

Program Complot
(Version 2021-1)

by

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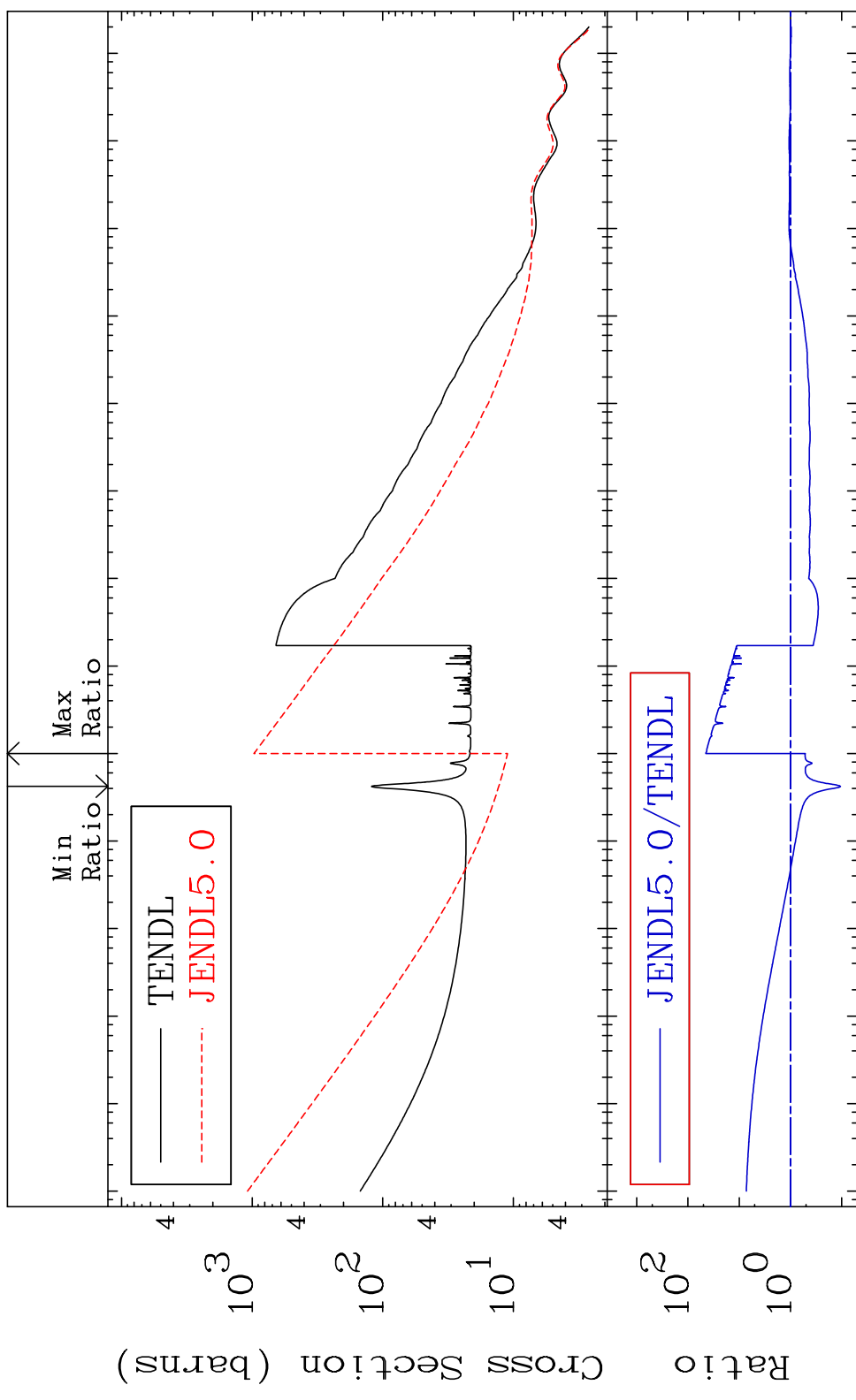
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7123

Total
Cross Section -89.38 To 4400. %

71-Lu-174m



1

Incident Energy (eV)

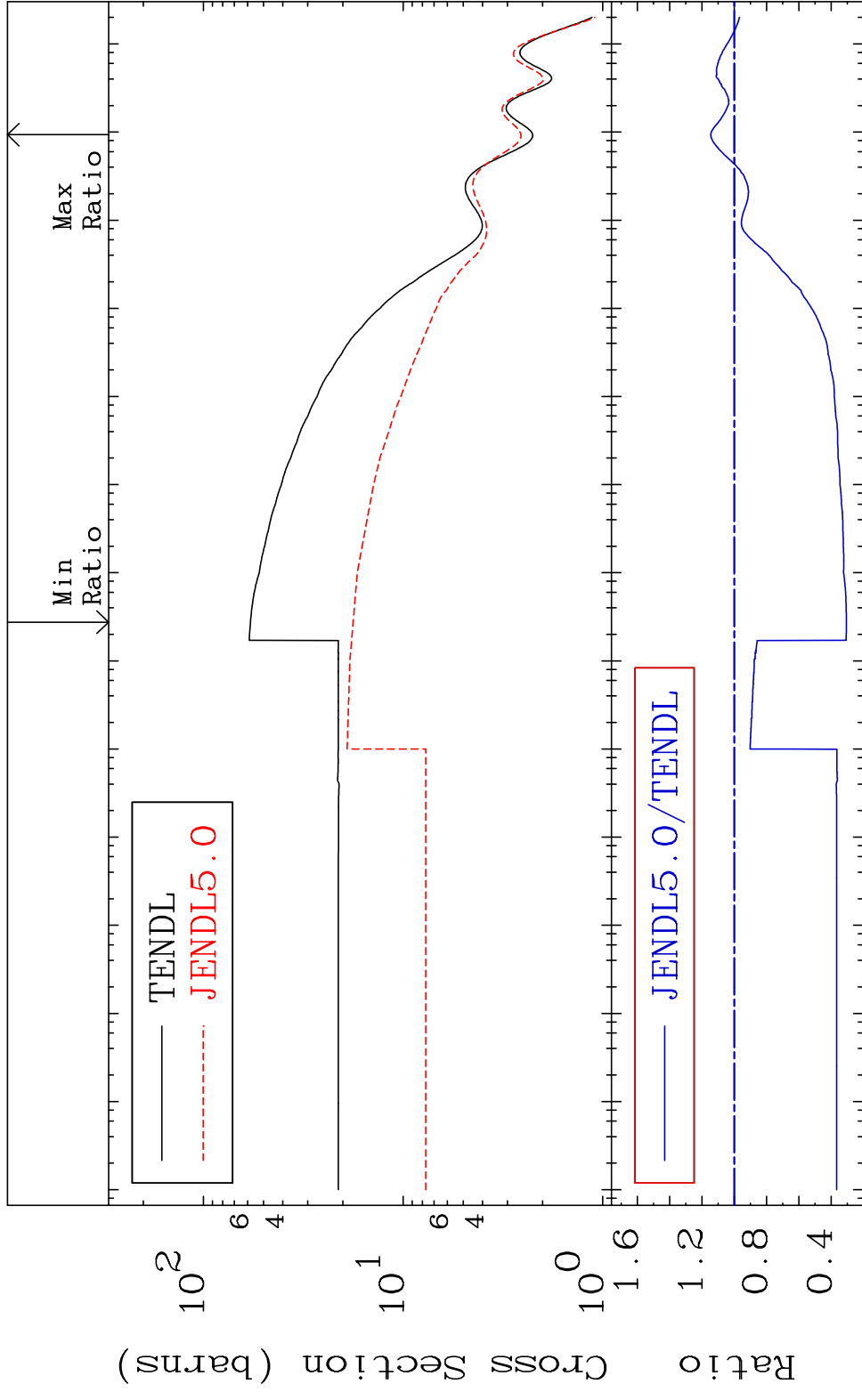
71-Lu-174m

MAT 7123

Elastic

71-Lu-174m

Cross Section -69.39 To 14.58 %



2

Incident Energy (eV)

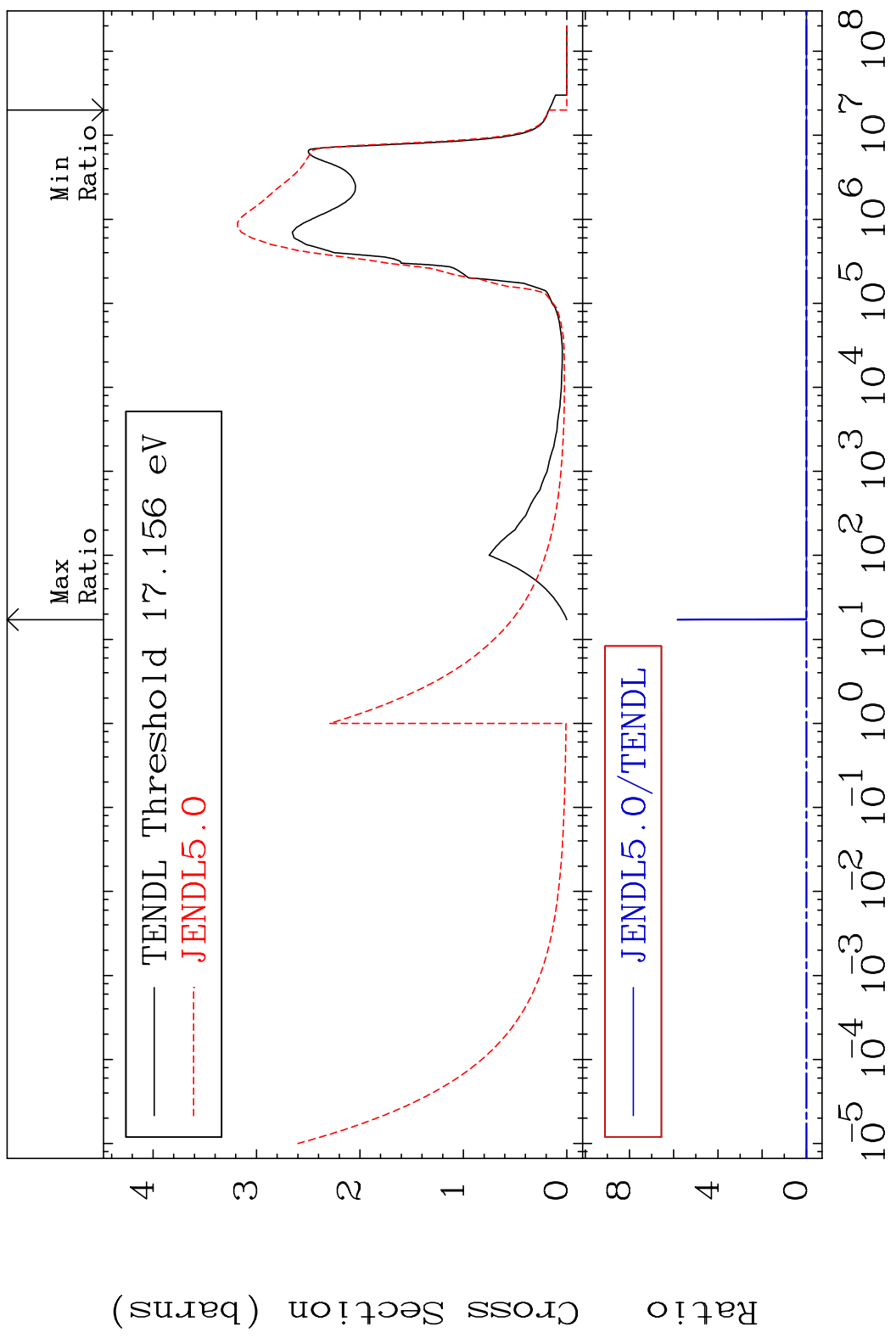
71-Lu-174m

MAT 7123

Inelastic

71-Lu-174m

Cross Section -100.0 To 9999. %

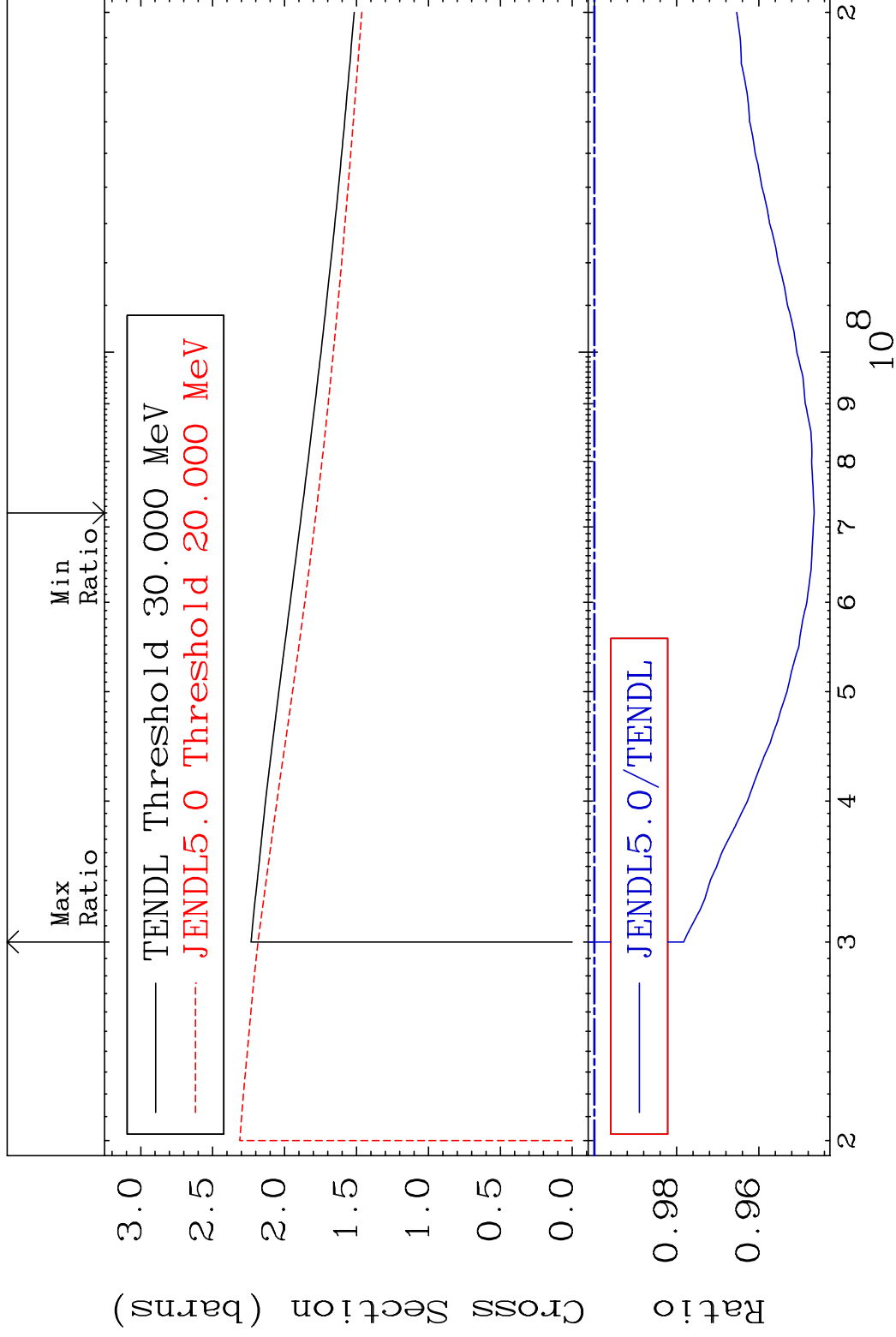


MAT 7123

(n, remainder)

71-Lu-174m

Cross Section -5.346 To -2.173%



4

Incident Energy (eV)

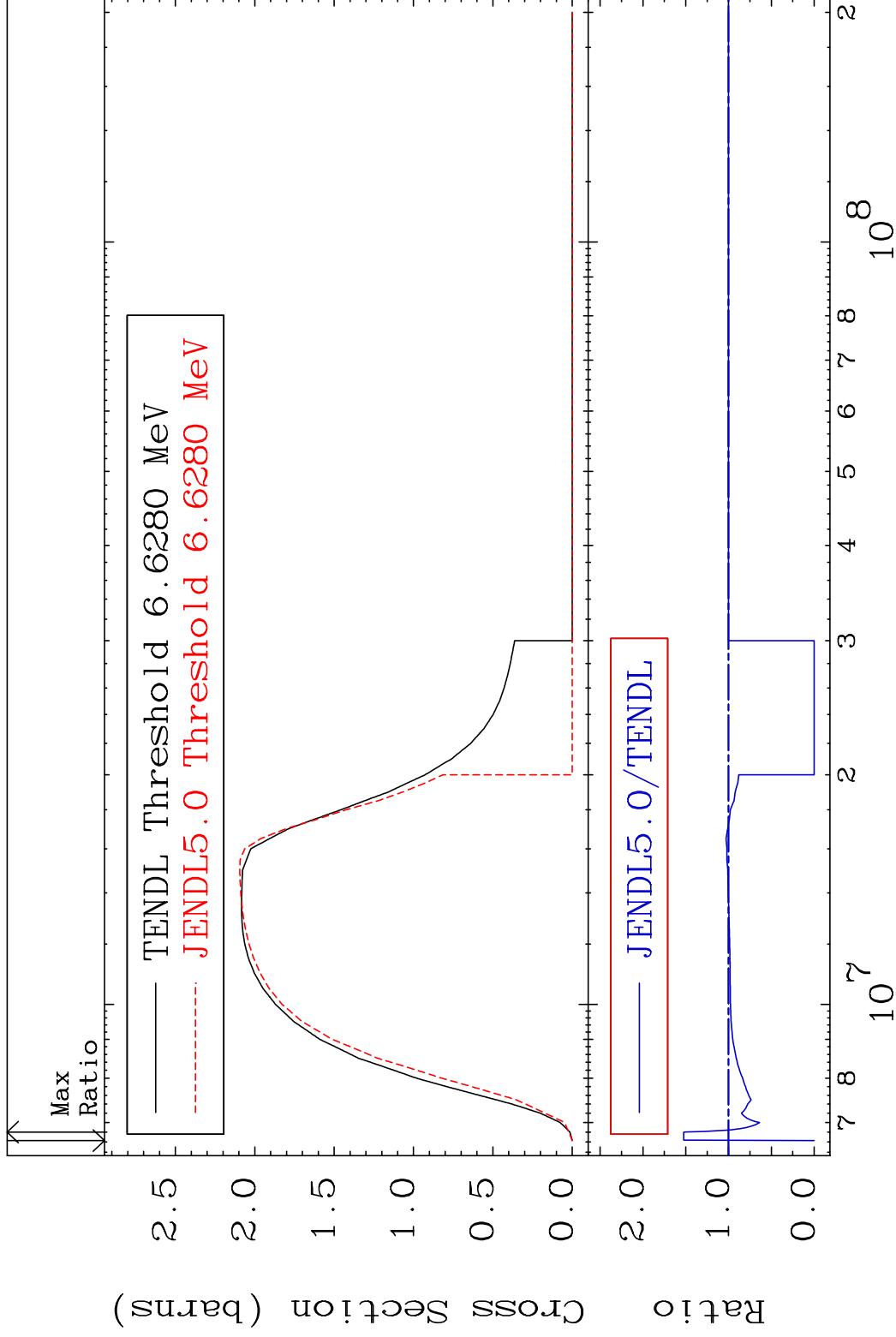
71-Lu-174m

MAT 7123

(n,2n)

71-Lu-174m

Cross Section -100.0 To 52.44 %



5

Incident Energy (eV)

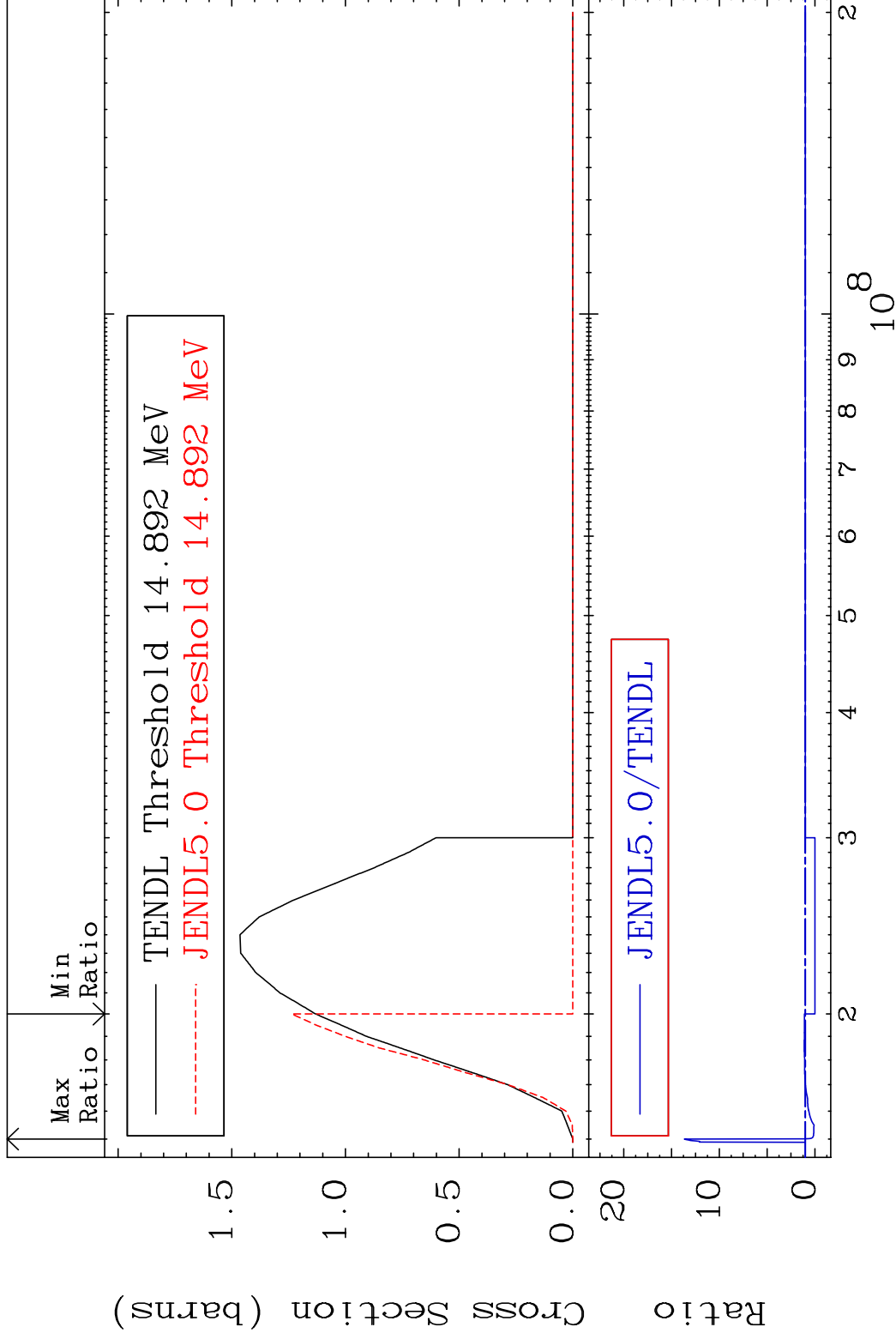
71-Lu-174m

MAT 7123

(n,3n)

71-Lu-174m

Cross Section -100.0 To 1267. %



6

Incident Energy (eV)

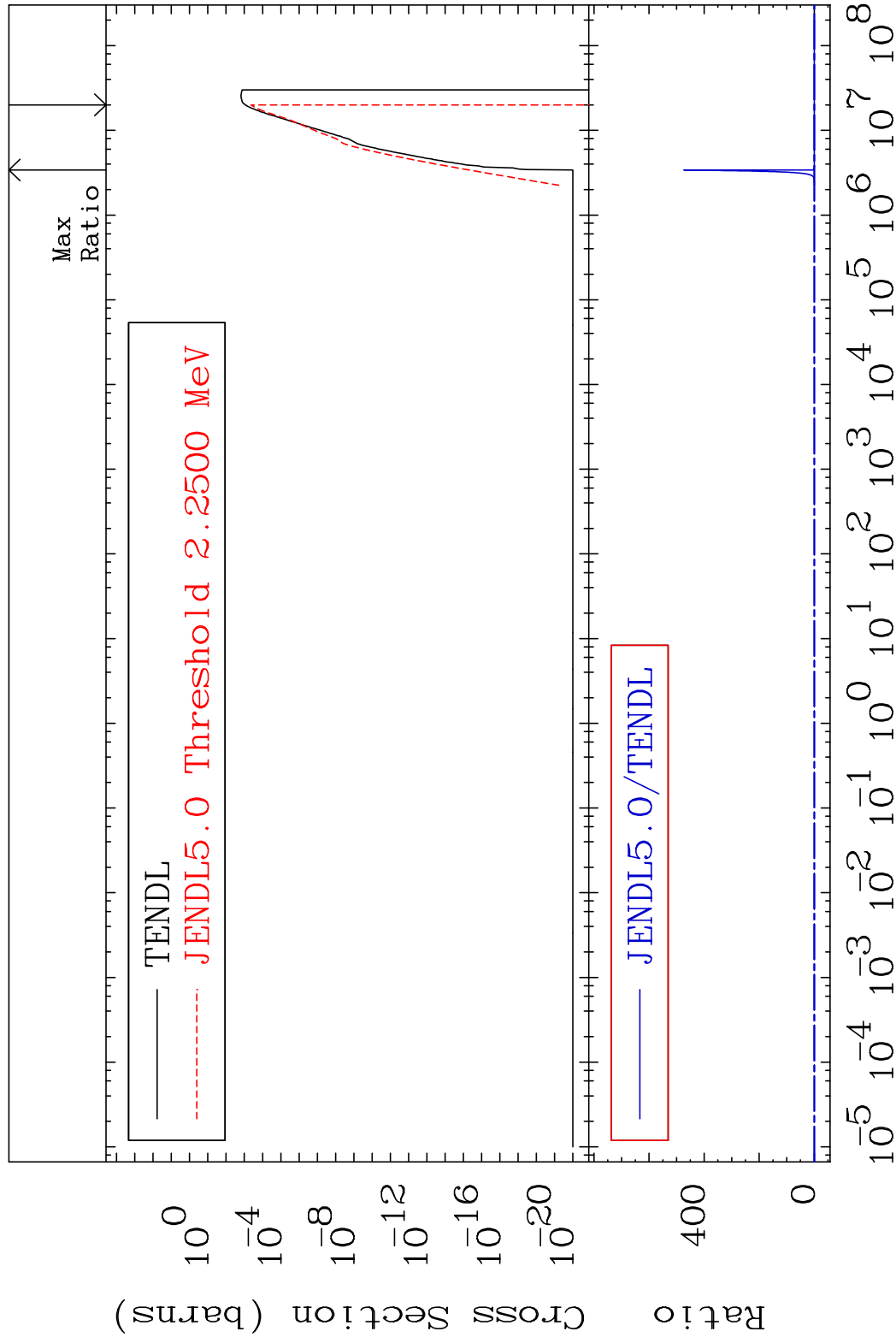
71-Lu-174m

MAT 7123

(n, n') α

71-Lu-174m

Cross Section -100.0 To 9999. %

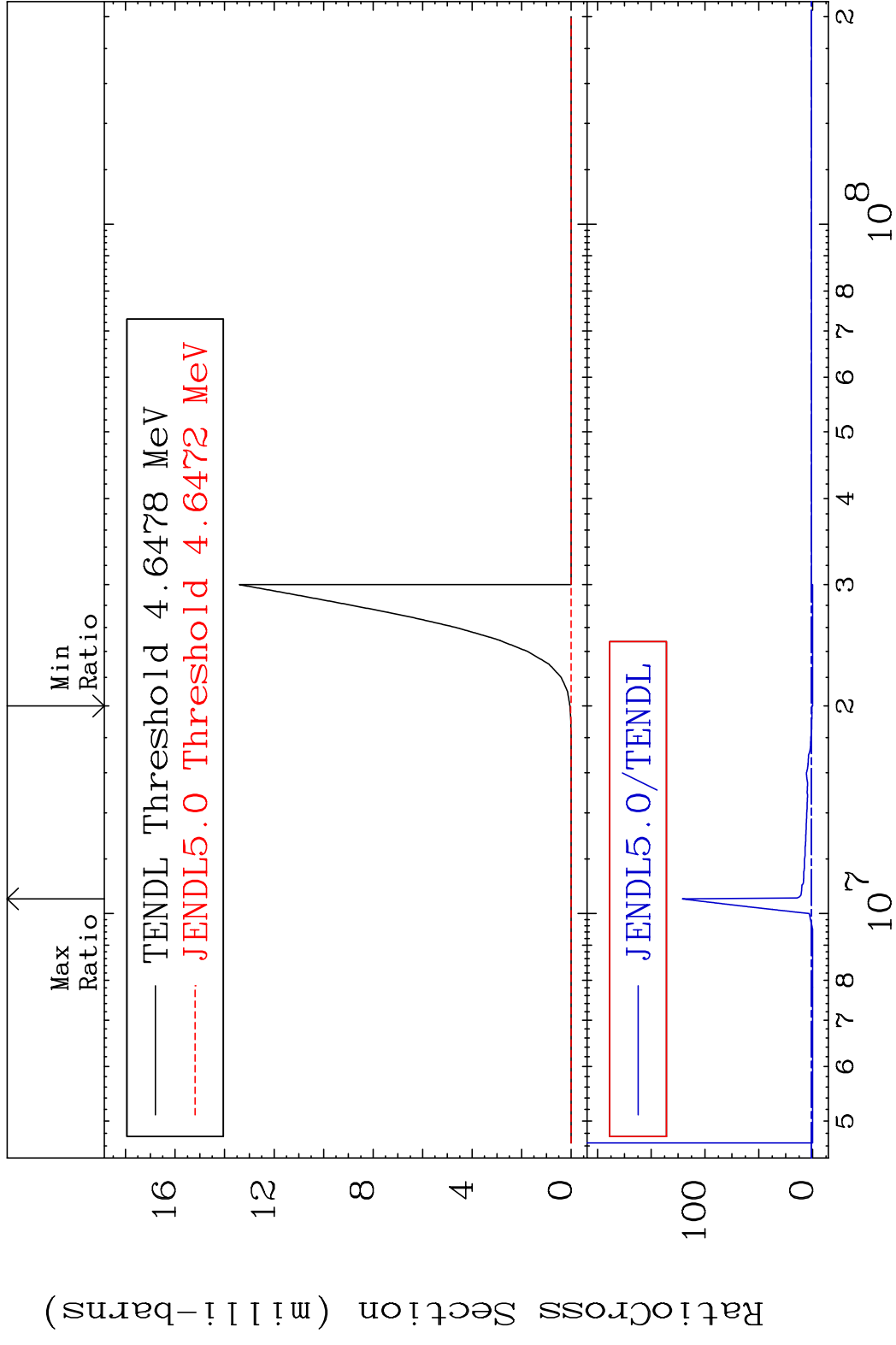


7

Incident Energy (eV)

