

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

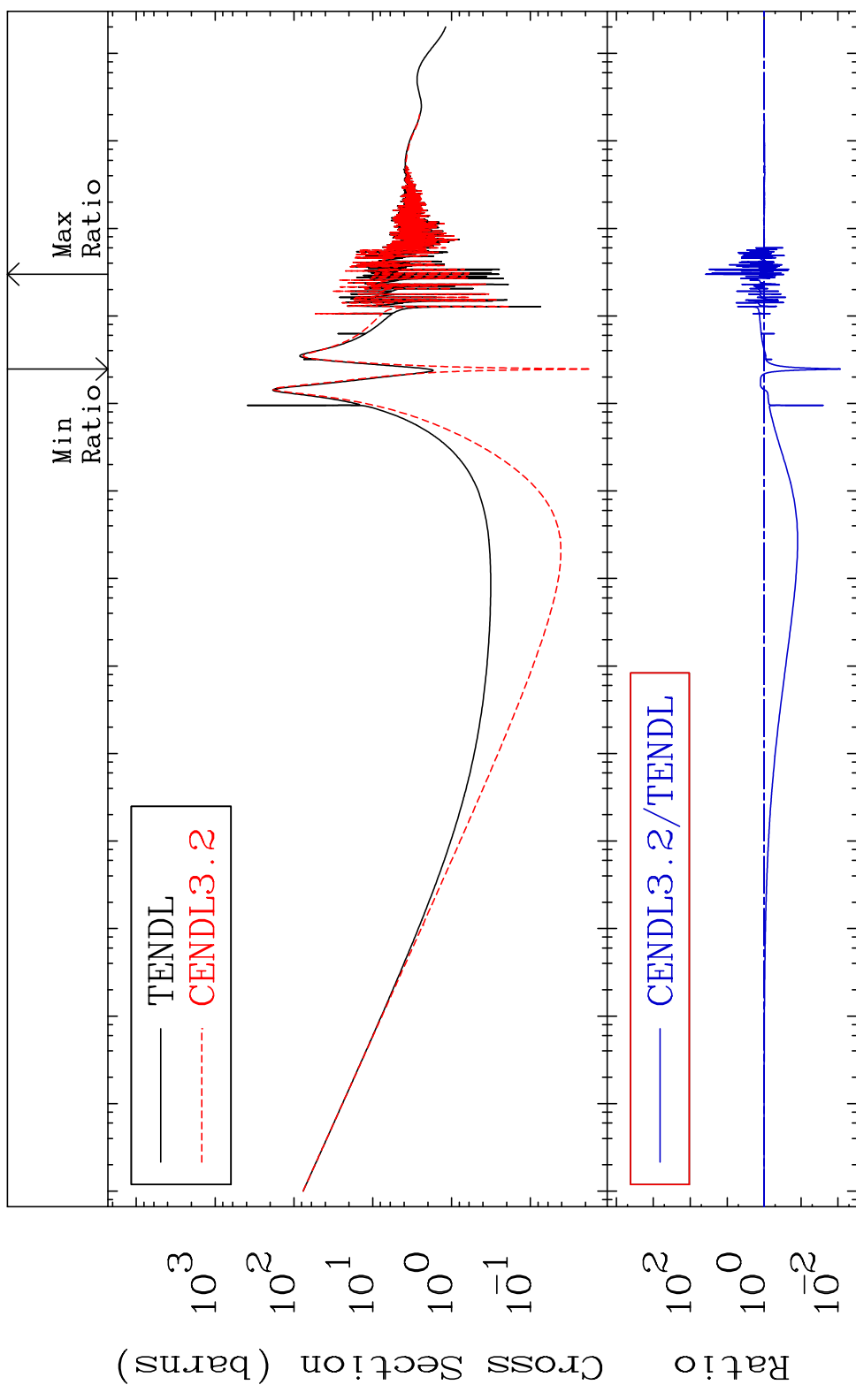
MAT 2843

Total

28-Ni-64

Cross Section

-99.14 To 3693. %



1

Incident Energy (eV)

28-Ni-64

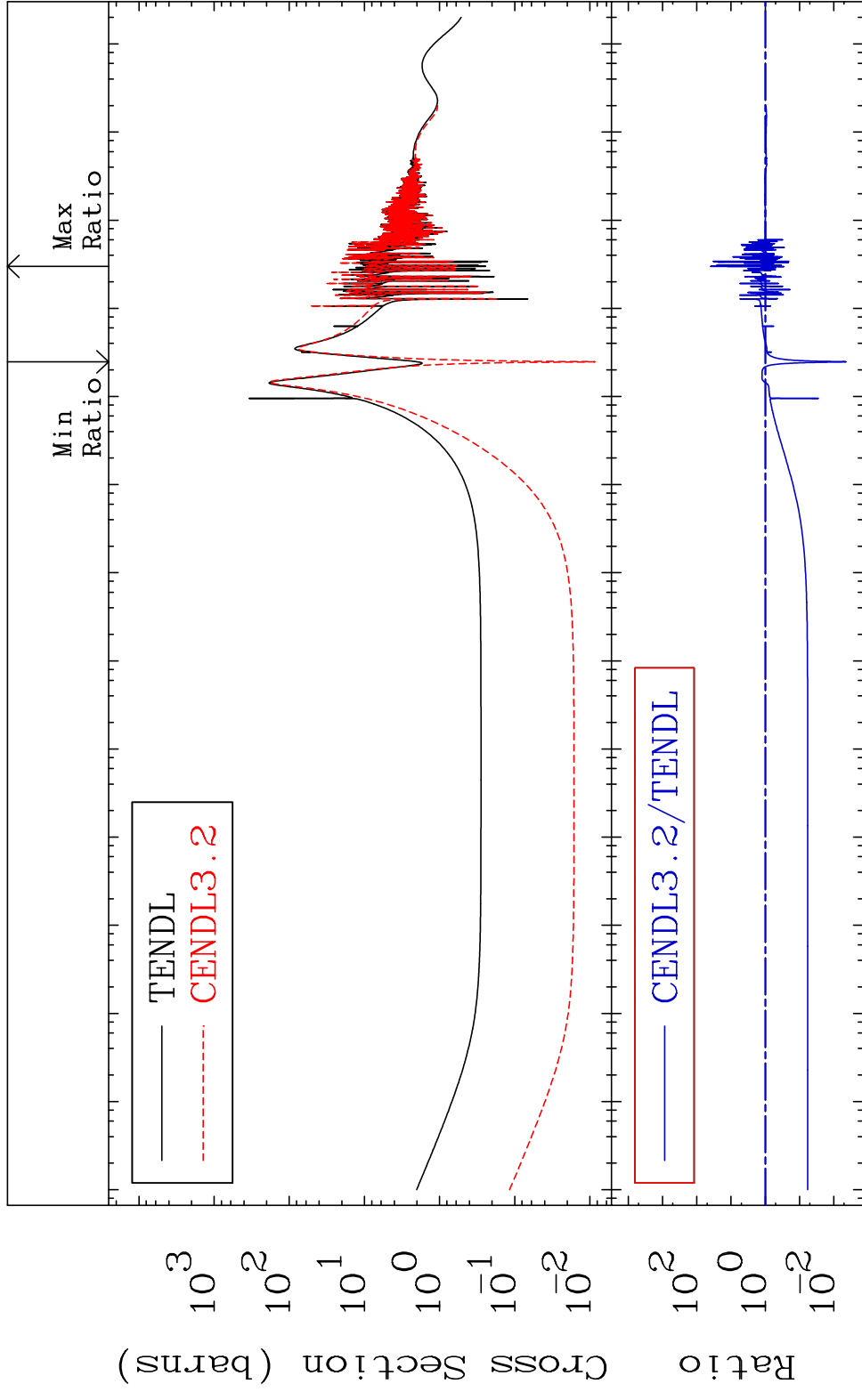
MAT 2843

Elastic

28-Ni-64

Cross Section

-99.57 To 3821. %

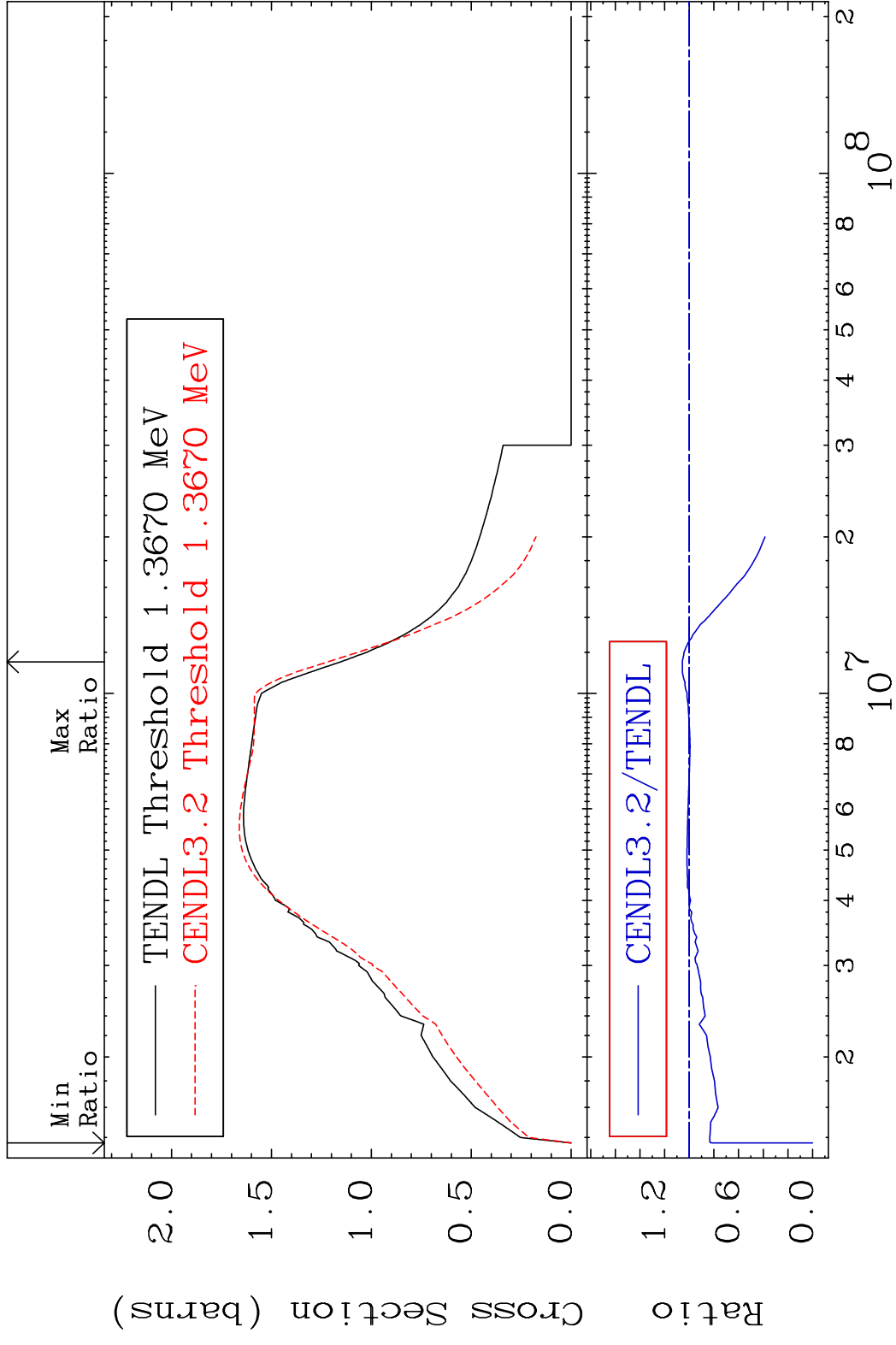


2

Incident Energy (eV)

28-Ni-64

MAT 2843 Inelastic 28-Ni-64
 Cross Section -100.0 To 5.606 %

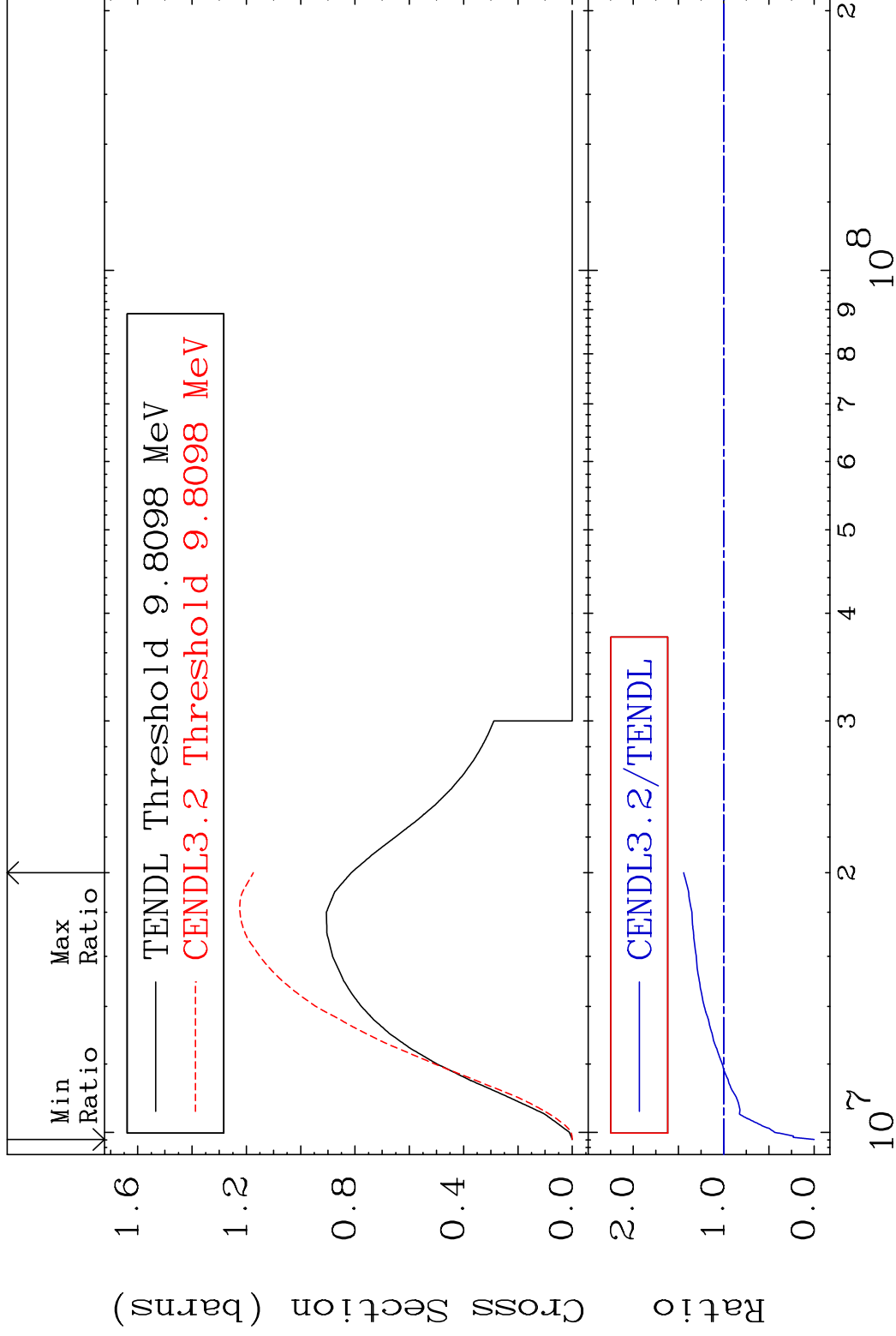


MAT 2843

(n,2n)

28-Ni-64

Cross Section -100.0 To 44.28 %

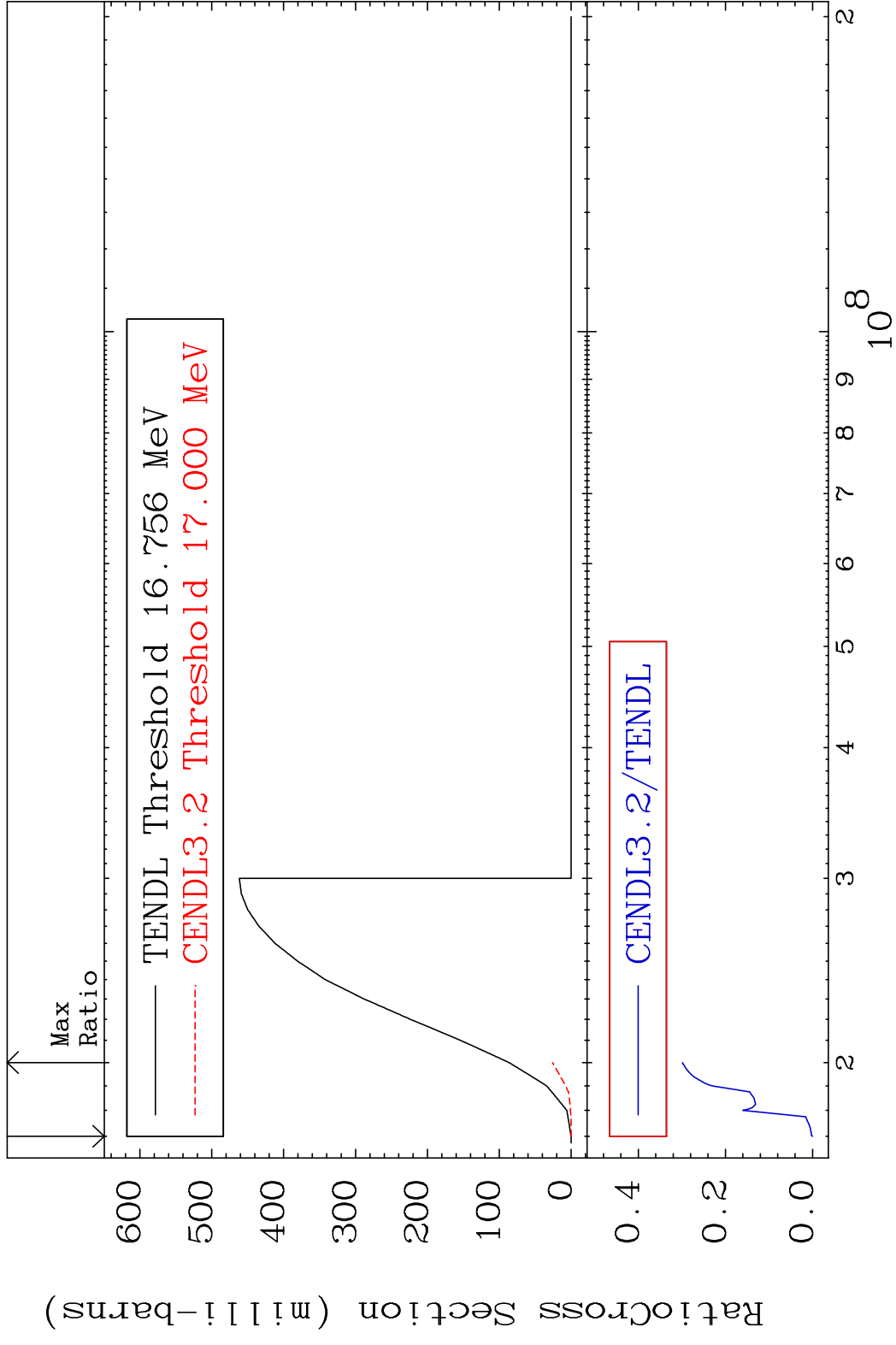


4

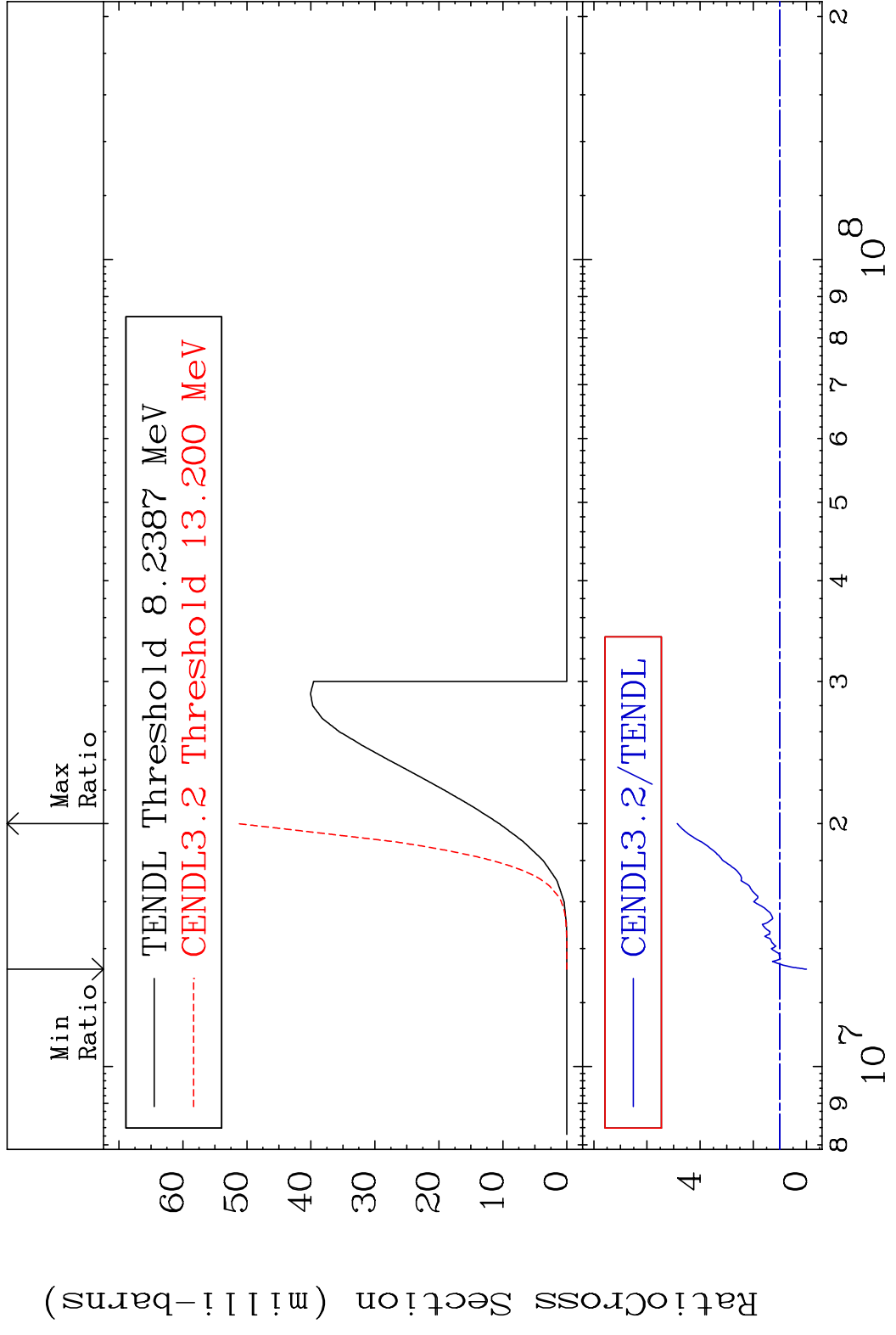
Incident Energy (eV)

28-Ni-64

MAT 2843 (n,3n) 28-Ni-64
 Cross Section -100.0 To -70.11%



MAT 2843 $(n, n') \alpha$ $^{28}\text{Ni-64}$
 Cross Section -100.0 To 386.4 %



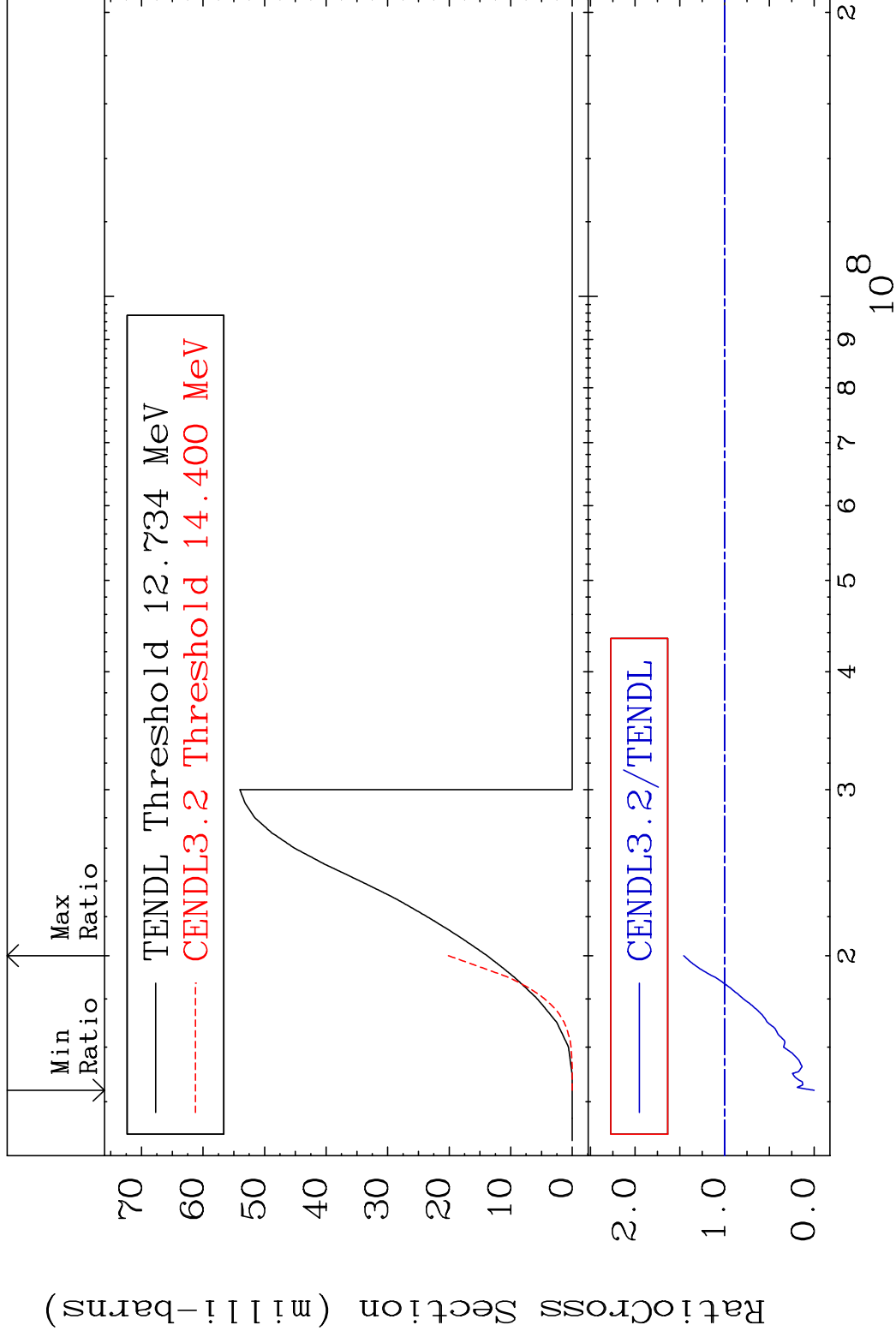
6 8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 28-Ni-64

MAT 2843

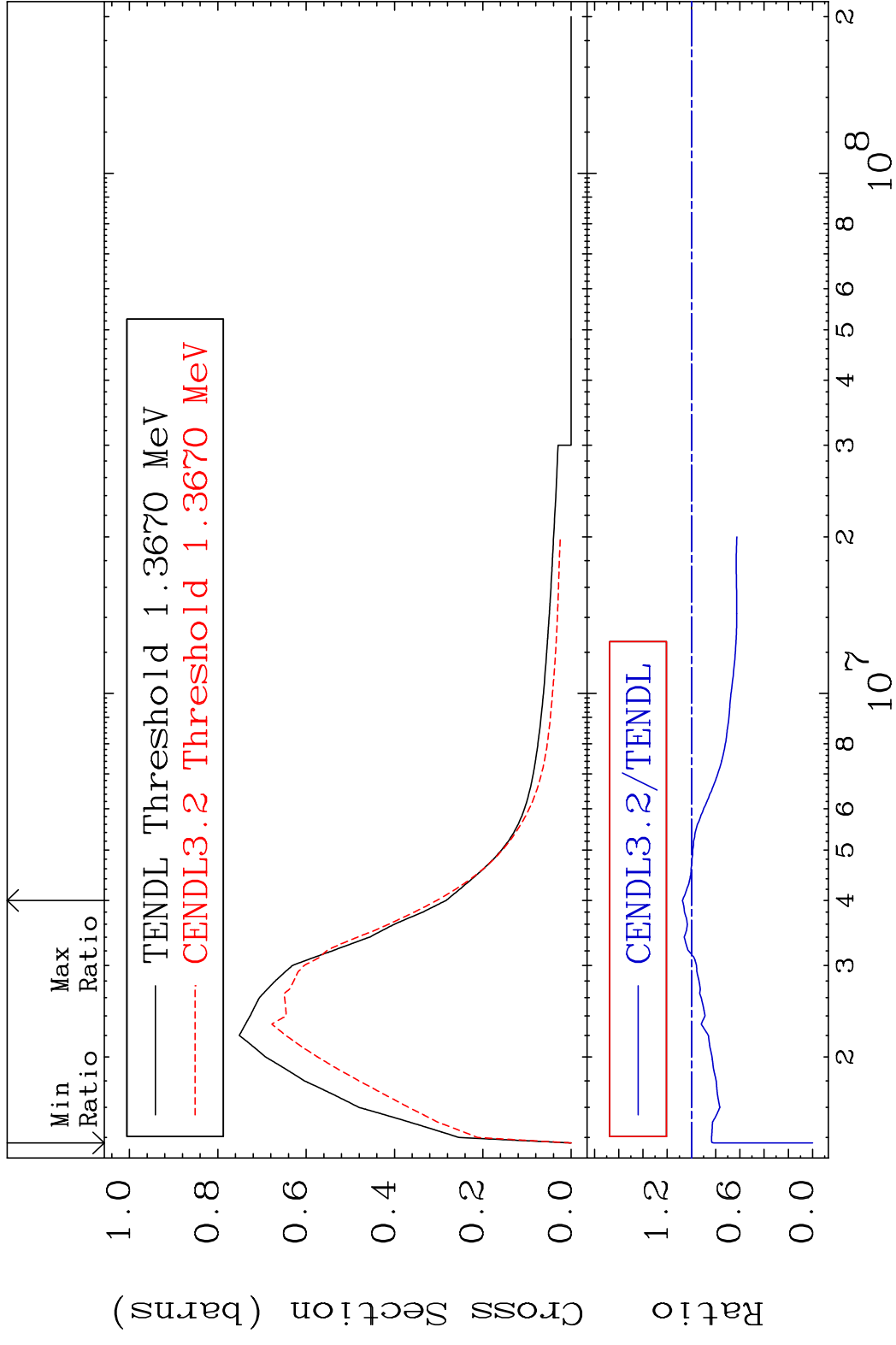
(n, n') p

²⁸Ni-64

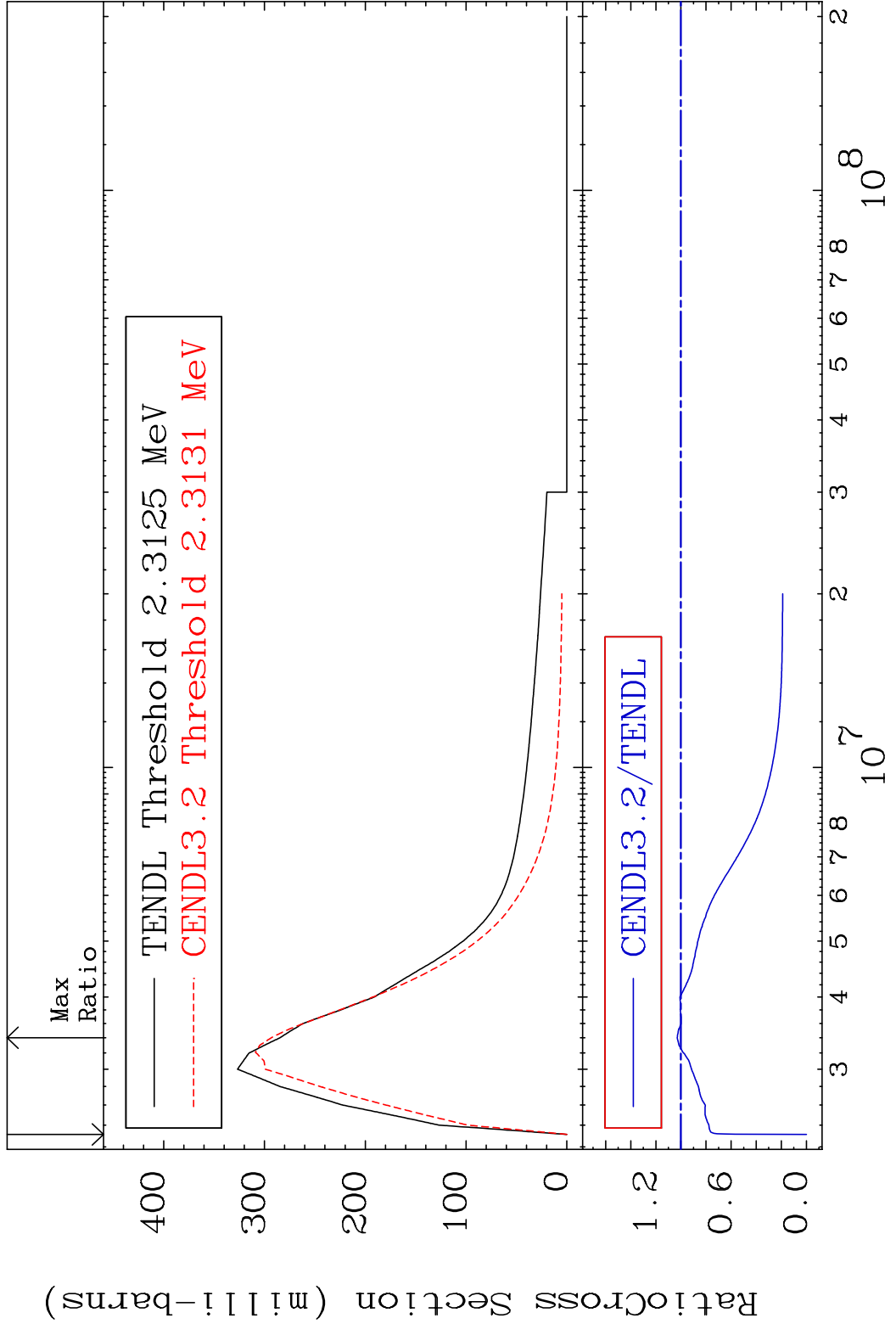
Cross Section -100.0 To 45.77 %



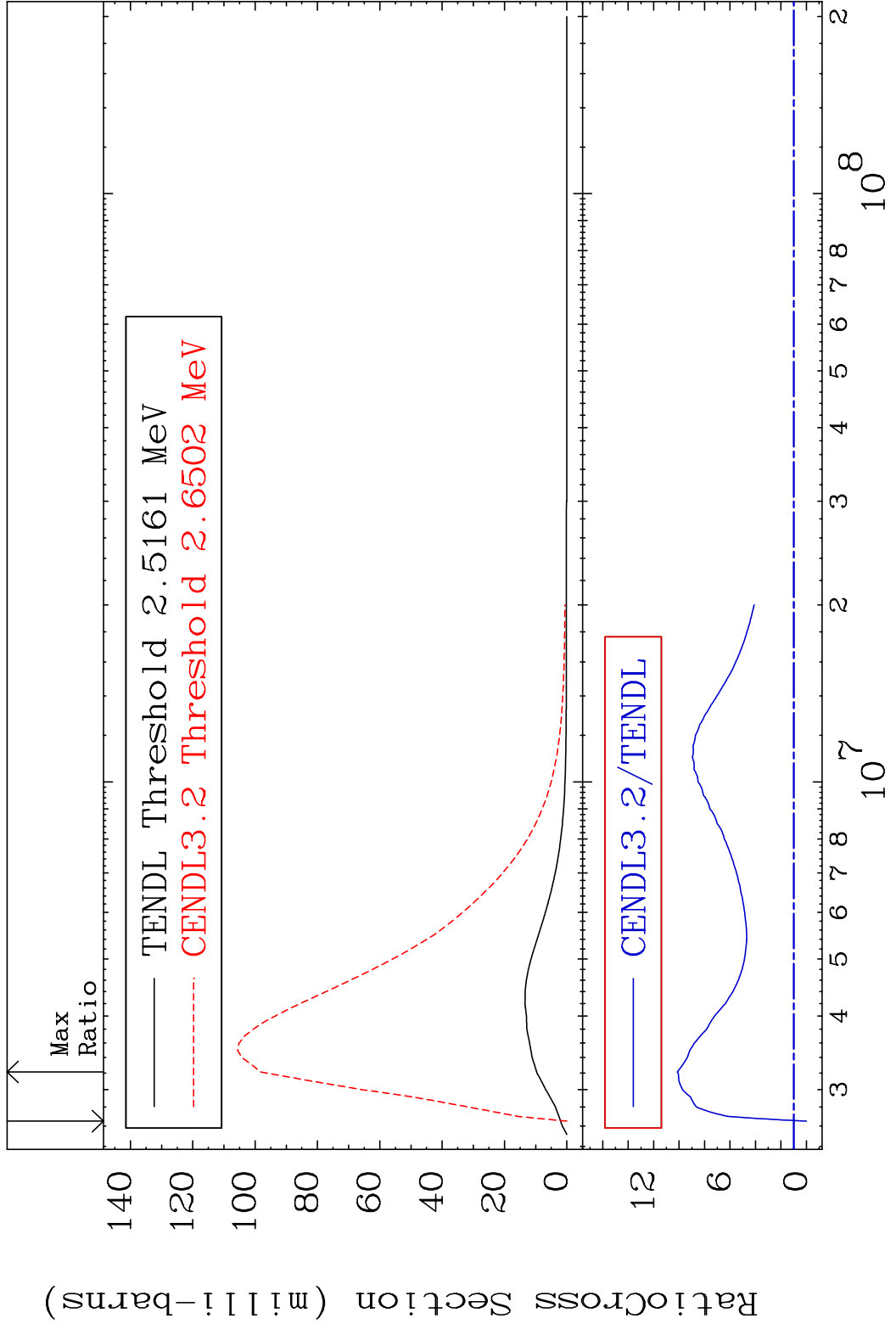
MAT 2843 MT= 51 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 7.490 %



