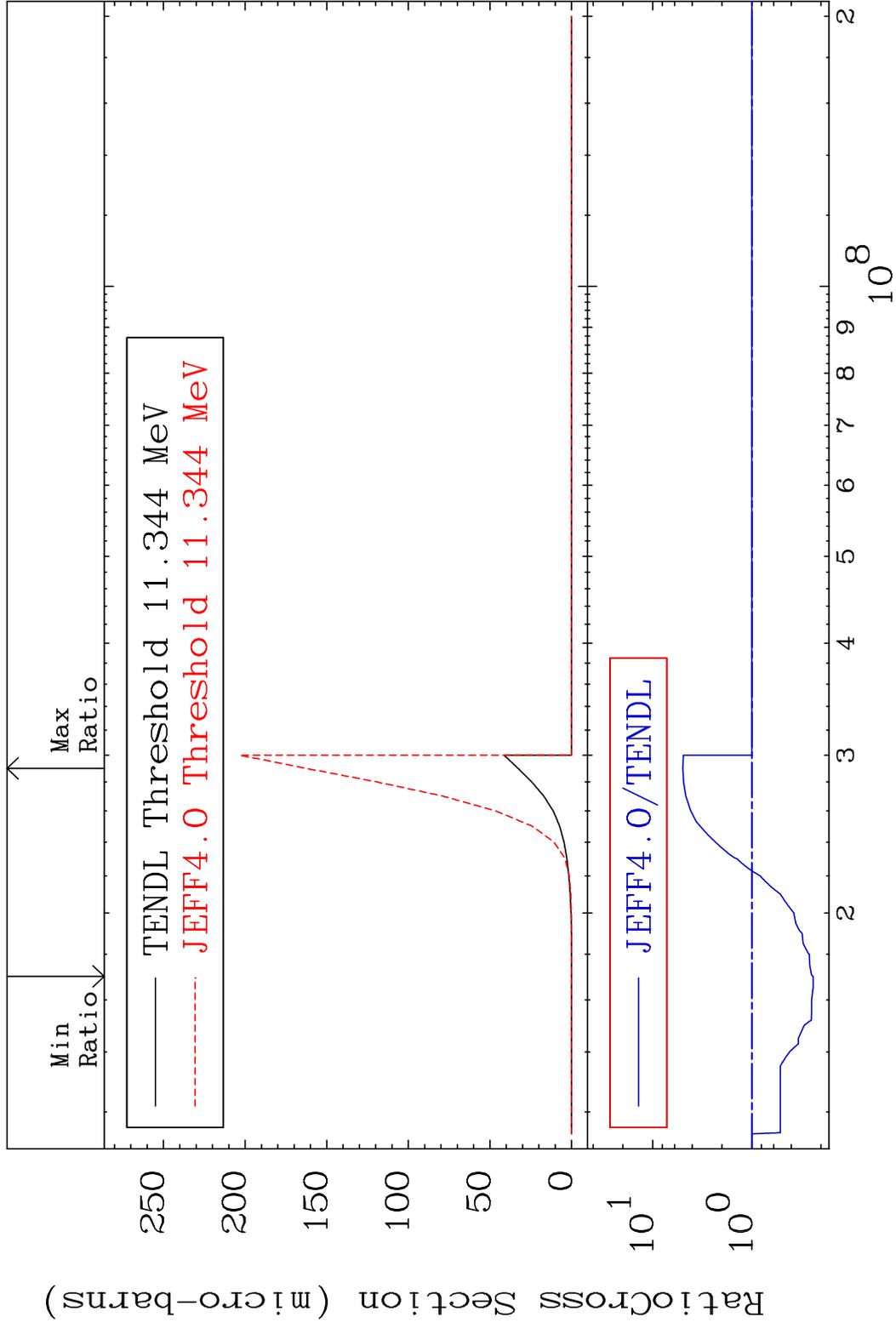
MAT 3725 (n,α):35-Br-82m1 37-Rb-85
 Radionuclide Production Cross Section 82.15 %



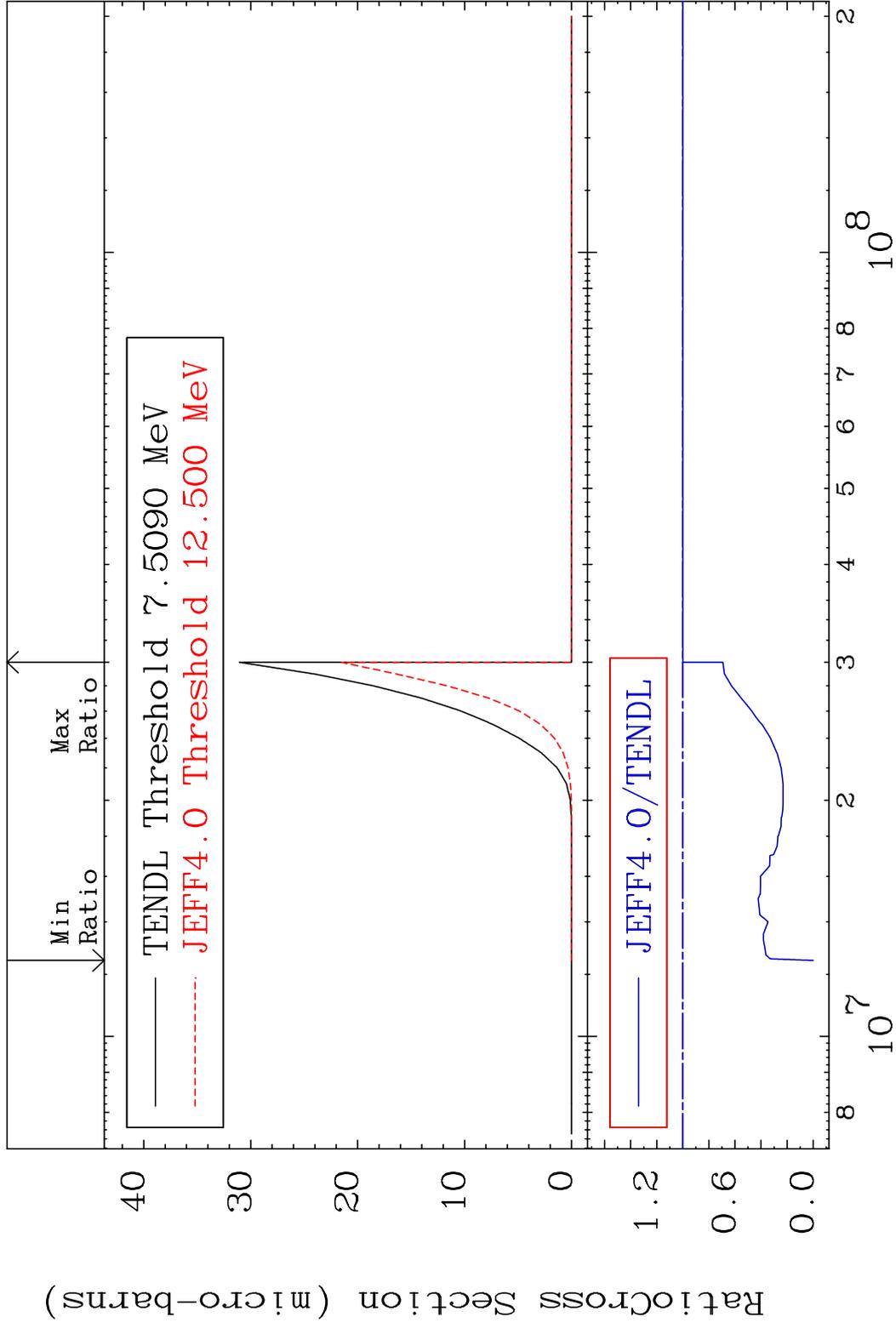
