

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

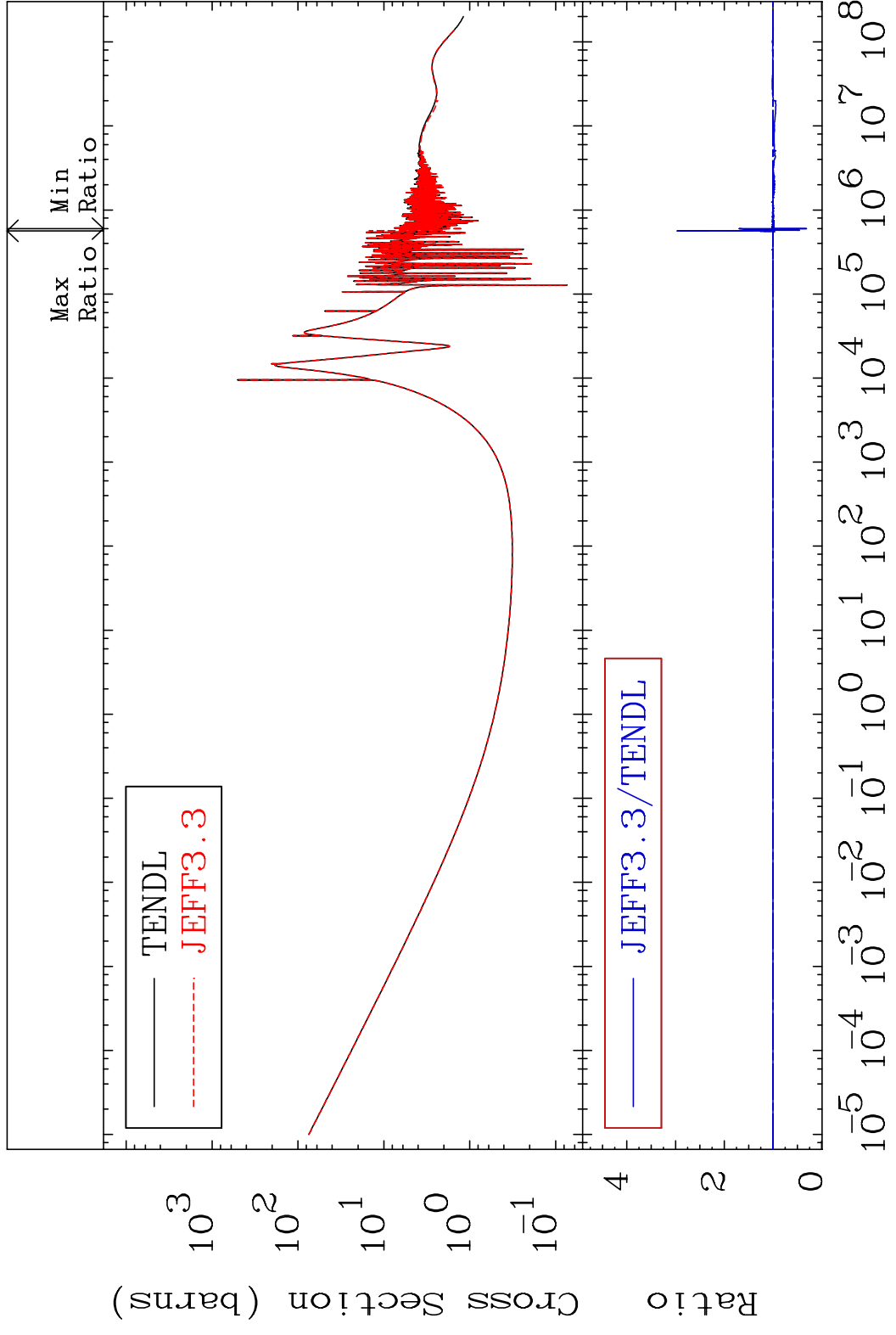
MAT 2843

Total

28-Ni-64

Cross Section

-68.60 To 196.7 %



1

Incident Energy (eV)

28-Ni-64

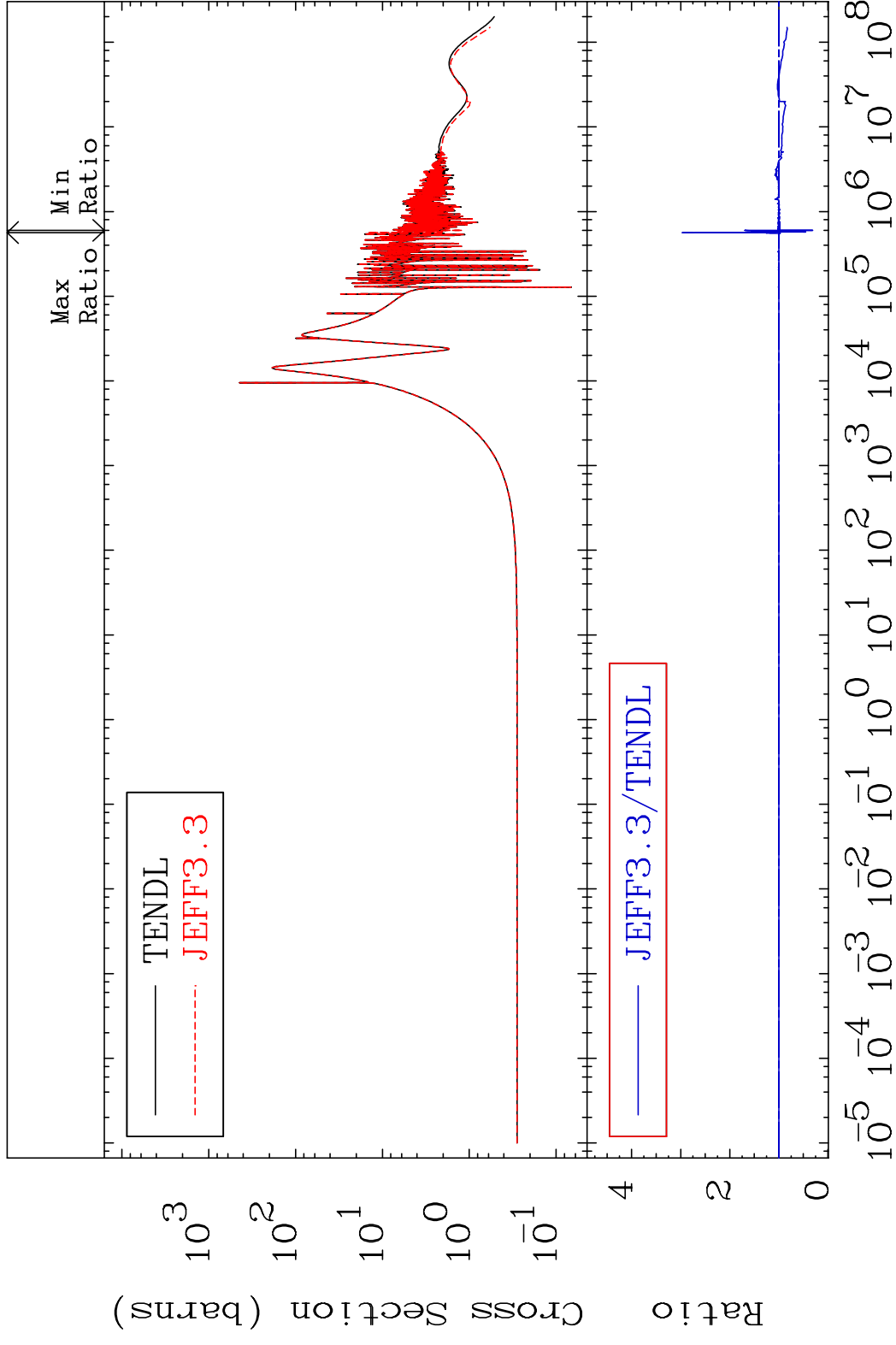
MAT 2843

Elastic

28-Ni-64

Cross Section

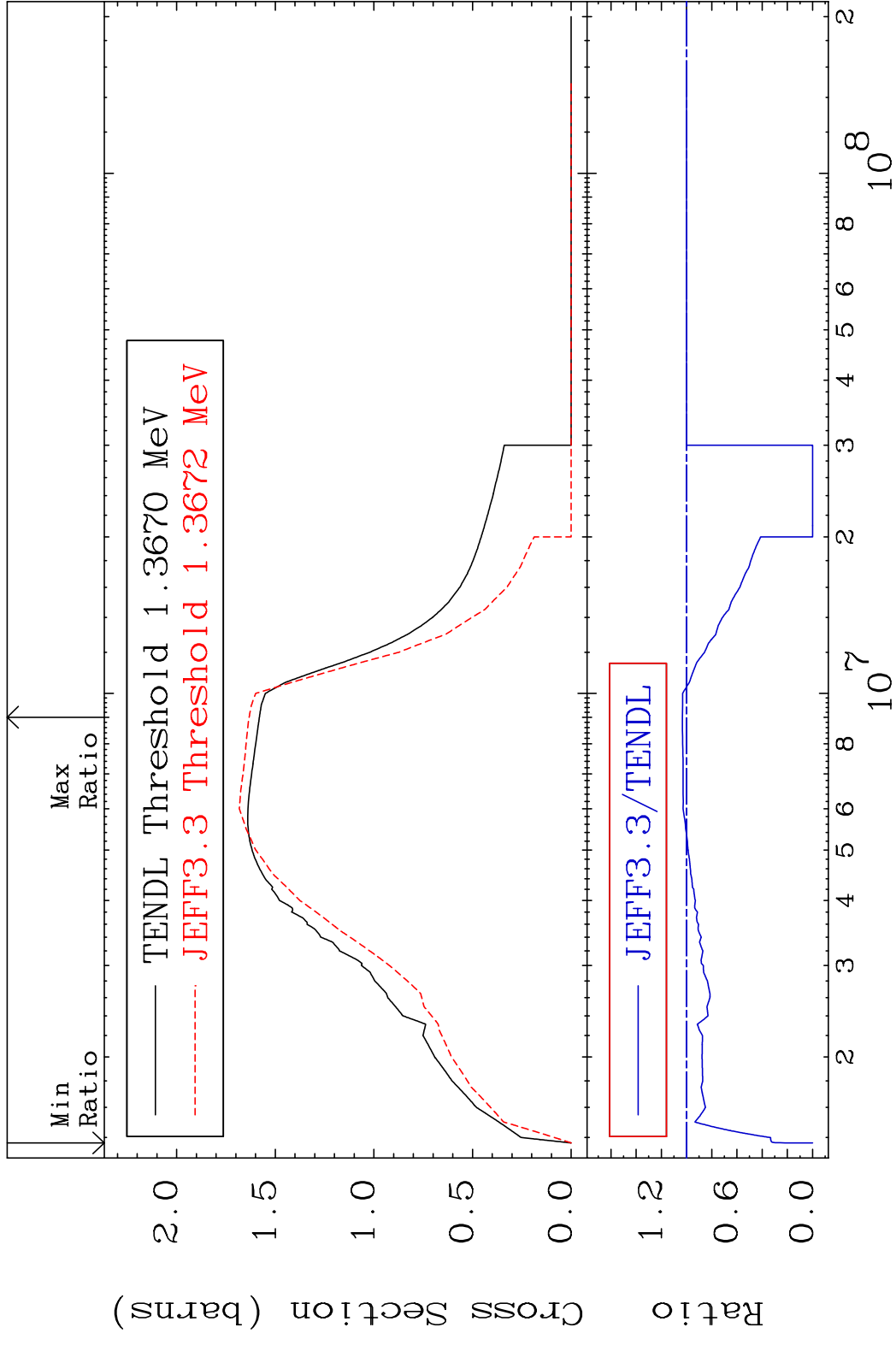
-68.73 To 196.6 %



Incident Energy (eV)

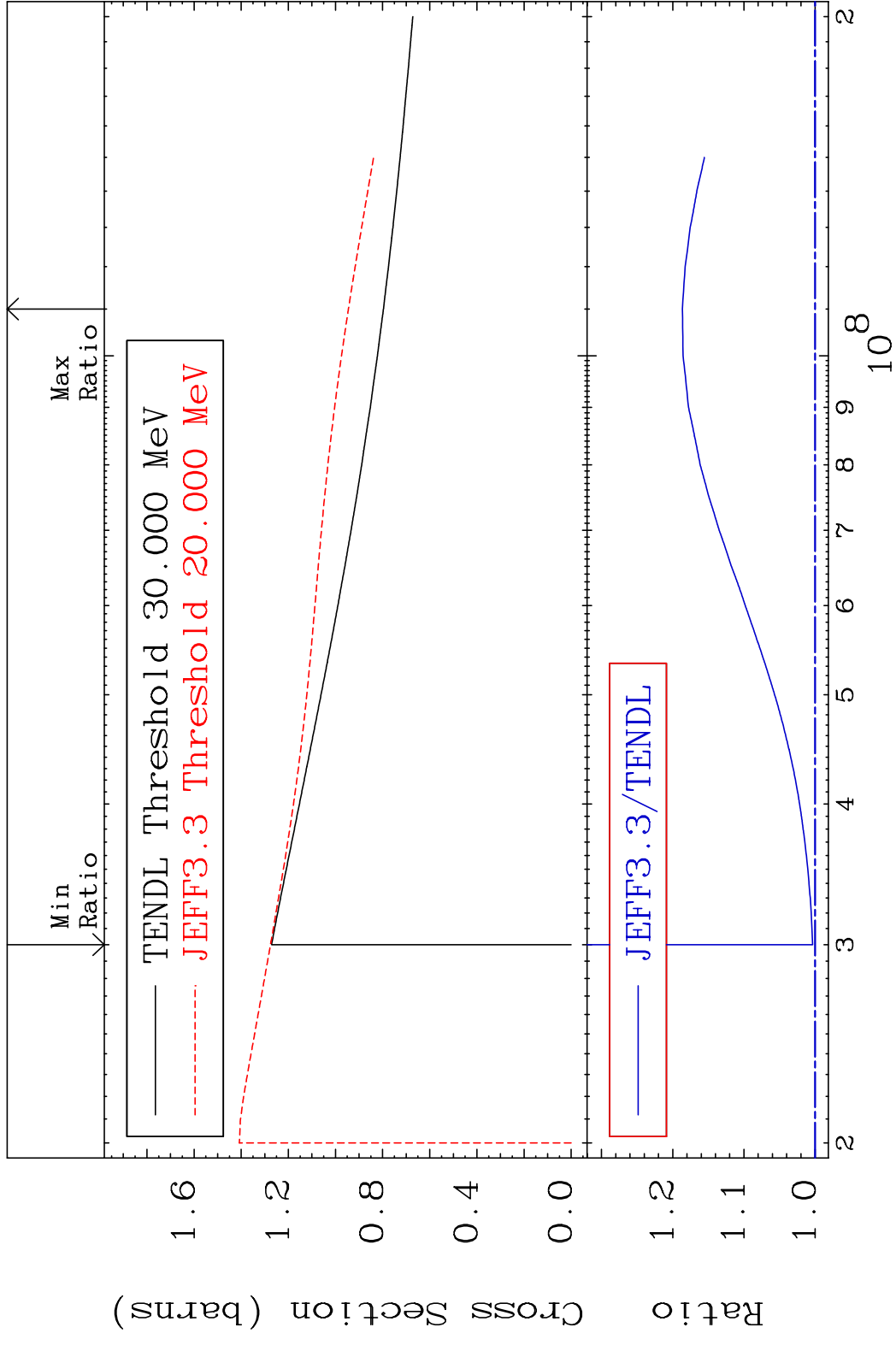
28-Ni-64

MAT 2843 Inelastic 28-Ni-64
 Cross Section -100.0 To 3.309 %



3 Incident Energy (eV) 28-Ni-64

MAT 2843 (n, remainder) 28-Ni-64
 Cross Section 0.364 To 18.65 %



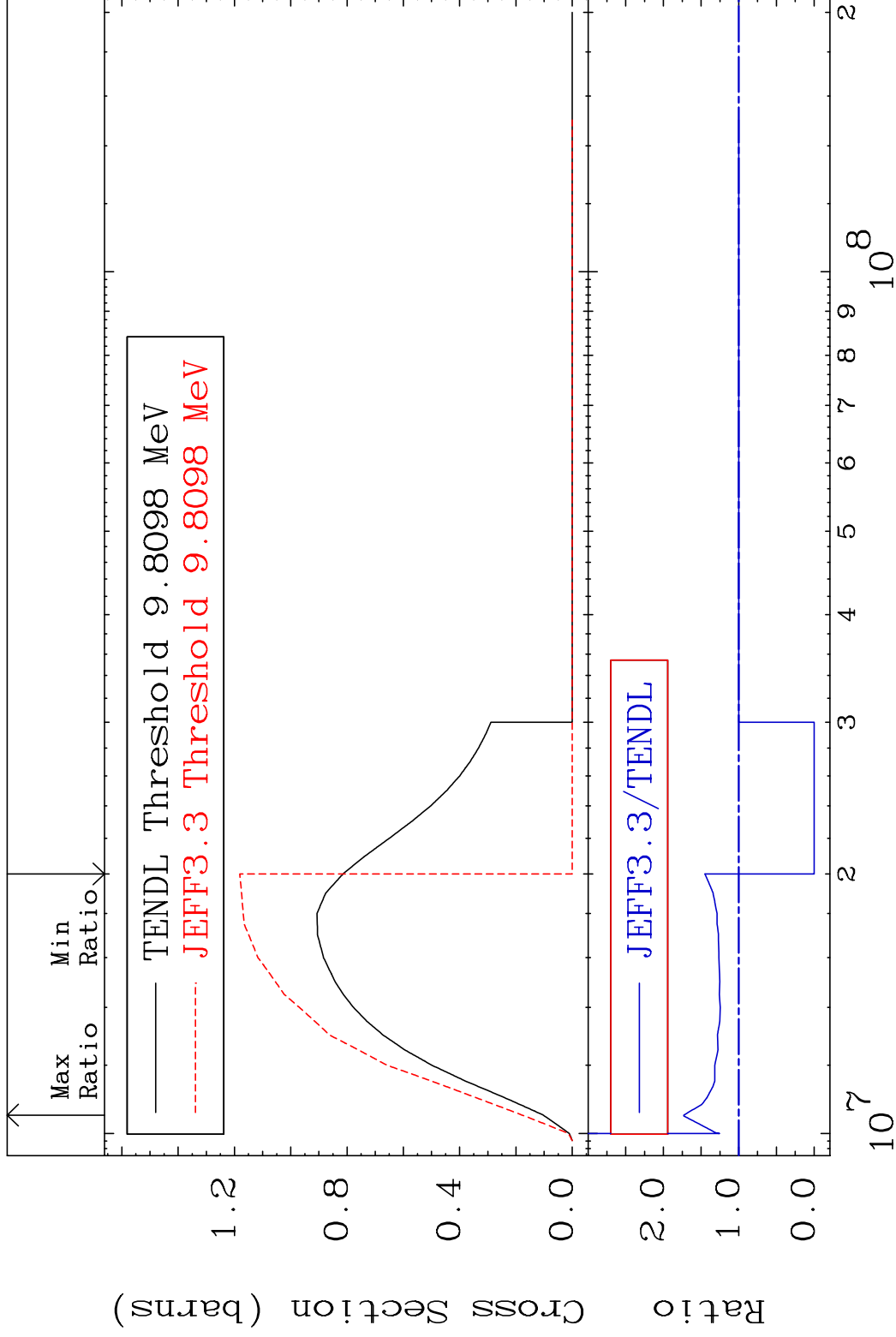
4 Incident Energy (eV) 28-Ni-64

MAT 2843

(n,2n)

²⁸Ni-64

Cross Section -100.0 To 73.15 %

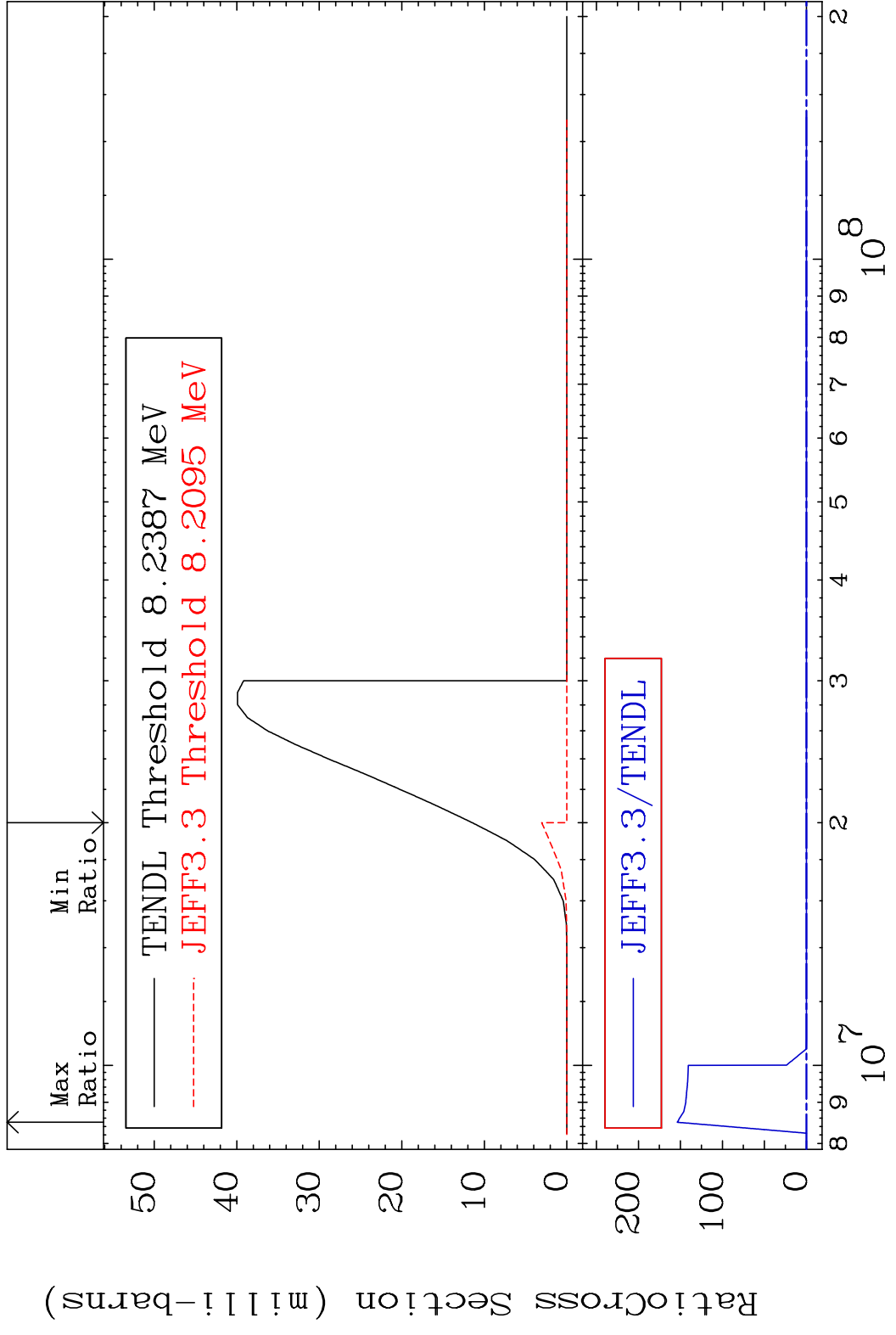


5

Incident Energy (eV)

