

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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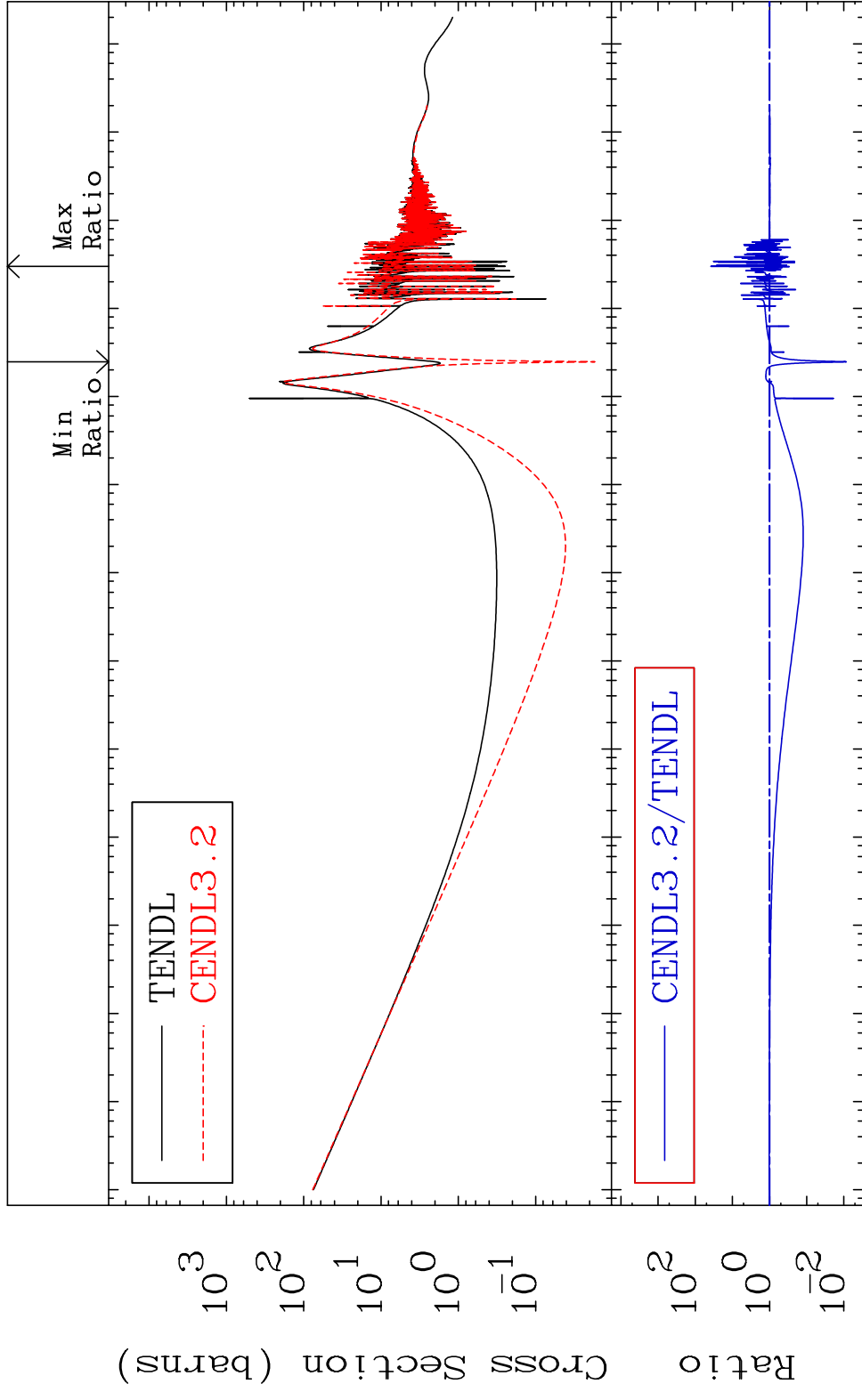
U.S.A.

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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2843 Total 28-Ni-64
 Cross Section -99.14 To 3733. %



1 Incident Energy (eV) 28-Ni-64

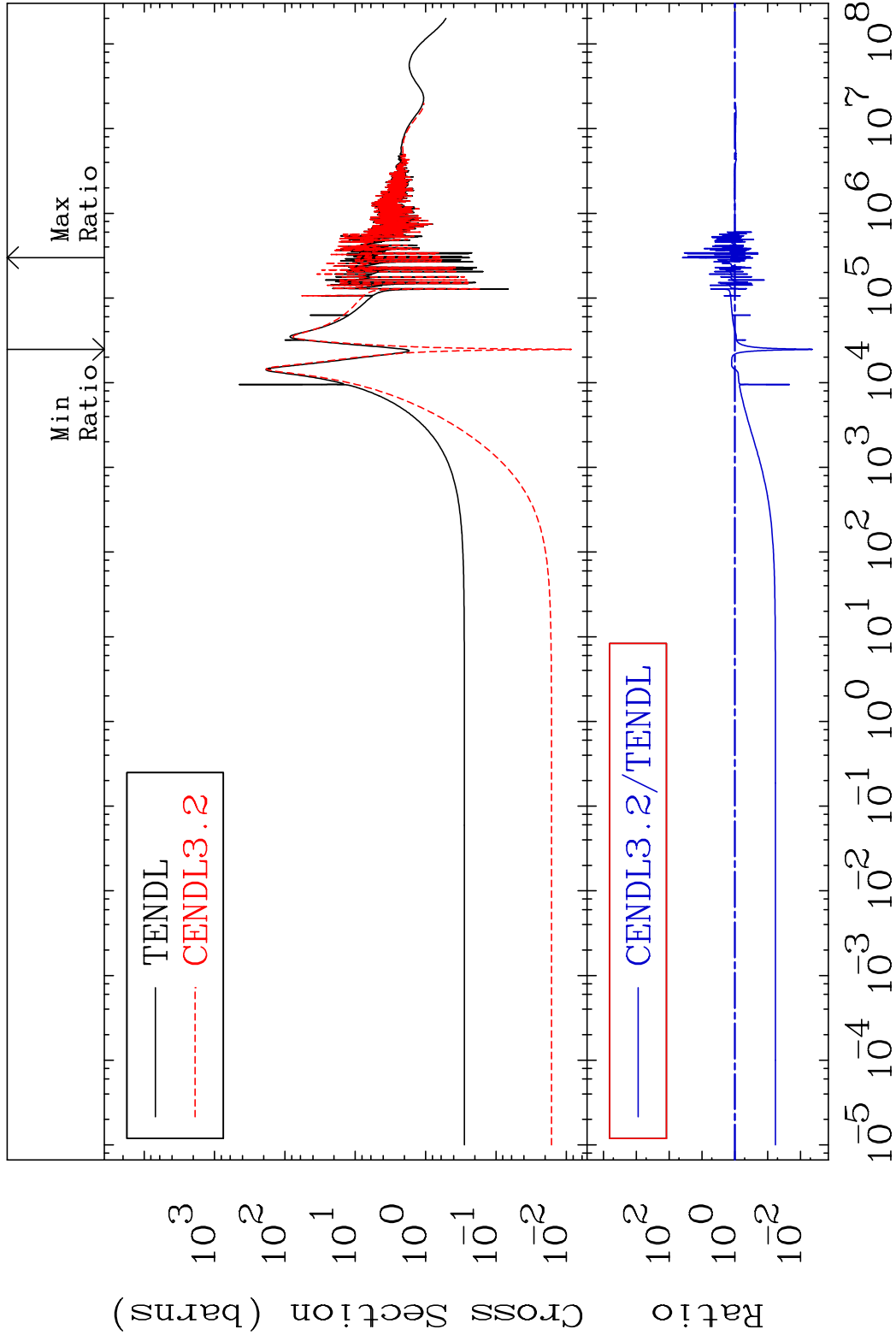
MAT 2843

Elastic

28-Ni-64

Cross Section

-99.57 To 3860. %

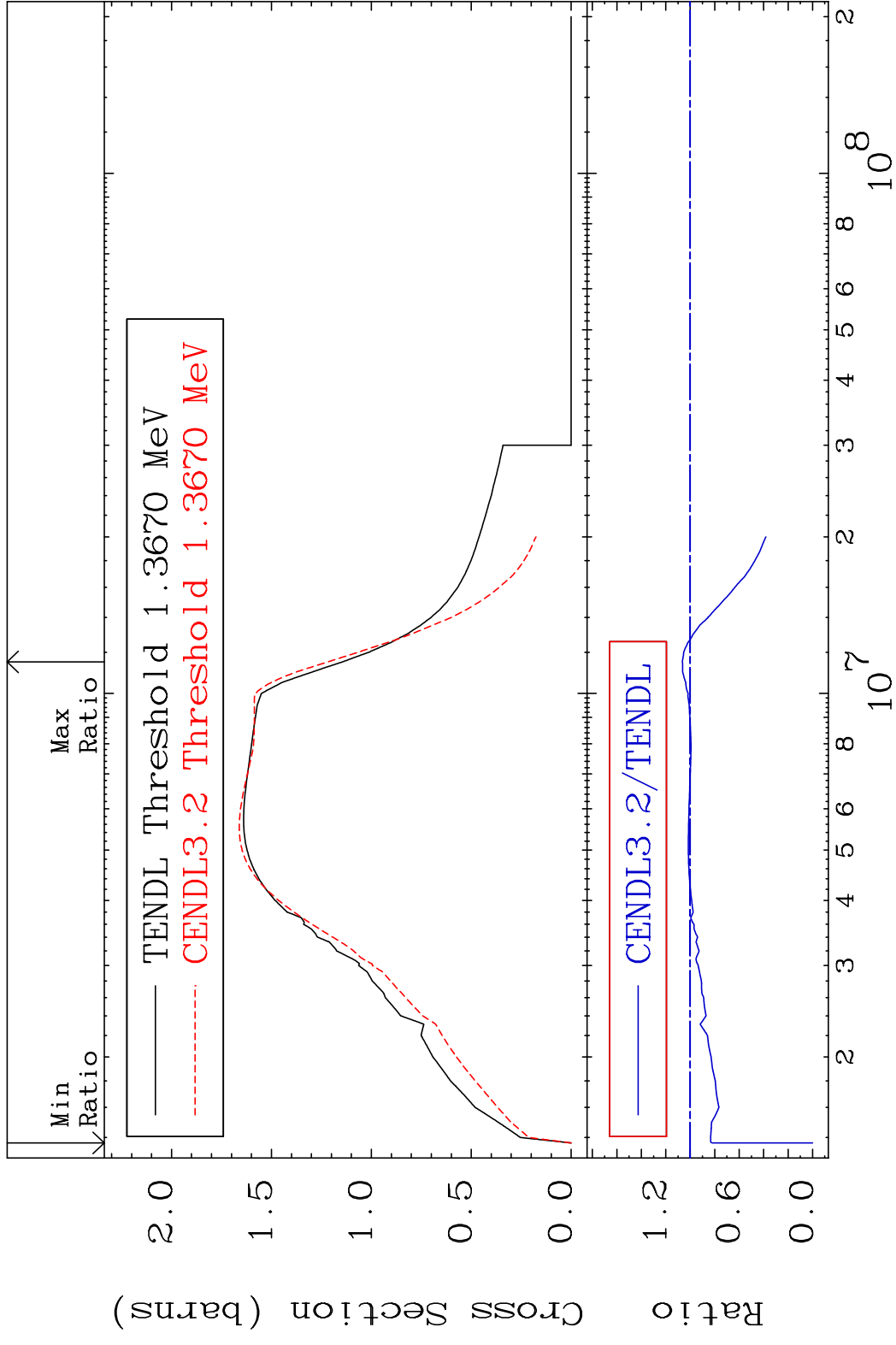


2

Incident Energy (eV)

28-Ni-64

MAT 2843 Inelastic 28-Ni-64
 Cross Section -100.0 To 6.450 %

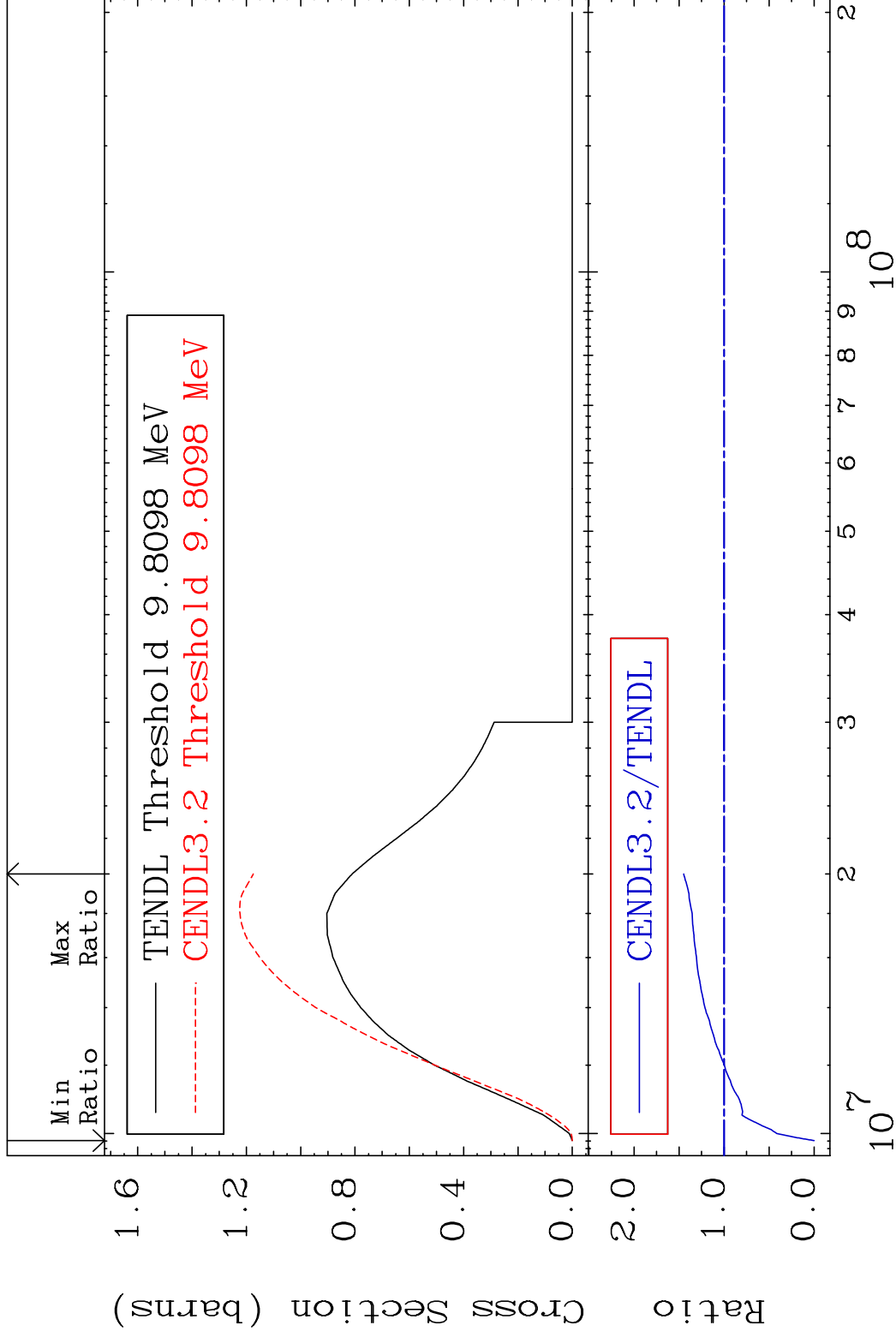


MAT 2843

(n,2n)

28-Ni-64

Cross Section -100.0 To 44.86 %



28-Ni-64

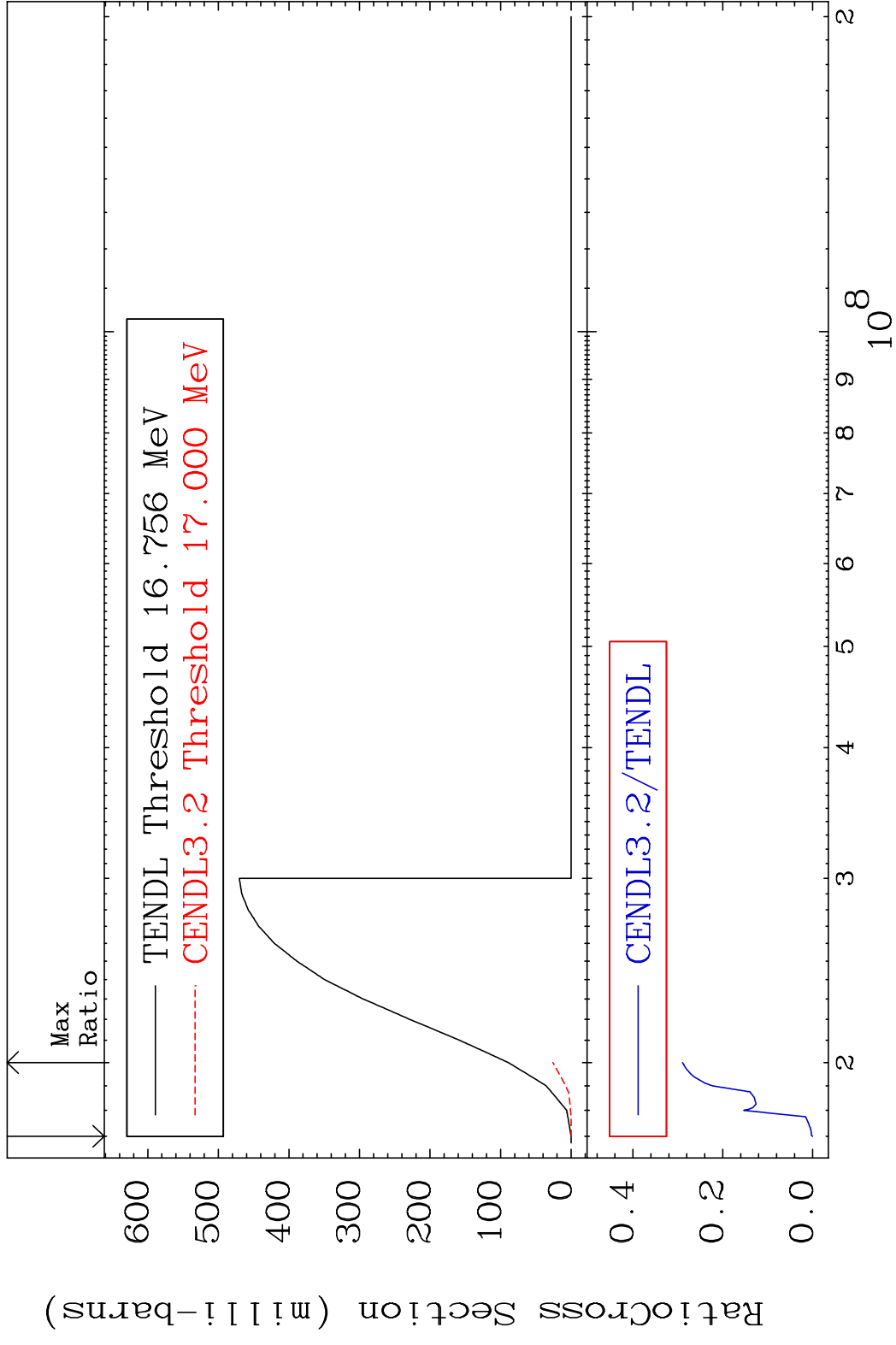
Incident Energy (eV)

MAT 2843

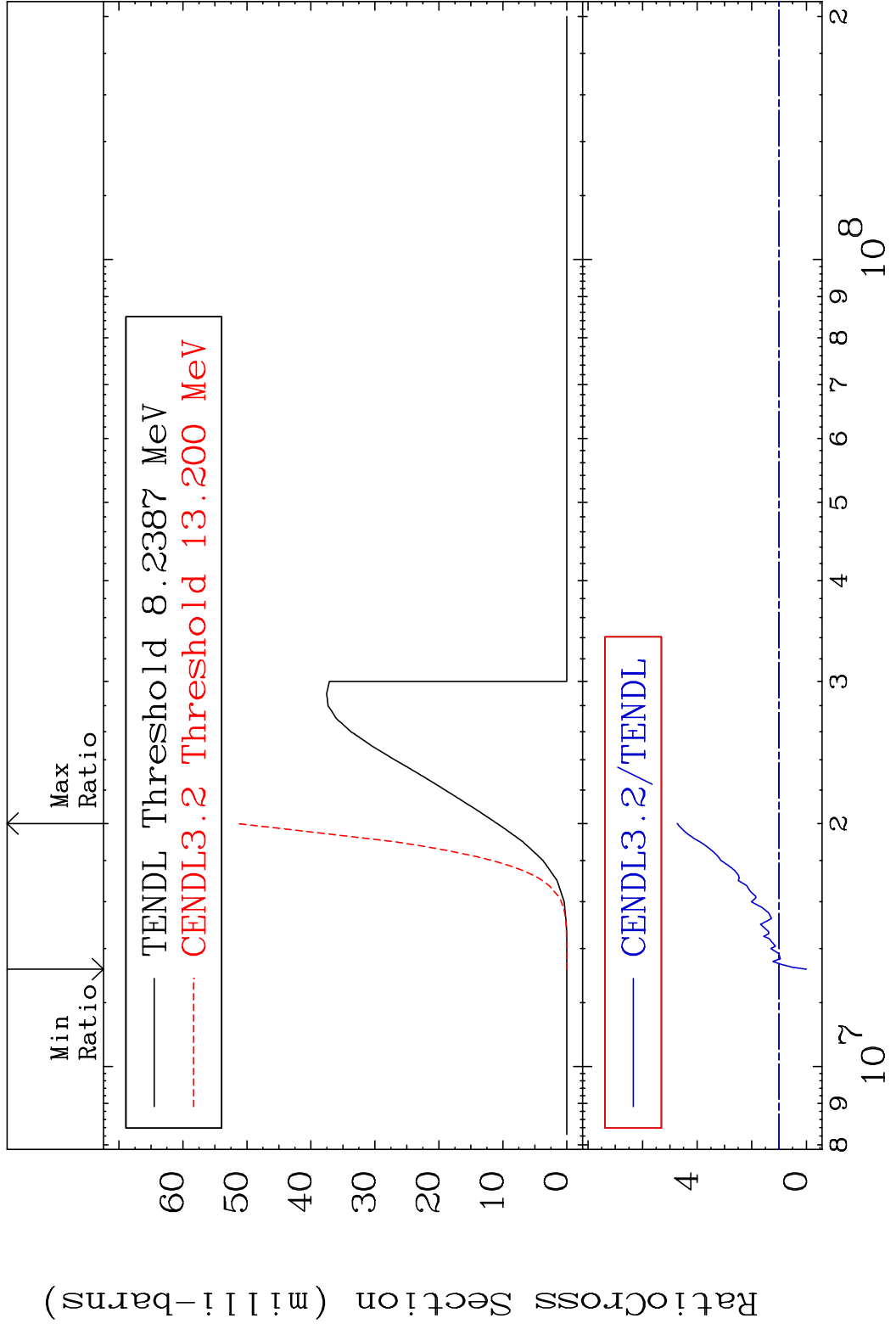
(n,3n)

