

Program Complot
(Version 2021-1)

by

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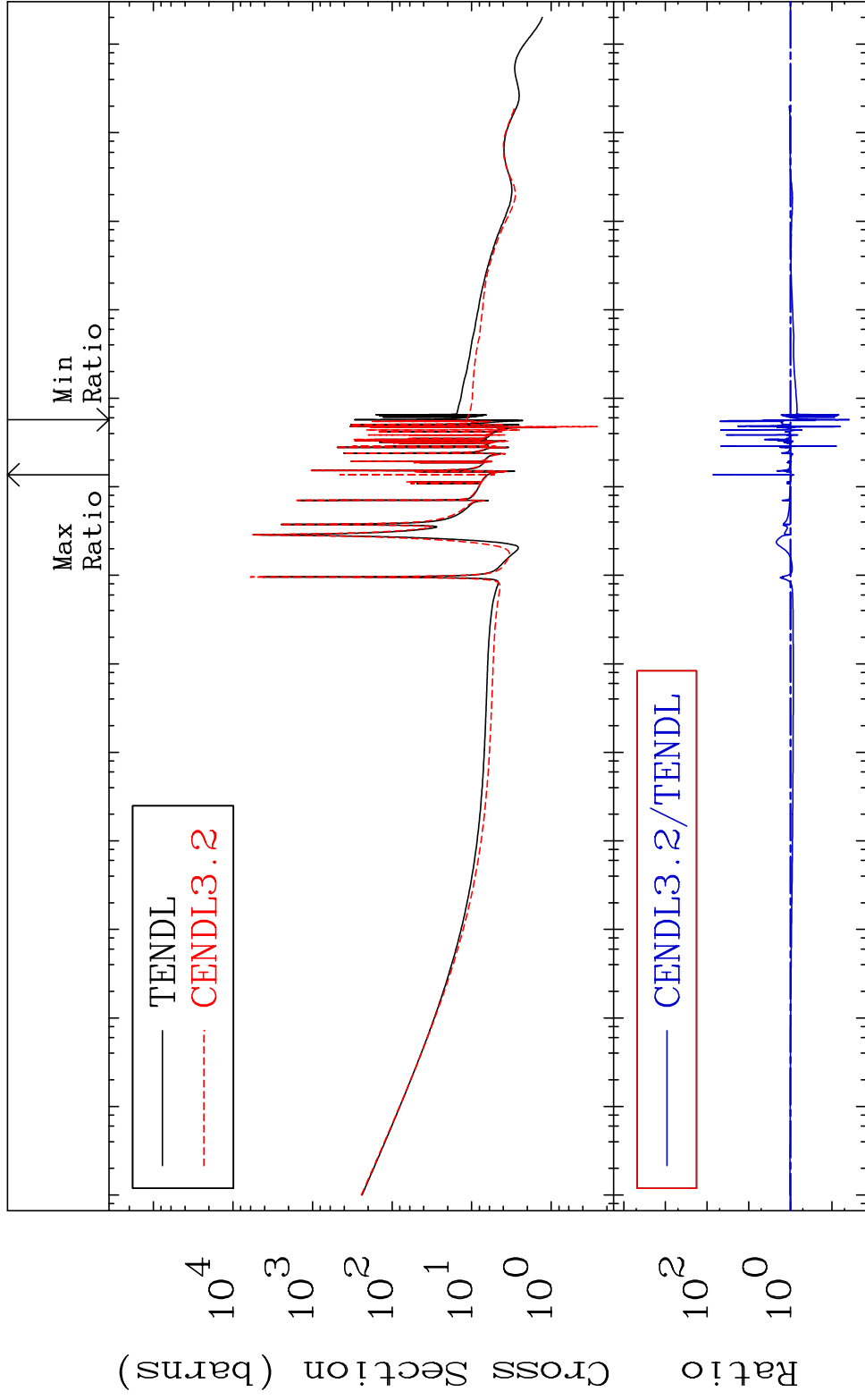
Press Mouse Button to Start

MAT 3131

Total

31-Ga-71

Cross Section -96.15 To 7021. %



1

Incident Energy (eV)

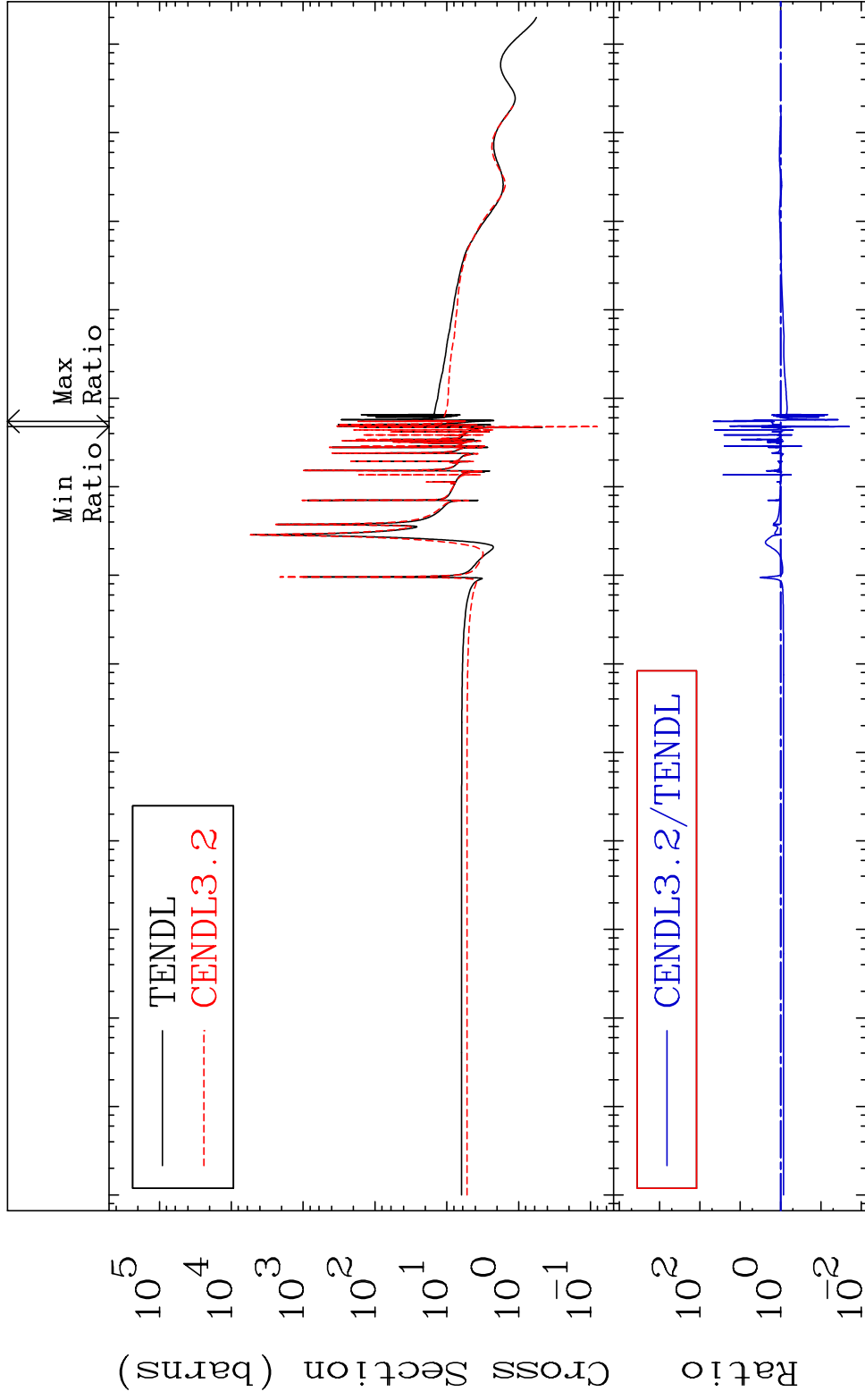
31-Ga-71

MAT 3131

Elastic

31-Ga-71

Cross Section -98.02 To 4588. %



2

Incident Energy (eV)

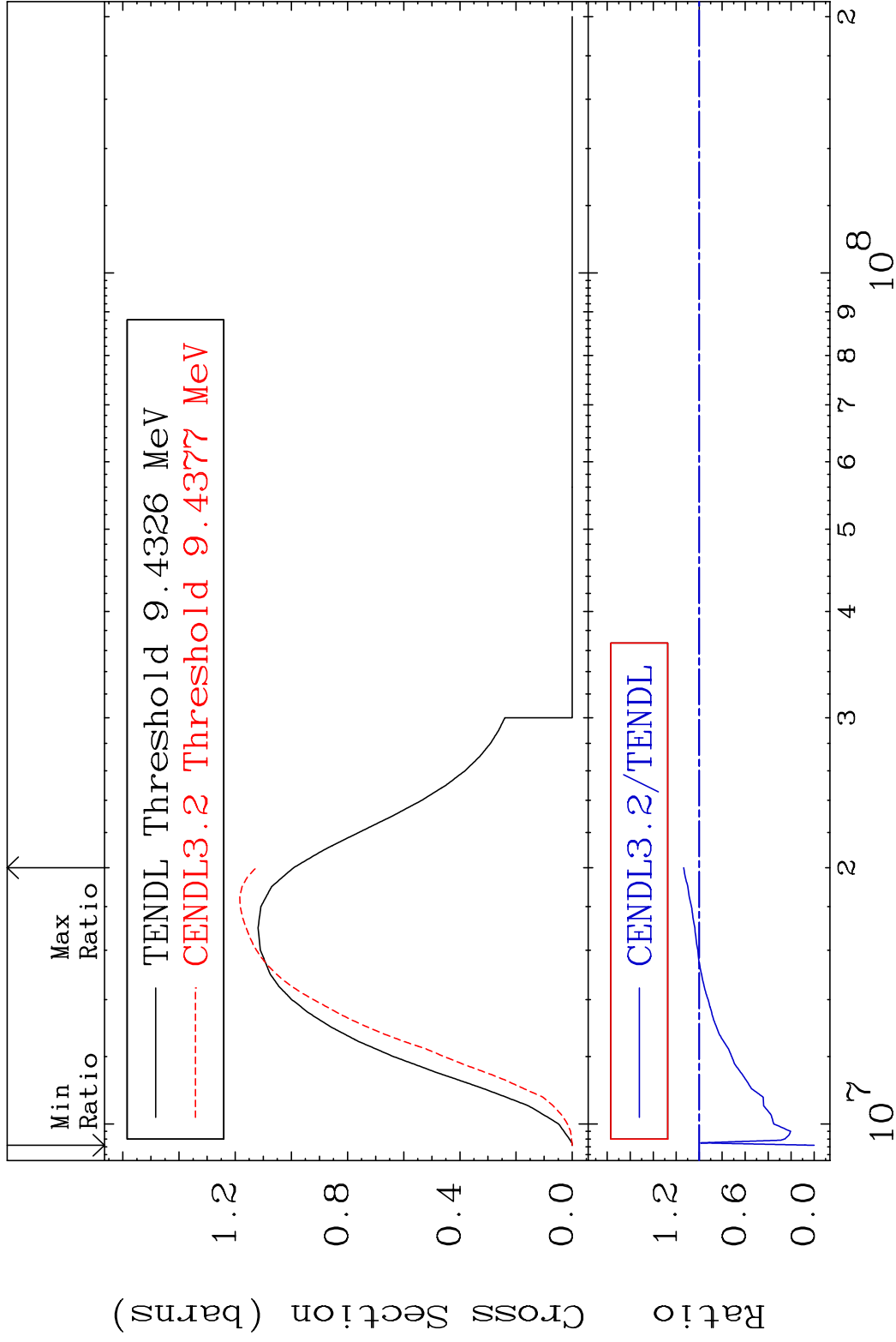
31-Ga-71

MAT 3131

(n,2n)

31-Ga-71

Cross Section -100.0 To 13.50 %



4

Incident Energy (eV)

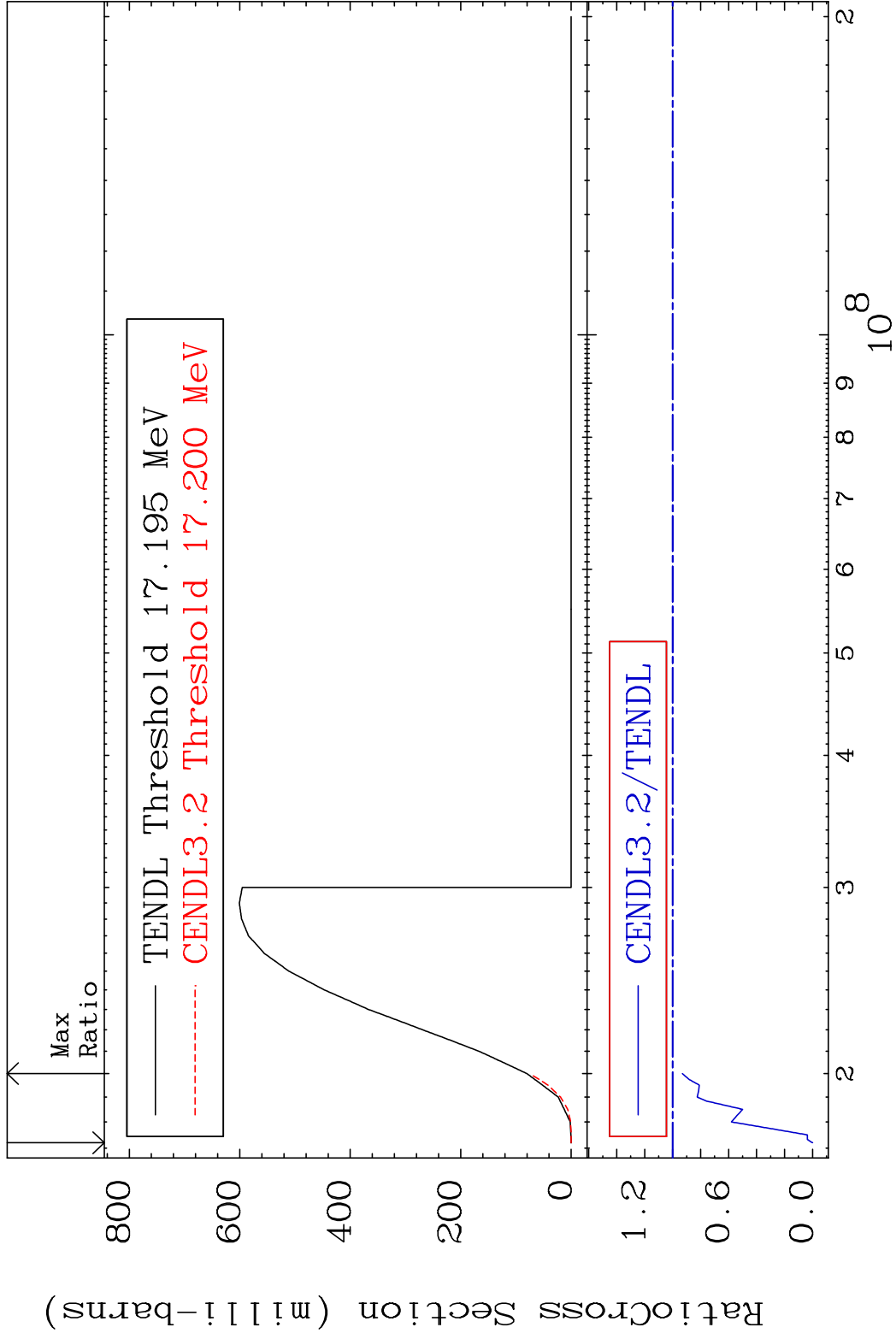
31-Ga-71

MAT 3131

(n,3n)

31-Ga-71

Cross Section -100.0 To -6.939%



5

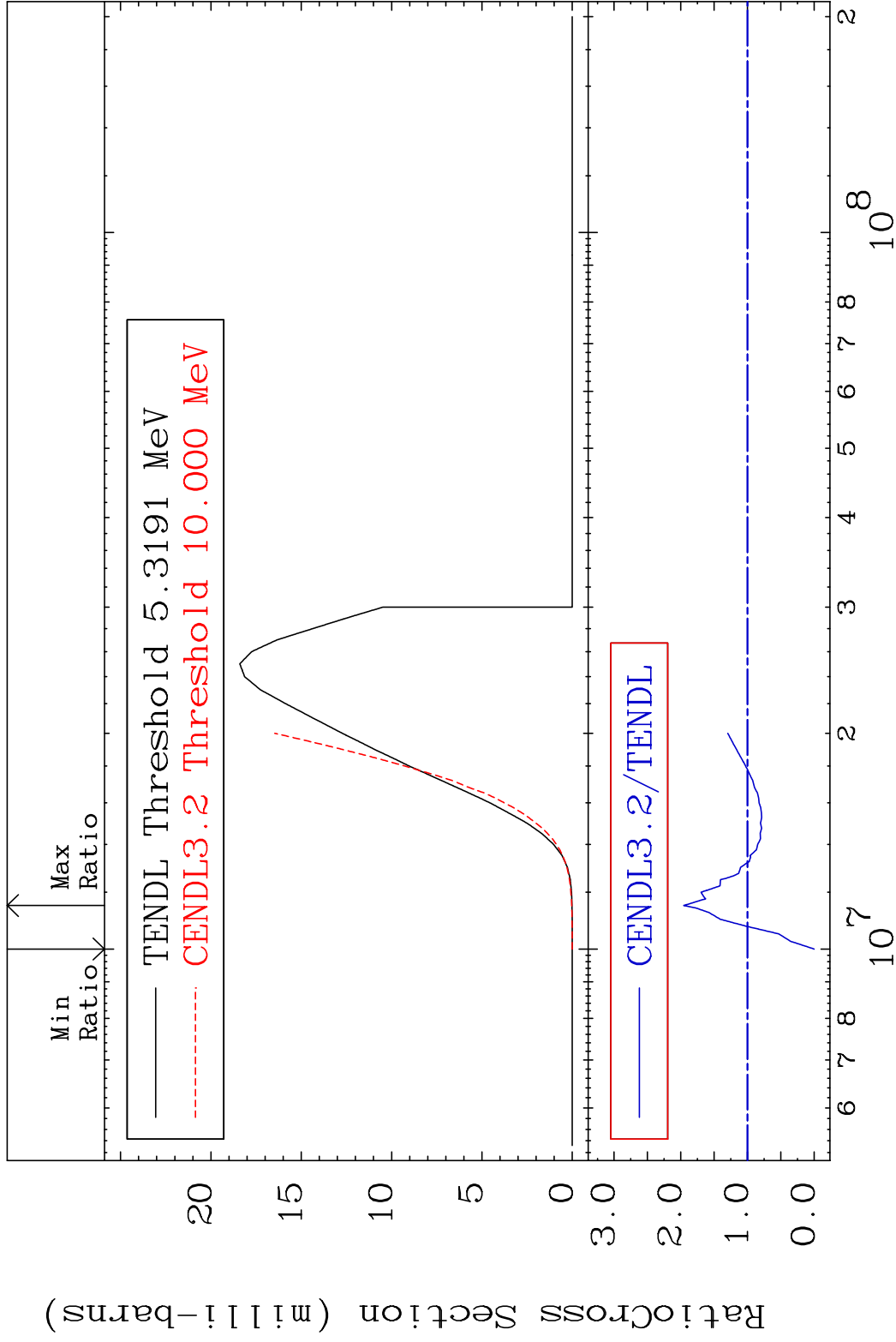
Incident Energy (eV)

31-Ga-71

MAT 3131

(n, n') α 31-Ga-71

Cross Section -100.0 To 95.68 %



6

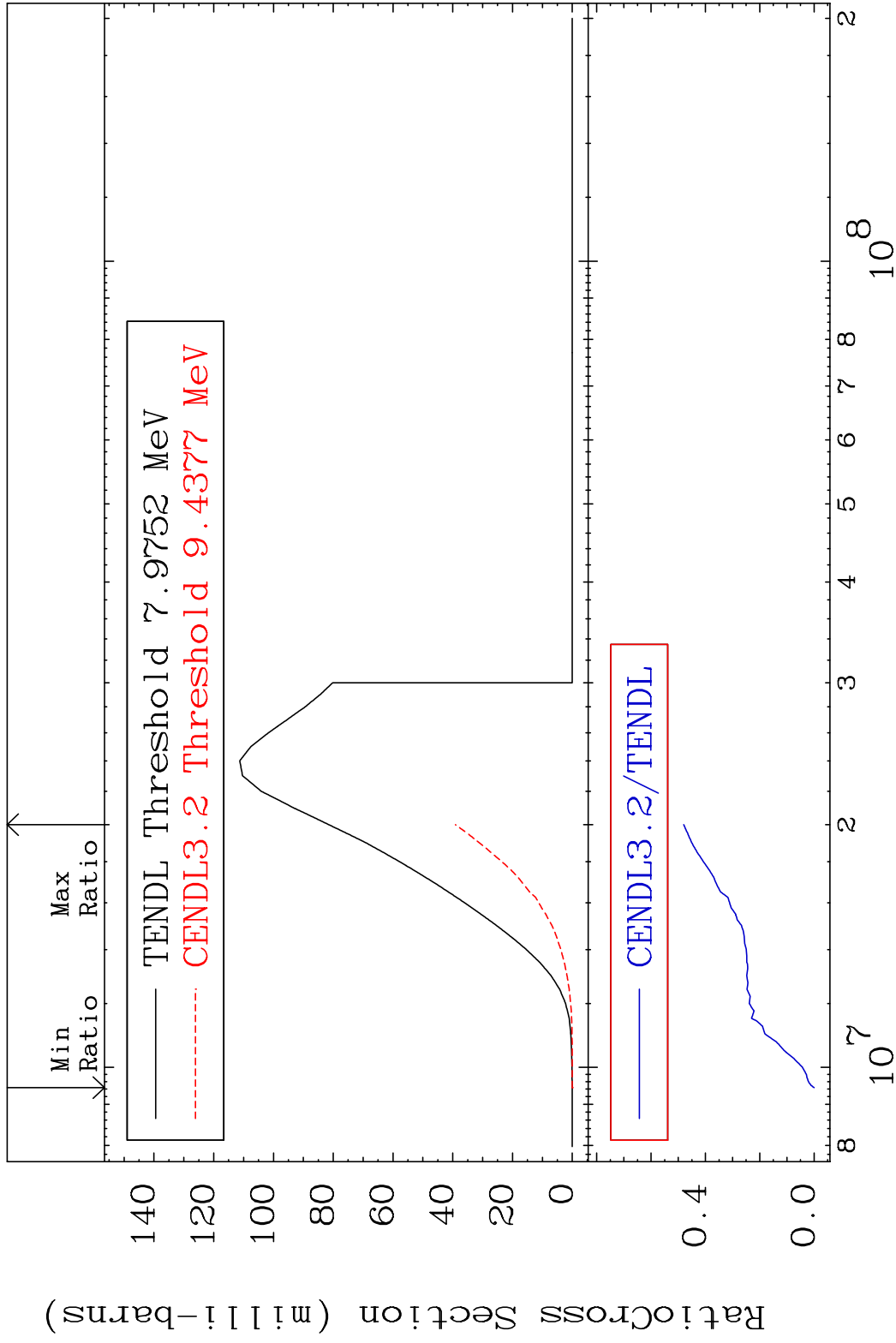
Incident Energy (eV)

31-Ga-71

MAT 3131

(n, n') p 31-Ga-71

Cross Section -100.0 To -51.99%

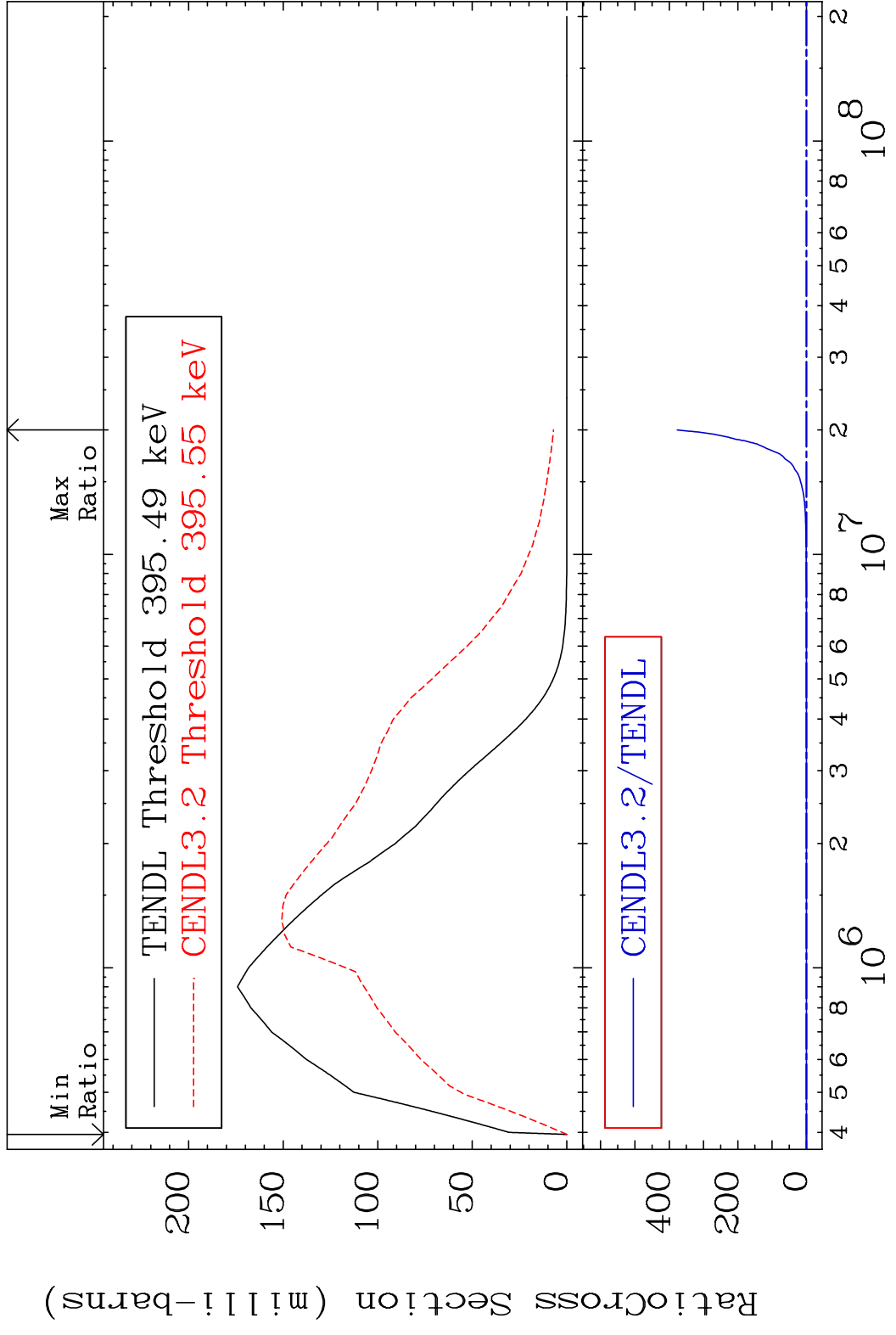


7

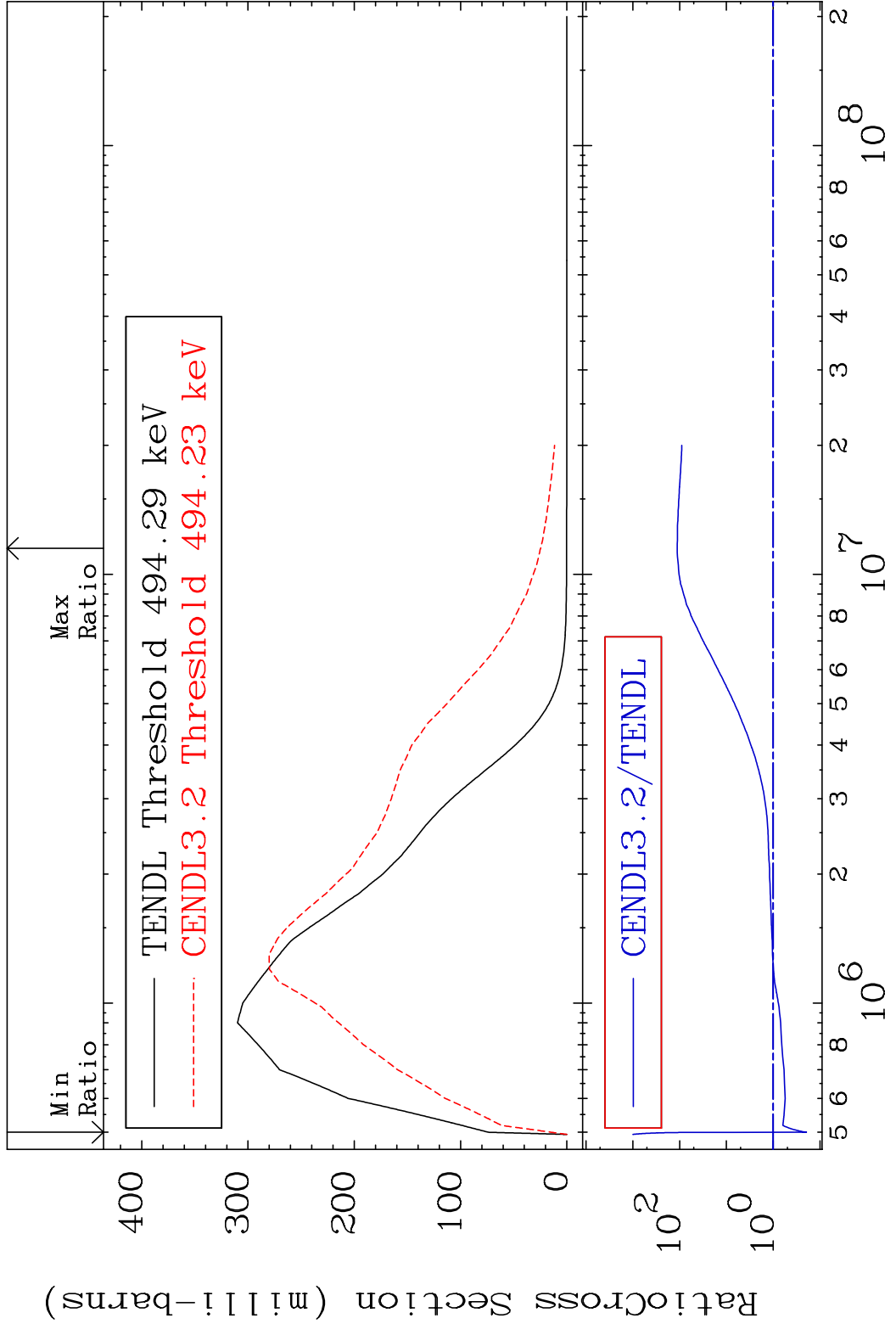
Incident Energy (eV)

31-Ga-71

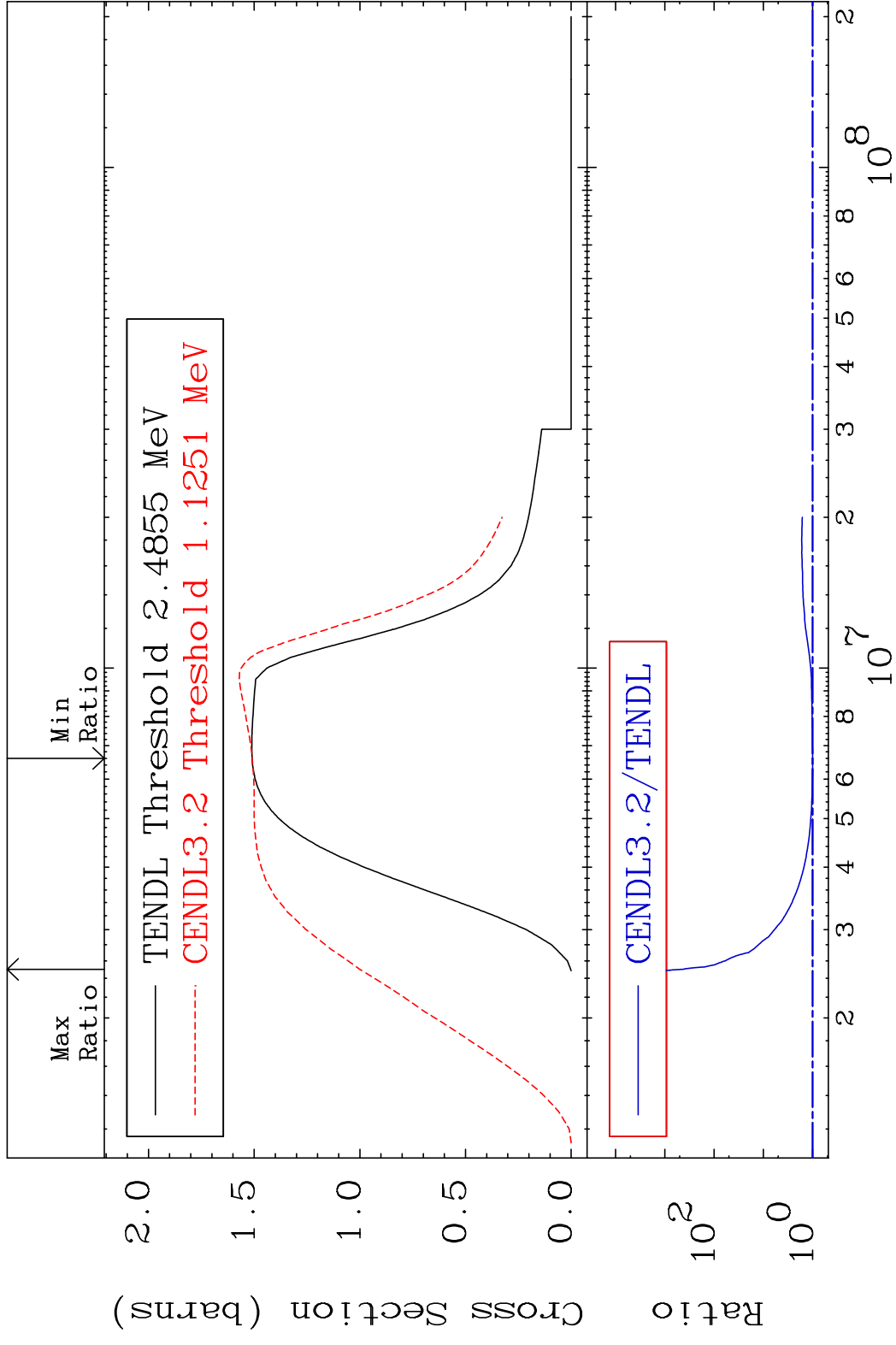
MAT 3131 MT= 51 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 9999. %



MAT 3131 MT= 52 (n, n') Level 31-Ga-71
 Cross Section -80.43 To 9999. %



MAT 3131 (n,n') Continuum 31-Ga-71
 Cross Section -0.030 To 9999. %

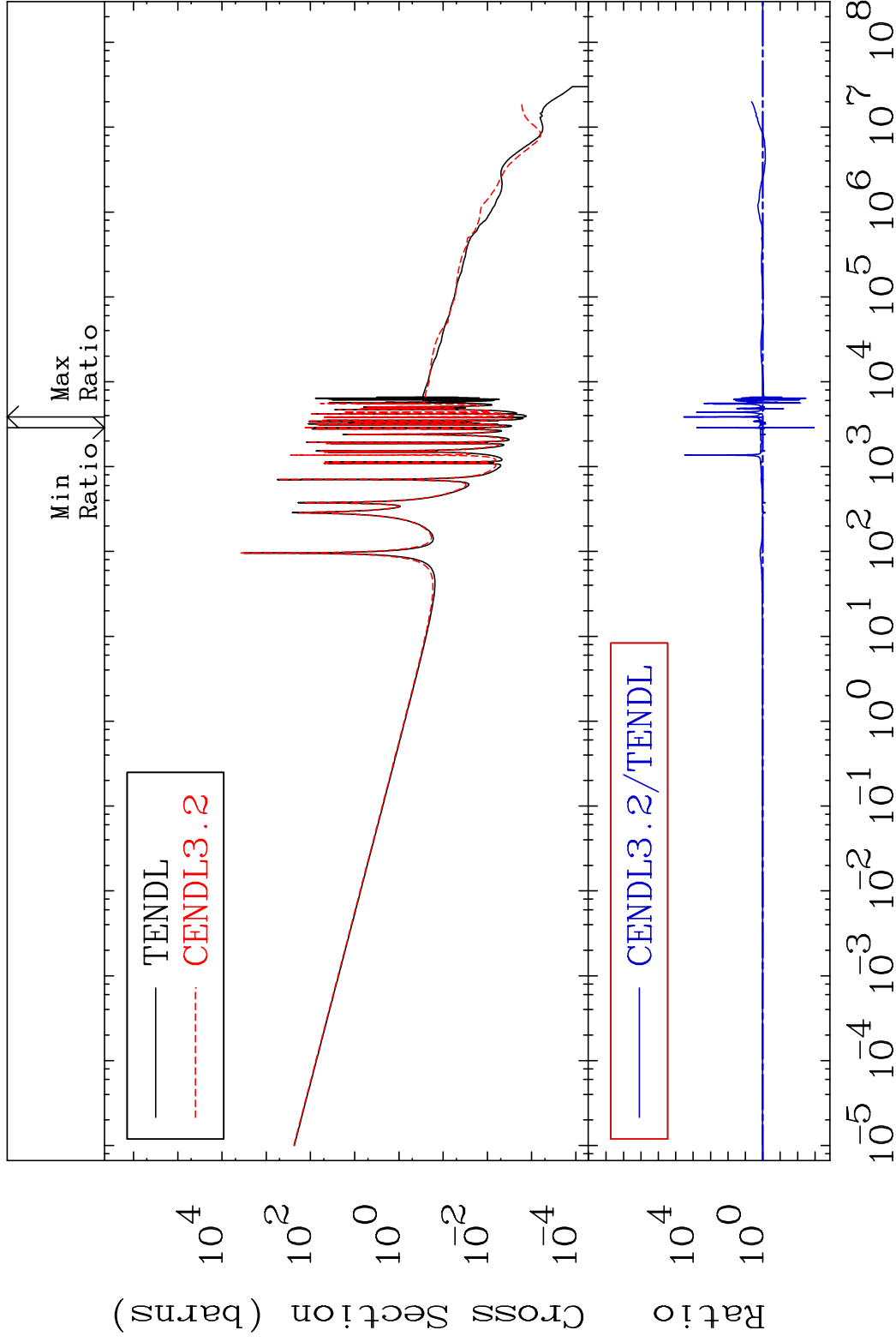


MAT 3131

(n, γ)

31-Ga-71

Cross Section -99.89 To 9999. %

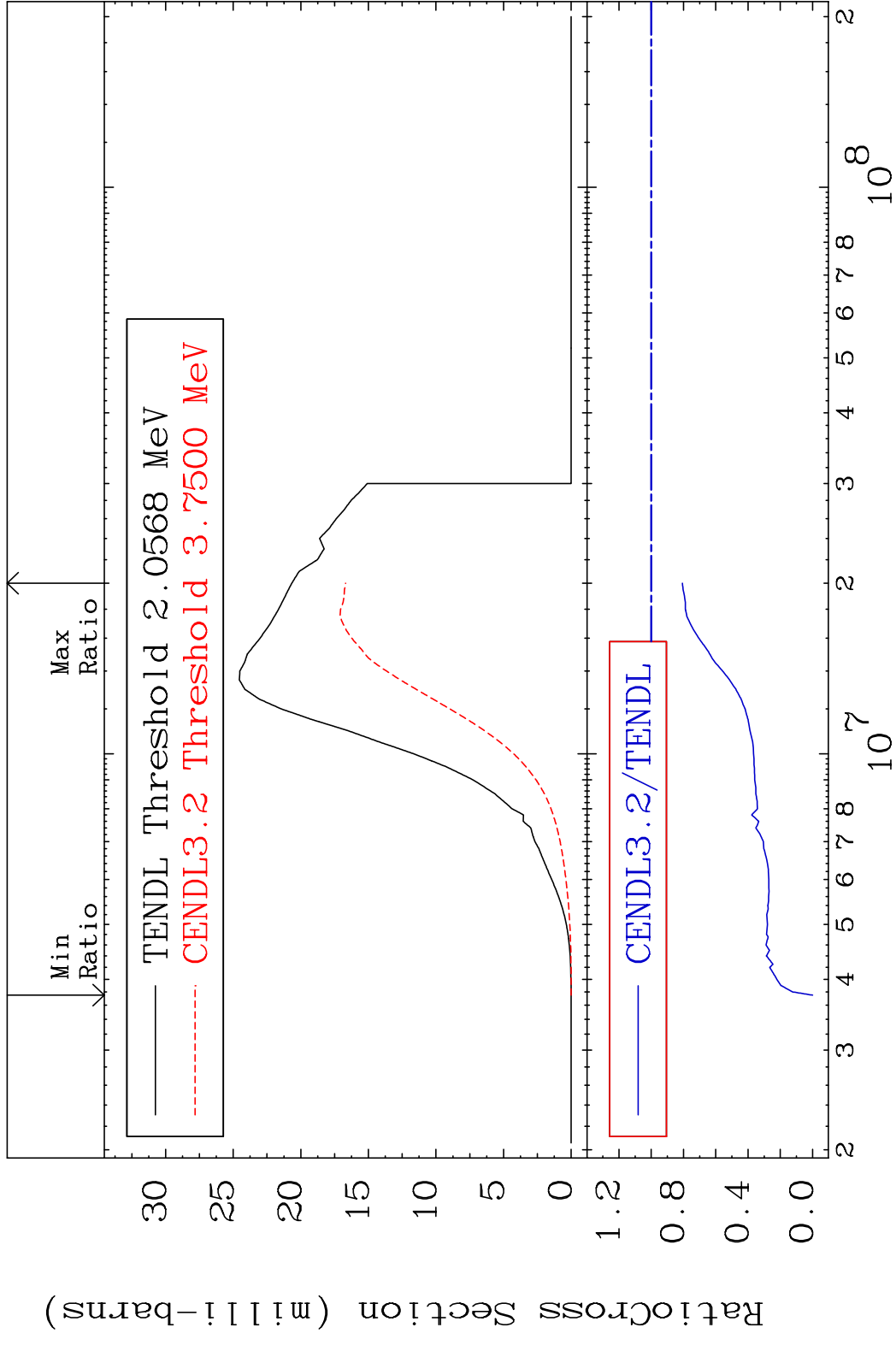


12

Incident Energy (eV)

