

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

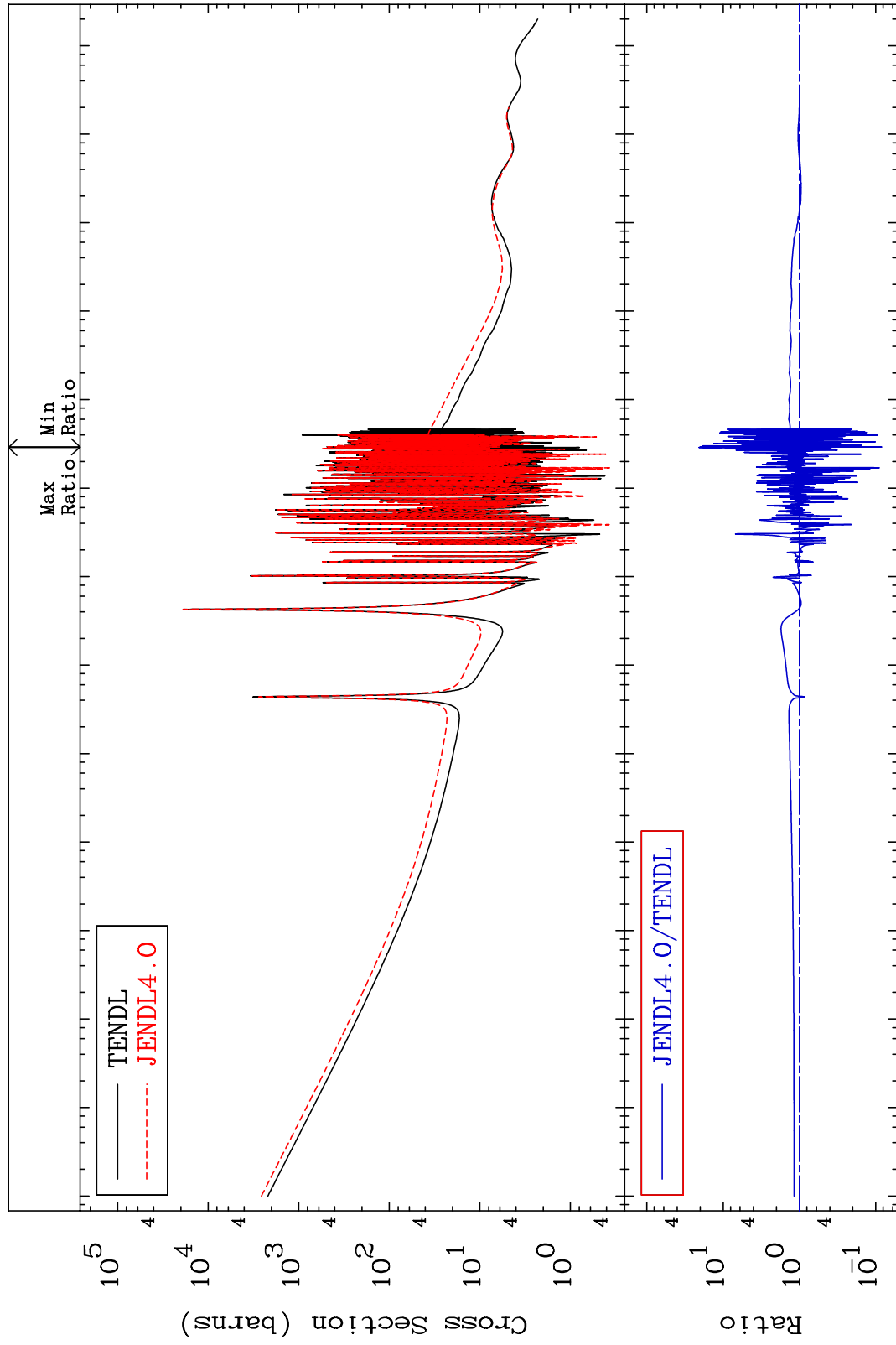
MAT 6034

Total

60-Nd-145

-91.62 To 1991. %

Cross Section



Incident Energy (eV)

60-Nd-145

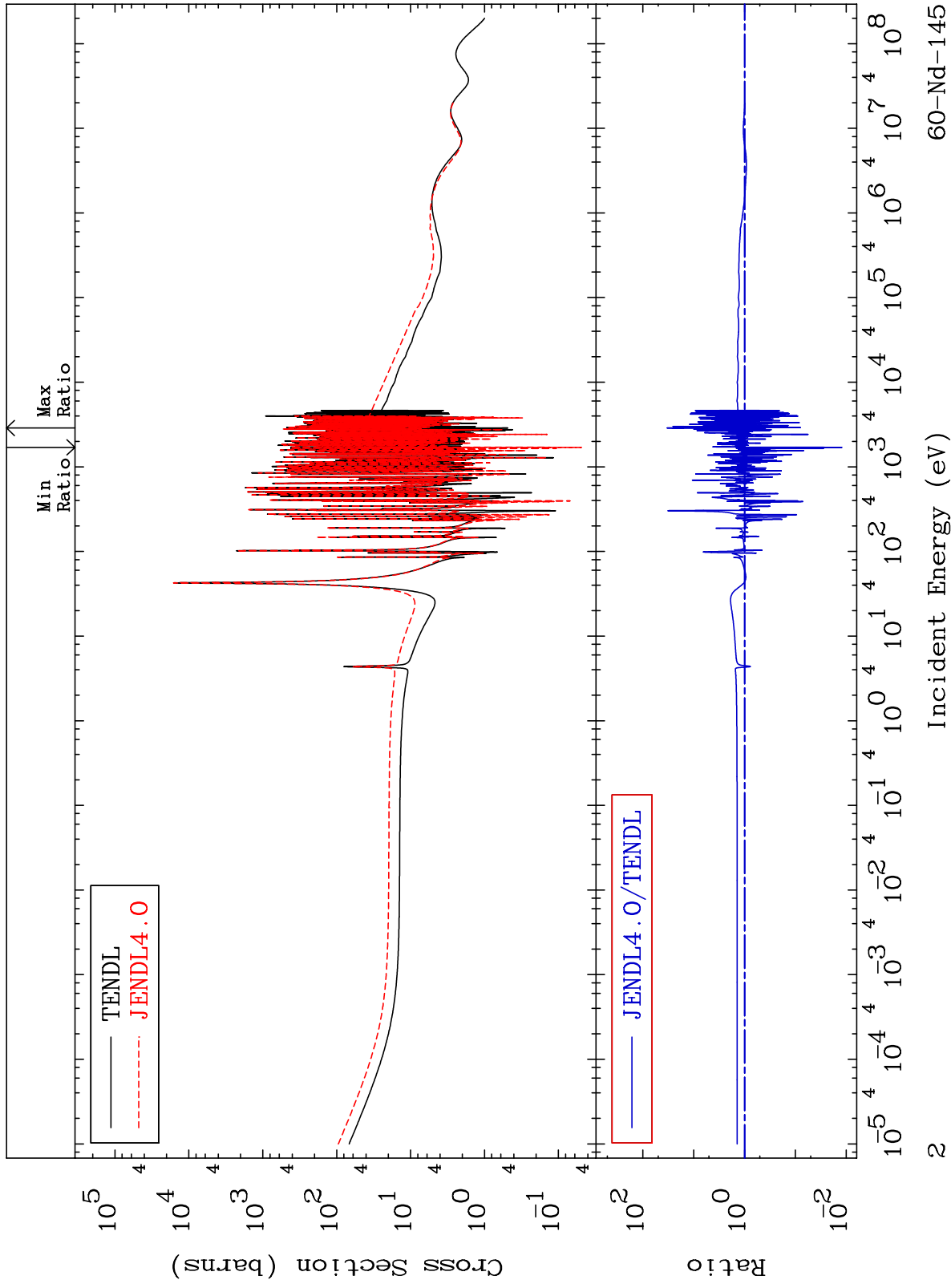
MAT 6034

Elastic

Cross Section

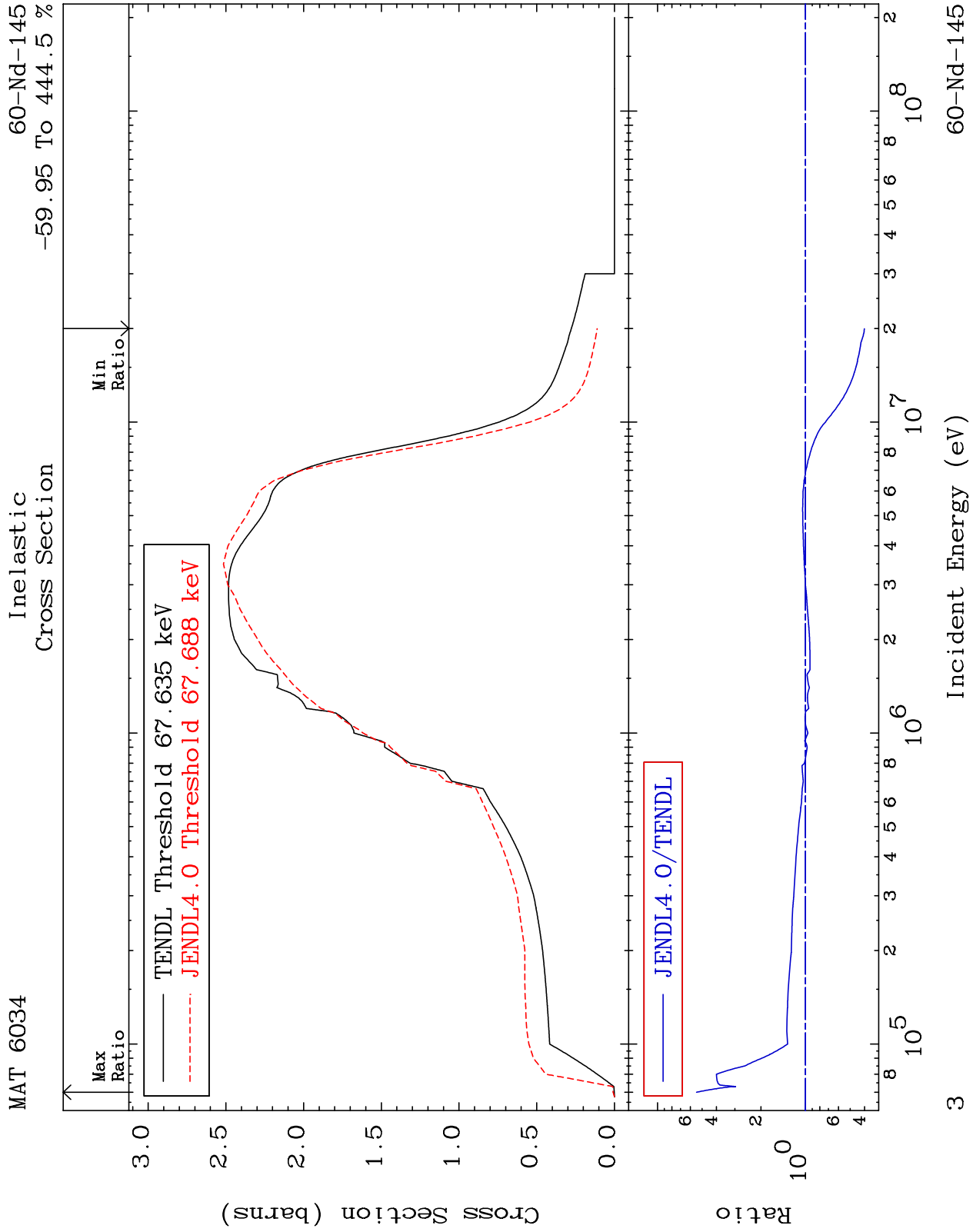
60-Nd-145

-98.78 To 3272. %

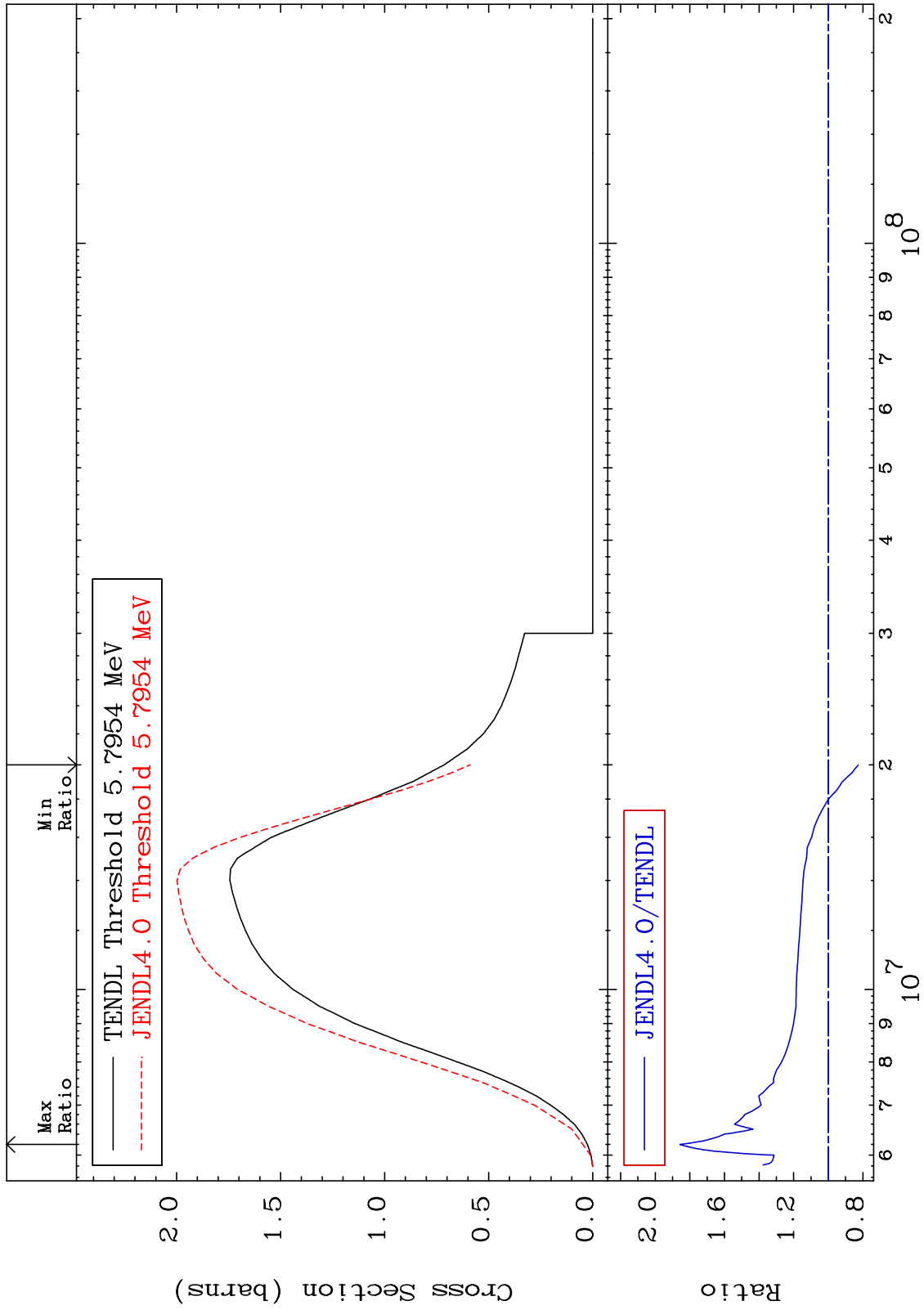


60-Nd-145

Incident Energy (eV)



MAT 6034 (n,2n) Cross Section 60-Nd-145 -17.43 To 85.66 %



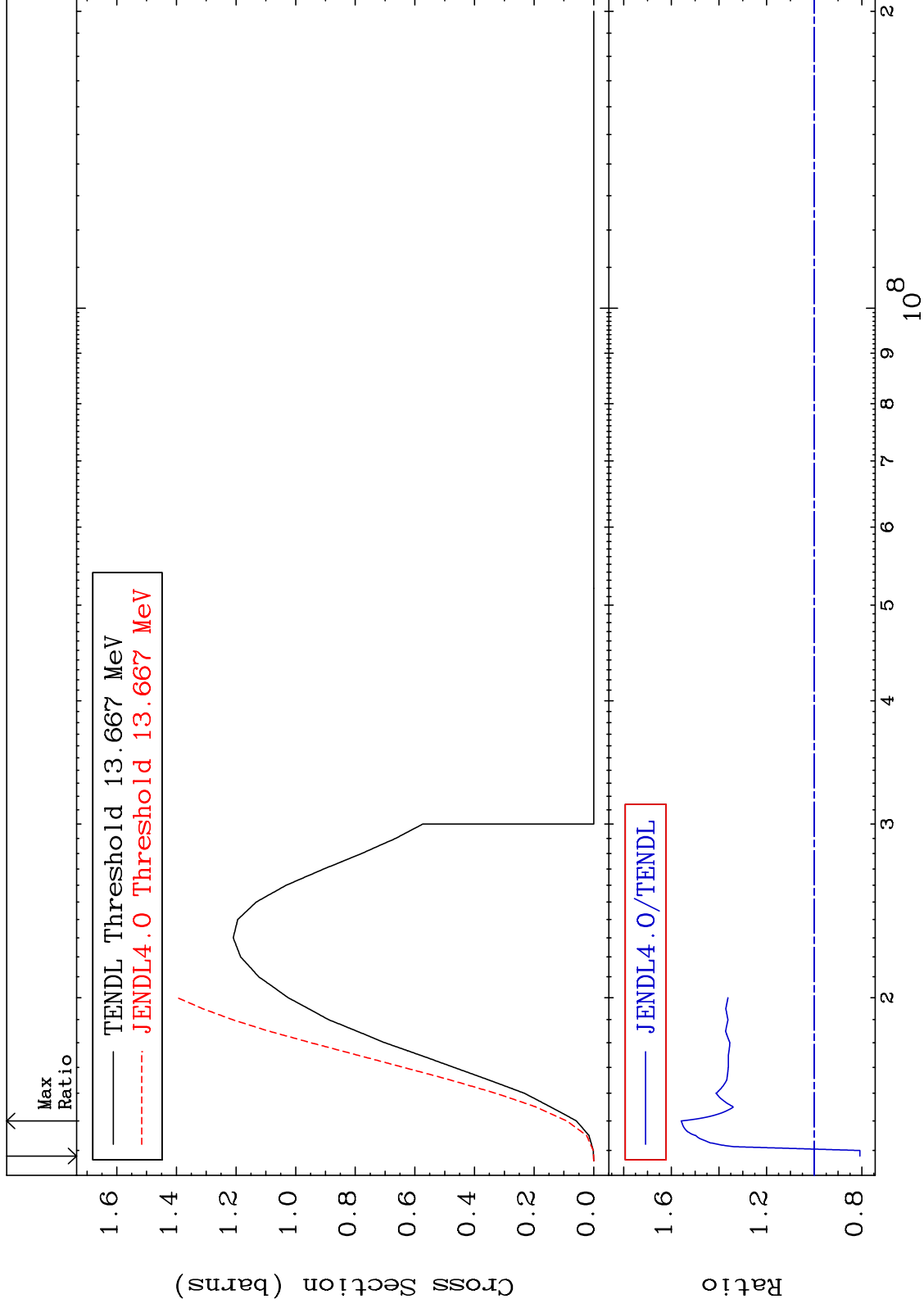
MAT 6034

(n, 3n)

60-Nd-145

Cross Section

-19.16 To 55.82 %



MAT 6034

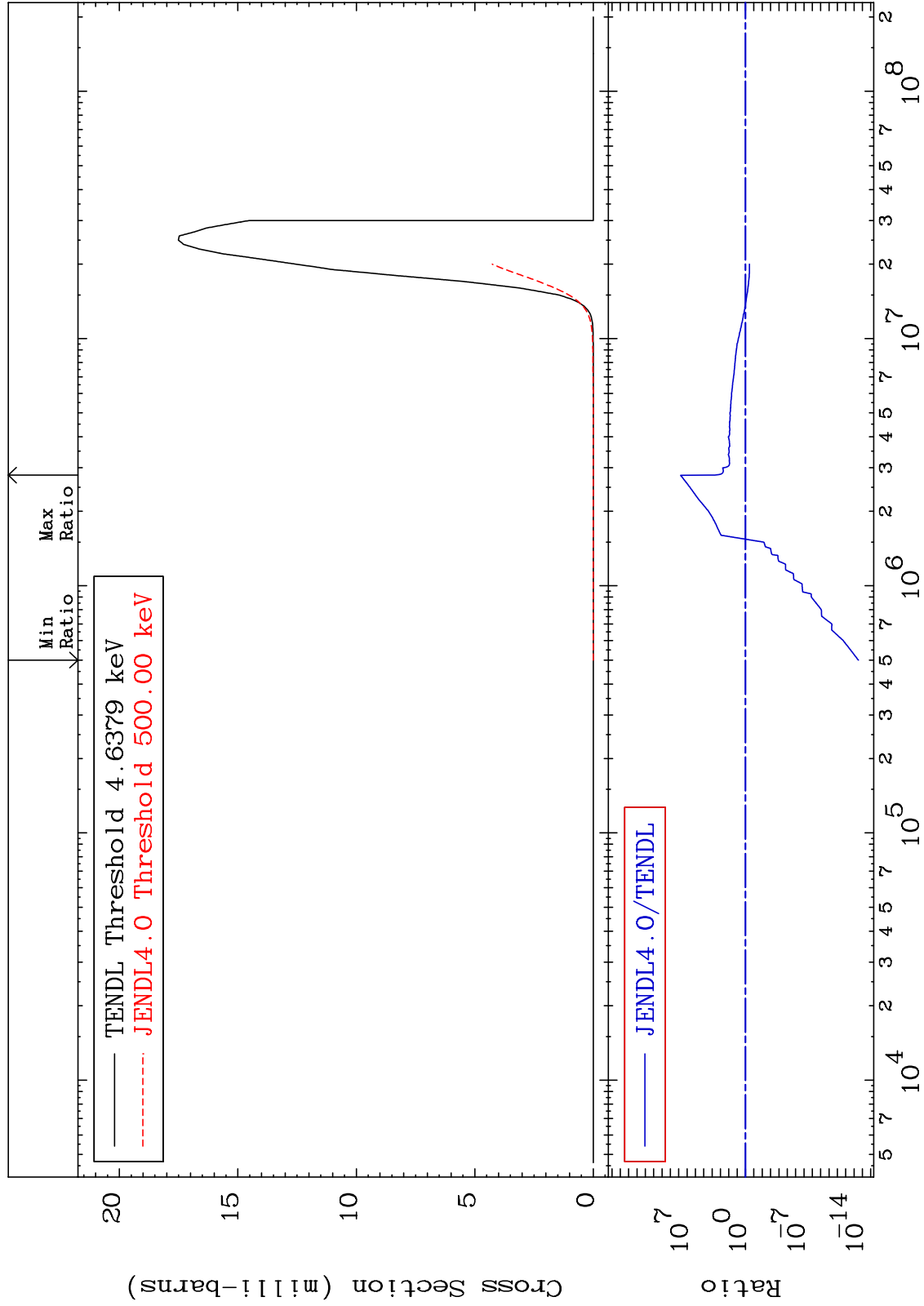
(n, n') α

60-Nd-145

Cross Section

Cross Section

-100.0 To 9999. %



6

Incident Energy (eV)

60-Nd-145

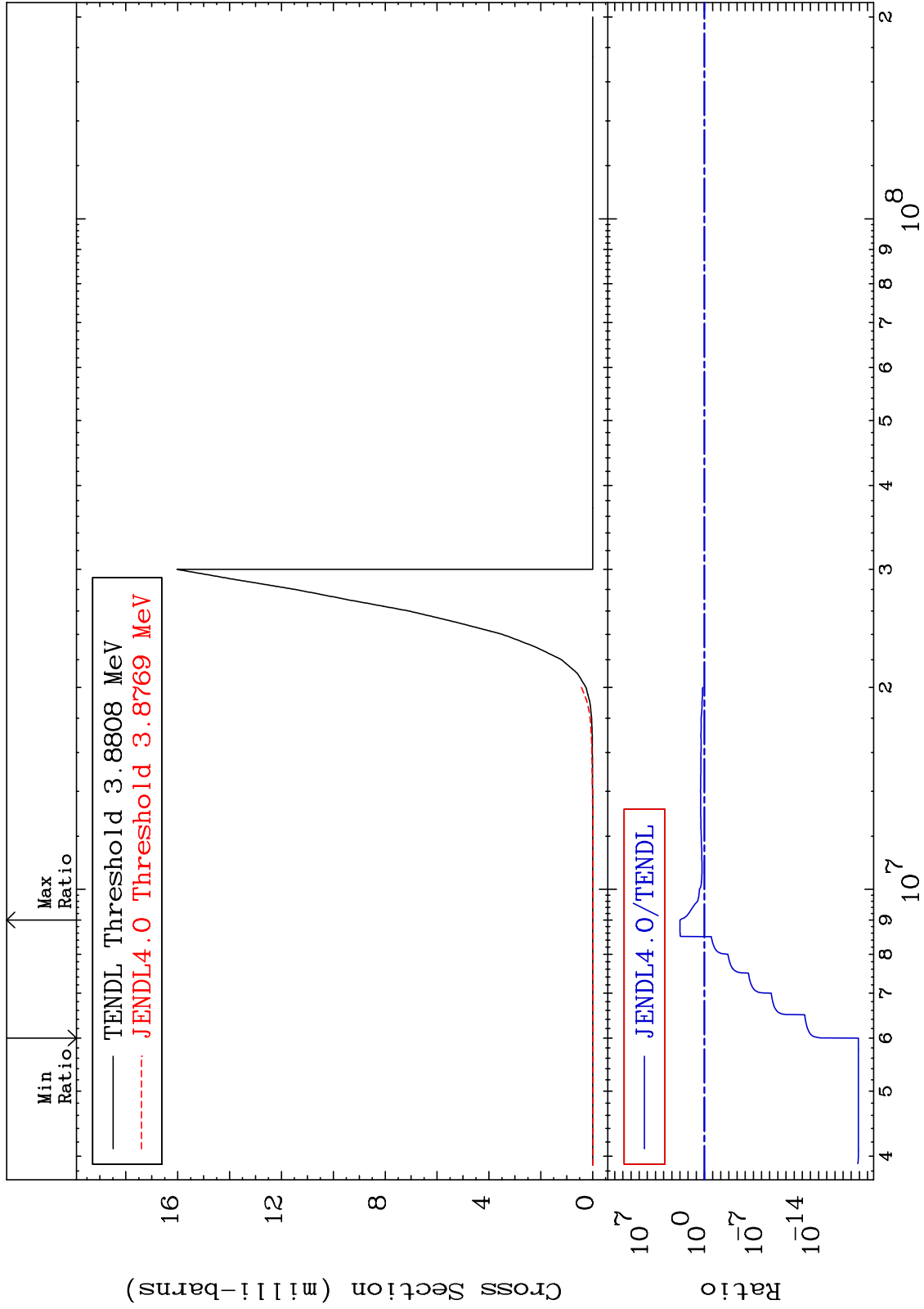
MAT 6034

(n,2n) α

60-Nd-145

Cross Section

-100.0 To 9999. %



7

Incident Energy (eV)

60-Nd-145

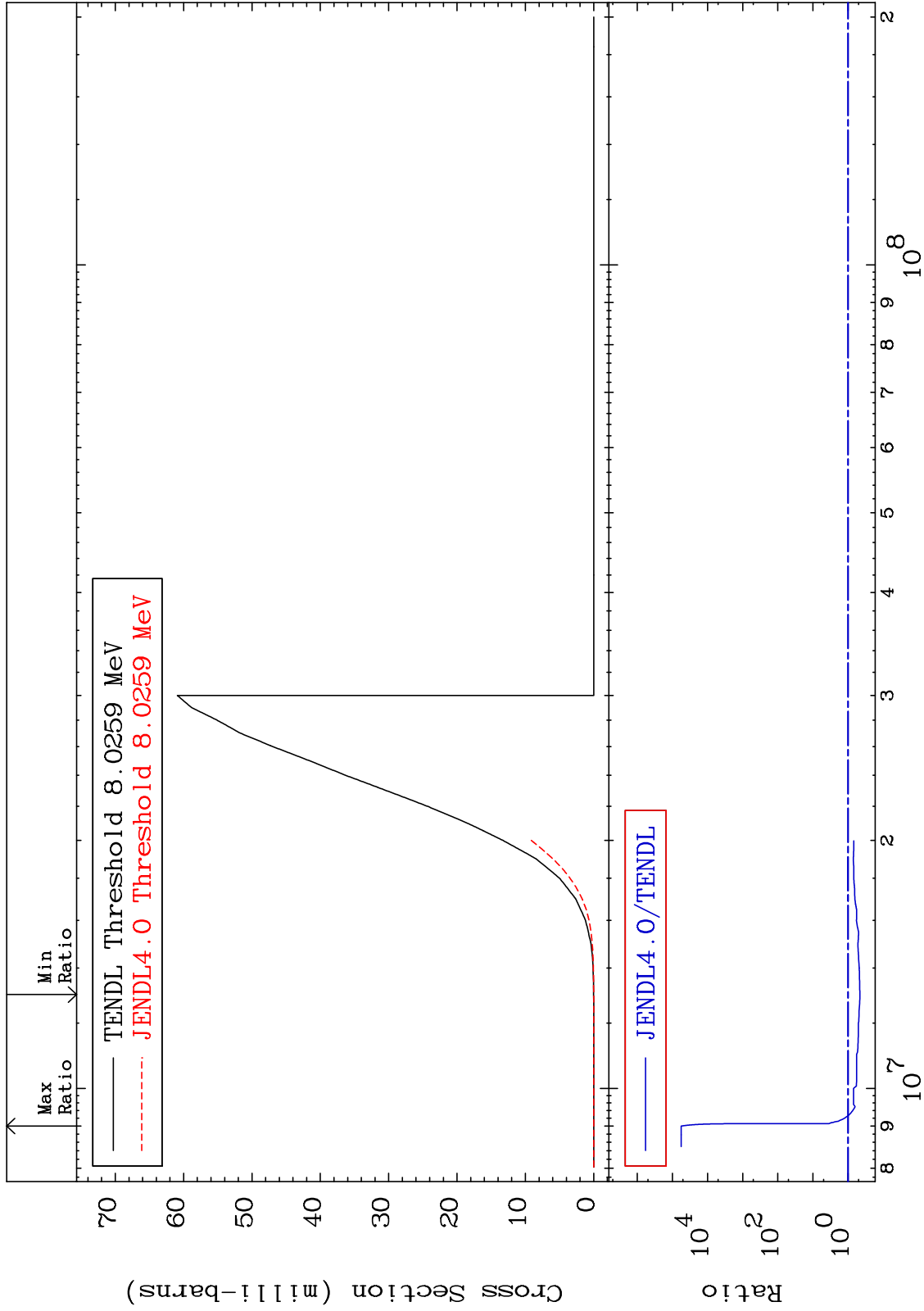
MAT 6034

(n,n') p

60-Nd-145

Cross Section

-54.01 To 9999. %



8

Incident Energy (eV)

60-Nd-145

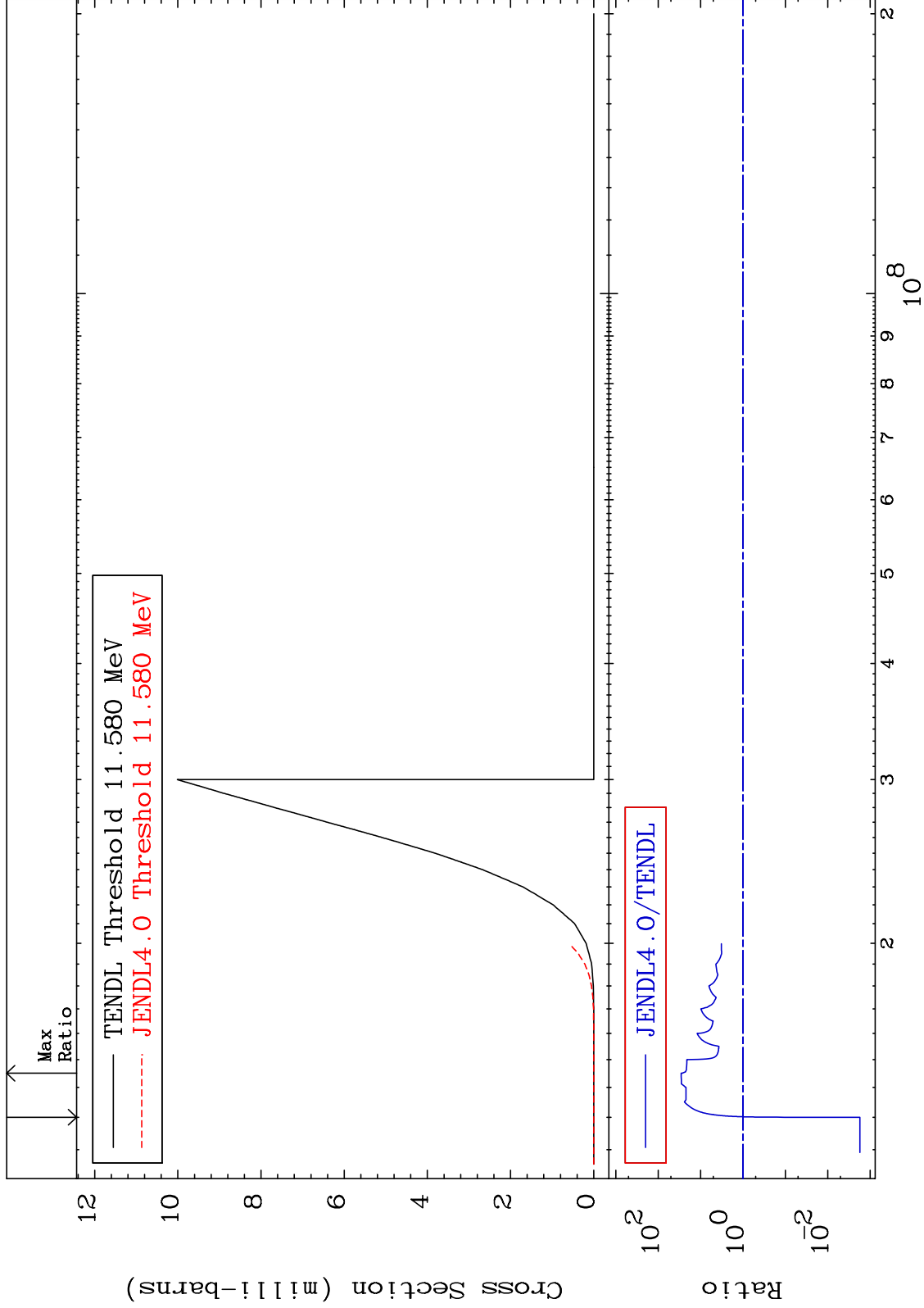
MAT 6034

(n,n') d

60-Nd-145

Cross Section

-99.83 To 2752. %



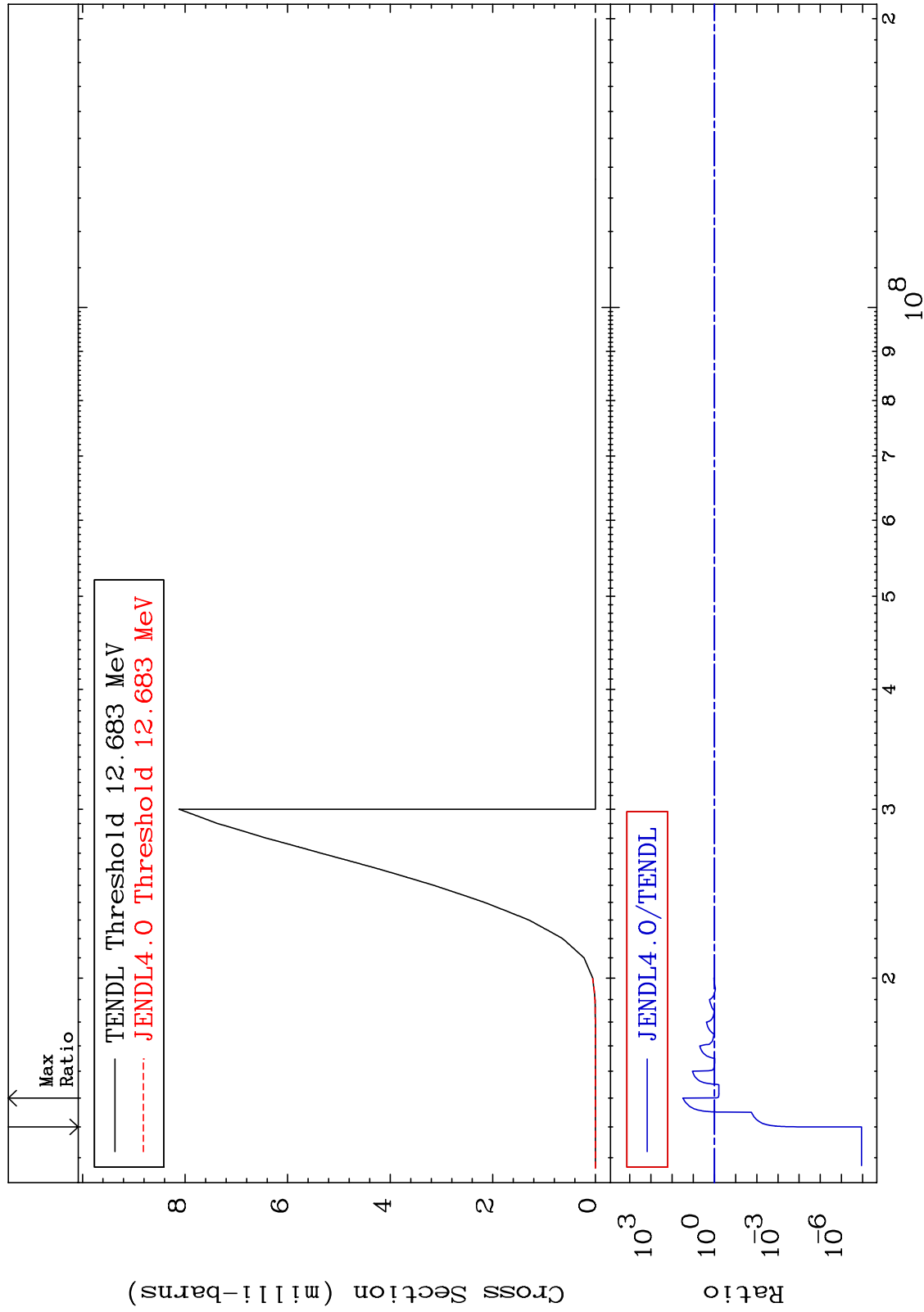
MAT 6034

(n,n') t

60-Nd-145

Cross Section

-100.0 To 3005. %



10

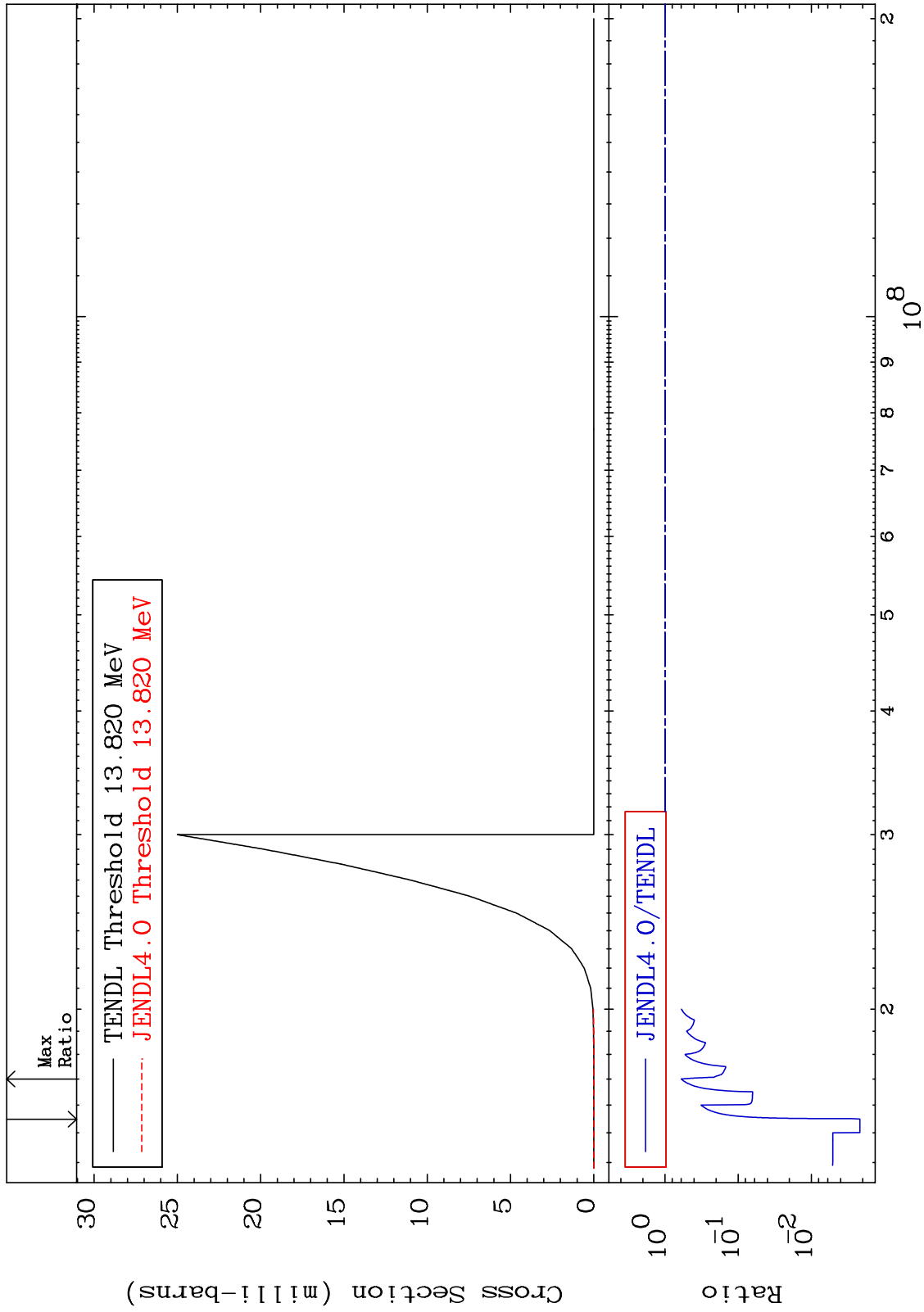
Incident Energy (eV)

