

Program Complot
(Version 2021-1)

by

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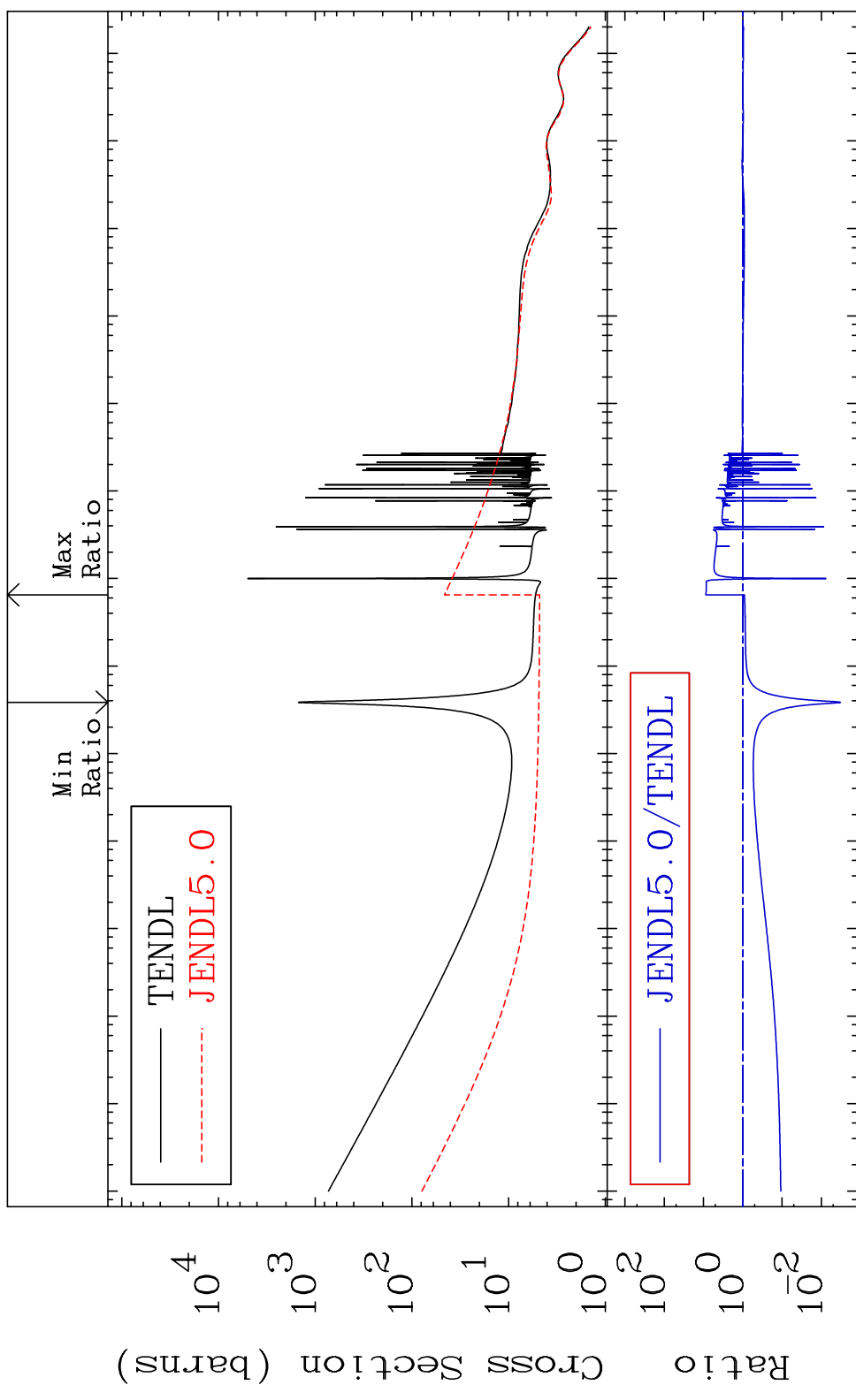
Press Mouse Button to Start

MAT 3819

Total

38-Sr-82

Cross Section -99.67 To 777.2 %



Ratio
Cross Section (barns)
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵
10⁻²
10⁻¹
10⁰
10¹
10²
10³
10⁴
10⁵
10⁶
10⁷
10⁸

1

Incident Energy (eV)

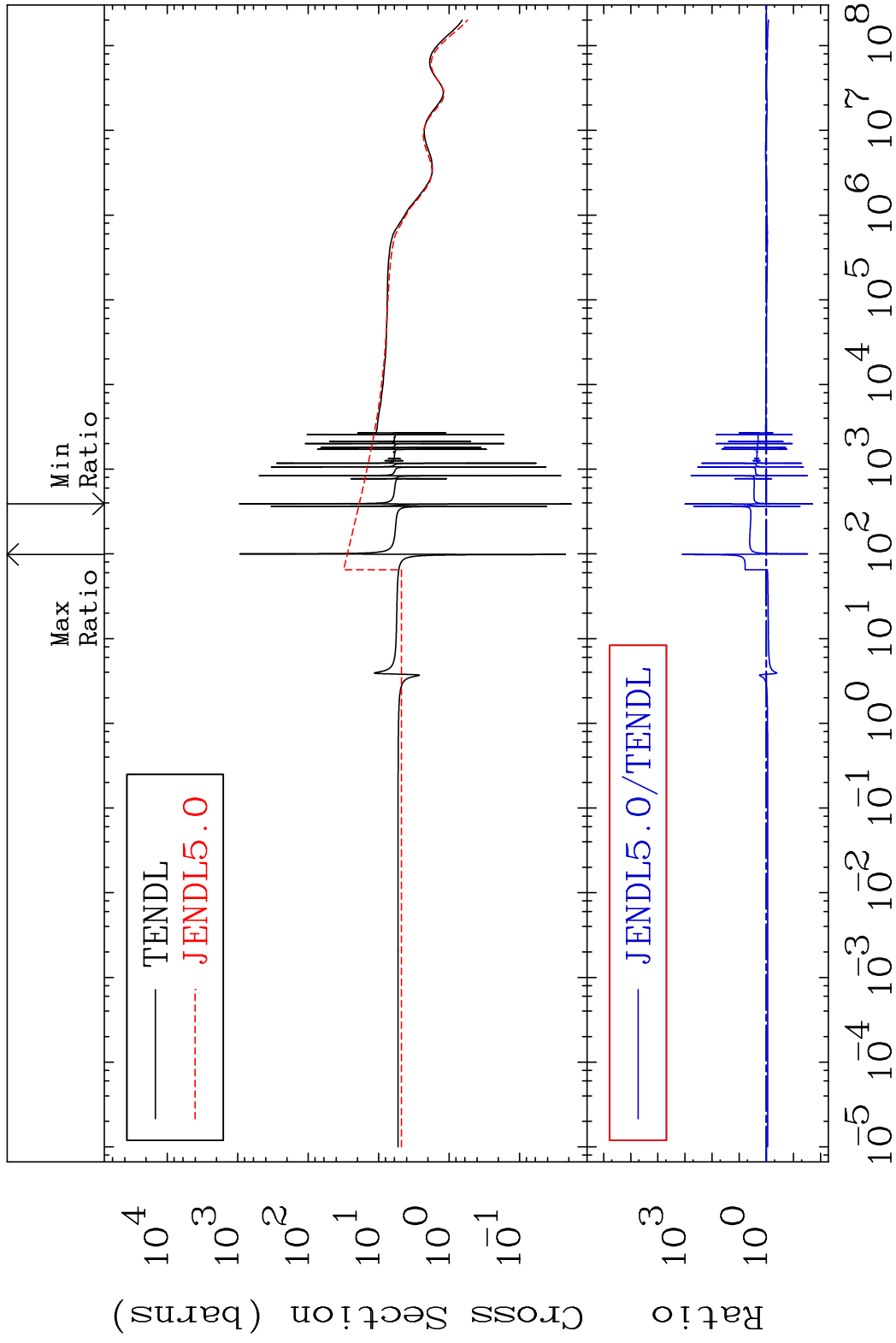
38-Sr-82

MAT 3819

Elastic

38-Sr-82

Cross Section -98.02 To 9999. %

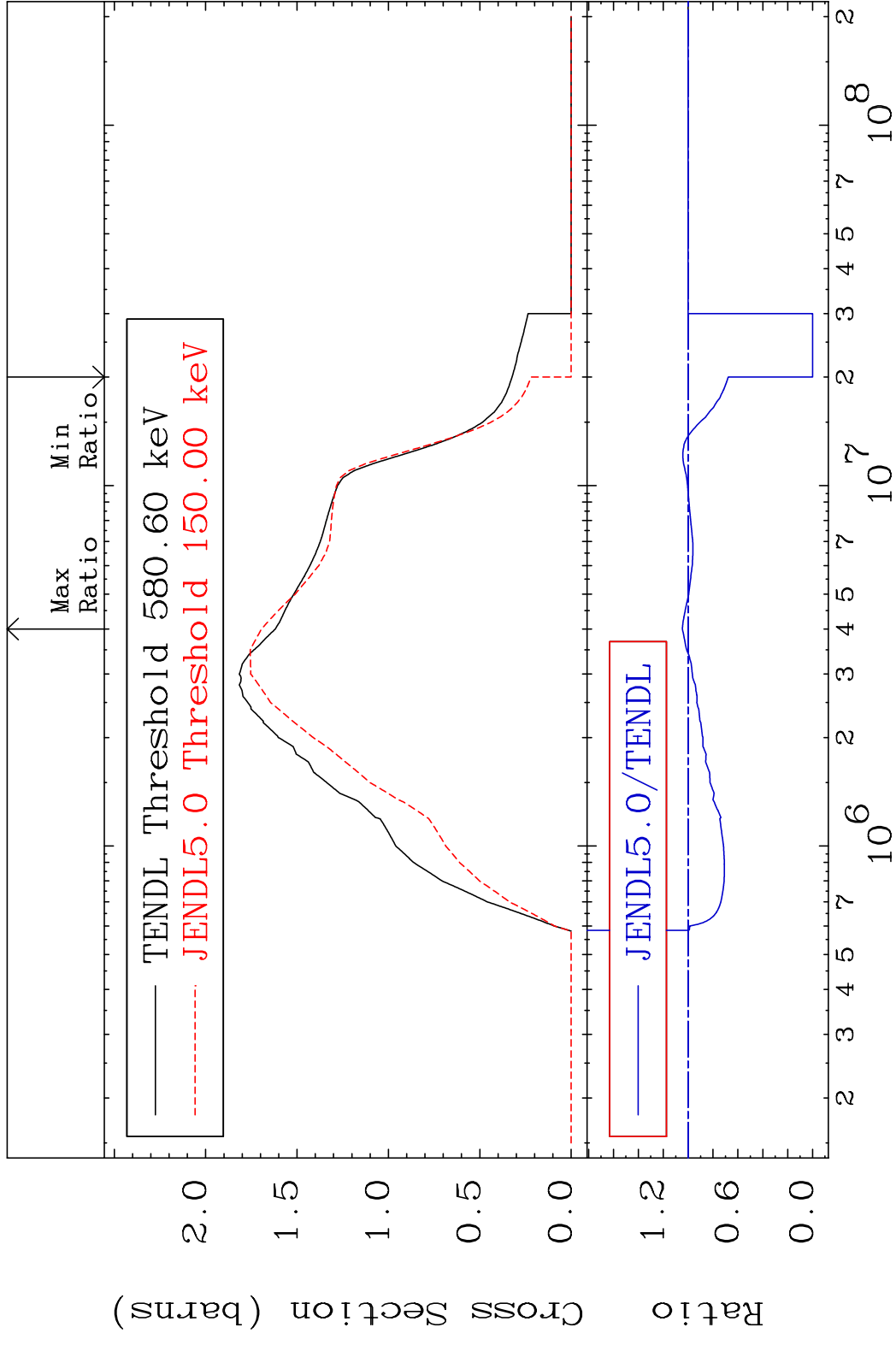


2

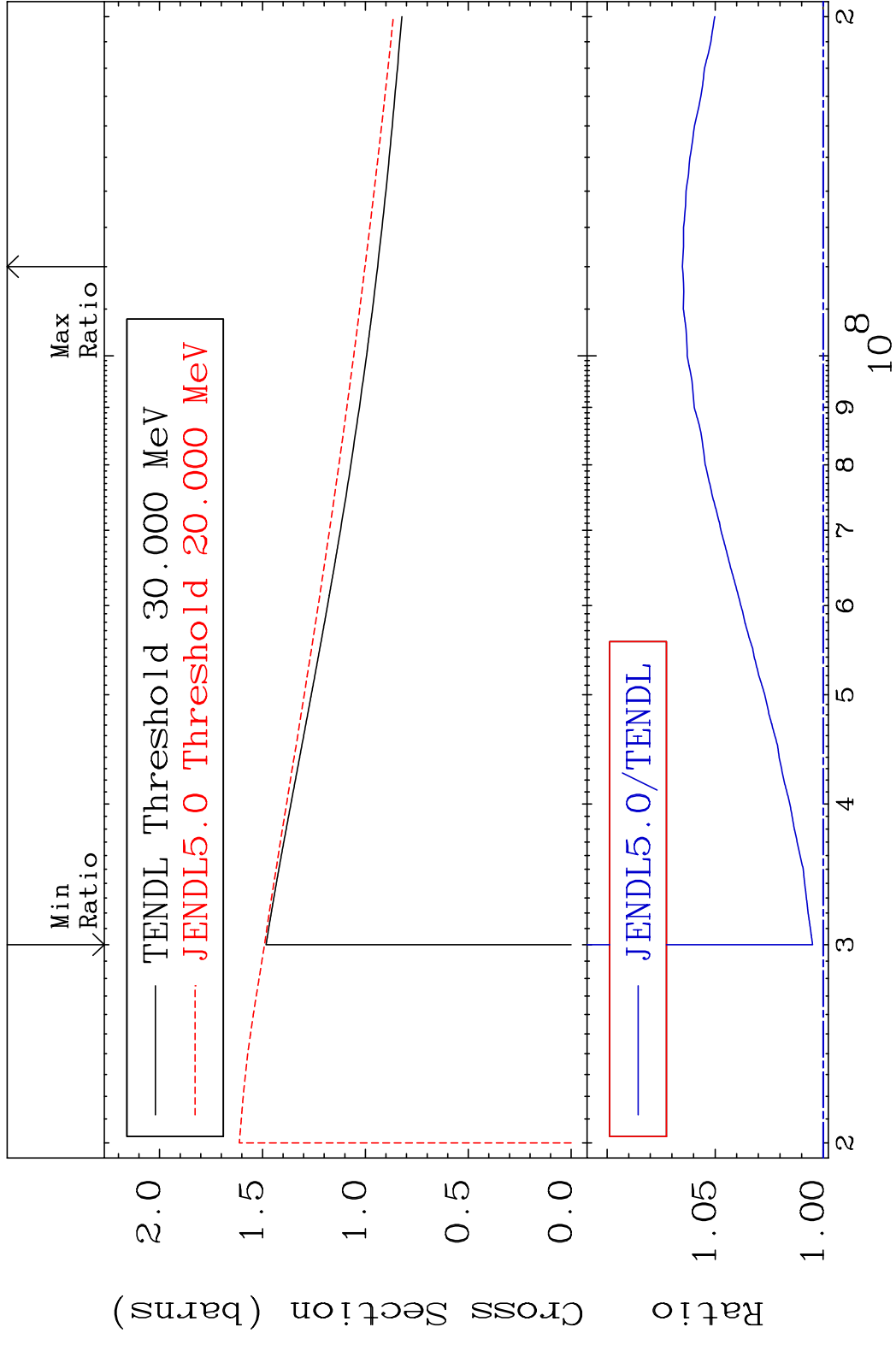
Incident Energy (eV)

38-Sr-82

MAT 3819 Inelastic Cross Section -100.0 To 4.634 % 38-Sr-82

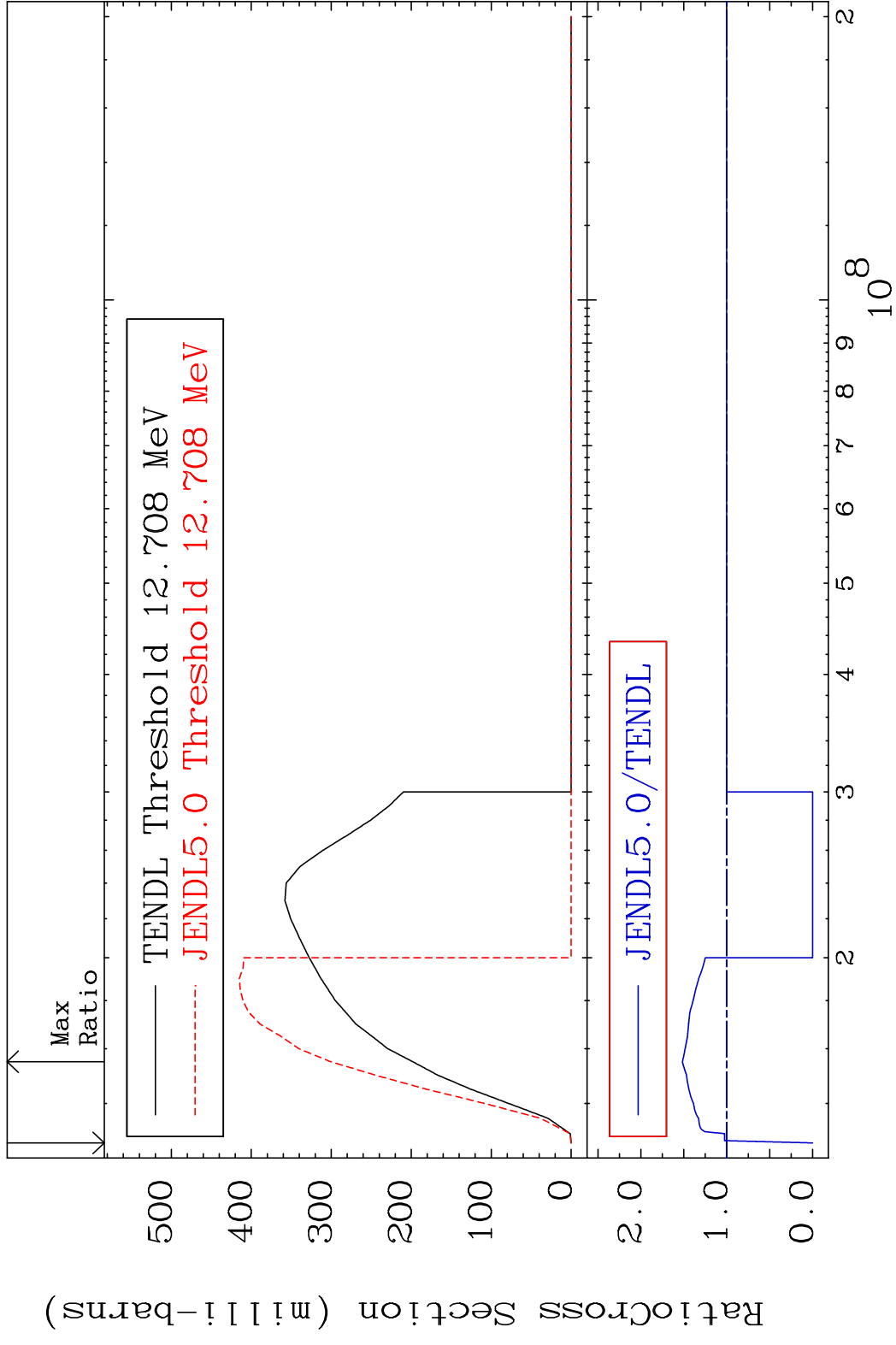


MAT 3819 (n, remainder) 38-Sr-82
 Cross Section 0.493 To 6.517 %



4 Incident Energy (eV) 38-Sr-82

MAT 3819 (n,2n) 38-Sr-82
 Cross Section -100.0 To 51.70 %

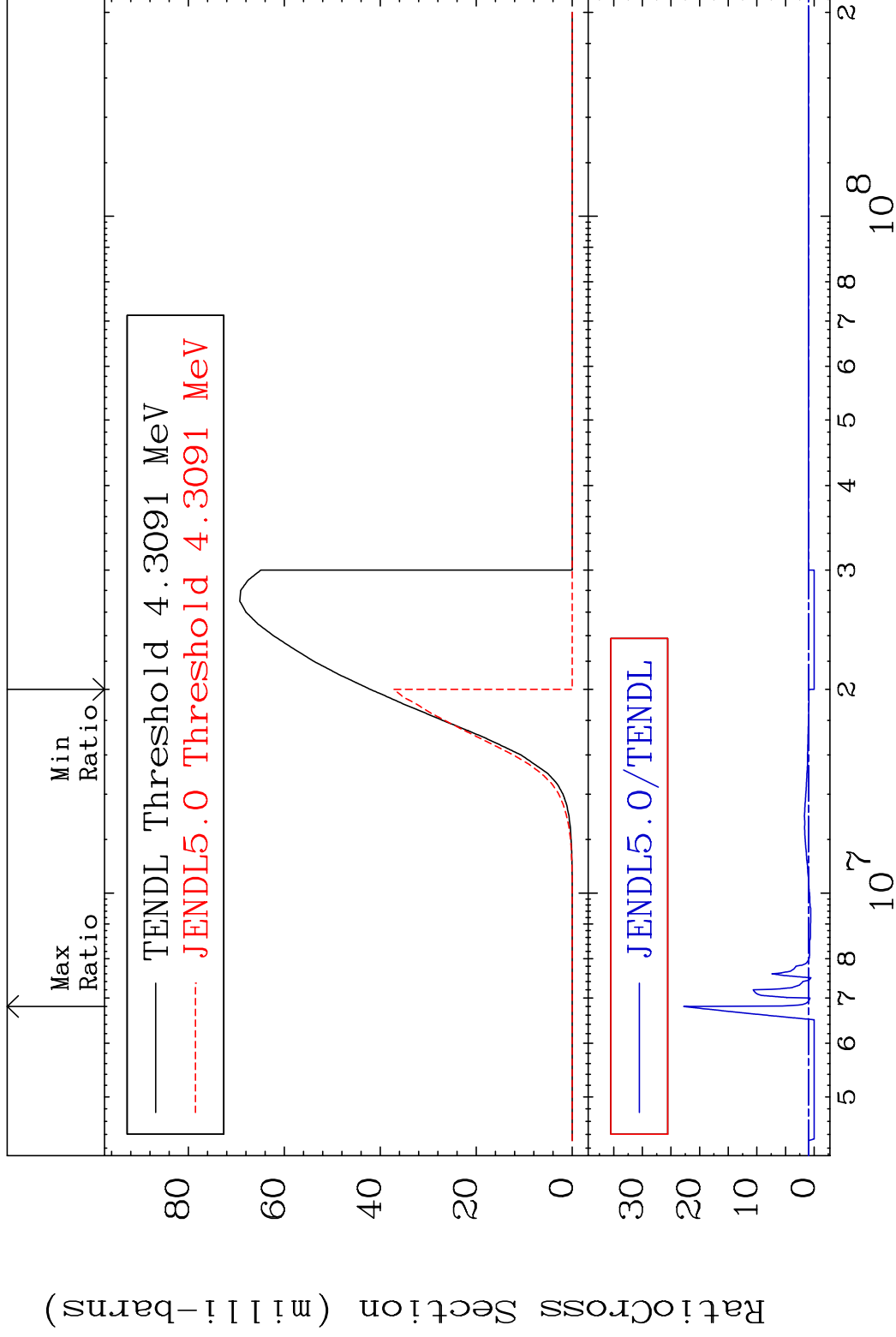


MAT 3819

(n, n') α

38-Sr-82

Cross Section -100.0 To 2179. %



6

Incident Energy (eV)