31-Ga-71

MAT 3131 (n,p) 31-Ga-71
 Cross Section -100.0 To -19.30%

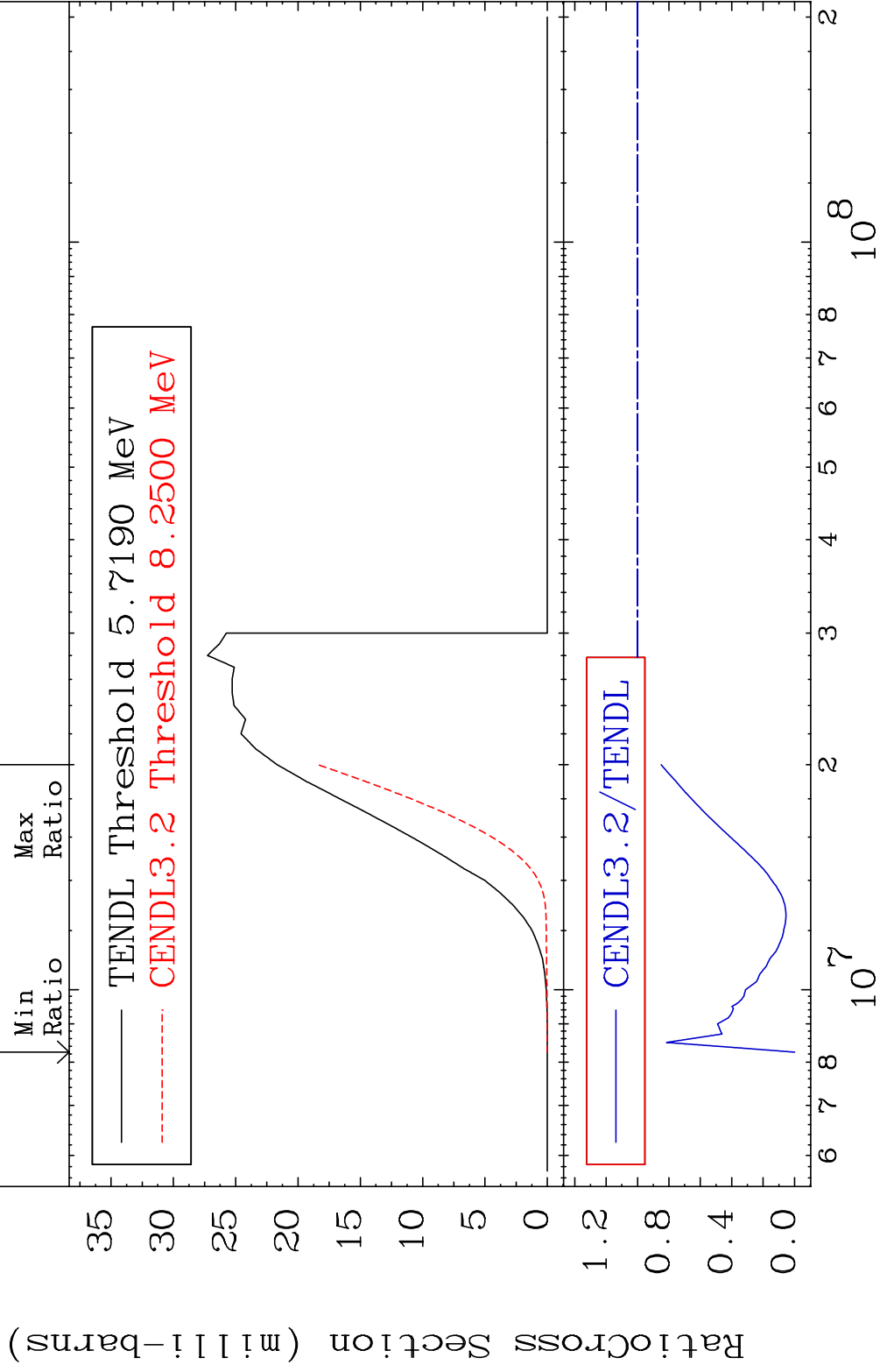


MAT 3131

(n, d)

31-Ga-71

Cross Section -100.0 To -15.07%



14

Incident Energy (eV)

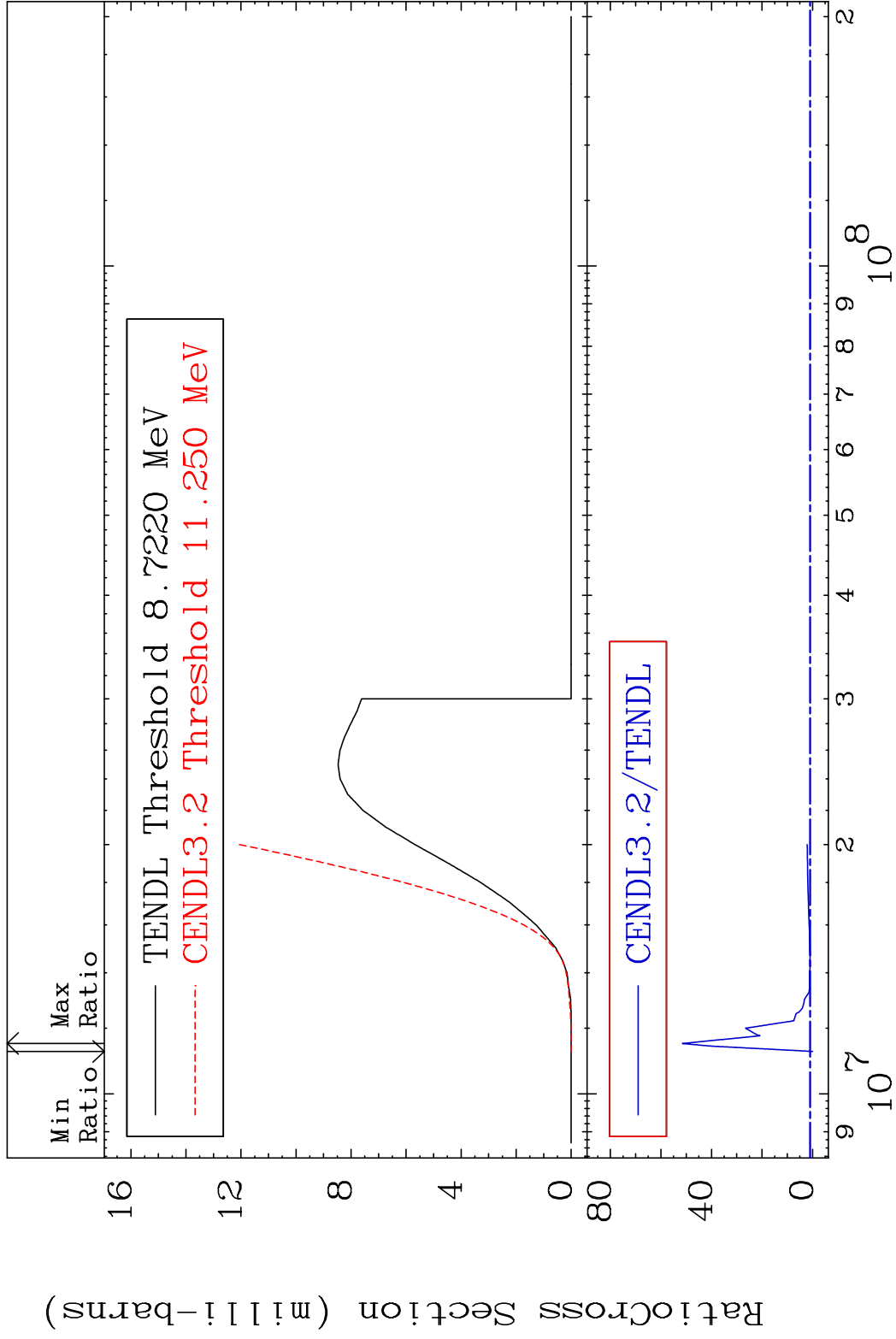
31-Ga-71

MAT 3131

(n, t)

31-Ga-71

Cross Section -100.0 To 5052. %



15

Incident Energy (eV)

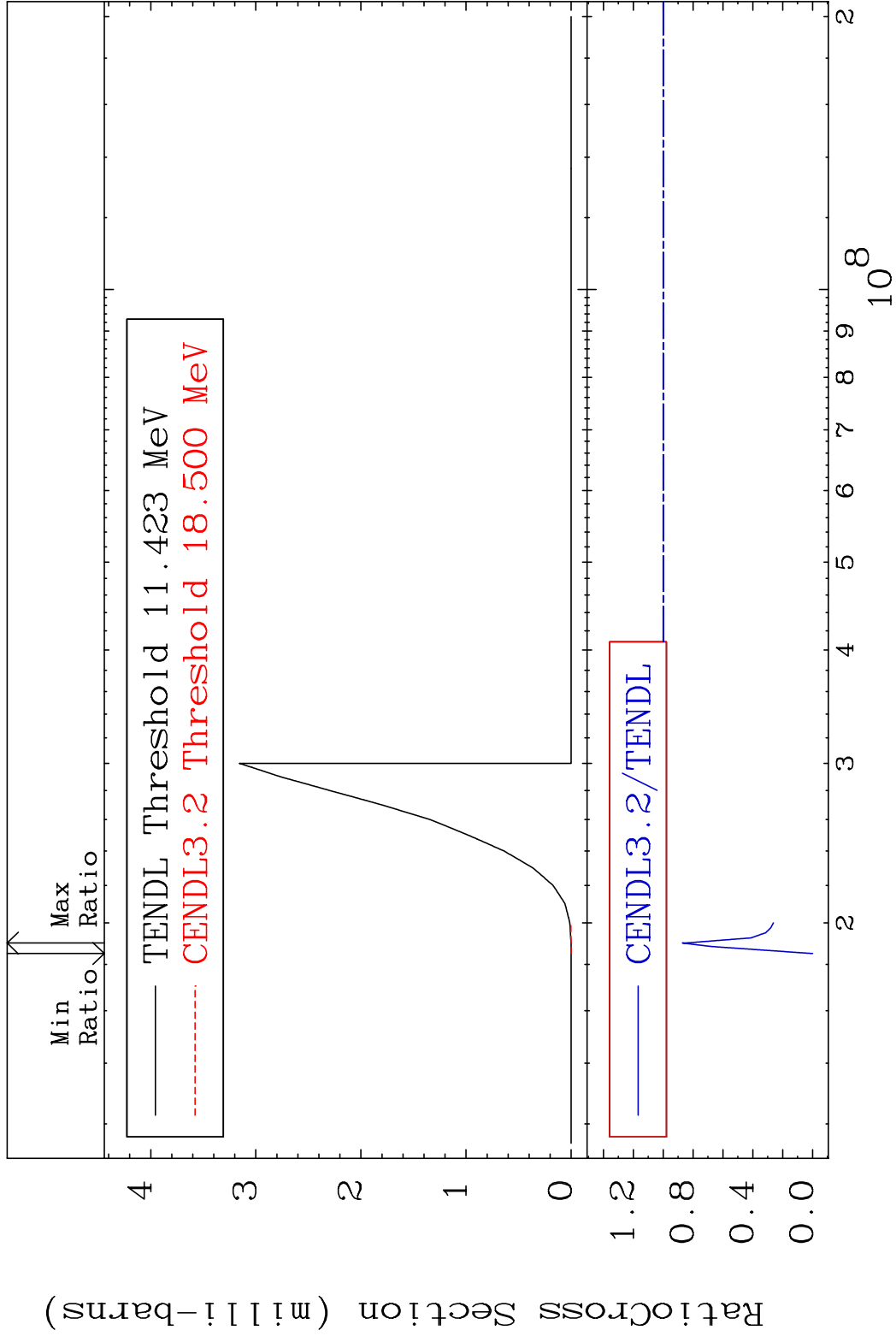
31-Ga-71

MAT 3131

(n, He-3)

31-Ga-71

Cross Section -100.0 To -12.84%

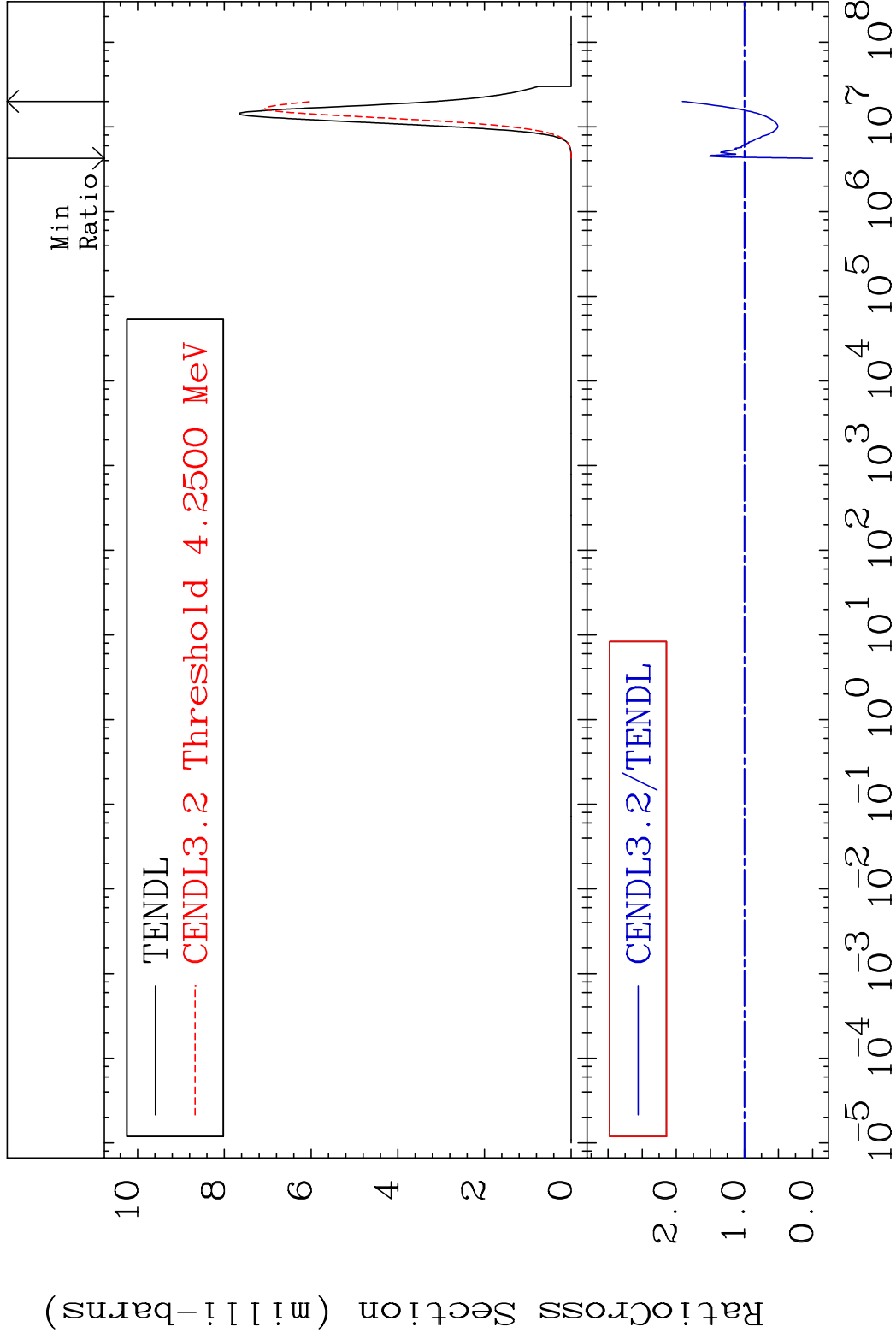


MAT 3131

(n, α)

31-Ga-71

Cross Section -100.0 To 91.05 %



17

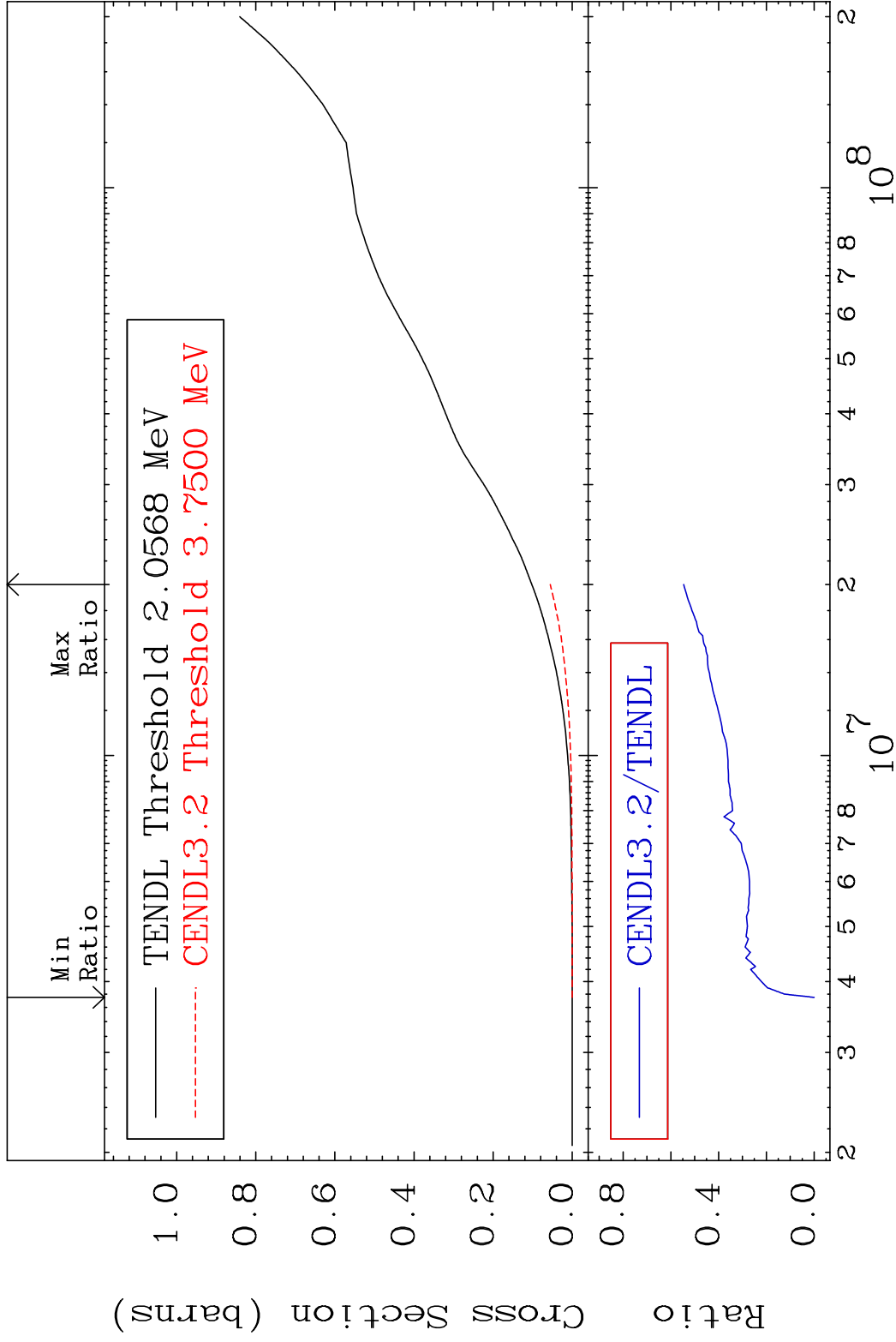
Incident Energy (eV)

31-Ga-71

MAT 3131

Hydrogen Production 31-Ga-71

Cross Section -100.0 To -45.38%



18

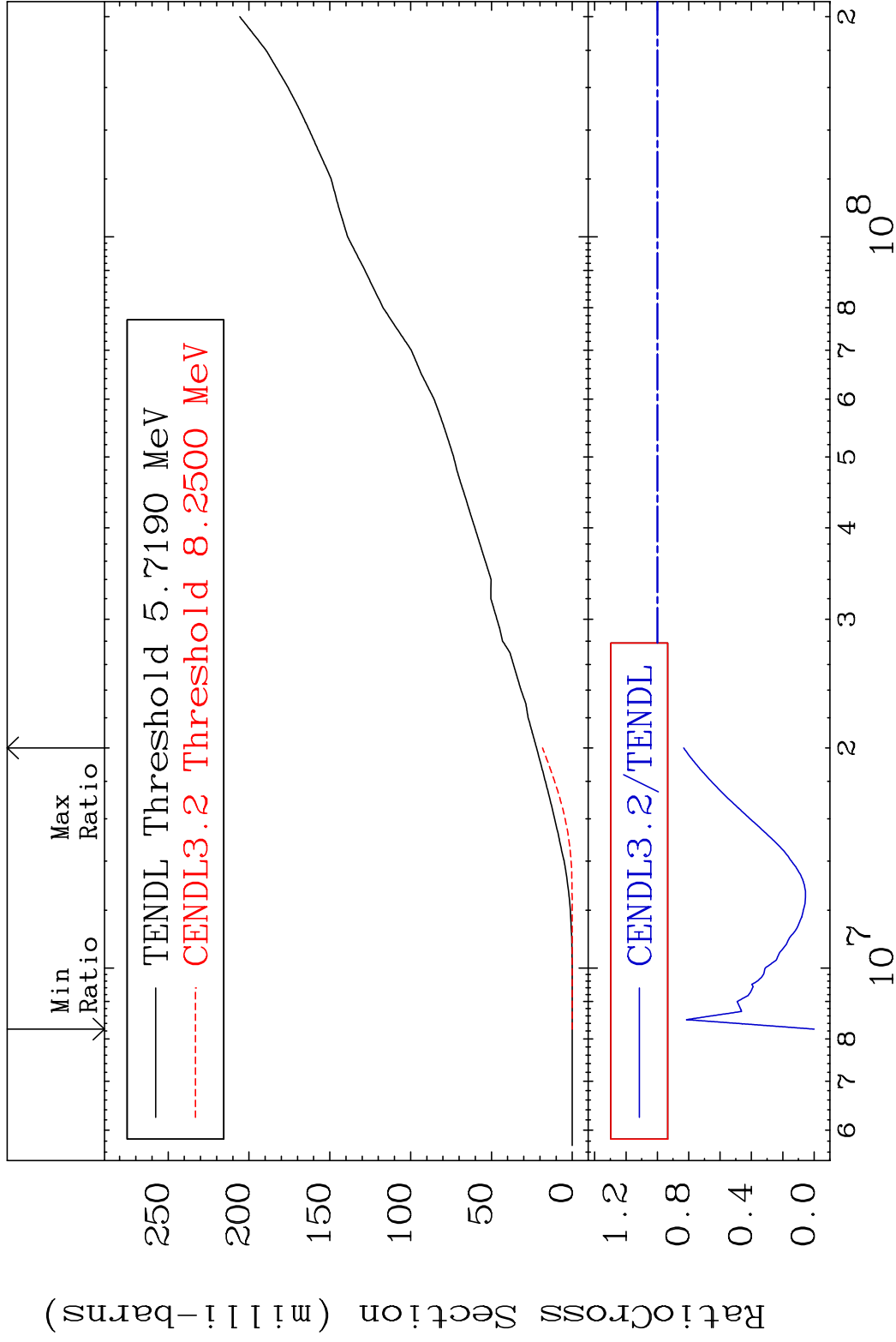
Incident Energy (eV)

31-Ga-71

MAT 3131

Deuterium Production 31-Ga-71

Cross Section -100.0 To -16.77%



19

Incident Energy (eV)

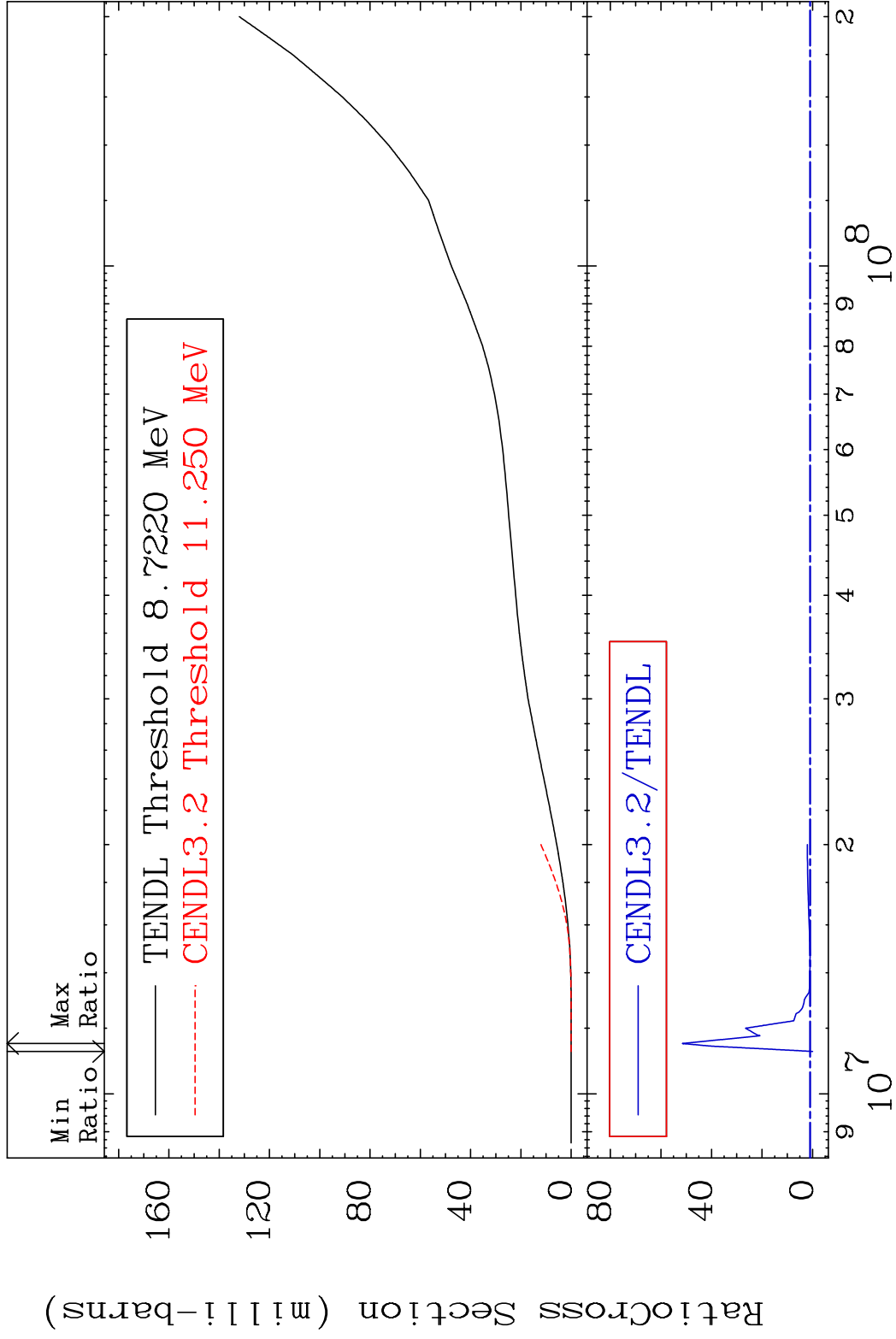
31-Ga-71

MAT 3131

Tritium Production

31-Ga-71

Cross Section -100.0 To 5052. %



20

Incident Energy (eV)

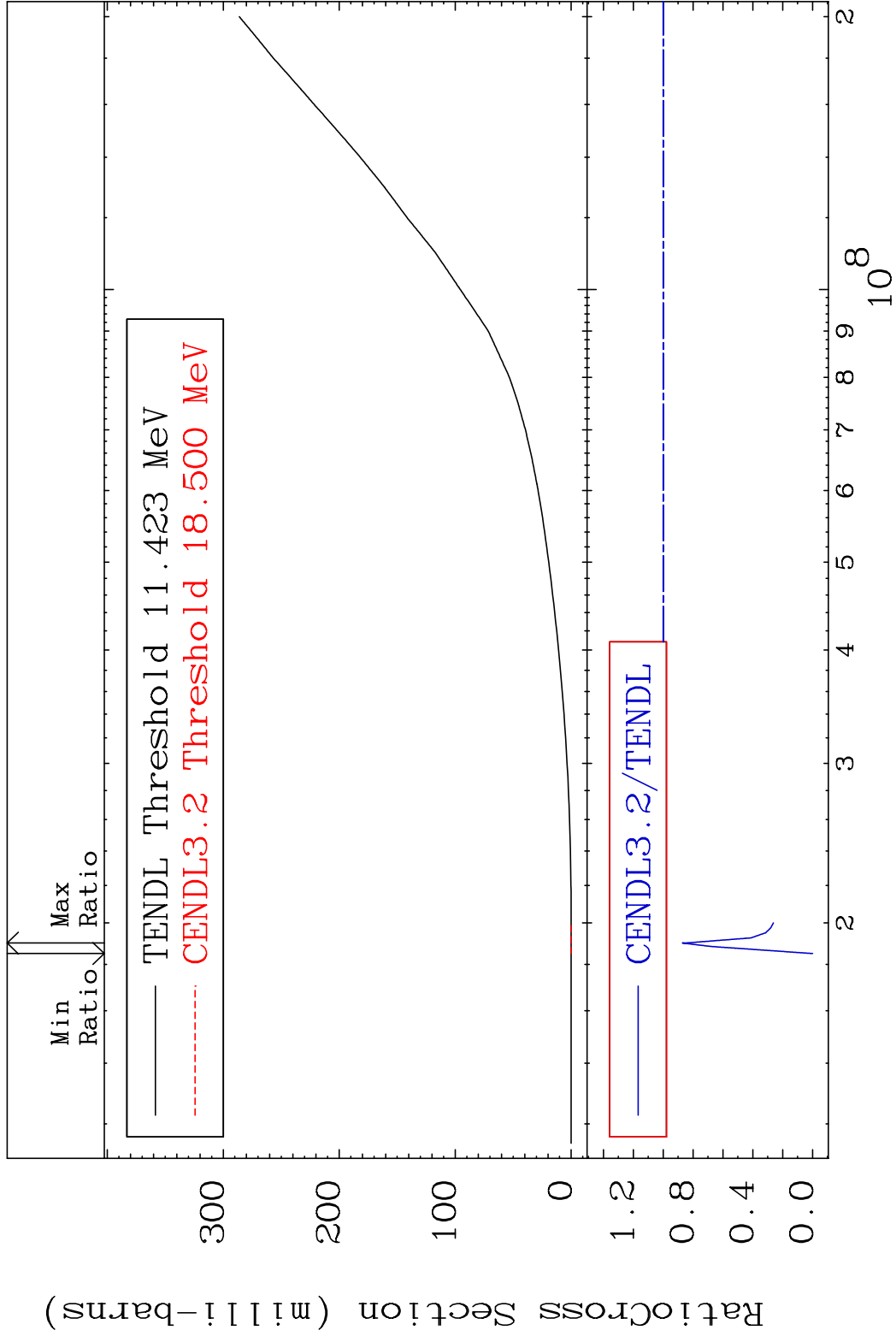
31-Ga-71

MAT 3131

He-3 Production

31-Ga-71

Cross Section -100.0 To -12.84%



21

Incident Energy (eV)

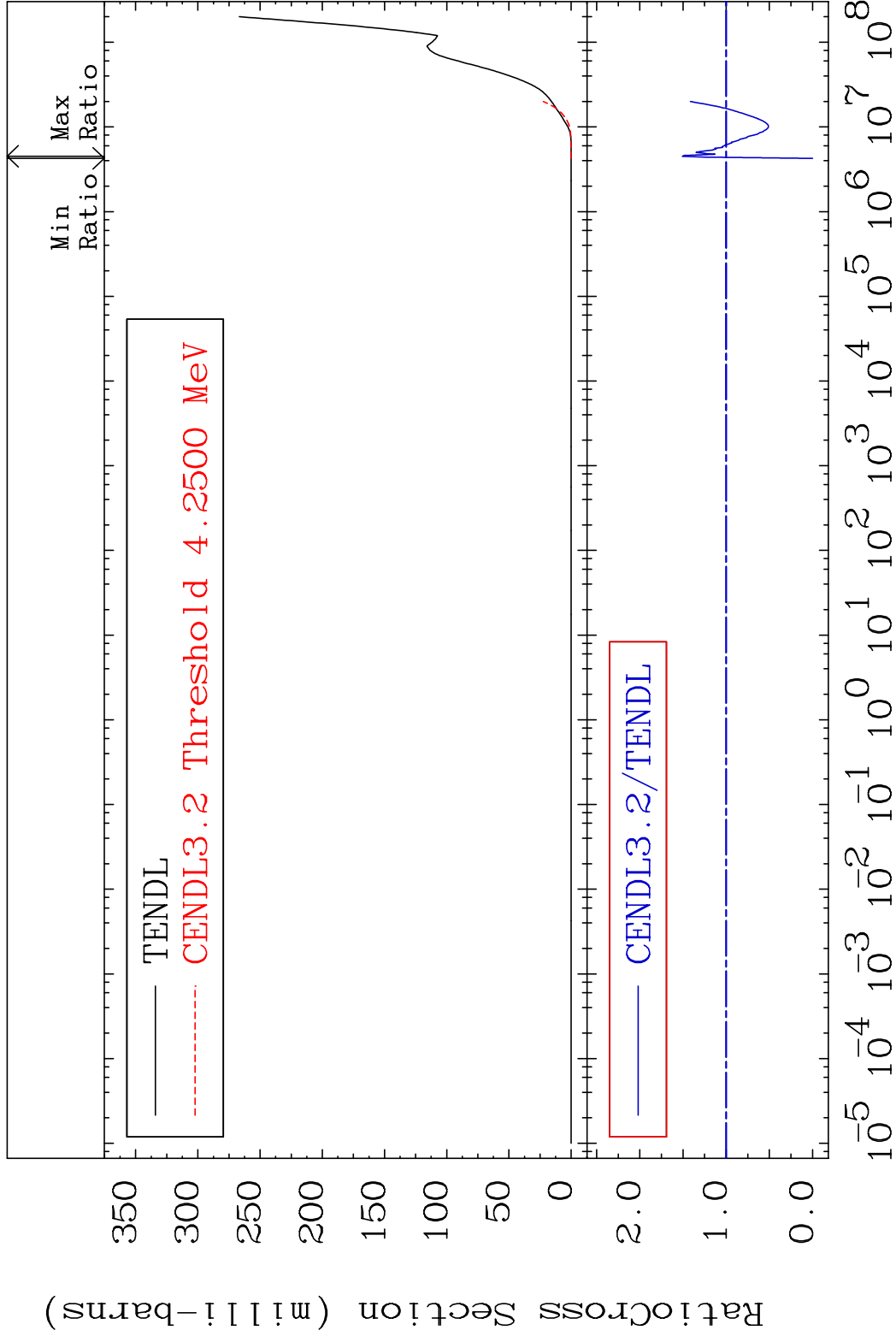
31-Ga-71

MAT 3131

He-4 Production

31-Ga-71

Cross Section -100.0 To 50.74 %

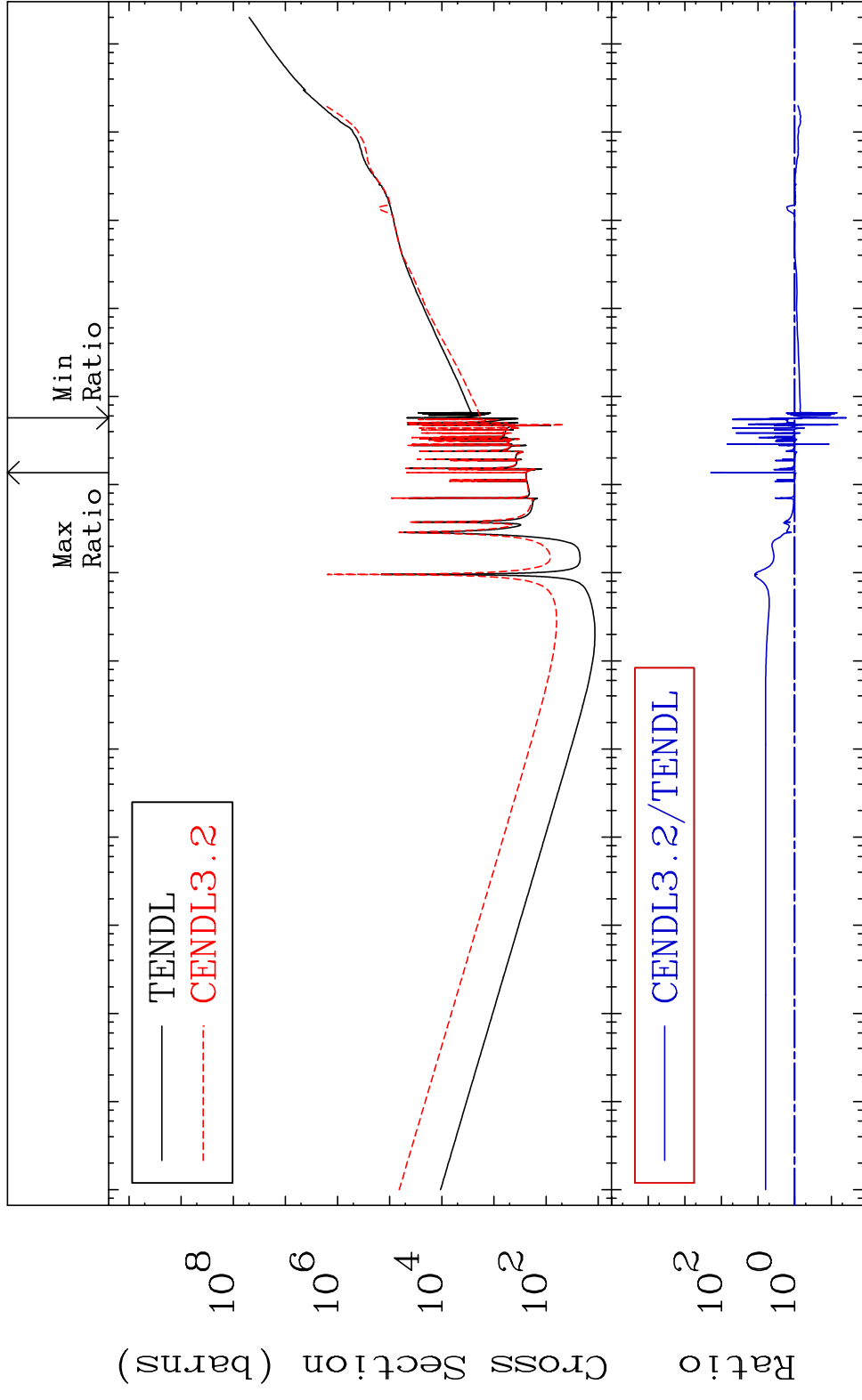


22

Incident Energy (eV)

31-Ga-71

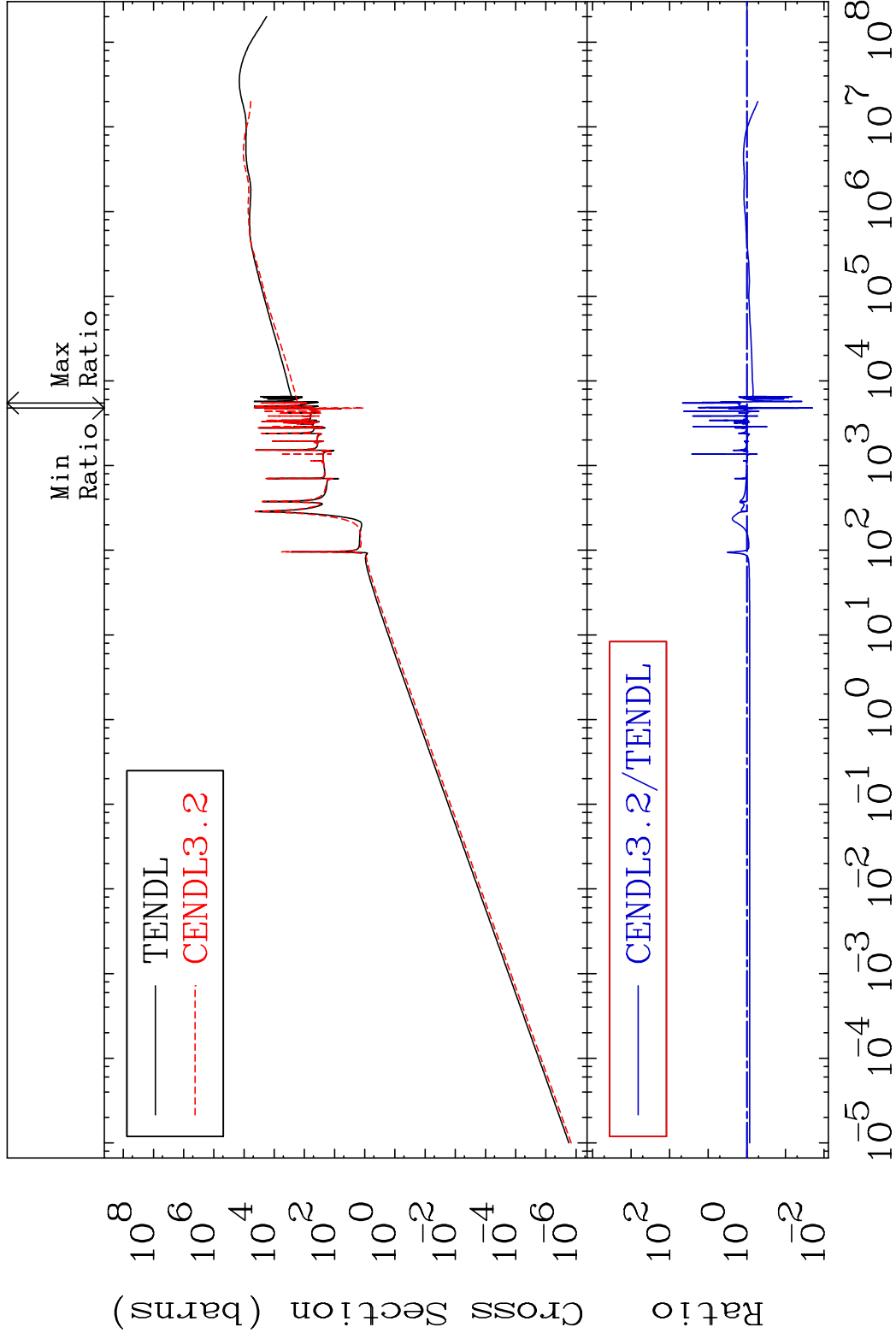
MAT 3131 Kerma total (eV-barns) 31-Ga-71
 Cross Section -96.11 To 9999. %



