

Program Complot
(Version 2021-1)

by

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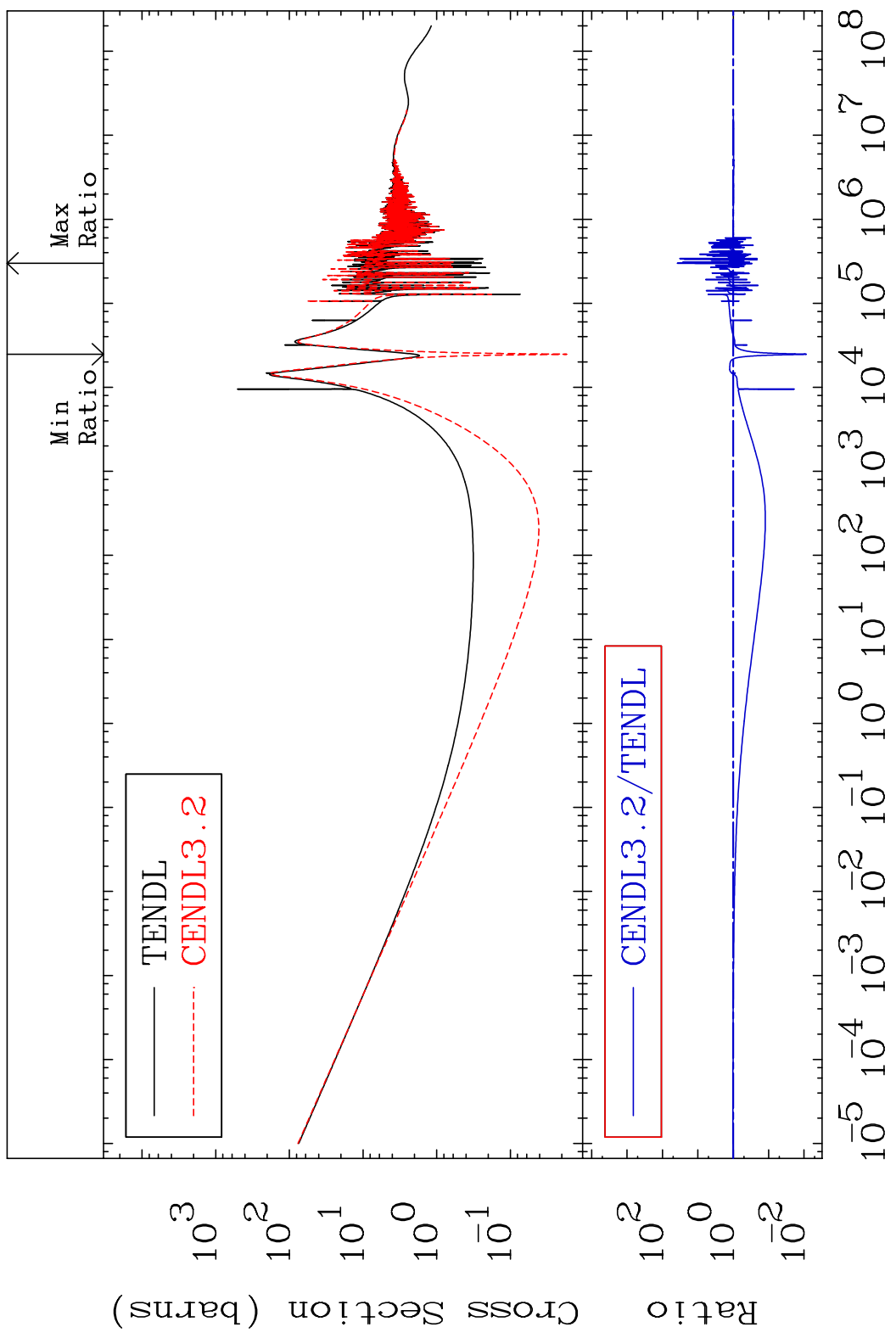
Press Mouse Button to Start

MAT 2843

Total

28-Ni-64

Cross Section -99.14 To 3733. %



1

Incident Energy (eV)

28-Ni-64

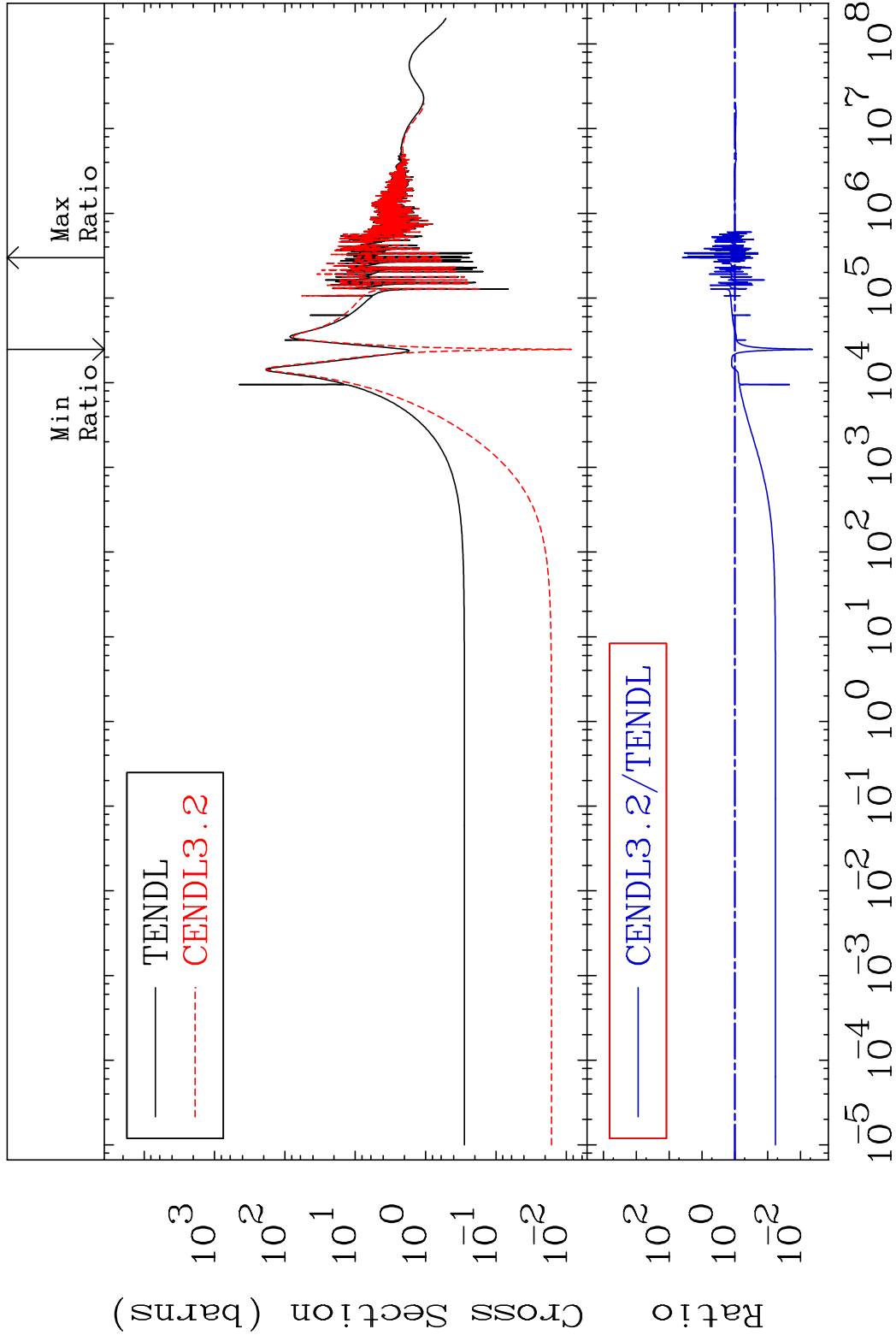
MAT 2843

Elastic

28-Ni-64

Cross Section

-99.57 To 3860. %

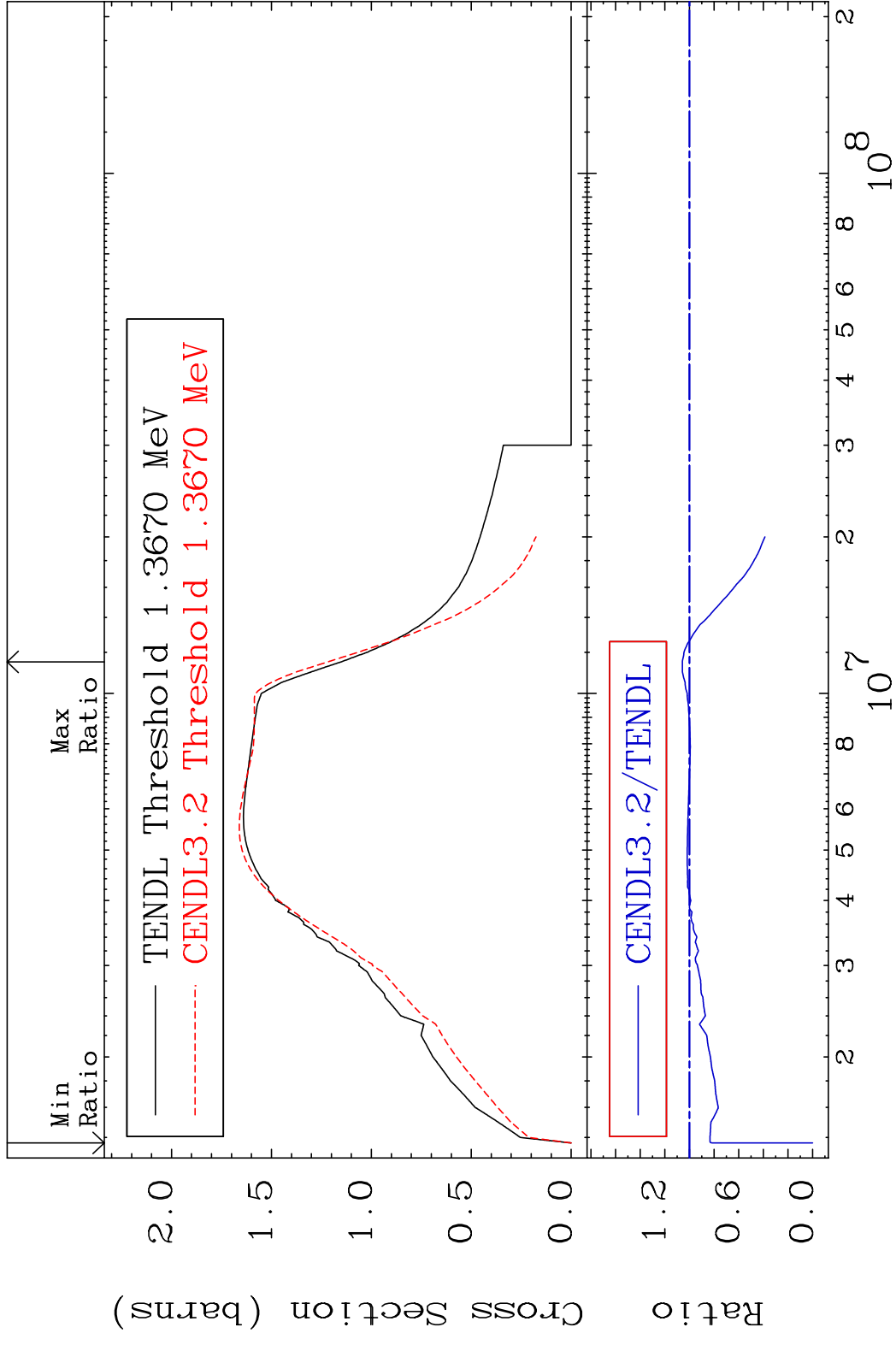


2

Incident Energy (eV)

28-Ni-64

MAT 2843 Inelastic 28-Ni-64
 Cross Section -100.0 To 5.788 %

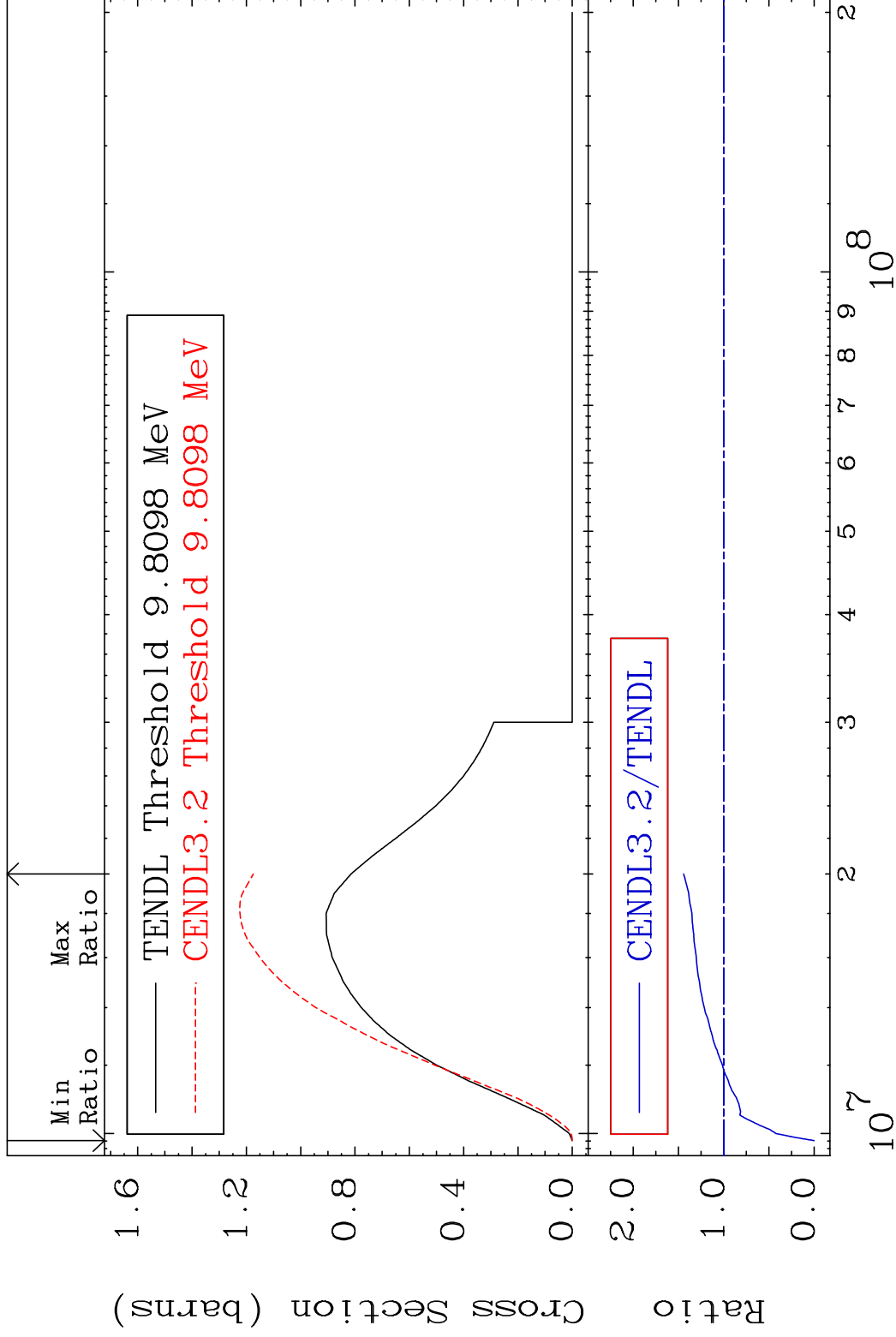


MAT 2843

(n,2n)

²⁸Ni-64

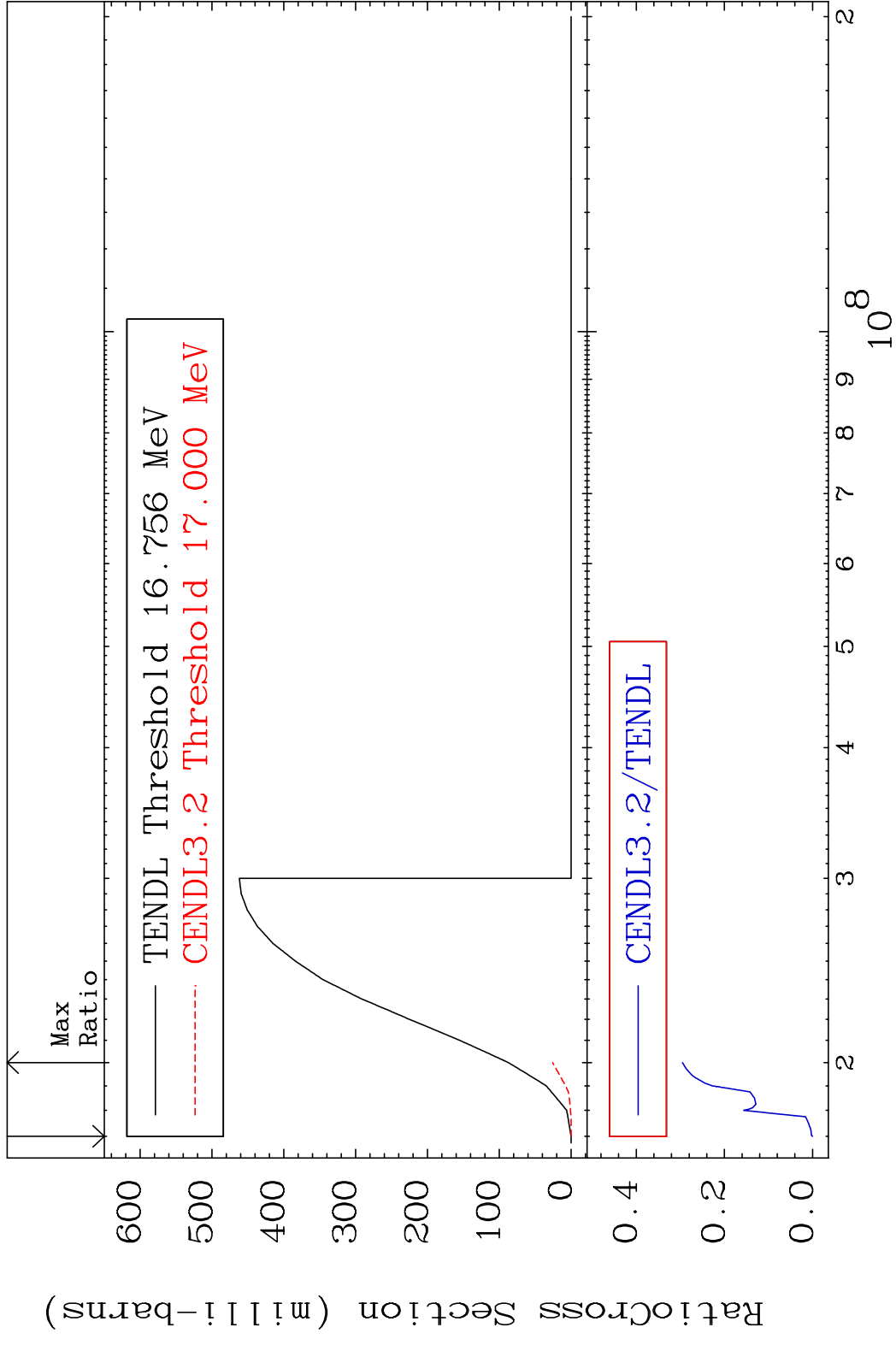
Cross Section -100.0 To 44.19 %



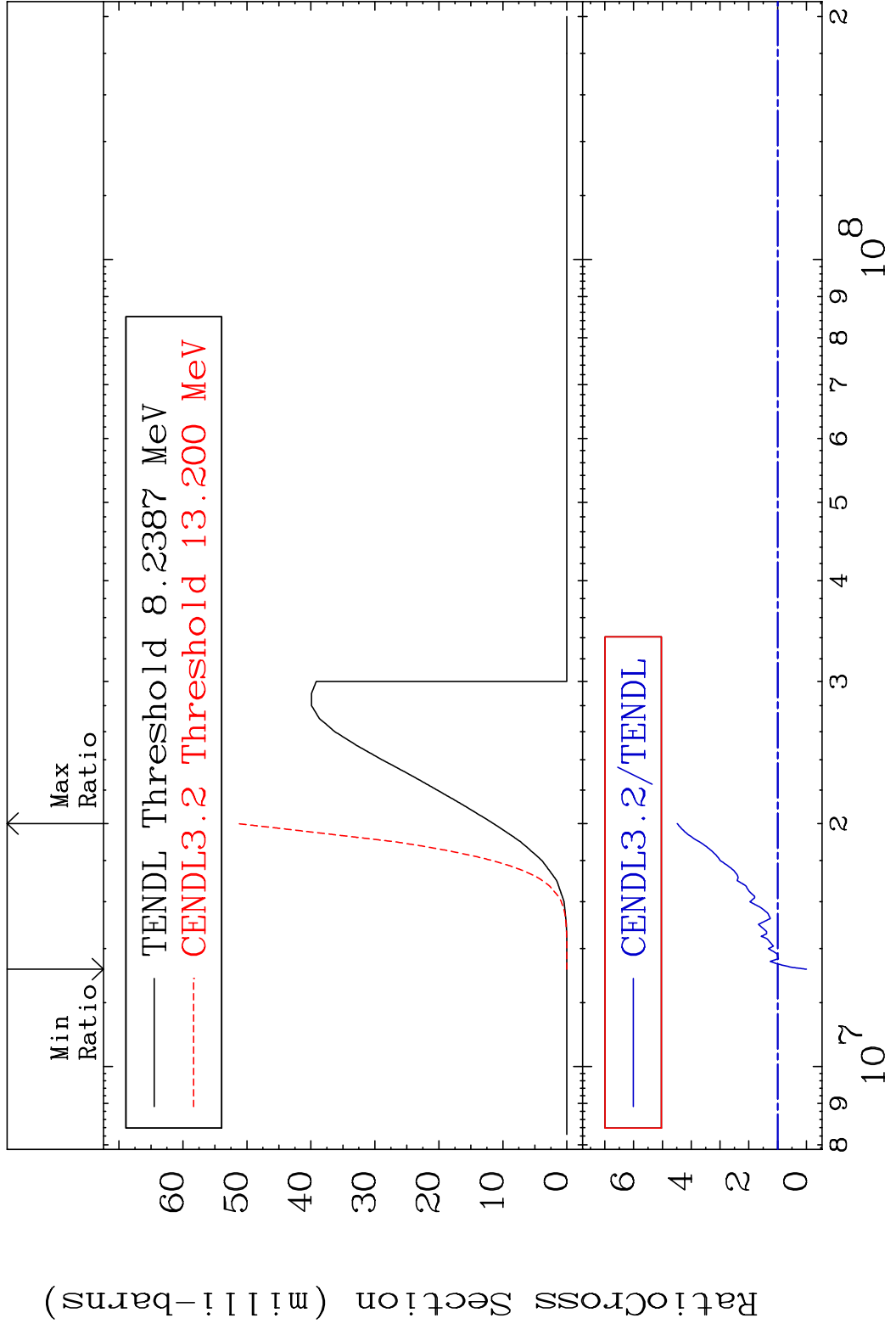
²⁸Ni-64

Incident Energy (eV)