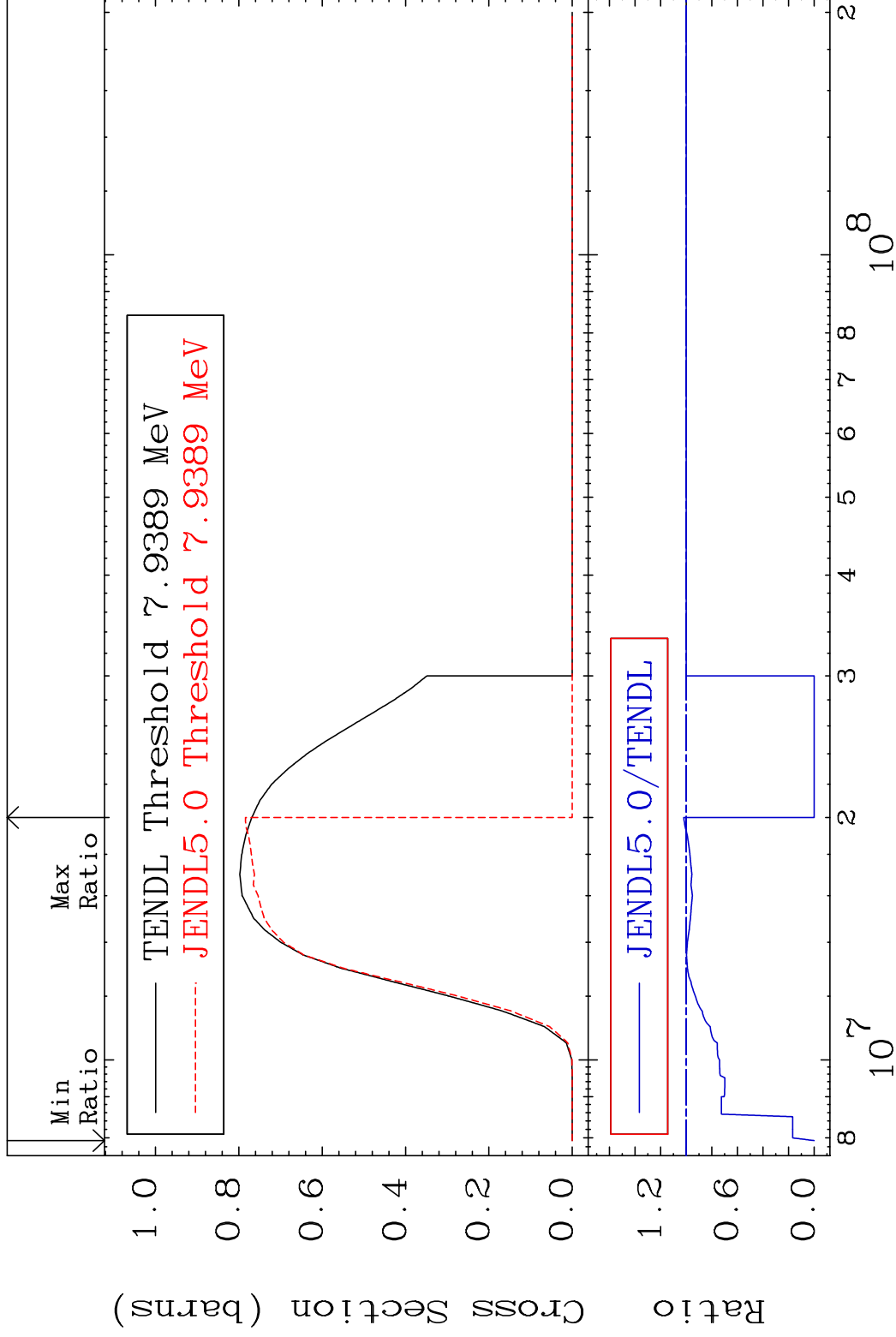
38-Sr-82

MAT 3819

(n, n') p

38-Sr-82

Cross Section -100.0 To 1.993 %



7

Incident Energy (eV)

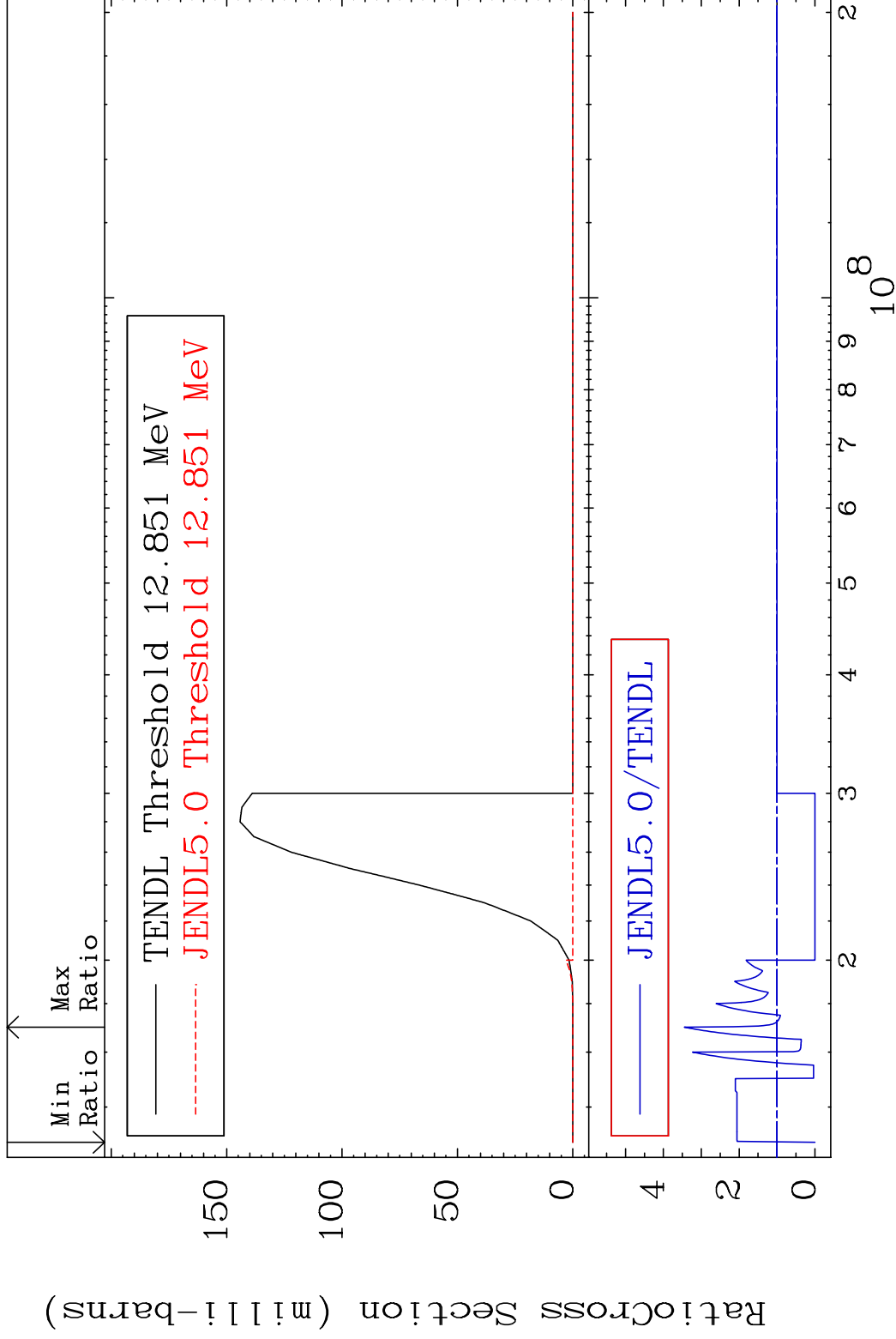
38-Sr-82

MAT 3819

(n,2n) p

38-Sr-82

Cross Section -100.0 To 244.8 %

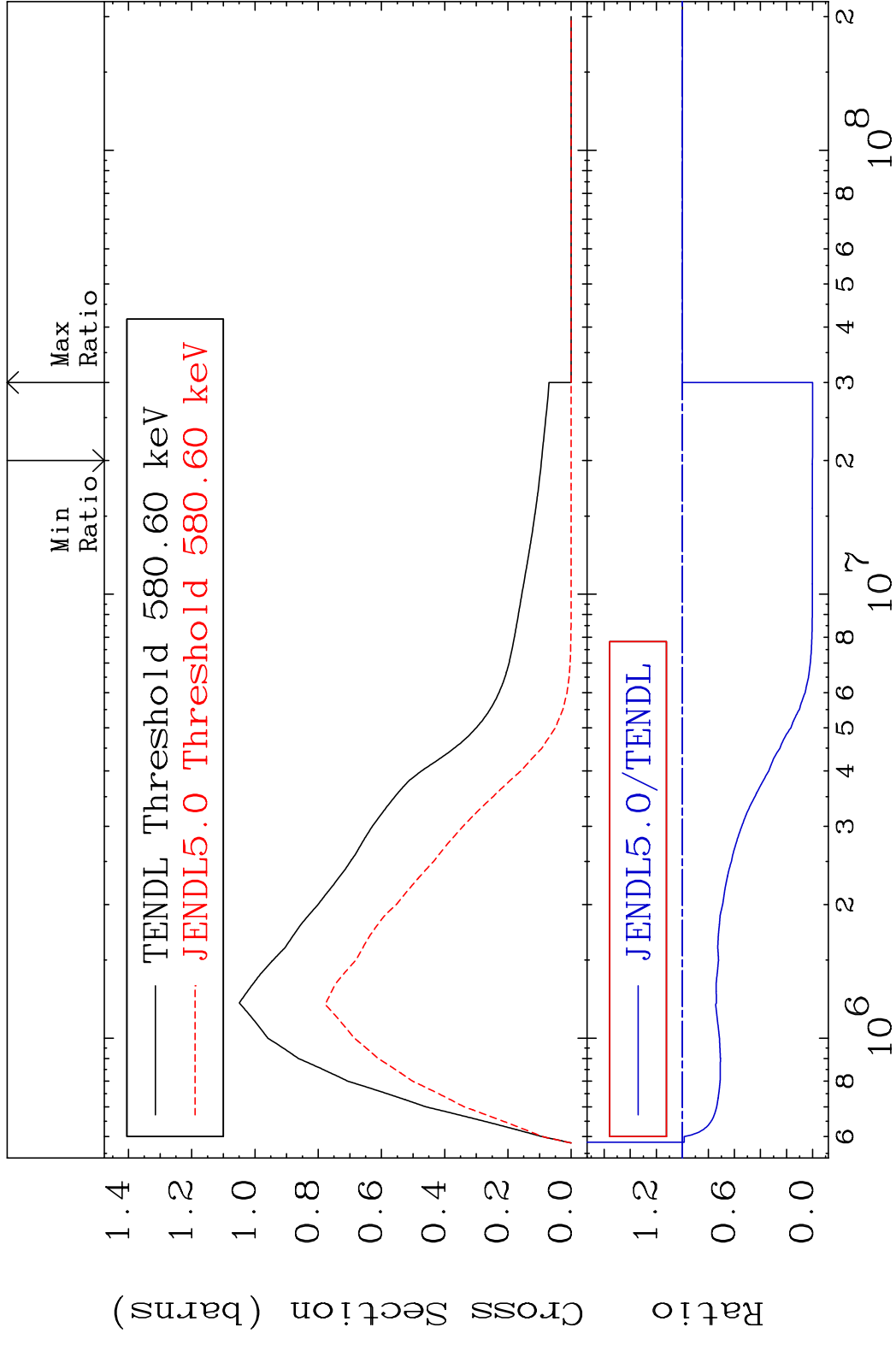


8

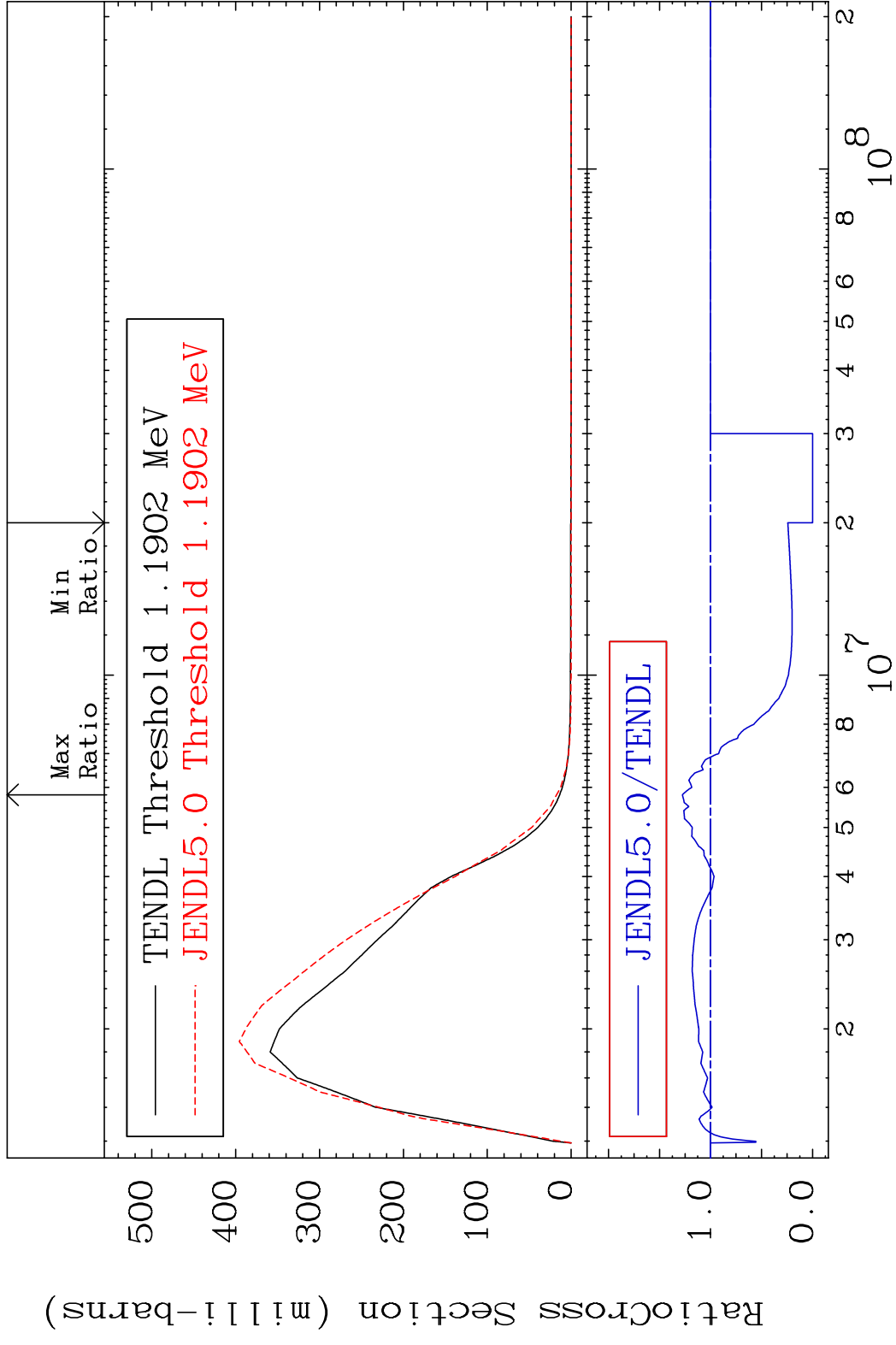
Incident Energy (eV)