MAT 3131

Kerma elastic
Cross Section -98.01 To 4591. %

31-Ga-71

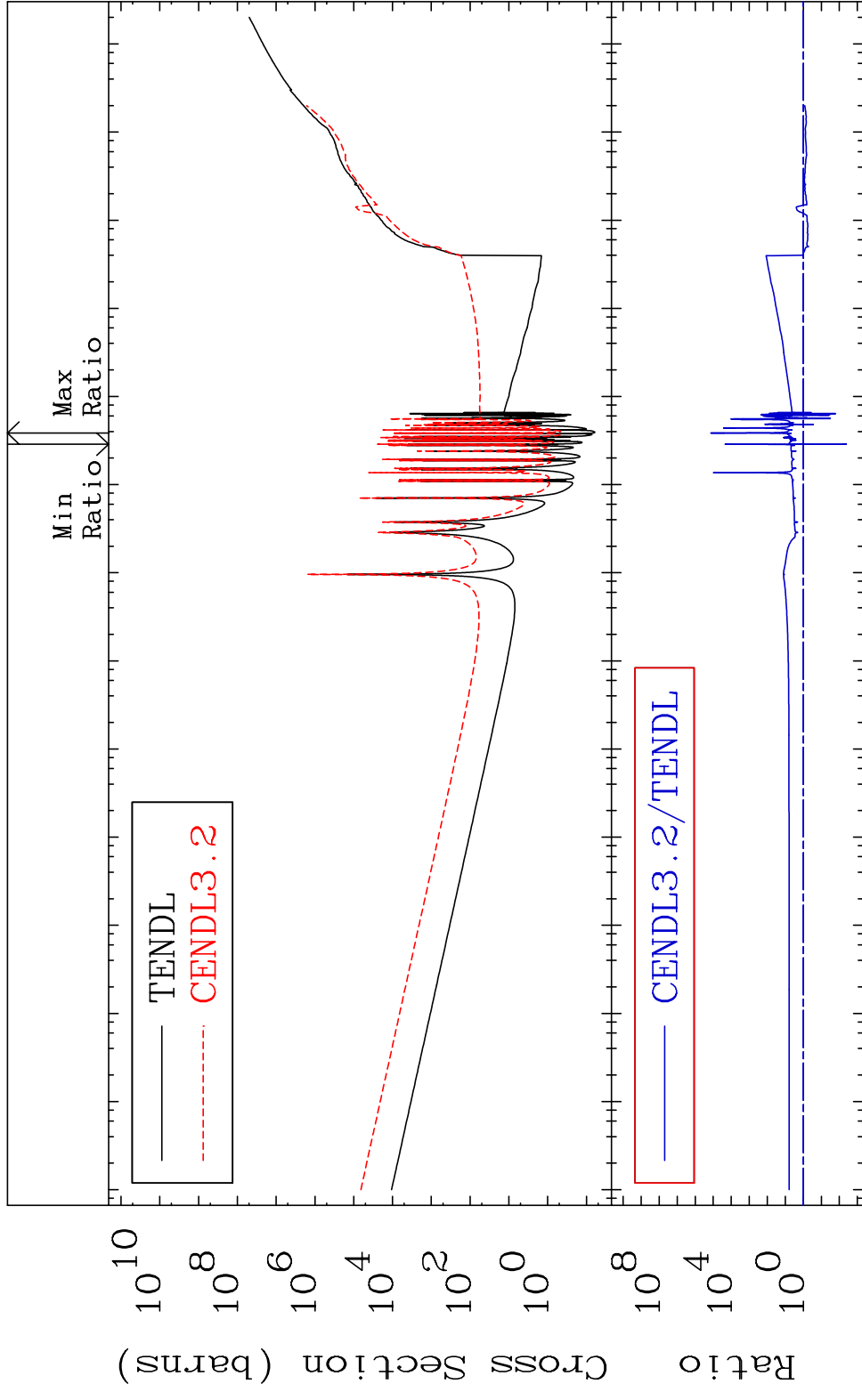


24

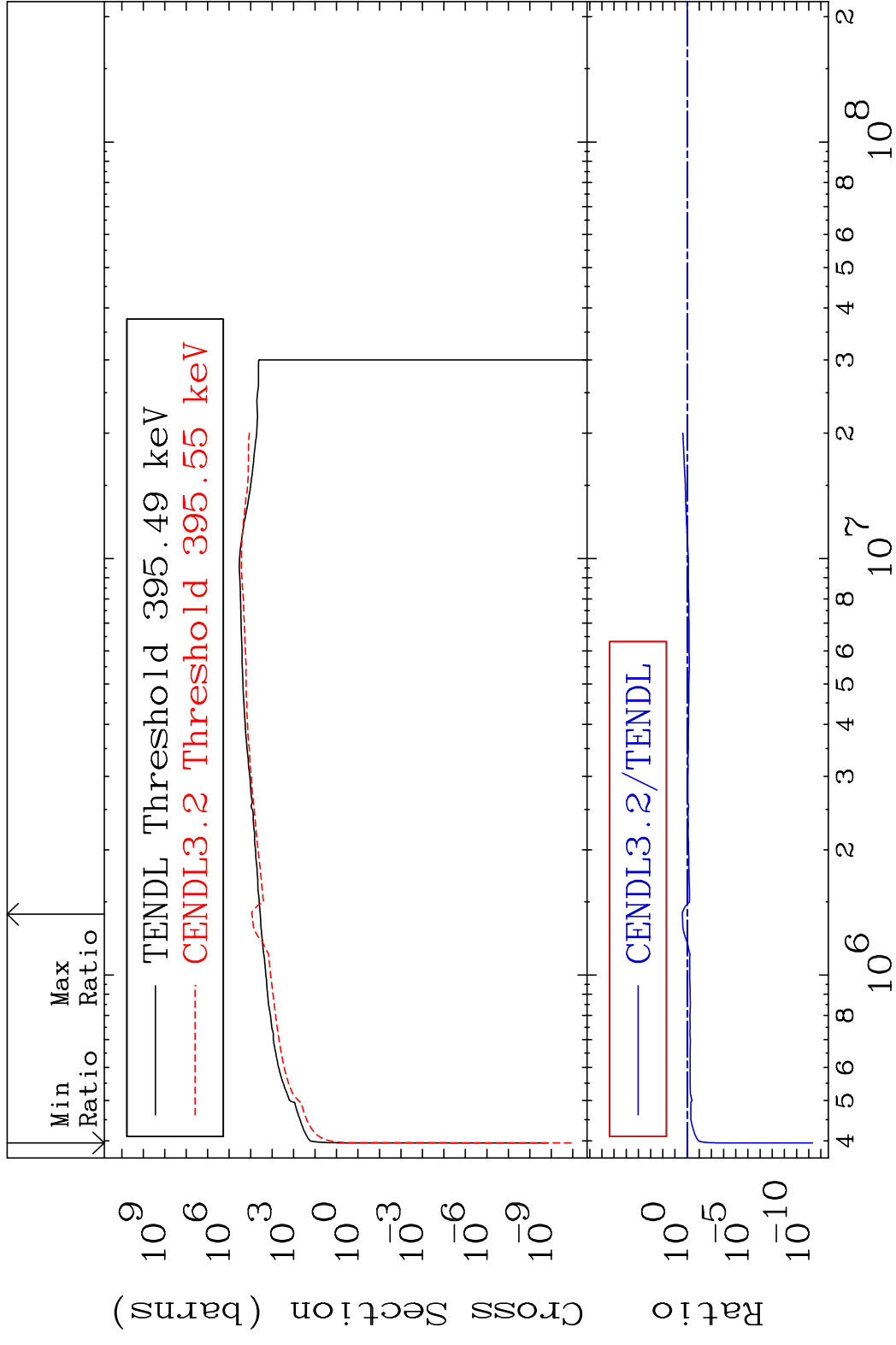
Incident Energy (eV)

31-Ga-71

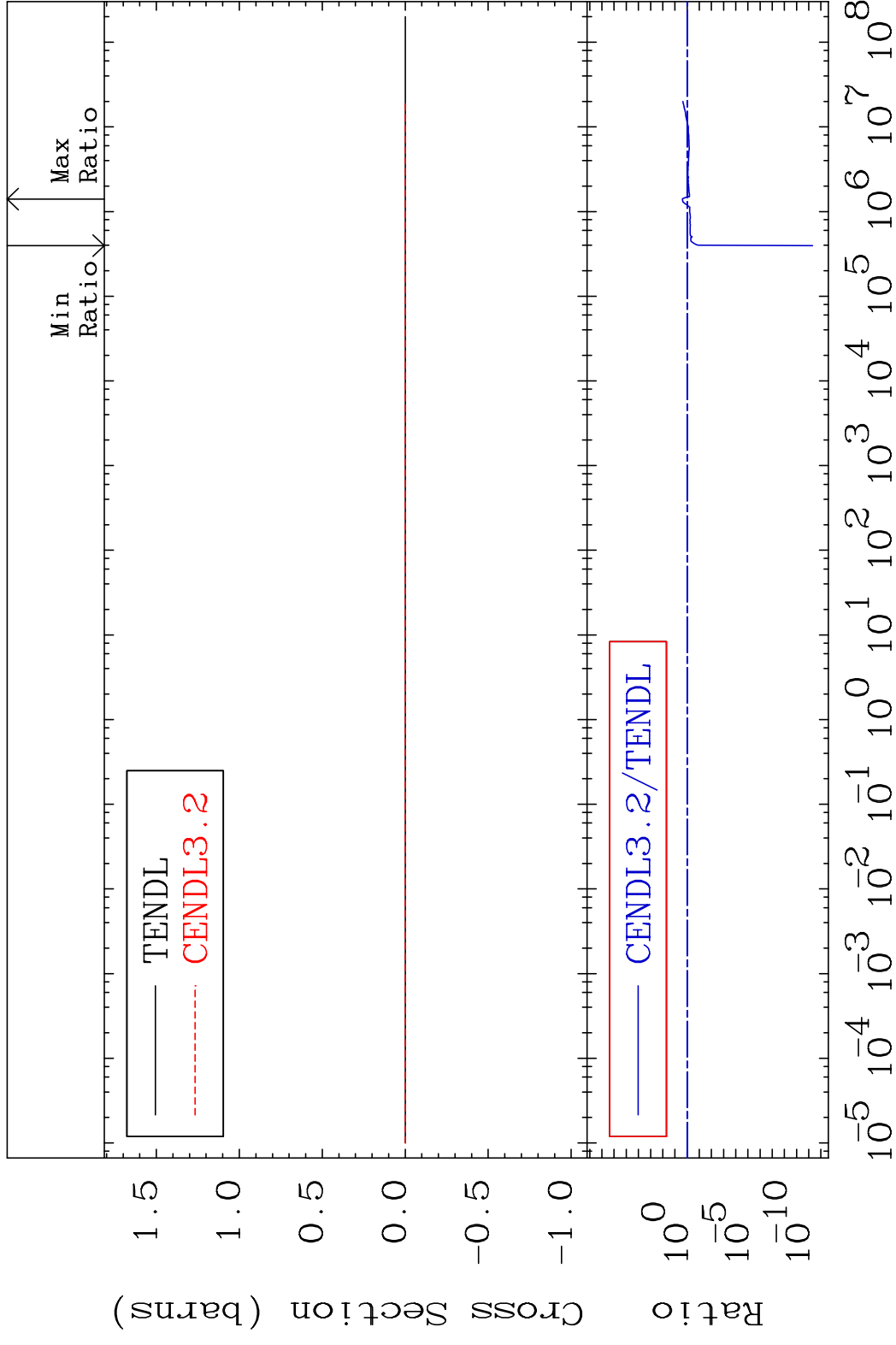
MAT 3131 Kerma non-elastic (all but mt2) 31-Ga-71
 Cross Section -99.59 To 9999. %



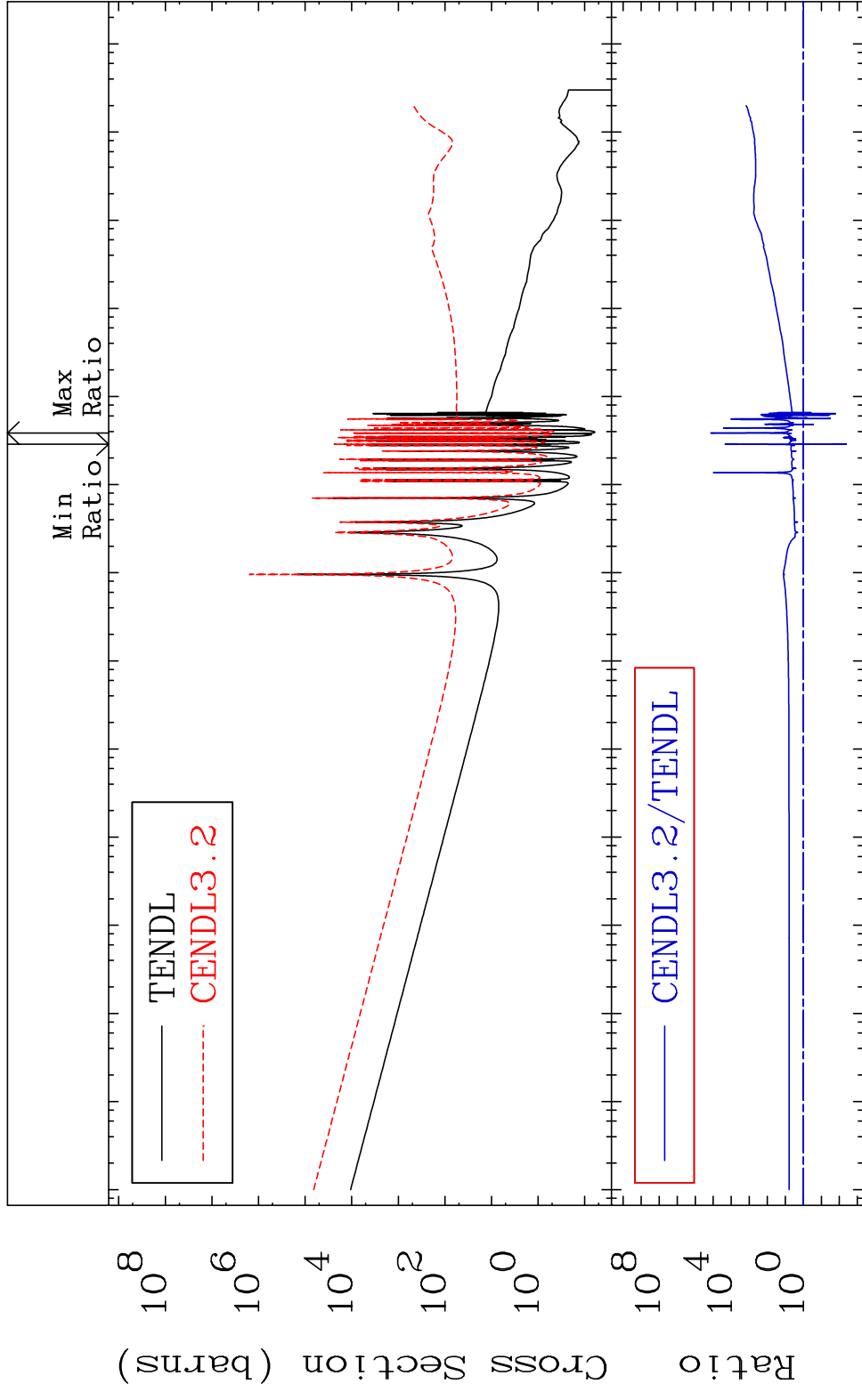
MAT 3131 Kerma inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 144.6 %



MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71
 Cross Section -100.0 To 144.6 %

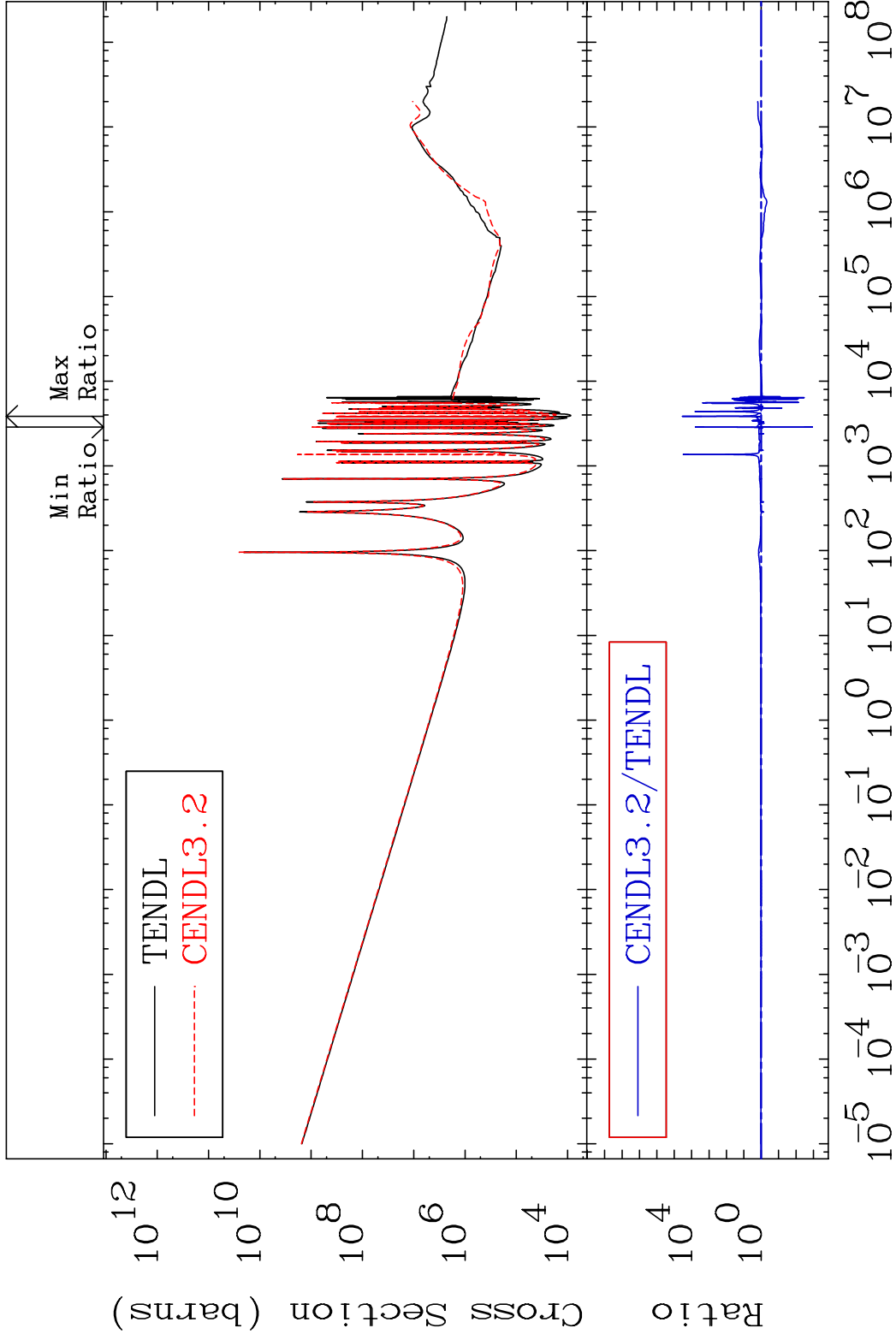


MAT 3131 Kerma capture (mt102) 31-Ga-71
 Cross Section -99.59 To 9999. %



MAT 3131

Total photon (eV-barns) 31-Ga-71
Cross Section -99.89 To 9999. %

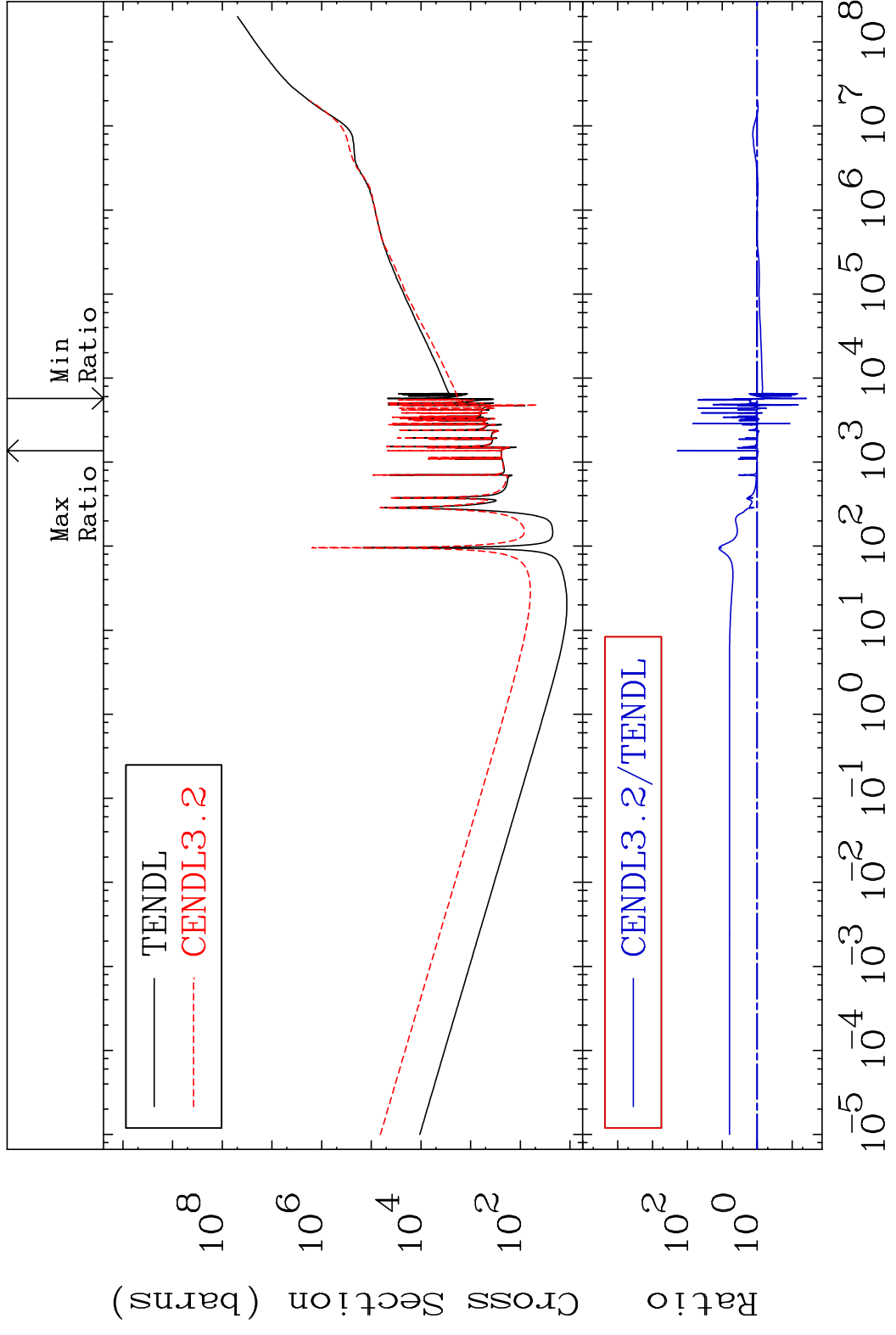


29

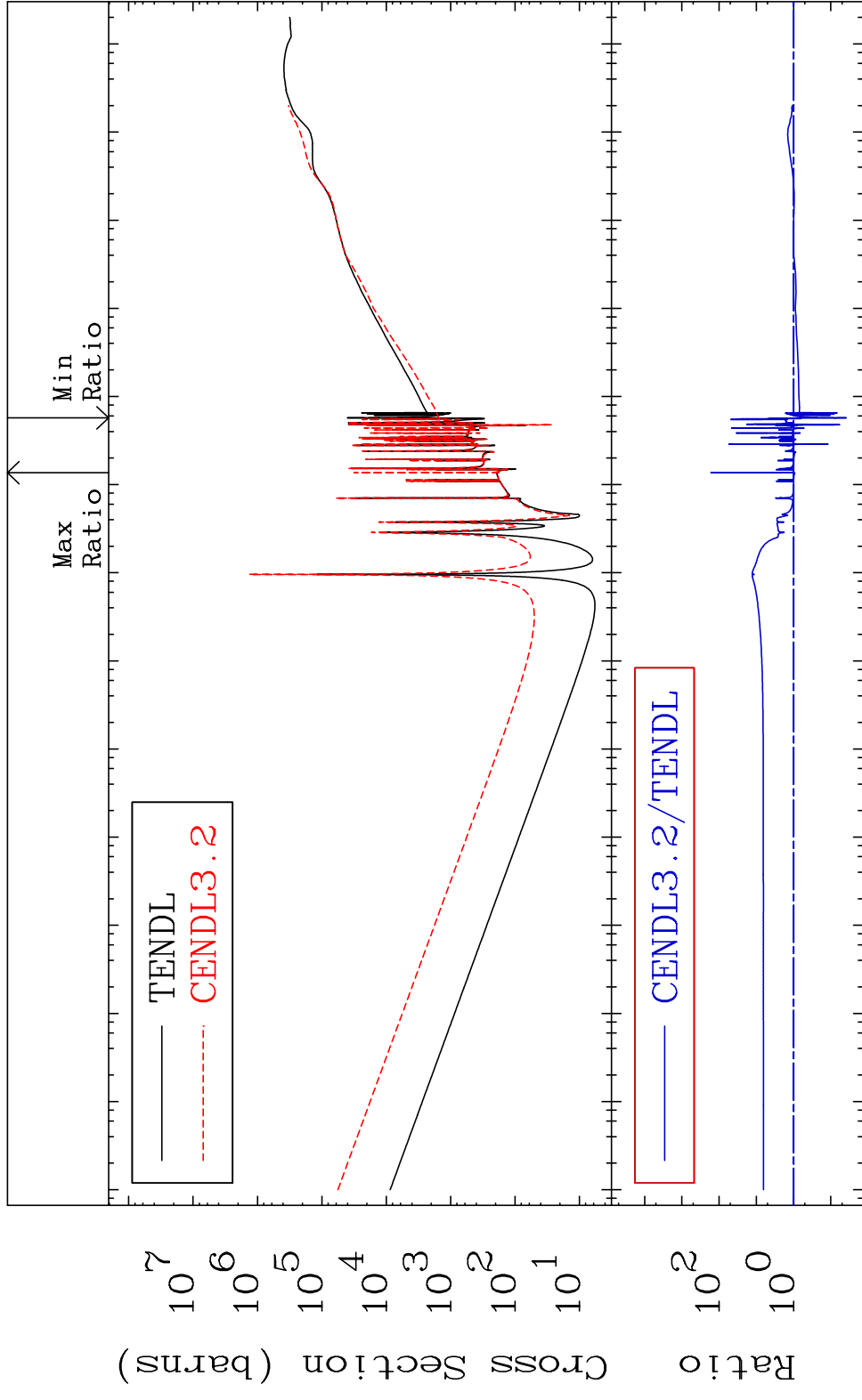
Incident Energy (eV)

31-Ga-71

MAT 3131 Total kinematic kerma (high limit) 31-Ga-71
 Cross Section -96.11 To 9999. %



MAT 3131 Dpa total (eV-barns) 31-Ga-71
 Cross Section -96.17 To 9999. %



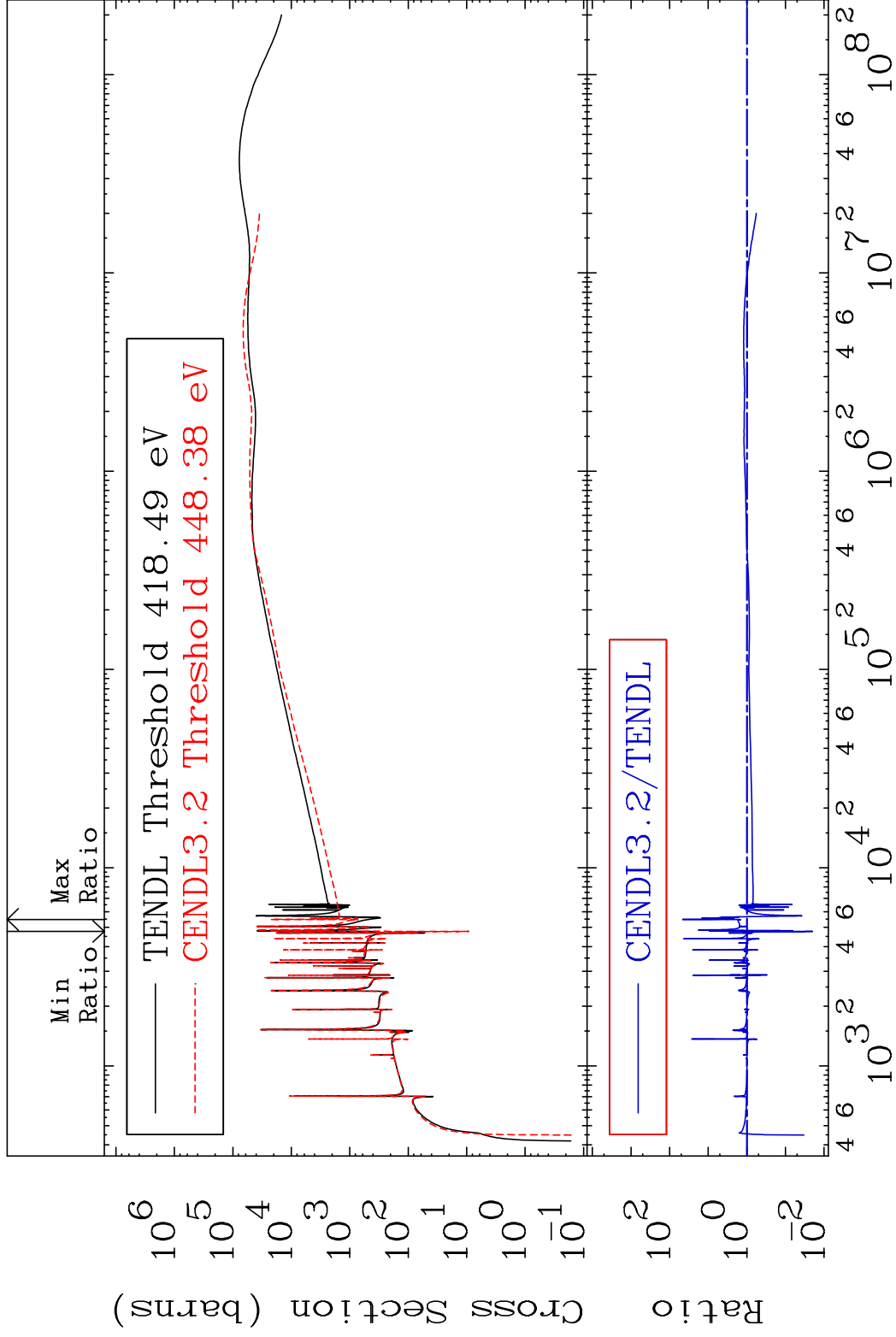
31 Incident Energy (eV) 31-Ga-71

MAT 3131

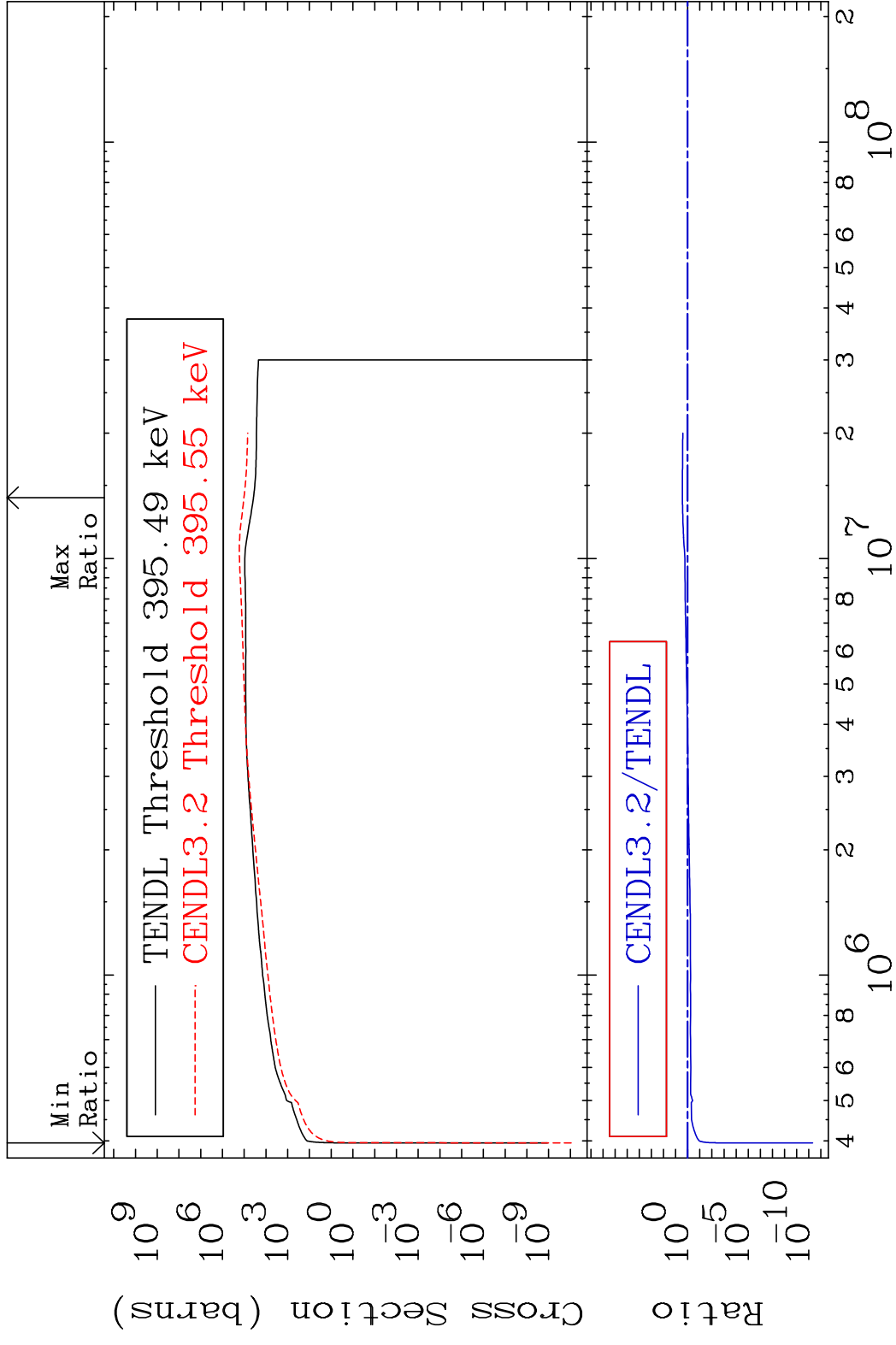
Dpa elastic (mt2)

31-Ga-71

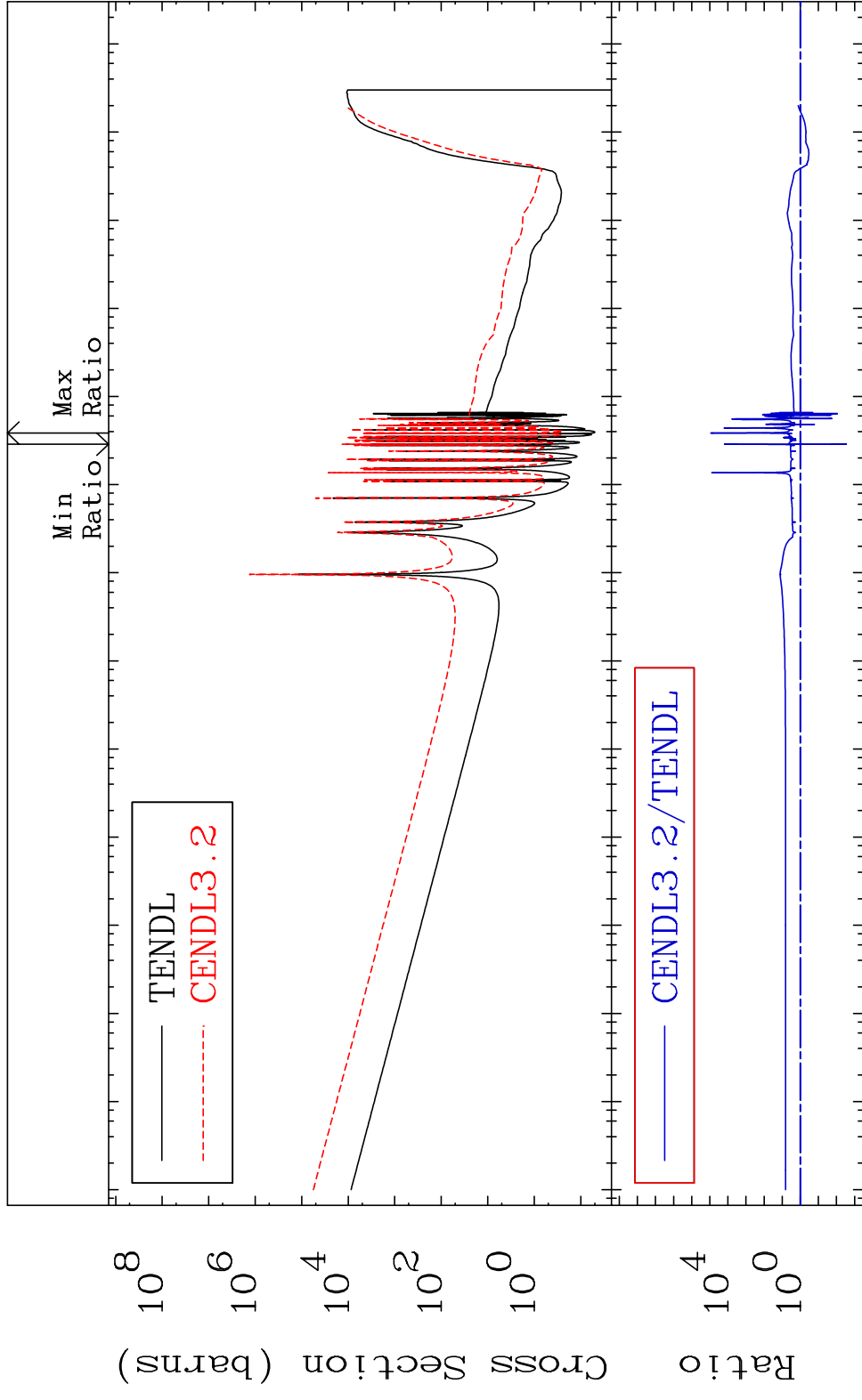
Cross Section -98.01 To 4585. %



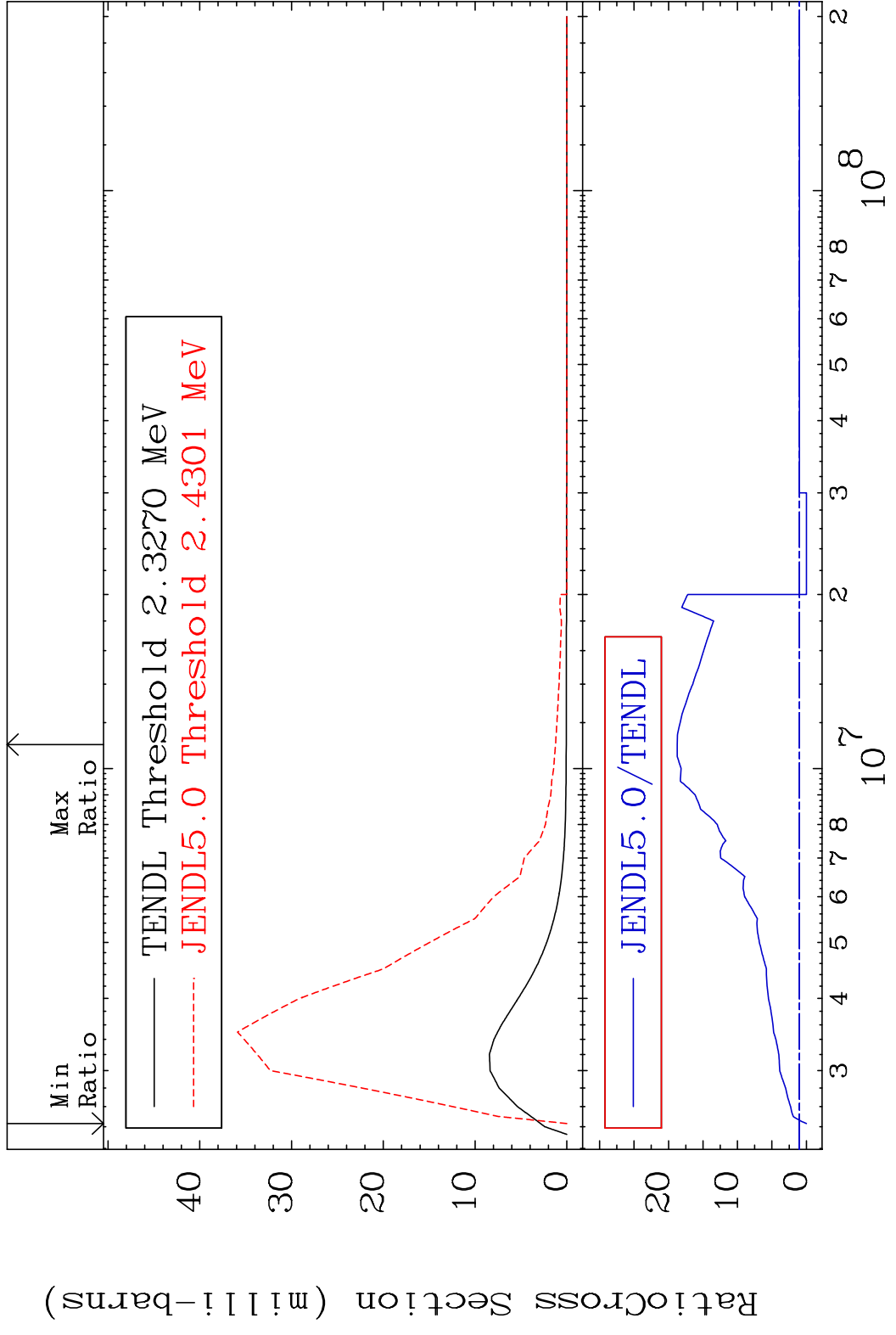
MAT 3131 Dpa inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 176.3 %



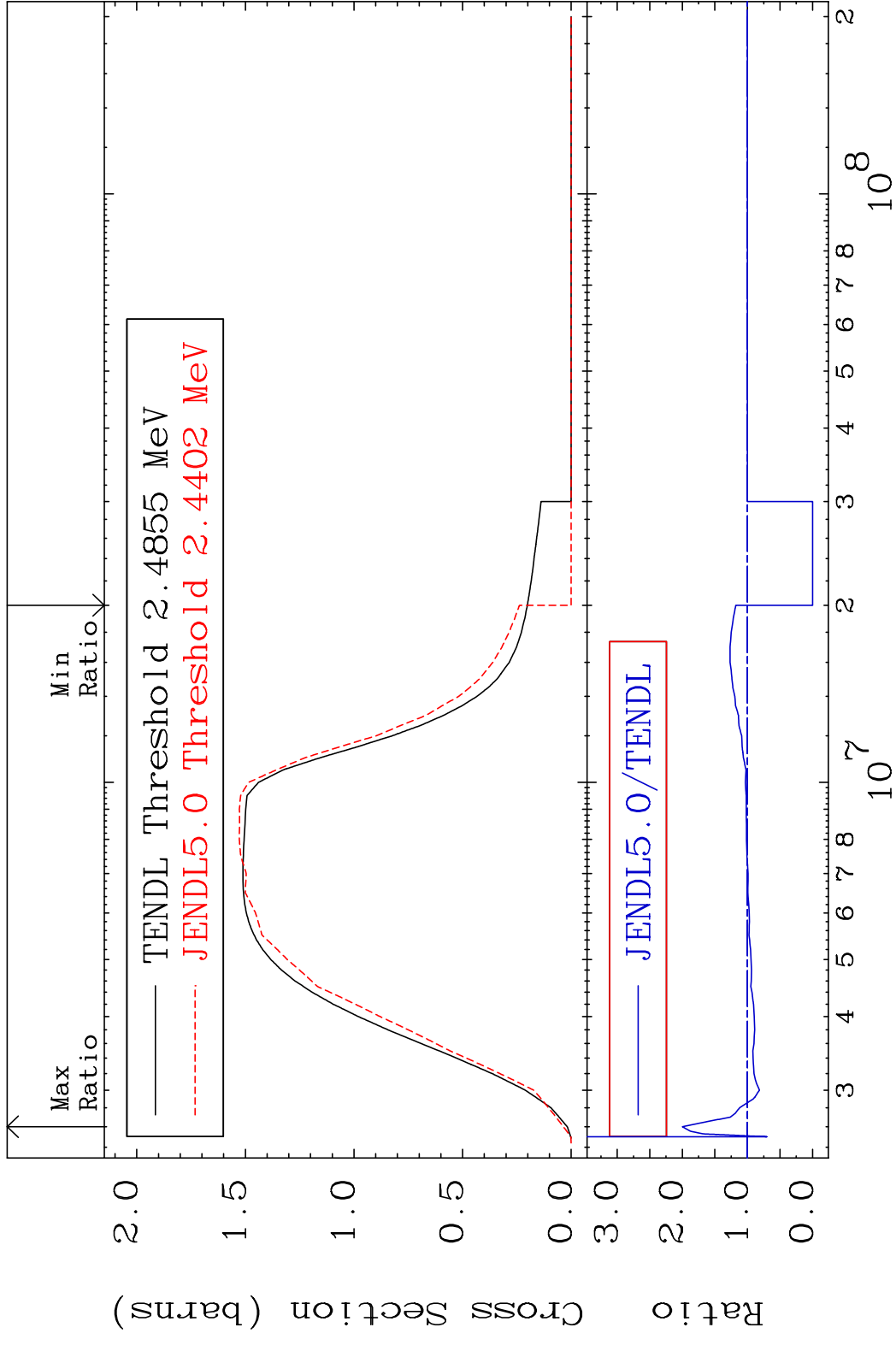
MAT 3131 Dpa disappearance (mt102 -120) 31-Ga-71
 Cross Section -99.71 To 9999. %



