

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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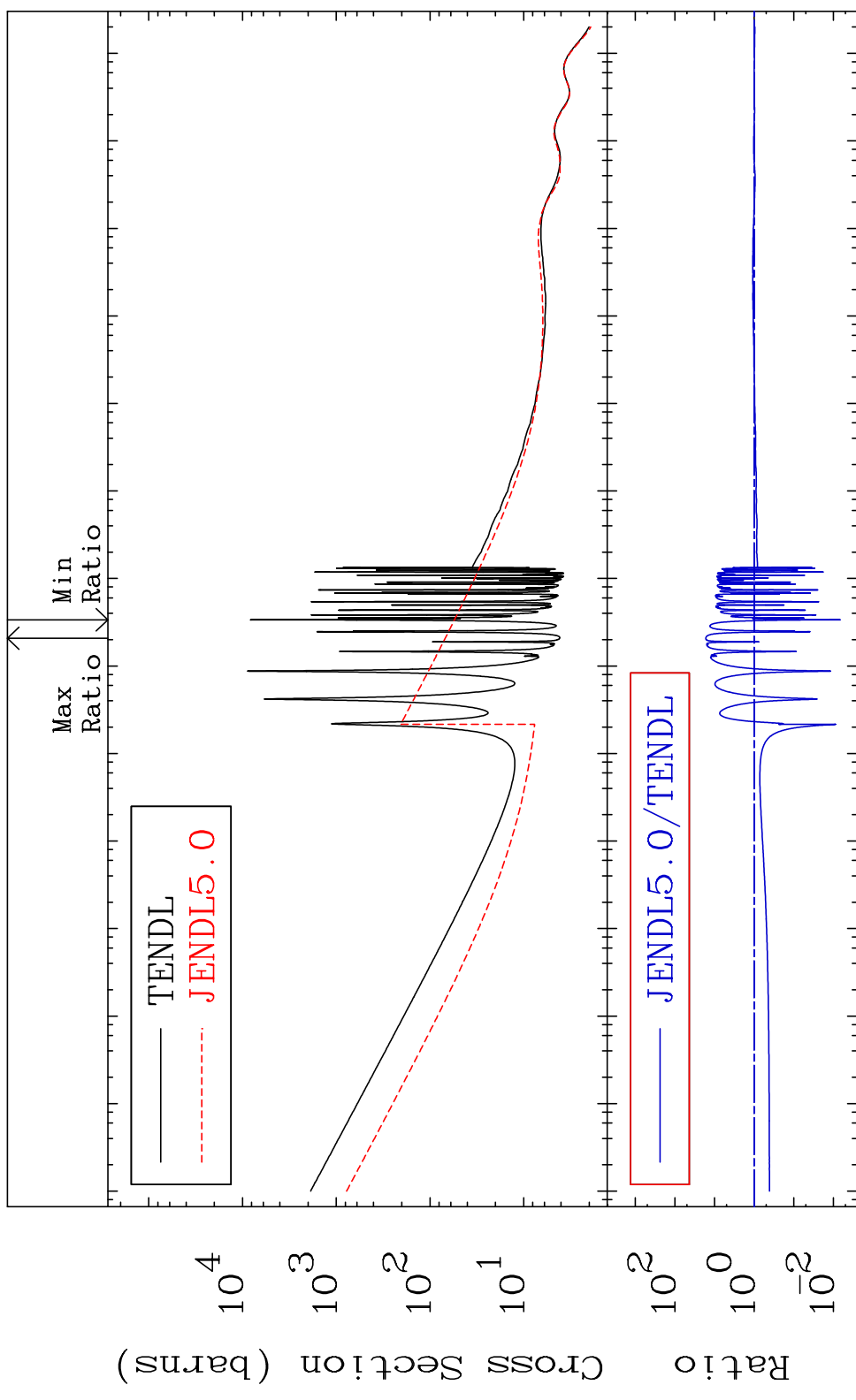
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5128

Total Cross Section -99.33 To 1570. %

51-Sb-122



1

Incident Energy (eV)

51-Sb-122

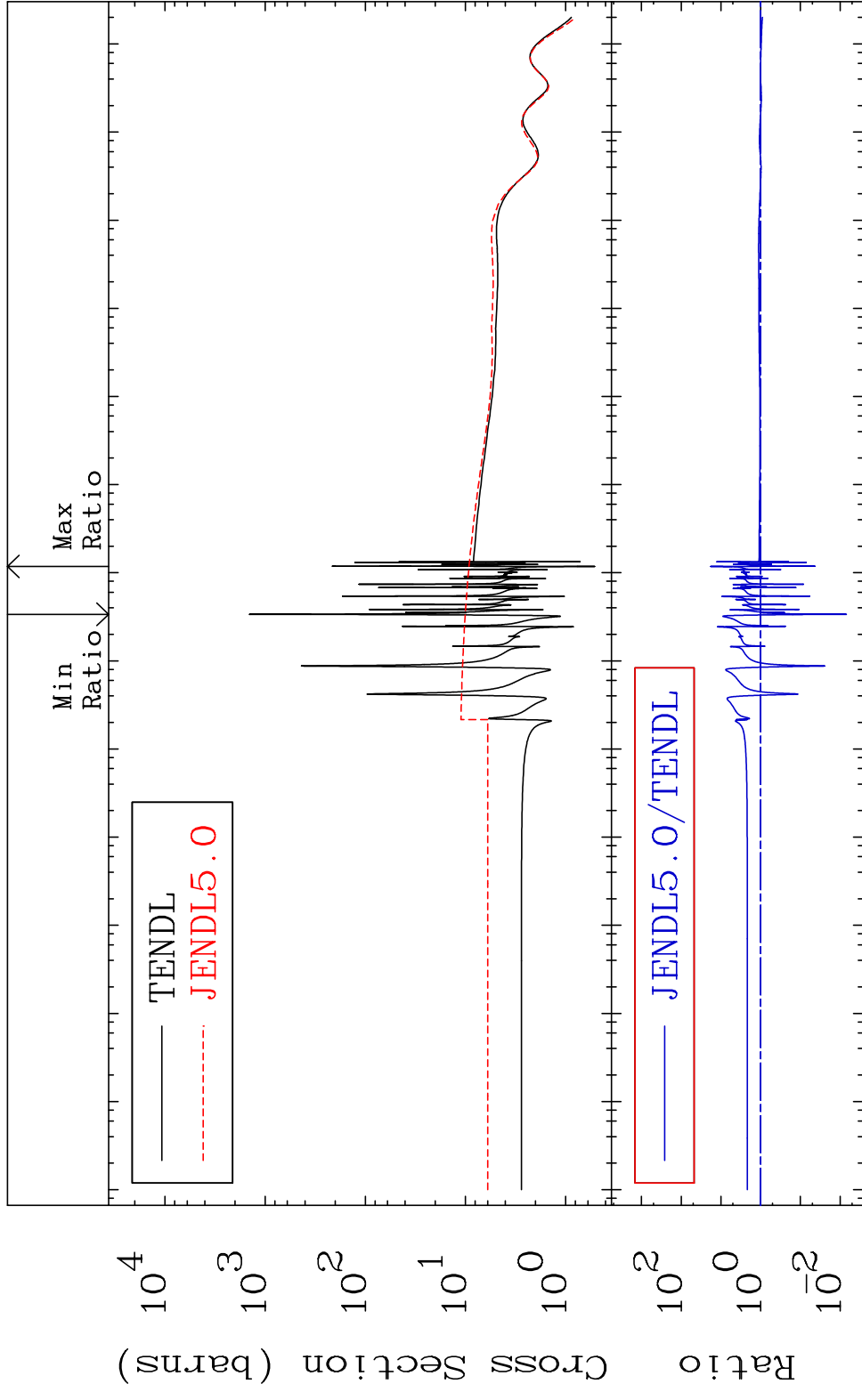
MAT 5128

Elastic

51-Sb-122

Cross Section

-99.30 To 1707. %



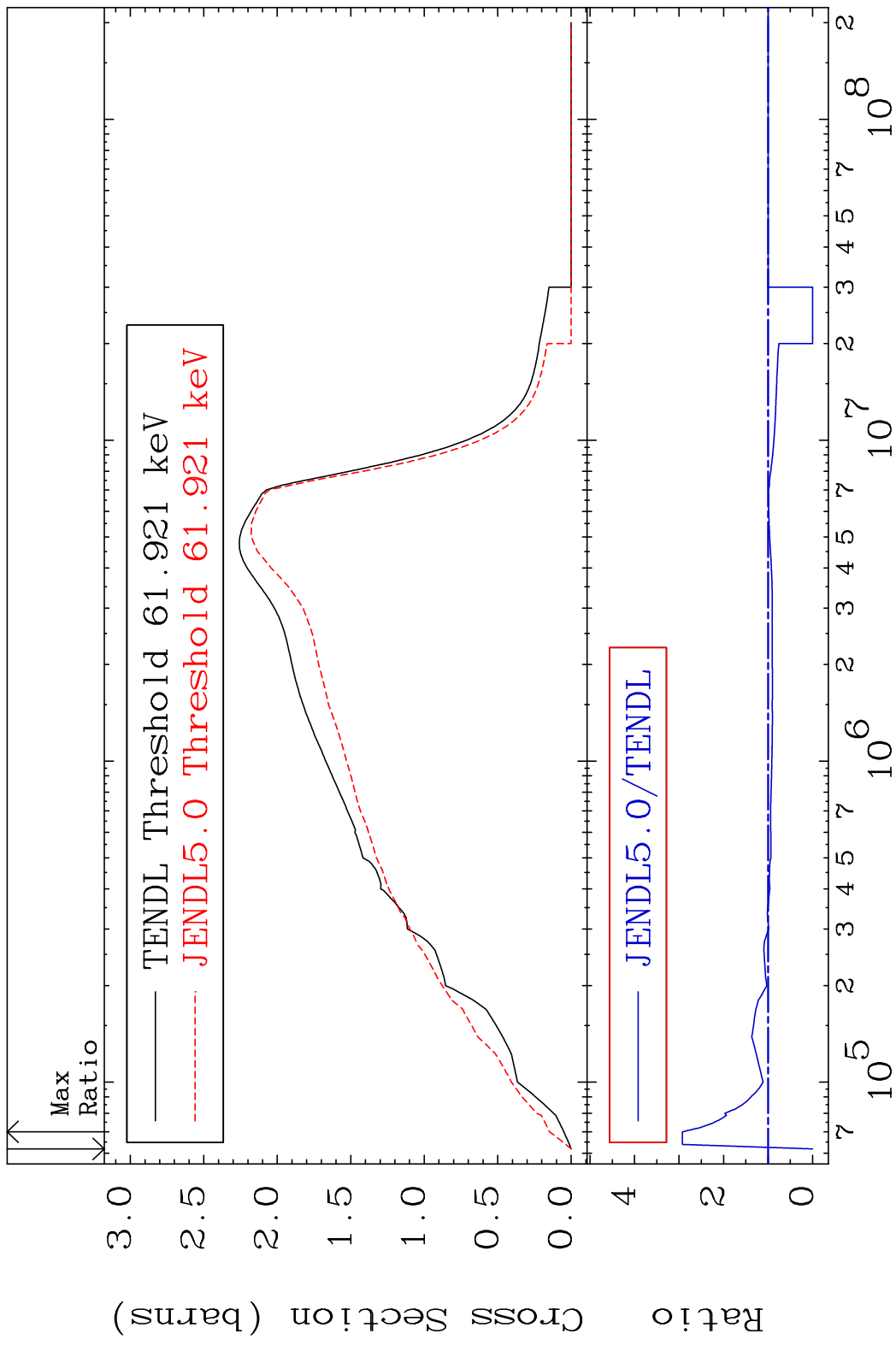
10⁴
10³
10²
10¹
10⁰
10⁻²
10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

51-Sb-122

MAT 5128 Inelastic 51-Sb-122
 Cross Section -100.0 To 192.6 %



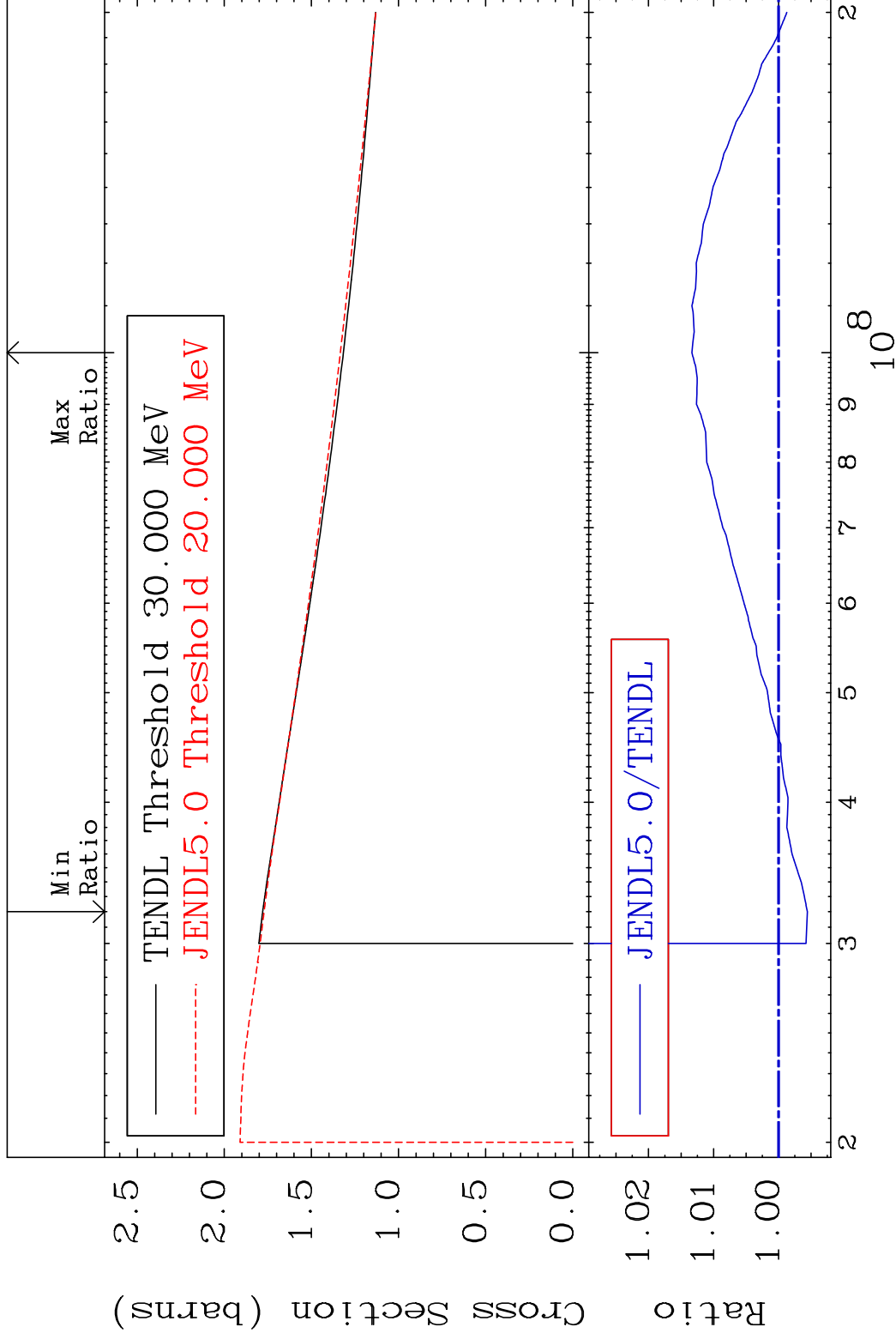
3 Incident Energy (eV) 51-Sb-122

MAT 5128

(n, remainder)

51-Sb-122

Cross Section -0.443 To 1.334 %



4

Incident Energy (eV)

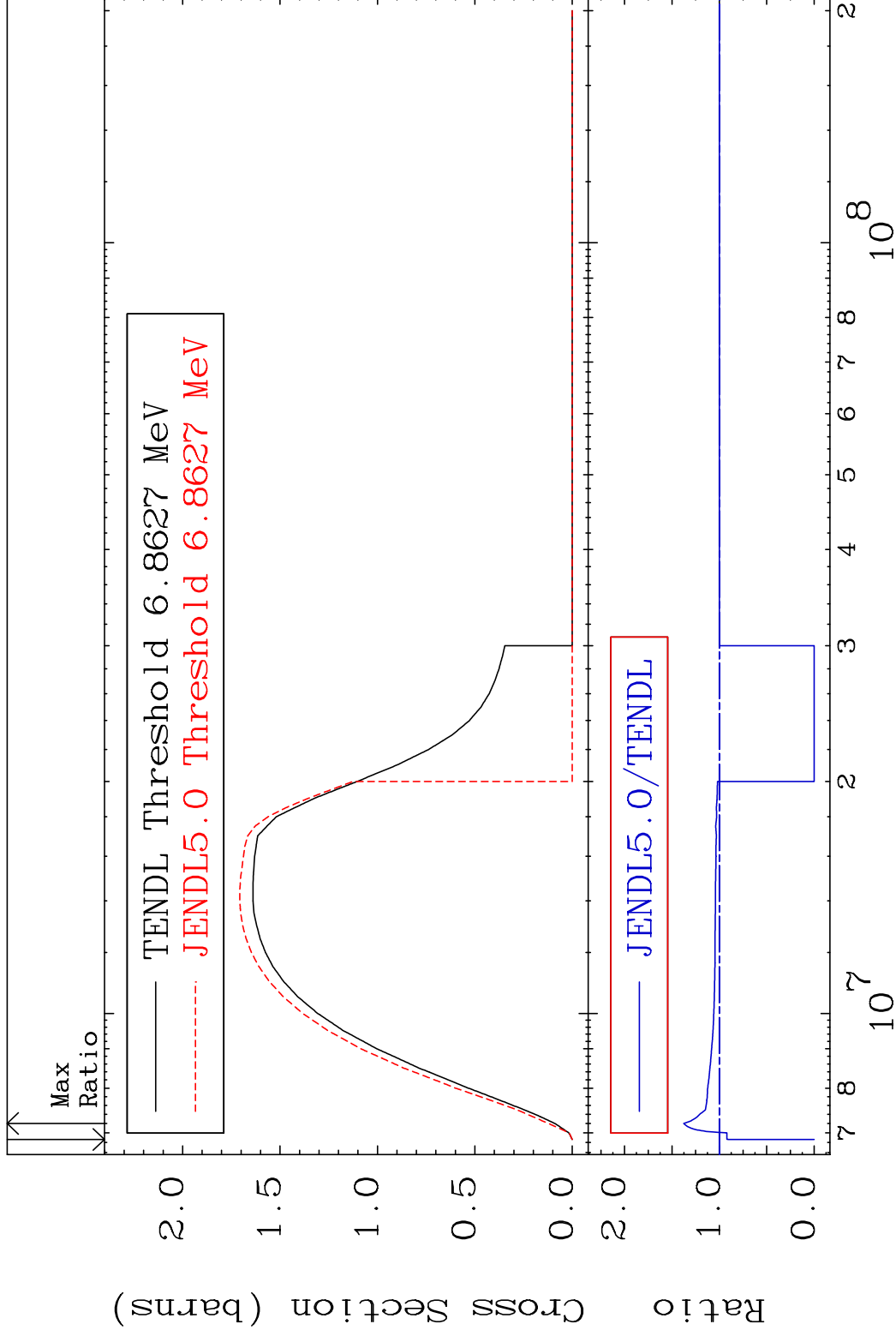
51-Sb-122

MAT 5128

(n,2n)

51-Sb-122

Cross Section -100.0 To 37.67 %



5

Incident Energy (eV)

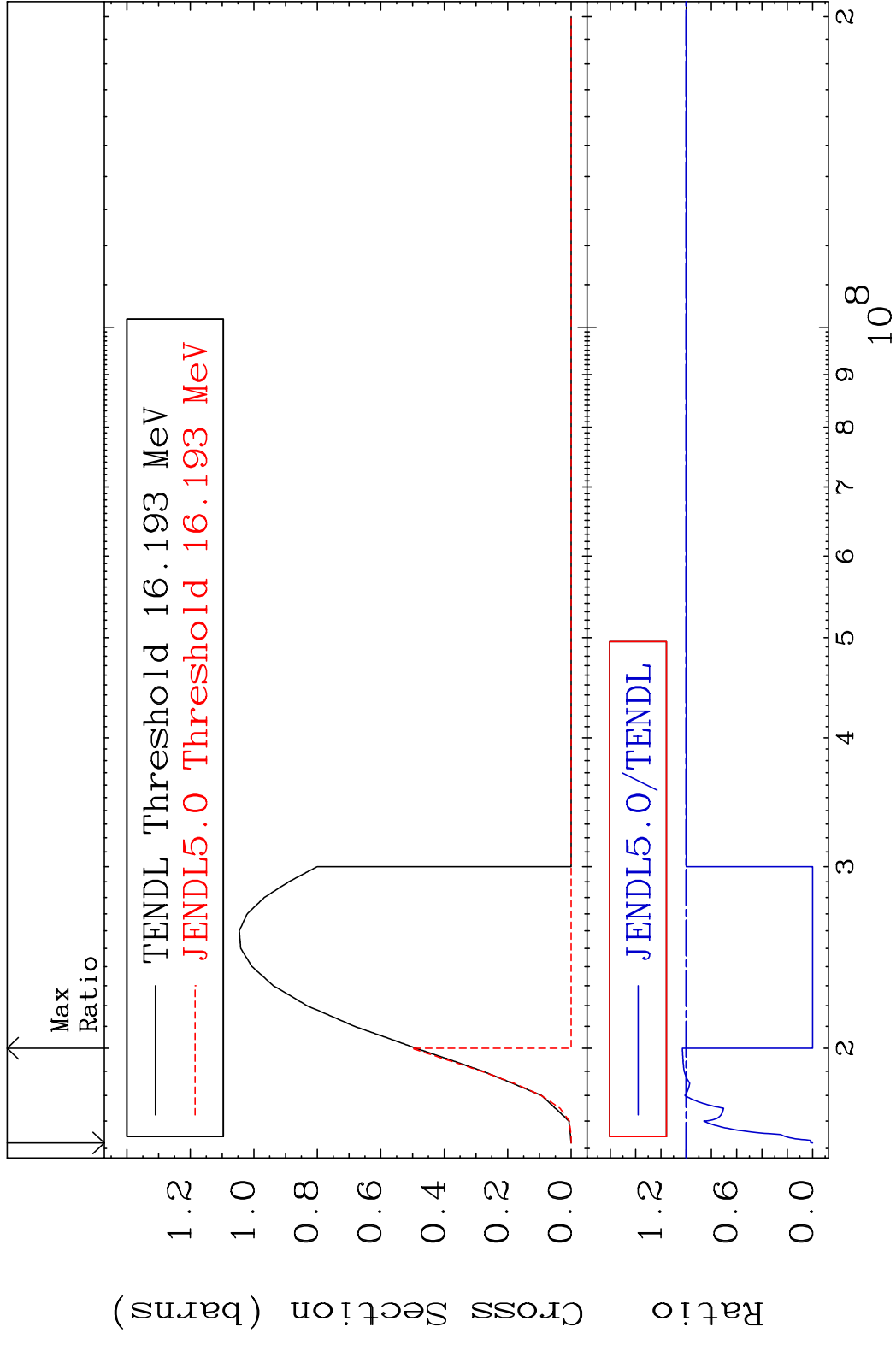
51-Sb-122

MAT 5128

(n,3n)

51-Sb-122

Cross Section -100.0 To 3.011 %

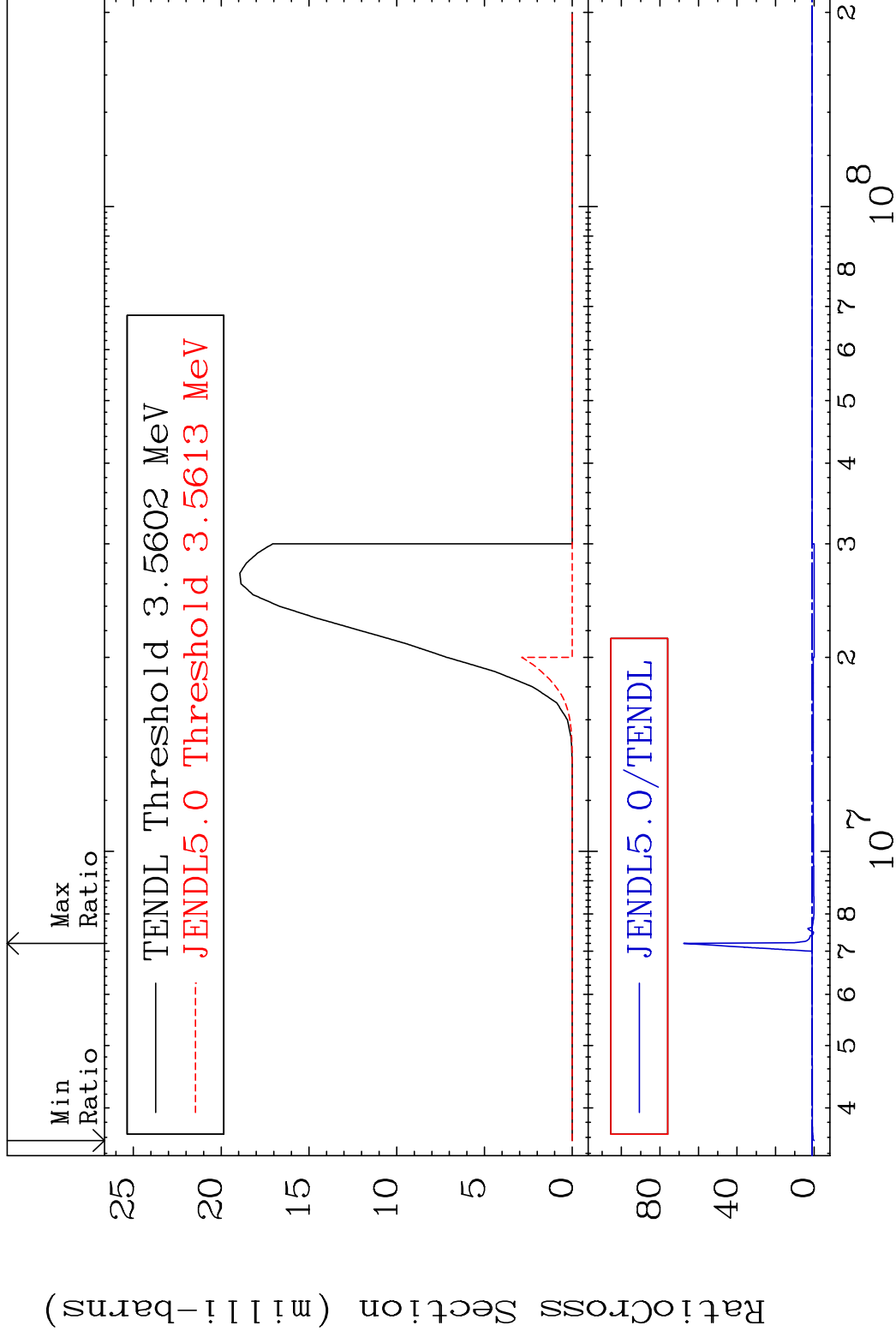


MAT 5128

(n, n') α

51-Sb-122

Cross Section -100.0 To 6670. %



7

Incident Energy (eV)

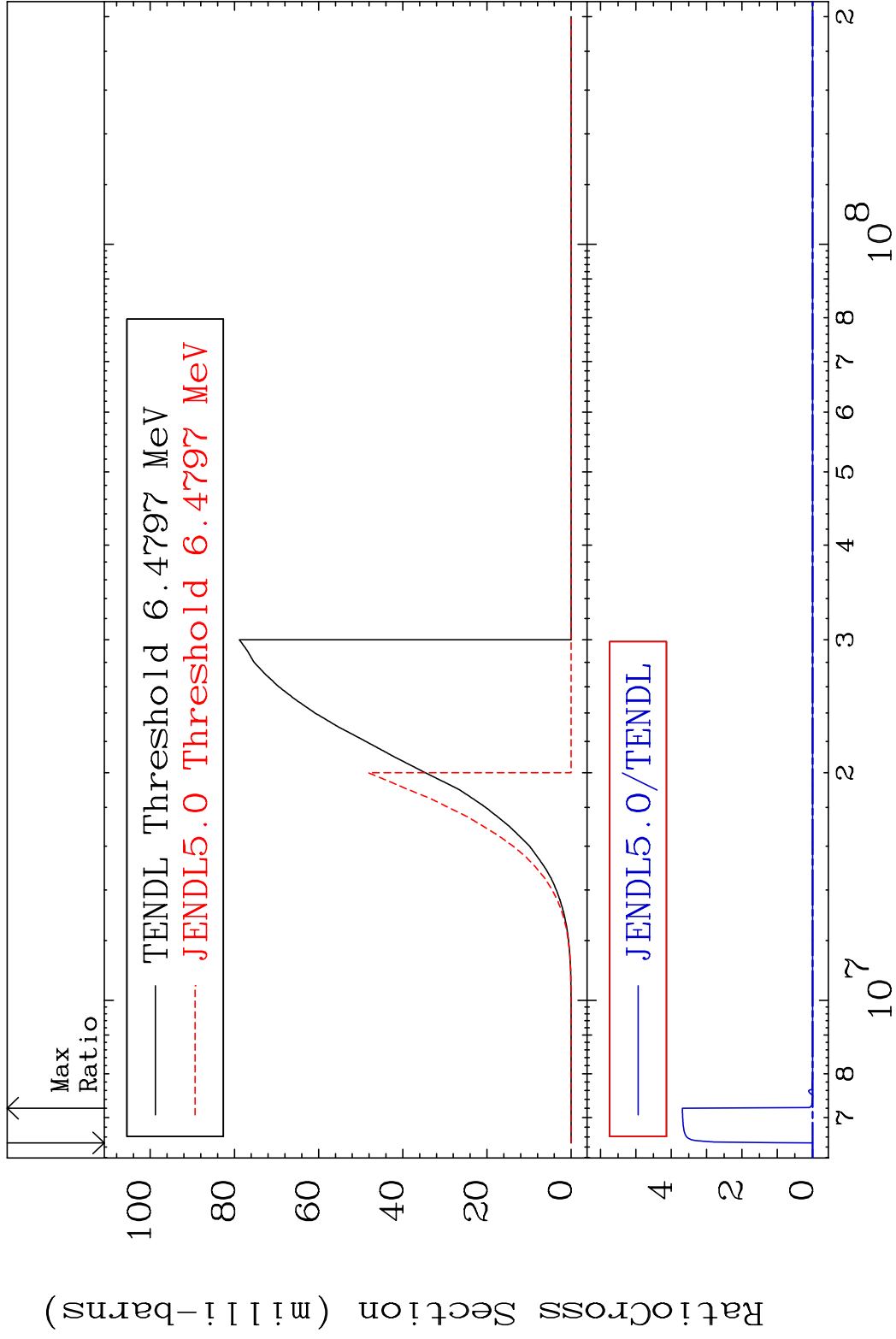
51-Sb-122

MAT 5128

(n,n') p

51-Sb-122

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

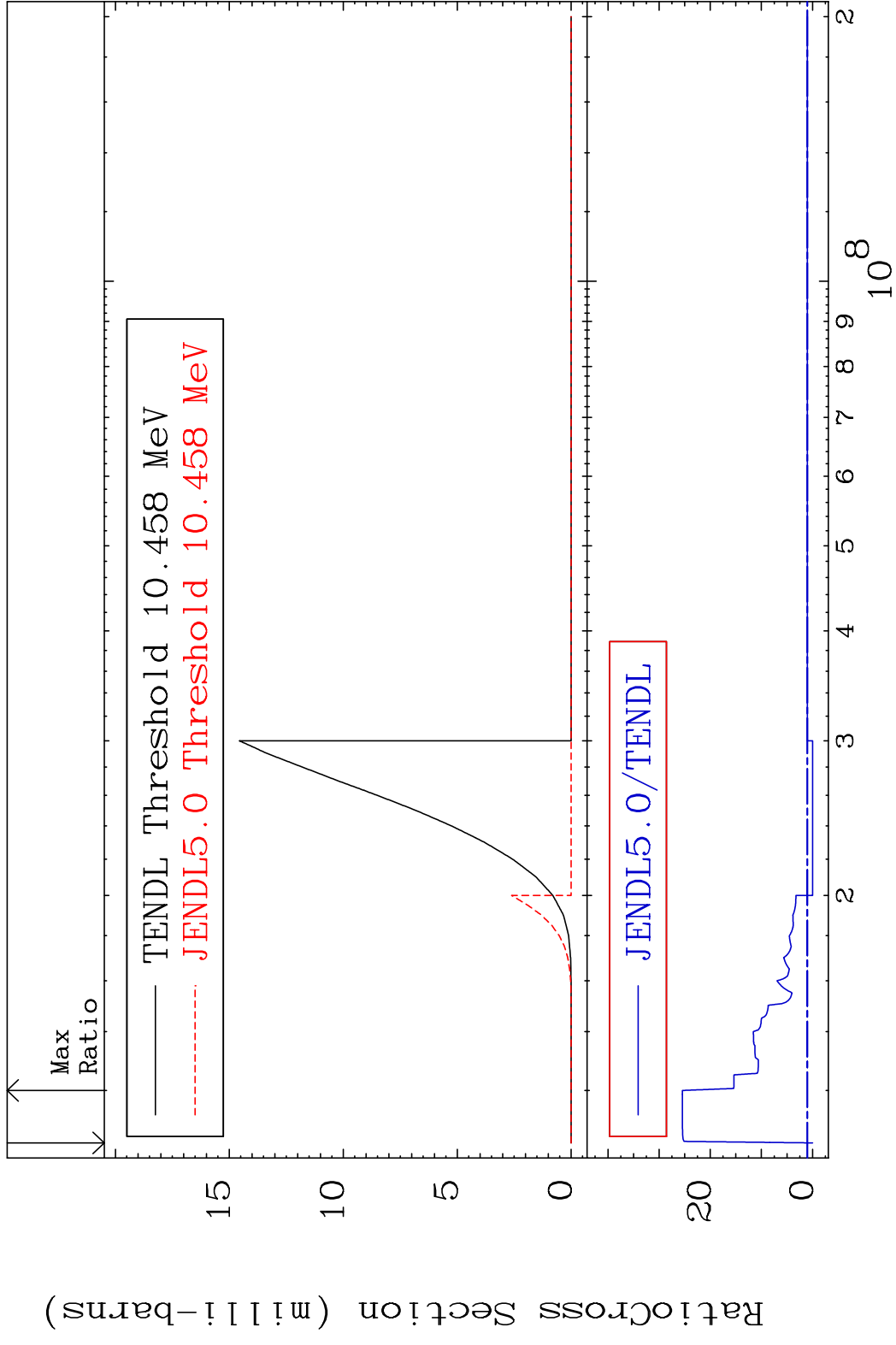
51-Sb-122

MAT 5128

(n, n') d

51-Sb-122

Cross Section -100.0 To 2445. %

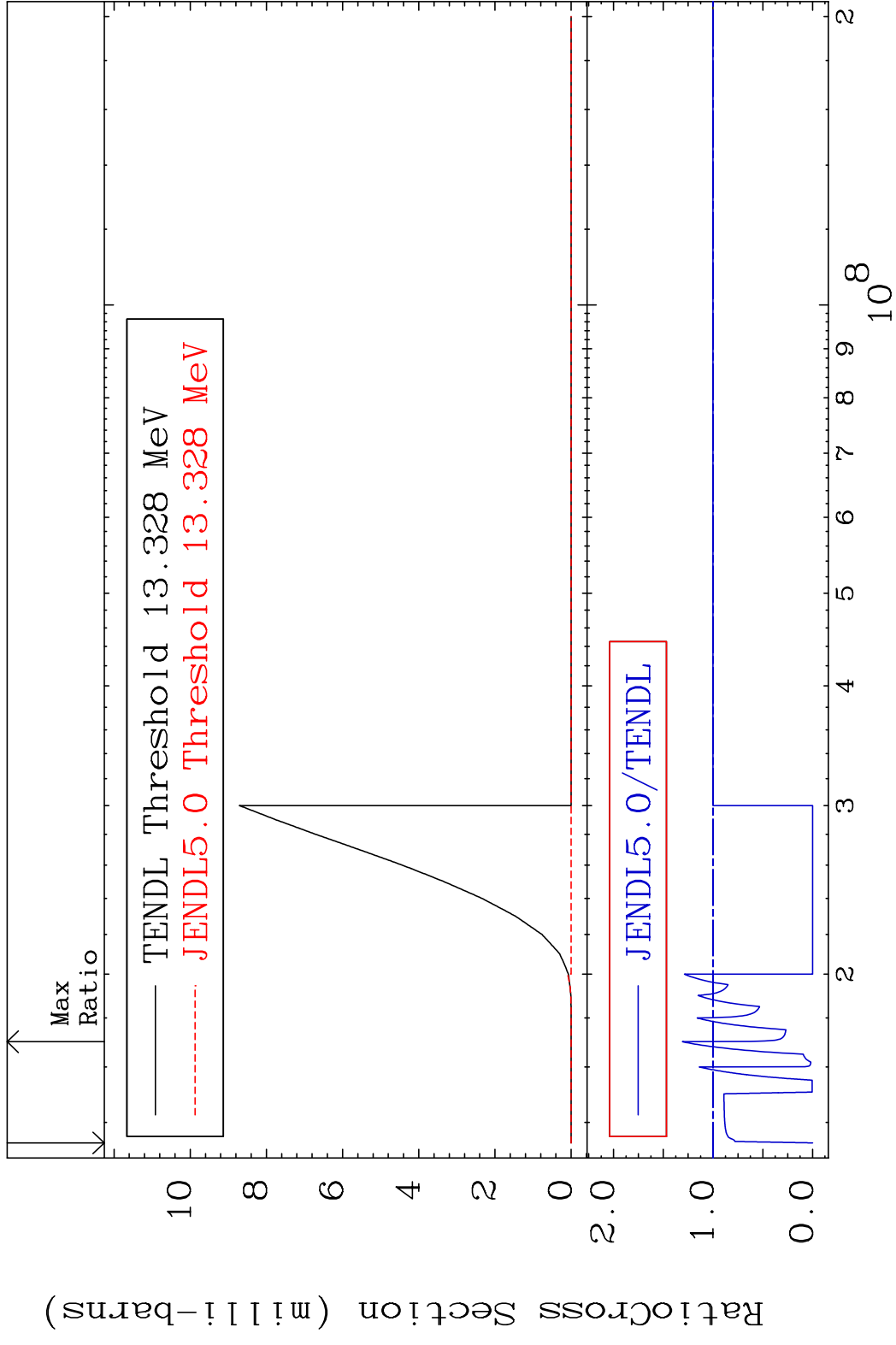


9

Incident Energy (eV)

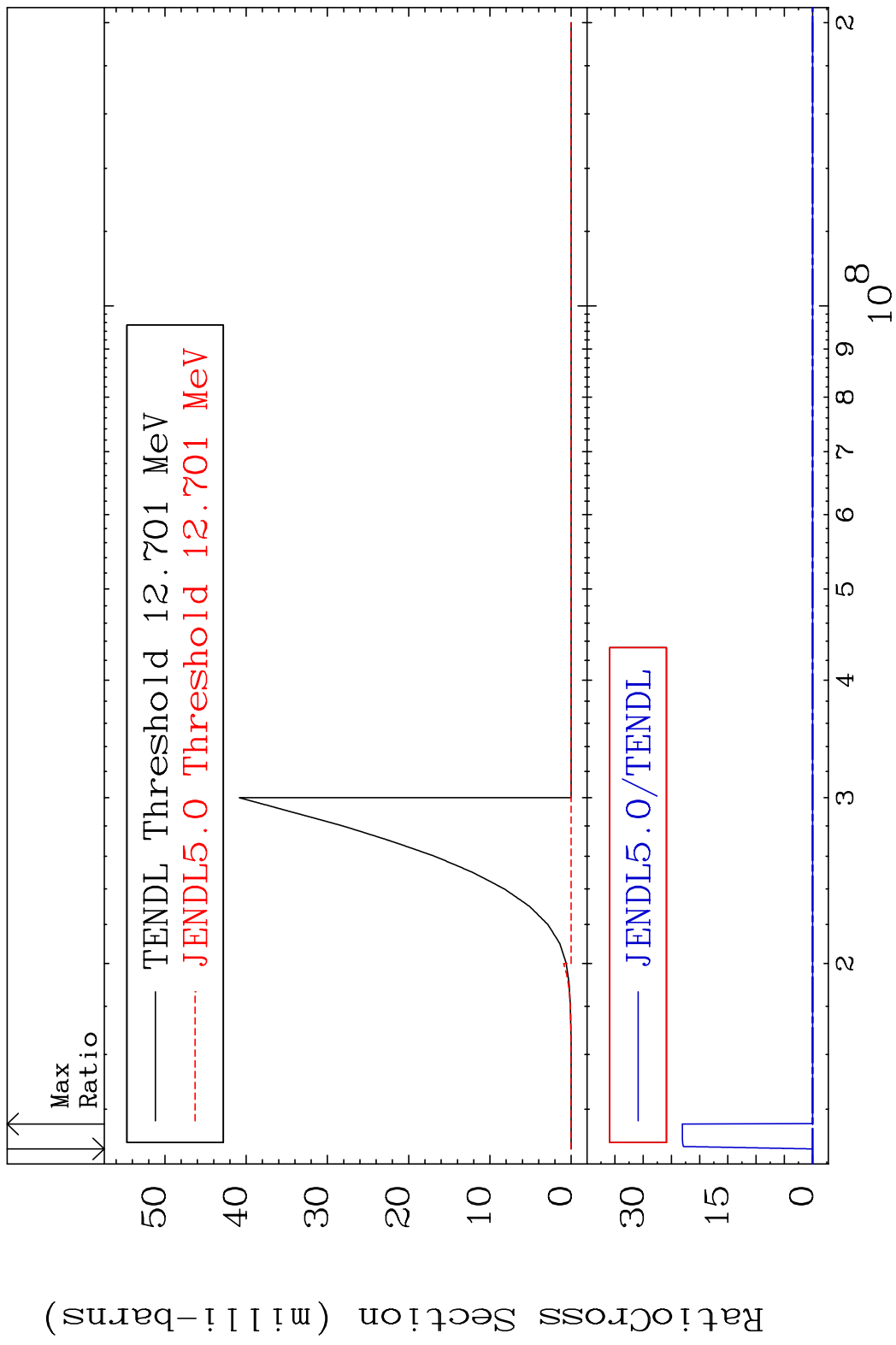
51-Sb-122

MAT 5128 (n, n') t 51-Sb-122
 Cross Section -100.0 To 30.86 %

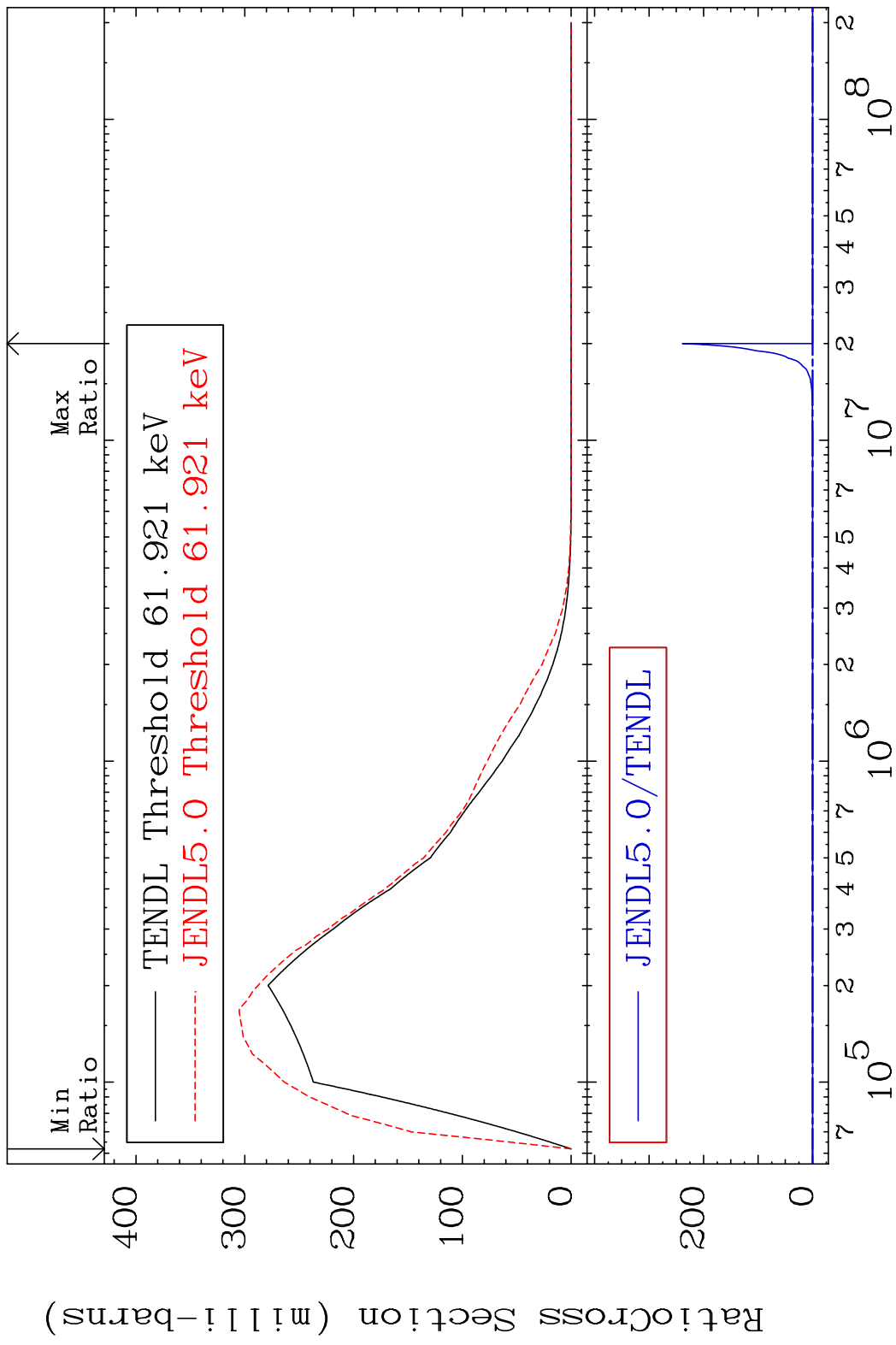


10 Incident Energy (eV) 51-Sb-122

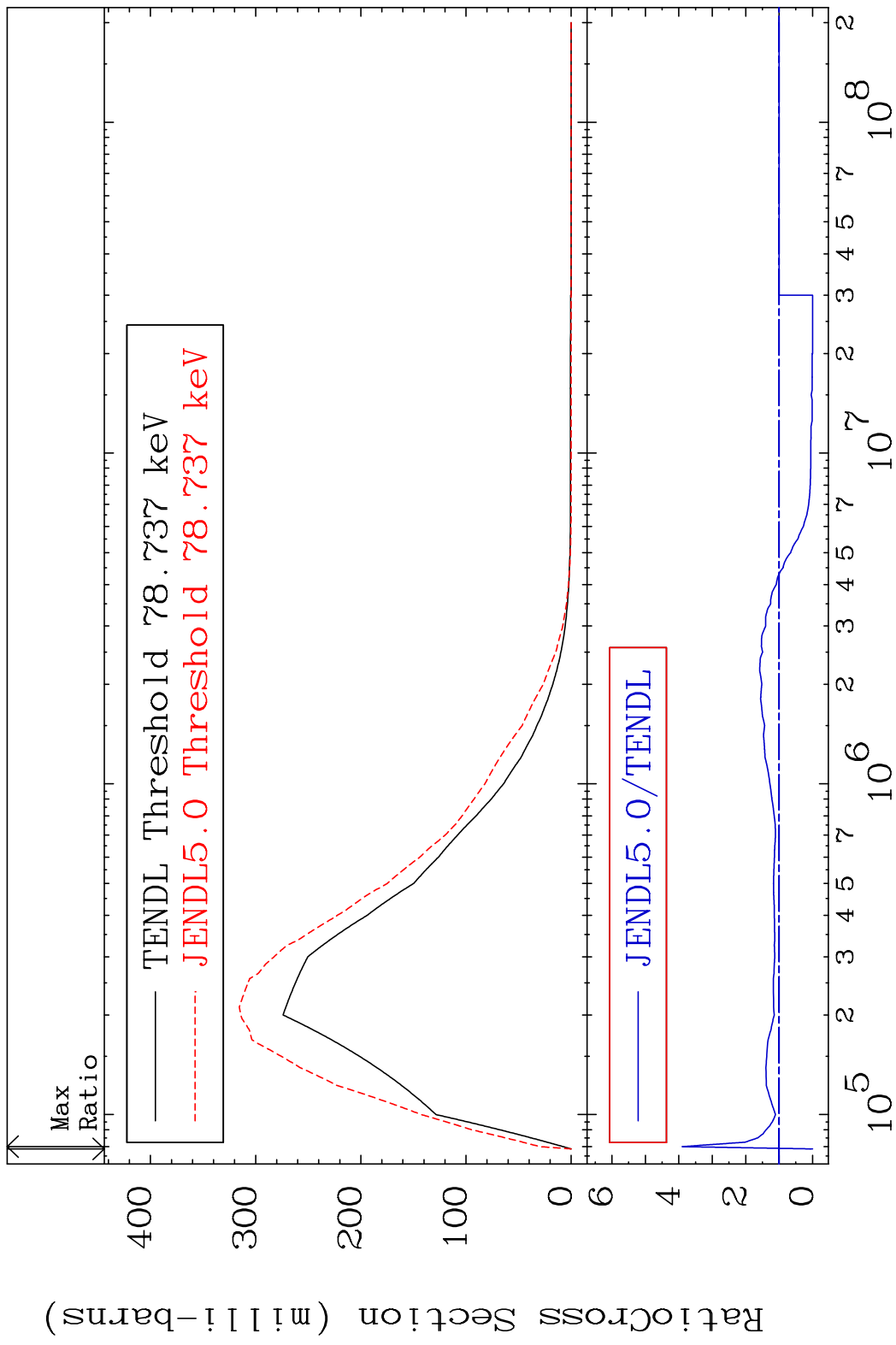
MAT 5128 (n,2n) p 51-Sb-122
 Cross Section -100.0 To 9999. %



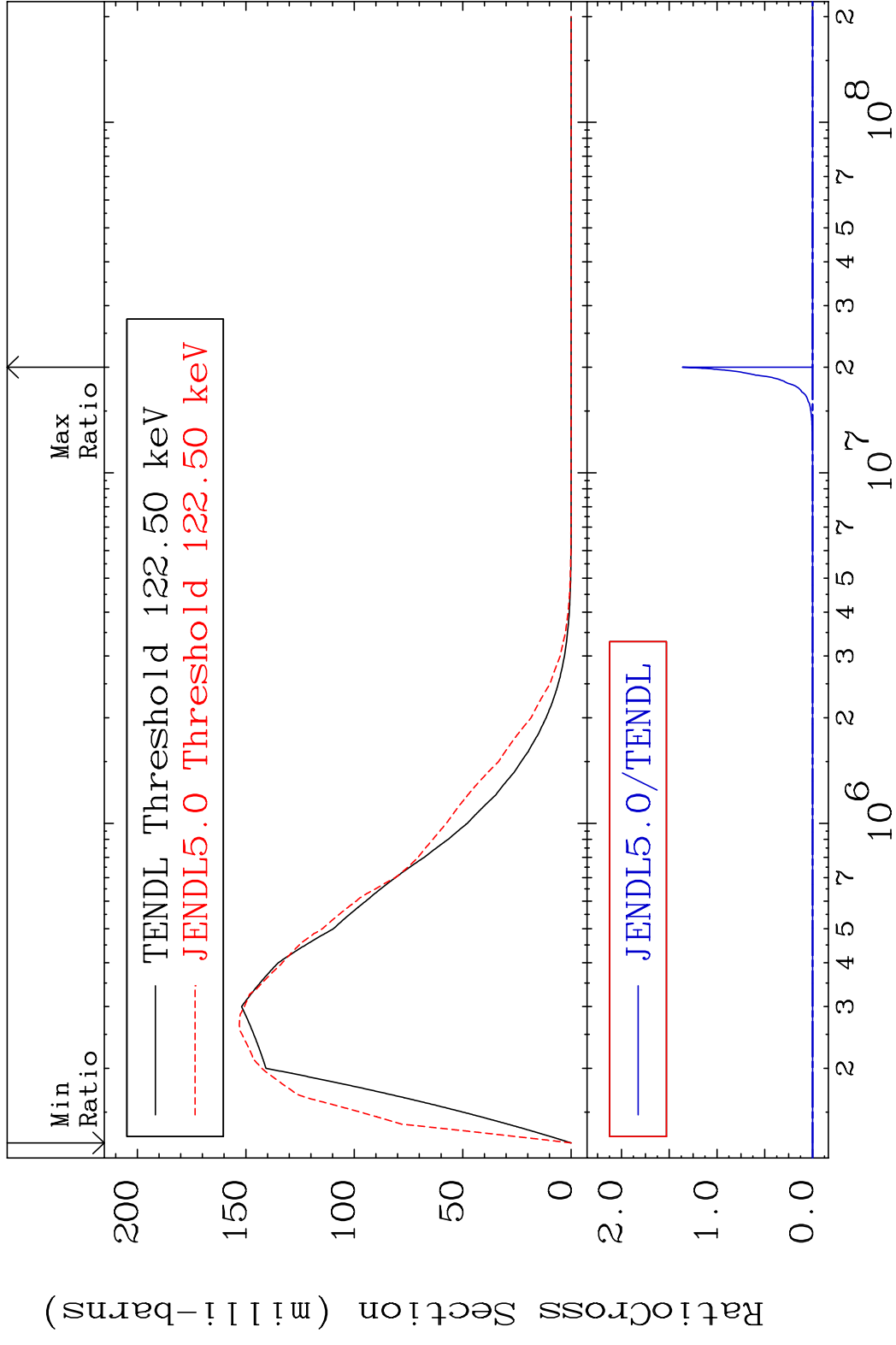
MAT 5128 MT= 51 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



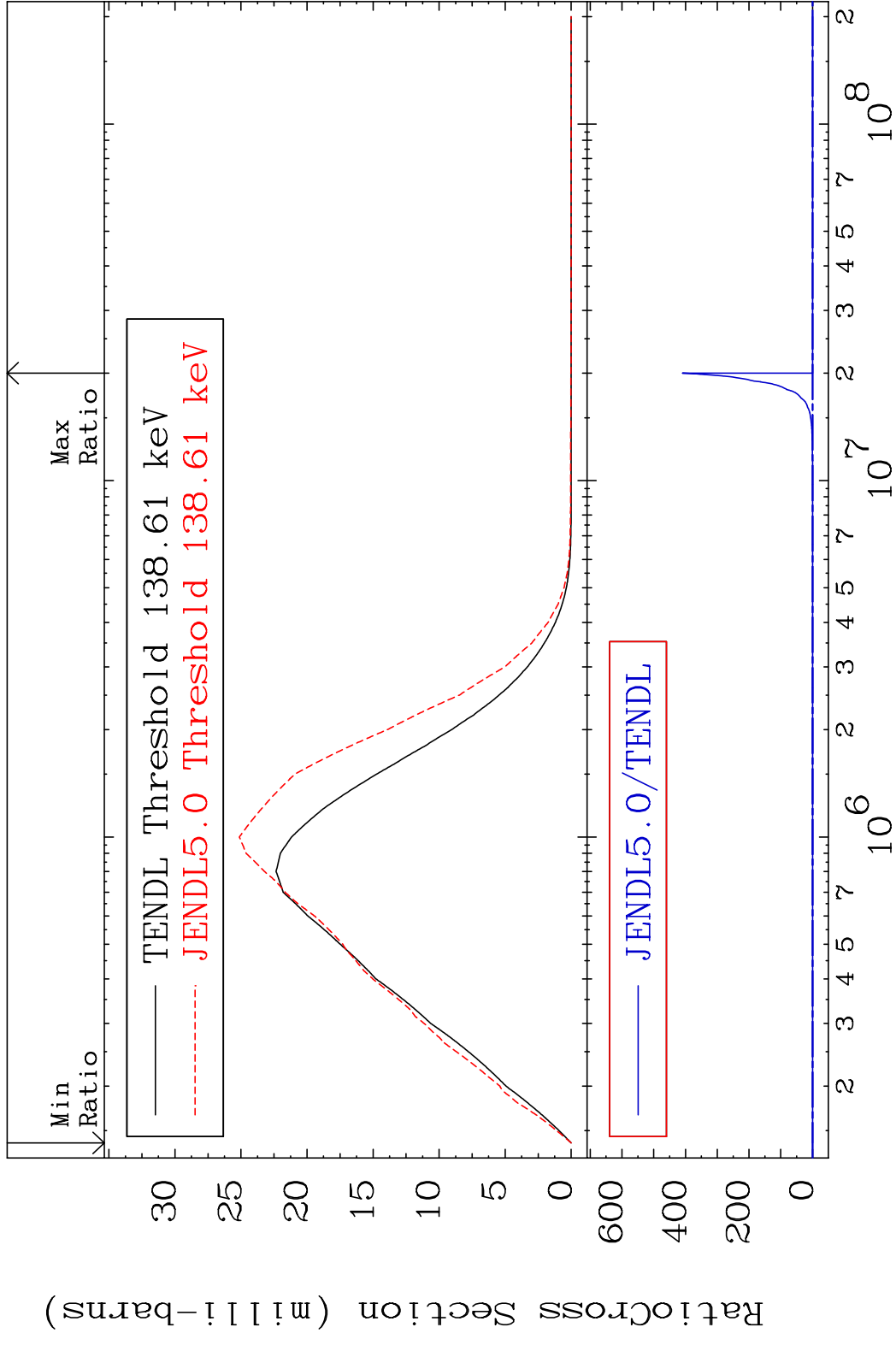
MAT 5128 MT= 52 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 289.4 %



