

Program Complot
(Version 2021-1)

by

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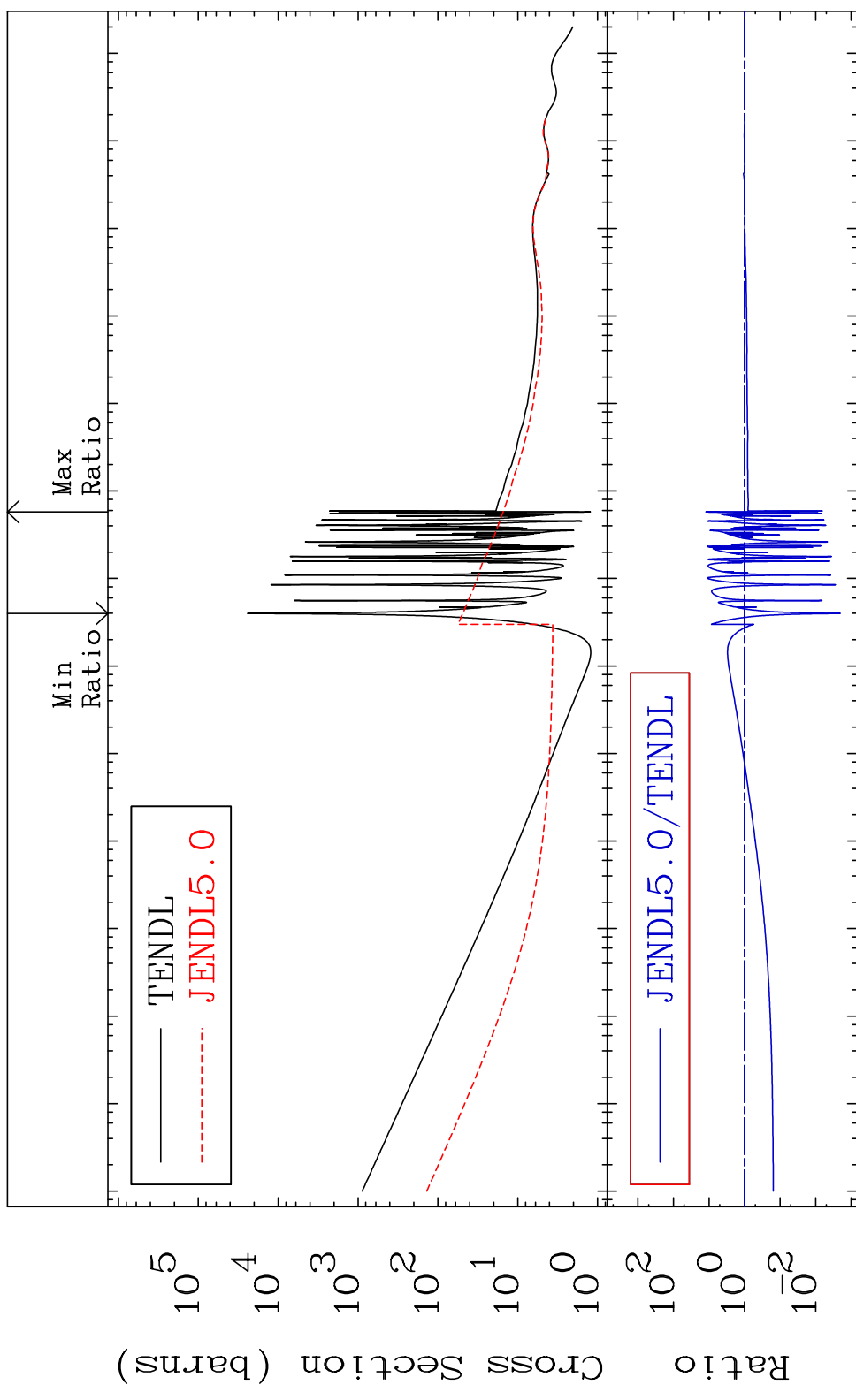
Press Mouse Button to Start

MAT 5140

Total

51-Sb-126

Cross Section -99.80 To 1137. %



10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 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

1

Incident Energy (eV)

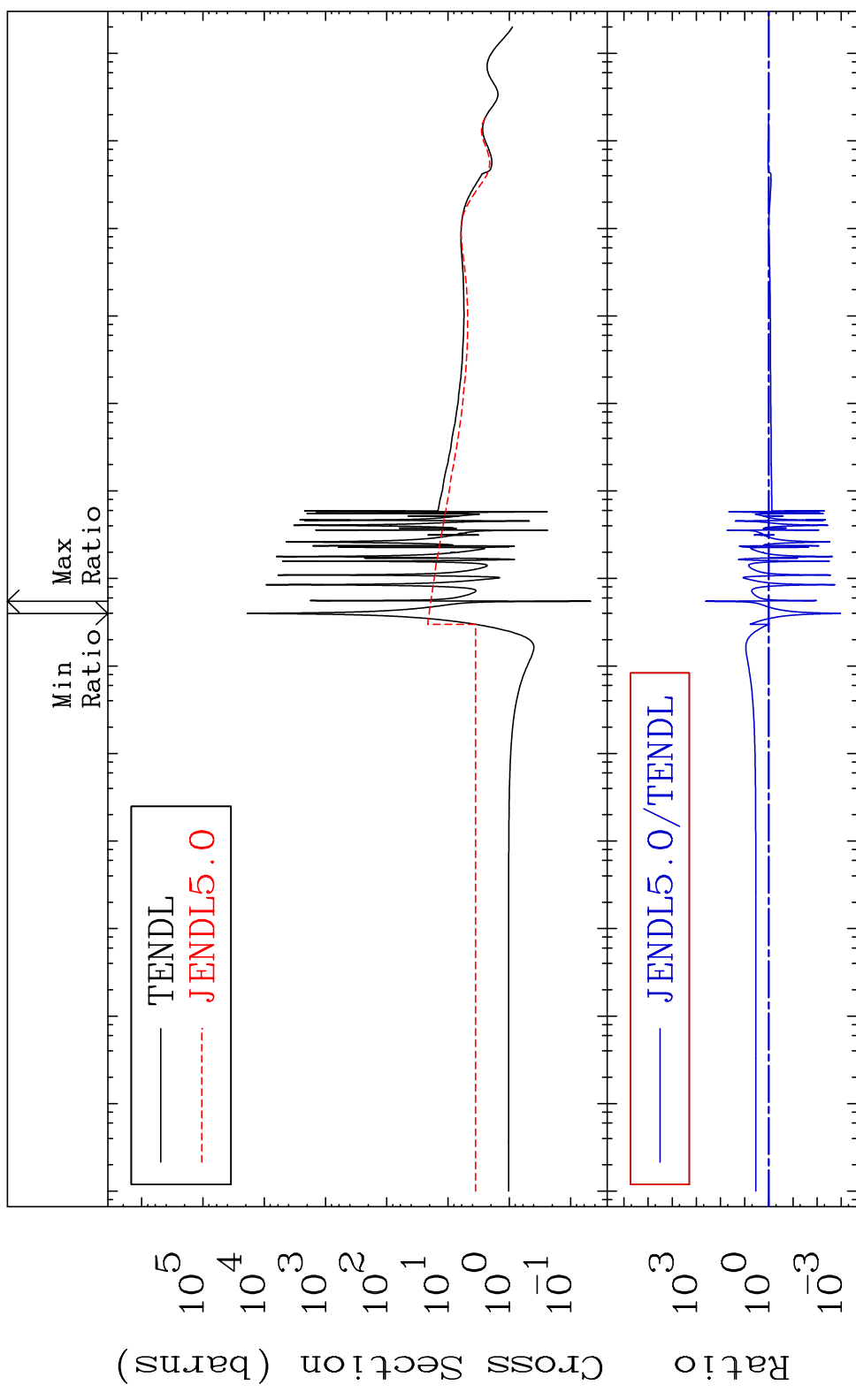
51-Sb-126

MAT 5140

51-Sb-126

Elastic

Cross Section -99.89 To 9999. %



Ratio
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻³
10⁻⁴
10⁻⁵

2
Incident Energy (eV) 51-Sb-126

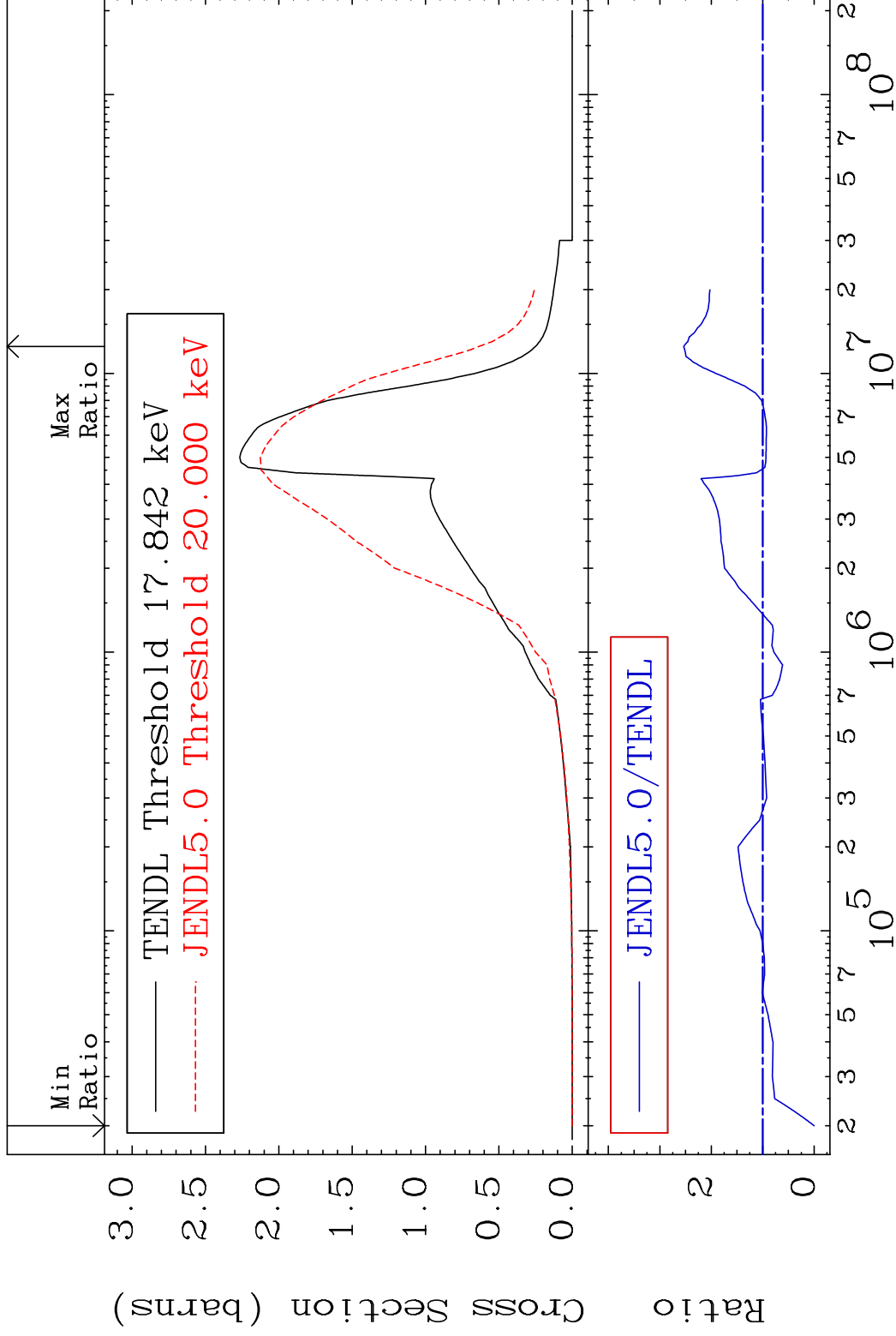
MAT 5140

Inelastic

51-Sb-126

Cross Section

-100.0 To 153.7 %



3

Incident Energy (eV)

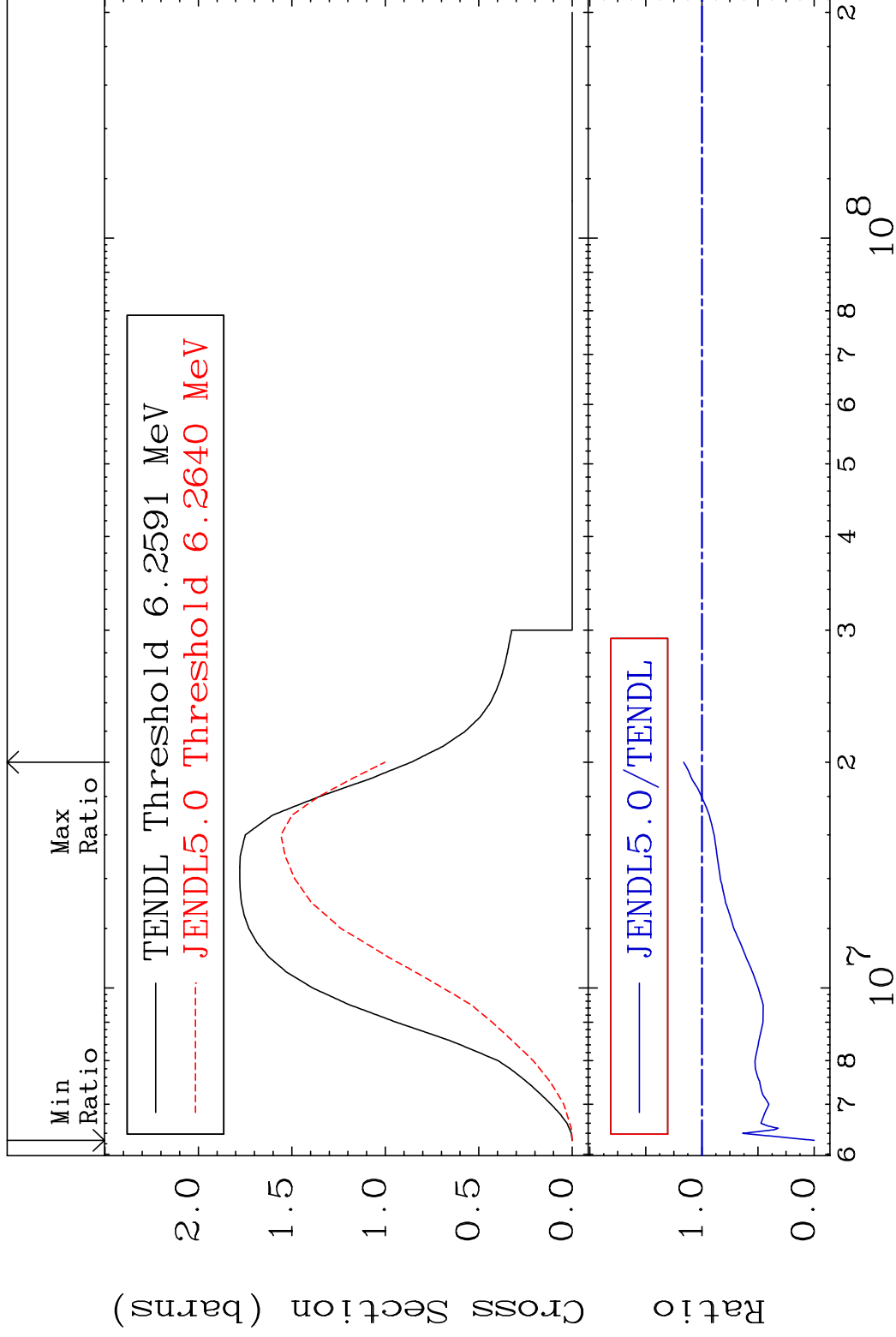
51-Sb-126

MAT 5140

(n,2n)

51-Sb-126

Cross Section -100.0 To 16.25 %



4

Incident Energy (eV)

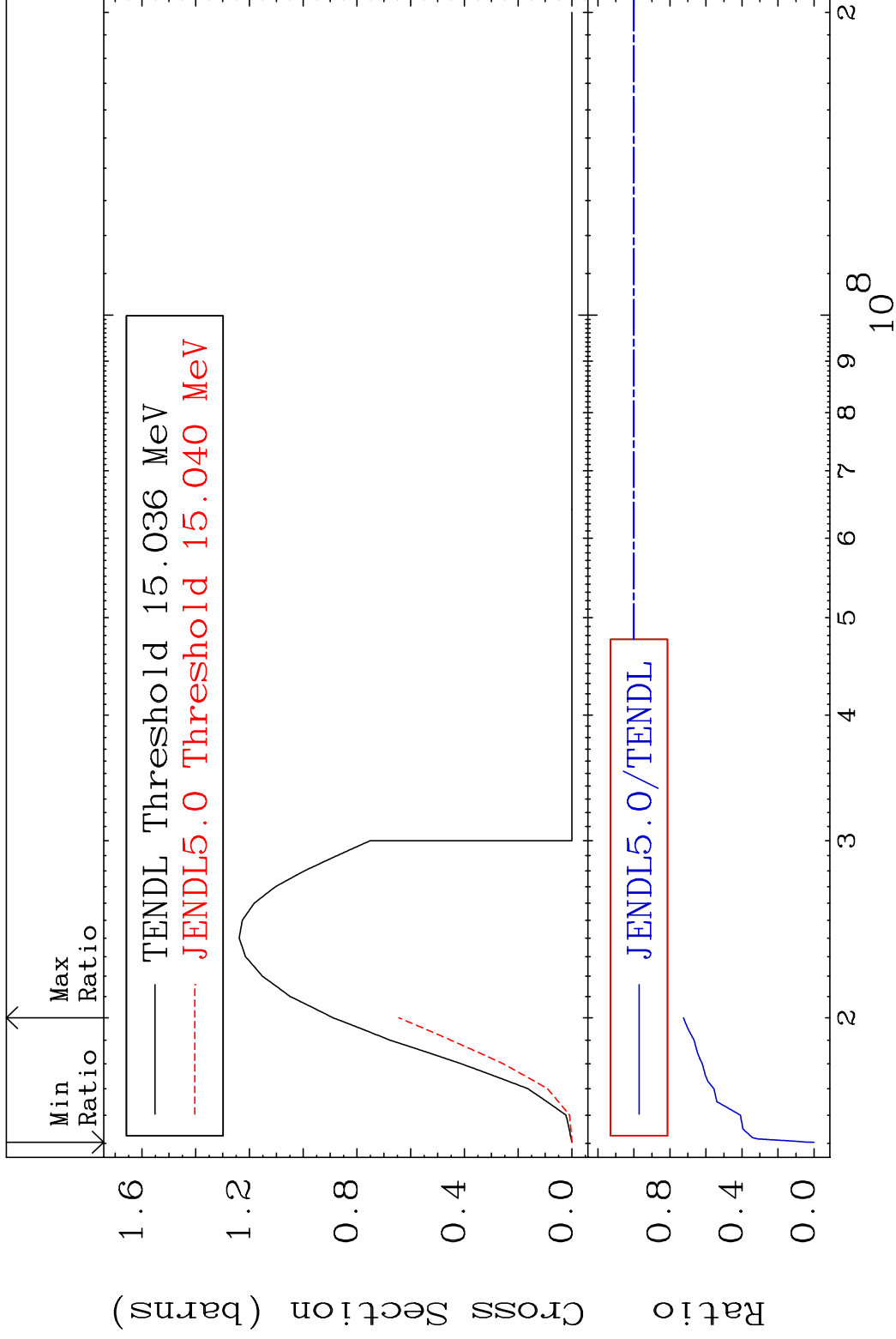
51-Sb-126

MAT 5140

(n,3n)

51-Sb-126

Cross Section -100.0 To -27.51%



5

Incident Energy (eV)

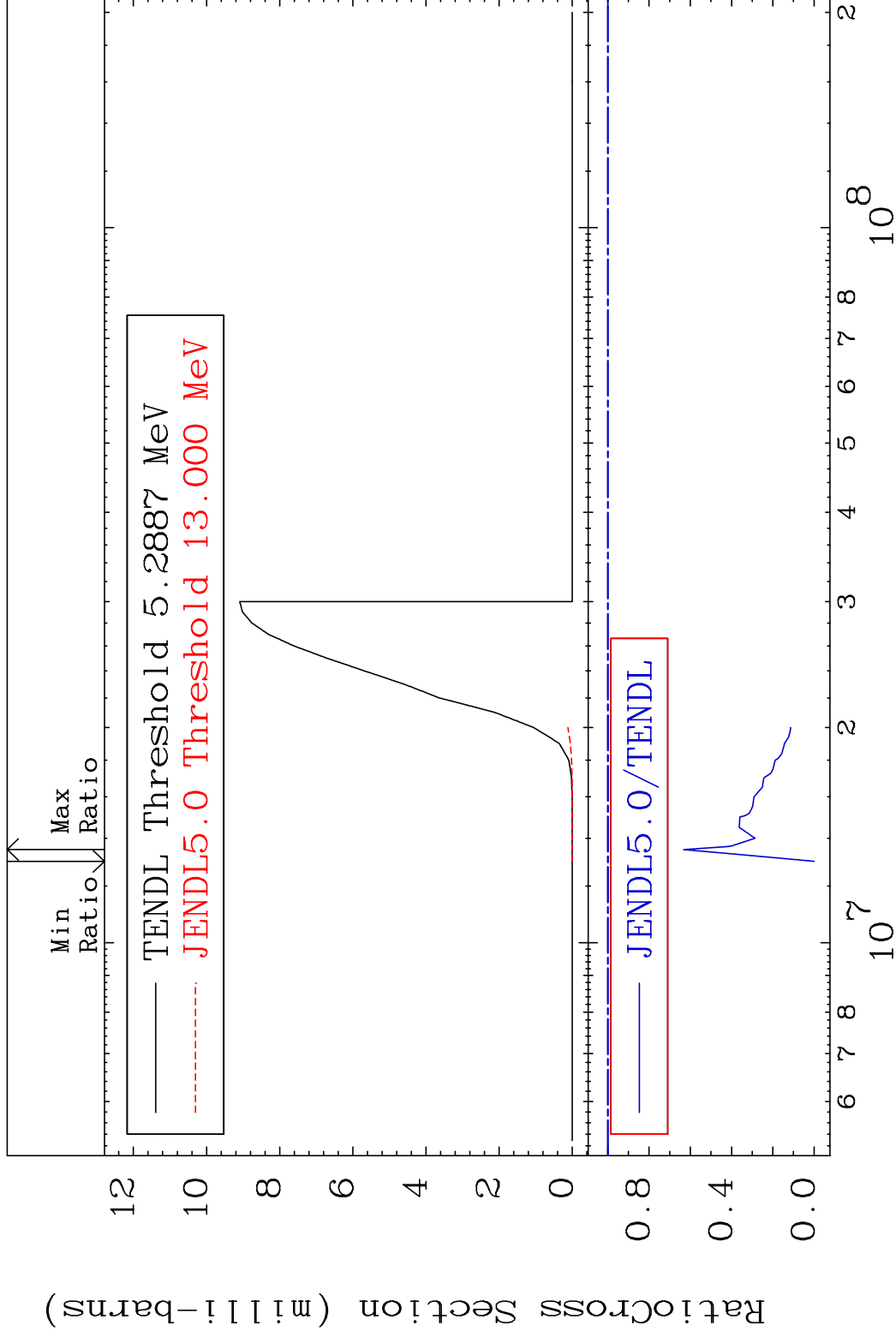
51-Sb-126

MAT 5140

(n, n') α

51-Sb-126

Cross Section -100.0 To -36.77%



6

Incident Energy (eV)

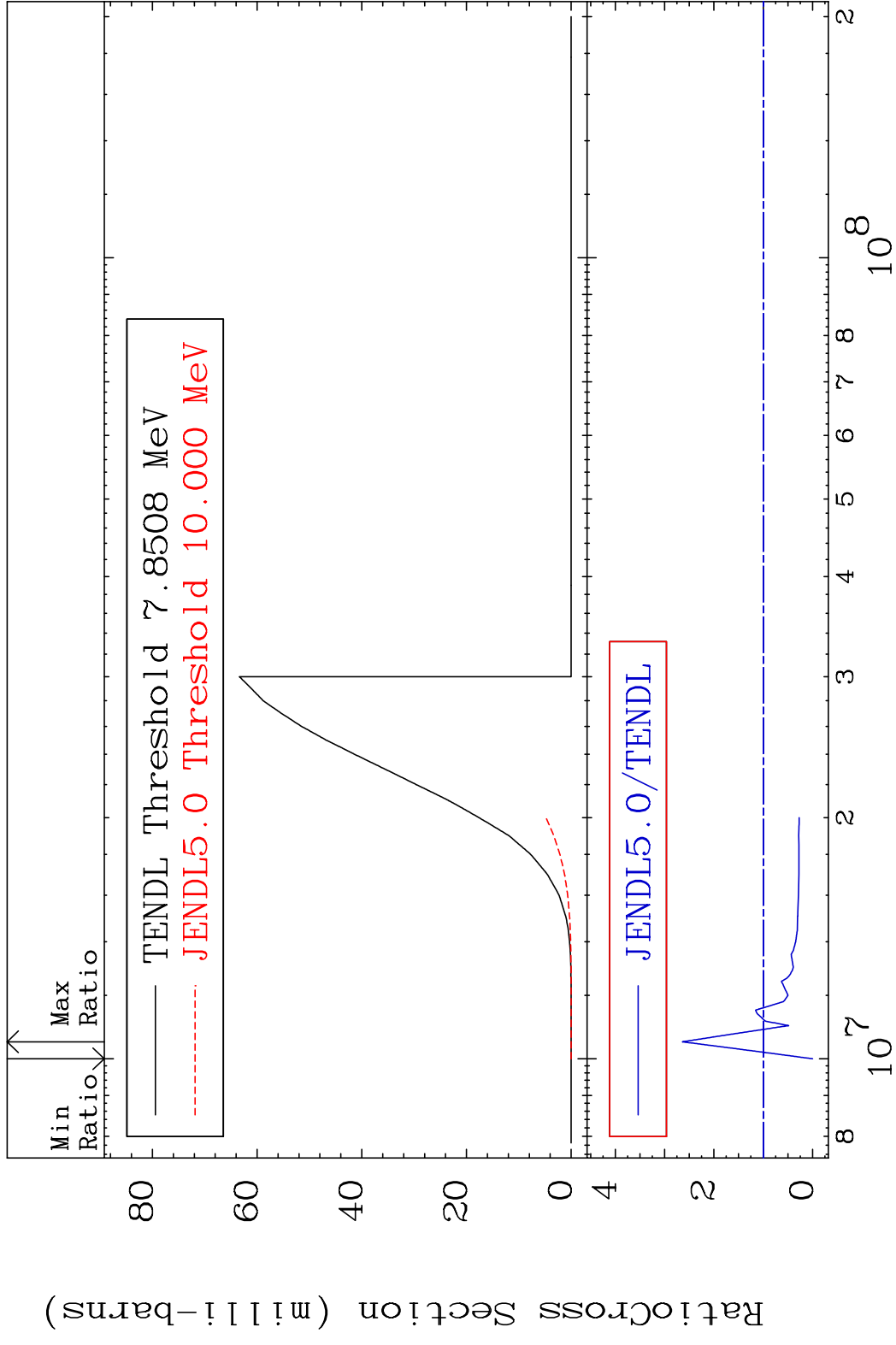
51-Sb-126

MAT 5140

(n, n') p

51-Sb-126

Cross Section -100.0 To 164.0 %



7

Incident Energy (eV)

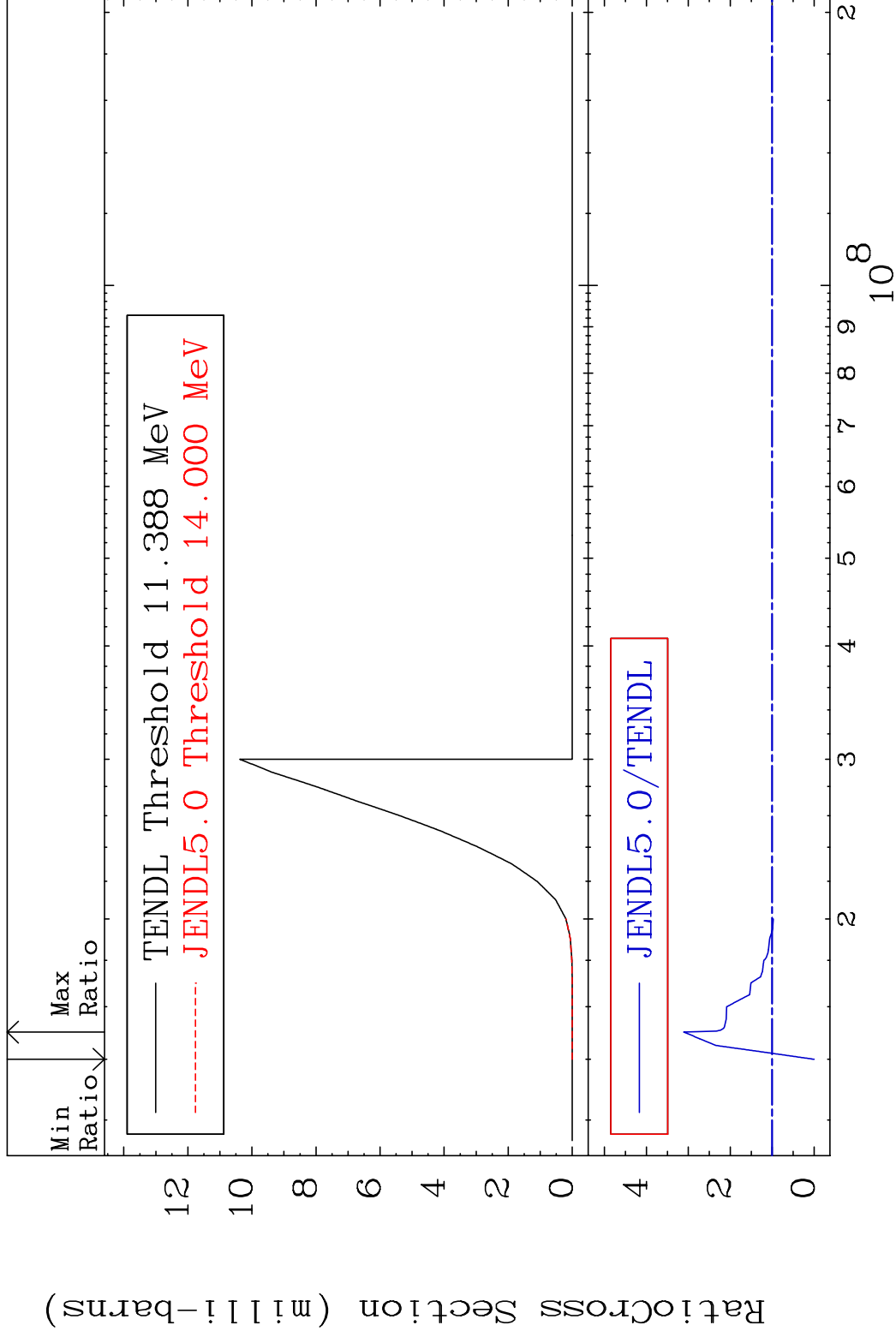
51-Sb-126

MAT 5140

(n, n') d

51-Sb-126

Cross Section -100.0 To 211.2 %

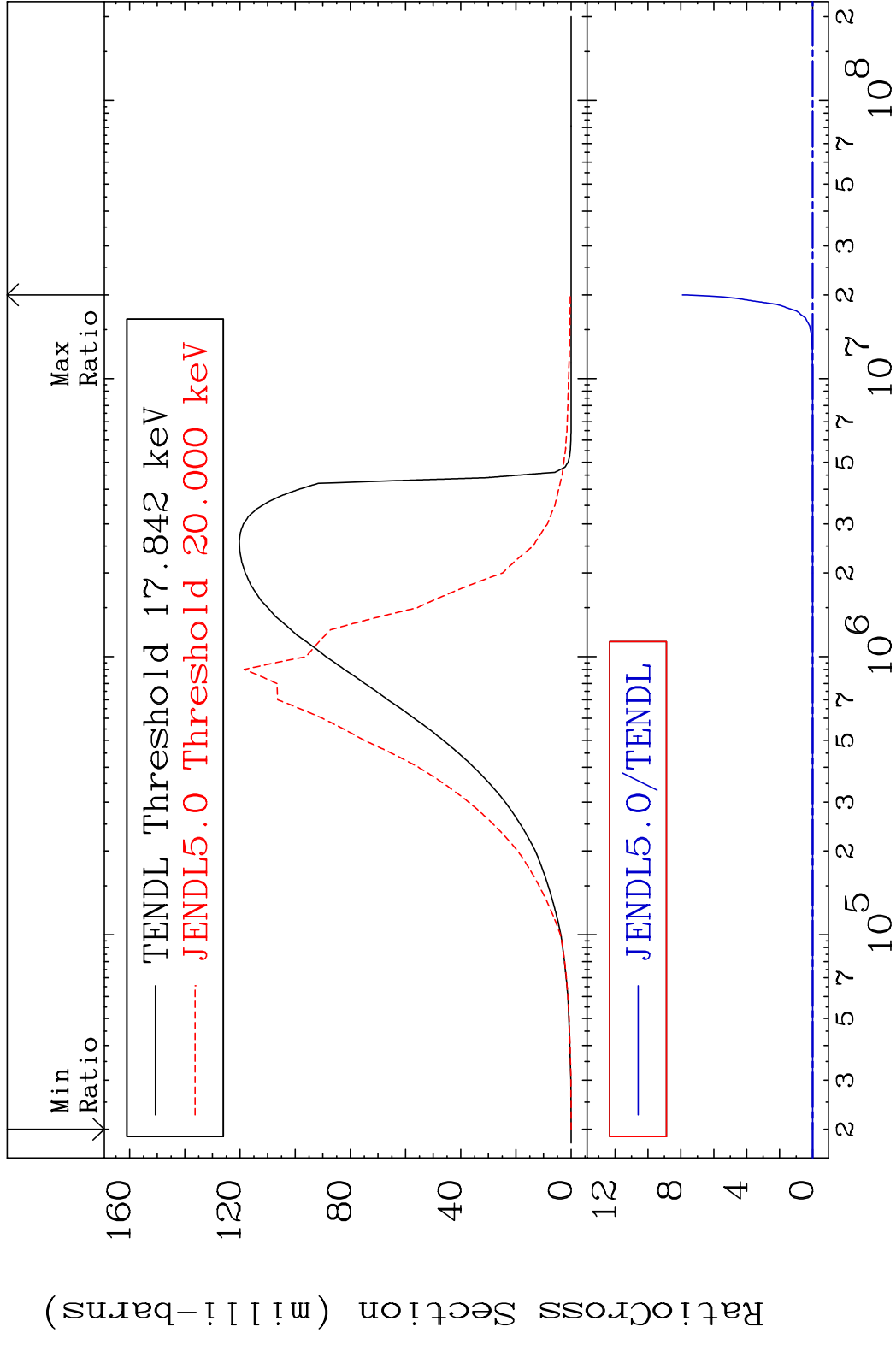


8

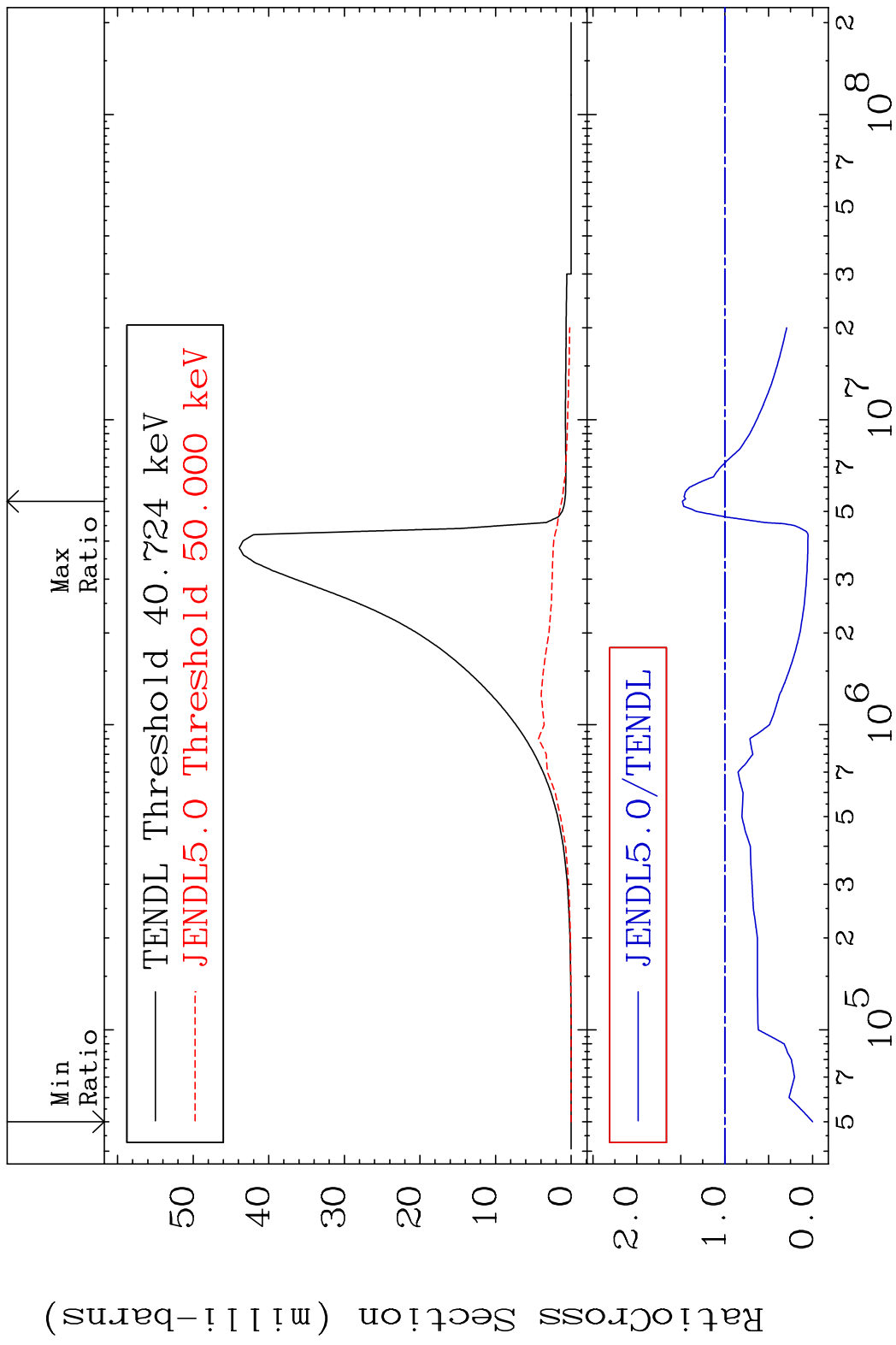
Incident Energy (eV)