71-Lu-174m

MAT 7123 (n,2n) α 71-Lu-174m
 Cross Section -100.0 To 9999. %



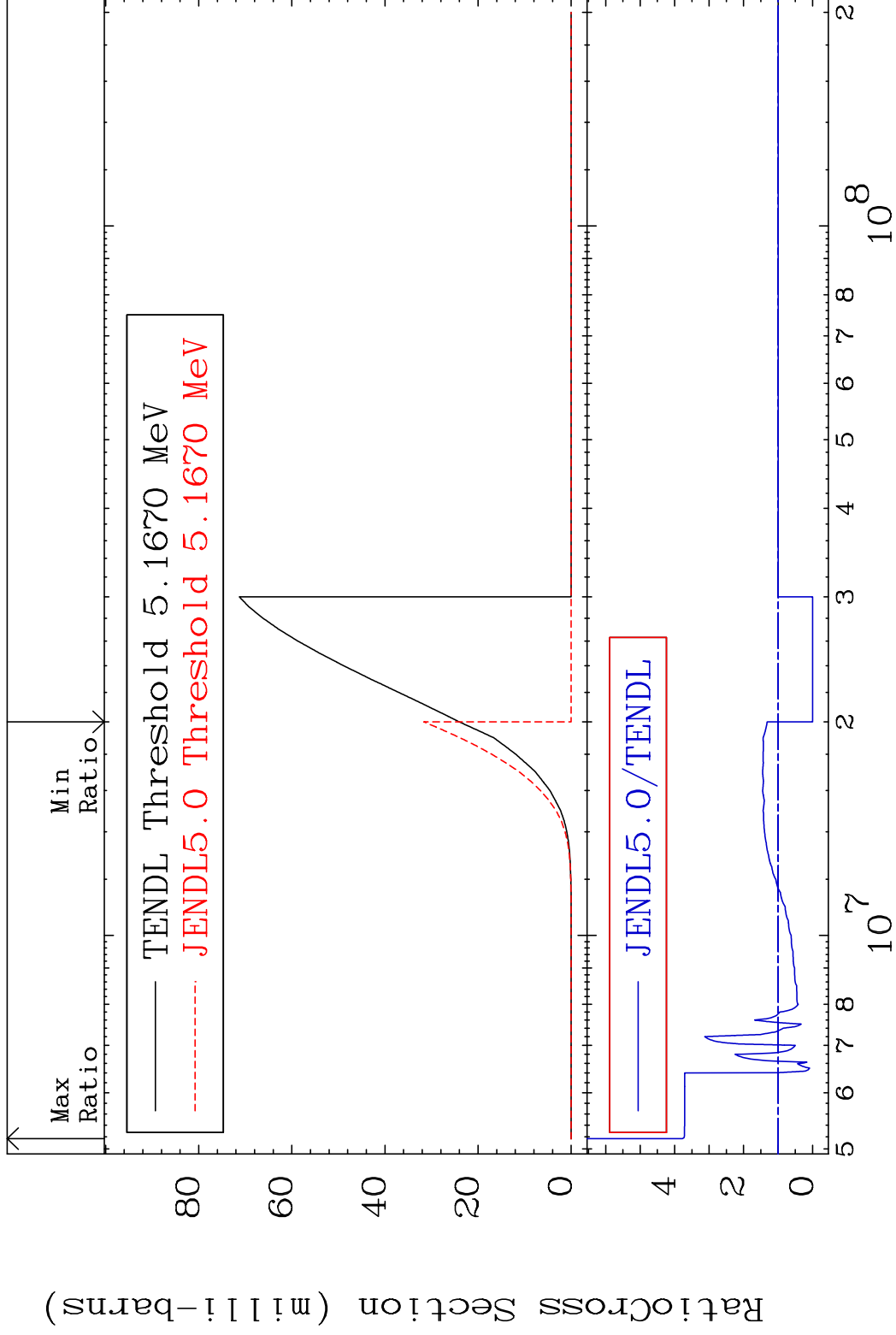
8 Incident Energy (eV) 71-Lu-174m

MAT 7123

(n, n') p

71-Lu-174m

Cross Section -100.0 To 277.6 %



9

Incident Energy (eV)