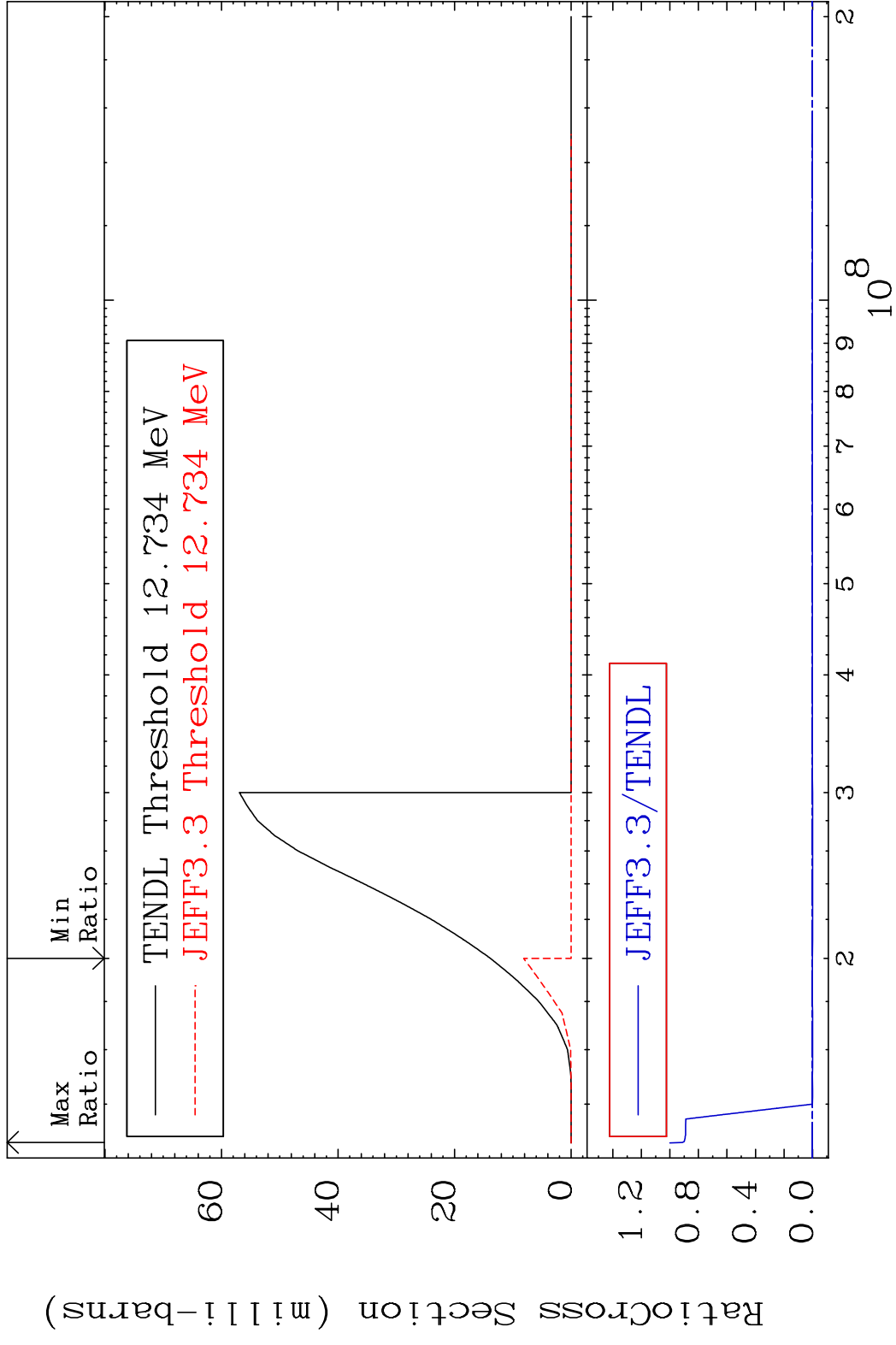
²⁸Ni-64

MAT 2843 (n, n') α 28-Ni-64
 Cross Section -100.0 To 9999. %

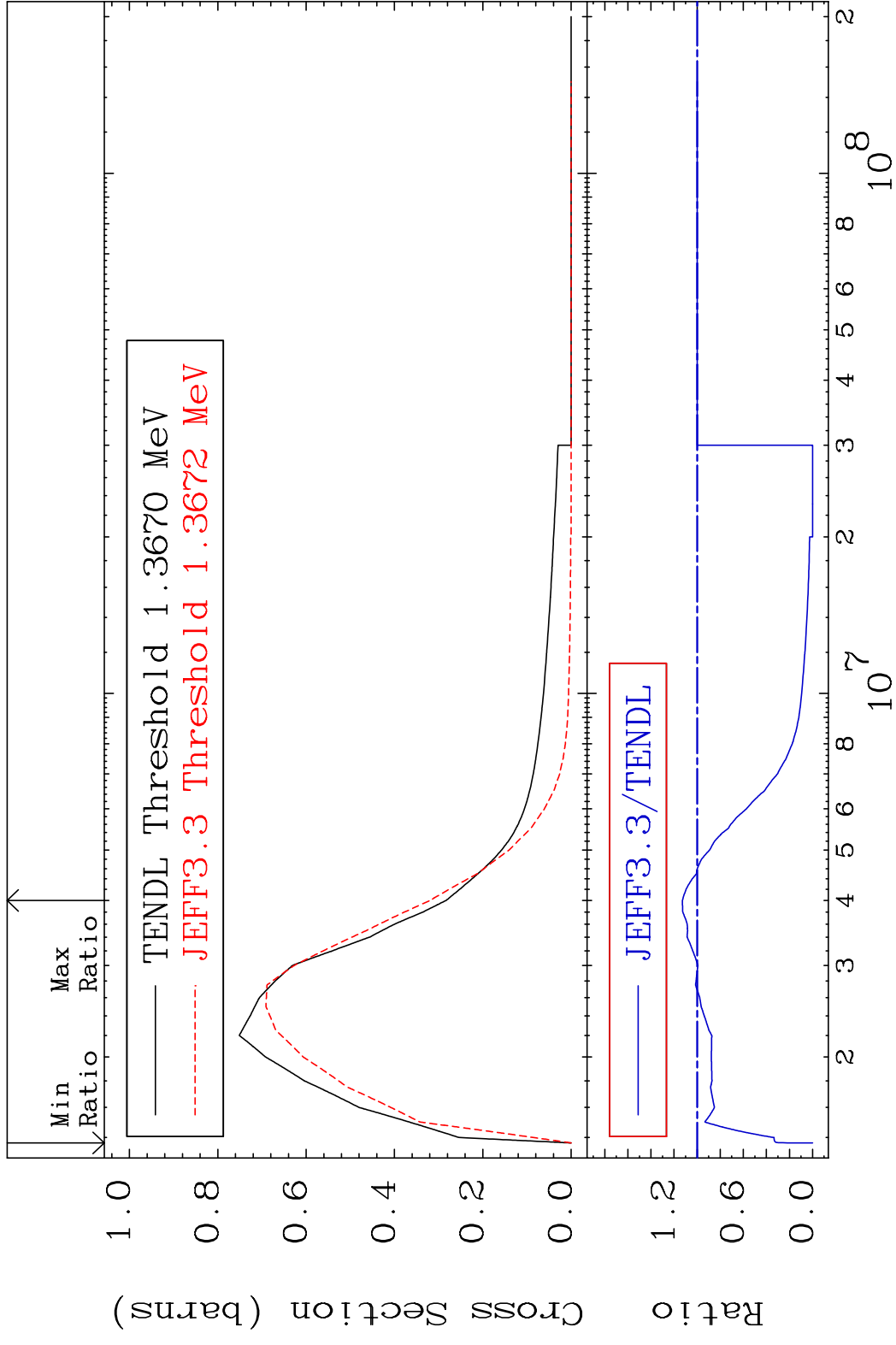


6 Incident Energy (eV) 28-Ni-64

MAT 2843 (n, n') p 28-Ni-64
 Cross Section -100.0 To 9999. %

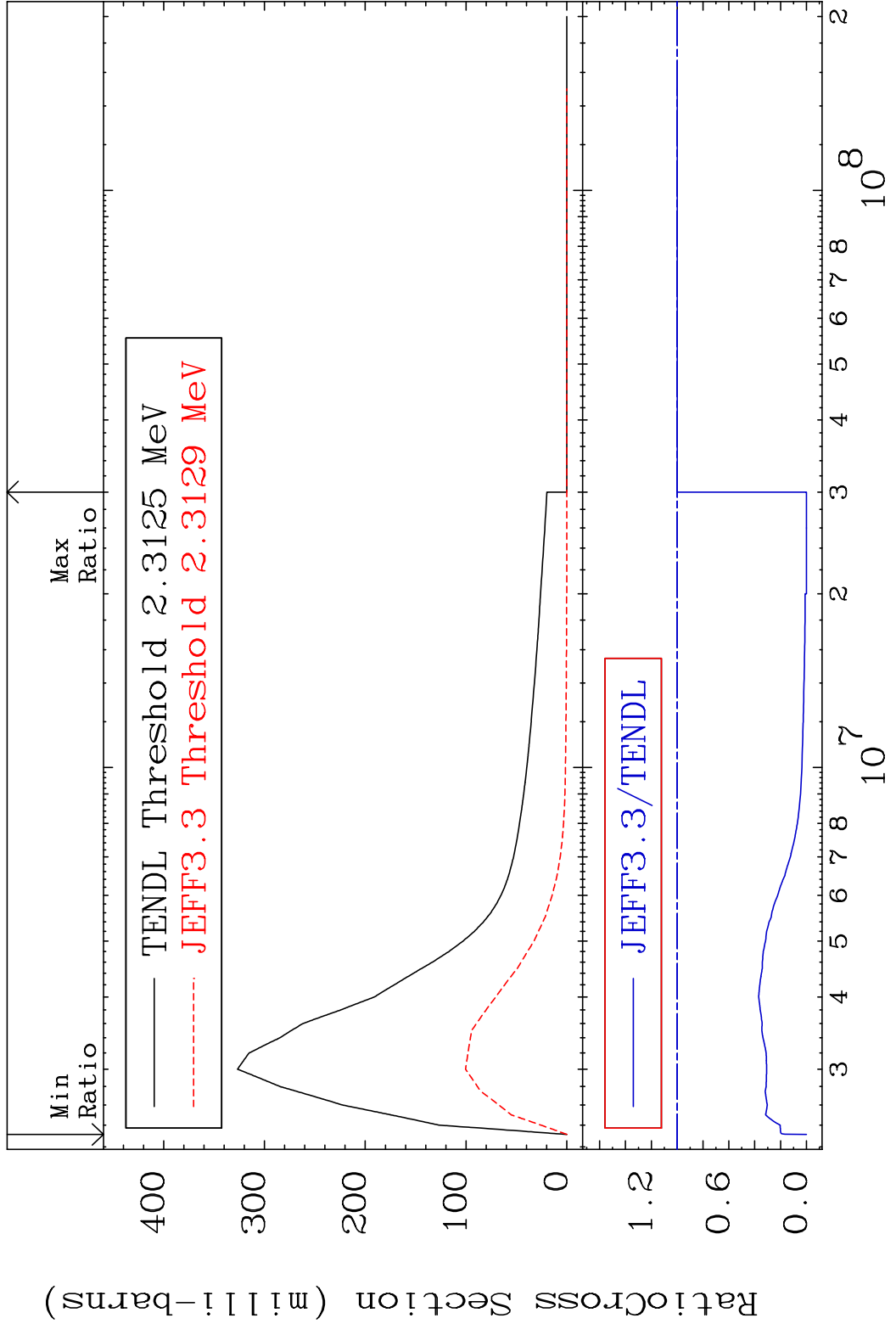


MAT 2843 MT= 51 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 12.81 %

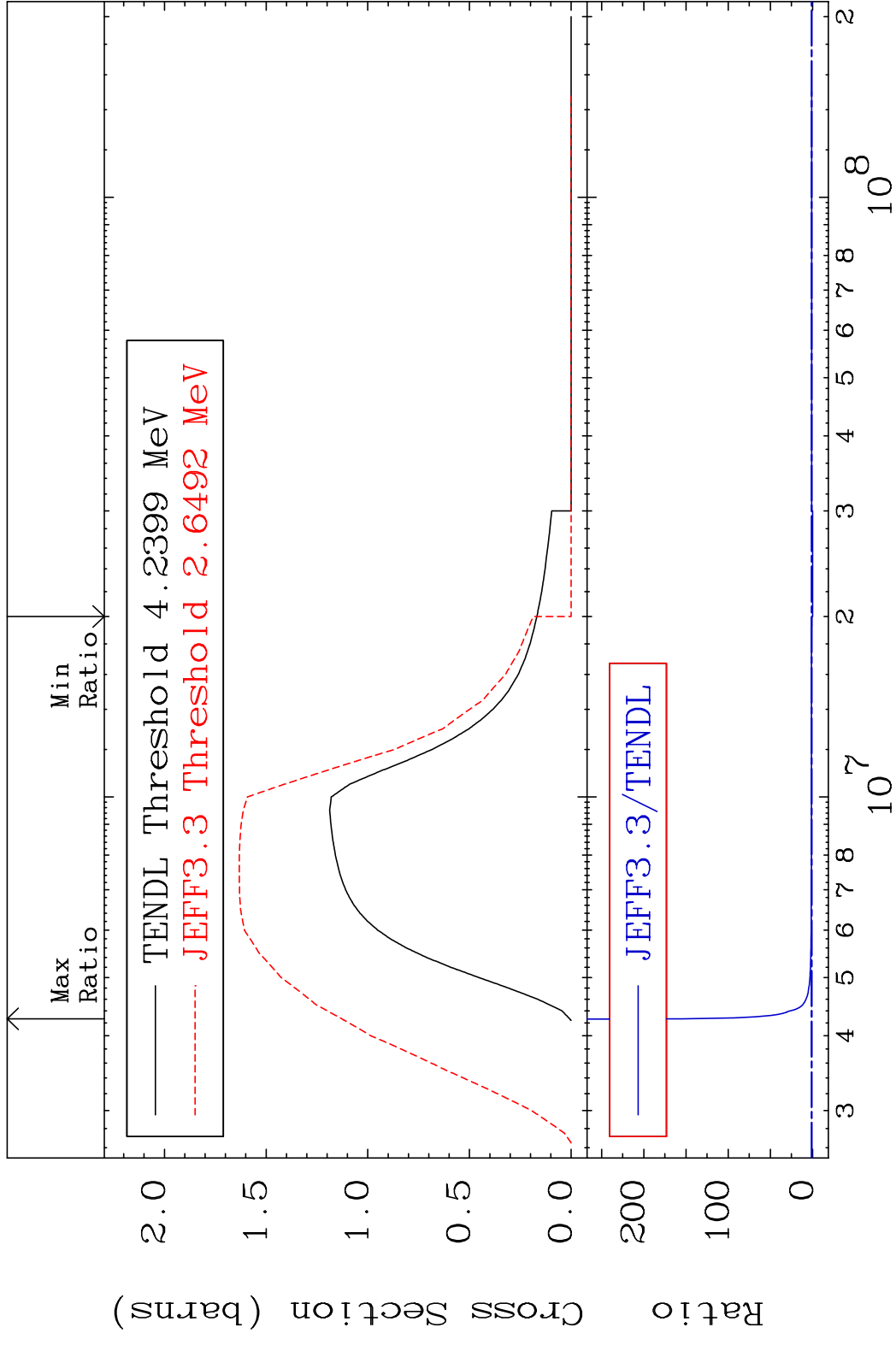


8 Incident Energy (eV) 28-Ni-64

MAT 2843 MT= 52 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 0.000 %



MAT 2843 (n,n') Continuum 28-Ni-64
 Cross Section -100.0 To 9999. %



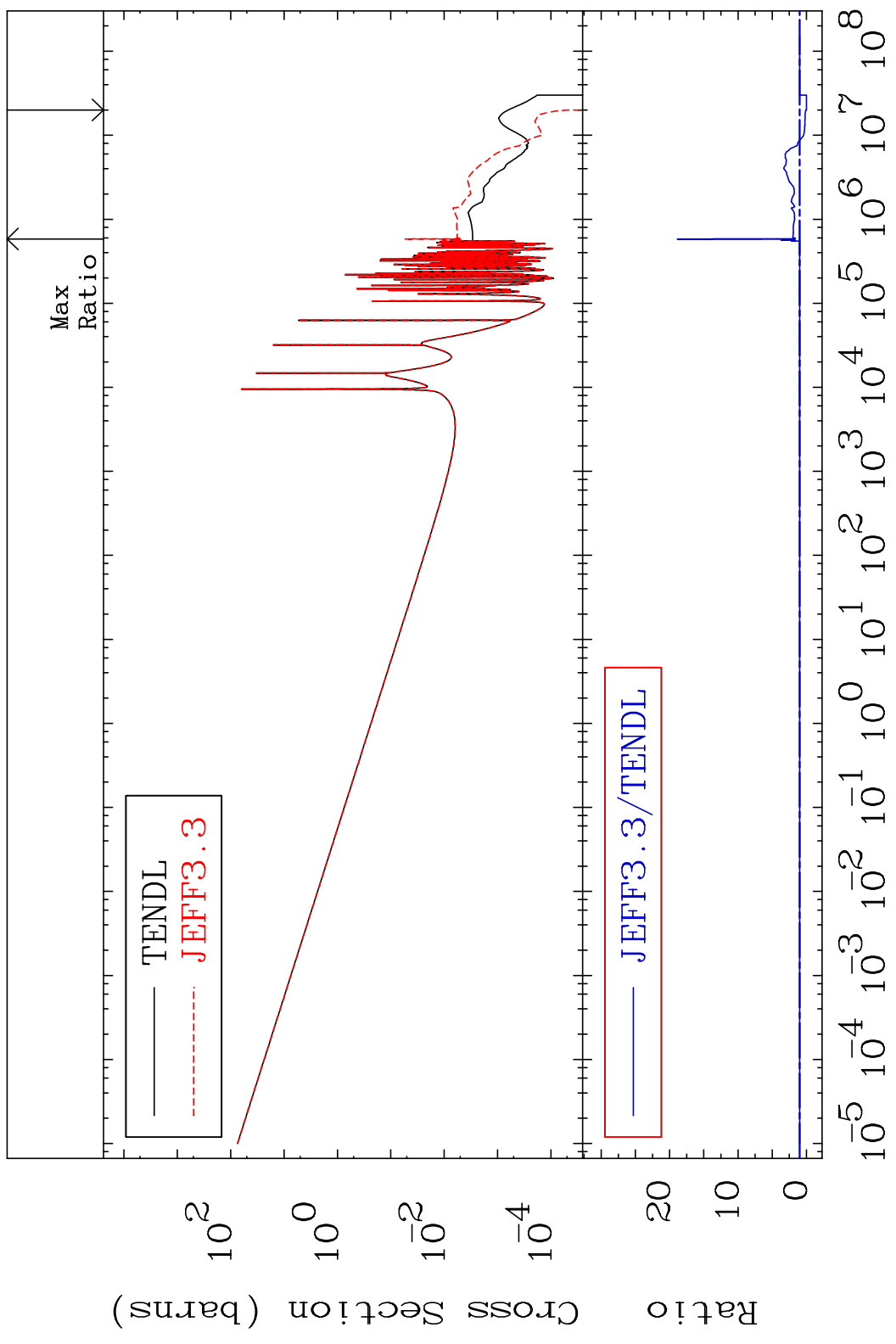
10 100 200 0 3 4 5 6 7 8 10 2 3 4 5 6 7 8 10 2 28-Ni-64

MAT 2843

(n, γ)

28-Ni-64

Cross Section -100.0 To 1789. %

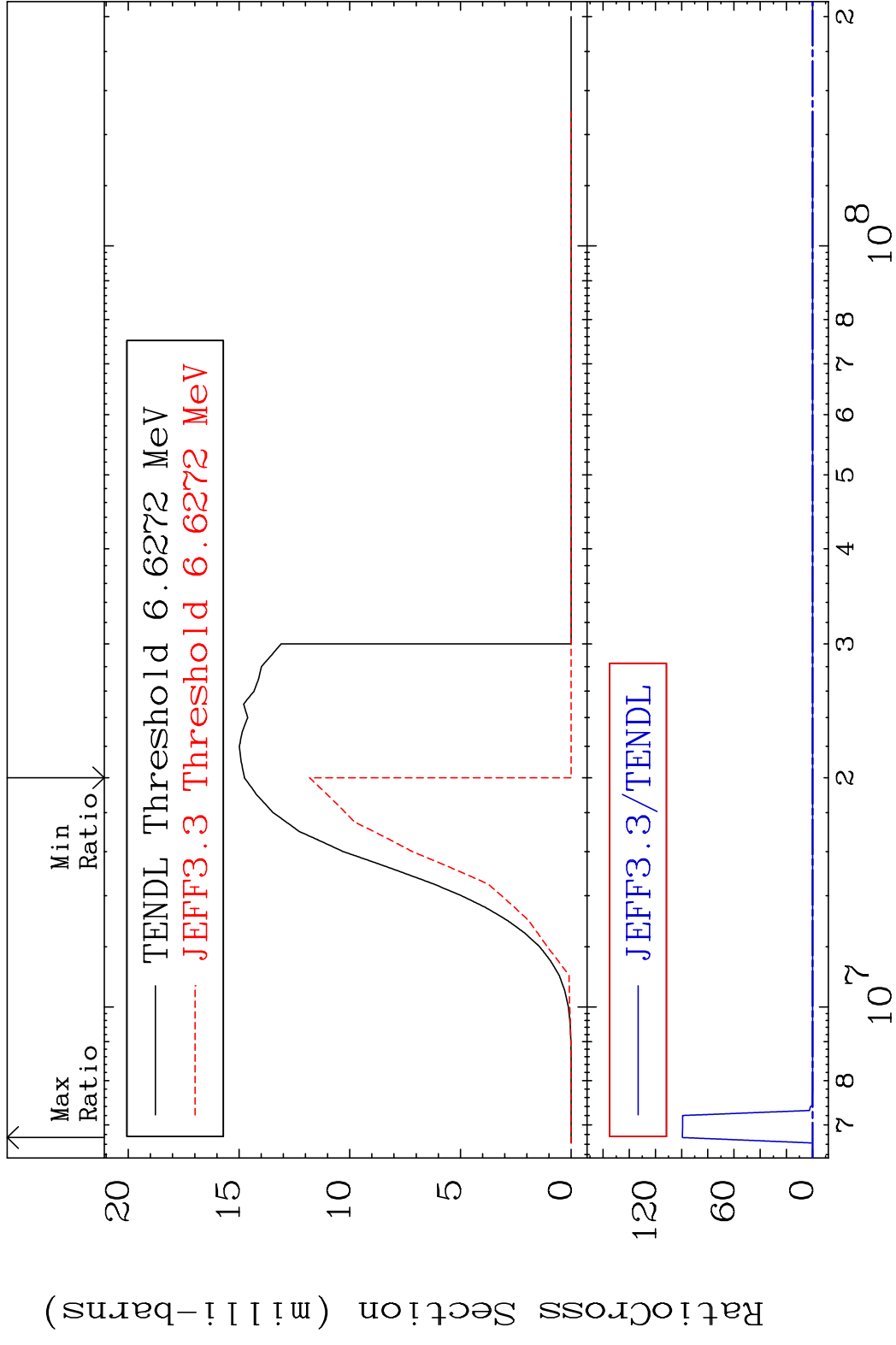


11

Incident Energy (eV)

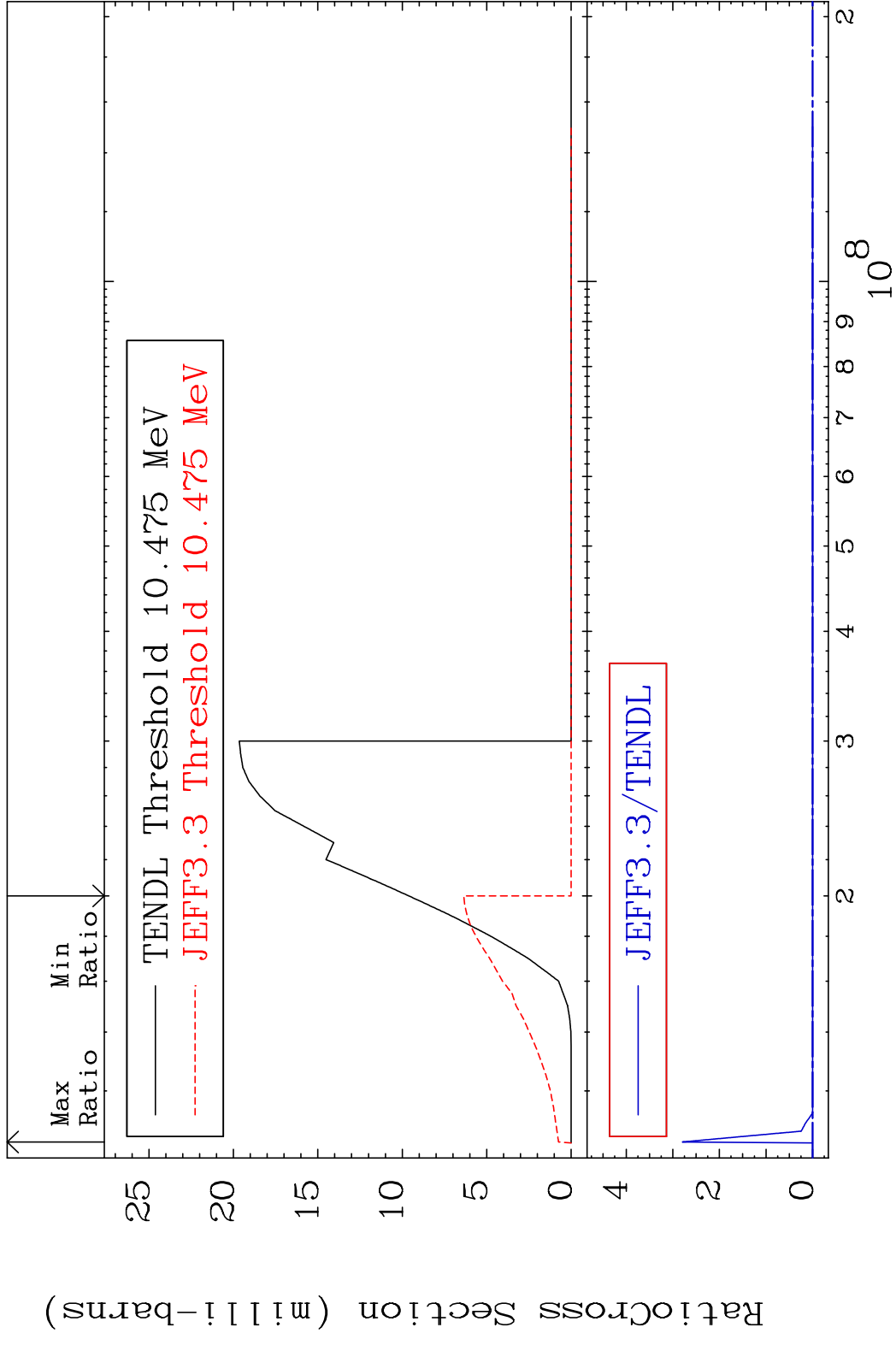
28-Ni-64

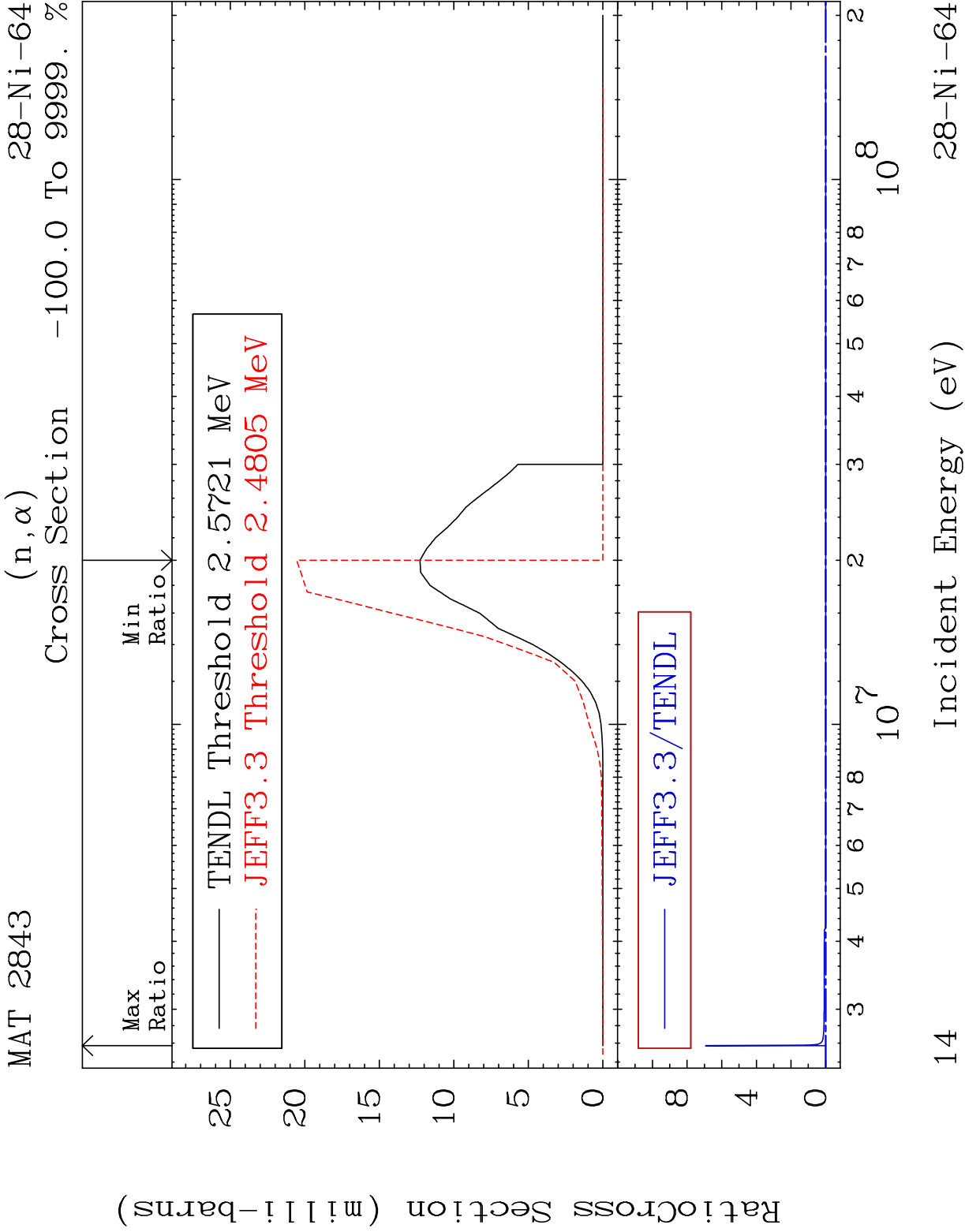
MAT 2843 (n,p) 28-Ni-64
 Cross Section -100.0 To 9999. %



