

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

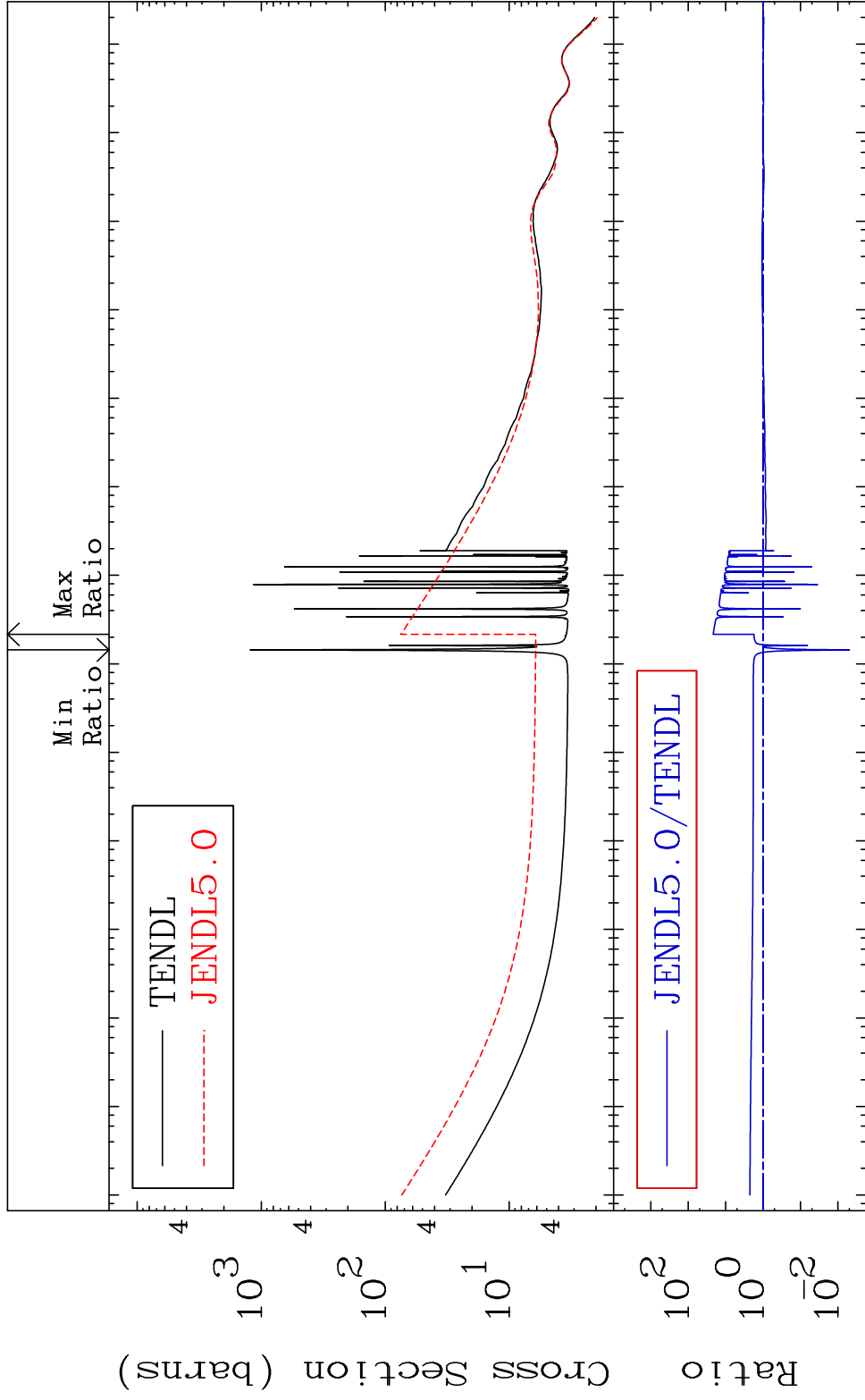
Press Mouse Button to Start

MAT 5241

Total

52-Te-125m

Cross Section -99.50 To 2062. %



10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

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

Incident Energy (eV)

52-Te-125m

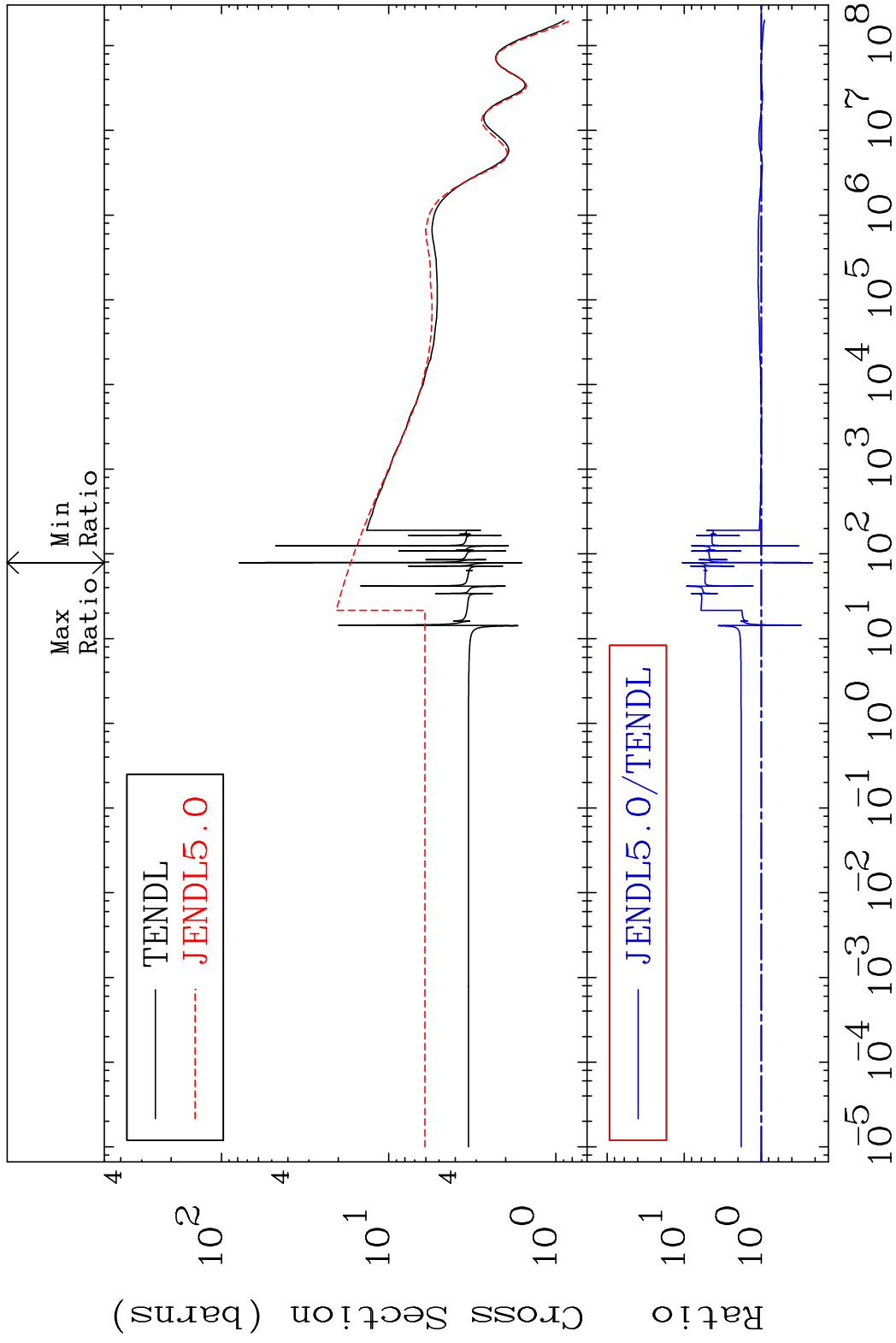
MAT 5241

Elastic

52-Te-125m

Cross Section

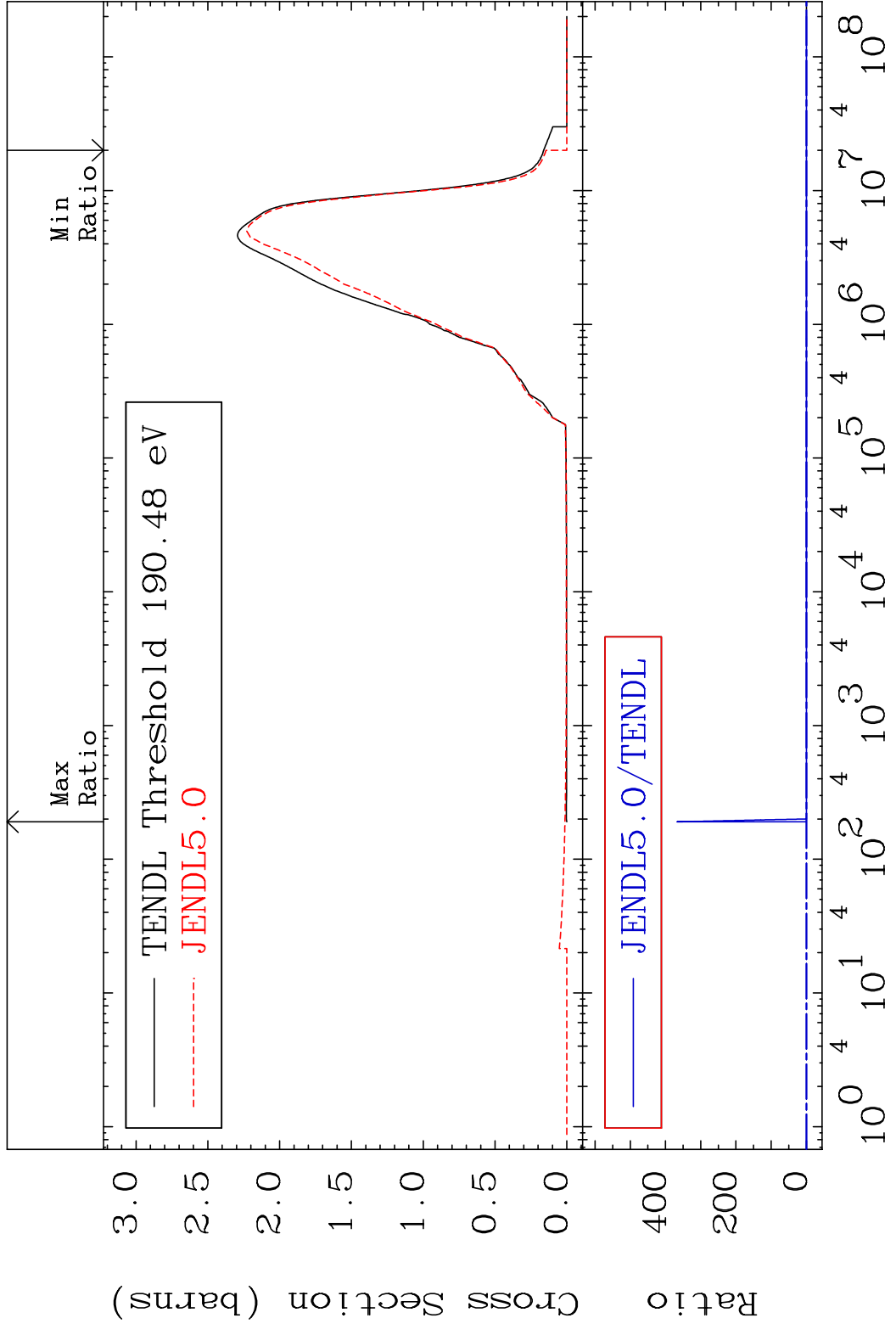
-78.43 To 954.2 %



2

52-Te-125m

MAT 5241 Inelastic Cross Section -100.0 To 9999. % 52-Te-125m



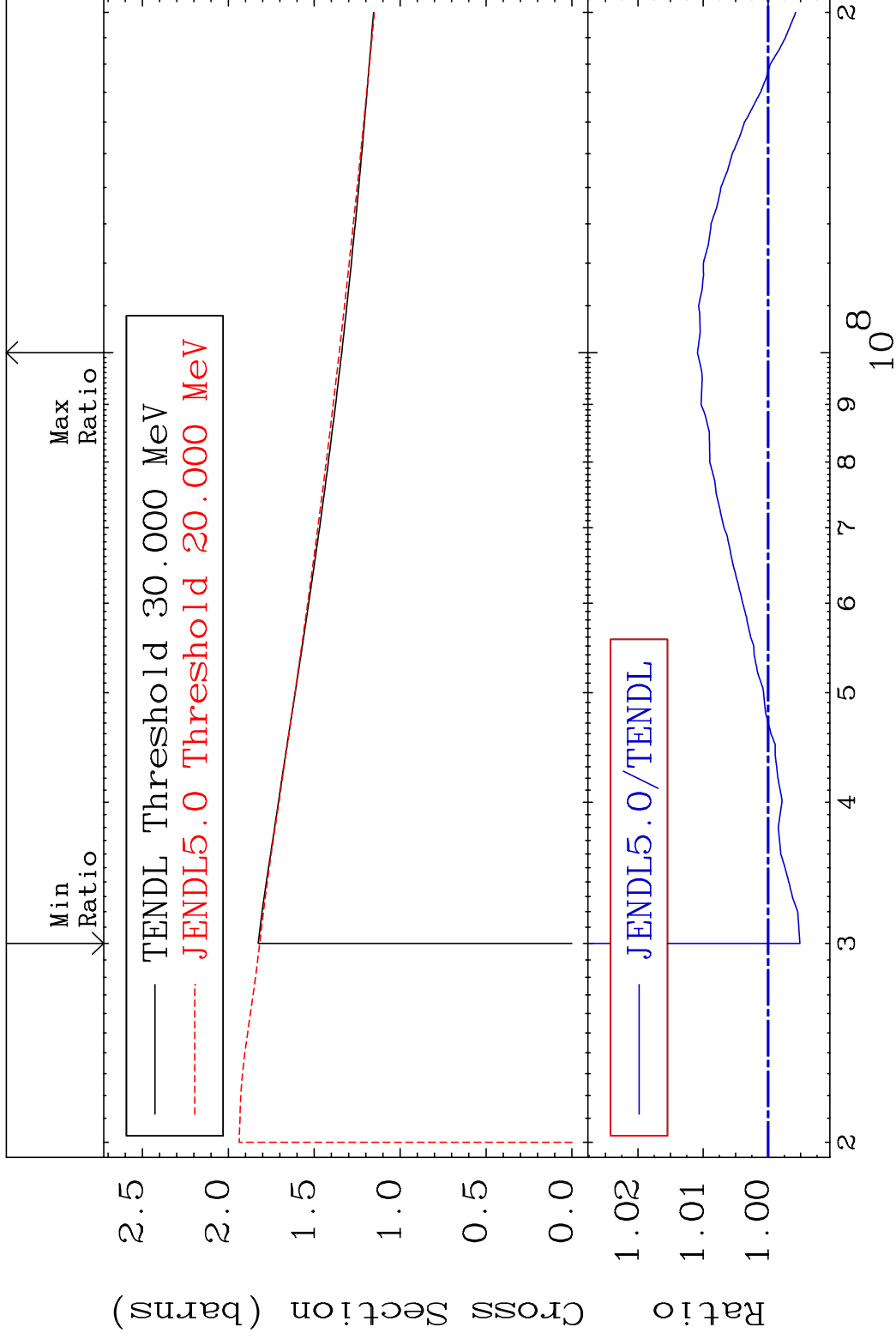
3 Incident Energy (eV) 52-Te-125m

MAT 5241

(n, remainder)

52-Te-125m

Cross Section -0.489 To 1.085 %



4

Incident Energy (eV)

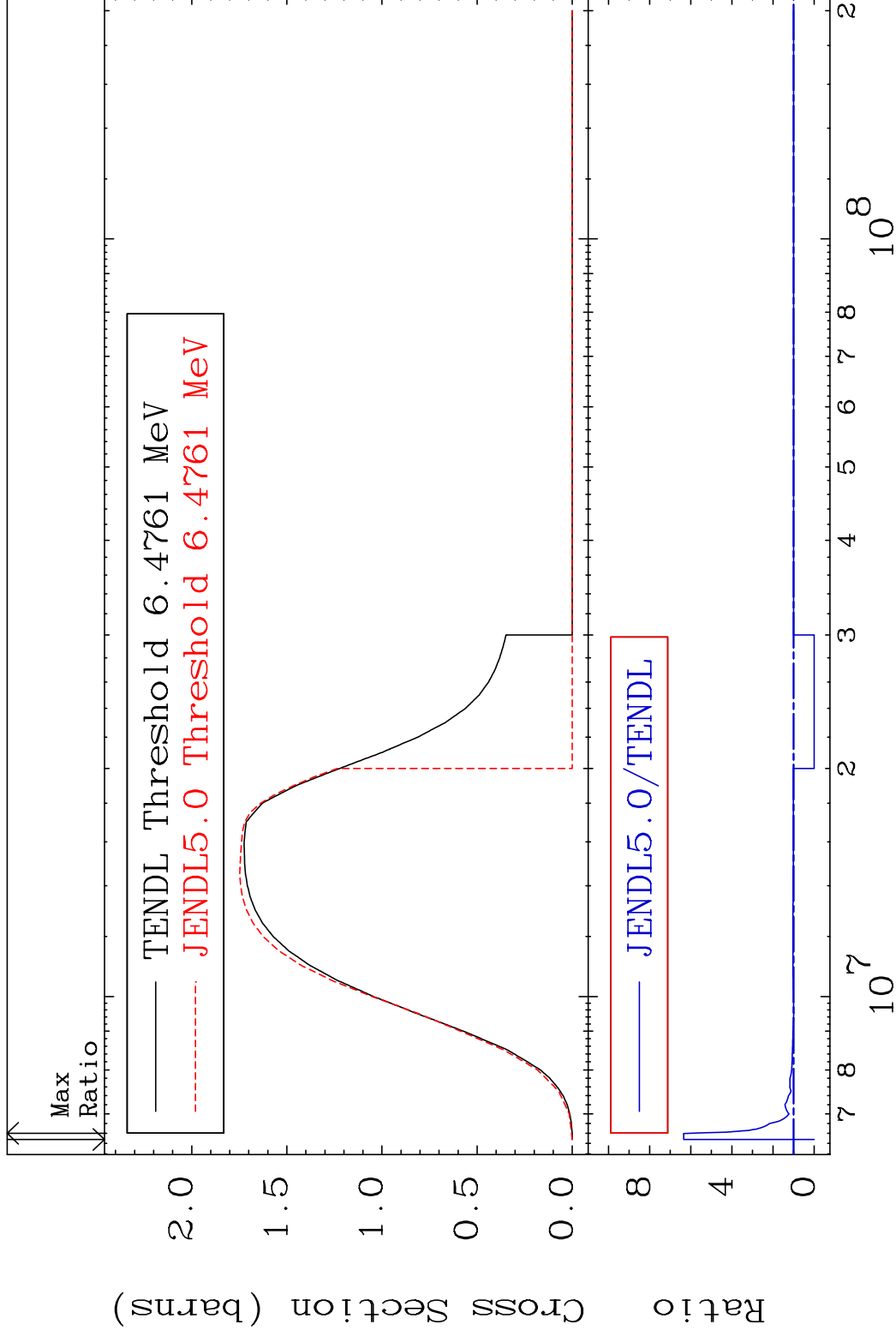
52-Te-125m

MAT 5241

(n,2n)

52-Te-125m

Cross Section -100.0 To 534.7 %



5

Incident Energy (eV)

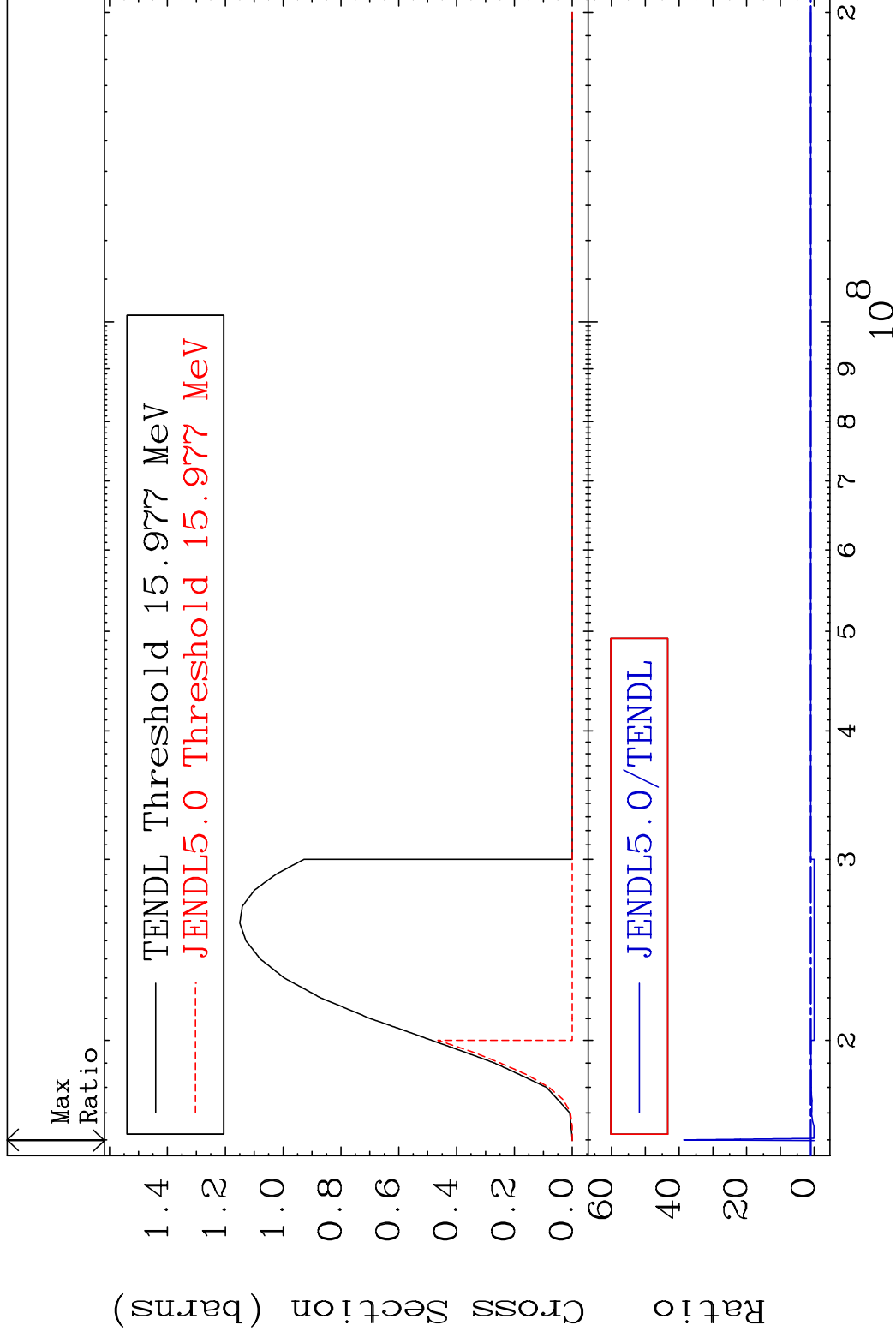
52-Te-125m

MAT 5241

(n,3n)

52-Te-125m

Cross Section -100.0 To 3765. %



6

Incident Energy (eV)

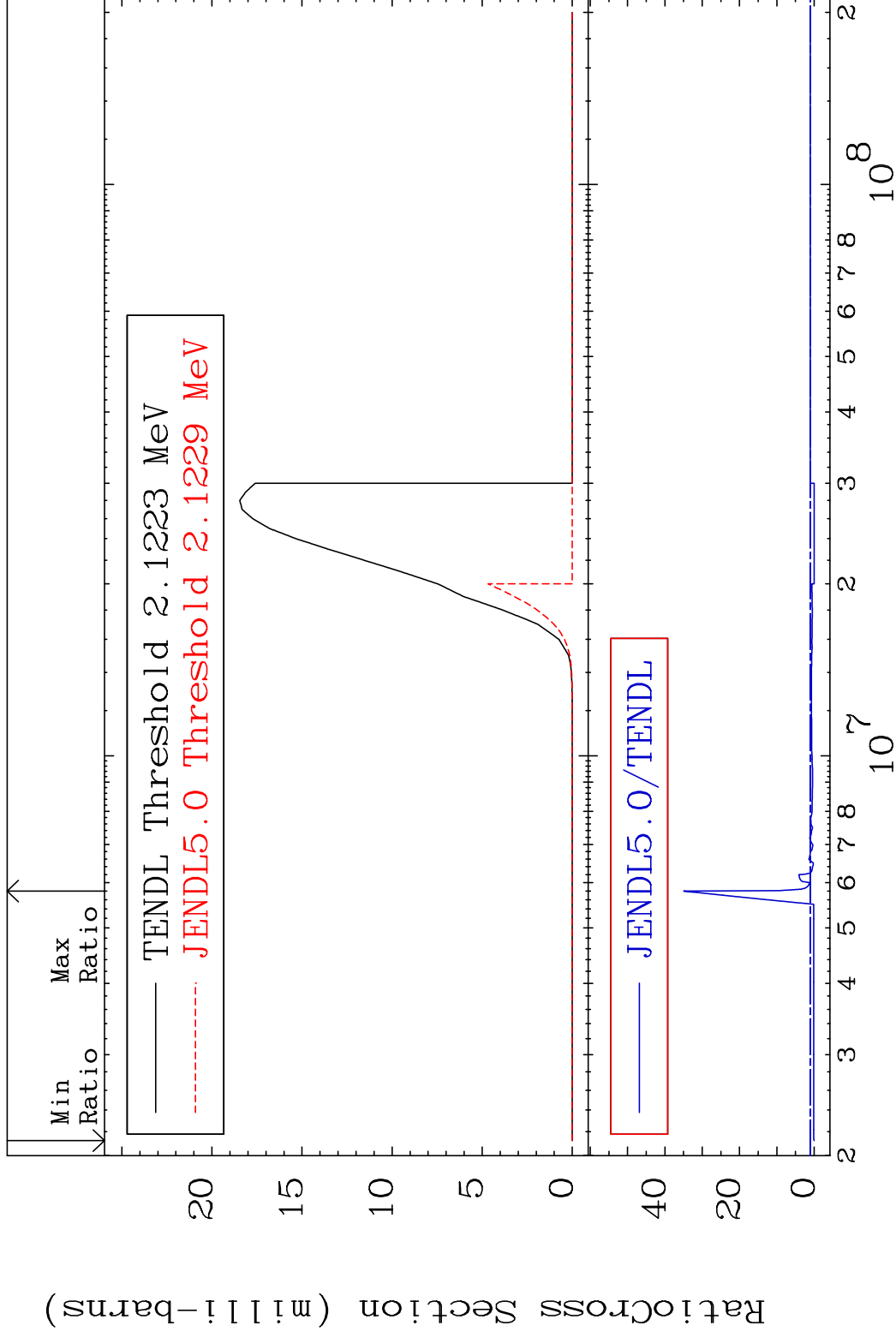
52-Te-125m

MAT 5241

(n, n') α

52-Te-125m

Cross Section -100.0 To 3397. %



7

Incident Energy (eV)

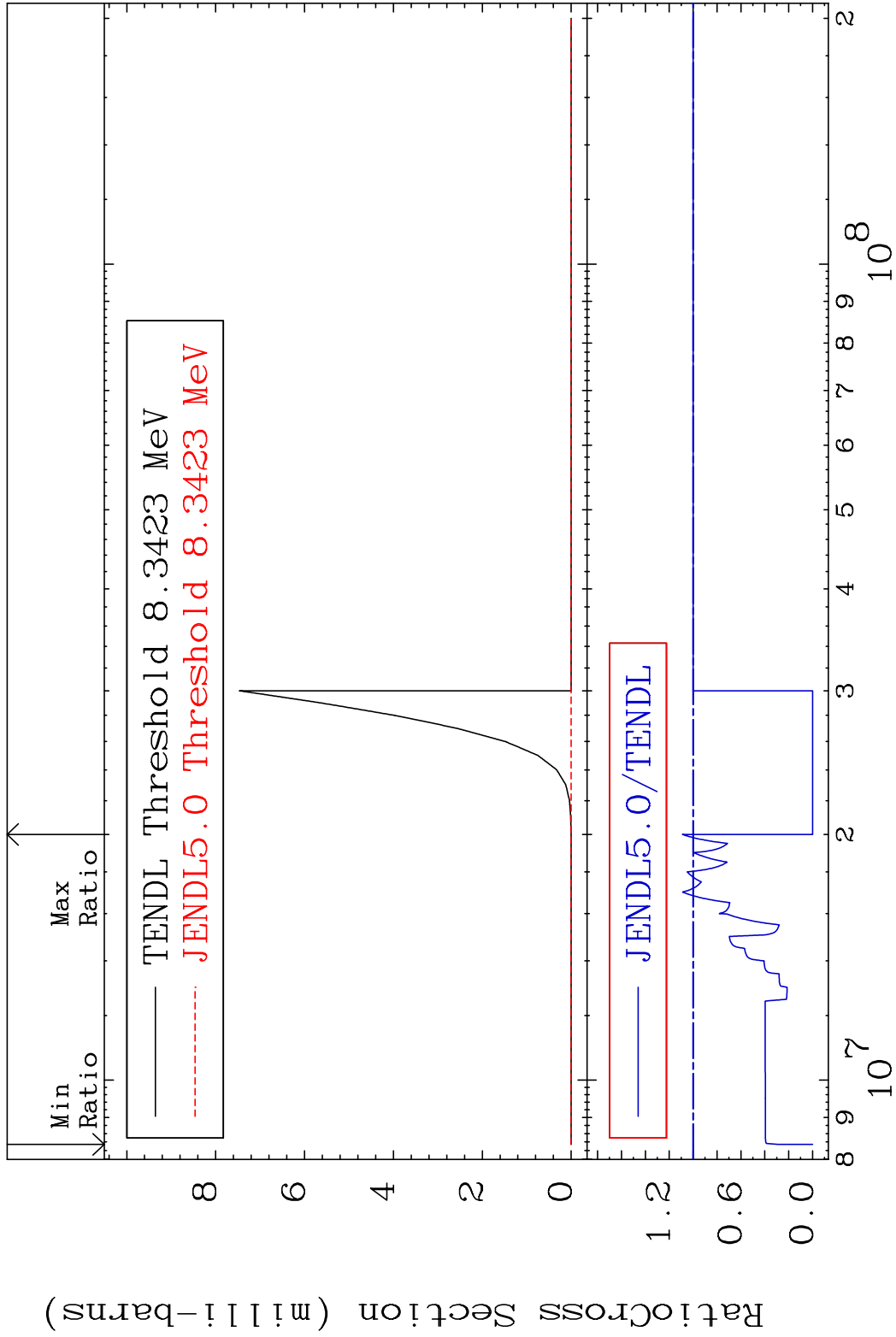
52-Te-125m

MAT 5241

(n,2n) α

52-Te-125m

Cross Section -100.0 To 9.018 %



8

Incident Energy (eV)

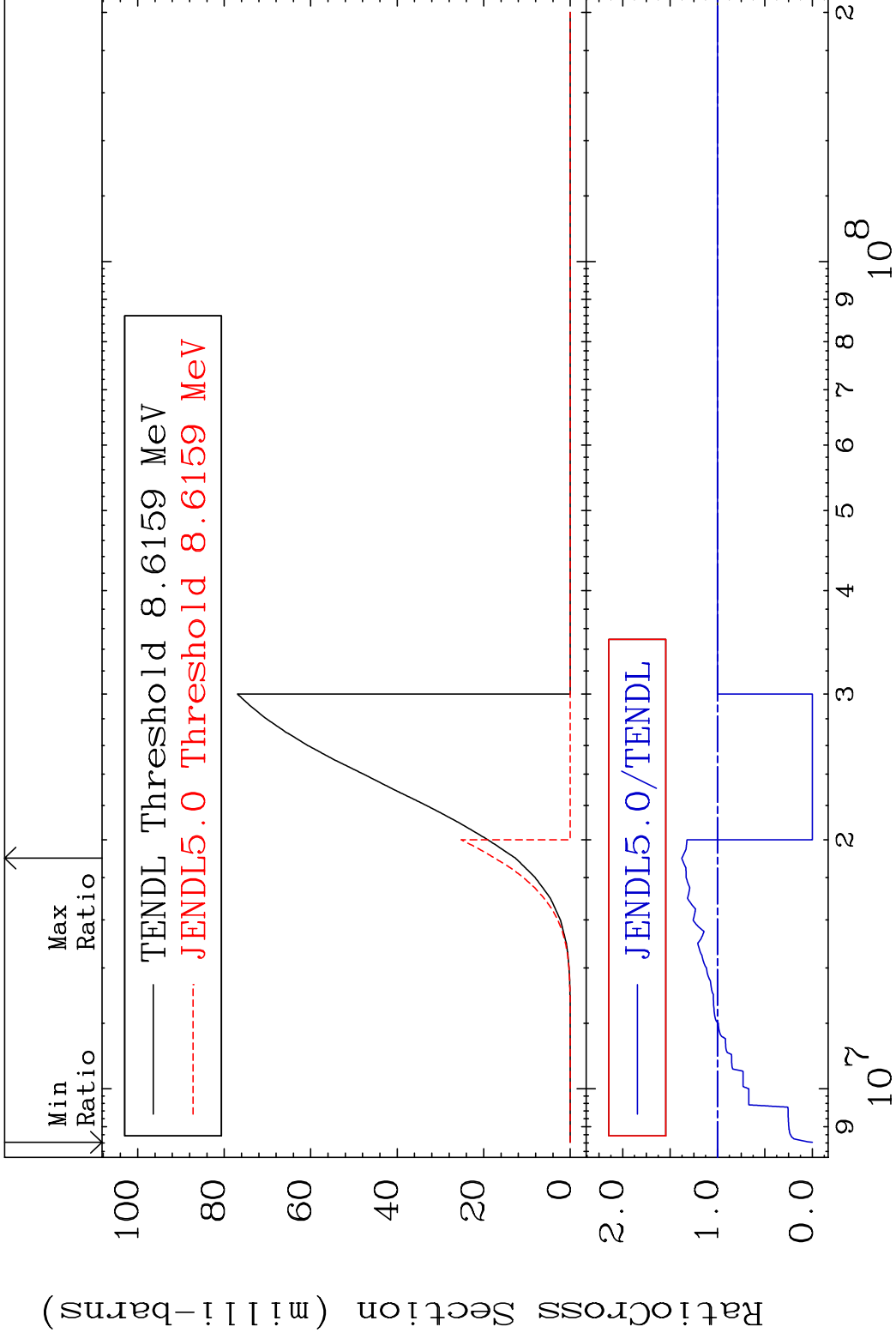
52-Te-125m

MAT 5241

(n, n') p

52-Te-125m

Cross Section -100.0 To 37.71 %



9

Incident Energy (eV)