60-Nd-145

MAT 6034

(n,2n) p
Cross Section

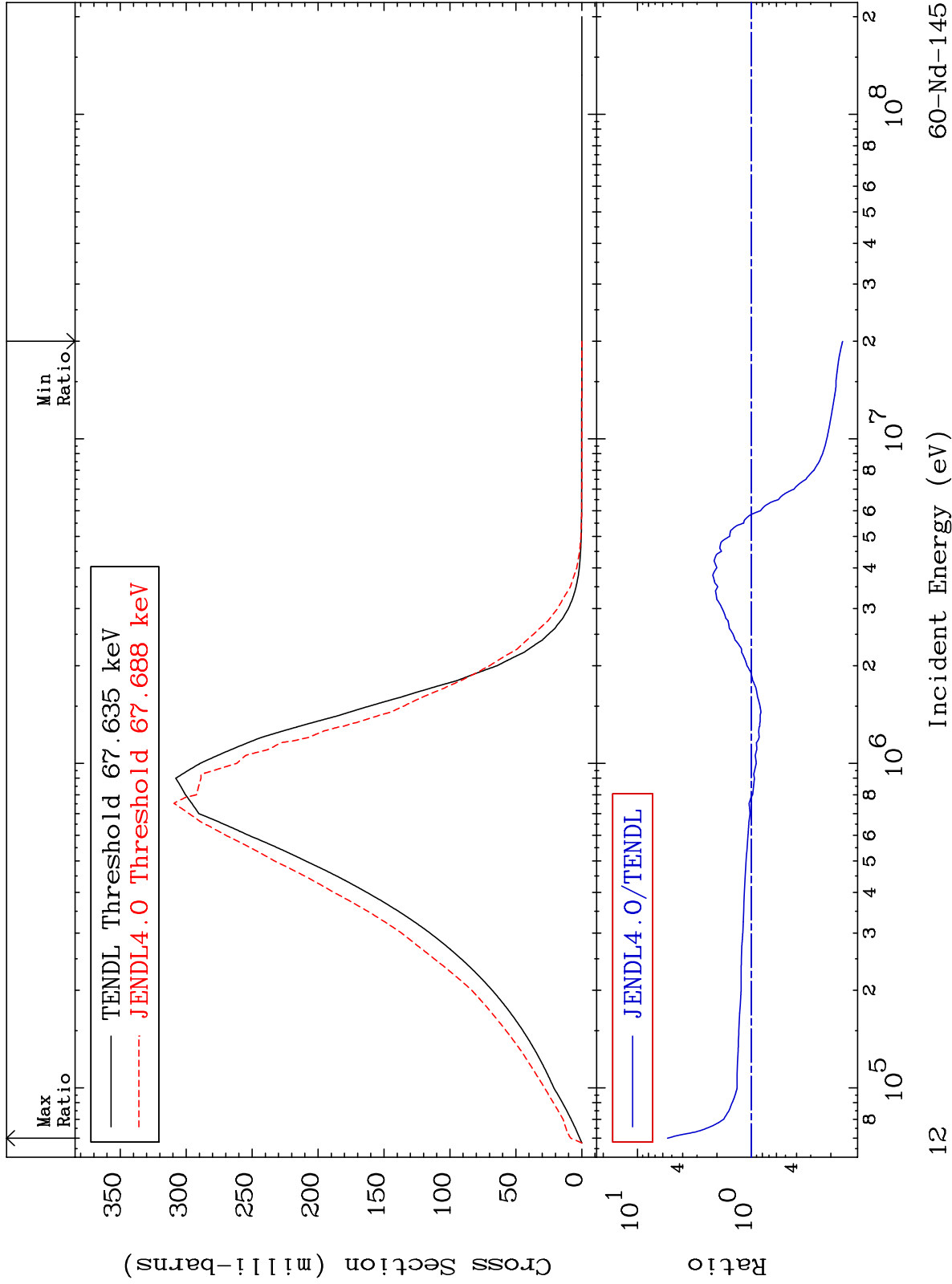
60-Nd-145
-99.78 To -39.96%



MAT 6034

MT= 51 (n,n') Level
Cross Section

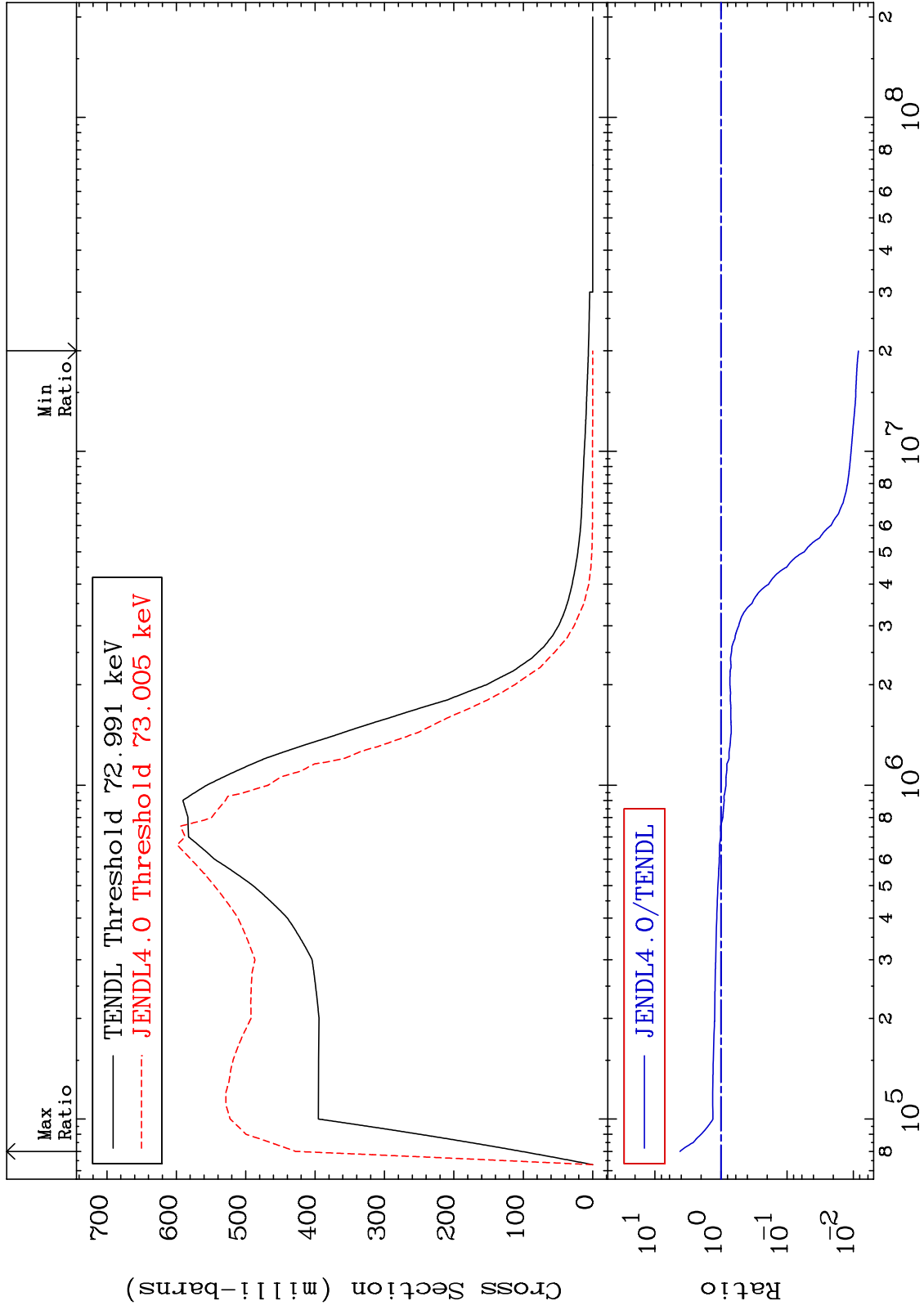
60-Nd-145
-84.26 To 444.5 %



MAT 6034

MT= 52 (n,n') Level
Cross Section

60-Nd-145
-99.16 To 317.1 %



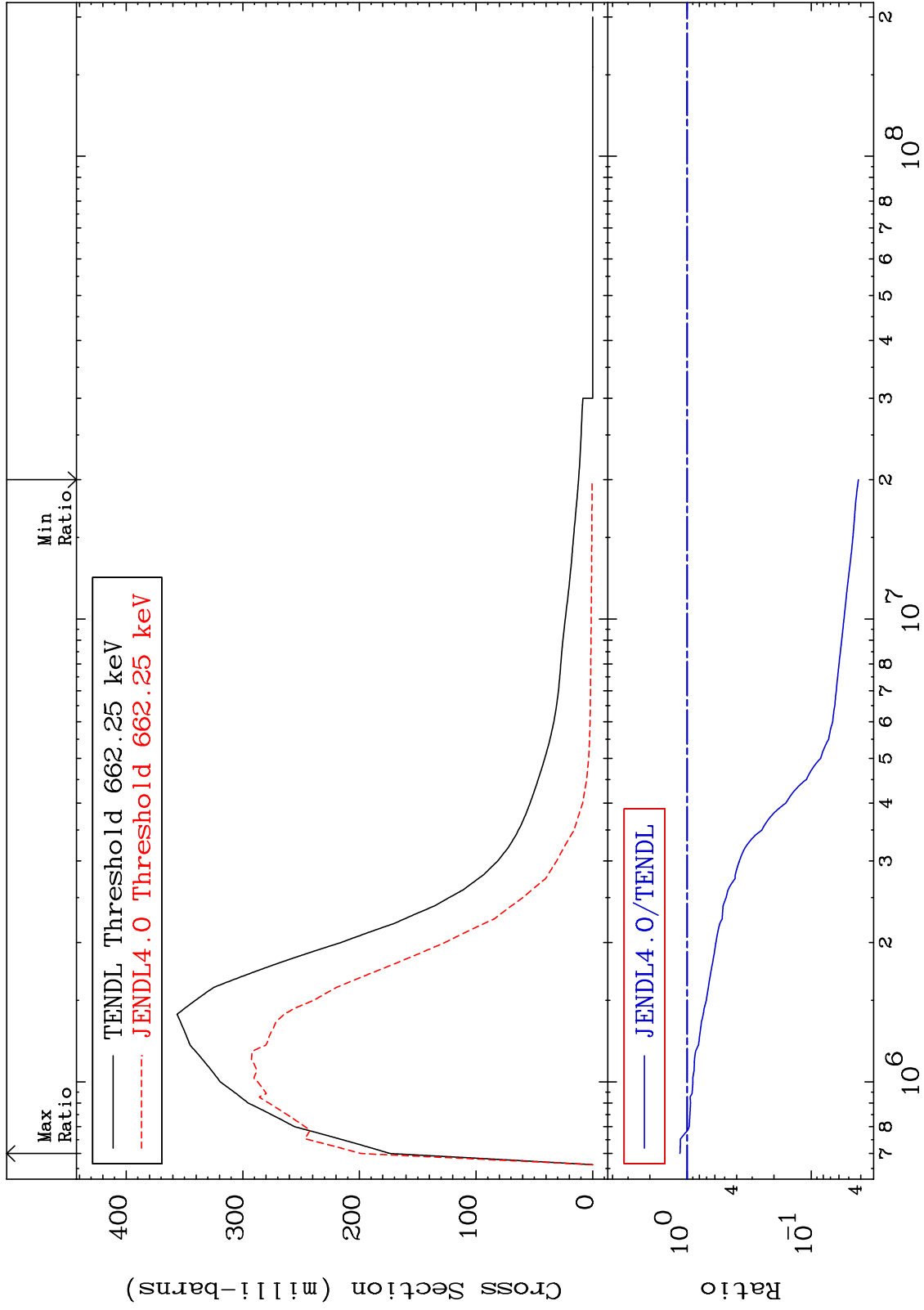
13

60-Nd-145

MAT 6034

MT= 53 (n,n') Level
Cross Section

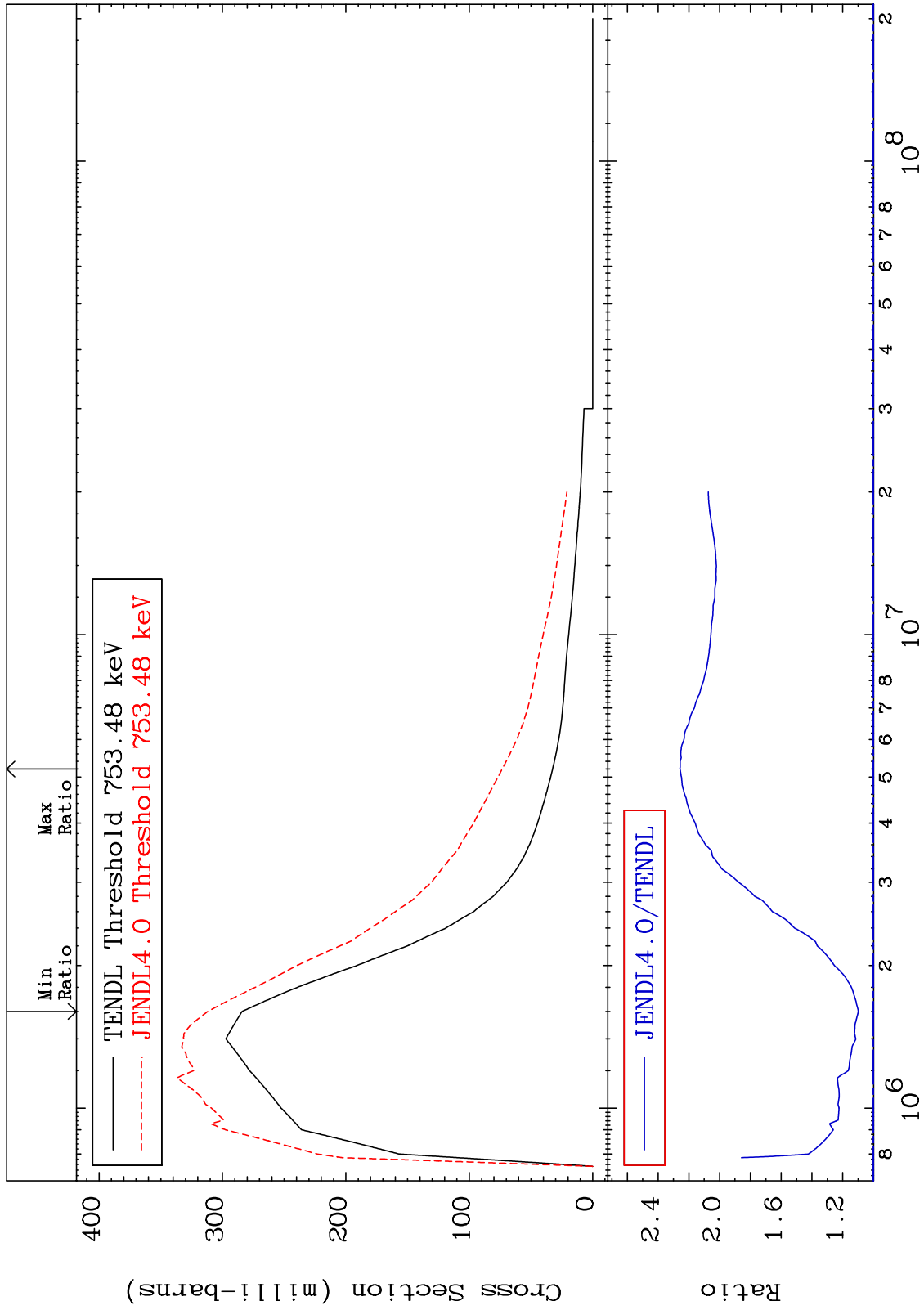
60-Nd-145
-95.83 To 14.34 %



14

60-Nd-145

MAT 6034 MT= 54 (n,n') Level
Cross Section 60-Nd-145
9.800 To 125.7 %

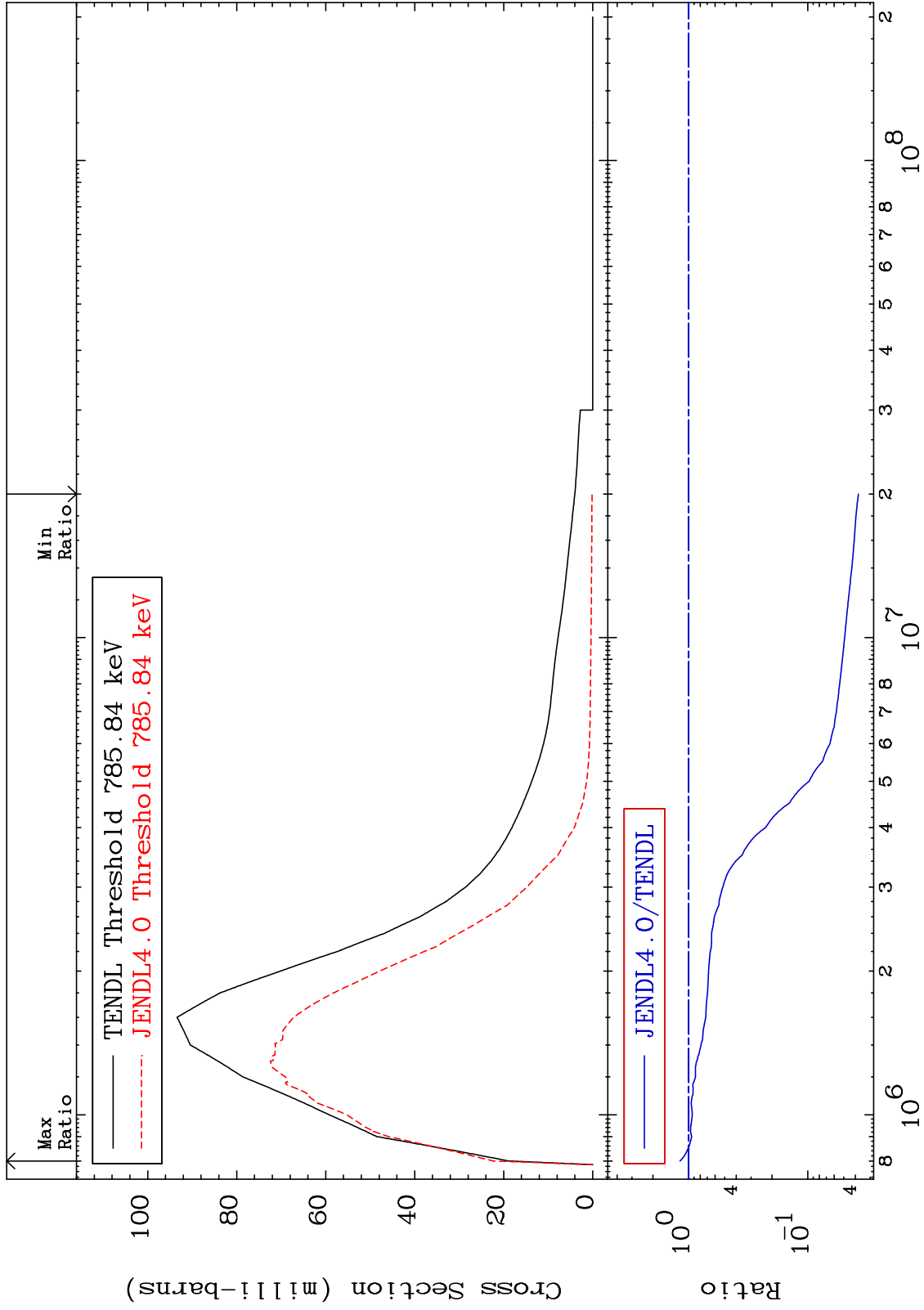


15 60-Nd-145

MAT 6034

MT= 55 (n,n') Level
Cross Section

60-Nd-145
-96.24 To 18.36 %



16

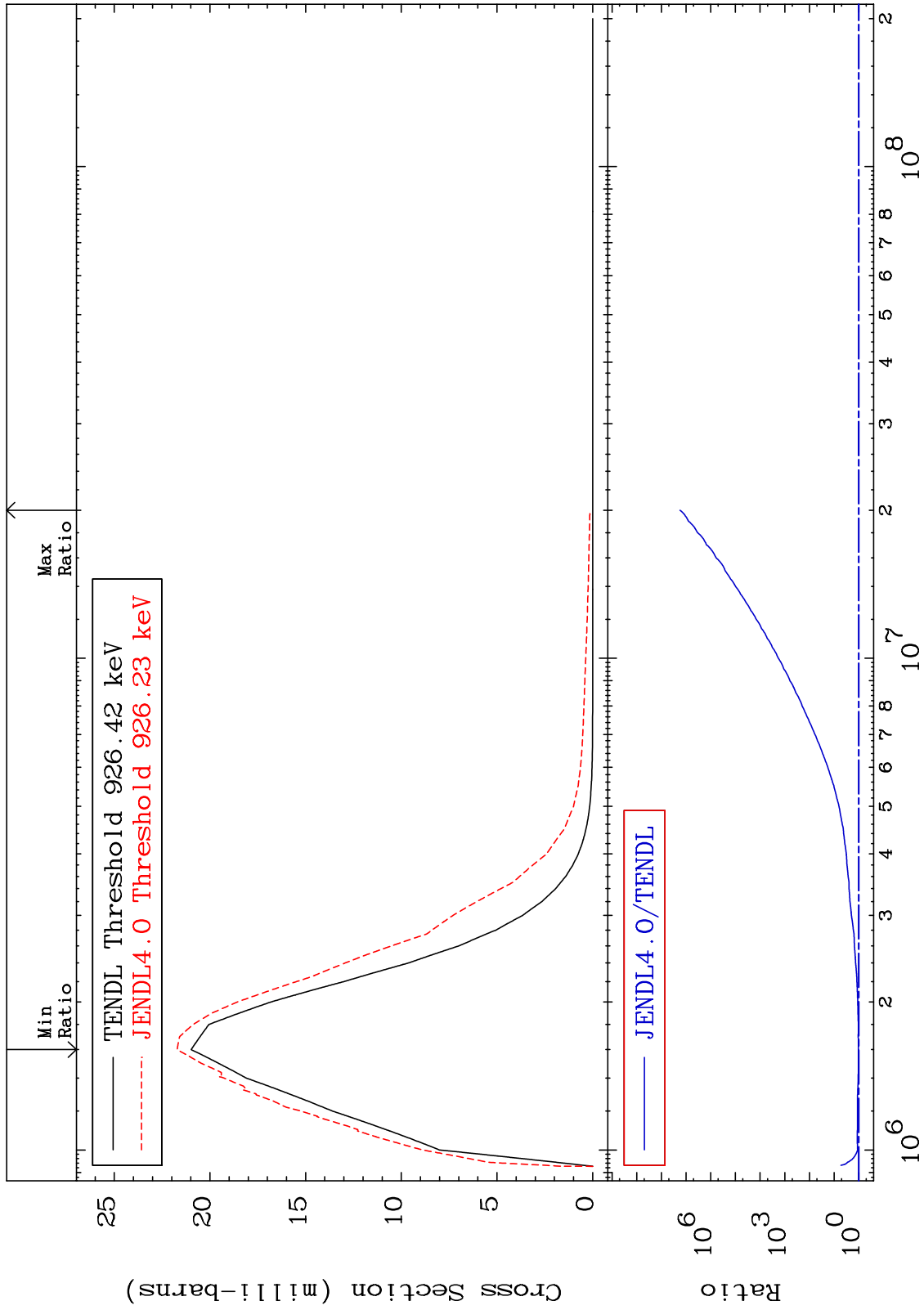
Incident Energy (eV)