MAT 2843 MT= 52 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 2.987 %

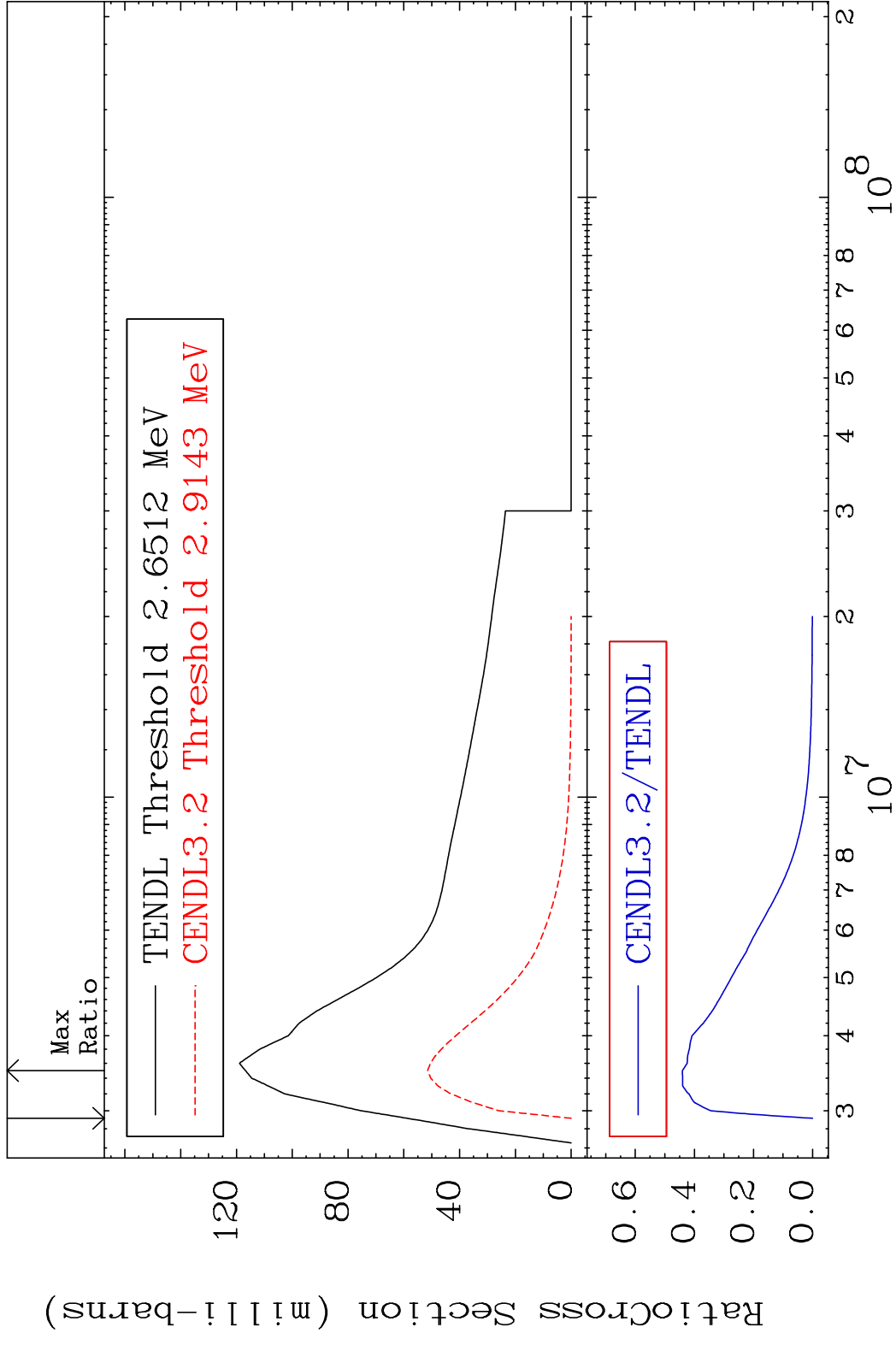


MAT 2843 MT= 53 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 915.1 %

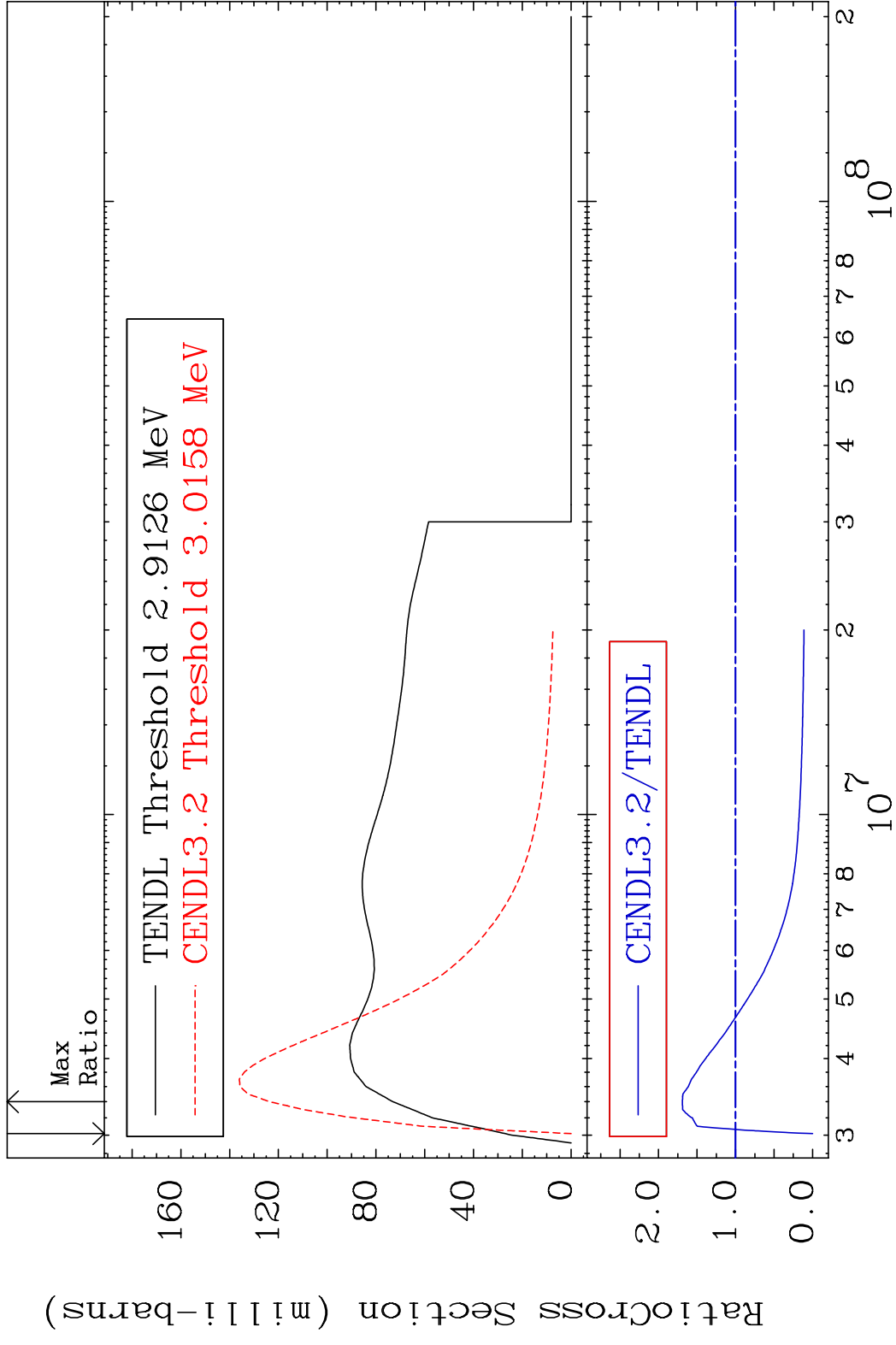


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 28-Ni-64

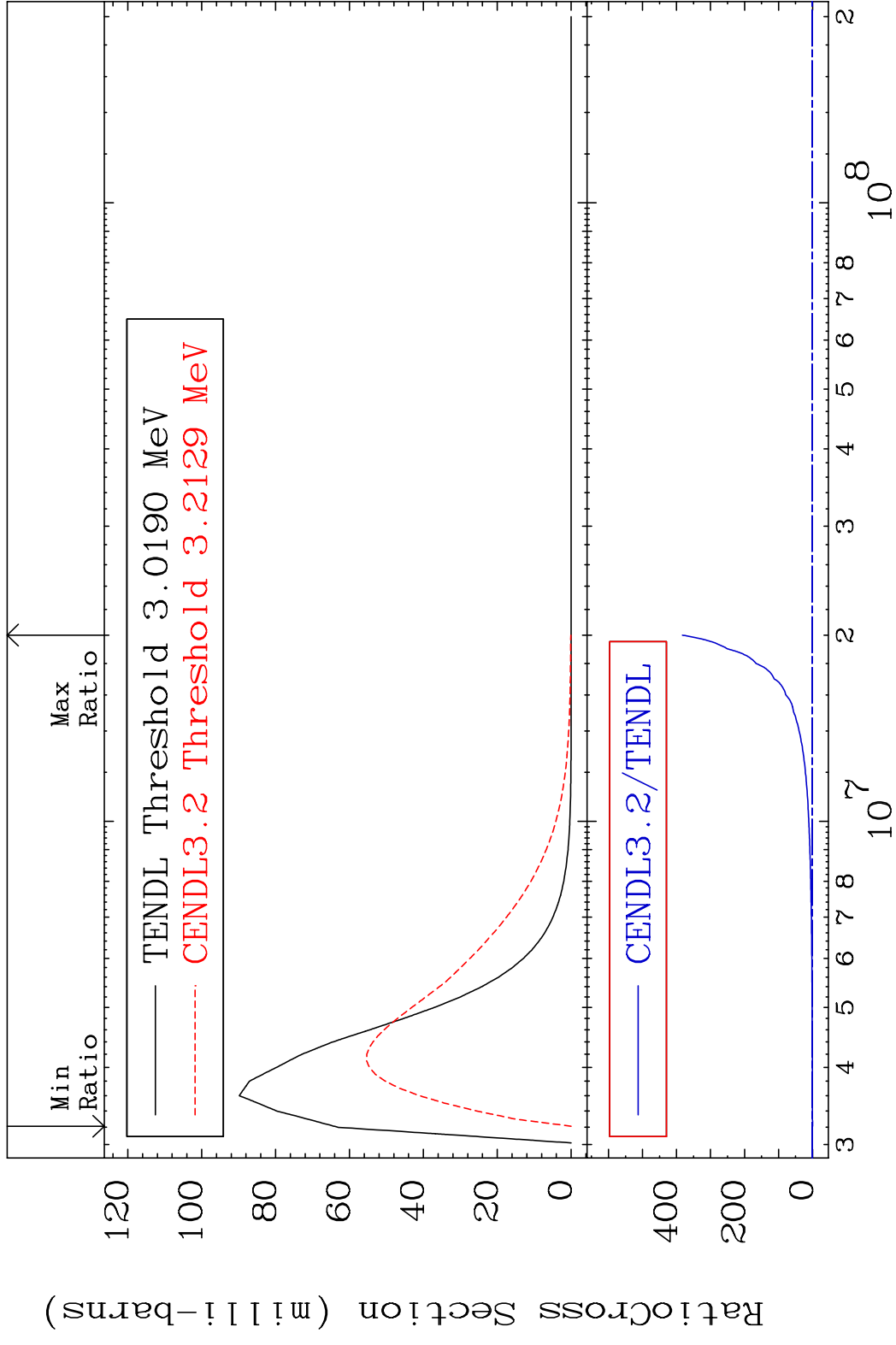
MAT 2843 MT= 54 (n, n') Level 28-Ni-64
 Cross Section -100.0 To -55.93%



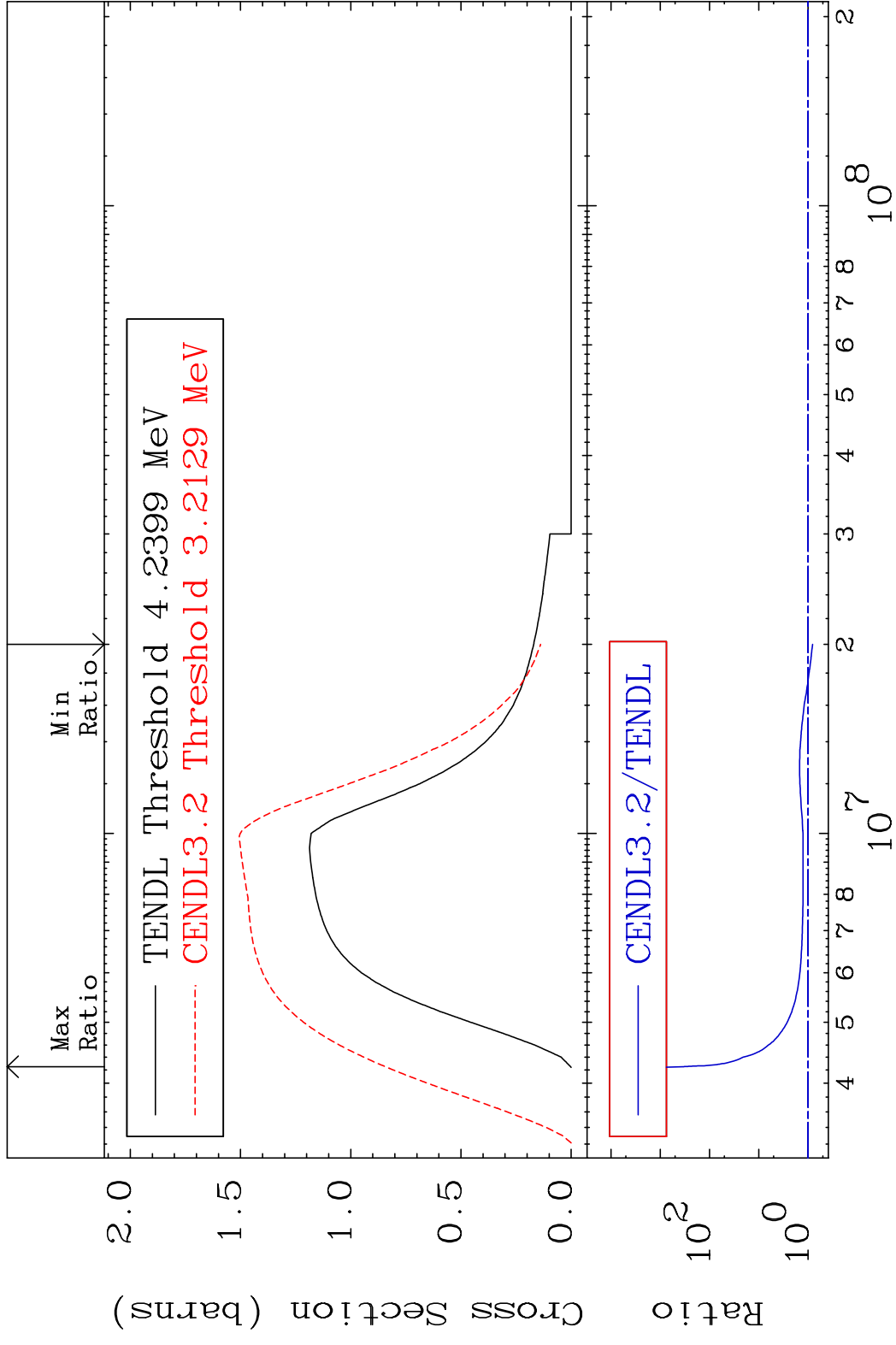
MAT 2843 MT= 55 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 69.08 %



MAT 2843 MT= 56 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 9999. %



MAT 2843 (n,n') Continuum 28-Ni-64
 Cross Section -18.71 To 9999. %



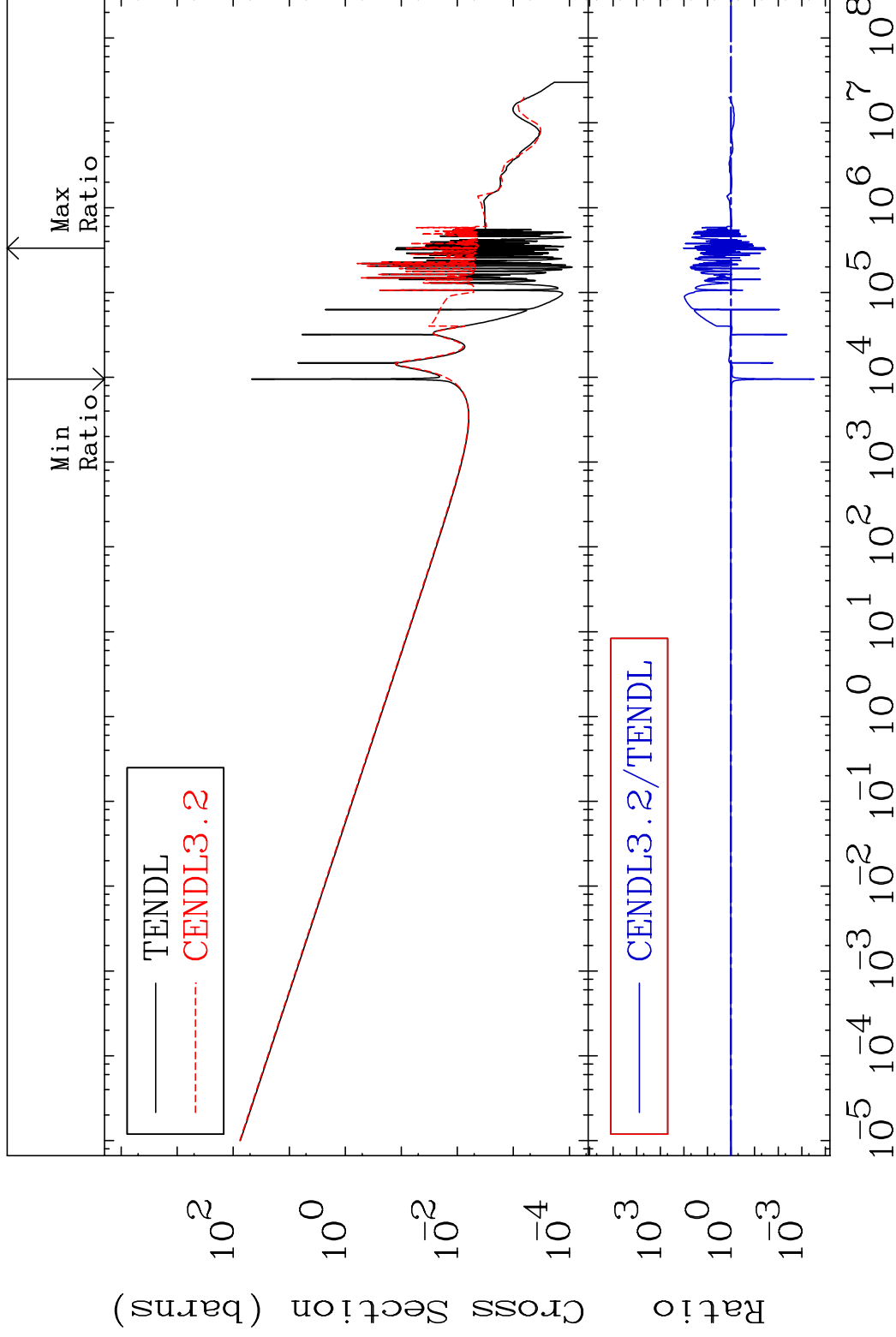
MAT 2843

(n, γ)

28-Ni-64

Cross Section

-99.97 To 9999. %



15

Incident Energy (eV)

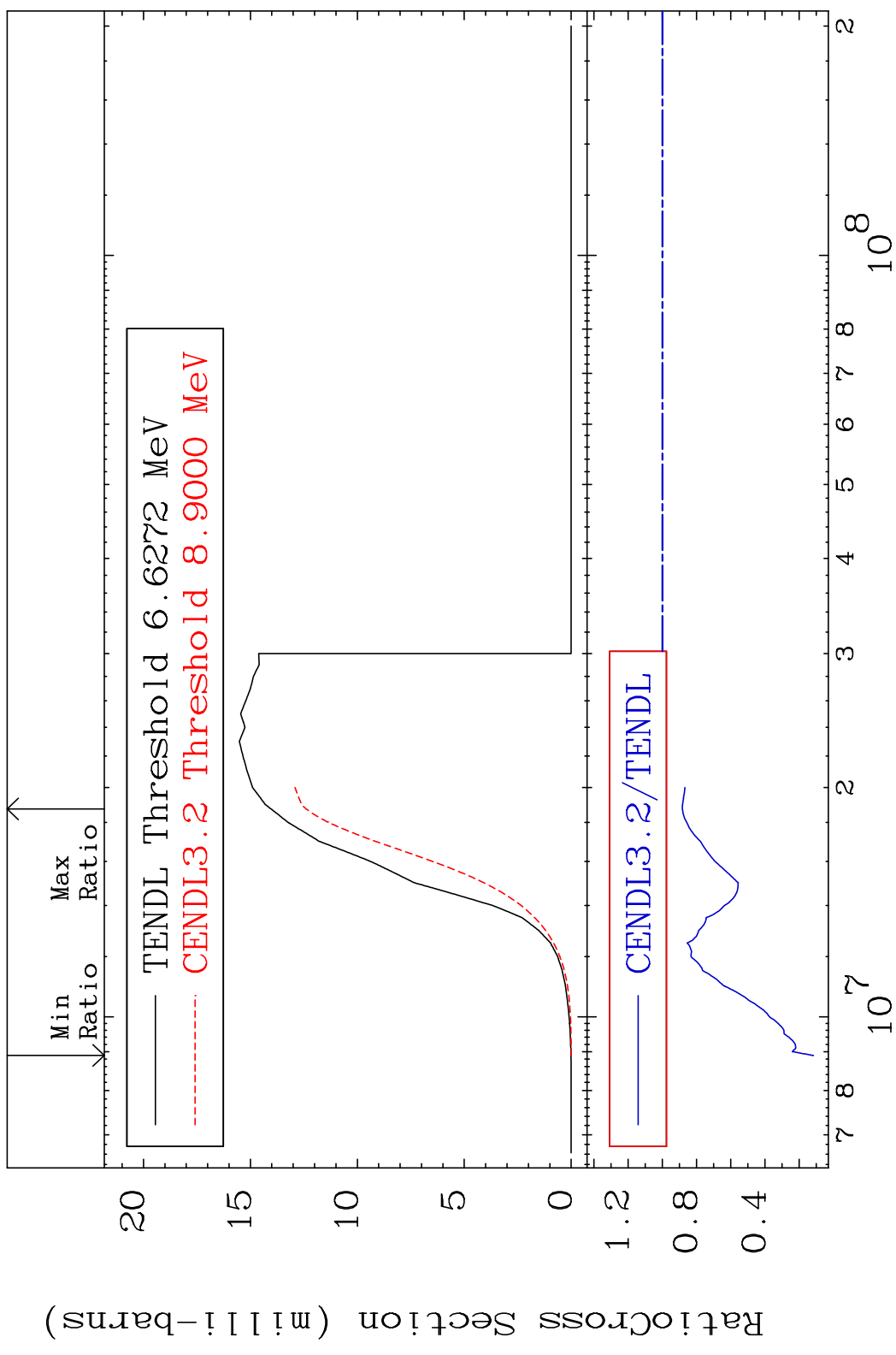
28-Ni-64

MAT 2843

(n,p)

28-Ni-64

Cross Section -87.89 To -11.74%



16

Incident Energy (eV)

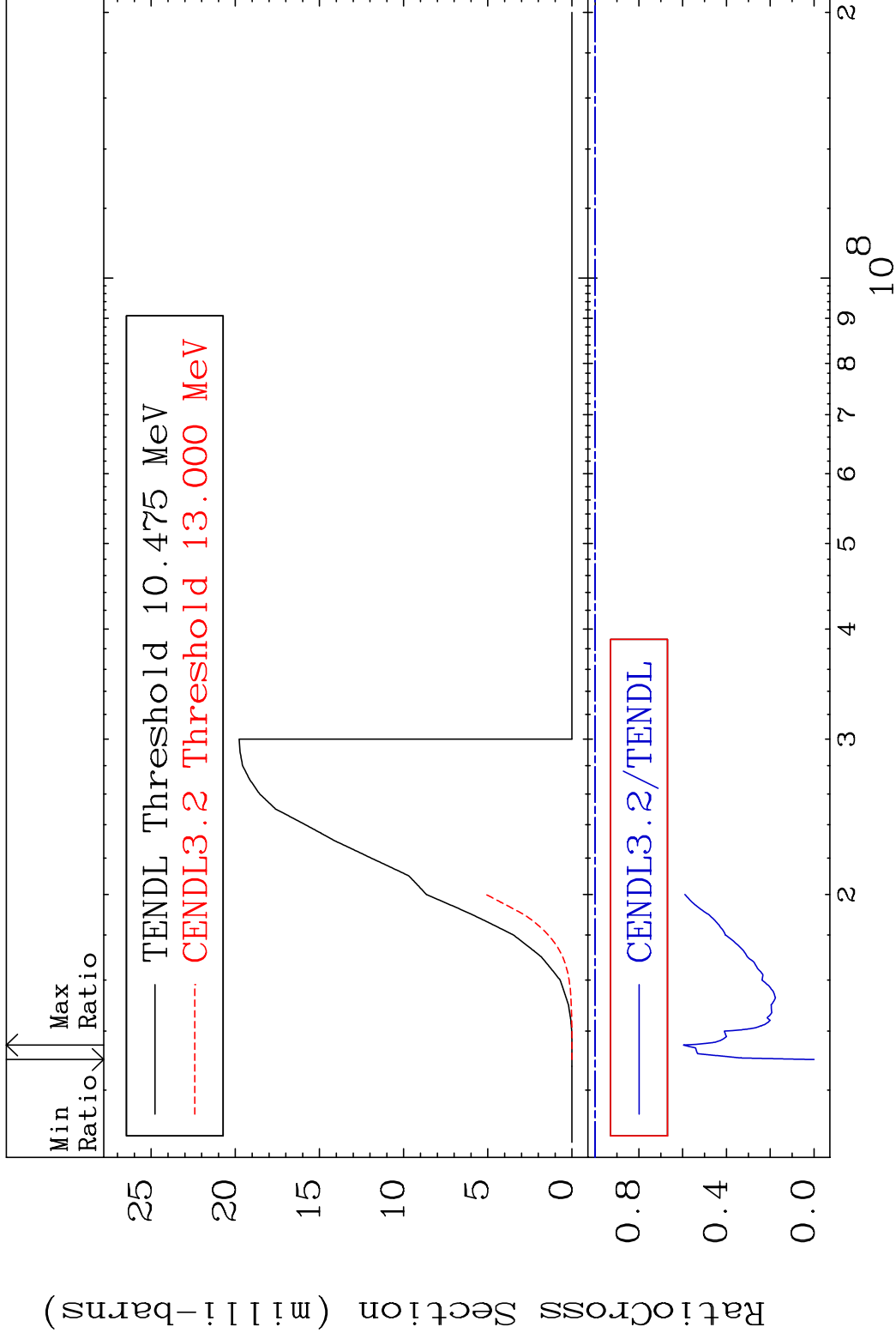
28-Ni-64

MAT 2843

(n,d)

28-Ni-64

Cross Section -100.0 To -40.35%



17

Incident Energy (eV)

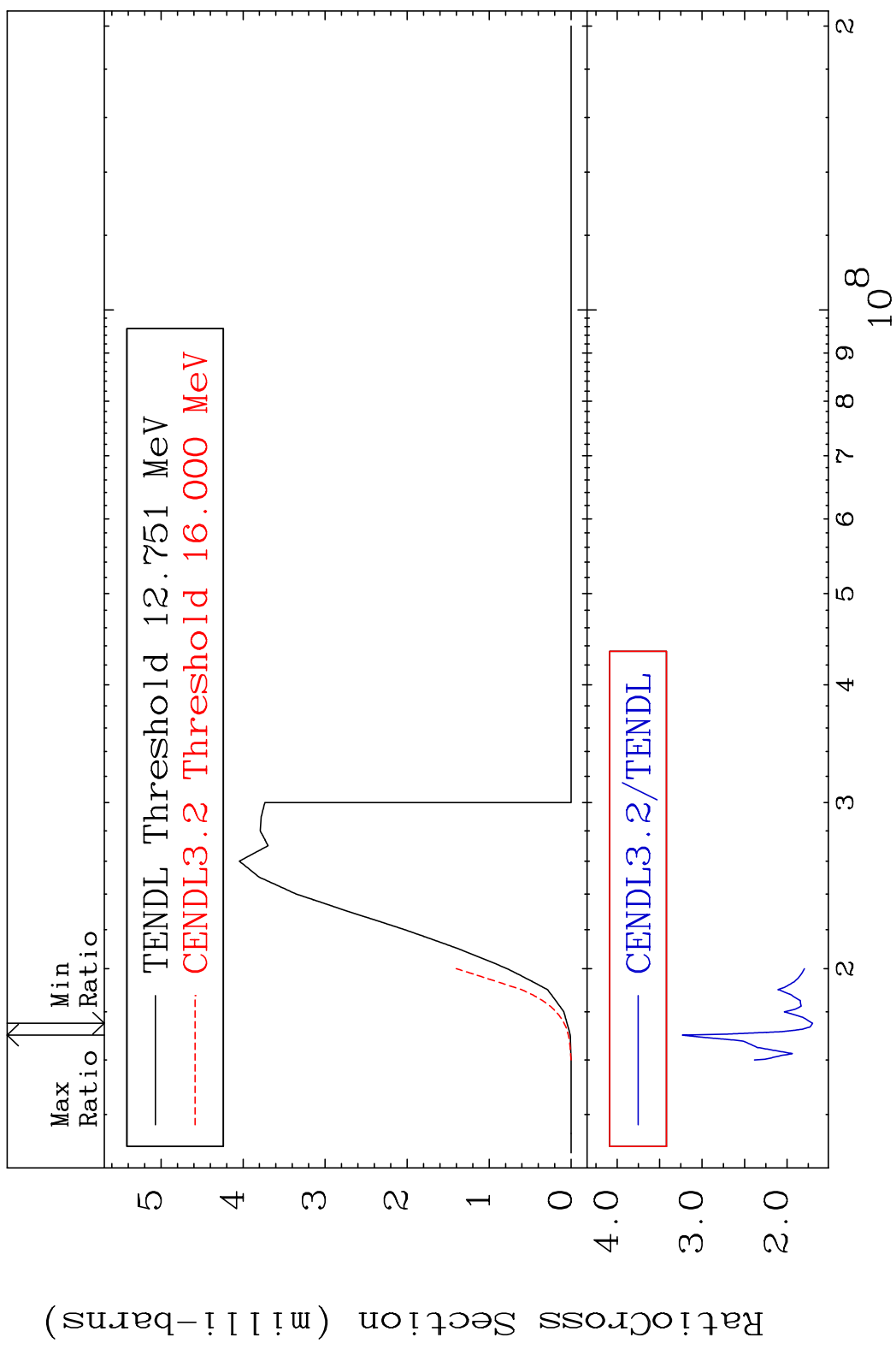
28-Ni-64

MAT 2843

(n, t)

28-Ni-64

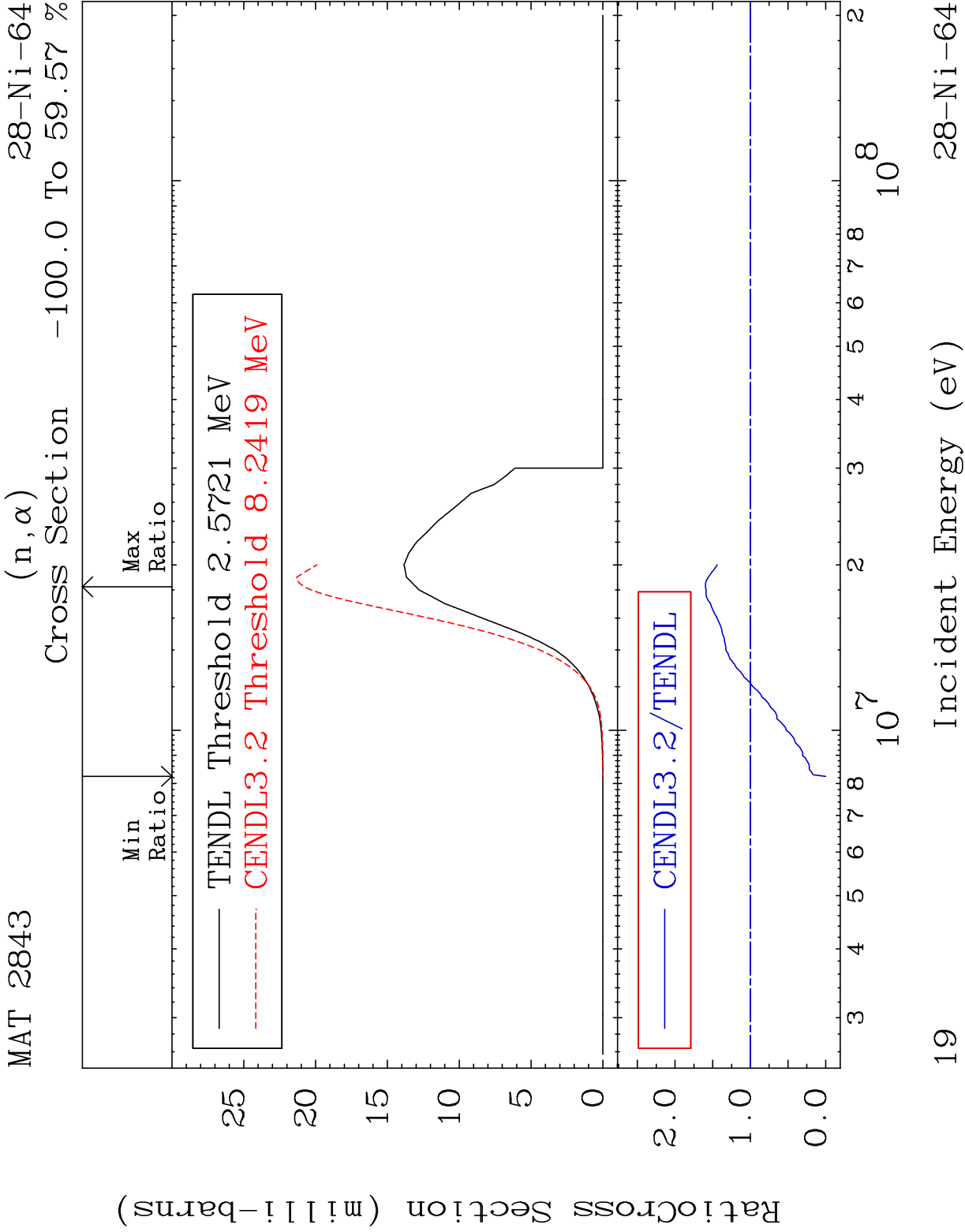
Cross Section 70.01 To 223.2 %



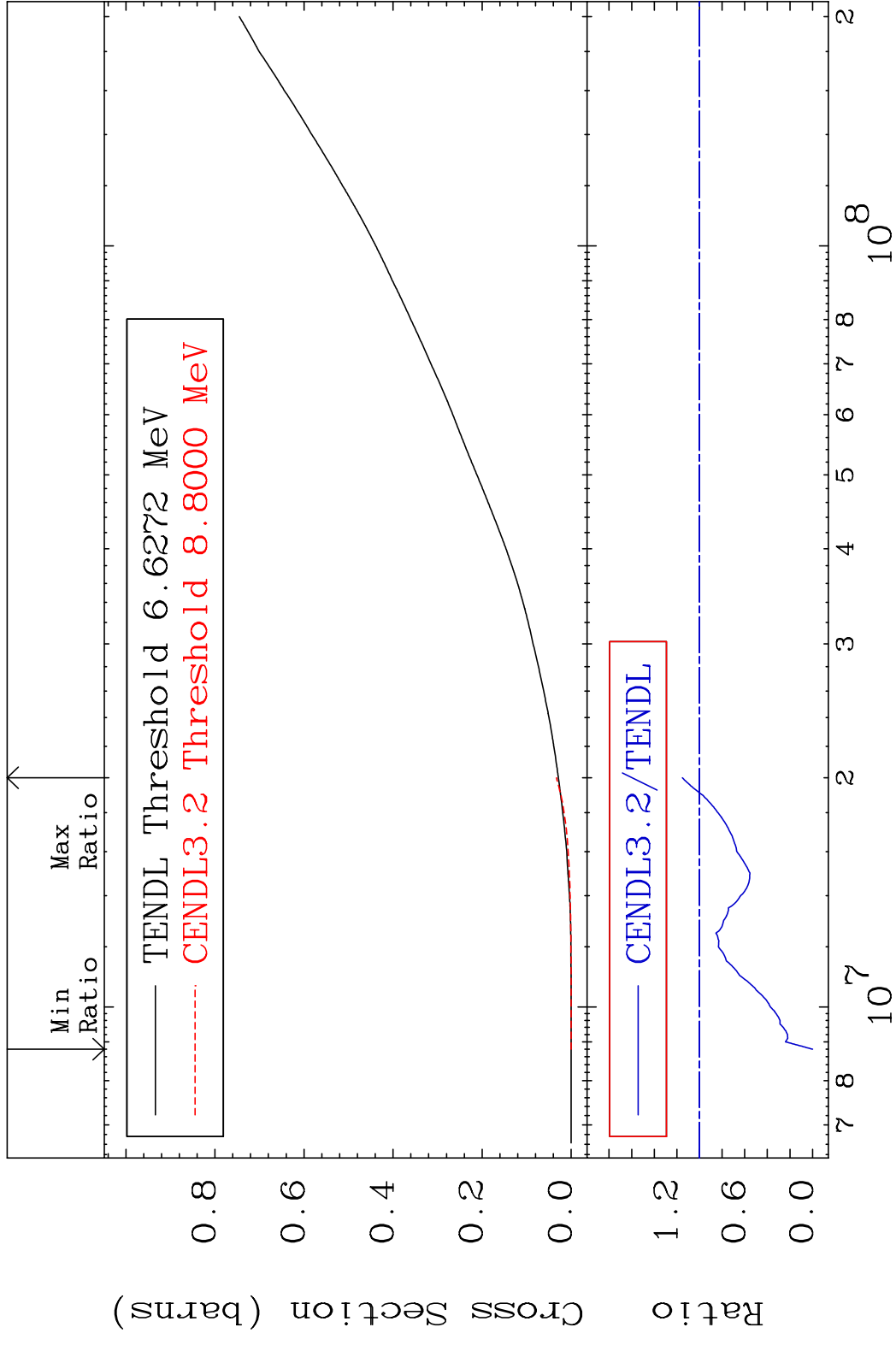
18

Incident Energy (eV)

28-Ni-64



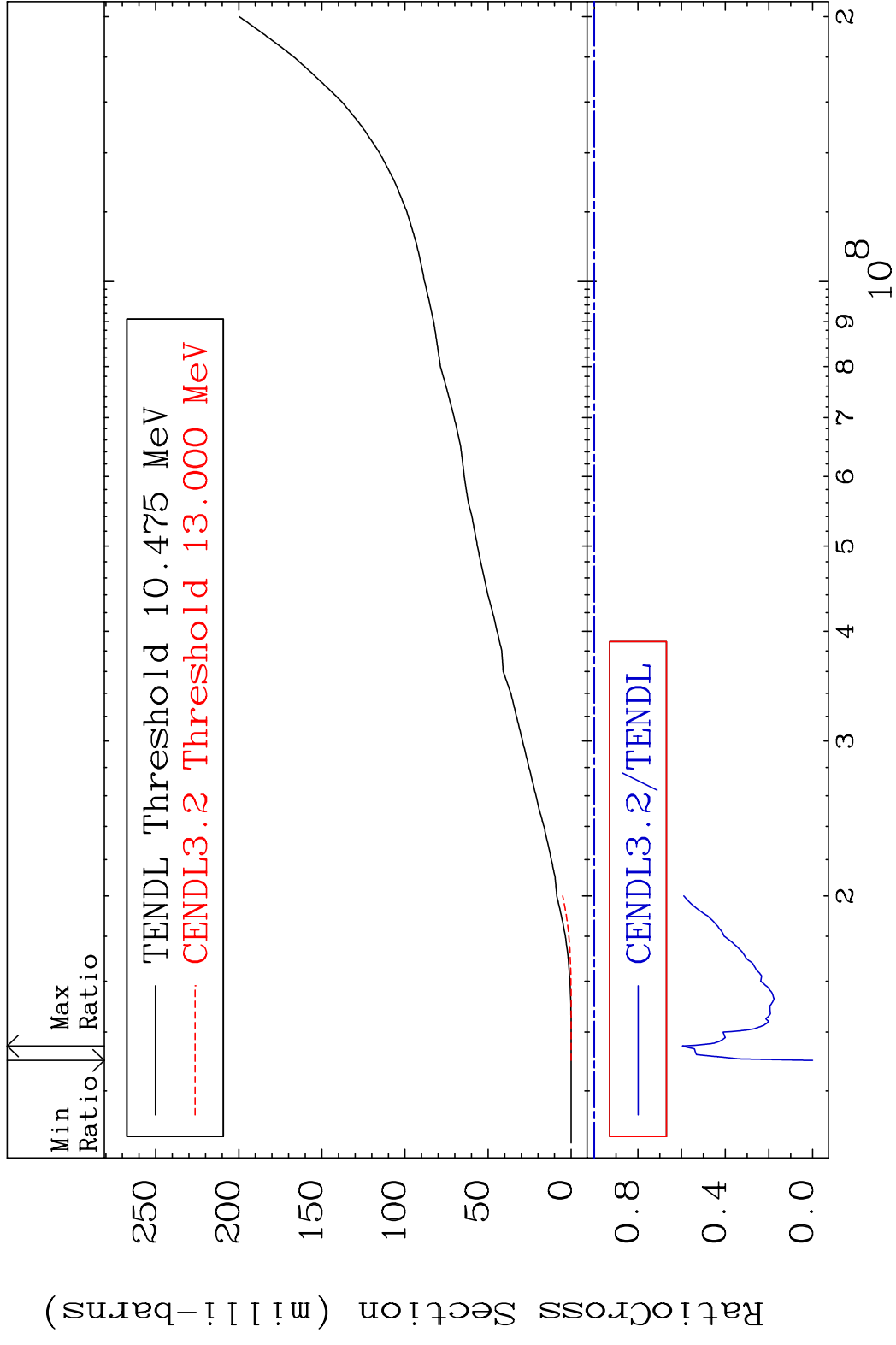
MAT 2843 Hydrogen Production $^{28}\text{Ni-64}$
 Cross Section -100.0 To 15.16 %