38-Sr-82

MAT 3819 MT= 51 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 0.000 %

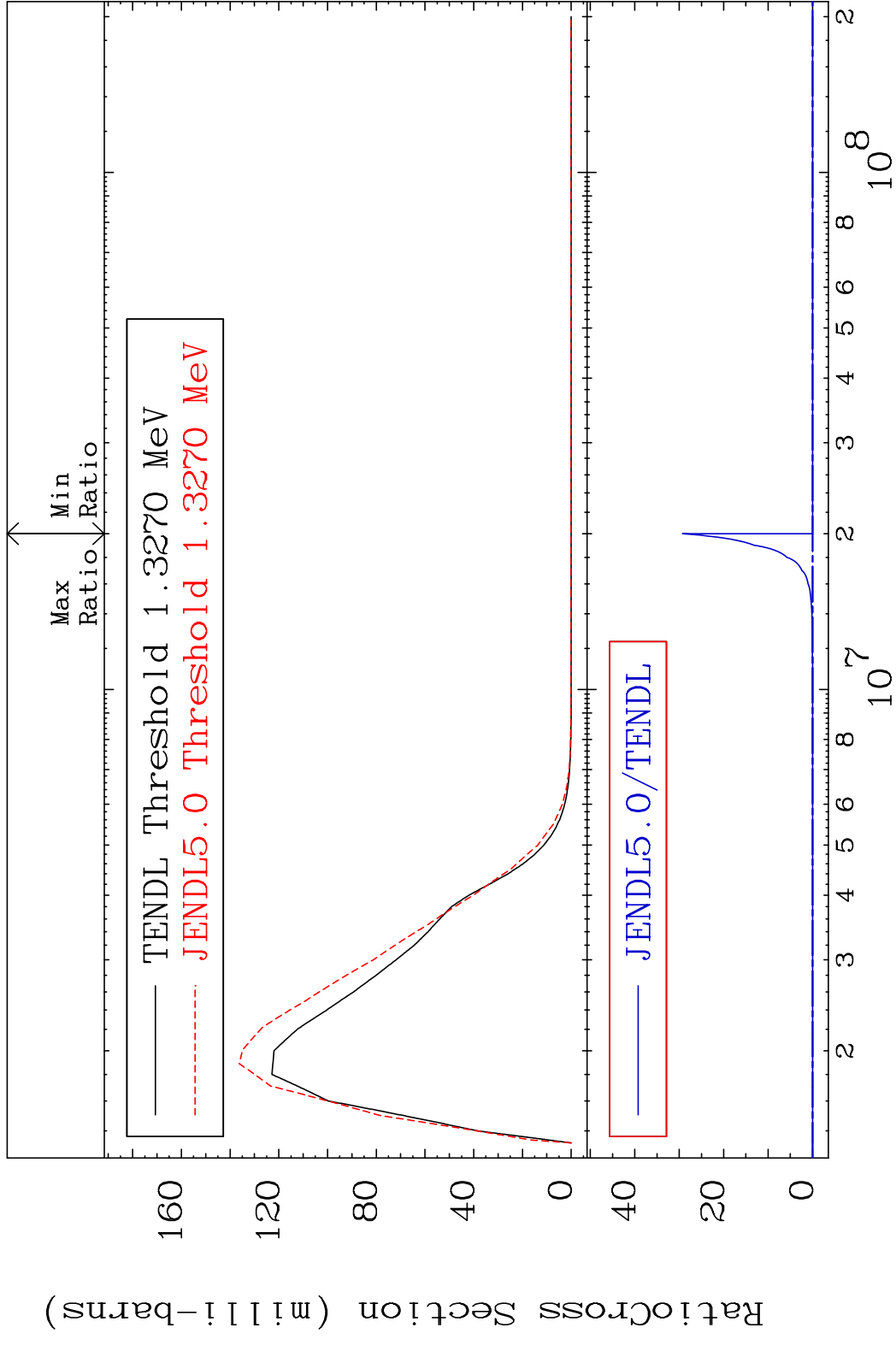


MAT 3819 MT= 52 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 27.62 %

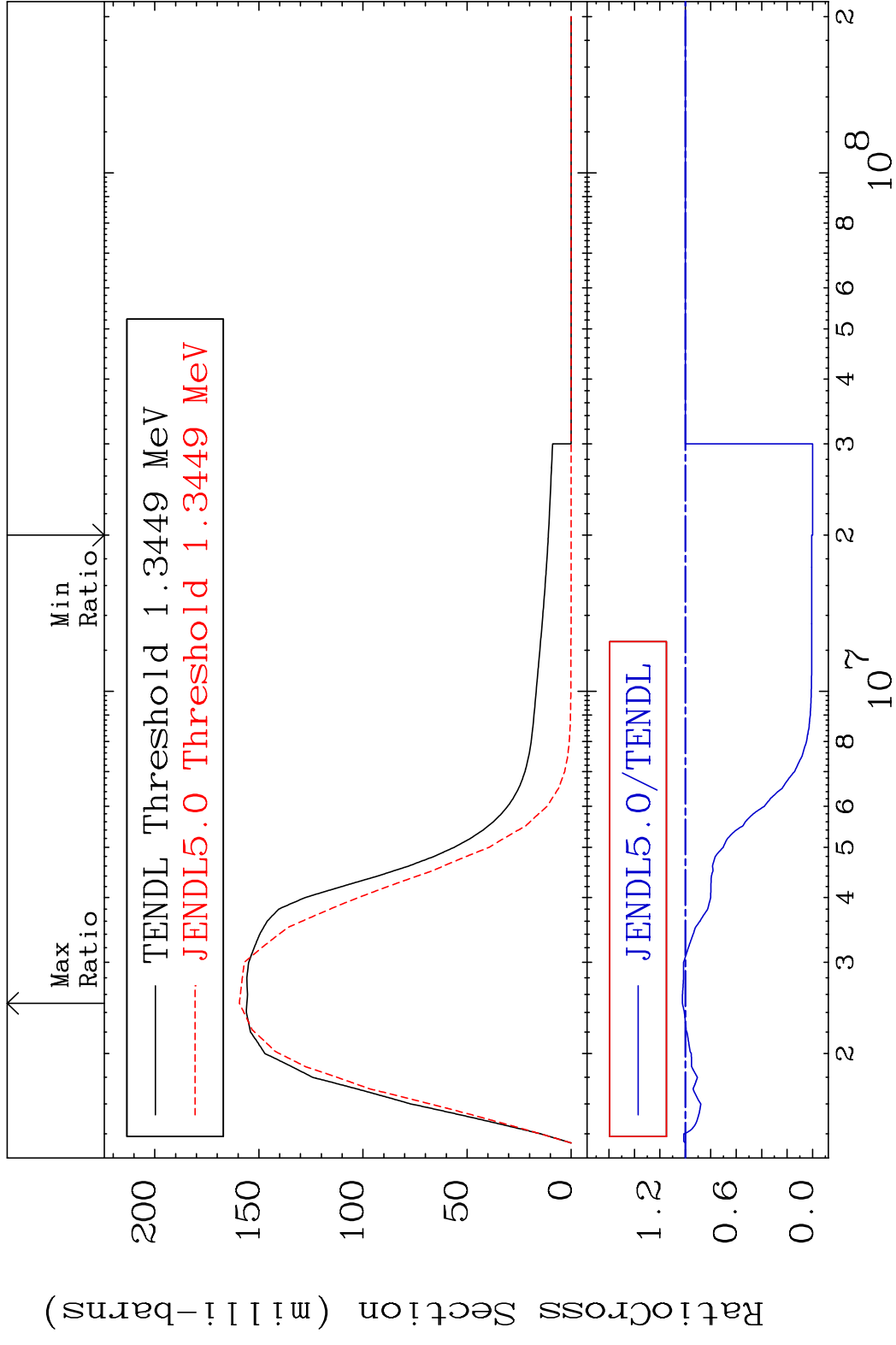


10 Incident Energy (eV) 38-Sr-82

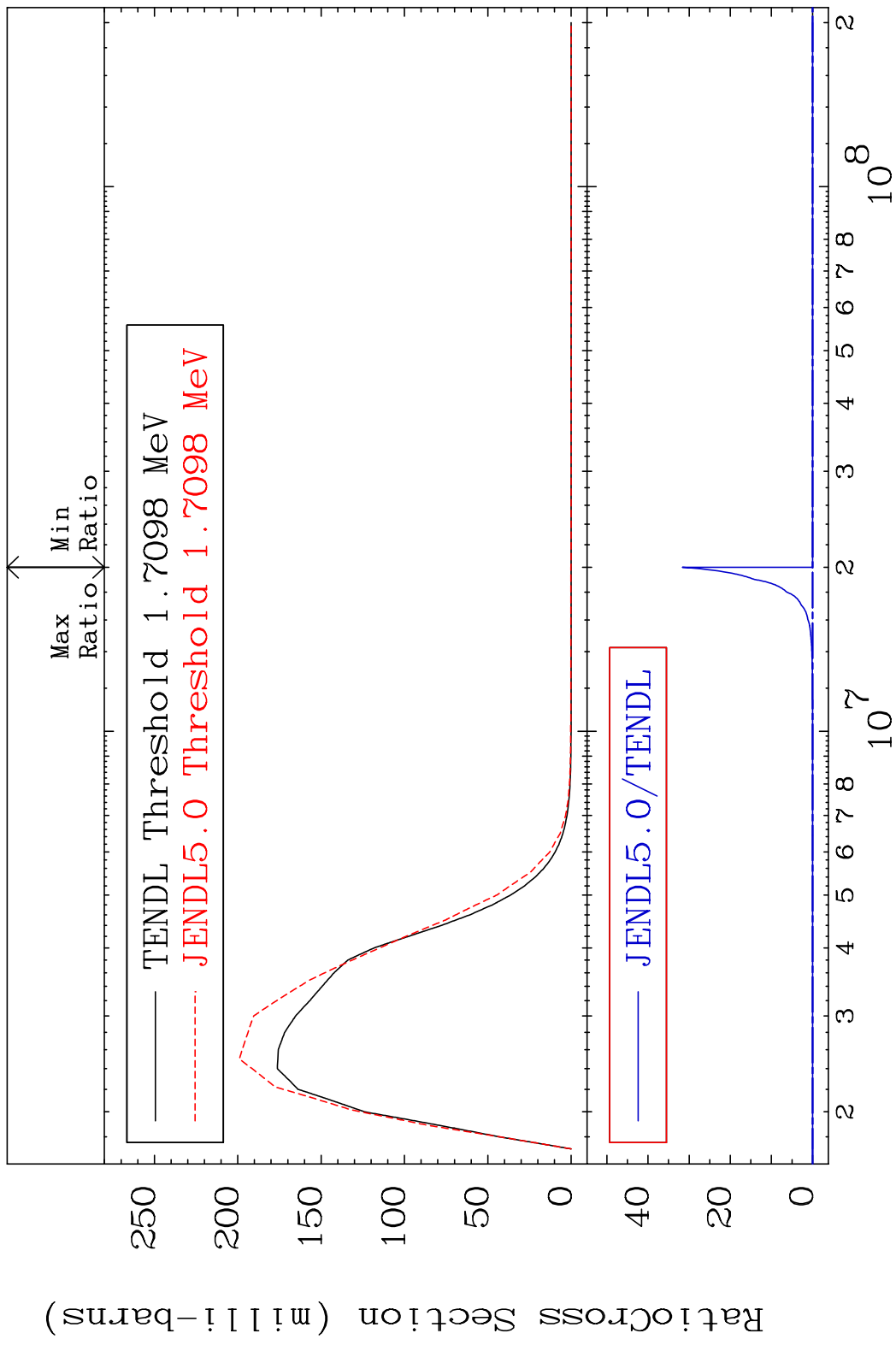
MAT 3819 MT= 53 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 9999. %



MAT 3819 MT= 54 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 2.339 %

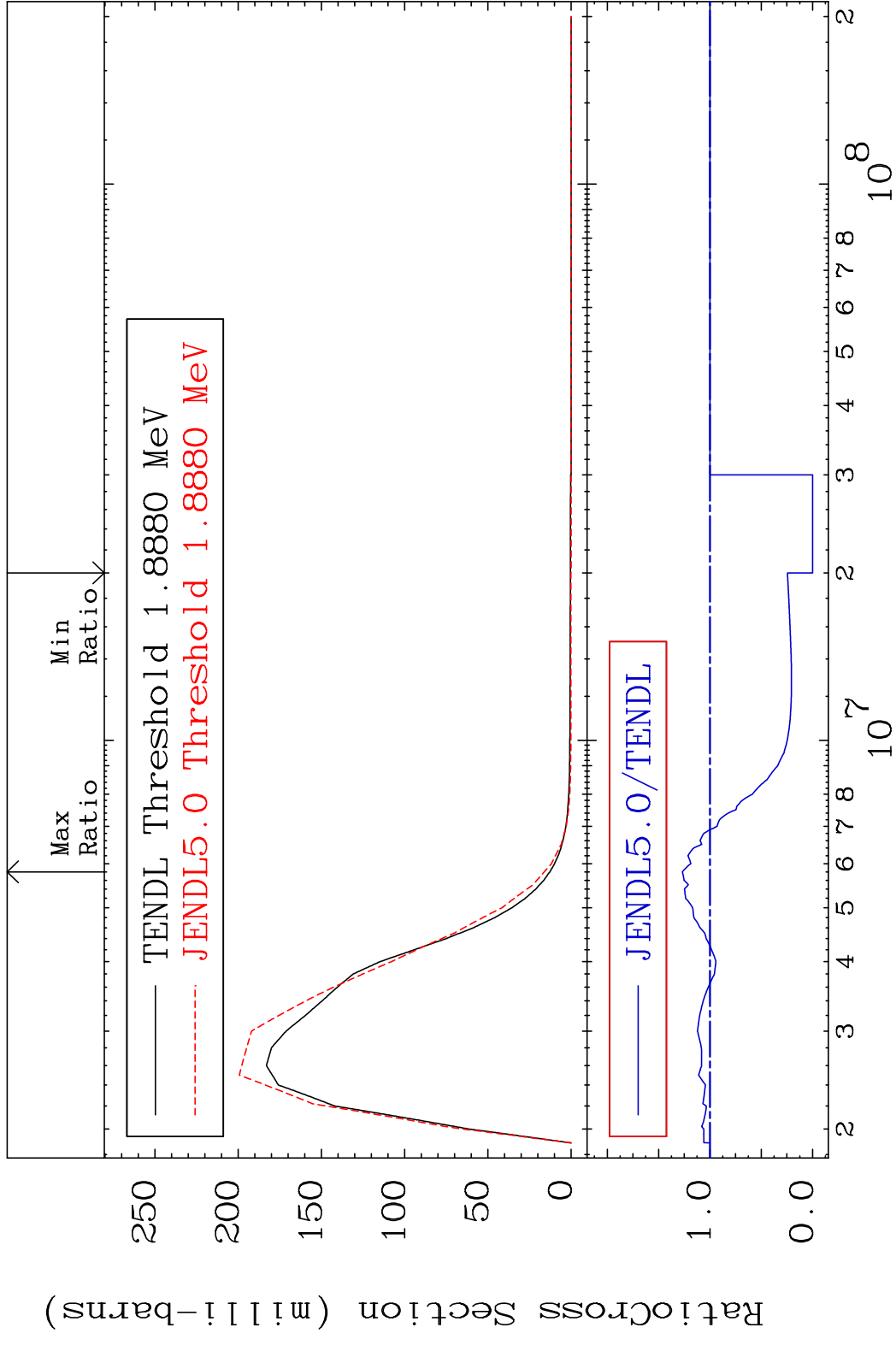


MAT 3819 MT= 55 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 9999. %

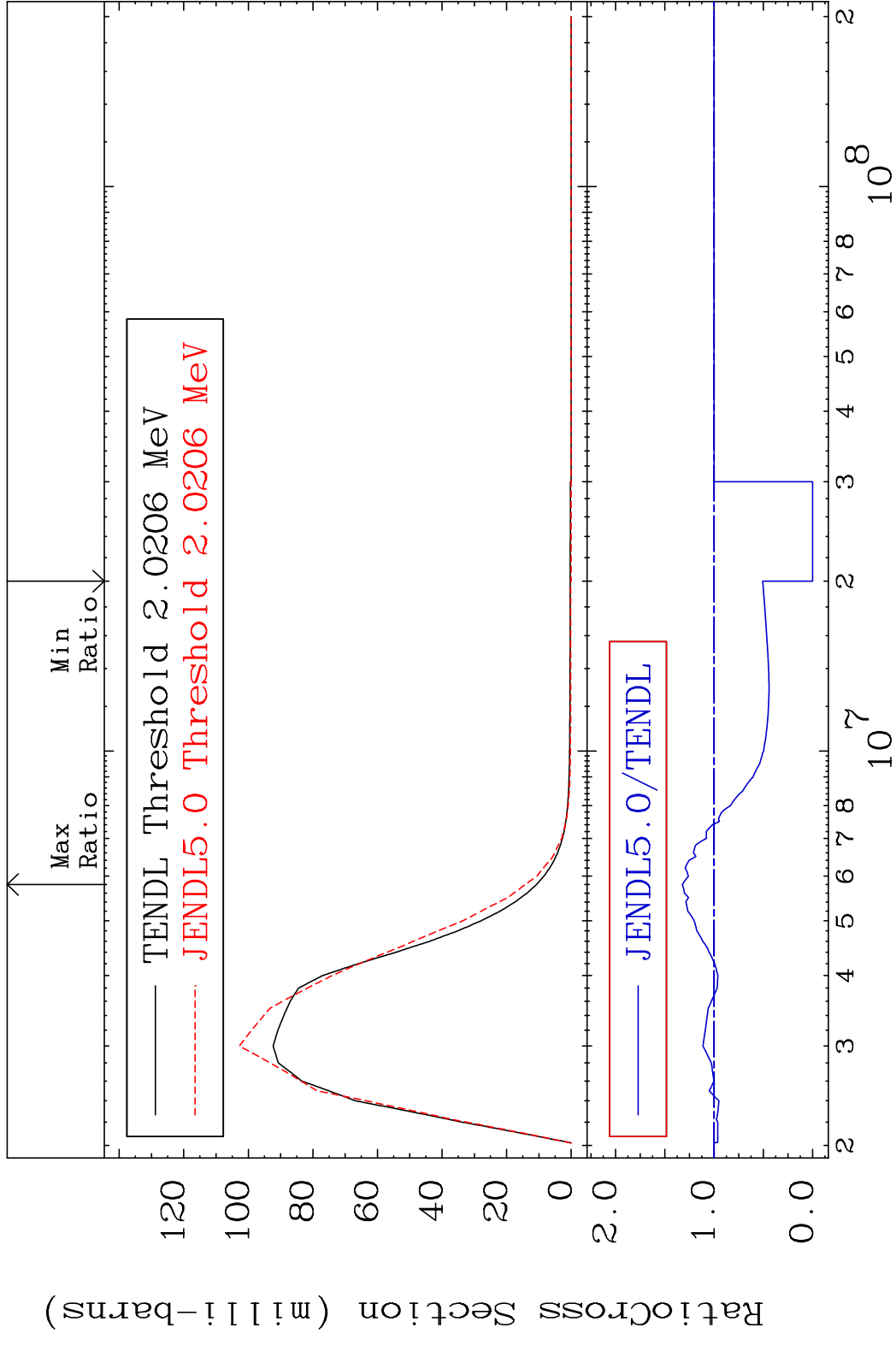


13 Incident Energy (eV) 38-Sr-82

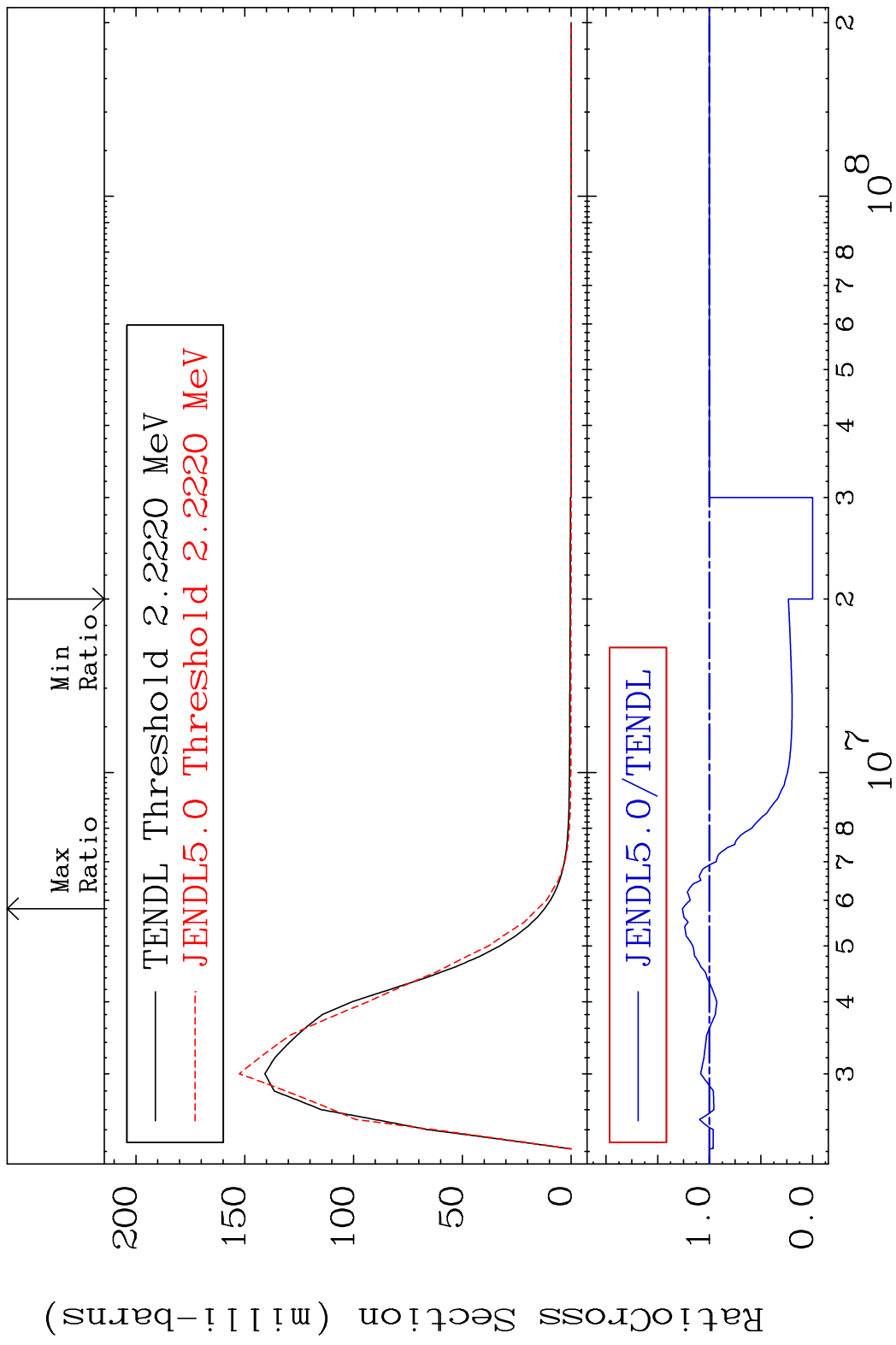
MAT 3819 MT= 56 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 26.86 %



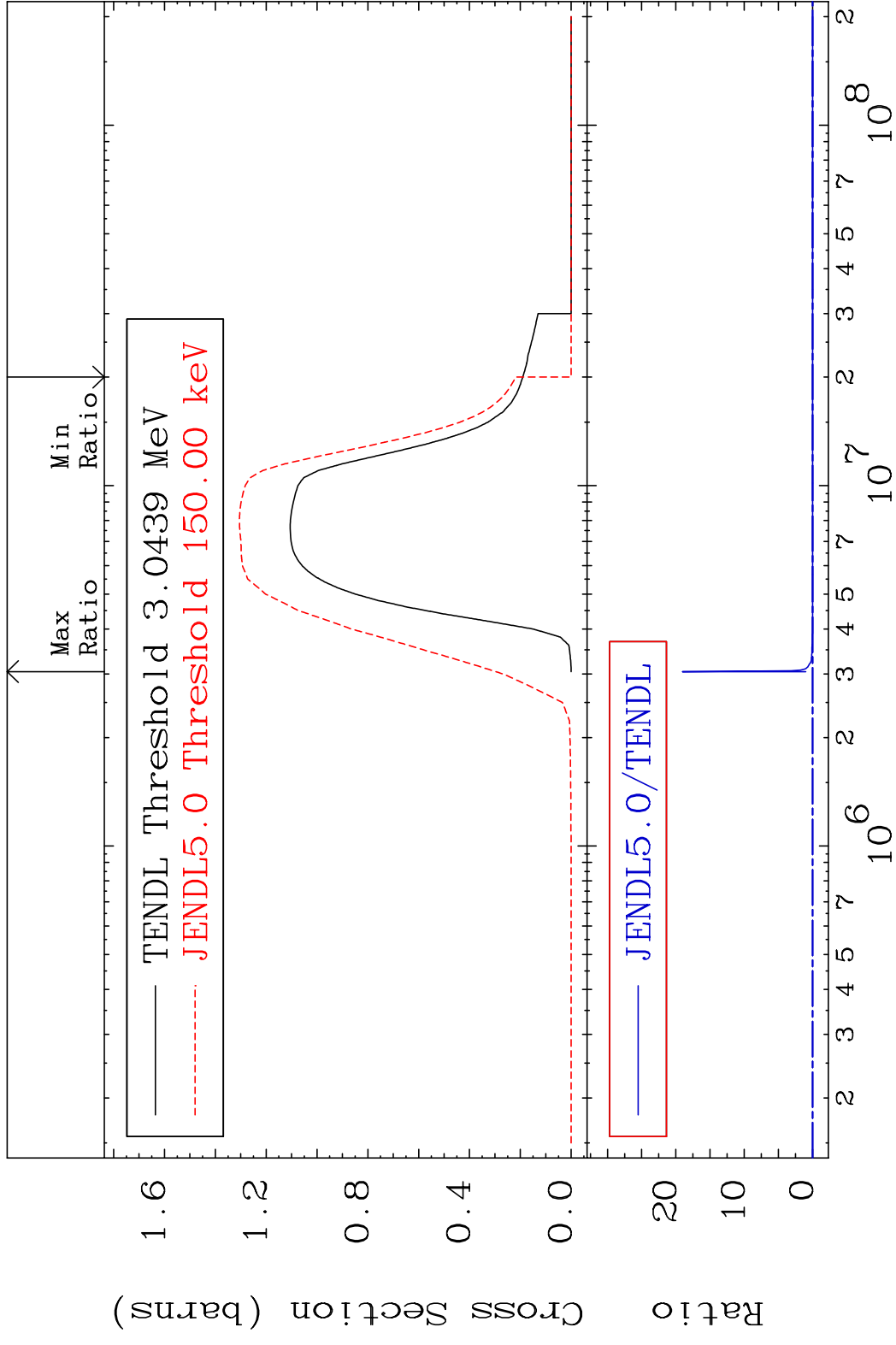
MAT 3819 MT= 57 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 32.25 %



MAT 3819 MT= 58 (n, n') Level 38-Sr-82
 Cross Section -100.0 To 26.08 %



MAT 3819 (n,n') Continuum 38-Sr-82
 Cross Section -100.0 To 9999. %

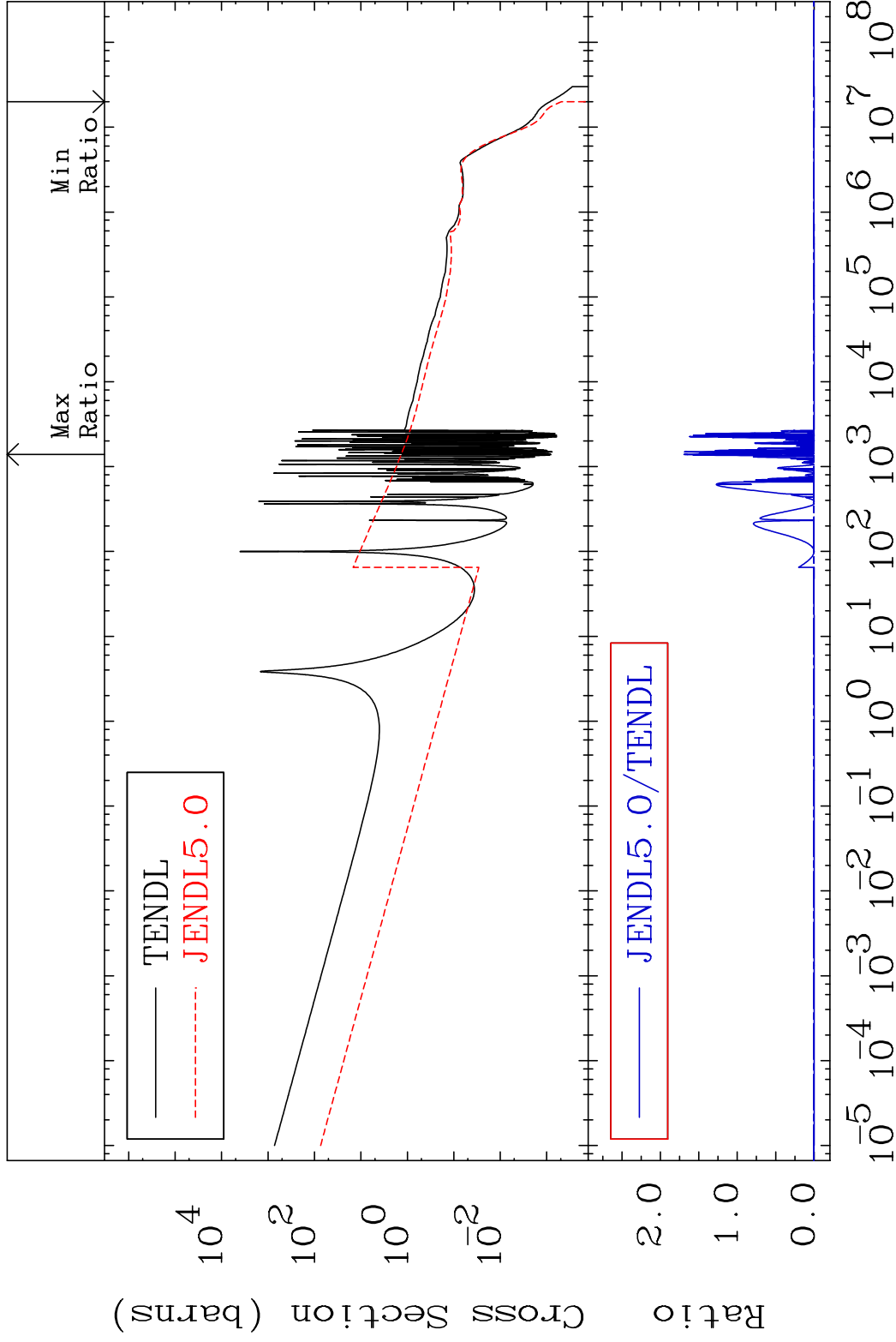


MAT 3819

(n, γ)