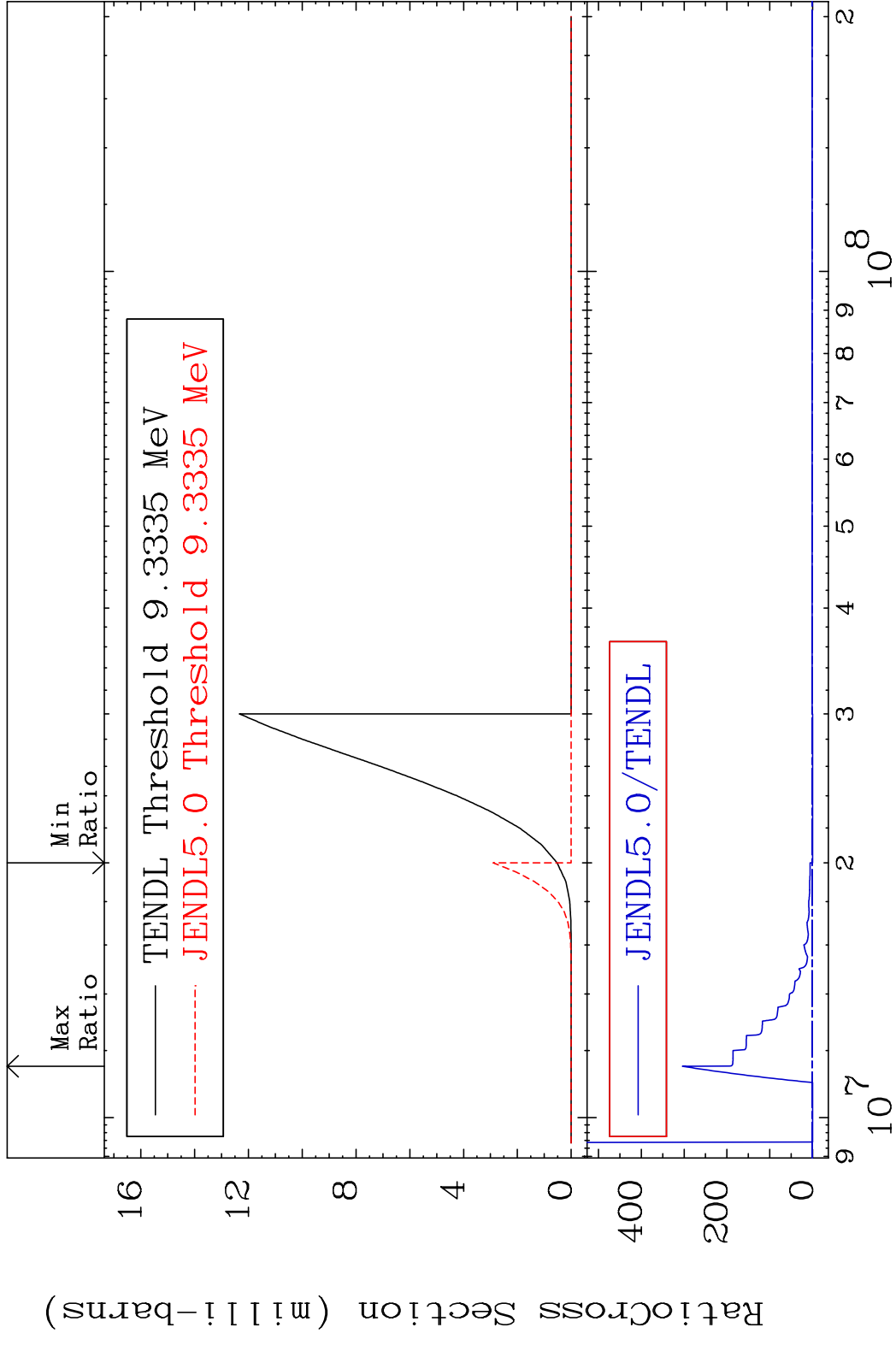
71-Lu-174m

MAT 7123

(n, n') d

71-Lu-174m

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

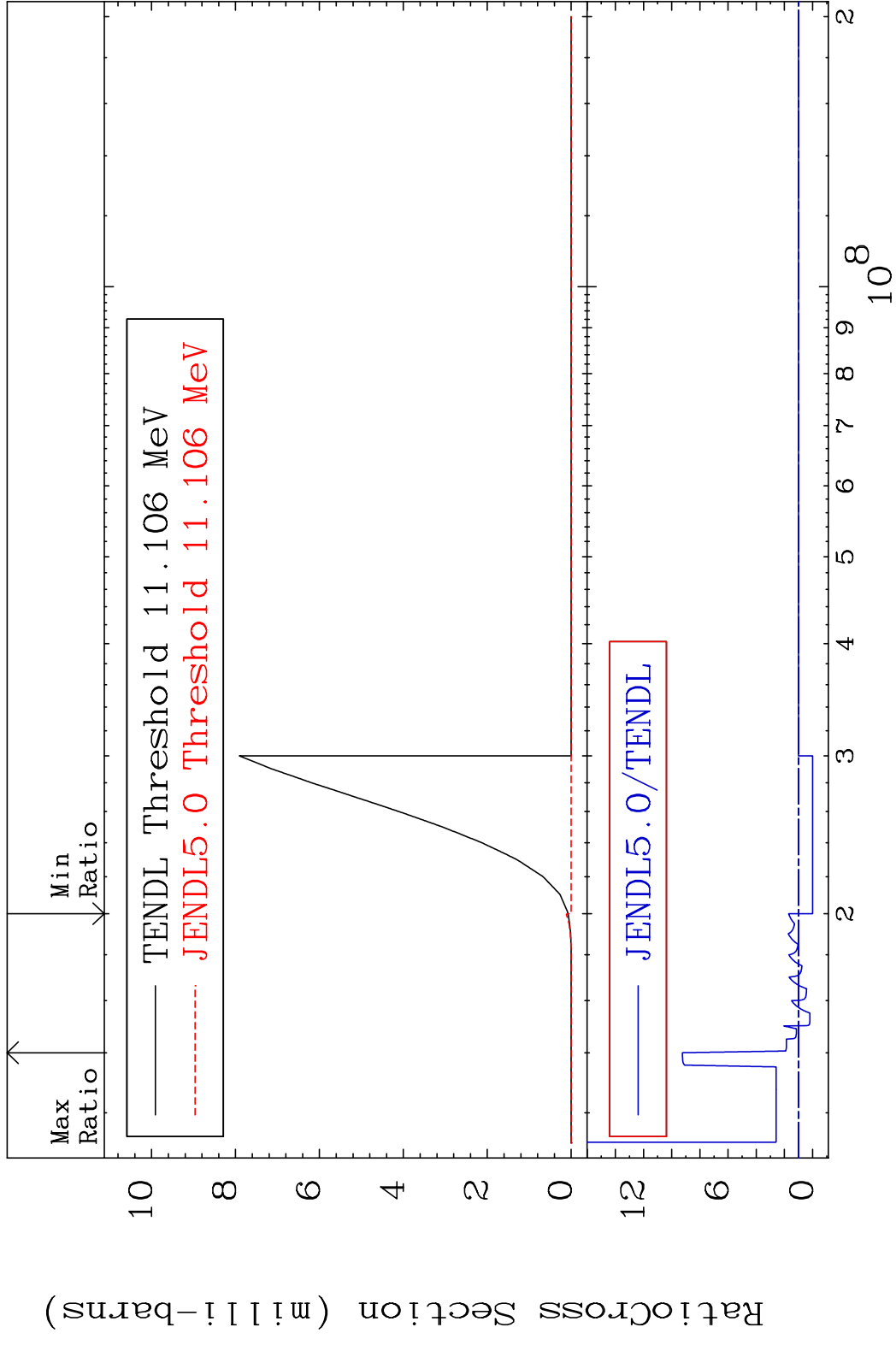
71-Lu-174m

MAT 7123

(n, n') t

71-Lu-174m

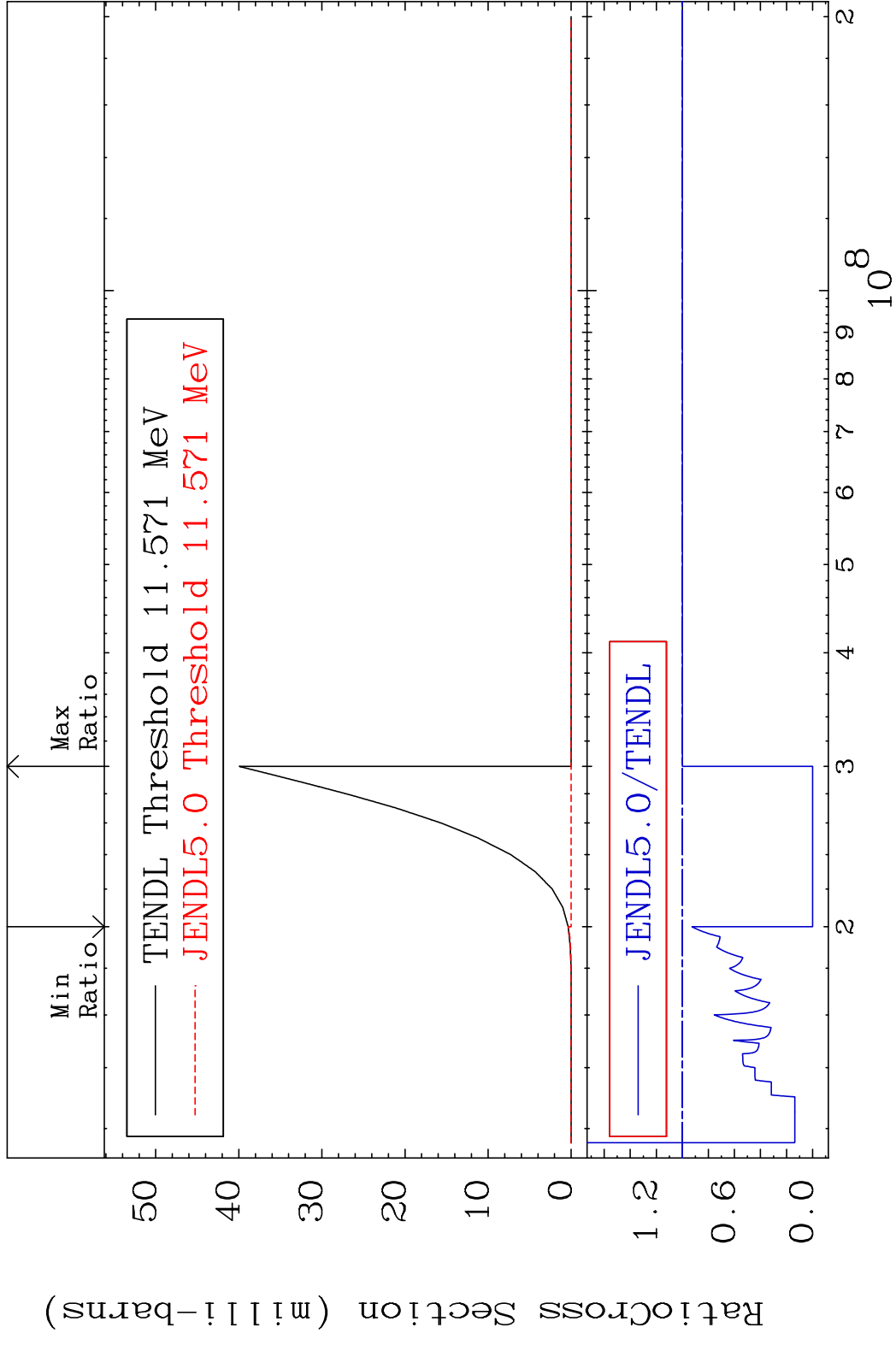
Cross Section -100.0 To 824.5 %



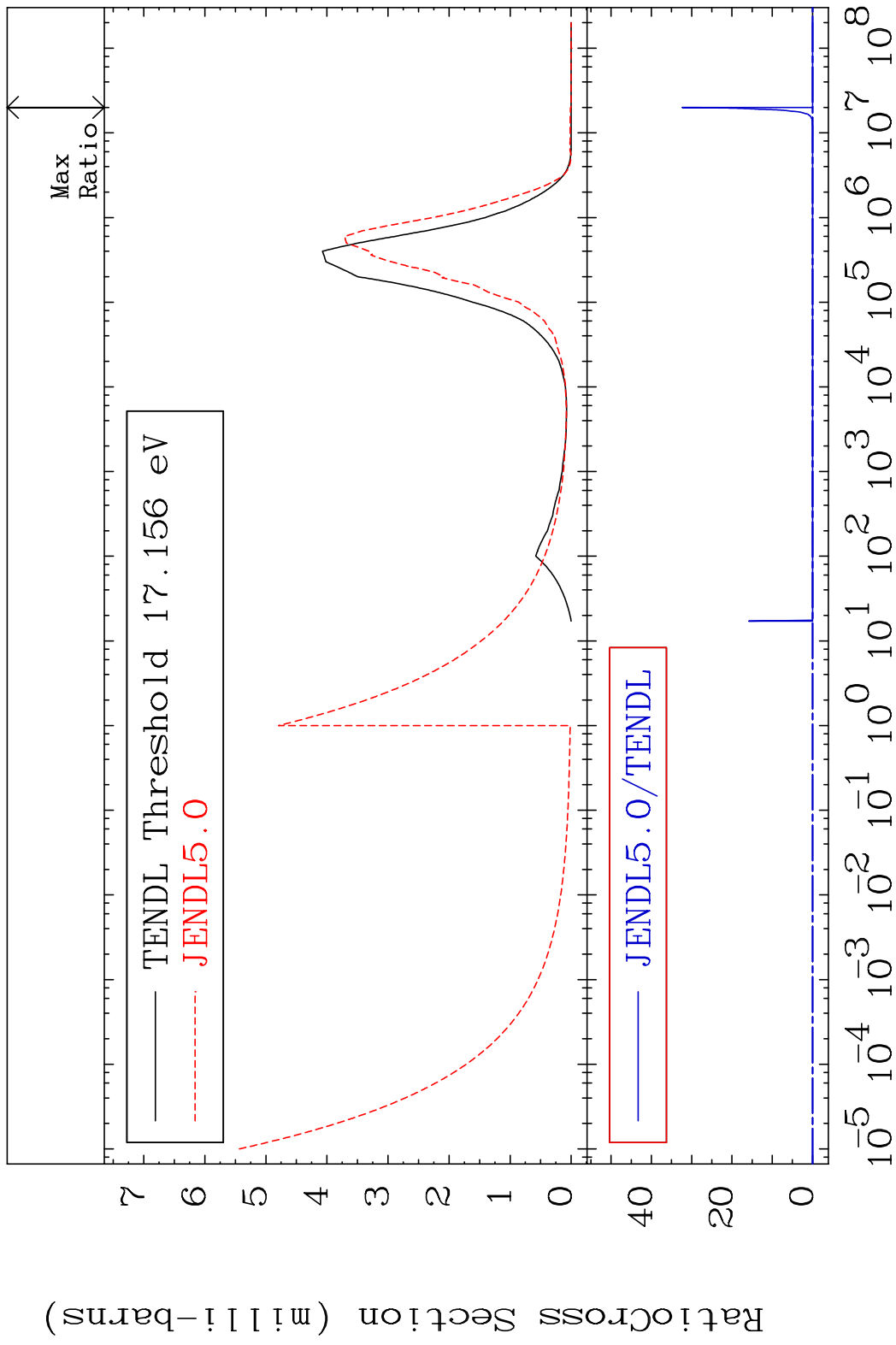
MAT 7123

(n,2n) p 71-Lu-174m

Cross Section -100.0 To 0.000 %

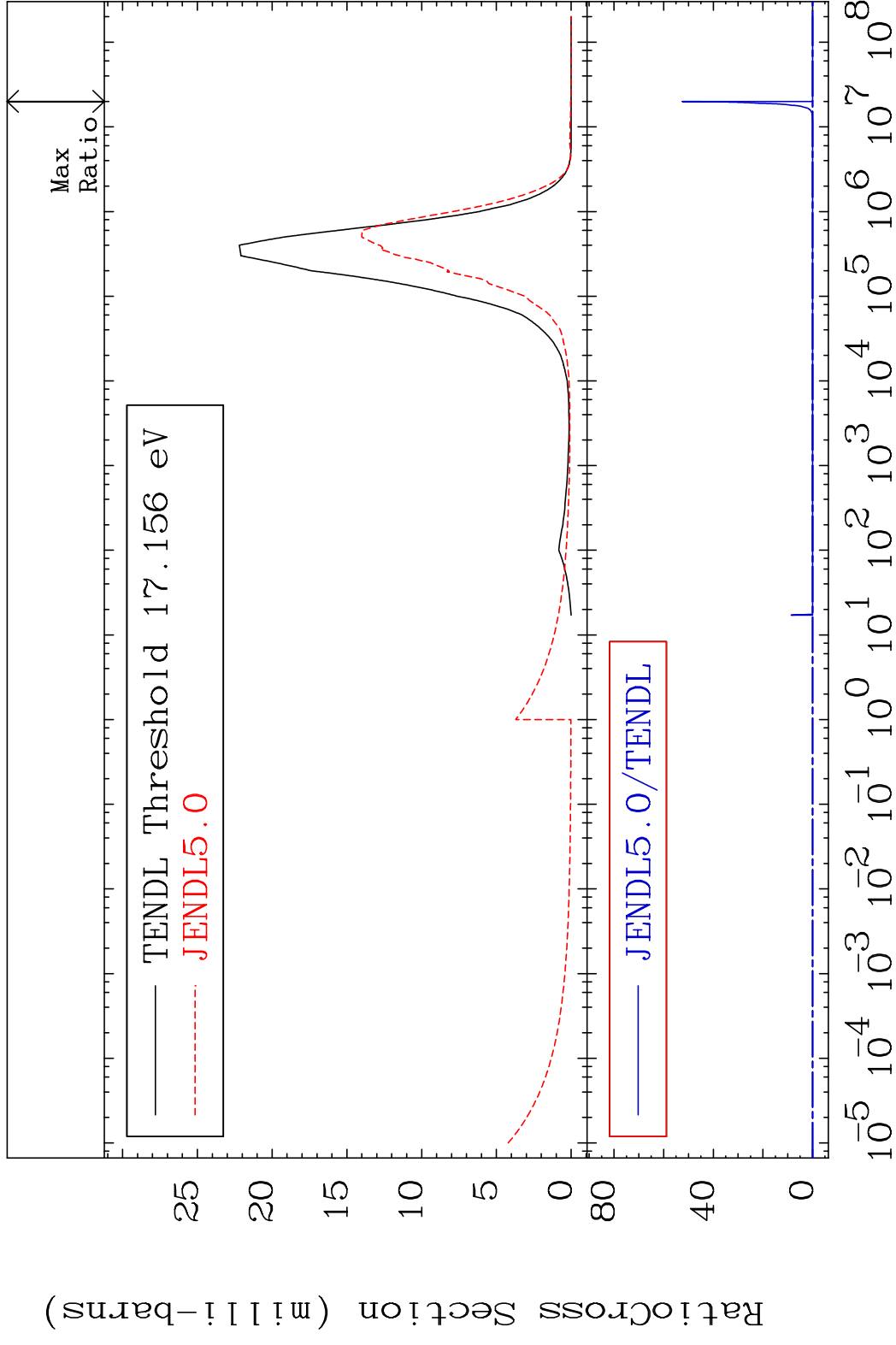


MAT 7123 MT= 51 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



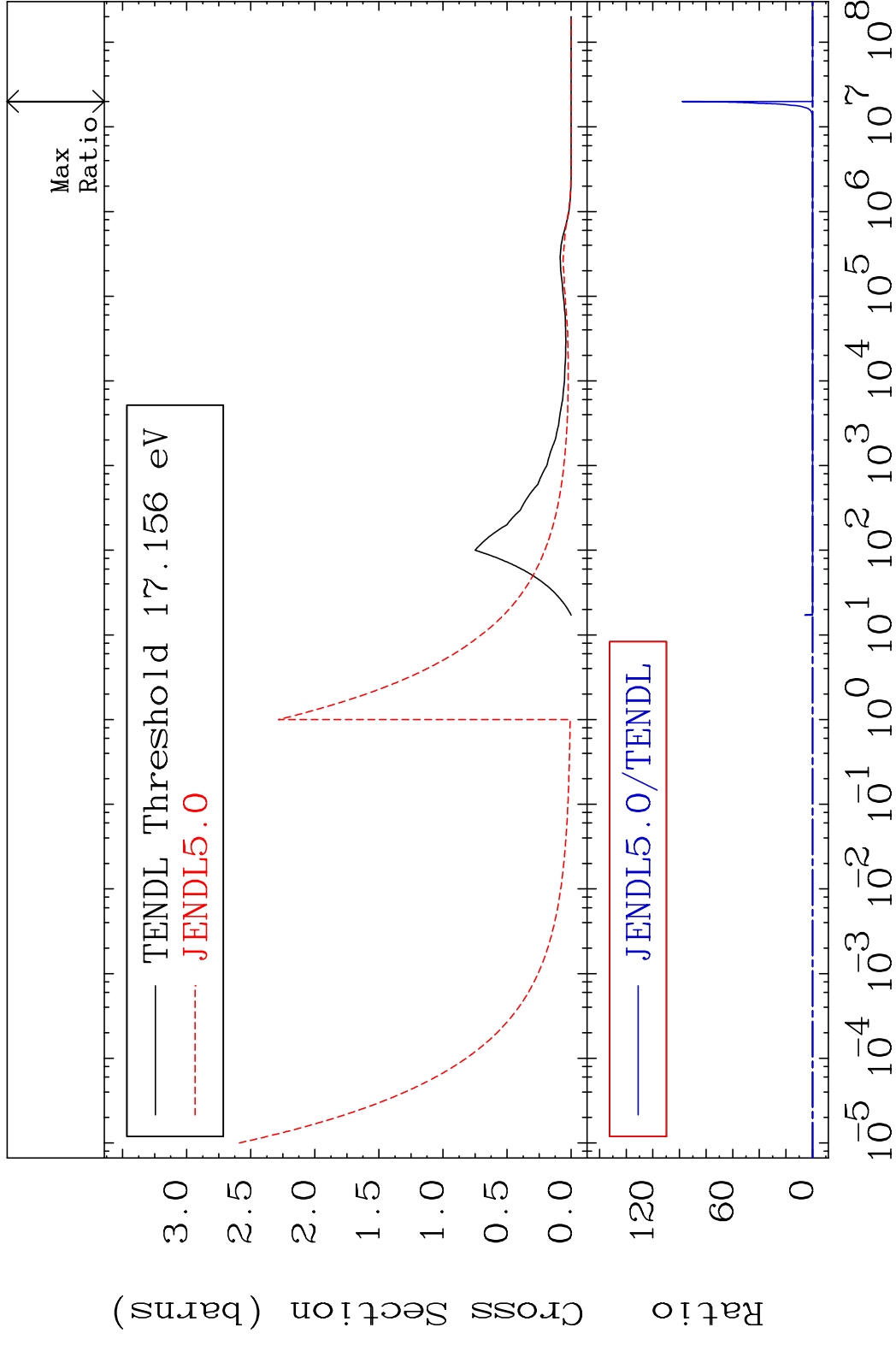
13 71-Lu-174m

MAT 7123 MT= 52 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



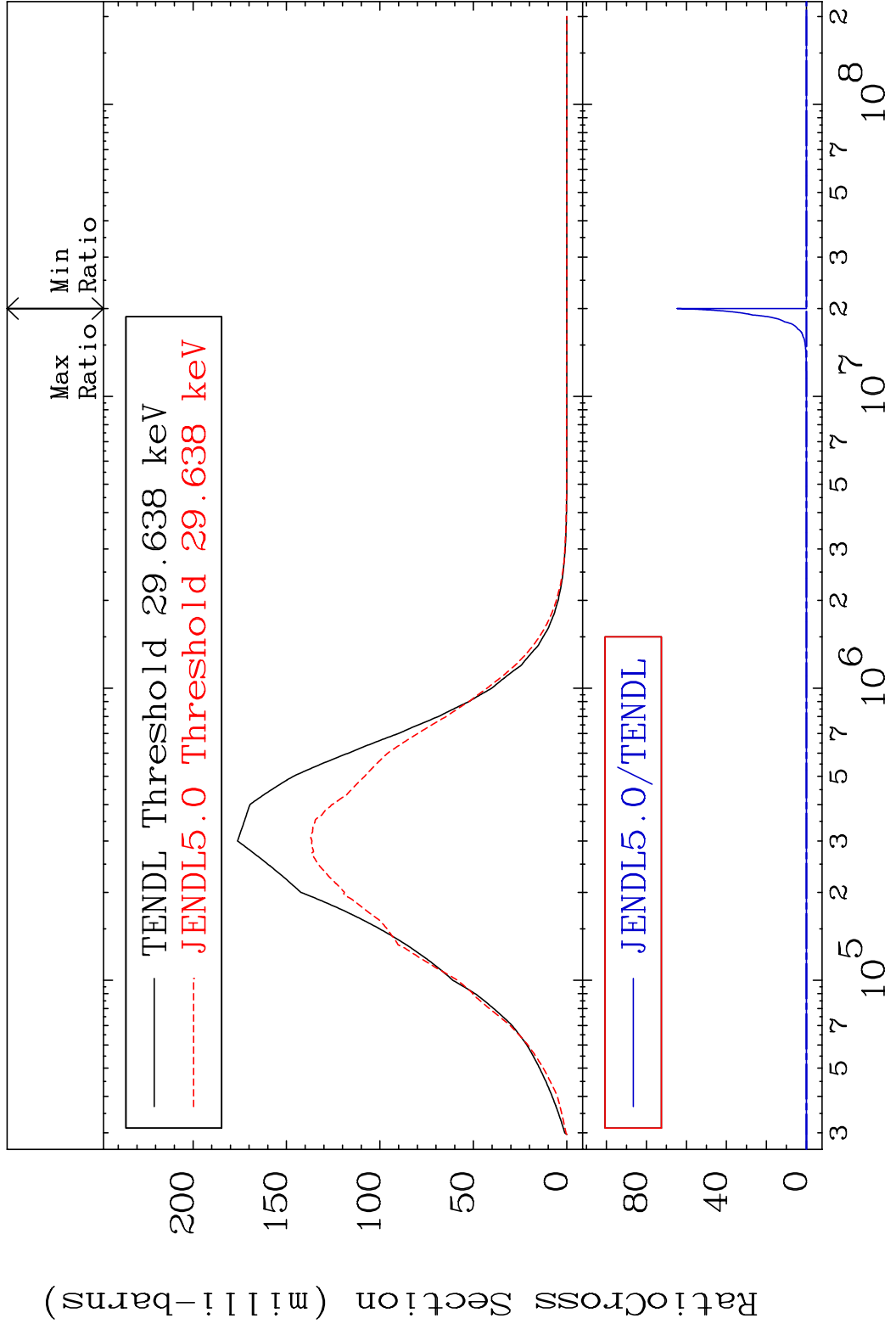
14 Incident Energy (eV) 71-Lu-174m

MAT 7123 MT= 53 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



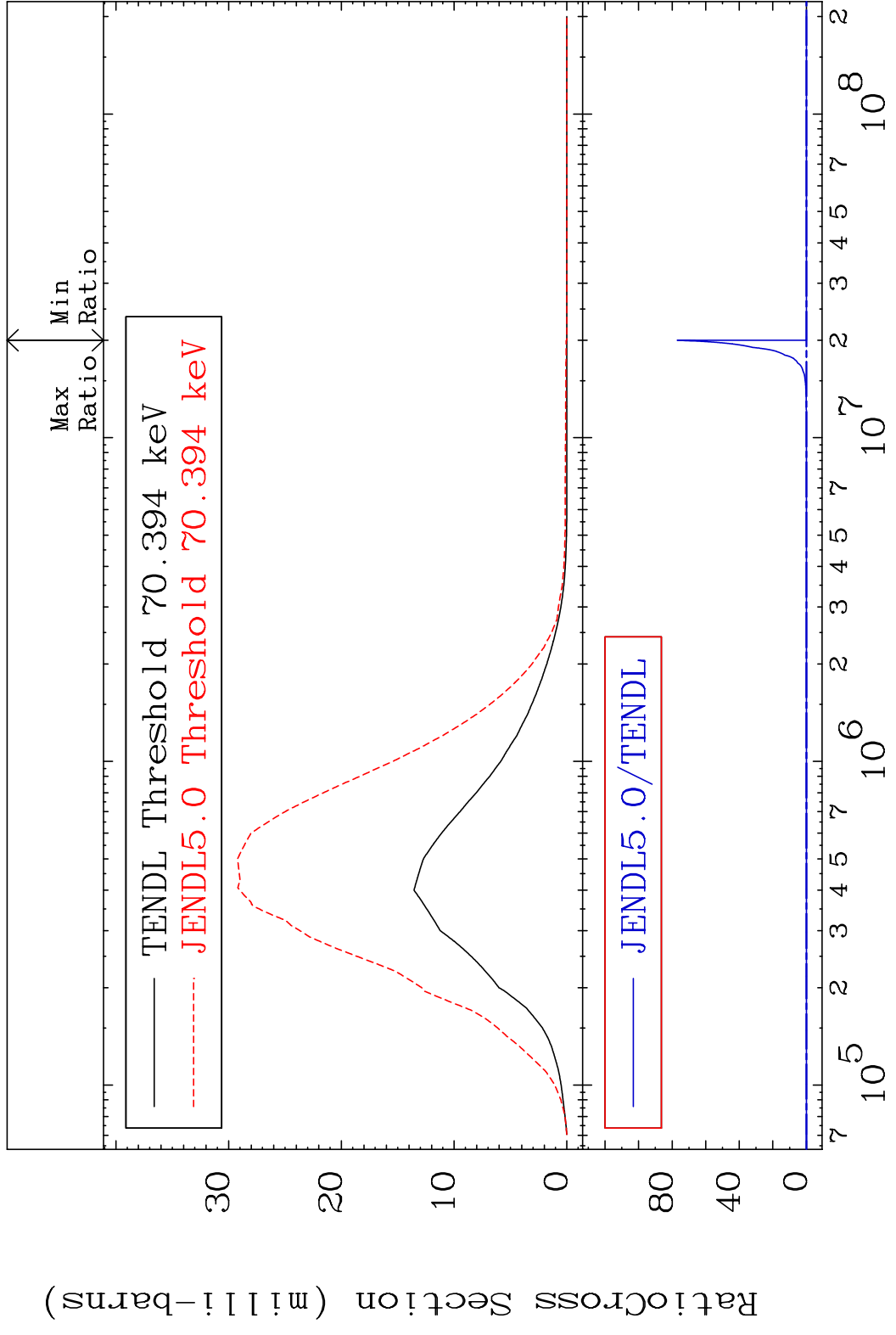
15 Incident Energy (eV) 71-Lu-174m

MAT 7123 MT= 54 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



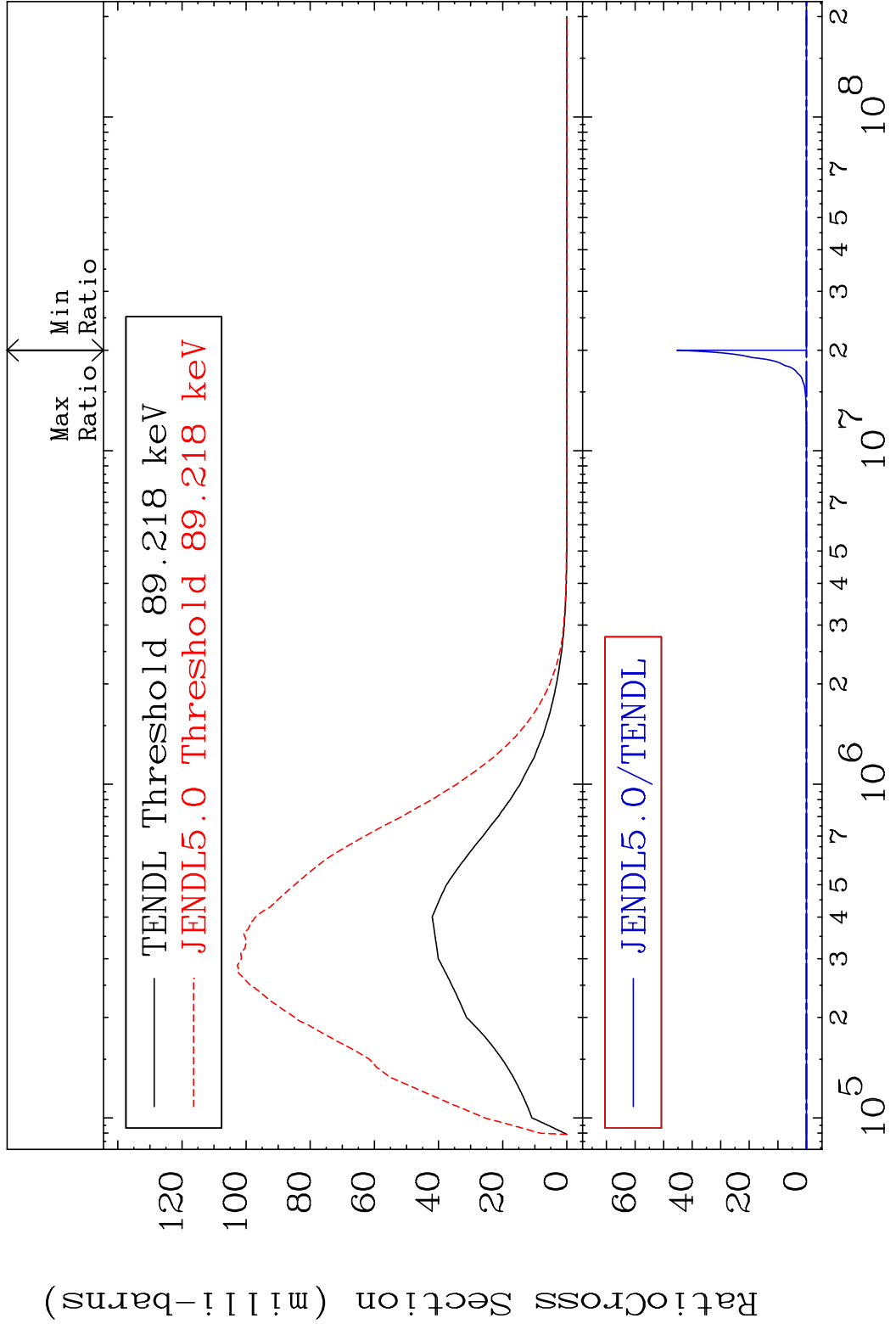
16 Incident Energy (eV) 71-Lu-174m

MAT 7123 MT= 55 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



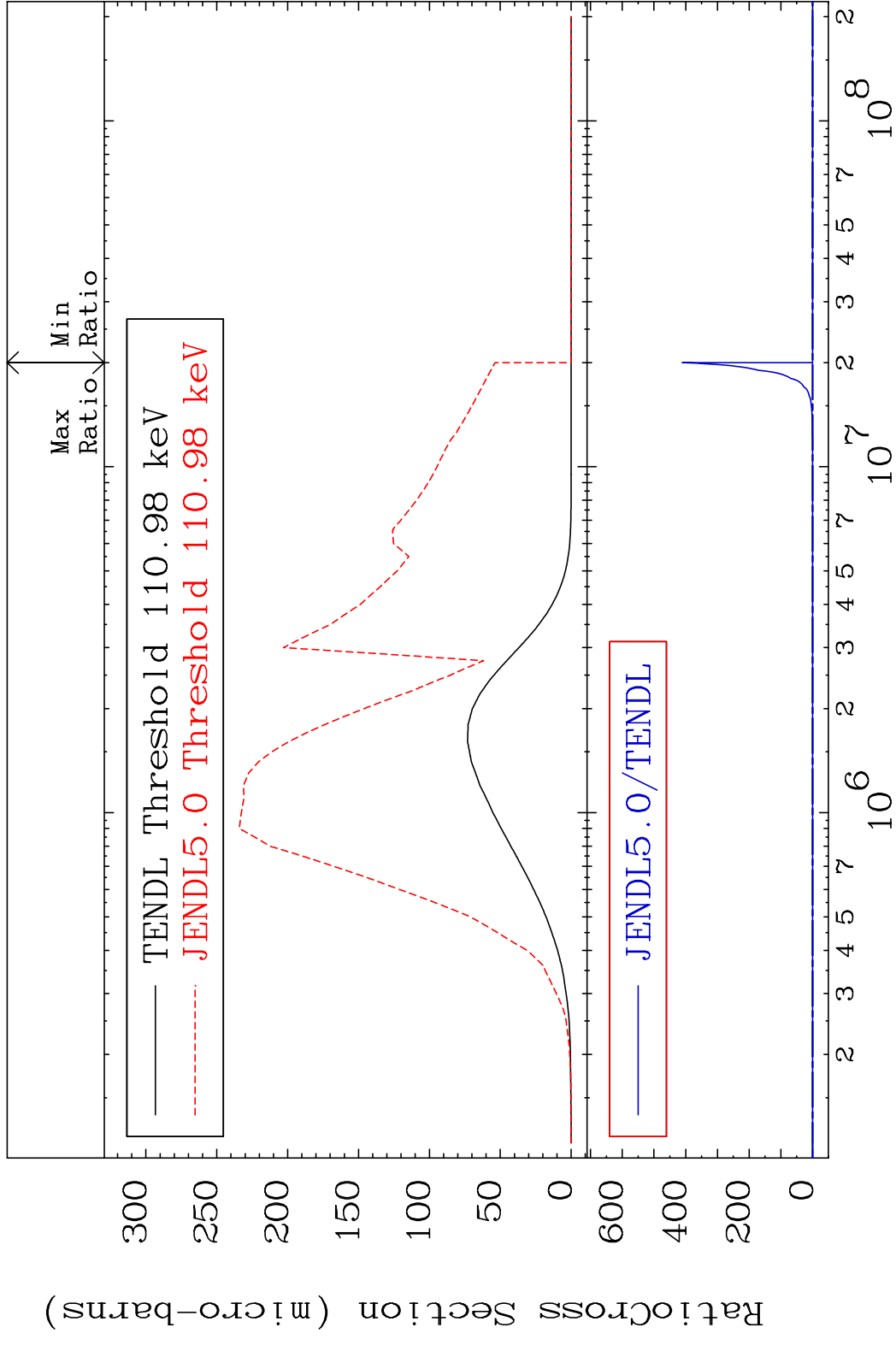
17 Incident Energy (eV) 71-Lu-174m

MAT 7123 MT= 56 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

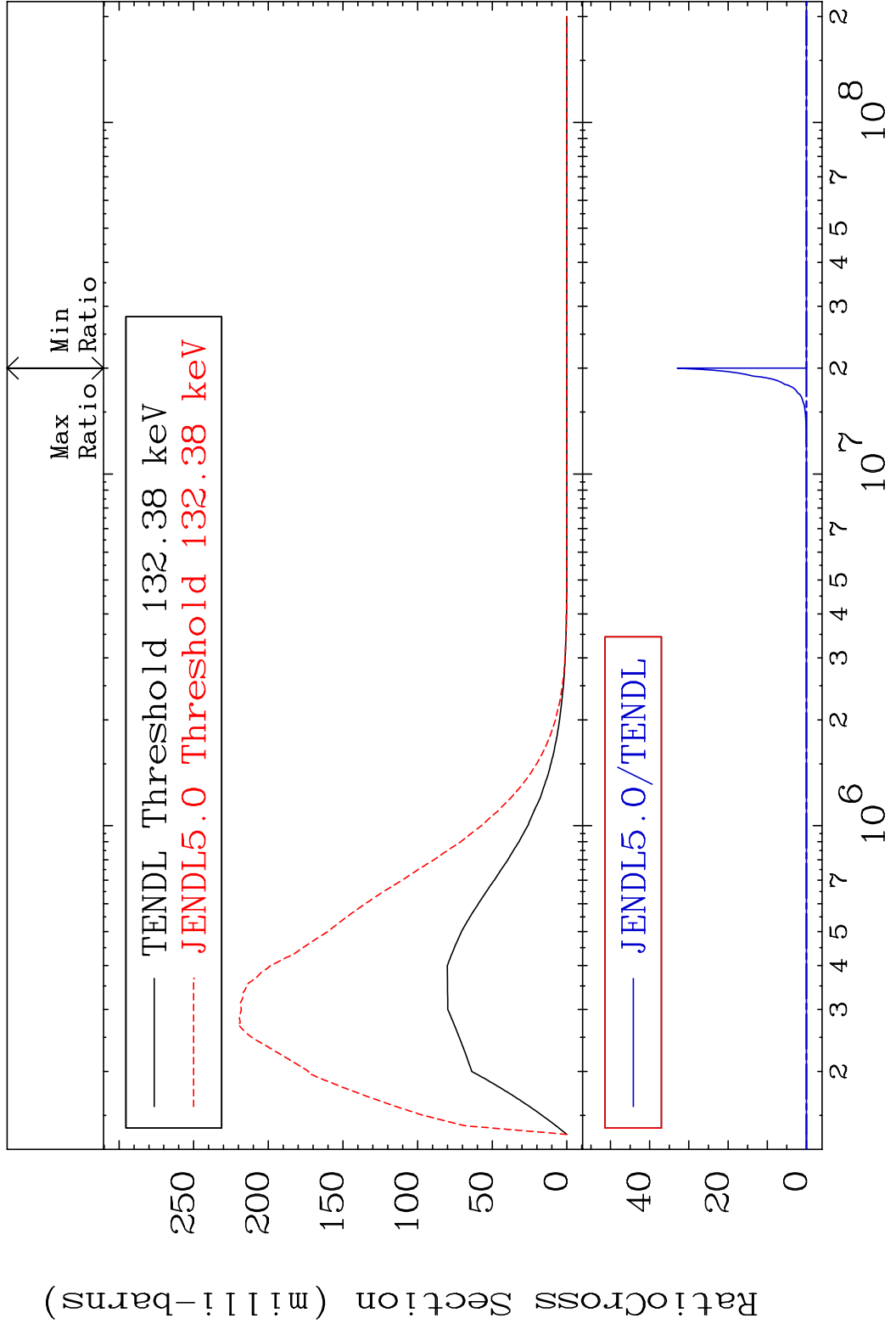


18 Incident Energy (eV) 71-Lu-174m

MAT 7123 MT= 57 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

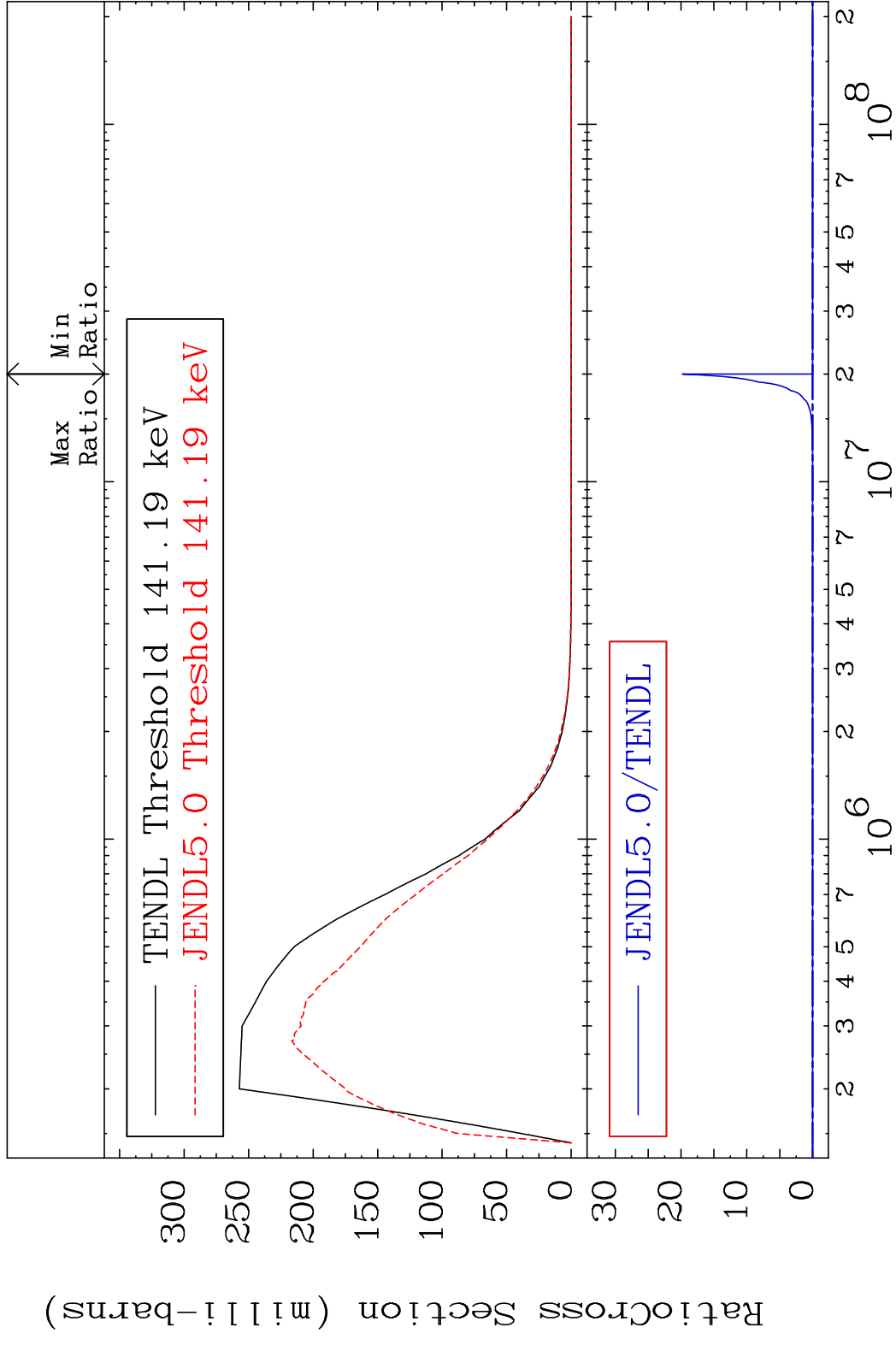


MAT 7123 MT= 58 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

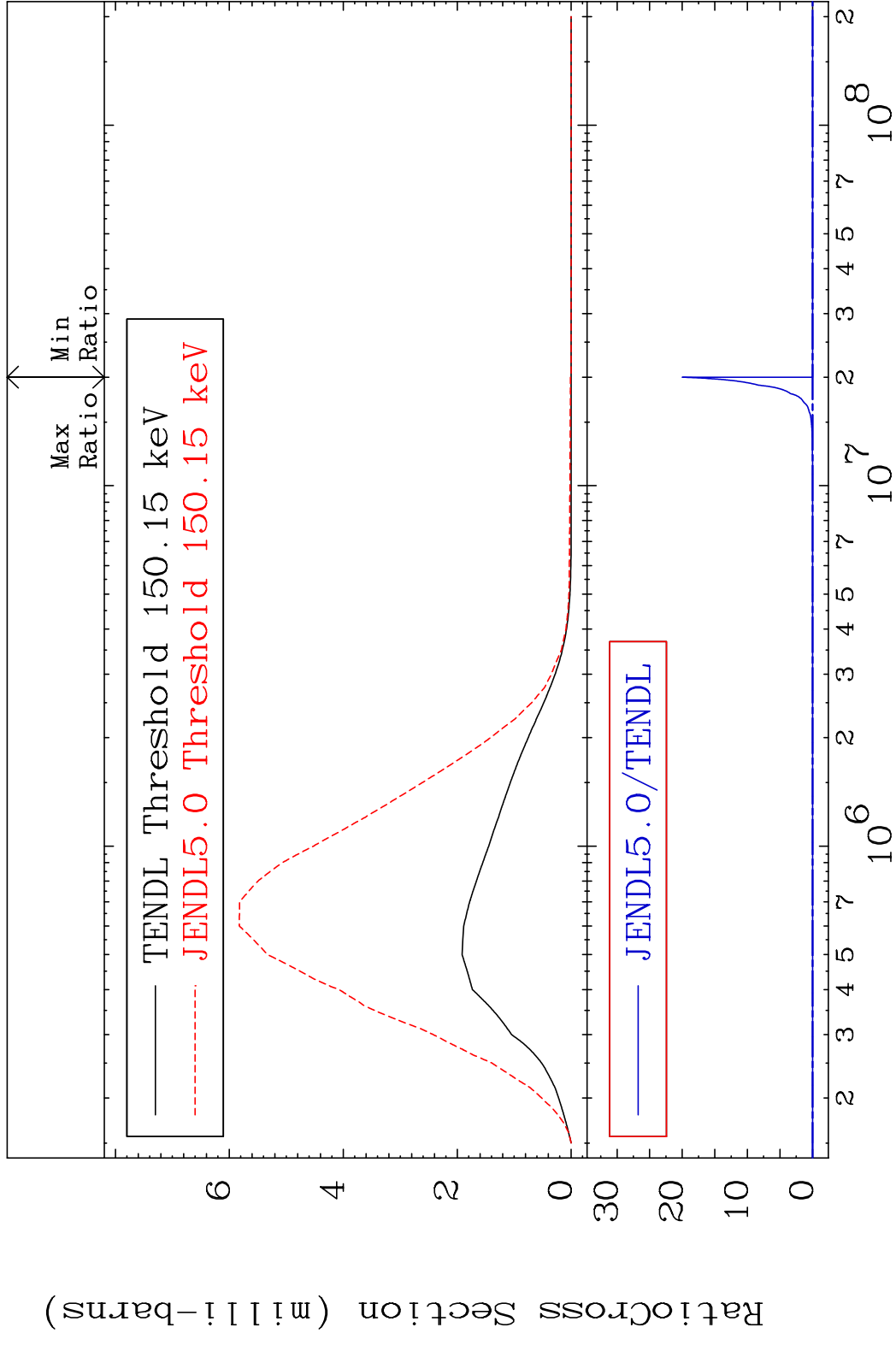


20 Incident Energy (eV) 71-Lu-174m

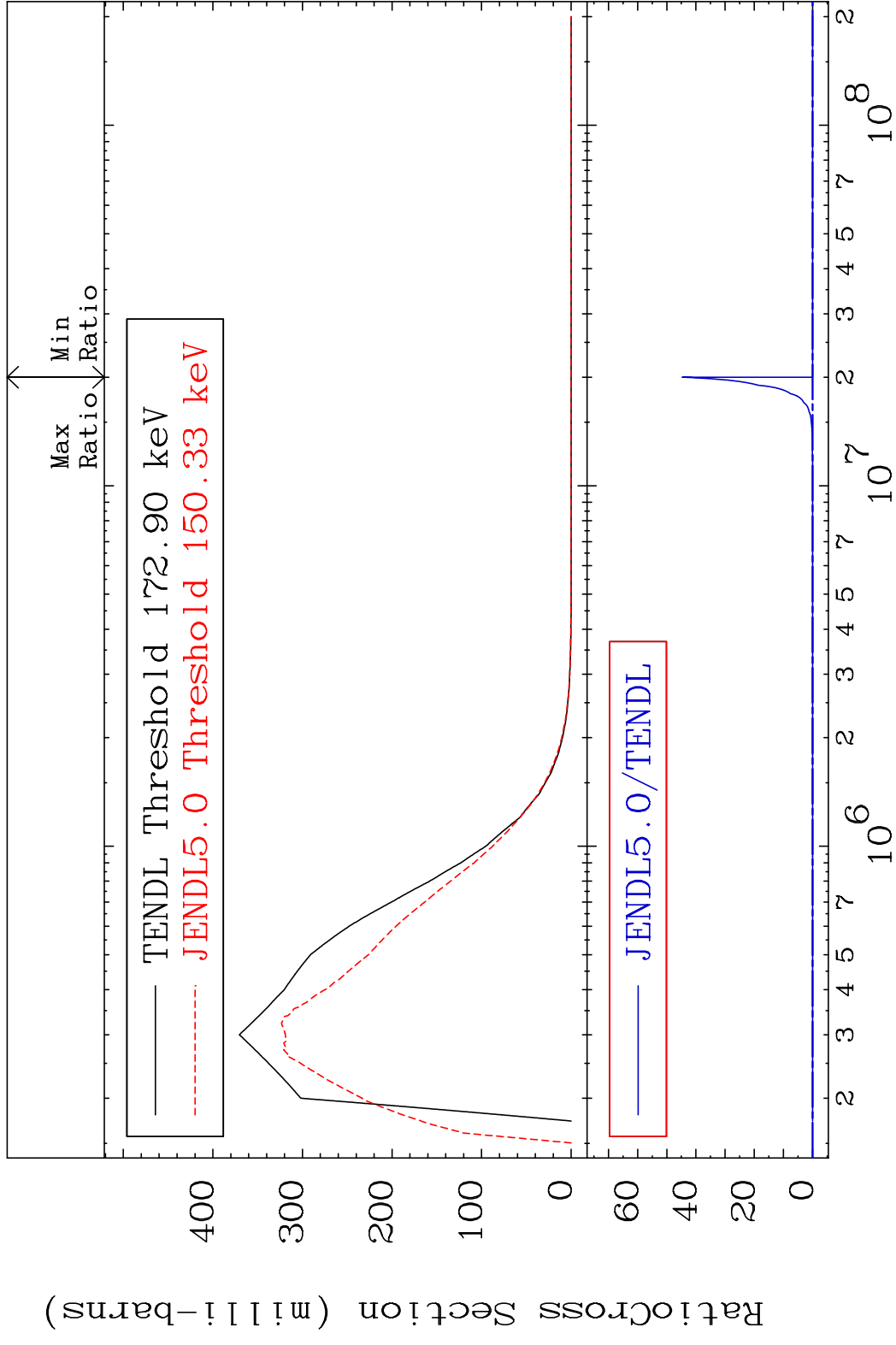
MAT 7123 MT= 59 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



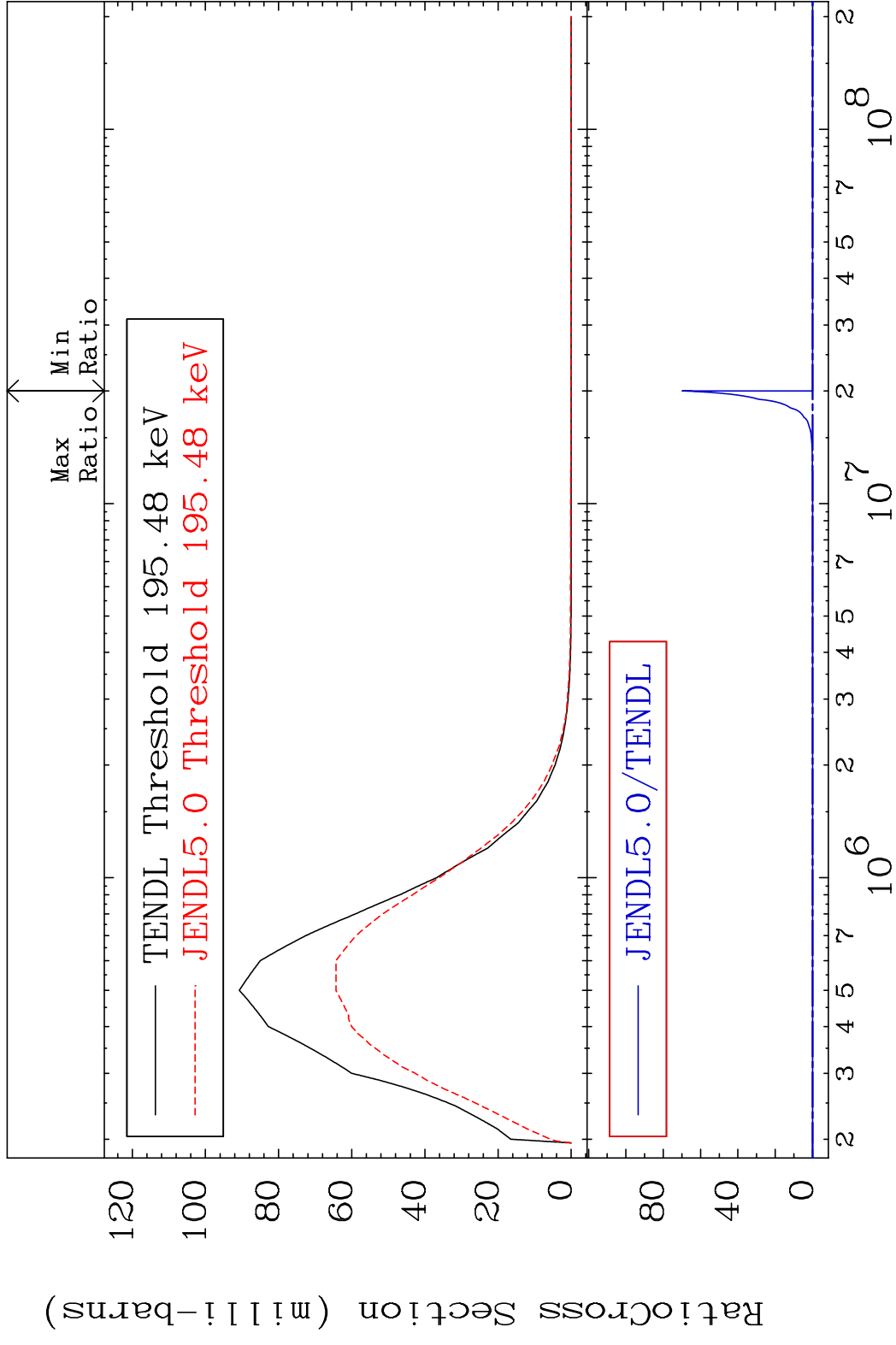
MAT 7123 MT= 60 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