51-Sb-126

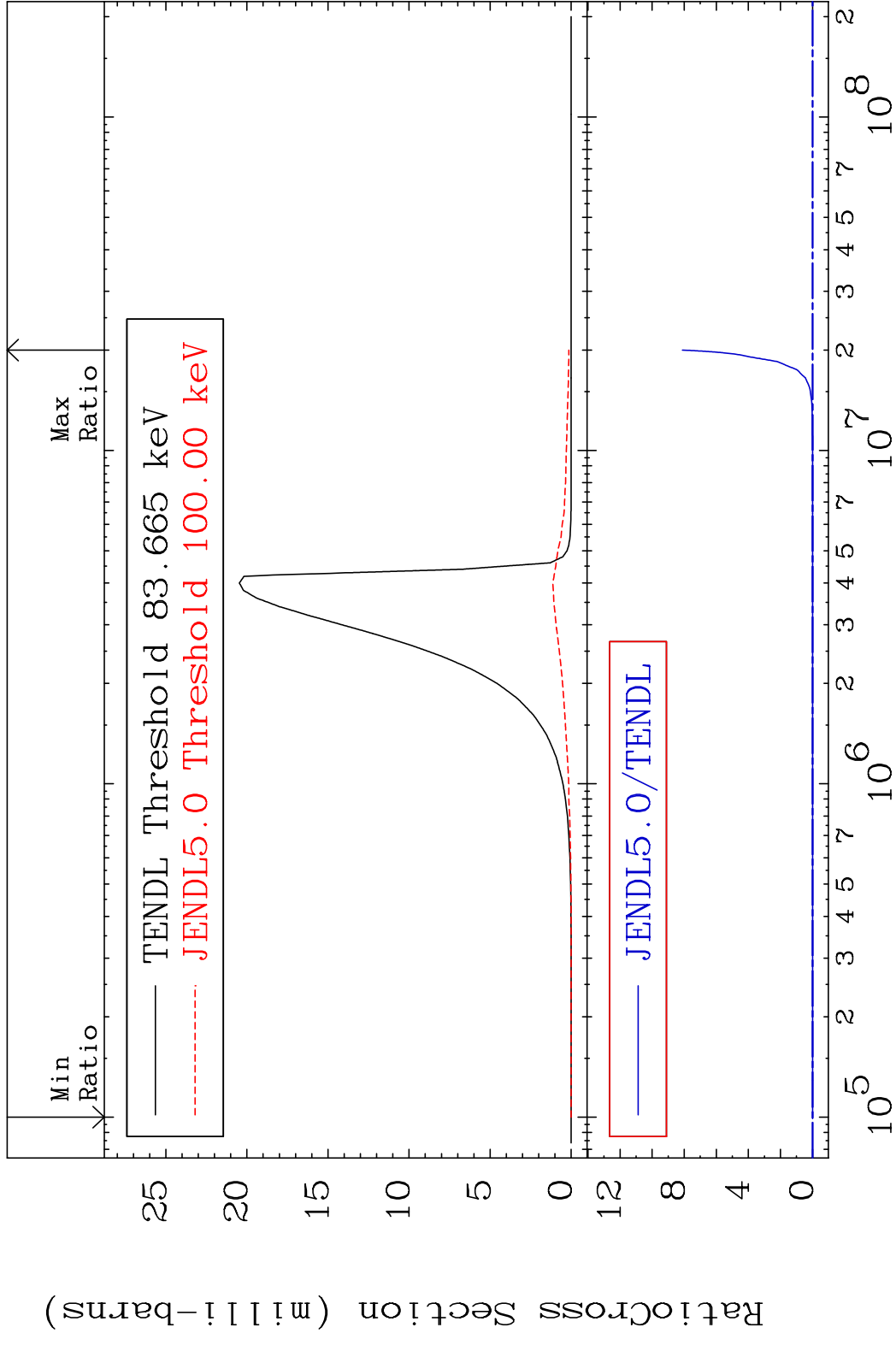
MAT 5140 MT= 51 (n,n') Level 51-Sb-126
 Cross Section -100.0 To 9999. %



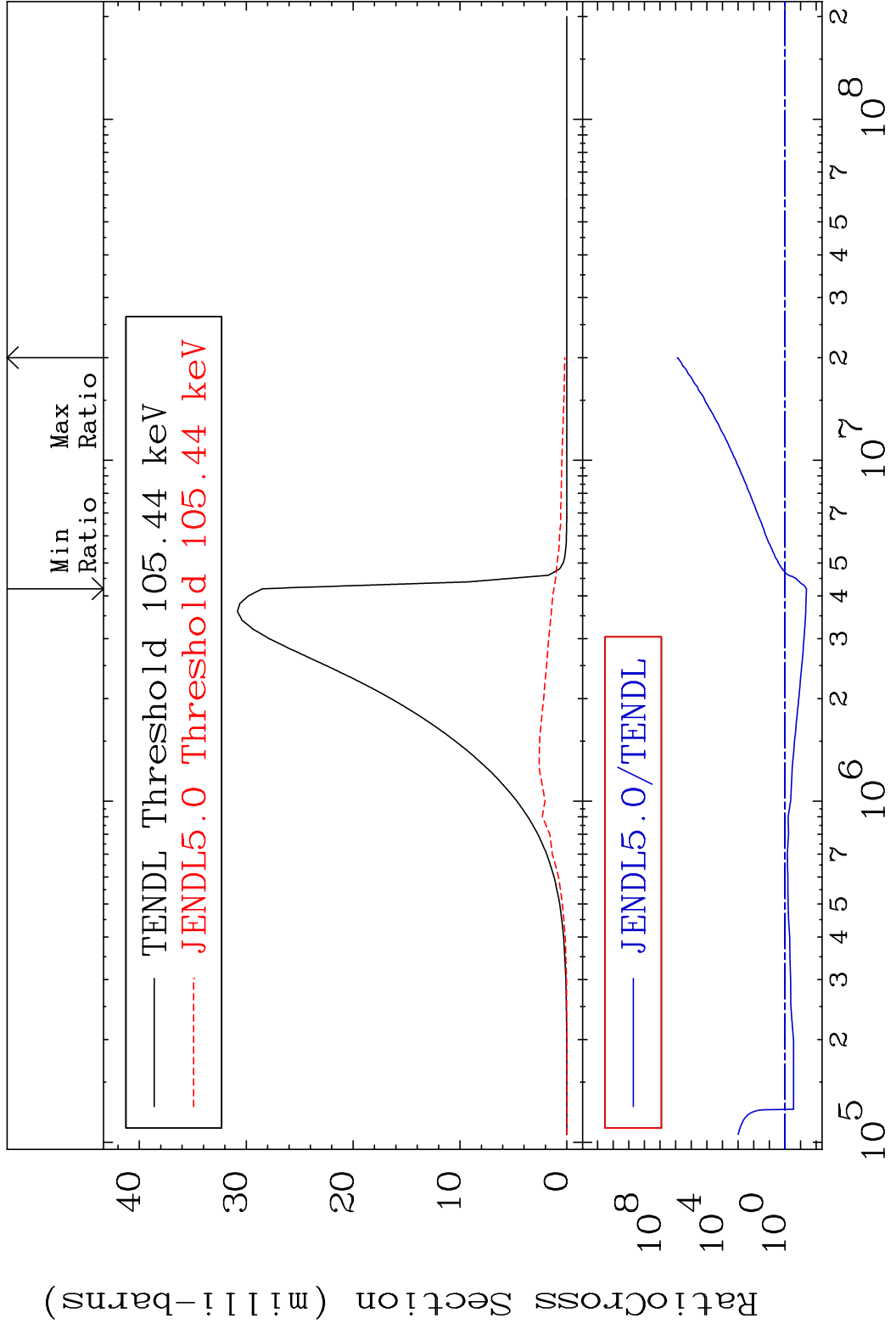
MAT 5140 MT= 52 (n, n') Level 51-Sb-126
 Cross Section -100.0 To 48.22 %



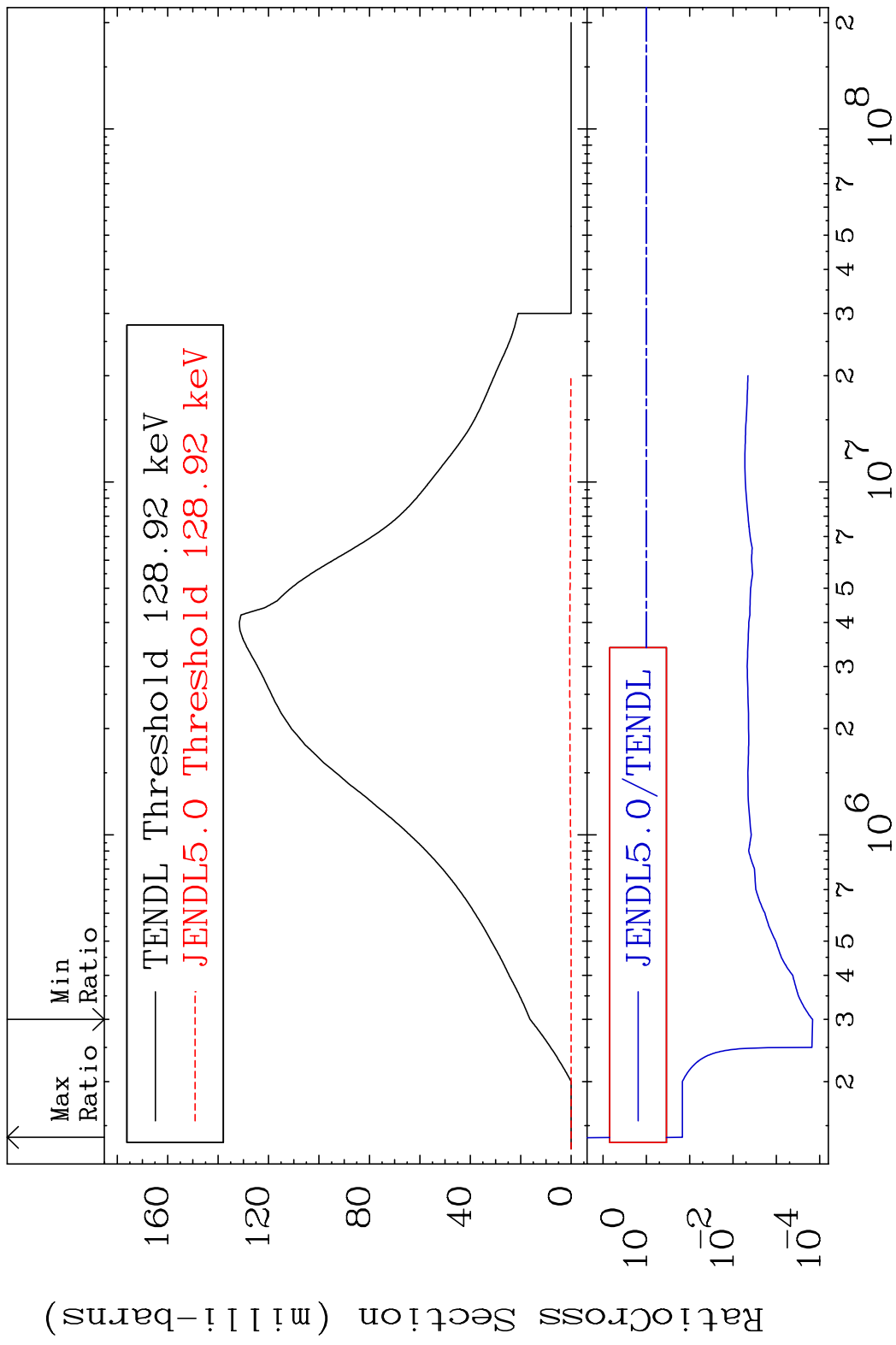
MAT 5140 MT= 53 (n, n') Level 51-Sb-126
 Cross Section -100.0 To 9999. %



MAT 5140 MT= 54 (n, n') Level 51-Sb-126
 Cross Section -95.74 To 9999. %



MAT 5140 MT= 55 (n, n') Level 51-Sb-126
 Cross Section -99.99 To -85.22%

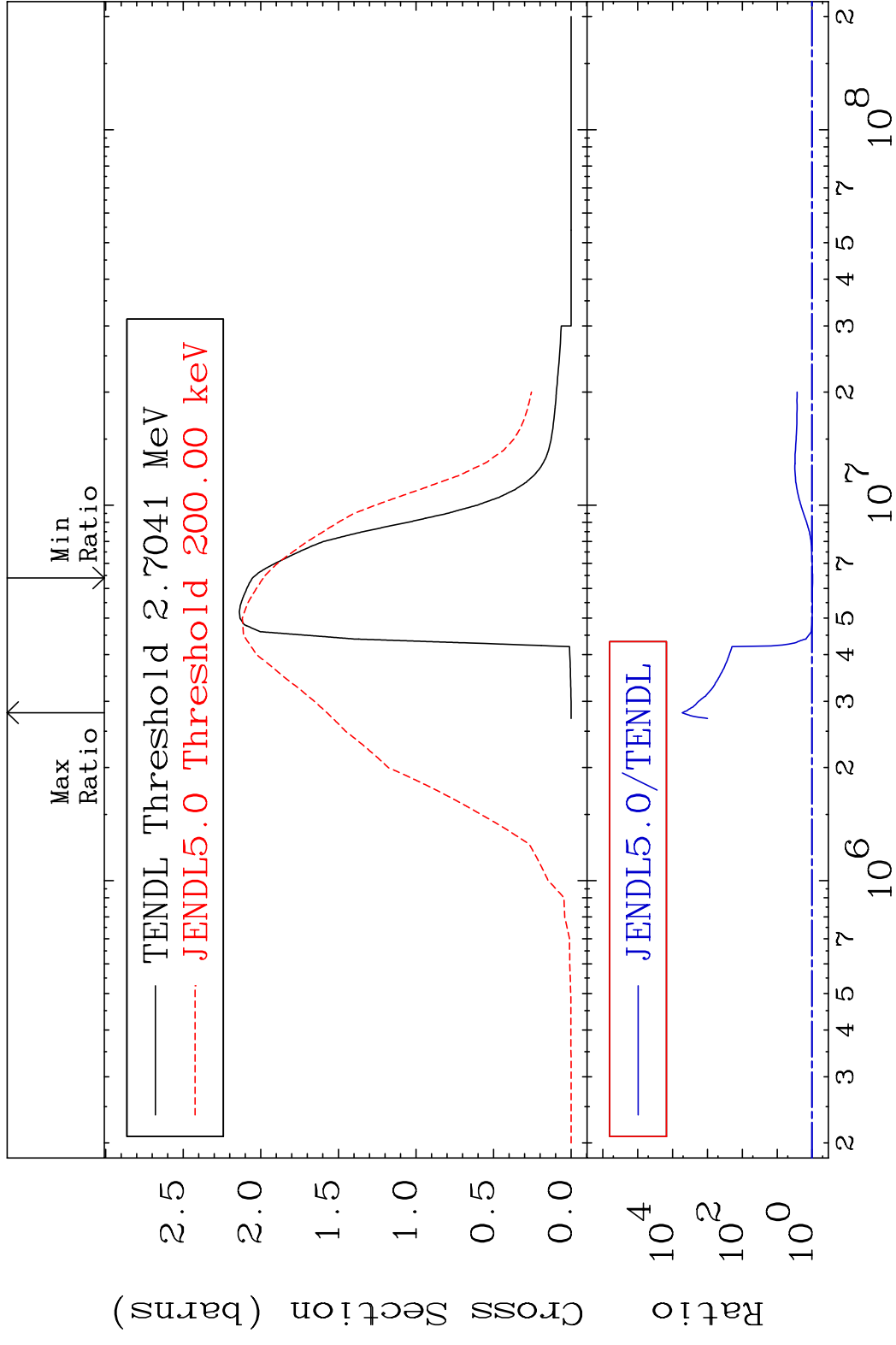


MAT 5140

(n, n') Continuum

51-Sb-126

Cross Section -3.420 To 9999. %

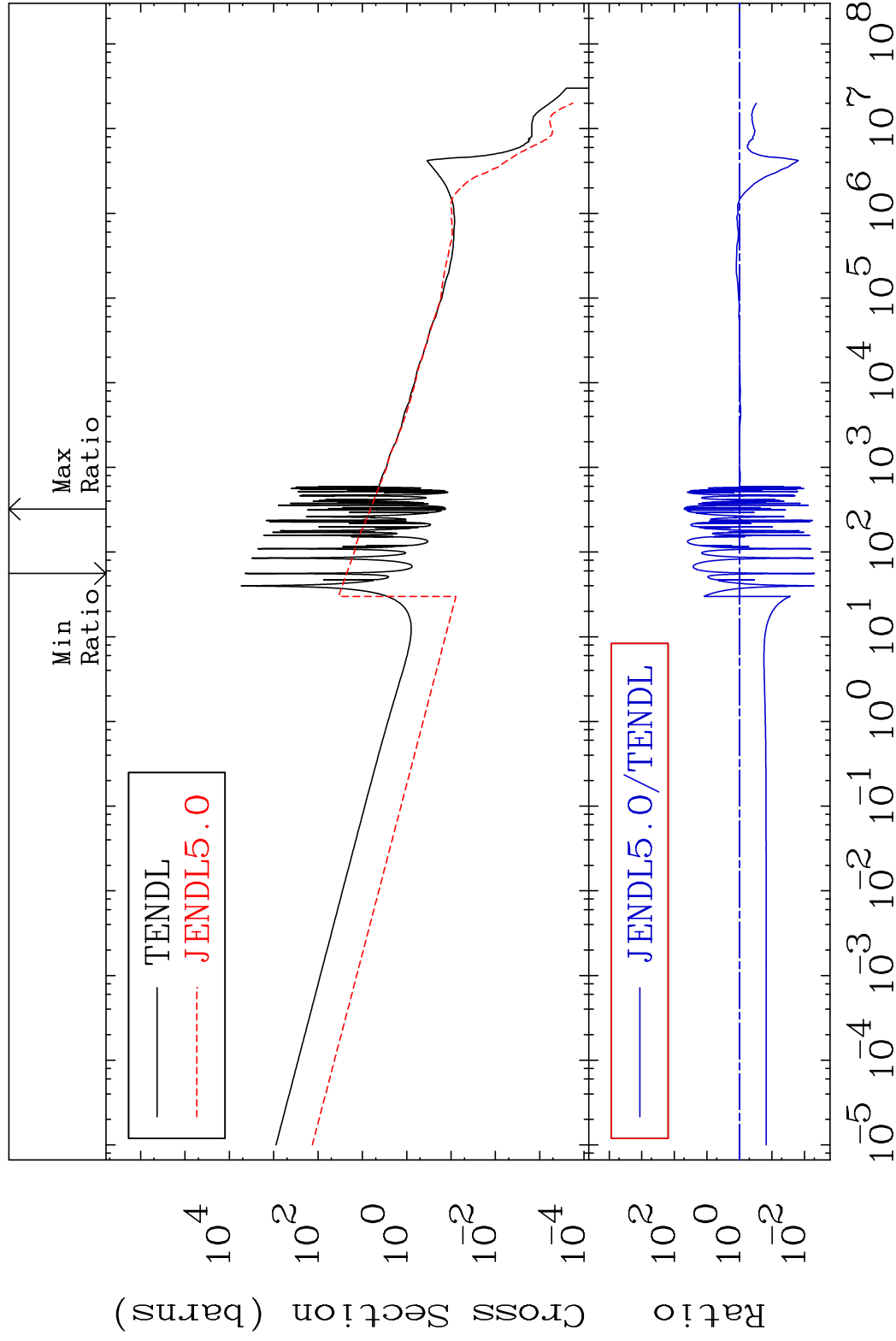


MAT 5140

(n, γ)

51-Sb-126

Cross Section -99.50 To 4923. %



15

Incident Energy (eV)

51-Sb-126

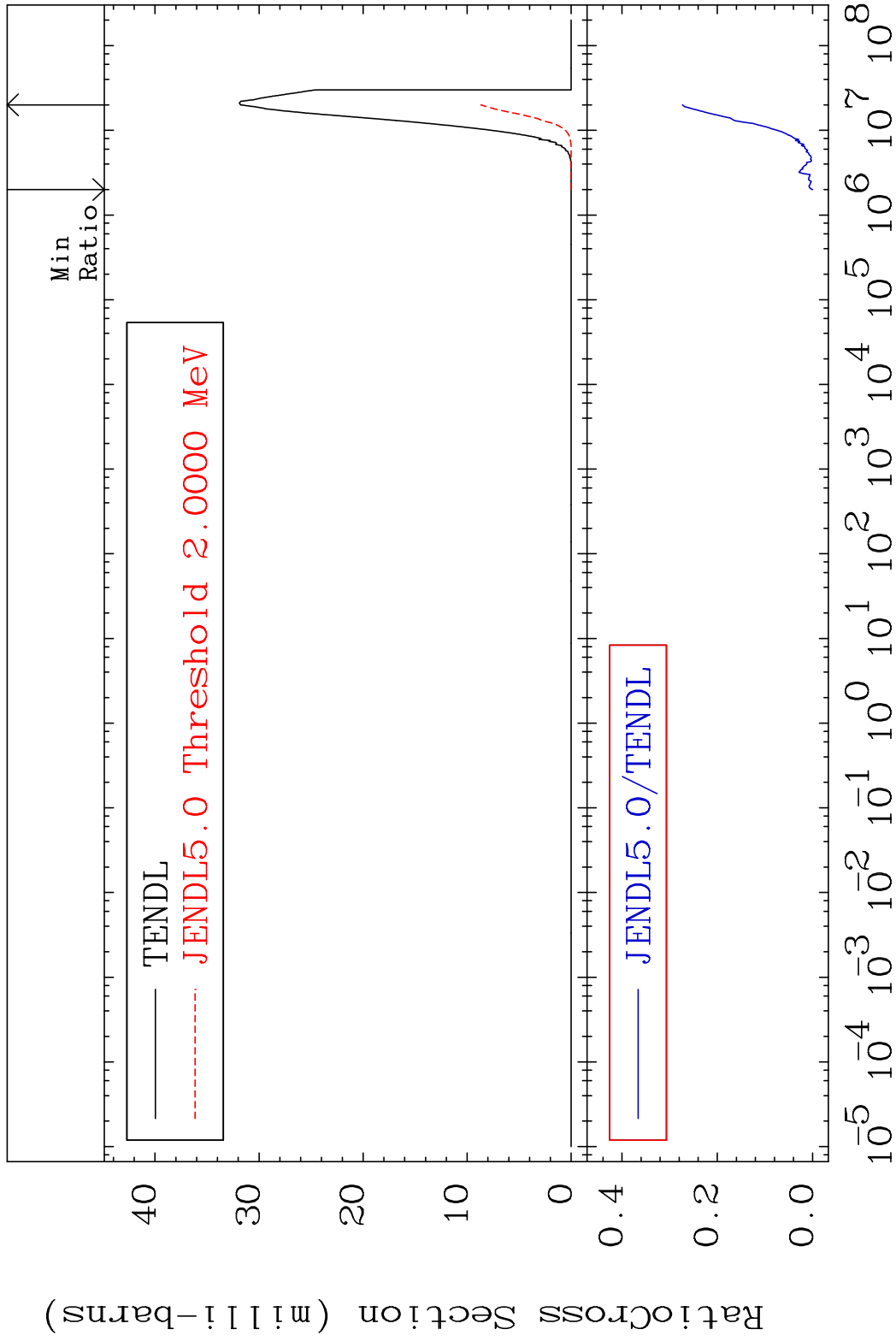
MAT 5140

(n, p)

51-Sb-126

Cross Section

-100.0 To -72.67%



16

Incident Energy (eV)

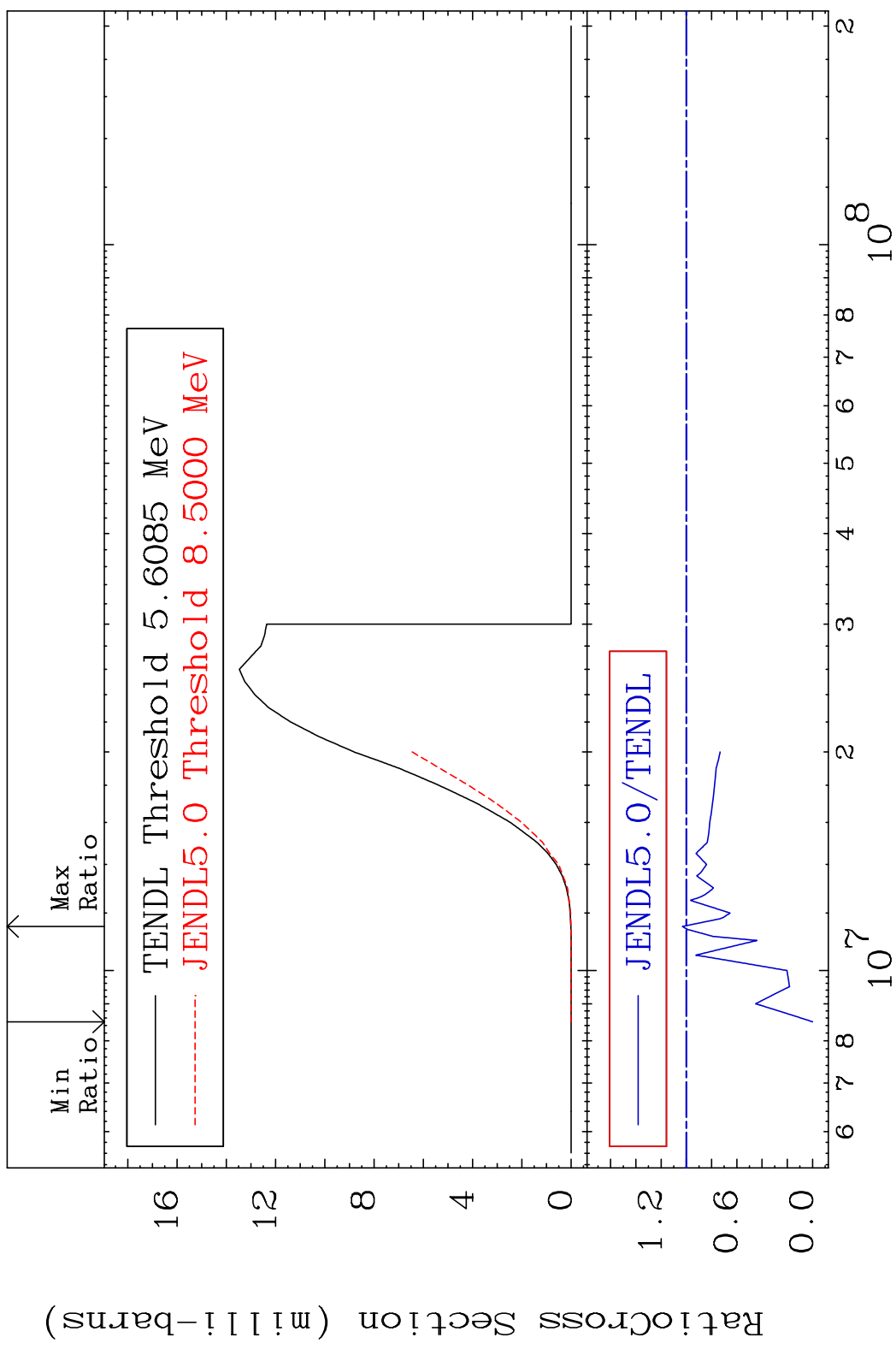
51-Sb-126

MAT 5140

(n,d)

51-Sb-126

Cross Section -100.0 To 3.160 %



17

Incident Energy (eV)

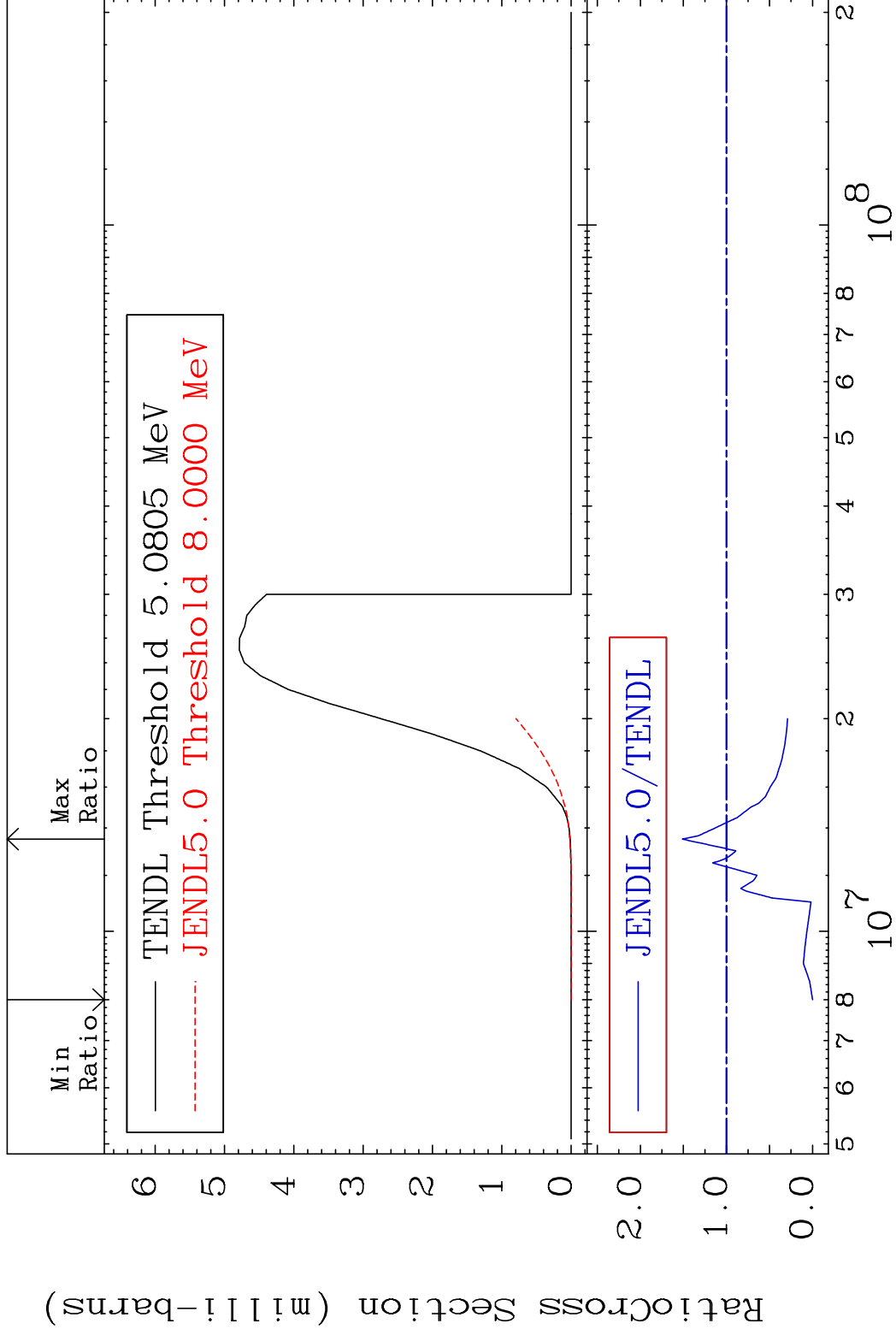
51-Sb-126

MAT 5140

(n, t)

51-Sb-126

Cross Section -100.0 To 51.19 %



18

Incident Energy (eV)

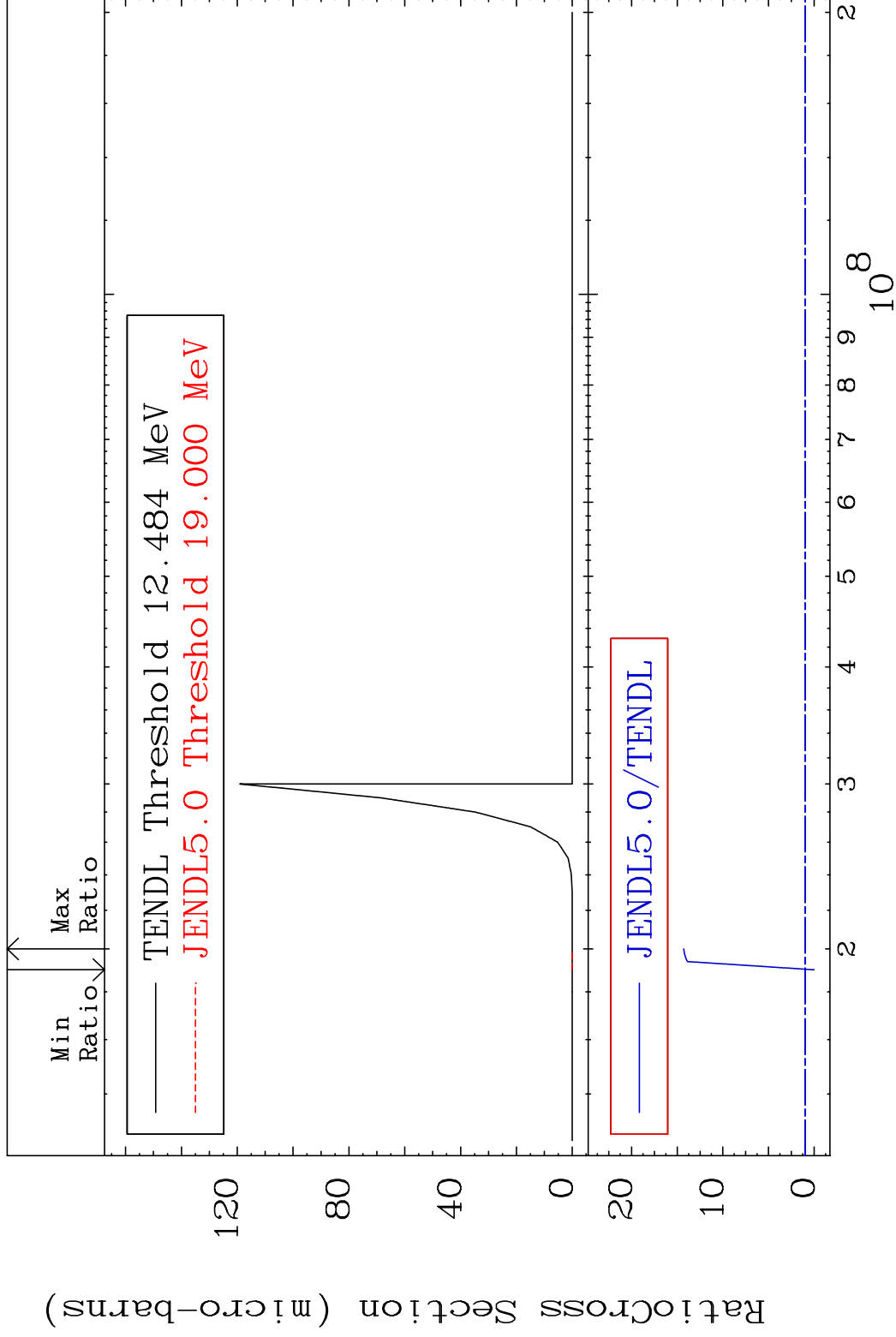
51-Sb-126

MAT 5140

(n, He-3)

51-Sb-126

Cross Section -100.0 To 1330. %



19

Incident Energy (eV)

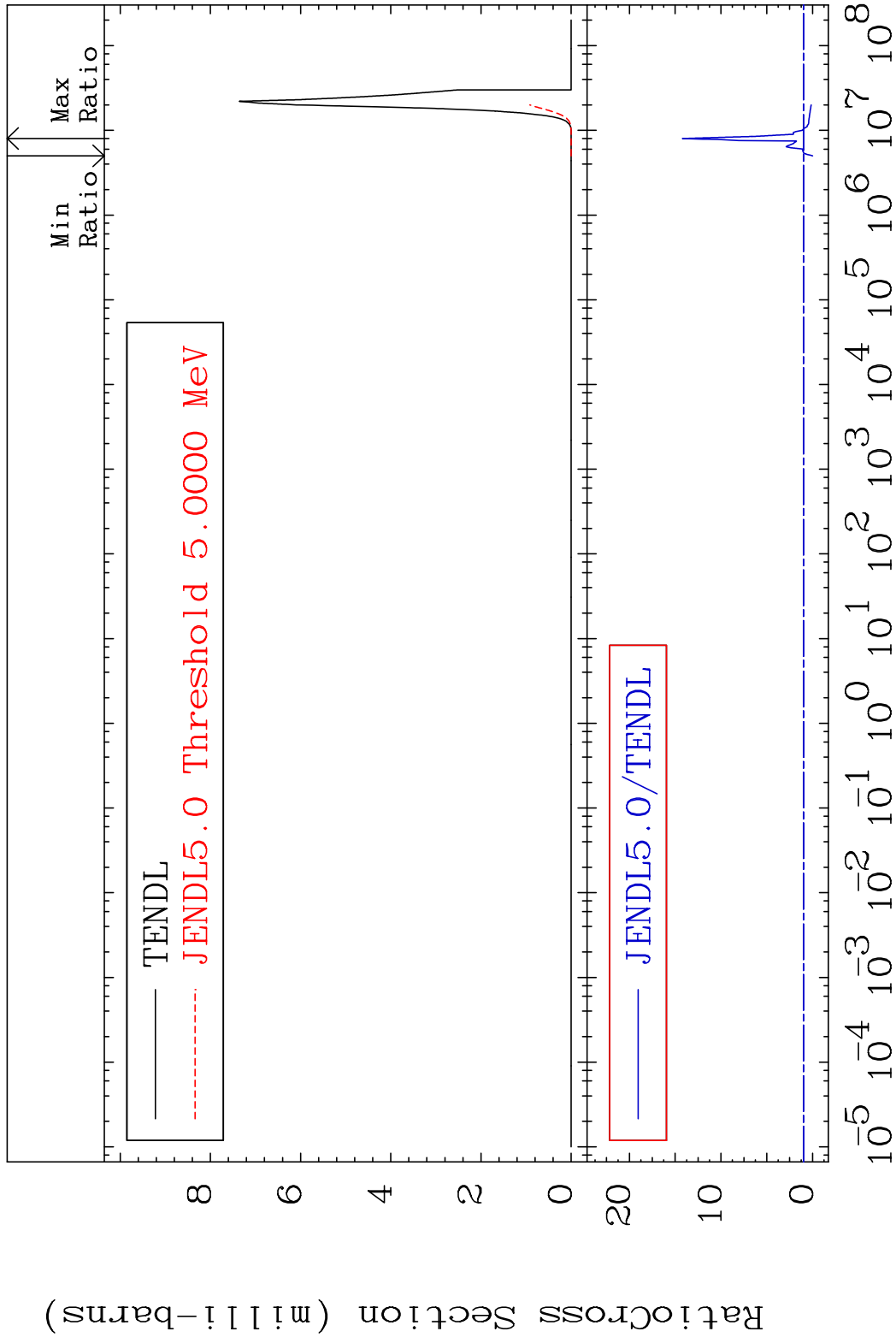
51-Sb-126

MAT 5140

(n, α)

51-Sb-126

Cross Section -100.0 To 1322. %



20

Incident Energy (eV)