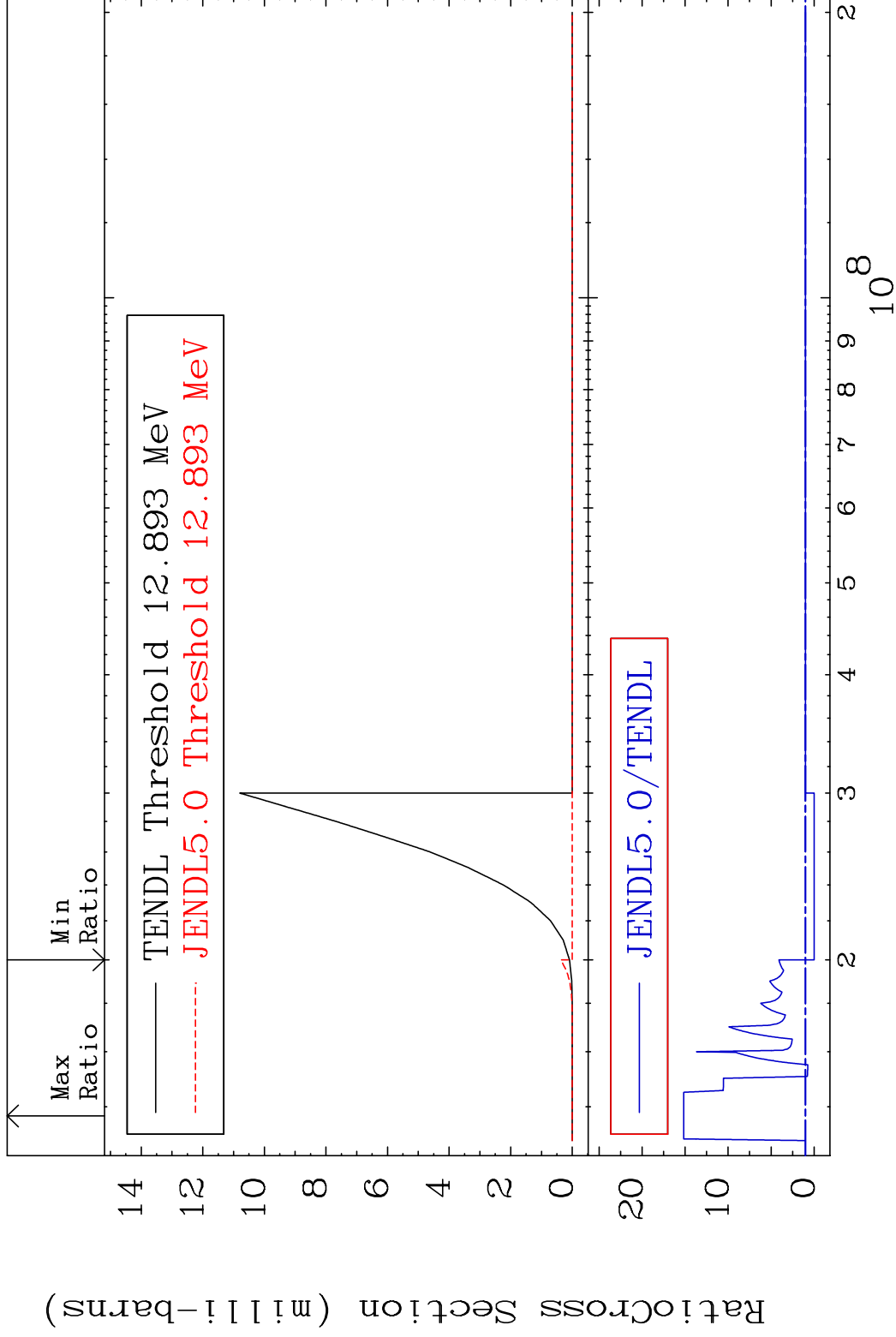
52-Te-125m

MAT 5241

(n, n') d

52-Te-125m

Cross Section -100.0 To 1417. %

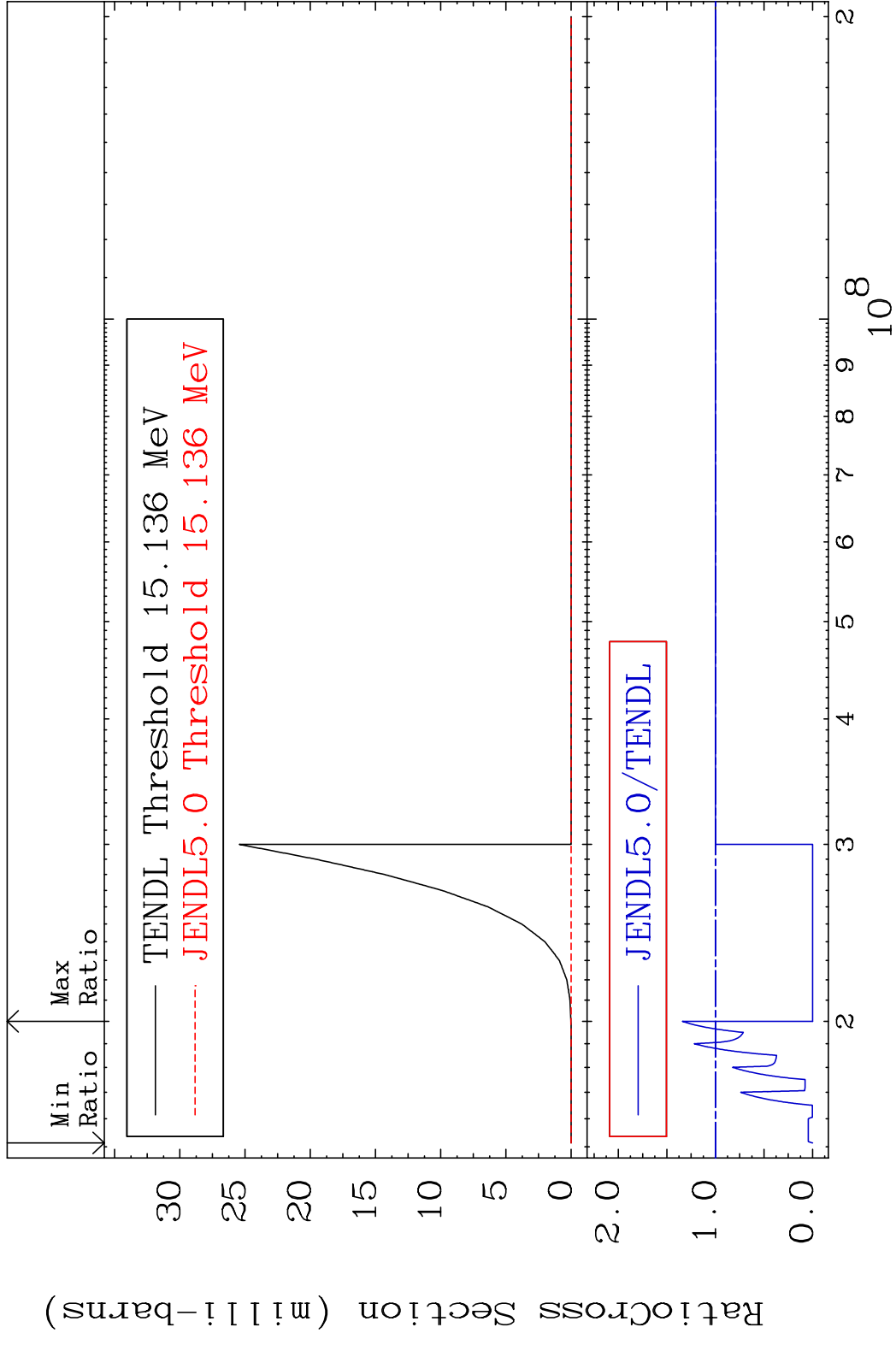


10

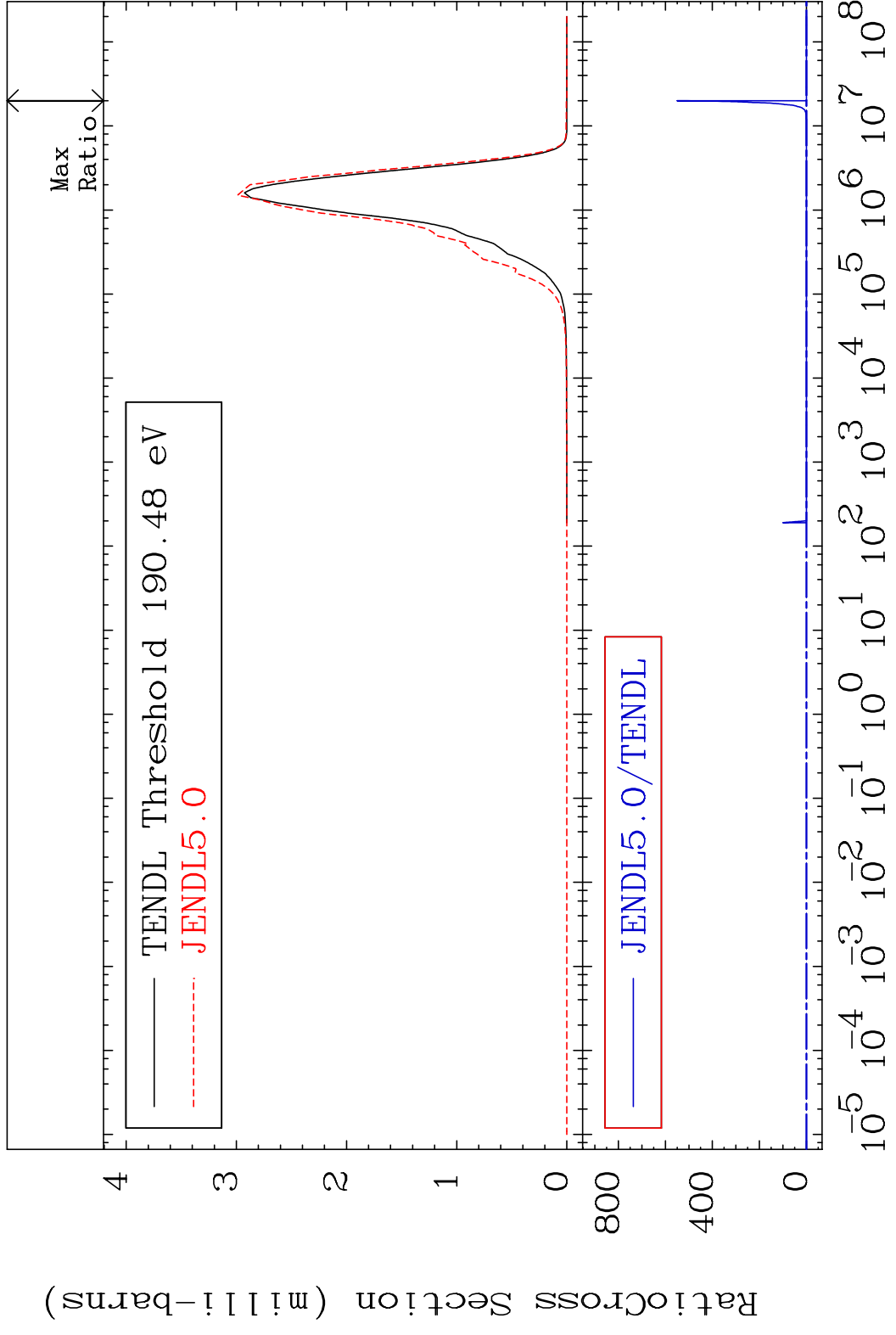
Incident Energy (eV)

52-Te-125m

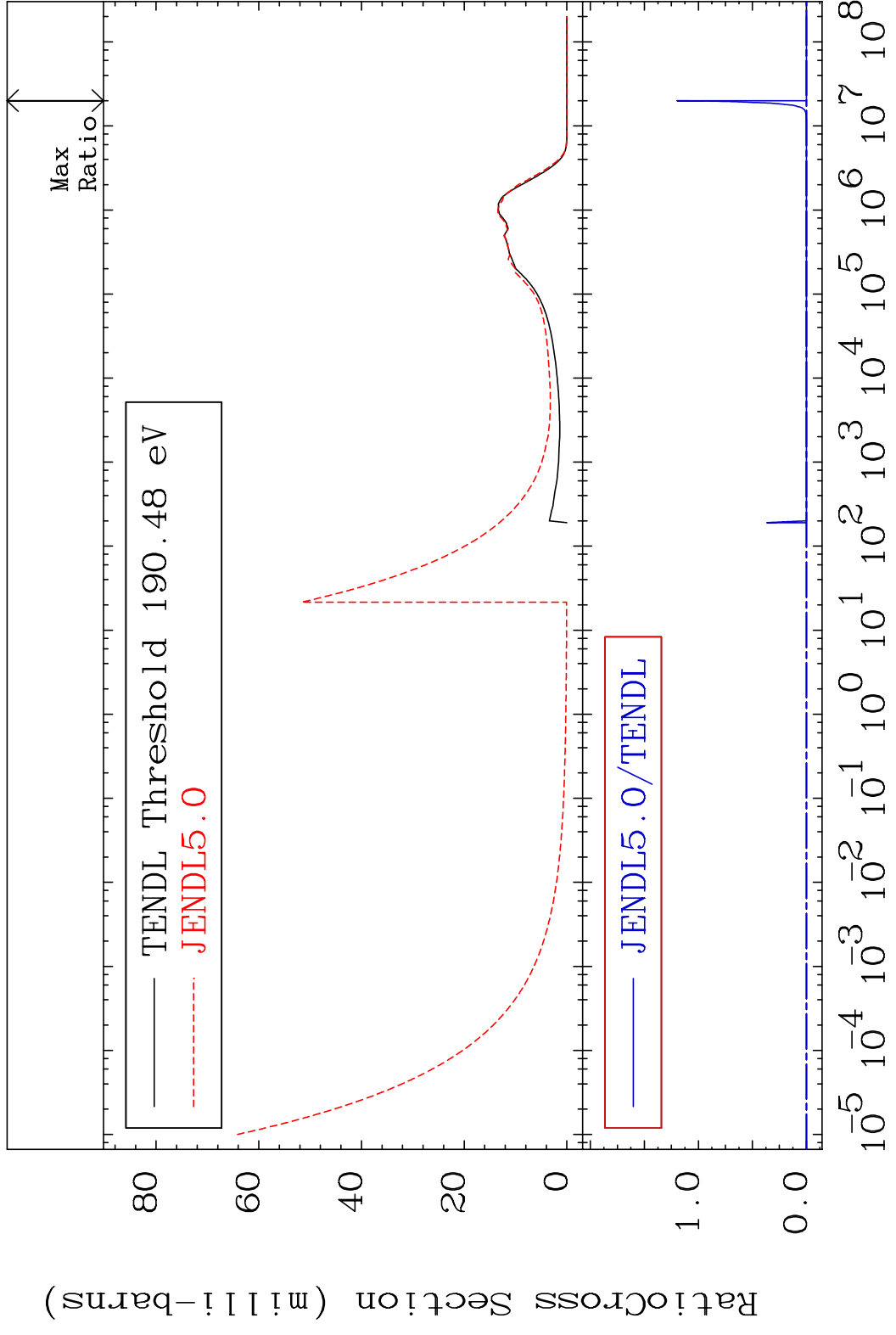
MAT 5241 (n,2n) p 52-Te-125m
 Cross Section -100.0 To 34.07 %



MAT 5241 MT= 51 (n,n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

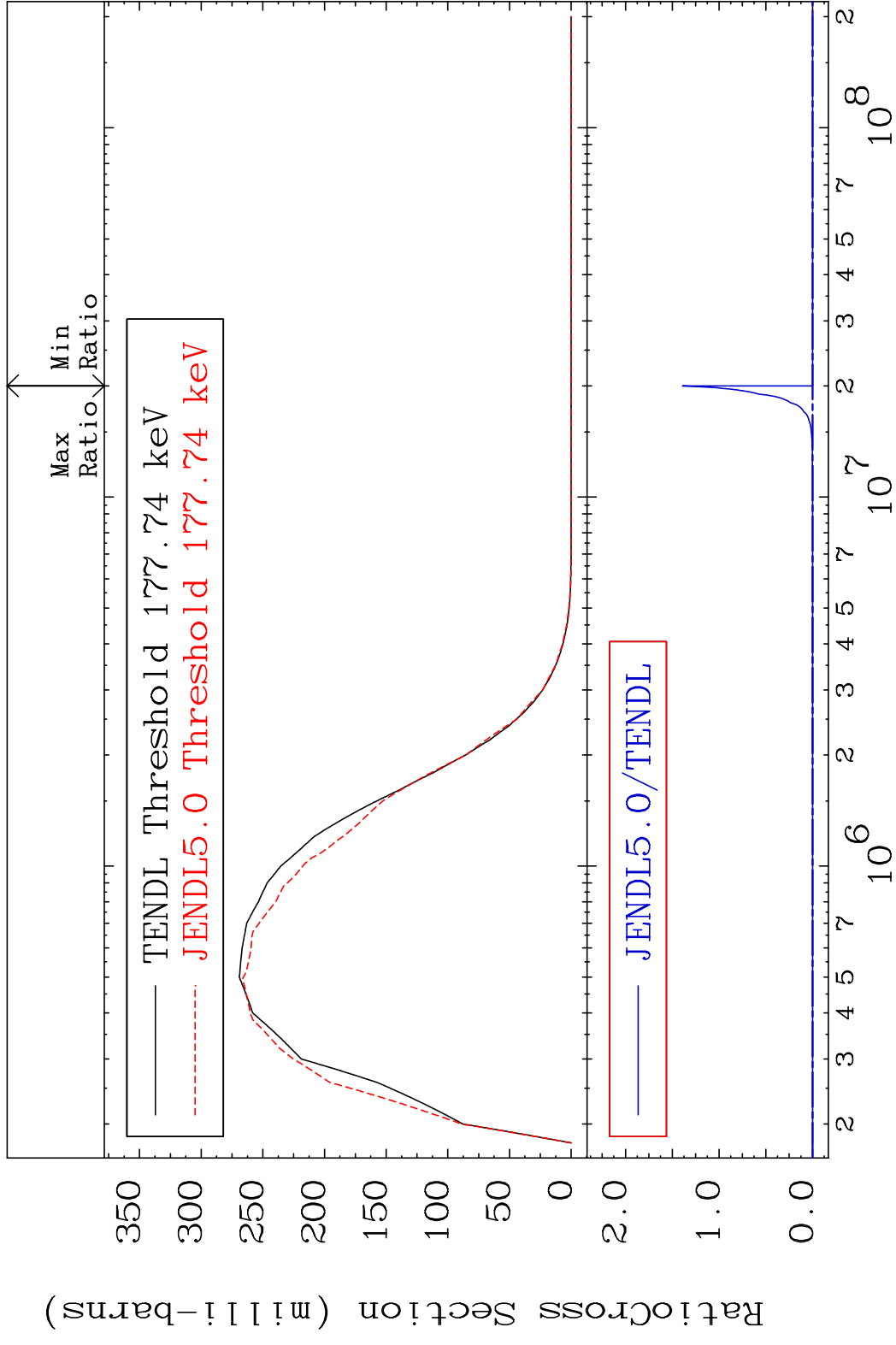


MAT 5241 MT= 52 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

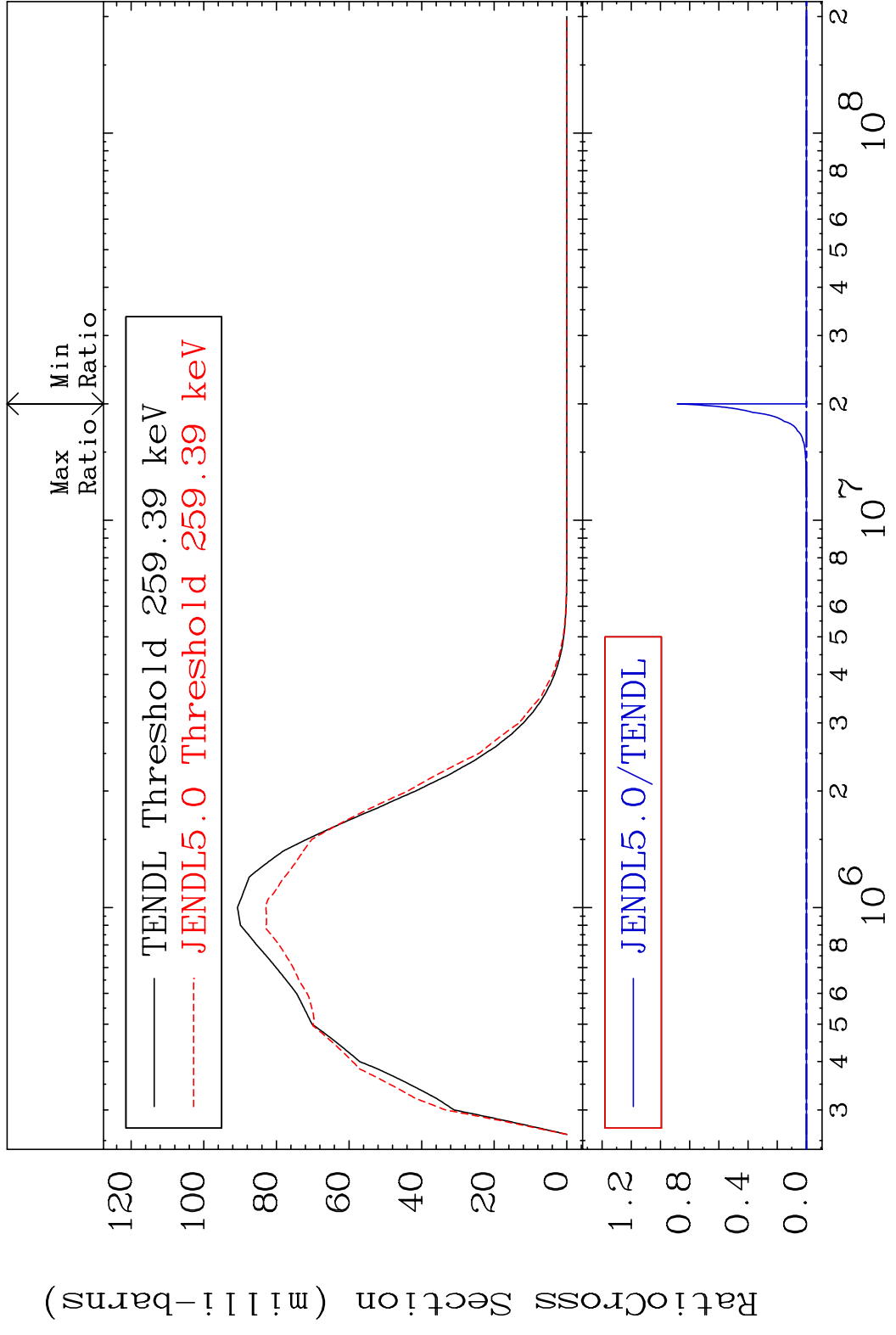


13 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 53 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

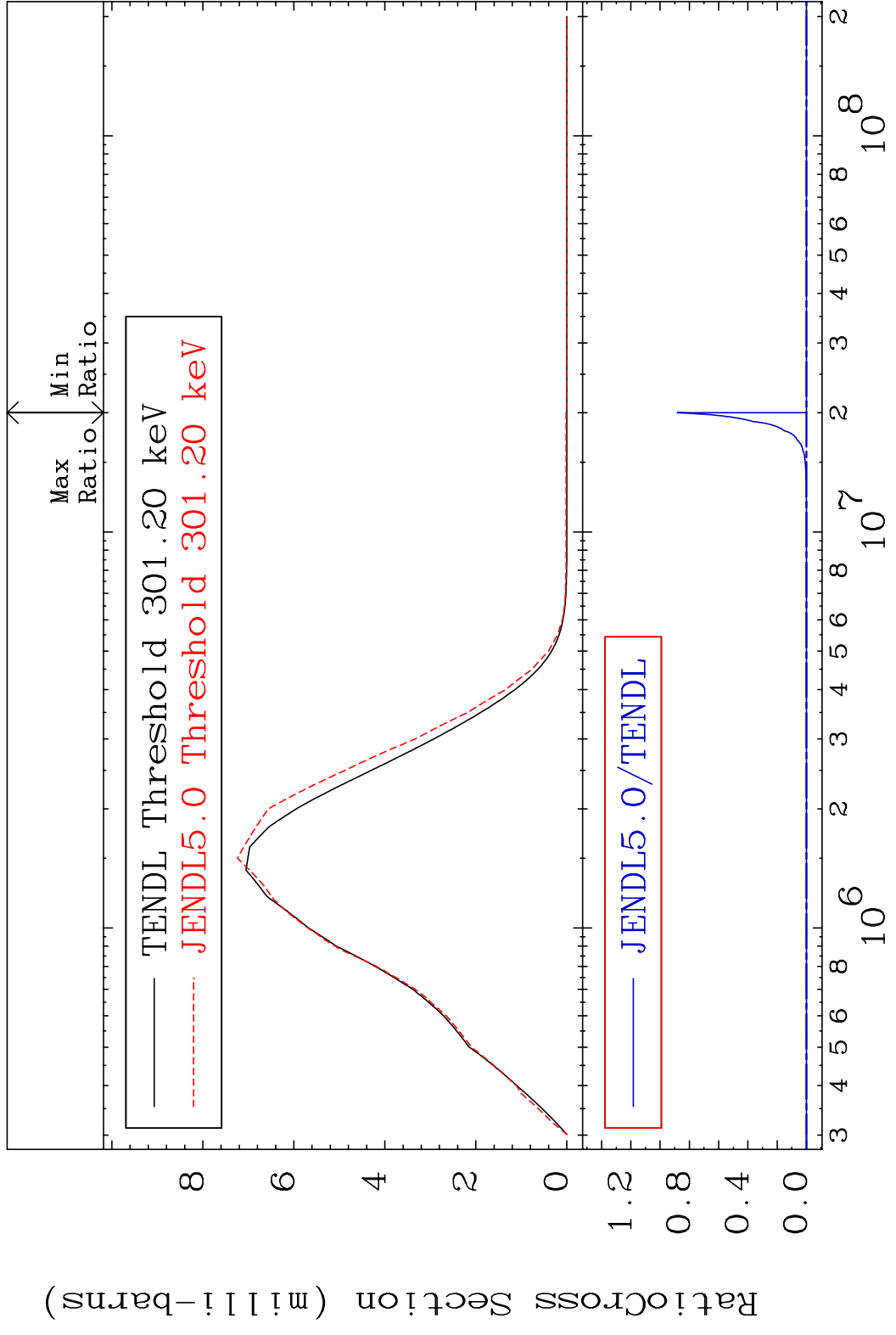


MAT 5241 MT= 54 (n,n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

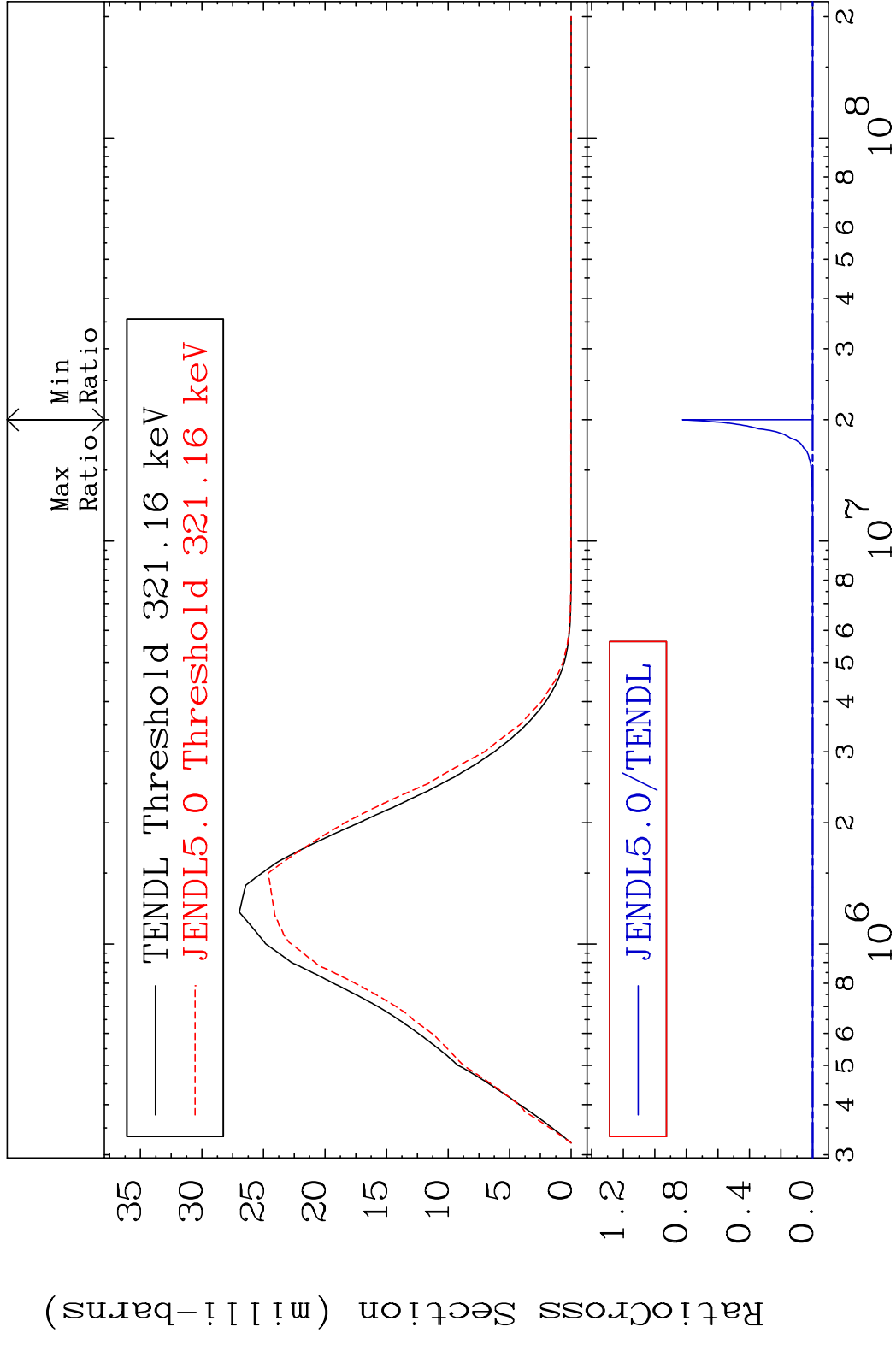


15 Incident Energy (eV) 52-Te-125m

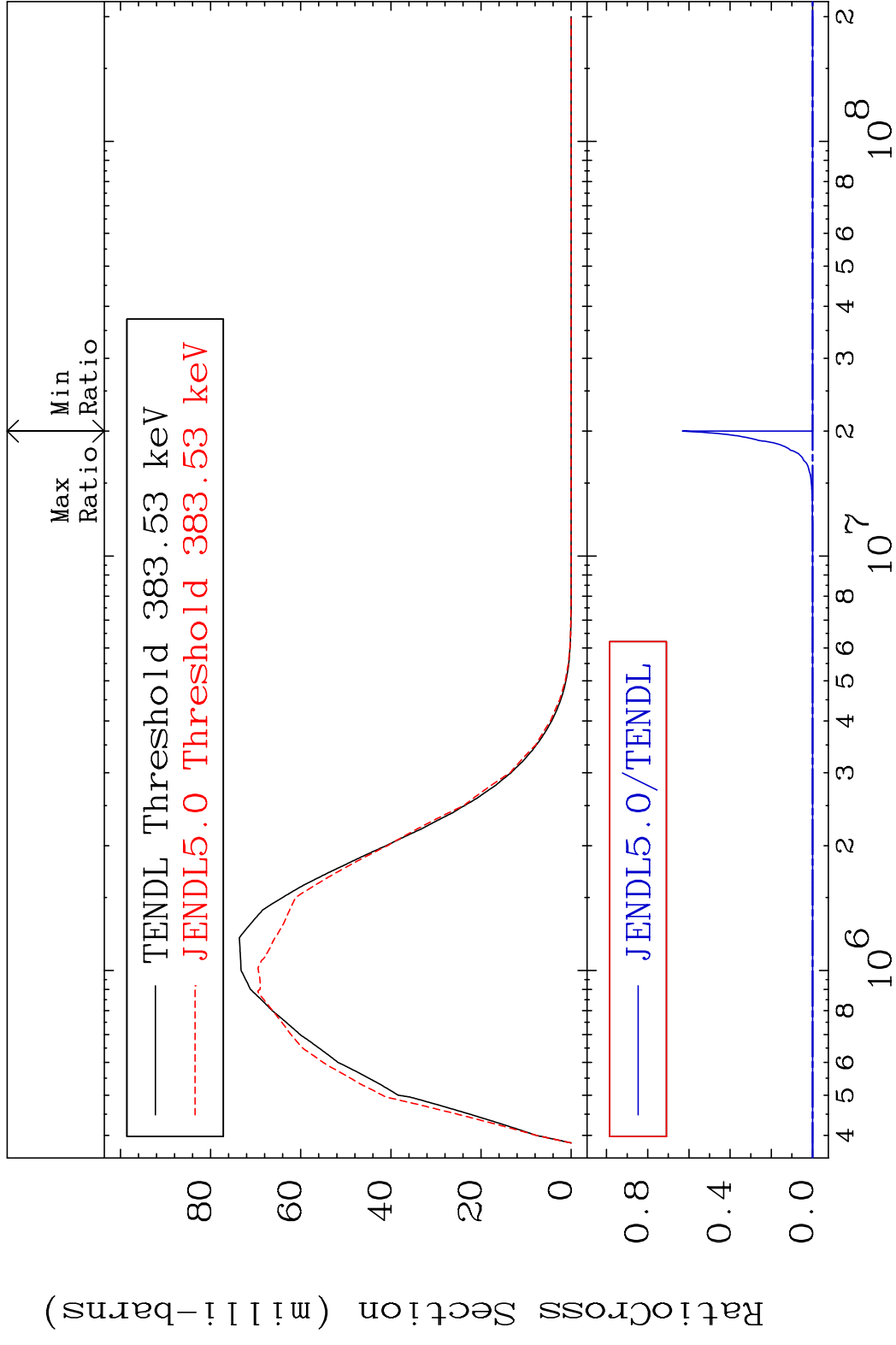
MAT 5241 MT= 55 (n,n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



MAT 5241 MT= 56 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

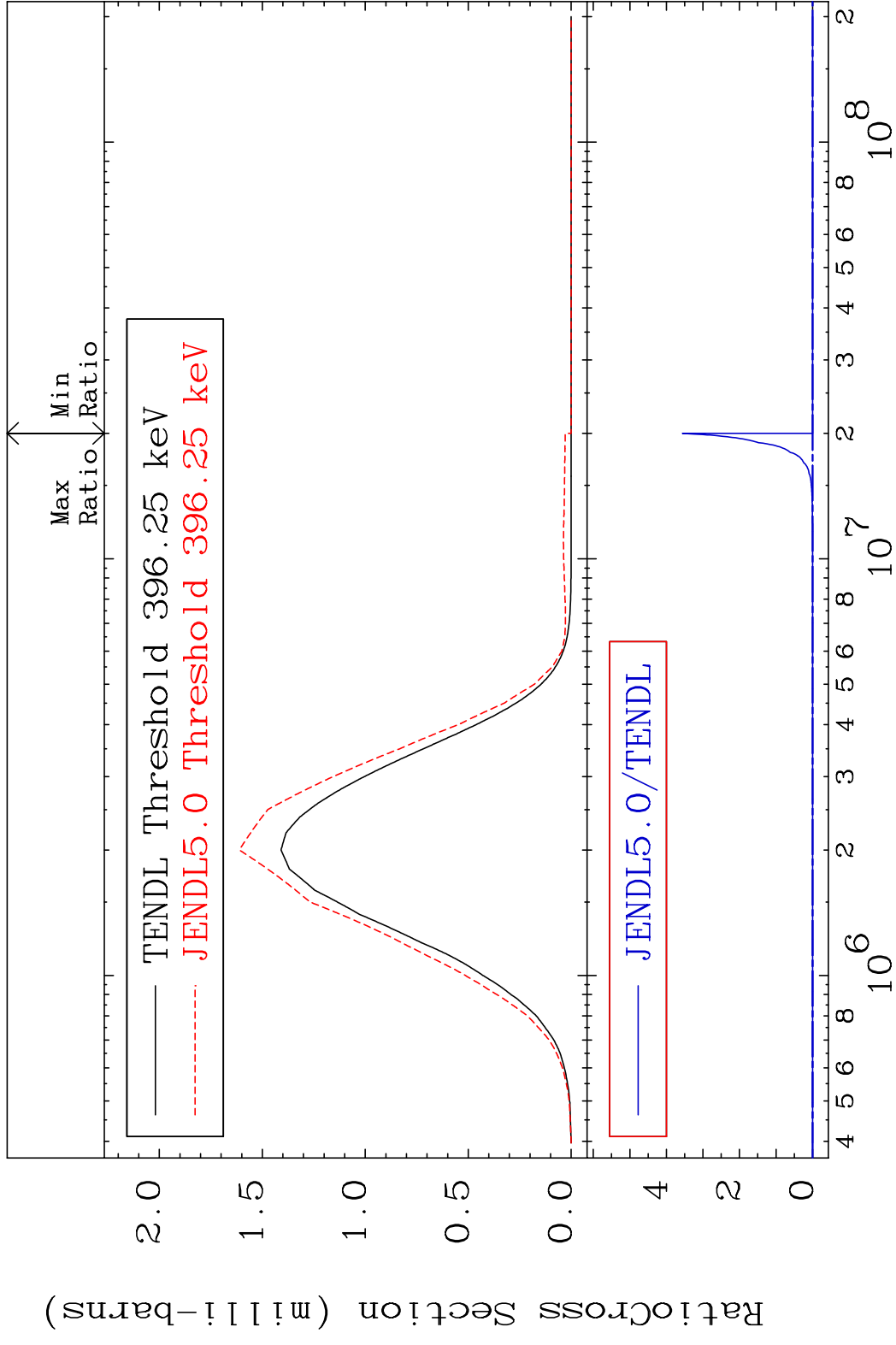


MAT 5241 MT= 57 (n,n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

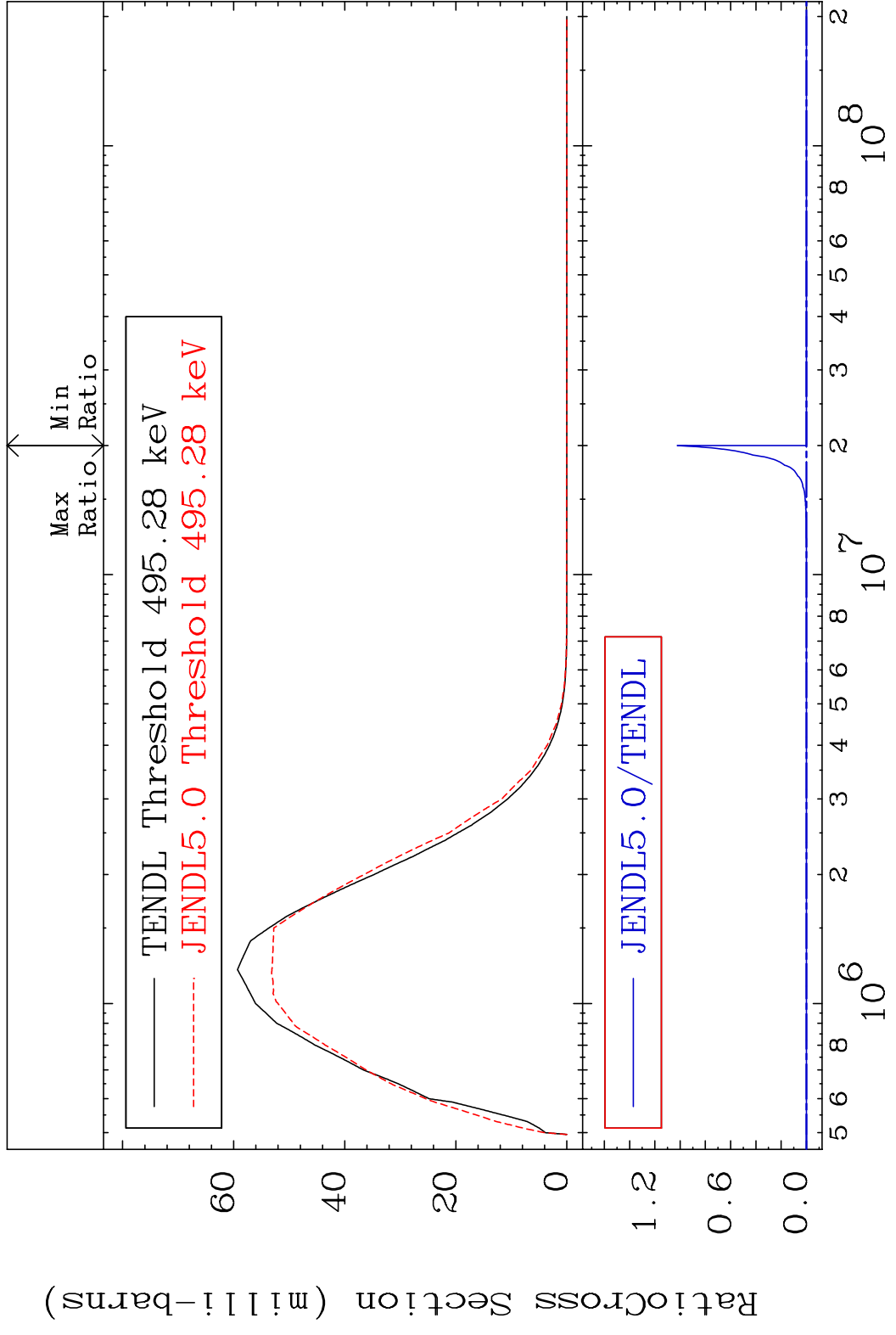


18 Incident Energy (eV) 52-Te-125m

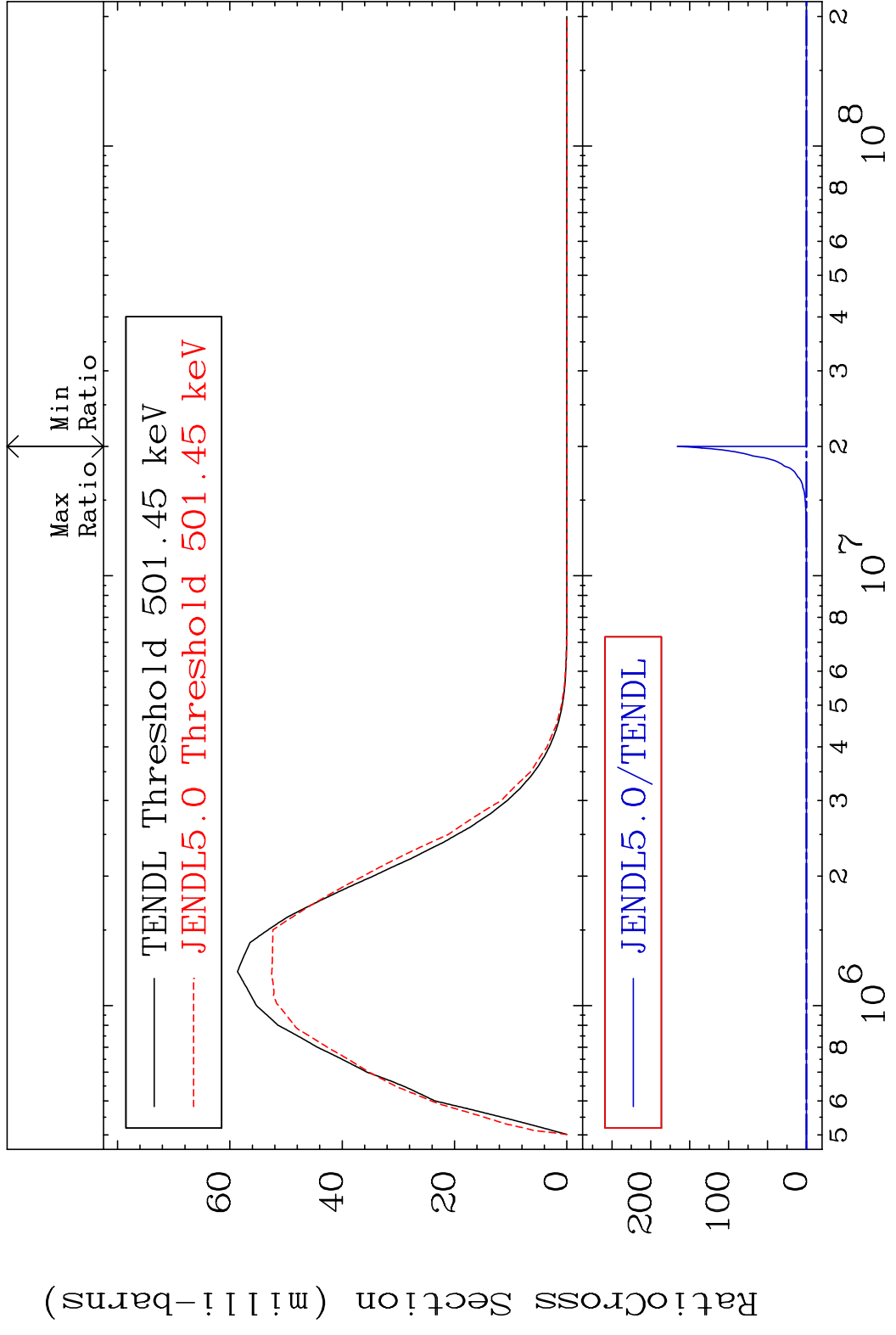
MAT 5241 MT= 58 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