MAT 3725 (n,2p):35-Br-84g 37-Rb-85
 Radionuclide Production Cross Section 326.8 %



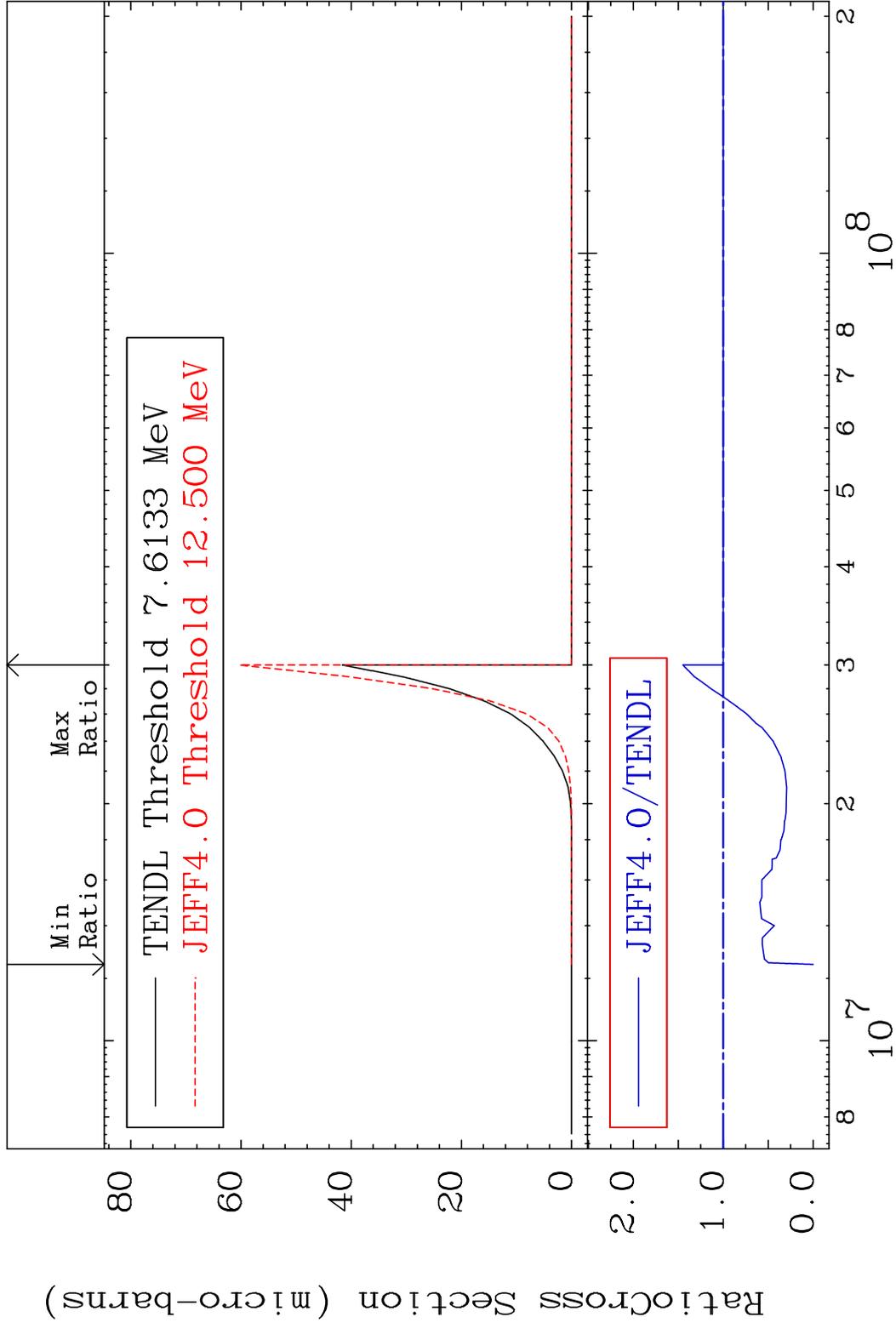
MAT 3725 (n,2p):35-Br-84m1 37-Rb-85