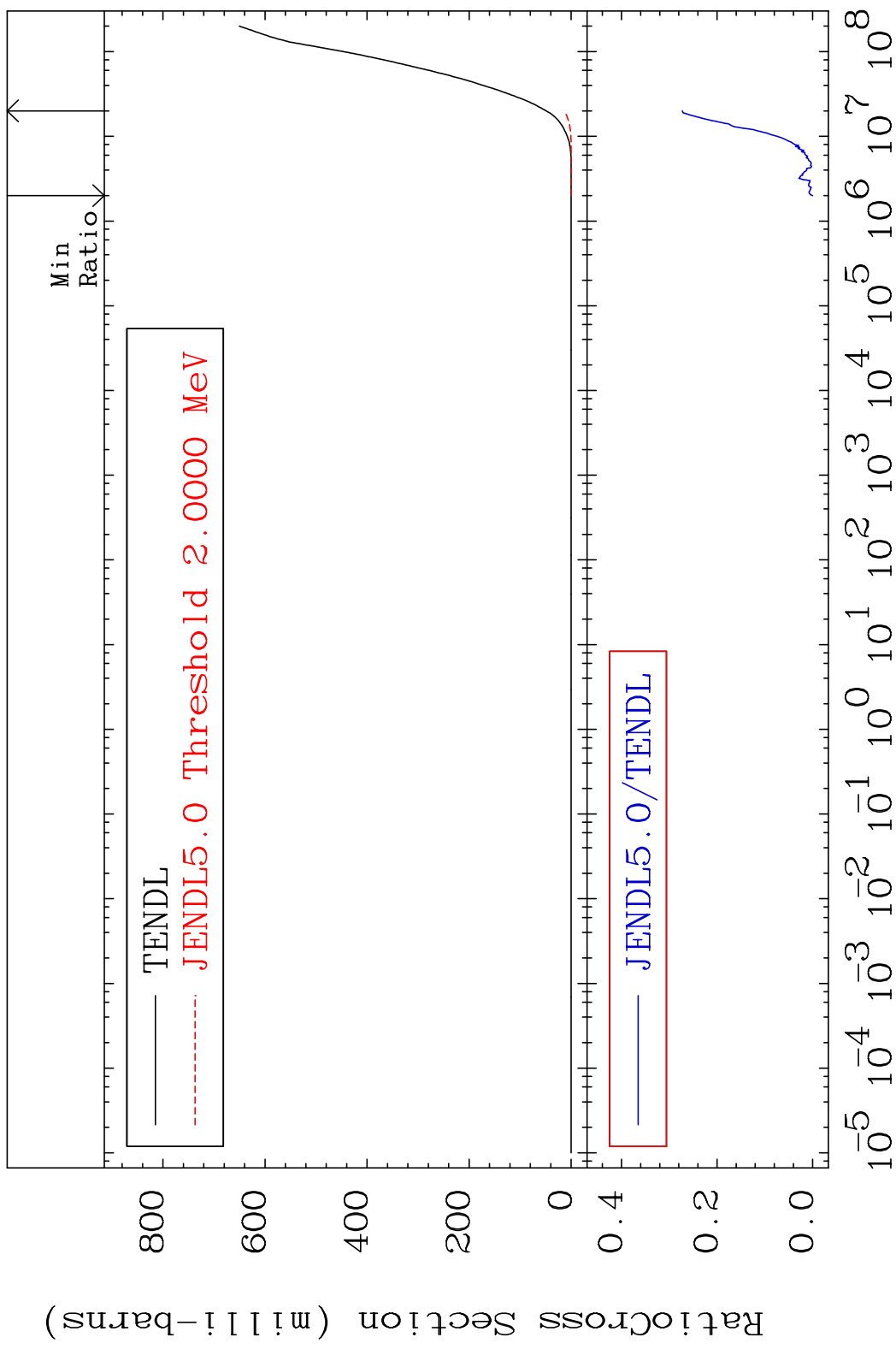
51-Sb-126

MAT 5140

Hydrogen Production

51-Sb-126

Cross Section -100.0 To -72.74%

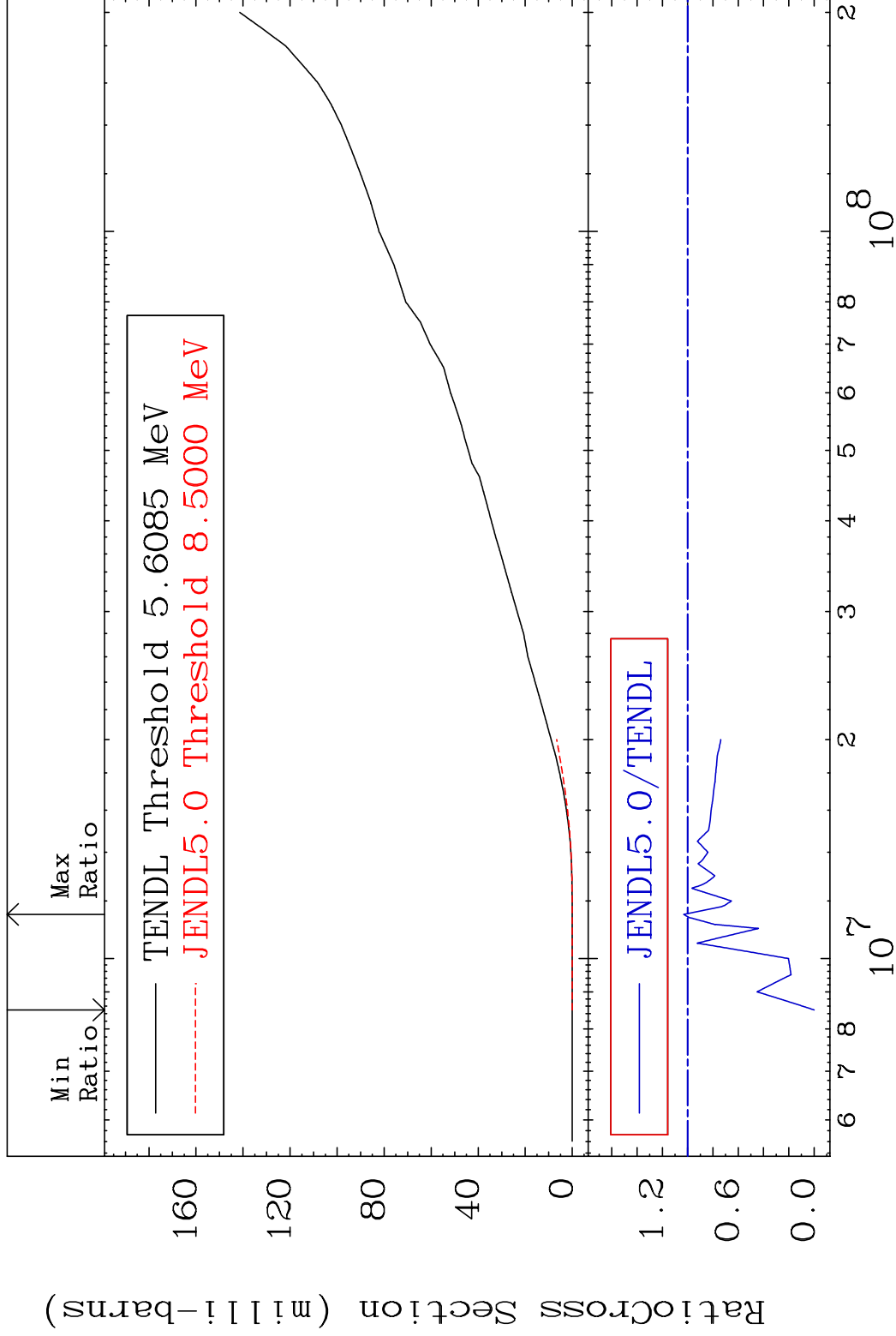


21

Incident Energy (eV)

51-Sb-126

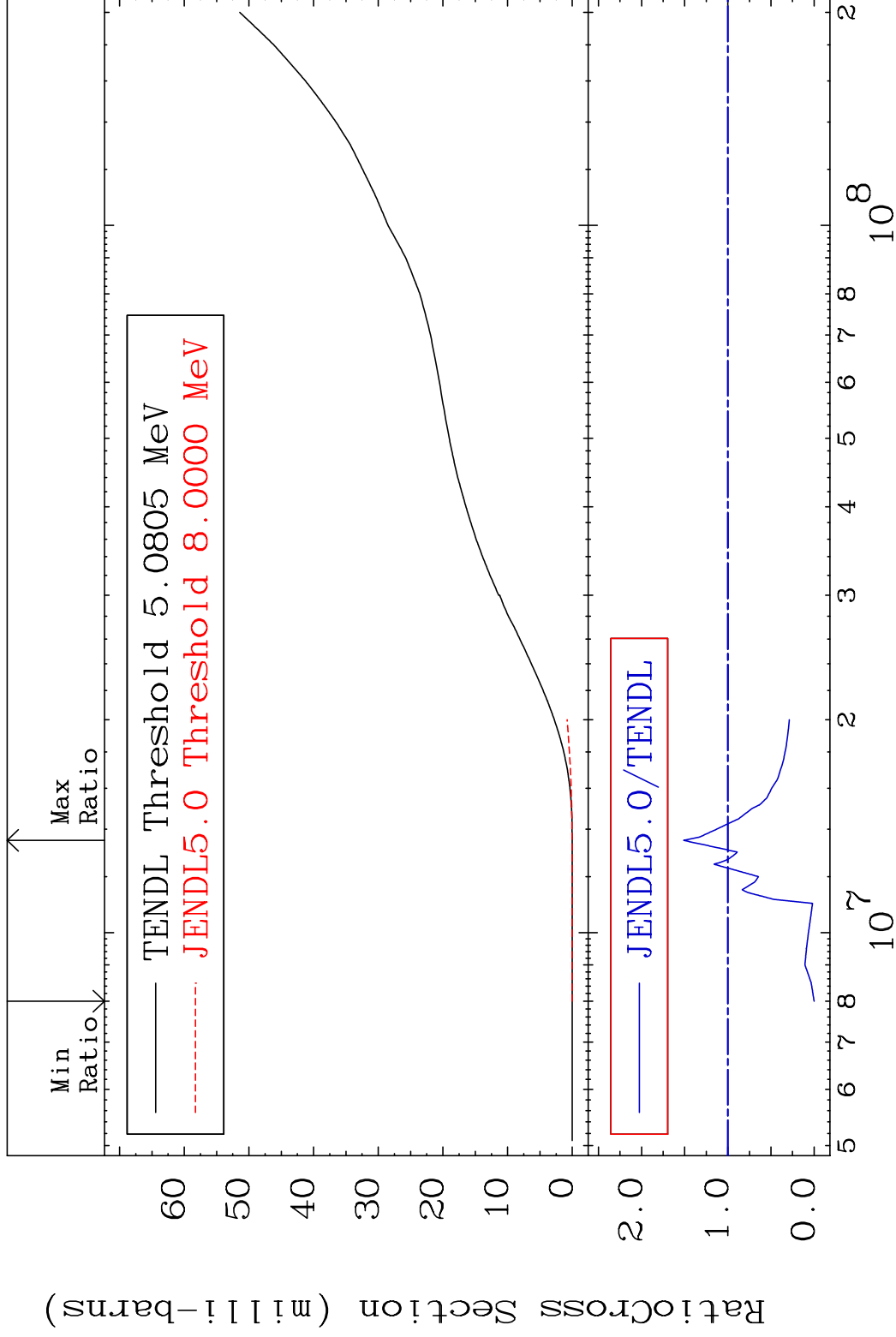
Cross Section -100.0 To 3.160 %



MAT 5140

Tritium Production 51-Sb-126

Cross Section -100.0 To 51.19 %

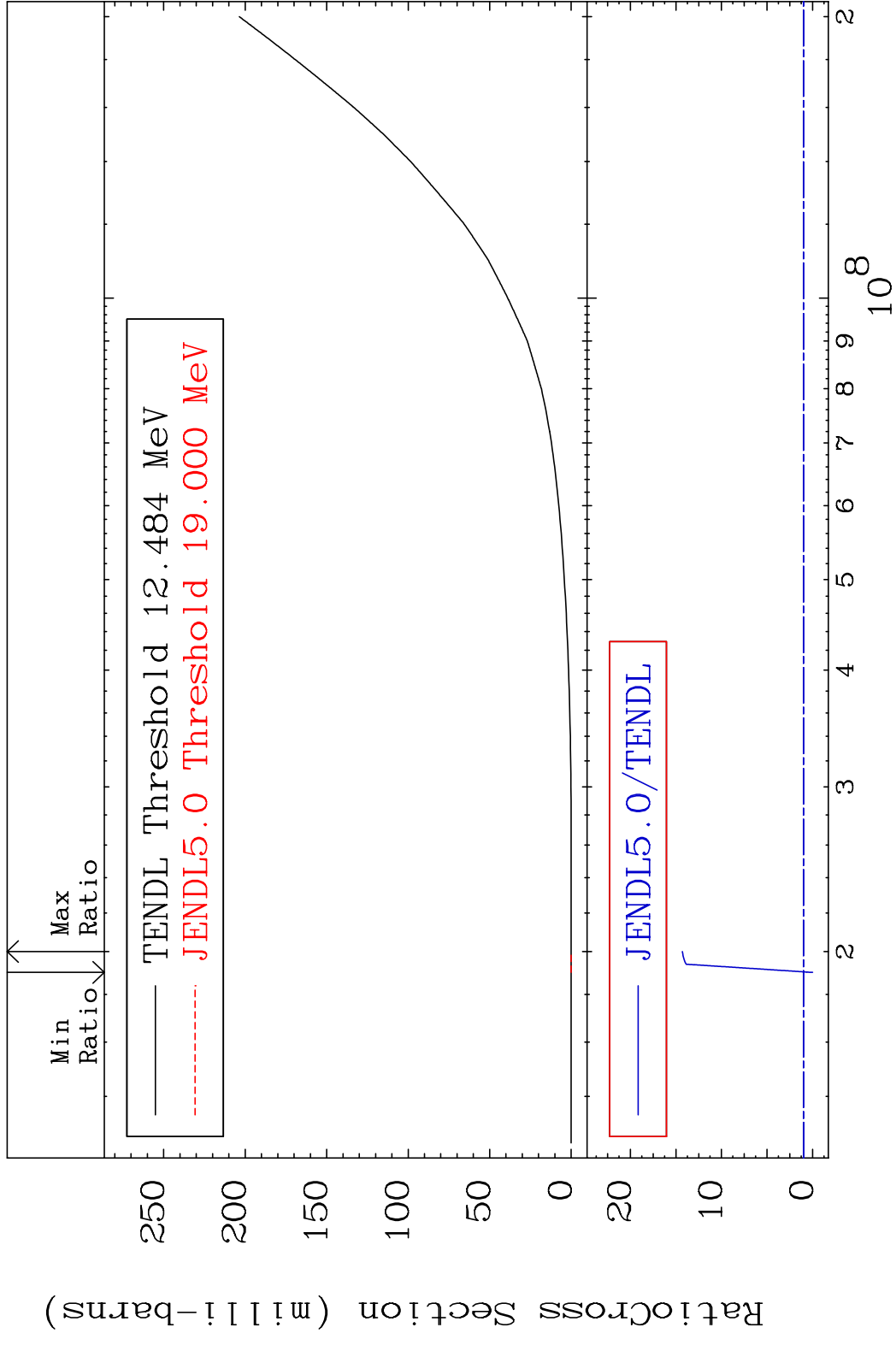


23

Incident Energy (eV)

51-Sb-126

Cross Section -100.0 To 1330. %

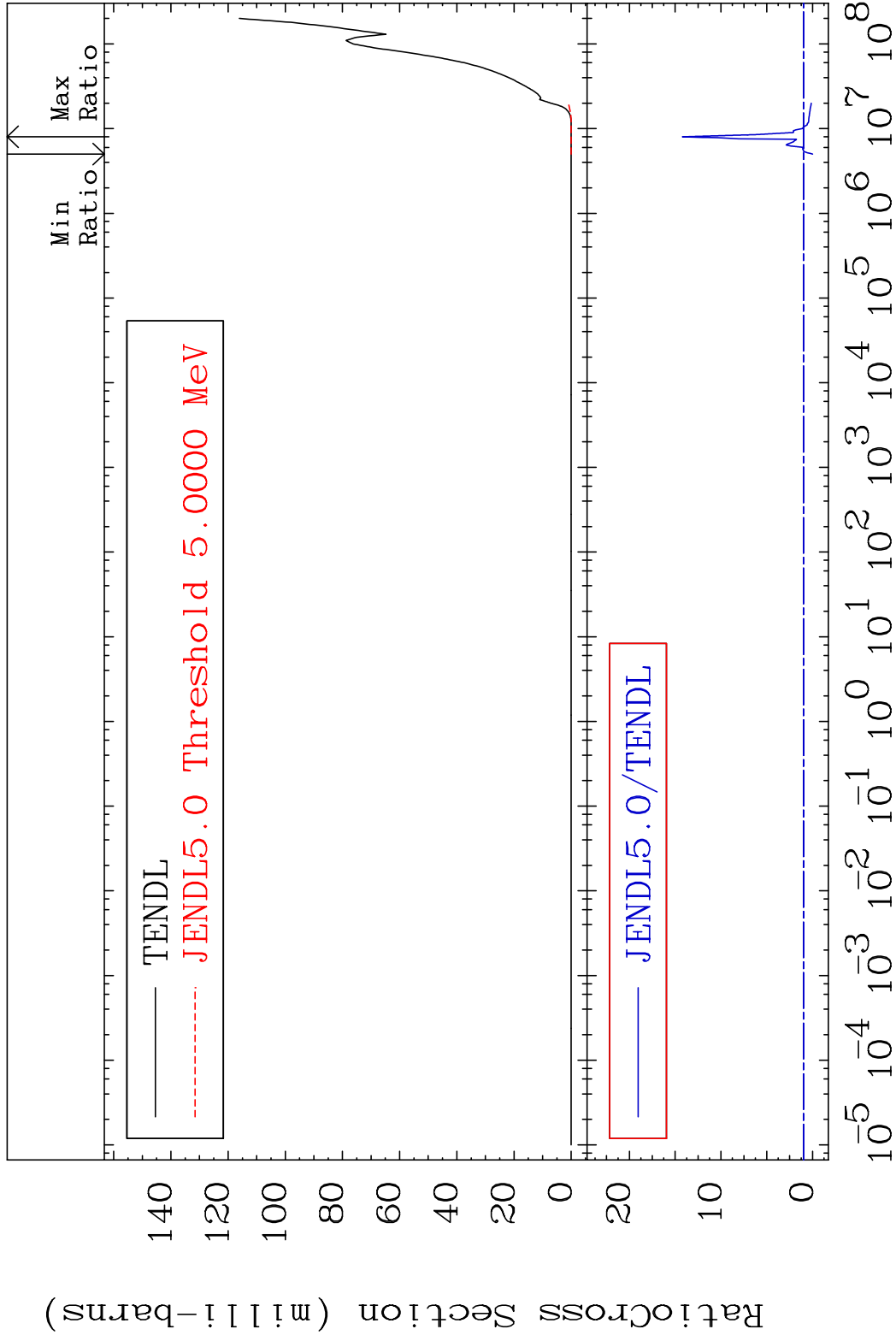


MAT 5140

He-4 Production

51-Sb-126

Cross Section -100.0 To 1322. %

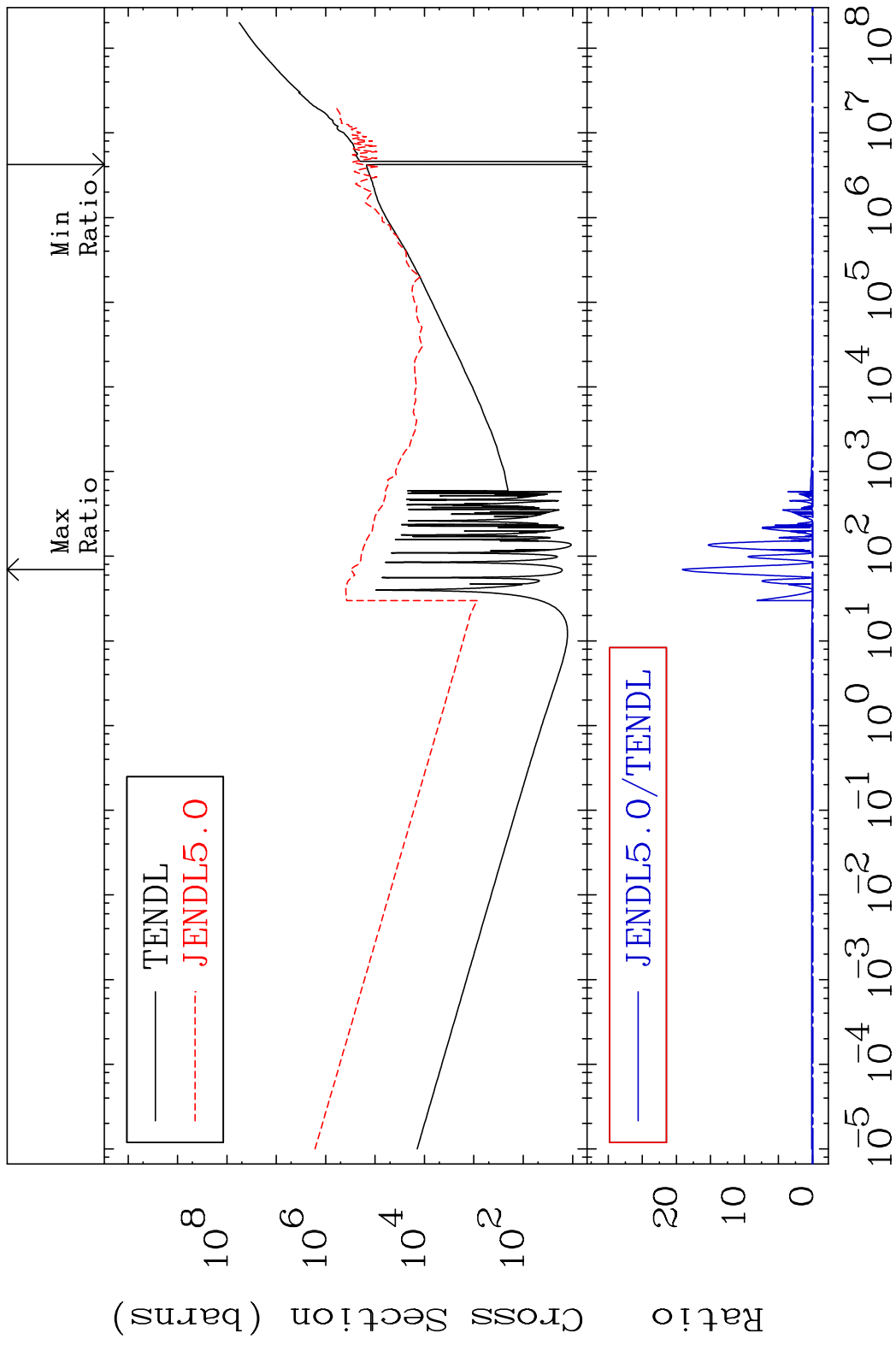


25

Incident Energy (eV)

51-Sb-126

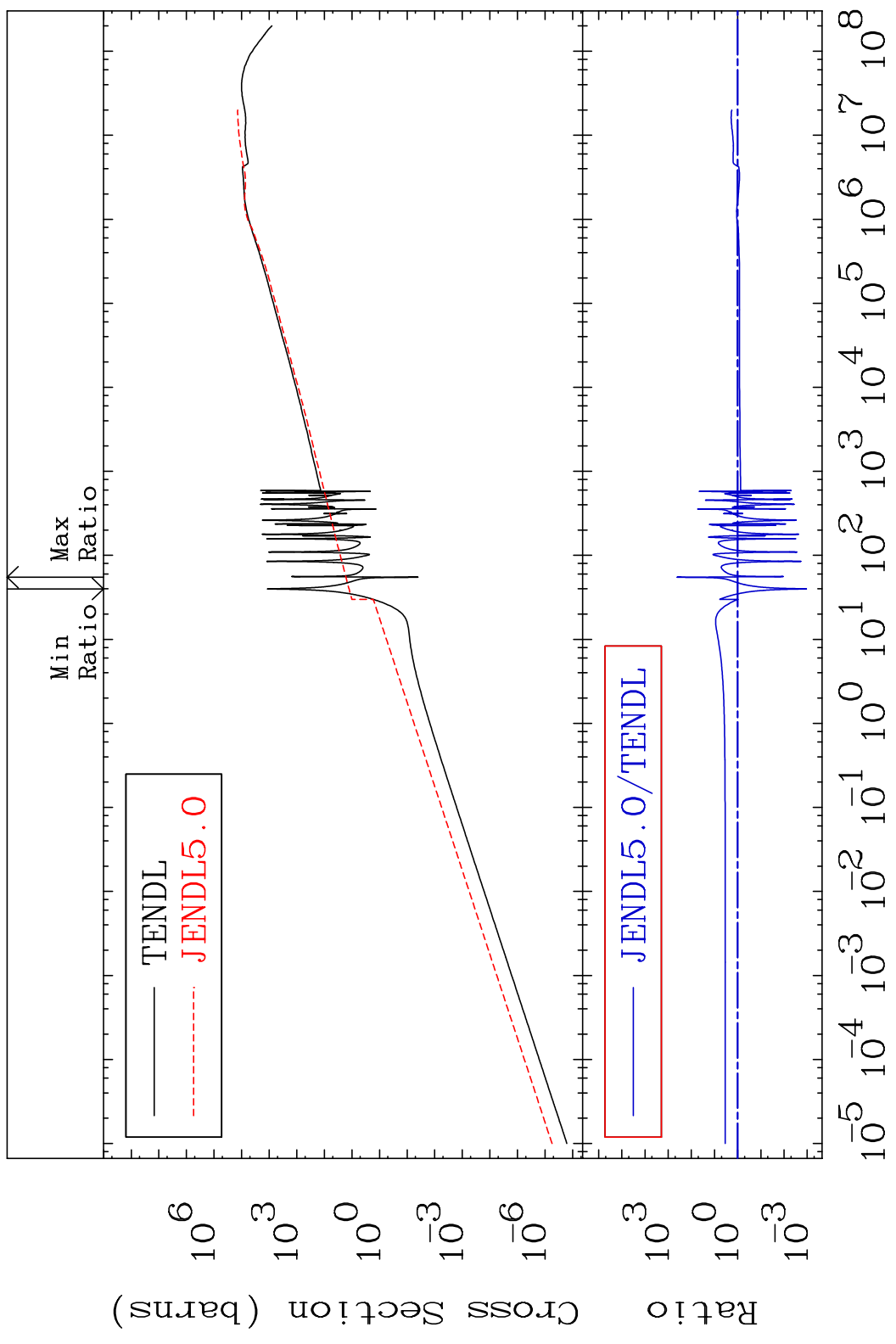
MAT 5140 Kerma total (eV-barns) 51-Sb-126
 Cross Section -274.7 To 9999. %



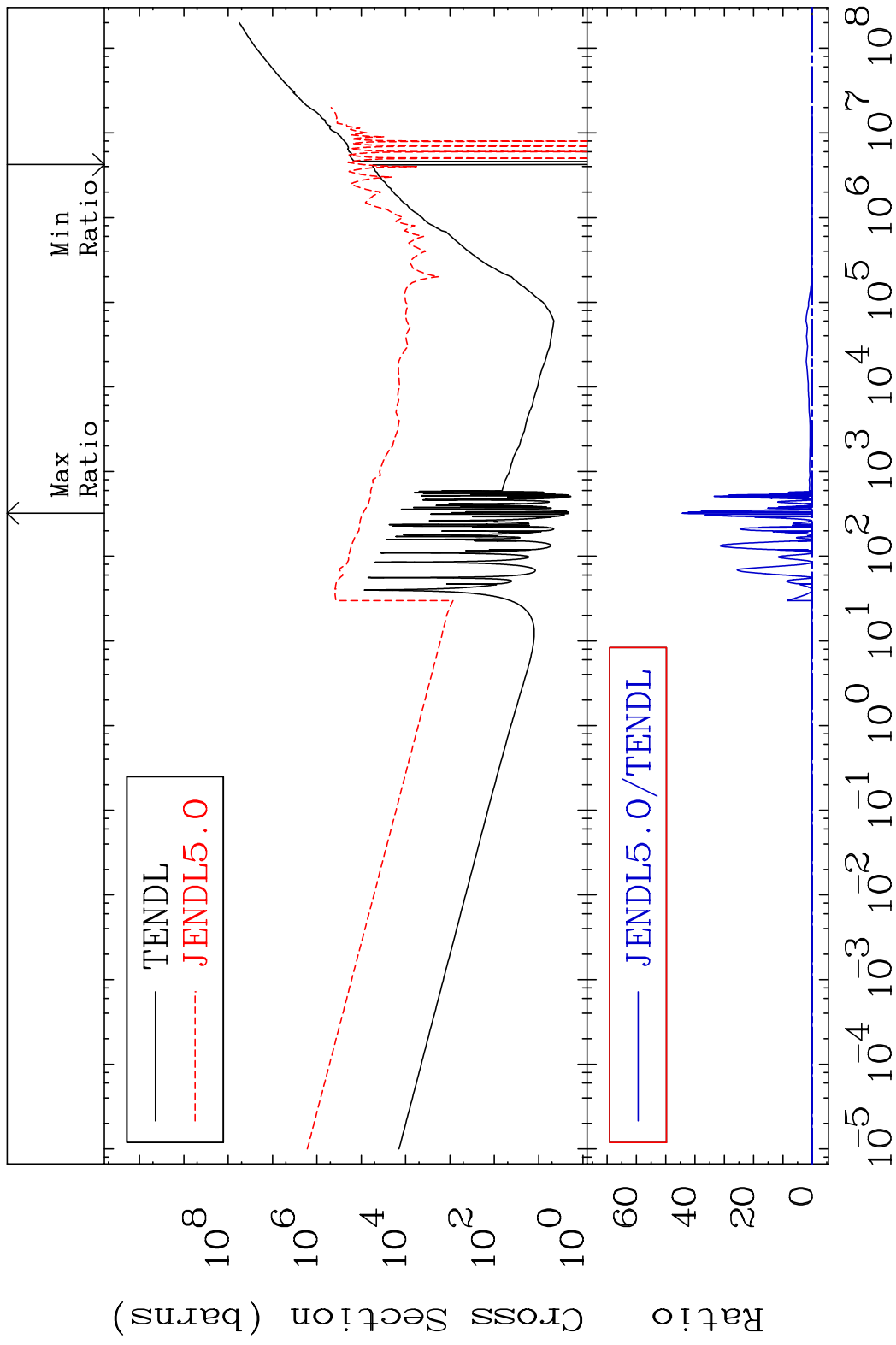
MAT 5140

Kerma elastic Cross Section -99.89 To 9999. %

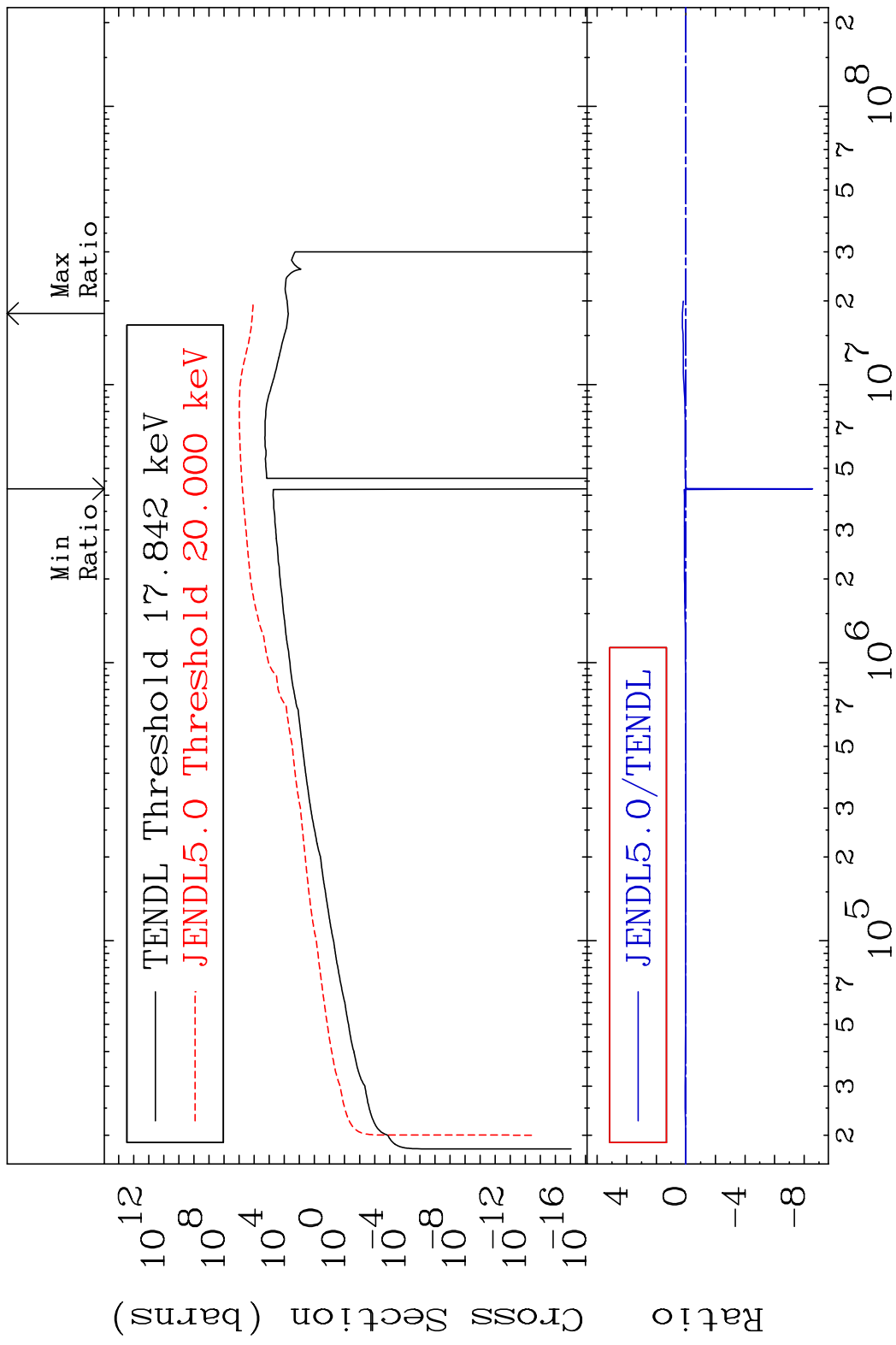
51-Sb-126



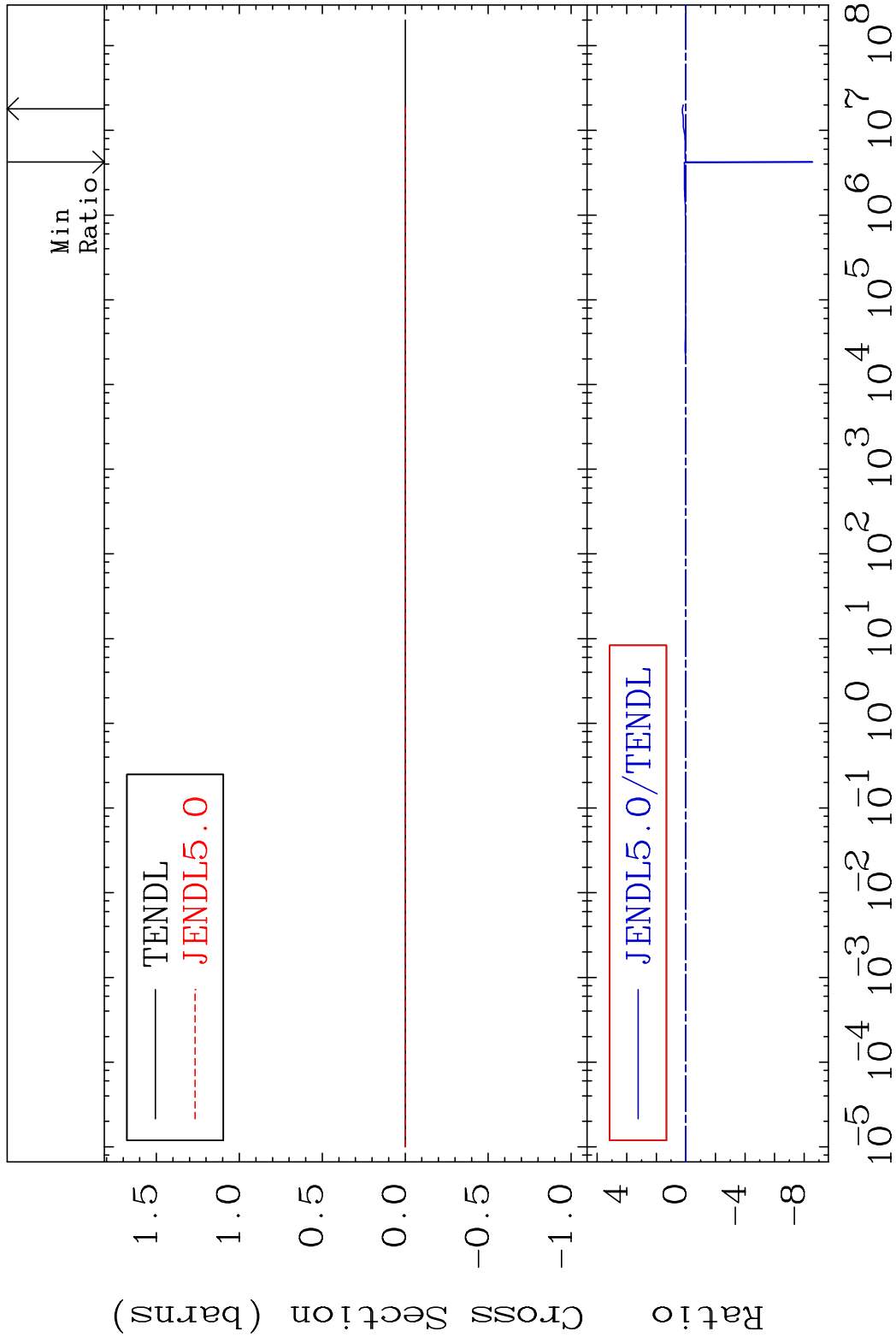
MAT 5140 Kerma non-elastic (all but mt2) 51-Sb-126
 Cross Section -9999. To 9999. %