38-Sr-82

Cross Section -100.0 To 9999. %



18

Incident Energy (eV)

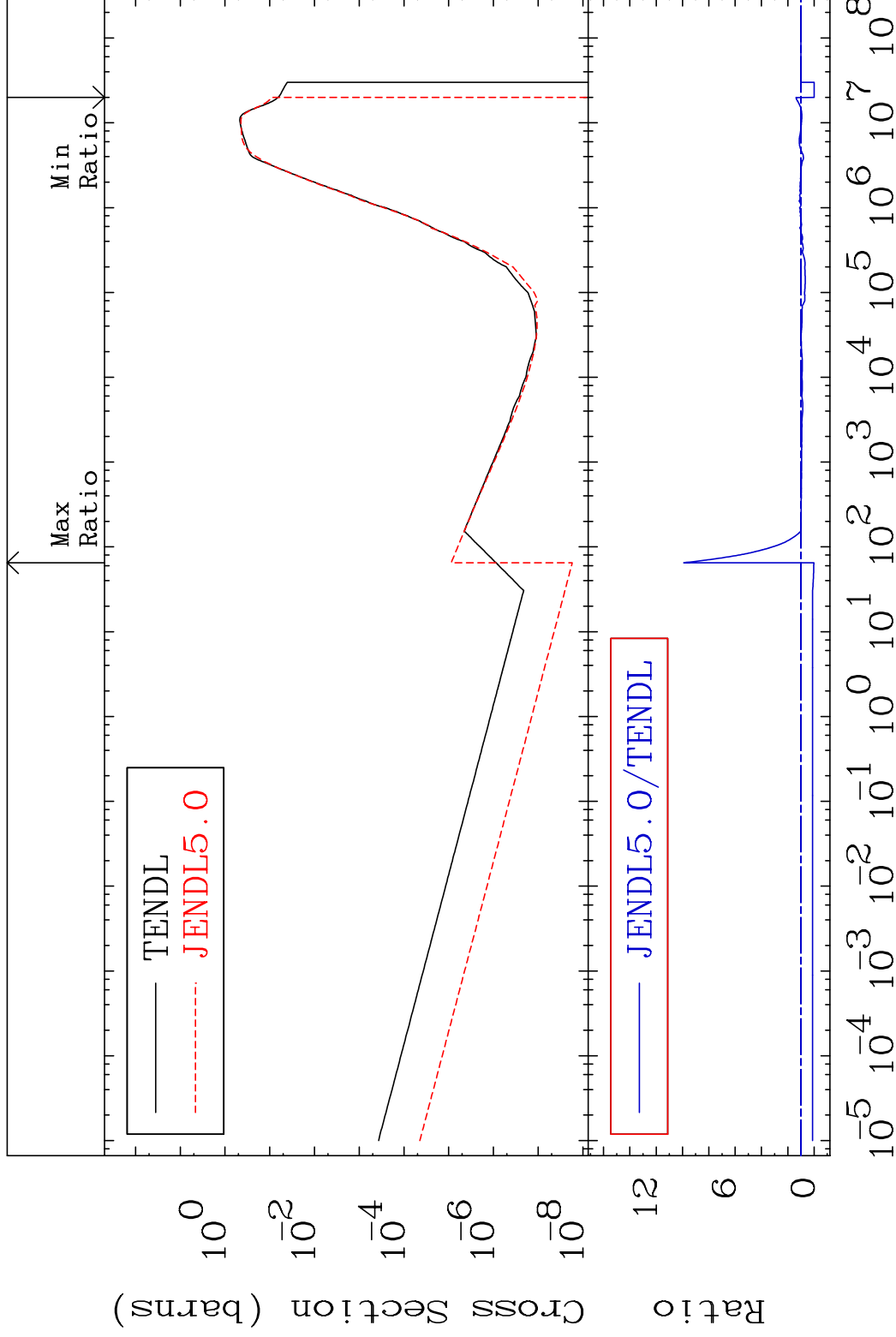
38-Sr-82

MAT 3819

(n, p)

38-Sr-82

Cross Section -100.0 To 891.1 %



19

Incident Energy (eV)

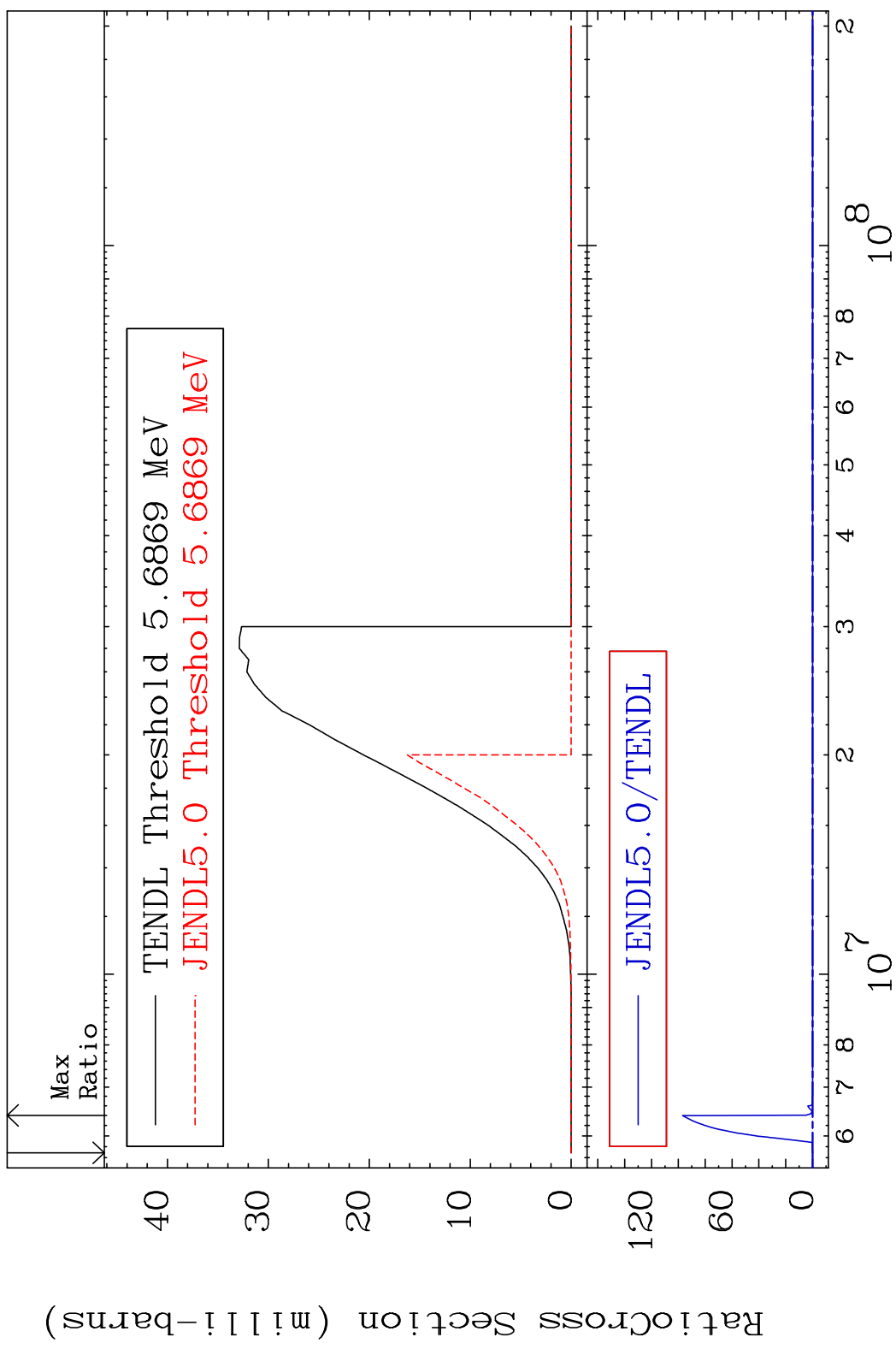
38-Sr-82

MAT 3819

(n,d)

38-Sr-82

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

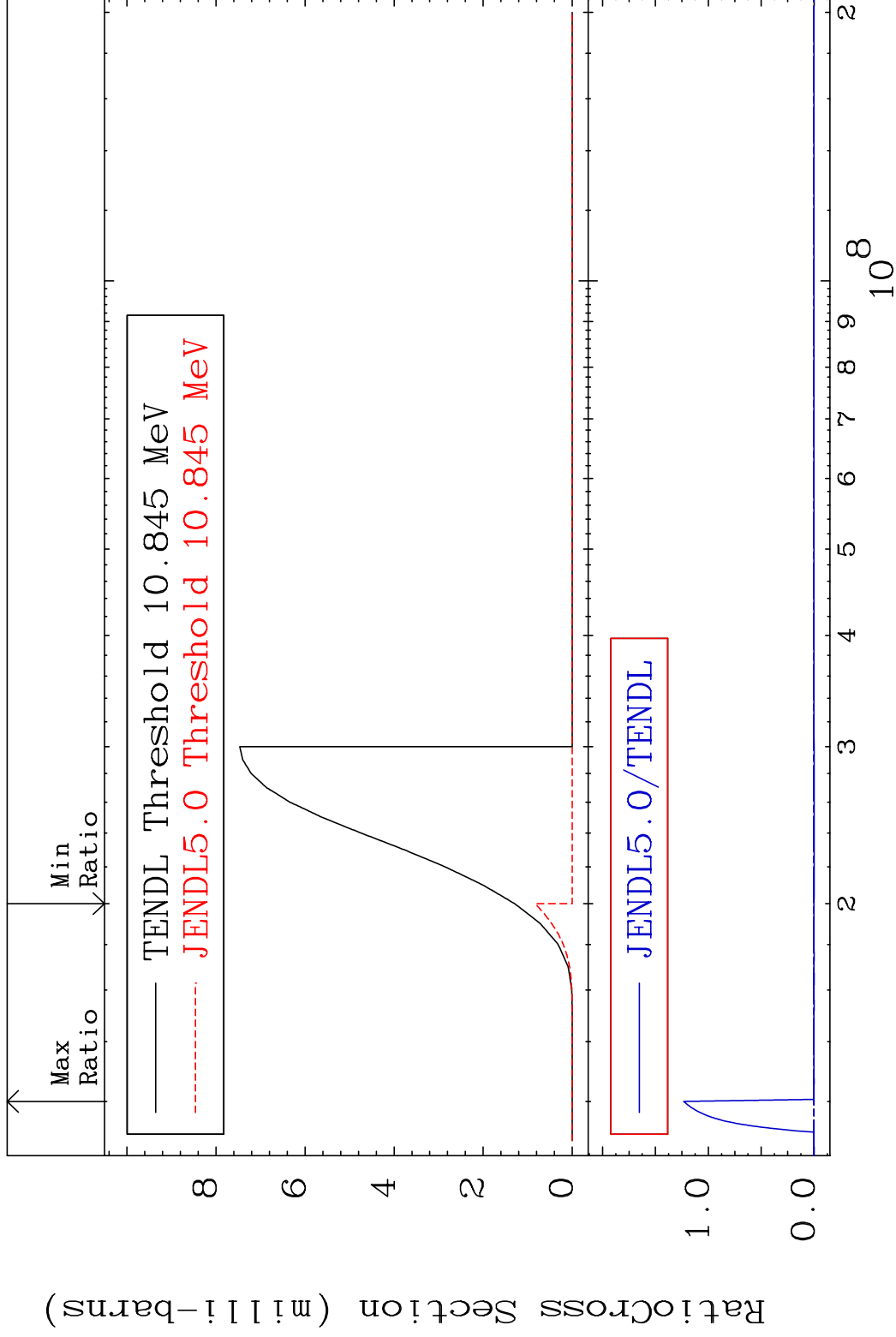
38-Sr-82

MAT 3819

(n, t)

38-Sr-82

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

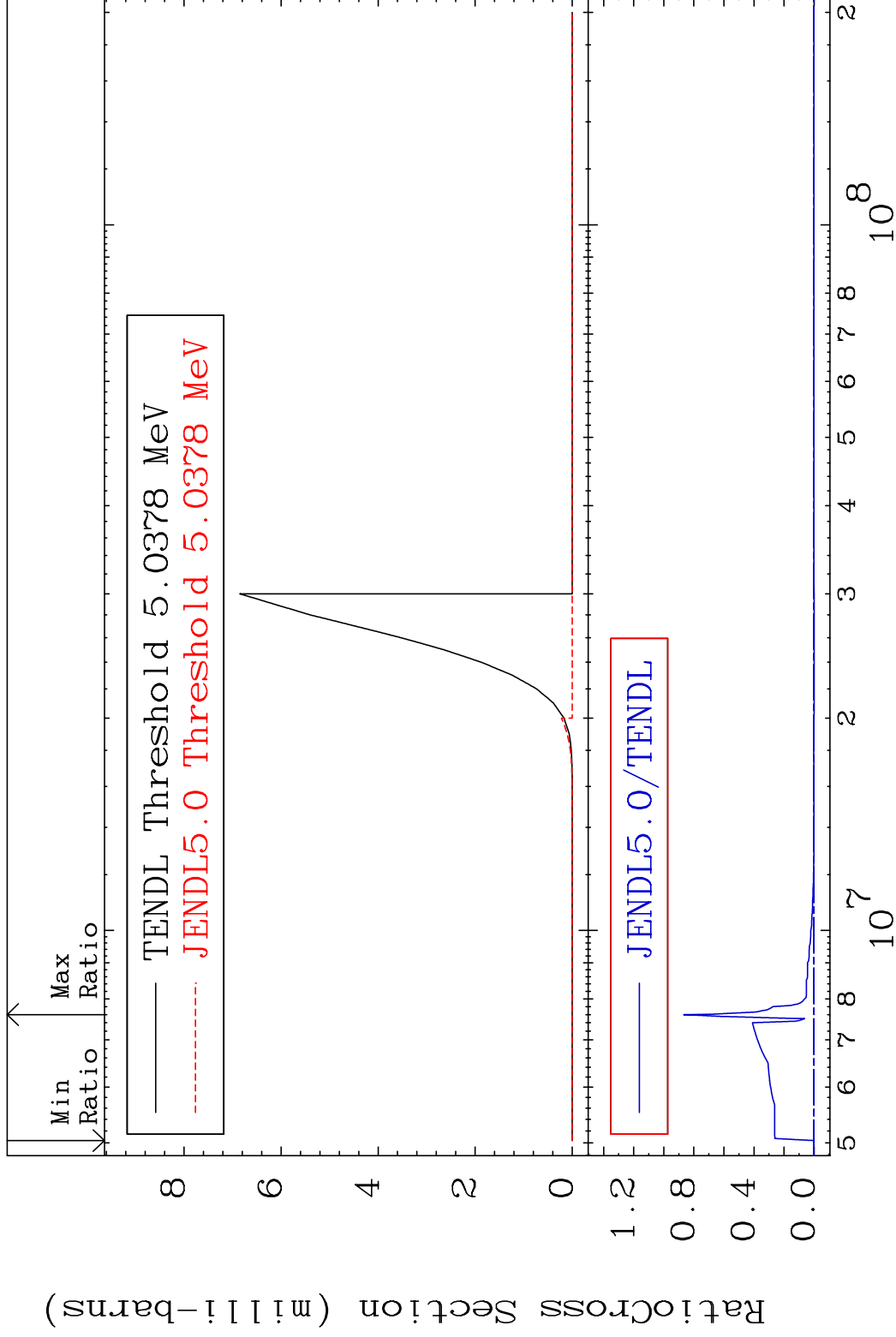
38-Sr-82

MAT 3819

(n, He-3)

38-Sr-82

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

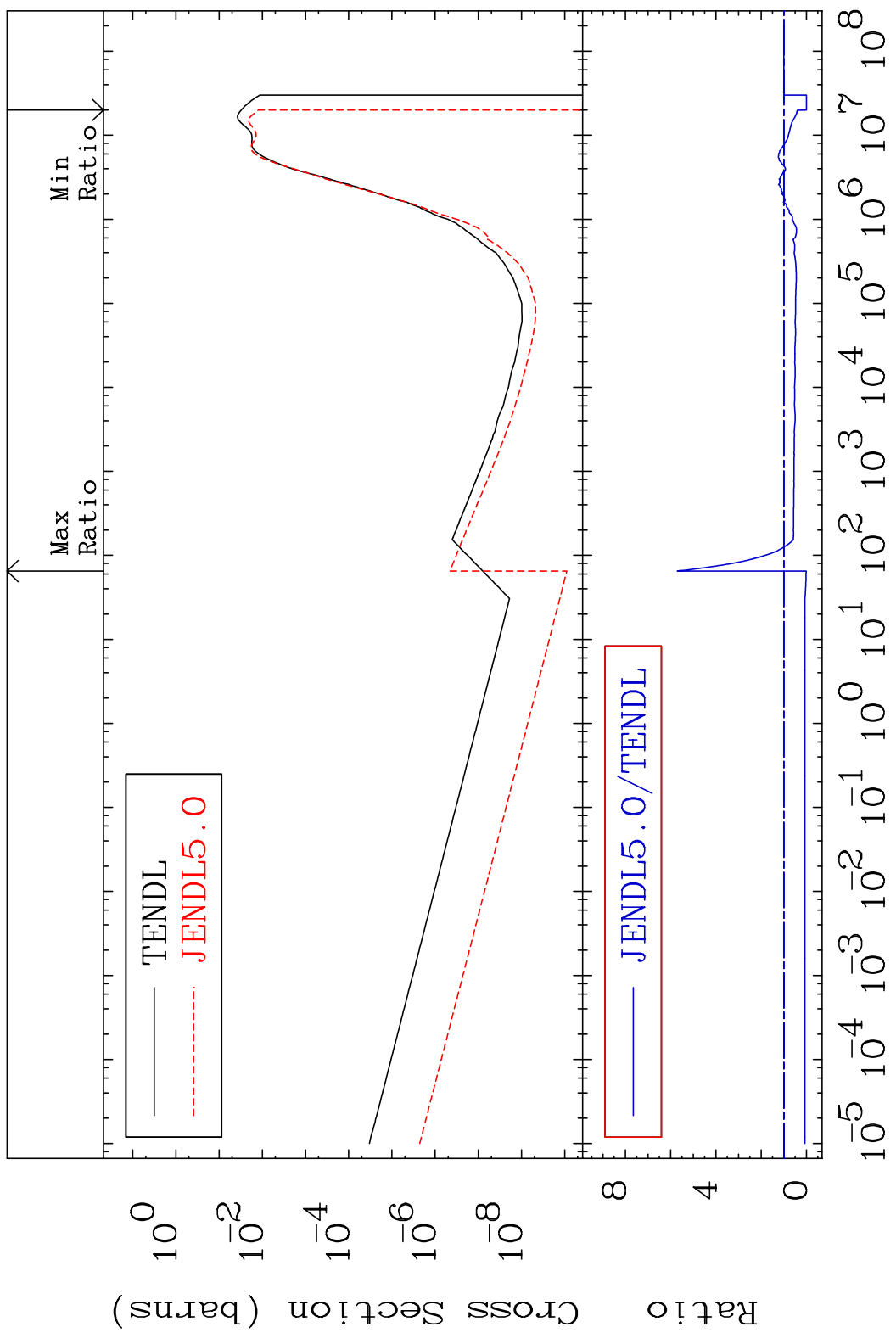
38-Sr-82

MAT 3819

(n, α)

38-Sr-82

Cross Section -100.0 To 471.4 %

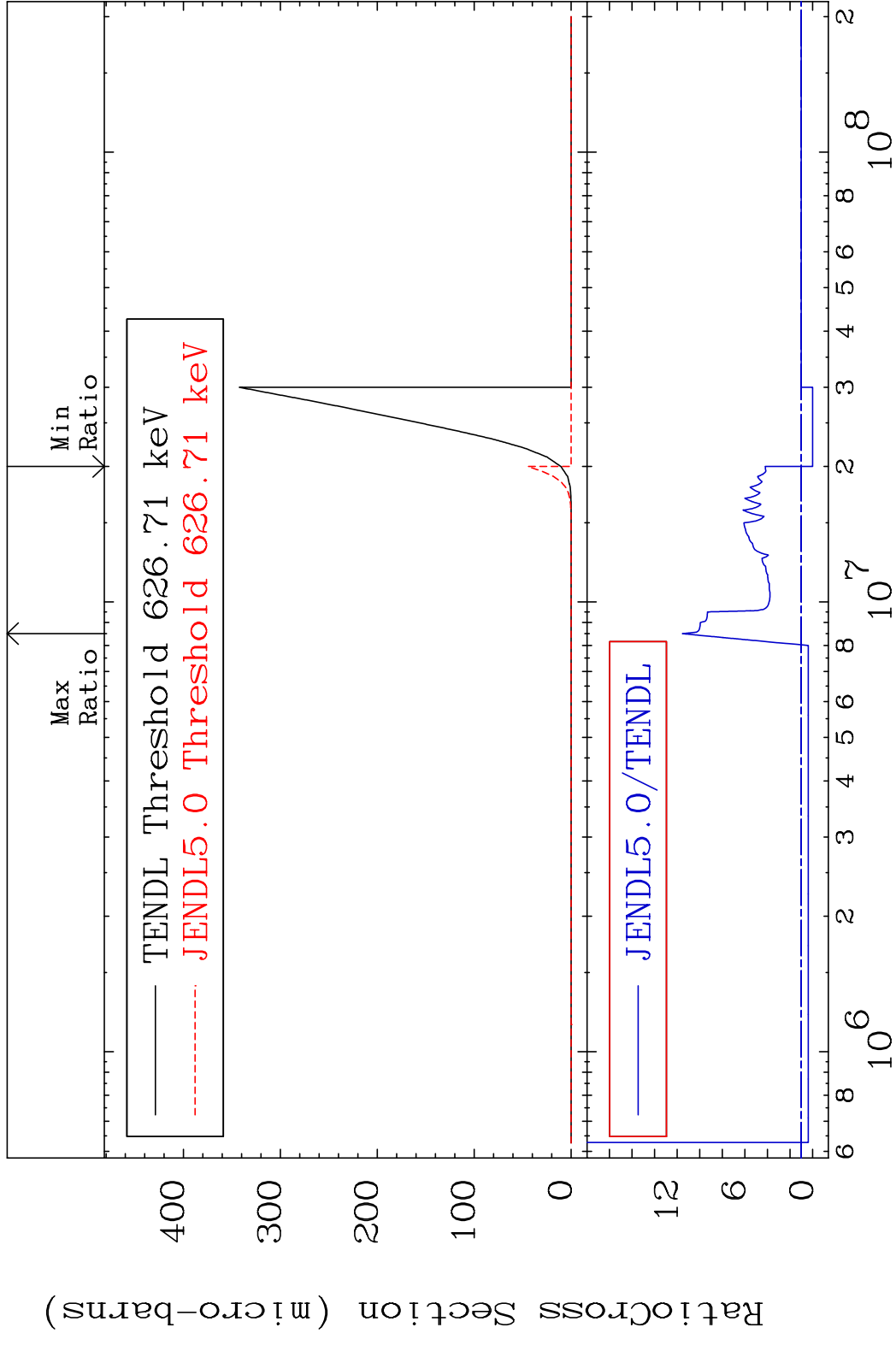


23

Incident Energy (eV)