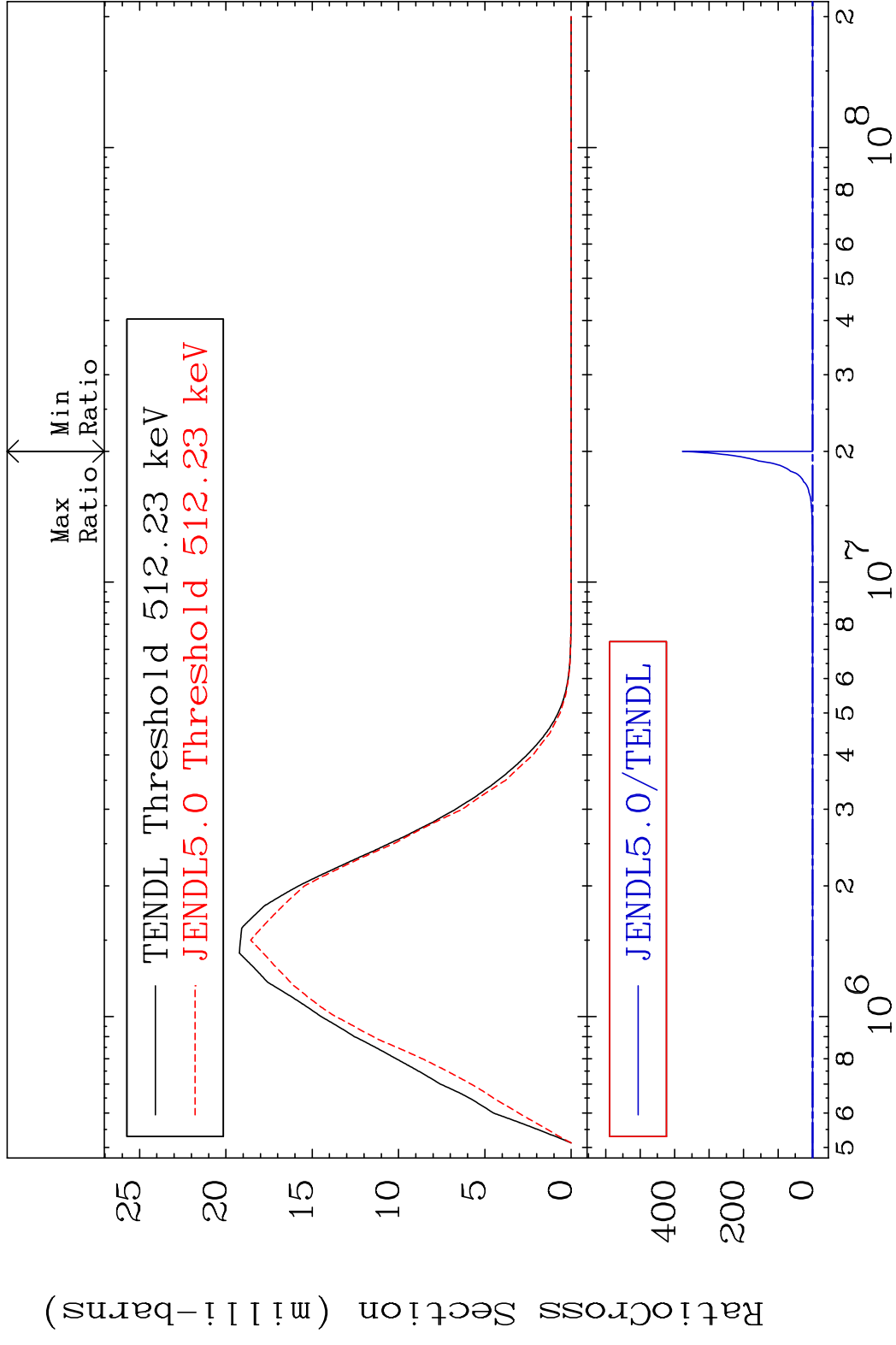
MAT 5241 MT= 59 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



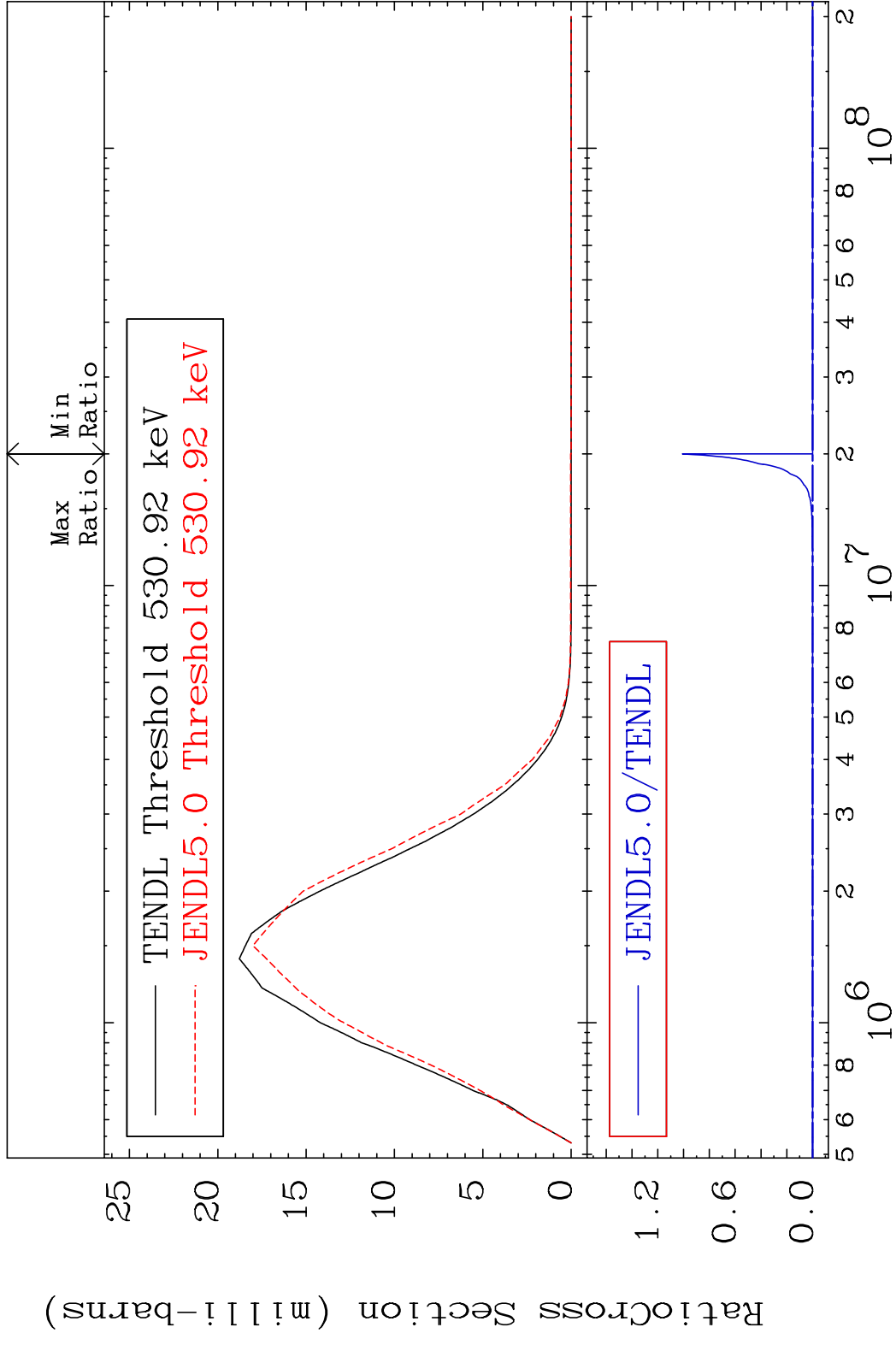
MAT 5241 MT= 60 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



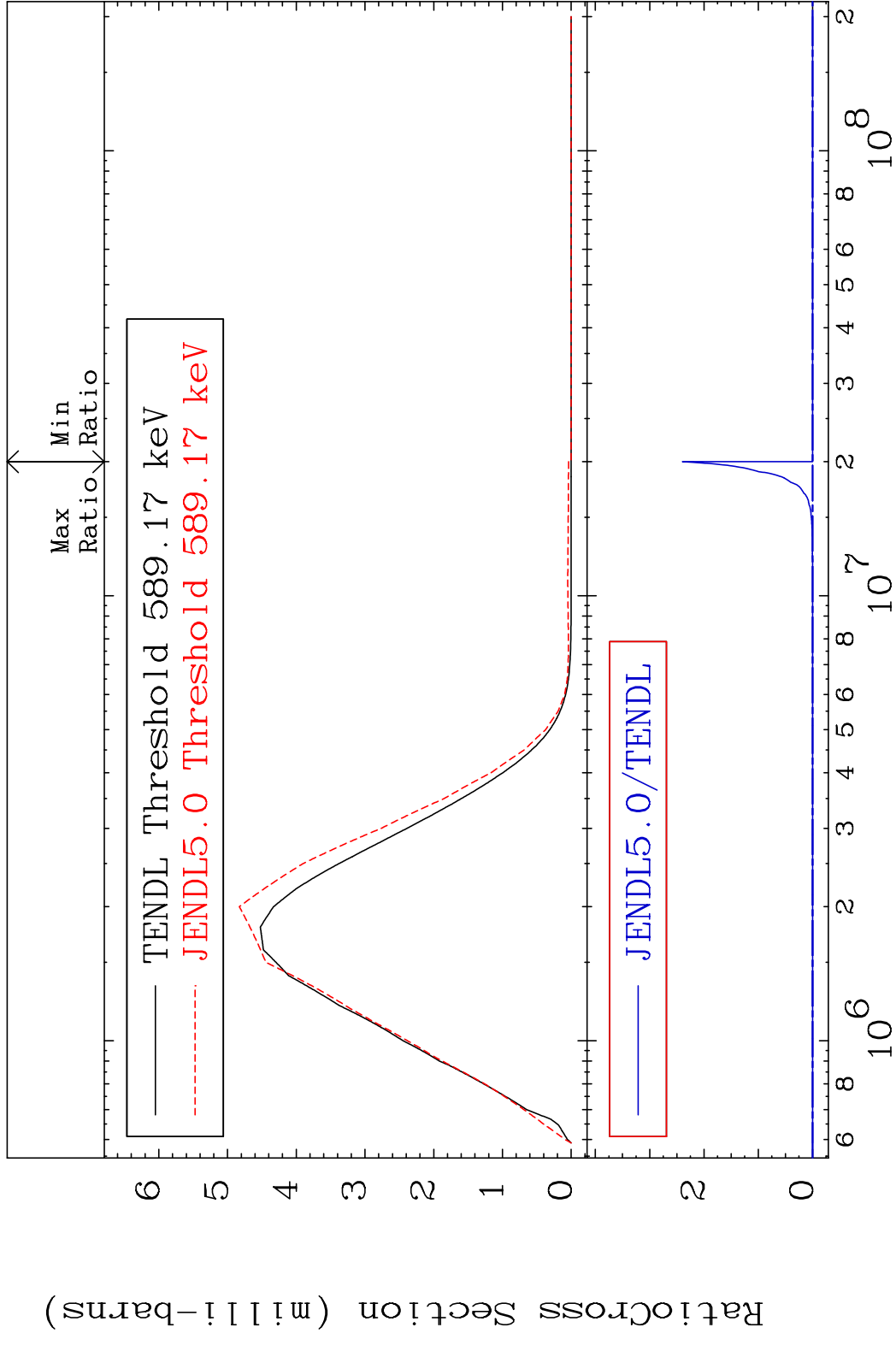
MAT 5241 MT= 61 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



MAT 5241 MT= 62 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

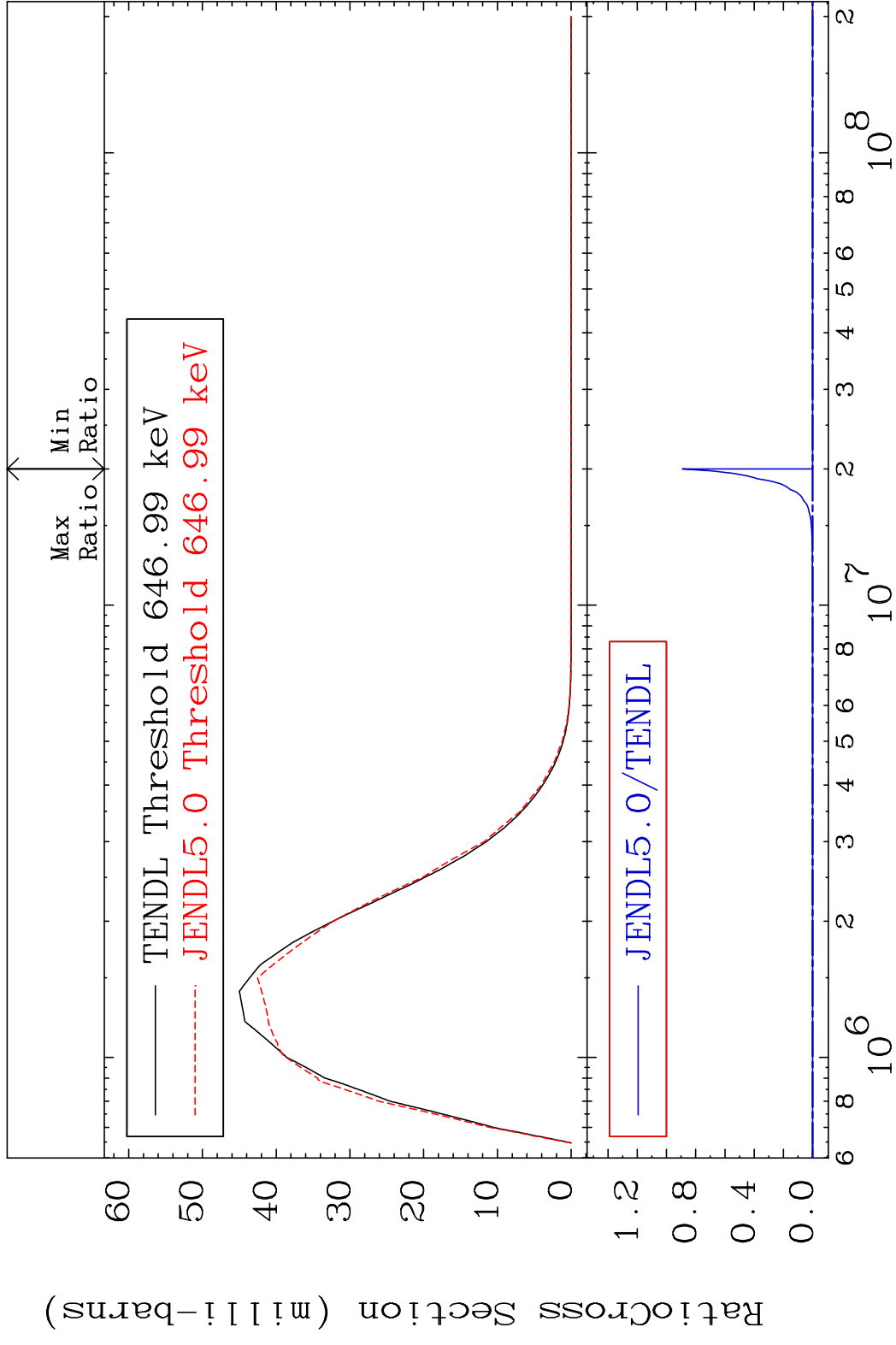


MAT 5241 MT= 63 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



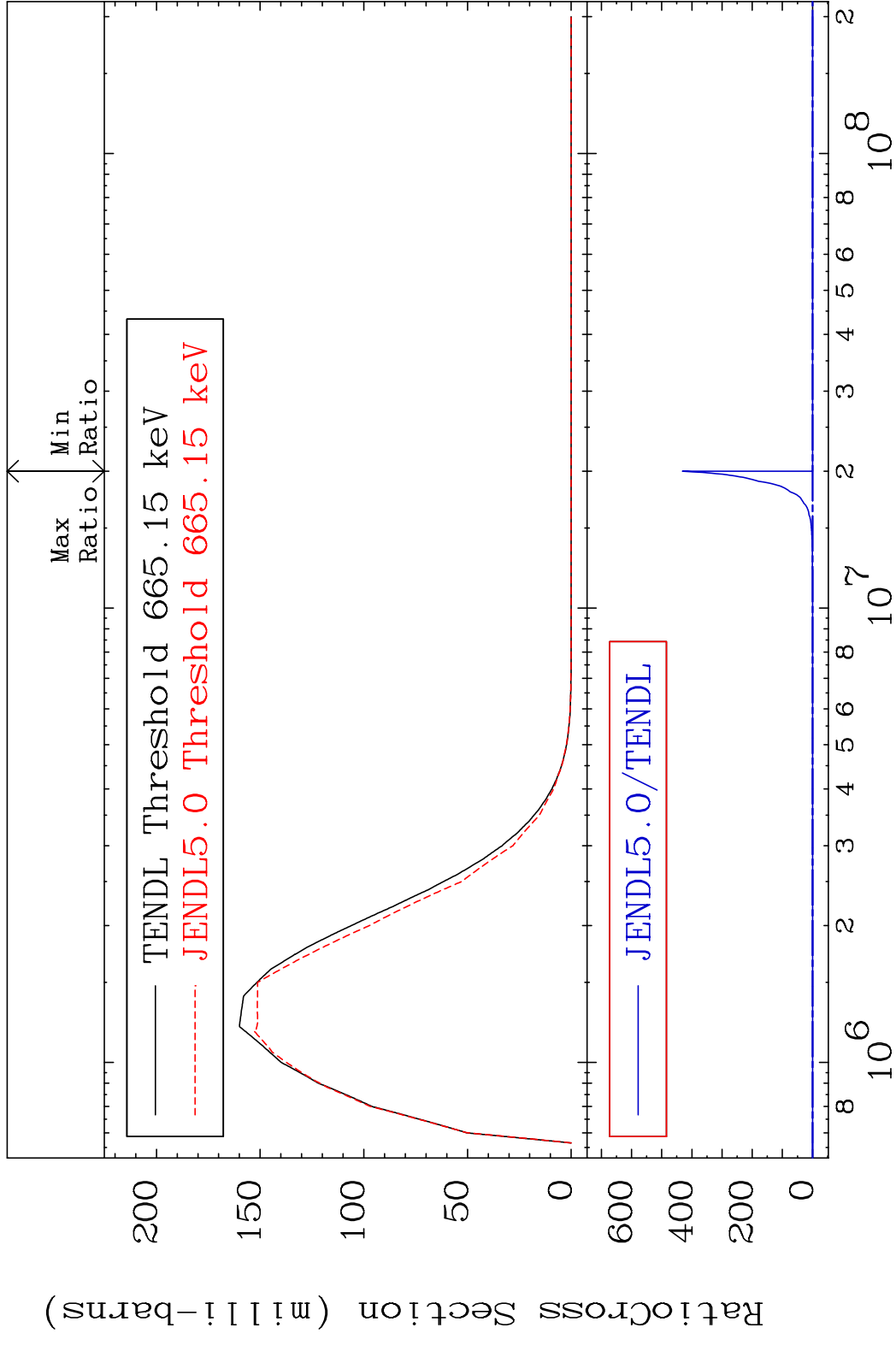
24 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 64 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

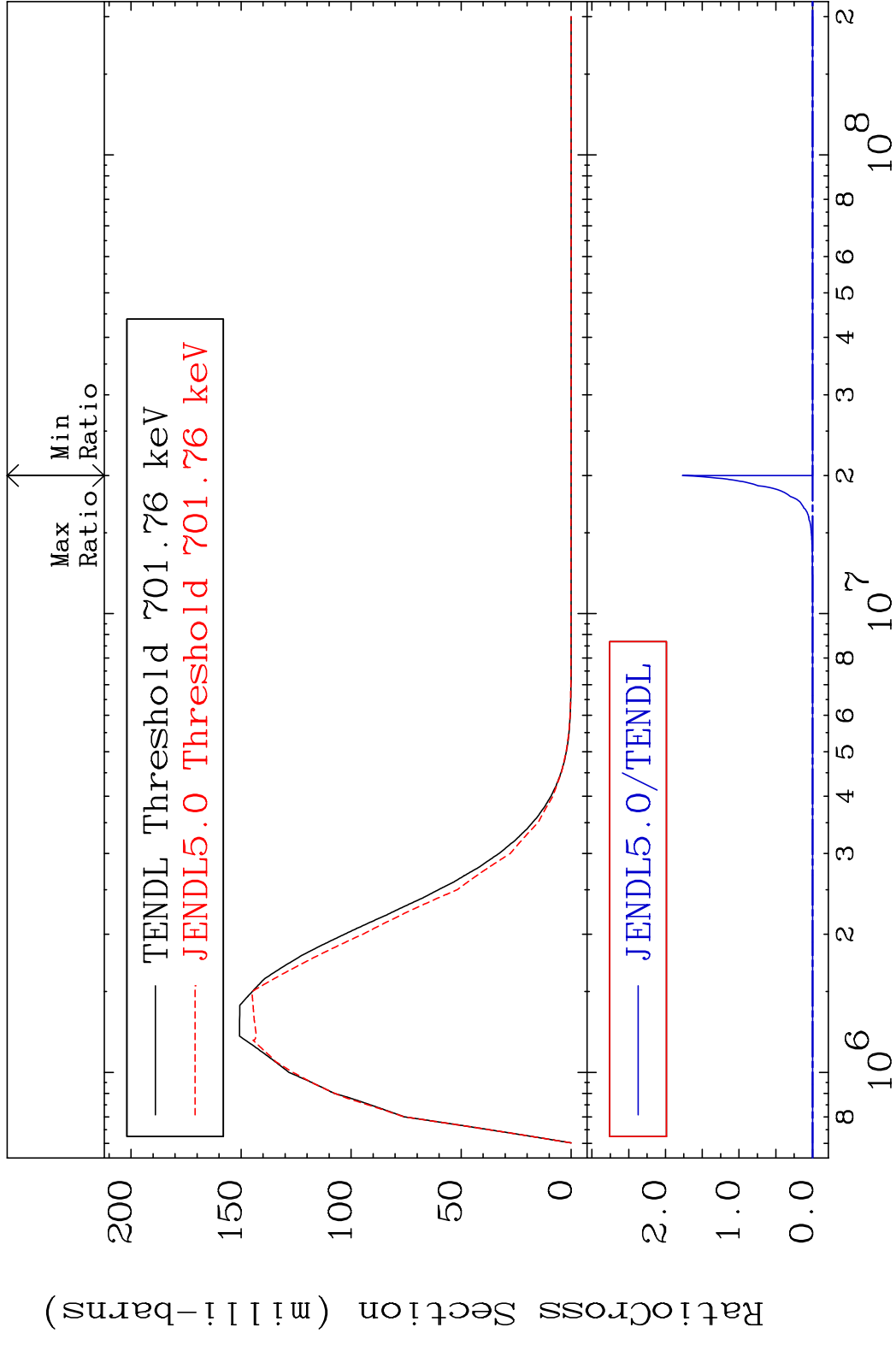


25 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 65 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

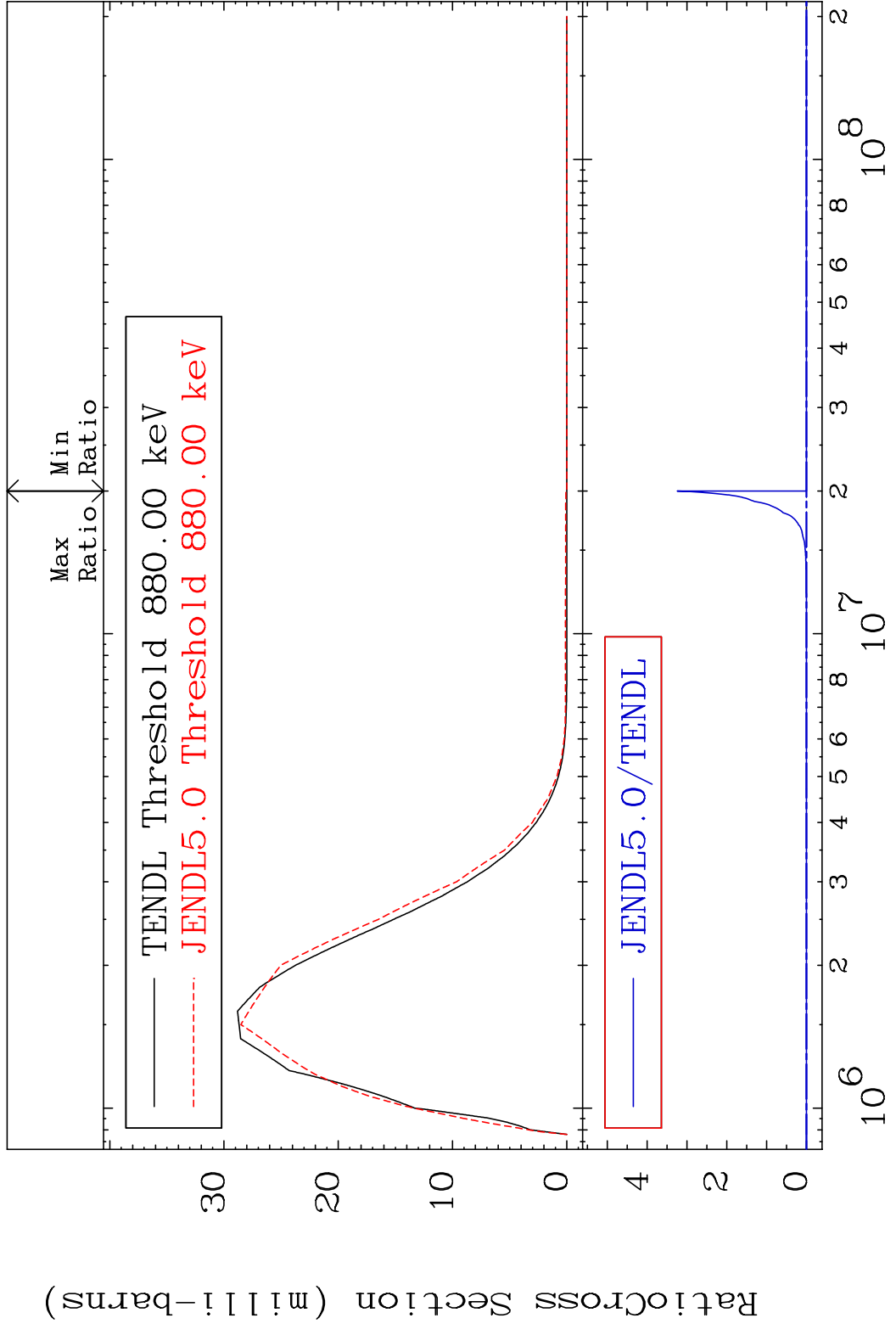


MAT 5241 MT= 66 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



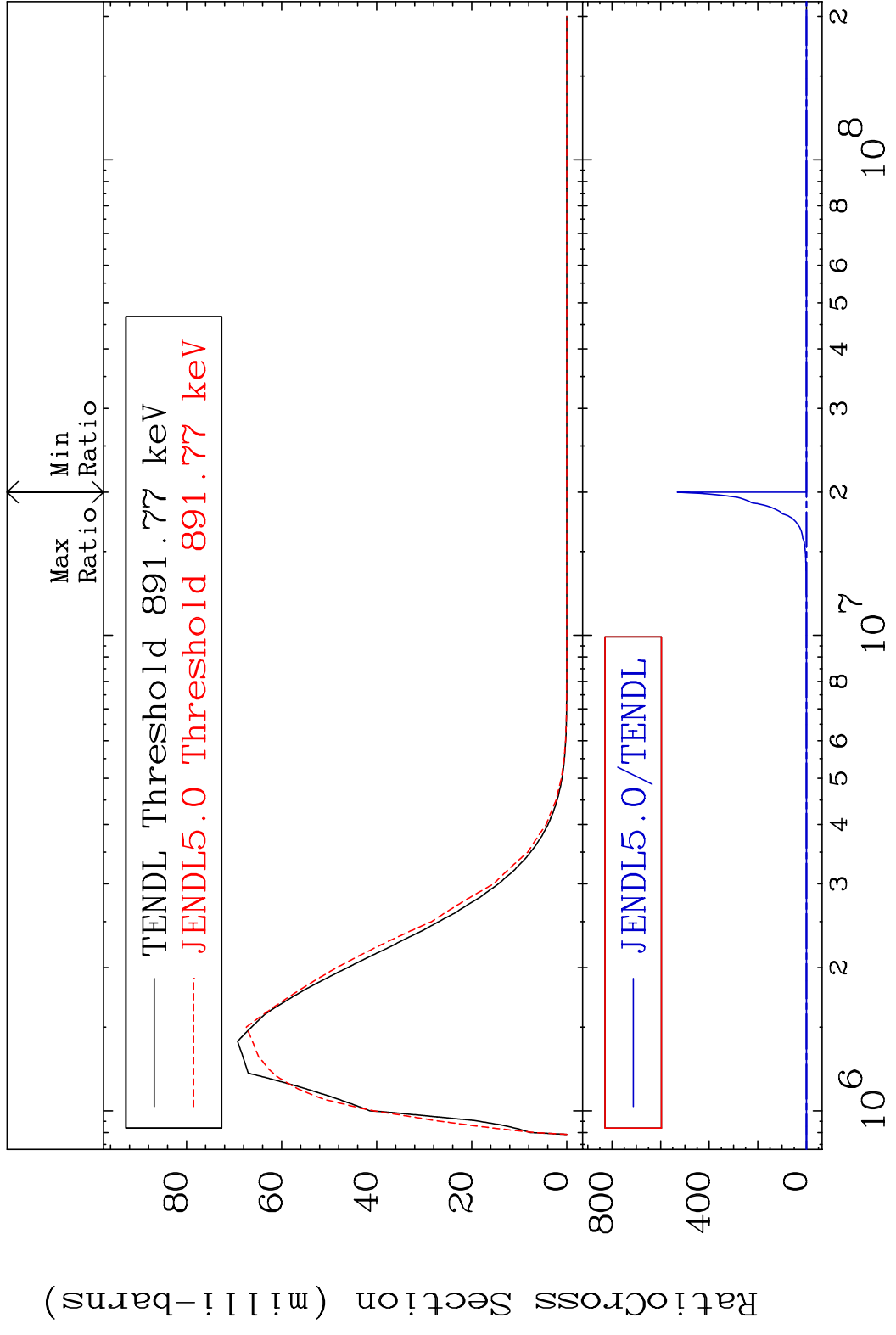
27 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 67 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



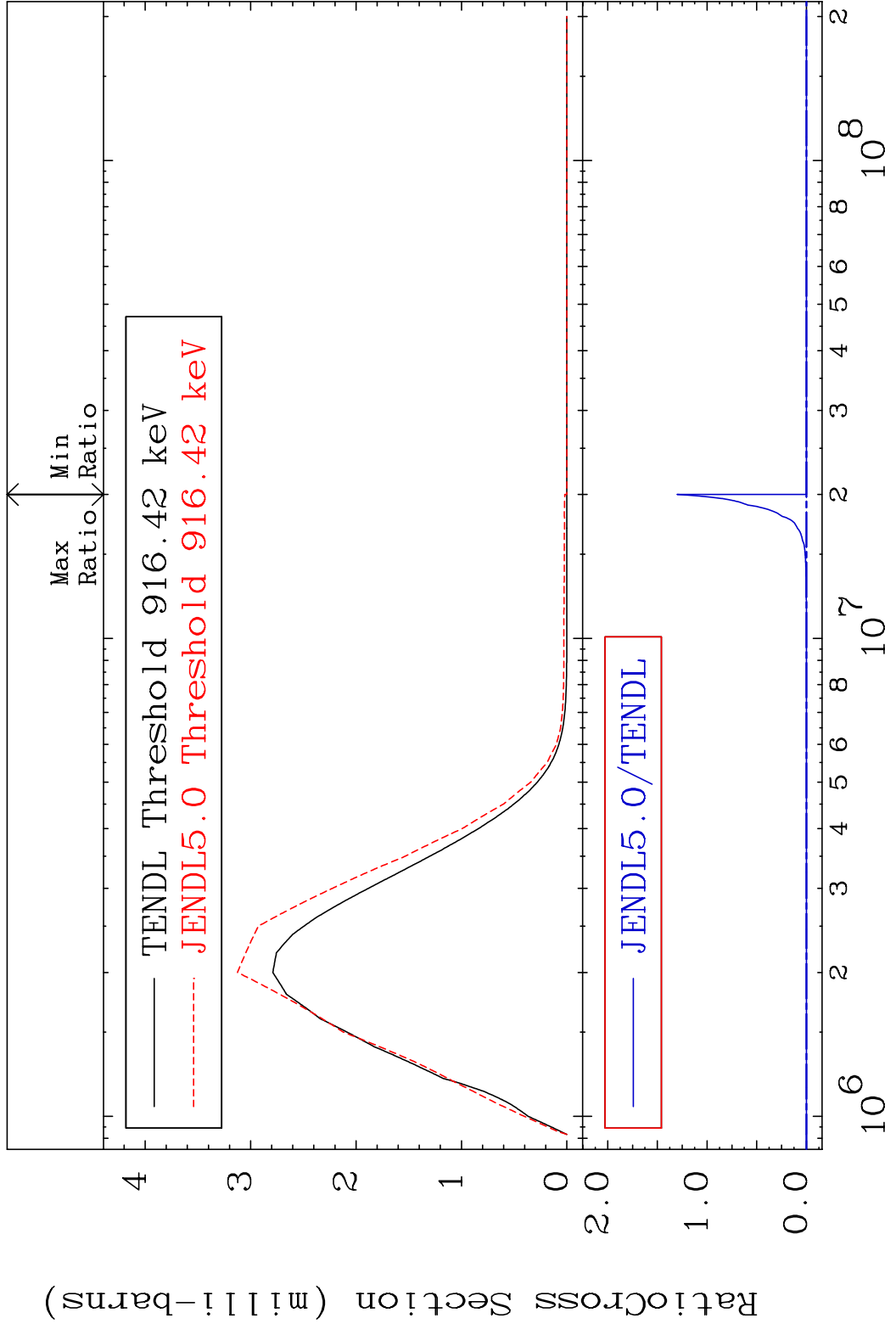
28 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 68 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