MAT 7123 MT= 61 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

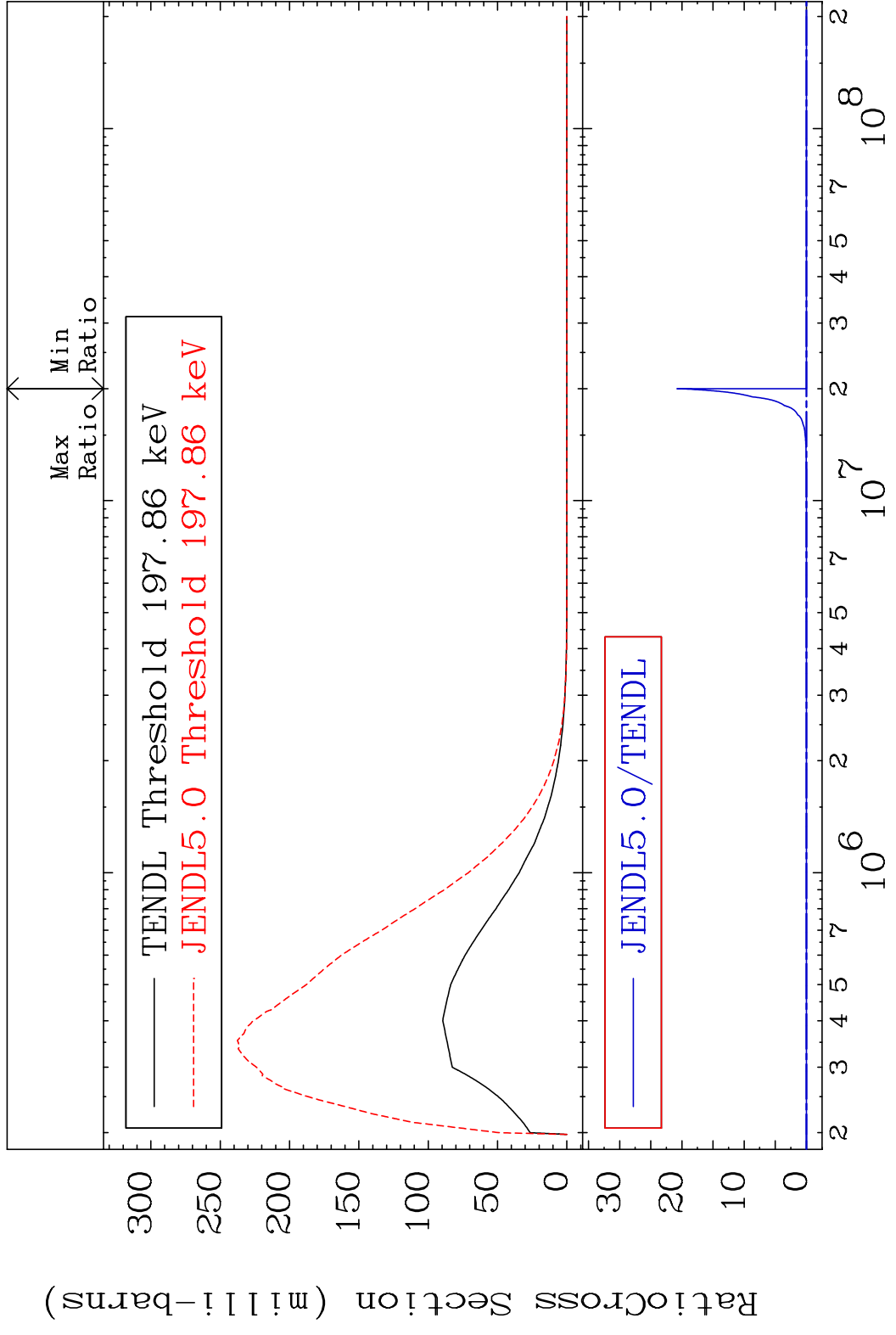


MAT 7123 MT= 62 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

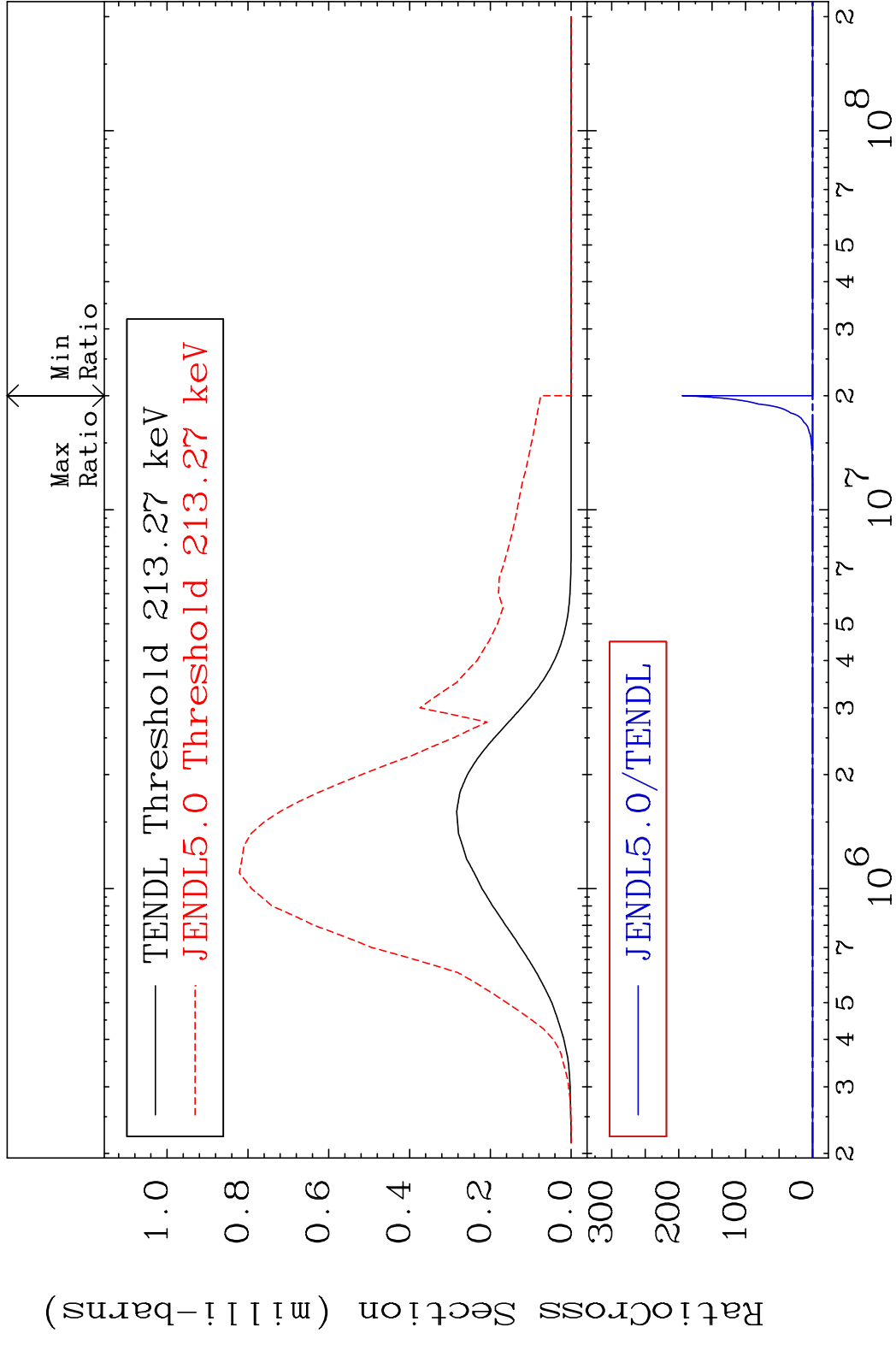


24 Incident Energy (eV) 71-Lu-174m

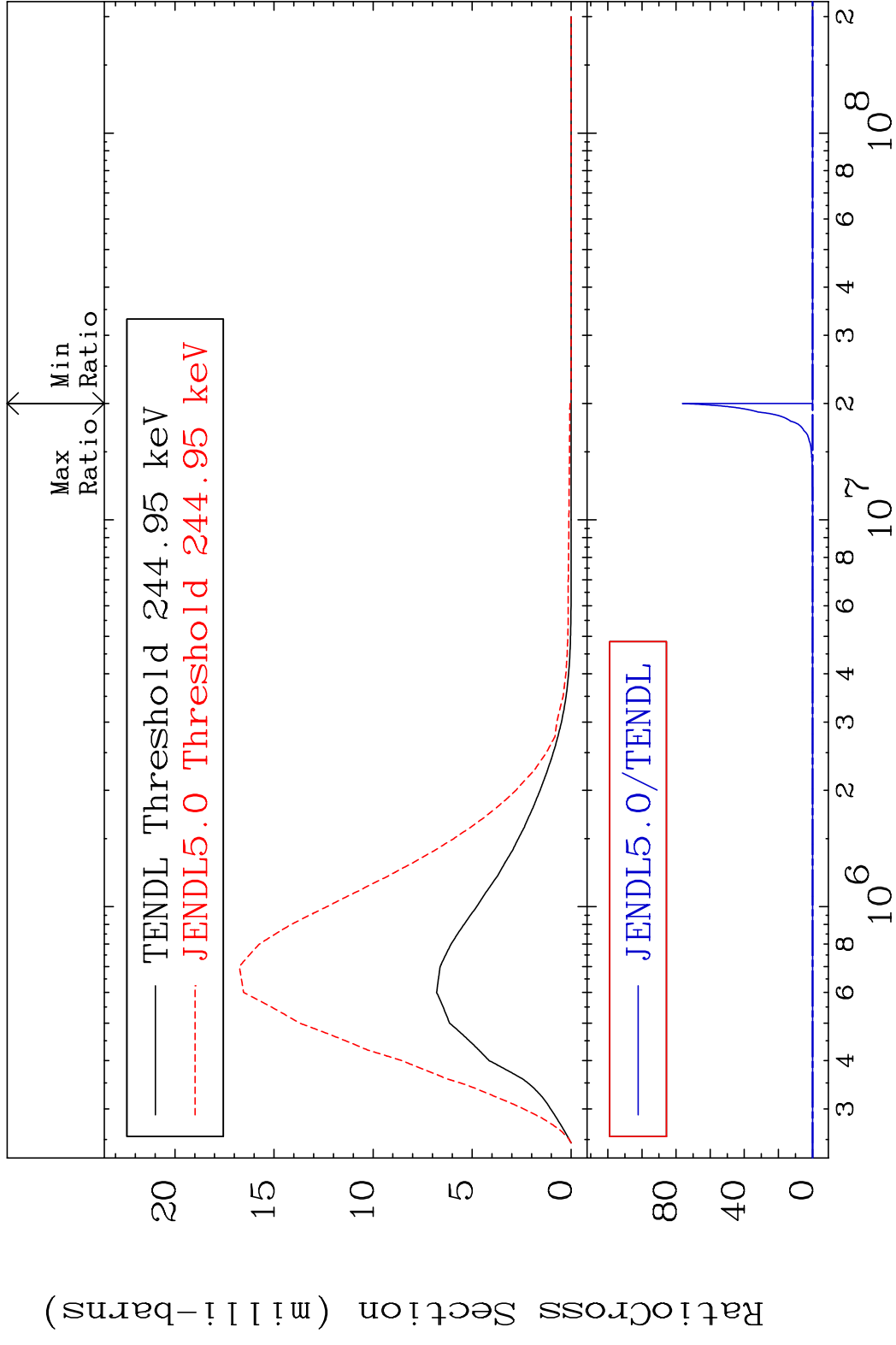
MAT 7123 MT= 63 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



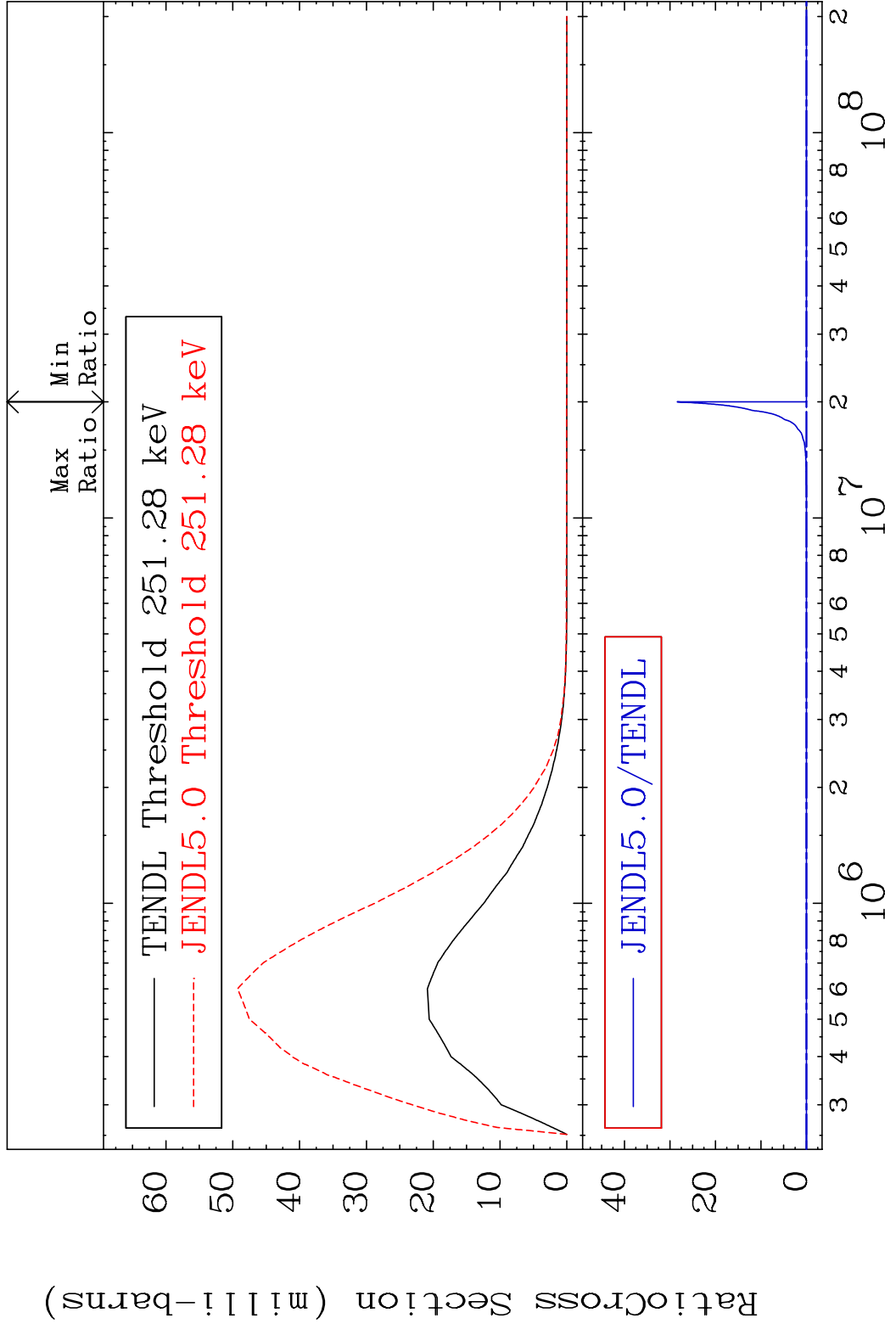
MAT 7123 MT= 64 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



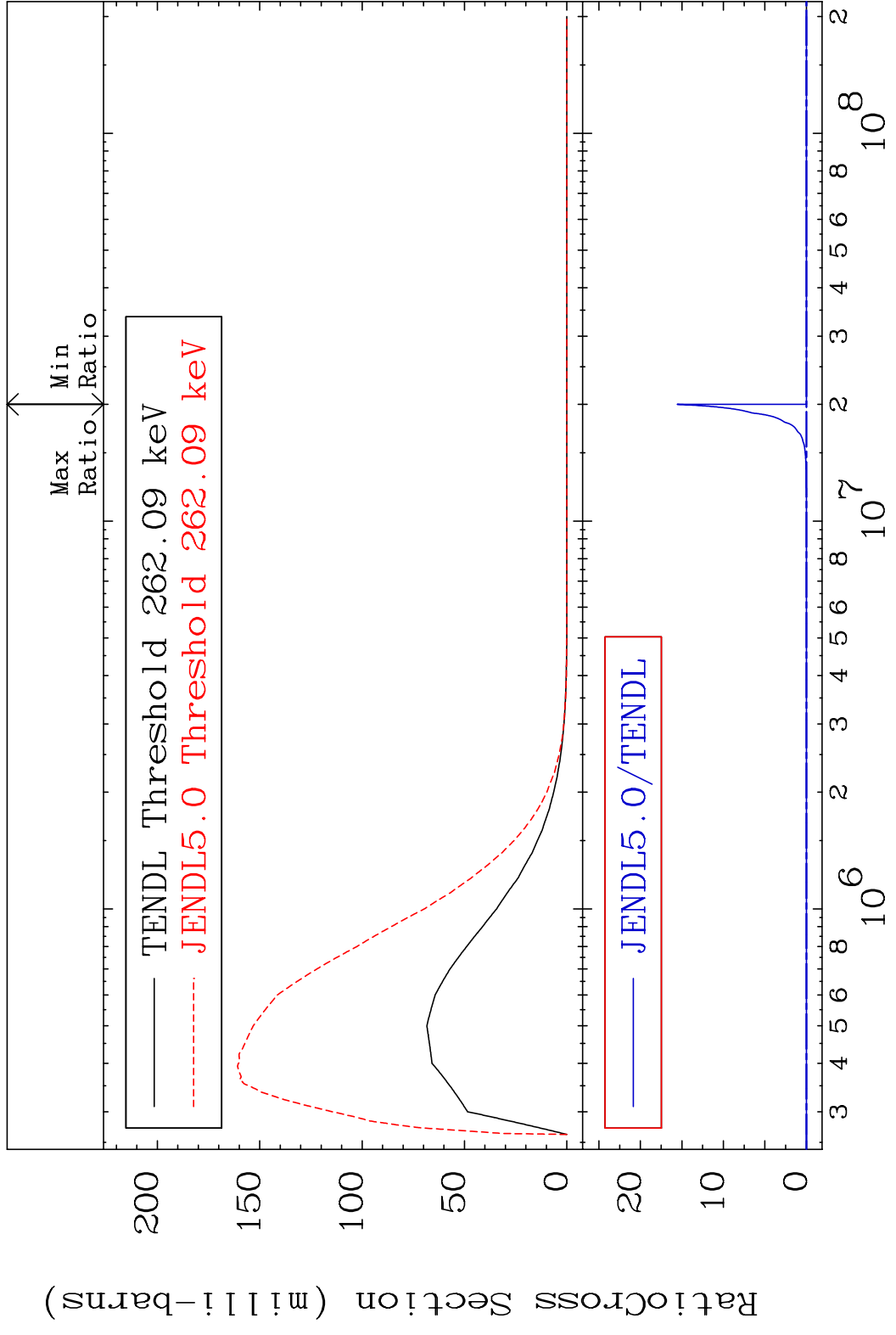
MAT 7123 MT= 65 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



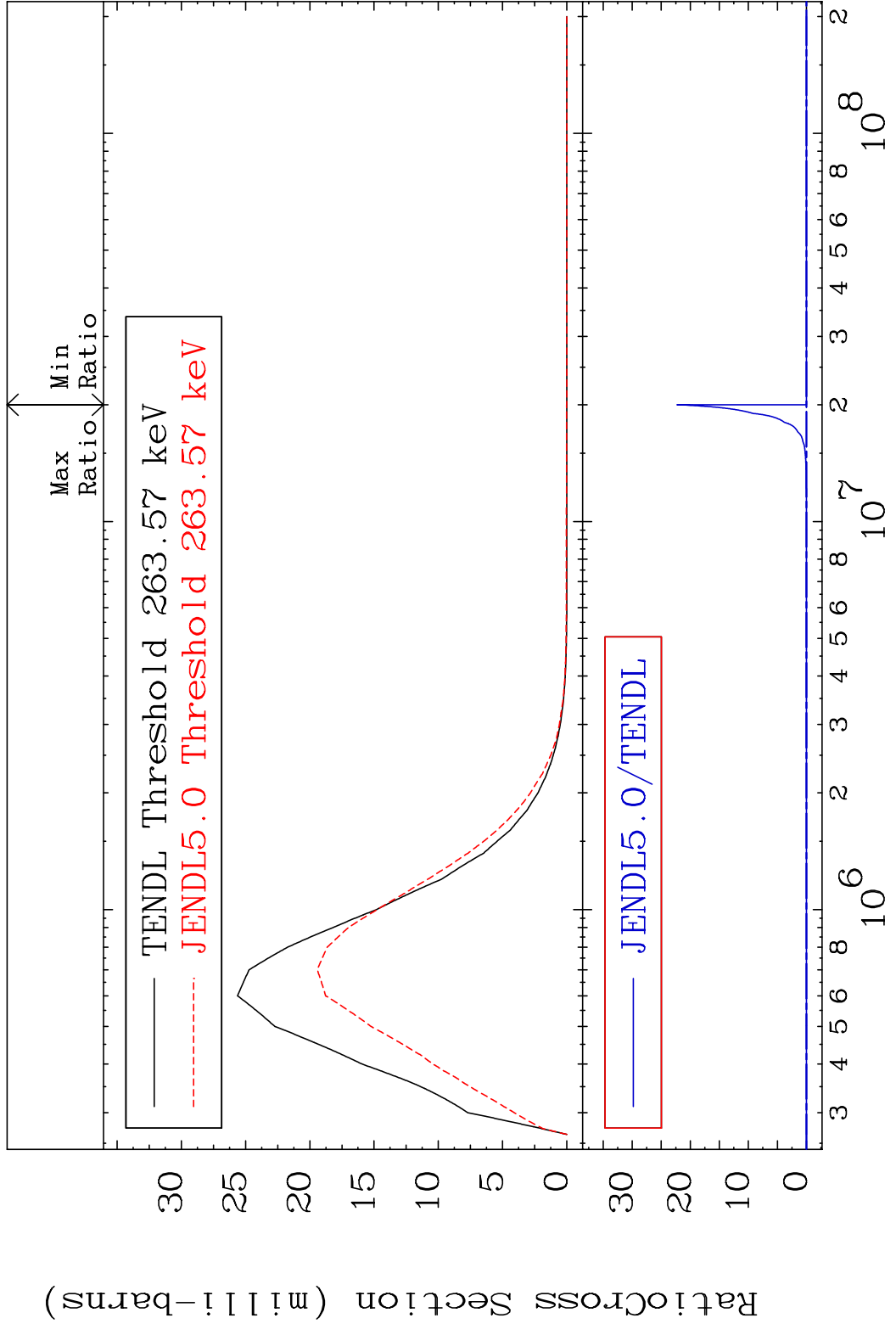
MAT 7123 MT= 66 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