²⁸Ni-64

Cross Section -100.0 To -71.01%



MAT 2843 (n, n') α 28-Ni-64
 Cross Section -100.0 To 373.2 %



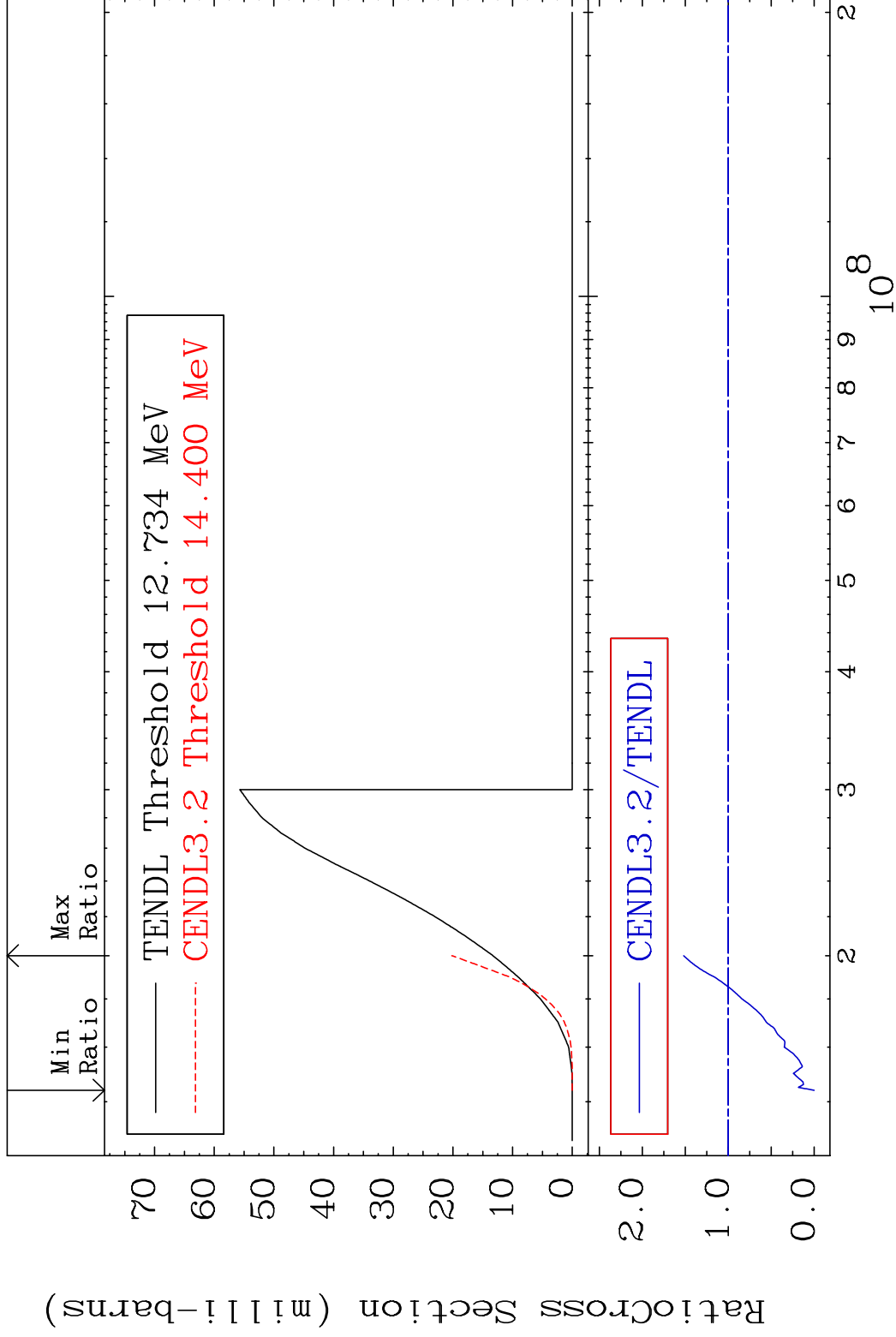
6 8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 28-Ni-64

MAT 2843

(n, n') p

28-Ni-64

Cross Section -100.0 To 51.86 %

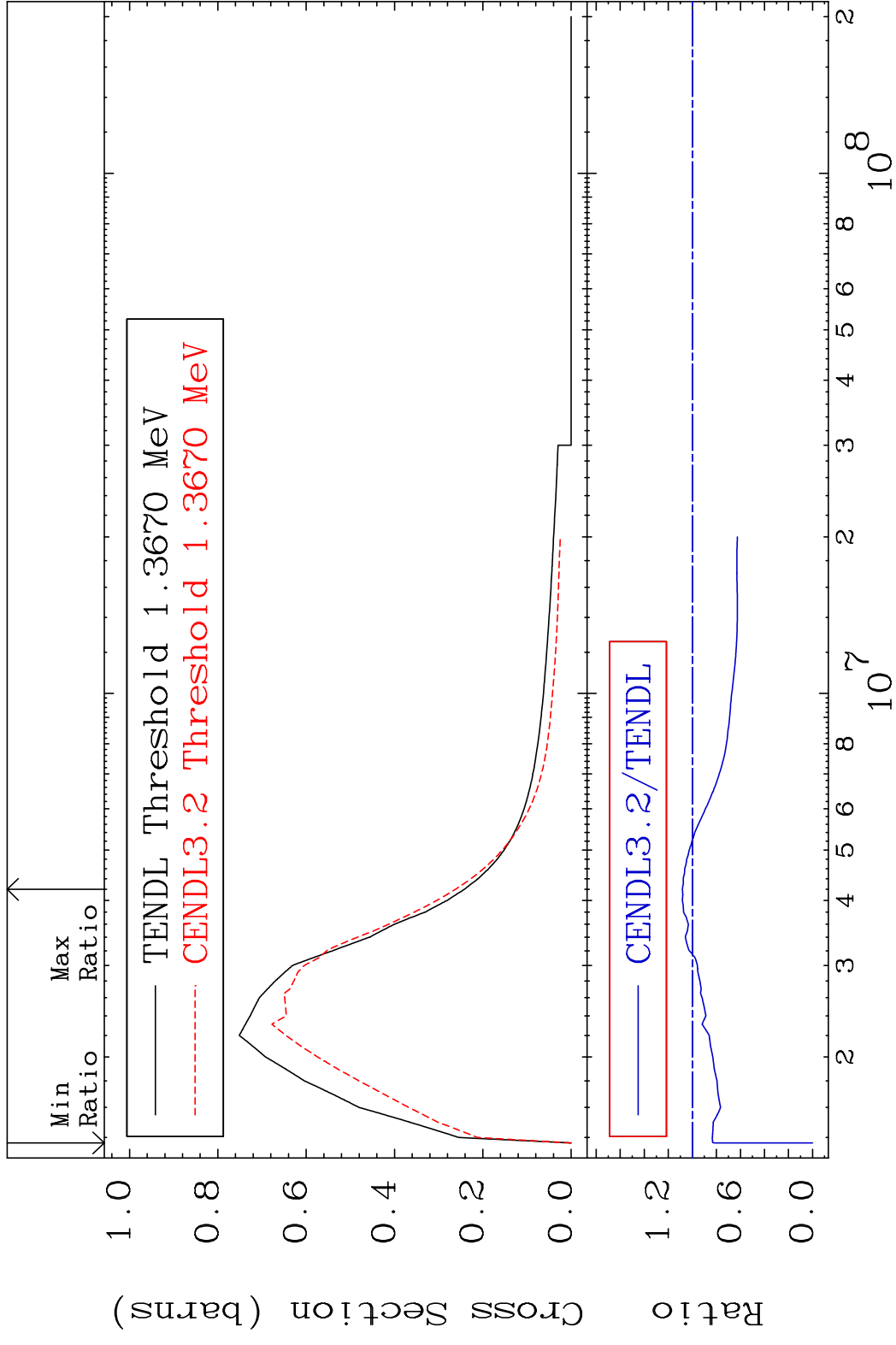


7

Incident Energy (eV)

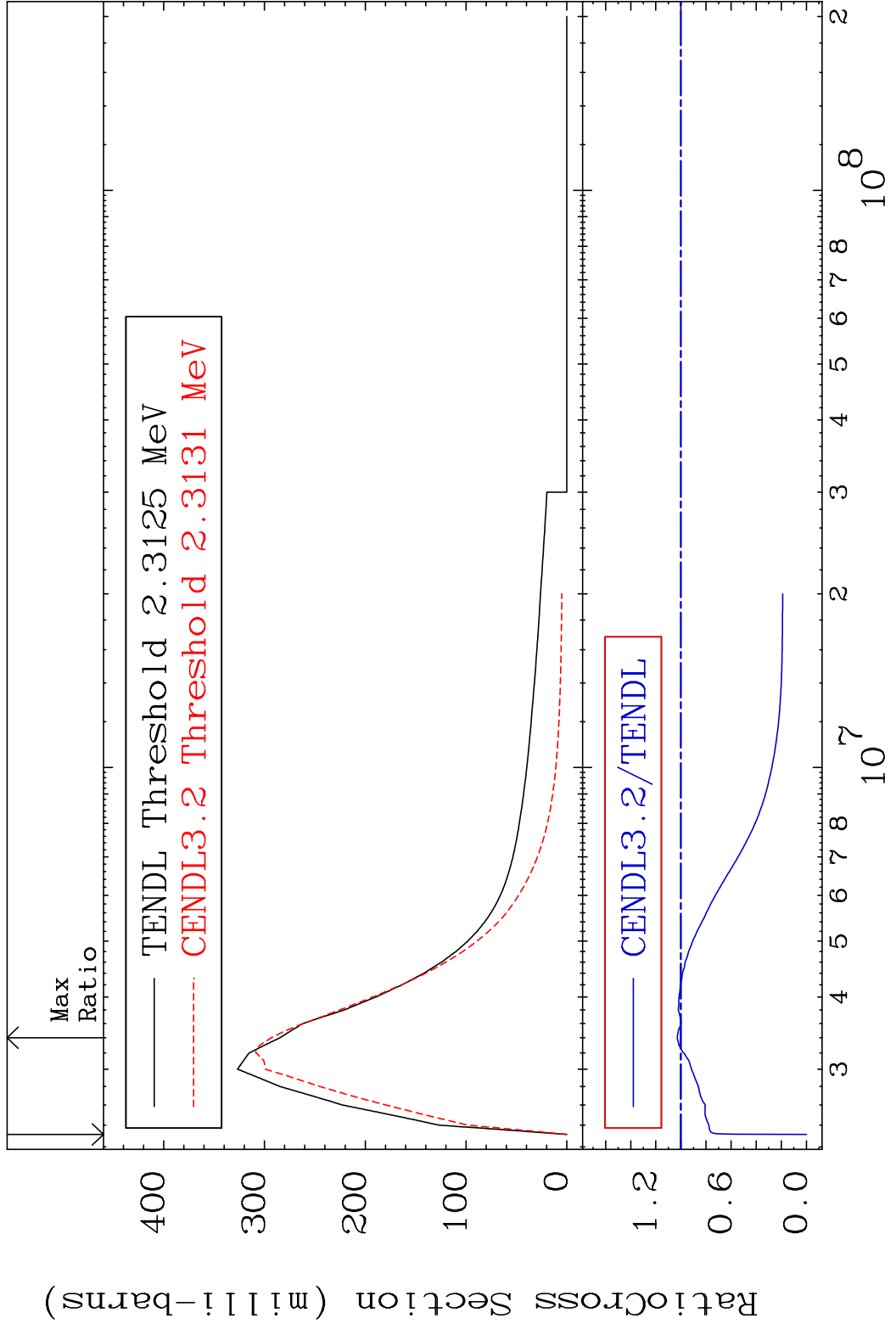
28-Ni-64

MAT 2843 MT= 51 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 8.320 %

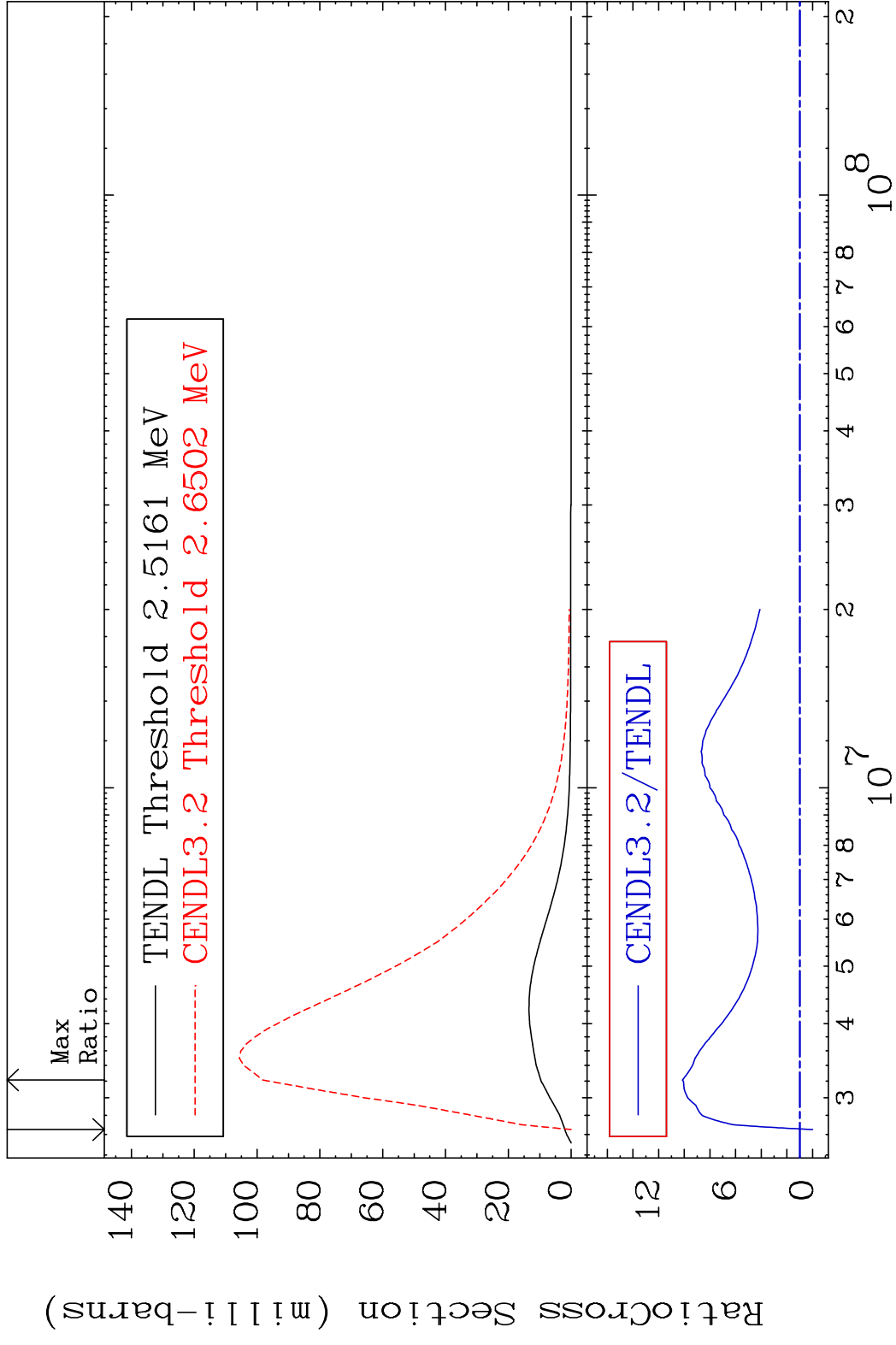


8 Incident Energy (eV) 28-Ni-64

MAT 2843 MT= 52 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 2.982 %

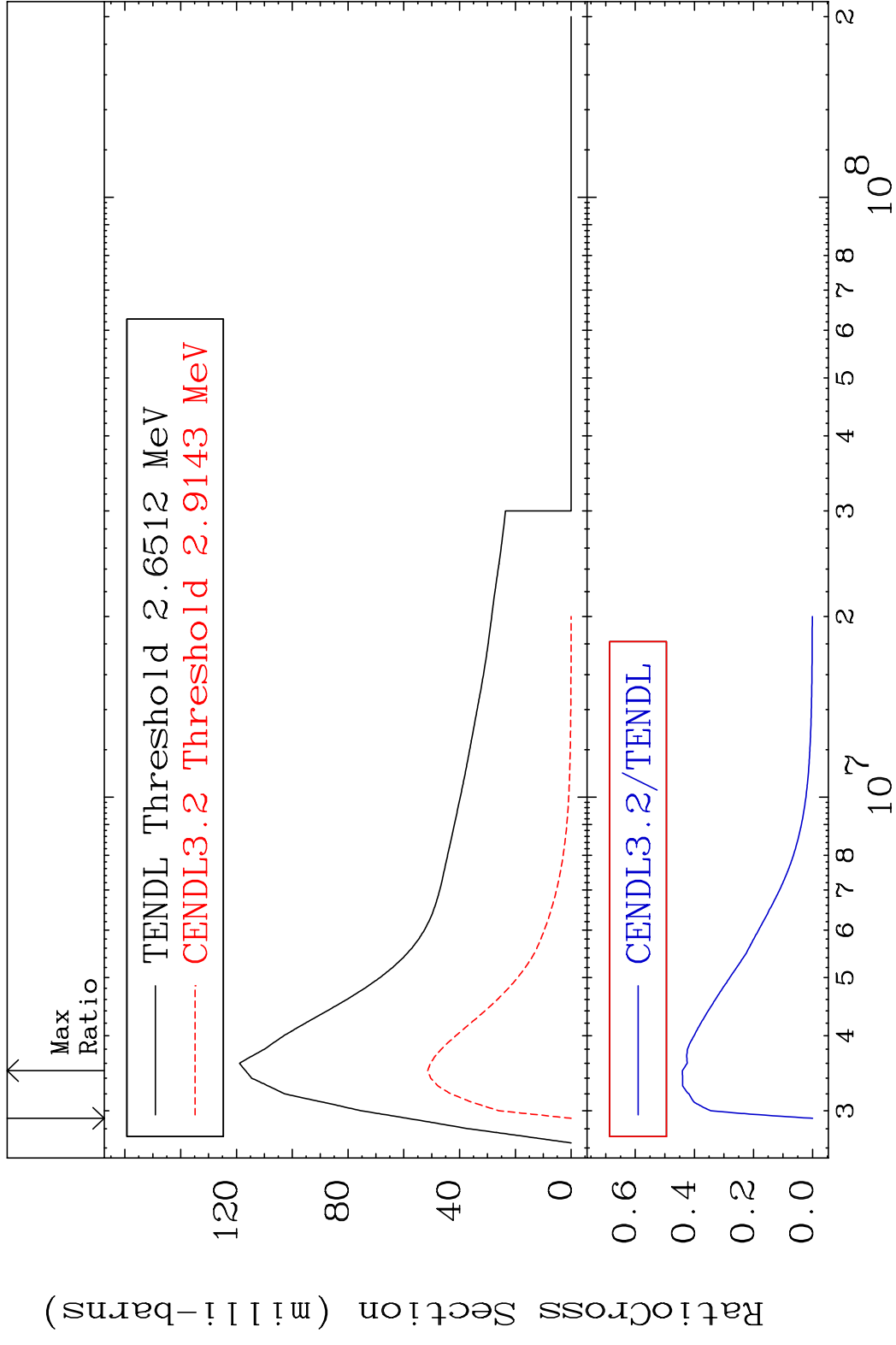


MAT 2843 MT= 53 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 915.0 %

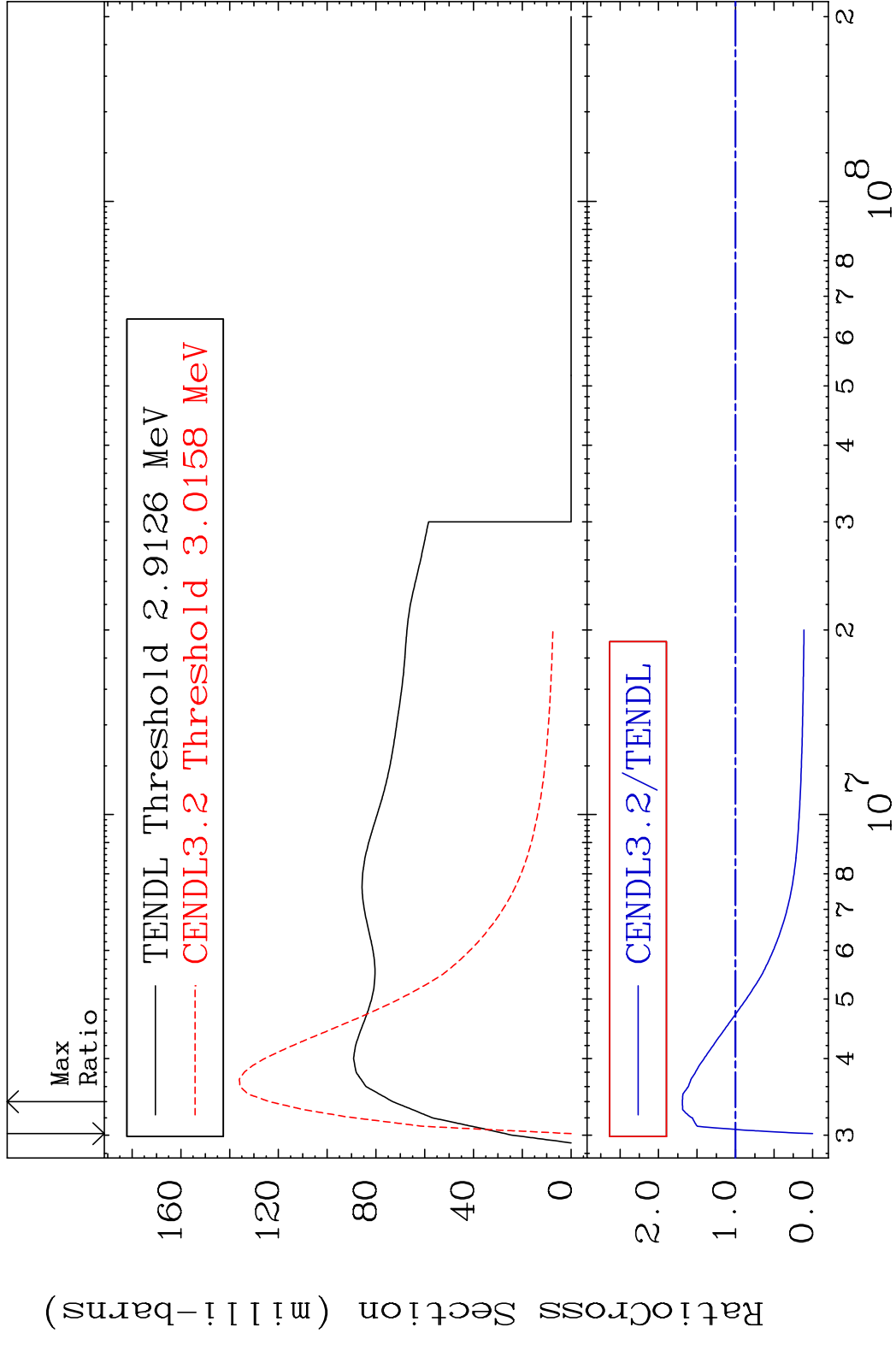


10 100 1000 10000 100000 1000000 10000000 100000000 1000000000 28-Ni-64

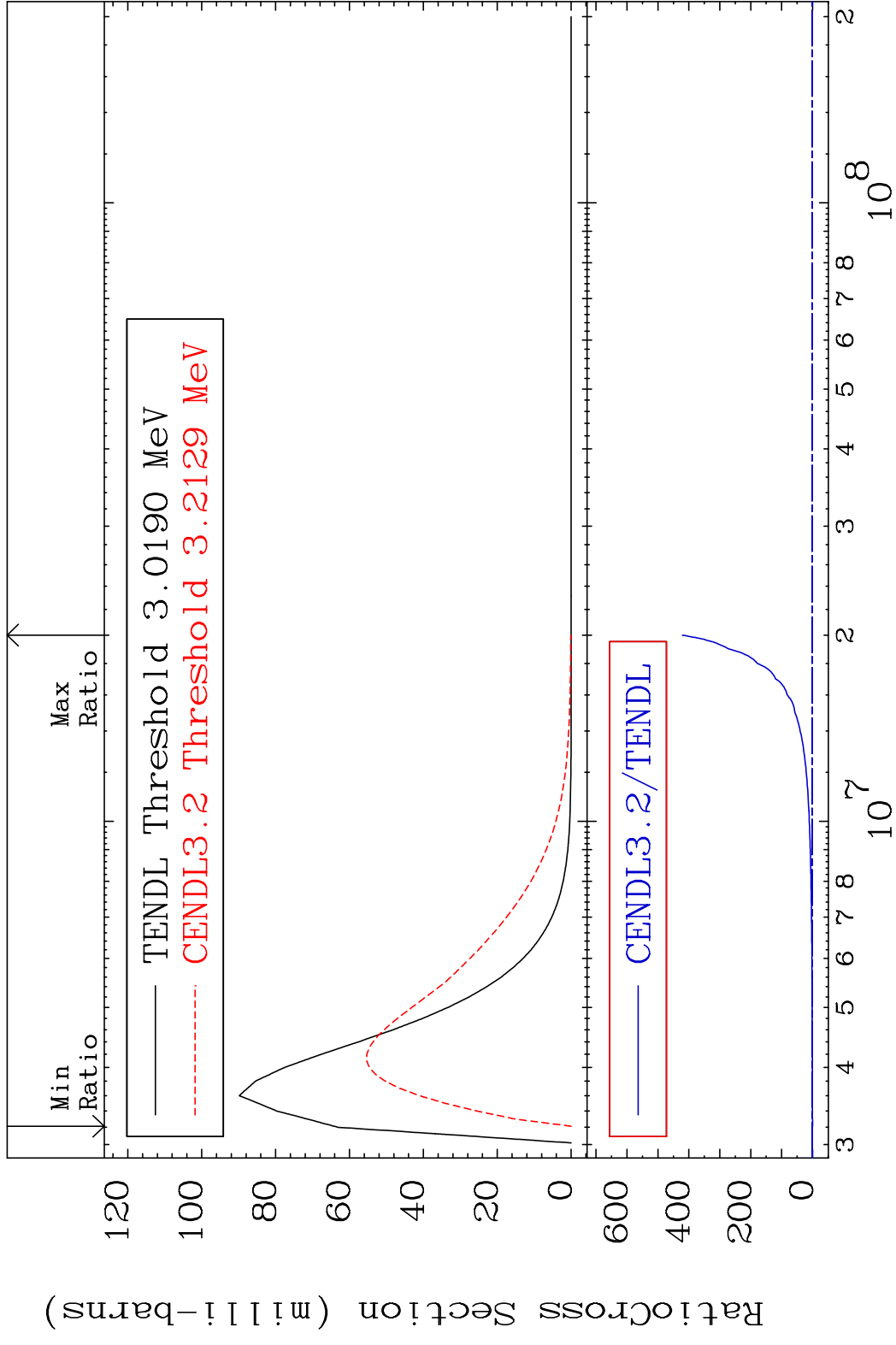
MAT 2843 MT= 54 (n,n') Level 28-Ni-64
 Cross Section -100.0 To -55.93%