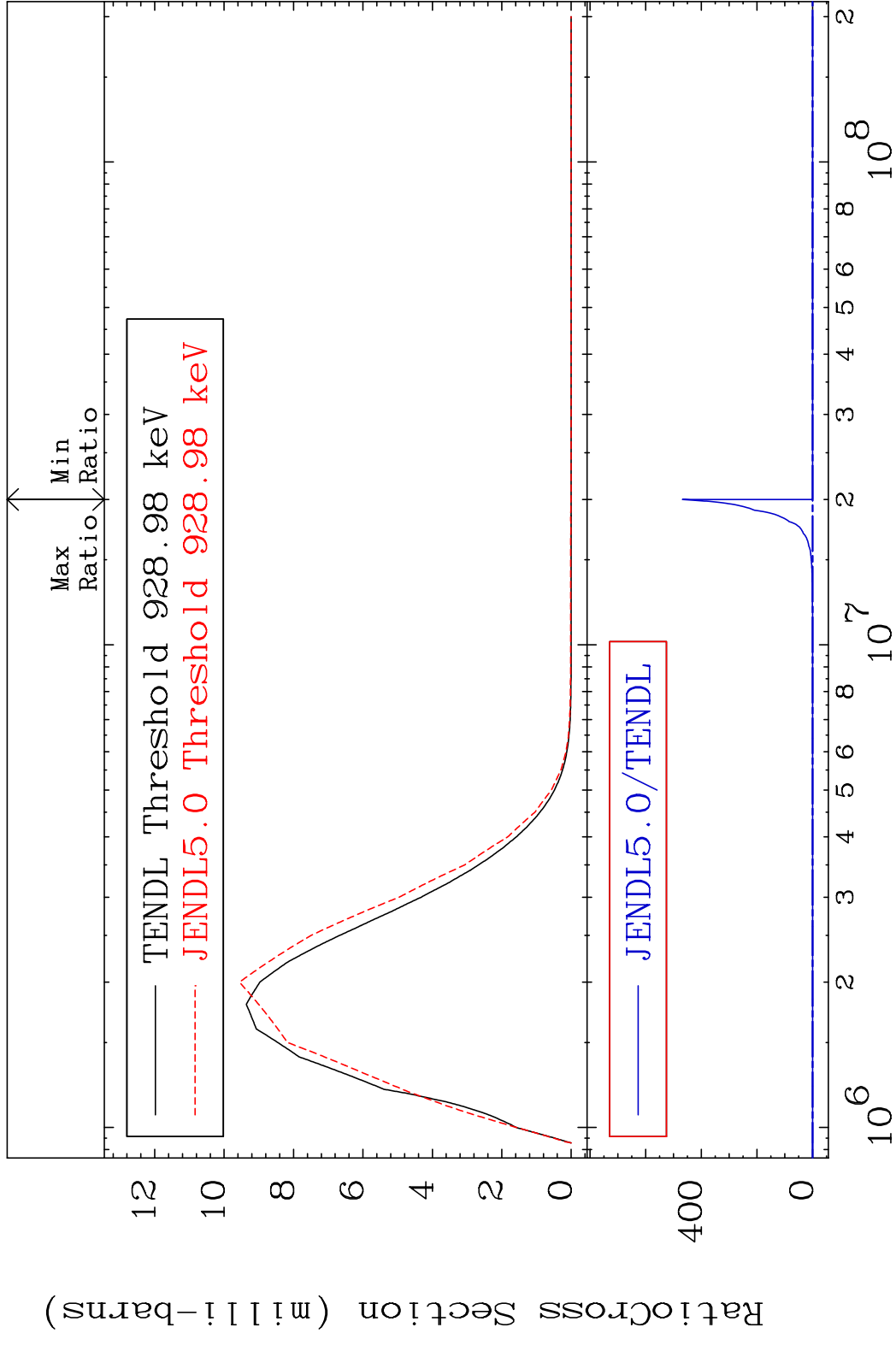
29 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 69 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



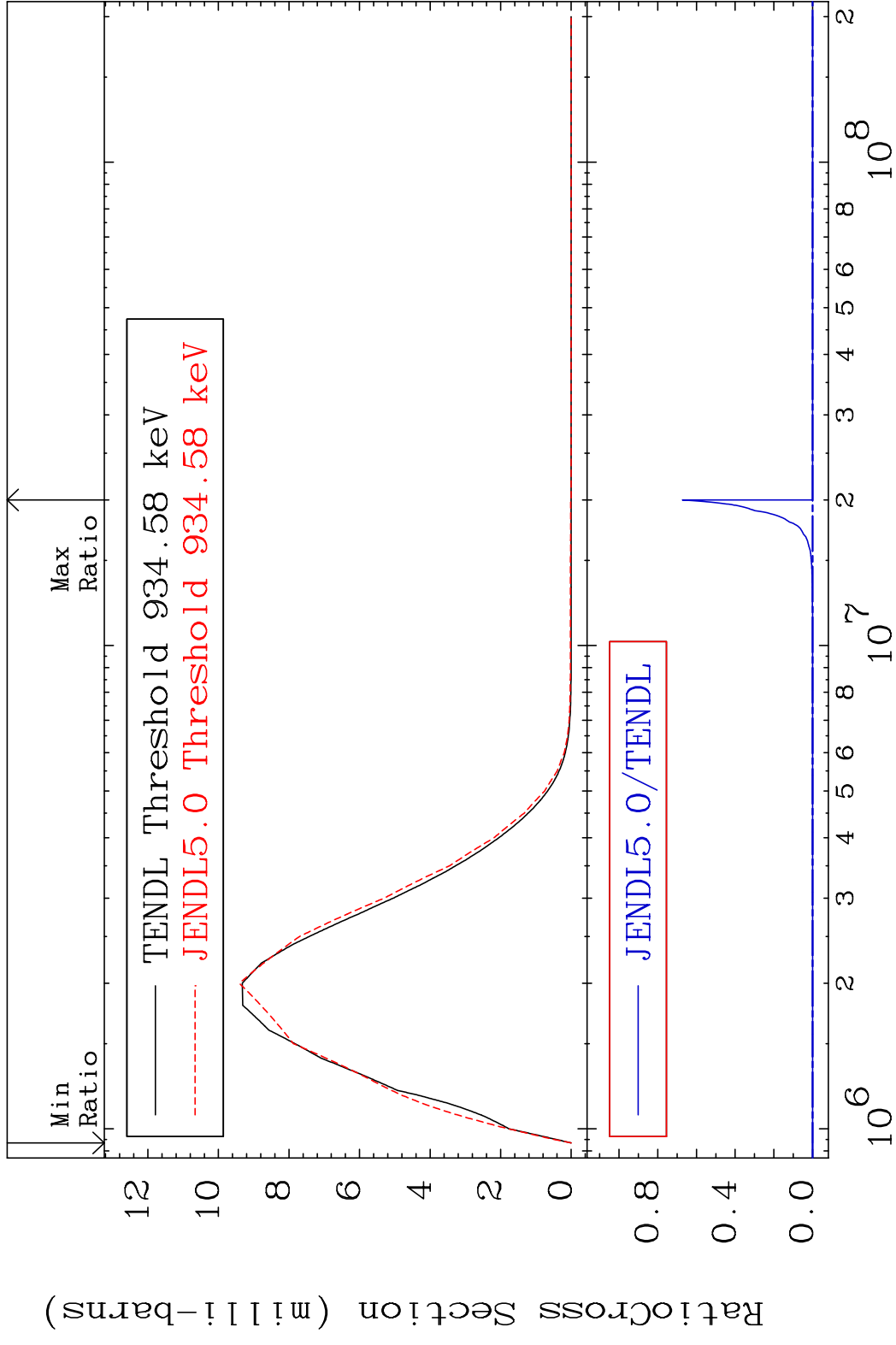
30 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 70 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



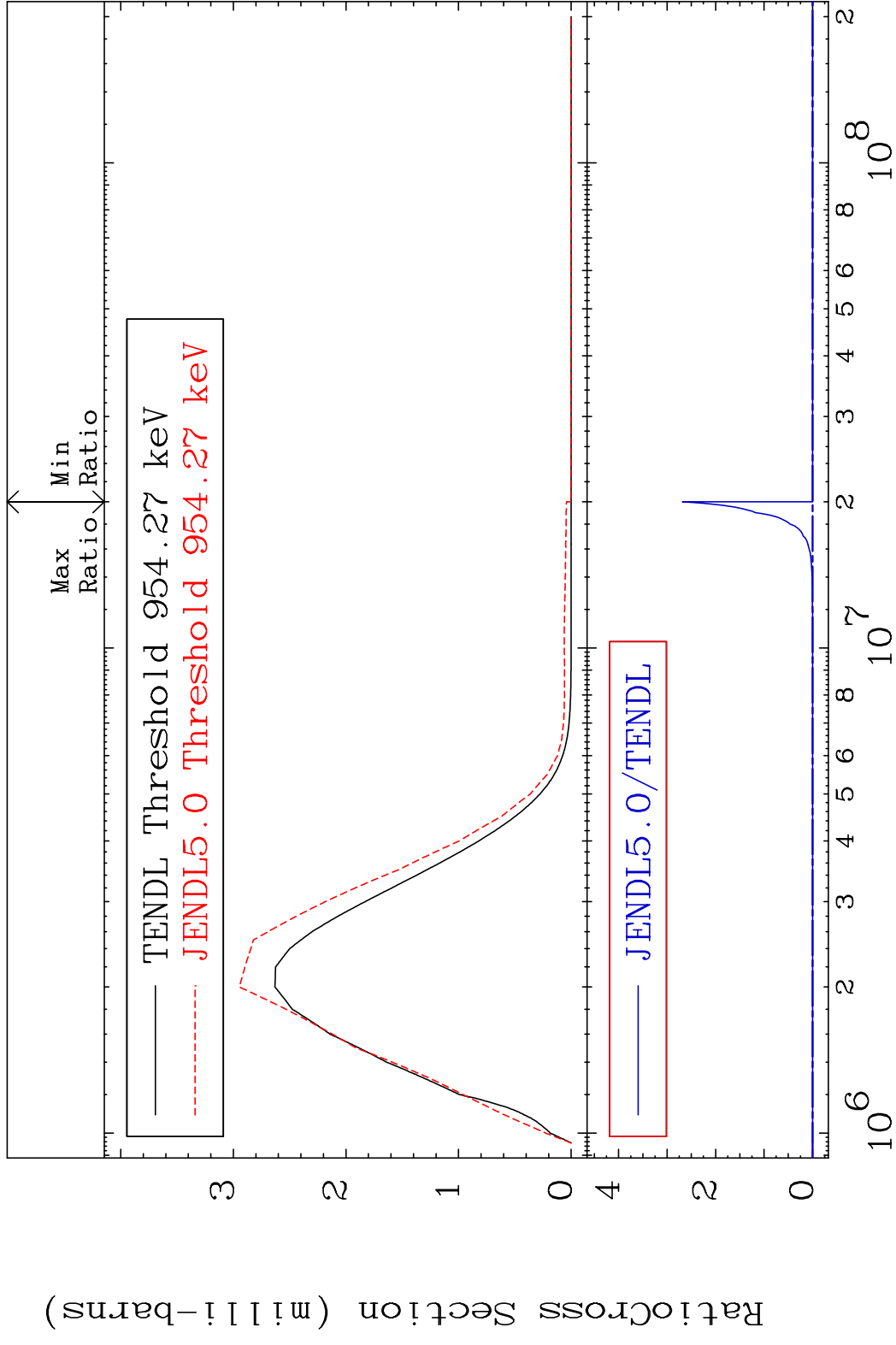
31 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 71 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



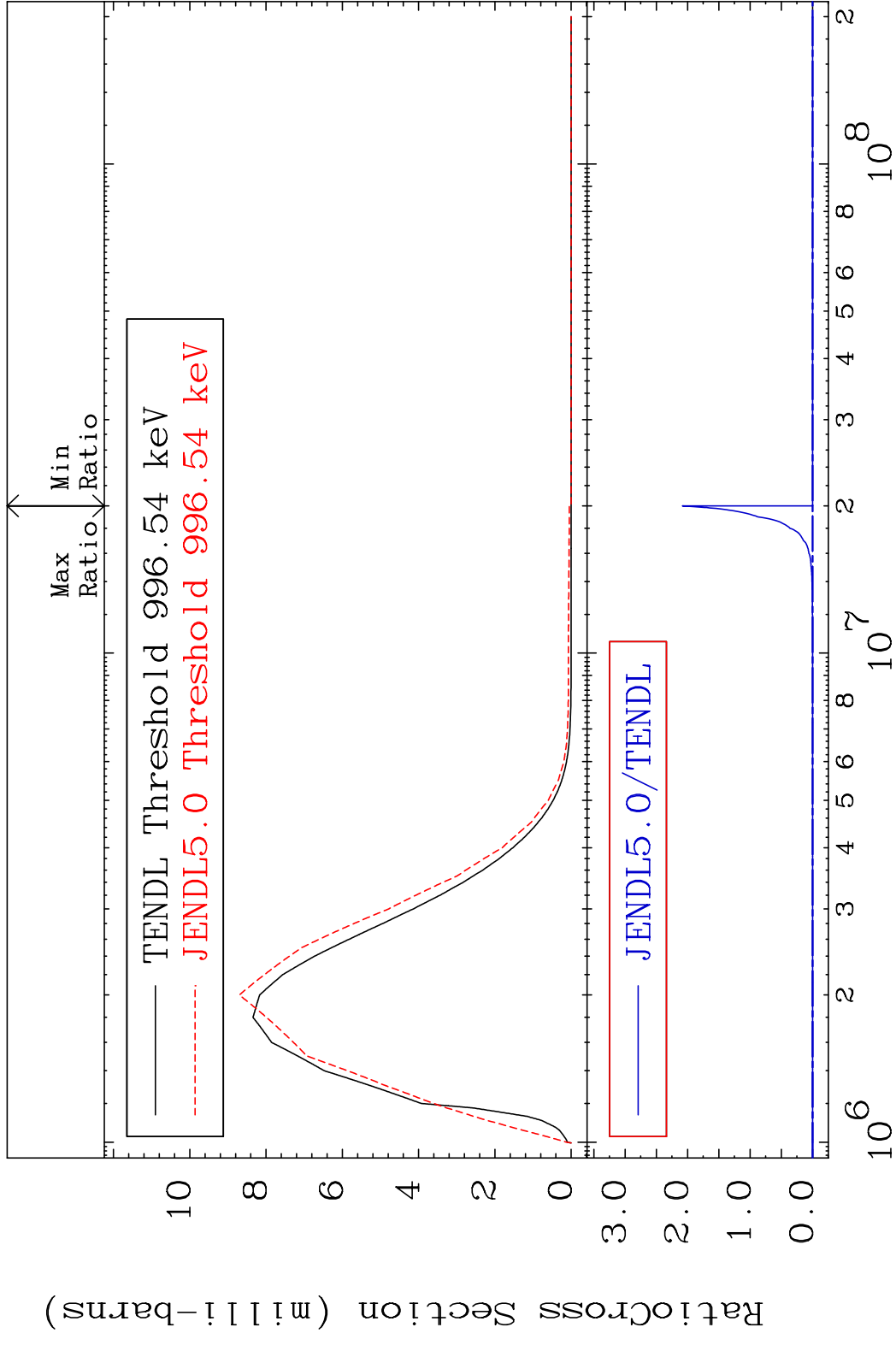
32 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 72 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



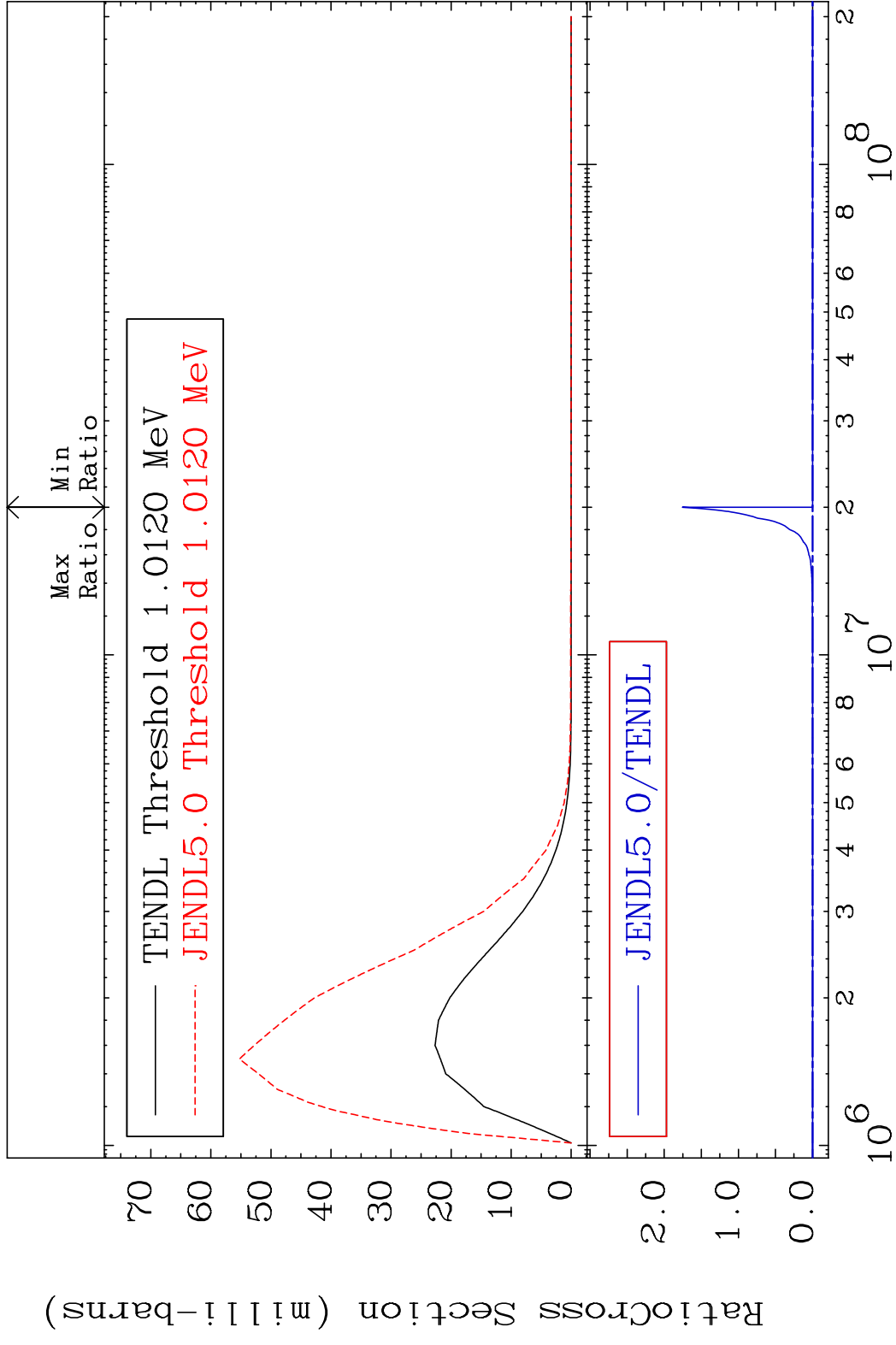
33 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 73 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



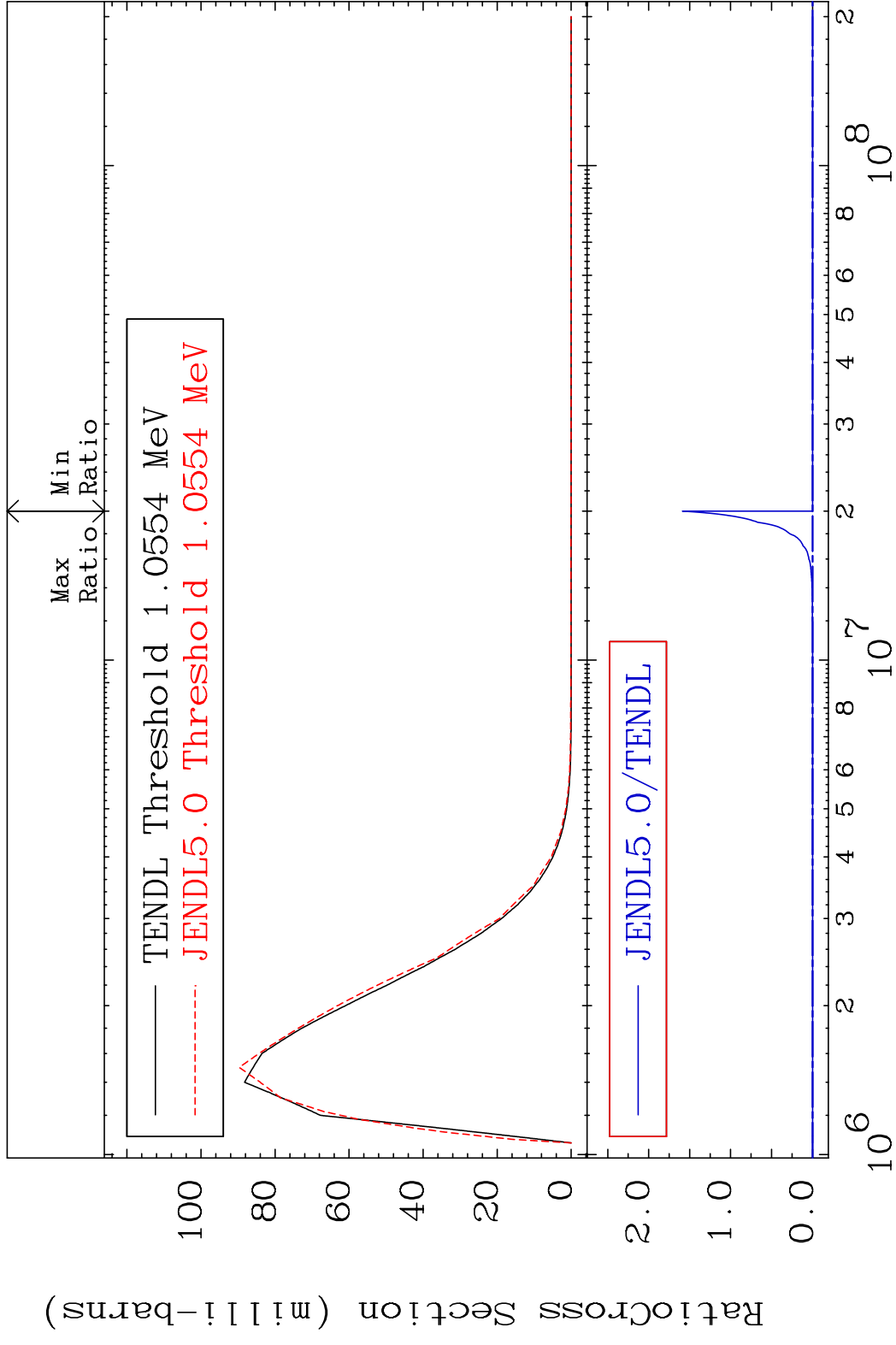
34 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 74 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



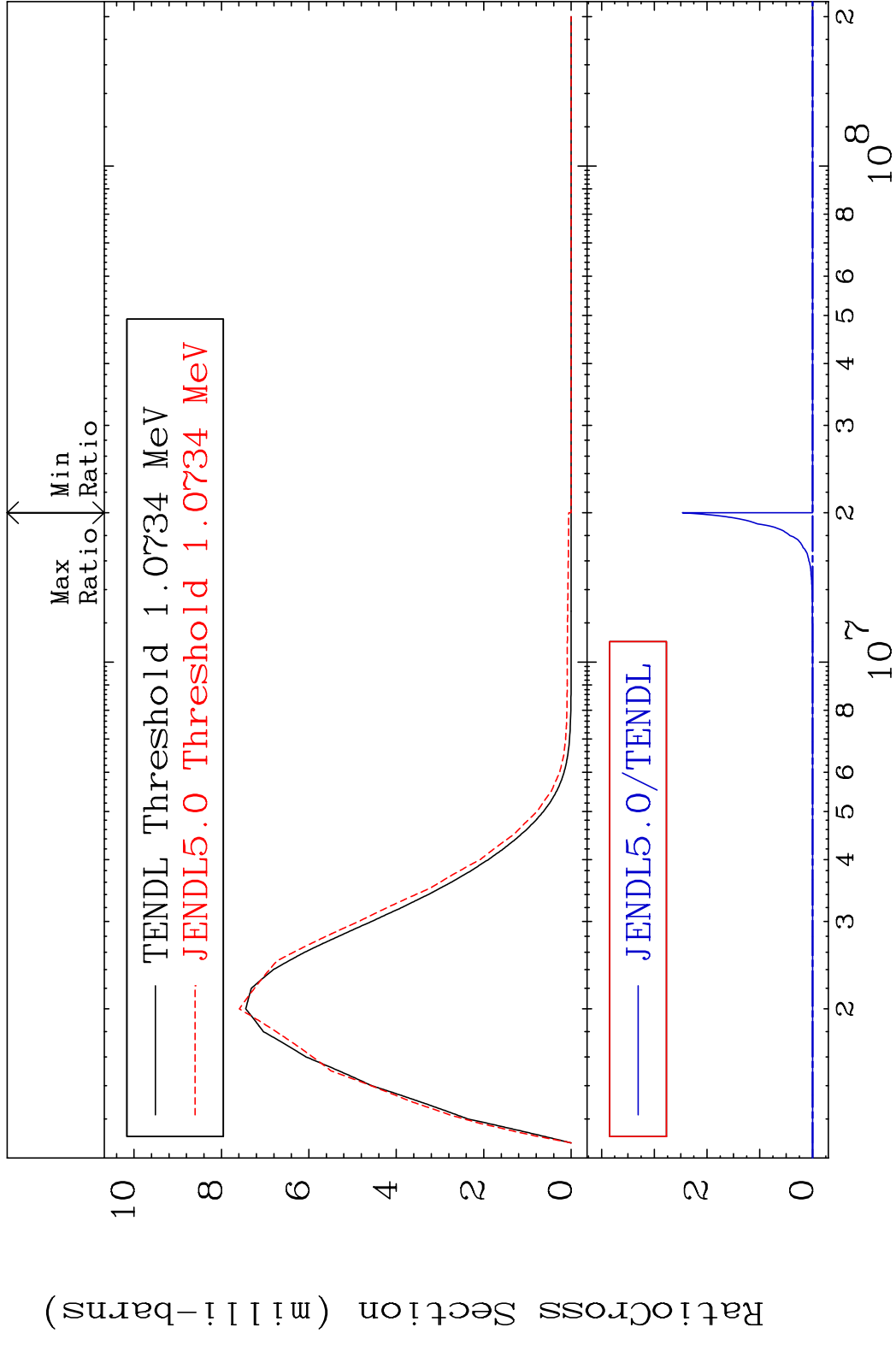
35 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 75 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

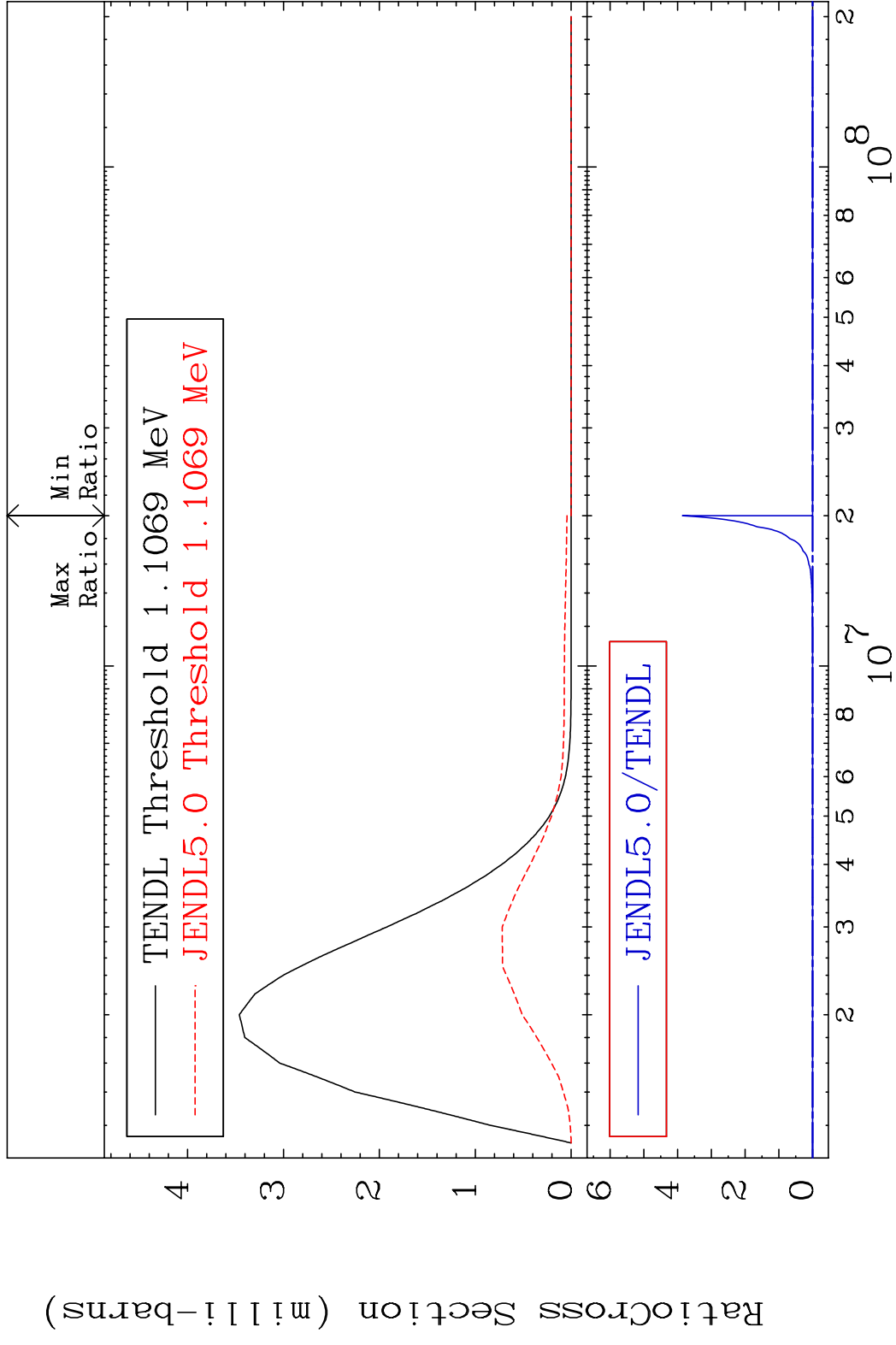


36 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 76 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

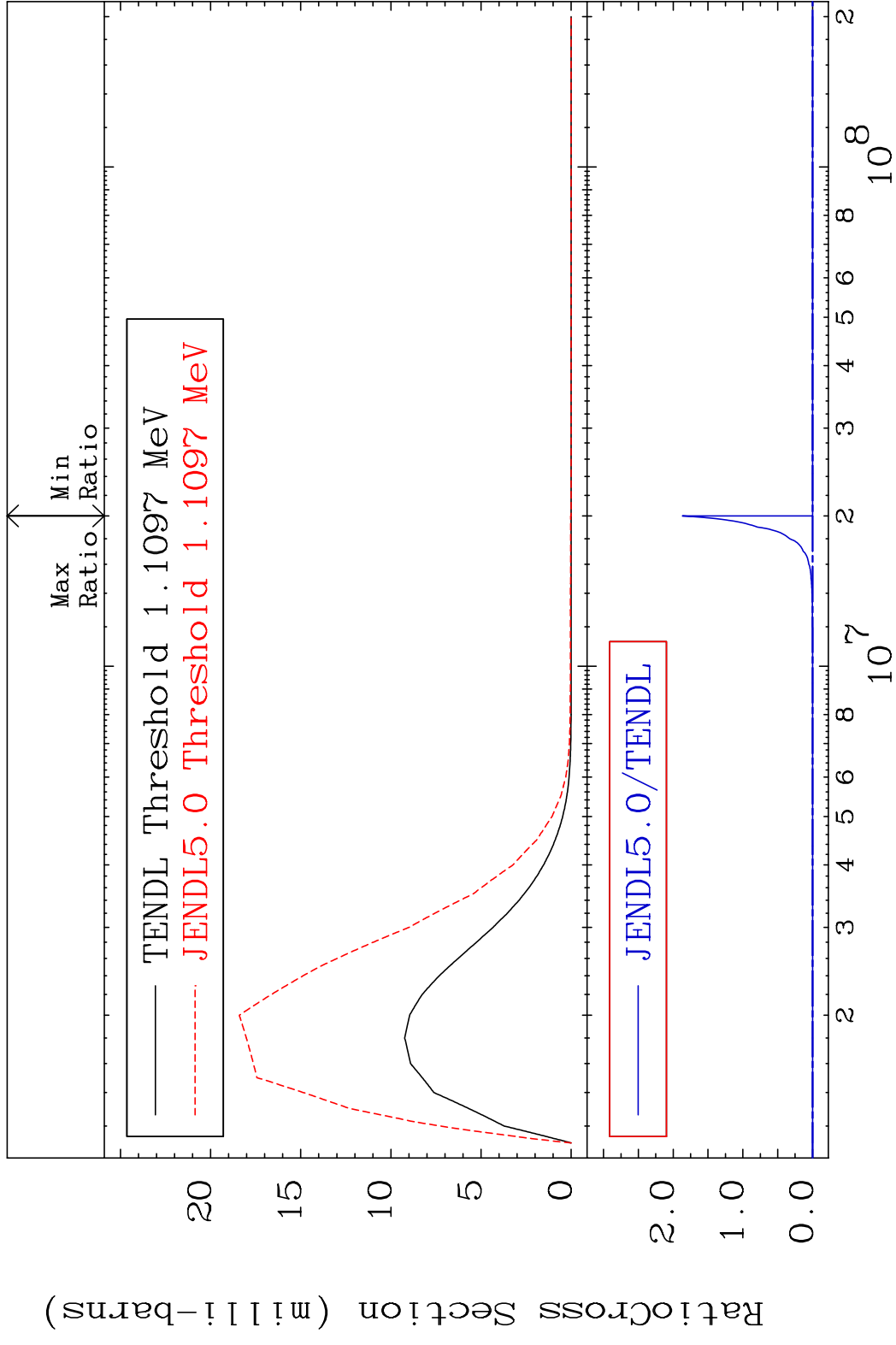


MAT 5241 MT= 77 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

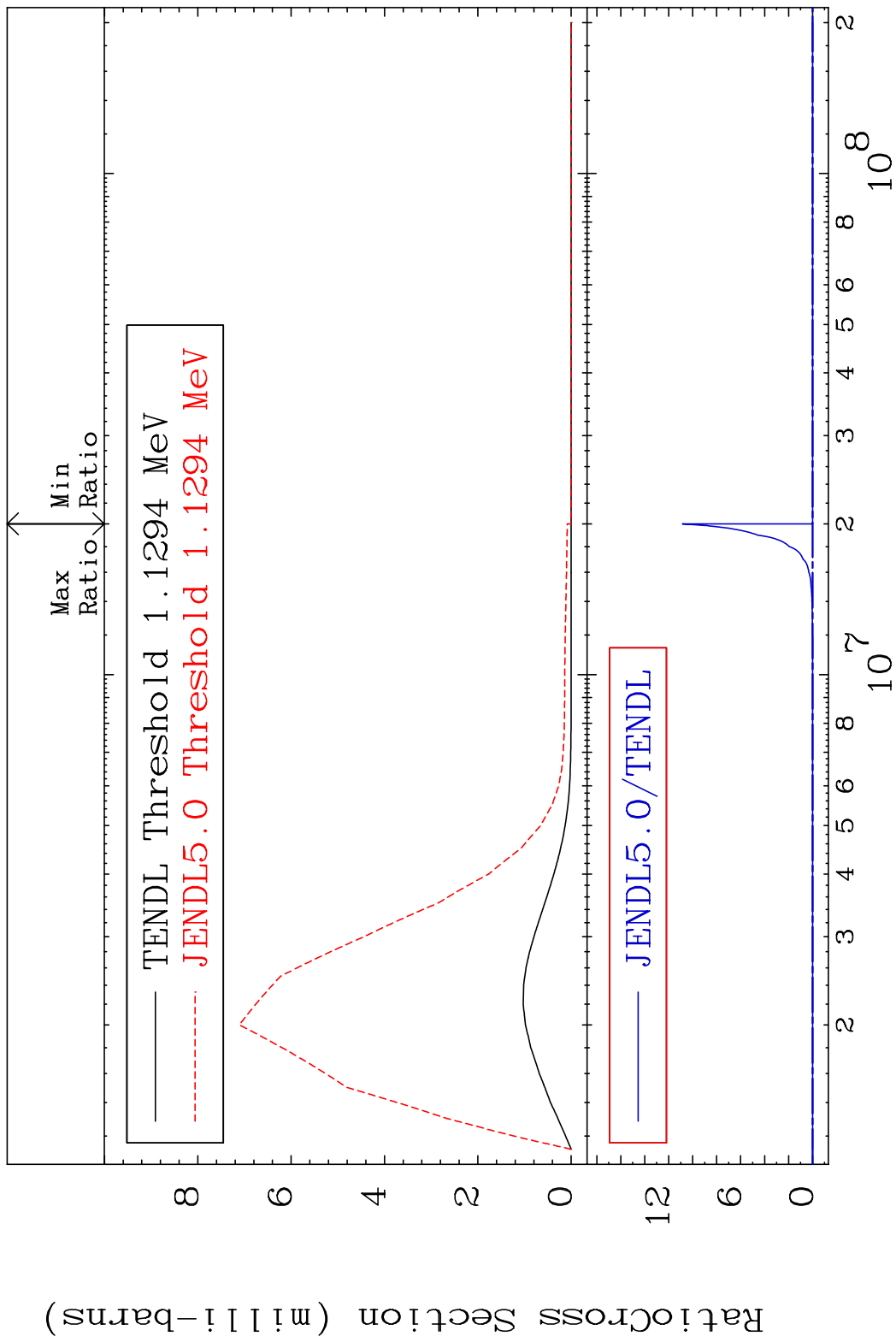


38 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 78 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