MAT 7123 MT= 67 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

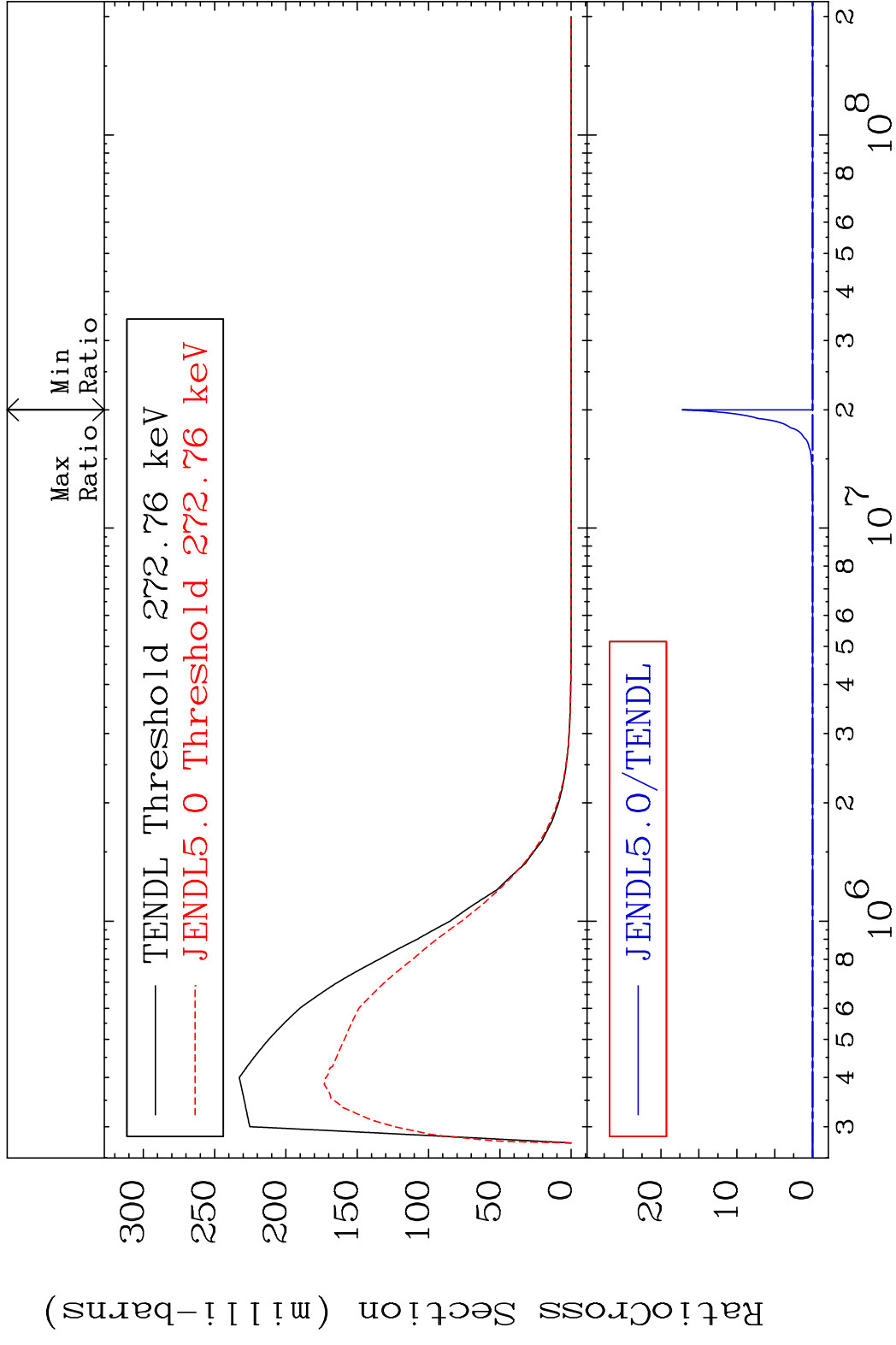


MAT 7123 MT= 68 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

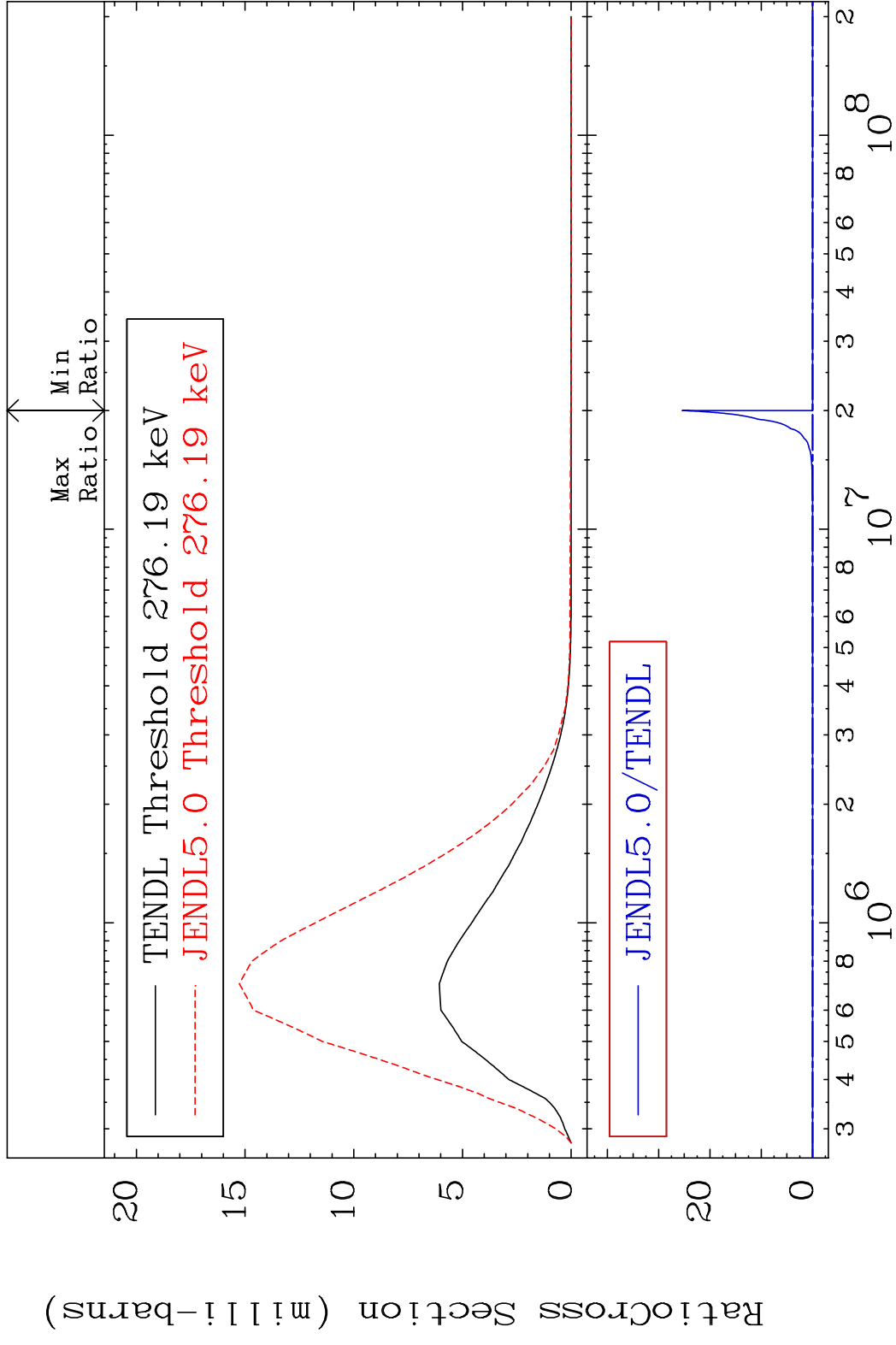


30 71-Lu-174m

MAT 7123 MT= 69 (n,n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

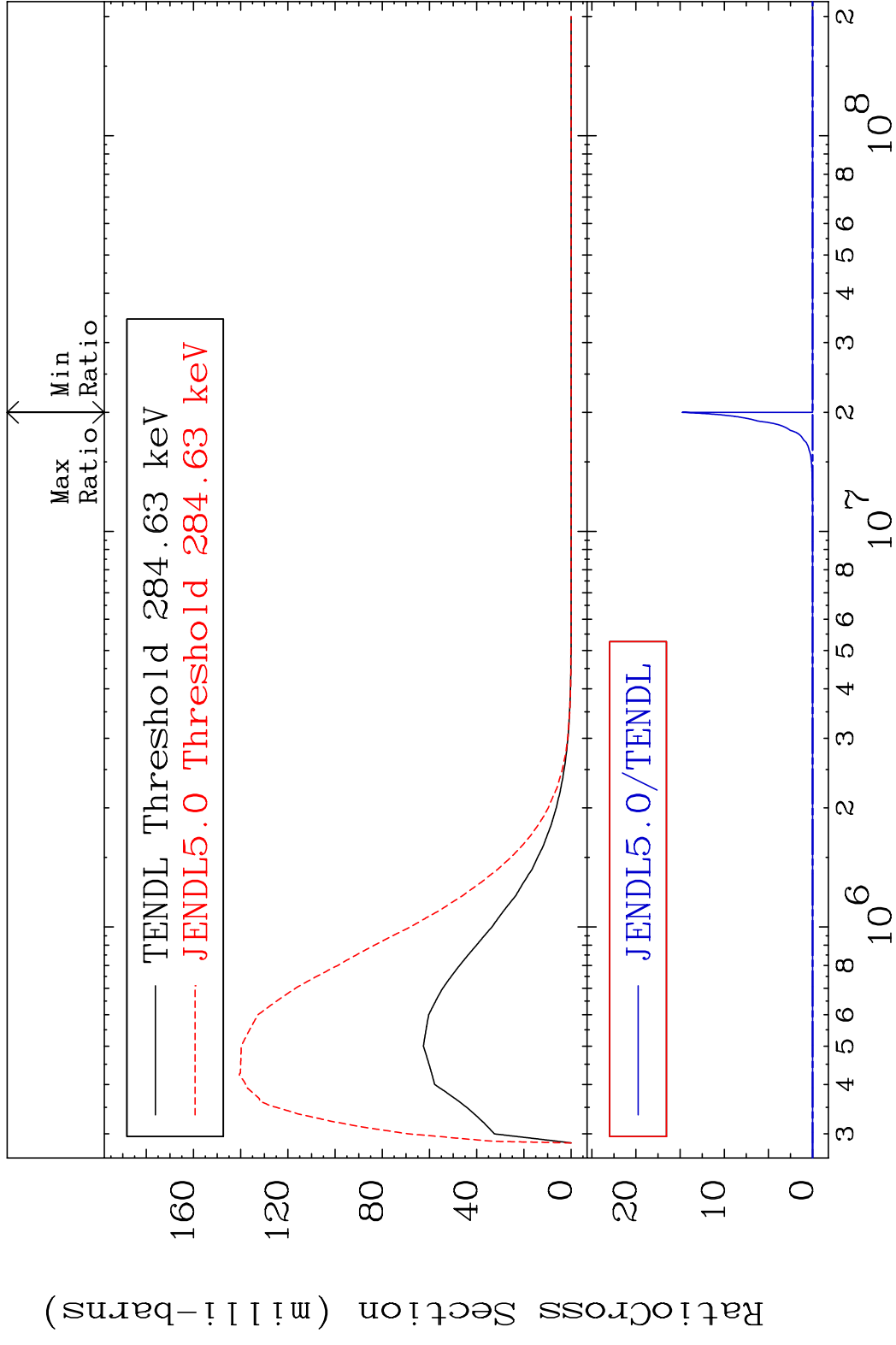


MAT 7123 MT= 70 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

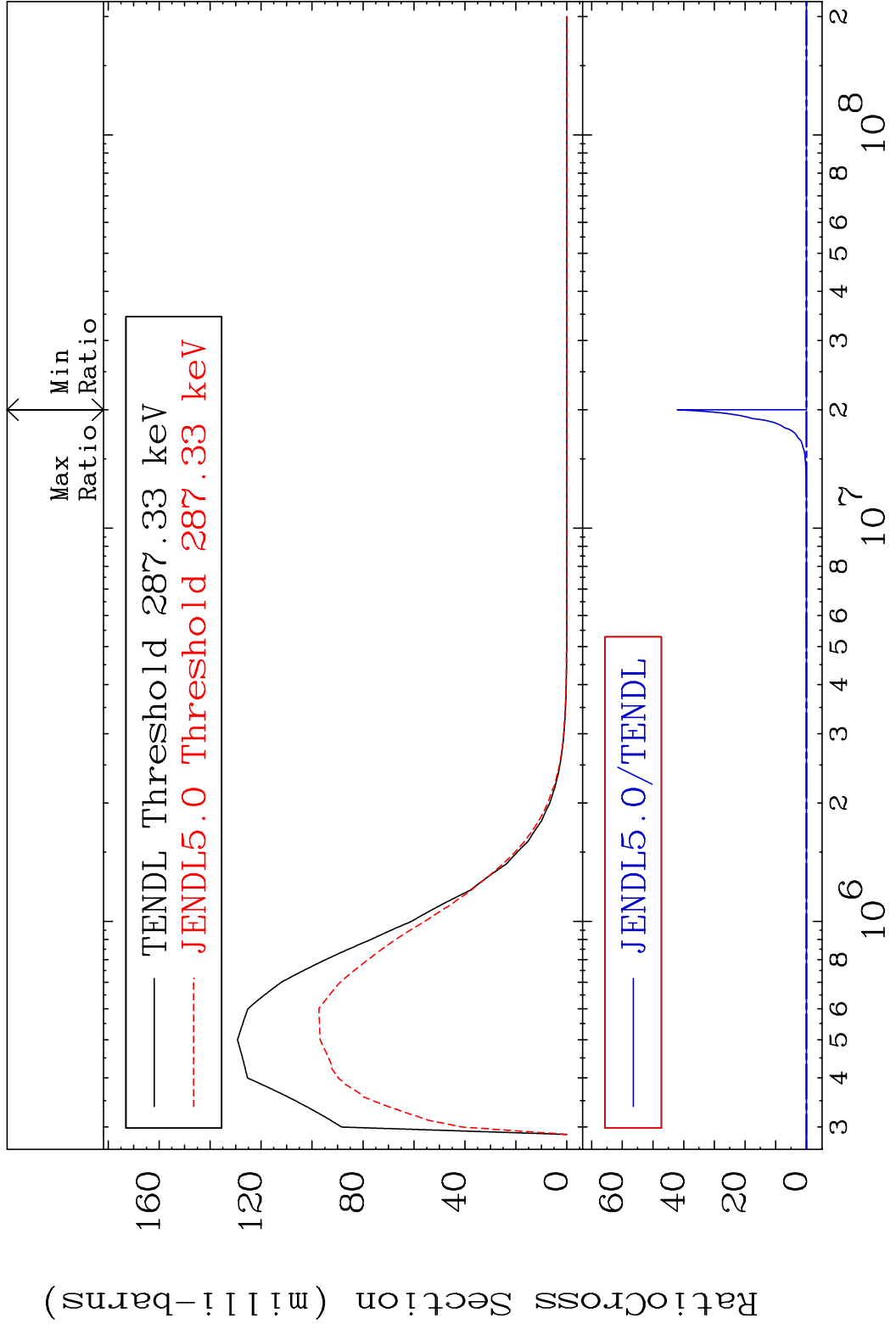


32 Incident Energy (eV) 71-Lu-174m

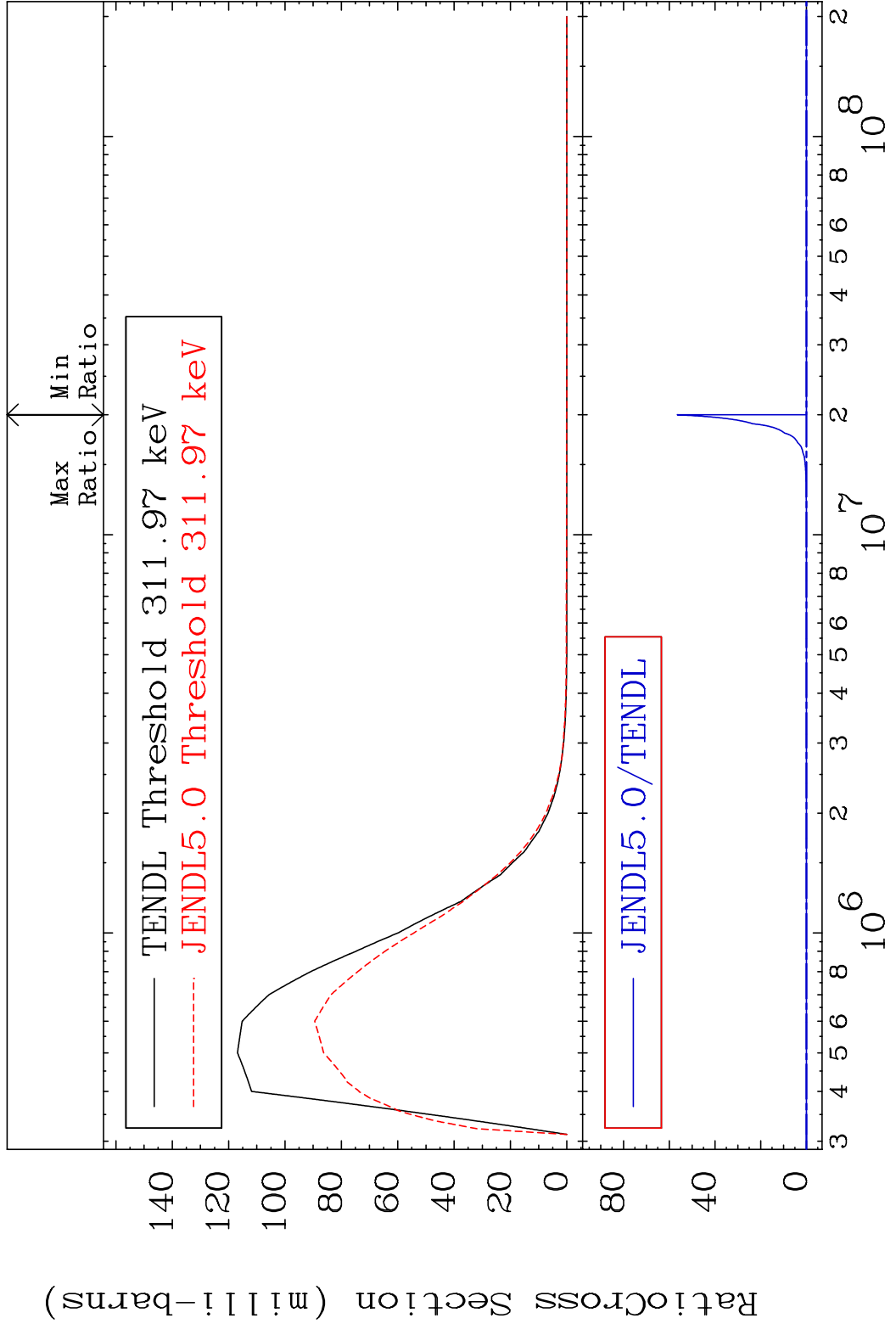
MAT 7123 MT= 71 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



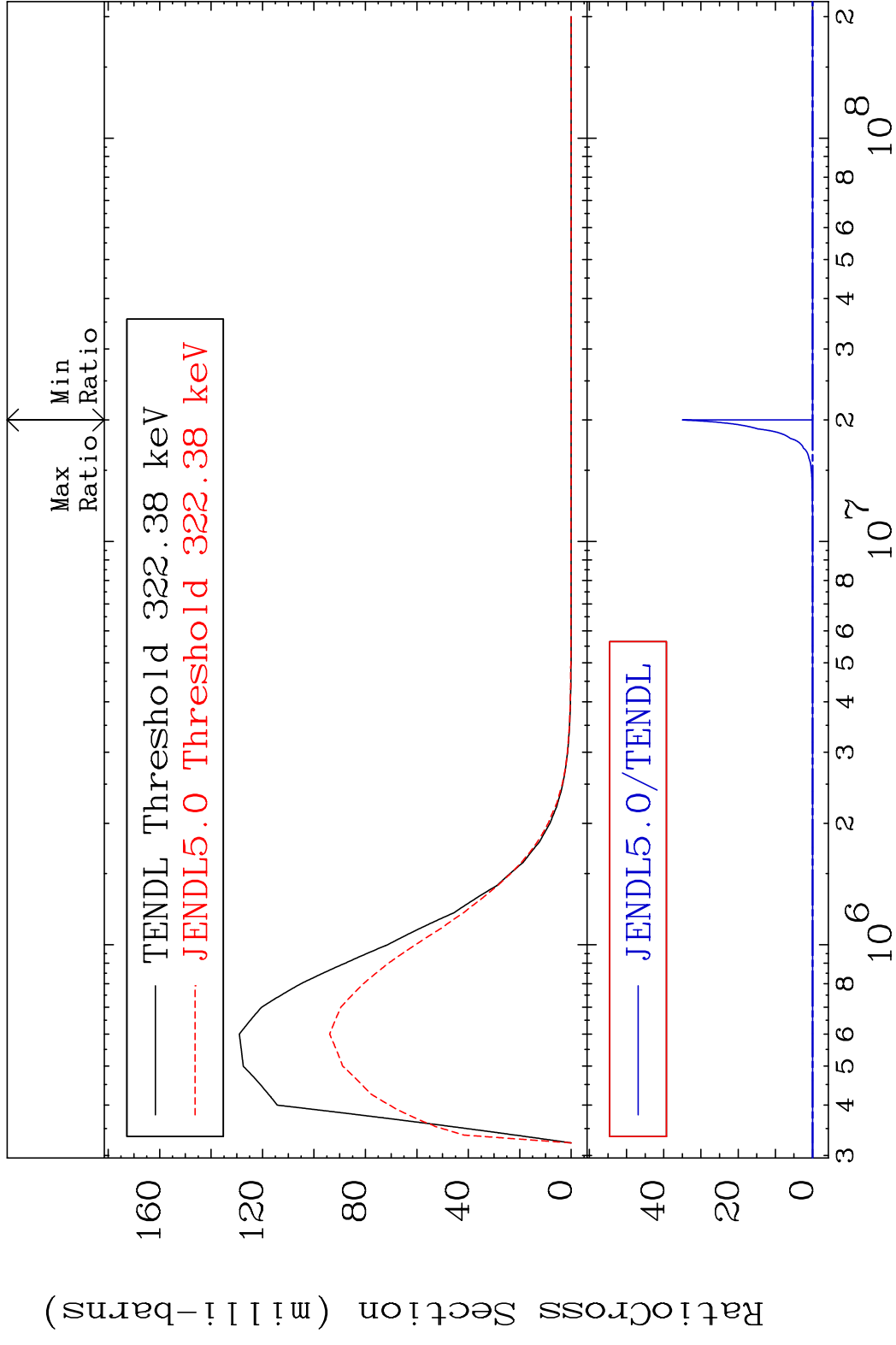
MAT 7123 MT= 72 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



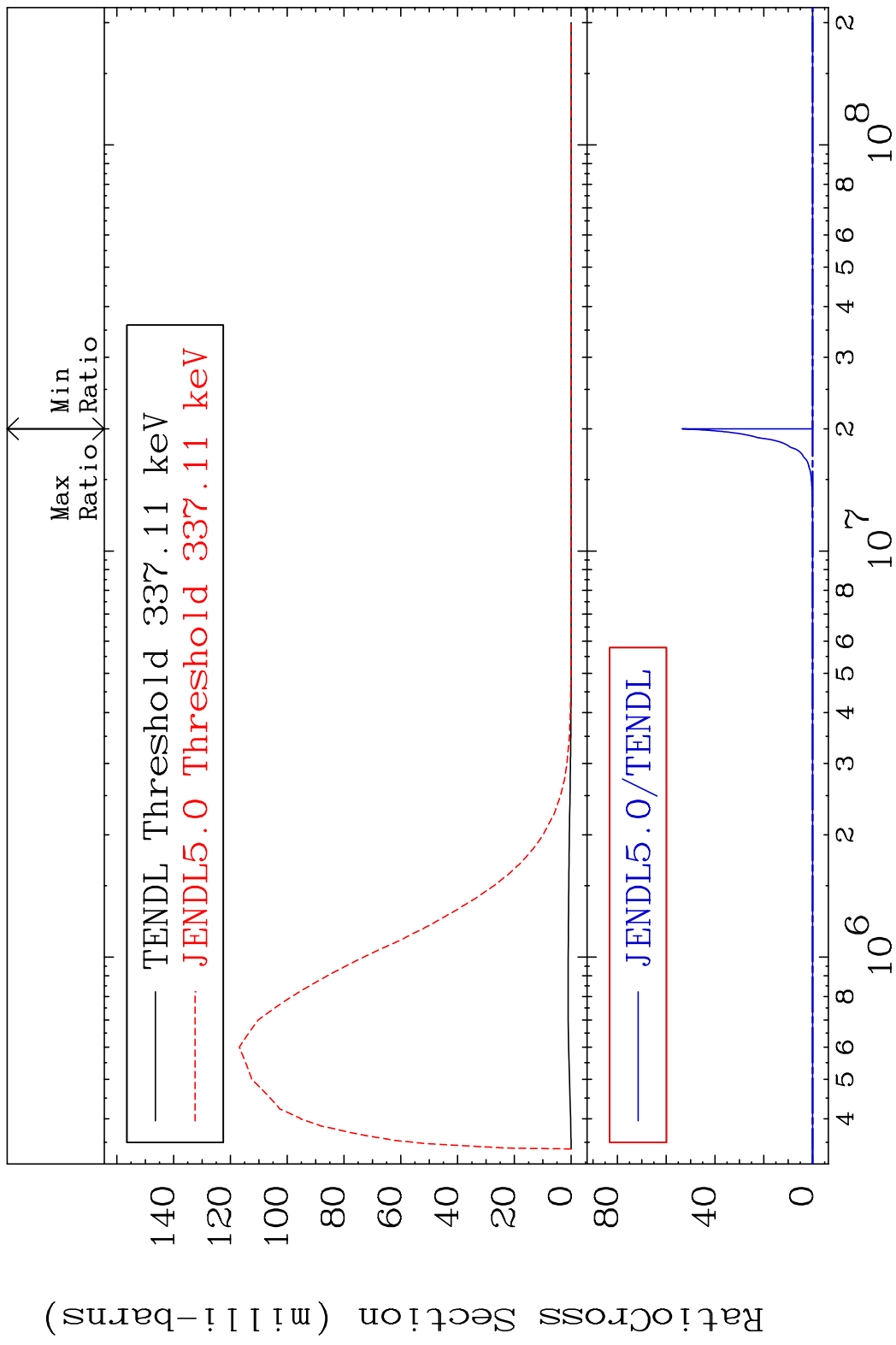
MAT 7123 MT= 73 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



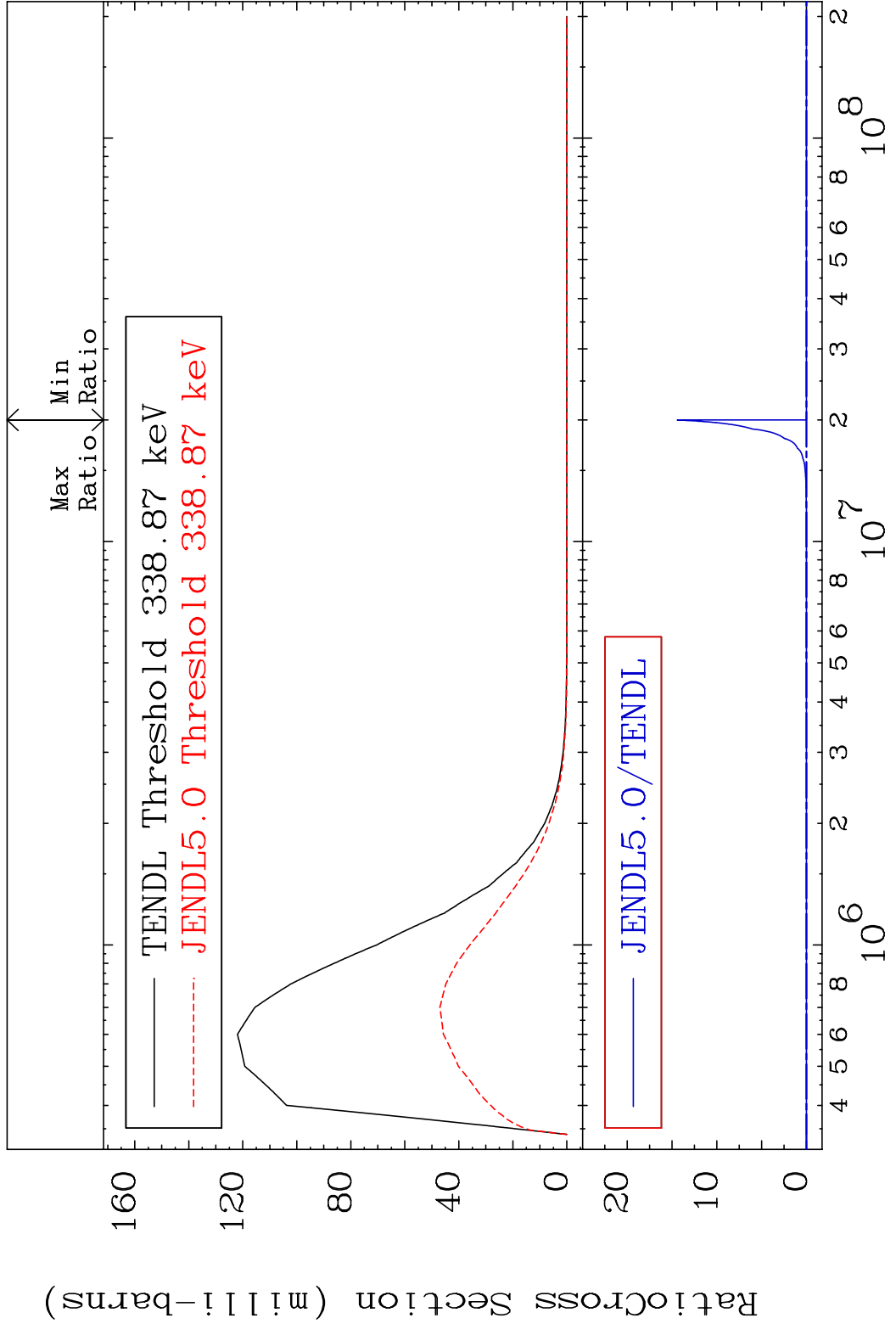
MAT 7123 MT= 74 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



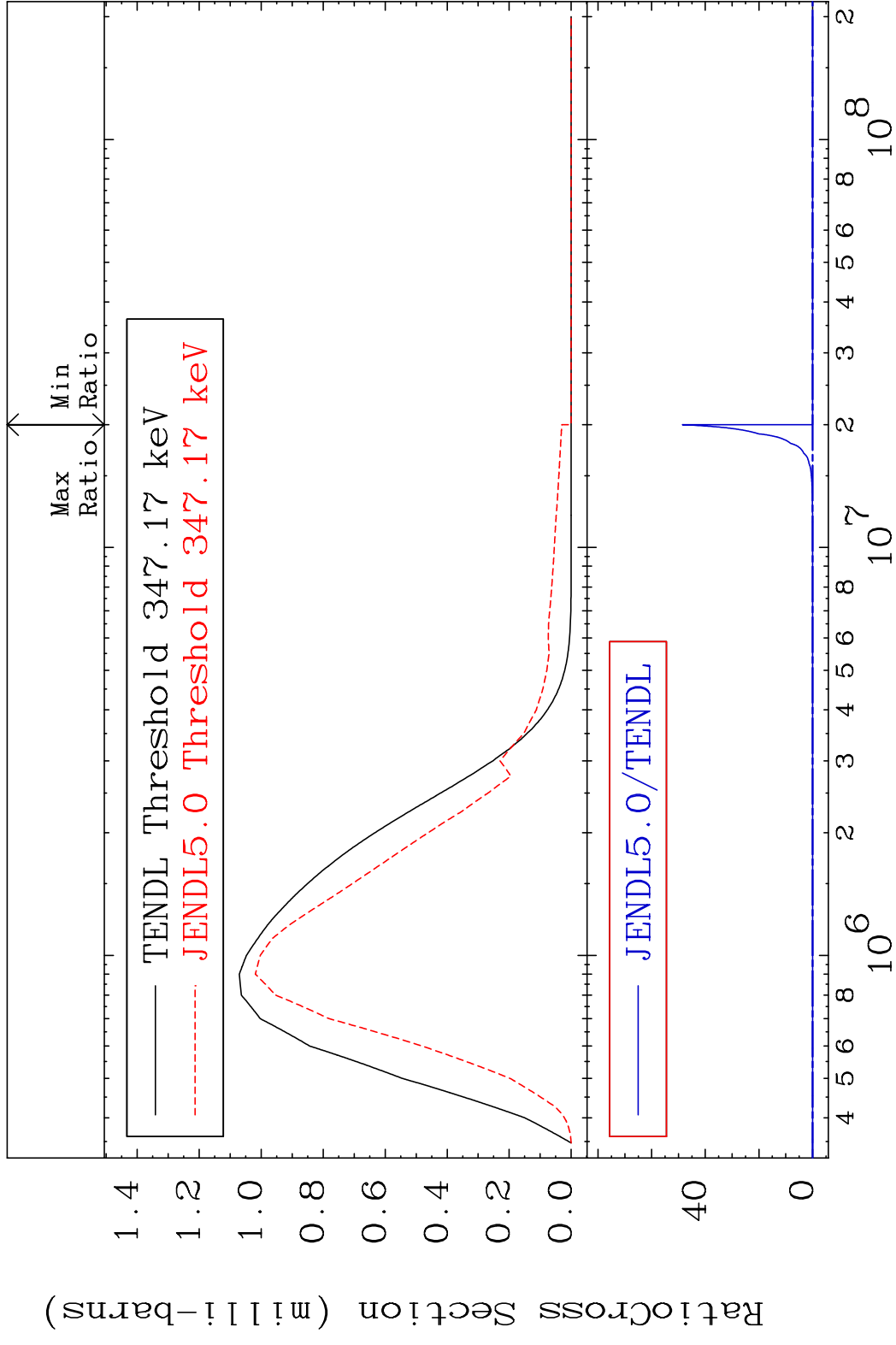
MAT 7123 MT= 75 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



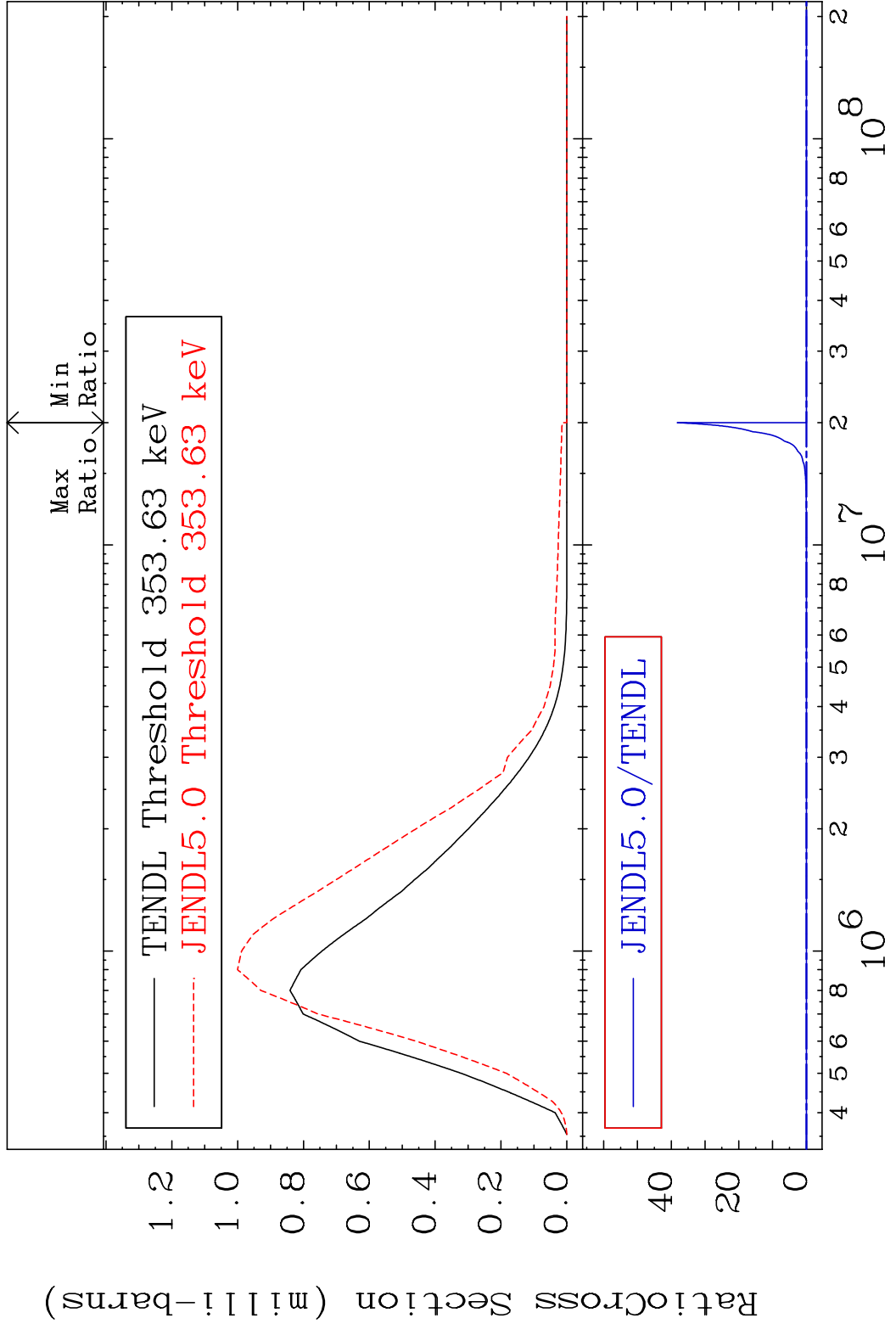
MAT 7123 MT= 76 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



MAT 7123 MT= 77 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

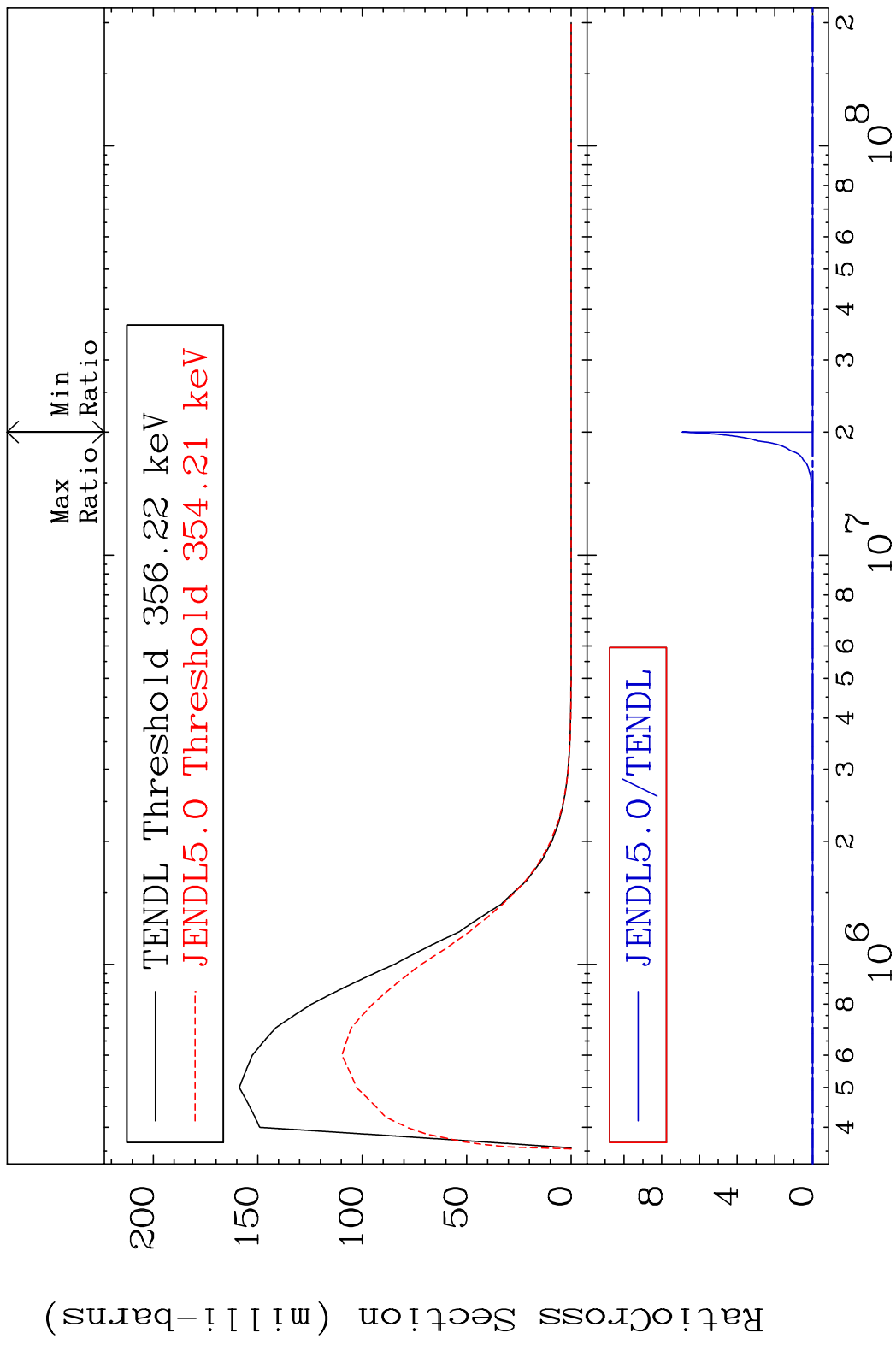


MAT 7123 MT= 78 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %



40 40 Incident Energy (eV) 71-Lu-174m

MAT 7123 MT= 79 (n, n') Level 71-Lu-174m
 Cross Section -100.0 To 9999. %

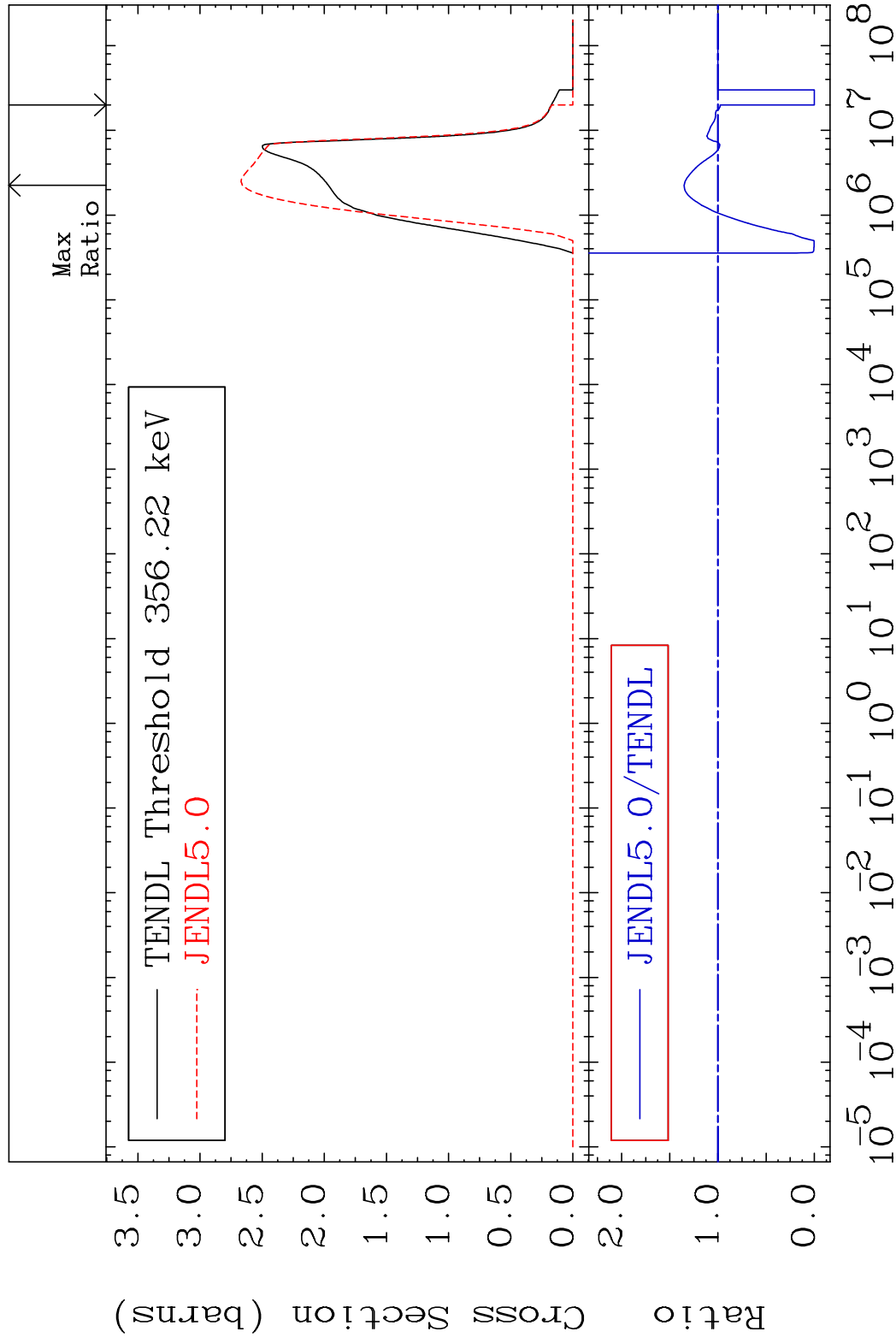


MAT 7123

(n, n') Continuum

71-Lu-174m

Cross Section -100.0 To 35.15 %



42

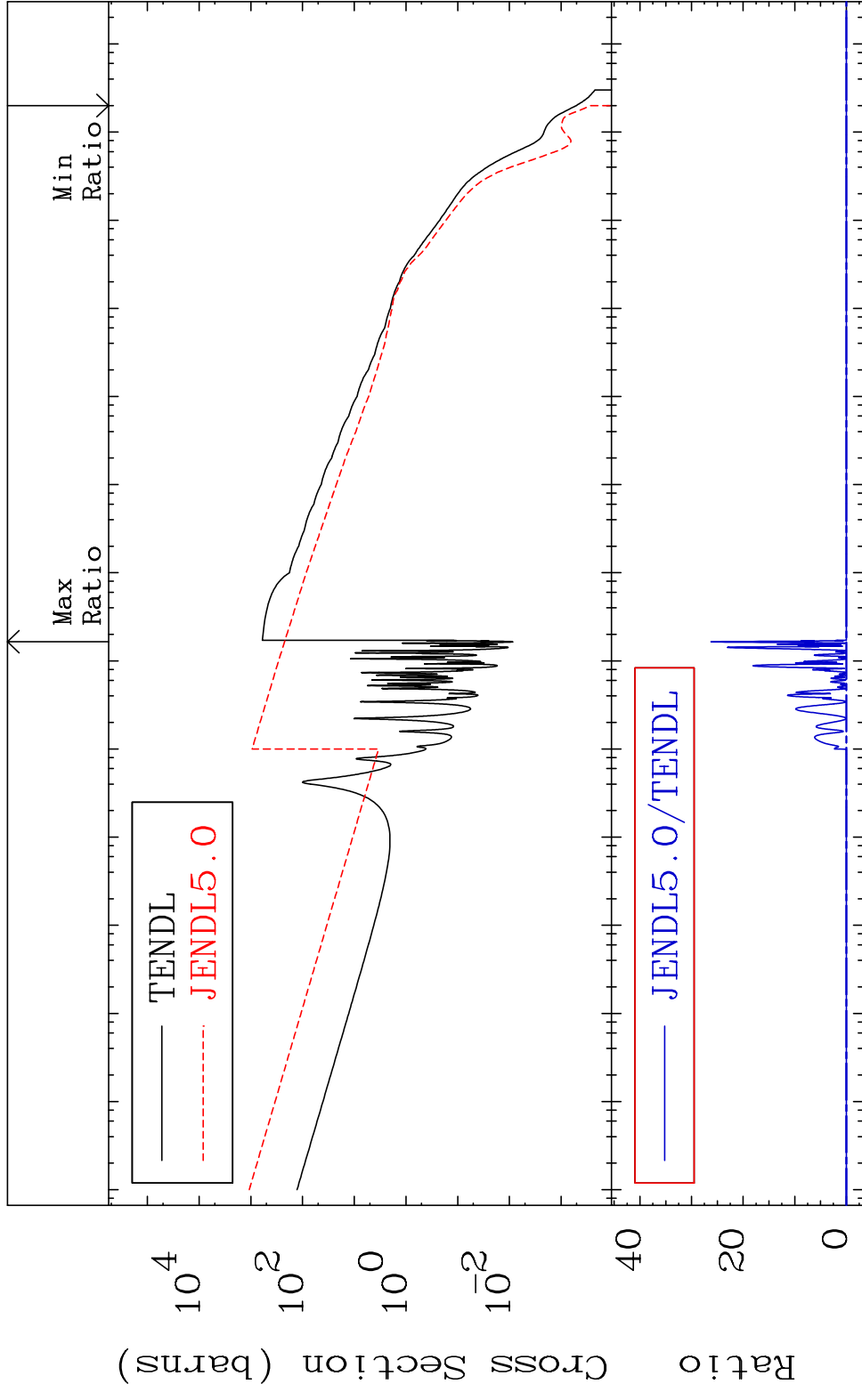
Incident Energy (eV)