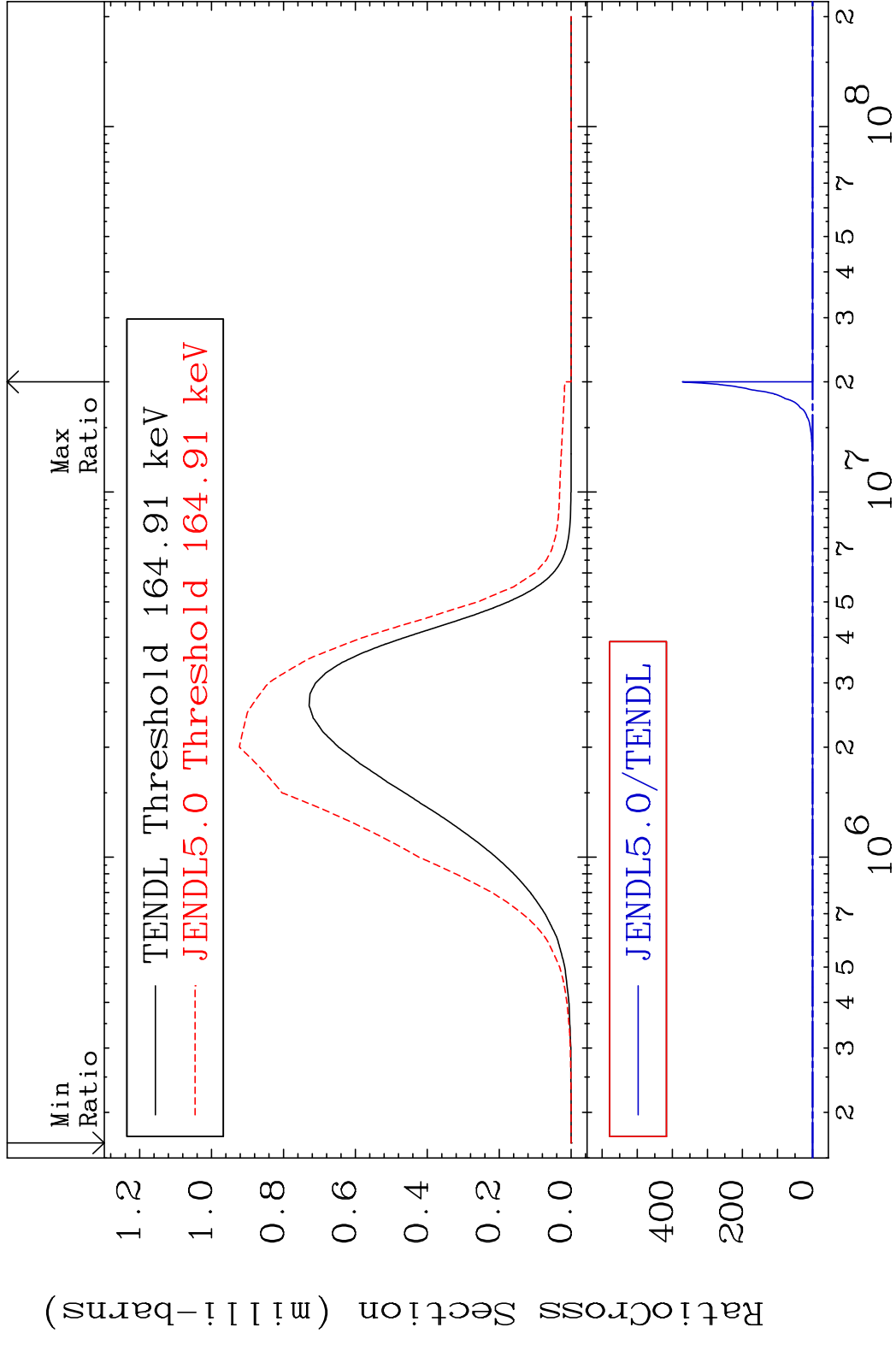
MAT 5128 MT= 53 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



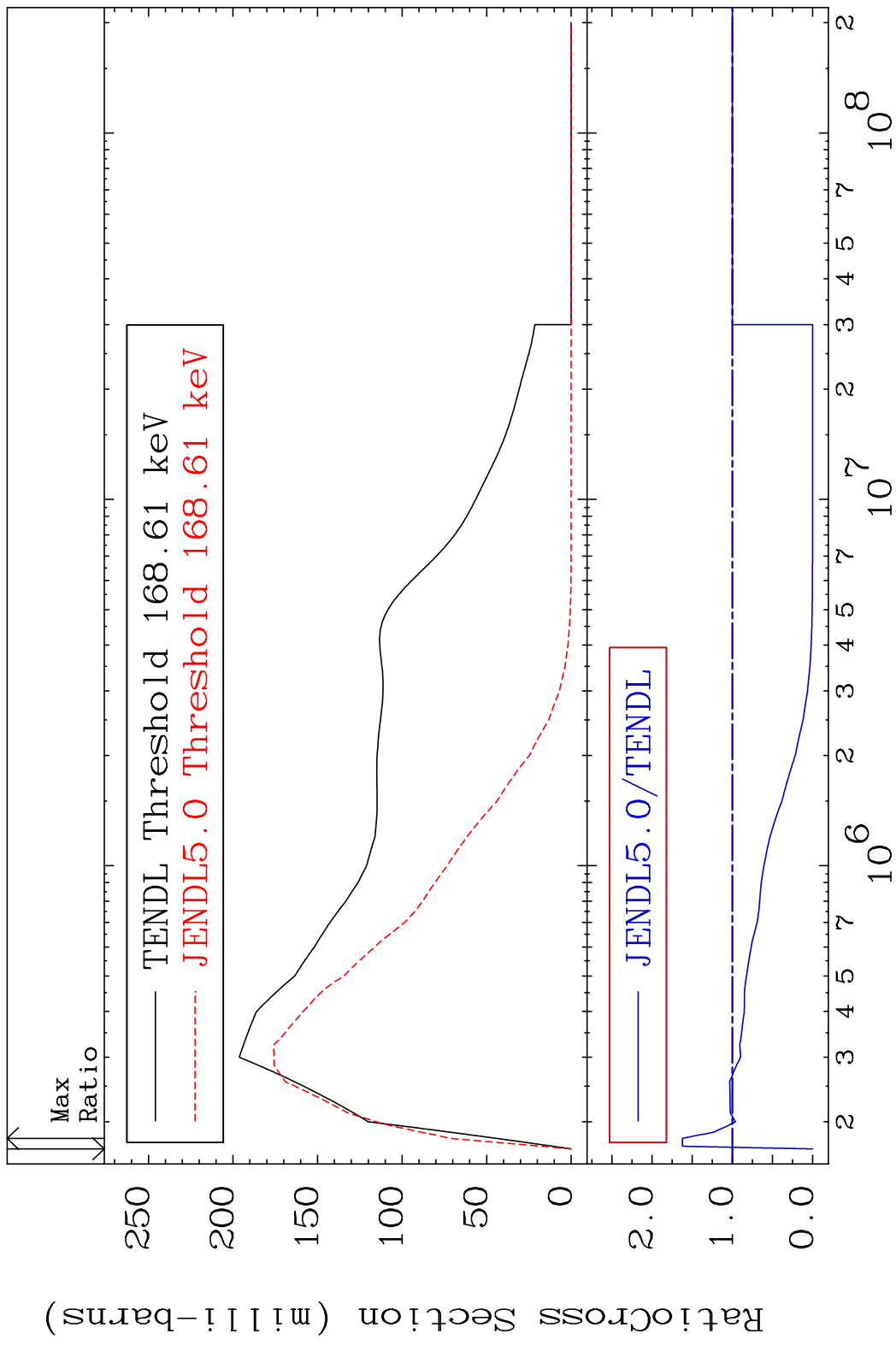
MAT 5128 MT= 54 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



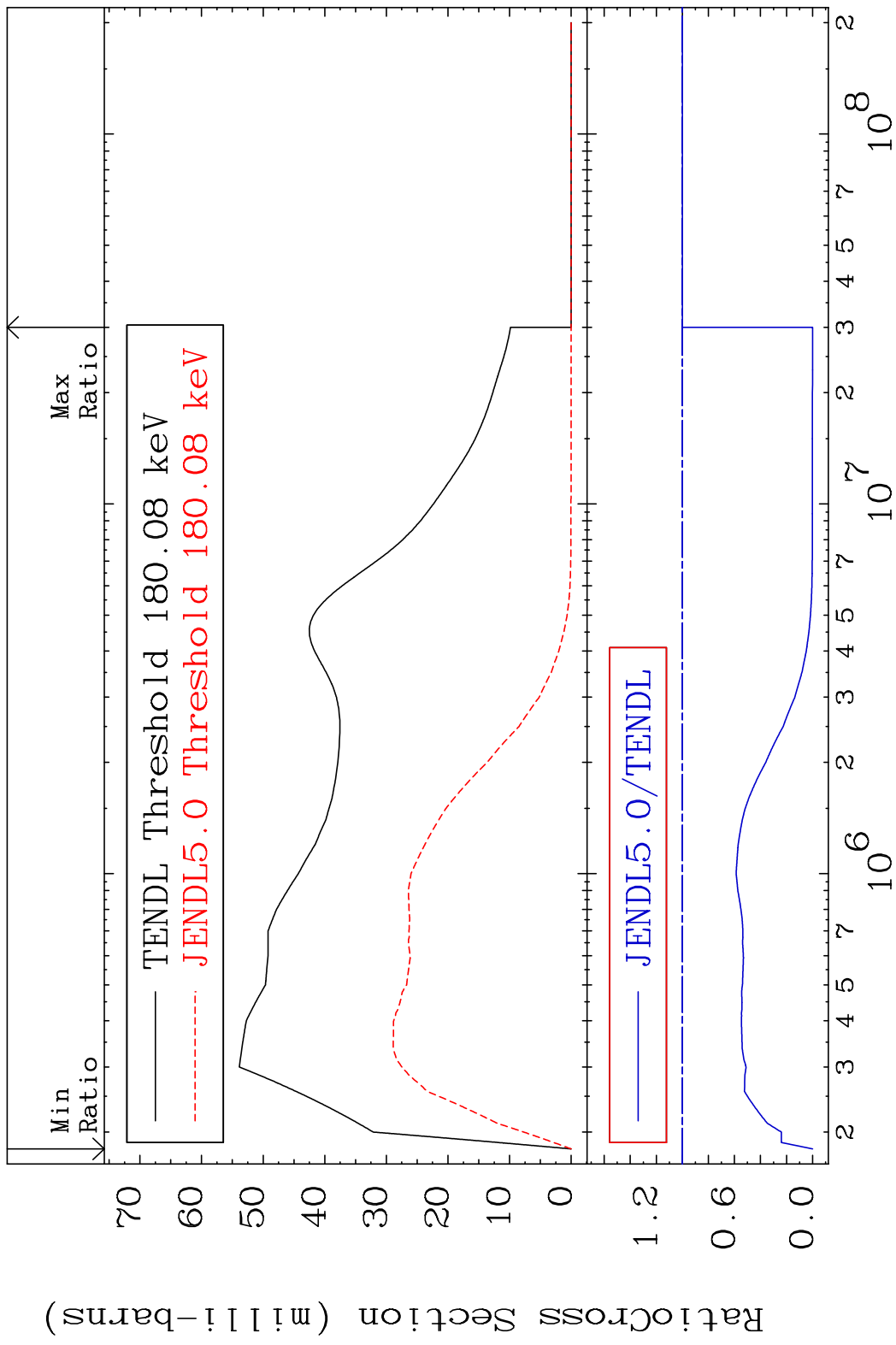
MAT 5128 MT= 55 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



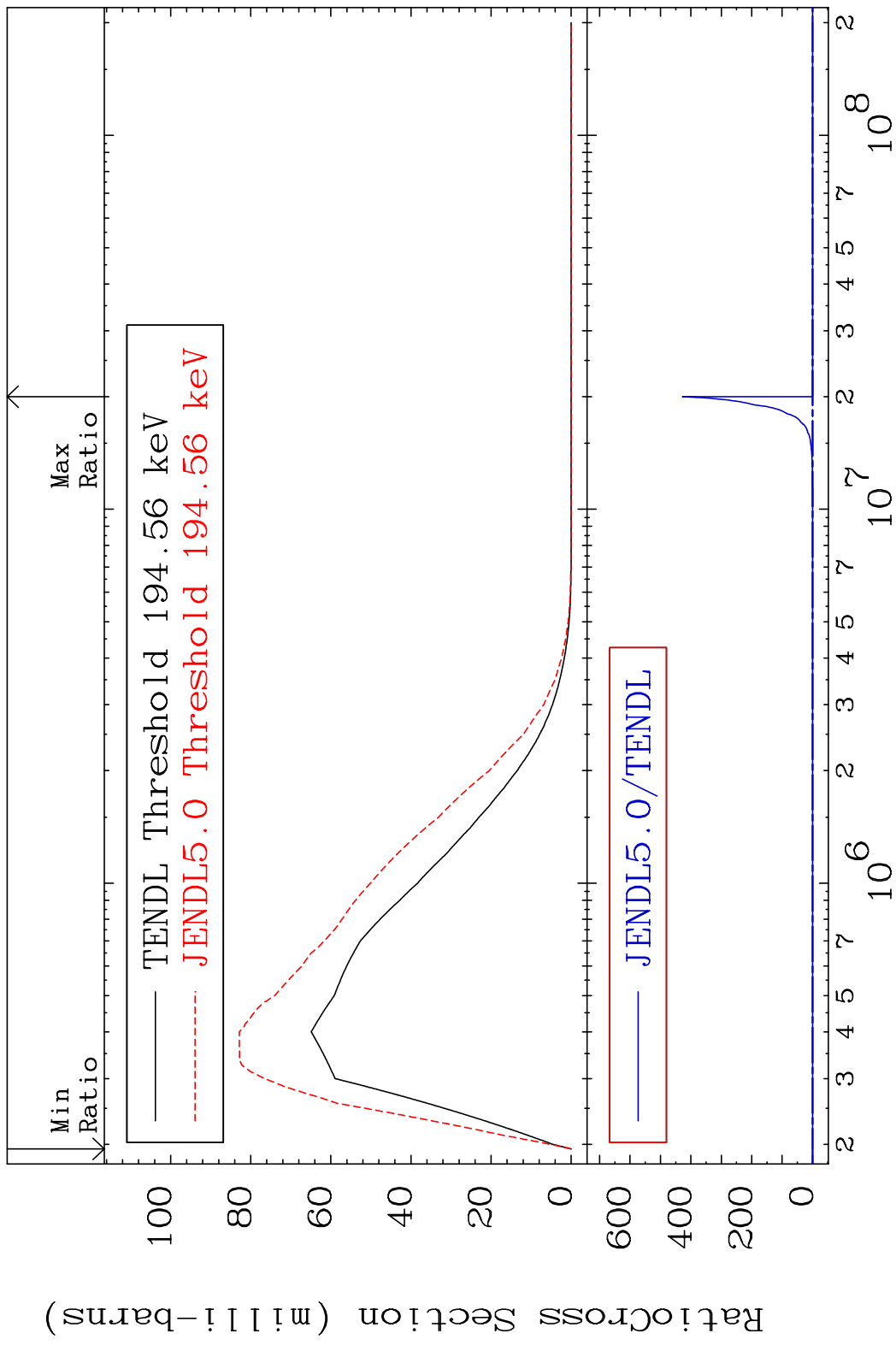
MAT 5128 MT= 56 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 62.27 %



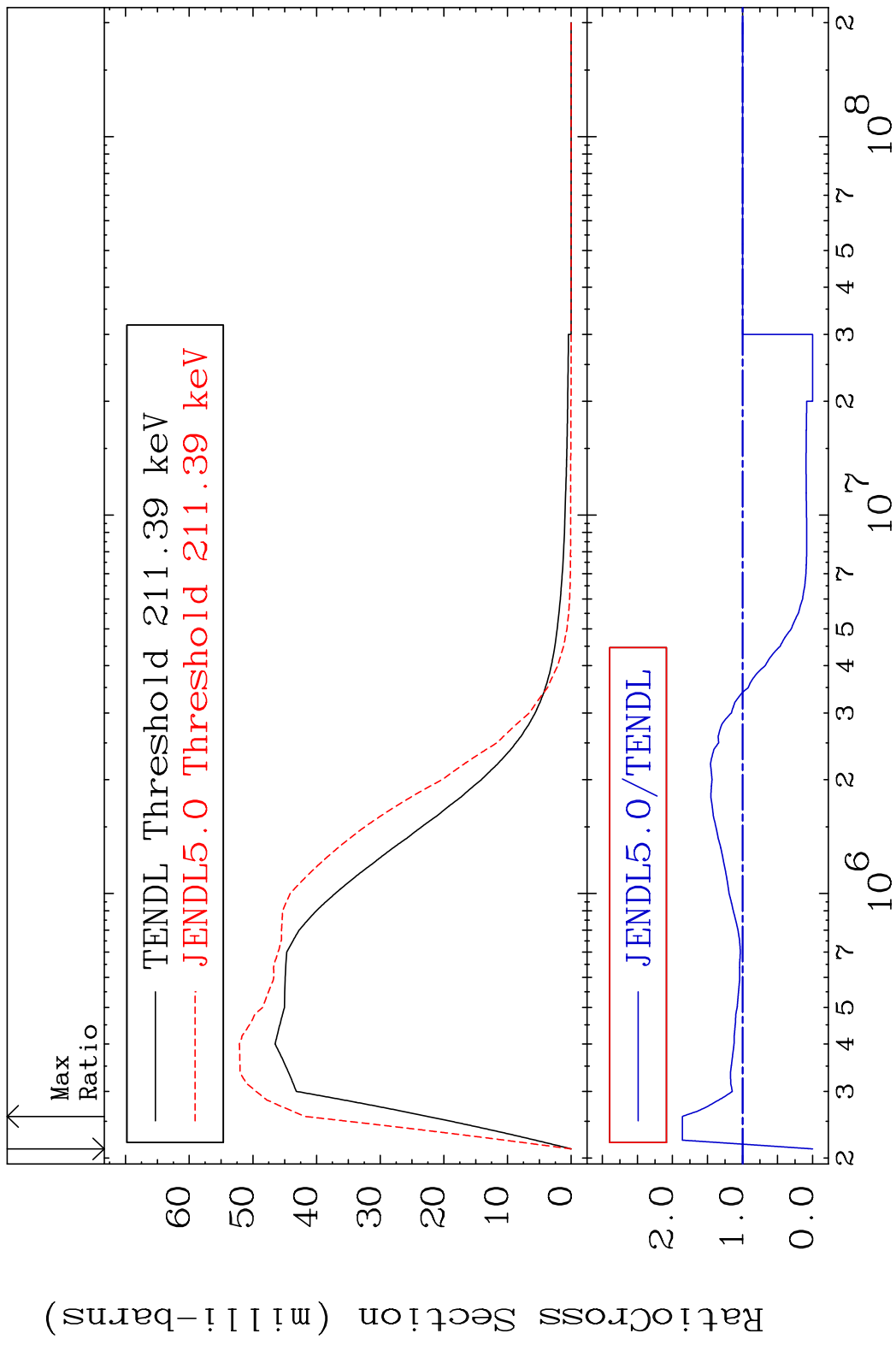
MAT 5128 MT= 57 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 0.000 %



MAT 5128 MT= 58 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %

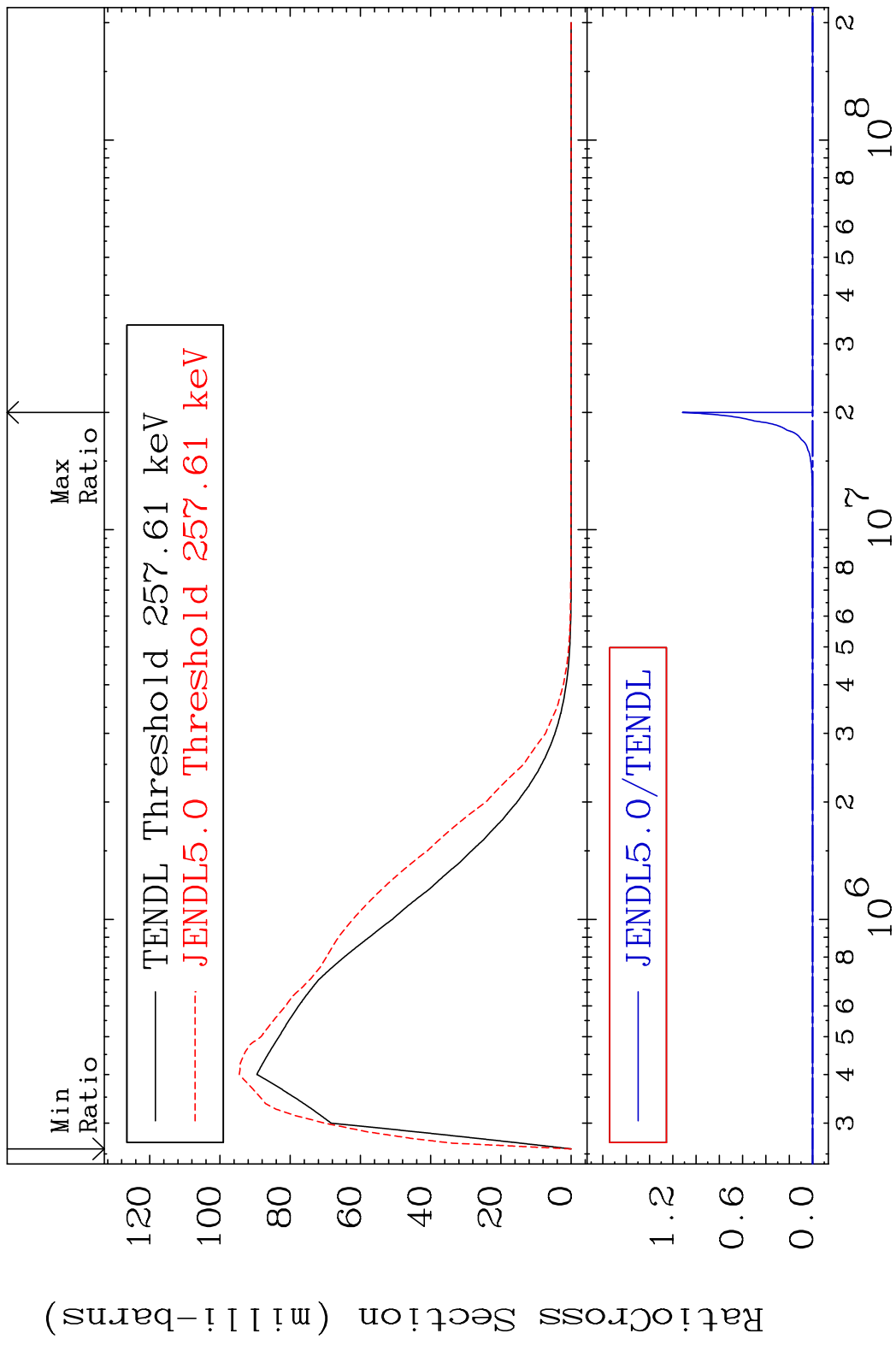


MAT 5128 MT= 59 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 85.86 %

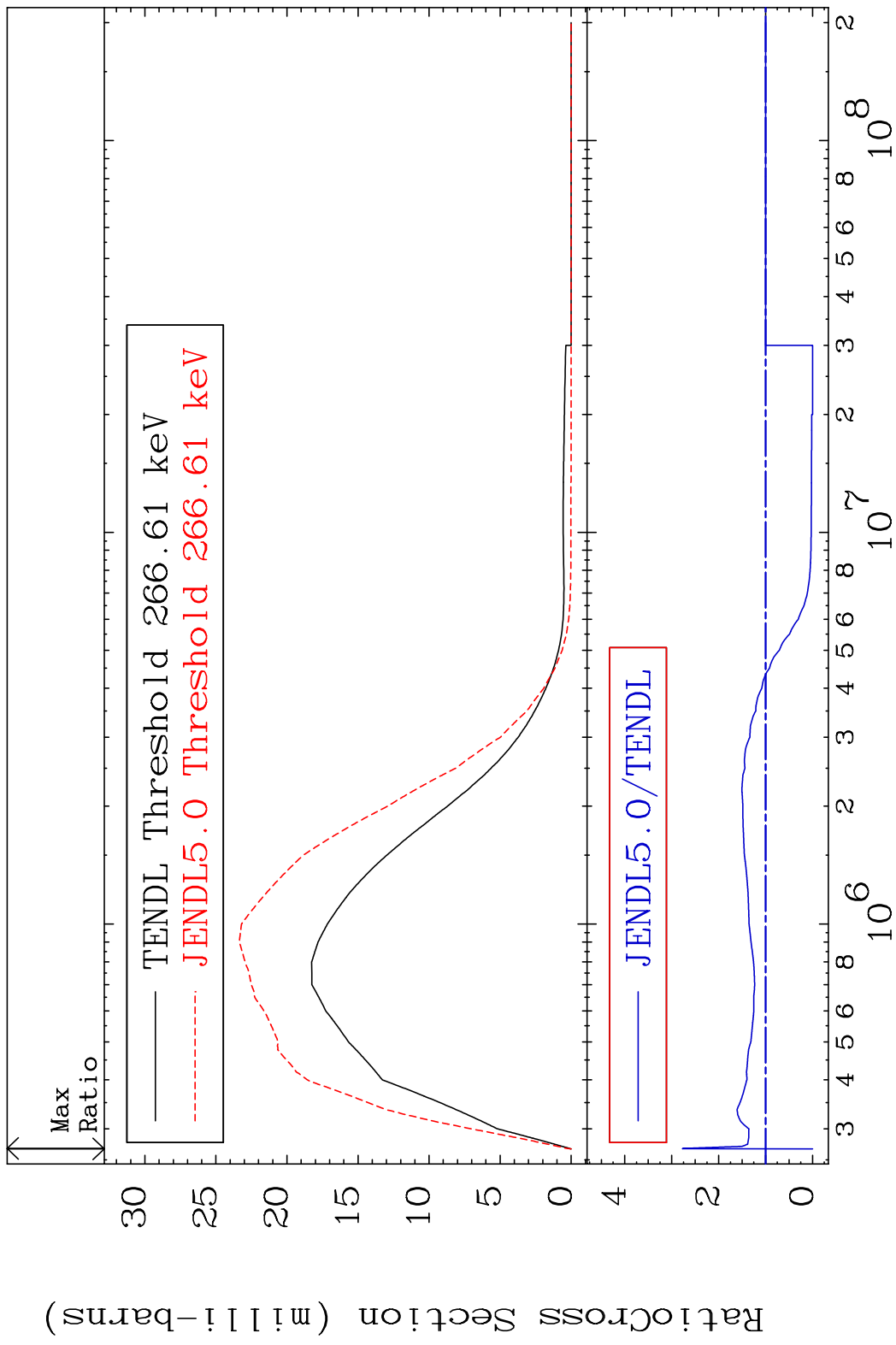


20 Incident Energy (eV) 51-Sb-122

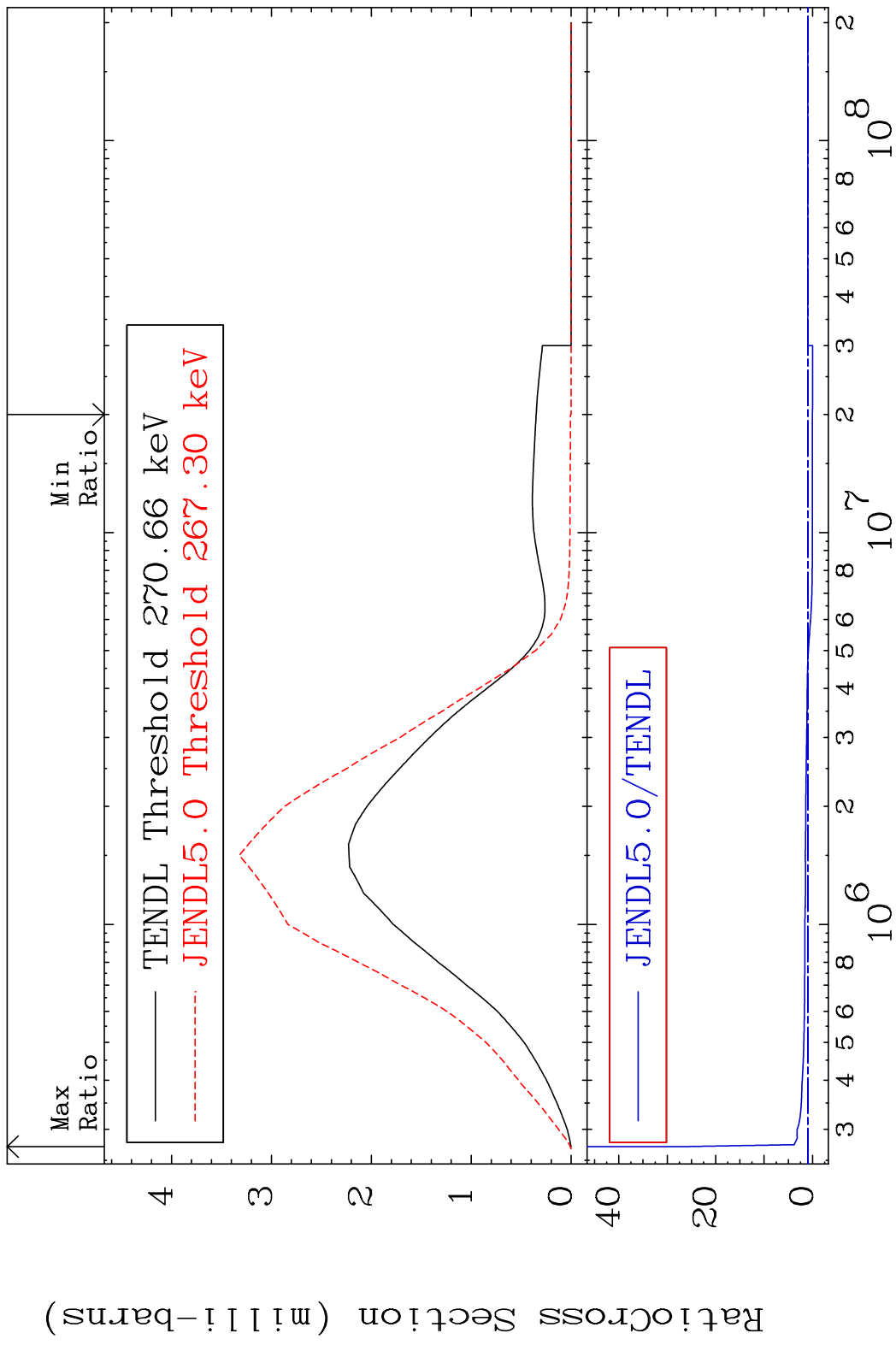
MAT 5128 MT= 60 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



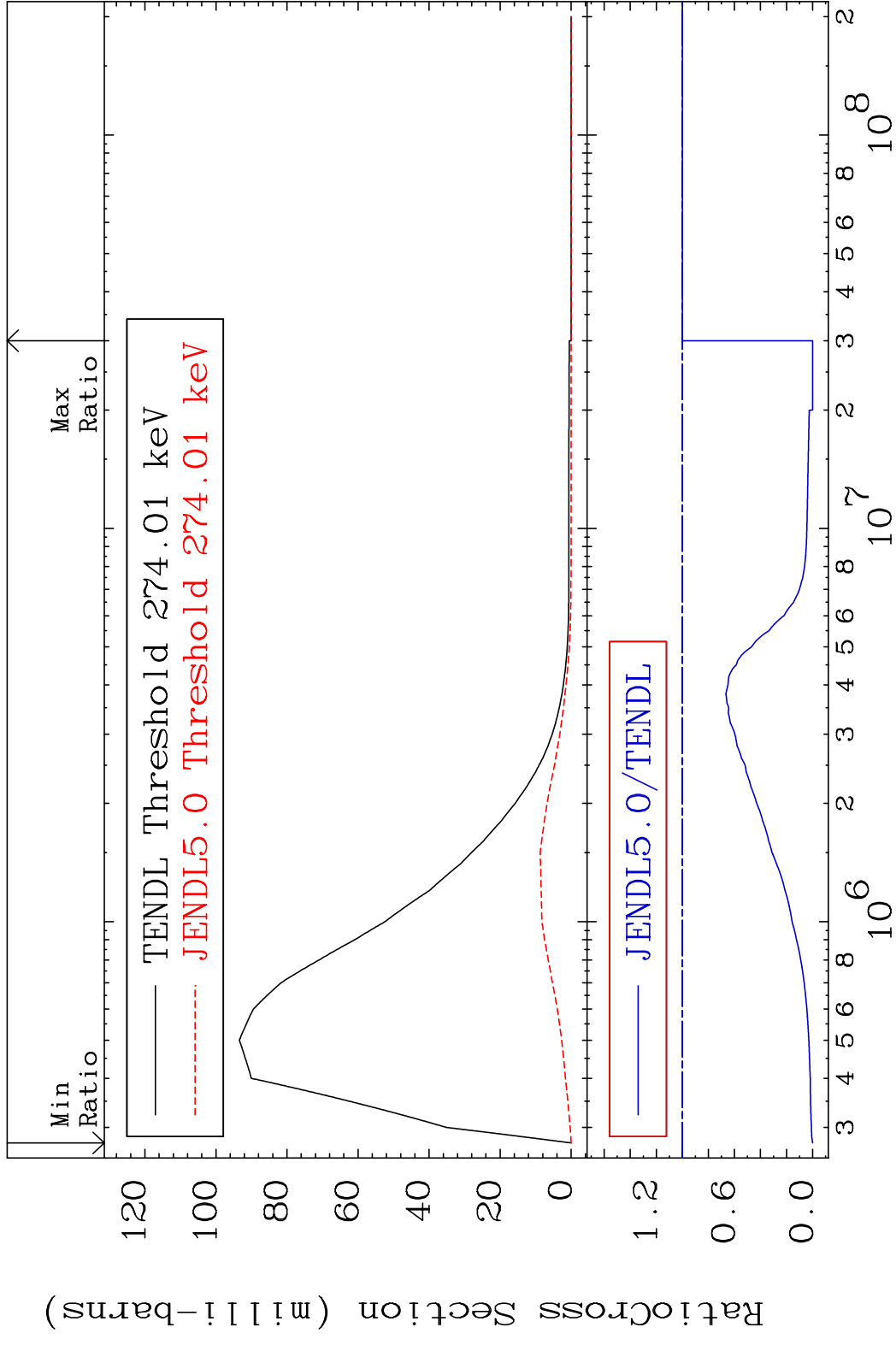
MAT 5128 MT= 61 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 177.4 %



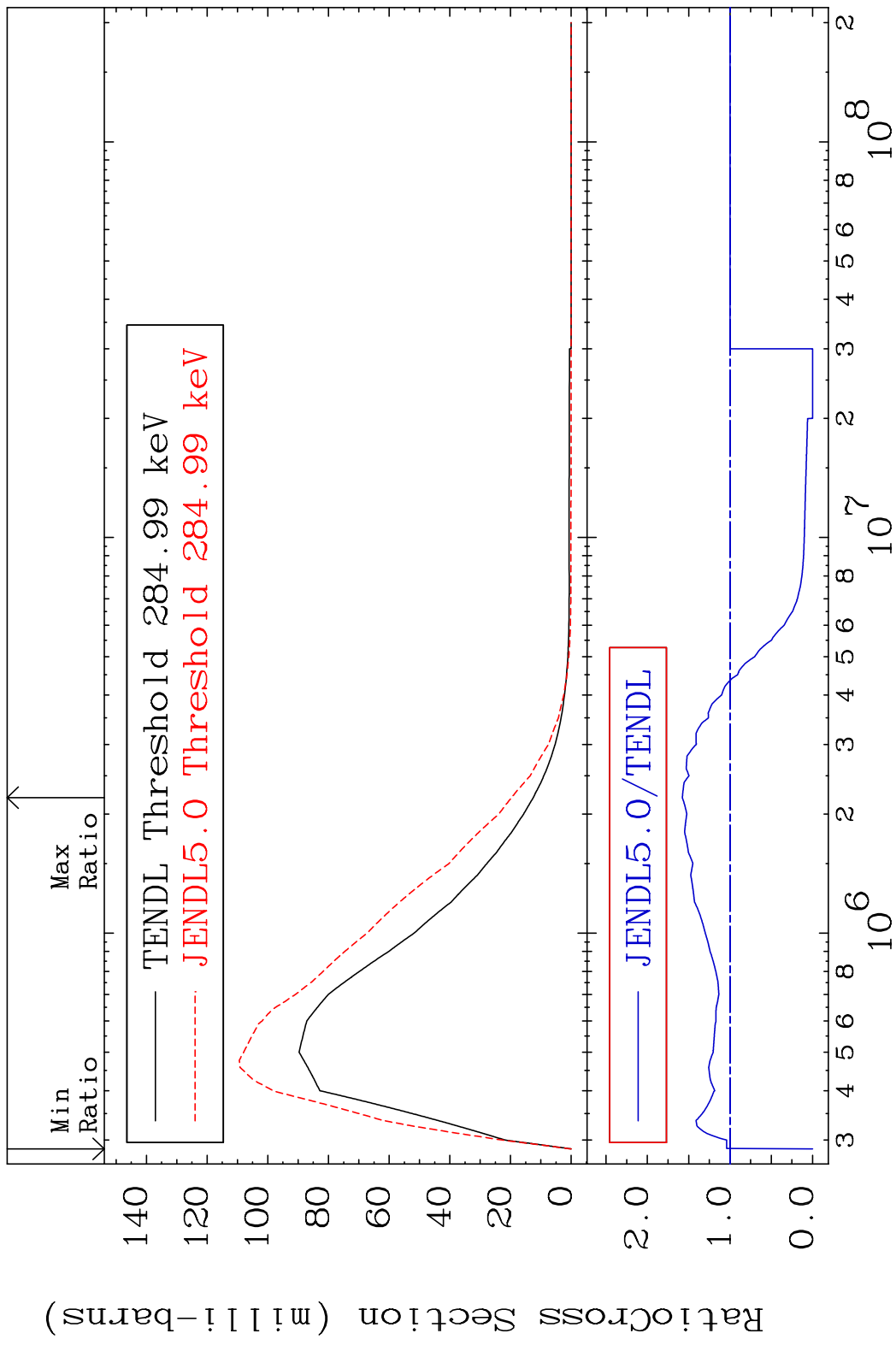
MAT 5128 MT= 62 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 2588. %



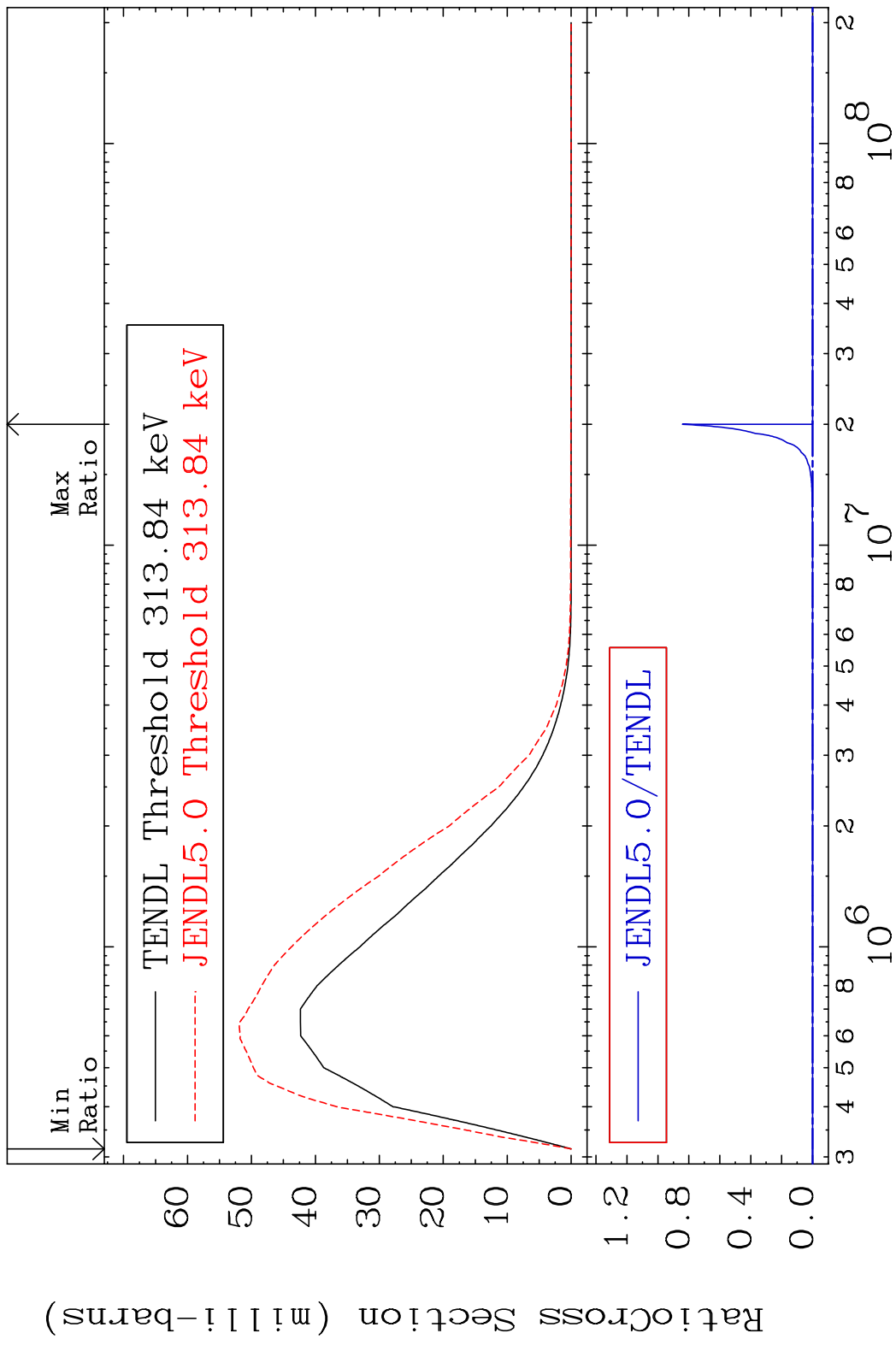
MAT 5128 MT= 63 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 0.000 %



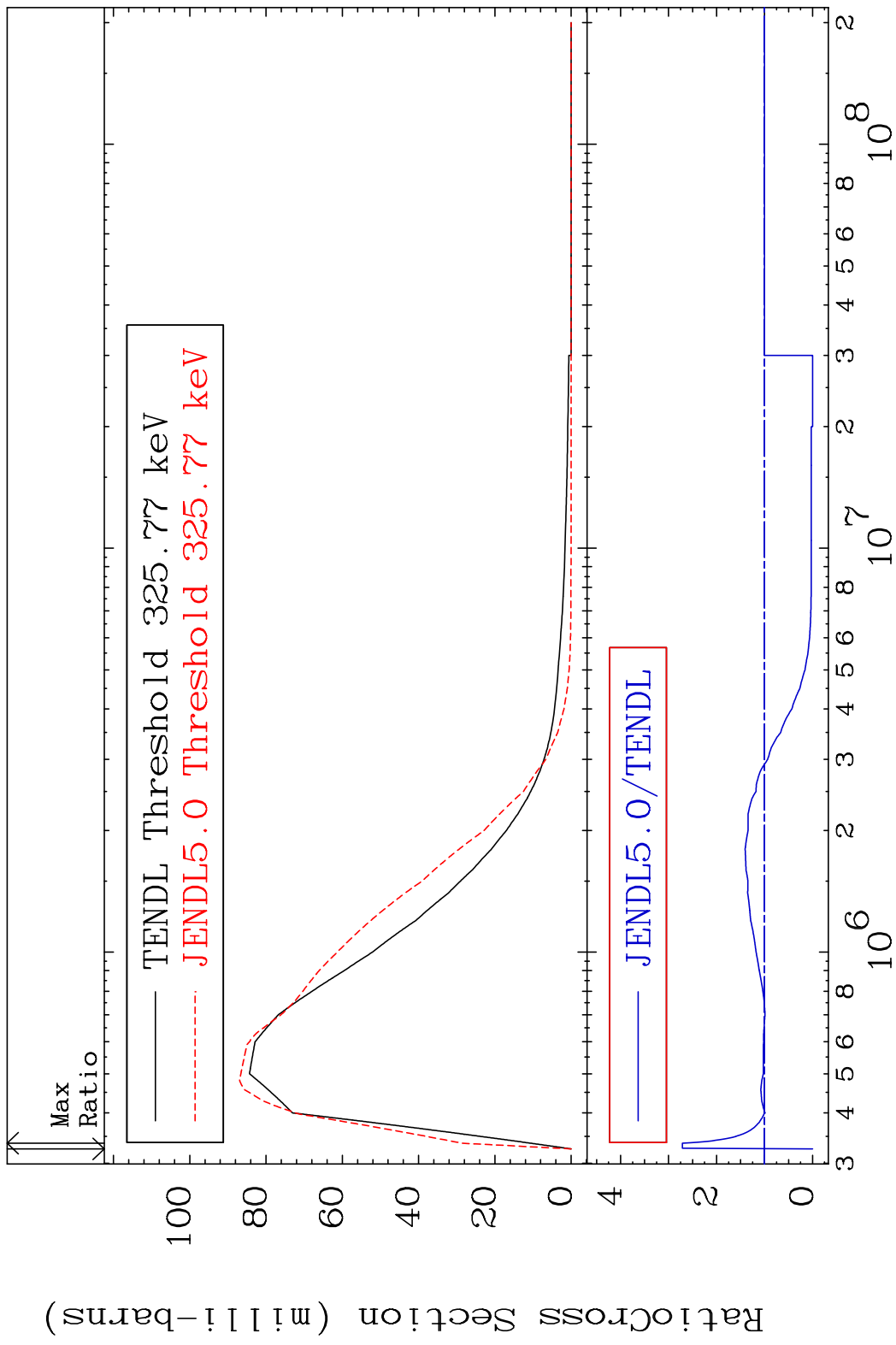
MAT 5128 MT= 64 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 57.64 %



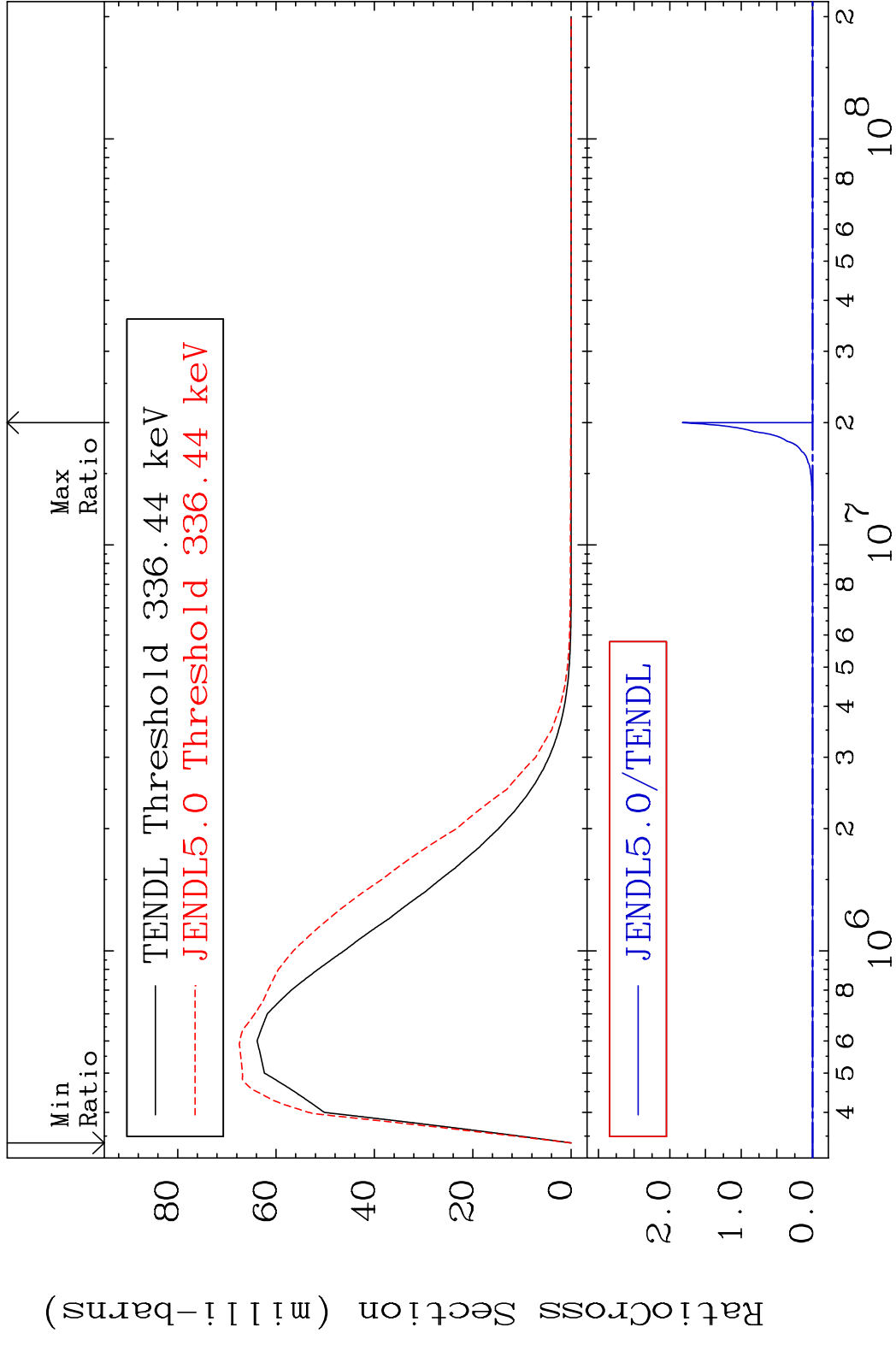
MAT 5128 MT= 65 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



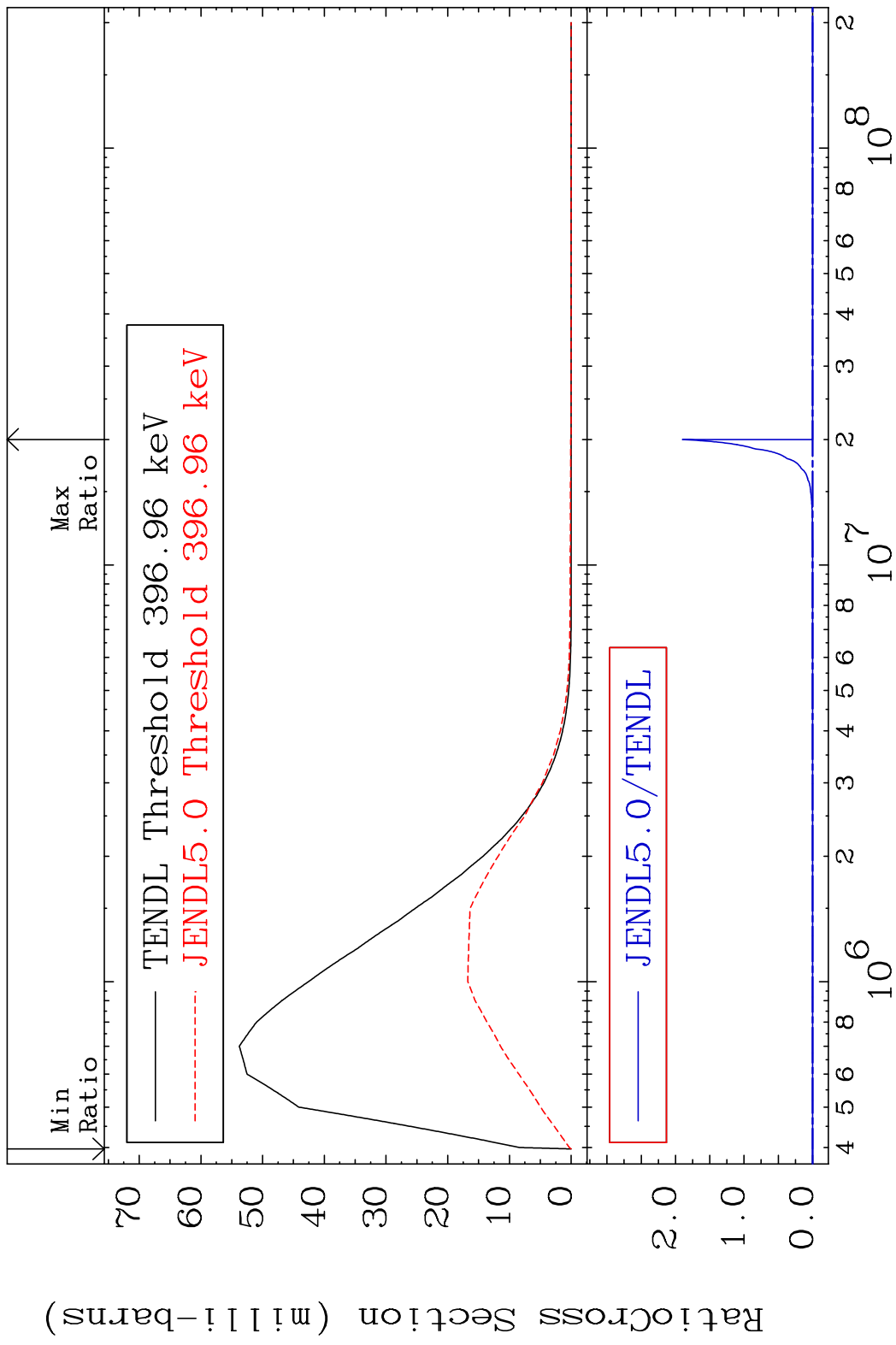
MAT 5128 MT= 66 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 171.3 %



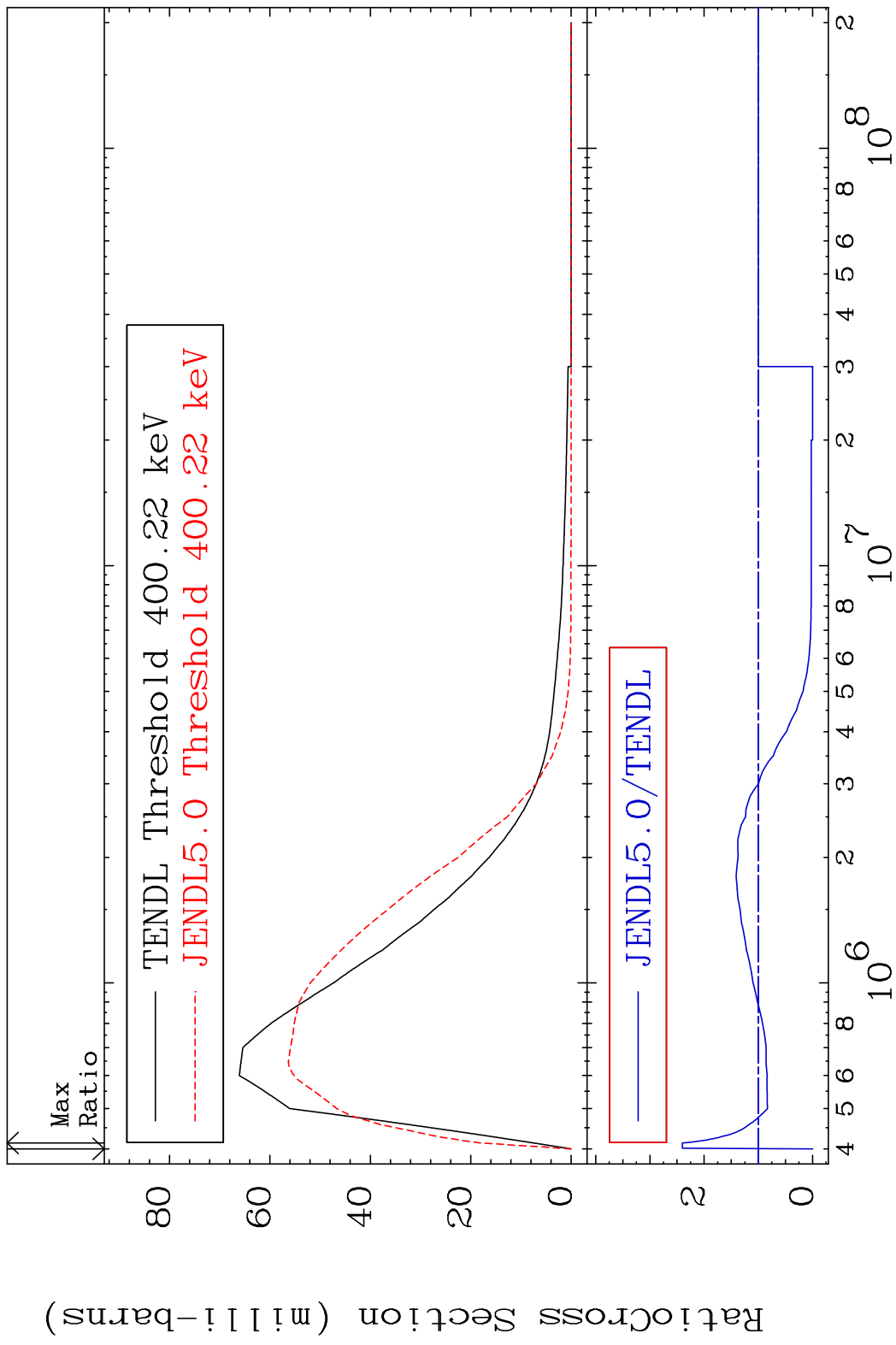
MAT 5128 MT= 67 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