MAT 2843 (n,3n) 28-Ni-64
 Cross Section -100.0 To -70.46%



MAT 2843 (n, n') α 28-Ni-64
 Cross Section -100.0 To 348.8 %

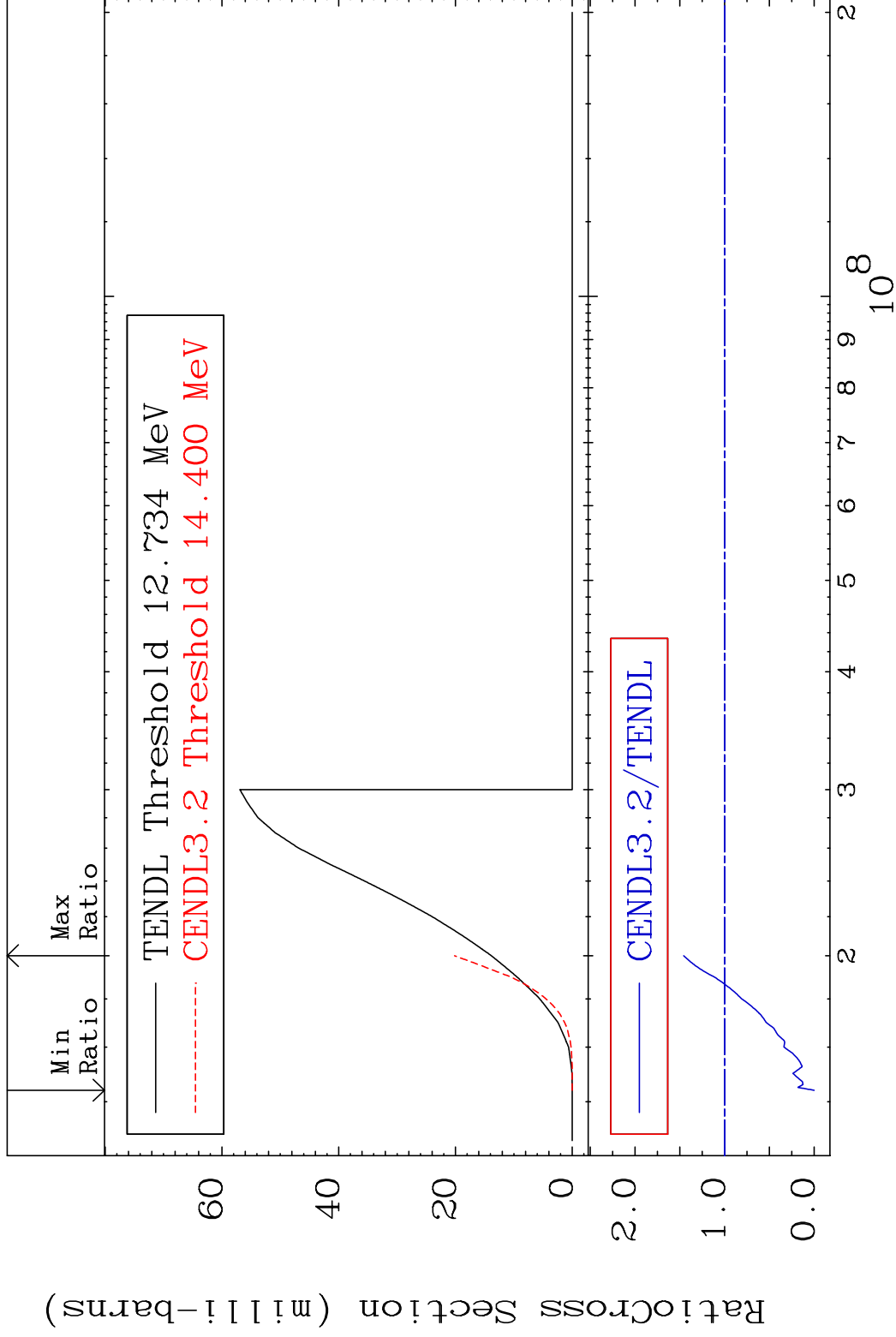


6 8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 28-Ni-64

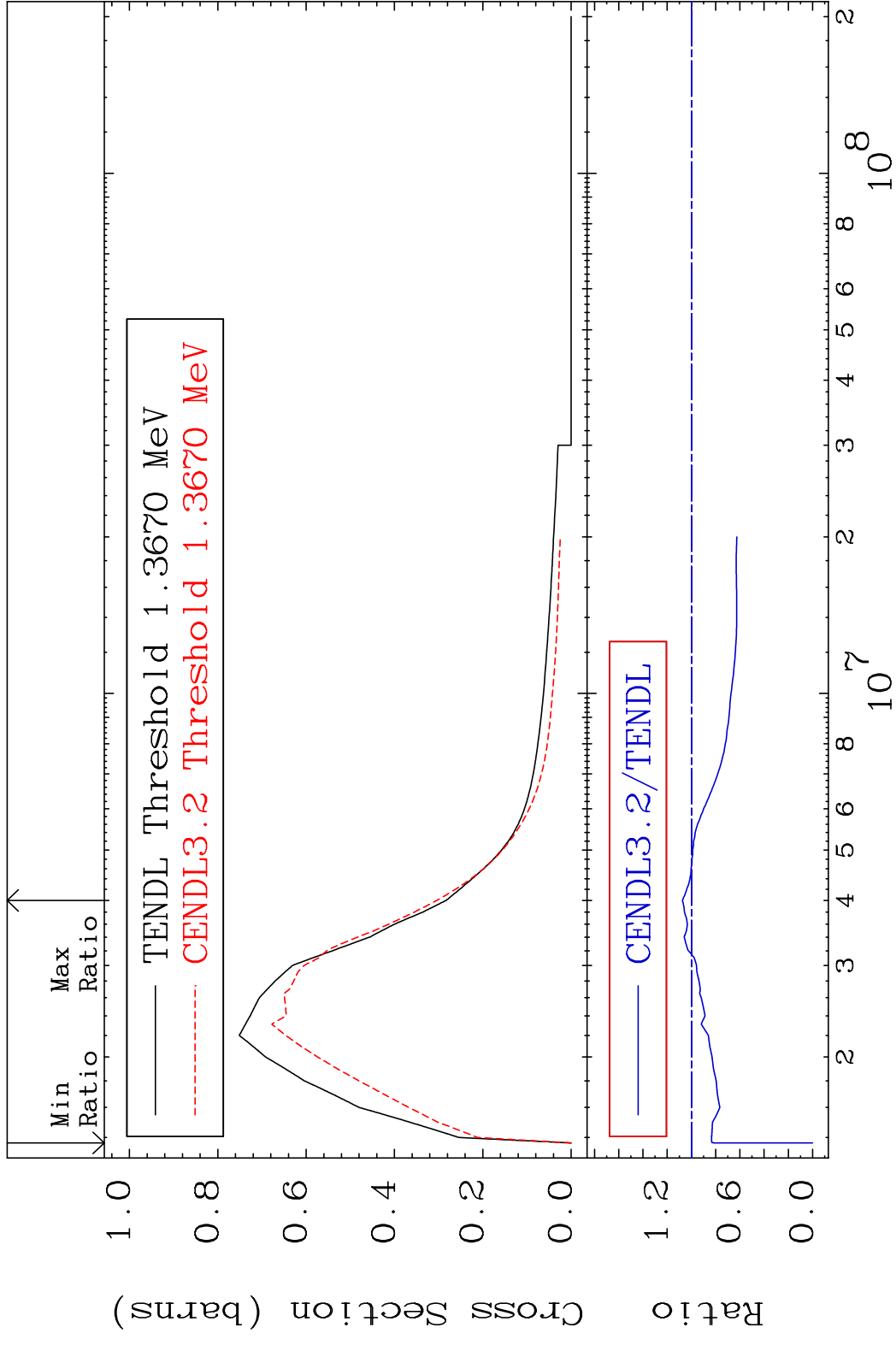
MAT 2843

(n, n') p 28-Ni-64

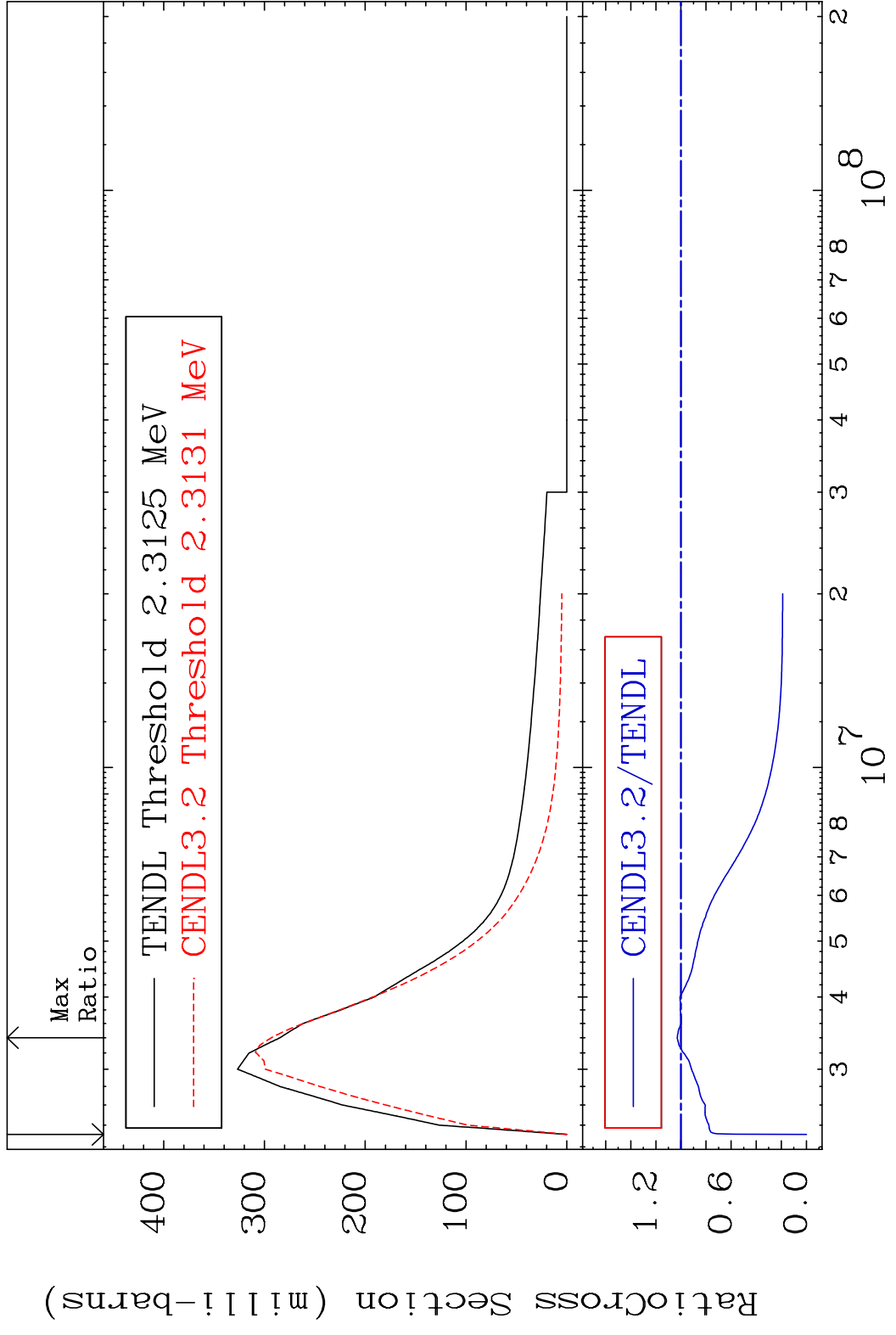
Cross Section -100.0 To 45.61 %



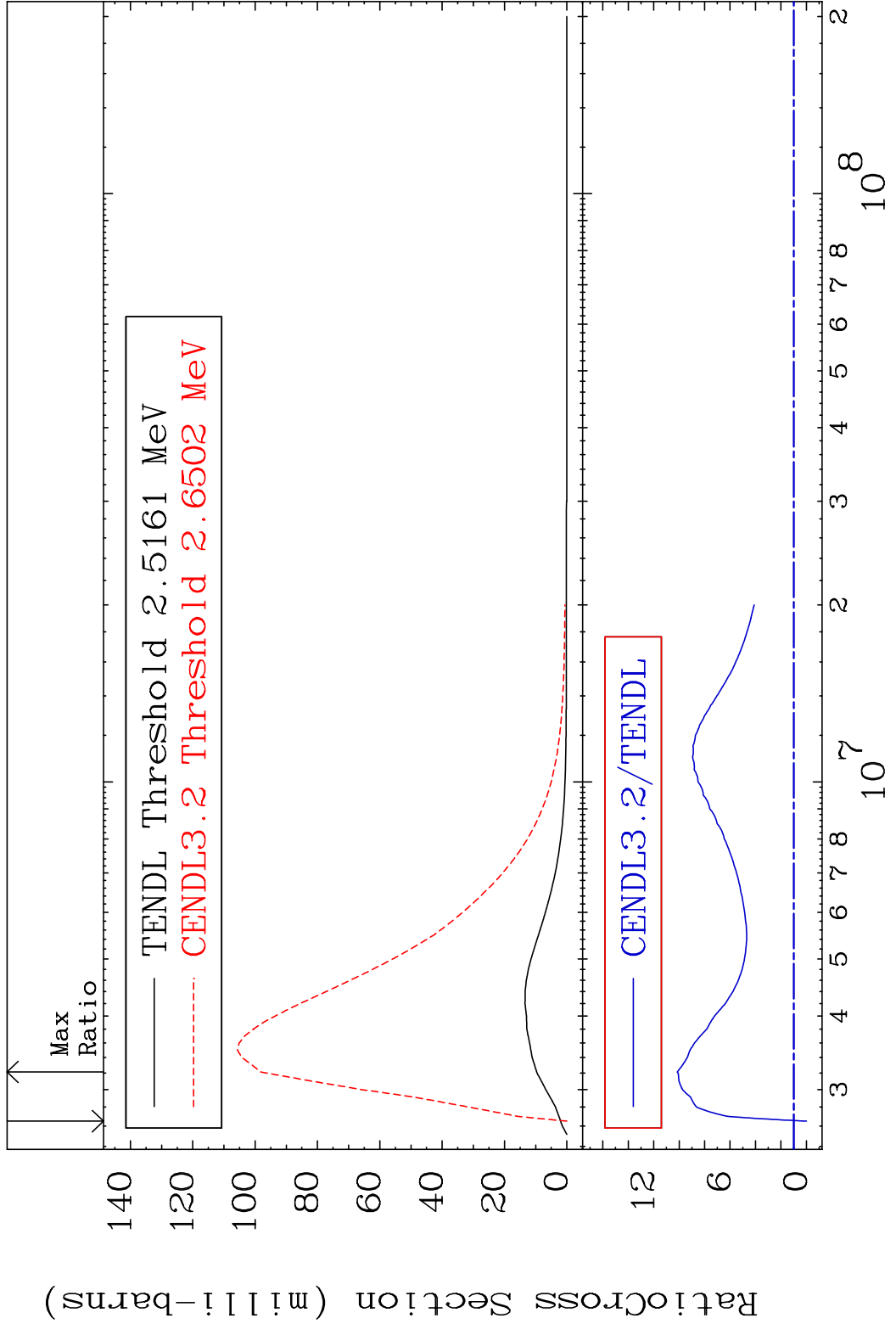
MAT 2843 MT= 51 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 7.496 %



MAT 2843 MT= 52 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 2.994 %

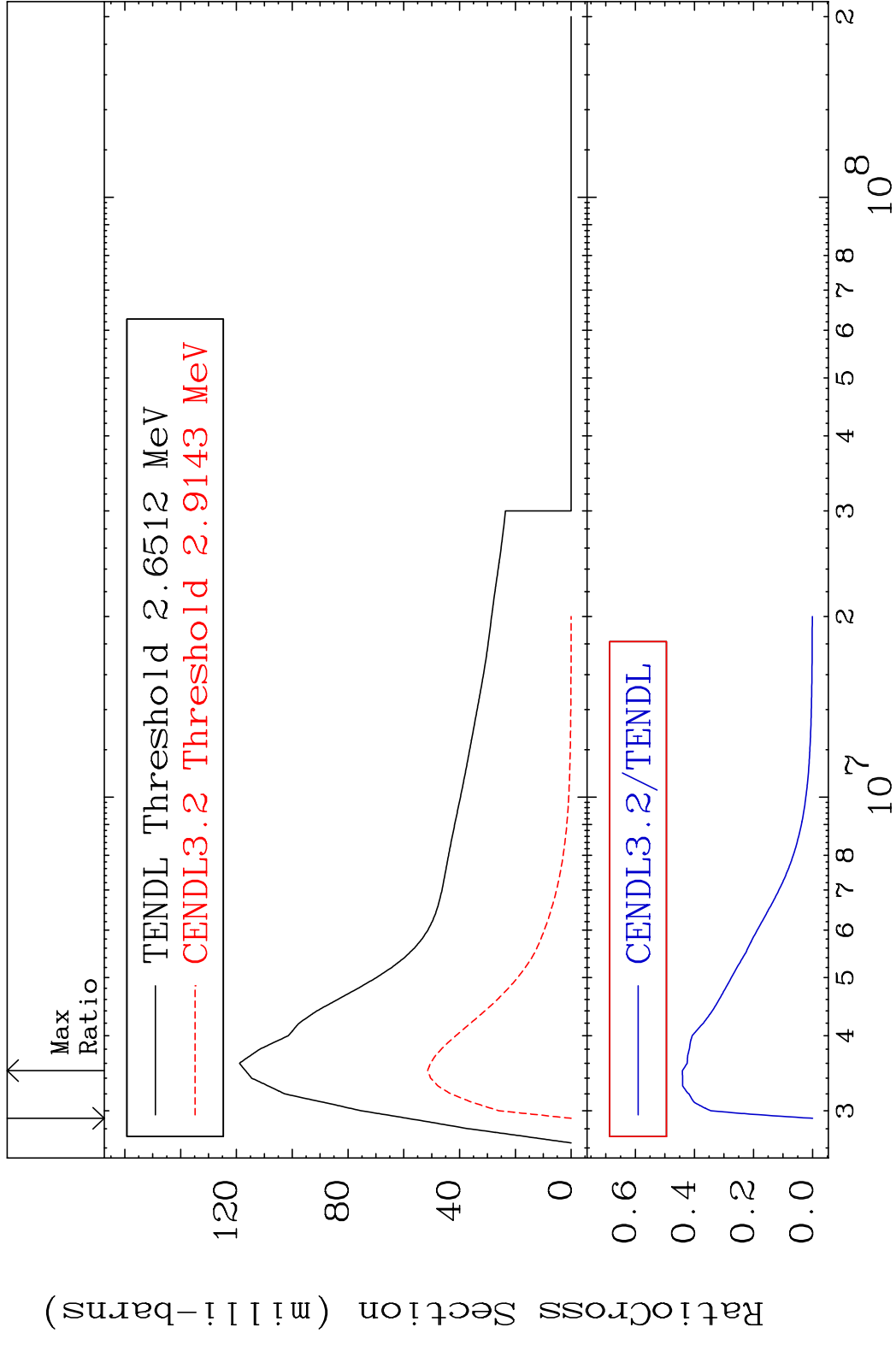


MAT 2843 MT= 53 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 915.5 %

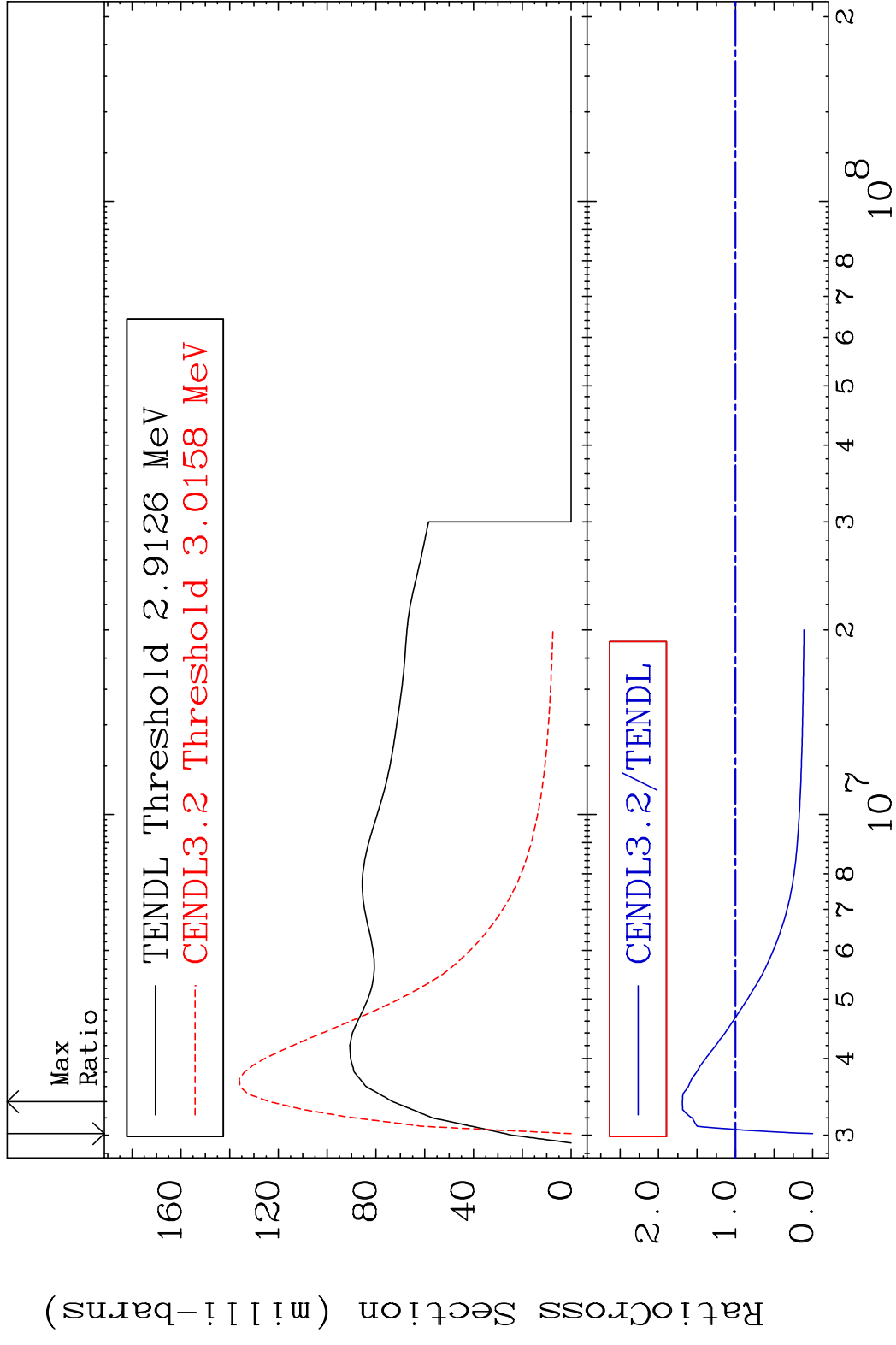


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 28-Ni-64

MAT 2843 MT= 54 (n,n') Level 28-Ni-64
 Cross Section -100.0 To -55.92%

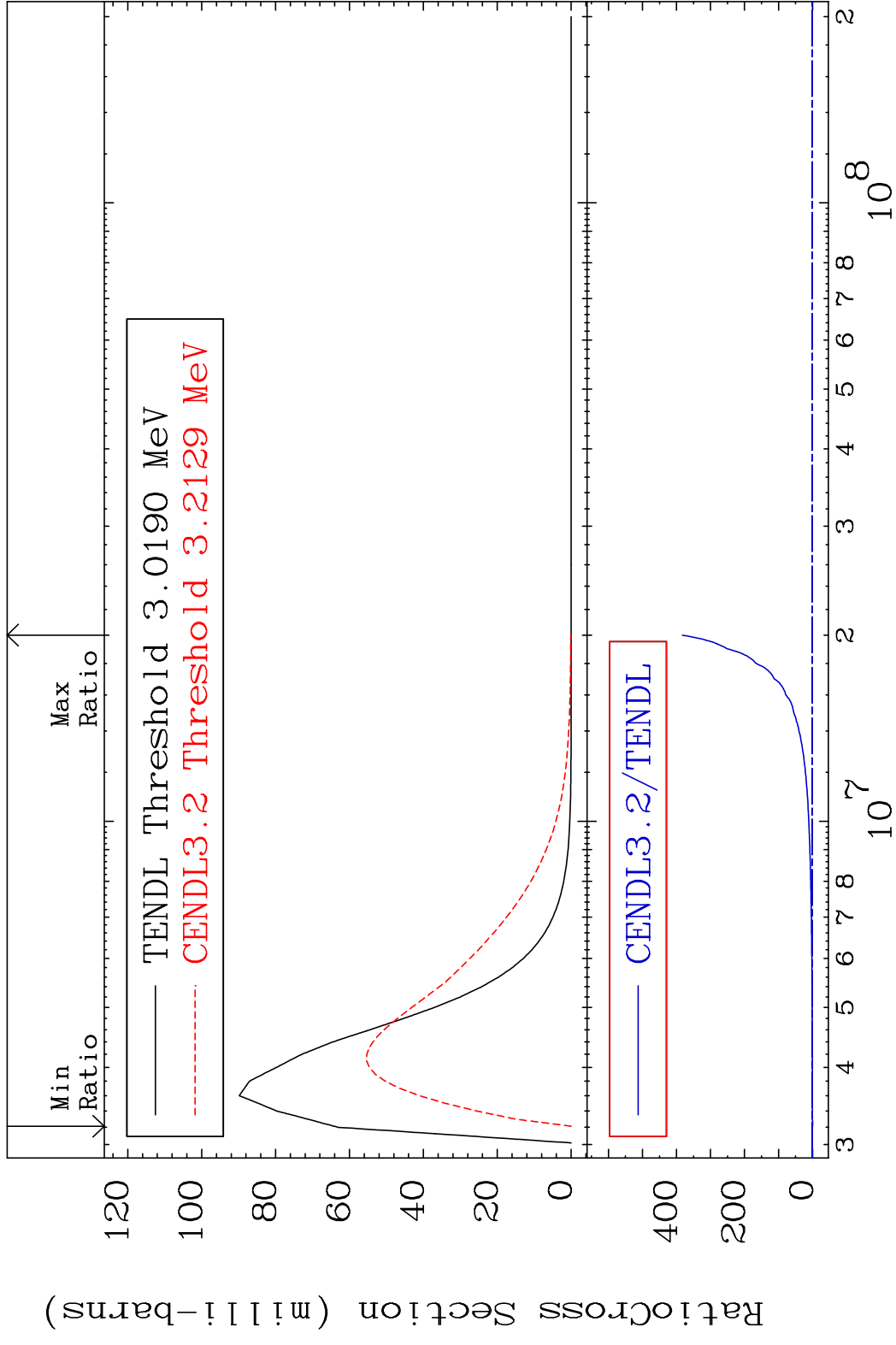


MAT 2843 MT= 55 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 69.09 %



12 28-Ni-64

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

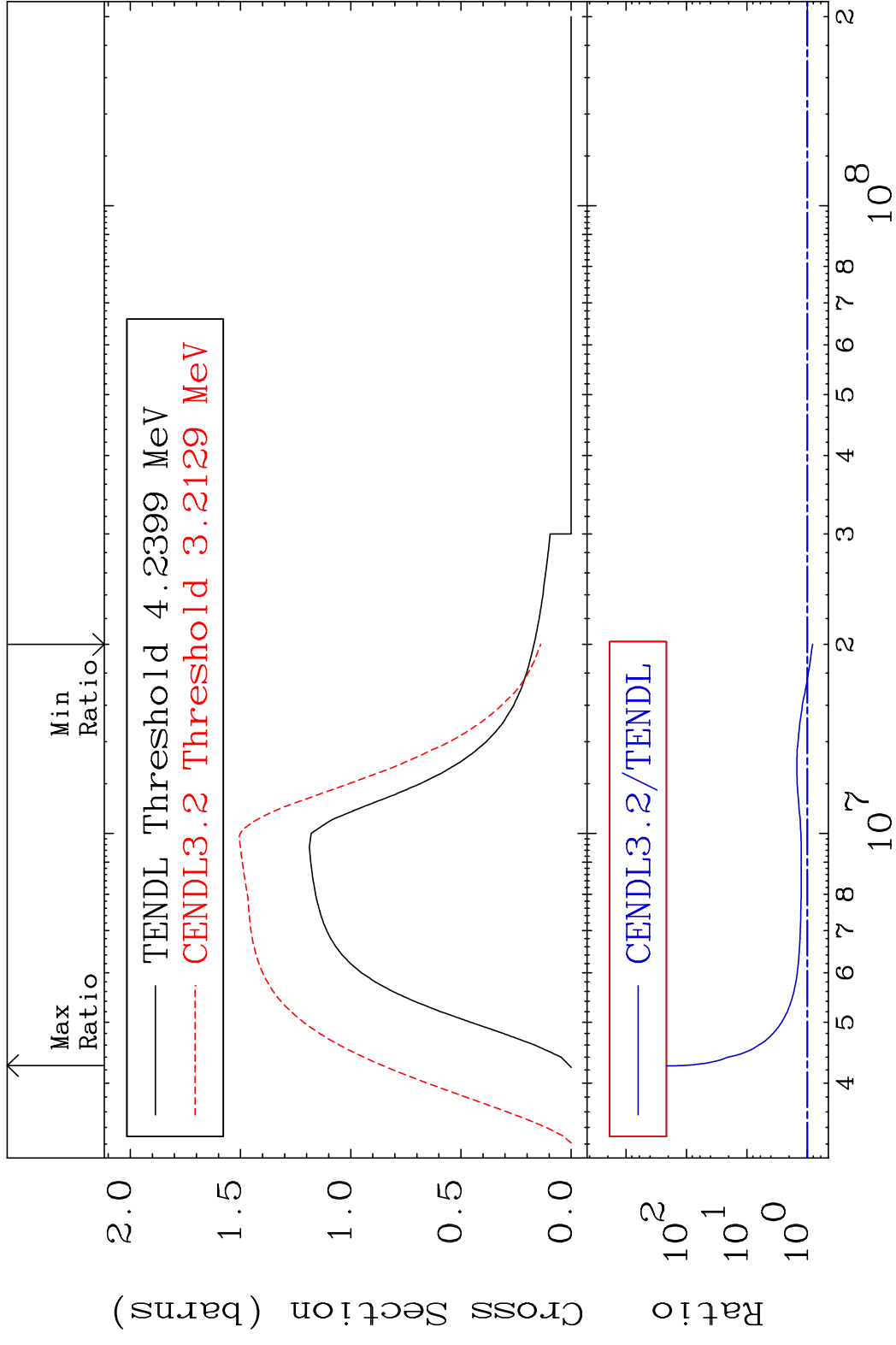


MAT 2843

(n, n') Continuum

28-Ni-64

Cross Section -17.90 To 9999. %



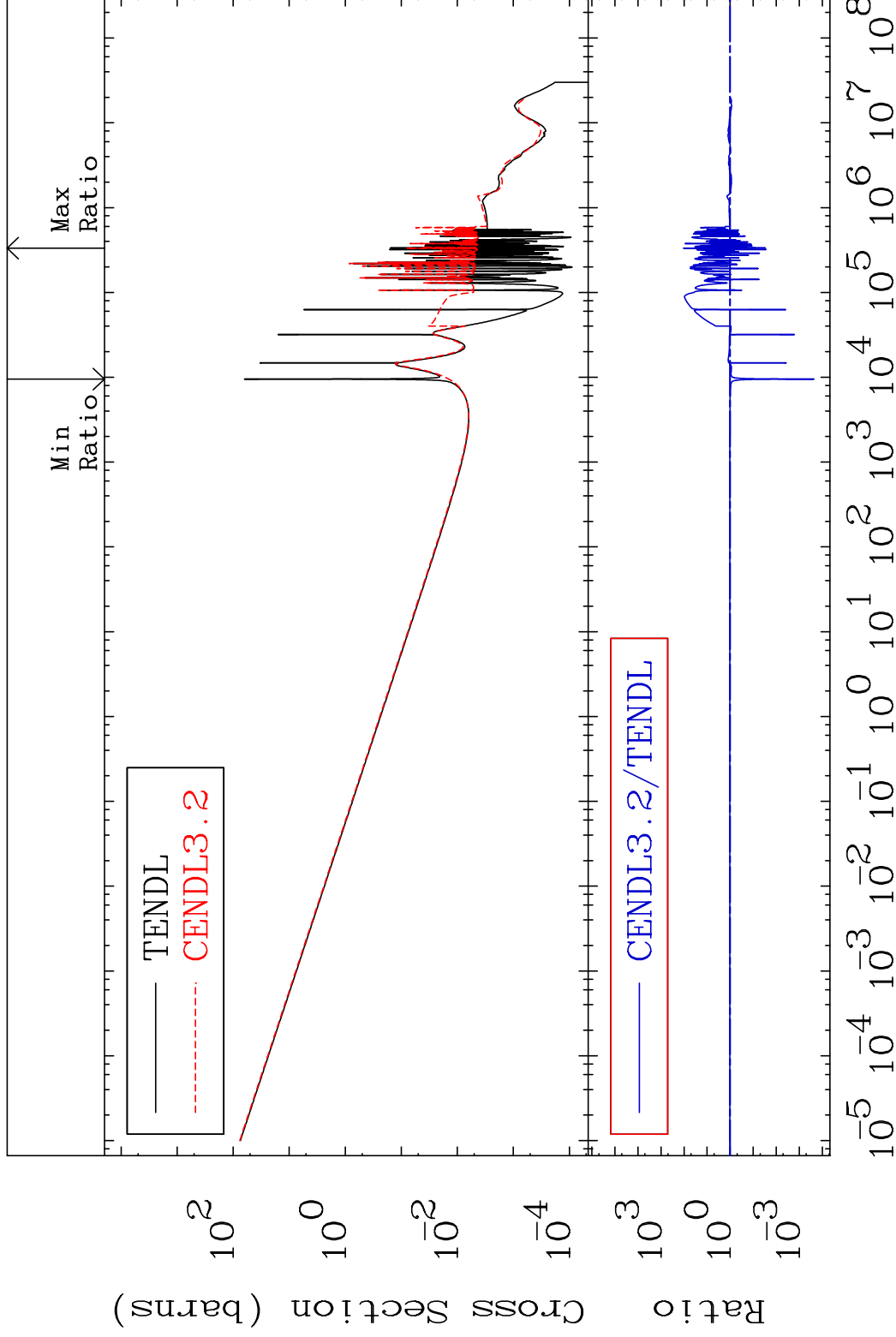
MAT 2843

(n, γ)