60-Nd-145

MAT 6034

MT= 56 (n,n') Level
Cross Section

60-Nd-145
3.523 To 9999. %

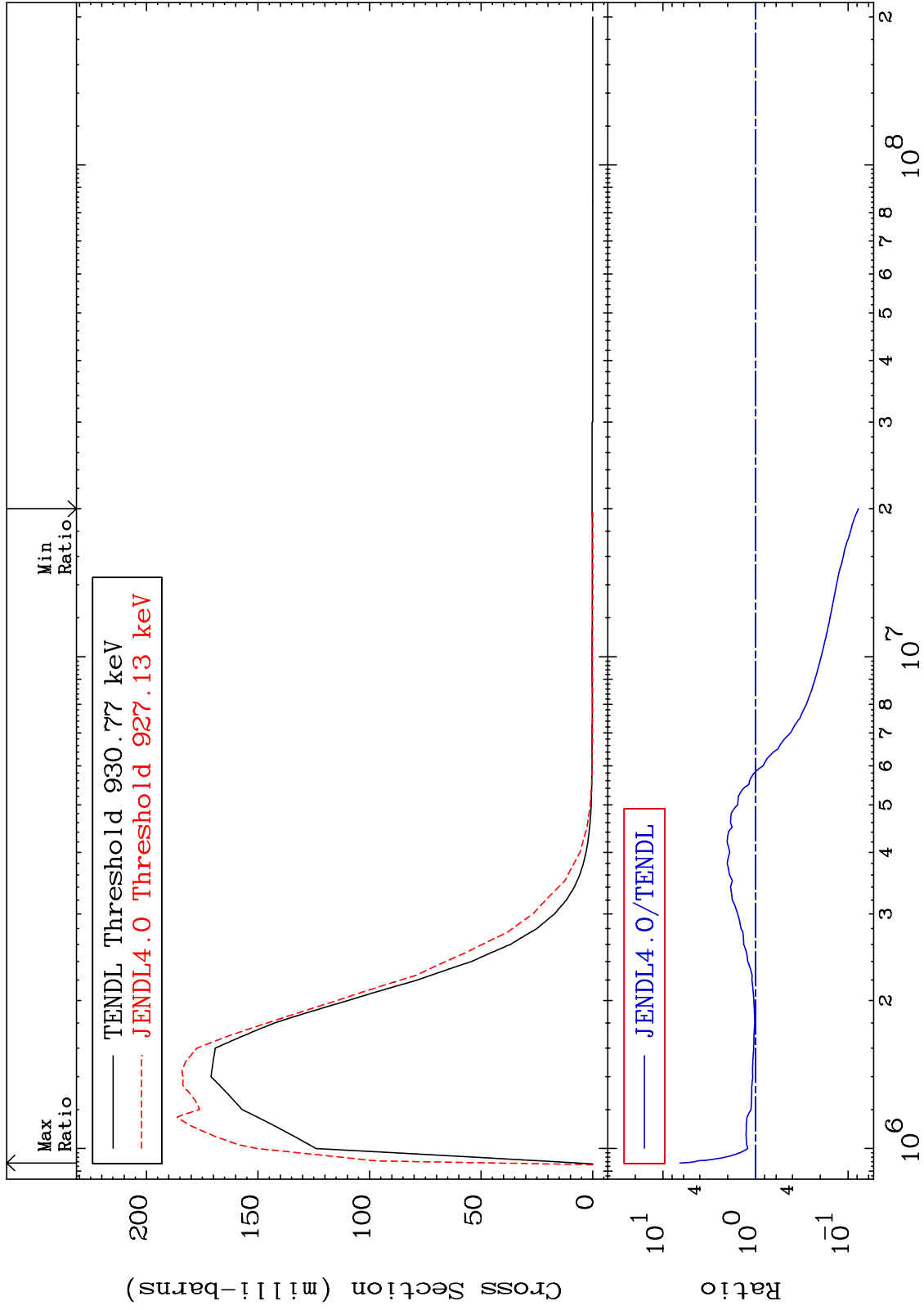


17 10⁶ 10⁷ 10⁸ 60-Nd-145

MAT 6034

MT= 57 (n,n') Level
Cross Section

60-Nd-145
-92.25 To 555.5 %

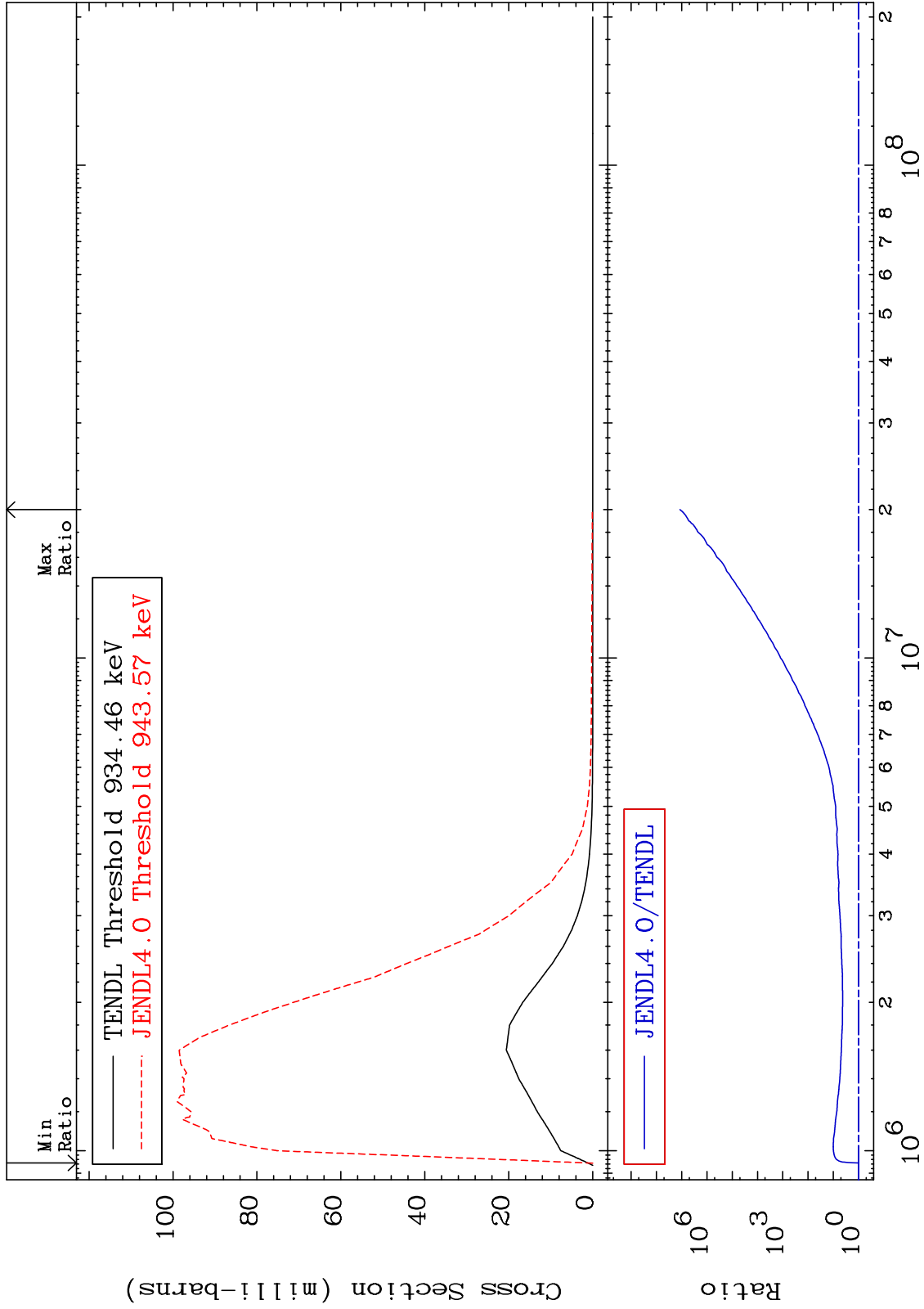


18 60-Nd-145

MAT 6034

MT= 58 (n,n') Level
Cross Section

60-Nd-145
1.403 To 9999. %

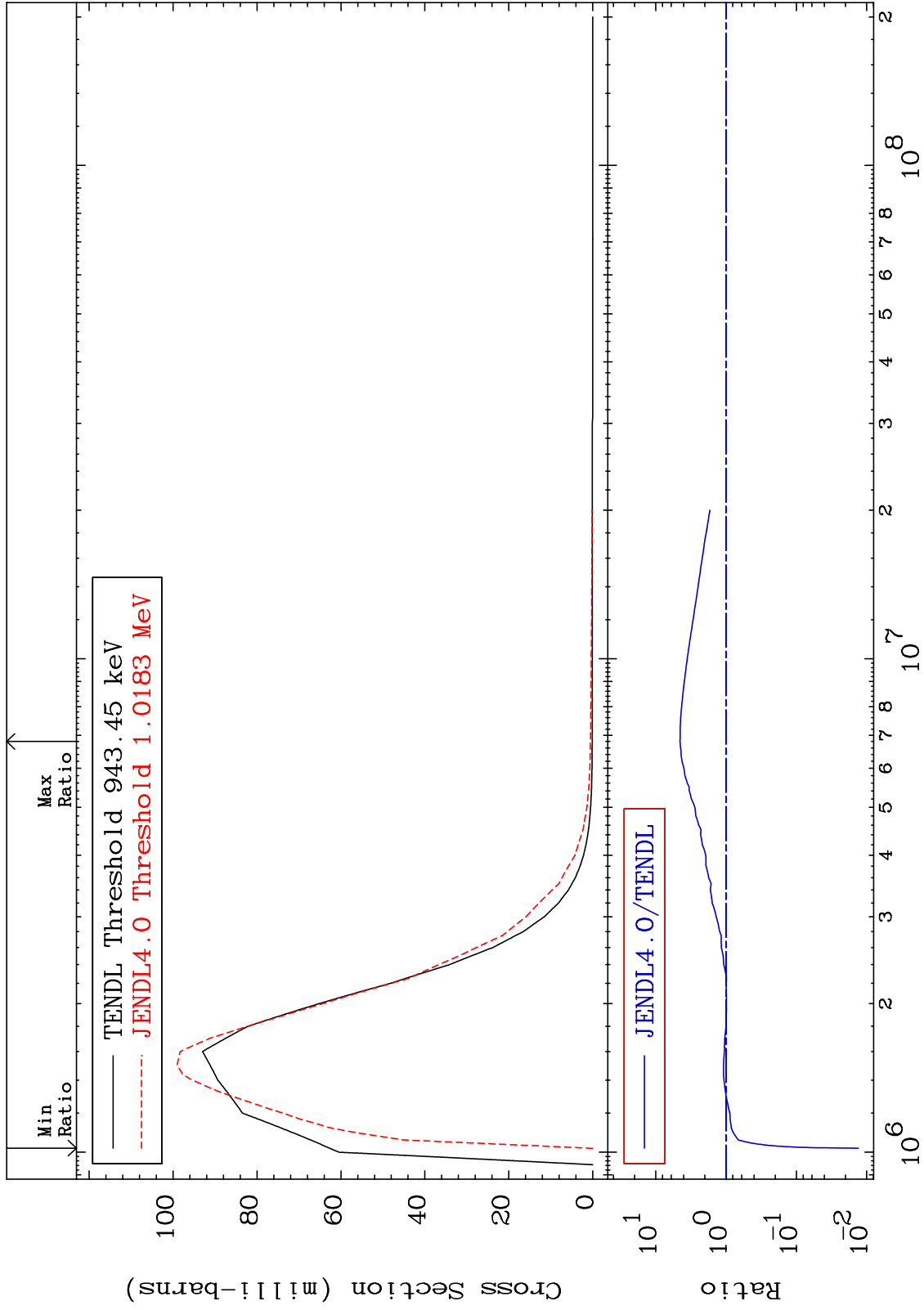


19 60-Nd-145

MAT 6034

MT= 59 (n,n') Level
Cross Section

60-Nd-145
-98.69 To 351.2 %

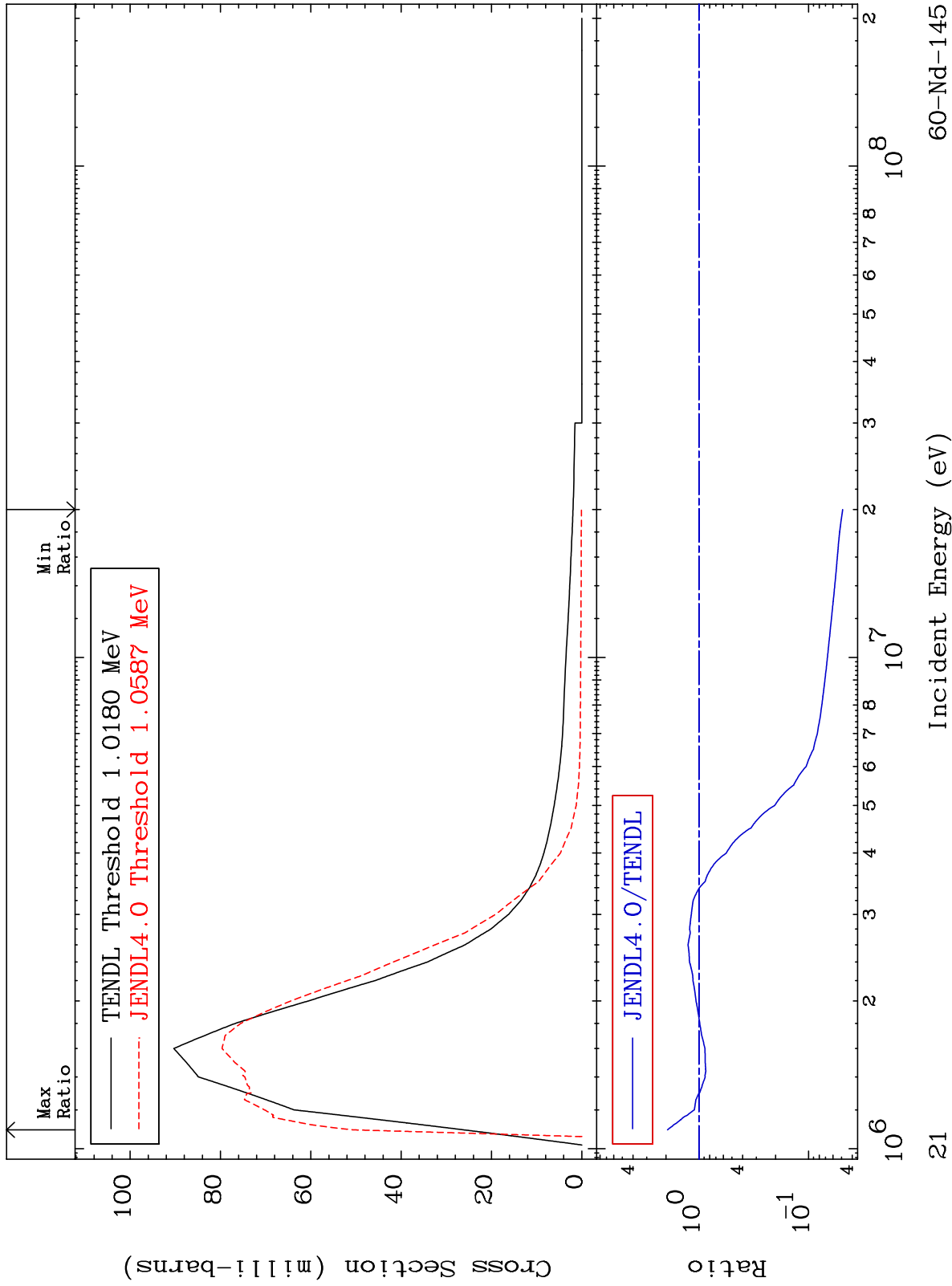


20 10⁶ 10⁷ 10⁸ 2 60-Nd-145

MAT 6034

MT= 60 (n,n') Level
Cross Section

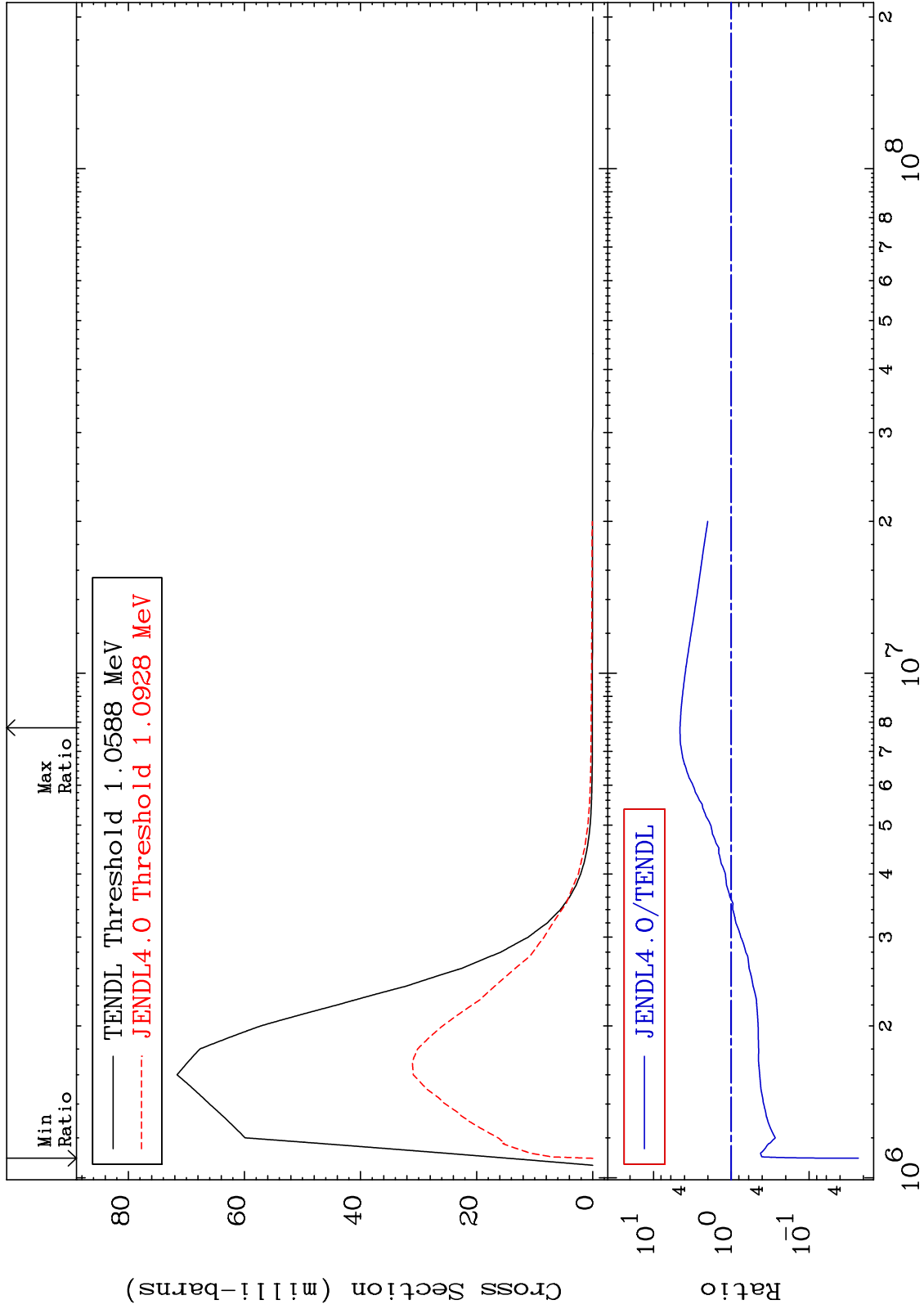
60-Nd-145
-95.11 To 93.59 %



MAT 6034

MT= 61 (n,n') Level
Cross Section

60-Nd-145
-97.68 To 356.2 %



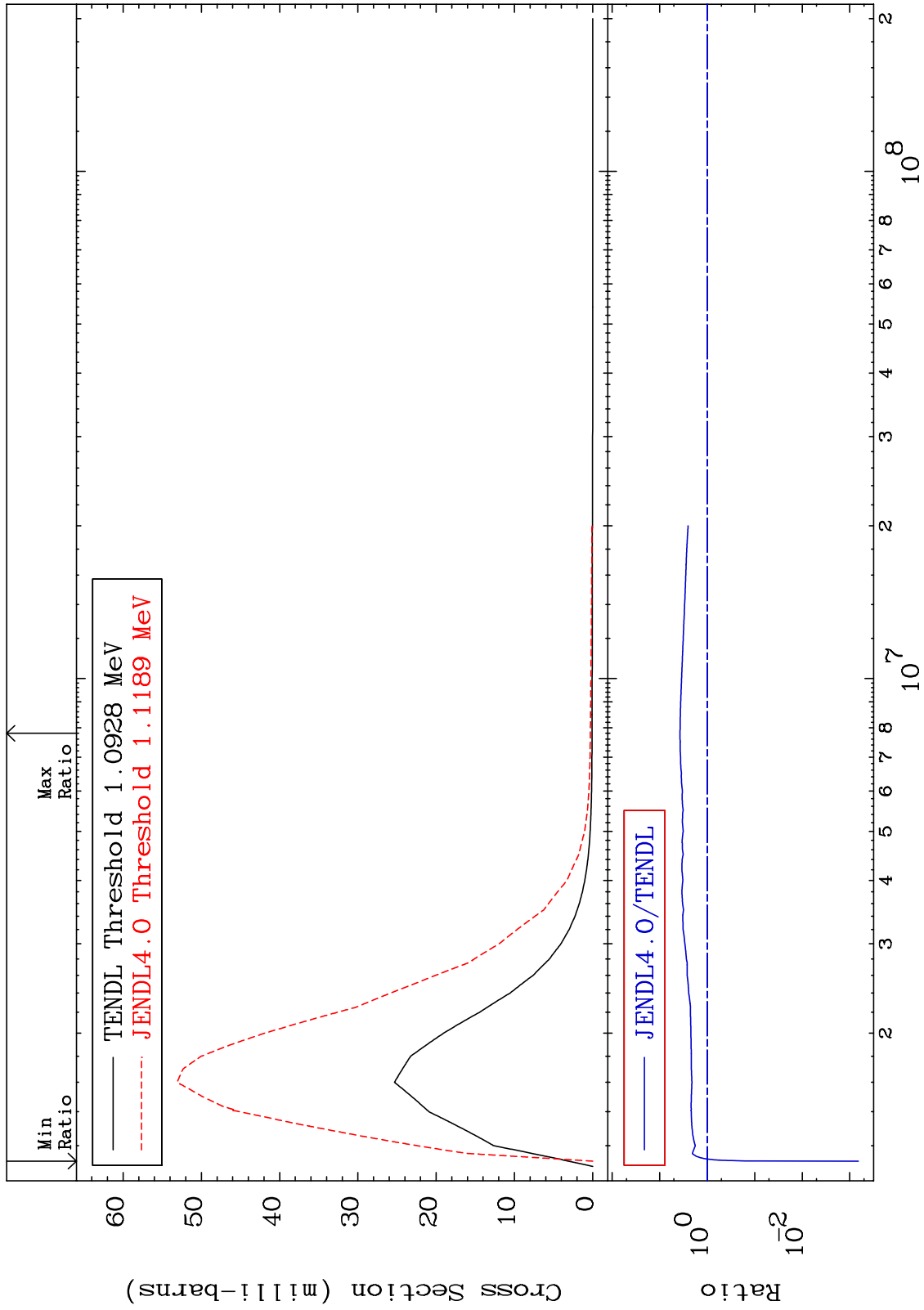
22

60-Nd-145

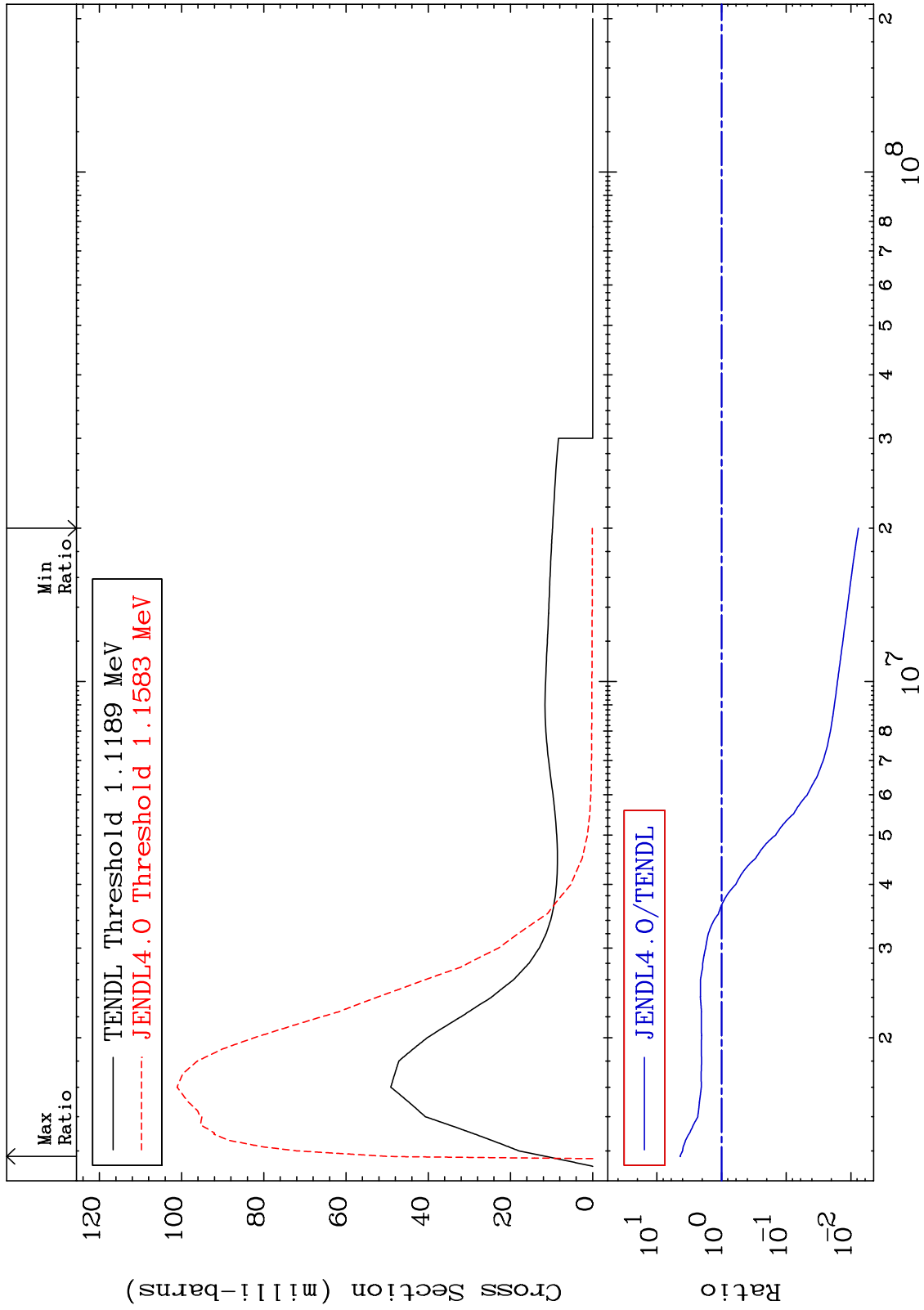
MAT 6034

MT= 62 (n,n') Level
Cross Section

60-Nd-145
-99.93 To 272.6 %



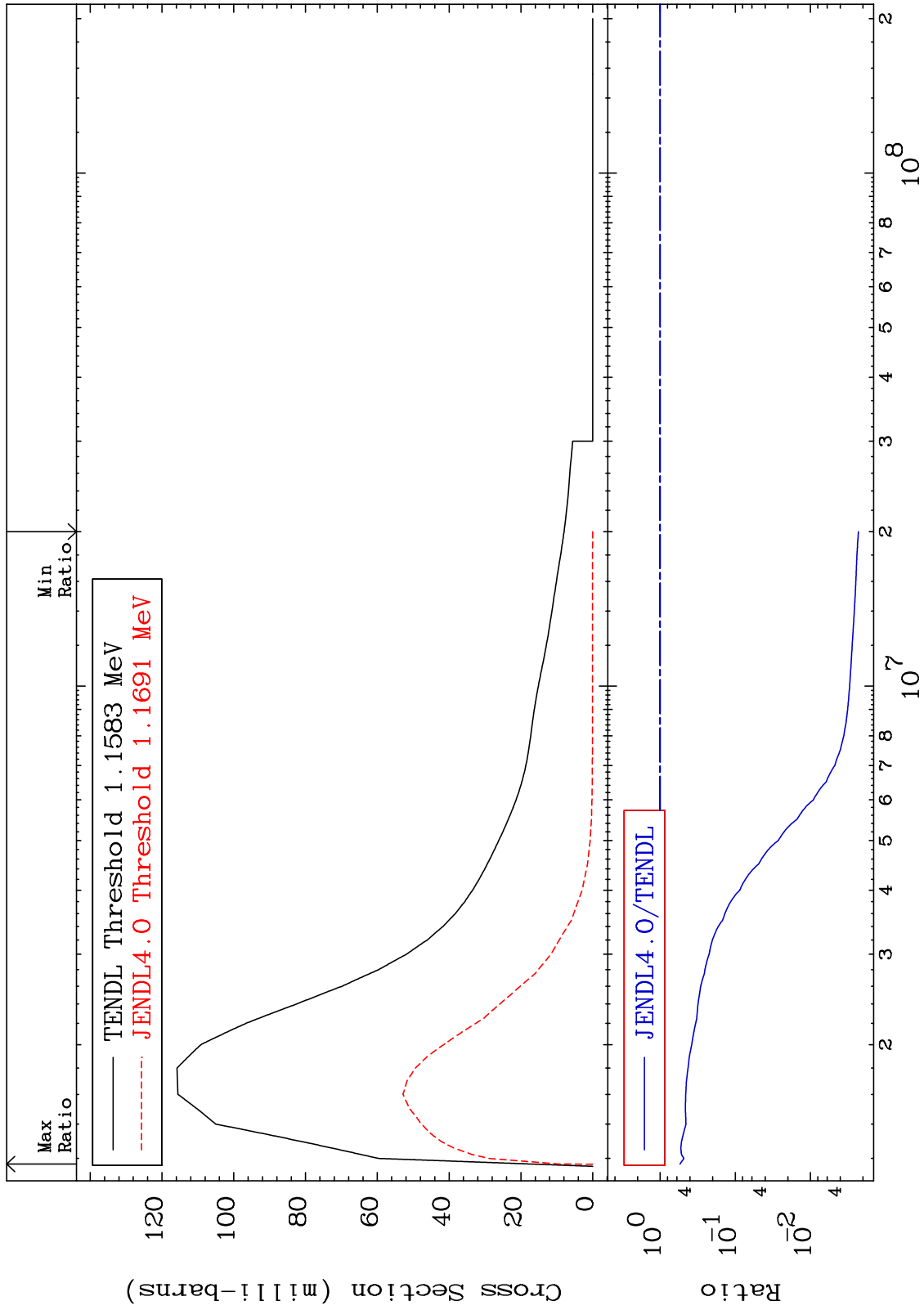
MAT 6034 MT= 63 (n,n') Level
 Cross Section 60-Nd-145
 -99.24 To 339.1 %



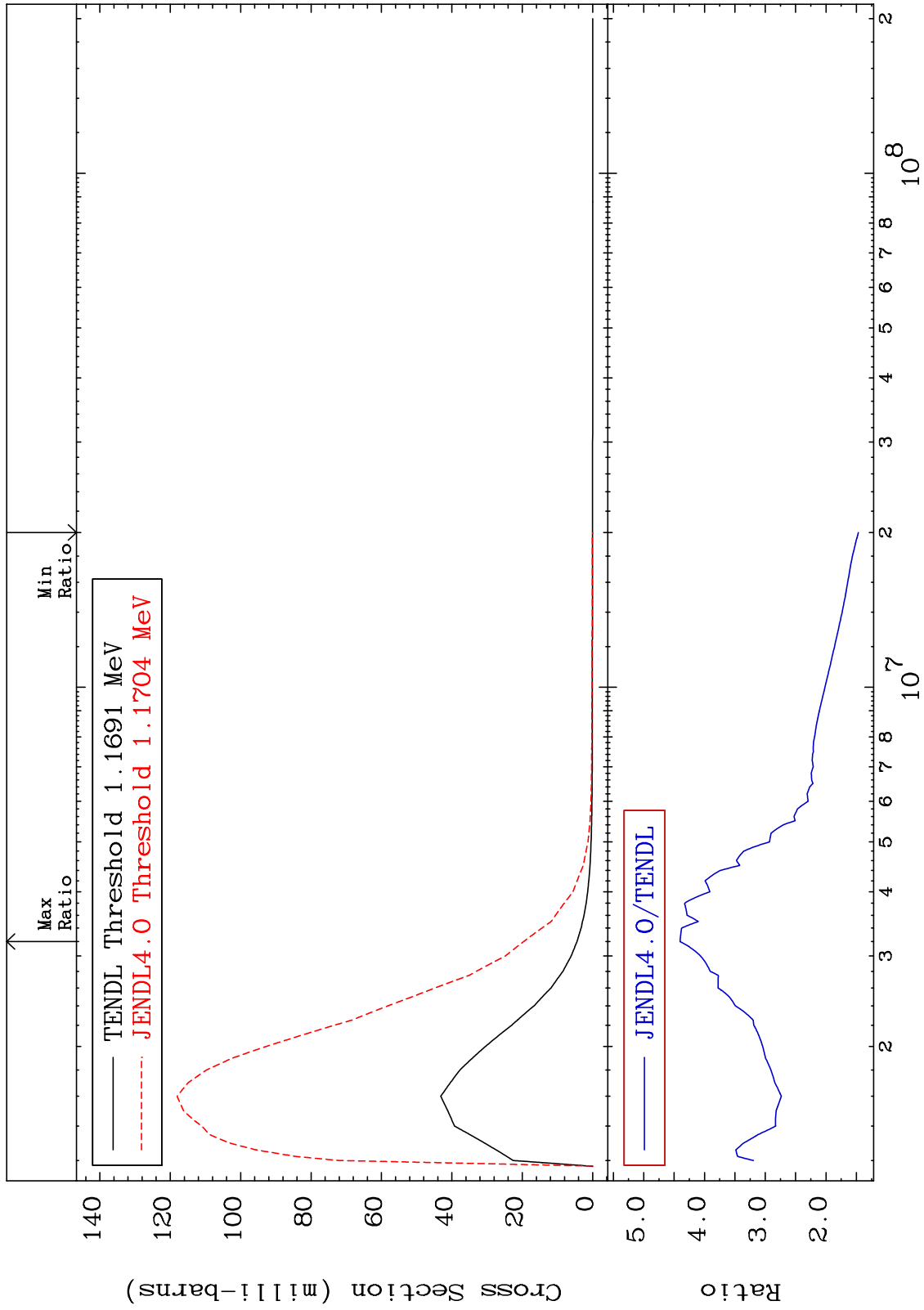
MAT 6034

MT= 64 (n,n') Level
Cross Section

60-Nd-145
-99.77 To -45.53%



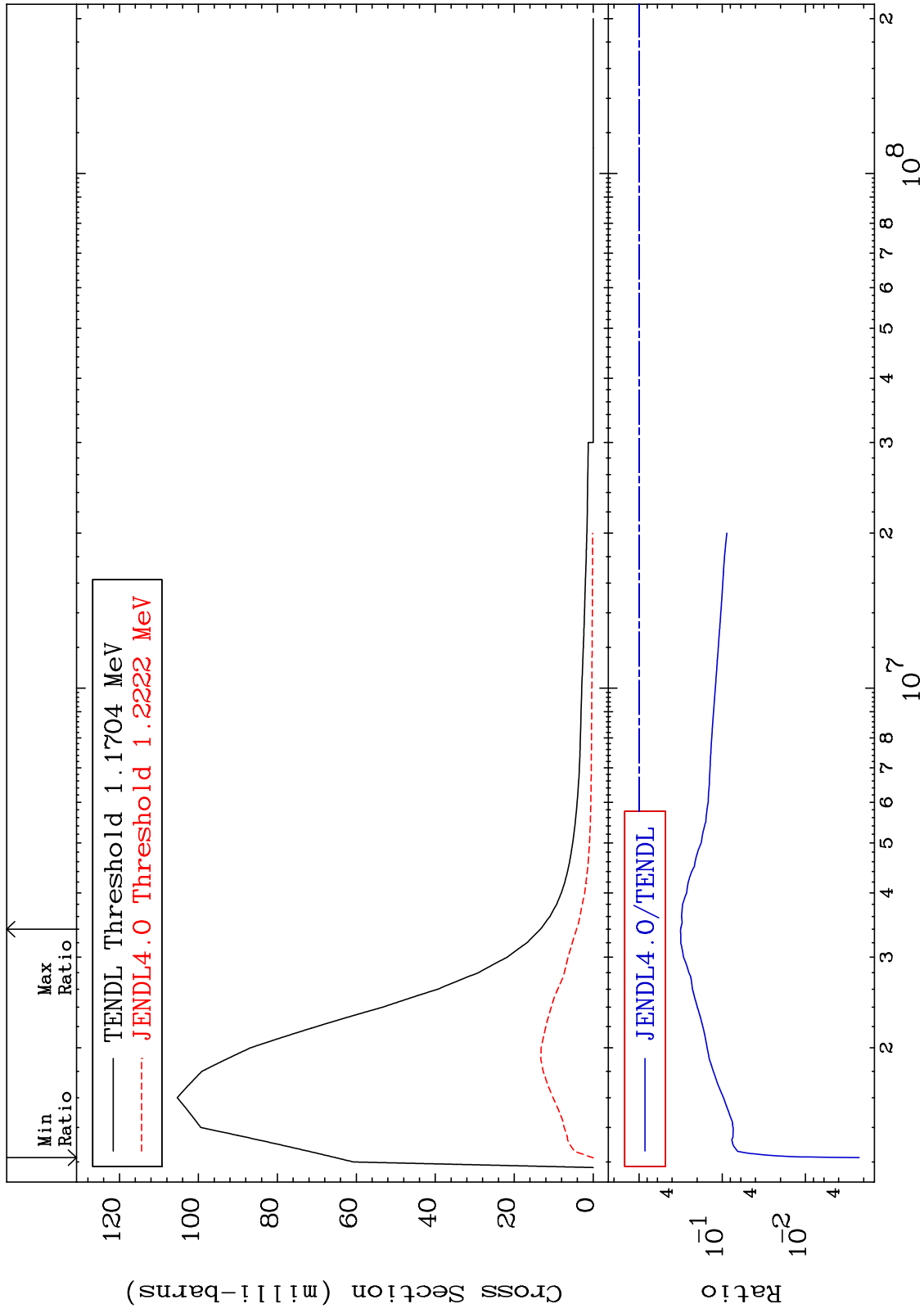
MAT 6034 MT= 65 (n,n') Level Cross Section 60-Nd-145 46.74 To 340.3 %



MAT 6034

MT= 66 (n,n') Level
Cross Section

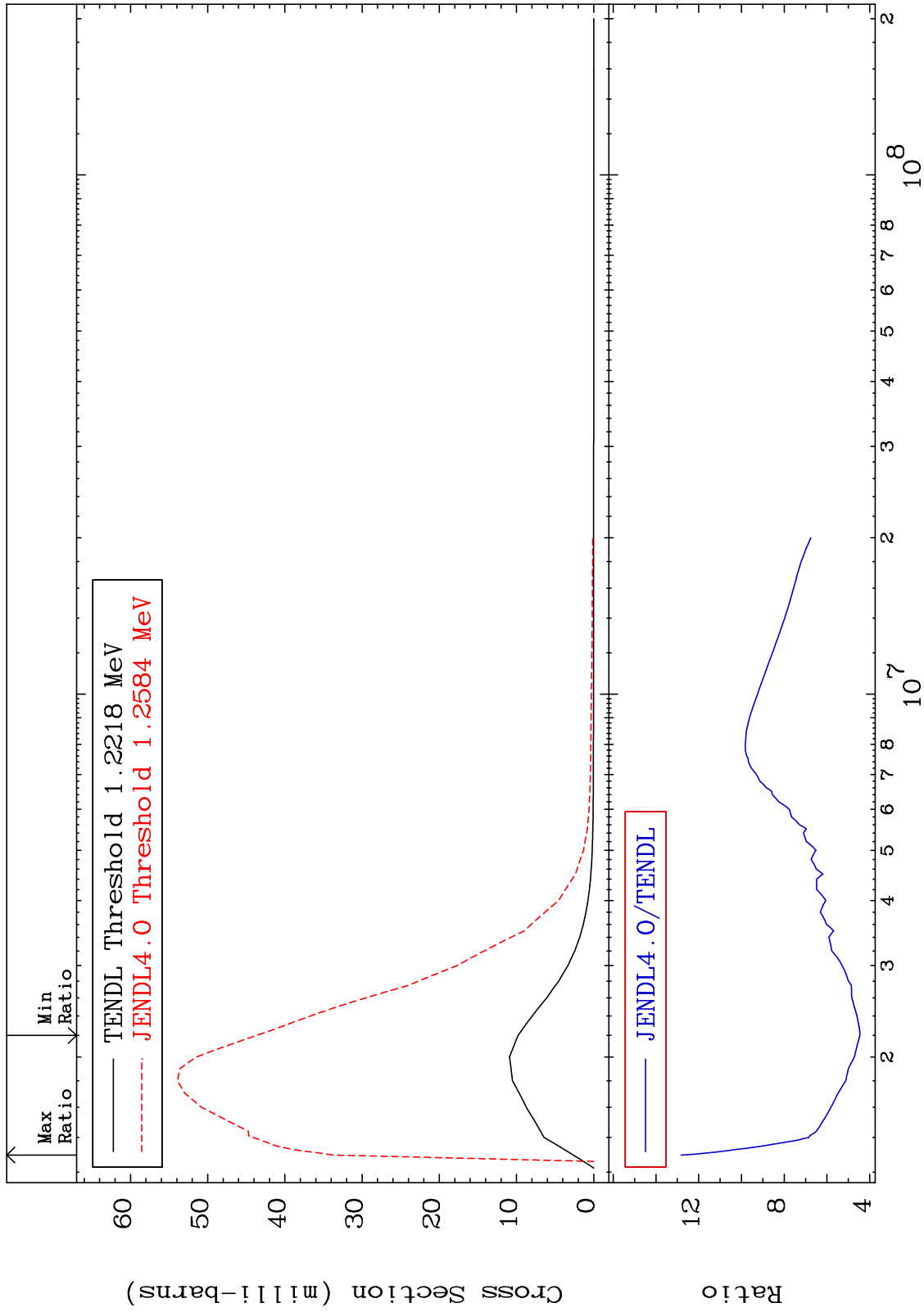
60-Nd-145
-99.77 To -68.38%



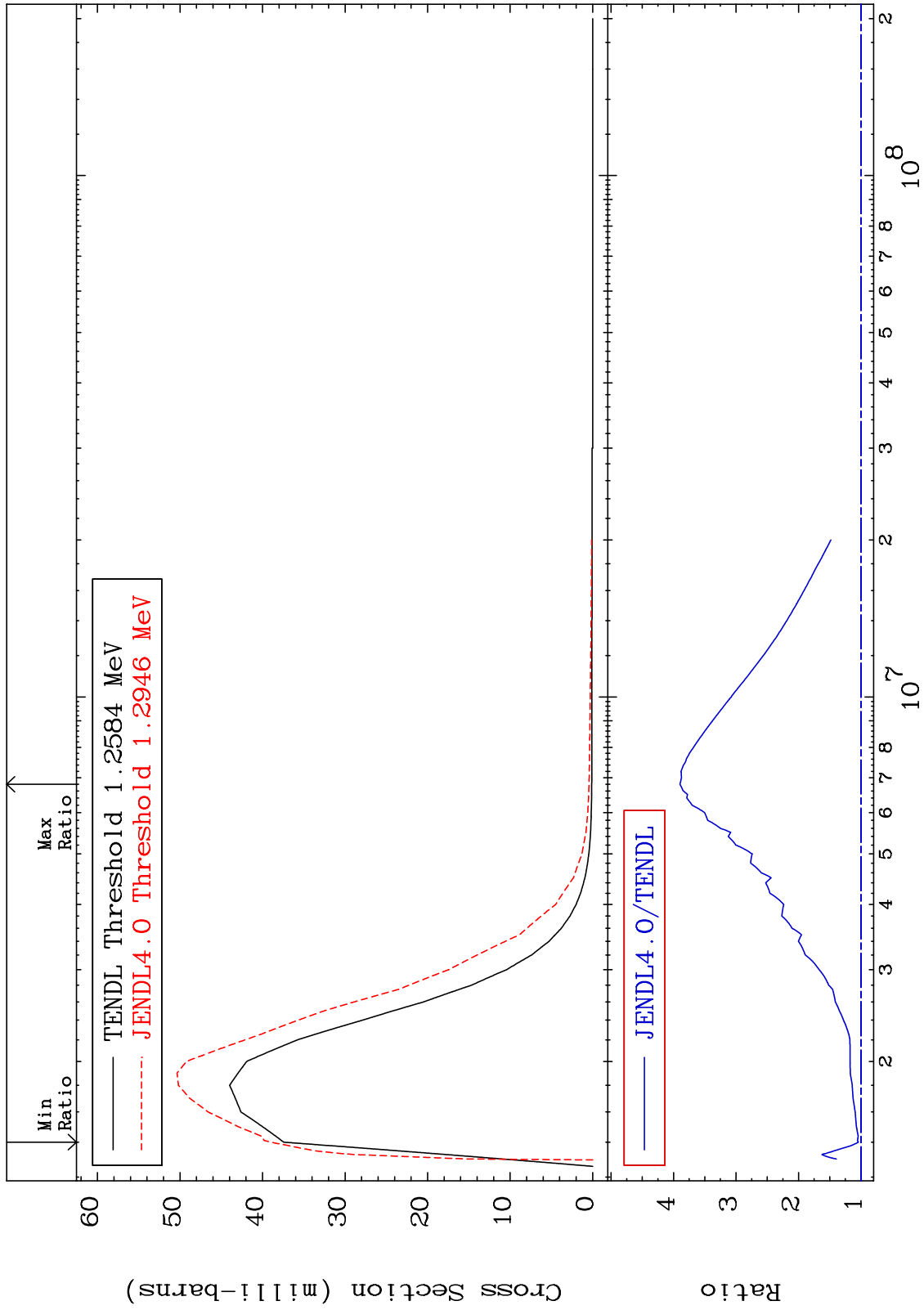
MAT 6034

MT= 67 (n,n') Level
Cross Section

60-Nd-145
345.9 To 1182. %



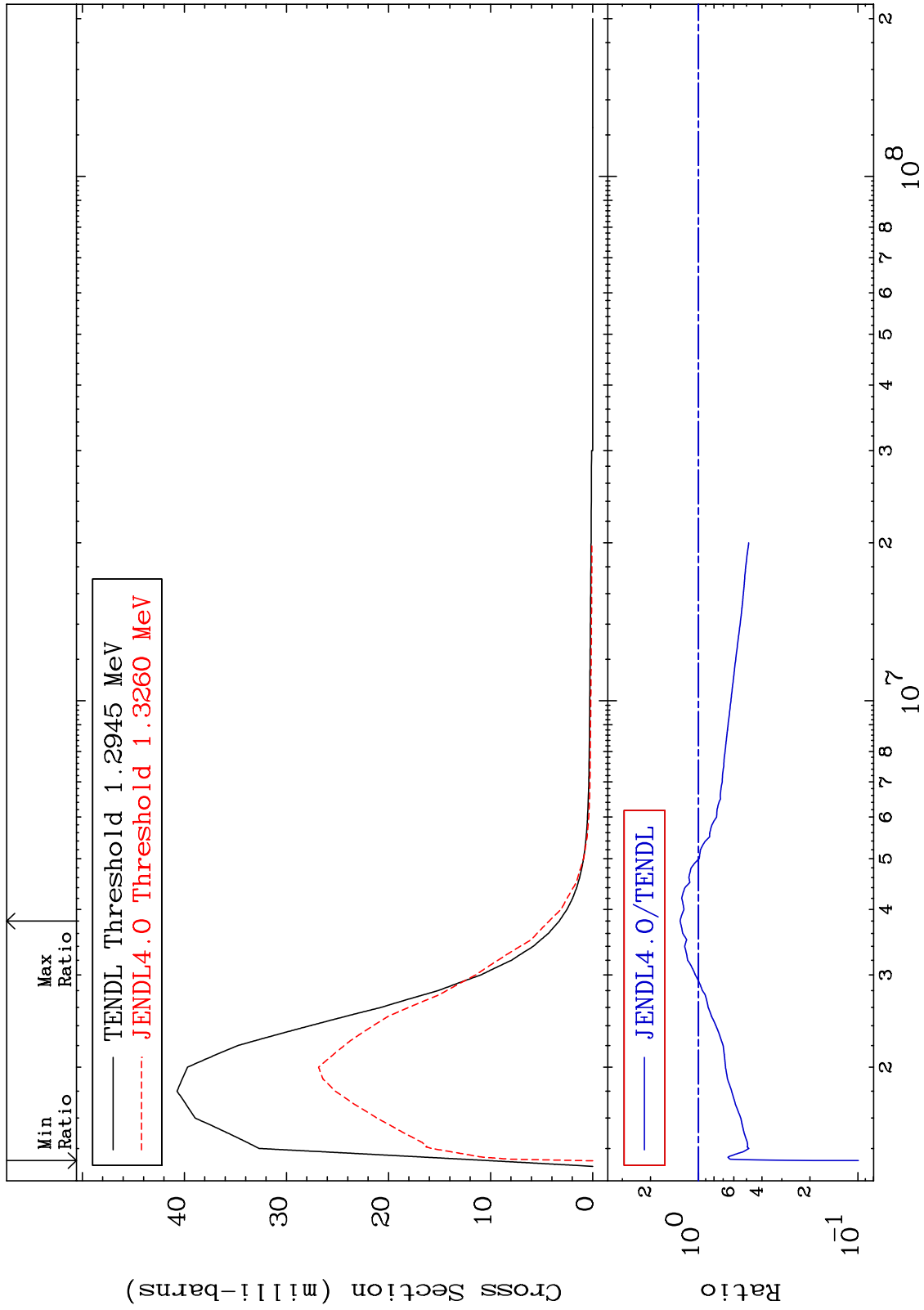
MAT 6034 MT= 68 (n,n') Level Cross Section 60-Nd-145 To 289.6 %
4.132



MAT 6034

MT= 69 (n,n') Level
Cross Section

60-Nd-145
-90.07 To 30.44 %



30

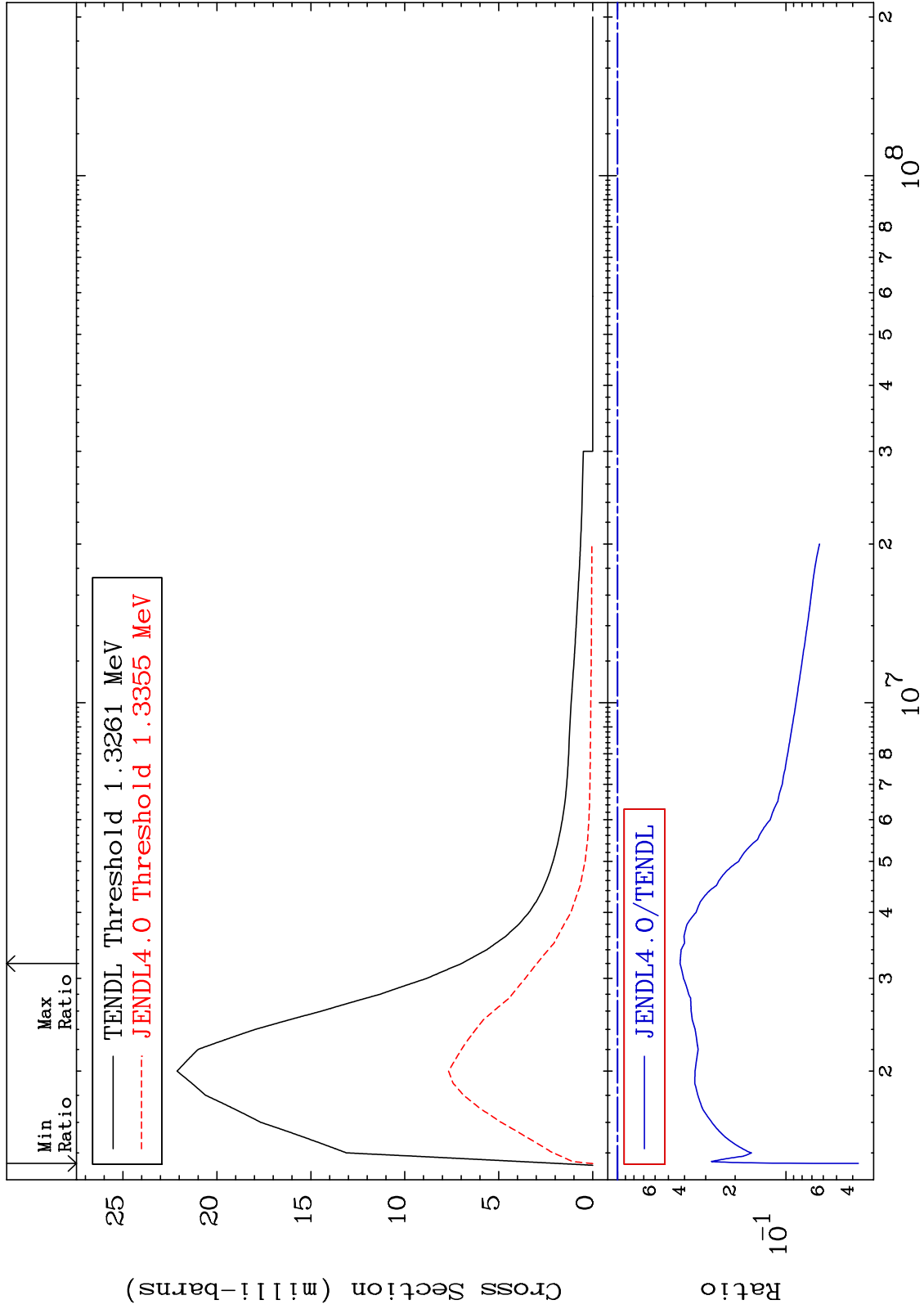
Incident Energy (eV)