38-Sr-82

MAT 3819 (n,2α) 38-Sr-82
 Cross Section -100.0 To 1054. %

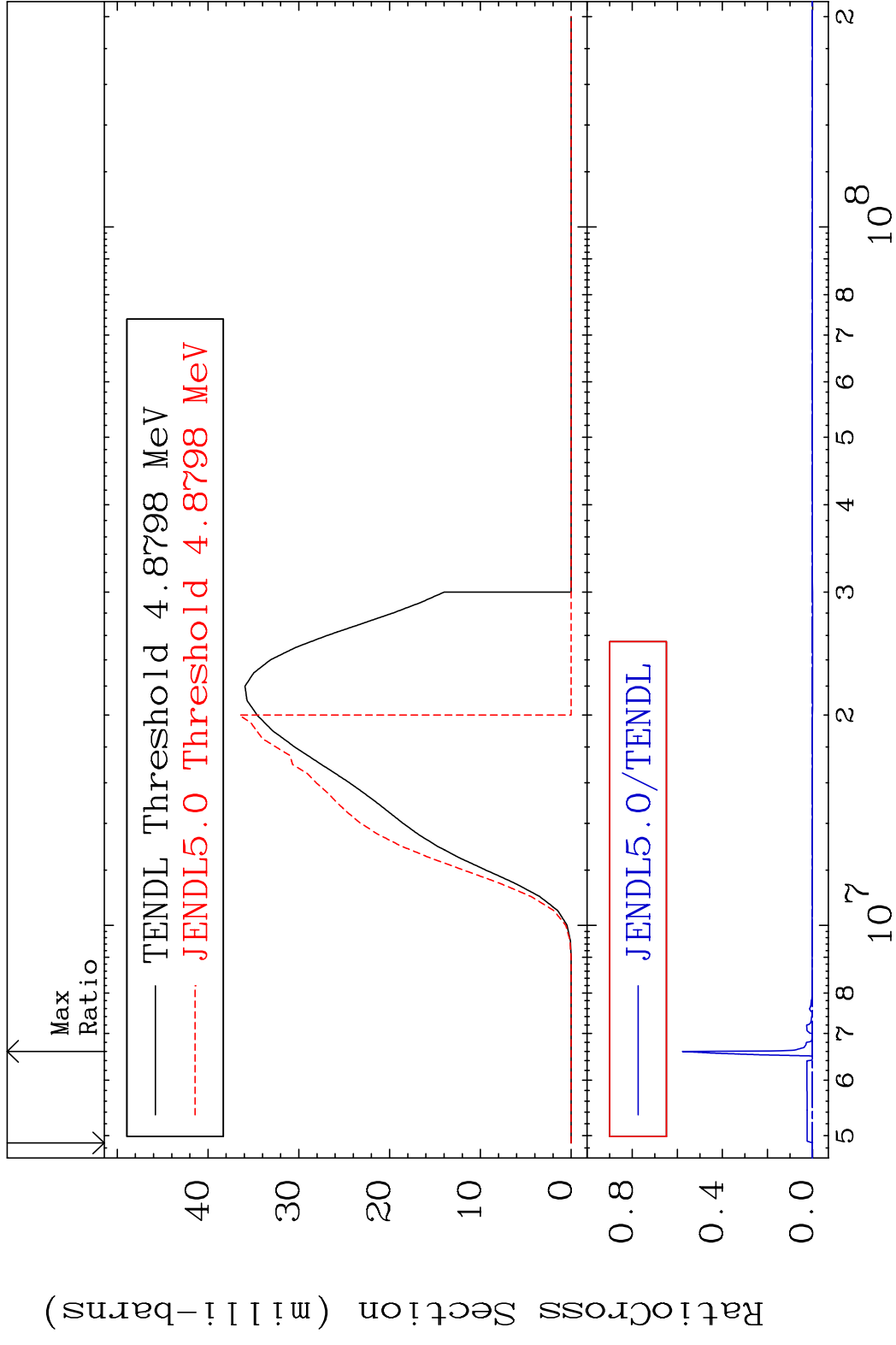


MAT 3819

(n,2p)

38-Sr-82

Cross Section -100.0 To 9999. %

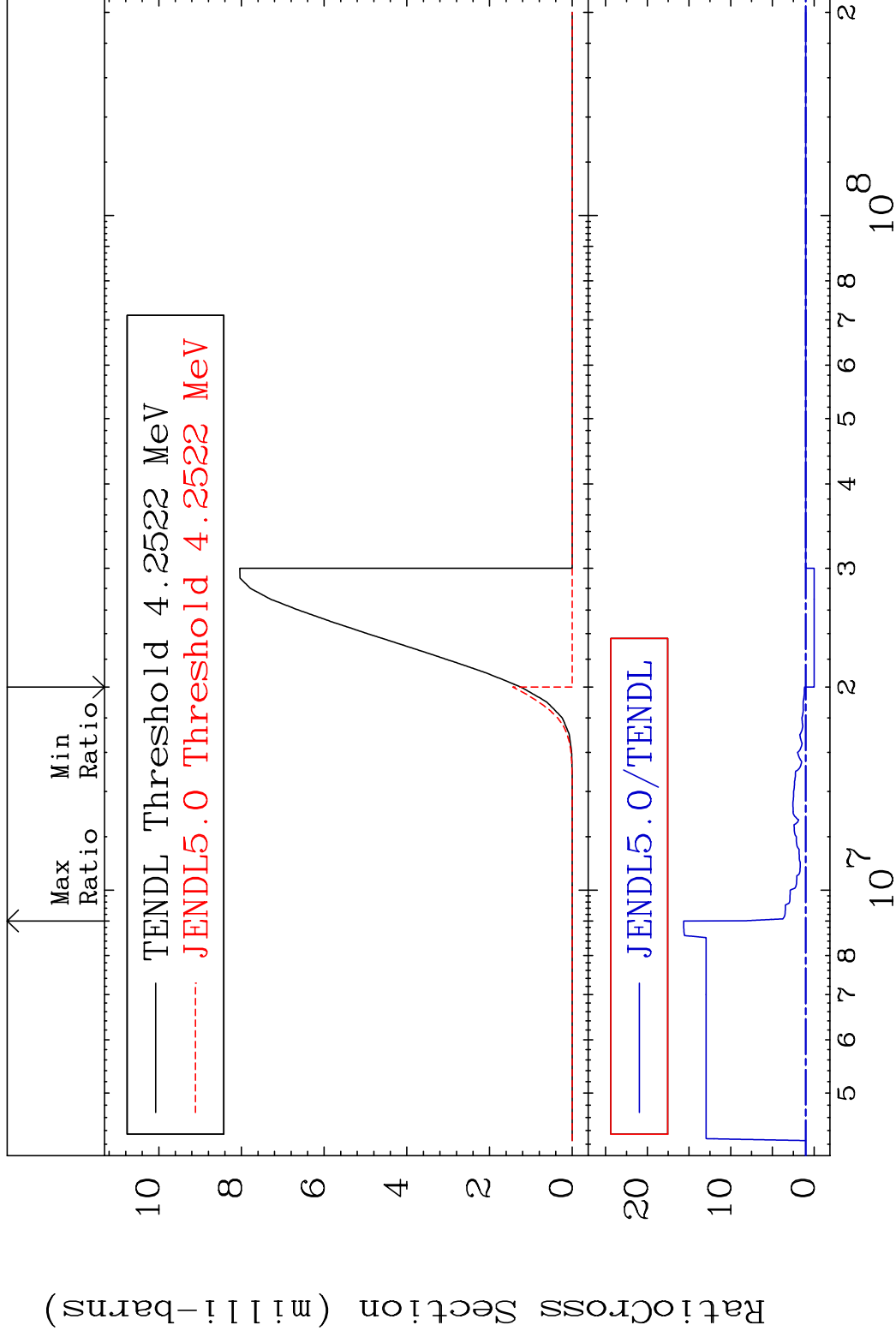


MAT 3819

(n,p) α

38-Sr-82

Cross Section -100.0 To 1464. %



26

Incident Energy (eV)

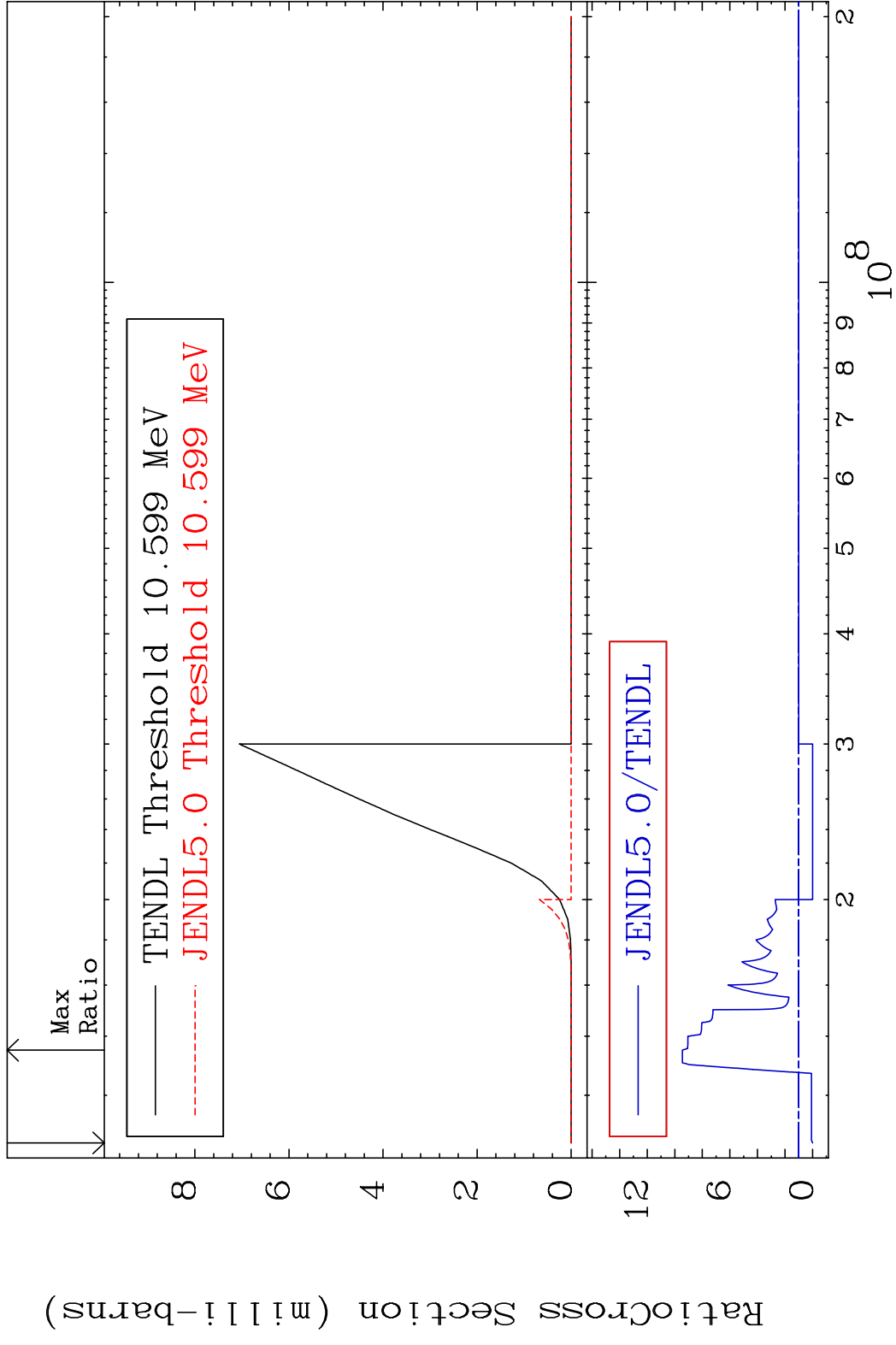
38-Sr-82

MAT 3819

(n,p) d

38-Sr-82

Cross Section -100.0 To 844.9 %

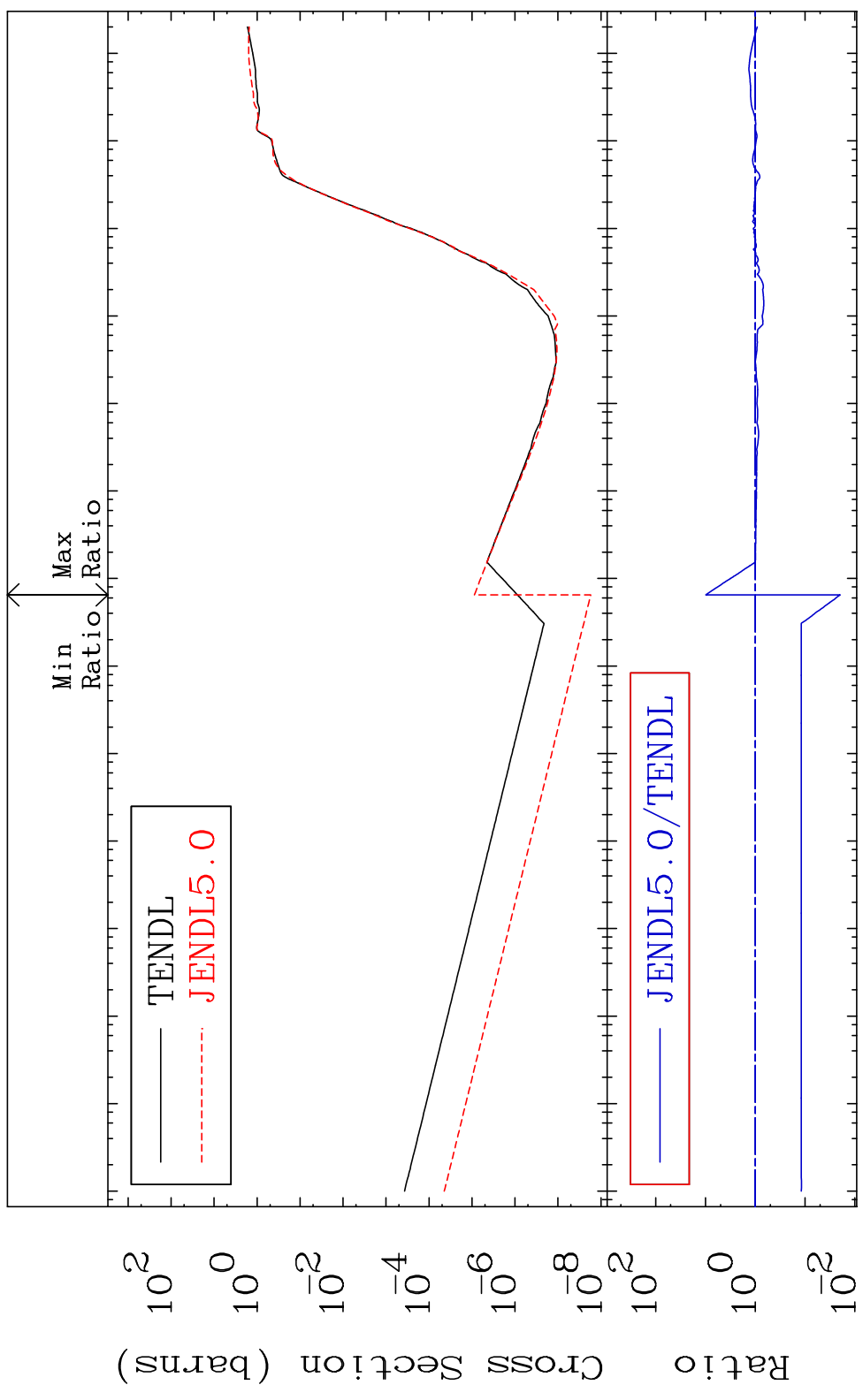


MAT 3819

Hydrogen Production

38-Sr-82

Cross Section -98.04 To 891.1 %

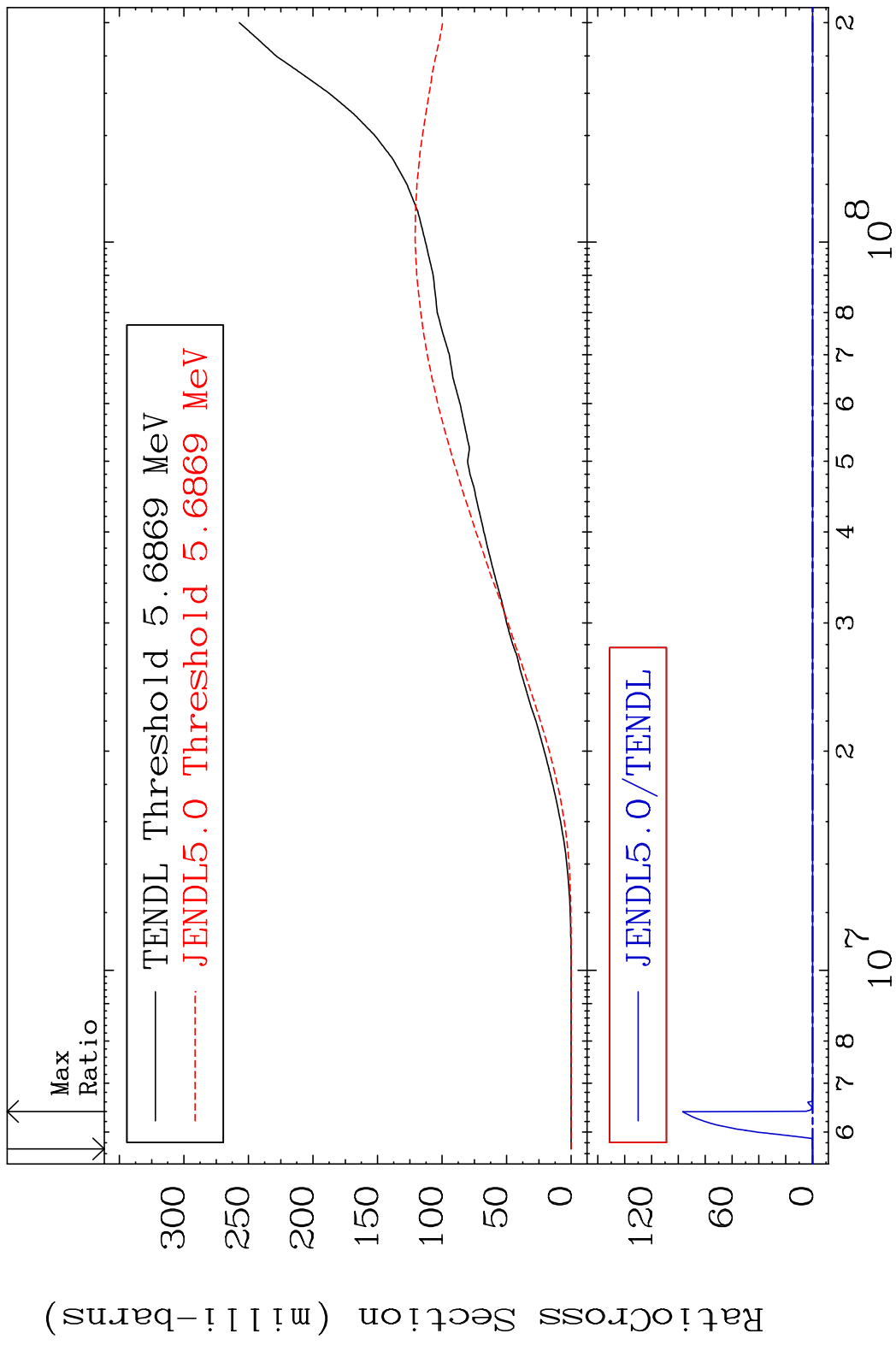


28

Incident Energy (eV)