MAT 3131 MT= 76 (n, n') Level 31-Ga-71
 Cross Section -100.0 To 1774. %



MAT 3131 (n,n') Continuum 31-Ga-71
 Cross Section -100.0 To 99.94 %

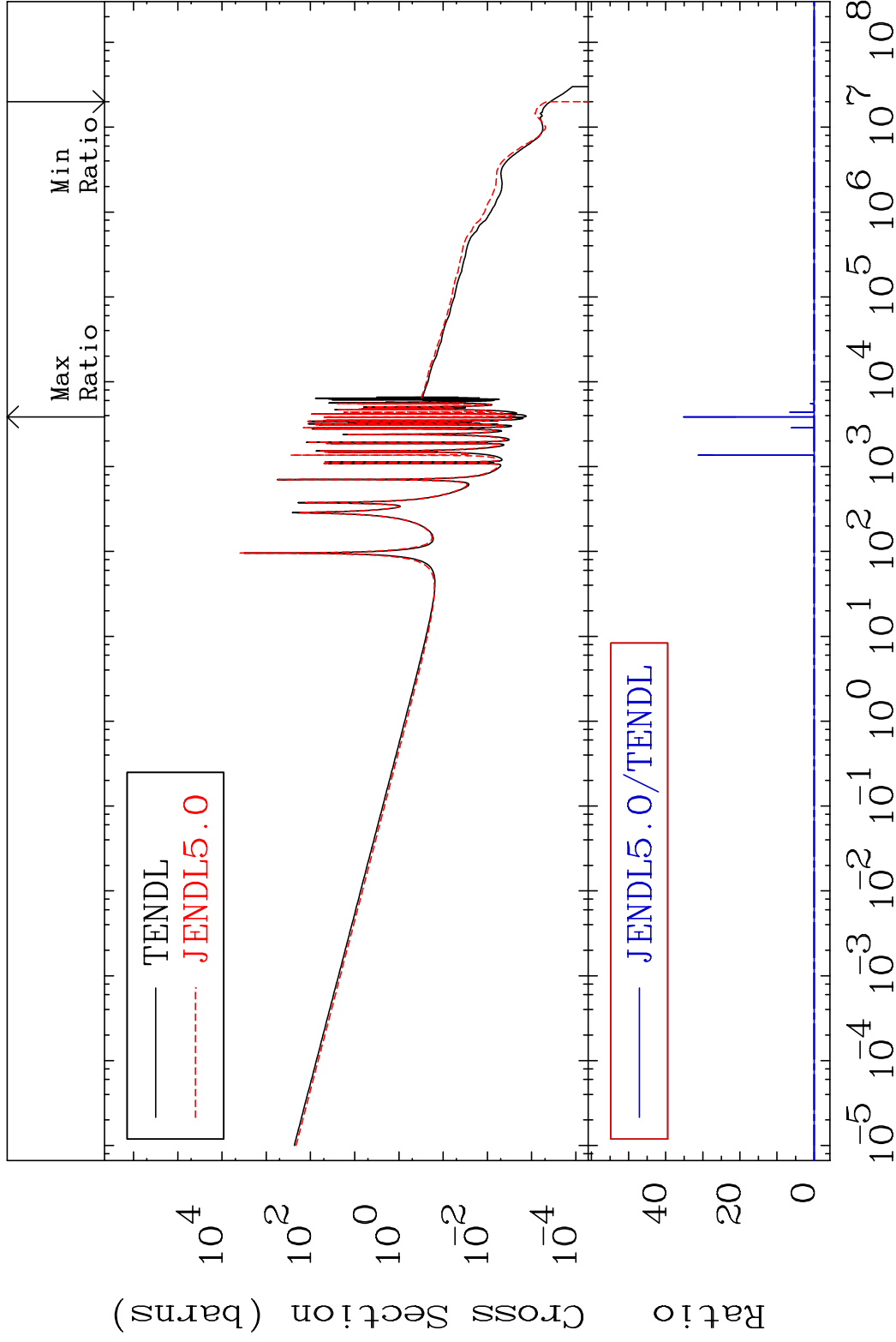


MAT 3131

(n, γ)

31-Ga-71

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

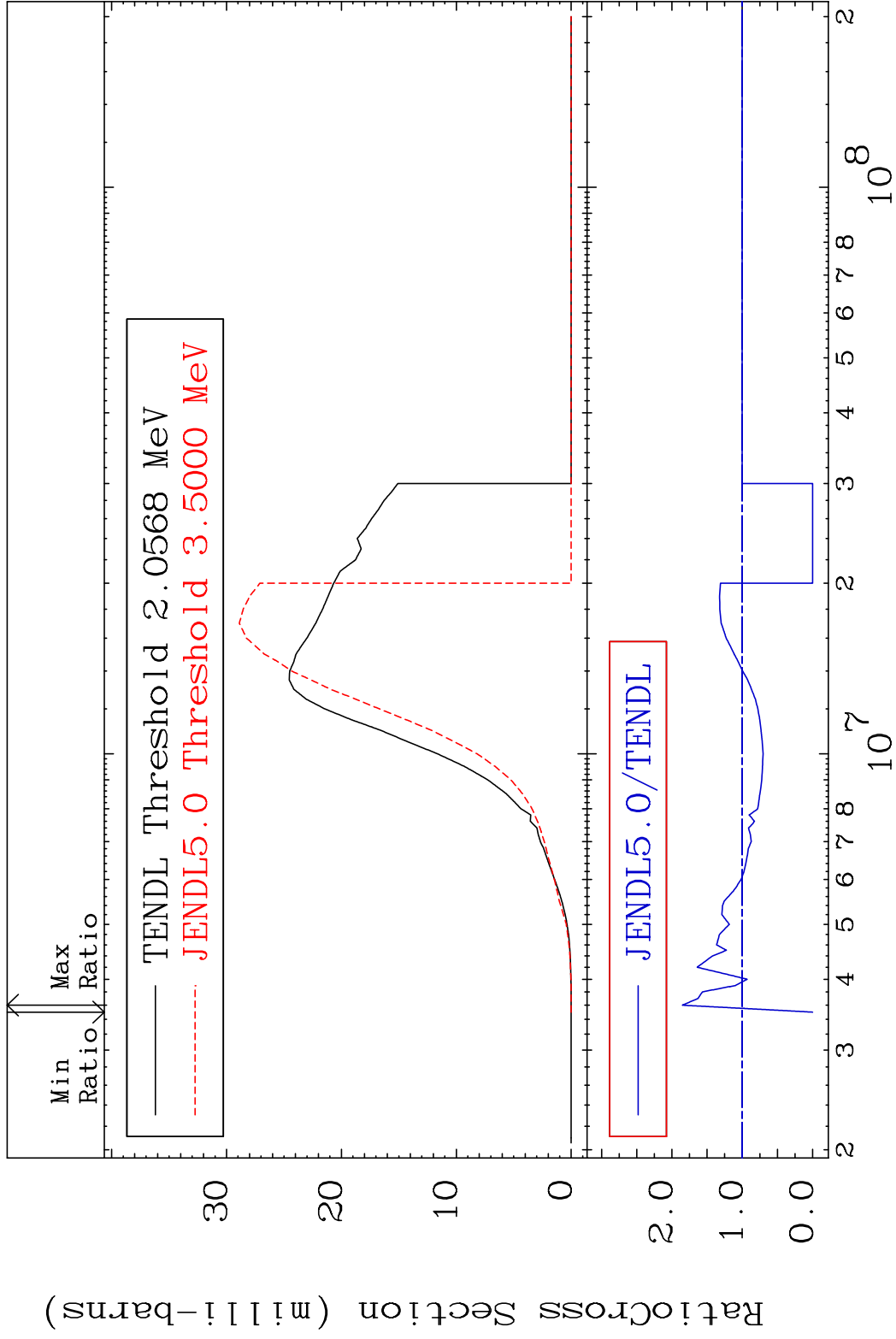
31-Ga-71

MAT 3131

(n, p)

31-Ga-71

Cross Section -100.0 To 85.17 %



38

Incident Energy (eV)

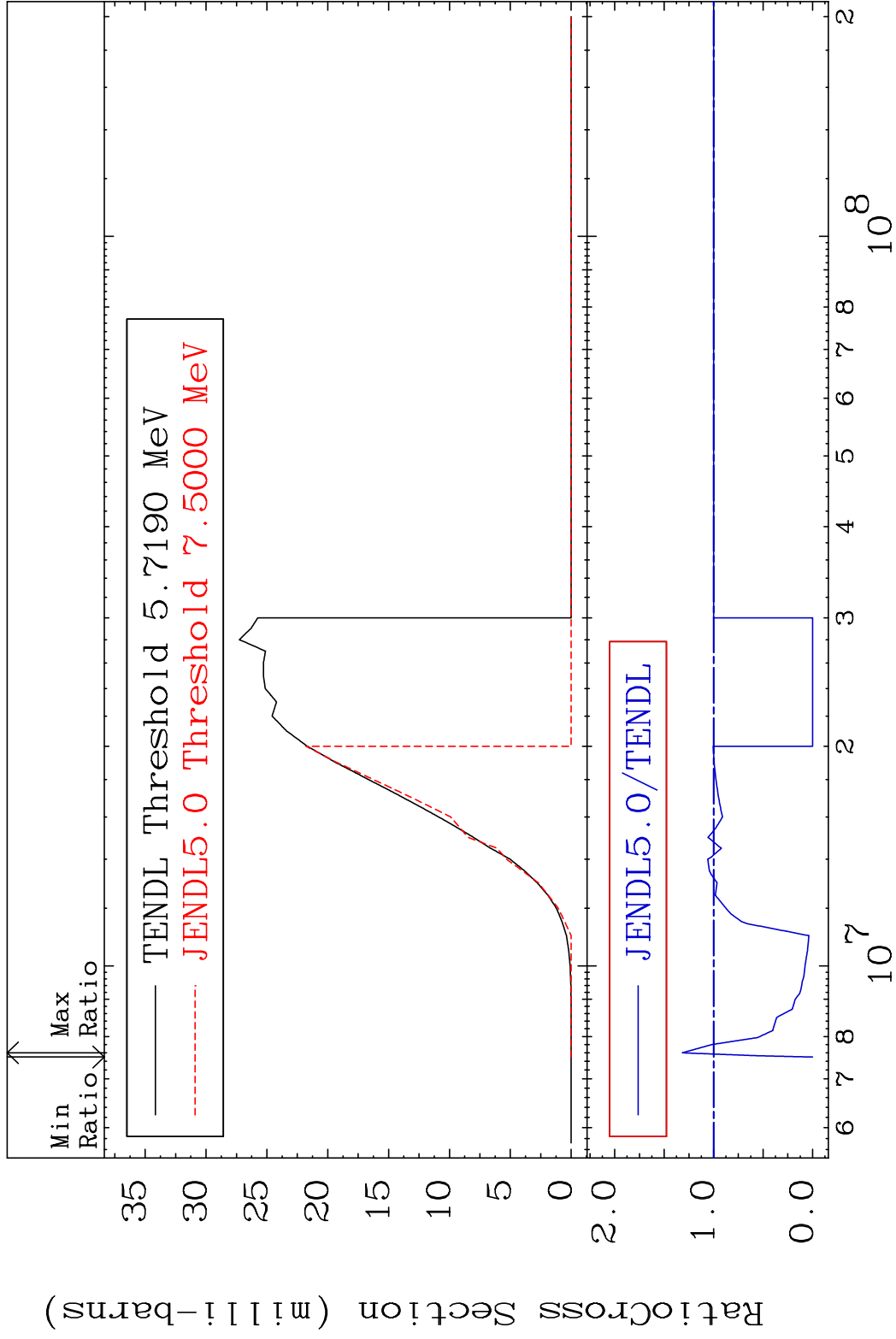
31-Ga-71

MAT 3131

(n, d)

31-Ga-71

Cross Section -100.0 To 31.61 %



39

Incident Energy (eV)

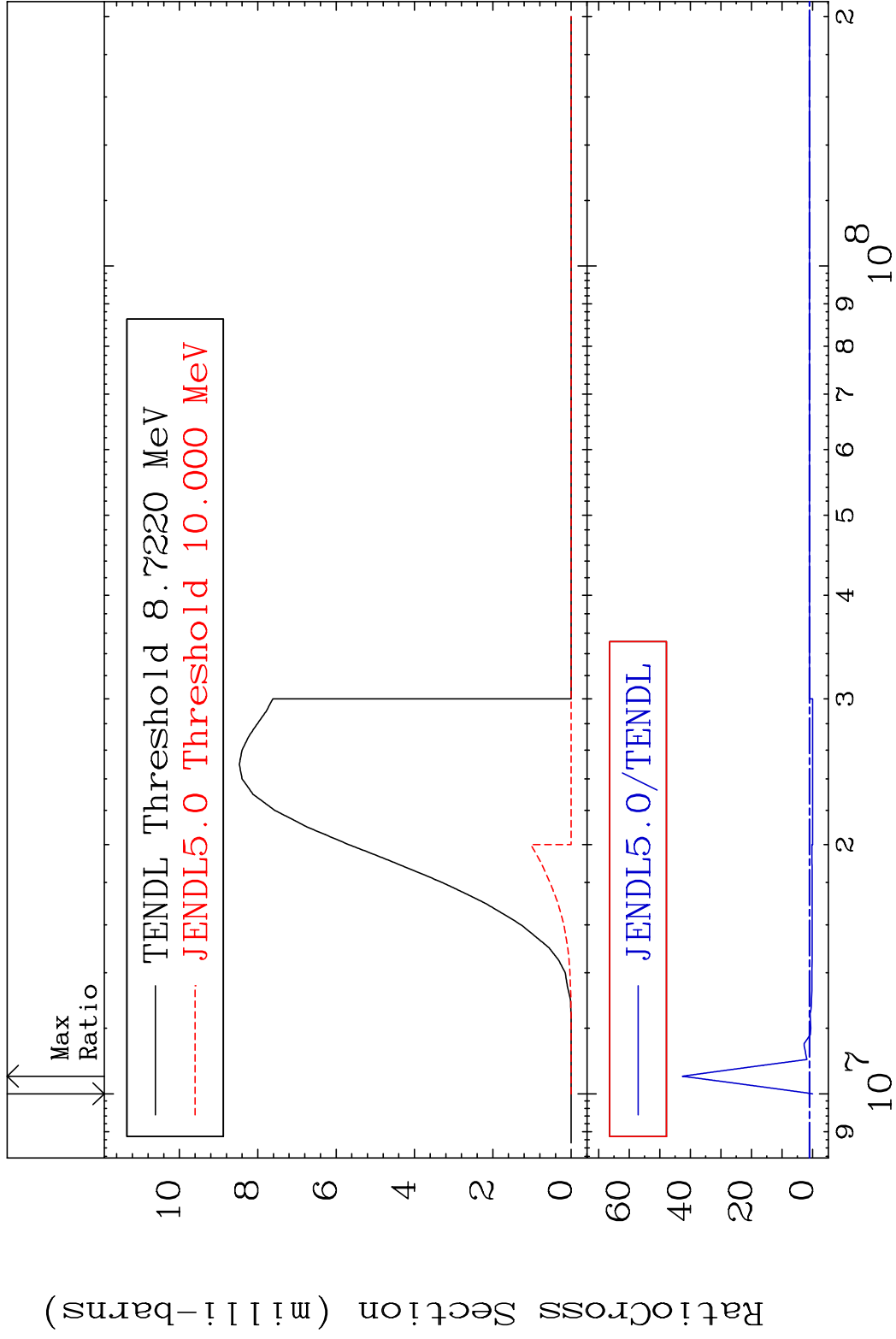
31-Ga-71

MAT 3131

(n, t)

31-Ga-71

Cross Section -100.0 To 4160. %



40

Incident Energy (eV)

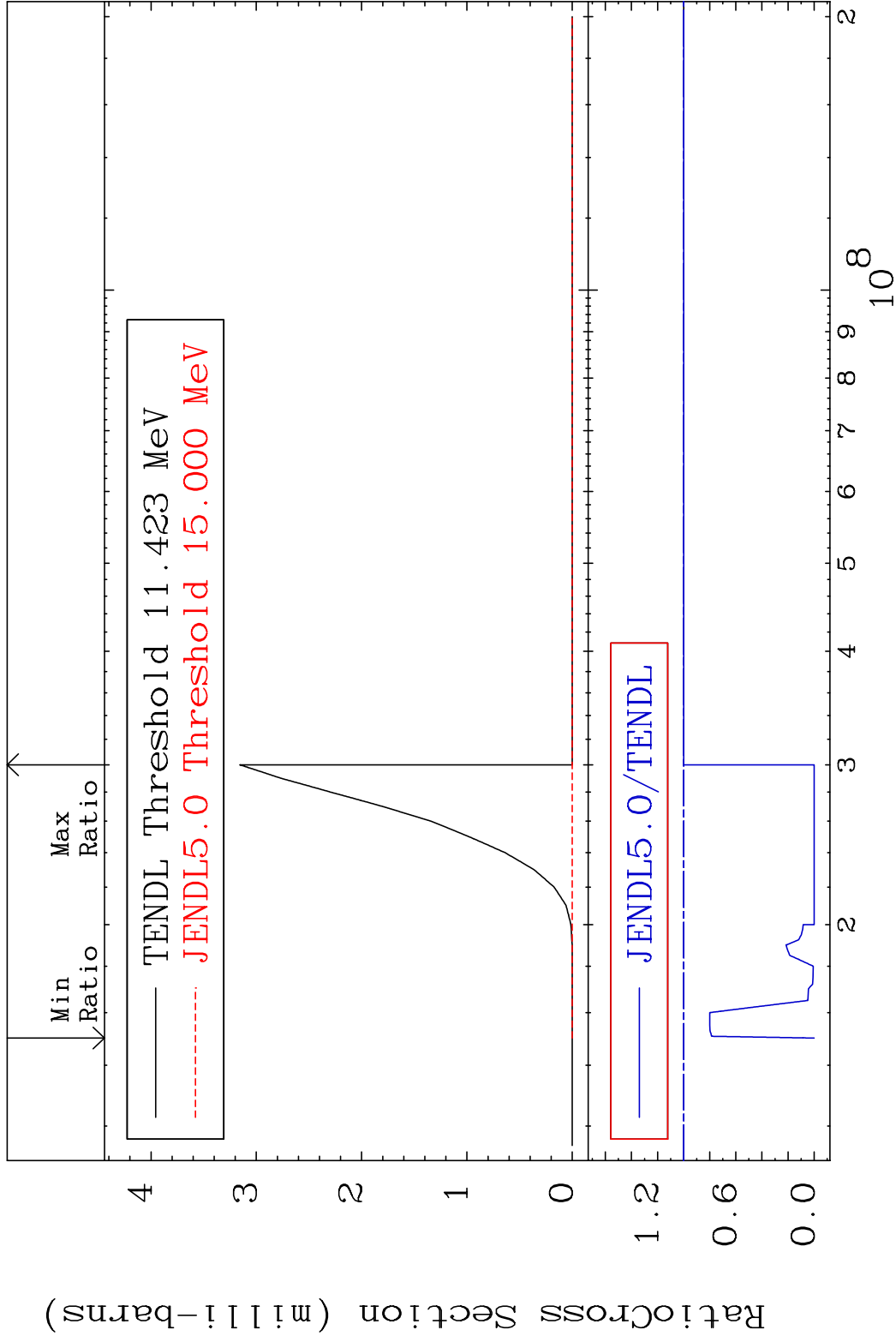
31-Ga-71

MAT 3131

(n, He-3)

31-Ga-71

Cross Section -100.0 To 0.000 %



41

Incident Energy (eV)

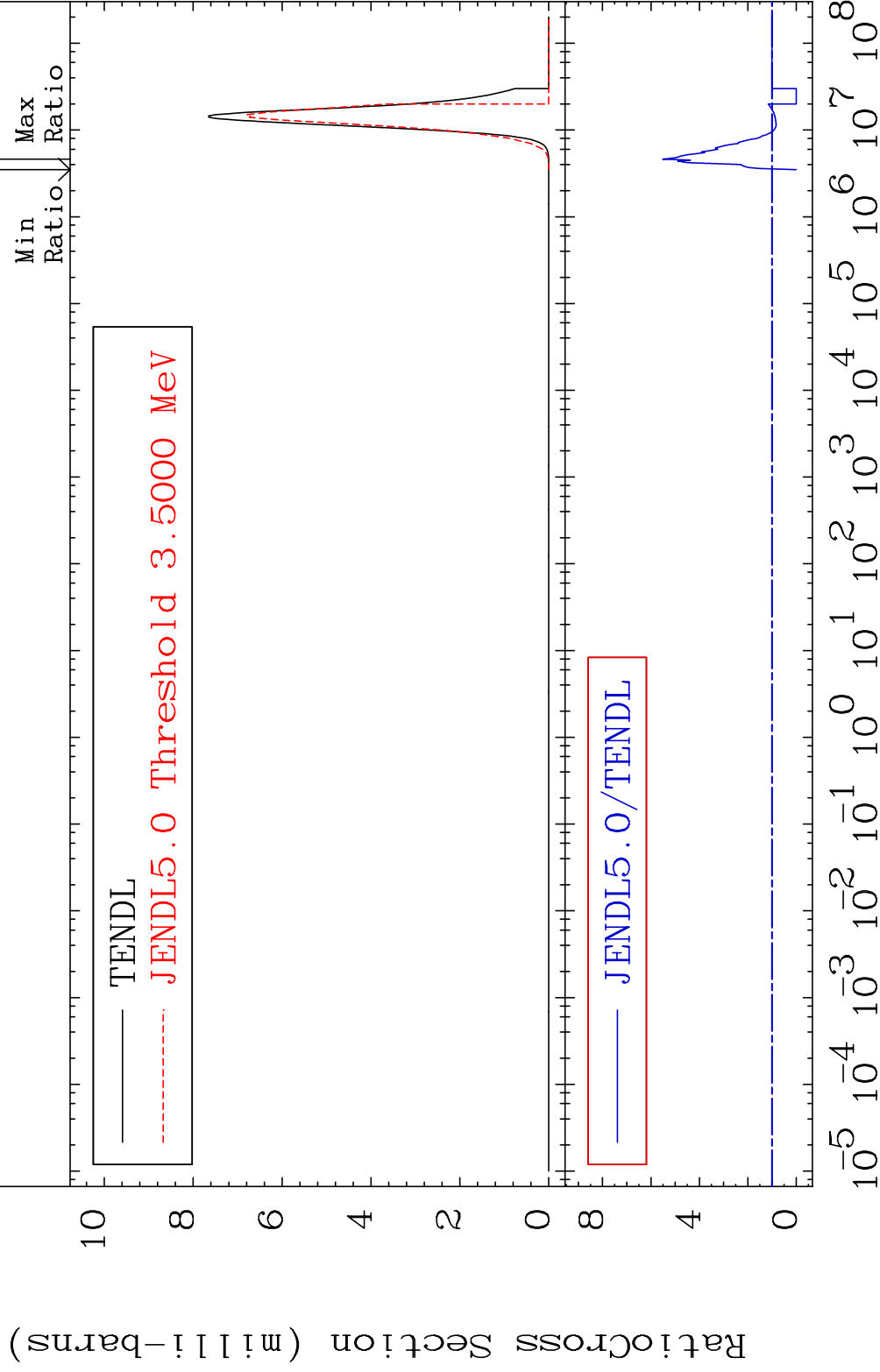
31-Ga-71

MAT 3131

(n, α)

31-Ga-71

Cross Section -100.0 To 451.4 %

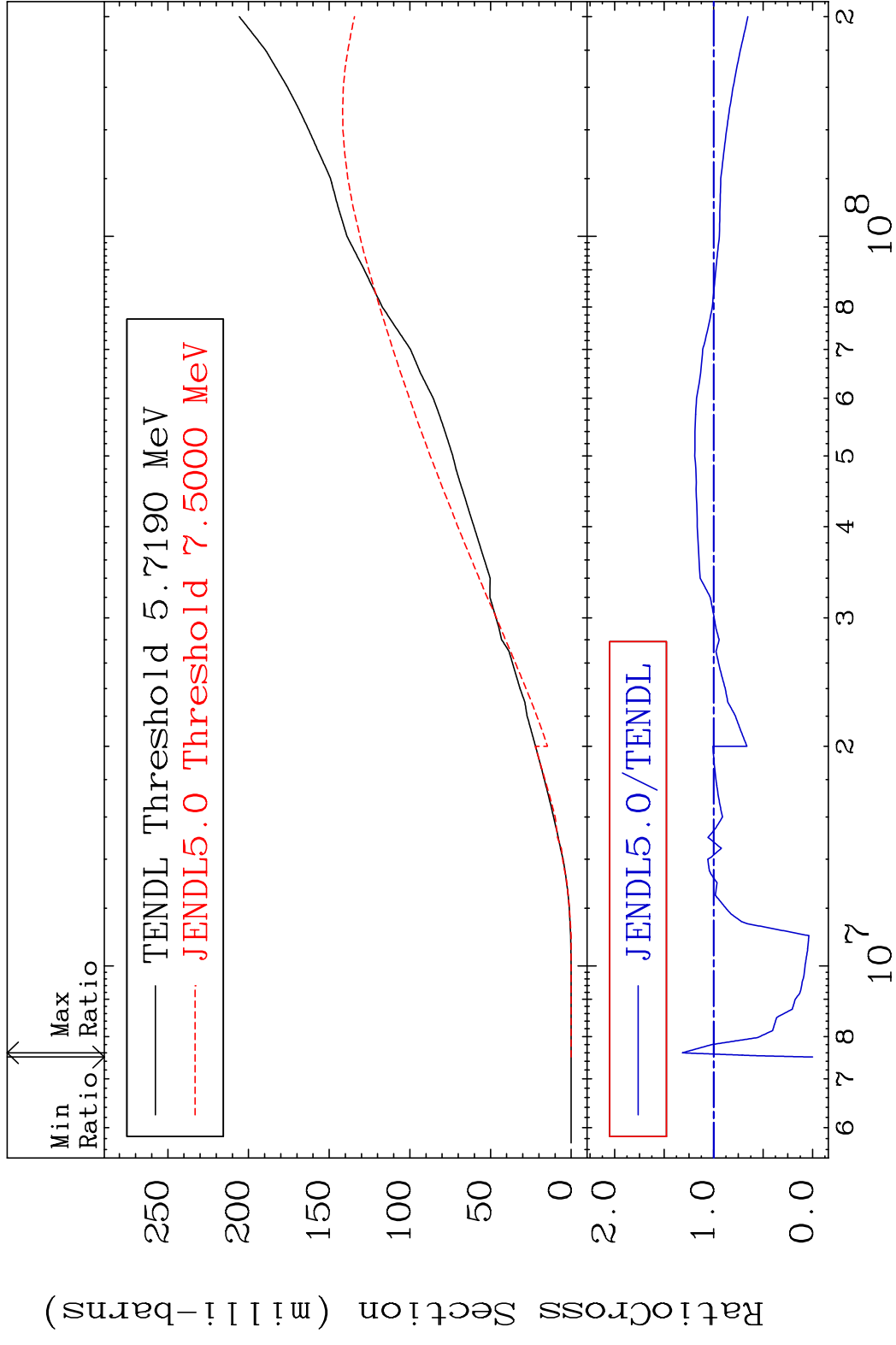


42

Incident Energy (eV)

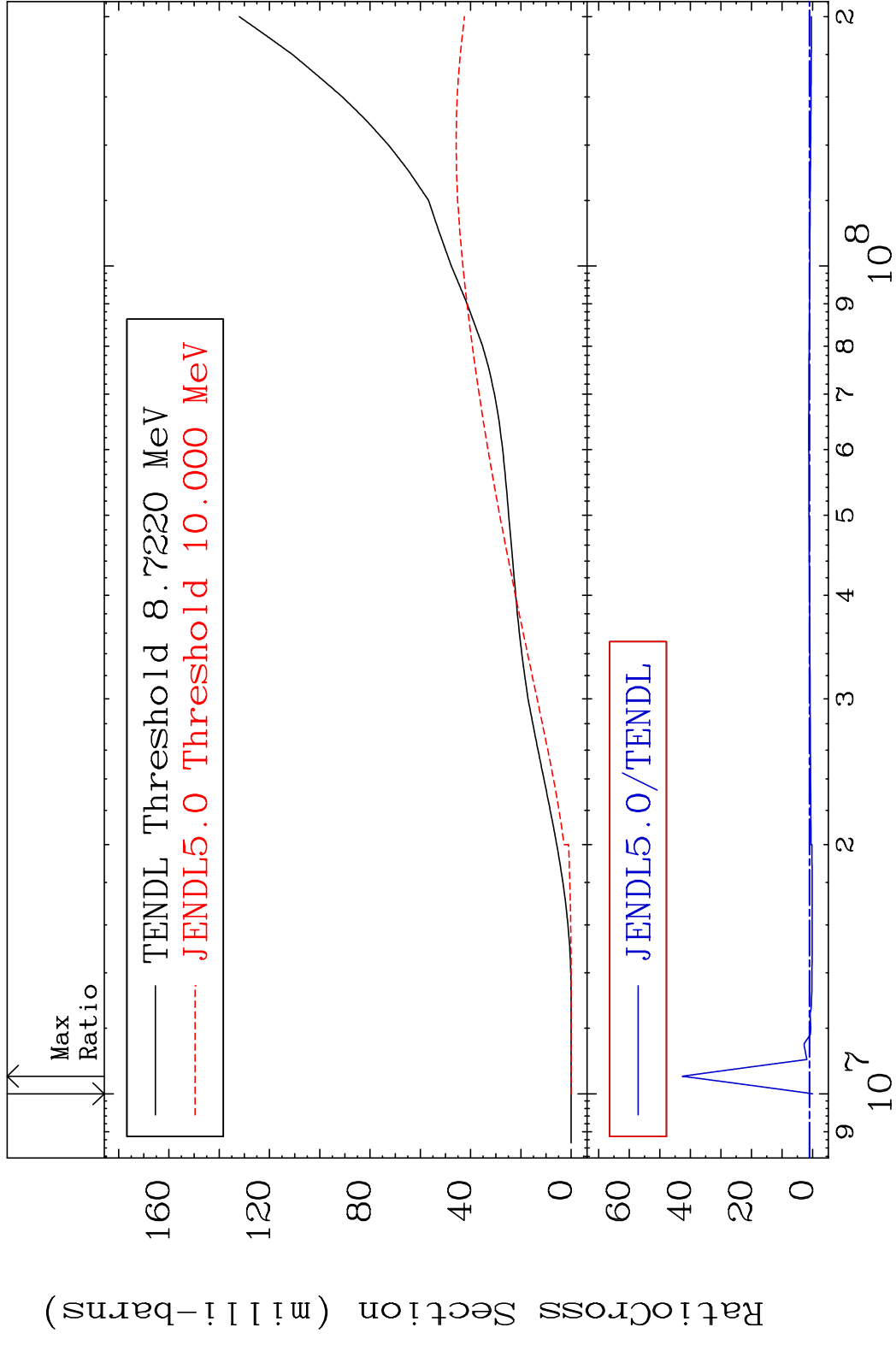
31-Ga-71

MAT 3131 Deuterium Production 31-Ga-71
 Cross Section -100.0 To 31.61 %



44 Incident Energy (eV) 31-Ga-71

MAT 3131 Tritium Production 31-Ga-71
 Cross Section -100.0 To 4160. %



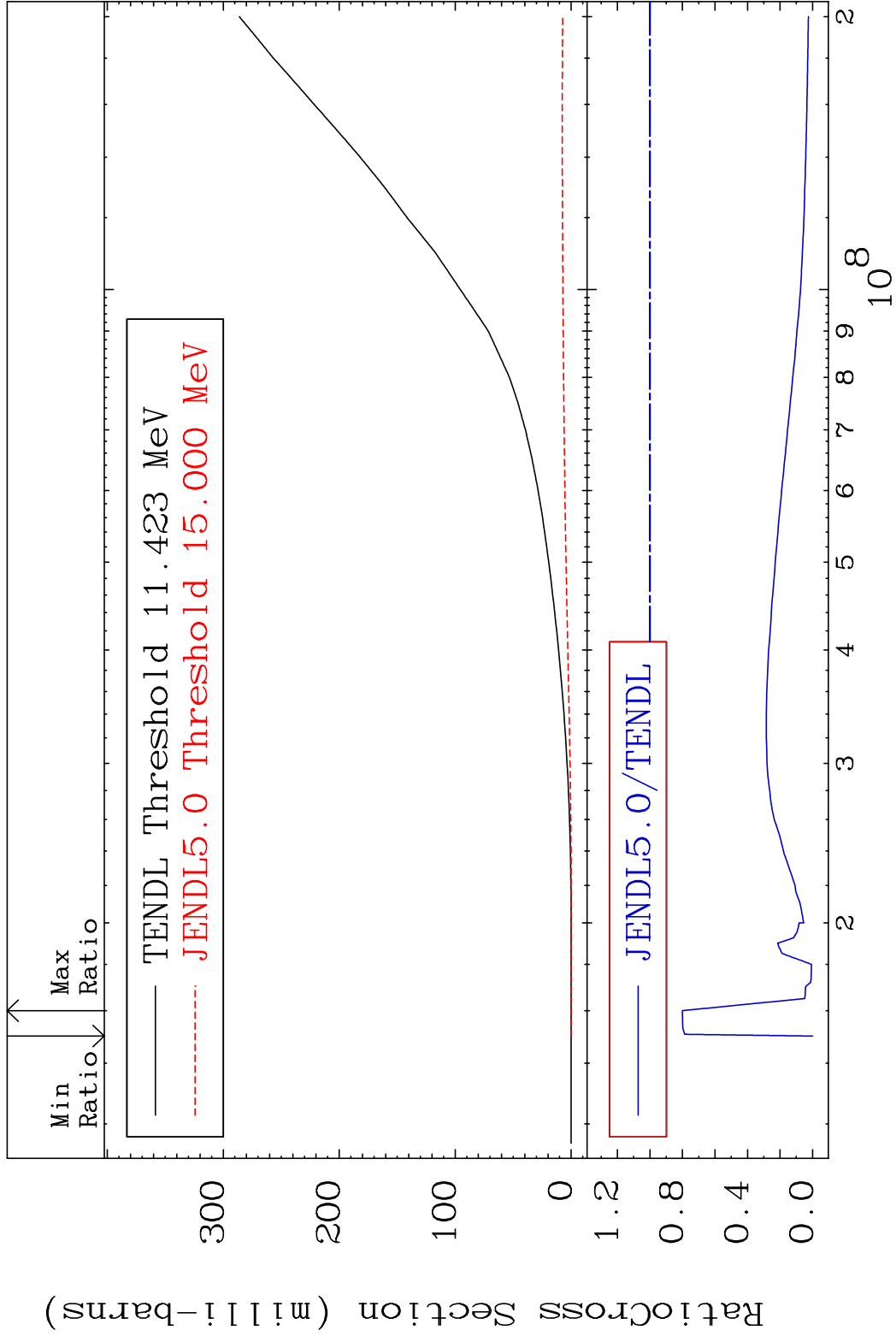
45 Incident Energy (eV) 31-Ga-71

MAT 3131

He-3 Production

31-Ga-71

Cross Section -100.0 To -19.93%



46

Incident Energy (eV)

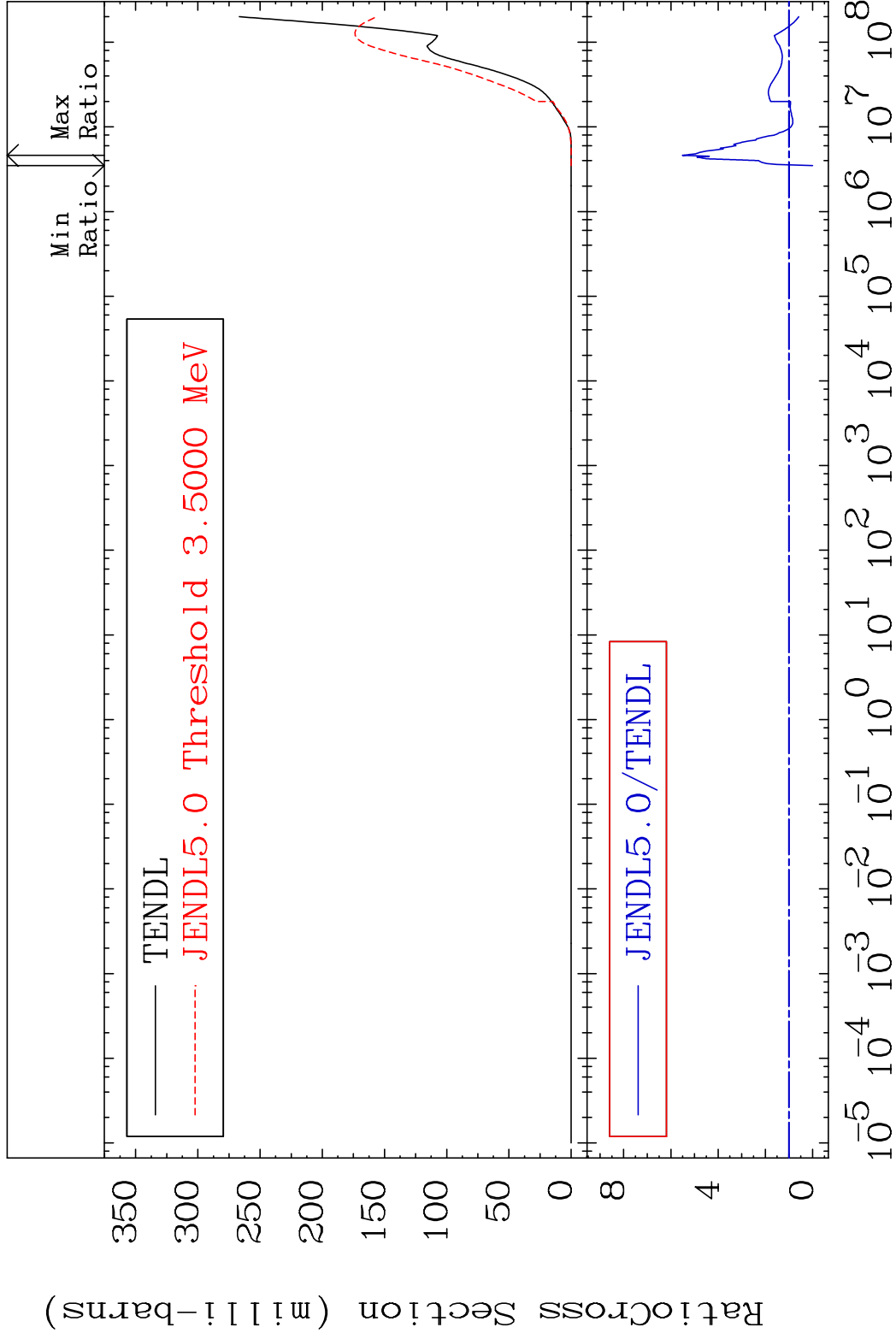
31-Ga-71

MAT 3131

He-4 Production

31-Ga-71

Cross Section -100.0 To 451.4 %

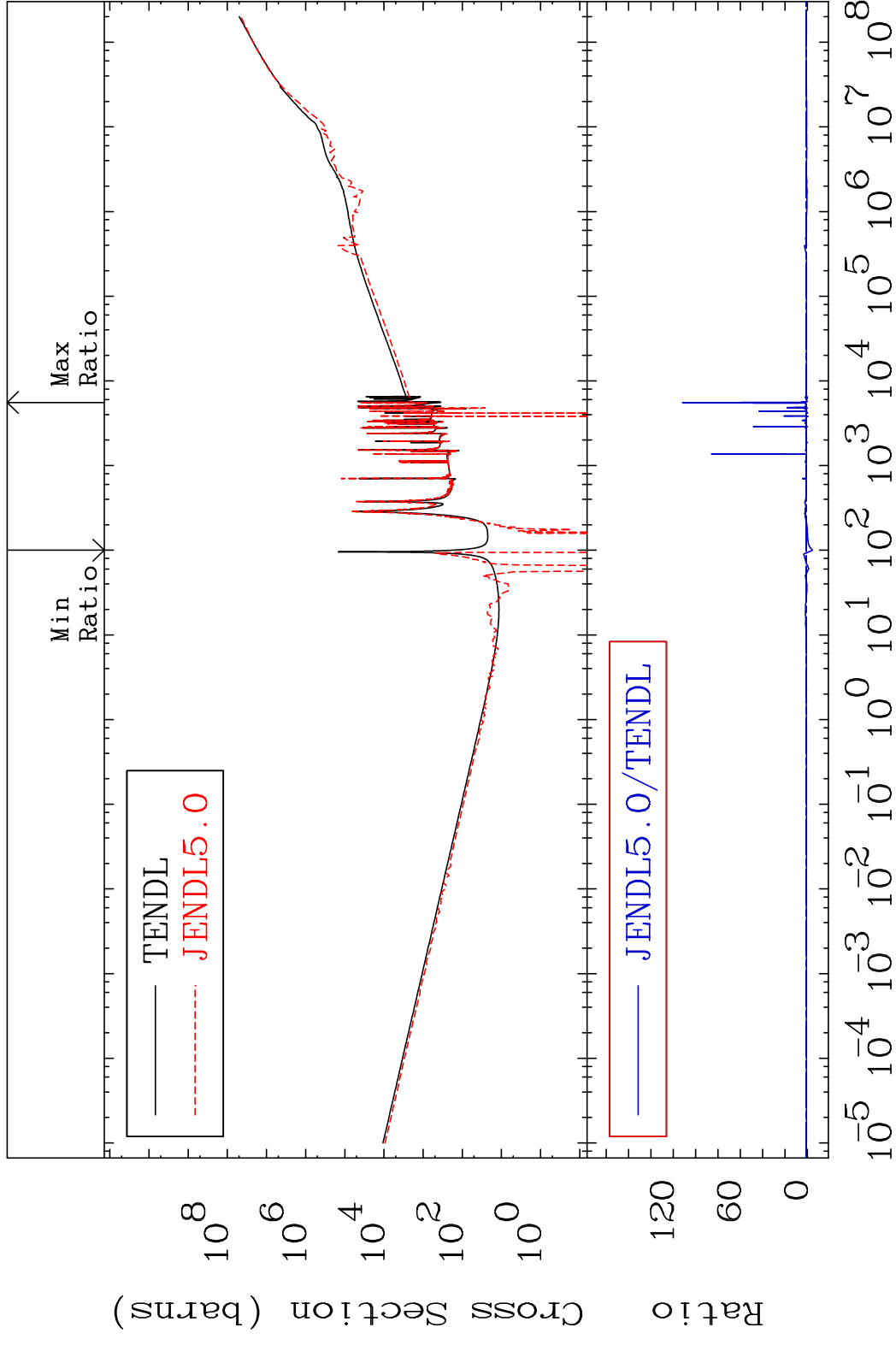


47

Incident Energy (eV)