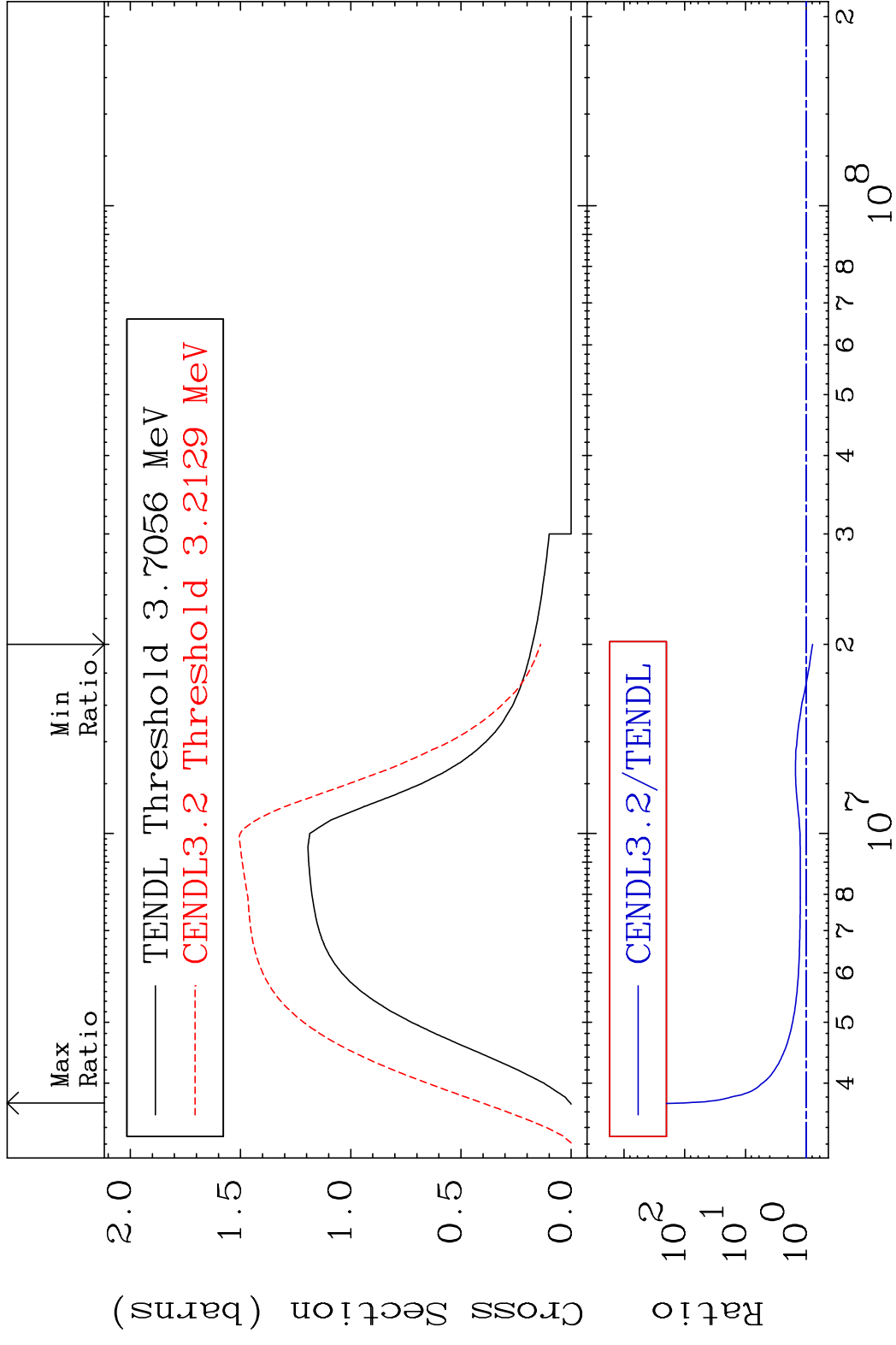
MAT 2843 MT= 55 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 69.08 %



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 -21.30 To 9999. %



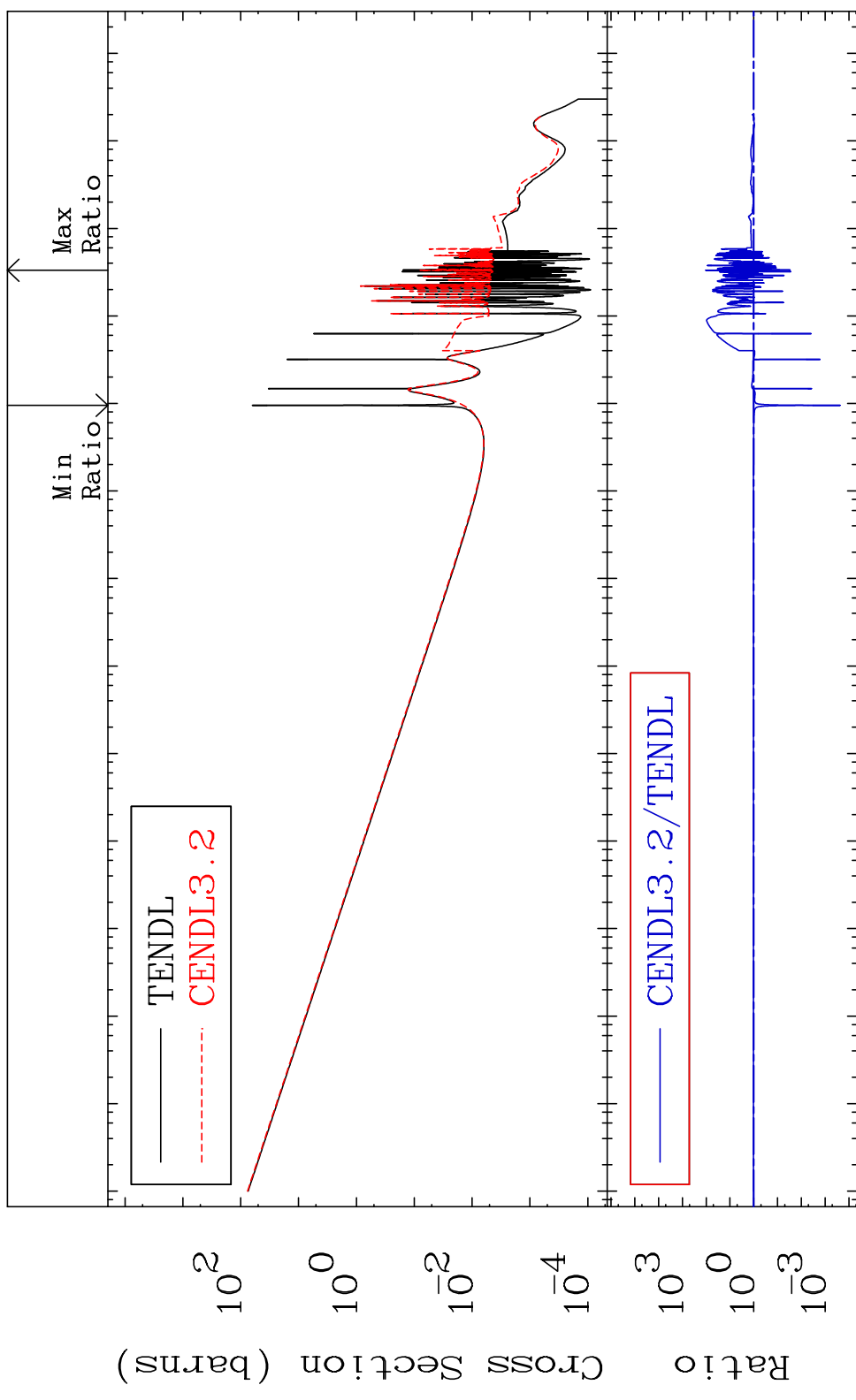
MAT 2843

(n, γ)

28-Ni-64

Cross Section

-99.98 To 9999. %



15

Incident Energy (eV)

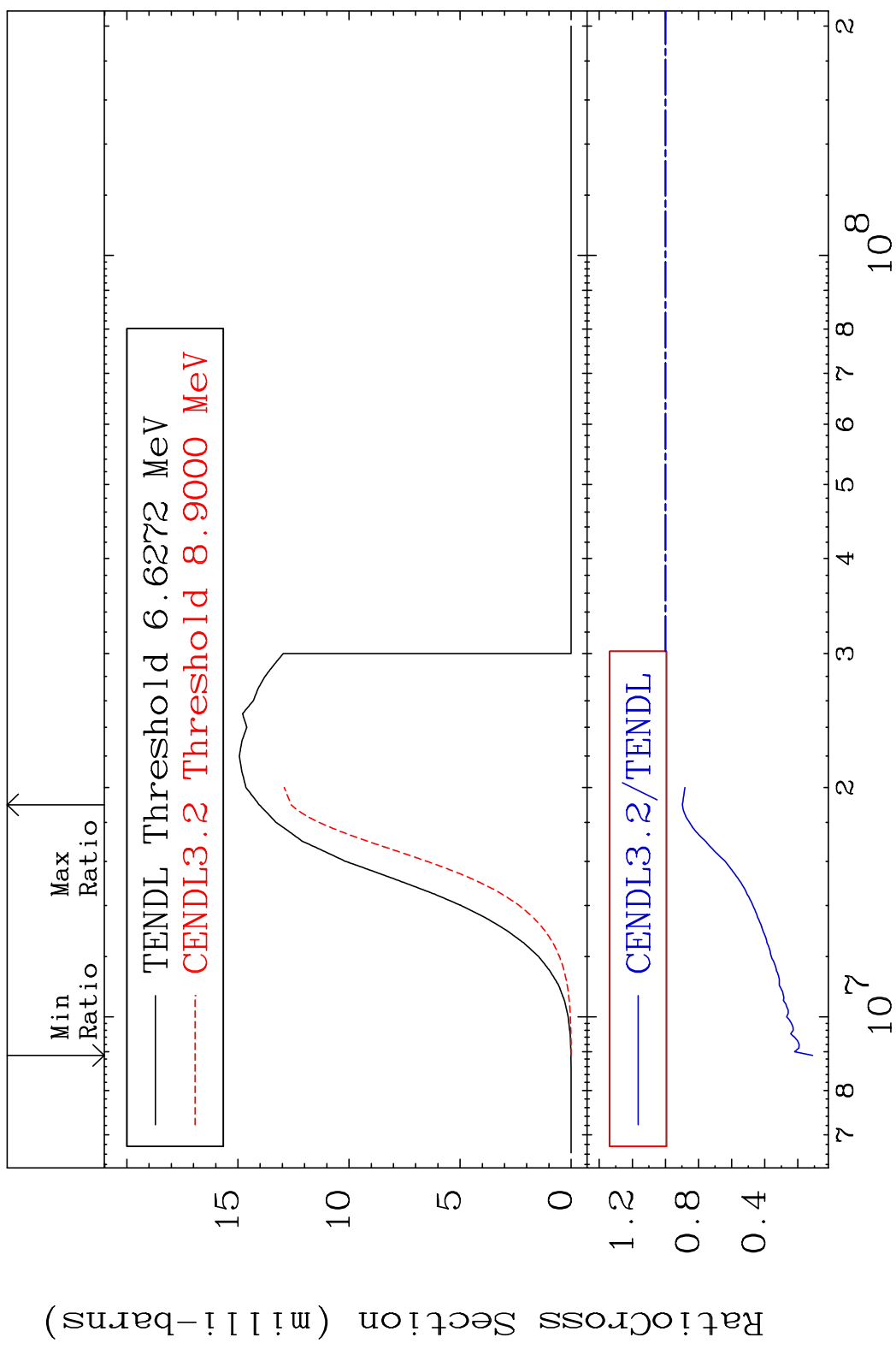
28-Ni-64

MAT 2843

(n,p)

28-Ni-64

Cross Section -88.87 To -10.21%

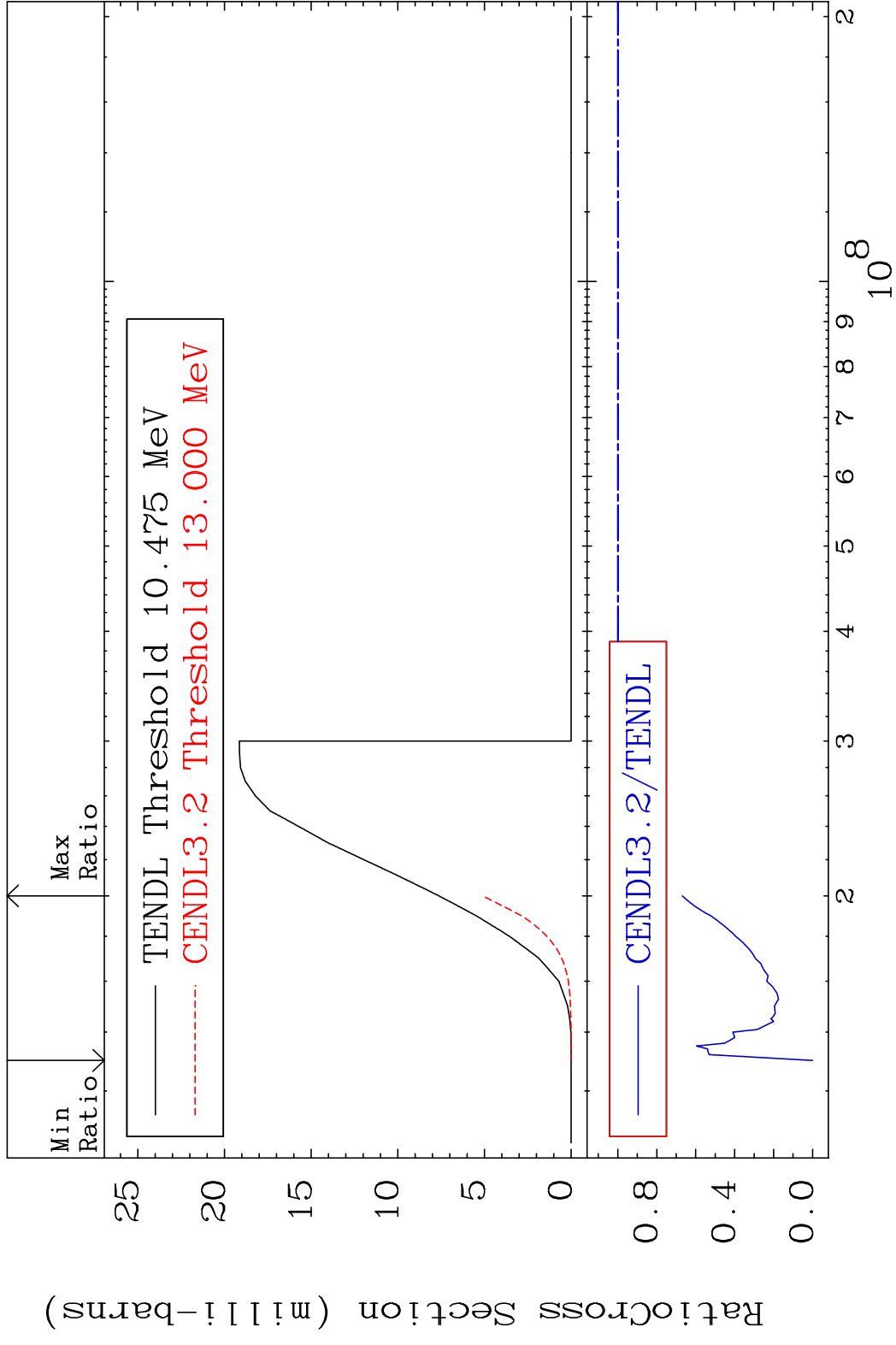


16

Incident Energy (eV)

28-Ni-64

MAT 2843 (n,d) 28-Ni-64
 Cross Section -100.0 To -33.15%

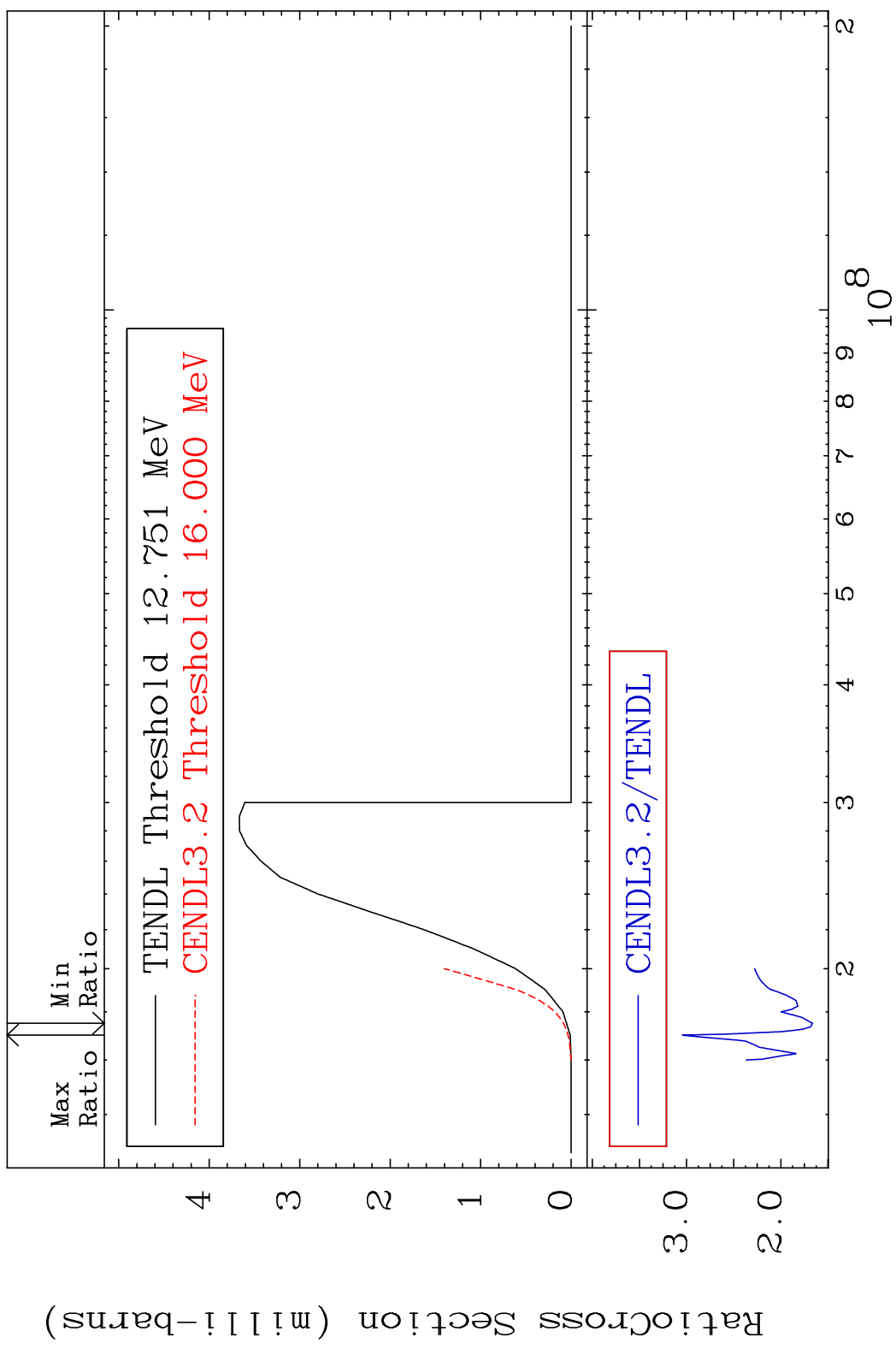


MAT 2843

(n, t)

28-Ni-64

Cross Section 66.31 To 204.5 %

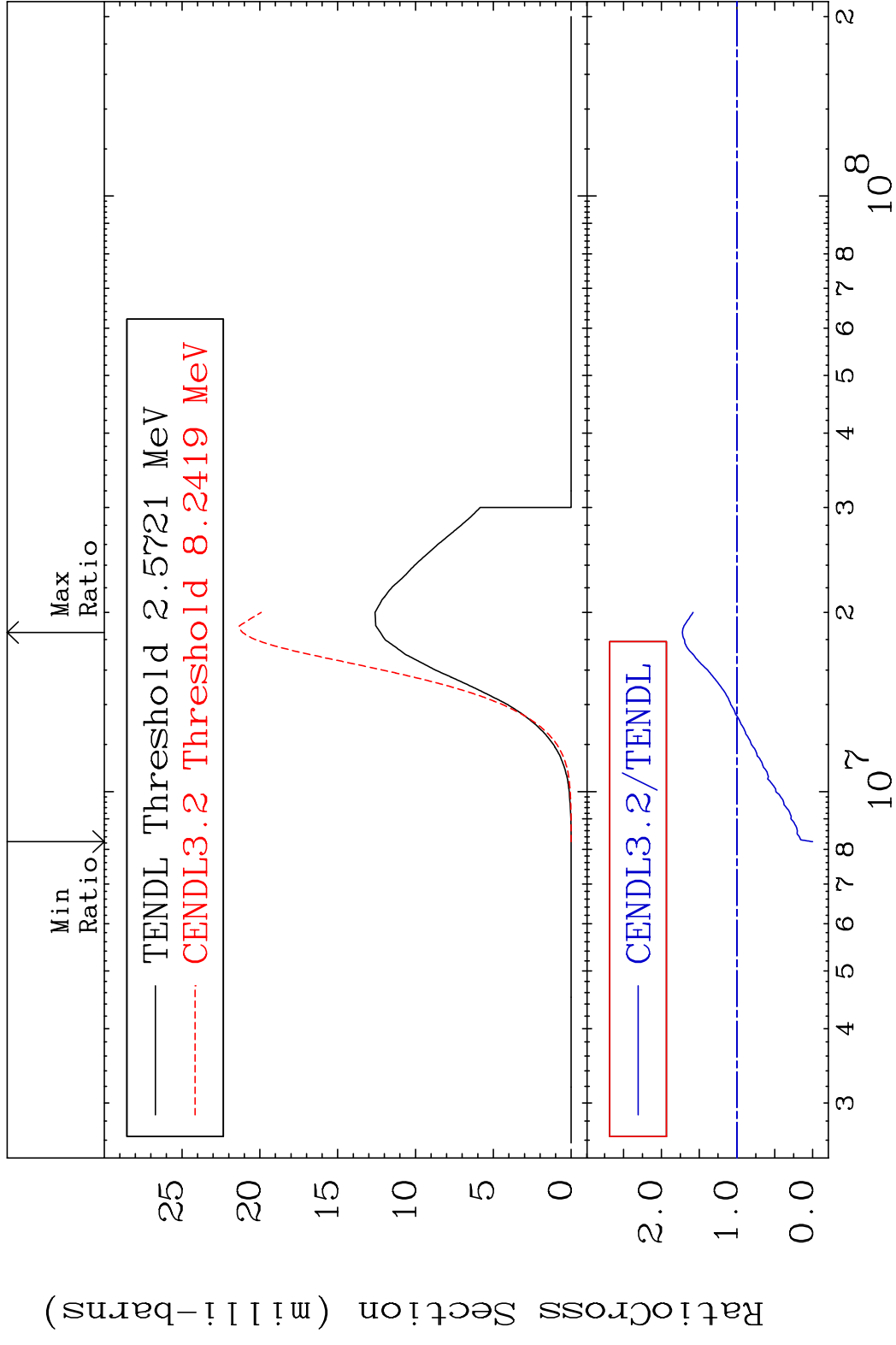


18

Incident Energy (eV)