20 Incident Energy (eV) $^{28}\text{Ni-64}$

MAT 2843

Deuterium Production ²⁸Ni-64
Cross Section -100.0 To -40.35%

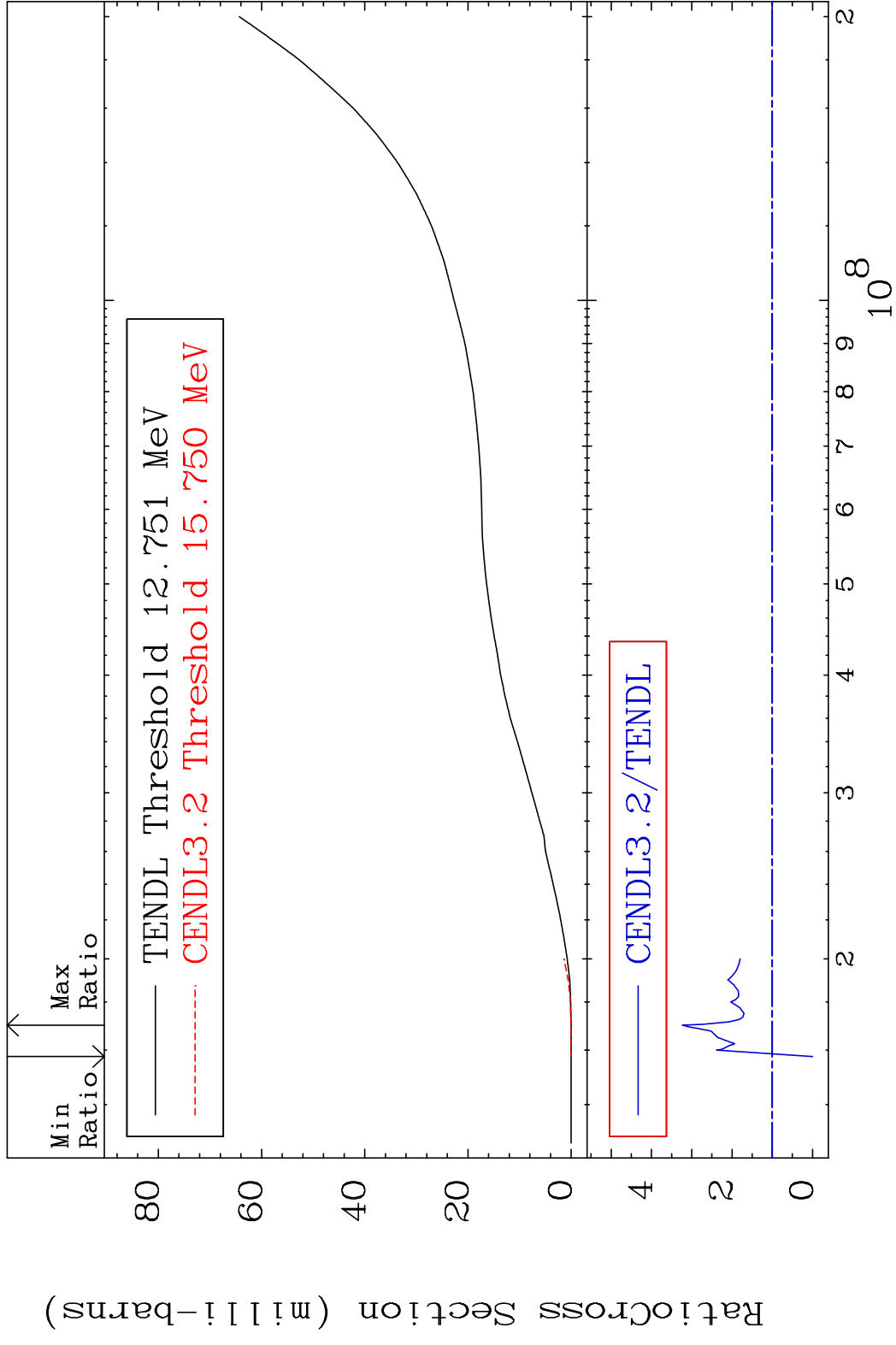


21

Incident Energy (eV) ²⁸Ni-64

MAT 2843

Tritium Production ²⁸Ni-64
Cross Section -100.0 To 223.2 %



22

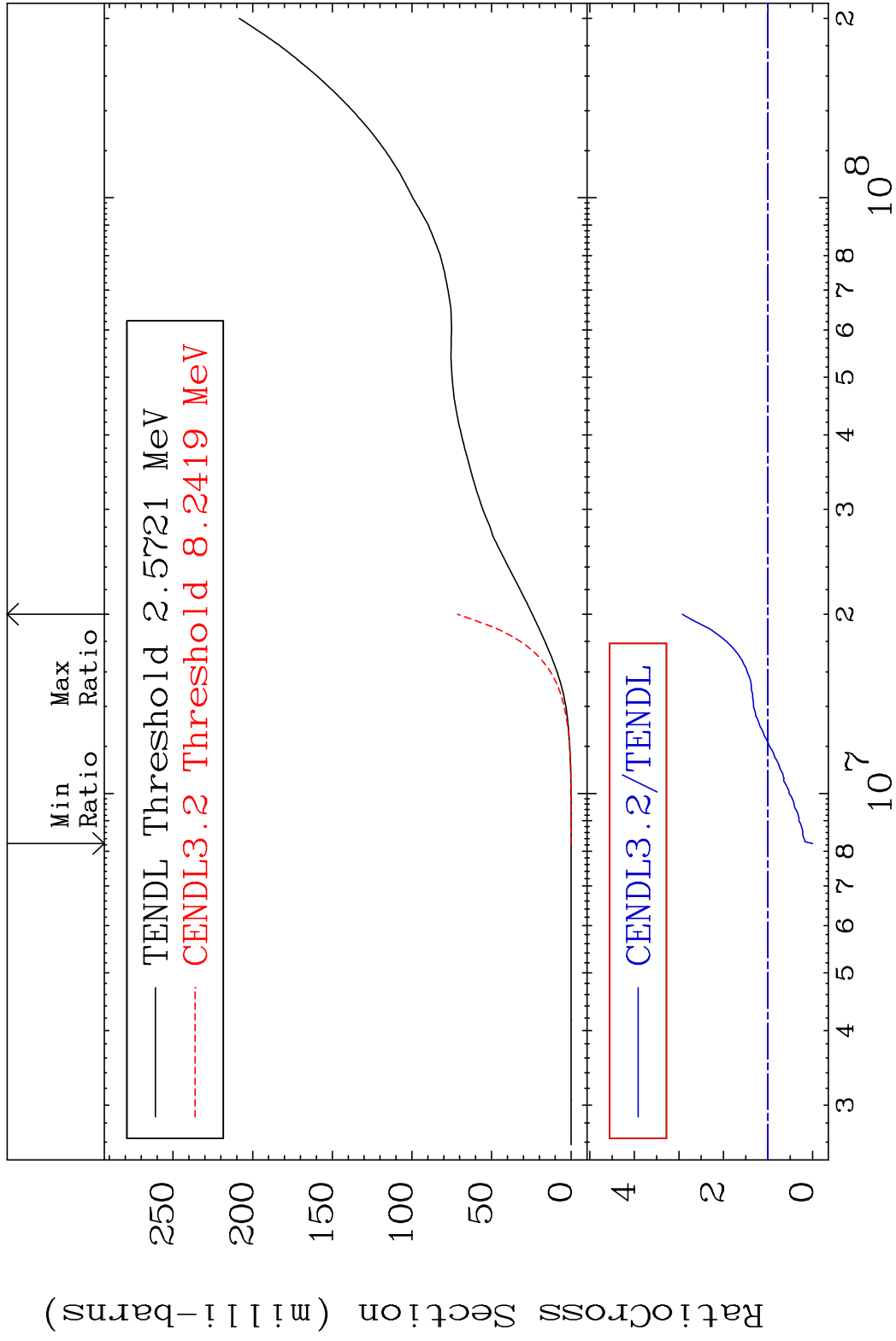
Incident Energy (eV) ²⁸Ni-64

MAT 2843

He-4 Production

²⁸Ni-64

Cross Section -100.0 To 192.2 %

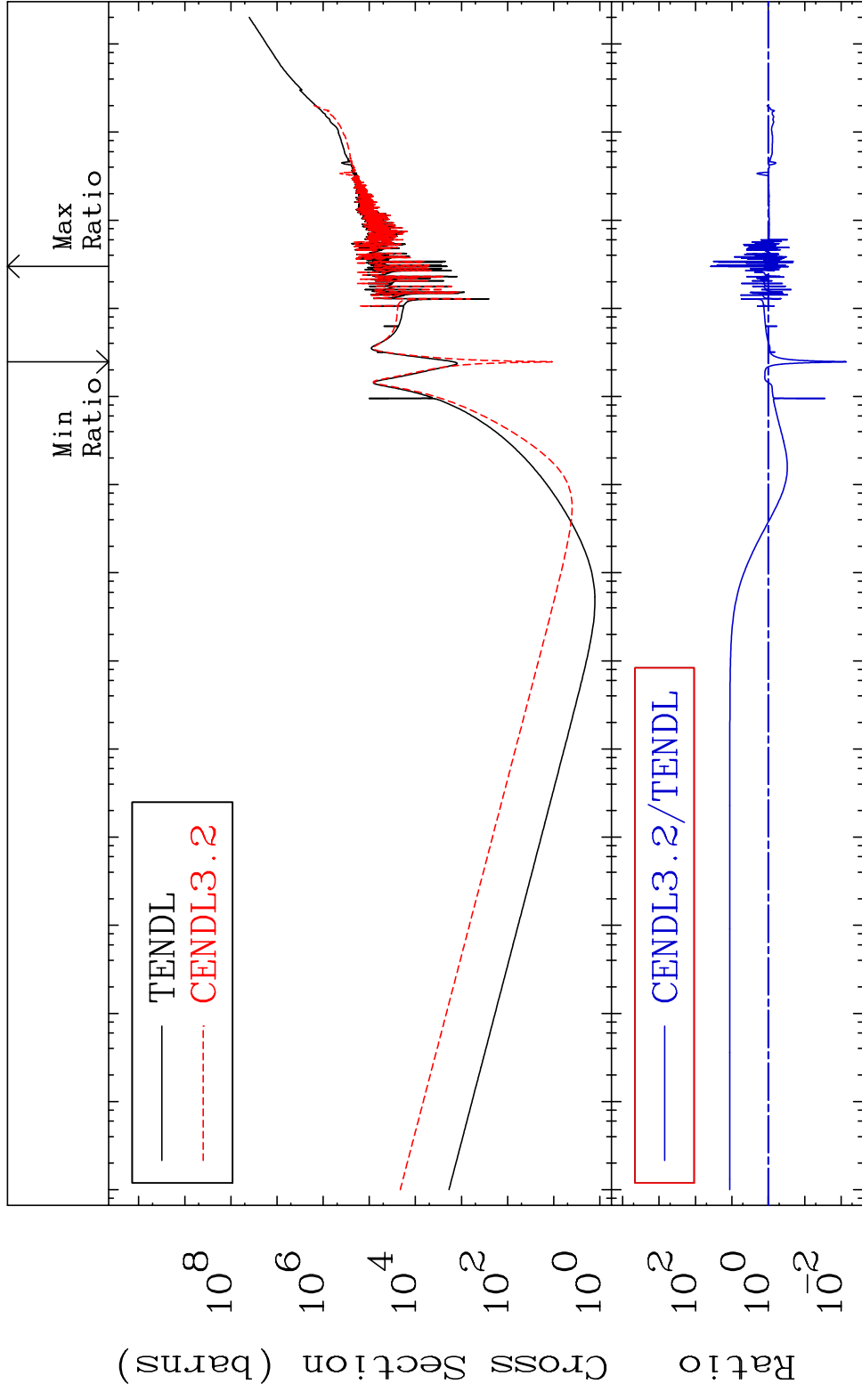


23

Incident Energy (eV)

²⁸Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64
 Cross Section -99.28 To 3713. %

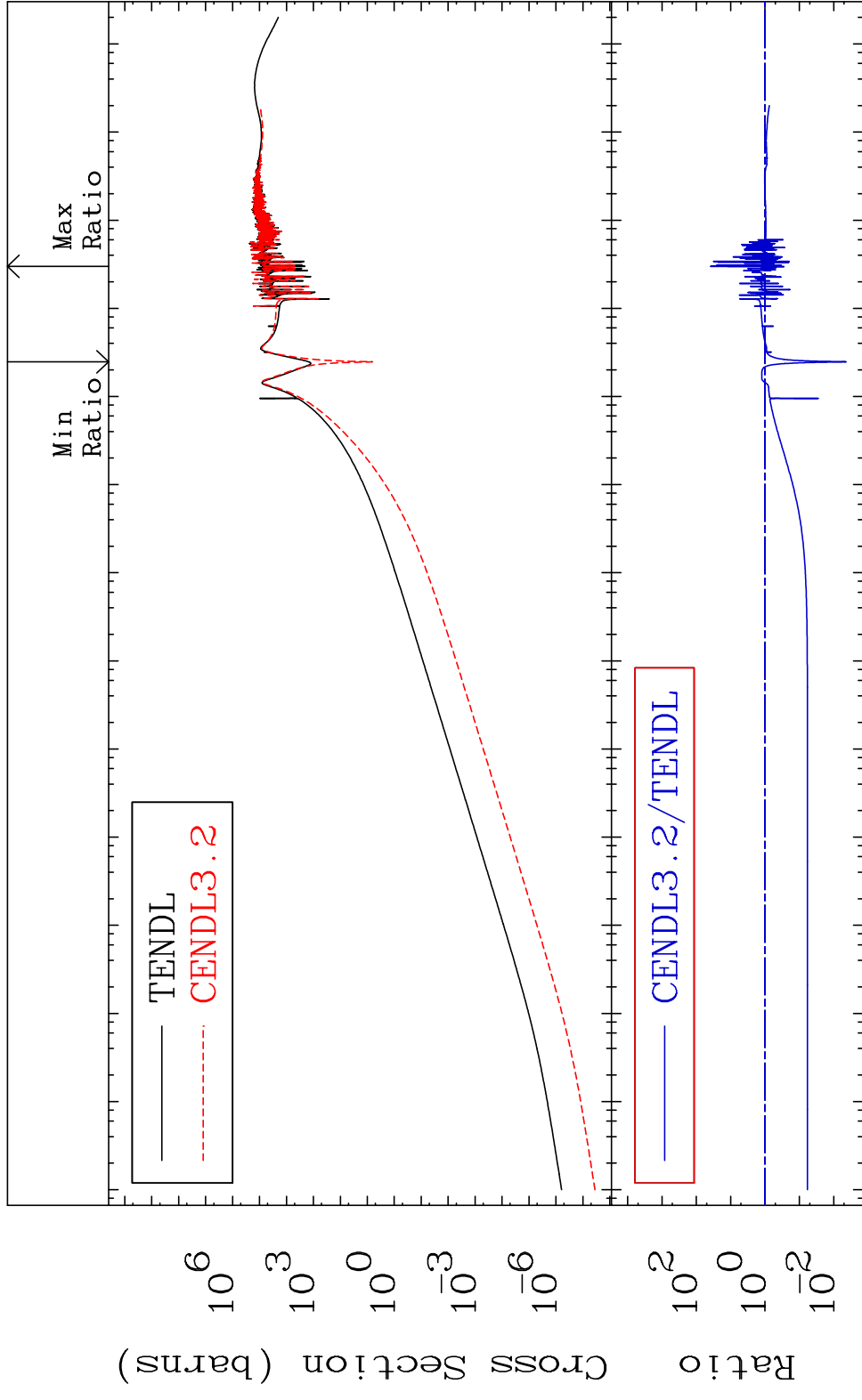


24 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic
Cross Section

28-Ni-64
-99.57 To 3711. %

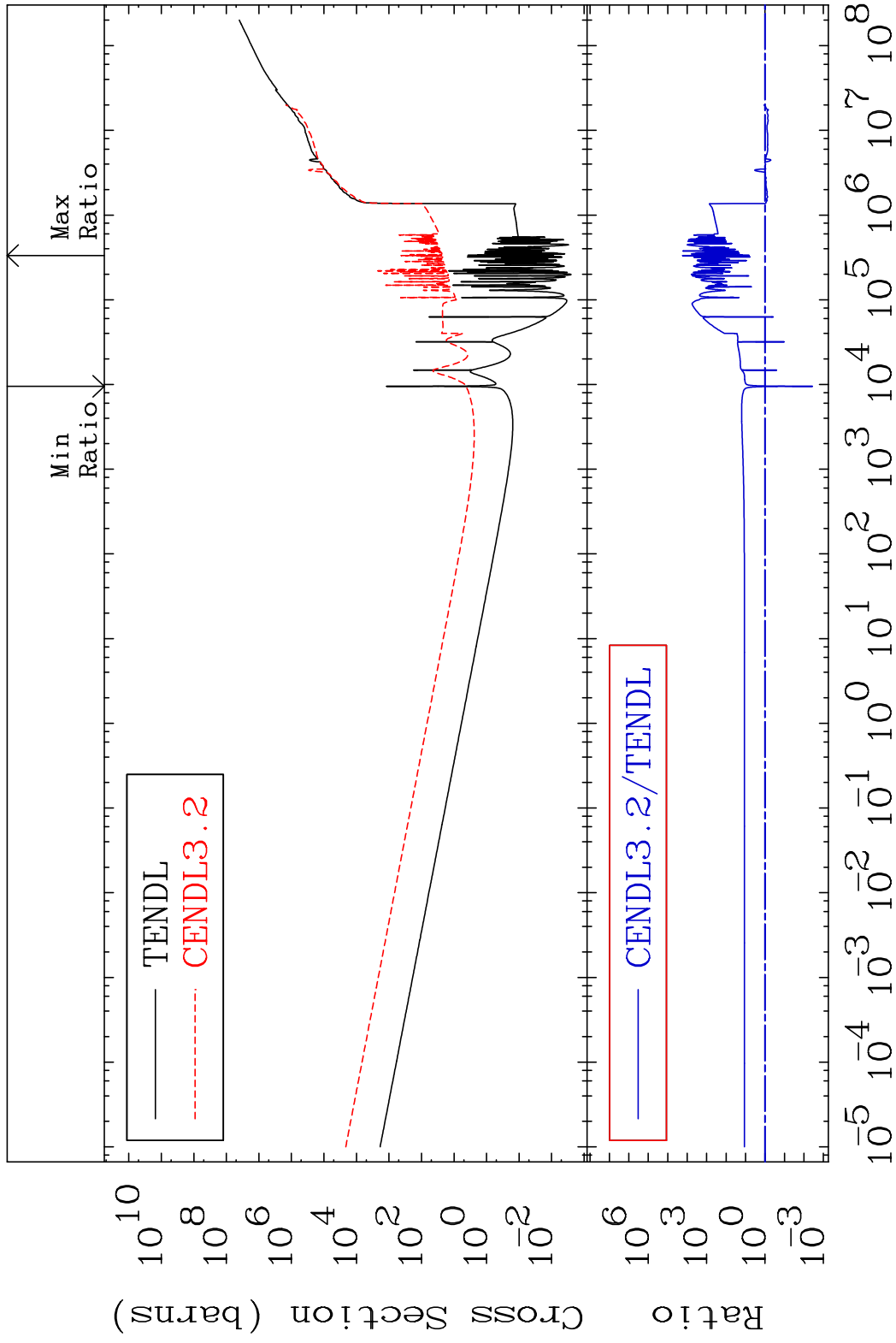


25

Incident Energy (eV)

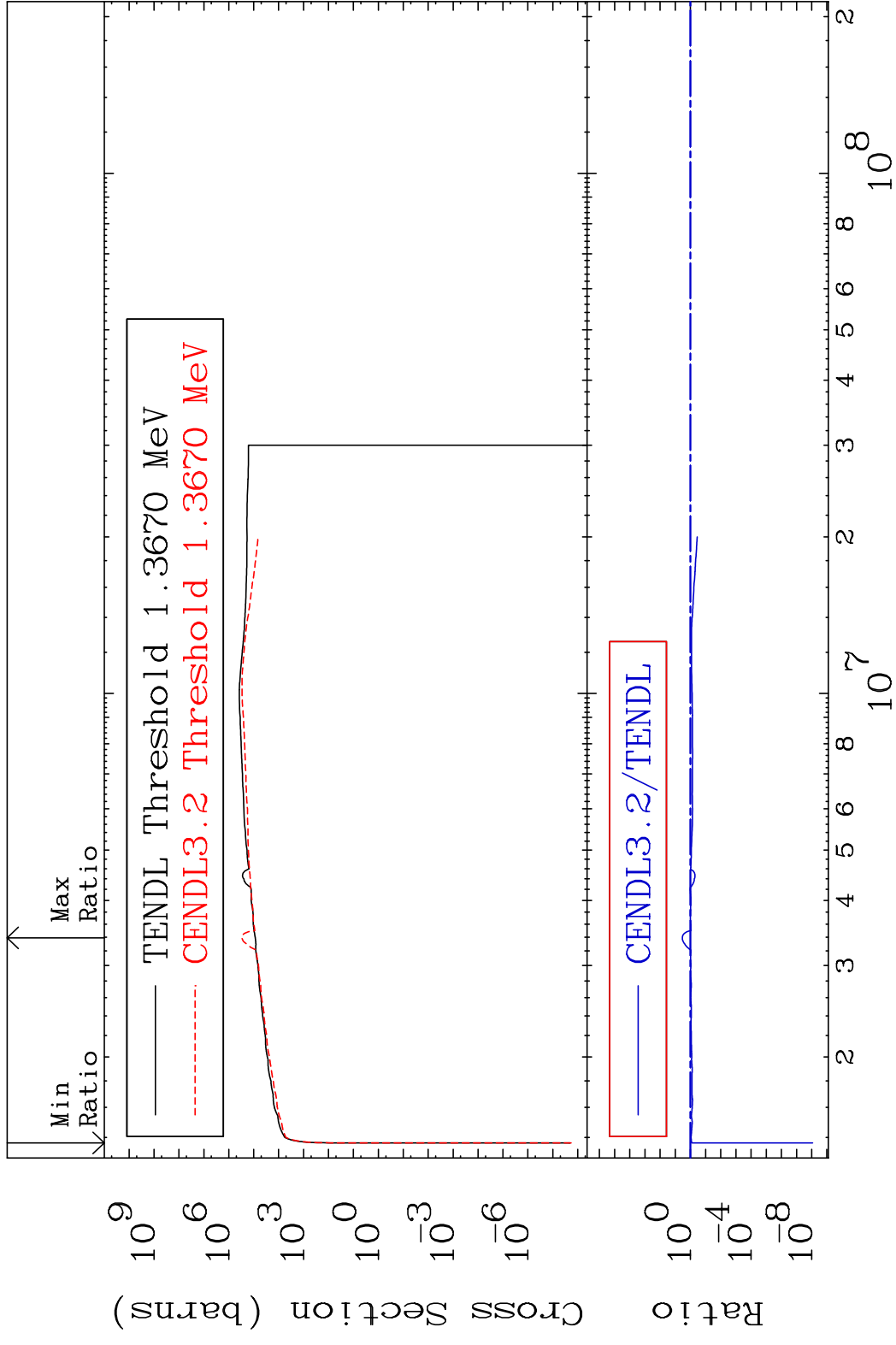
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -99.64 To 9999. %

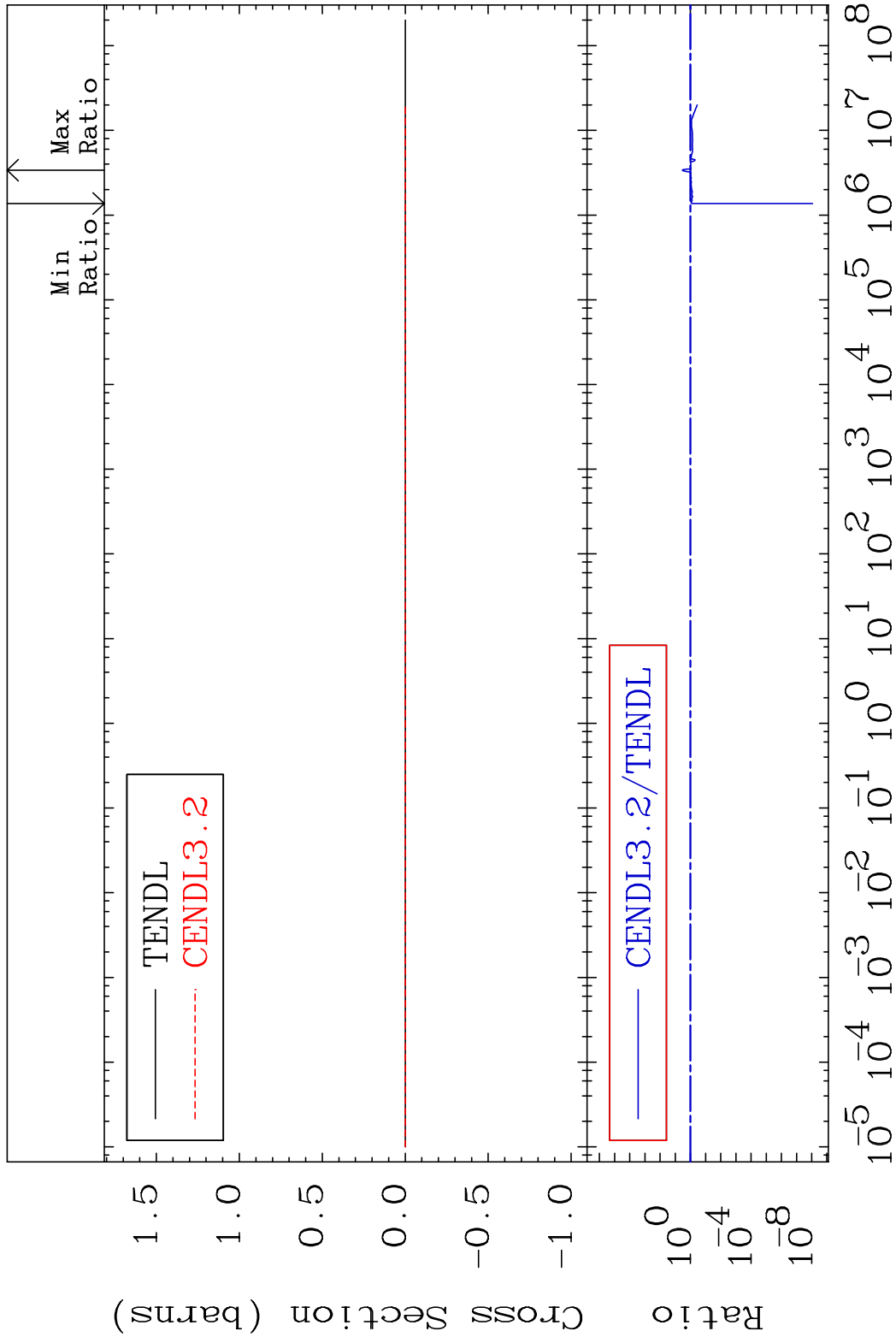


26 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 240.1 %

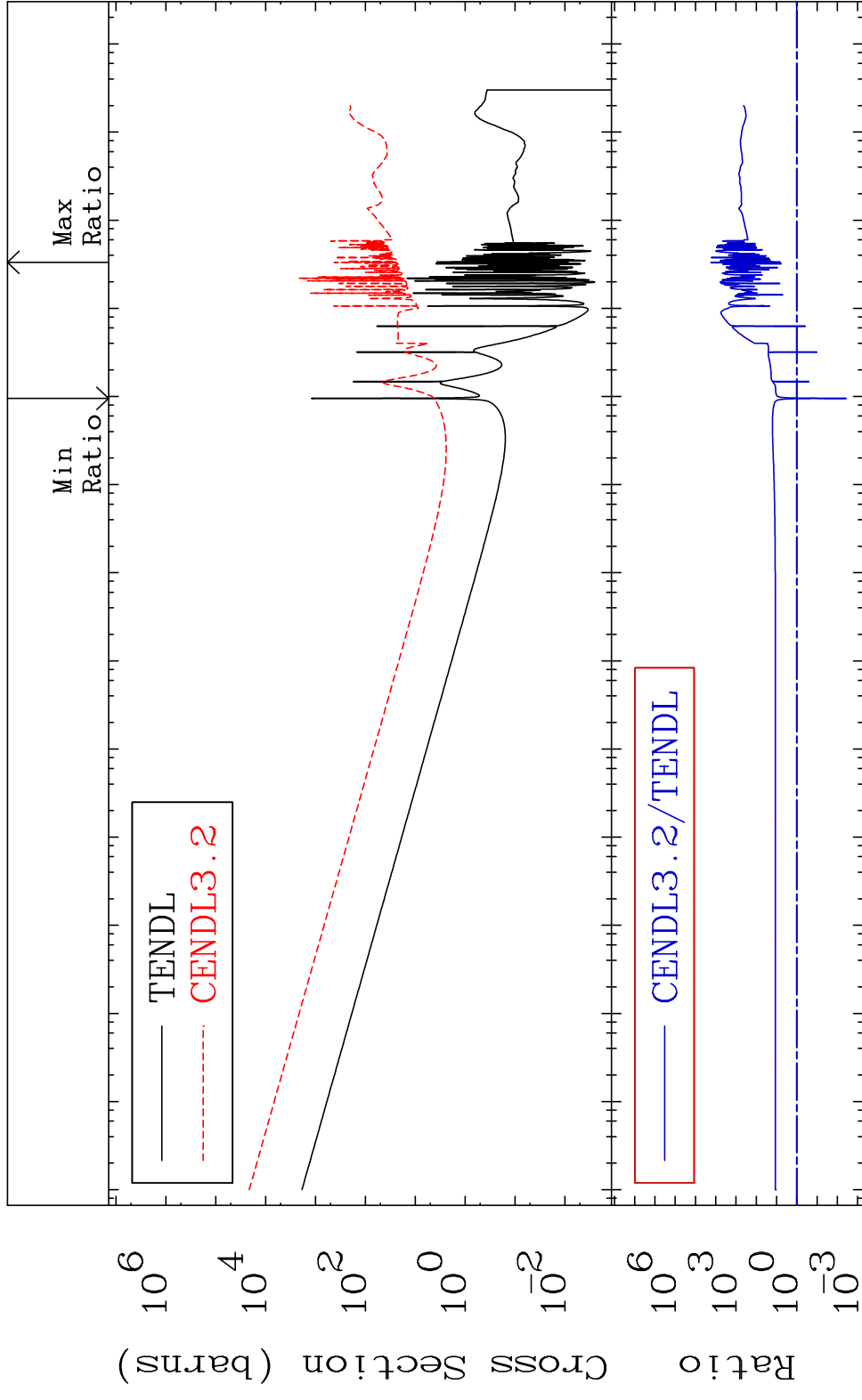


MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -100.0 To 240.1 %



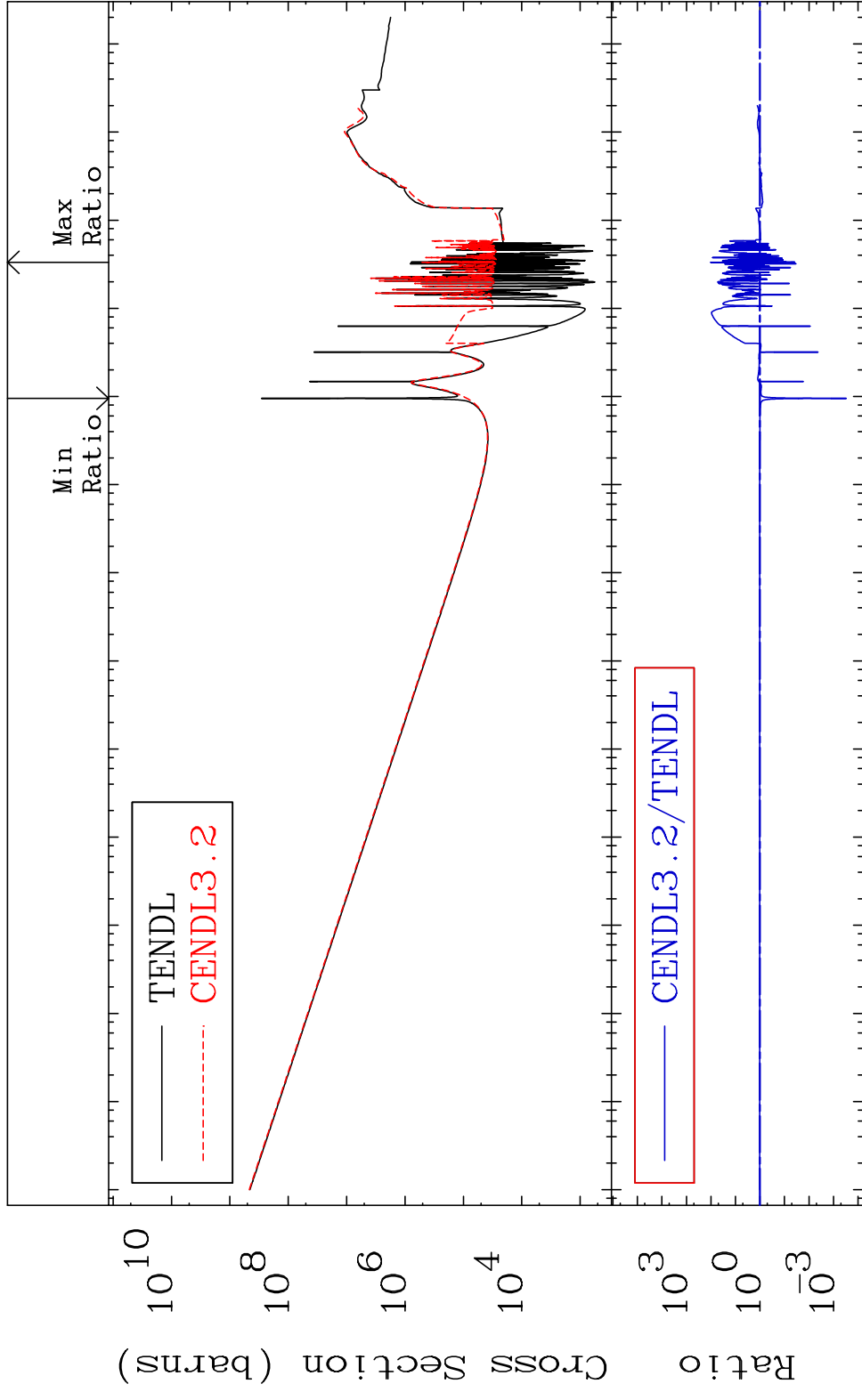
28 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma capture (mt102) 28-Ni-64
 Cross Section -99.64 To 9999. %