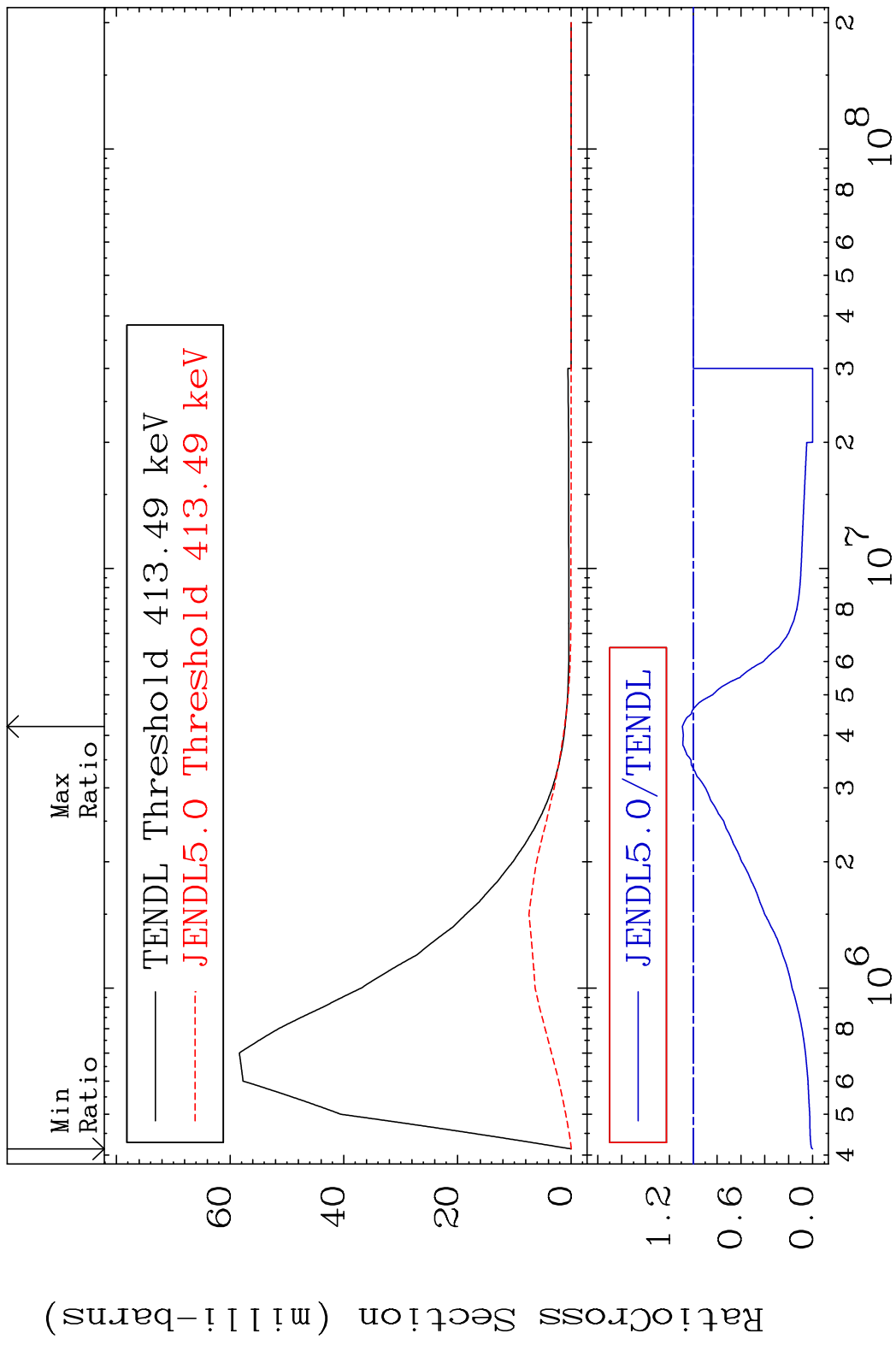
MAT 5128 MT= 68 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



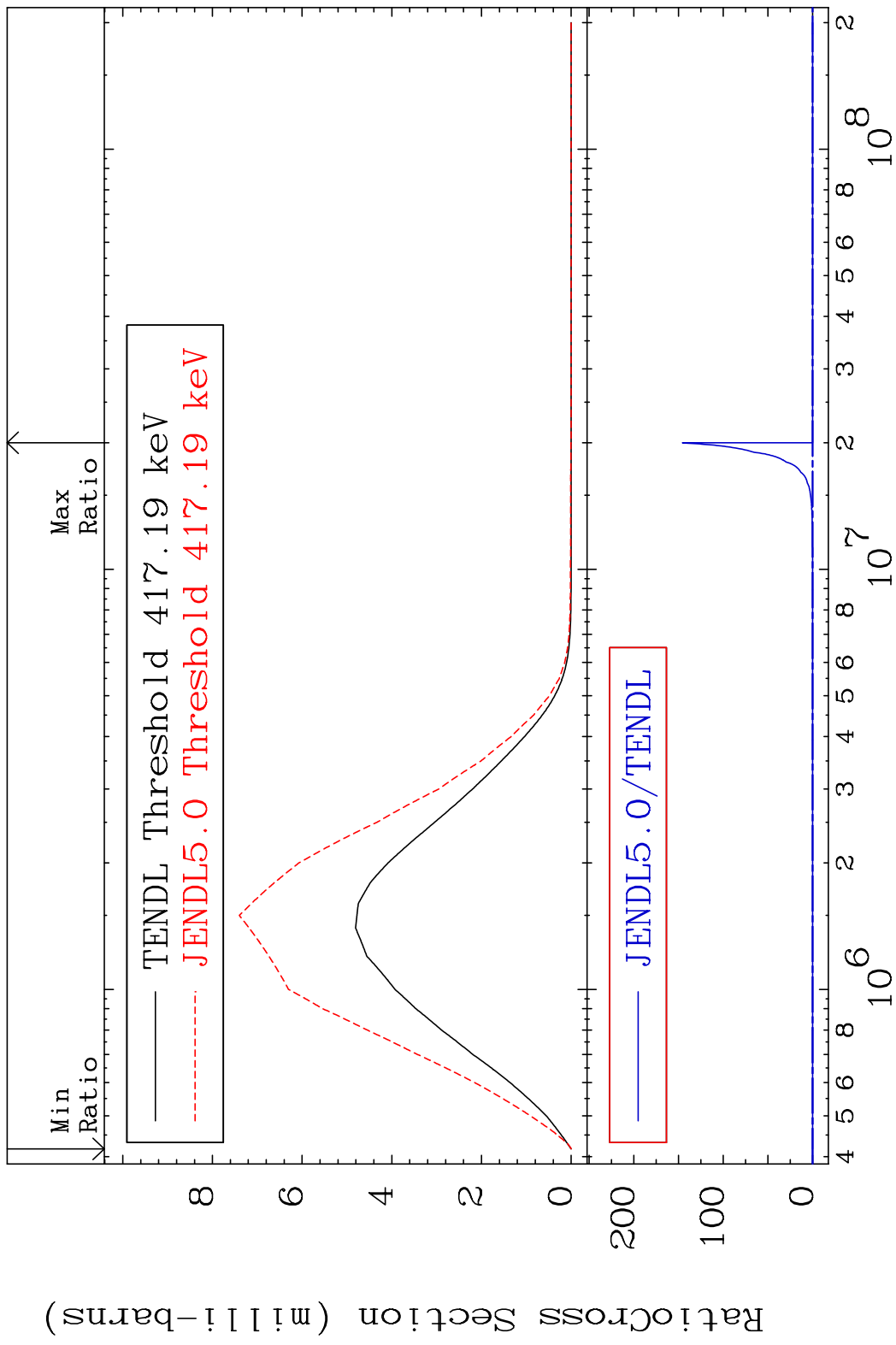
MAT 5128 MT= 69 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 140.2 %



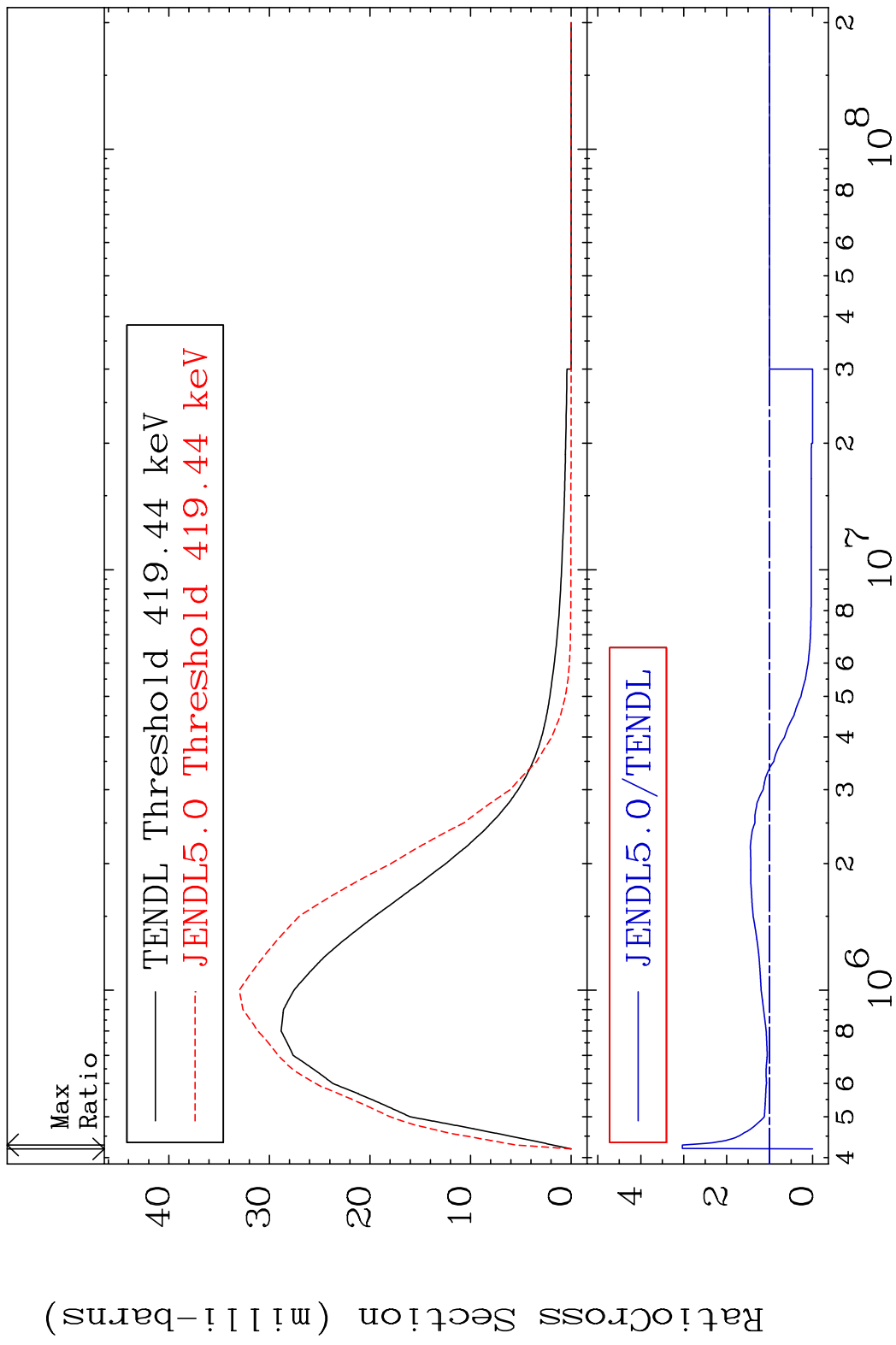
MAT 5128 MT= 70 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9.122 %



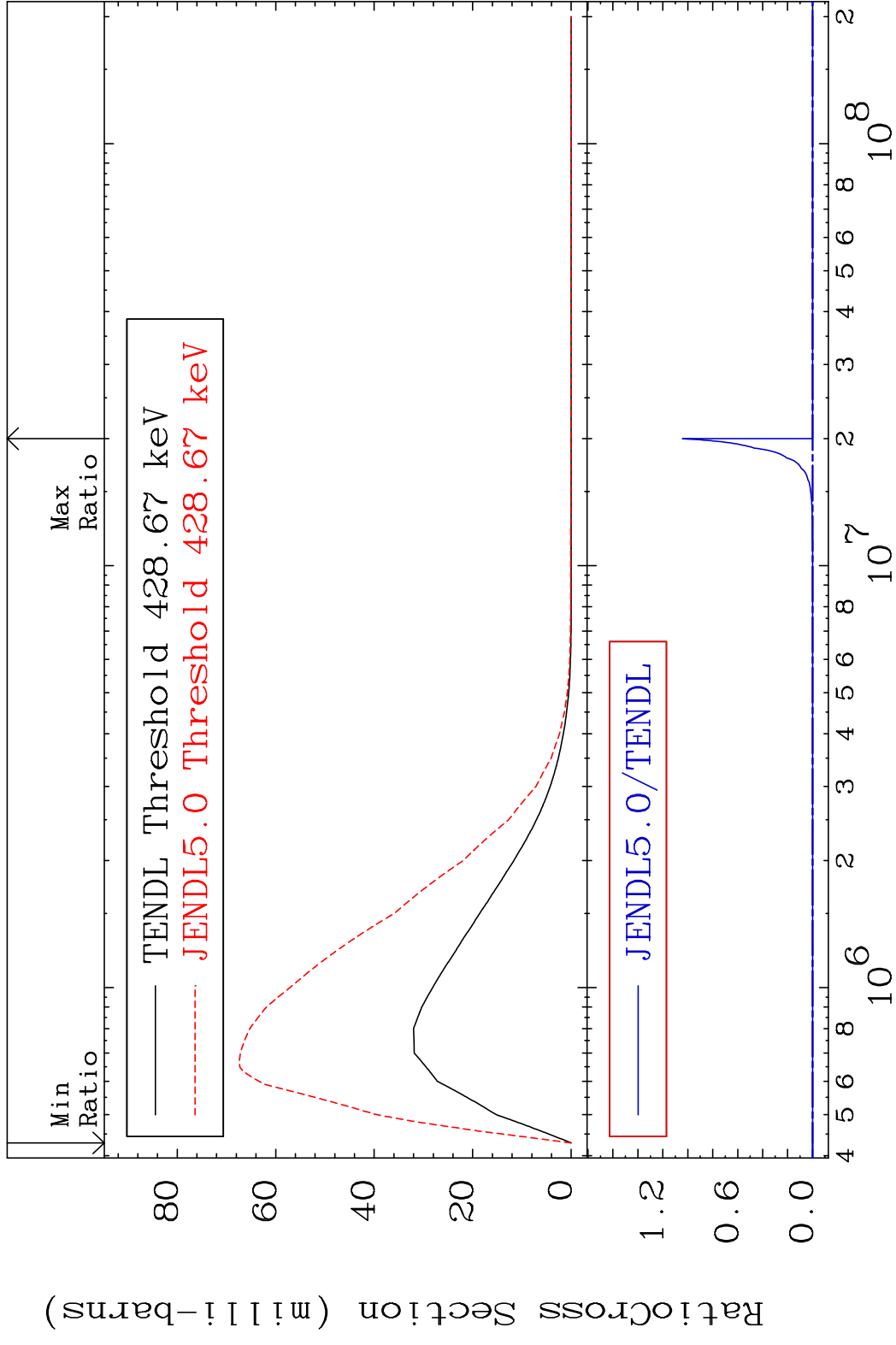
MAT 5128 MT= 71 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



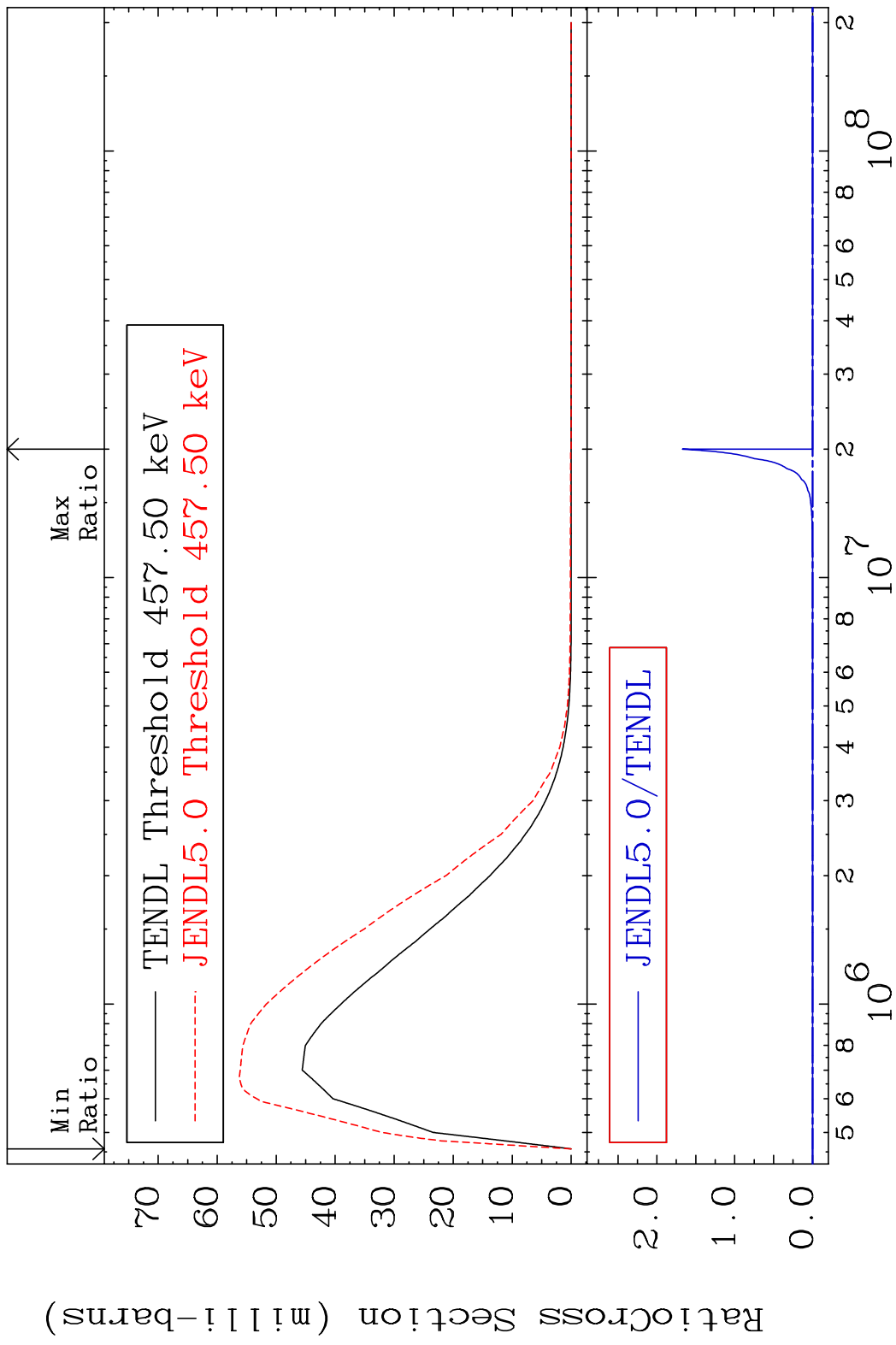
MAT 5128 MT= 72 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 203.2 %



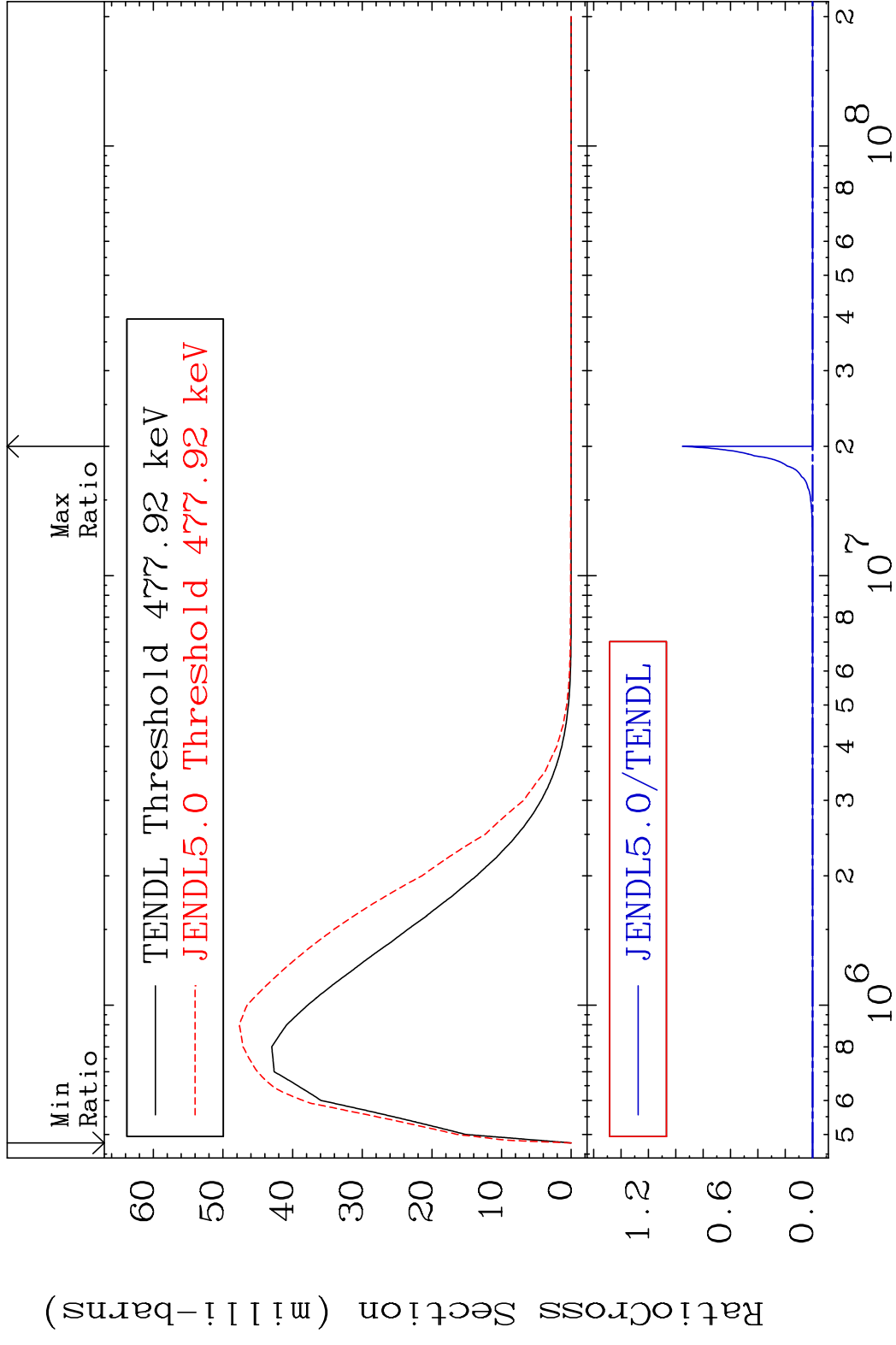
MAT 5128 MT= 73 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



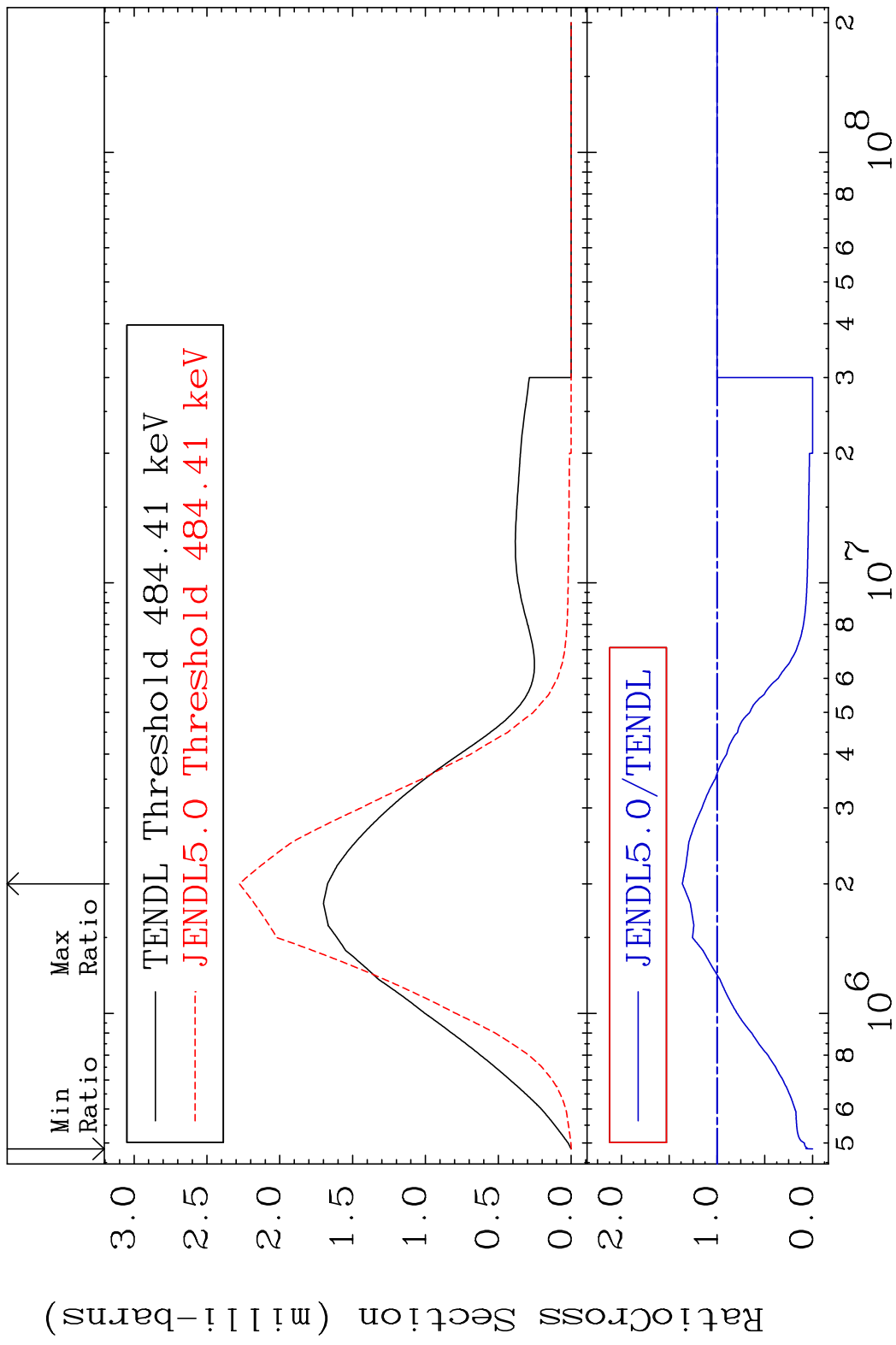
MAT 5128 MT= 74 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



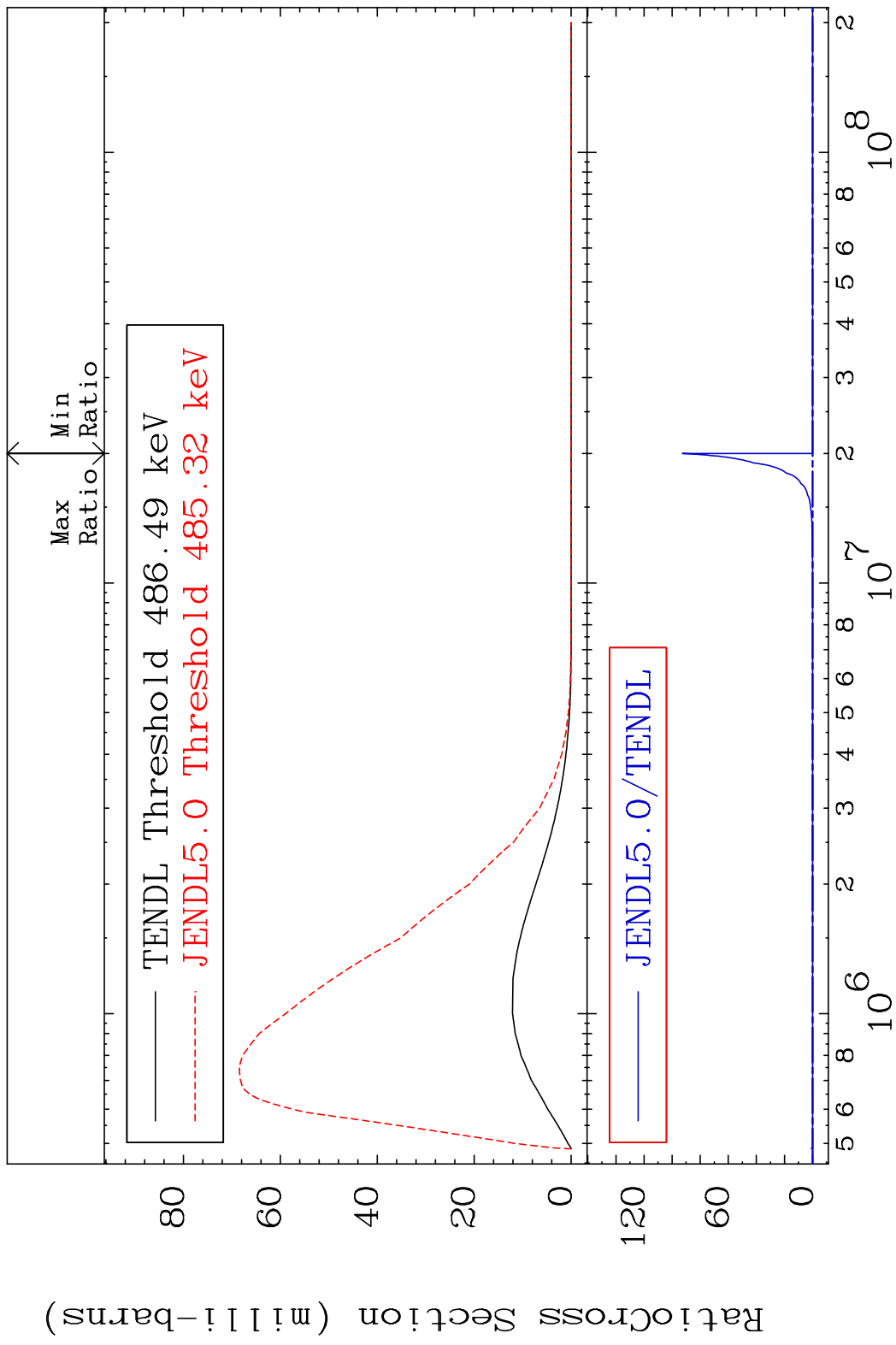
MAT 5128 MT= 75 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



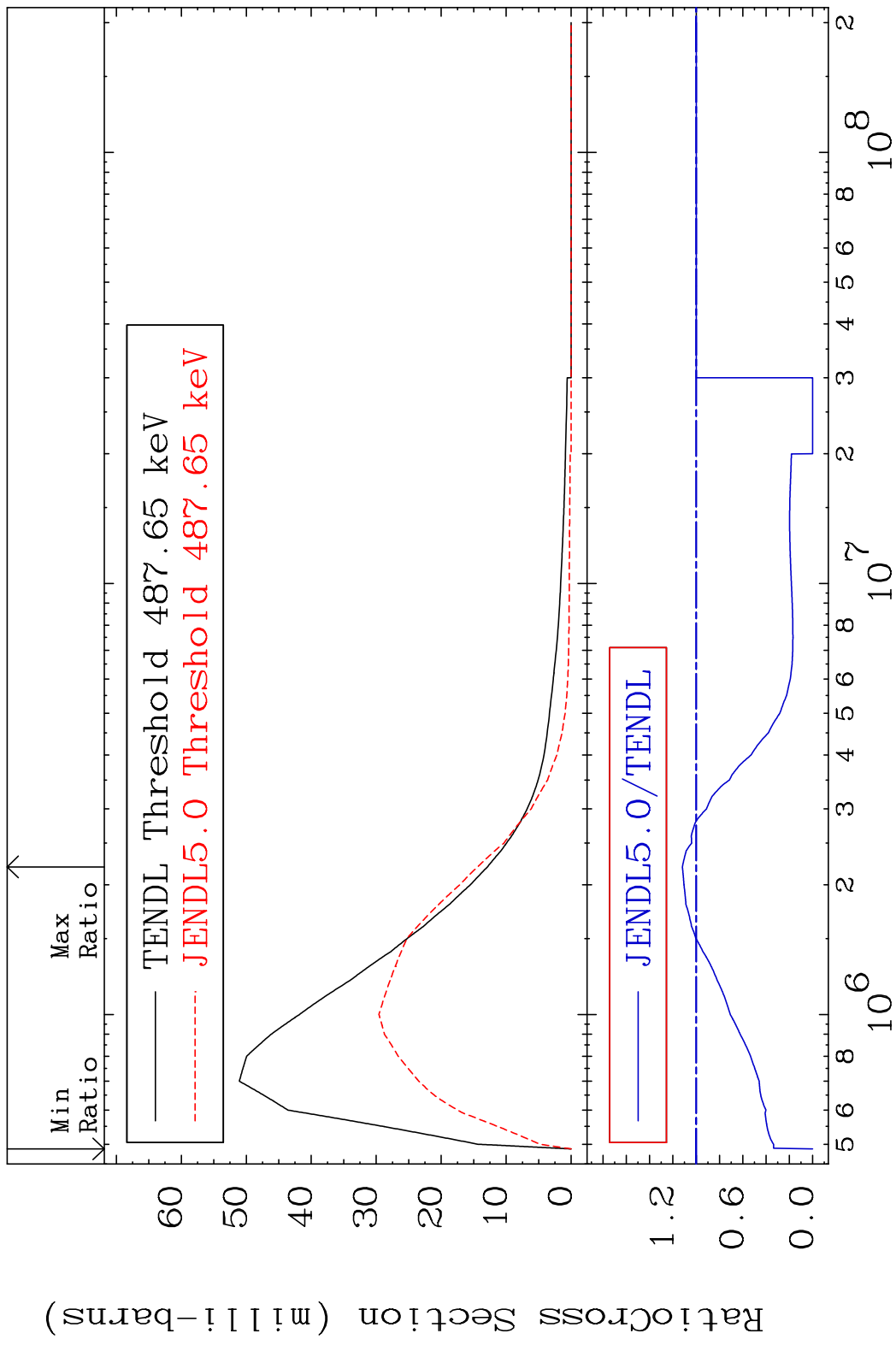
MAT 5128 MT= 76 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 36.22 %



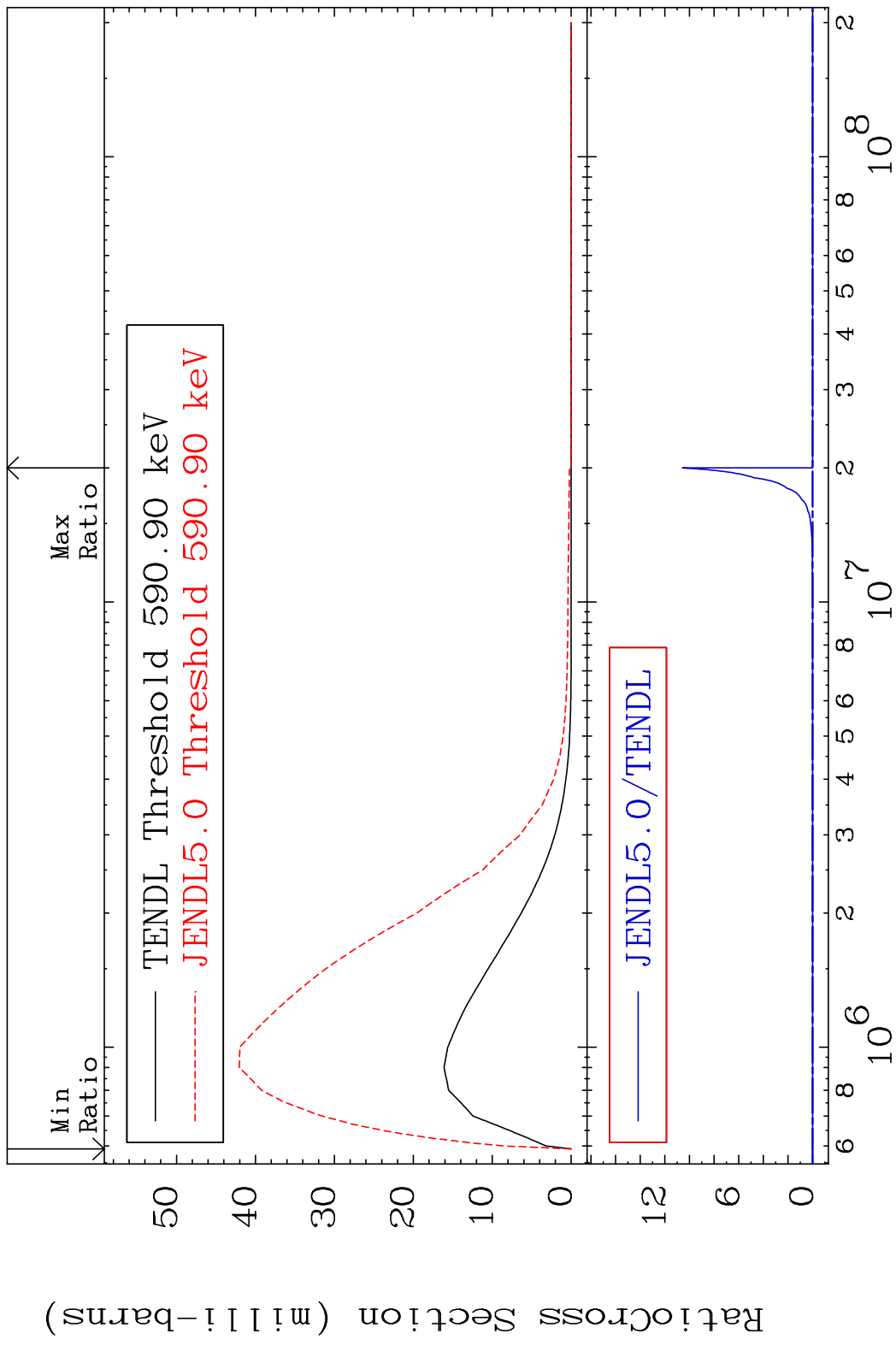
MAT 5128 MT= 77 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



MAT 5128 MT= 78 (n,n') Level 51-Sb-122
 Cross Section -100.0 To 11.89 %

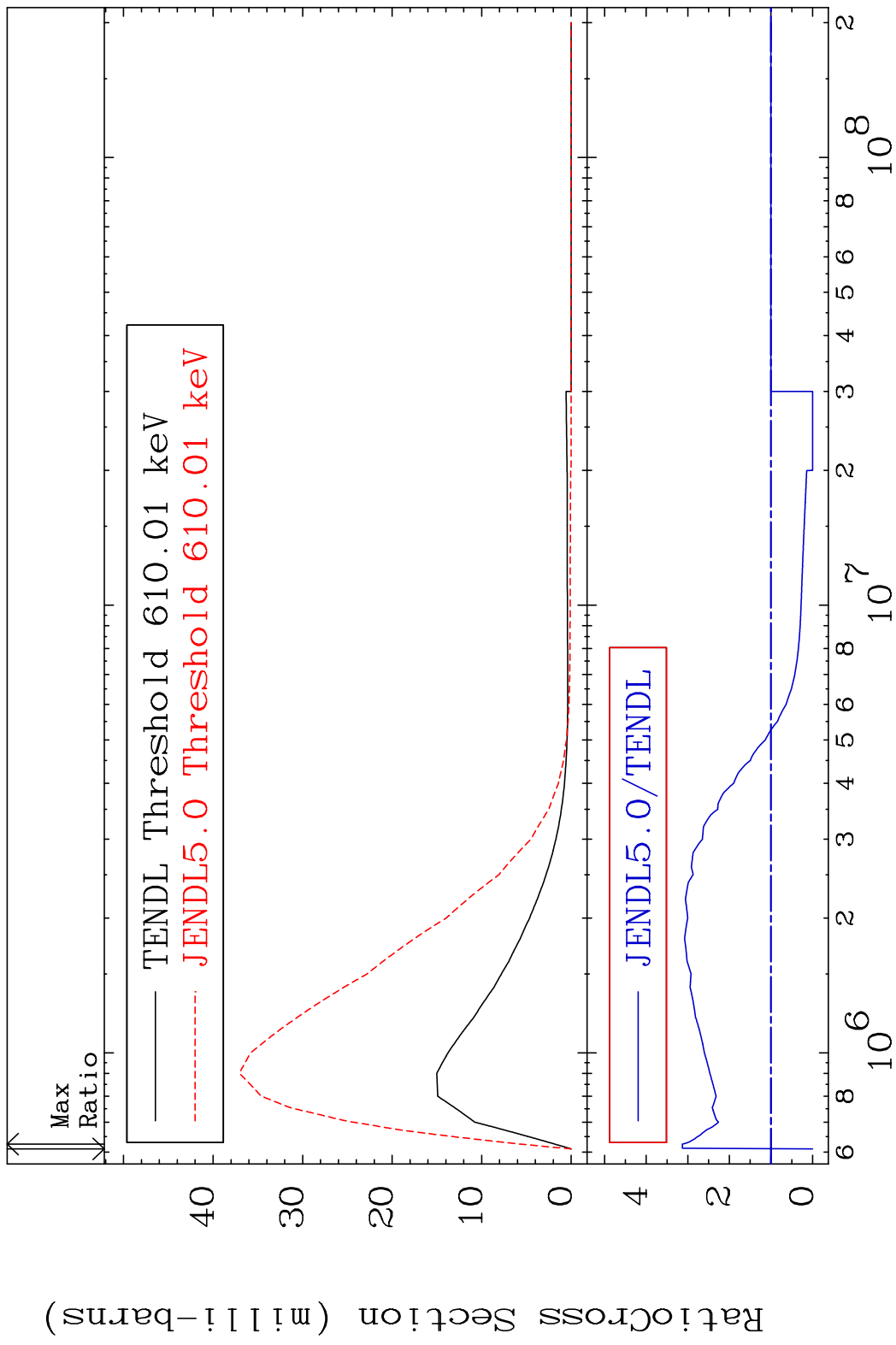


MAT 5128 MT= 79 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 51-Sb-122

MAT 5128 MT= 80 (n, n') Level 51-Sb-122
 Cross Section -100.0 To 213.1 %

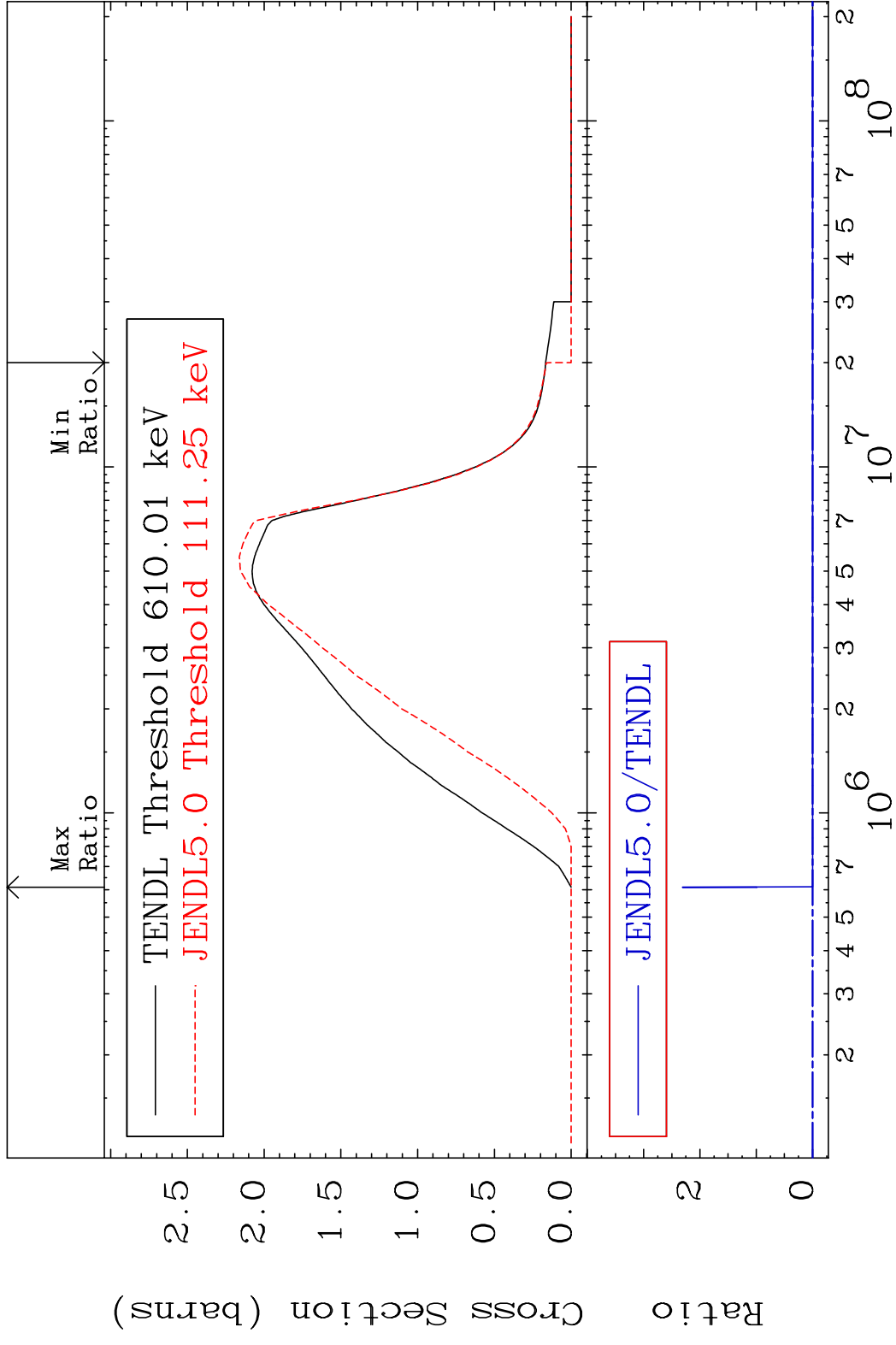


MAT 5128

(n,n') Continuum

51-Sb-122

Cross Section -100.0 To 9999. %

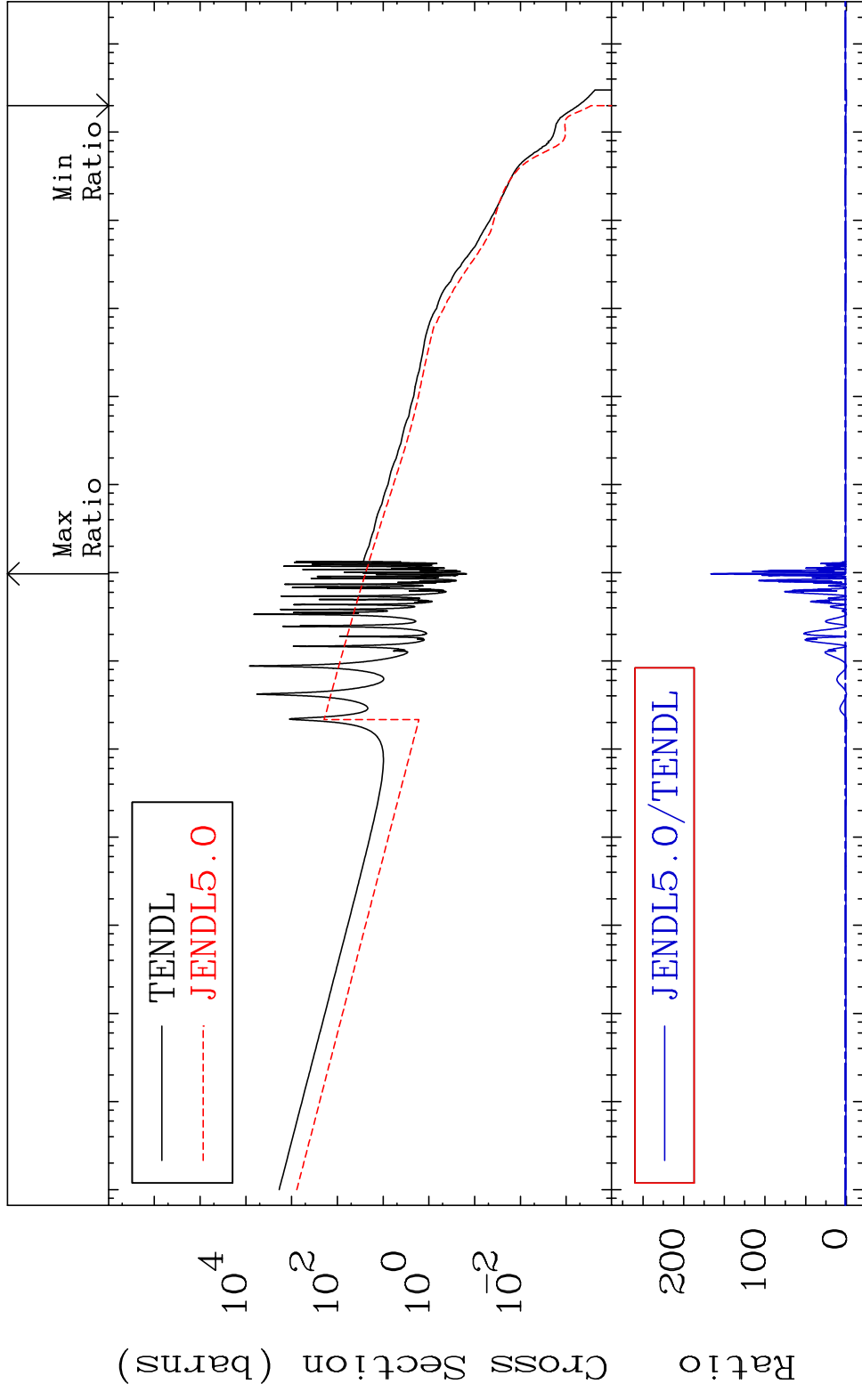


MAT 5128

51-Sb-122

(n, γ)

Cross Section -100.0 To 9999. %

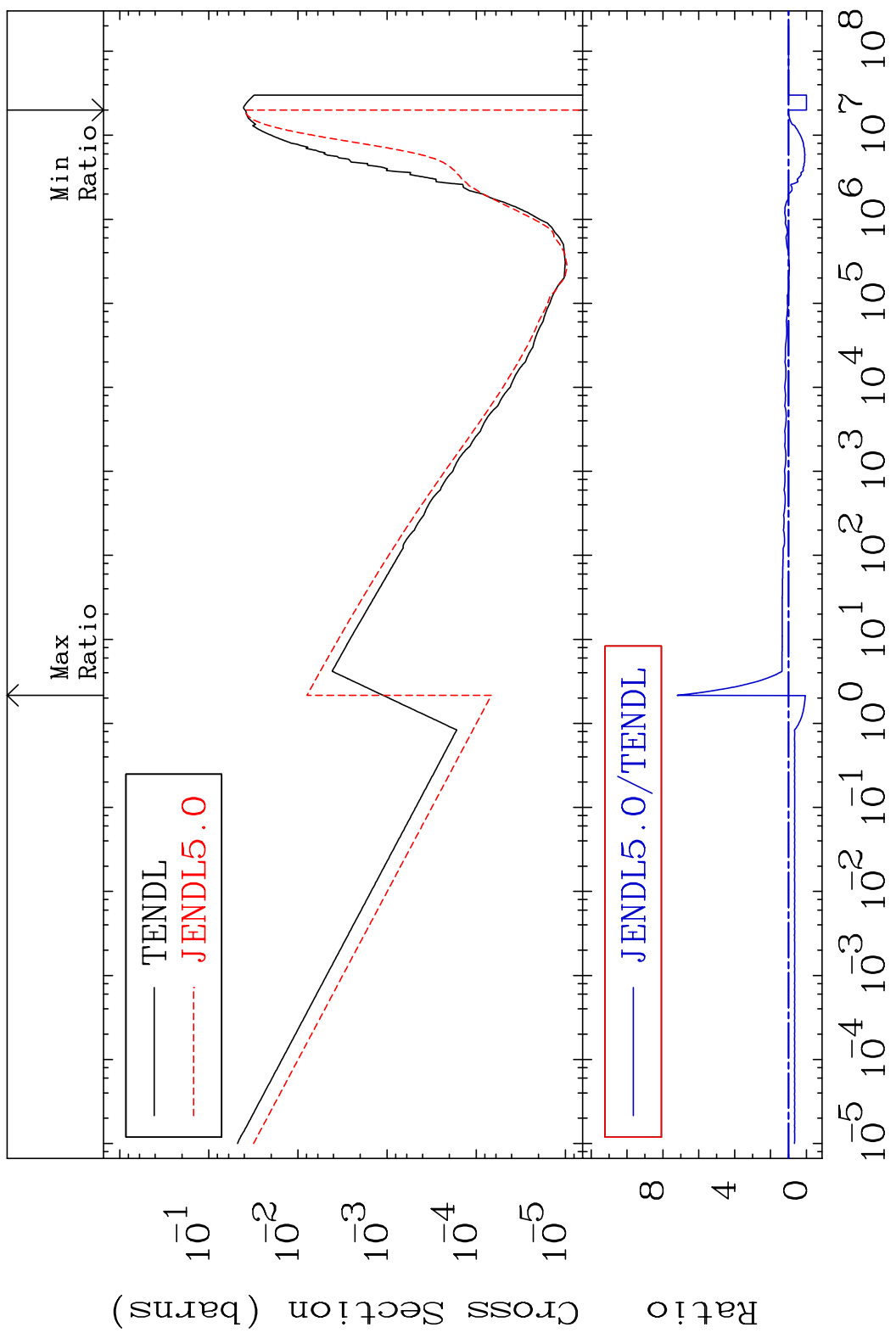


MAT 5128

(n, p)

51-Sb-122

Cross Section -100.0 To 620.3 %

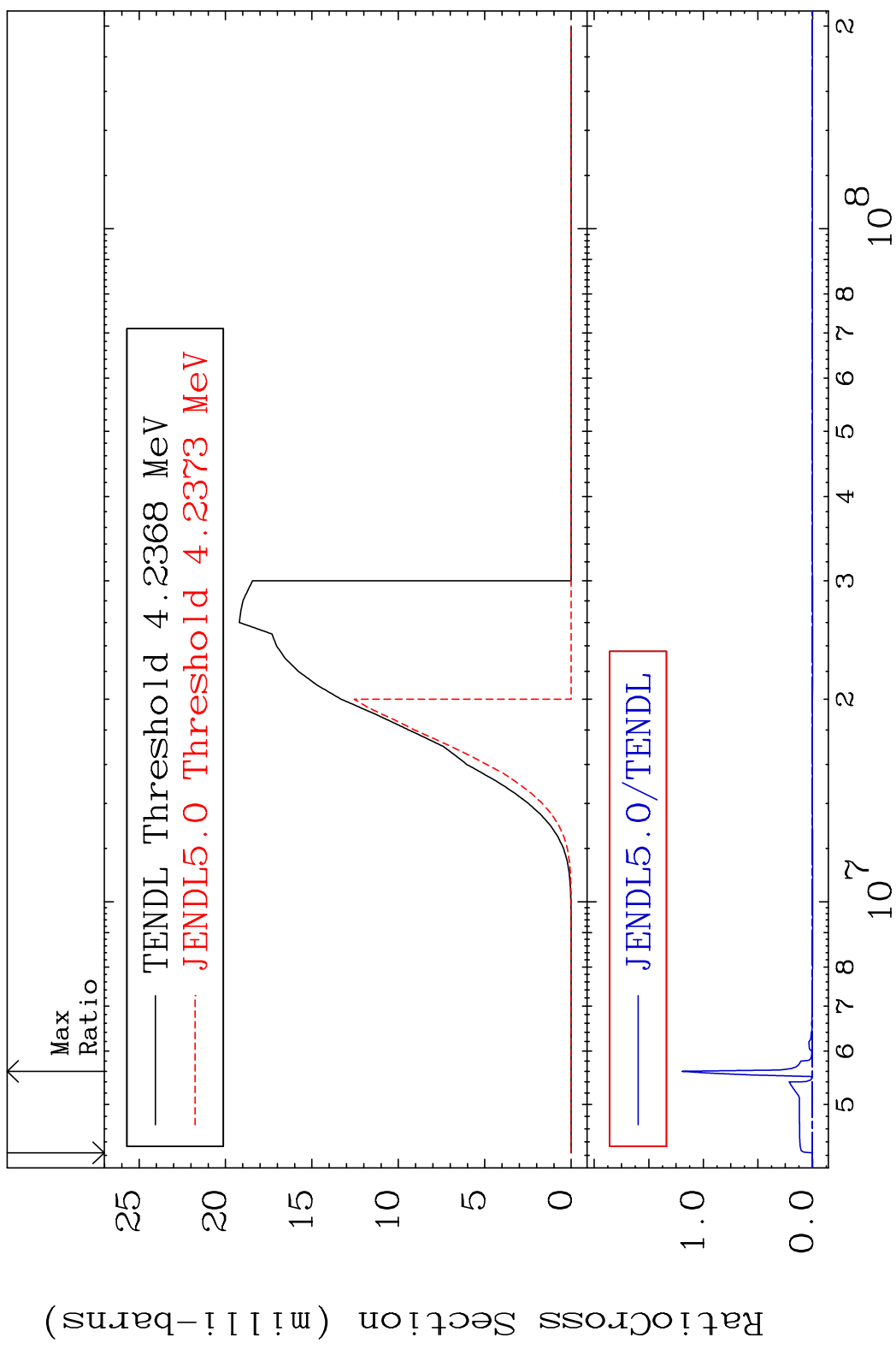


MAT 5128

(n,d)