12

MAT 2843 (n,d) 28-Ni-64
 Cross Section -100.0 To 9999. %

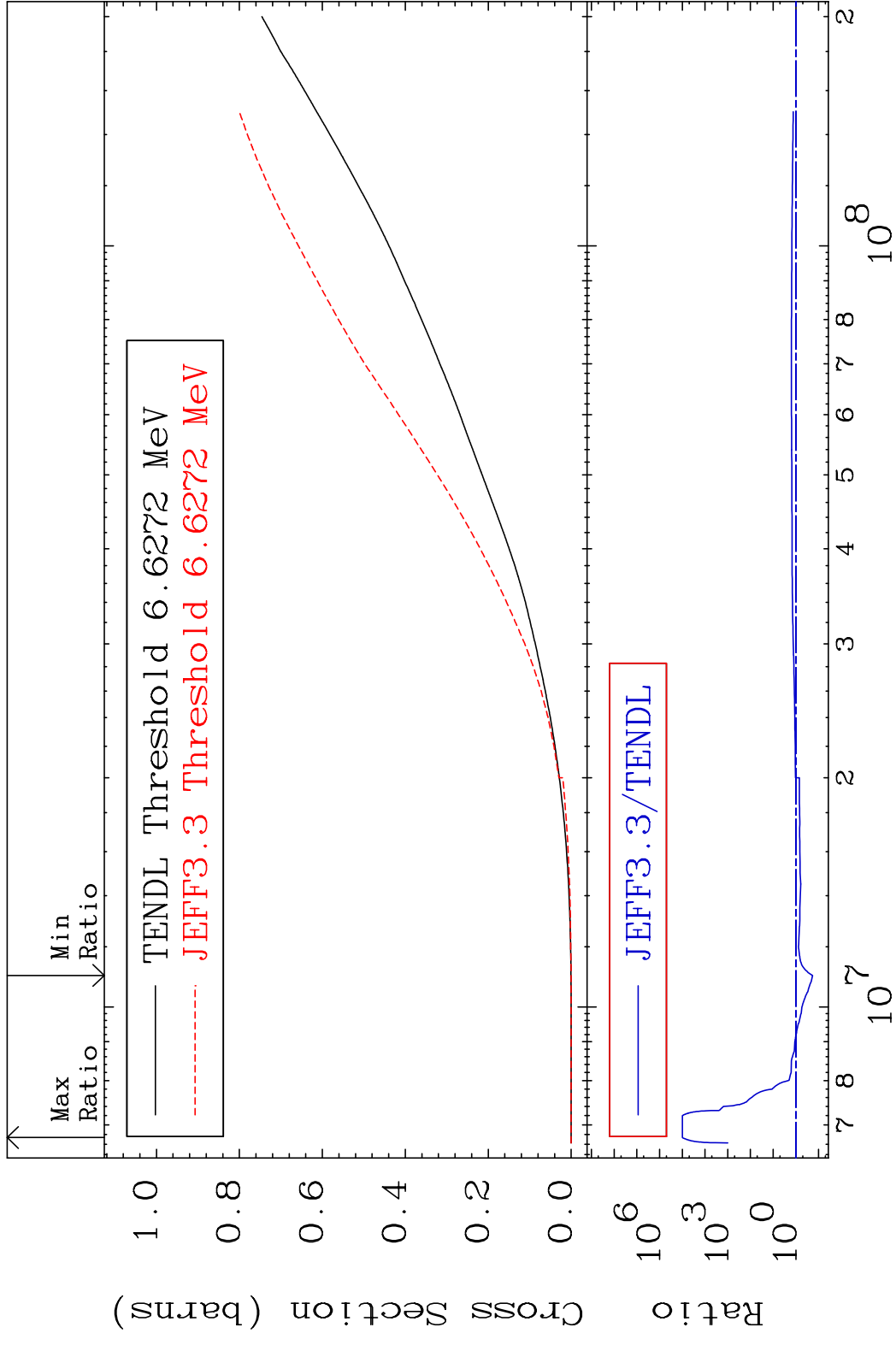




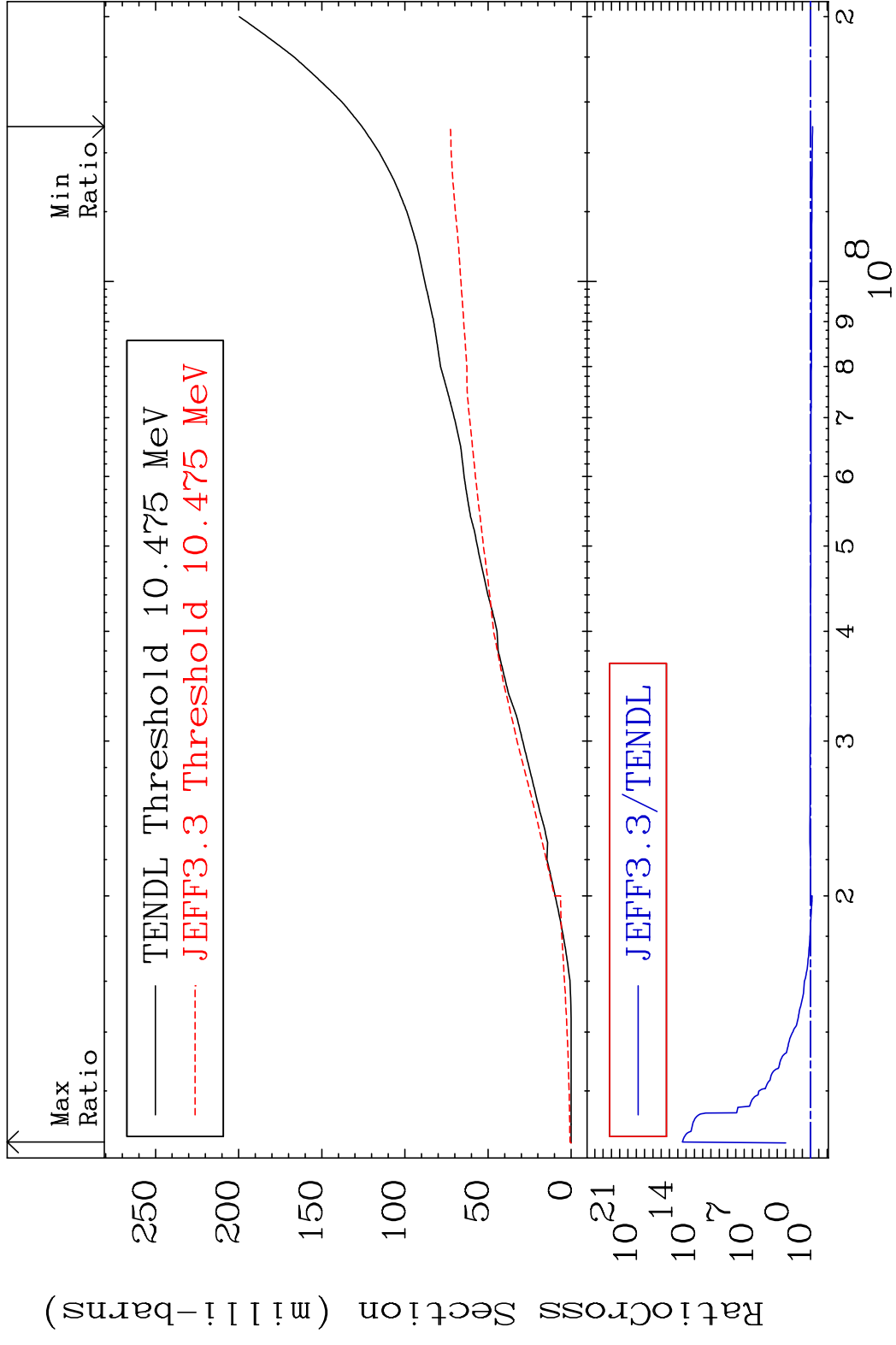
MAT 2843

Hydrogen Production 28-Ni-64

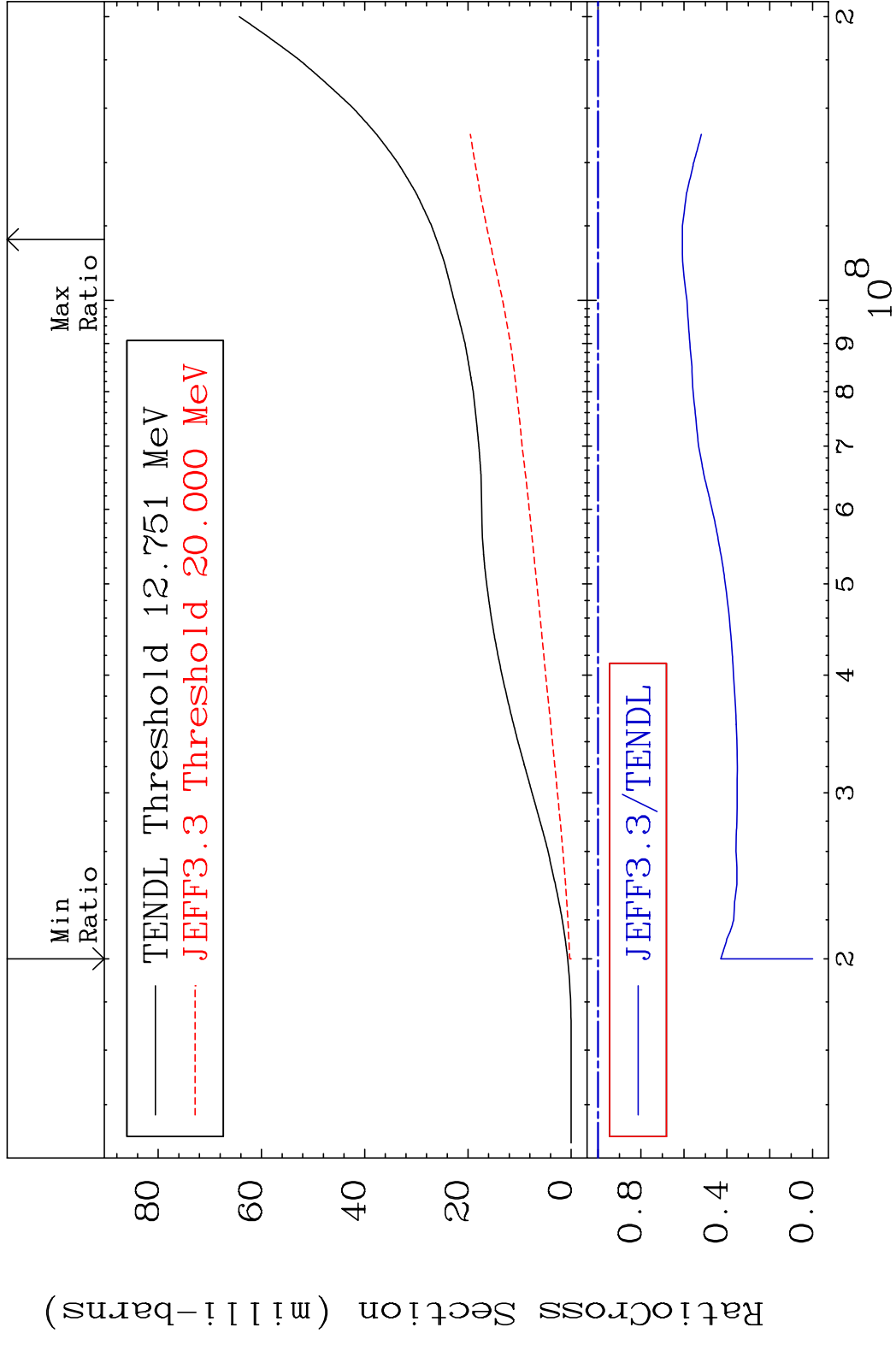
Cross Section -81.62 To 9999. %



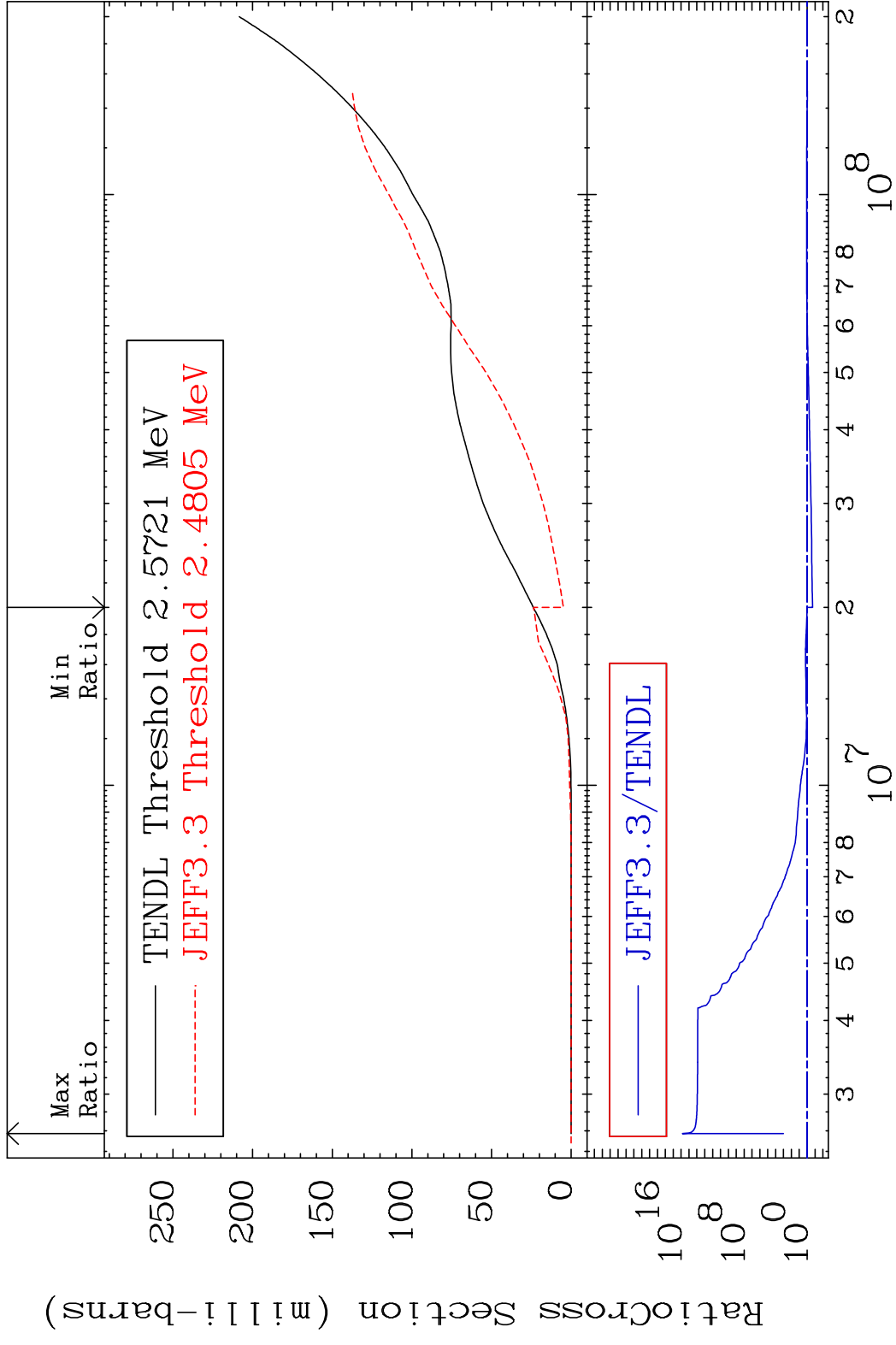
MAT 2843 Deuterium Production 28-Ni-64
 Cross Section -42.30 To 9999. %



MAT 2843 Tritium Production $^{28}\text{Ni-64}$
 Cross Section -100.0 To -39.29%

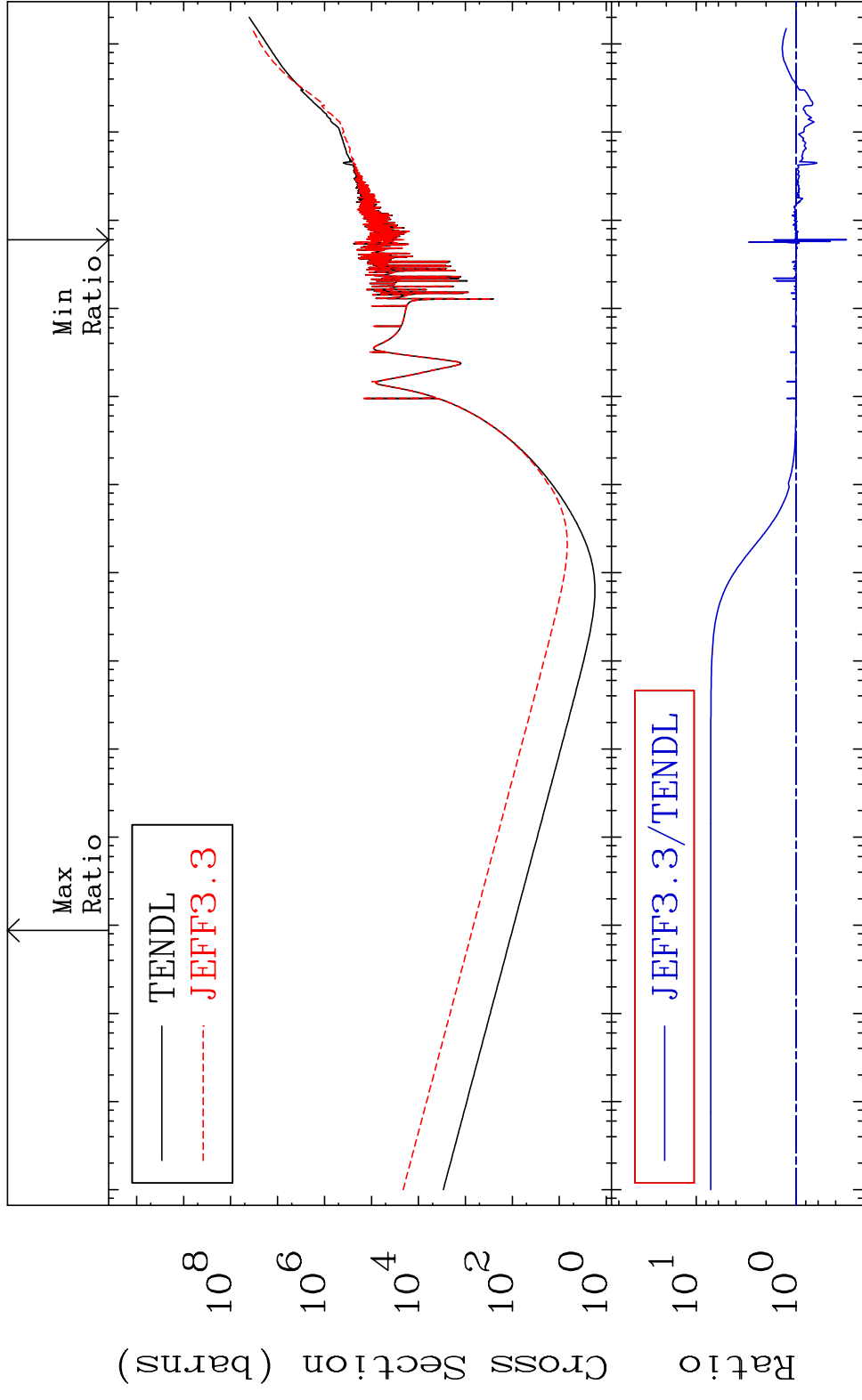


MAT 2843 He-4 Production 28-Ni-64
 Cross Section -79.46 To 9999. %



18 Incident Energy (eV) 28-Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64
 Cross Section -68.69 To 617.4 %



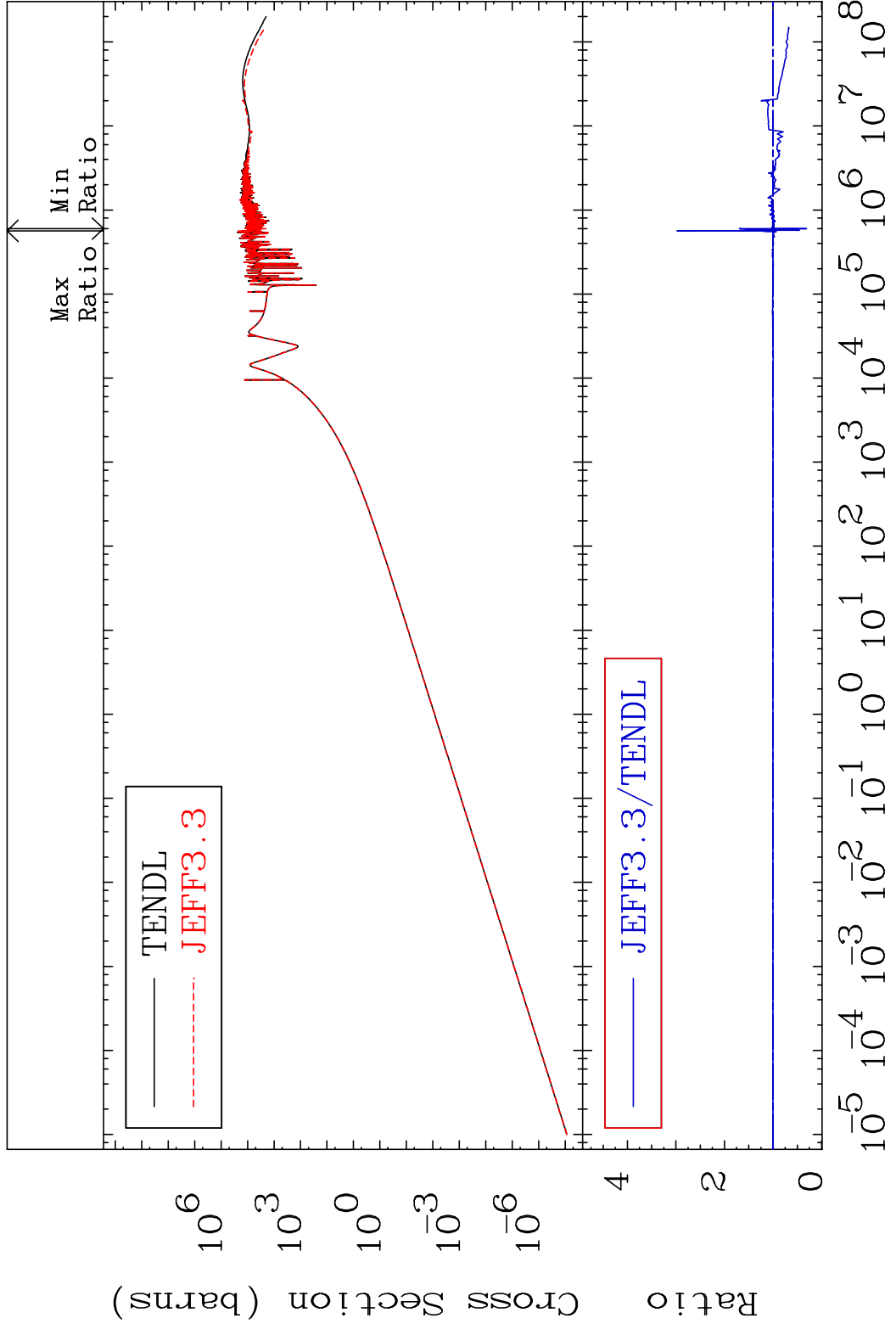
10⁸
 10⁶
 10⁴
 10²
 10⁰
 Cross Section (barns)

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
 Incident Energy (eV)

MAT 2843

Kerma elastic
Cross Section

28-Ni-64
-68.78 To 197.4 %

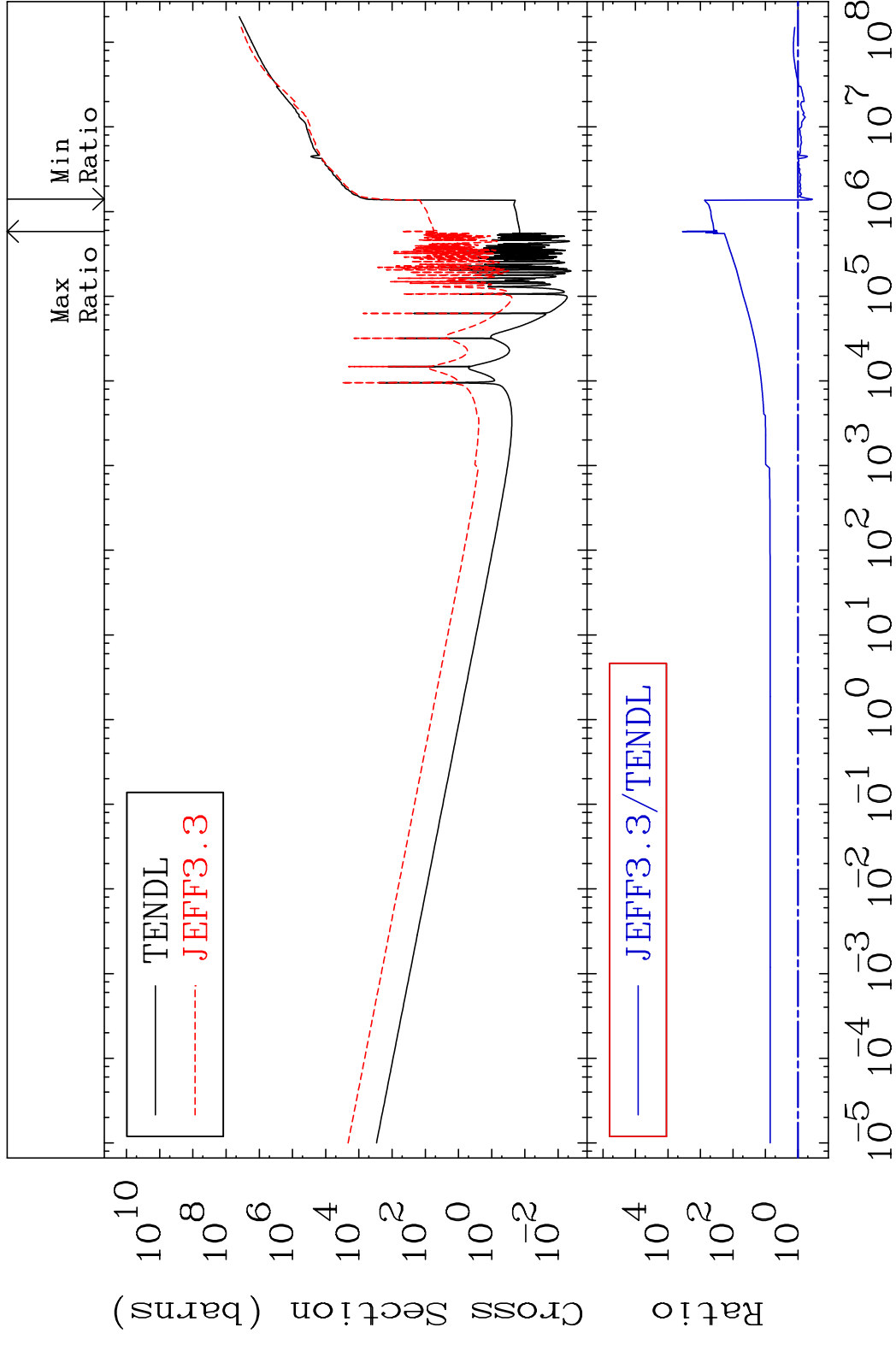


20

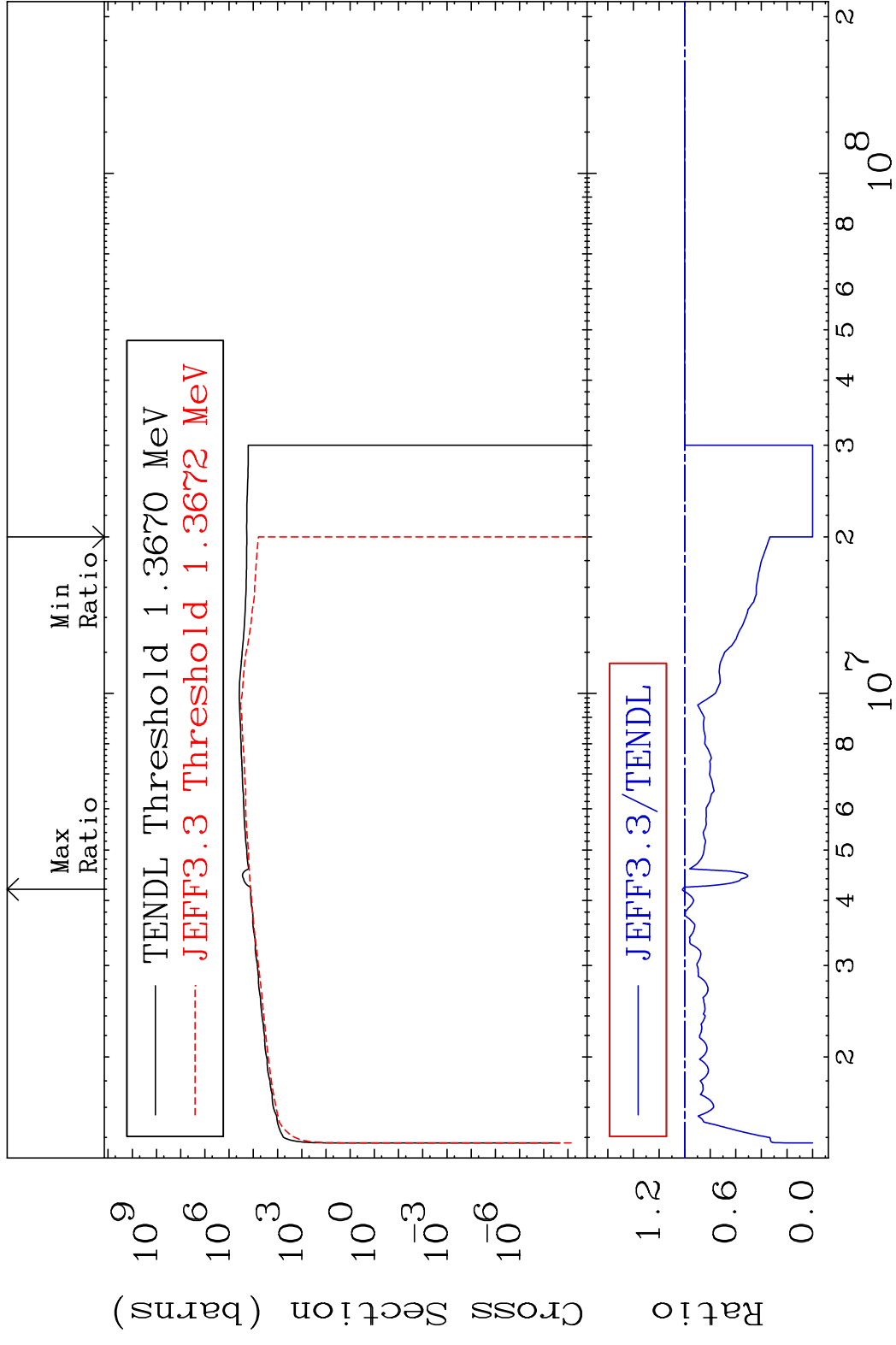
Incident Energy (eV)