38-Sr-82

MAT 3819 Deuterium Production 38-Sr-82
 Cross Section -100.0 To 9999. %



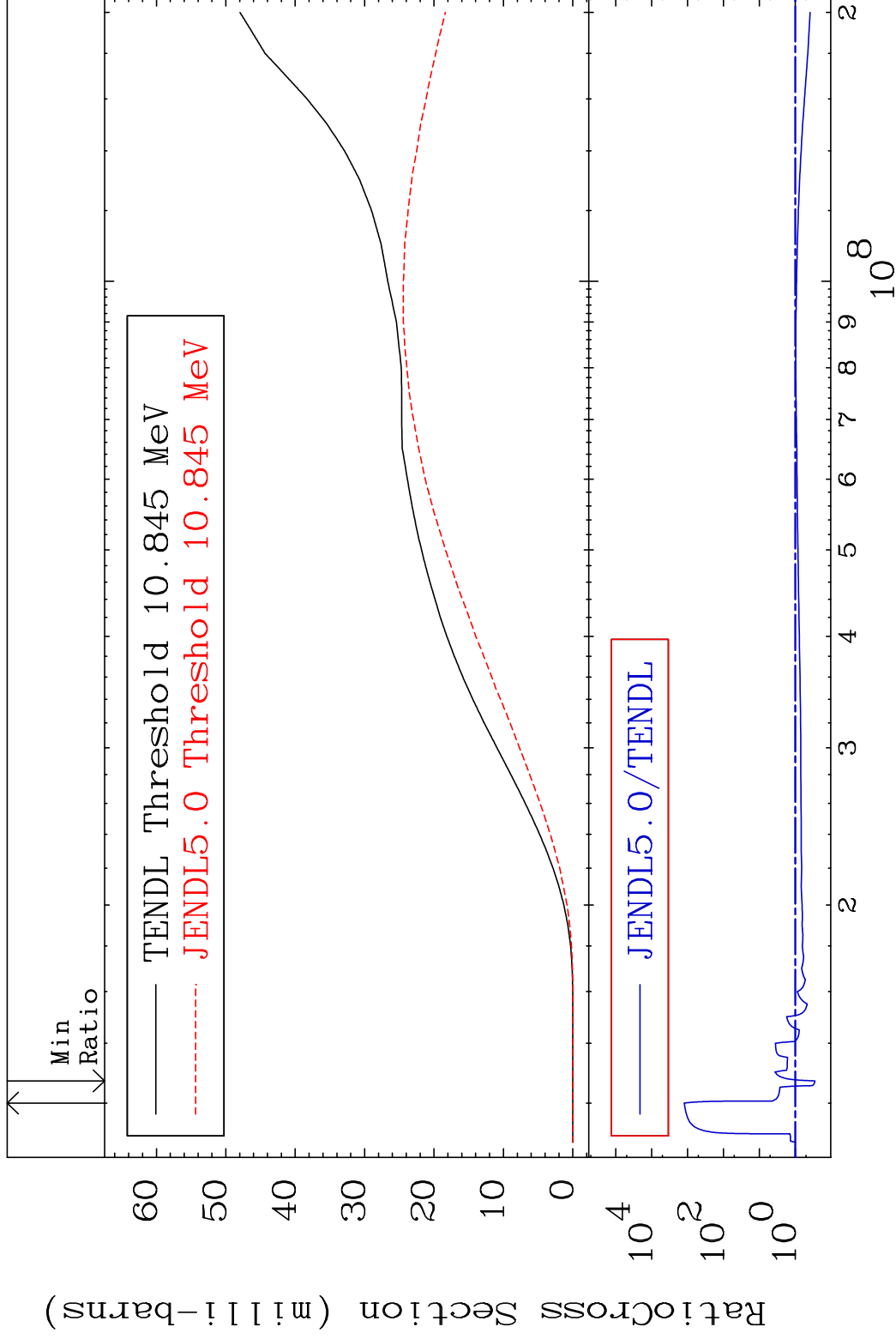
29 Incident Energy (eV) 38-Sr-82

MAT 3819

Tritium Production

38-Sr-82

Cross Section -71.70 To 9999. %

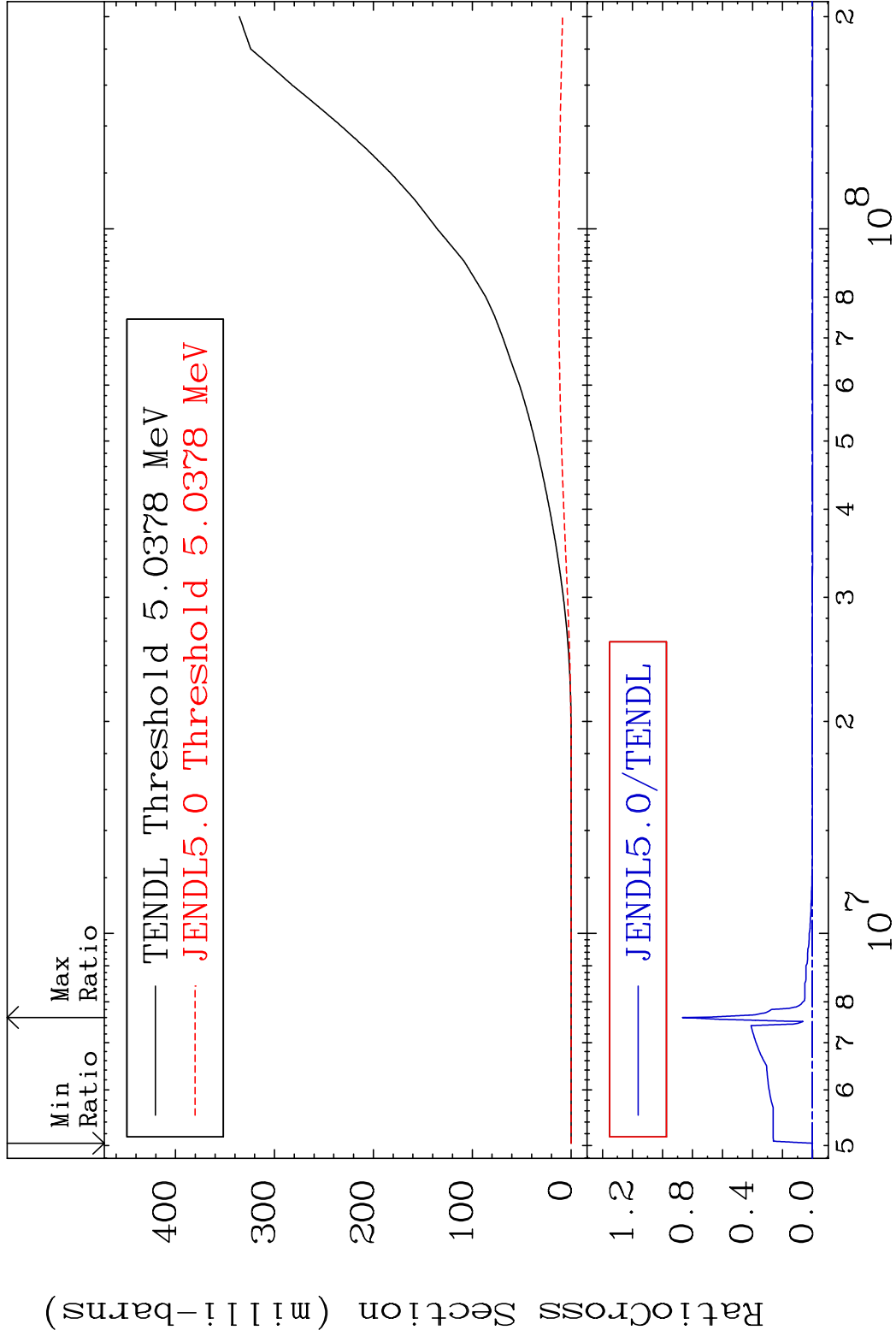


30

Incident Energy (eV)

38-Sr-82

Cross Section -100.0 To 9999. %

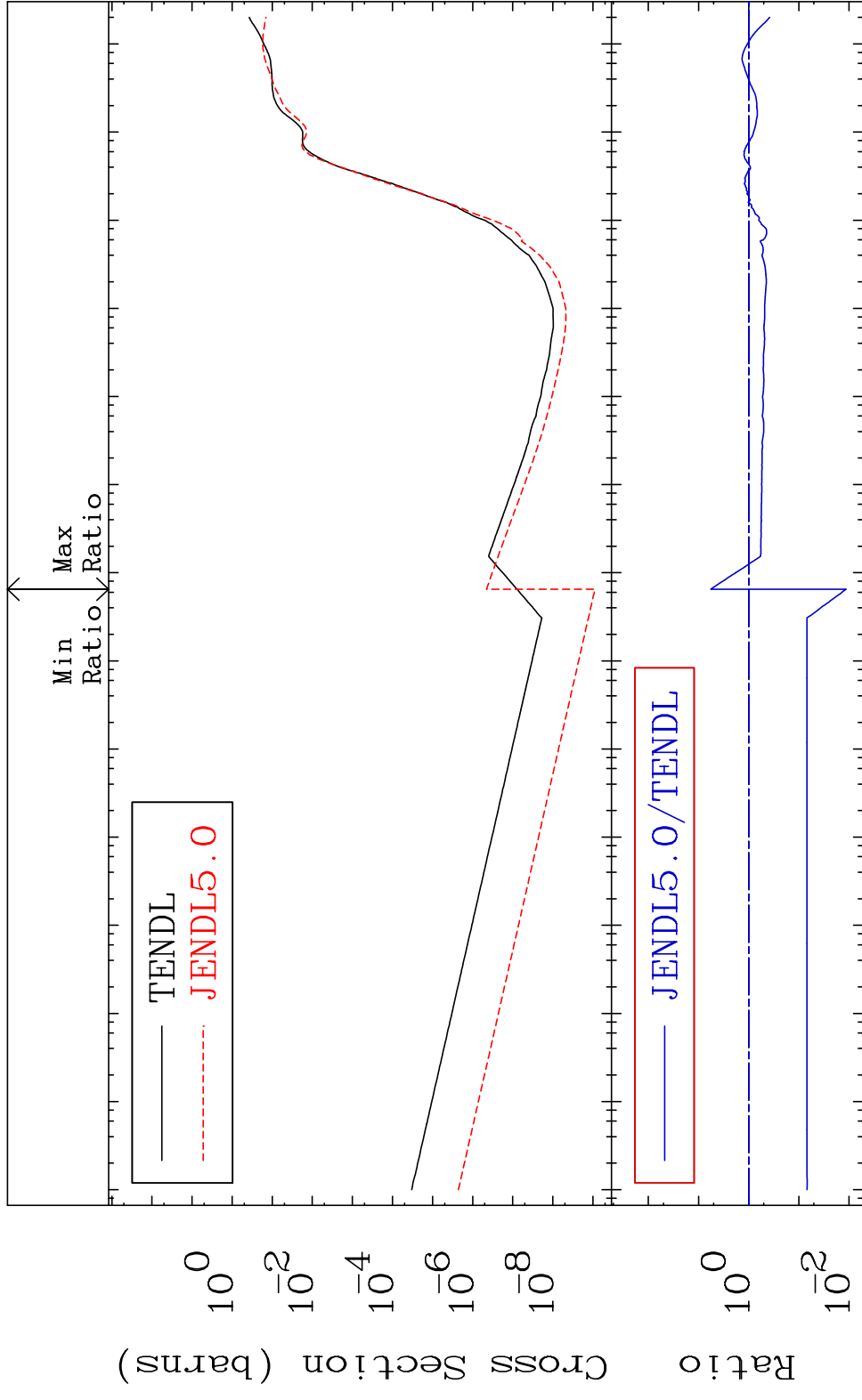


MAT 3819

He-4 Production

38-Sr-82

Cross Section -98.87 To 471.4 %

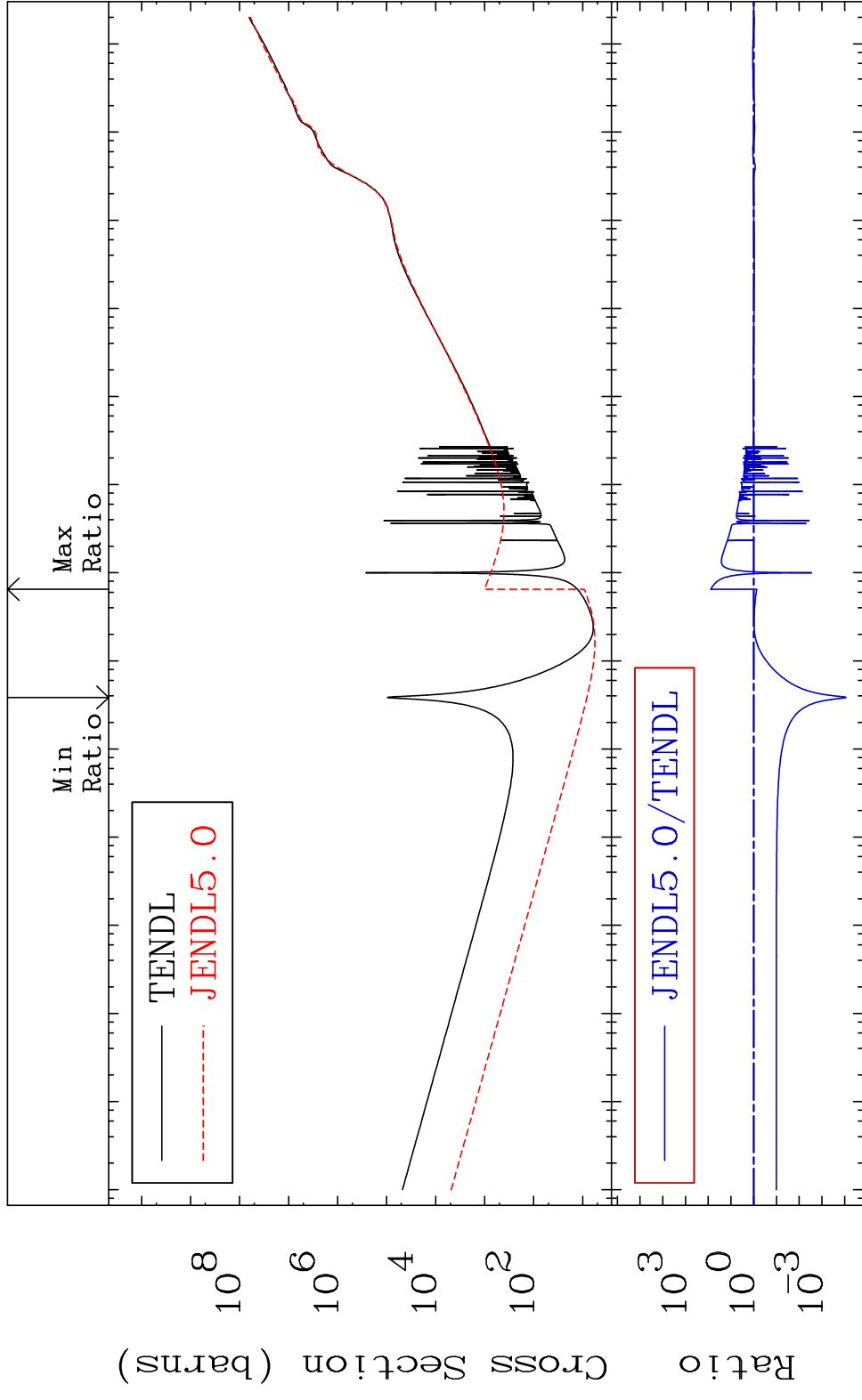


32

Incident Energy (eV)

38-Sr-82

MAT 3819 Kerma total (eV-barns) 38-Sr-82
 Cross Section -99.99 To 7681. %



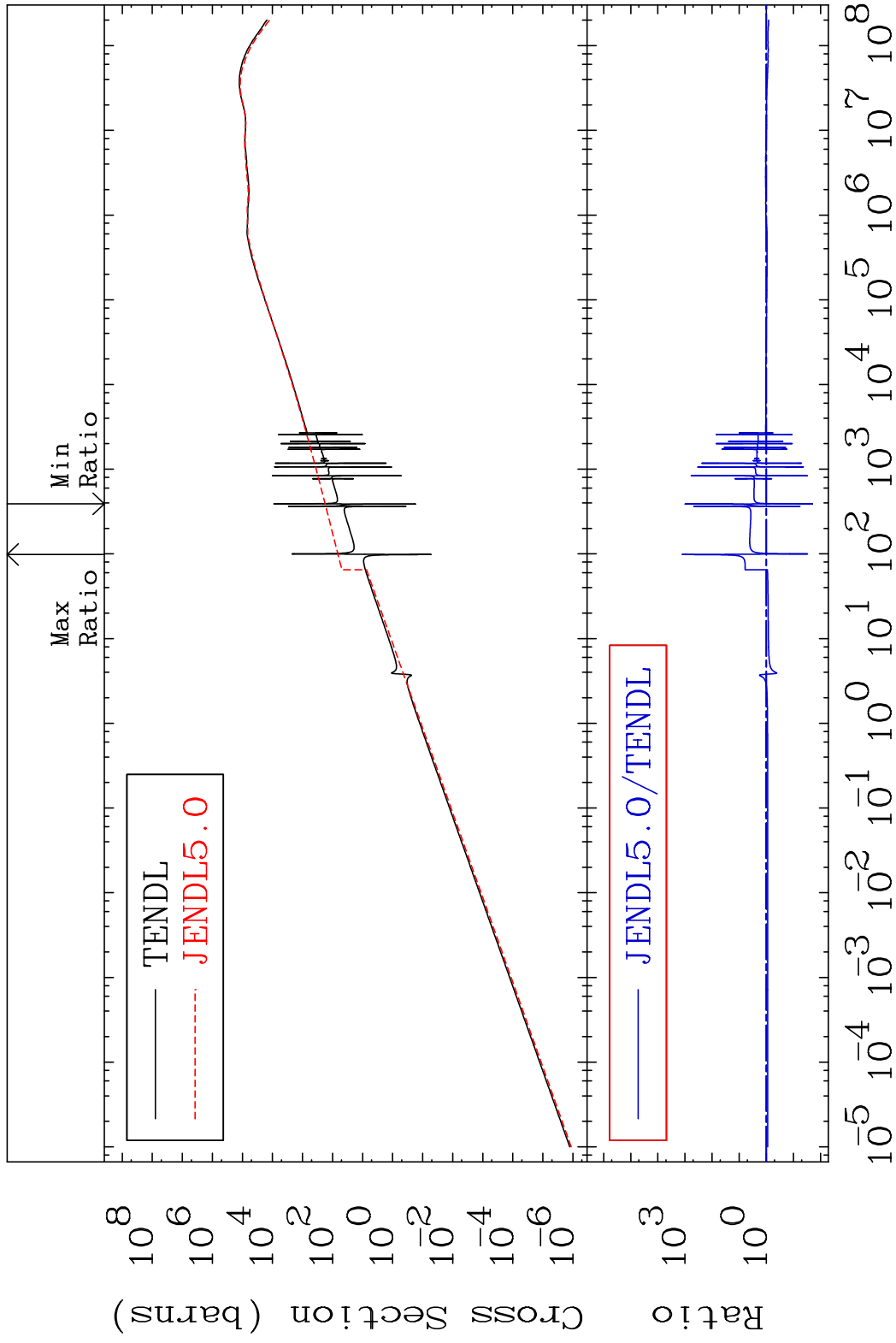
33 Incident Energy (eV) 38-Sr-82

MAT 3819

Kerma elastic

38-Sr-82

Cross Section -98.02 To 9999. %

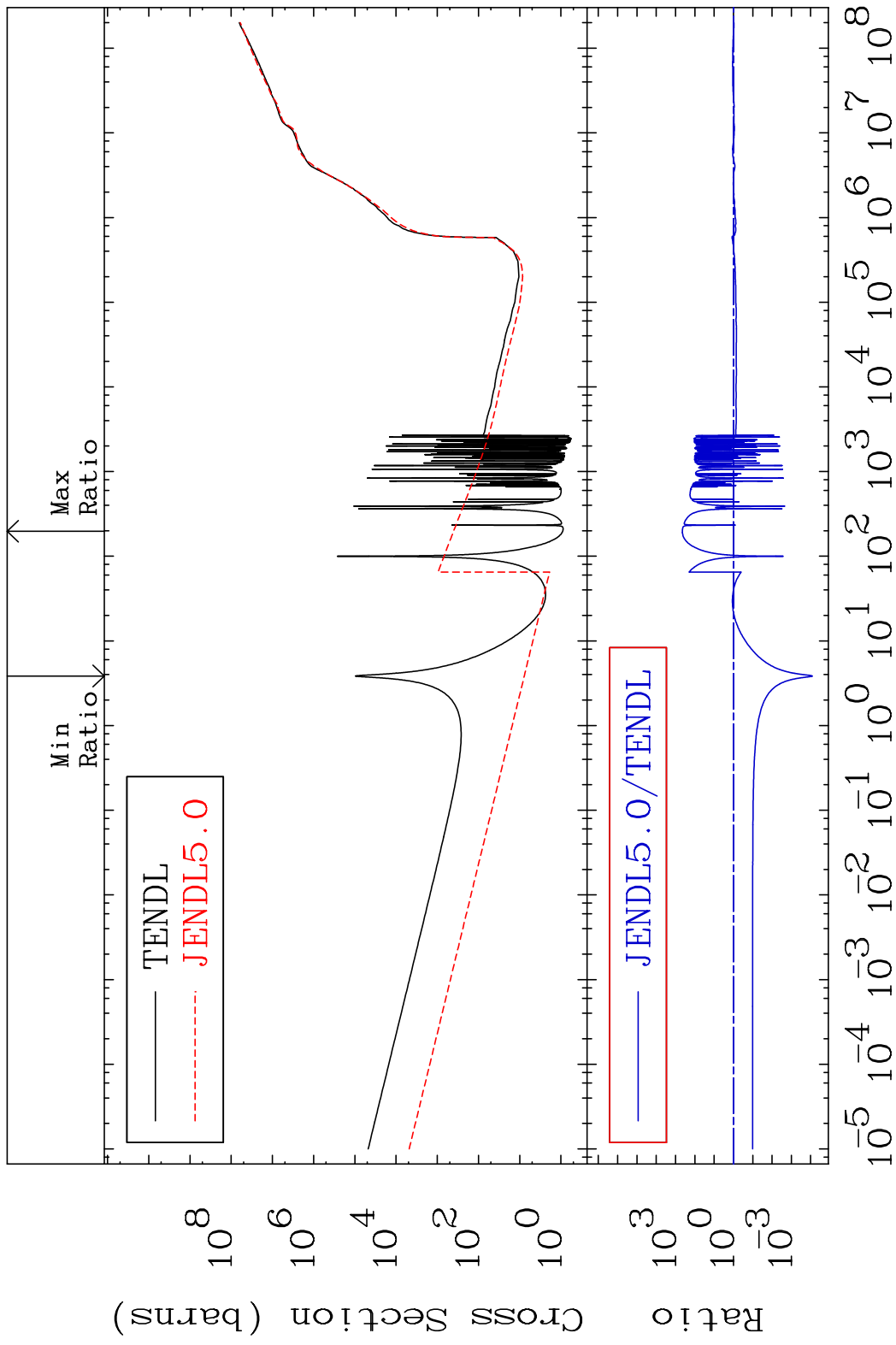


34

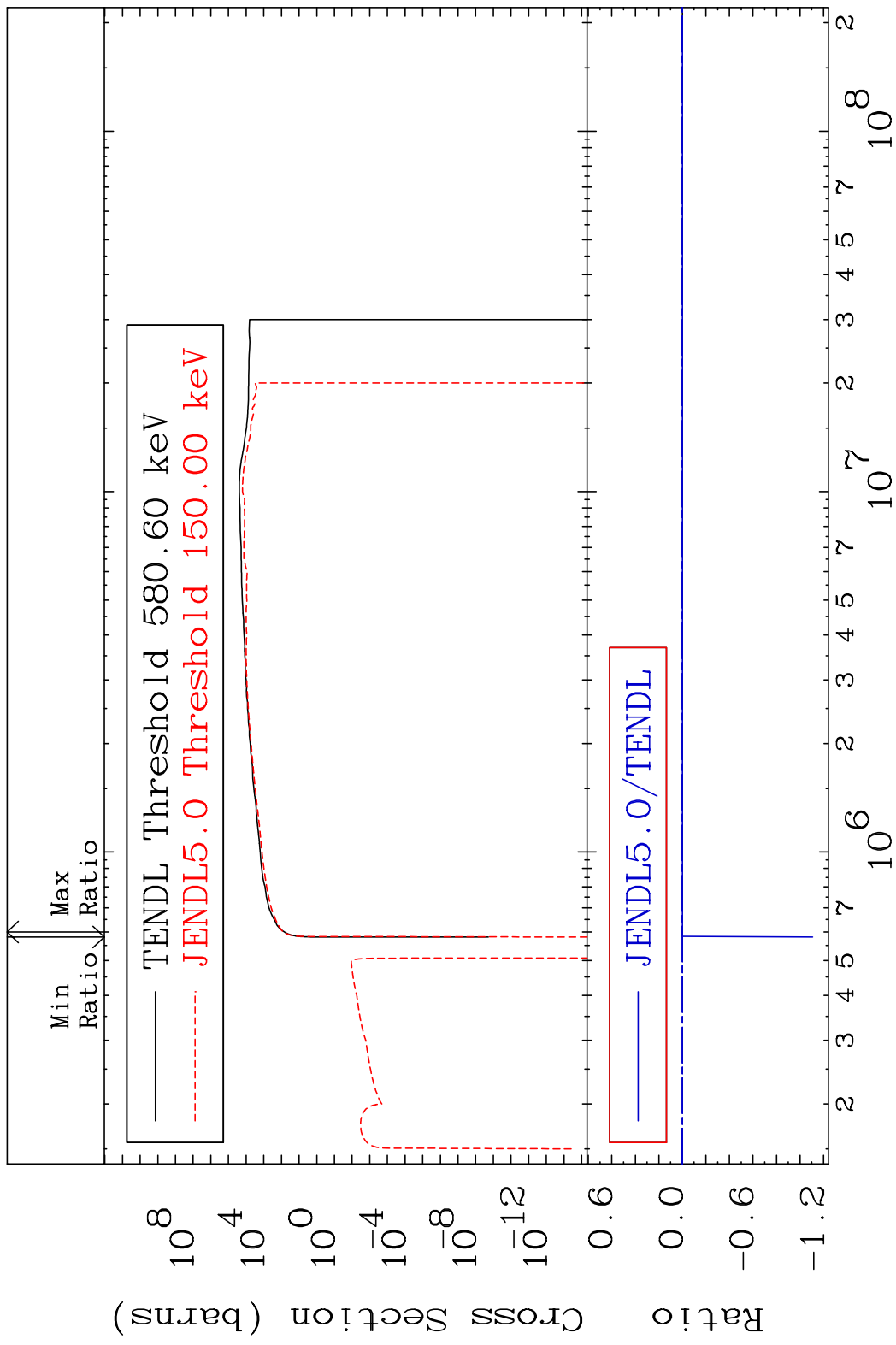
Incident Energy (eV)