51-Sb-122

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

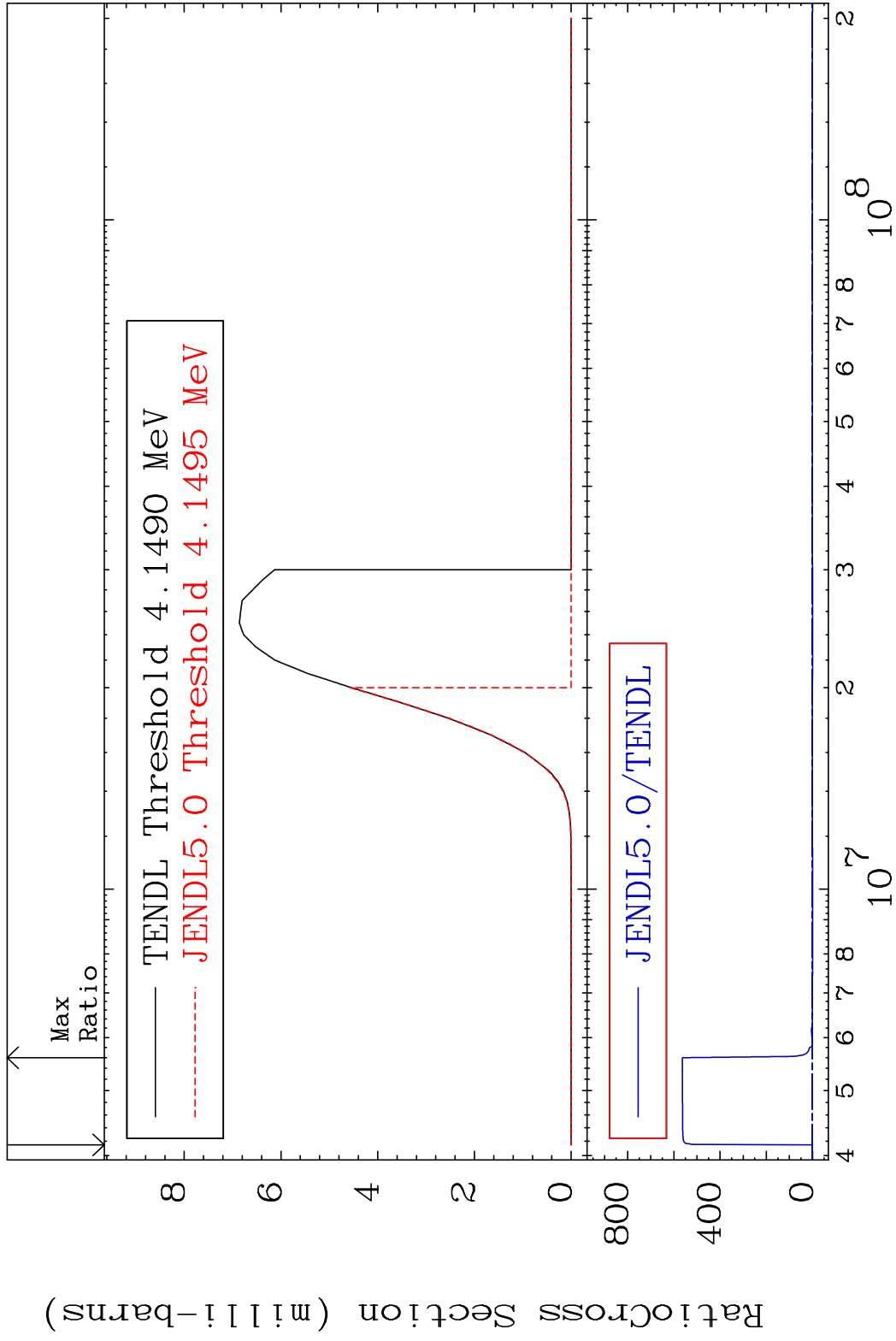
51-Sb-122

MAT 5128

(n, t)

51-Sb-122

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

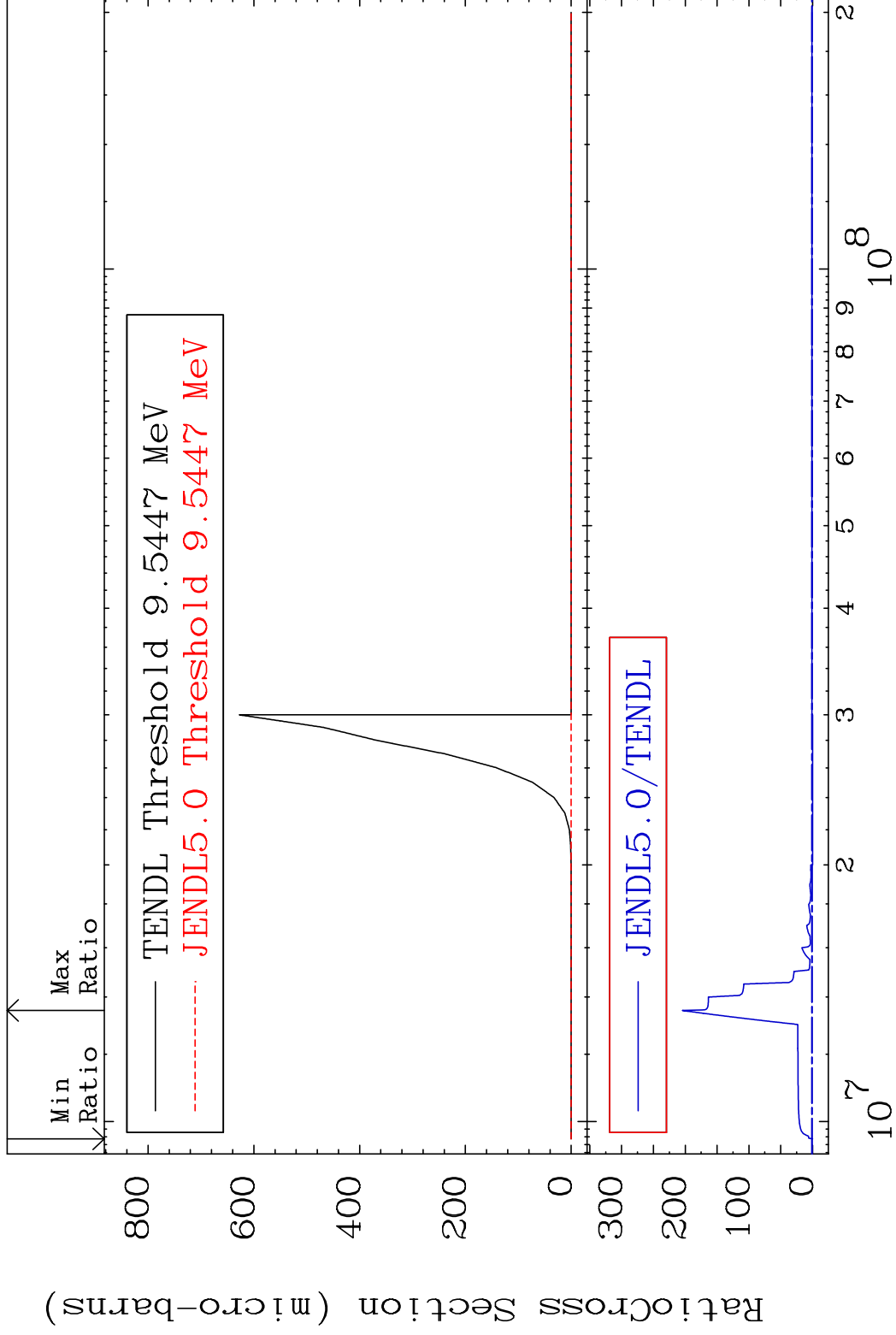
51-Sb-122

MAT 5128

(n, He-3)

51-Sb-122

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

51-Sb-122

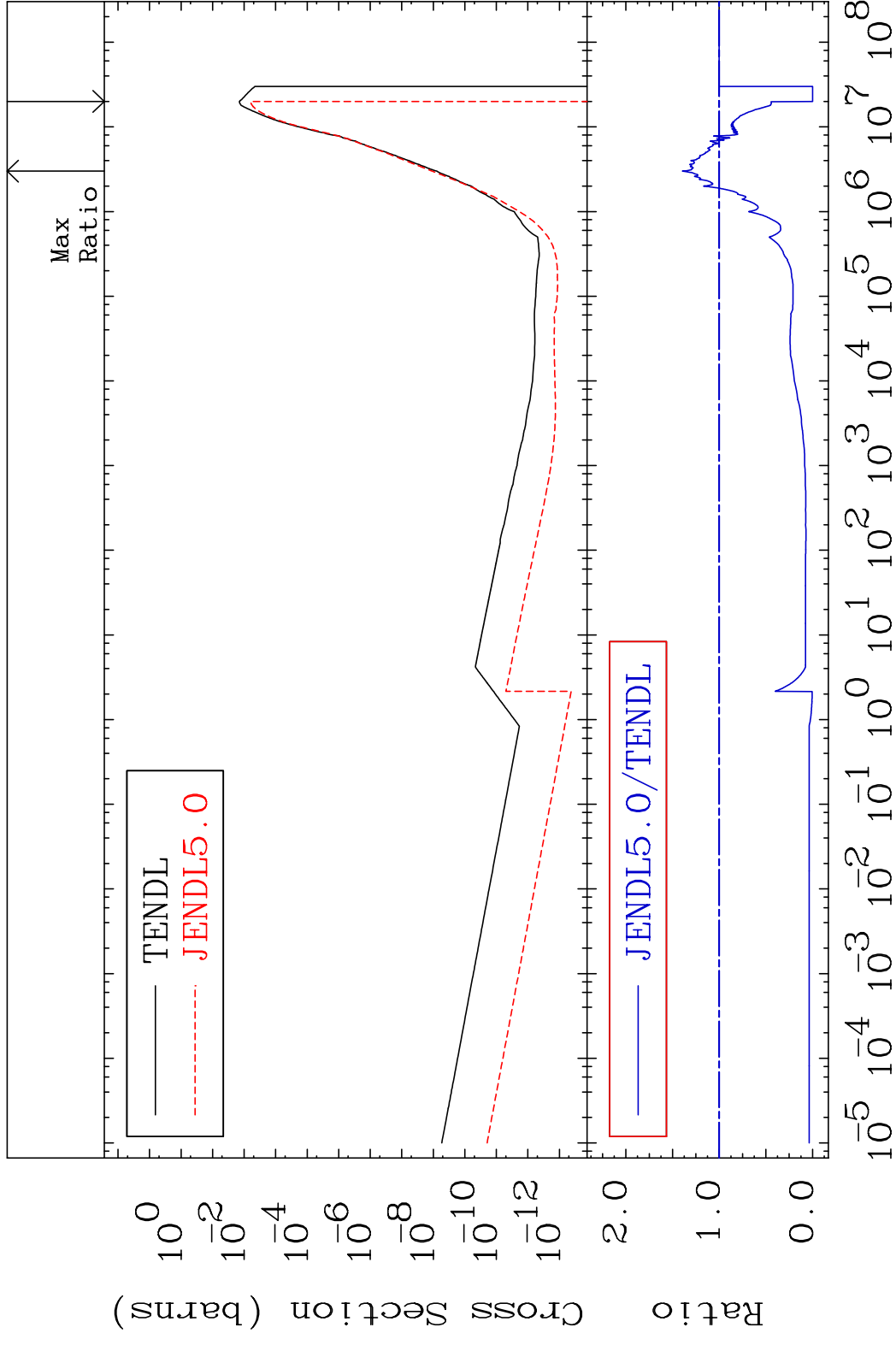
MAT 5128

(n, α)

51-Sb-122

Cross Section

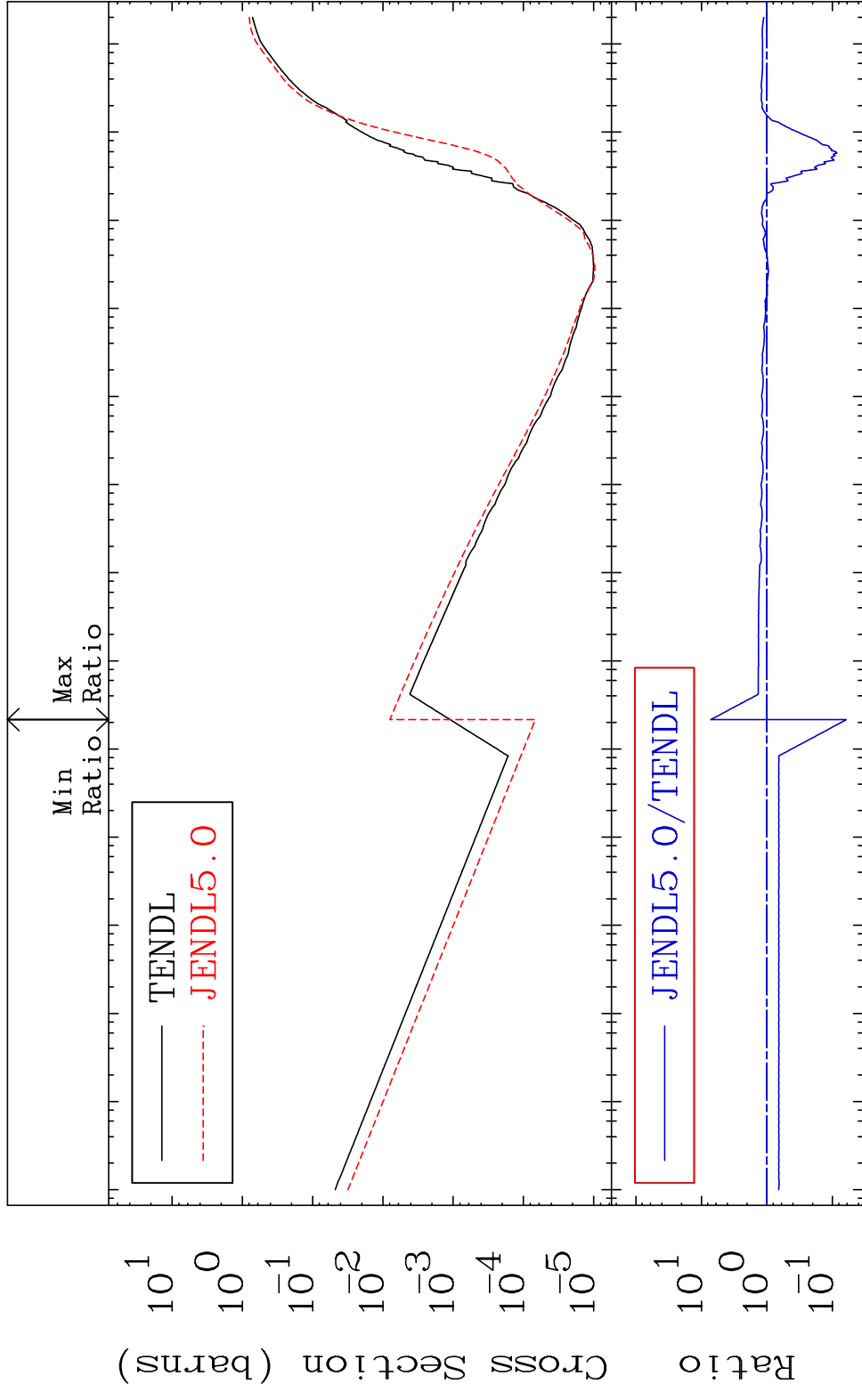
-100.0 To 39.49 %



MAT 5128

Hydrogen Production
Cross Section -93.86 To 620.3 %

51-Sb-122

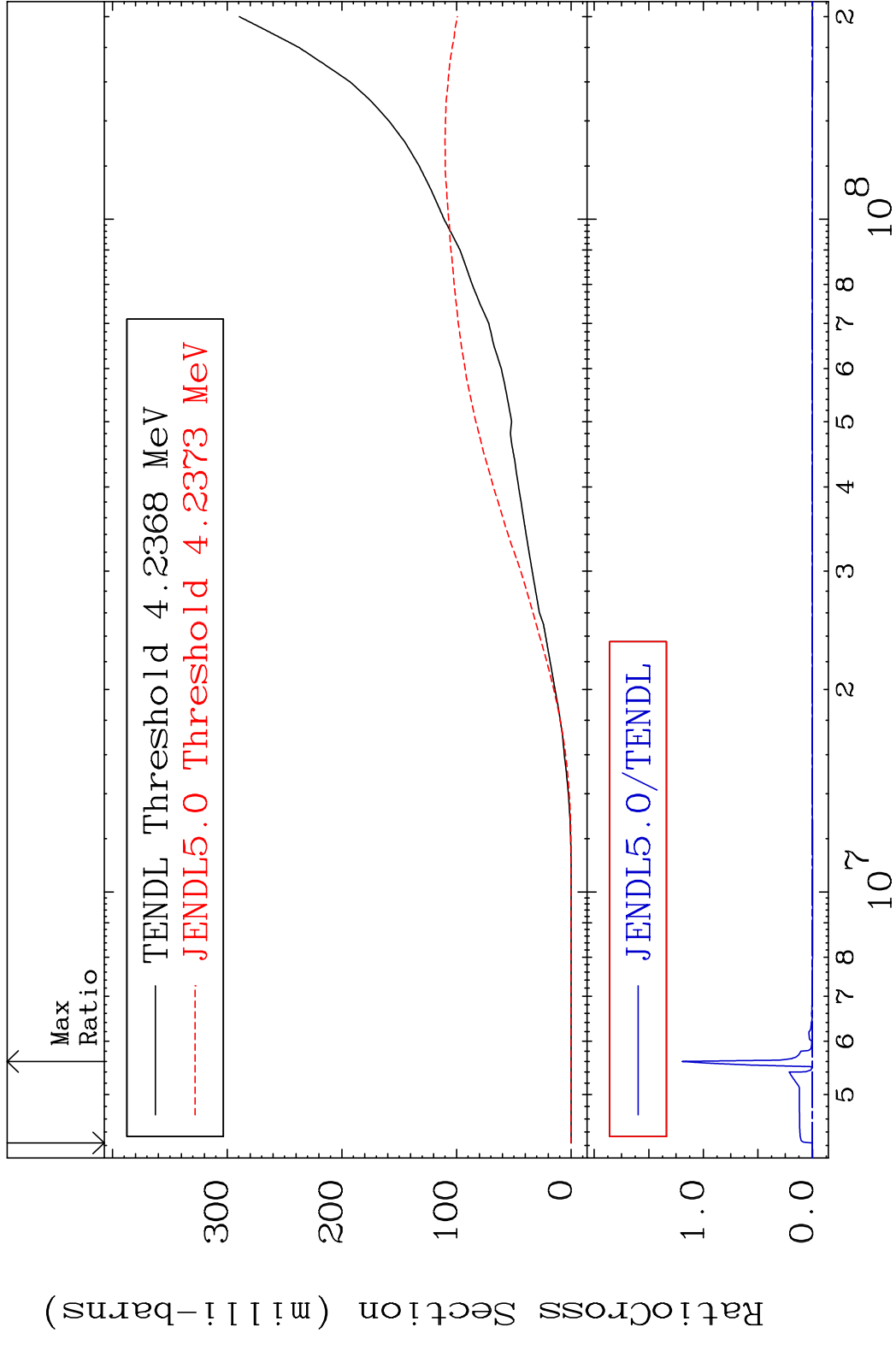


MAT 5128

Deuterium Production

51-Sb-122

Cross Section -100.0 To 9999. %

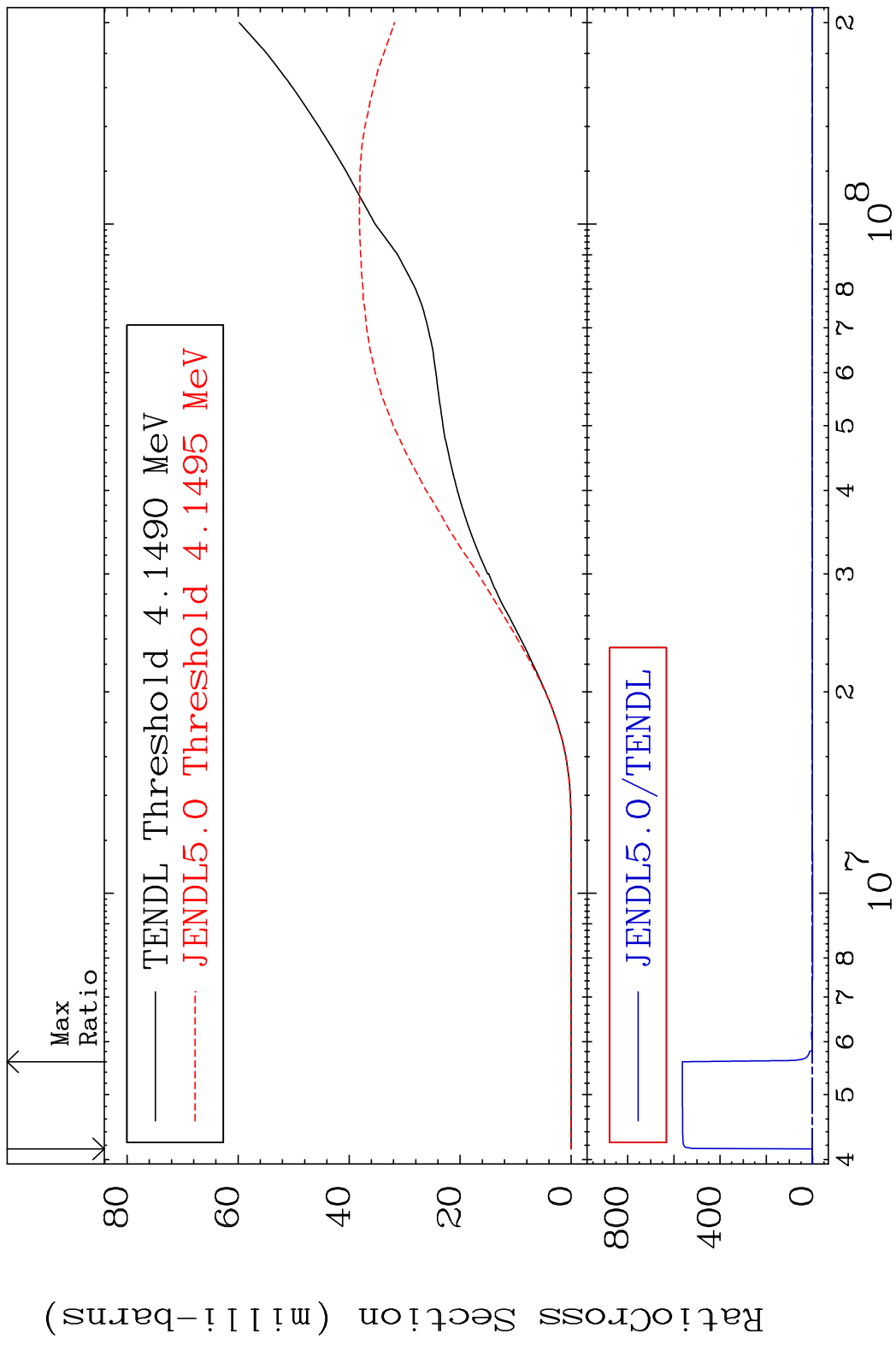


50

Incident Energy (eV)

51-Sb-122

MAT 5128 Tritium Production 51-Sb-122
 Cross Section -100.0 To 9999. %

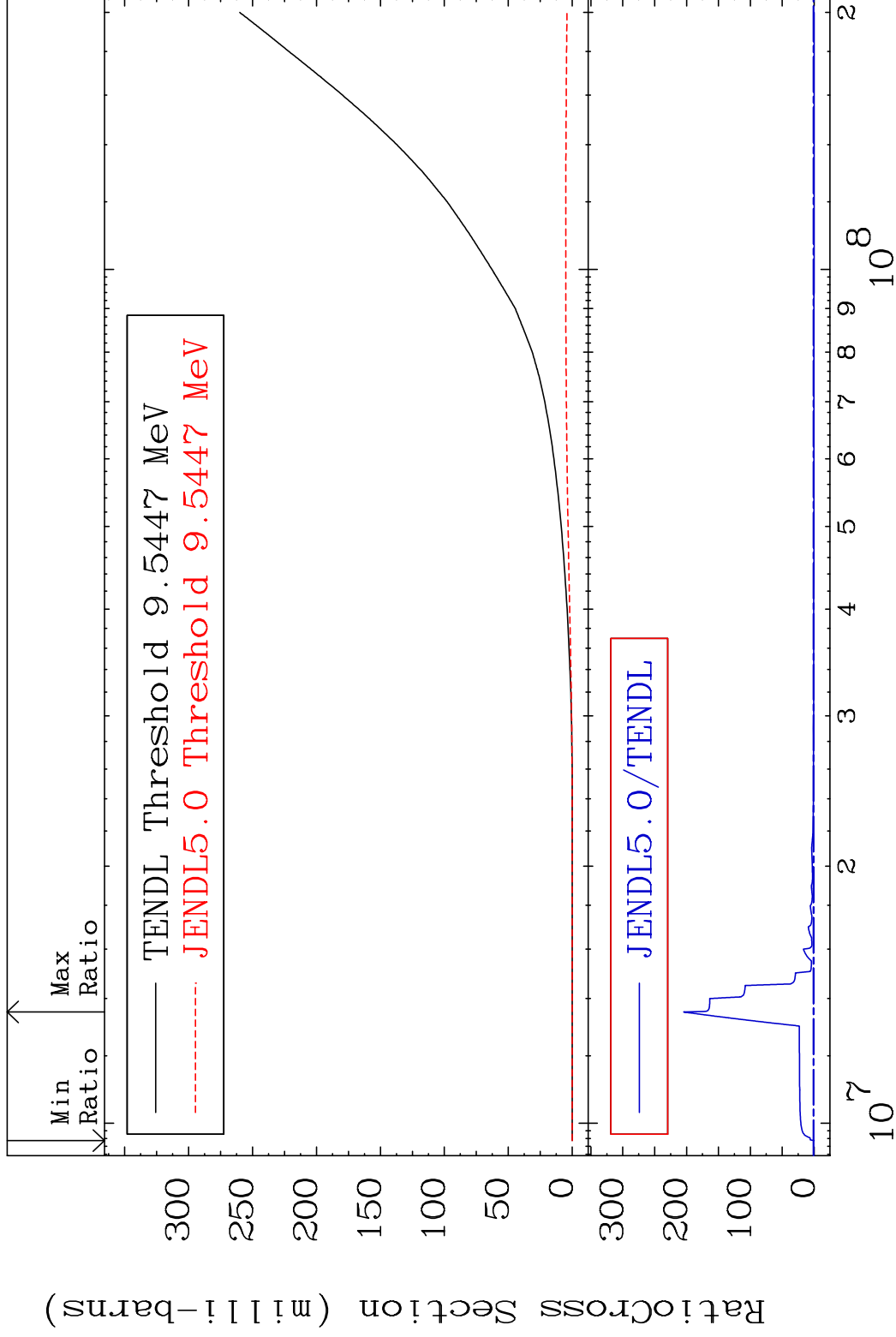


MAT 5128

He-3 Production

51-Sb-122

Cross Section -100.0 To 9999. %



52

Incident Energy (eV)

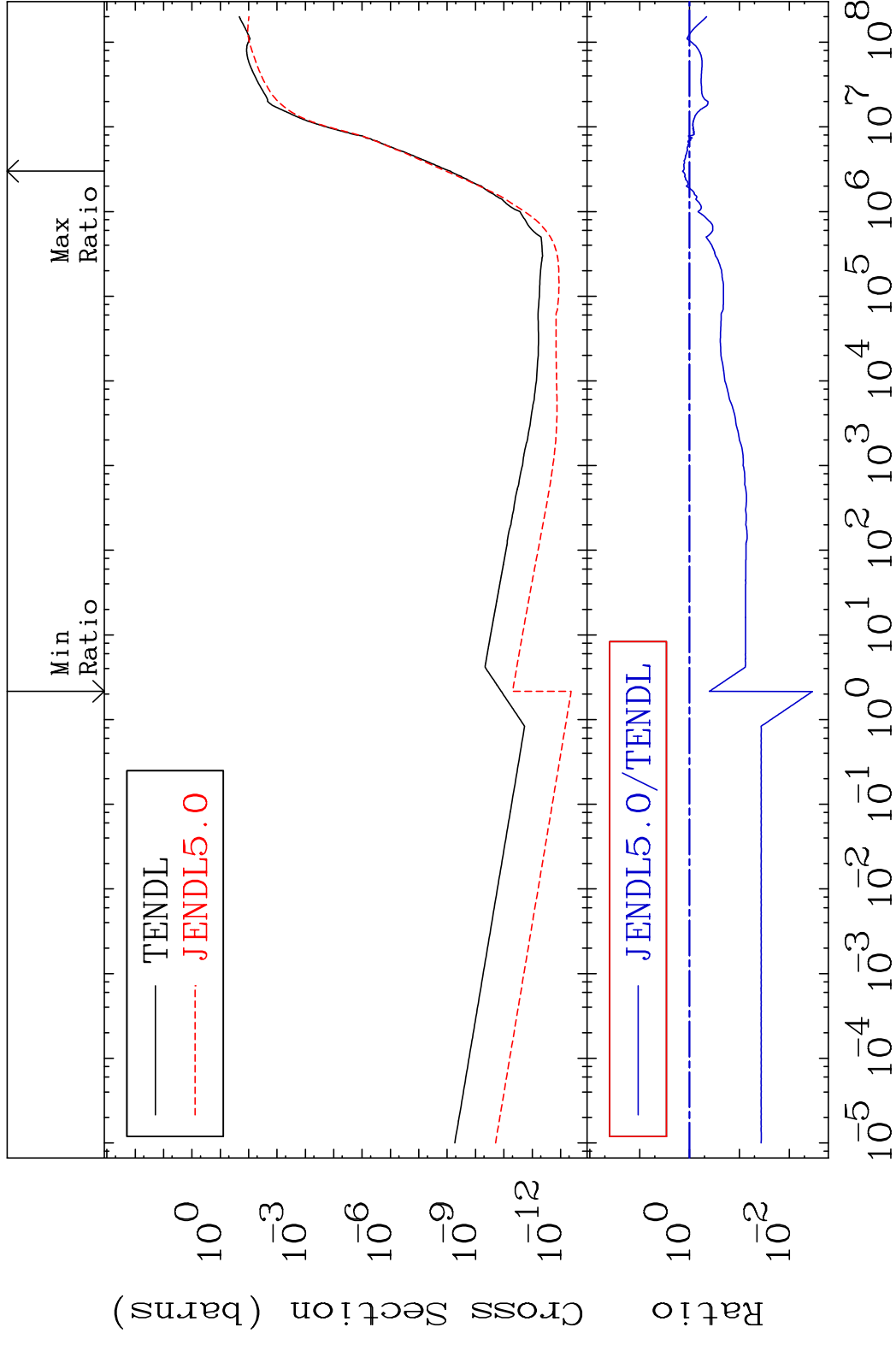
51-Sb-122

MAT 5128

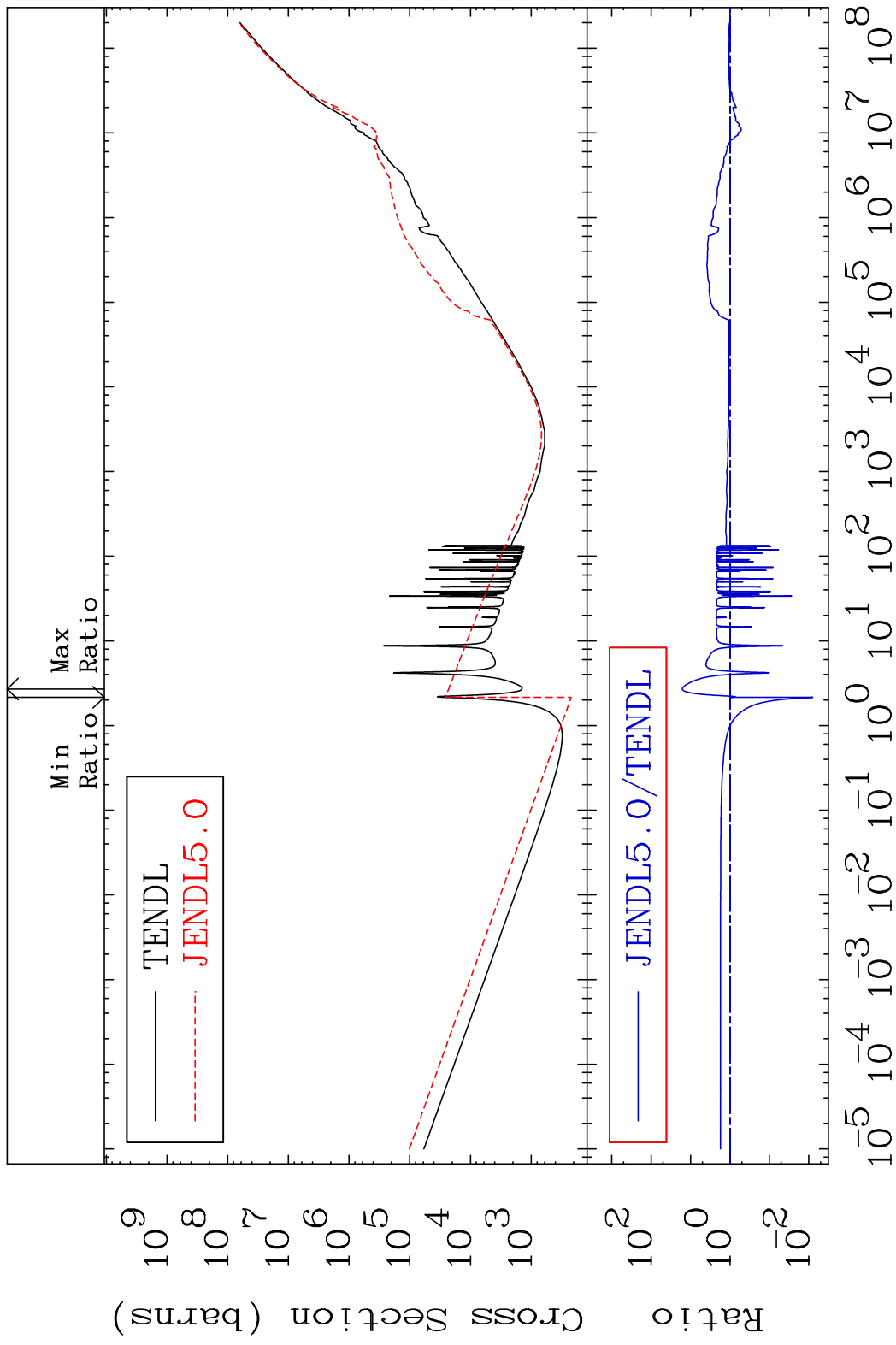
He-4 Production

51-Sb-122

Cross Section -99.66 To 39.49 %



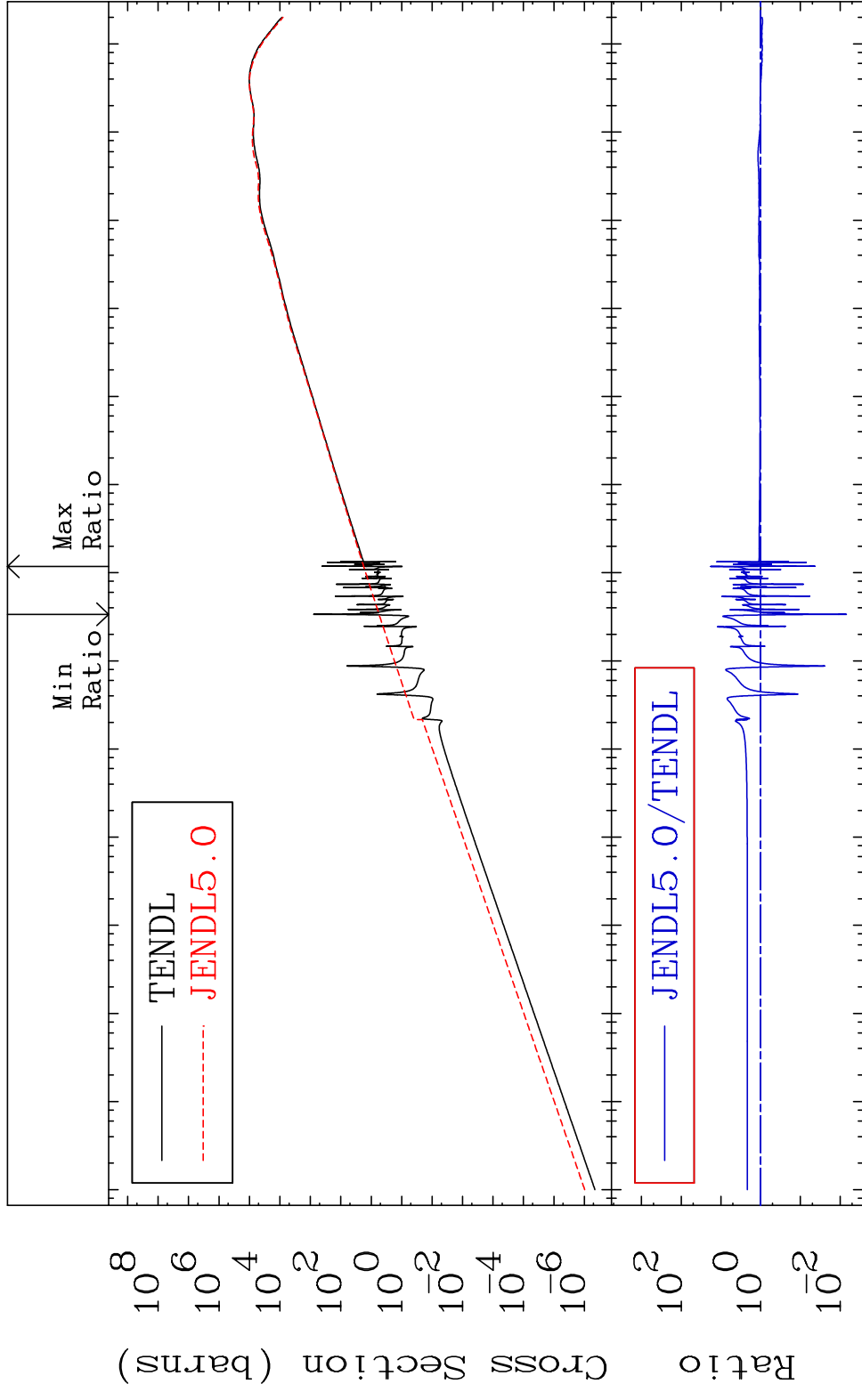
MAT 5128 Kerma total (eV-barns) 51-Sb-122
 Cross Section -99.20 To 1514. %



MAT 5128

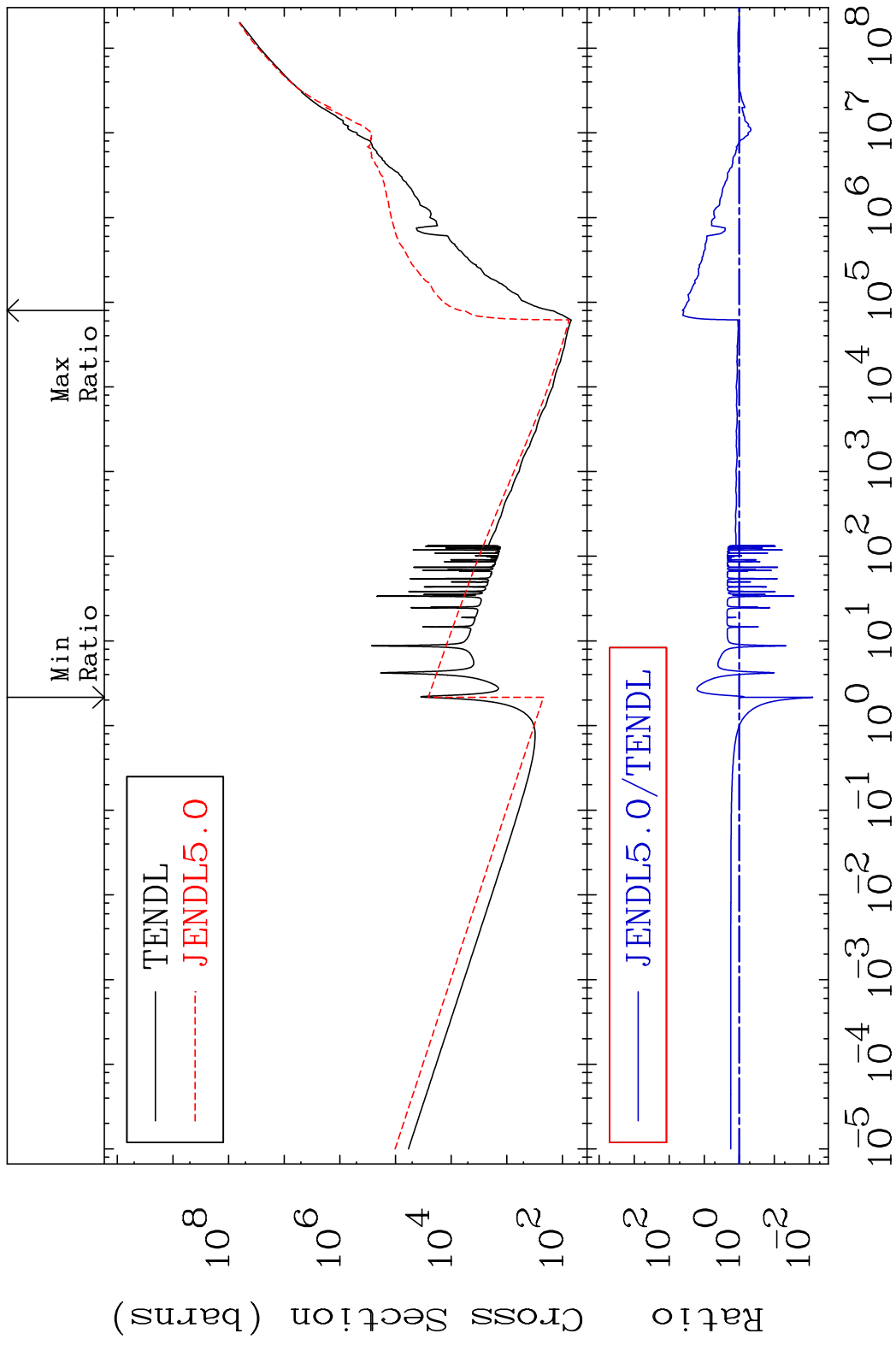
Kerma elastic
Cross Section

51-Sb-122
-99.30 To 1706. %

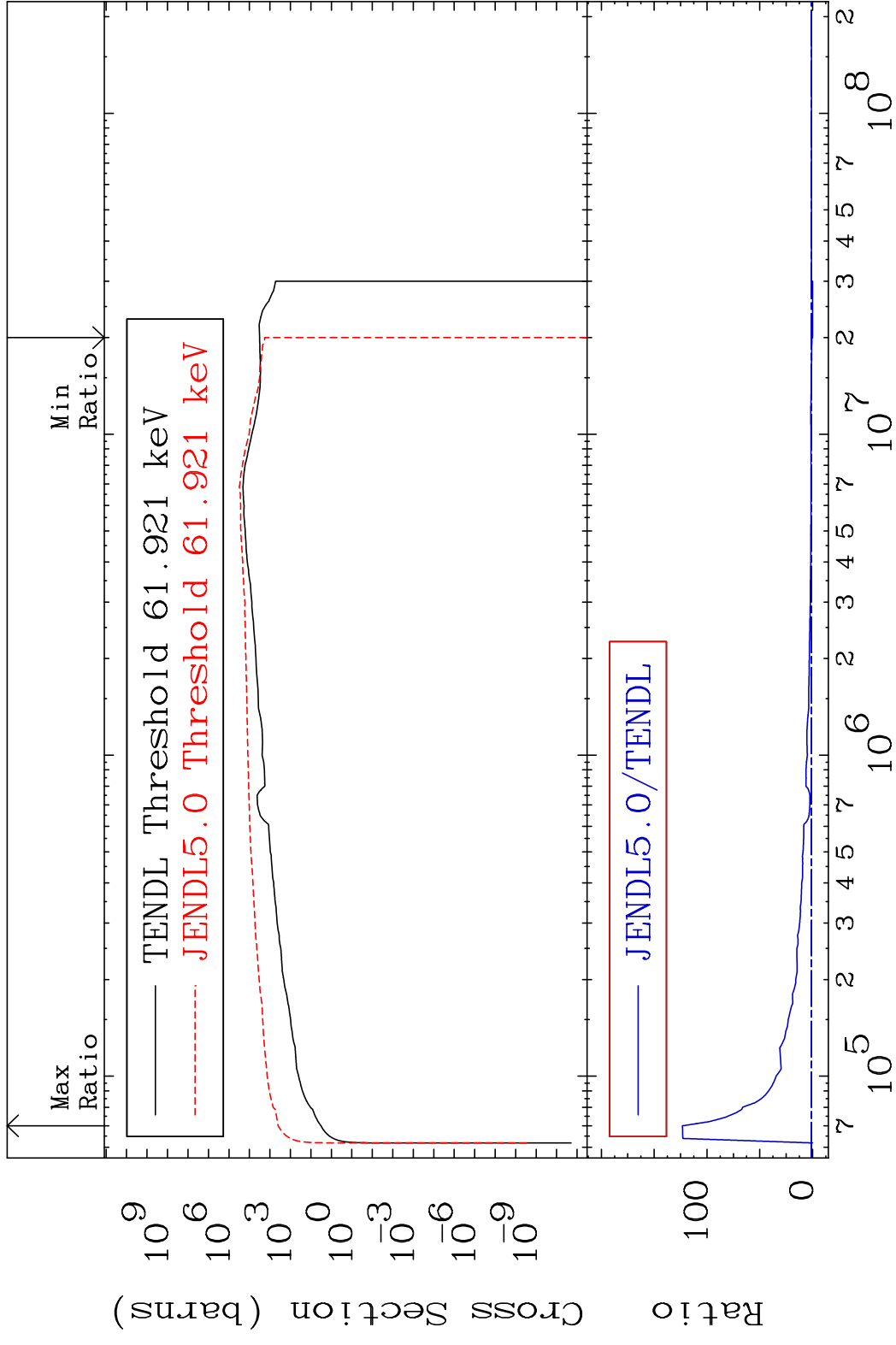


Incident Energy (eV)

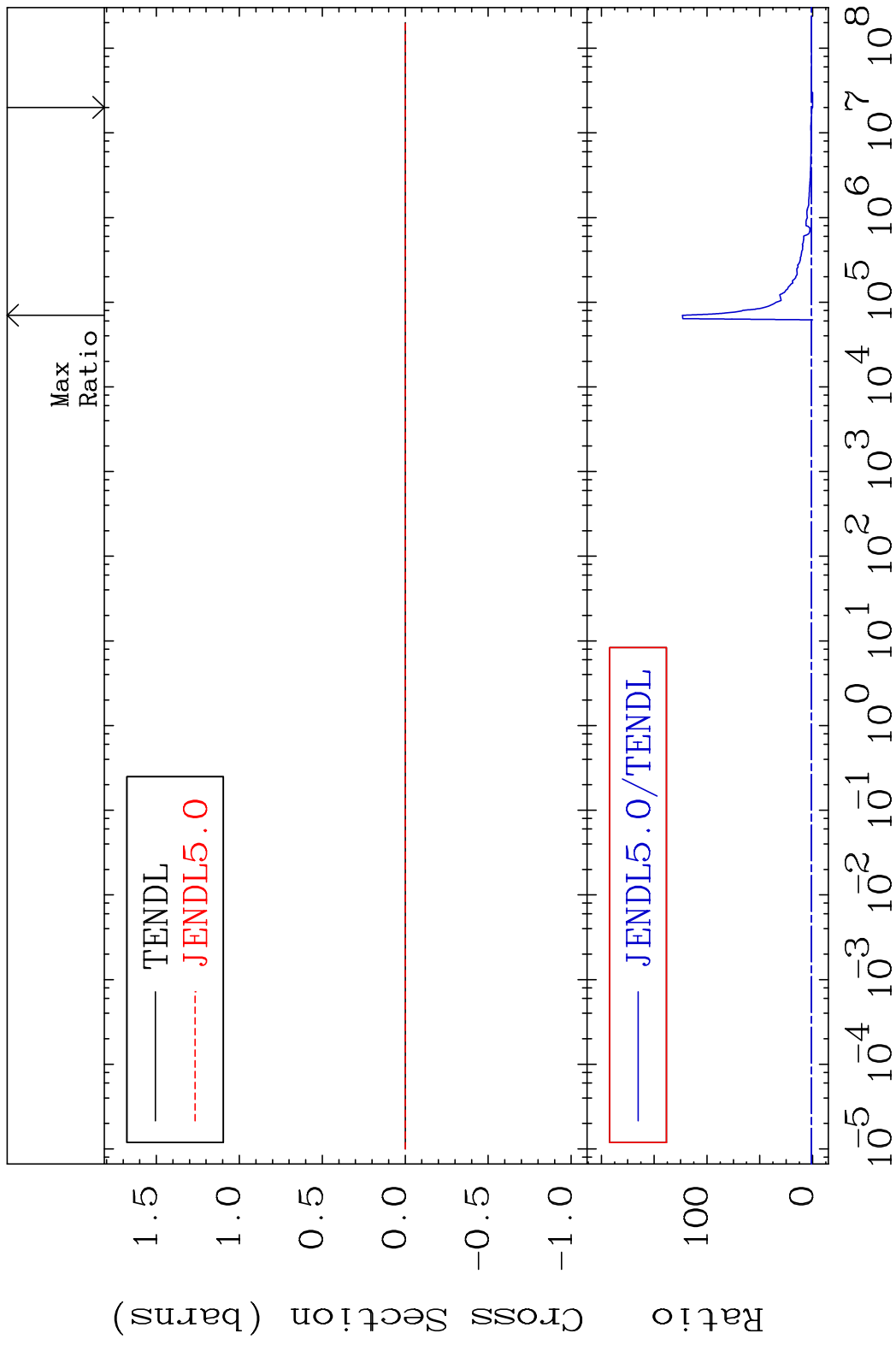
MAT 5128 Kerma non-elastic (all but mt2) 51-Sb-122
 Cross Section -99.20 To 4110. %



MAT 5128 Kerma inelastic (mt51-91) 51-Sb-122
 Cross Section -100.0 To 9999. %



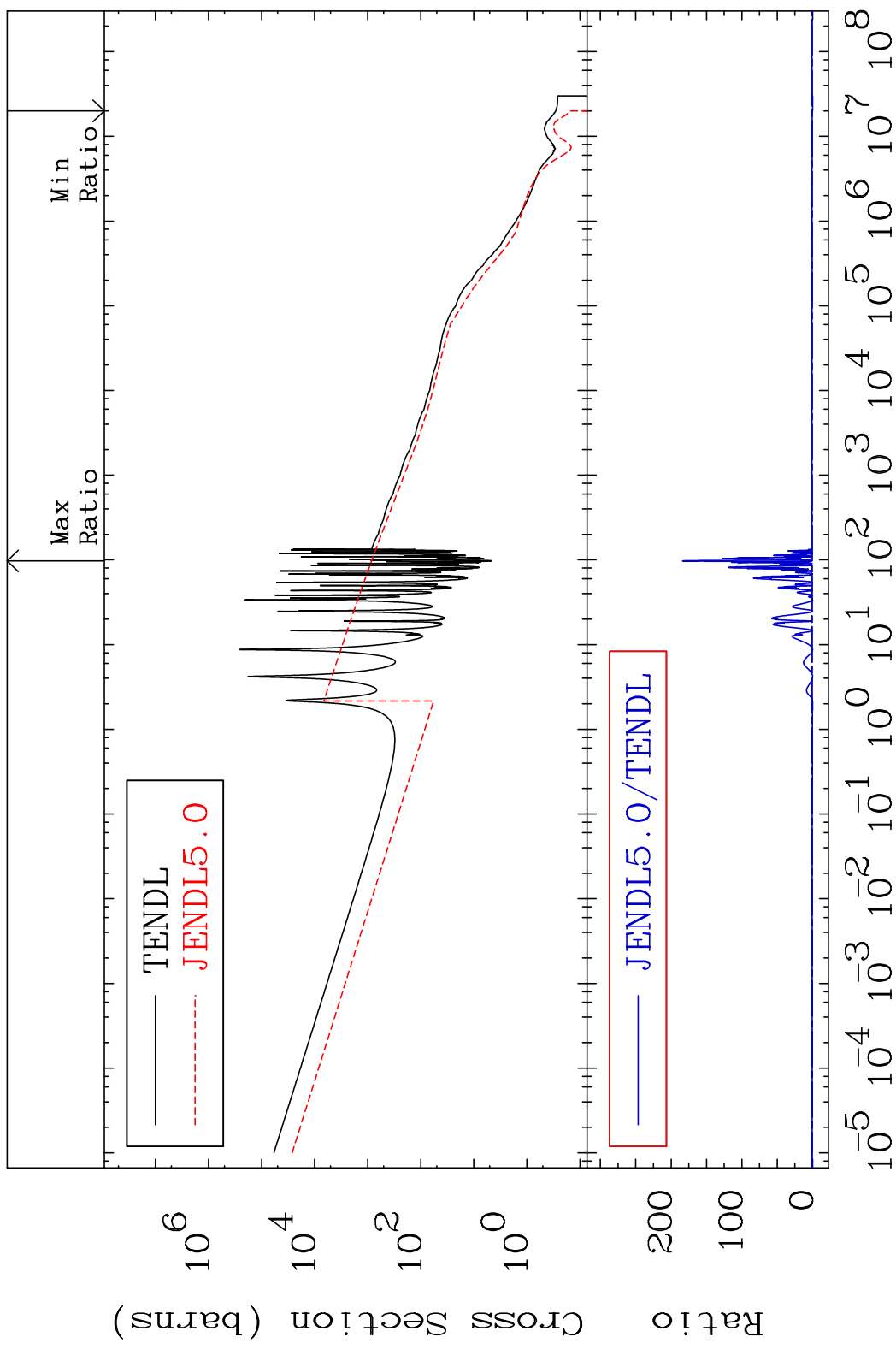
MAT 5128 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-122
 Cross Section -100.0 To 9999. %