60-Nd-145

MAT 6034

MT= 70 (n,n') Level
Cross Section

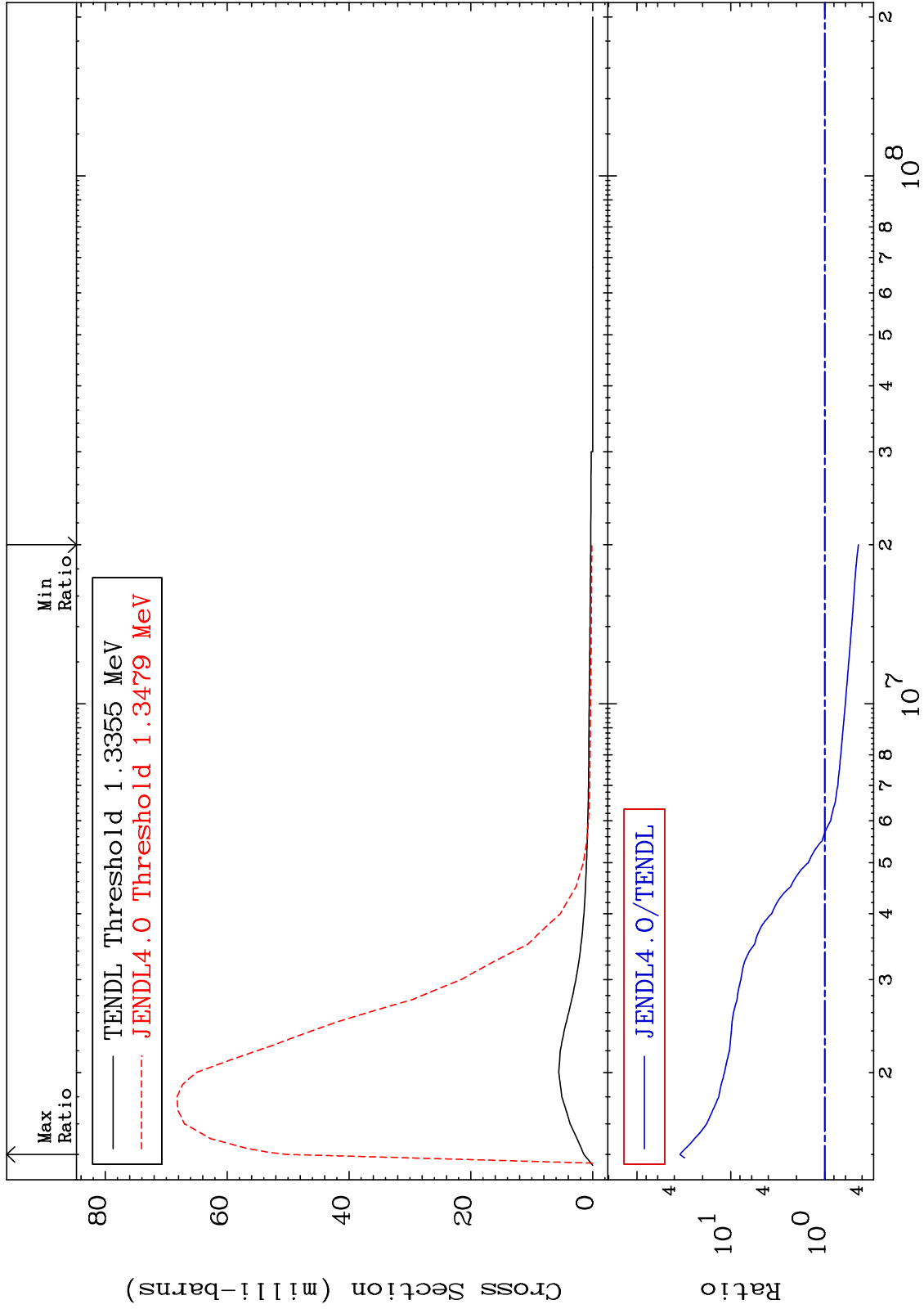
60-Nd-145
-96.30 To -57.41%



MAT 6034

MT= 71 (n,n') Level
Cross Section

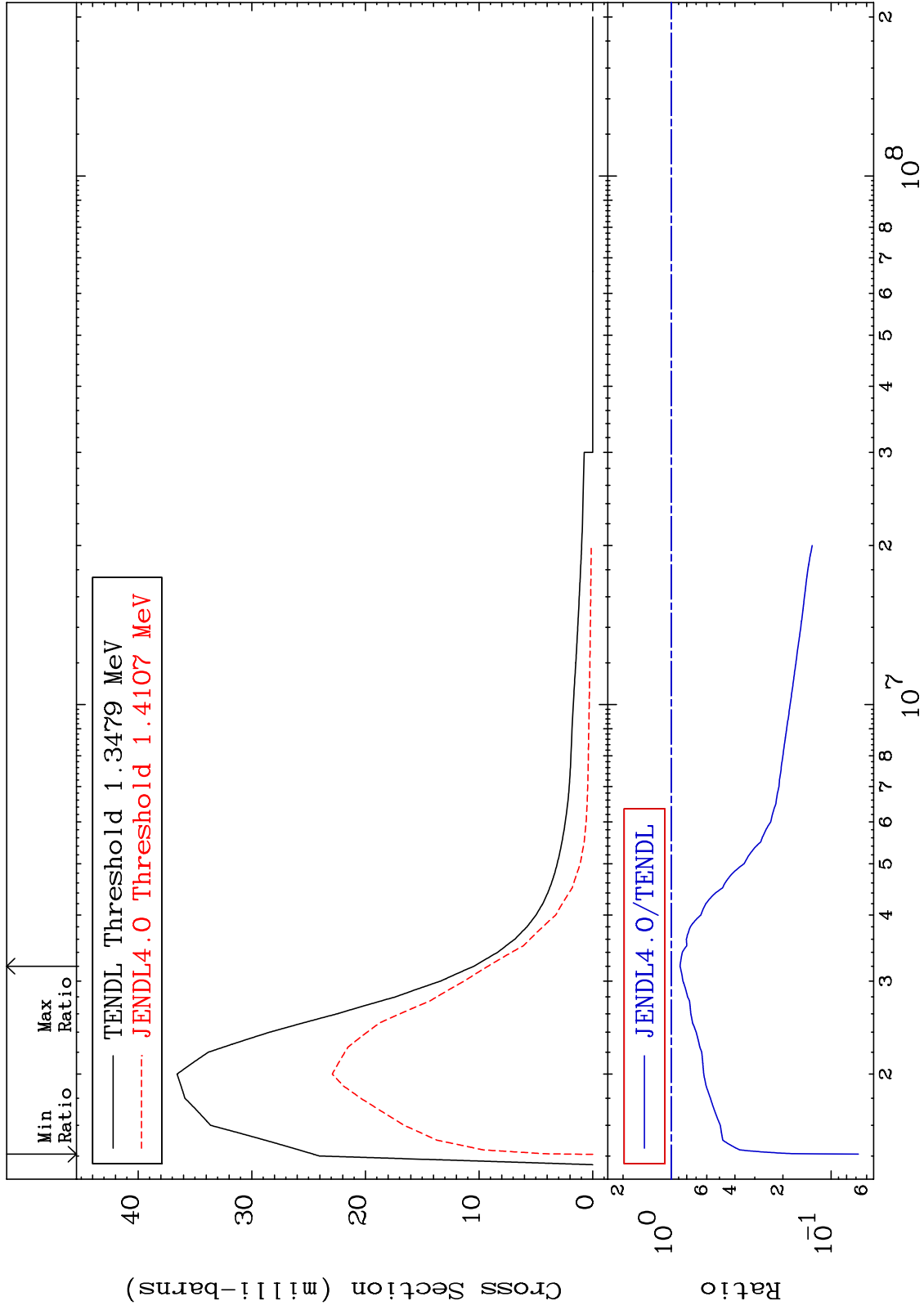
60-Nd-145
-56.18 To 3378. %



MAT 6034

MT= 72 (n,n') Level
Cross Section

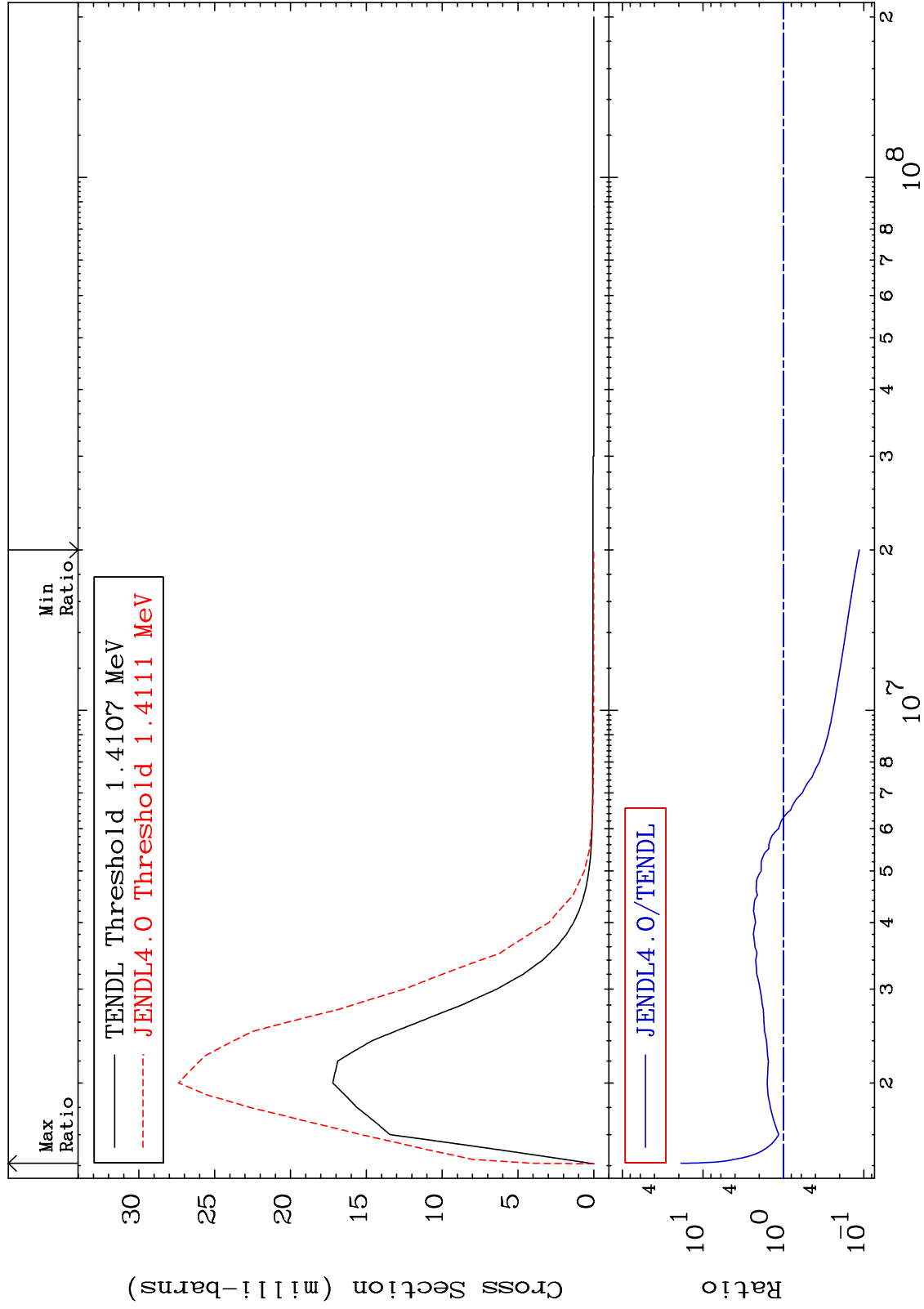
60-Nd-145
-93.25 To -11.87%



MAT 6034

MT= 73 (n,n') Level
Cross Section

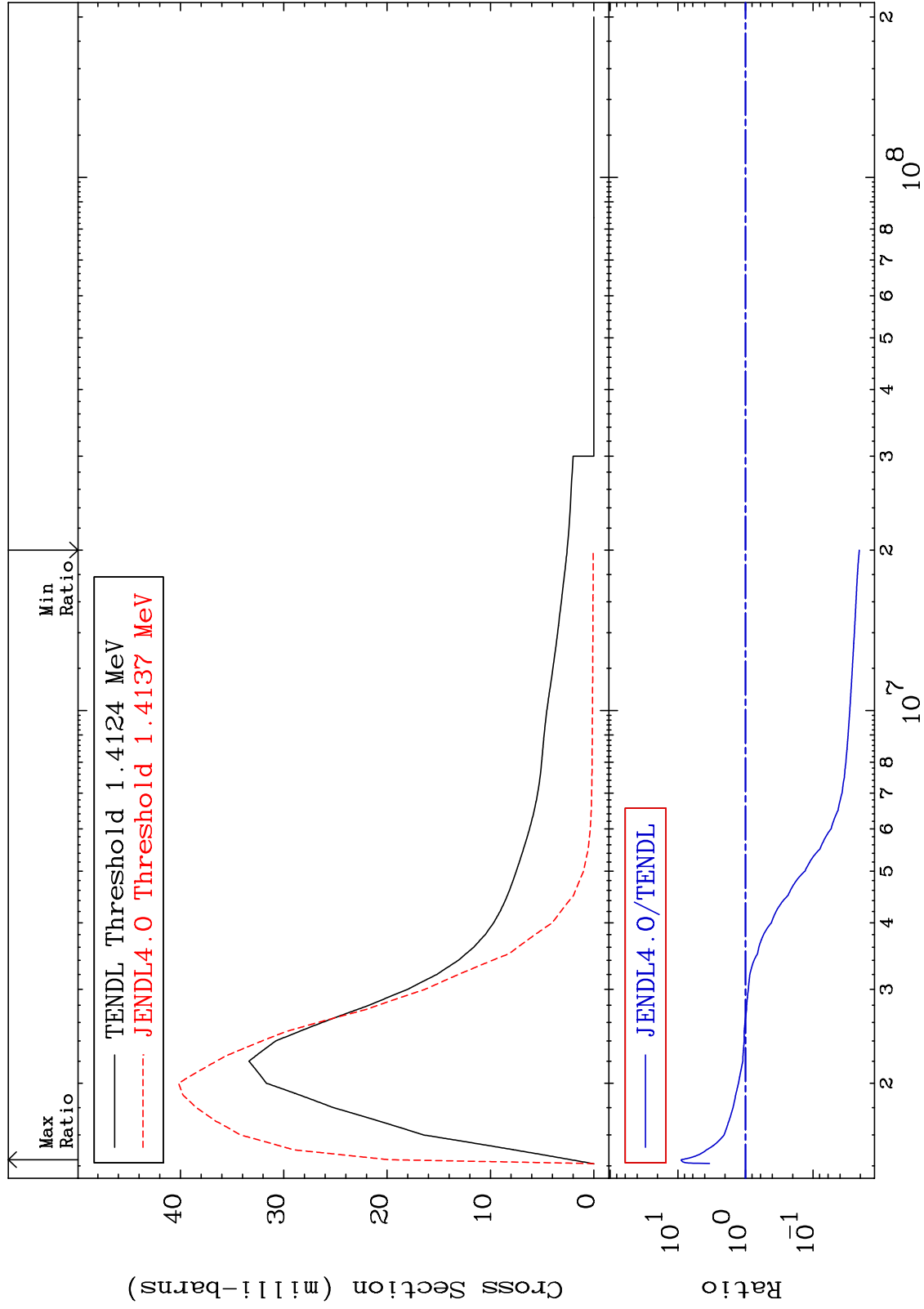
60-Nd-145
-88.59 To 1770. %



MAT 6034

MT= 74 (n,n') Level
Cross Section

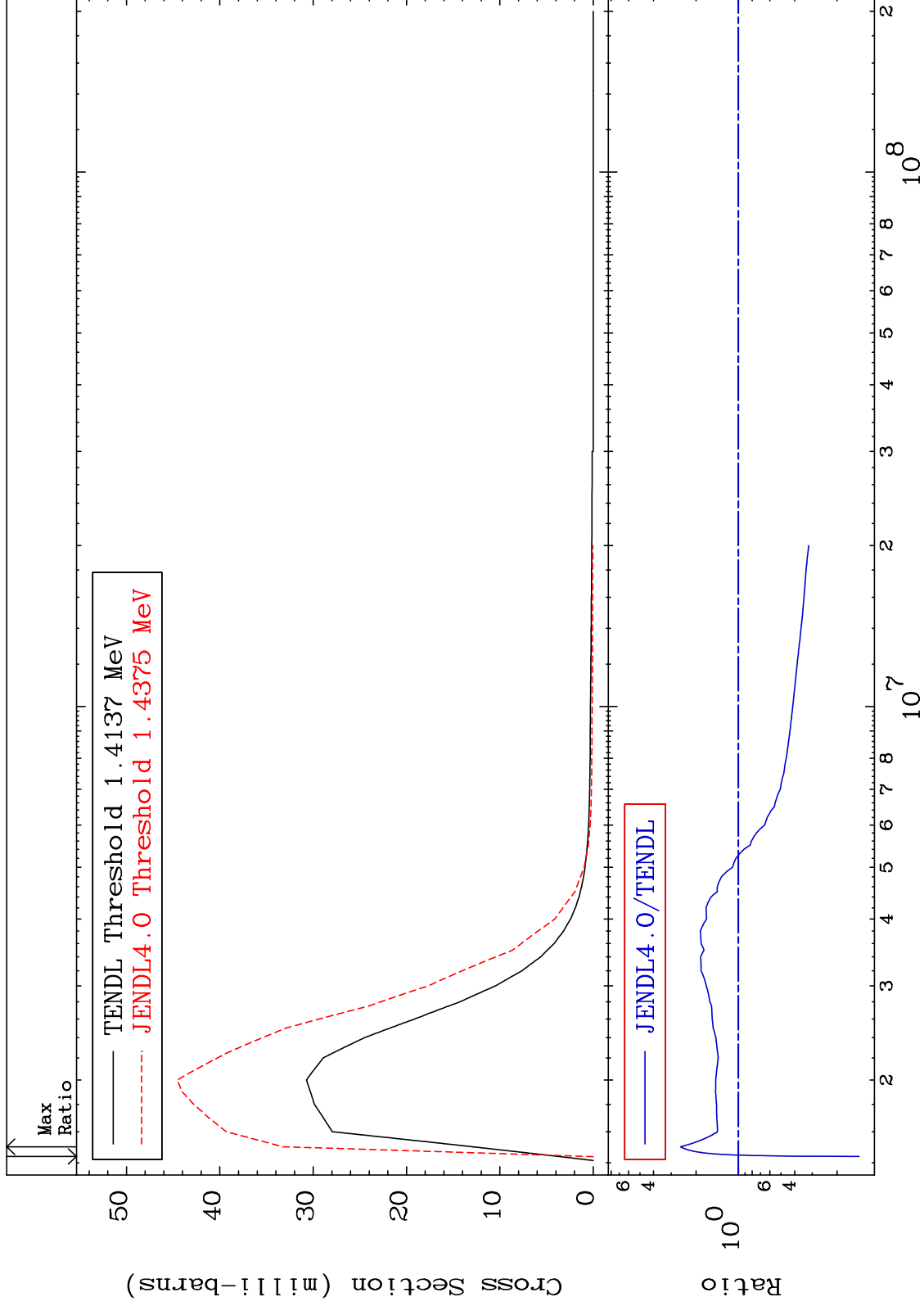
60-Nd-145
-97.93 To 796.0 %



MAT 6034

MT= 75 (n,n') Level
Cross Section

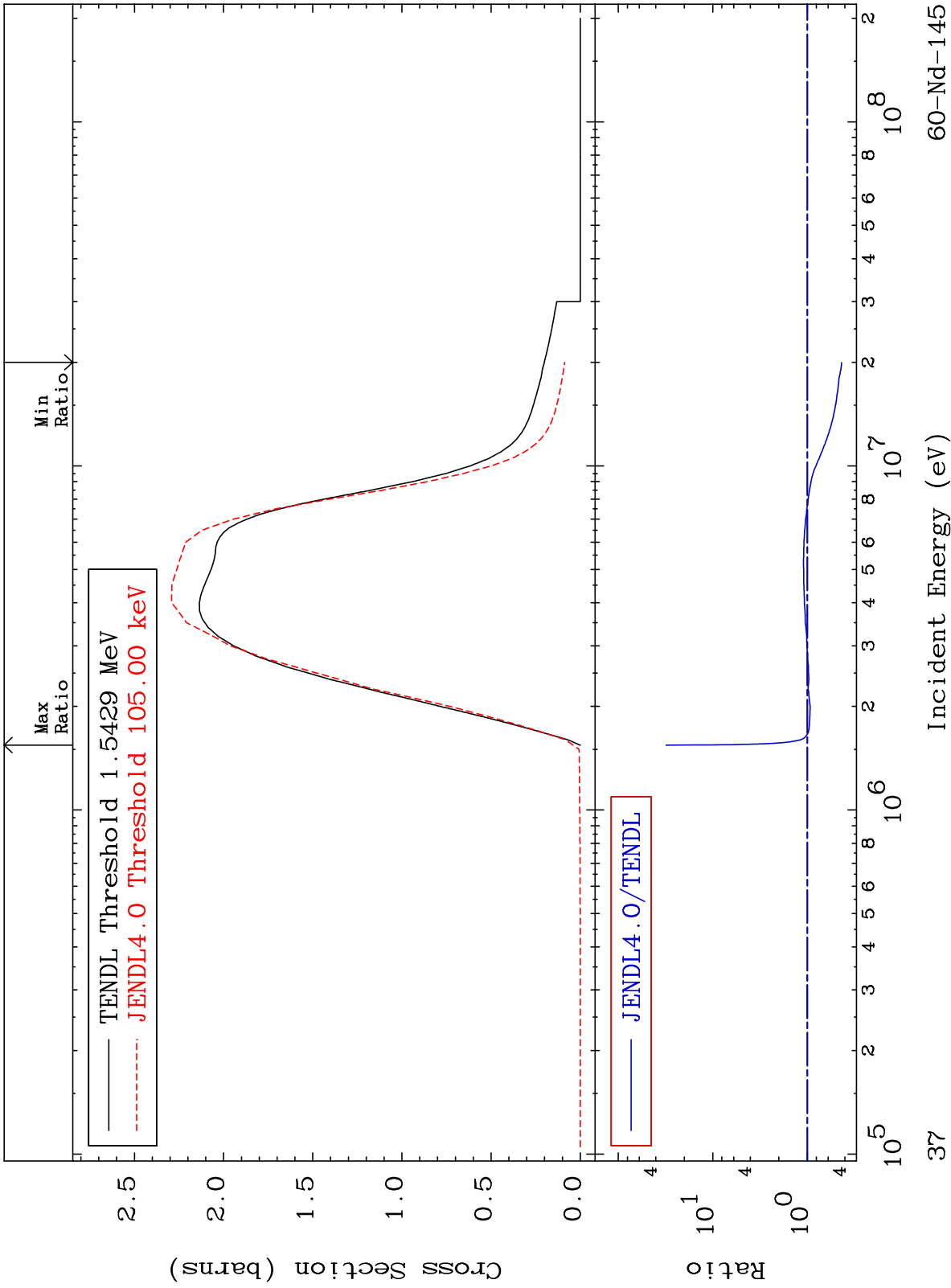
60-Nd-145
-86.04 To 157.1 %



MAT 6034

(n, n') Continuum
Cross Section

60-Nd-145
-56.58 To 3014. %



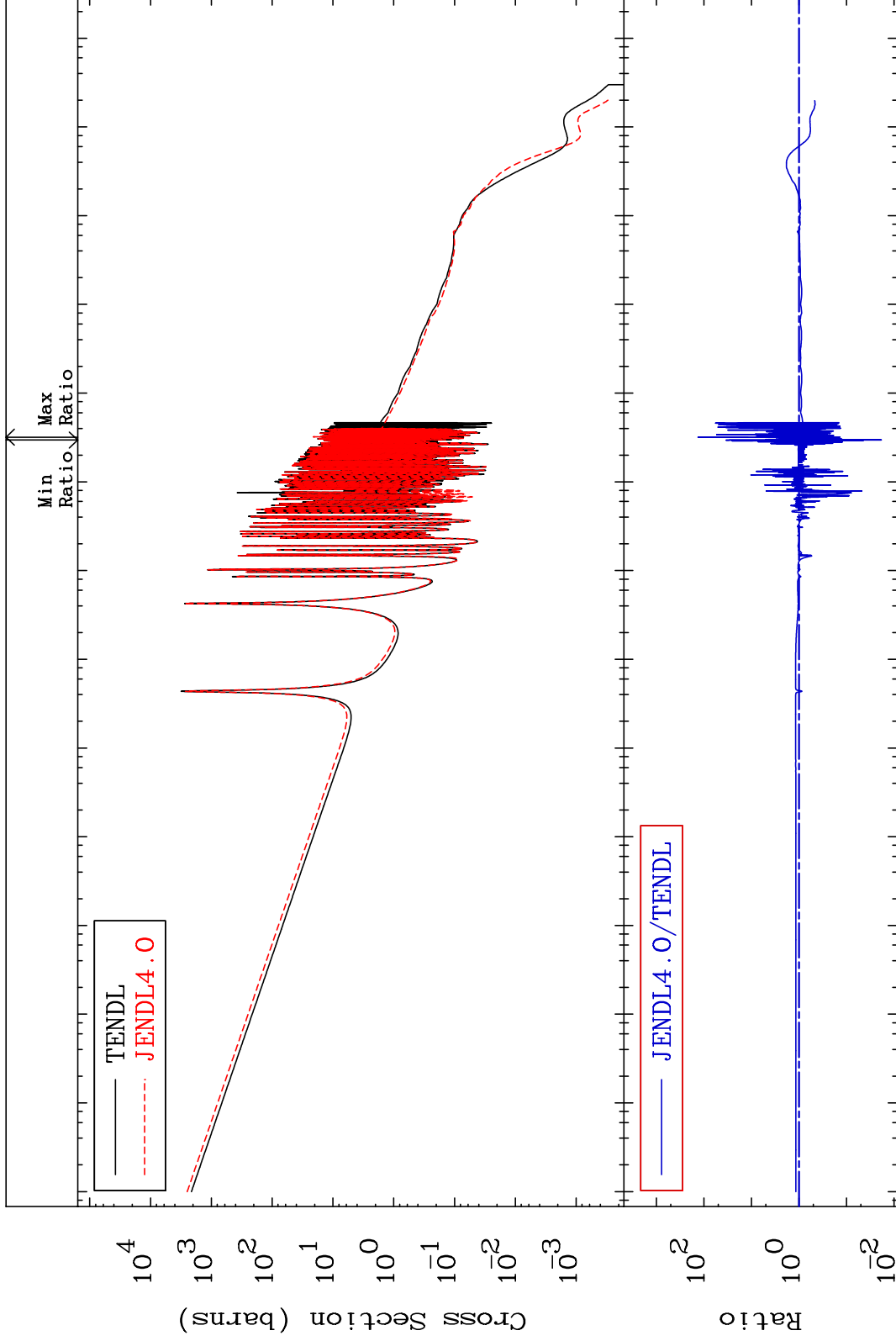
MAT 6034

(n, γ)

60-Nd-145

Cross Section

-98.16 To 9999. %



10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

10²
10⁰
10⁻²

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

60-Nd-145

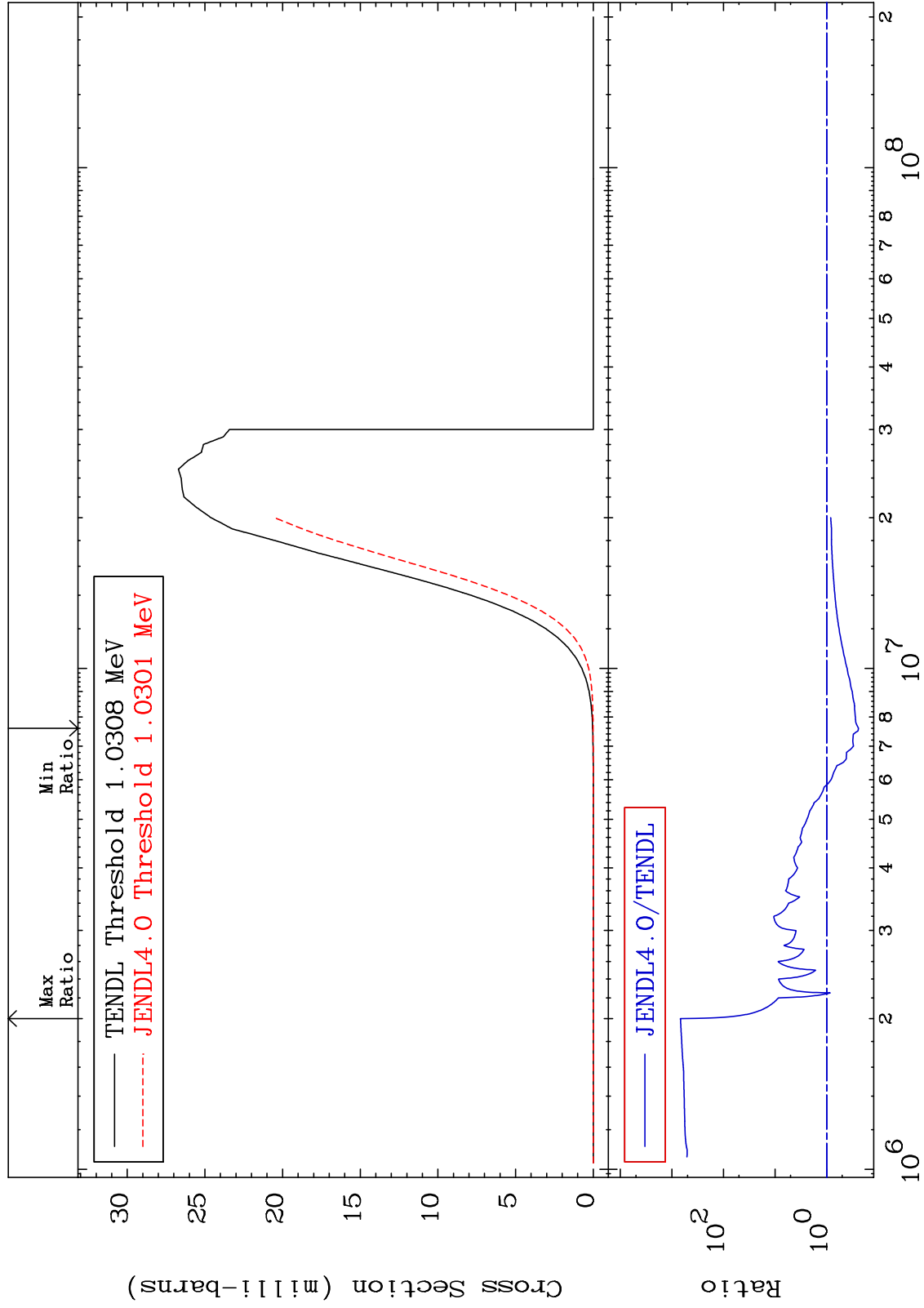
MAT 6034

(n,p)

60-Nd-145

Cross Section

-75.91 To 9999. %



39

Incident Energy (eV)

60-Nd-145

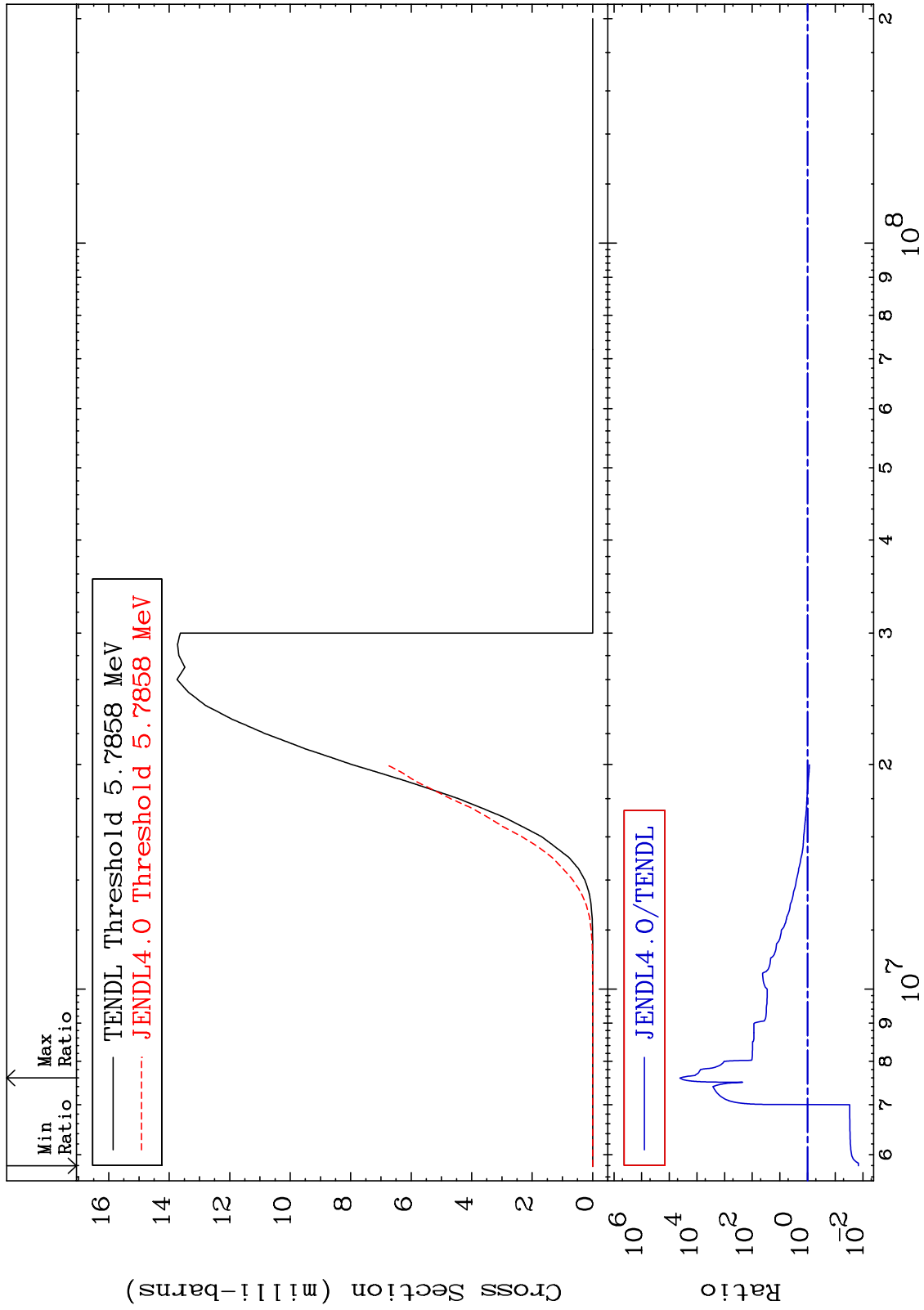
MAT 6034

(n,d)

60-Nd-145

Cross Section

-98.55 To 9999. %

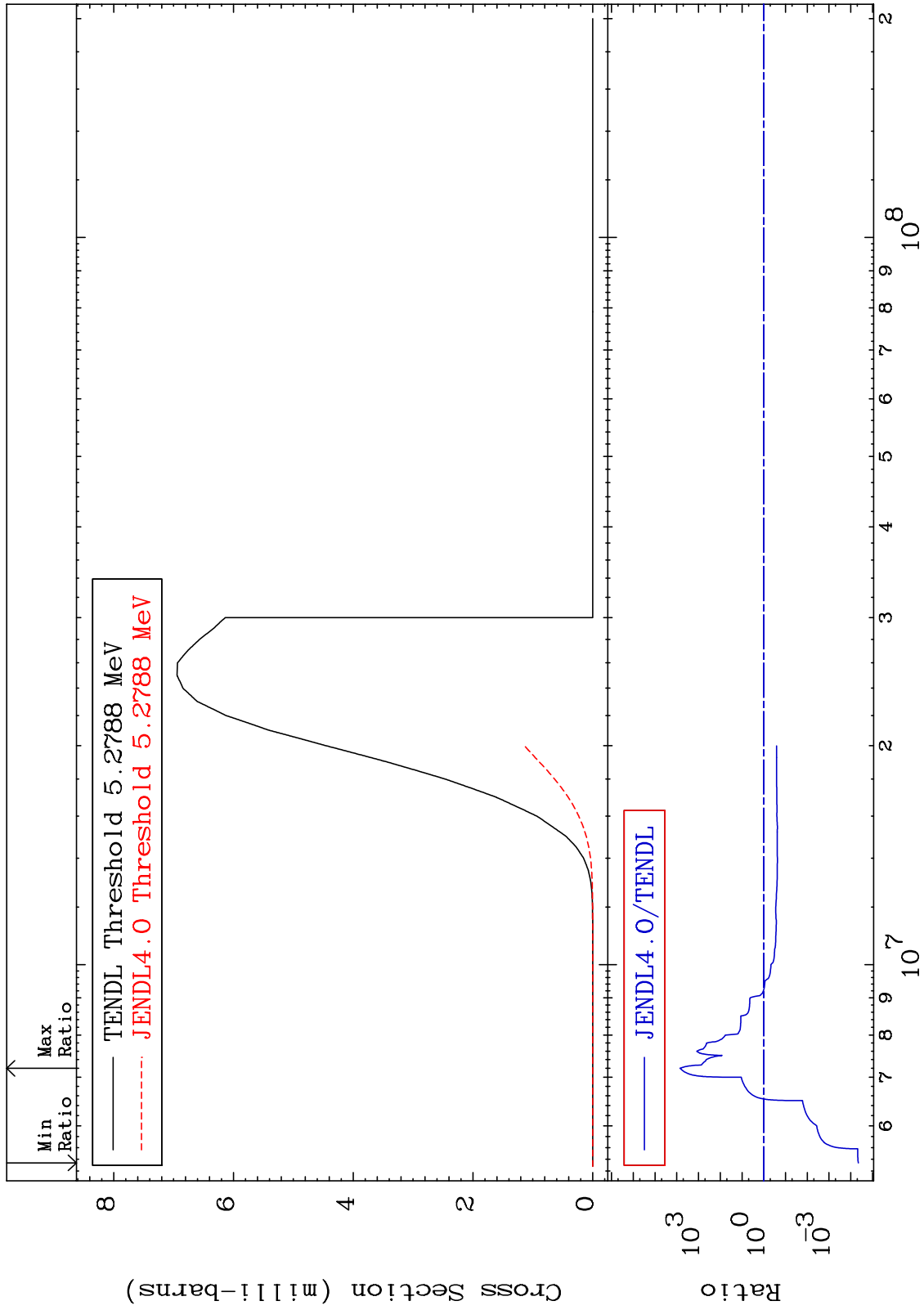


40

Incident Energy (eV)

60-Nd-145

MAT 6034 (n, t) Cross Section 60-Nd-145 -100.0 To 9999. %



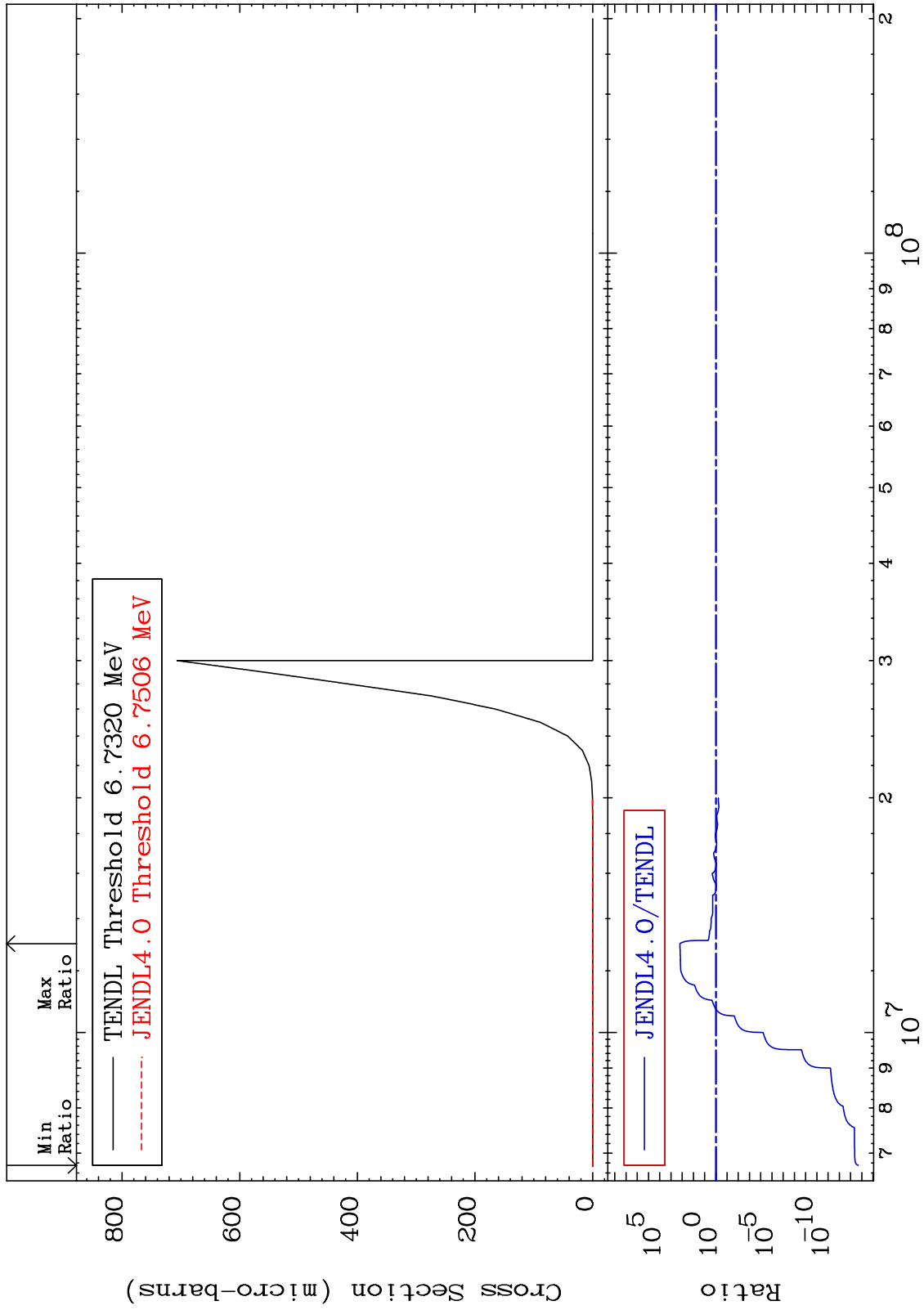
MAT 6034

(n, He-3)

60-Nd-145

Cross Section

-100.0 To 9999. %



42

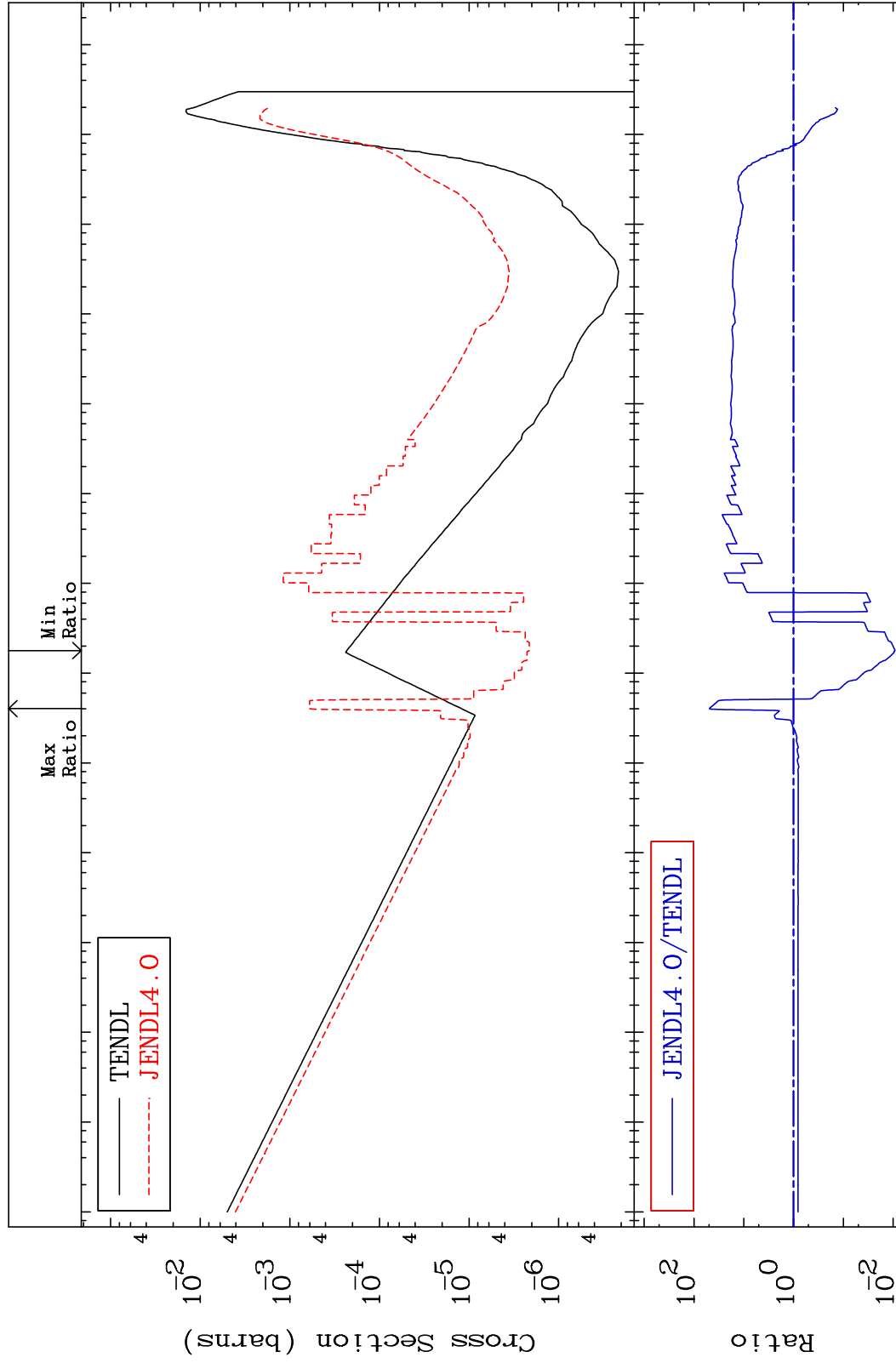
Incident Energy (eV)

60-Nd-145

MAT 6034

(n, α)
Cross Section

60-Nd-145
-99.08 To 4817. %



43

Incident Energy (eV)

60-Nd-145

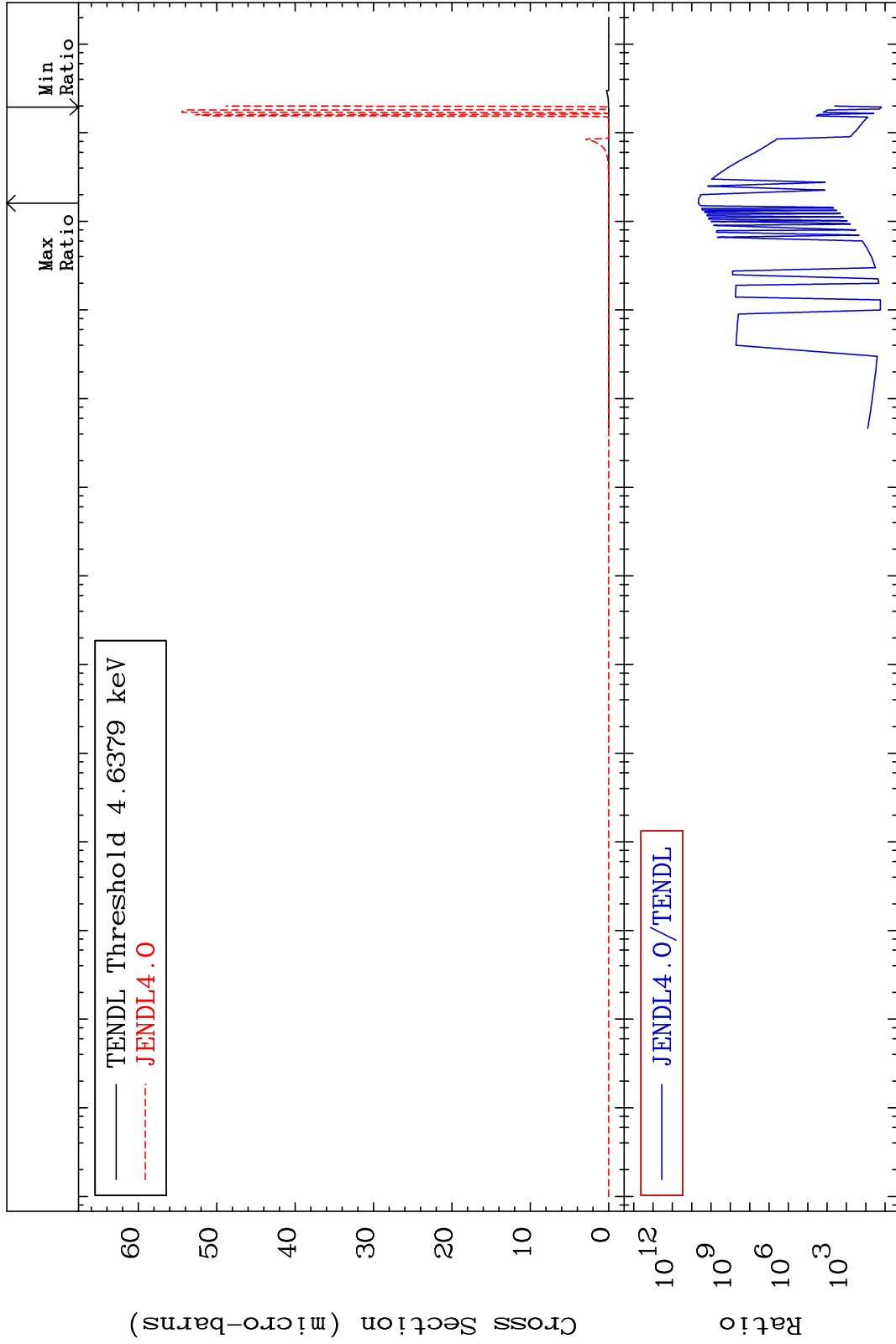
MAT 6034

(n,2α)

60-Nd-145

Cross Section

1425. To 9999. %



Incident Energy (eV)