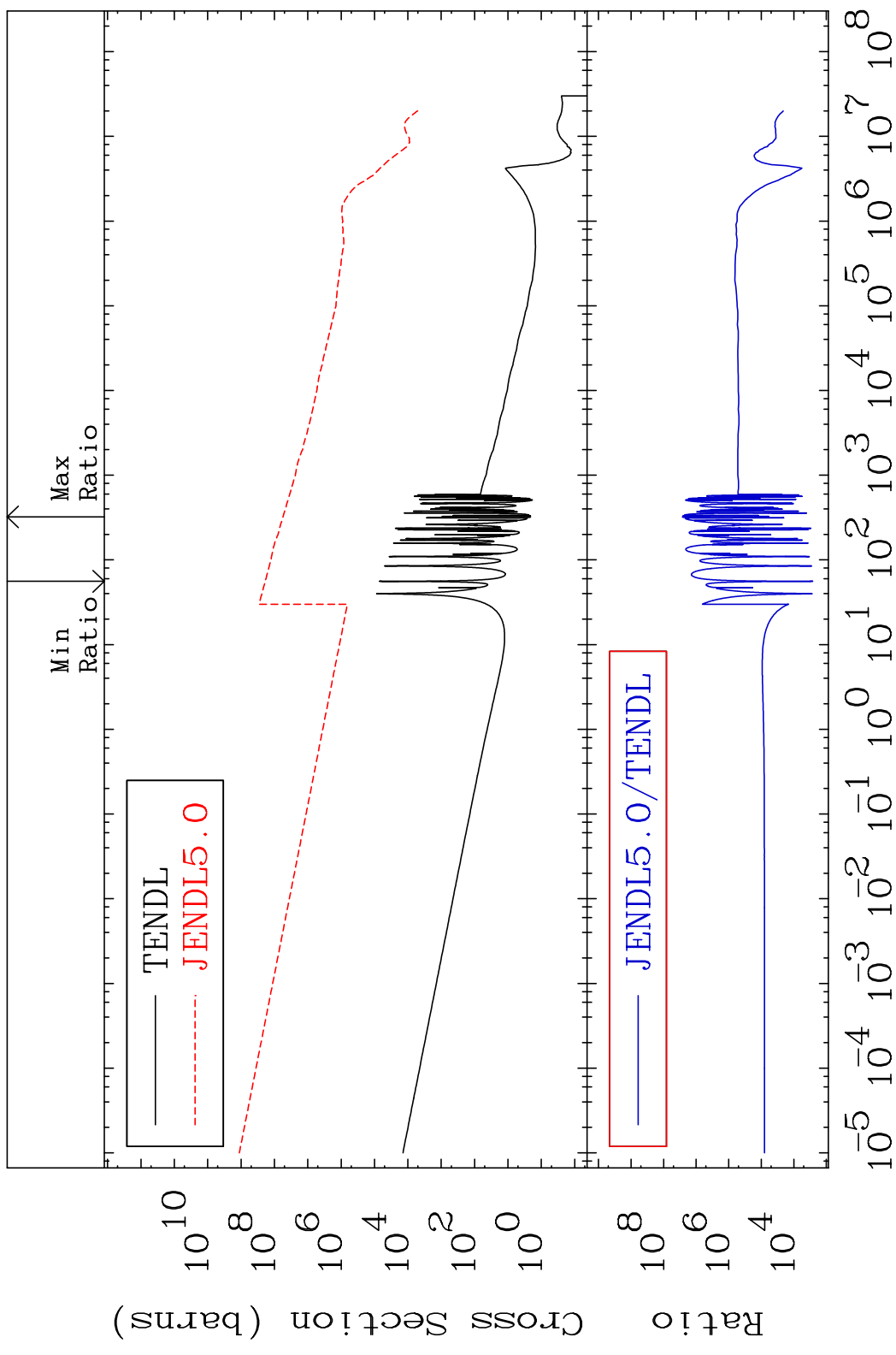


MAT 5140 Kerma inelastic (mt51-91) 51-Sb-126
 Cross Section -9999. To 9999. %

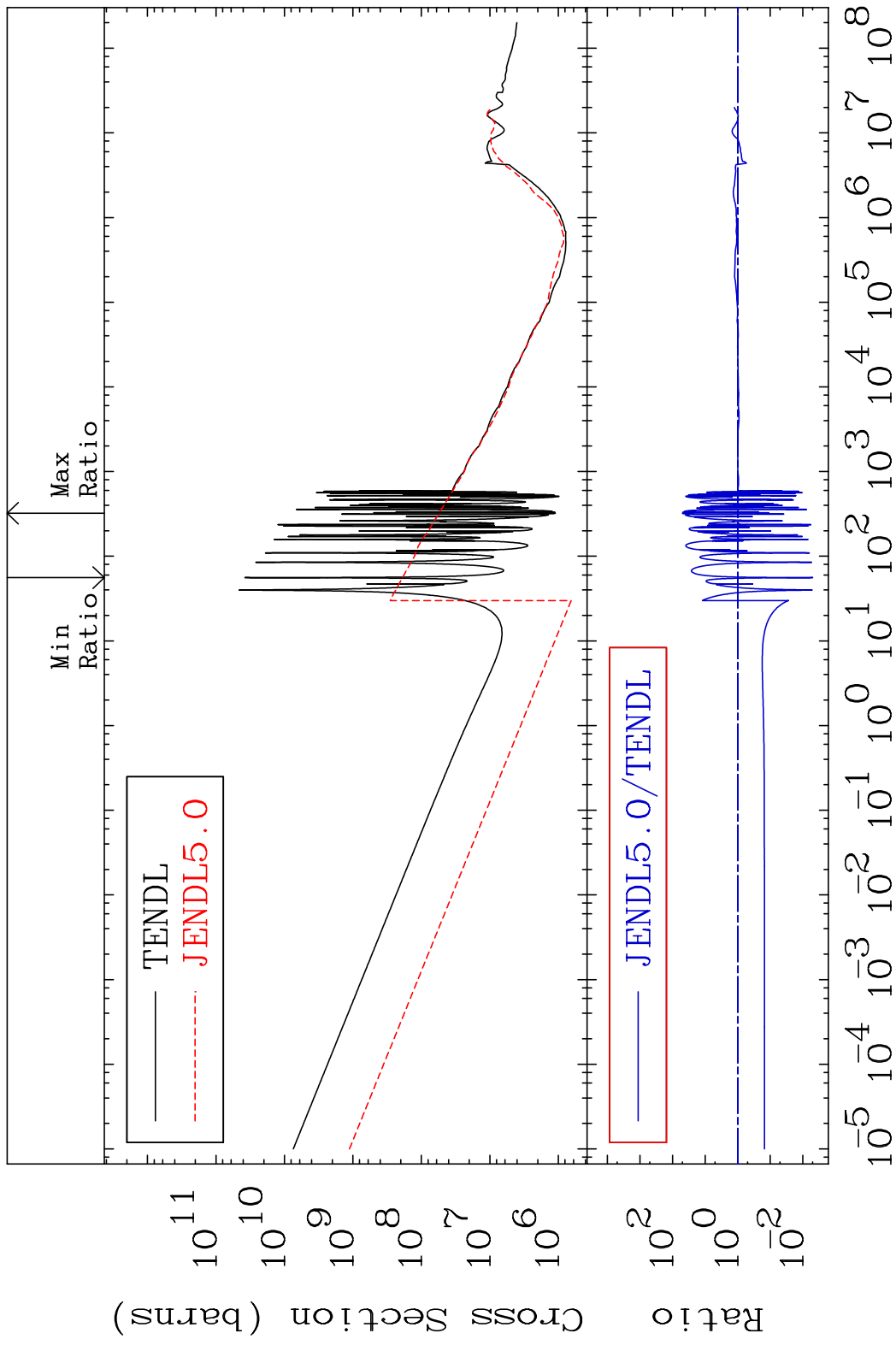


MAT 5140 Kerma fission (mt18 or mt19-20-21-38) 51-Sb-126
 Cross Section -9999. To 9999. %

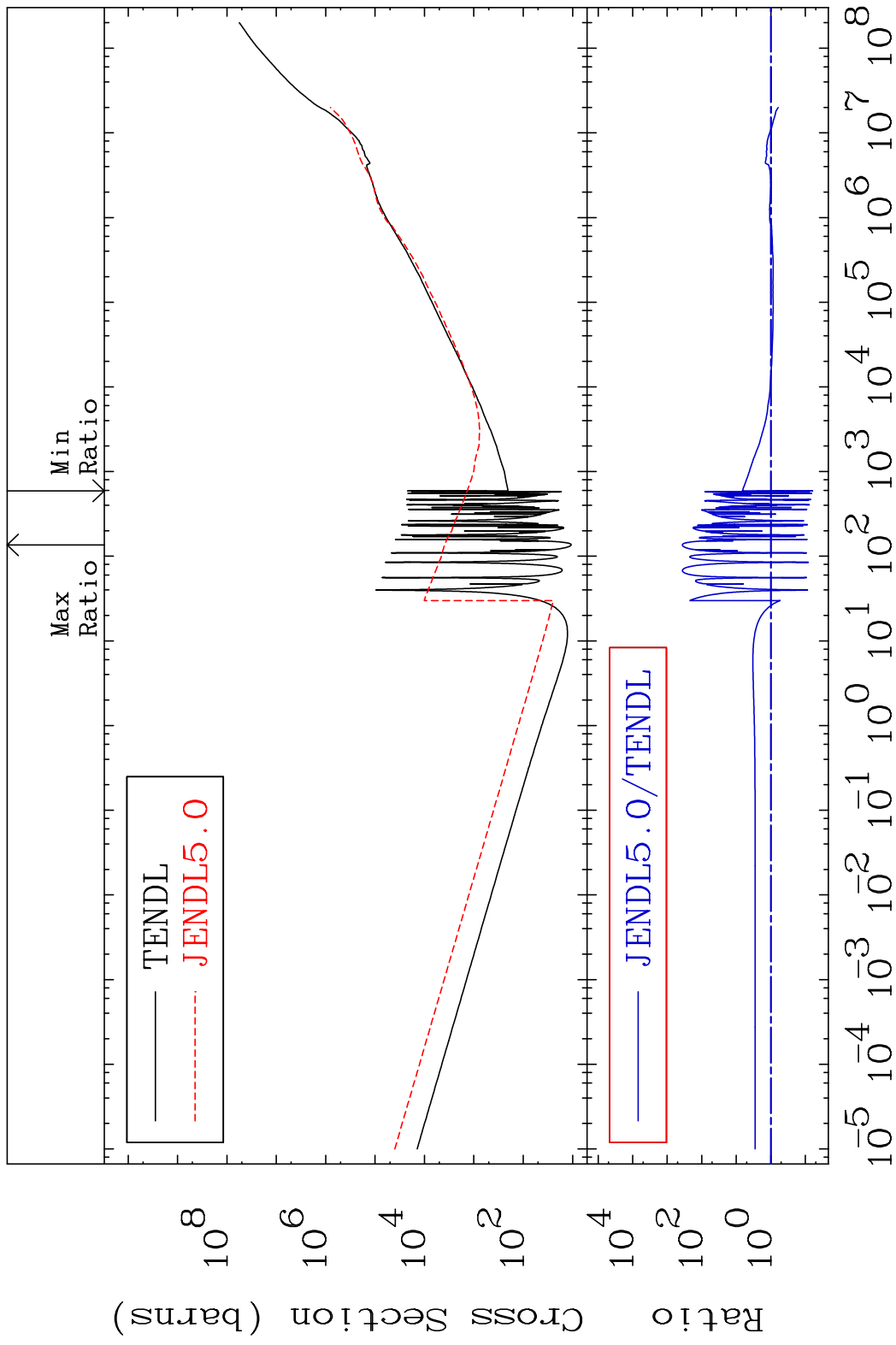




MAT 5140 Total photon (eV-barns) 51-Sb-126
 Cross Section -99.50 To 4912. %



MAT 5140 Total kinematic kerma (high limit) 51-Sb-126
 Cross Section -93.81 To 9999. %

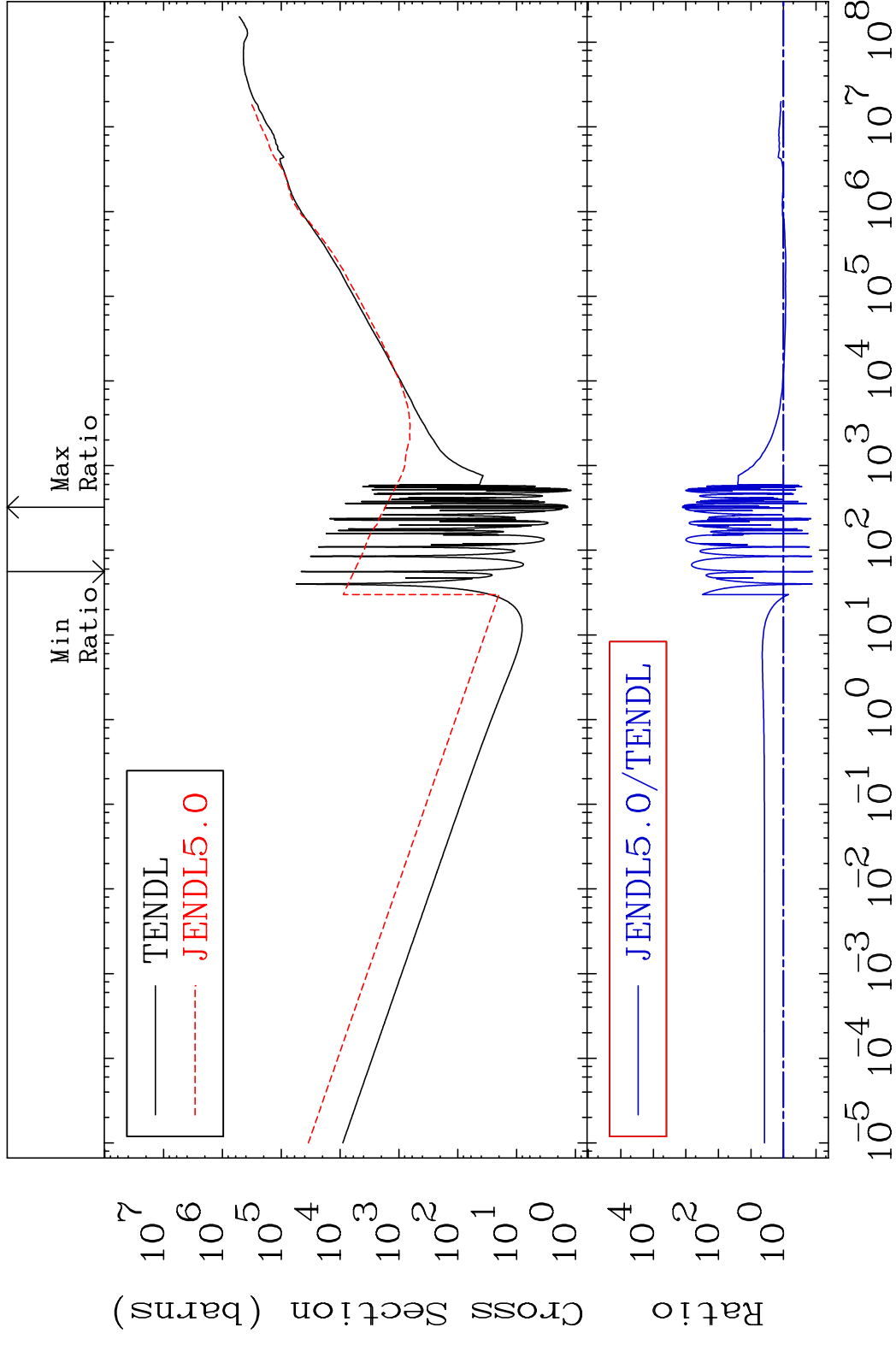


MAT 5140

Dpa total (eV-barns)

51-Sb-126

Cross Section -87.21 To 9999. %



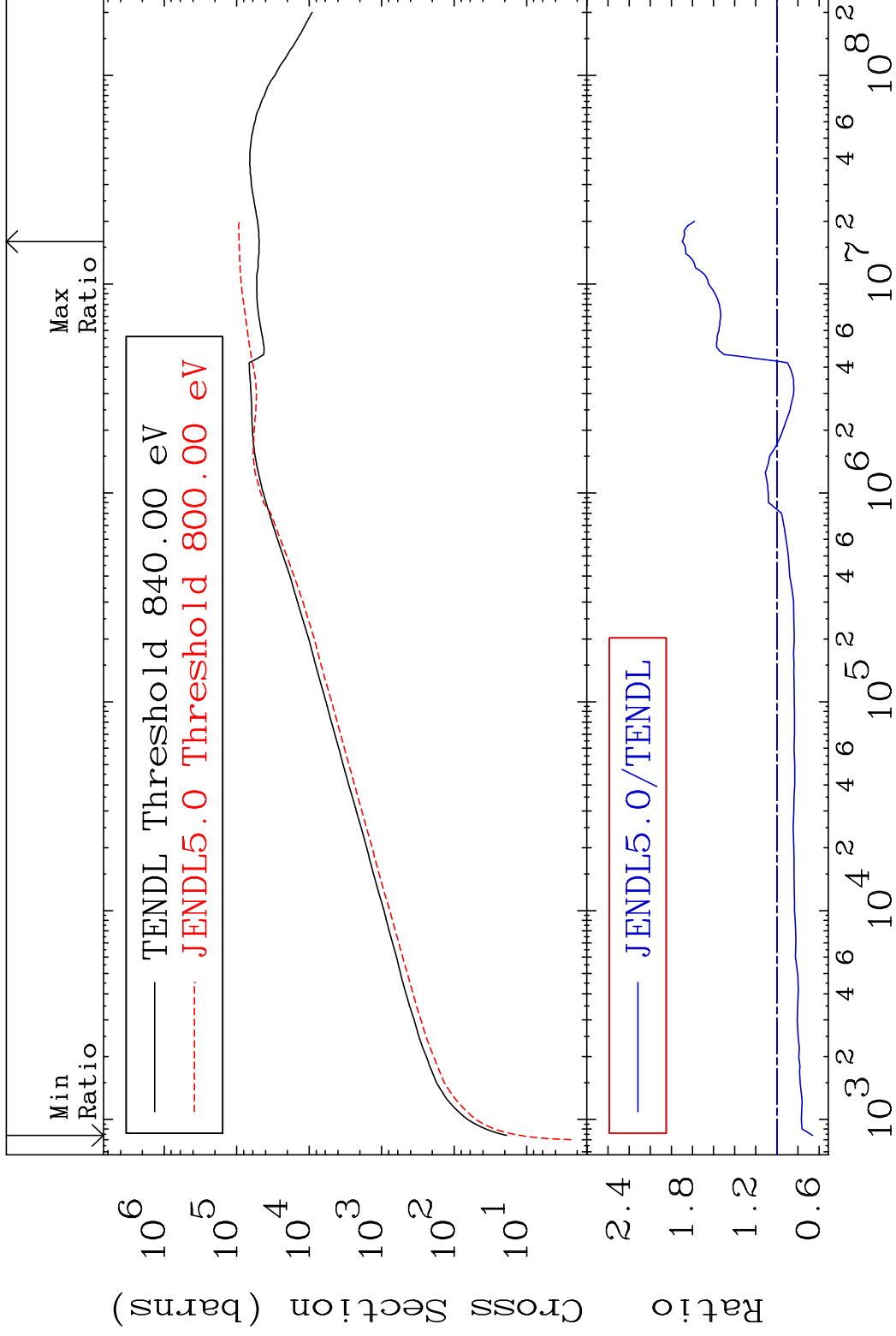
MAT 5140

Dpa elastic (mt2)

51-Sb-126

Cross Section

-33.72 To 89.76 %

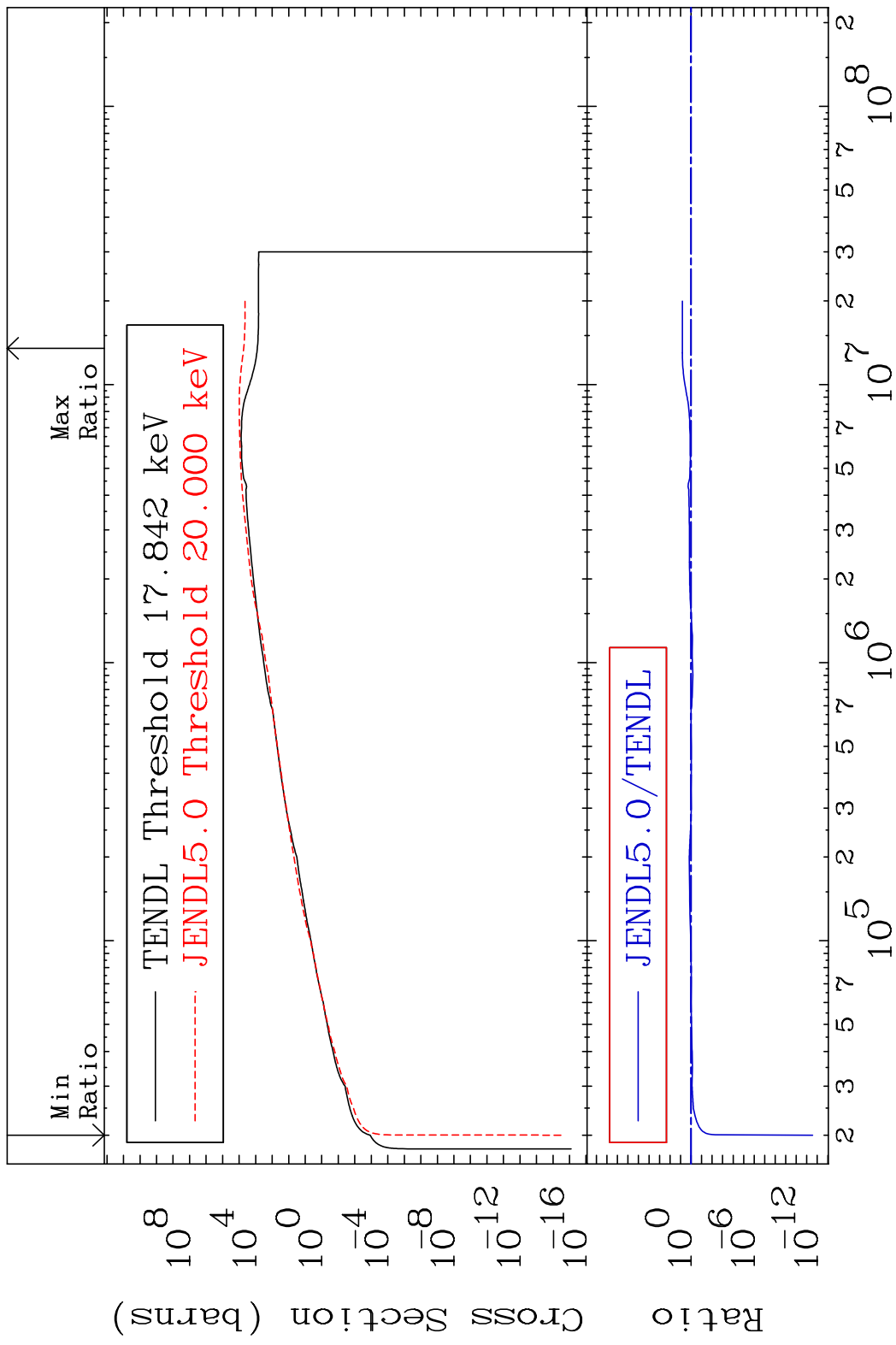


35

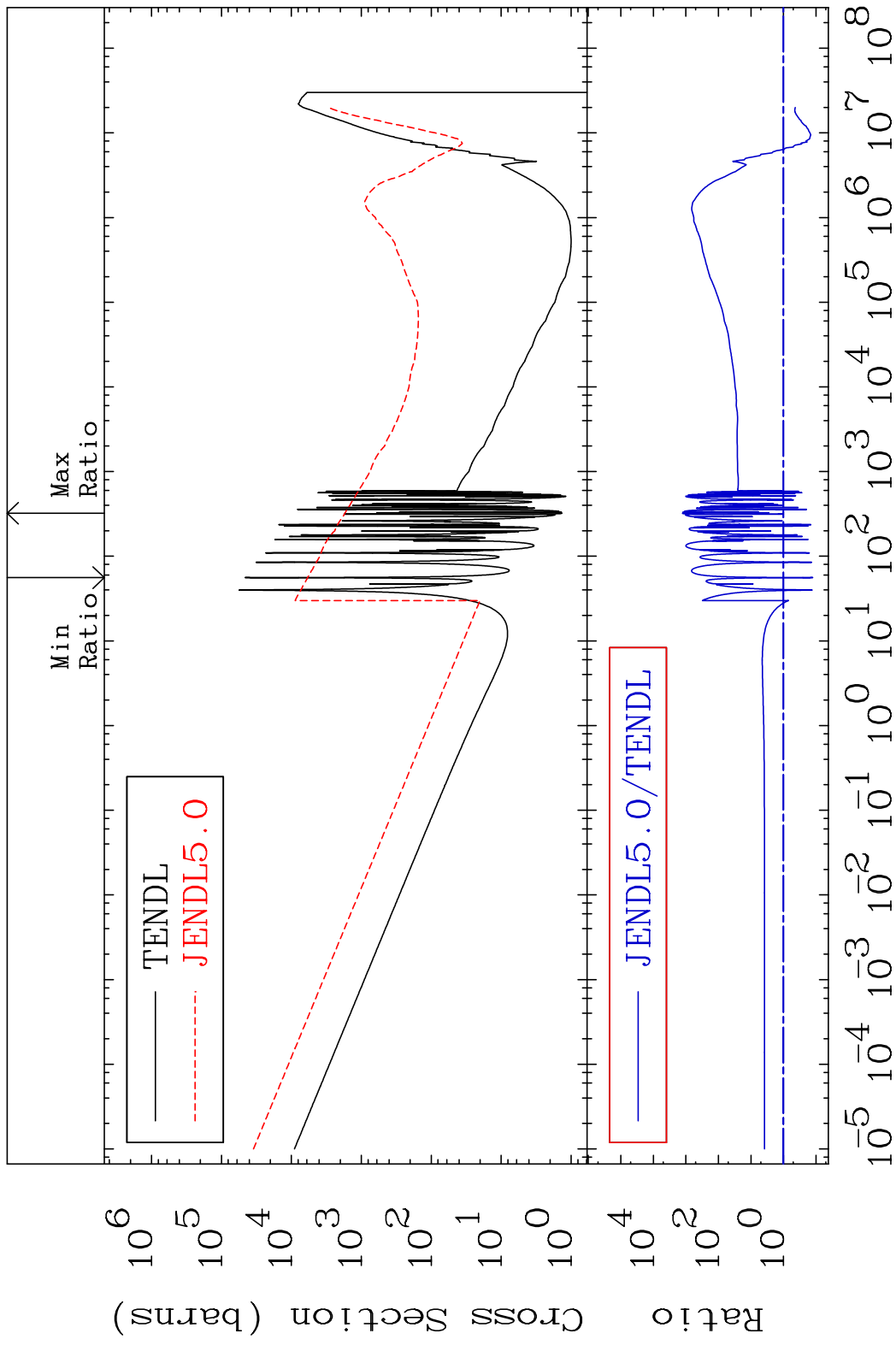
Incident Energy (eV)

51-Sb-126

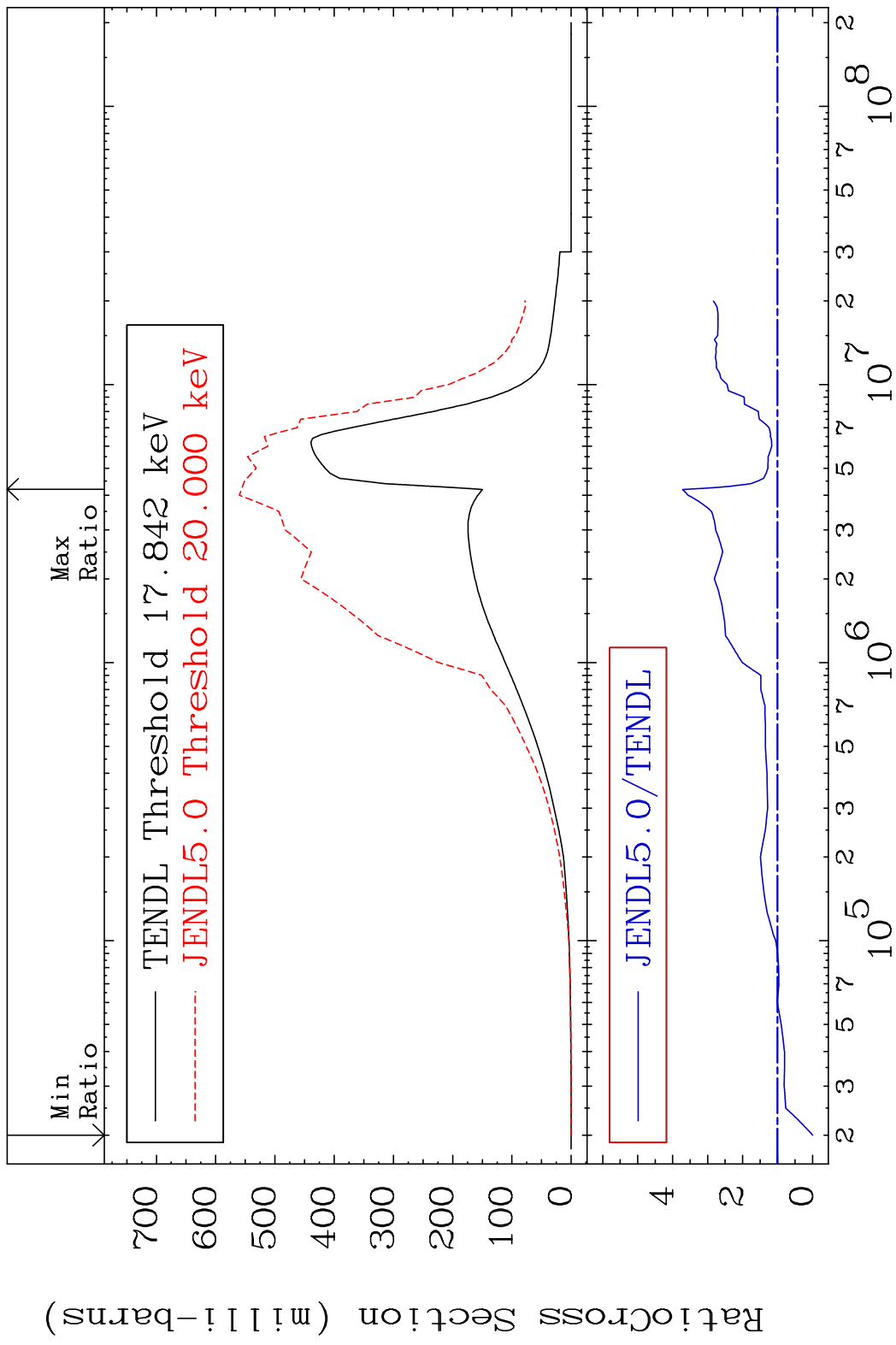
MAT 5140 Dpa inelastic (mt51-91) 51-Sb-126
 Cross Section -100.0 To 573.0 %

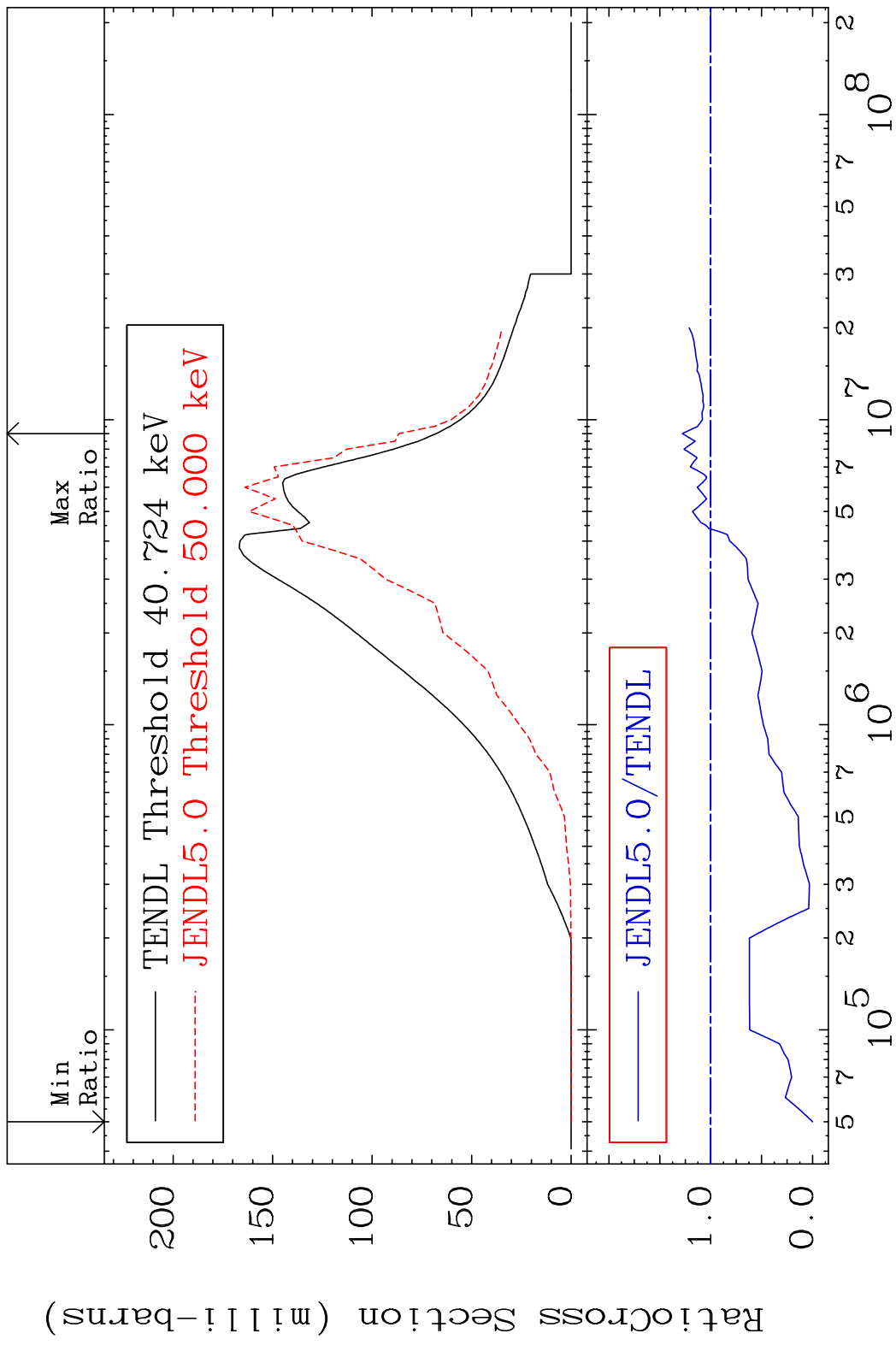


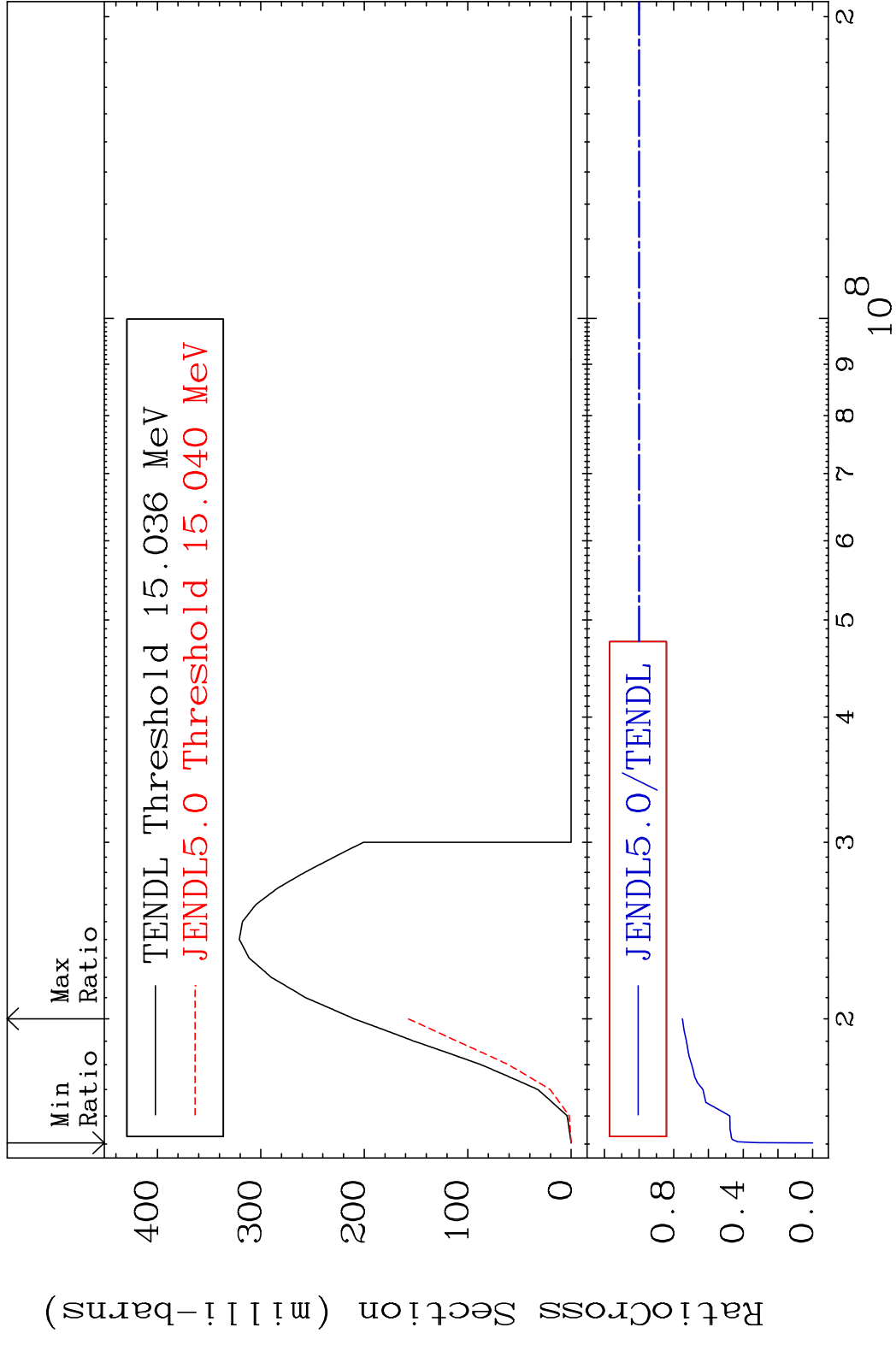
MAT 5140 Dpa disappearance (mt102 -120) 51-Sb-126
 Cross Section -87.21 To 9999. %



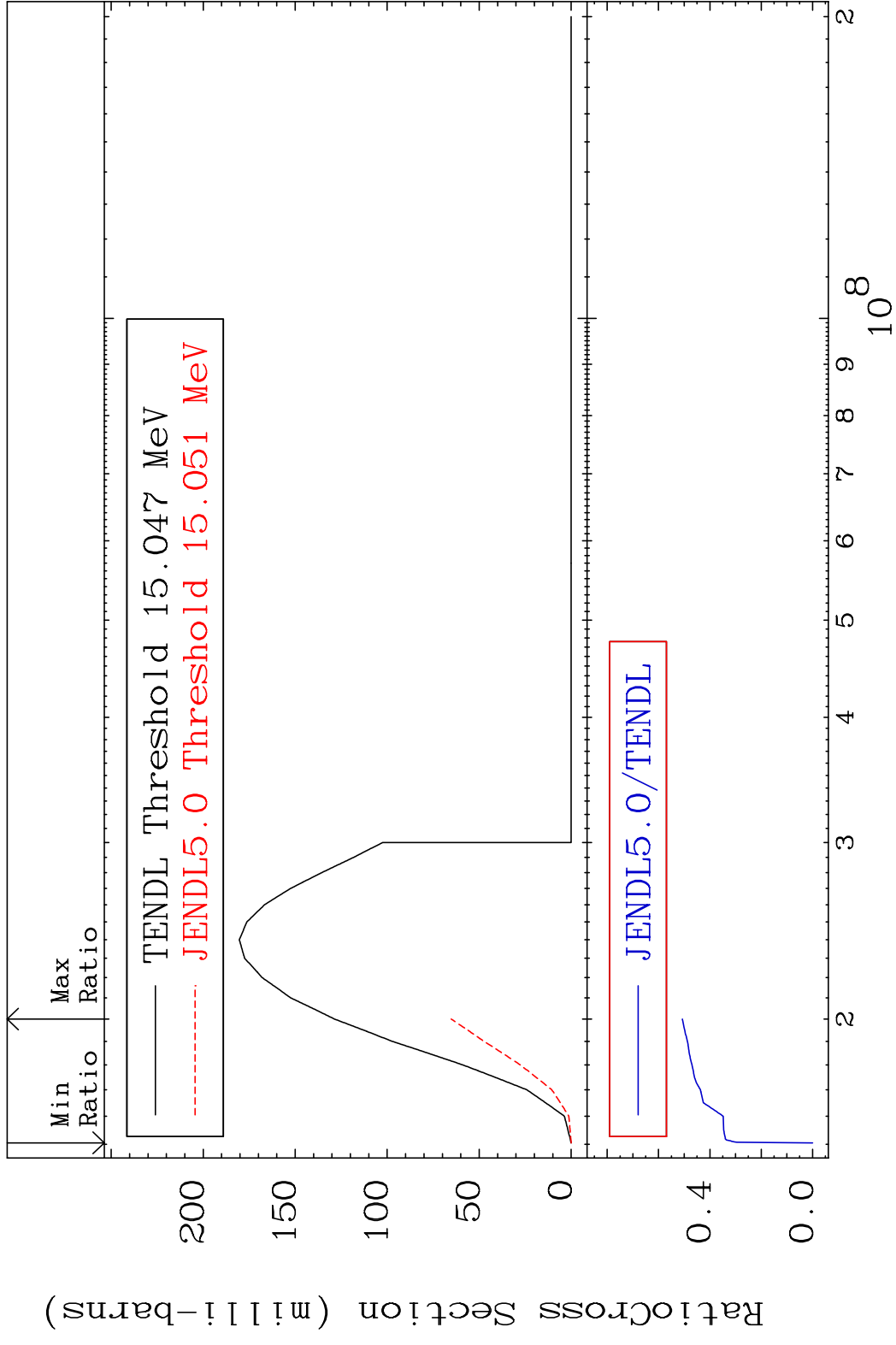
MAT 5140 Inelastic:51-Sb-126m1 51-Sb-126
 Radionuclide Production Cross Section 180.01 dth 272.3 %