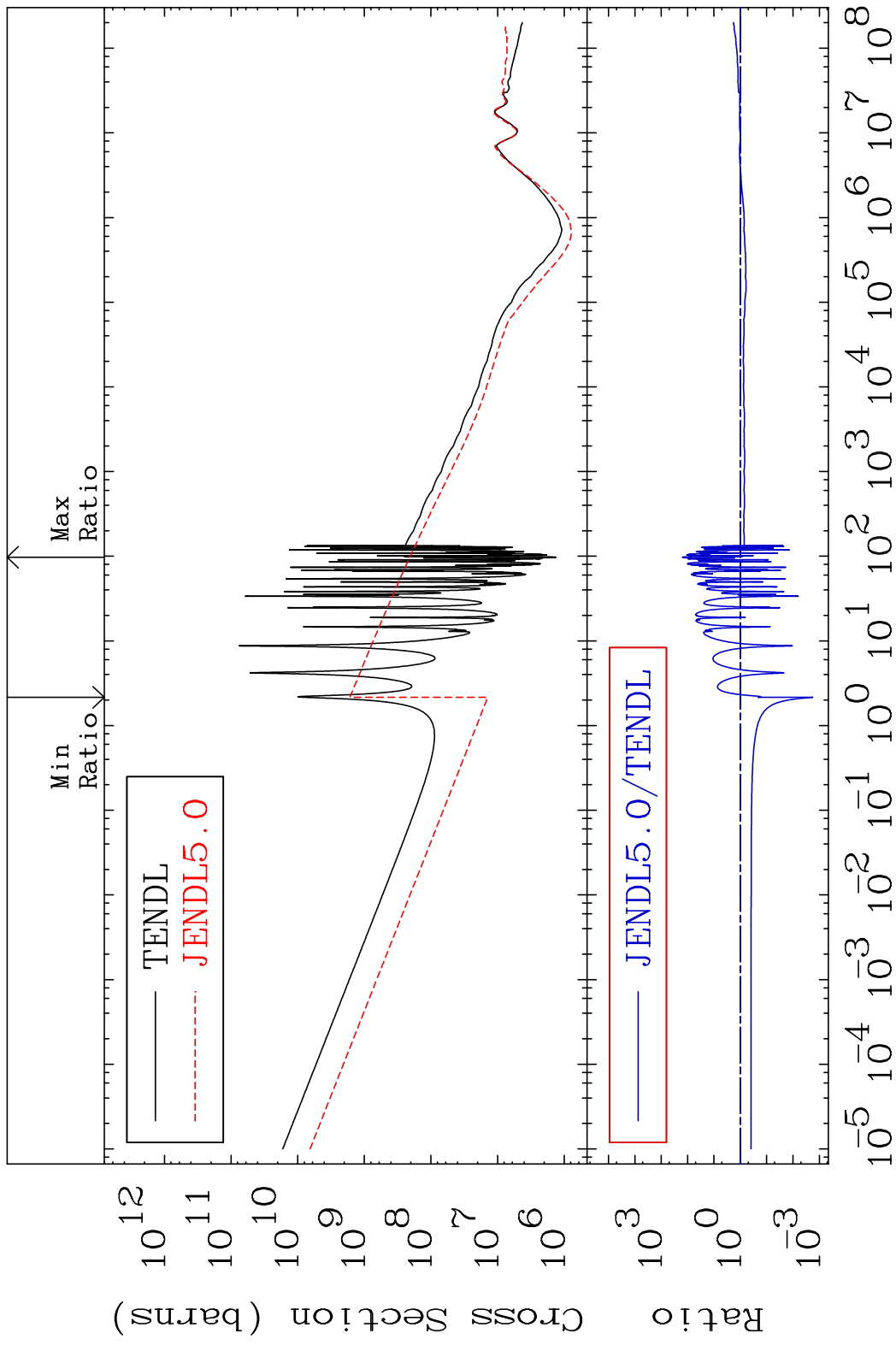
MAT 5128

Kerma capture (mt102) 51-Sb-122

Cross Section -100.0 To 9999. %

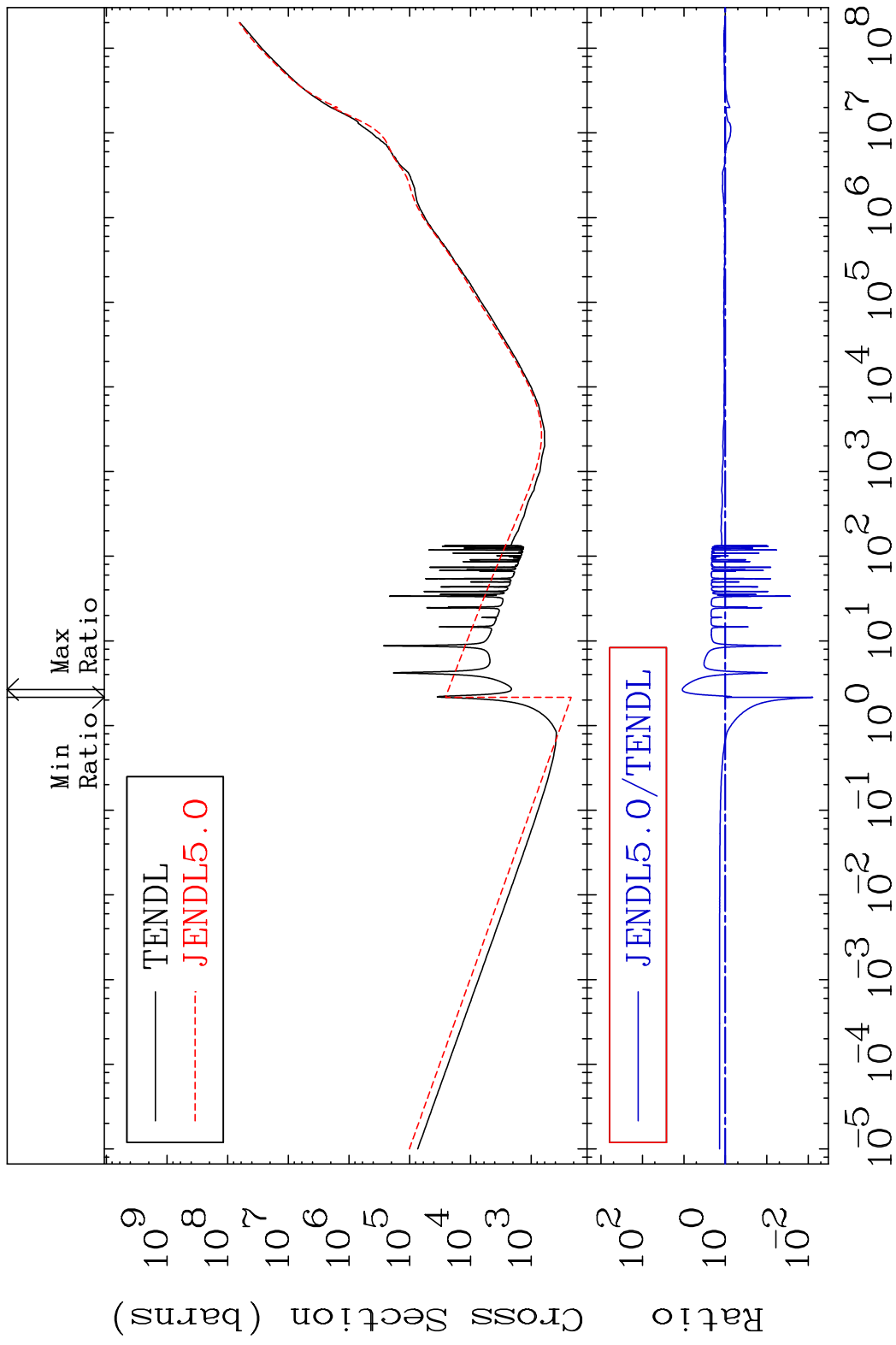


MAT 5128 Total photon (eV-barns) 51-Sb-122
 Cross Section -99.82 To 9999. %



60 Incident Energy (eV) 51-Sb-122

MAT 5128 Total kinematic kerma (high limit) 51-Sb-122
 Cross Section -99.21 To 988.2 %

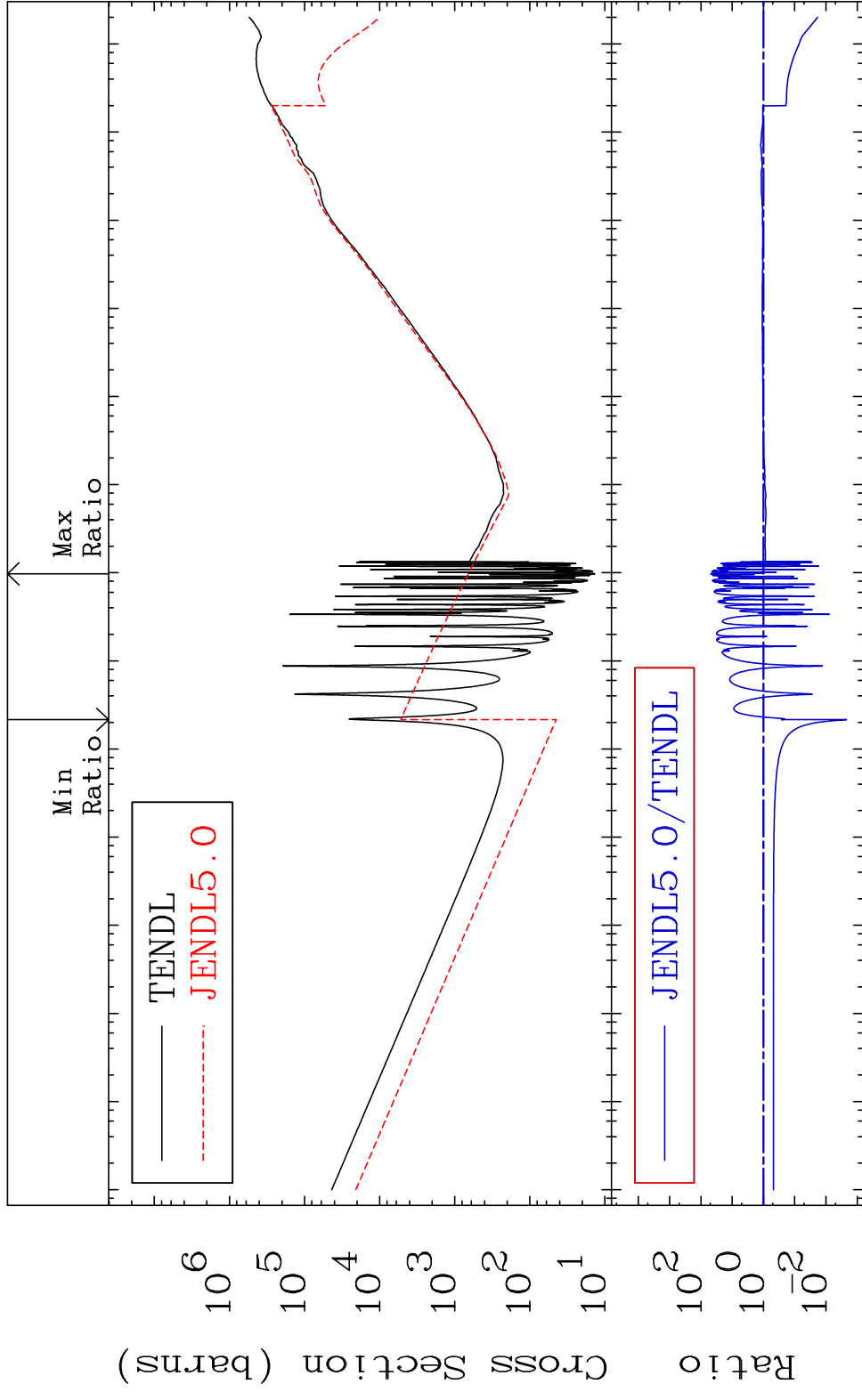


MAT 5128

Dpa total (eV-barns)

51-Sb-122

Cross Section -99.78 To 4751. %

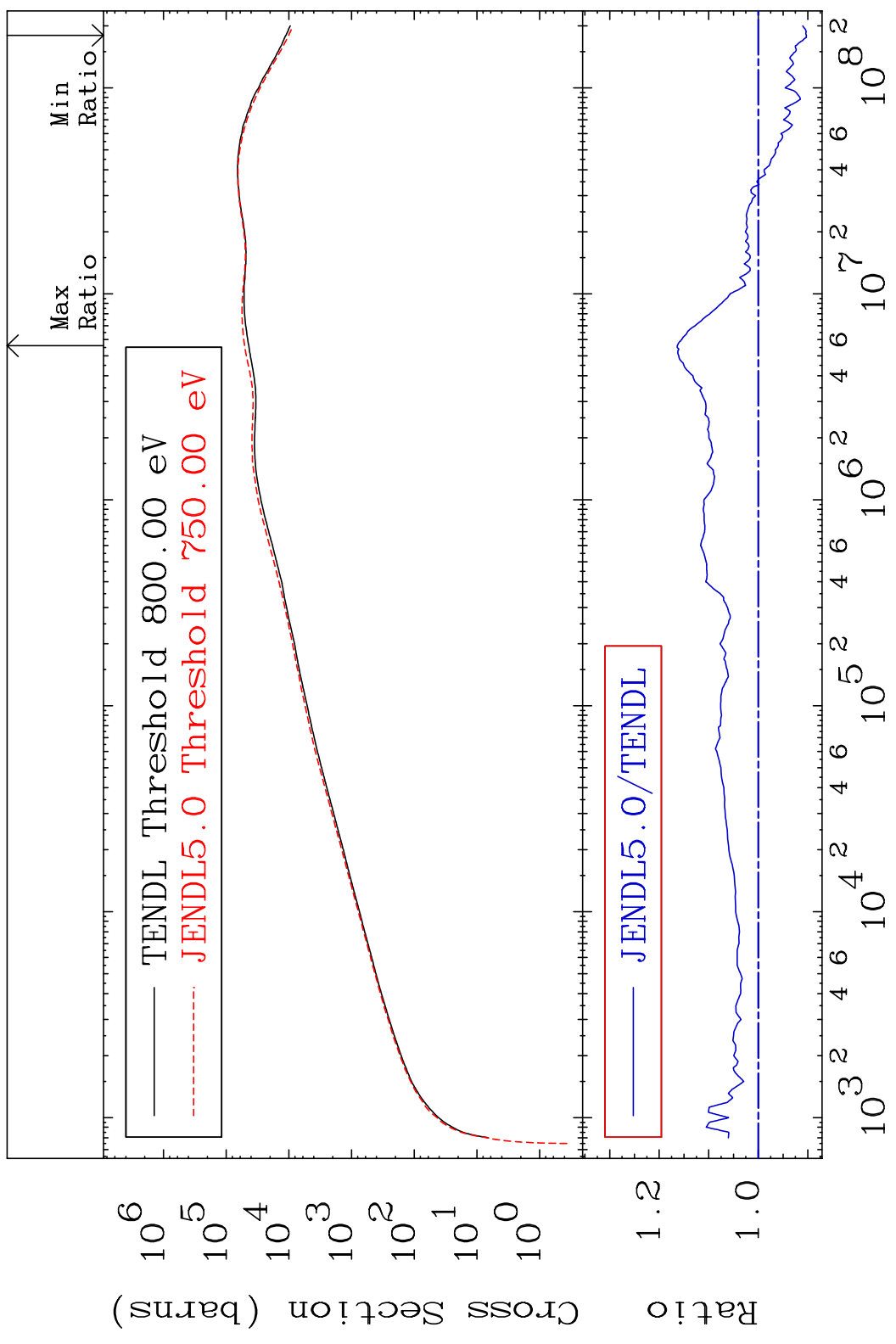


MAT 5128

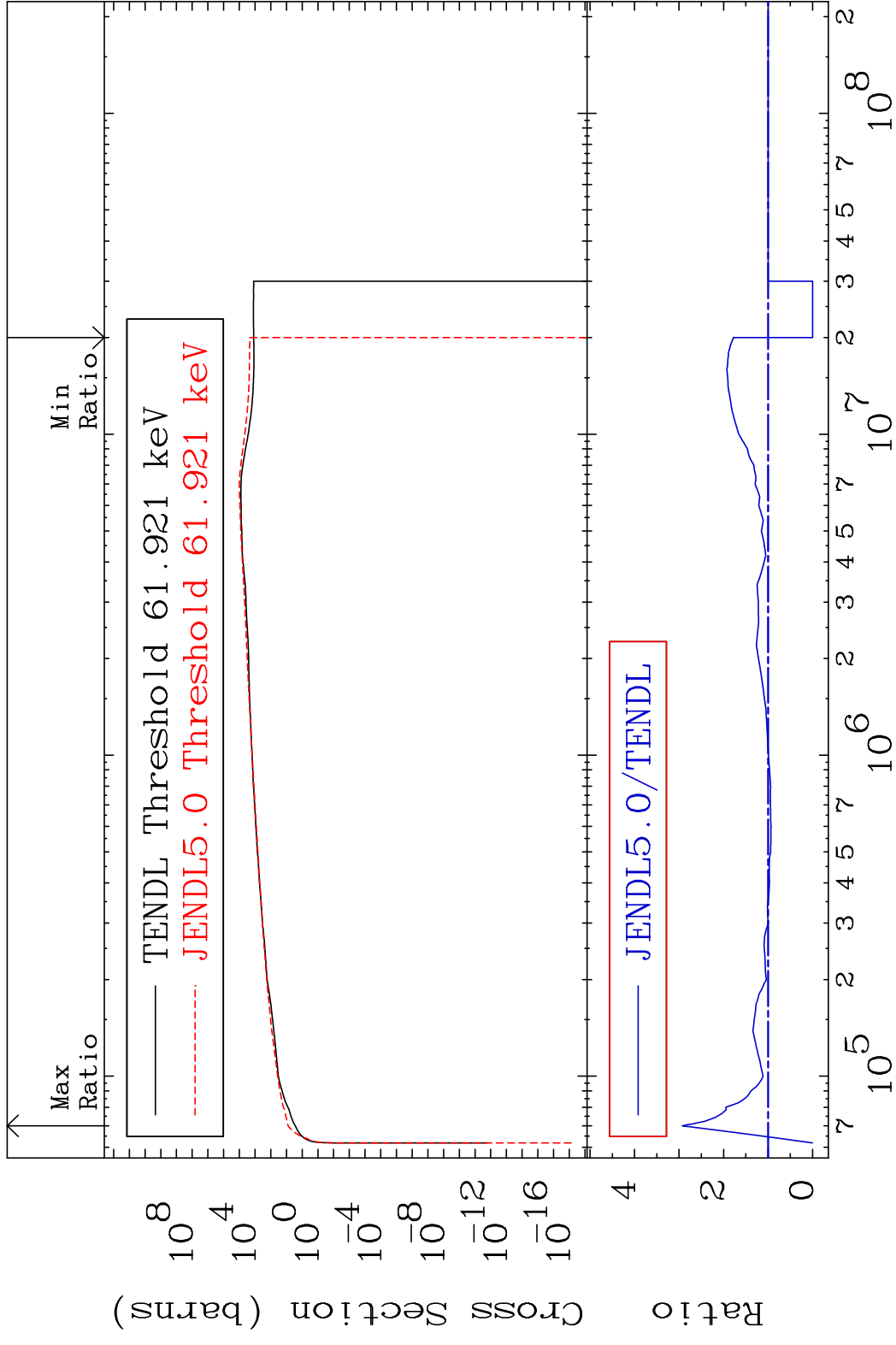
Dpa elastic (mt2)

51-Sb-122

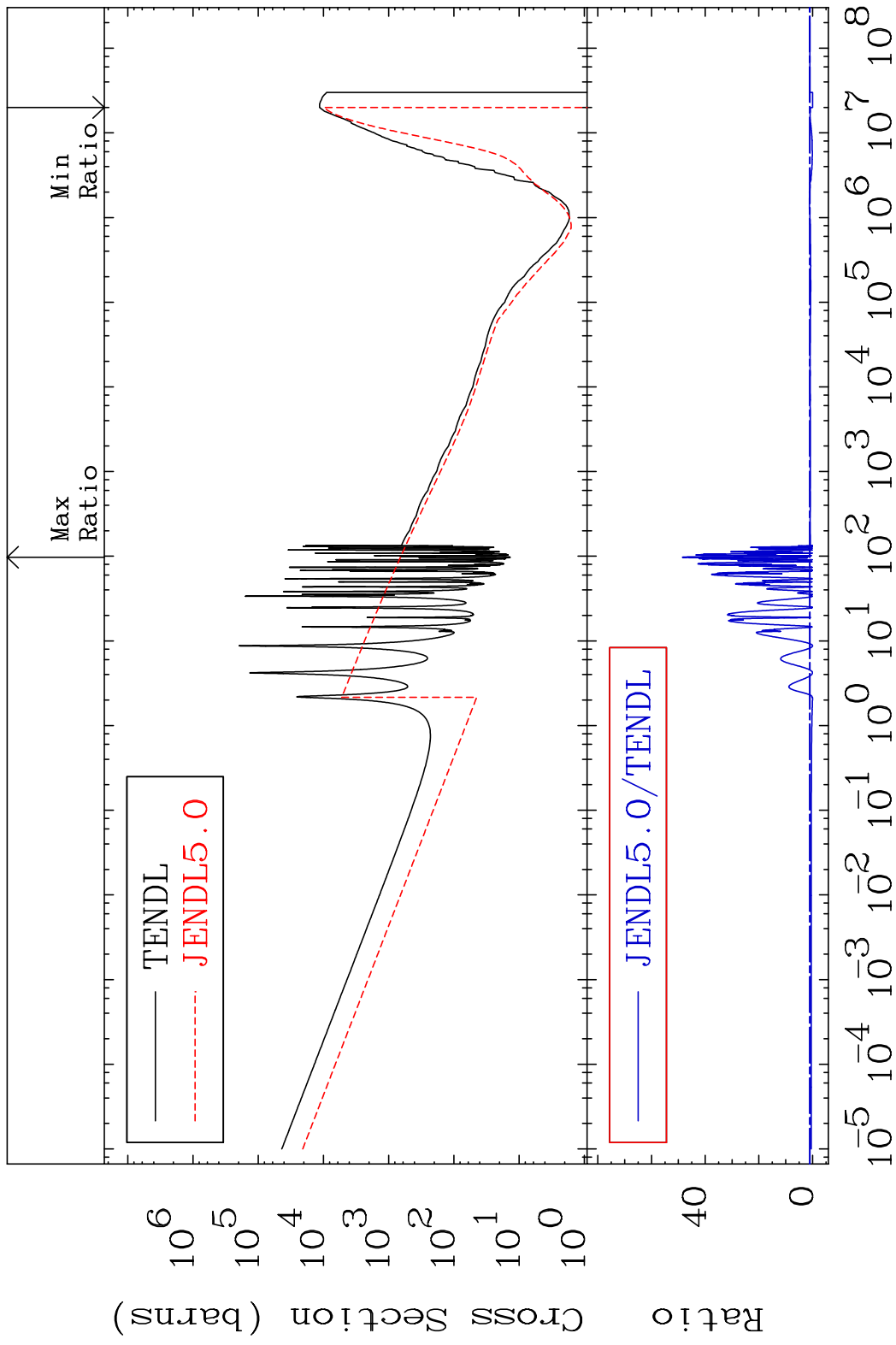
Cross Section -9.719 To 16.37 %

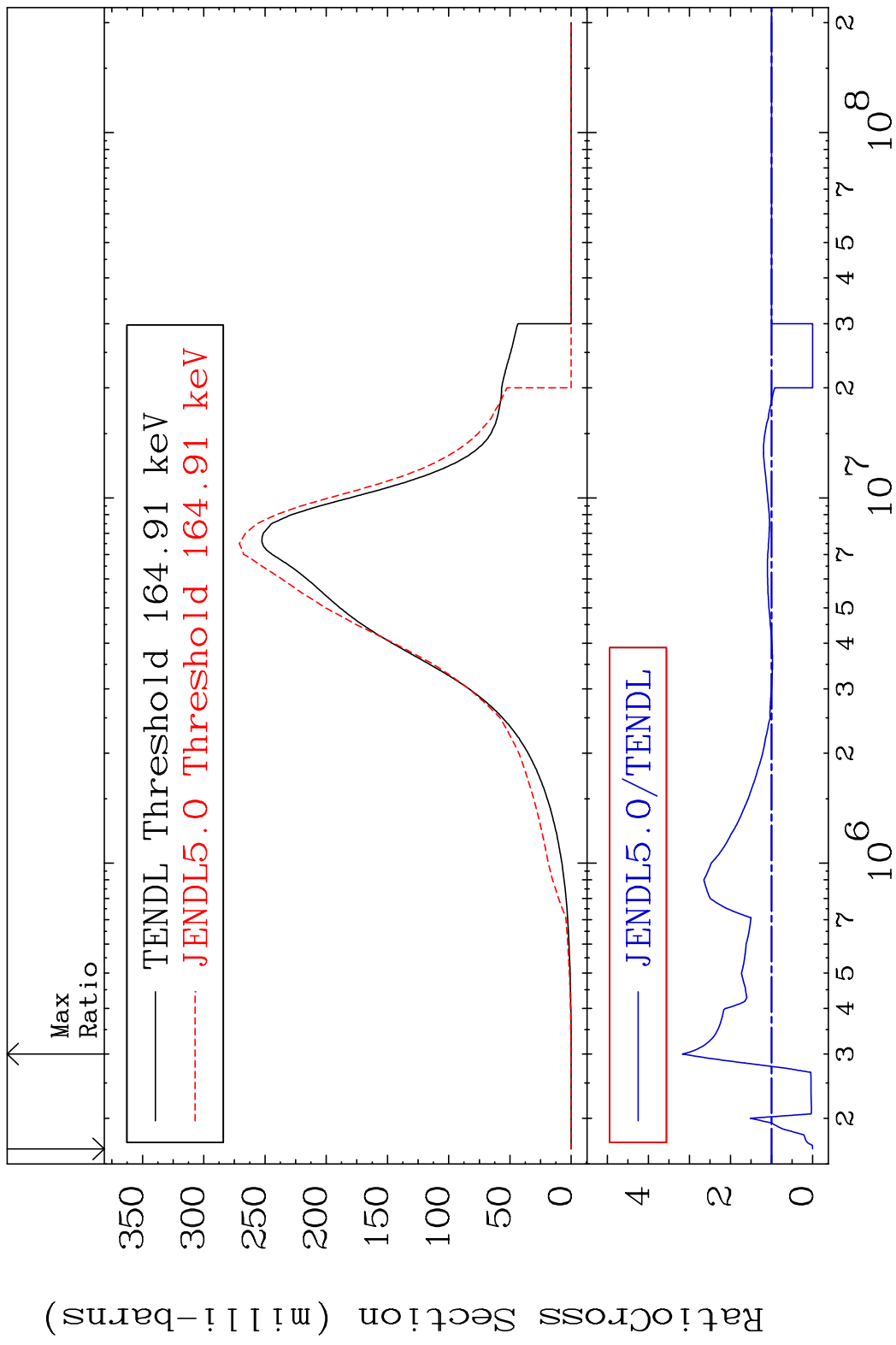


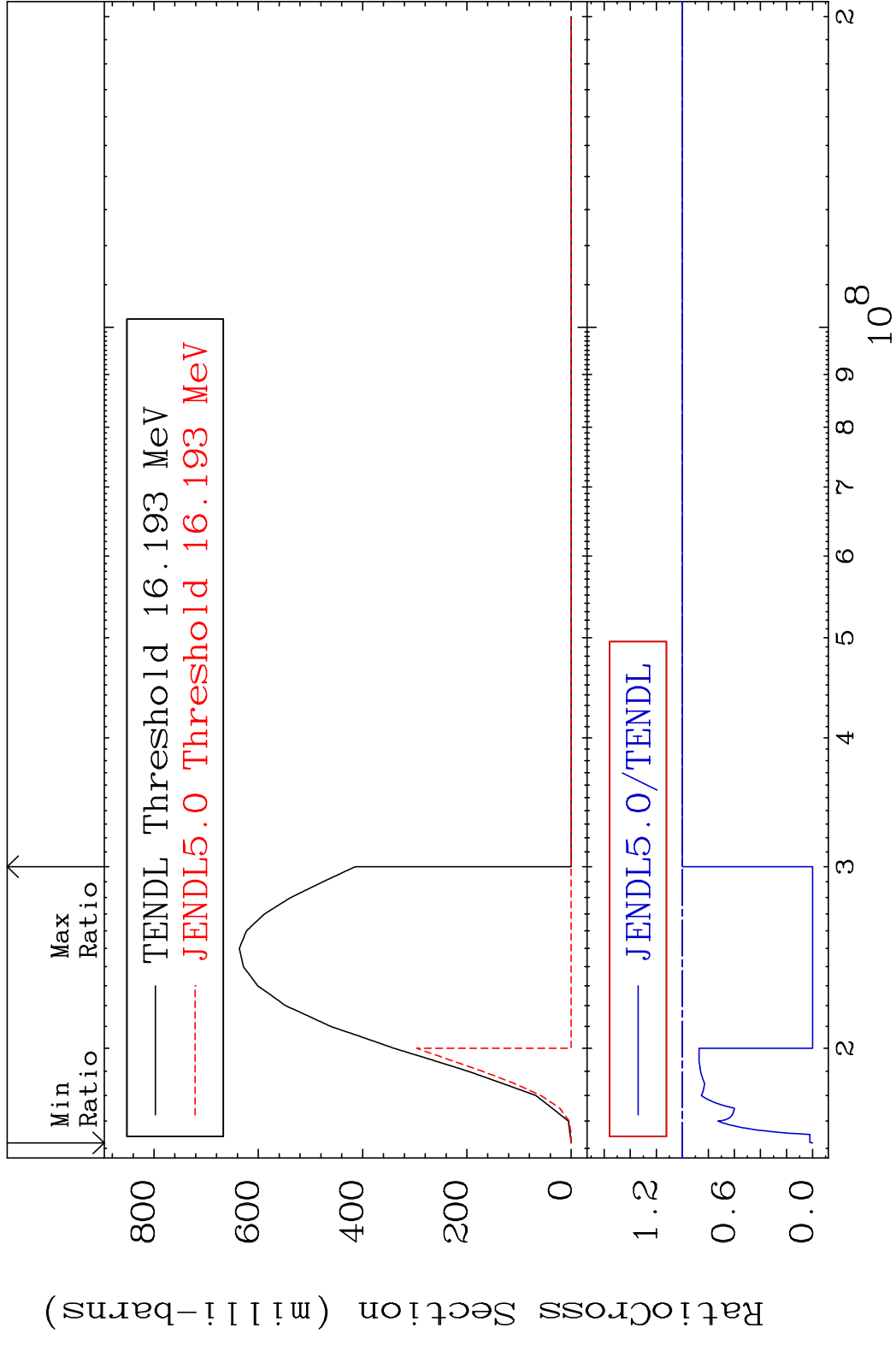
MAT 5128 Dpa inelastic (mt51-91) 51-Sb-122
 Cross Section -100.0 To 192.6 %

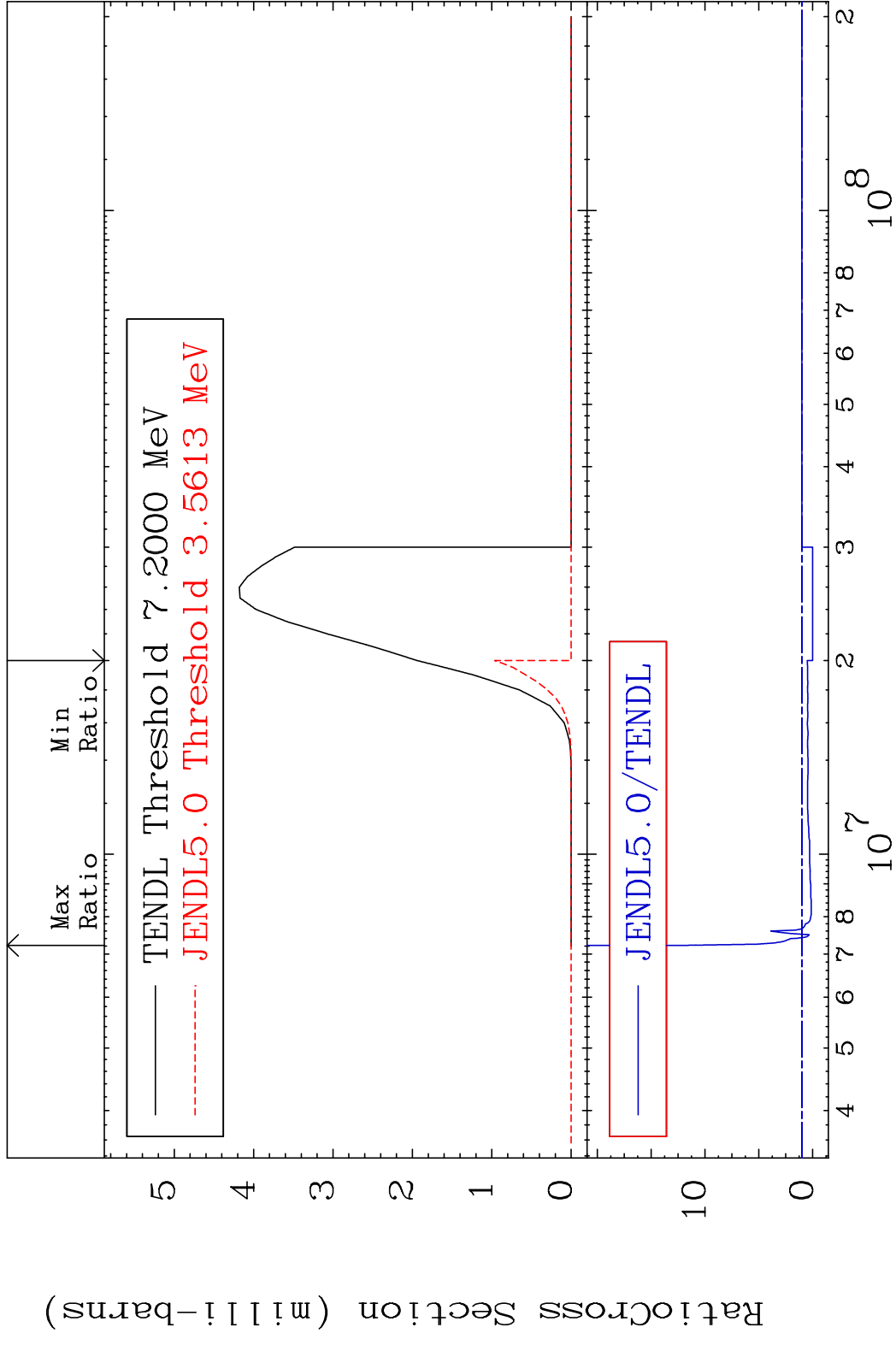


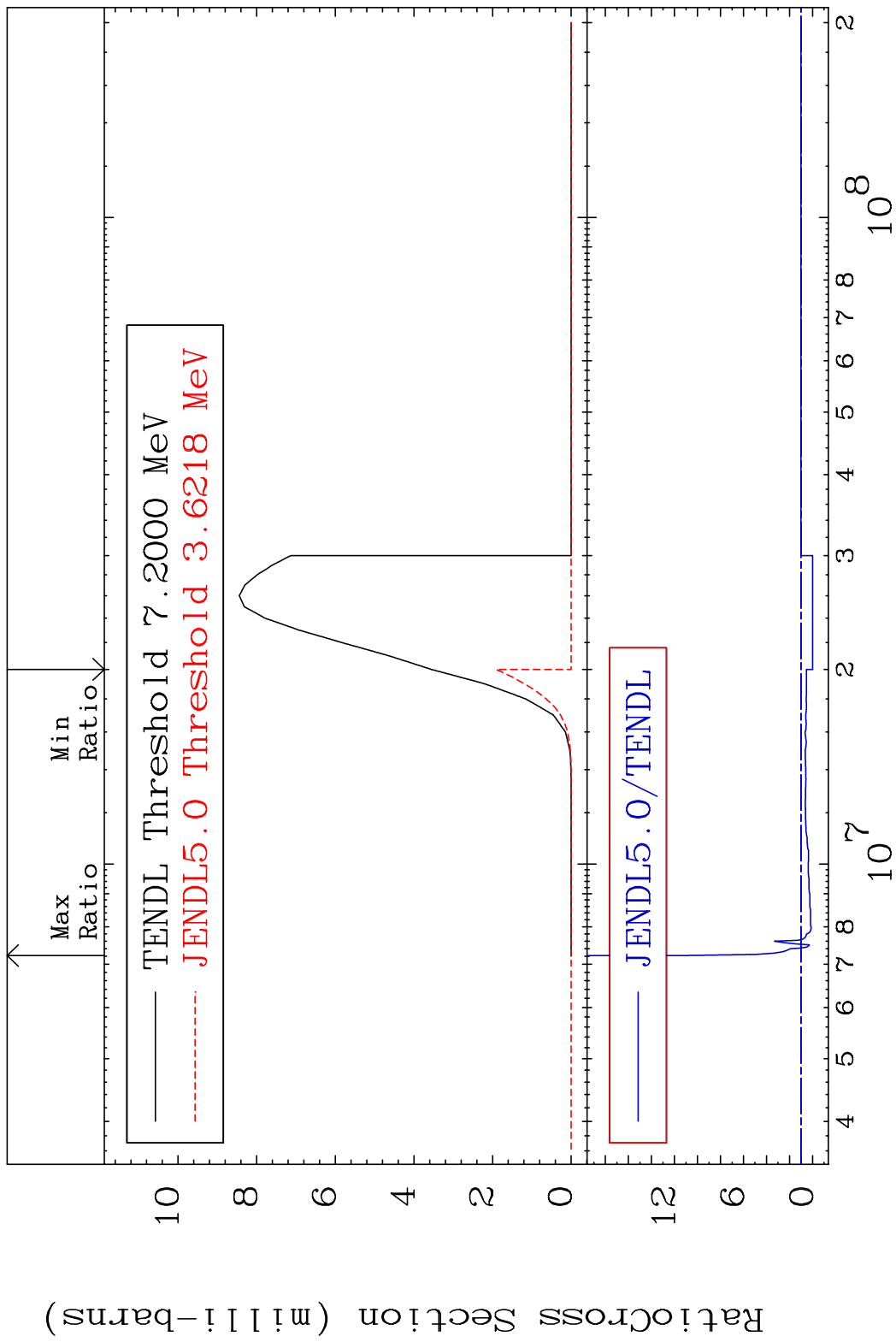
MAT 5128 Dpa disappearance (mt102 -120) 51-Sb-122
 Cross Section -100.0 To 4751. %



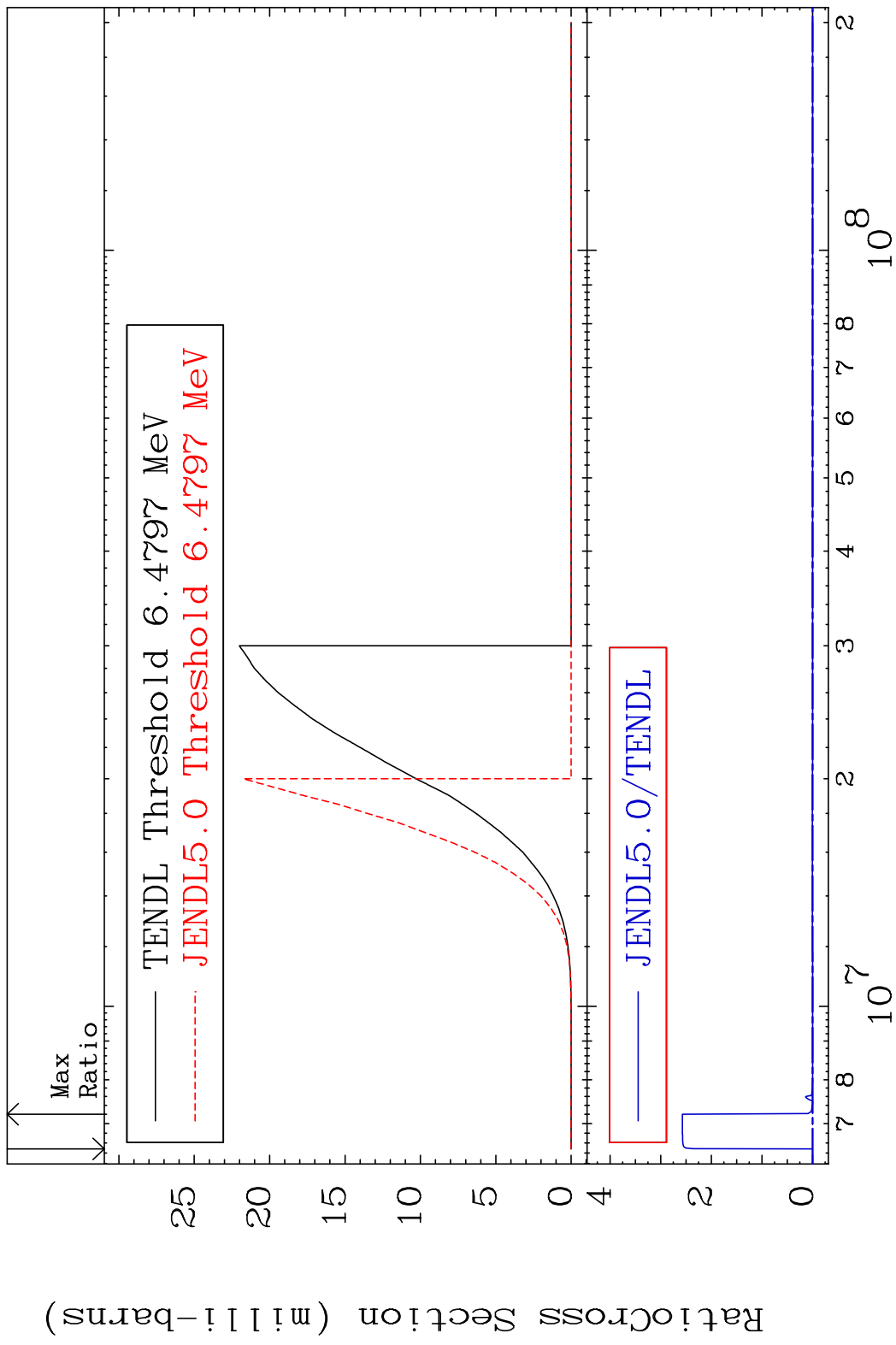




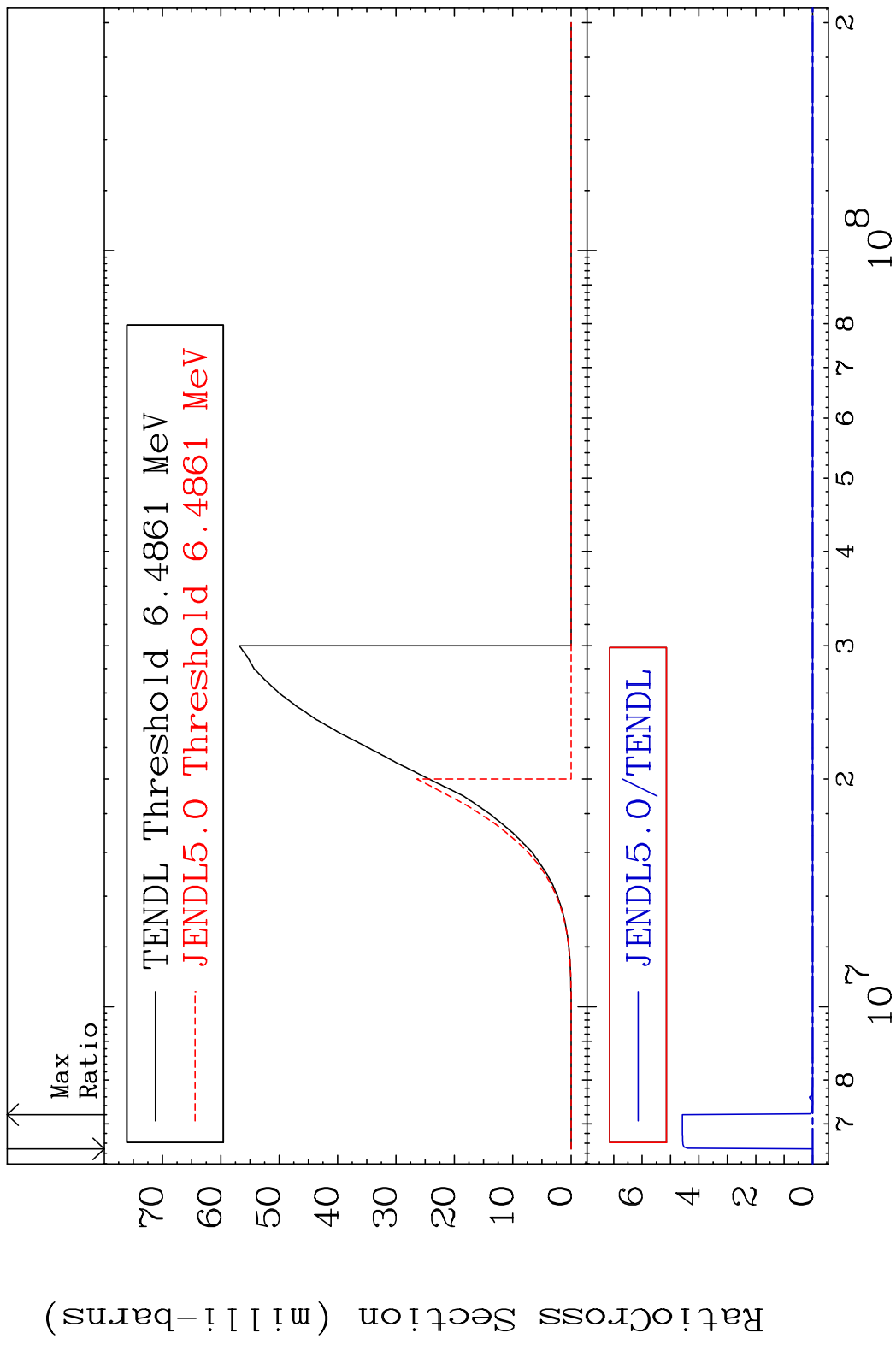


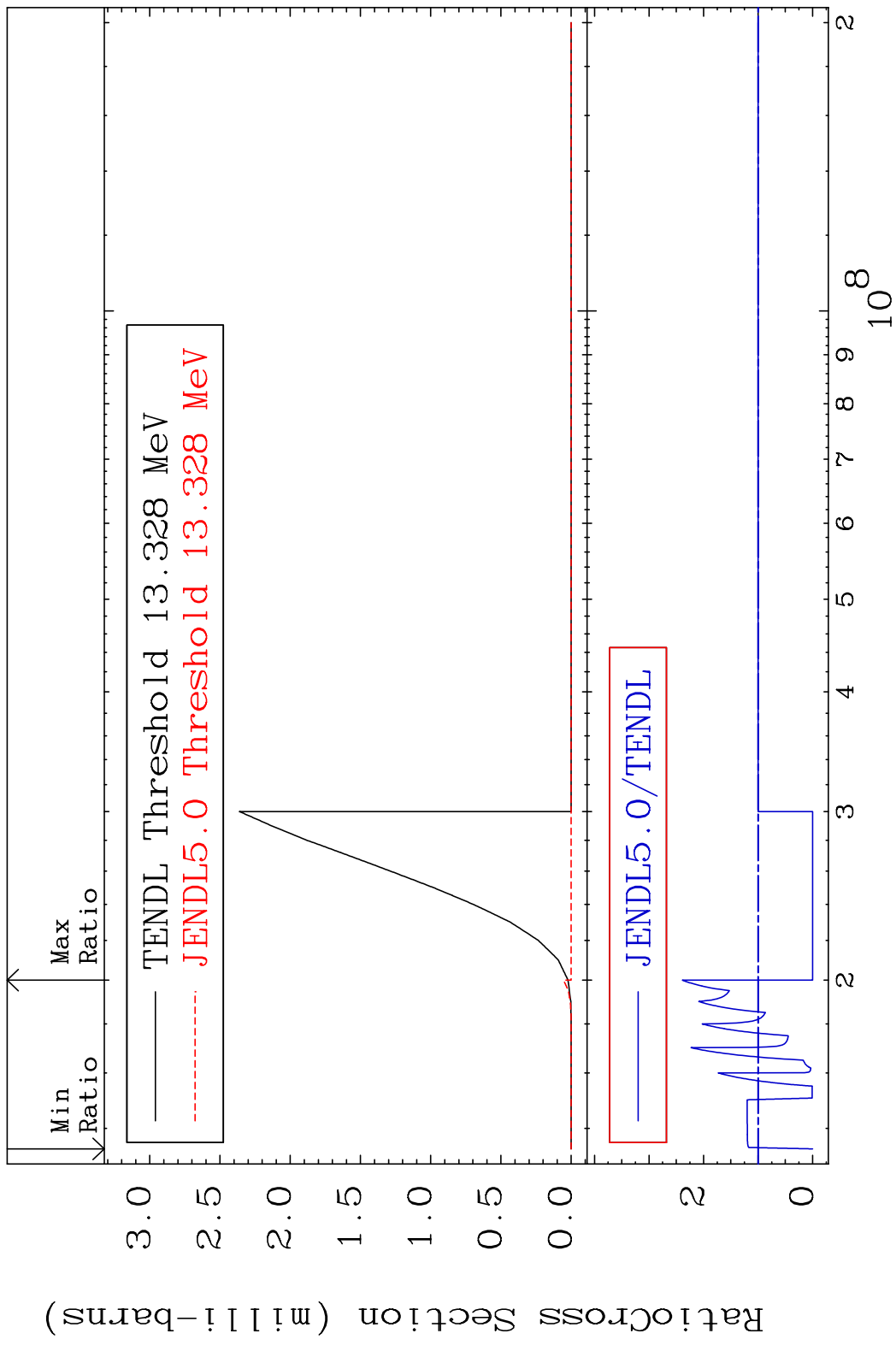


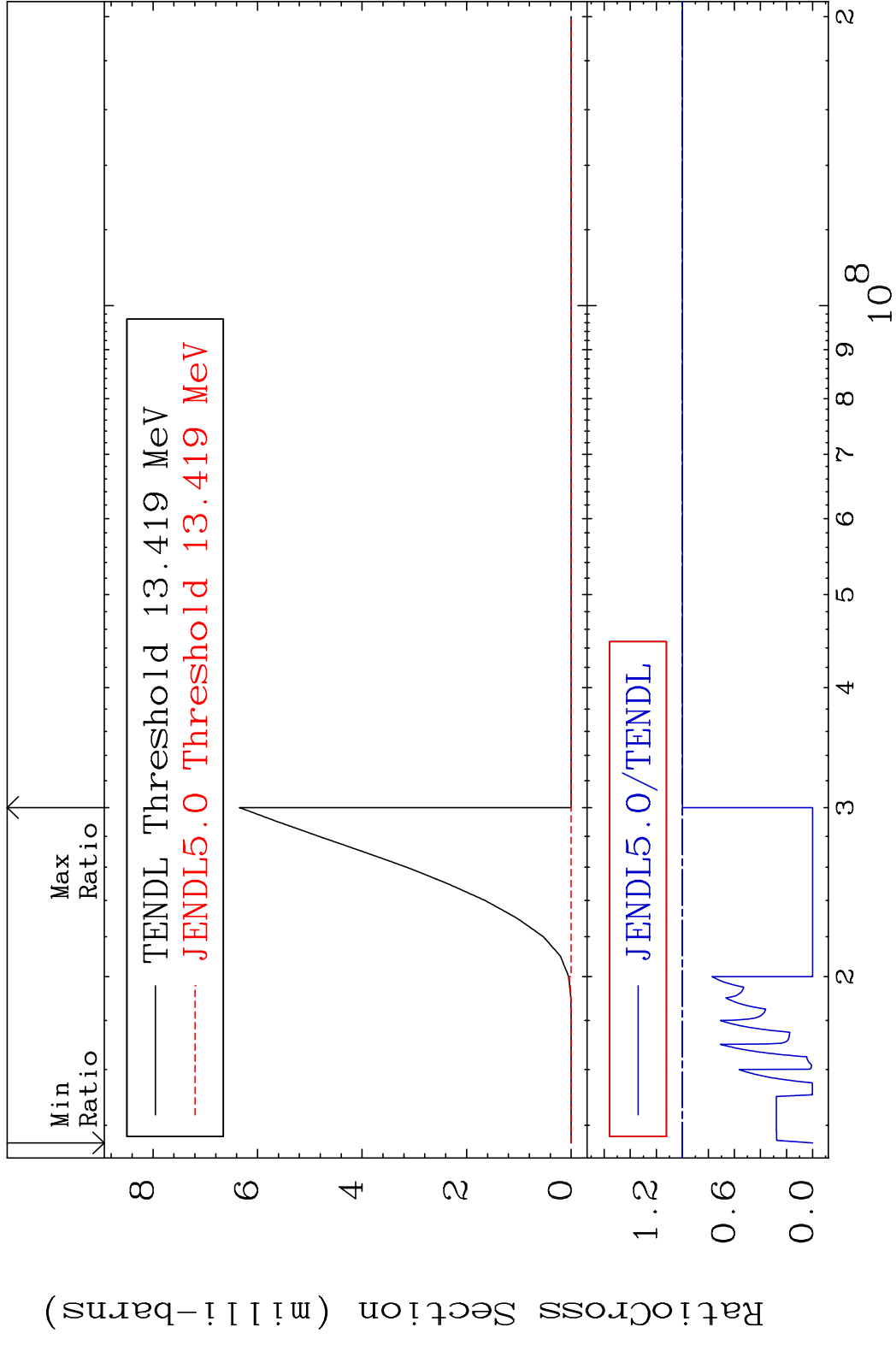
MAT 5128 (n, n') p:50-Sn-121g 51-Sb-122
 Radionuclide Production Cross Section 100.00 dth 9999. %