28-Ni-64

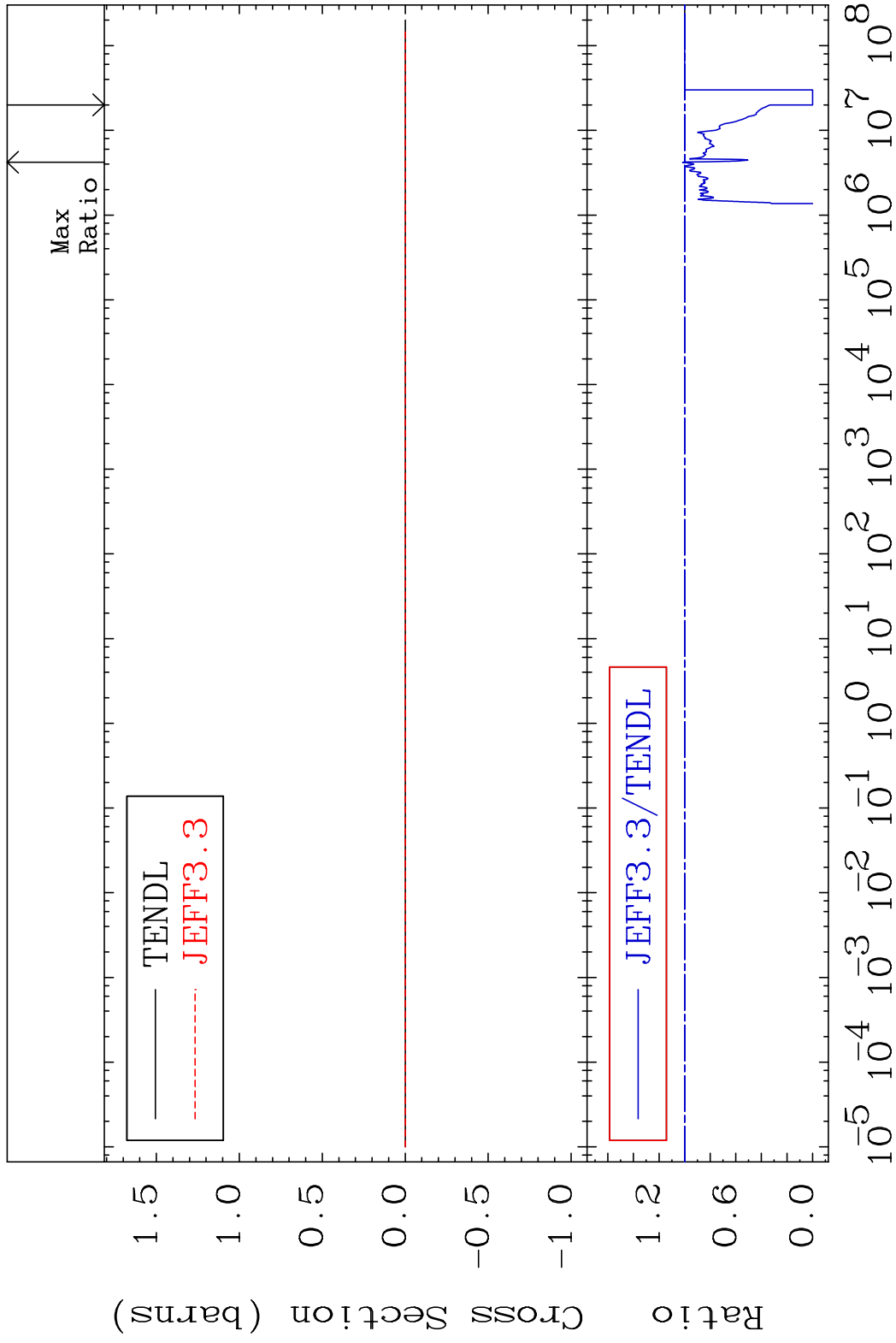
MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -64.54 To 9999. %



21 Incident Energy (eV) 28-Ni-64

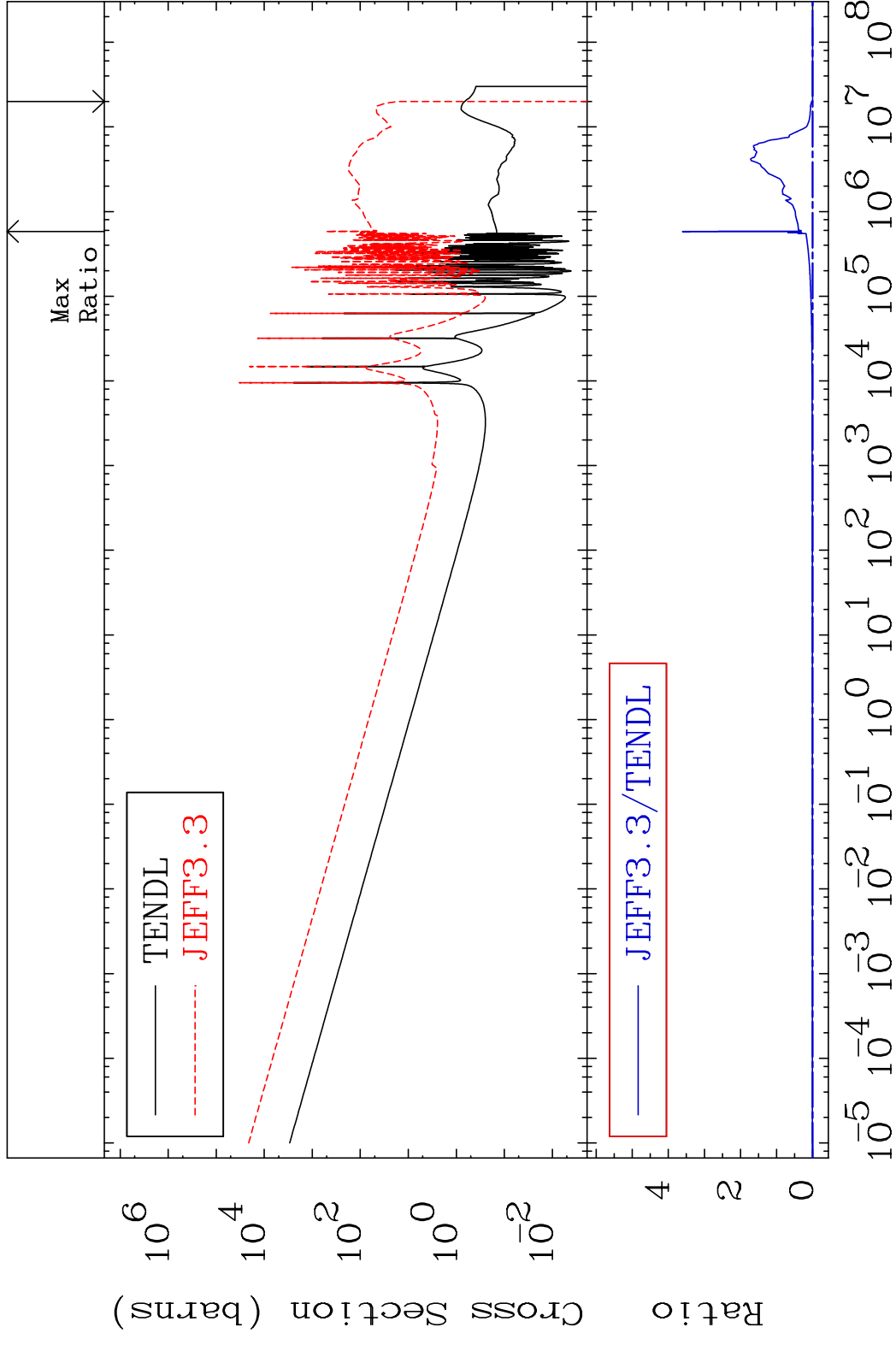


MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -100.0 To 1.773 %



MAT 2843

Kerma capture (mt102) 28-Ni-64
Cross Section -100.0 To 9999. %



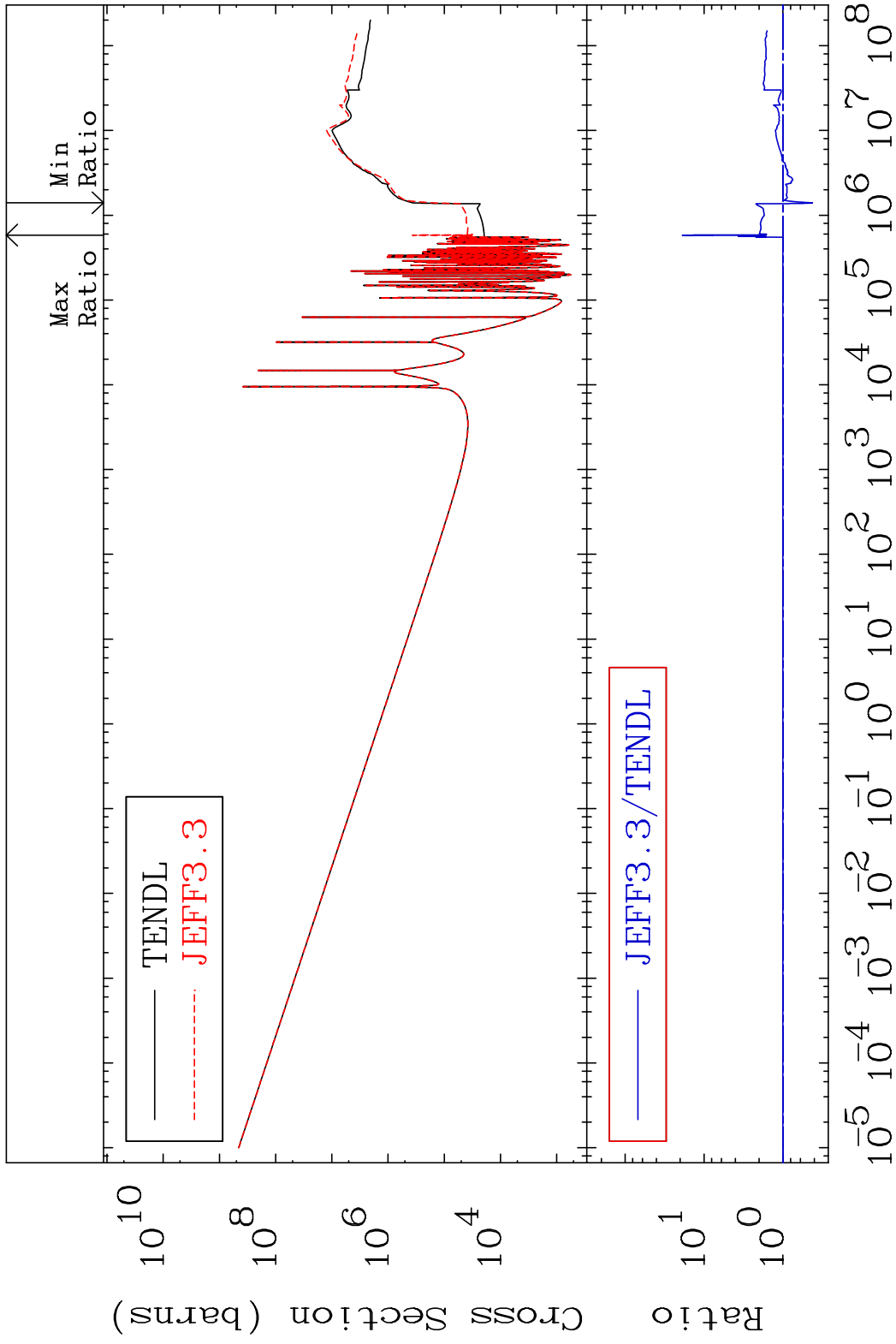
24

Incident Energy (eV)

28-Ni-64

MAT 2843

Total photon (eV-barns) 28-Ni-64
Cross Section -57.73 To 1791. %

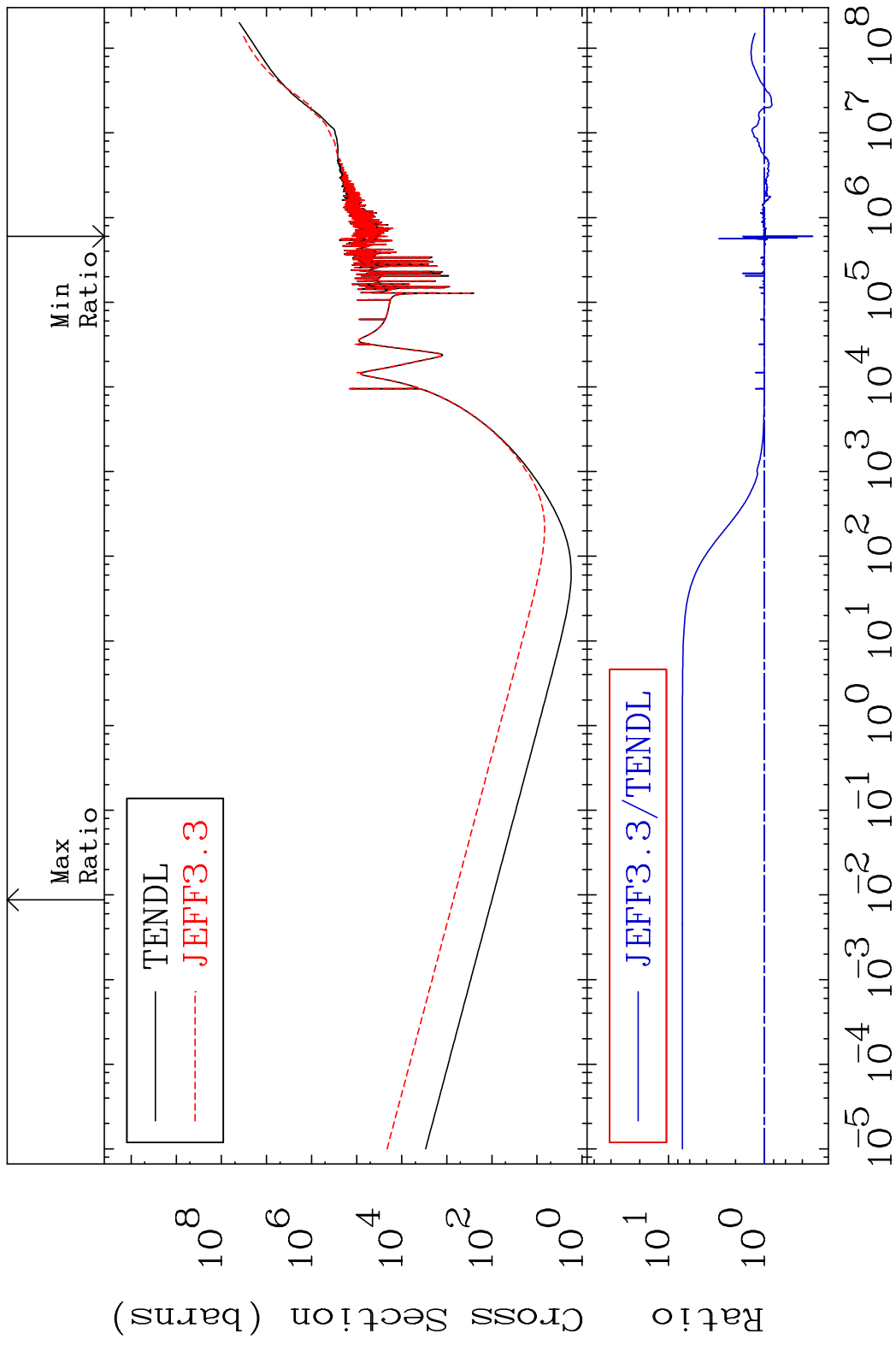


25

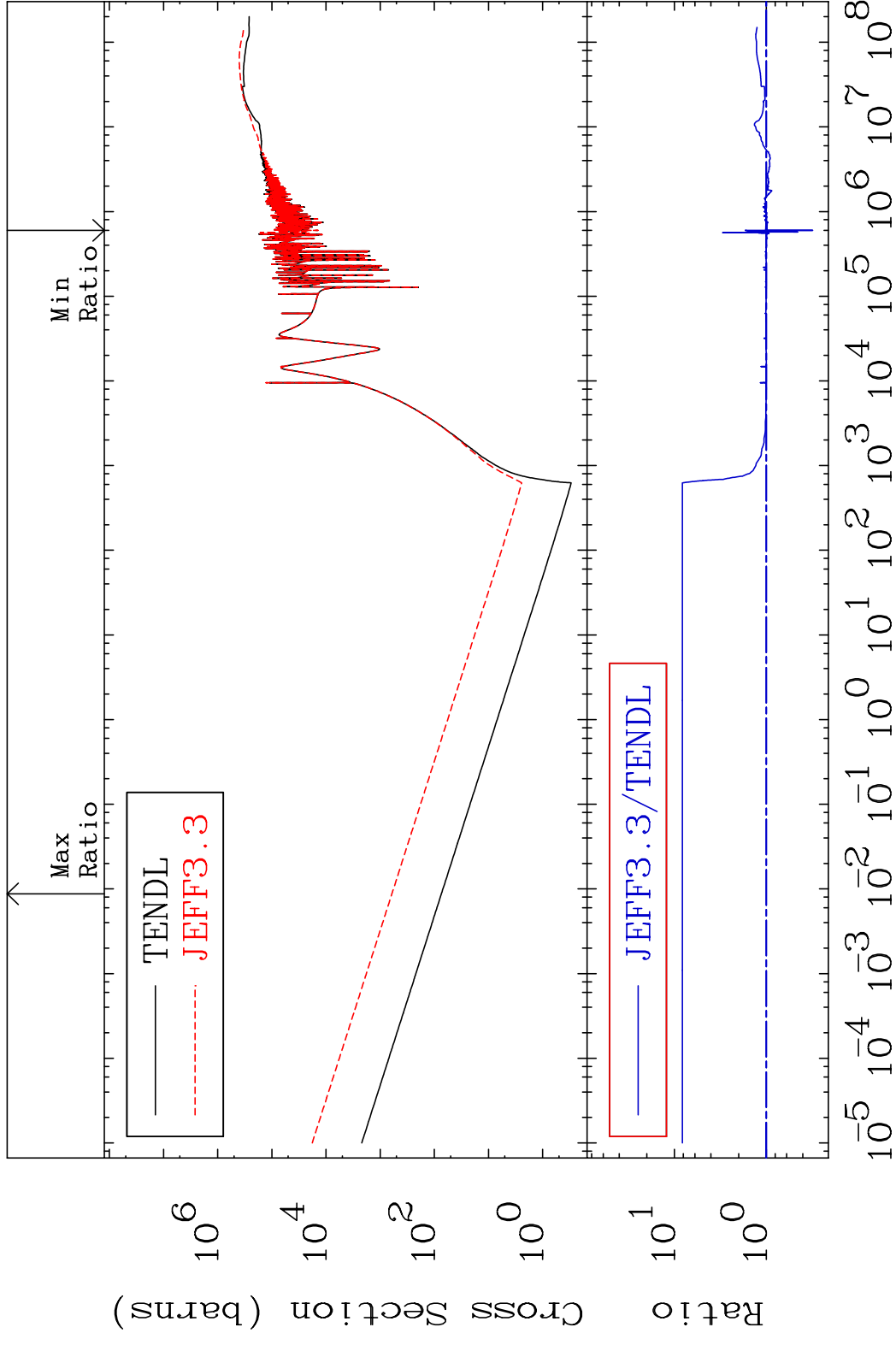
Incident Energy (eV)

28-Ni-64

MAT 2843 Total kinematic kerma (high limit) 28-Ni-64
 Cross Section -68.69 To 617.4 %



MAT 2843 Dpa total (eV-barns) 28-Ni-64
 Cross Section -68.77 To 721.3 %

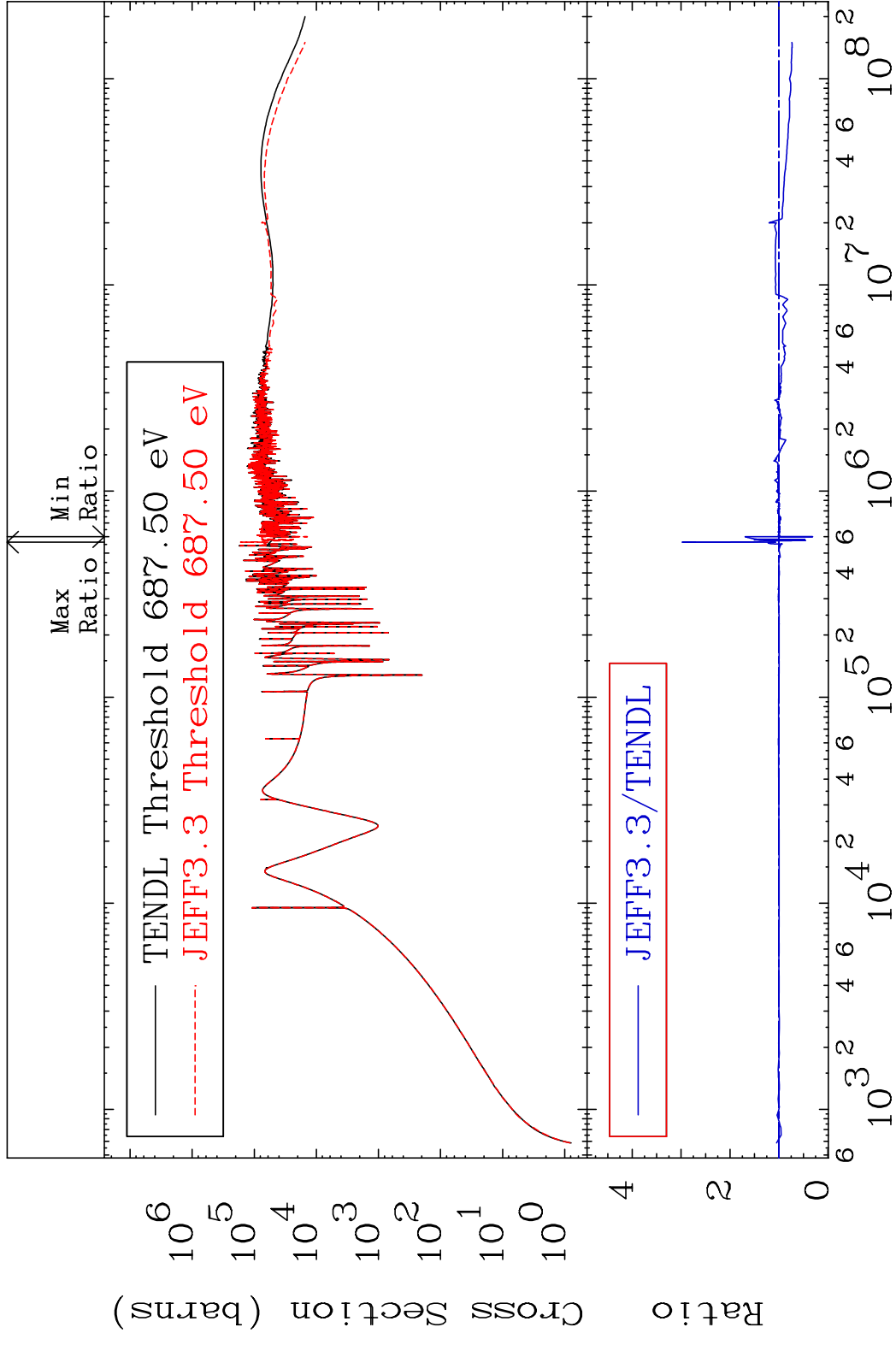


MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -68.77 To 197.5 %

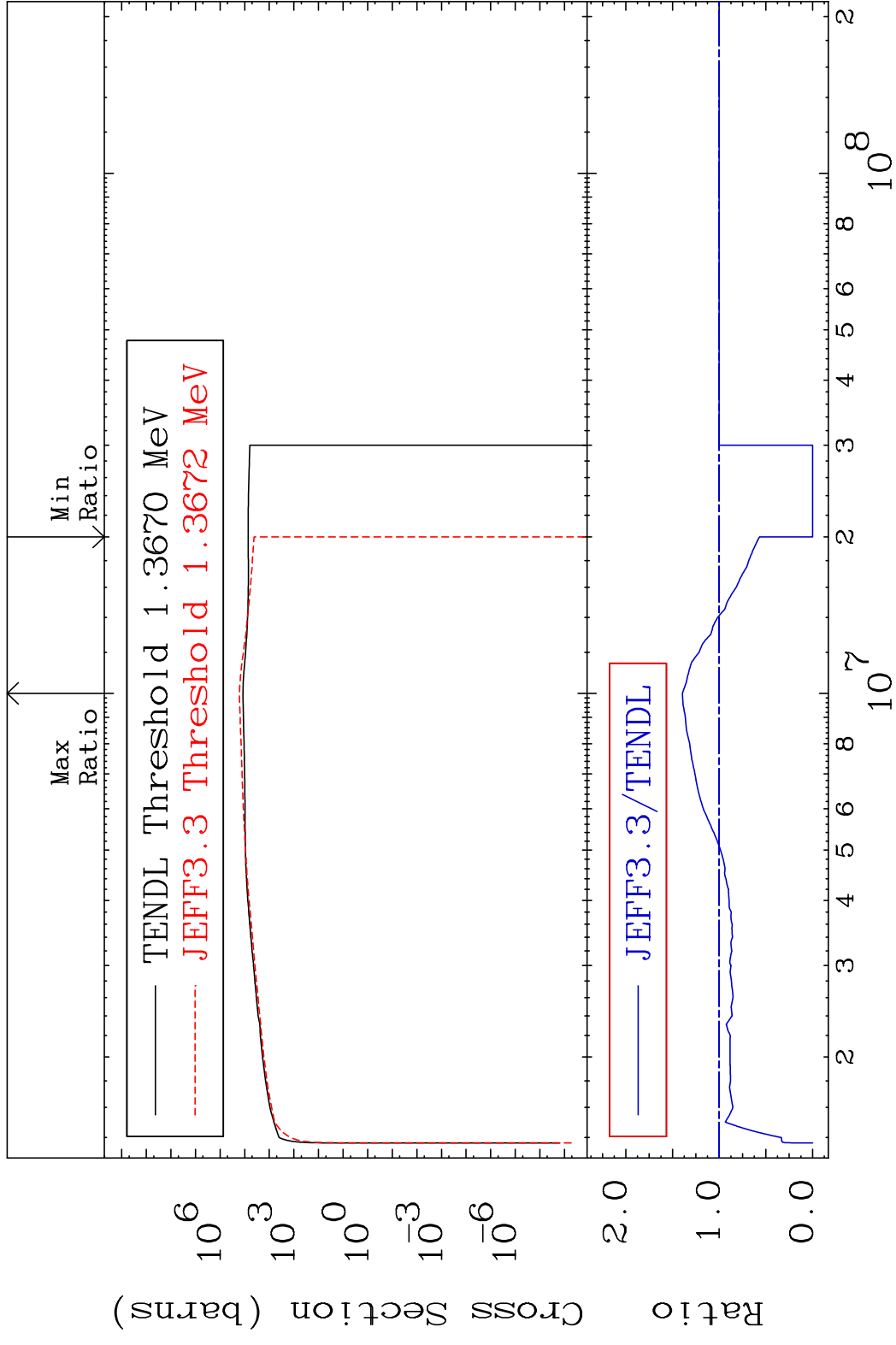


28

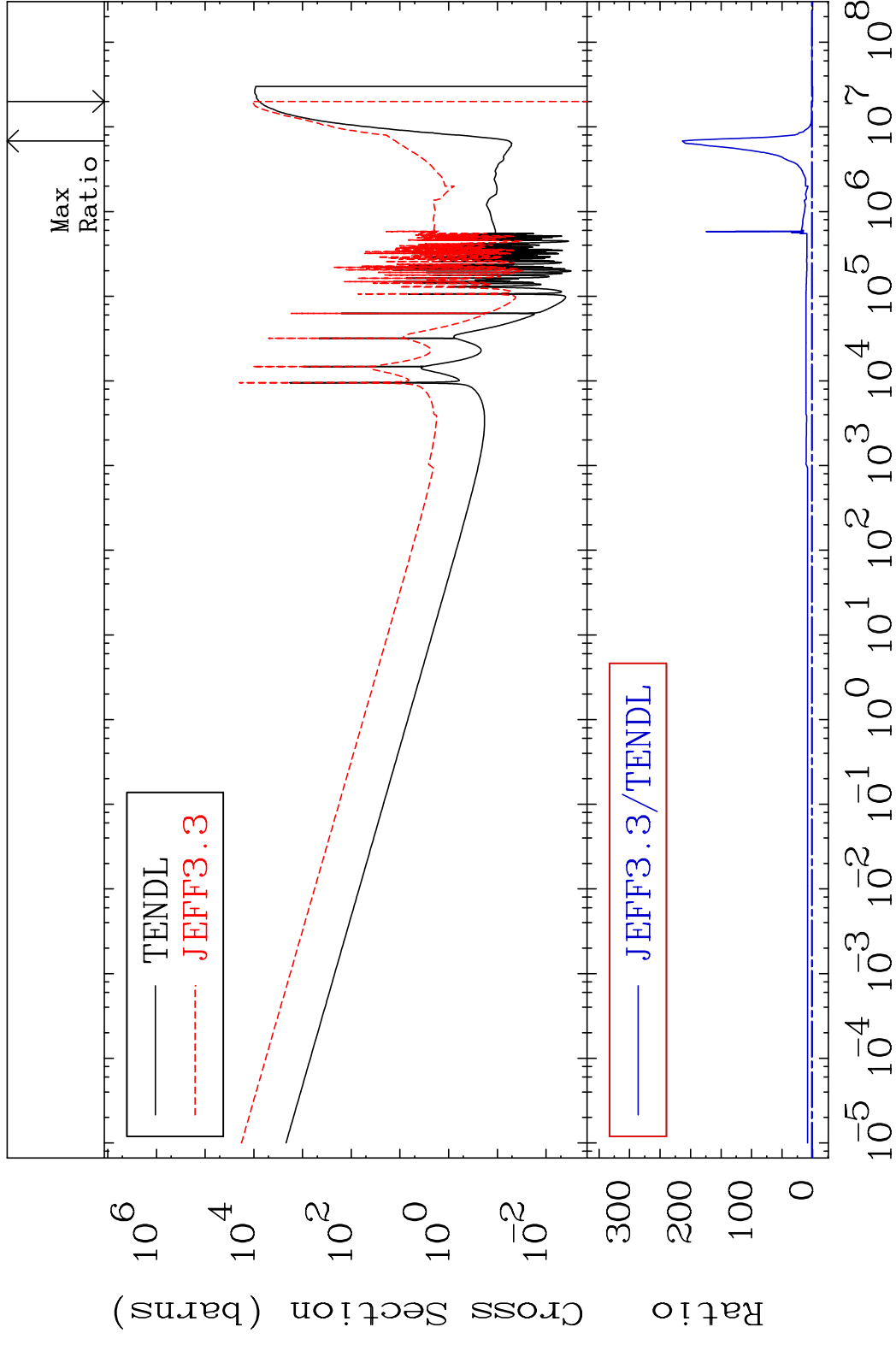
Incident Energy (eV)