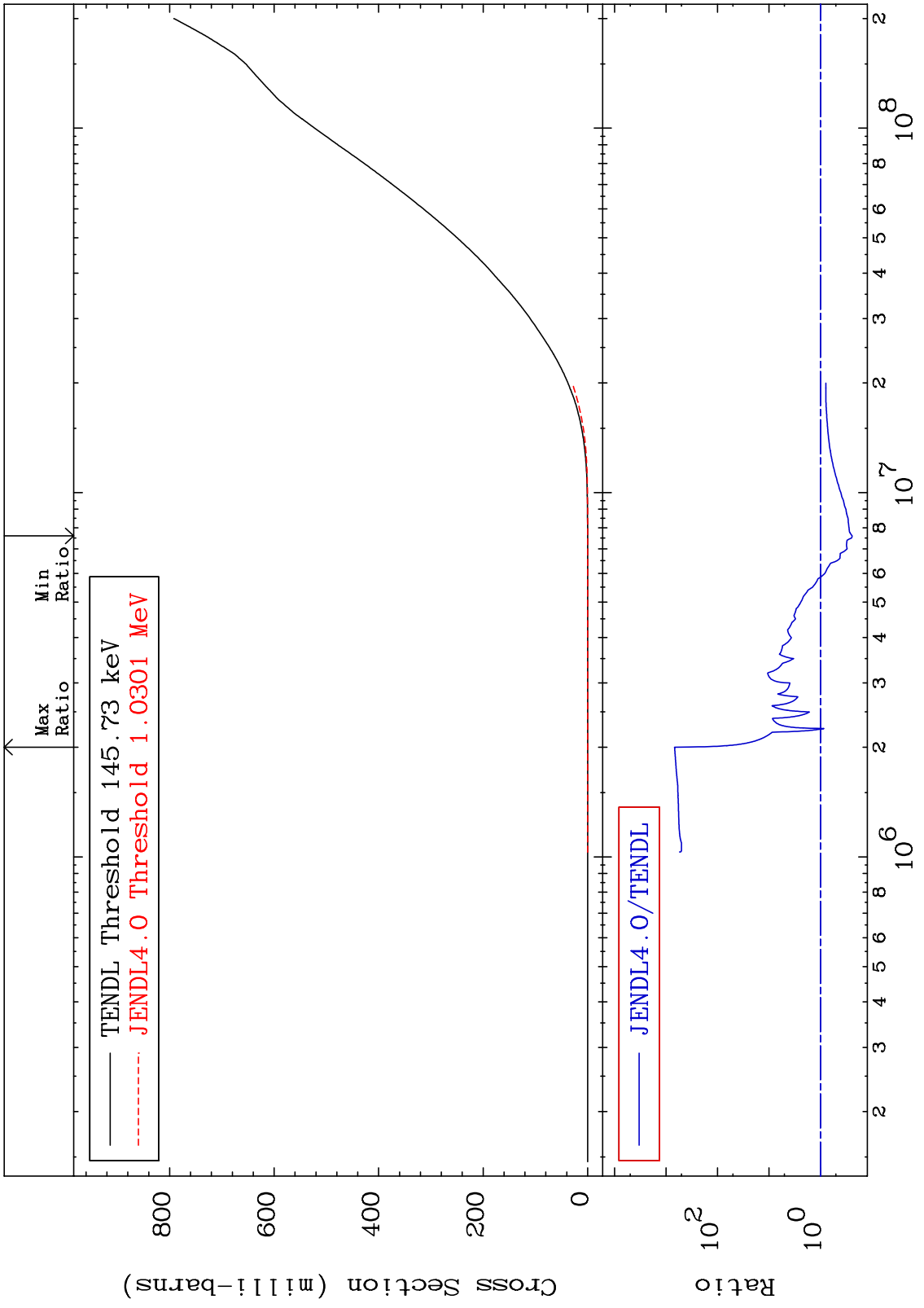
44

60-Nd-145

MAT 6034

Hydrogen Production
Cross Section

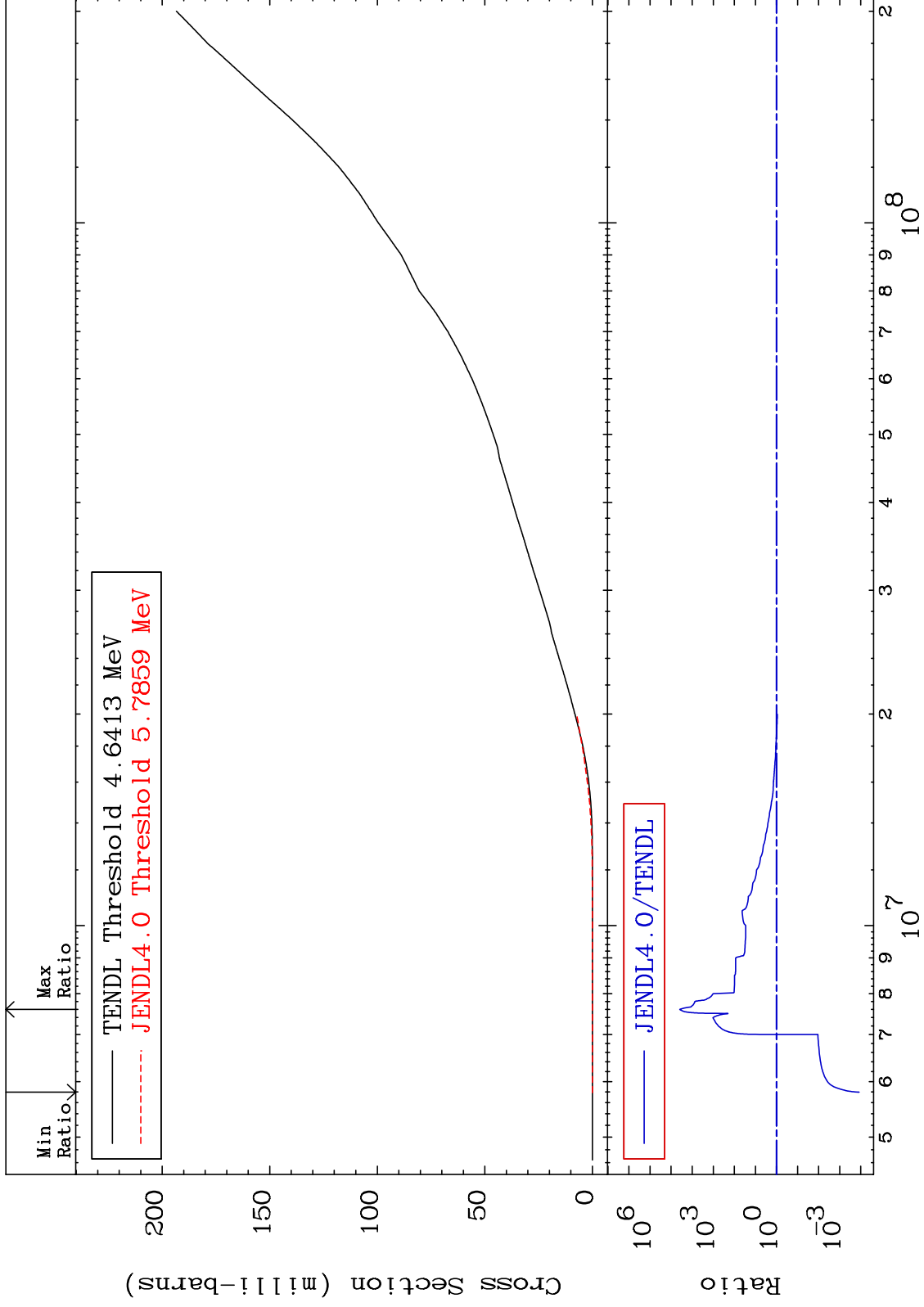
60-Nd-145
-75.91 To 9999. %



MAT 6034

Deuterium Production
Cross Section

60-Nd-145
-99.99 To 9999. %



46

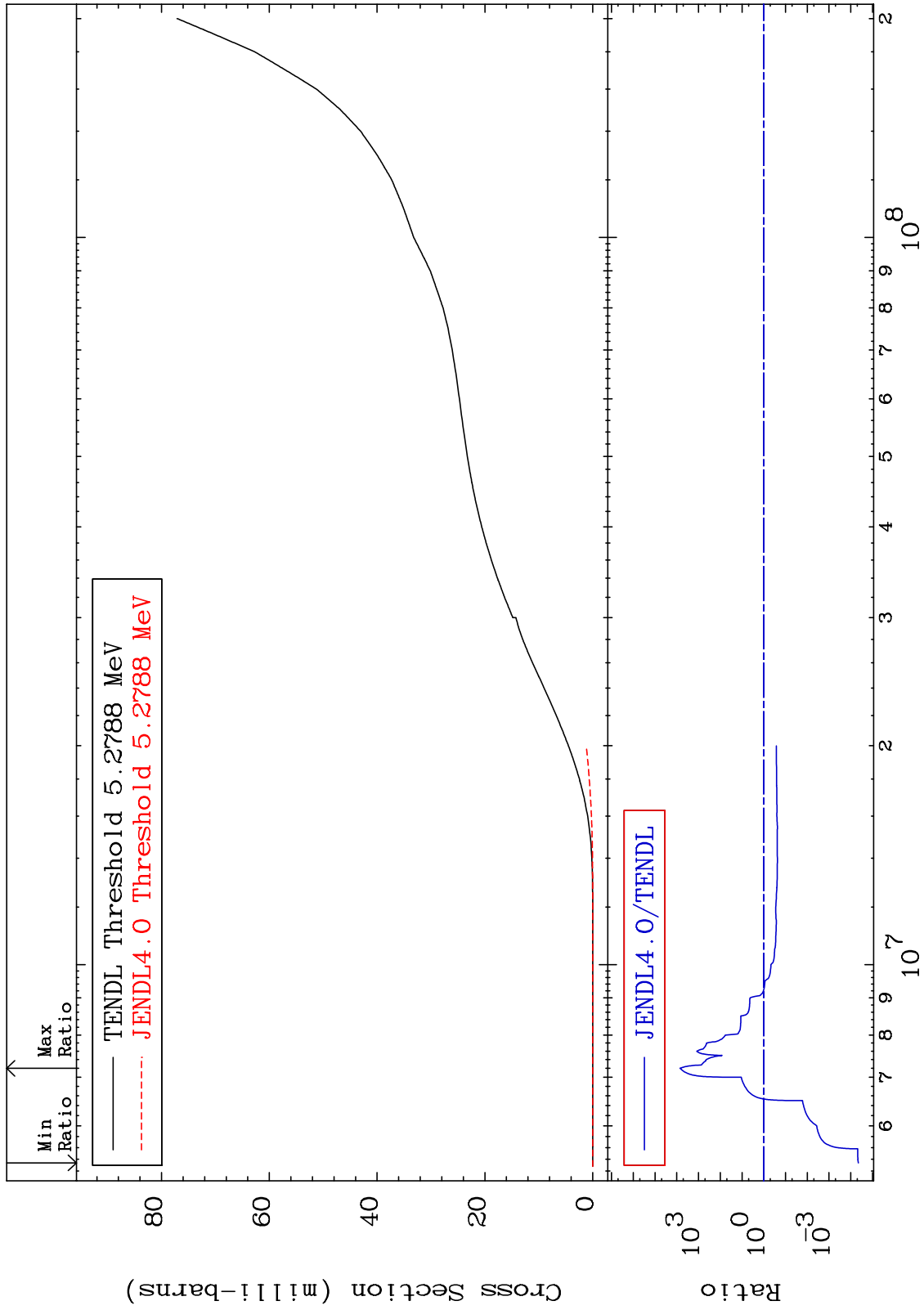
Incident Energy (eV)

60-Nd-145

MAT 6034

Tritium Production
Cross Section

60-Nd-145
-100.0 To 9999. %



47

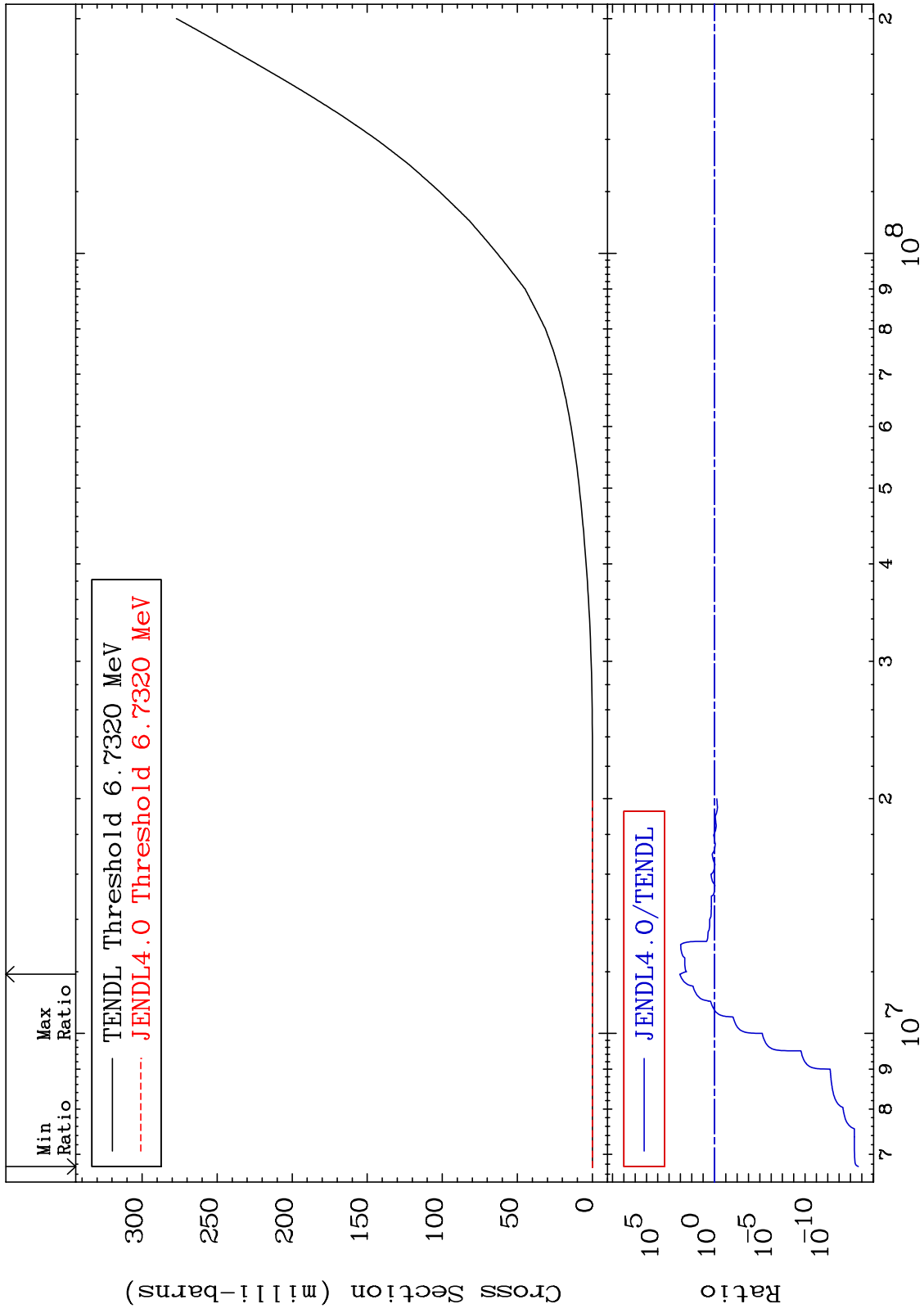
Incident Energy (eV)

60-Nd-145

MAT 6034

He-3 Production
Cross Section

60-Nd-145
-100.0 To 9999. %



48

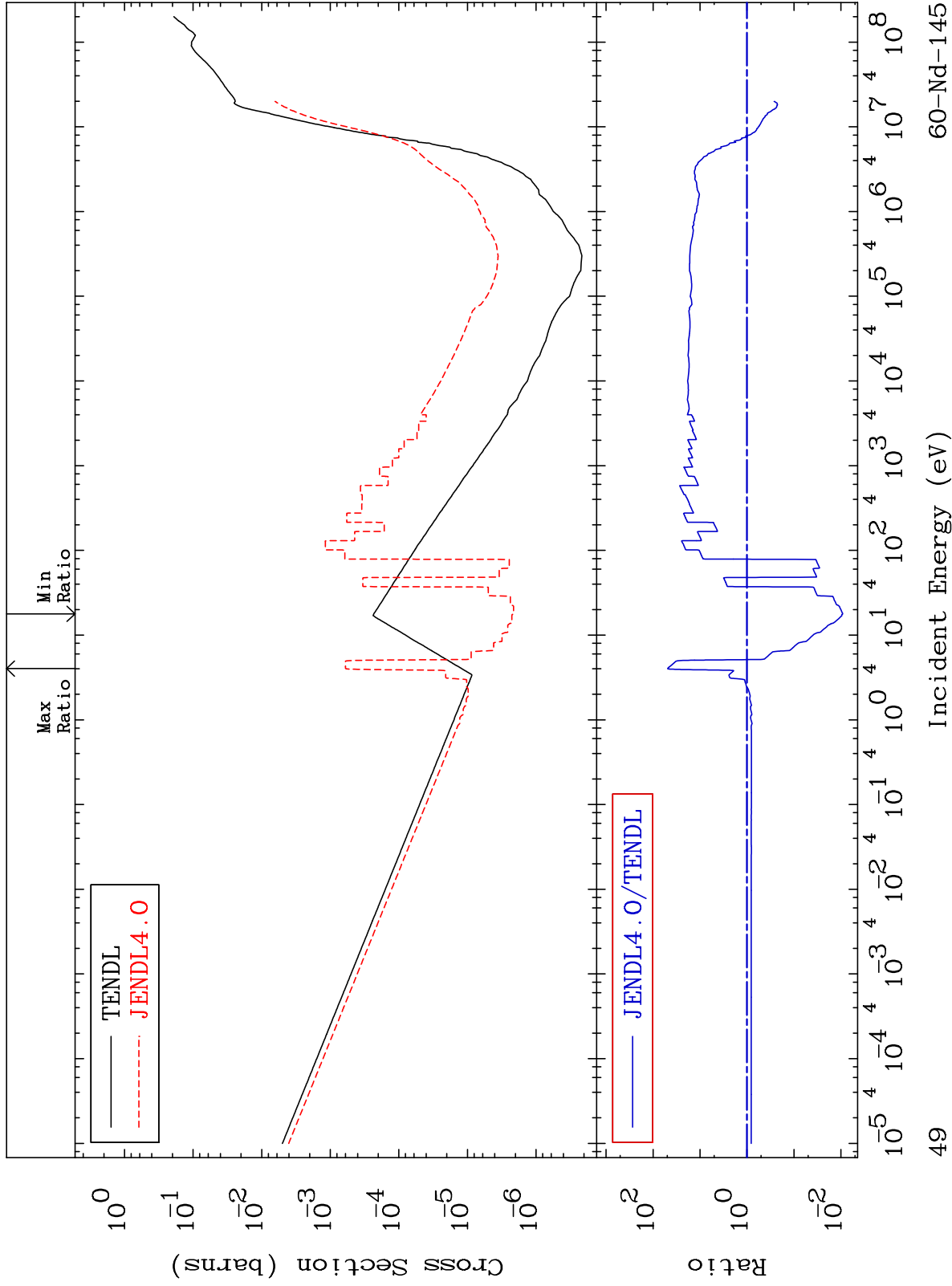
Incident Energy (eV)

60-Nd-145

MAT 6034

He-4 Production
Cross Section

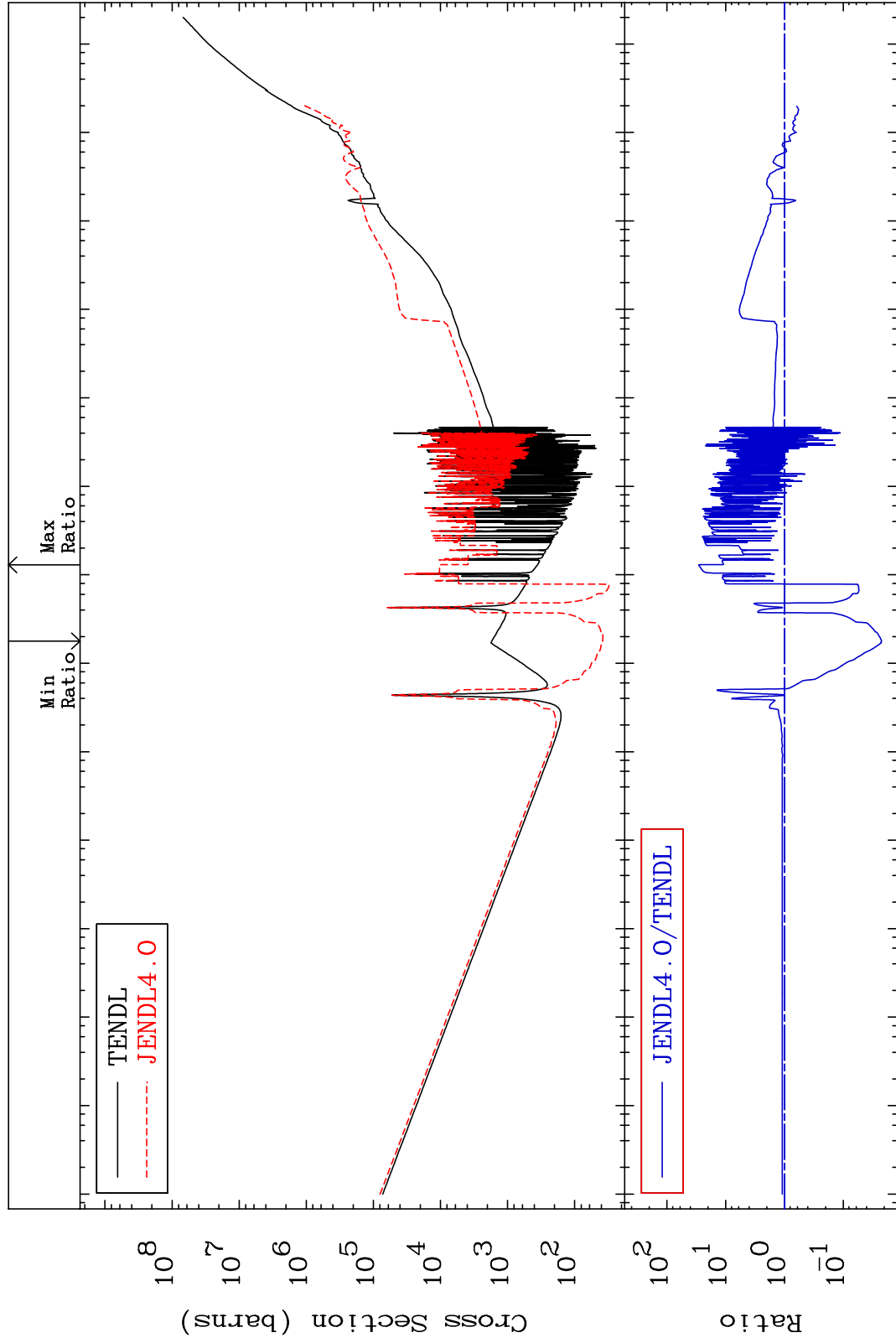
60-Nd-145
-99.08 To 4817. %



MAT 6034

Kerma total (eV-barns)
Cross Section

60-Nd-145
-97.77 To 2781. %

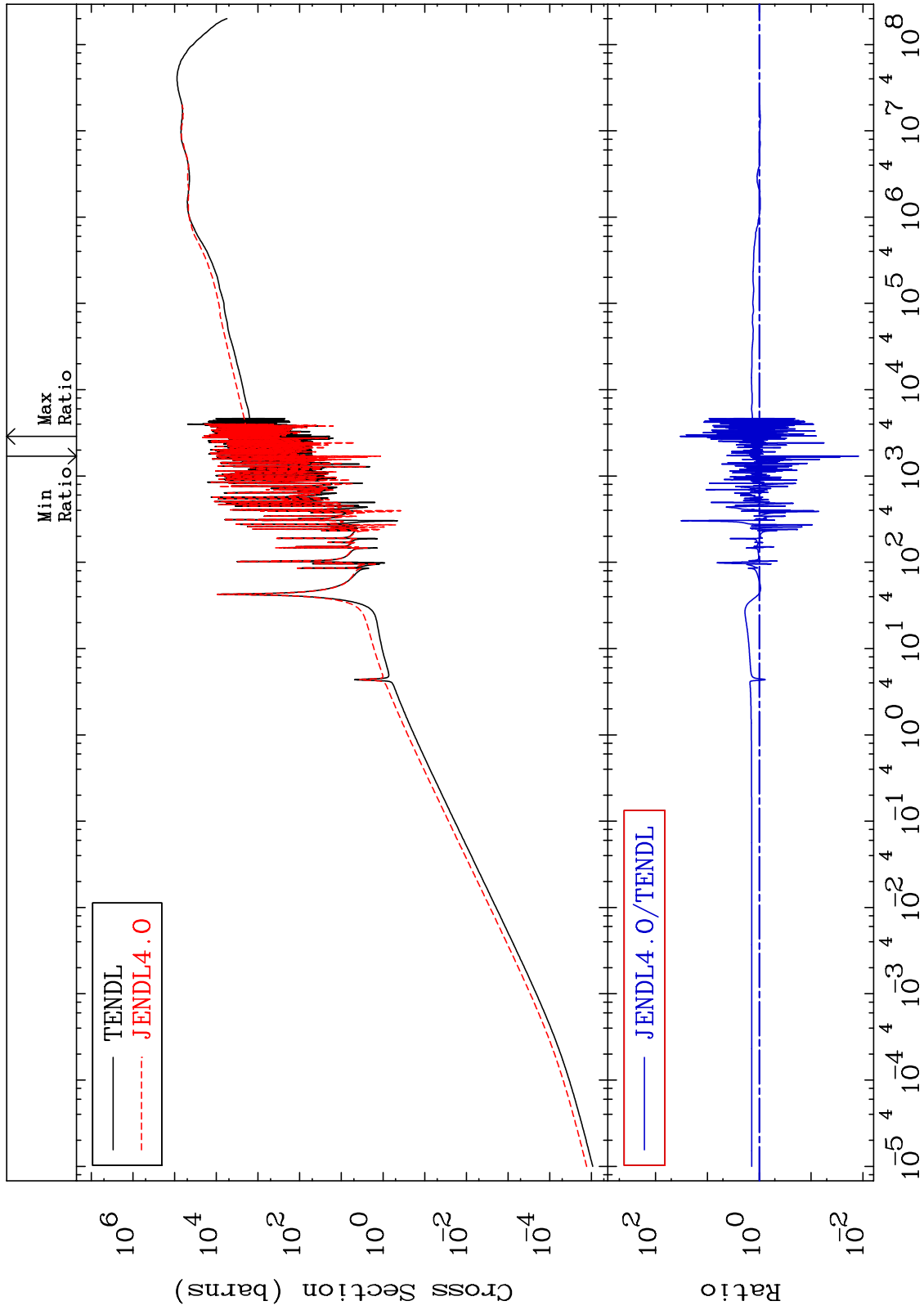


Incident Energy (eV) 60-Nd-145

MAT 6034

Kerma elastic
Cross Section

60-Nd-145
-98.78 To 3272. %



51

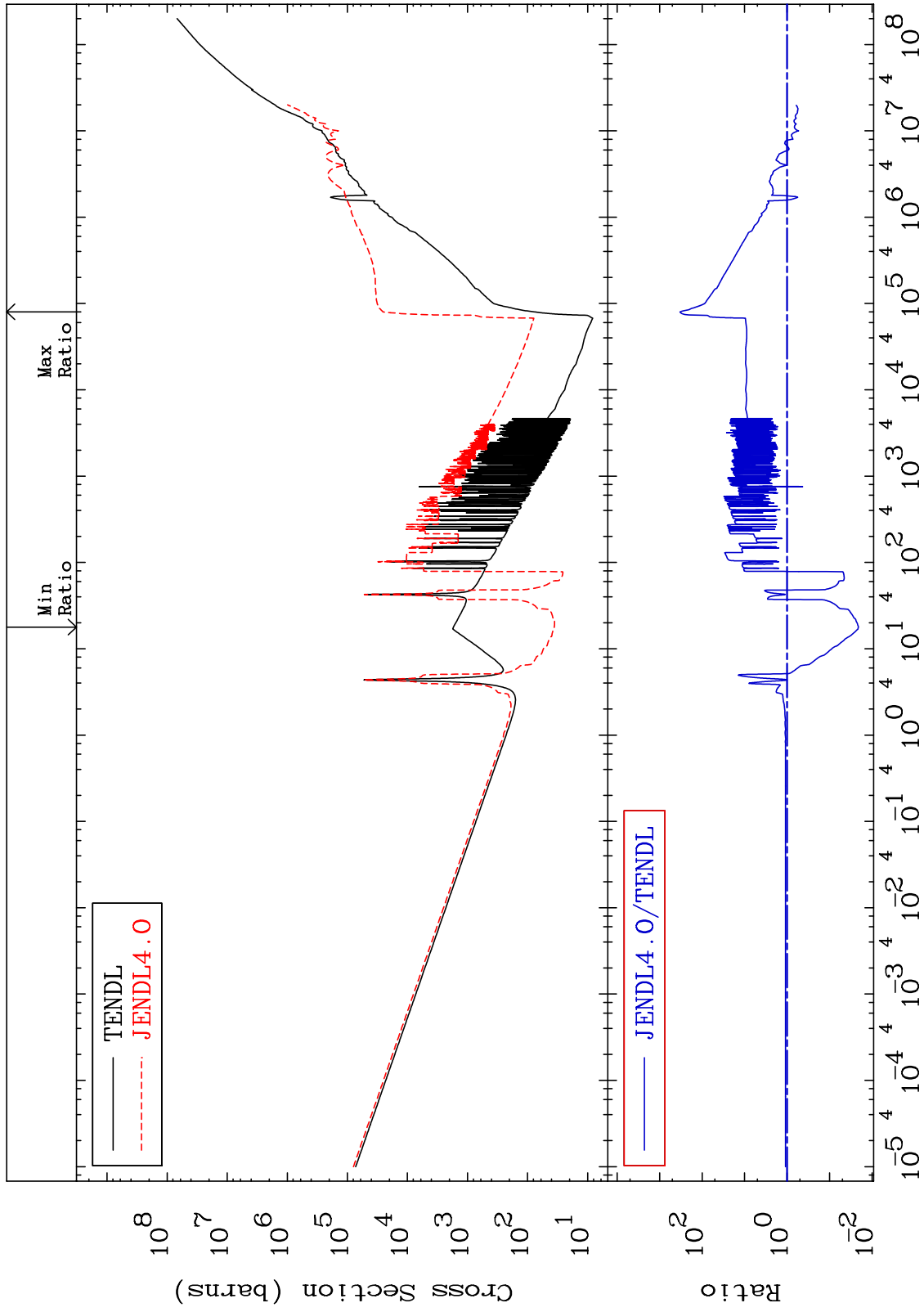
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-145
-97.91 To 9999. %



52

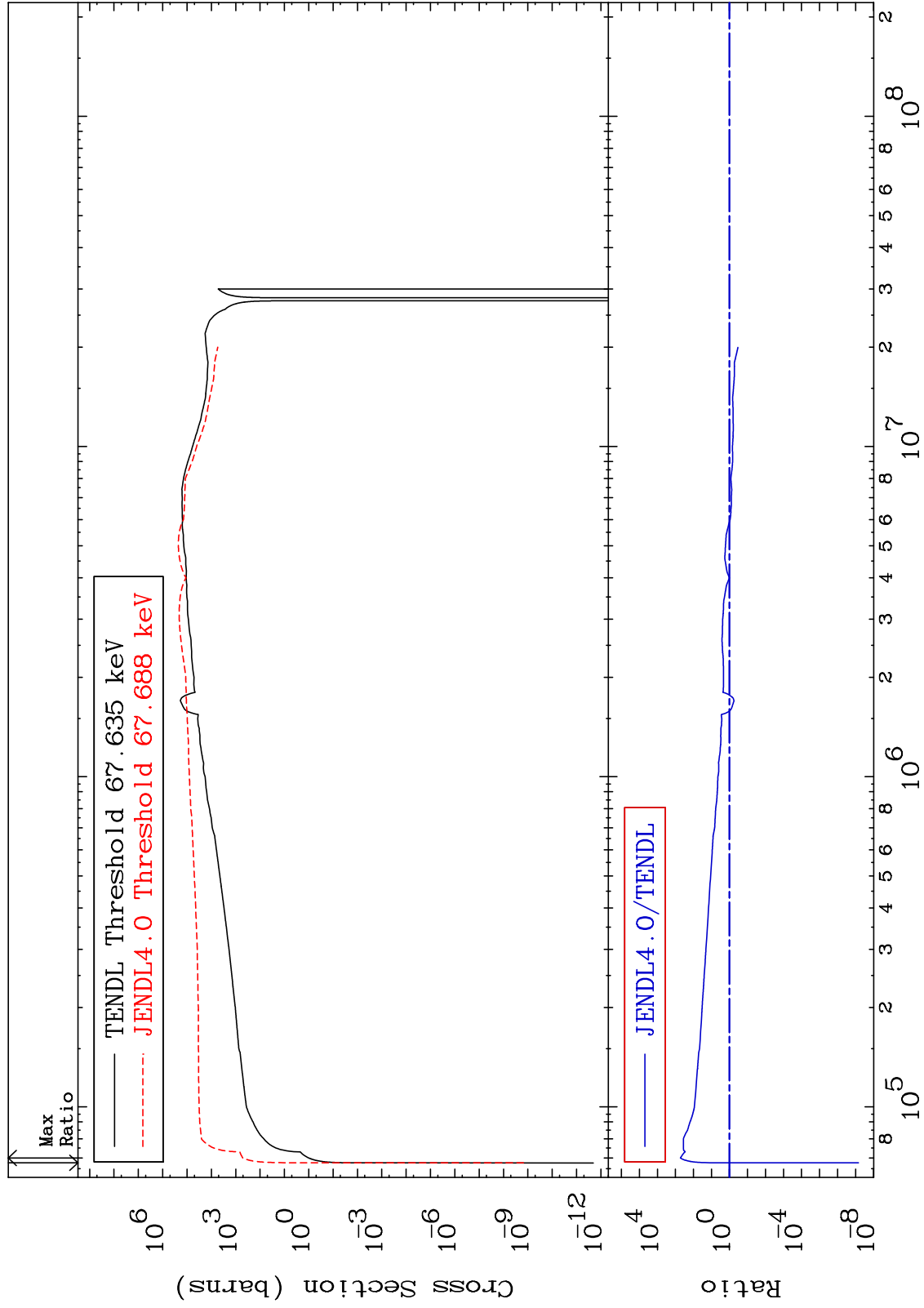
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma inelastic (mt51-91)
Cross Section

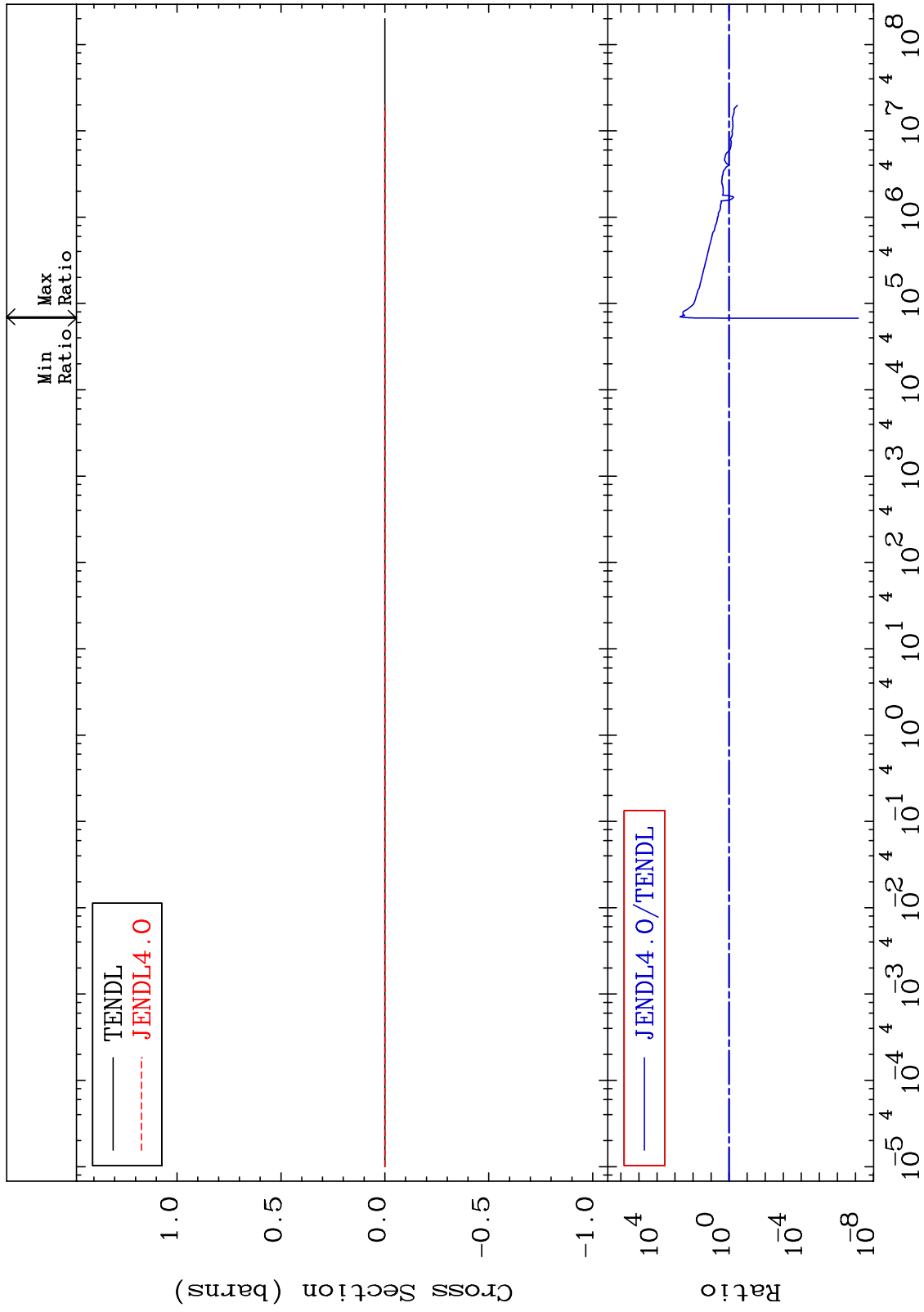
60-Nd-145
-100.0 To 9999. %



MAT 6034

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

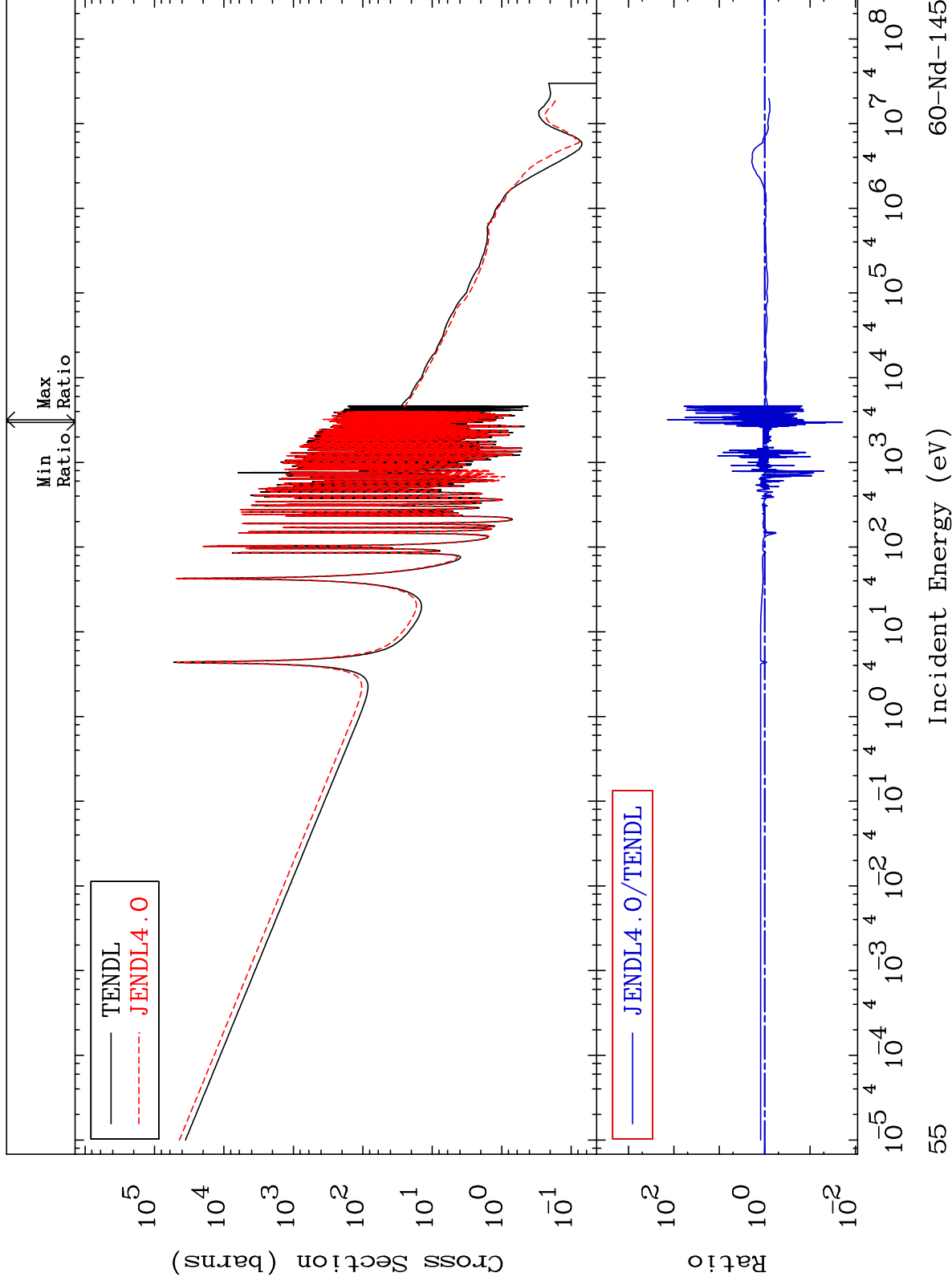
60-Nd-145
-100.0 To 9999. %



MAT 6034

Kerma capture (mt102)
Cross Section

60-Nd-145
-98.08 To 9999. %



55

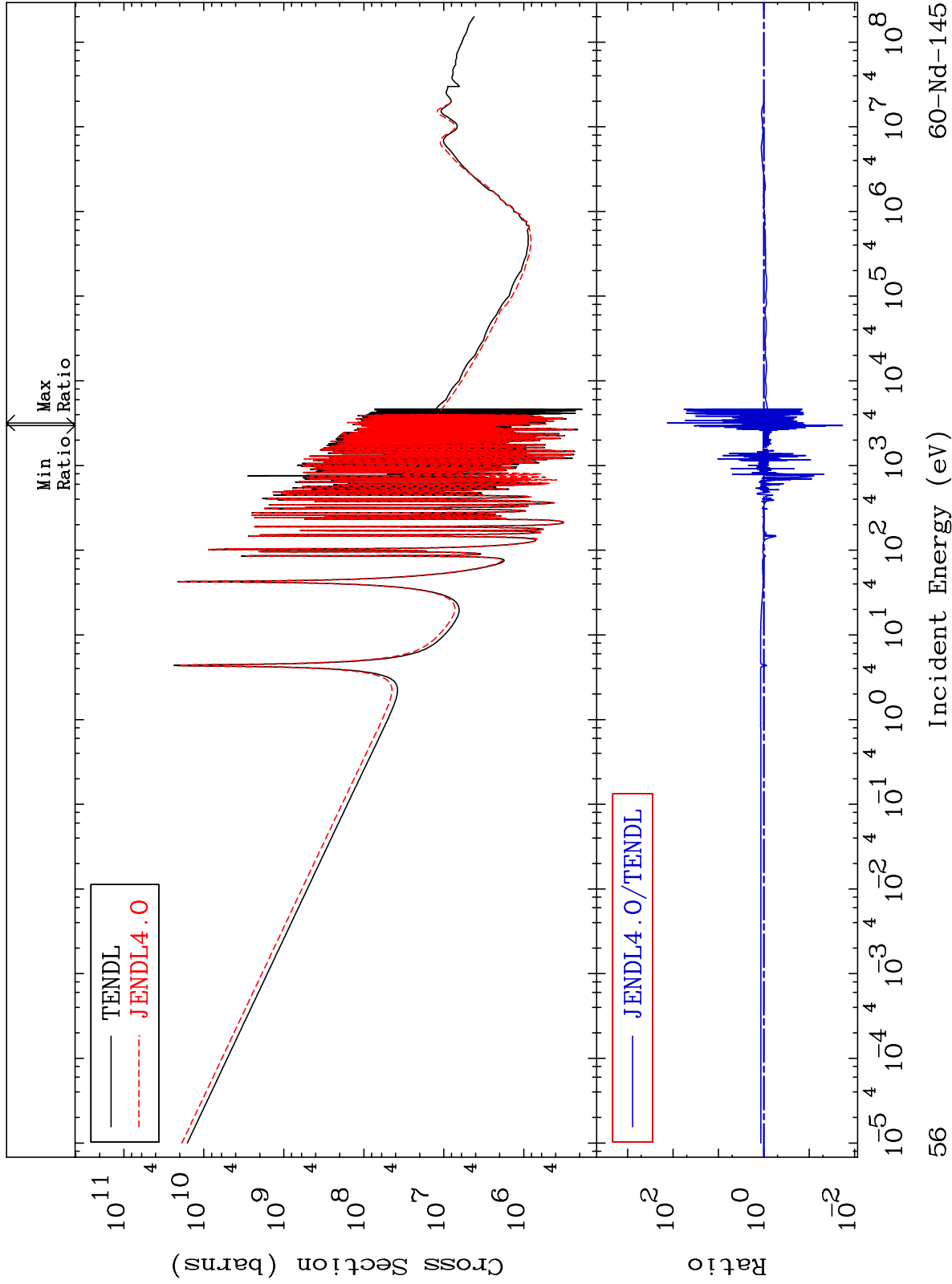
Incident Energy (eV)