38-Sr-82

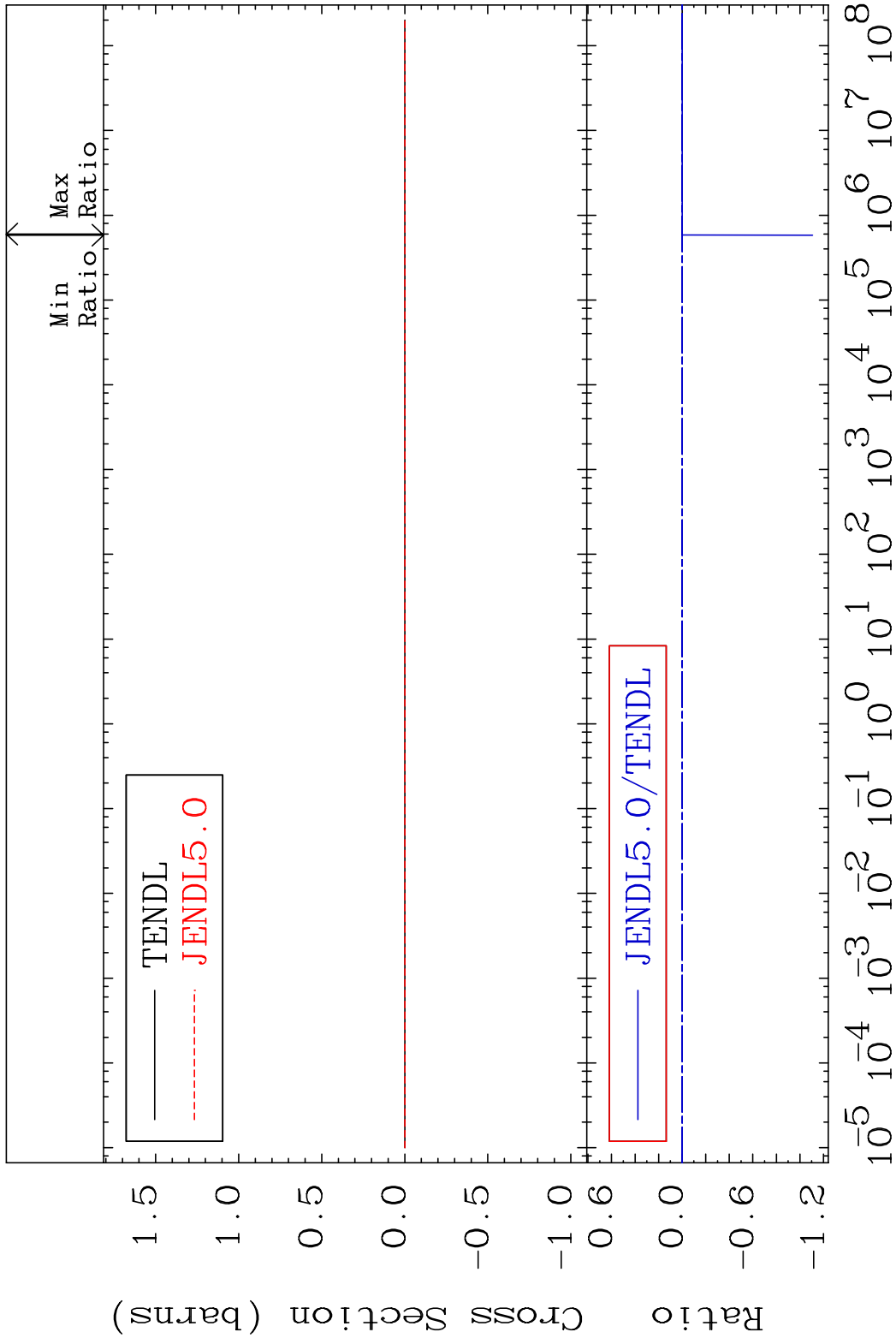
MAT 3819 Kerma non-elastic (all but mt2) 38-Sr-82
 Cross Section -99.99 To 9999. %



MAT 3819 Kerma inelastic (mt51-91) 38-Sr-82
 Cross Section -9999. To 17.66 %



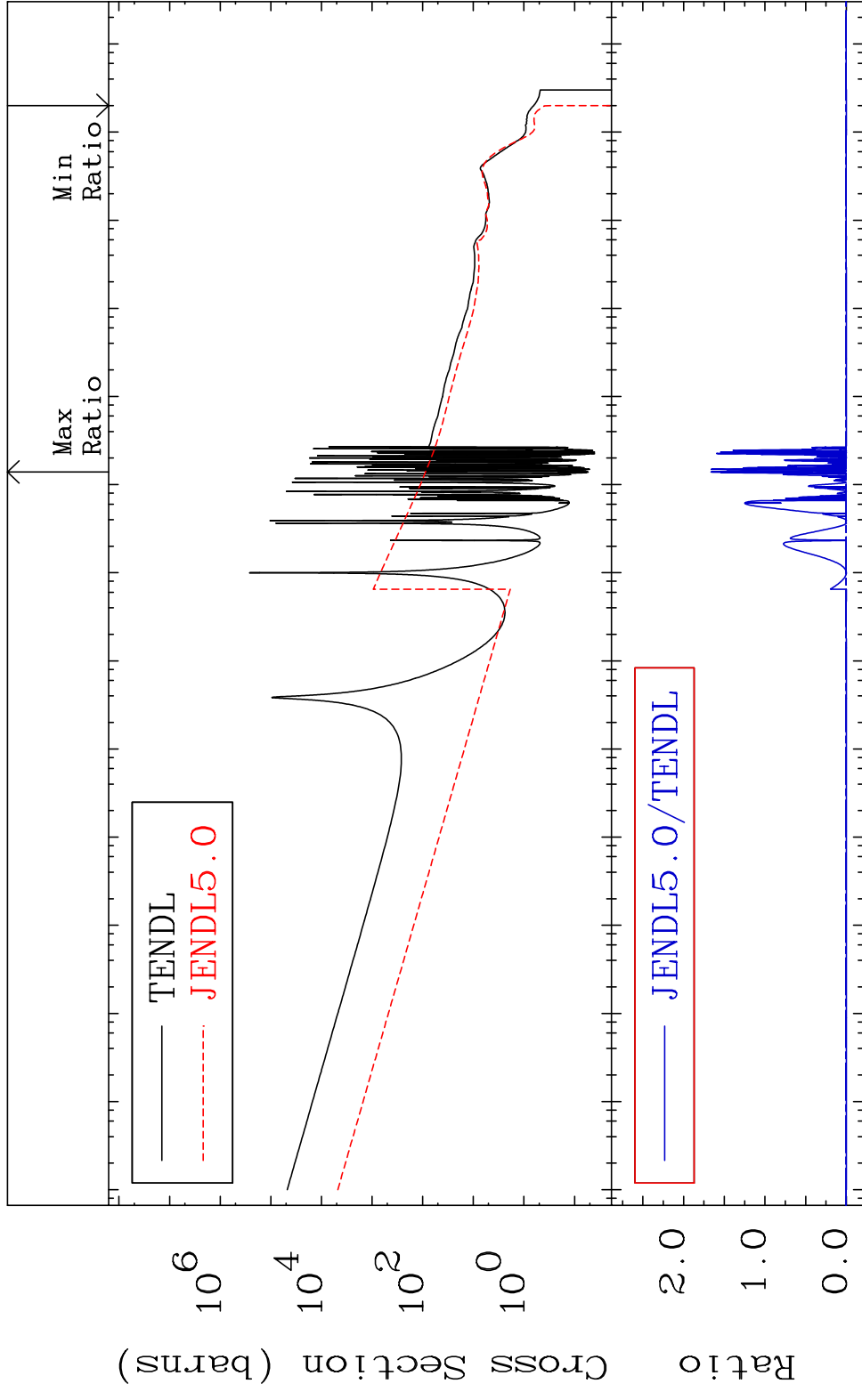
MAT 3819 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-82
 Cross Section -9999. To 17.66 %



MAT 3819

Kerma capture (mt102) 38-Sr-82

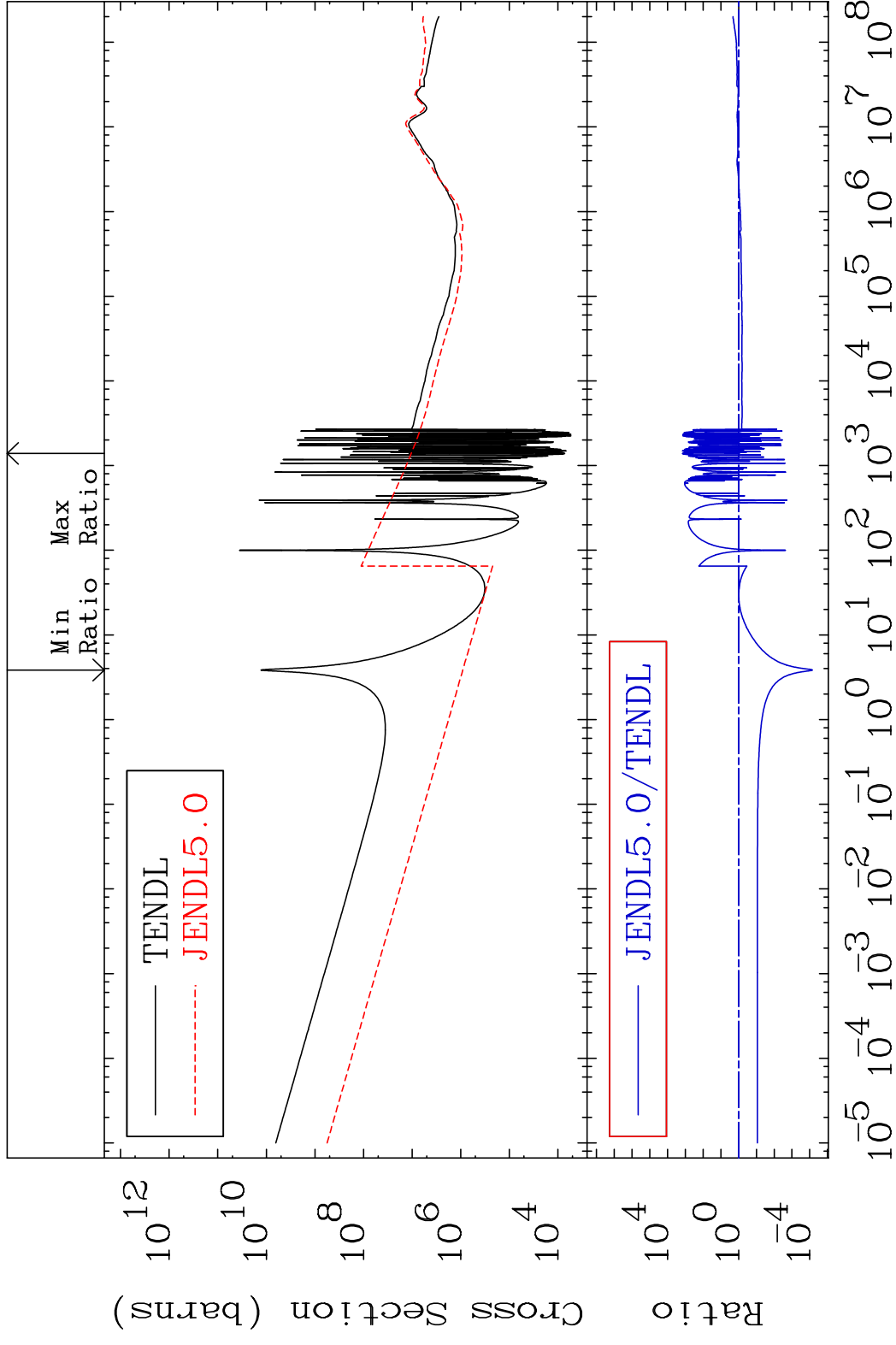
Cross Section -100.0 To 9999. %



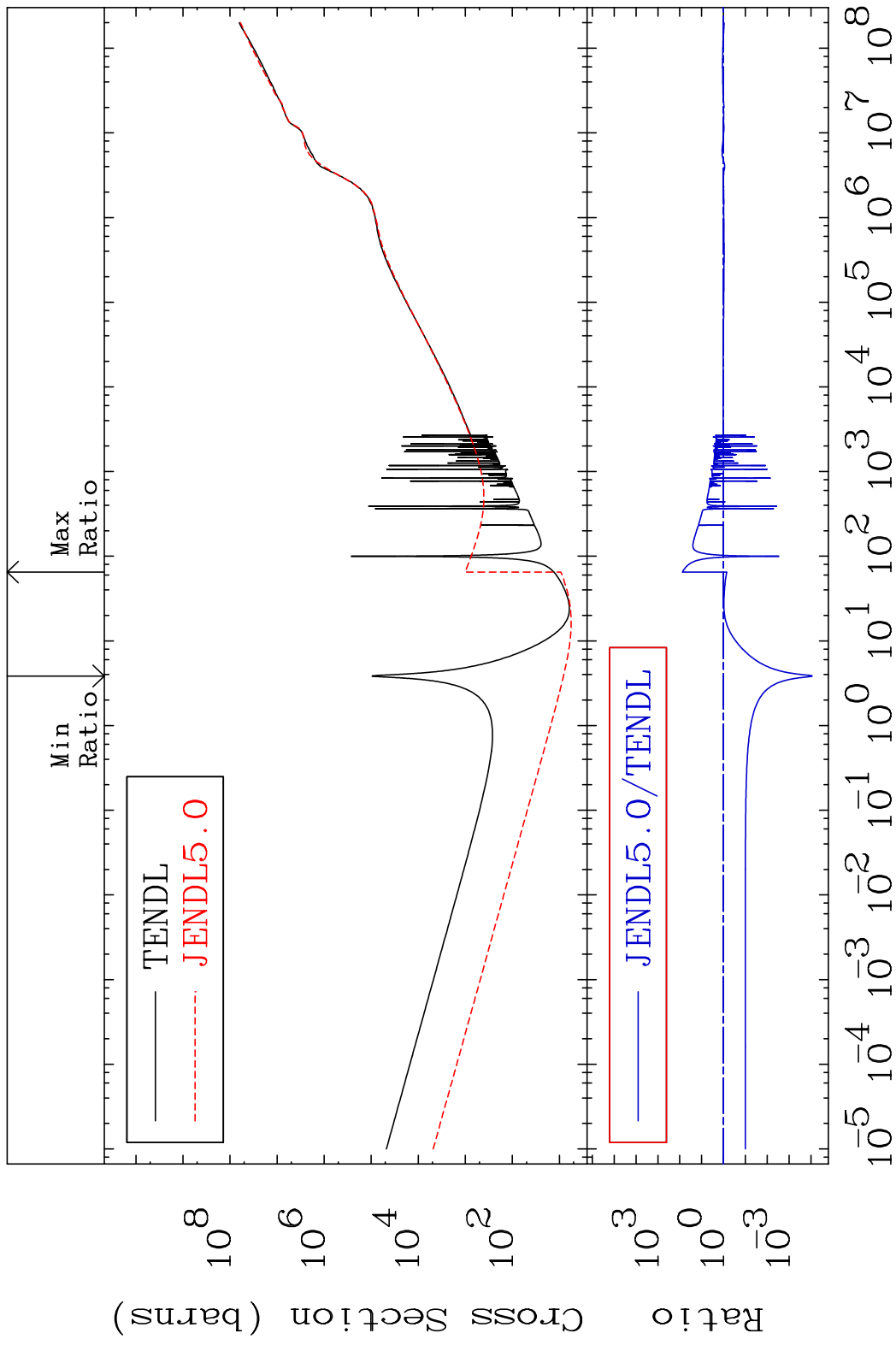
38

Incident Energy (eV)

38-Sr-82



MAT 3819 Total kinematic kerma (high limit) 38-Sr-82
 Cross Section -99.99 To 7507. %



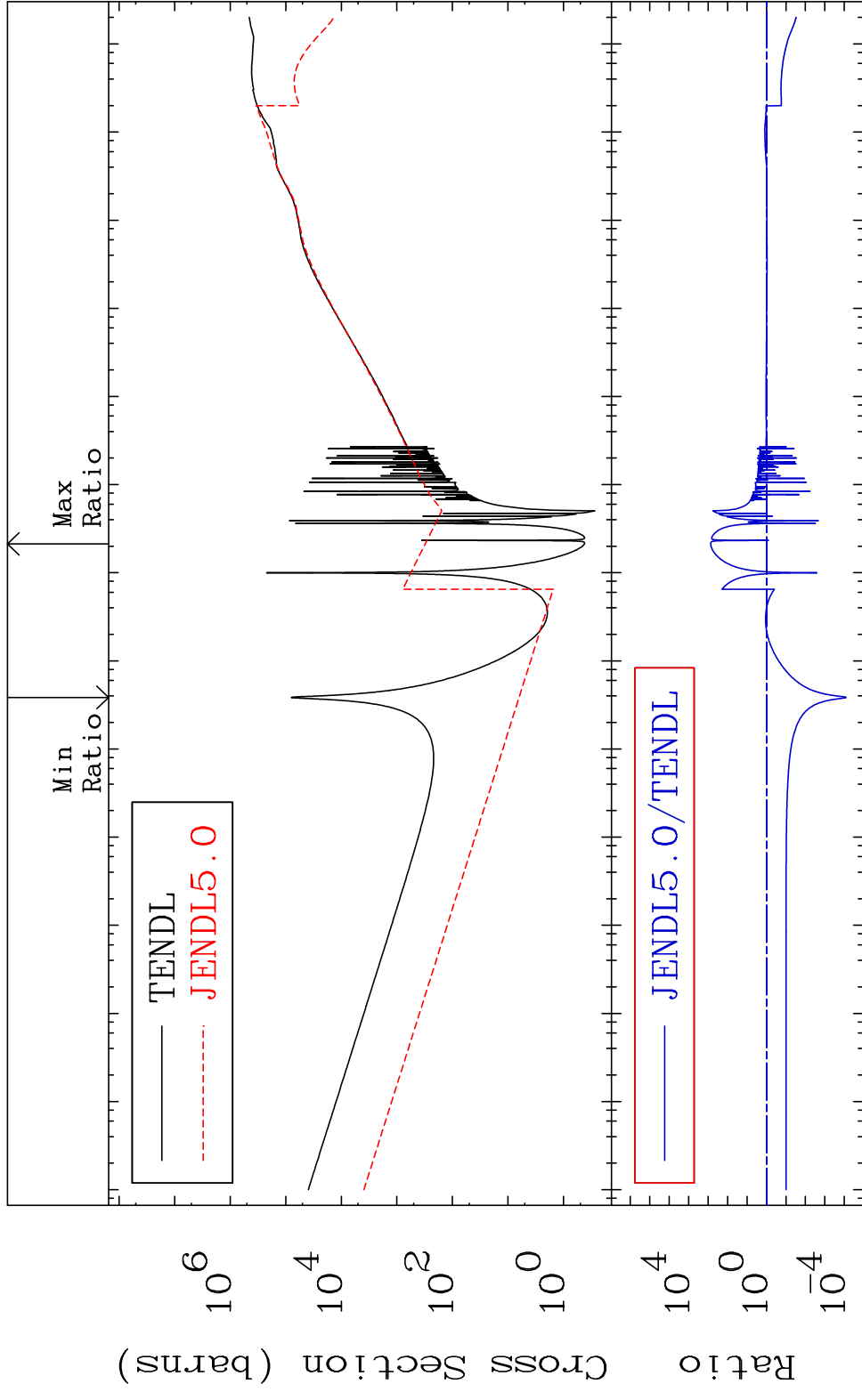
40 Incident Energy (eV) 38-Sr-82

MAT 3819

Dpa total (eV-barns)

38-Sr-82

Cross Section -99.99 To 9999. %



41

Incident Energy (eV)