28-Ni-64

MAT 2843 Dpa inelastic (mt51-91) ²⁸Ni-64
 Cross Section -100.0 To 39.48 %

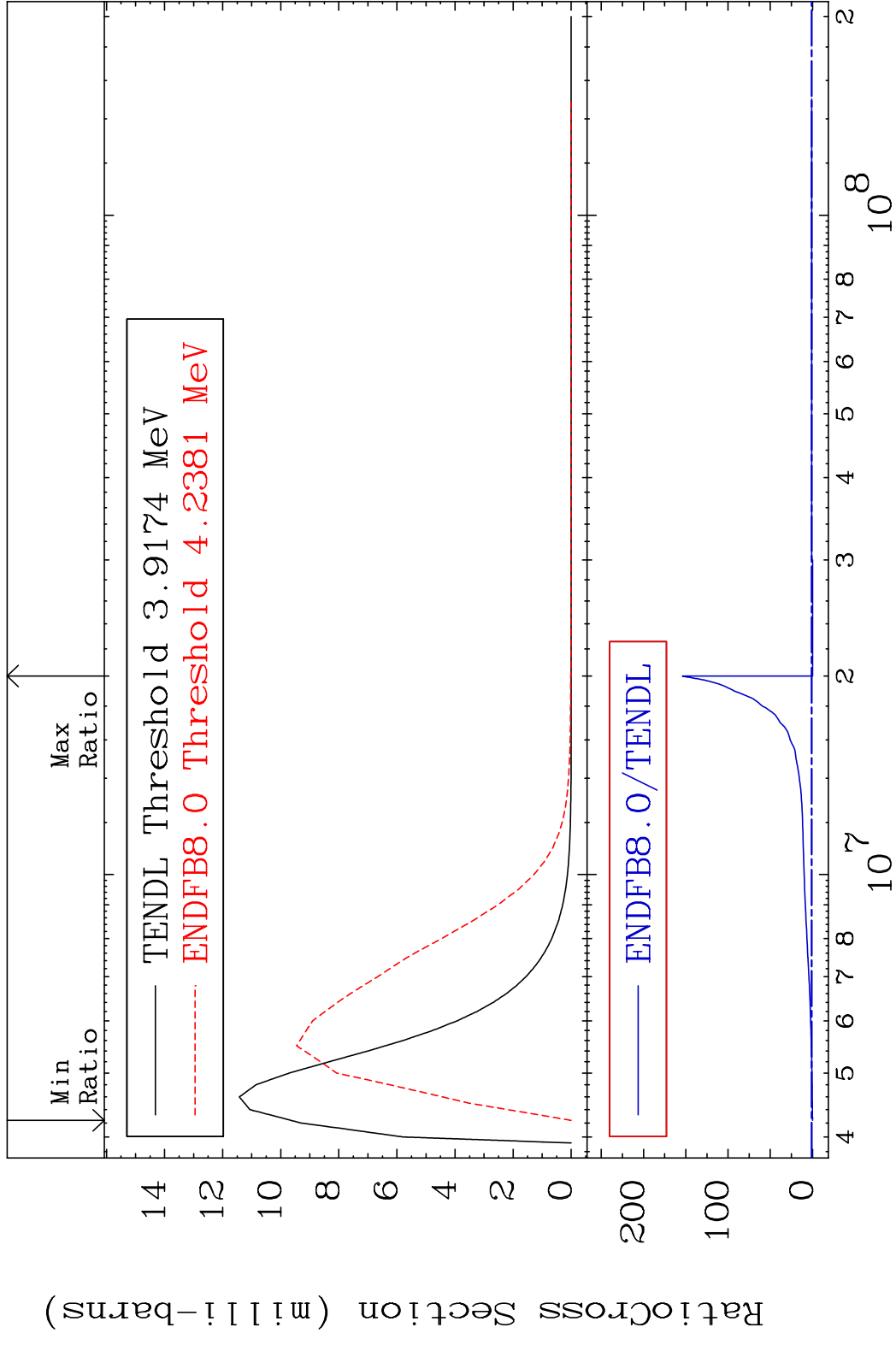


MAT 2843 Dpa disappearance (mt102 -120) 28-Ni-64
Cross Section -100.0 To 9999. %

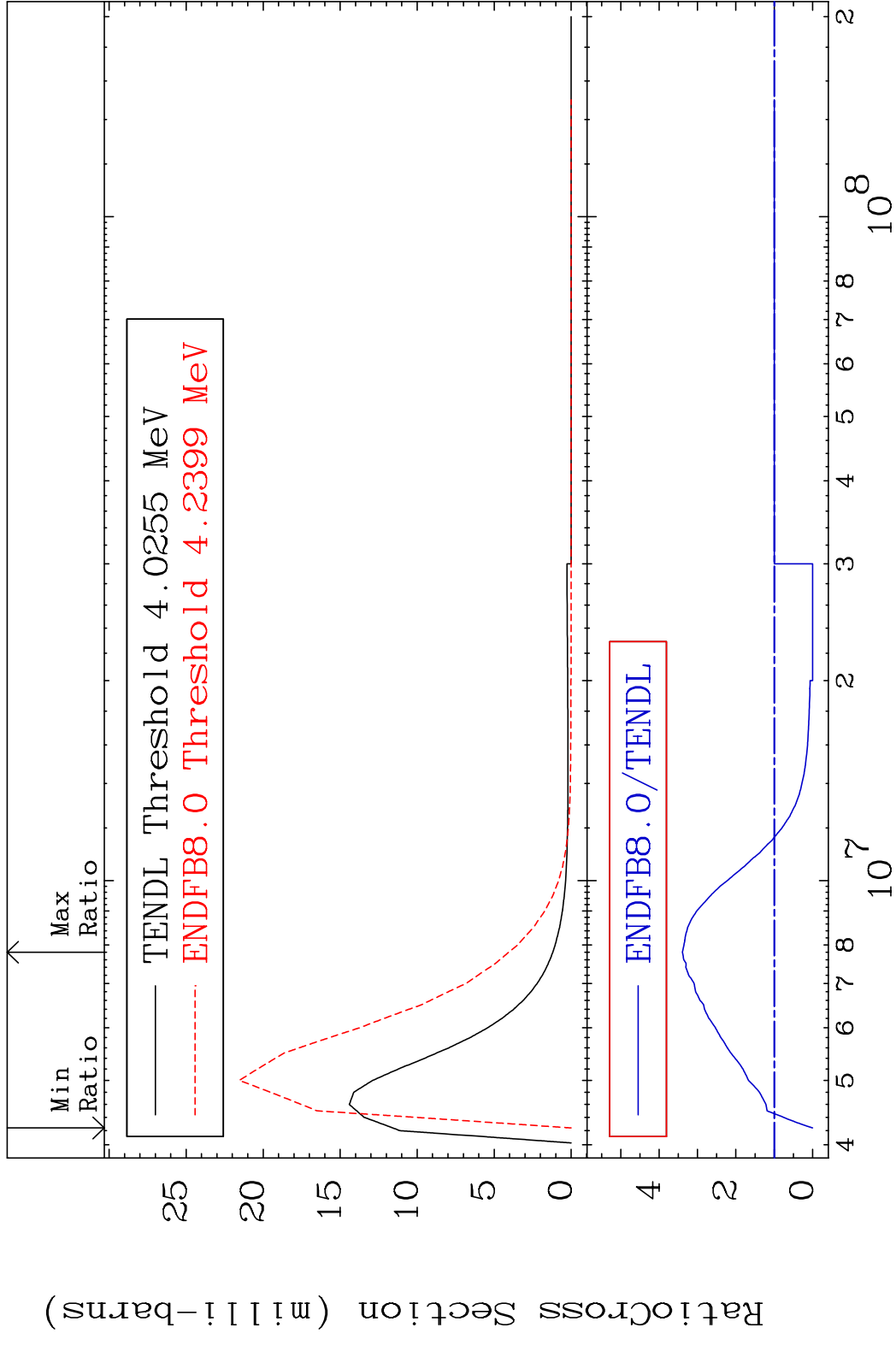


30 Incident Energy (eV) 28-Ni-64

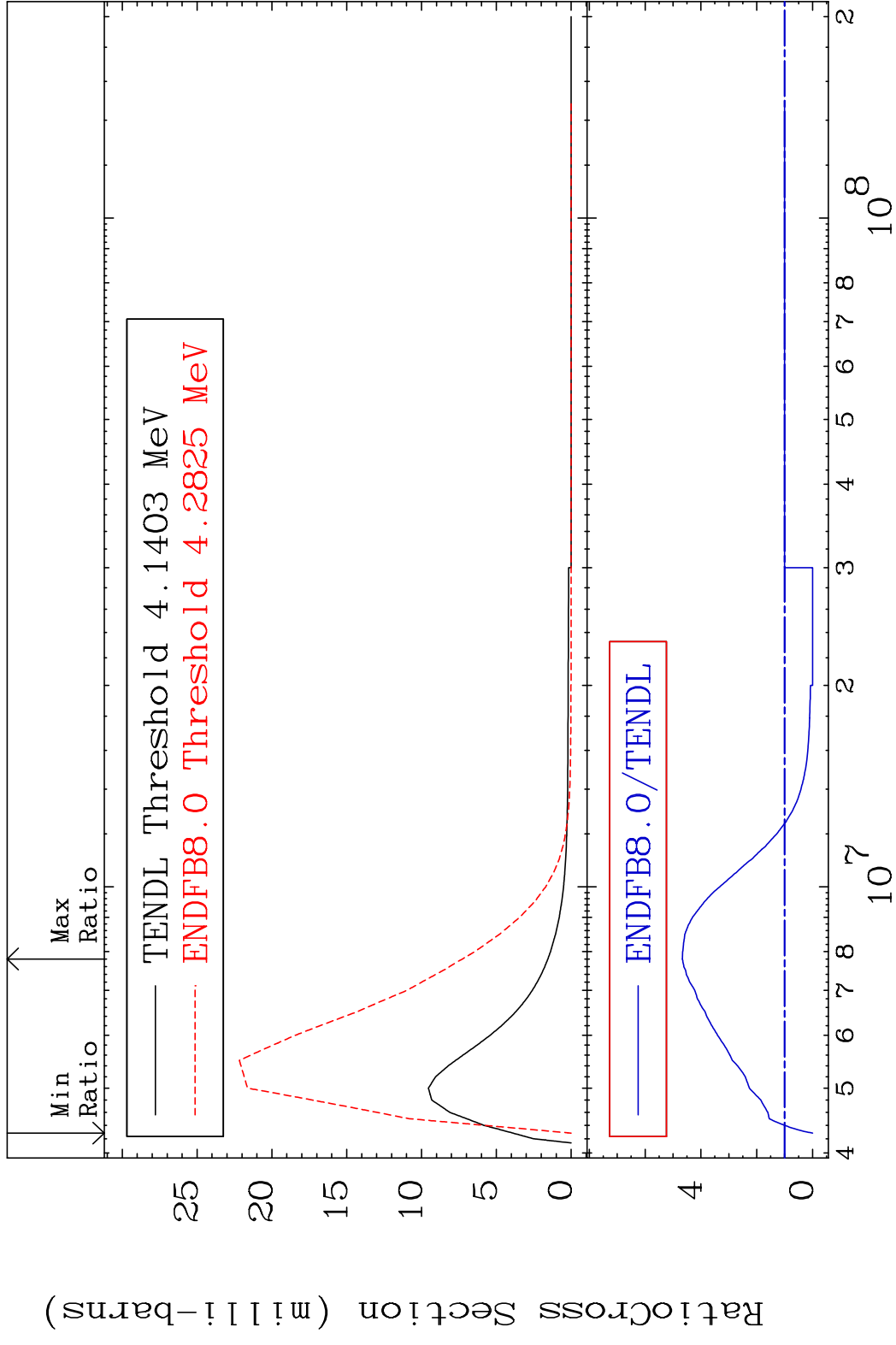
MAT 2843 MT= 73 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 9999. %



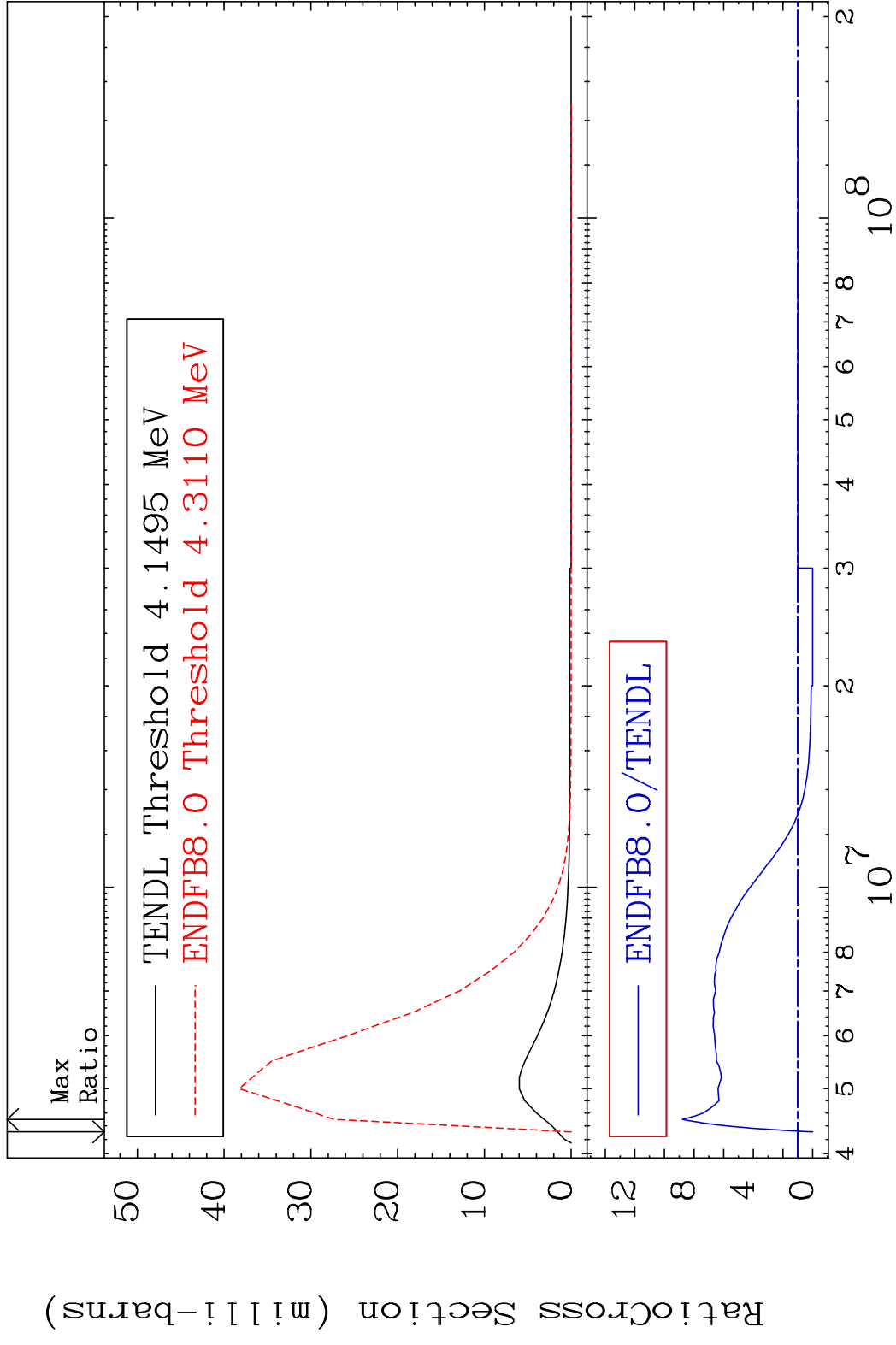
MAT 2843 MT= 74 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 239.5 %



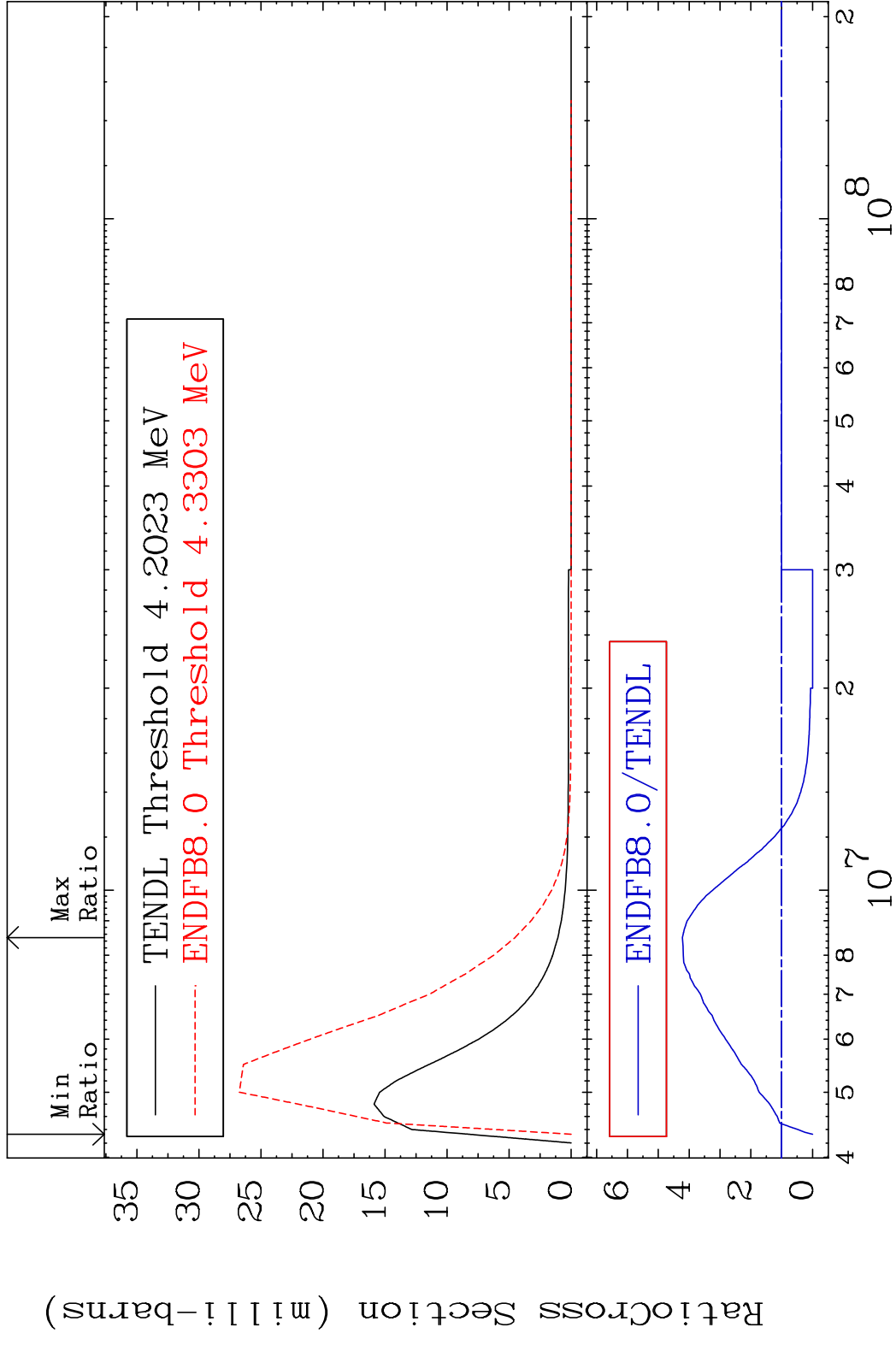
MAT 2843 MT= 75 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 366.5 %



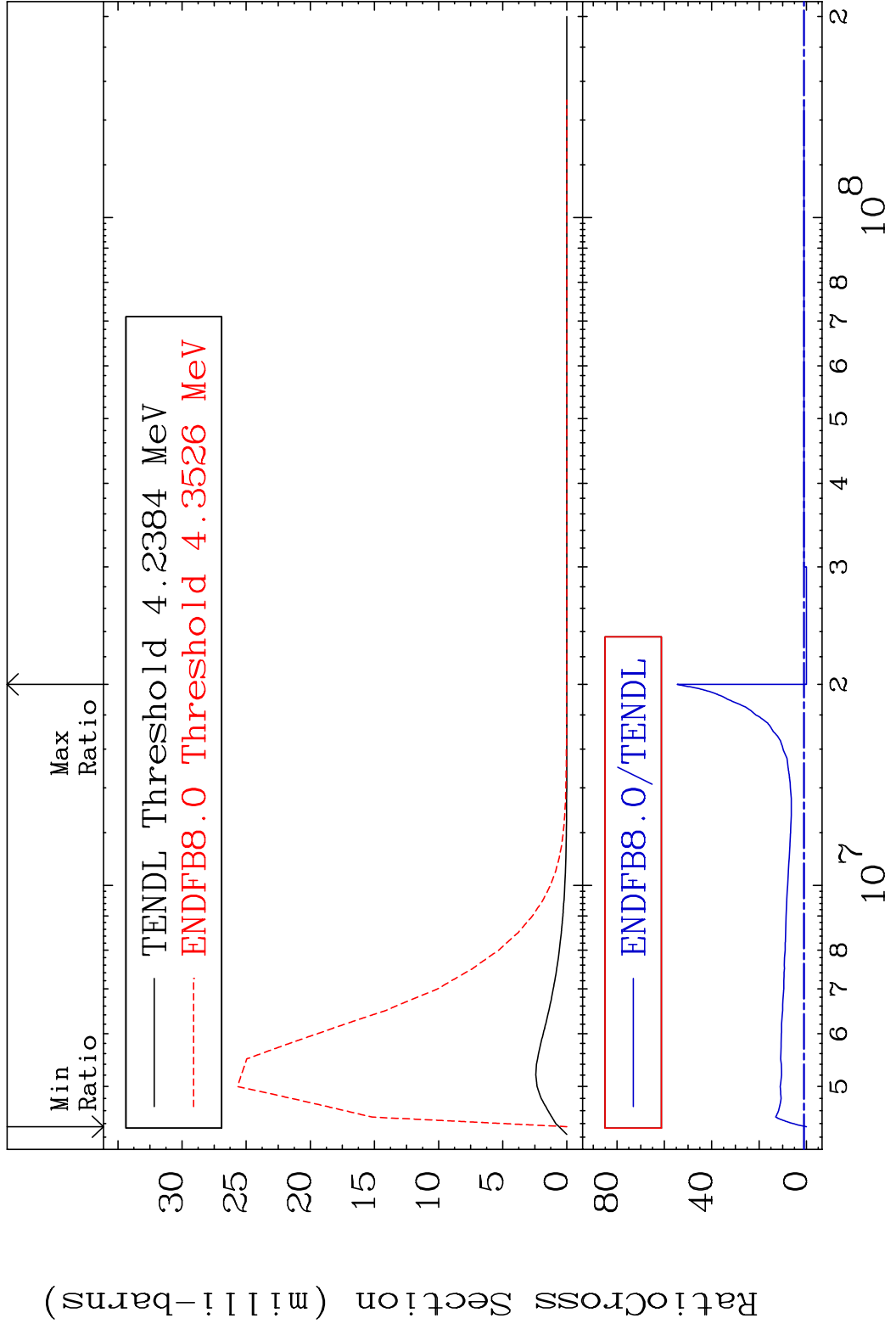
MAT 2843 MT= 76 (n,n') Level 28-Ni-64
 Cross Section -100.0 To 779.1 %