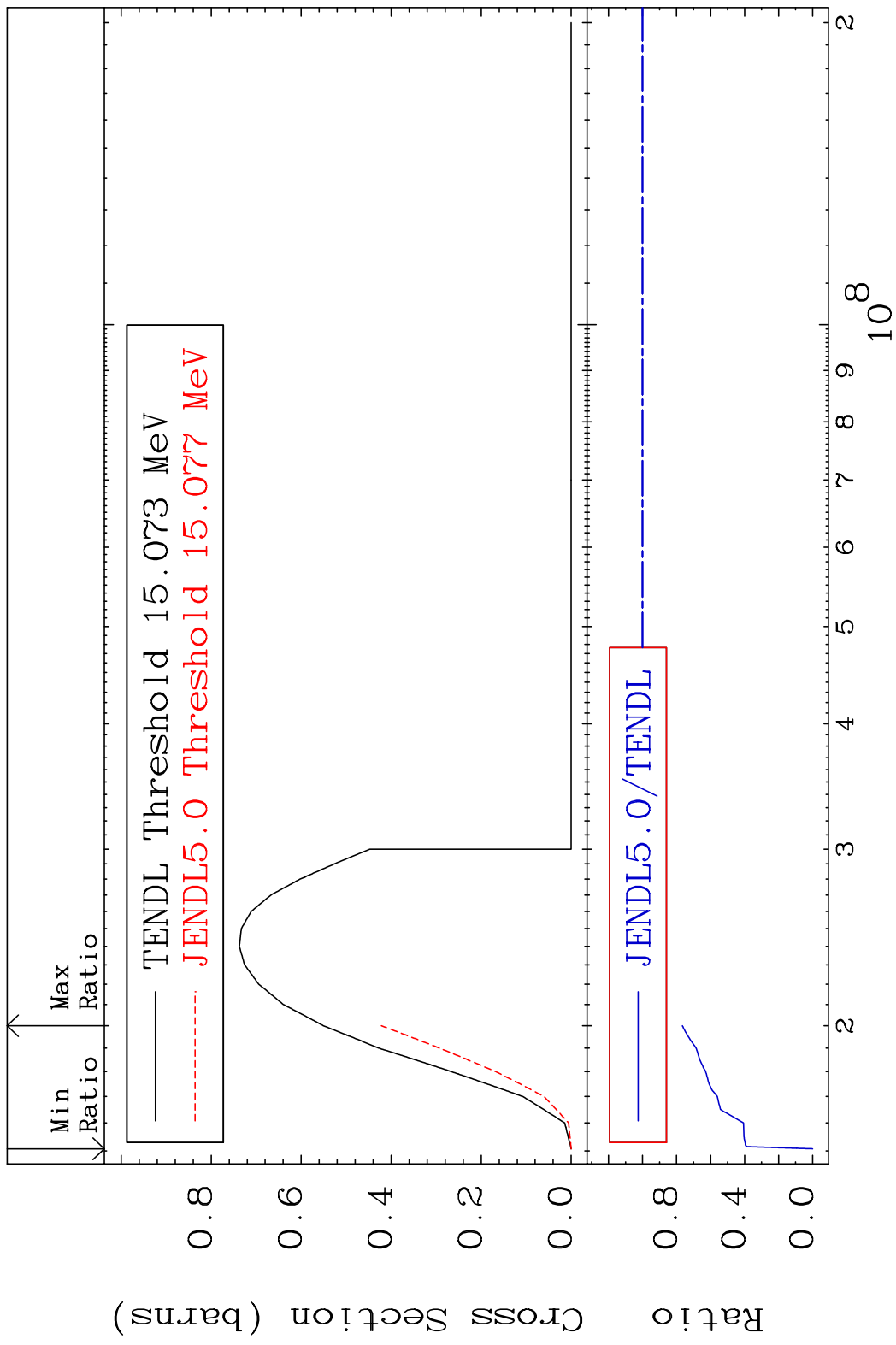




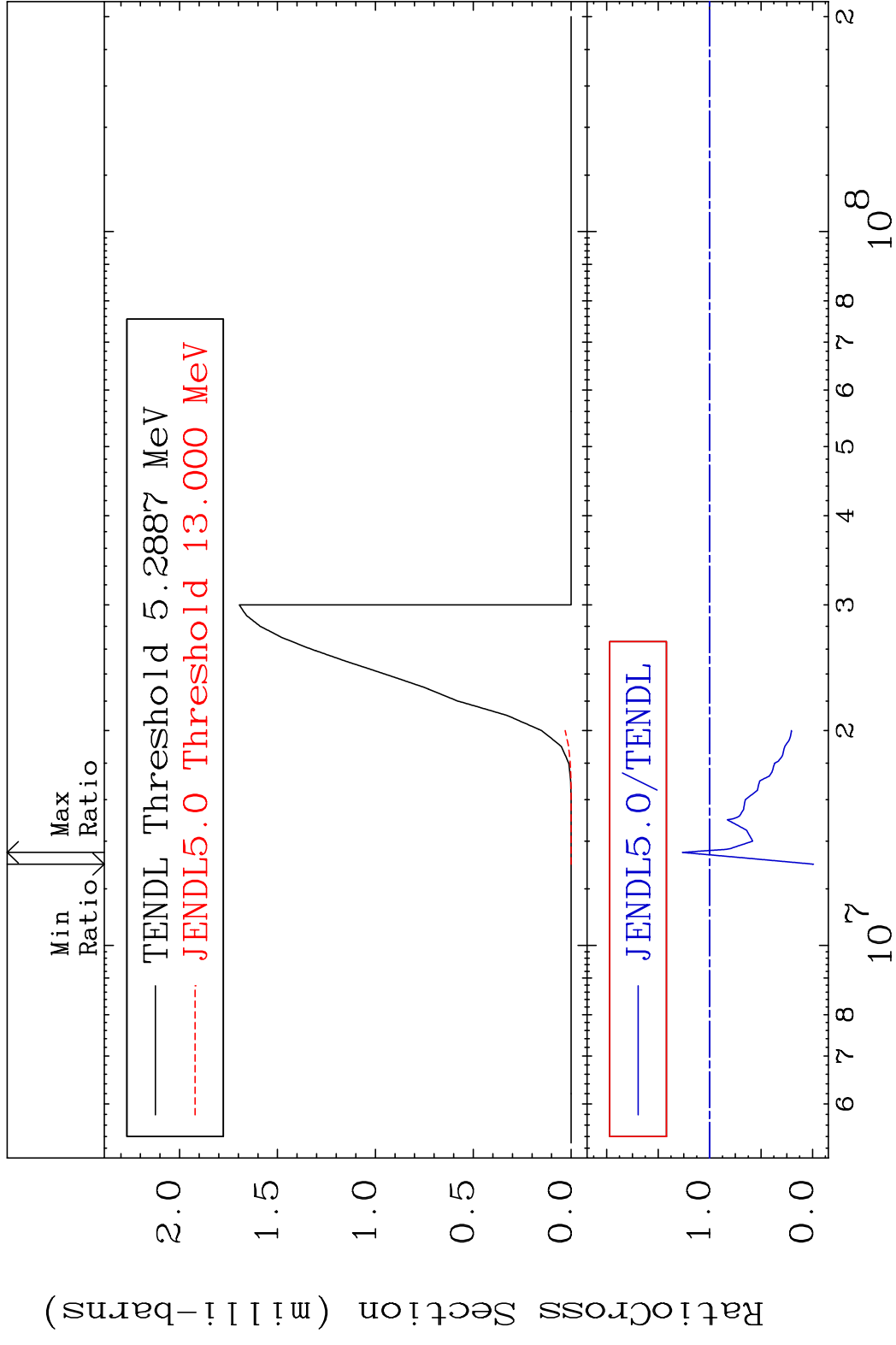


MAT 5140 (n, 3n):51-Sb-124m1 51-Sb-126
 Radionuclide Production Cross Section Ratio -49.28%

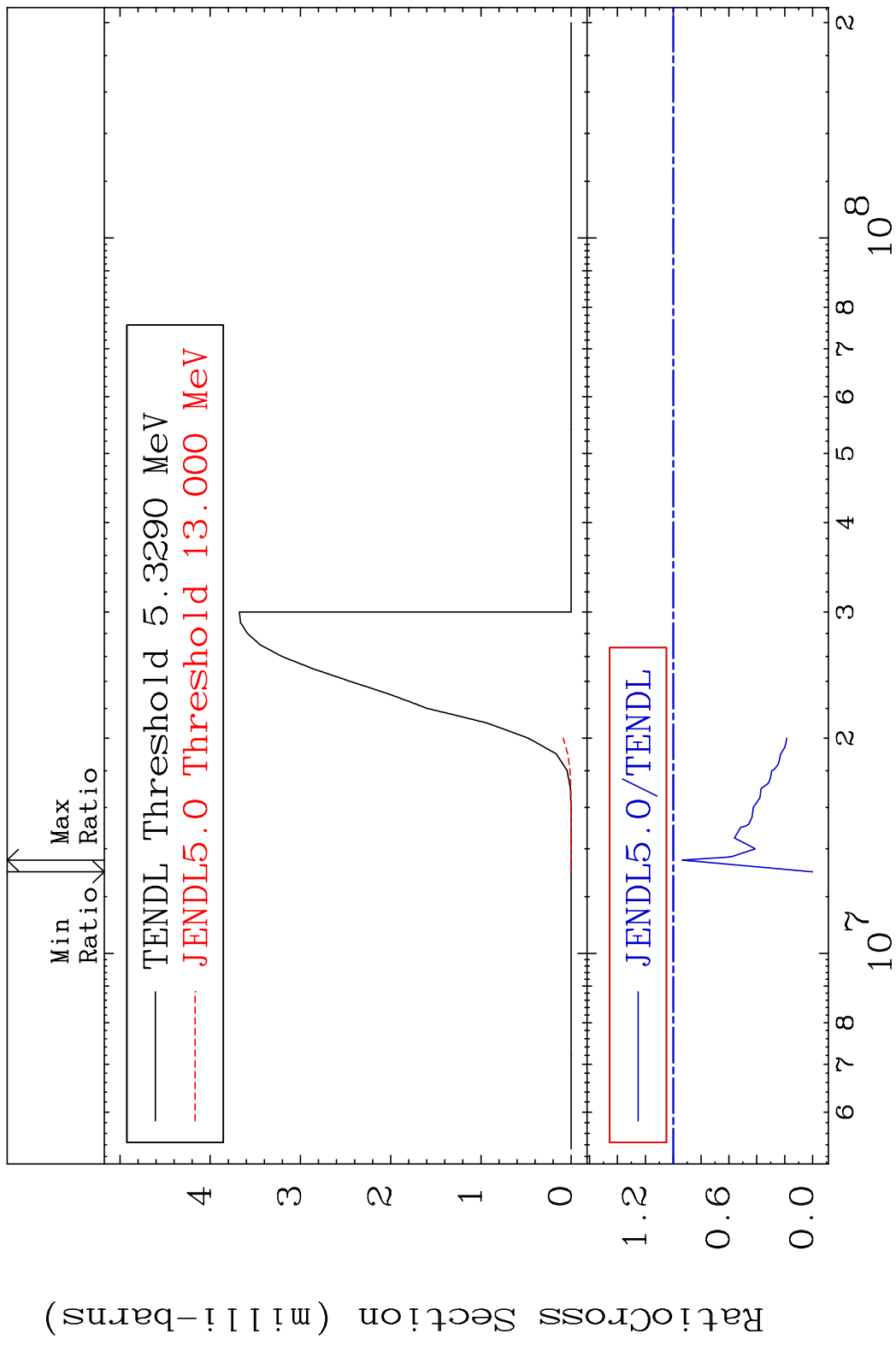


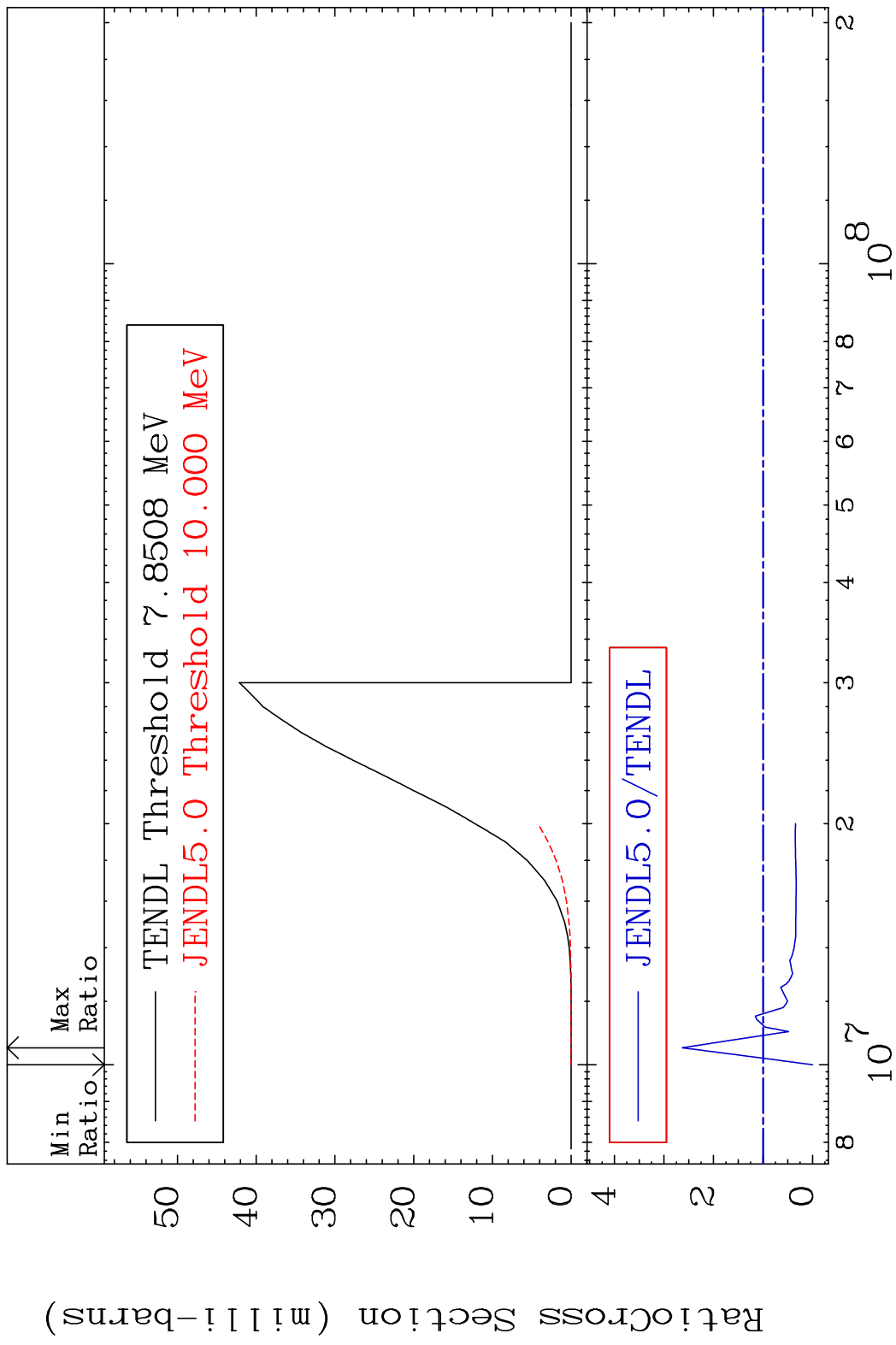


MAT 5140 (n, n') α :49-In-122g 51-Sb-126
 Radionuclide Production Cross Section Ratio 26.45 %

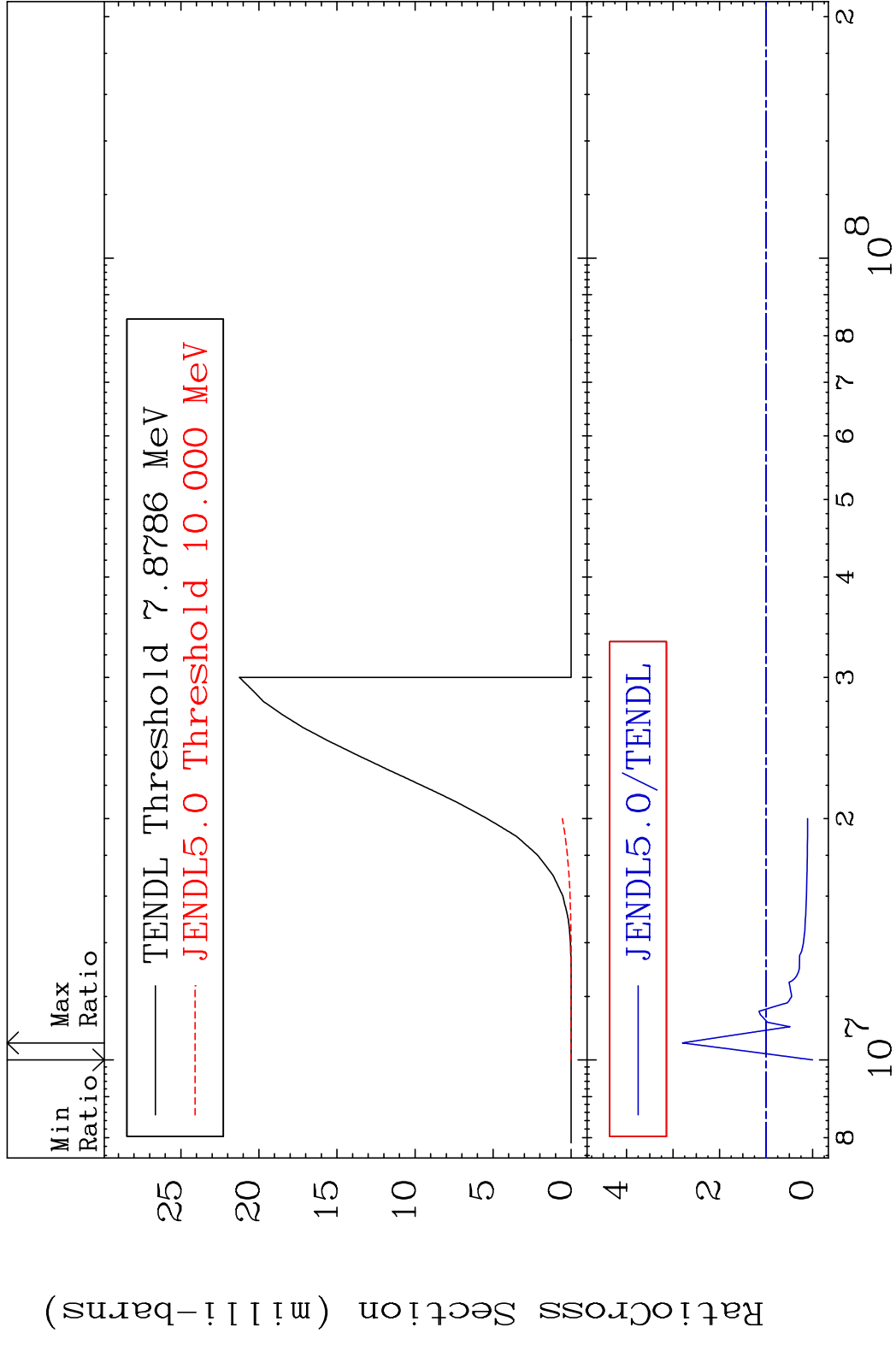


MAT 5140 (n, n') α :49-In-122m1 51-Sb-126
 Radionuclide Production Cross Section Ratio -6.566%

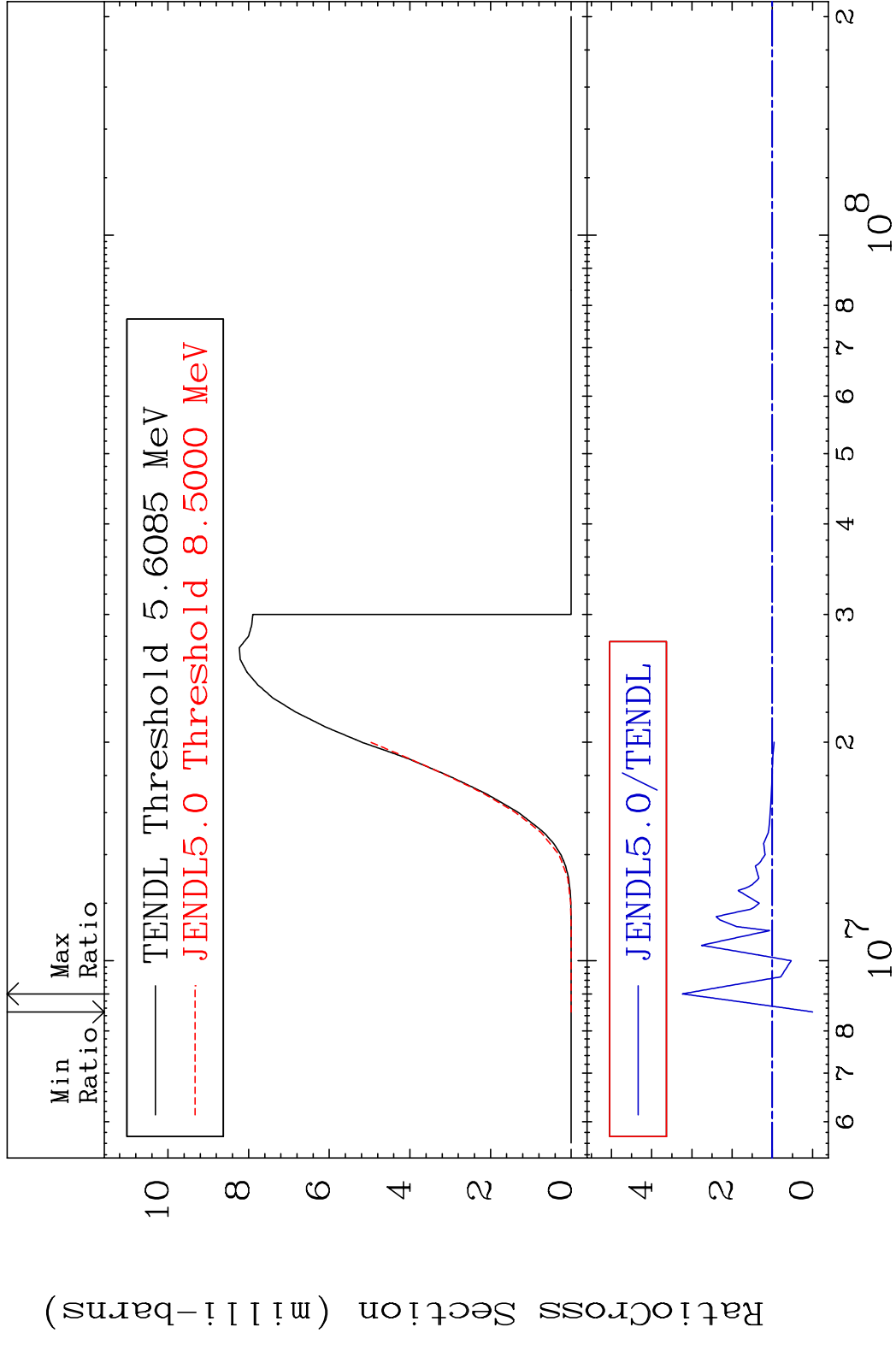




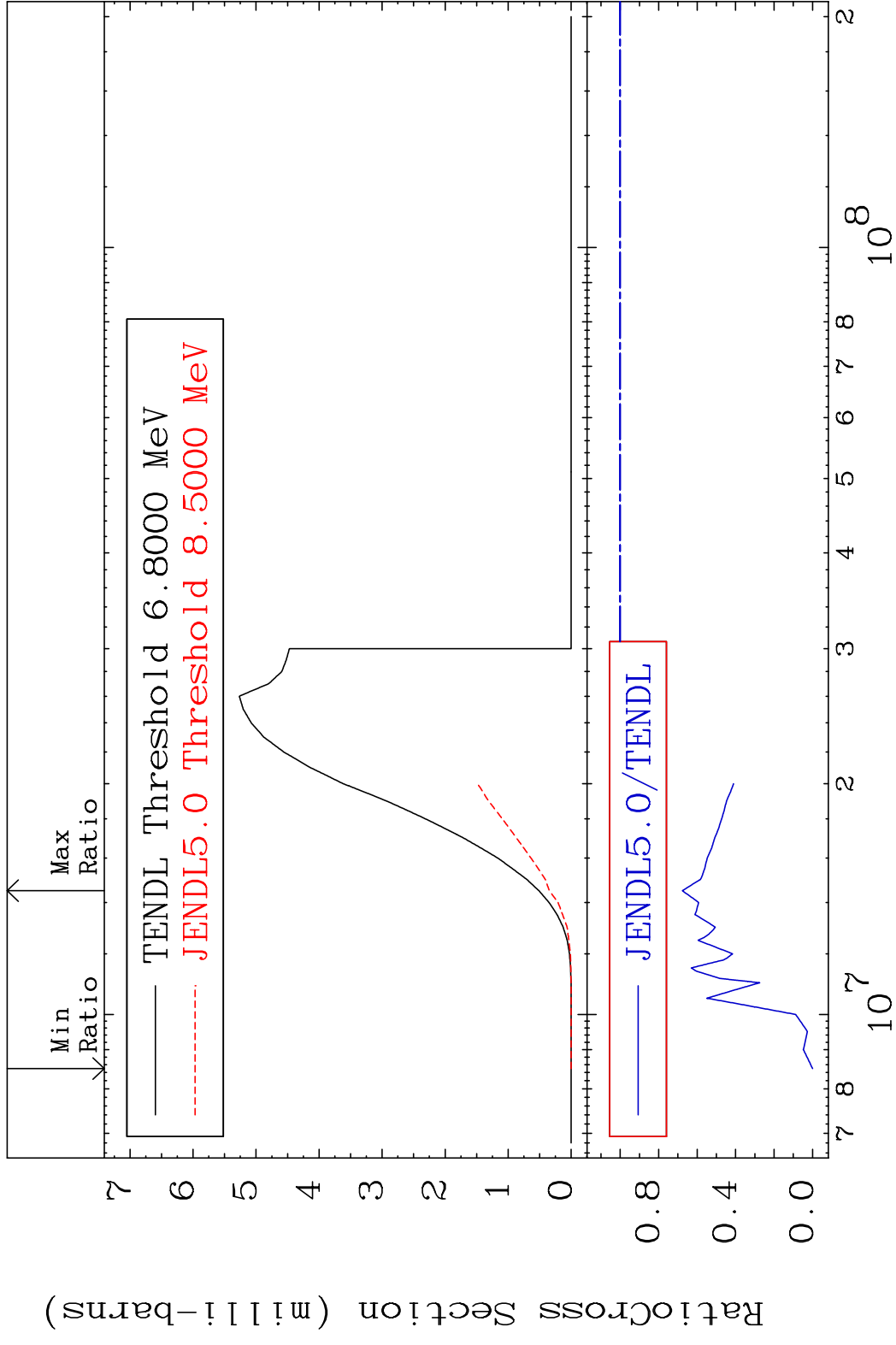
MAT 5140 (n, n') p:50-Sn-125m1 51-Sb-126
 Radionuclide Production Cross Section 180.0 mb 179.8 %

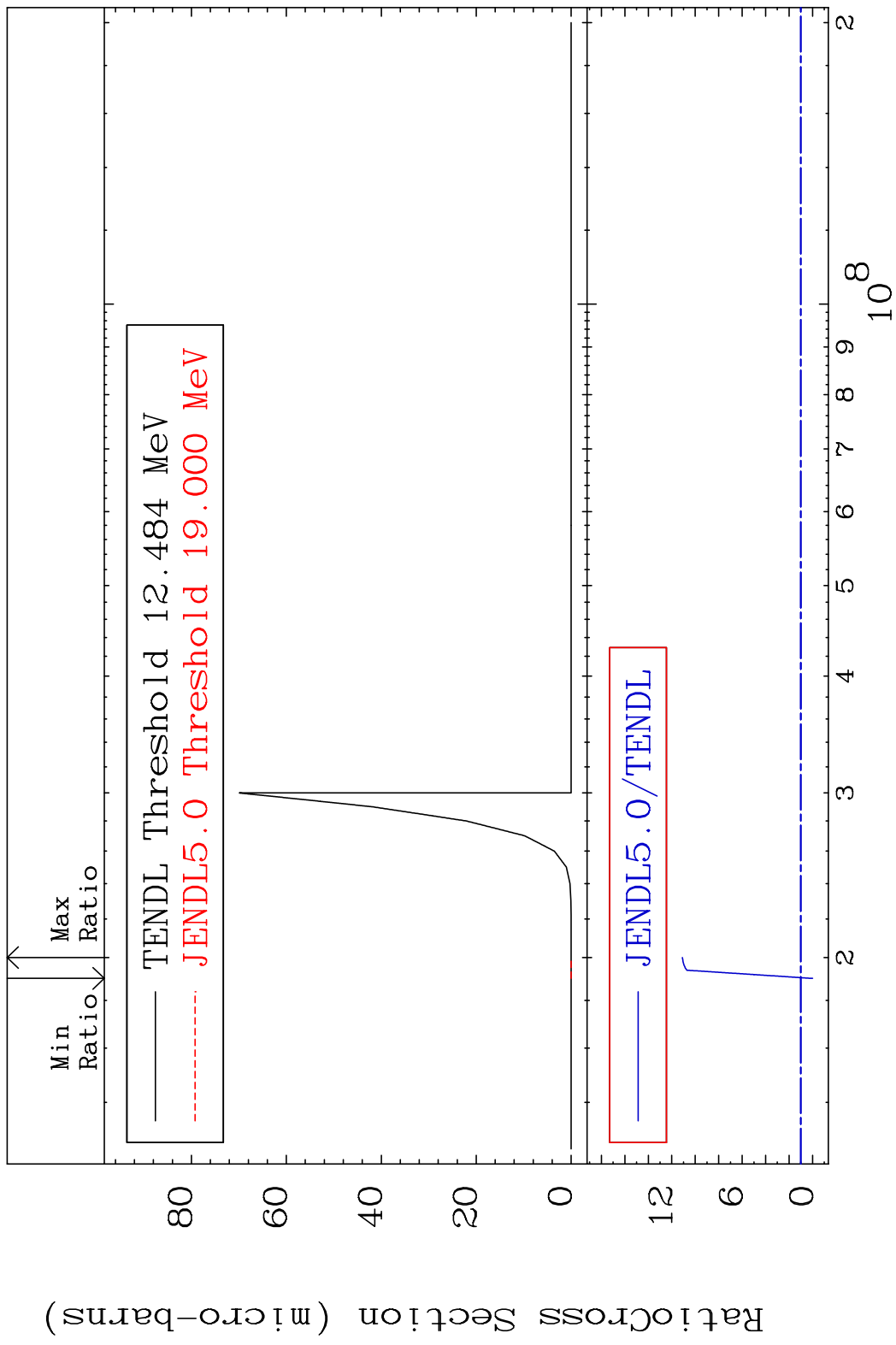


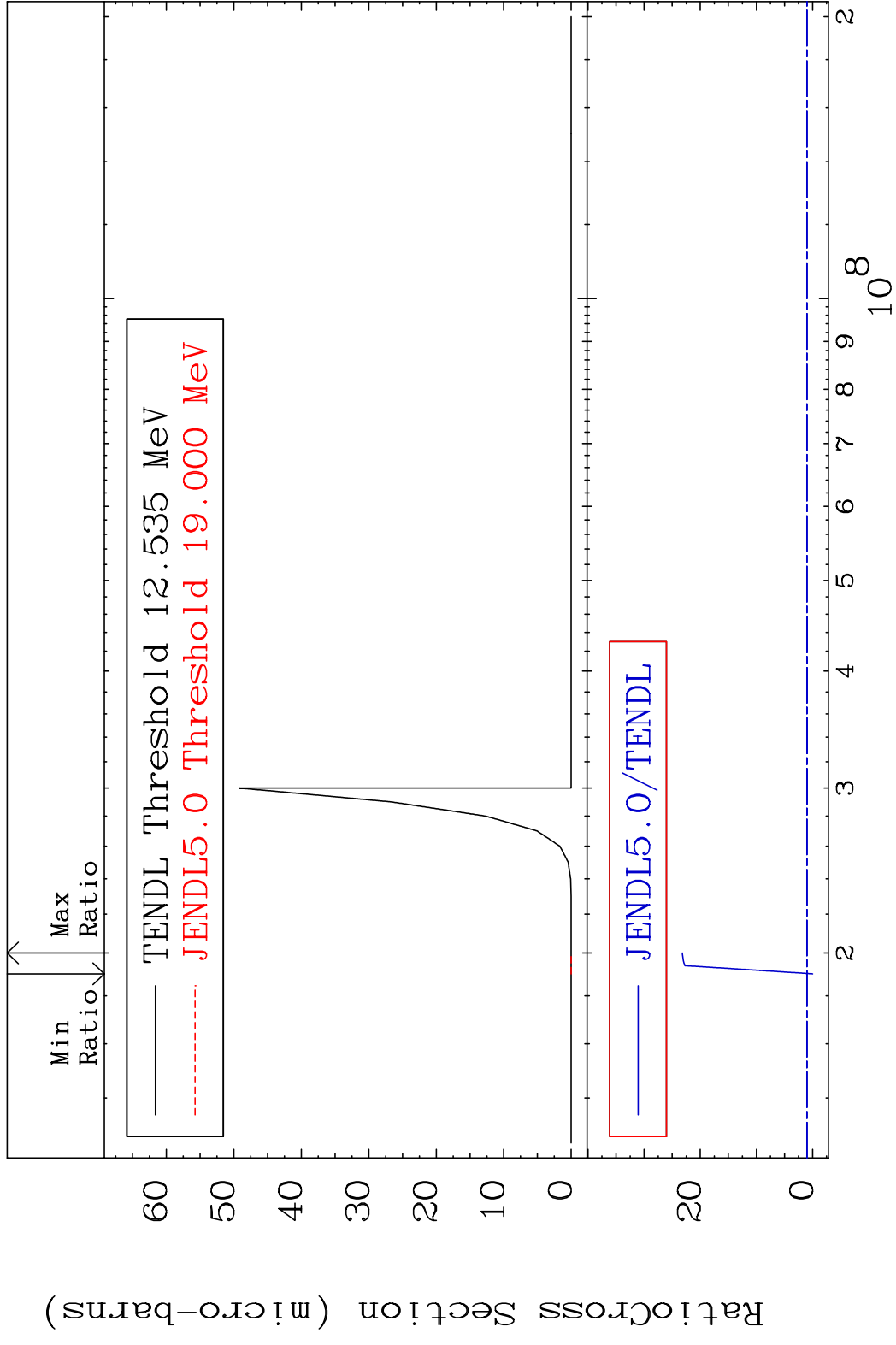
MAT 5140 (n, d):50-Sn-125g 51-Sb-126
 Radionuclide Production Cross Section 223.8 %



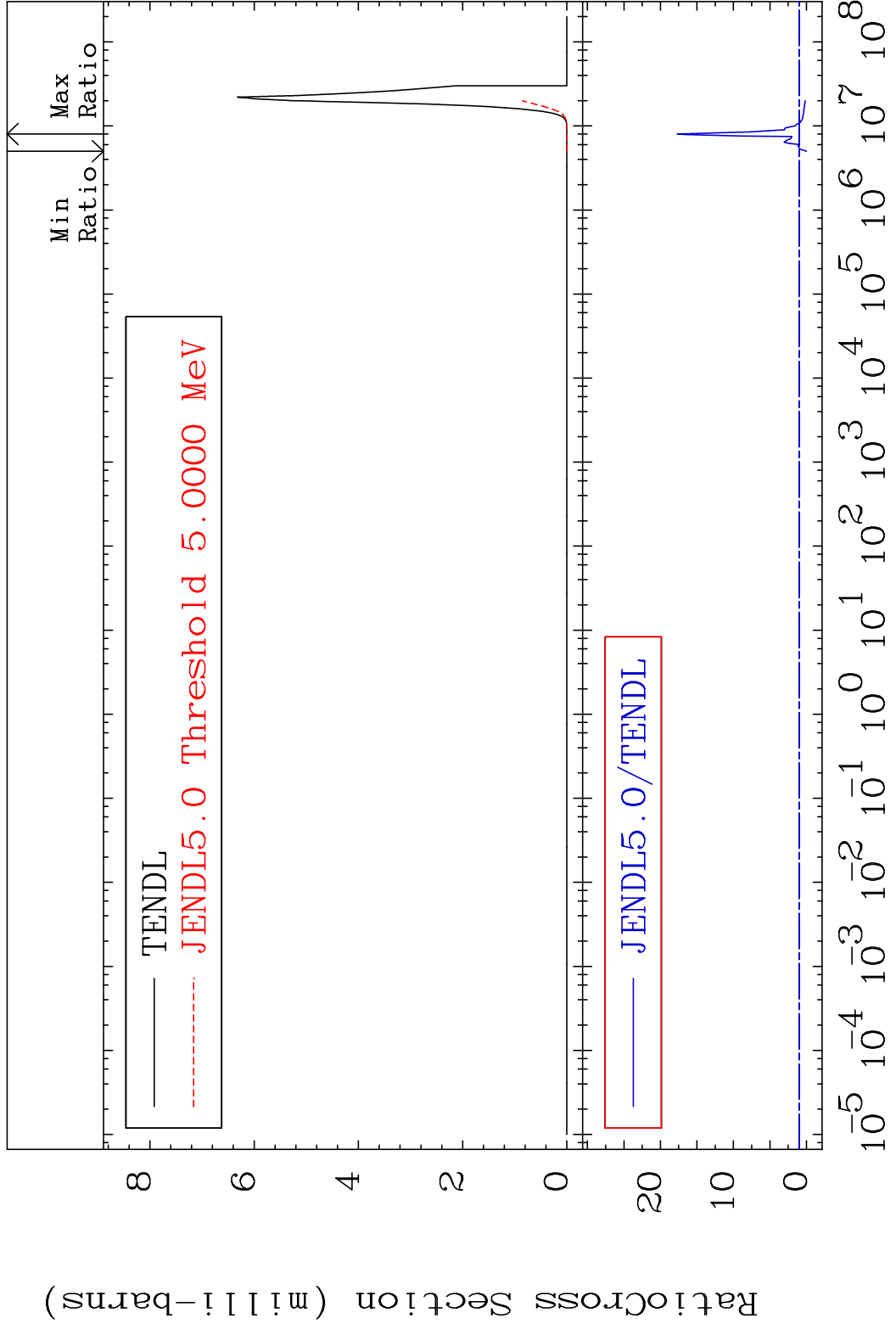
MAT 5140 (n, d):50-Sn-125m1 51-Sb-126
 Radionuclide Production Cross Section Ratio