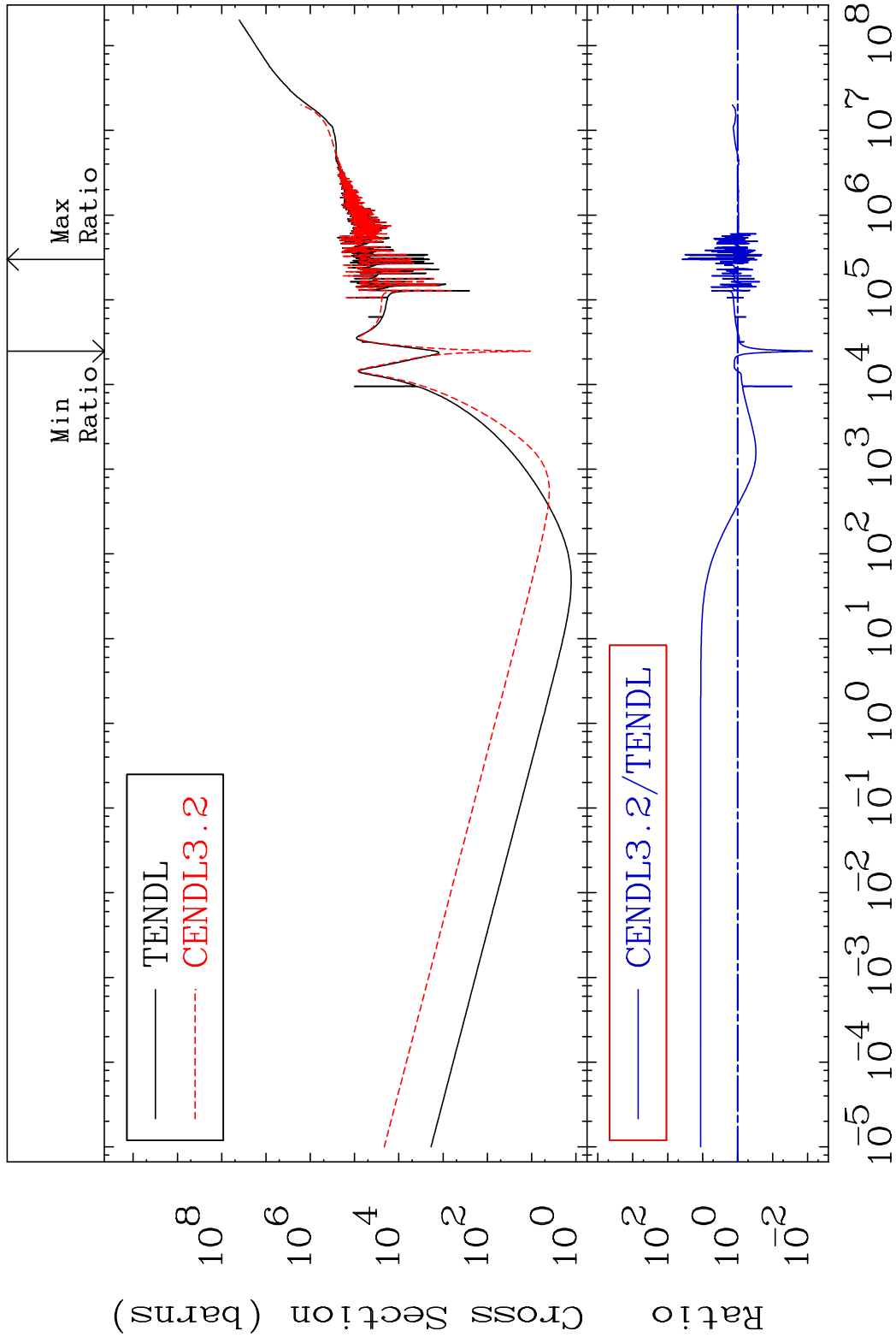
29 Incident Energy (eV) 28-Ni-64

MAT 2843 Total photon (eV-barns) 28-Ni-64
Cross Section -99.97 To 9999. %

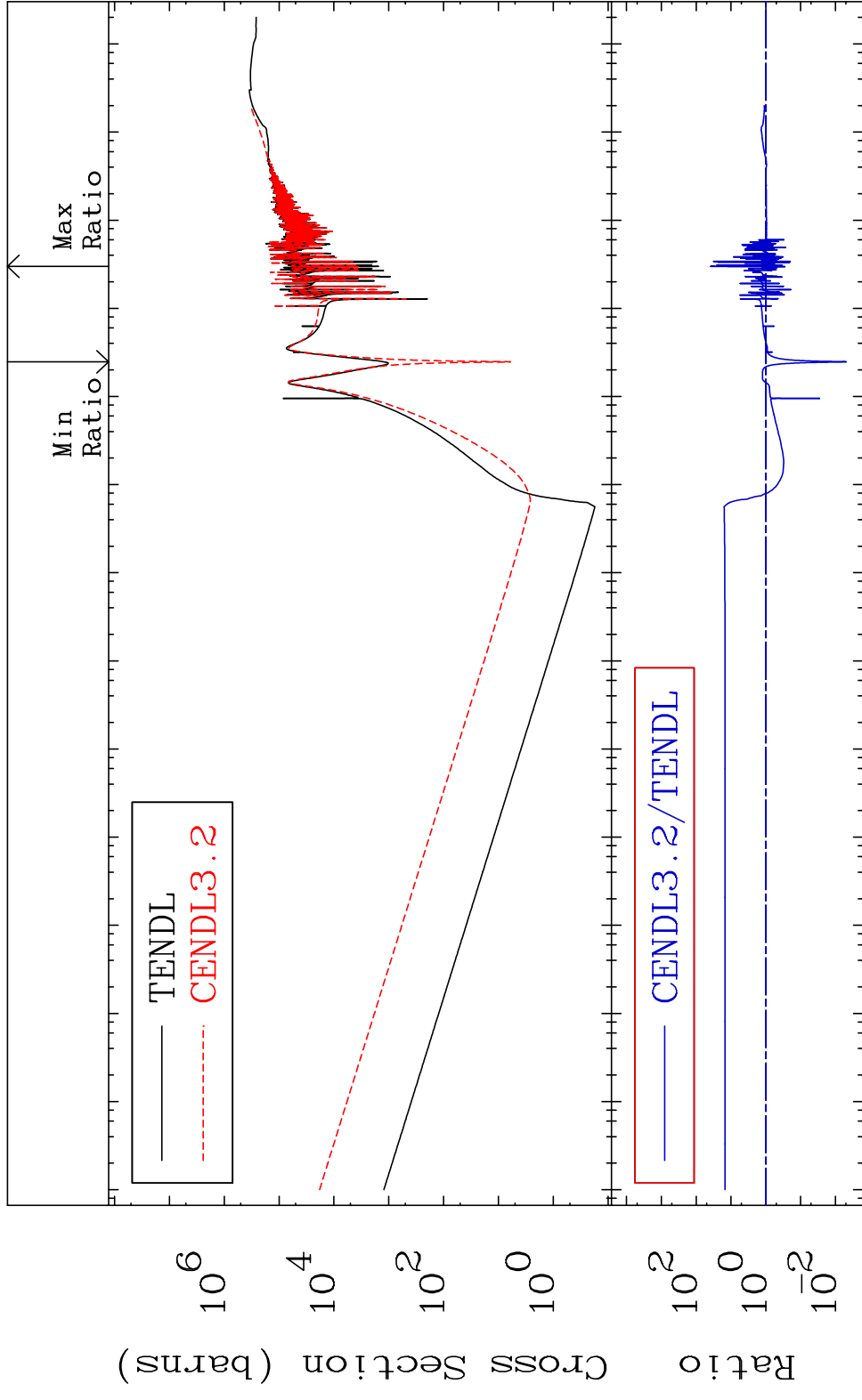


30 Incident Energy (eV) 28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
 Cross Section -99.28 To 3713. %



MAT 2843 Dpa total (eV-barns) 28-Ni-64
 Cross Section -99.52 To 3717. %



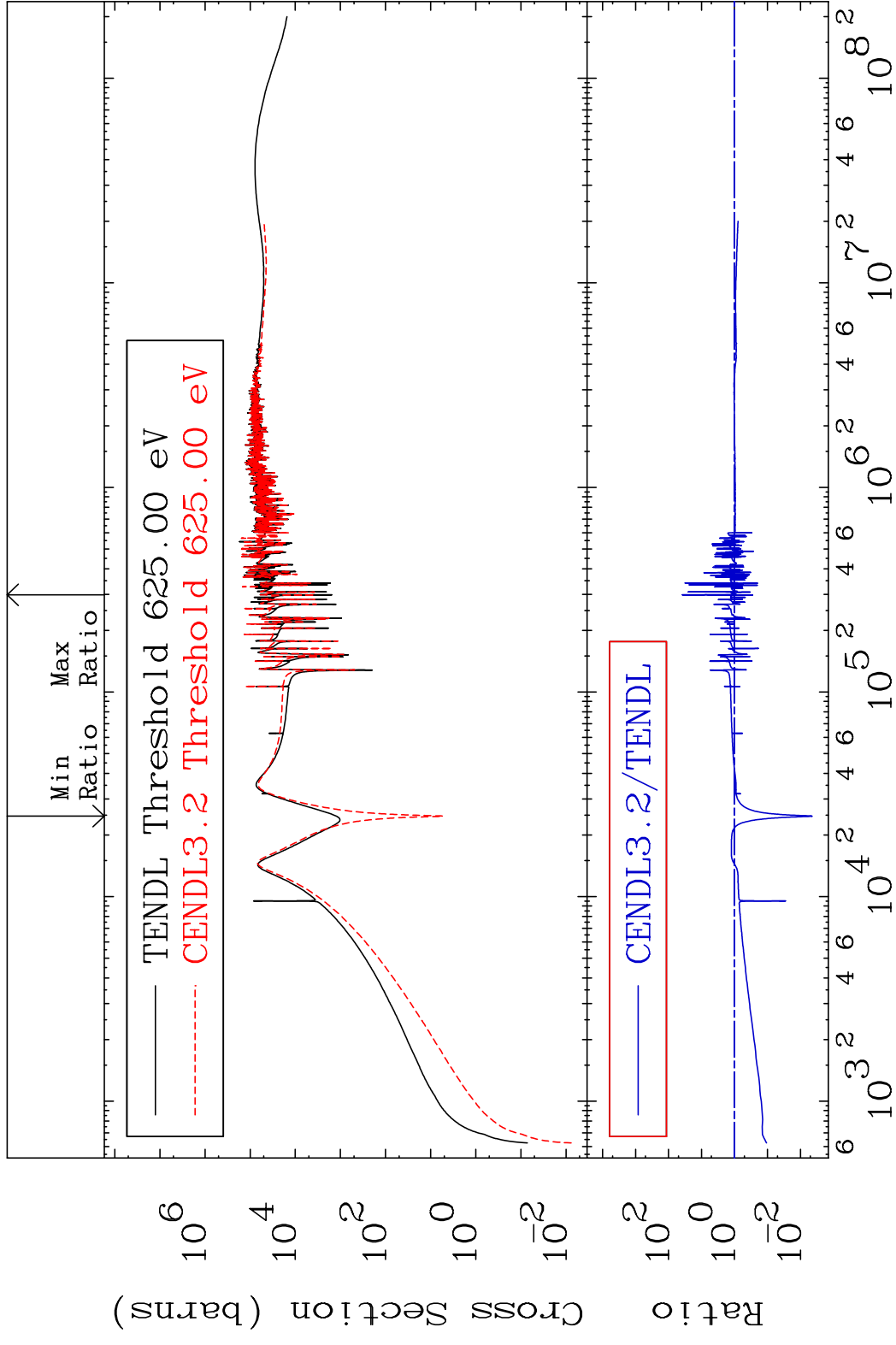
32 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -99.57 To 3718. %

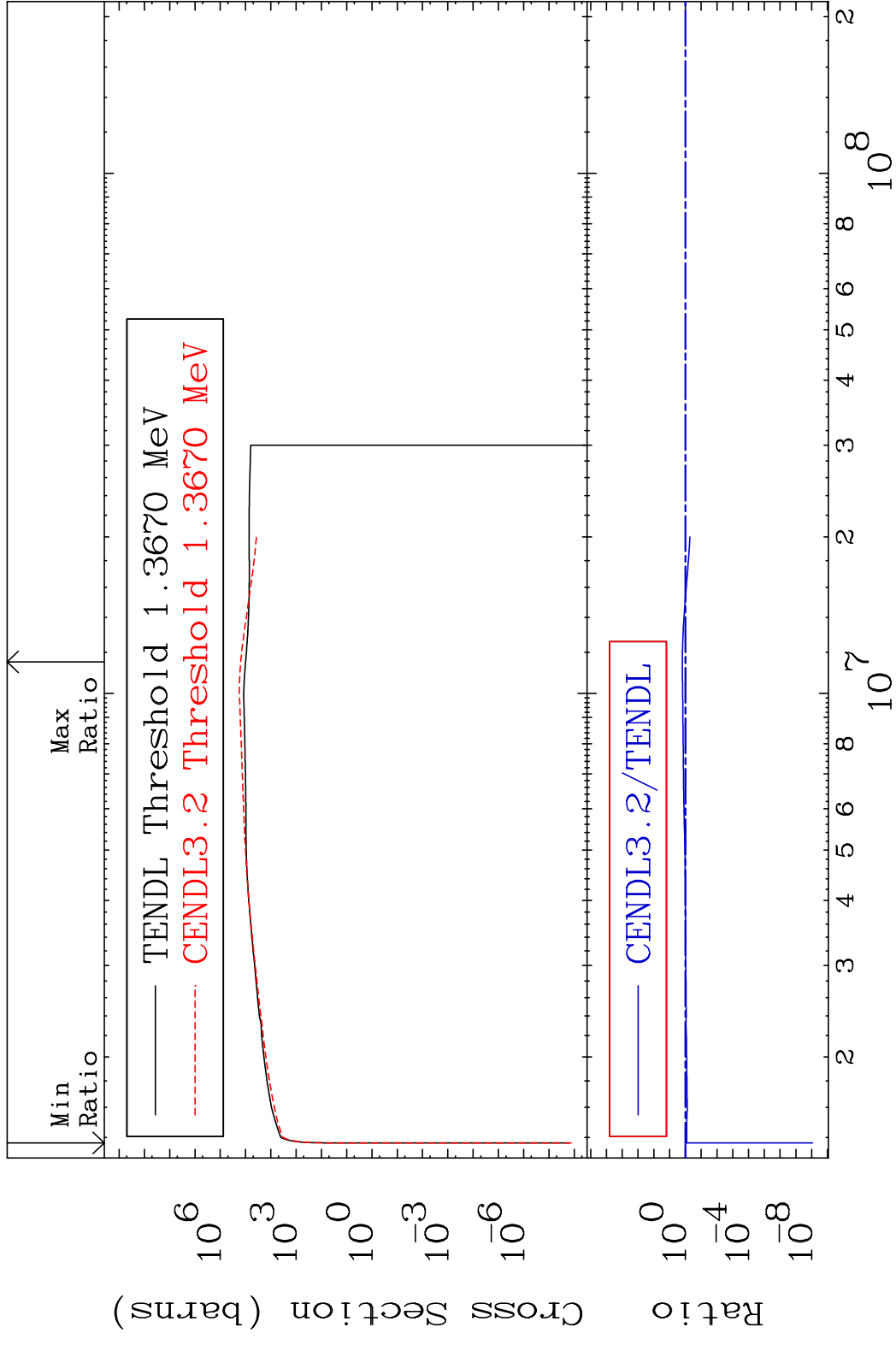


33

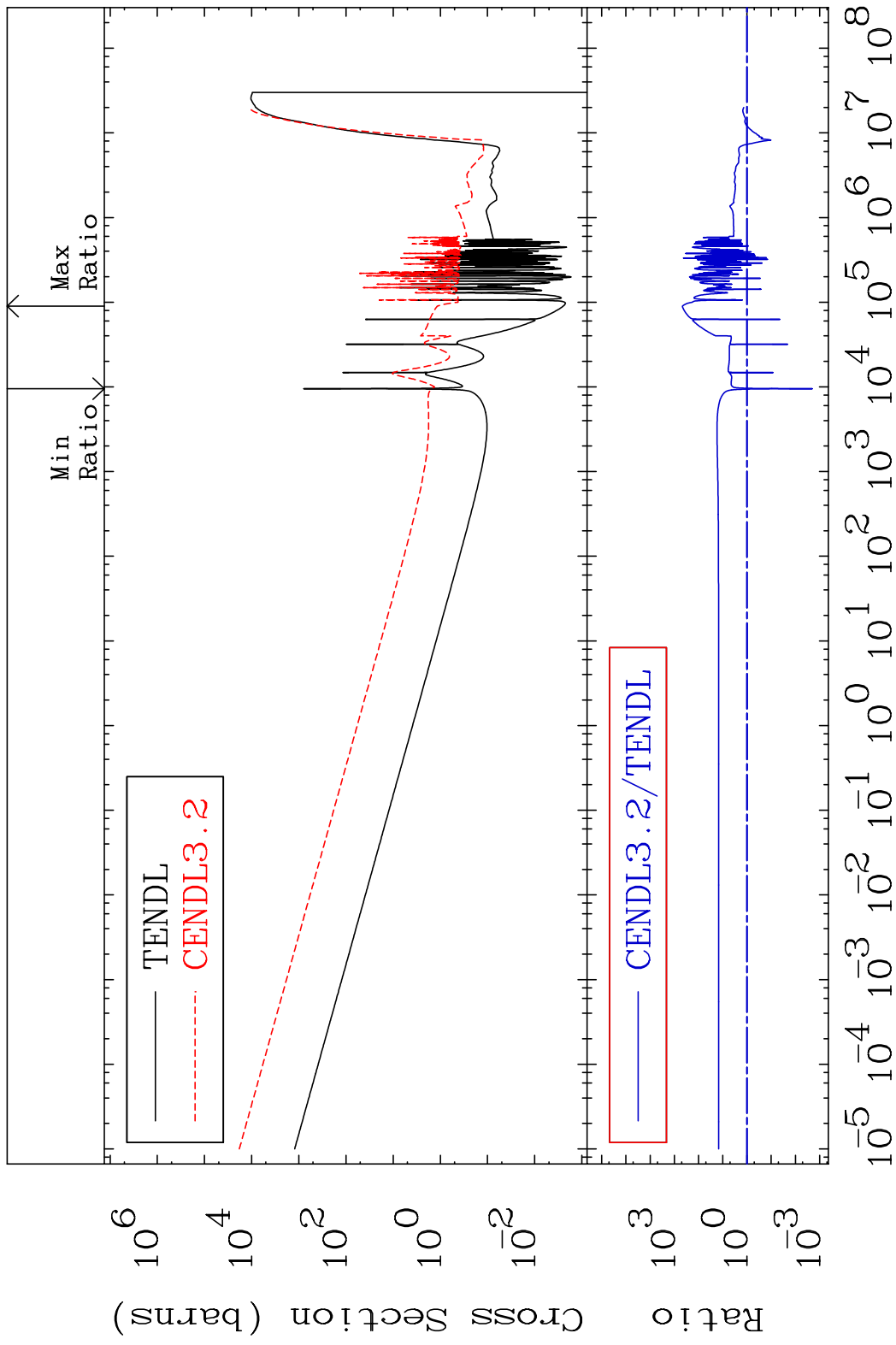
Incident Energy (eV)

28-Ni-64

MAT 2843 Dpa inelastic (mt51-91) ²⁸Ni-64
 Cross Section -100.0 To 55.57 %

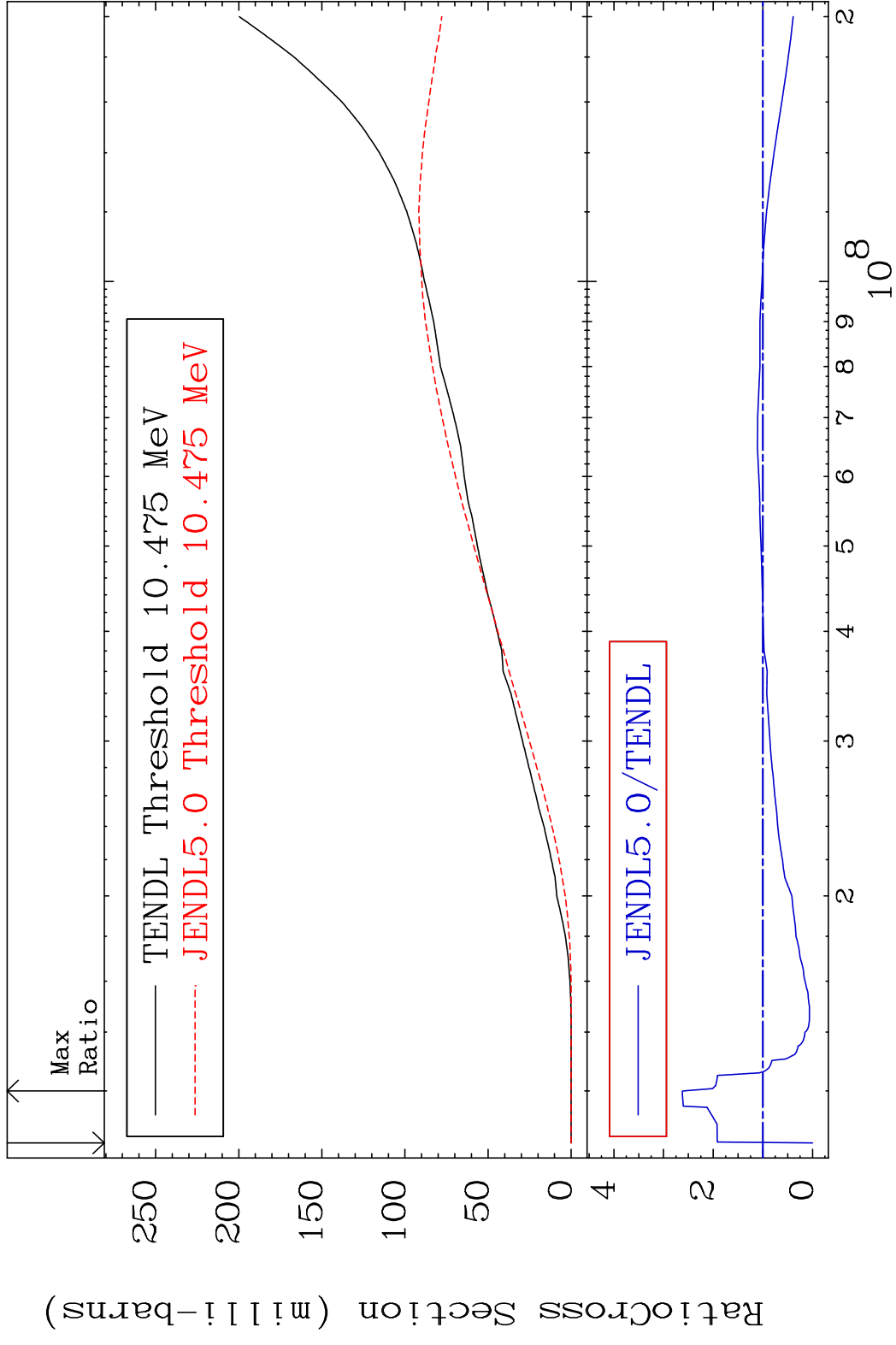


MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
 Cross Section -99.80 To 9999. %

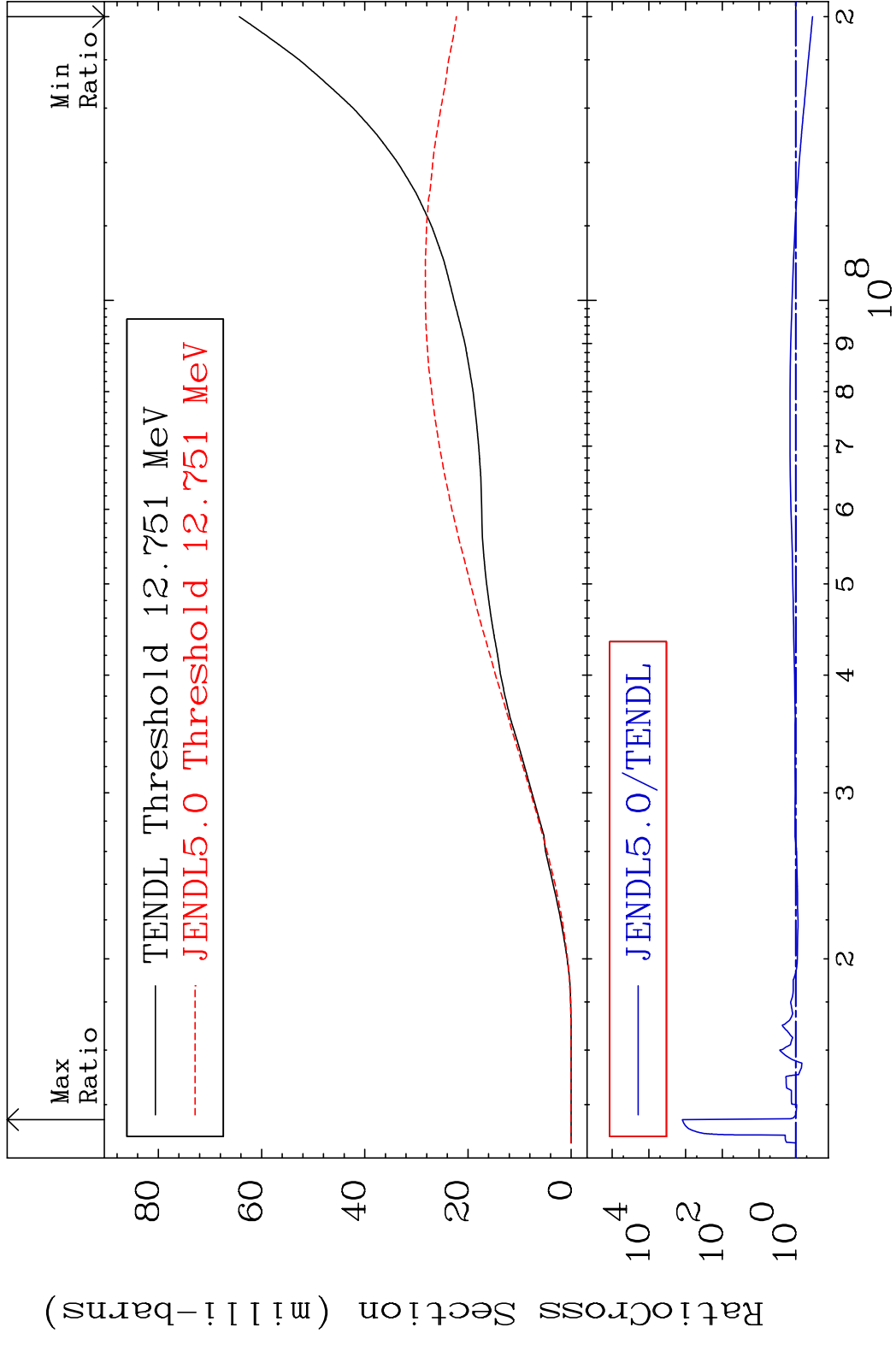


35 Incident Energy (eV) 28-Ni-64

MAT 2843 Deuterium Production ²⁸Ni-64
 Cross Section -100.0 To 162.1 %



MAT 2843 Tritium Production 28-Ni-64
 Cross Section -65.44 To 9999. %

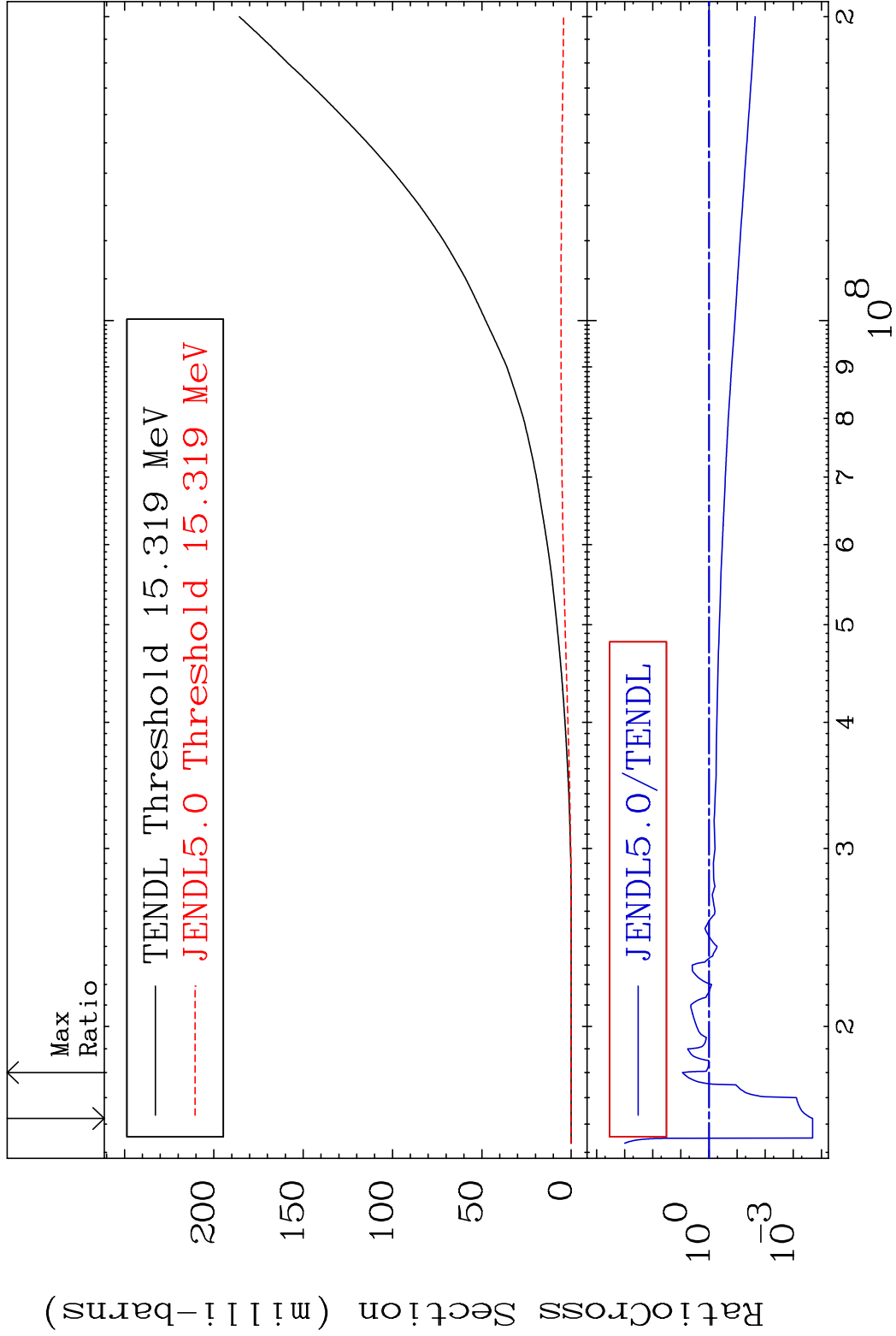


MAT 2843

He-3 Production

²⁸Ni-64

Cross Section -99.98 To 785.4 %

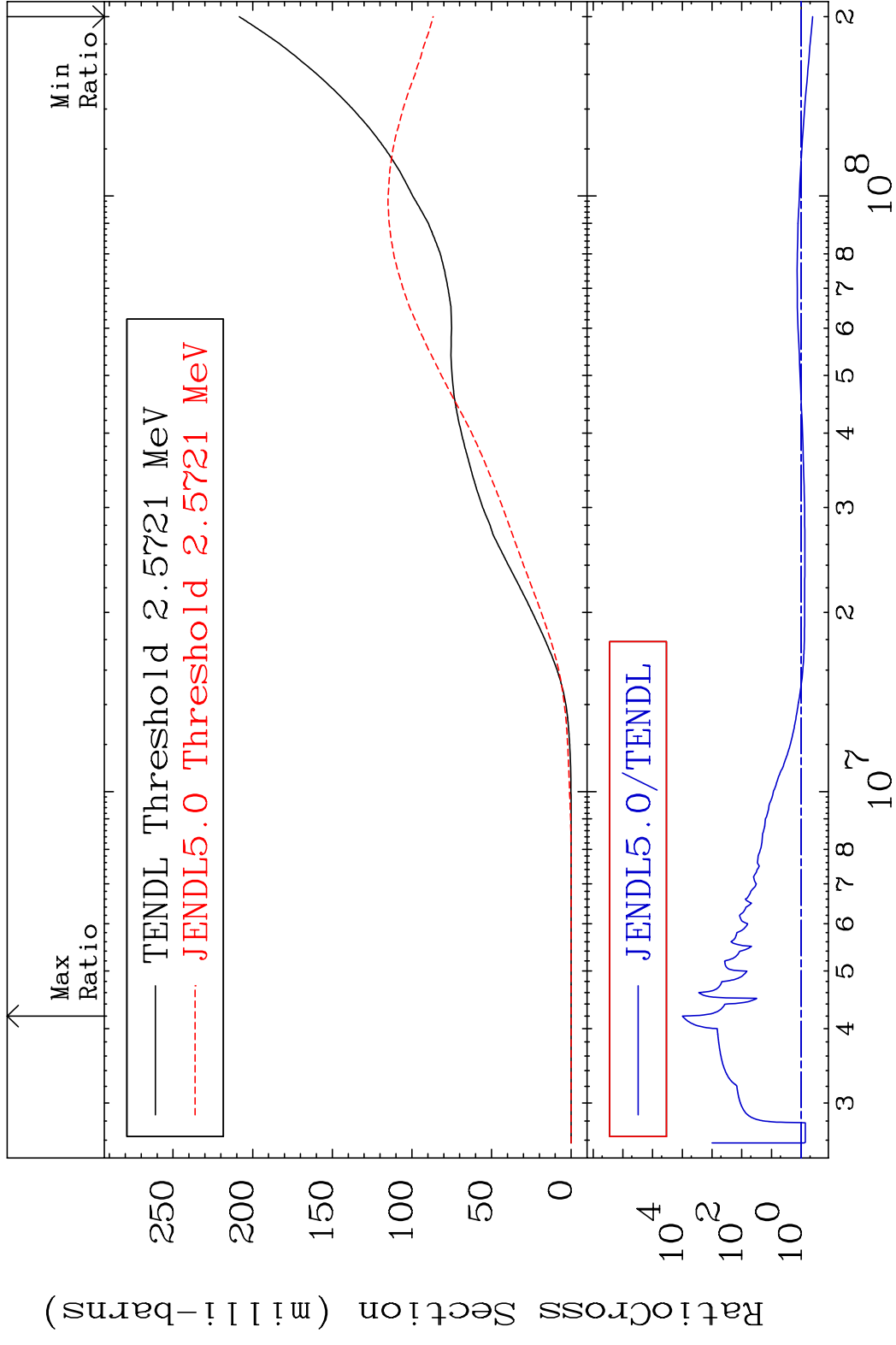


38

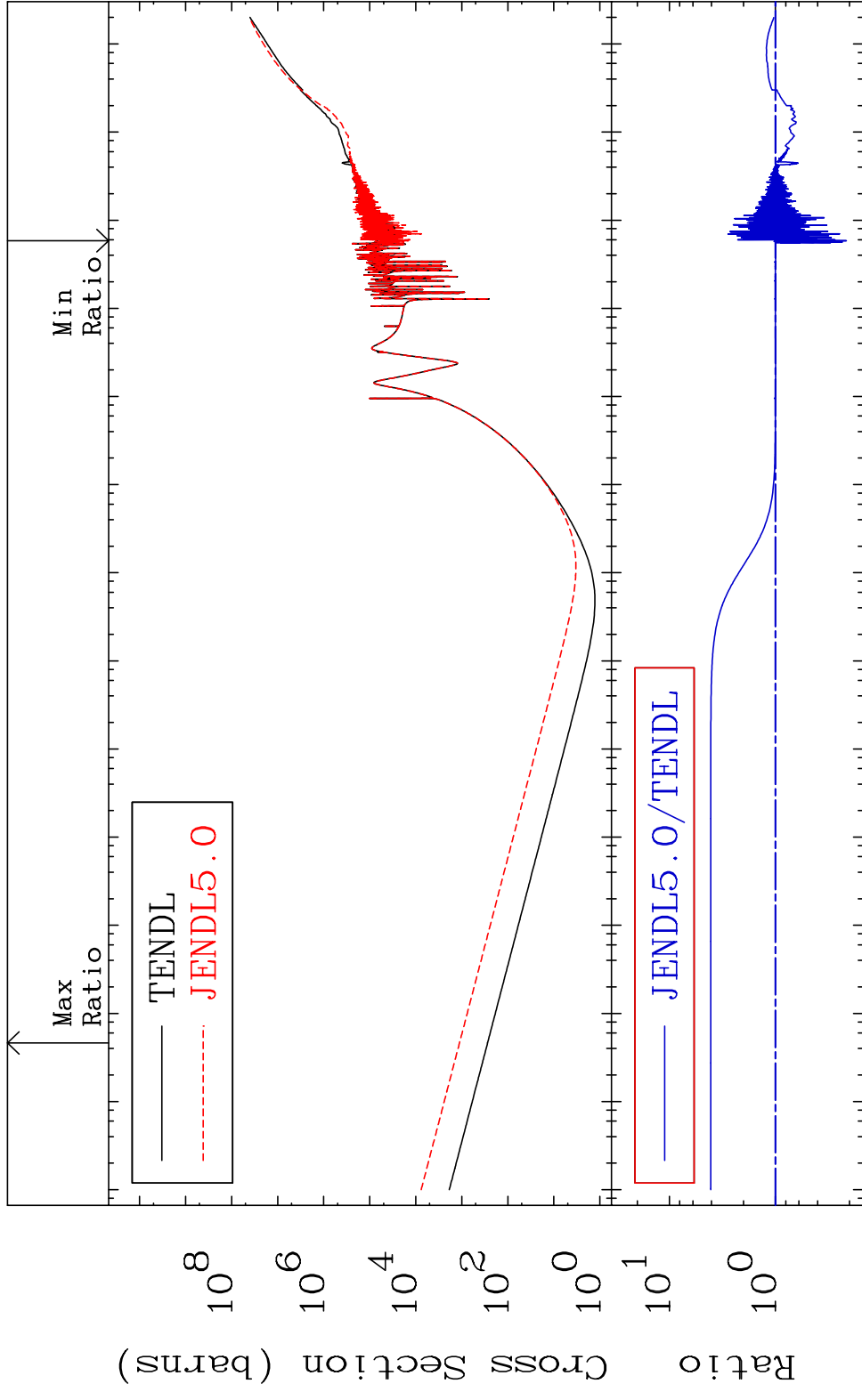
Incident Energy (eV)

²⁸Ni-64

MAT 2843 He-4 Production 28-Ni-64
 Cross Section -58.40 To 9999. %



MAT 2843 Kerma total (eV-barns) 28-Ni-64
Cross Section -78.55 To 307.5 %

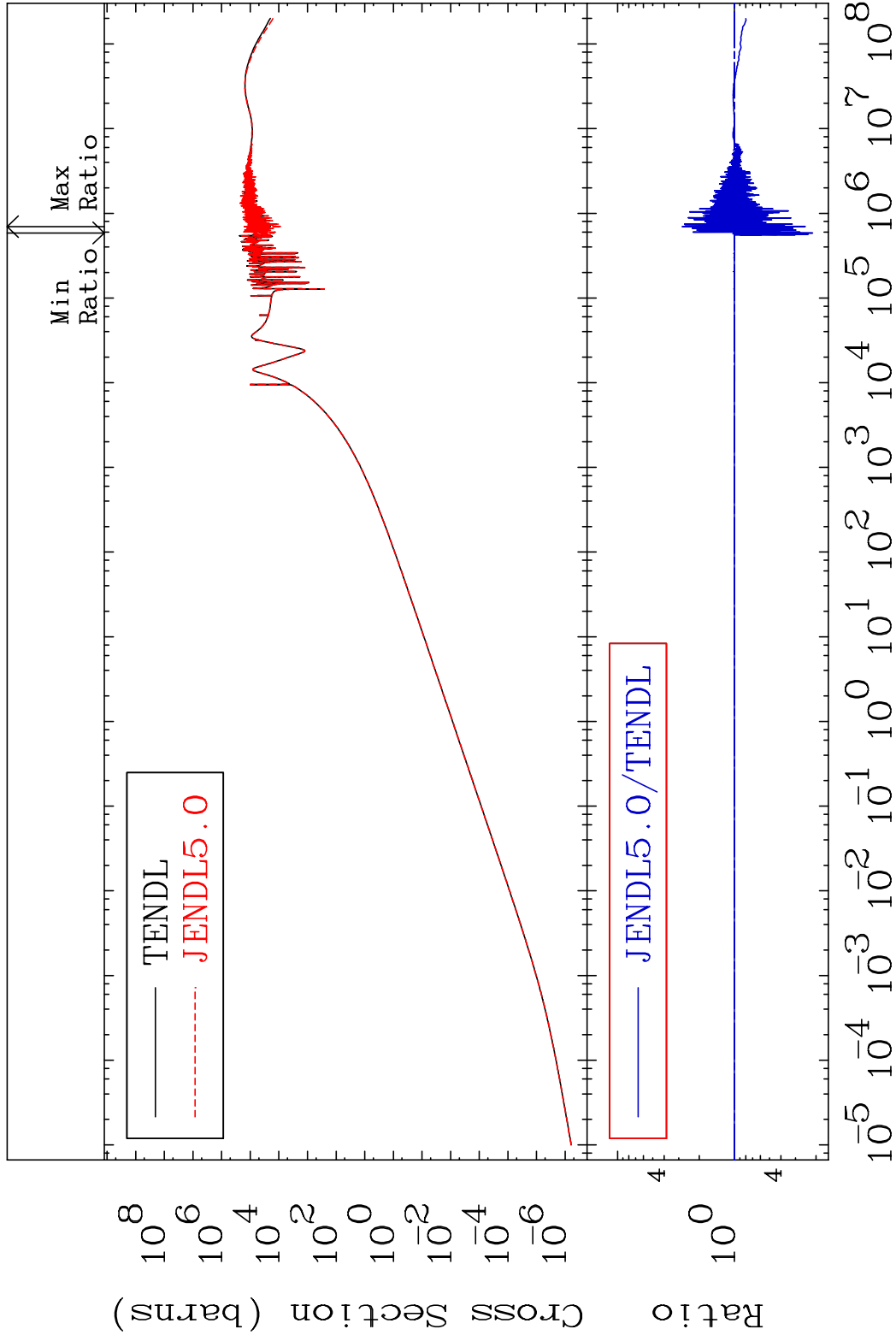


Ratio
Cross Section (barns)
Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic
Cross Section

28-Ni-64
-78.55 To 178.9 %

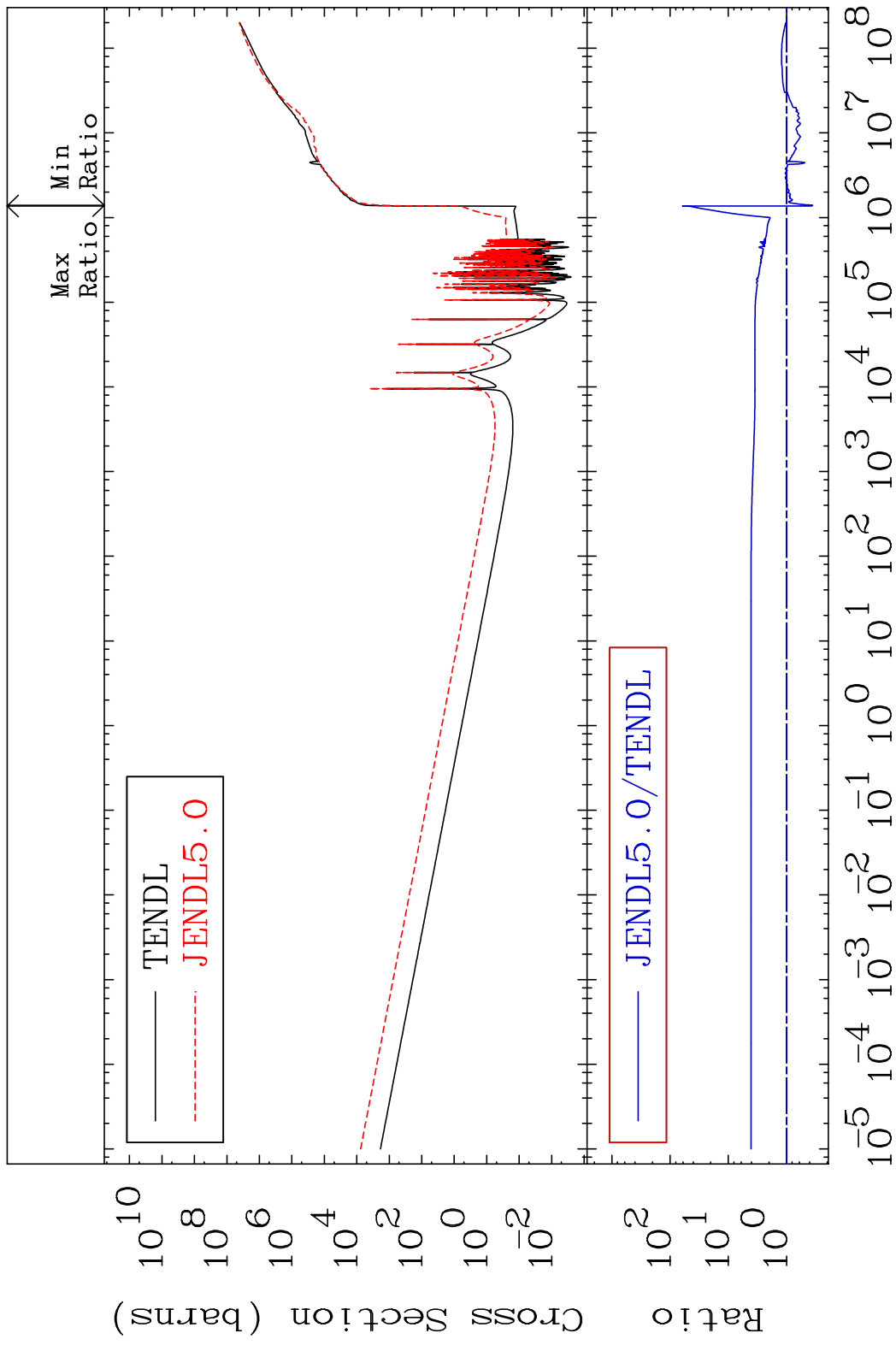


41

Incident Energy (eV)