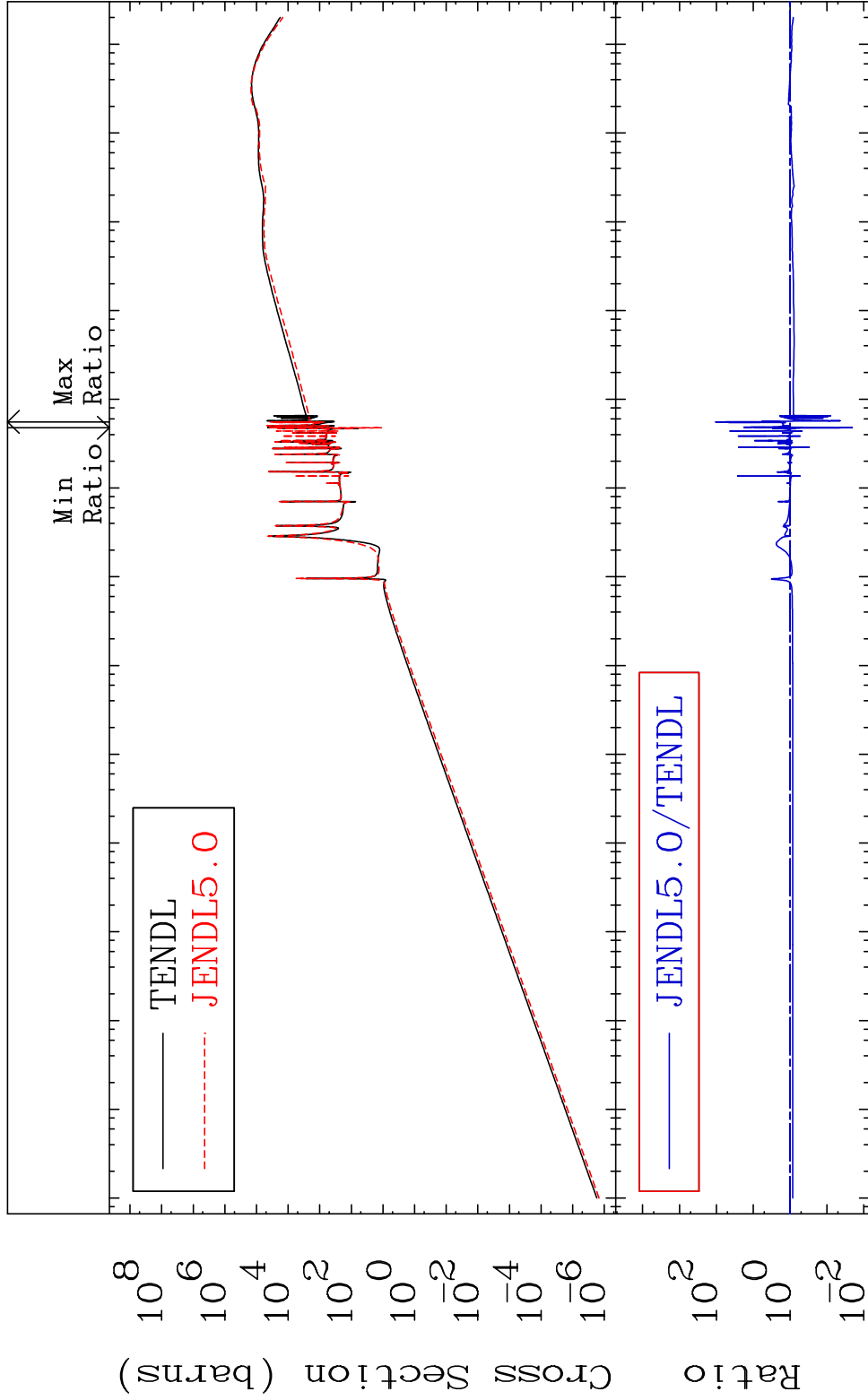
31-Ga-71

MAT 3131 Kerma total (eV-barns) 31-Ga-71
 Cross Section -559.3 To 9999. %

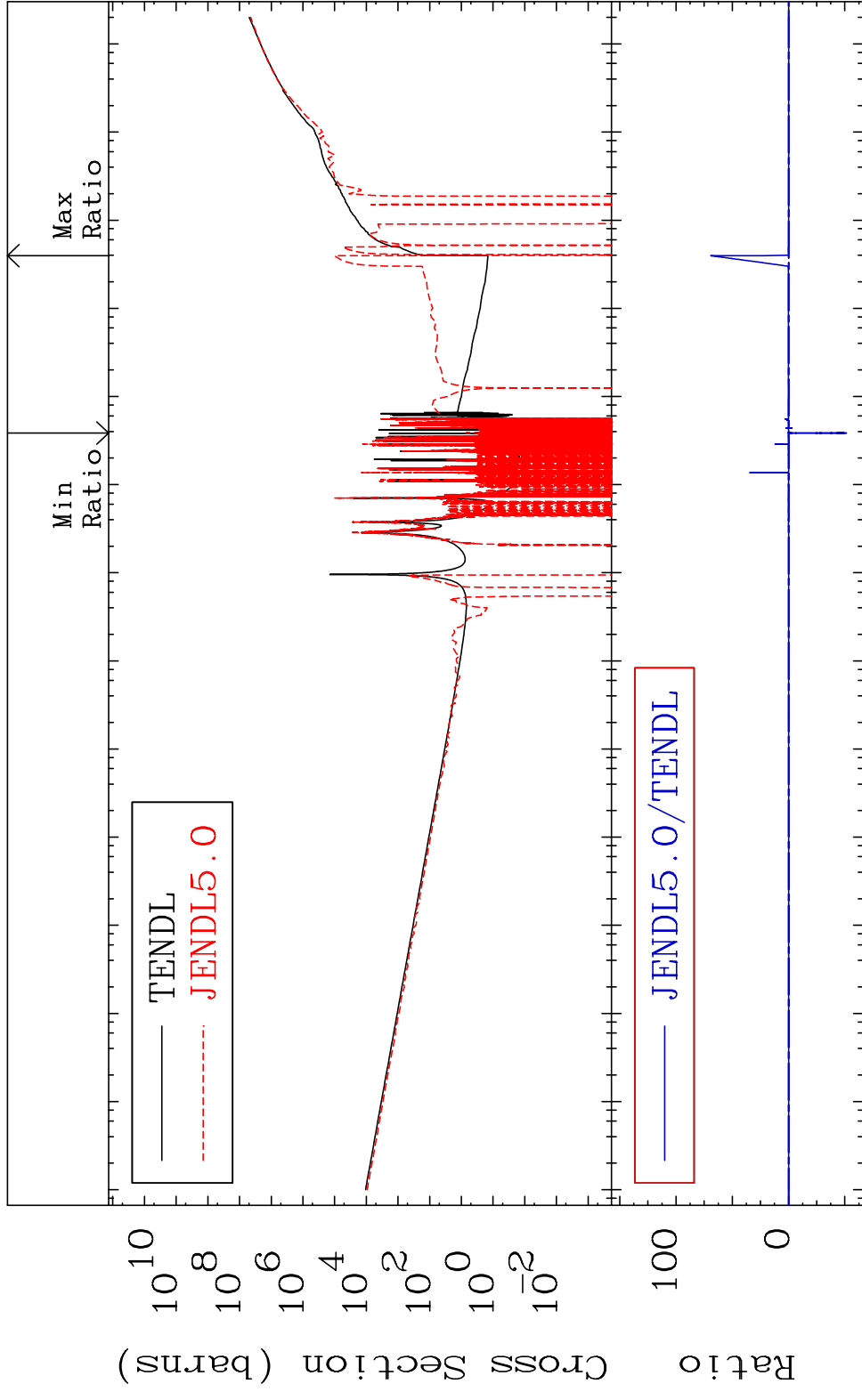


MAT 3131

Kerma elastic Cross Section -97.94 To 9999. %
31-Ga-71

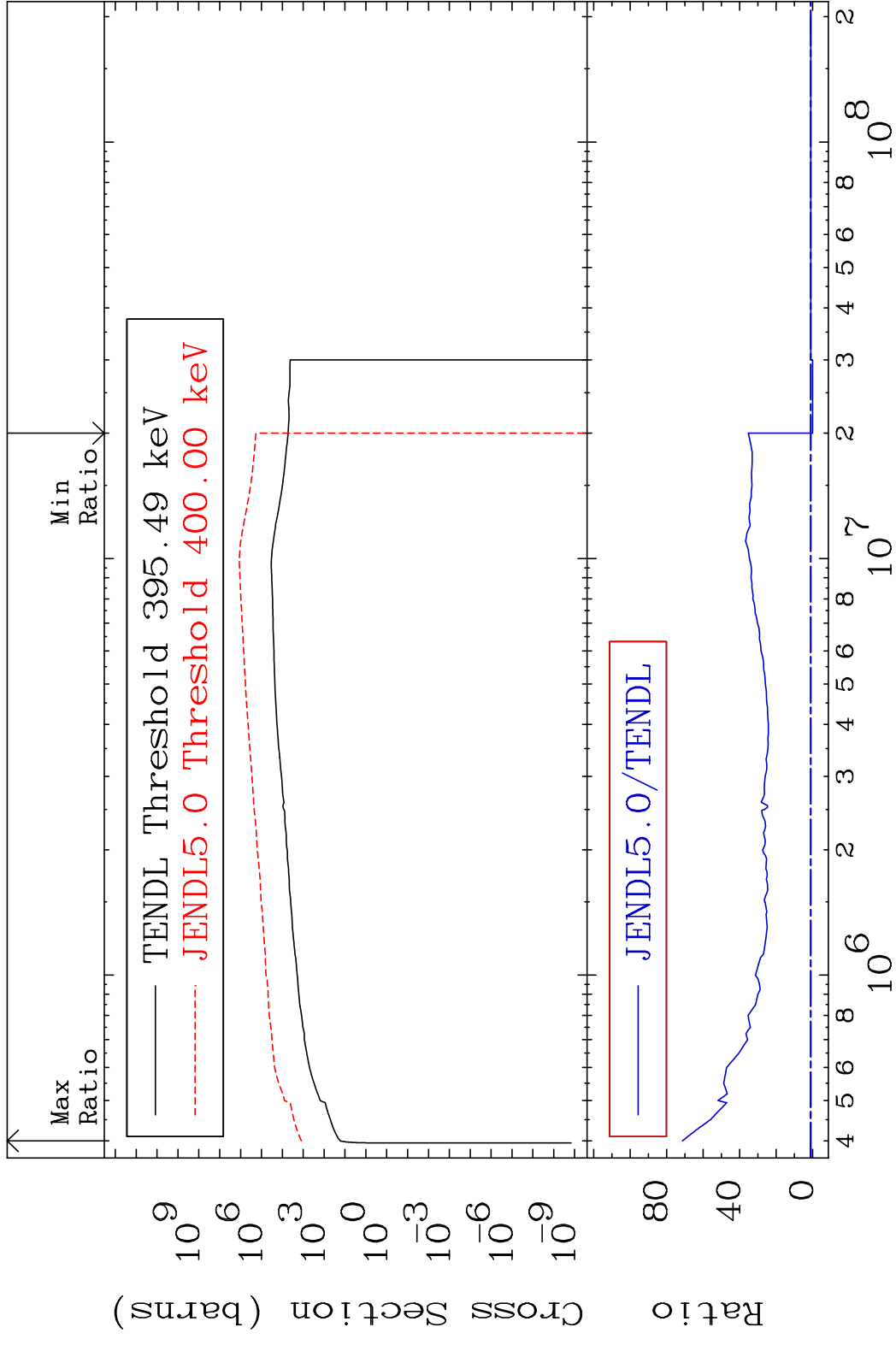


MAT 3131 Kerma non-elastic (all but mt2) 31-Ga-71
 Cross Section -9999. To 9999. %

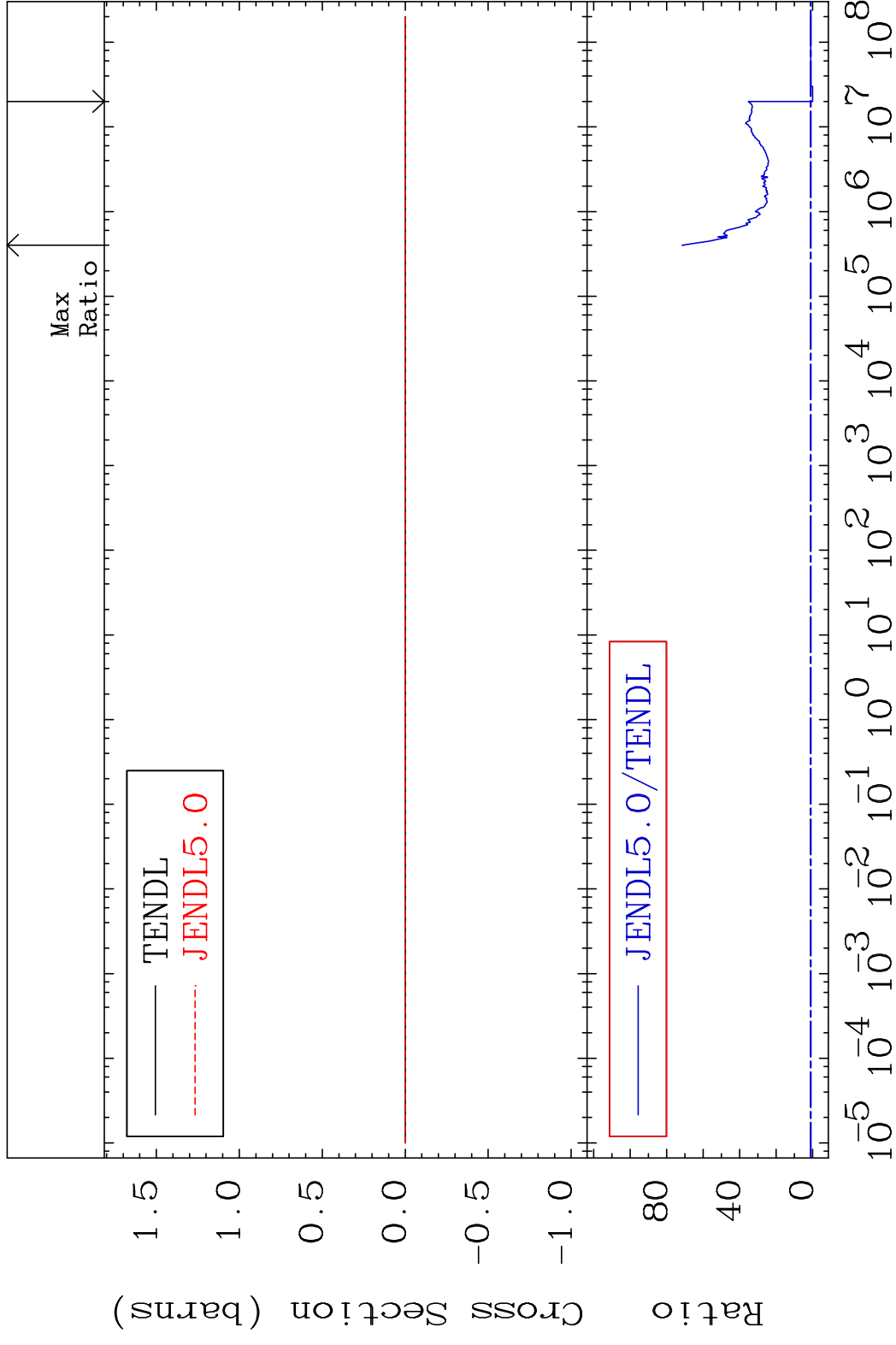


50 Incident Energy (eV) 31-Ga-71

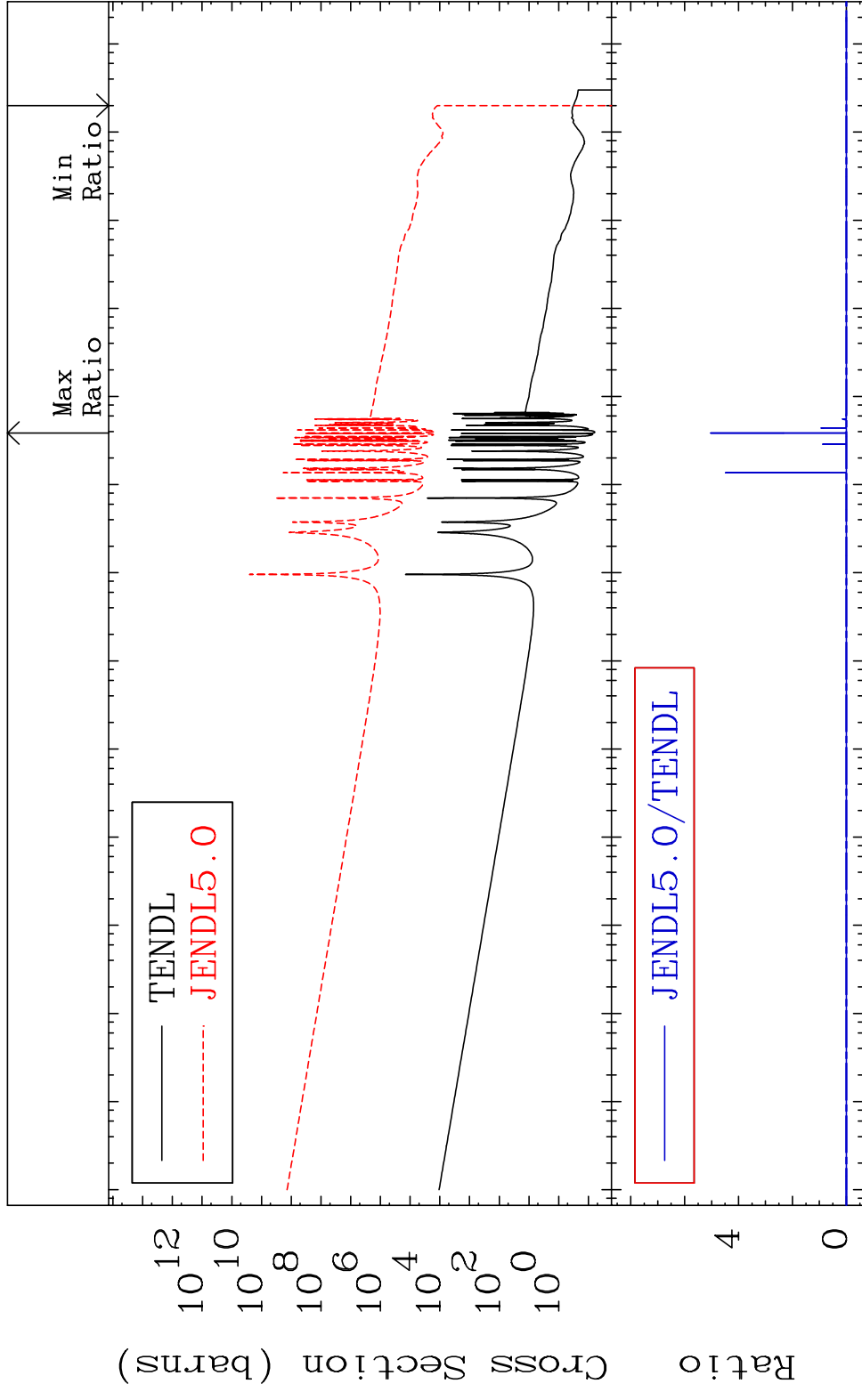
MAT 3131 Kerma inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 7036. %



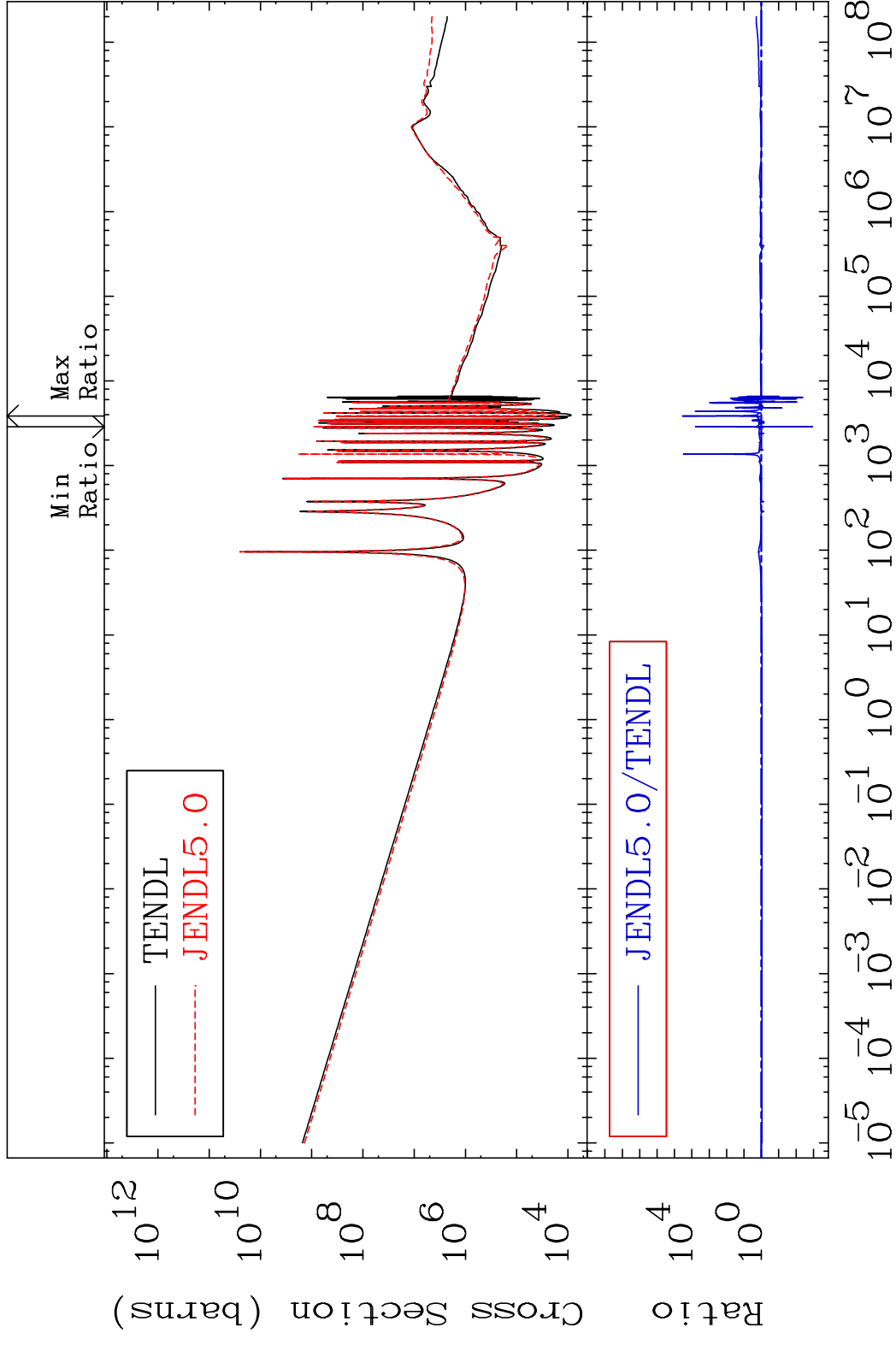
MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71
 Cross Section -100.0 To 7036. %



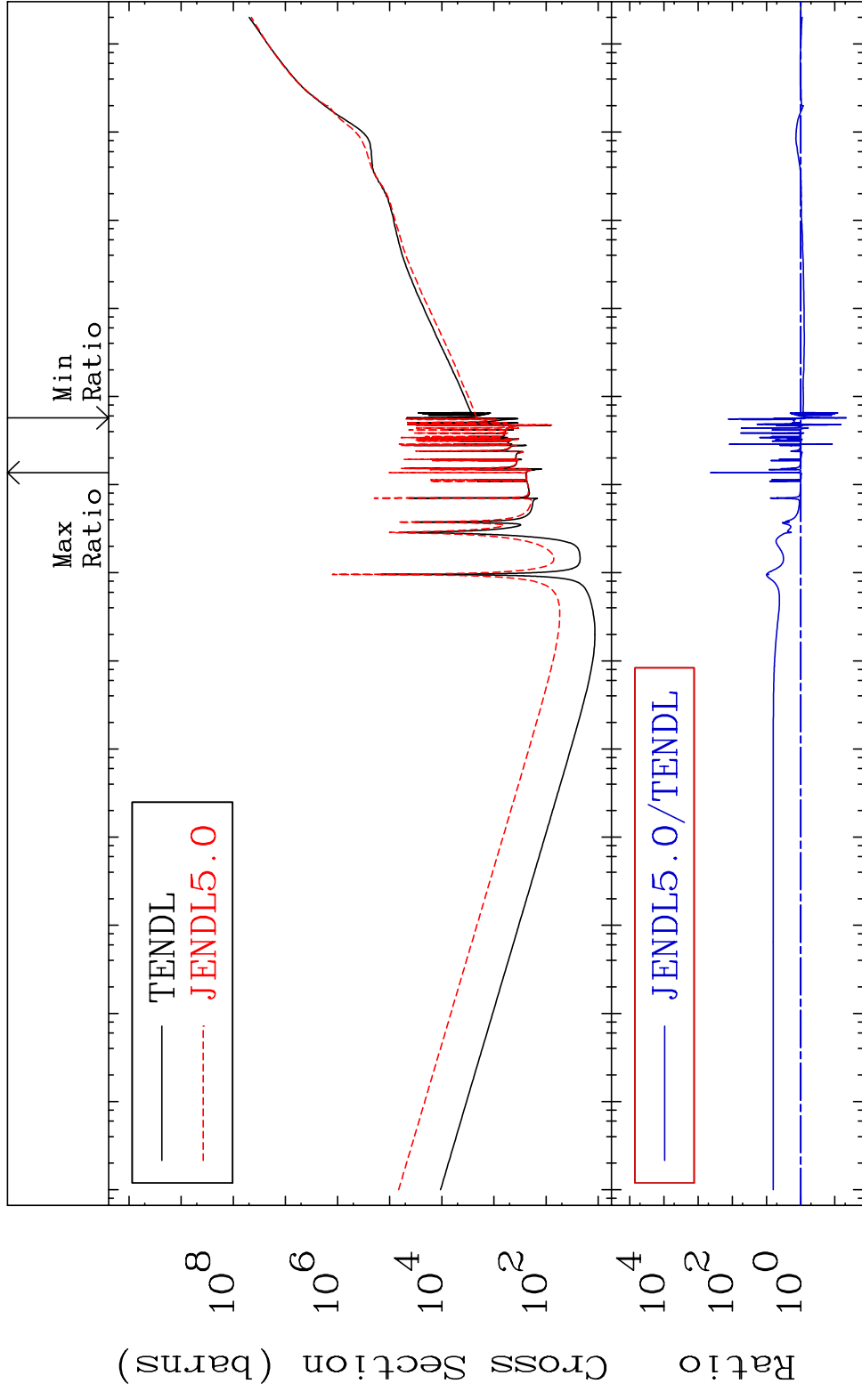
MAT 3131 Kerma capture (mt102) 31-Ga-71
 Cross Section -100.0 To 9999. %



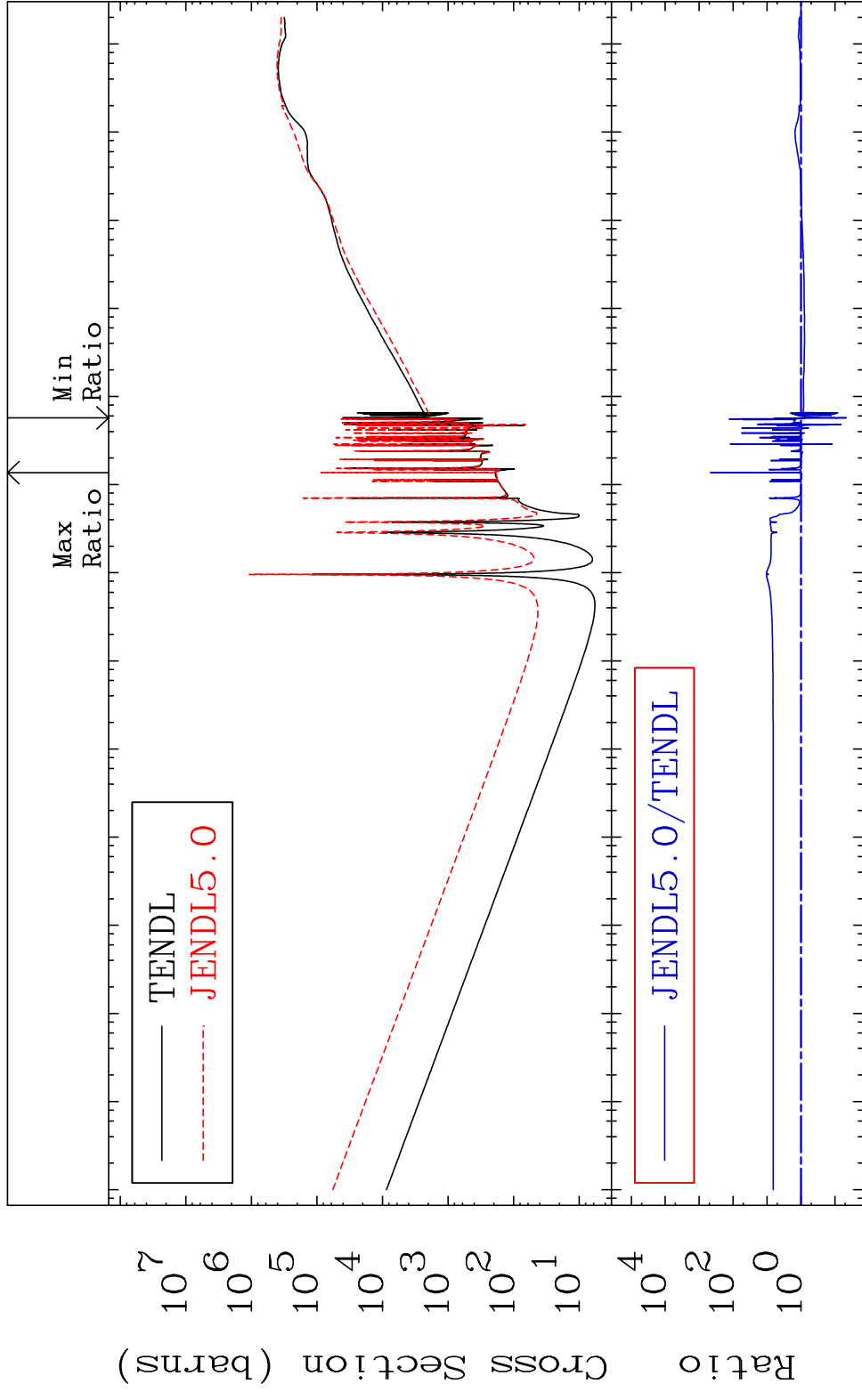
MAT 3131 Total photon (eV-barns) 31-Ga-71
 Cross Section -99.89 To 9999. %



MAT 3131 Total kinematic kerma (high limit) 31-Ga-71
 Cross Section -95.38 To 9999. %



MAT 3131 Dpa total (eV-barns) 31-Ga-71
 Cross Section -95.39 To 9999. %



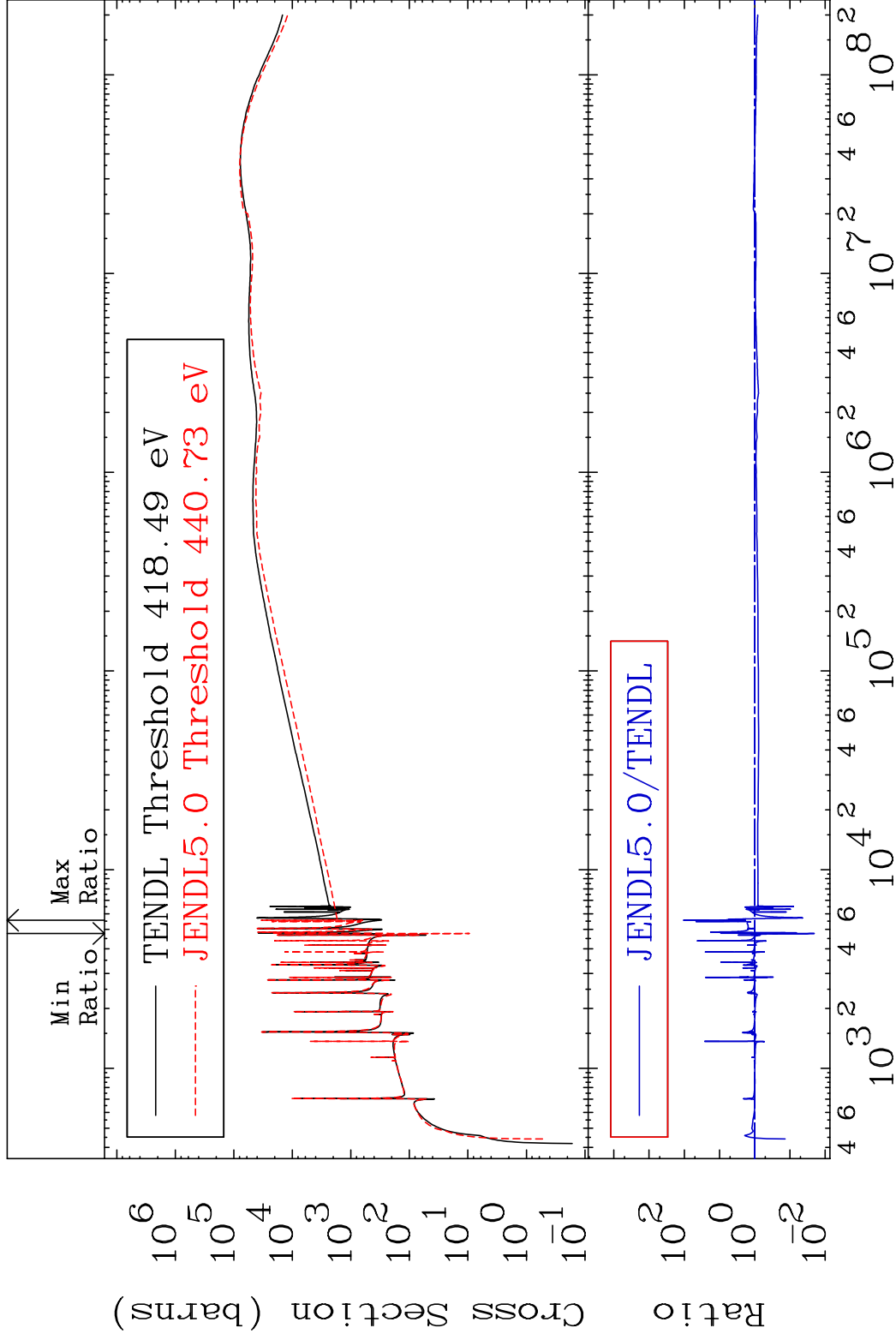
56 Incident Energy (eV) 31-Ga-71

MAT 3131

Dpa elastic (mt2)

31-Ga-71

Cross Section -97.94 To 9999. %

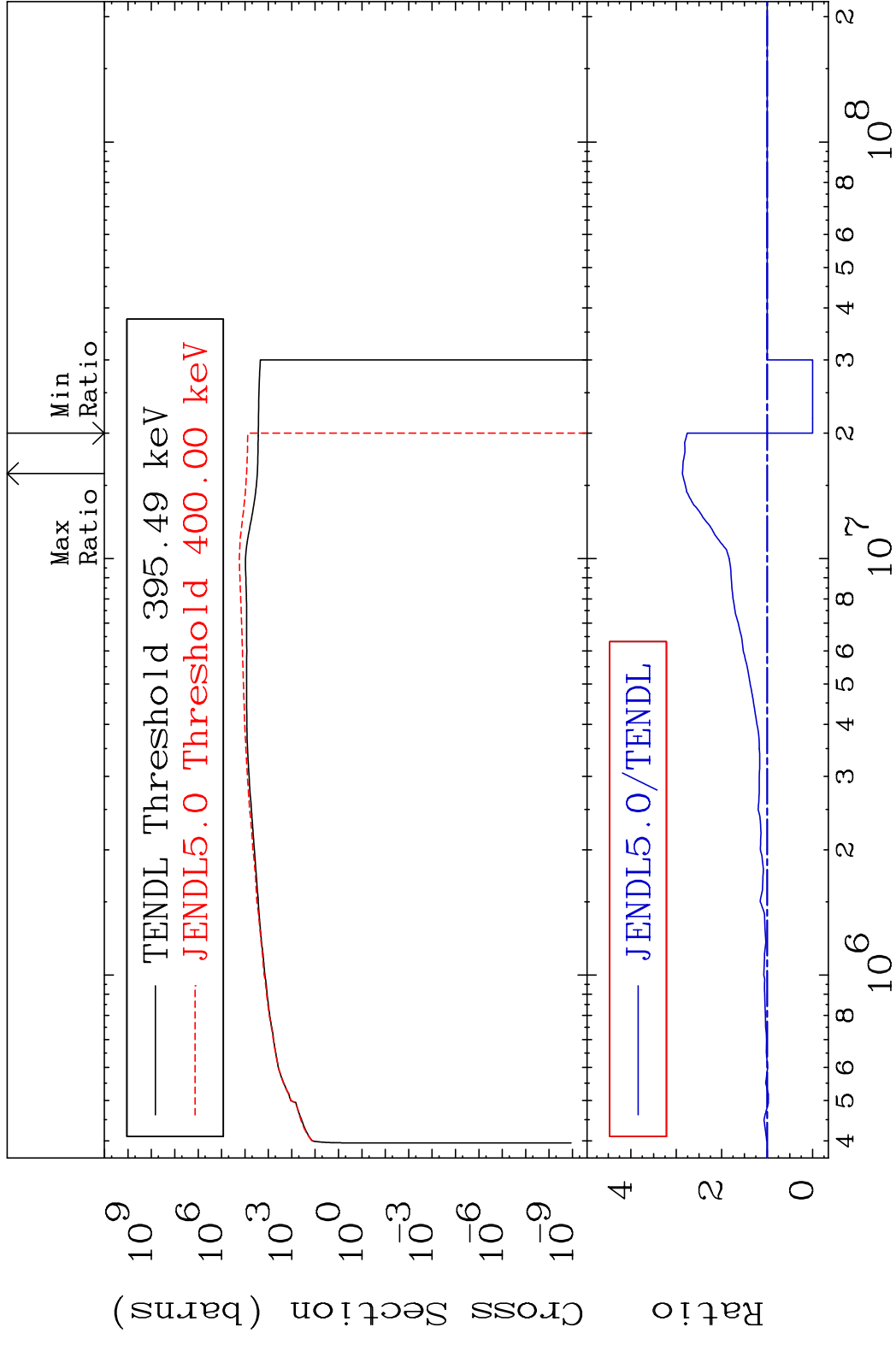


57

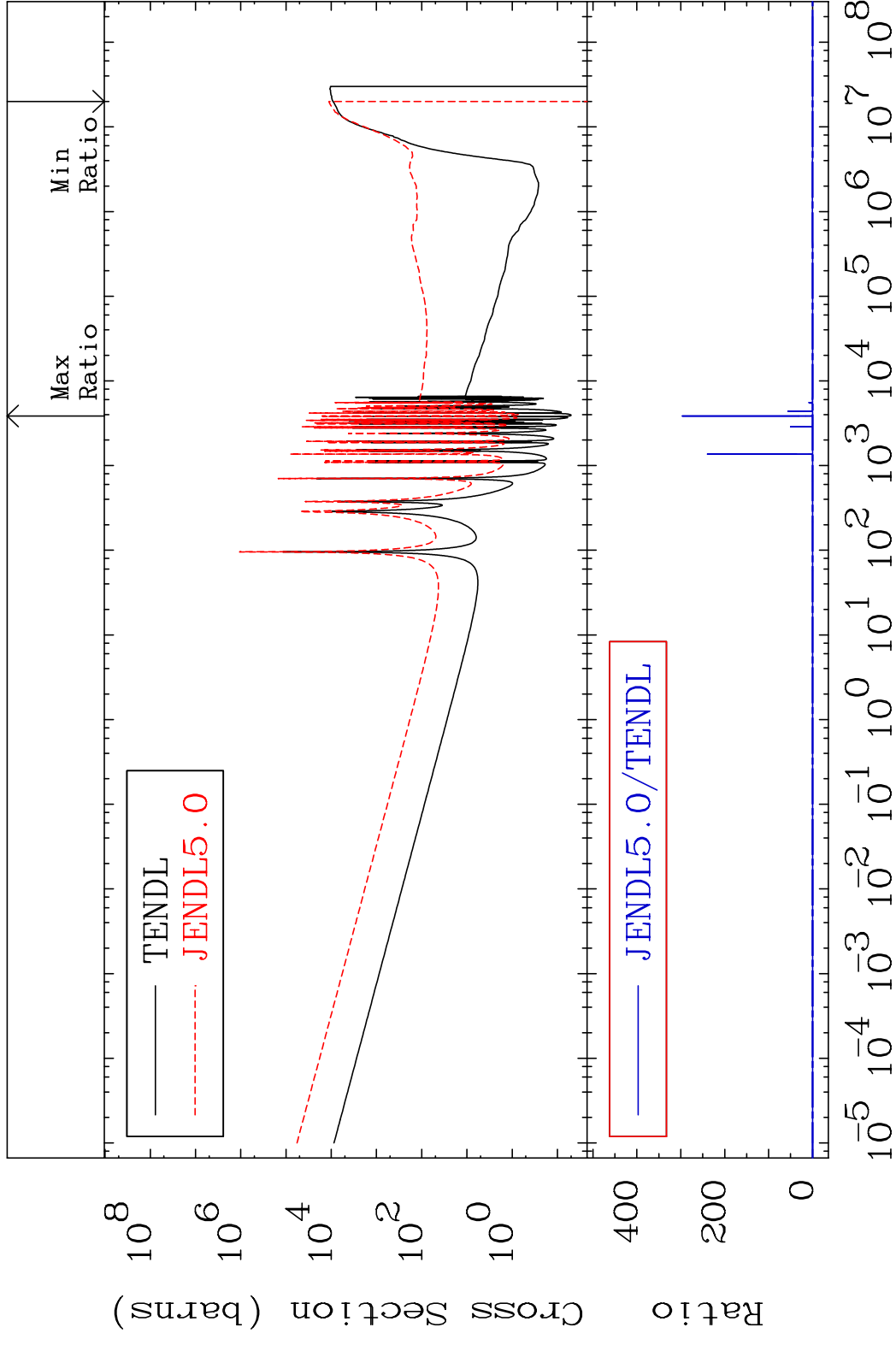
Incident Energy (eV)