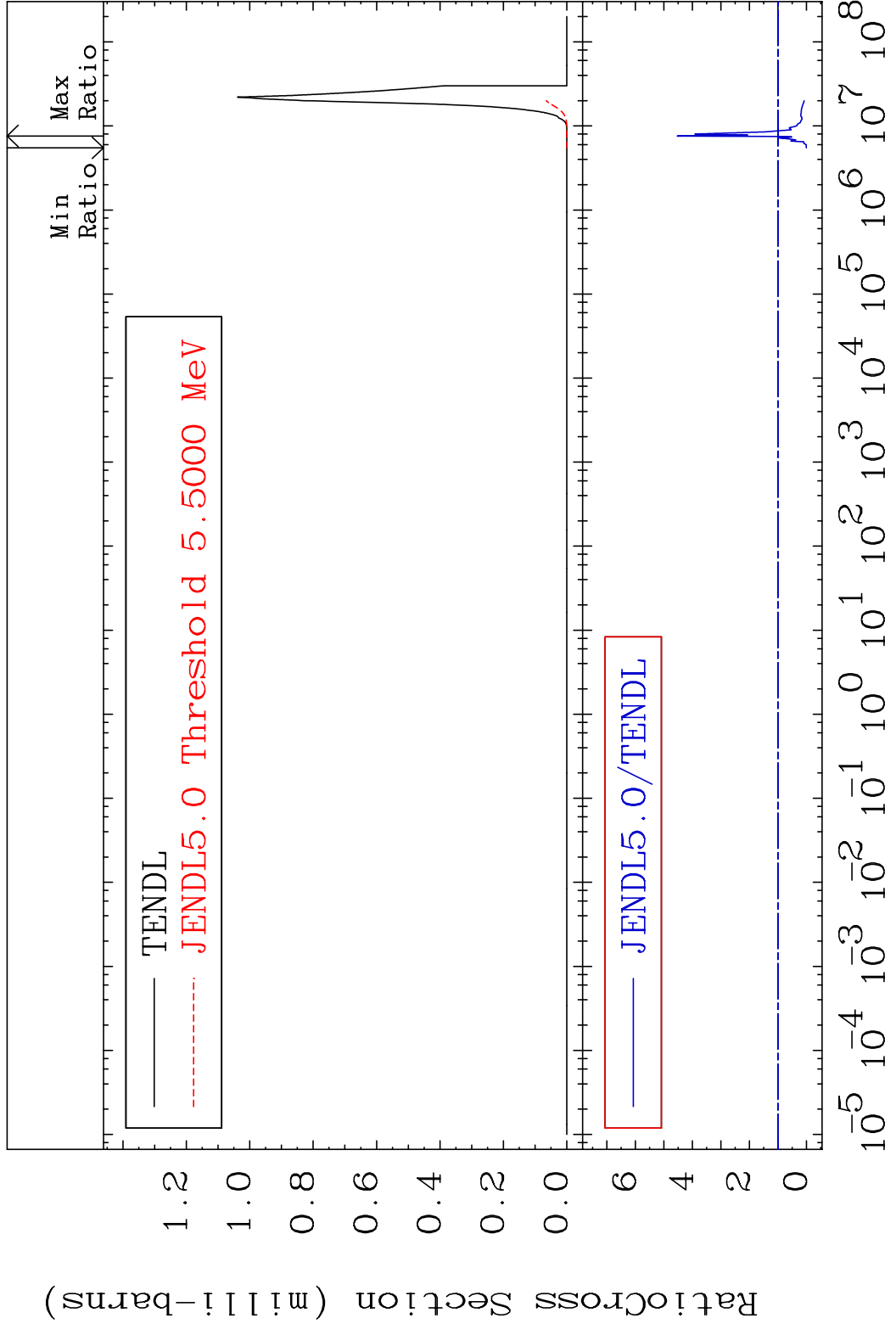






MAT 5140 (n,α):49-In-123g 51-Sb-126
 Radionuclide Production Cross Section 180.0 dth 1671. %





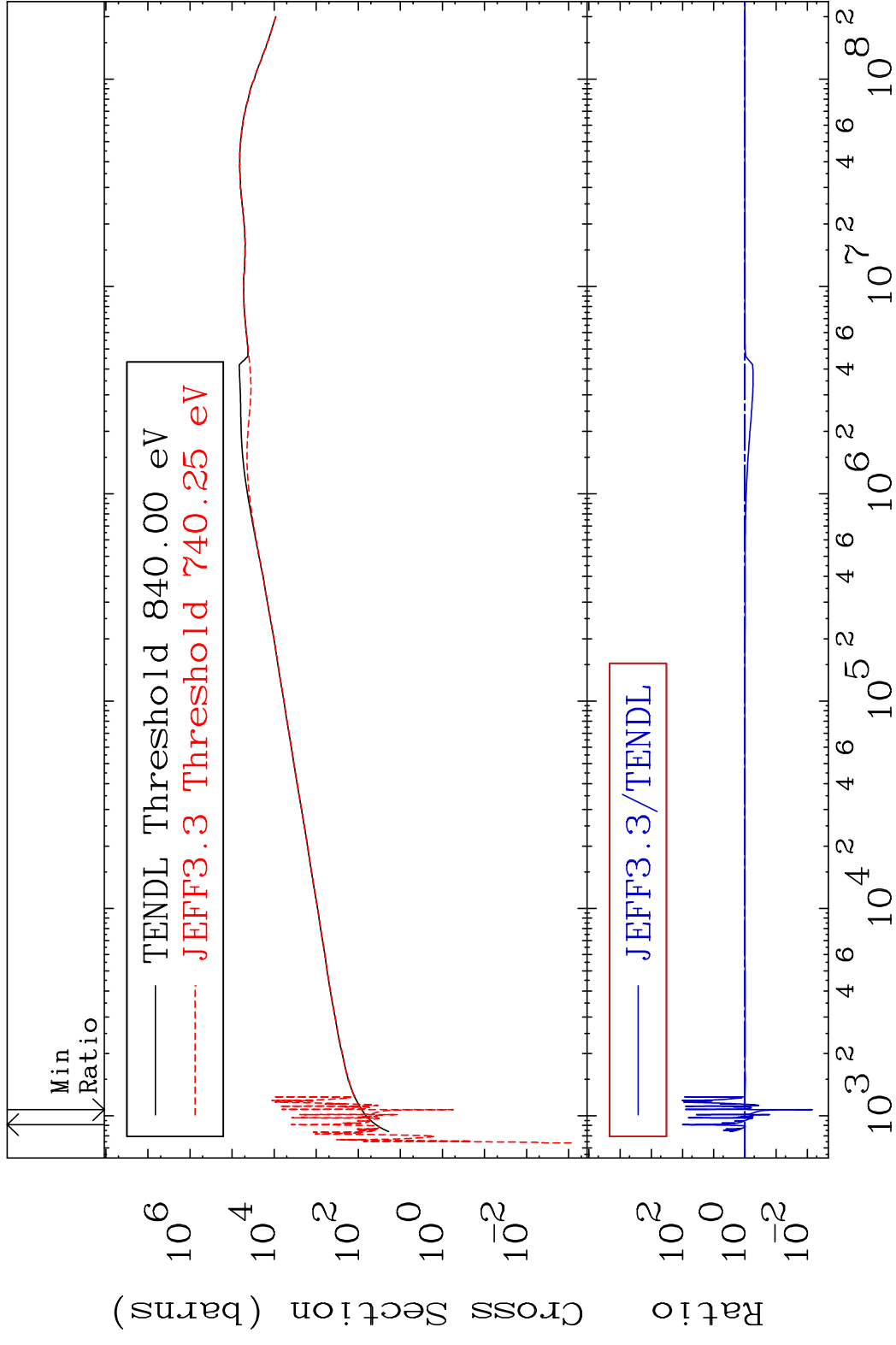
MAT 5140

Dpa elastic (mt2)

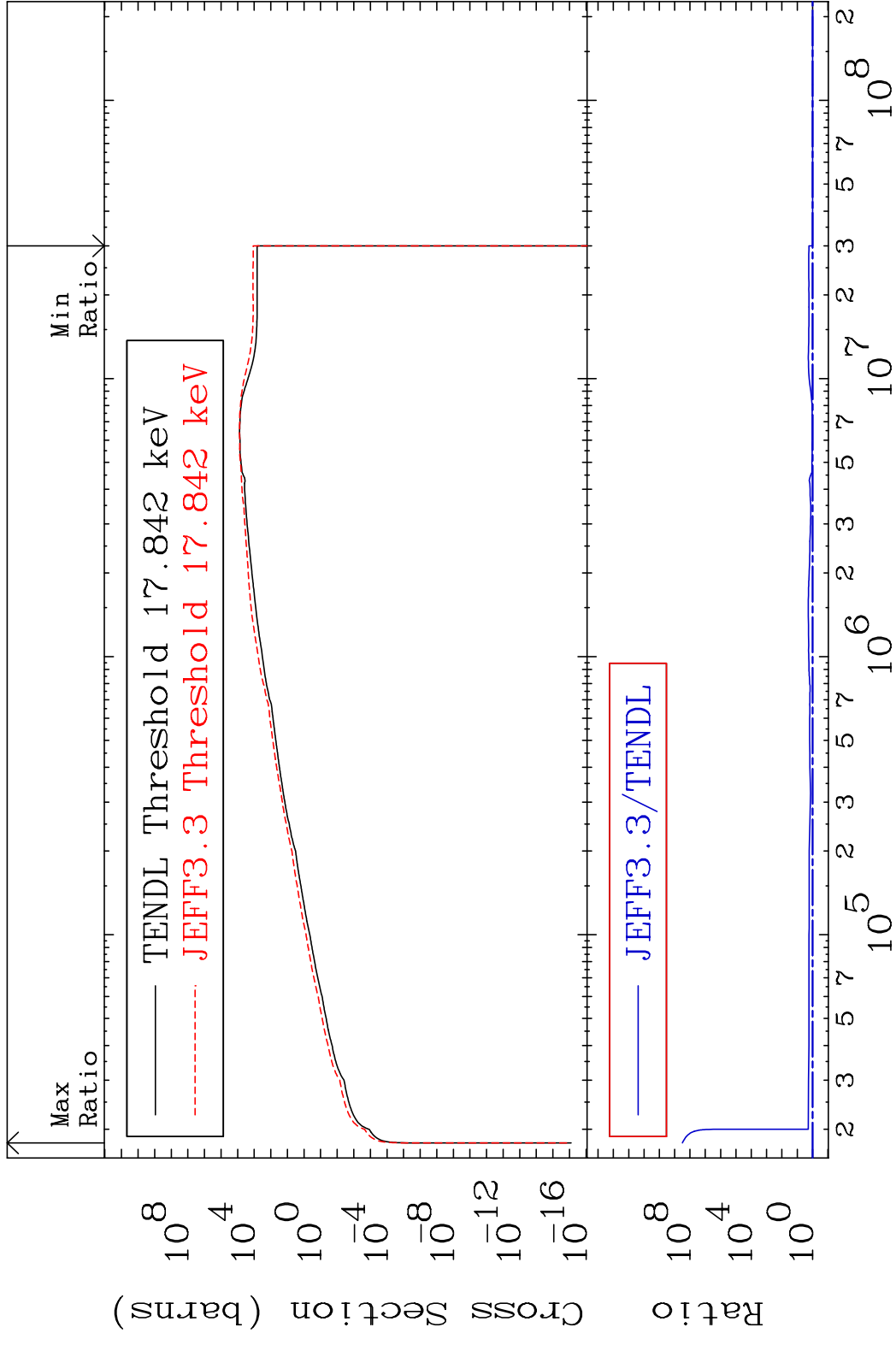
51-Sb-126

Cross Section

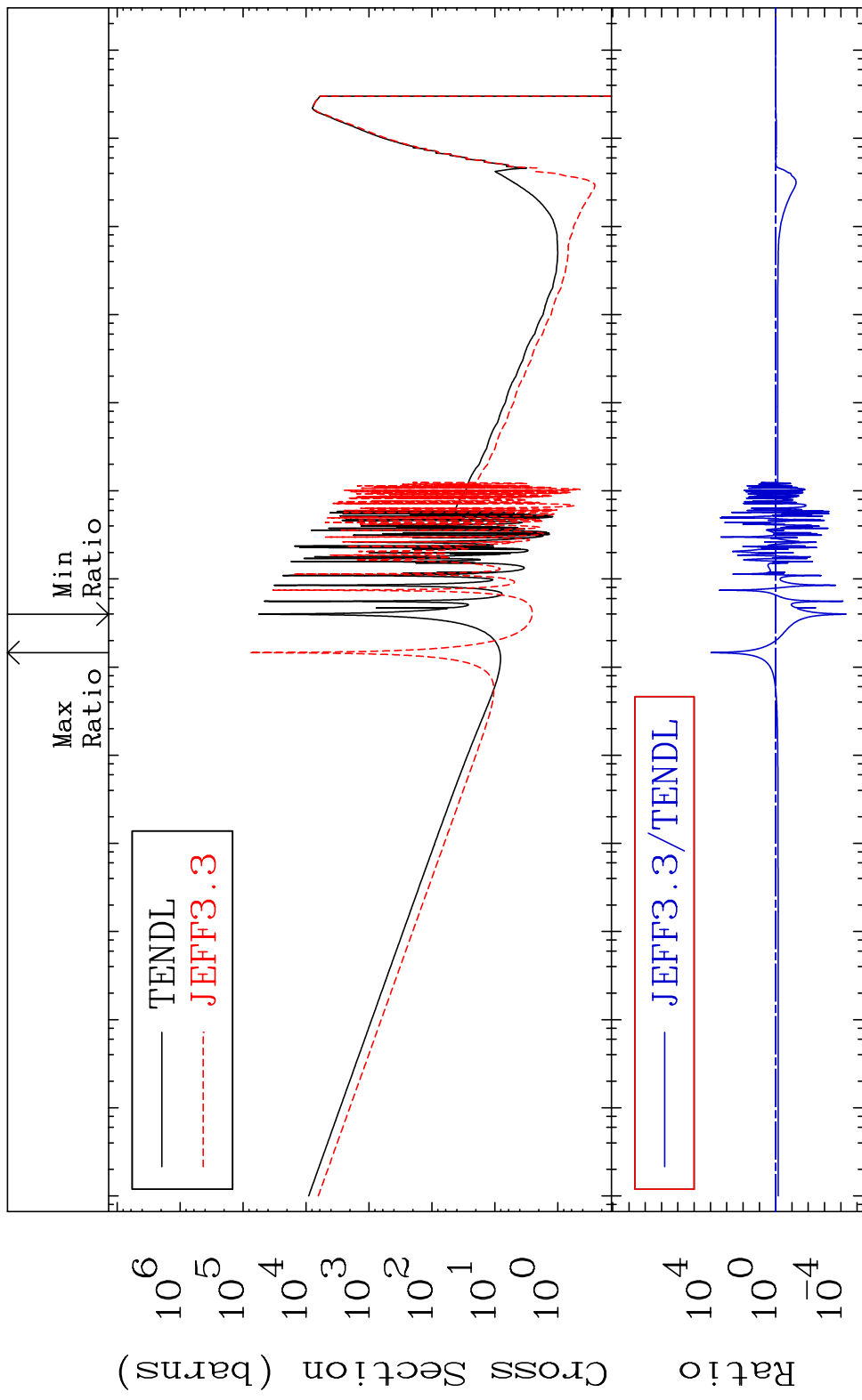
-99.32 To 9999. %

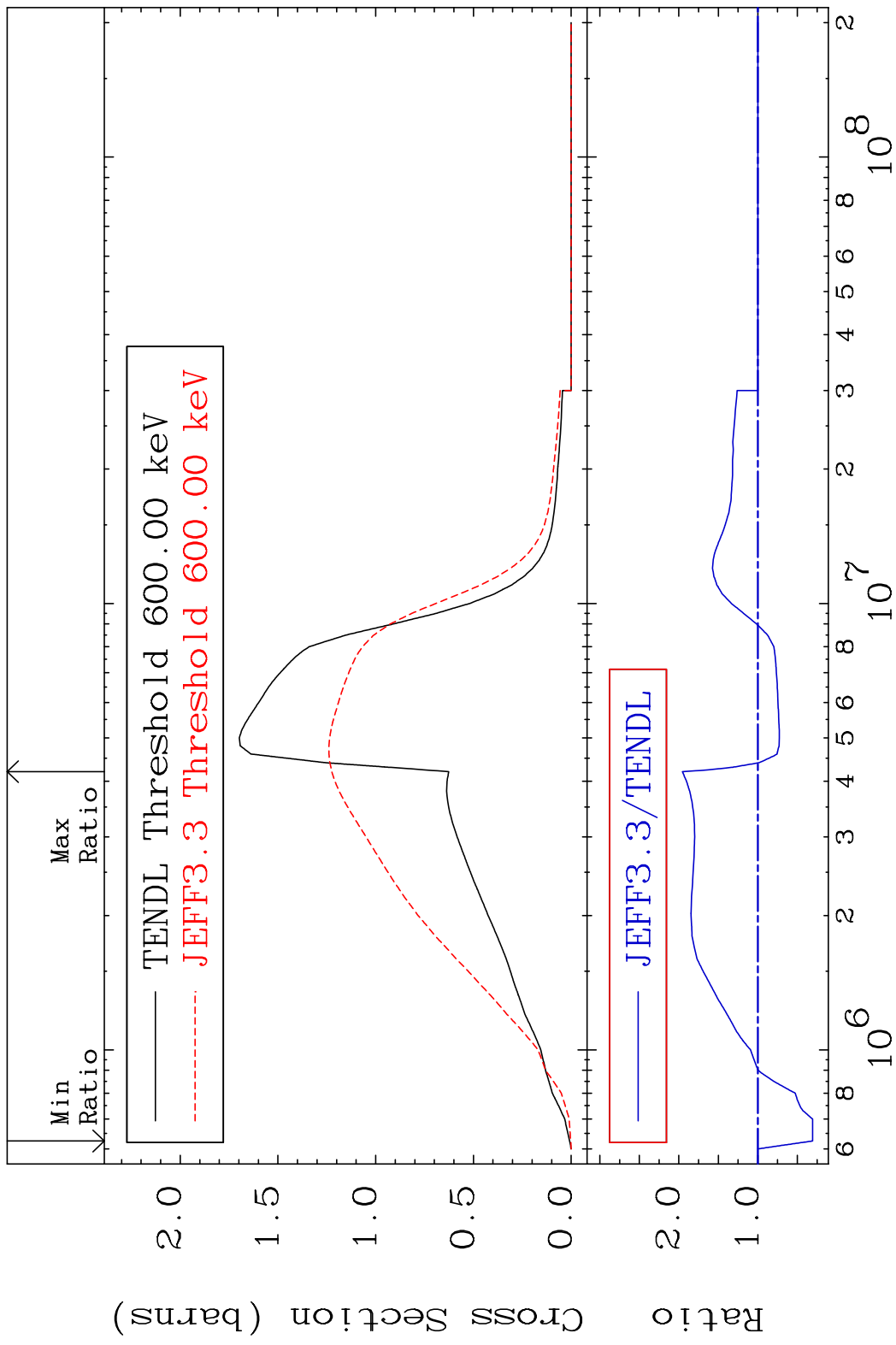


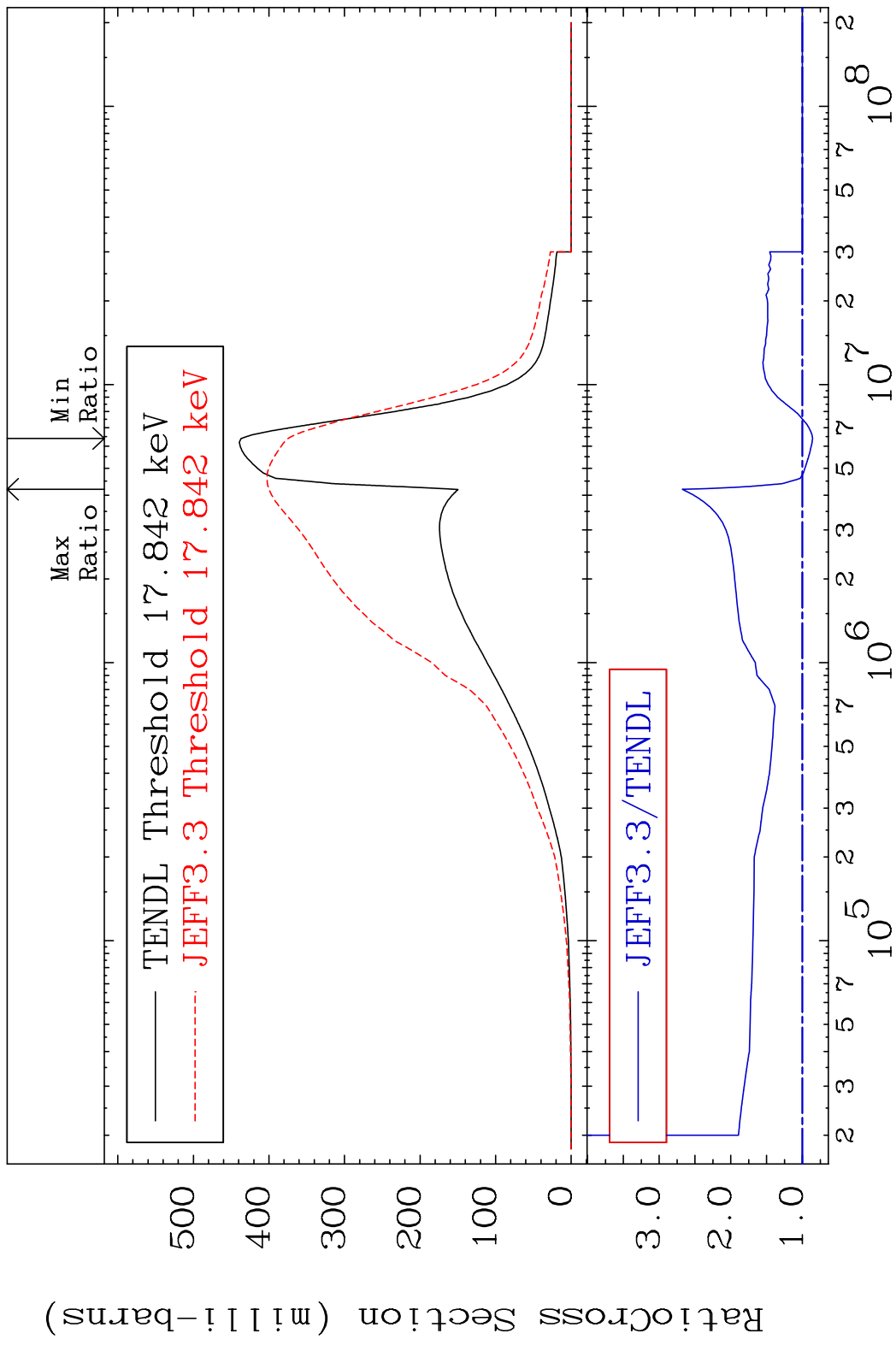
MAT 5140 Dpa inelastic (mt51-91) 51-Sb-126
 Cross Section 0.000 To 9999. %

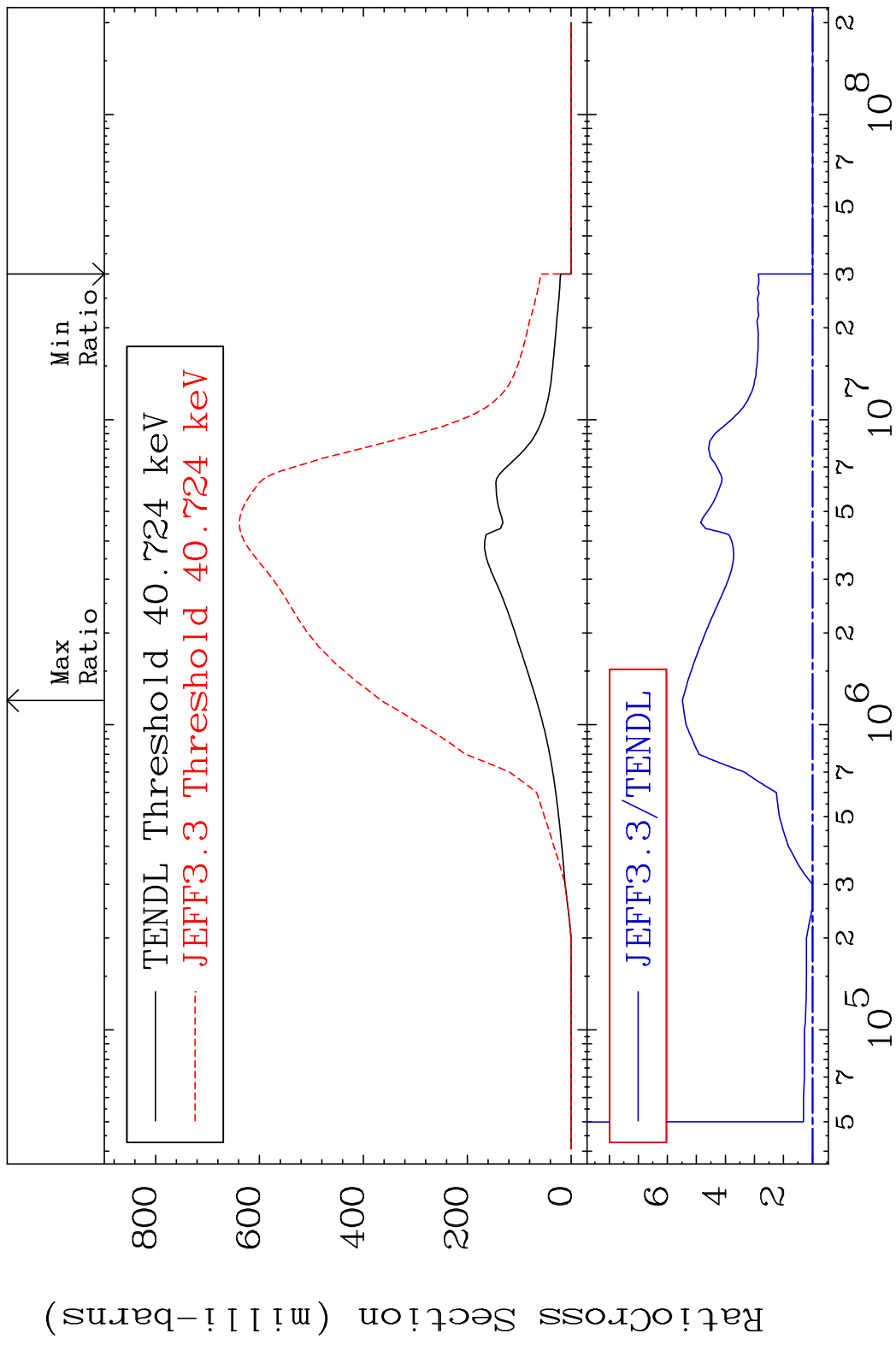


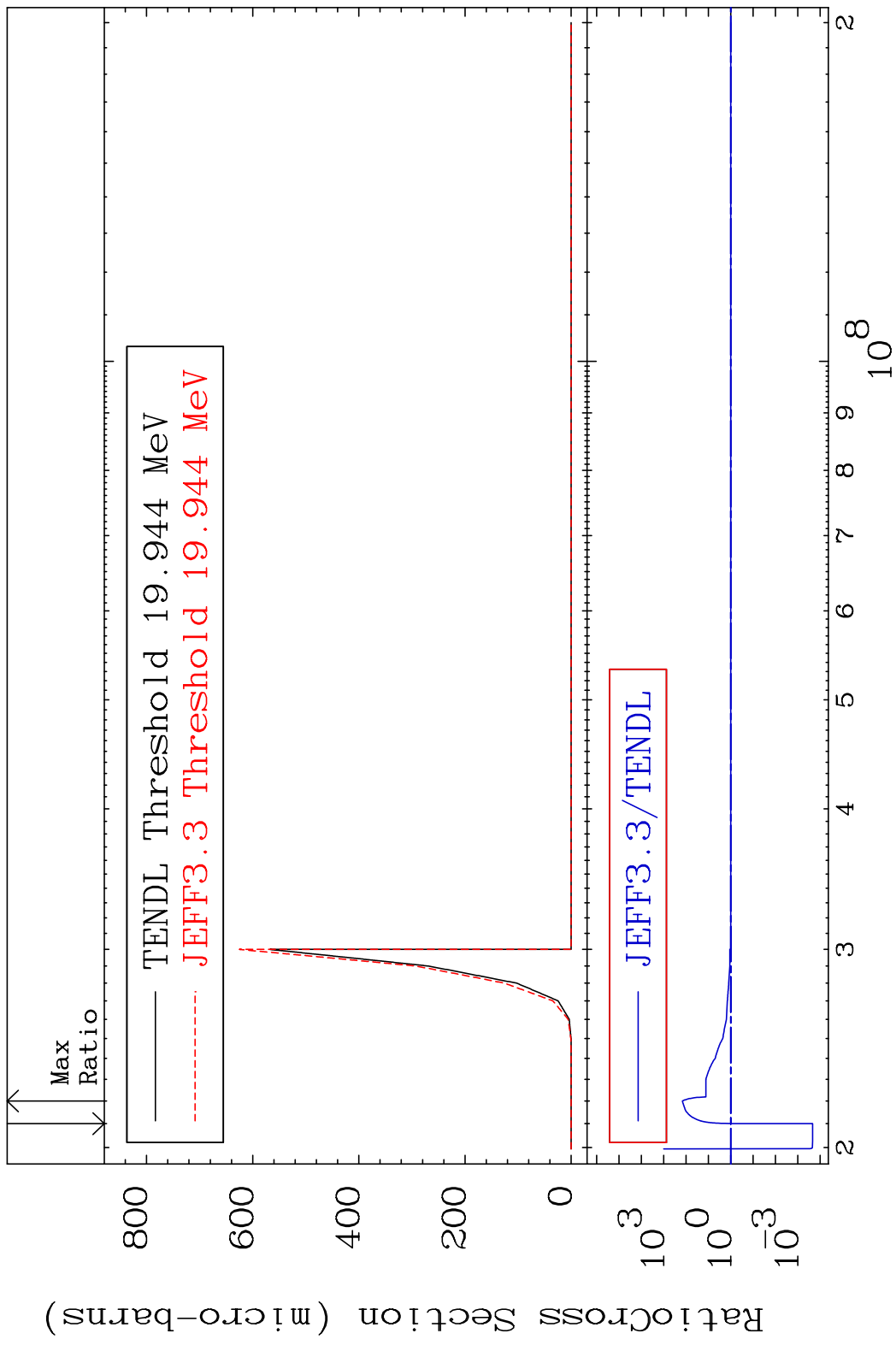
MAT 5140 Dpa disappearance (mt102 -120) 51-Sb-126
 Cross Section -100.0 To 9999. %