28-Ni-64

Cross Section

-99.98 To 9999. %

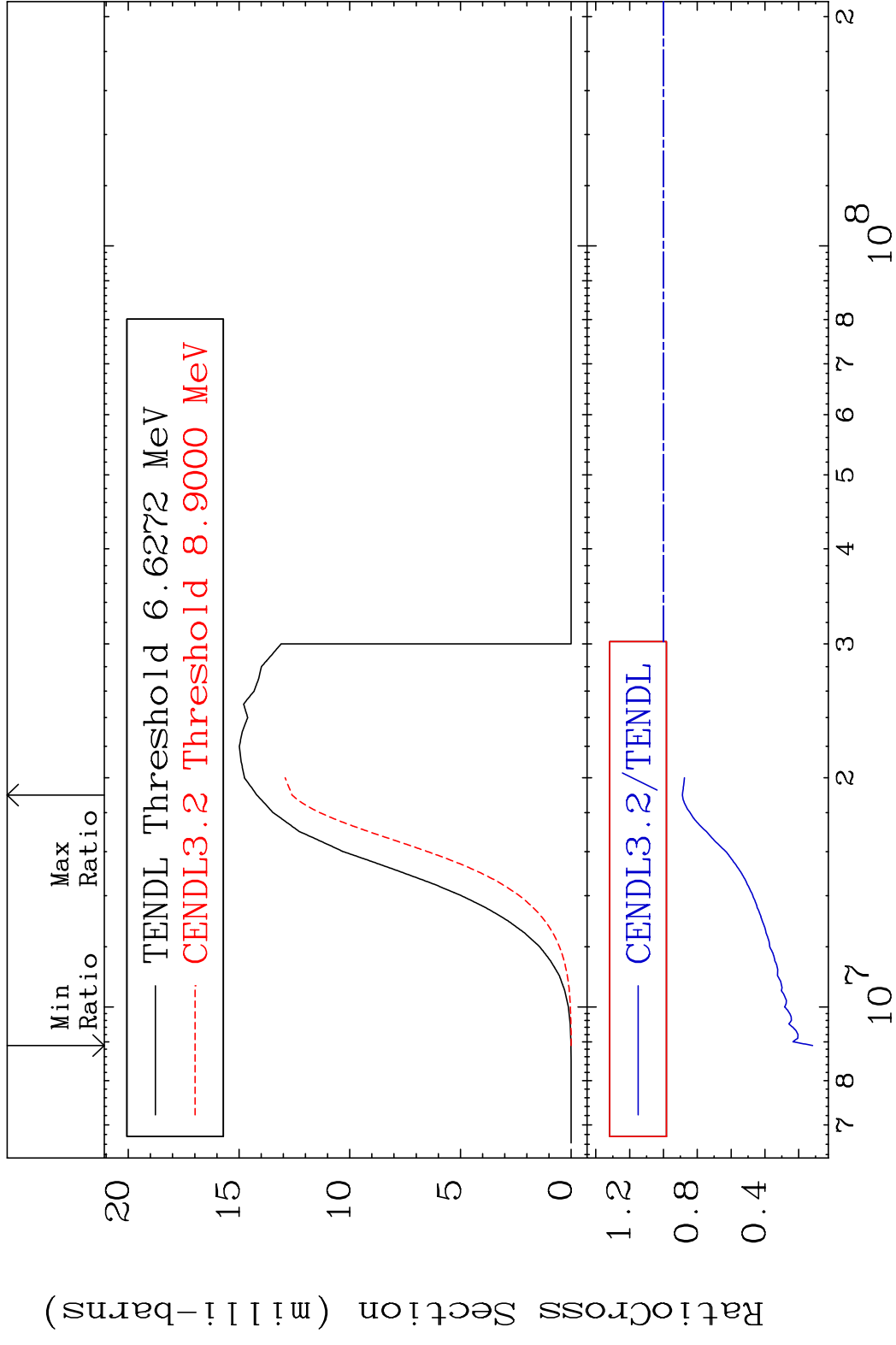


15

Incident Energy (eV)

28-Ni-64

MAT 2843 (n,p) 28-Ni-64
 Cross Section -88.16 To -11.17%



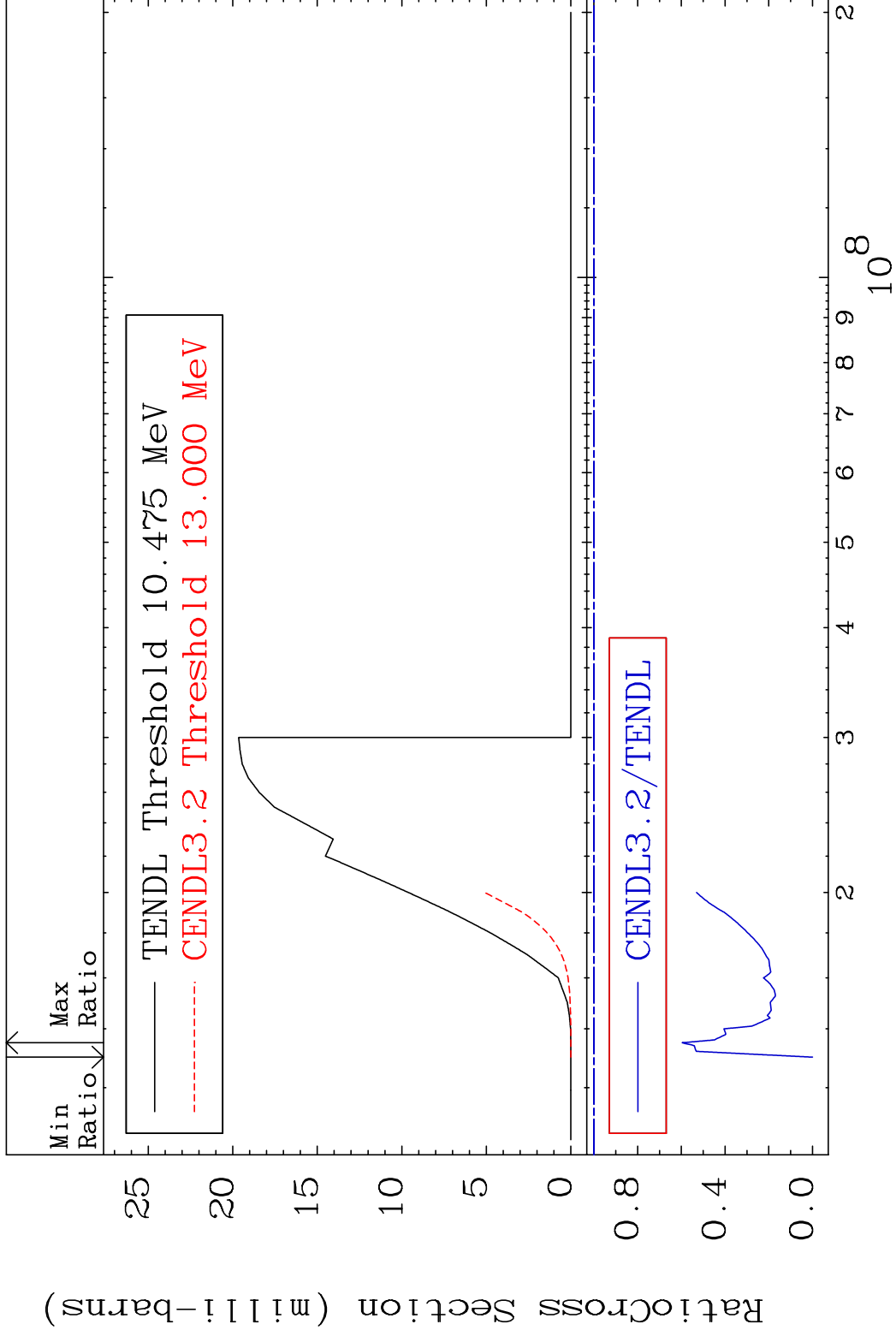
16 16 Incident Energy (eV) 28-Ni-64

MAT 2843

(n,d)

28-Ni-64

Cross Section -100.0 To -40.36%



17

Incident Energy (eV)

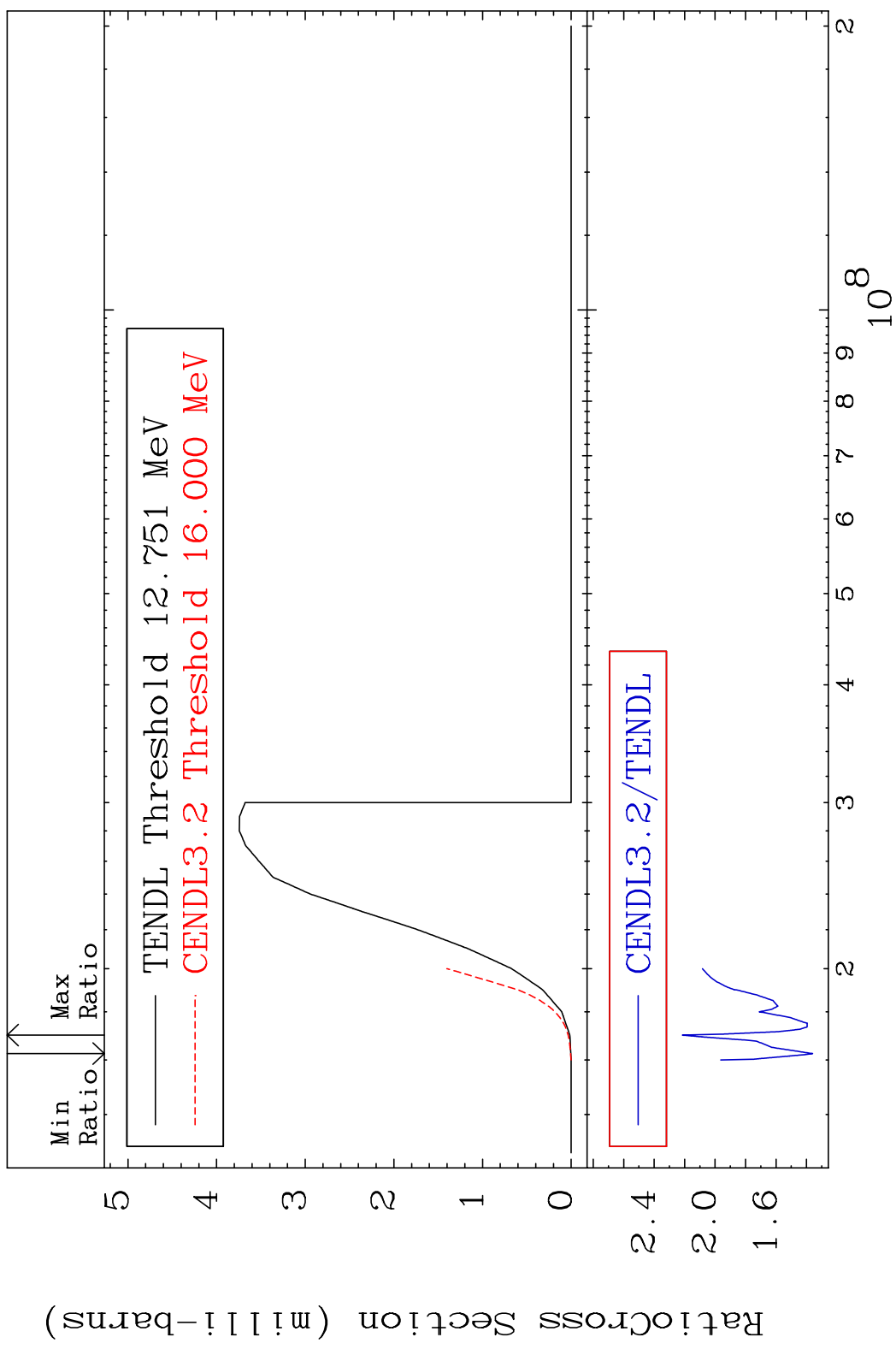
28-Ni-64

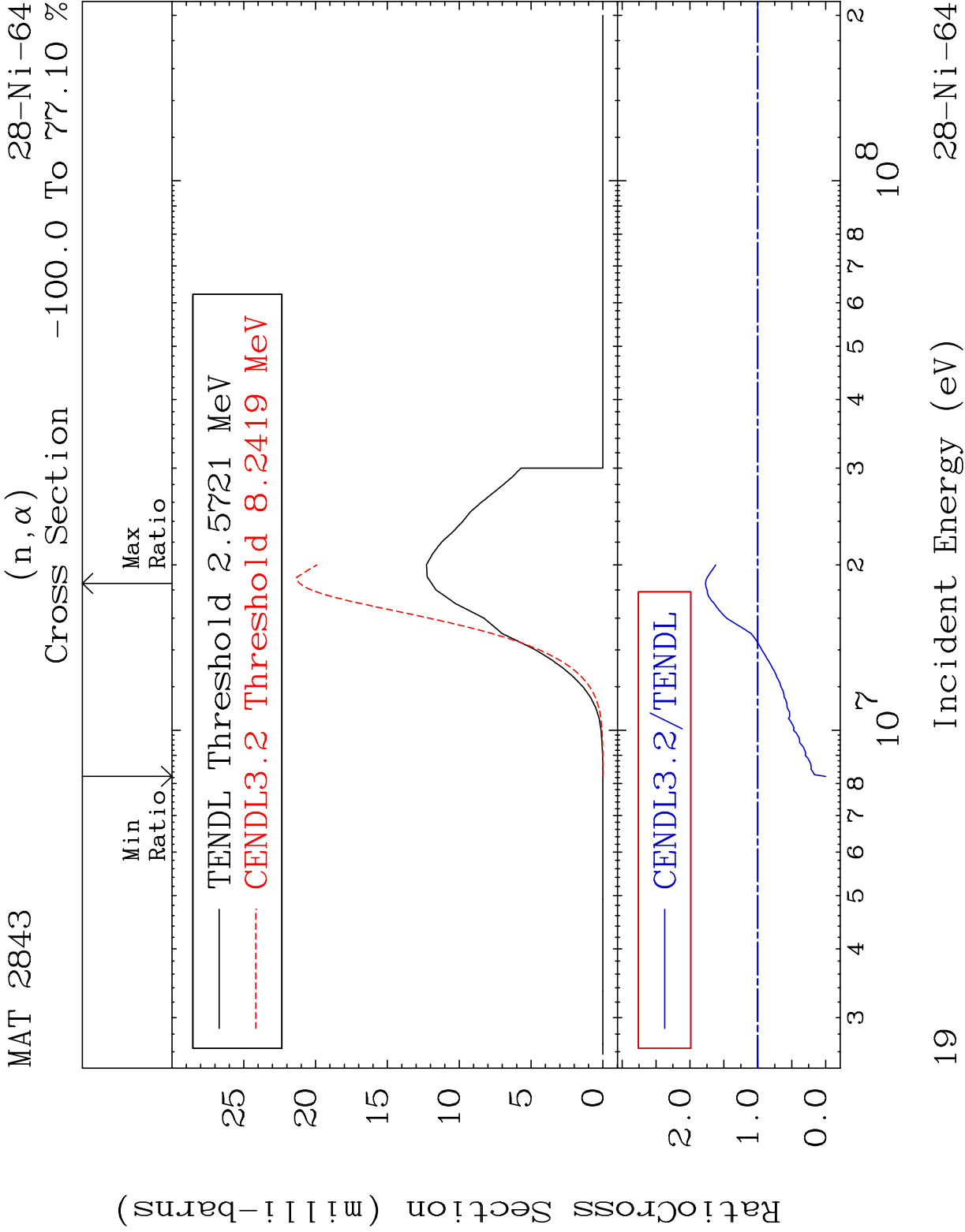
MAT 2843

(n, t)

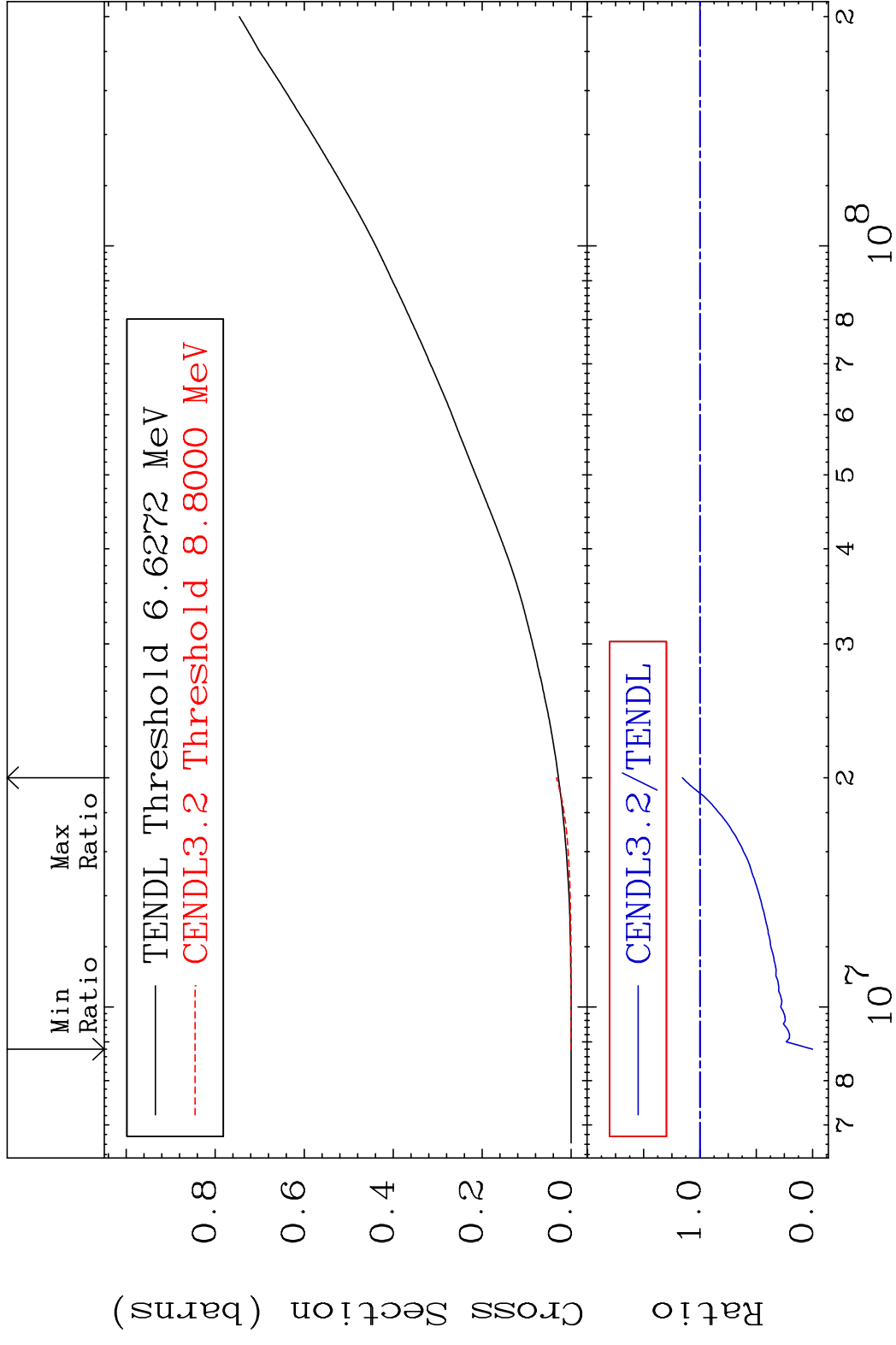
28-Ni-64

Cross Section 36.02 To 121.5 %





MAT 2843 Hydrogen Production $^{28}\text{Ni-64}$
 Cross Section -100.0 To 15.66 %

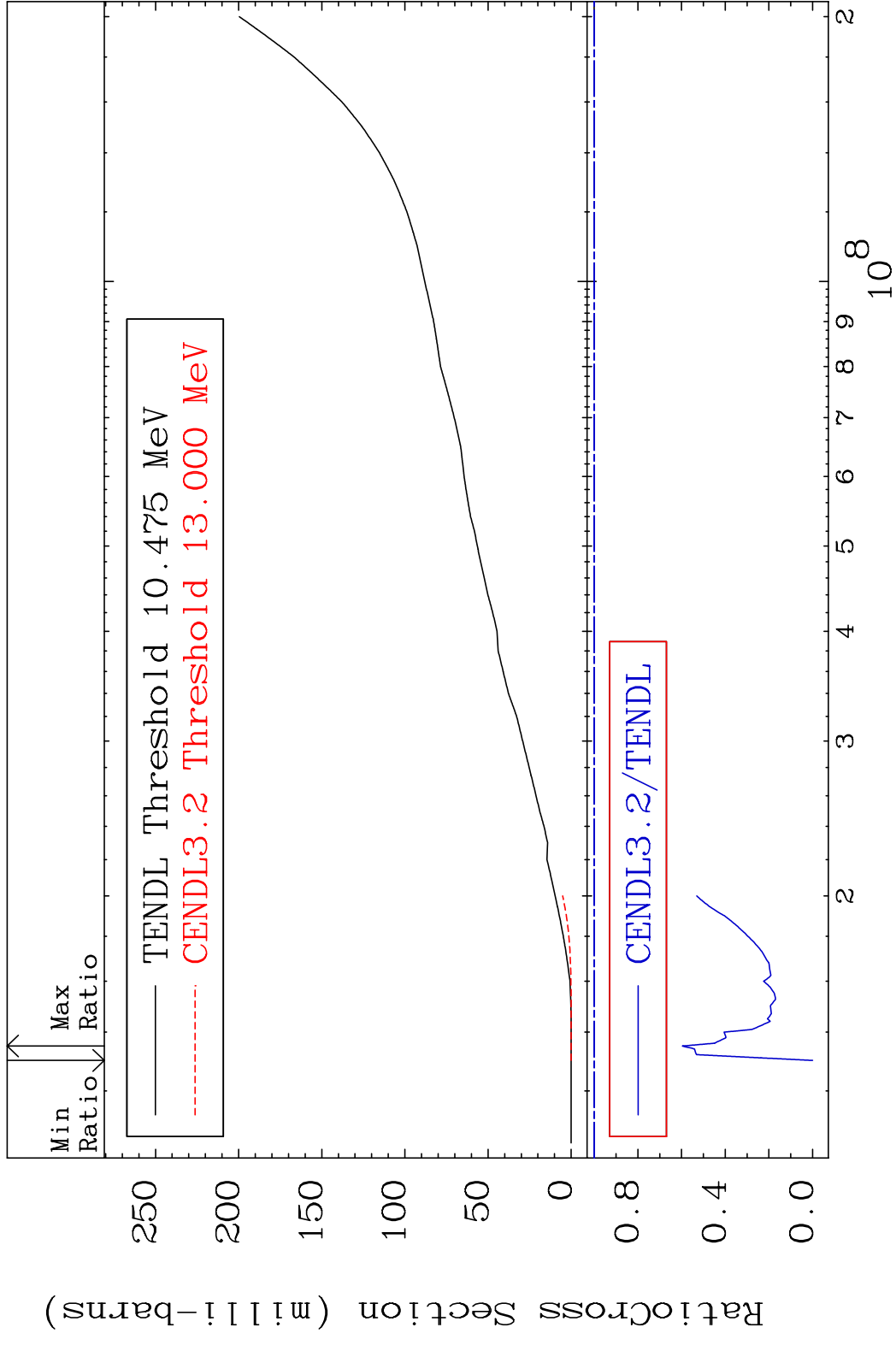


20 Incident Energy (eV) $^{28}\text{Ni-64}$

MAT 2843

Deuterium Production ²⁸Ni-64

Cross Section -100.0 To -40.36%



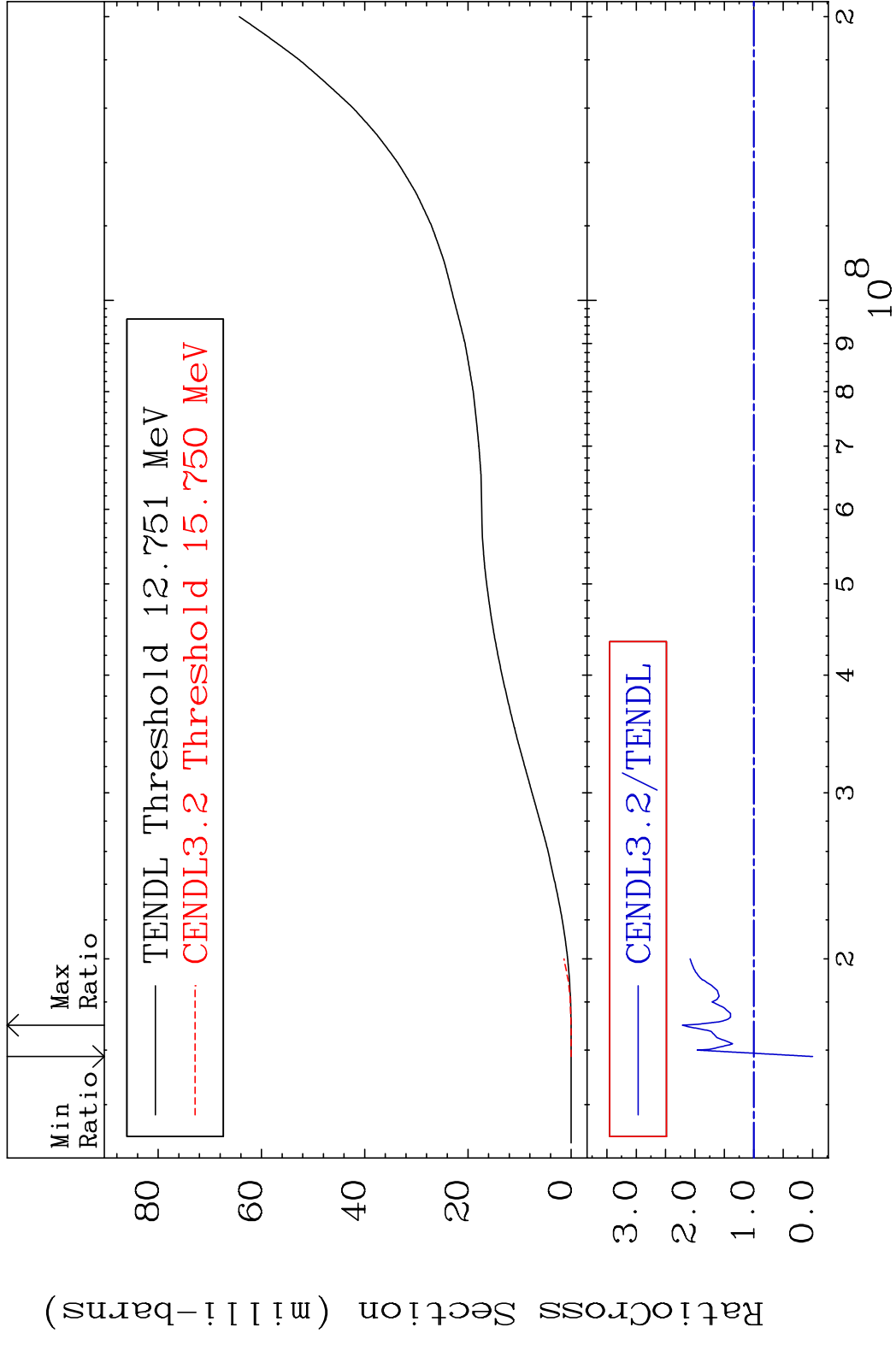
21

Incident Energy (eV)

