

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

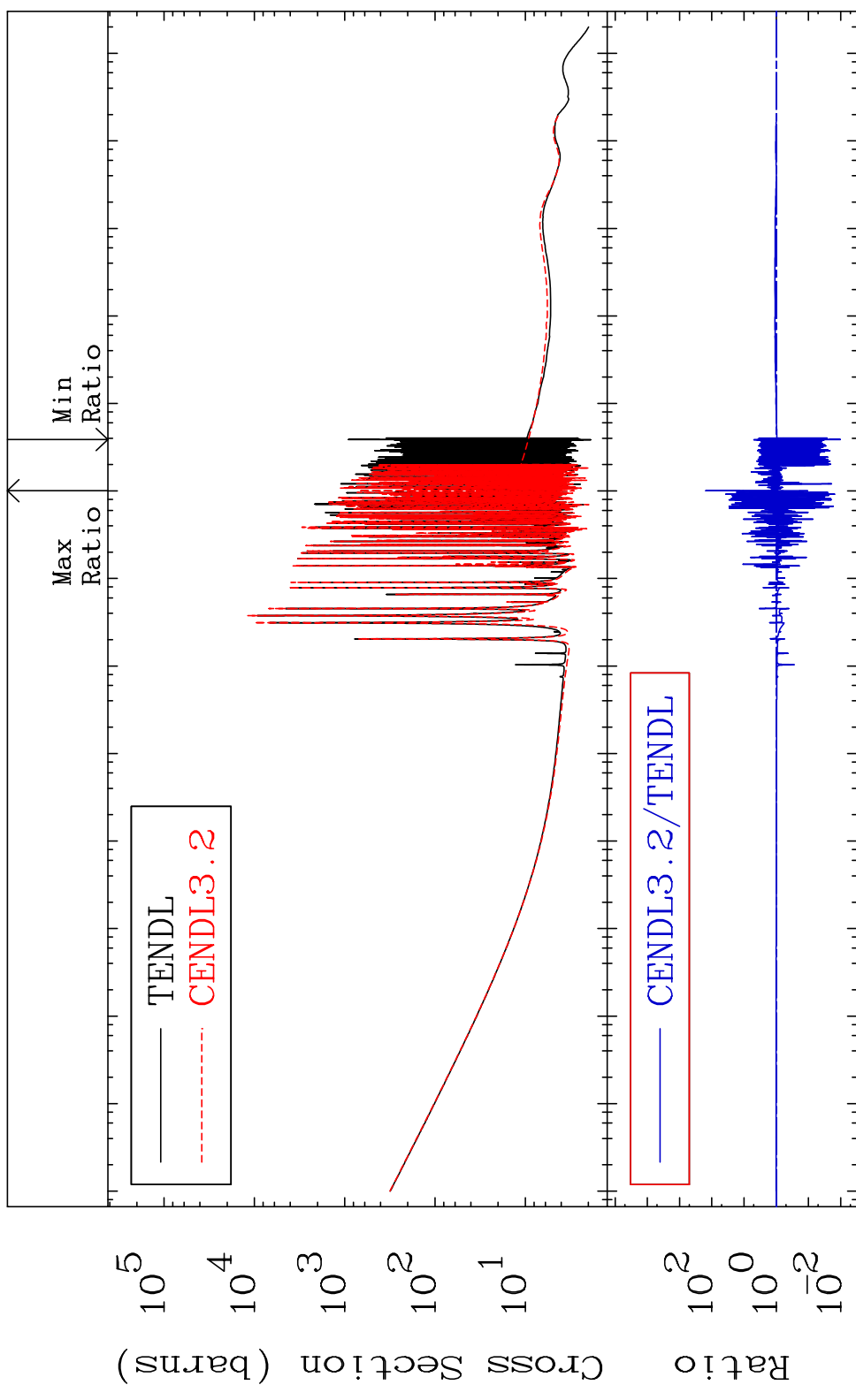
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5325

Total 53-I -127
Cross Section -98.98 To 9999. %



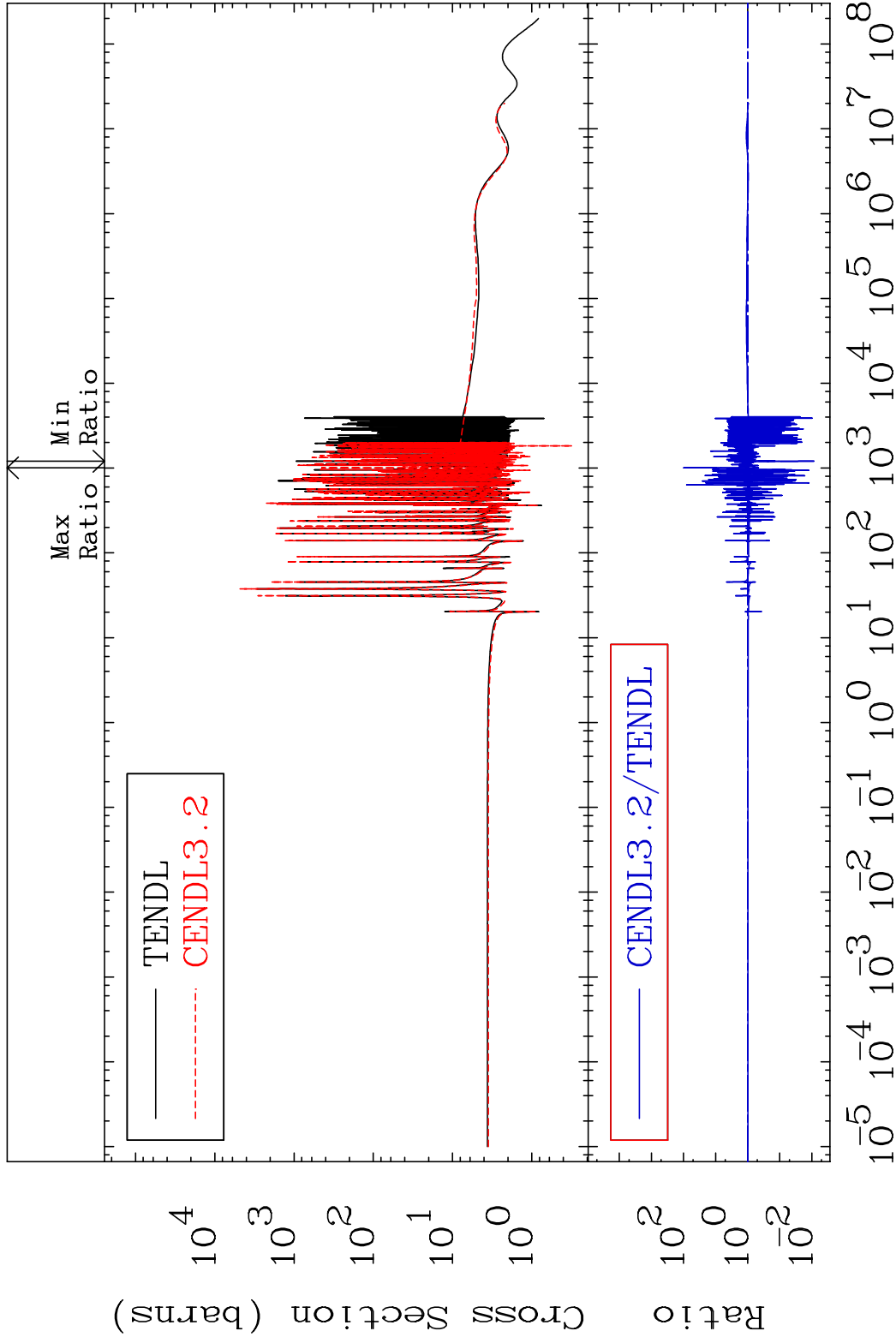
1 Incident Energy (eV) 53-I -127

MAT 5325

Elastic

53-I -127

Cross Section -99.15 To 9787. %



2

Incident Energy (eV)

53-I -127

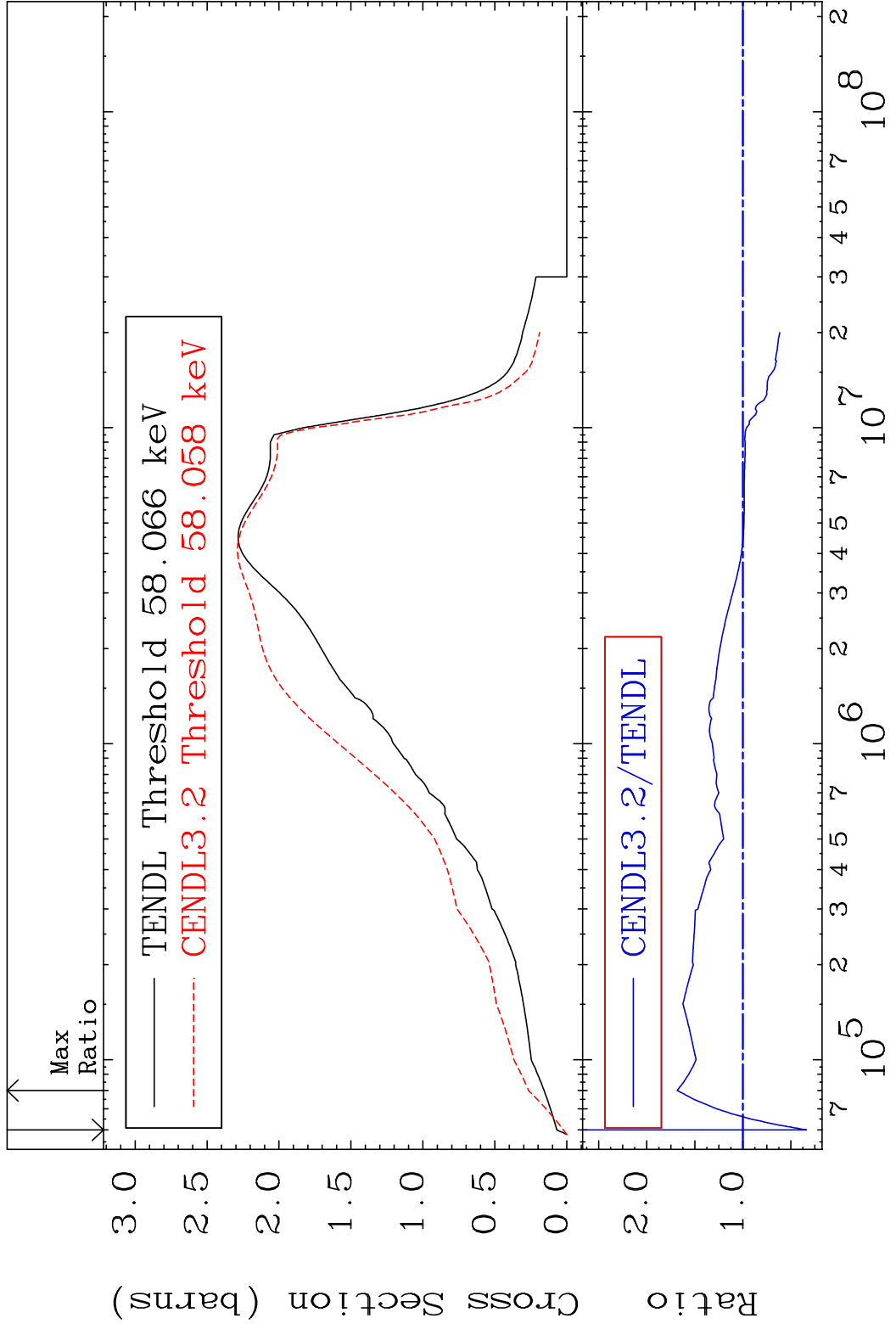
MAT 5325

Inelastic

53-I -127

Cross Section

-66.12 To 68.34 %



3

Incident Energy (eV)

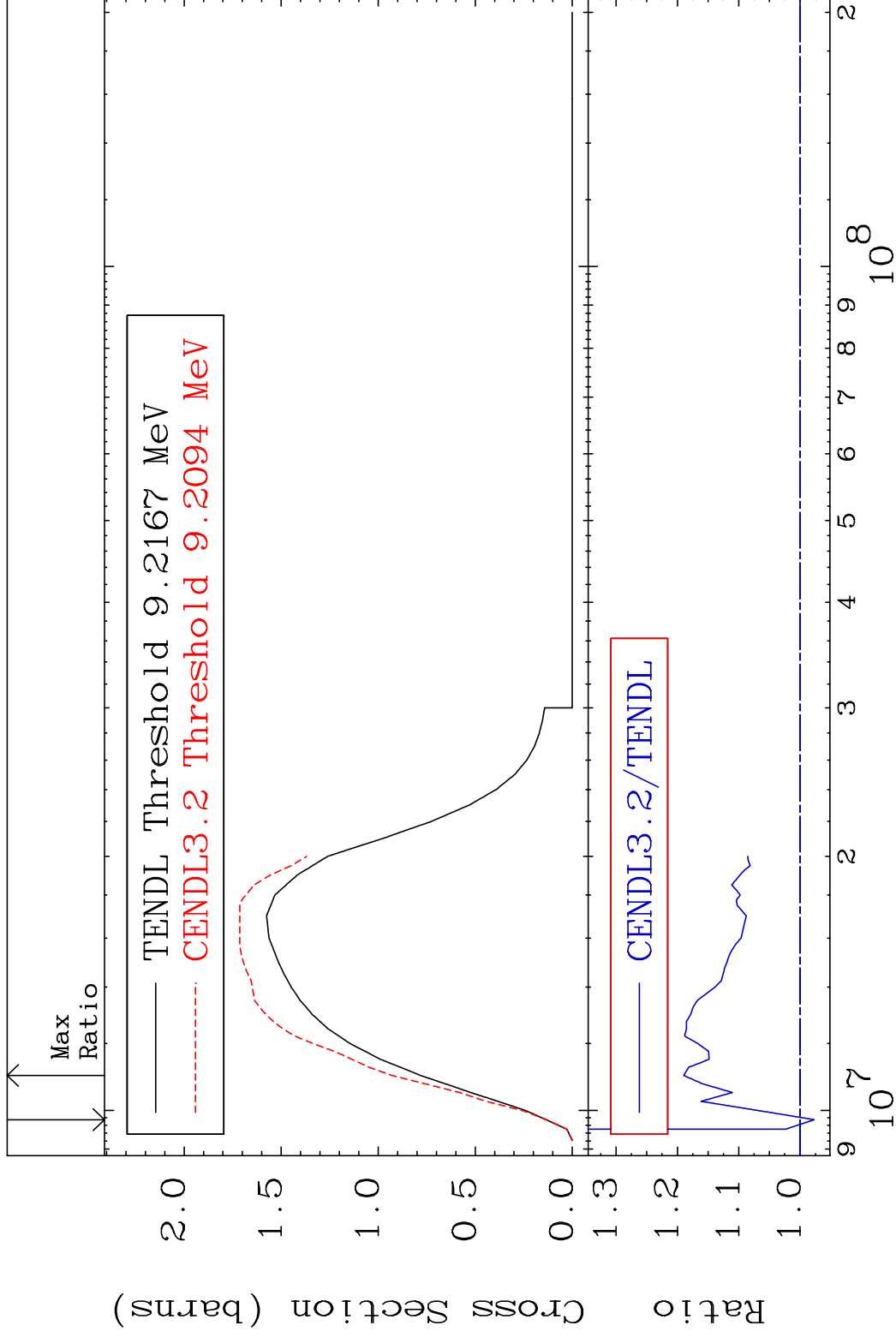
53-I -127

MAT 5325

(n,2n)

53-I -127

Cross Section -2.287 To 18.98 %



4

Incident Energy (eV)

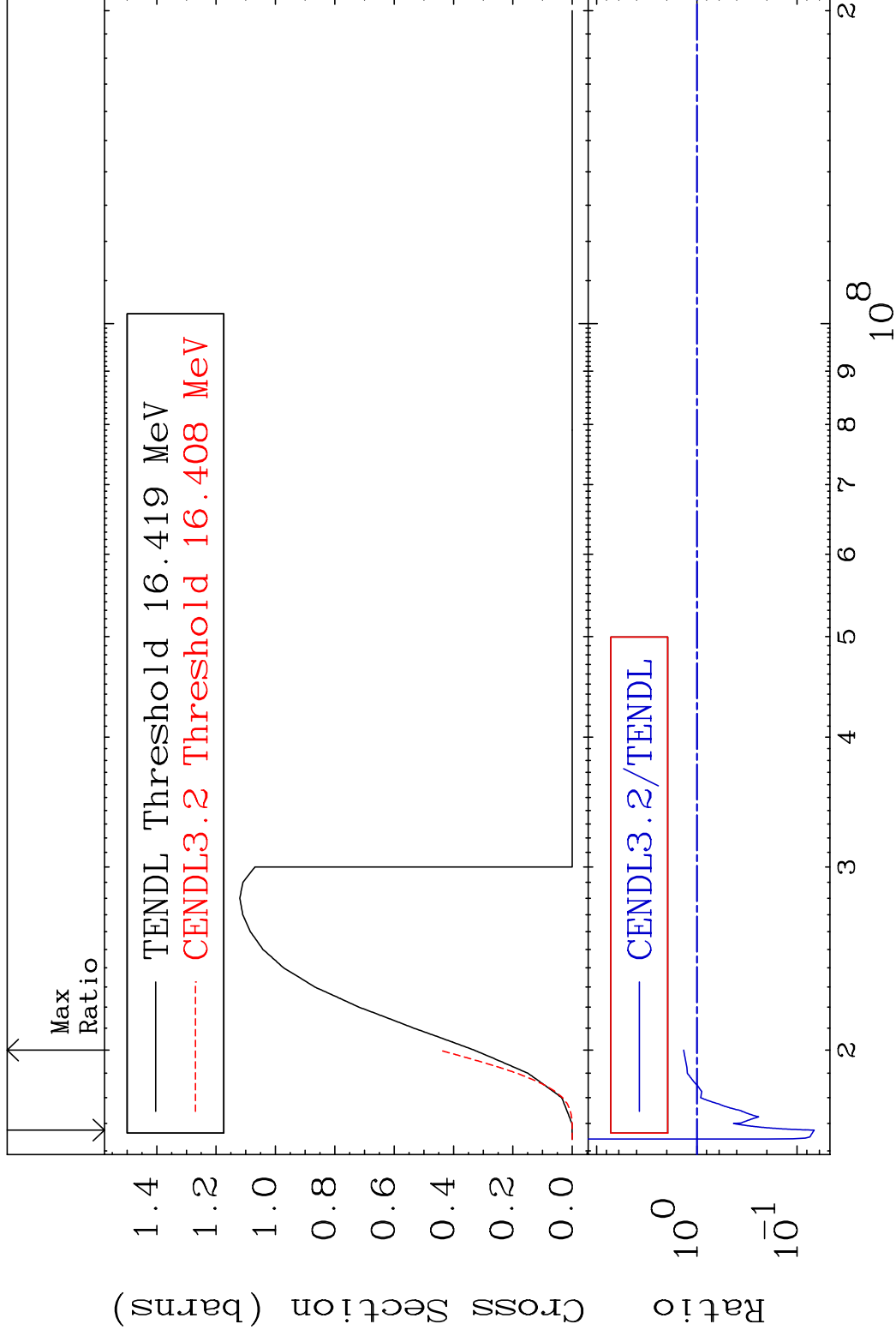
53-I -127

MAT 5325

(n,3n)

53-I -127

Cross Section -93.24 To 35.48 %

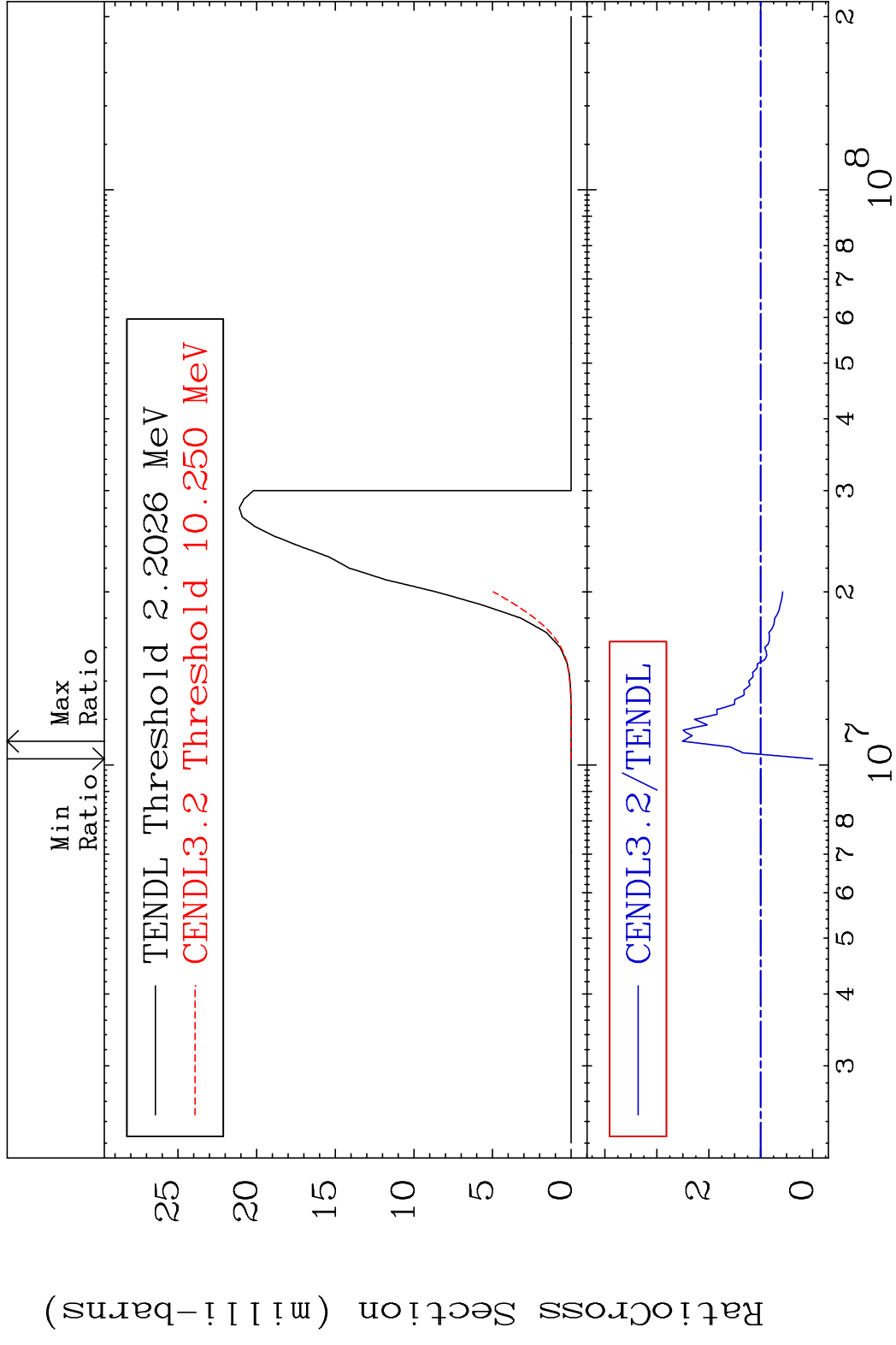


5

Incident Energy (eV)

53-I -127

MAT 5325 (n, n') α 53-I -127
 Cross Section -100.0 To 150.9 %

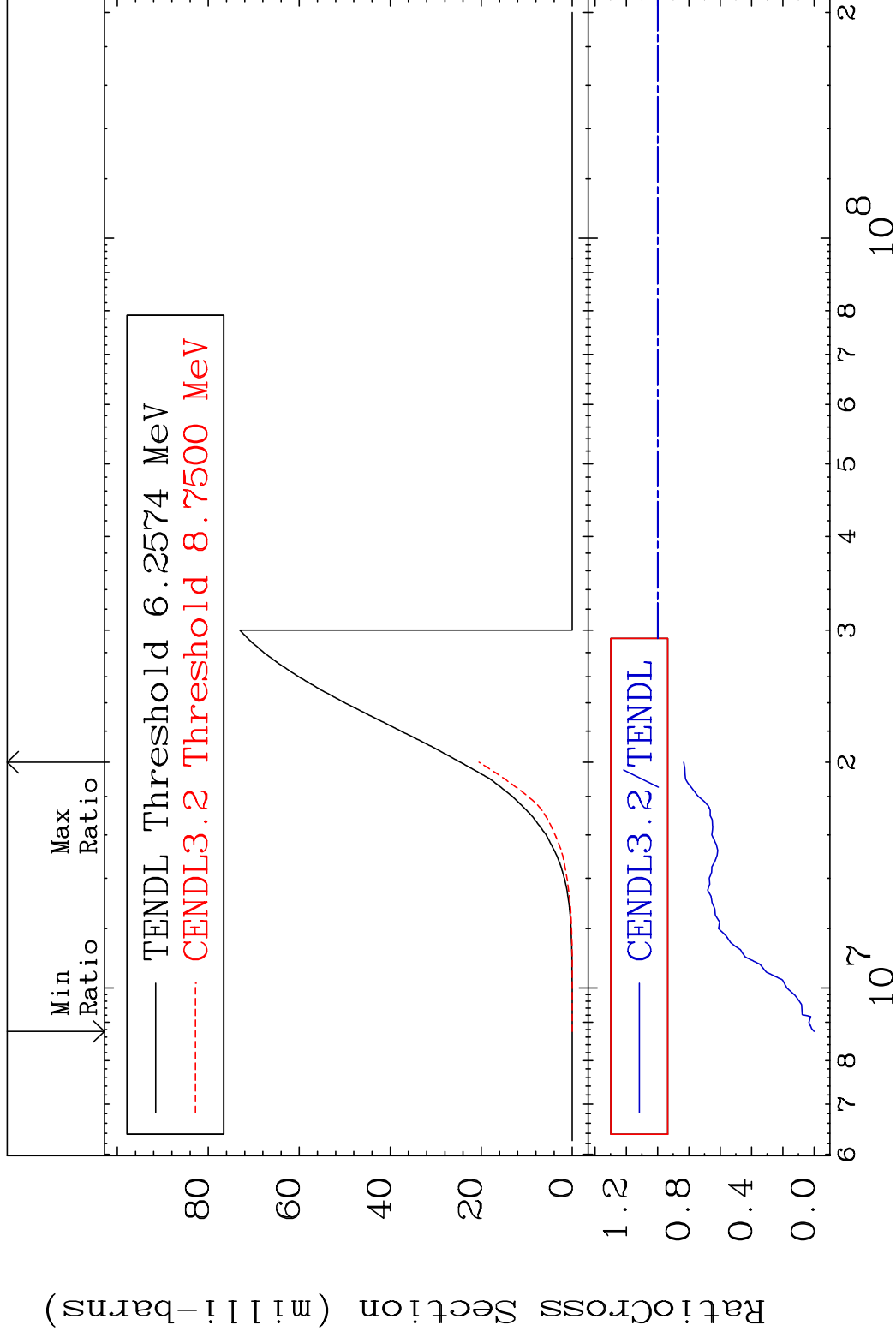


6 Incident Energy (eV) 53-I -127

MAT 5325

(n, n') p 53-I -127

Cross Section -100.0 To -16.66%

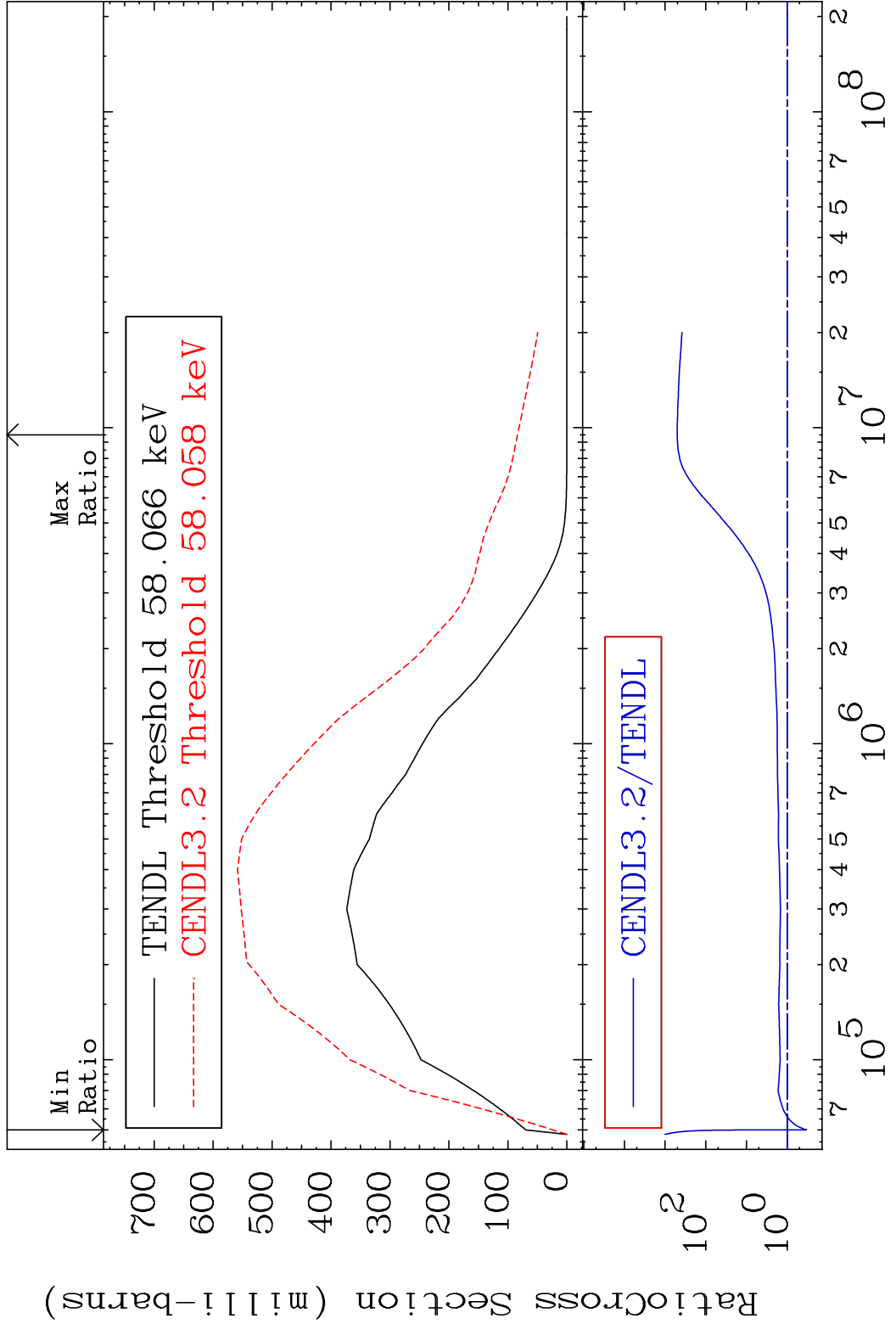


7

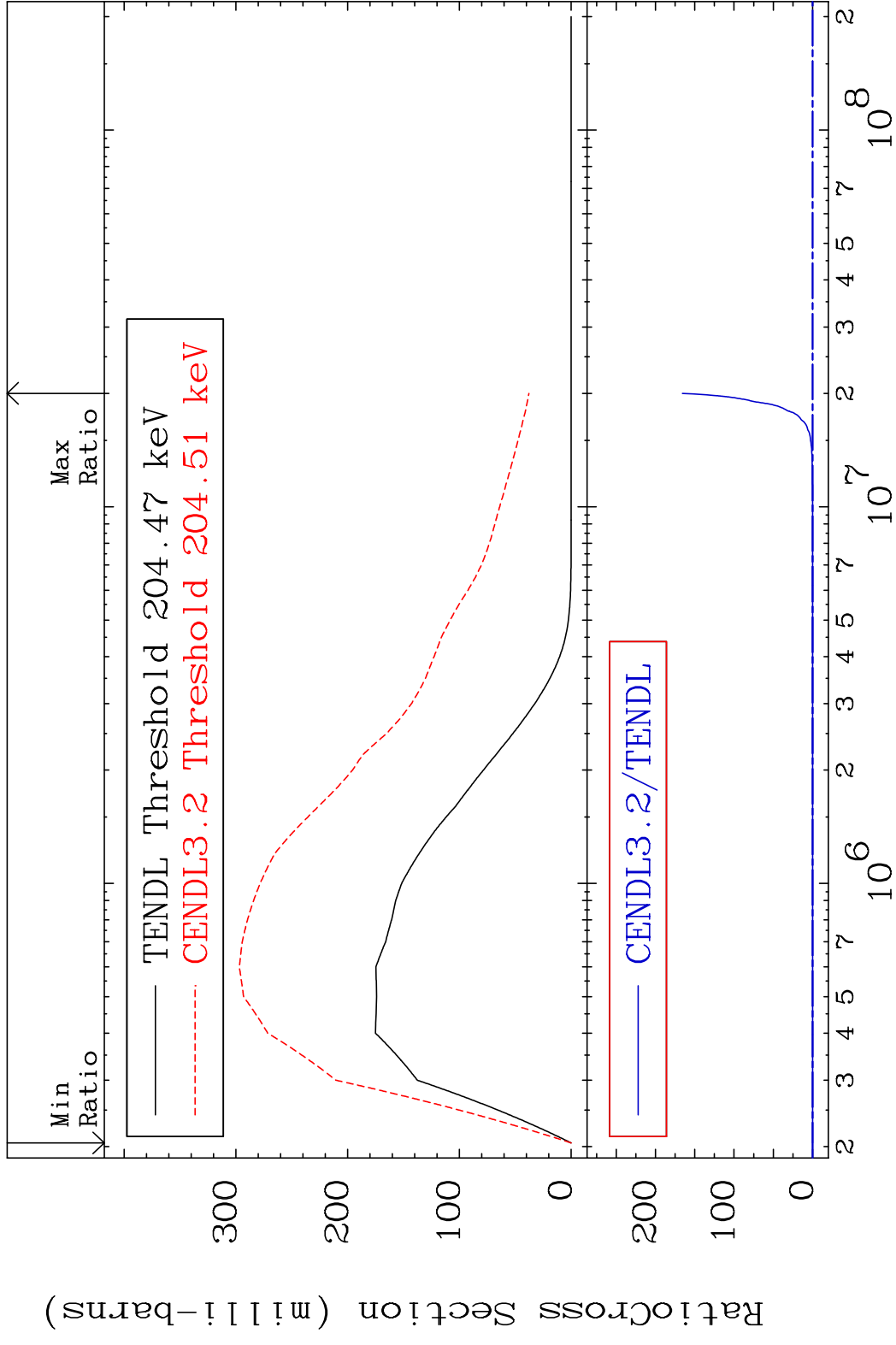
Incident Energy (eV)

53-I -127

MAT 5325 MT= 51 (n,n') Level 53-I -127
 Cross Section -66.12 To 9999. %



MAT 5325 MT= 52 (n,n') Level 53-I -127
 Cross Section -100.0 To 9999. %



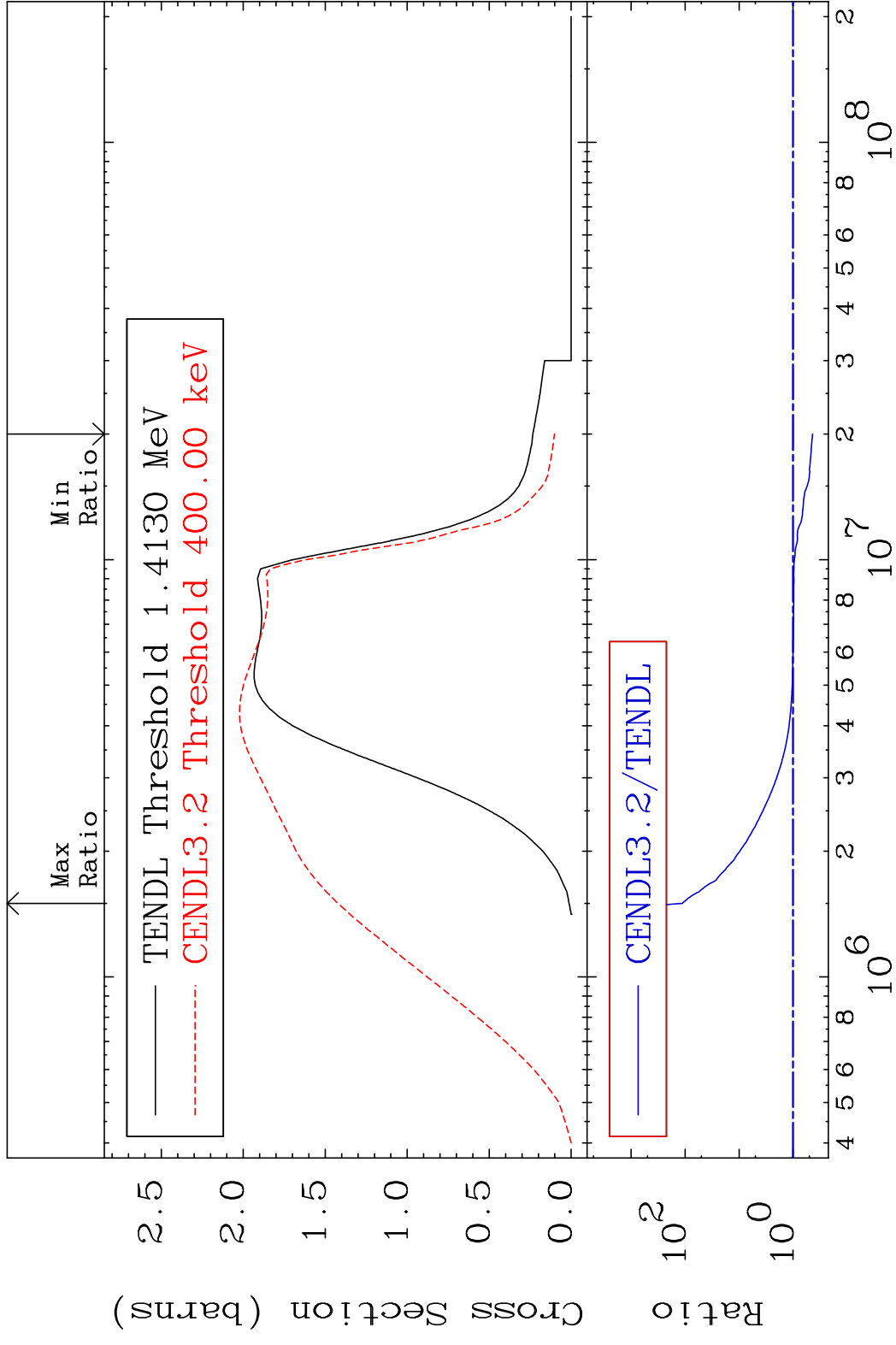
MAT 5325

(n, n') Continuum

53-I -127

Cross Section

-56.38 To 9999. %



10

Incident Energy (eV)