60-Nd-145

MAT 6034

Total photon (eV-barns)
Cross Section

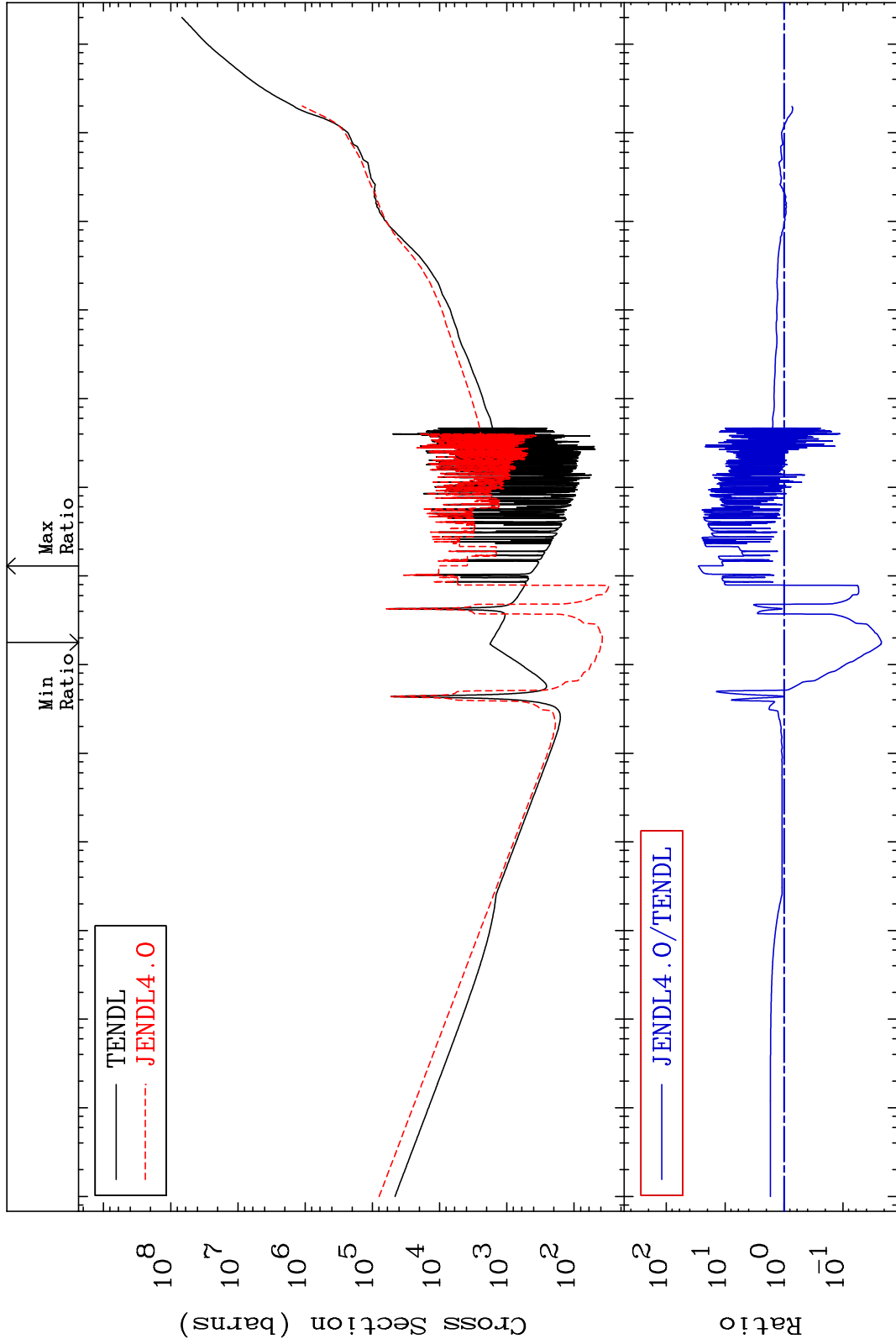
60-Nd-145
-98.16 To 9999. %



MAT 6034

Total kinematic kerma (high limit)
Cross Section

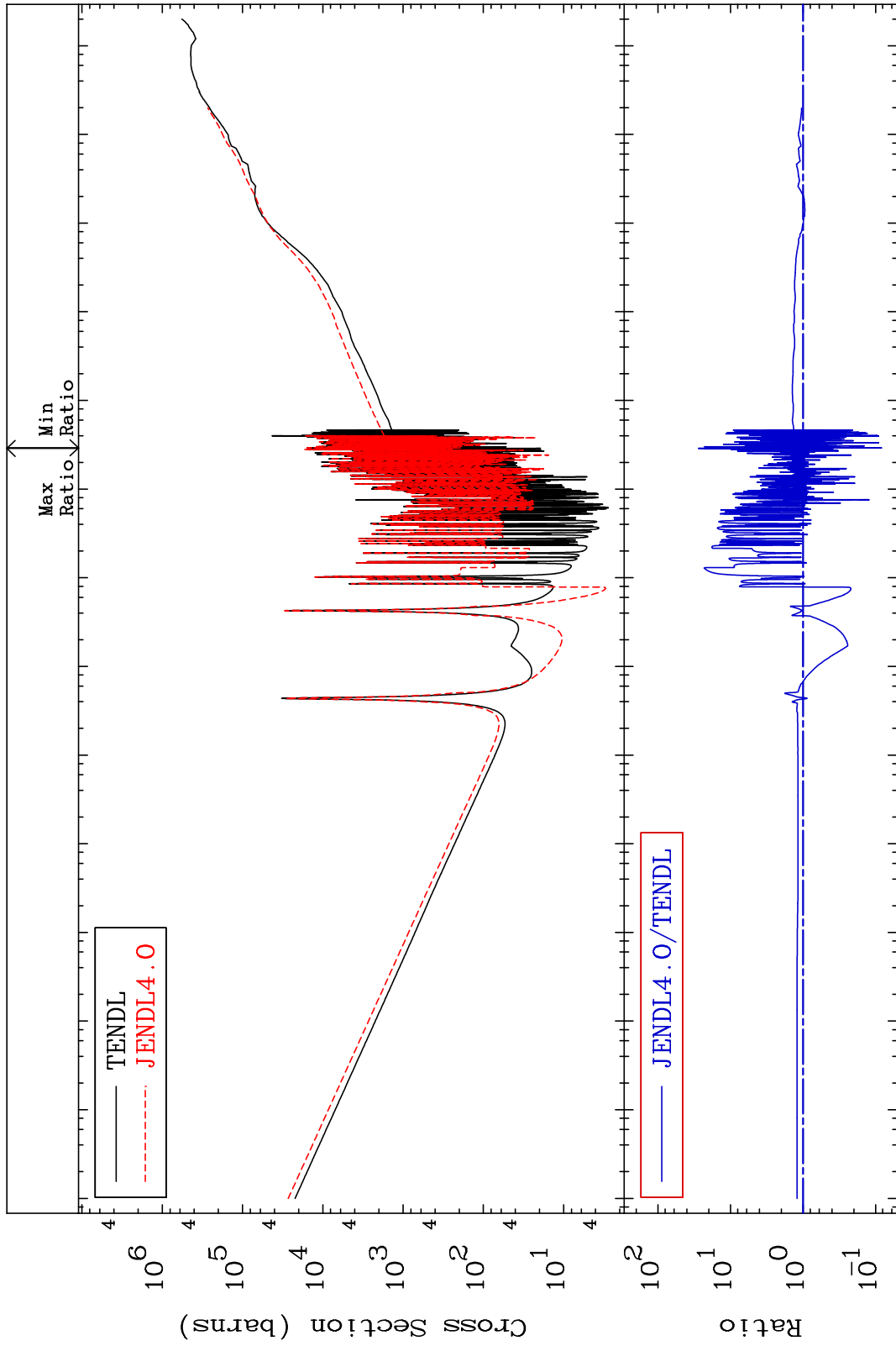
60-Nd-145
-97.79 To 2761. %



MAT 6034

Dpa total (eV-barns)
Cross Section

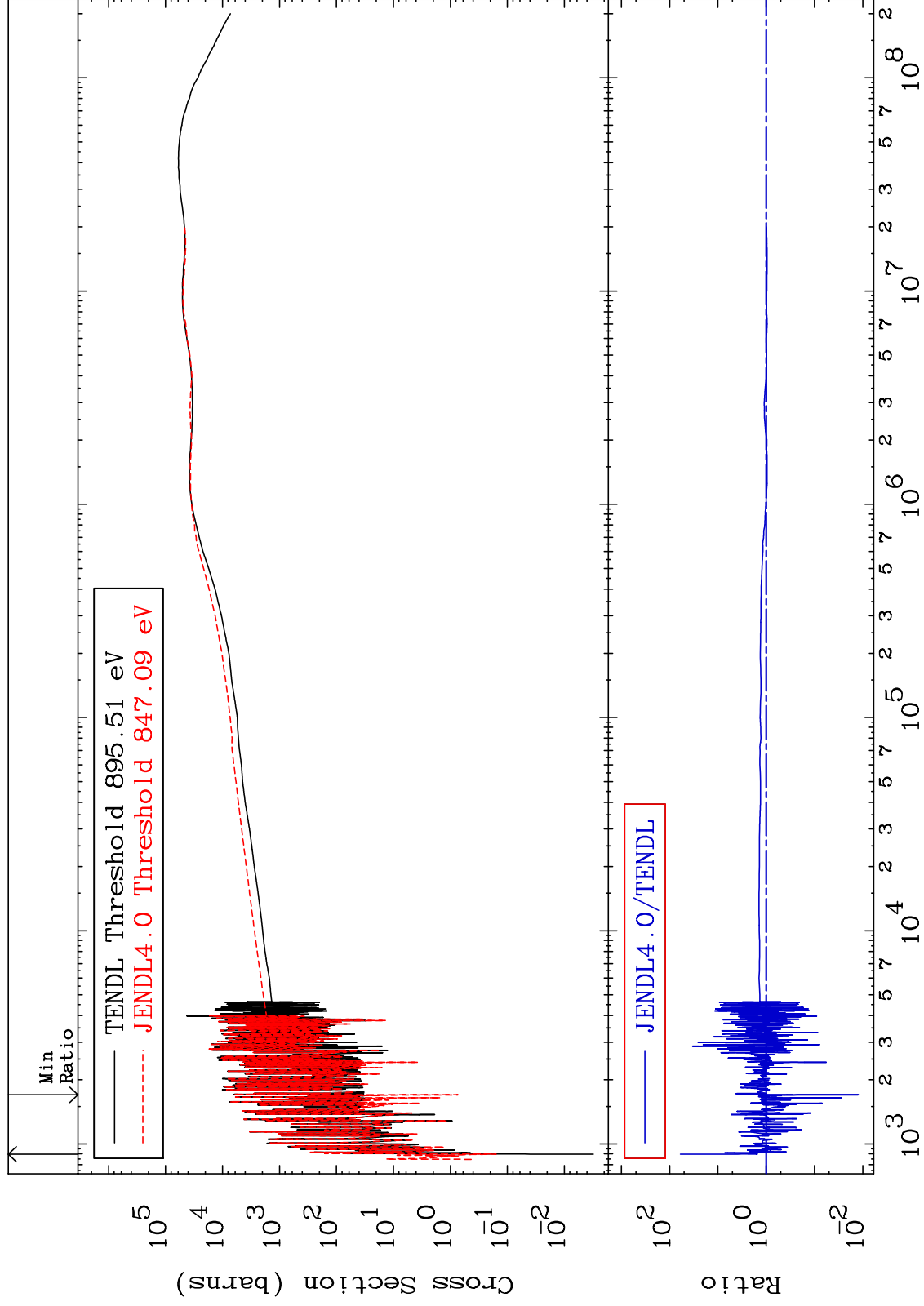
60-Nd-145
-91.70 To 2682. %



MAT 6034

Dpa elastic (mt2)
Cross Section

60-Nd-145
-98.78 To 5877. %



59

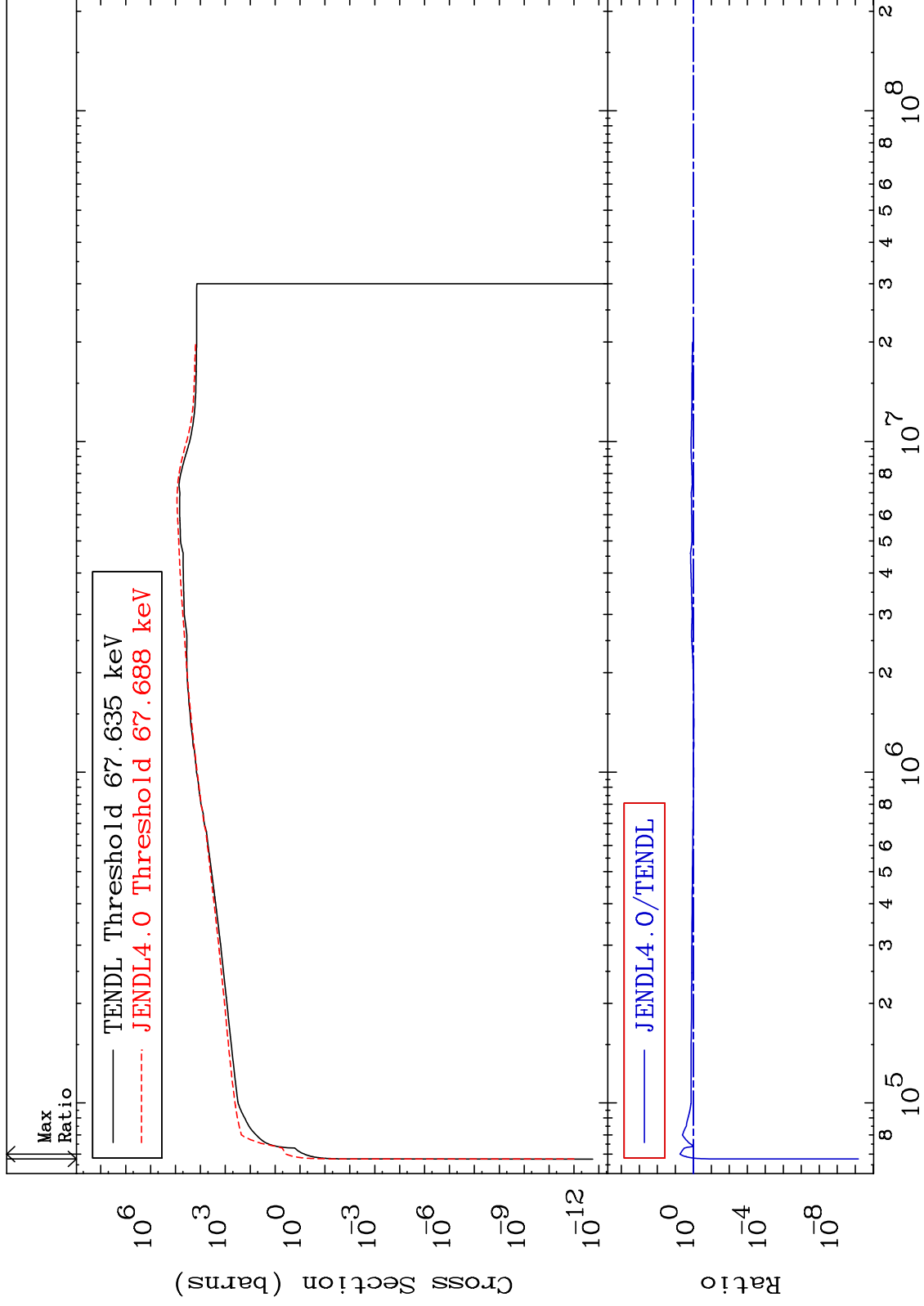
60-Nd-145

60-Nd-145

MAT 6034

Dpa inelastic (mt51-91)
Cross Section

60-Nd-145
-100.0 To 444.1 %



60

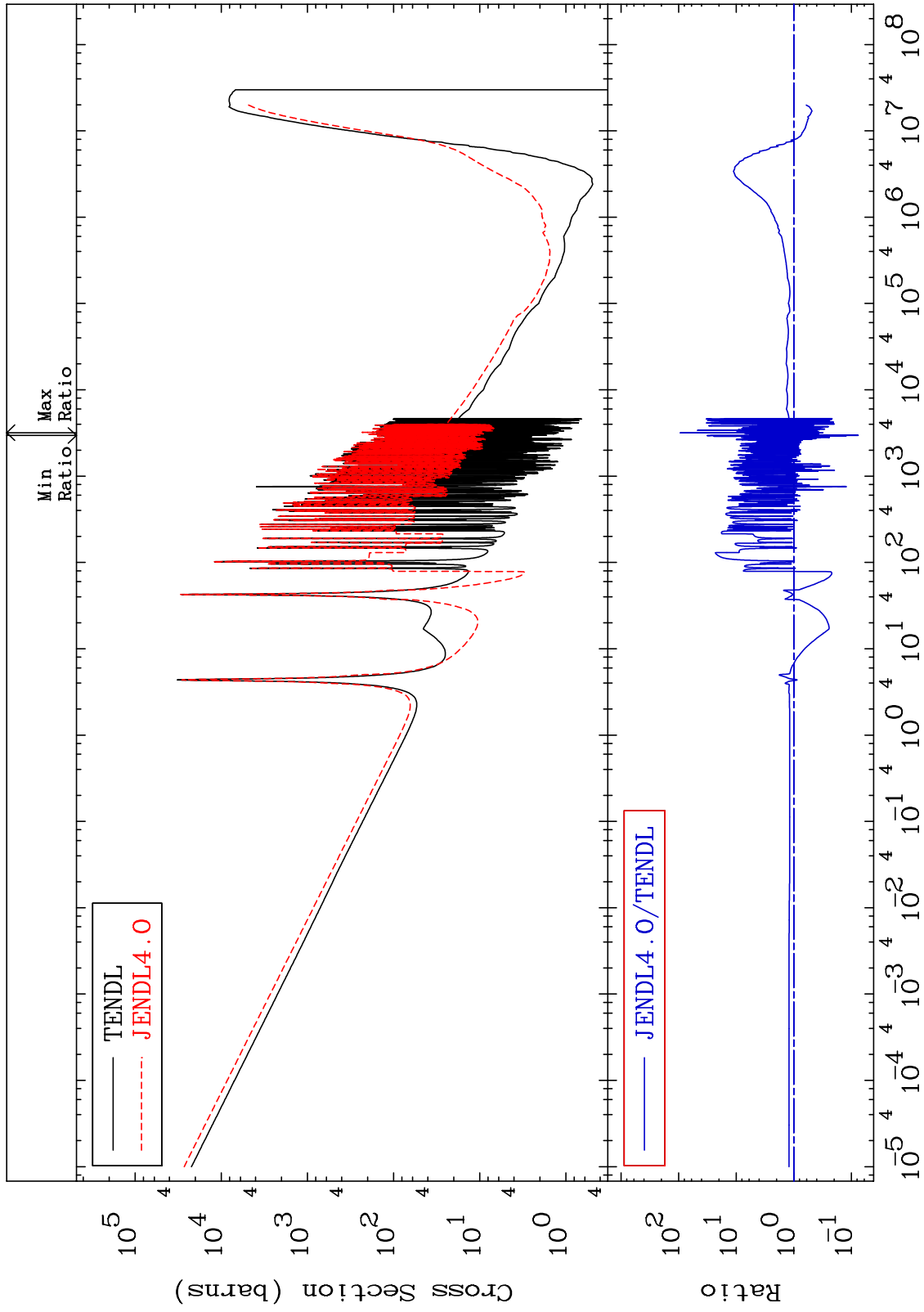
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa disappearance (mt102 -120)
Cross Section

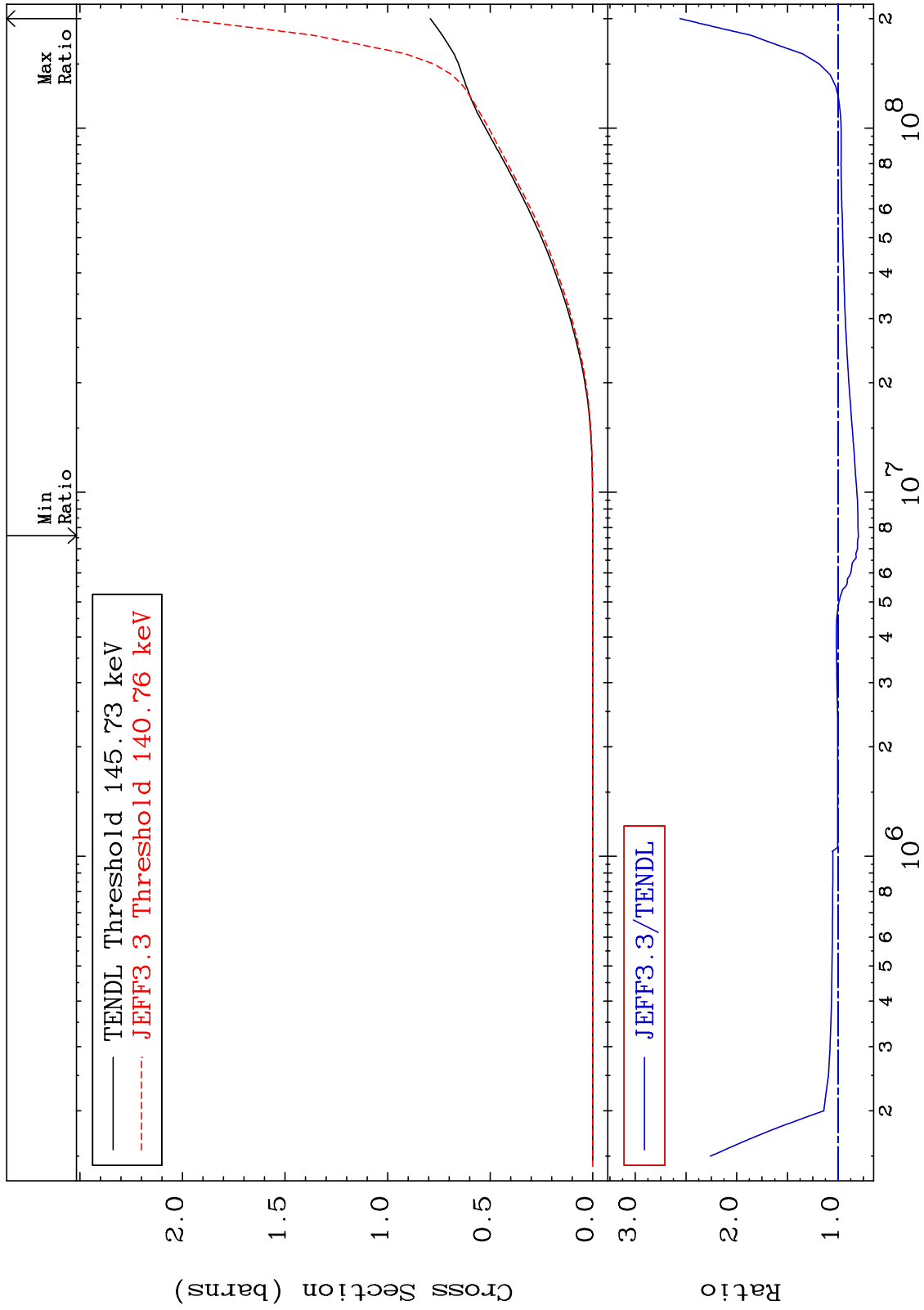
60-Nd-145
-92.44 To 9397. %



MAT 6034

Hydrogen Production
Cross Section

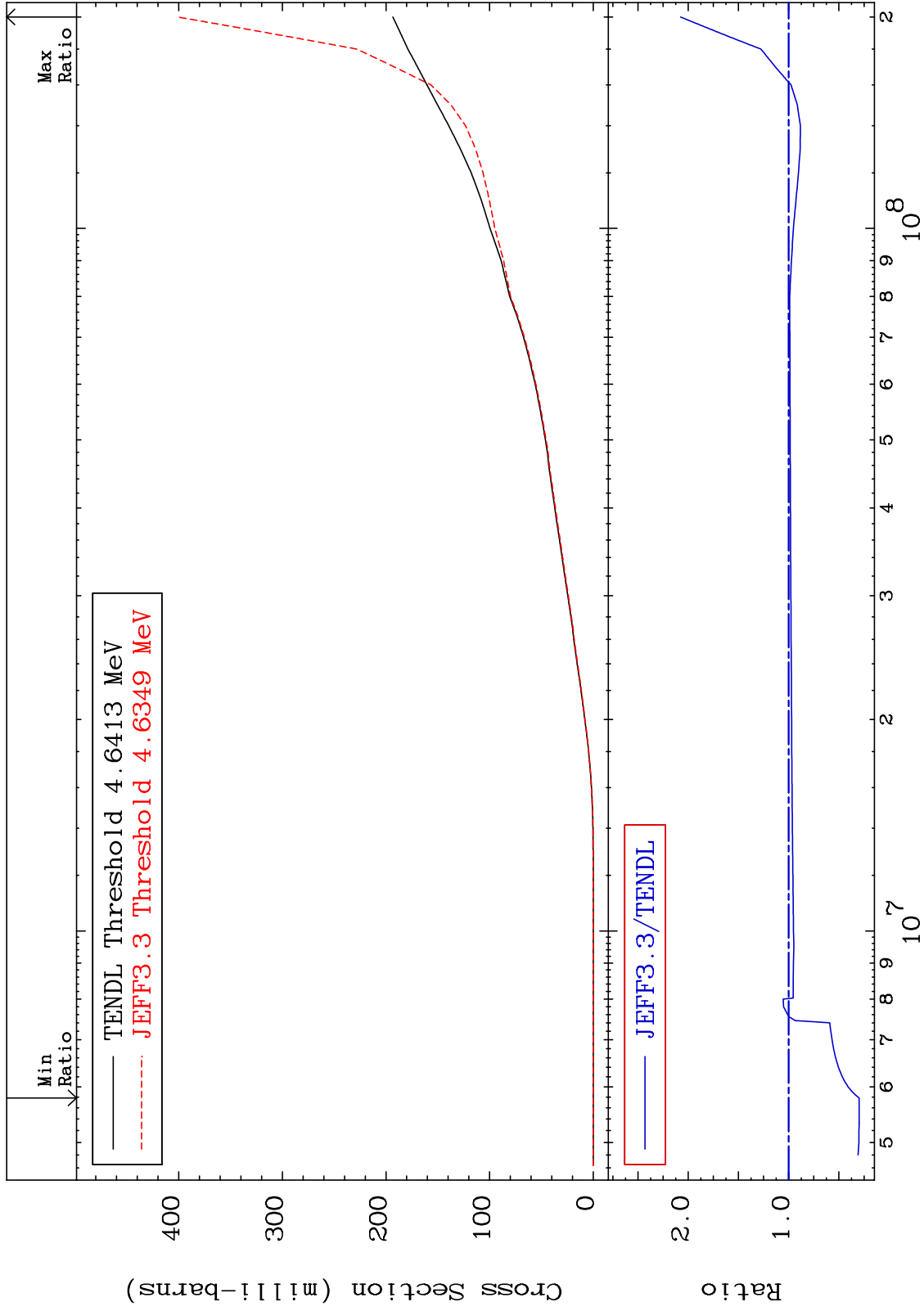
60-Nd-145
-20.03 To 155.9 %



MAT 6034

Deuterium Production
Cross Section

60-Nd-145
-70.16 To 107.6 %



63

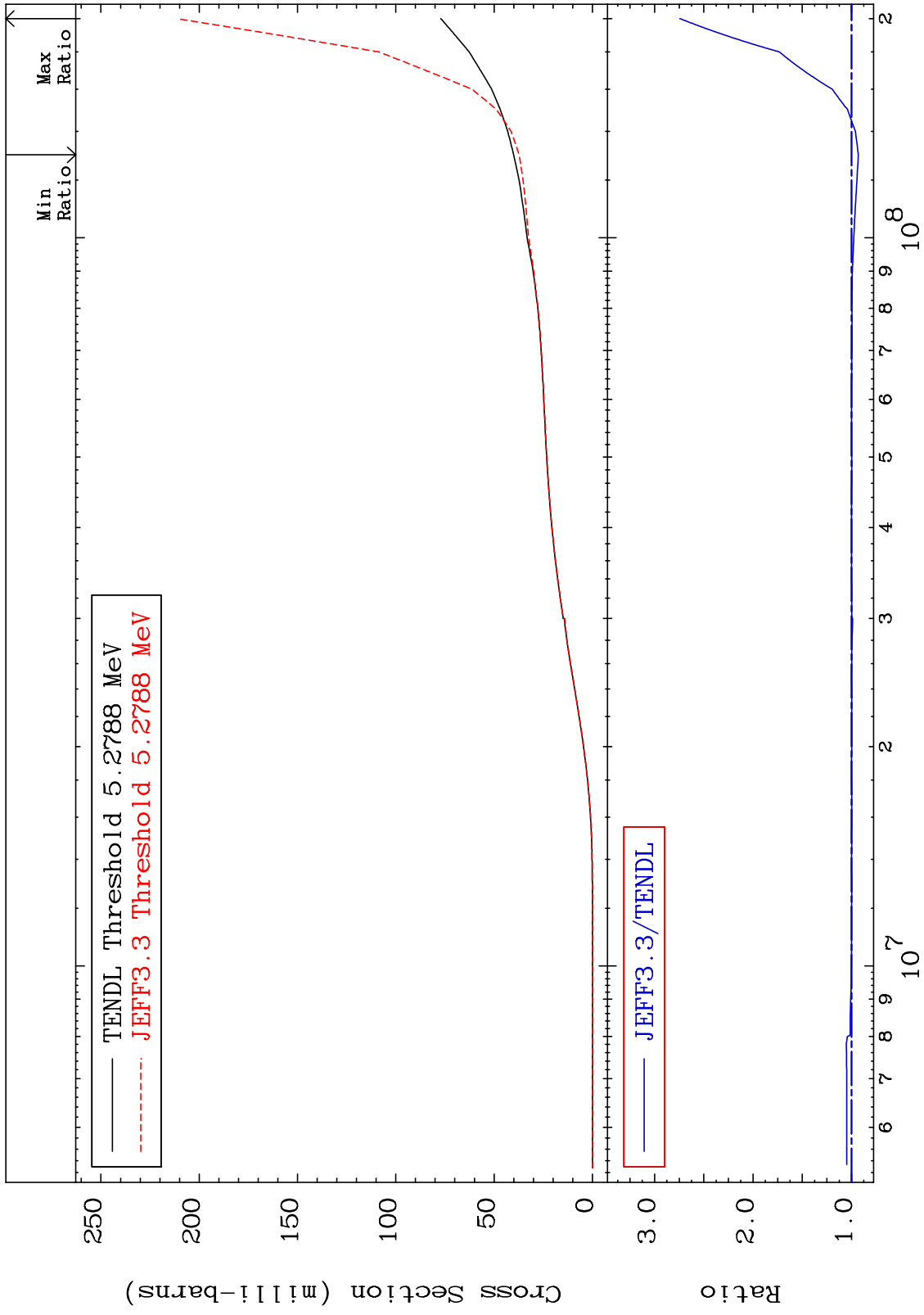
Incident Energy (eV)

60-Nd-145

MAT 6034

Tritium Production
Cross Section

60-Nd-145
-6.943 To 174.4 %



64

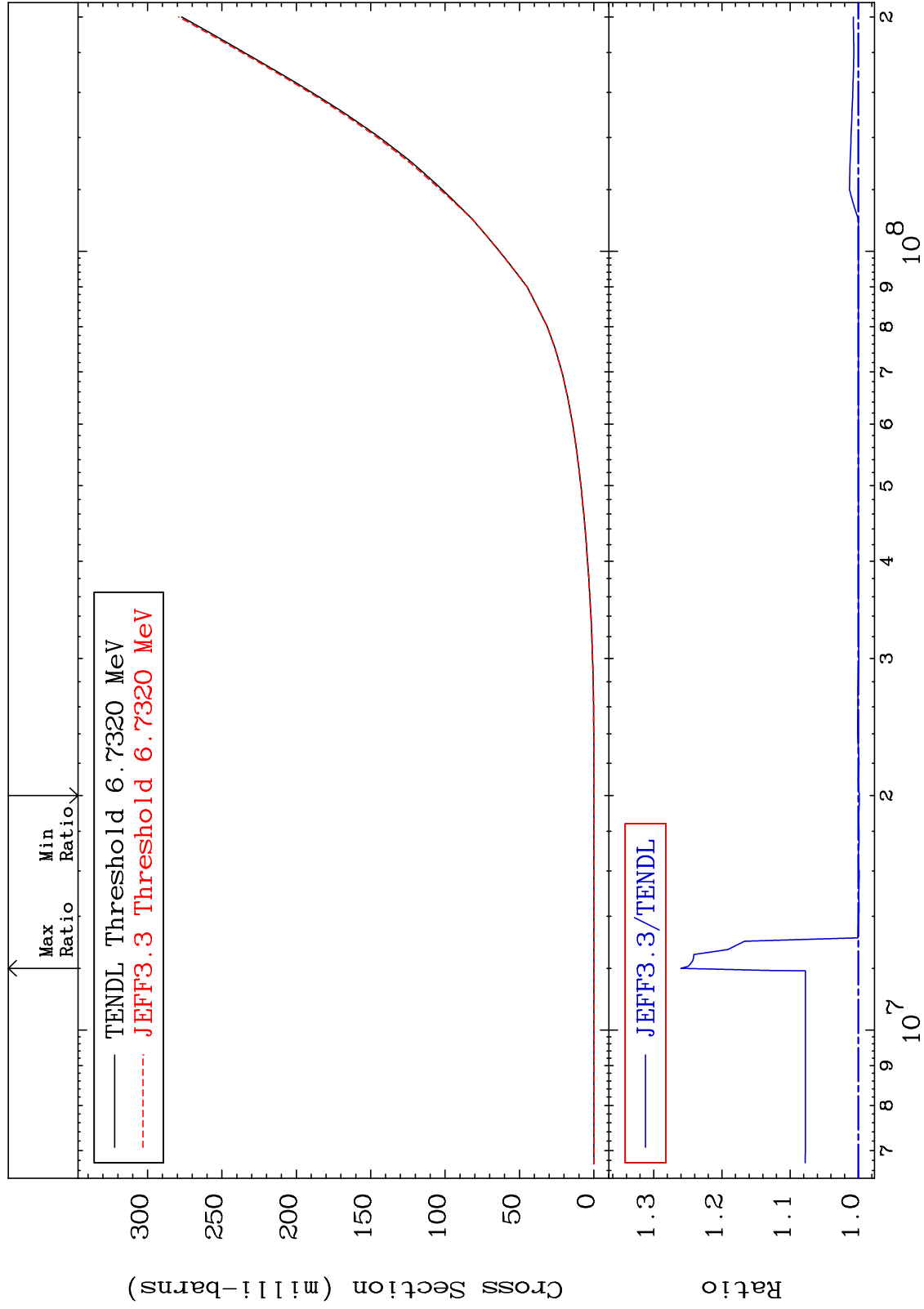
Incident Energy (eV)

60-Nd-145

MAT 6034

He-3 Production
Cross Section

60-Nd-145
-0.145 To 25.99 %



65

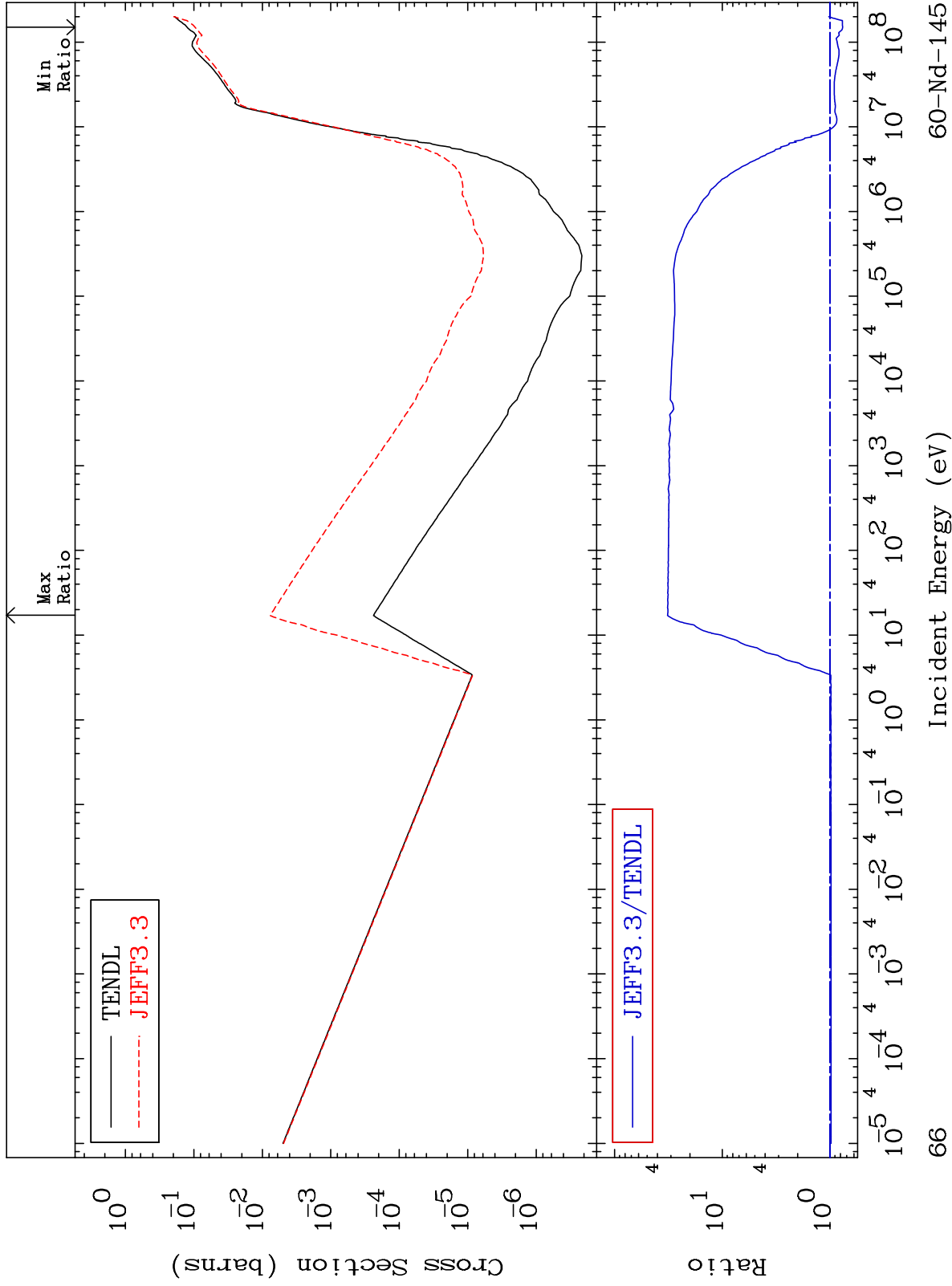
Incident Energy (eV)

60-Nd-145

MAT 6034

He-4 Production
Cross Section

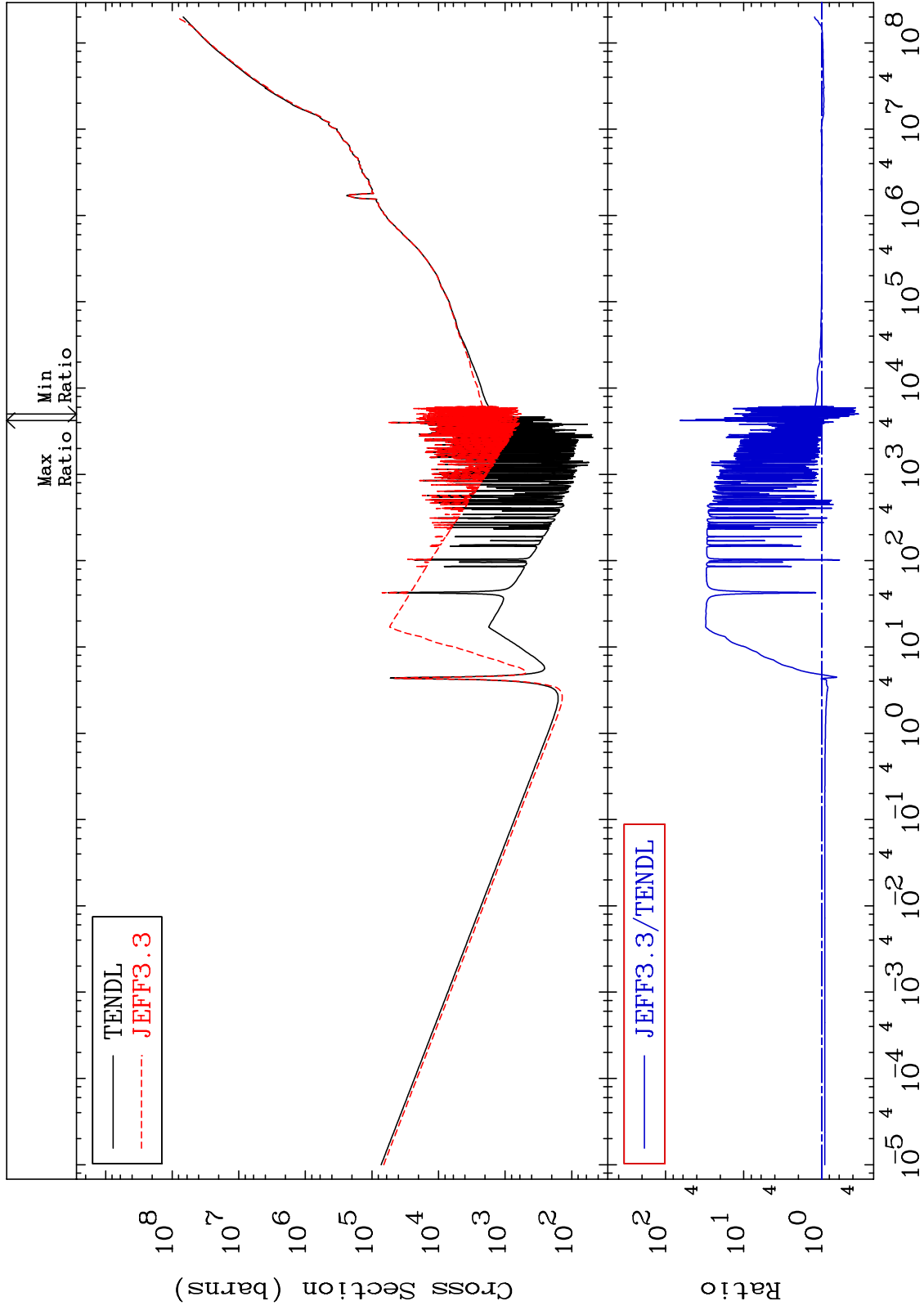
60-Nd-145
-23.65 To 3127. %



MAT 6034

Kerma total (eV-barns)
Cross Section

60-Nd-145
-65.98 To 6436. %



67

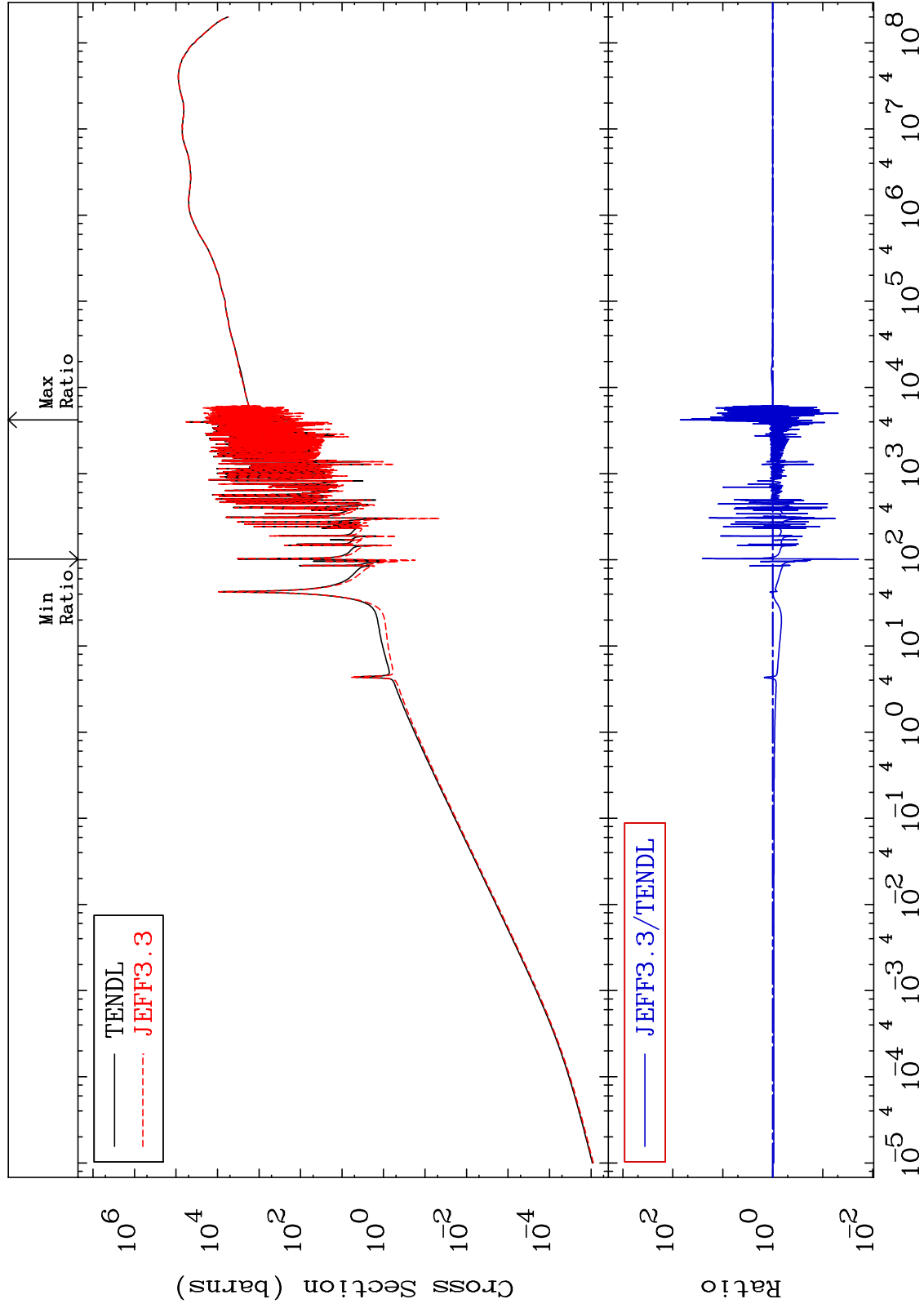
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma elastic
Cross Section