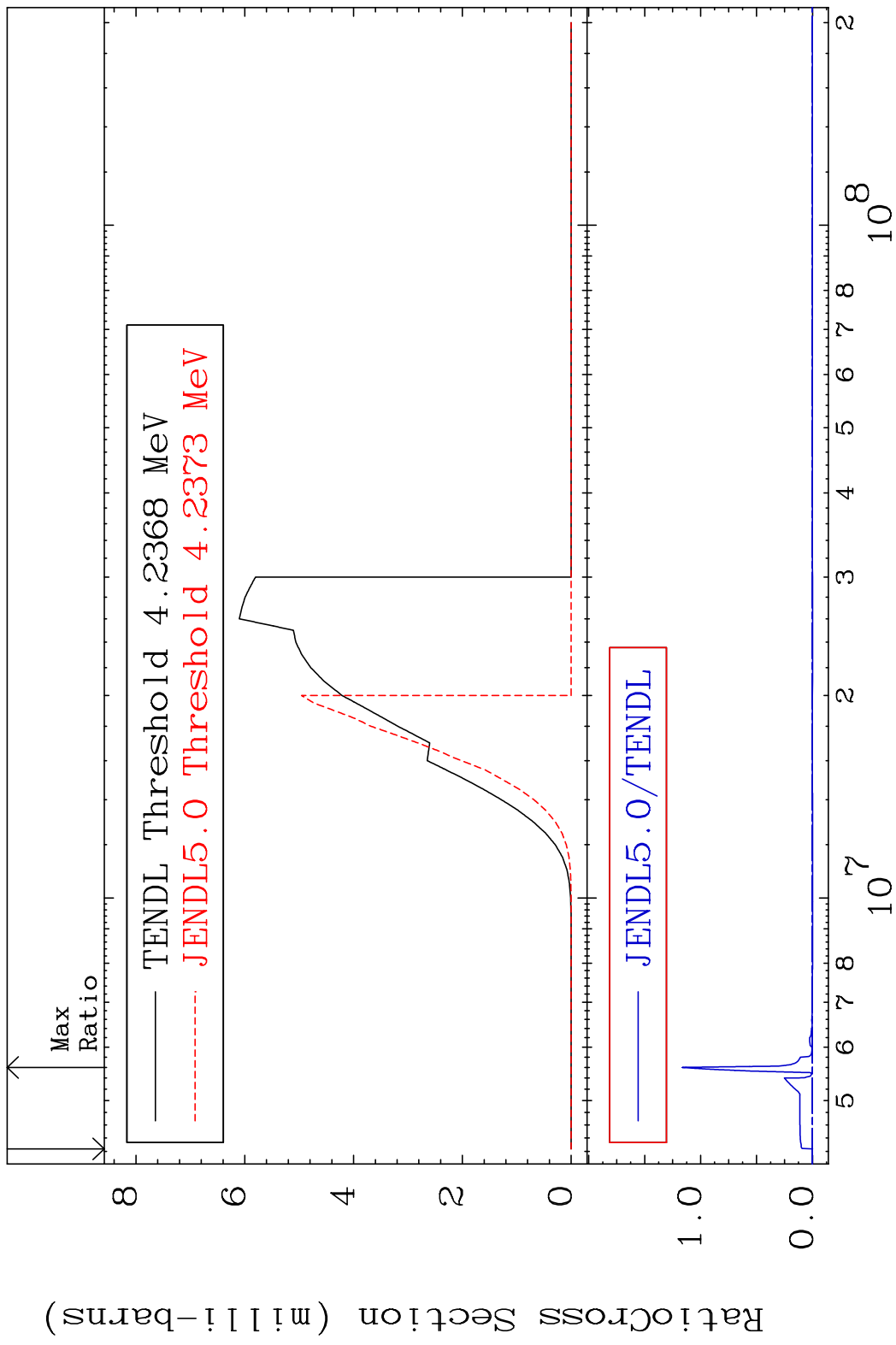
70 Incident Energy (eV) 51-Sb-122



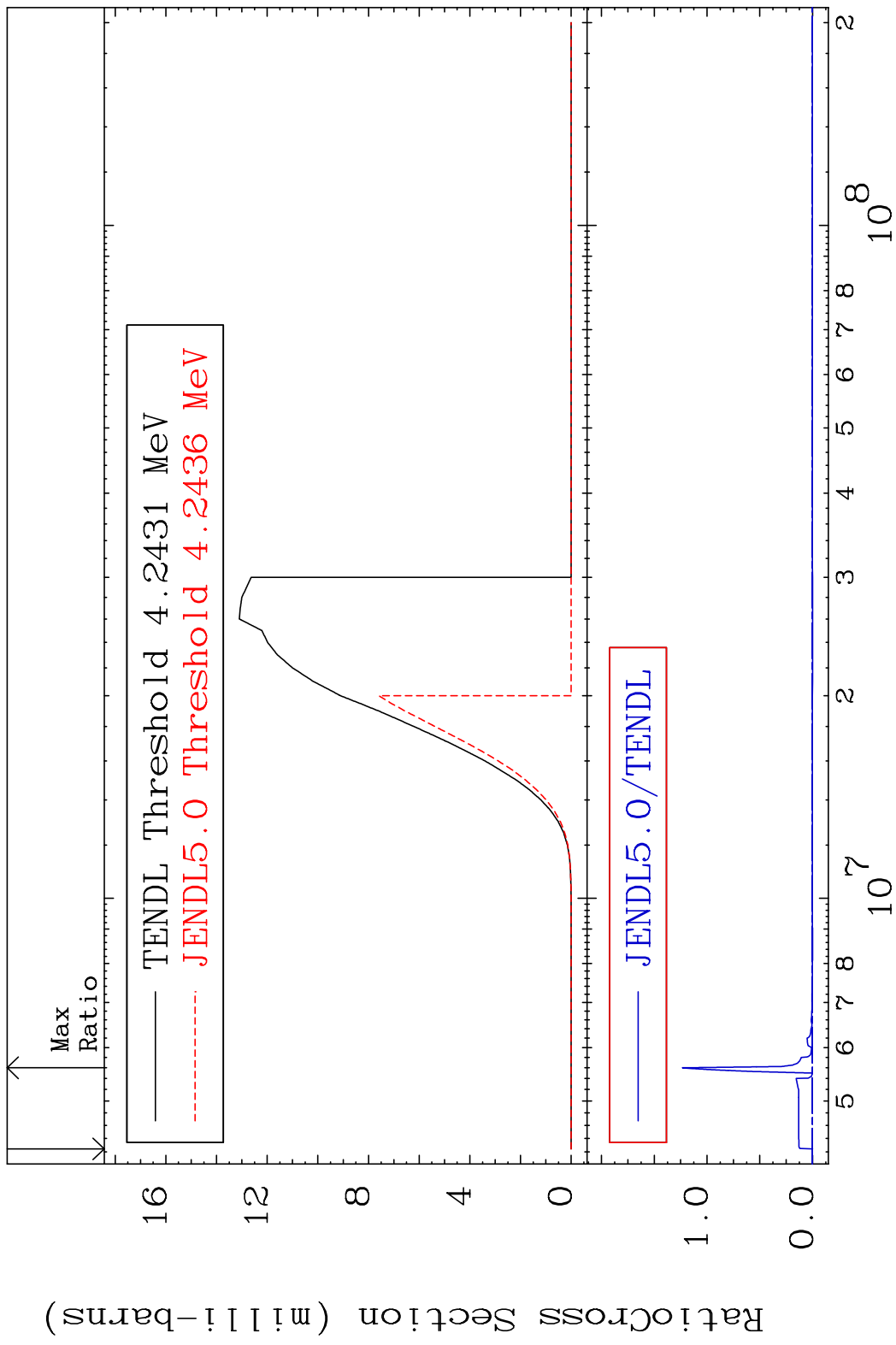


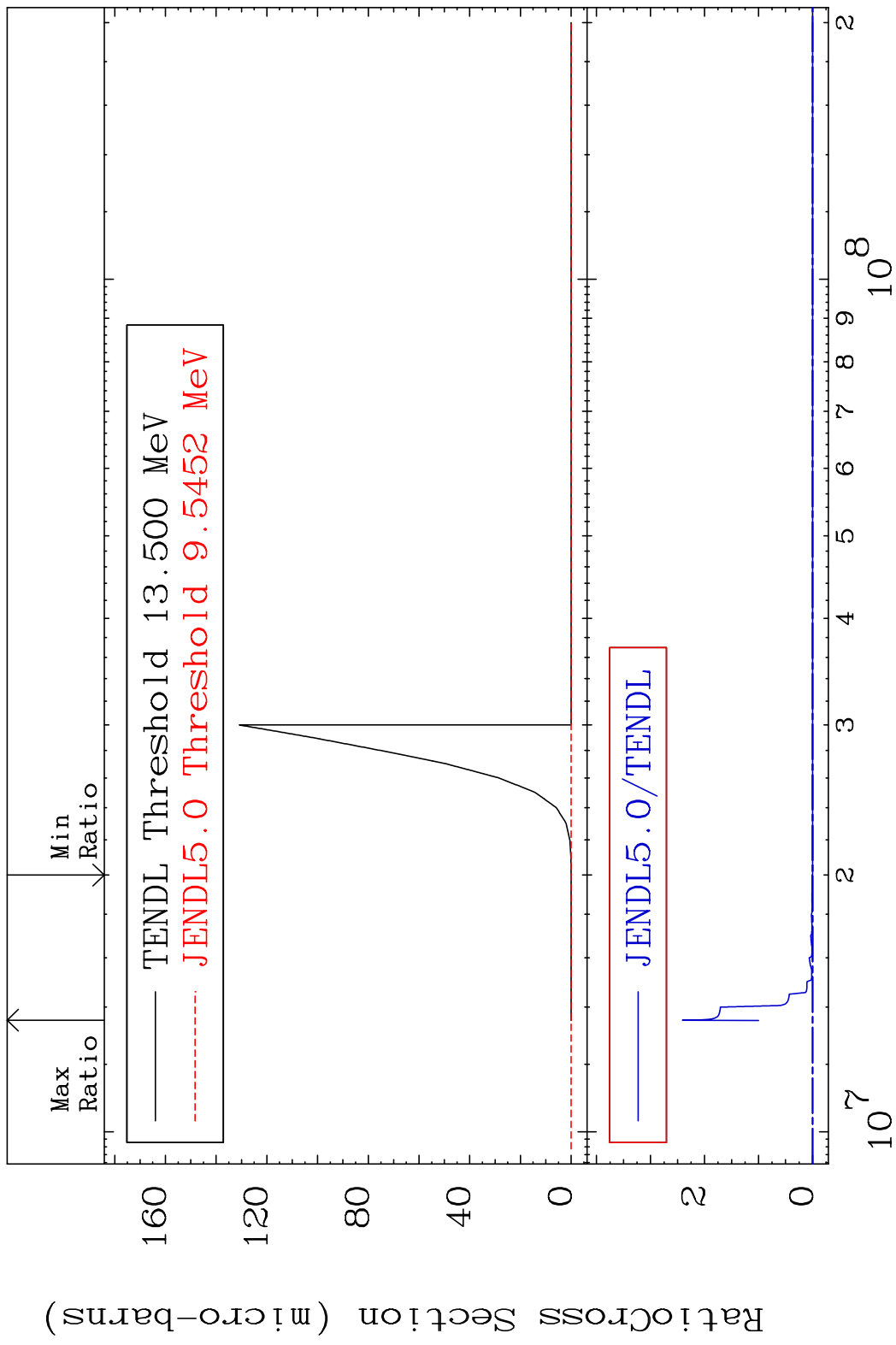


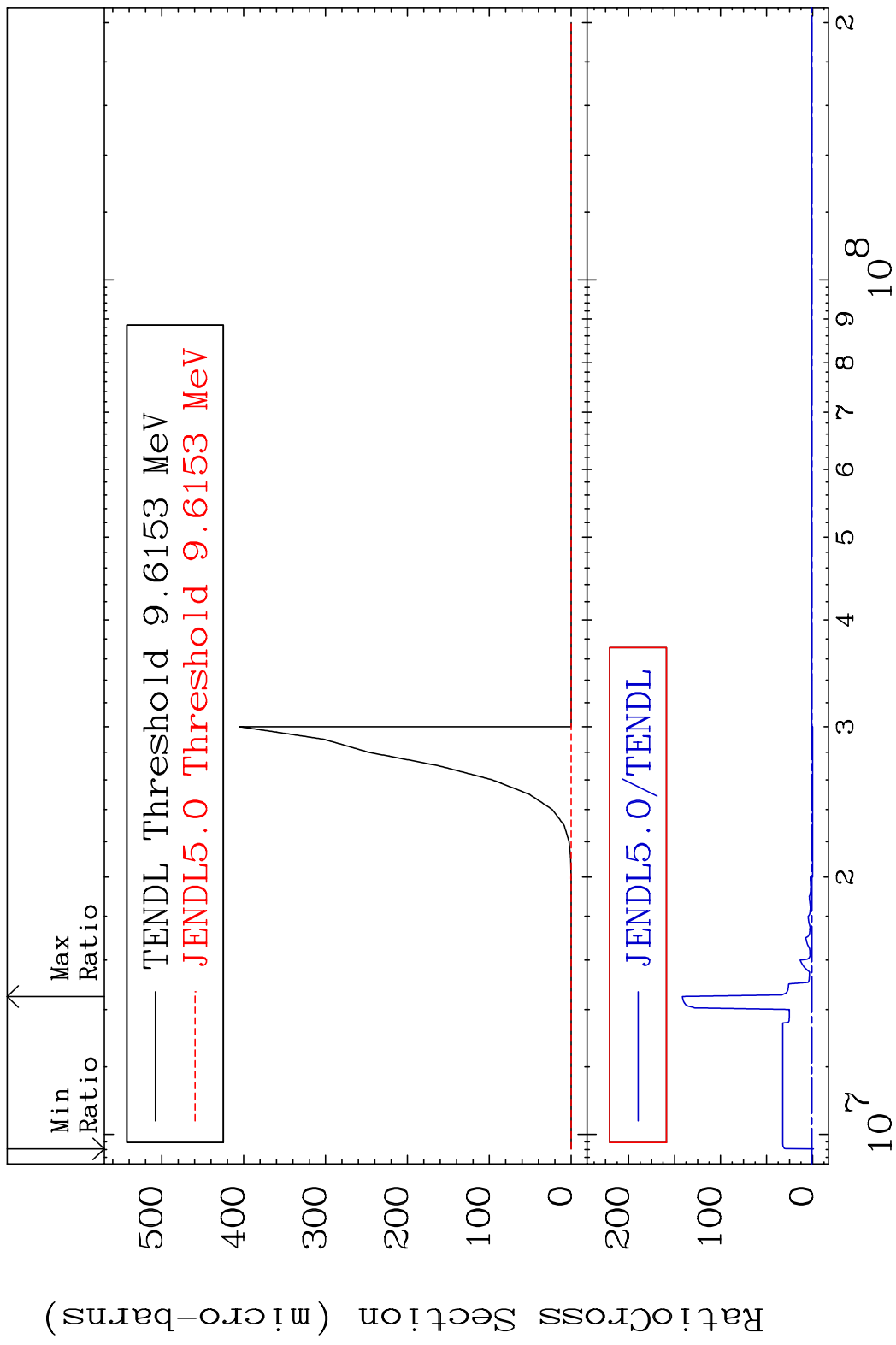
MAT 5128 (n, d):50-Sn-121g 51-Sb-122
 Radionuclide Production Cross Section (%)



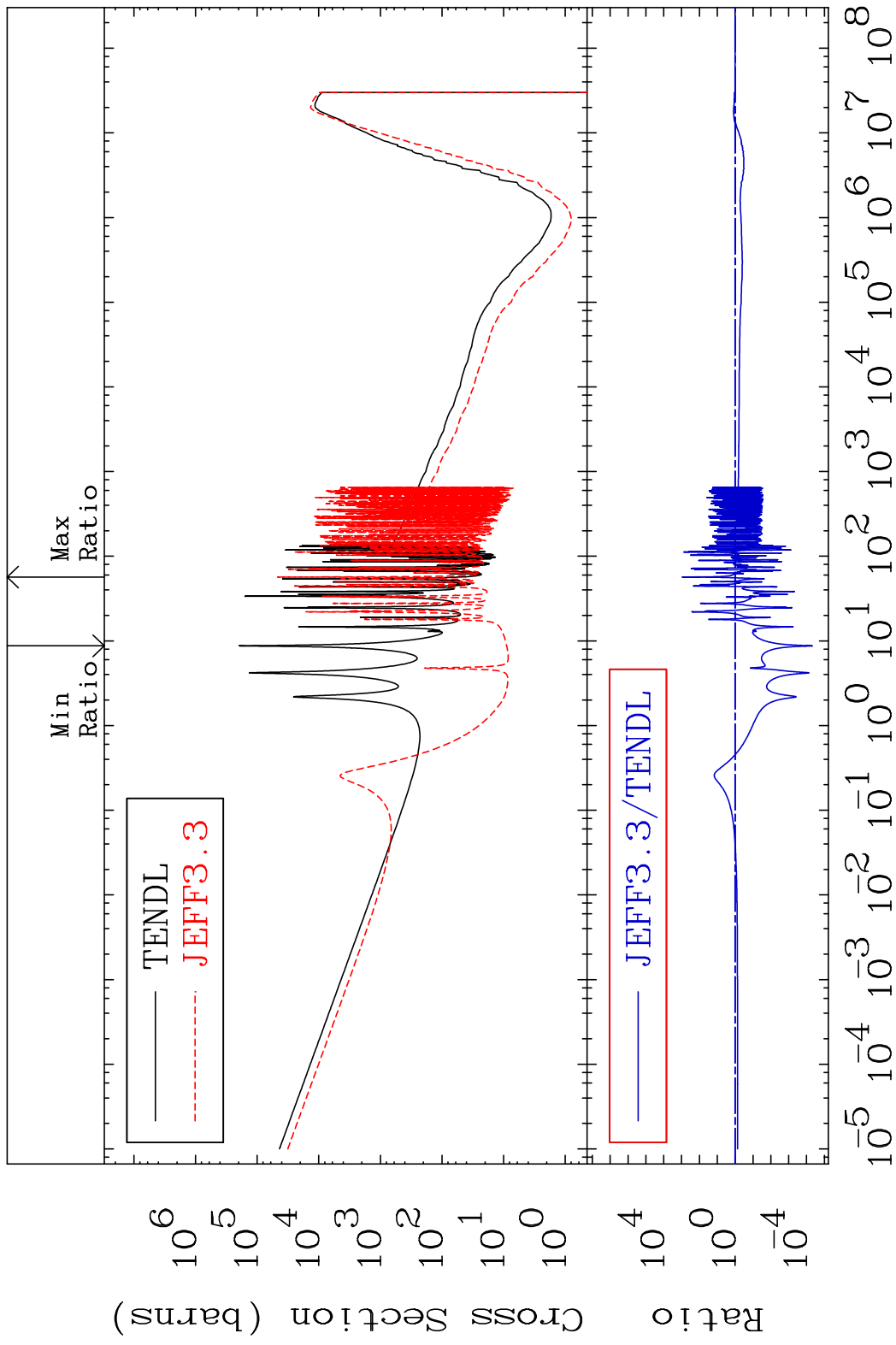
MAT 5128 (n,d):50-Sn-121m1 51-Sb-122
 Radionuclide Production Cross Section 100.00 %
 100.00 %

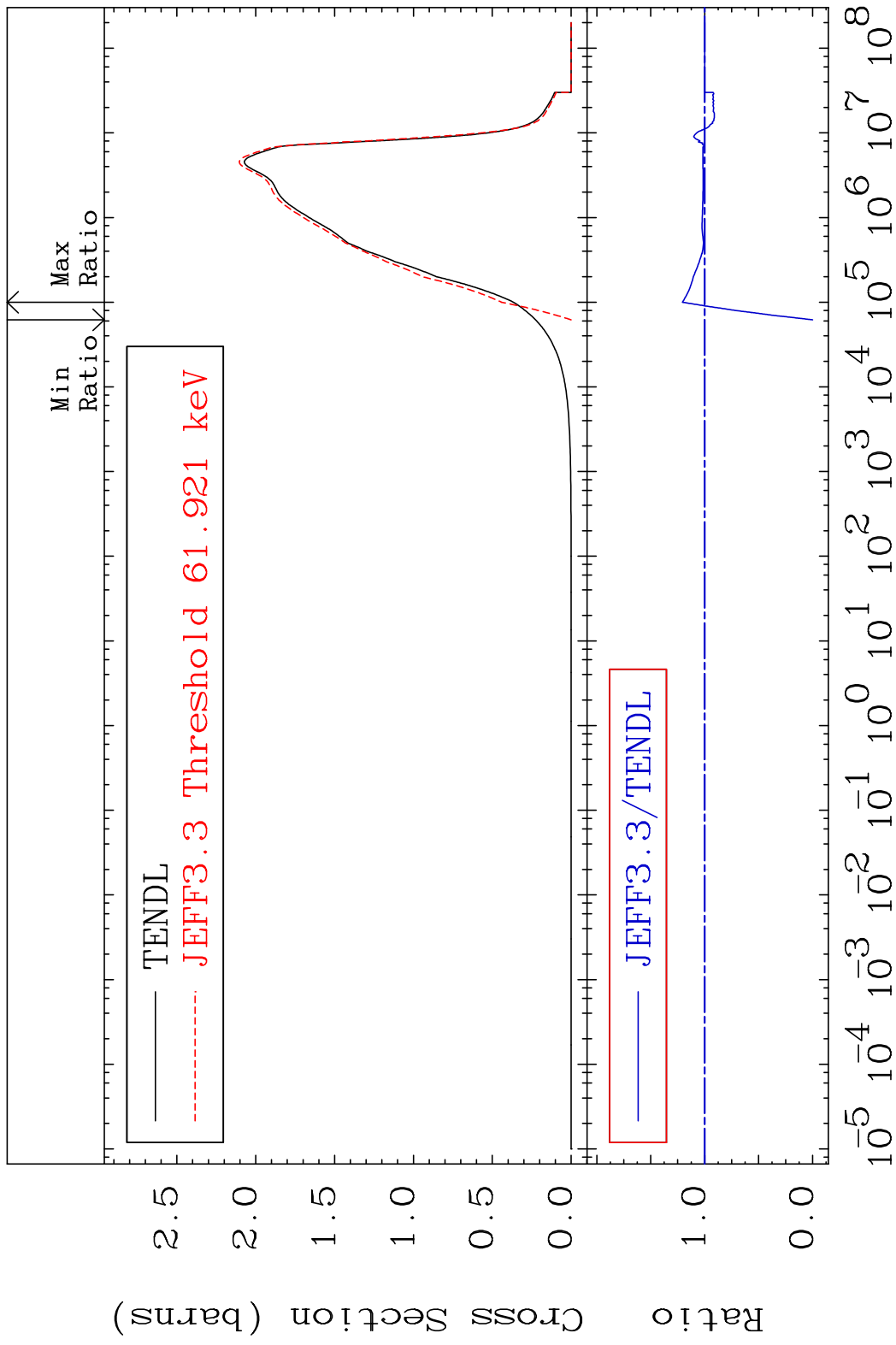


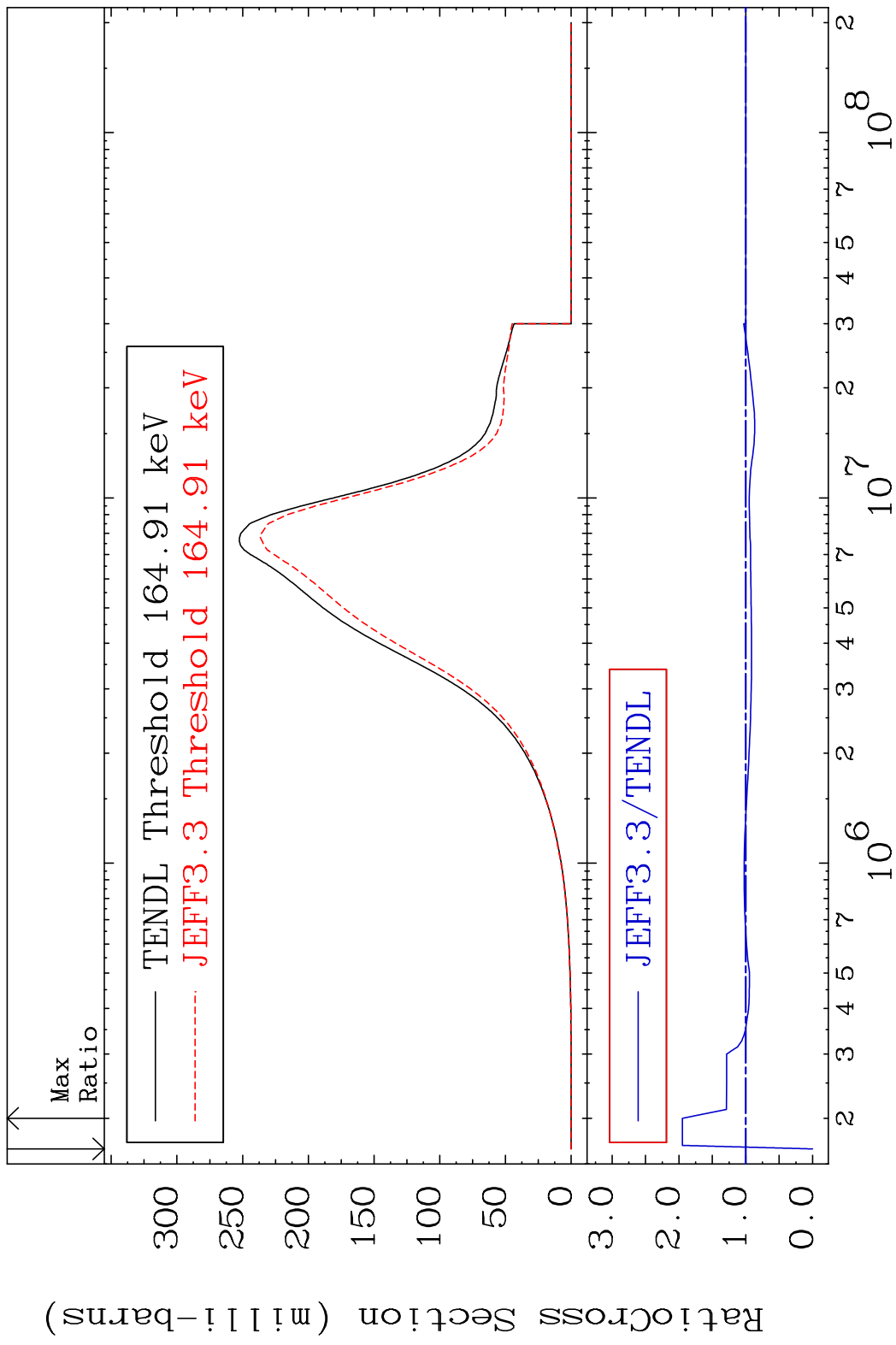


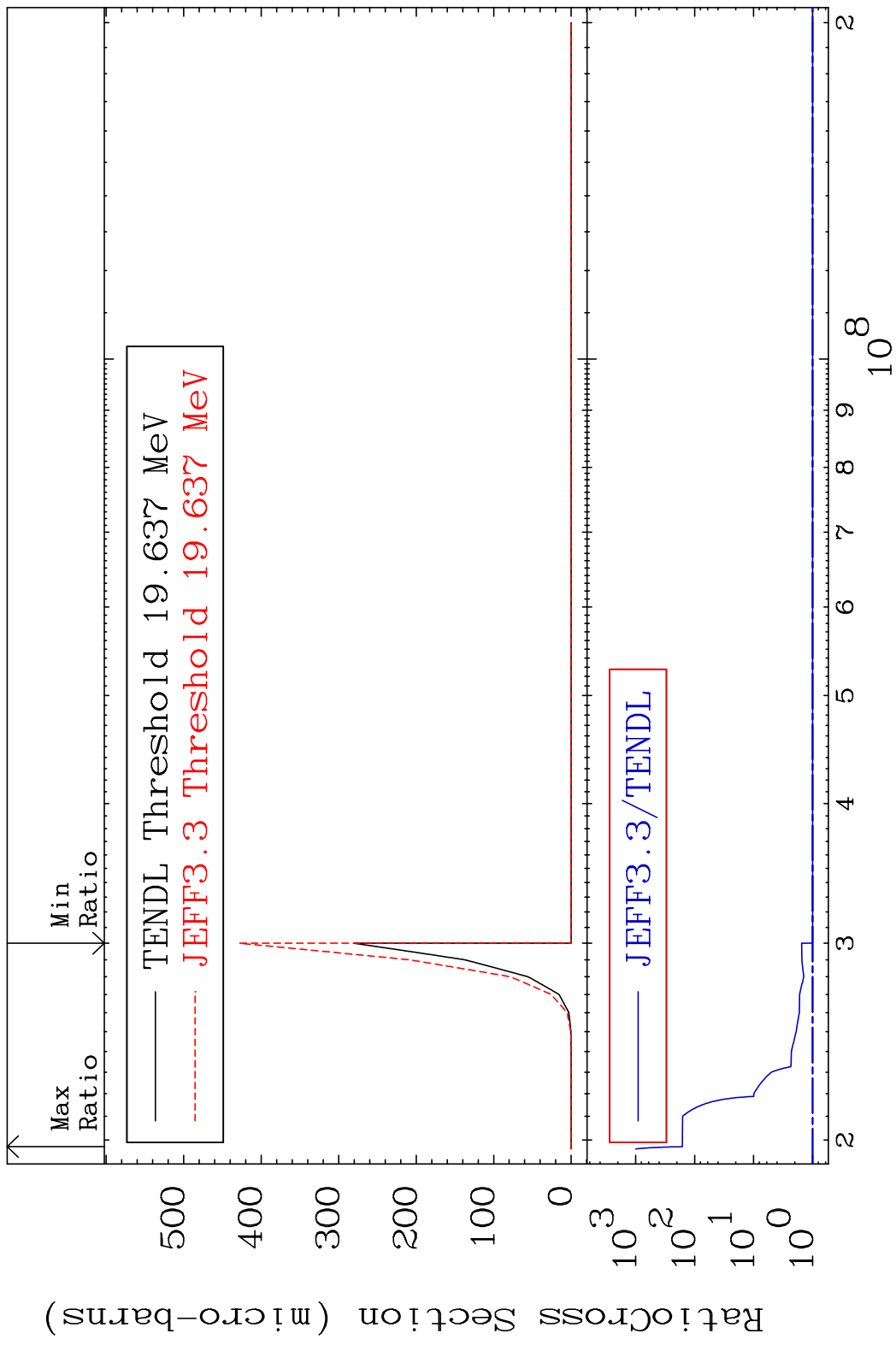


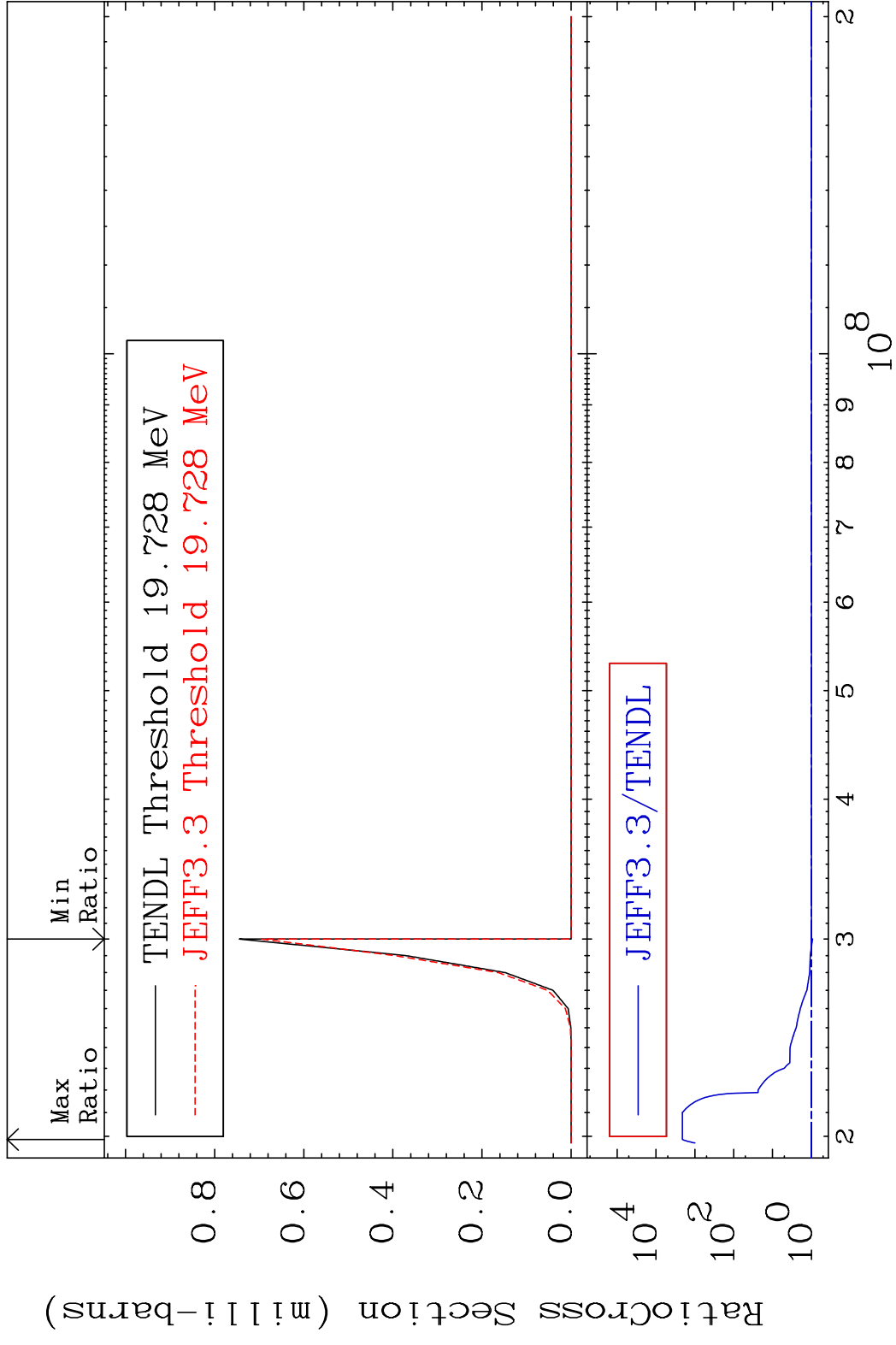
MAT 5128 Dpa disappearance (mt102 -120) 51-Sb-122
 Cross Section -100.0 To 9999. %



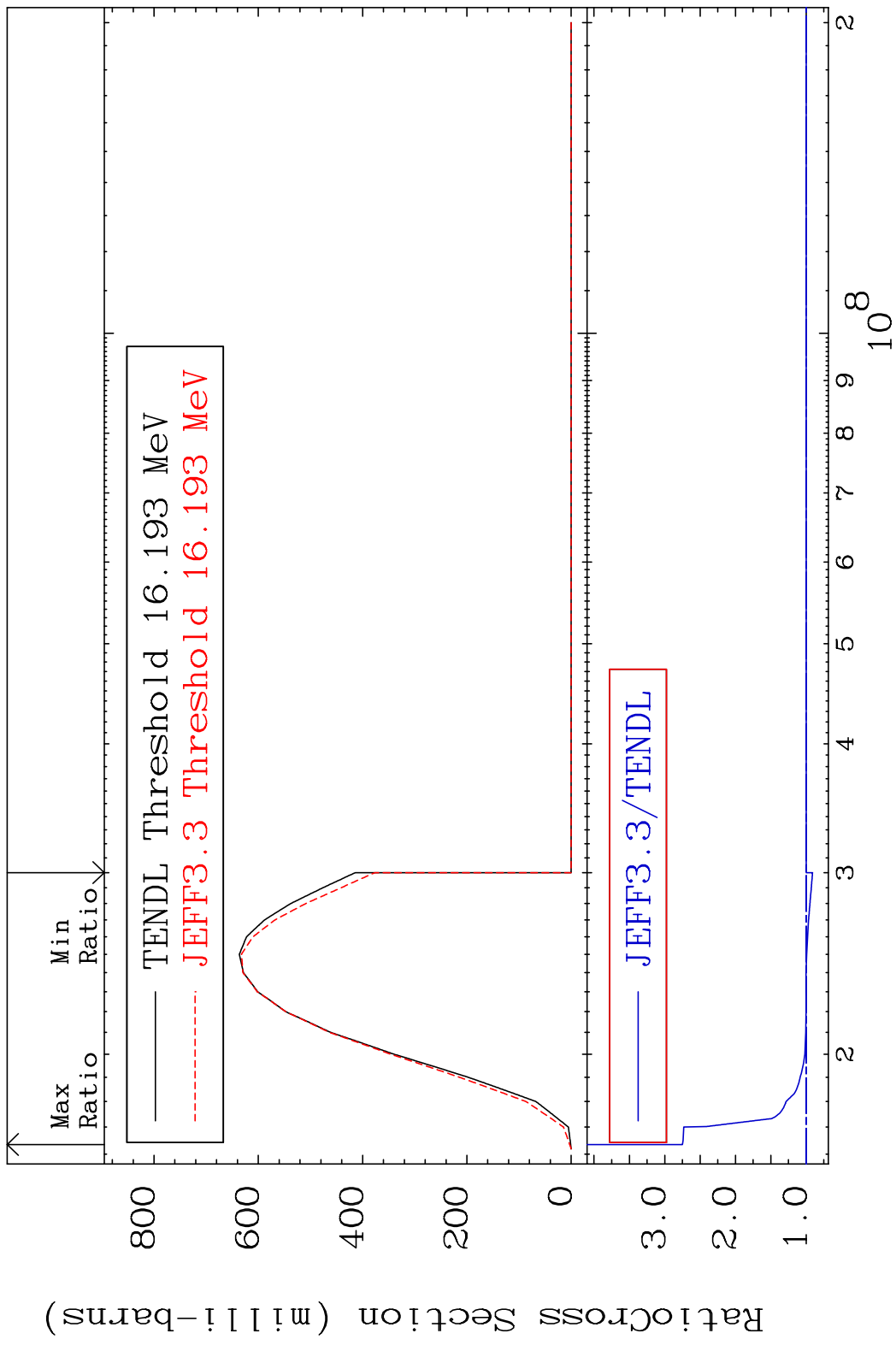


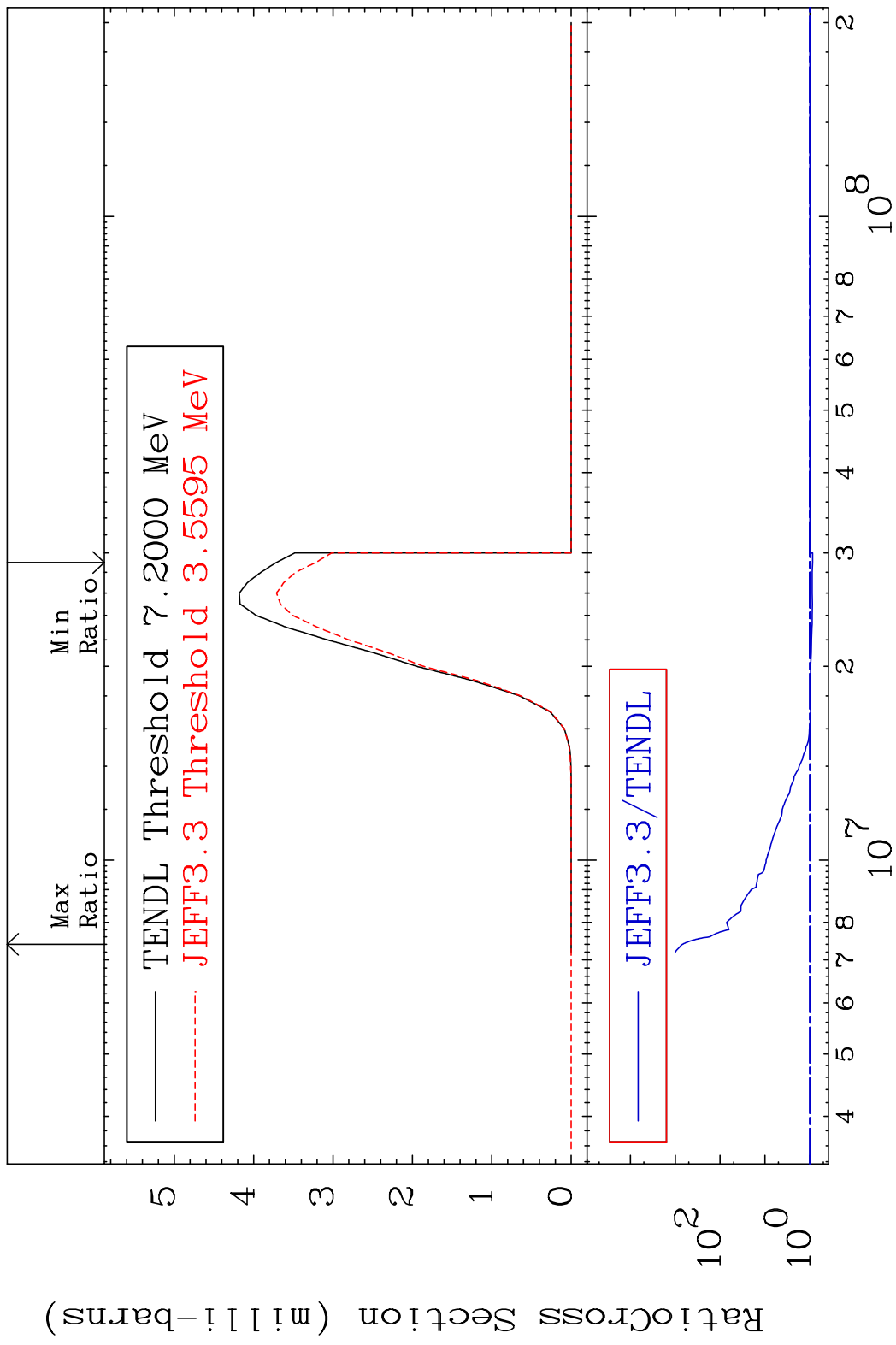


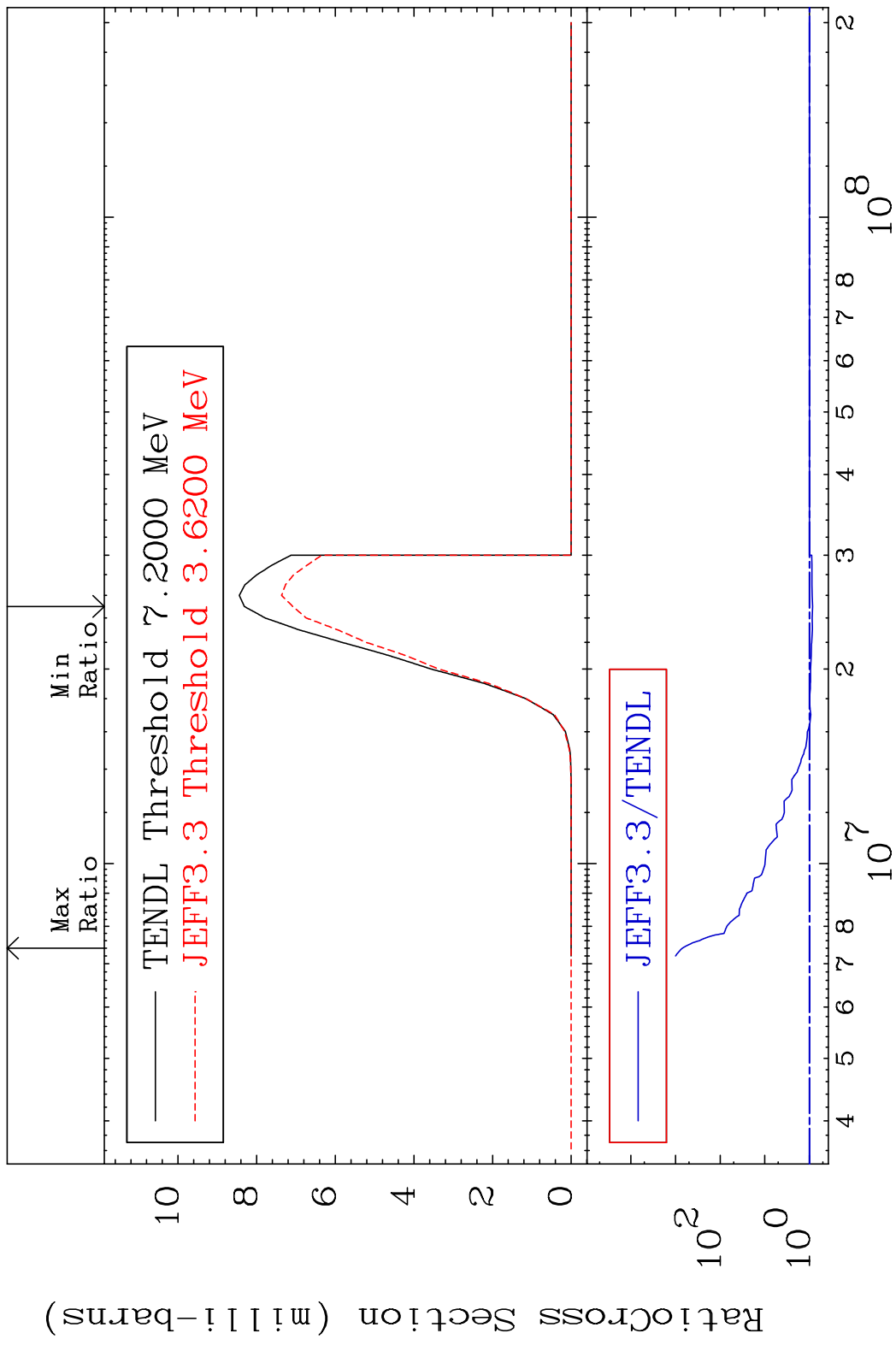


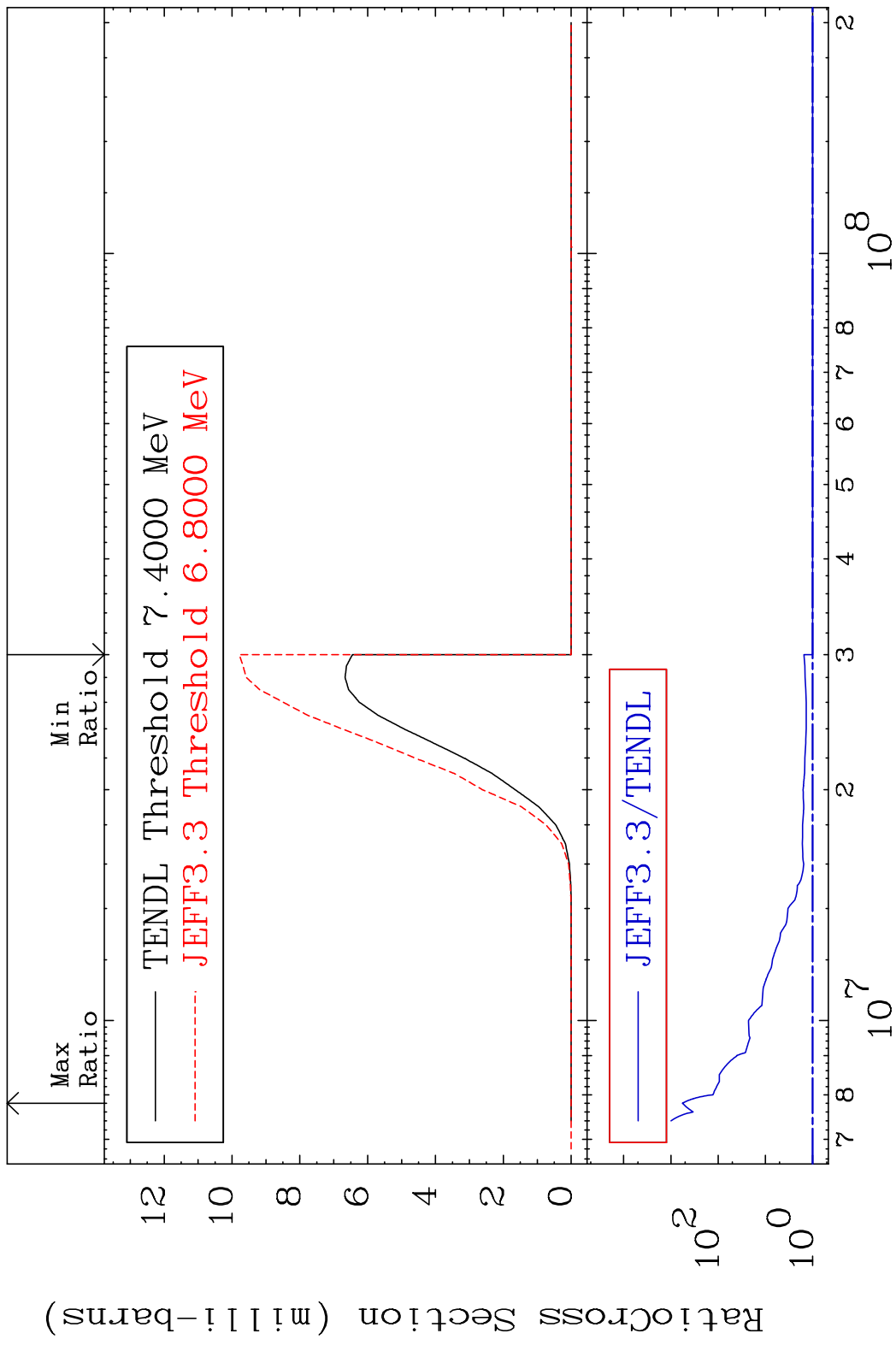


MAT 5128 (n,3n):51-Sb-120g 51-Sb-122
 Radionuclide Production Cross Section 175.1 %

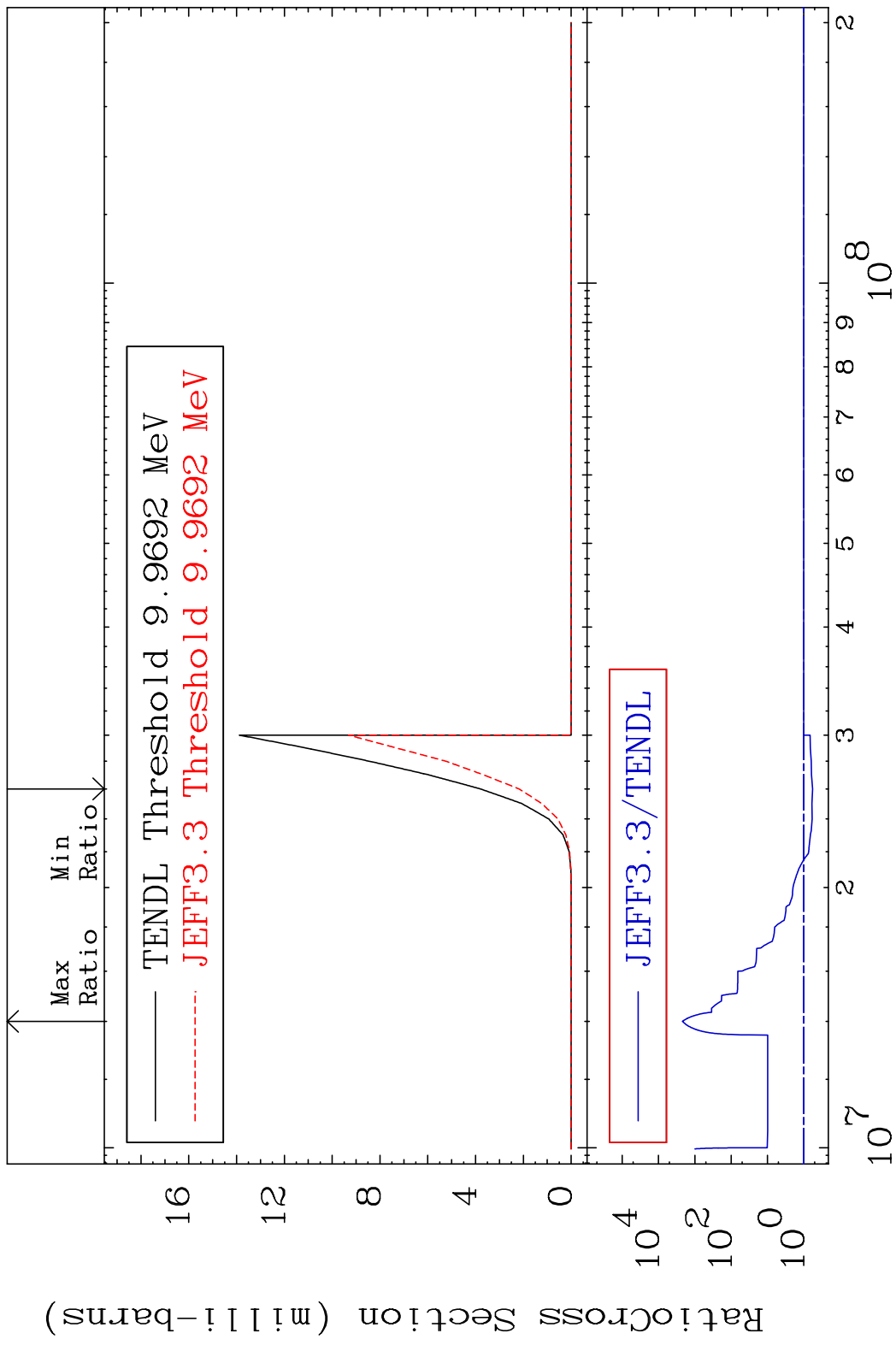




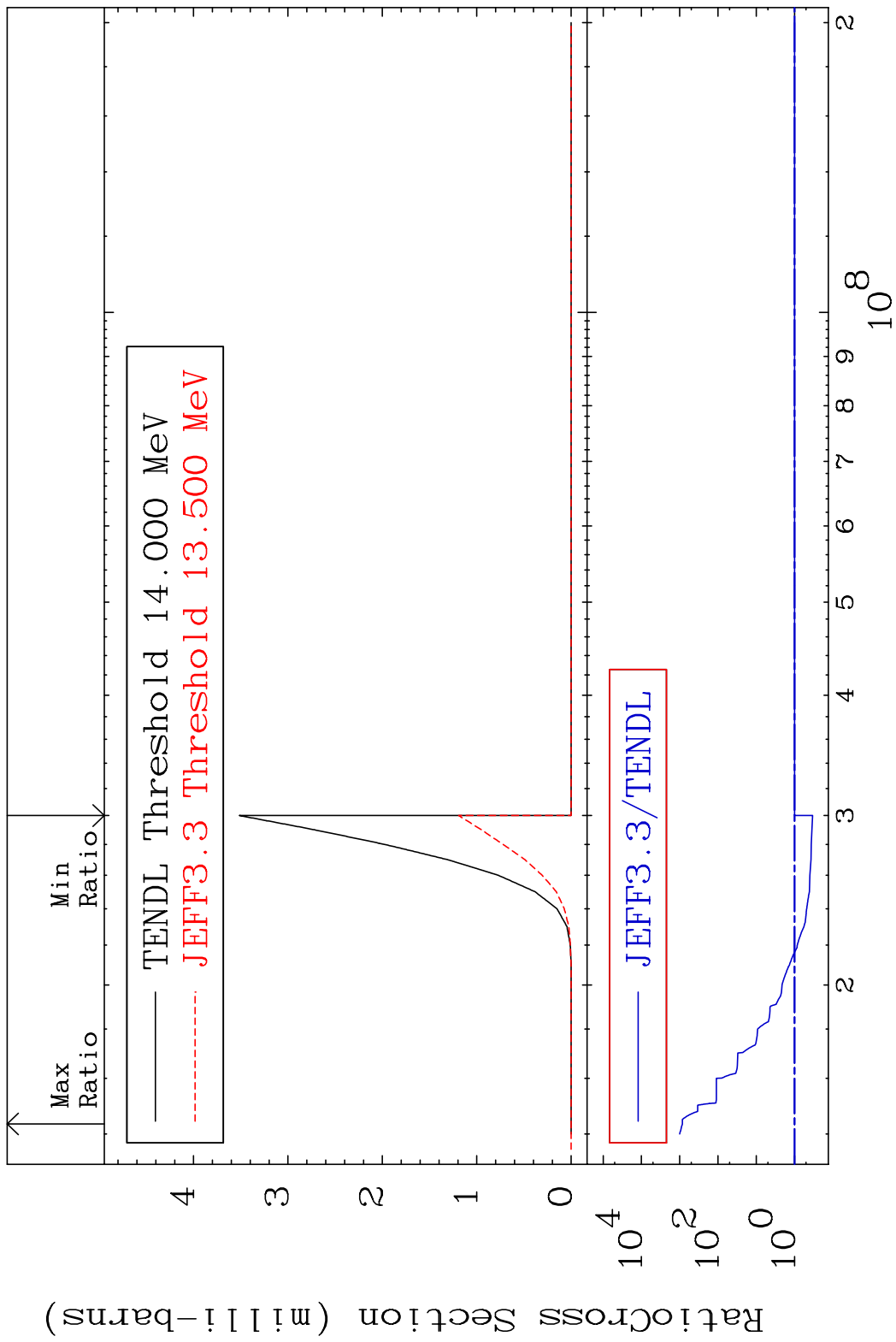


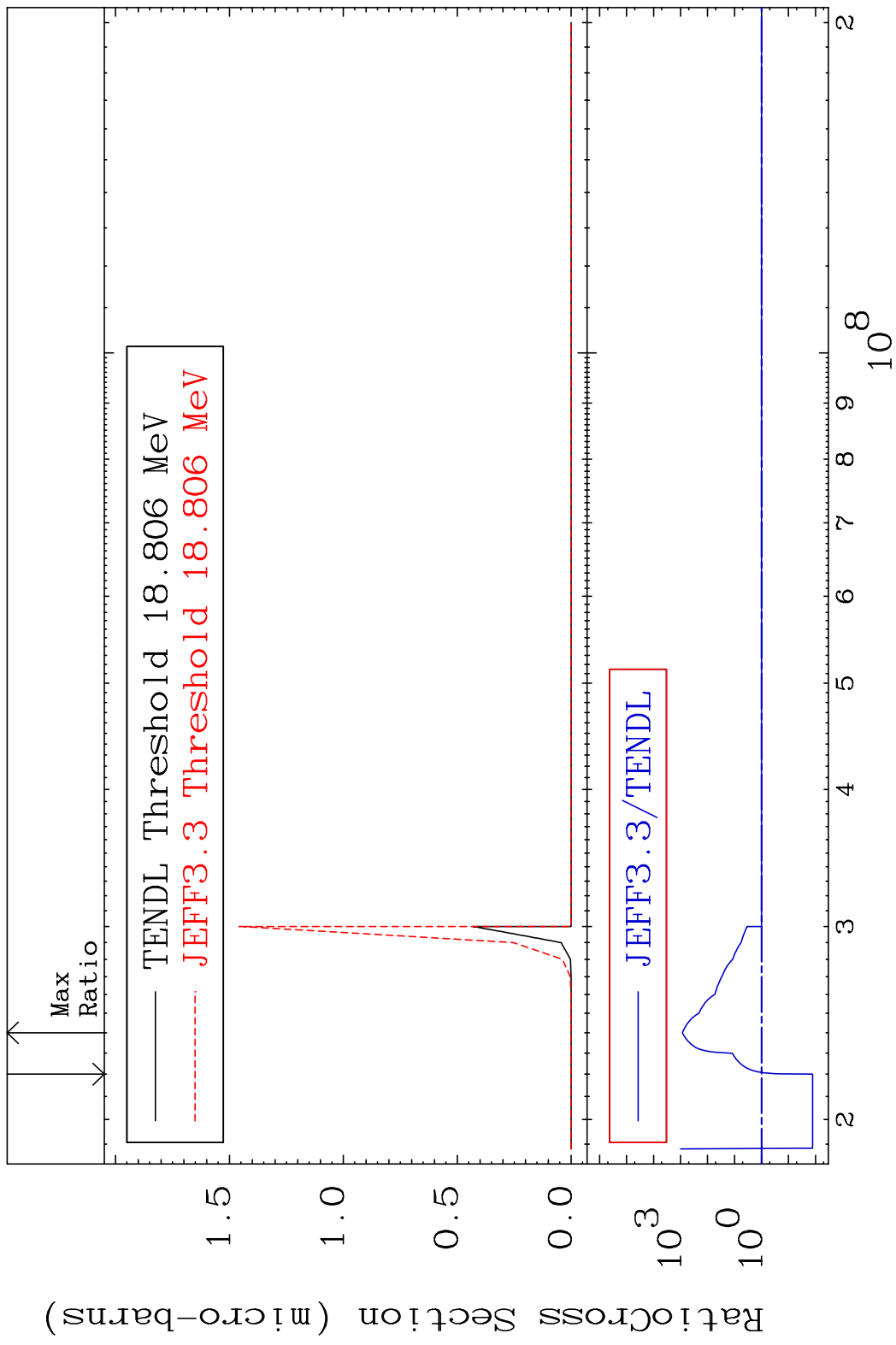


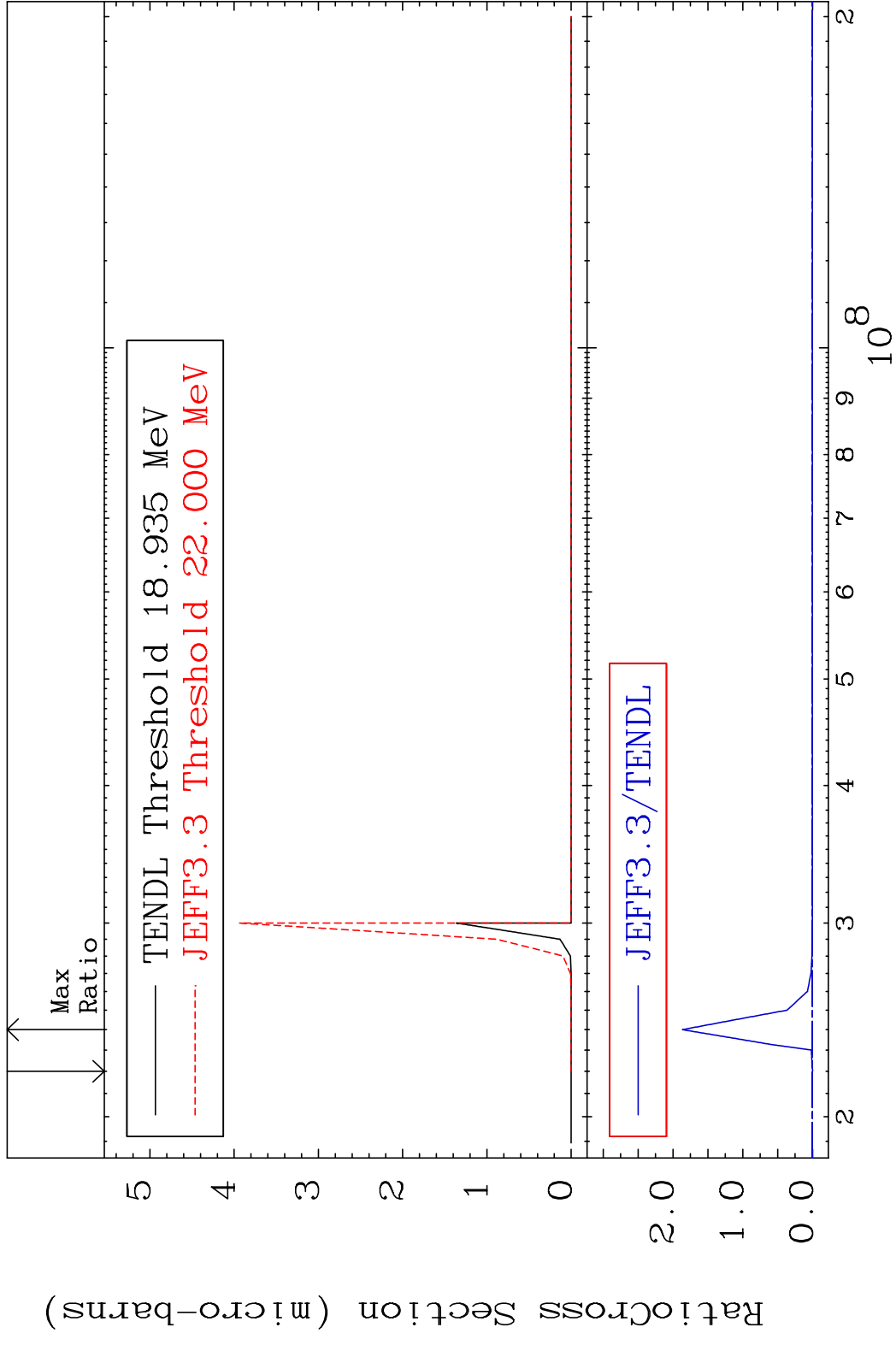
MAT 5128 (n,2n) α :49-In-117g 51-Sb-122
 Radionuclide Production Cross Section 426581 d10 9999. %