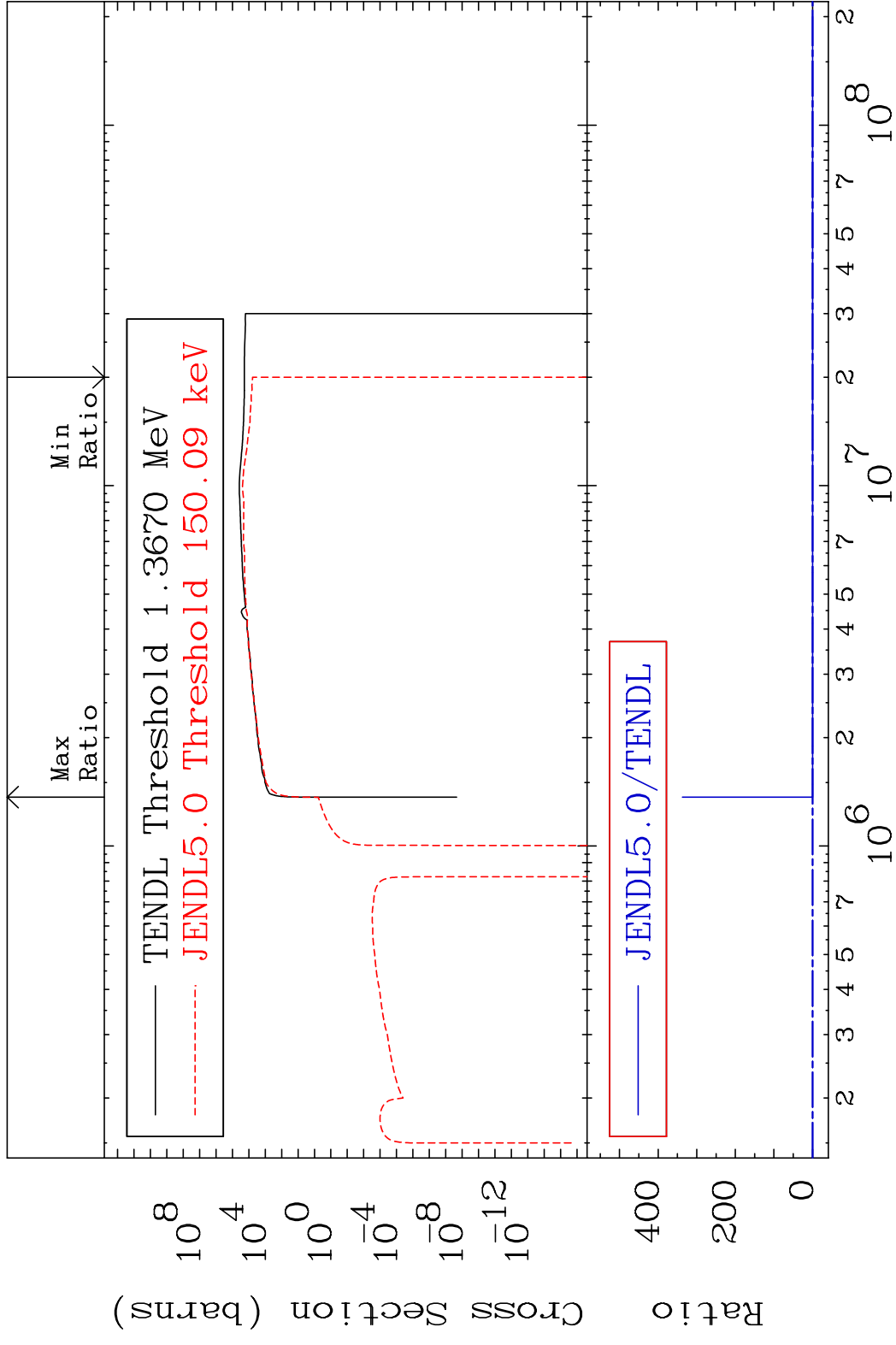
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -64.31 To 6052. %

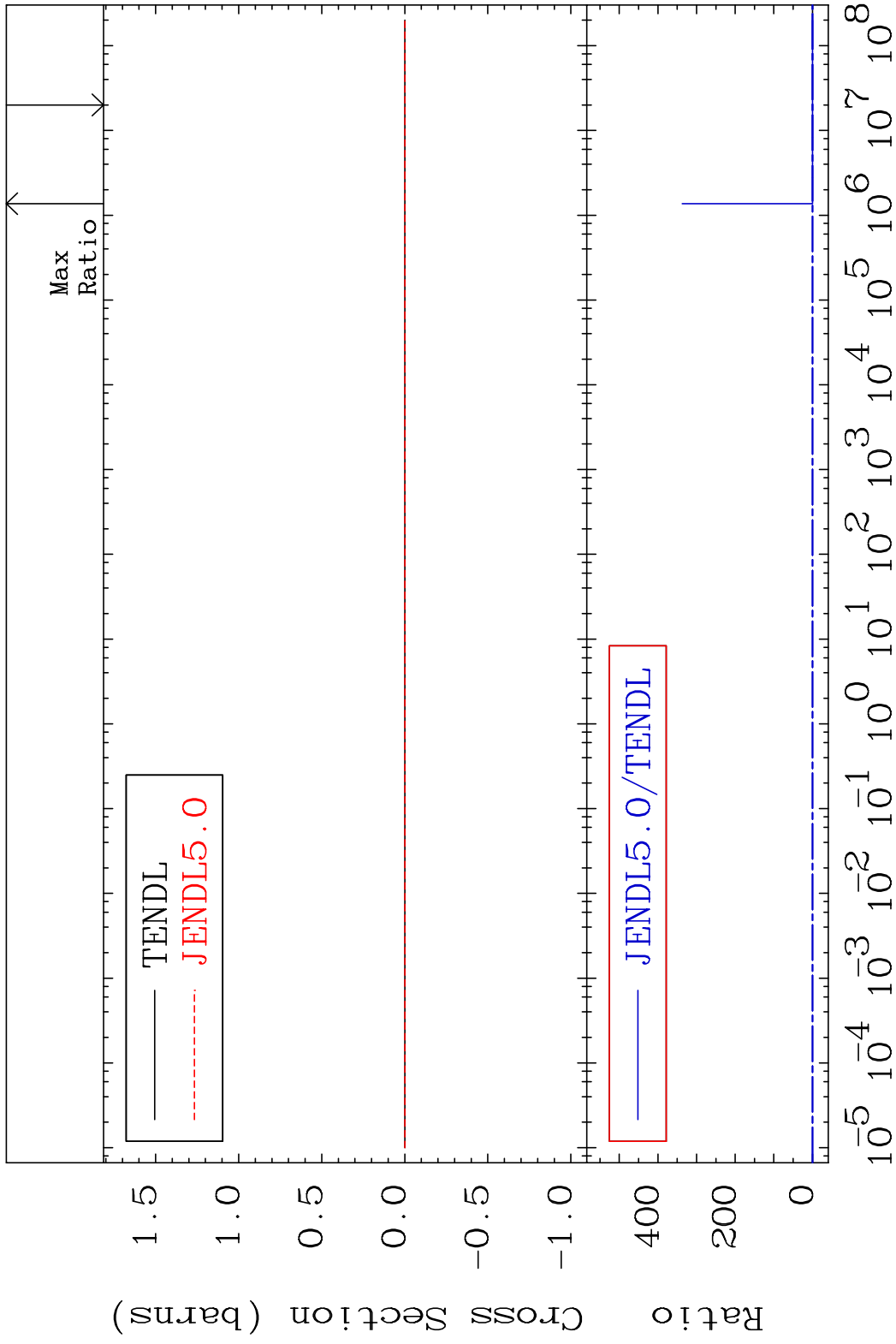


42 Incident Energy (eV) 28-Ni-64

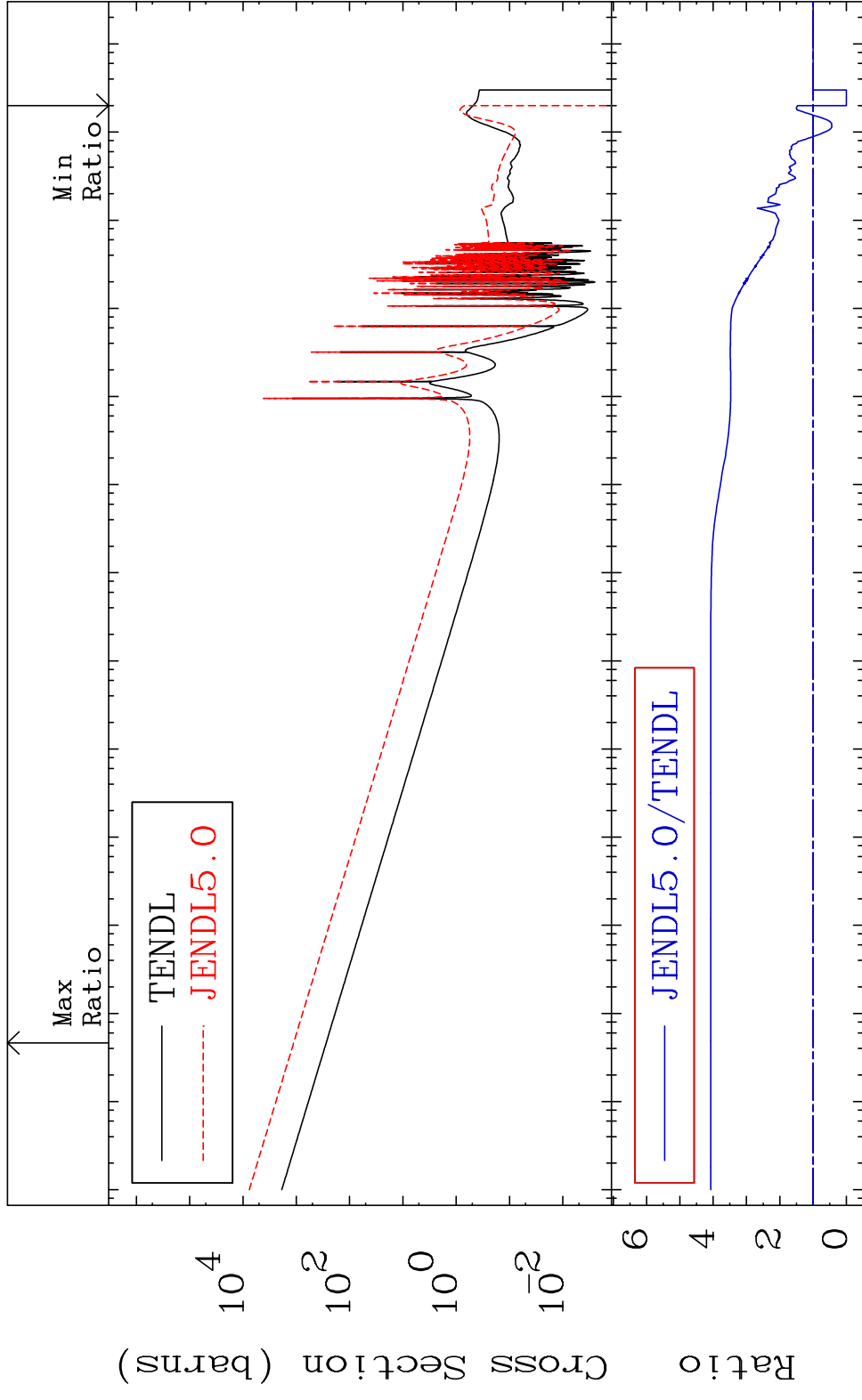
MAT 2843 Kerma inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 9999. %



MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -100.0 To 9999. %

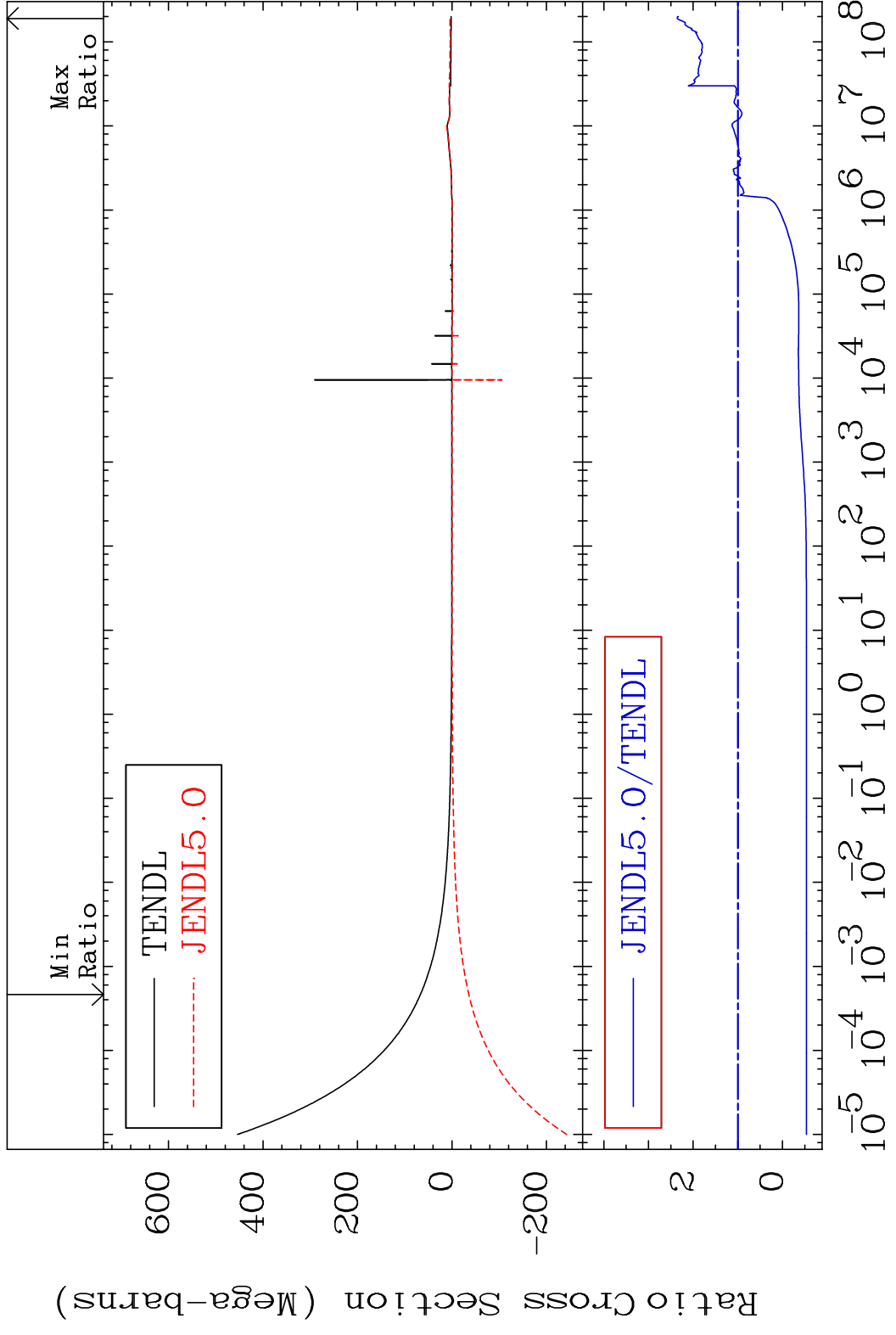


MAT 2843 Kerma capture (mt102) 28-Ni-64
Cross Section -100.0 To 307.5 %



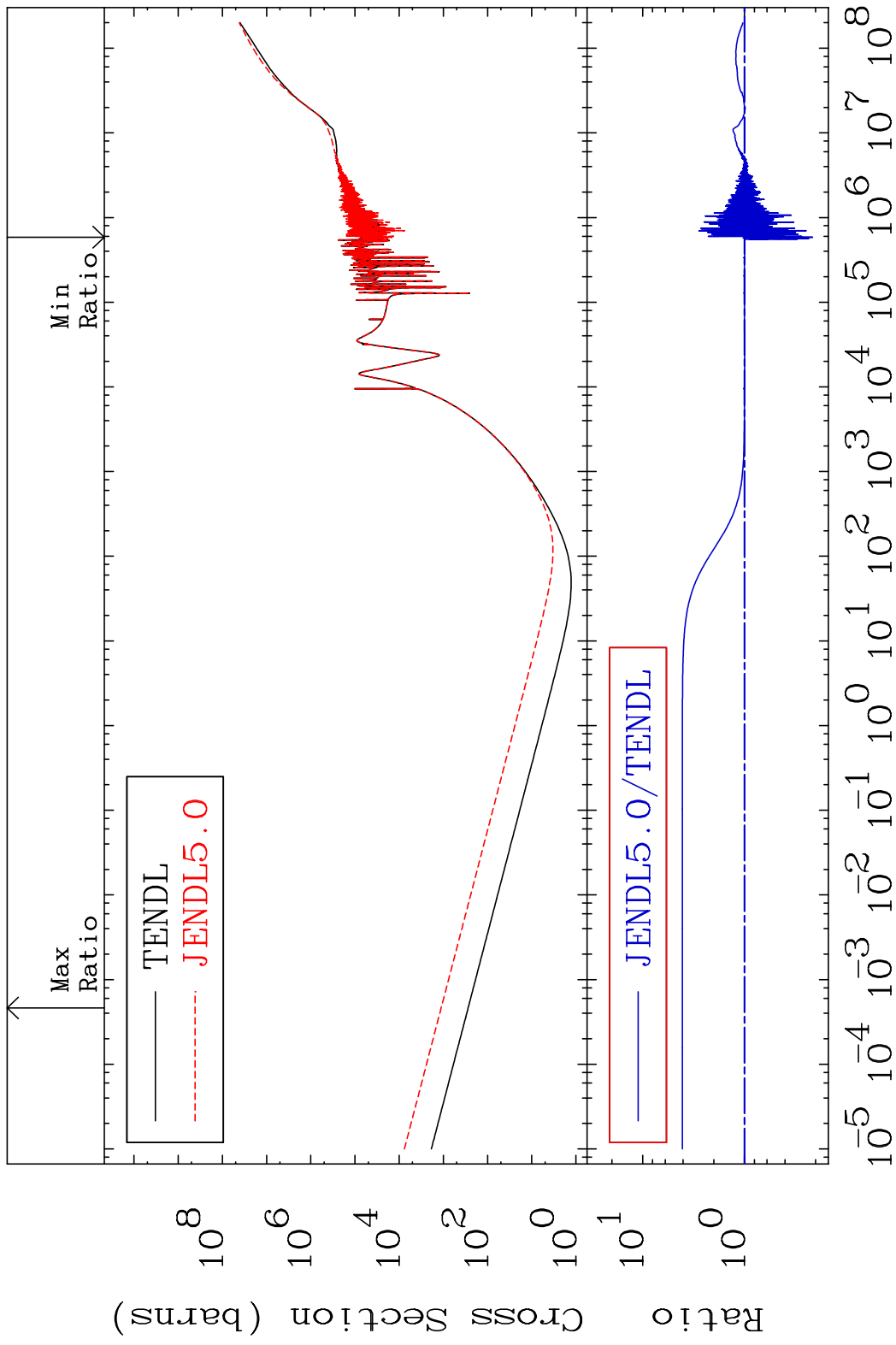
45 Incident Energy (eV) 28-Ni-64

MAT 2843 Total photon (eV-barns) 28-Ni-64
Cross Section -153.6 To 135.8 %

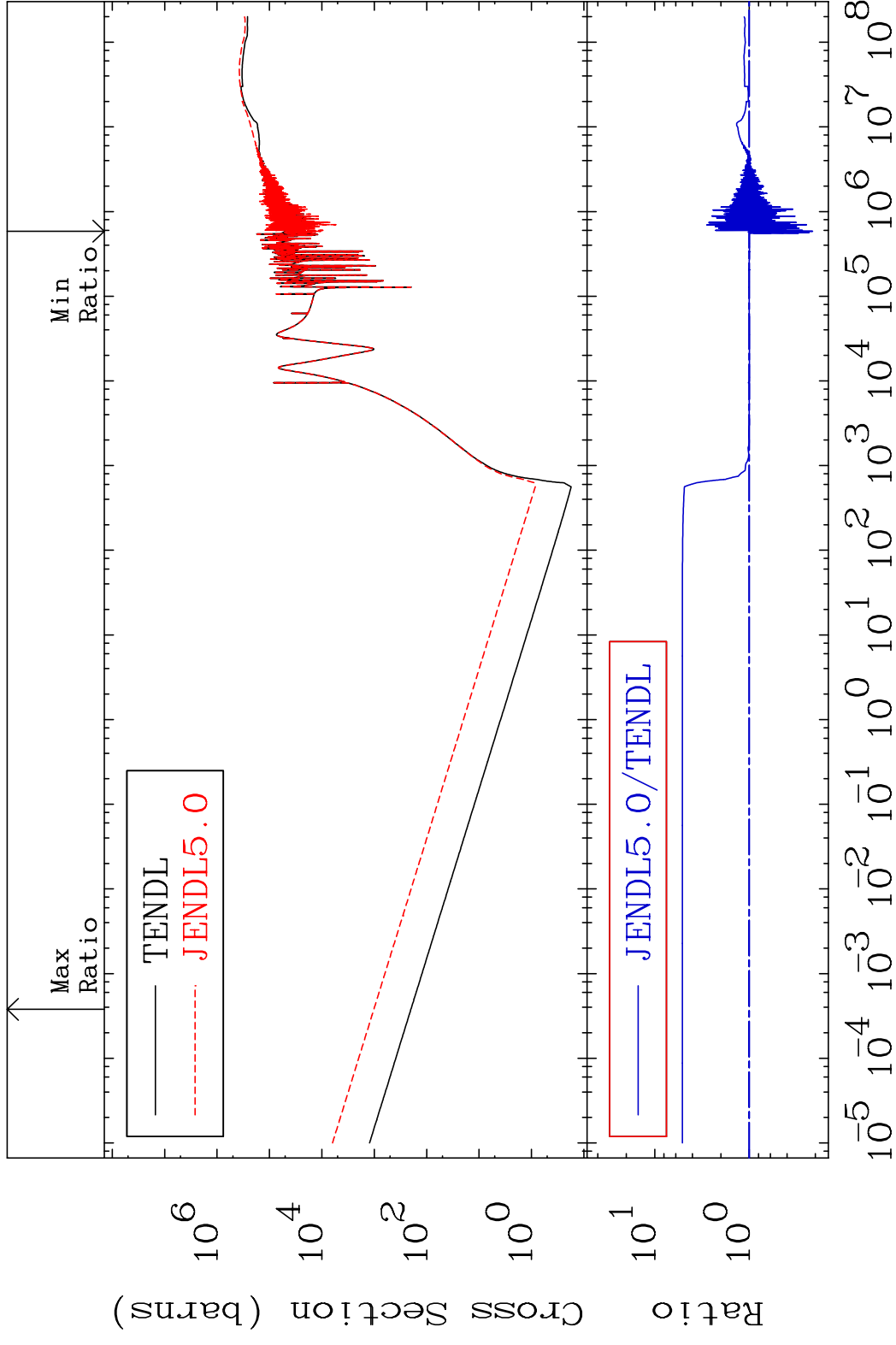


46 Incident Energy (eV) 28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
Cross Section -78.55 To 307.5 %



MAT 2843 Dpa total (eV-barns) 28-Ni-64
 Cross Section -78.54 To 410.2 %



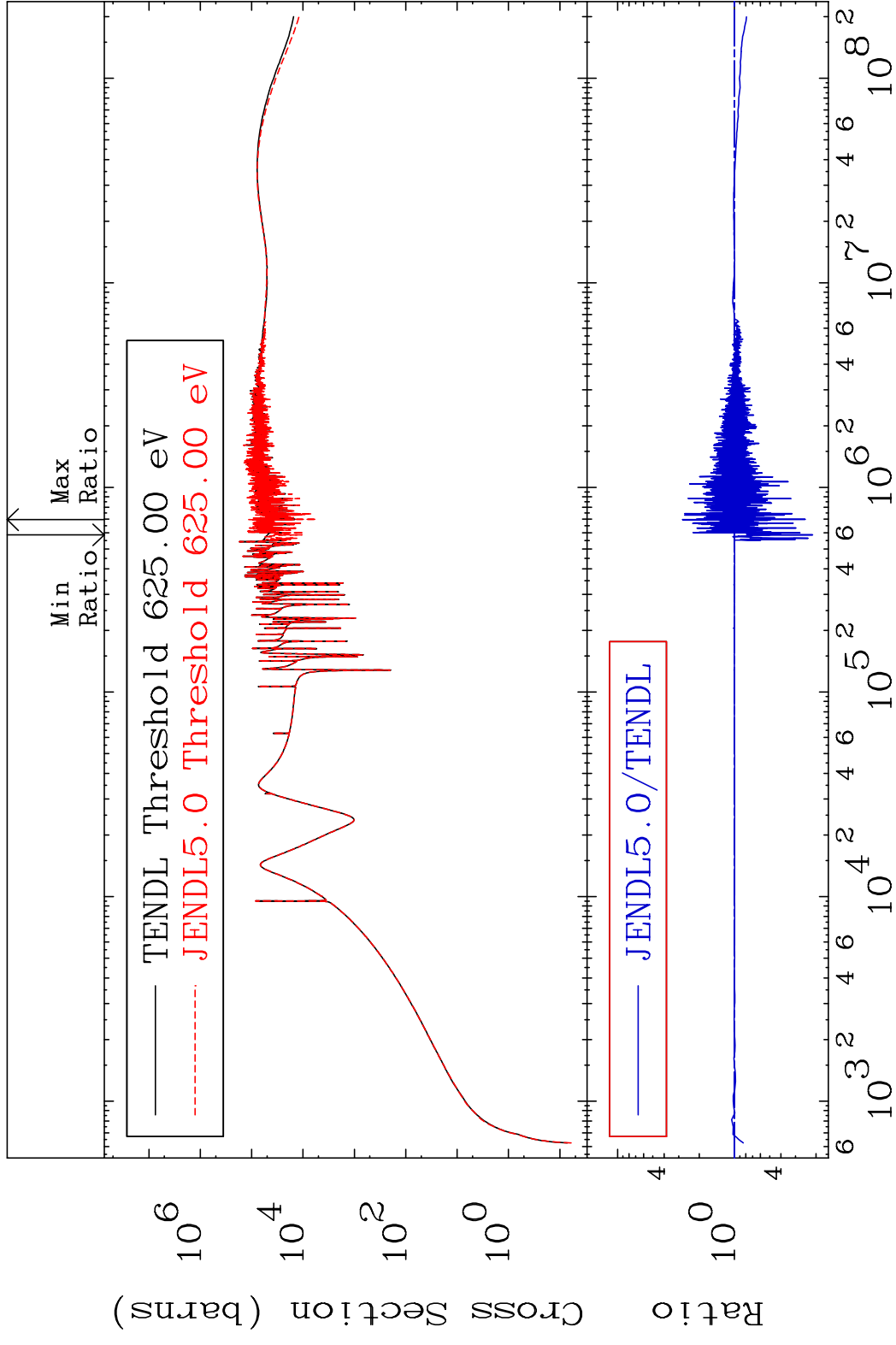
48 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -78.54 To 179.3 %

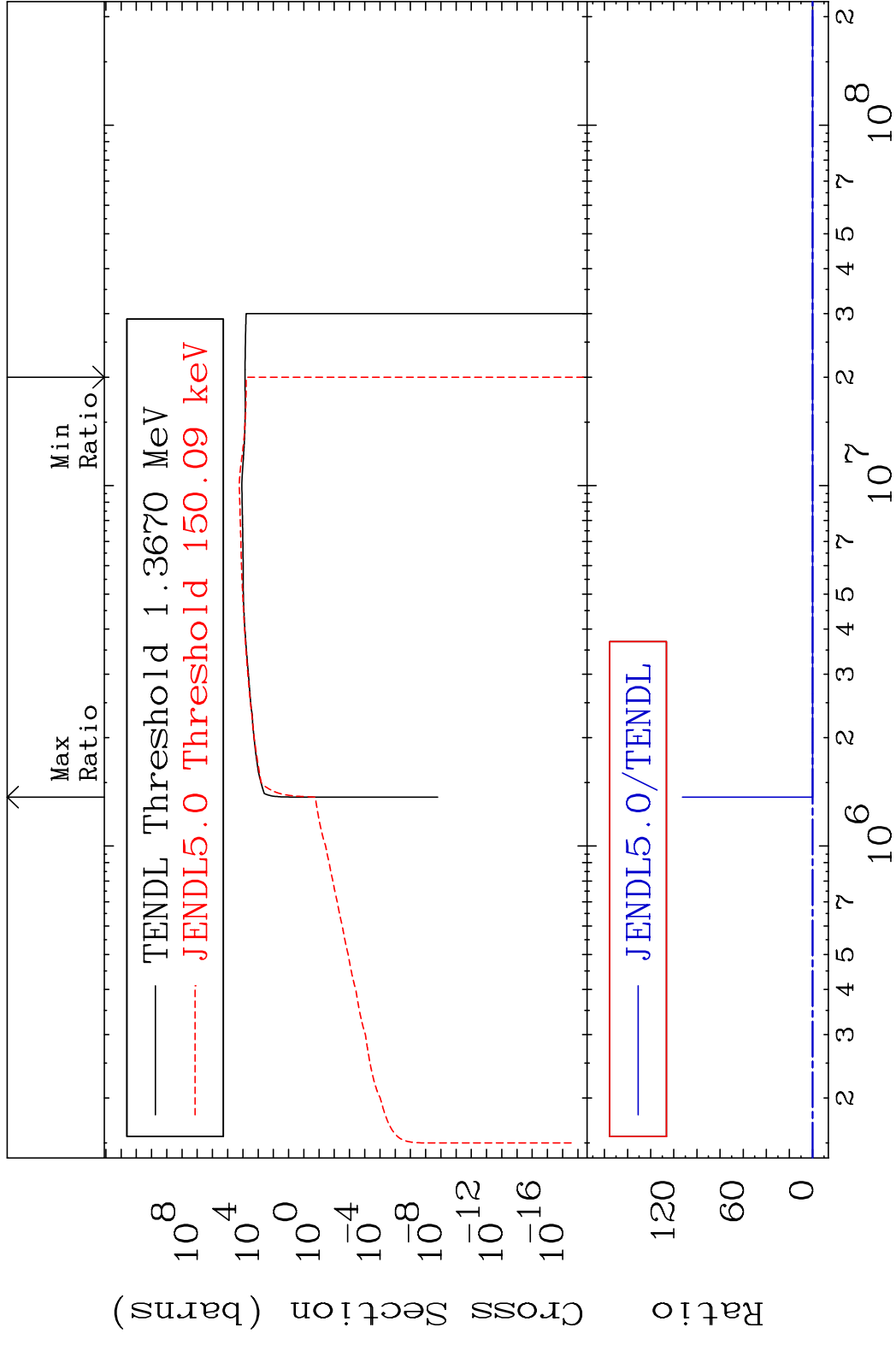


49

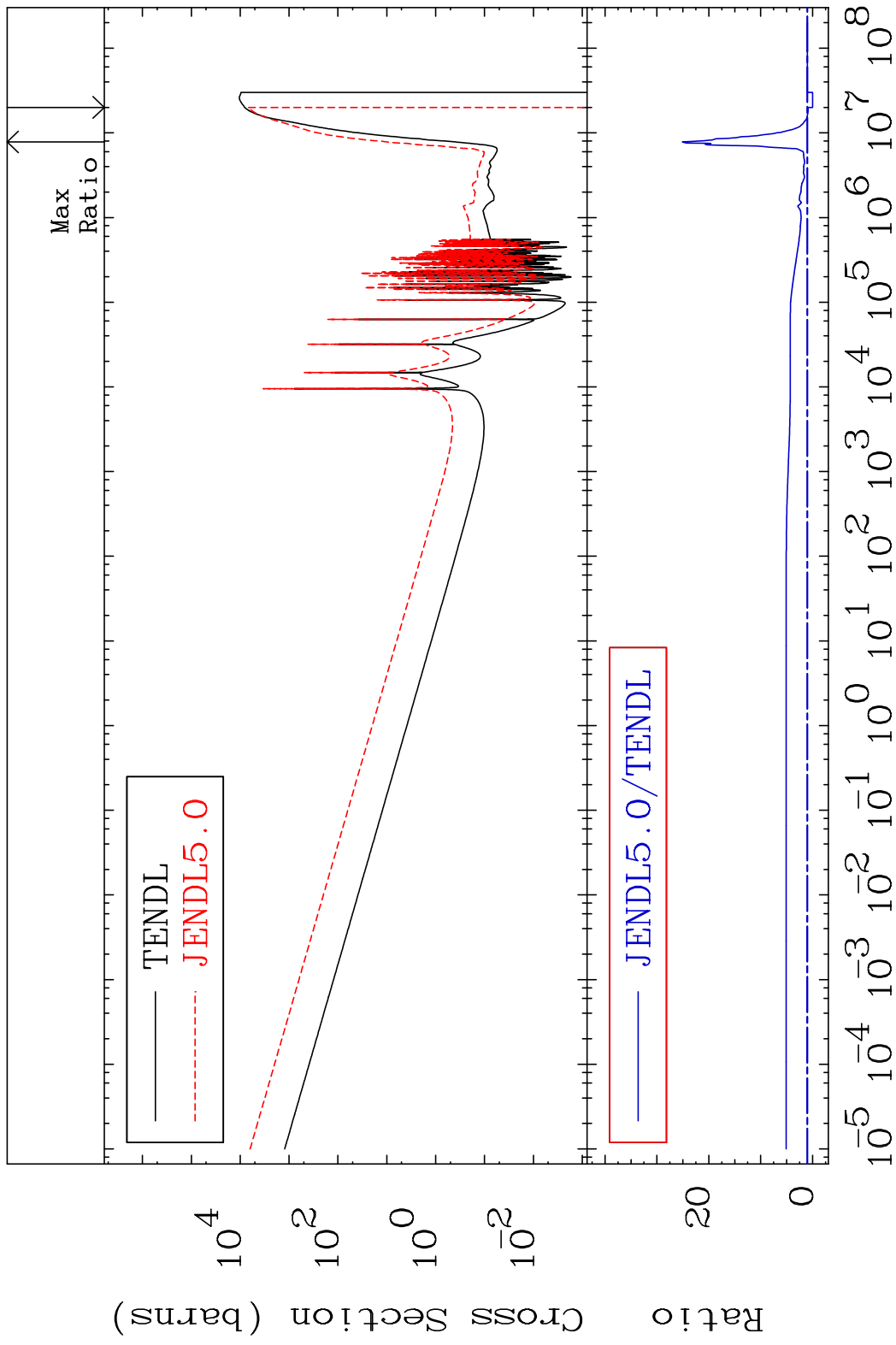
Incident Energy (eV)

28-Ni-64

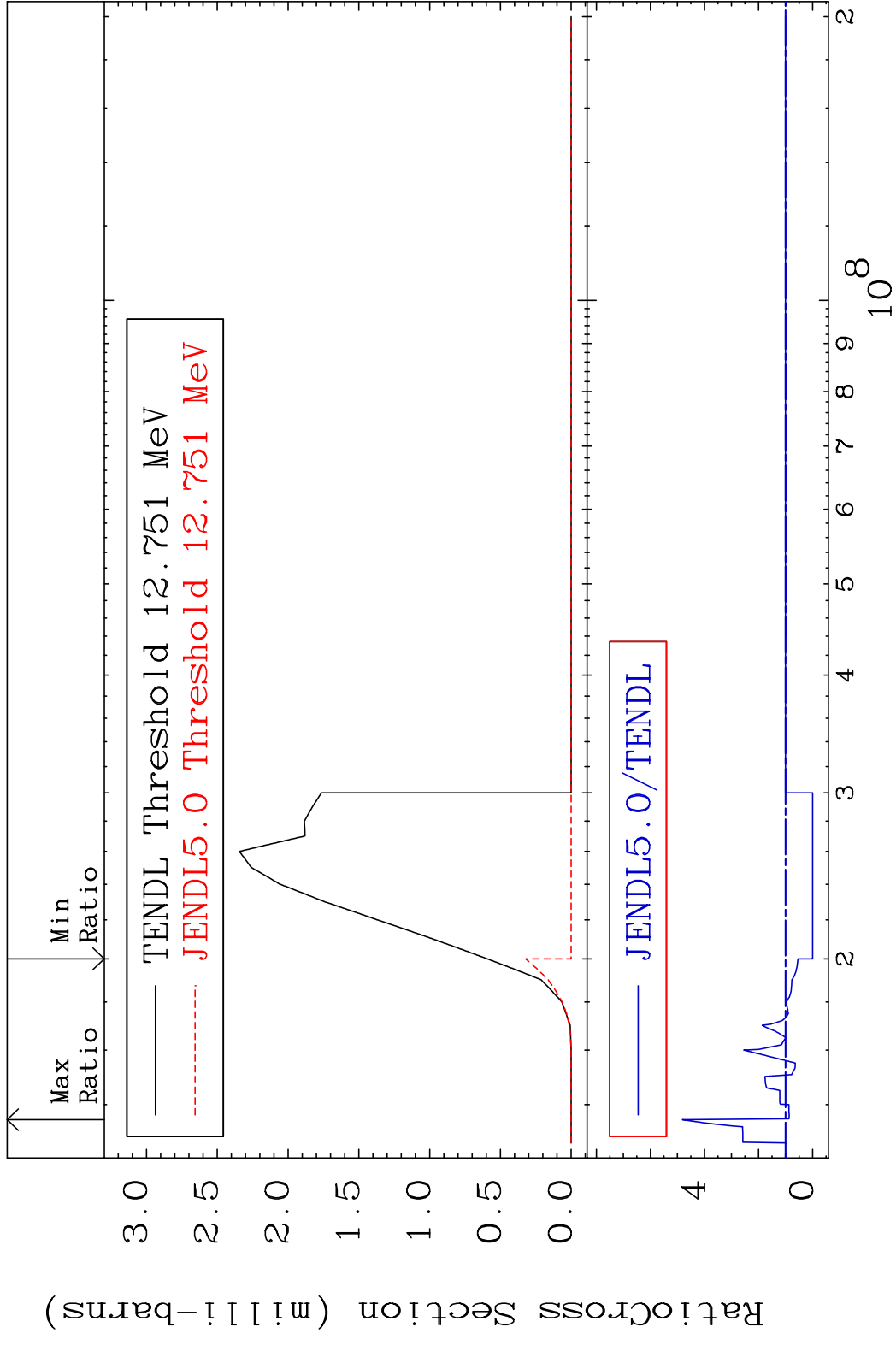
MAT 2843 Dpa inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 9999. %