28-Ni-64

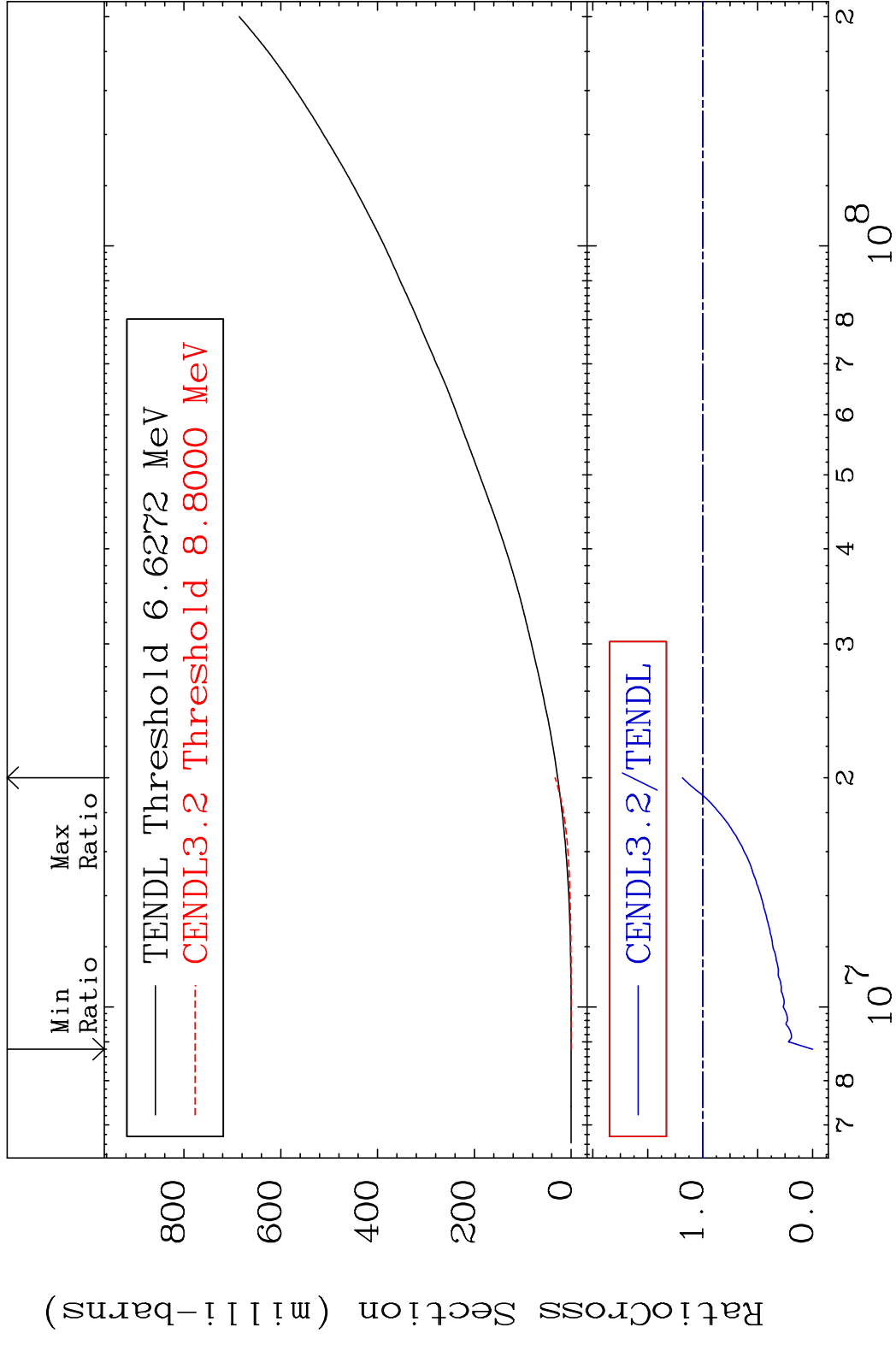
MAT 2843 (n, α) 28-Ni-64
 Cross Section -100.0 To 72.24 %



MAT 2843

Hydrogen Production
Cross Section -100.0 To 18.51 %

²⁸Ni-64



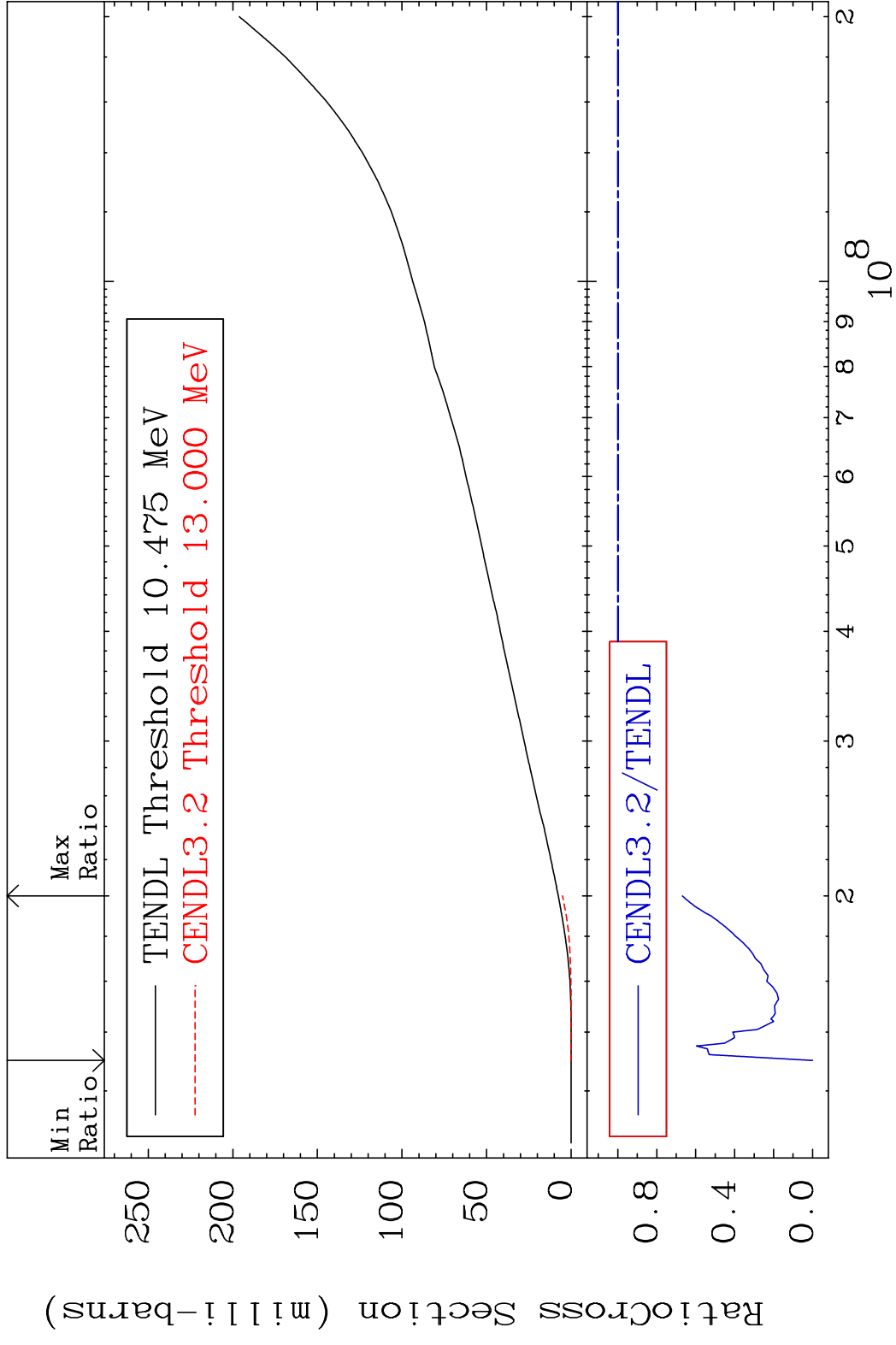
20

Incident Energy (eV)

²⁸Ni-64

MAT 2843

Deuterium Production ²⁸Ni-64
Cross Section -100.0 To -33.15%



21

Incident Energy (eV)

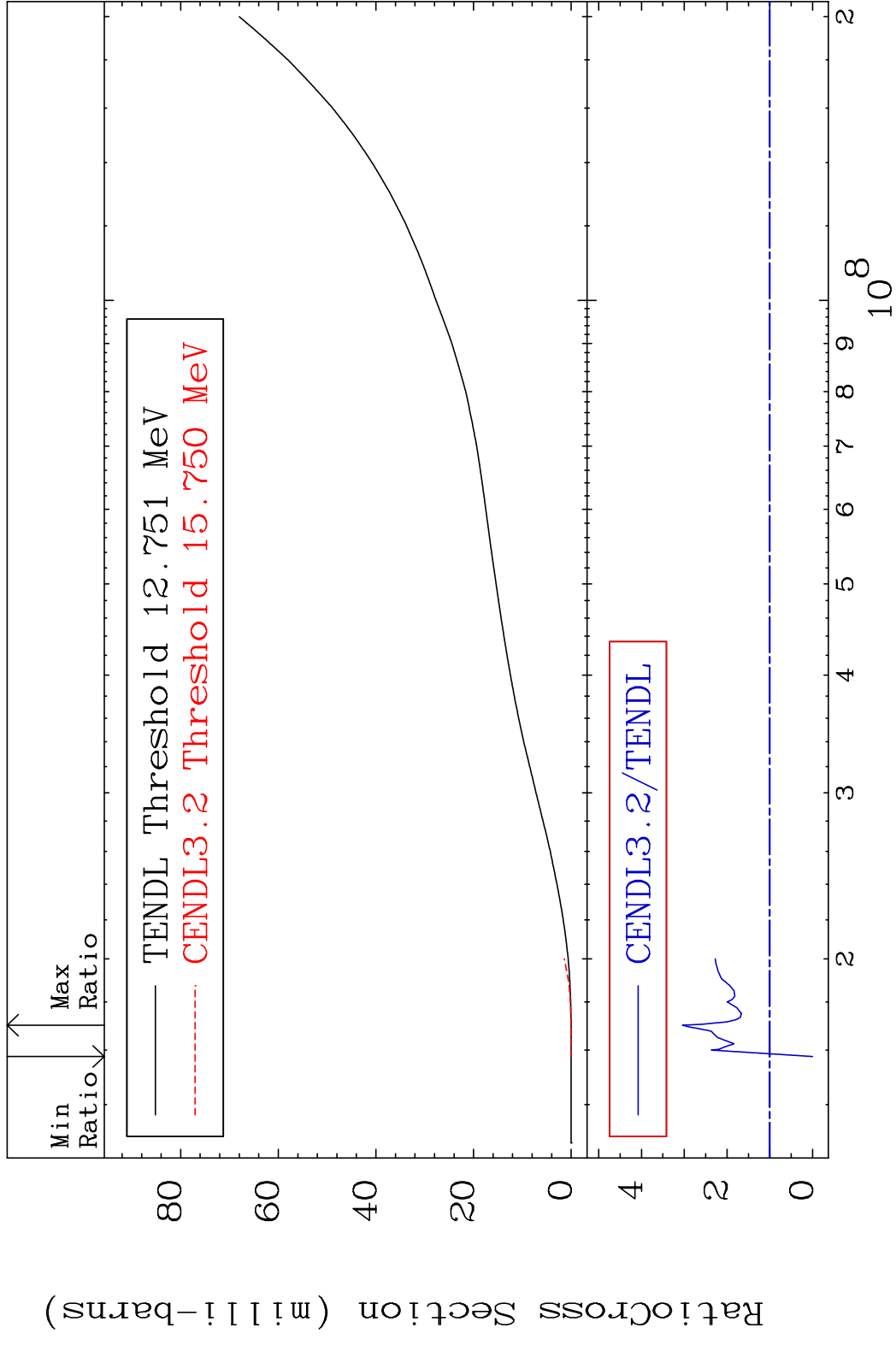
²⁸Ni-64

MAT 2843

Tritium Production

²⁸Ni-64

Cross Section -100.0 To 204.5 %

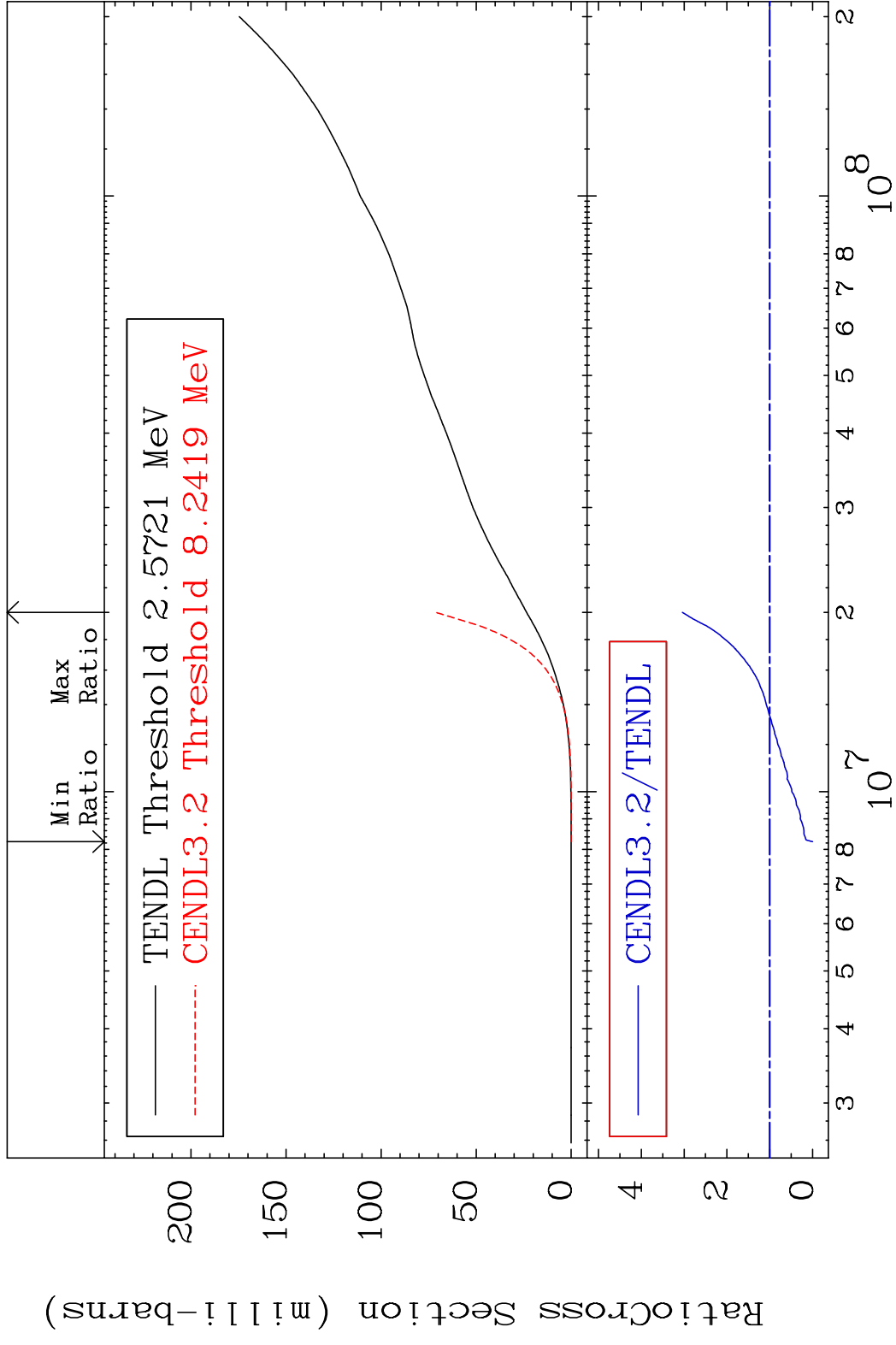


MAT 2843

He-4 Production

²⁸Ni-64

Cross Section -100.0 To 204.1 %

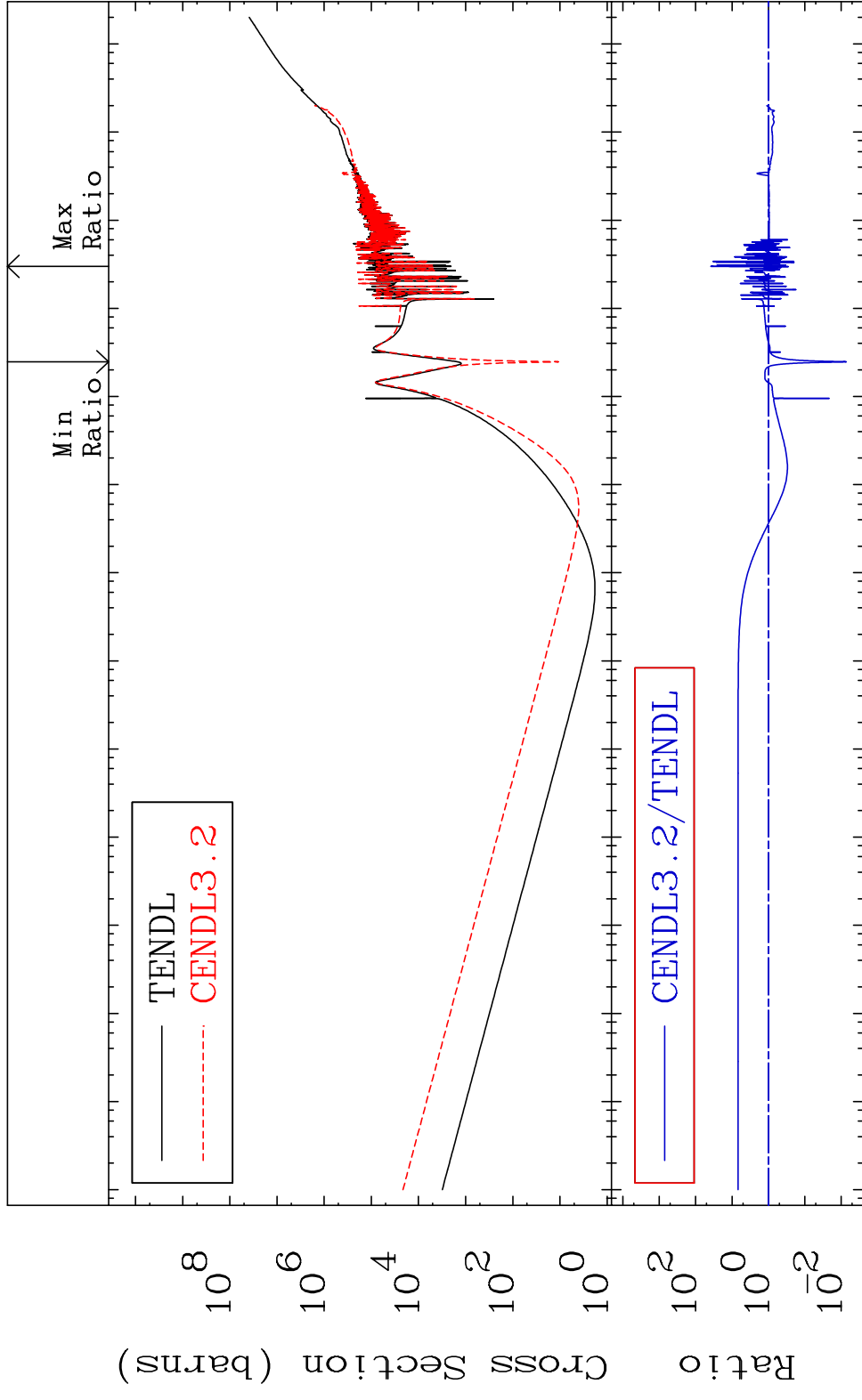


23

Incident Energy (eV)

²⁸Ni-64

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



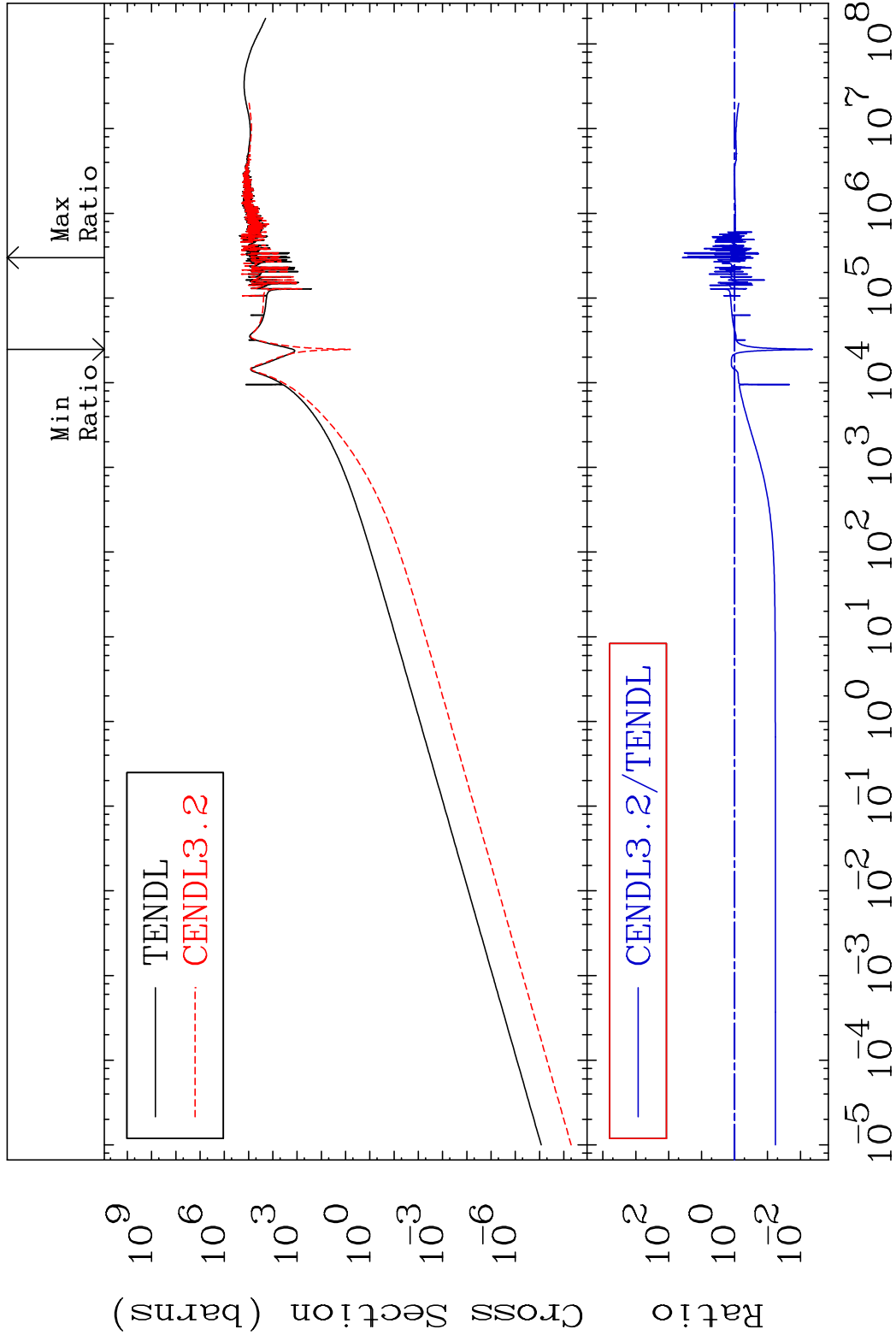
24 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic