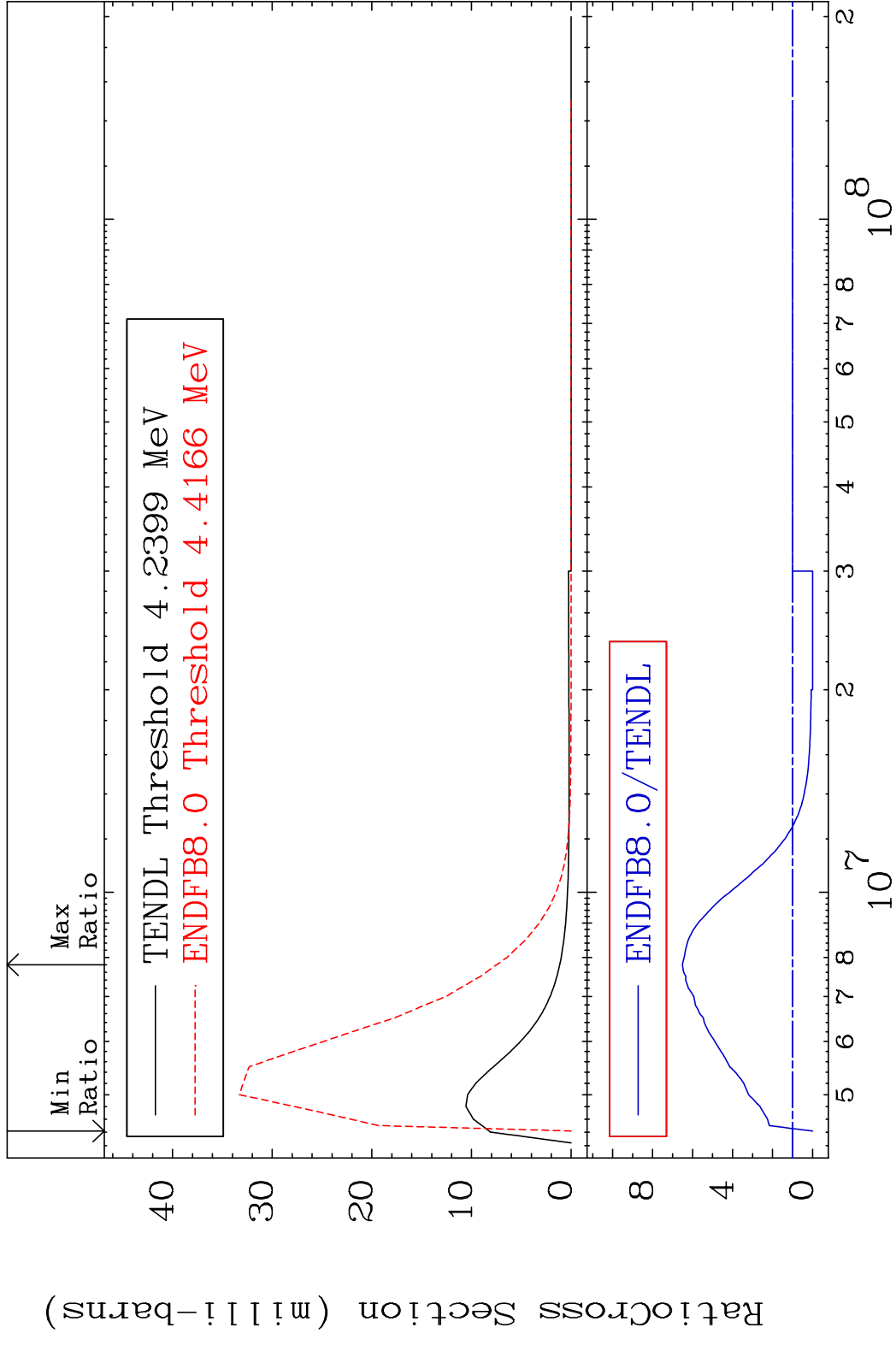
MAT 2843 MT= 77 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 321.9 %



MAT 2843 MT= 78 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 5359. %



MAT 2843 MT= 79 (n, n') Level 28-Ni-64
 Cross Section -100.0 To 551.3 %

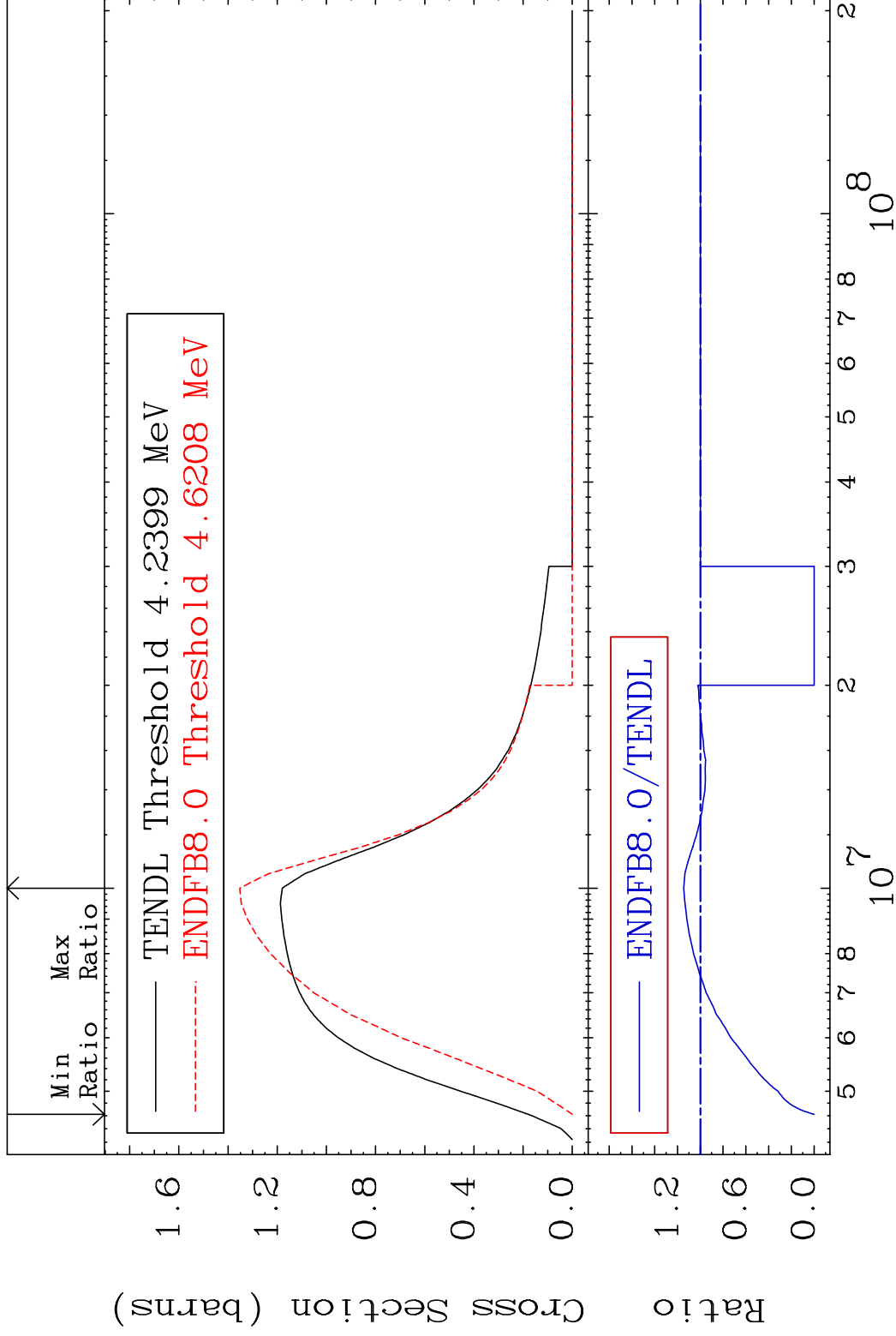


MAT 2843

(n, n') Continuum

²⁸Ni-64

Cross Section -100.0 To 14.62 %



38

Incident Energy (eV)

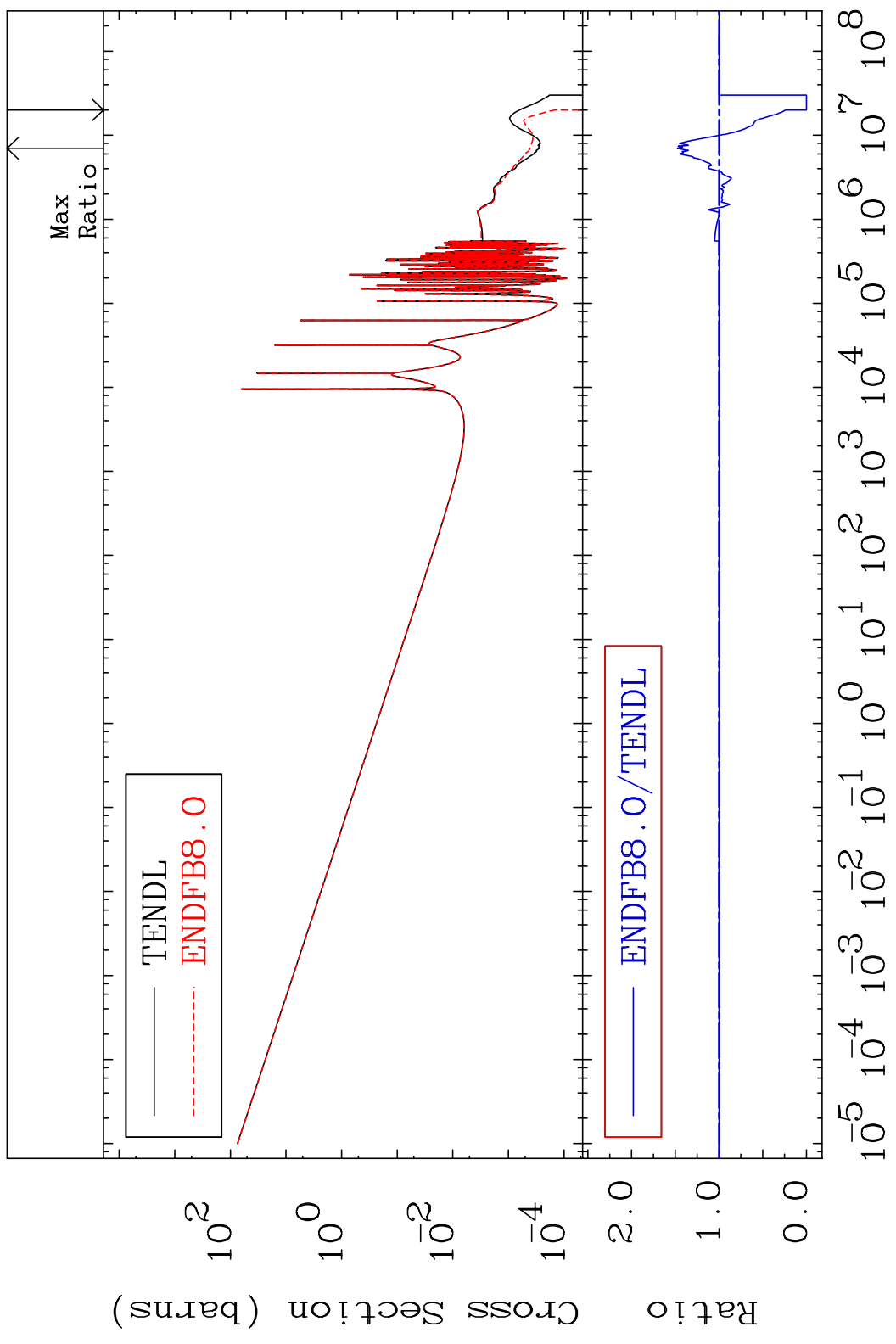
²⁸Ni-64

MAT 2843

(n, γ)

28-Ni-64

Cross Section -100.0 To 47.82 %

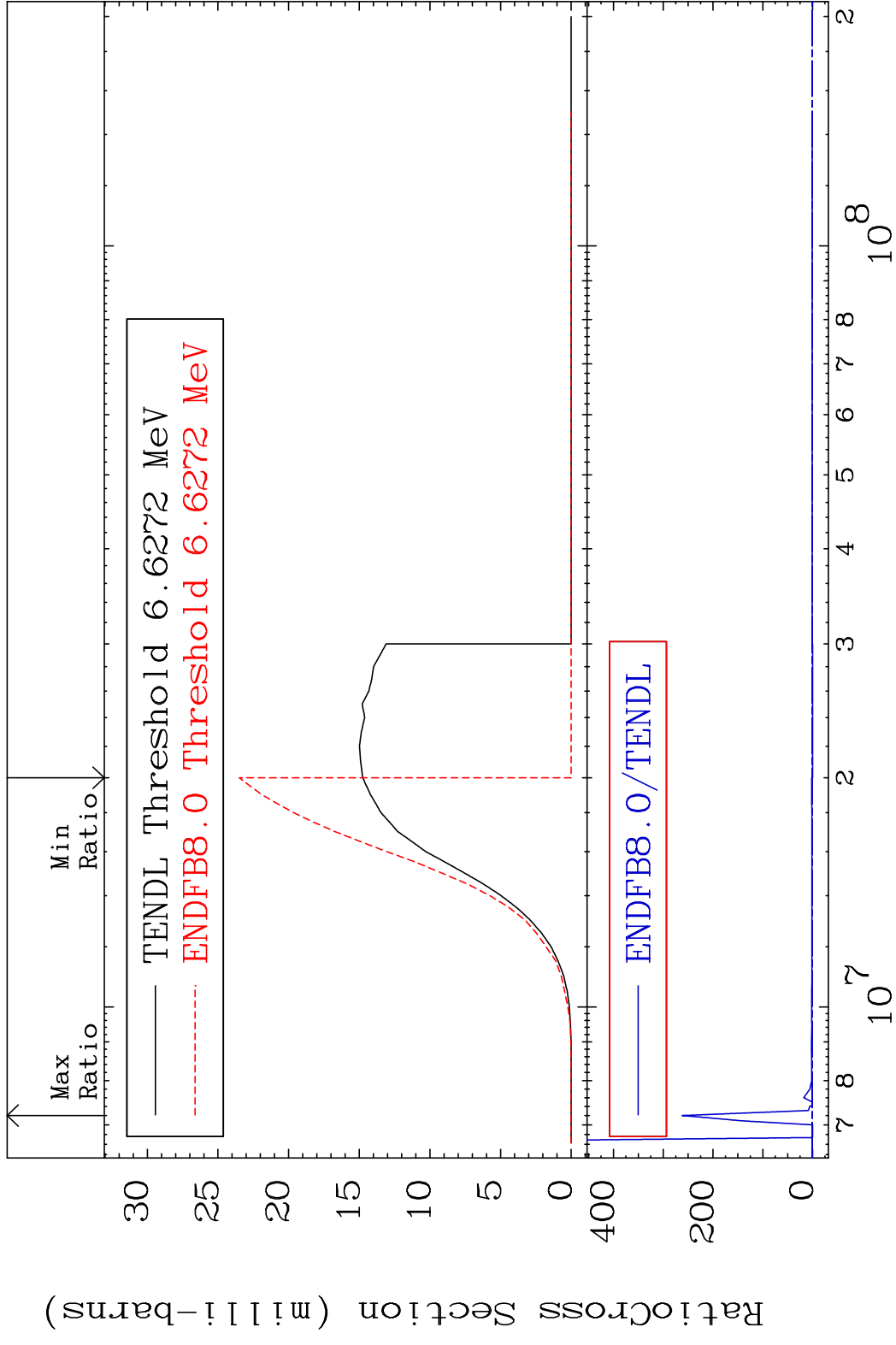


39

Incident Energy (eV)