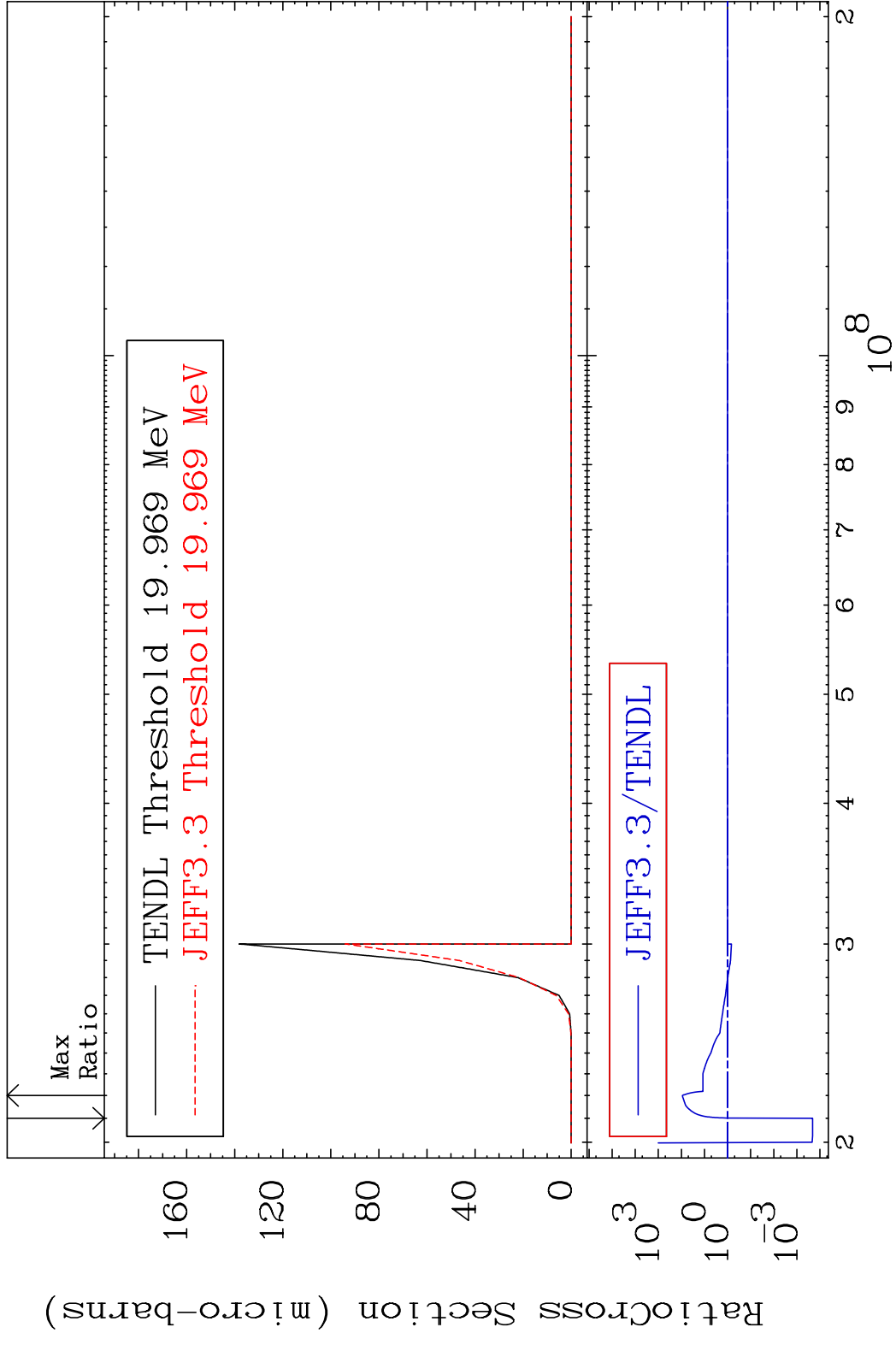


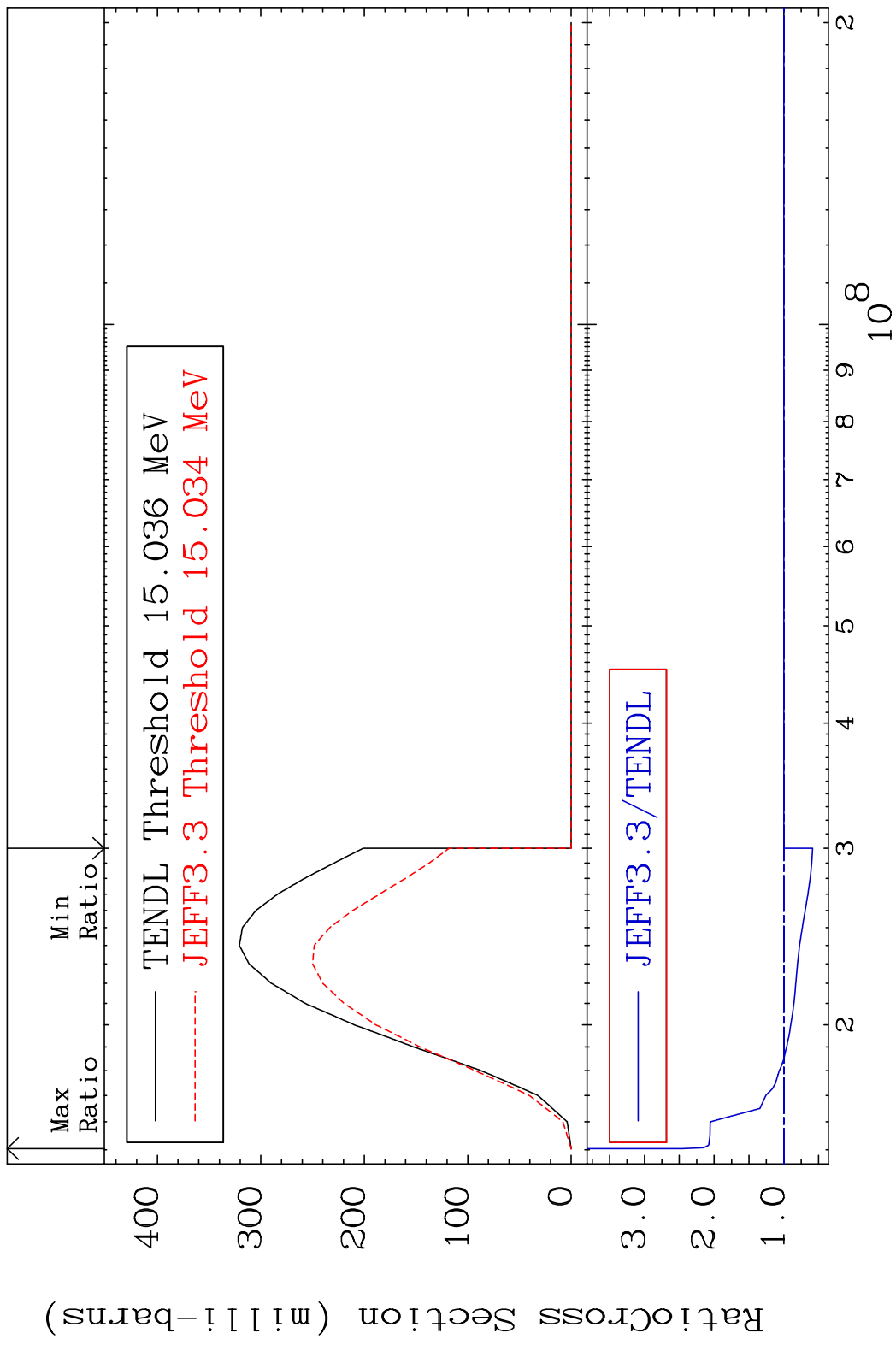


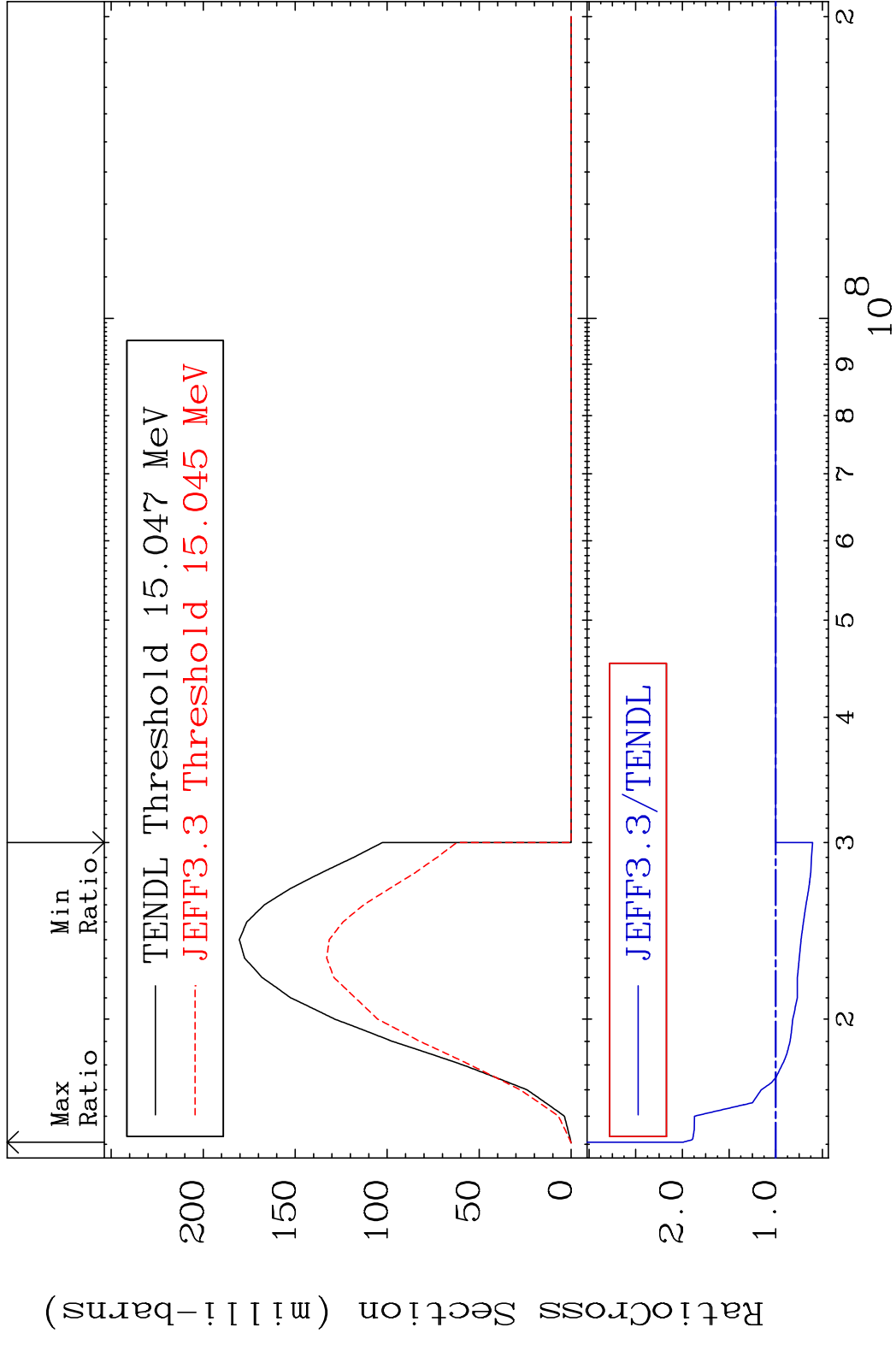


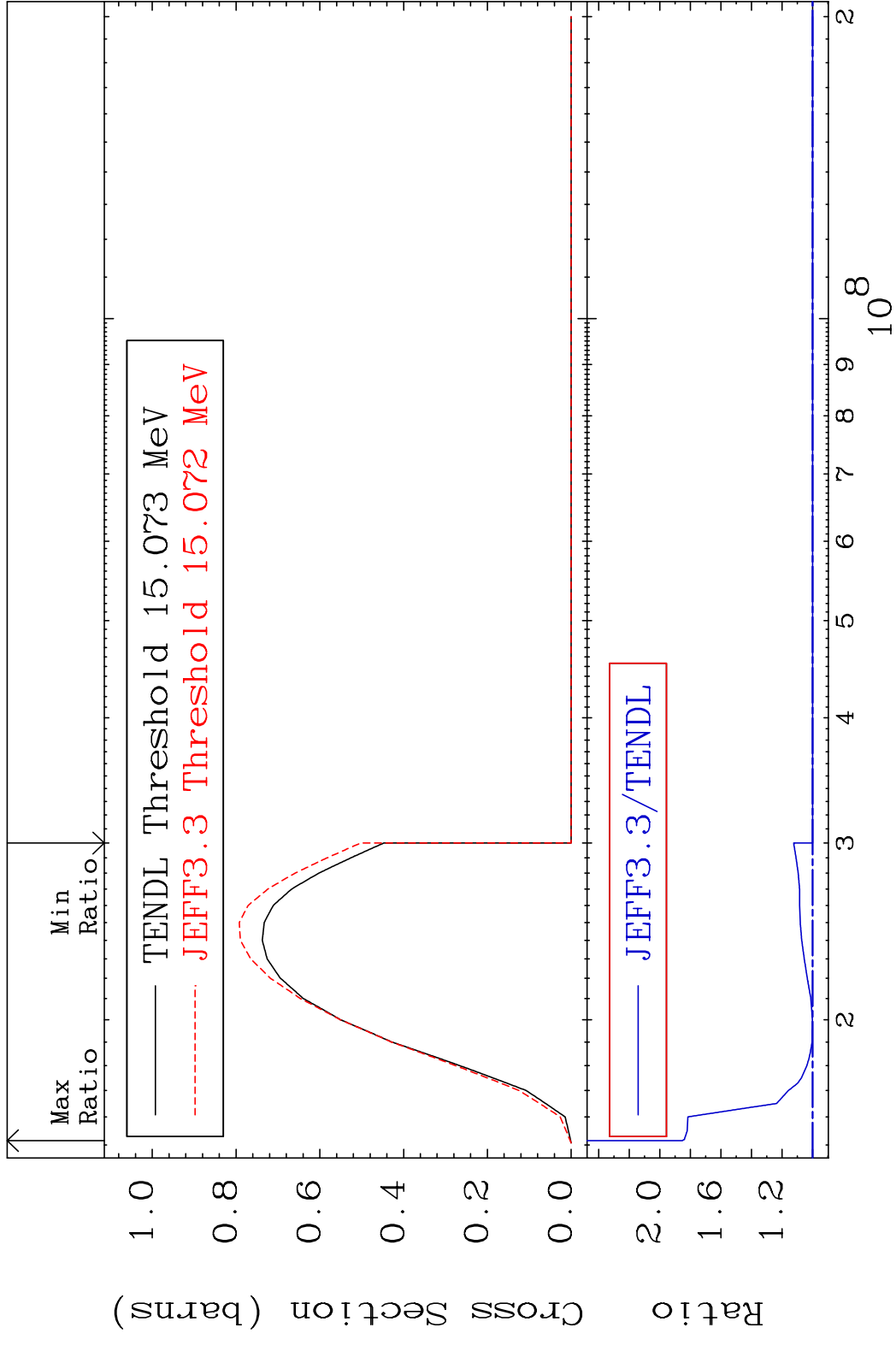


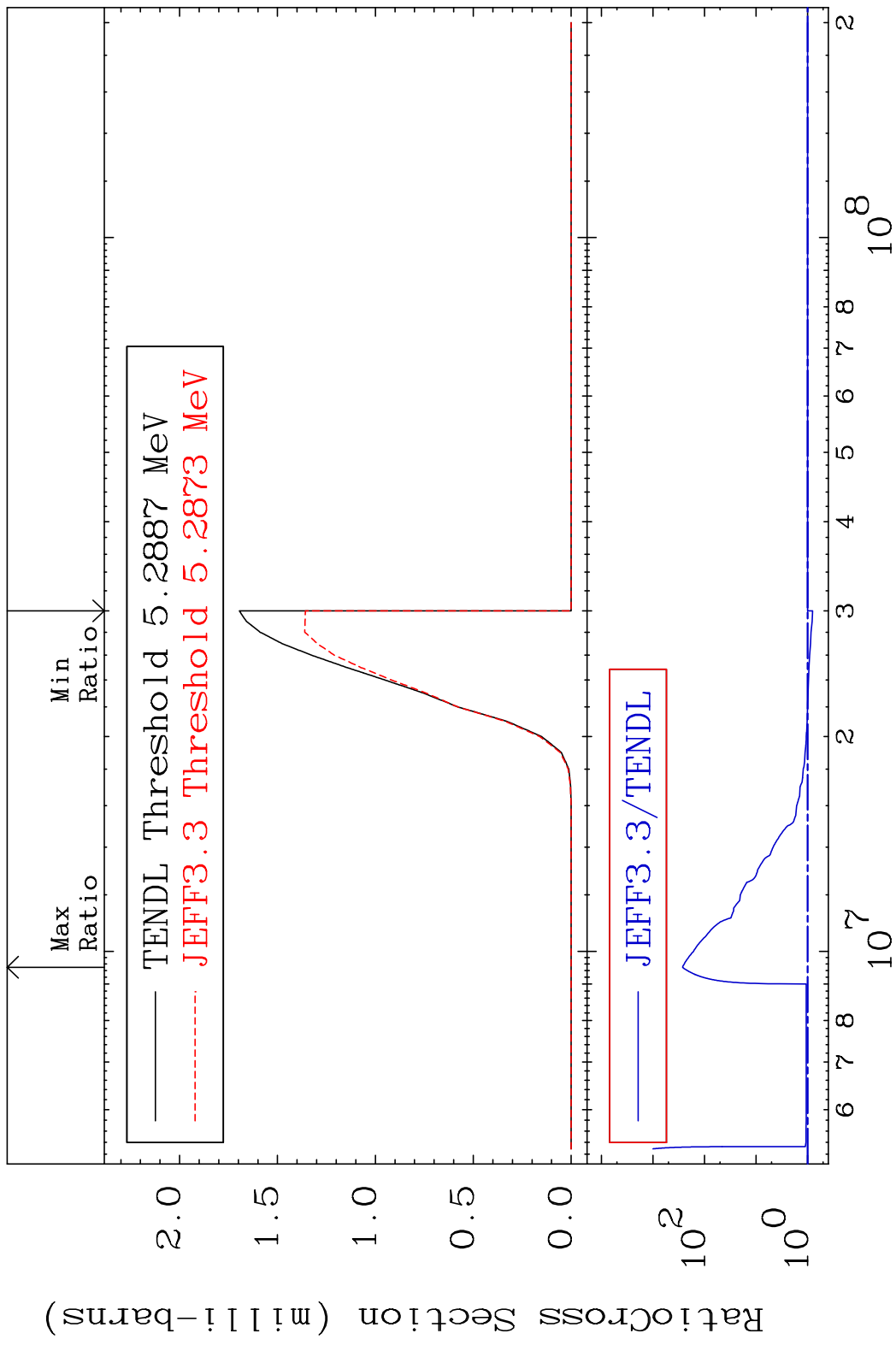
MAT 5140 (n,2n) d:50-Sn-123m1 51-Sb-126
 Radionuclide Production Cross Section 980981 d10 9002. %

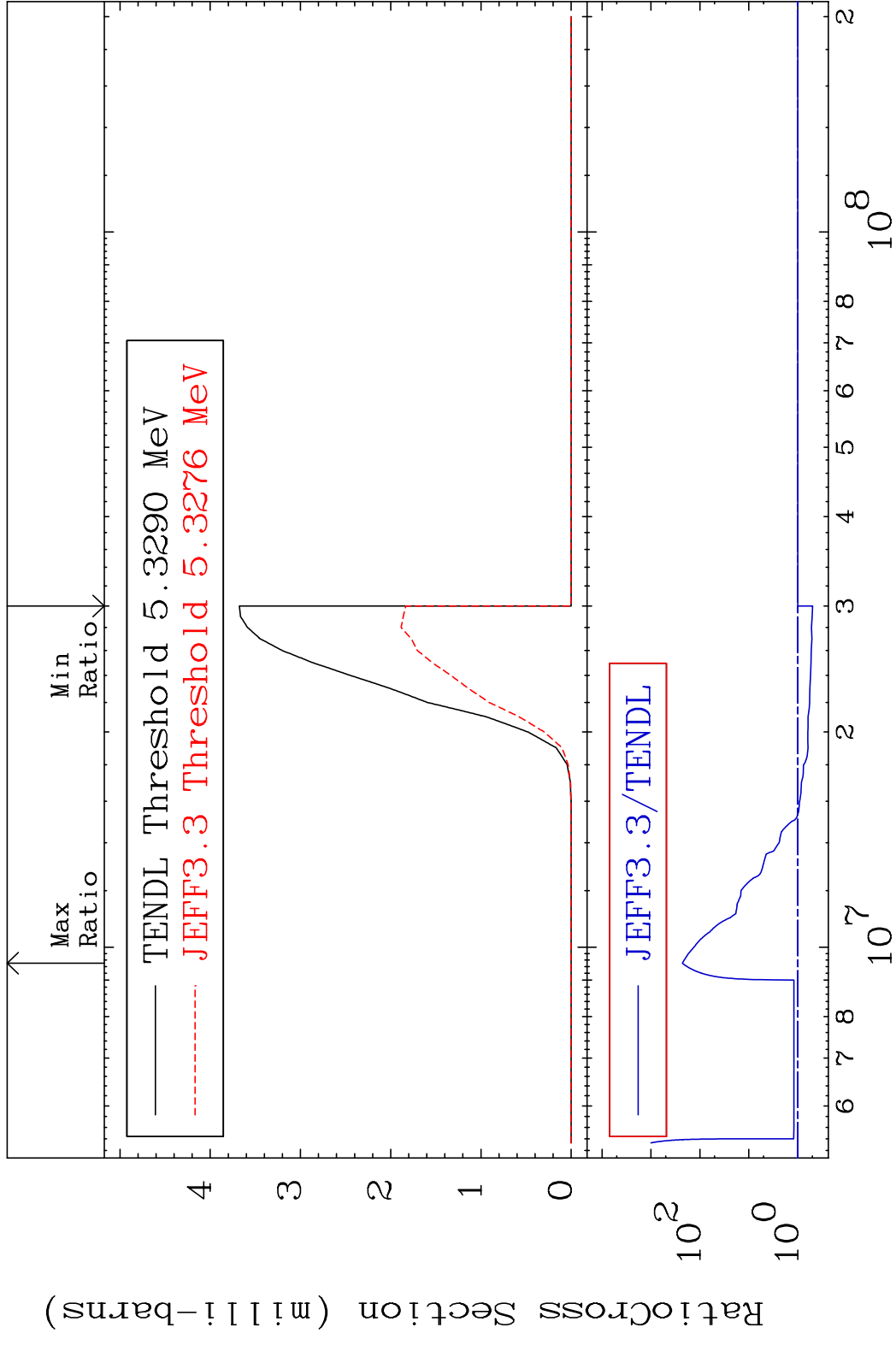


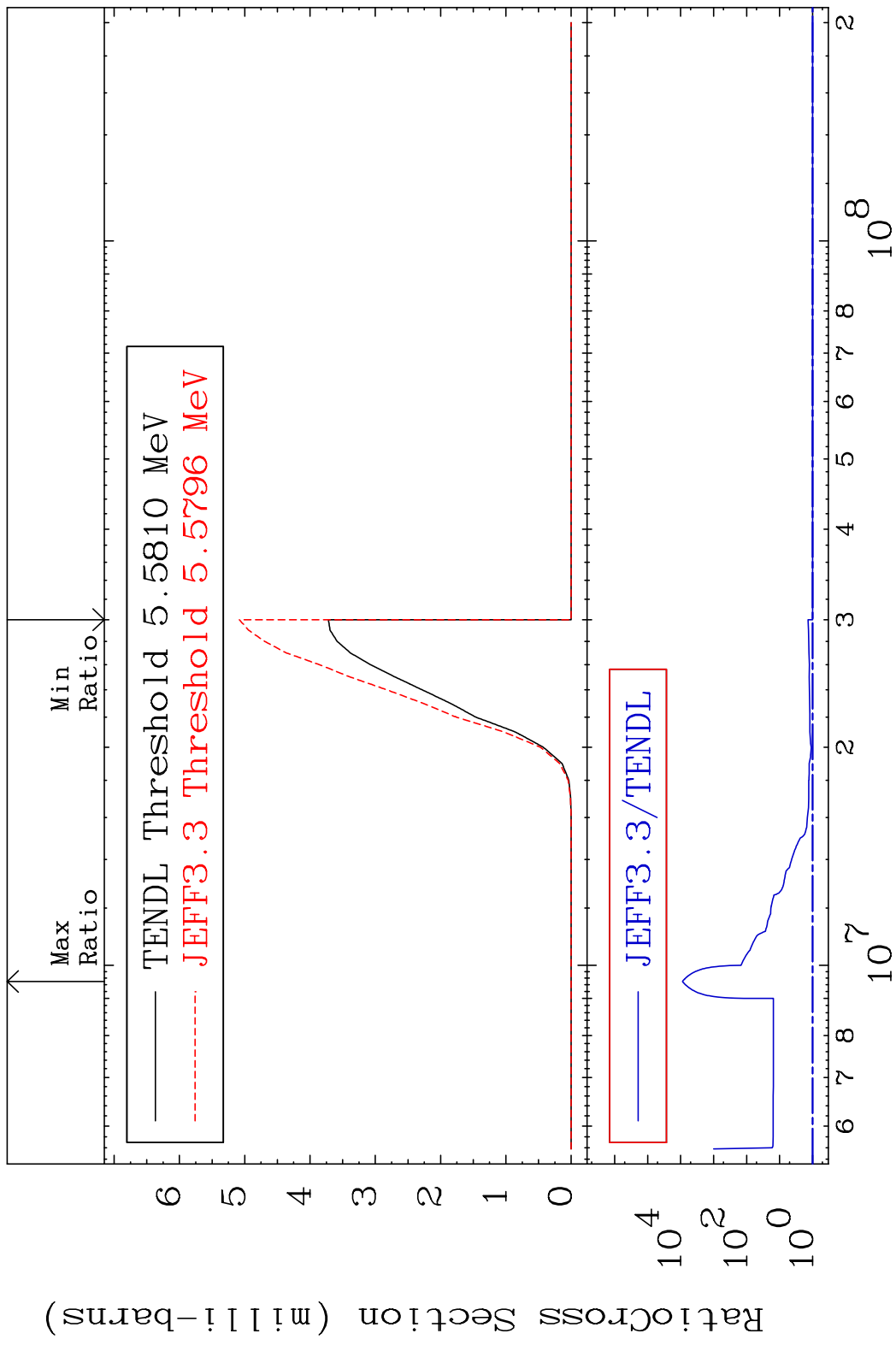


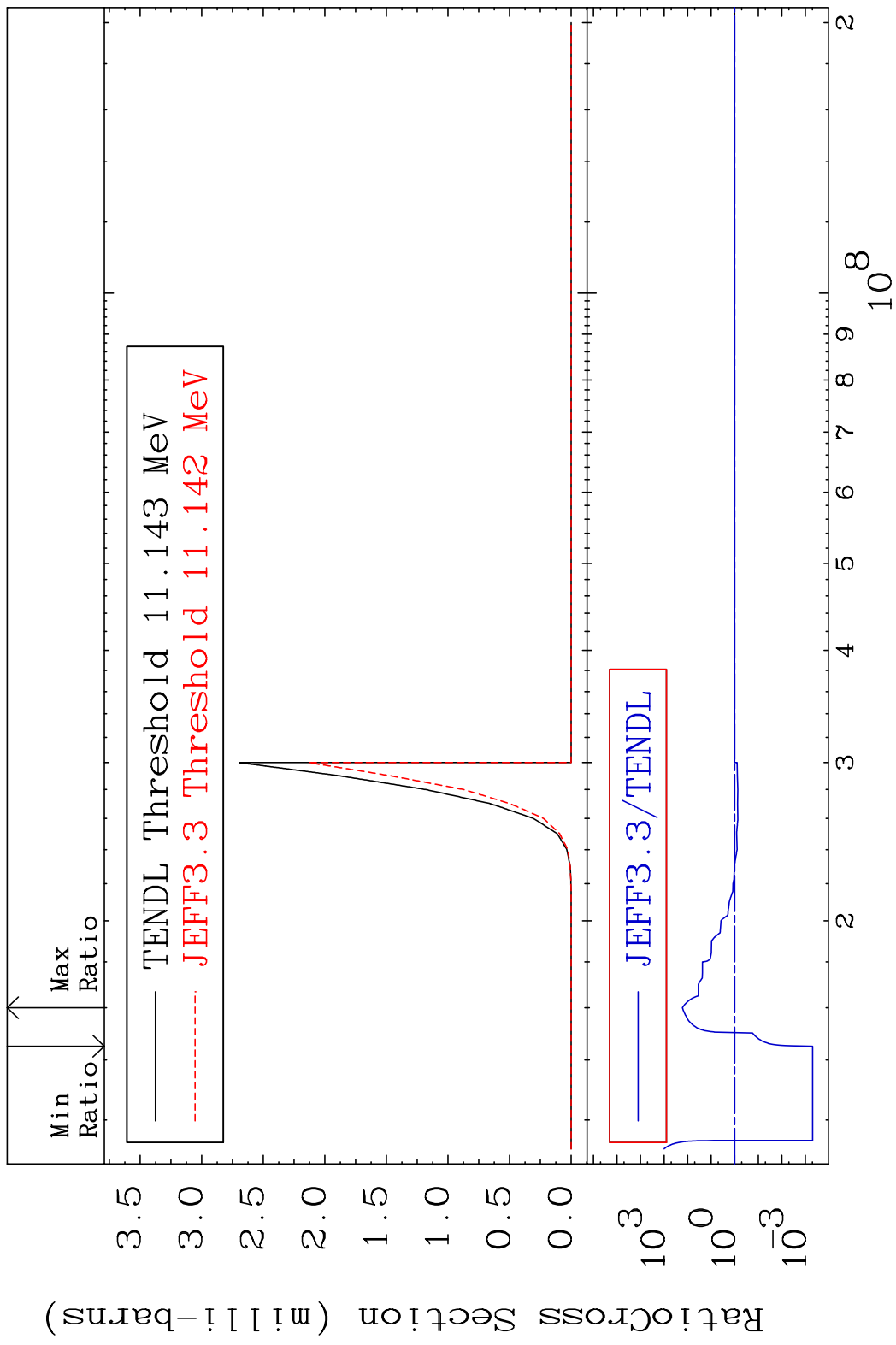


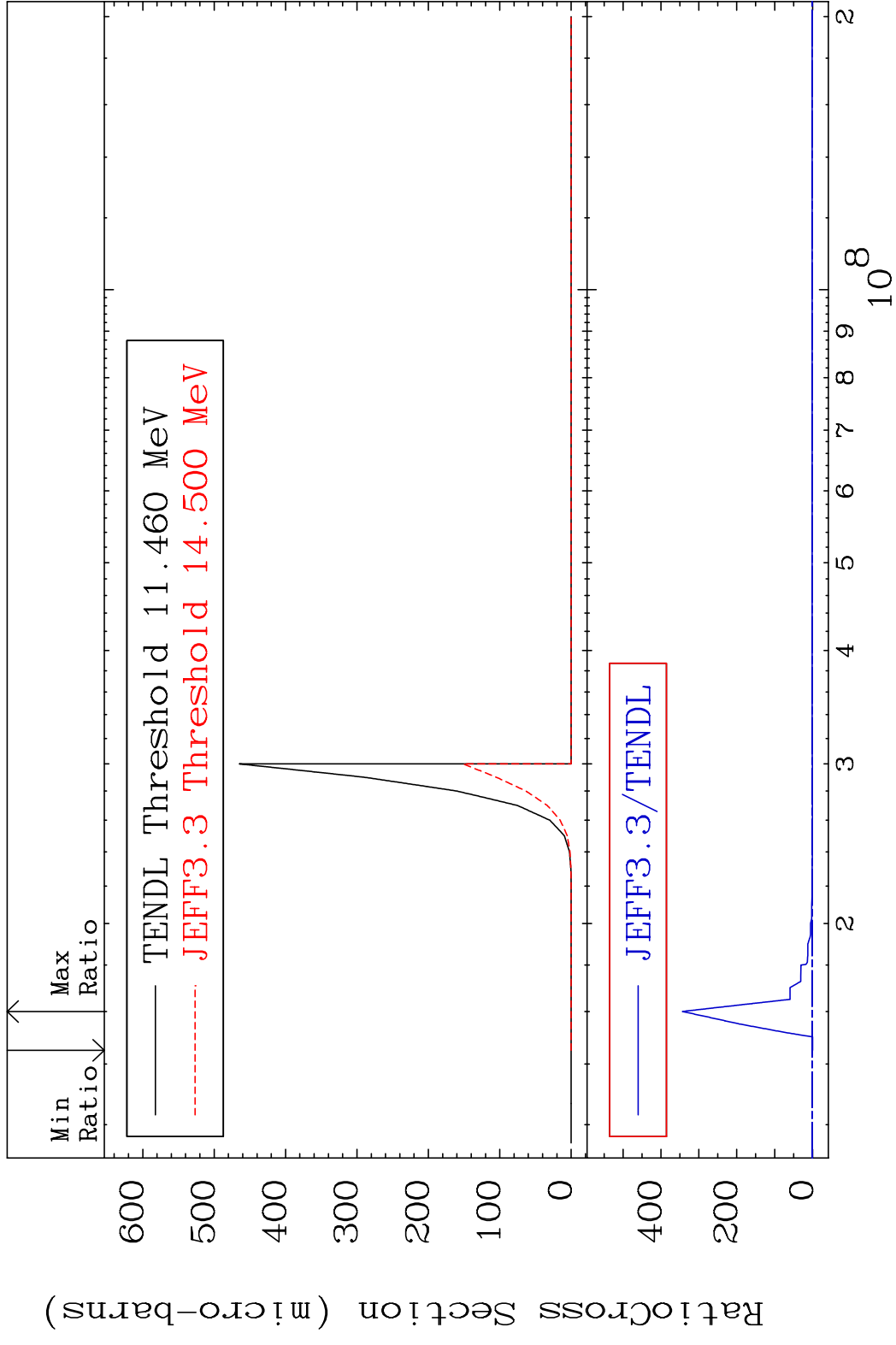


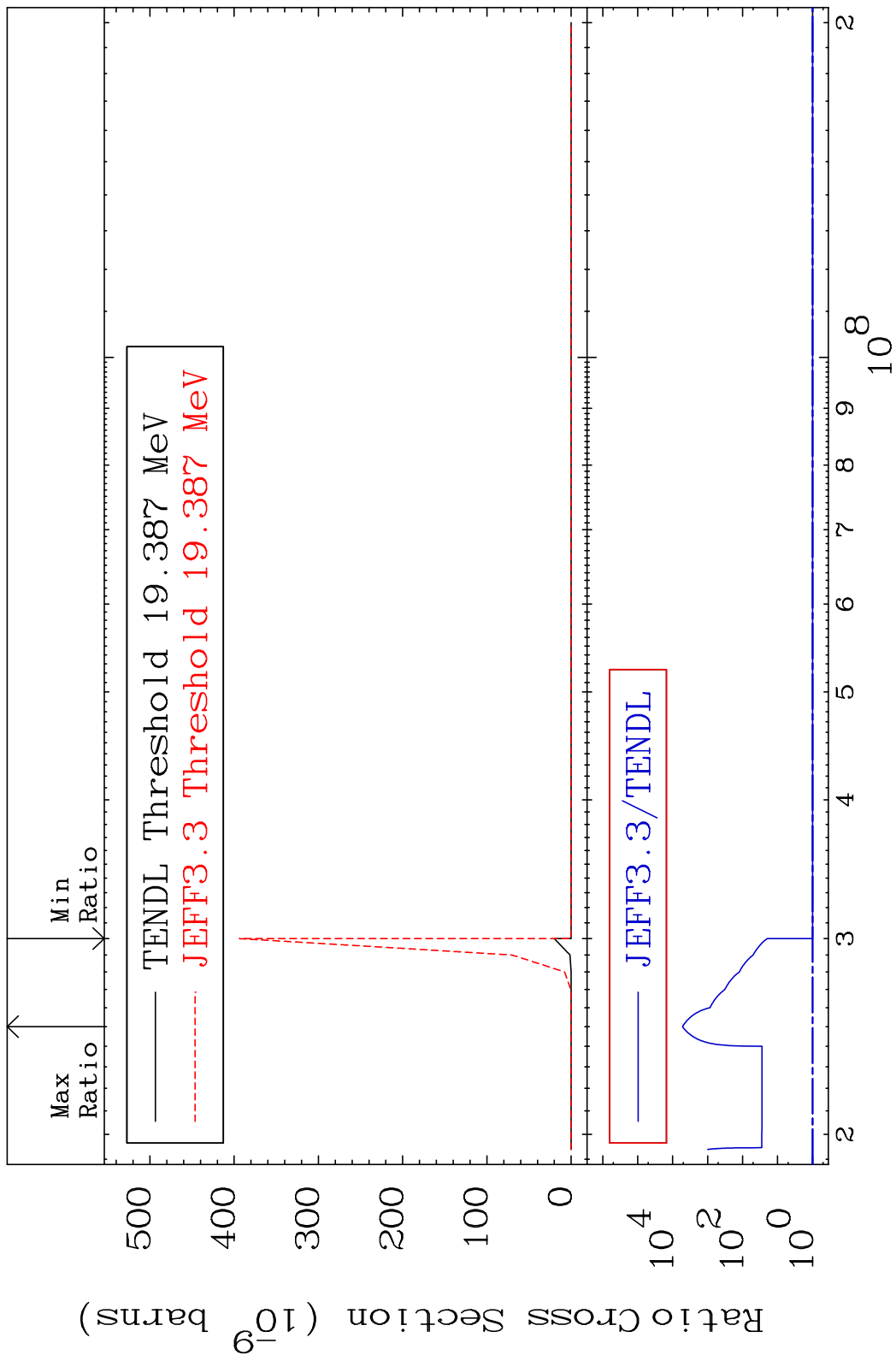




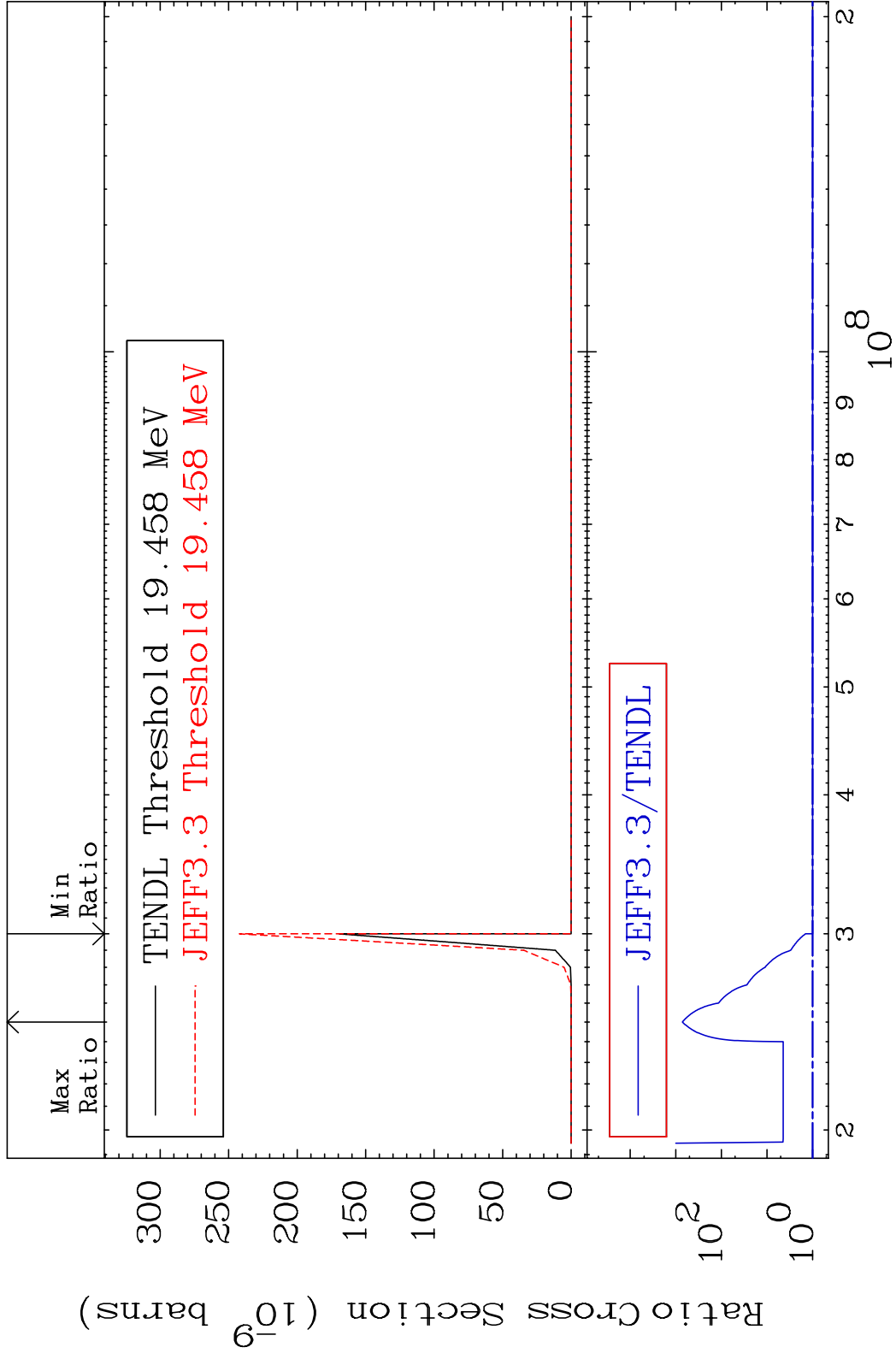


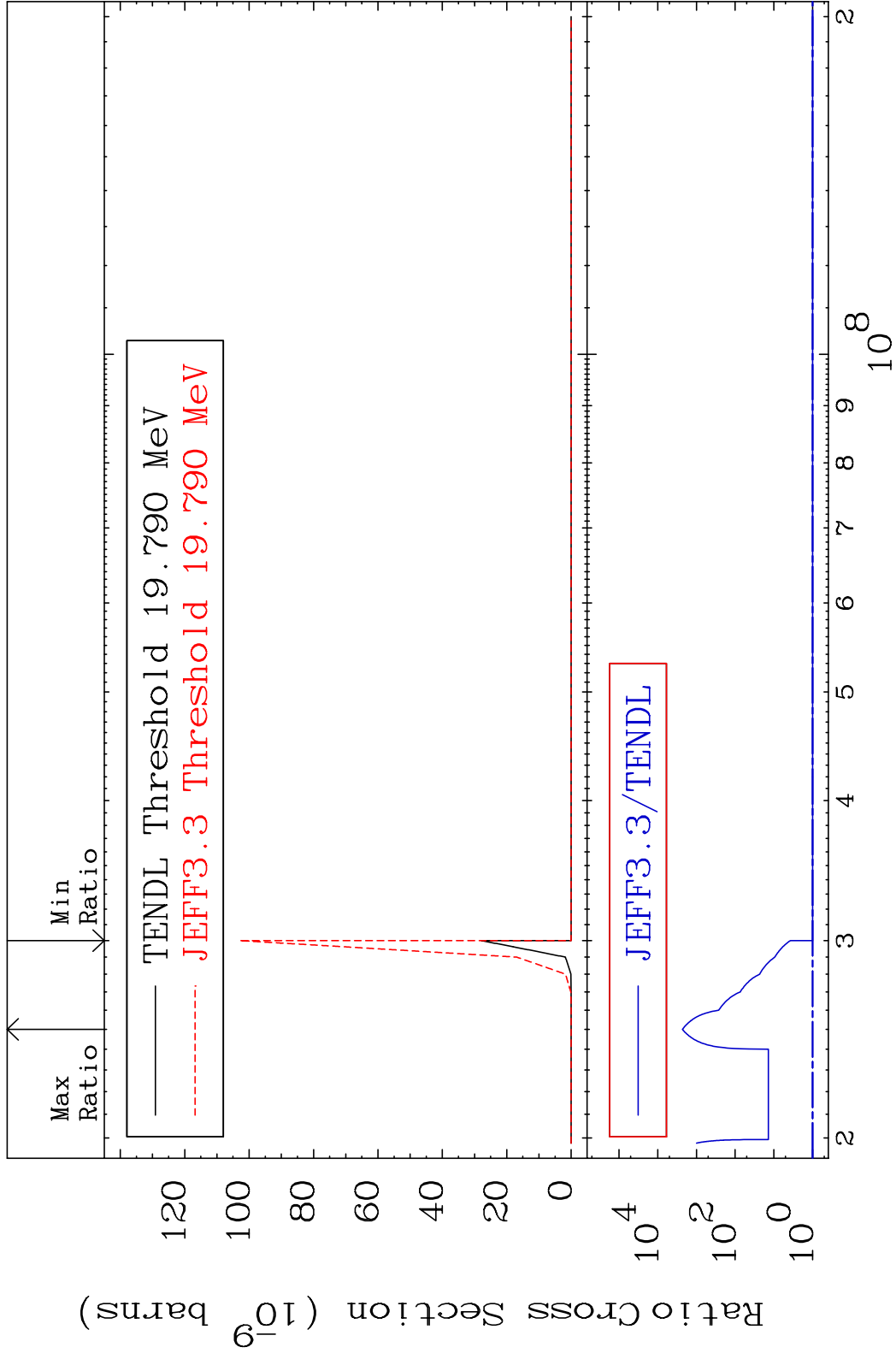




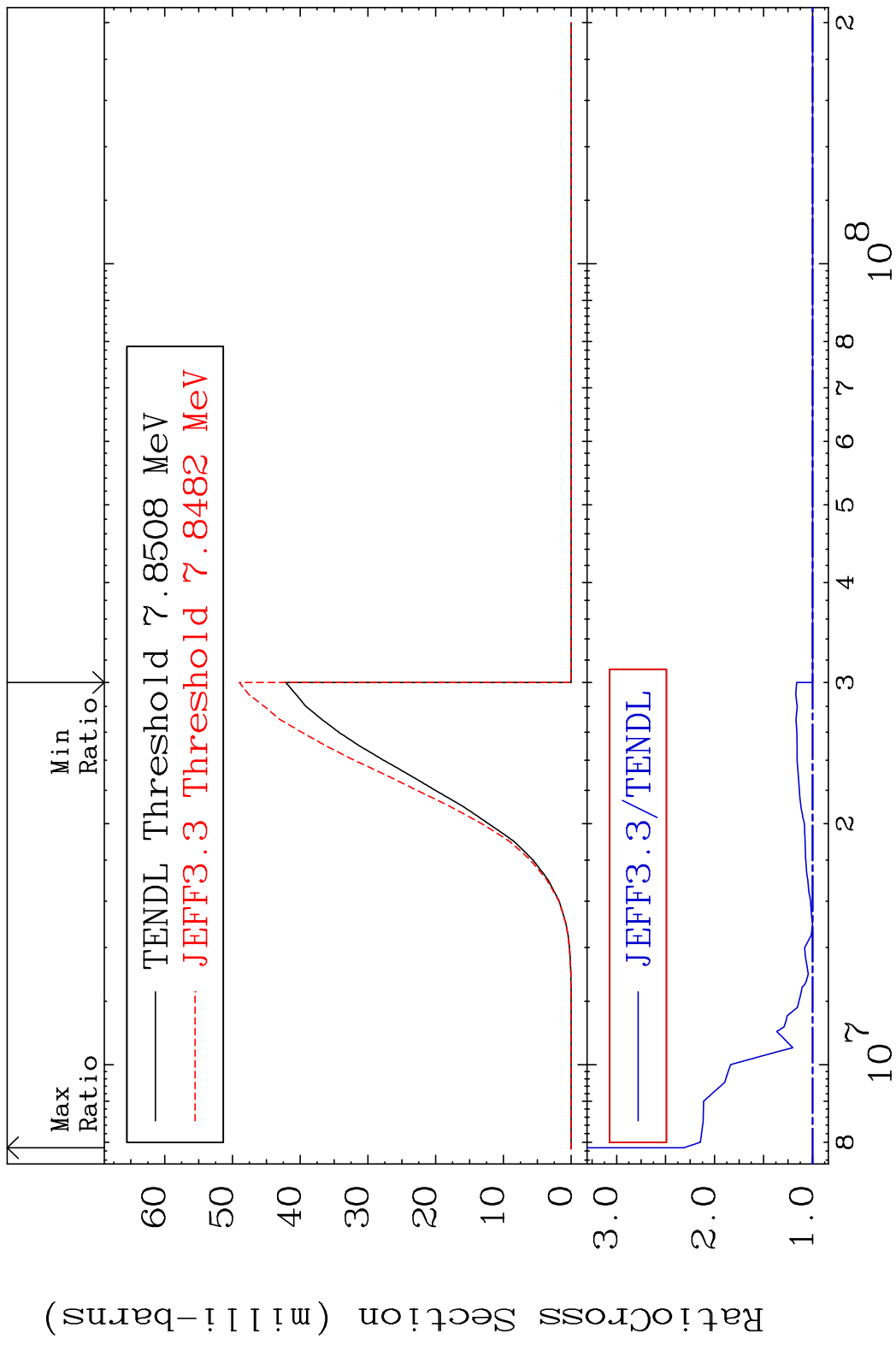


MAT 5140 (n,3n) α :49-In-120m1 51-Sb-126
 Radionuclide Production Cross Section, %