31-Ga-71

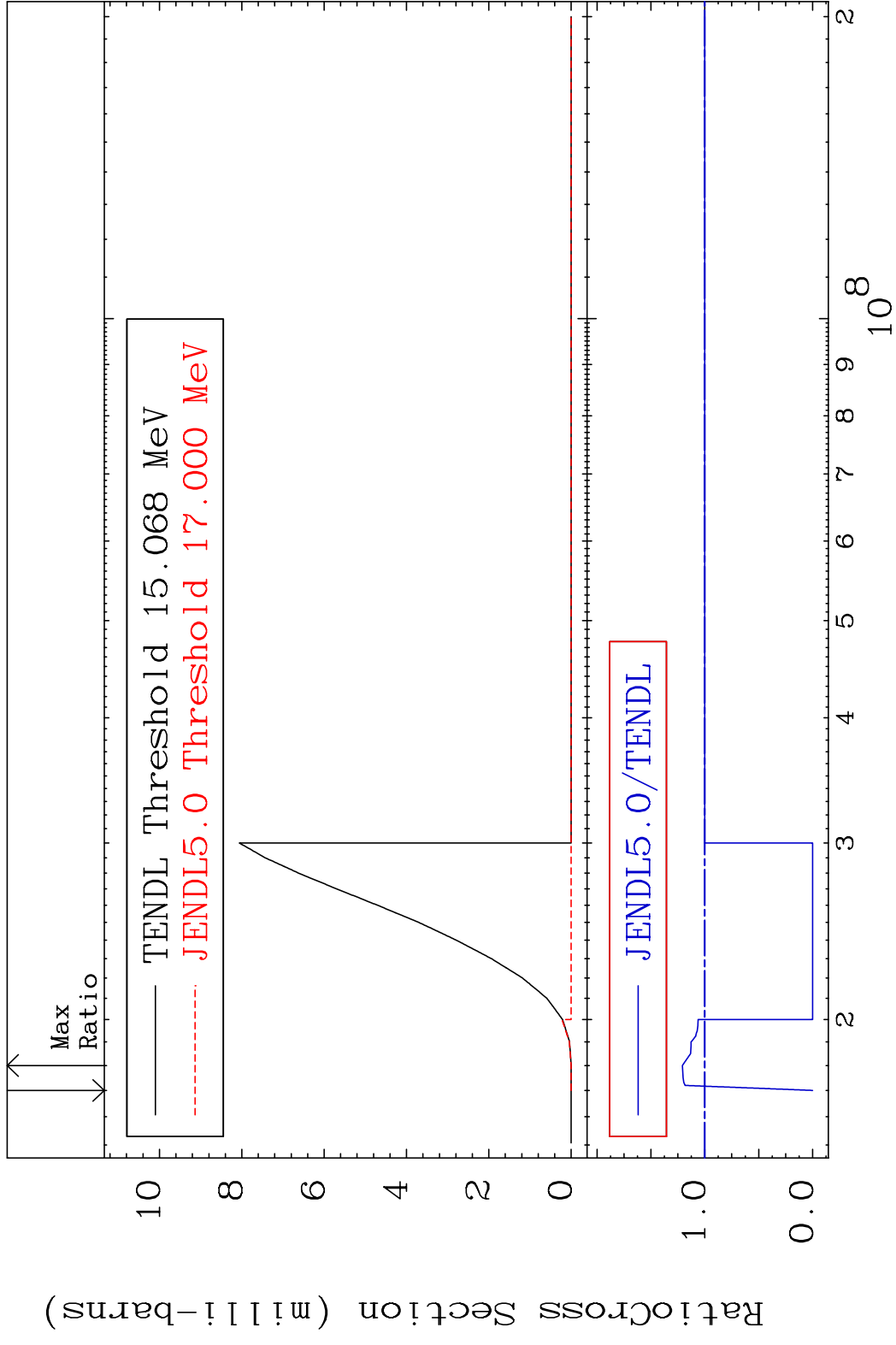
MAT 3131 Dpa inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 186.7 %



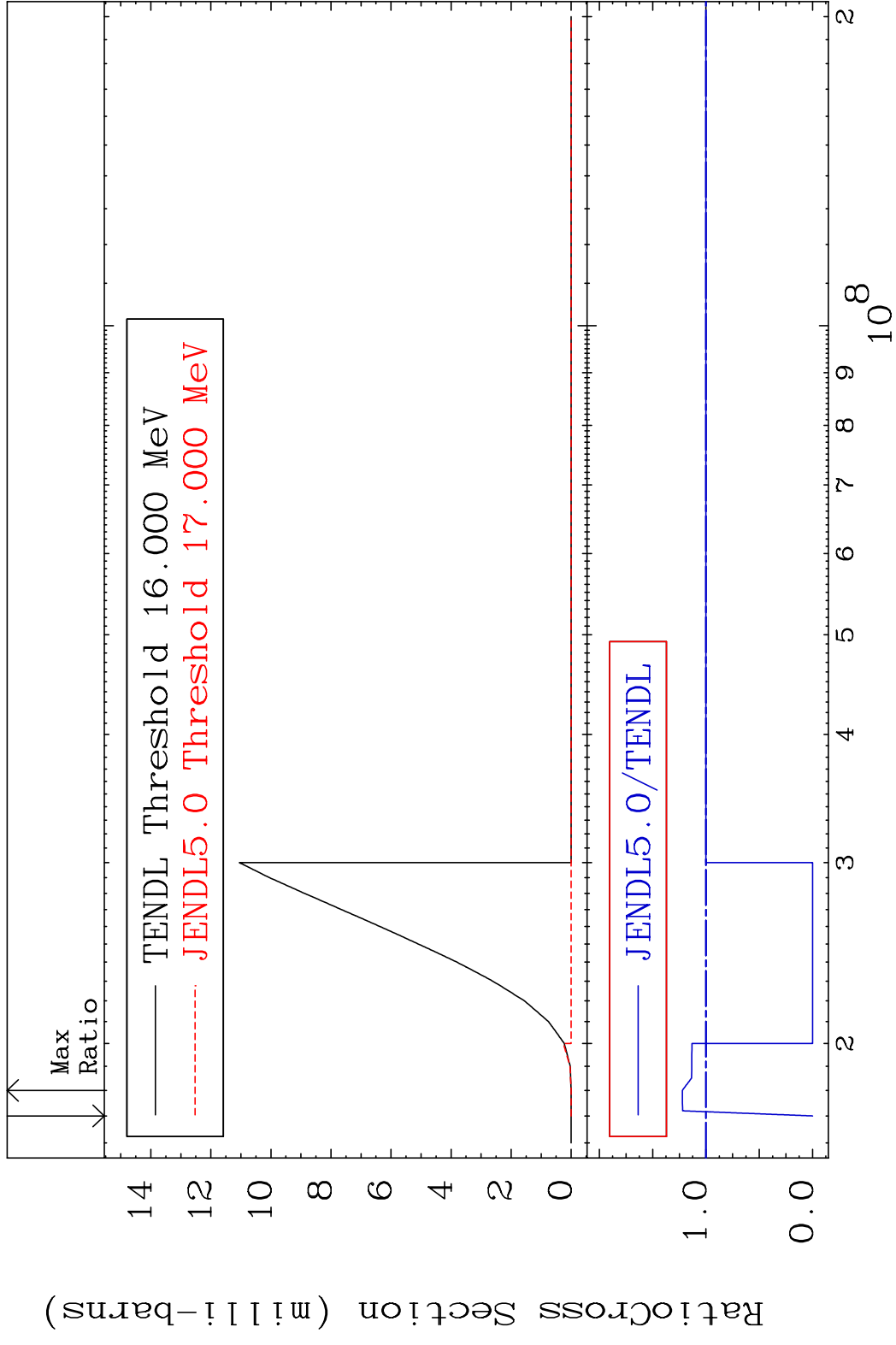
MAT 3131 Dpa disappearance (mt102 -120) 31-Ga-71
 Cross Section -100.0 To 9999. %



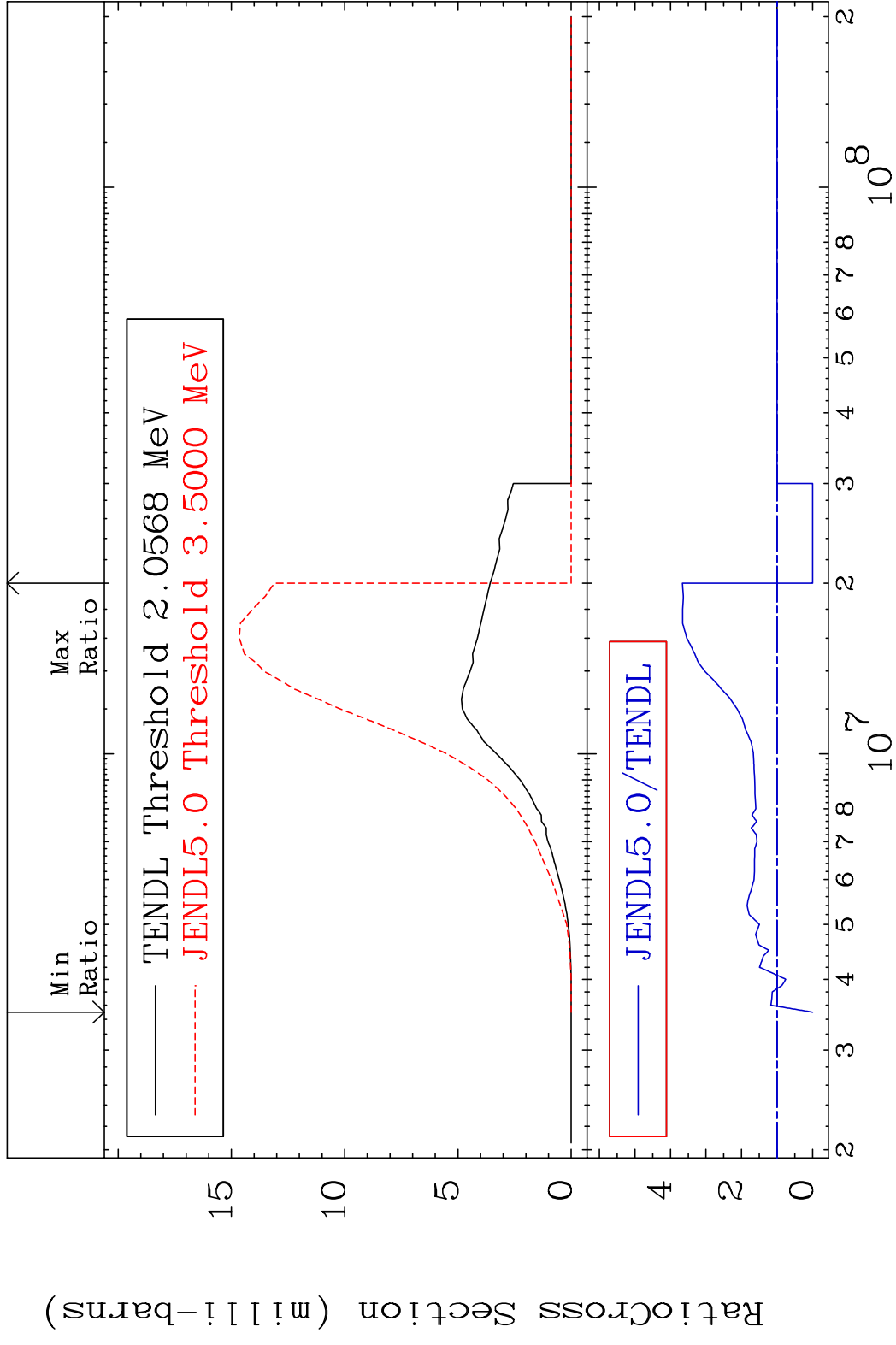
MAT 3131 (n, n') d:30-Zn-69g 31-Ga-71
 Radionuclide Production Cross Section Ratio 20.86 %



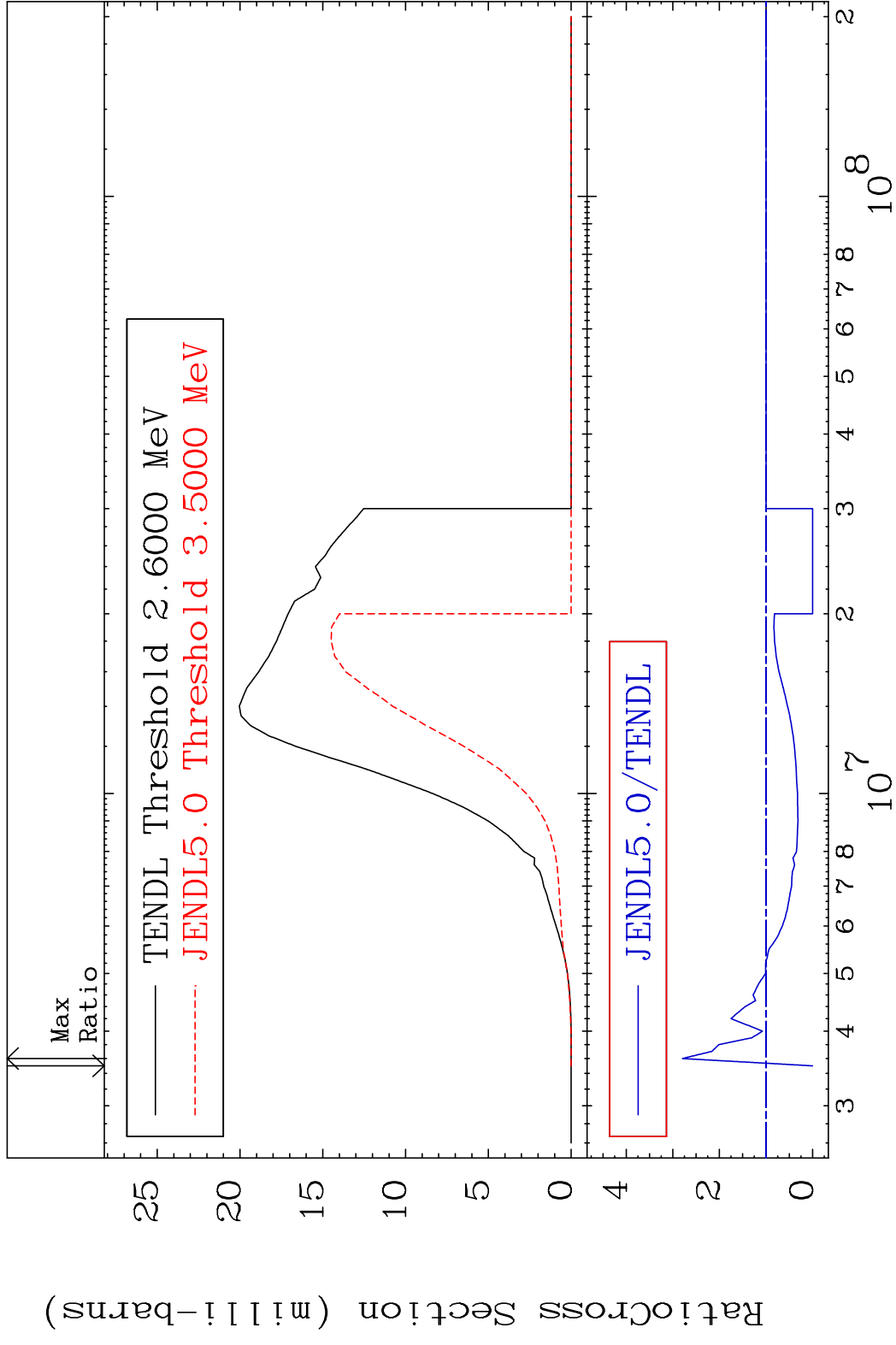
MAT 3131 (n, n') d:30-Zn-69m1 31-Ga-71
 Radionuclide Production Cross Section 180.0 dth 22.15 %



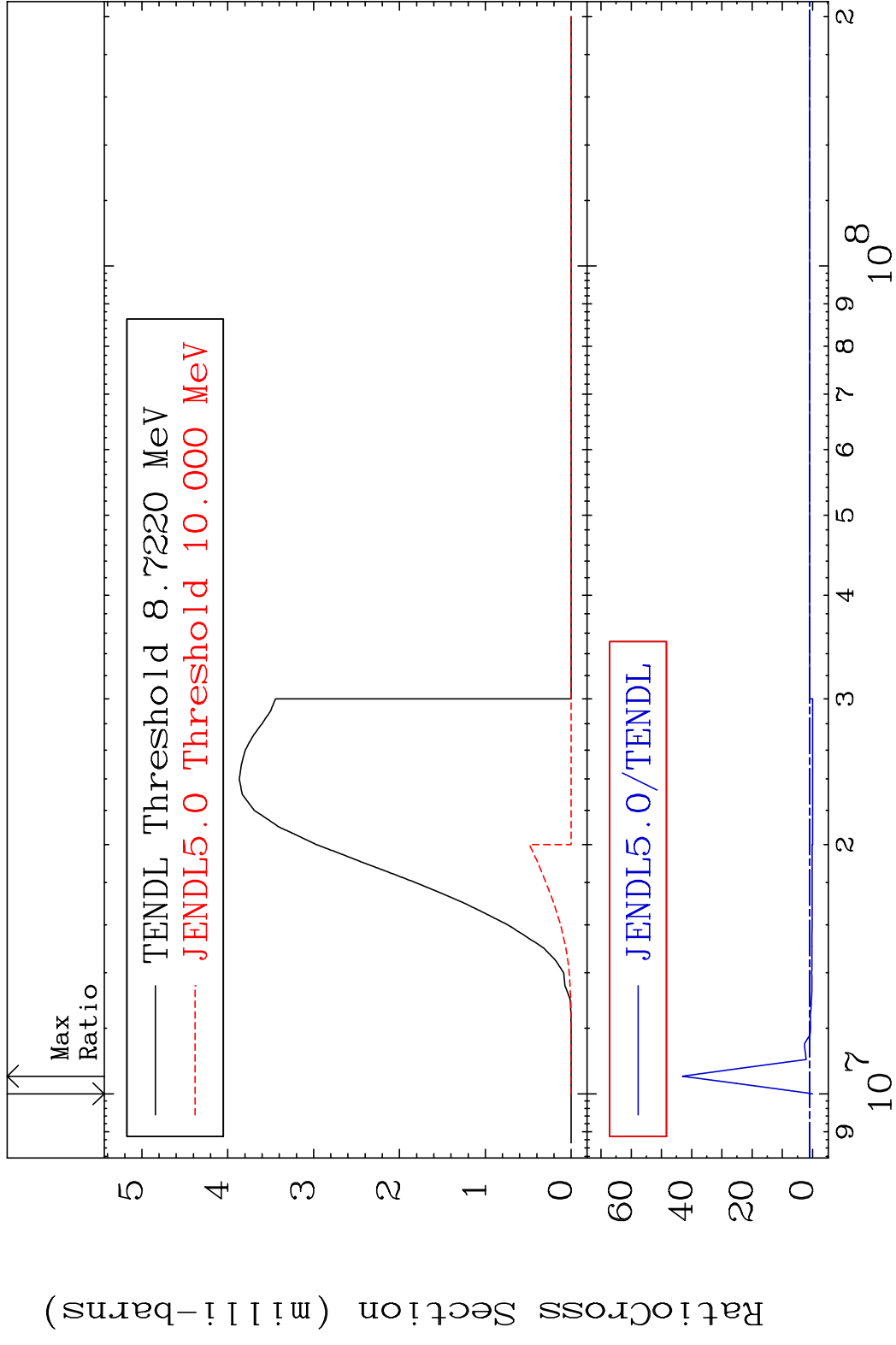
MAT 3131 (n, p):30-Zn-71g 31-Ga-71
 Radionuclide Production Cross Section 180.0 dth 266.5 %



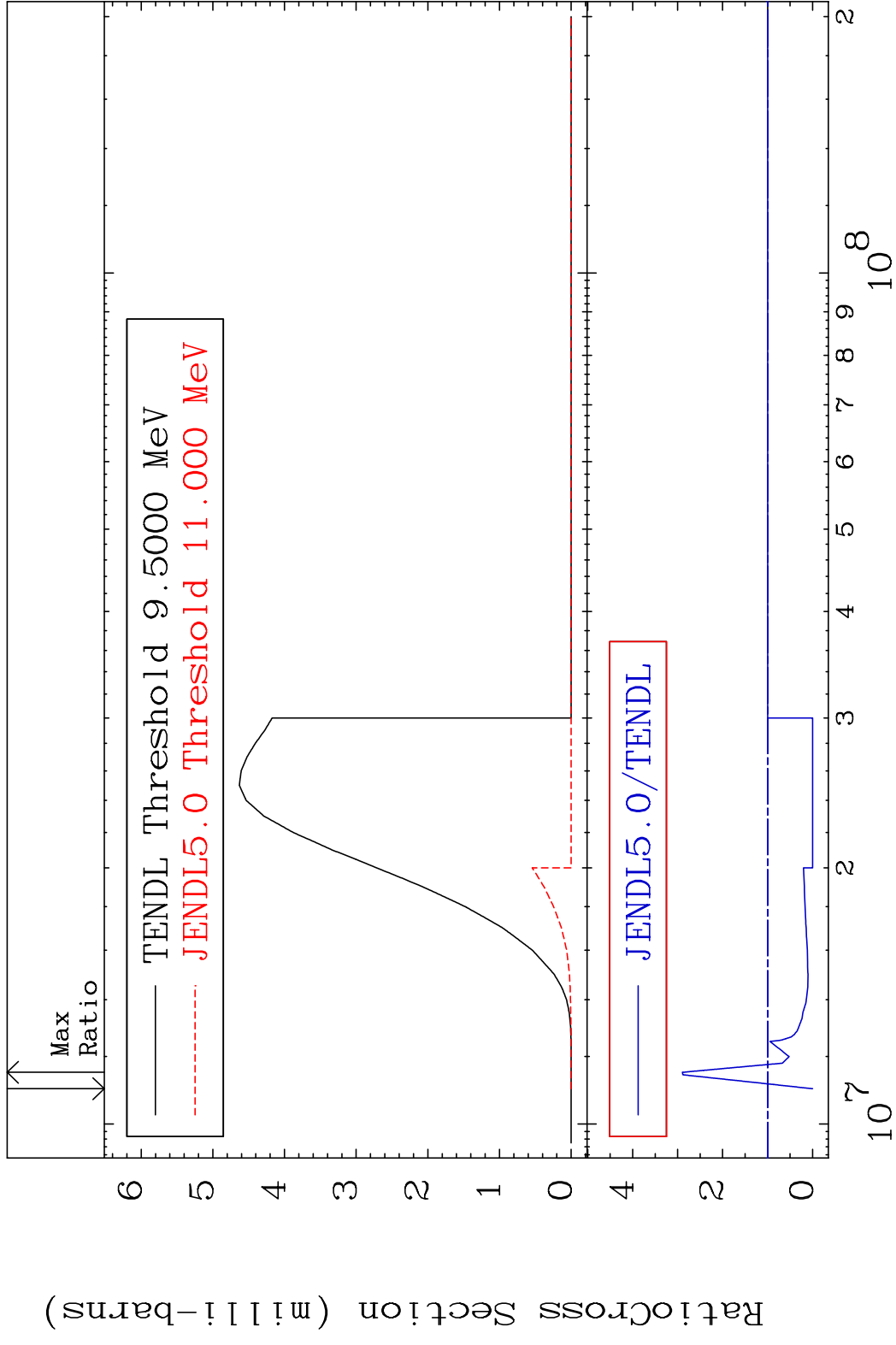
MAT 3131 (n,p):30-Zn-71m1 31-Ga-71
 Radionuclide Production Cross Section 180.0 dth 179.5 %



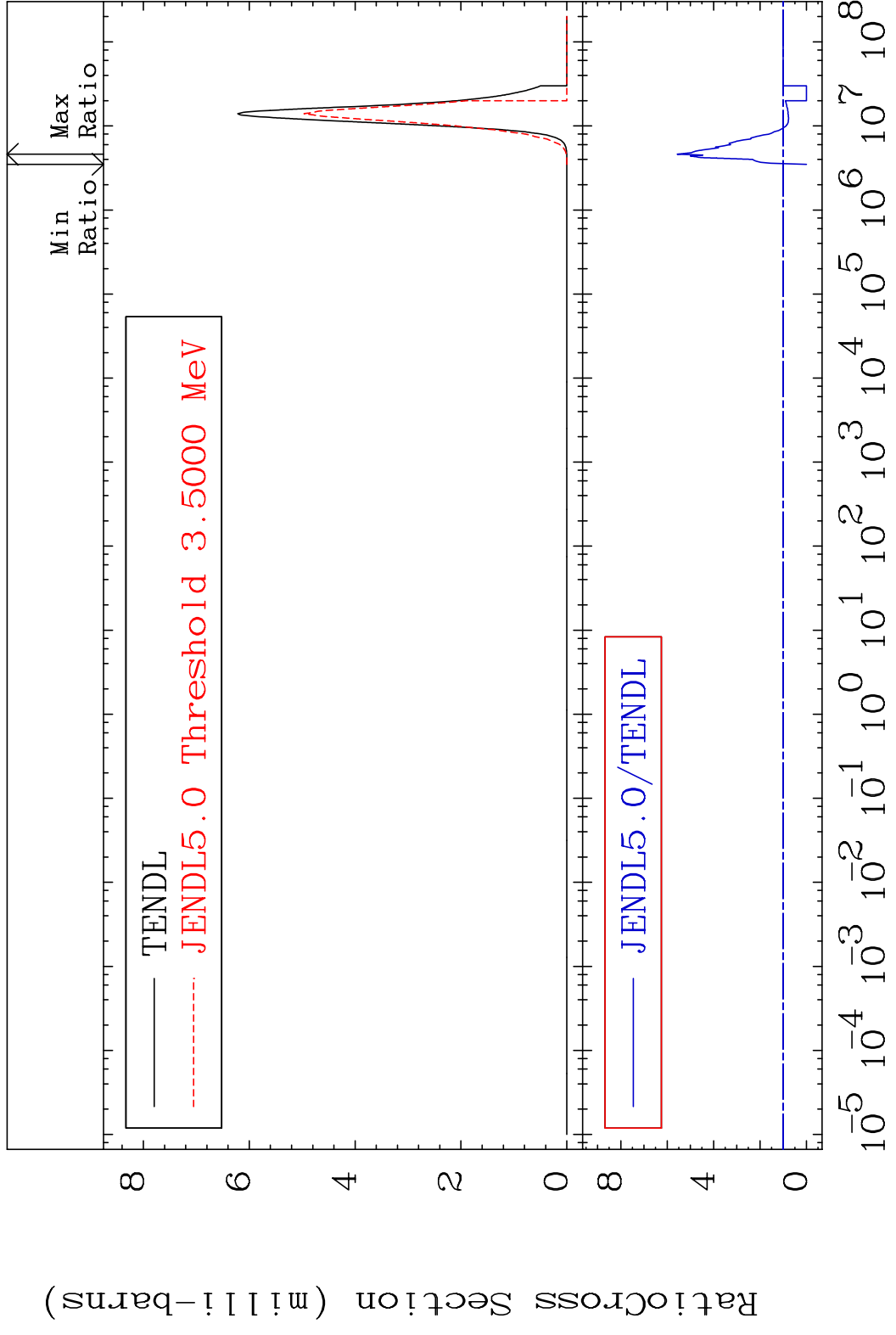
MAT 3131 (n, t):30-Zn-69g 31-Ga-71
 Radionuclide Production Cross Section 4208. %



MAT 3131 (n, t):30-Zn-69m1 31-Ga-71
 Radionuclide Production Cross Section 189.5 %



MAT 3131 (n, α): 29-Cu-68g 31-Ga-71
 Radionuclide Production Cross Section 180.0 dth 456.8 %

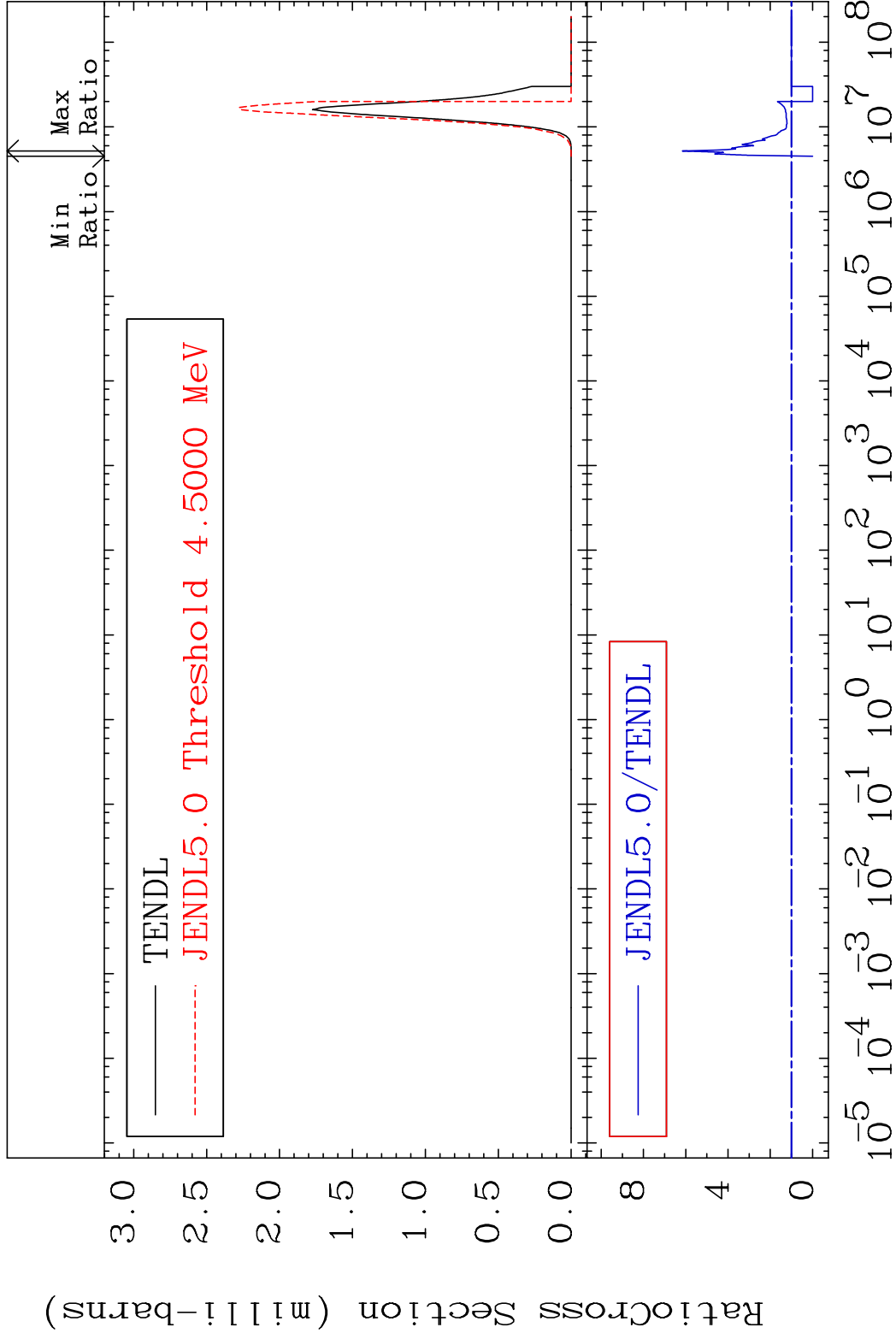


MAT 3131

(n, α): 29-Cu-68m3

31-Ga-71

Radionuclide Production Cross Section Ratio 515.9 %

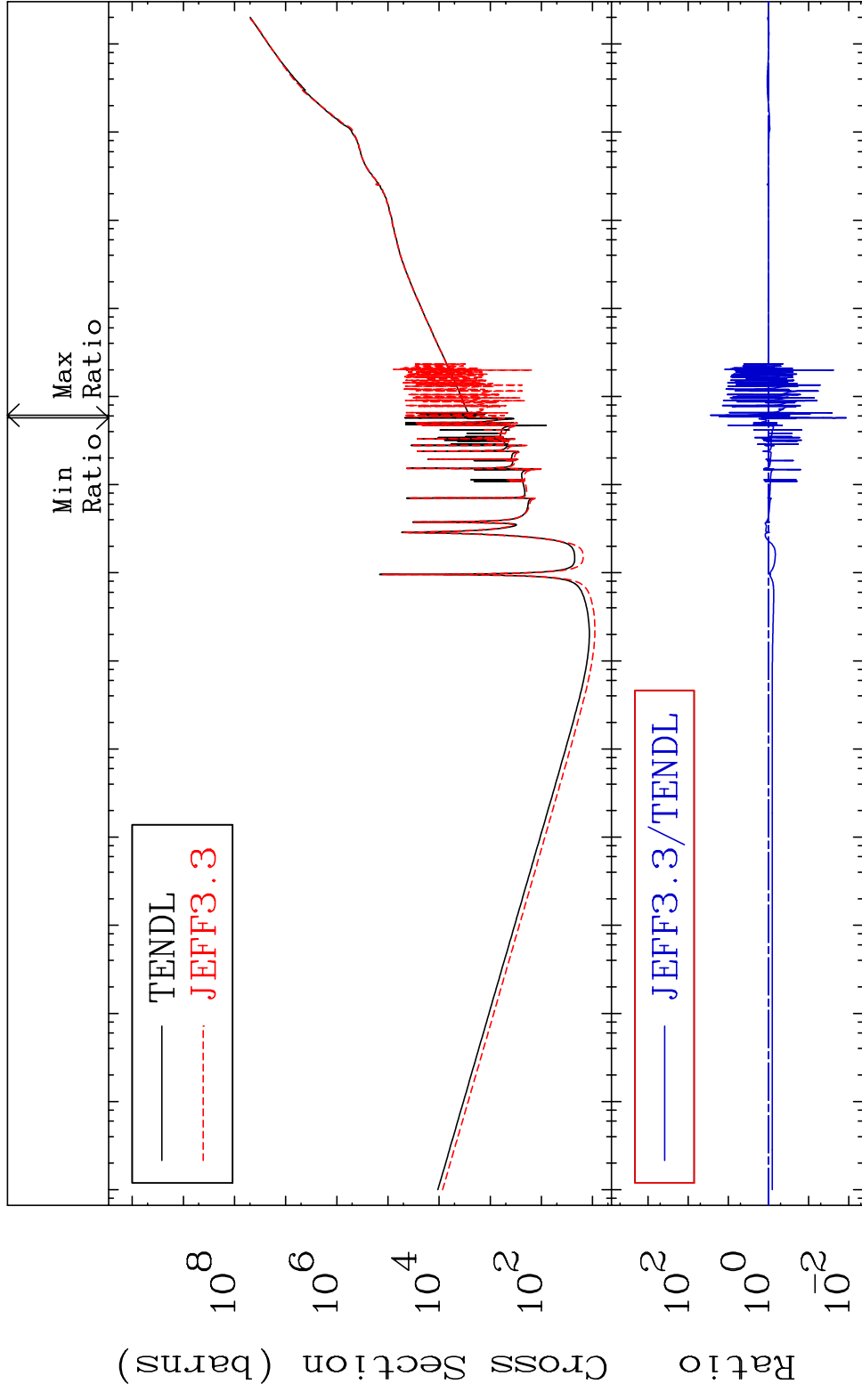


67

Incident Energy (eV)

31-Ga-71

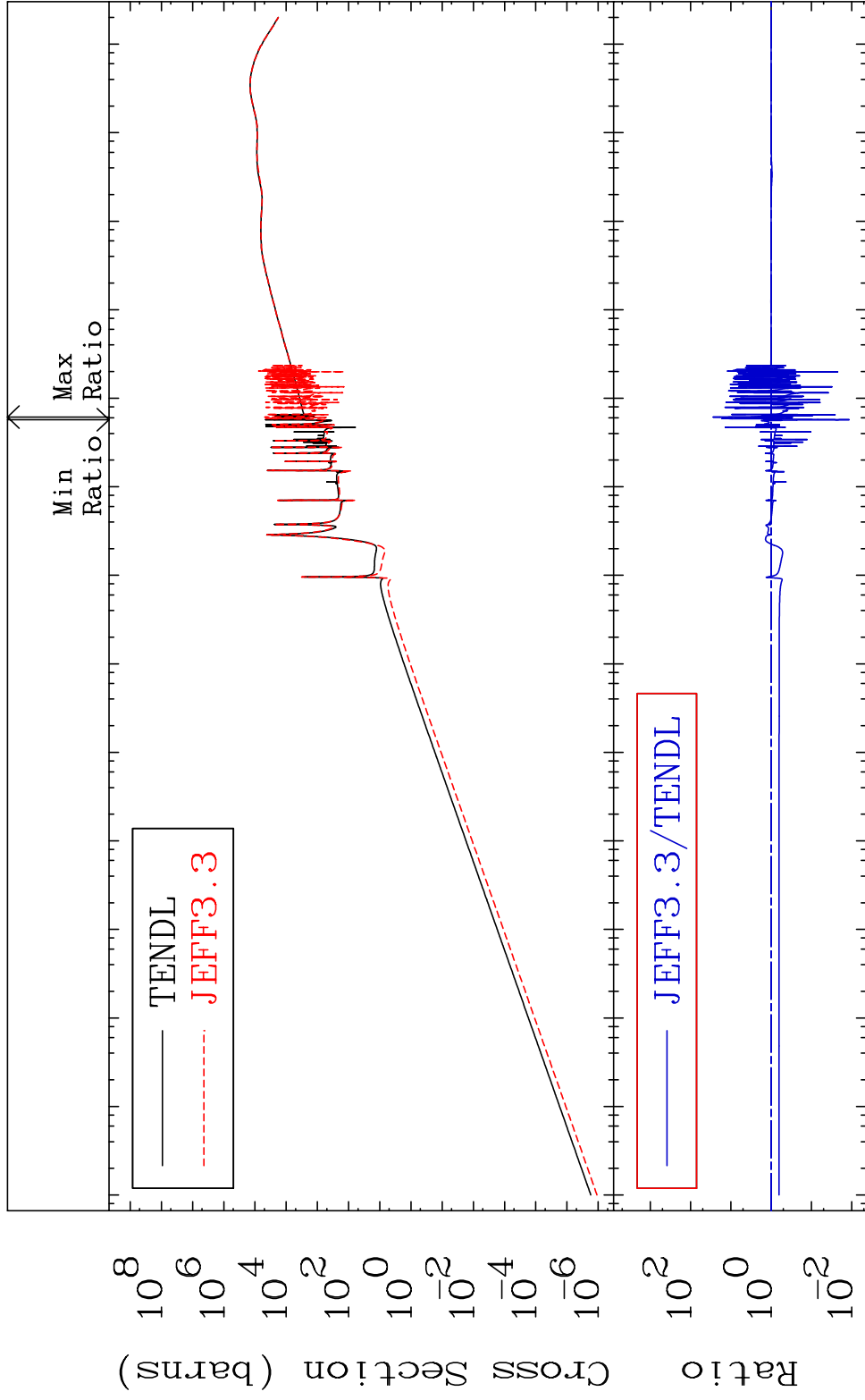
MAT 3131 Kerma total (eV-barns) 31-Ga-71
 Cross Section -98.85 To 2654. %



MAT 3131

Kerma elastic
Cross Section -98.85 To 2649. %

31-Ga-71

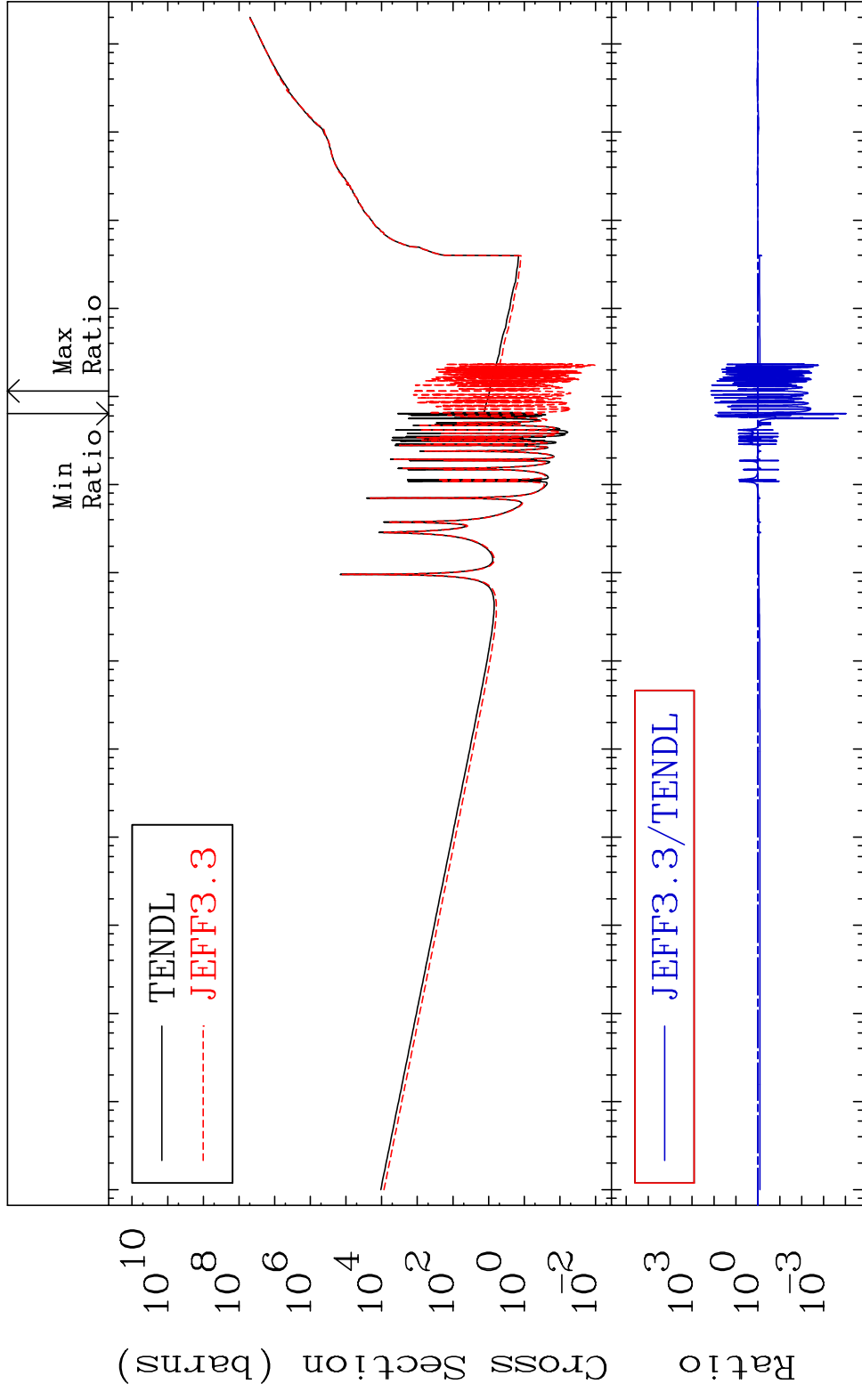


69

Incident Energy (eV)

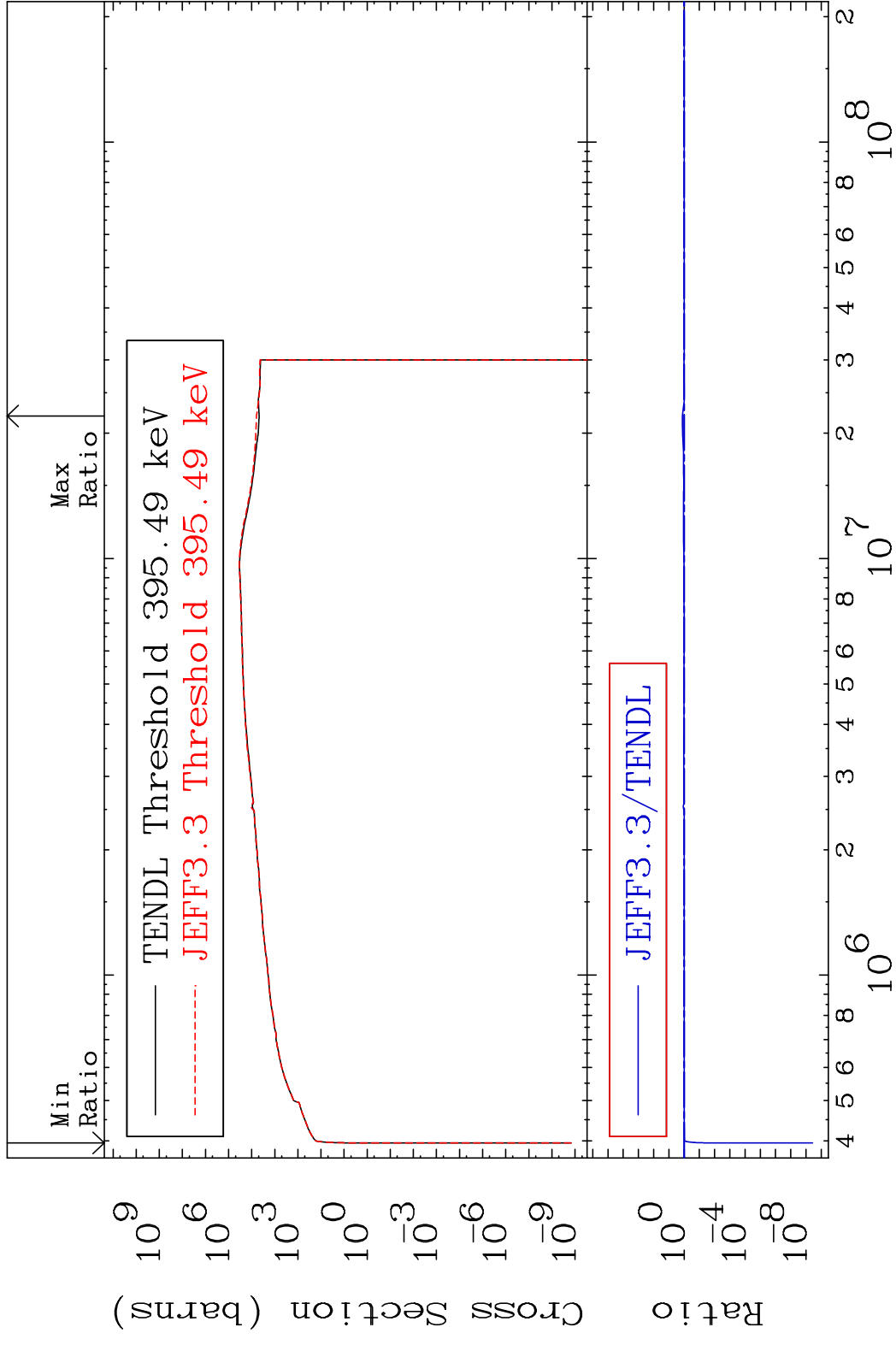
31-Ga-71

MAT 3131 Kerma non-elastic (all but mt2) 31-Ga-71
 Cross Section -99.99 To 9999. %