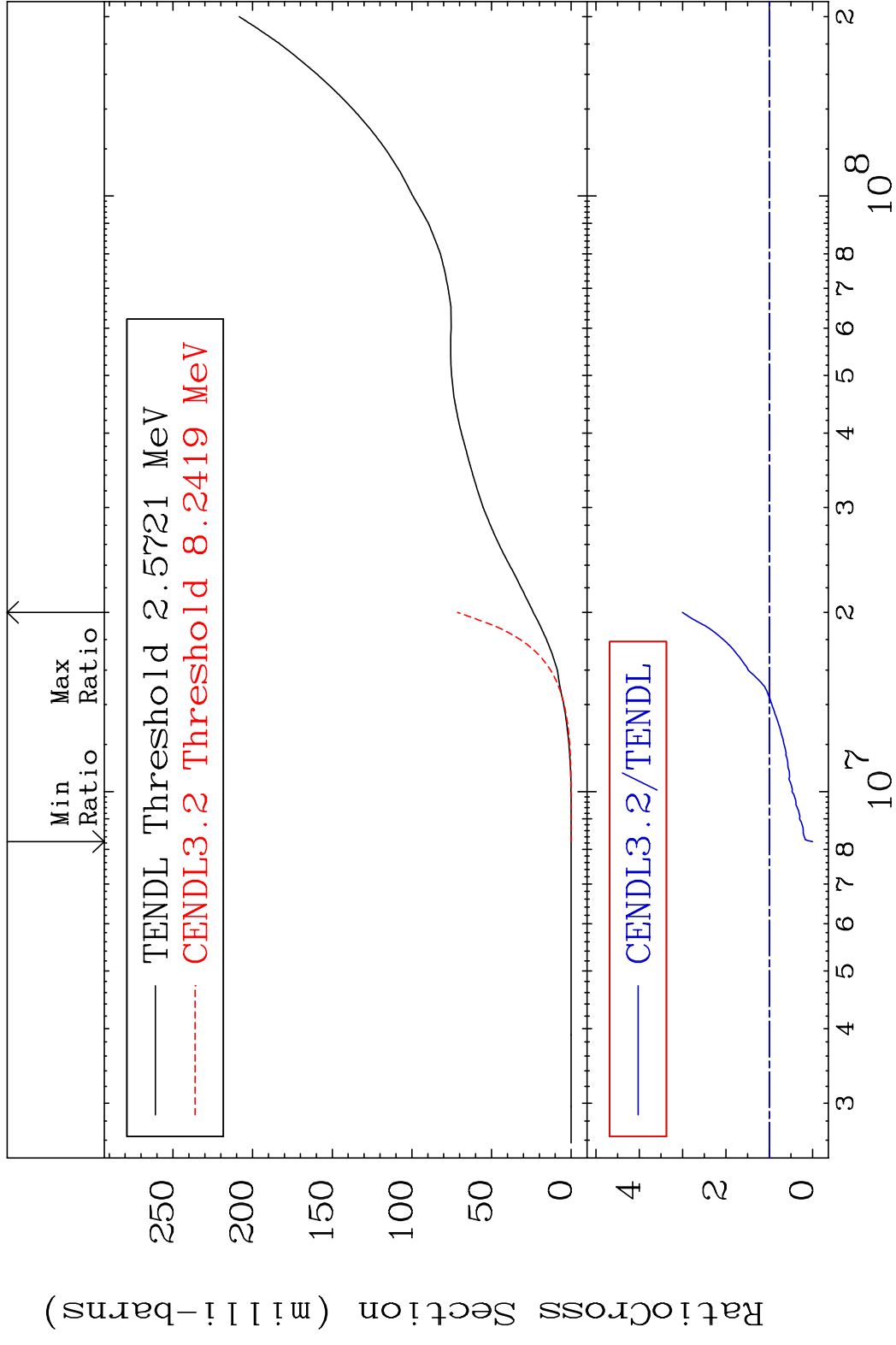
²⁸Ni-64

MAT 2843

Tritium Production ²⁸Ni-64
Cross Section -100.0 To 121.5 %

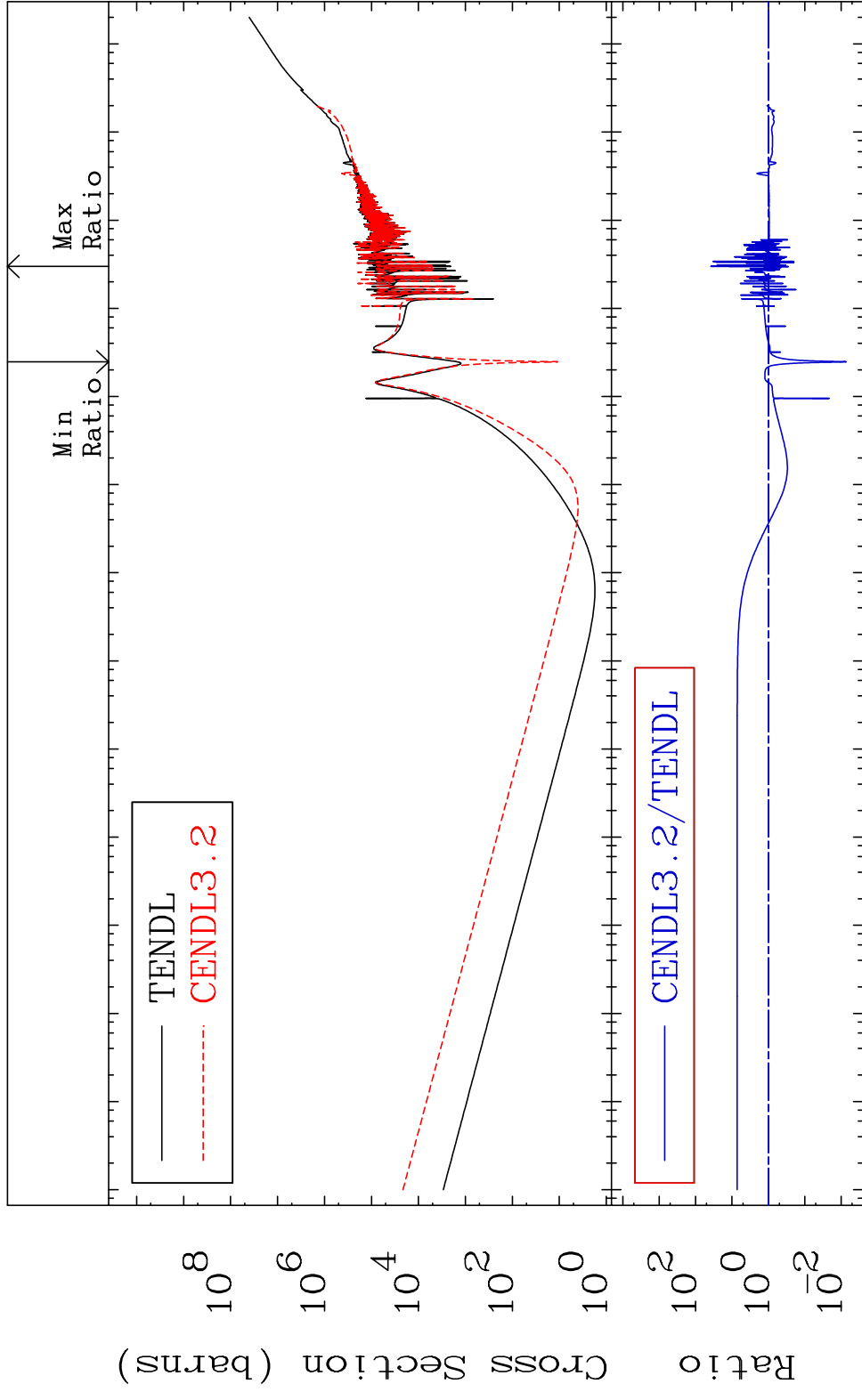


MAT 2843 He-4 Production 28-Ni-64
 Cross Section -100.0 To 200.5 %



23 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64
 Cross Section -99.28 To 3751. %



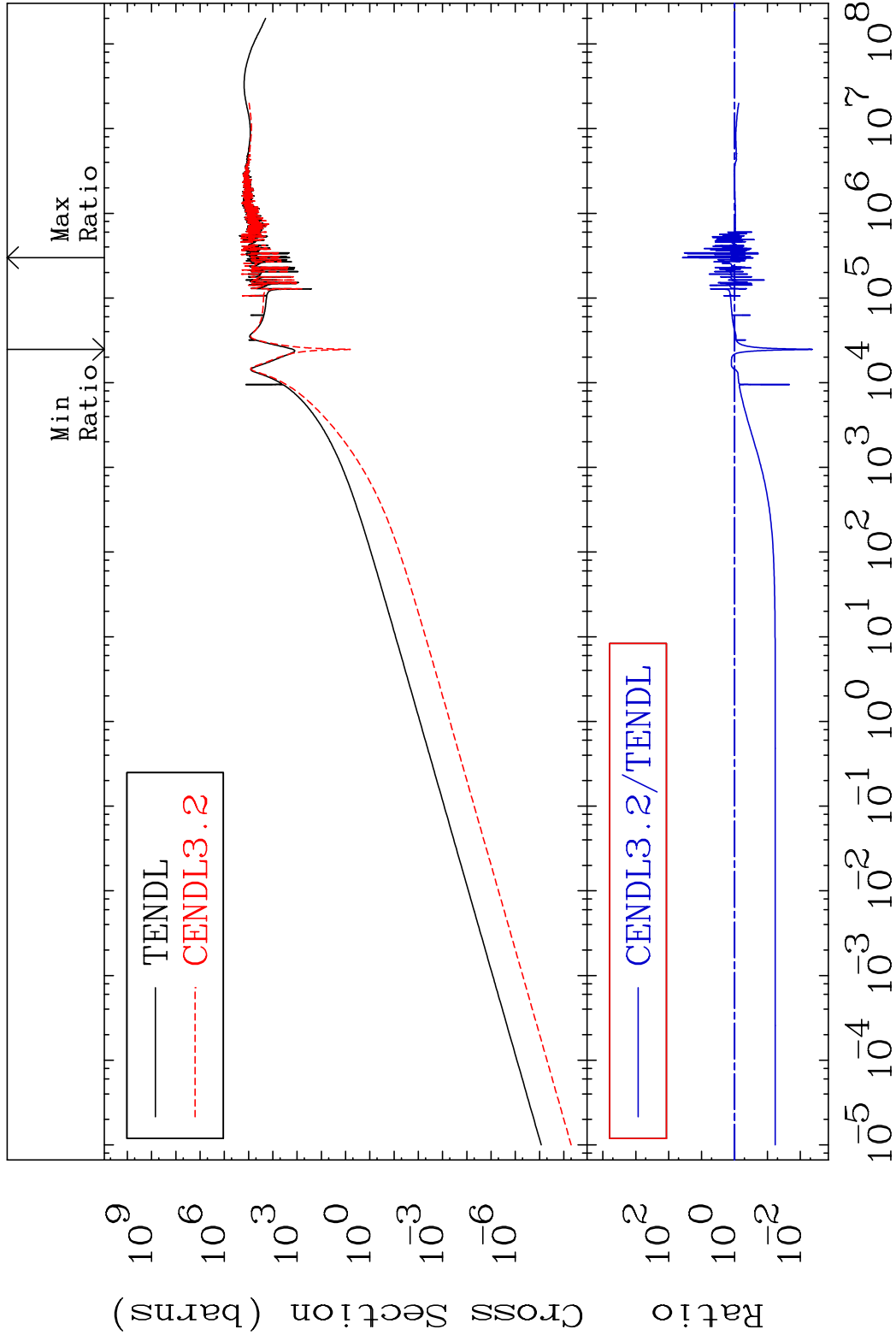
24 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic

28-Ni-64

Cross Section -99.57 To 3749. %

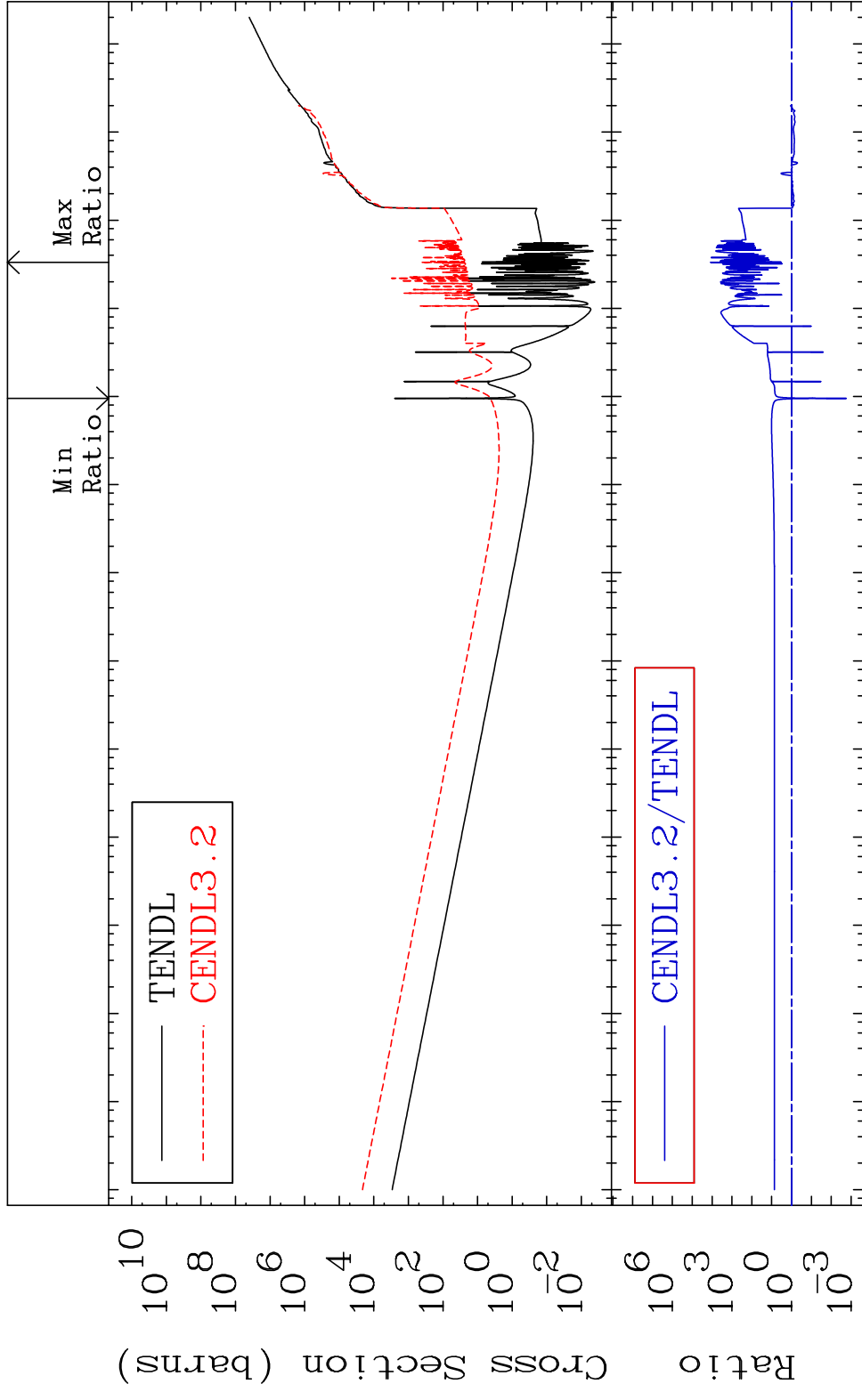


25

Incident Energy (eV)

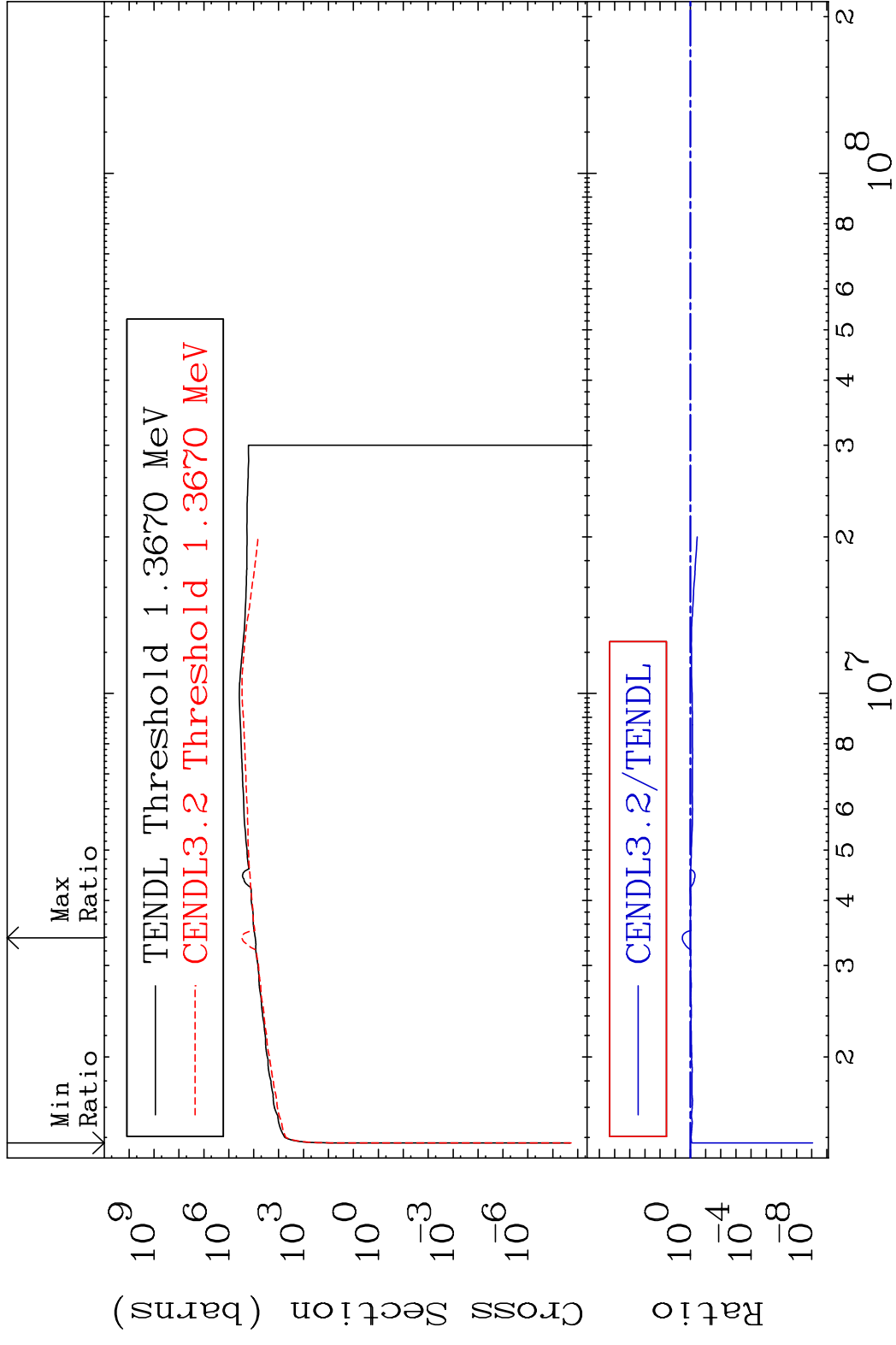
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -99.83 To 9999. %

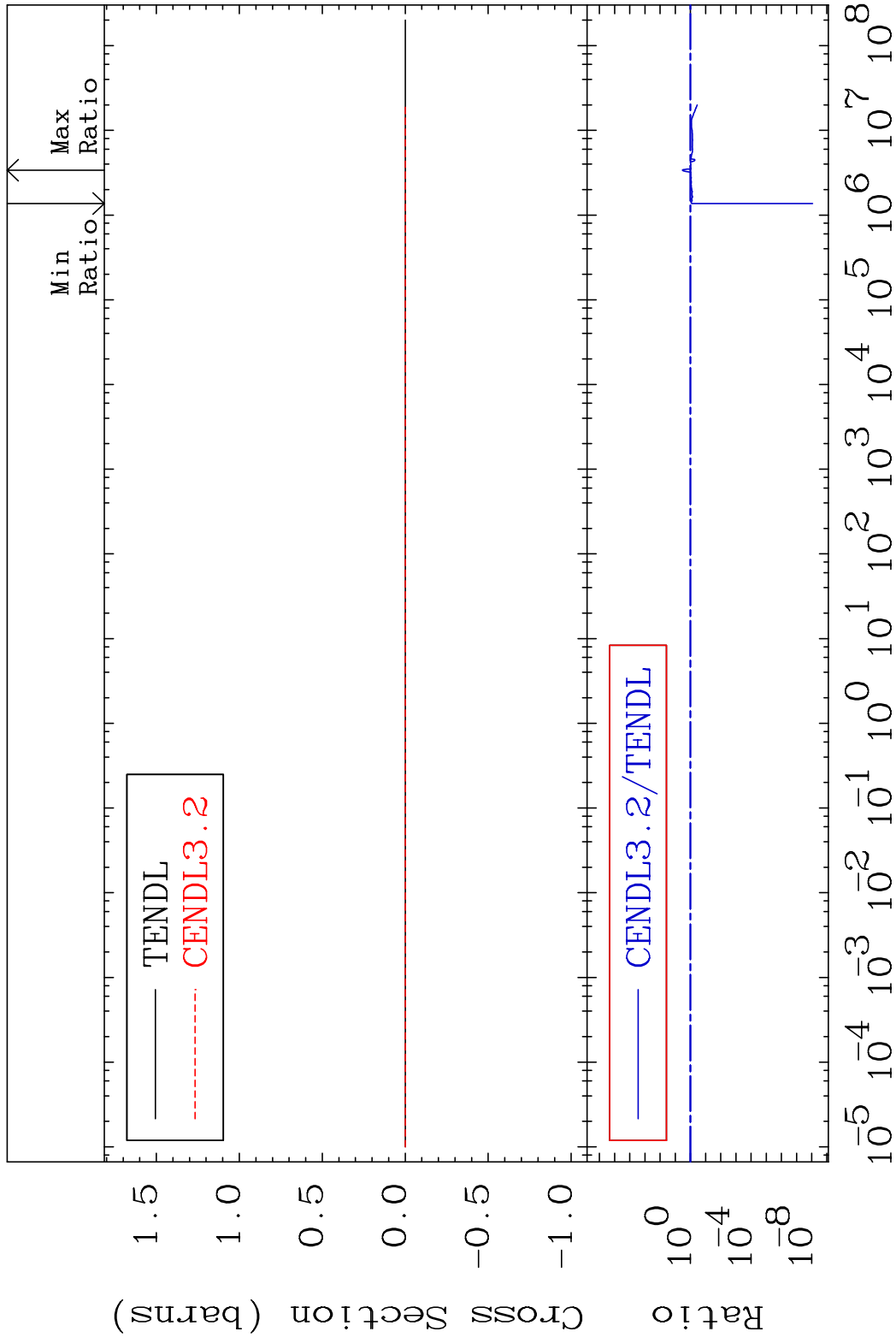


26 Incident Energy (eV) 28-Ni-64

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



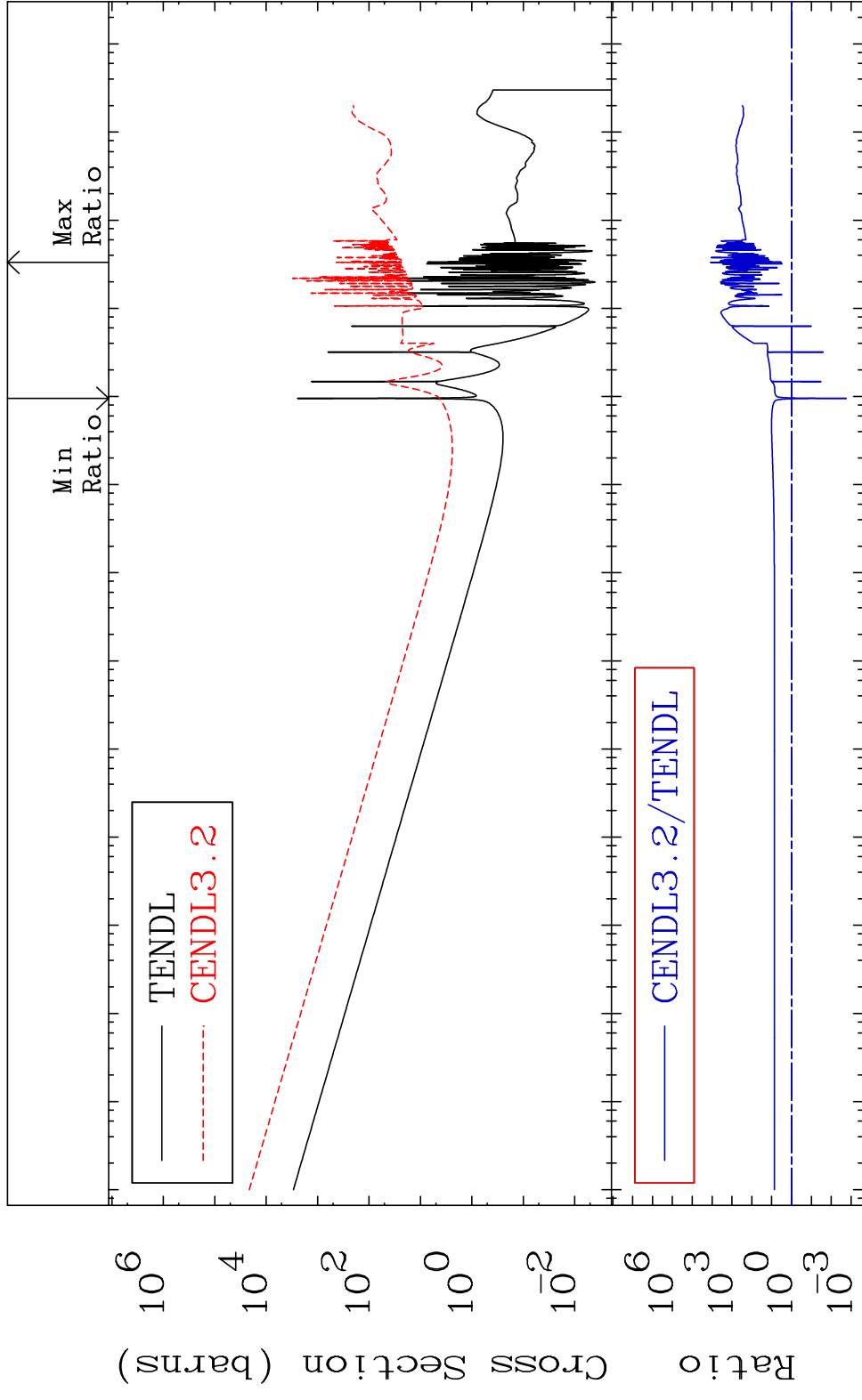
MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -100.0 To 240.1 %