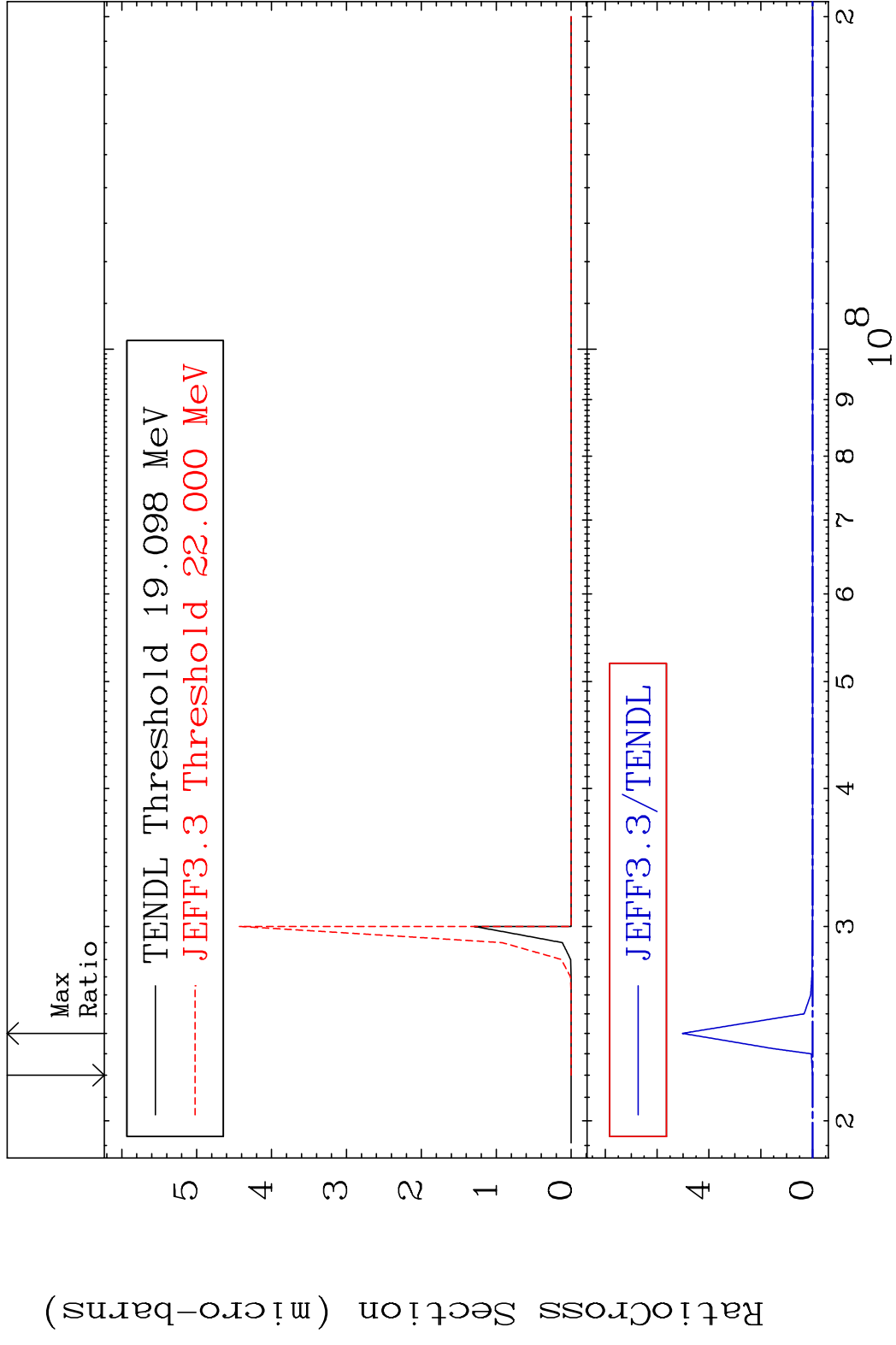


87 Incident Energy (eV) 51-Sb-122

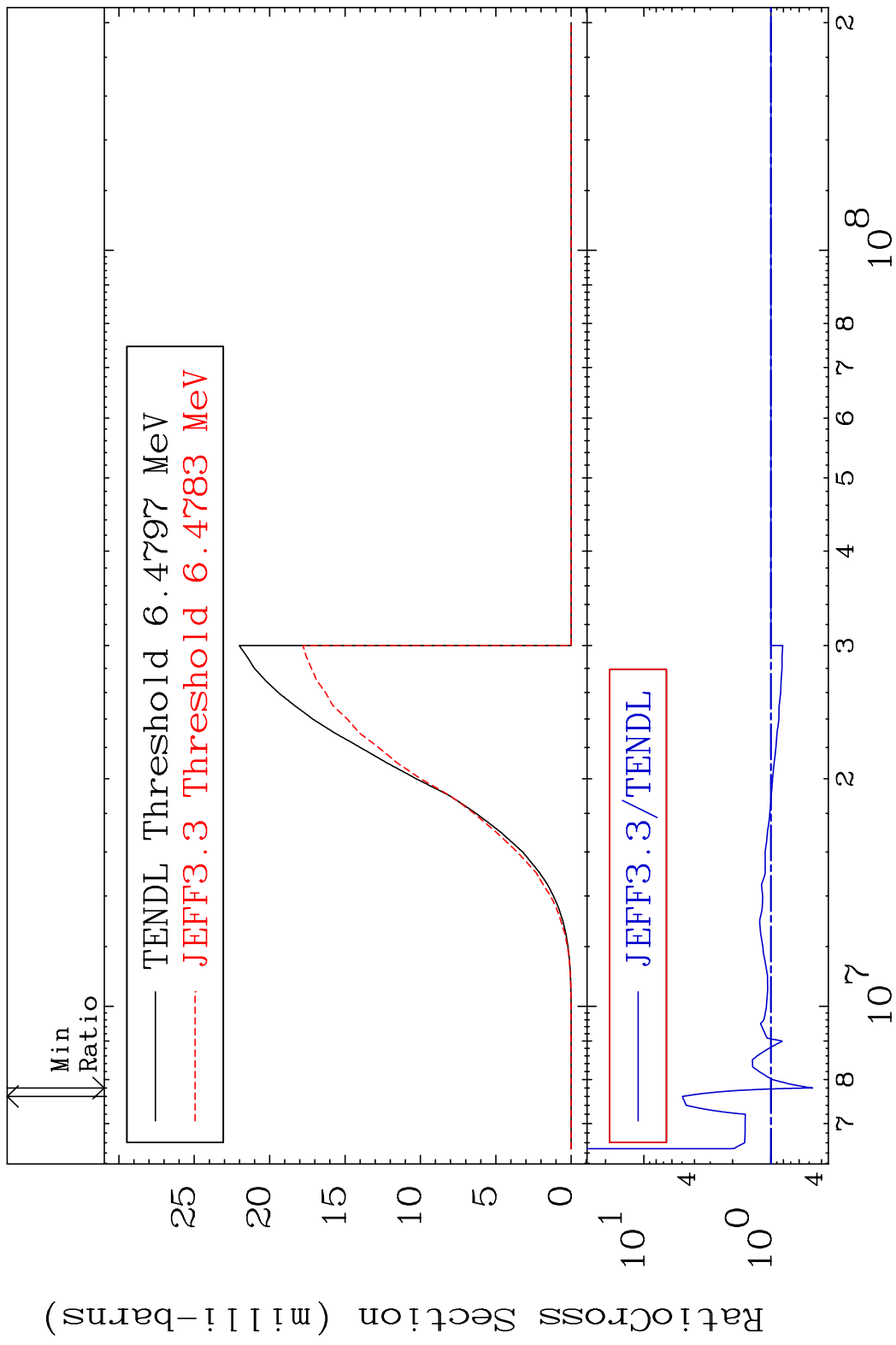


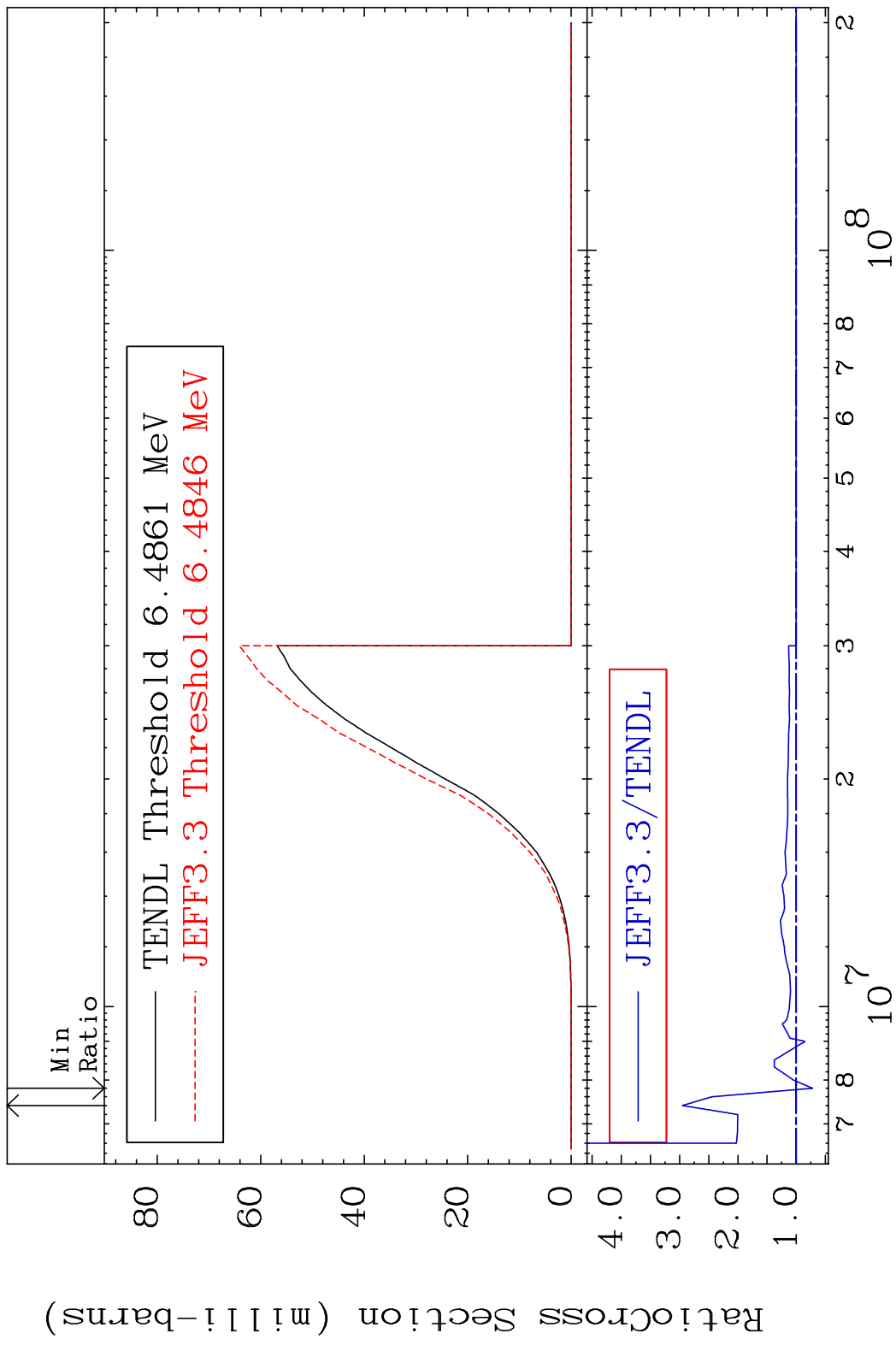


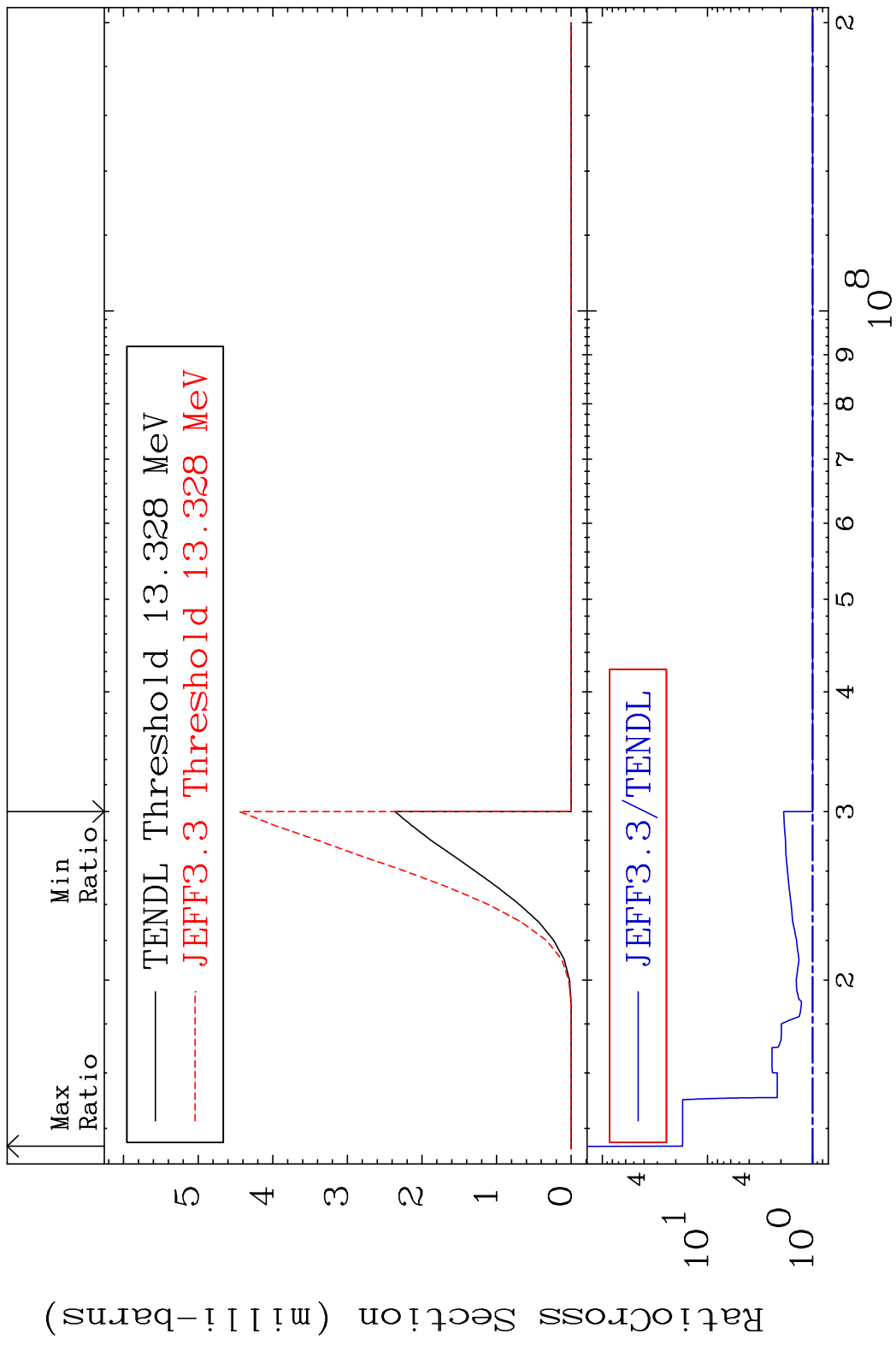




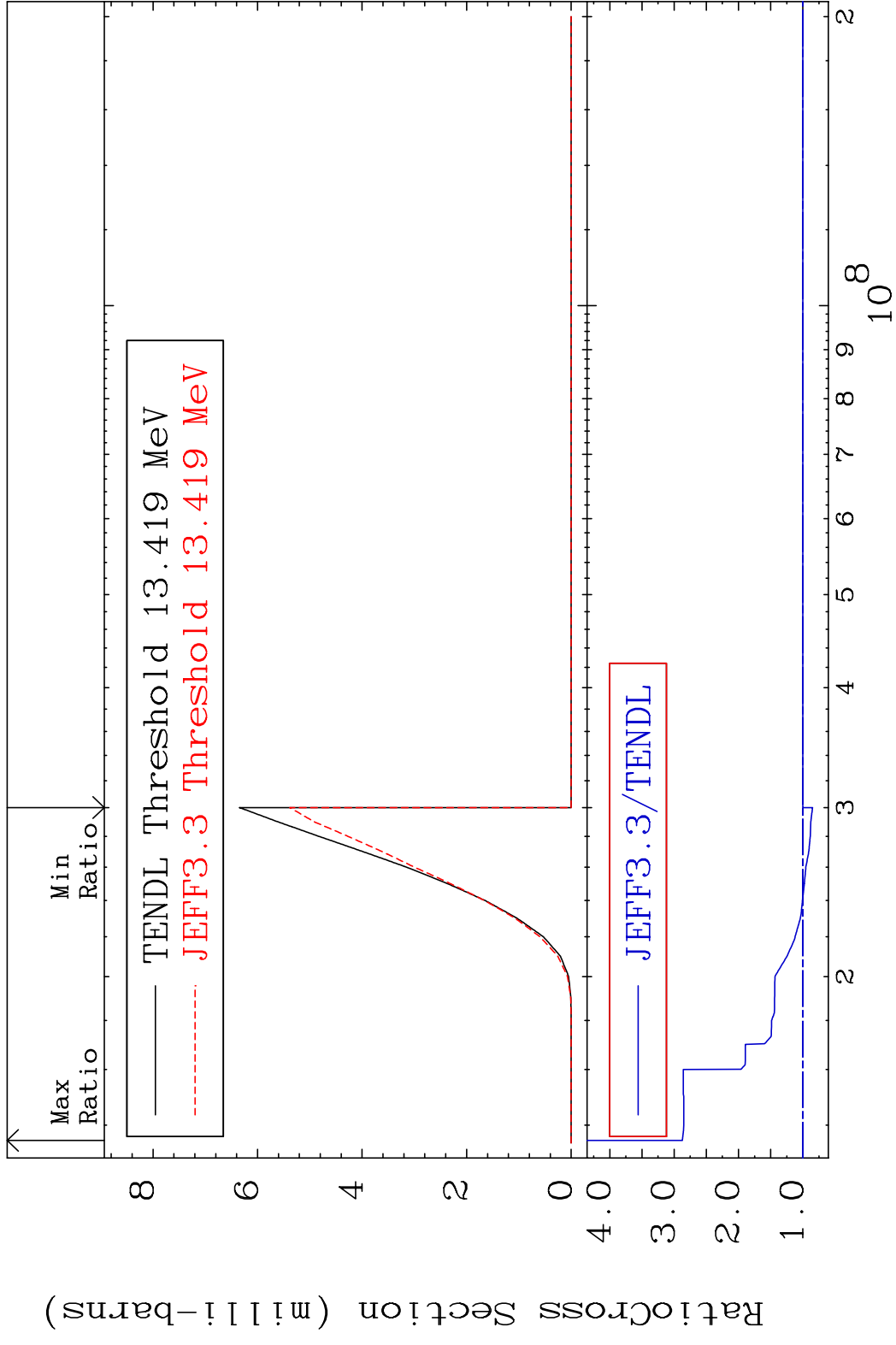
MAT 5128 (n, n') p:50-Sn-121g 51-Sb-122
 Radionuclide Production Cross Section 52e681d10 397.1 %

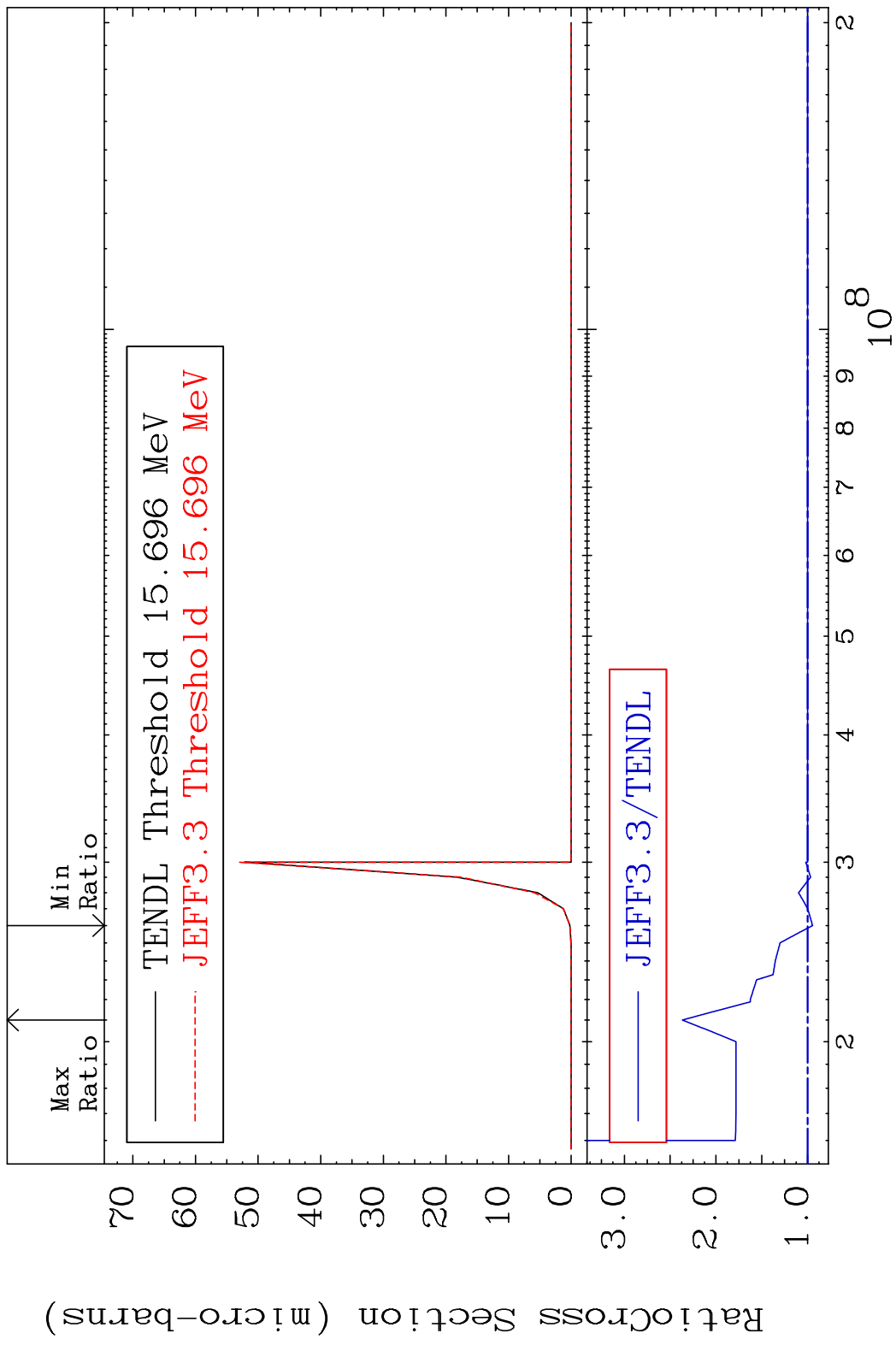


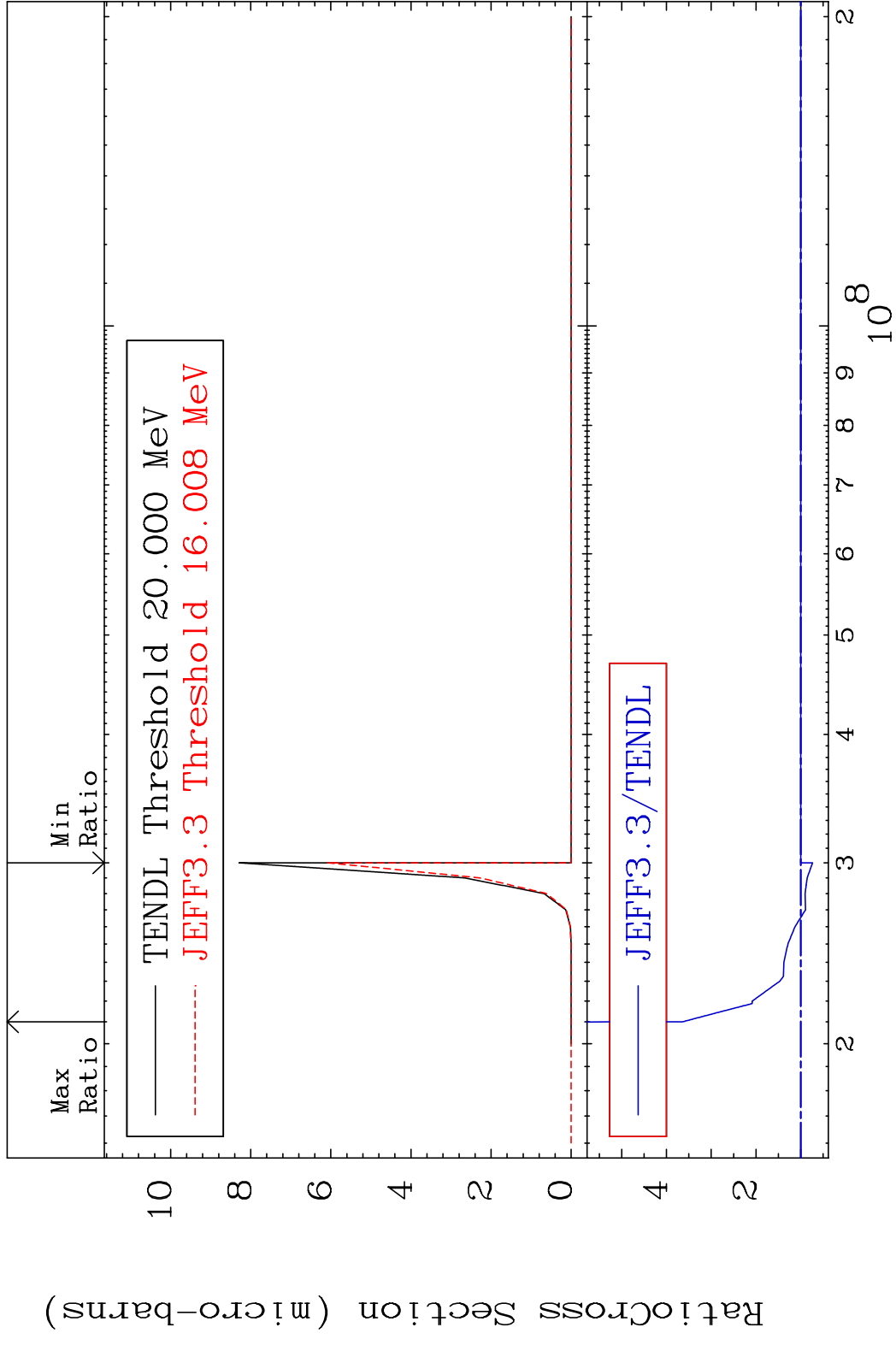


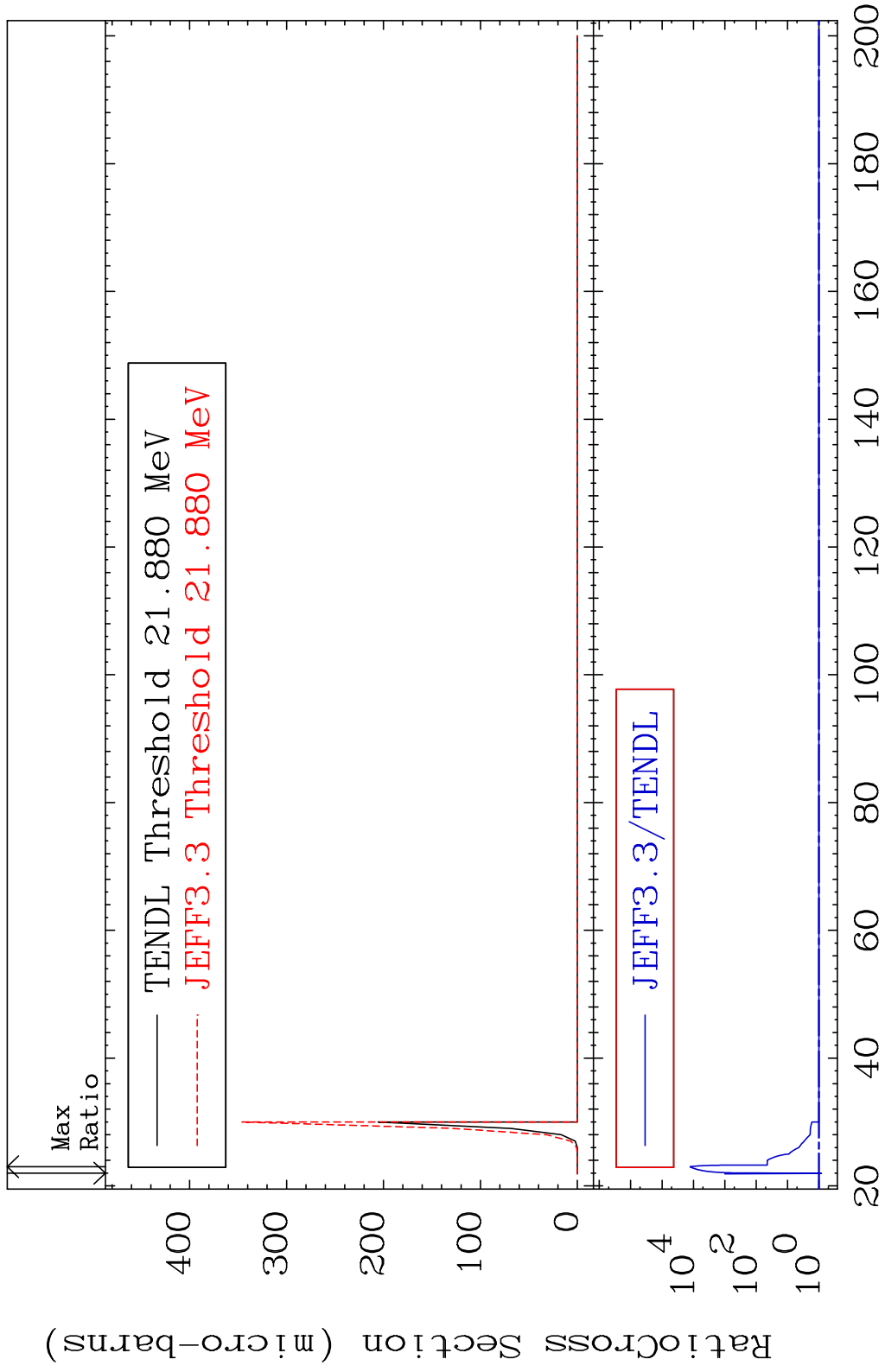


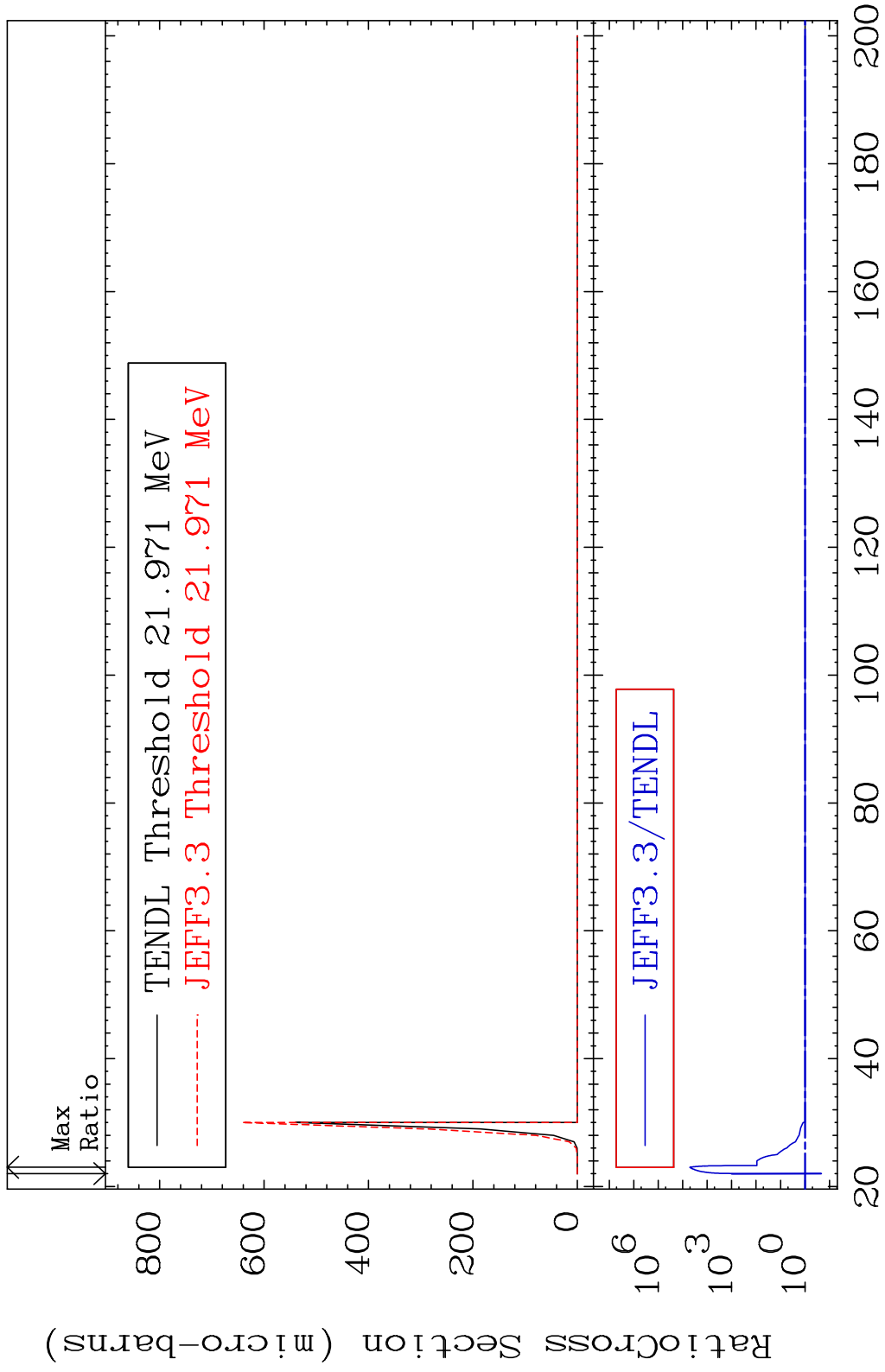
MAT 5128 (n, n') t:50-Sn-119m2 51-Sb-122
 Radionuclide Production Cross Section 187.3 %
 Incident Energy (eV)



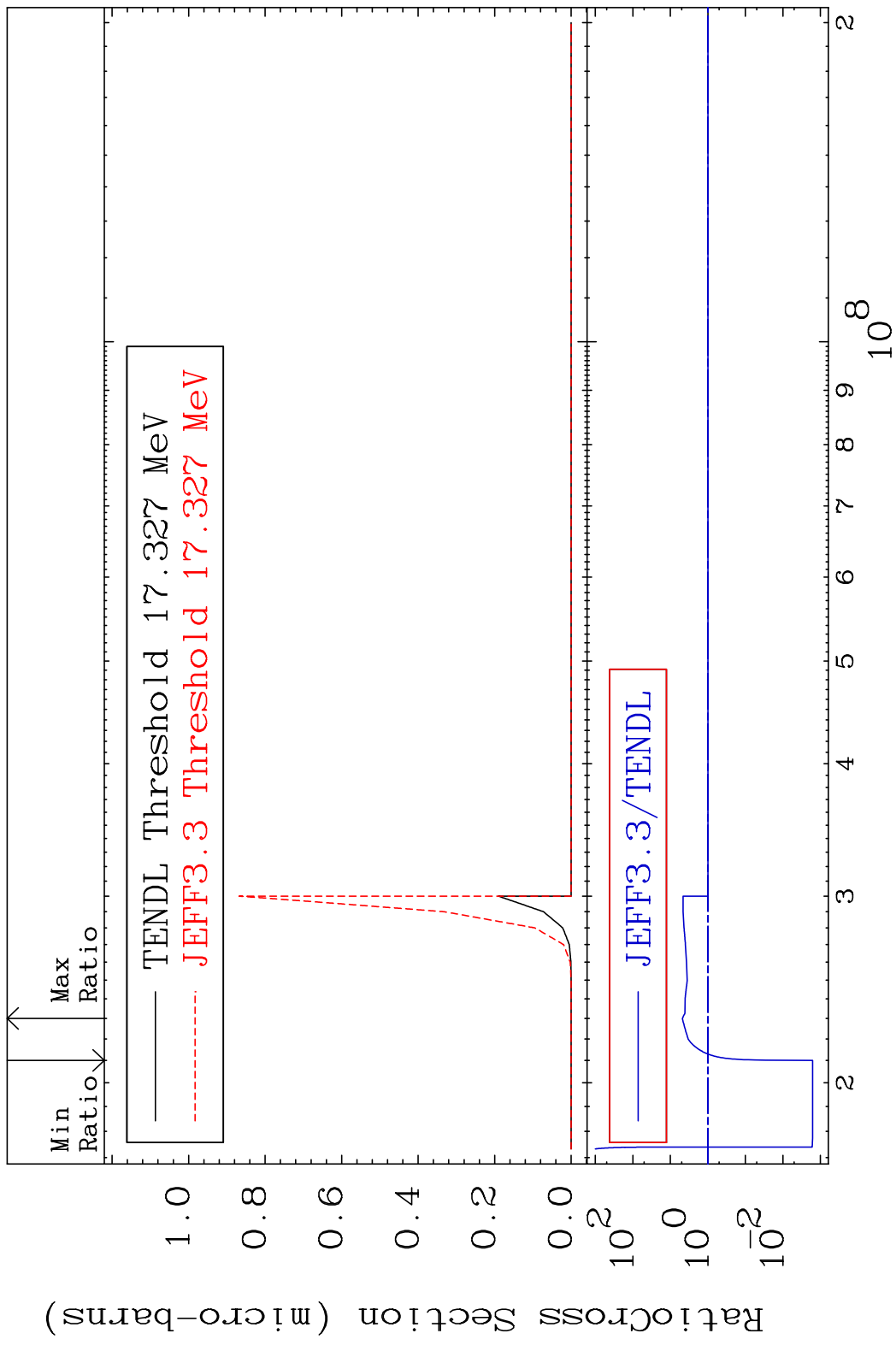


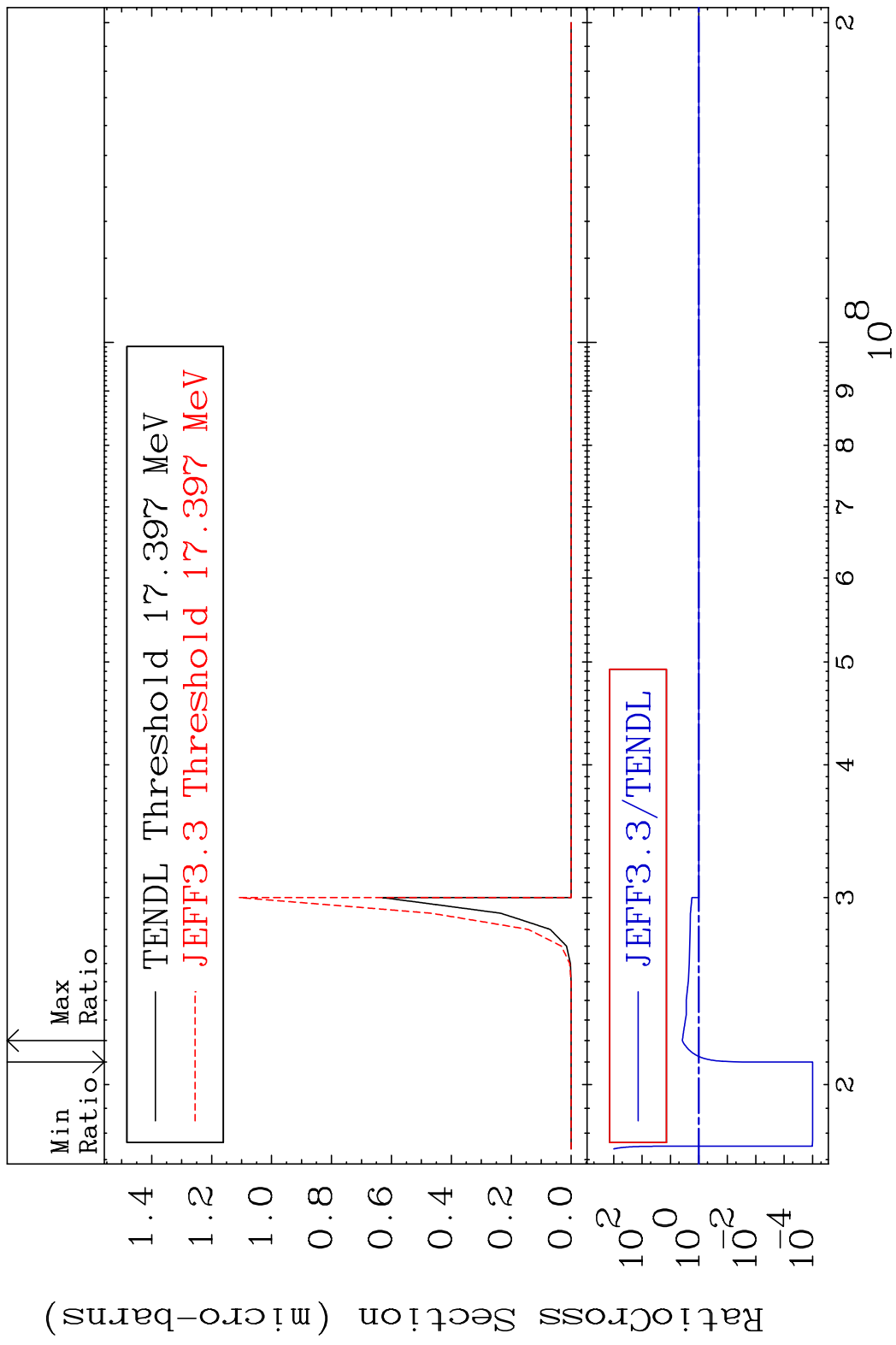


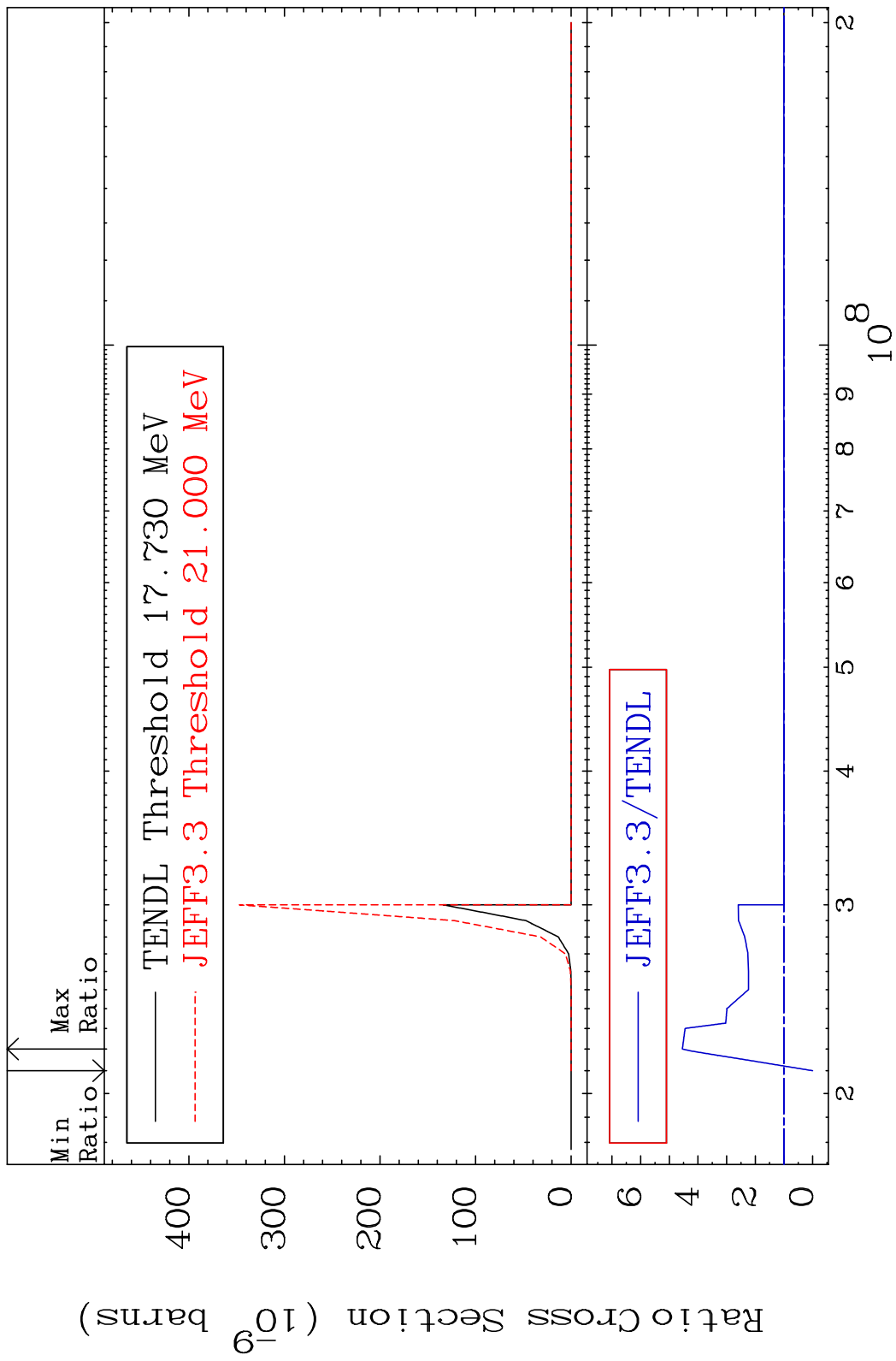


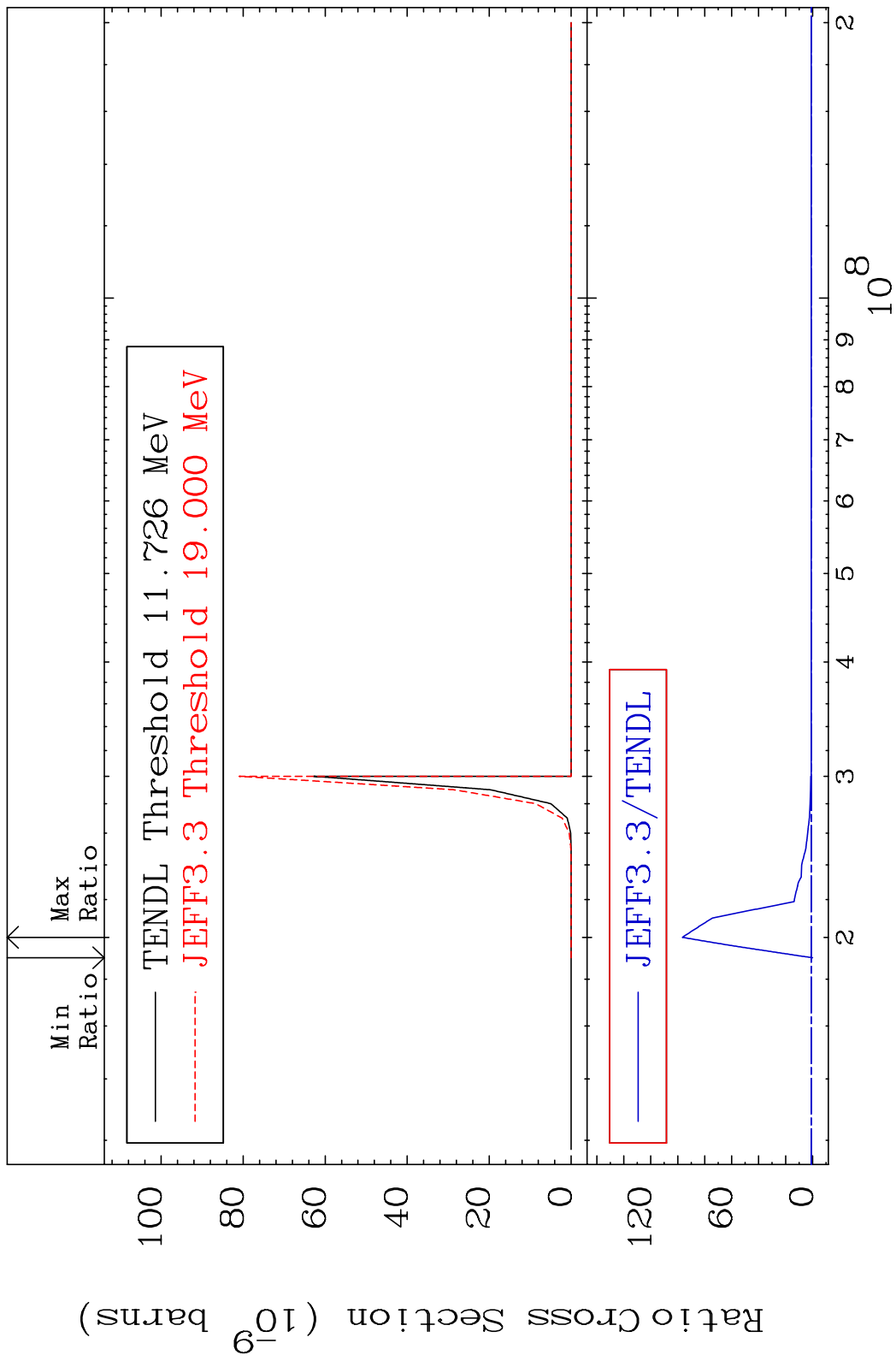


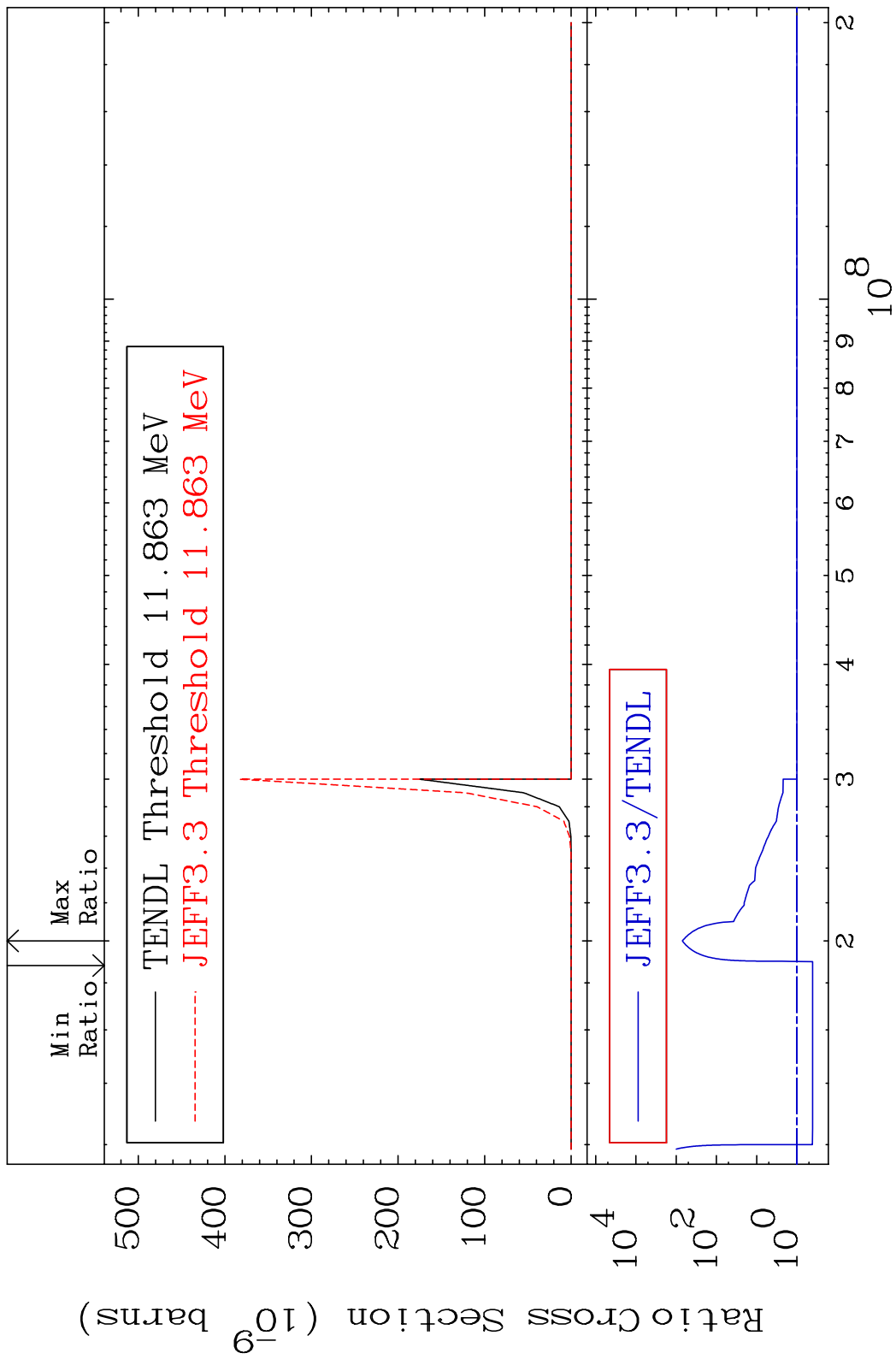
MAT 5128 (n,2n) p:49-In-120g 51-Sb-122
 Radionuclide Production Cross Section 378.6 %