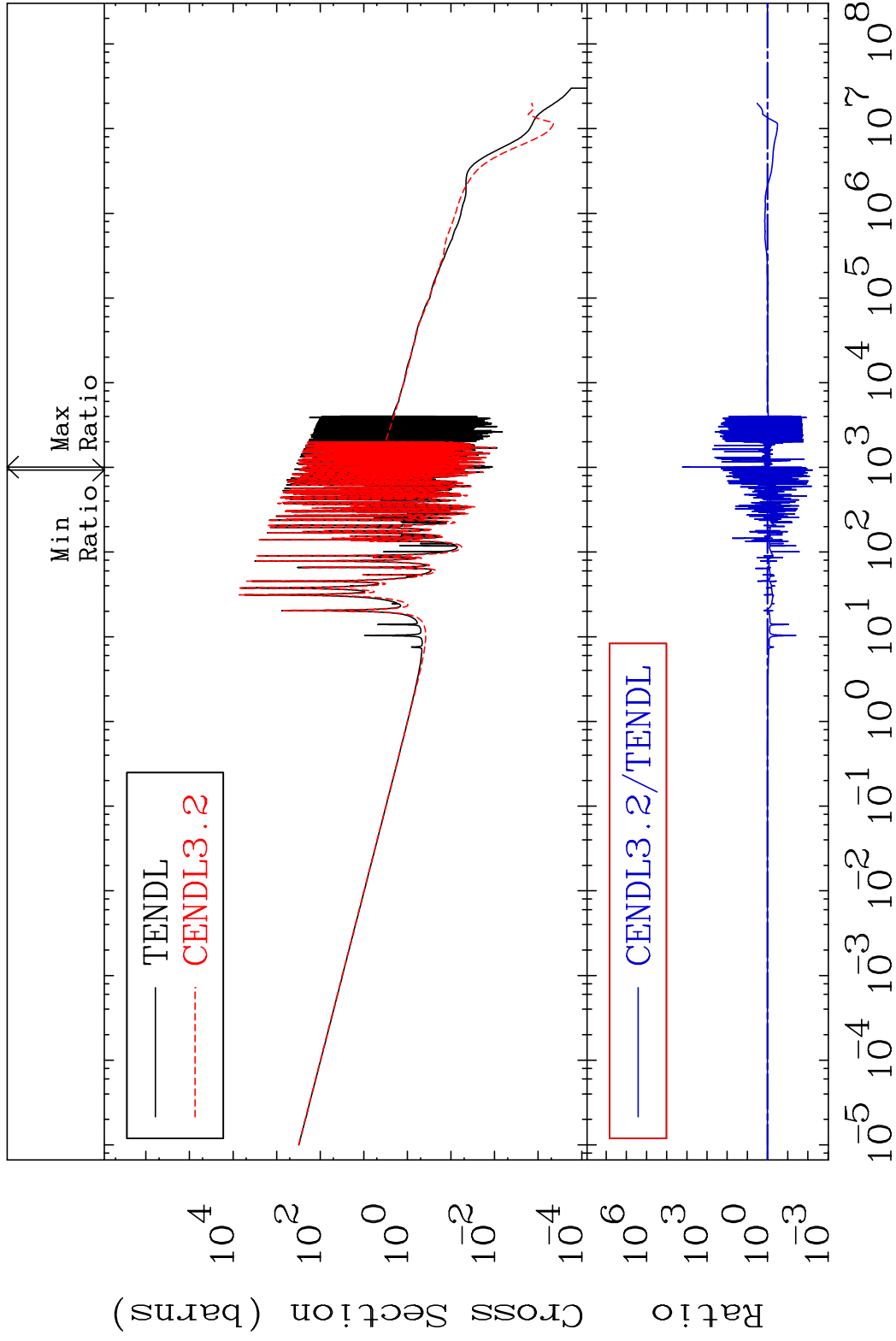
53-I -127

MAT 5325

(n, γ)

53-I -127

Cross Section -99.41 To 9999. %



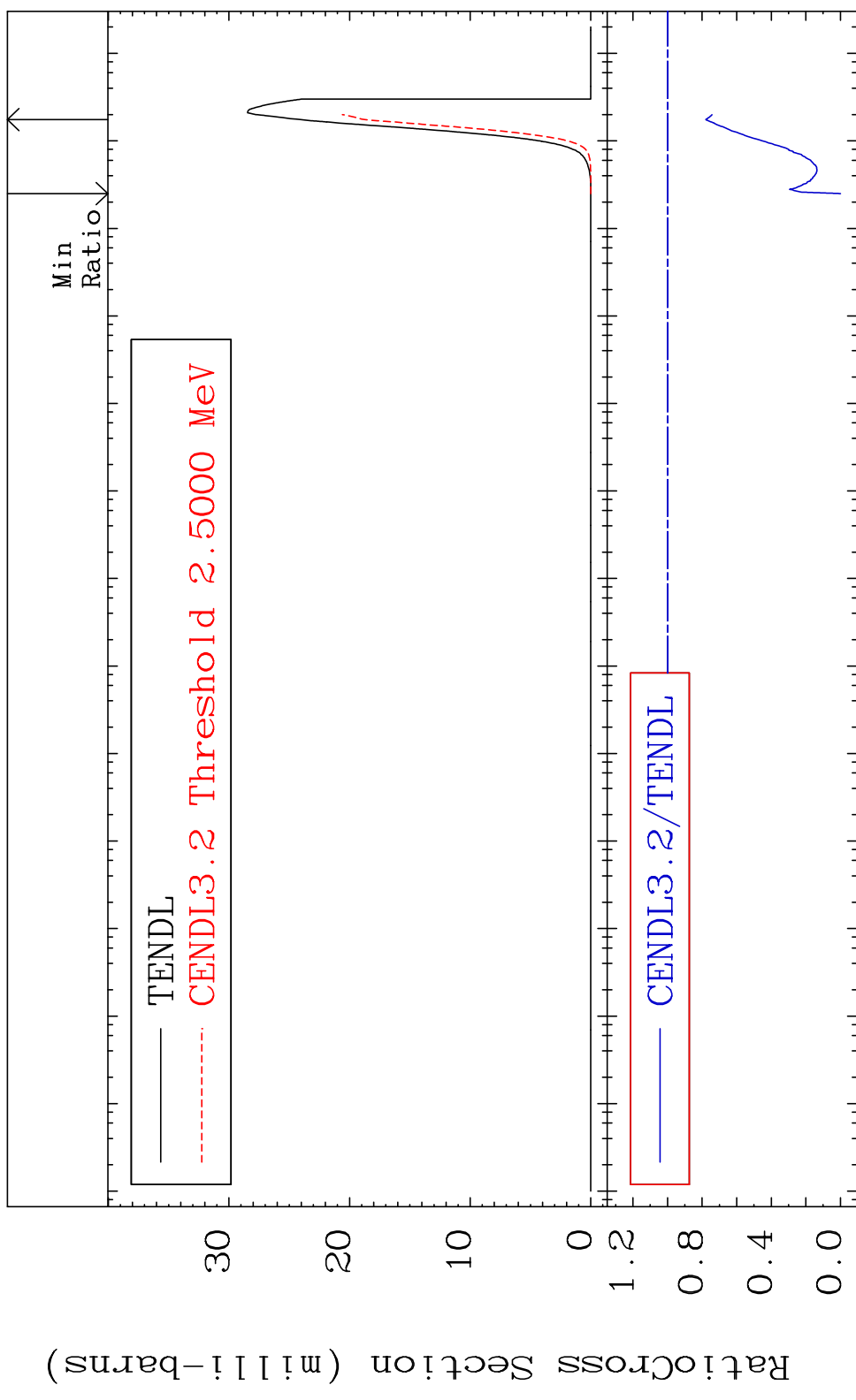
MAT 5325

(n, p)

53-I -127

Cross Section

-100.0 To -22.12%



12

Incident Energy (eV)

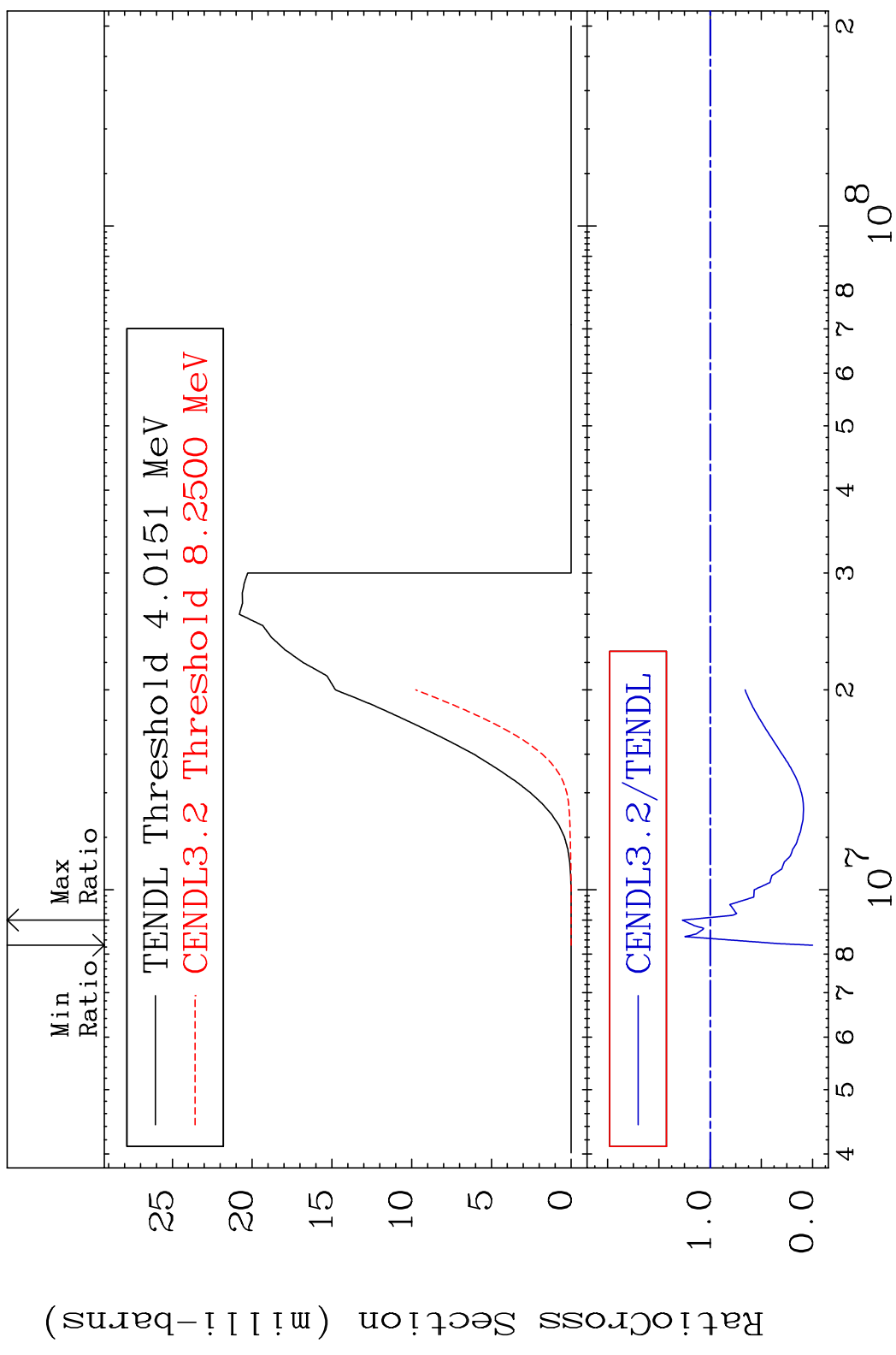
53-I -127

MAT 5325

(n,d)

53-I -127

Cross Section -100.0 To 27.11 %



13

Incident Energy (eV)

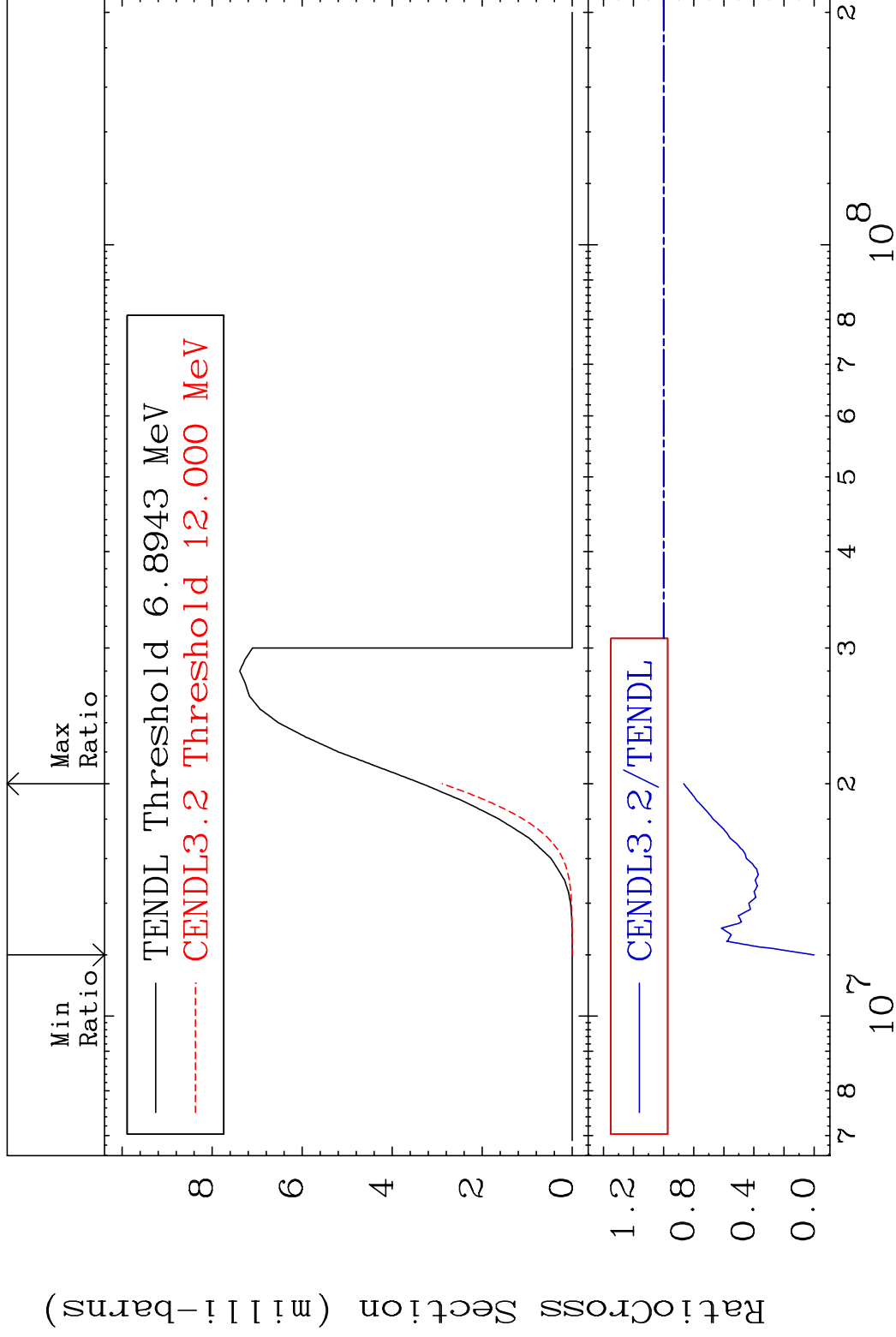
53-I -127

MAT 5325

(n, t)

53-I -127

Cross Section -100.0 To -13.32%



14

Incident Energy (eV)

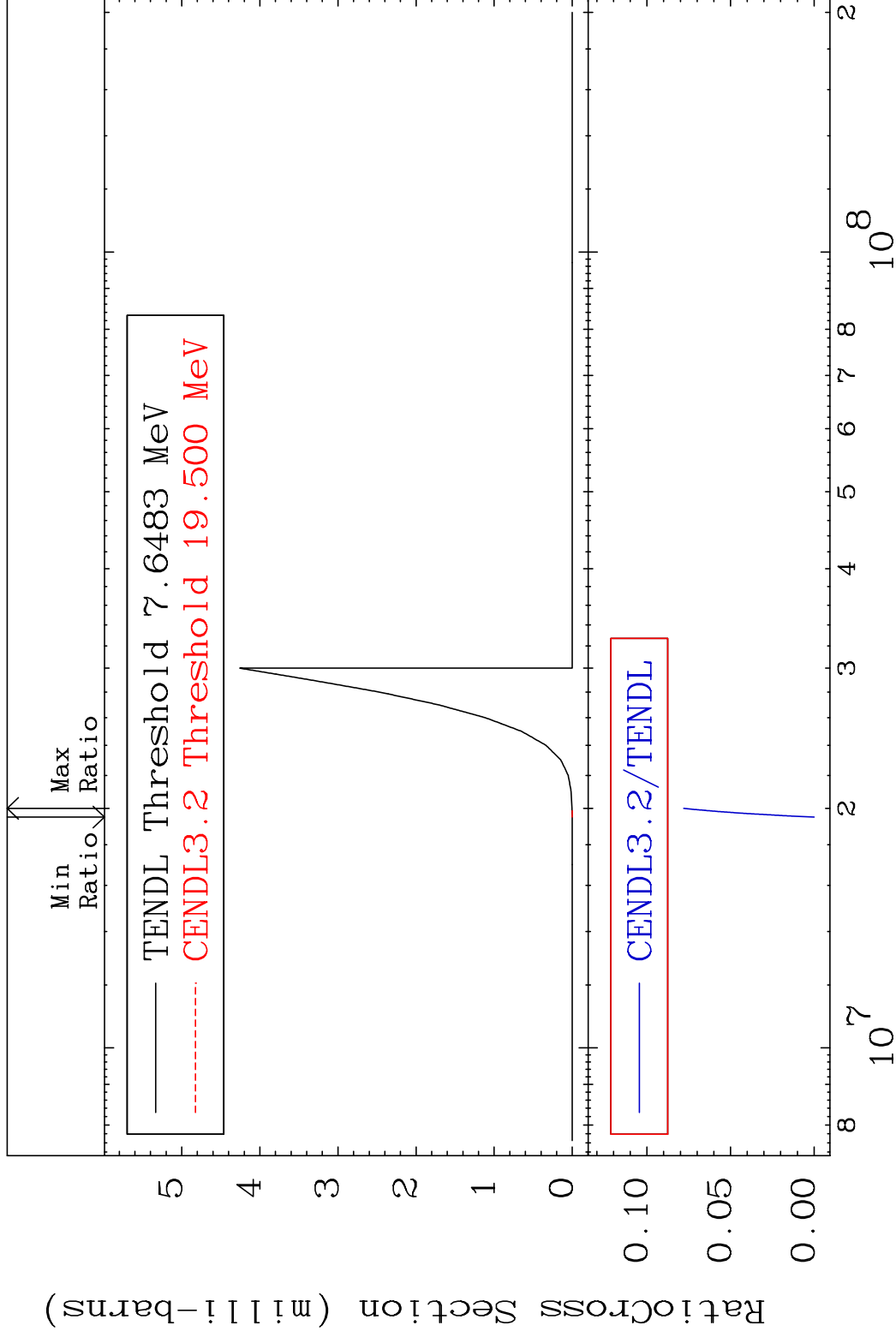
53-I -127

MAT 5325

(n, He-3)

53-I -127

Cross Section -100.0 To -92.20%



15

Incident Energy (eV)

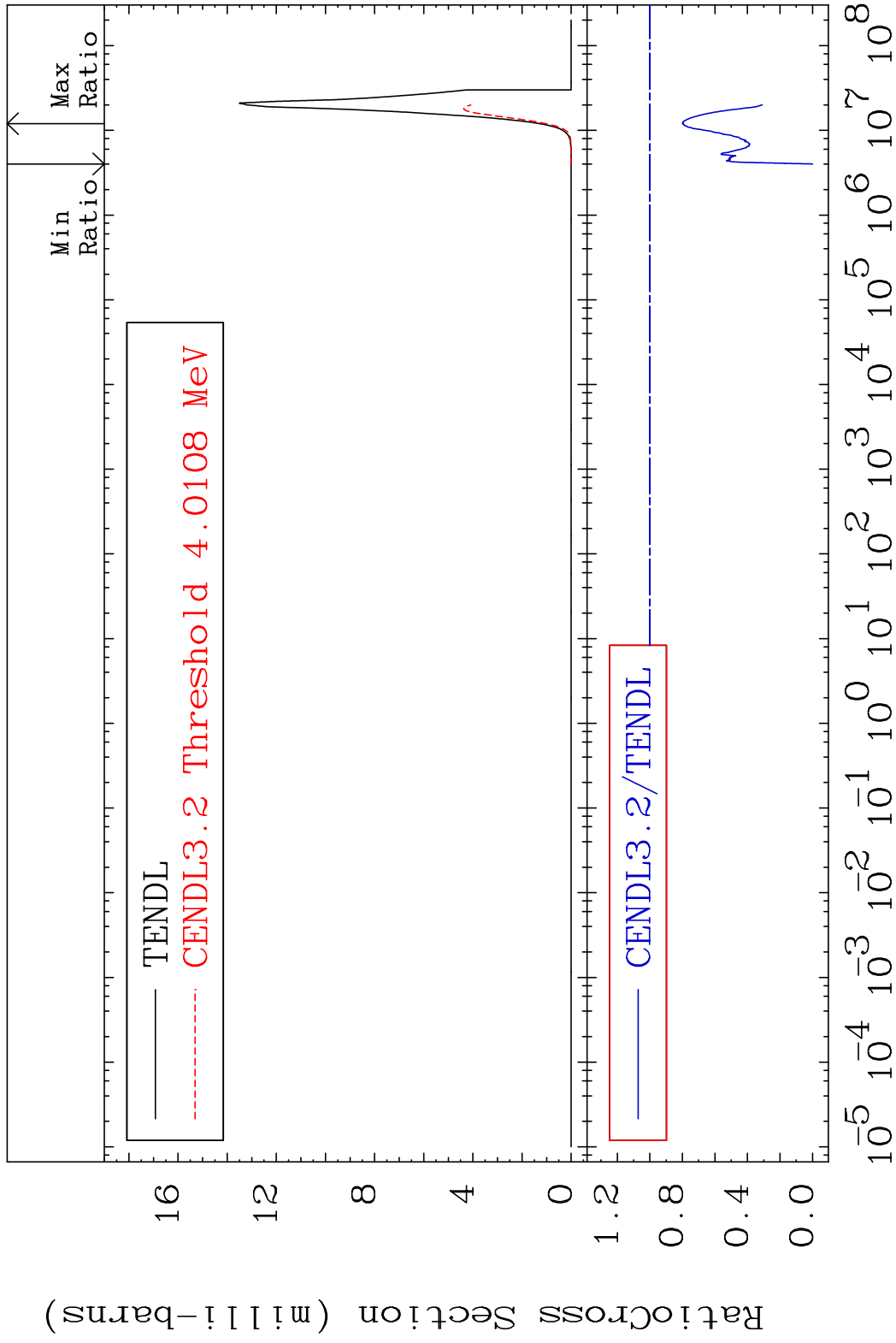
53-I -127

MAT 5325

(n, α)

53-I -127

Cross Section -100.0 To -19.98%



16

Incident Energy (eV)

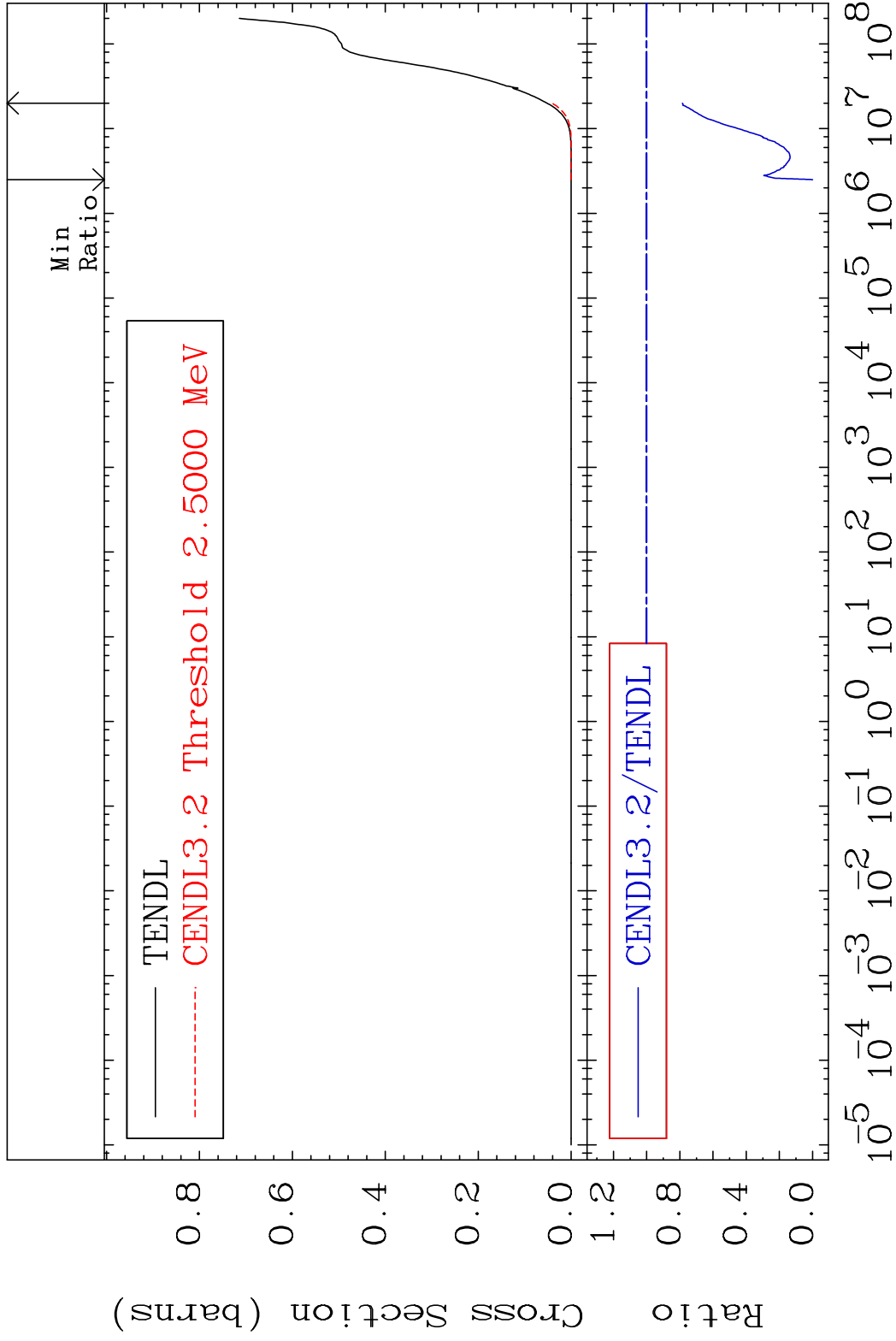
53-I -127

MAT 5325

Hydrogen Production

53-I -127

Cross Section -100.0 To -21.52%



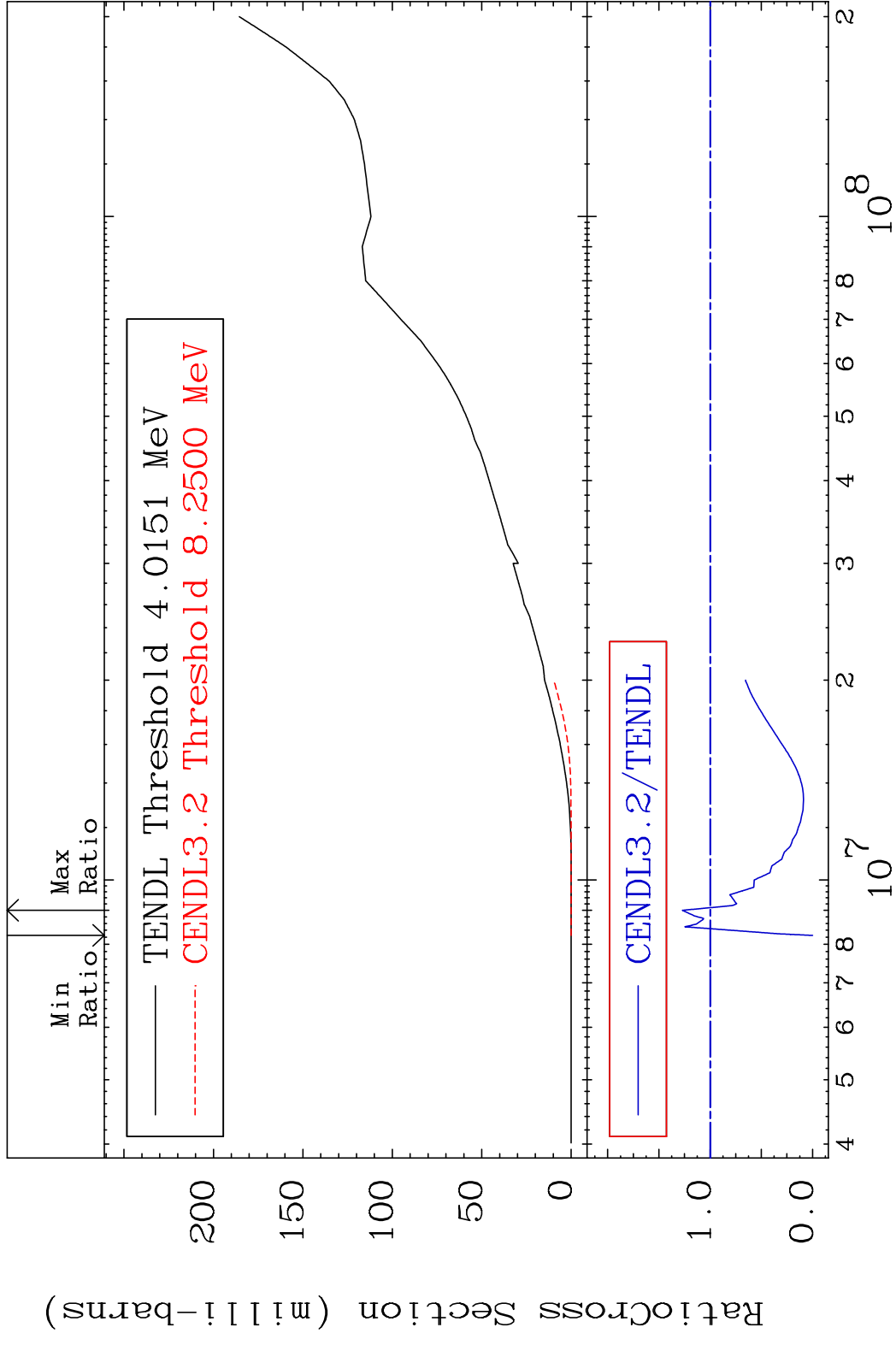
17

Incident Energy (eV)

53-I -127

MAT 5325

Deuterium Production 53-I -127
Cross Section -100.0 To 27.11 %



18

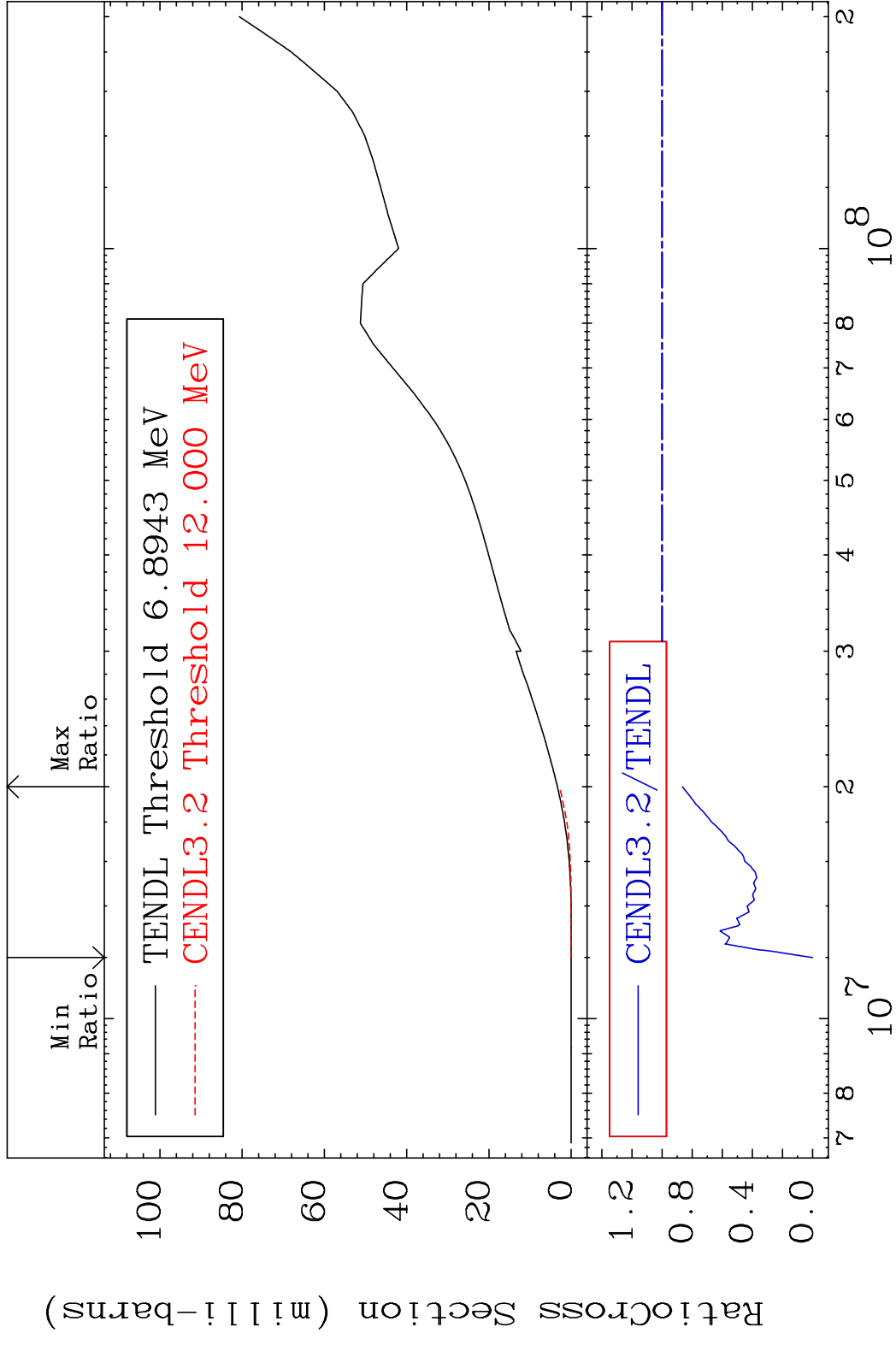
Incident Energy (eV)

53-I -127

MAT 5325

Tritium Production 53-I -127

Cross Section -100.0 To -13.49%

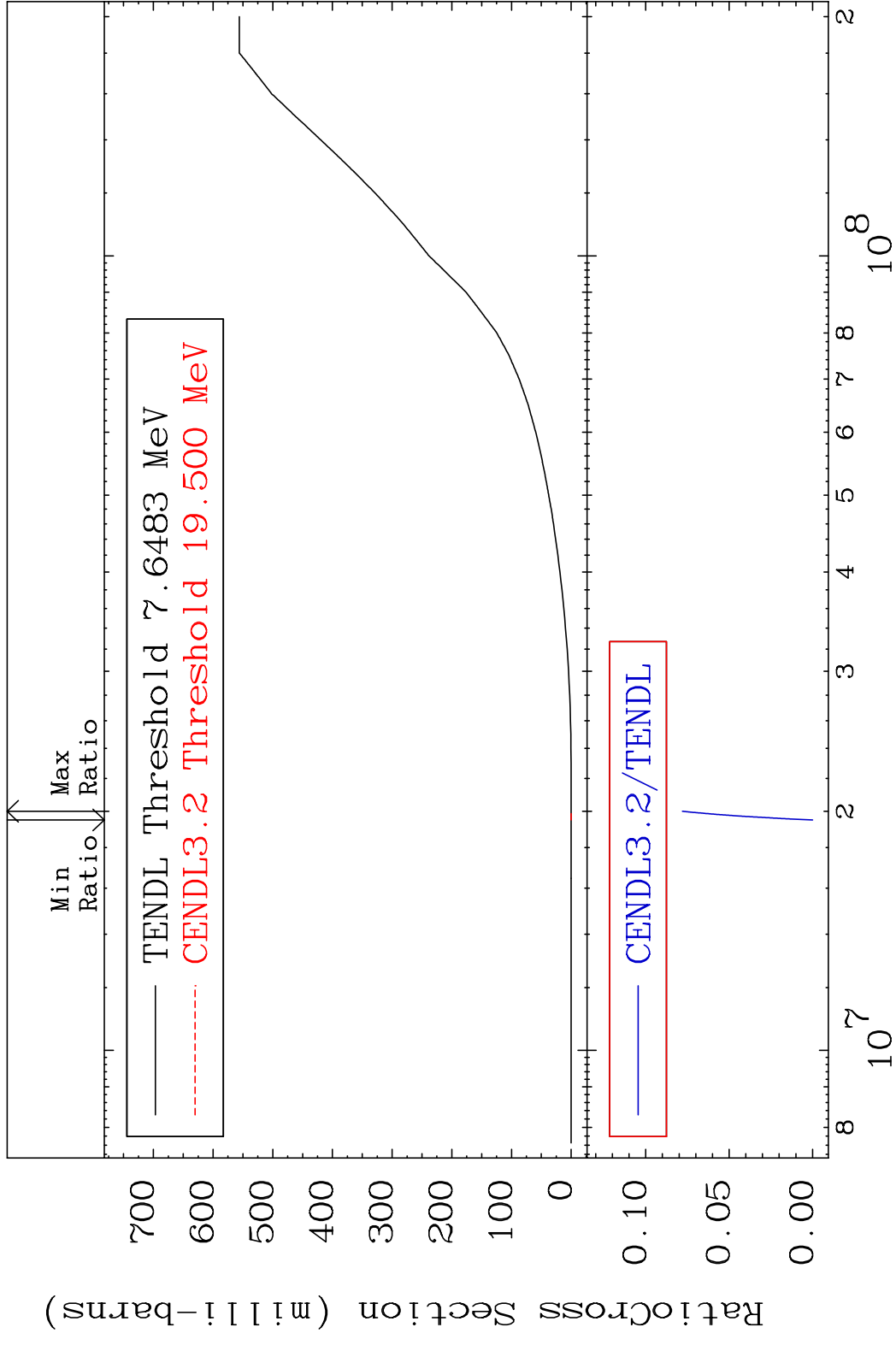


MAT 5325

He-3 Production

53-I -127

Cross Section -100.0 To -92.20%



20

Incident Energy (eV)