71-Lu-174m

MAT 7123

(n, γ)
Cross Section -100.0 To 9999. %

71-Lu-174m



43

Incident Energy (eV)

71-Lu-174m

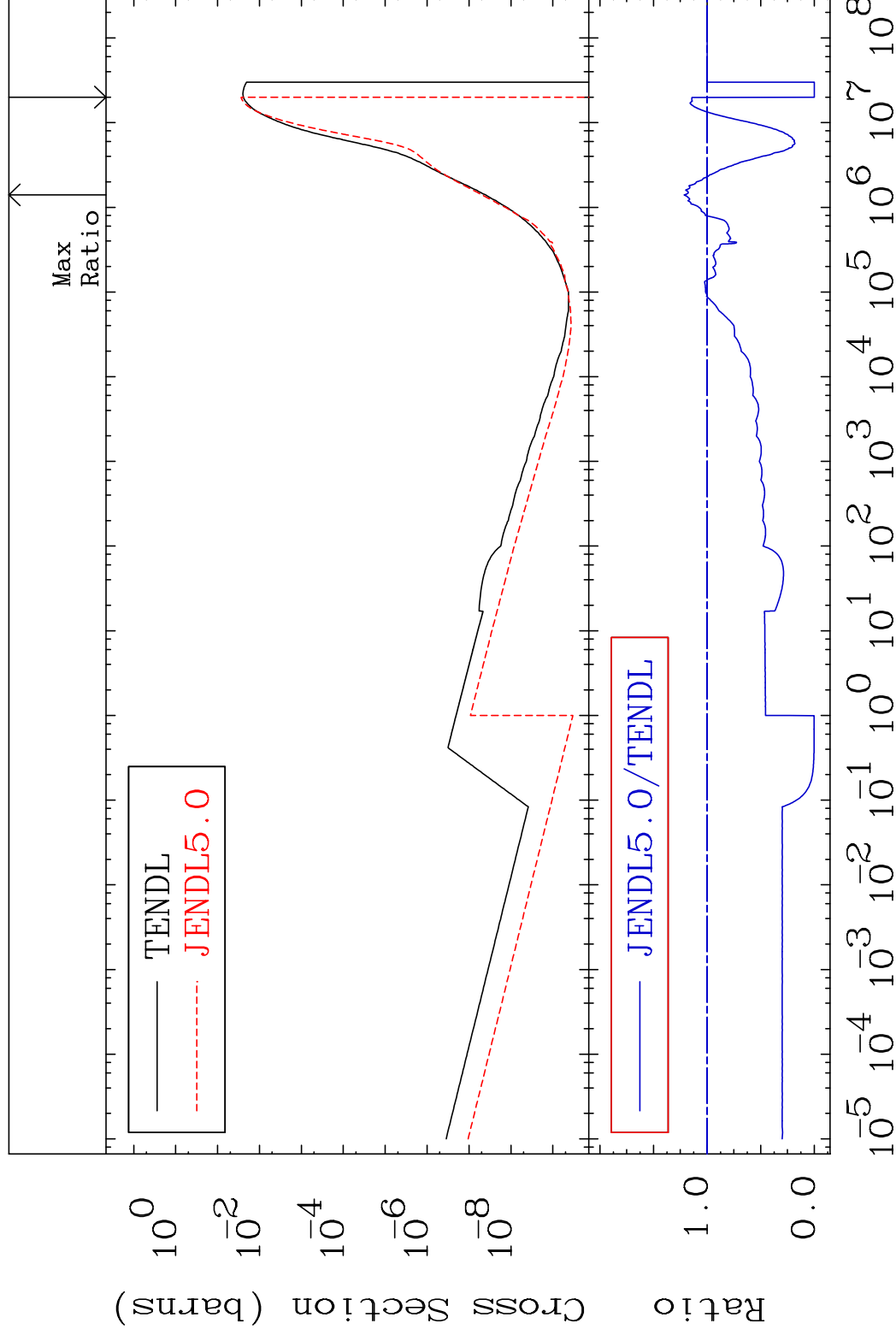
MAT 7123

(n, p)

71-Lu-174m

Cross Section

-100.0 To 21.49 %



44

Incident Energy (eV)

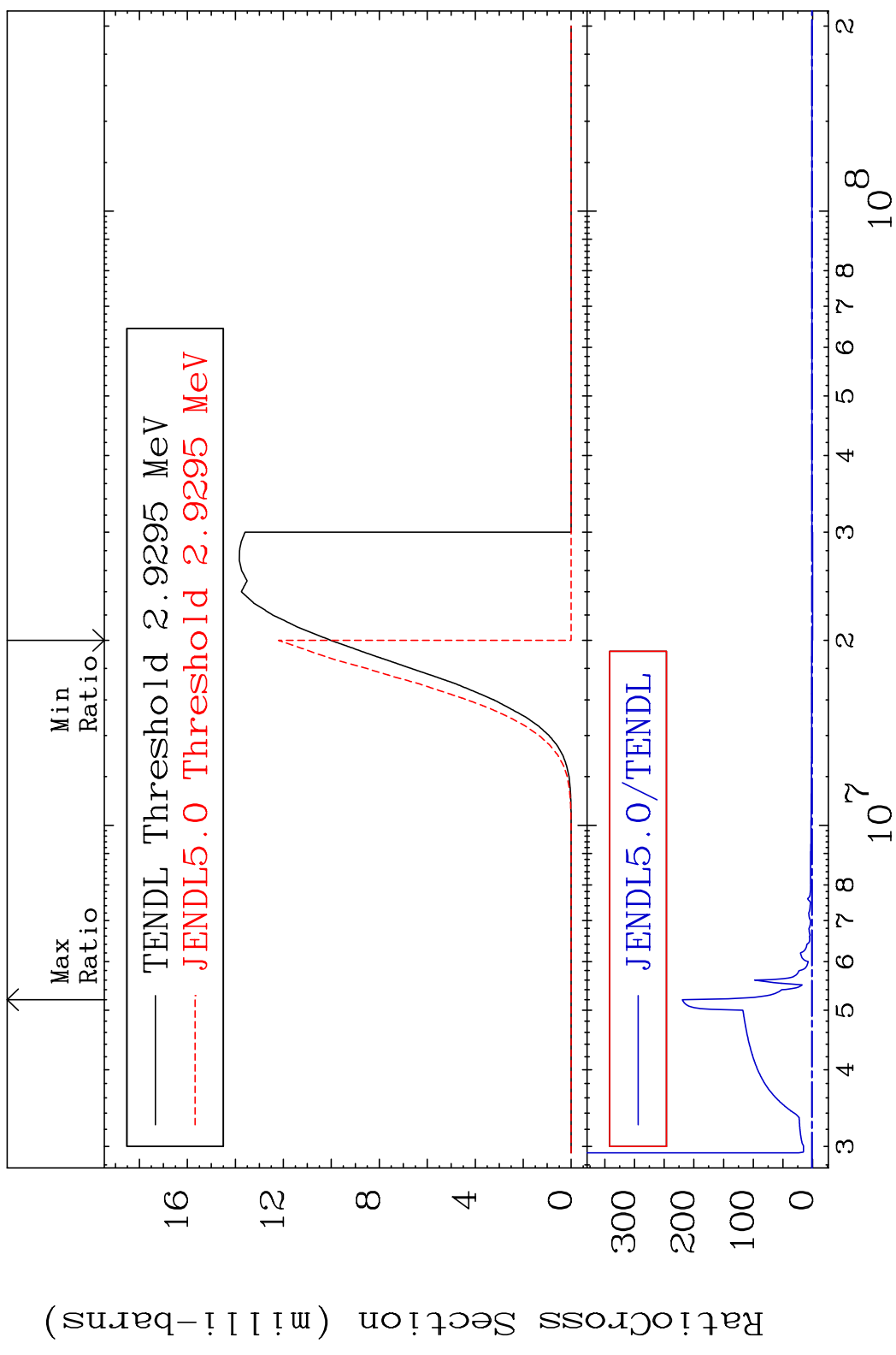
71-Lu-174m

MAT 7123

(n, d)

71-Lu-174m

Cross Section -100.0 To 9999. %

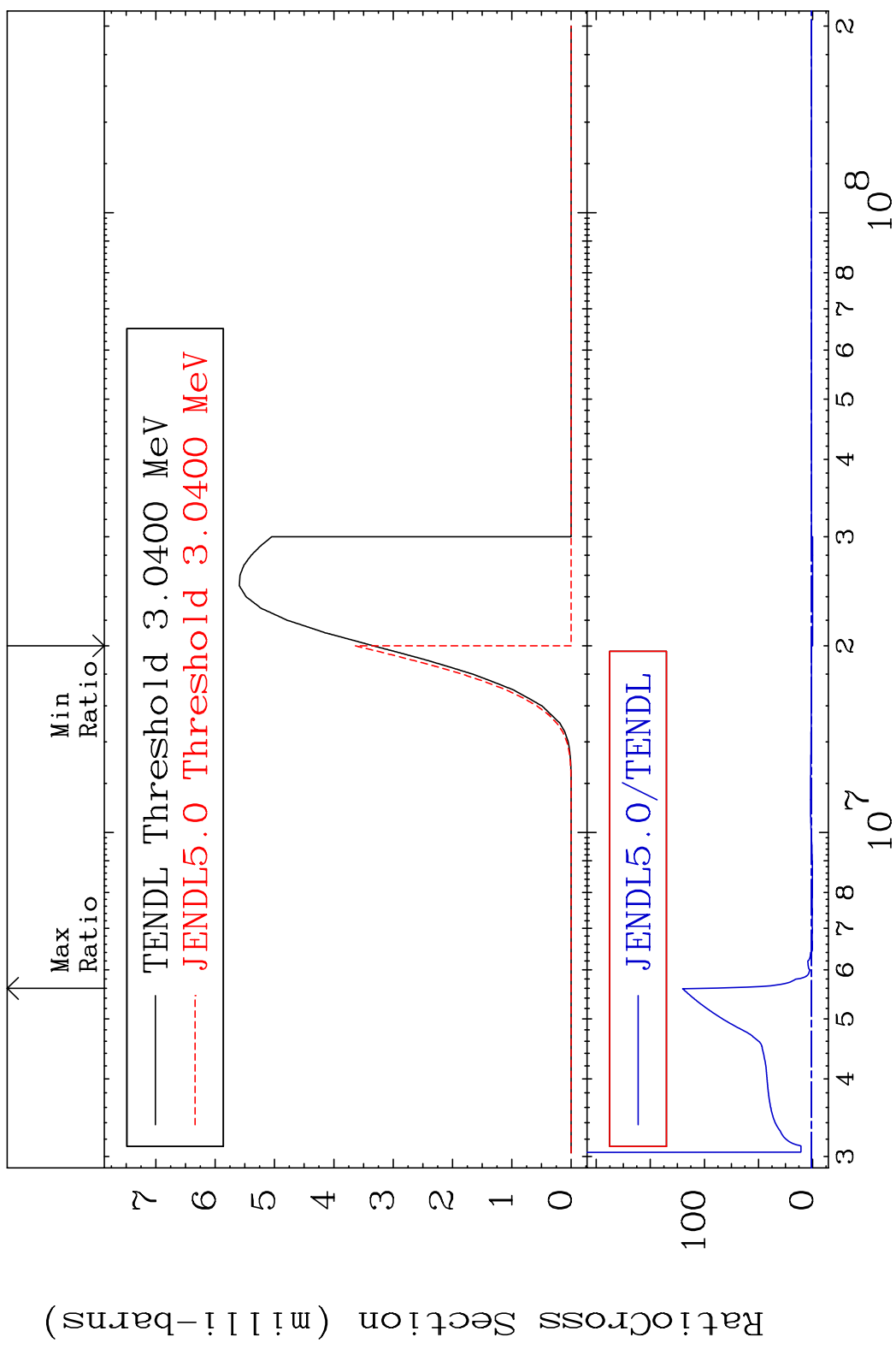


MAT 7123

(n, t)

71-Lu-174m

Cross Section -100.0 To 9999. %

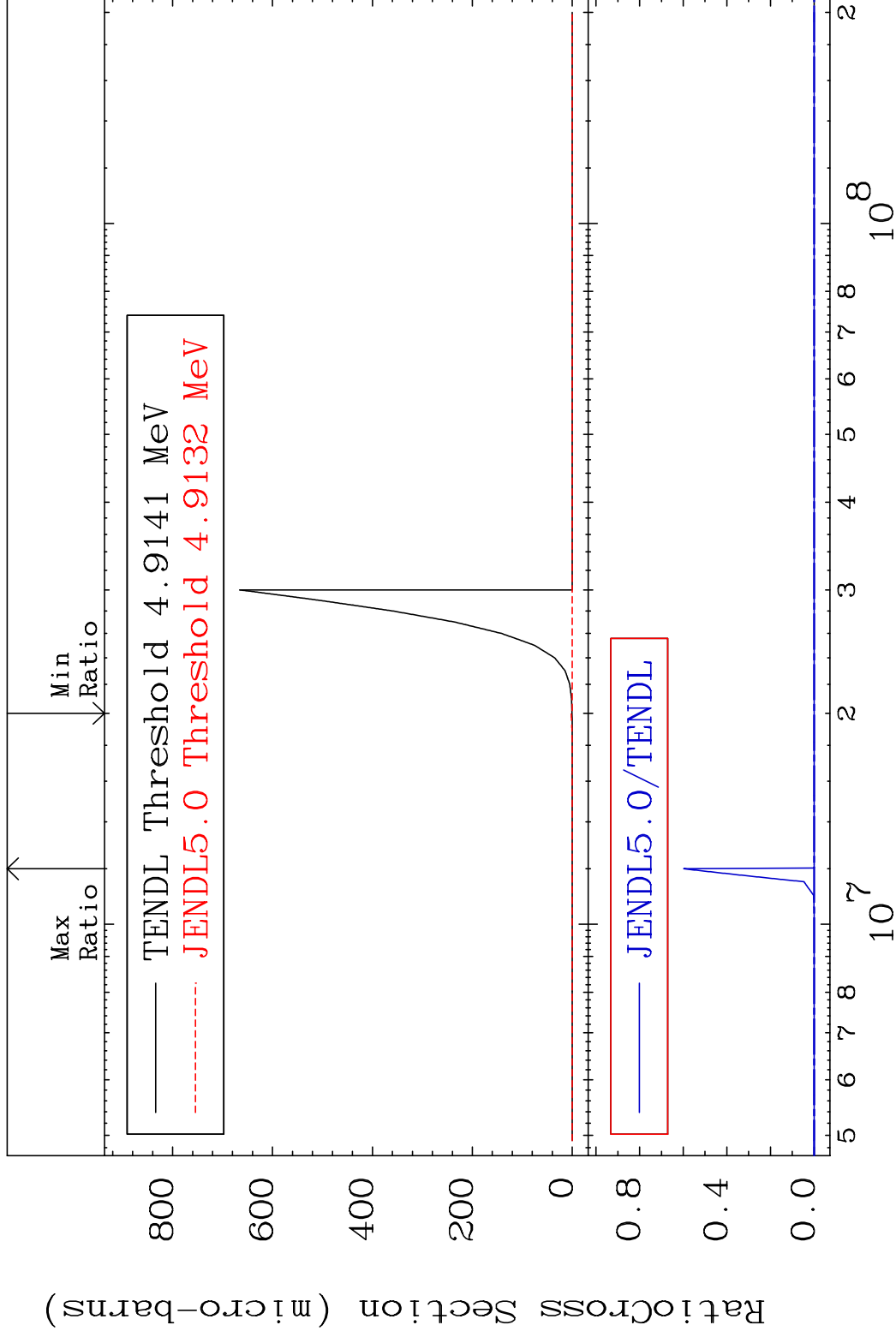


MAT 7123

(n, He-3)

71-Lu-174m

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

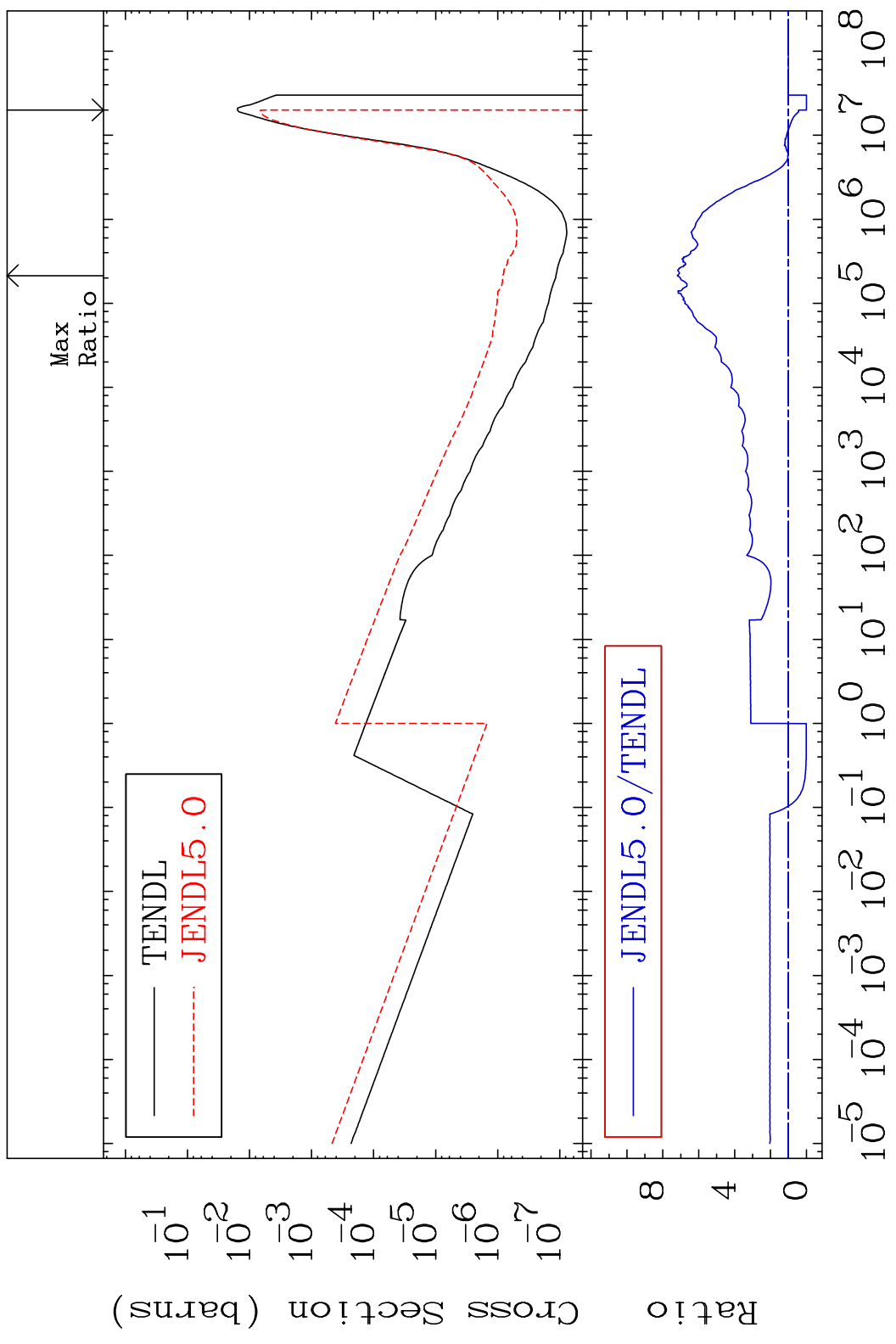
71-Lu-174m

MAT 7123

(n, α)

71-Lu-174m

Cross Section -100.0 To 620.0 %



48

Incident Energy (eV)

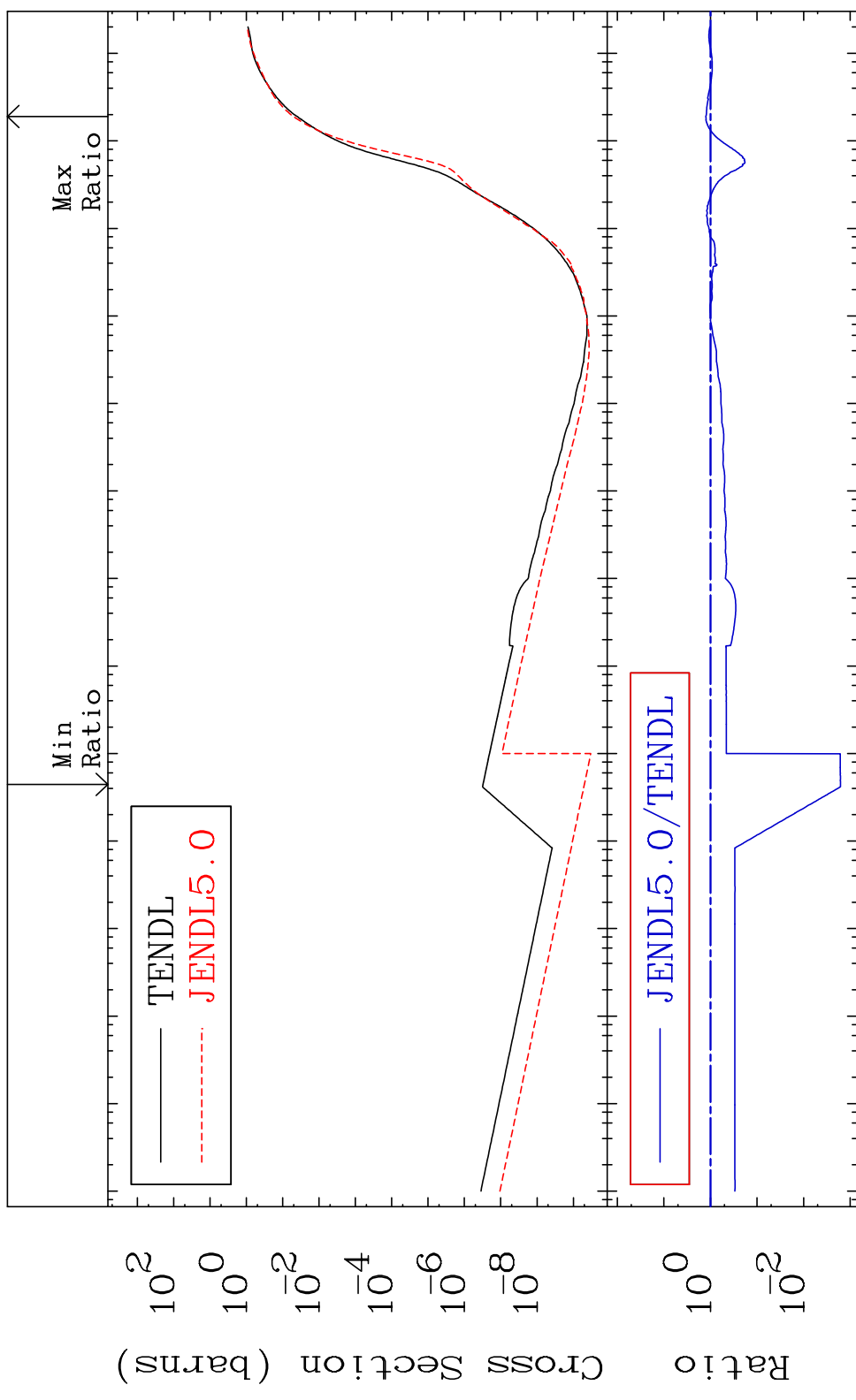
71-Lu-174m

MAT 7123

Hydrogen Production

71-Lu-174m

Cross Section -99.84 To 26.22 %

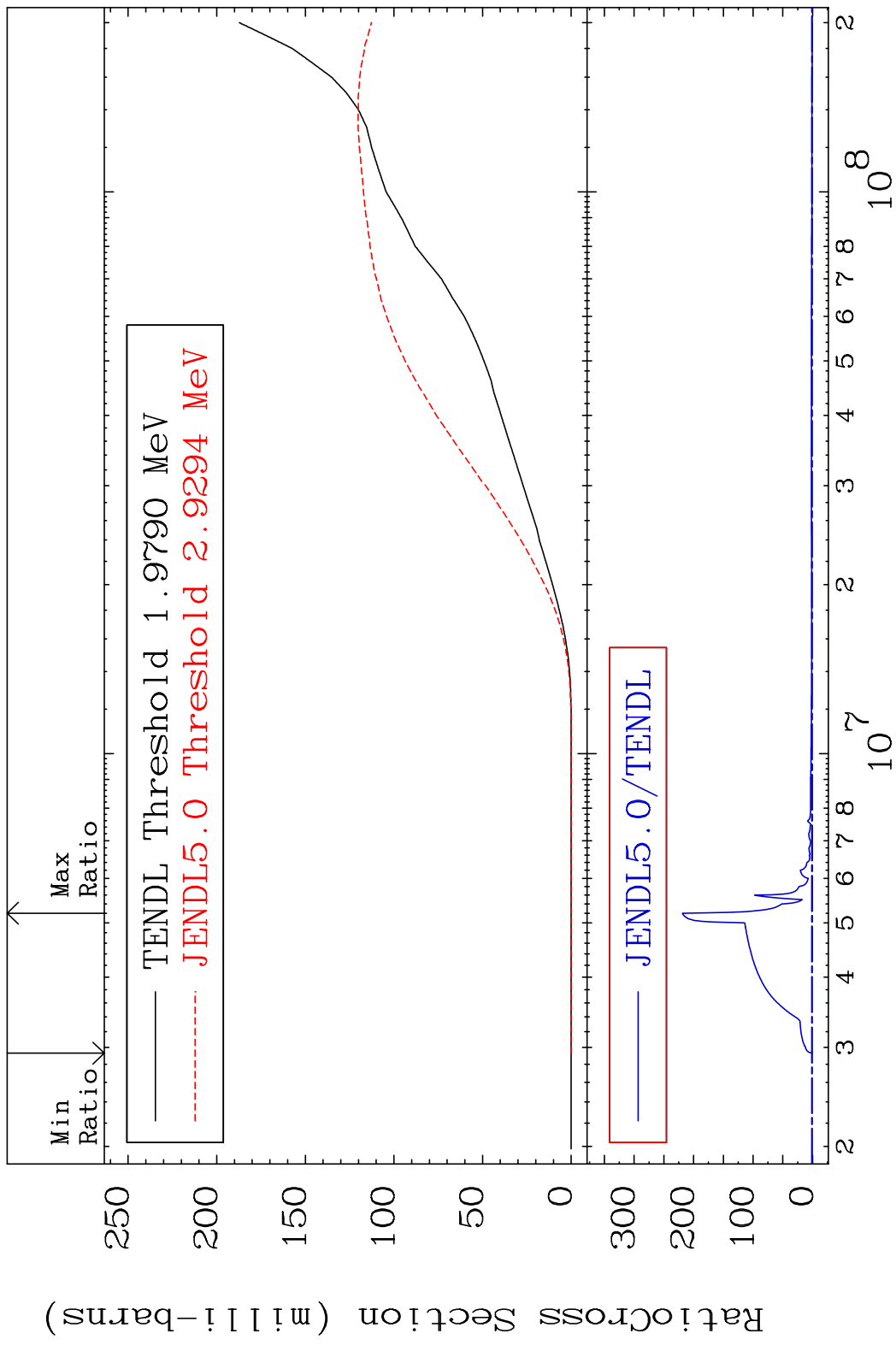


49

Incident Energy (eV)