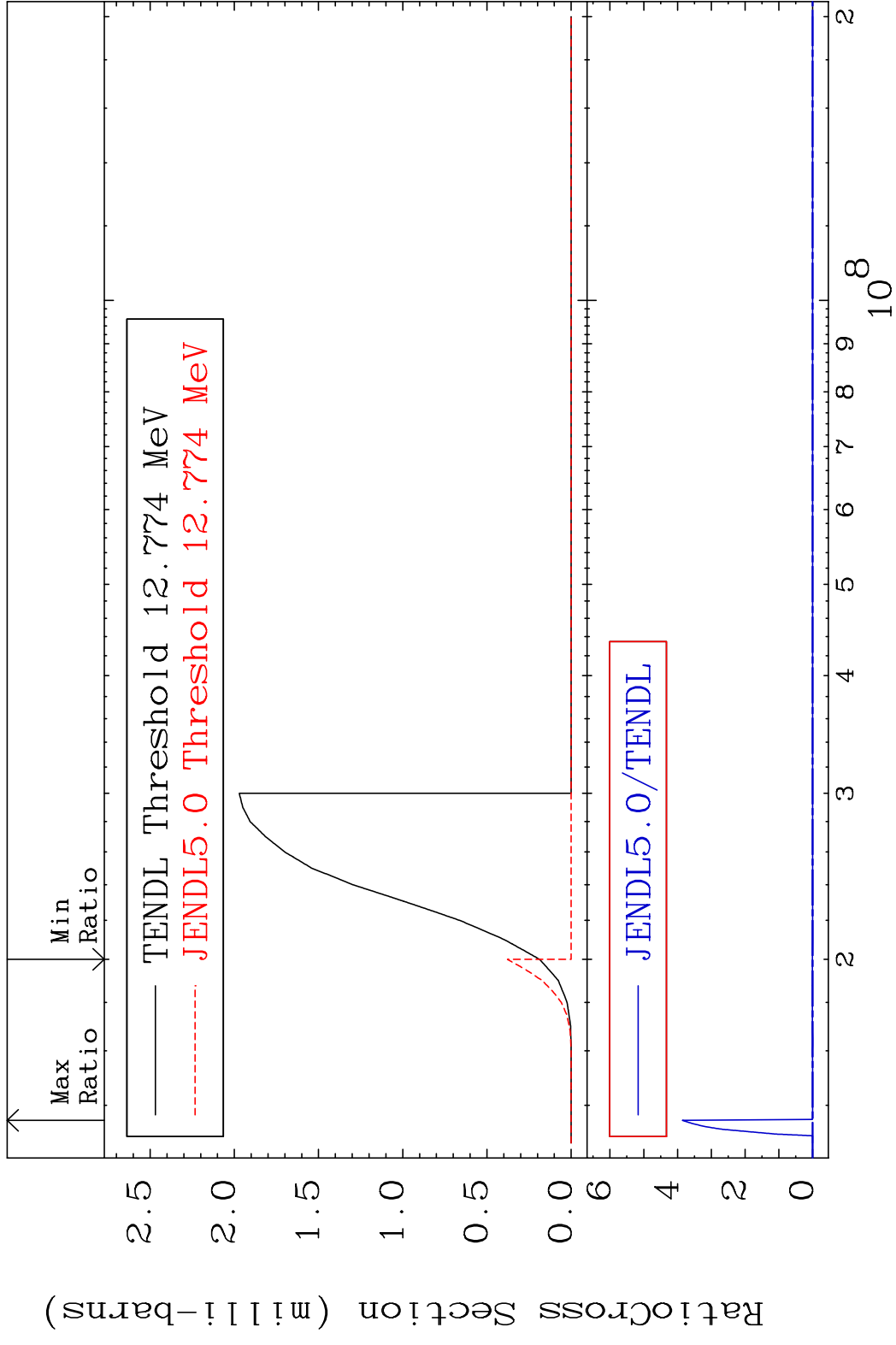


MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
Cross Section -100.0 To 2410. %

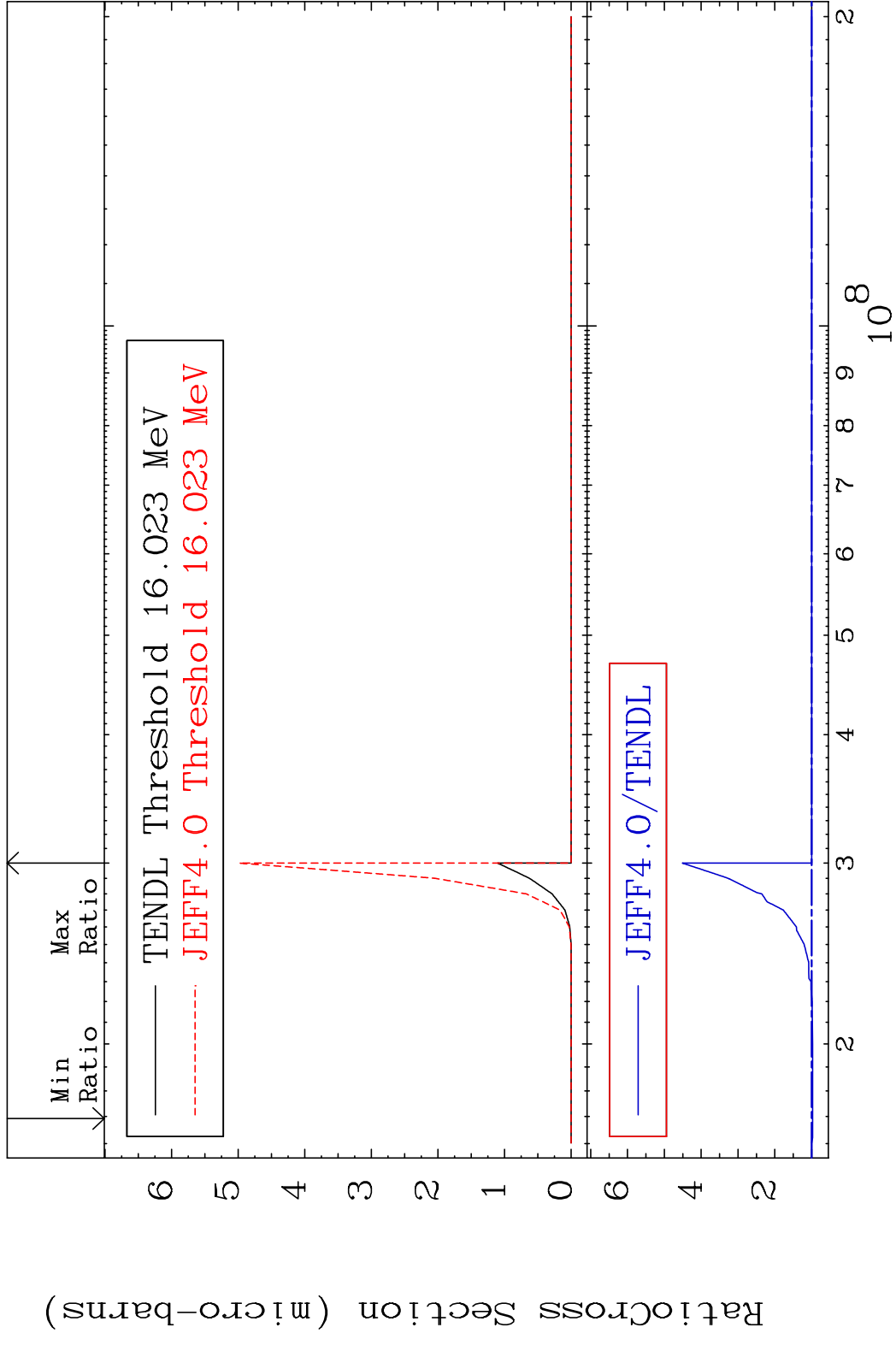


MAT 2843 (n, t): 27-Co-62g 28-Ni-64
 Radionuclide Production Cross Section 180.0 mb 381.7 %

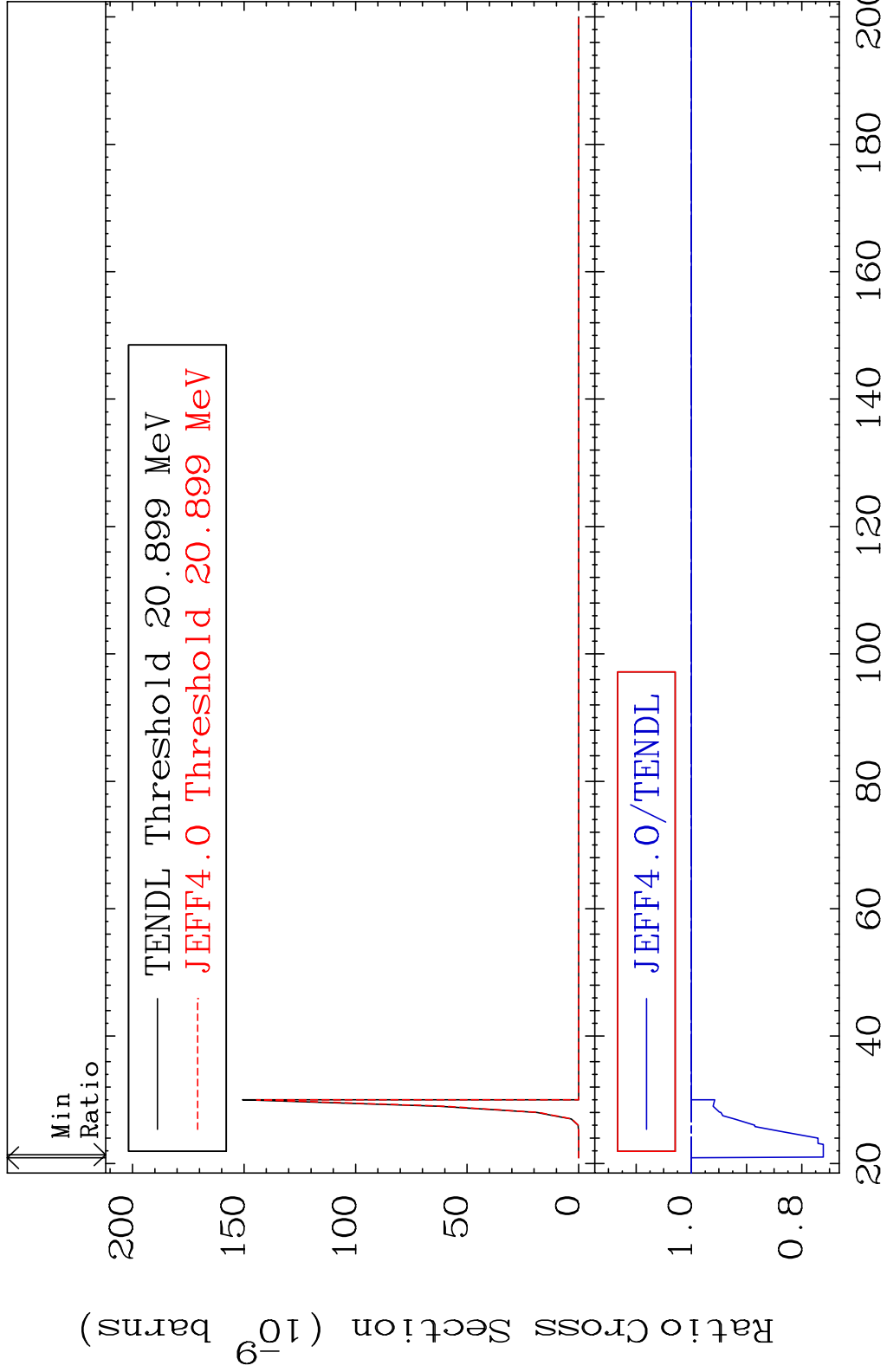




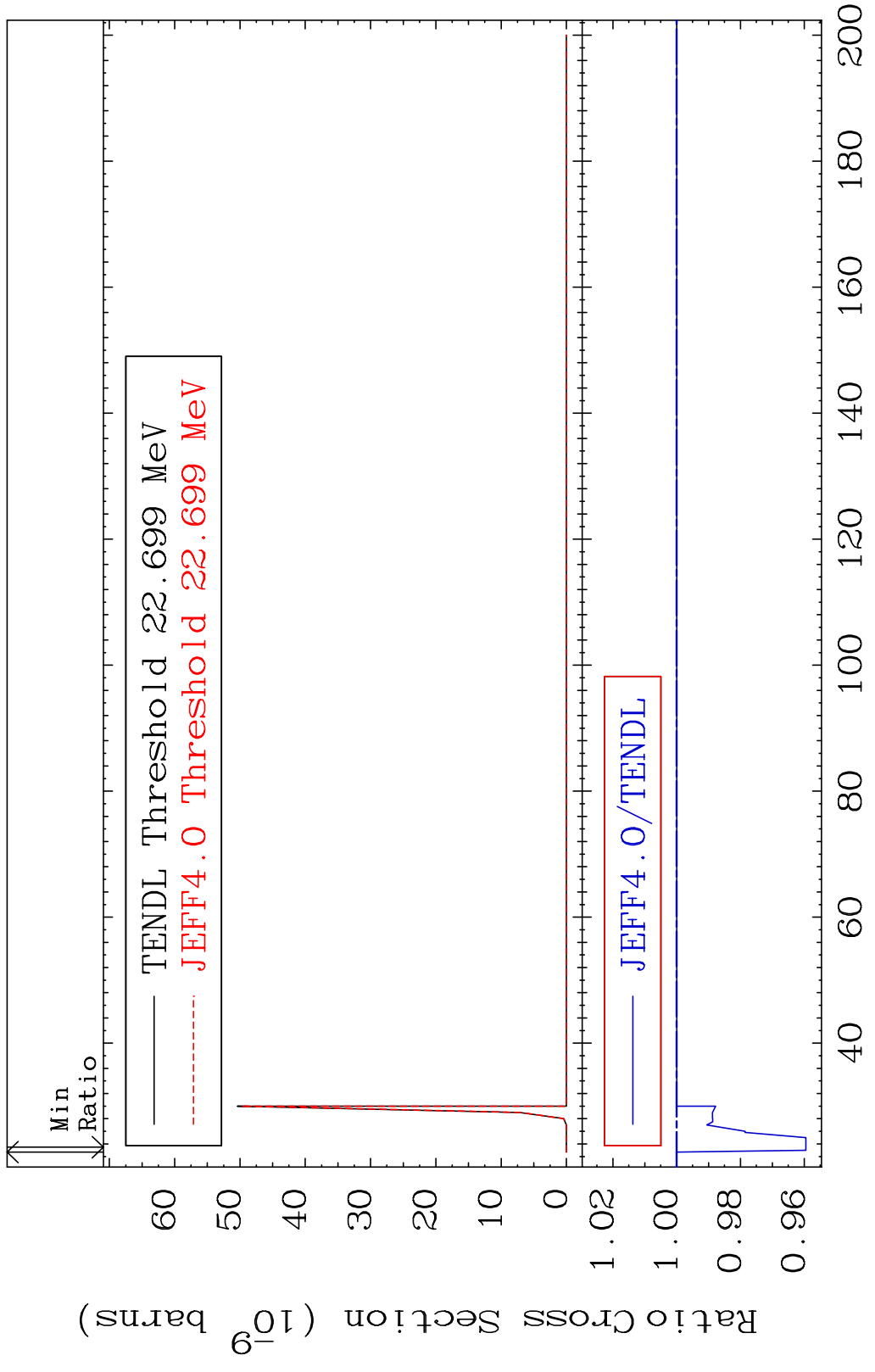
MAT 2843 (n,p) α 28-Ni-64
 Cross Section -2.489 To 351.1 %



MAT 2843 (n,p) d 28-Ni-64
 Cross Section -23.88 To 0.000 %



MAT 2843 (n,p) t 28-Ni-64
 Cross Section -4.050 To 0.000 %

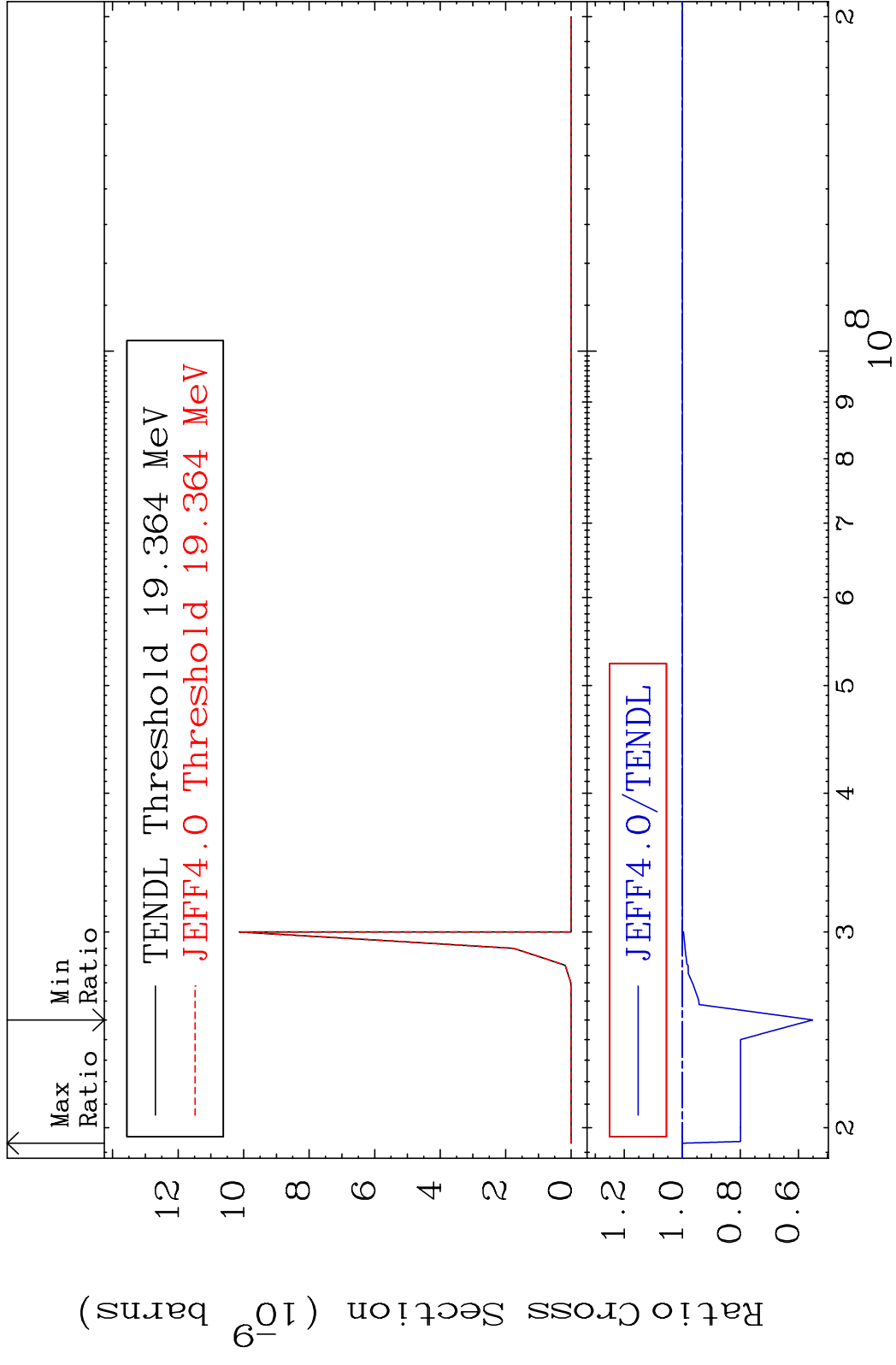


MAT 2843

(n,d) α

28-Ni-64

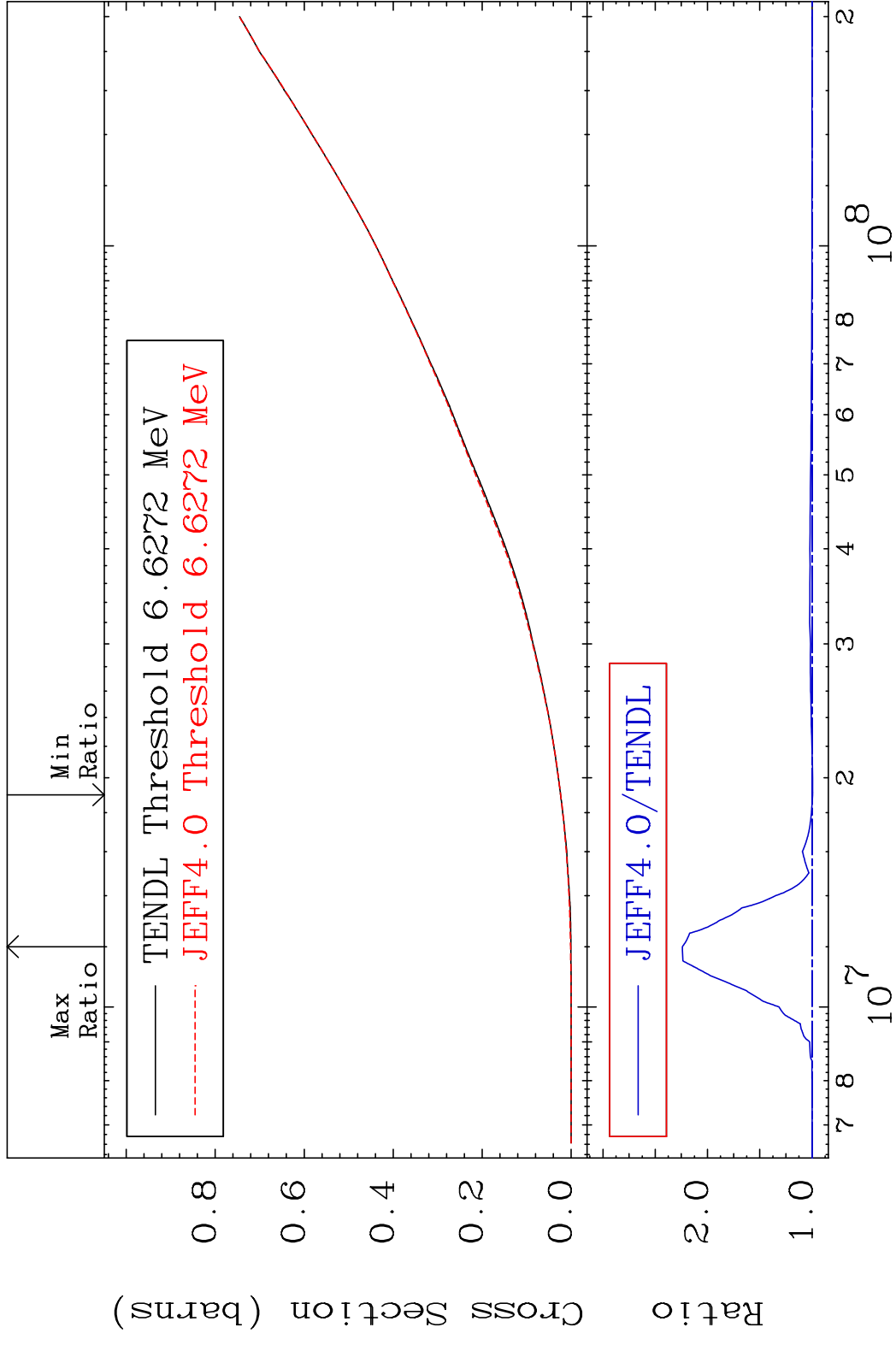
Cross Section -44.85 To 0.000 %



MAT 2843

Hydrogen Production ²⁸Ni-64

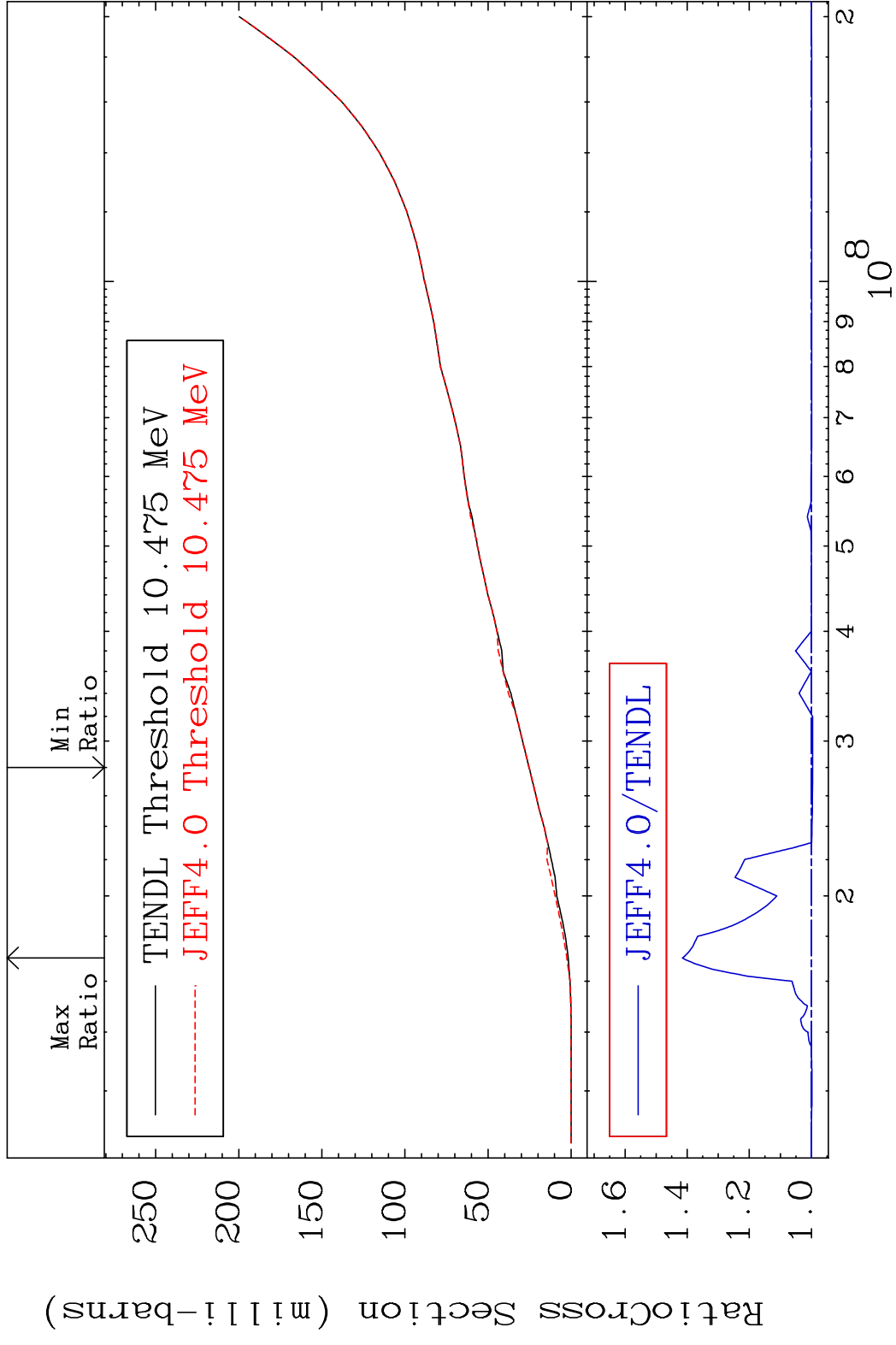
Cross Section -0.481 To 124.0 %



58

Incident Energy (eV) ²⁸Ni-64

MAT 2843 Deuterium Production ²⁸Ni-64
 Cross Section -0.360 To 41.56 %

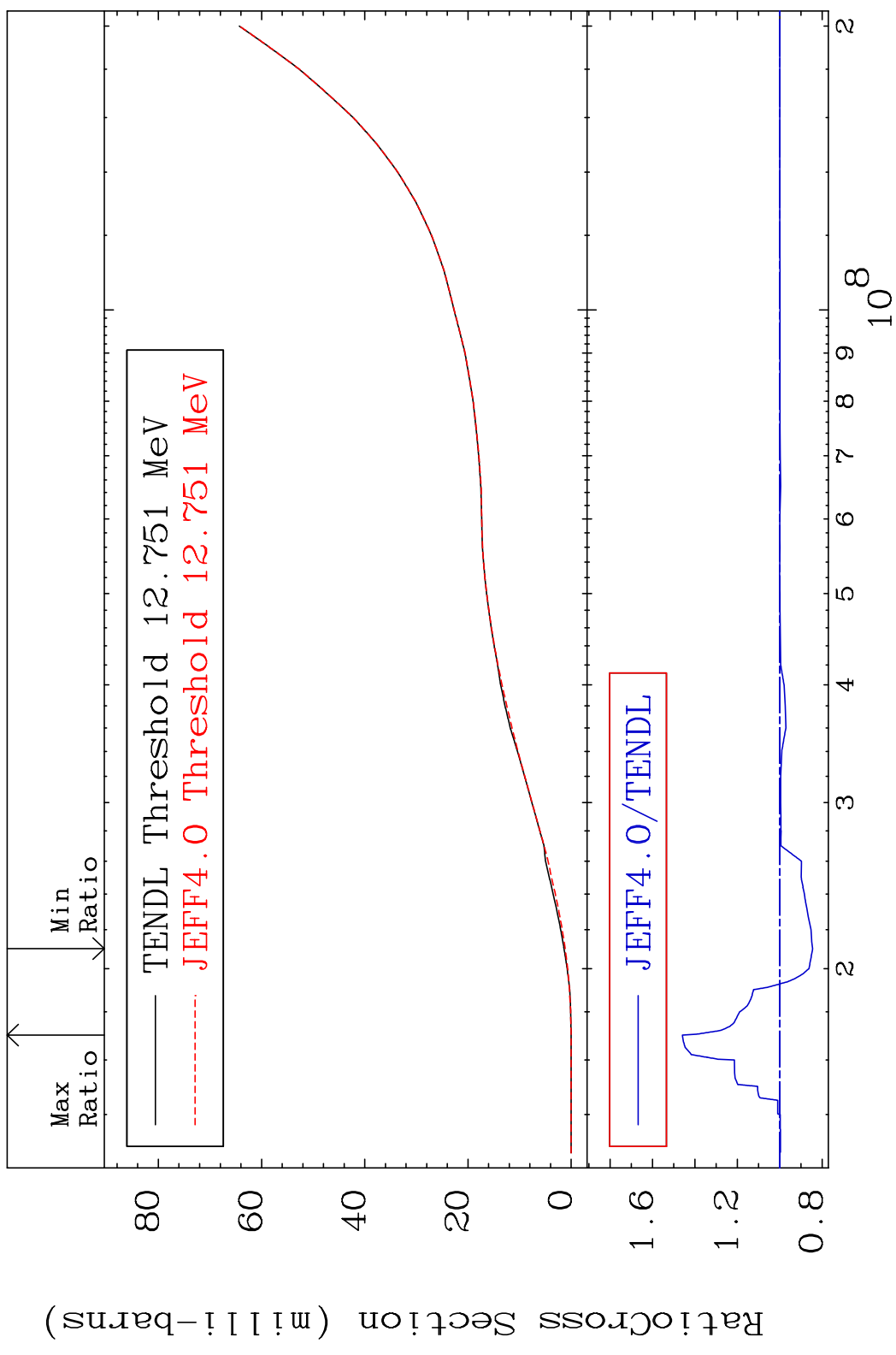


MAT 2843

Tritium Production

²⁸Ni-64

Cross Section -15.50 To 45.93 %



60

Incident Energy (eV)

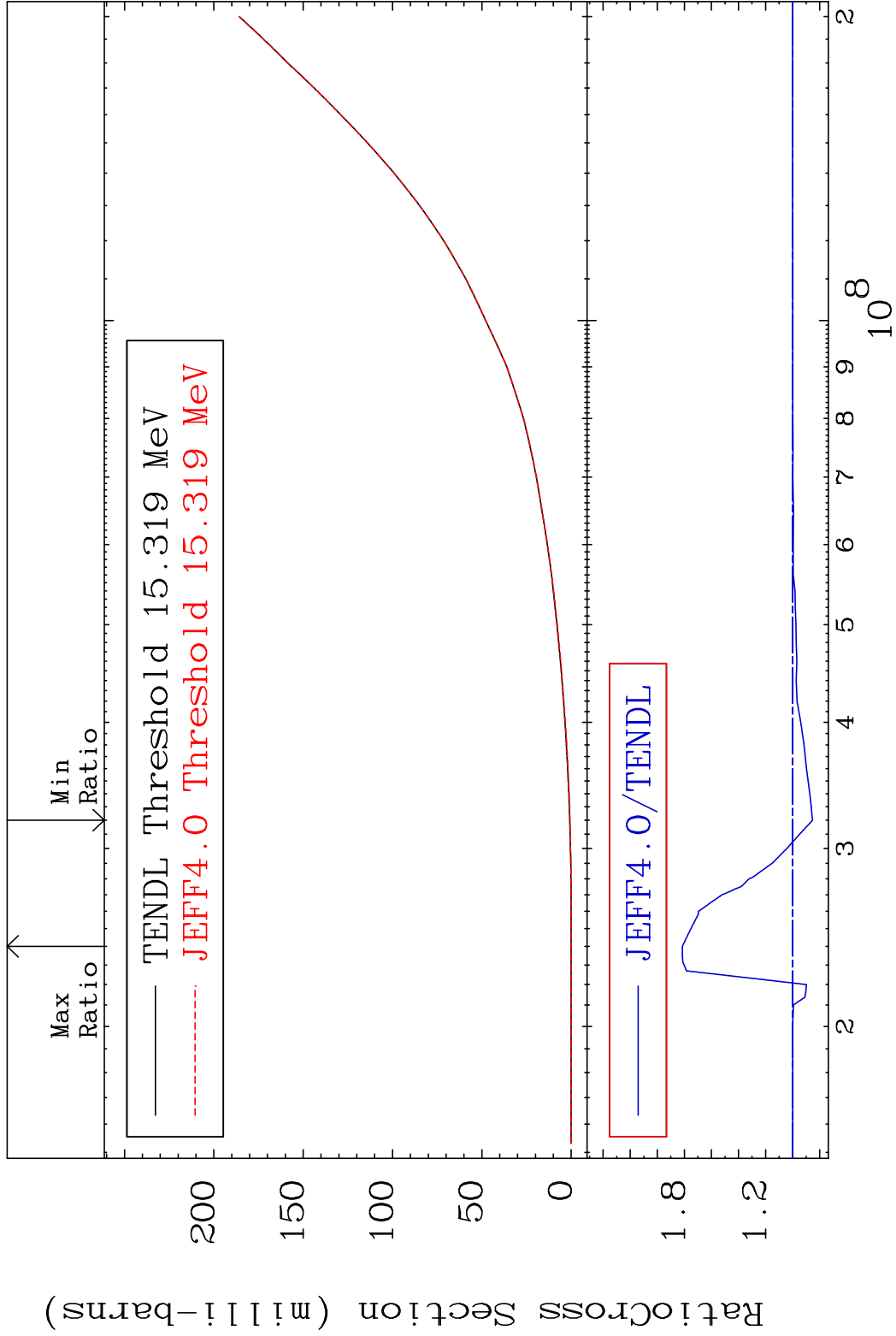
²⁸Ni-64

MAT 2843

He-3 Production

²⁸Ni-64

Cross Section -14.71 To 81.48 %



61

Incident Energy (eV)

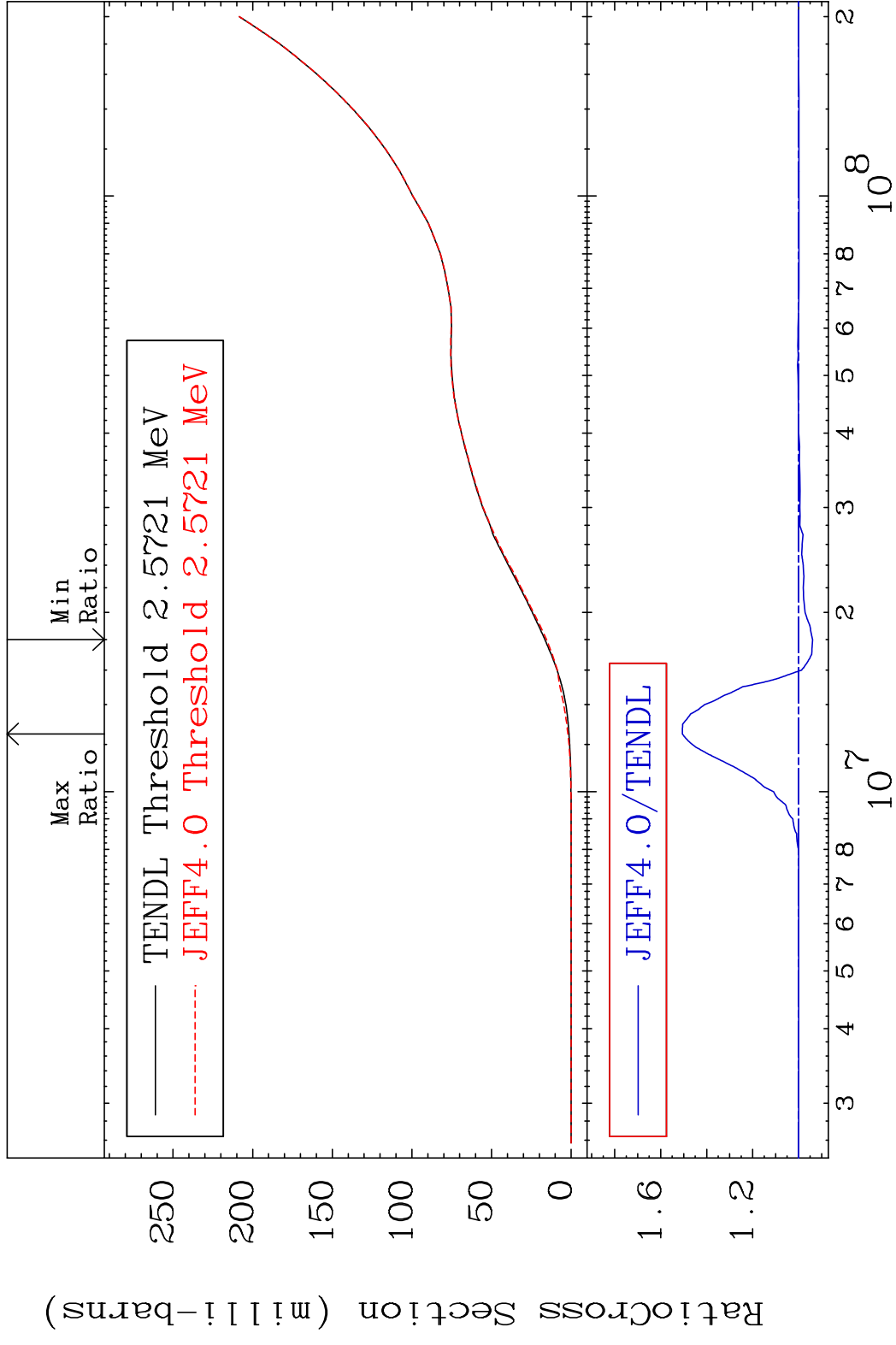
²⁸Ni-64

MAT 2843

He-4 Production

²⁸Ni-64

Cross Section -6.043 To 50.58 %

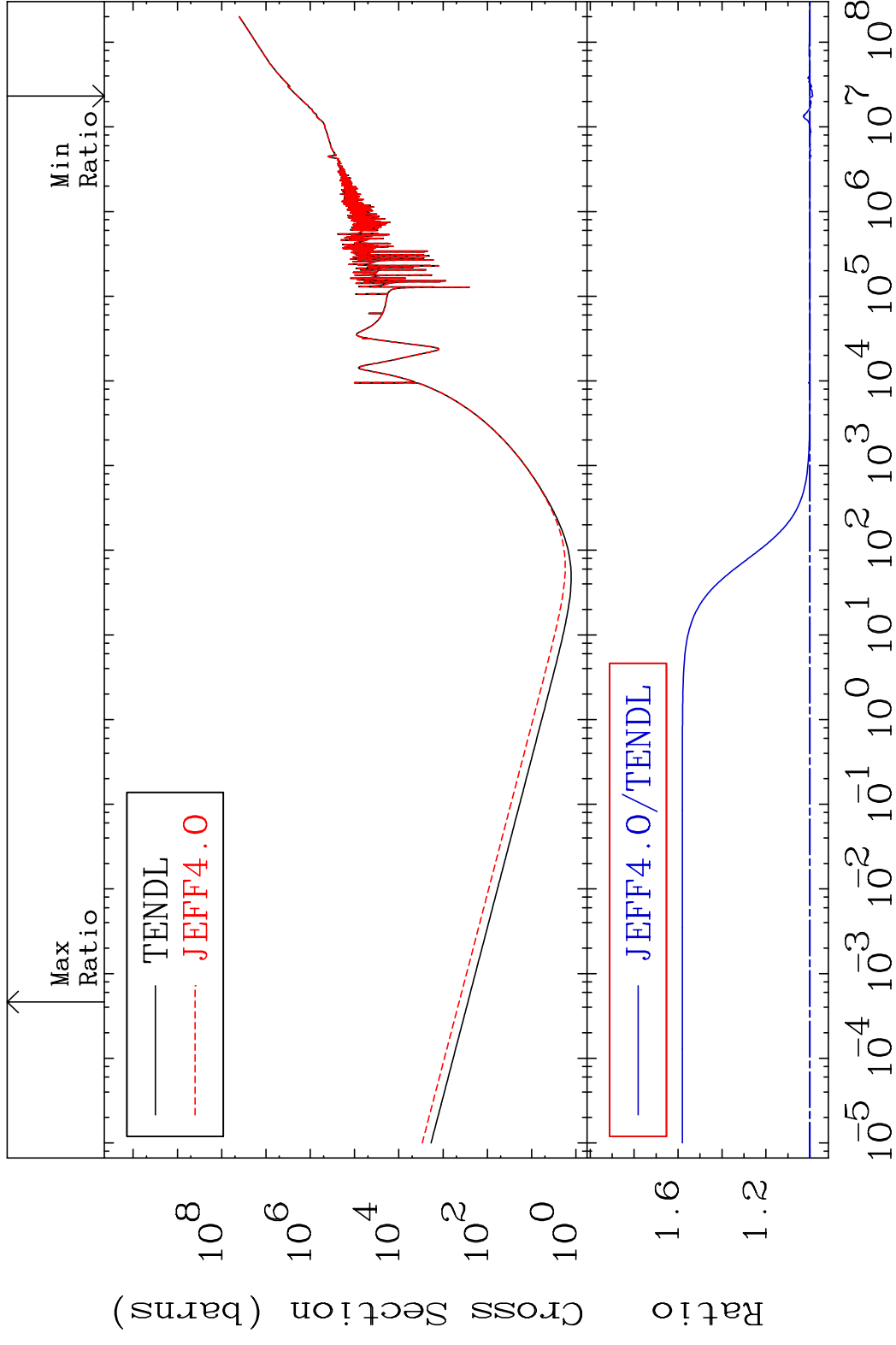


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Incident Energy (eV)