28 Incident Energy (eV) 28-Ni-64

MAT 2843

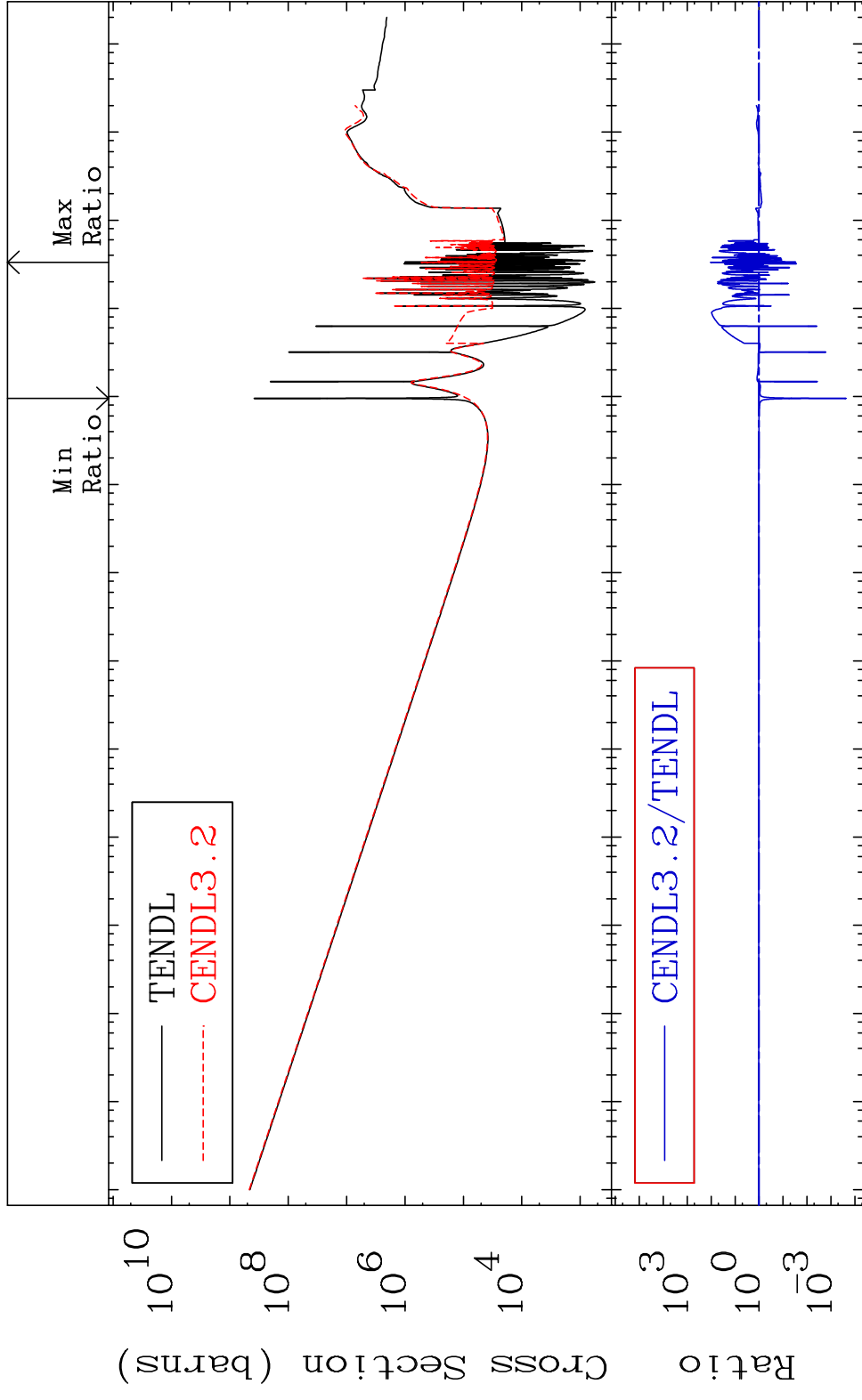
Kerma capture (mt102) 28-Ni-64
Cross Section -99.83 To 9999. %



29

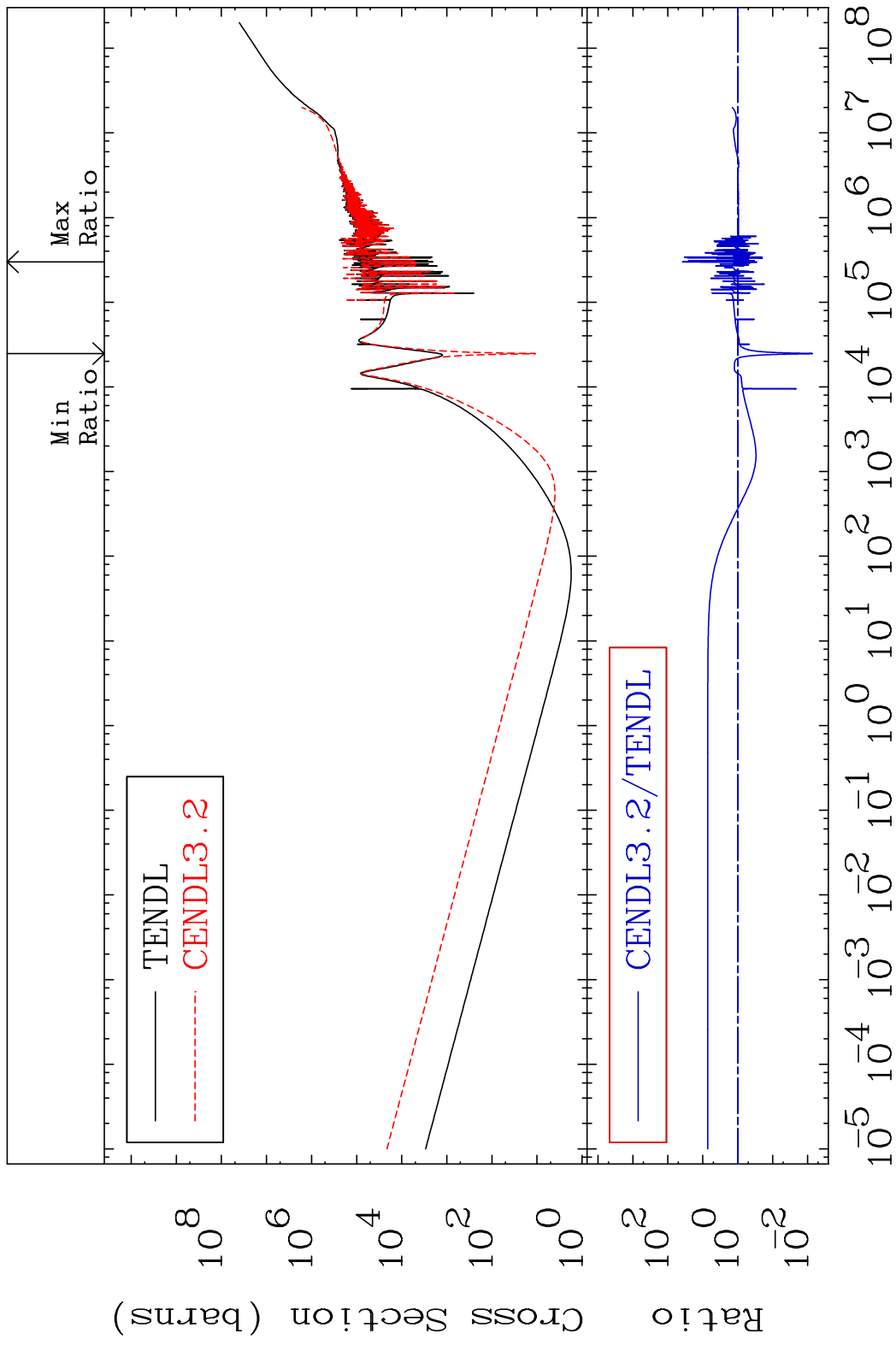
Incident Energy (eV) 28-Ni-64

MAT 2843 Total photon (eV-barns) 28-Ni-64
 Cross Section -99.98 To 9999. %



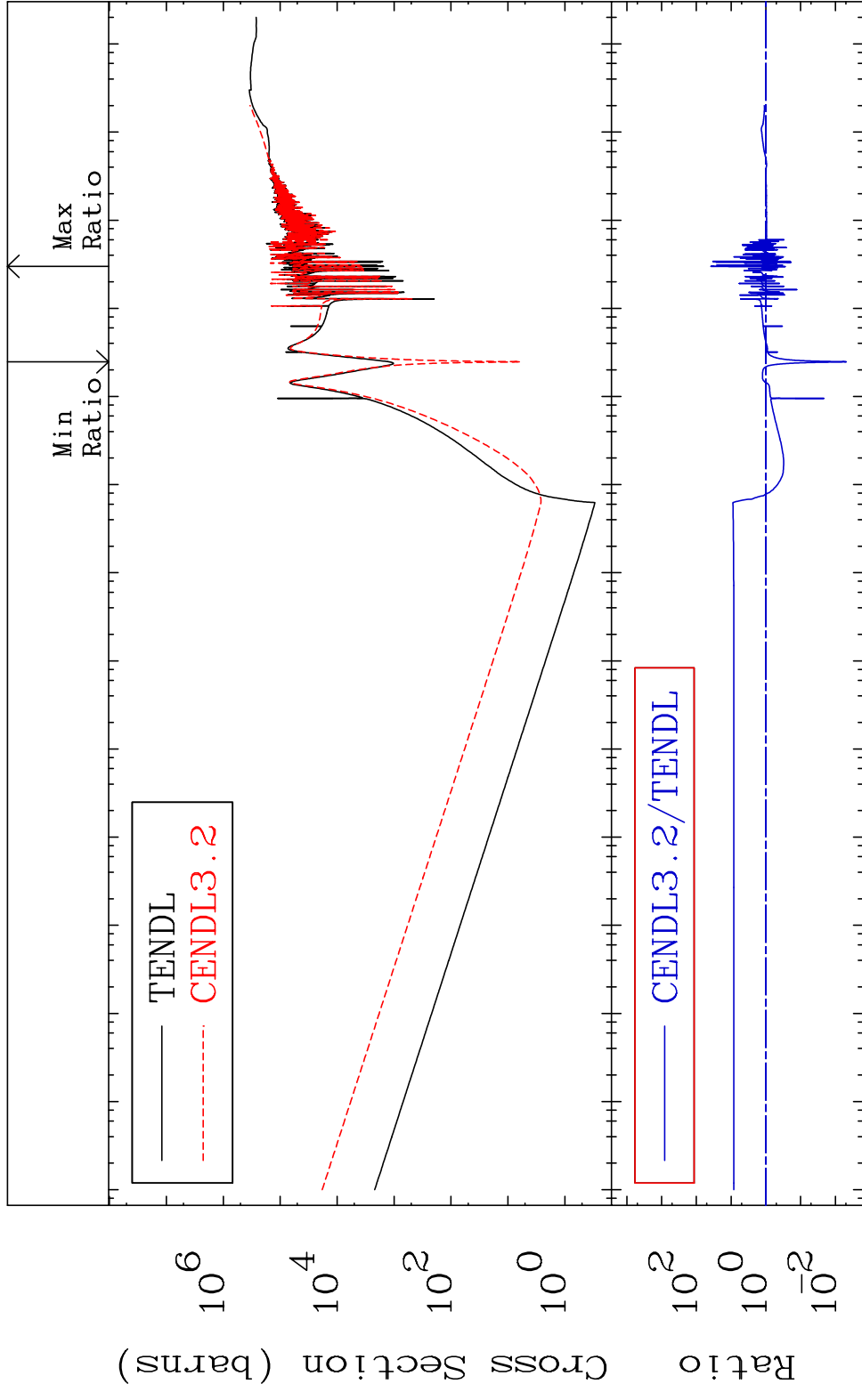
30 Incident Energy (eV) 28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
 Cross Section -99.28 To 3751. %



31 Incident Energy (eV) 28-Ni-64

MAT 2843 Dpa total (eV-barns) 28-Ni-64
 Cross Section -99.52 To 3755. %



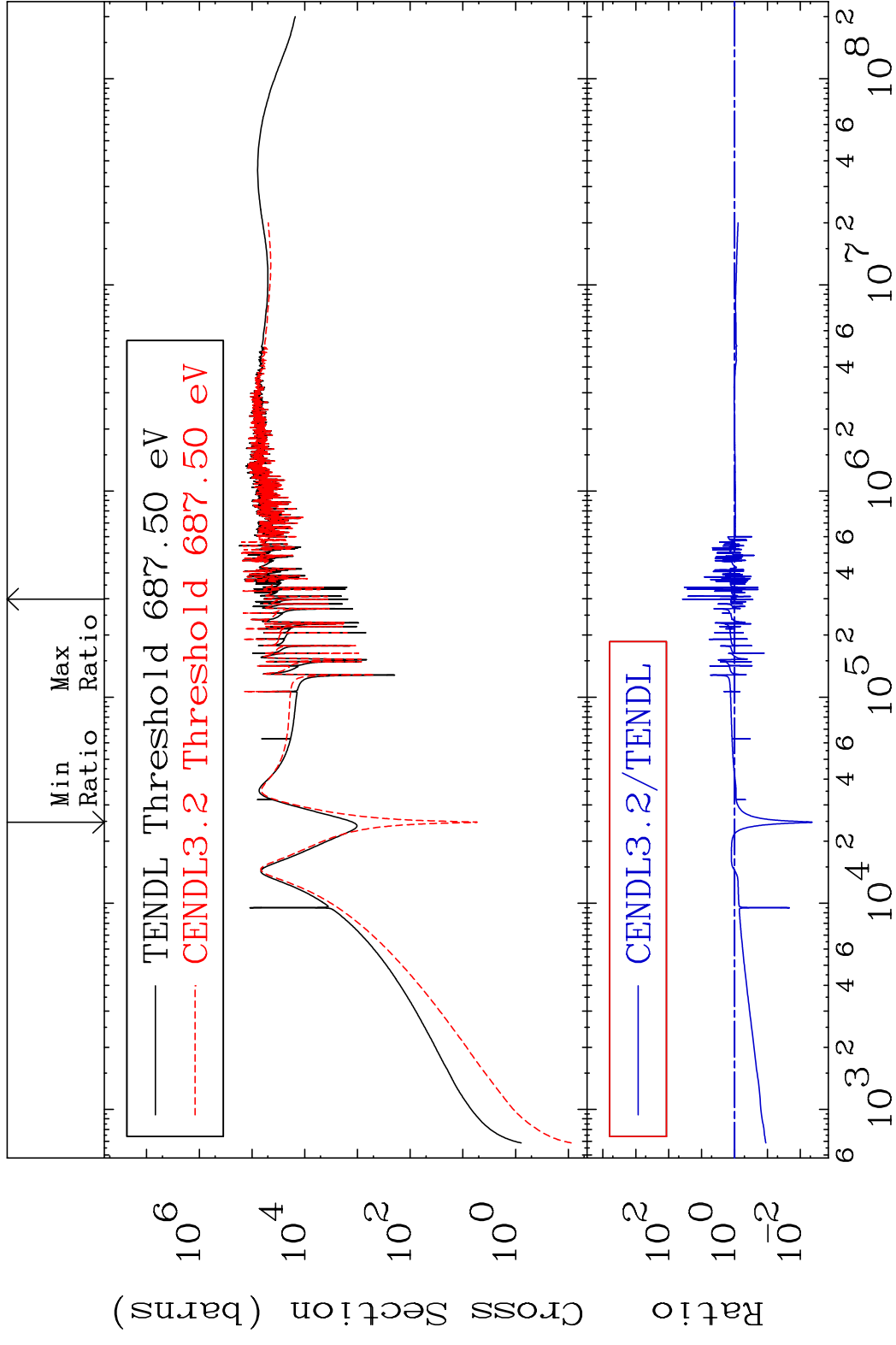
32 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -99.57 To 3756. %

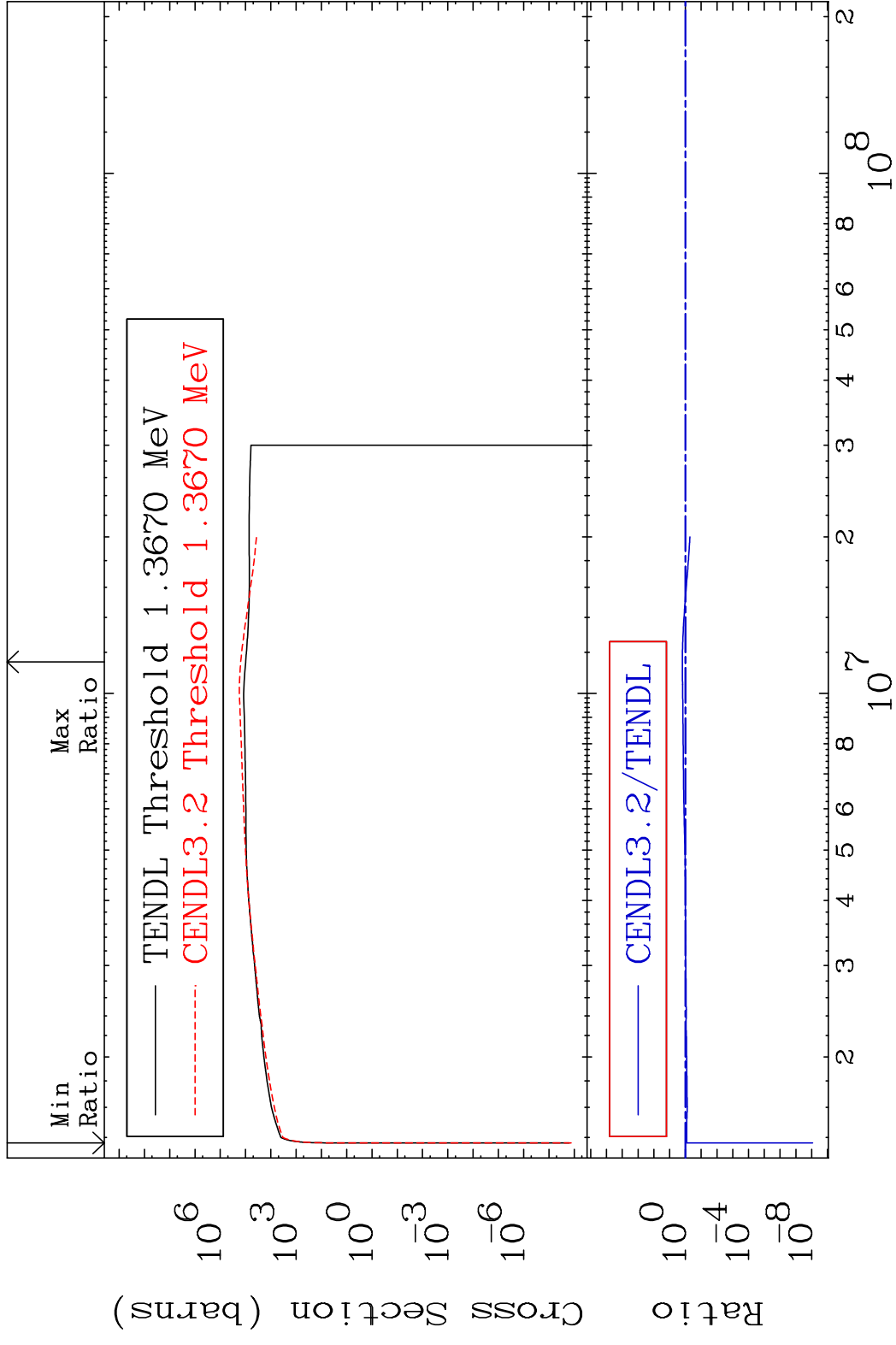


33

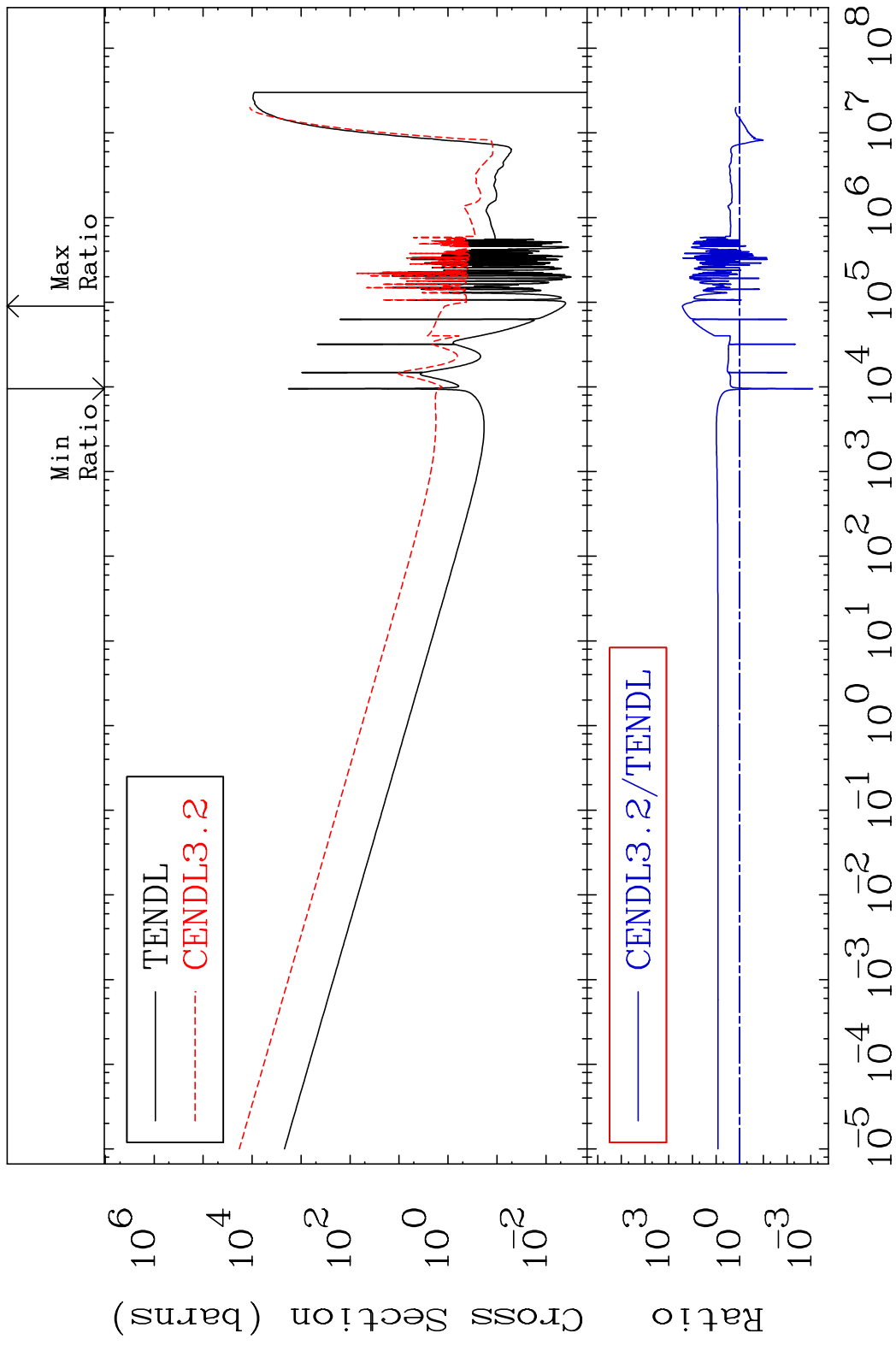
Incident Energy (eV)

28-Ni-64

MAT 2843 Dpa inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 55.82 %

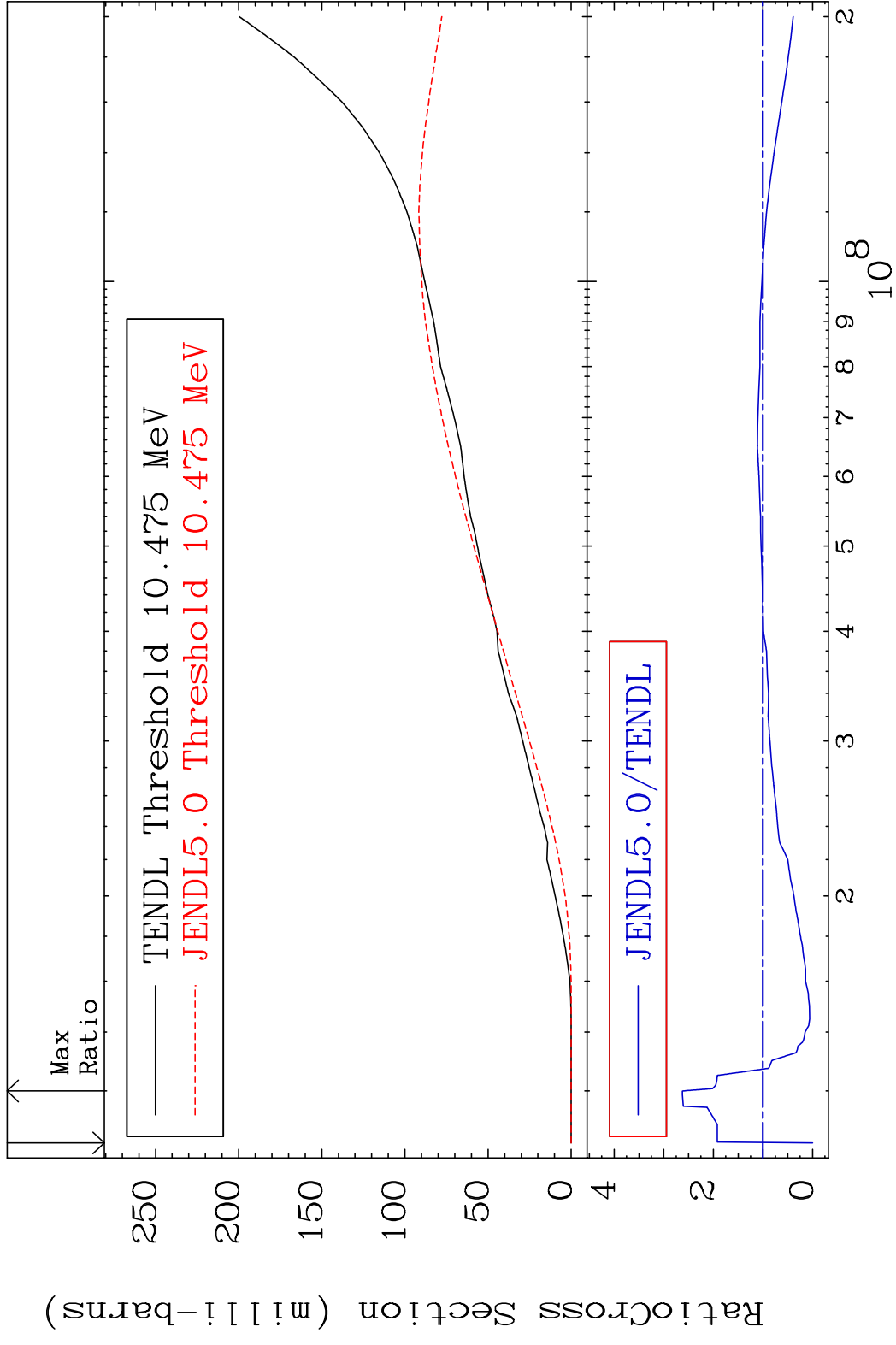


MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
 Cross Section -99.92 To 9999. %