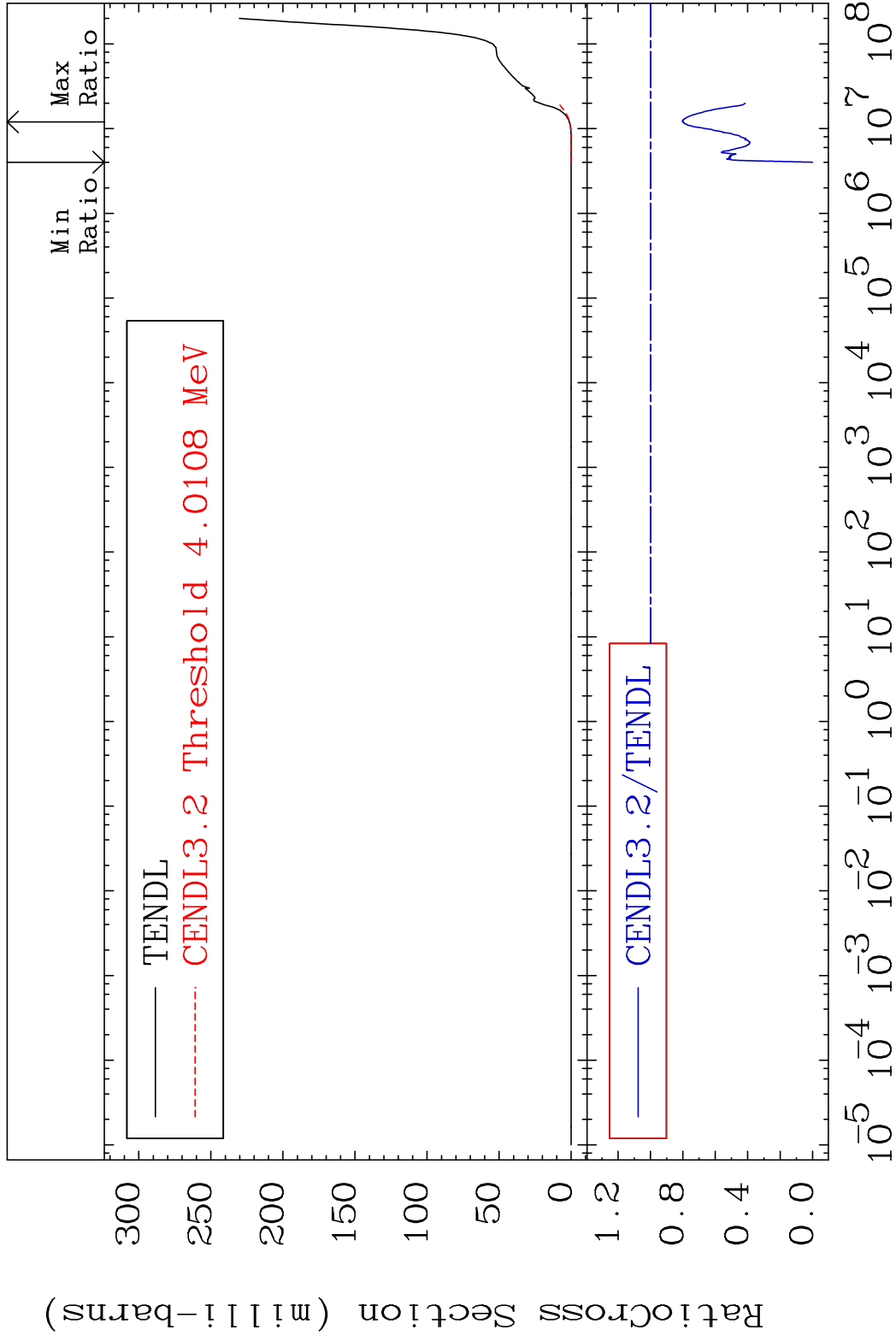
53-I -127

MAT 5325

He-4 Production

53-I -127

Cross Section -100.0 To -19.69%

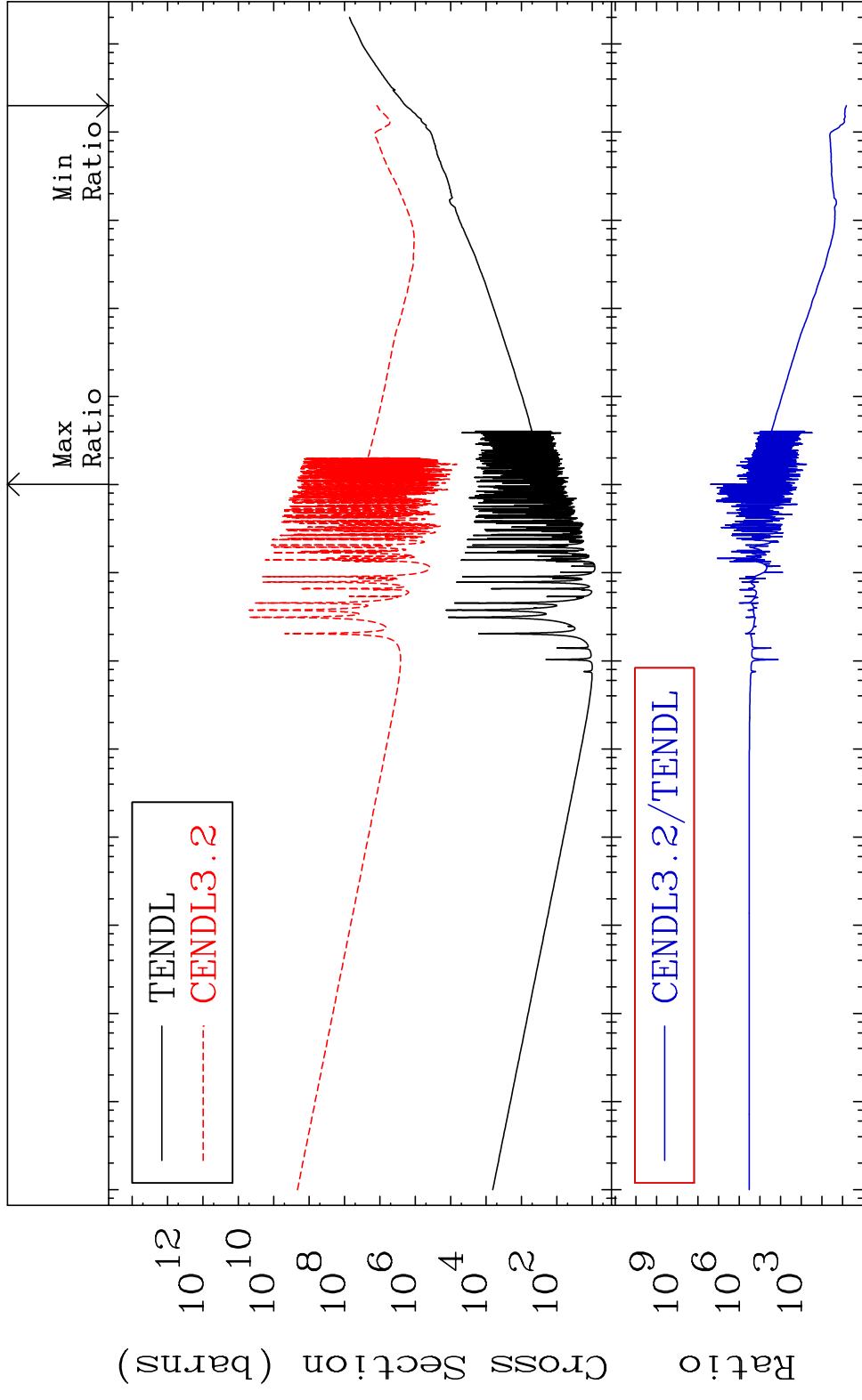


21

Incident Energy (eV)

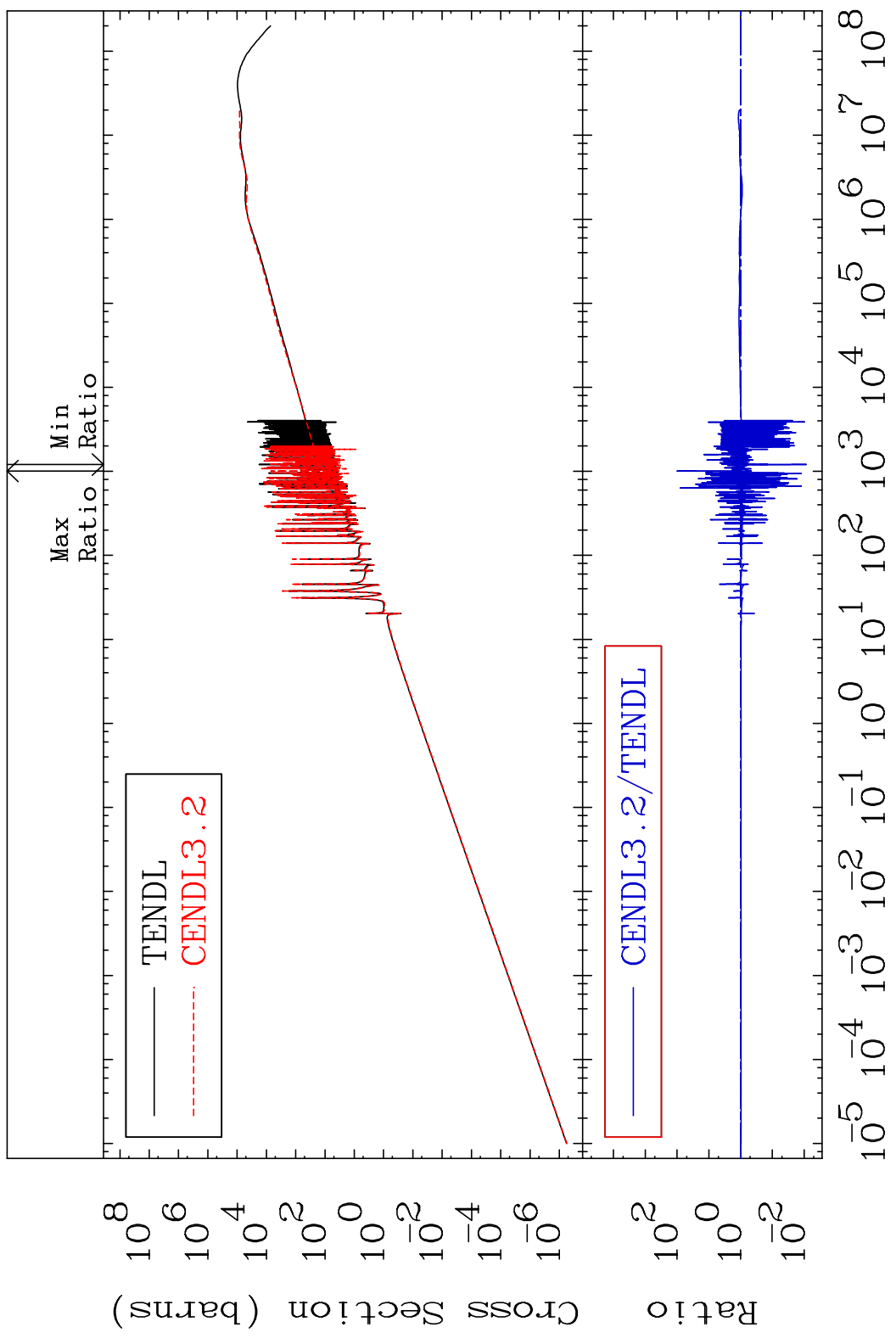
53-I -127

MAT 5325 Kerma total (eV-barns) 53-I -127
 Cross Section 551.5 To 9999. %

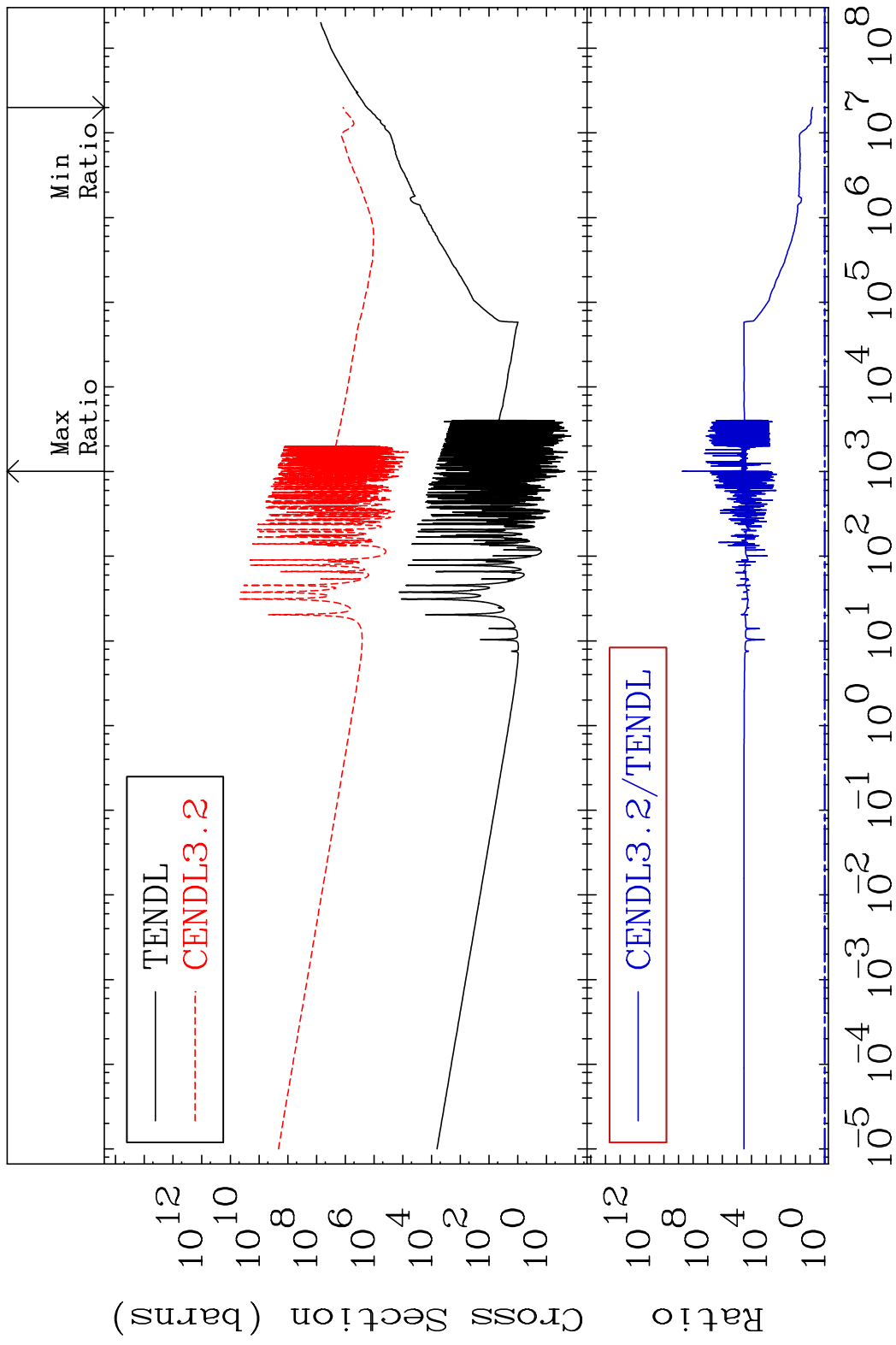


MAT 5325

Kerma elastic 53-I -127
Cross Section -99.15 To 9800. %

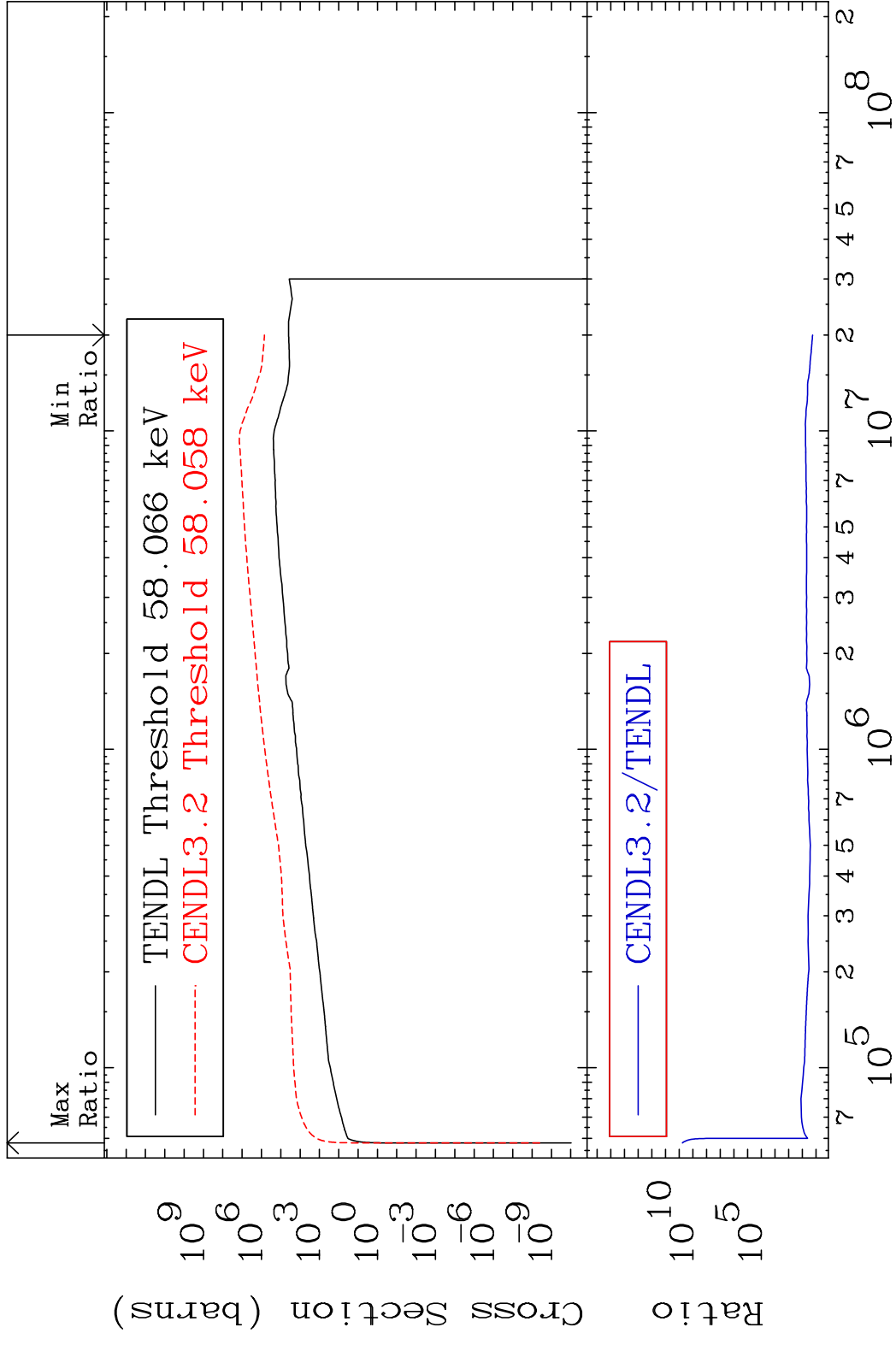


MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
 Cross Section 574.1 To 9999. %

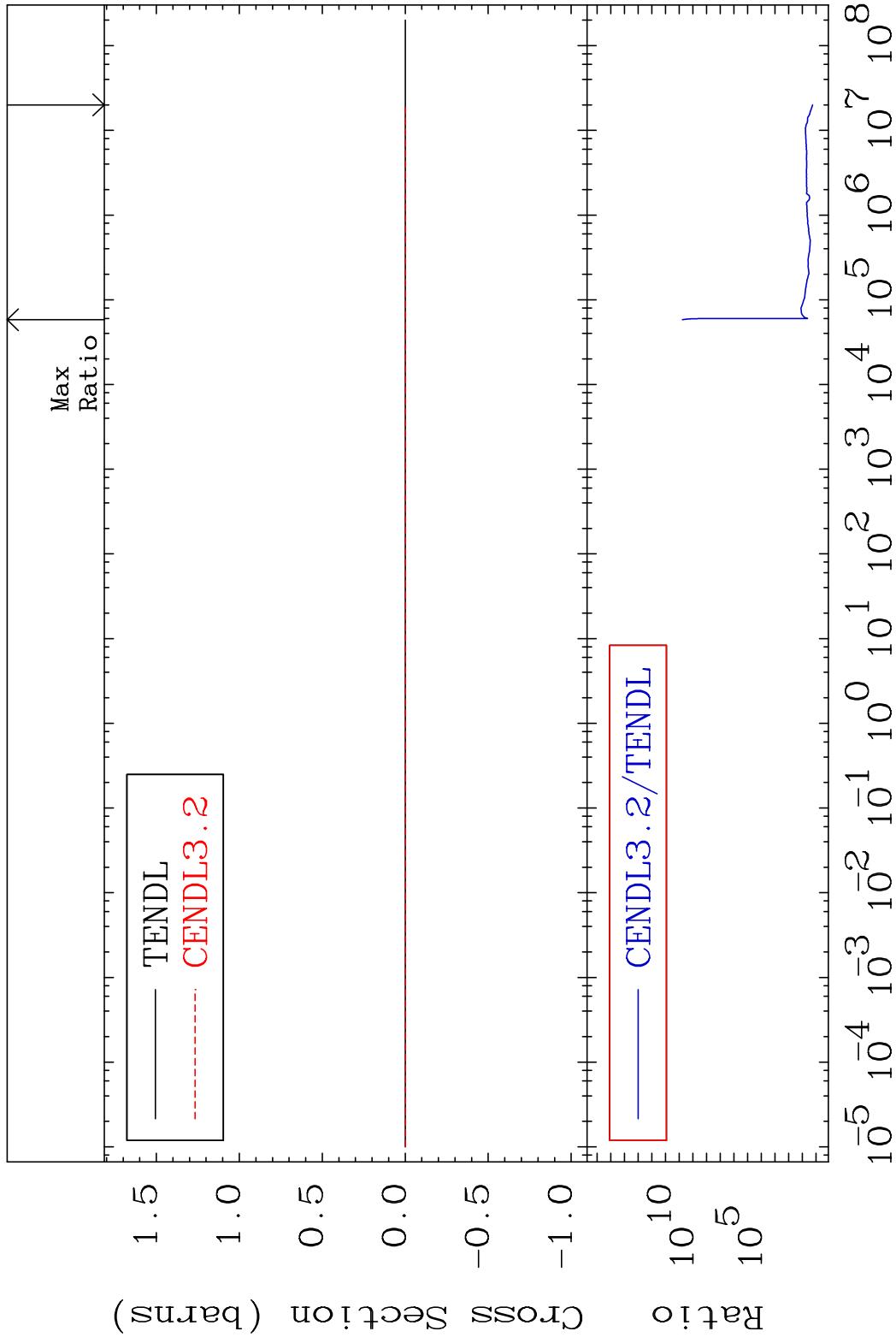


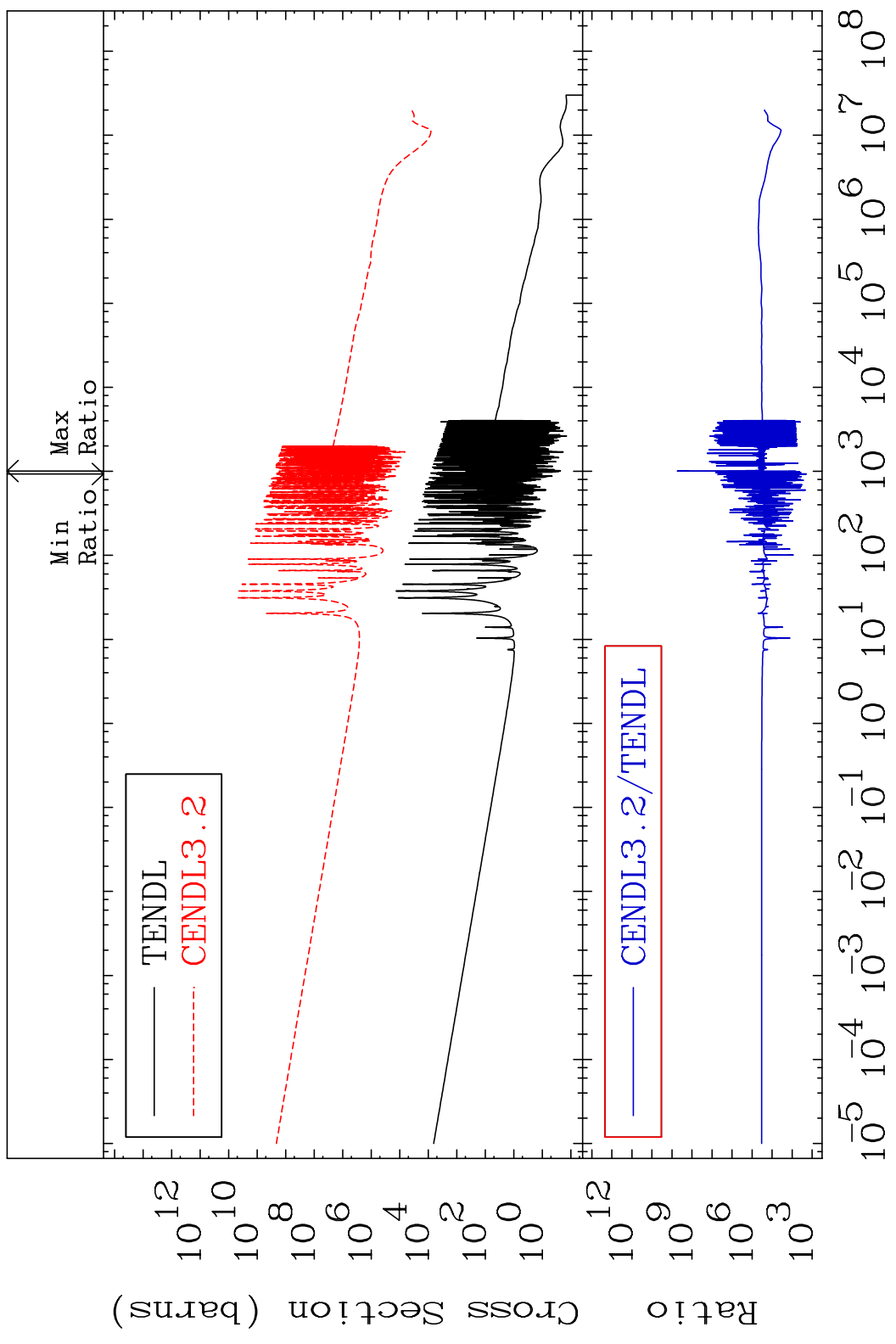
24 Incident Energy (eV) 53-I -127

MAT 5325 Kerma inelastic (mt51-91) 53-I -127
 Cross Section 1664. To 9999. %

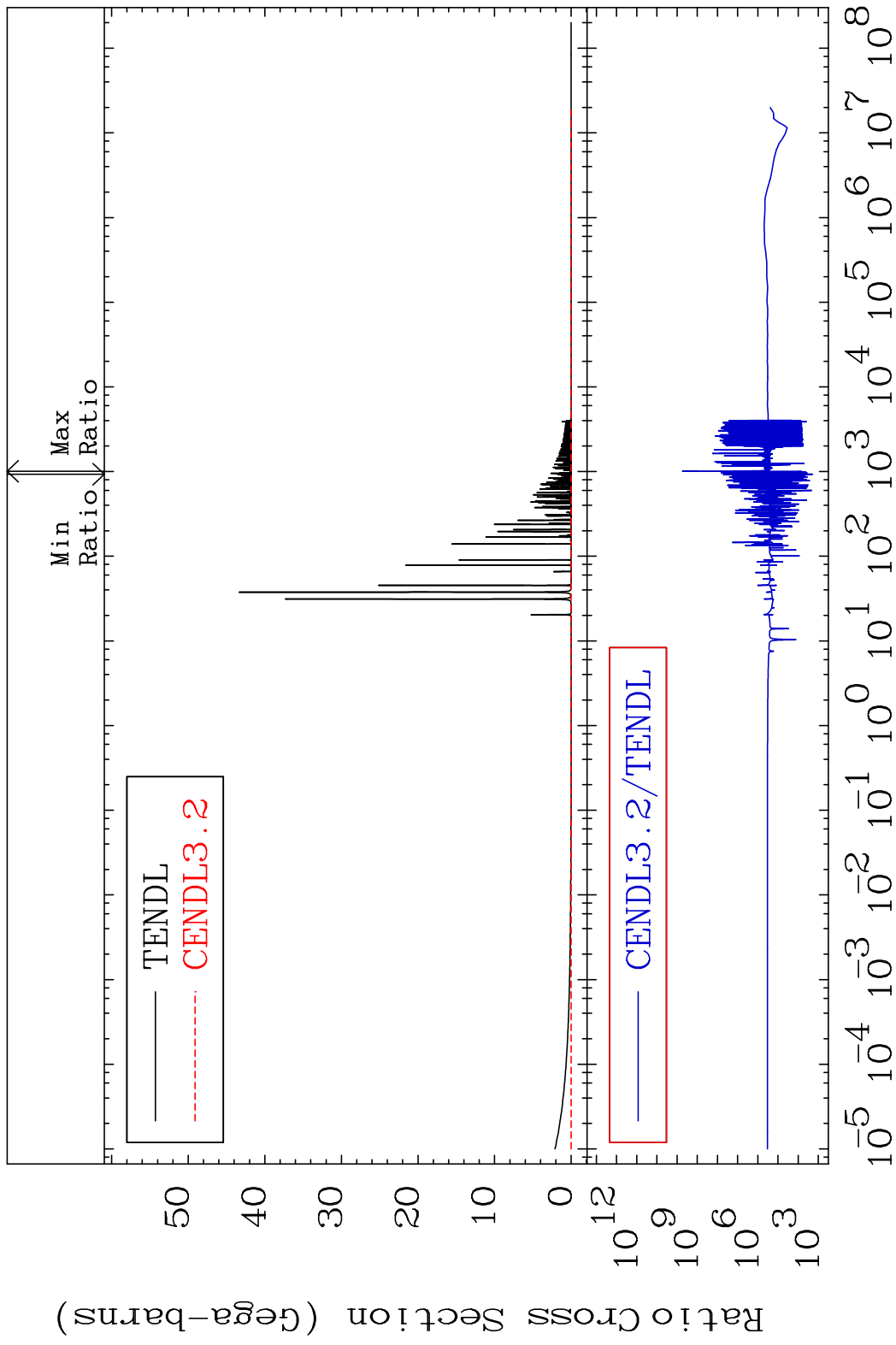


MAT 5325 Kerma fission (mt18 or mt19-20-21-38)53-I -127
 Cross Section 1664. To 9999. %



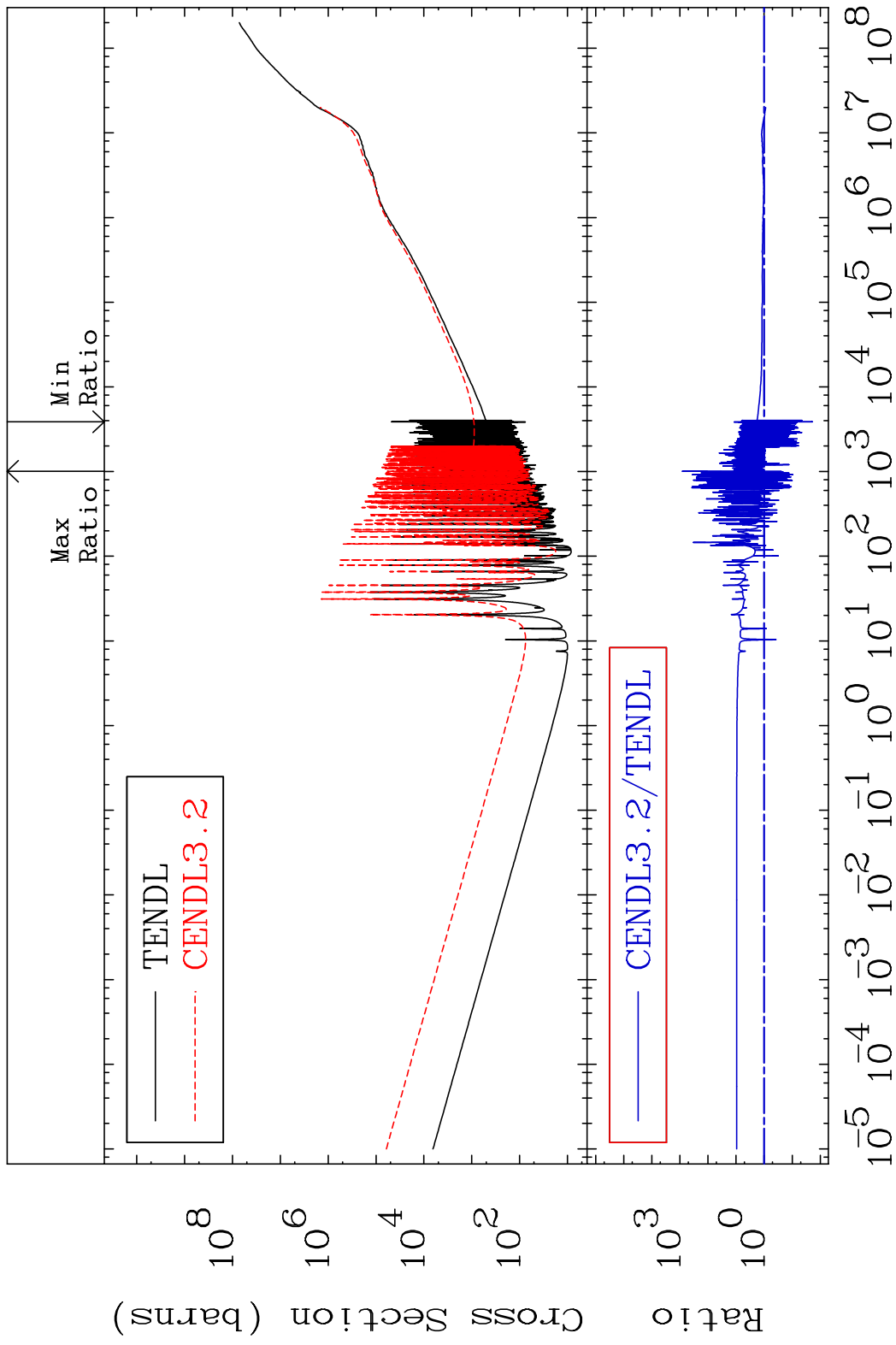


MAT 5325 Total photon (eV-barns) 53-I -127
 Cross Section 9999. To 9999. %

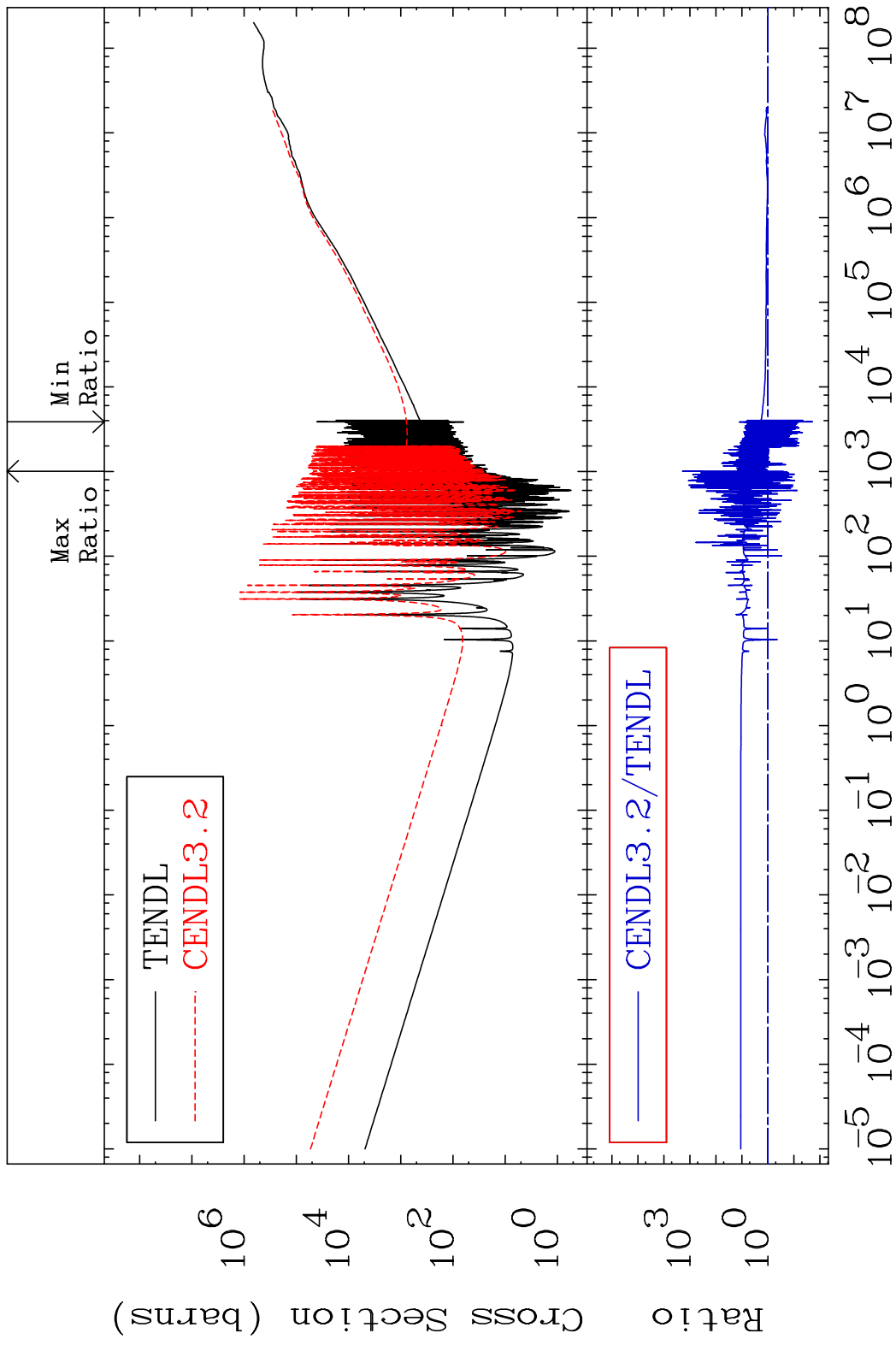


28 Incident Energy (eV) 53-I -127

MAT 5325 Total kinematic kerma (high limit) 53-I -127
 Cross Section -98.12 To 9999. %