²⁸Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64
Cross Section -1.231 To 58.04 %

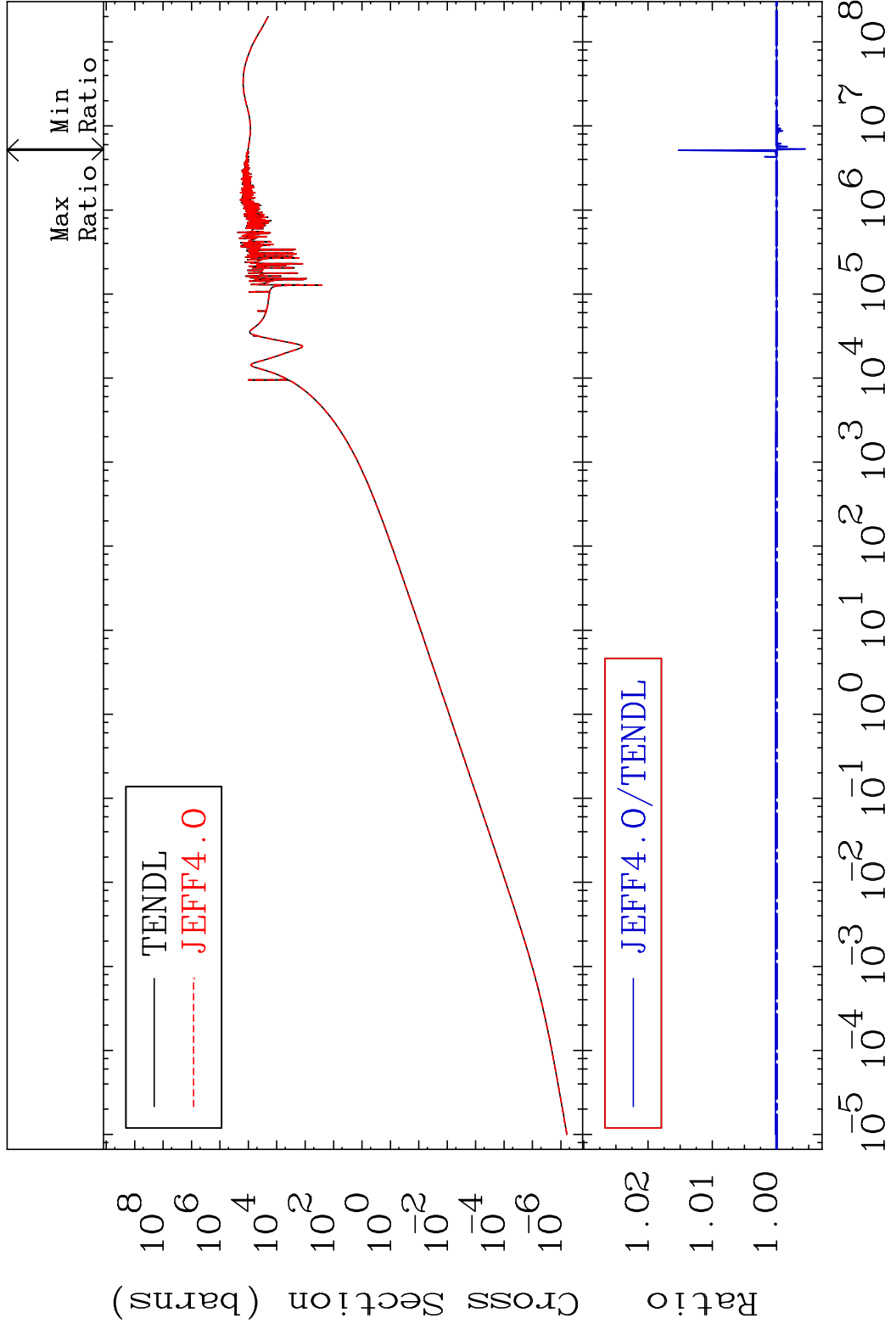


63 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic
Cross Section -0.446 To 1.529 %

28-Ni-64

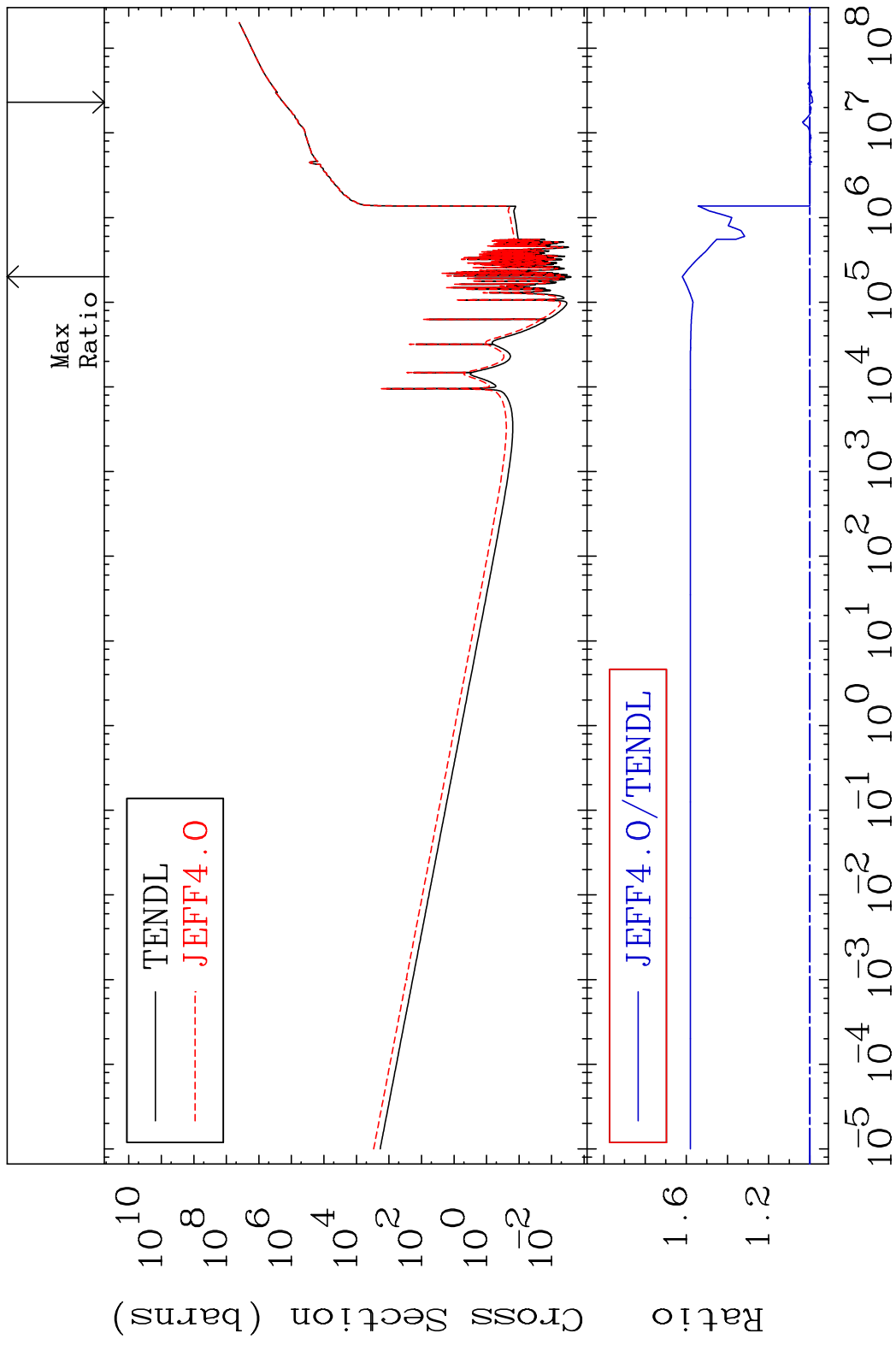


64

Incident Energy (eV)

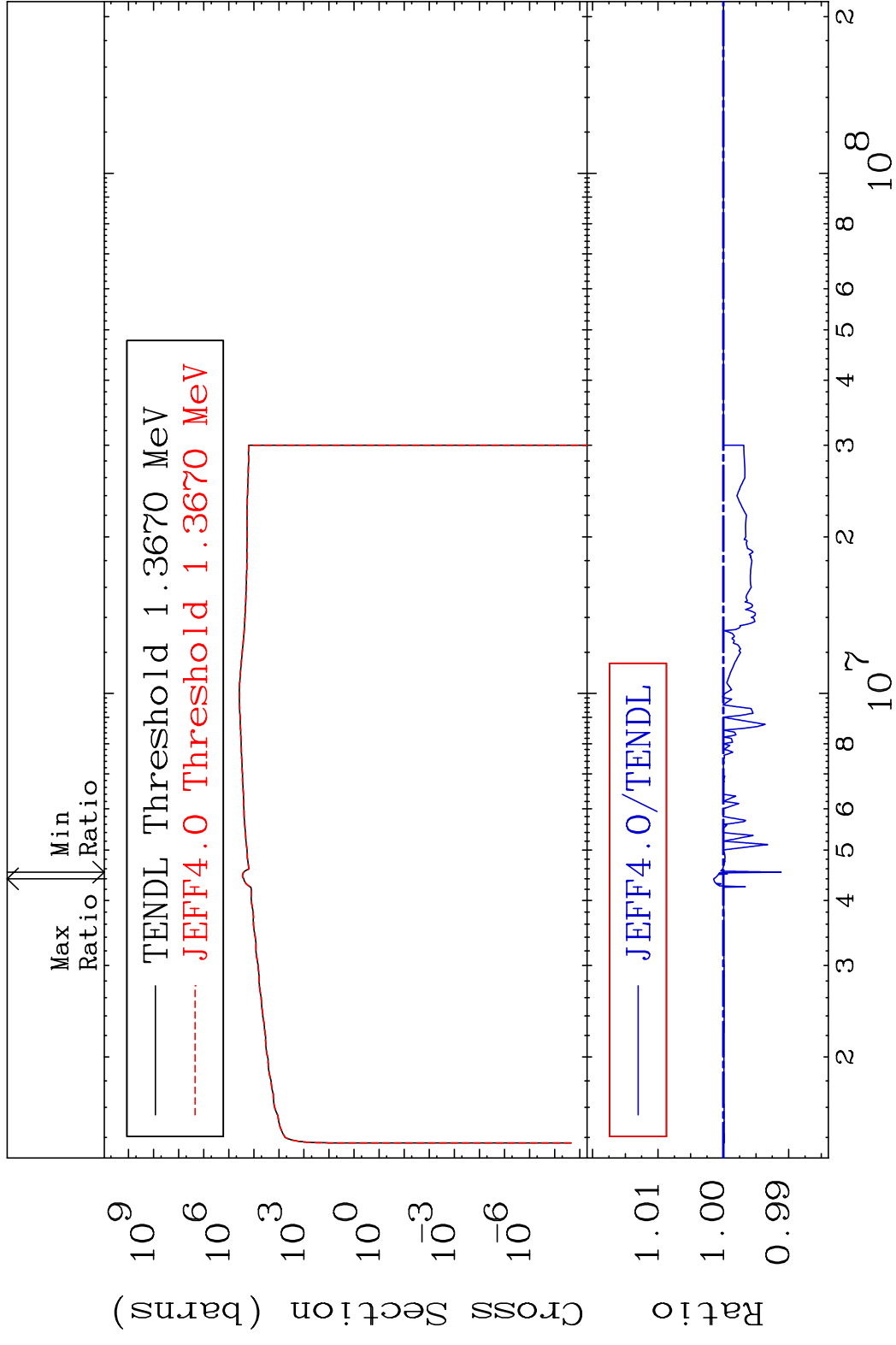
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -1.324 To 61.91 %

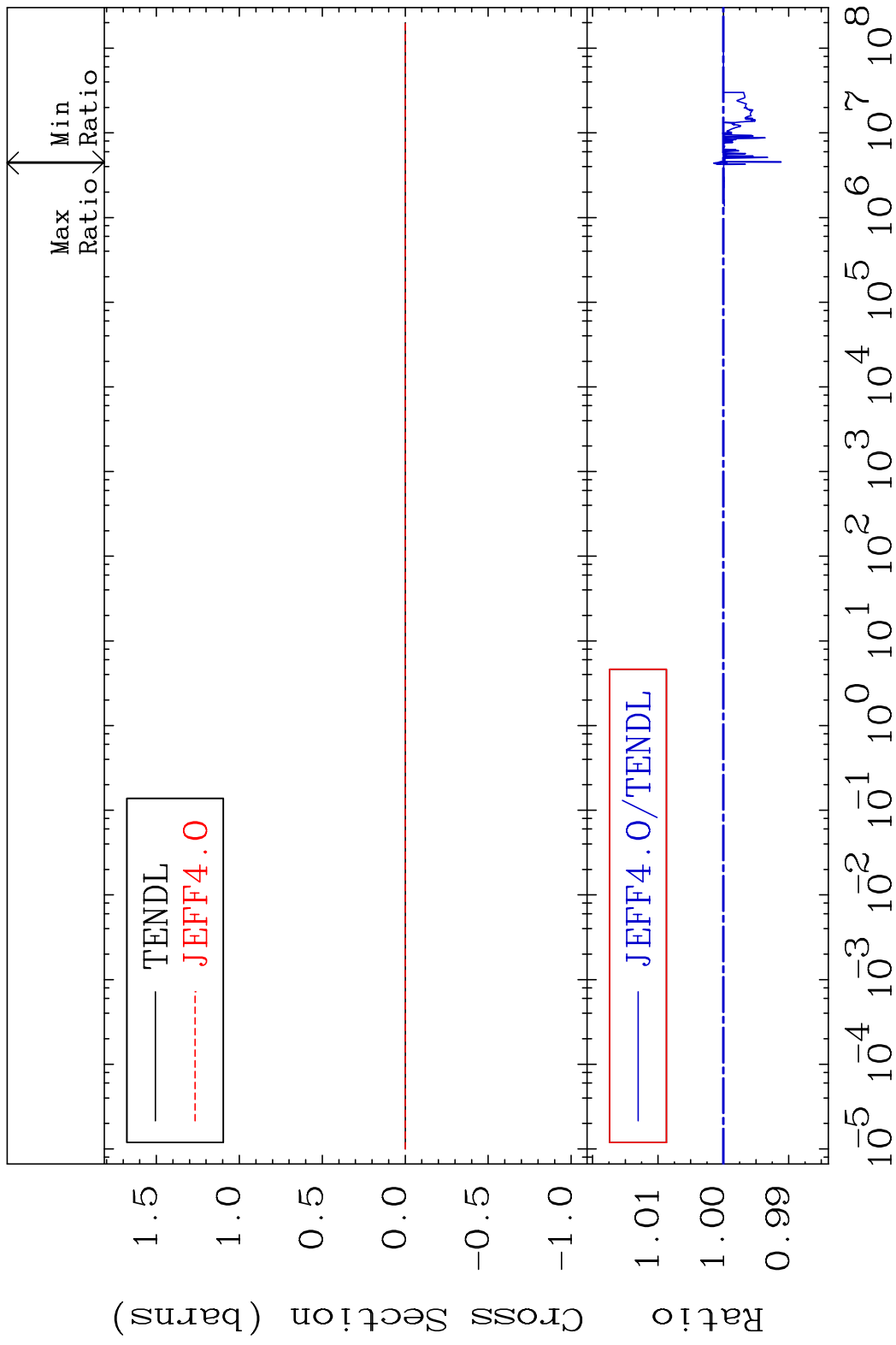


65 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma inelastic (mt51-91) 28-Ni-64
 Cross Section -0.886 To 0.148 %

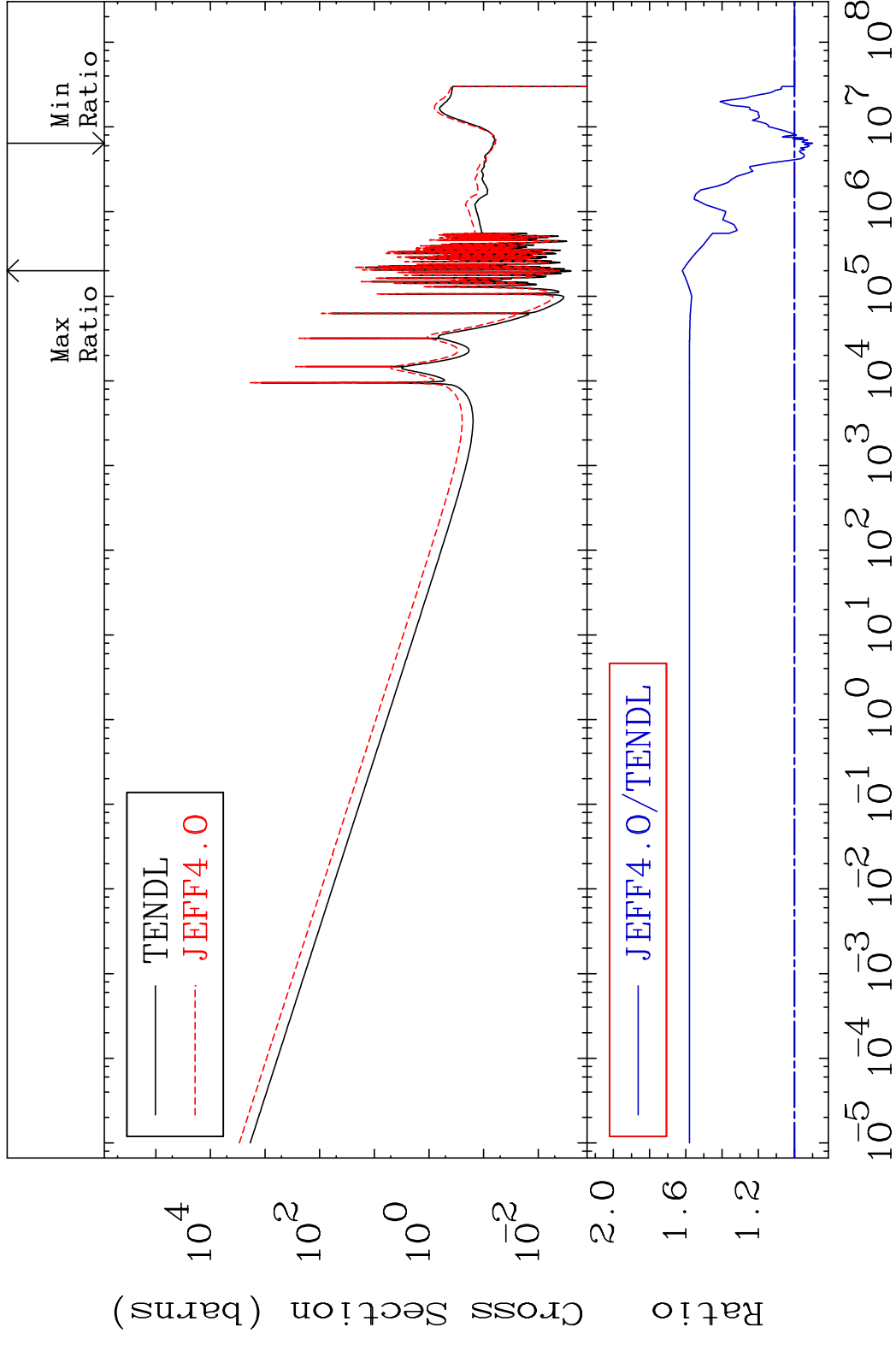


MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -0.886 To 0.148 %



MAT 2843

Kerma capture (mt102) 28-Ni-64
Cross Section -9.984 To 61.91 %

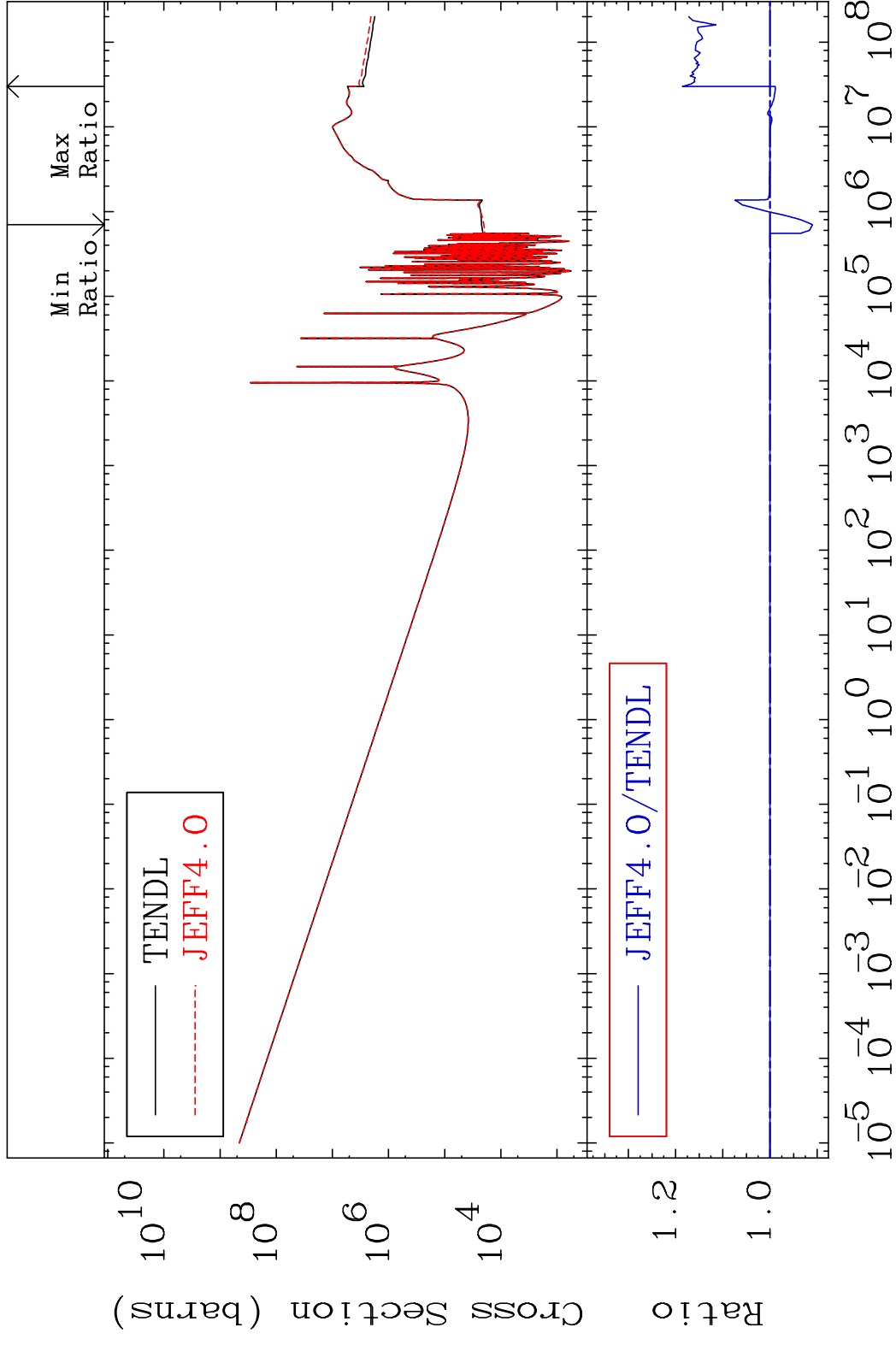


68

Incident Energy (eV)

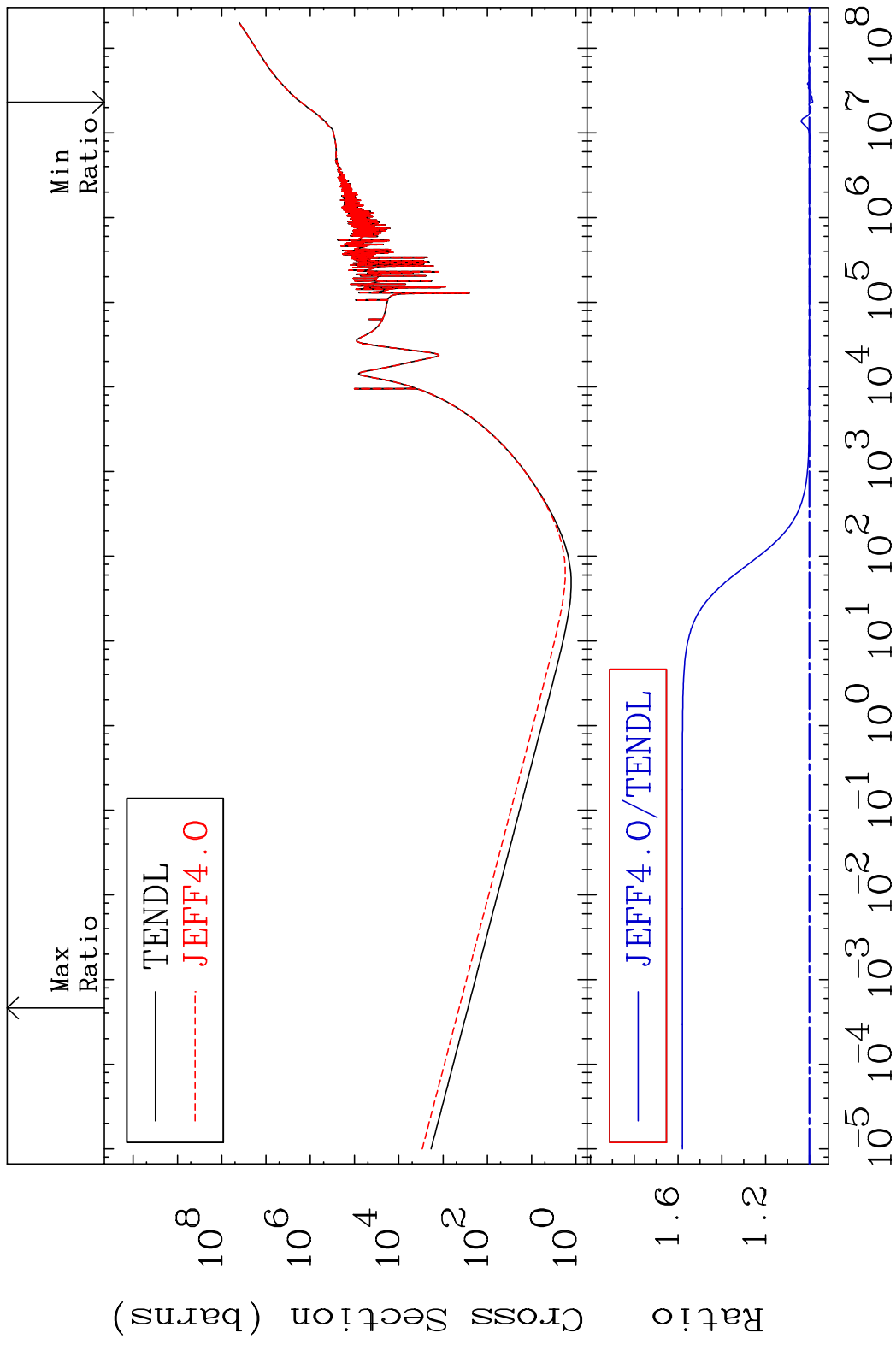
28-Ni-64

MAT 2843 Total photon (eV-barns) 28-Ni-64
 Cross Section -9.023 To 18.57 %



69 Incident Energy (eV) 28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
Cross Section -1.481 To 58.04 %

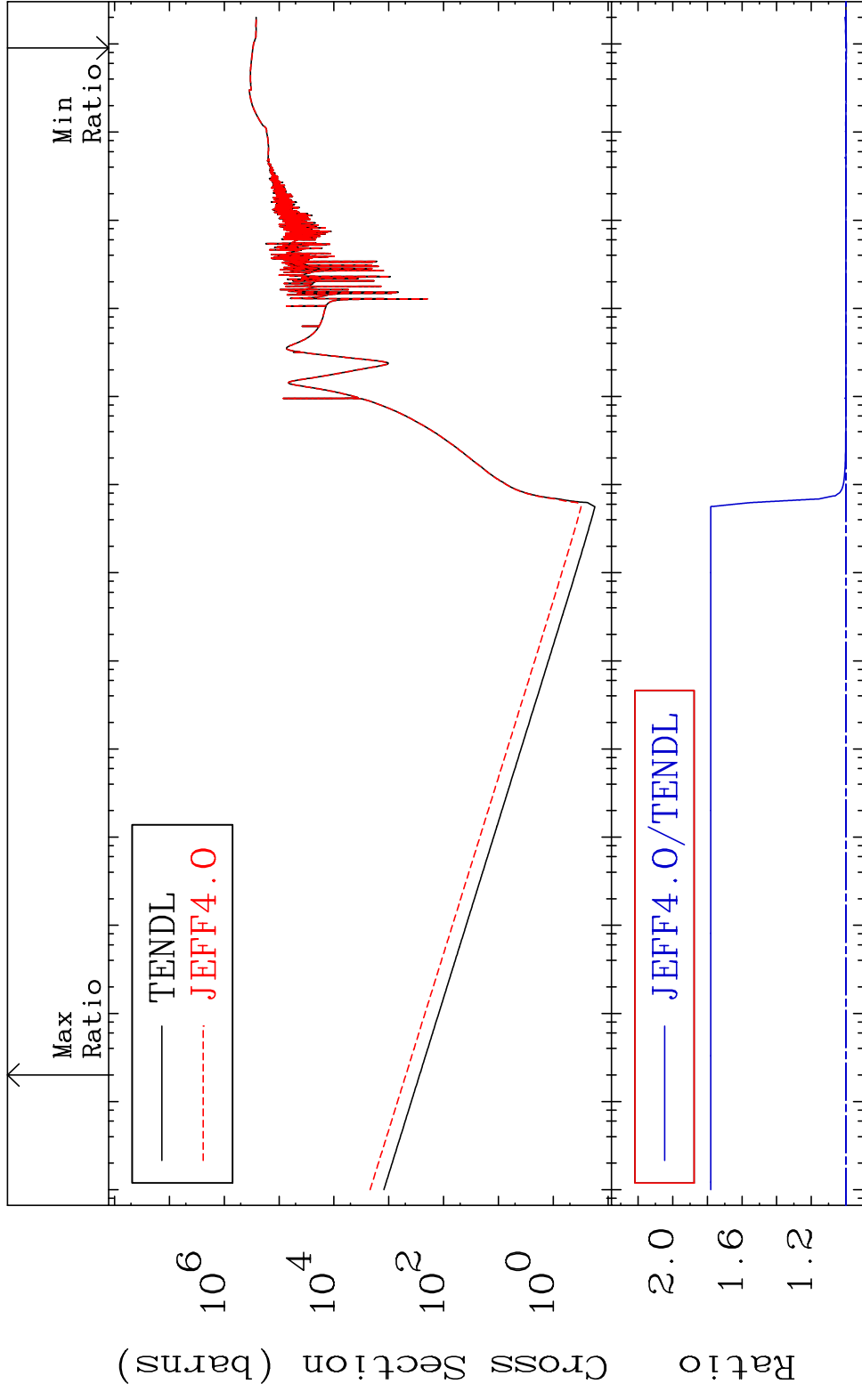


70

Incident Energy (eV)

28-Ni-64

MAT 2843 Dpa total (eV-barns) 28-Ni-64
 Cross Section -0.247 To 78.09 %



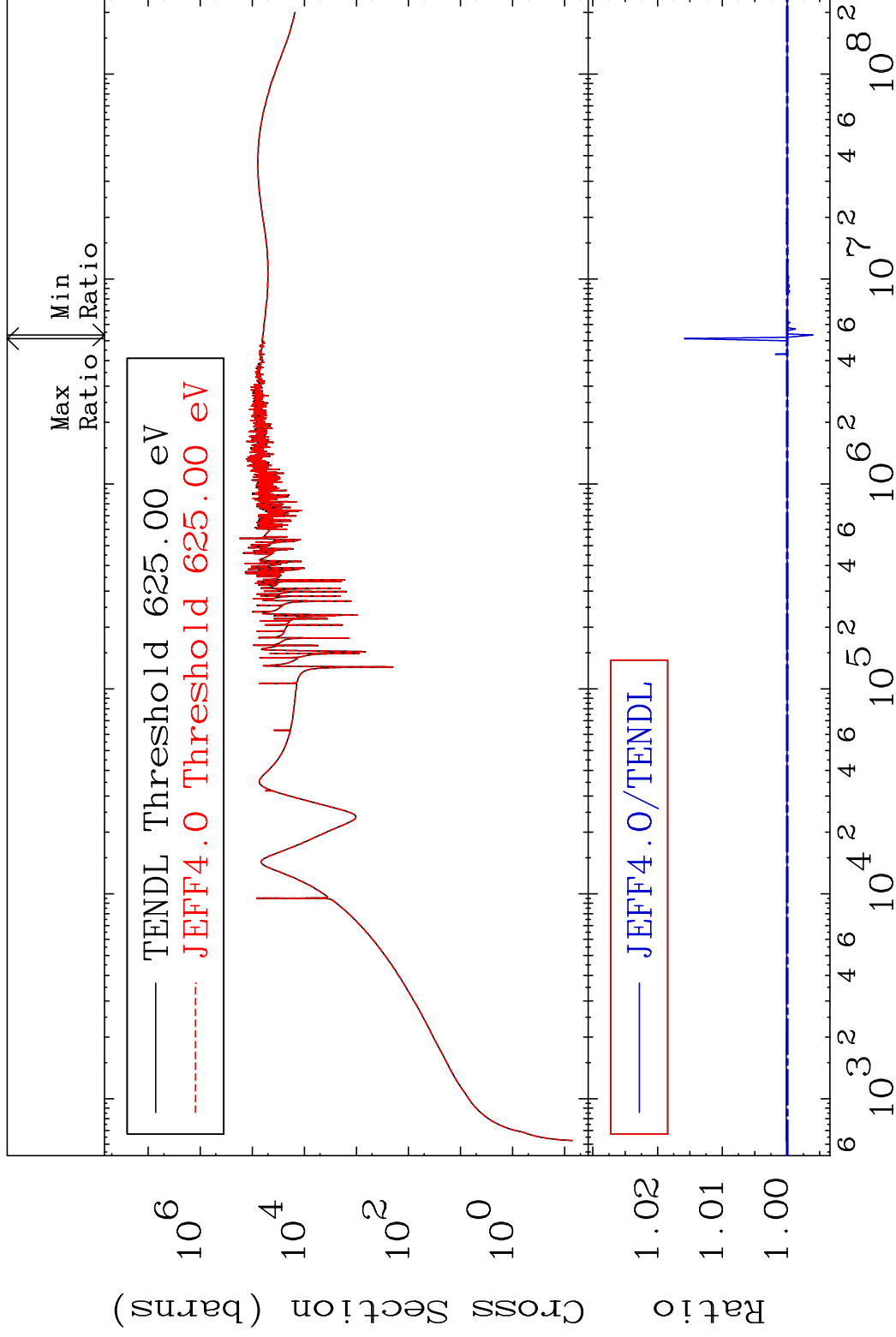
71 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

²⁸Ni-64

Cross Section -0.399 To 1.581 %



72

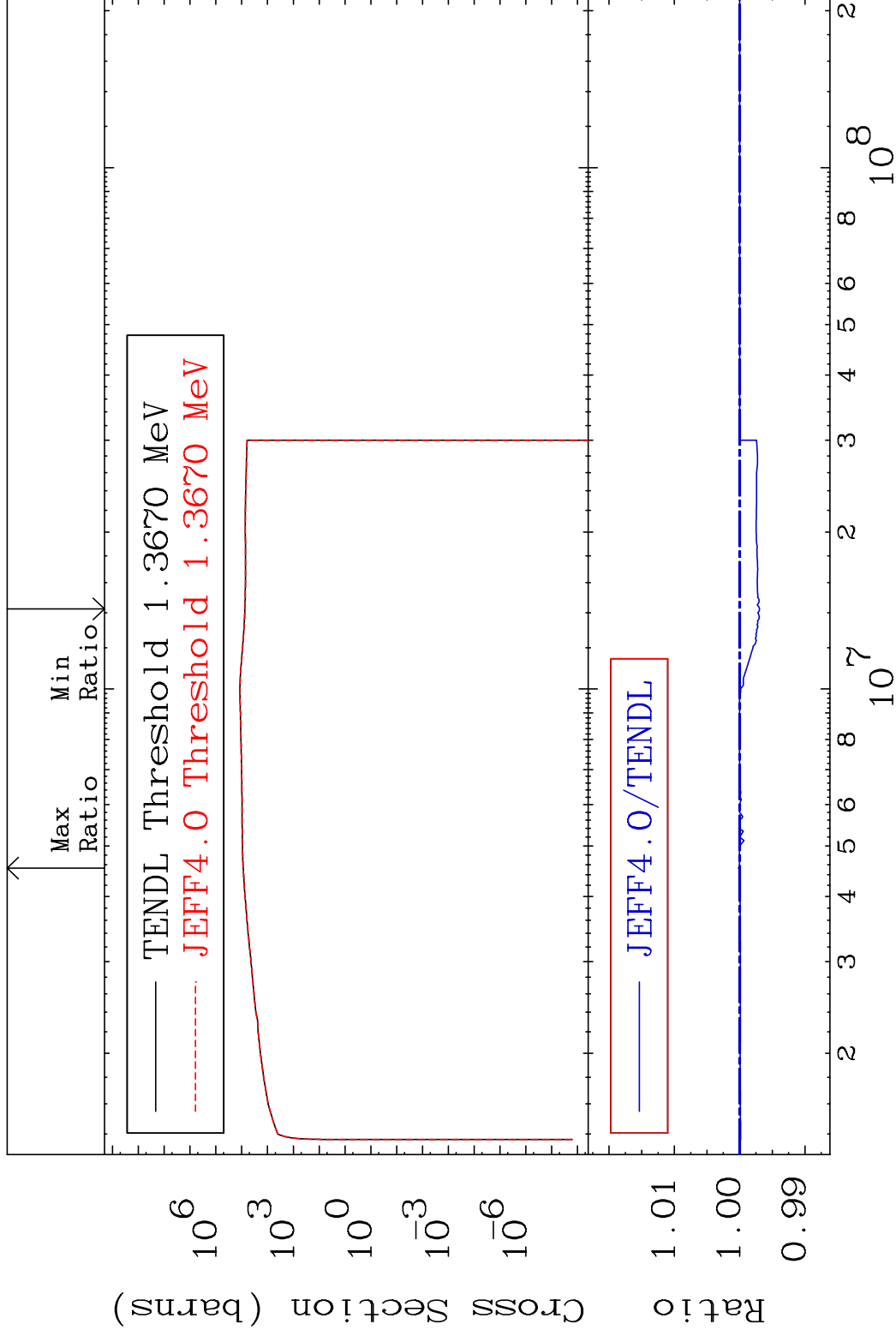
Incident Energy (eV)