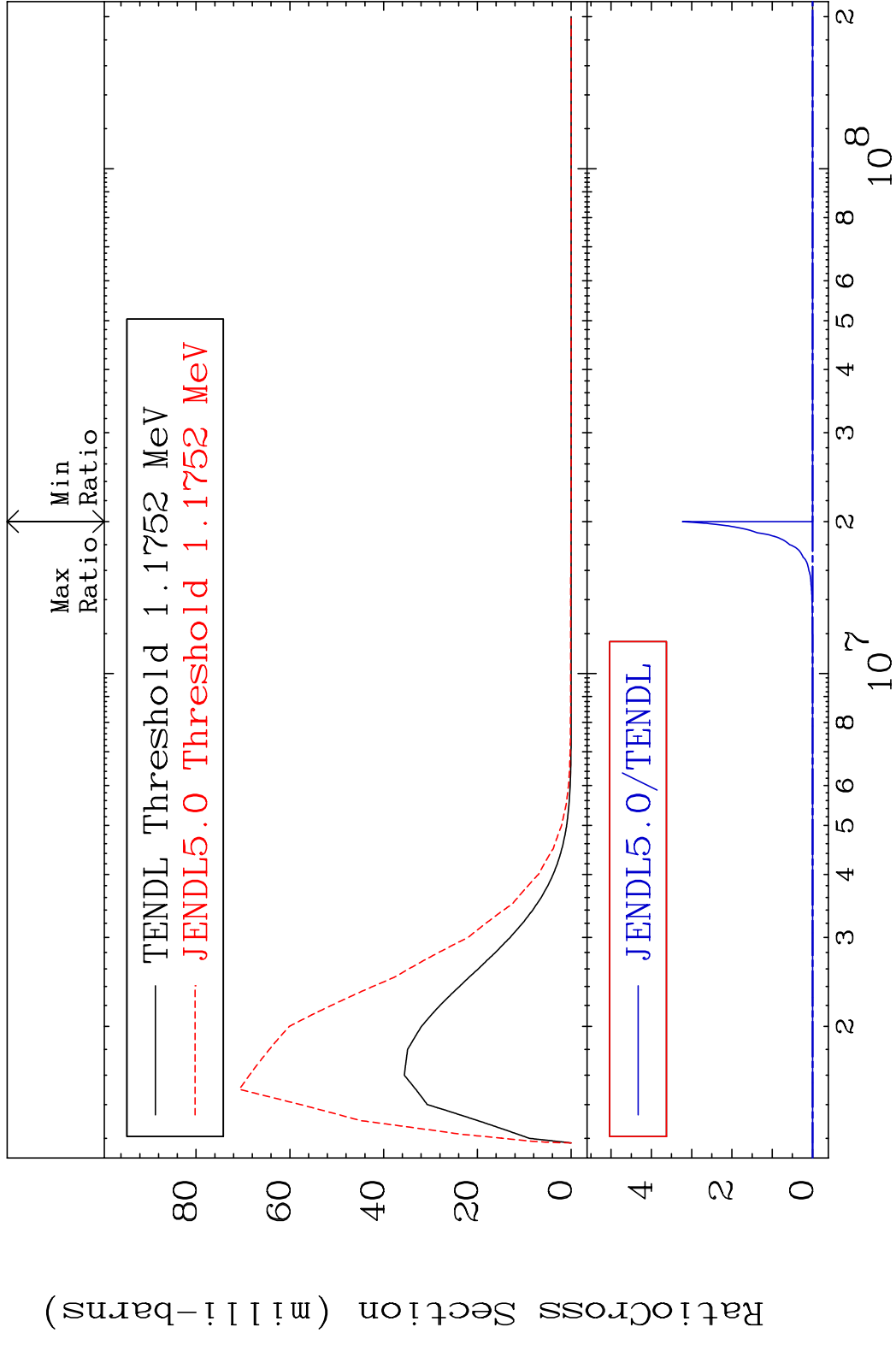


MAT 5241 MT= 79 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 52-Te-125m

MAT 5241 MT= 80 (n, n') Level 52-Te-125m
 Cross Section -100.0 To 9999. %

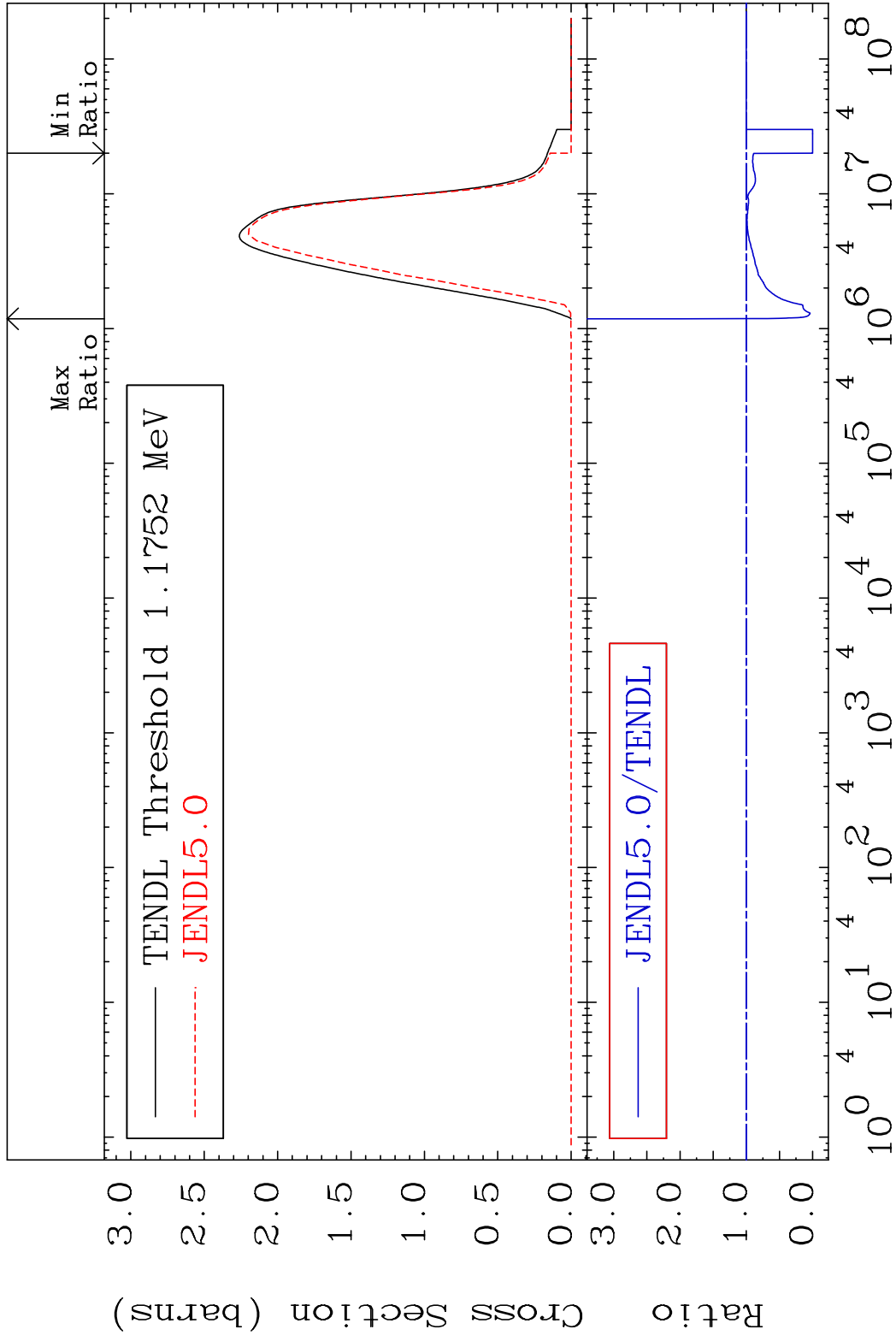


MAT 5241

(n, n') Continuum

52-Te-125m

Cross Section -100.0 To 96.50 %



42

Incident Energy (eV)

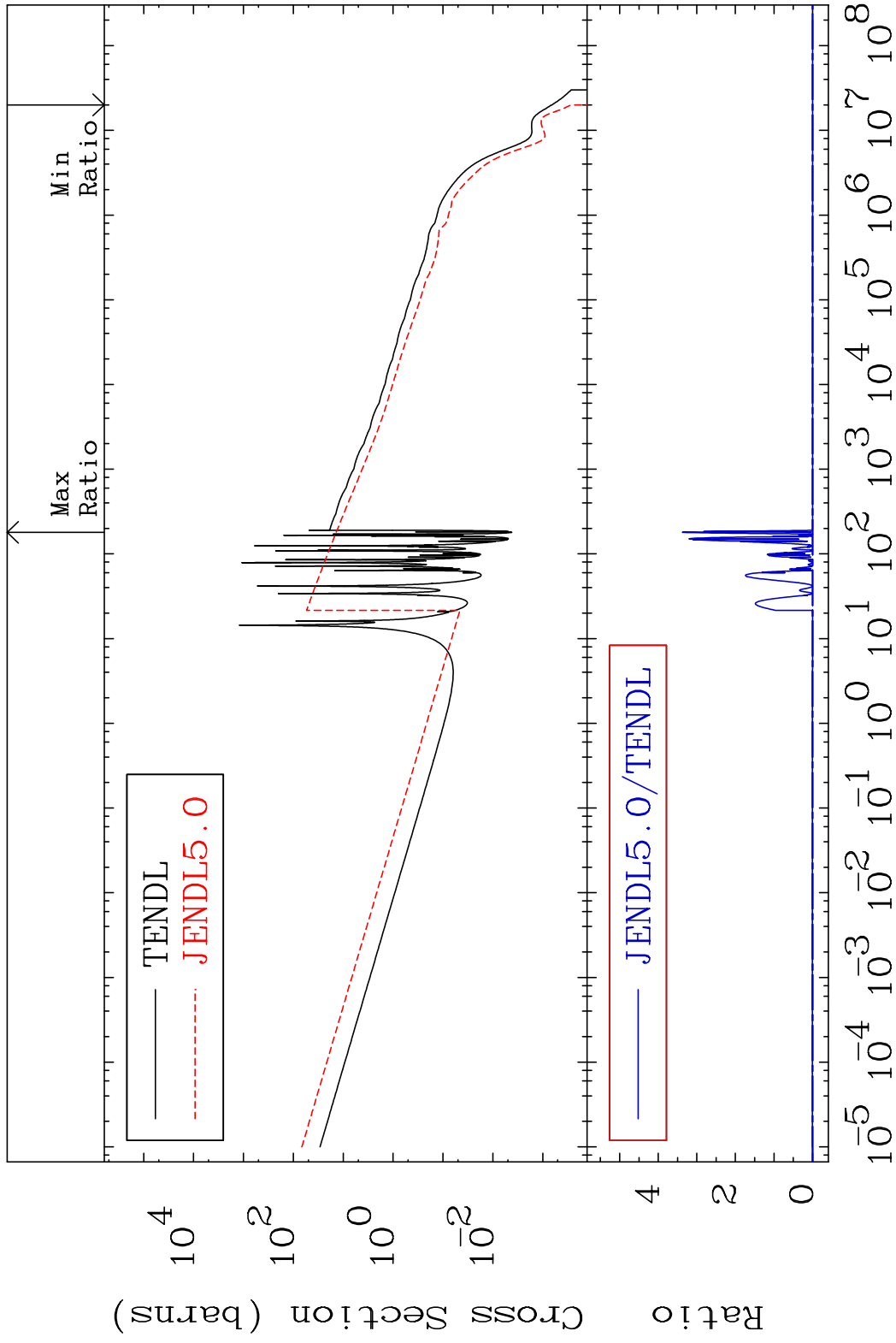
52-Te-125m

MAT 5241

(n, γ)

52-Te-125m

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

52-Te-125m

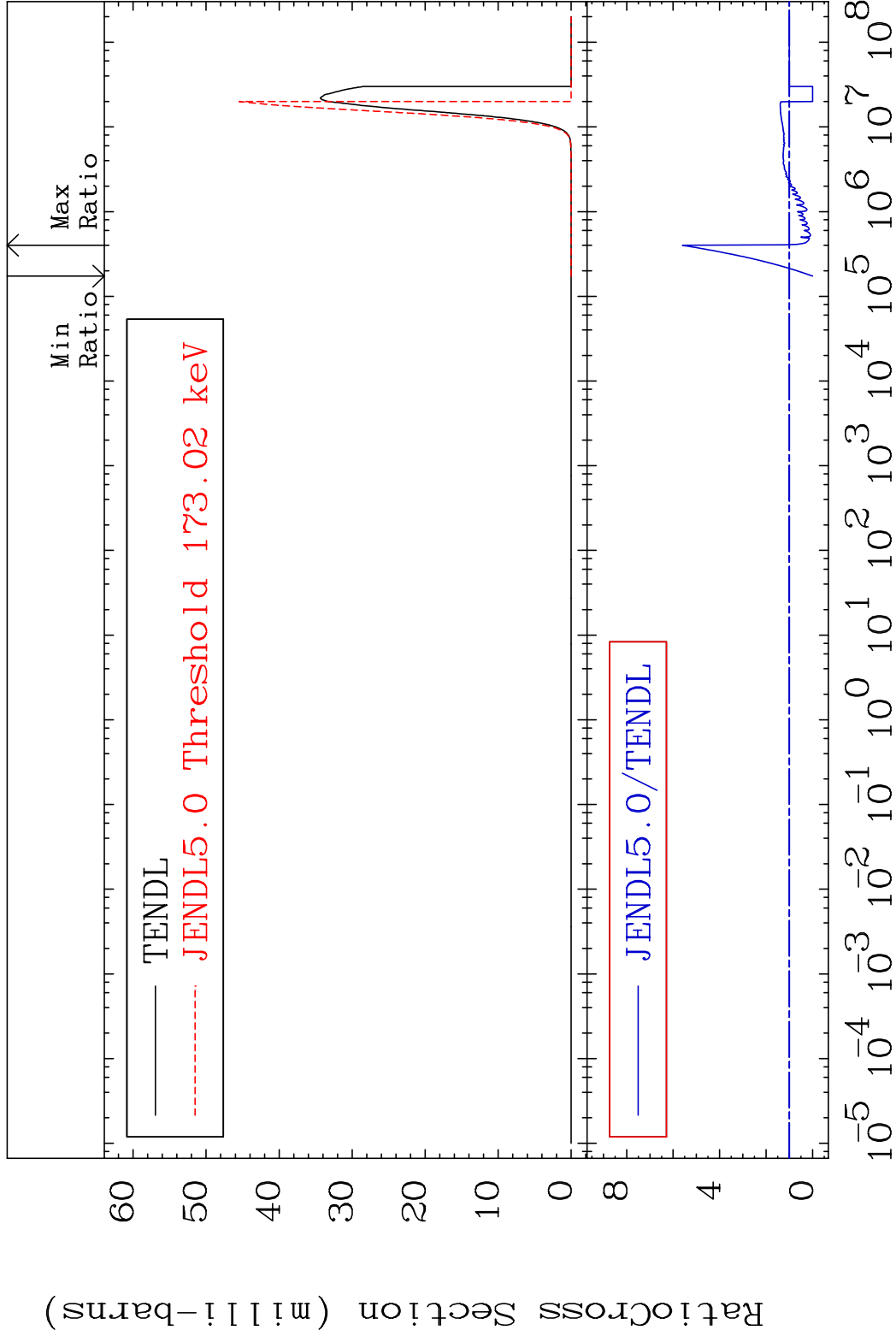
MAT 5241

(n, p)

52-Te-125m

Cross Section

-100.0 To 460.4 %



44

Incident Energy (eV)

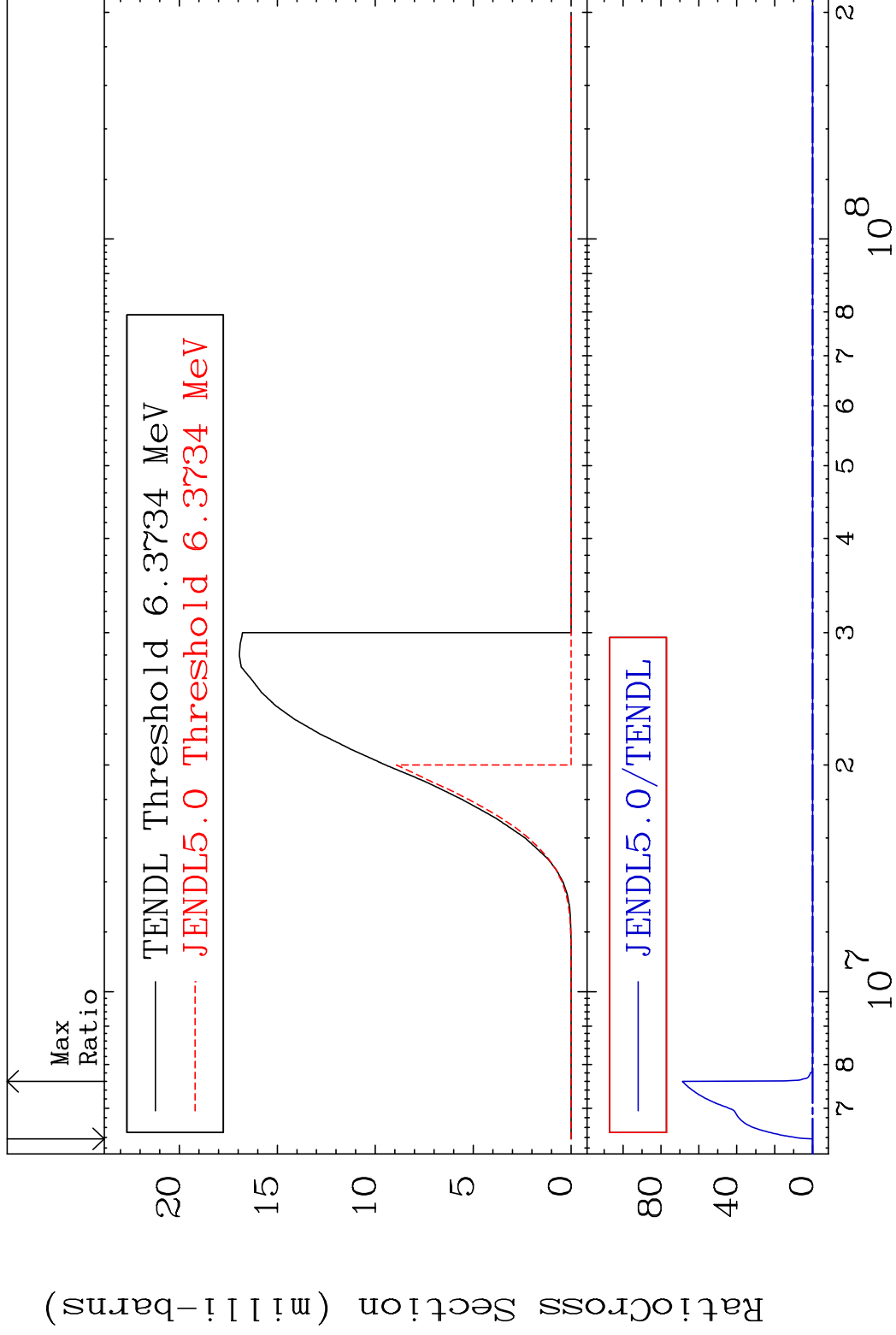
52-Te-125m

MAT 5241

(n, d)

52-Te-125m

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

52-Te-125m

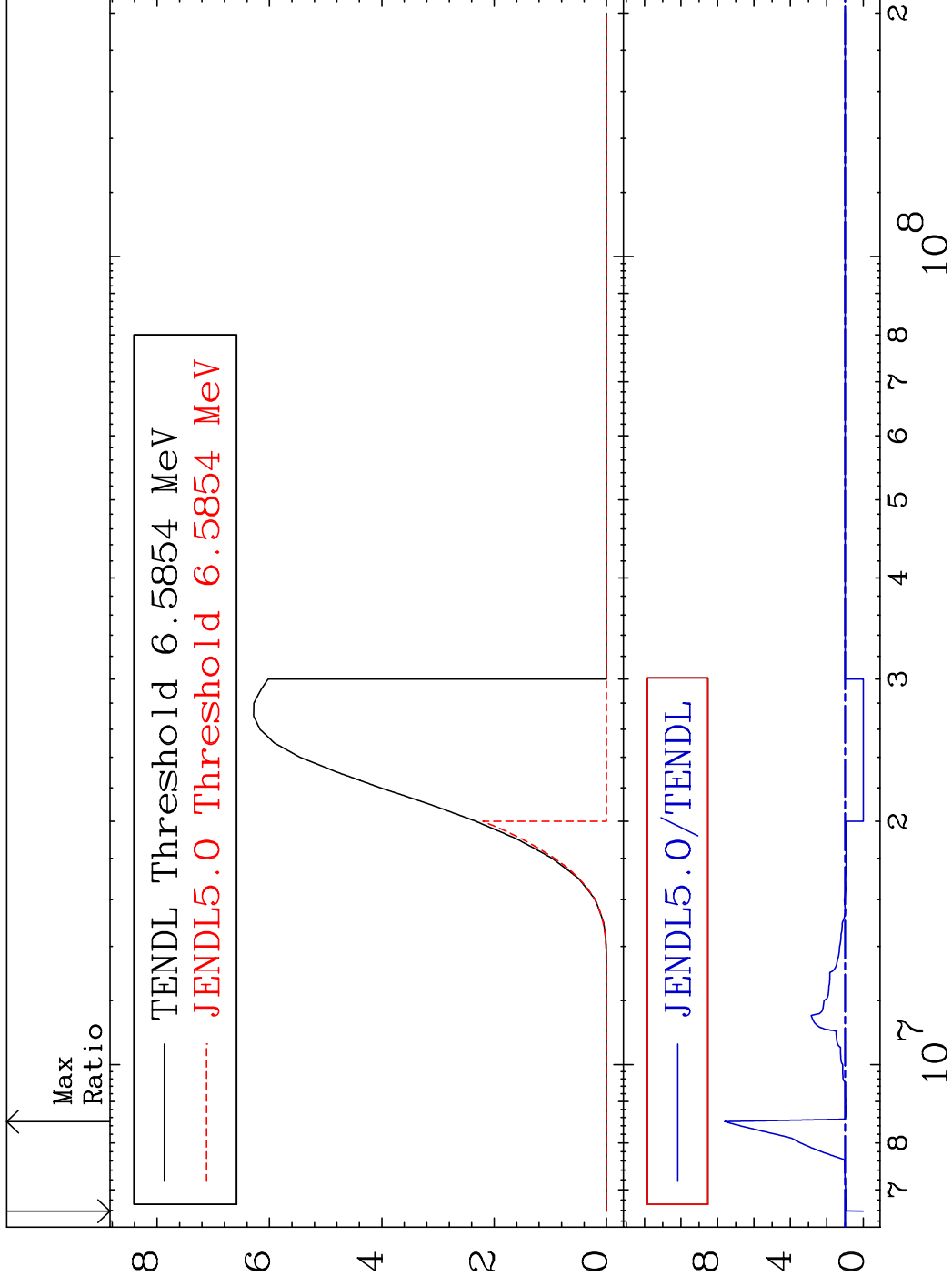
MAT 5241

(n, t)

52-Te-125m

Cross Section -100.0 To 659.8 %

RatioCross Section (milli-barns)



46

Incident Energy (eV)

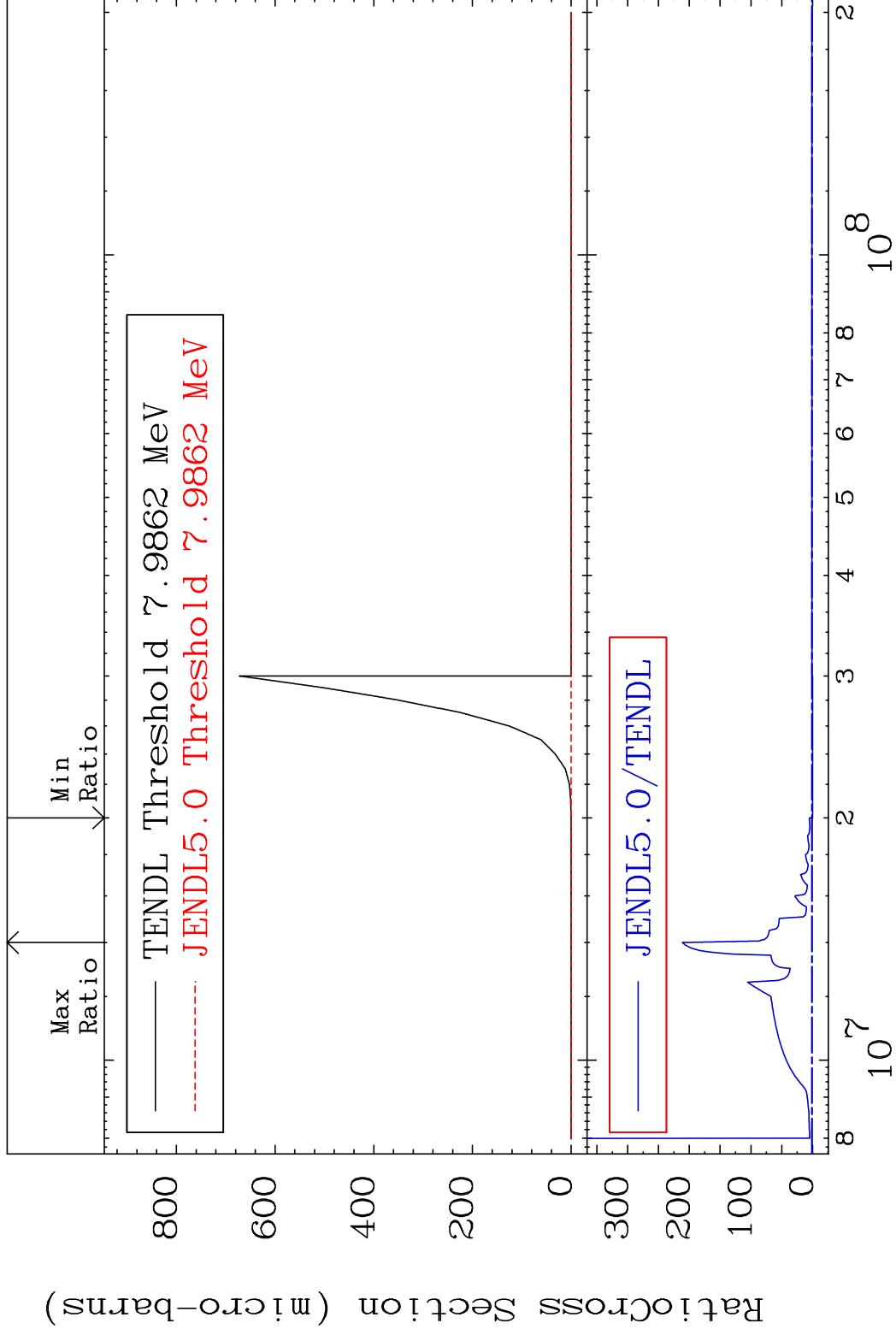
52-Te-125m

MAT 5241

(n, He-3)

52-Te-125m

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

52-Te-125m

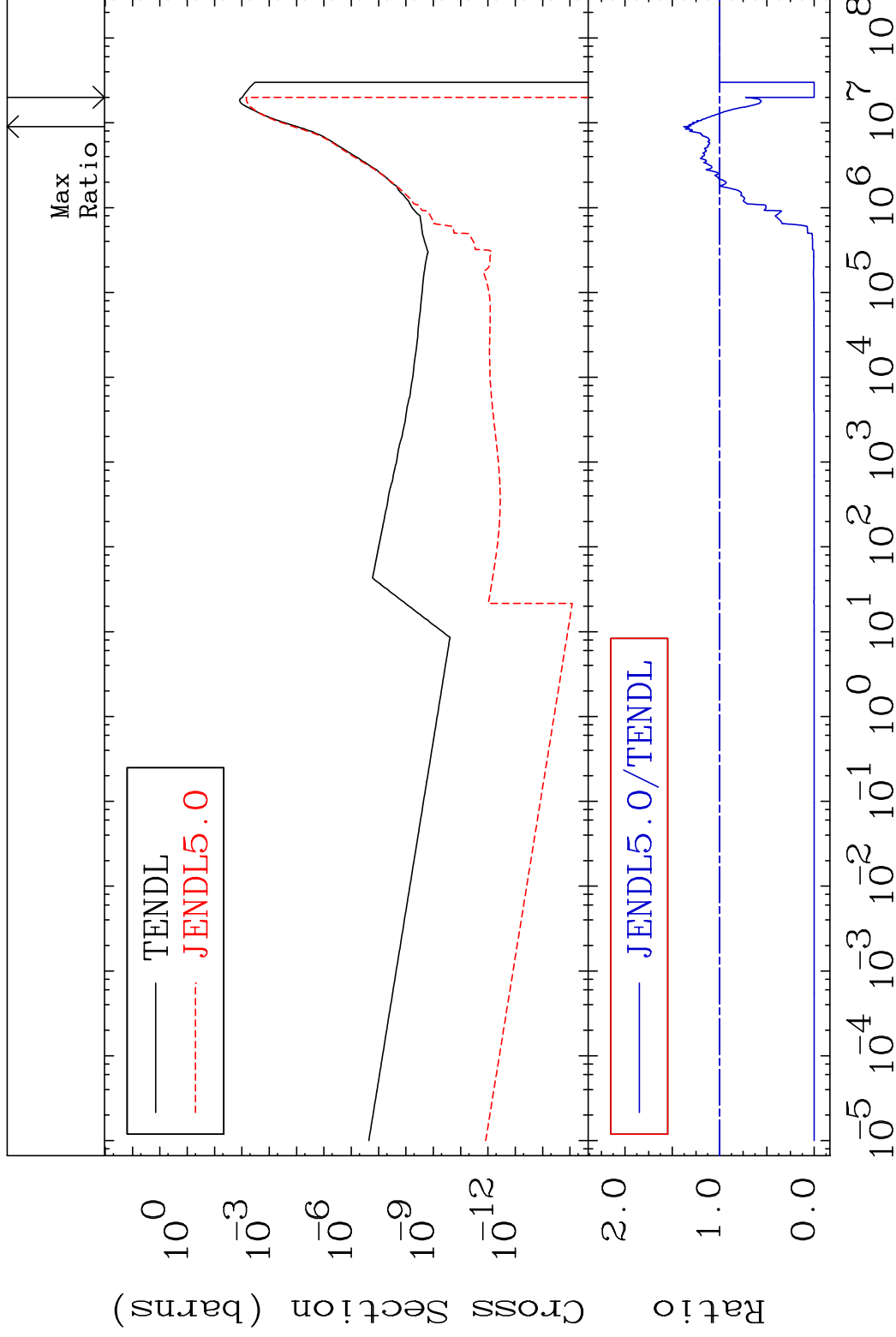
MAT 5241

(n, α)

52-Te-125m

Cross Section

-100.0 To 37.97 %



48

Incident Energy (eV)

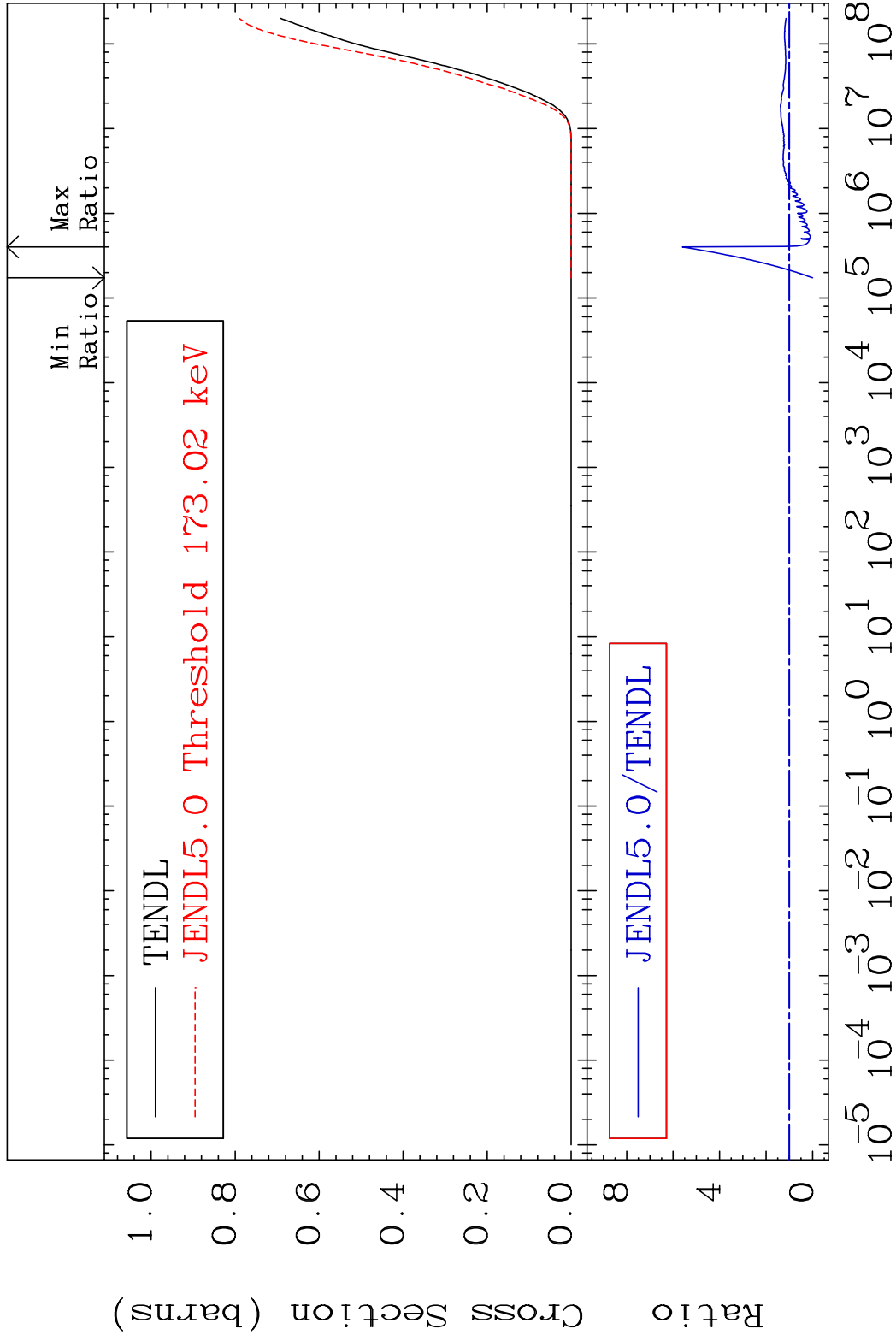
52-Te-125m

MAT 5241

Hydrogen Production

52-Te-125m

Cross Section -100.0 To 460.4 %

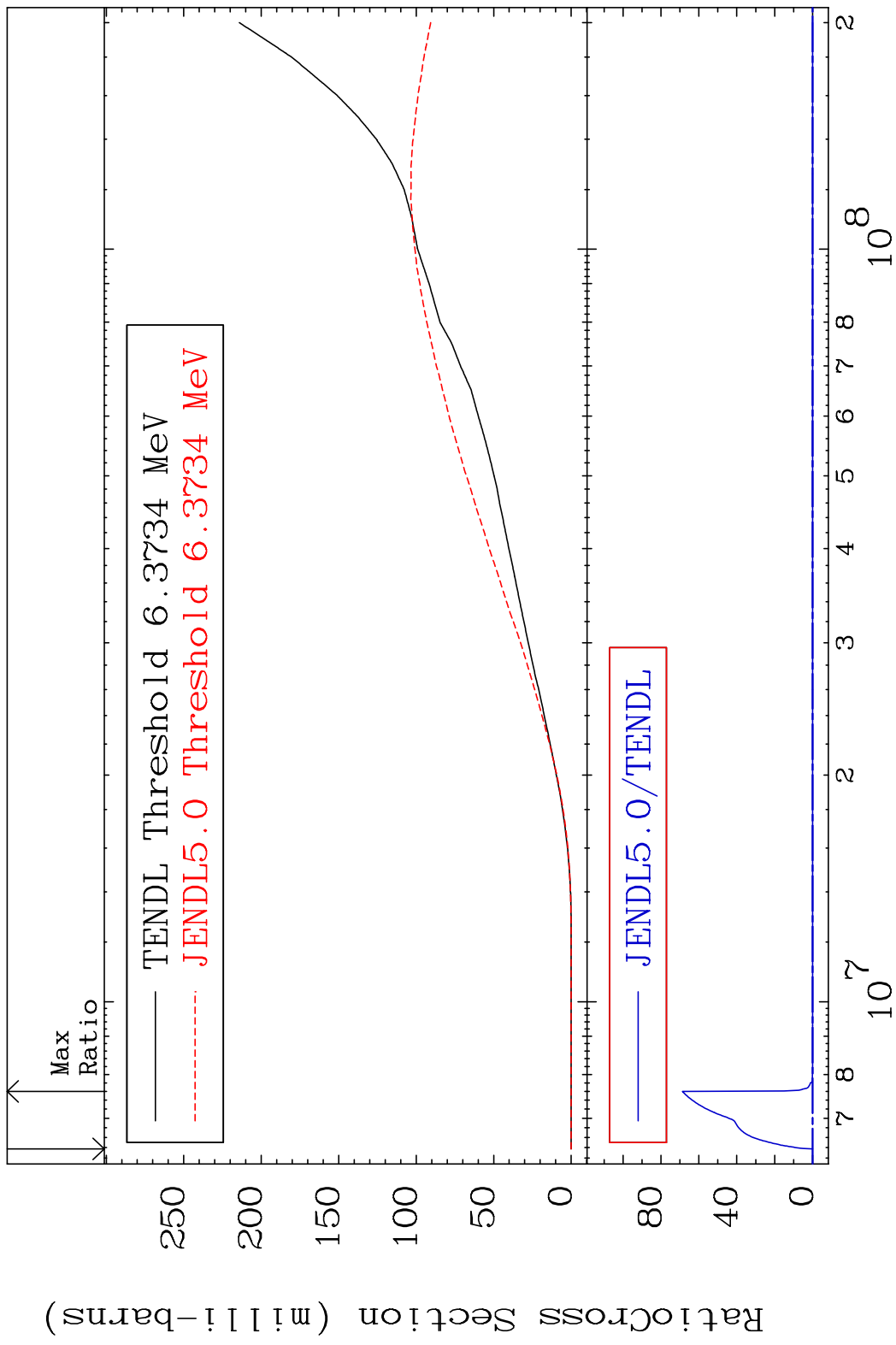


49

Incident Energy (eV)