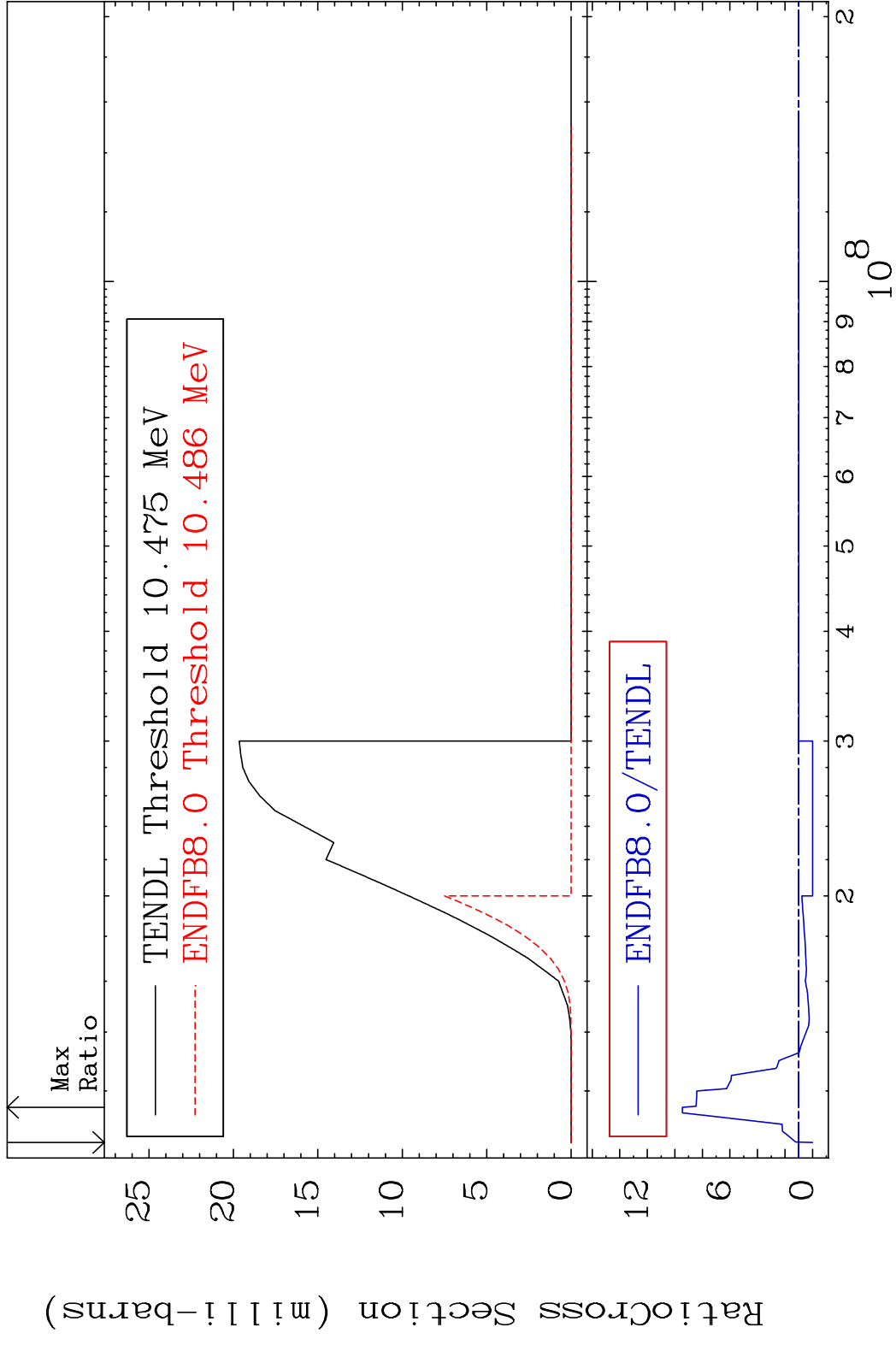
28-Ni-64

MAT 2843 (n,p) 28-Ni-64
 Cross Section -100.0 To 9999. %



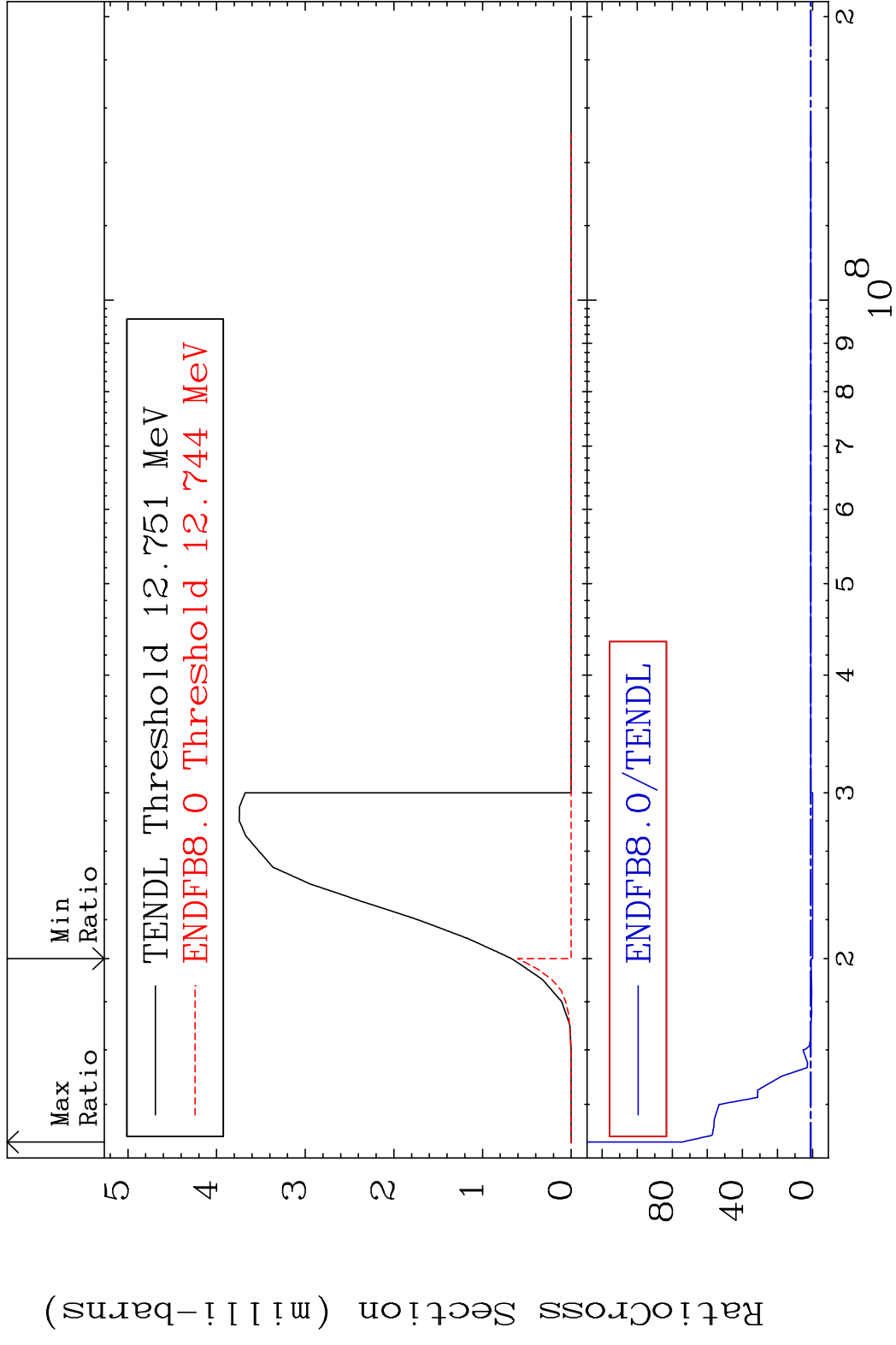
40 28-Ni-64

MAT 2843 (n,d) 28-Ni-64
 Cross Section -100.0 To 845.5 %



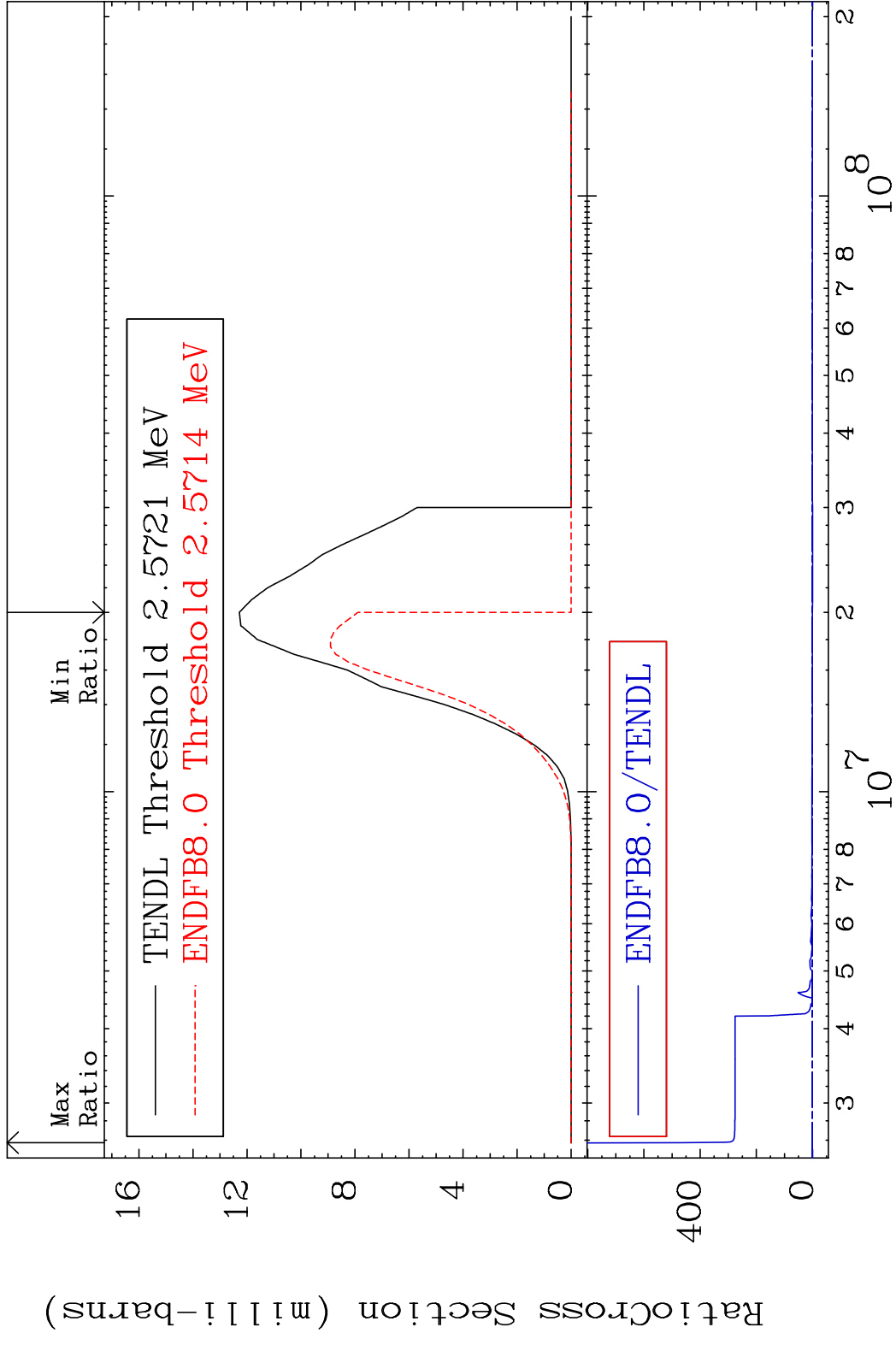
41 Incident Energy (eV) 28-Ni-64

MAT 2843 (n, t) 28-Ni-64
 Cross Section -100.0 To 7326. %



42 28-Ni-64

MAT 2843 (n,α) 28-Ni-64
 Cross Section -100.0 To 9999. %

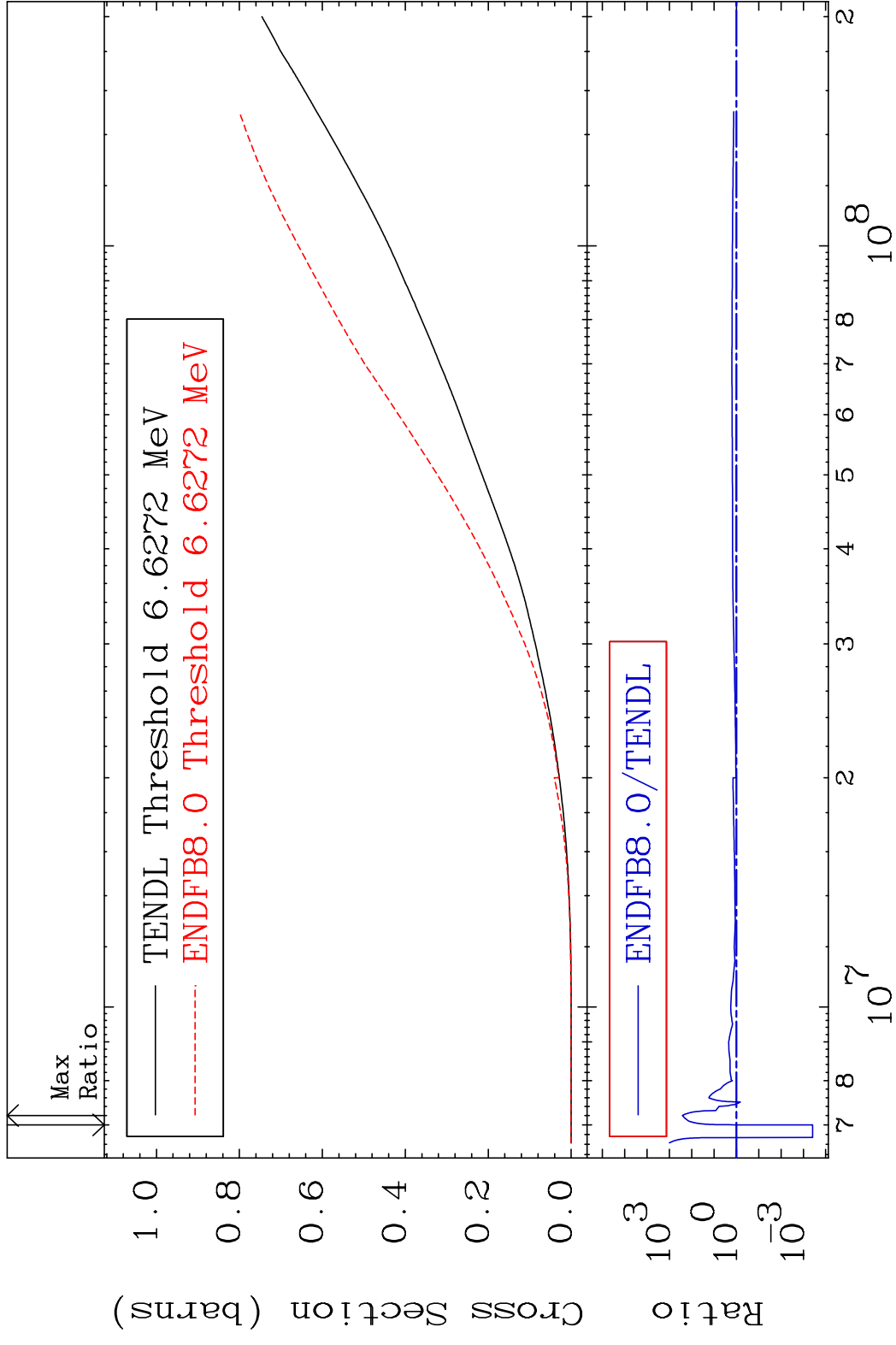


MAT 2843

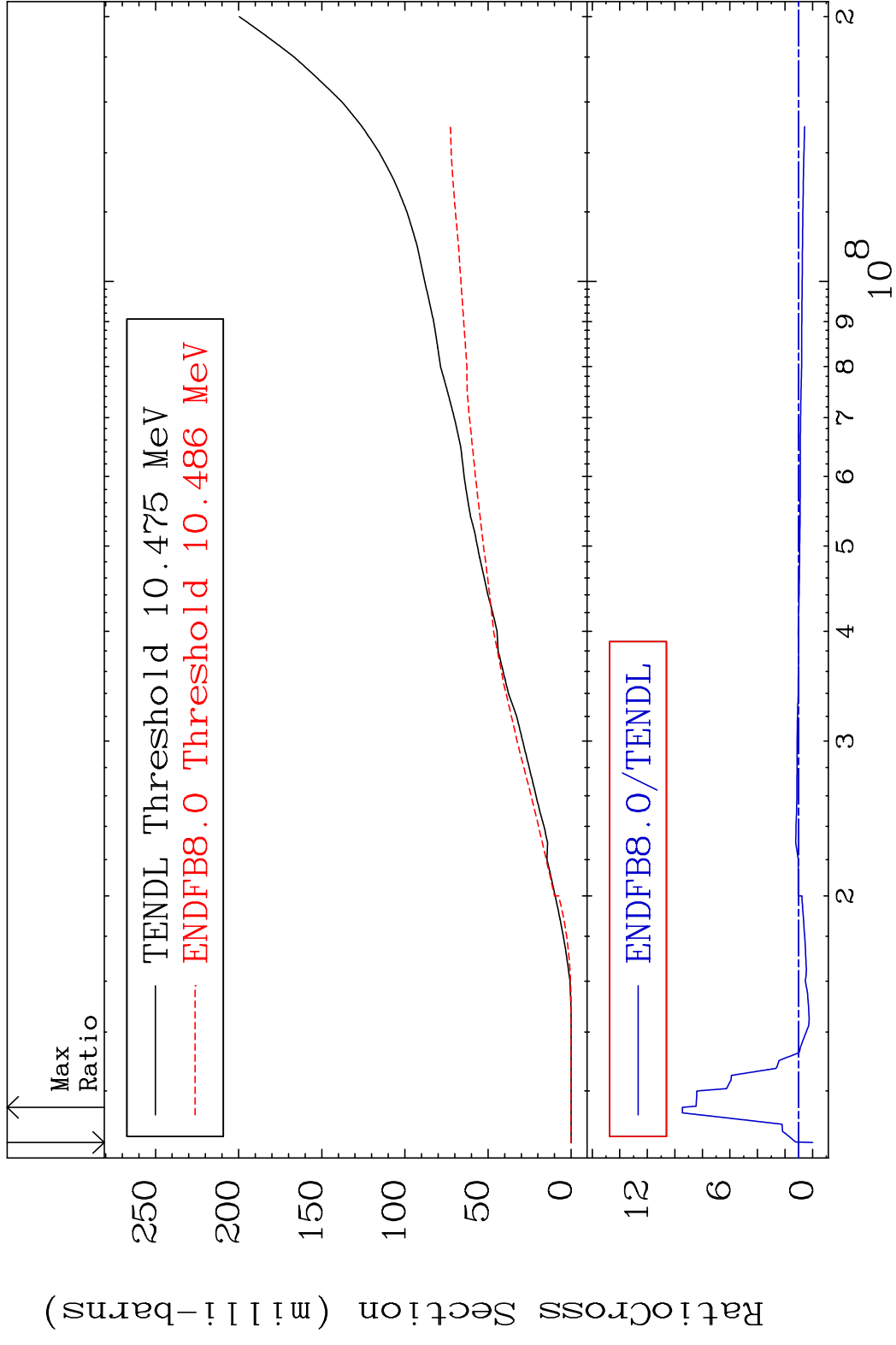
Hydrogen Production

28-Ni-64

Cross Section -99.96 To 9999. %



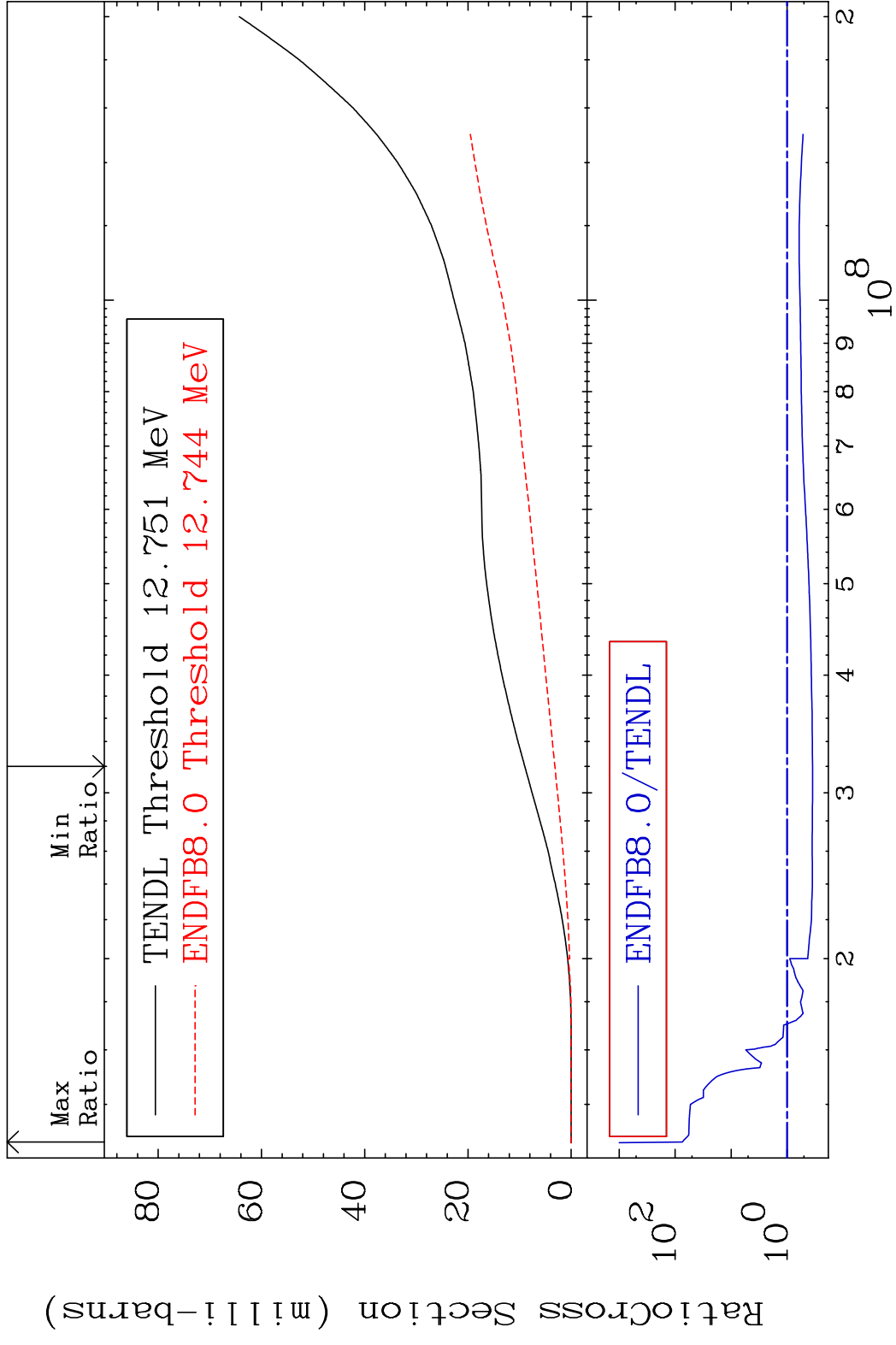
MAT 2843 Deuterium Production $^{28}\text{Ni-64}$
 Cross Section -100.0 To 845.5 %



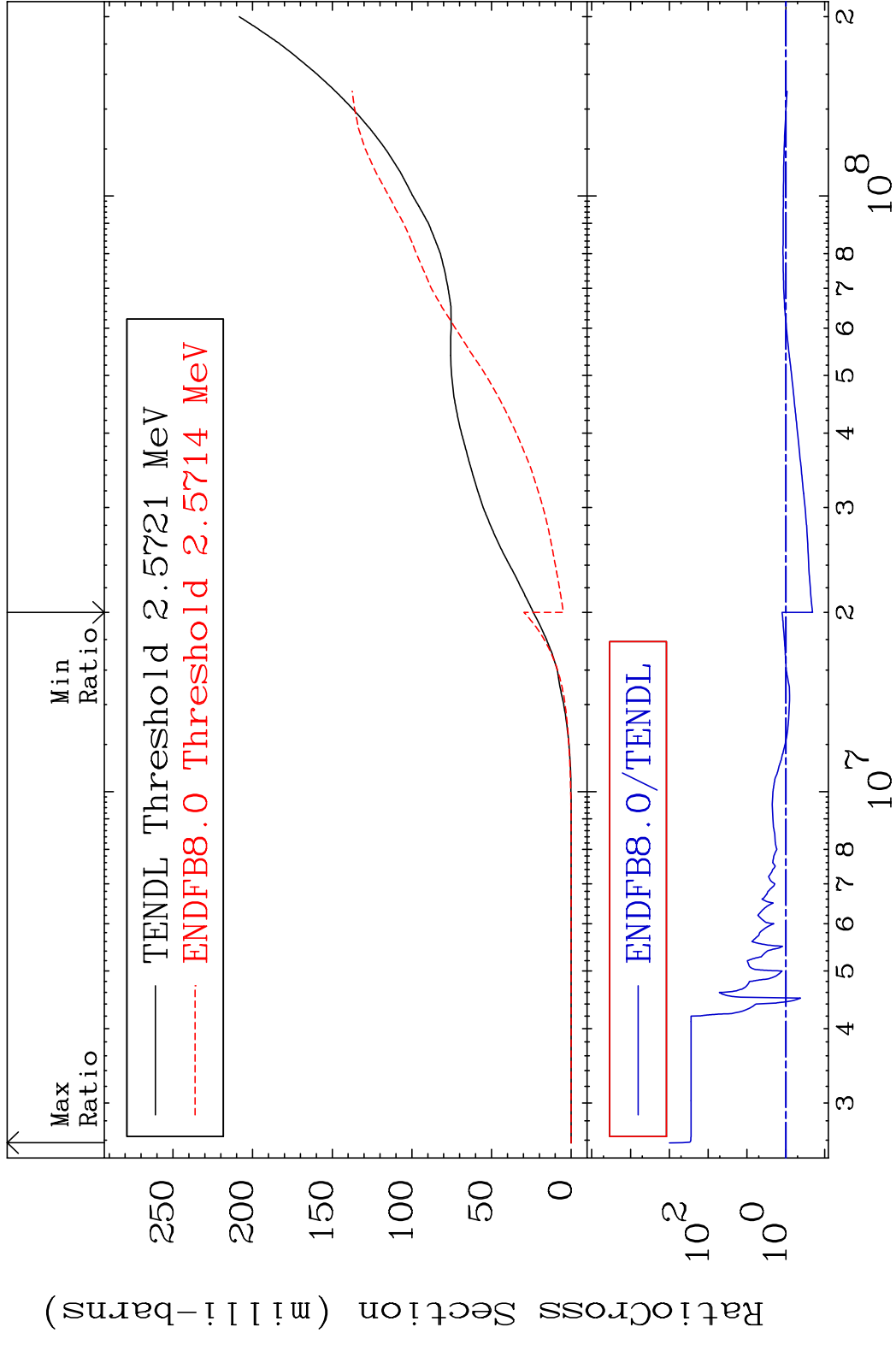
45 $^{28}\text{Ni-64}$

MAT 2843

Tritium Production 28-Ni-64
Cross Section -64.91 To 7326. %

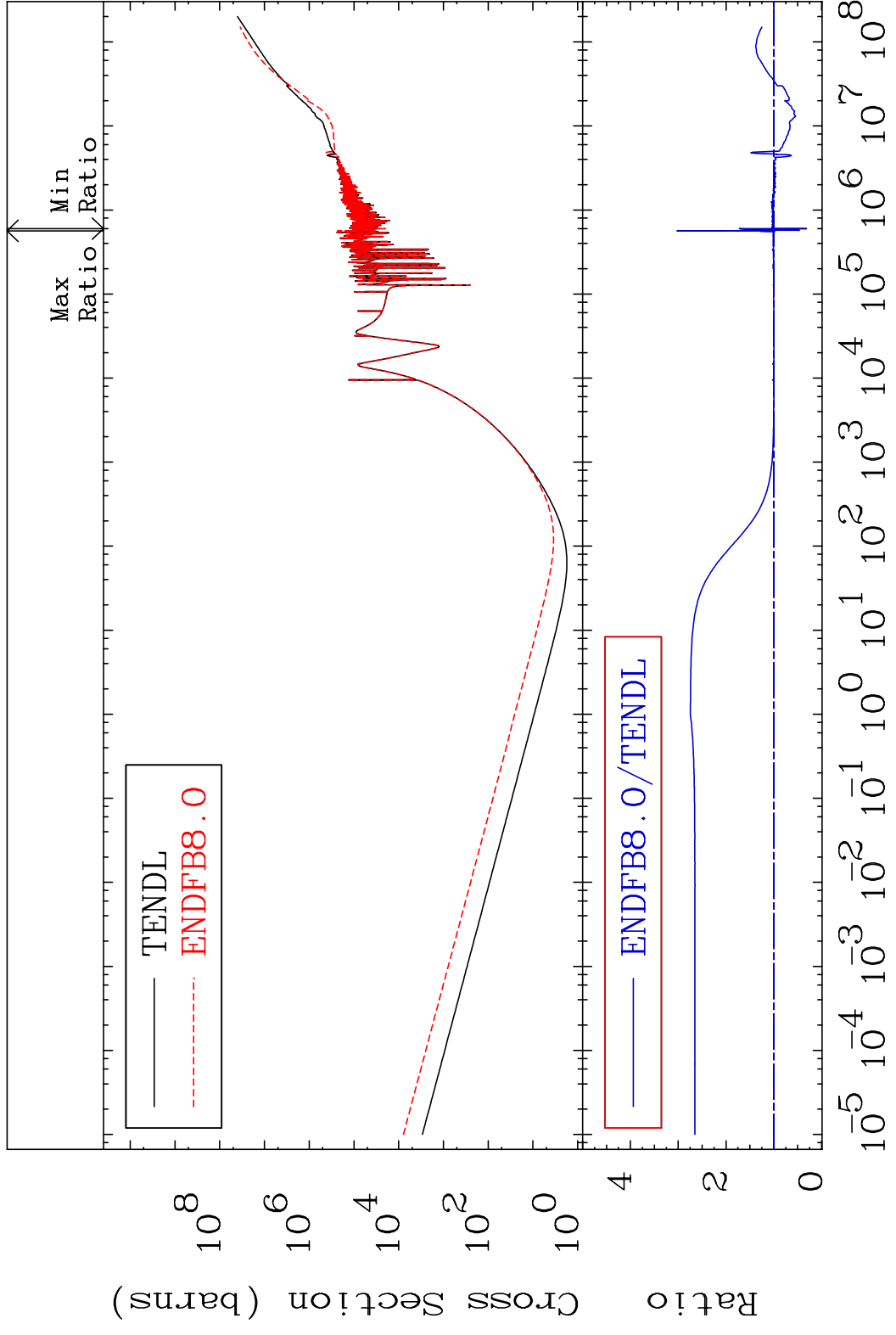


MAT 2843 He-4 Production 28-Ni-64
 Cross Section -79.46 To 9999. %



47 28-Ni-64

MAT 2843 Kerma total (eV-barns) 28-Ni-64
 Cross Section -68.21 To 202.1 %

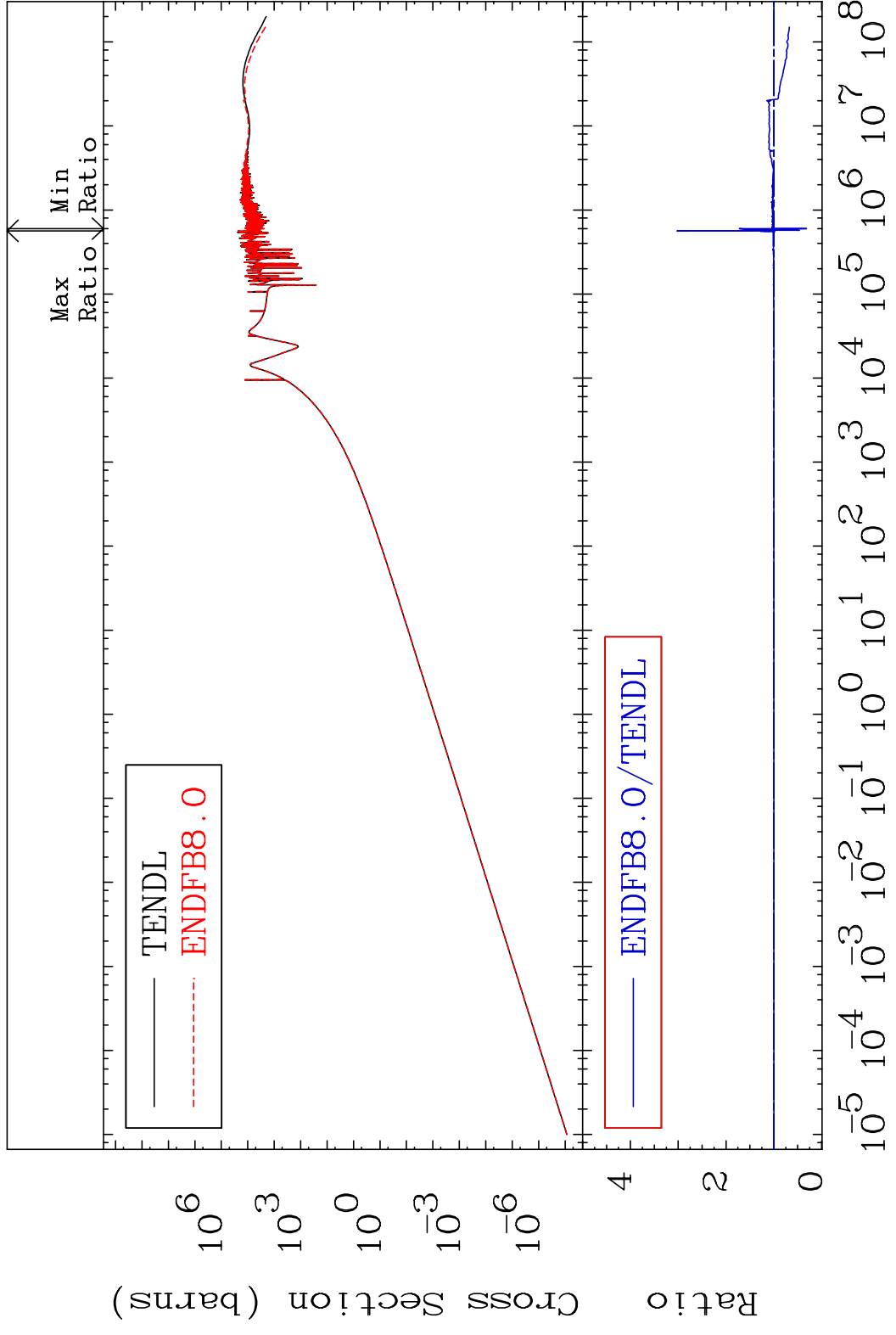


48 Incident Energy (eV) 28-Ni-64

MAT 2843

Kerma elastic
Cross Section

28-Ni-64
-68.21 To 202.1 %

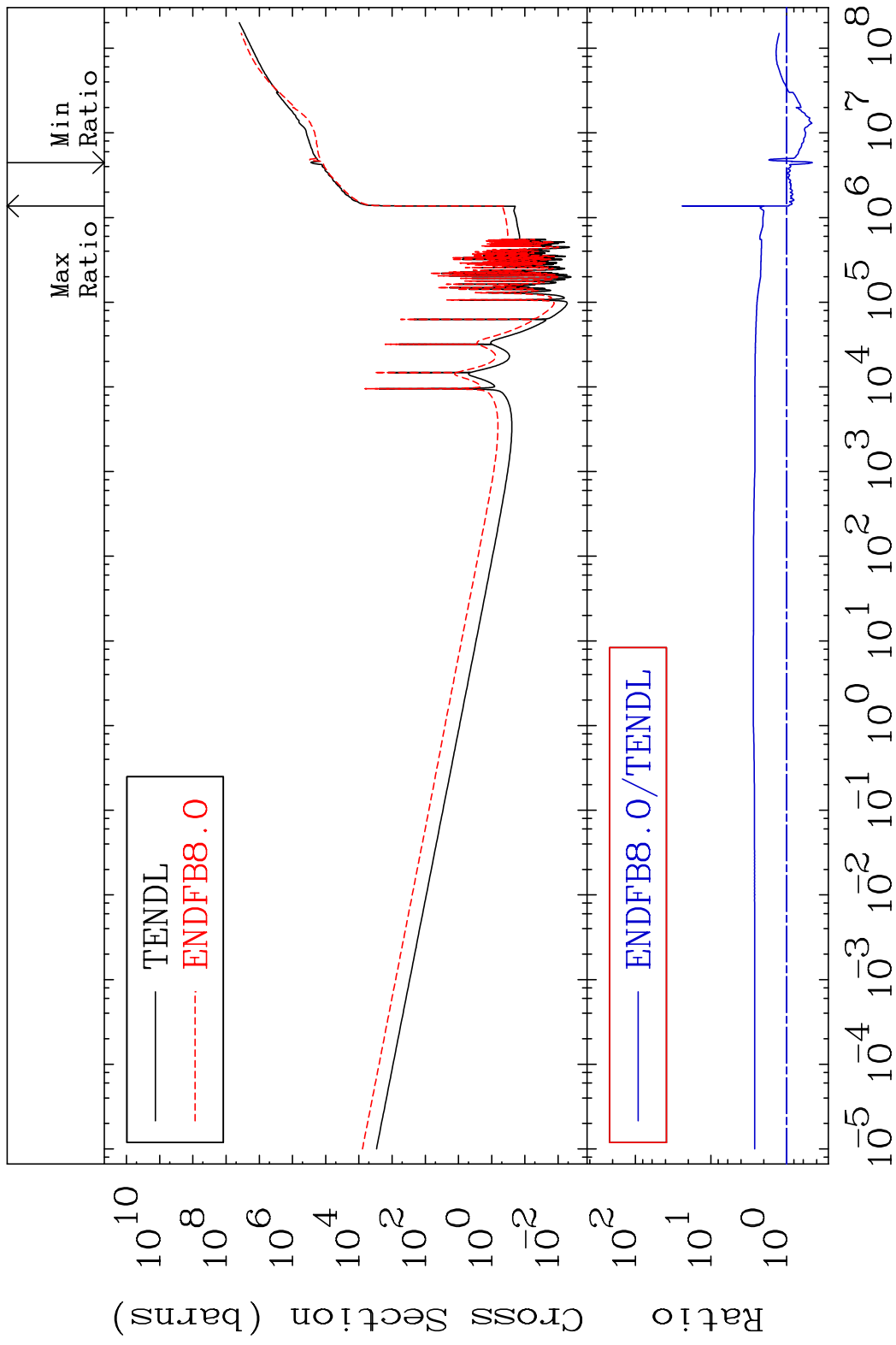


49

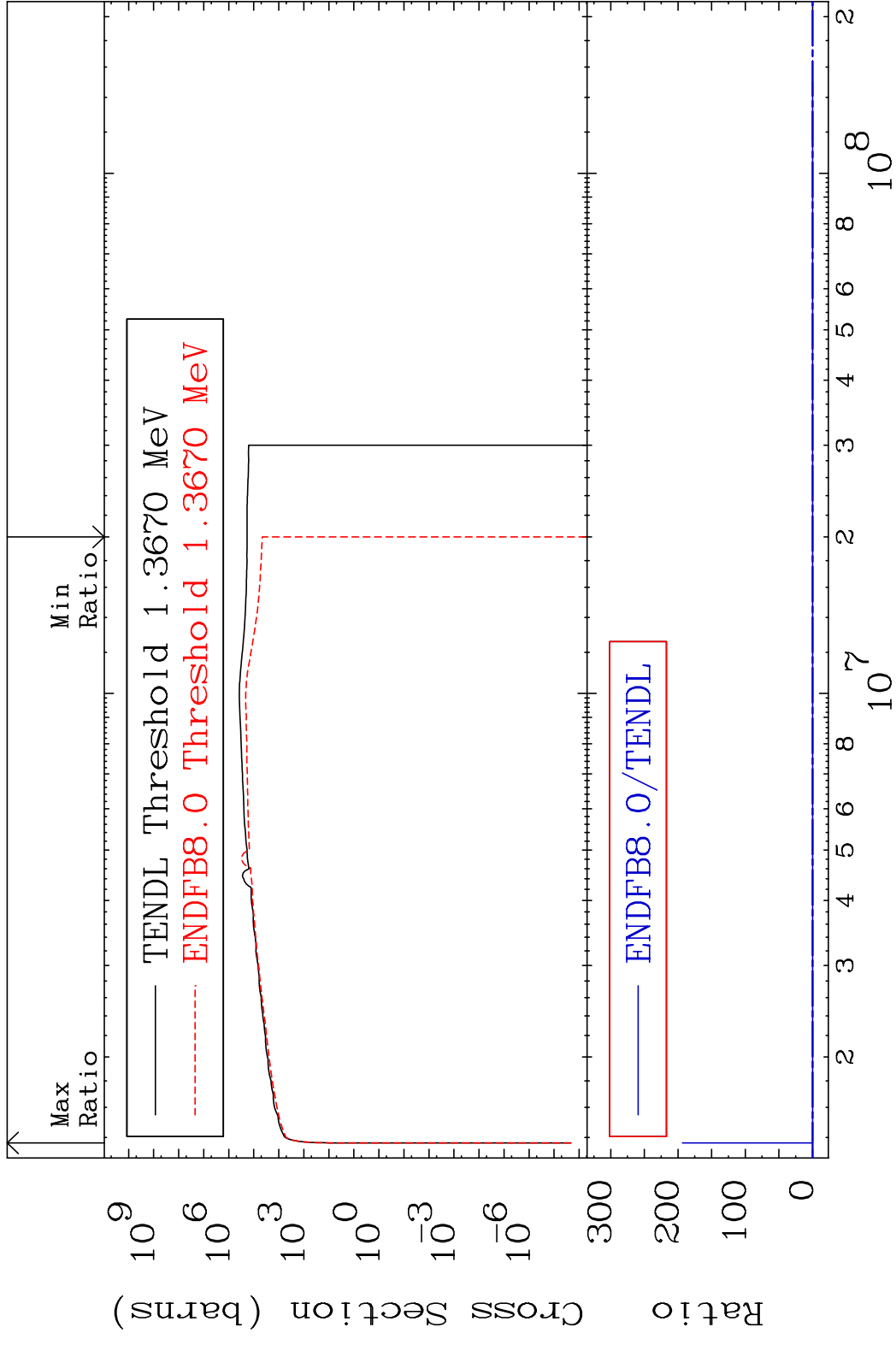
Incident Energy (eV)