28-Ni-64

Cross Section -99.57 To 3749. %

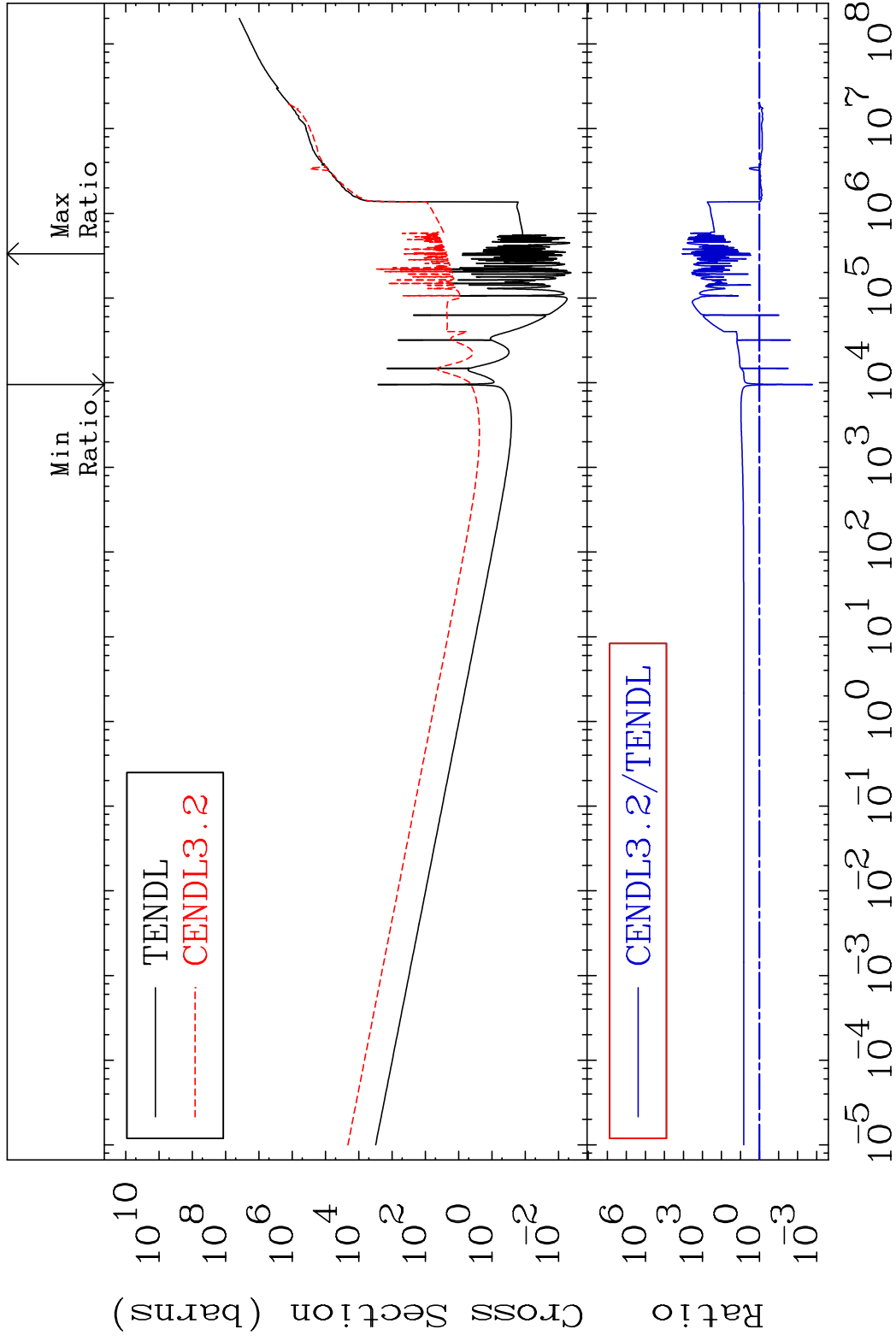


25

Incident Energy (eV)

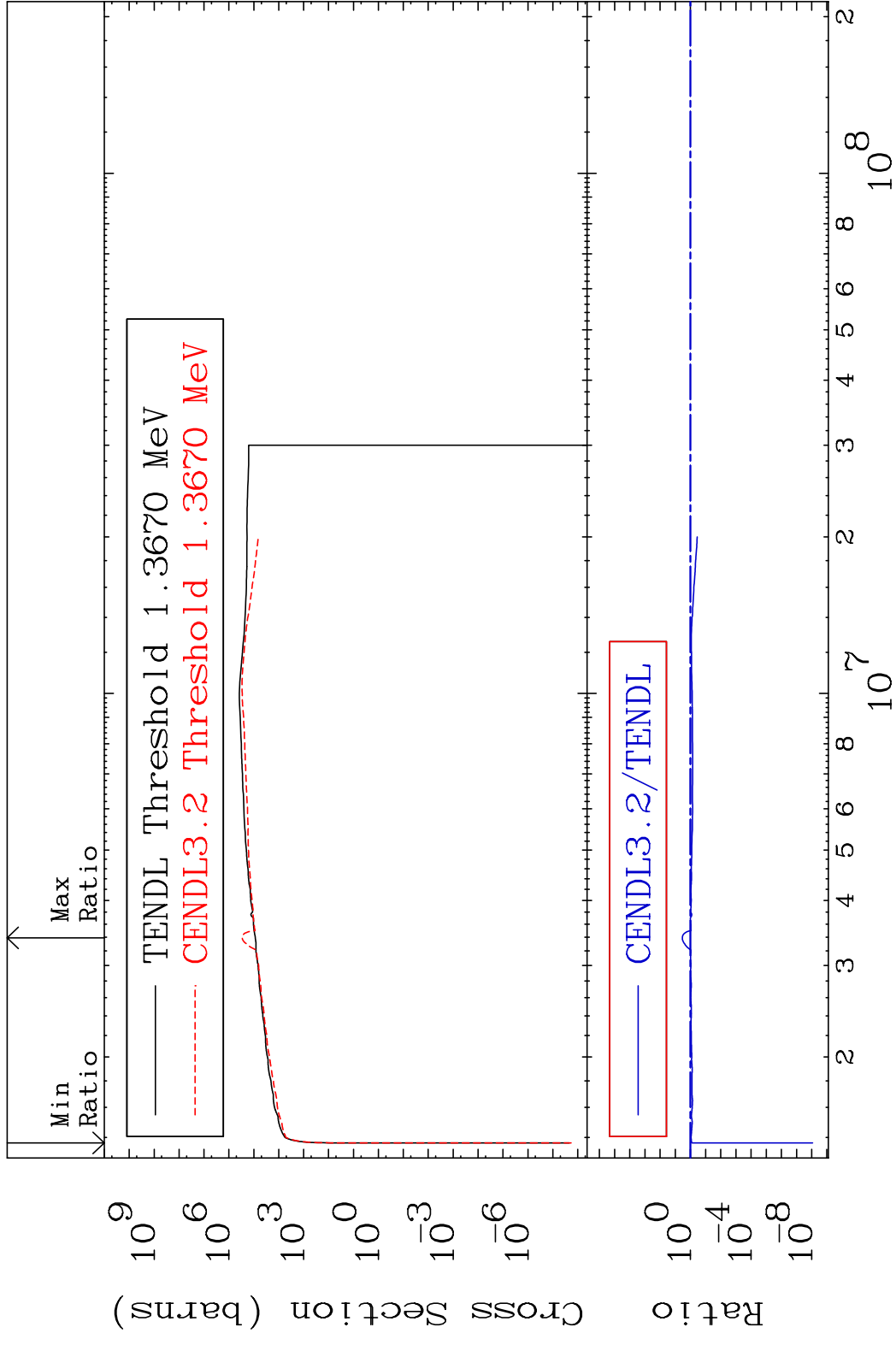
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -99.84 To 9999. %

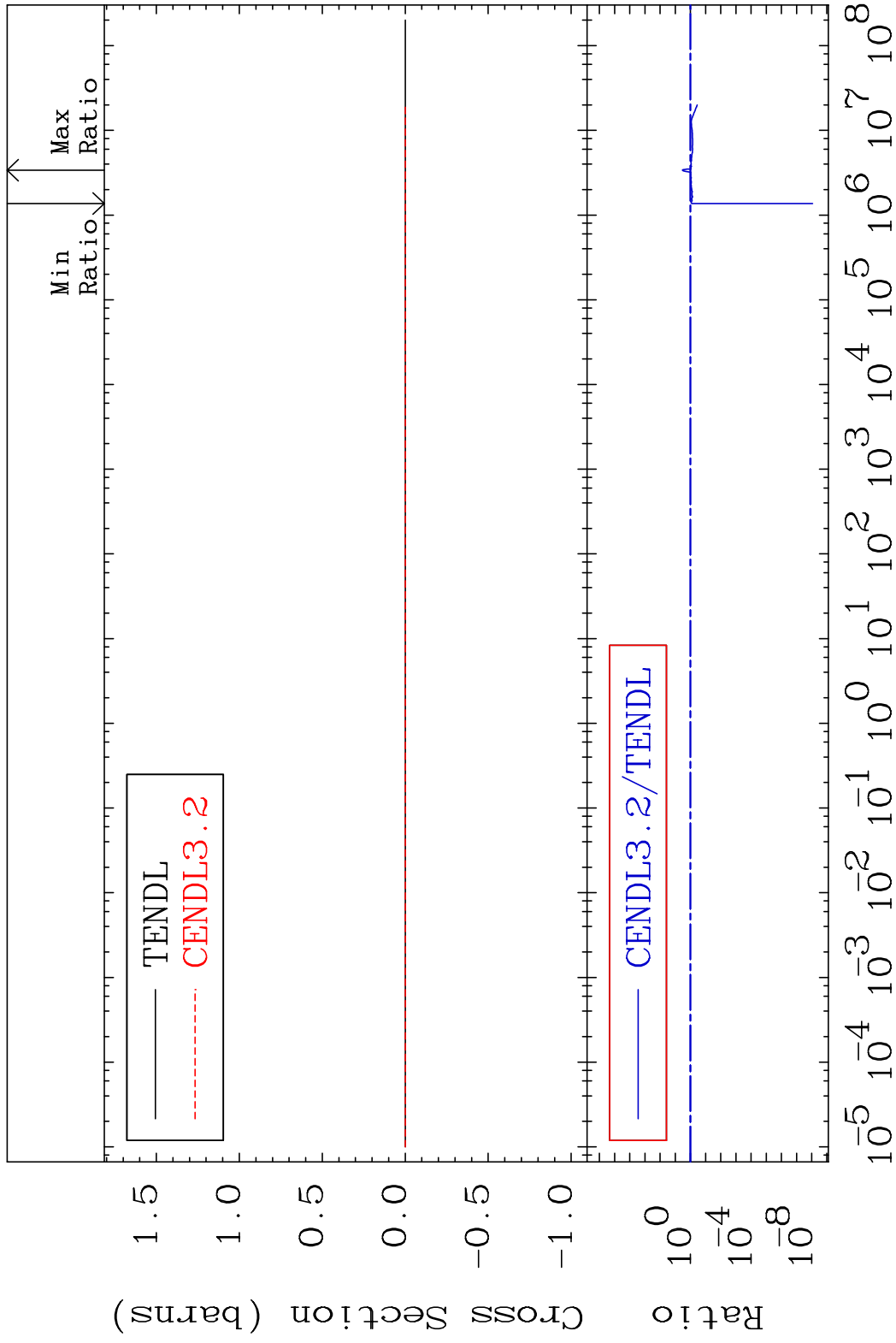


26 Incident Energy (eV) 28-Ni-64

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

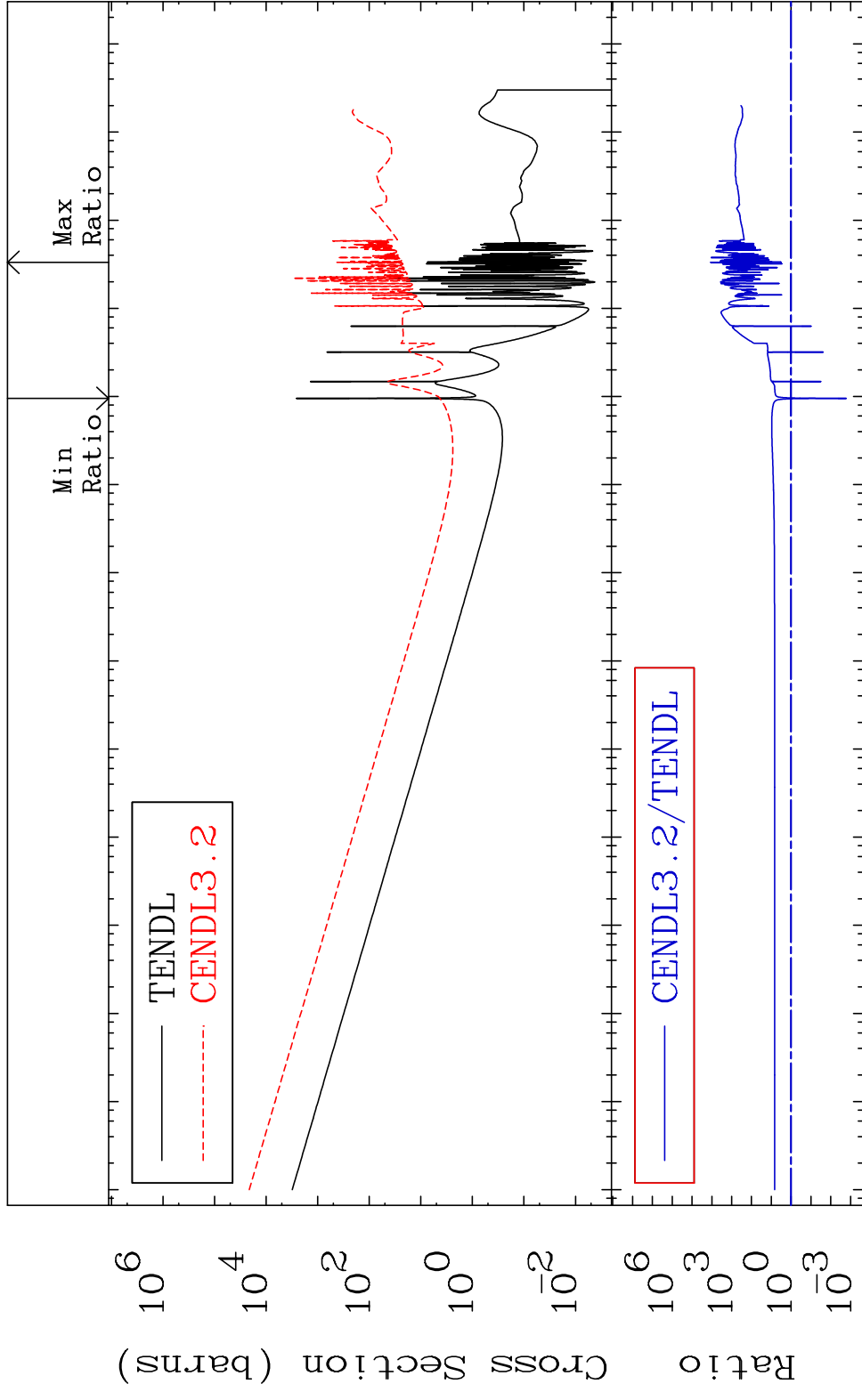


MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -100.0 To 240.1 %



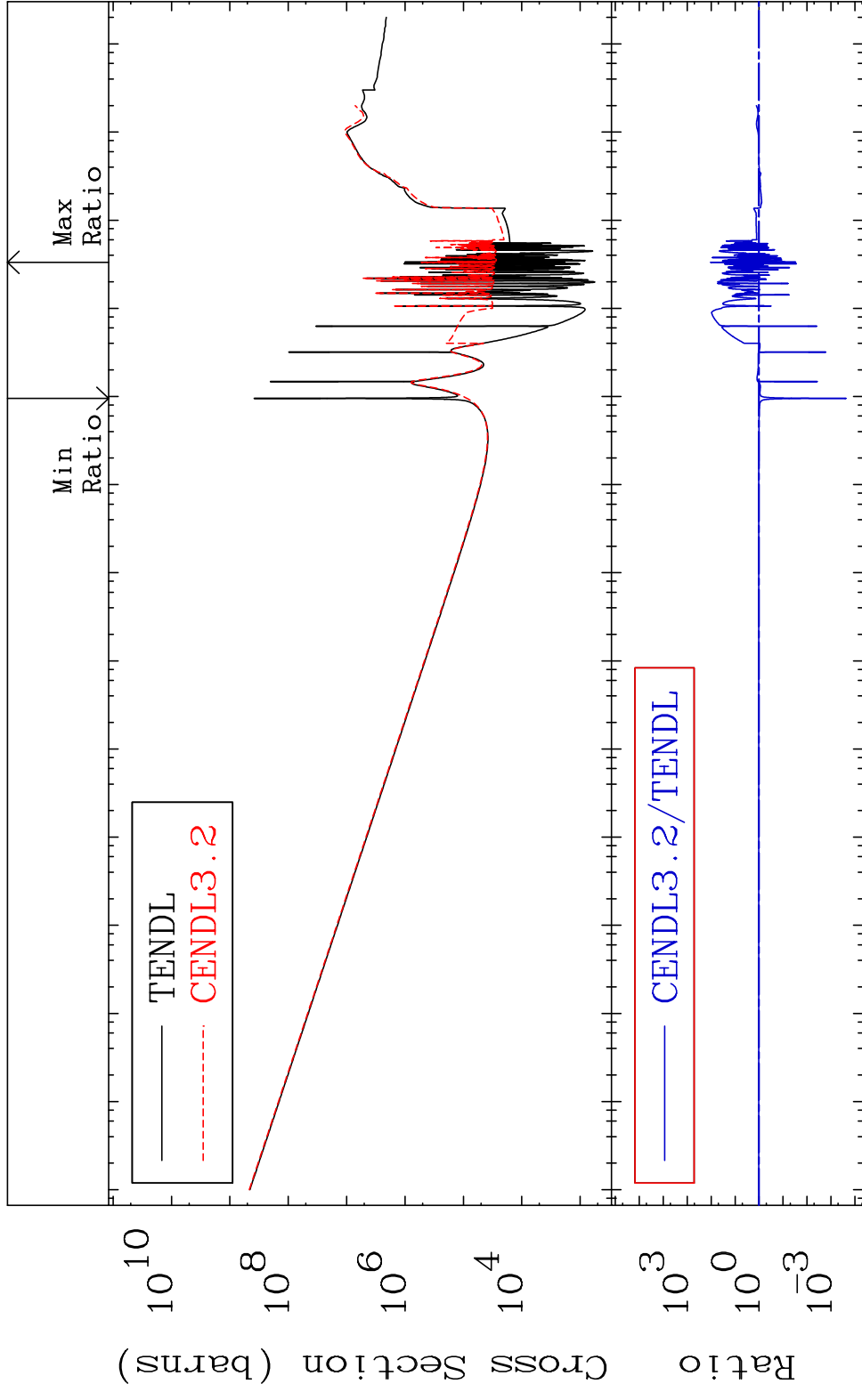
28 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma capture (mt102) 28-Ni-64
 Cross Section -99.84 To 9999. %