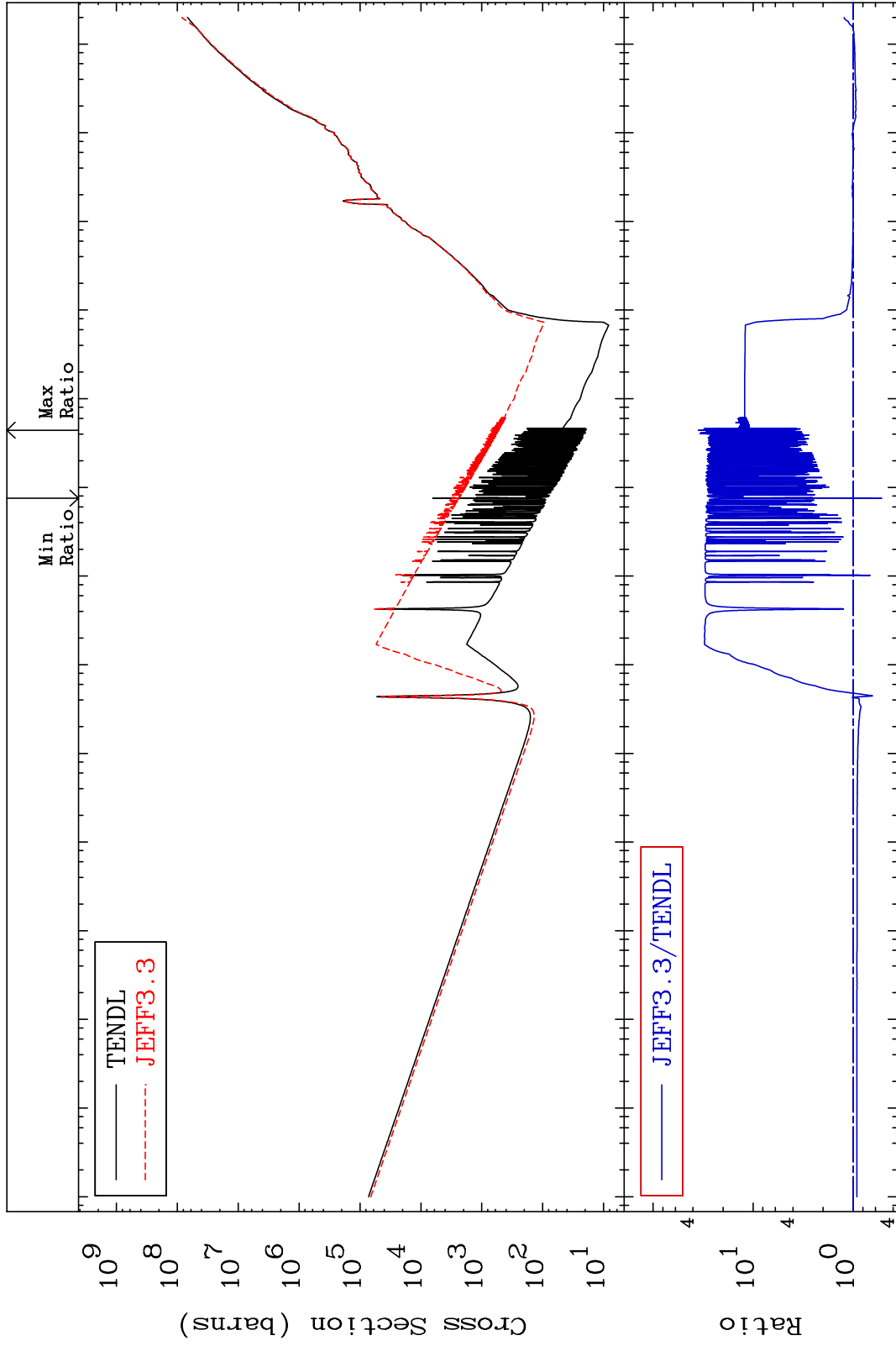
60-Nd-145
-98.08 To 6929. %



MAT 6034

Kerma non-elastic (all but mt2)
Cross Section

60-Nd-145
-47.86 To 3432. %



69

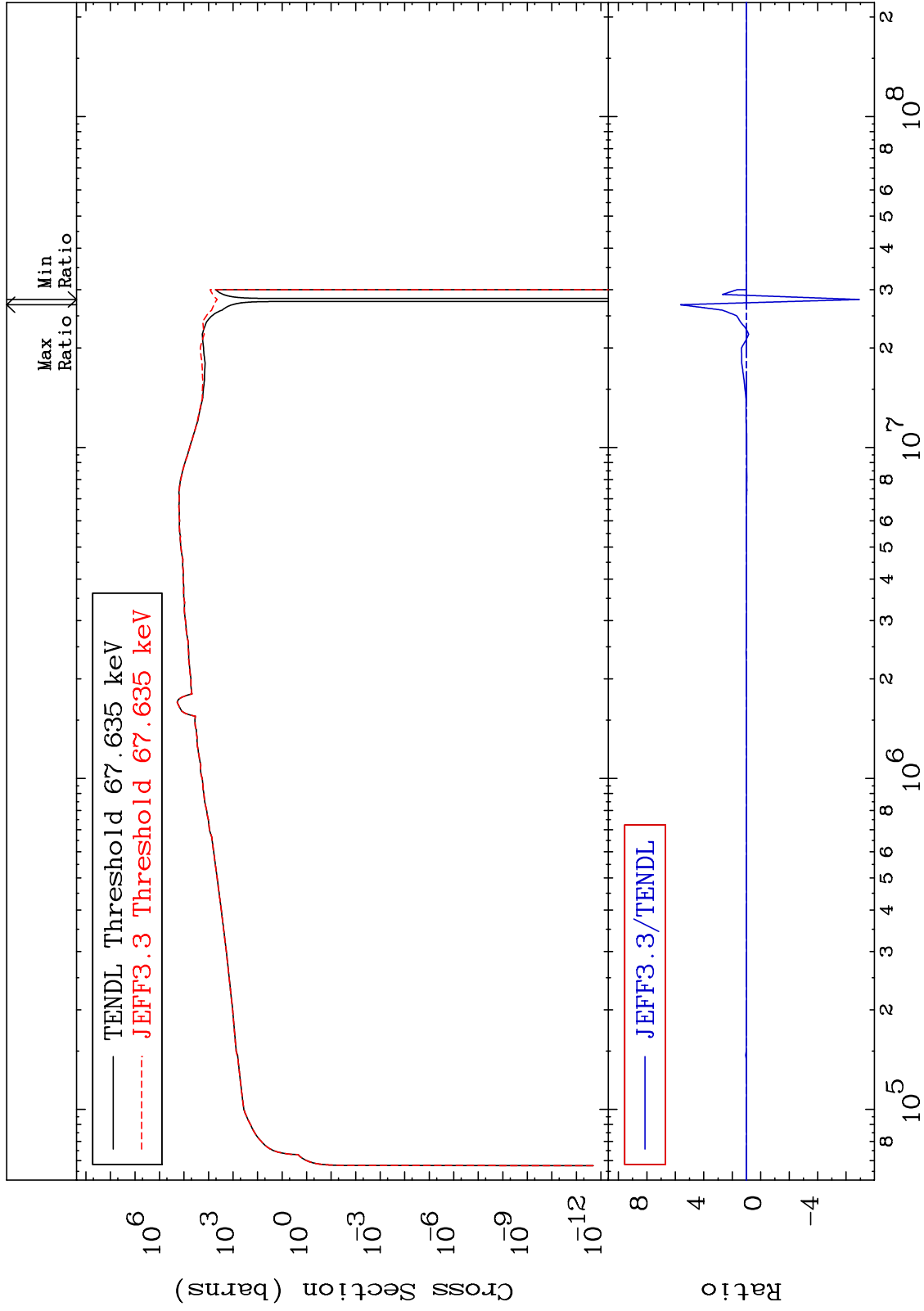
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma inelastic (mt51-91)
Cross Section

60-Nd-145
-791.7 To 462.7 %



70

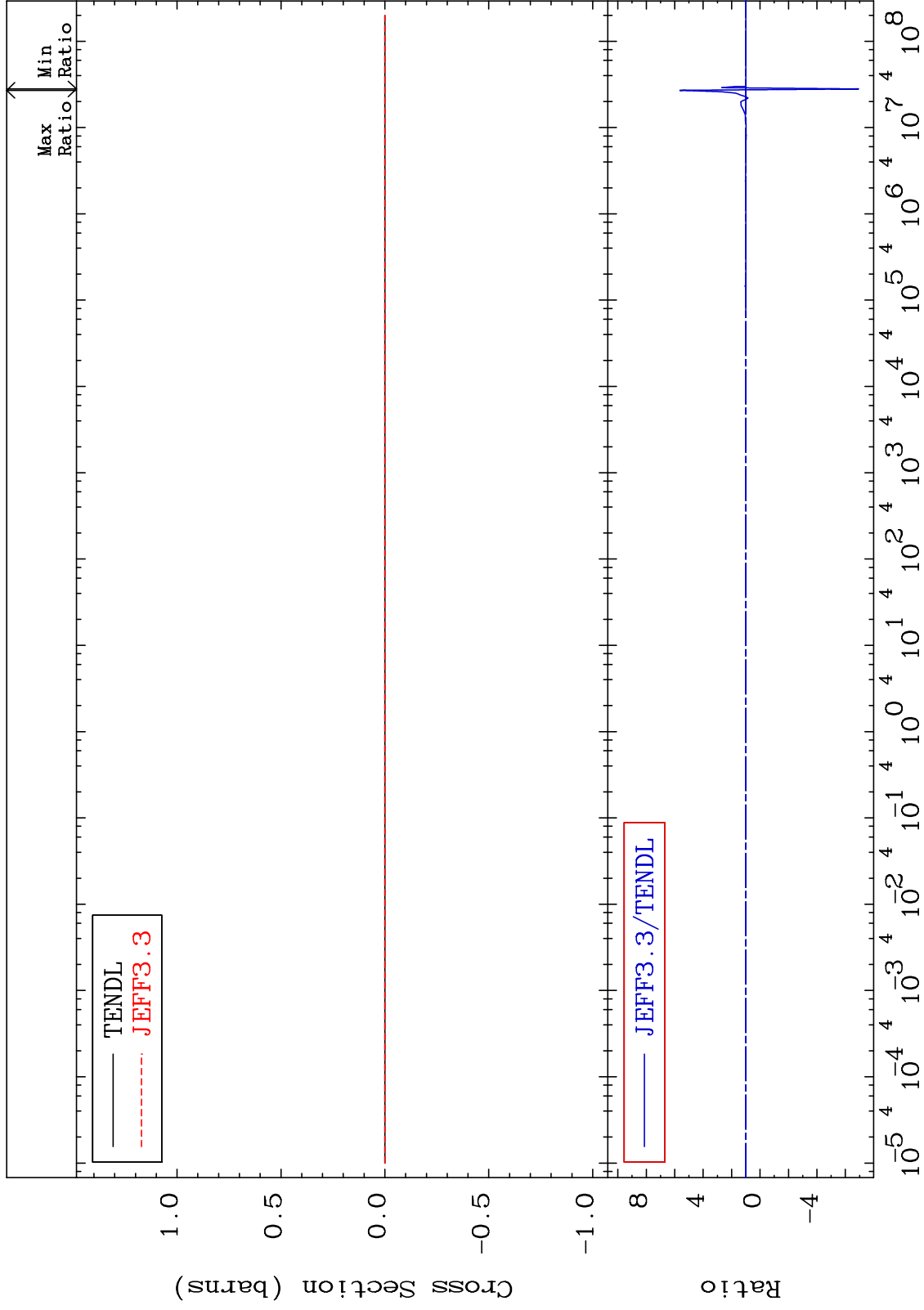
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

60-Nd-145
-791.7 To 462.7 %



71

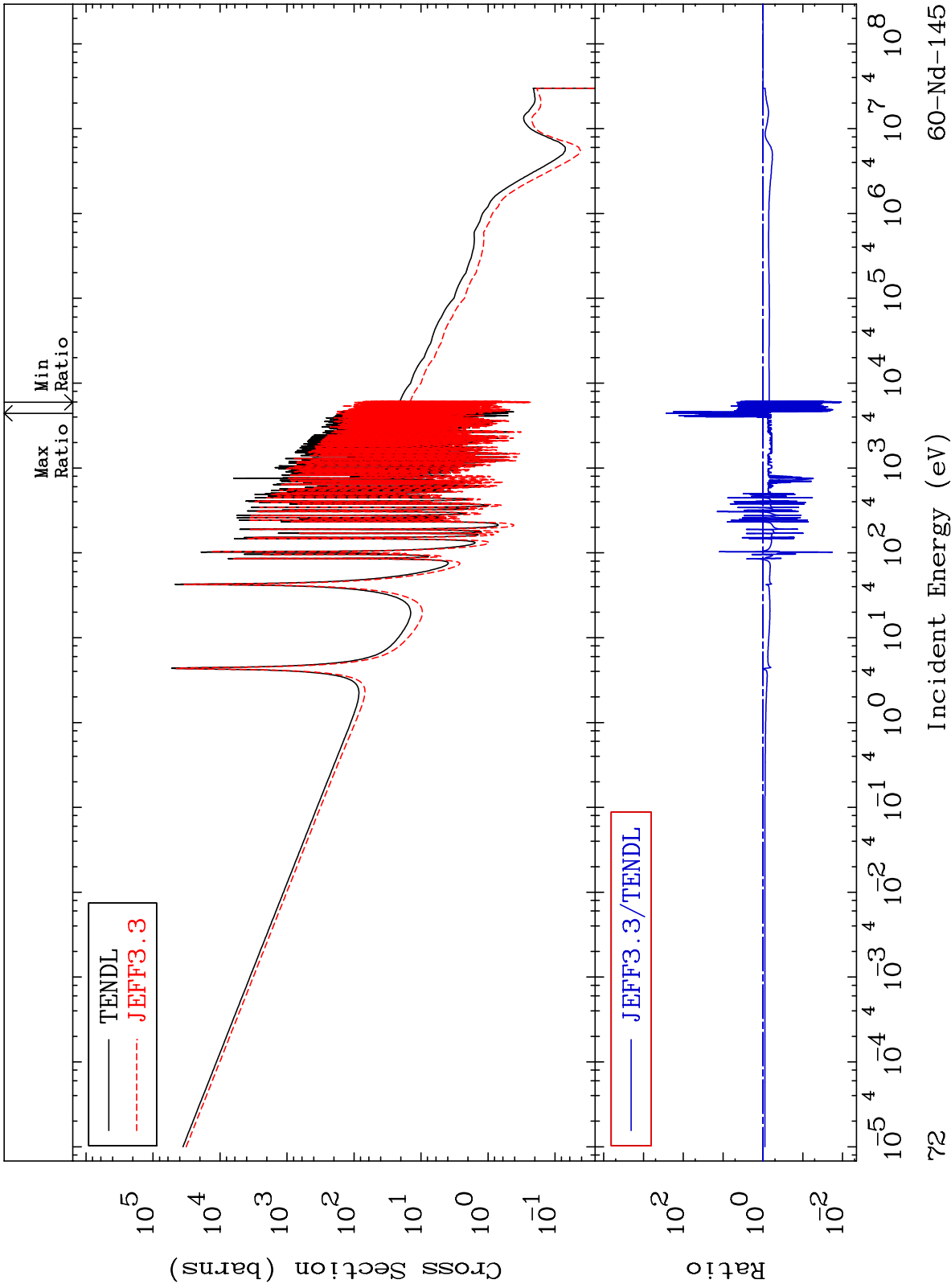
Incident Energy (eV)

60-Nd-145

MAT 6034

Kerma capture (mt102)
Cross Section

60-Nd-145
-98.93 To 9999. %



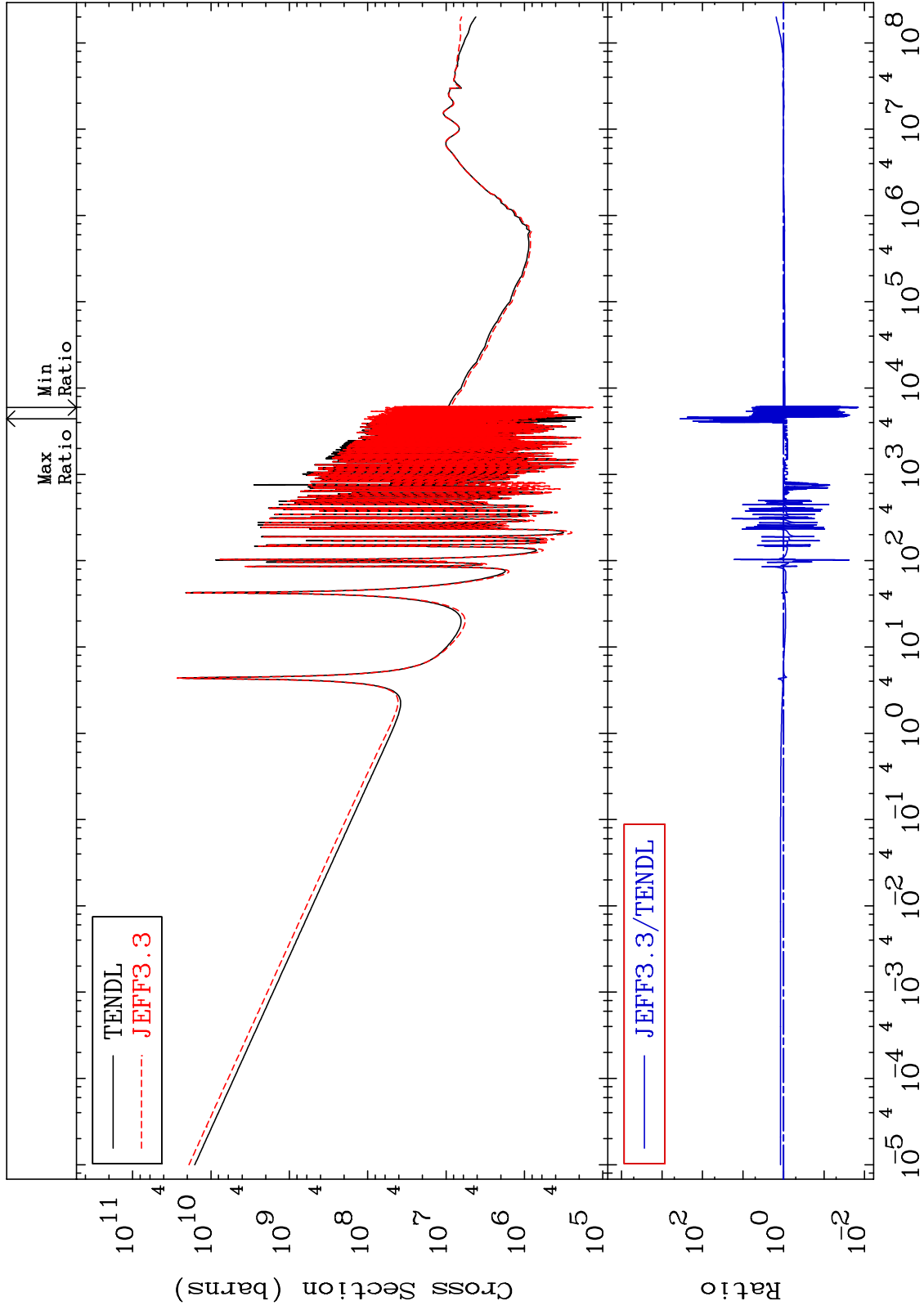
72

60-Nd-145

MAT 6034

Total photon (eV-barns)
Cross Section

60-Nd-145
-98.58 To 9999. %



73

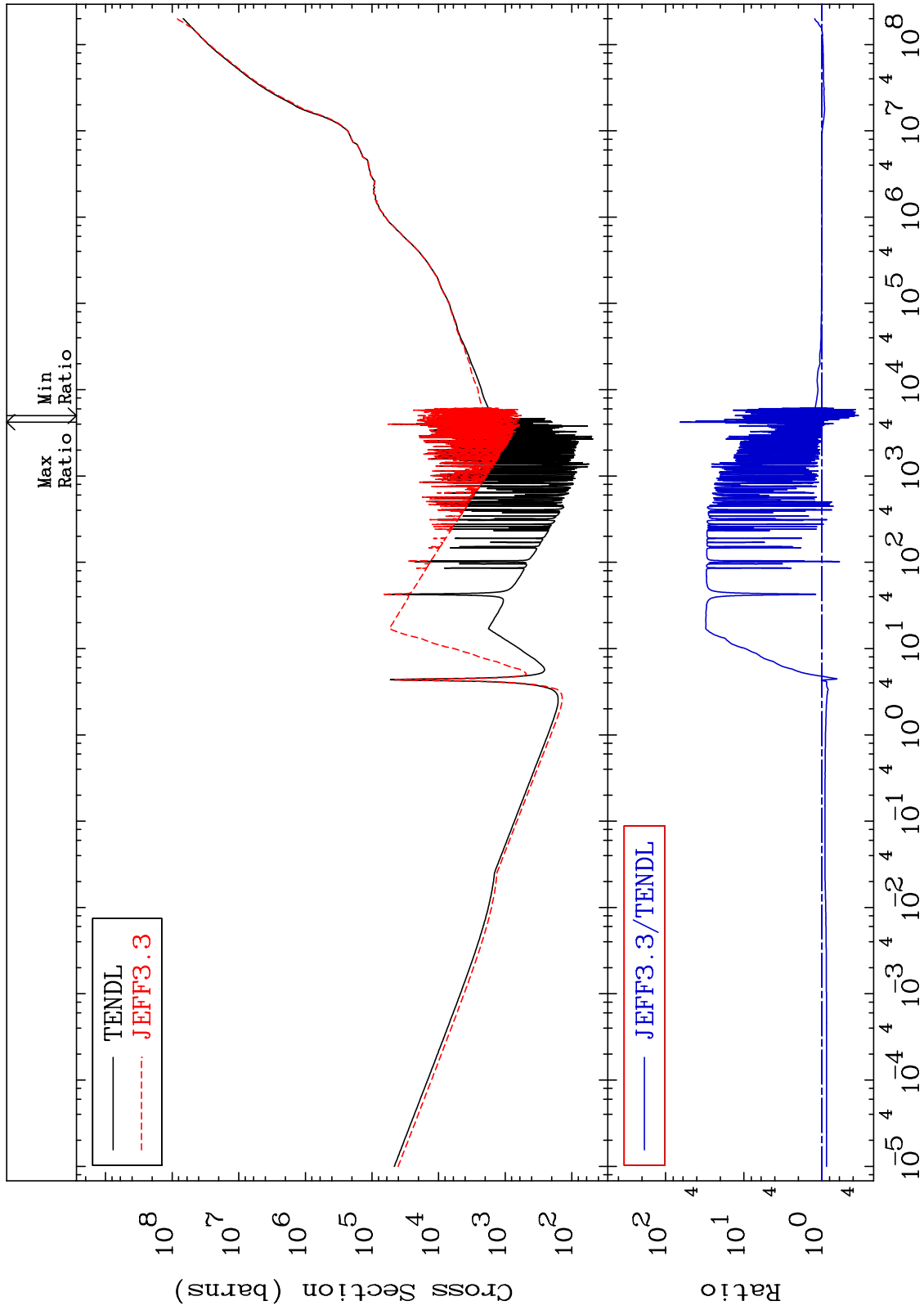
Incident Energy (eV)

60-Nd-145

MAT 6034

Total kinematic kerma (high limit)
Cross Section

60-Nd-145
-65.80 To 6434. %



74

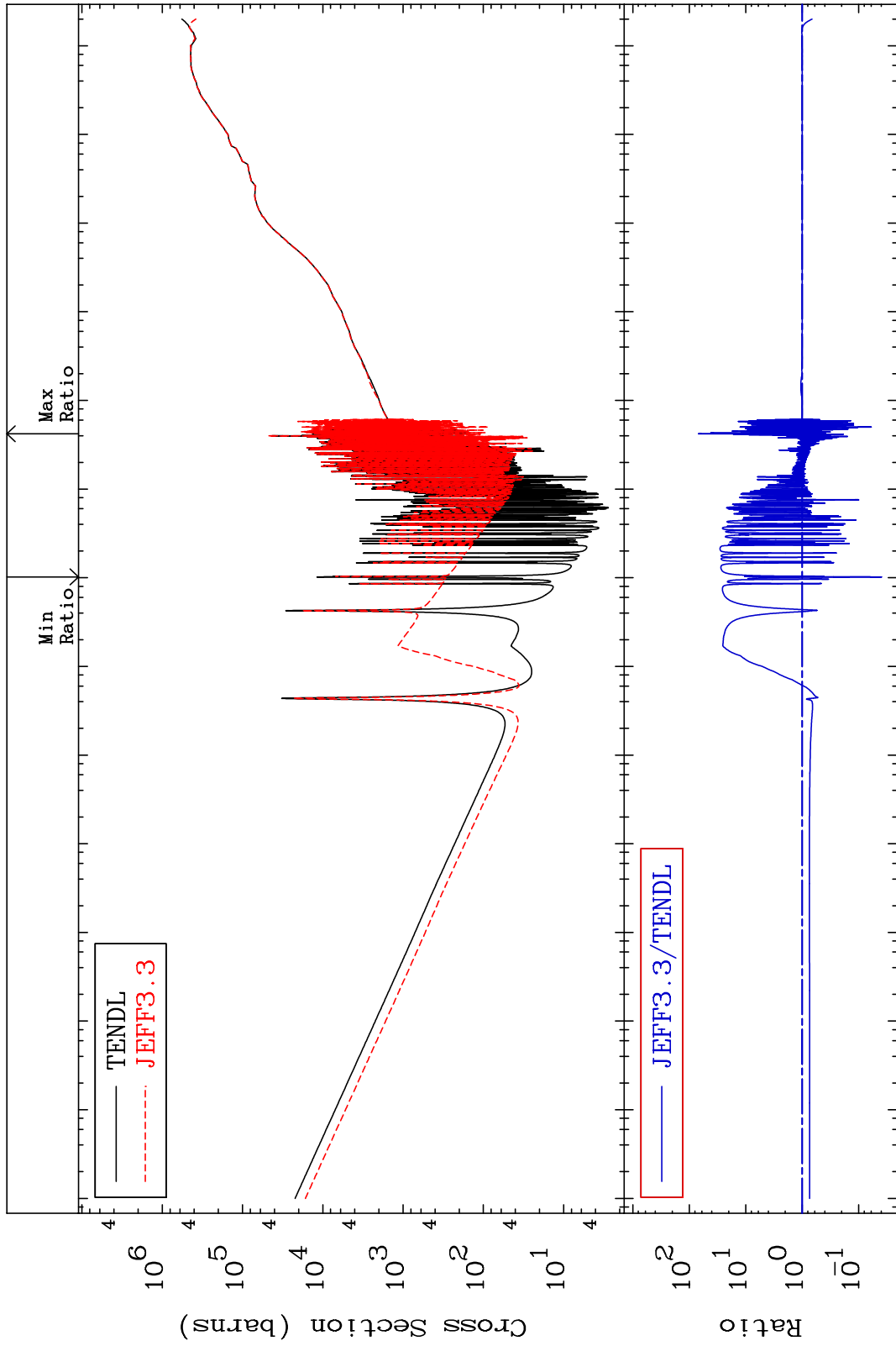
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa total (eV-barns)
Cross Section

60-Nd-145
-96.06 To 6827. %



75

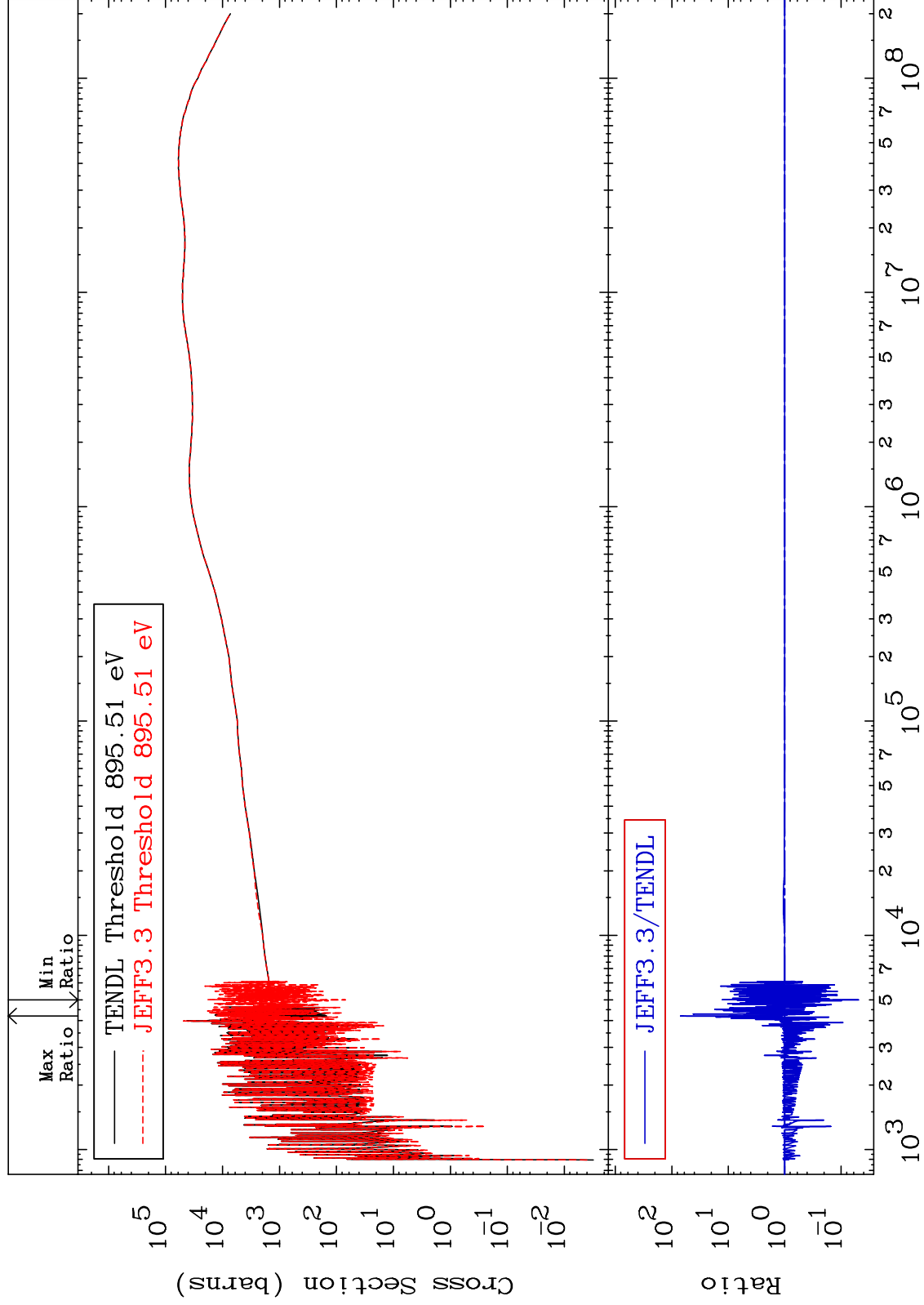
Incident Energy (eV)

60-Nd-145

MAT 6034

Dpa elastic (mt2)
Cross Section

60-Nd-145
-95.08 To 6929. %



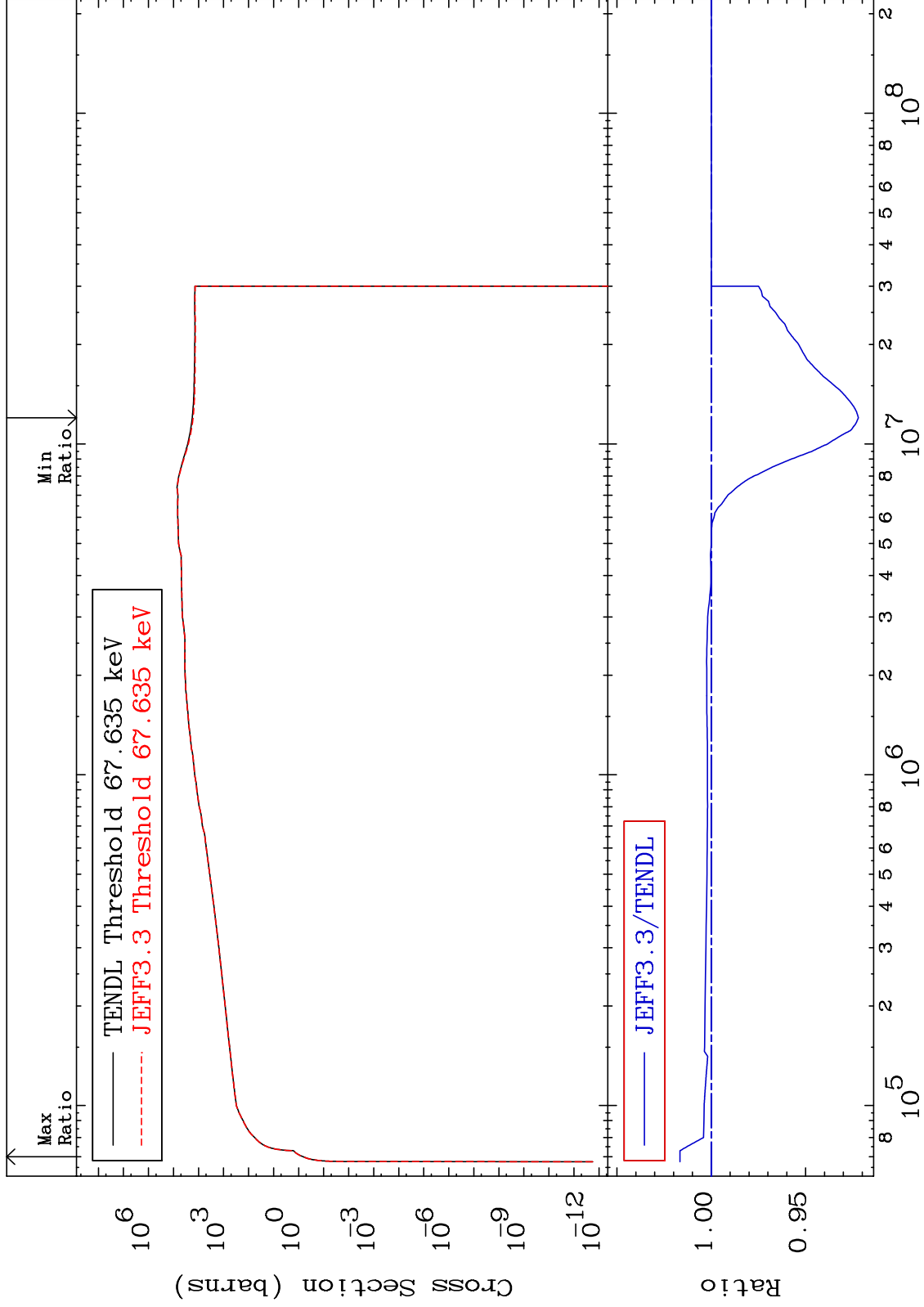
76

60-Nd-145

MAT 6034

Dpa inelastic (mt51-91)
Cross Section

60-Nd-145
-7.795 To 1.657 %



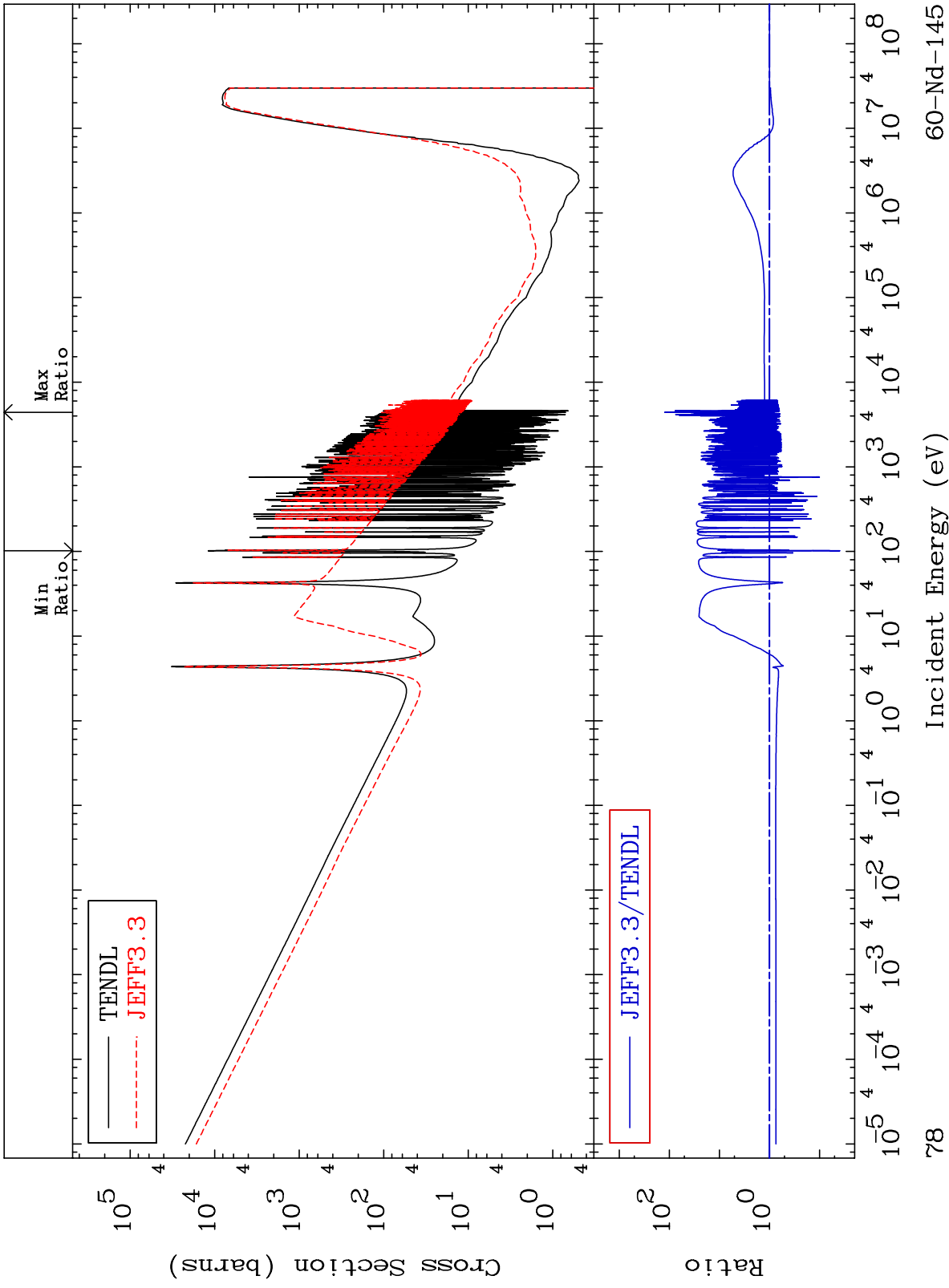
77

60-Nd-145

MAT 6034

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-145
-96.06 To 9999. %

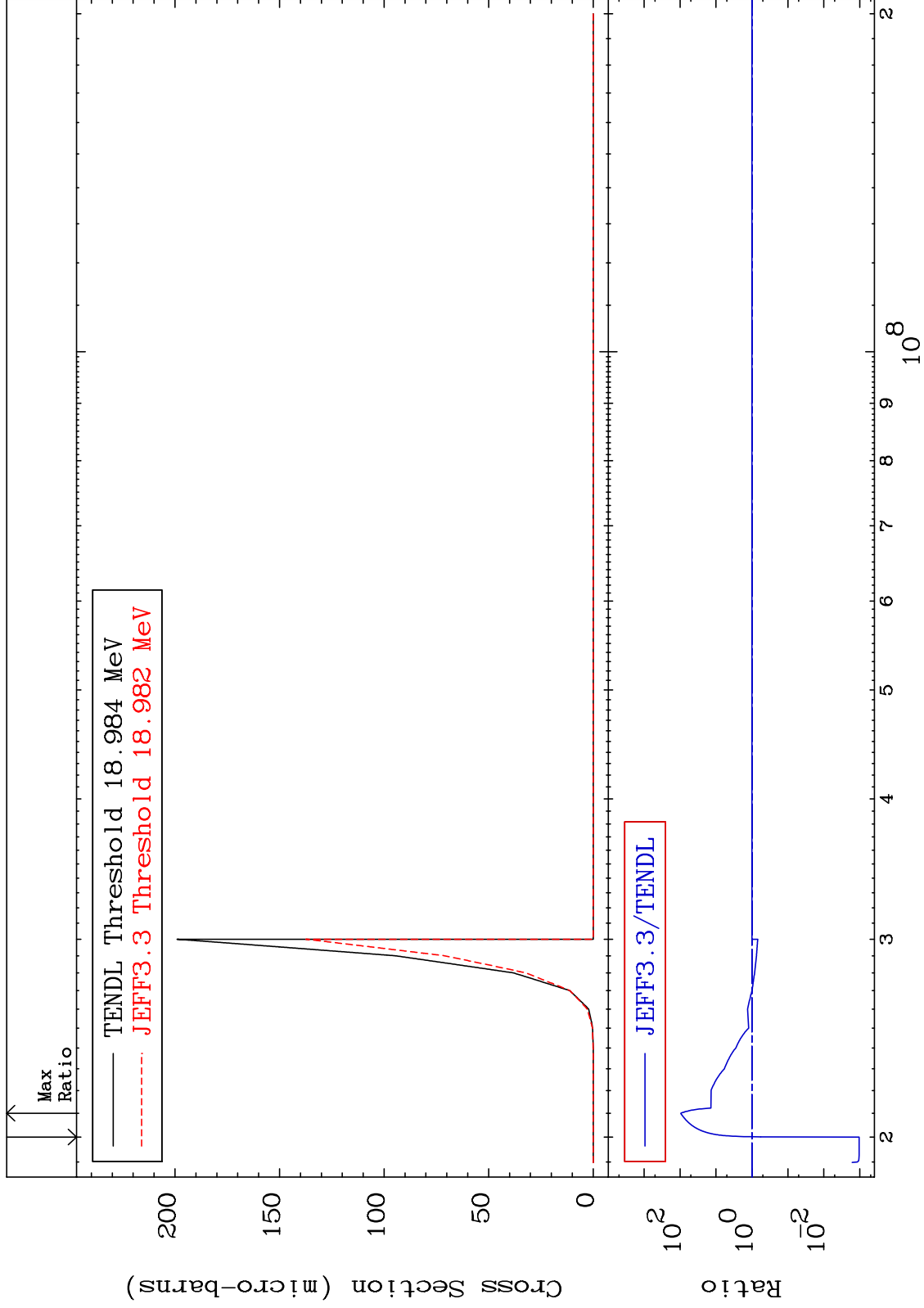


MAT 6034

(n,2n) d:59-Pr-142g

60-Nd-145

Radionuclide Production Cross Section -99.90 To 9535. %



79

Incident Energy (eV)