28-Ni-64

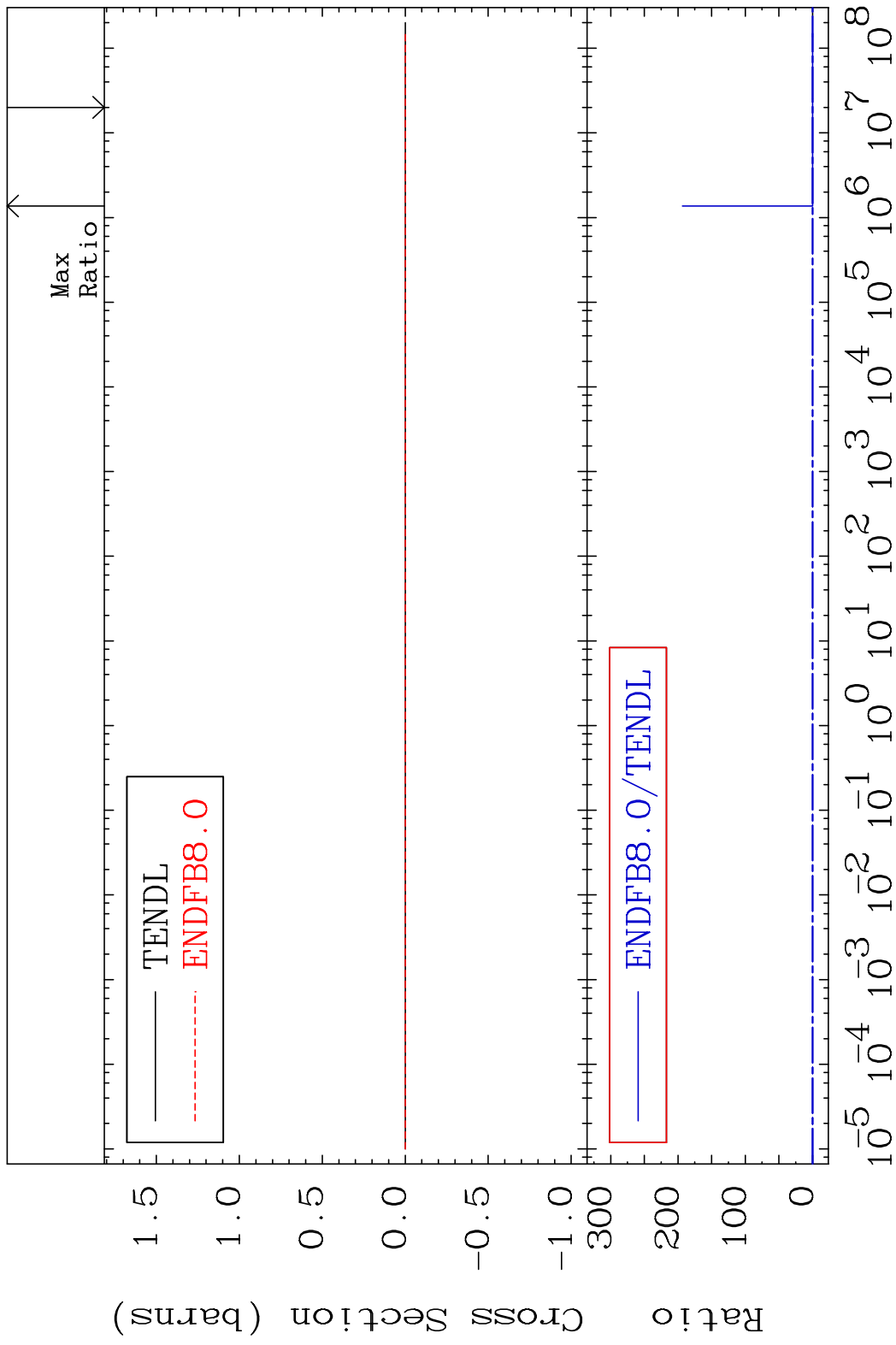
MAT 2843 Kerma non-elastic (all but mt2) 28-Ni-64
 Cross Section -54.65 To 2291. %



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

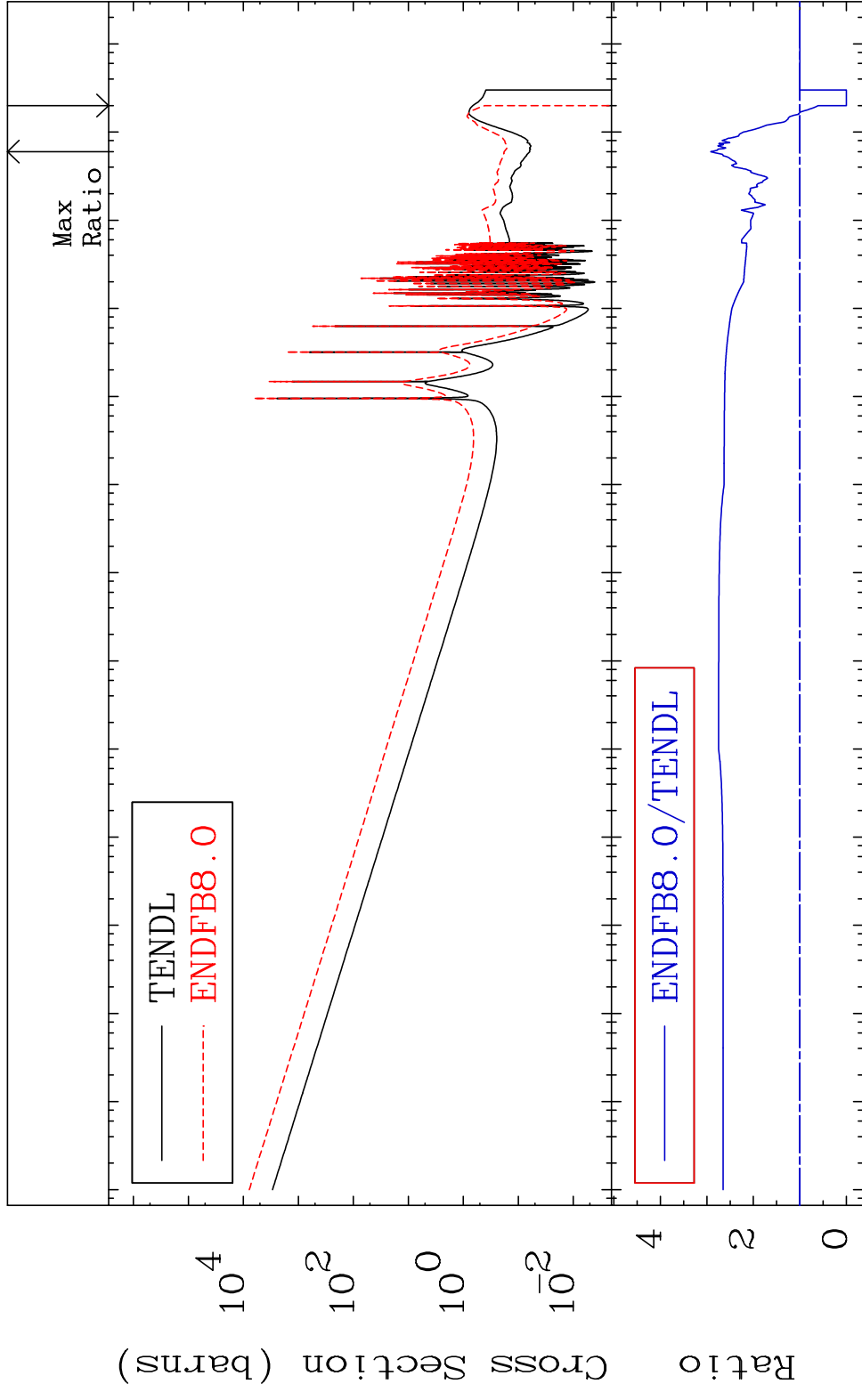


MAT 2843 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-64
 Cross Section -100.0 To 9999. %



MAT 2843

Kerma capture (mt102) 28-Ni-64
Cross Section -100.0 To 191.7 %



53

Incident Energy (eV)

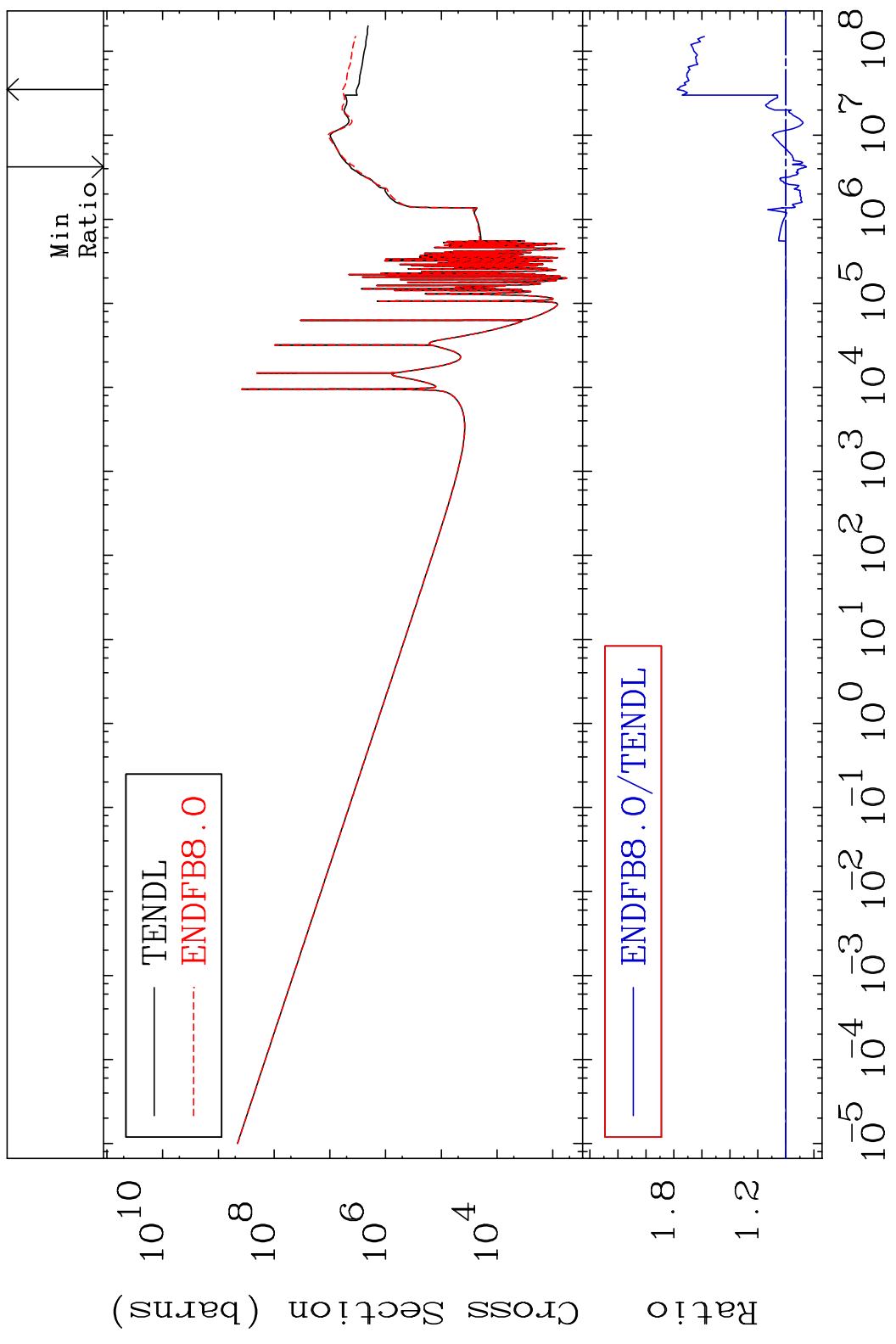
28-Ni-64

MAT 2843

Total photon (eV-barns)

28-Ni-64

Cross Section -14.66 To 77.66 %

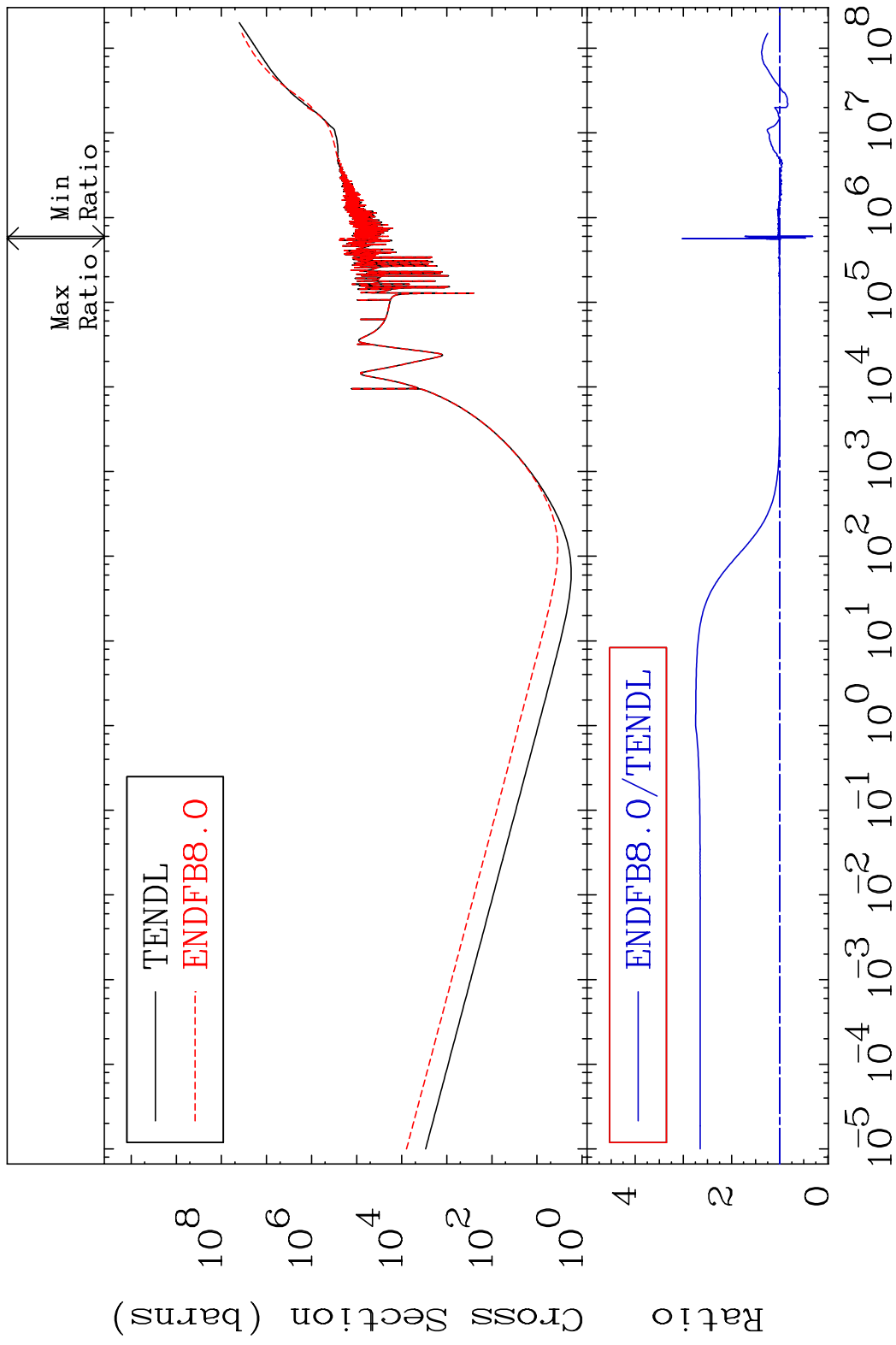


54

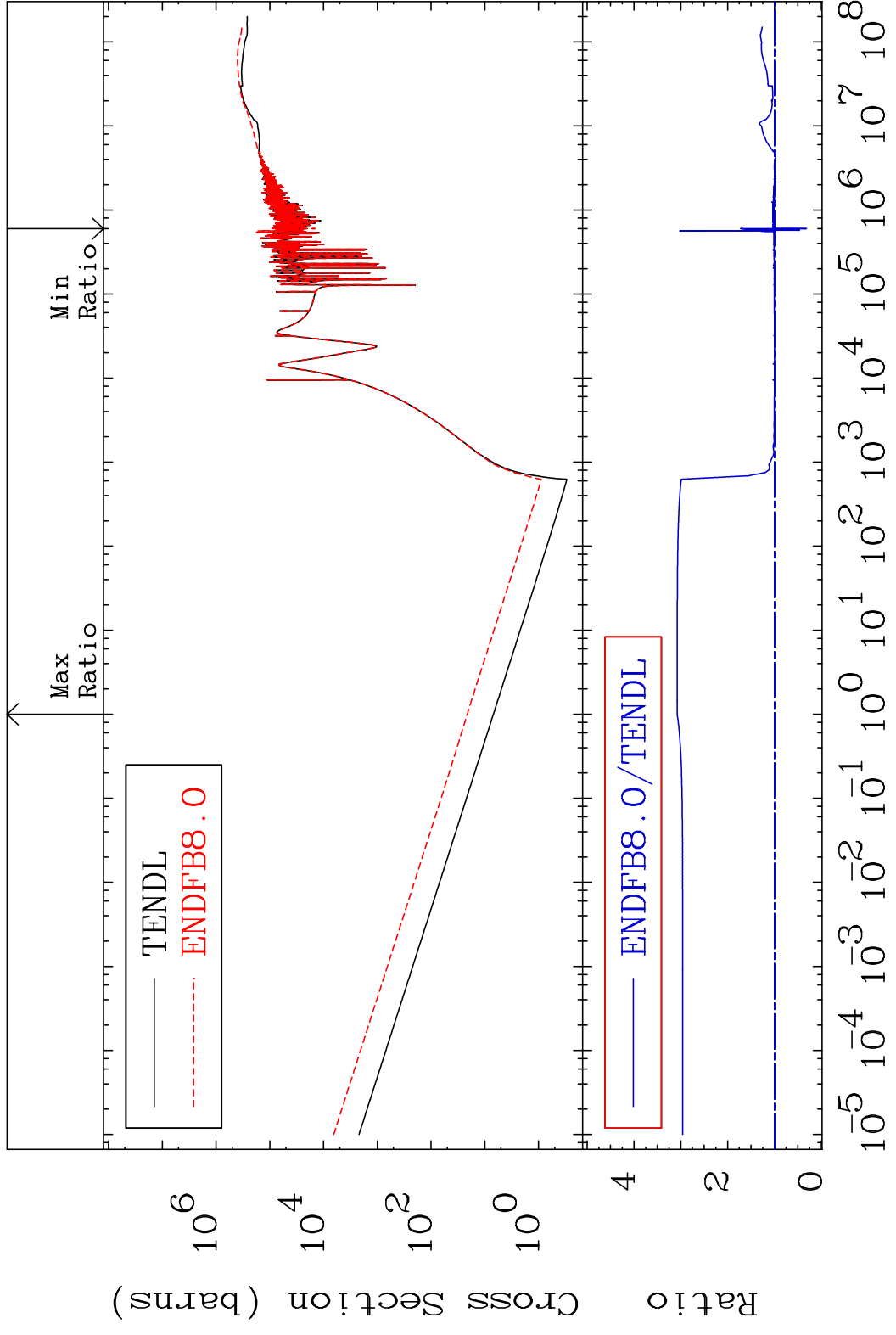
Incident Energy (eV)

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 %

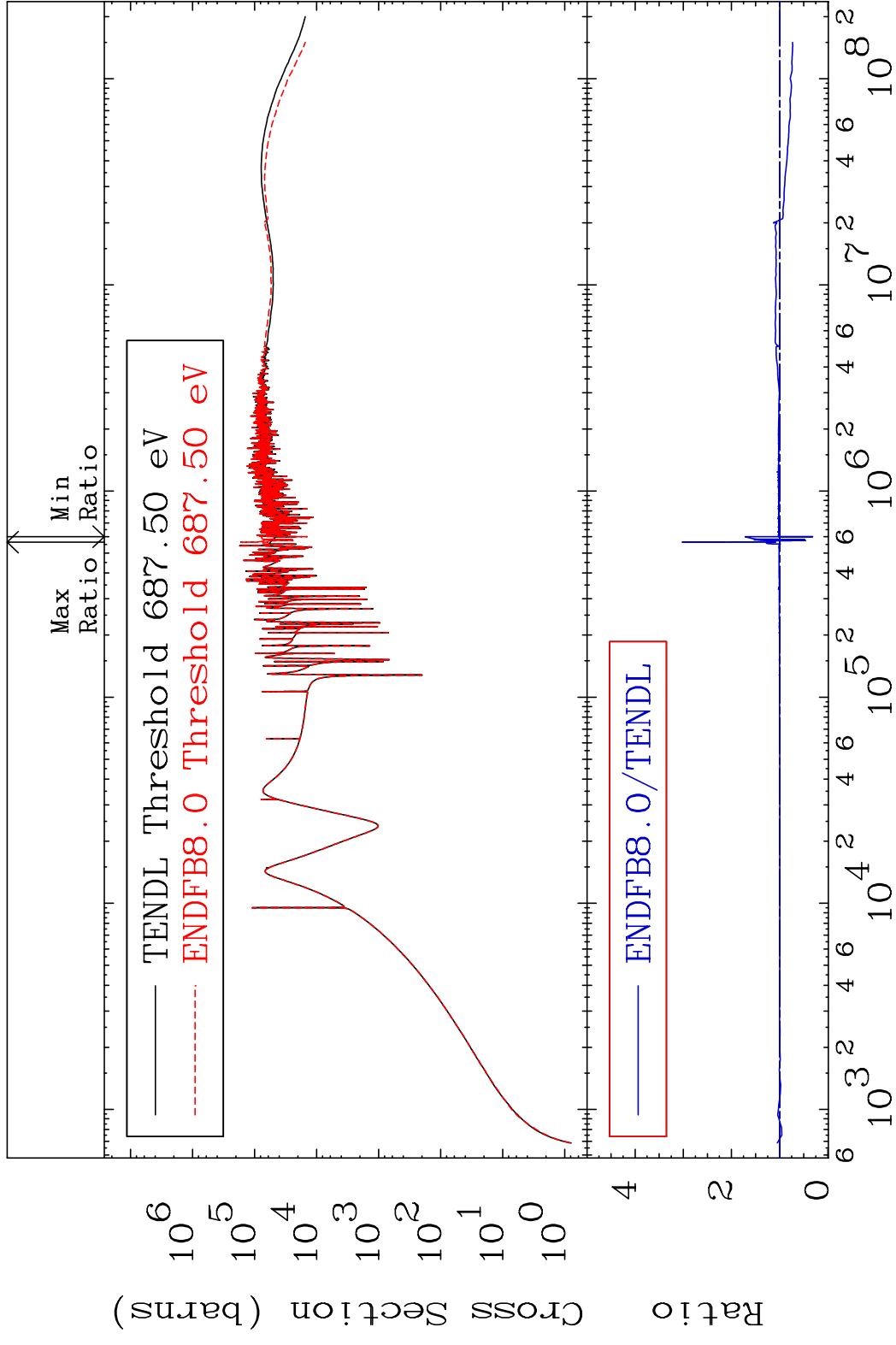


MAT 2843

Dpa elastic (mt2)

28-Ni-64

Cross Section -68.23 To 201.9 %

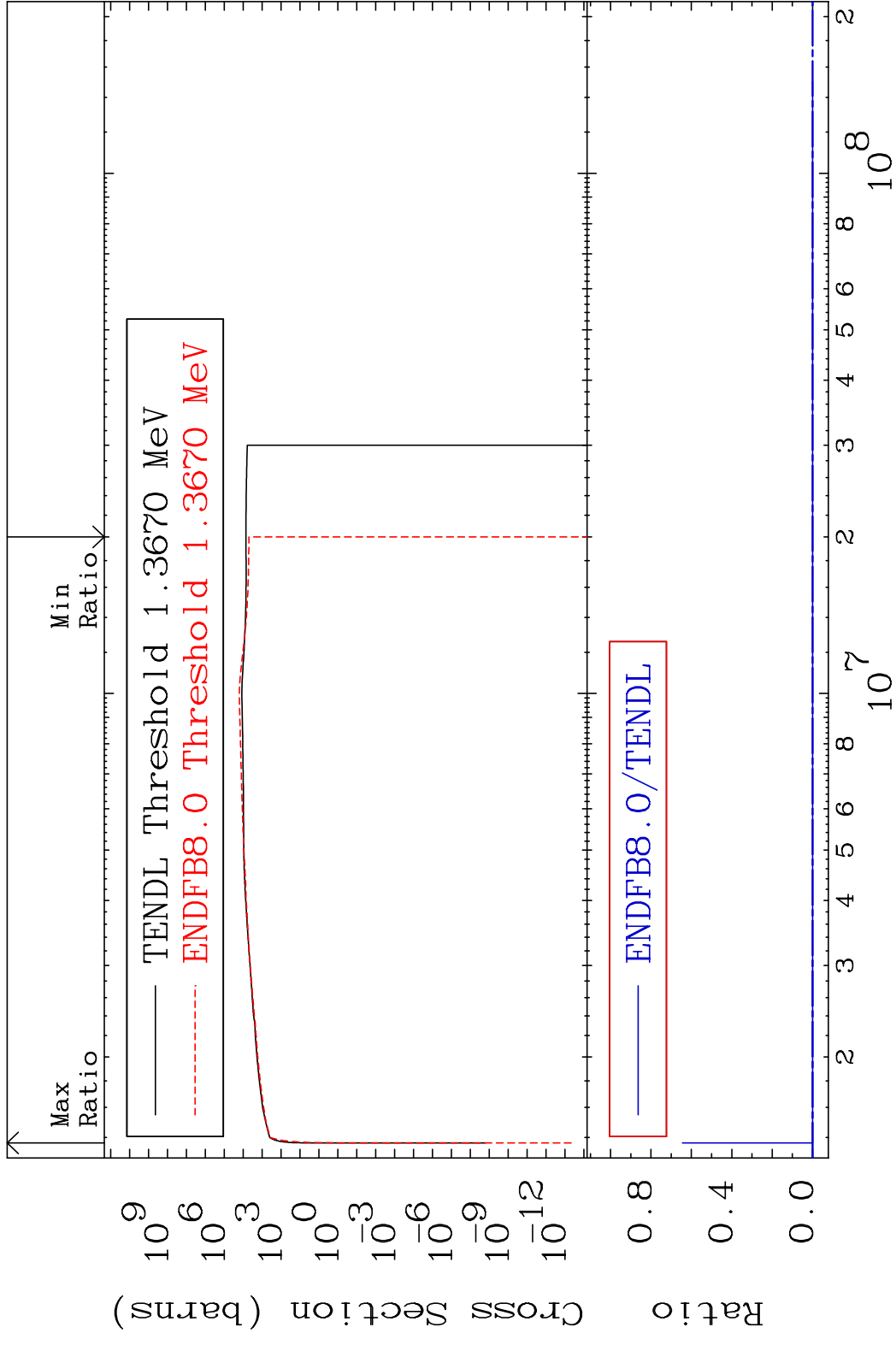


57

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 %