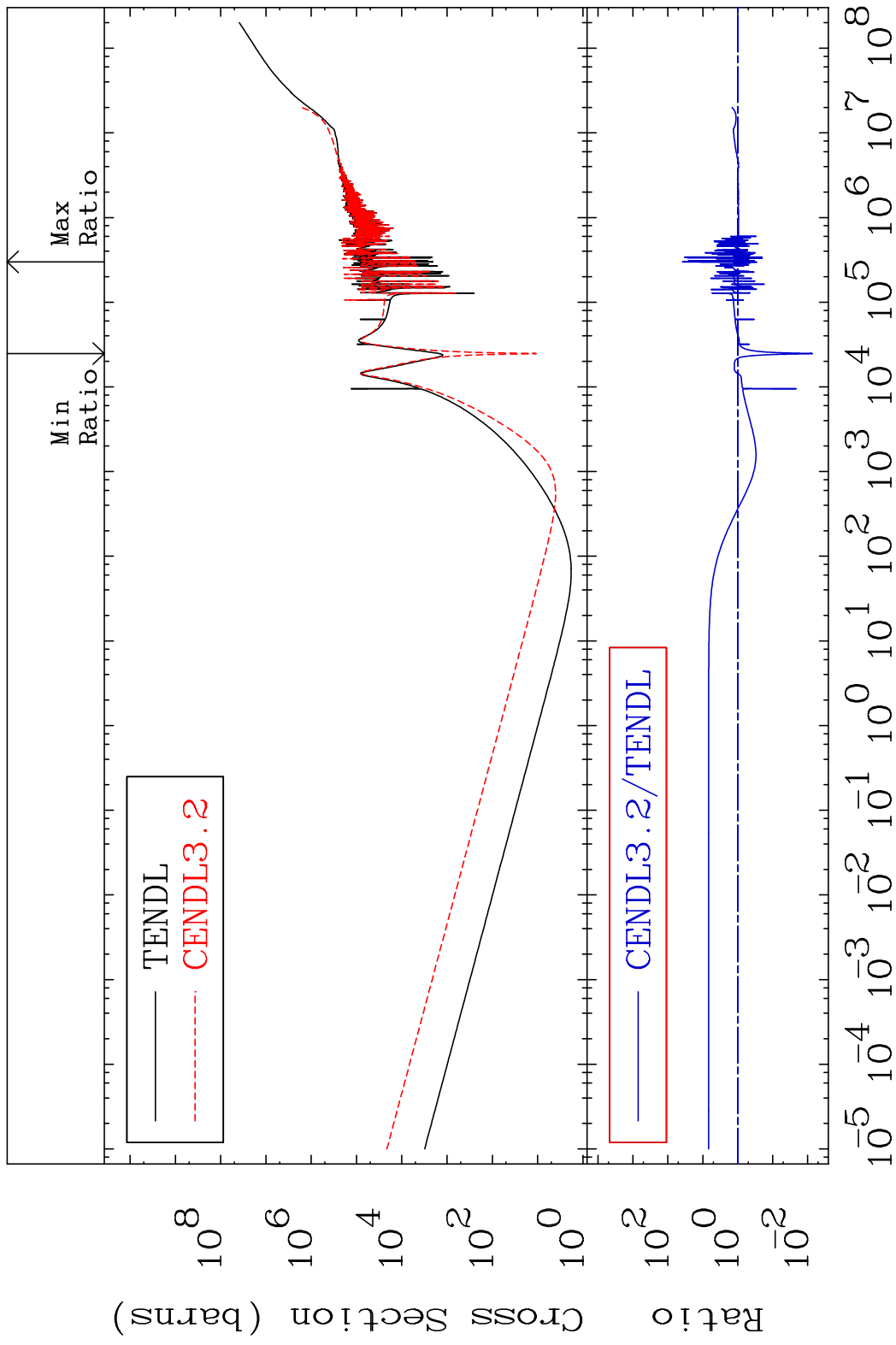
29 Incident Energy (eV) 28-Ni-64

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



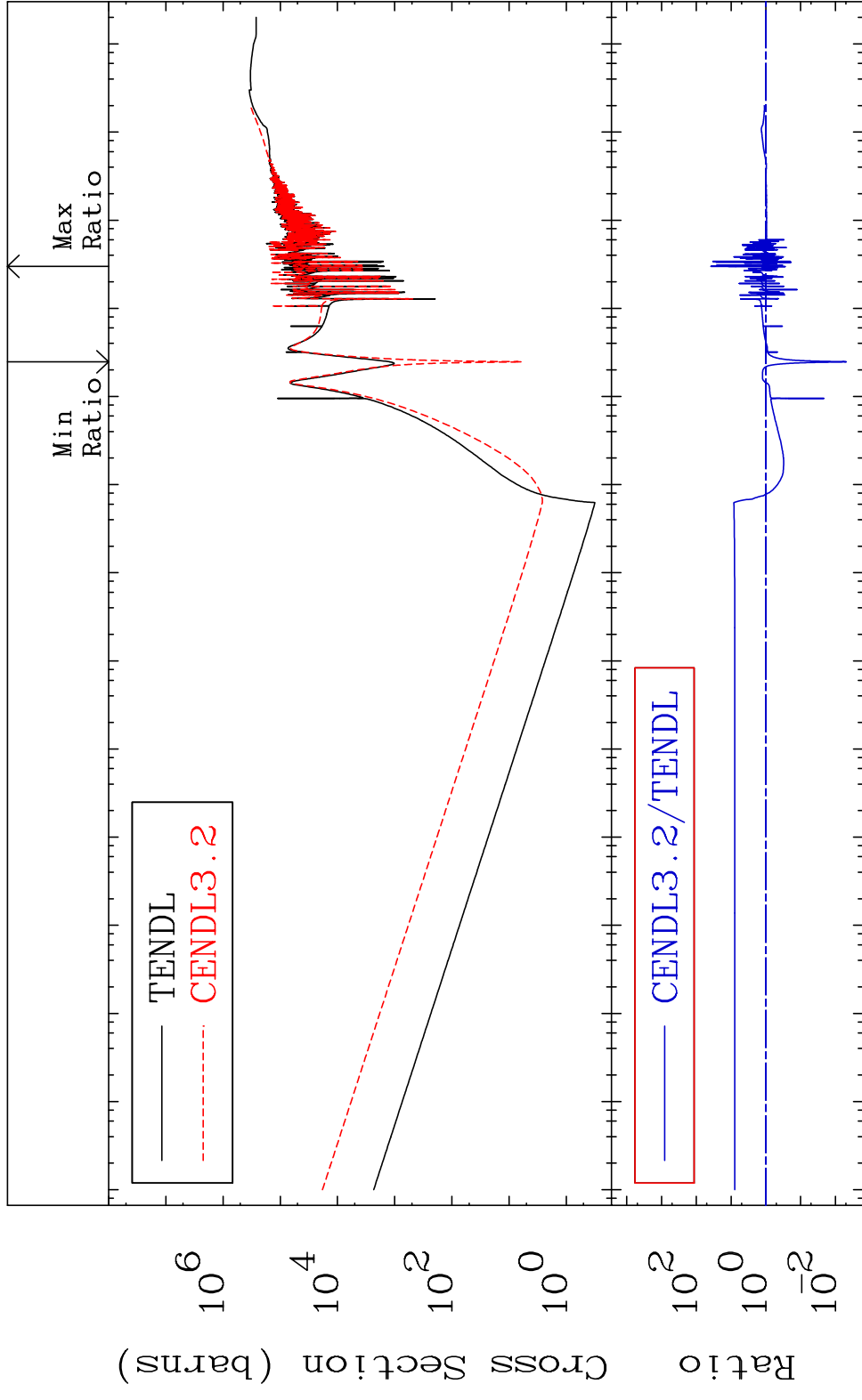
30 Incident Energy (eV) 28-Ni-64

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. %



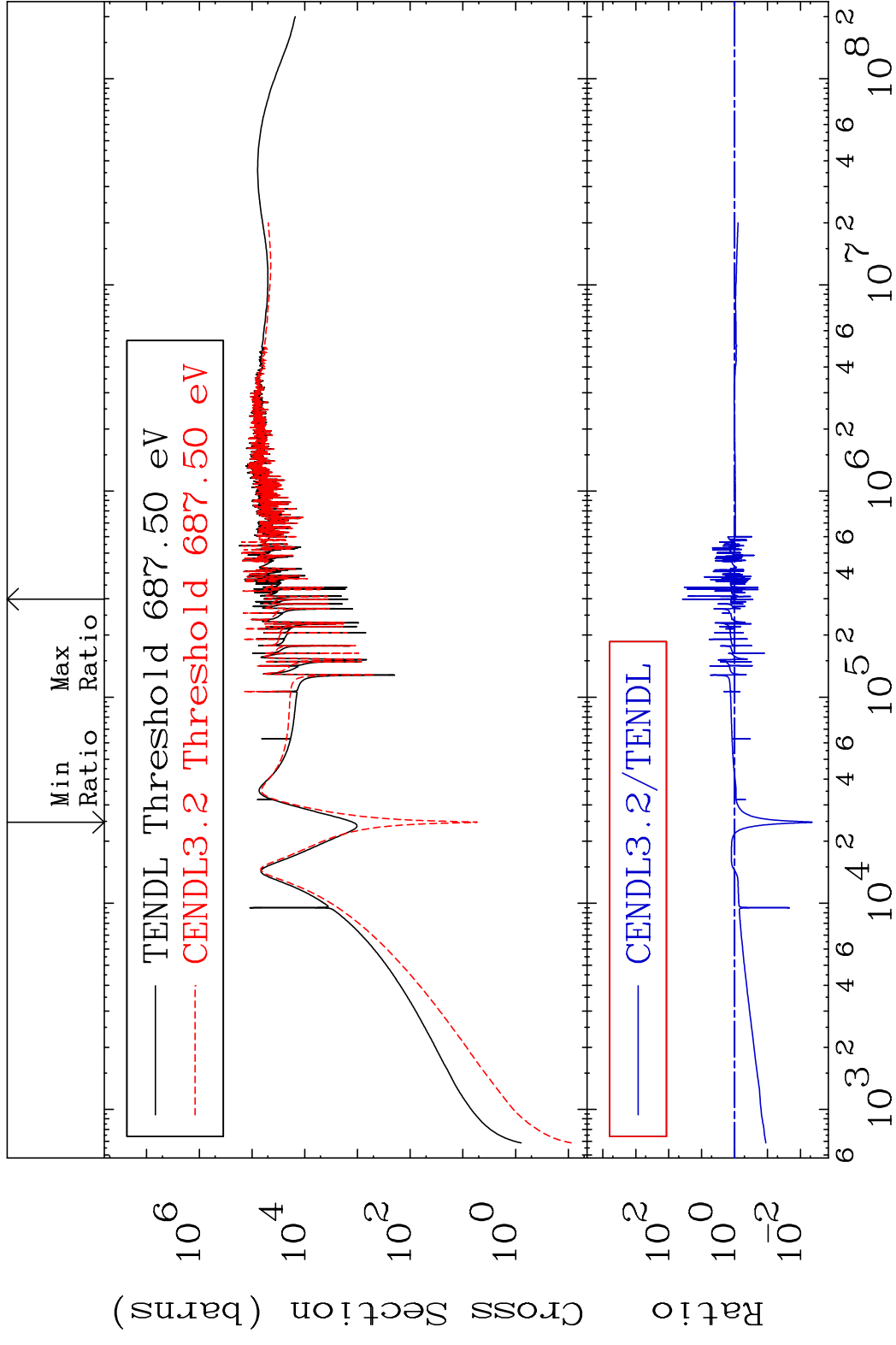
32 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -99.57 To 3756. %

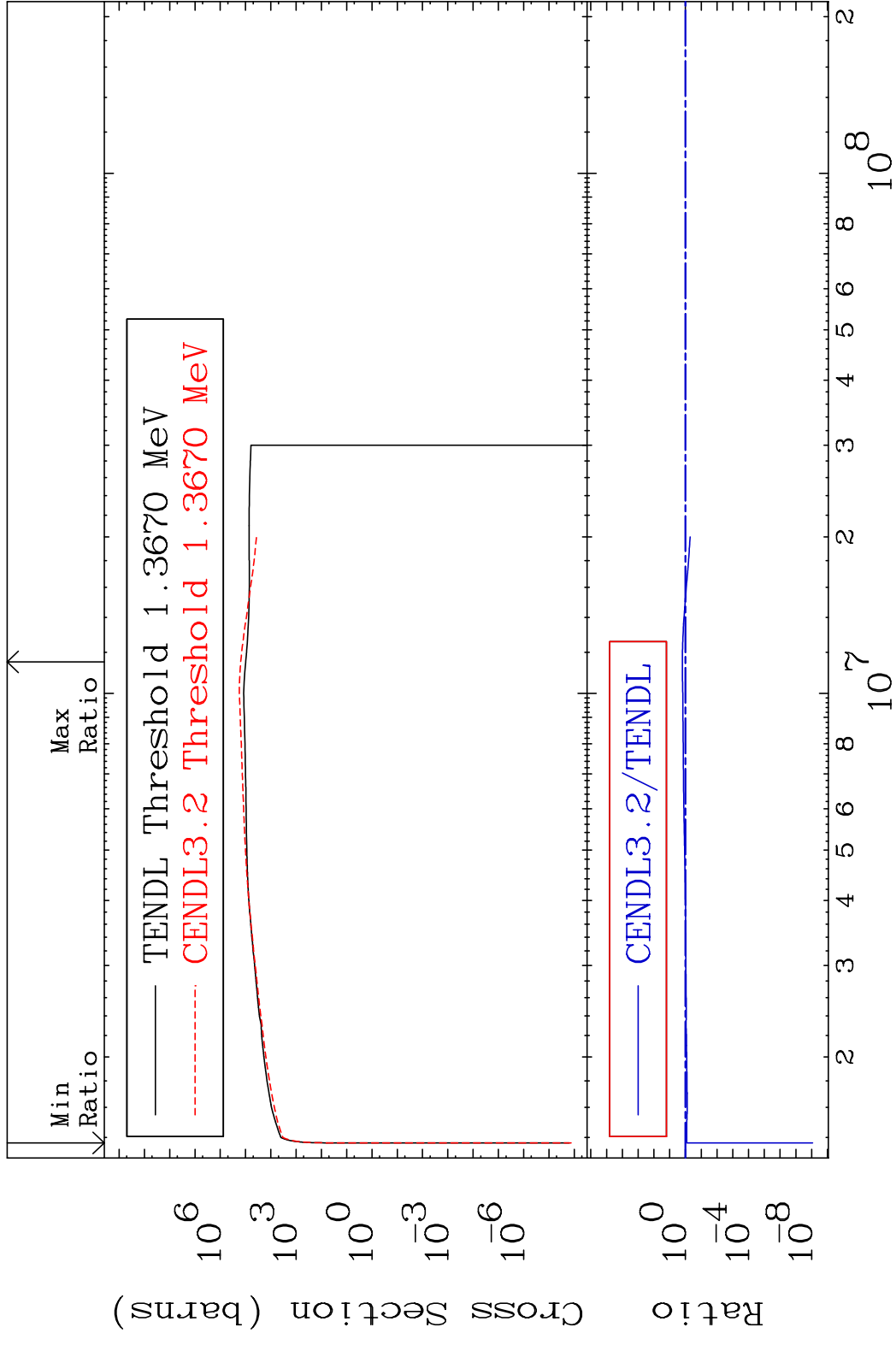


33

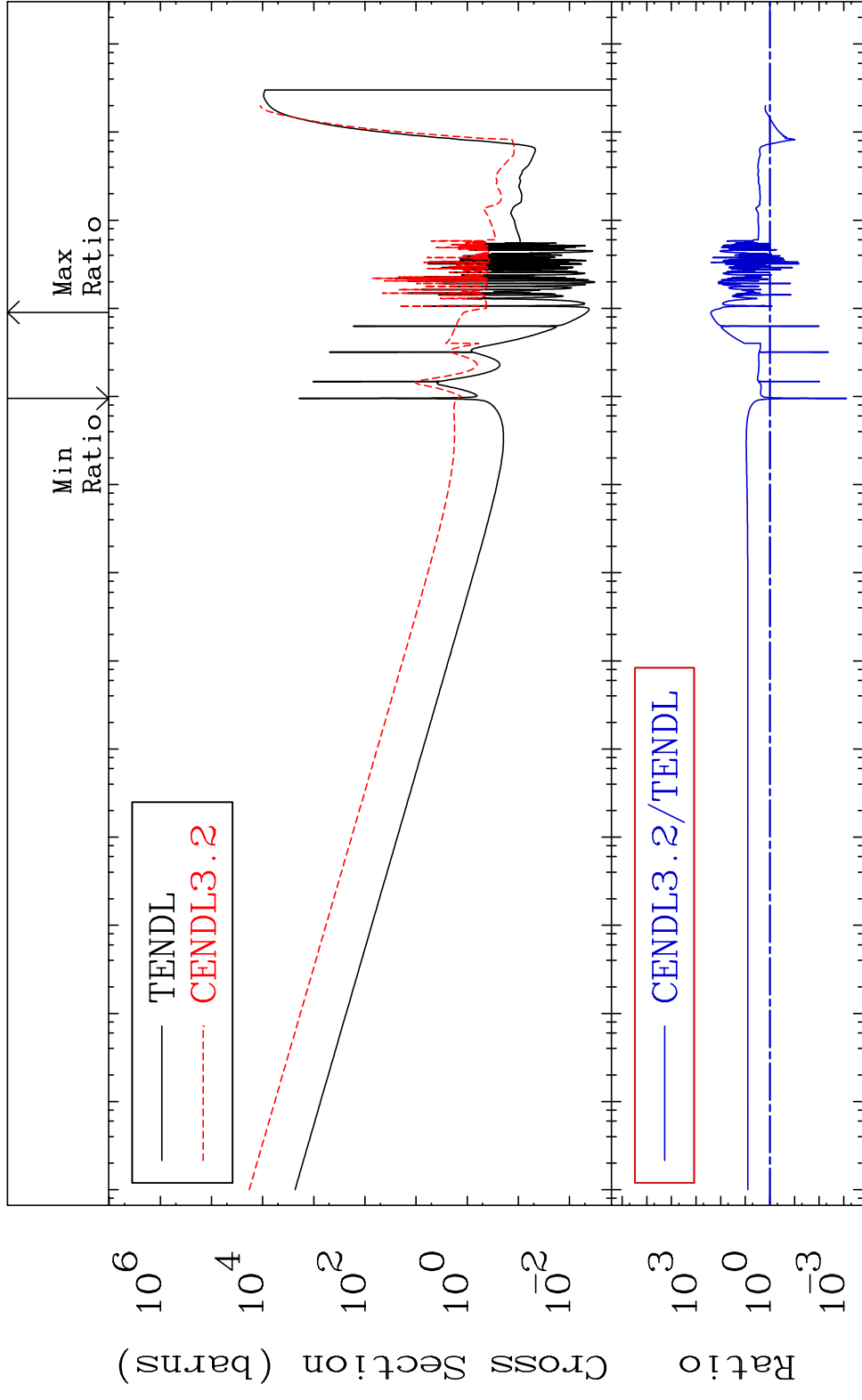
Incident Energy (eV)