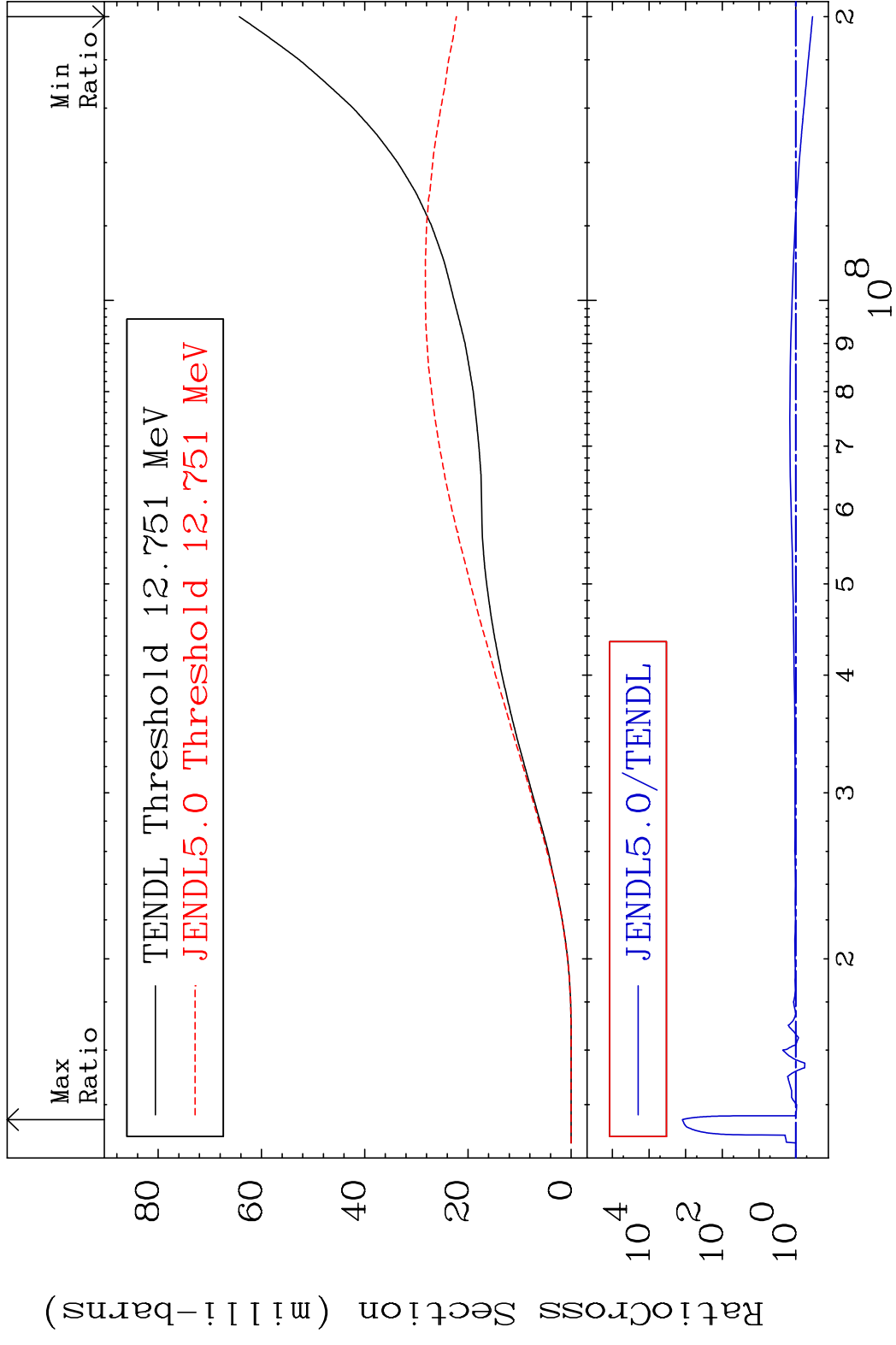


35 Incident Energy (eV) 28-Ni-64

MAT 2843 Deuterium Production ²⁸Ni-64
 Cross Section -100.0 To 162.5 %



MAT 2843 Tritium Production 28-Ni-64
 Cross Section -65.42 To 9999. %

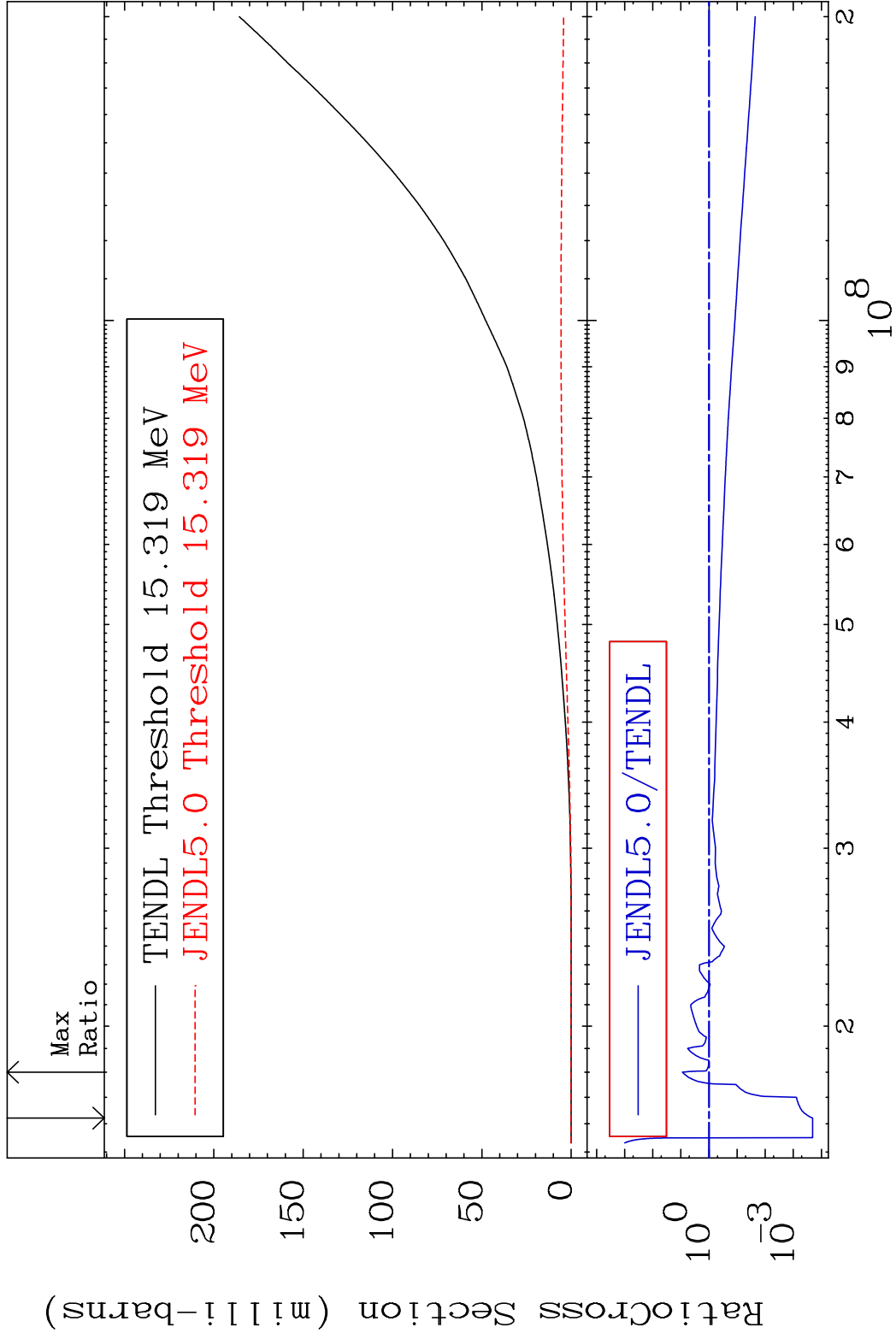


MAT 2843

He-3 Production

²⁸Ni-64

Cross Section -99.98 To 786.3 %



38

Incident Energy (eV)

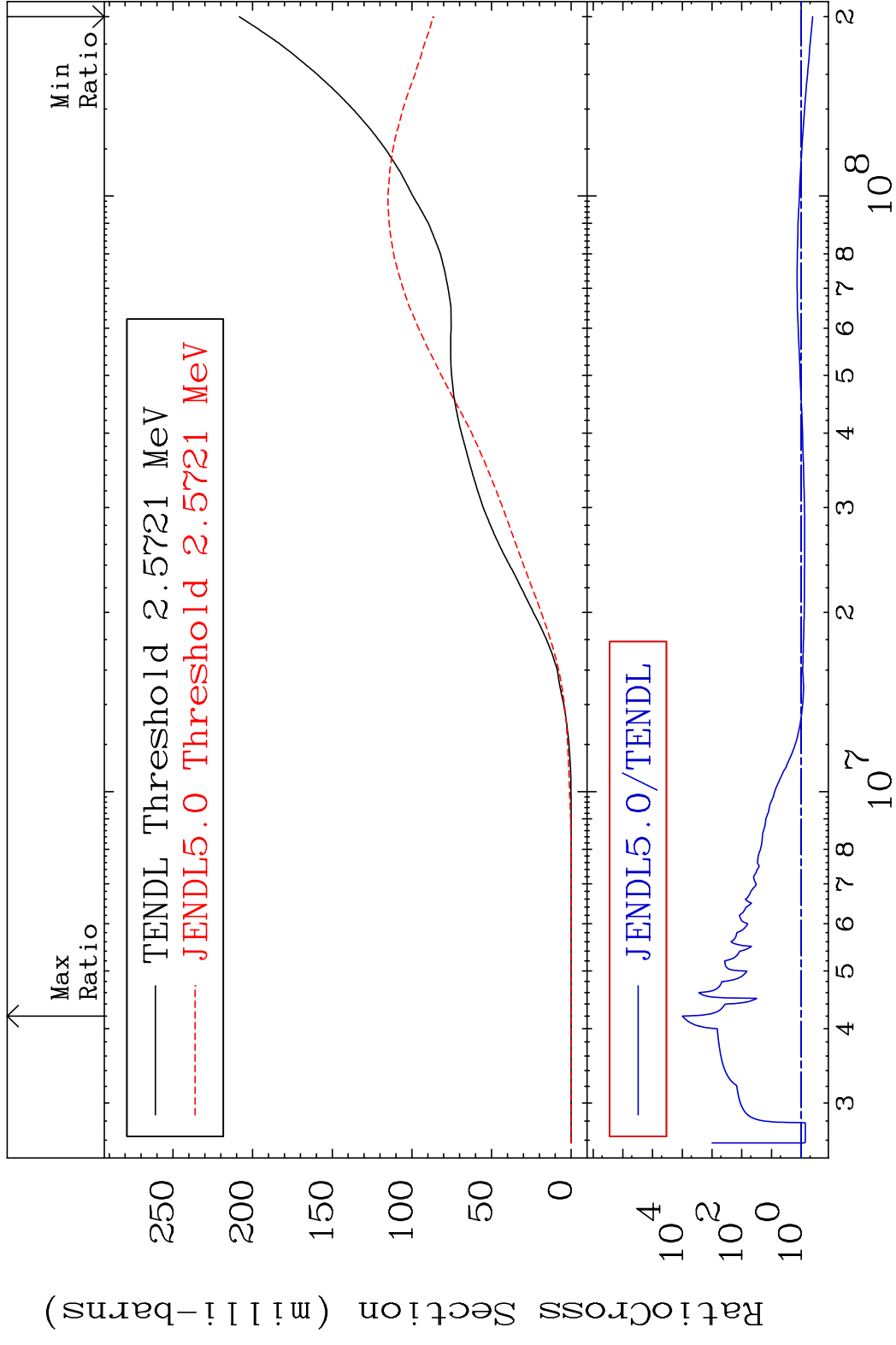
²⁸Ni-64

MAT 2843

He-4 Production

28-Ni-64

Cross Section -58.39 To 9999. %

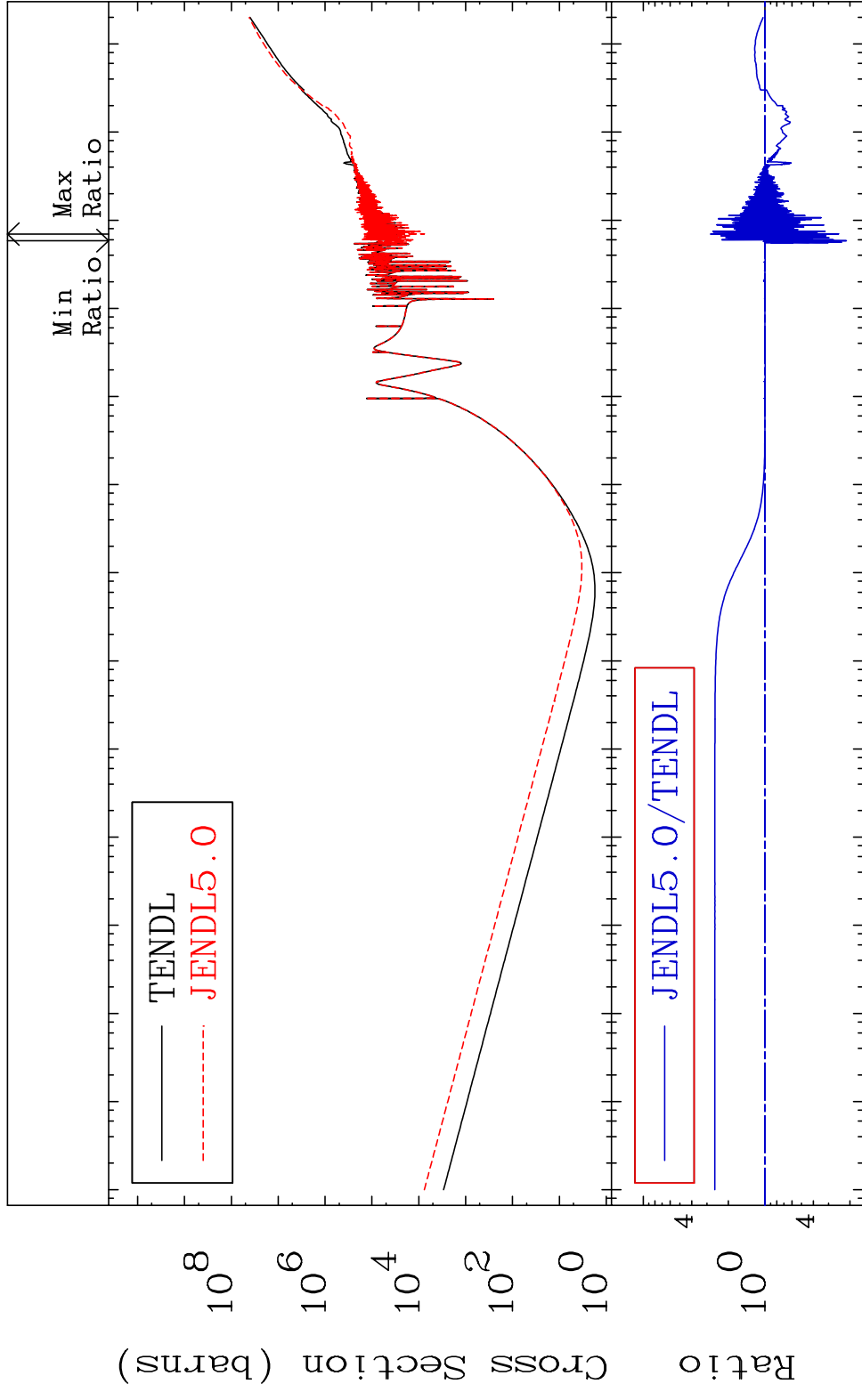


39

Incident Energy (eV)

28-Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64
 Cross Section -78.55 To 178.9 %

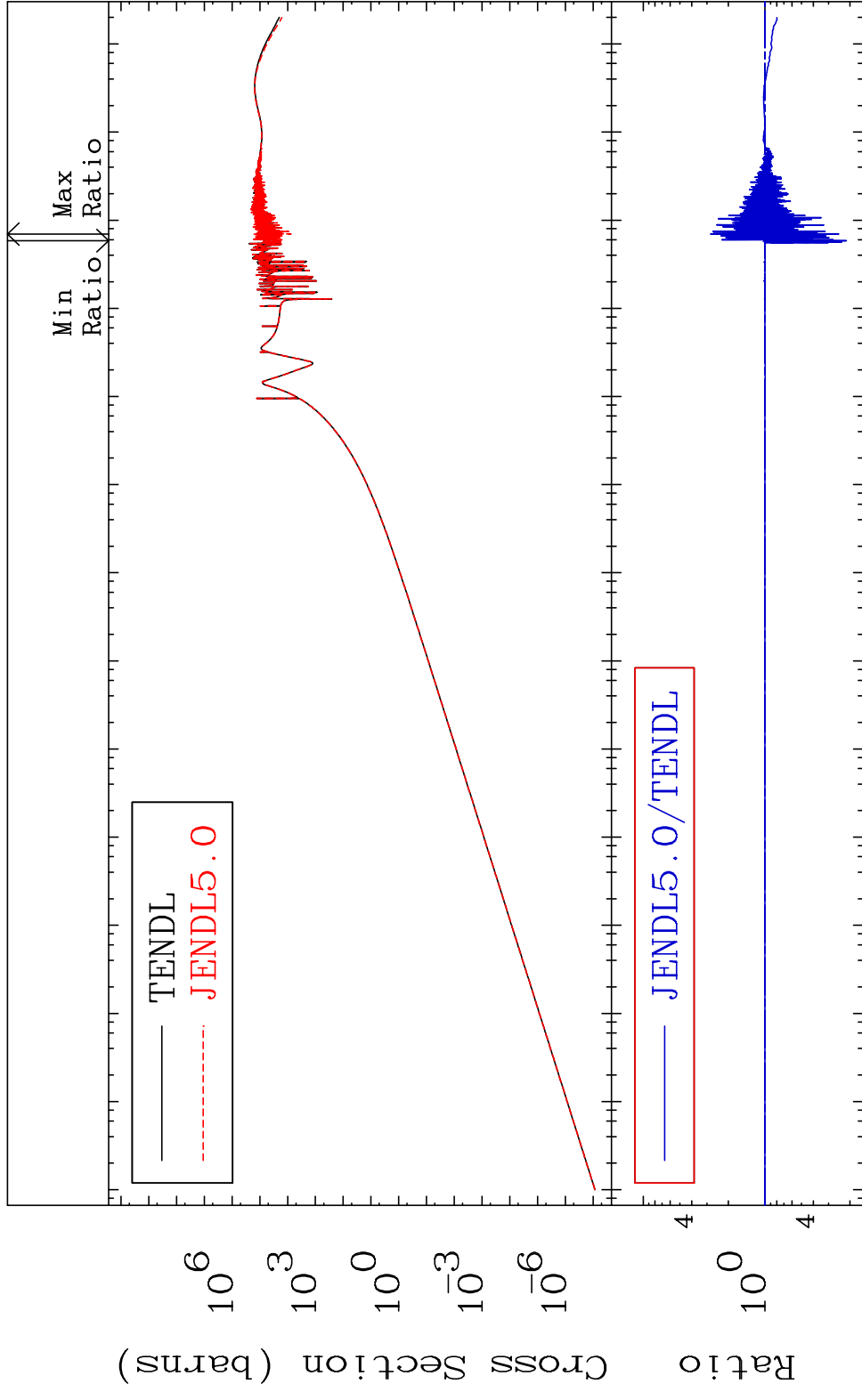


40 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic
Cross Section

28-Ni-64
-78.55 To 178.9 %

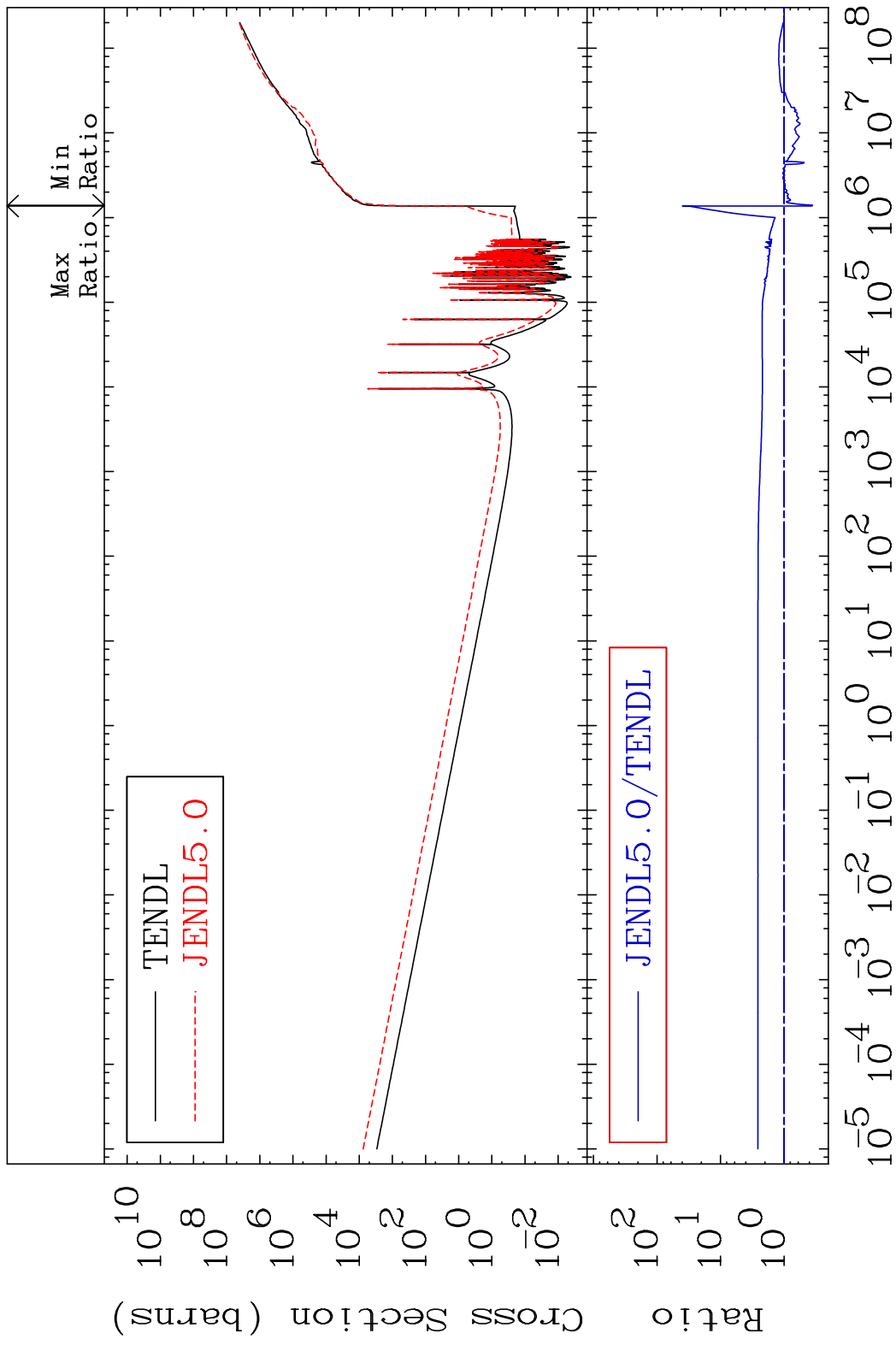


41

Incident Energy (eV)

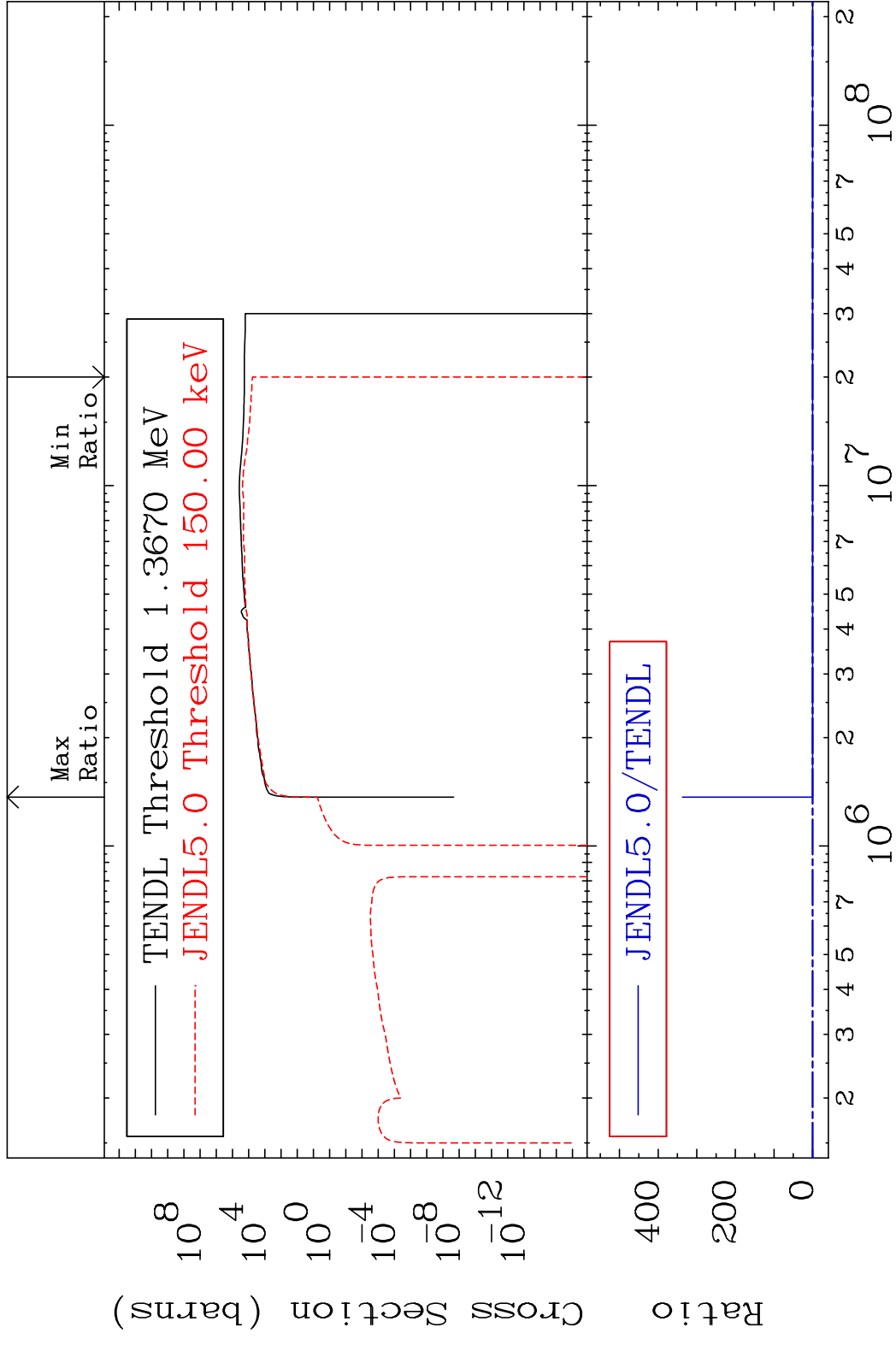
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
Cross Section -64.30 To 3887. %