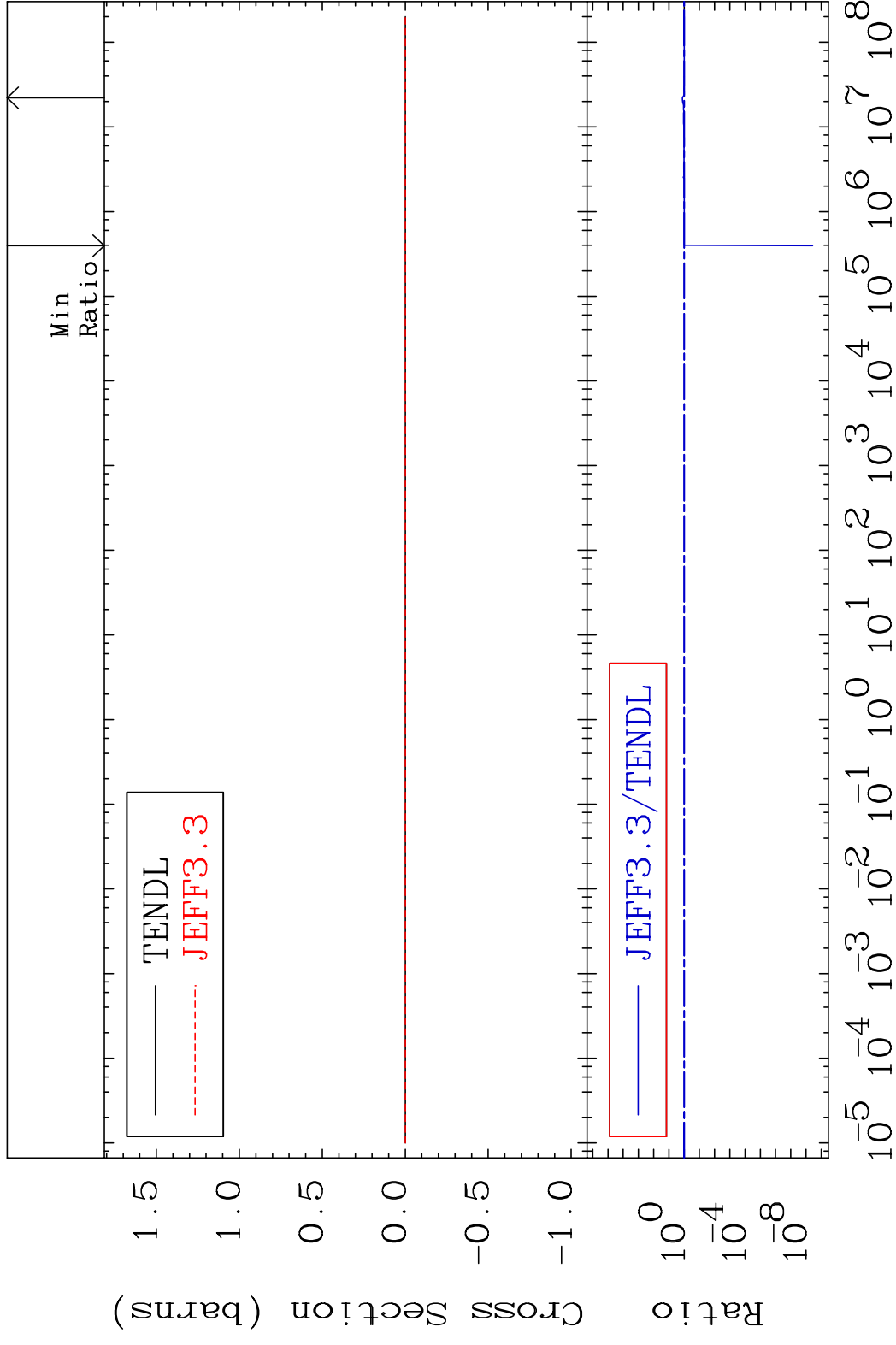


70 Incident Energy (eV) 31-Ga-71

MAT 3131 Kerma inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 30.95 %



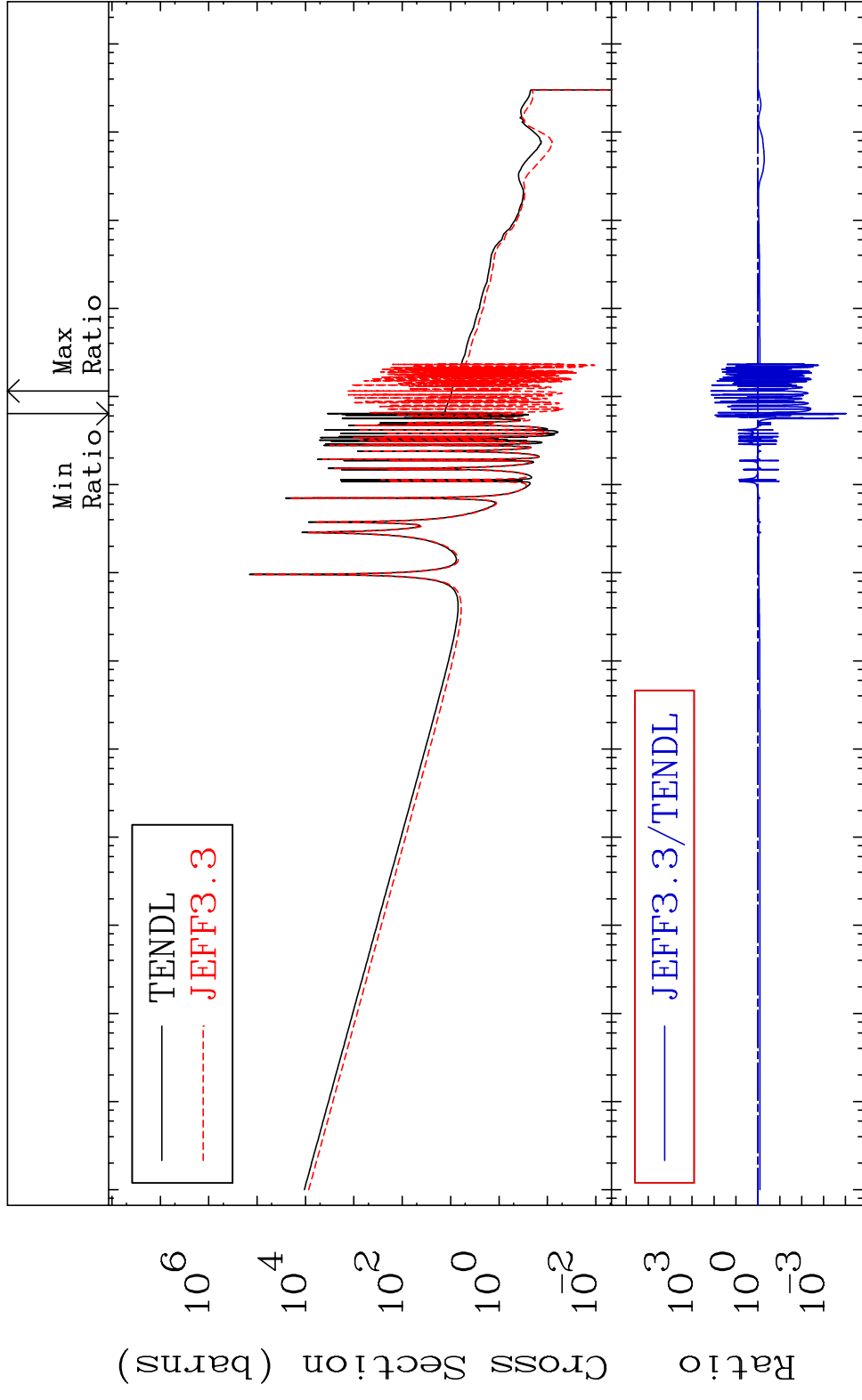
MAT 3131 Kerma fission (mt18 or mt19-20-21-38) 31-Ga-71
 Cross Section -100.0 To 30.95 %



MAT 3131

Kerma capture (mt102) 31-Ga-71

Cross Section -99.99 To 9999. %



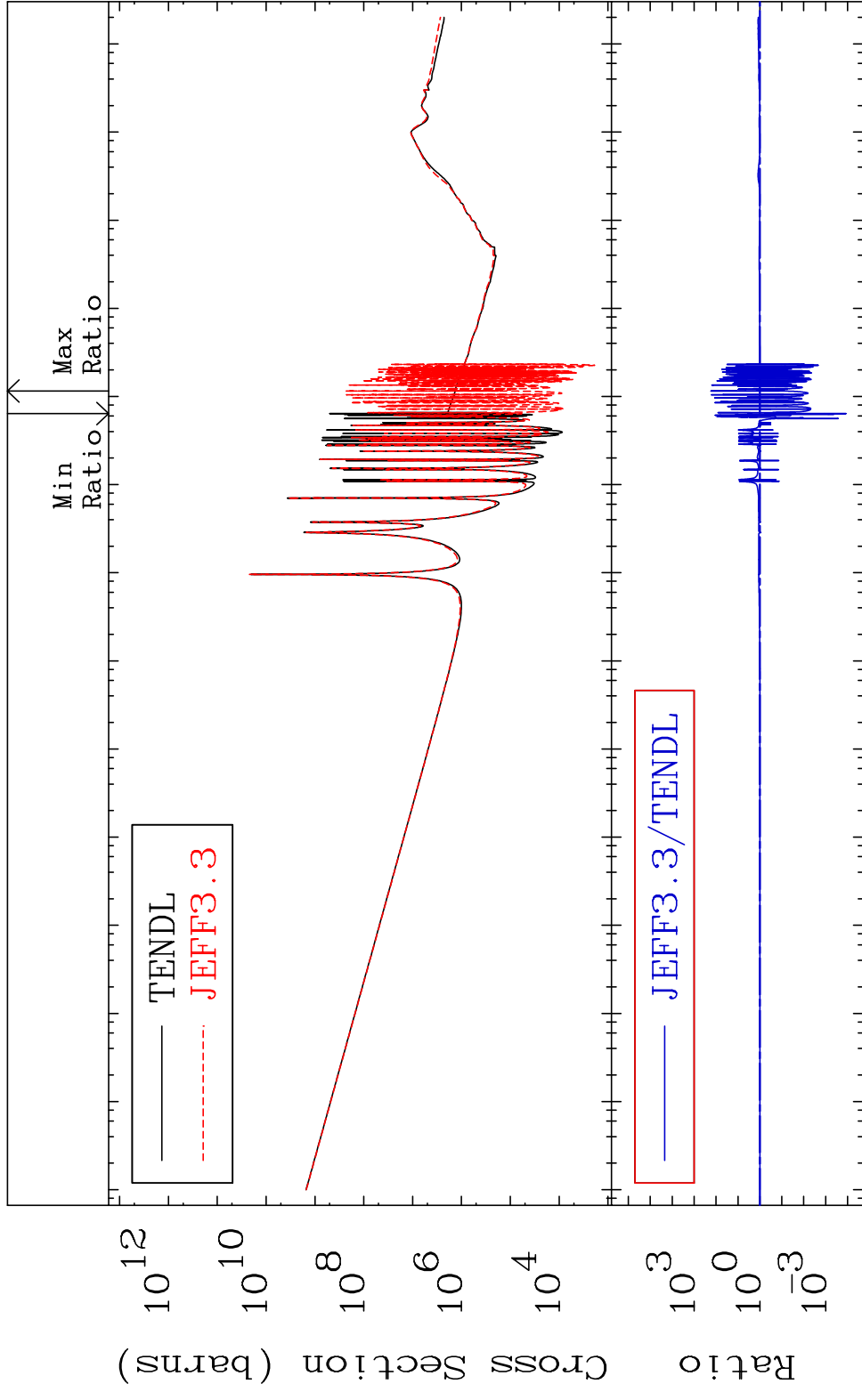
Ratio
10⁶
10⁴
10²
10⁰
10⁻²
10³
10⁰
10⁻³
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

73

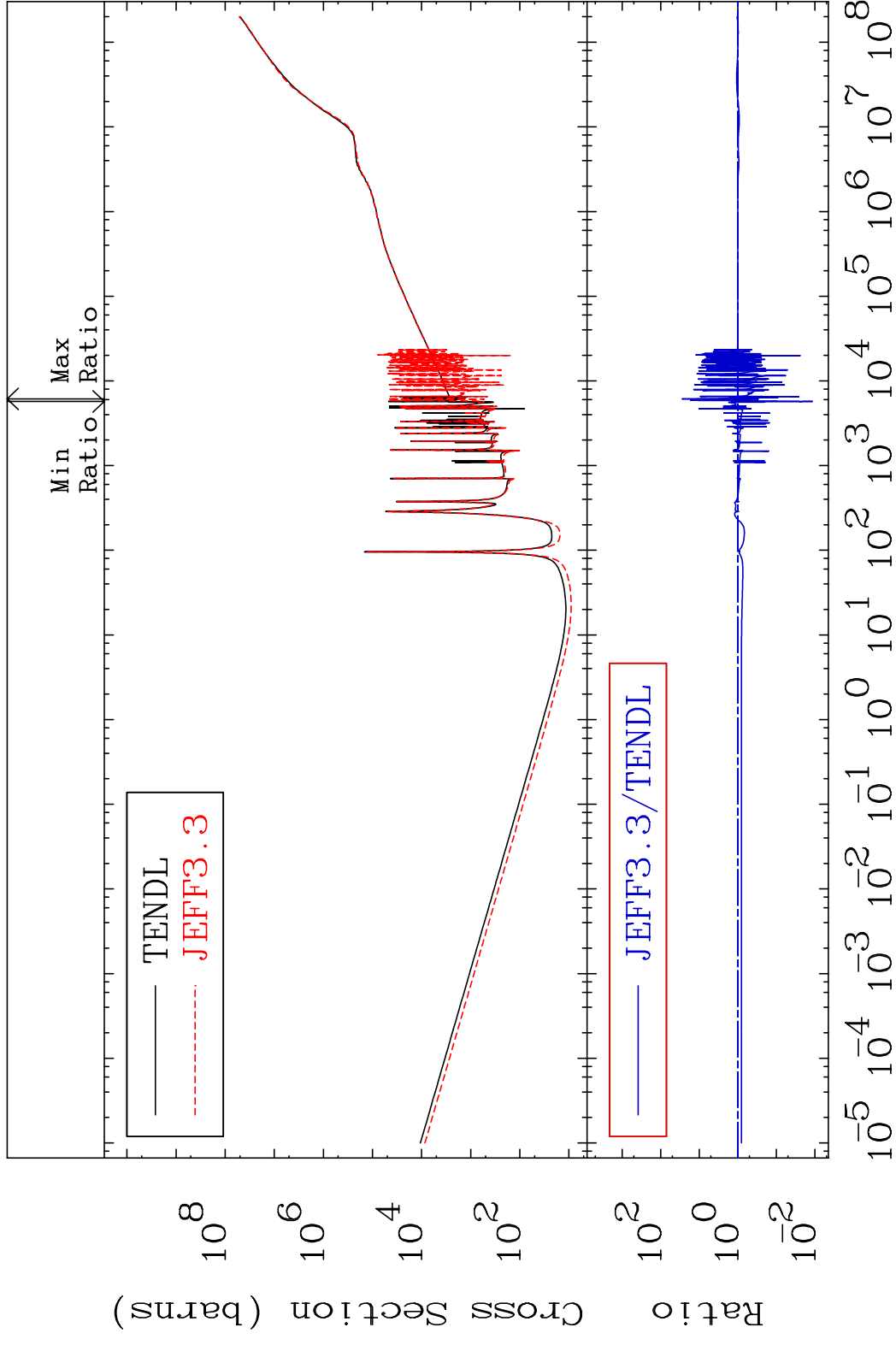
Incident Energy (eV)

31-Ga-71

MAT 3131 Total photon (eV-barns) 31-Ga-71
 Cross Section -99.99 To 9999. %



MAT 3131 Total kinematic kerma (high limit) 31-Ga-71
 Cross Section -98.85 To 2654. %

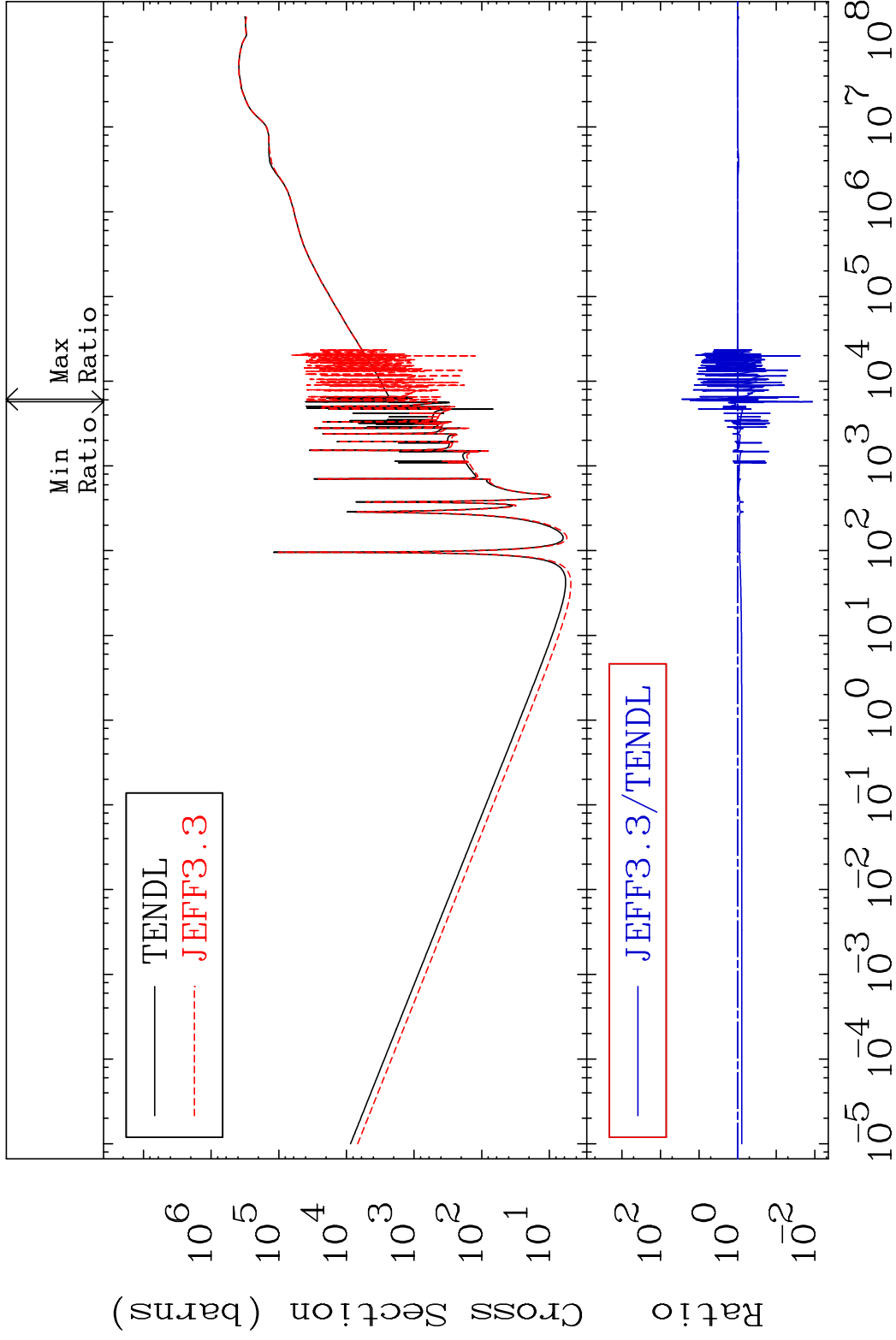


MAT 3131

Dpa total (eV-barns)

31-Ga-71

Cross Section -98.85 To 2654. %



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Incident Energy (eV)

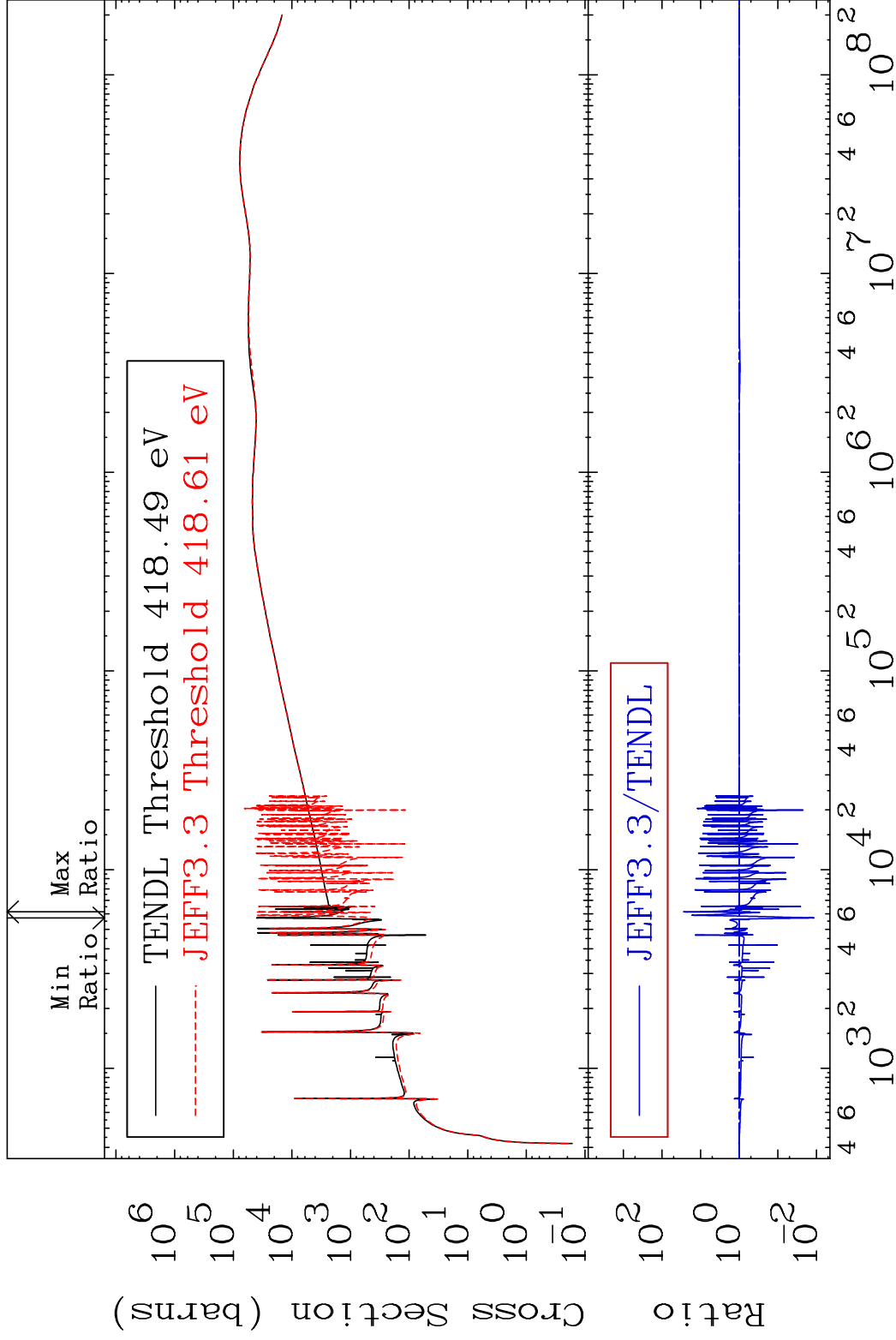
31-Ga-71

MAT 3131

Dpa elastic (mt2)

31-Ga-71

Cross Section -98.85 To 2649. %

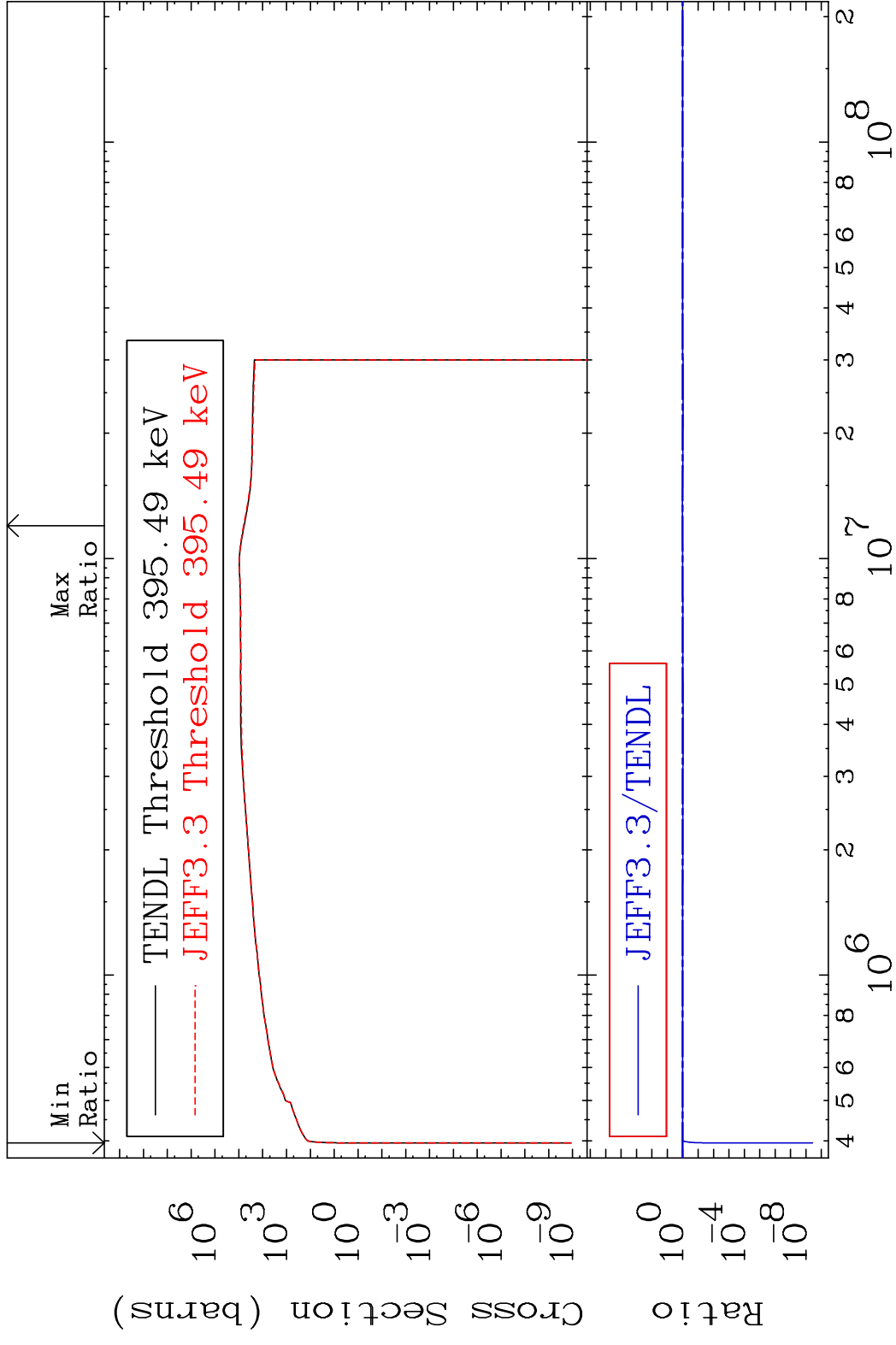


77

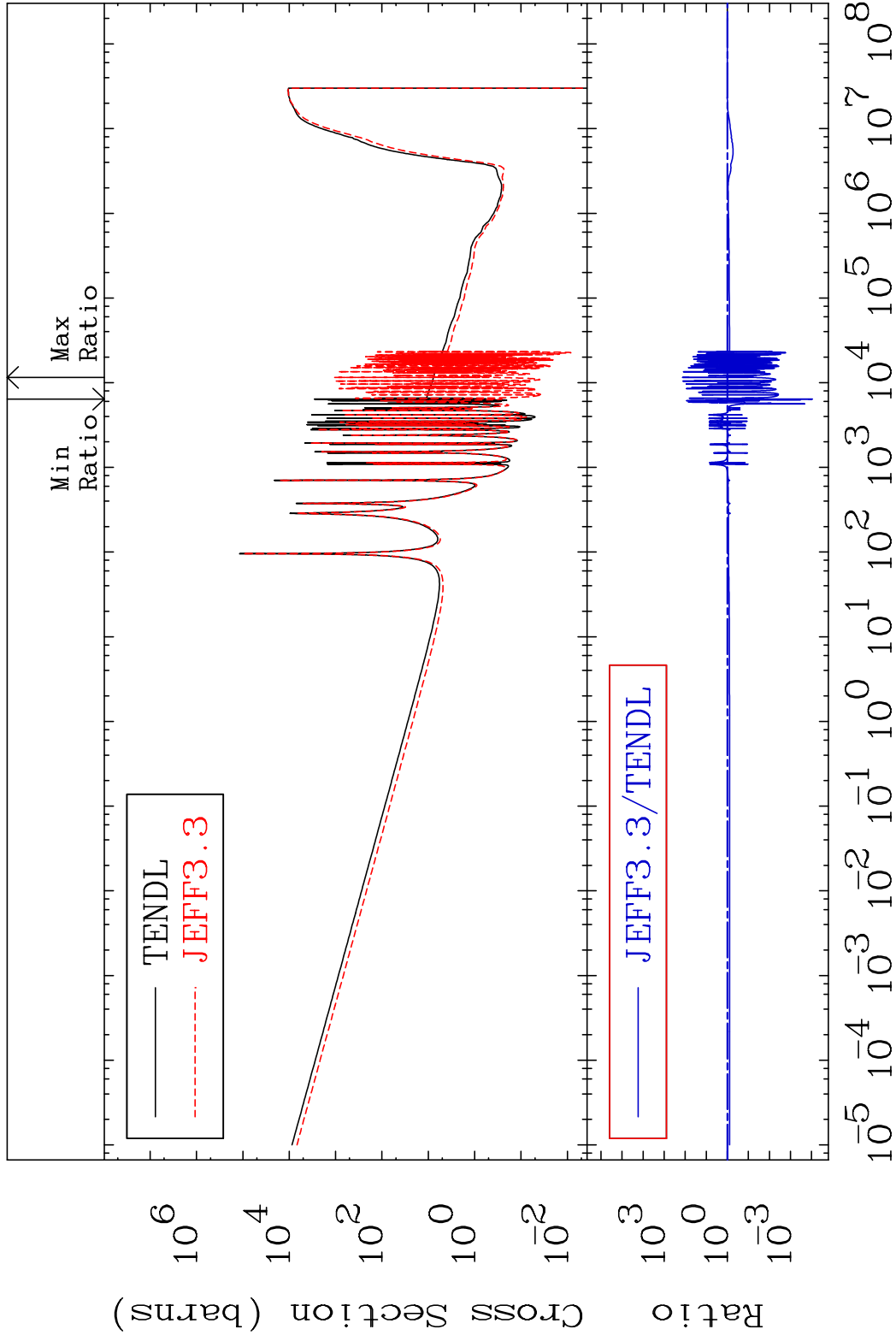
Incident Energy (eV)

31-Ga-71

MAT 3131 Dpa inelastic (mt51-91) 31-Ga-71
 Cross Section -100.0 To 5.643 %

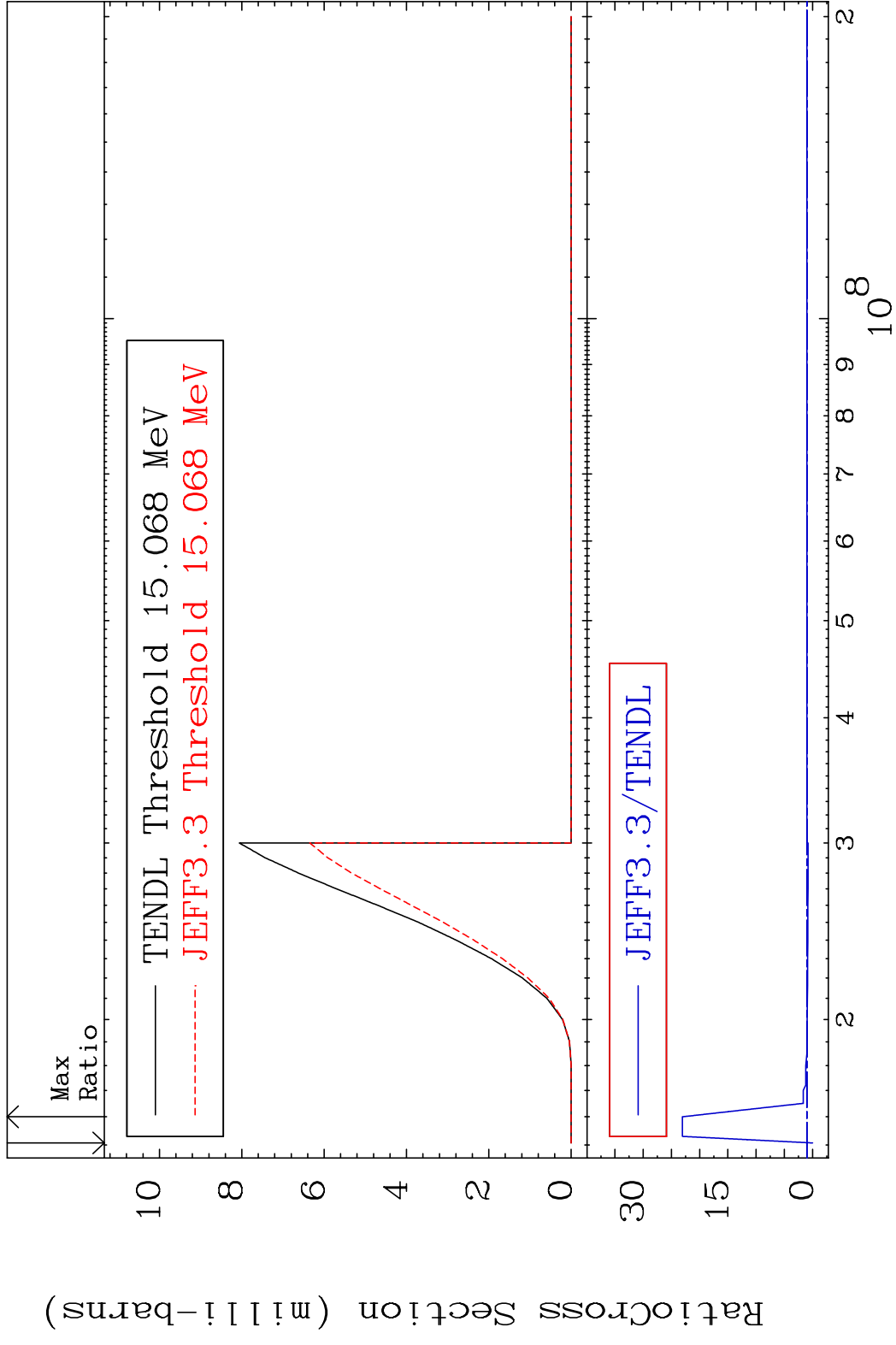


MAT 3131 Dpa disappearance (mt102 -120) 31-Ga-71
 Cross Section -99.99 To 9999. %

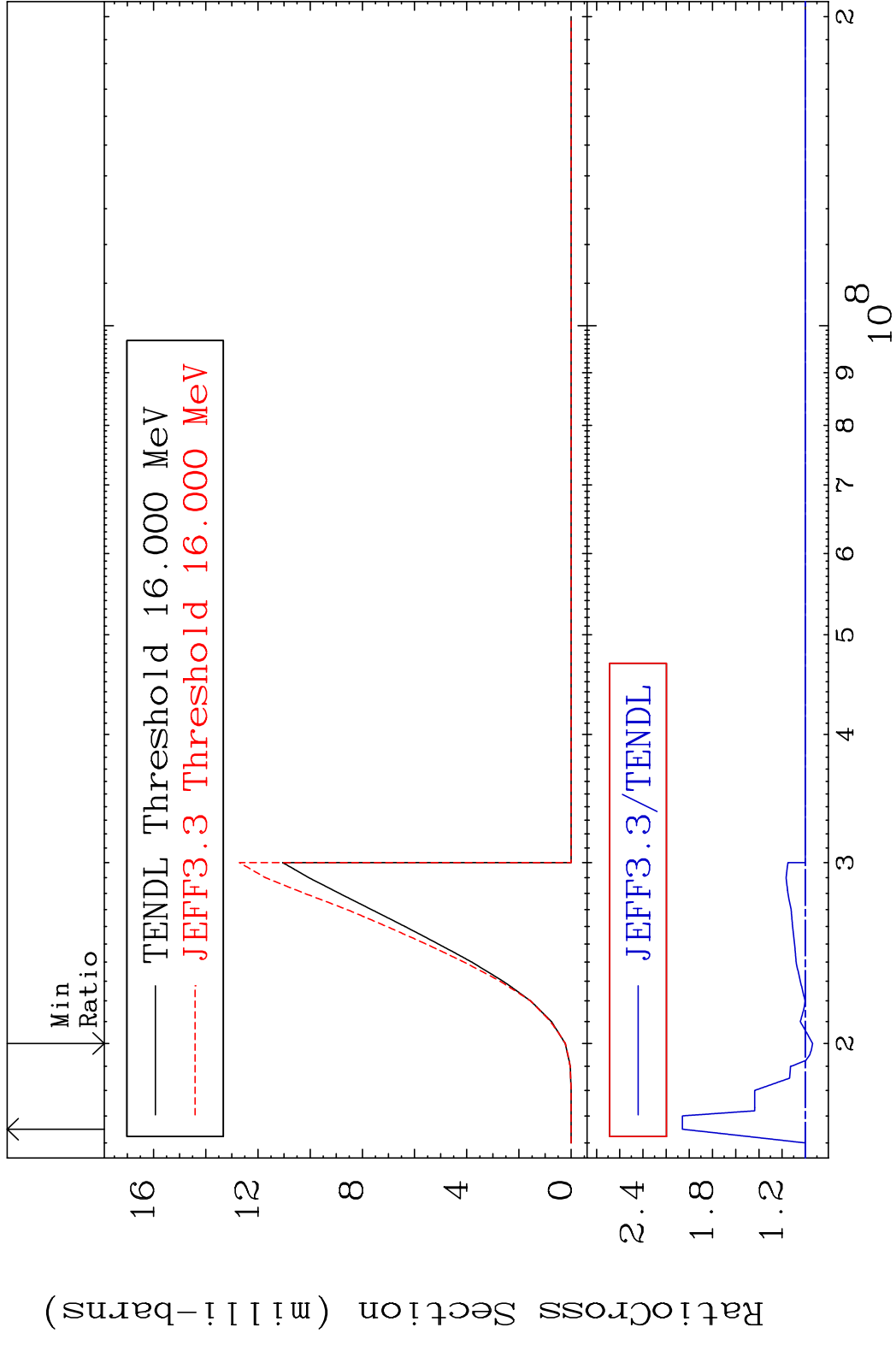


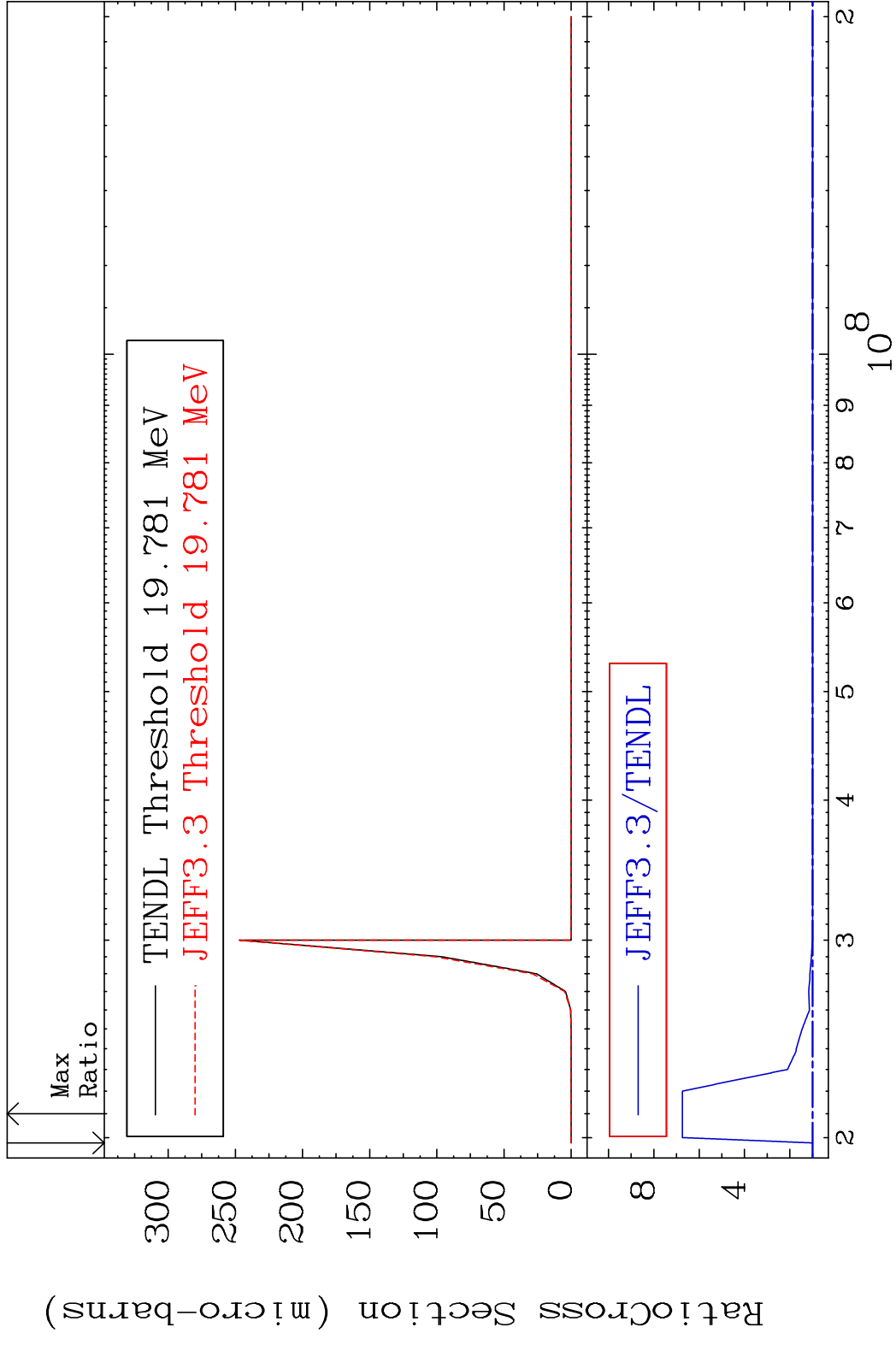
79 Incident Energy (eV) 31-Ga-71

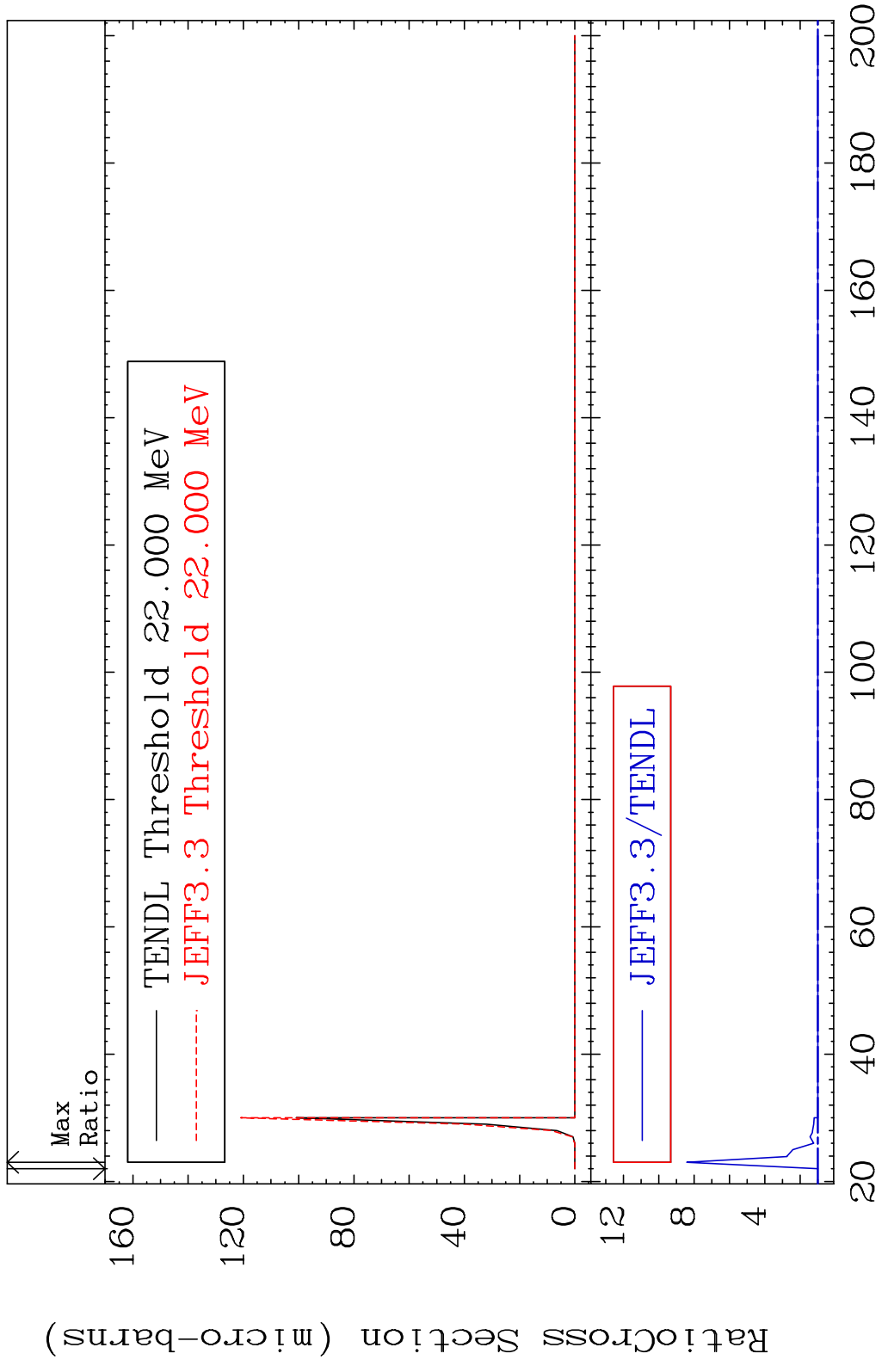
MAT 3131 (n, n') d:30-Zn-69g 31-Ga-71
 Radionuclide Production Cross Section Ratio 2207. %