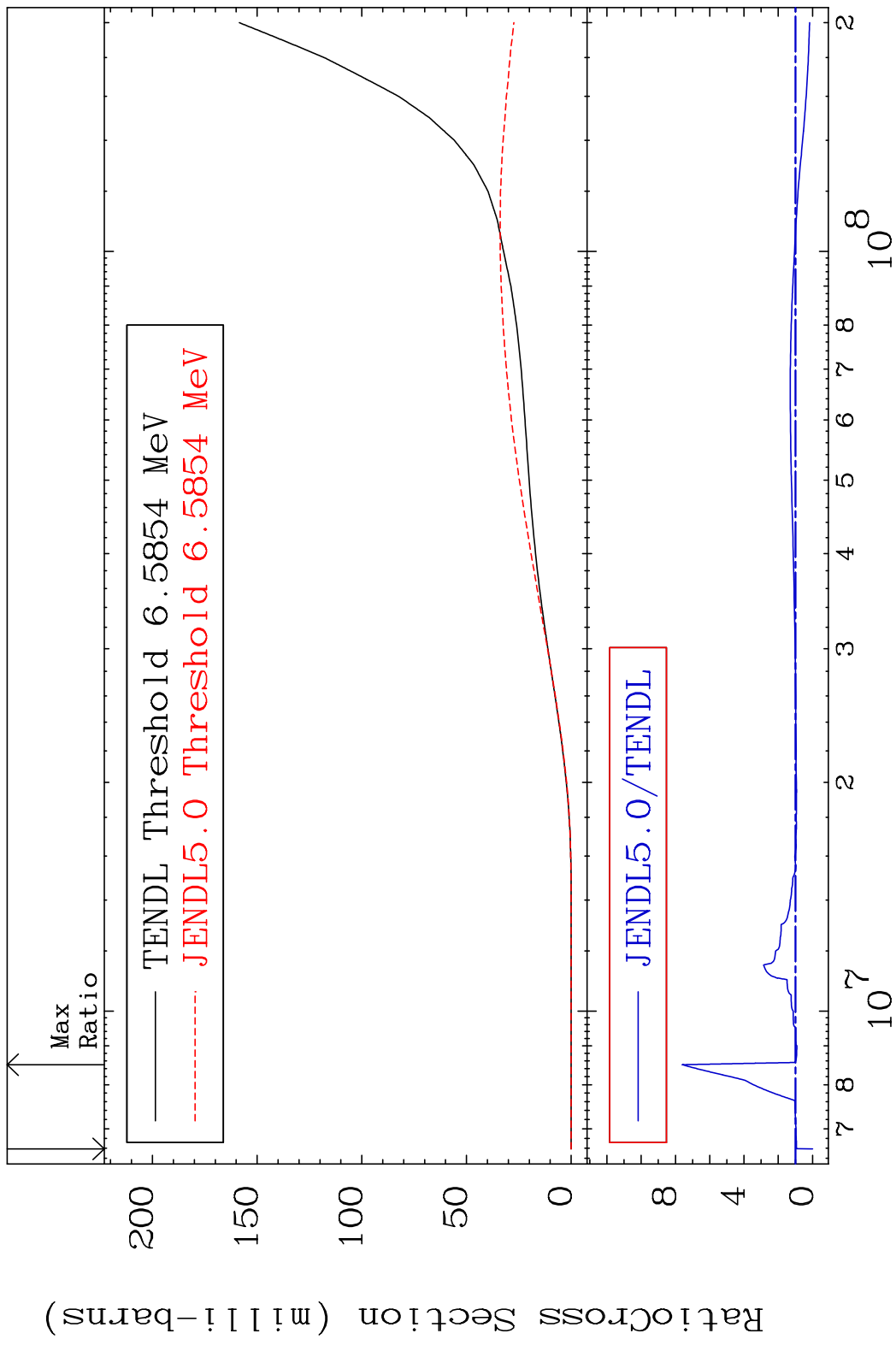
52-Te-125m

MAT 5241 Deuterium Production 52-Te-125m
 Cross Section -100.0 To 9999. %

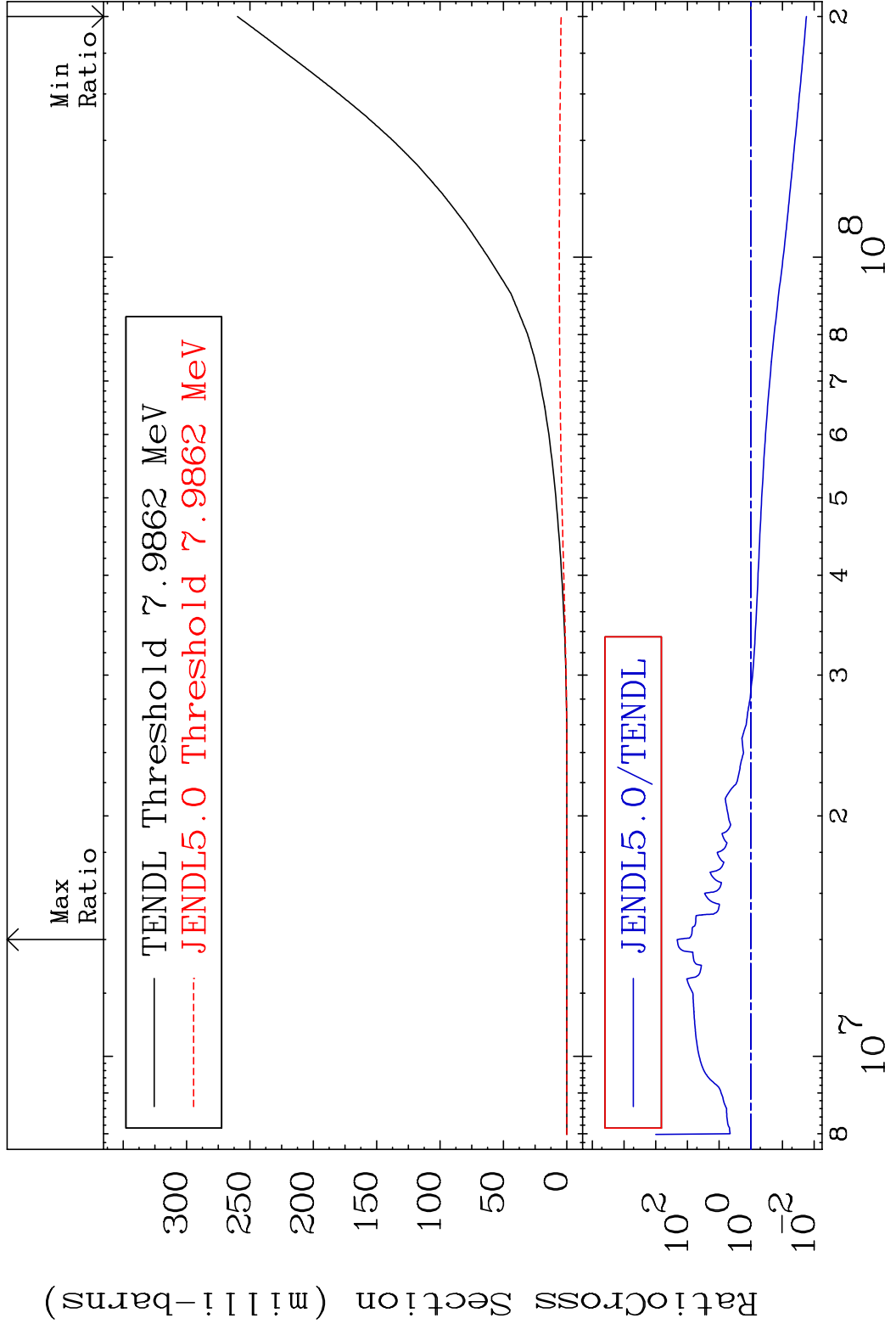


50 52-Te-125m

MAT 5241 Tritium Production 52-Te-125m
 Cross Section -100.0 To 659.8 %

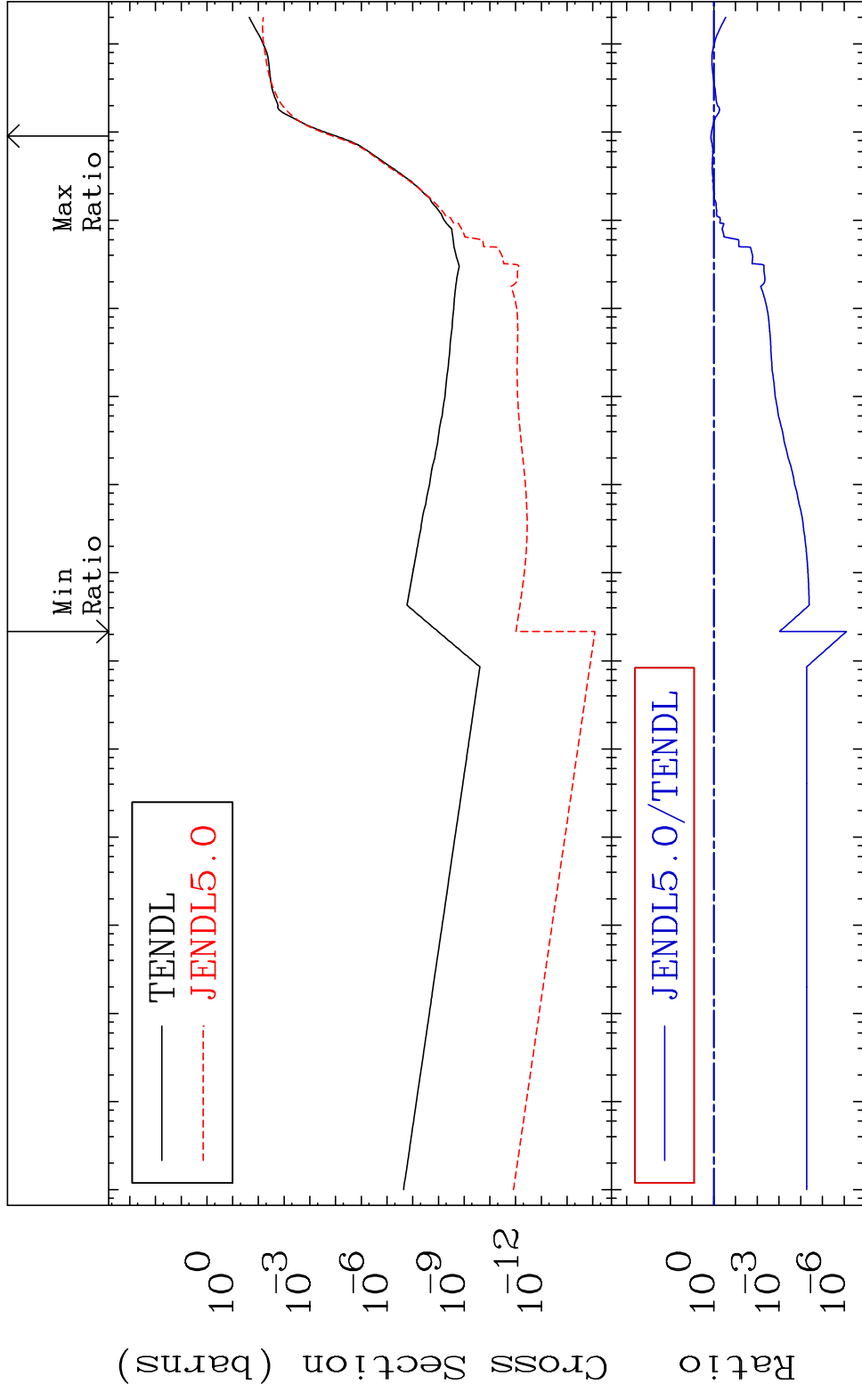


MAT 5241 He-3 Production 52-Te-125m
 Cross Section -98.23 To 9999. %



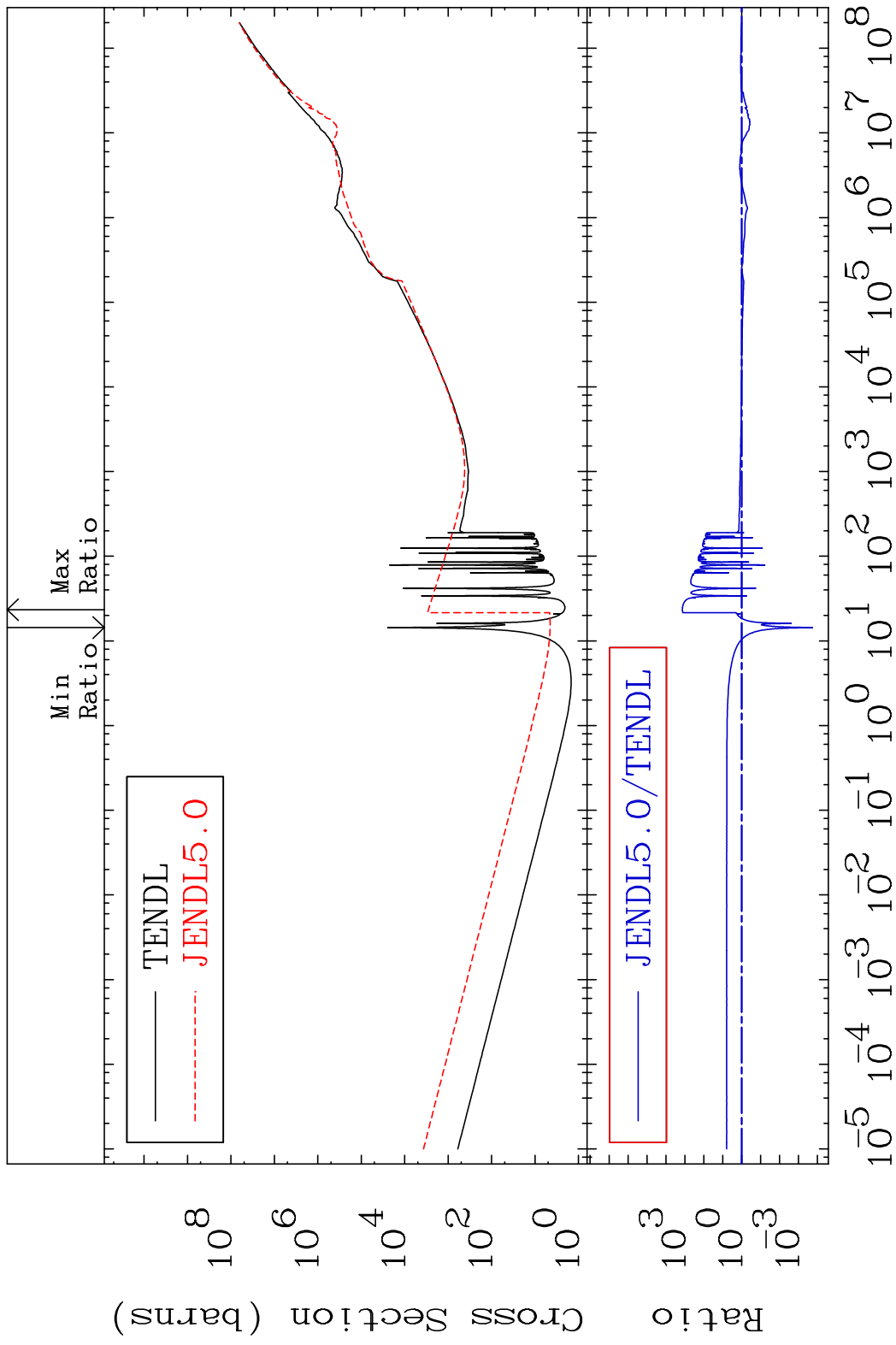
52 Incident Energy (eV) 52-Te-125m

MAT 5241 He-4 Production 52-Te-125m
 Cross Section -100.0 To 37.97 %



53 Incident Energy (eV) 52-Te-125m

MAT 5241 Kerma total (eV-barns) 52-Te-125m
 Cross Section -99.98 To 9999. %

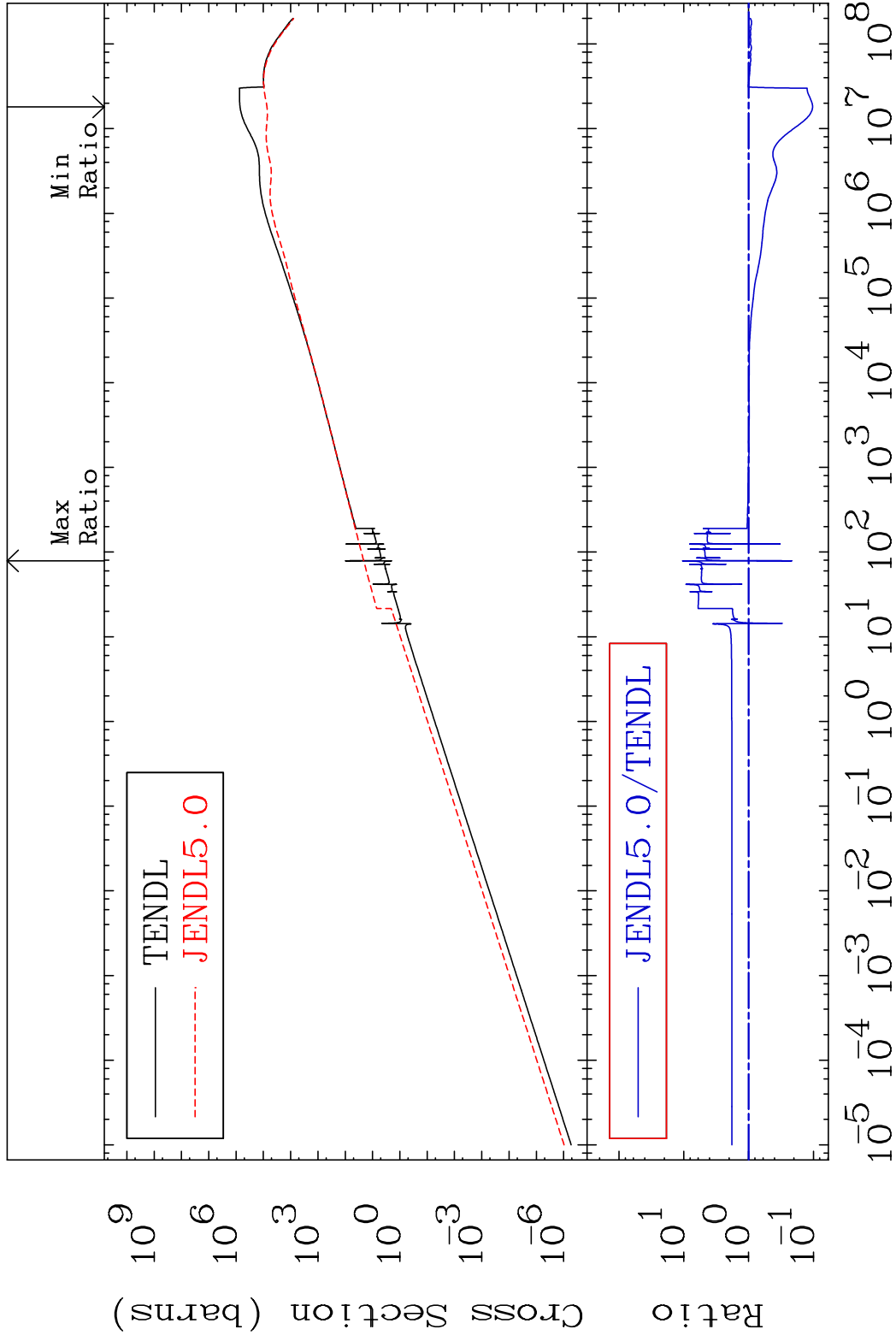


54 Incident Energy (eV) 52-Te-125m

MAT 5241

Kerma elastic
Cross Section

52-Te-125m
-89.68 To 954.0 %

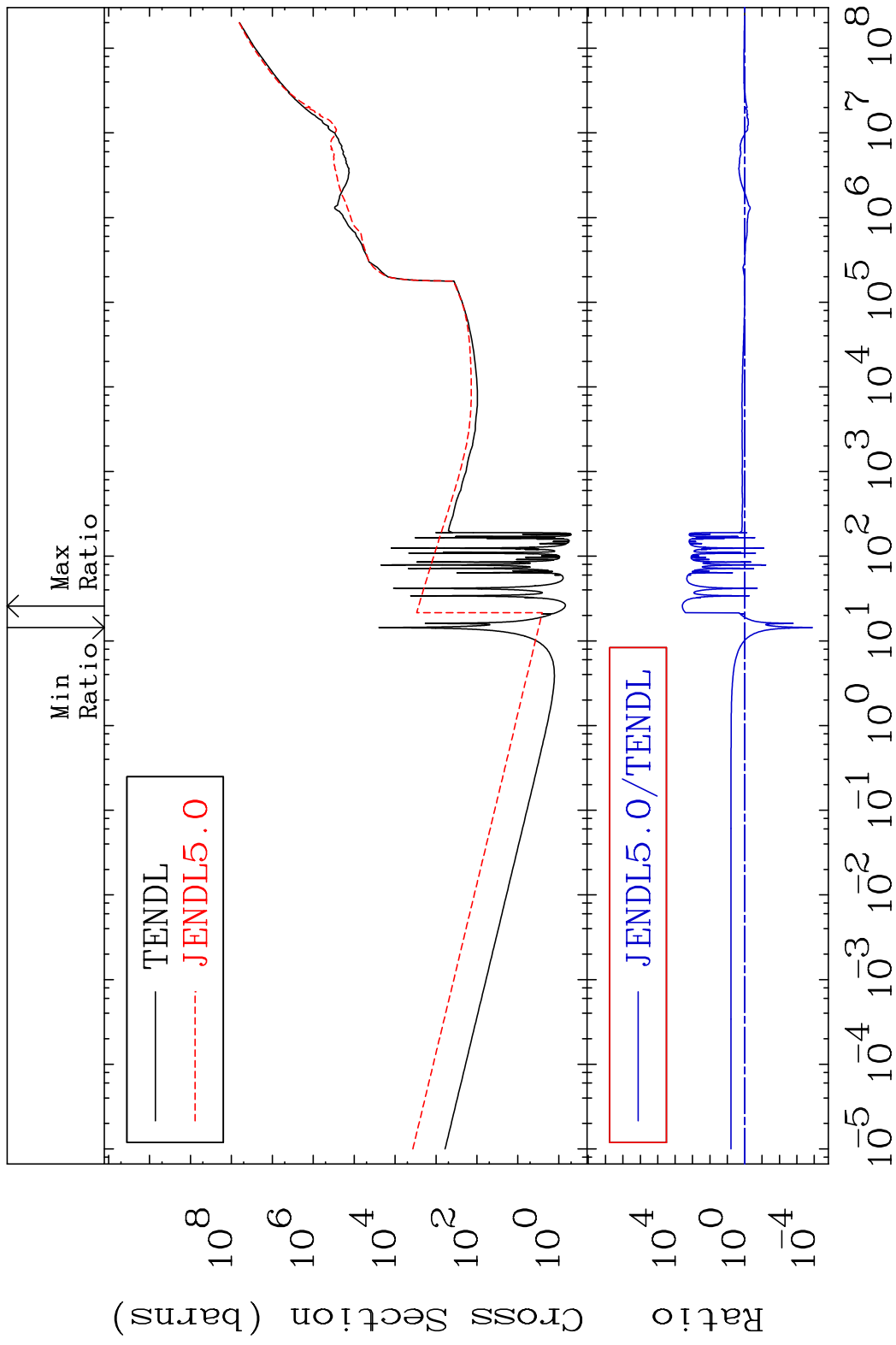


55

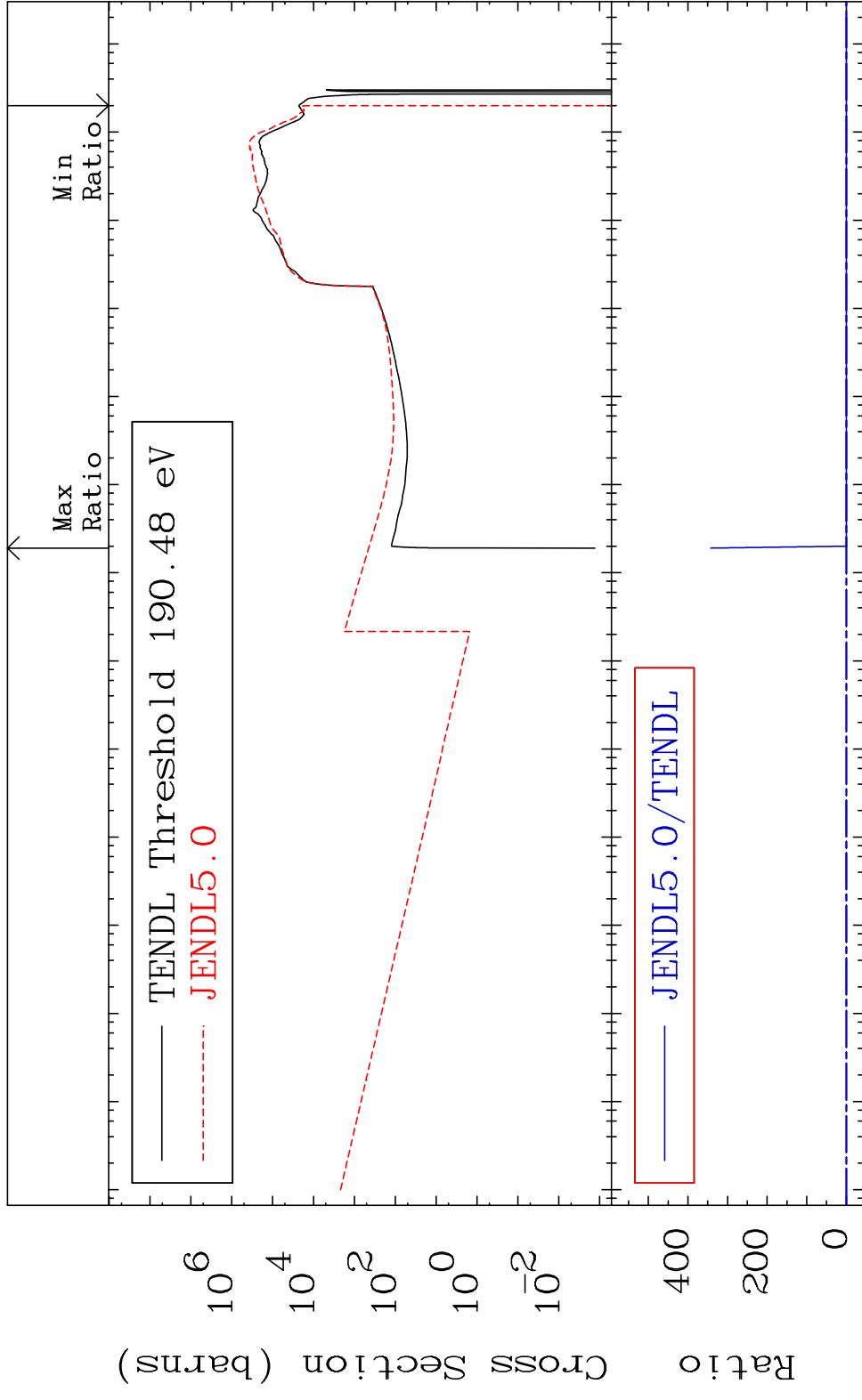
Incident Energy (eV)

52-Te-125m

MAT 5241 Kerma non-elastic (all but mt2) 52-Te-125m
 Cross Section -99.99 To 9999. %

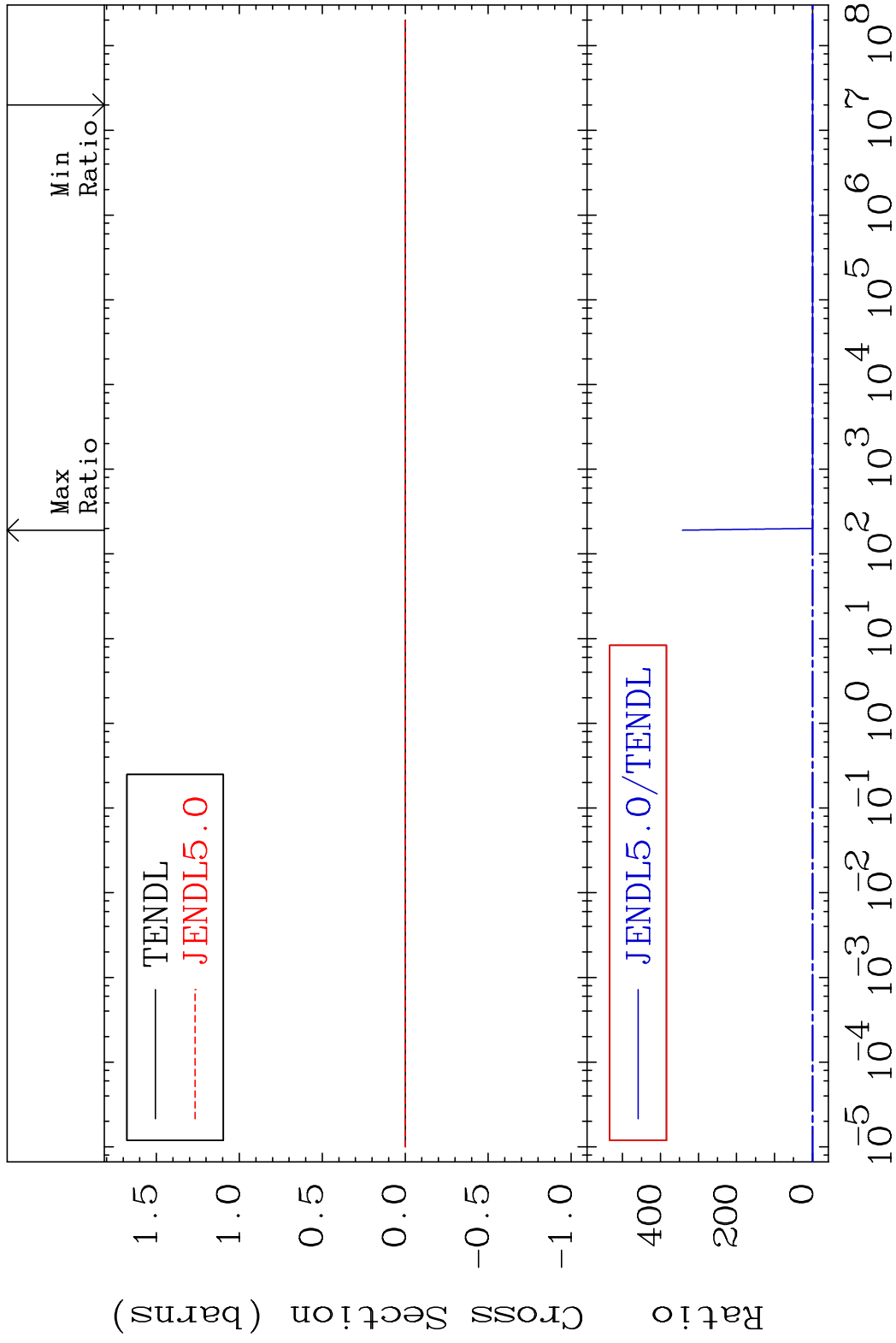


MAT 5241 Kerma inelastic (mt51-91) 52-Te-125m
 Cross Section -100.0 To 9999. %

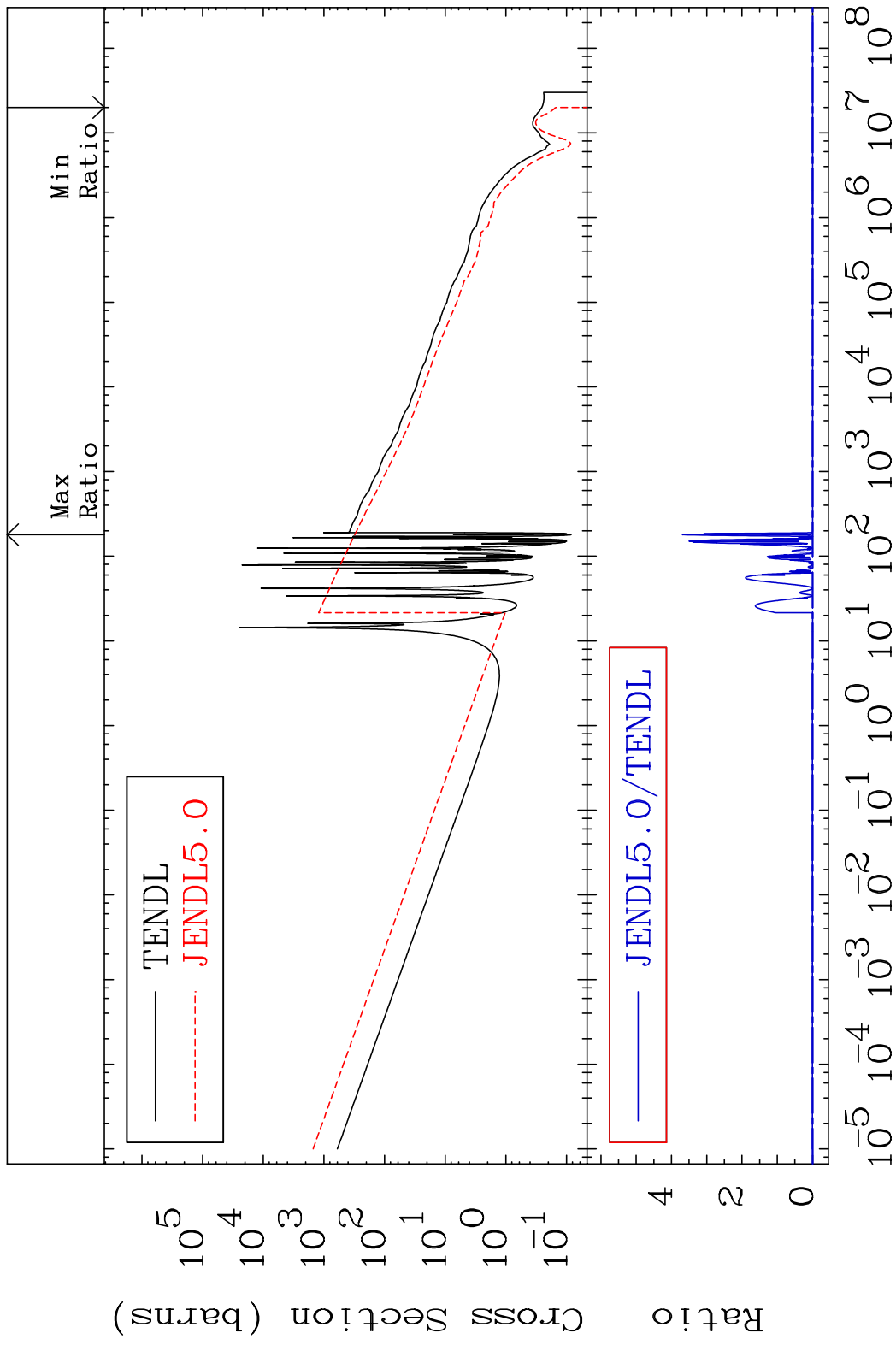


57 Incident Energy (eV) 52-Te-125m

MAT 5241 Kerma fission (mt18 or mt19-20-21-35)Te-125m
 Cross Section -100.0 To 9999. %