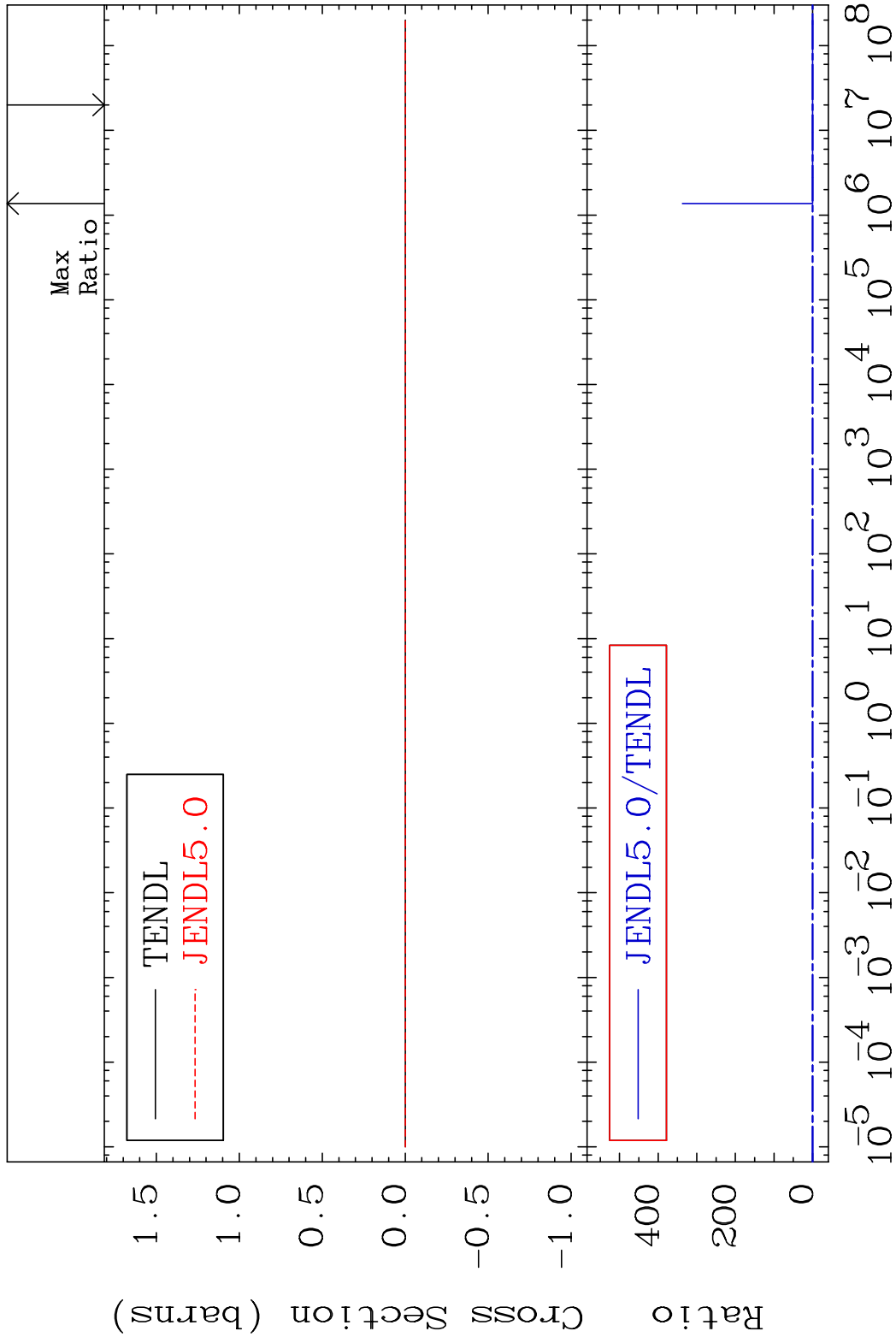


42 Incident Energy (eV) 28-Ni-64

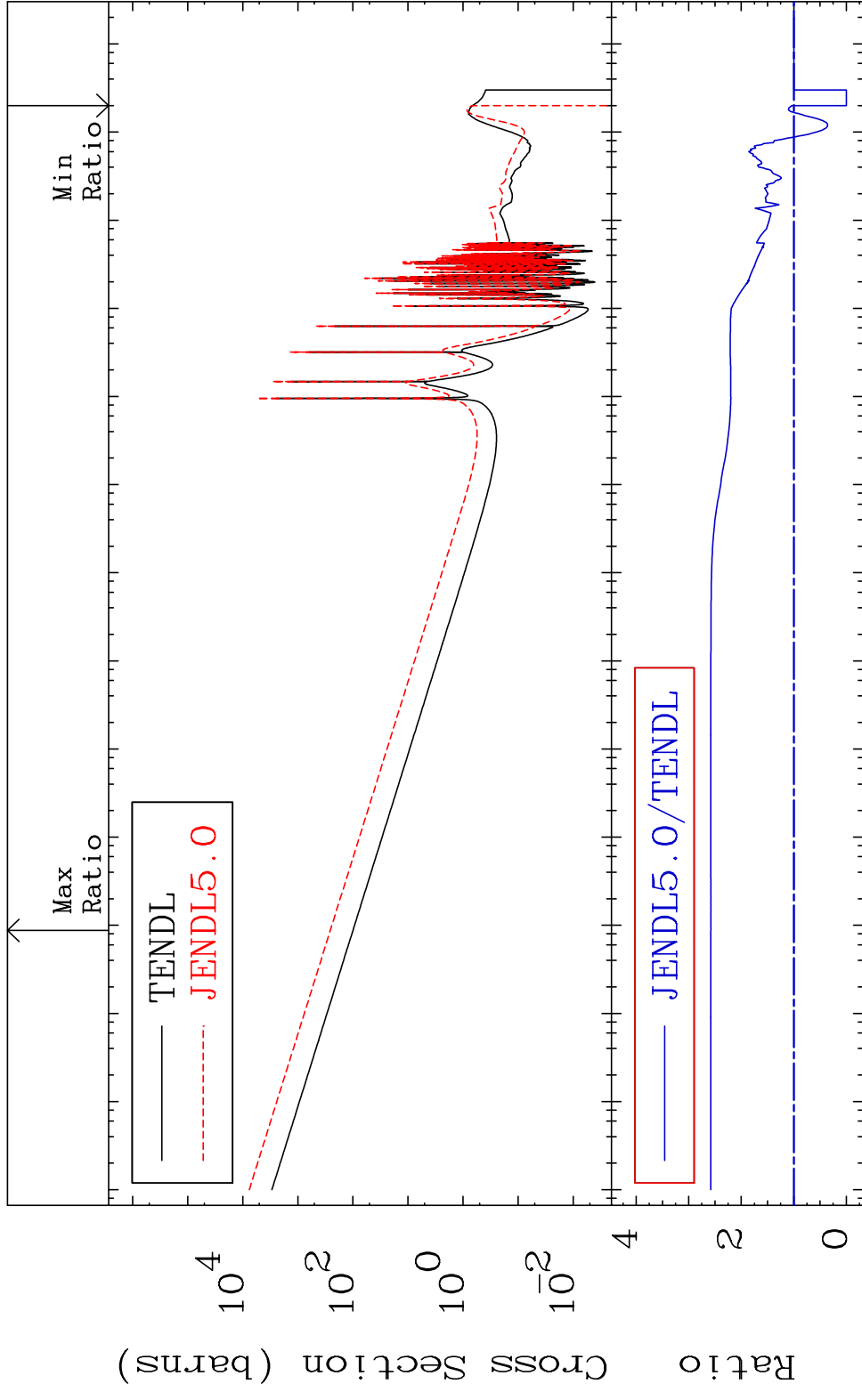
MAT 2843 Kerma inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 9999. %



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

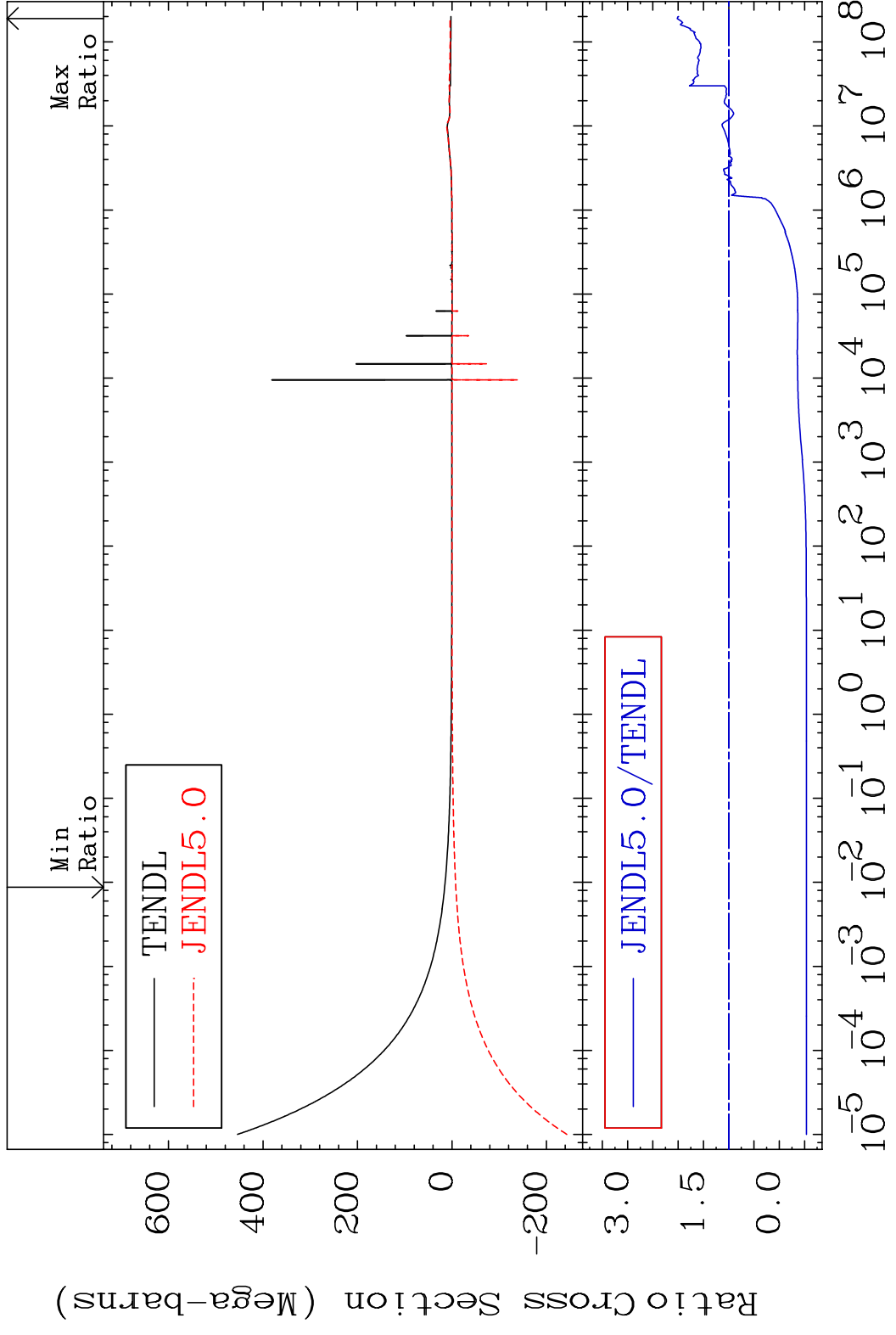


MAT 2843 Kerma capture (mt102) 28-Ni-64
Cross Section -100.0 To 158.1 %



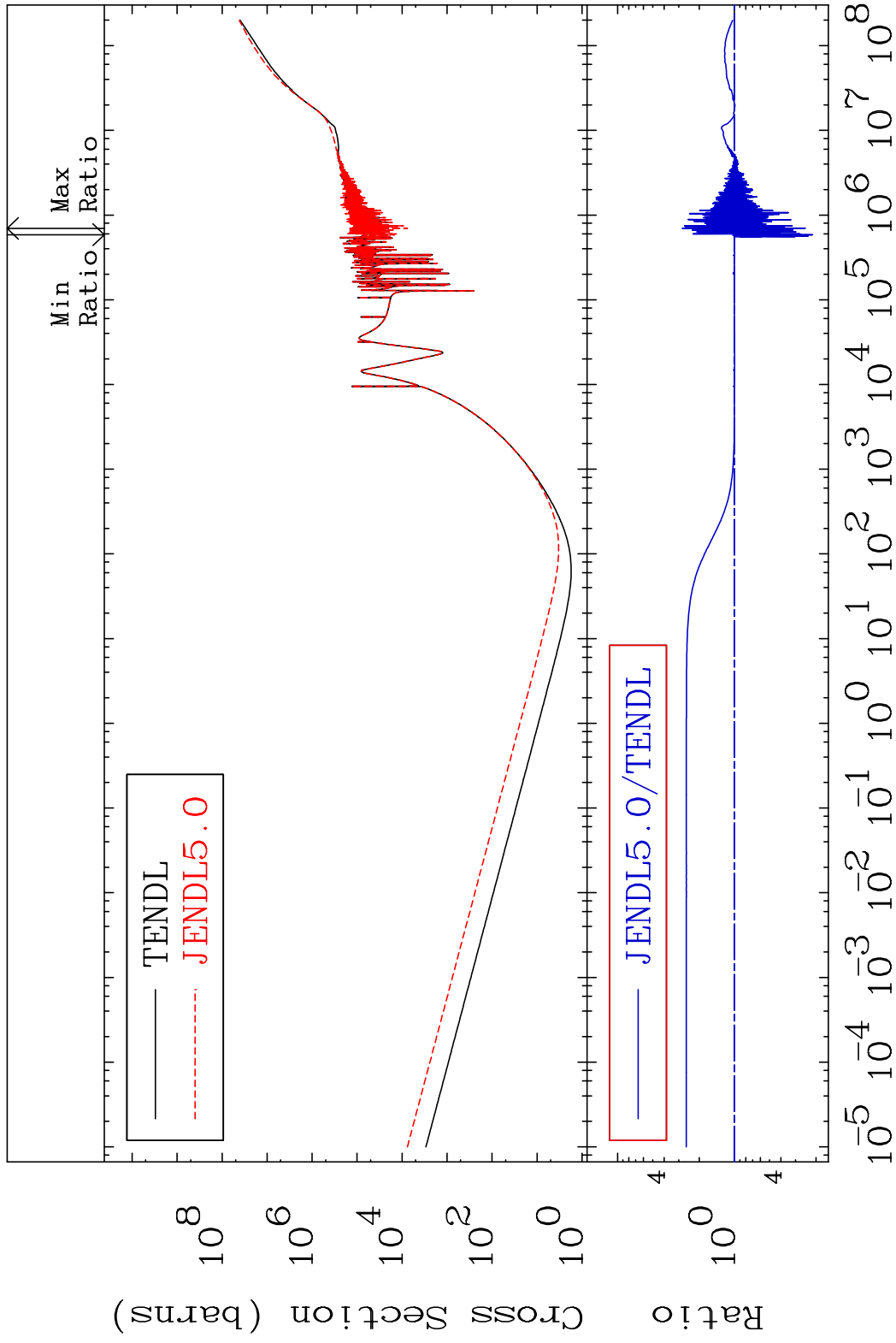
45 Incident Energy (eV) 28-Ni-64

MAT 2843 Total photon (eV-barns) 28-Ni-64
 Cross Section -153.6 To 101.9 %

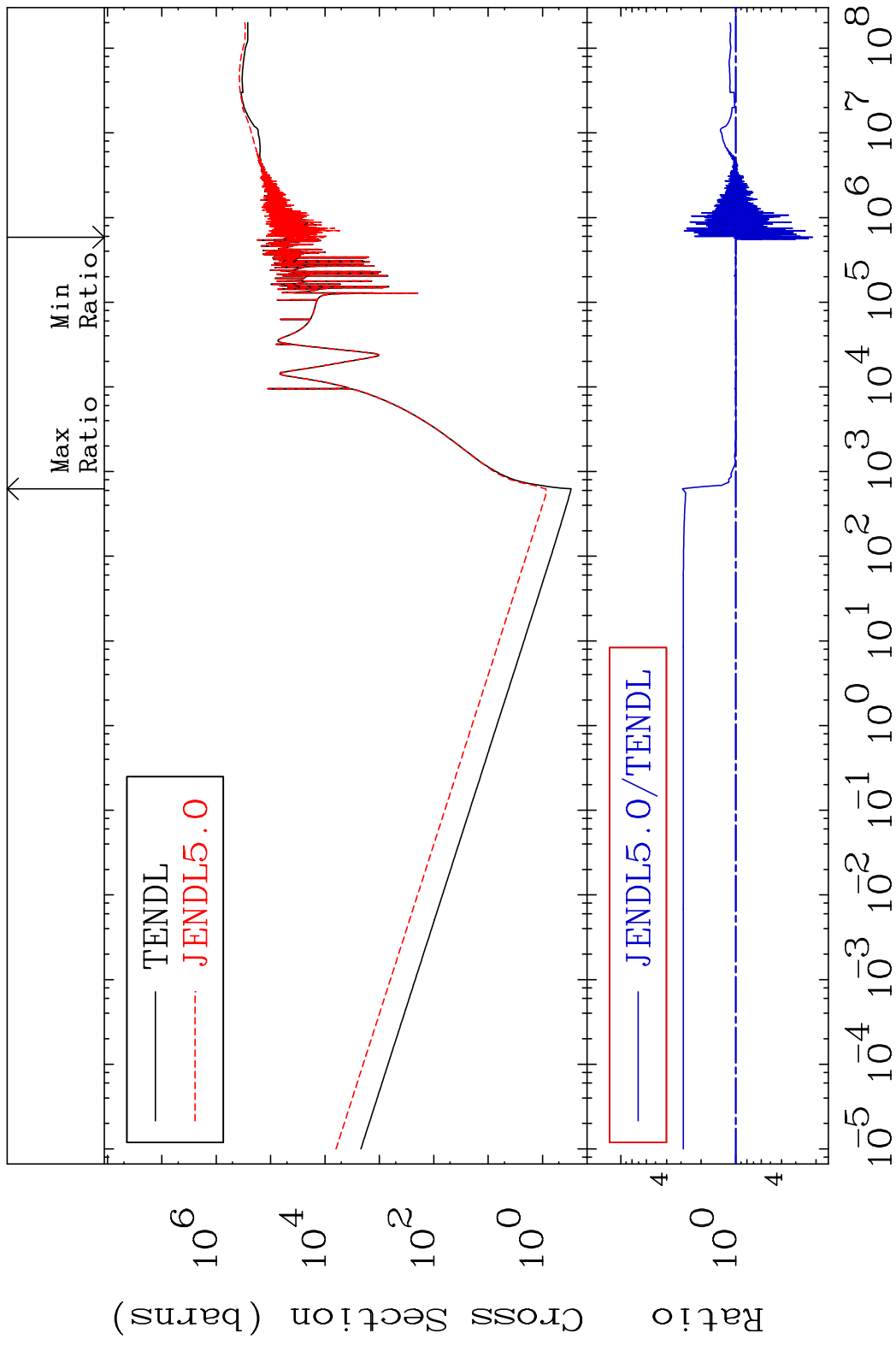


46 Incident Energy (eV) 28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
 Cross Section -78.55 To 178.9 %



MAT 2843 Dpa total (eV-barns) 28-Ni-64
Cross Section -78.54 To 191.7 %



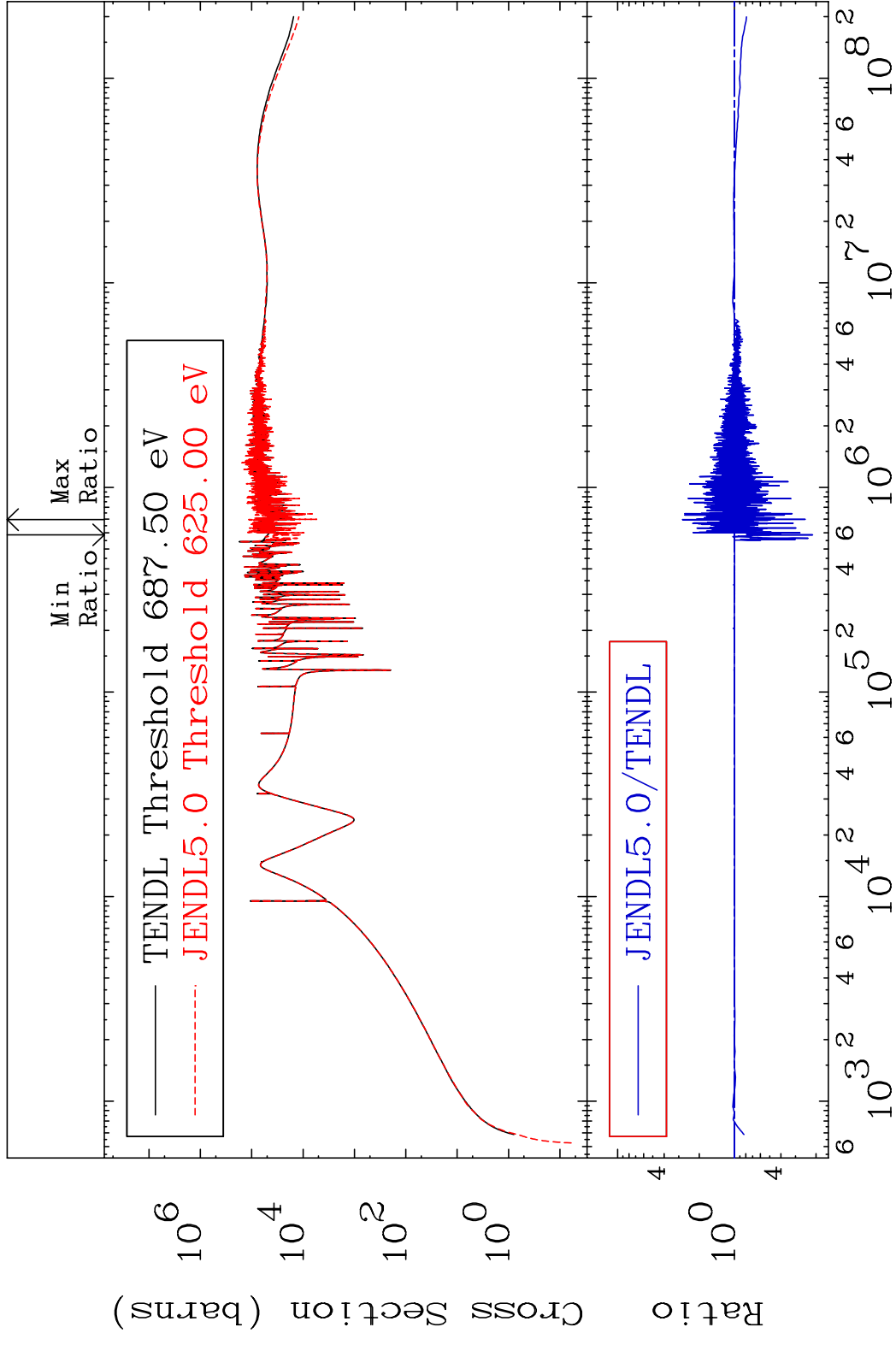
48 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -78.54 To 179.3 %

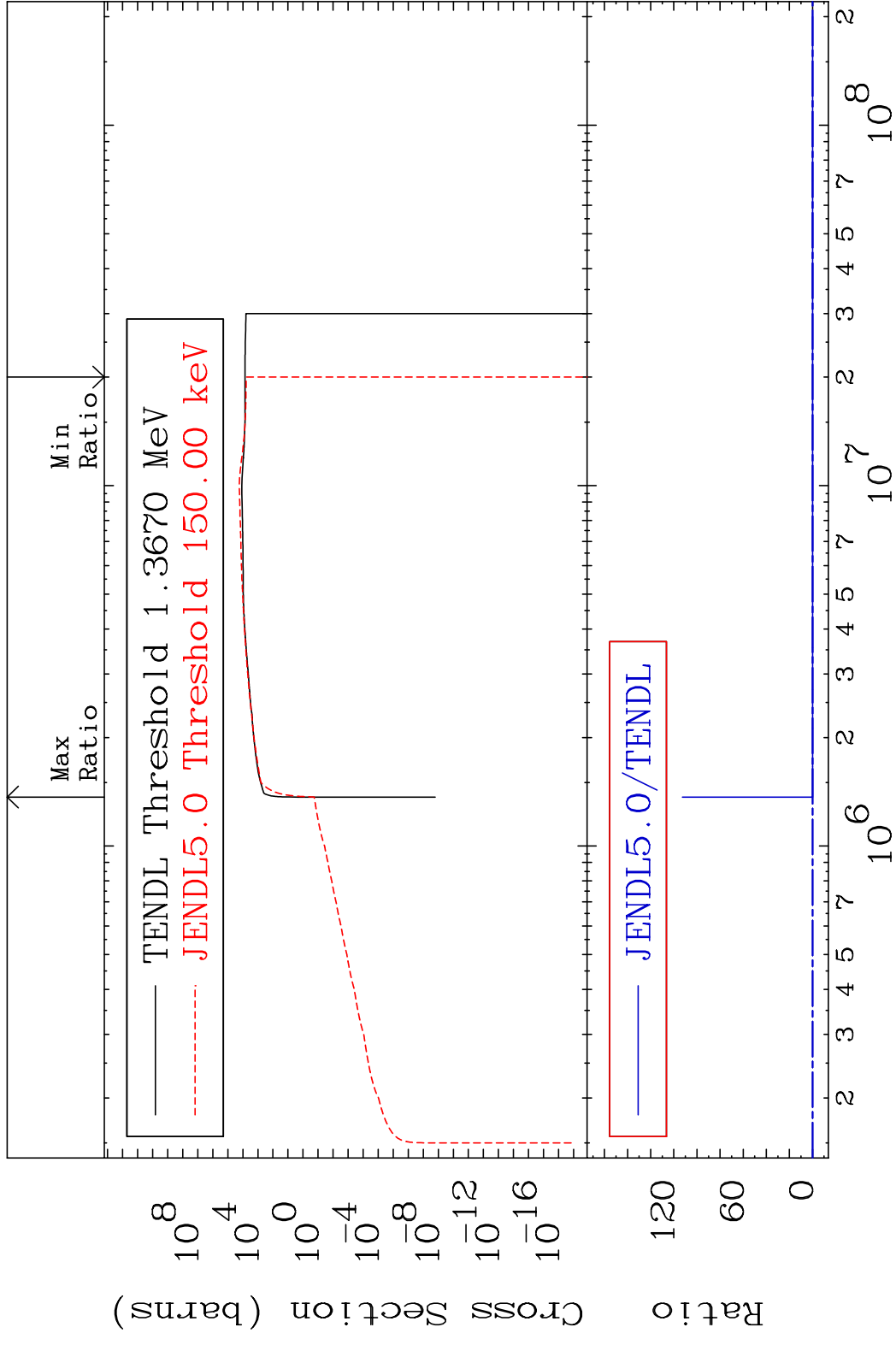


49

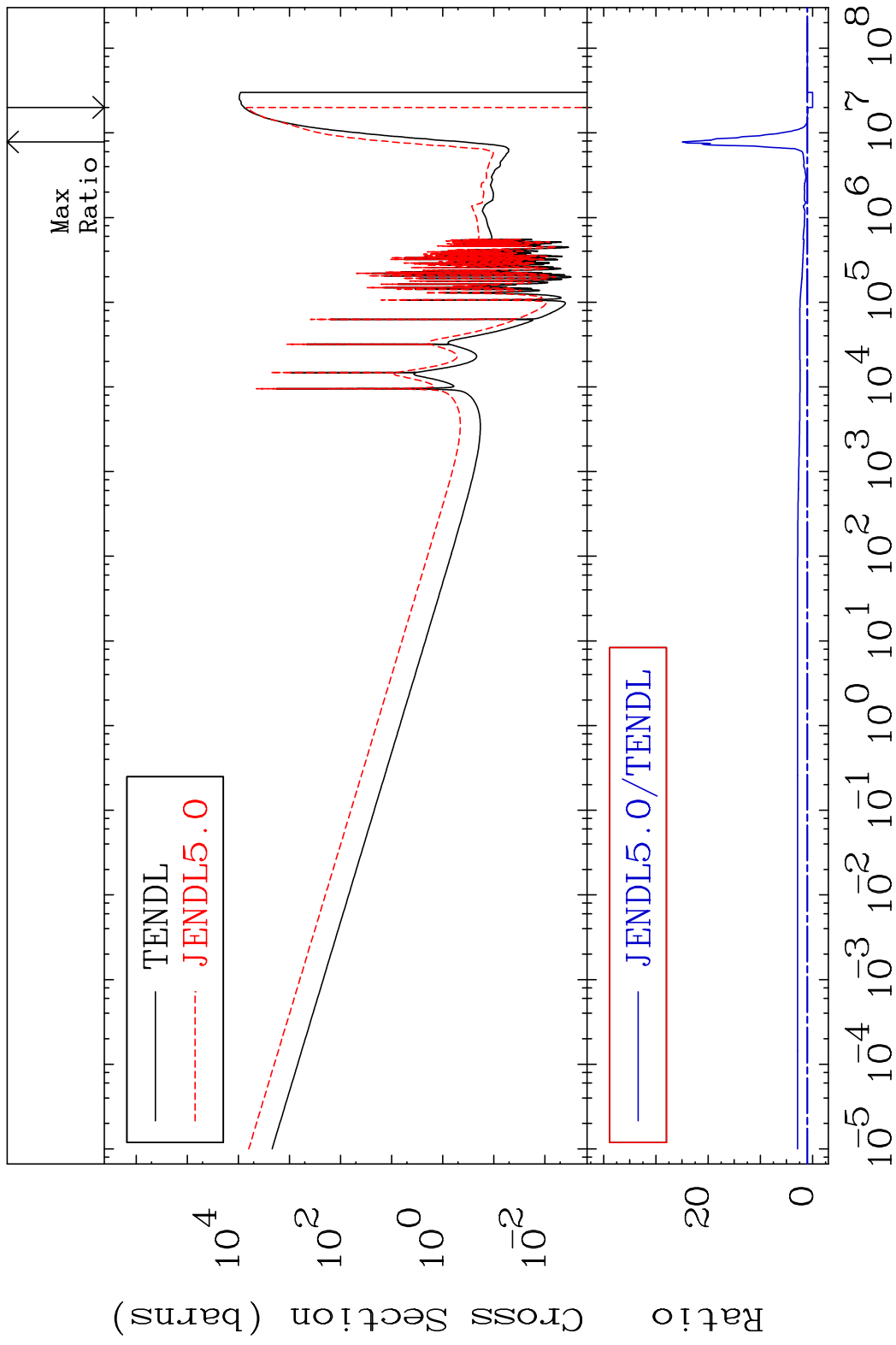
Incident Energy (eV)