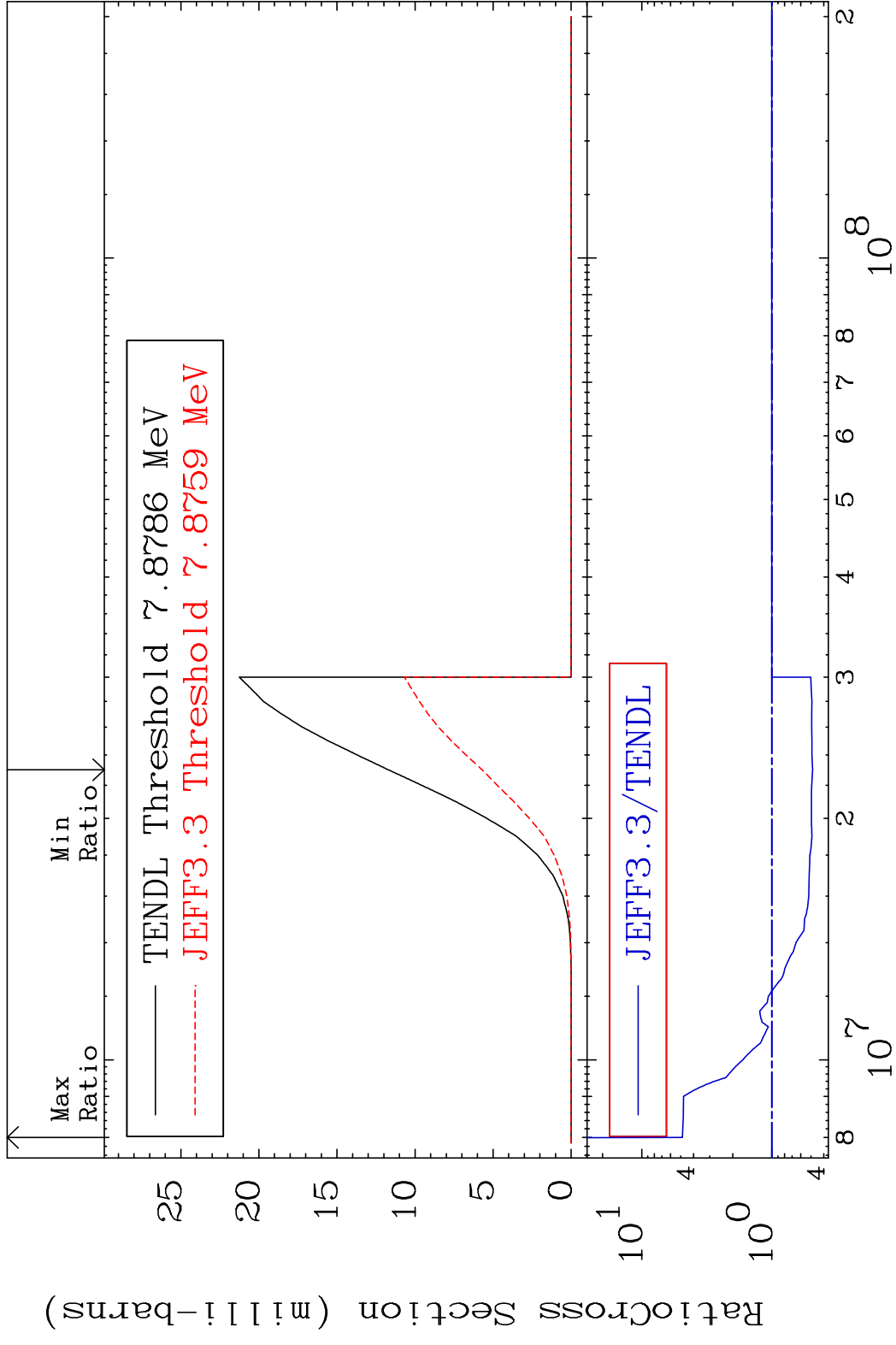


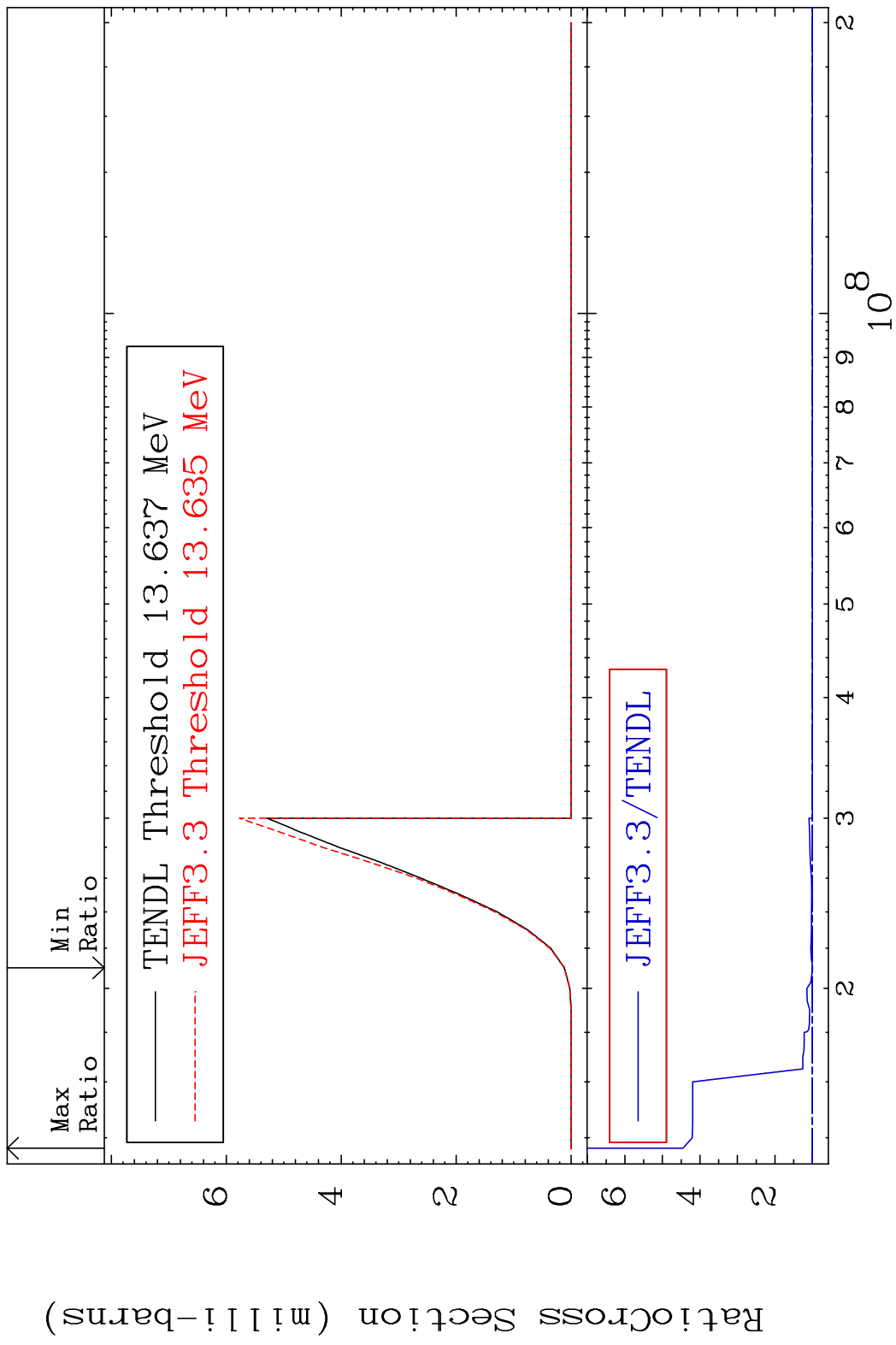


MAT 5140 (n, n') p:50-Sn-125g 51-Sb-126
 Radionuclide Production Cross Section 132.9 %

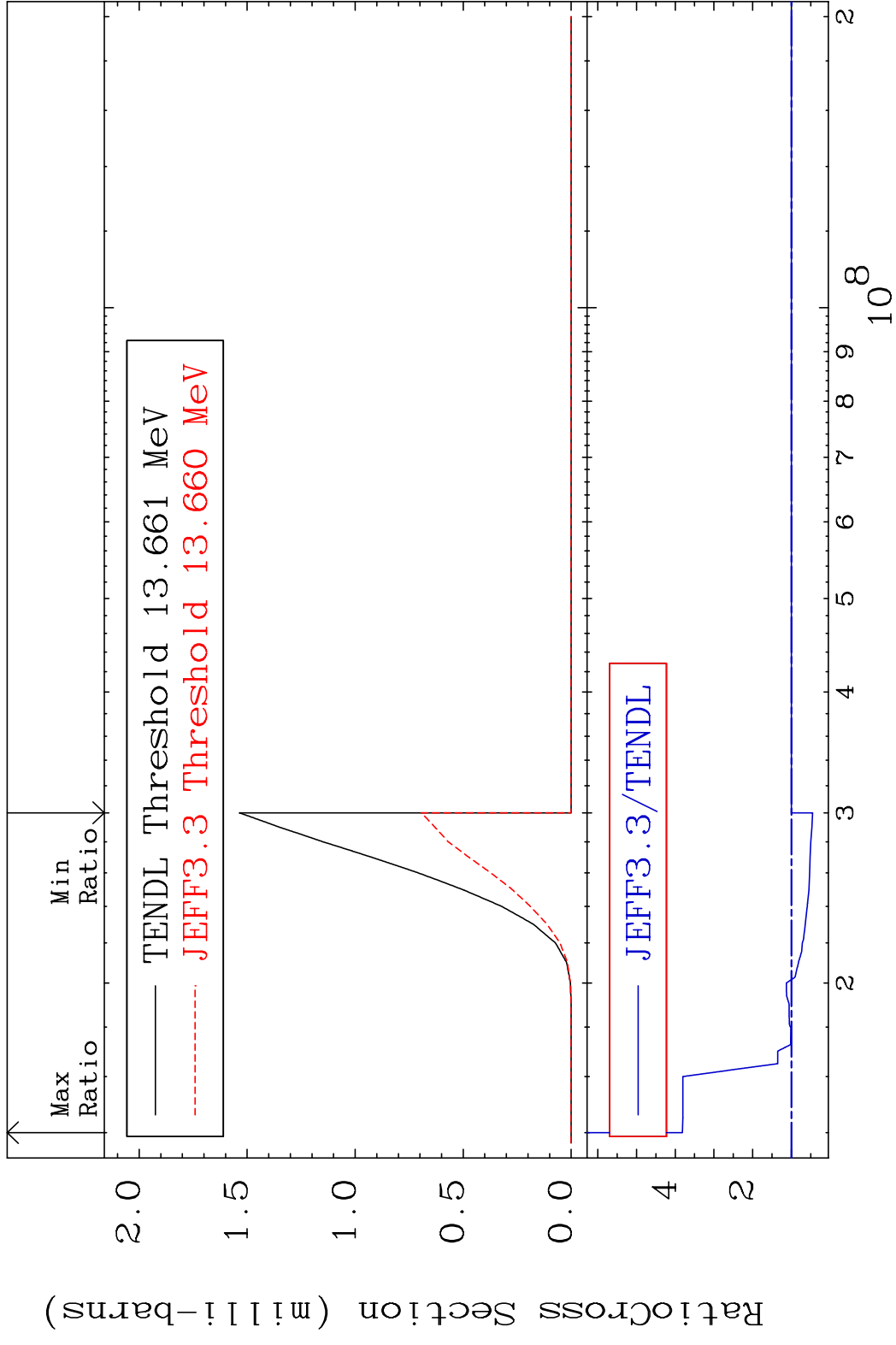


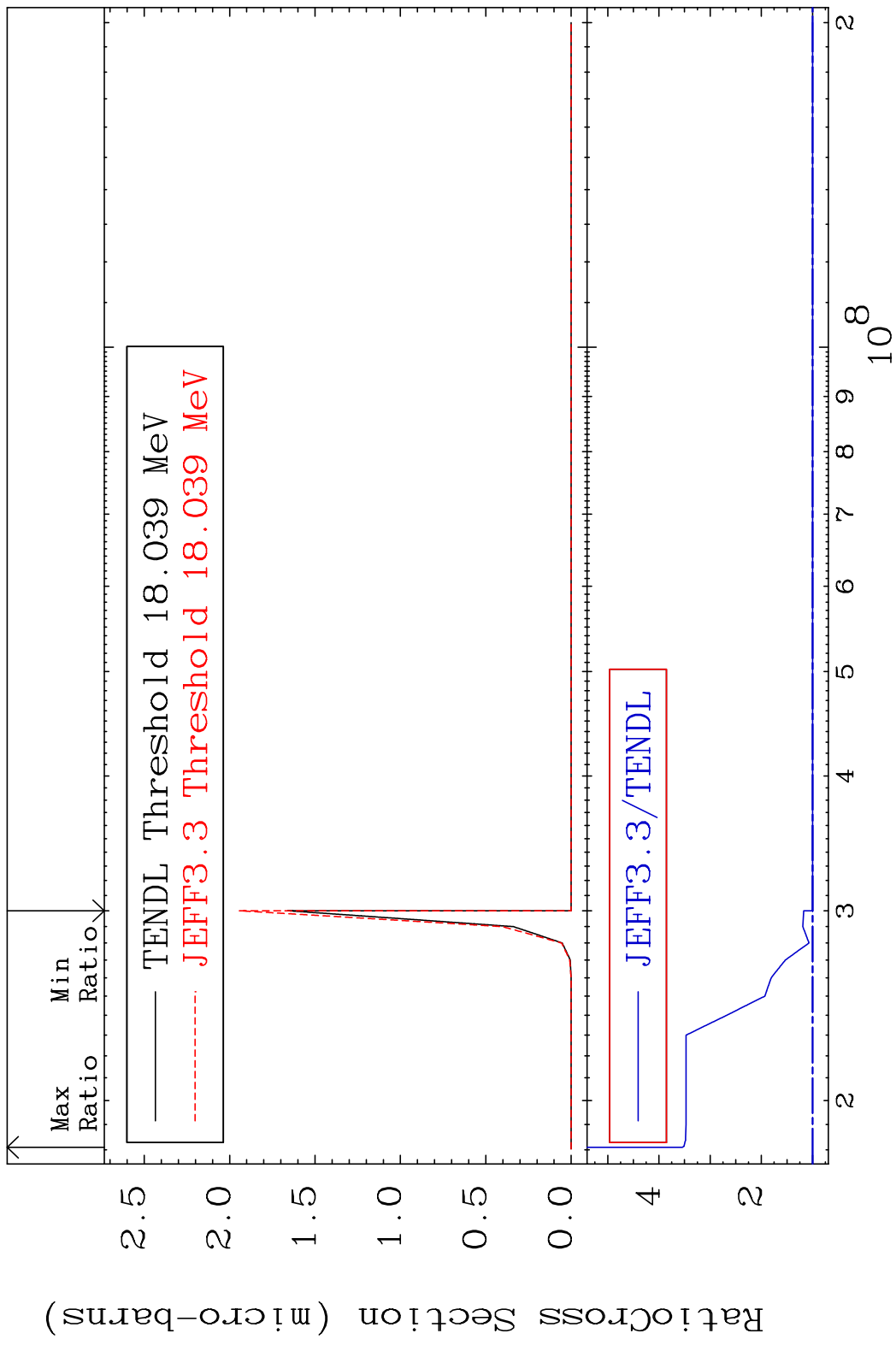
MAT 5140 (n, n') p:50-Sn-125m1 51-Sb-126
 Radionuclide Production Cross Section 387.2 %

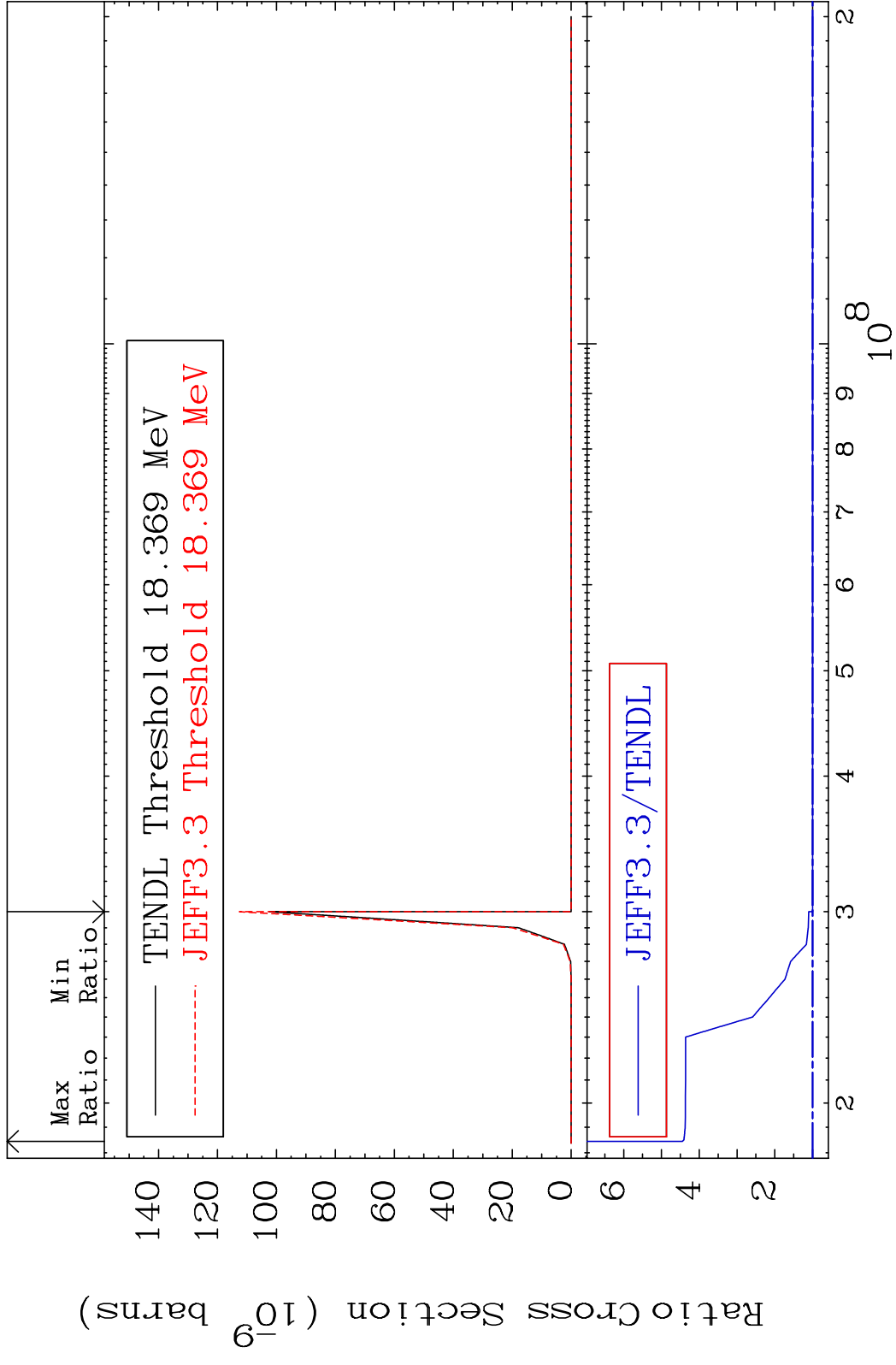


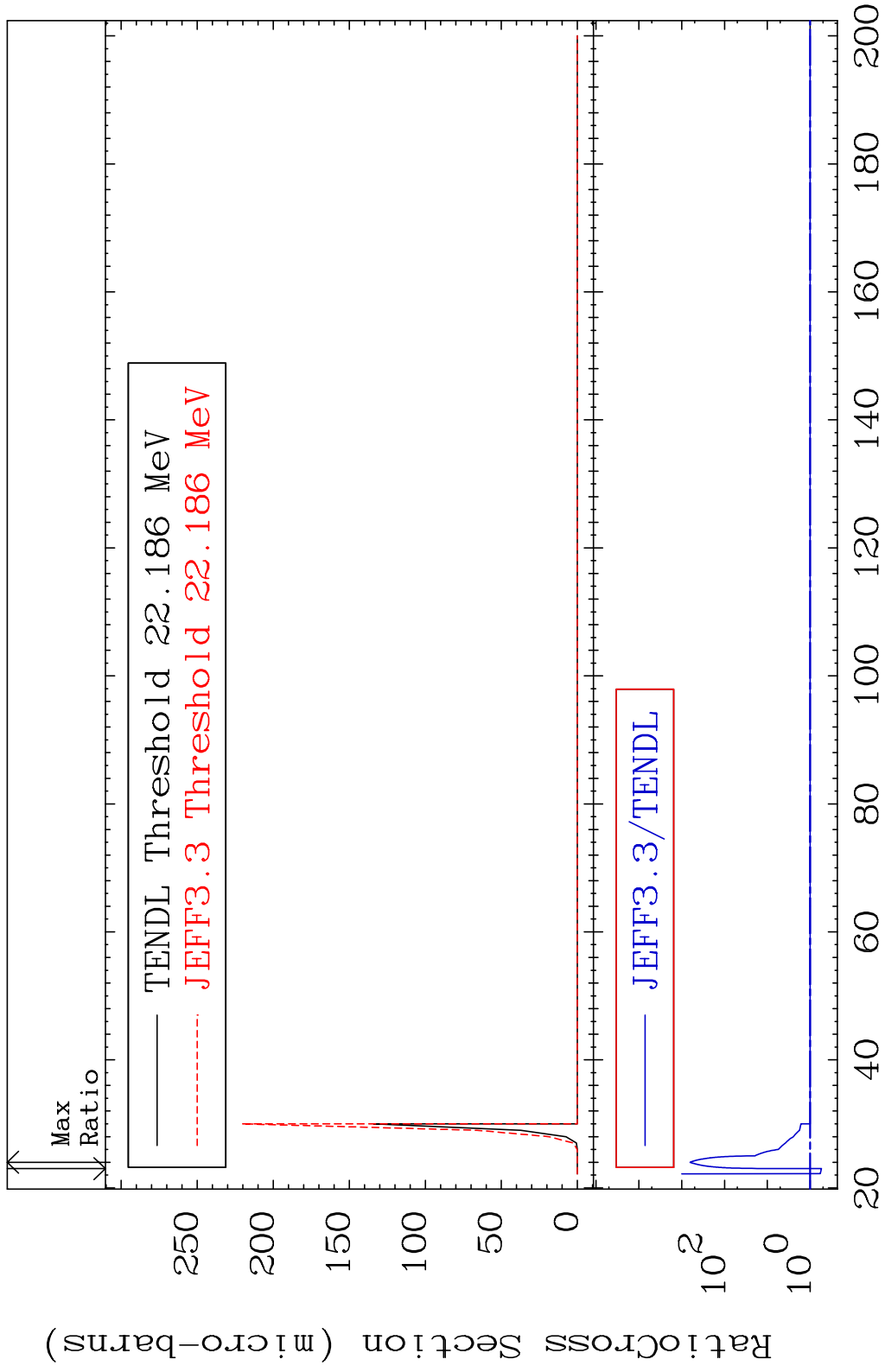


MAT 5140 (n, n') t:50-Sn-123m1 51-Sb-126
 Radionuclide Production Cross Section 51-Sb-126 281.5 %

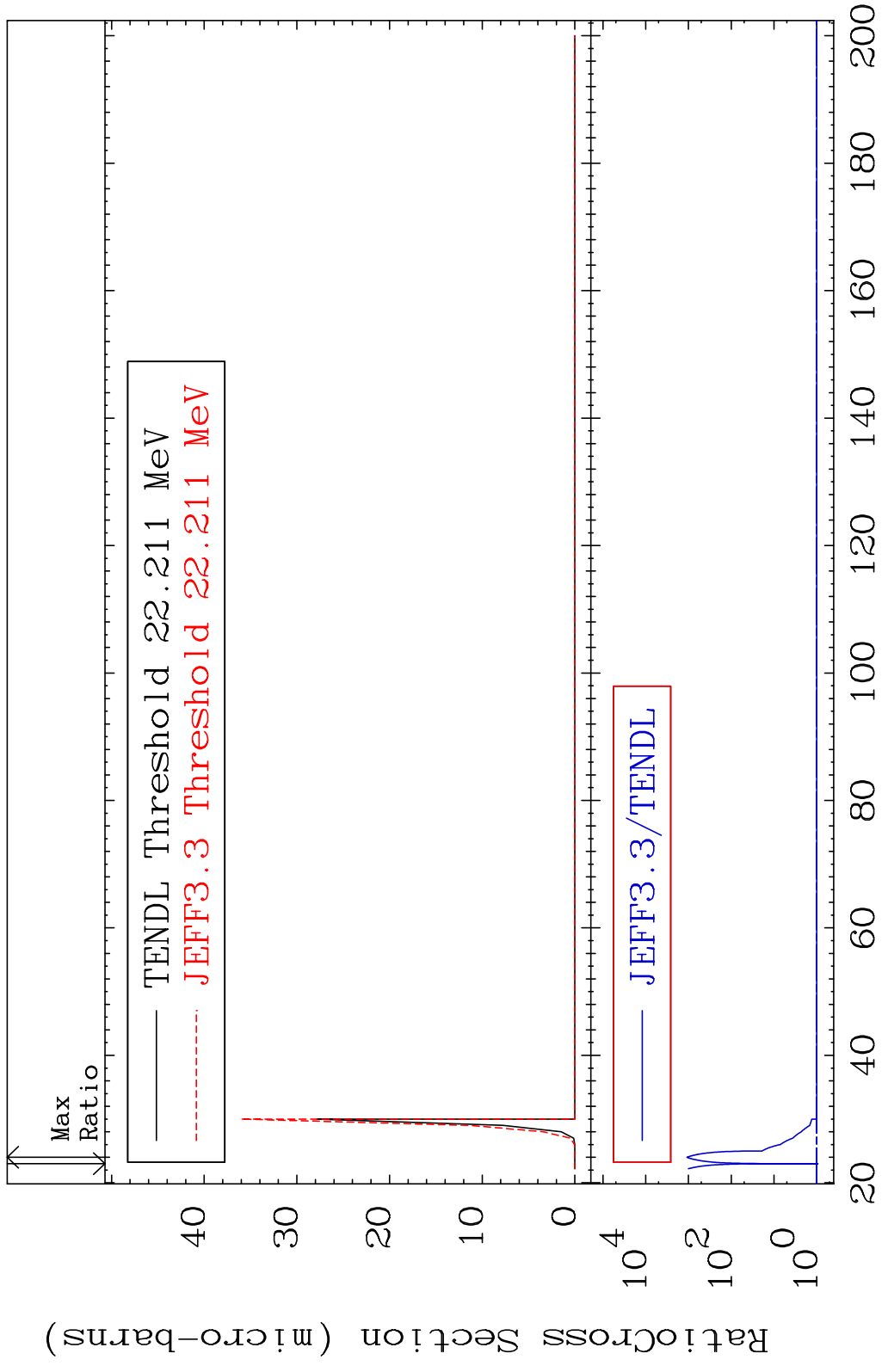


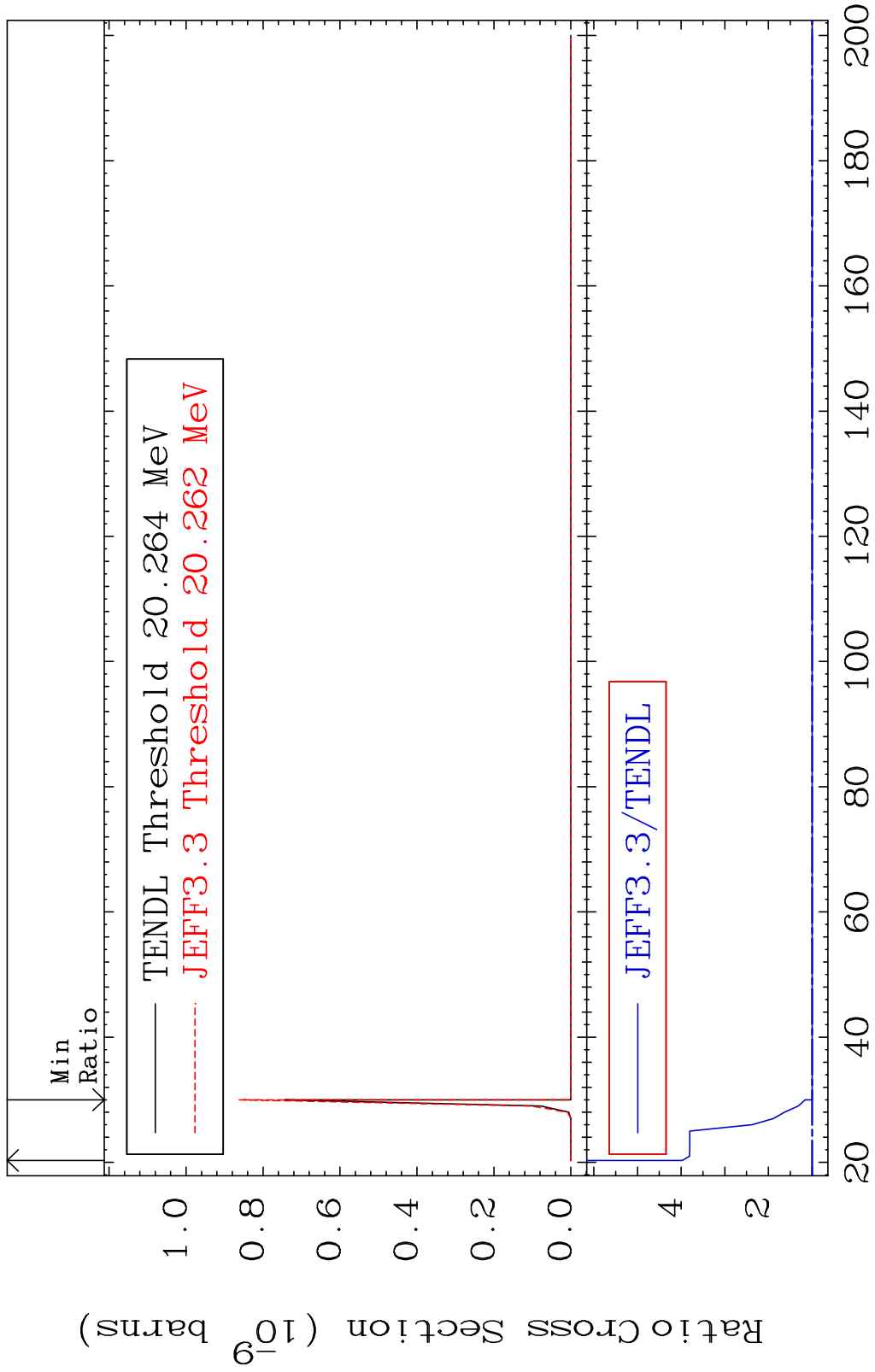


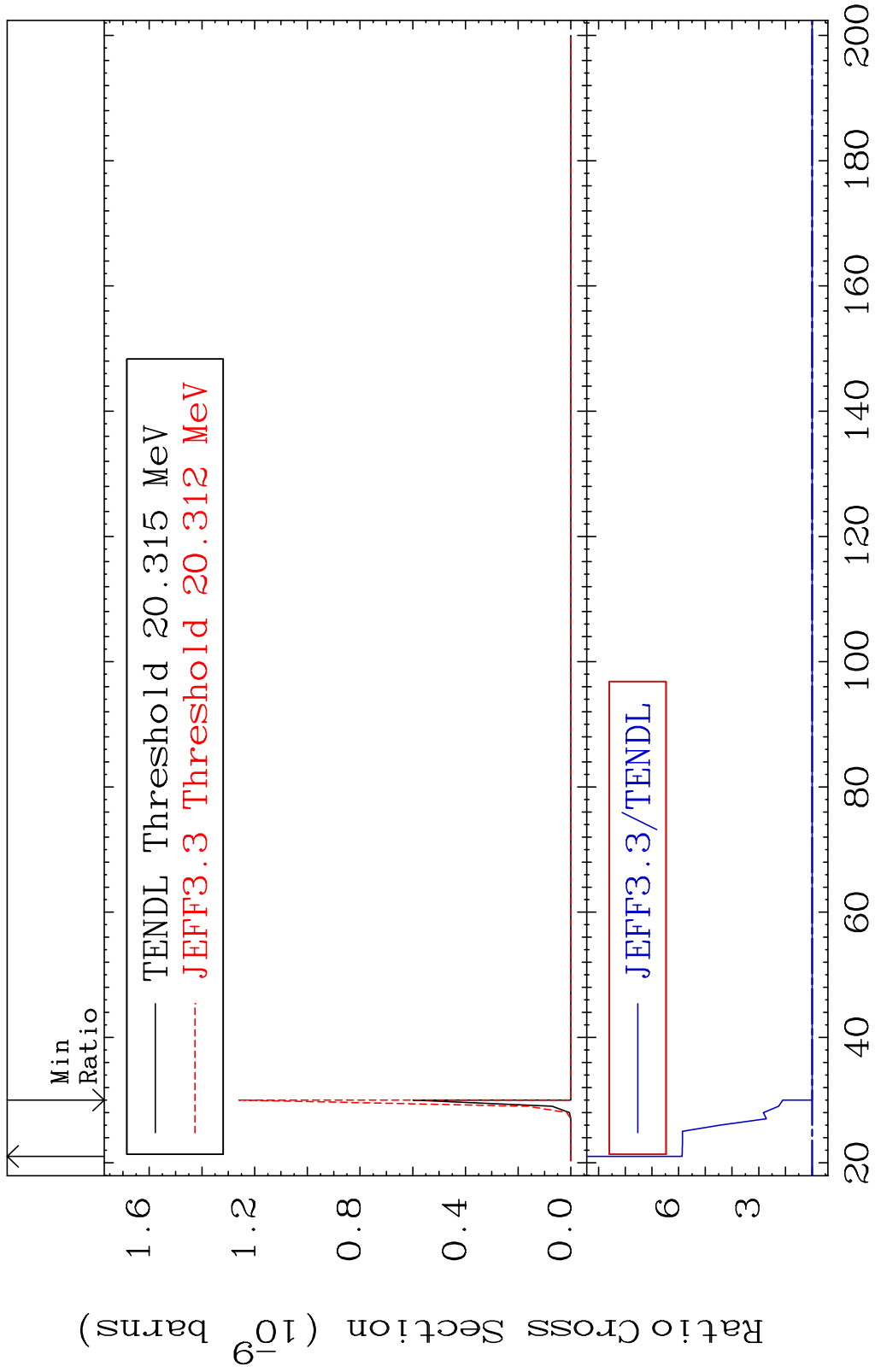


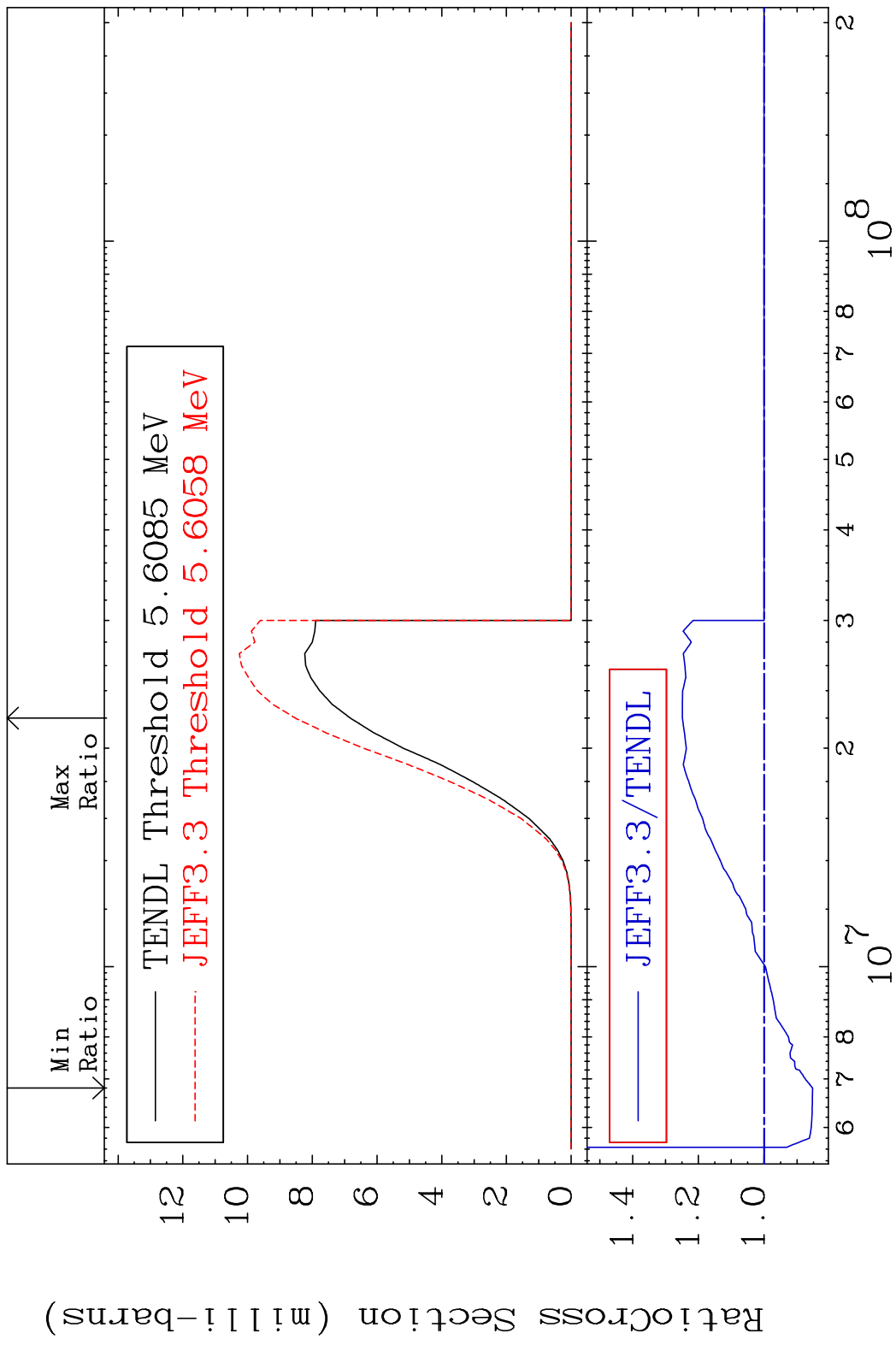


MAT 5140 (n,3n) p:50-Sn-123m1 51-Sb-126
 Radionuclide Production Cross-Section to 9999. %









MAT 5140 (n, d):50-Sn-125m1 51-Sb-126
 Radionuclide Production Cross Section Efficiency 0.000 %