 Radionuclide Production Cross Section 396.9 %

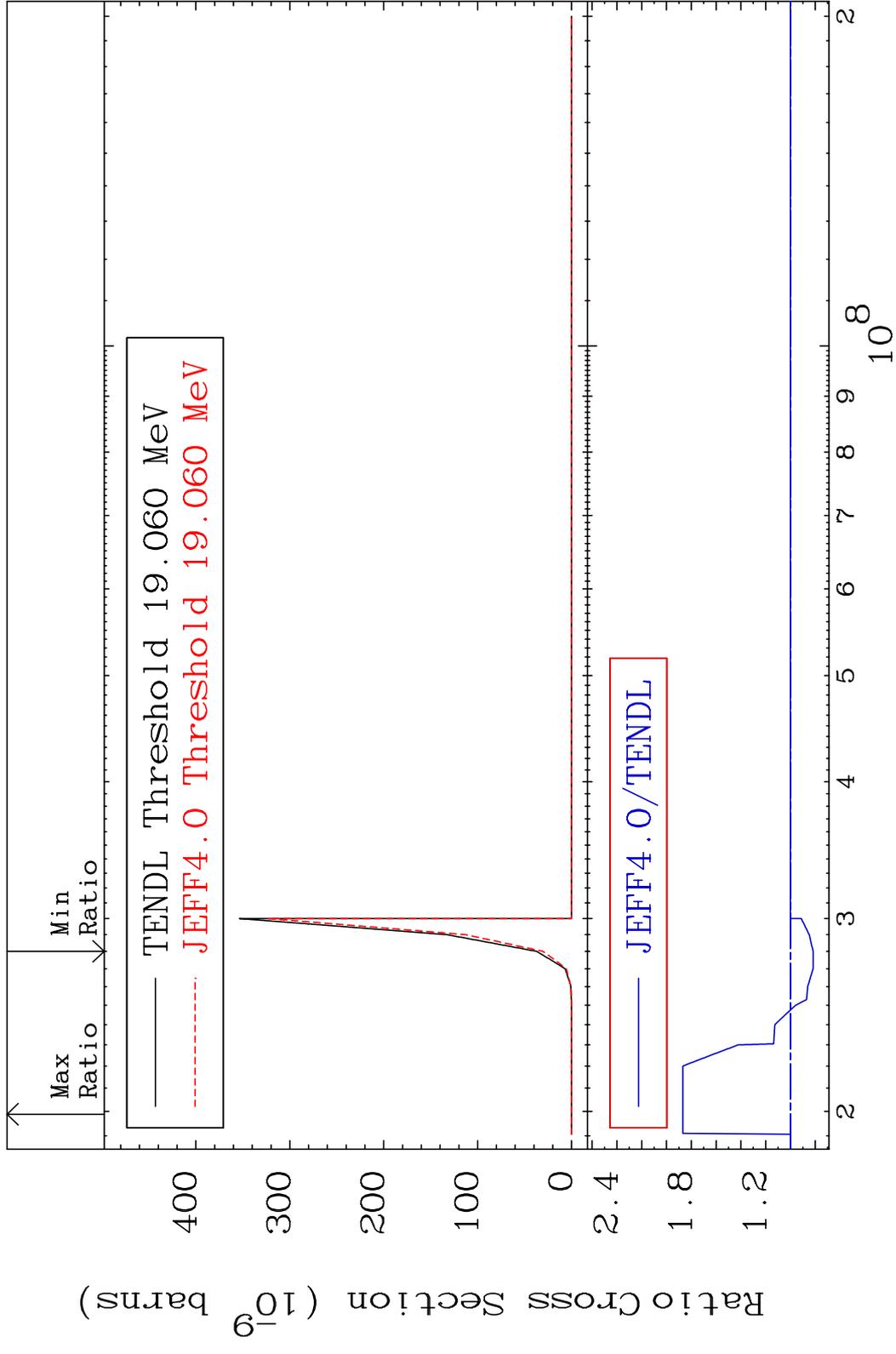


MAT 3725 (n, p) α :34-Se-81g 37-Rb-85
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 3725 (n, p) α :34-Se-81m1 37-Rb-85
 Radionuclide Production Cross Section 180.0 dth 44.88 %





MAT 3725 (n,p) t:35-Br-82m1 37-Rb-85
 Radionuclide Production Cross Section 58.671 d10 0.000 %