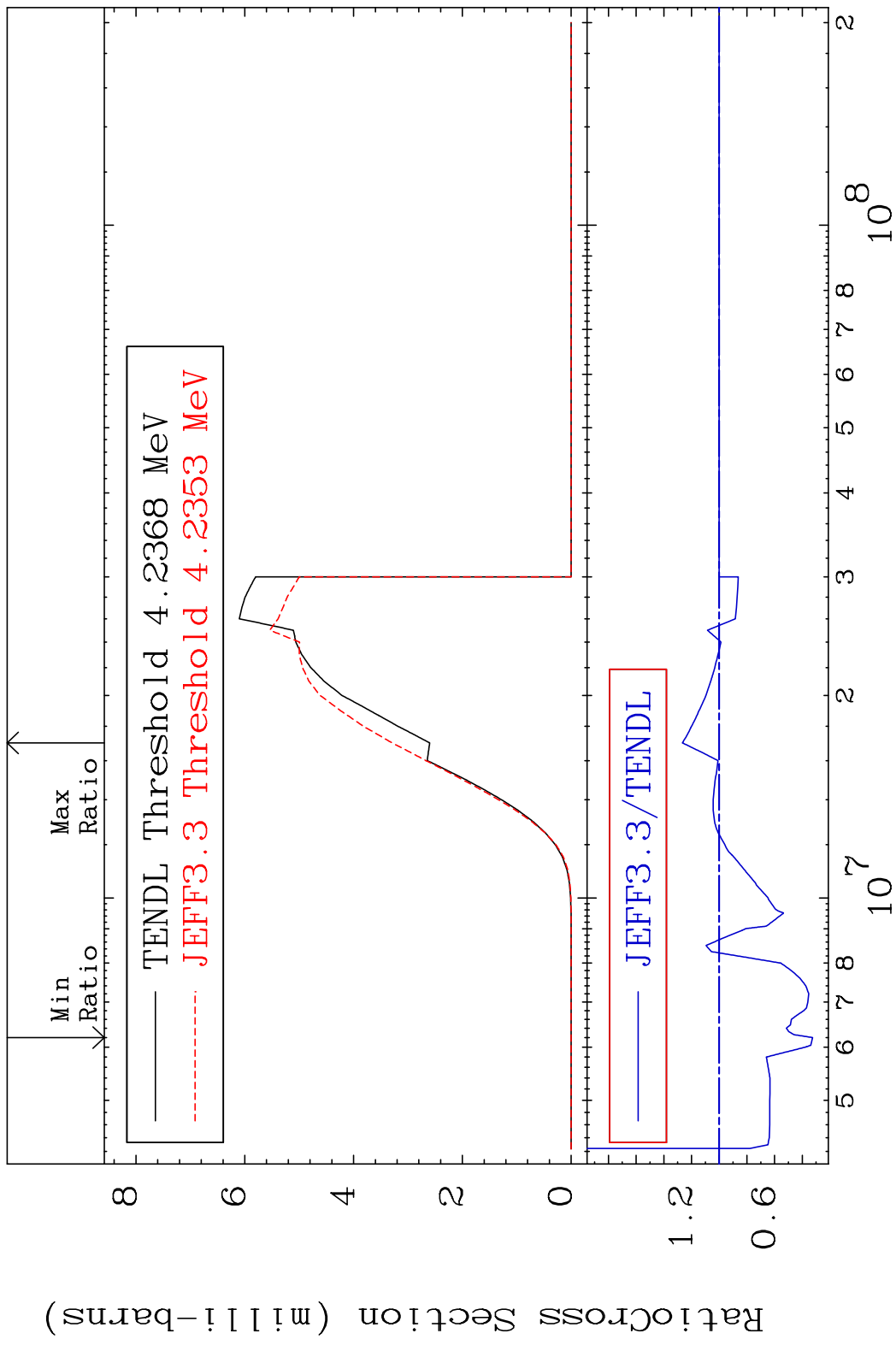




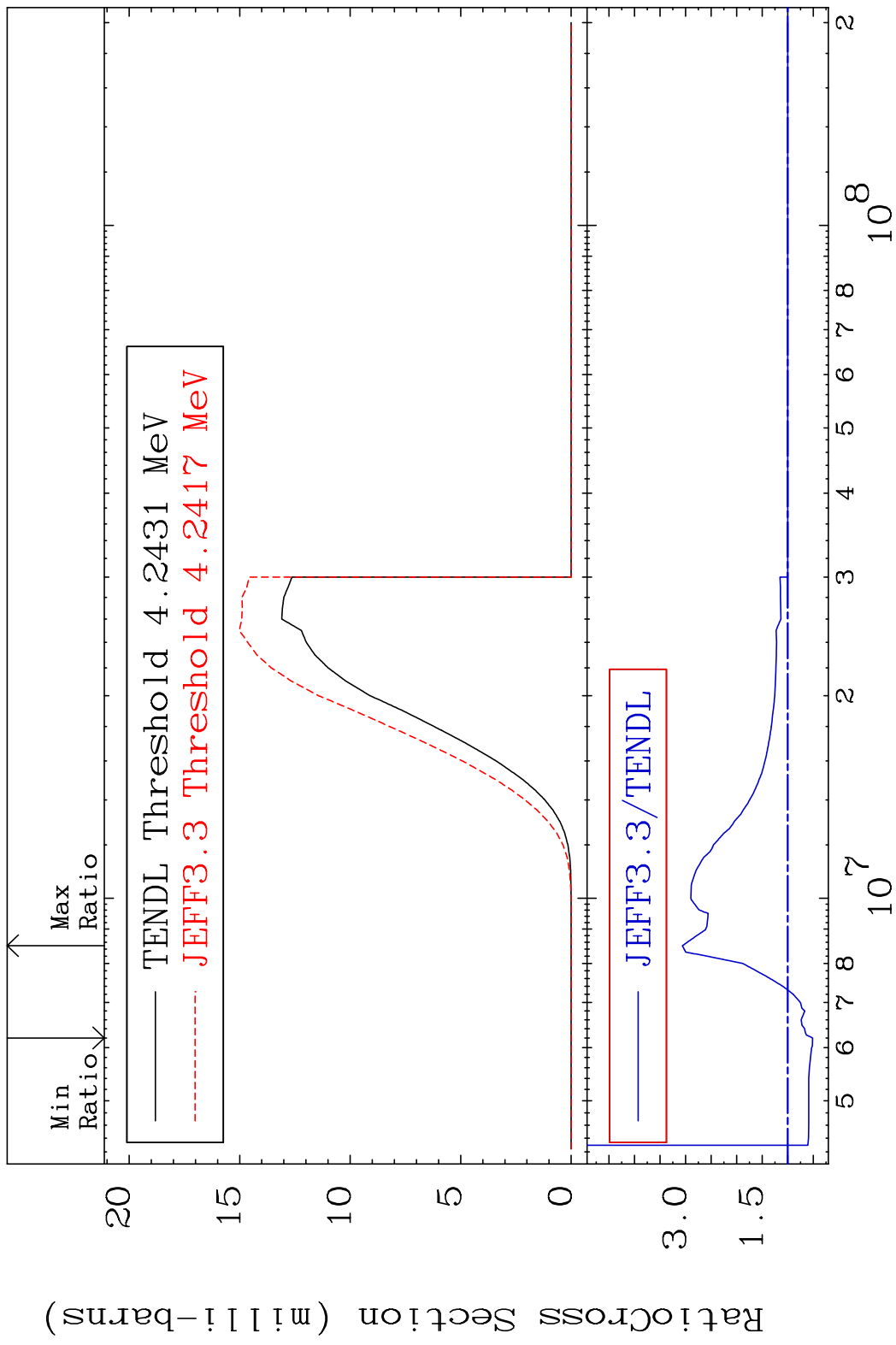


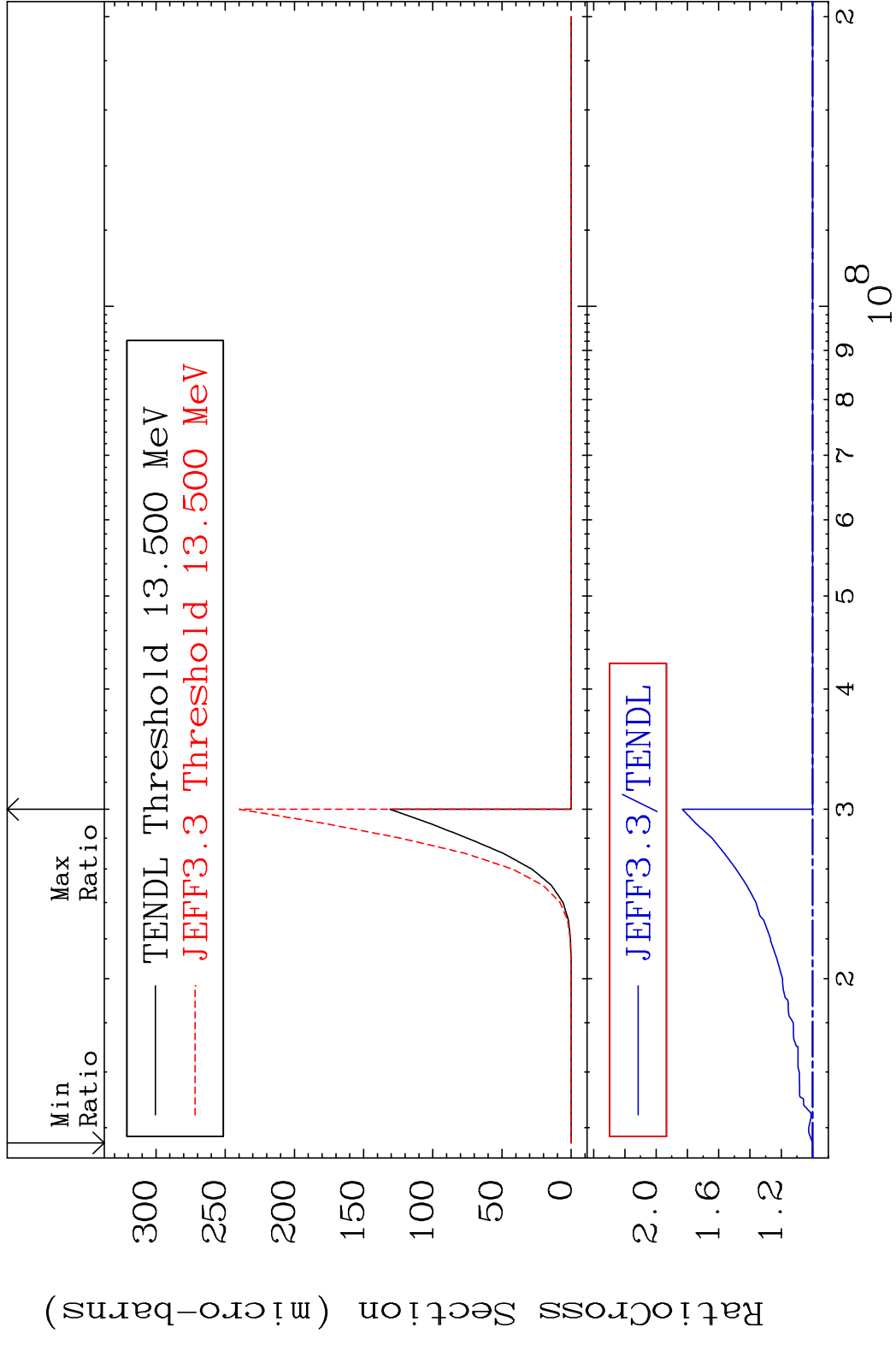


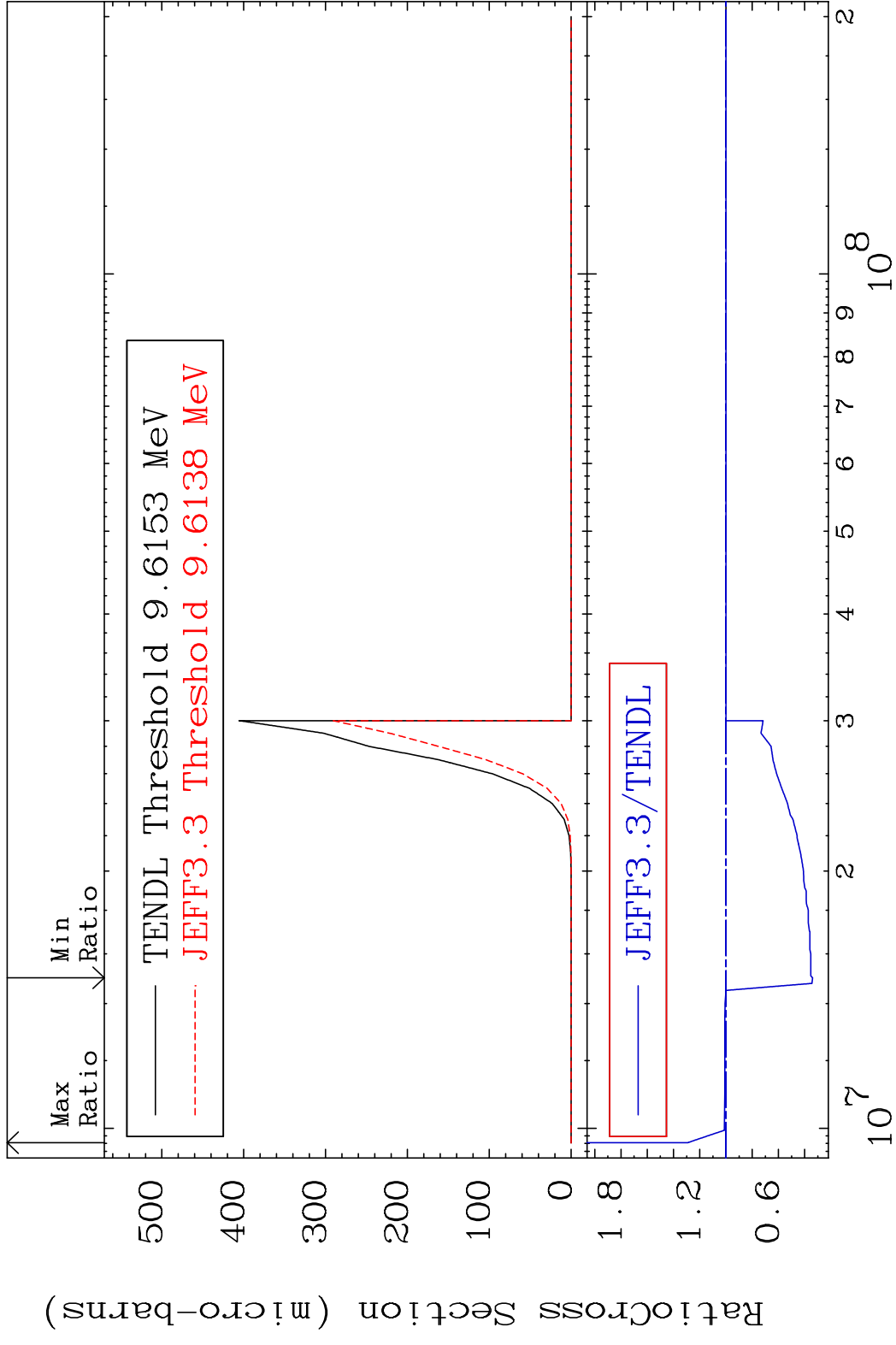
MAT 5128 (n, d):50-Sn-121g 51-Sb-122
 Radionuclide Production Cross Section 26.62 %



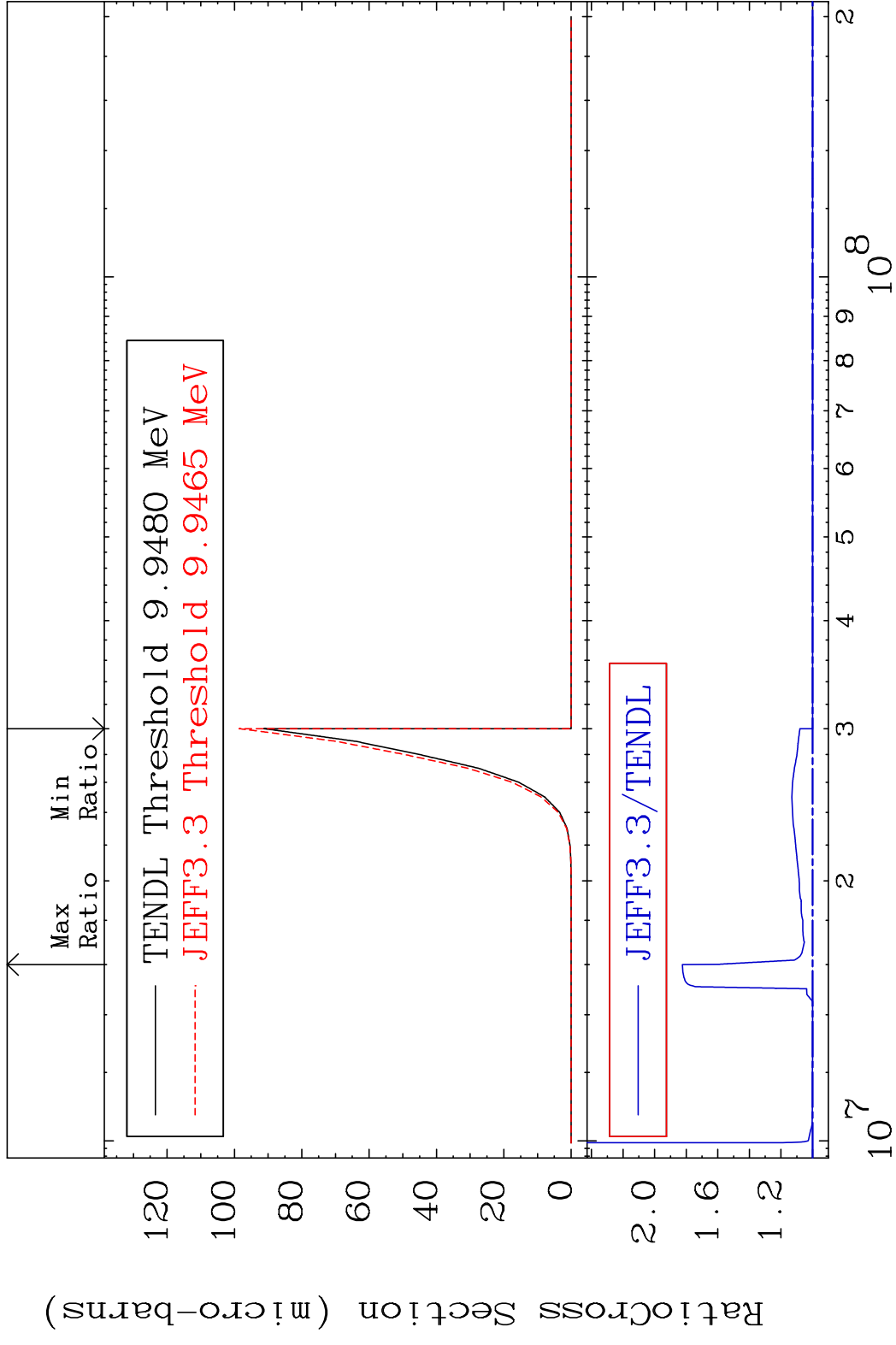
105 Incident Energy (eV) 51-Sb-122



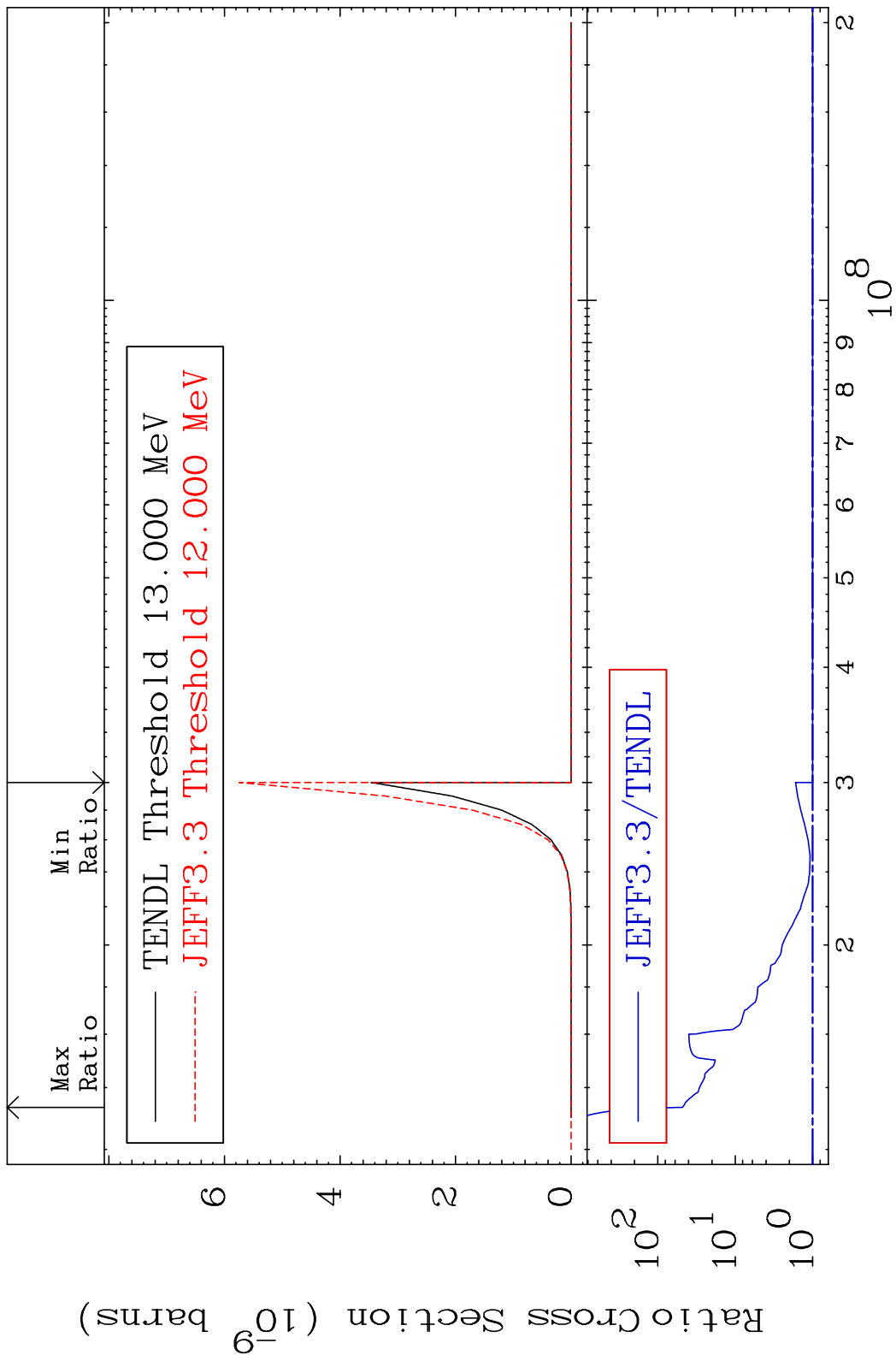


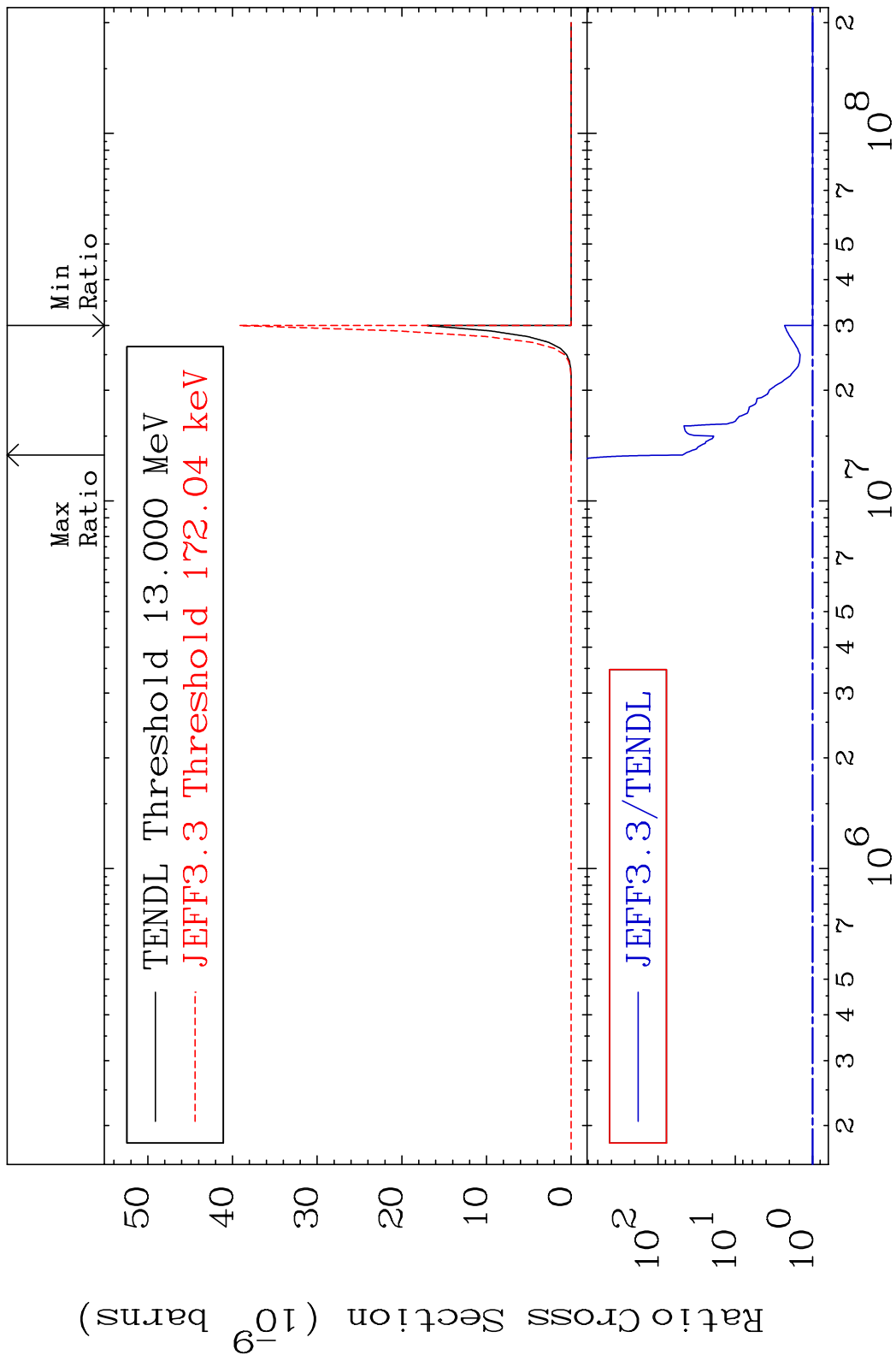


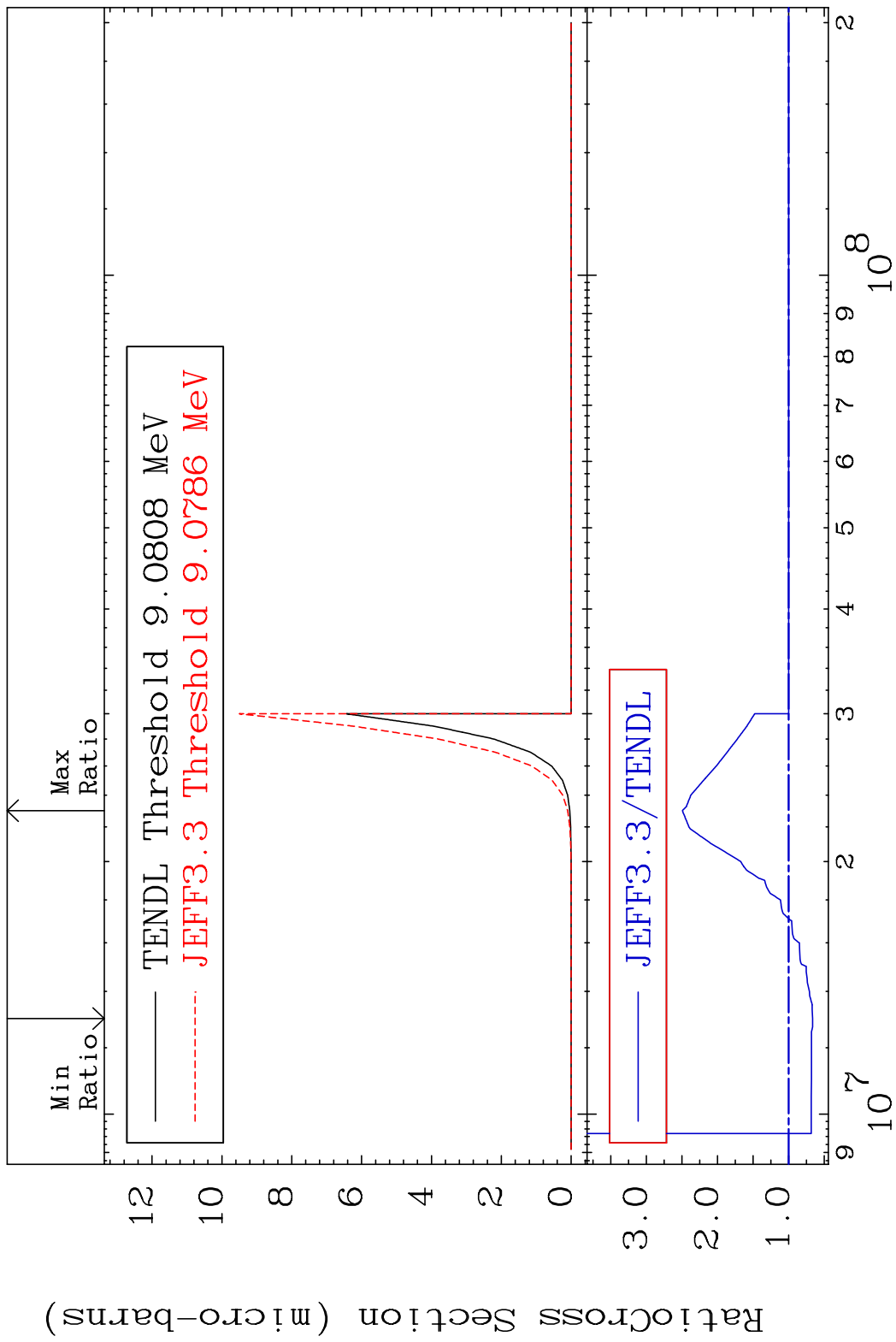
MAT 5128 (n, He-3) : 49-In-120m2 51-Sb-122
 Radionuclide Production Cross Section 82.46 %

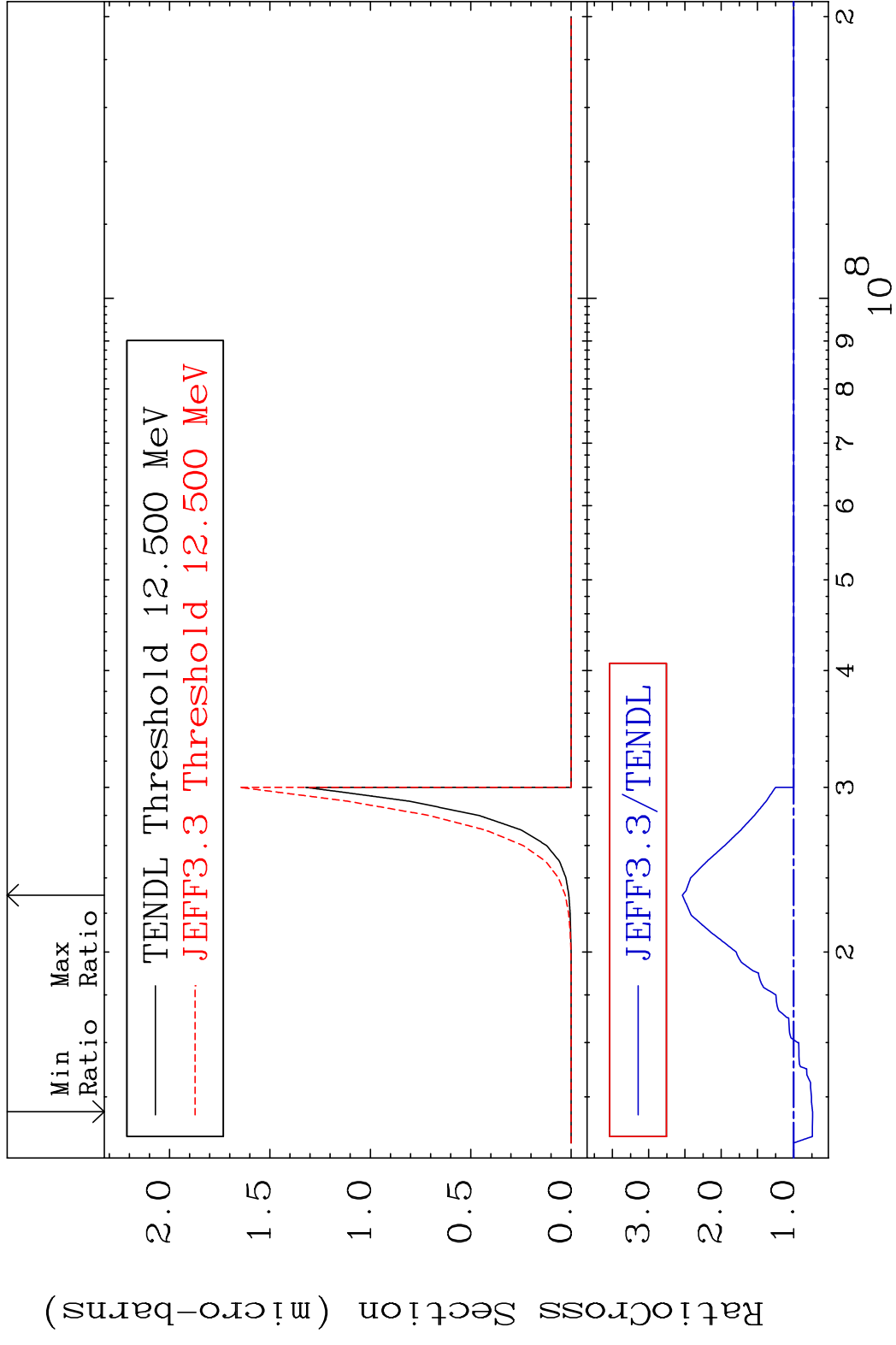


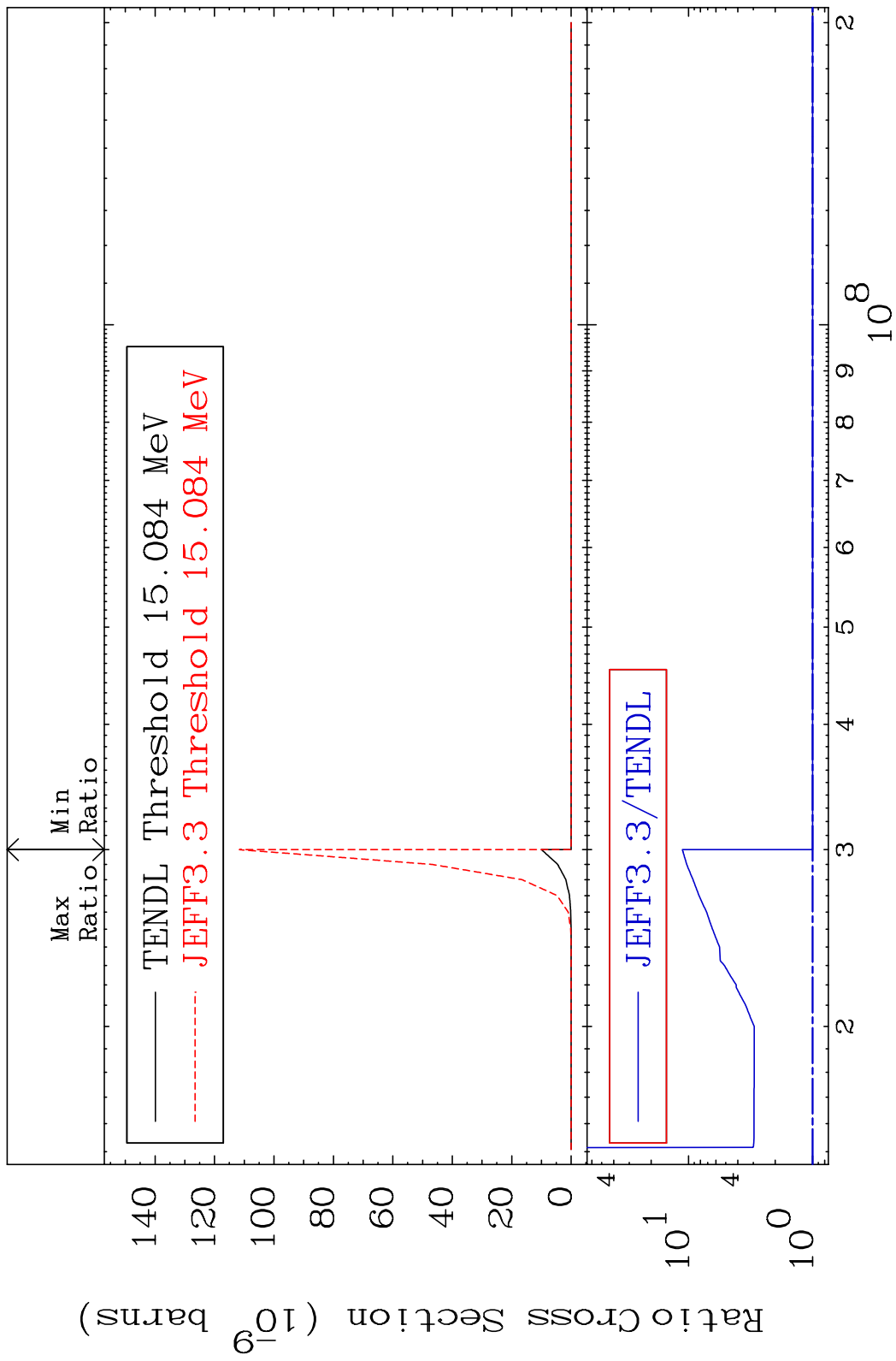
109 Incident Energy (eV) 51-Sb-122



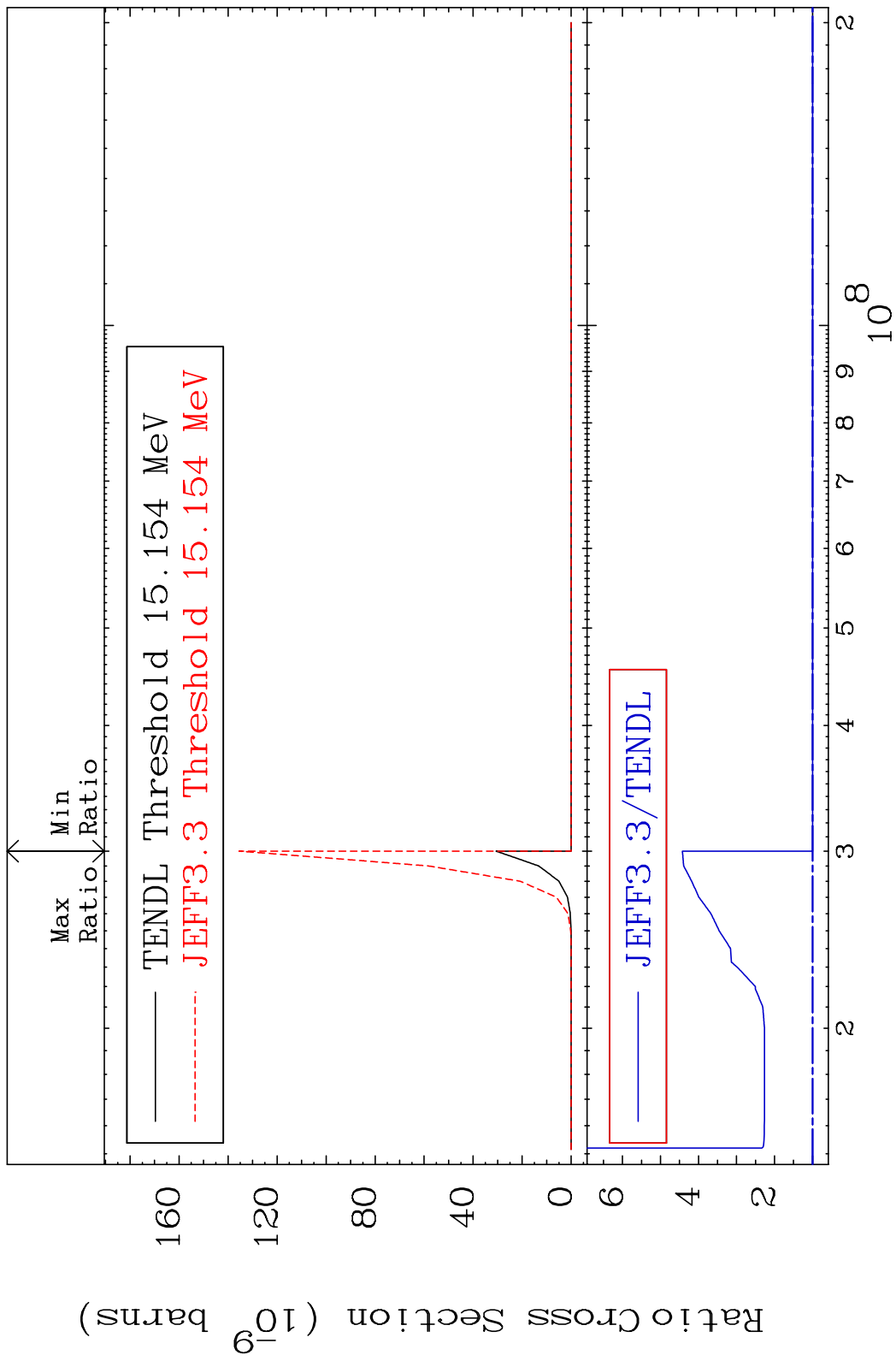


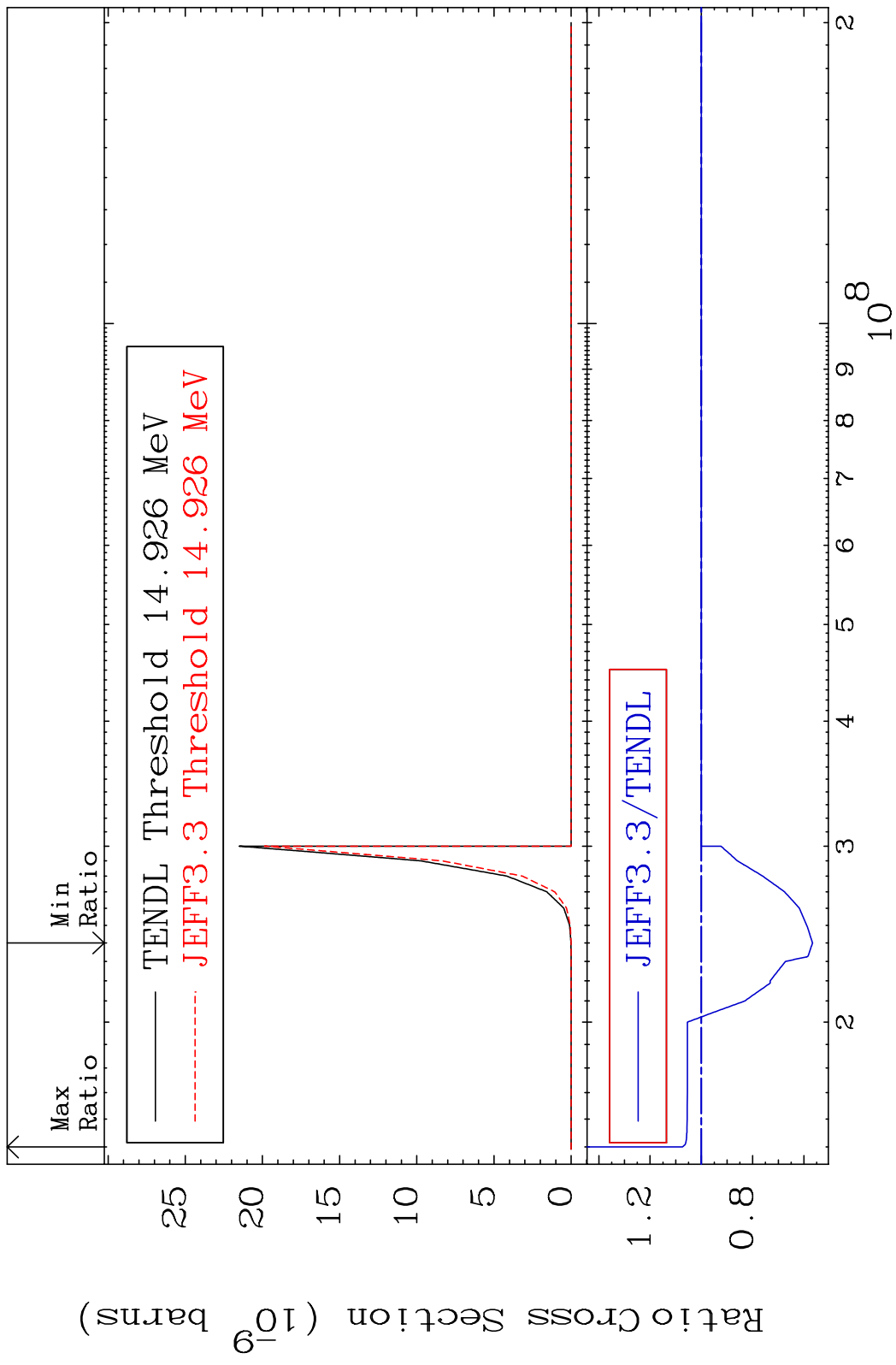


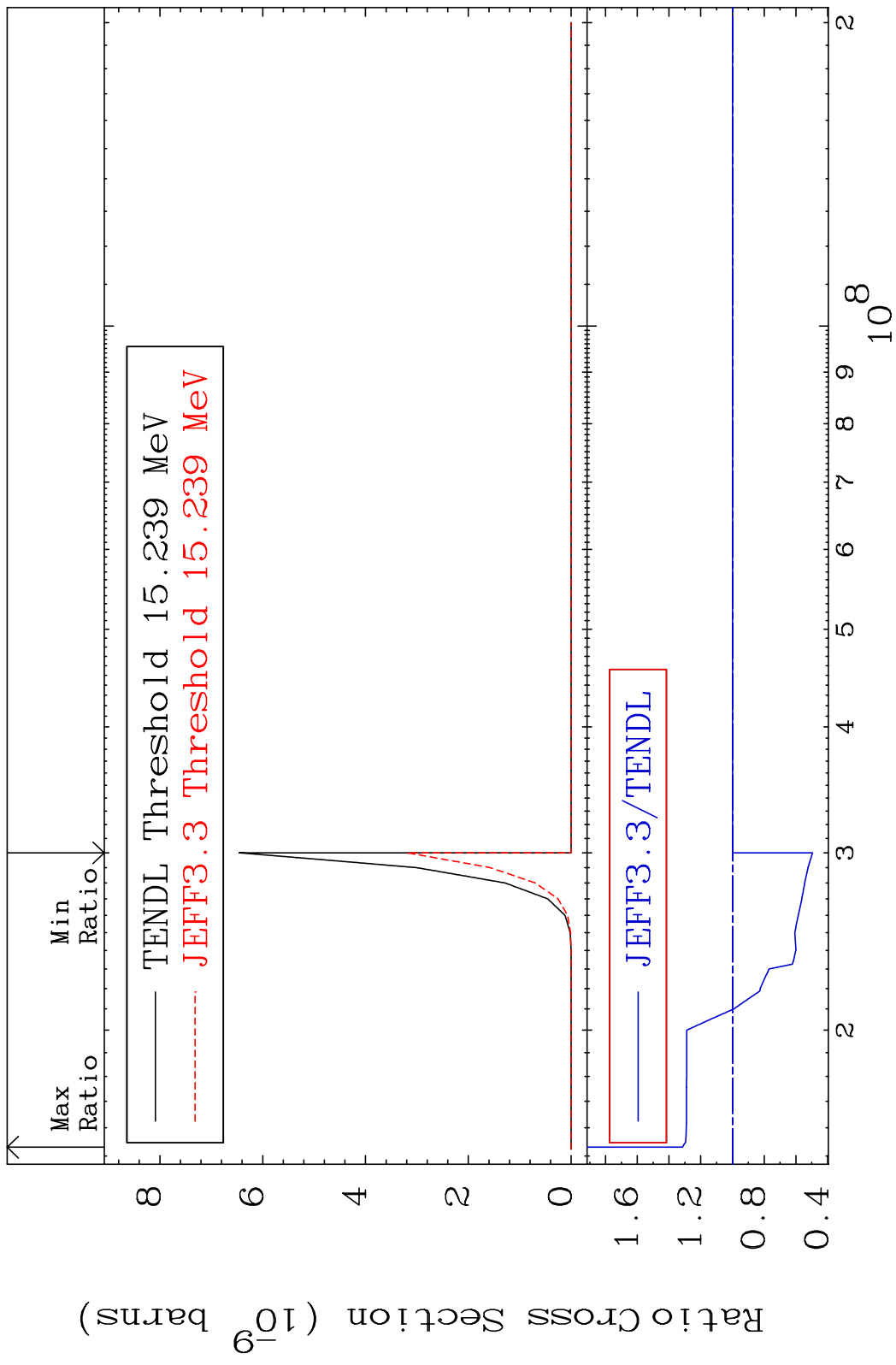


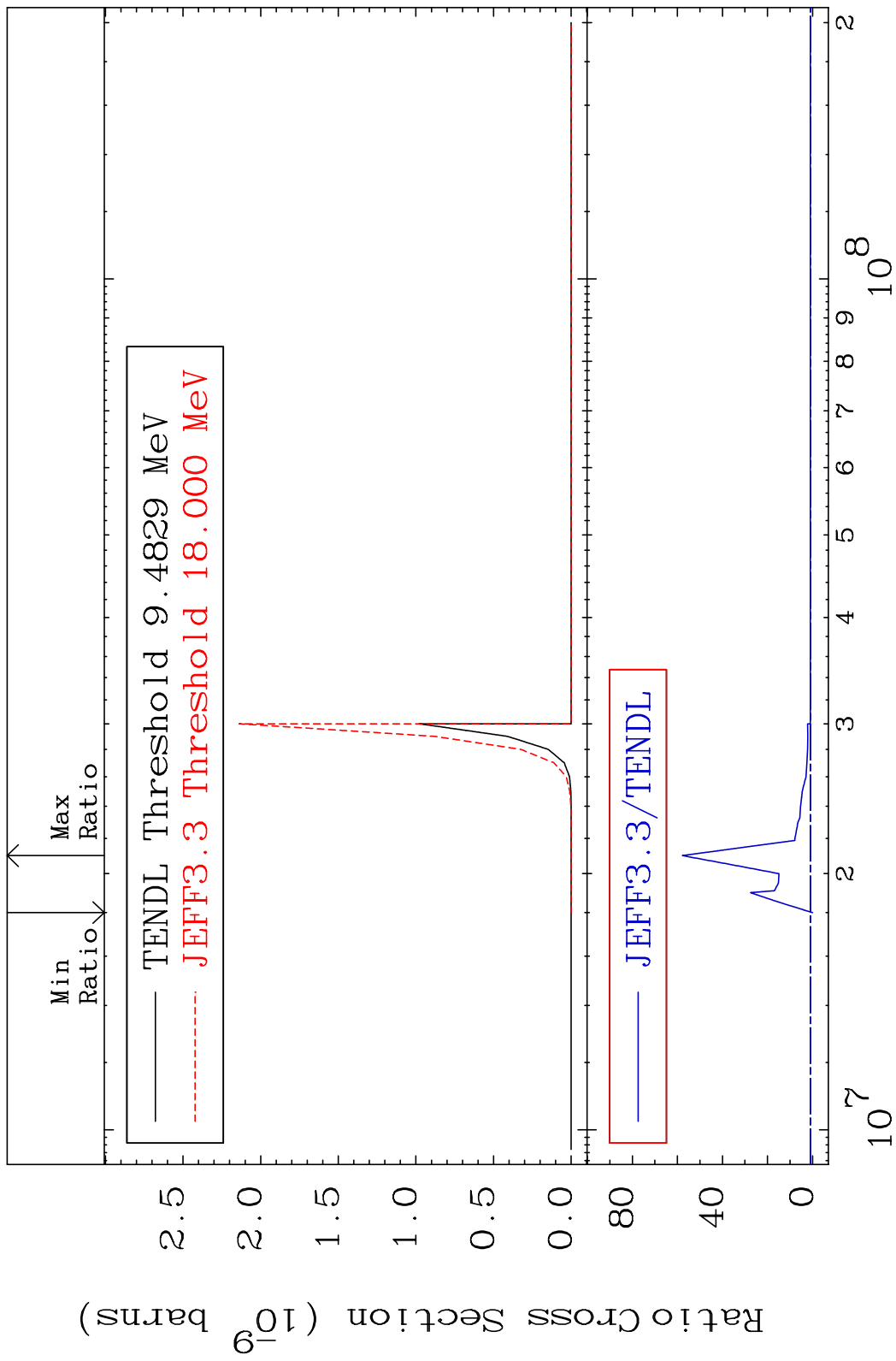


MAT 5128 (n, p) d:49-In-120m1 51-Sb-122
 Radionuclide Production Cross Section 342.6 %

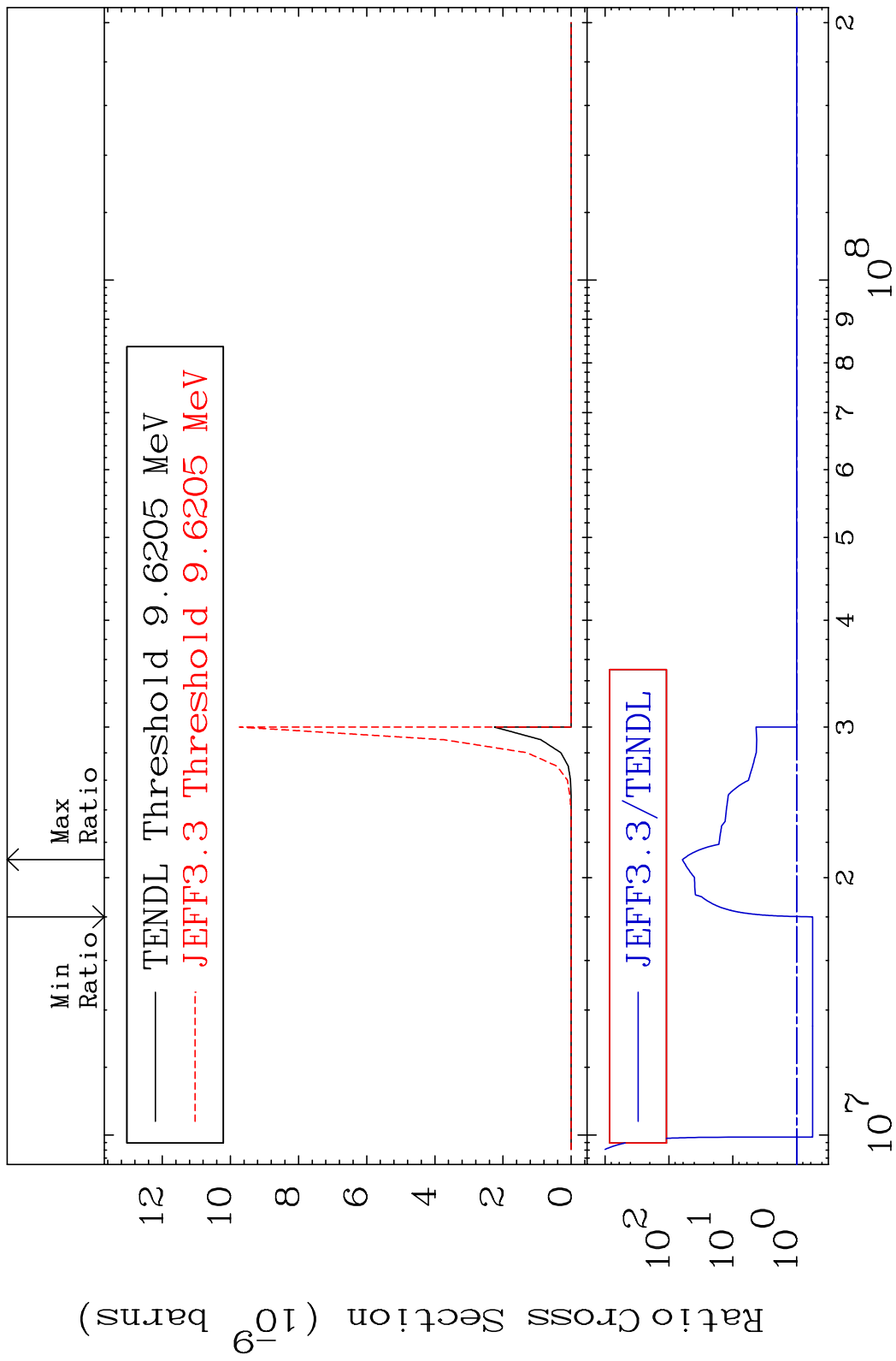








MAT 5128 (n, d) α : 48-Cd-117m2 51-Sb-122
 Radionuclide Production Cross Section to 6055. %



120 Incident Energy (eV) 51-Sb-122