71-Lu-174m

MAT 7123 Deuterium Production 71-Lu-174m
 Cross Section -100.0 To 9999. %

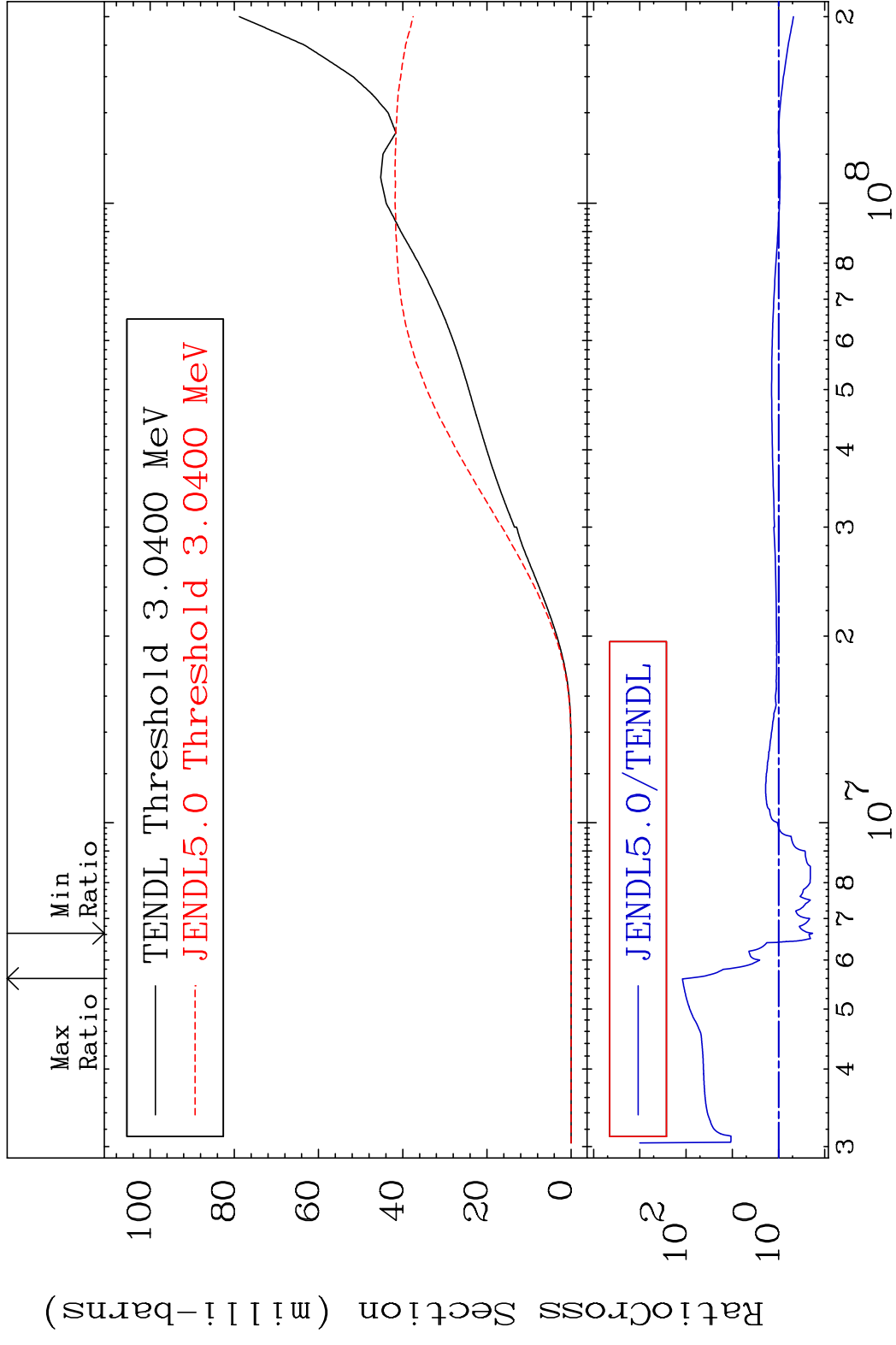


MAT 7123

Tritium Production

71-Lu-174m

Cross Section -81.63 To 9999. %

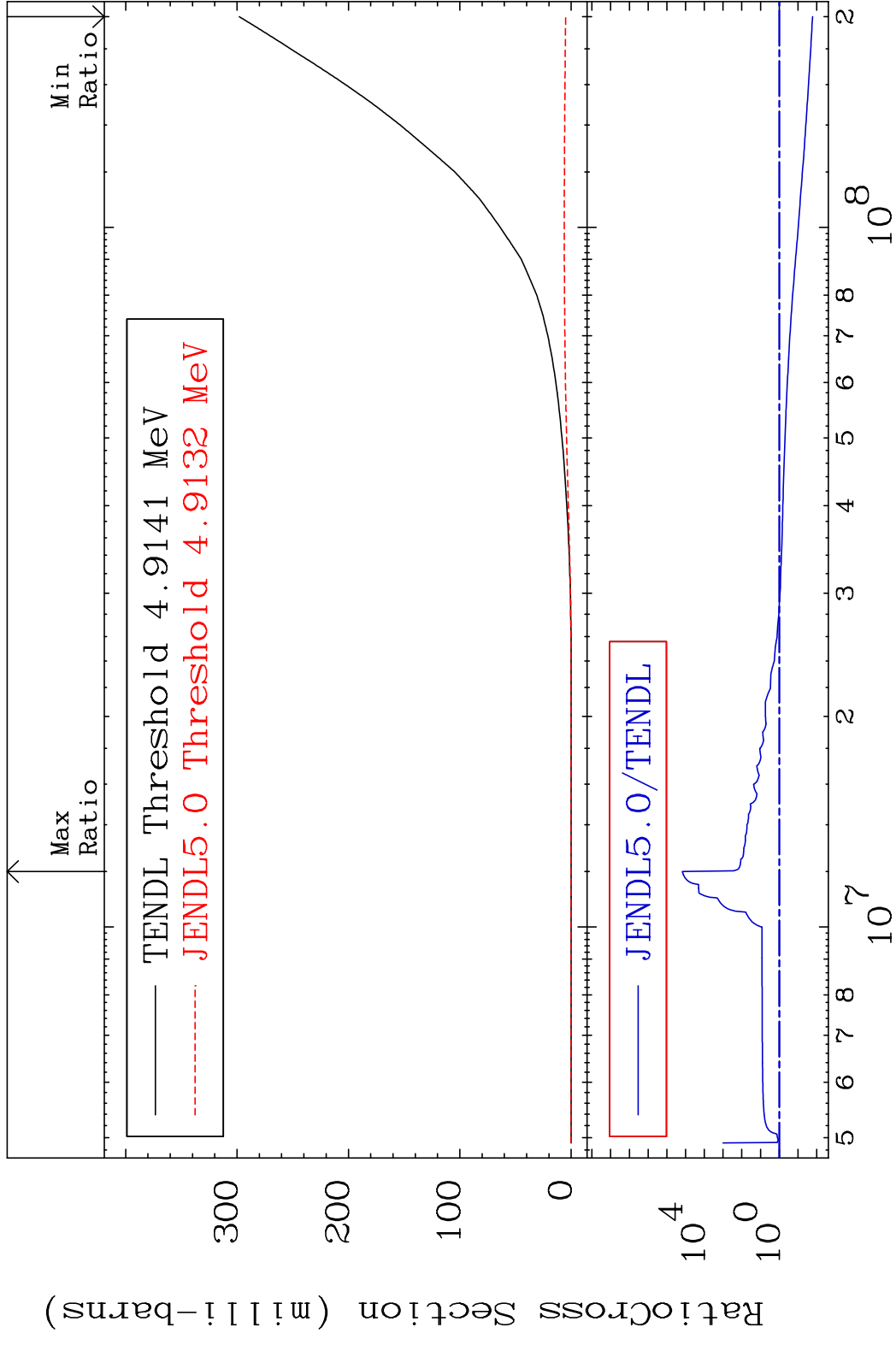


MAT 7123

He-3 Production

71-Lu-174m

Cross Section -98.33 To 9999. %

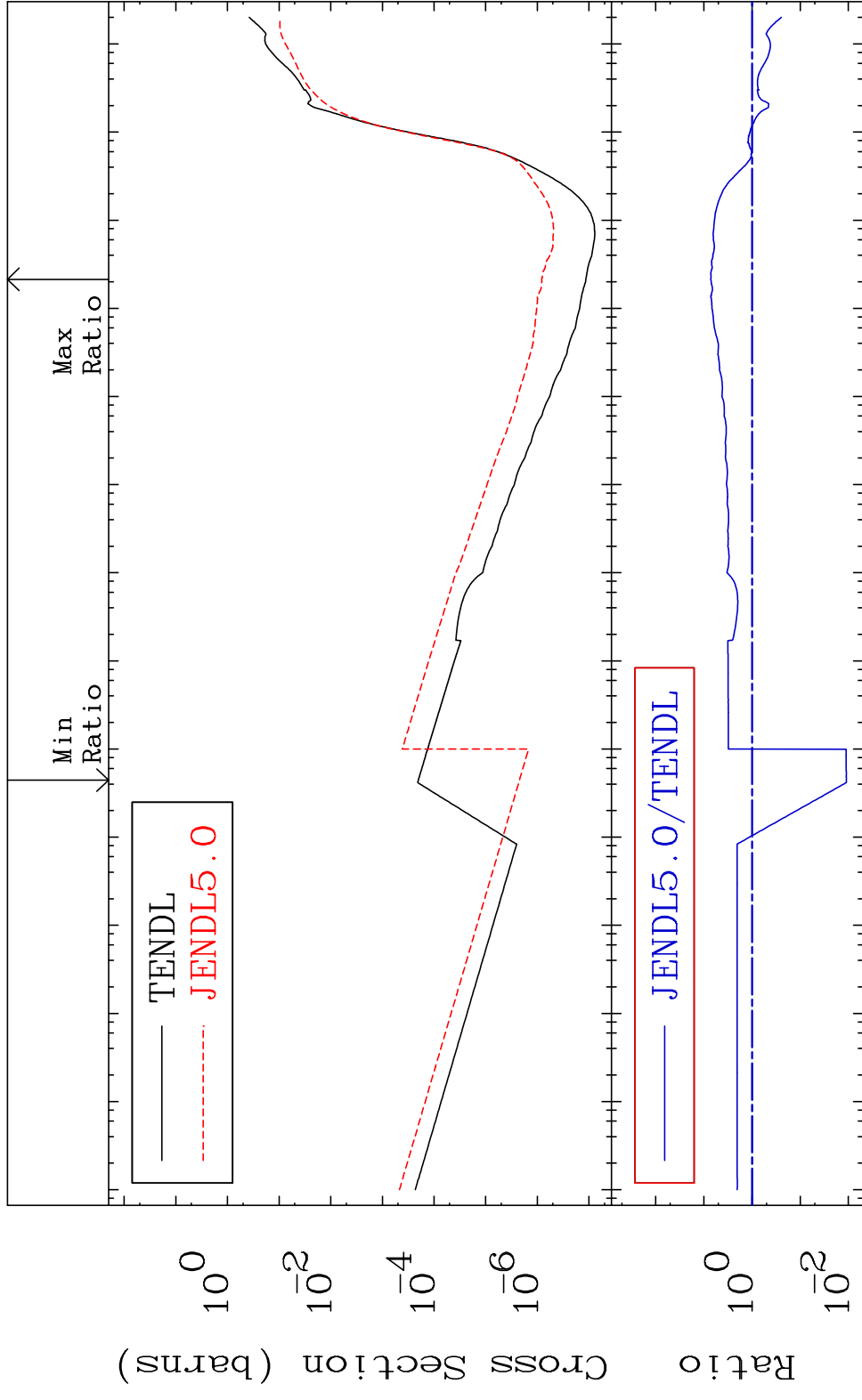


MAT 7123

He-4 Production

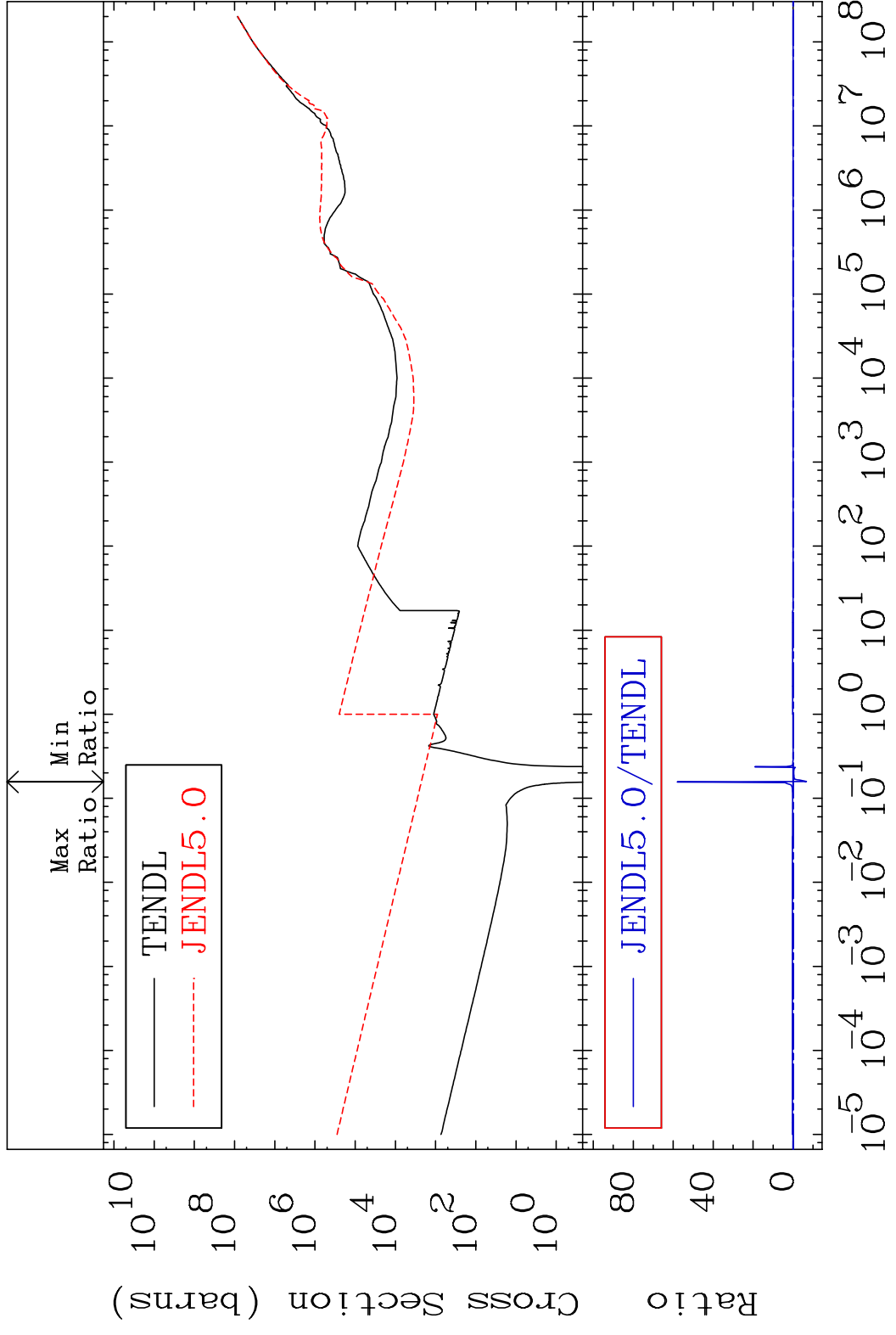
71-Lu-174m

Cross Section -98.90 To 620.0 %



MAT 7123

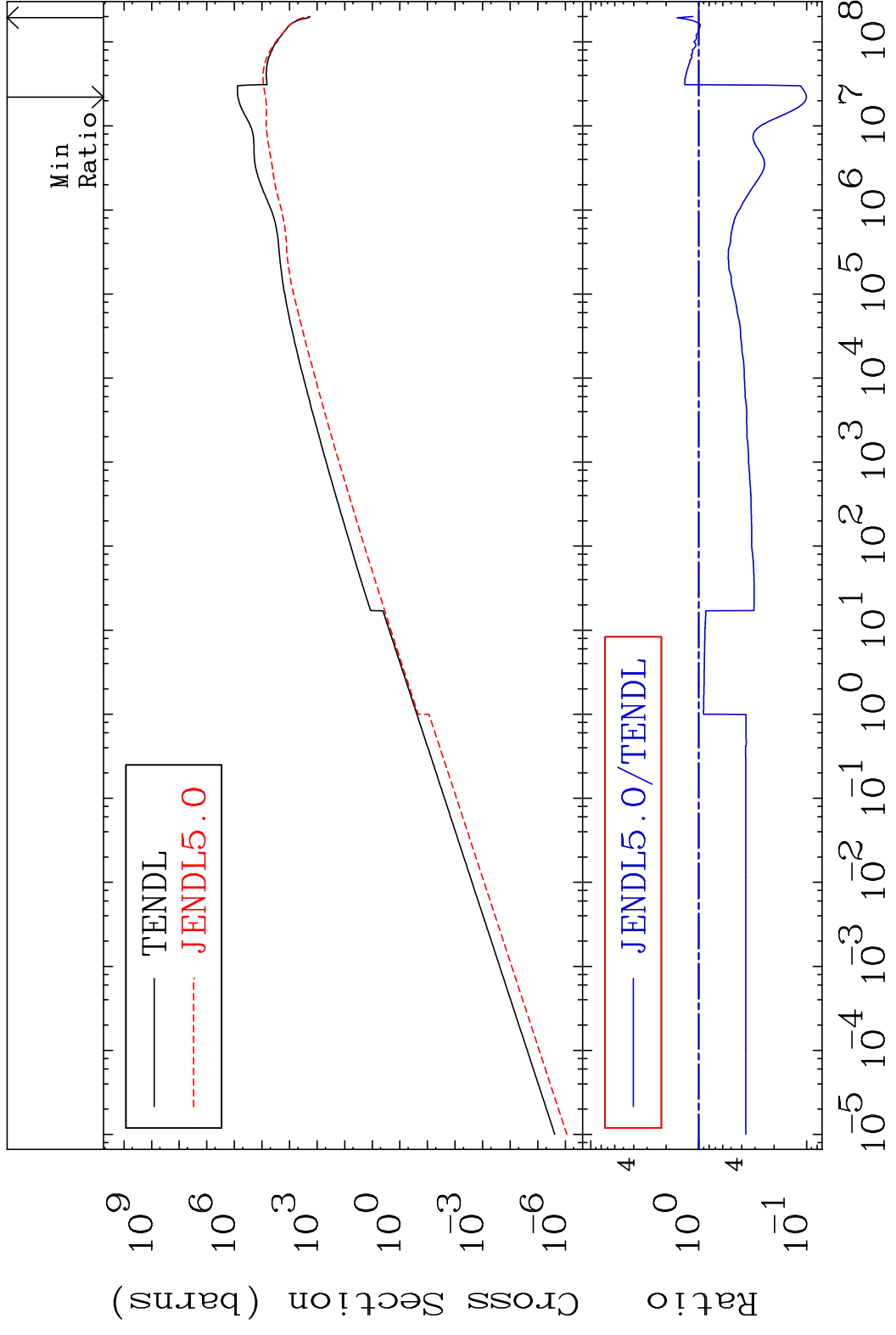
Kerma total (eV-barns) 71-Lu-174m
Cross Section -9999. To 9999. %



MAT 7123

Kerma elastic
Cross Section -89.96 To 58.25 %

71-Lu-174m

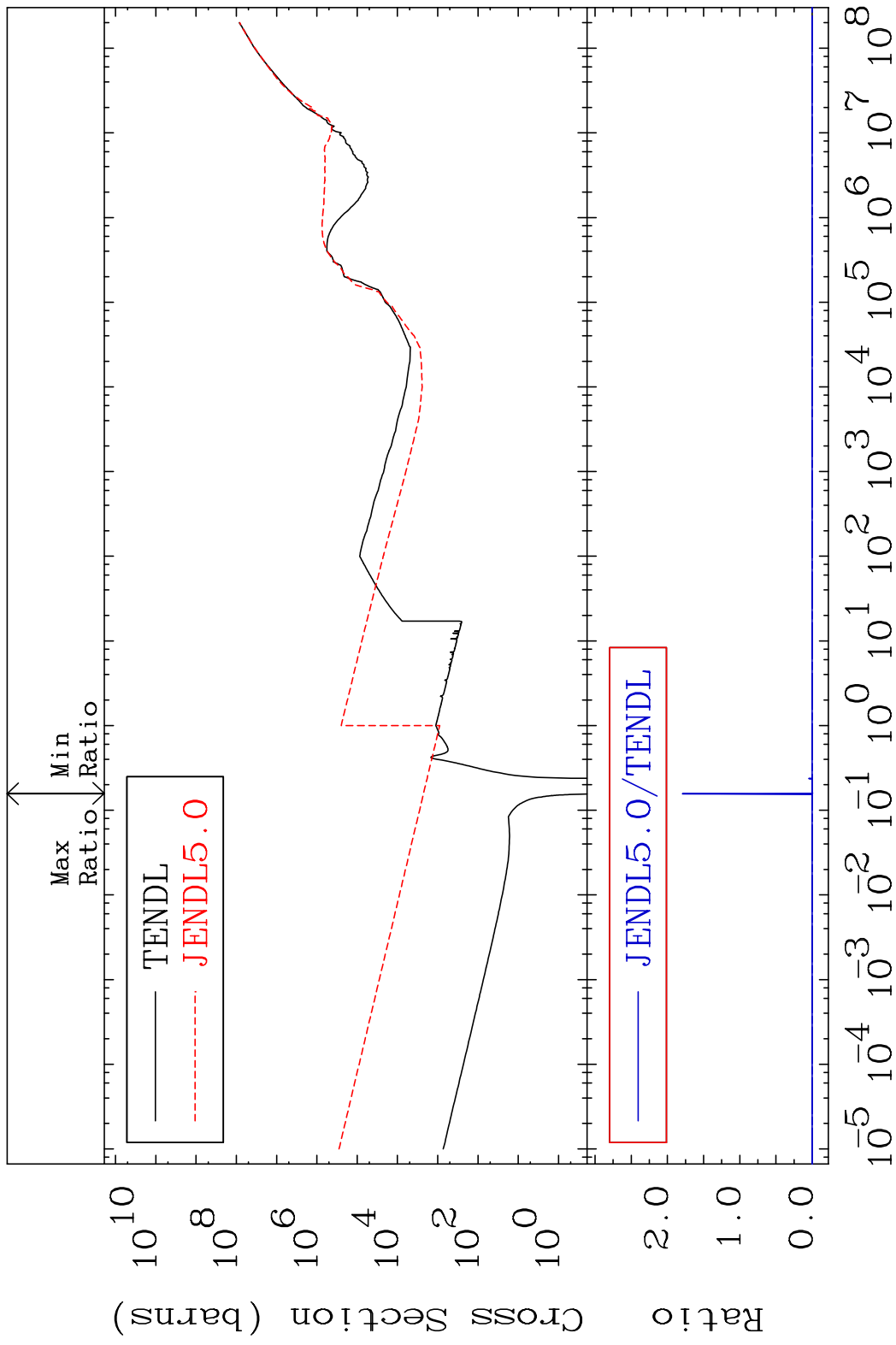


55

Incident Energy (eV)

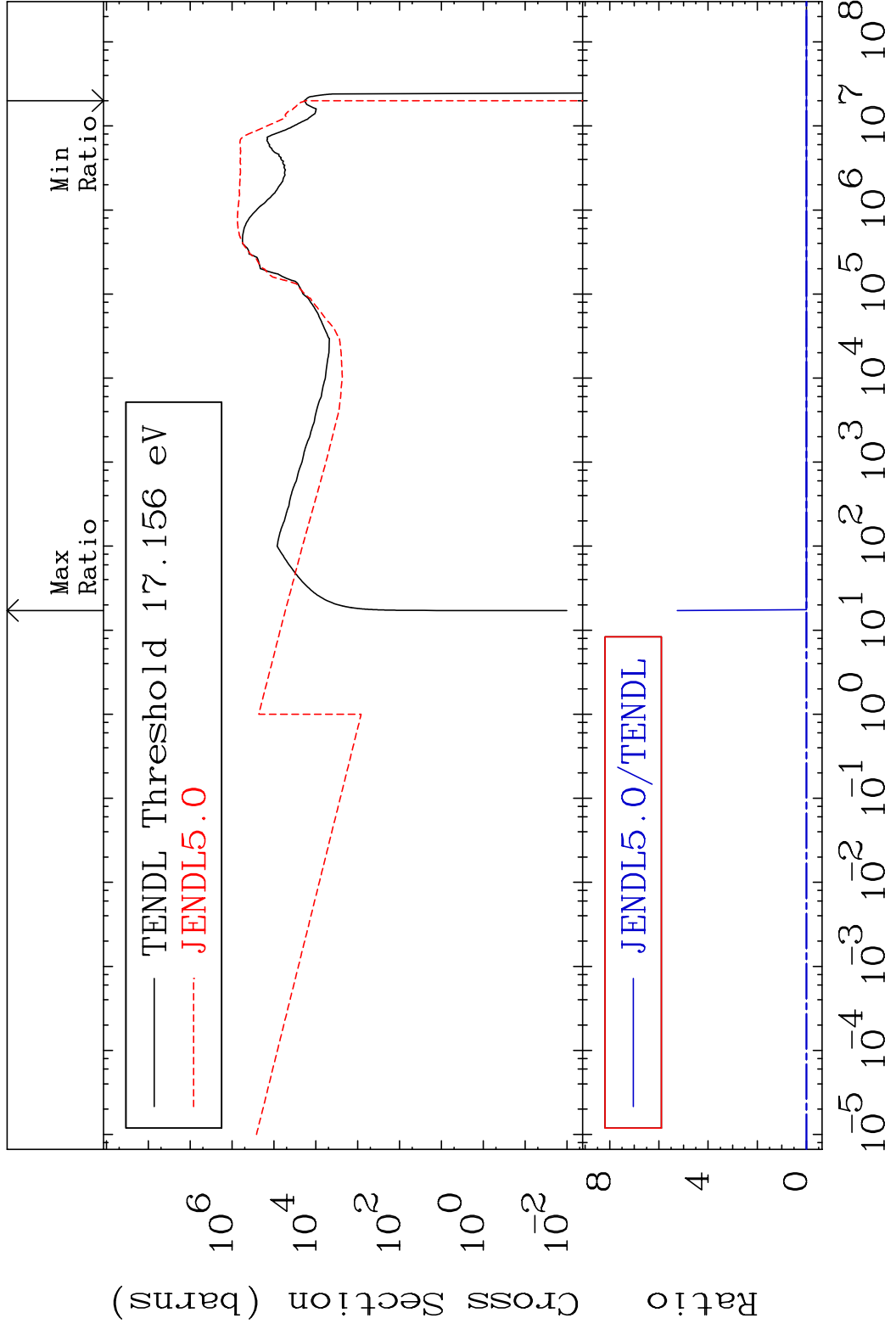
71-Lu-174m

MAT 7123 Kerma non-elastic (all but mt2) 71-Lu-174m
 Cross Section -9999. To 9999. %



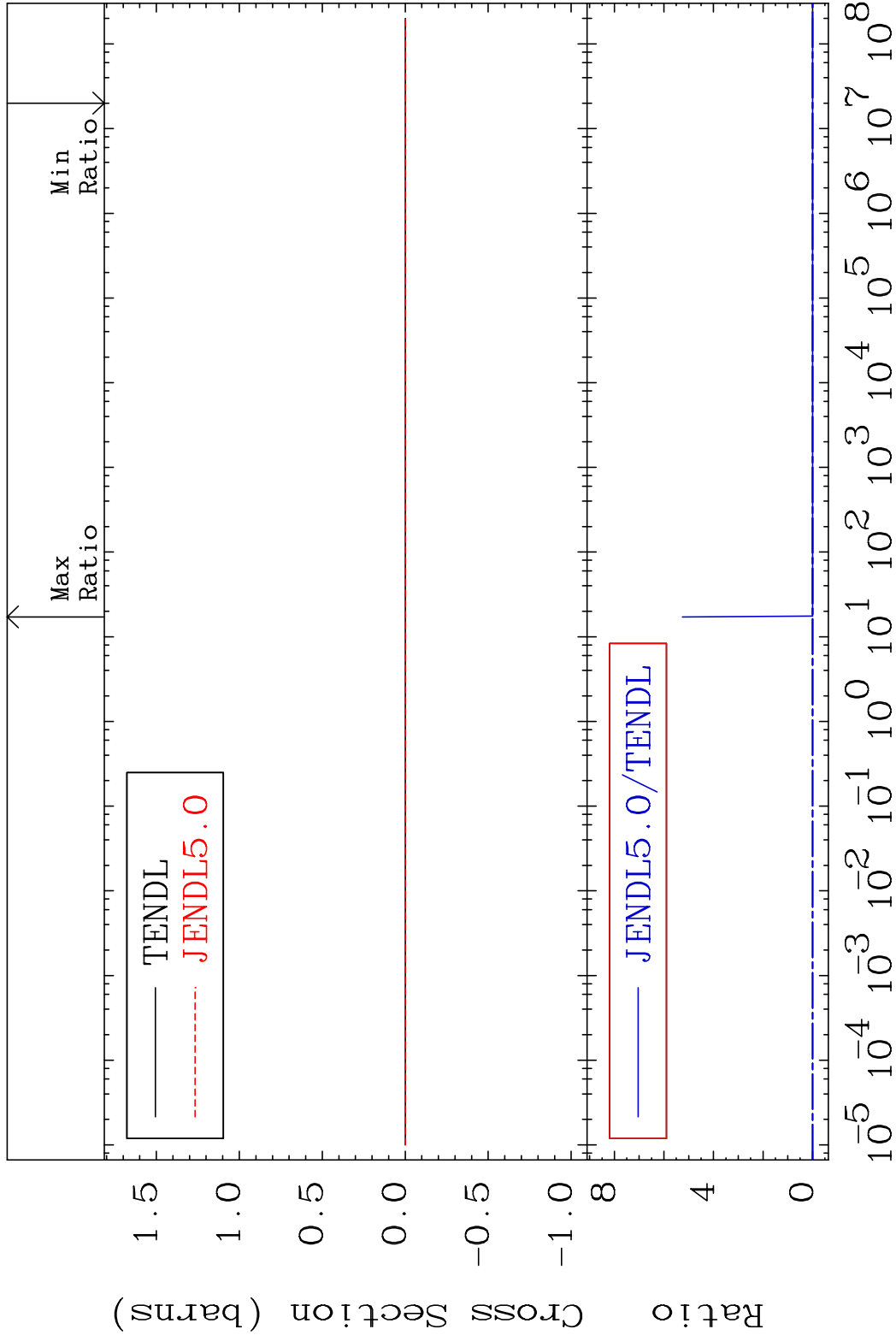
56 Incident Energy (eV) 71-Lu-174m

MAT 7123 Kerma inelastic (mt51-91) 71-Lu-174m
 Cross Section -100.0 To 9999. %



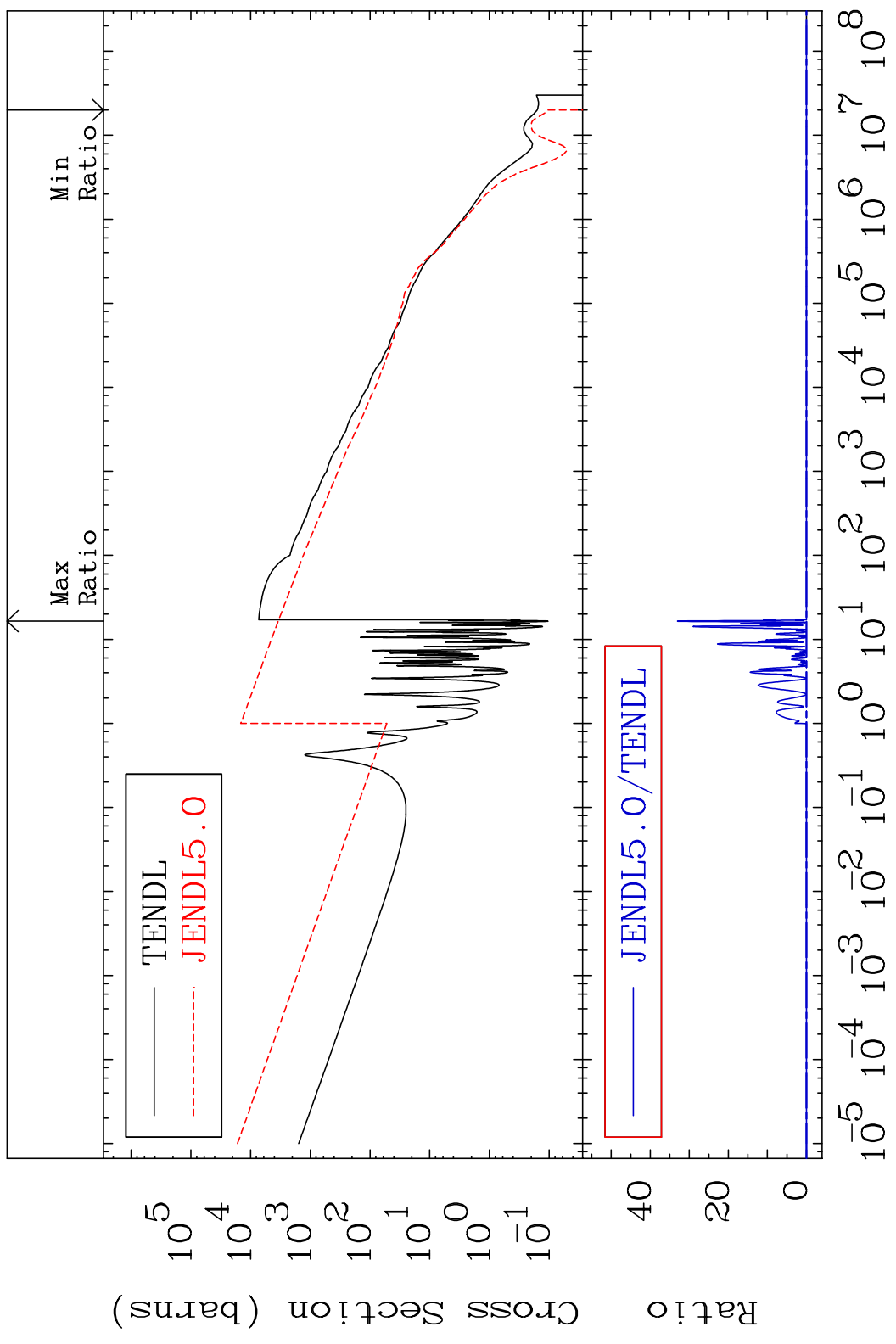
57 Incident Energy (eV) 71-Lu-174m

MAT 7123 Kerma fission (mt18 or mt19-20-21-38)-Lu-174m
 Cross Section -100.0 To 9999. %