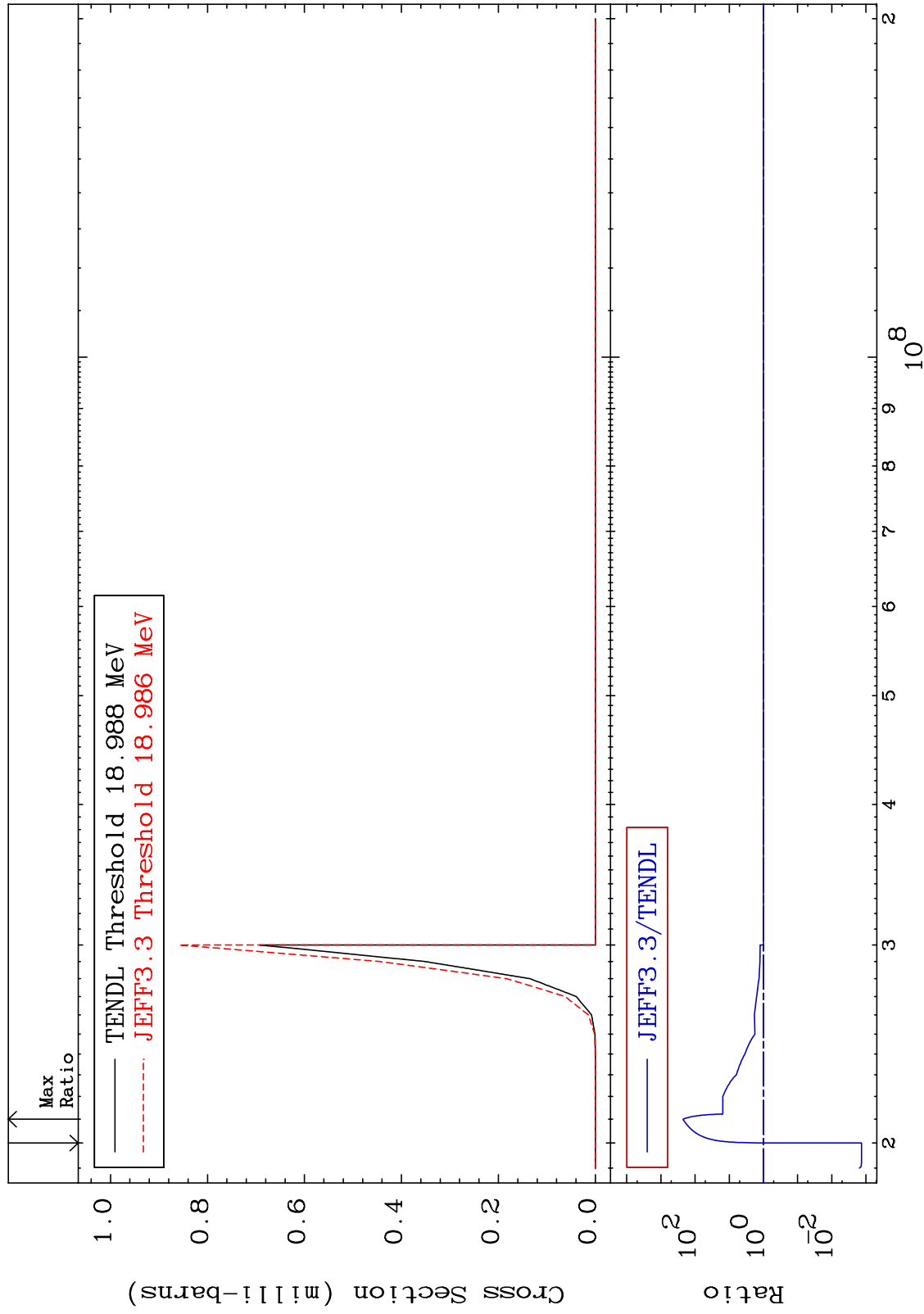
60-Nd-145

MAT 6034

(n,2n) d:59-Pr-142m1

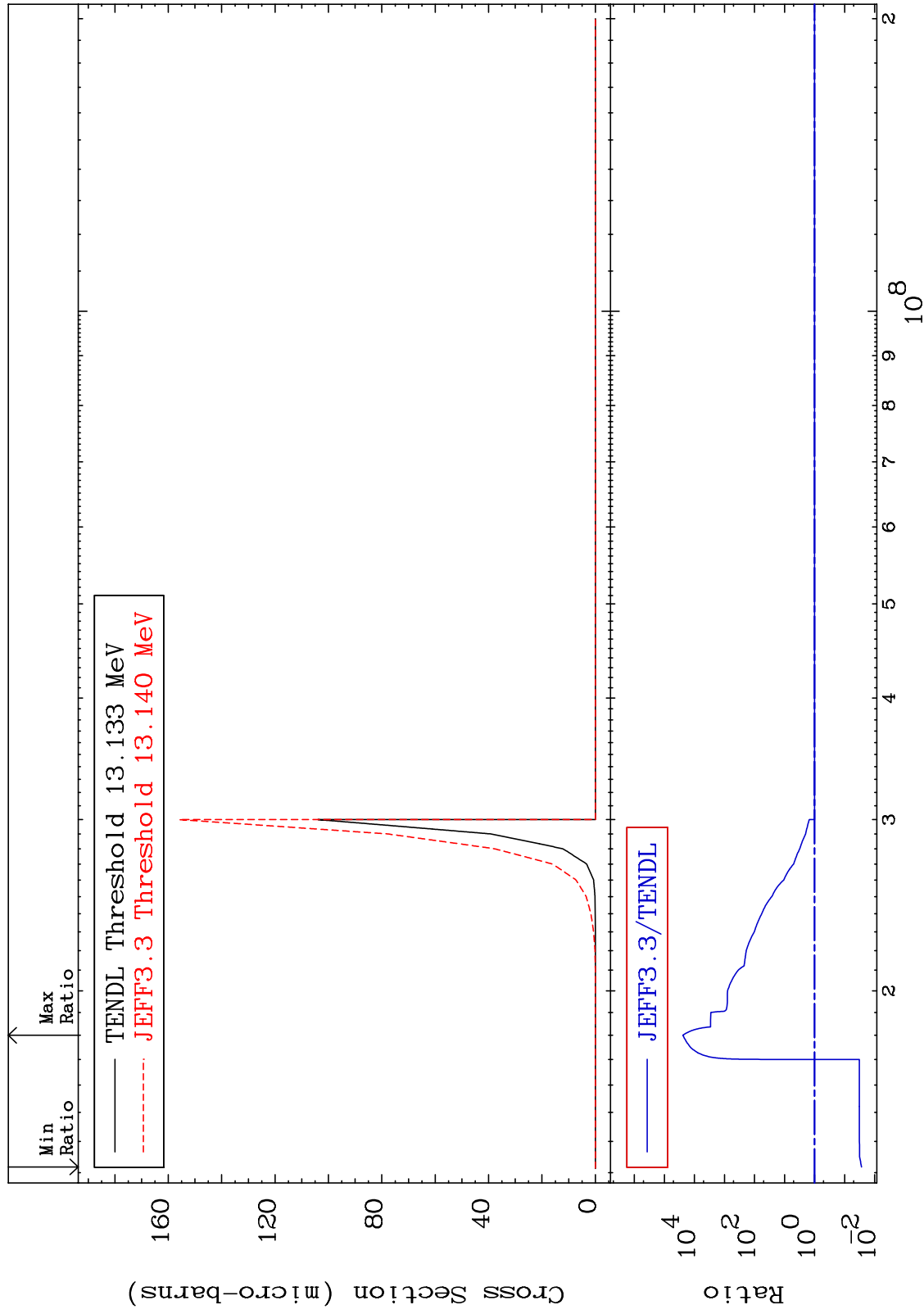
60-Nd-145

Radionuclide Production Cross Section -99.87 To 9999. %



MAT 6034

(n,3n) α :58-Ce-139g 60-Nd-145
Radionuclide Production Cross Section -97.28 To 9999. %

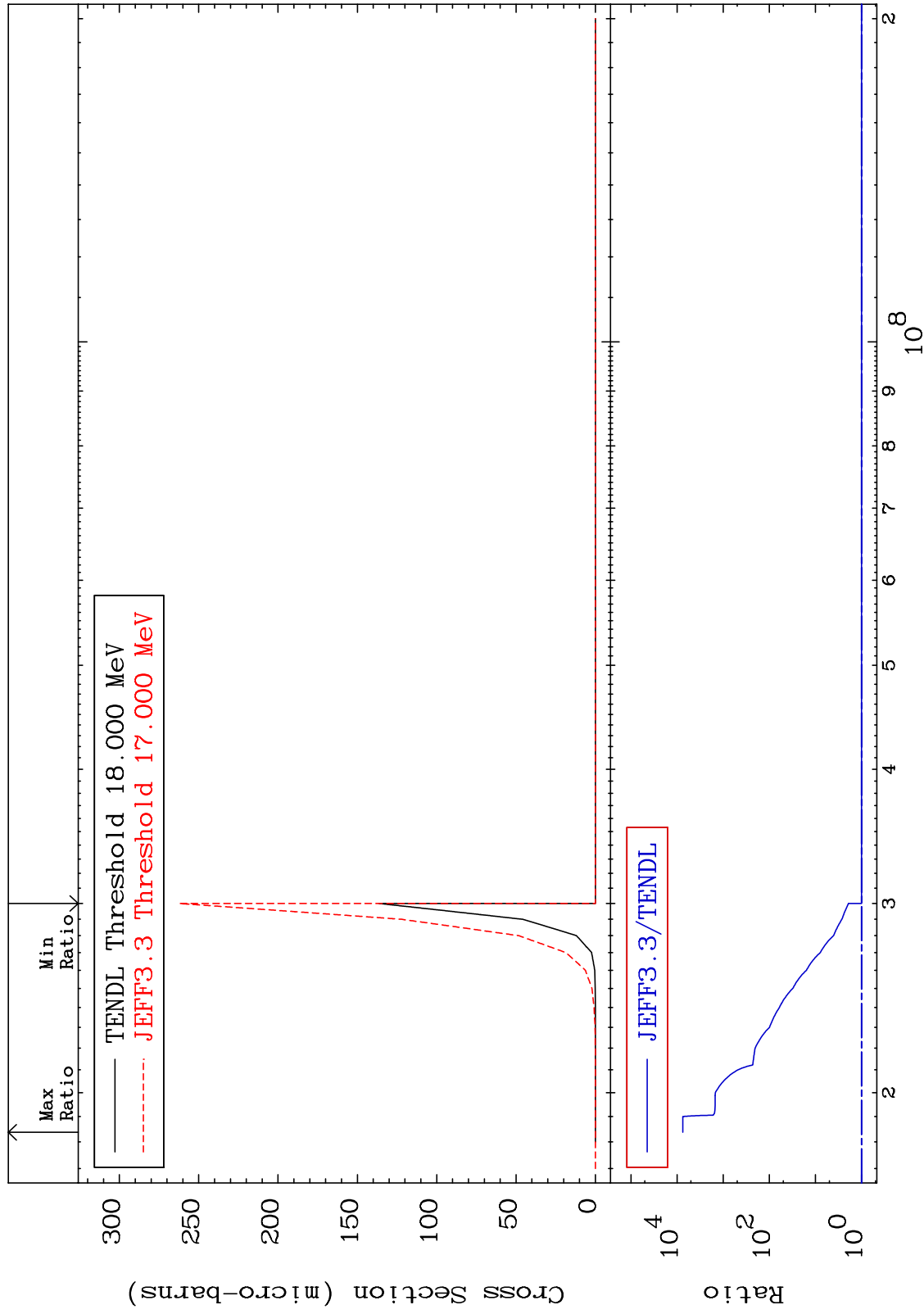


MAT 6034

(n,3n) α :58-Ce-139m2

60-Nd-145

Radionuclide Production Cross Section 0.000 To 9999. %

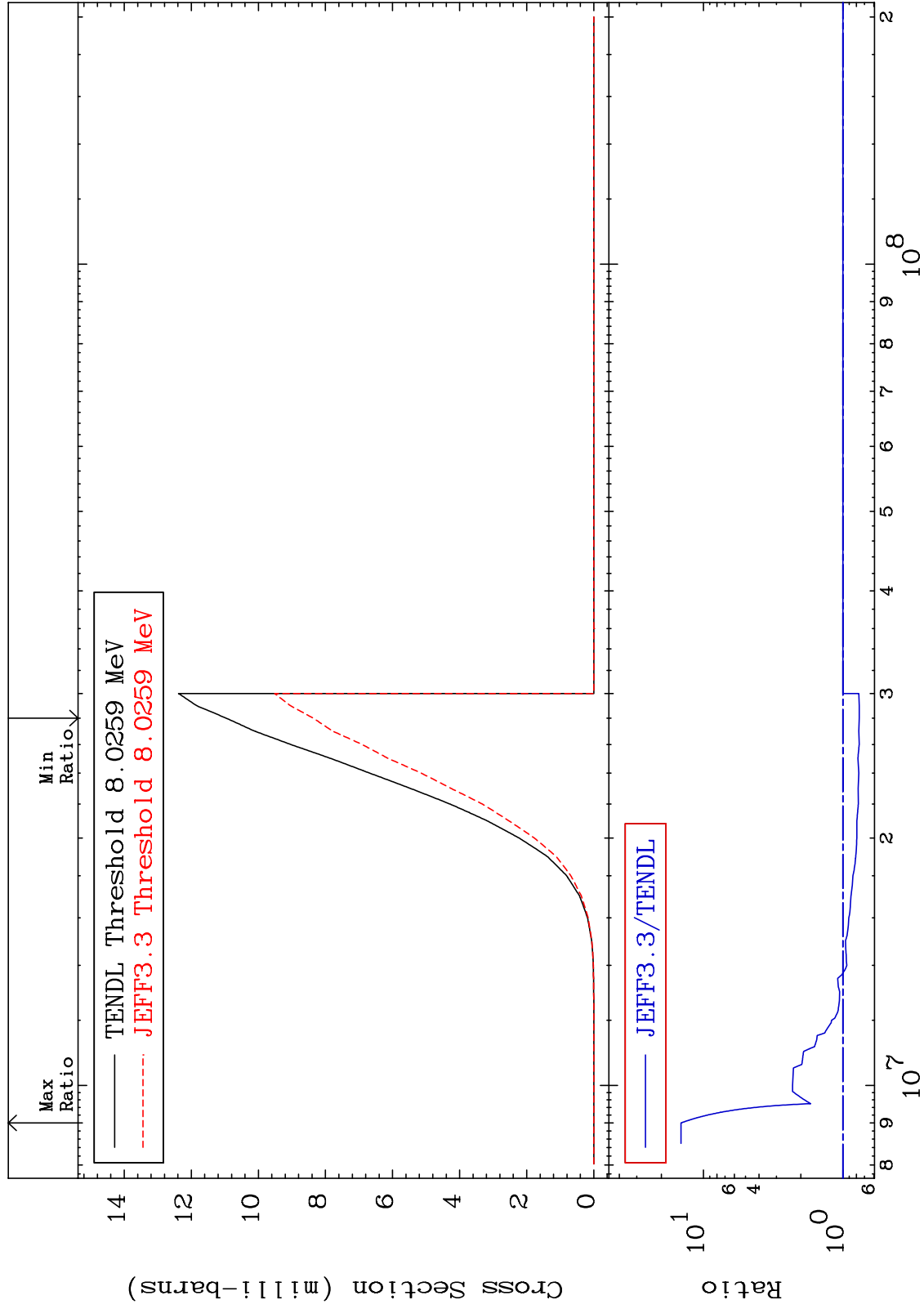


MAT 6034

(n, n') p:59-Pr-144g

60-Nd-145

Radionuclide Production Cross Section -23.66 To 1345. %



83

Incident Energy (eV)

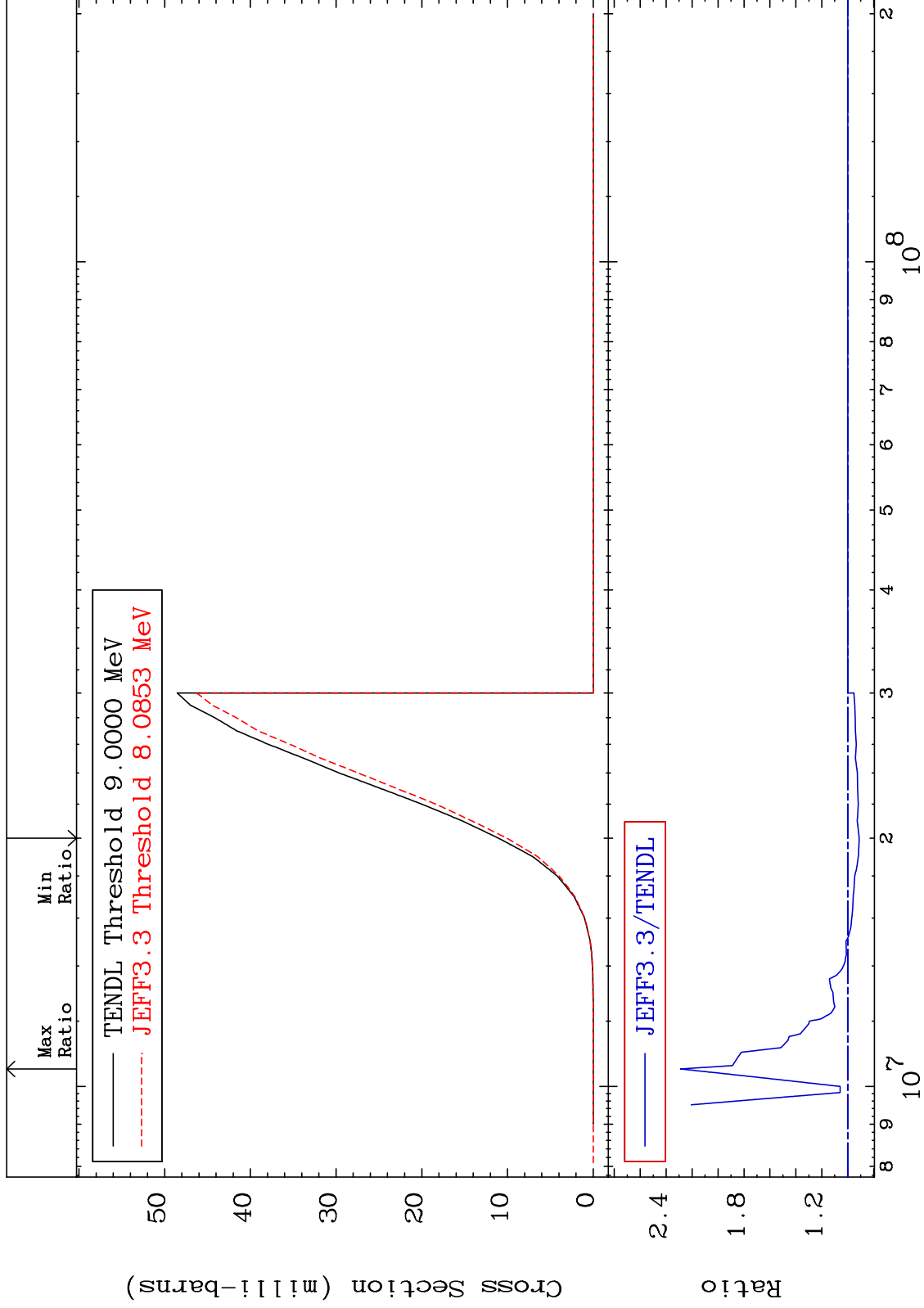
60-Nd-145

MAT 6034

(n, n') p:59-Pr-144m1

60-Nd-145

Radionuclide Production Cross Section -8.820 To 128.8 %

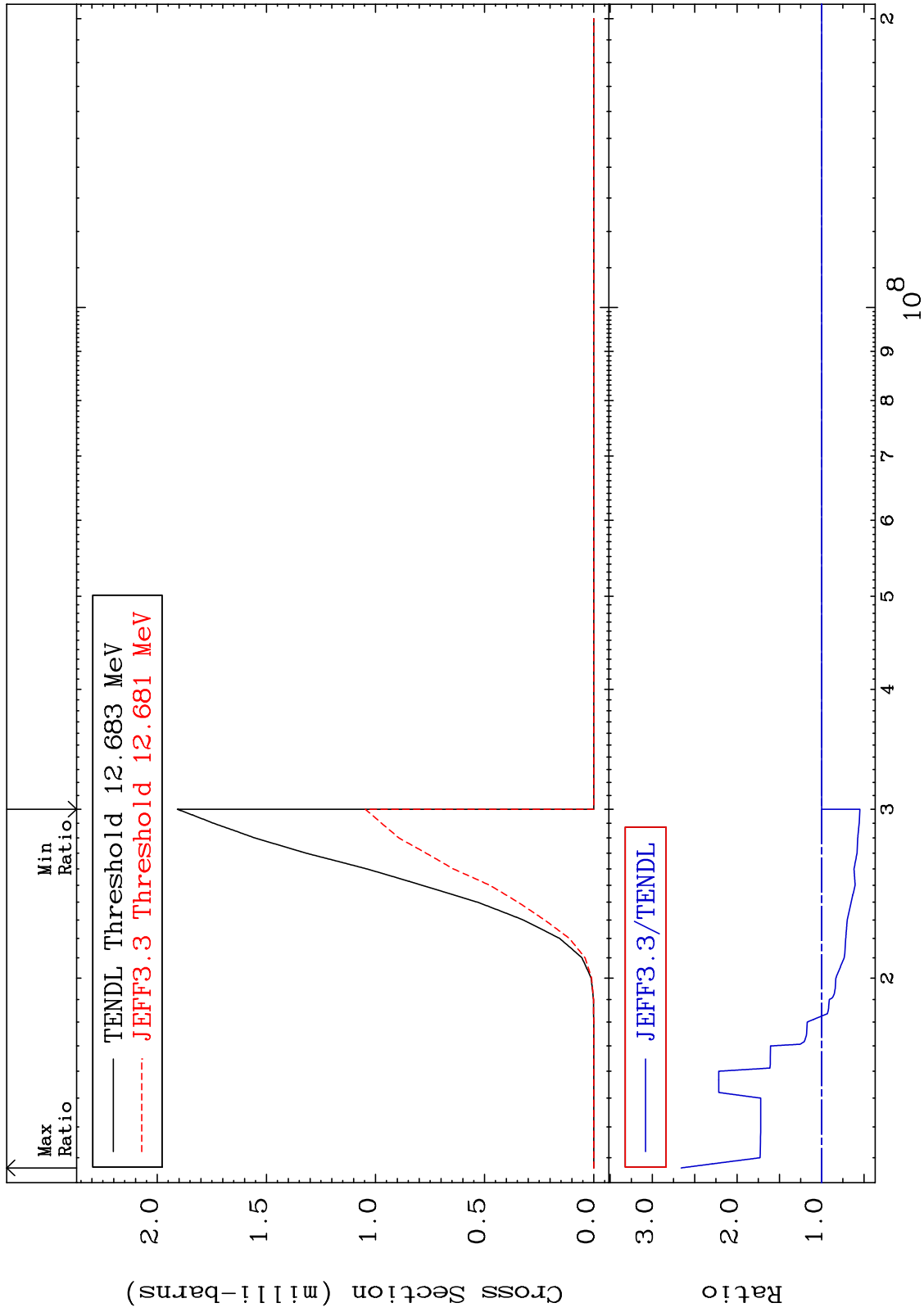


MAT 6034

(n, n') t:59-Pr-142g

60-Nd-145

Radionuclide Production Cross Section -45.12 To 166.0 %

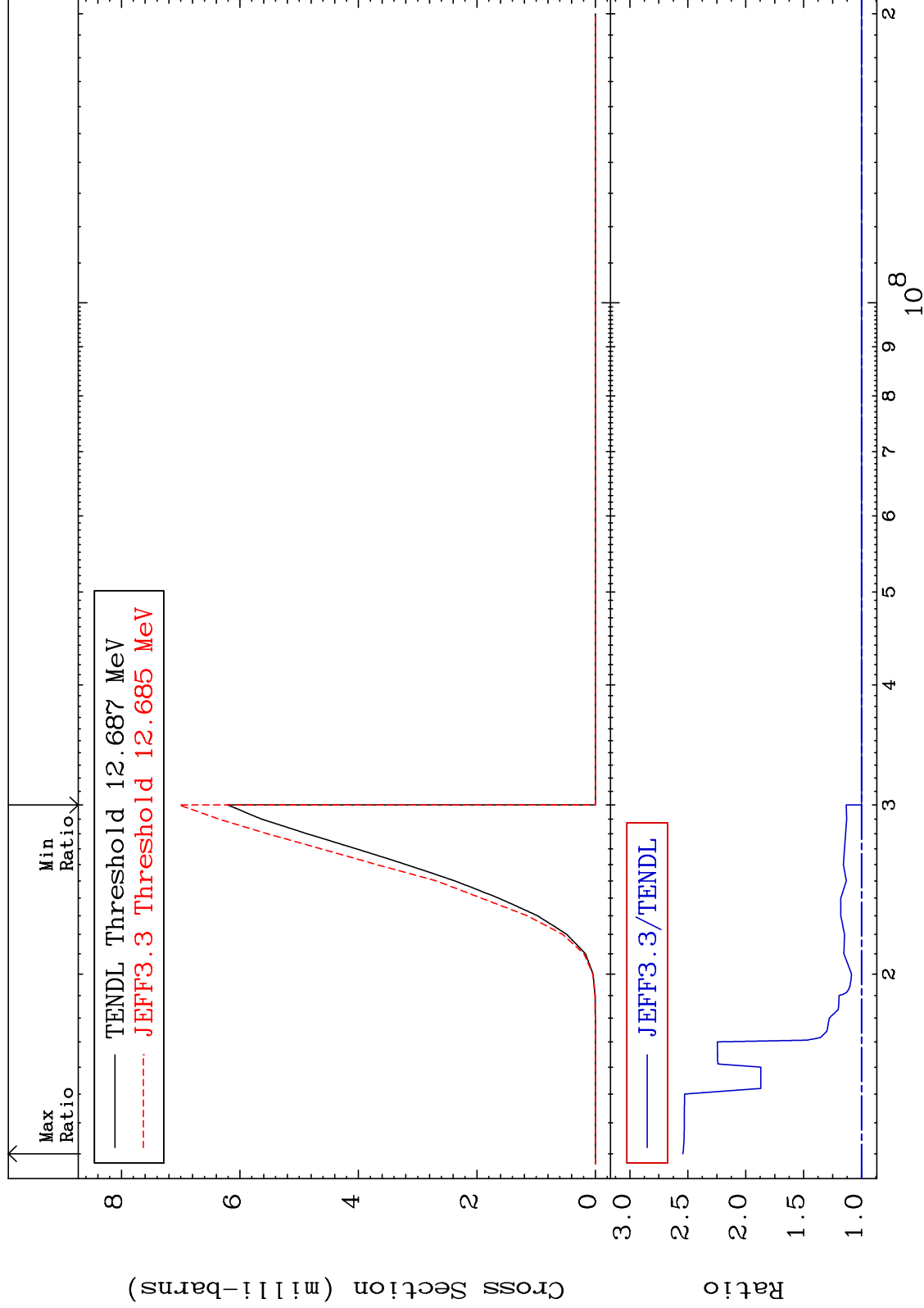


MAT 6034

(n, n') t:59-Pr-142m1

60-Nd-145

Radionuclide Production Cross Section 0.000 To 154.3 %

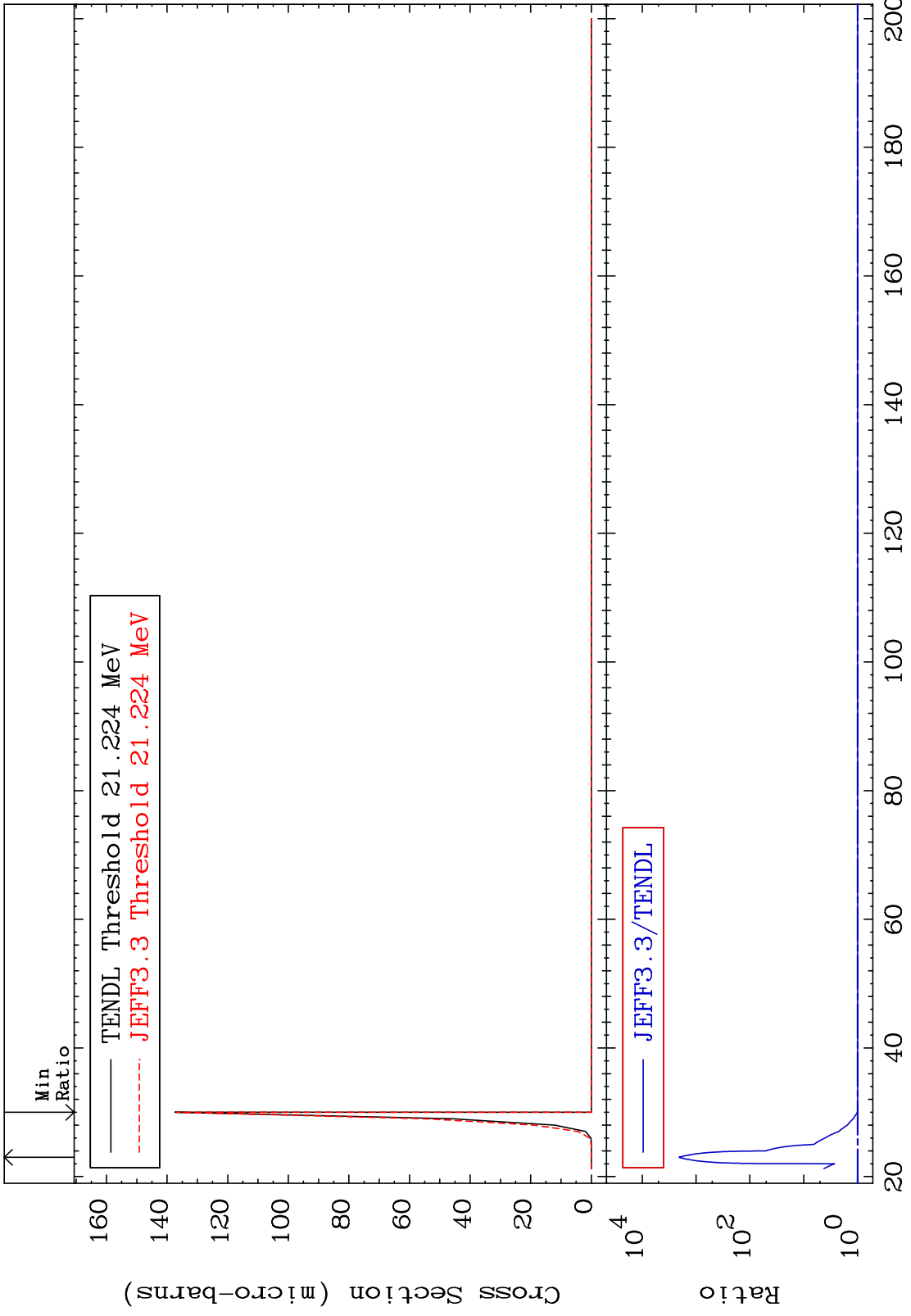


MAT 6034

(n,3n) p:59-Pr-142g

60-Nd-145

Radionuclide Production Cross Section -0.311 To 9999. %



87

Incident Energy (MeV)

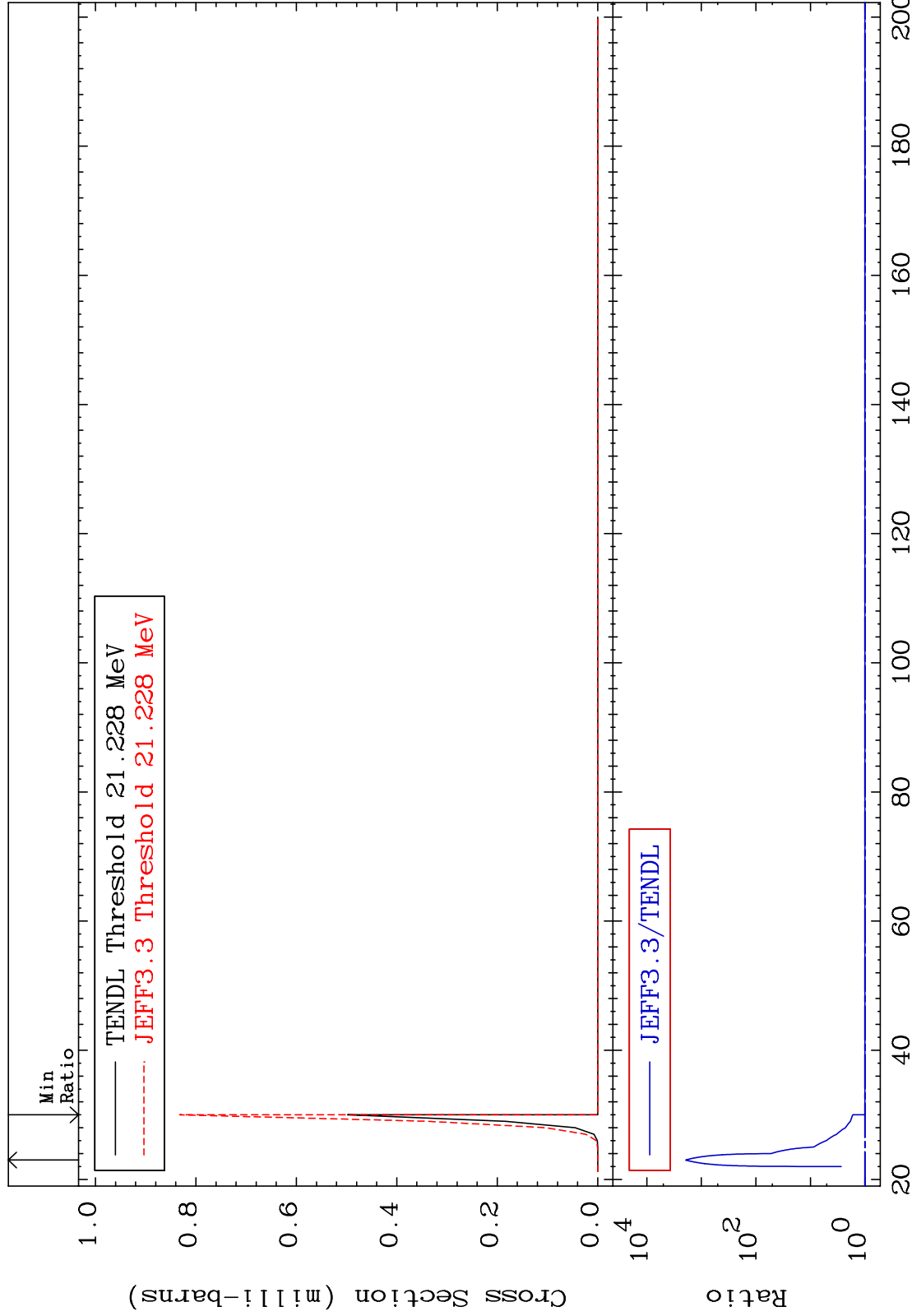
60-Nd-145

MAT 6034

(n,3n) p:59-Pr-142m1

60-Nd-145

Radionuclide Production Cross Section 0.000 To 9999. %



88

Incident Energy (MeV)

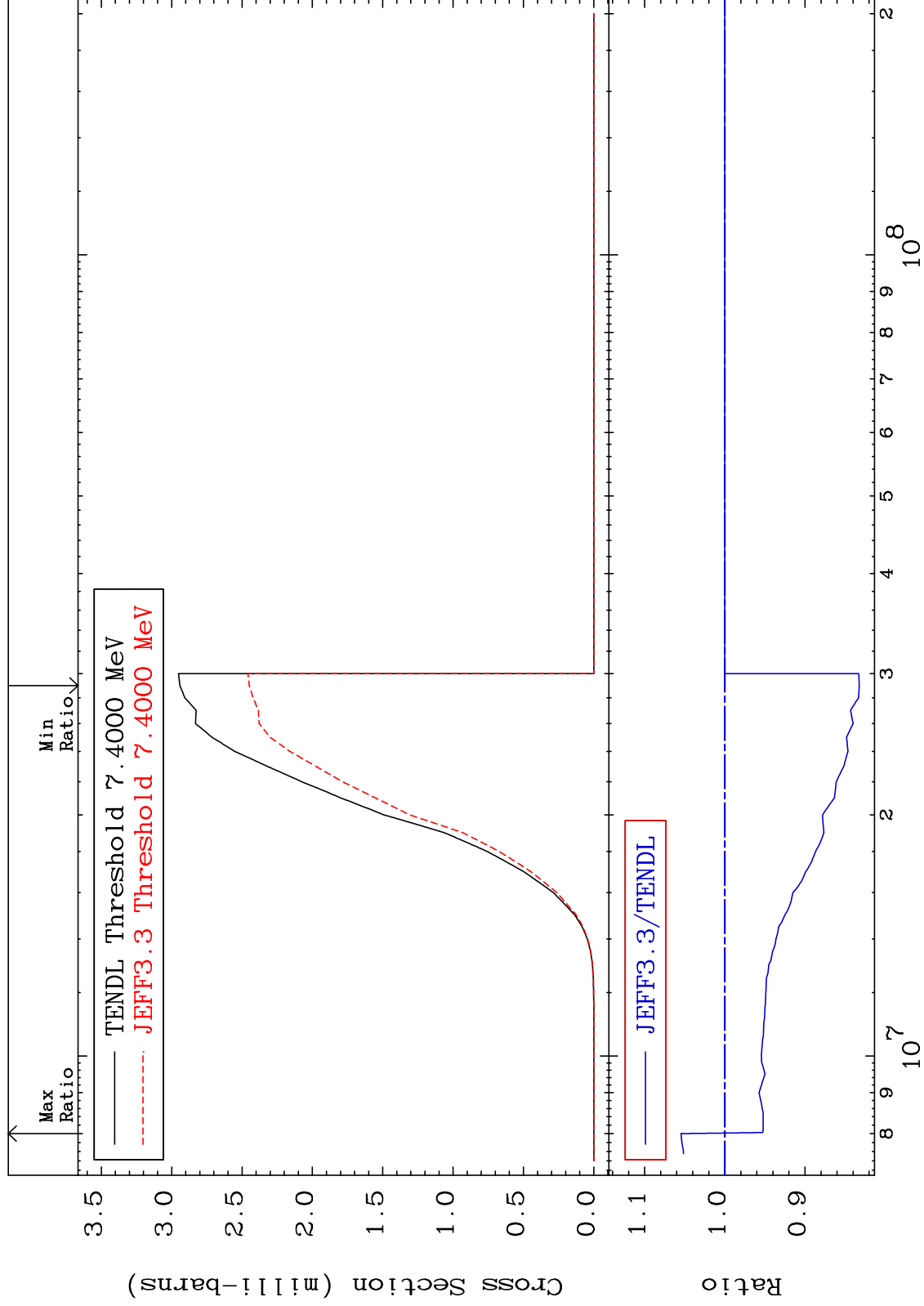
60-Nd-145

MAT 6034

(n,d):59-Pr-144g

60-Nd-145

Radionuclide Production Cross Section -16.77 To 5.461 %

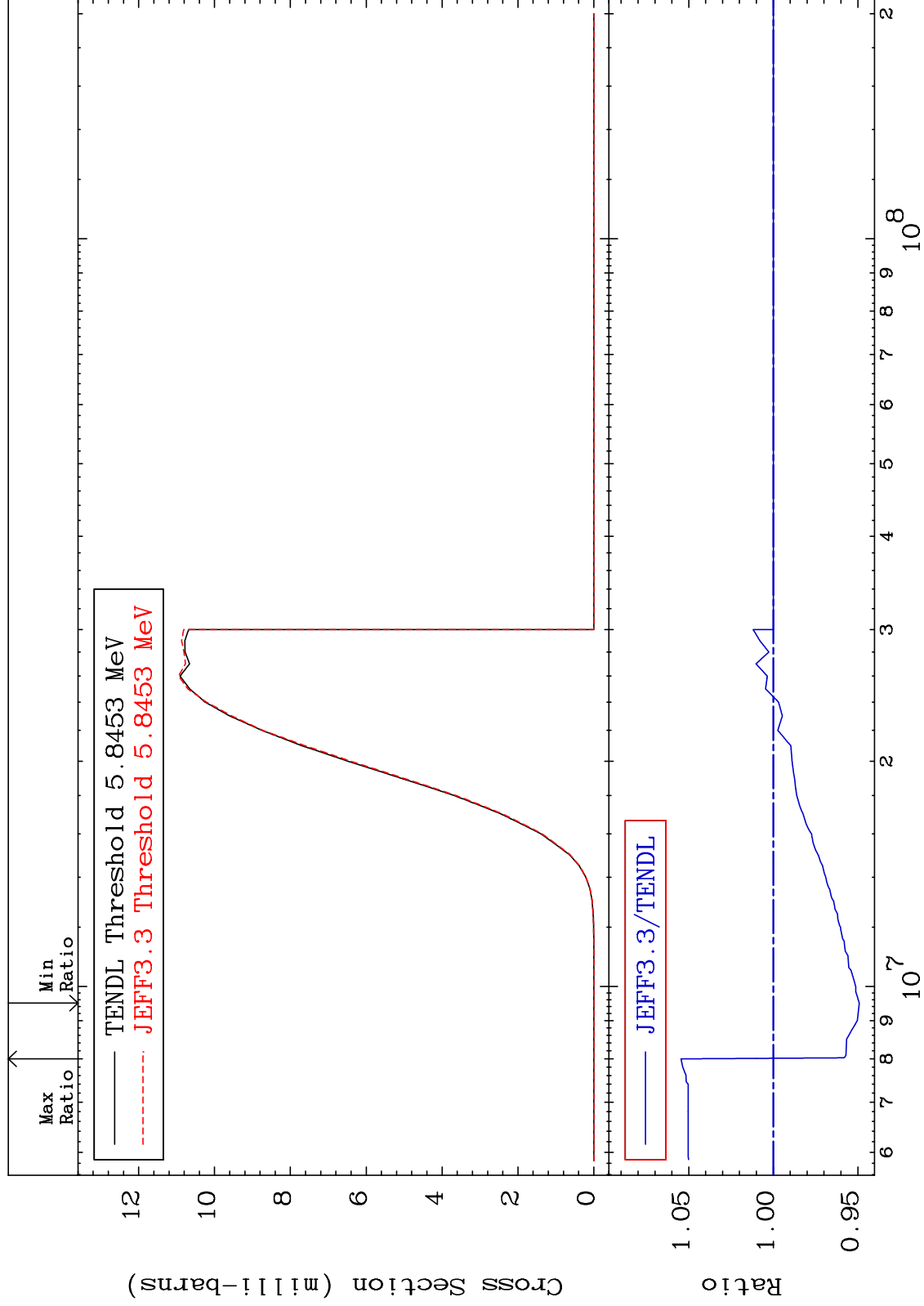


MAT 6034

(n, d) : 59-Pr-144m1

60-Nd-145

Radionuclide Production Cross Section -5.086 To 5.456 %



90

Incident Energy (eV)

60-Nd-145