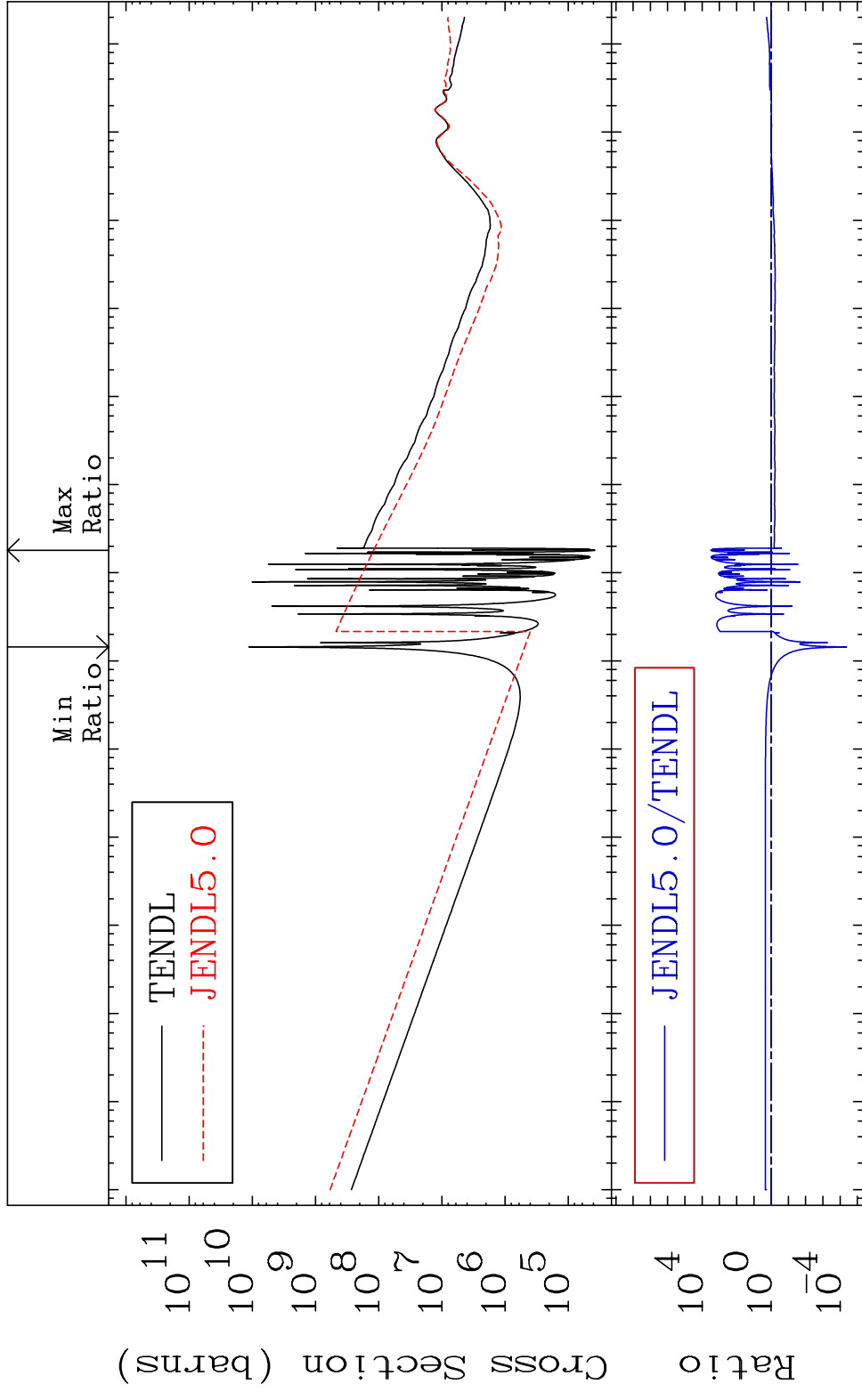


MAT 5241 Kerma capture (mt102) 52-Te-125m
 Cross Section -100.0 To 9999. %



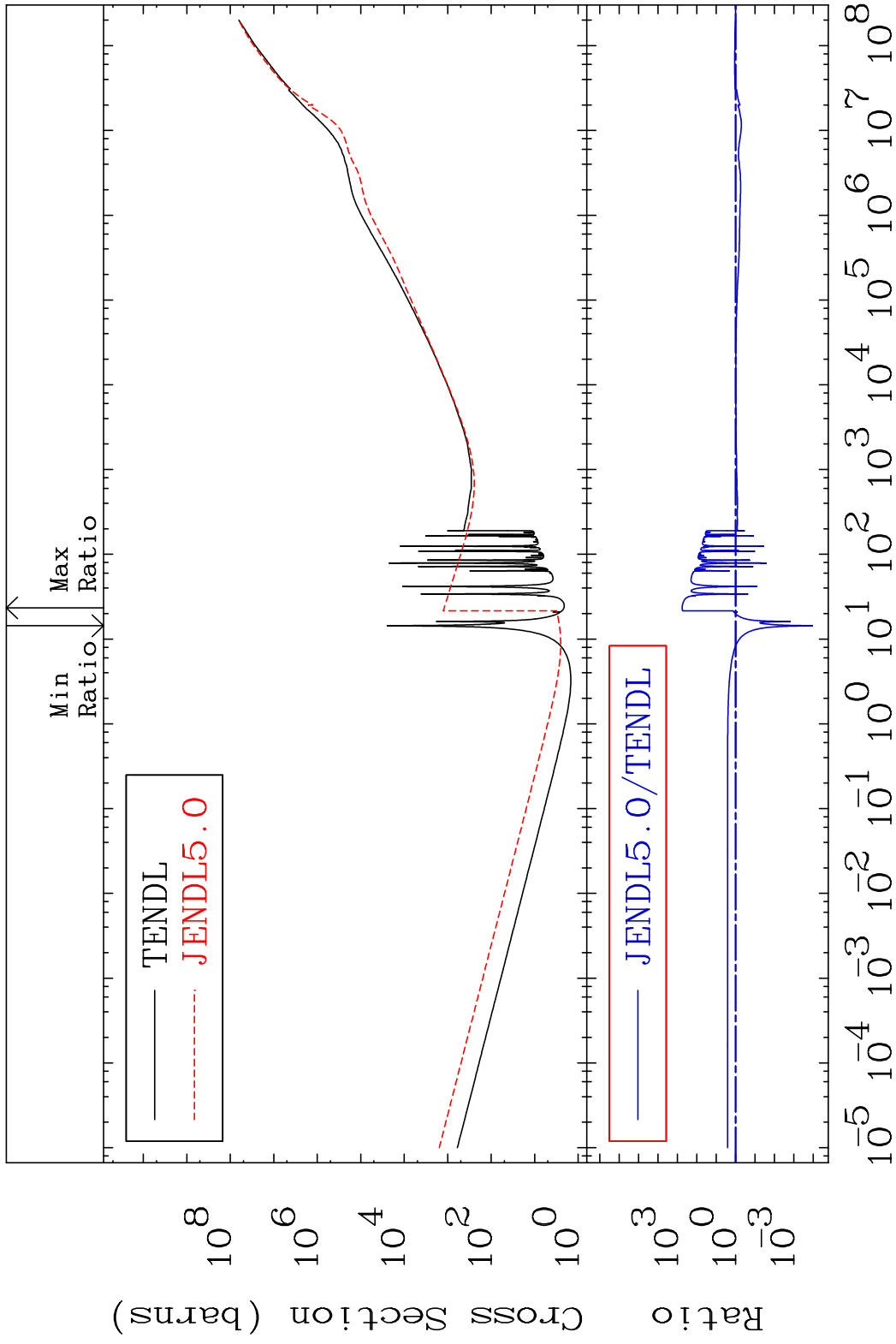
59 Incident Energy (eV) 52-Te-125m

MAT 5241 Total photon (eV-barns) 52-Te-125m
 Cross Section -100.0 To 9999. %



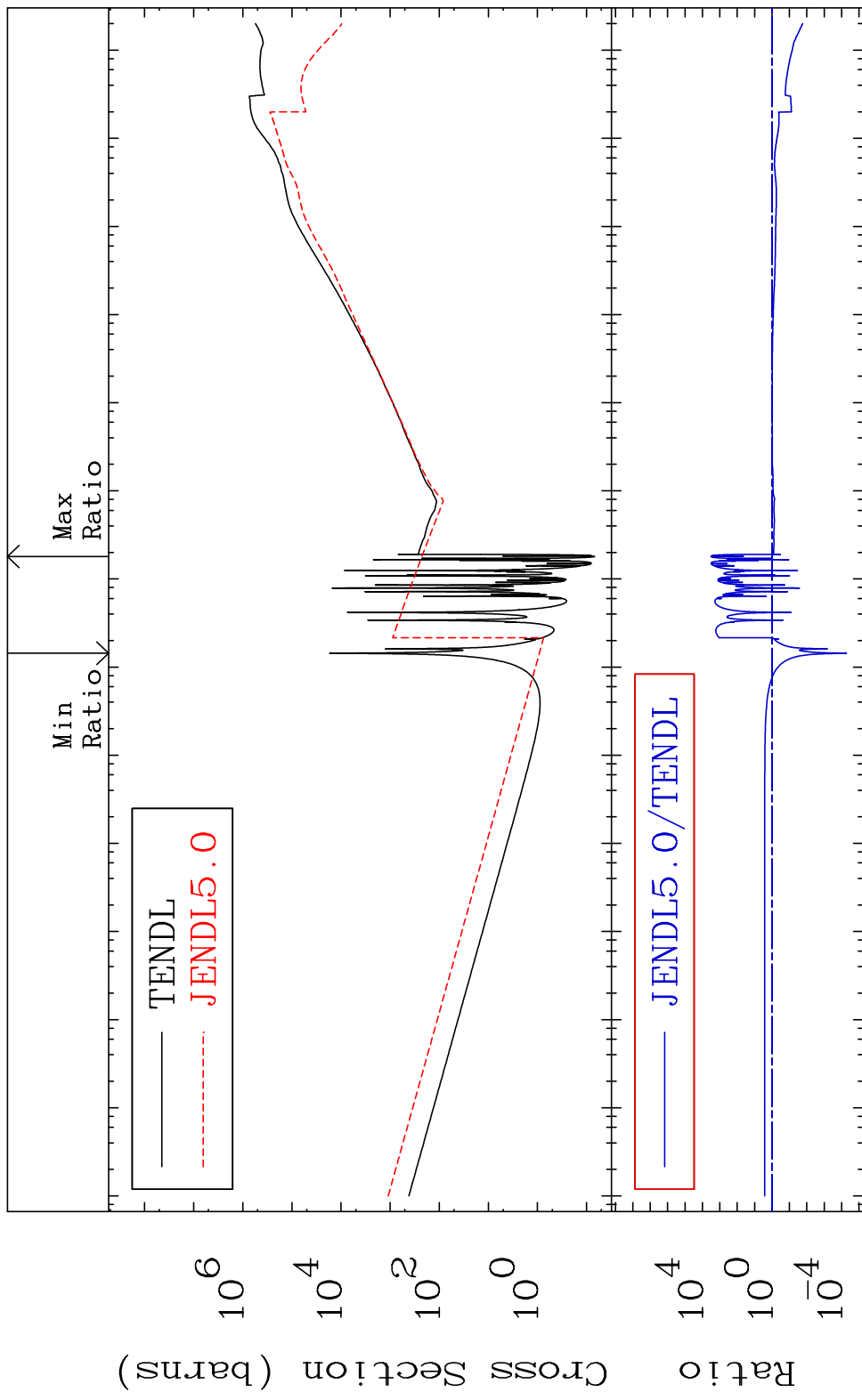
60 Incident Energy (eV) 52-Te-125m

MAT 5241 Total kinematic kerma (high limit)52-Te-125m
 Cross Section -99.99 To 9999. %



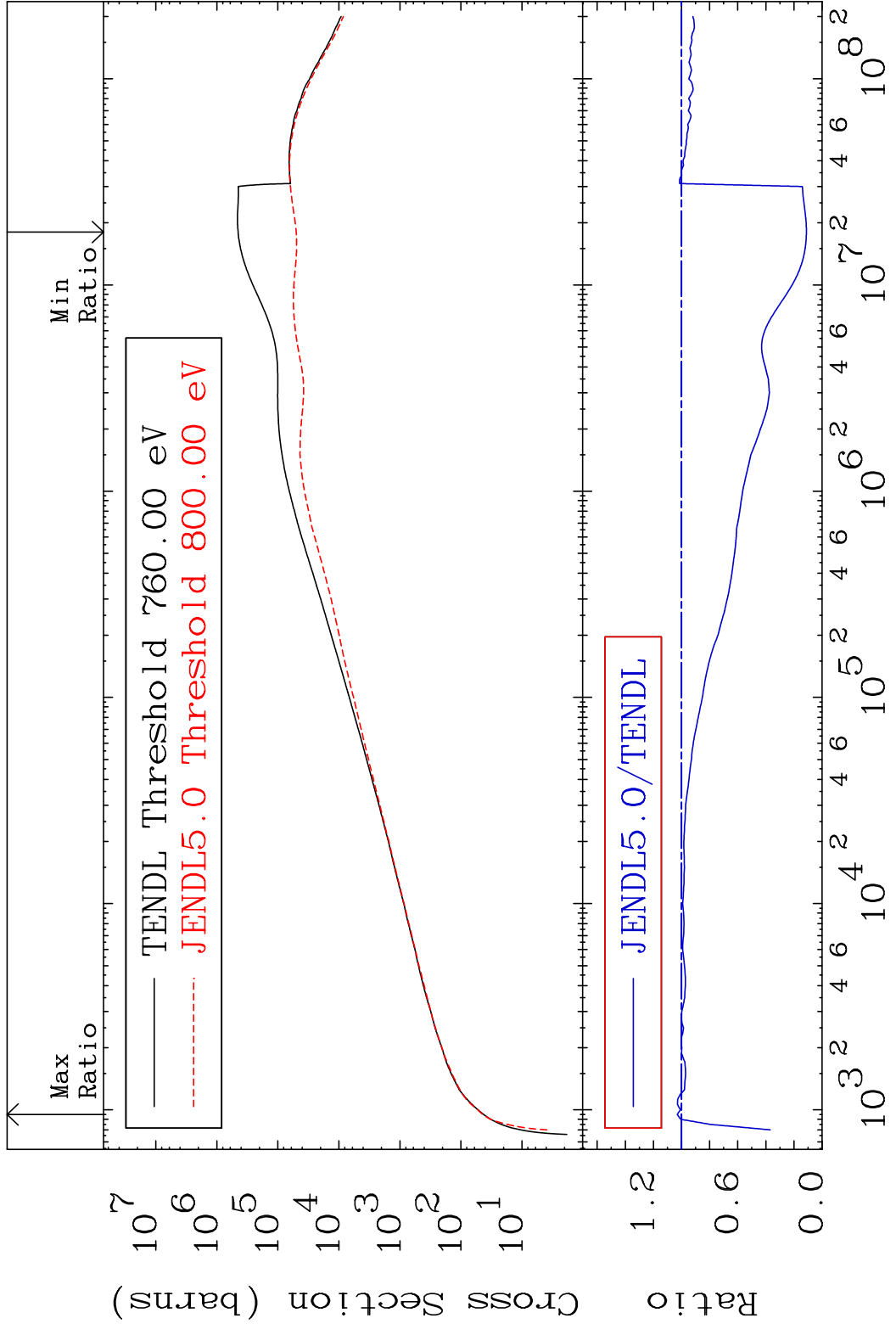
61 Incident Energy (eV) 52-Te-125m

MAT 5241 Dpa total (eV-barns) 52-Te-125m
 Cross Section -99.99 To 9999. %

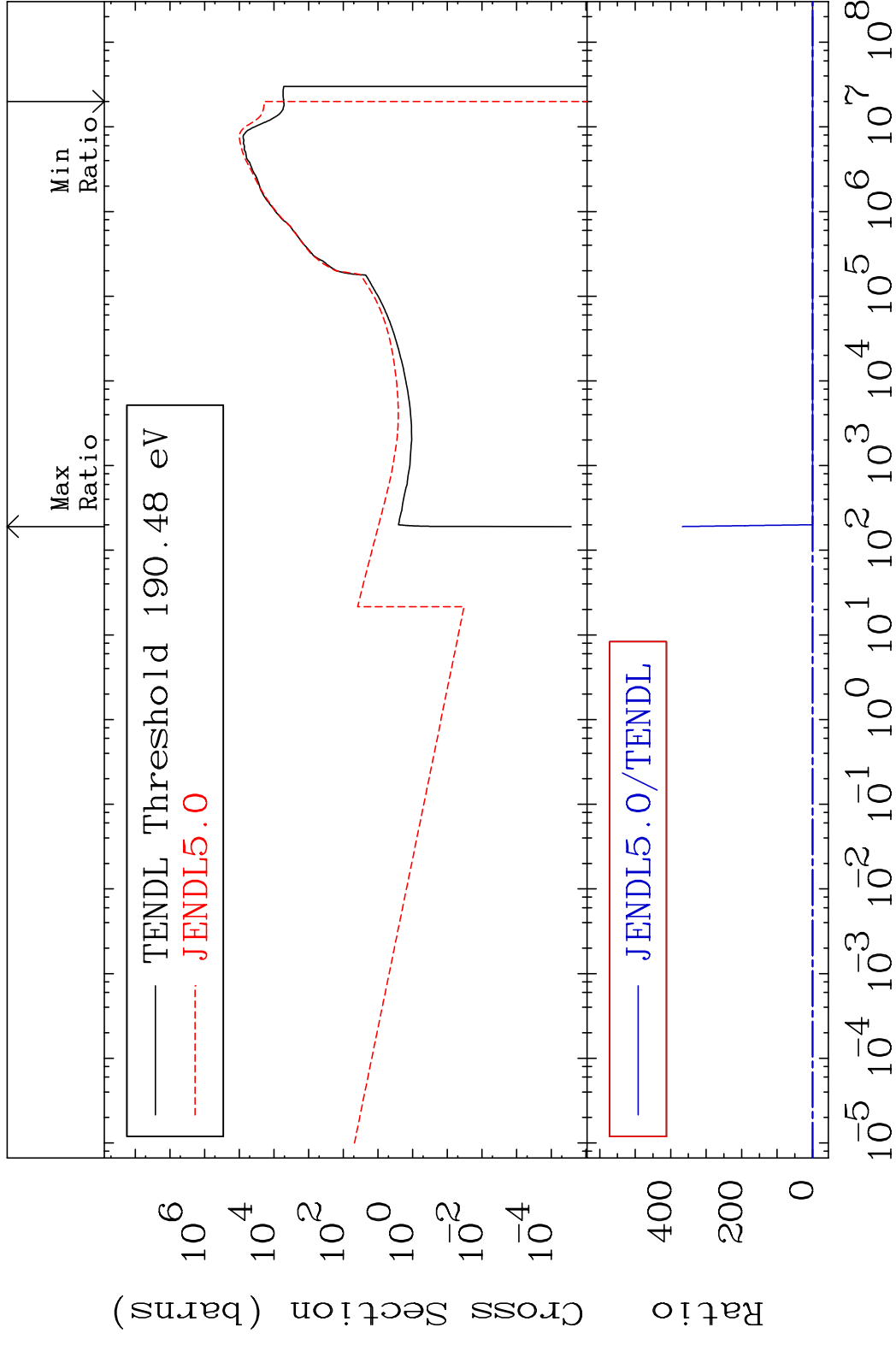


62 Incident Energy (eV) 52-Te-125m

MAT 5241 Dpa elastic (mt2) 52-Te-125m
 Cross Section -88.86 To 3.078 %

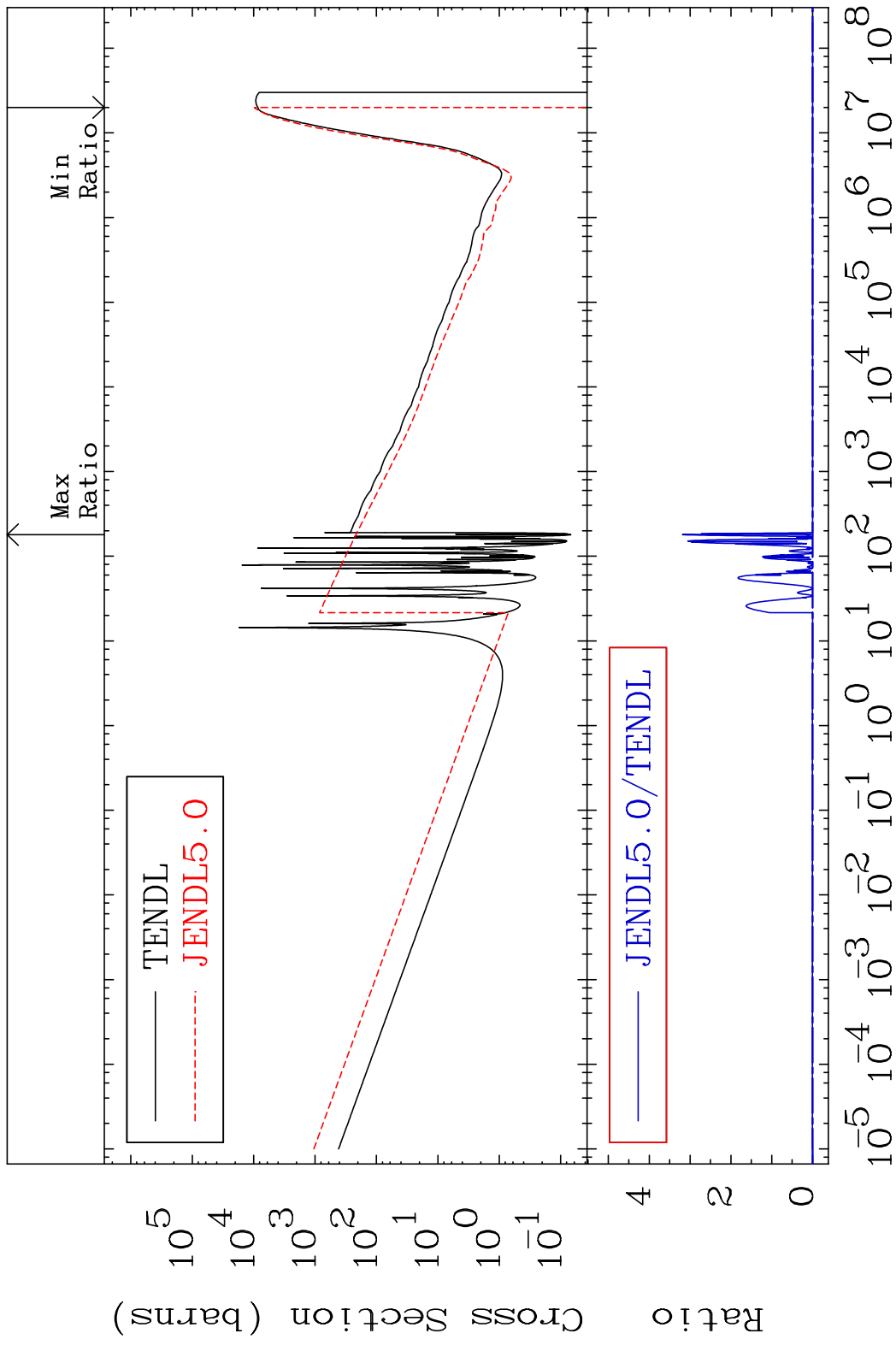


MAT 5241 Dpa inelastic (mt51-91) 52-Te-125m
 Cross Section -100.0 To 9999. %



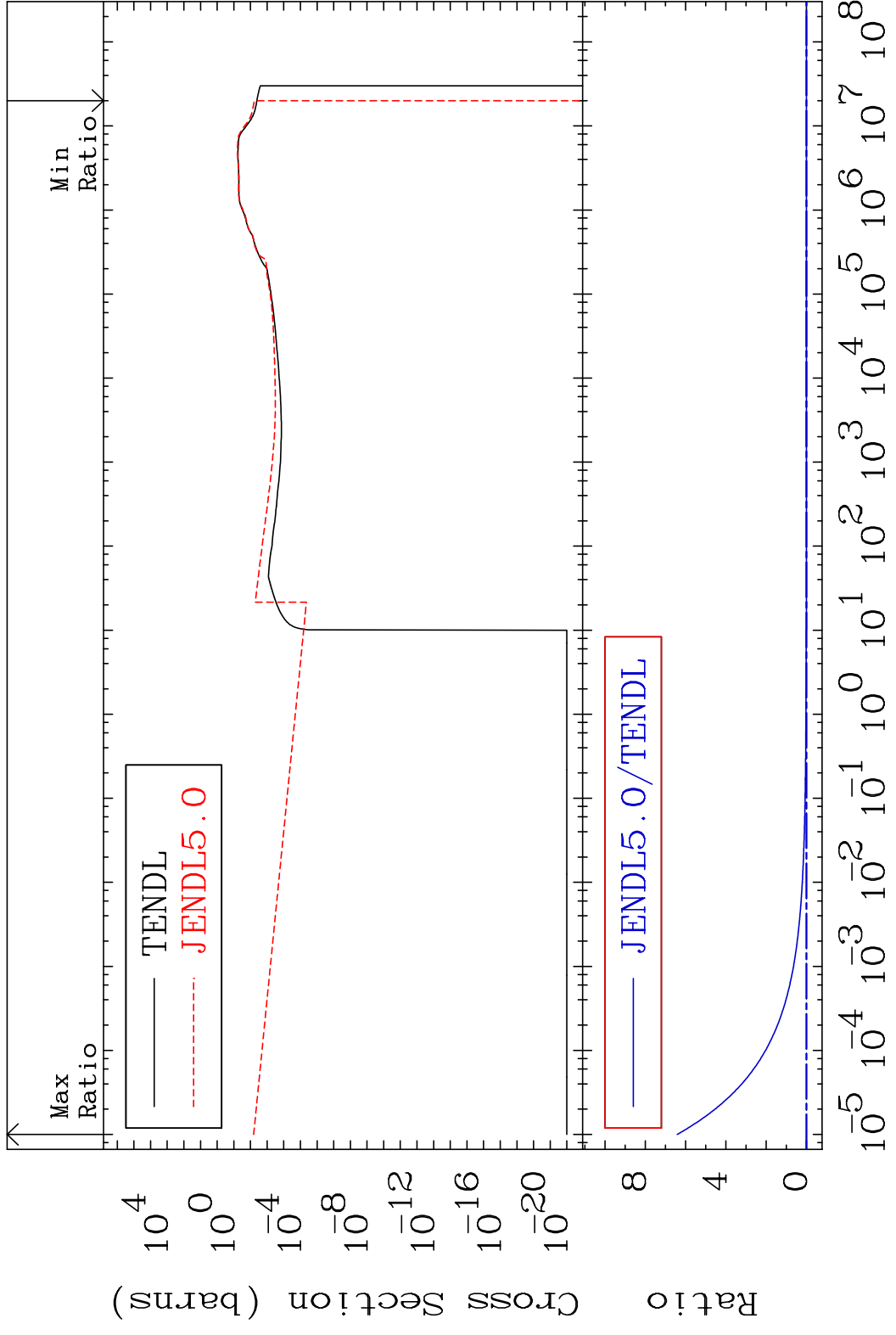
64 Incident Energy (eV) 52-Te-125m

MAT 5241 Dpa disappearance (mt102 -120) 52-Te-125m
 Cross Section -100.0 To 9999. %



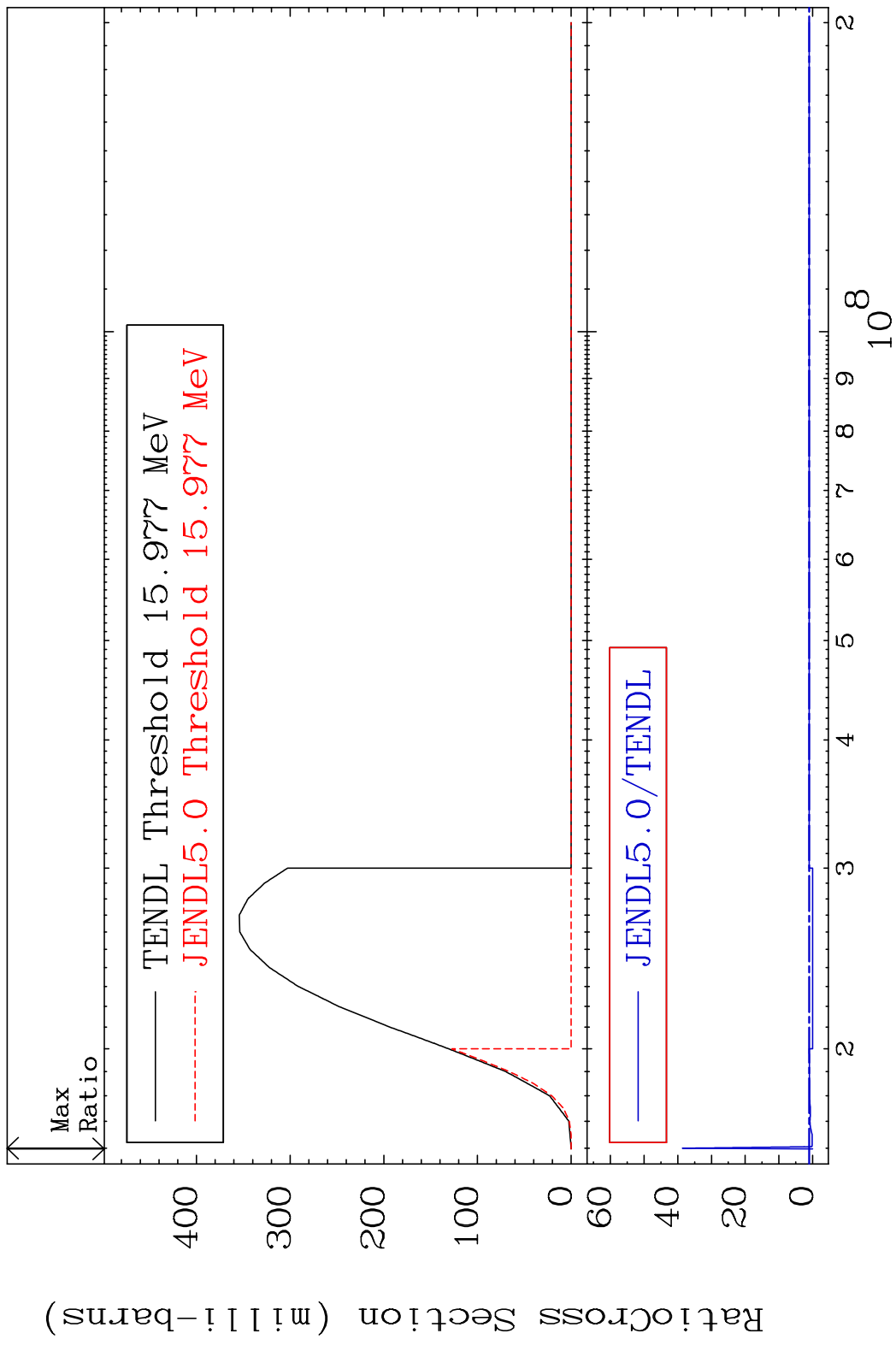
65 Incident Energy (eV) 52-Te-125m

MAT 5241 Inelastic:52-Te-125g 52-Te-125m
 Radionuclide Production Cross Section 10000.0 to 9999.0 %

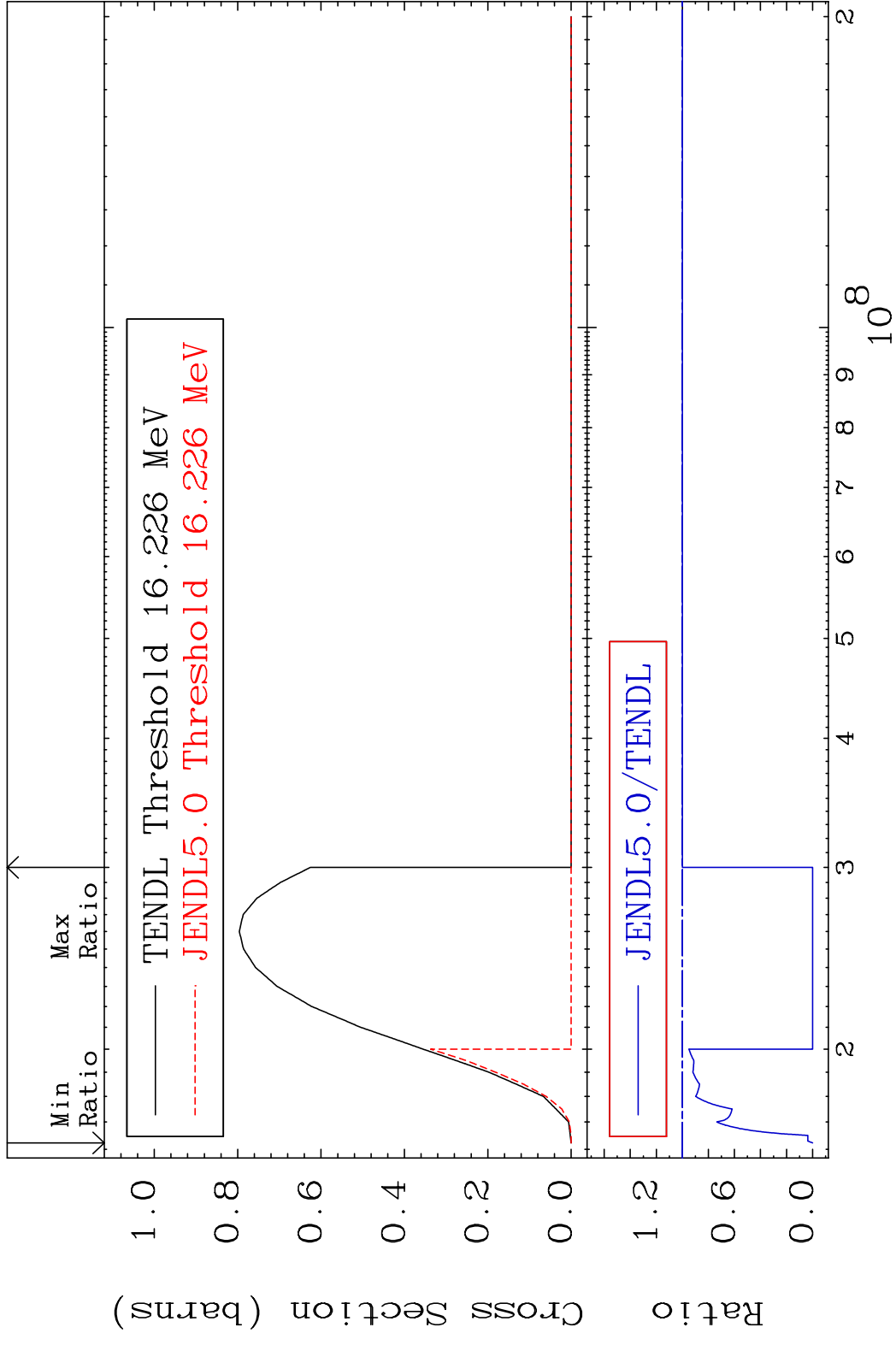


66 Incident Energy (eV) 52-Te-125m

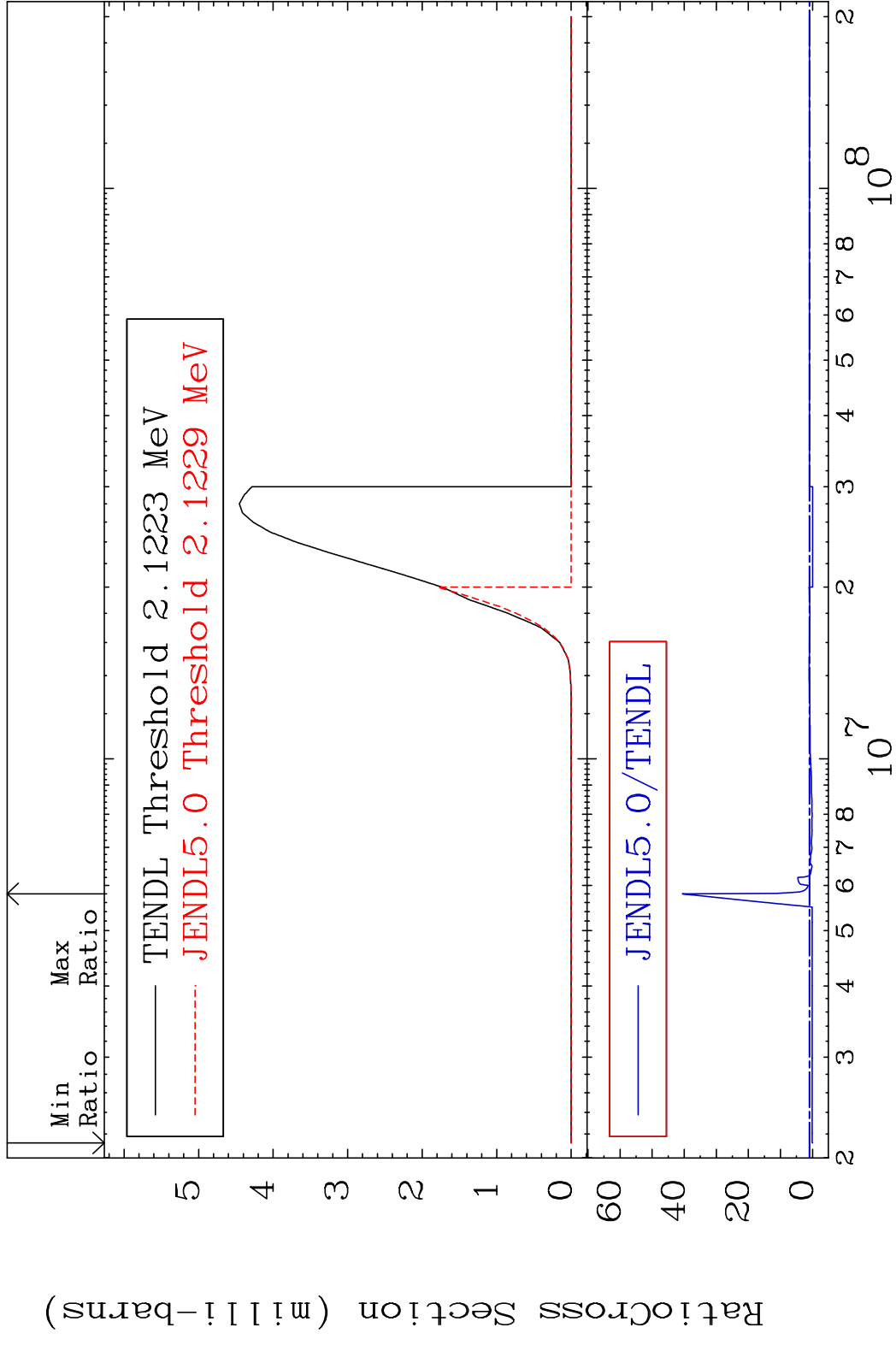
MAT 5241 (n,3n):52-Te-123g 52-Te-125m
 Radionuclide Production Cross Section 180.01 dth 3765. %