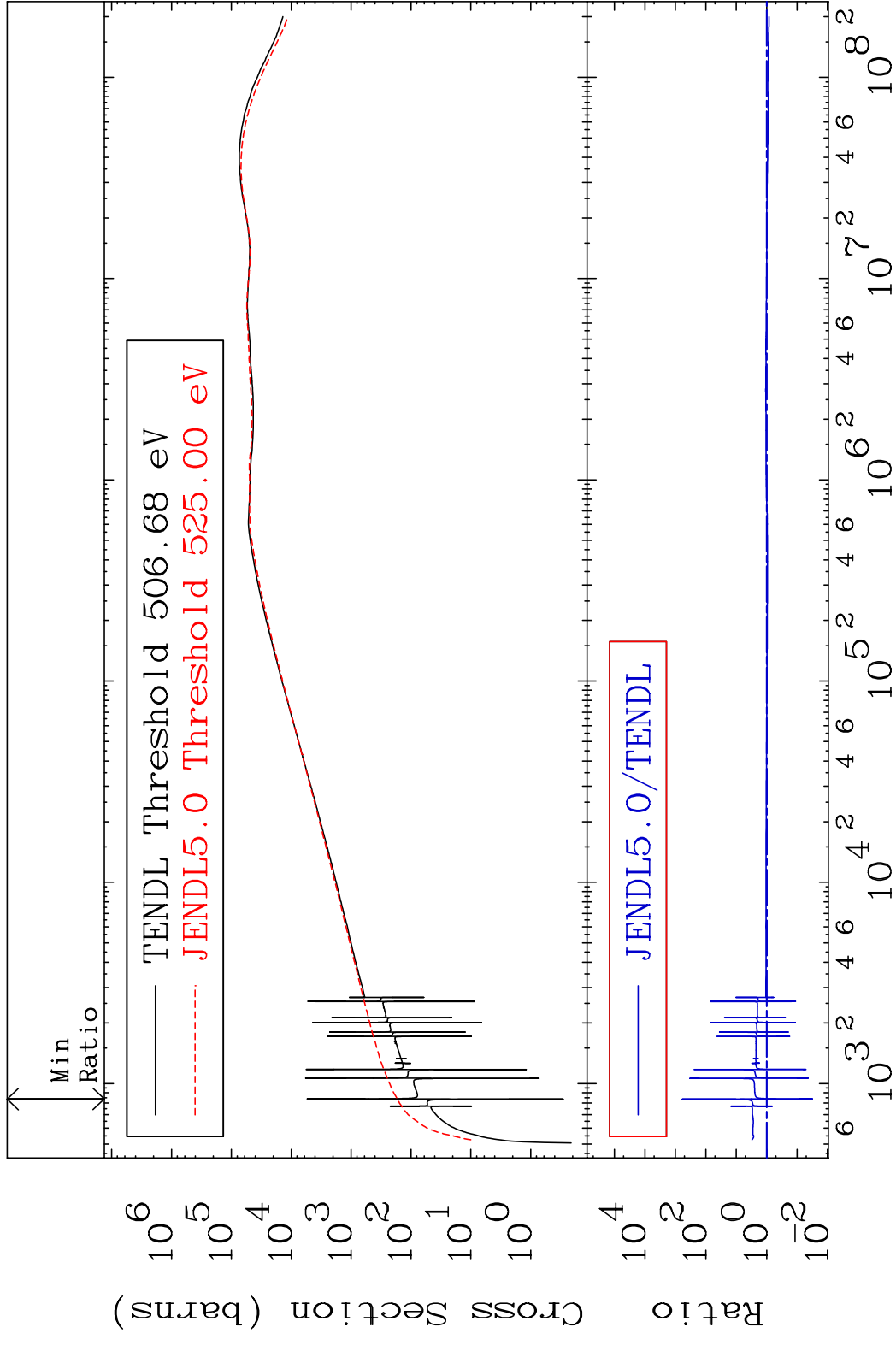
38-Sr-82

MAT 3819

Dpa elastic (mt2)

38-Sr-82

Cross Section -96.89 To 9999. %

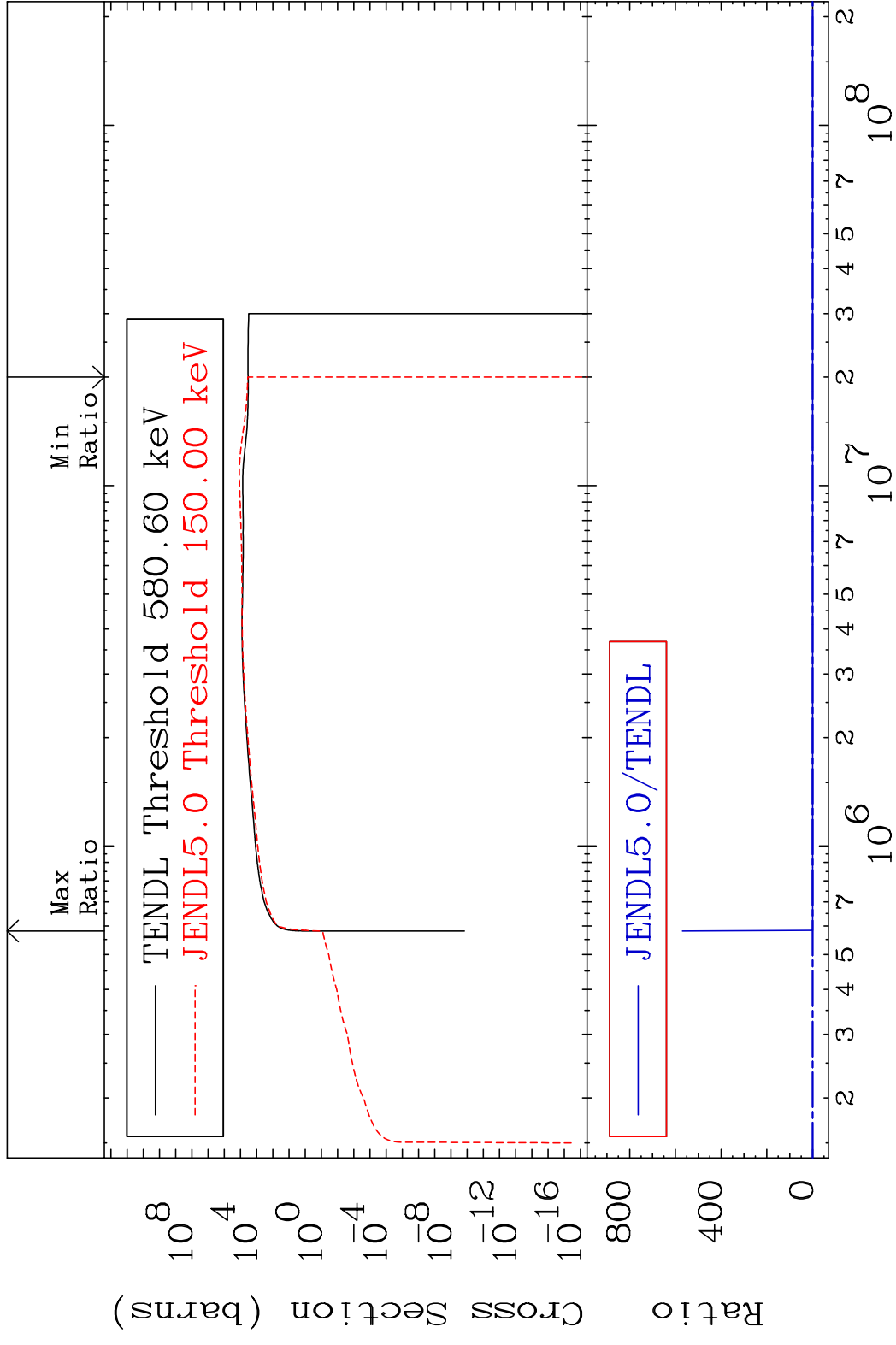


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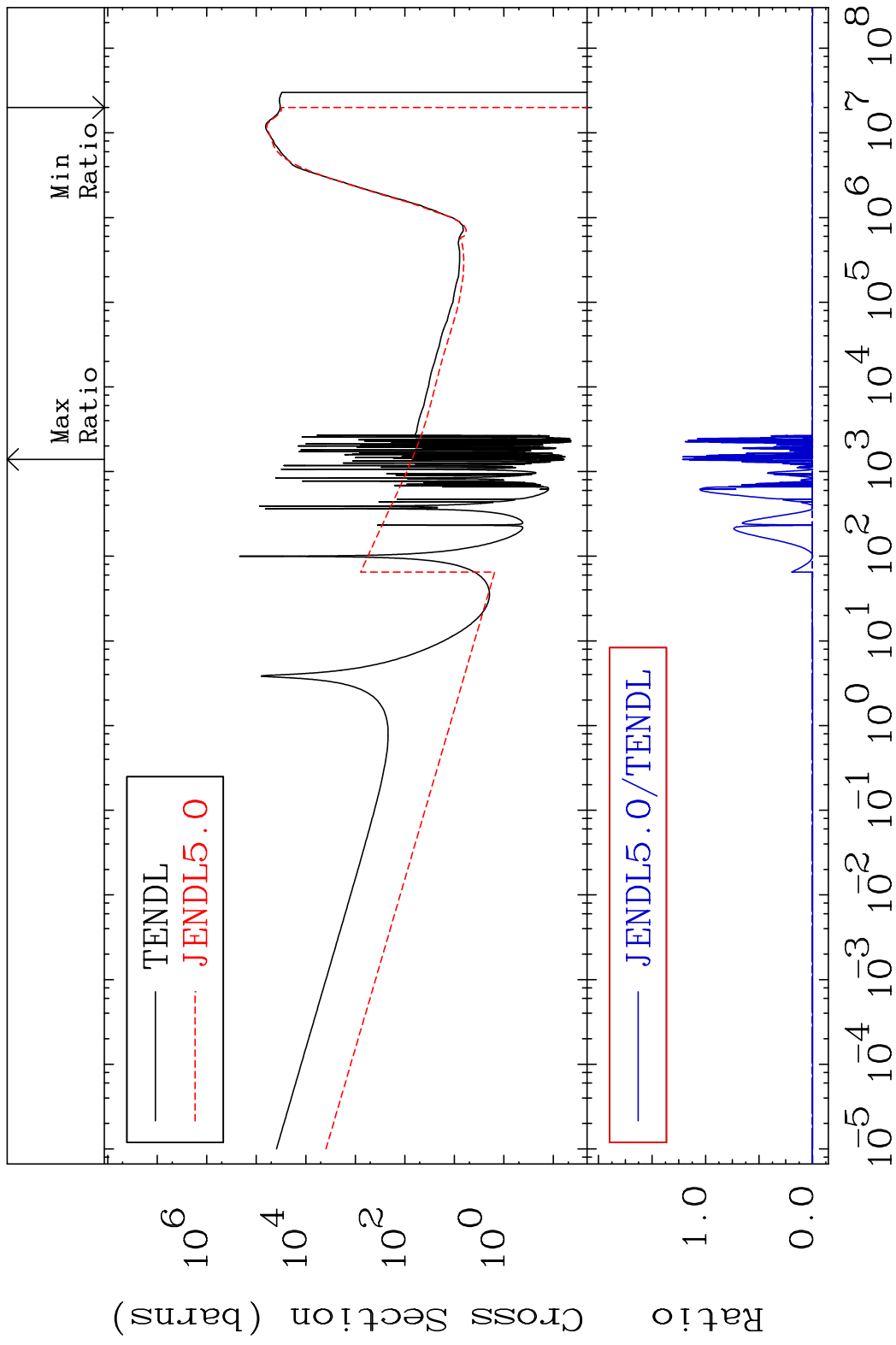
Incident Energy (eV)

38-Sr-82

Cross Section -100.0 To 9999. %

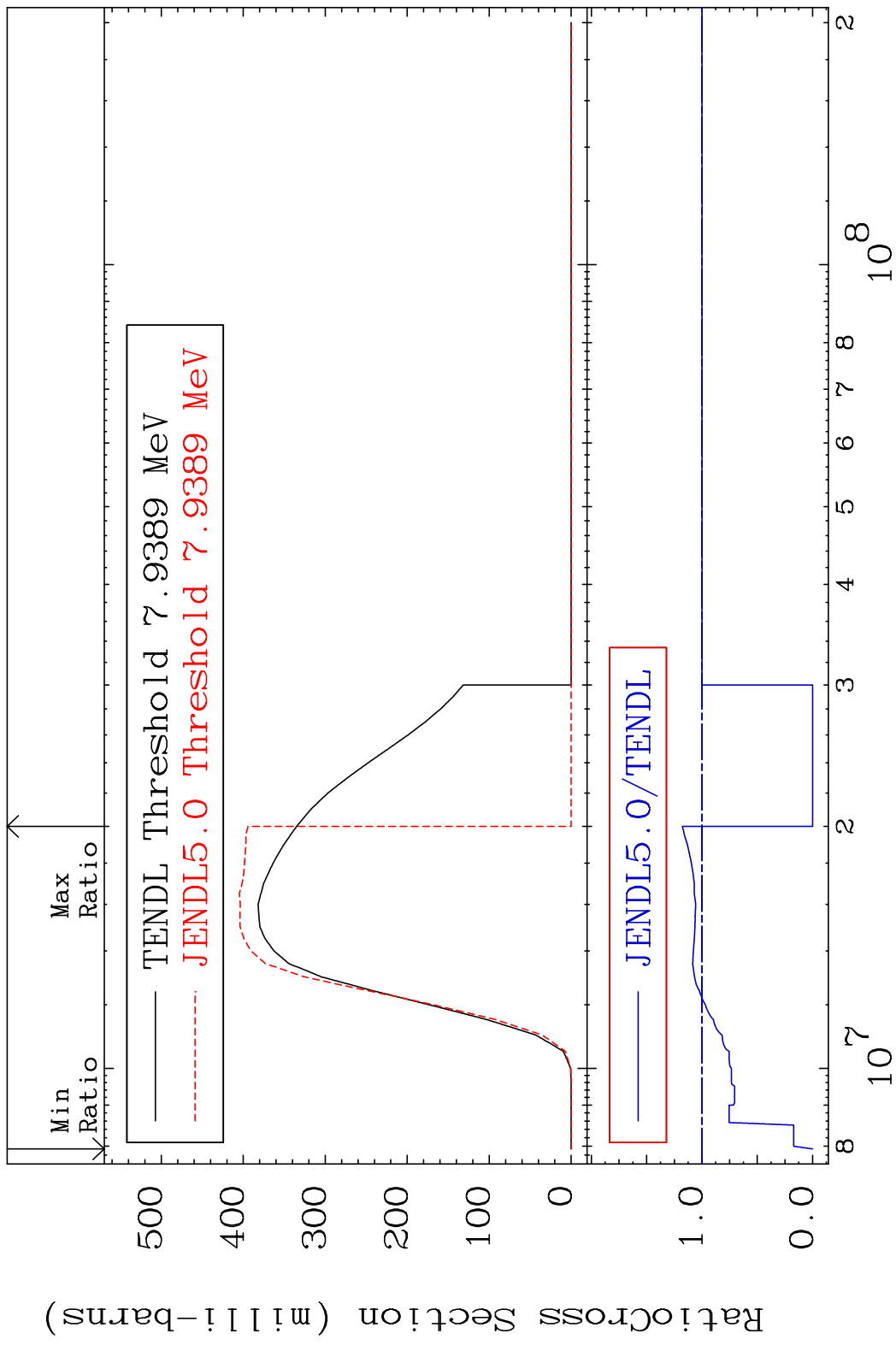


MAT 3819 Dpa disappearance (mt102 -120) 38-Sr-82
 Cross Section -100.0 To 9999. %

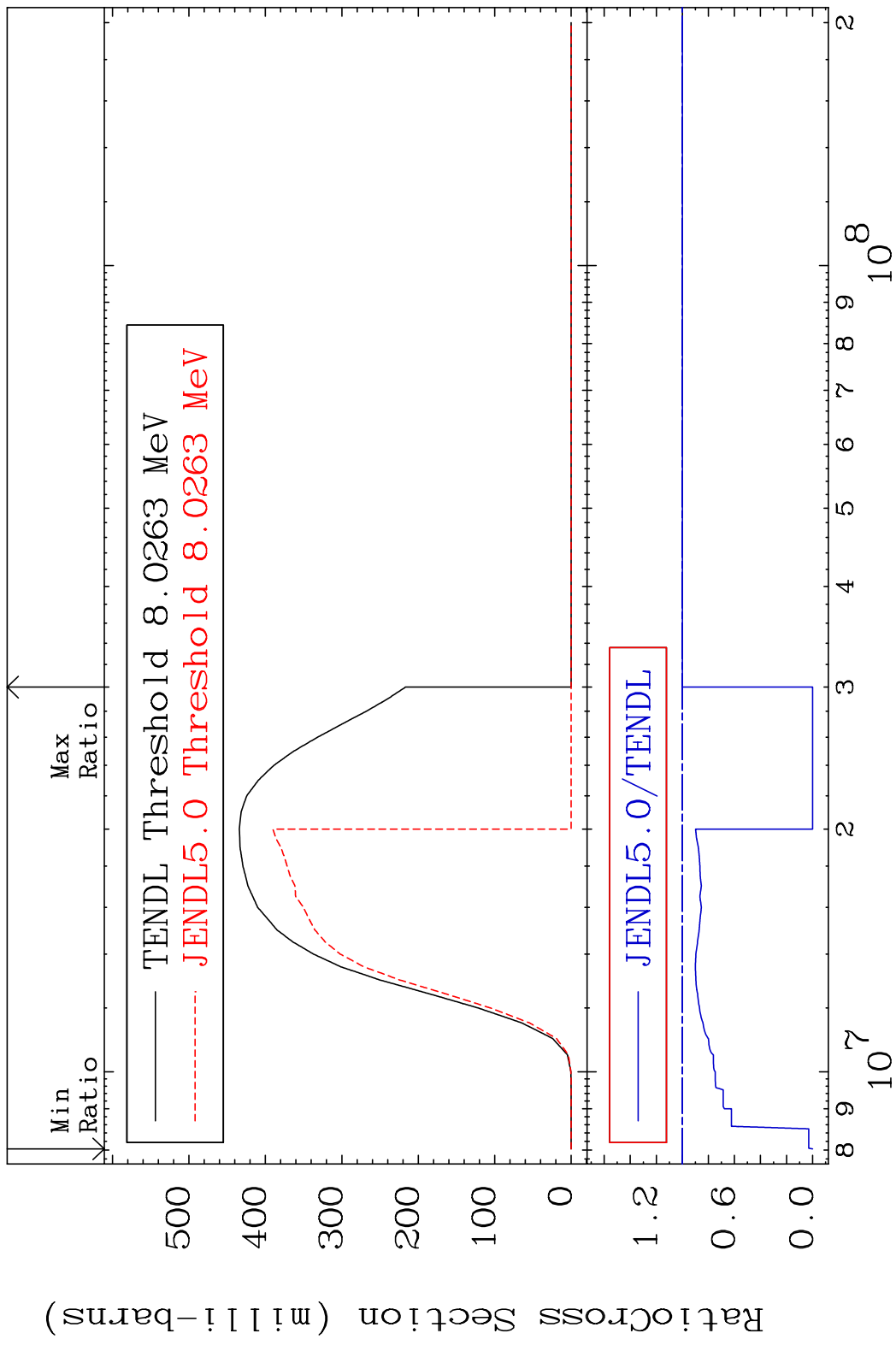


44 Incident Energy (eV) 38-Sr-82

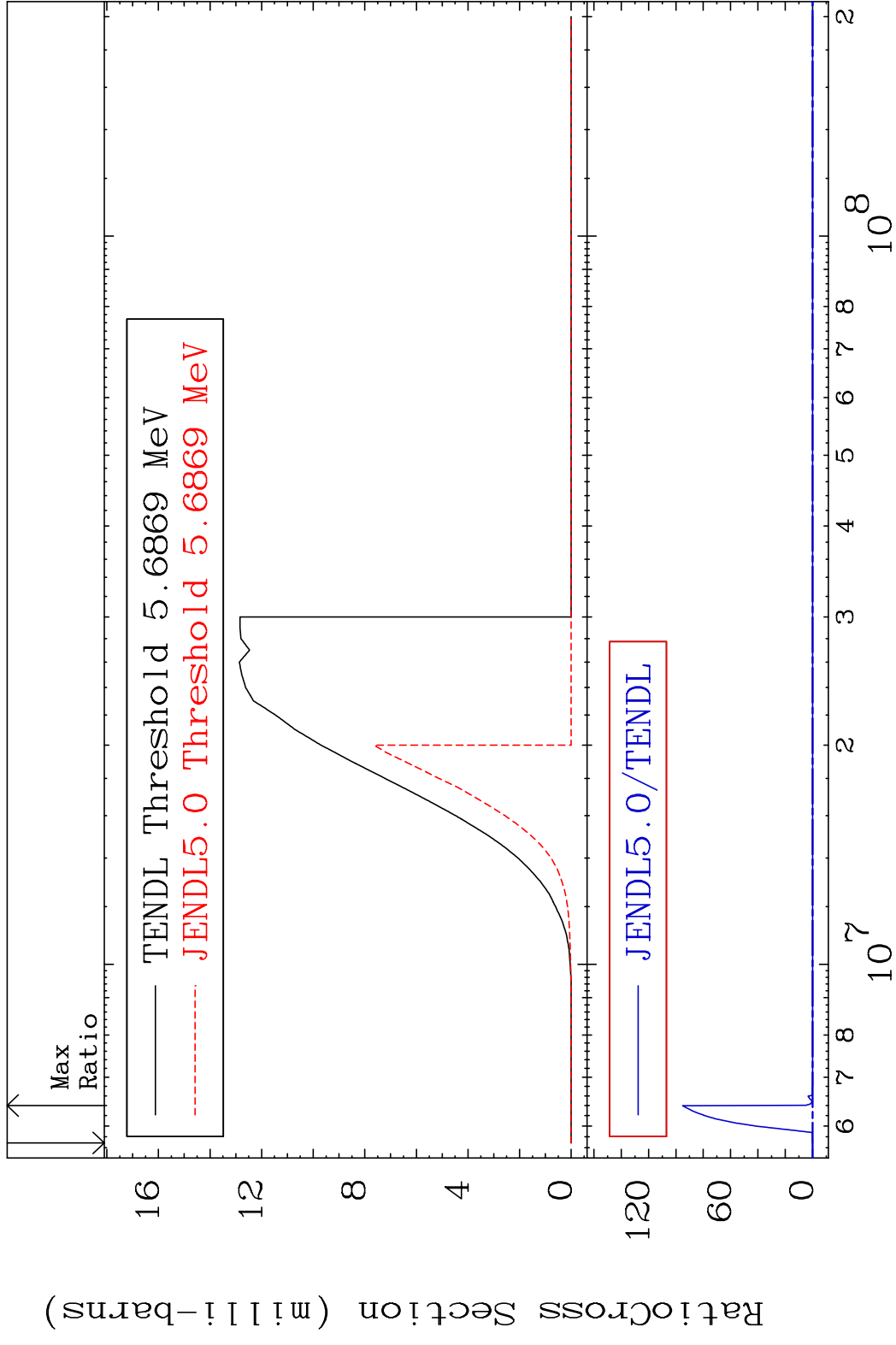
MAT 3819 (n, n') p:37-Rb-81g 38-Sr-82
 Radionuclide Production Cross Section Ratio 18.00 to 17.72 %



MAT 3819 (n, n') p:37-Rb-81m1 38-Sr-82
 Radionuclide Production Cross Section Ratio 0.000 %



MAT 3819 (n,d):37-Rb-81g 38-Sr-82
 Radionuclide Production Cross Section Ratio



MAT 3819 (n,d):37-Rb-81m1 38-Sr-82
 Radionuclide Production Cross Section (%)