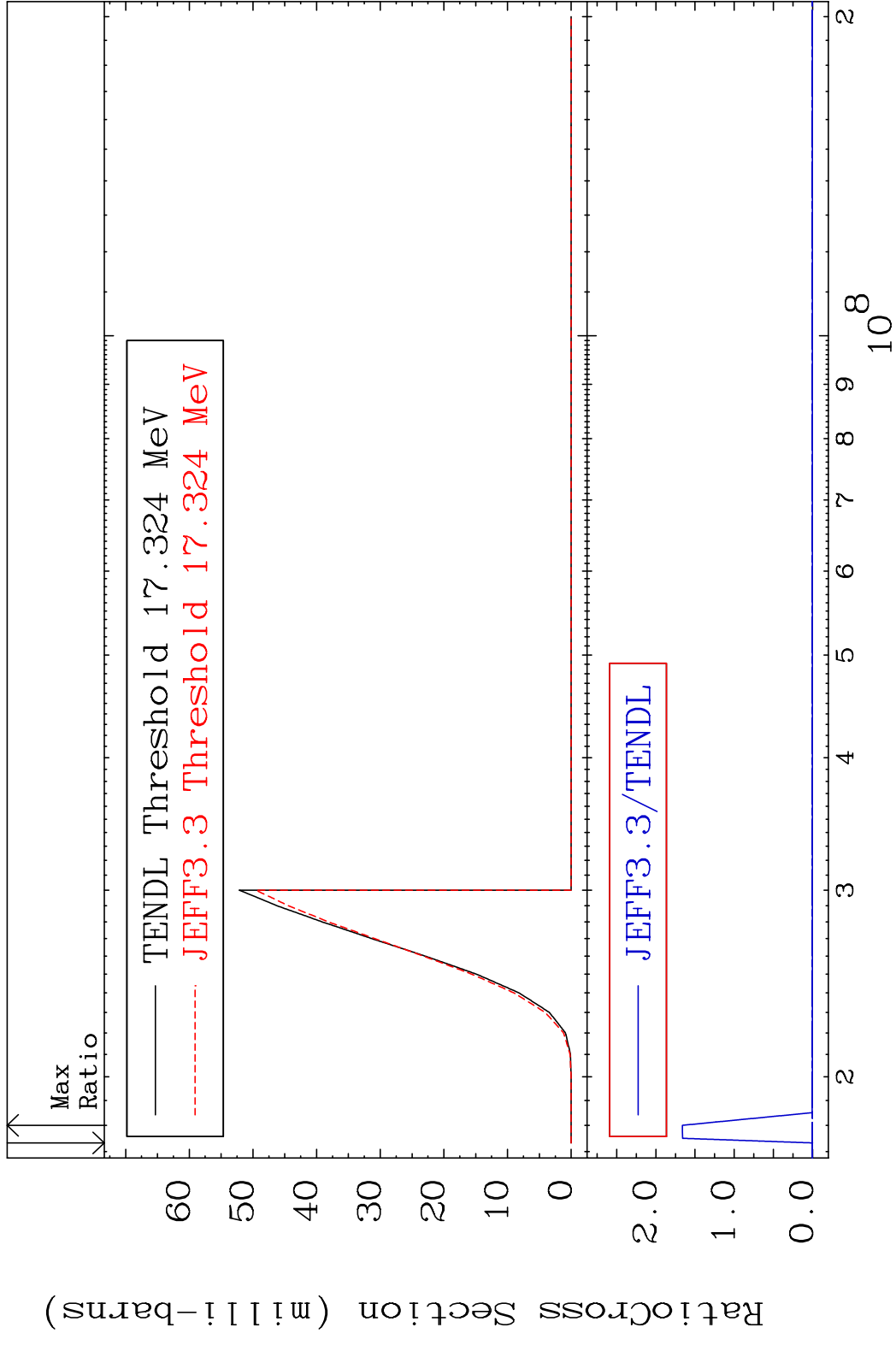
MAT 3131 (n, n') d:30-Zn-69m1 31-Ga-71
 Radionuclide Production Cross Section 106.0 %

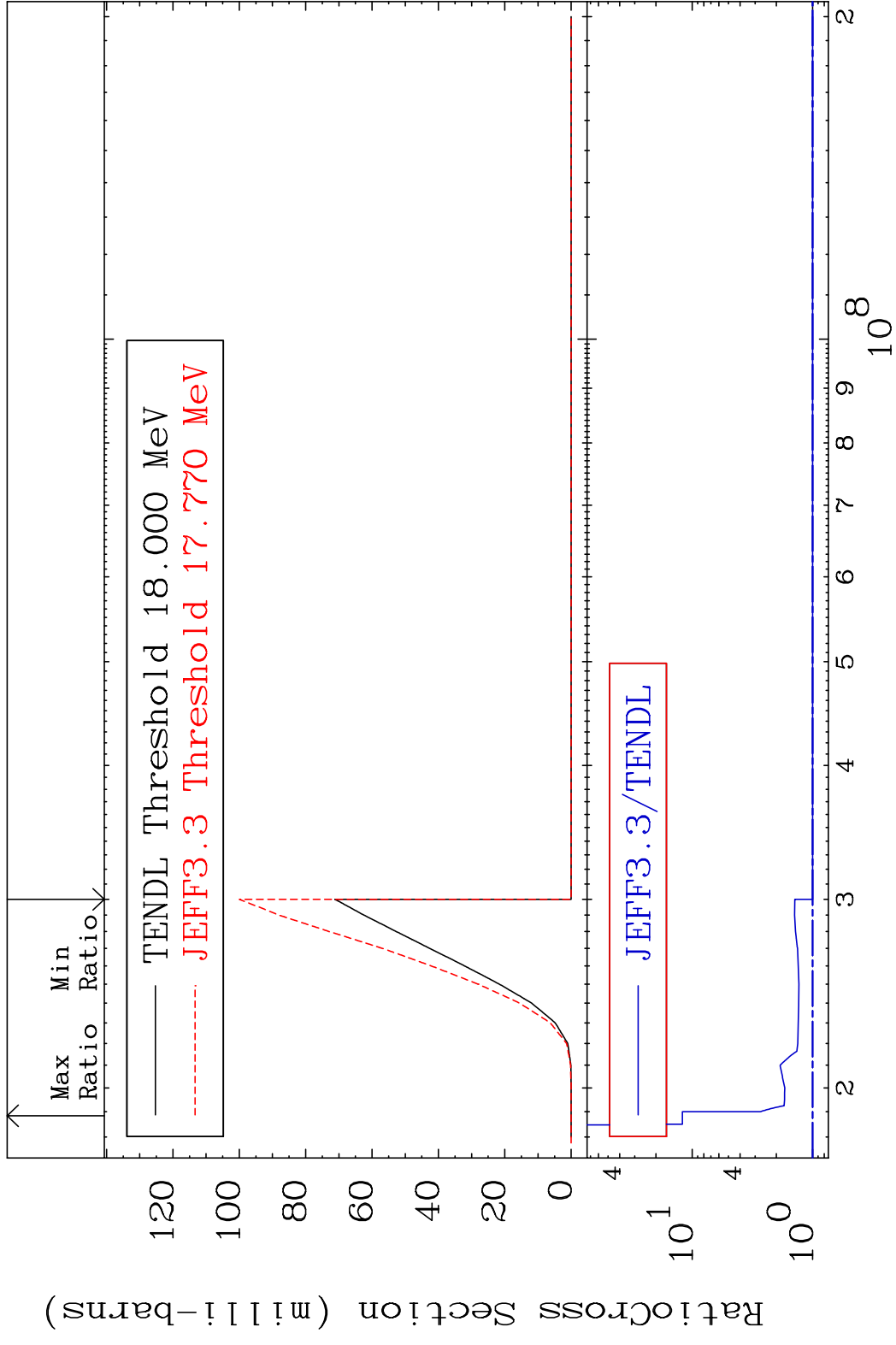




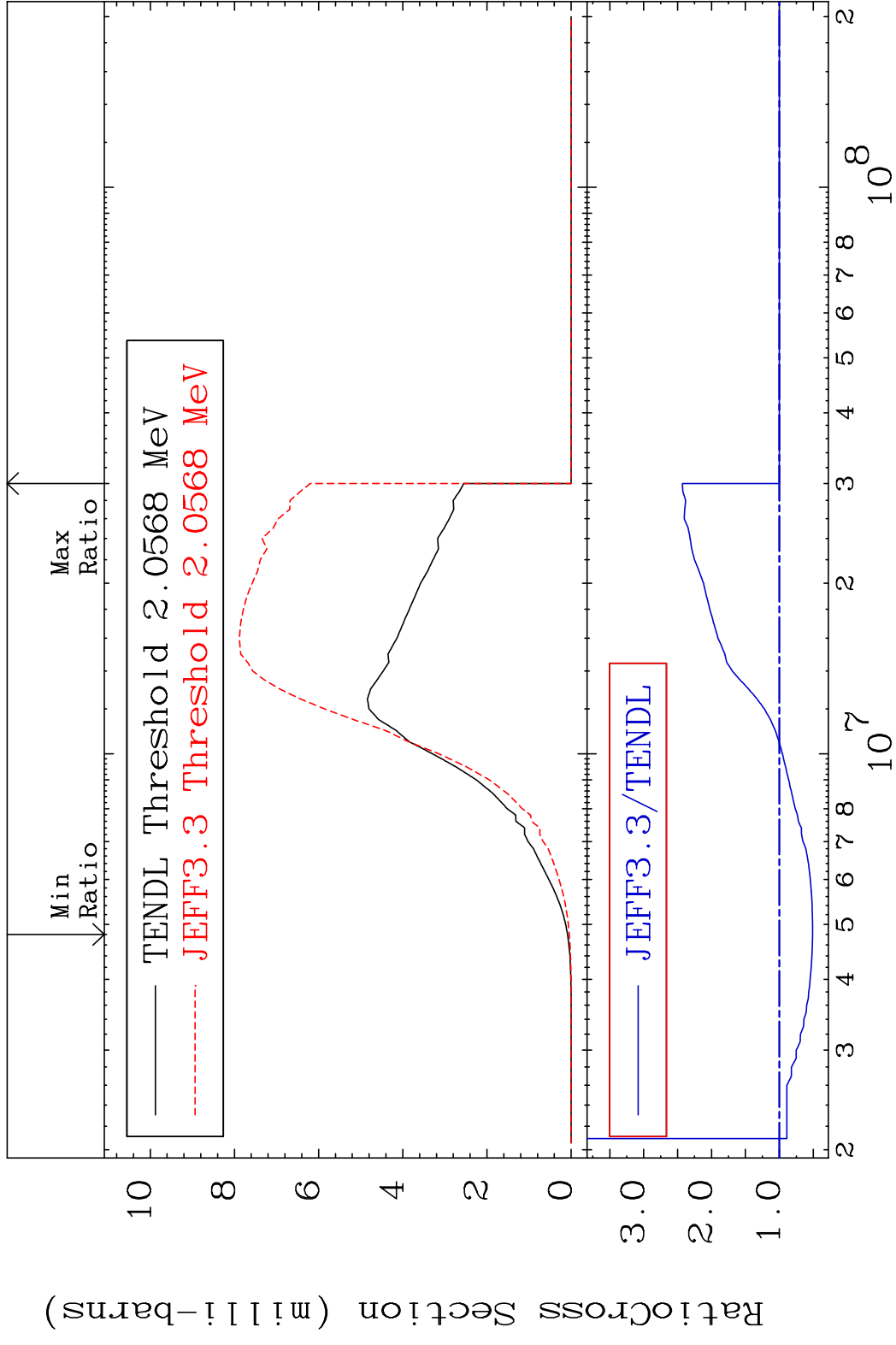


MAT 3131 (n,2n) p:30-Zn-69g 31-Ga-71
 Radionuclide Production Cross Section 100.00 % 9999. %

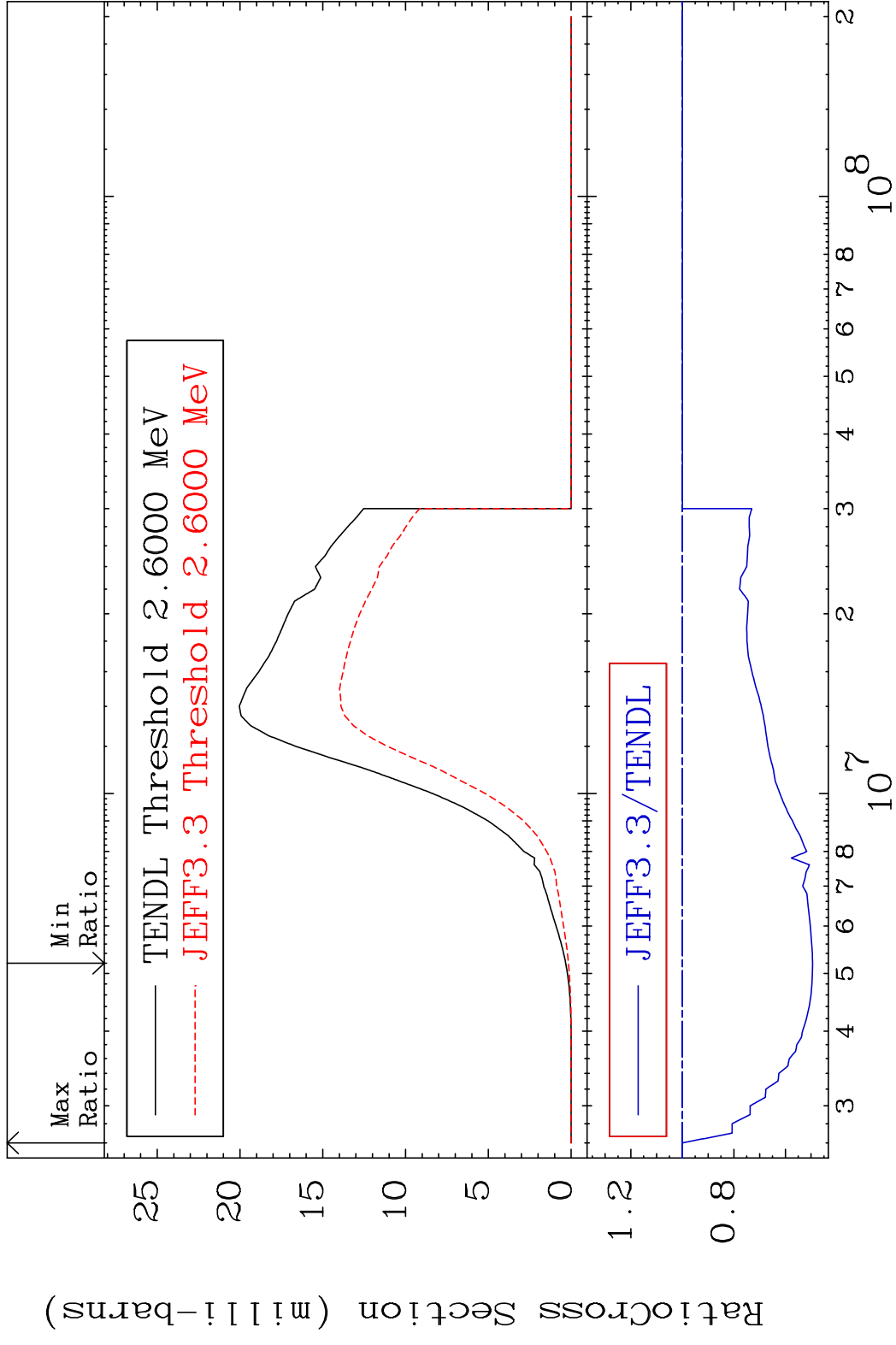




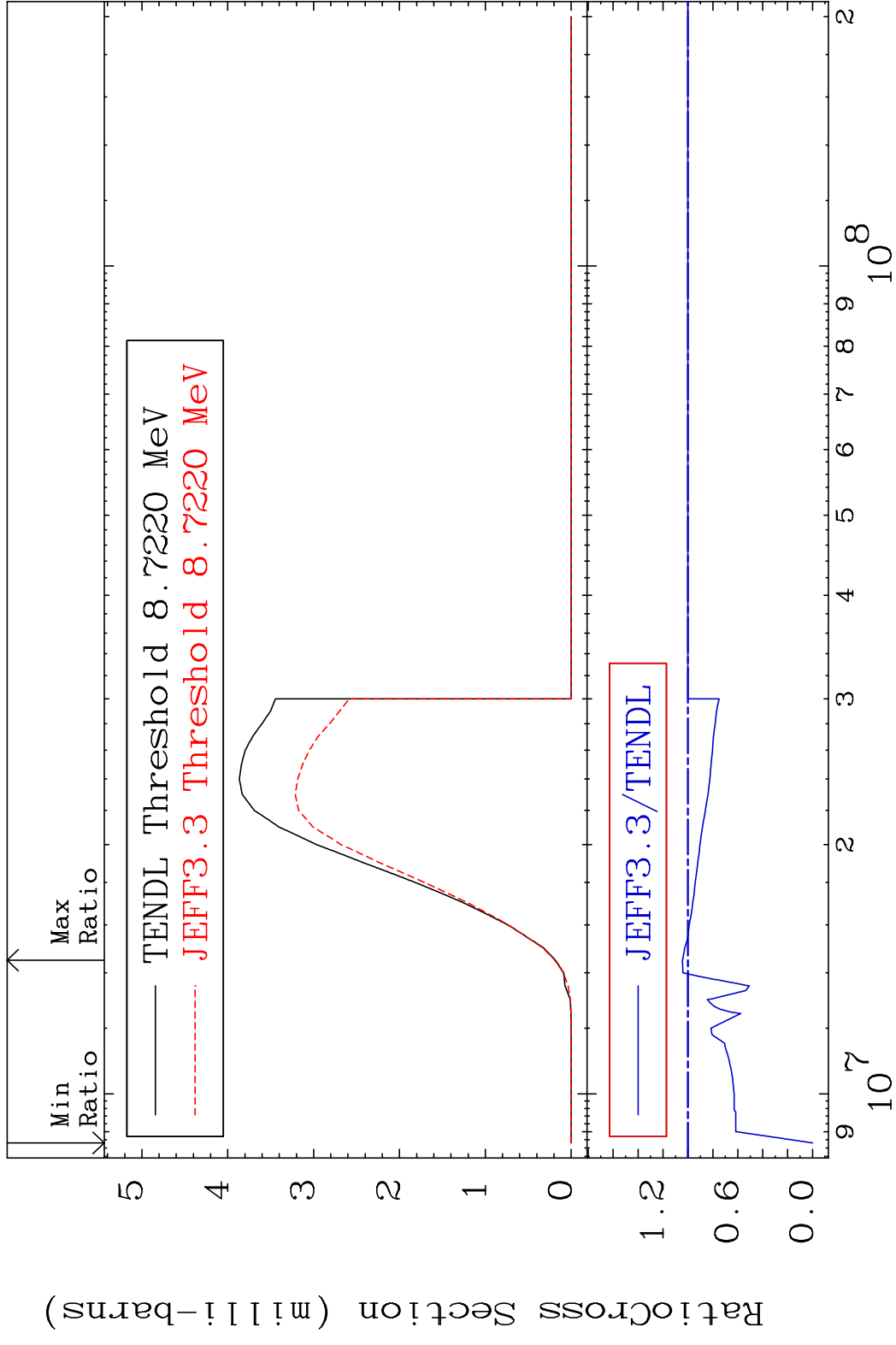
MAT 3131 (n, p):30-Zn-71g 31-Ga-71
 Radionuclide Production Cross Section 143.0 %



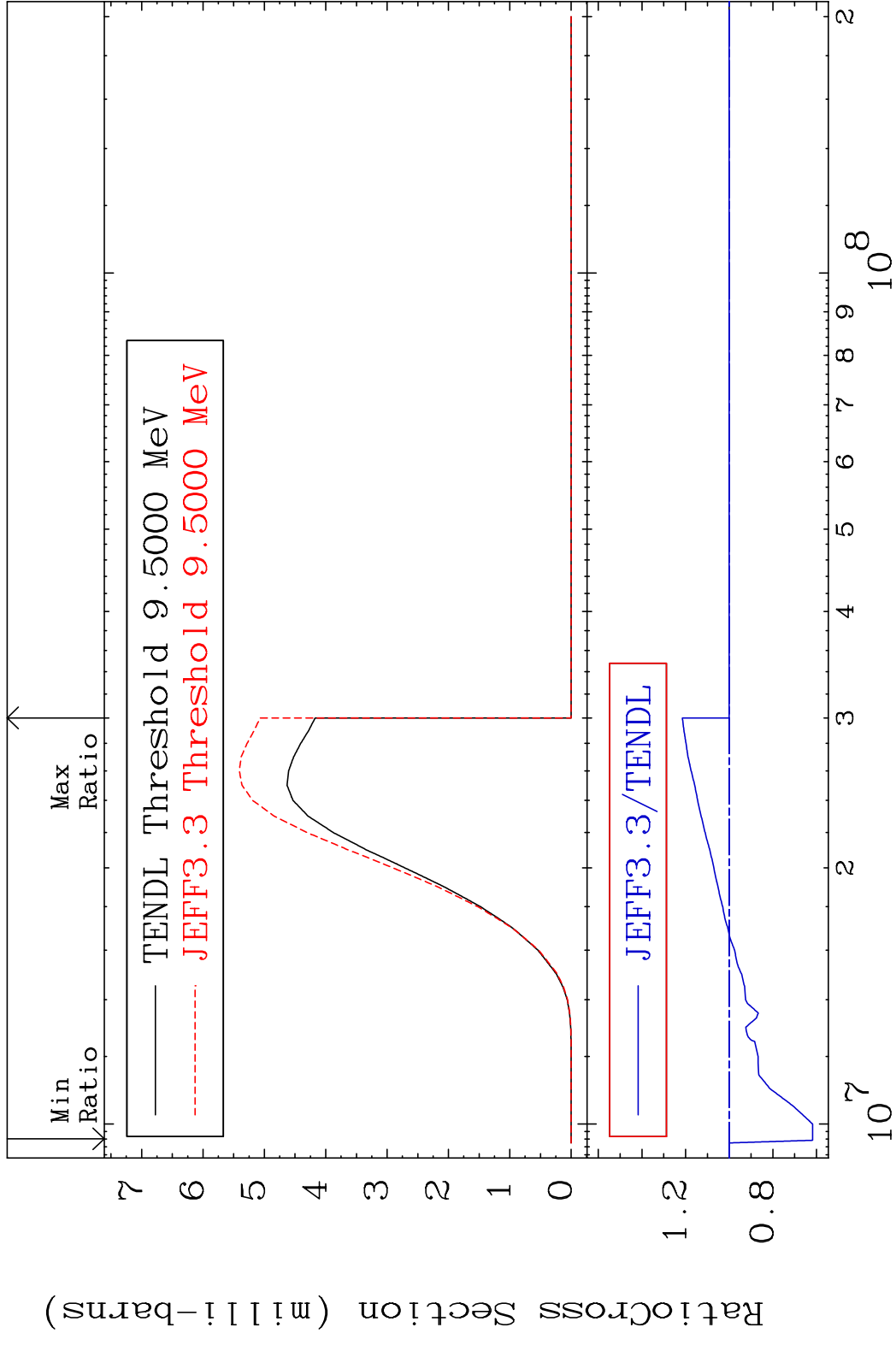
MAT 3131 (n,p):30-Zn-71m1 31-Ga-71
 Radionuclide Production Cross Section 0.000 %



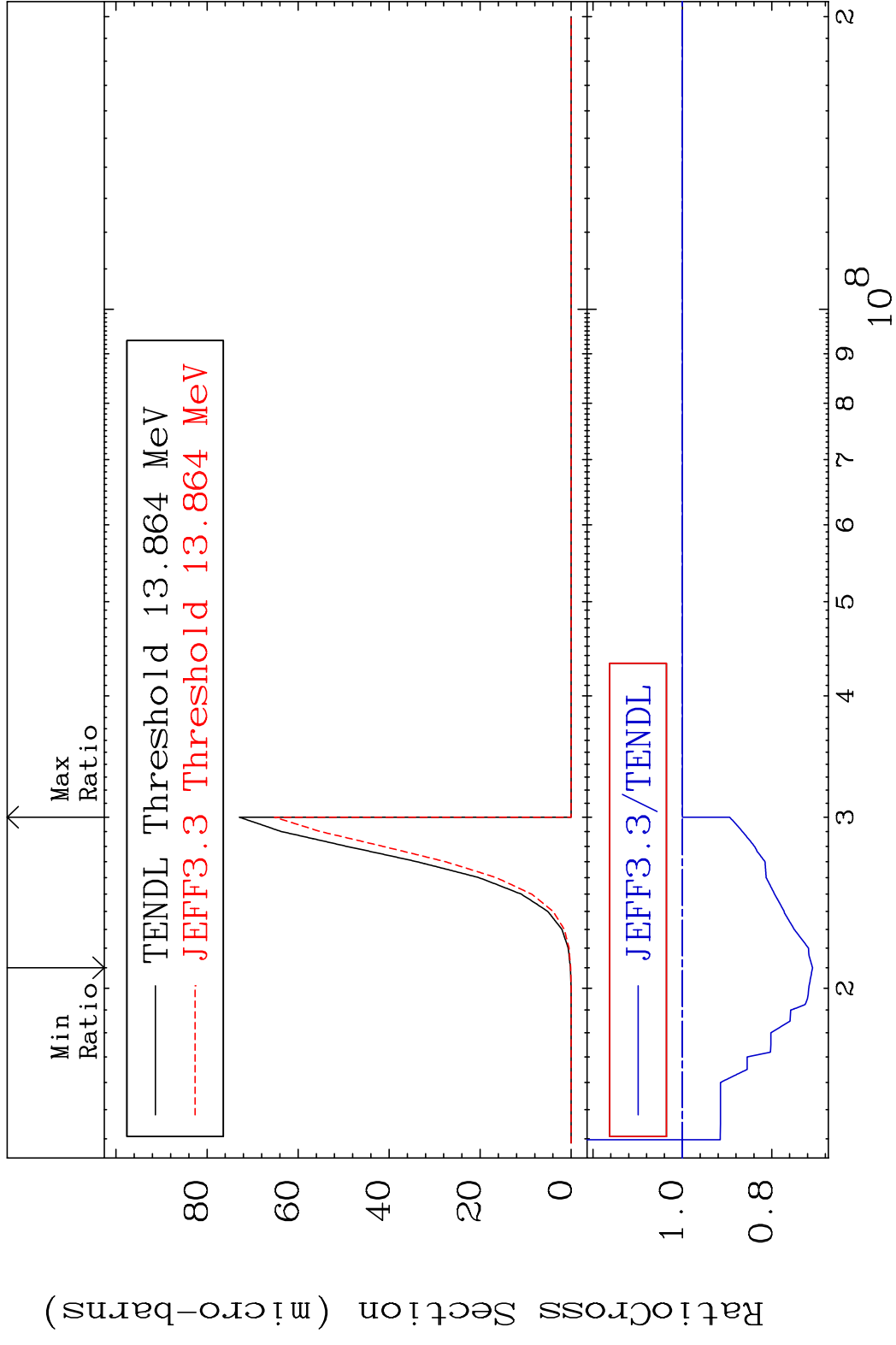
MAT 3131 (n, t):30-Zn-69g 31-Ga-71
 Radionuclide Production Cross Section 180.01 dth 4.467 %



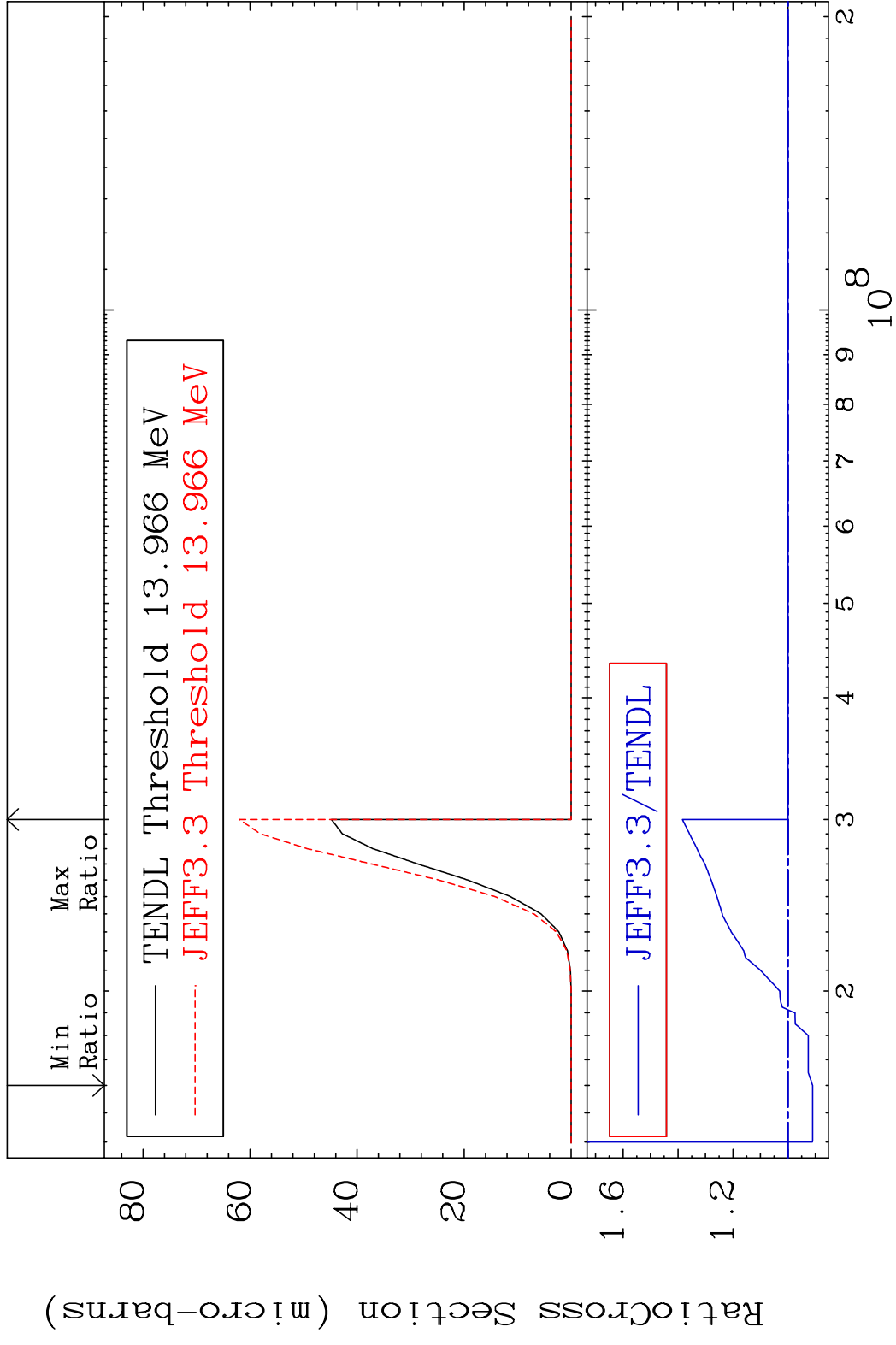
MAT 3131 (n, t):30-Zn-69m1 31-Ga-71
 Radionuclide Production Cross Section Ratio 21.49 %

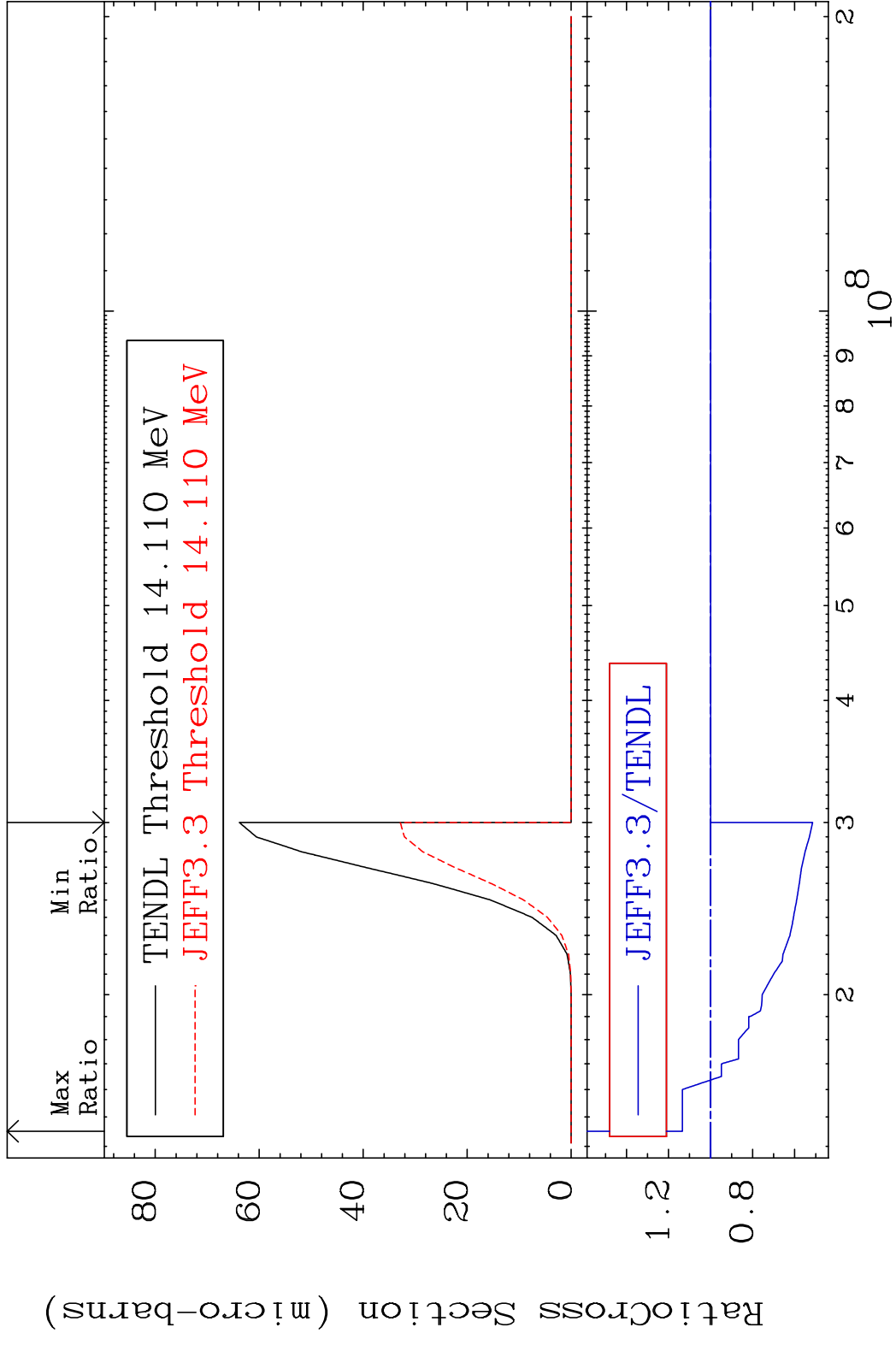


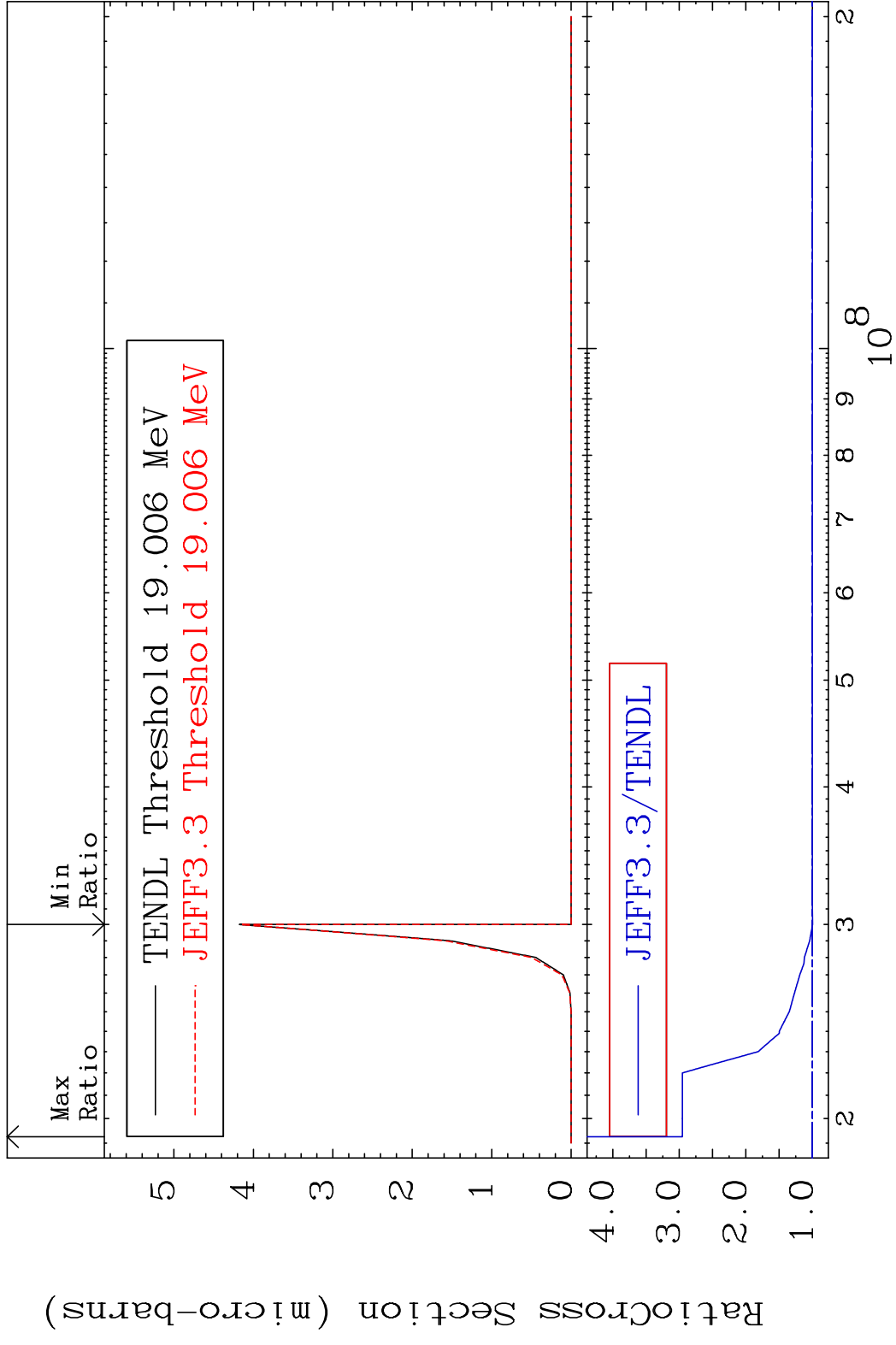
MAT 3131 (n,2p) : 29-Cu-70g 31-Ga-71
 Radionuclide Production Cross Section 0.000 %



MAT 3131 (n,2p):29-Cu-70m1 31-Ga-71
 Radionuclide Production Cross Section 38.41 %







MAT 3131 (n,p) t:29-Cu-68m3 31-Ga-71
 Radionuclide Production Cross Section 830.7 %