28-Ni-64

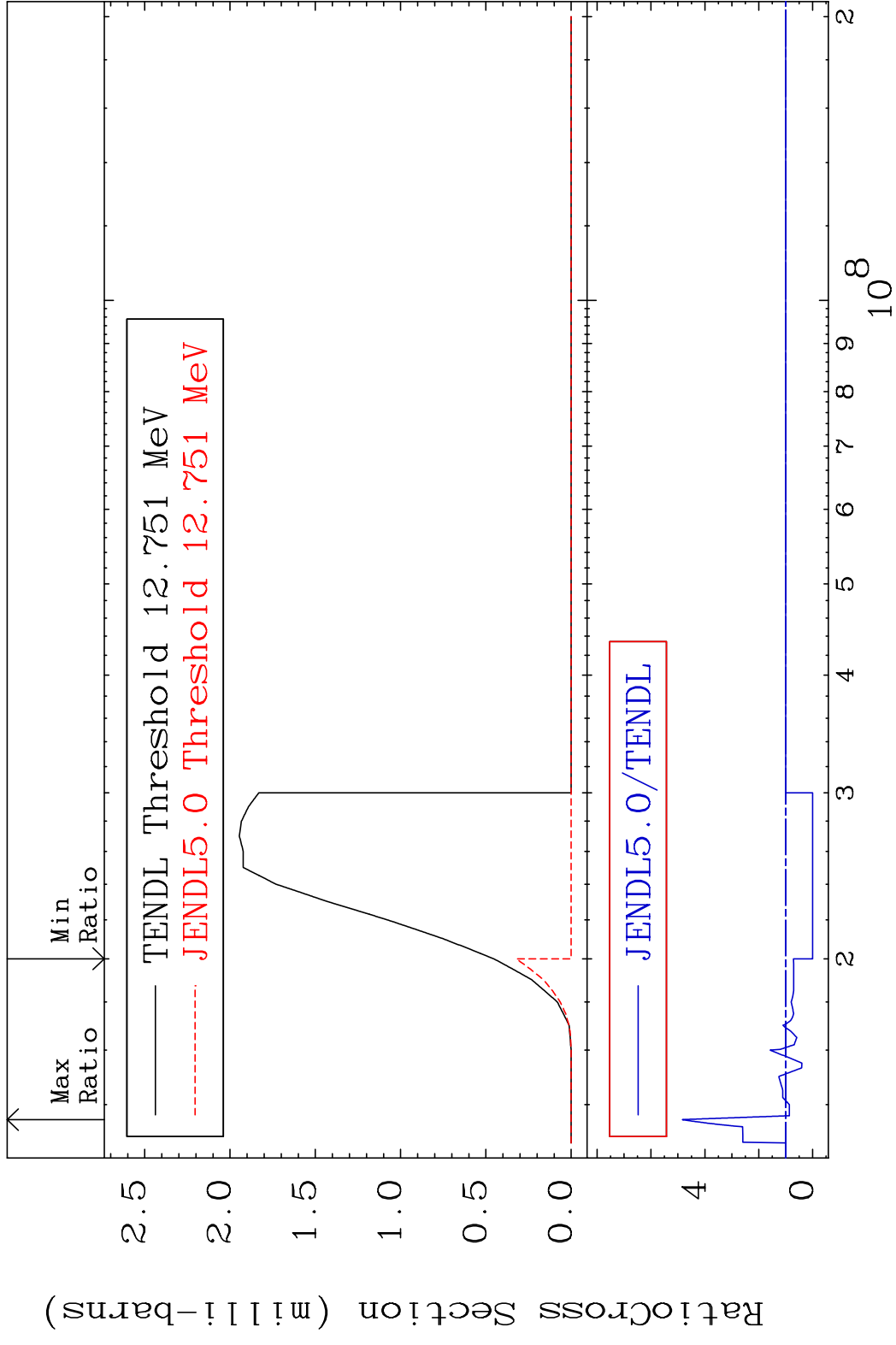
MAT 2843 Dpa inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 9999. %

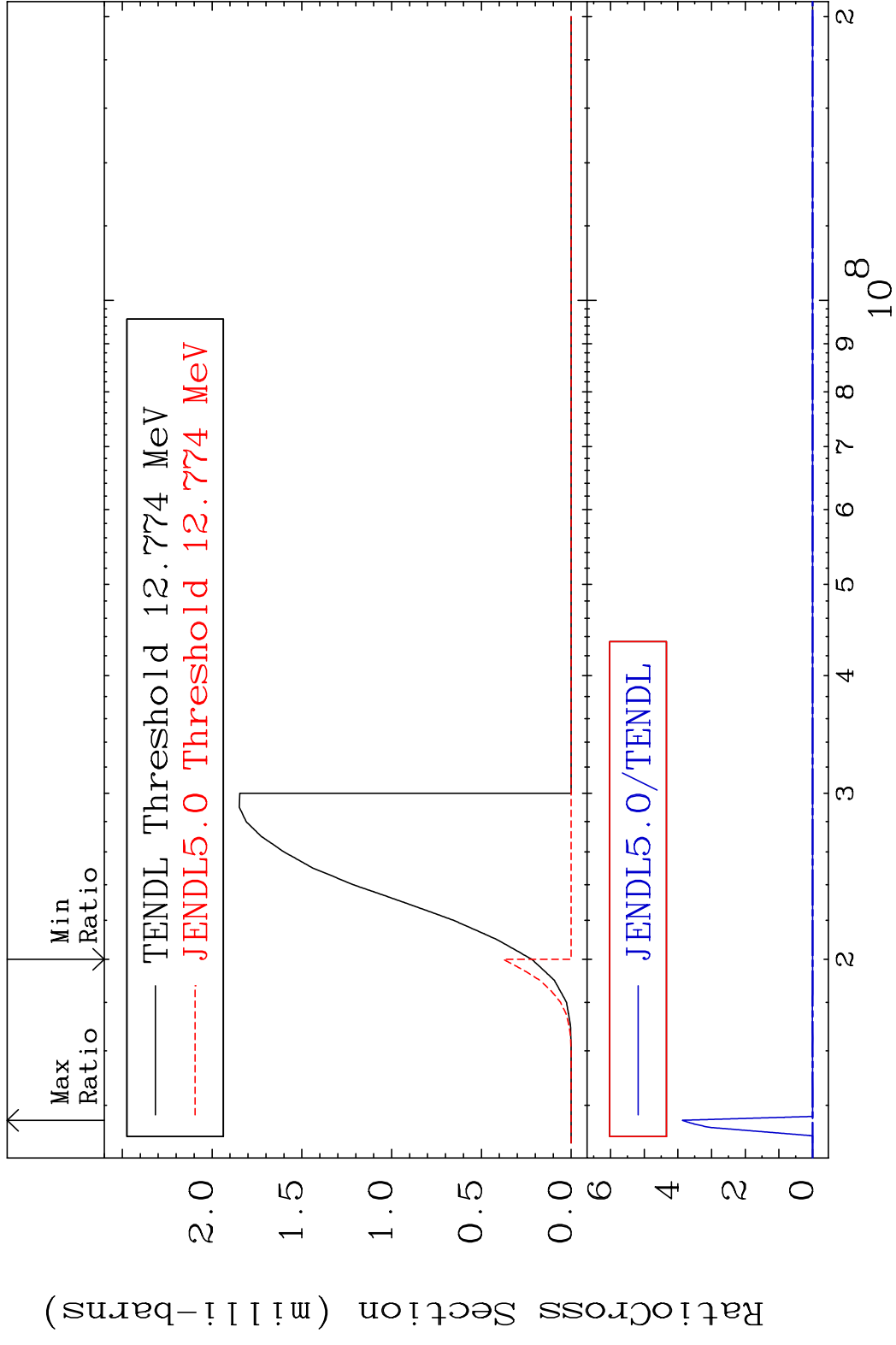


MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
Cross Section -100.0 To 2393. %



MAT 2843 (n, t): 27-Co-62g 28-Ni-64
 Radionuclide Production Cross Section 180.0 mb 383.6 %



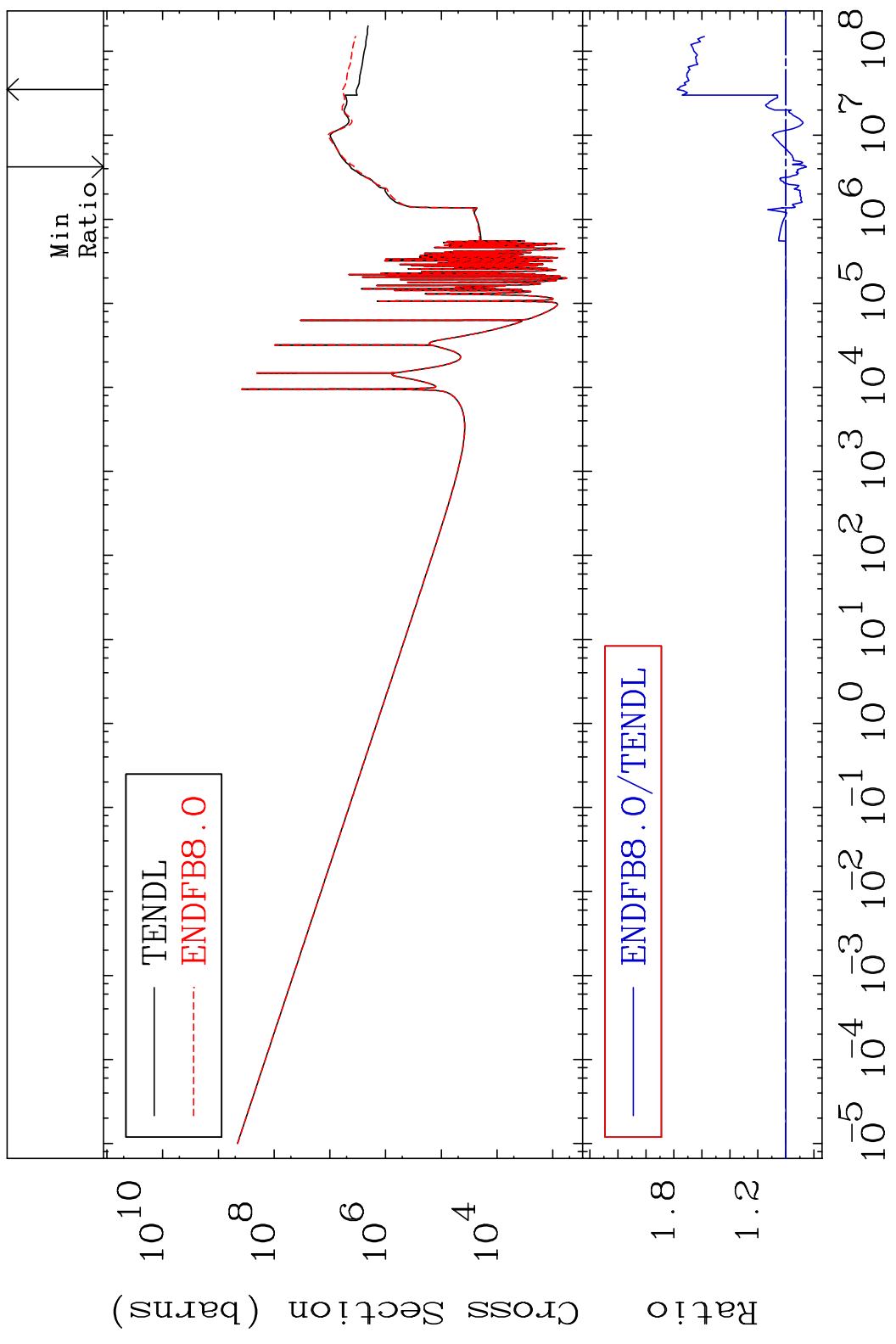


MAT 2843

Total photon (eV-barns)

28-Ni-64

Cross Section -14.66 To 77.66 %

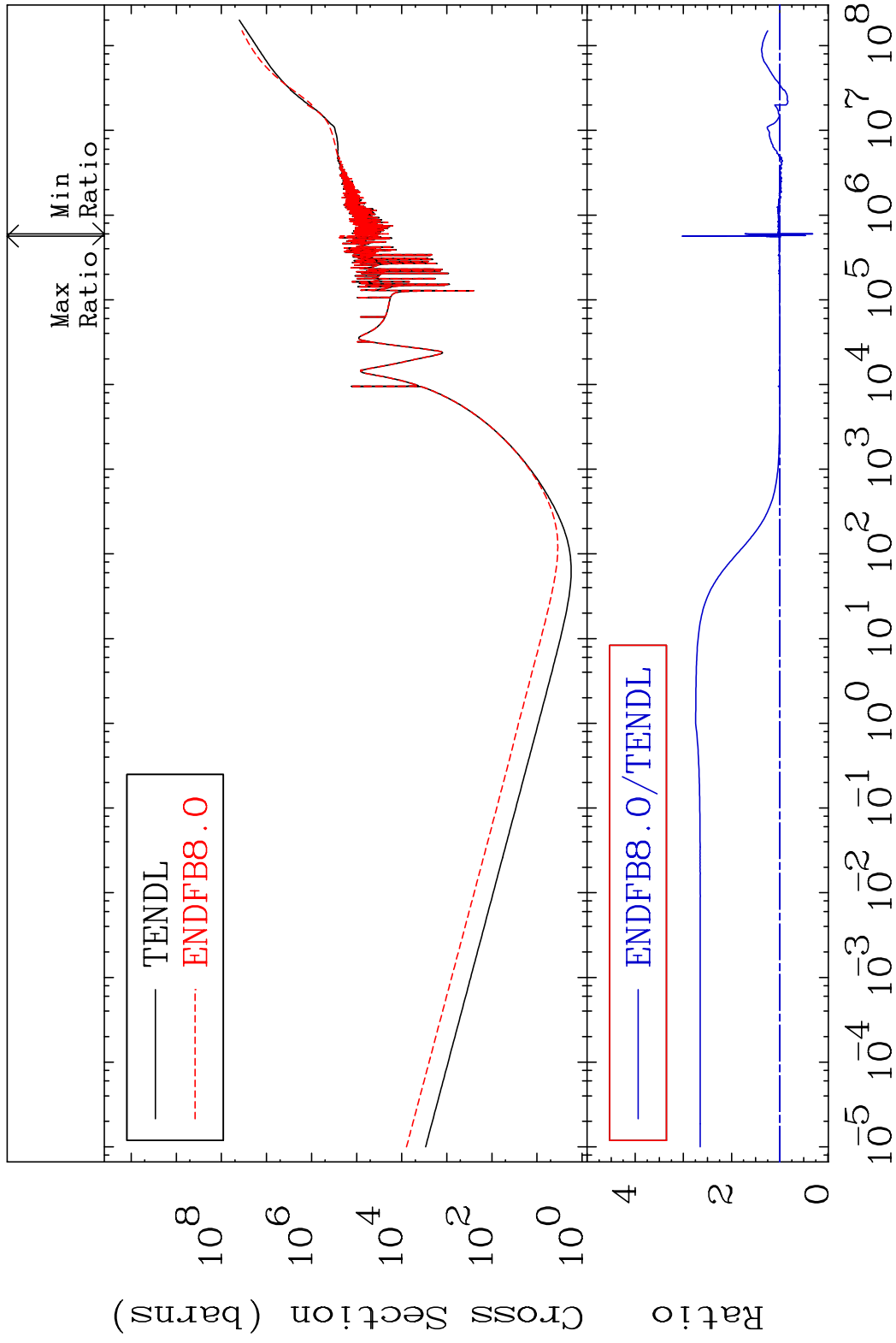


54

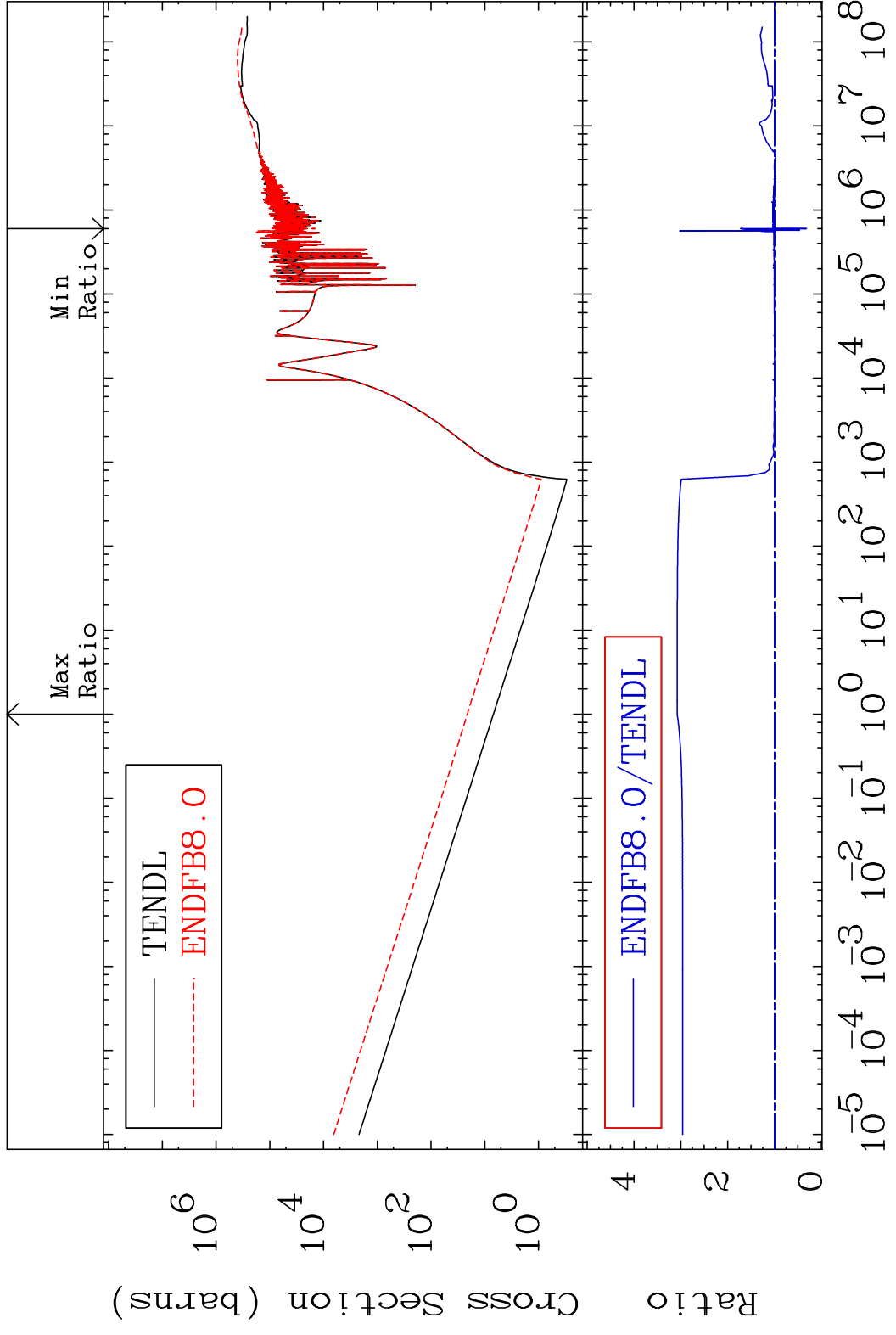
Incident Energy (eV)

28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
 Cross Section -68.21 To 202.1 %



MAT 2843 Dpa total (eV-barns) 28-Ni-64
 Cross Section -68.23 To 207.7 %



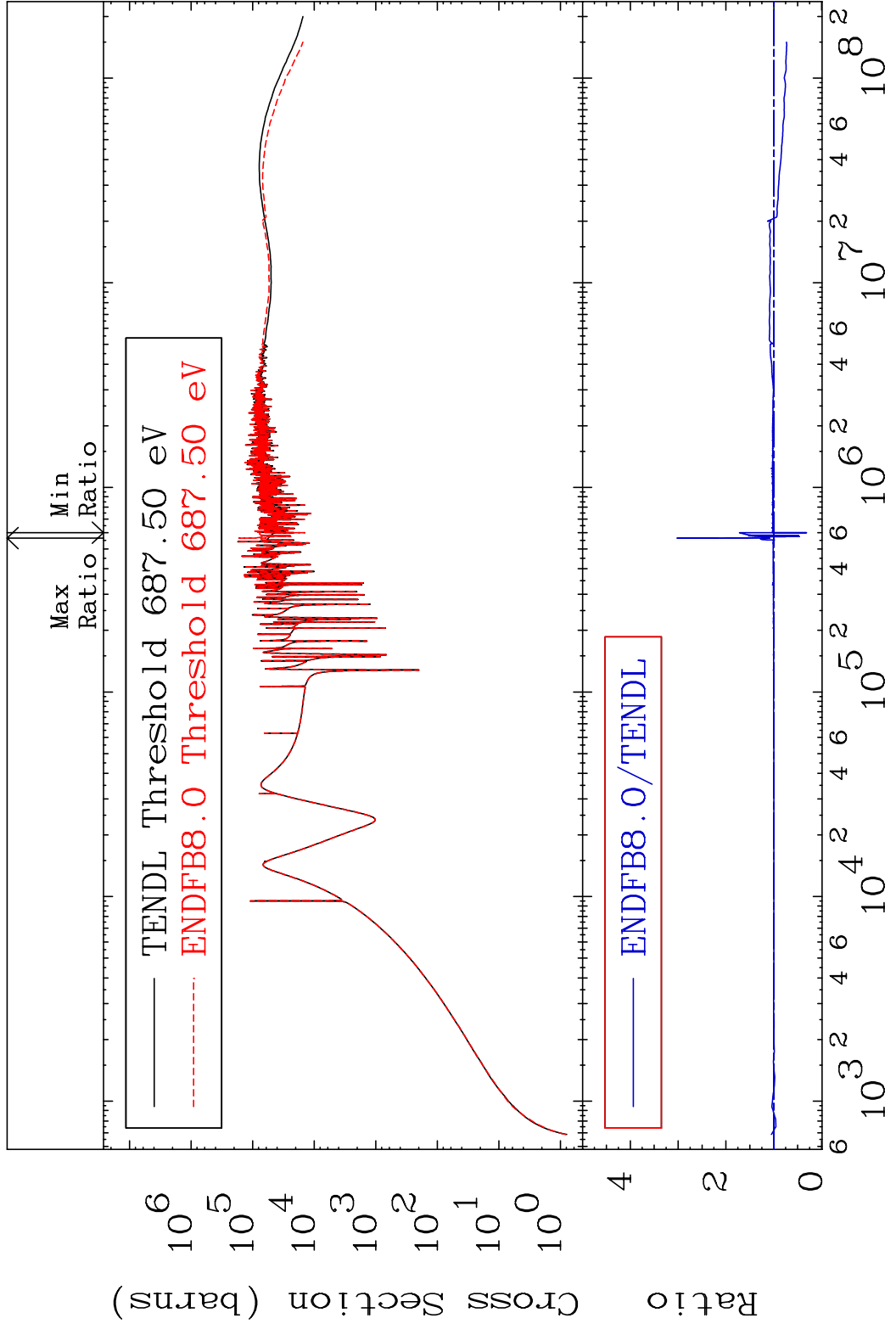
MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section

-68.23 To 201.9 %

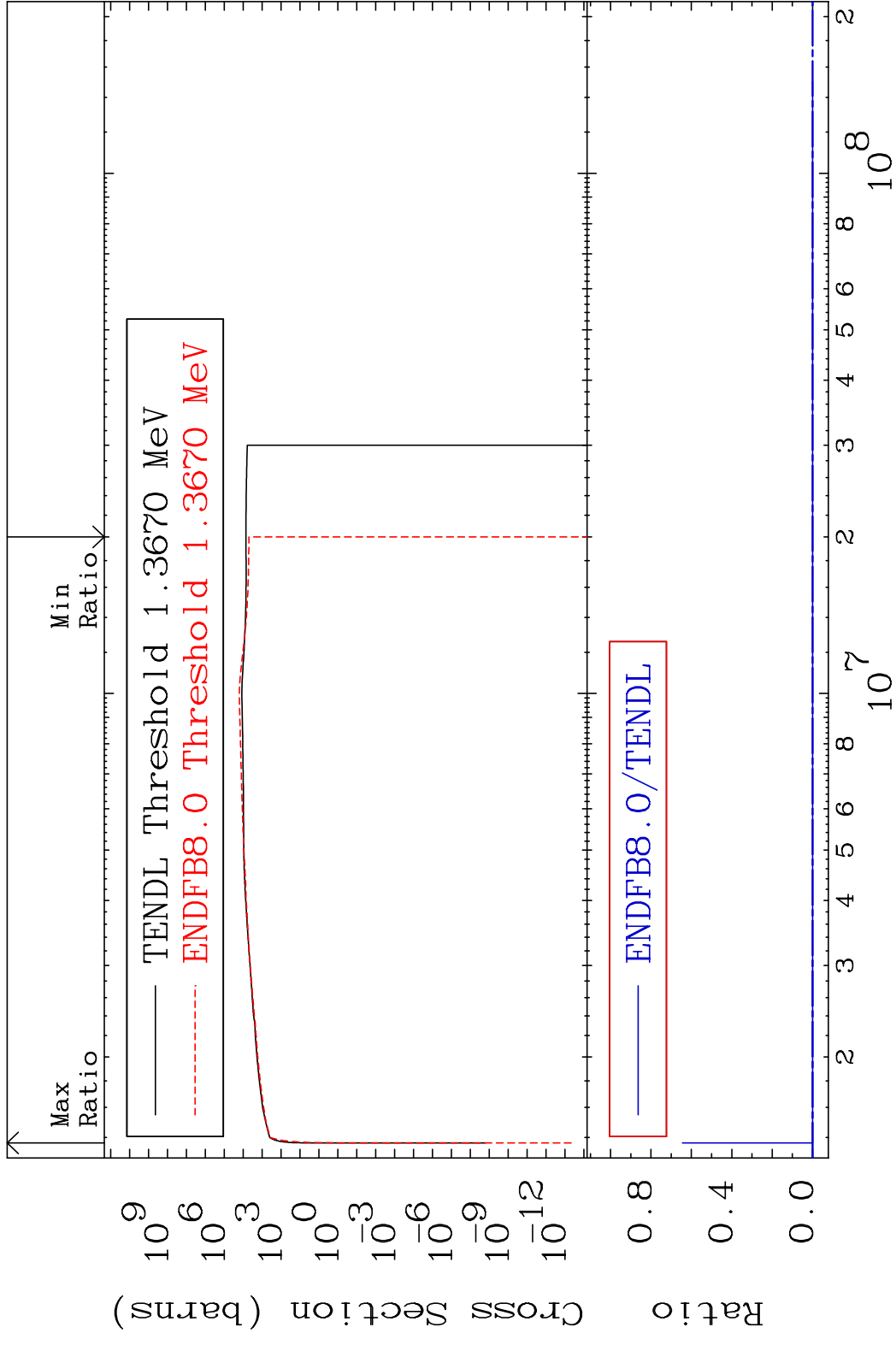


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Incident Energy (eV)

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 207.7 %