MAT 7123

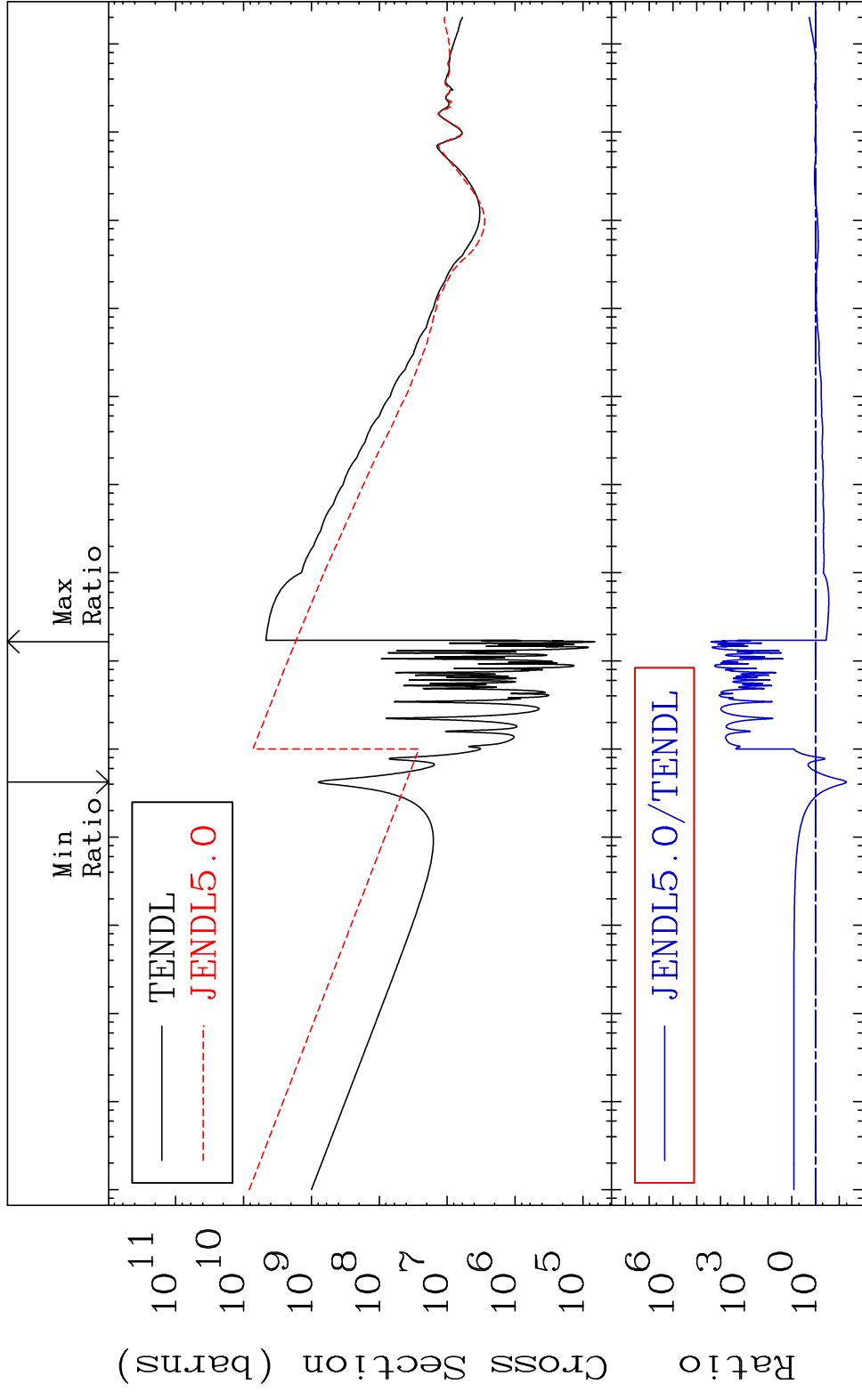
Kerma capture (mt102) 71-Lu-174m
Cross Section -100.0 To 9999. %



59

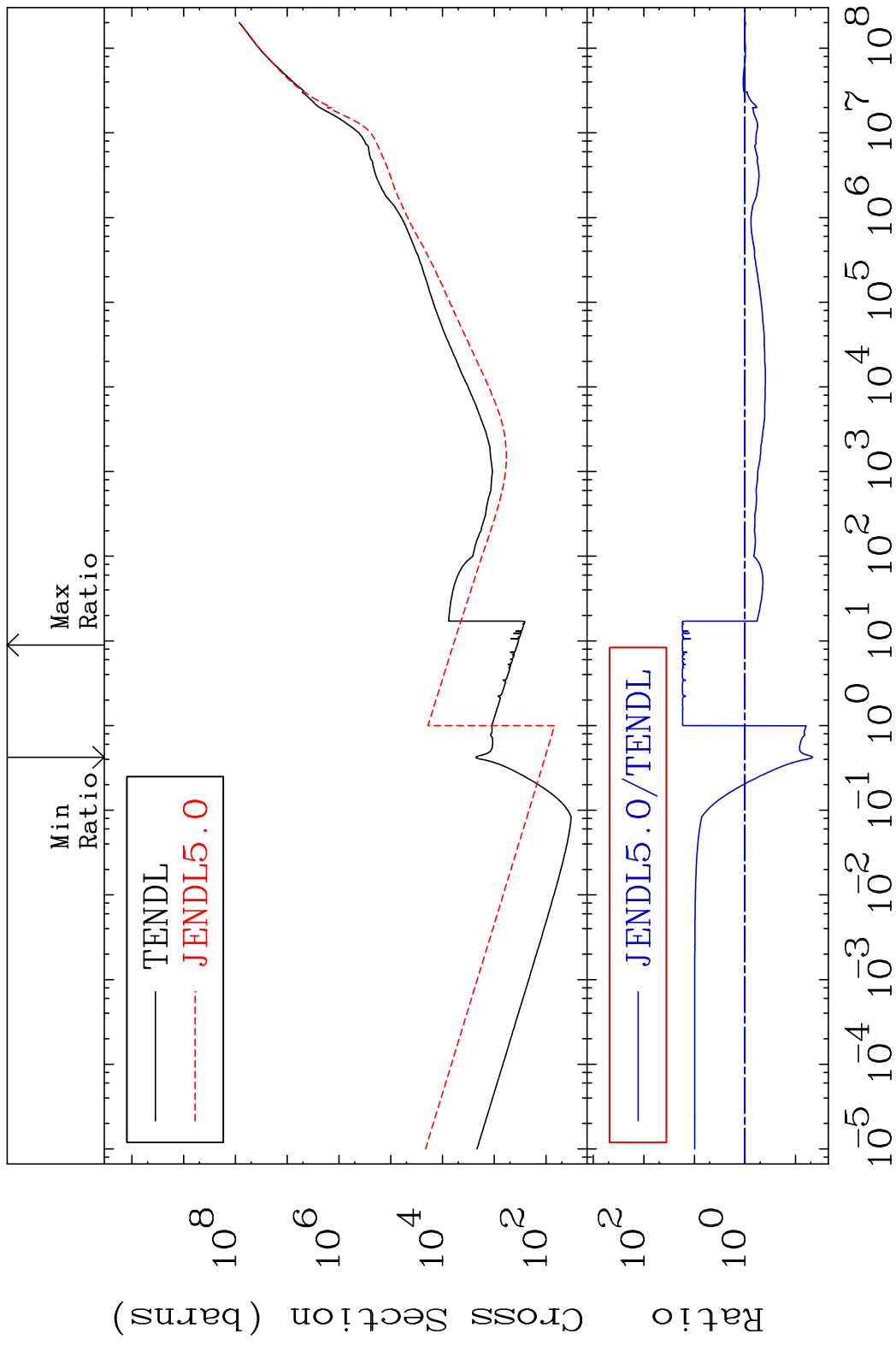
Incident Energy (eV) 71-Lu-174m

MAT 7123 Total photon (eV-barns) 71-Lu-174m
 Cross Section -94.91 To 9999. %

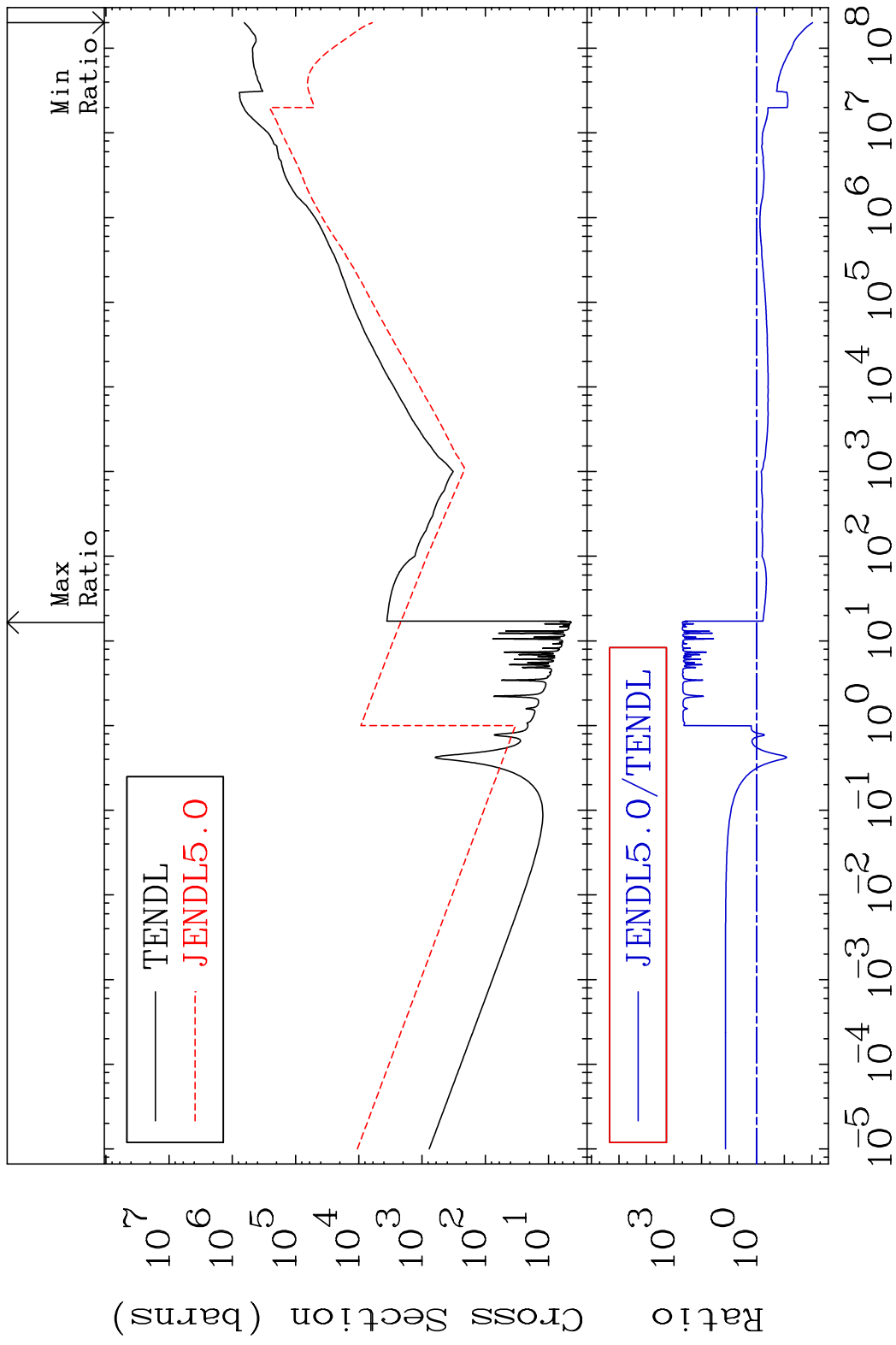


60 Incident Energy (eV) 71-Lu-174m

MAT 7123 Total kinematic kerma (high limit)71-Lu-174m
 Cross Section -95.39 To 1629. %



MAT 7123 Dpa total (eV-barns) 71-Lu-174m
 Cross Section -99.06 To 9999. %



62 Incident Energy (eV) 71-Lu-174m

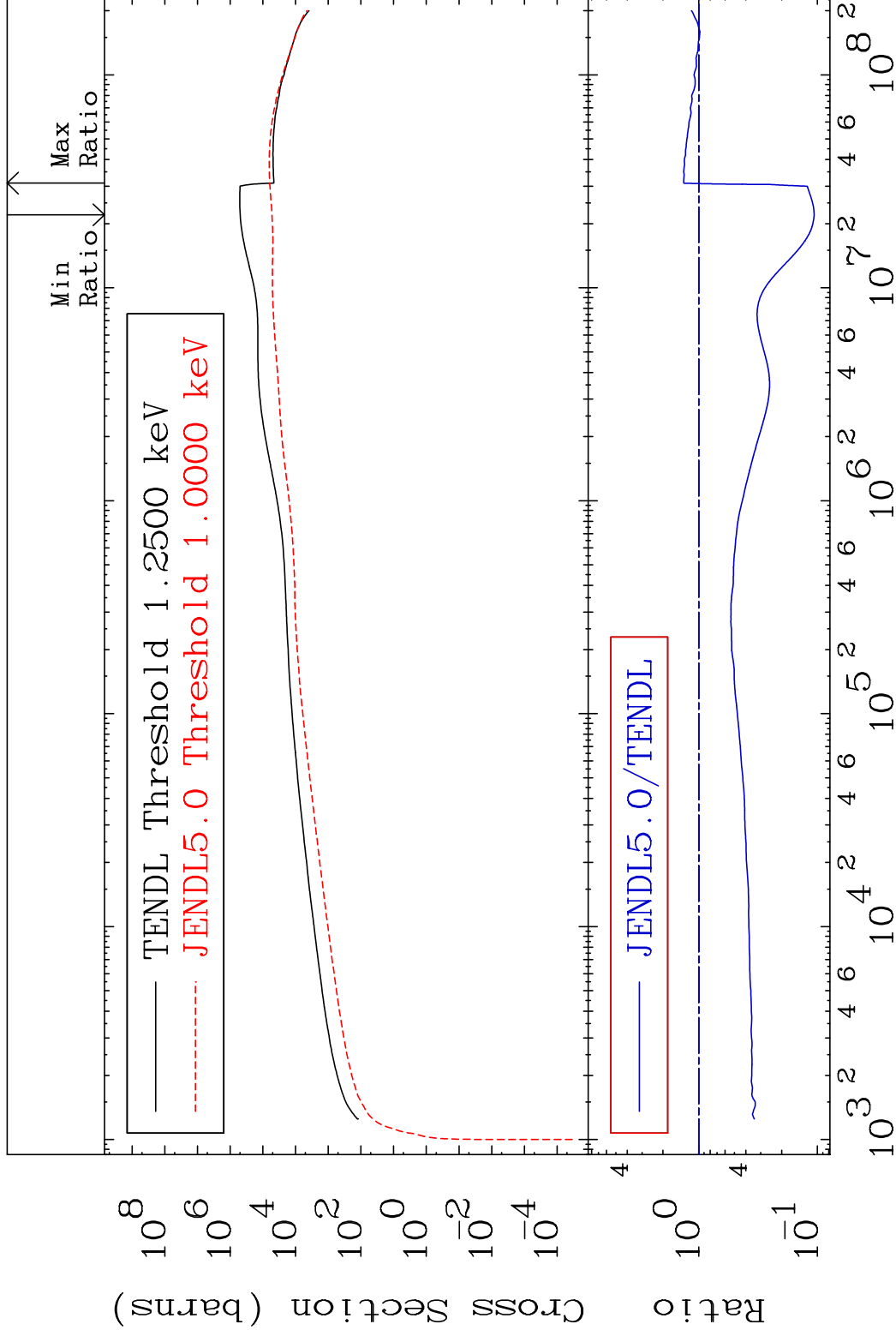
MAT 7123

Dpa elastic (mt2)

71-Lu-174m

Cross Section

-89.36 To 33.84 %

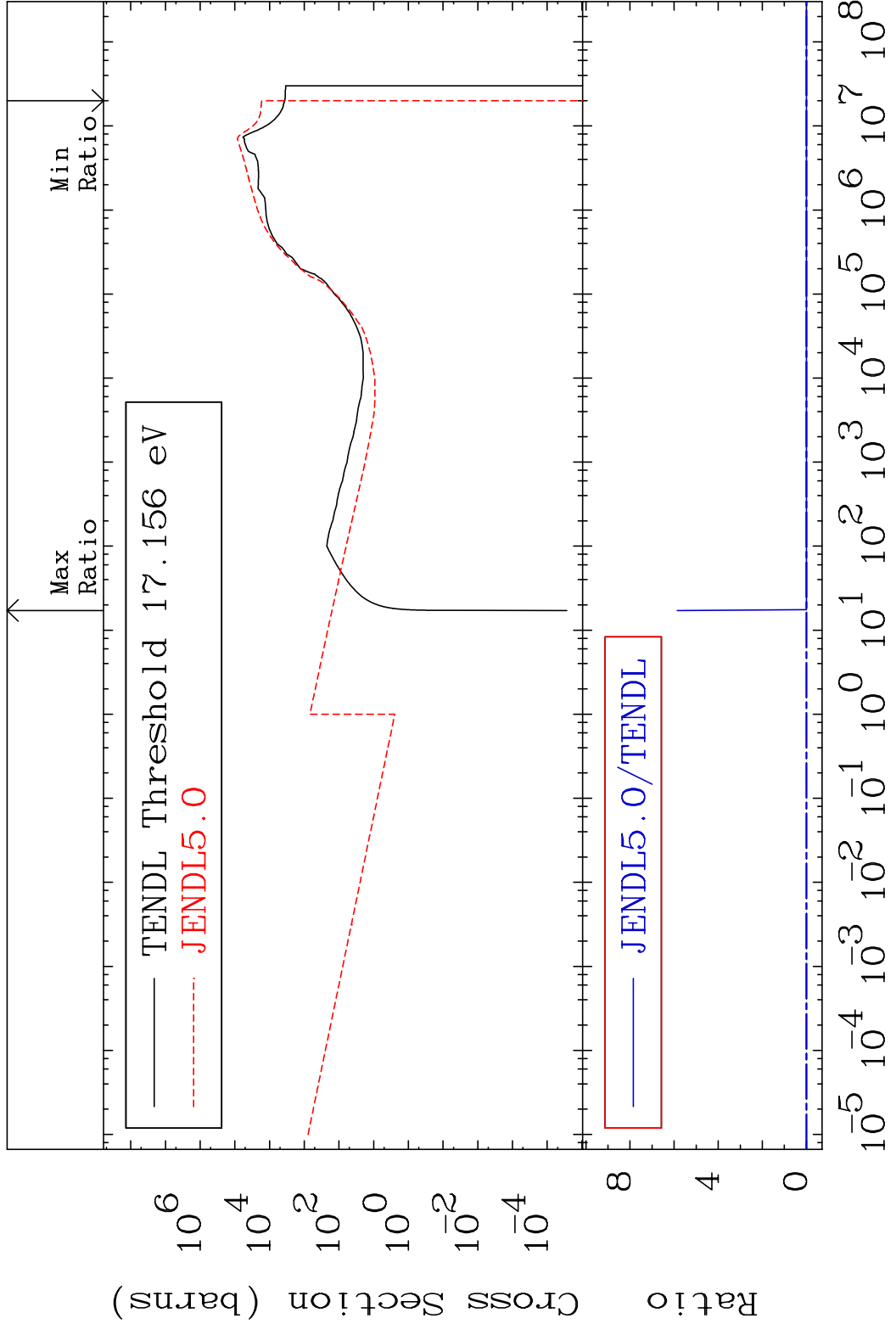


63

Incident Energy (eV)

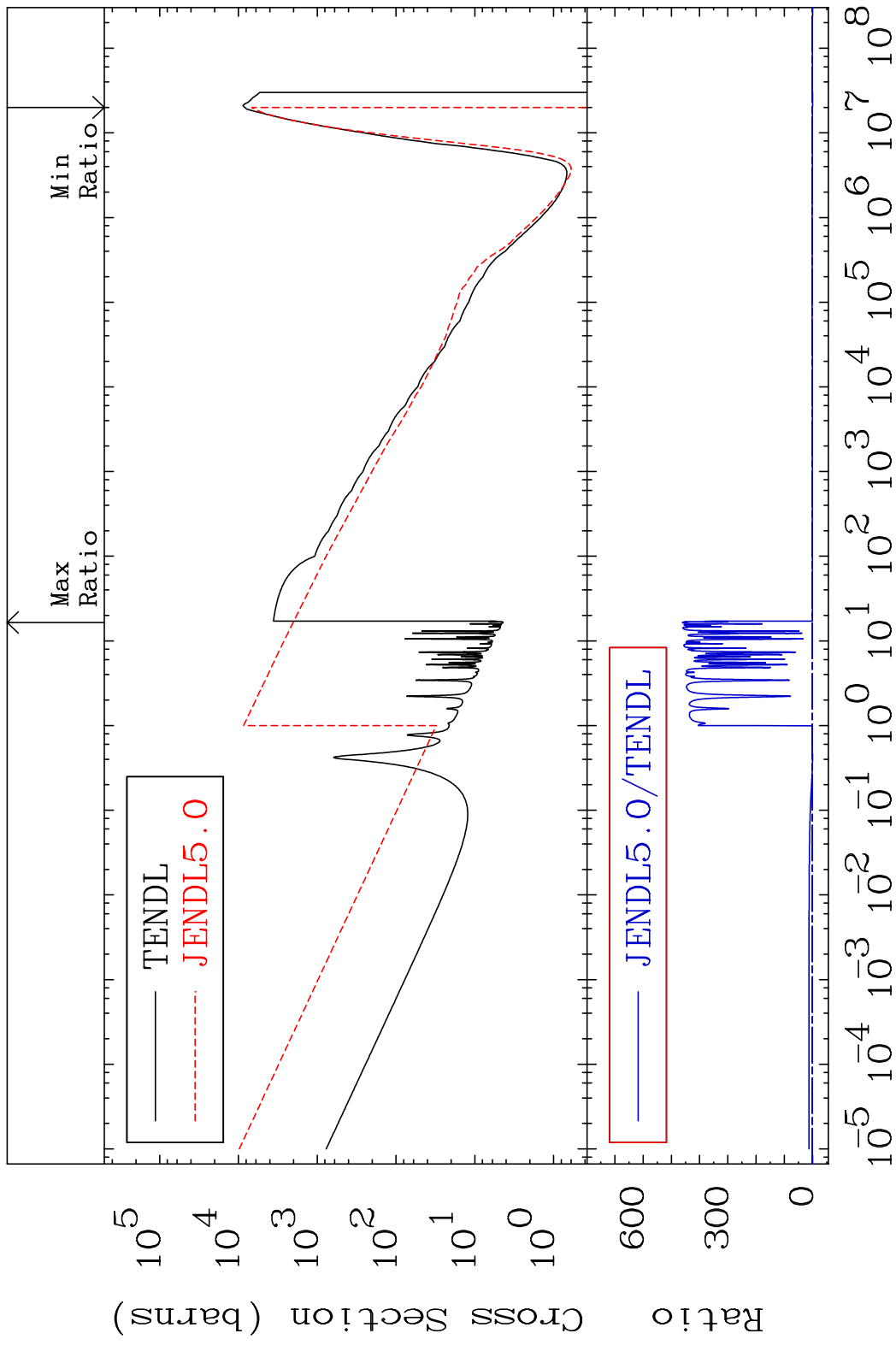
71-Lu-174m

MAT 7123 Dpa inelastic (mt51-91) 71-Lu-174m
 Cross Section -100.0 To 9999. %

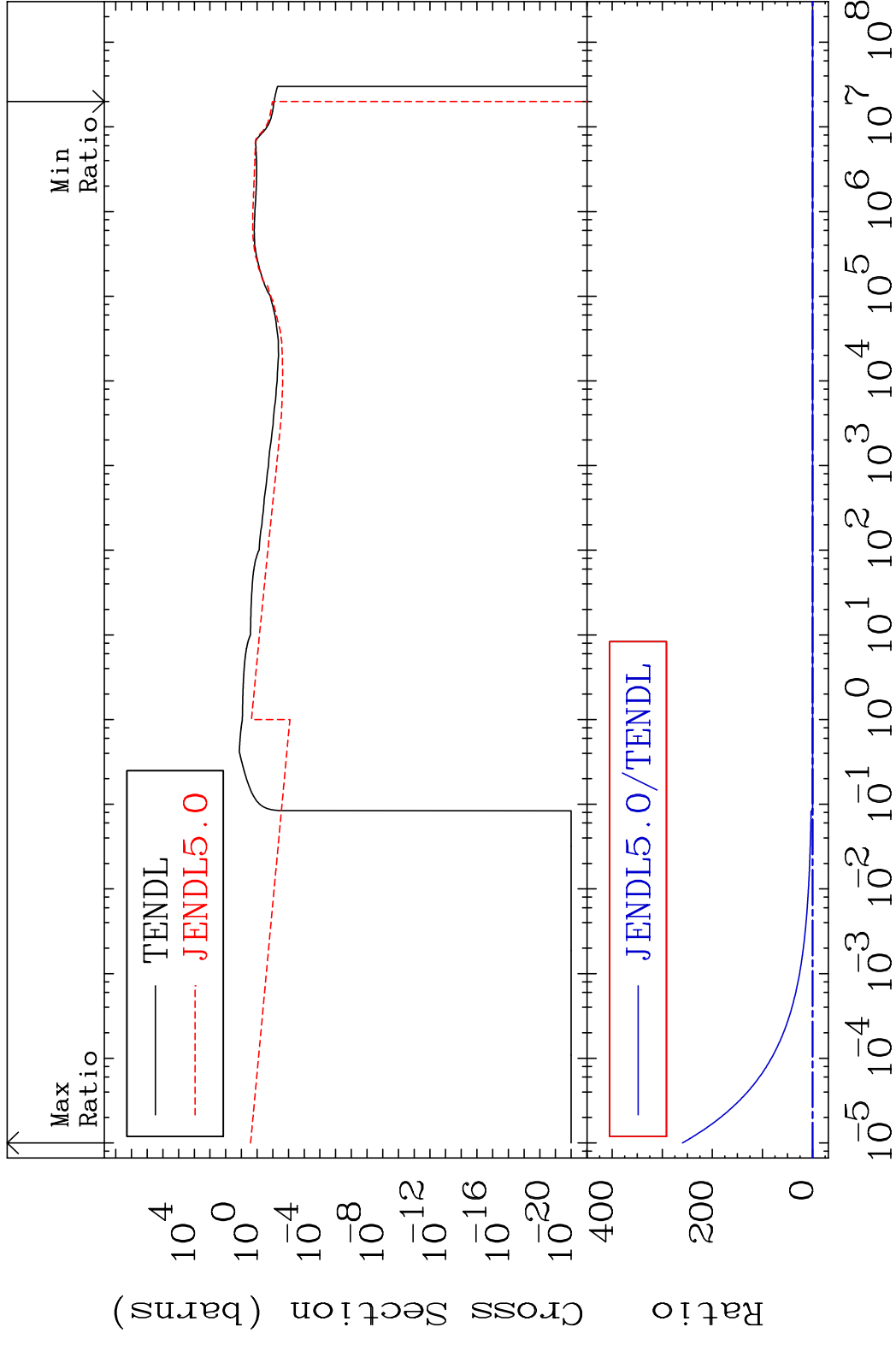


64 Incident Energy (eV) 71-Lu-174m

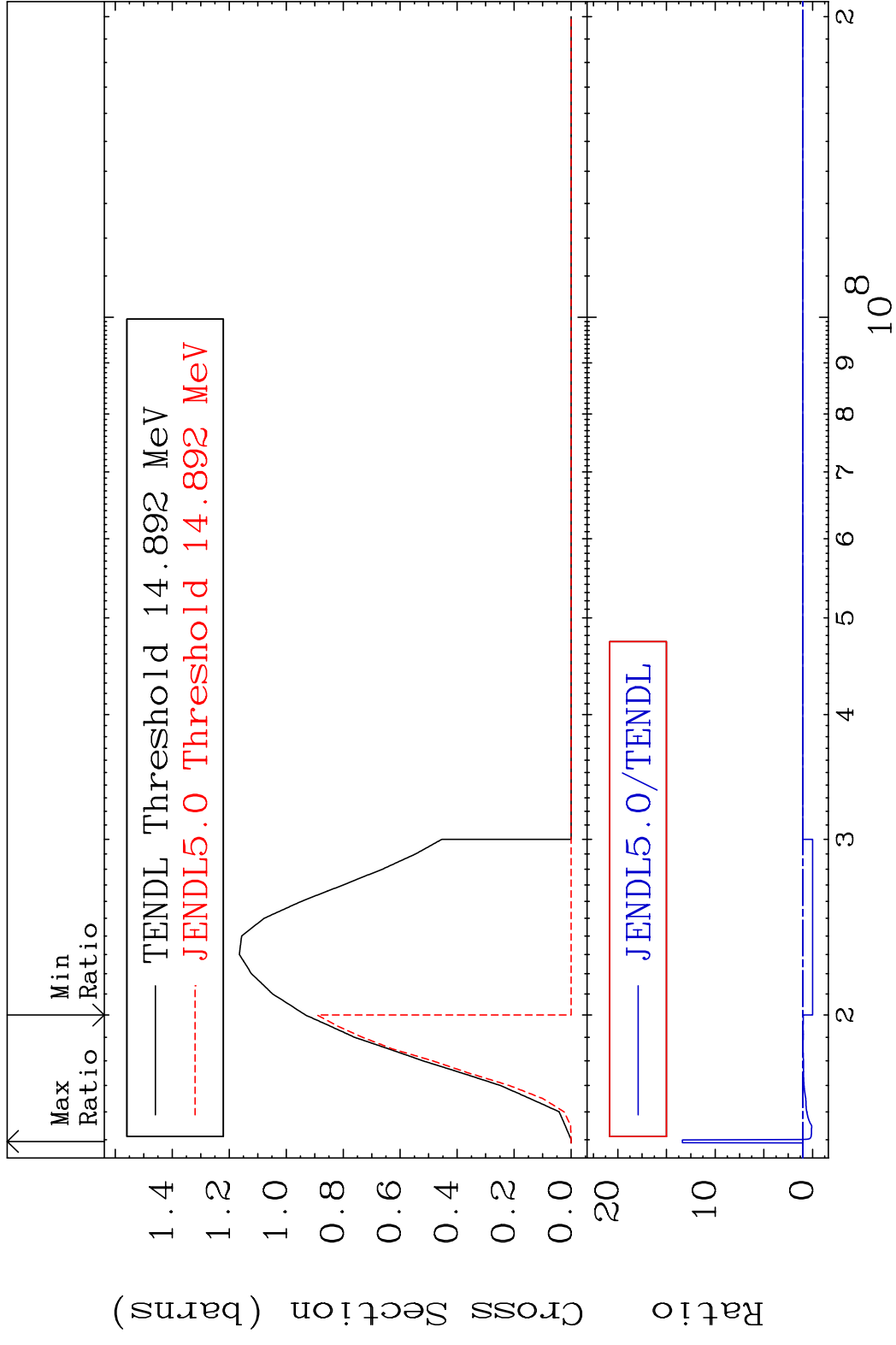
MAT 7123 Dpa disappearance (mt102 -120) 71-Lu-174m
 Cross Section -100.0 To 9999. %



MAT 7123 Inelastic:71-Lu-174g 71-Lu-174m
 Radionuclide Production Cross Section Ratio 9999. %



MAT 7123 (n,3n):71-Lu-172g 71-Lu-174m
 Radionuclide Production Cross Section 180.0 dth 1237. %



MAT 7123 (n, 3n): 71-Lu-172m1 71-Lu-174m
 Radionuclide Production Cross Section 1546. %