MAT 5325 Dpa total (eV-barns) 53-I -127
Cross Section -98.07 To 9999. %



30 Incident Energy (eV) 53-I -127

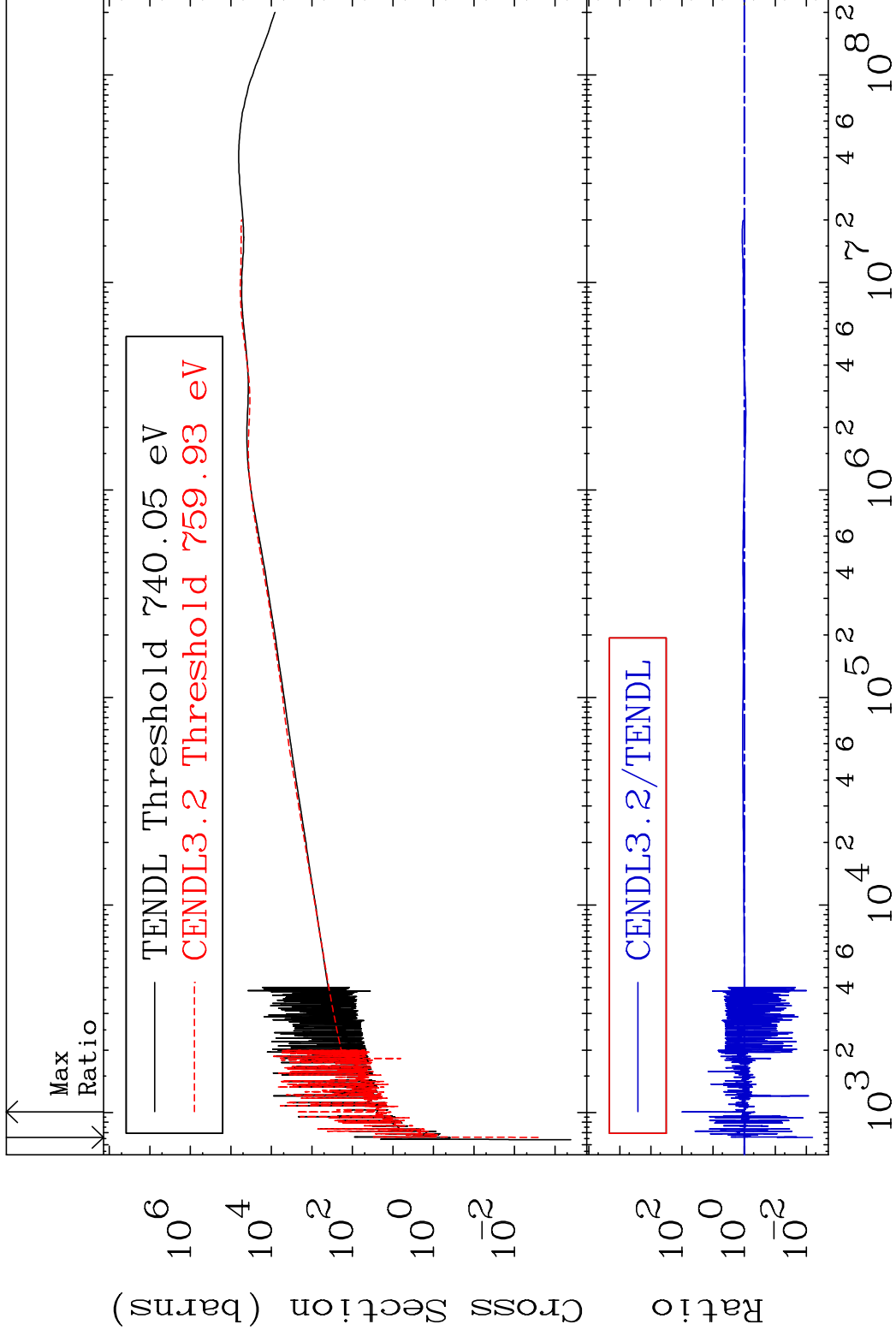
MAT 5325

Dpa elastic (mt2)

53-I -127

Cross Section

-99.37 To 9819. %

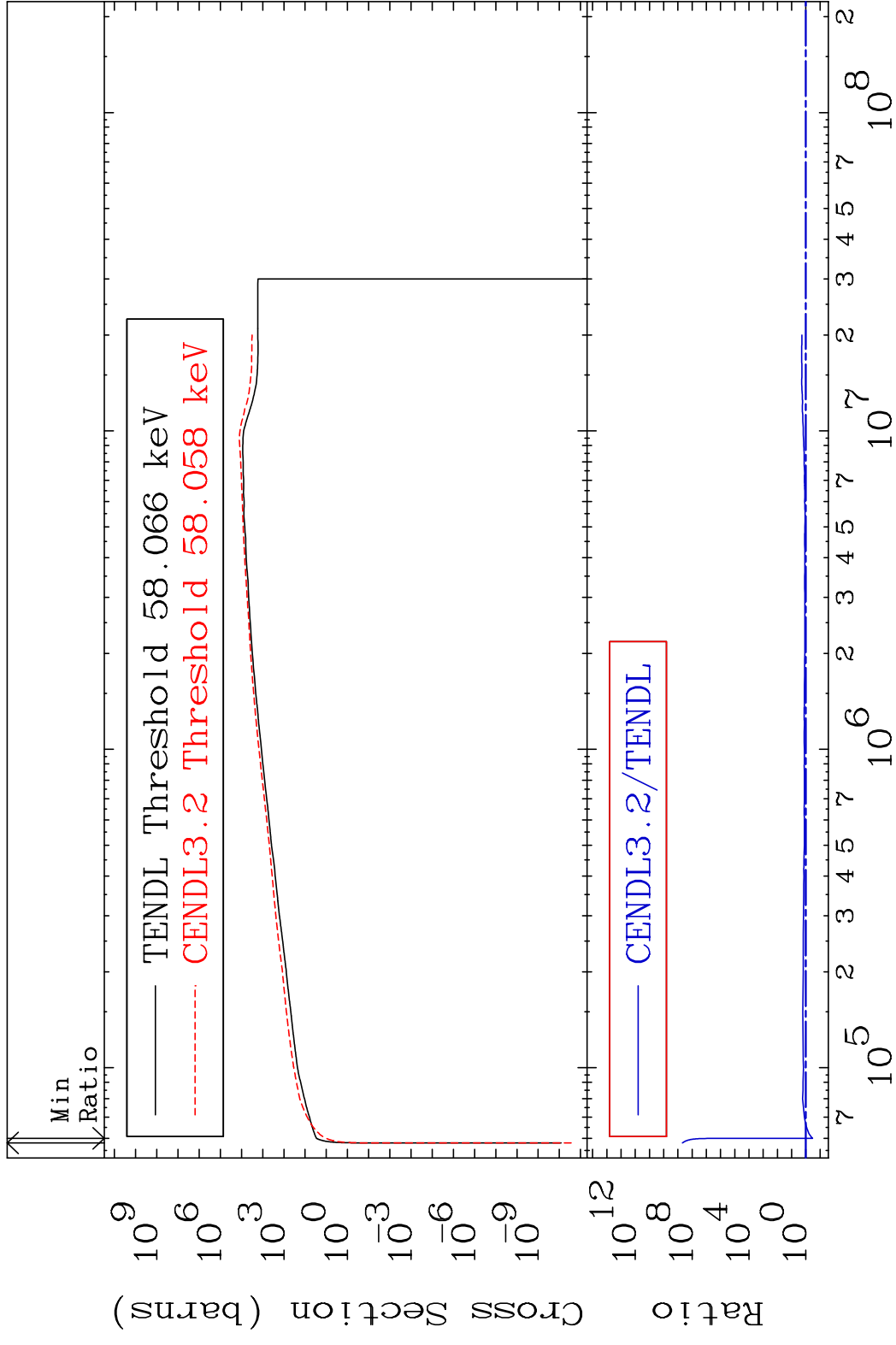


31

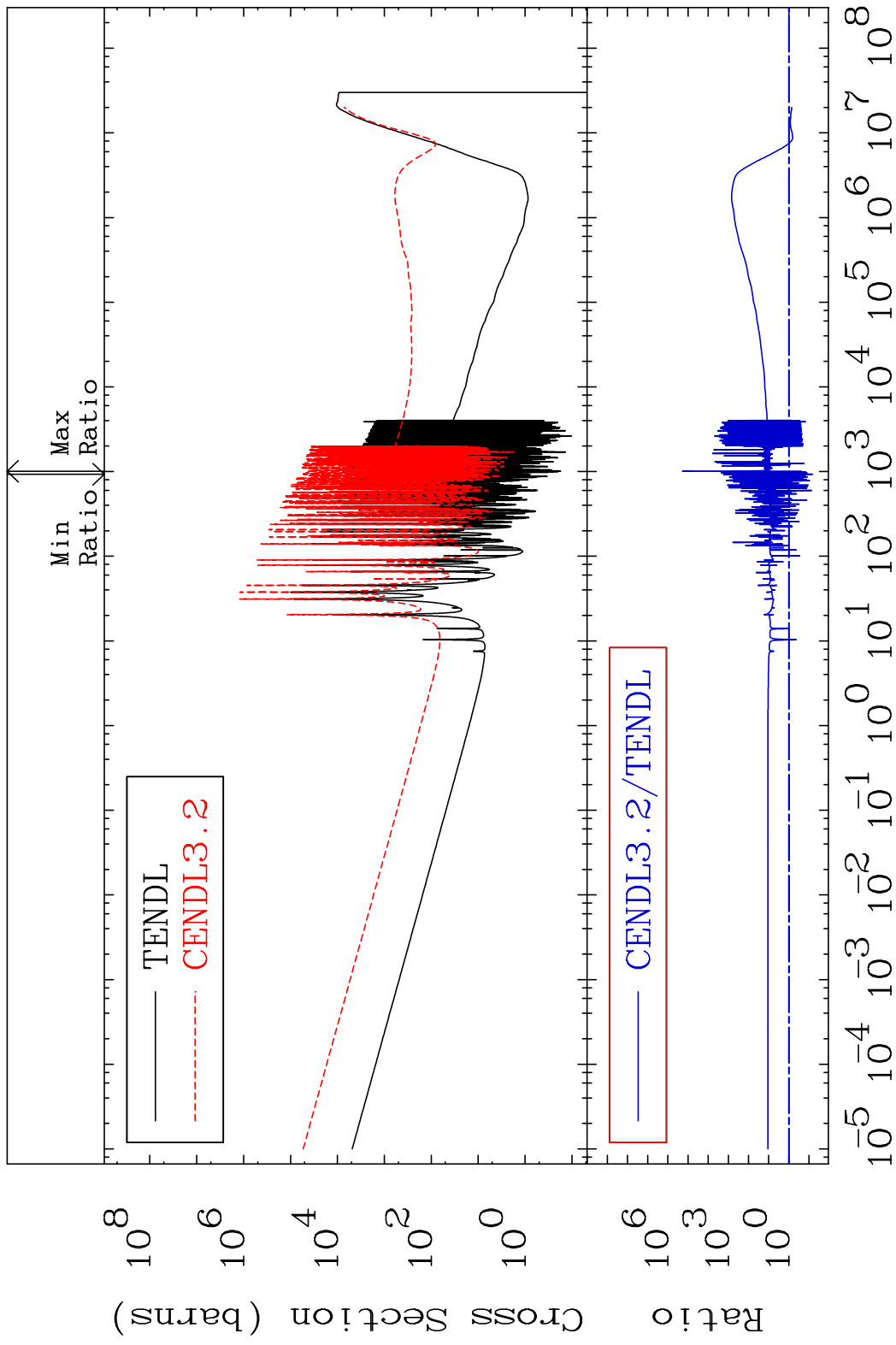
Incident Energy (eV)

53-I -127

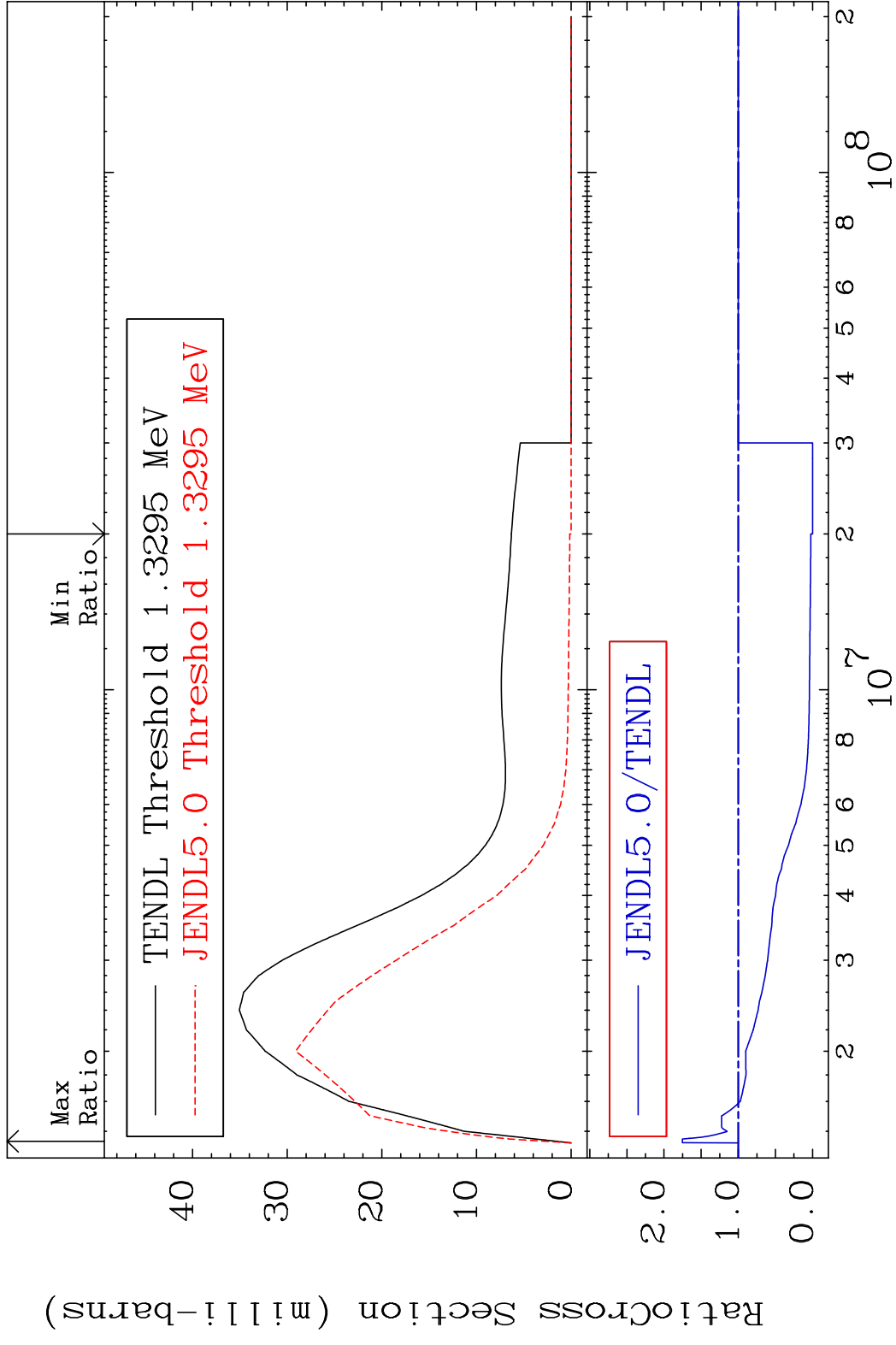
MAT 5325 Dpa inelastic (mt51-91) 53-I -127
 Cross Section -66.12 To 9999. %



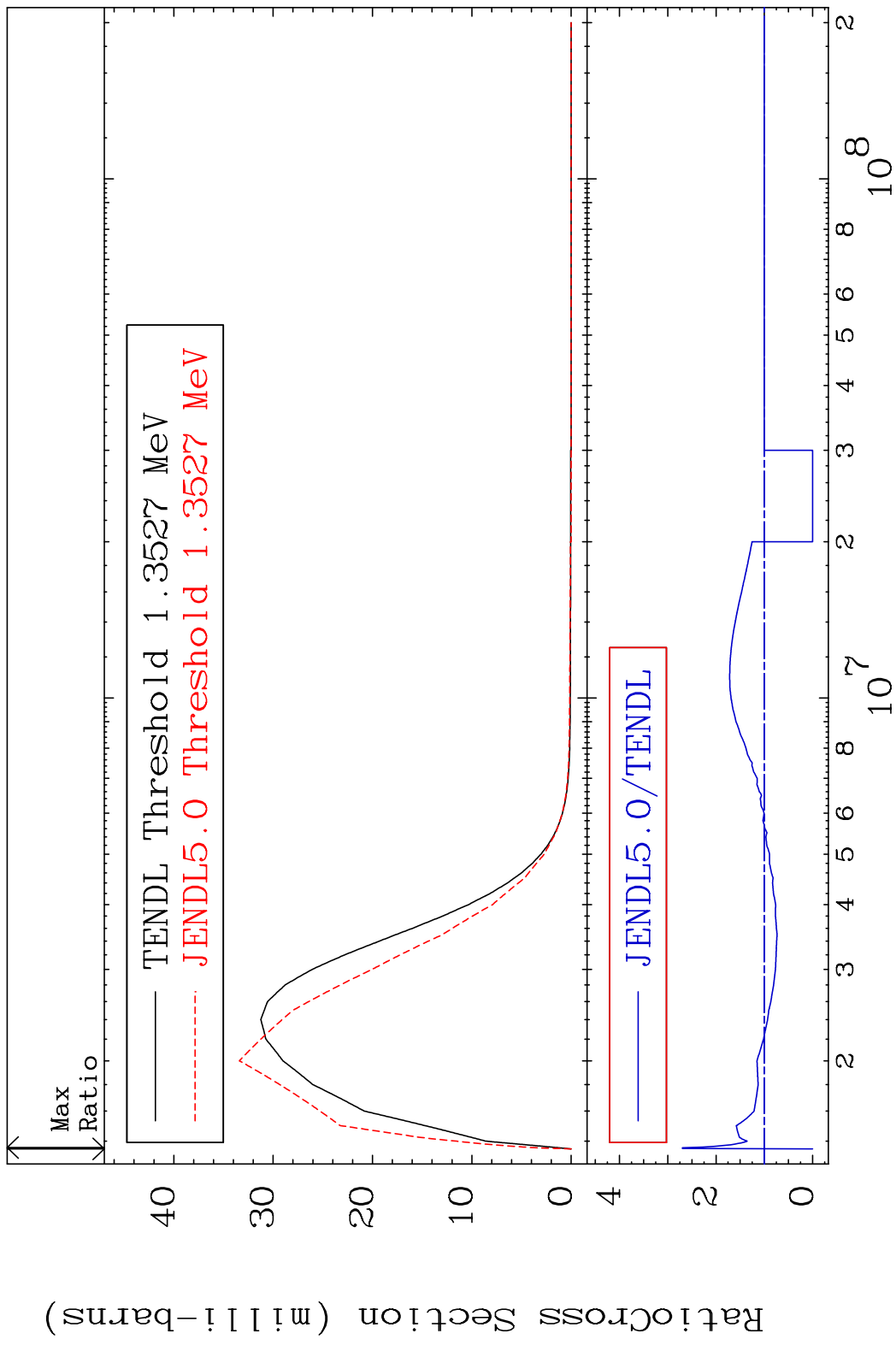
MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
 Cross Section -93.30 To 9999. %



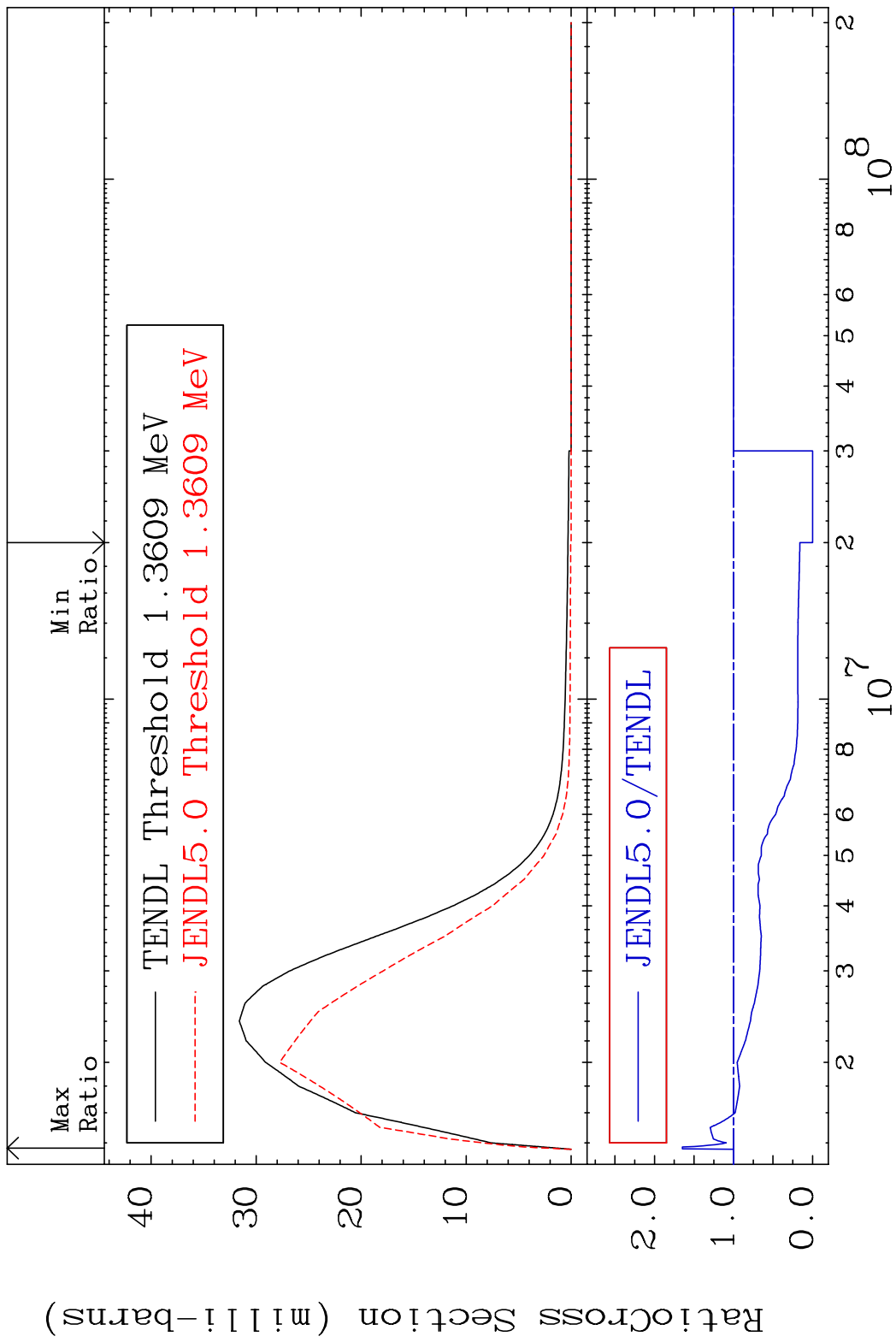
MAT 5325 MT= 74 (n, n') Level 53-I -127
 Cross Section -100.0 To 75.33 %



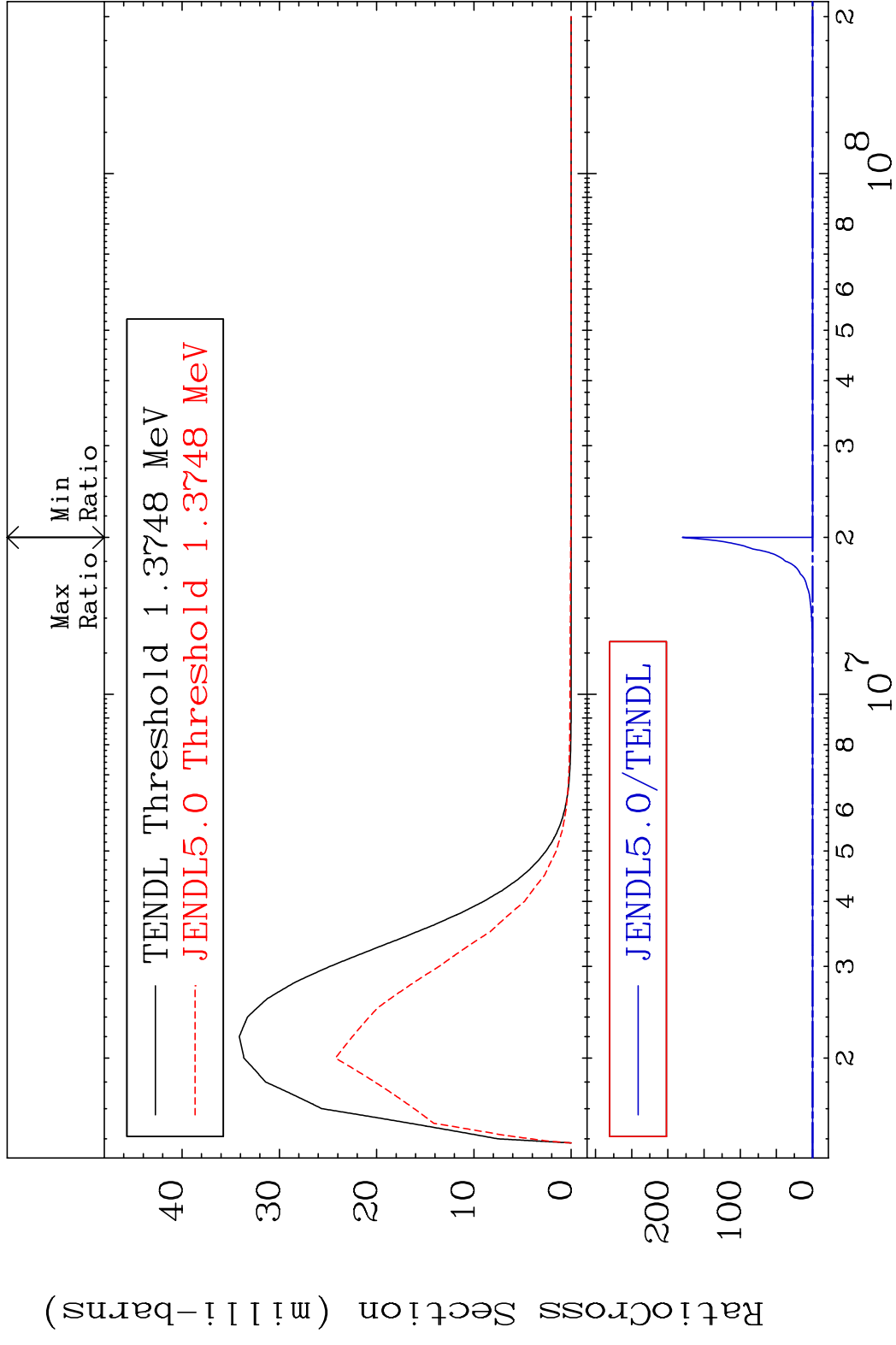
MAT 5325 MT= 75 (n,n') Level 53-I -127
 Cross Section -100.0 To 169.8 %



MAT 5325 MT= 76 (n,n') Level 53-I -127
 Cross Section -100.0 To 64.71 %

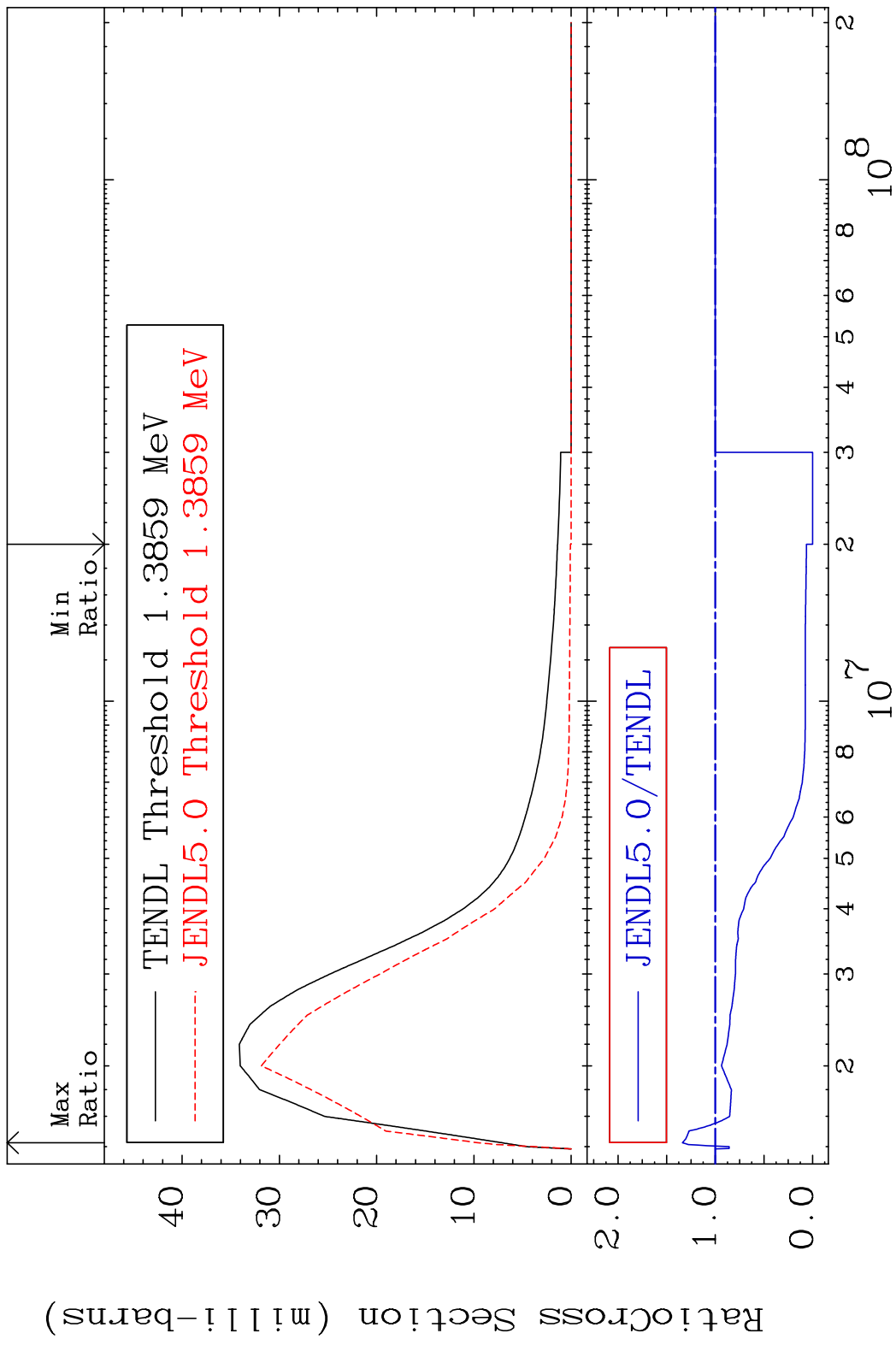


MAT 5325 MT= 77 (n,n') Level 53-I -127
 Cross Section -100.0 To 9999. %

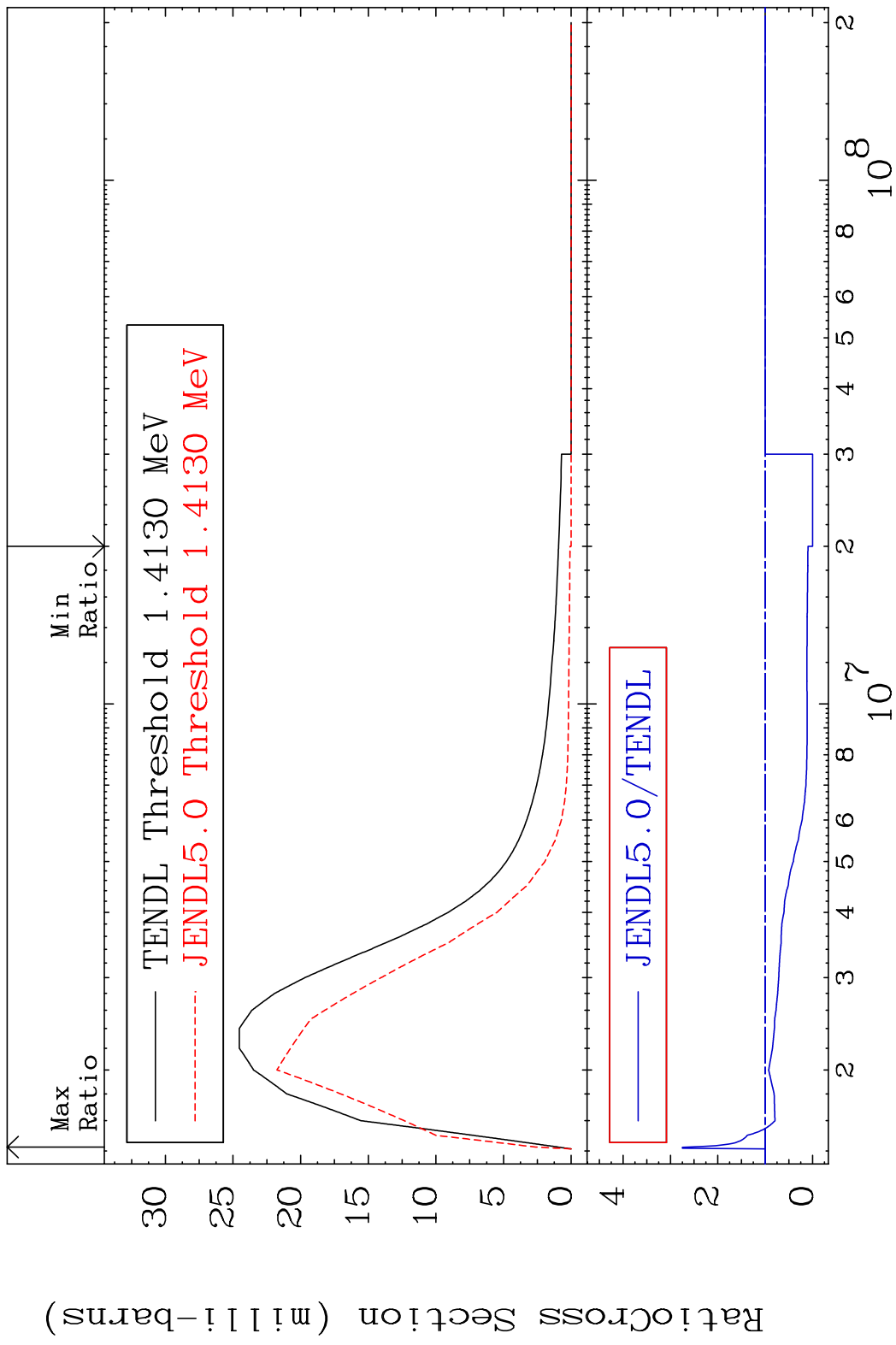


37 Incident Energy (eV) 53-I -127

MAT 5325 MT= 78 (n, n') Level 53-I -127
 Cross Section -100.0 To 33.88 %



MAT 5325 MT= 79 (n,n') Level 53-I -127
 Cross Section -100.0 To 174.8 %

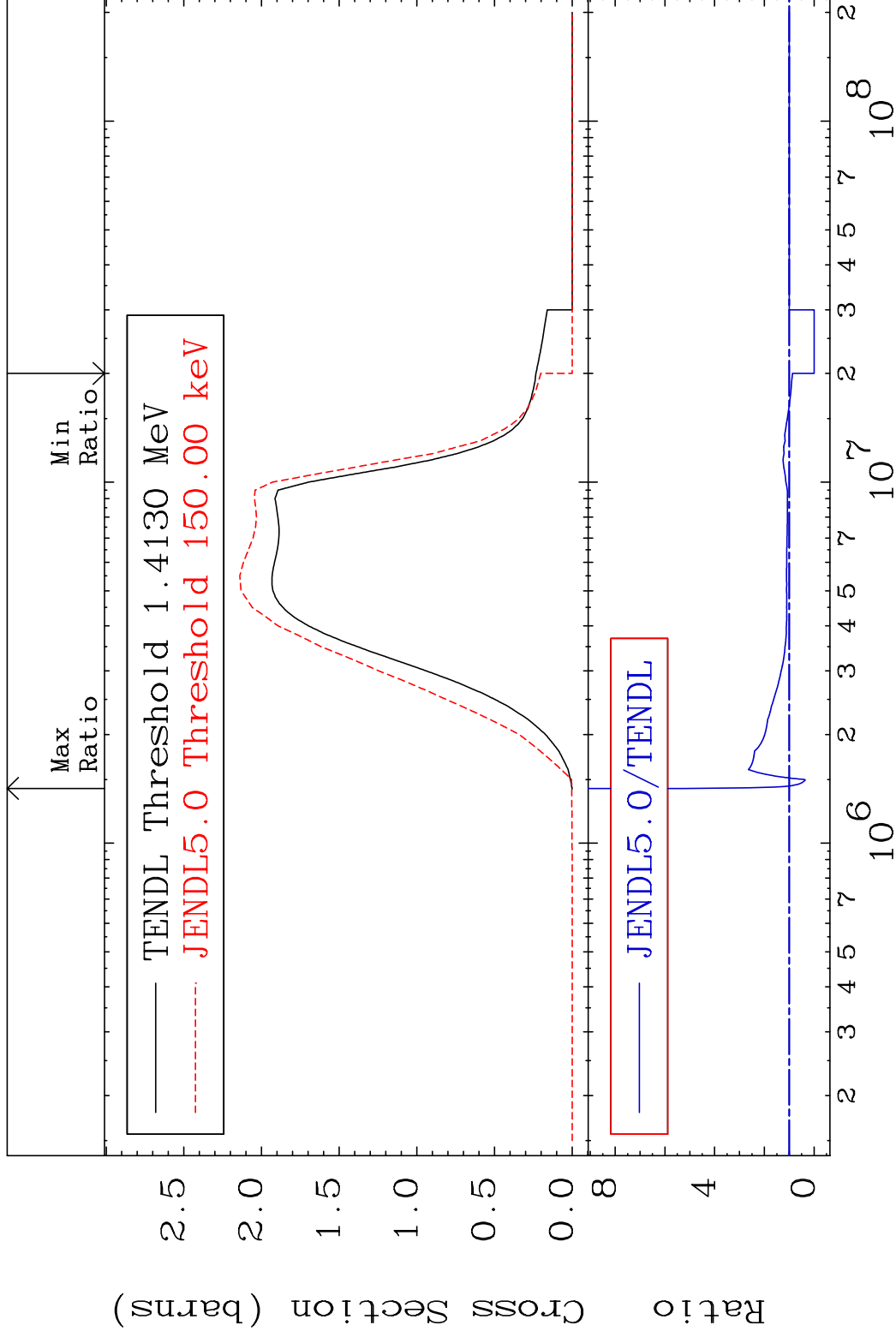


MAT 5325

(n,n') Continuum

53-I -127

Cross Section -100.0 To 424.6 %



40

Incident Energy (eV)