²⁸Ni-64

MAT 2843

Dpa inelastic (mt51-91) 28-Ni-64

Cross Section -0.304 To 0.021 %

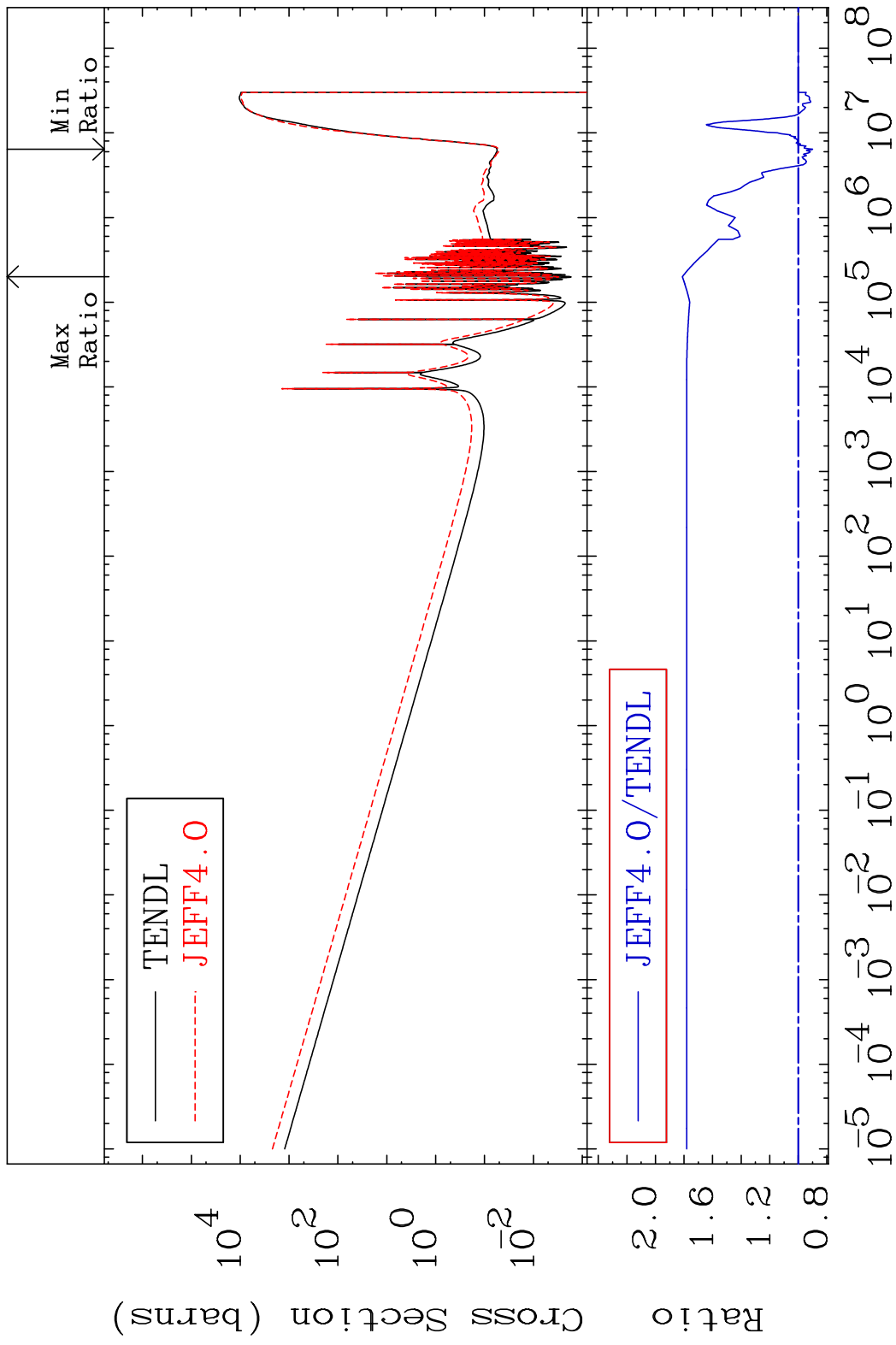


73

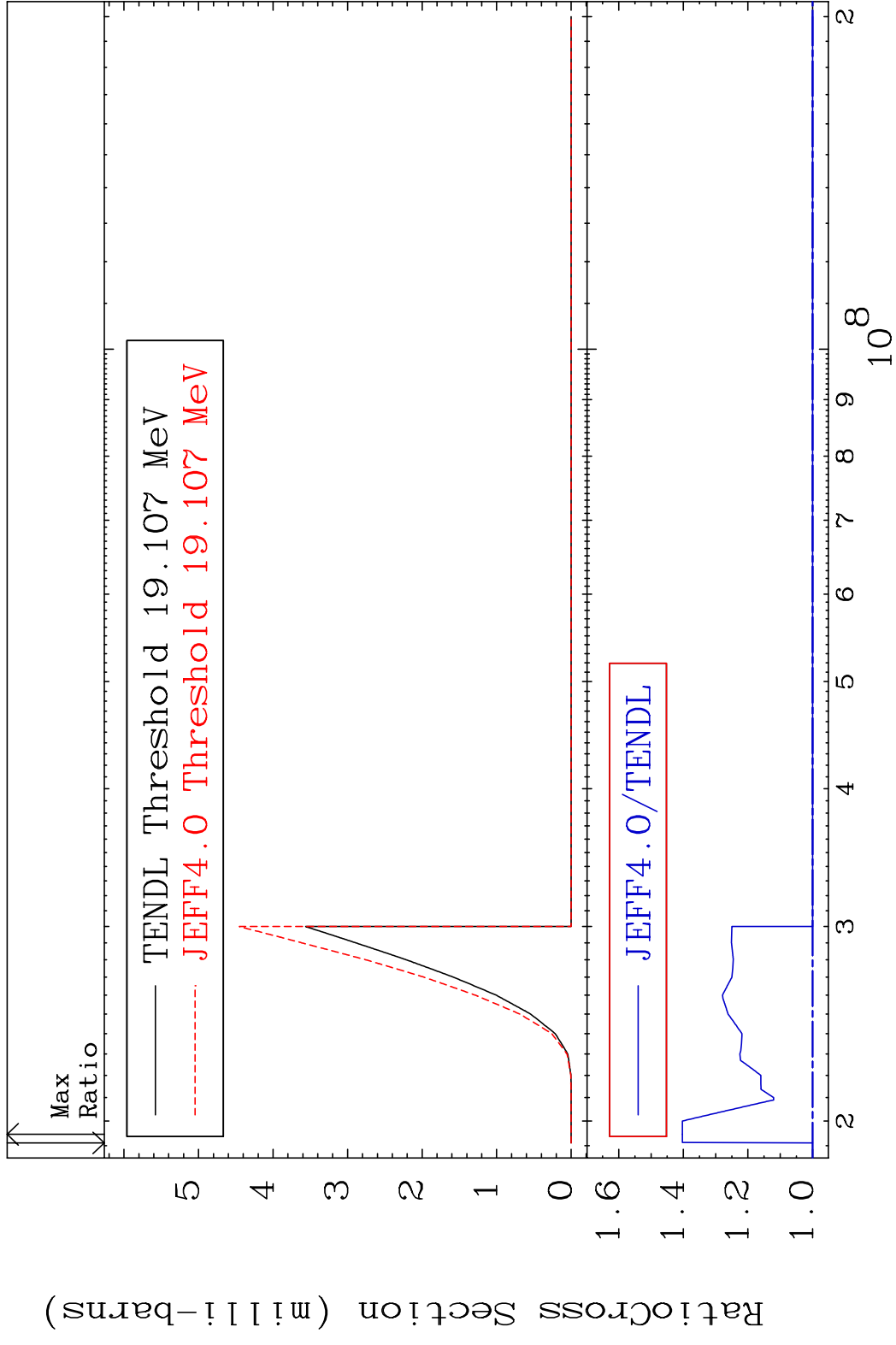
Incident Energy (eV)

28-Ni-64

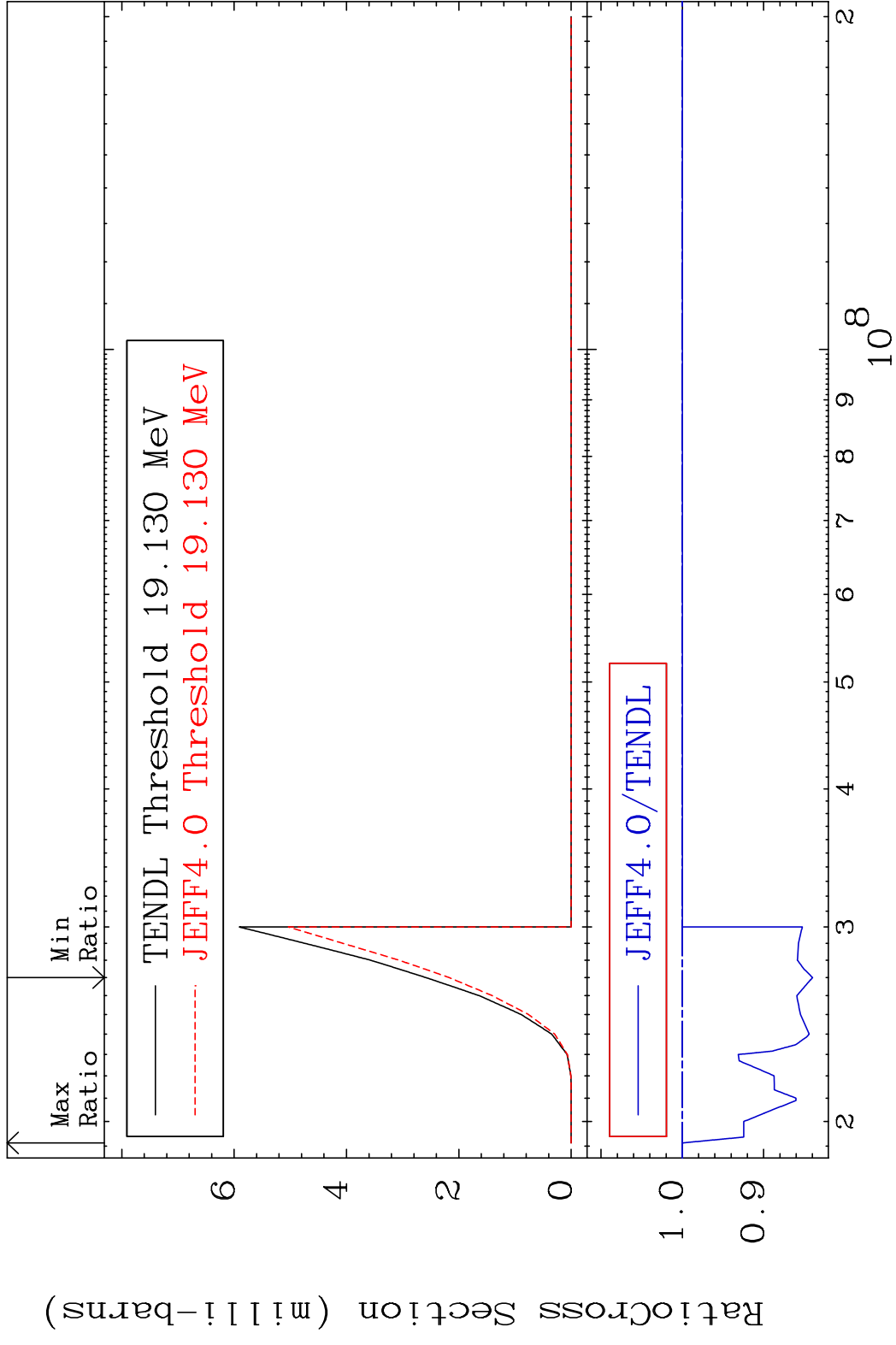
MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
 Cross Section -9.995 To 81.17 %



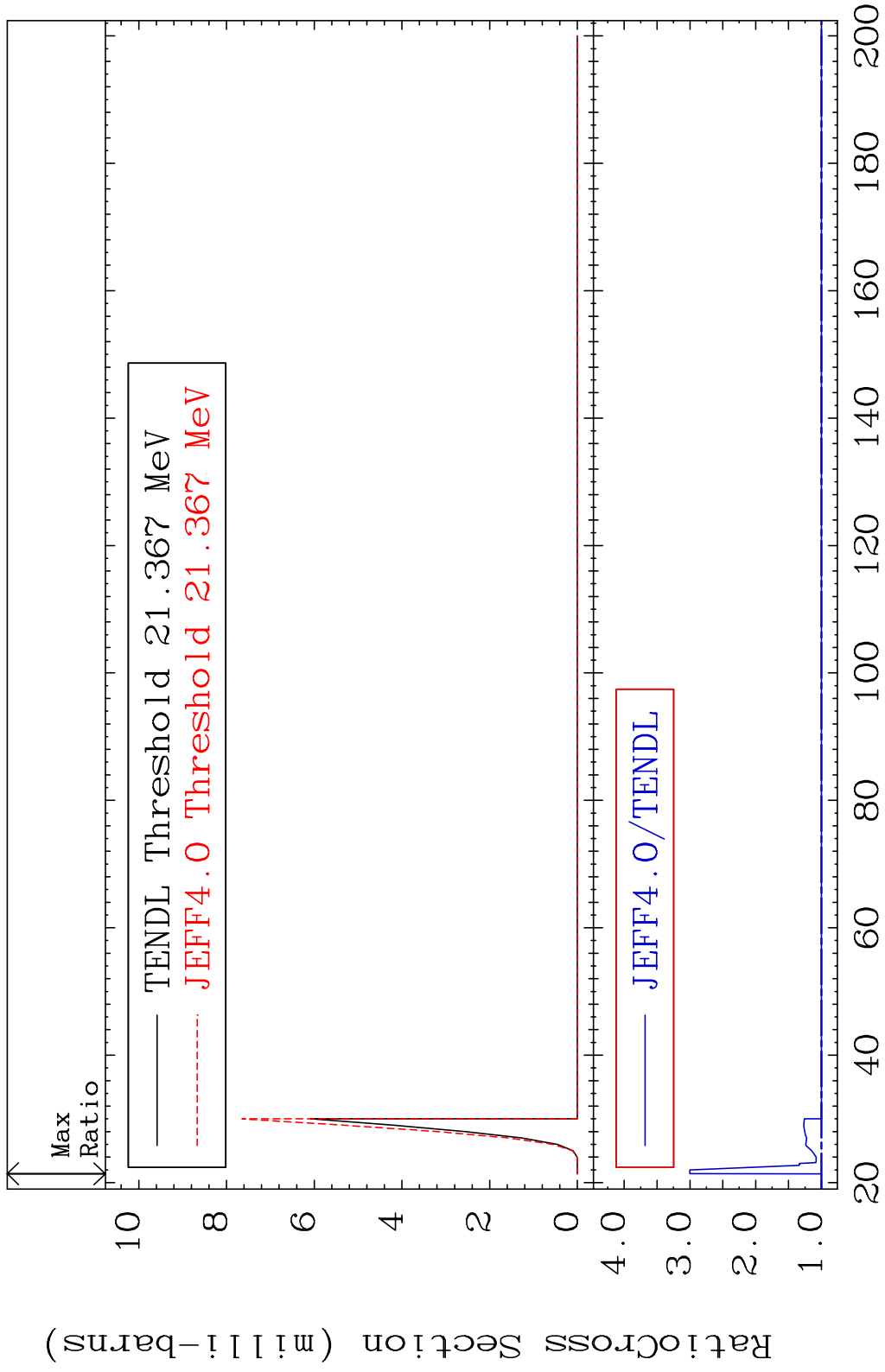
MAT 2843 (n, n') d:27-Co-62g 28-Ni-64
 Radionuclide Production Cross Section 40.31 %



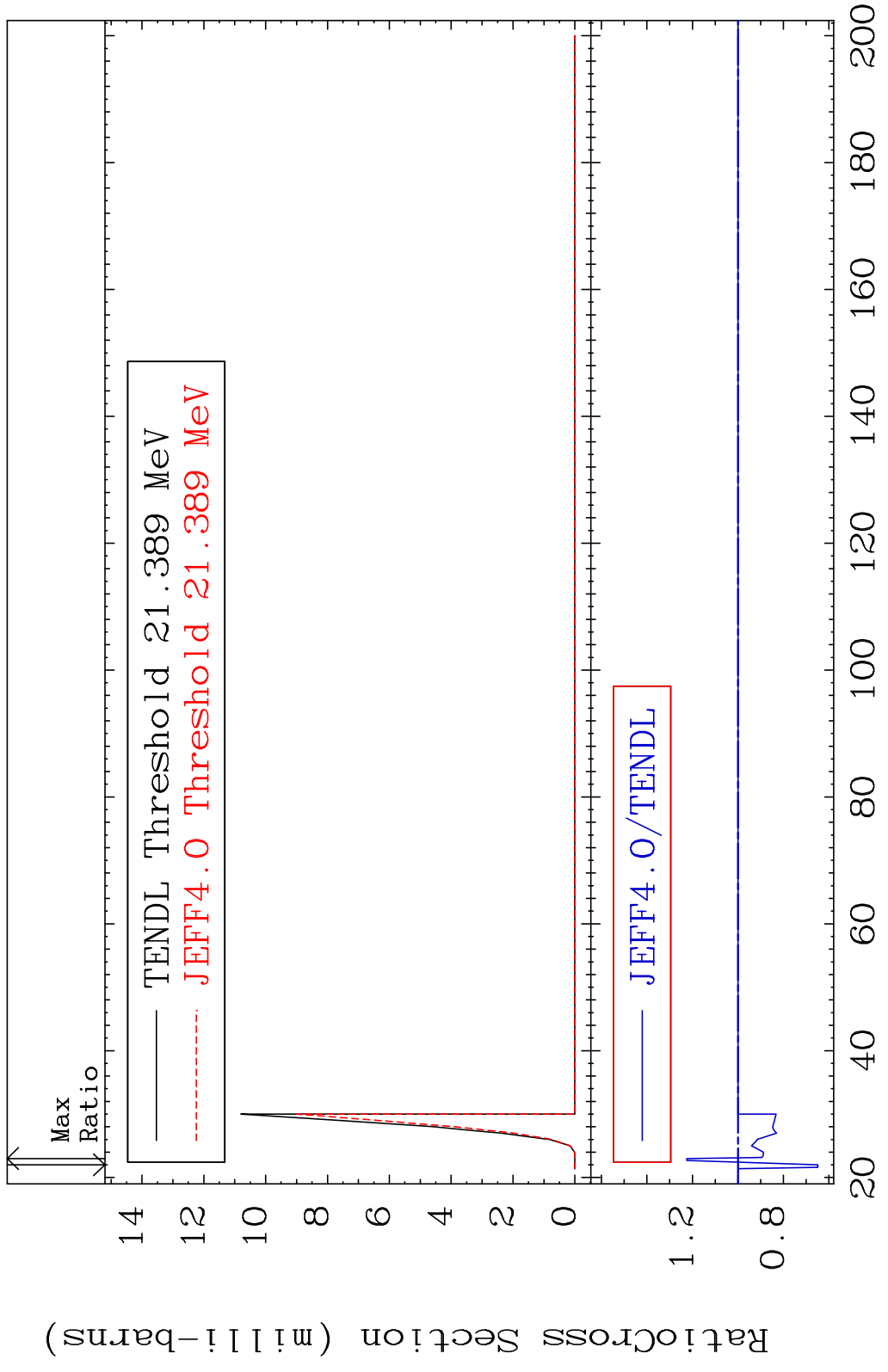
MAT 2843 (n, n') d:27-Co-62m1 28-Ni-64
 Radionuclide Production Cross Section 18e-02 dno 0.000 %



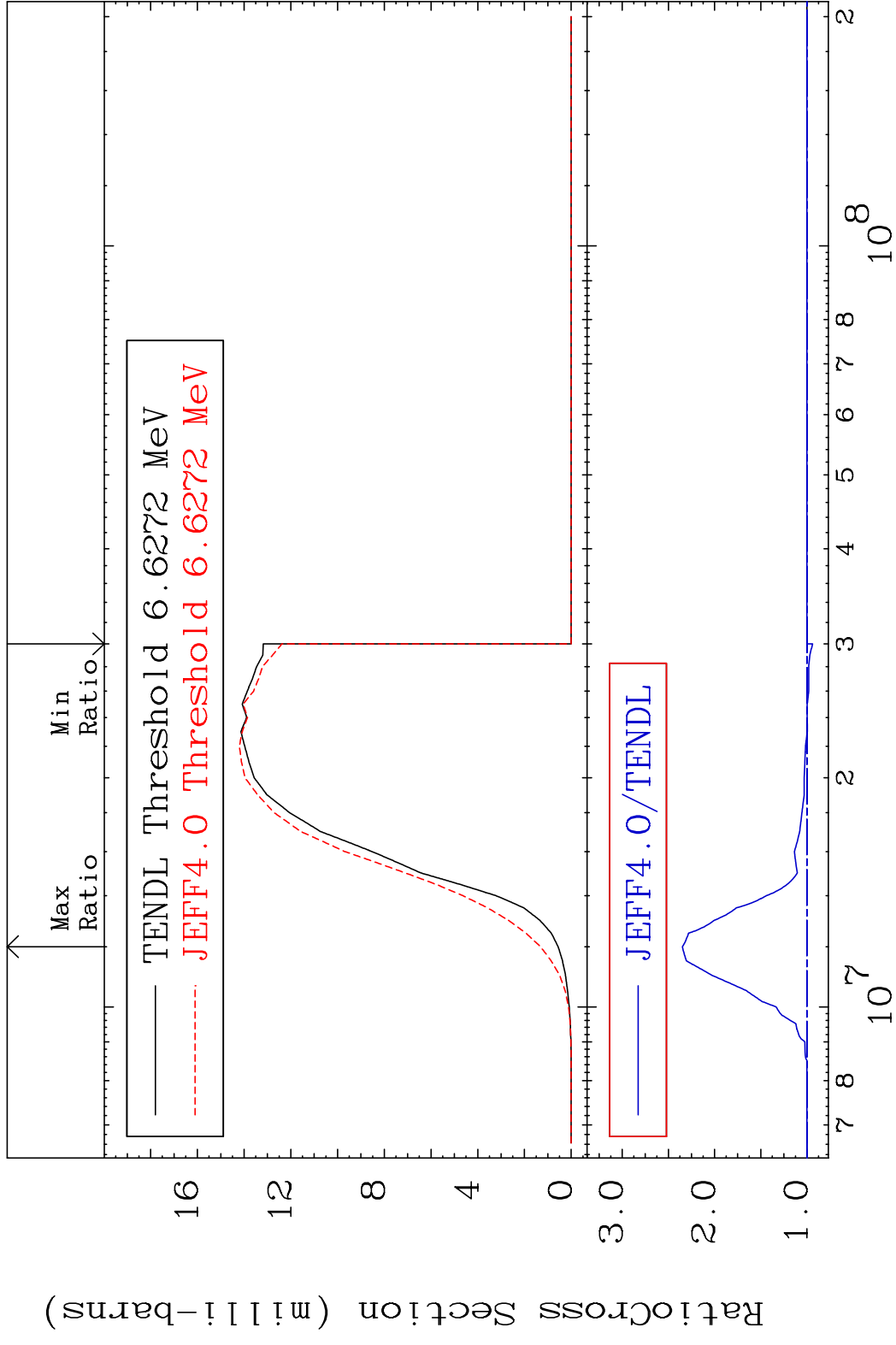
MAT 2843 (n,2n) p:27-Co-62g 28-Ni-64
 Radionuclide Production Cross Section 200.2 %



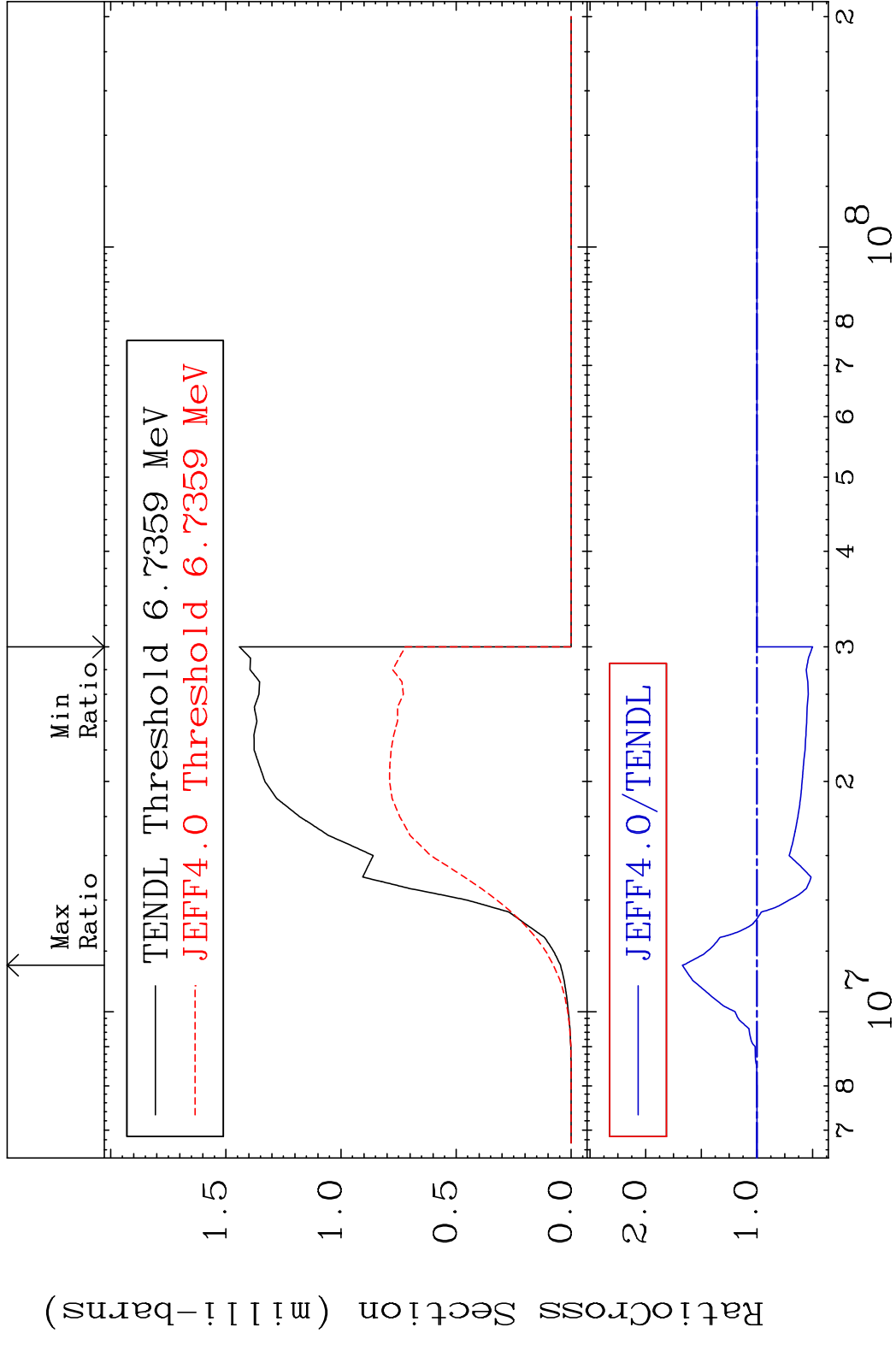
MAT 2843 (n,2n) p:27-Co-62m1 28-Ni-64
 Radionuclide Production Cross Section 35091 d10 22.49 %



MAT 2843 (n,p):27-Co-64g 28-Ni-64
 Radionuclide Production Cross Section 134.9 %

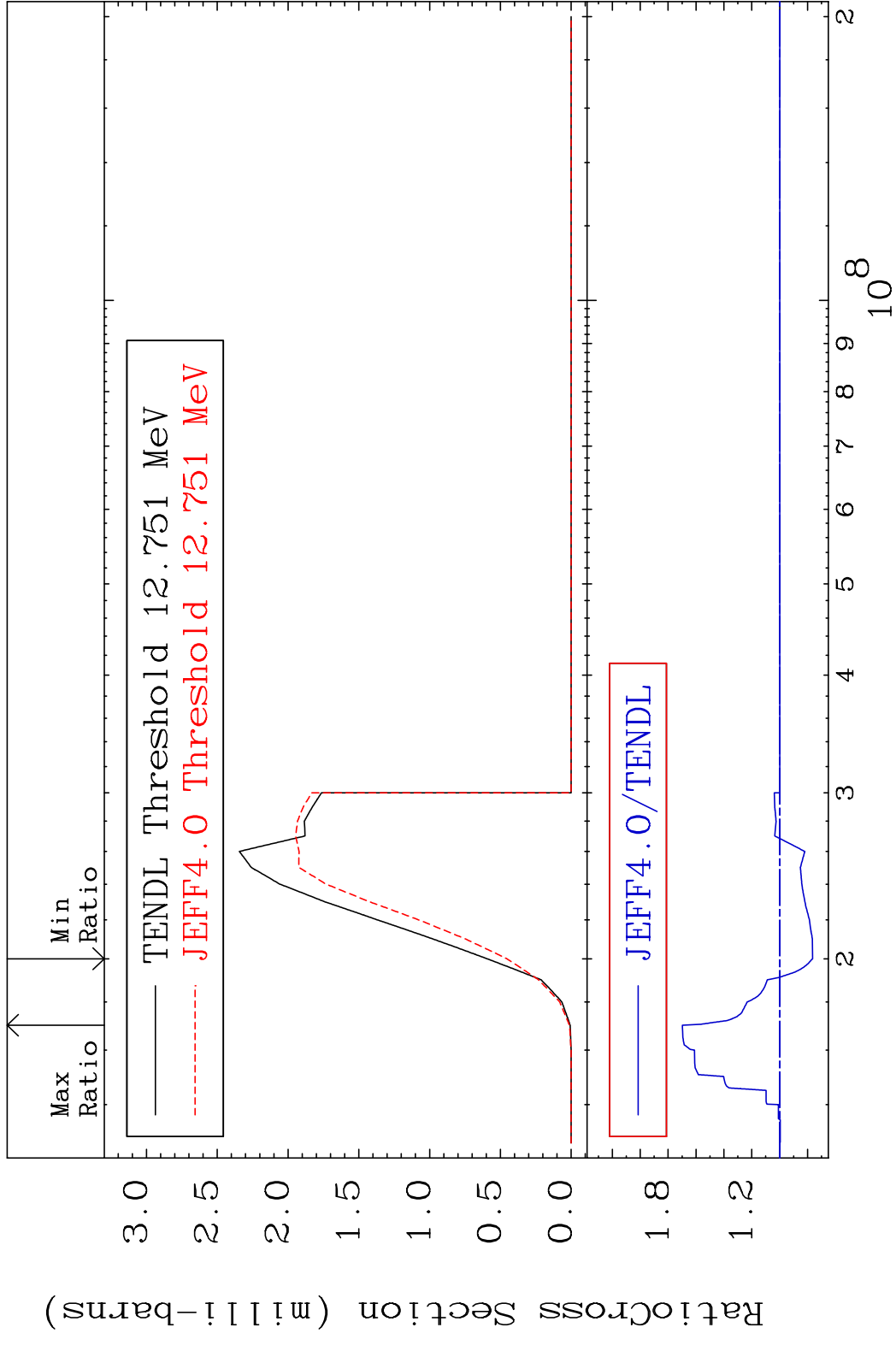


MAT 2843 (n,p):27-Co-64m1 28-Ni-64
 Radionuclide Production Cross Section 67.04 %



80 Incident Energy (eV) 28-Ni-64

MAT 2843 (n, t): 27-Co-62g 28-Ni-64
 Radionuclide Production Cross Section 69.80 %



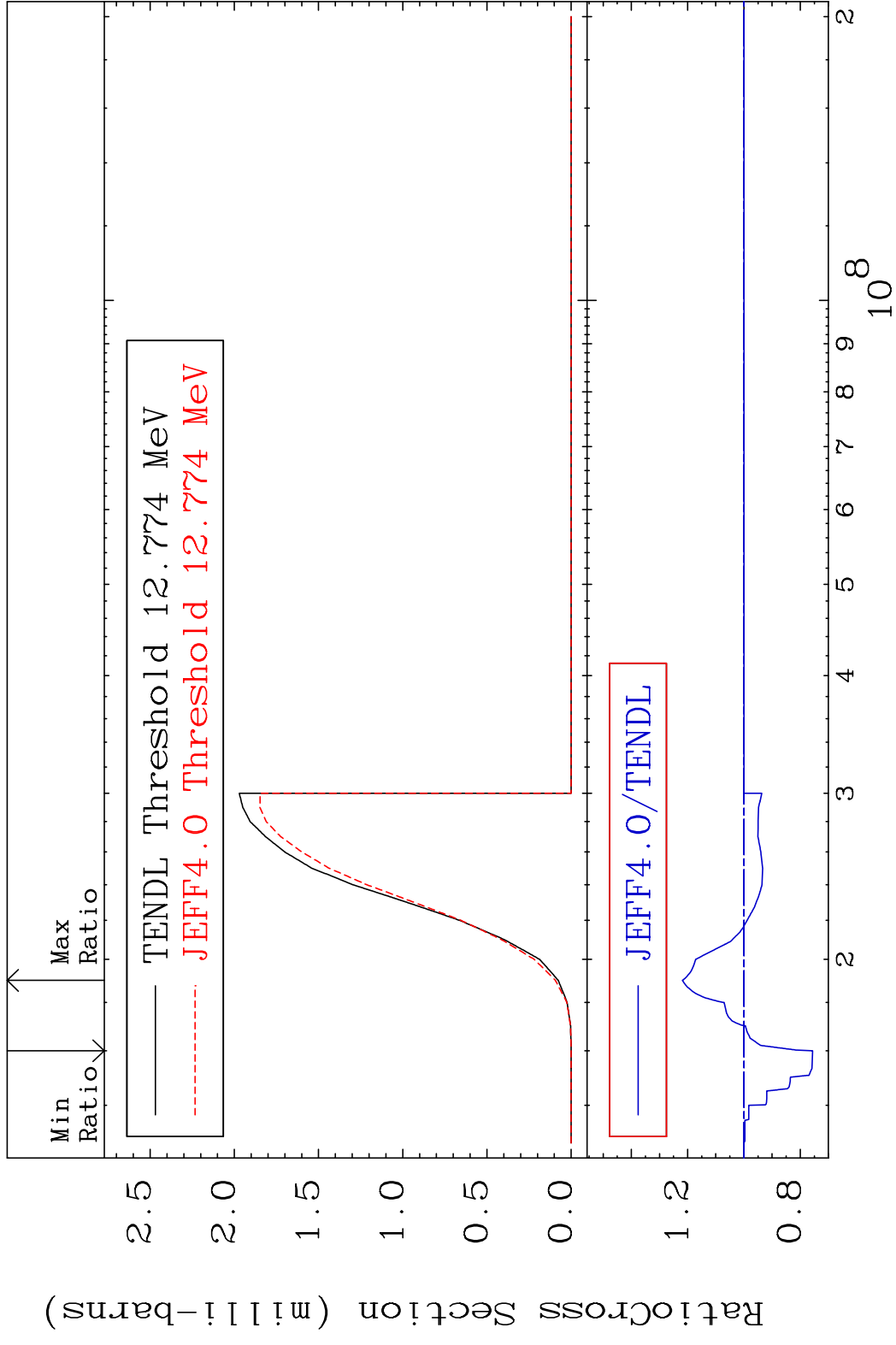
MAT 2843

(n, t): 27-Co-62m1

28-Ni-64

Radionuclide Production Cross Section

21.87 %

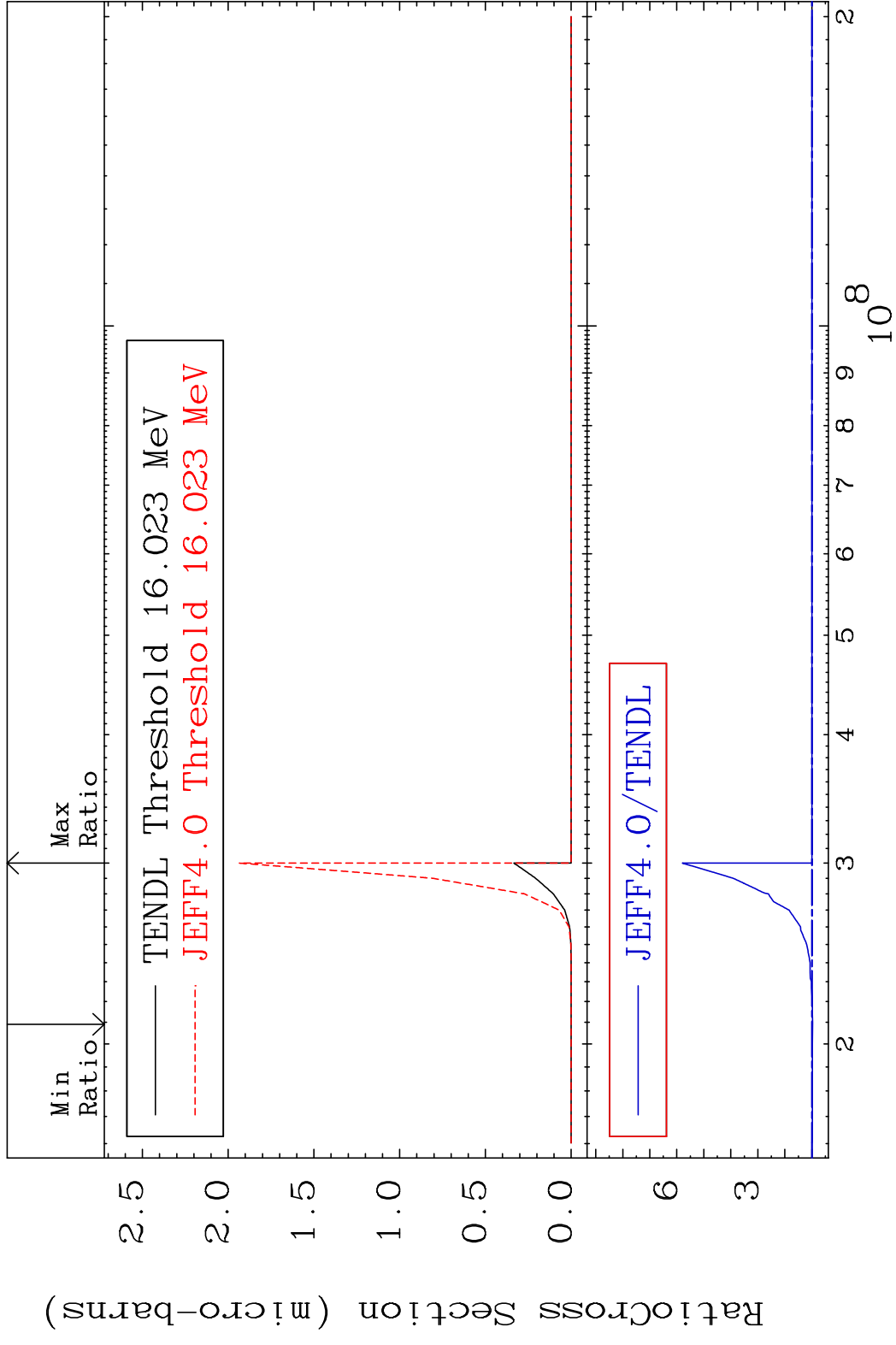


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Incident Energy (eV)

28-Ni-64

MAT 2843 (n, p) α :25-Mn-60g 28-Ni-64
 Radionuclide Production Cross Section 479.4 %



MAT 2843 (n,p) α :25-Mn-60m1 28-Ni-64
 Radionuclide Production Cross Section 15070 295.5 %