28-Ni-64

MAT 2843 Dpa inelastic (mt51-91) ²⁸Ni-64
 Cross Section -100.0 To 57.30 %



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



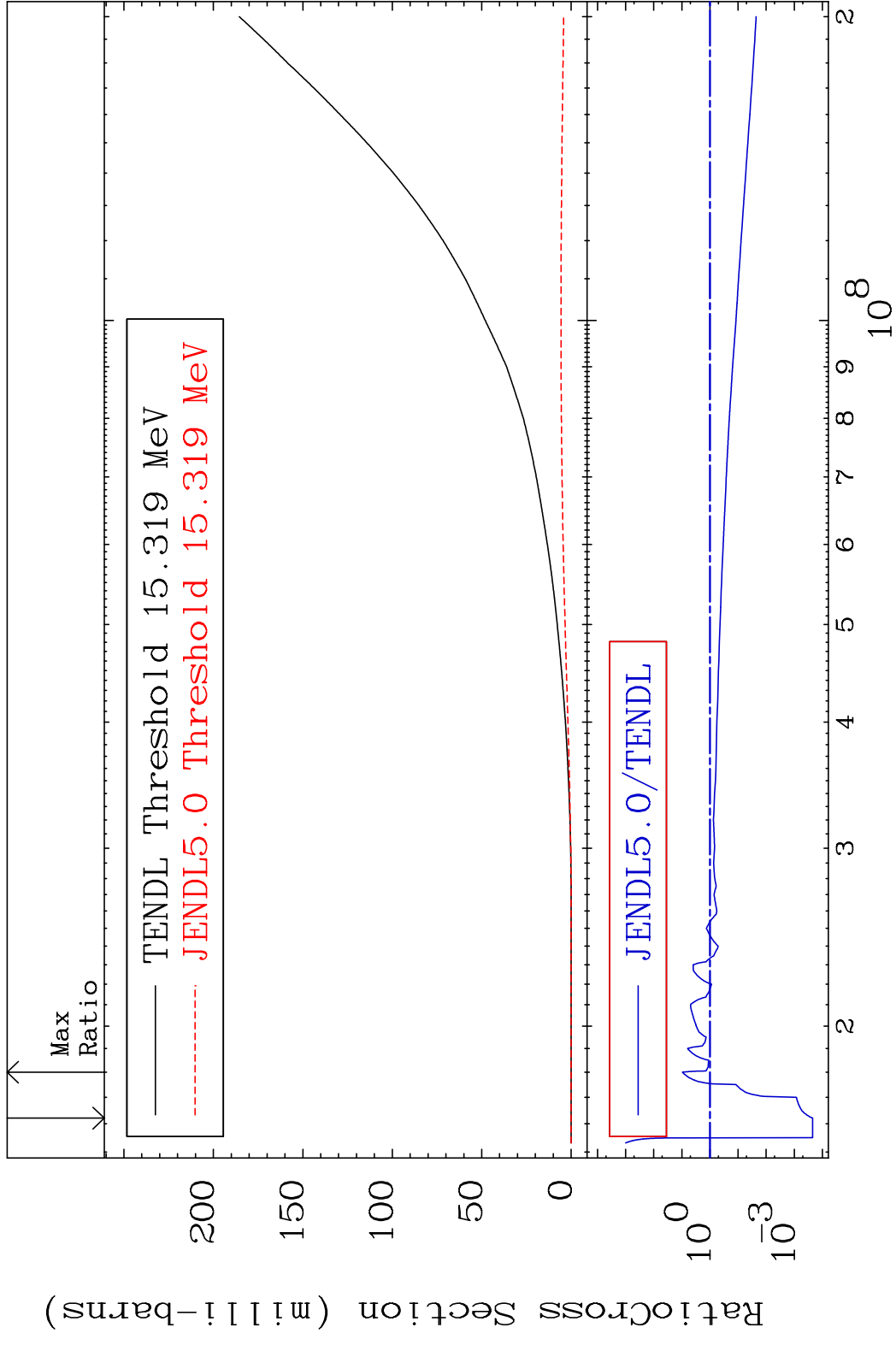
35 Incident Energy (eV) 28-Ni-64

MAT 2843

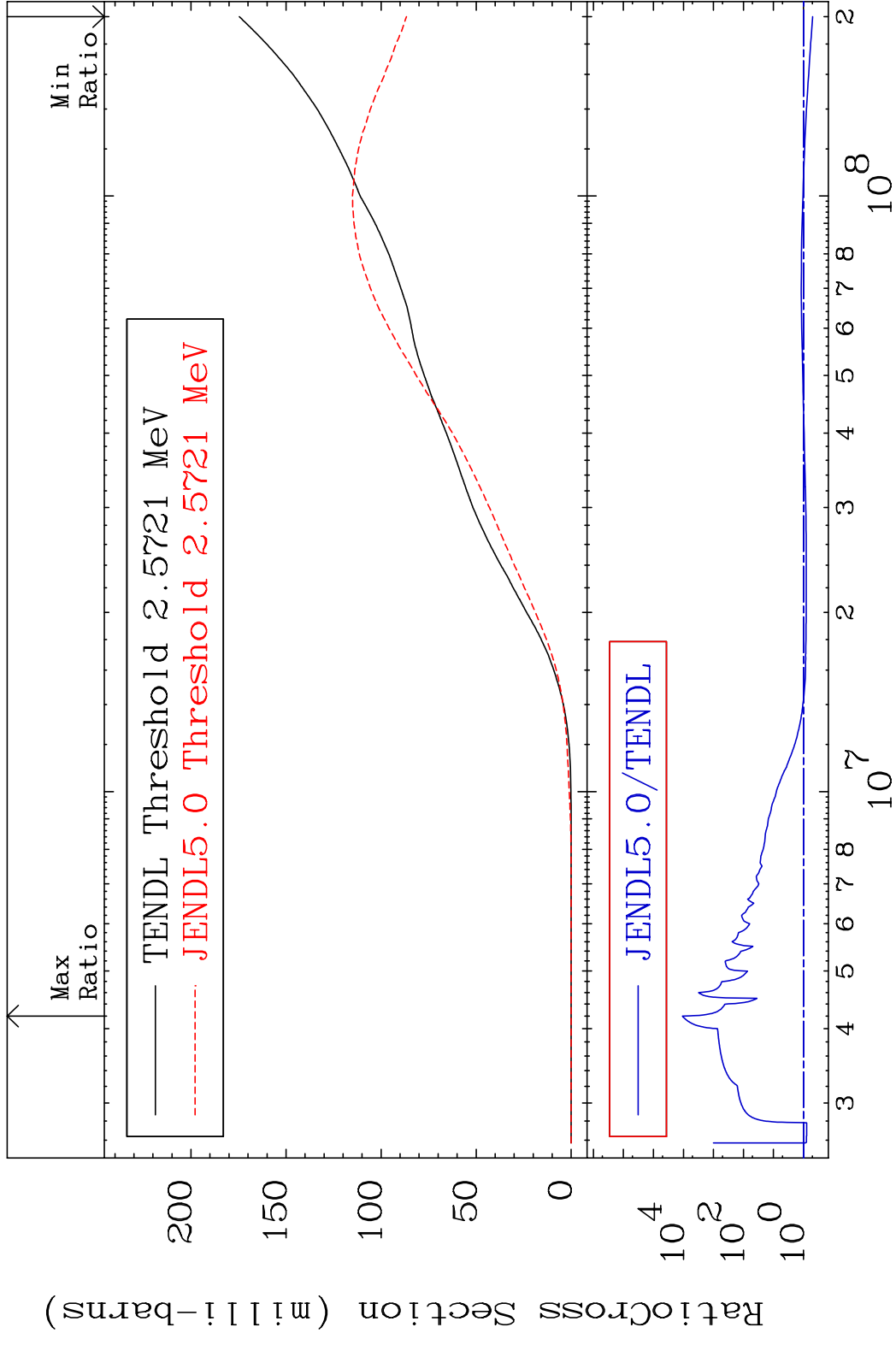
He-3 Production

28-Ni-64

Cross Section -99.98 To 858.0 %

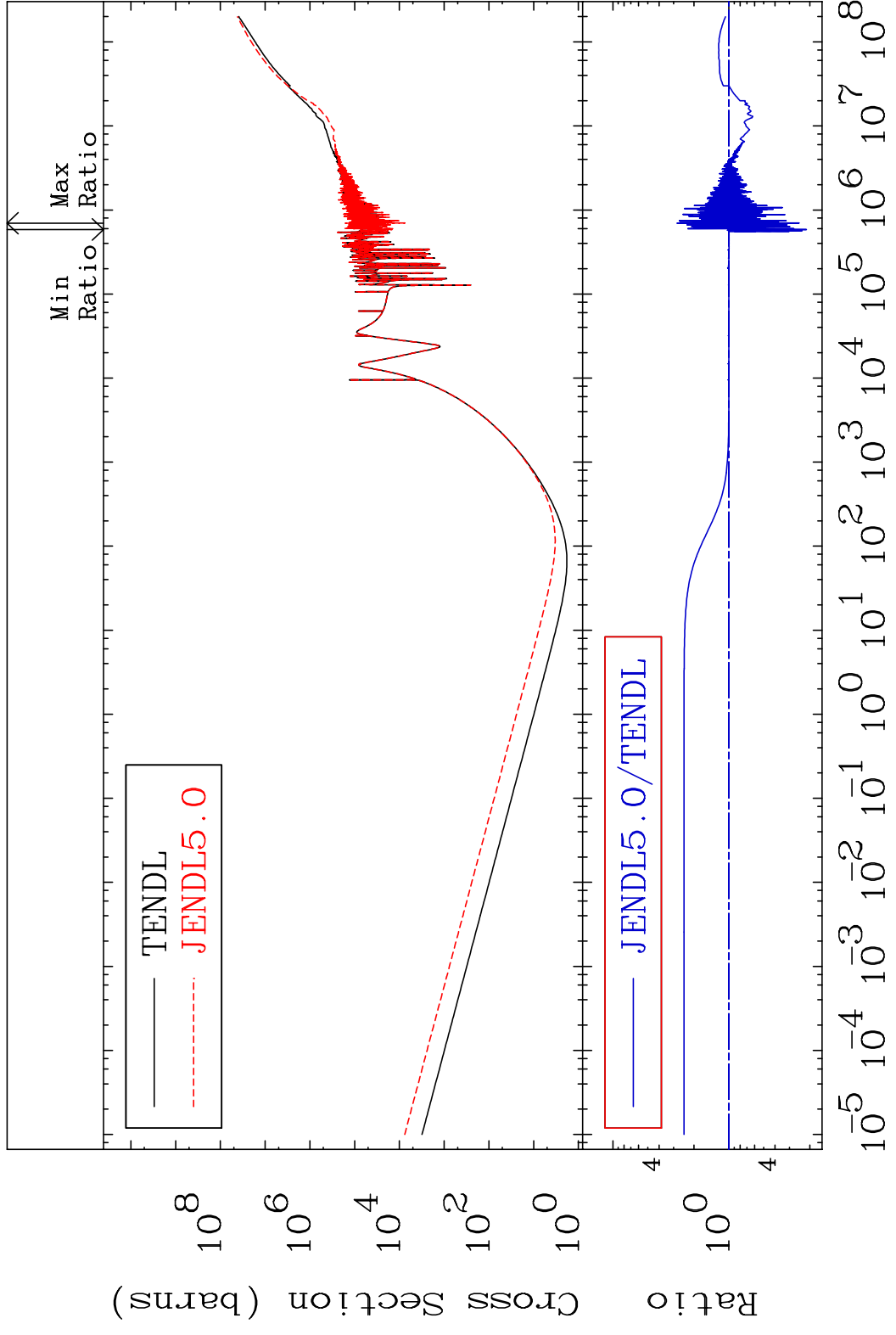


MAT 2843 He-4 Production 28-Ni-64
 Cross Section -50.34 To 9999. %



37 28-Ni-64

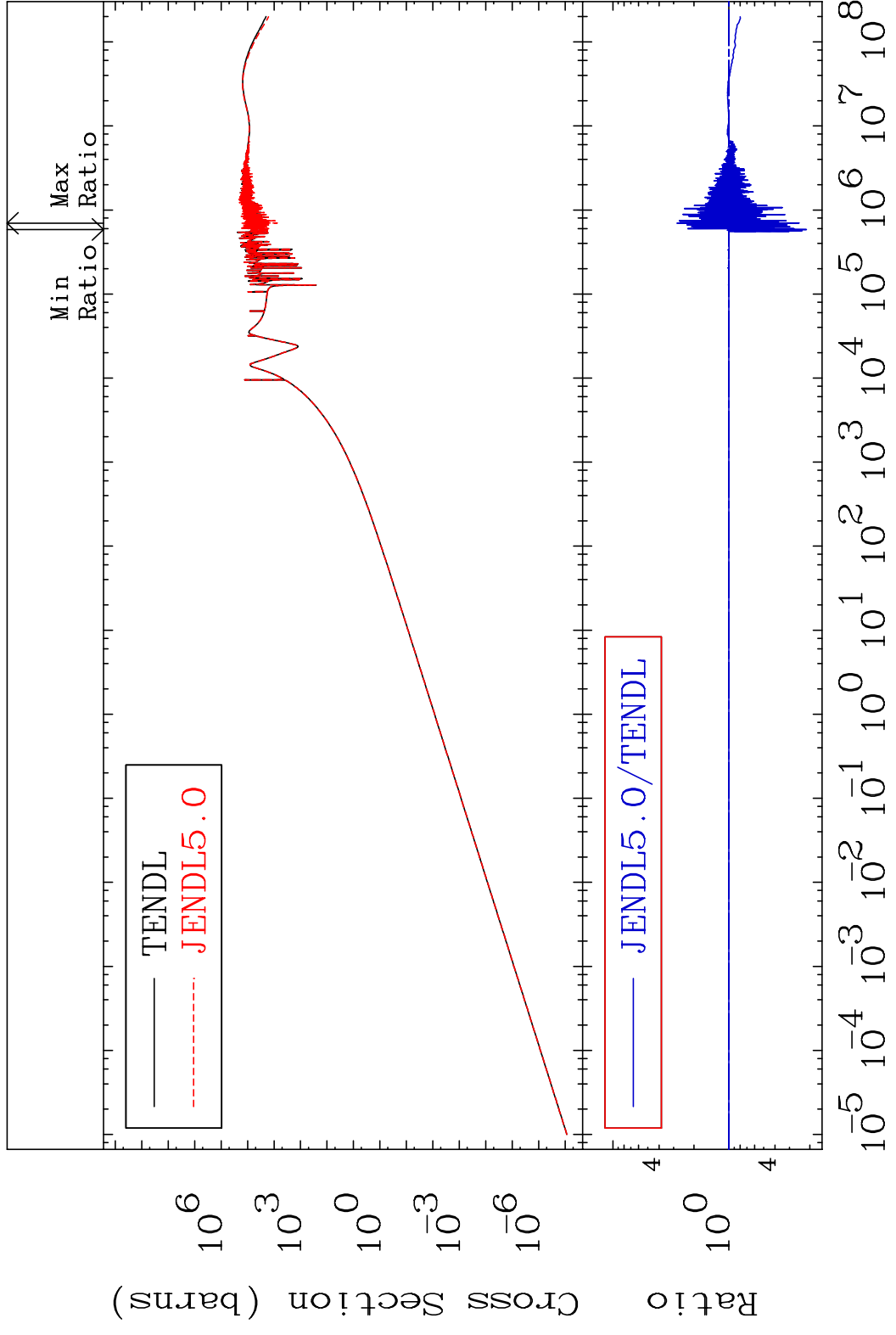
MAT 2843 Kerma total (eV-barns) 28-Ni-64
 Cross Section -78.55 To 178.9 %



MAT 2843

Kerma elastic
Cross Section

28-Ni-64
-78.55 To 178.9 %

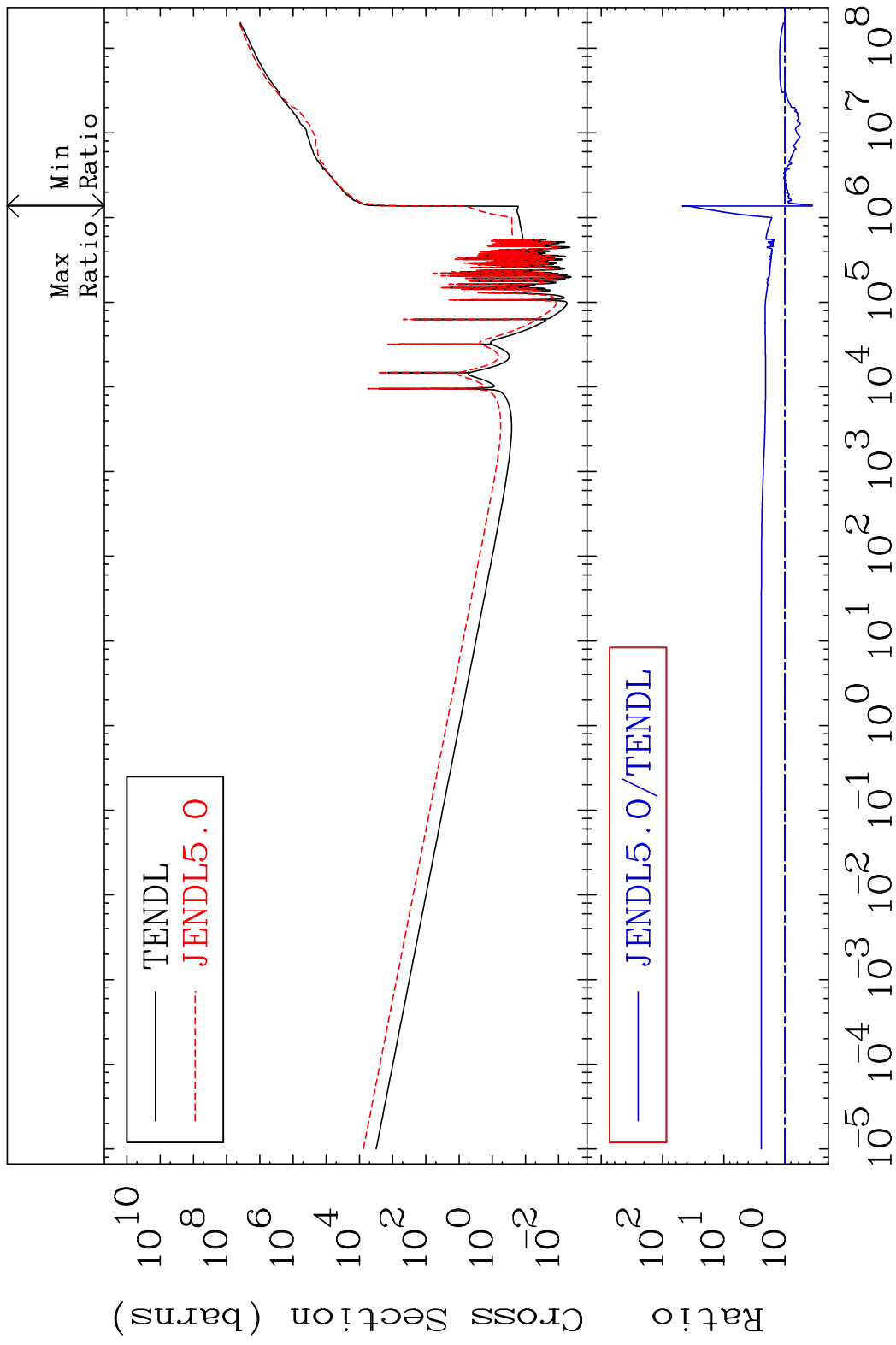


39

Incident Energy (eV)

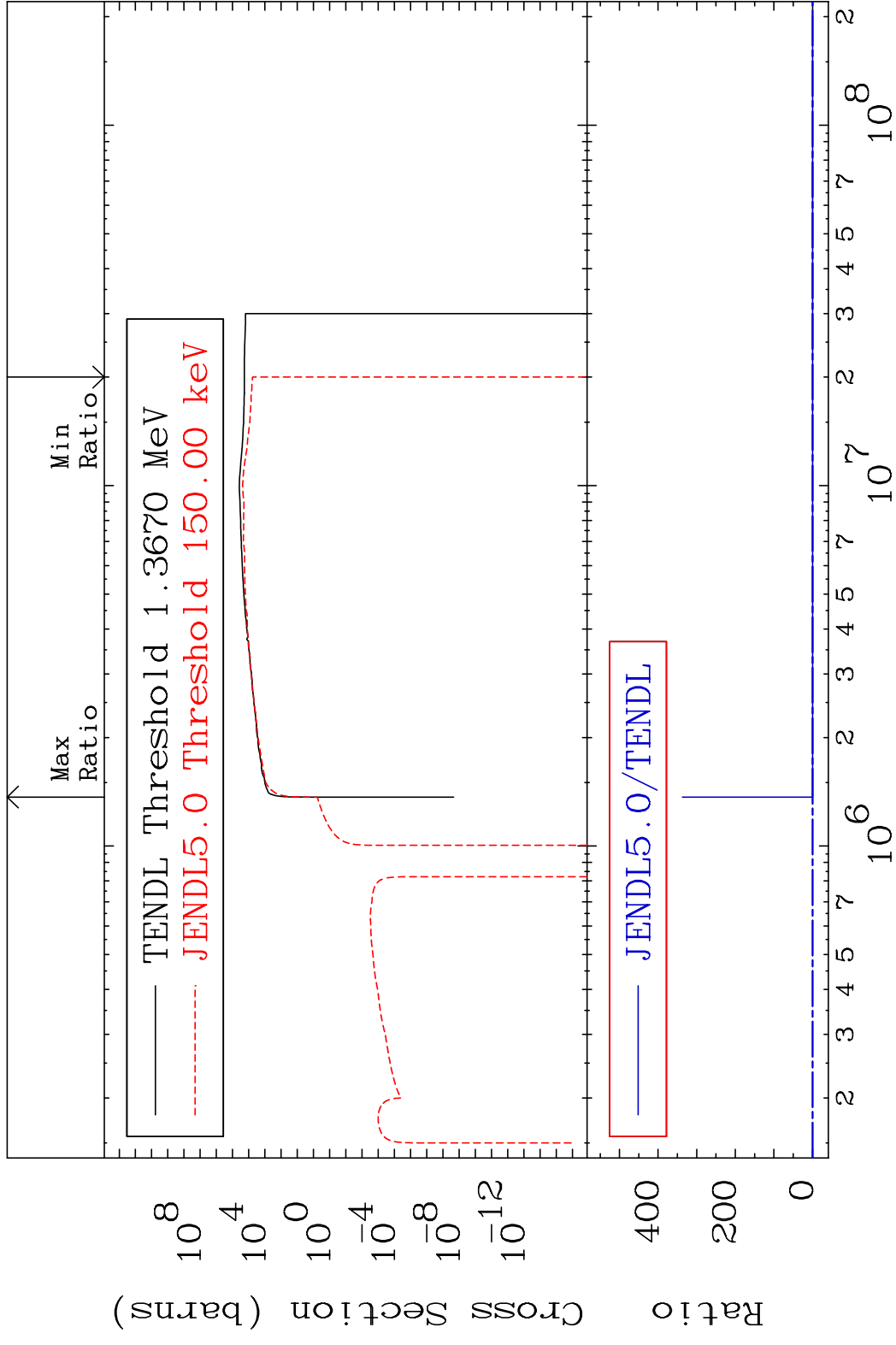
28-Ni-64

MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -64.32 To 4637. %

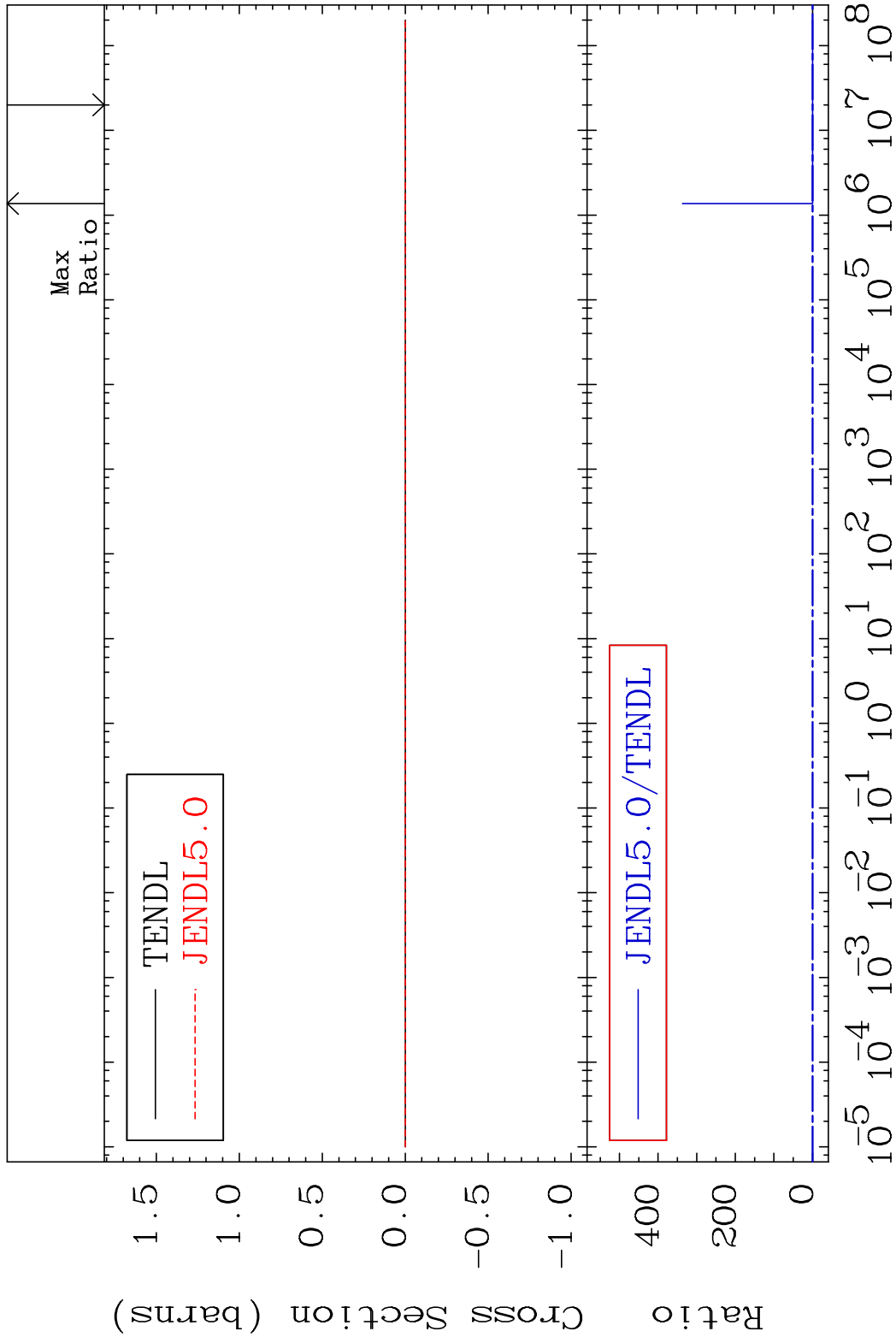


40 Incident Energy (eV) 28-Ni-64

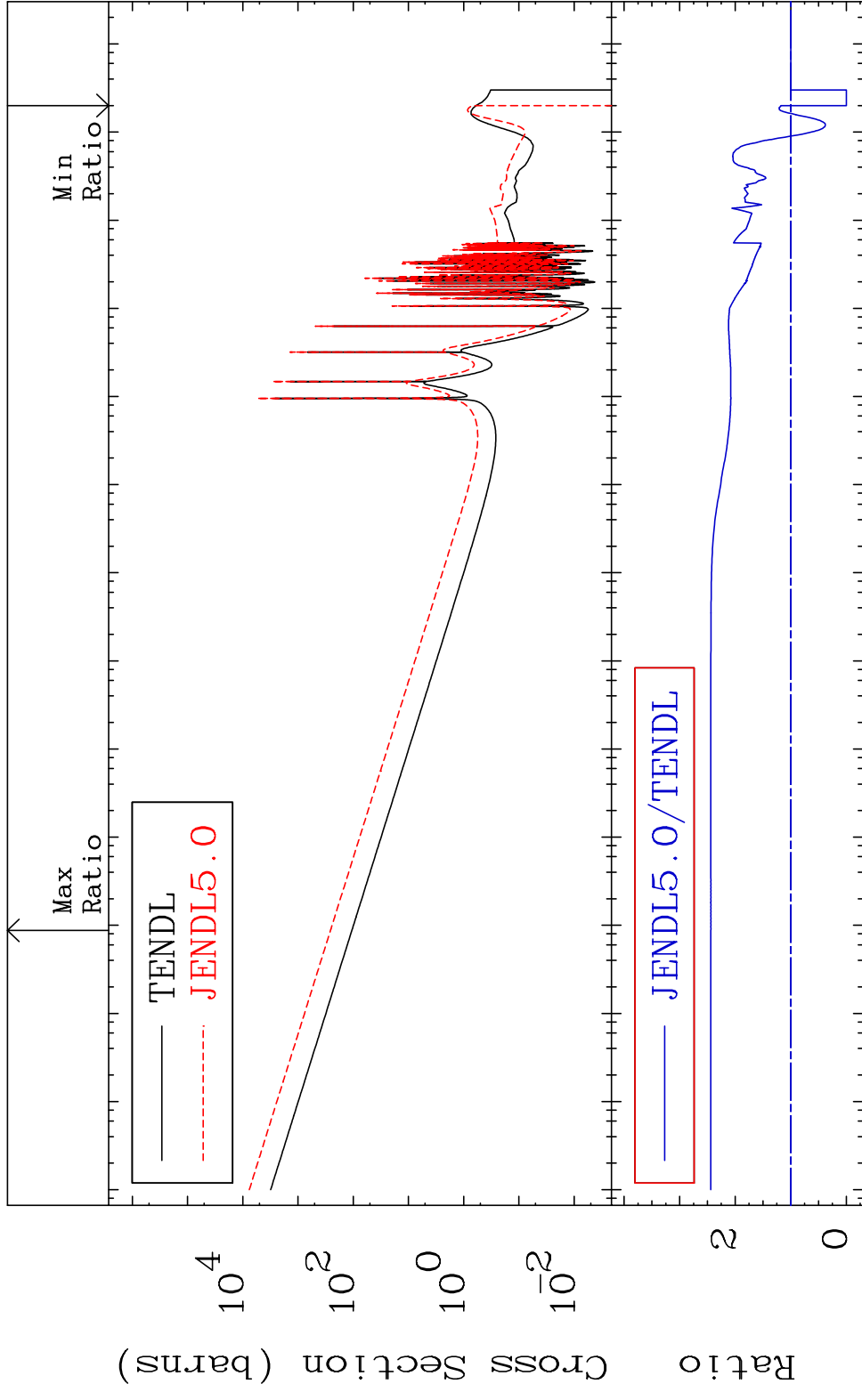
MAT 2843 Kerma inelastic (mt51-91) 28-Ni-64
 Cross Section -100.0 To 9999. %