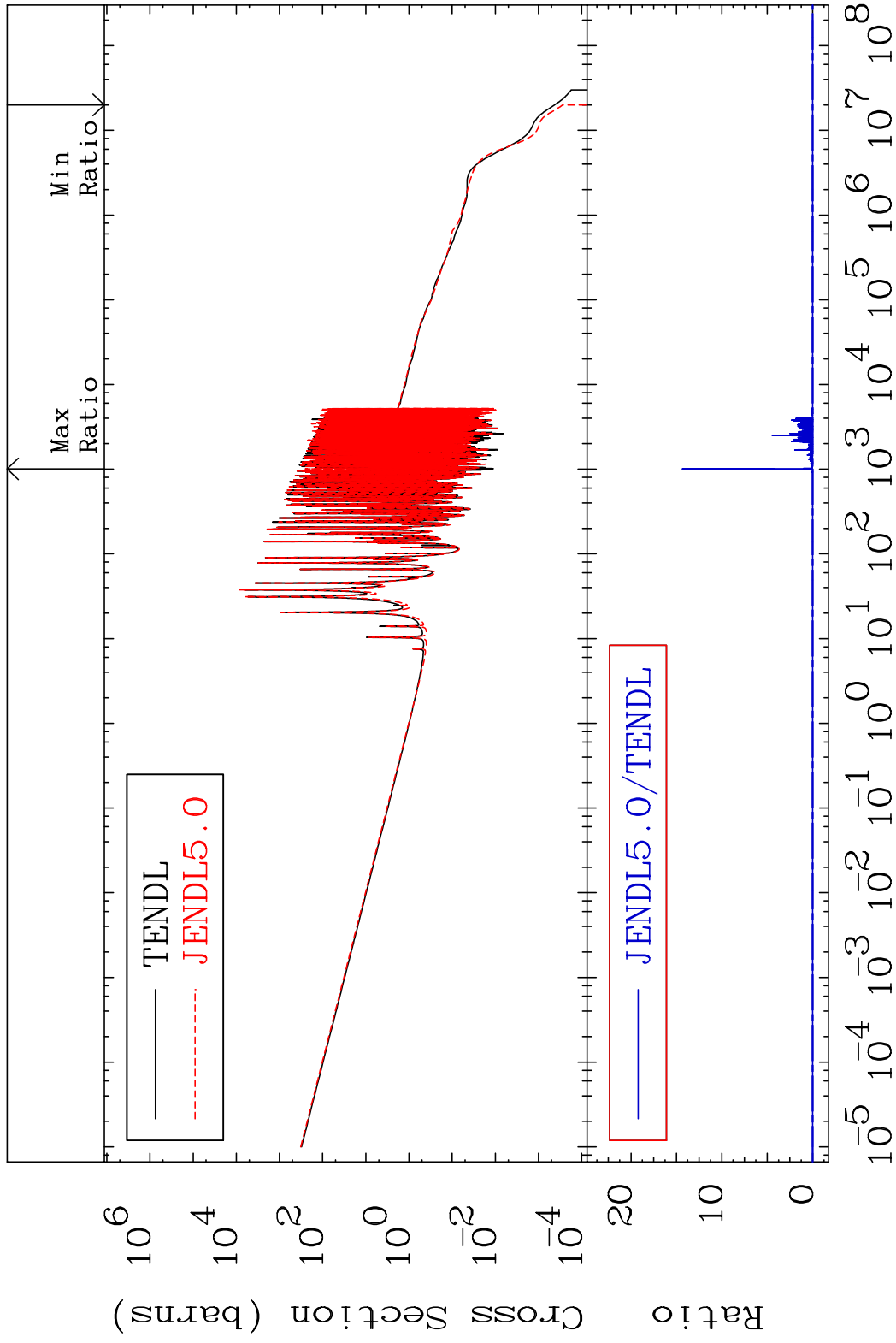
53-I -127

MAT 5325

(n, γ)

53-I -127

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

53-I -127

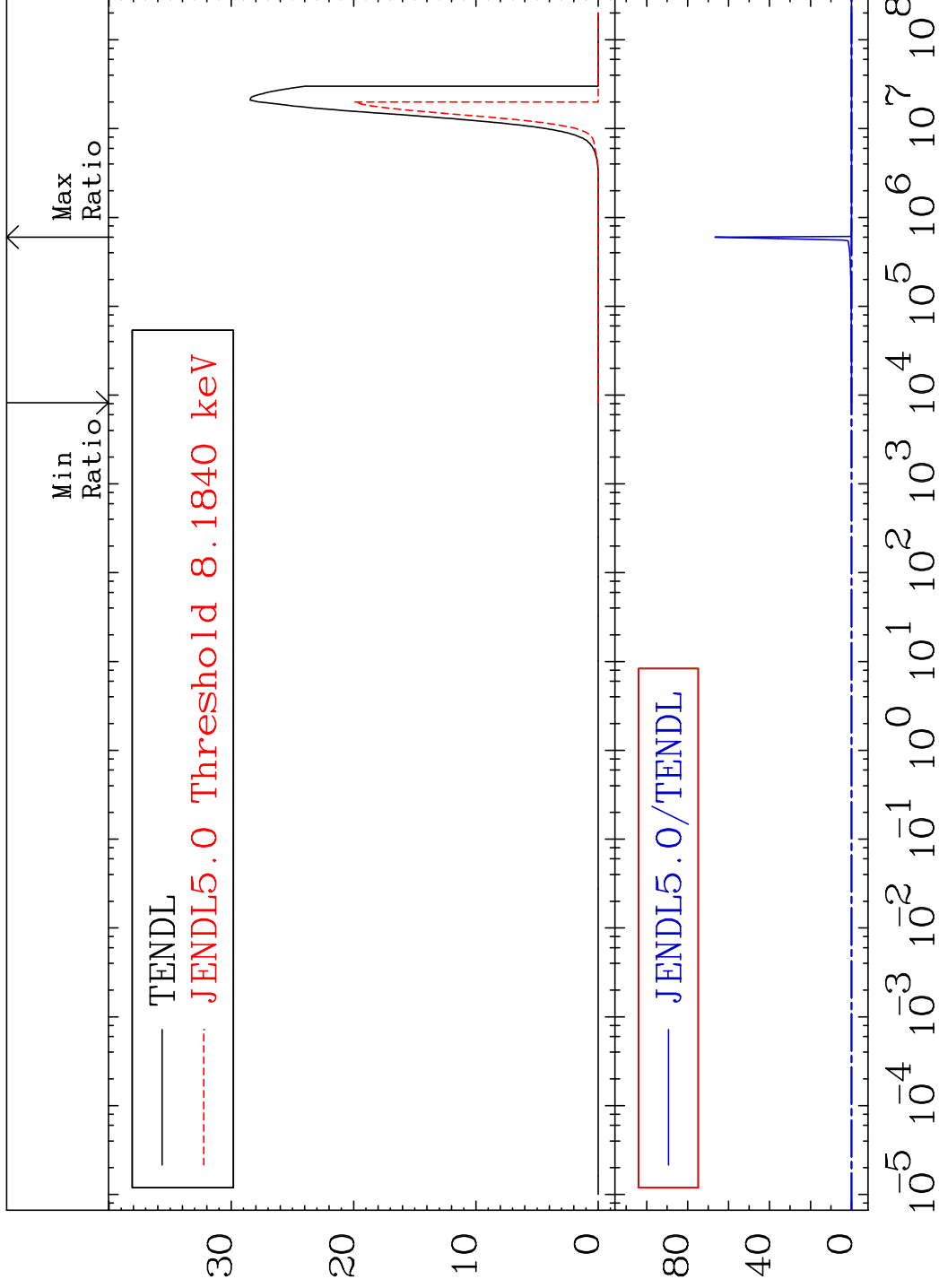
MAT 5325

(n, p)

53-I -127

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)



42

Incident Energy (eV)

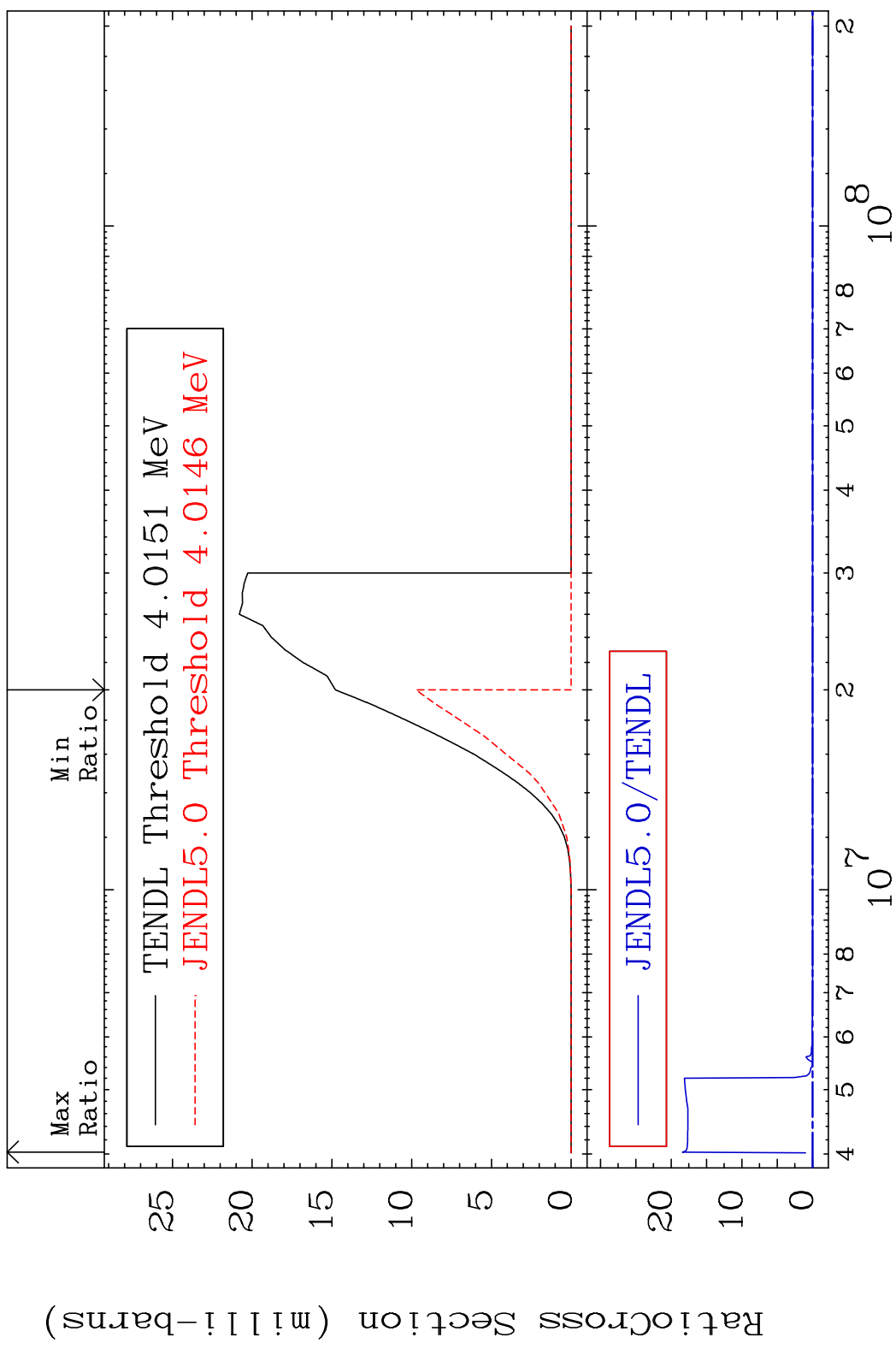
53-I -127

MAT 5325

(n,d)

53-I -127

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

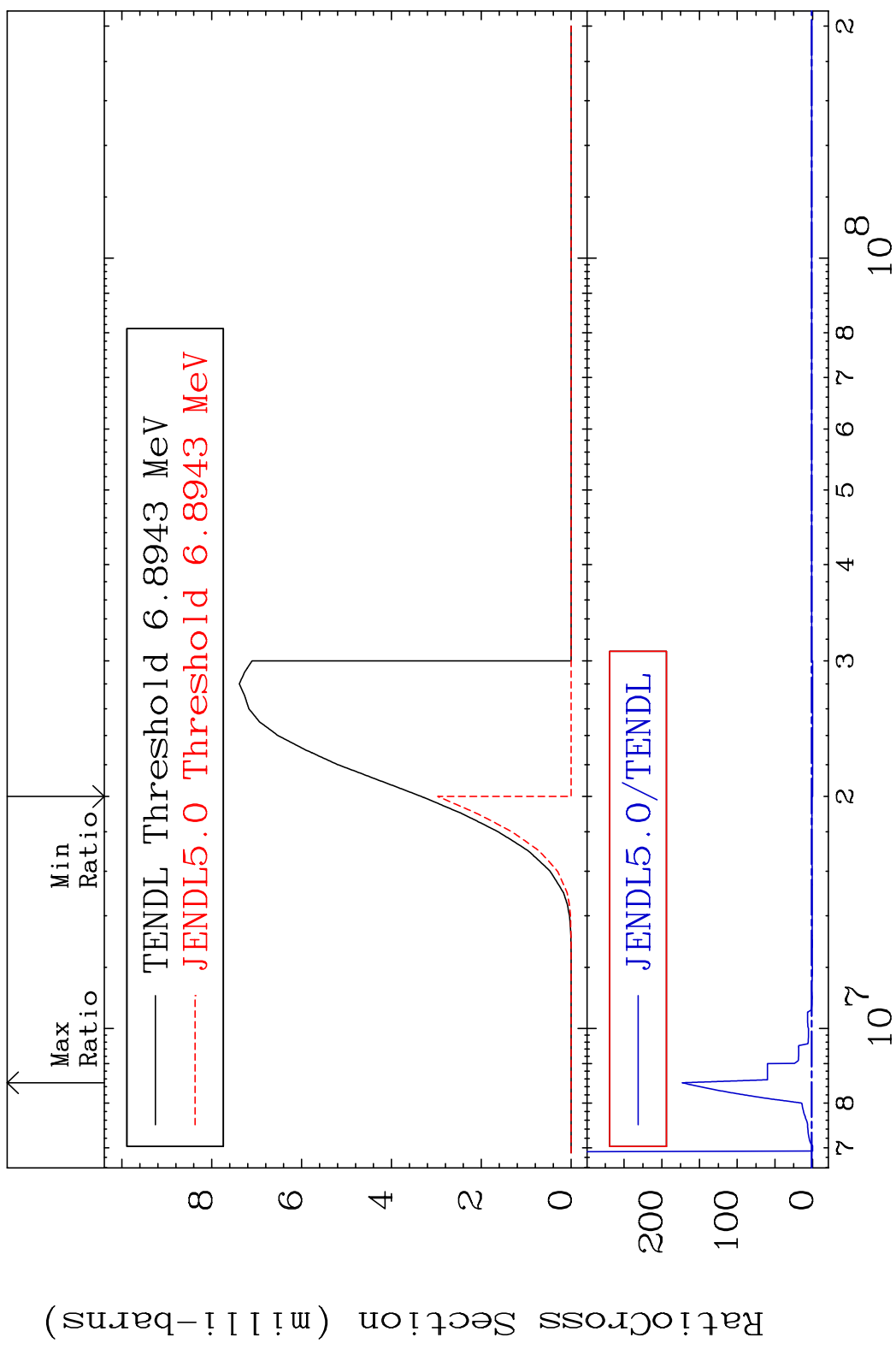
53-I -127

MAT 5325

(n, t)

53-I -127

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

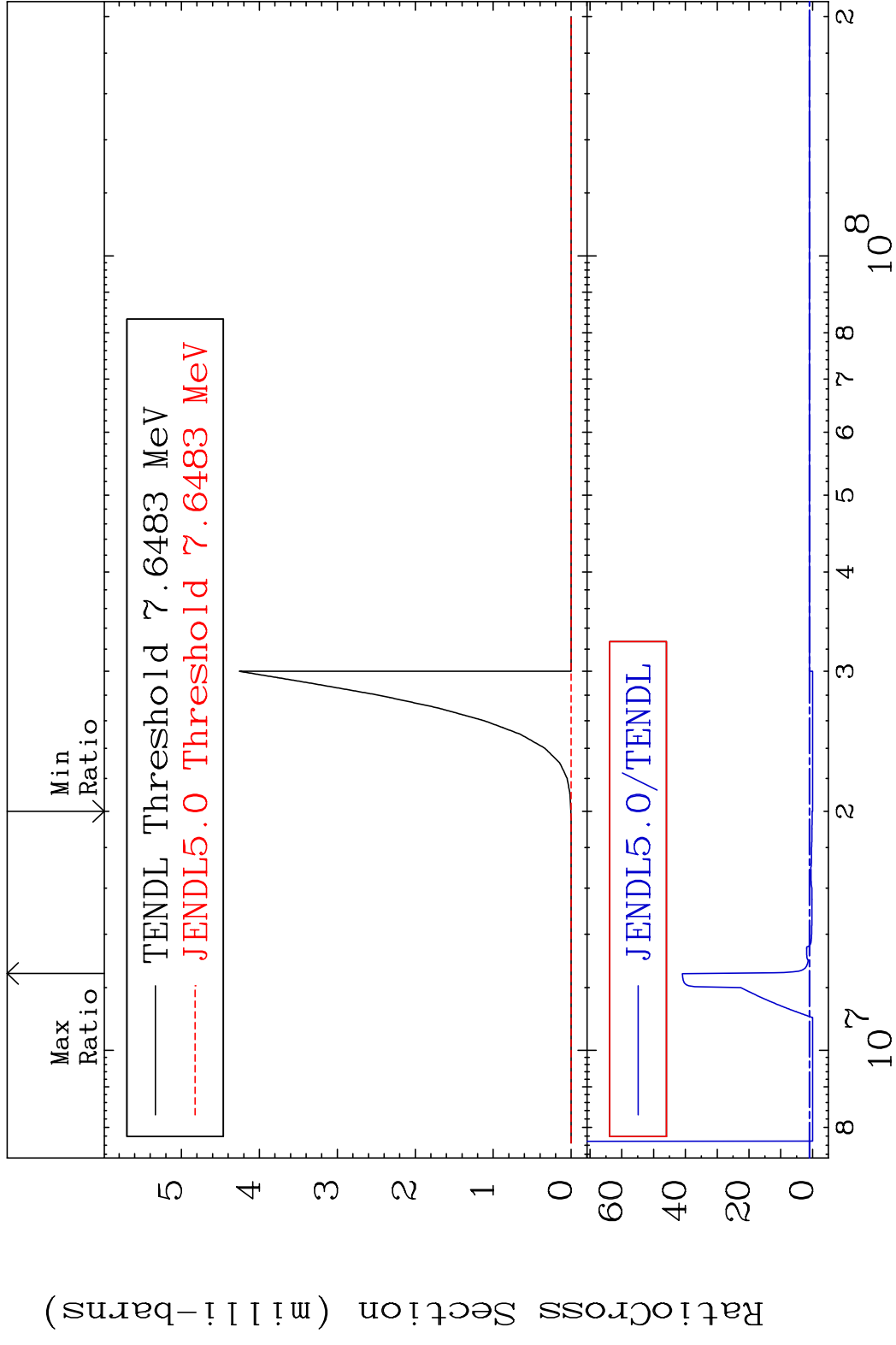
53-I -127

MAT 5325

(n, He-3)

53-I -127

Cross Section -100.0 To 3995. %



45

Incident Energy (eV)

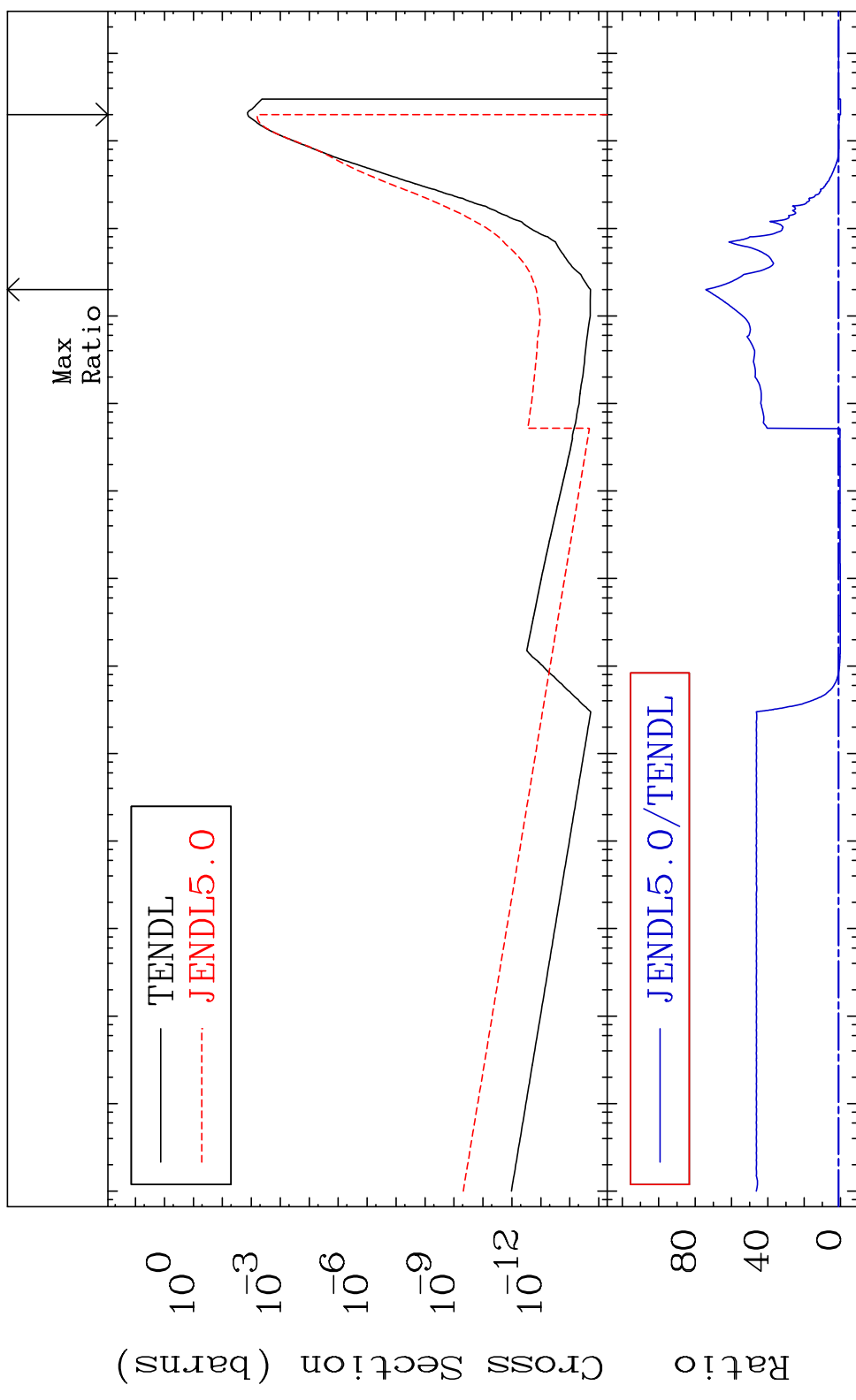
53-I -127

MAT 5325

(n, α)

53-I -127

Cross Section -100.0 To 7312. %



46

Incident Energy (eV)

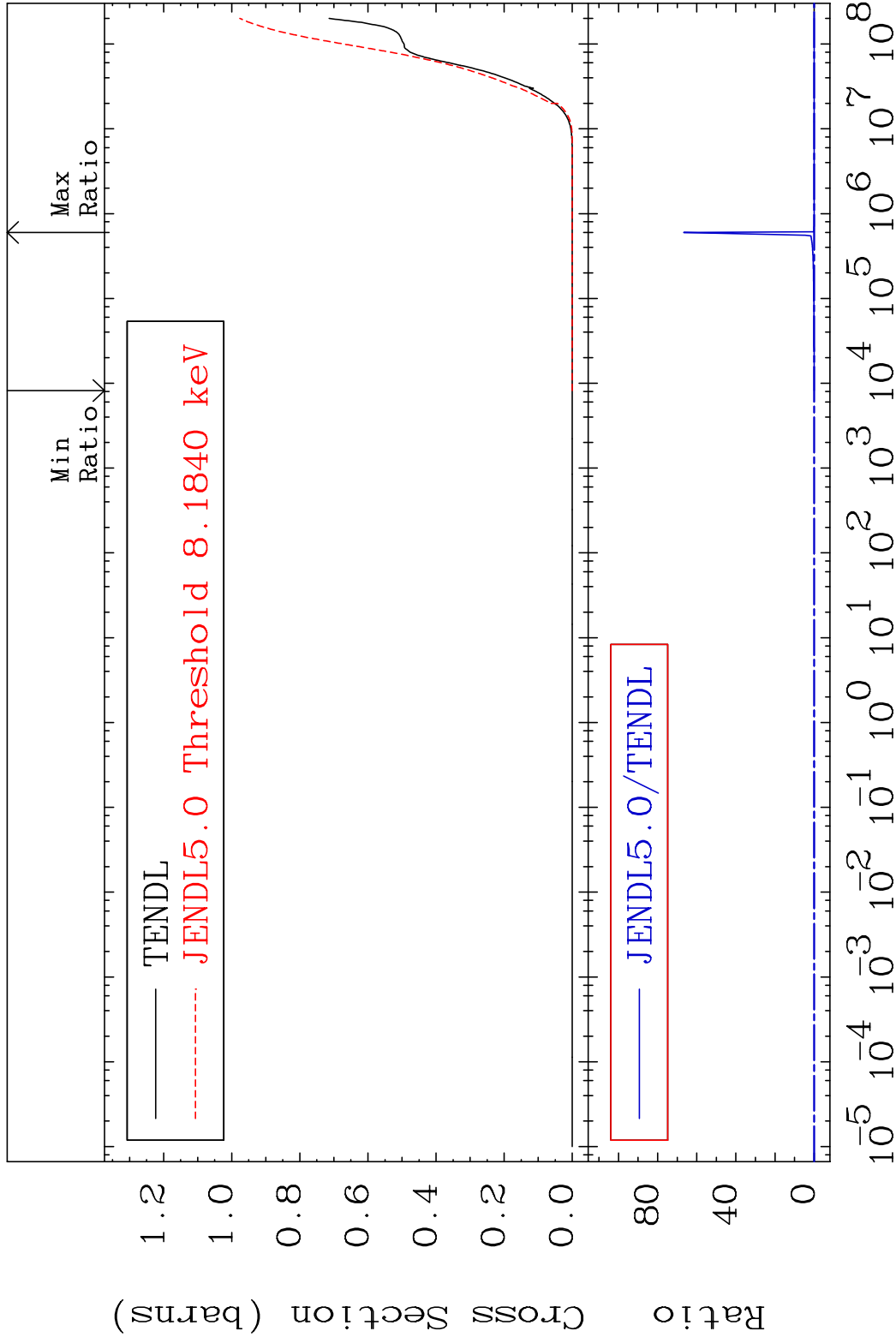
53-I -127

MAT 5325

Hydrogen Production

53-I -127

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

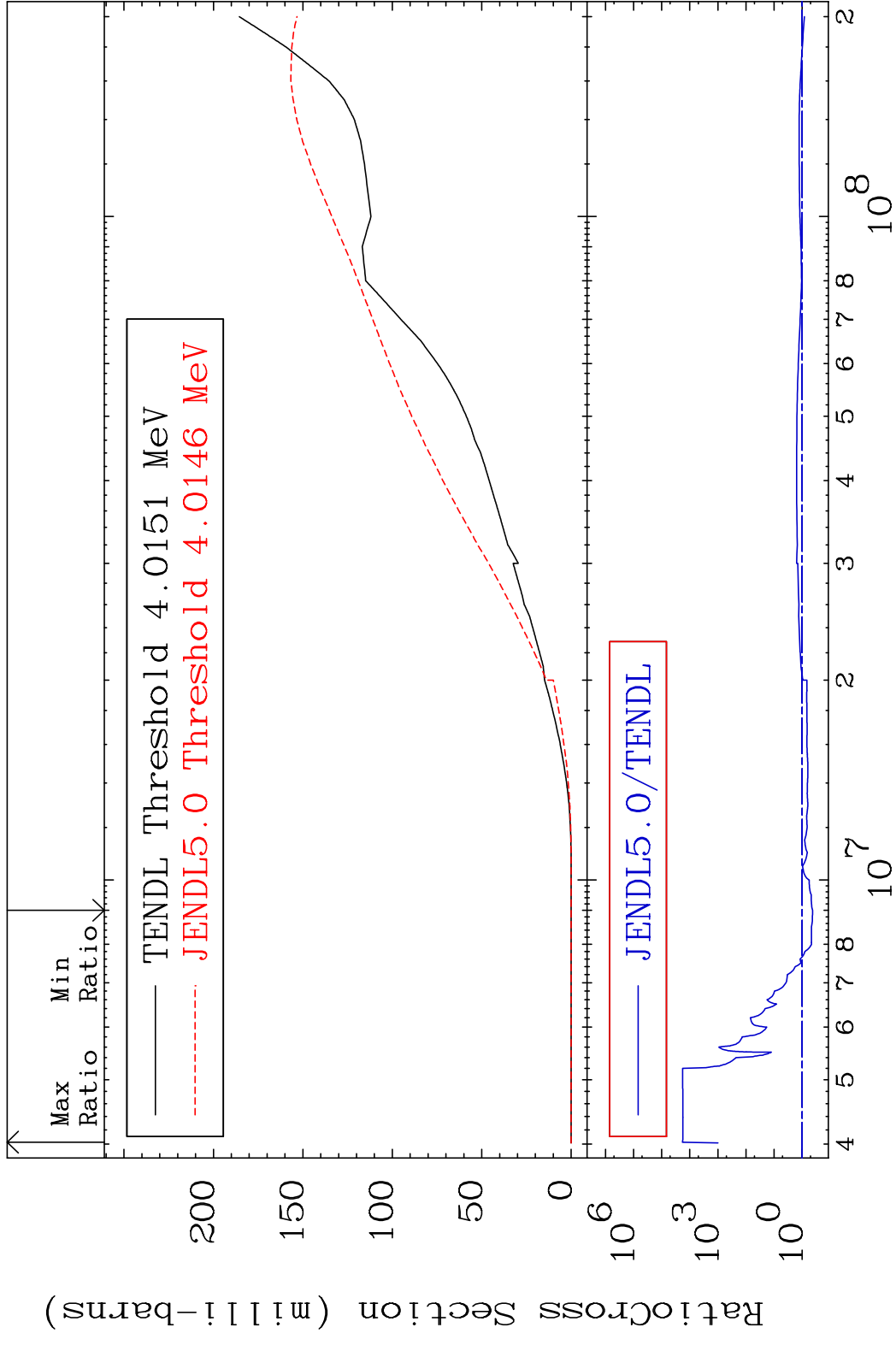
53-I -127

MAT 5325

Deuterium Production

53-I -127

Cross Section -57.84 To 9999. %



48

Incident Energy (eV)

53-I -127

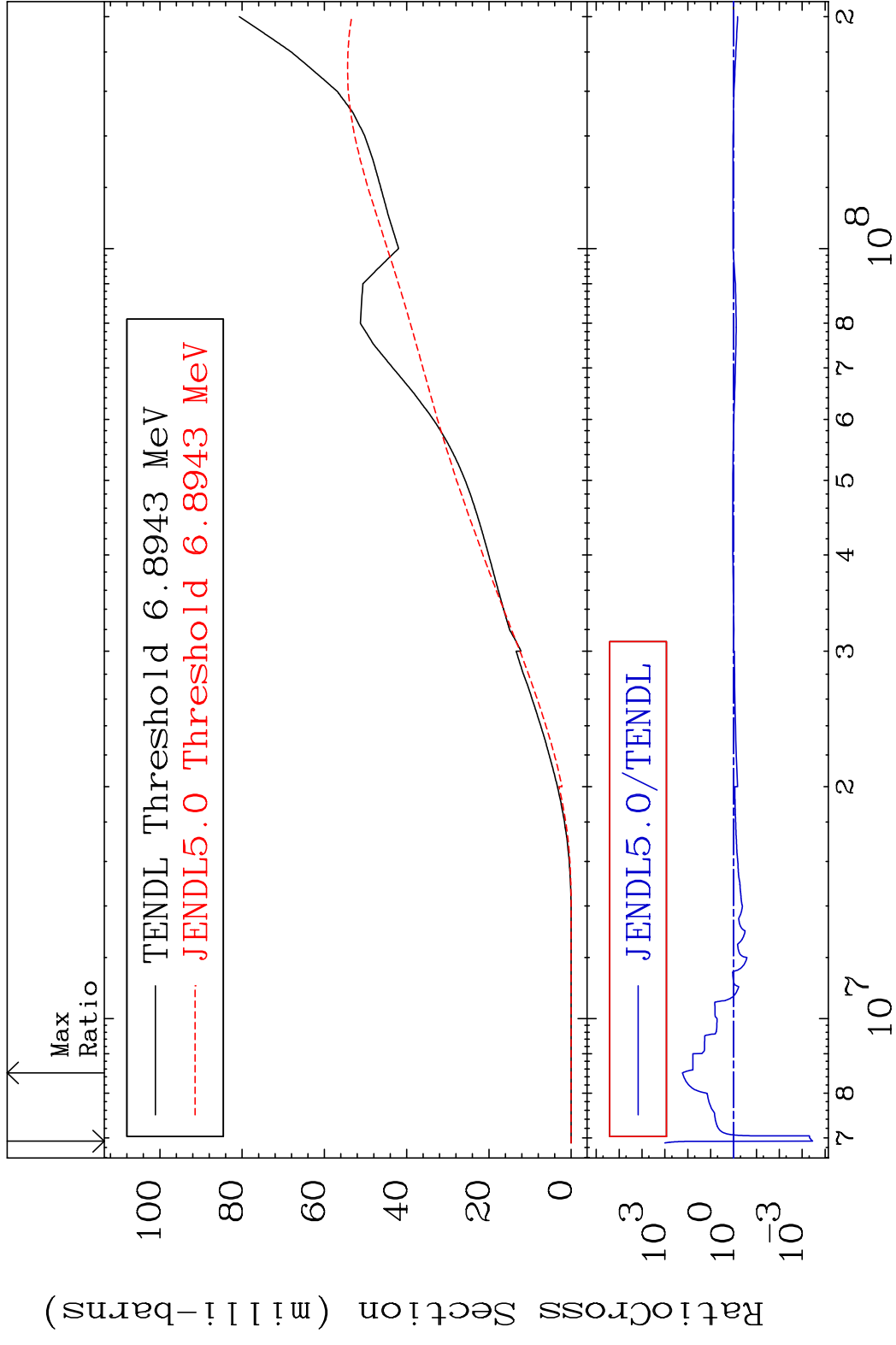
MAT 5325

Tritium Production

53-I -127

Cross Section

-99.96 To 9999. %

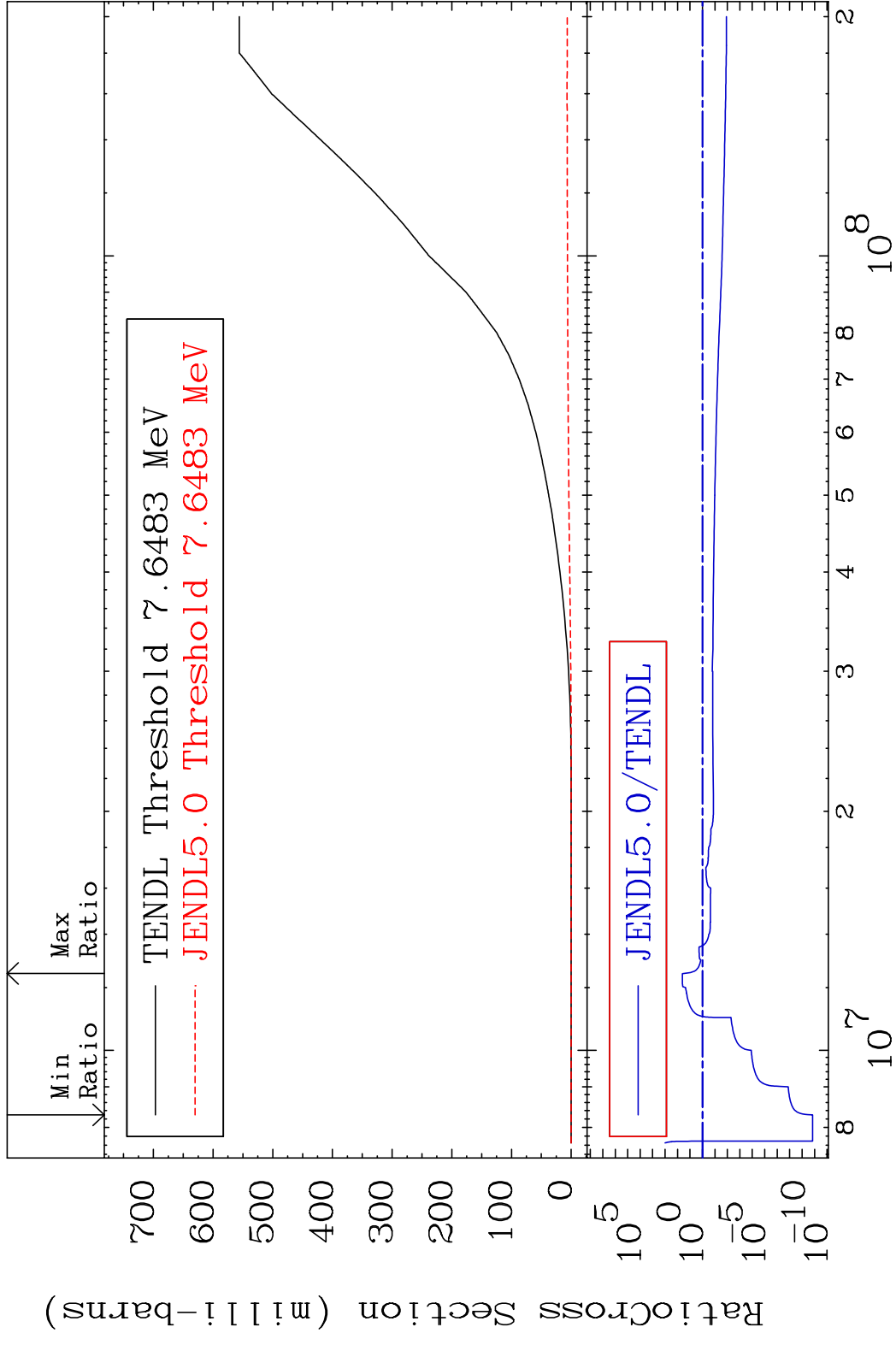


49

Incident Energy (eV)