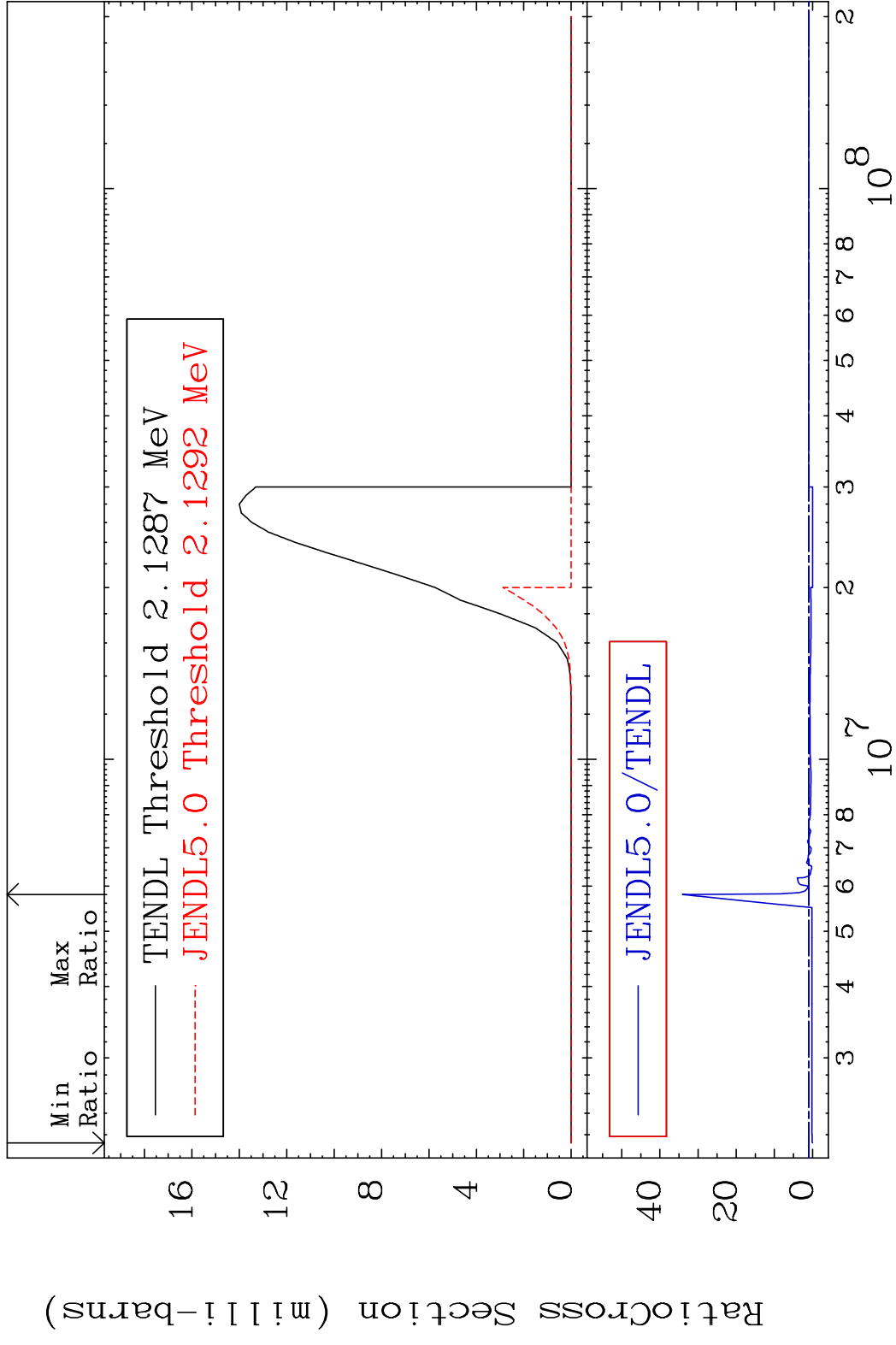
MAT 5241 (n, 3n):52-Te-123m2 52-Te-125m
 Radionuclide Production Cross Section 180.00 dth 0.000 %



MAT 5241 (n, n') α :50-Sn-121g 52-Te-125m
 Radionuclide Production Cross Section to 3957. %

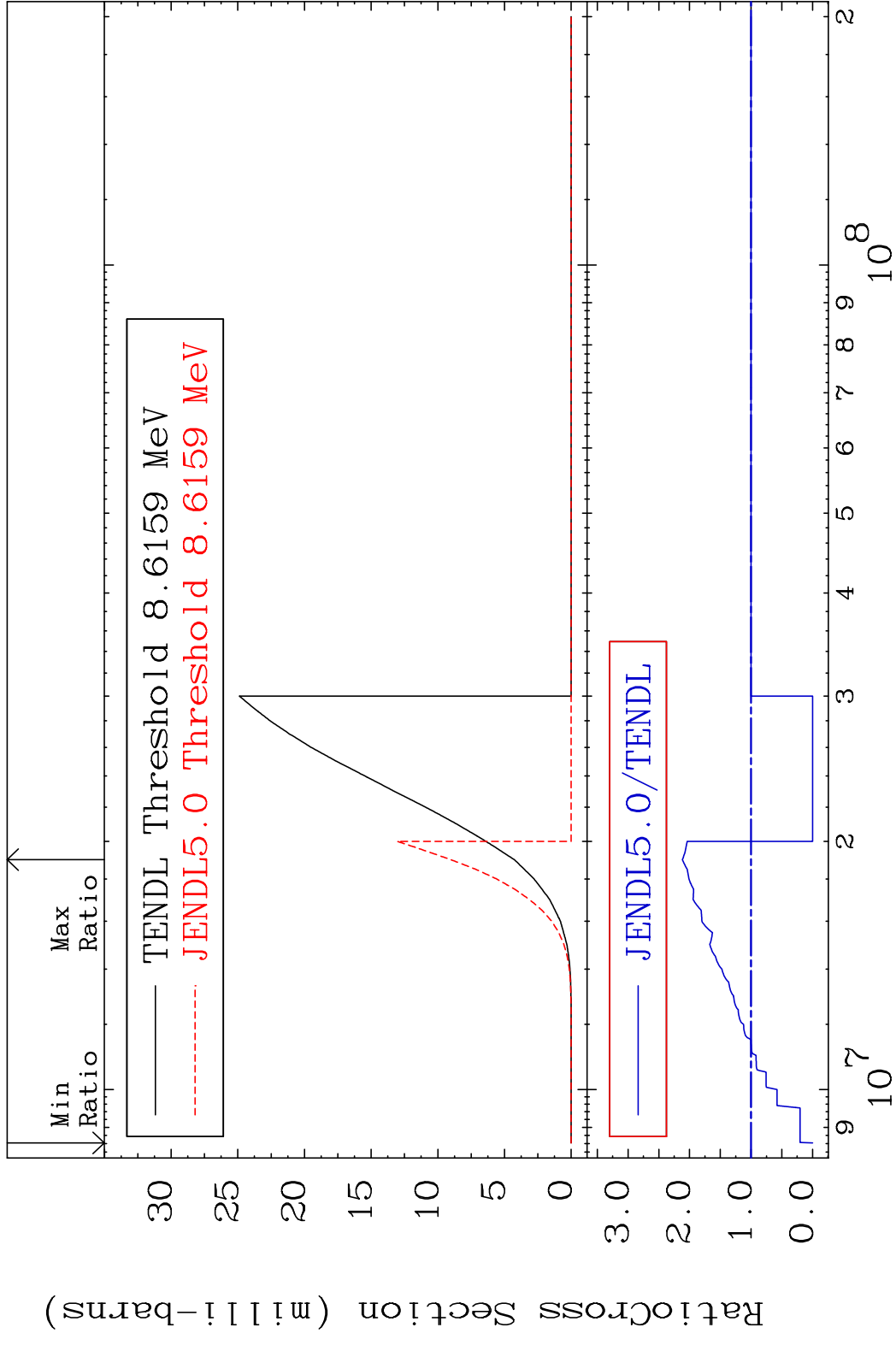


MAT 5241 (n, n') α :50-Sn-121m1 52-Te-125m
 Radionuclide Production Cross Section to 3311. %

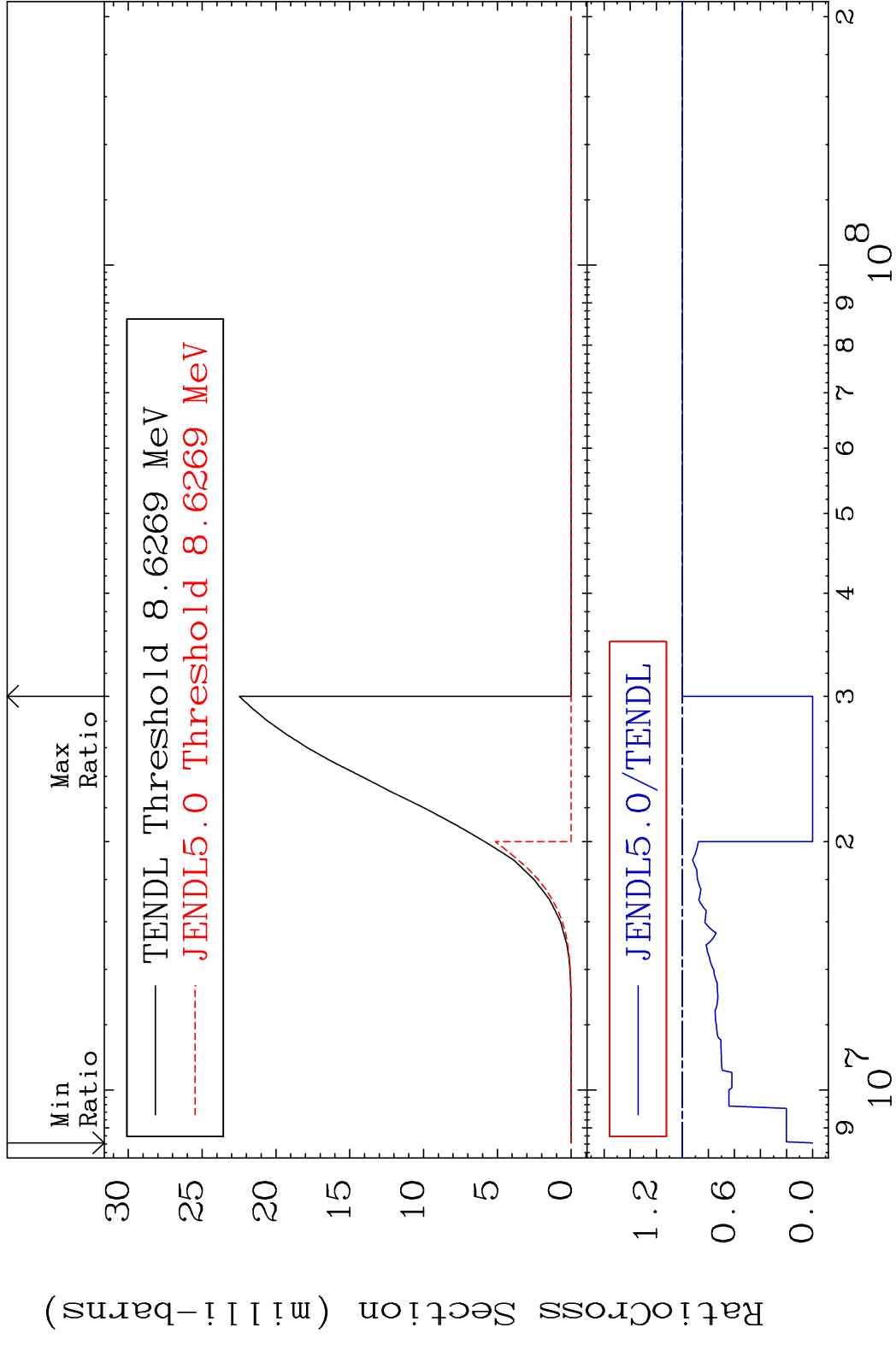


70 Incident Energy (eV) 52-Te-125m

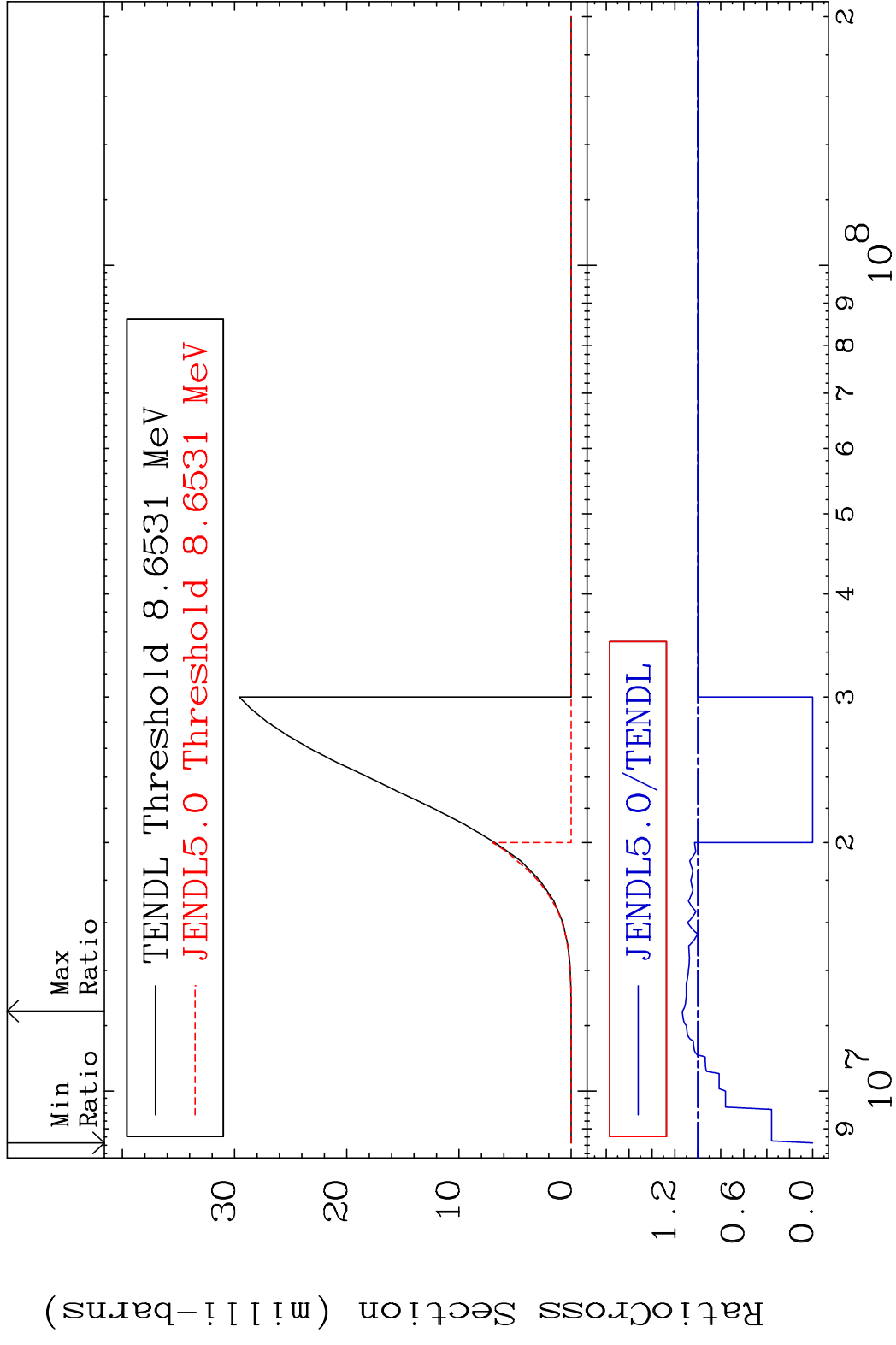
MAT 5241 (n, n') p:51-Sb-124g 52-Te-125m
 Radionuclide Production Cross Section 180.0 dth 111.7 %



MAT 5241 (n, n') p:51-Sb-124m1 52-Te-125m
 Radionuclide Production Cross Section 180.0 mb 0.000 %

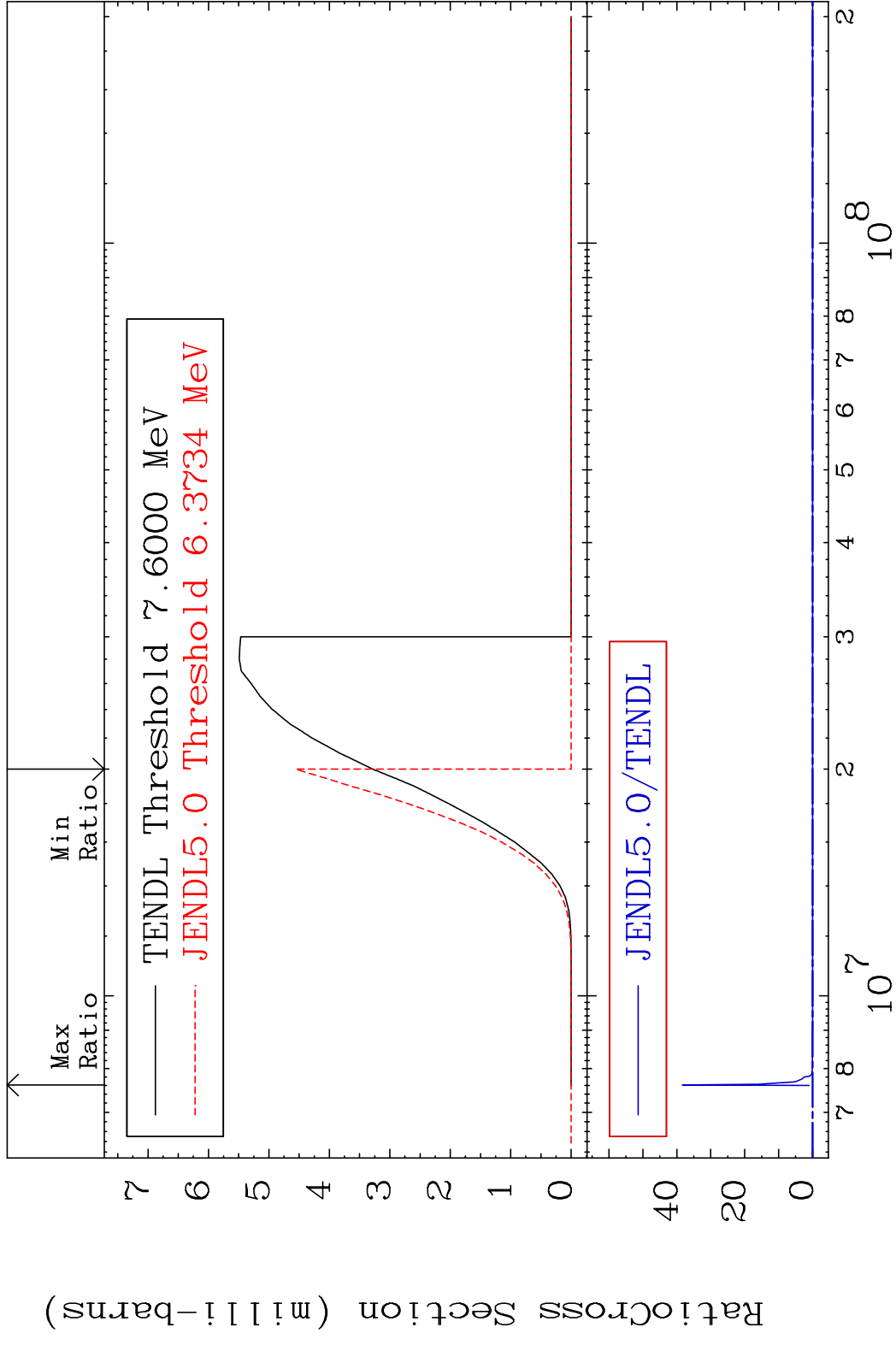


MAT 5241 (n, n') p:51-Sb-124m2 52-Te-125m
 Radionuclide Production Cross Section to Incident Ratio 13.54 %

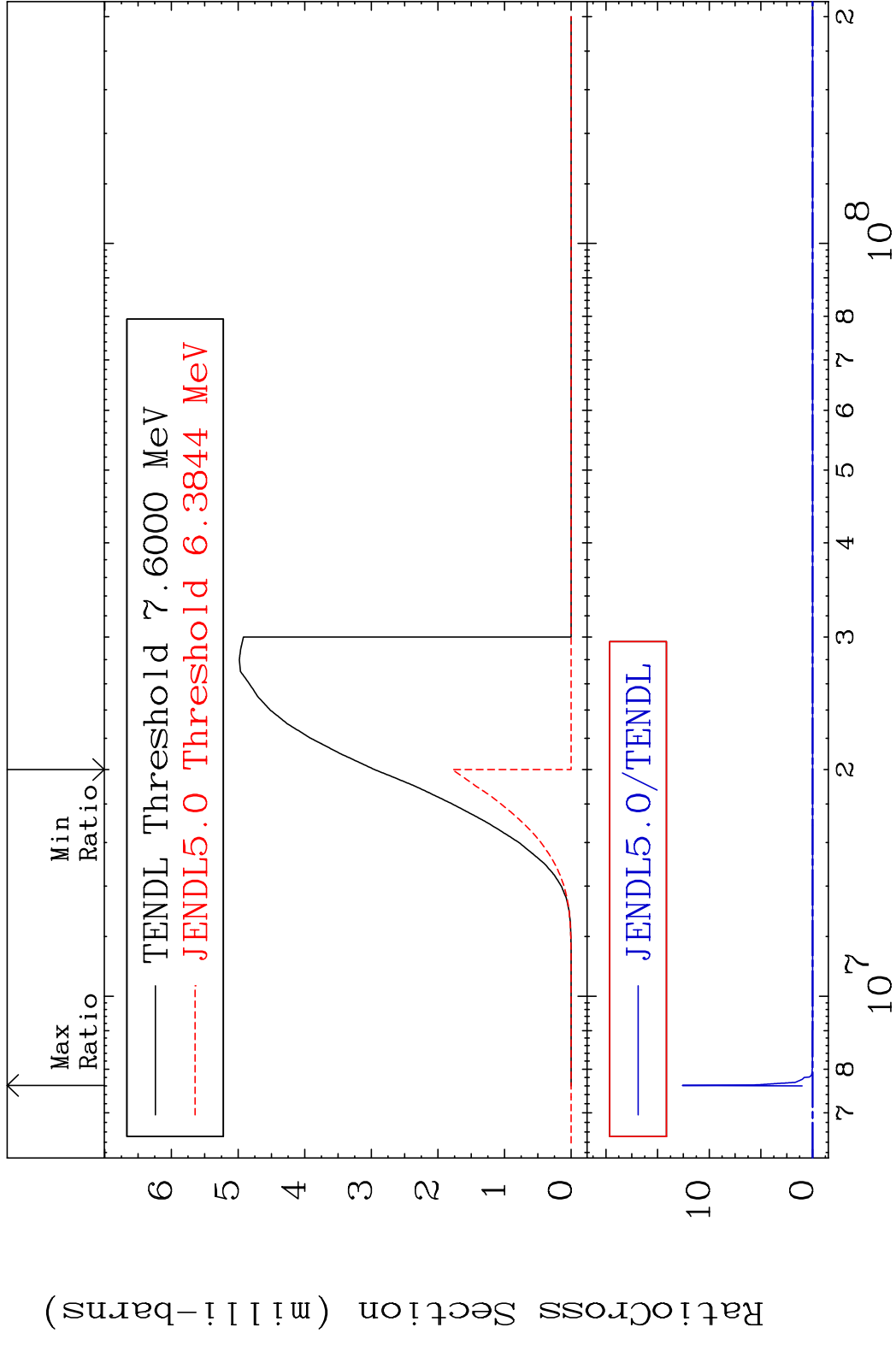


73 Incident Energy (eV) 52-Te-125m

MAT 5241 (n,d):51-Sb-124g 52-Te-125m
 Radionuclide Production Cross Section to 9999. %

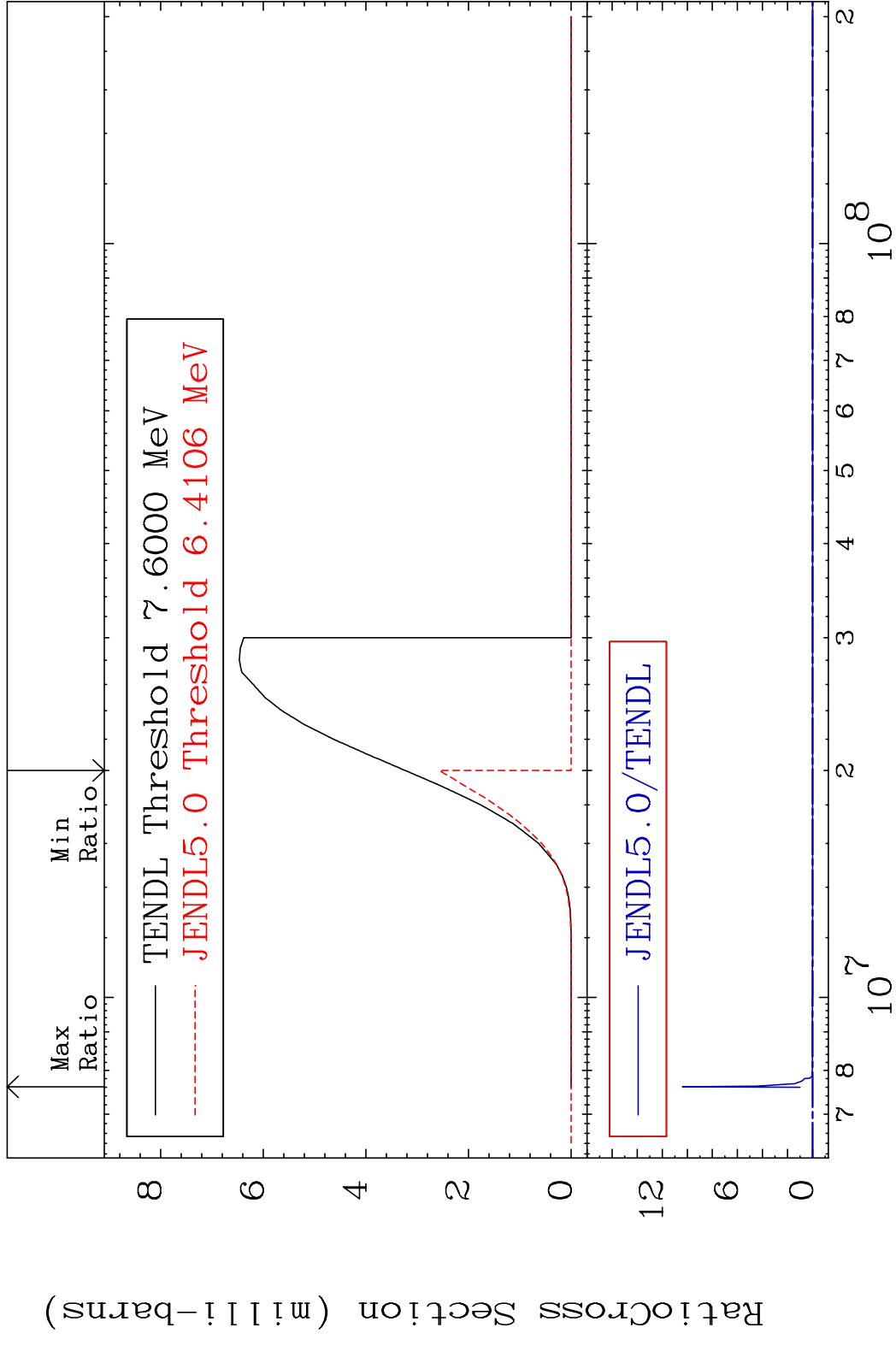


MAT 5241 (n, d):51-Sb-124m1 52-Te-125m
 Radionuclide Production Cross Section to 9999. %



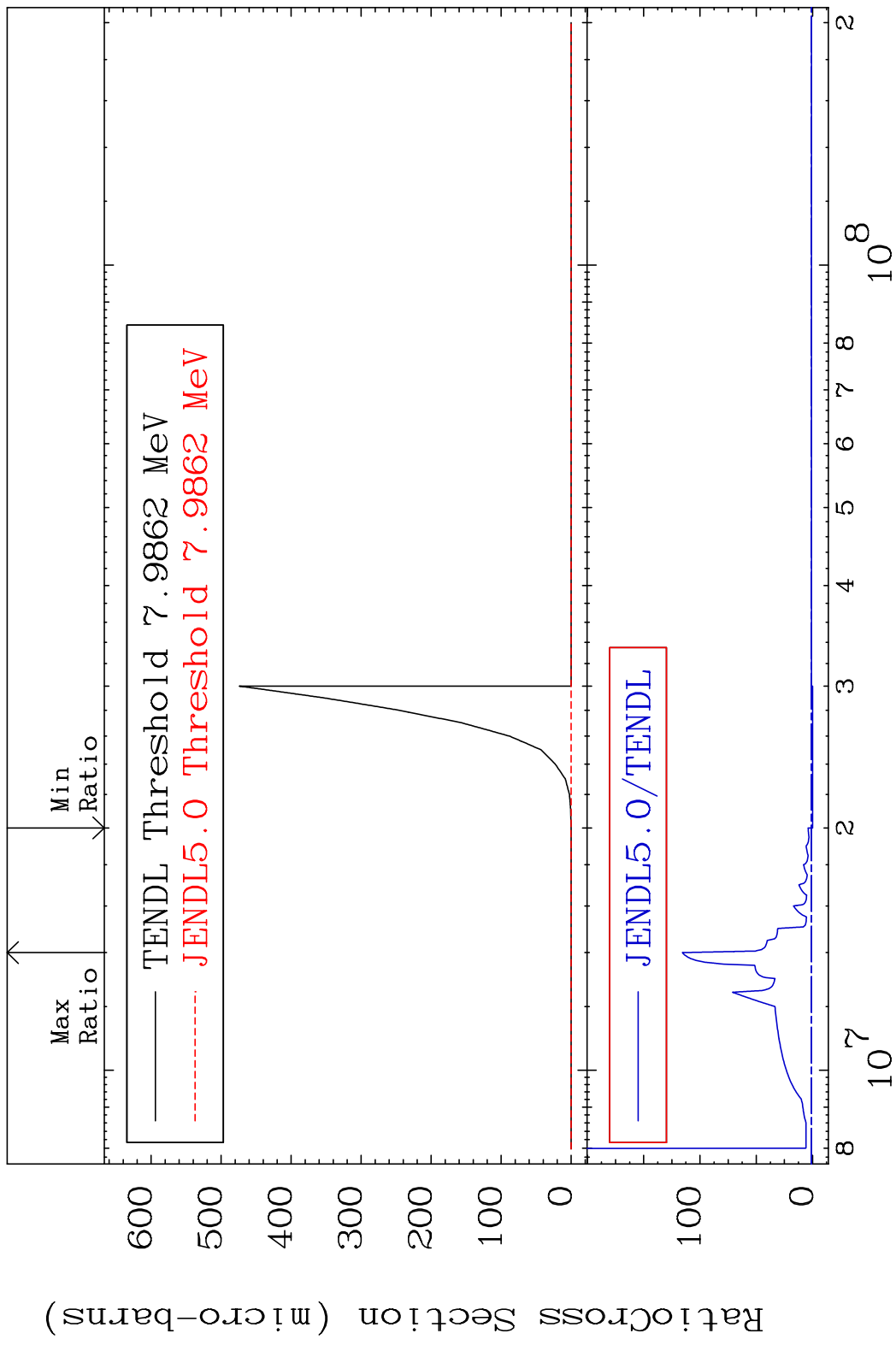
75 Incident Energy (eV) 52-Te-125m

MAT 5241 (n, d):51-Sb-124m2 52-Te-125m
 Radionuclide Production Cross Section to 9999. %

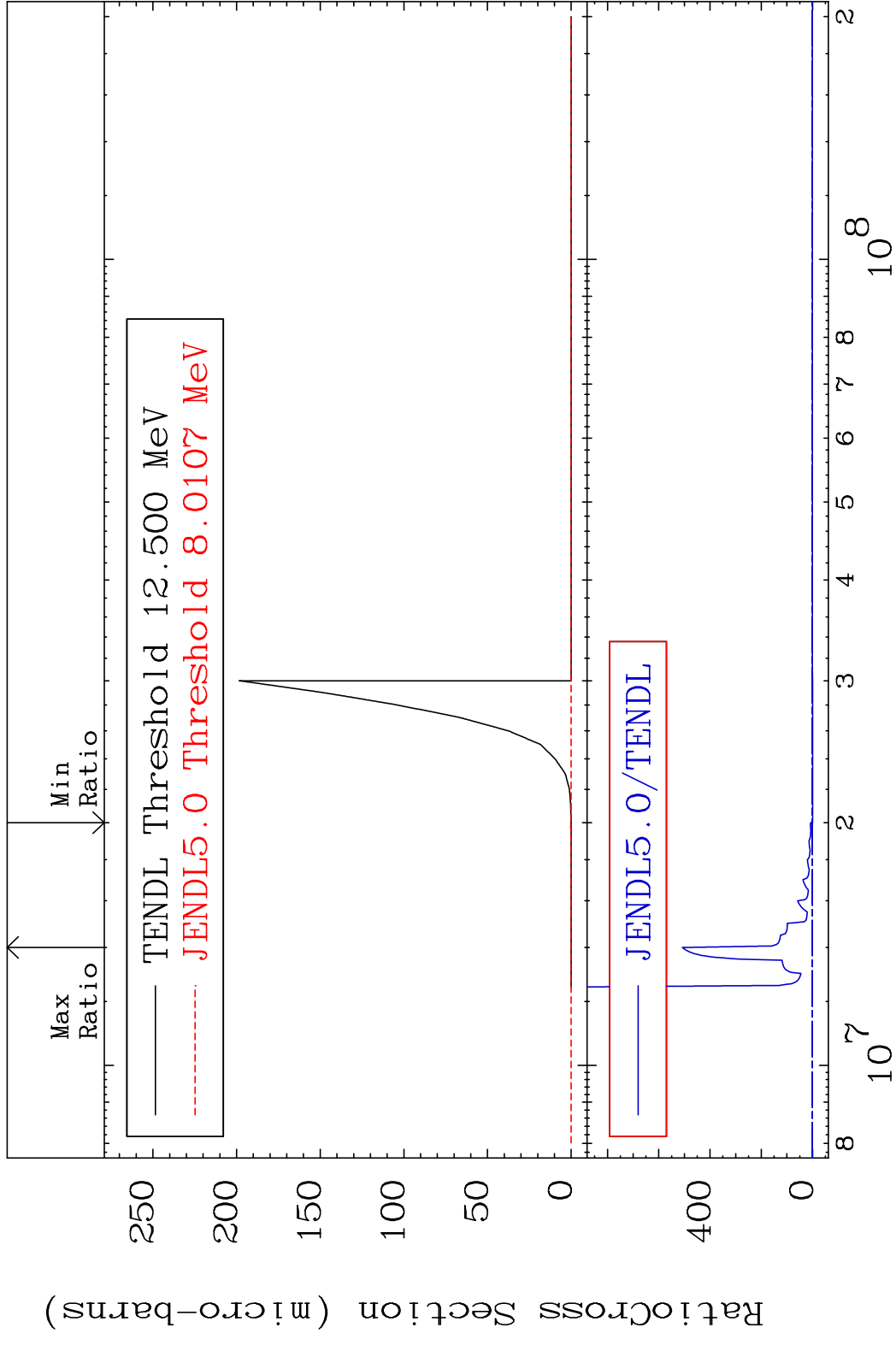


76 Incident Energy (eV) 52-Te-125m

MAT 5241 (n, He-3):50-Sn-123g 52-Te-125m
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5241 (n, He-3) : 50-Sn-123m1 52-Te-125m
 Radionuclide Production Cross Section 100.0000 to 9999.9999 %



78 Incident Energy (eV) 52-Te-125m