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

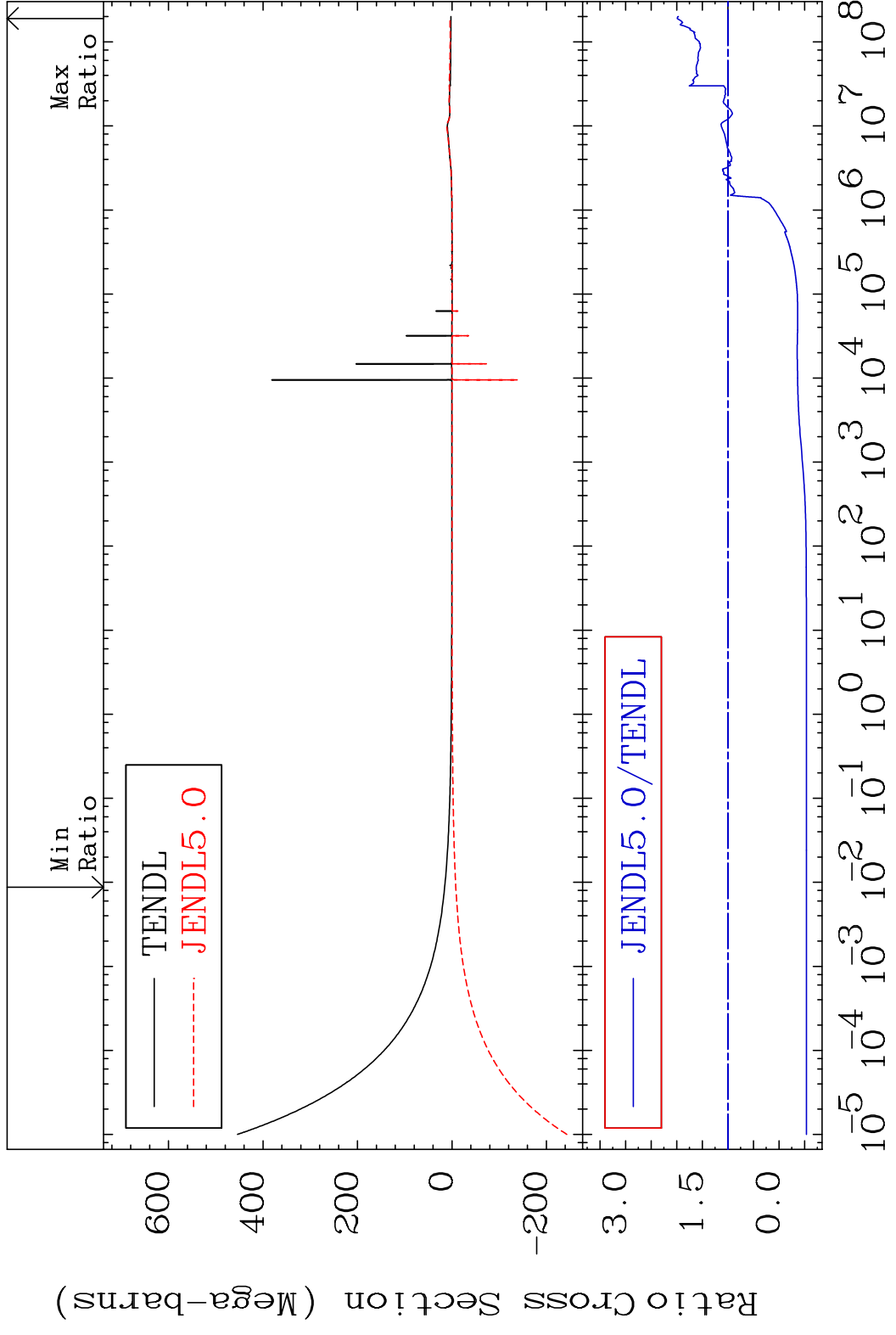


MAT 2843 Kerma capture (mt102) 28-Ni-64
Cross Section -100.0 To 144.1 %



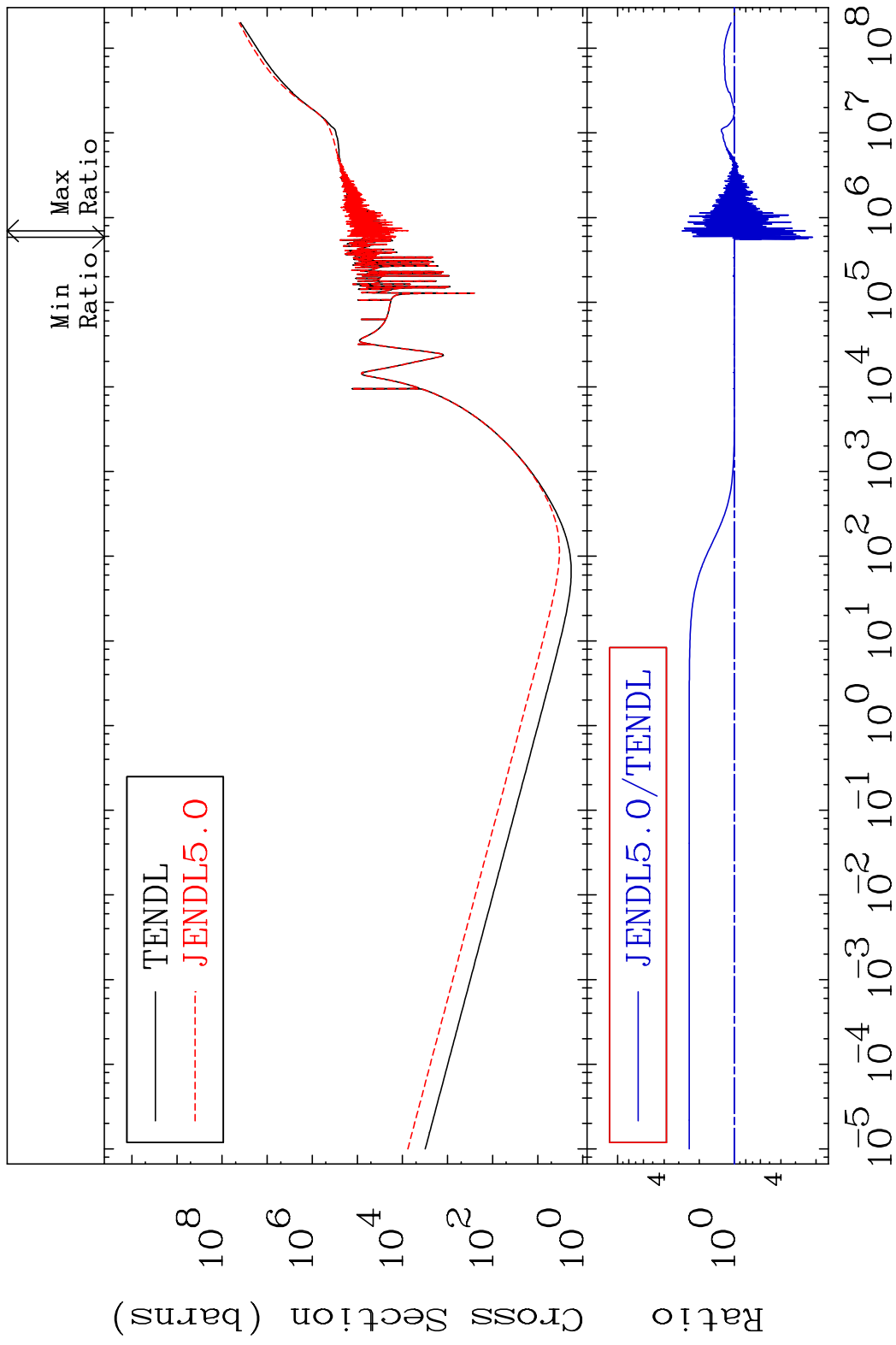
43 Incident Energy (eV) 28-Ni-64

MAT 2843 Total photon (eV-barns) 28-Ni-64
 Cross Section -153.6 To 99.09 %

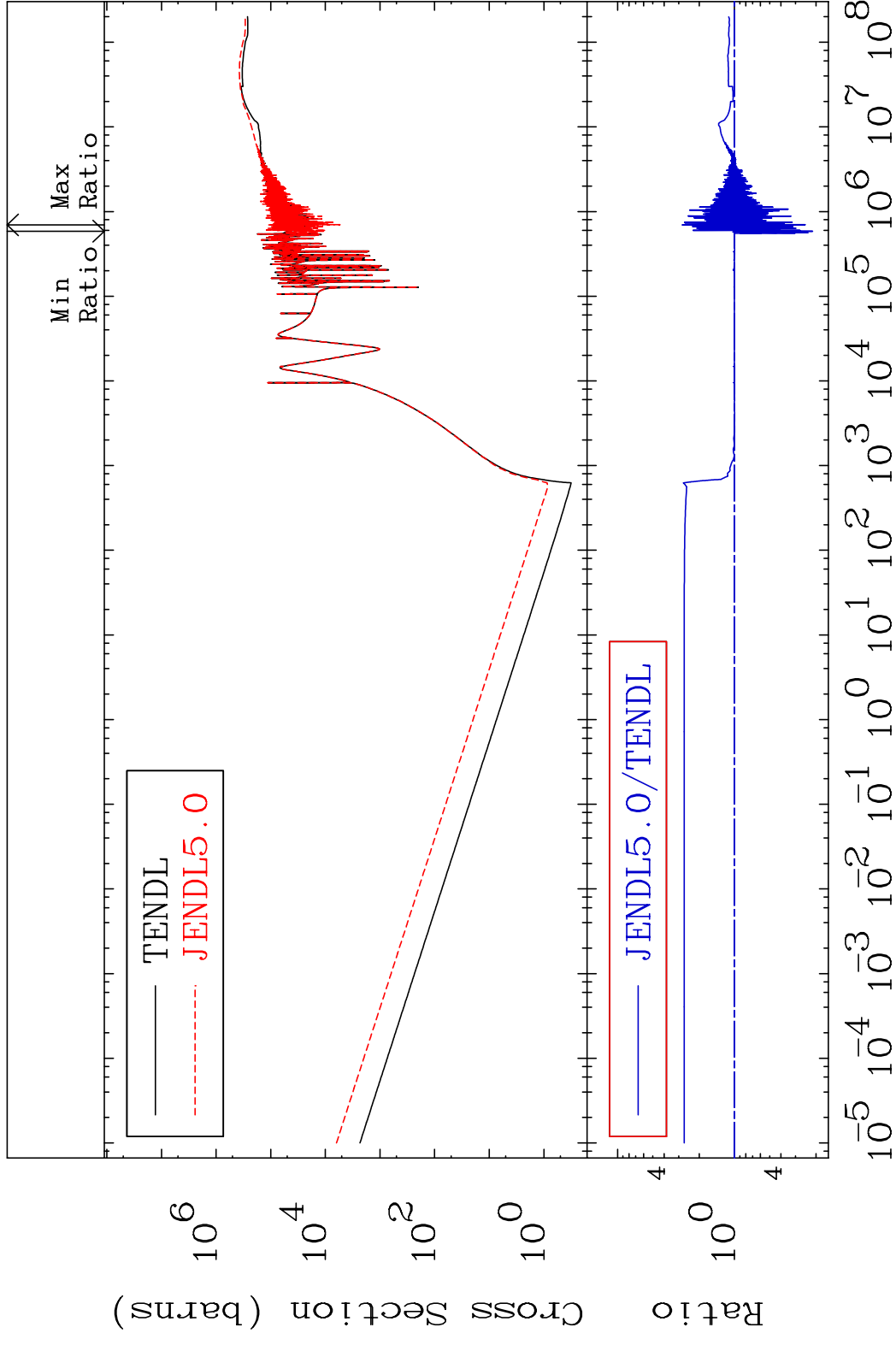


44 Incident Energy (eV) 28-Ni-64

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 179.3 %



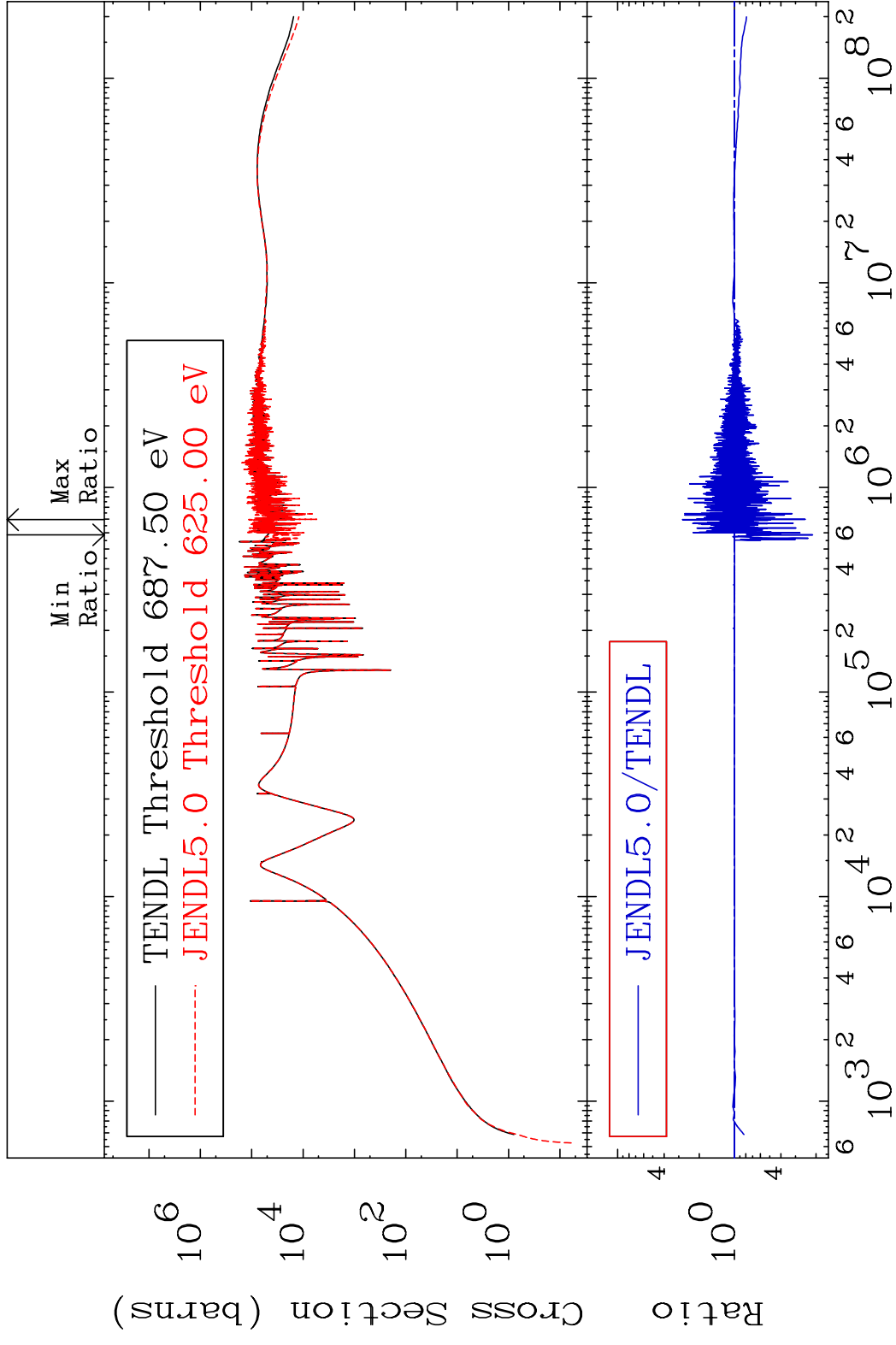
46 Incident Energy (eV) 28-Ni-64

MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -78.54 To 179.3 %

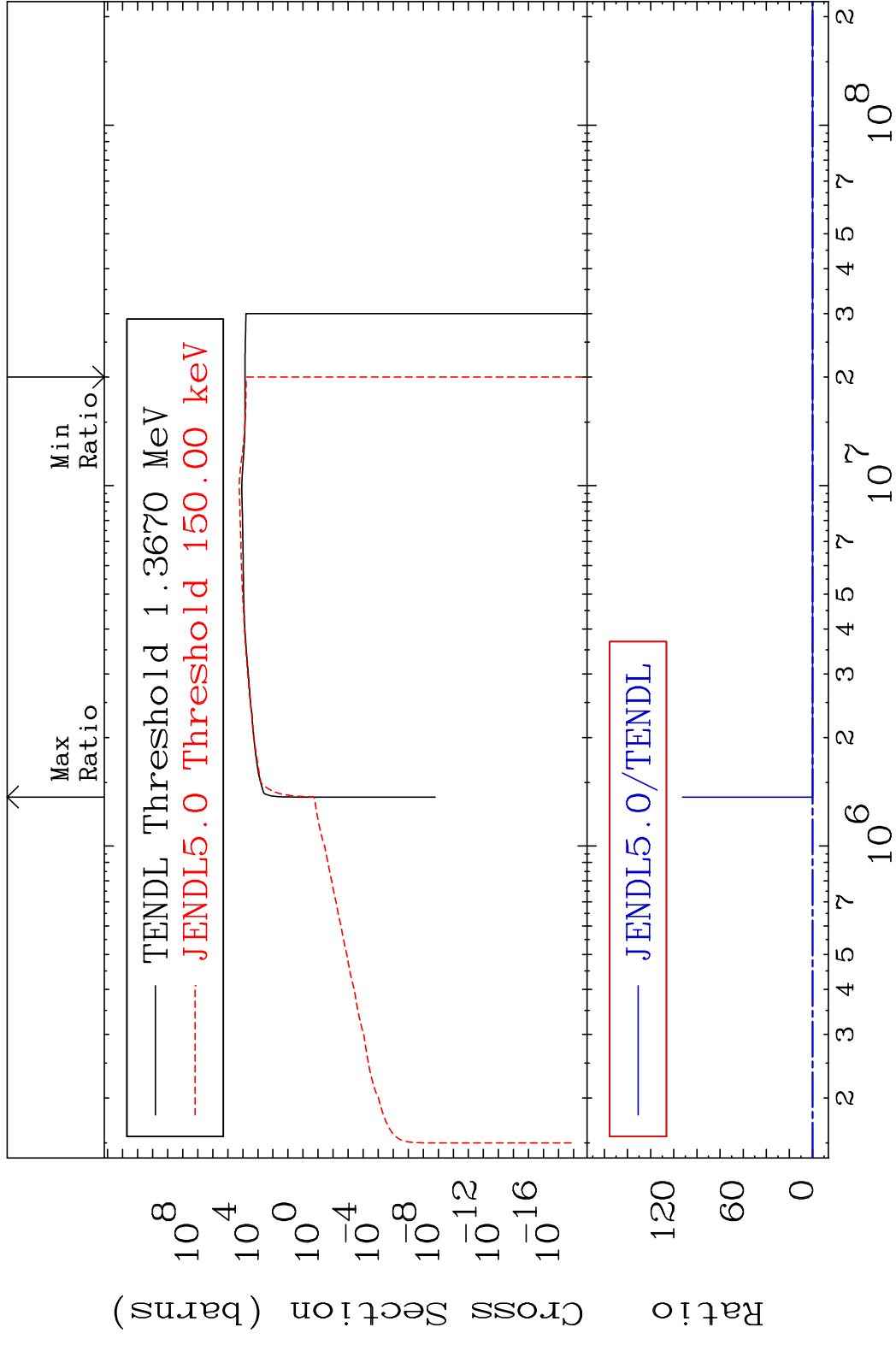


47

Incident Energy (eV)

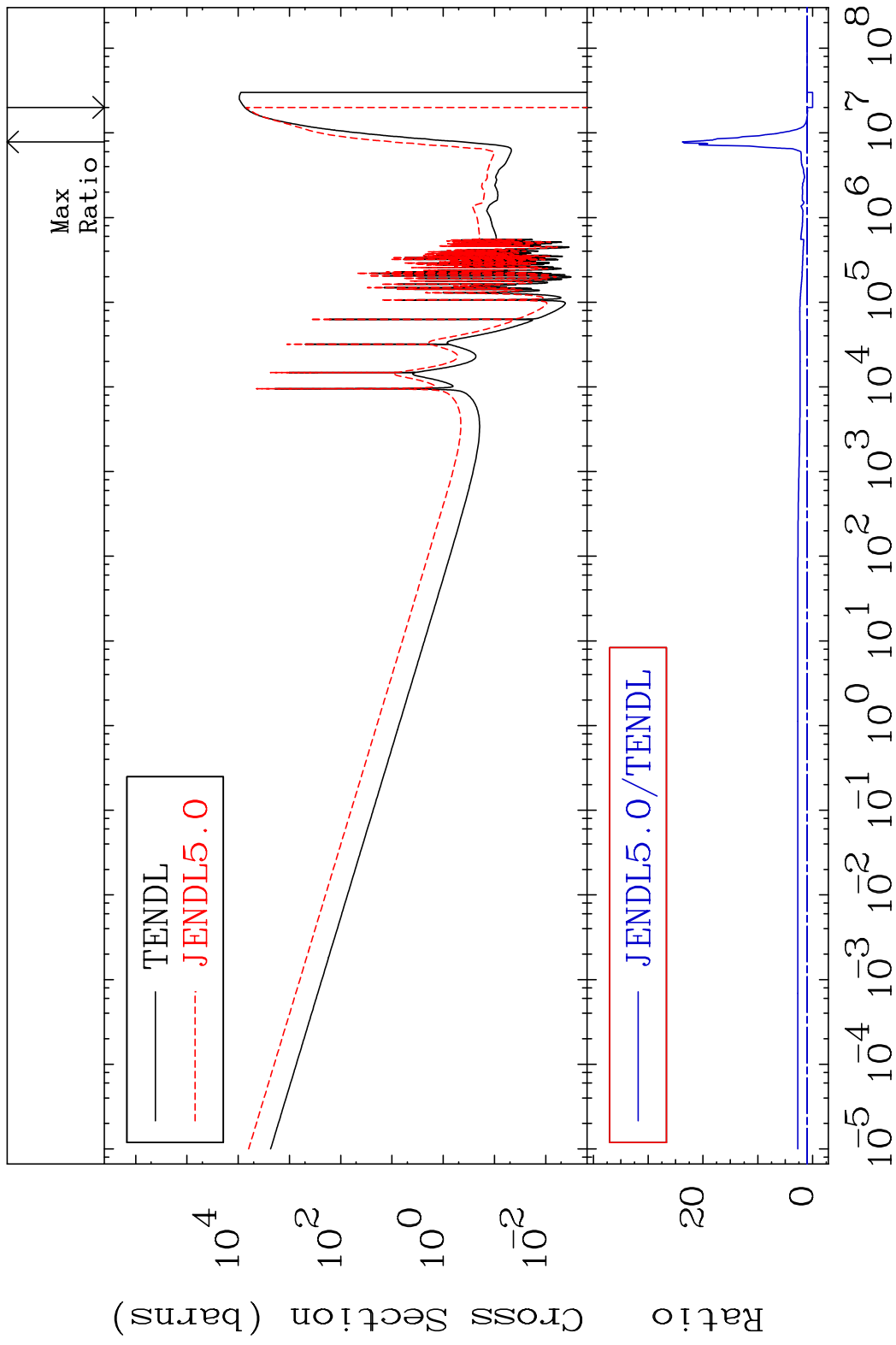
28-Ni-64

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



48 Incident Energy (eV) 28-Ni-64

MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
Cross Section -100.0 To 2277. %

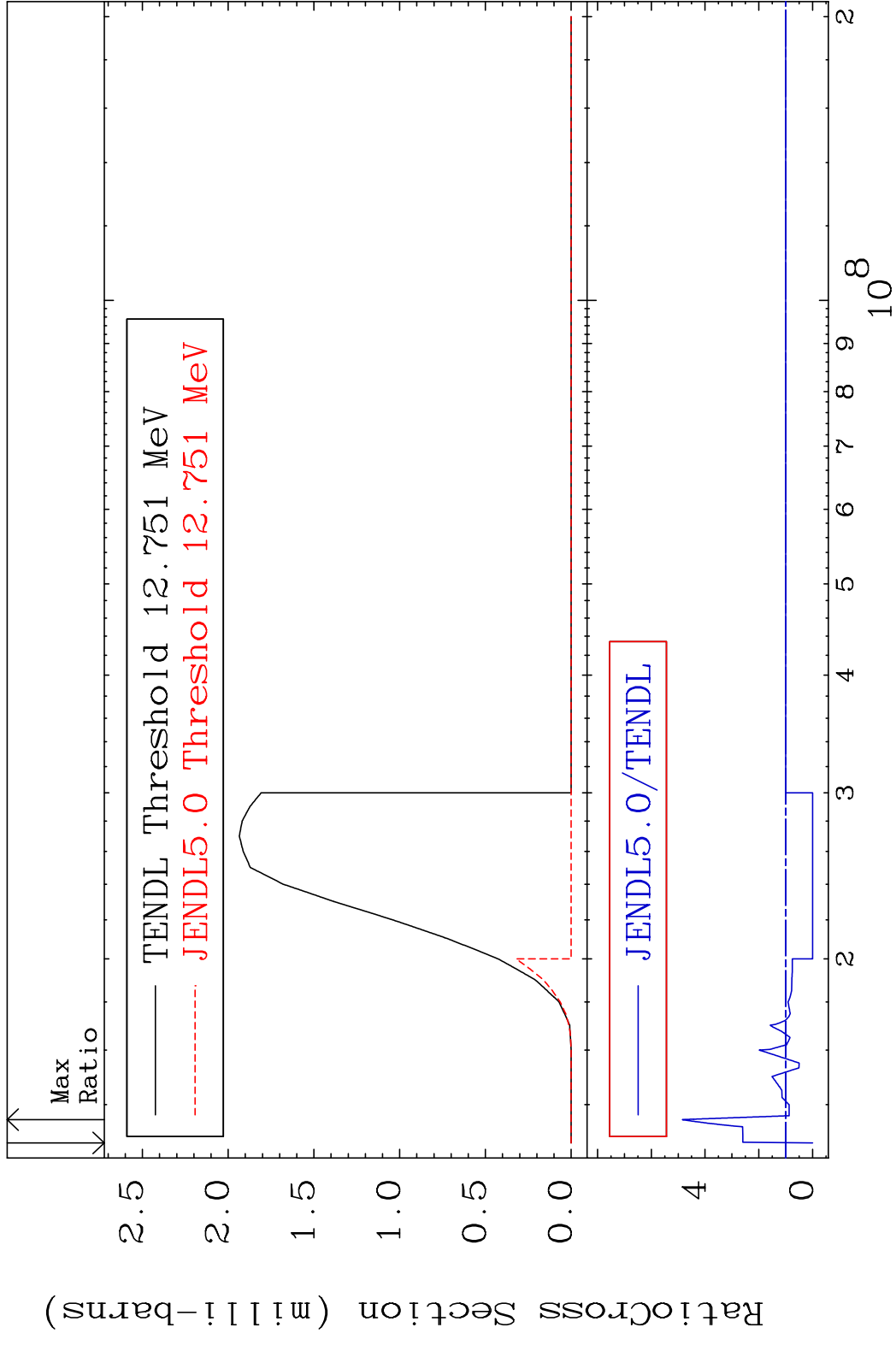


49

Incident Energy (eV)

28-Ni-64

MAT 2843 (n, t): 27-Co-62g 28-Ni-64
 Radionuclide Production Cross Section 180.0 mb 384.5 %



MAT 2843 (n,t):27-Co-62m1 28-Ni-64
 Radionuclide Production Cross Section 100.00 %
 100.00 %