53-I -127

Cross Section -100.0 To 3995. %

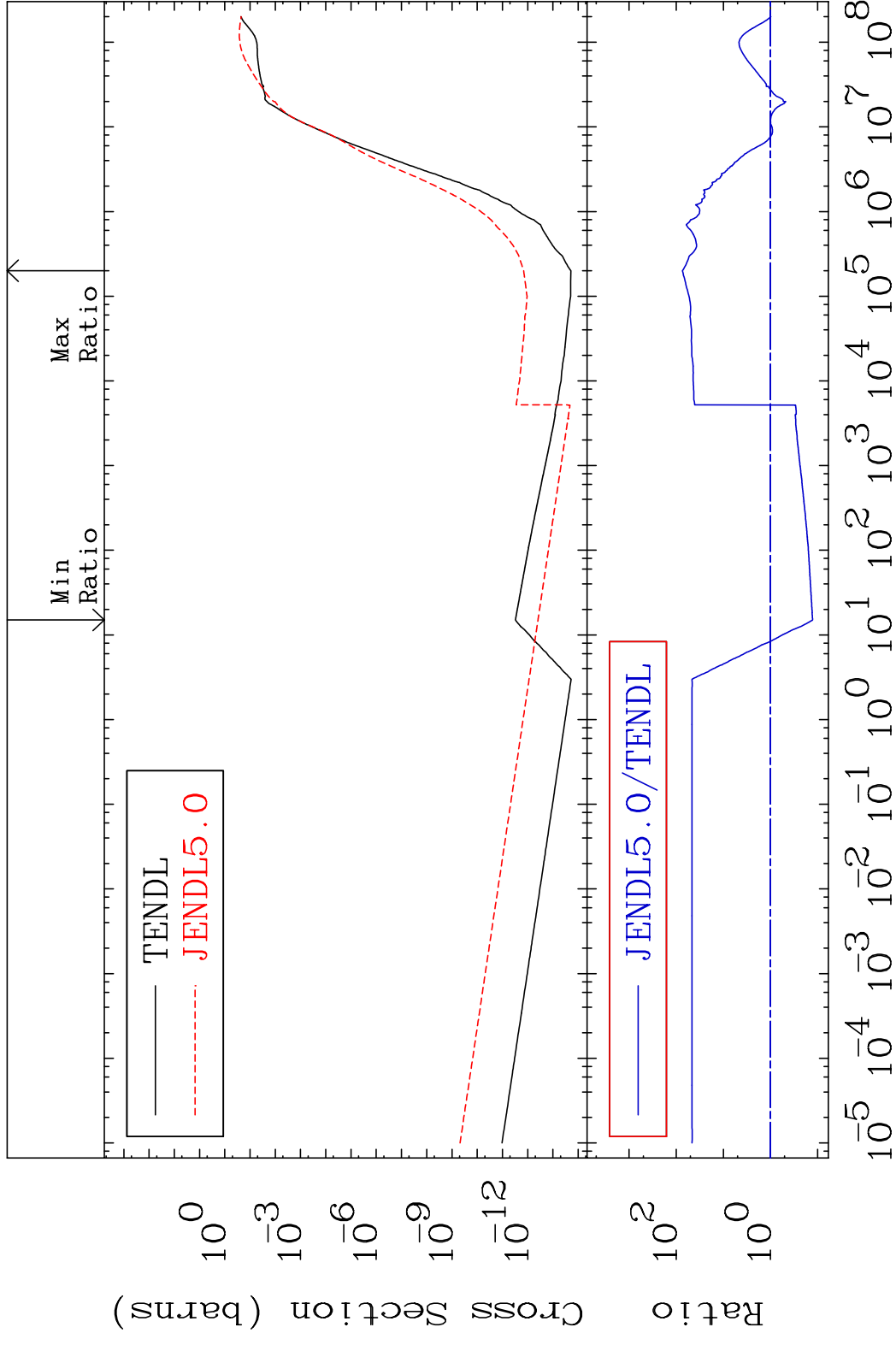


MAT 5325

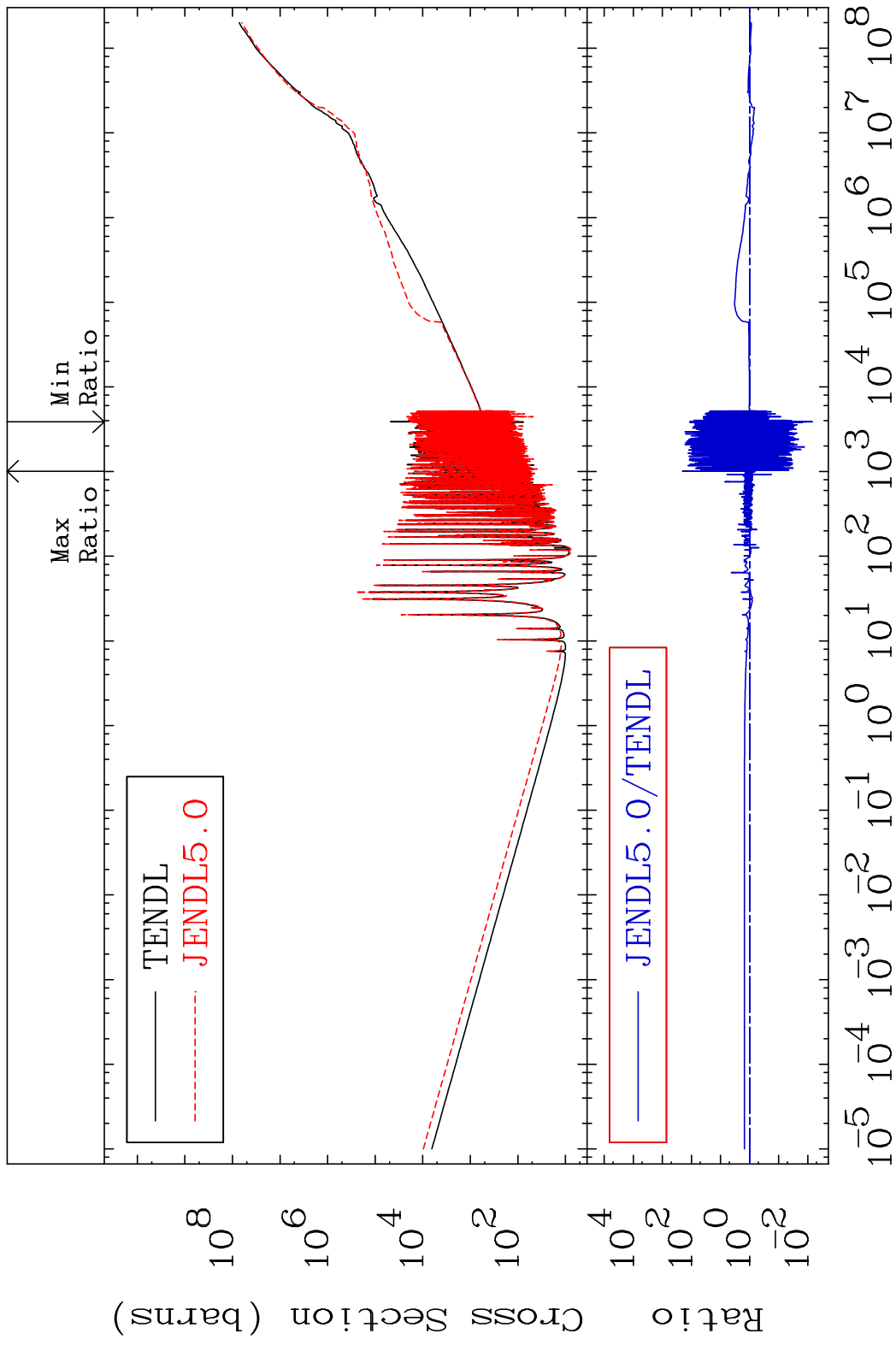
He-4 Production

53-I -127

Cross Section -87.21 To 7312. %



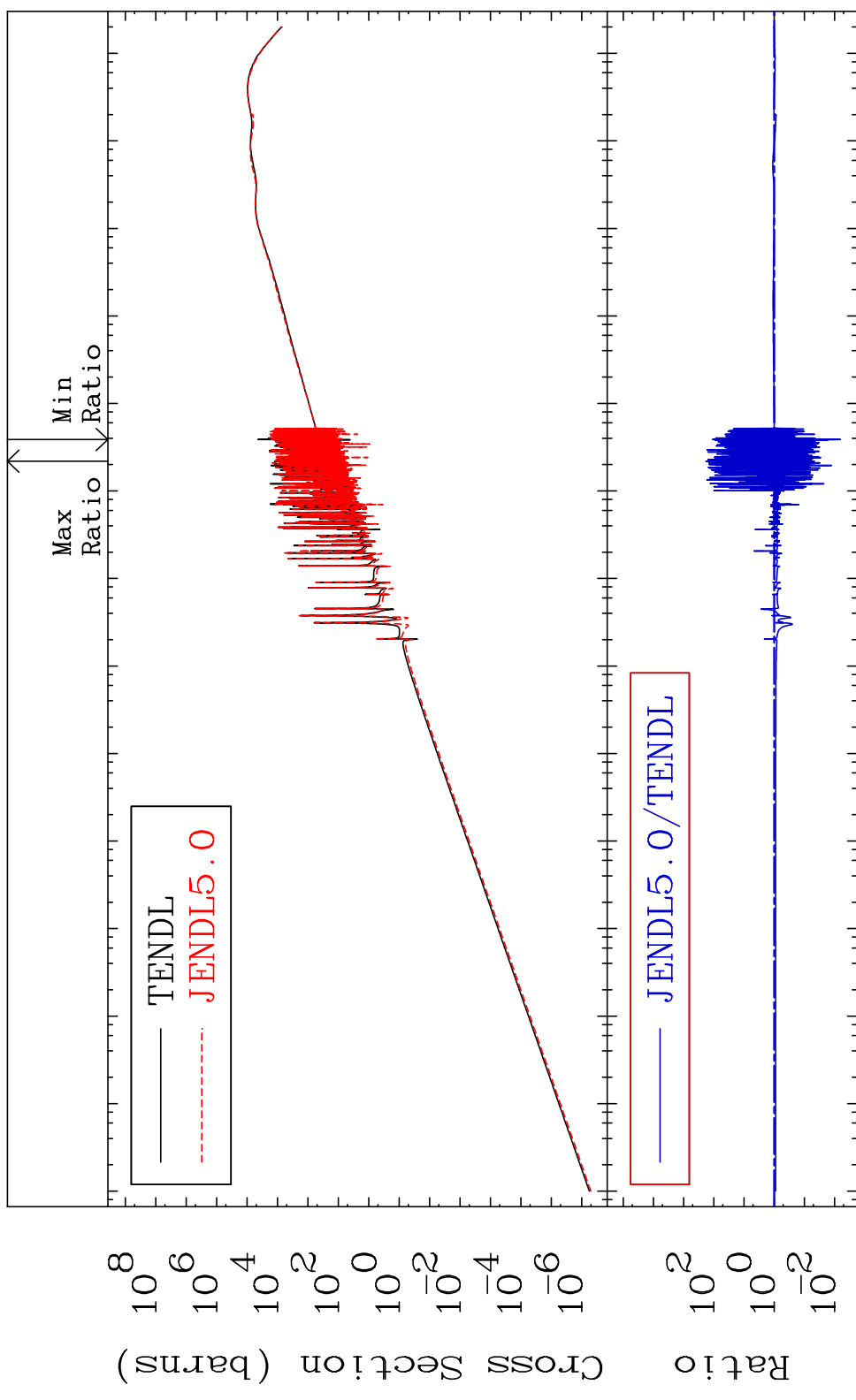
MAT 5325 Kerma total (eV-barns) 53-I -127
 Cross Section -99.32 To 9999. %



MAT 5325

Kerma elastic
Cross Section -99.36 To 9999. %

53-I -127

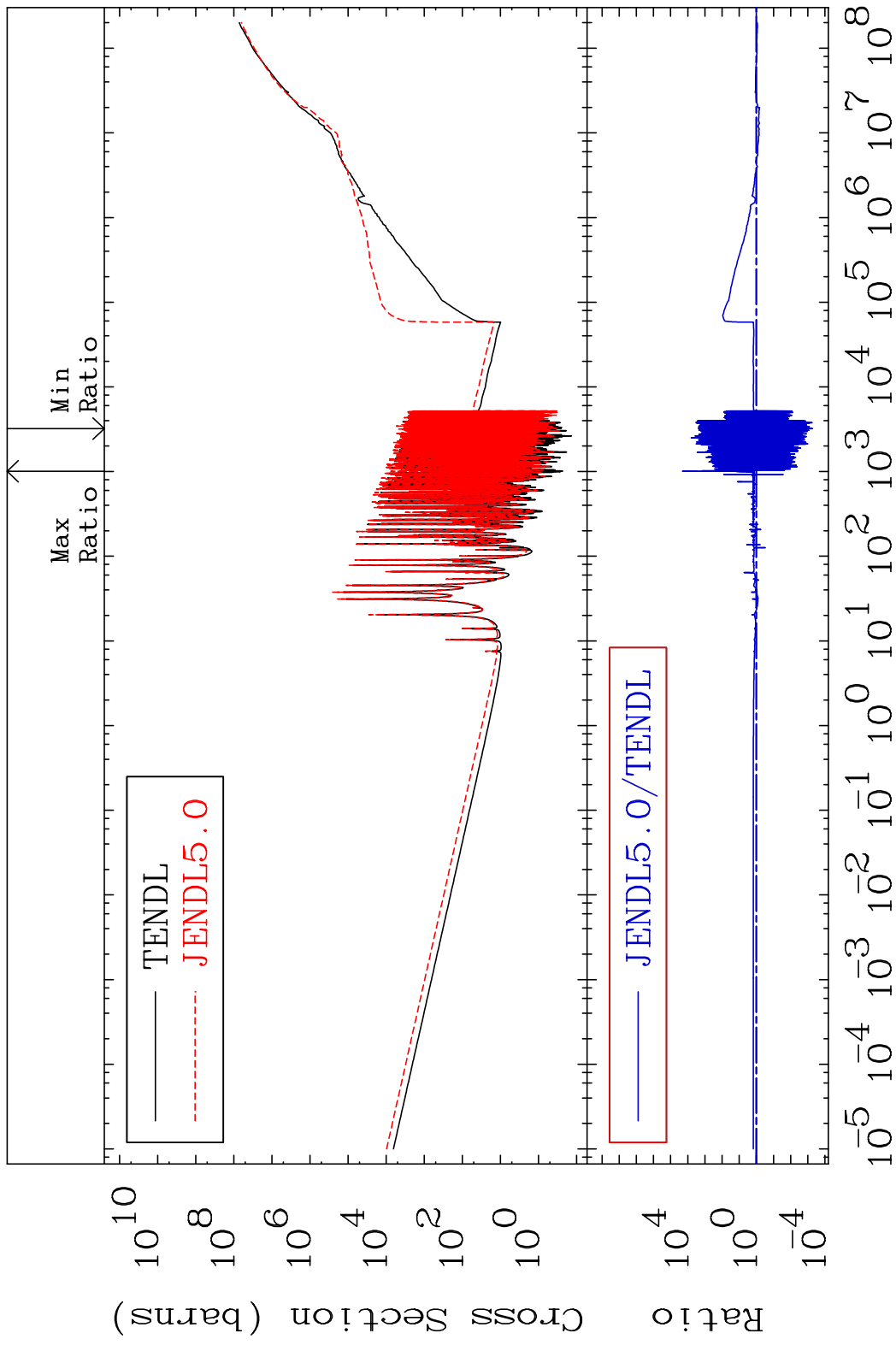


53

Incident Energy (eV)

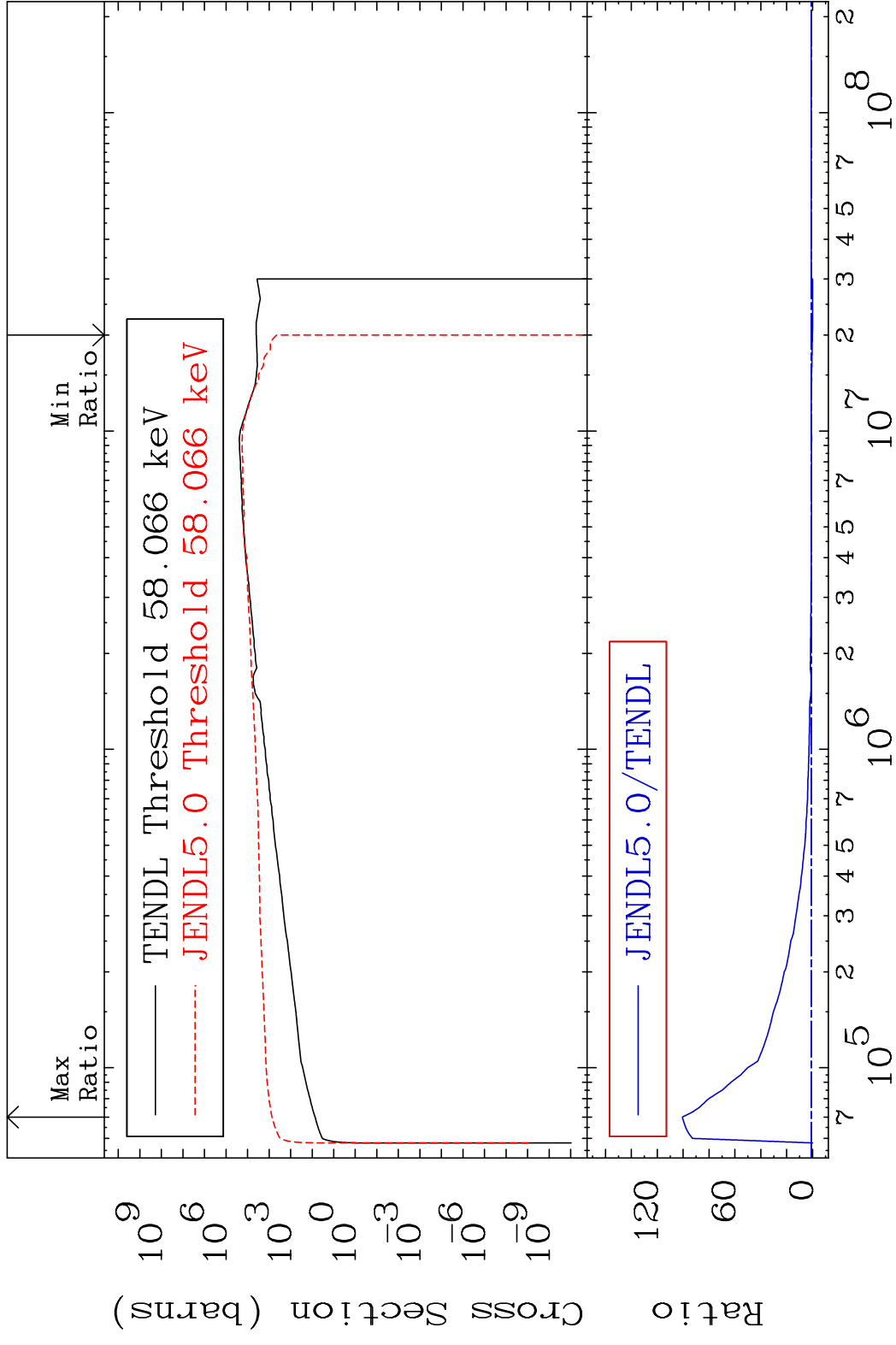
53-I -127

MAT 5325 Kerma non-elastic (all but mt2) 53-I -127
 Cross Section -99.95 To 9999. %

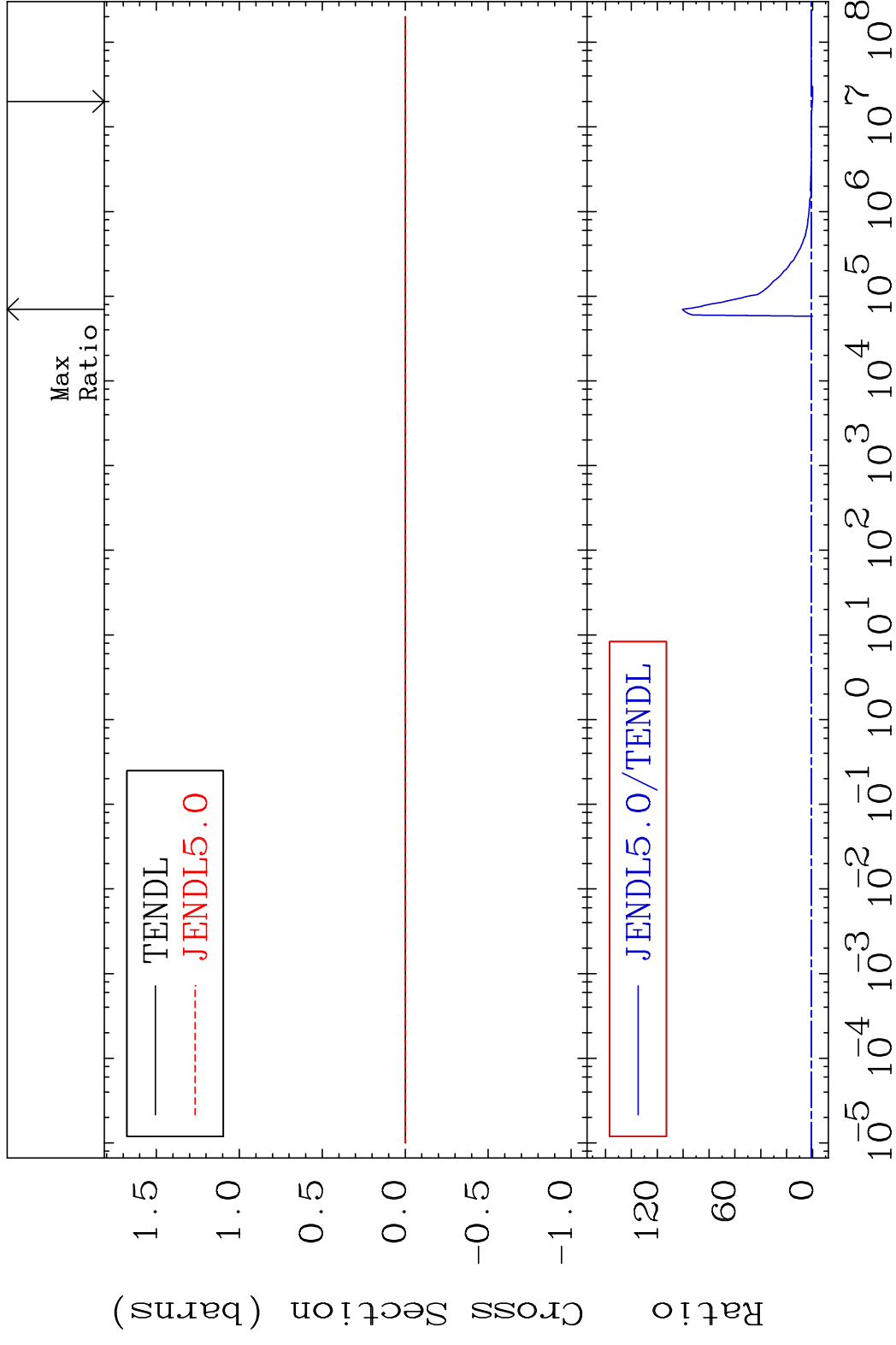


54 Incident Energy (eV) 53-I -127

MAT 5325 Kerma inelastic (mt51-91) 53-I -127
 Cross Section -100.0 To 9960. %



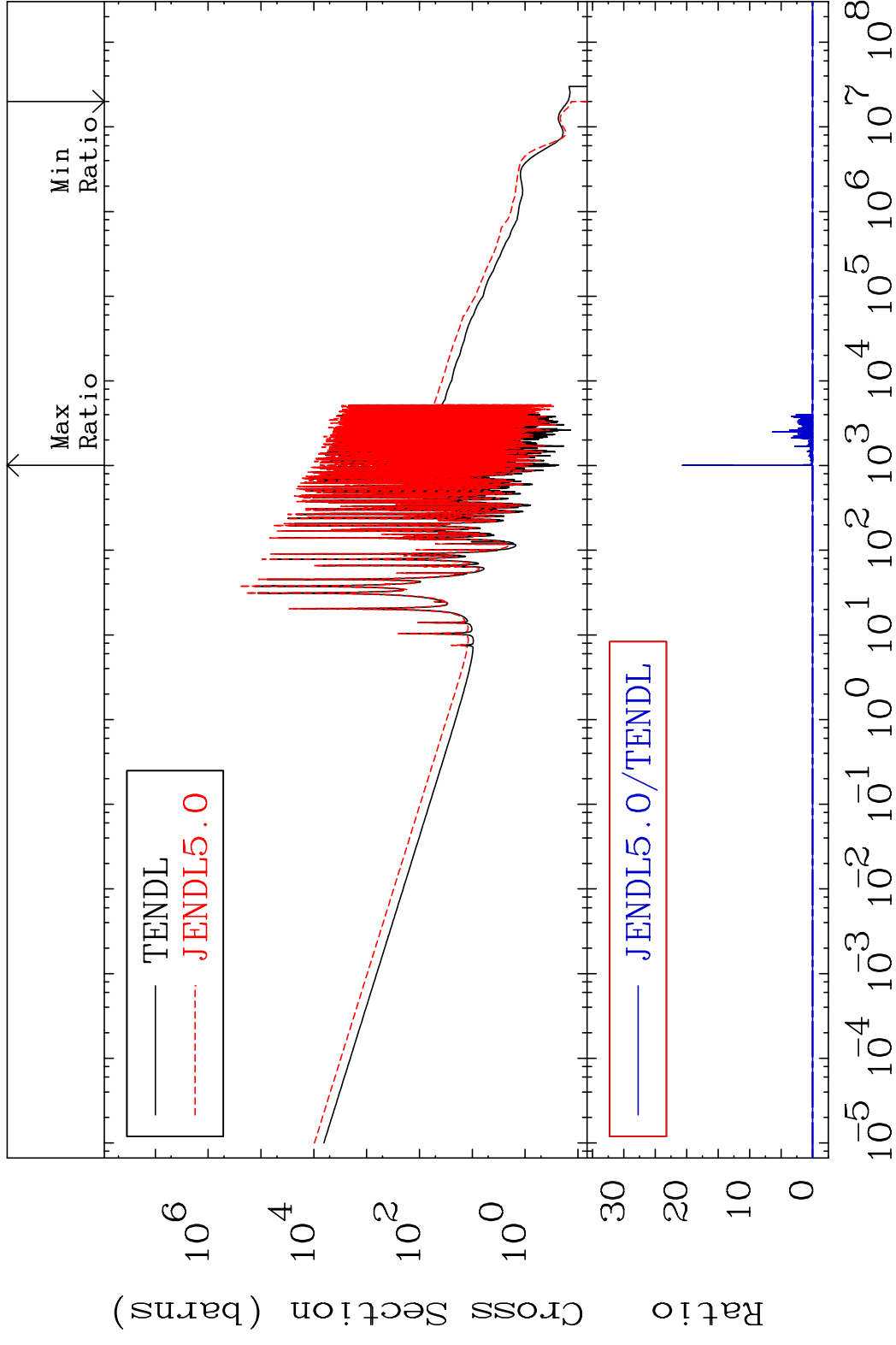
MAT 5325 Kerma fission (mt18 or mt19-20-21-38)53-I -127
 Cross Section -100.0 To 9960. %



MAT 5325

Kerma capture (mt102) 53-I -127

Cross Section -100.0 To 9999. %



Max Ratio

Min Ratio

TENDL
JENDL5.0

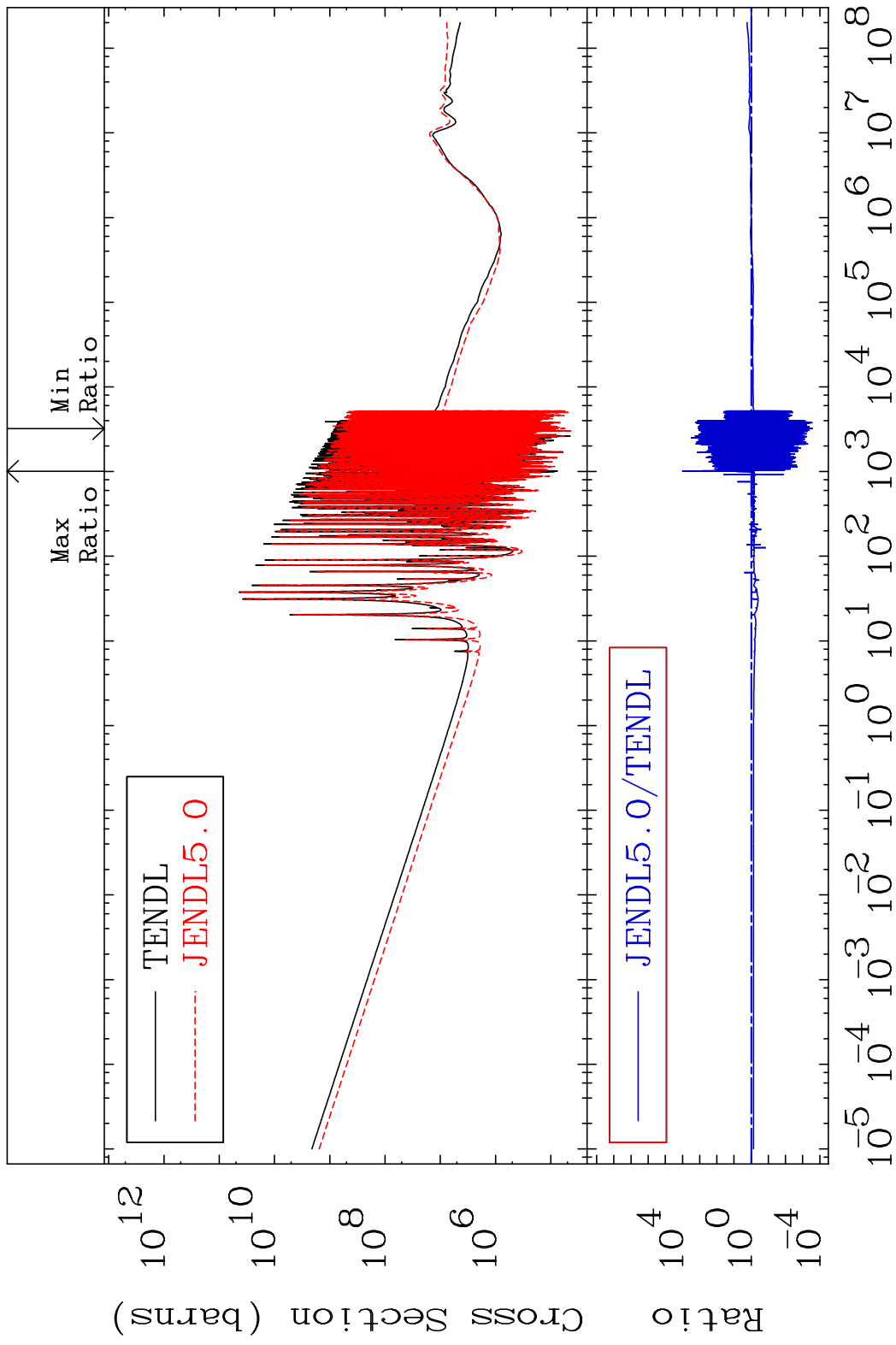
JENDL5.0/TENDL

57

Incident Energy (eV)

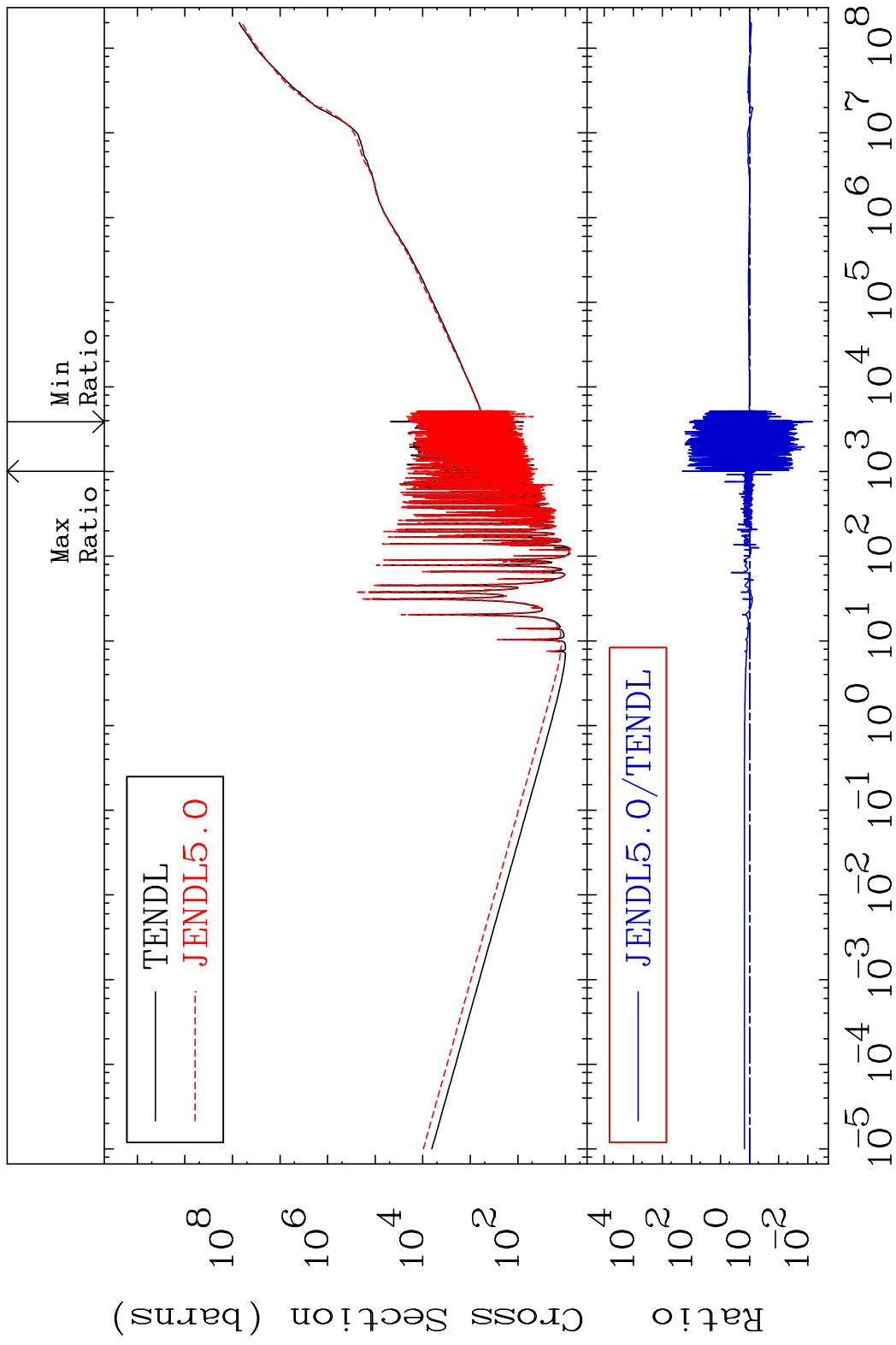
53-I -127

MAT 5325 Total photon (eV-barns) 53-I -127
Cross Section -99.97 To 9999. %

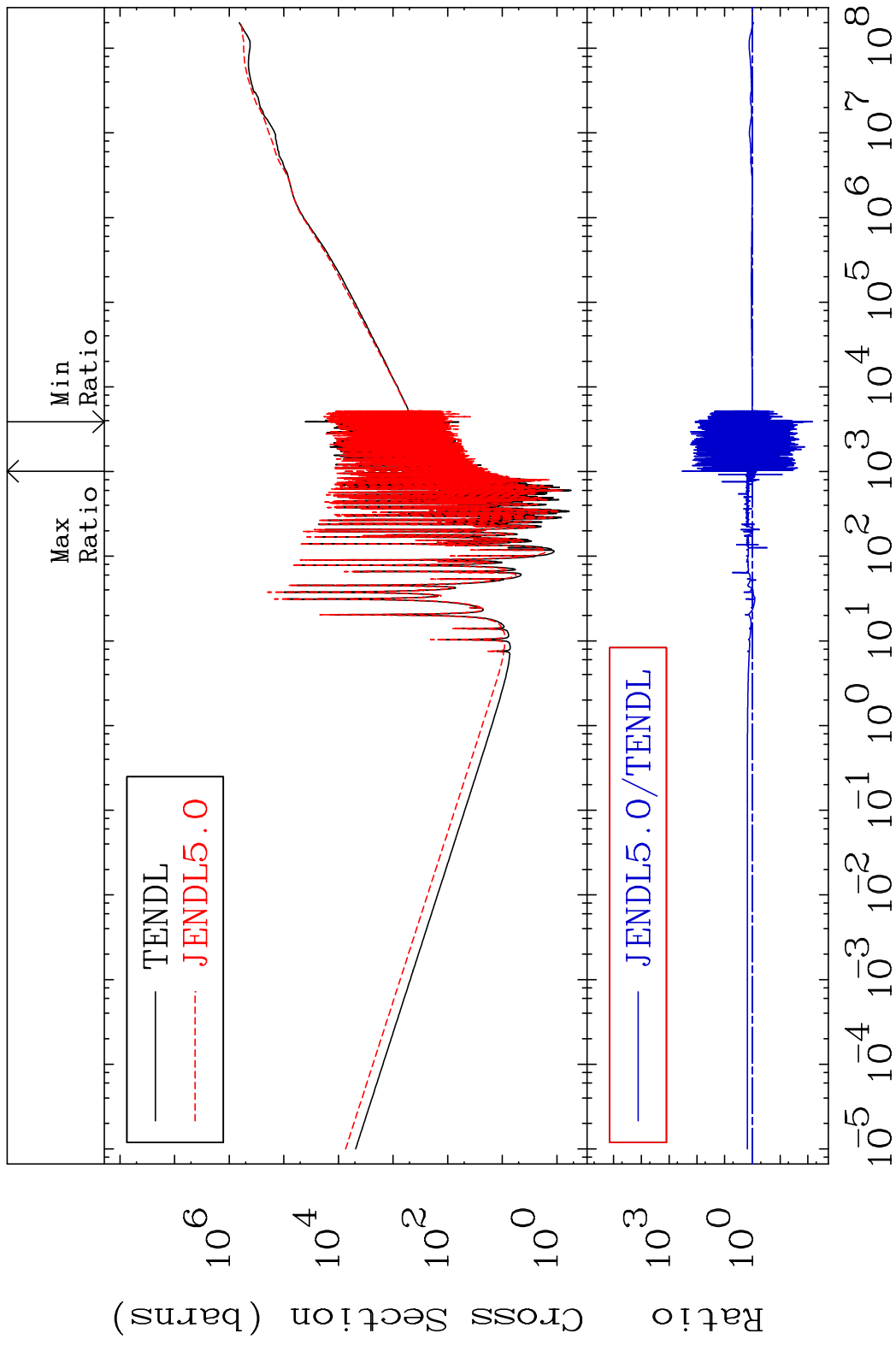


58 Incident Energy (eV) 53-I -127

MAT 5325 Total kinematic kerma (high limit) 53-I -127
Cross Section -99.32 To 9999. %



MAT 5325 Dpa total (eV-barns) 53-I -127
 Cross Section -99.32 To 9999. %



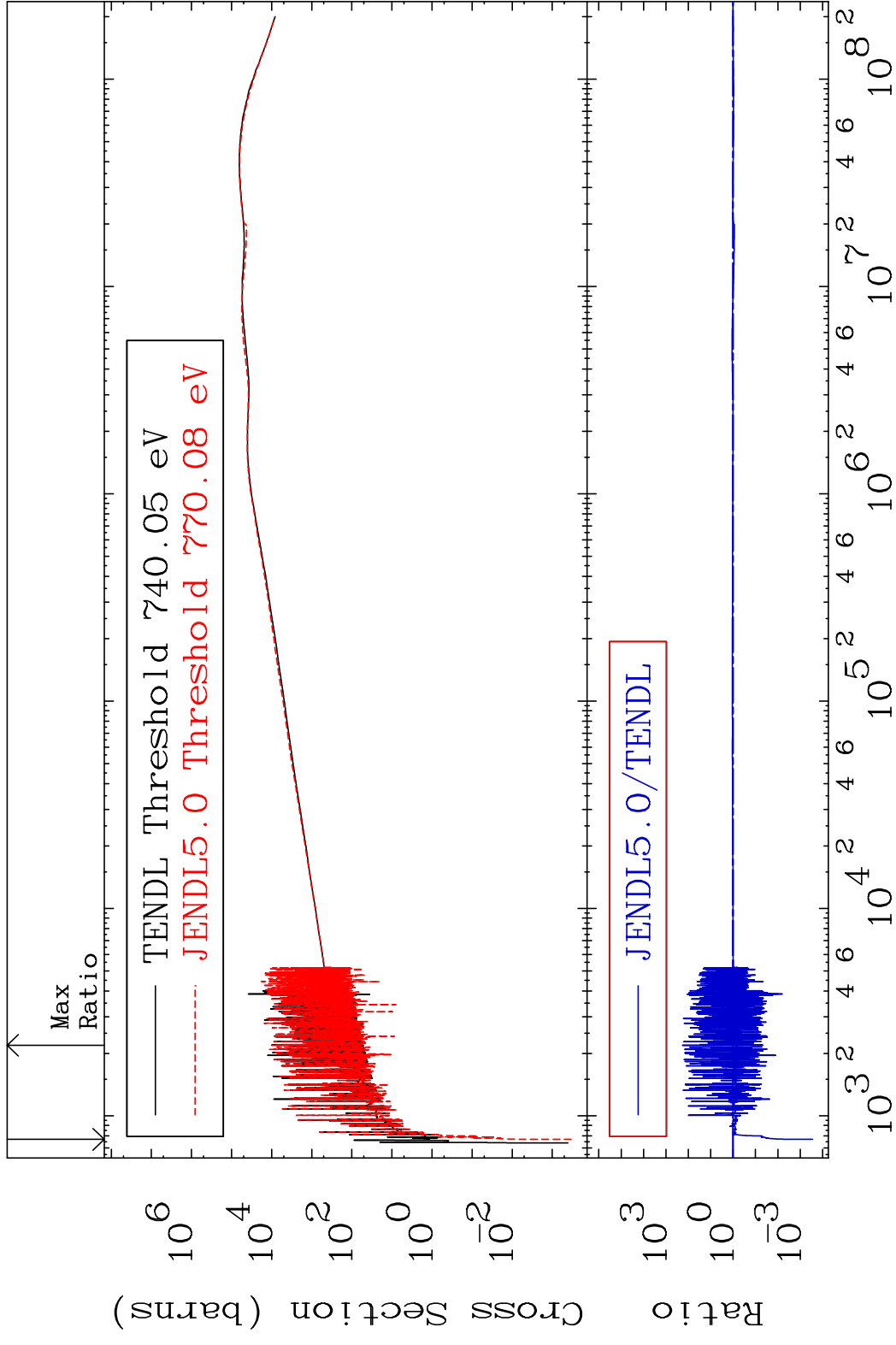
60 Incident Energy (eV) 53-I -127

MAT 5325

Dpa elastic (mt2)

53-I -127

Cross Section -99.97 To 9999. %

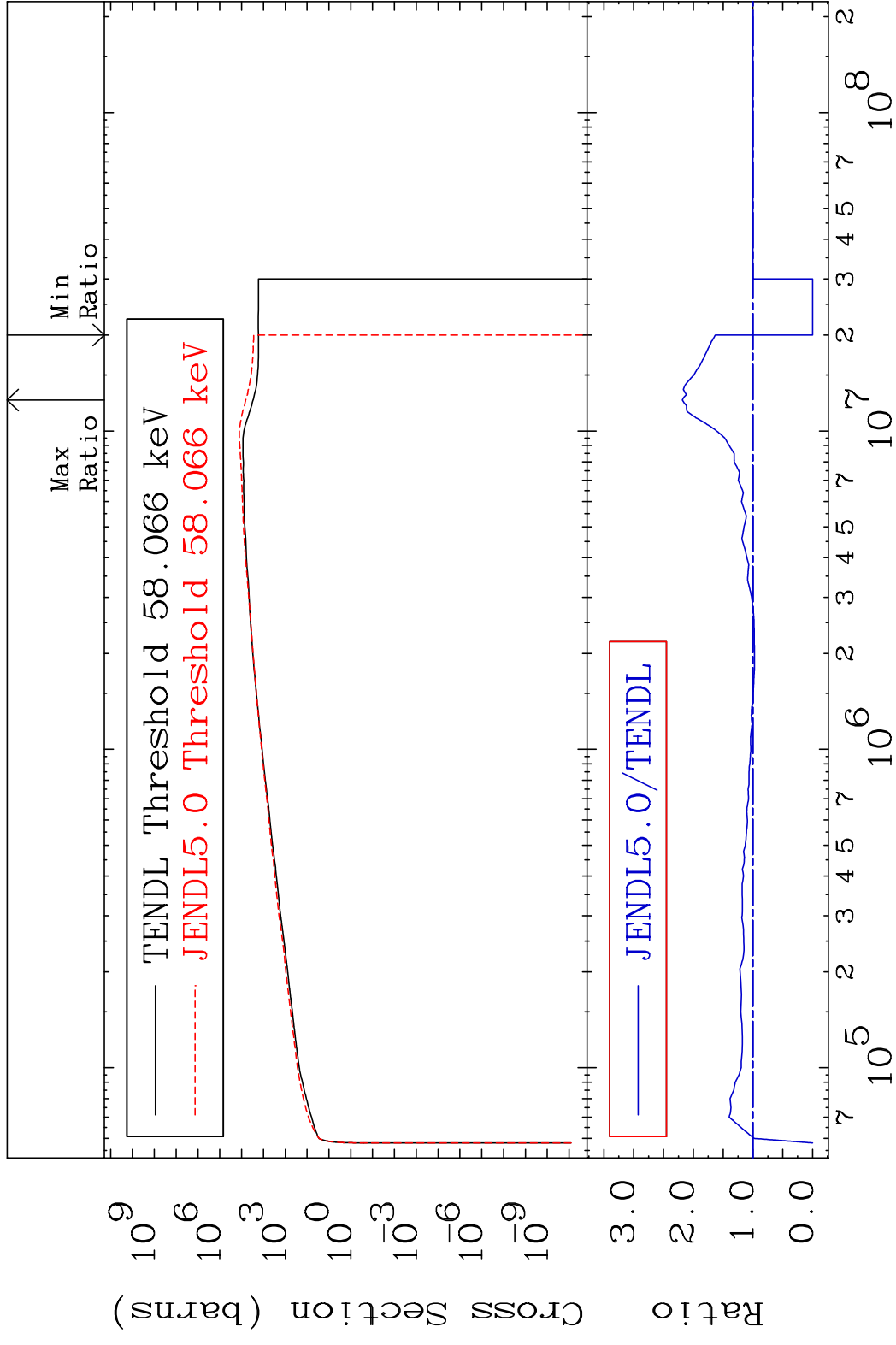


61

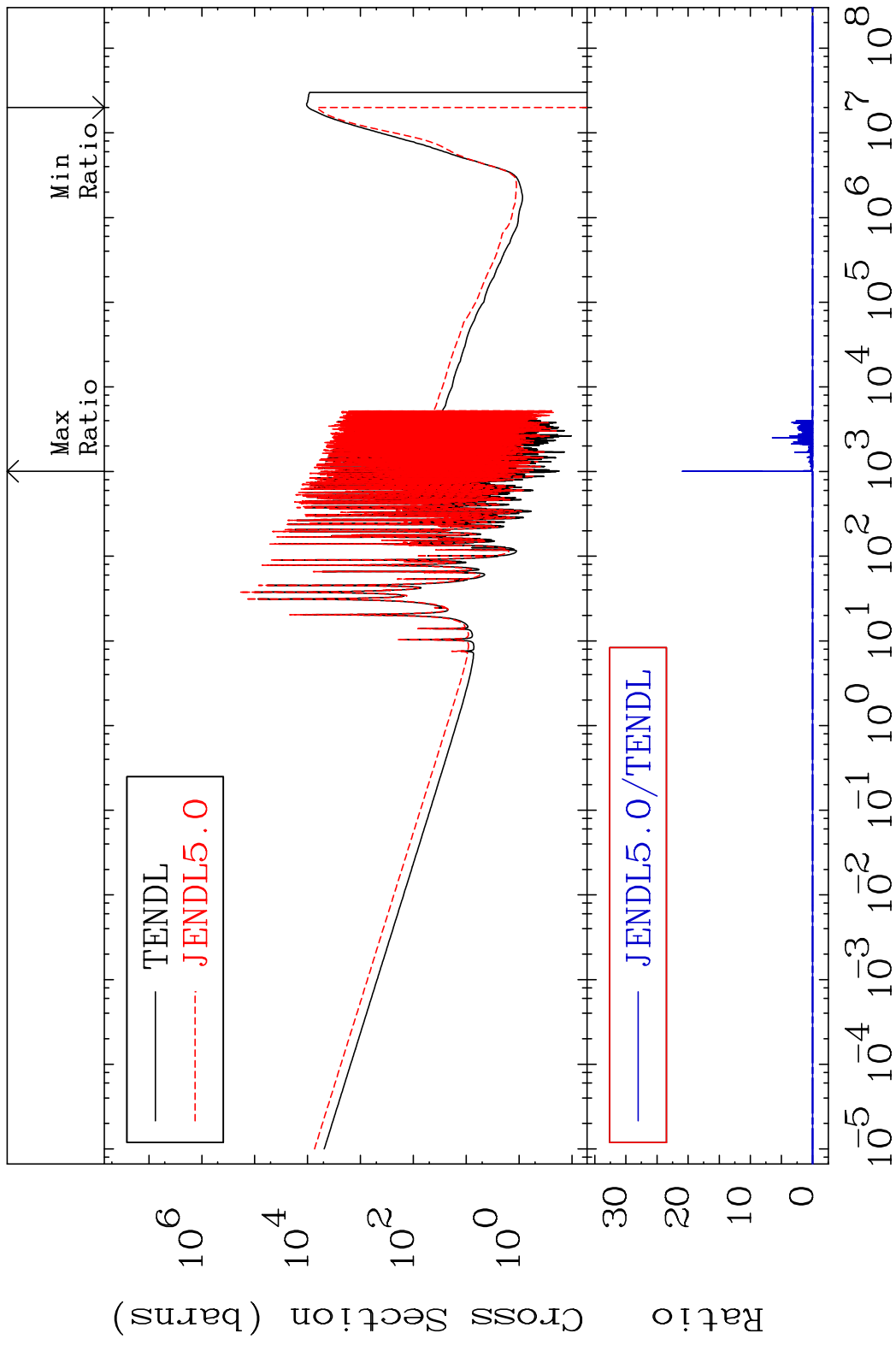
Incident Energy (eV)

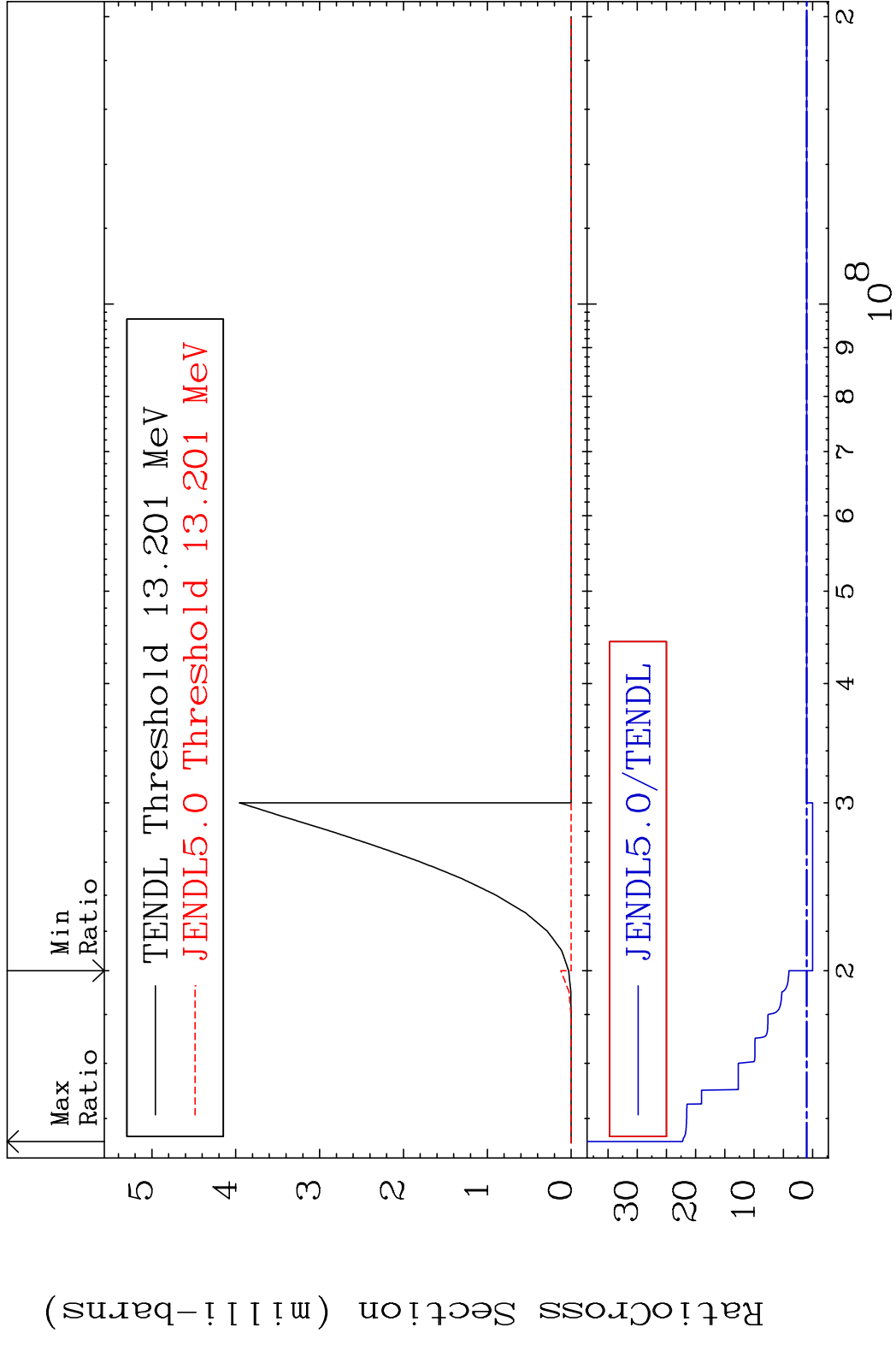
53-I -127

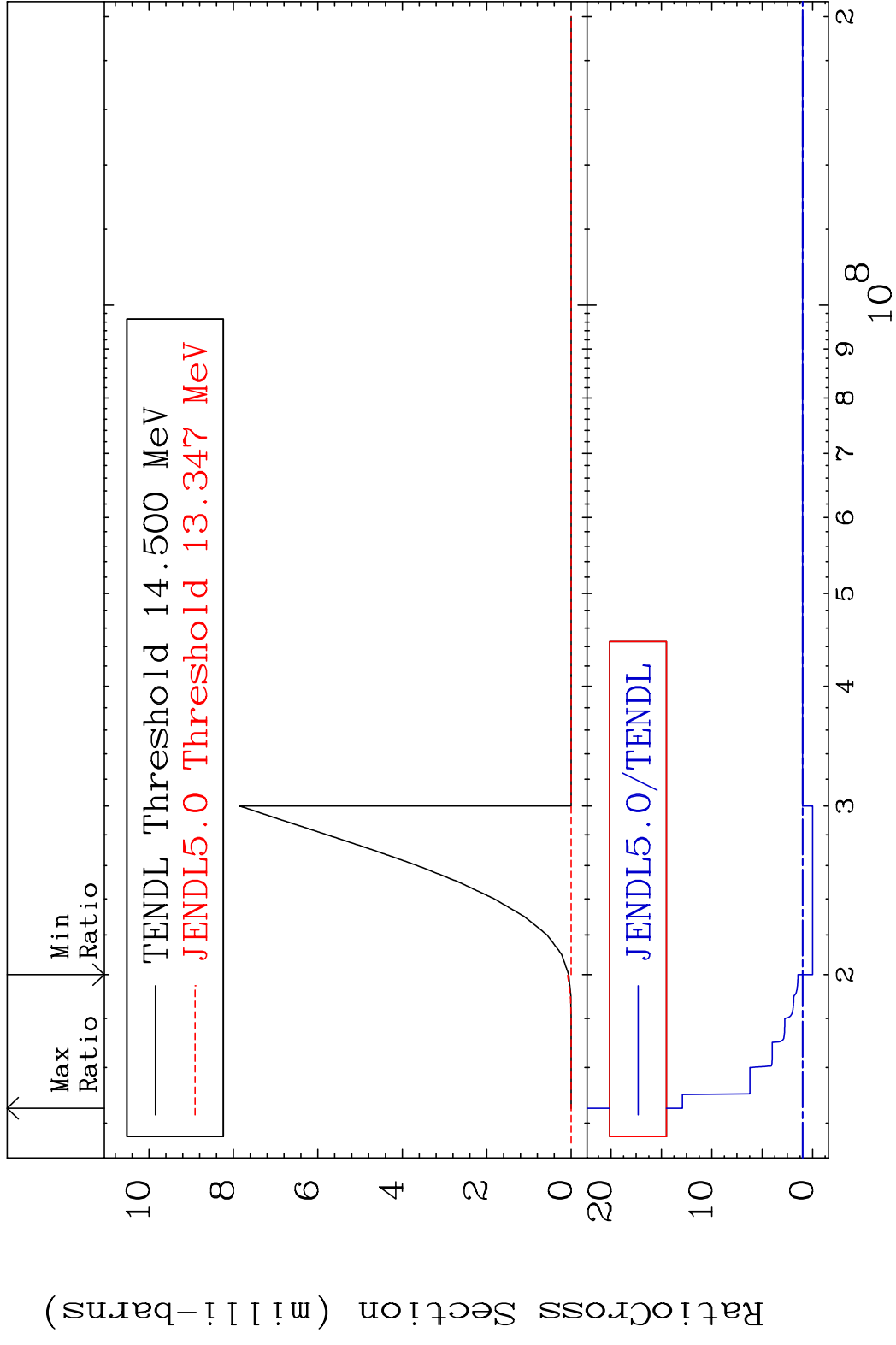
MAT 5325 Dpa inelastic (mt51-91) 53-I -127
 Cross Section -100.0 To 118.4 %

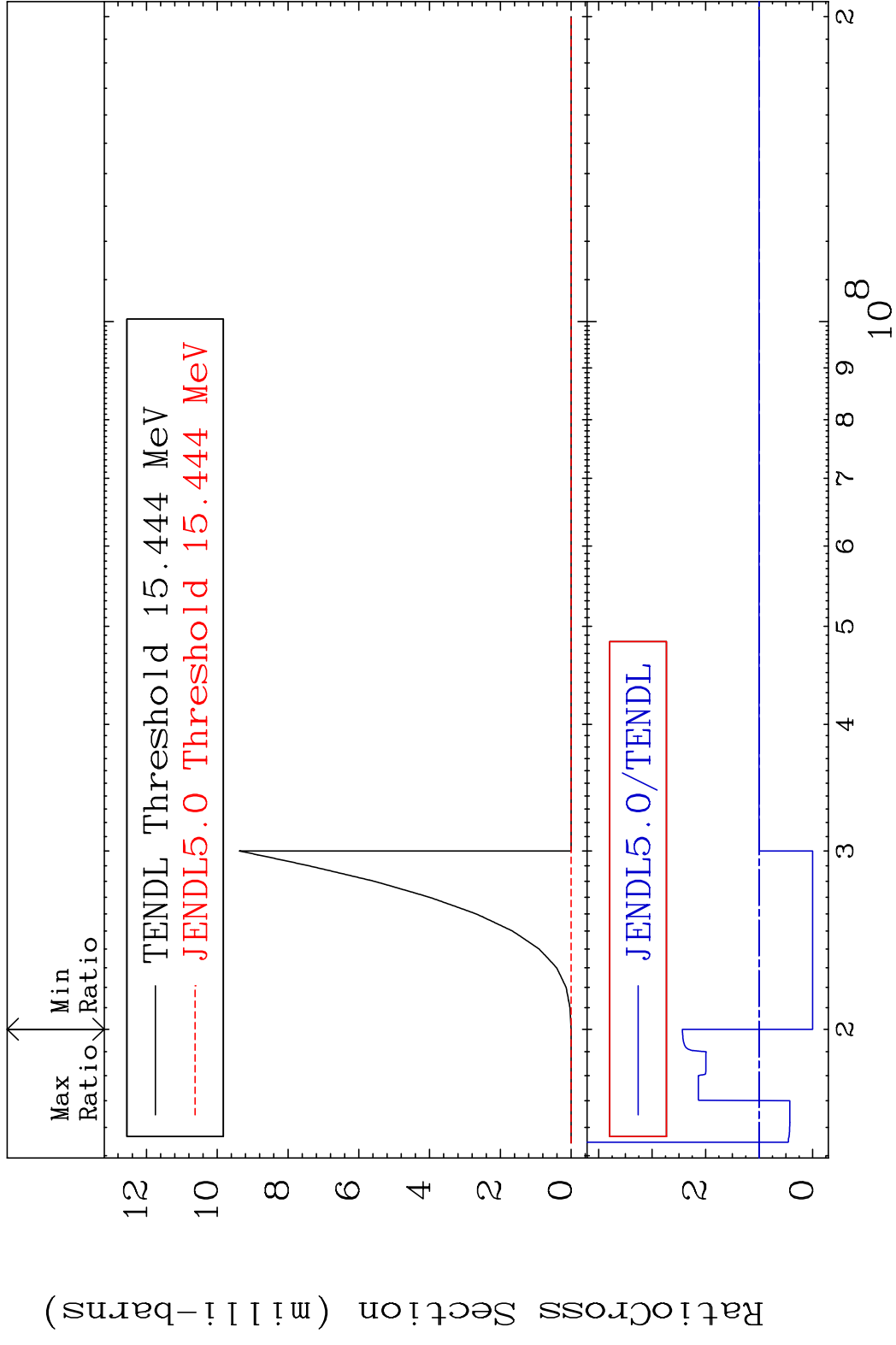


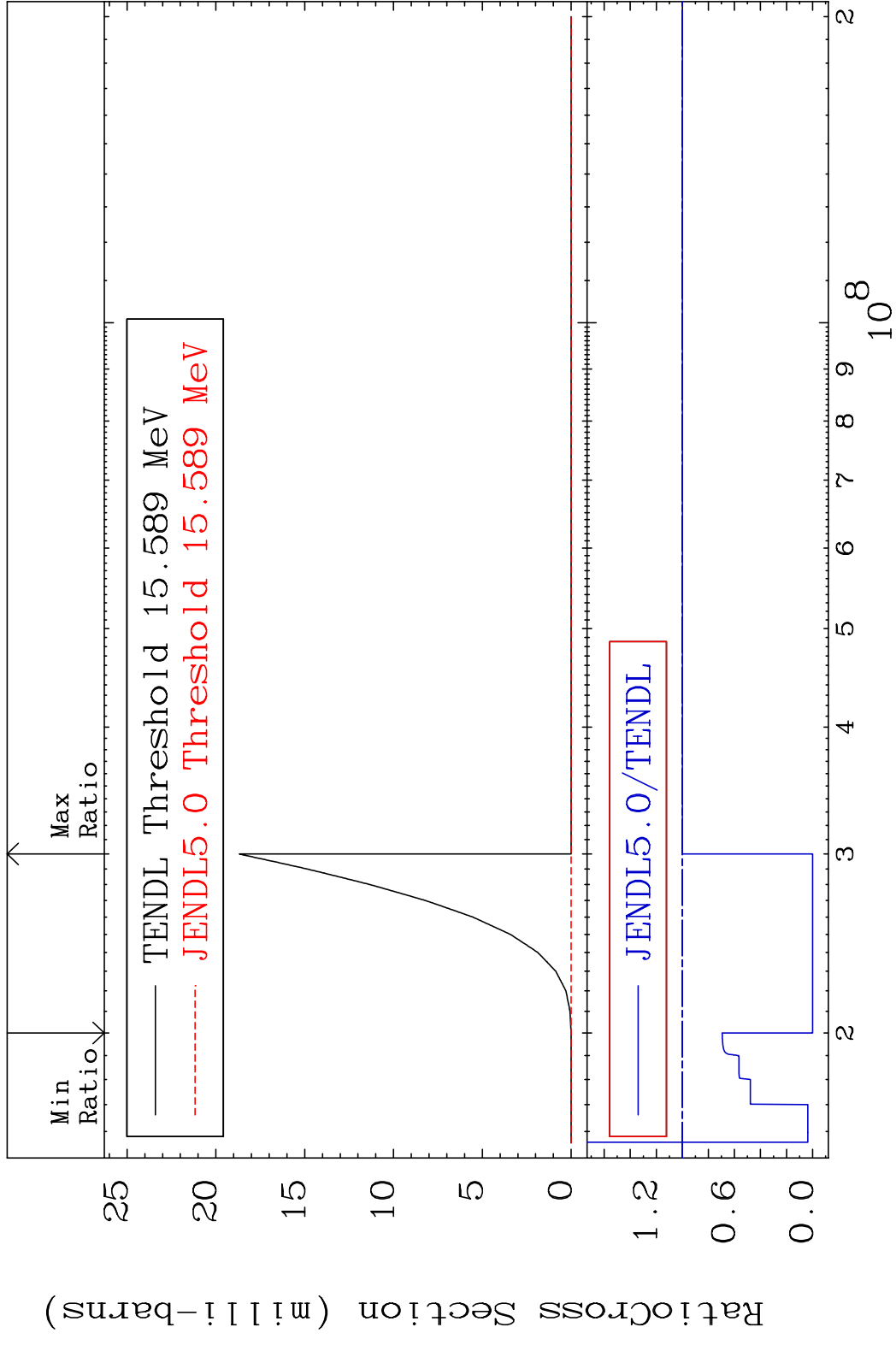
MAT 5325 Dpa disappearance (mt102 -120) 53-I -127
 Cross Section -100.0 To 9999. %

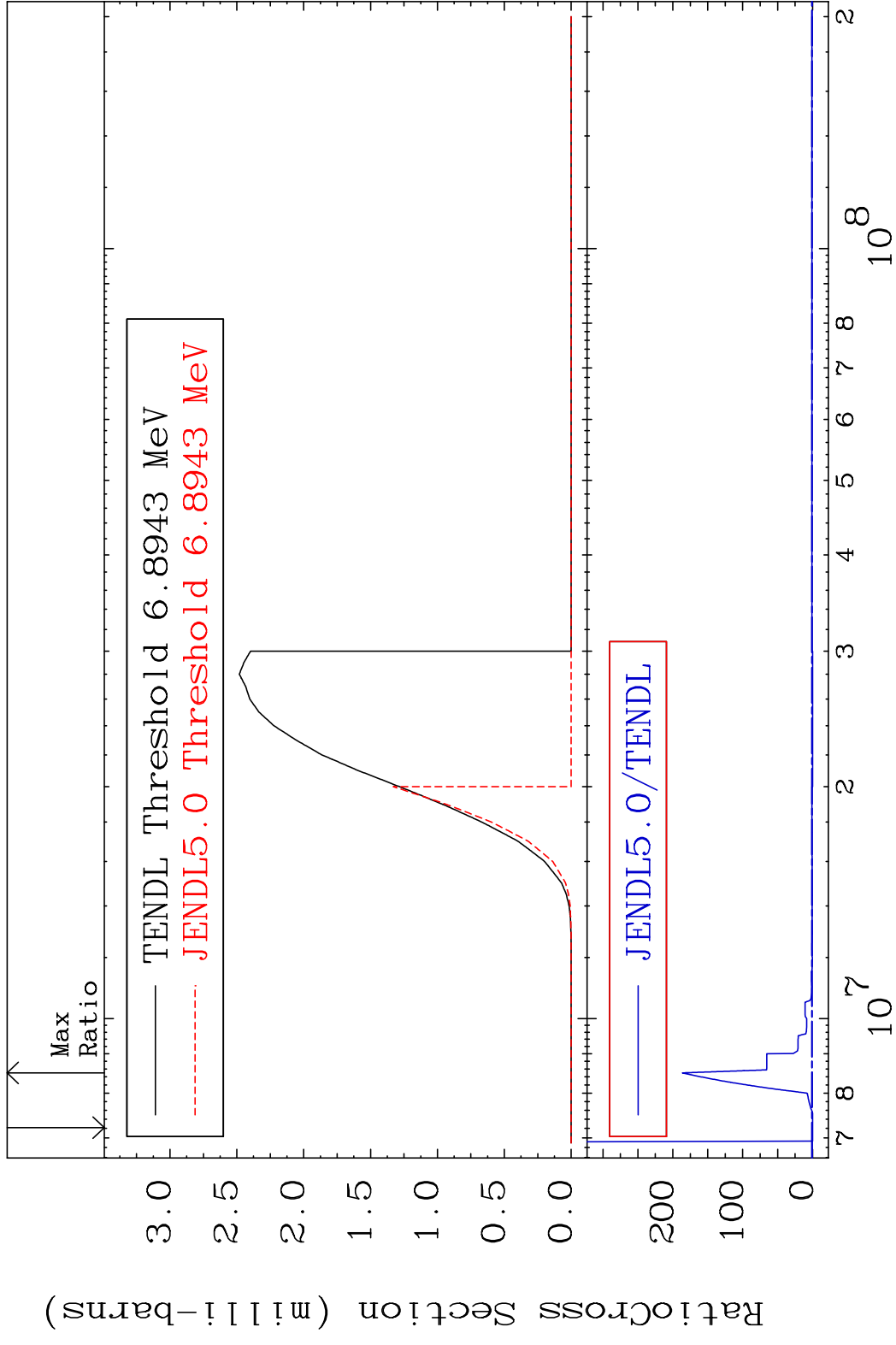




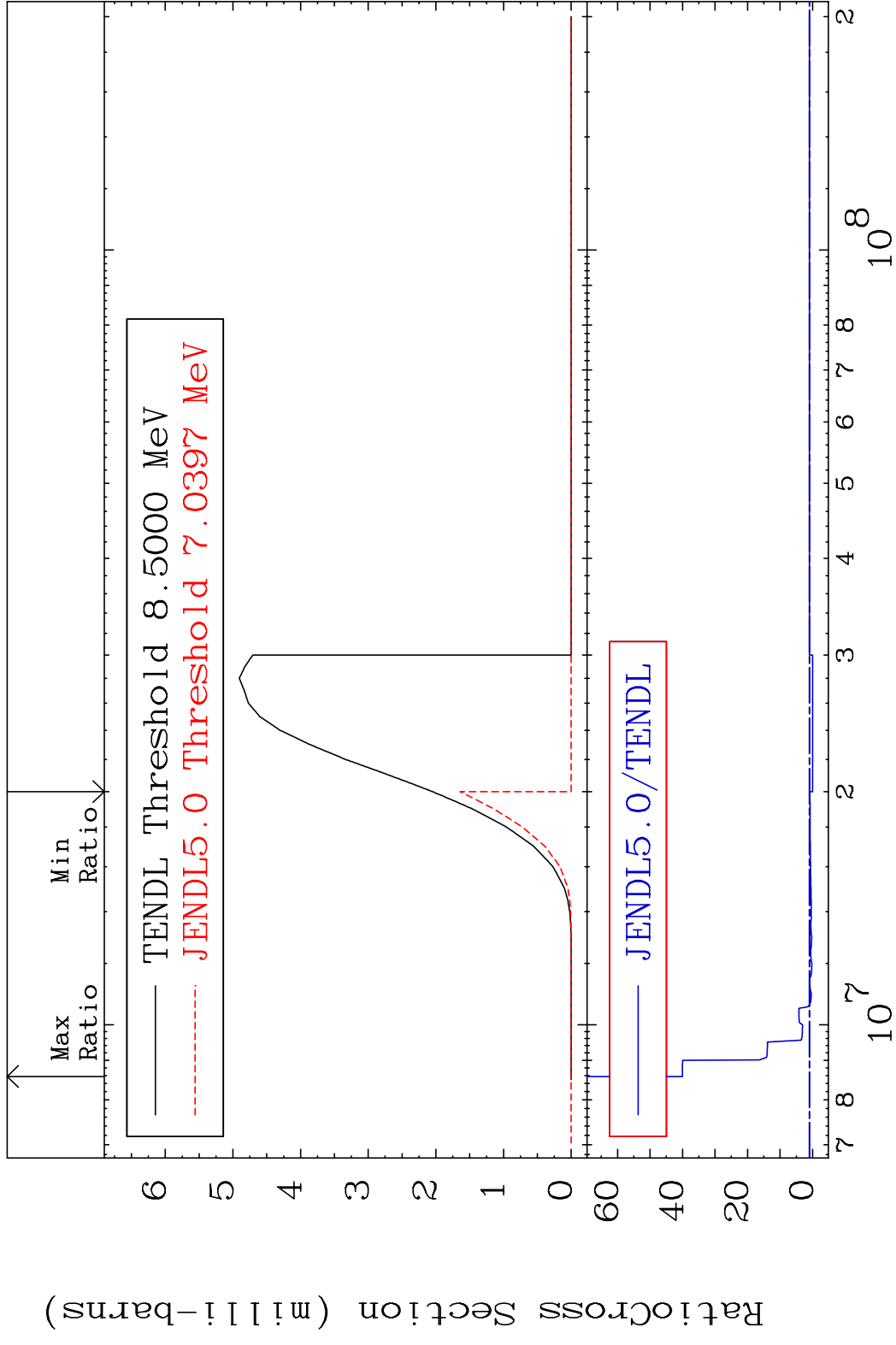


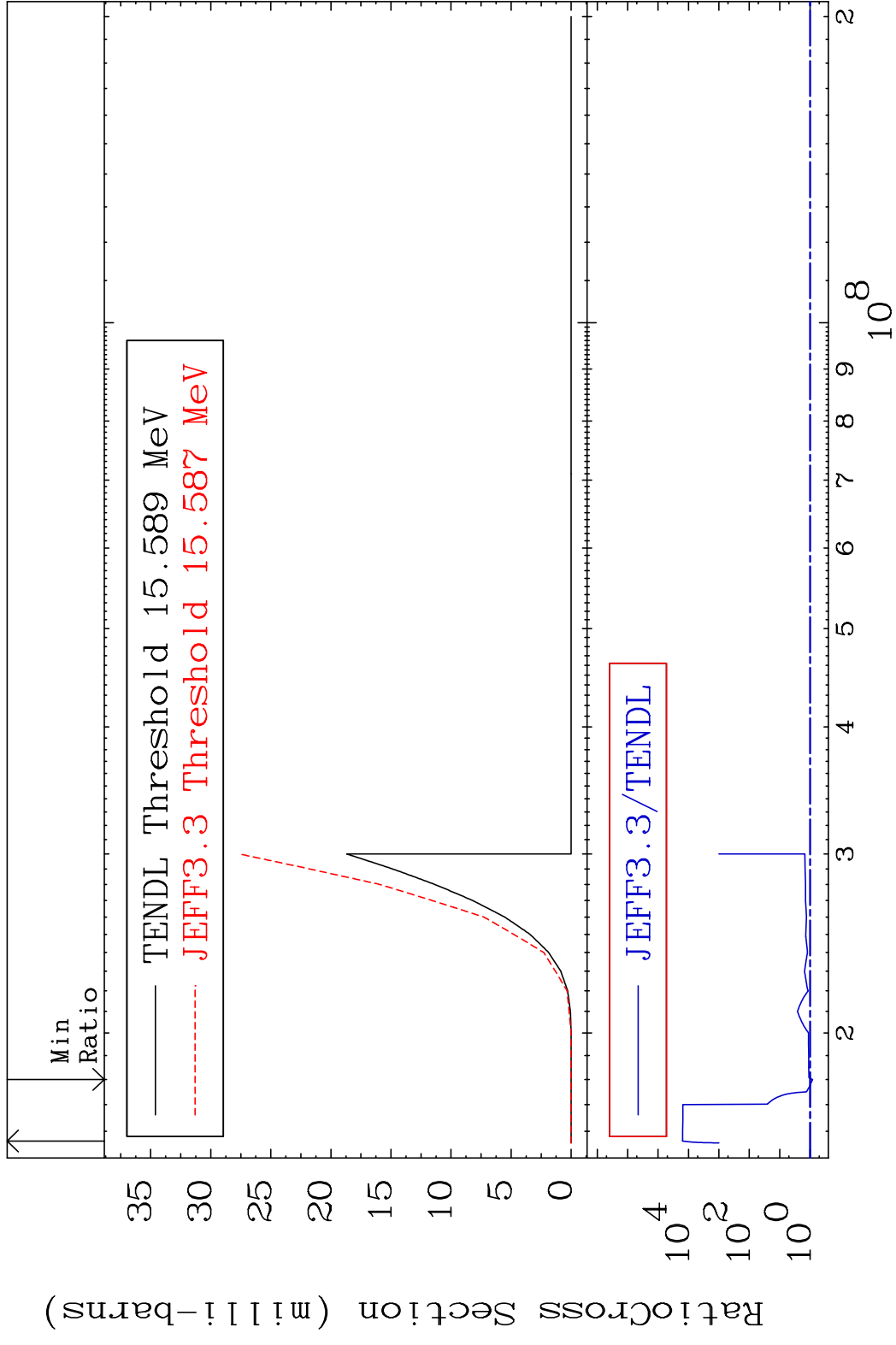




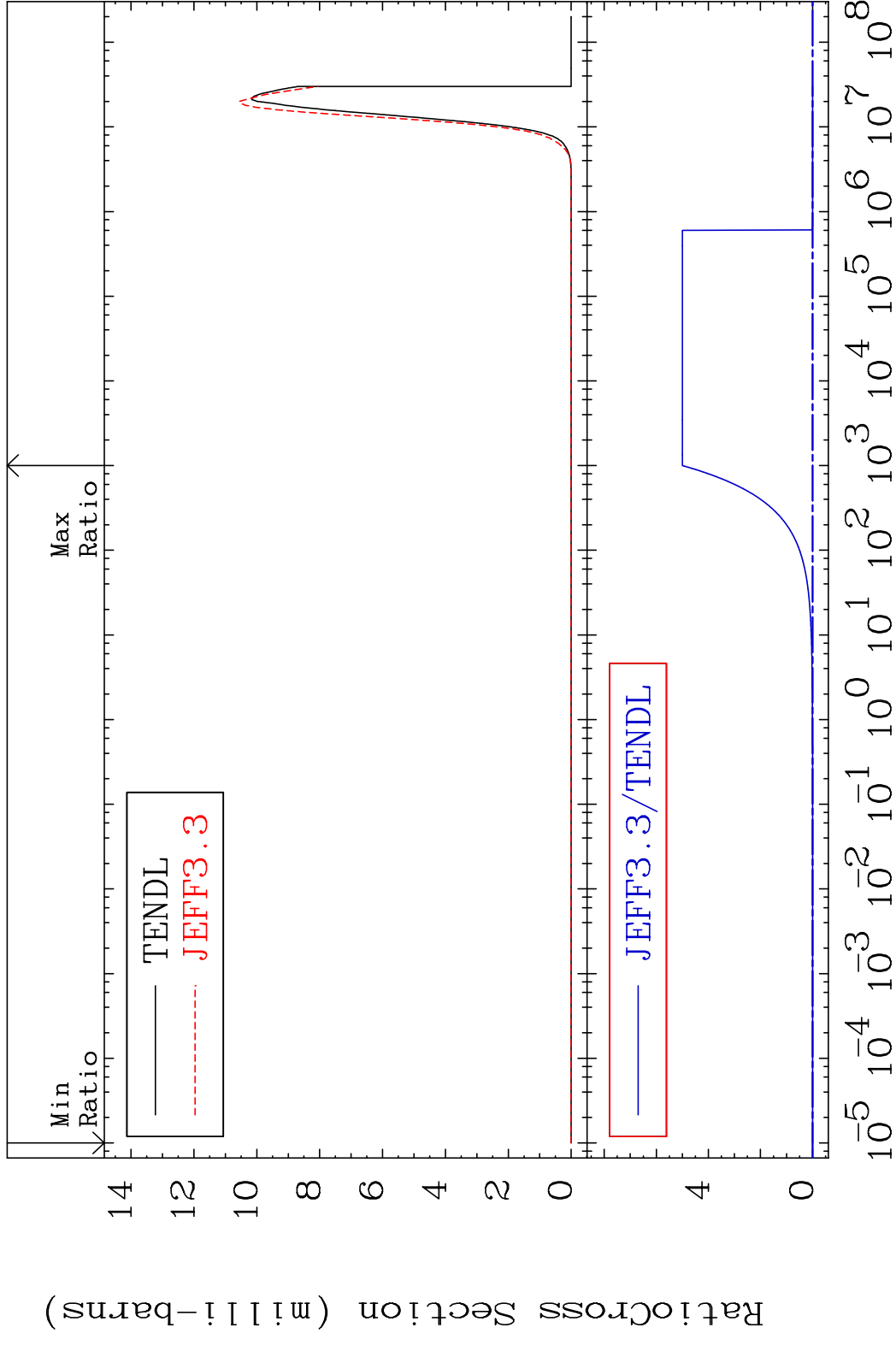


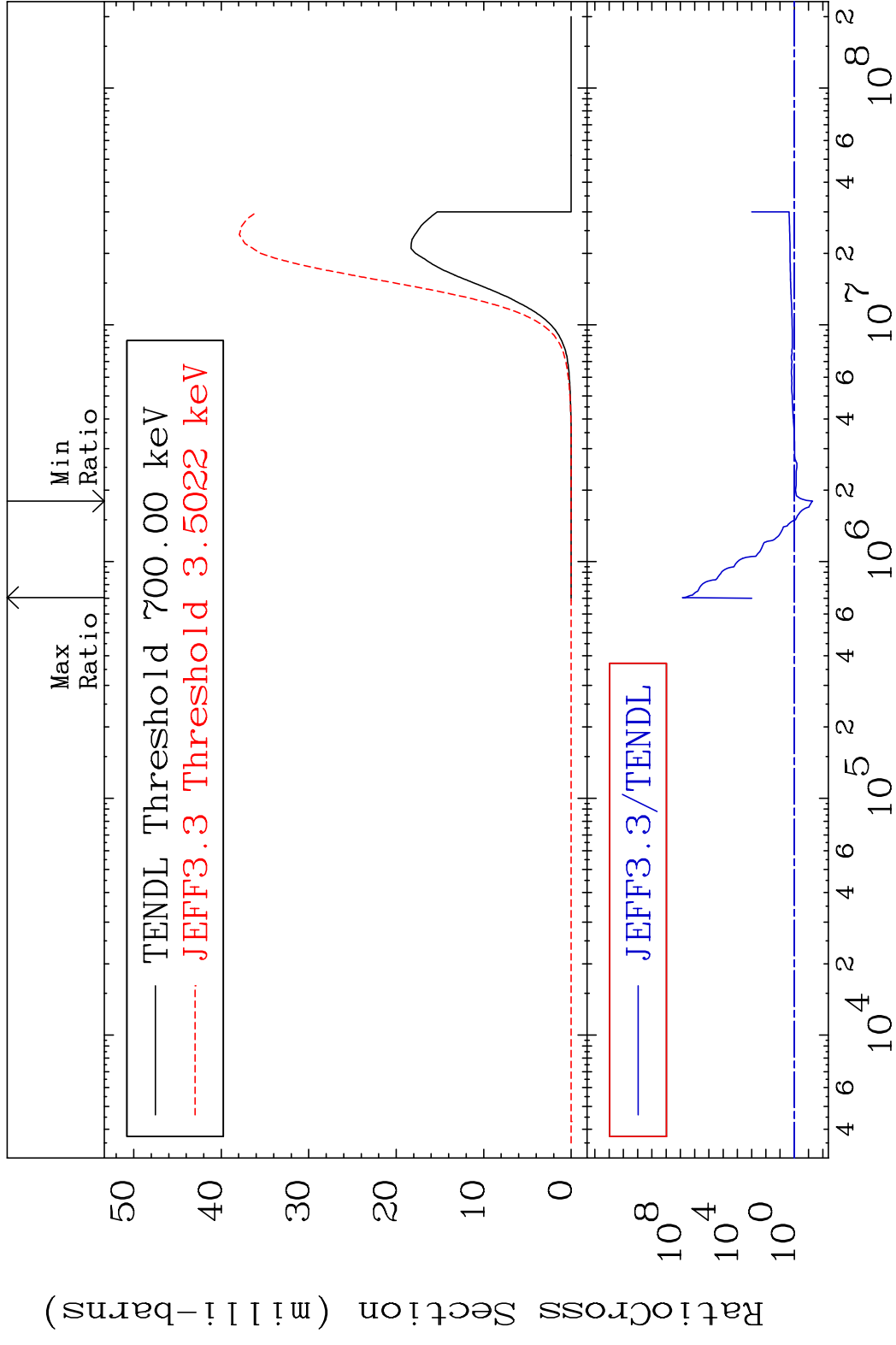
MAT 5325 (n, t):52-Te-125m2 53-I -127
 Radionuclide Production Cross Section 3906. %



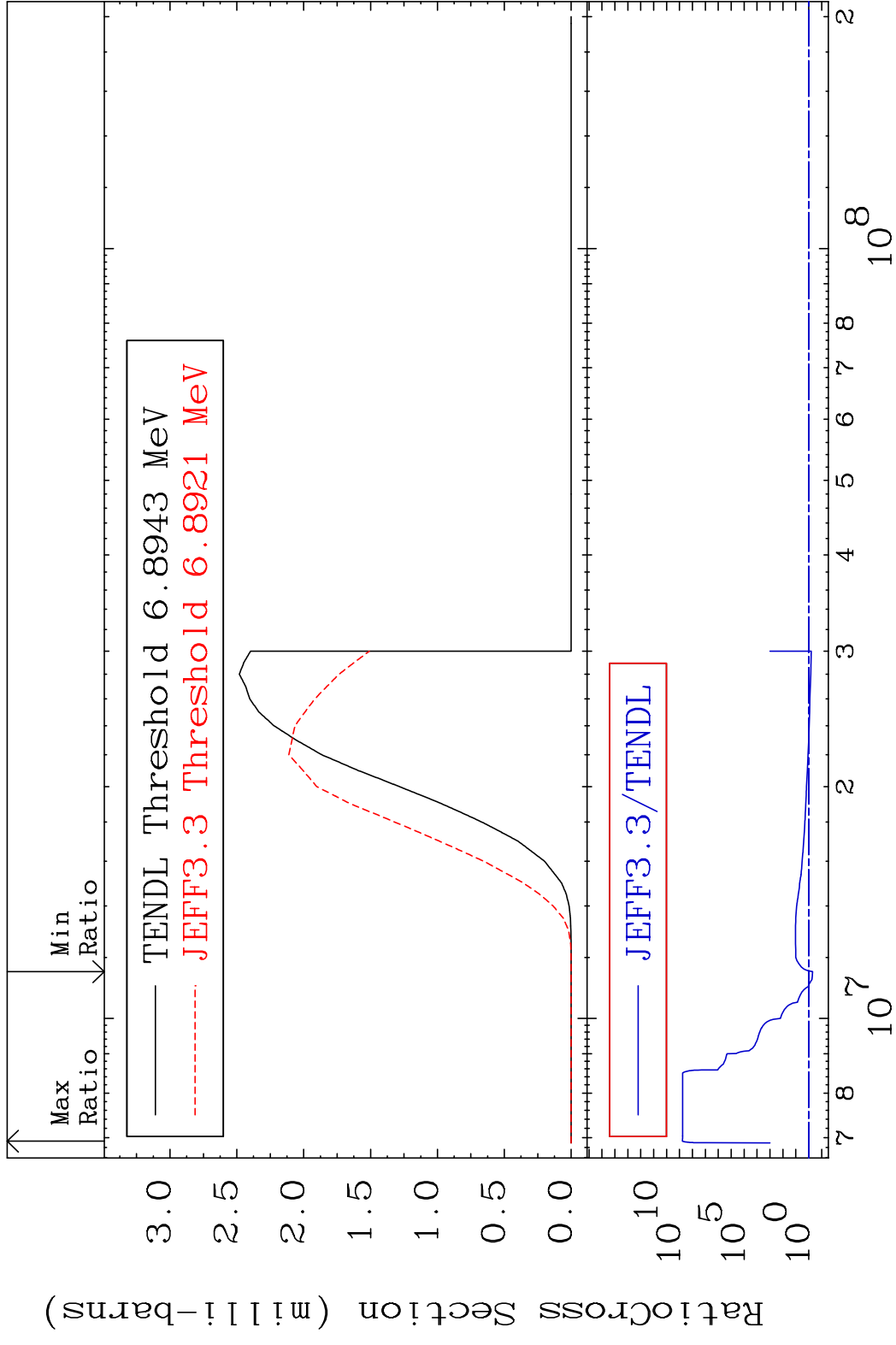


MAT 5325 (n,p):52-Te-127 53-I -127
 Radionuclide Production Cross Section Ratio 9999. %

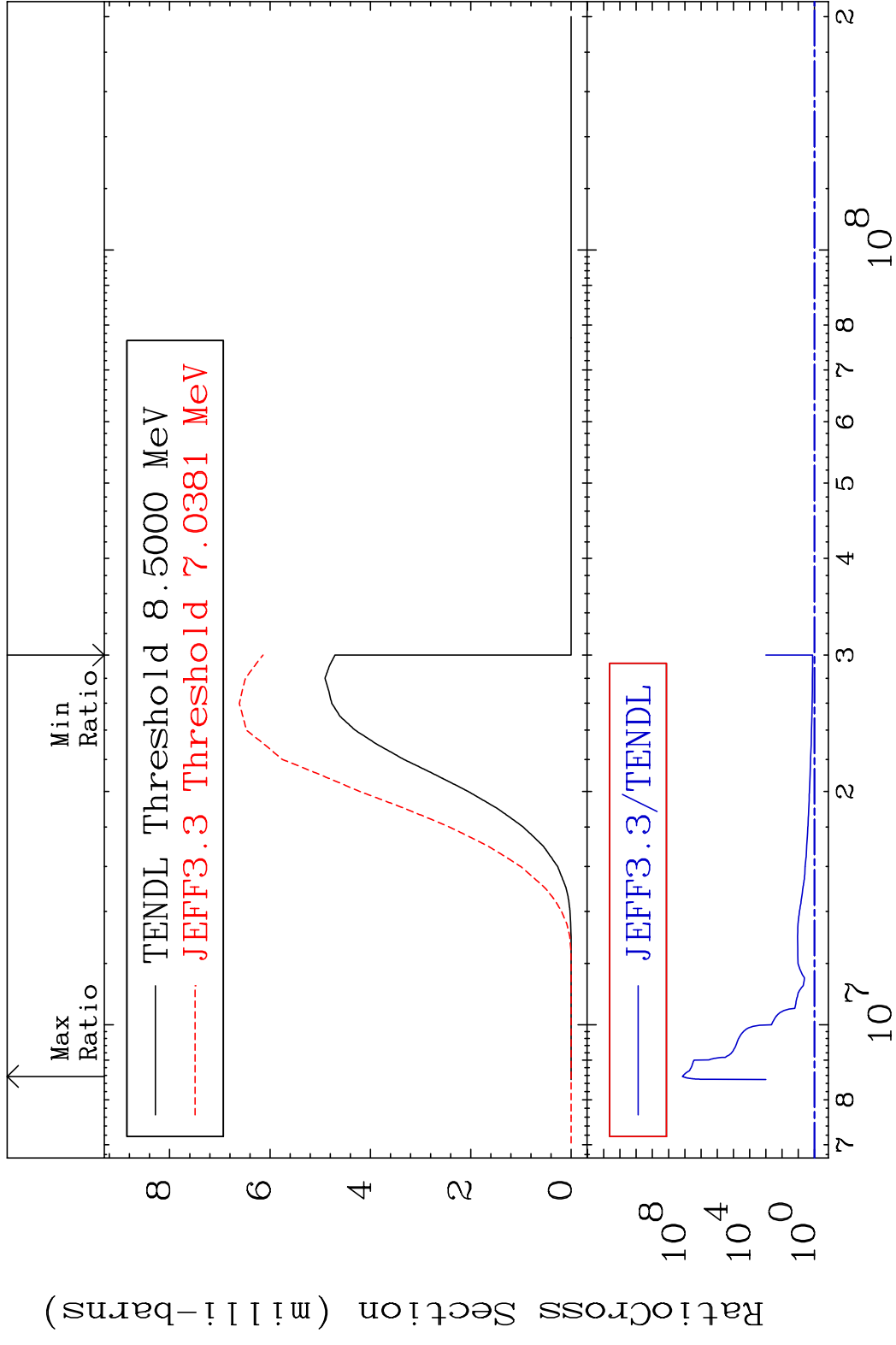




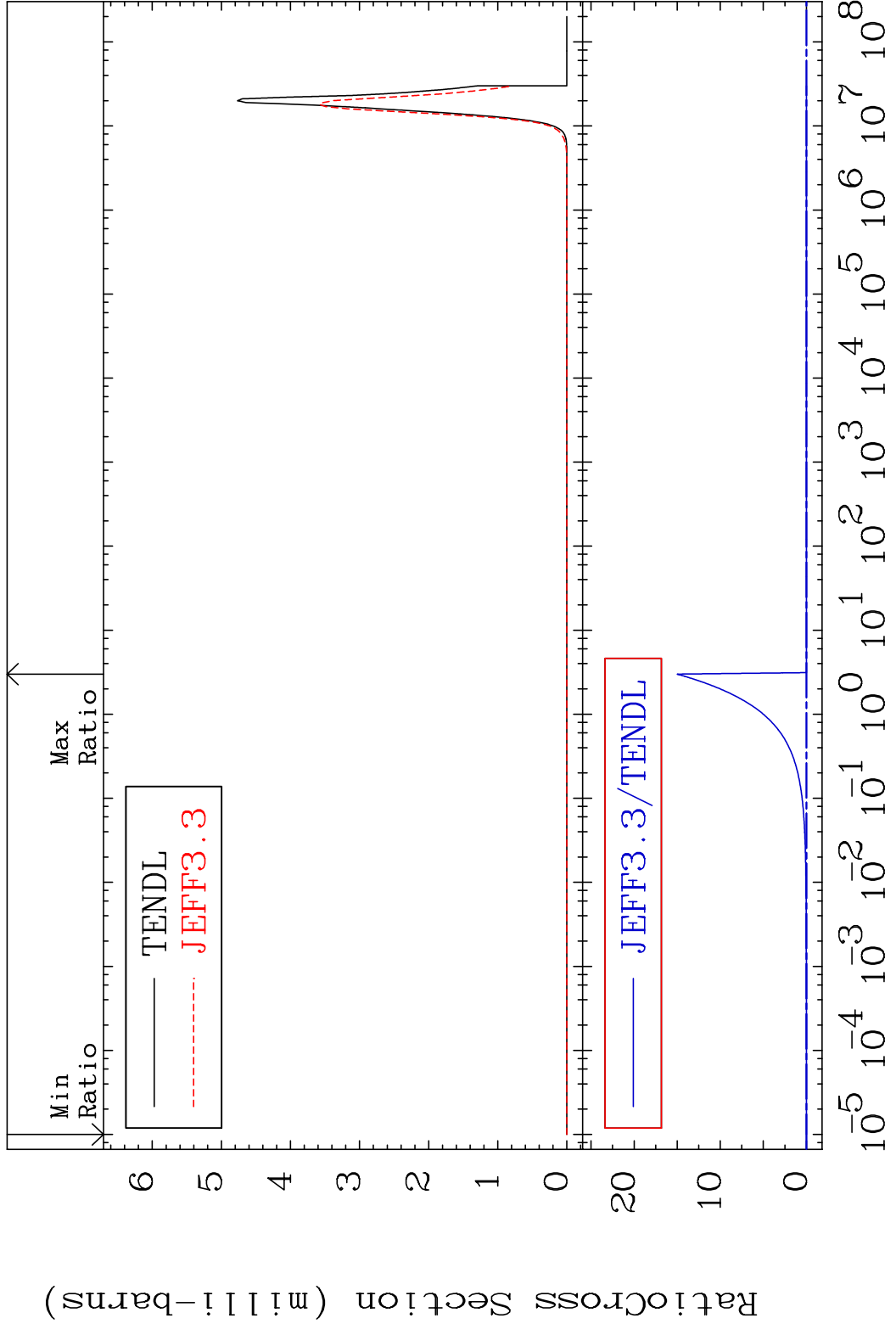
MAT 5325 (n, t):52-Te-125g 53-I -127
 Radionuclide Production Cross Section 49673 dth 9999. %



MAT 5325 (n, t):52-Te-125m2 53-I -127
 Radionuclide Production Cross Section 9999. %

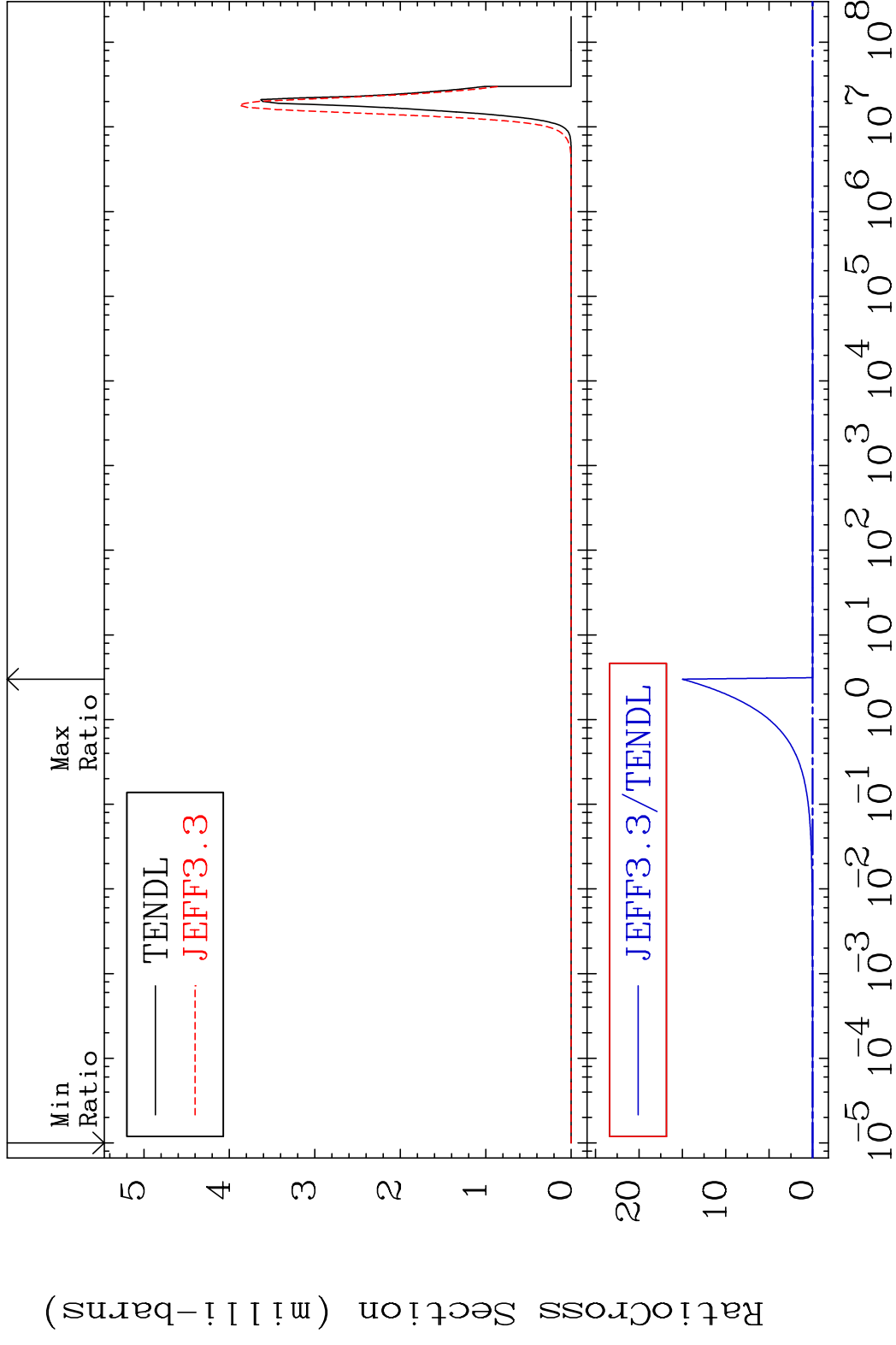


MAT 5325 (n, α):51-Sb-124g 53-I -127
 Radionuclide Production Cross Section Ratio 9999. %

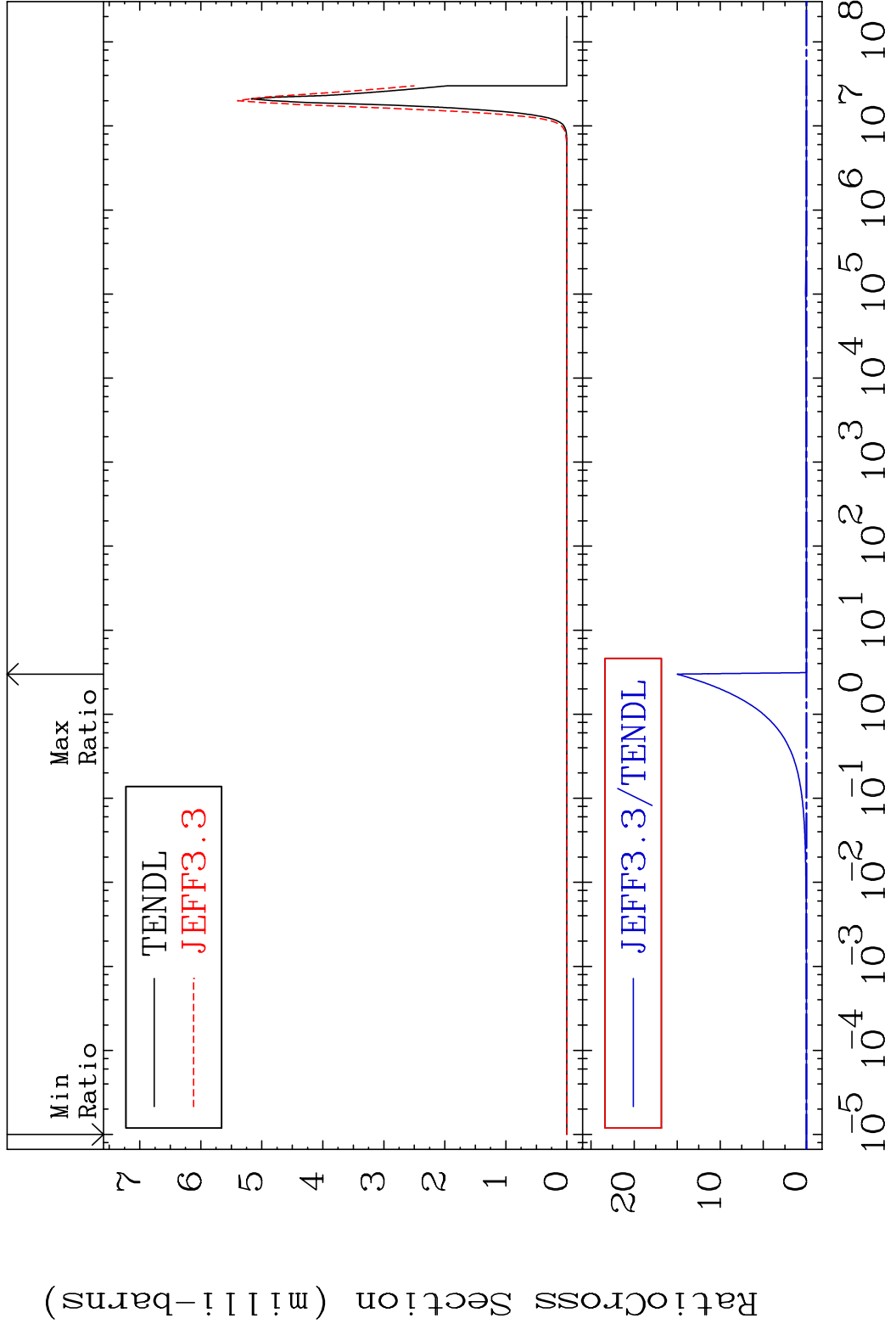


75 Incident Energy (eV) 53-I -127

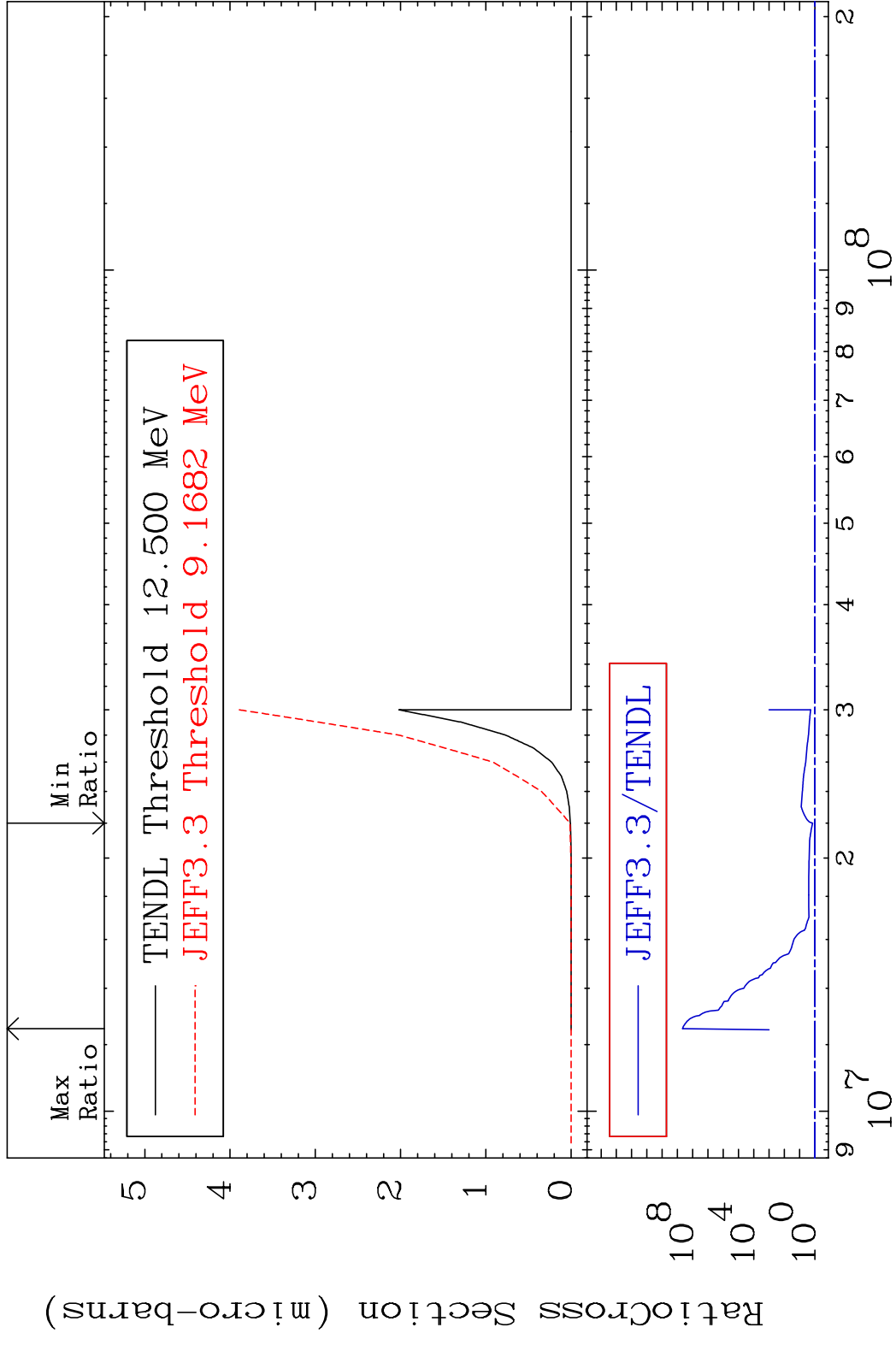
MAT 5325 (n, α):51-Sb-124m1 53-I -127
 Radionuclide Production Cross Section Ratio 9999. %

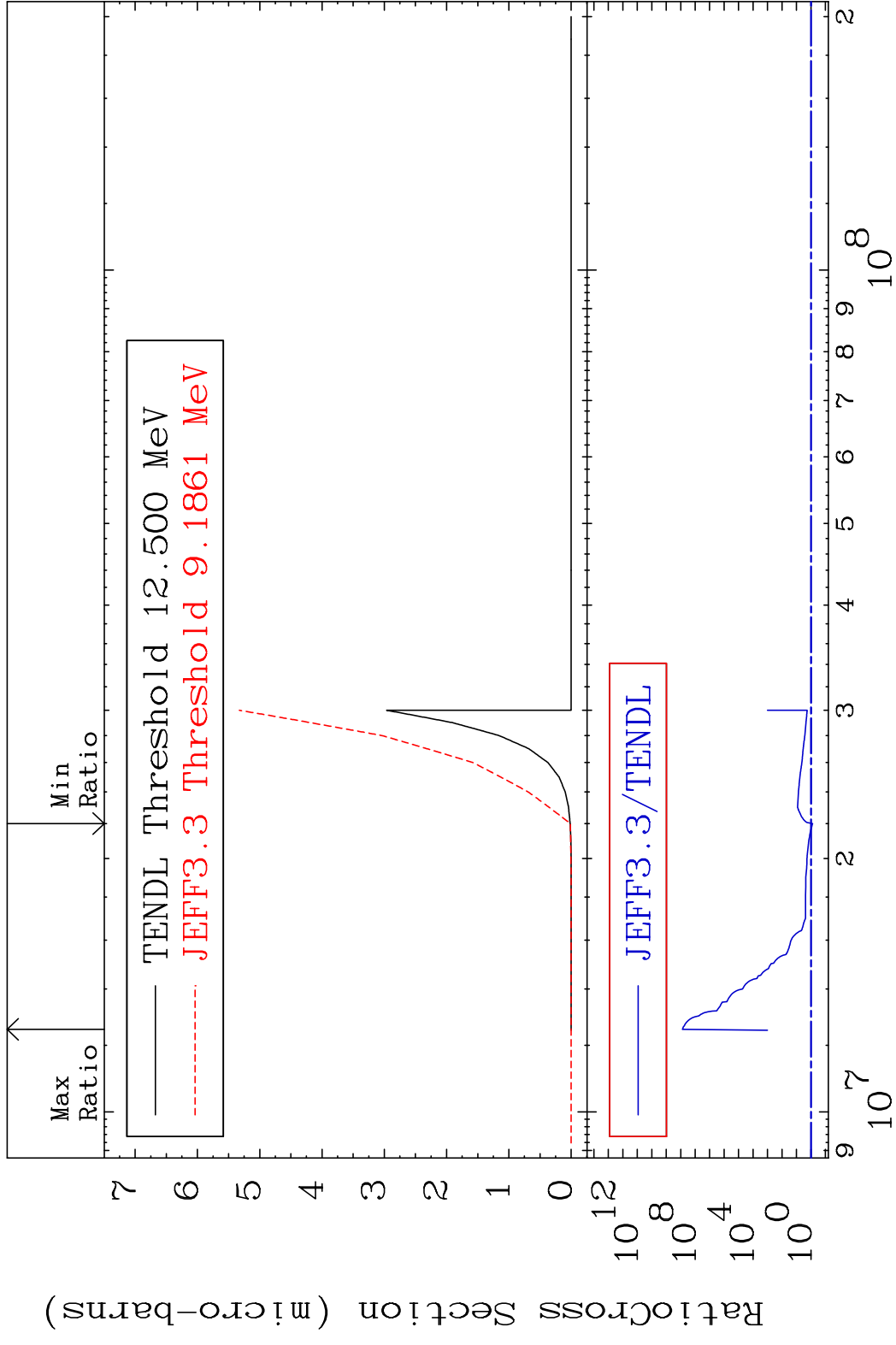


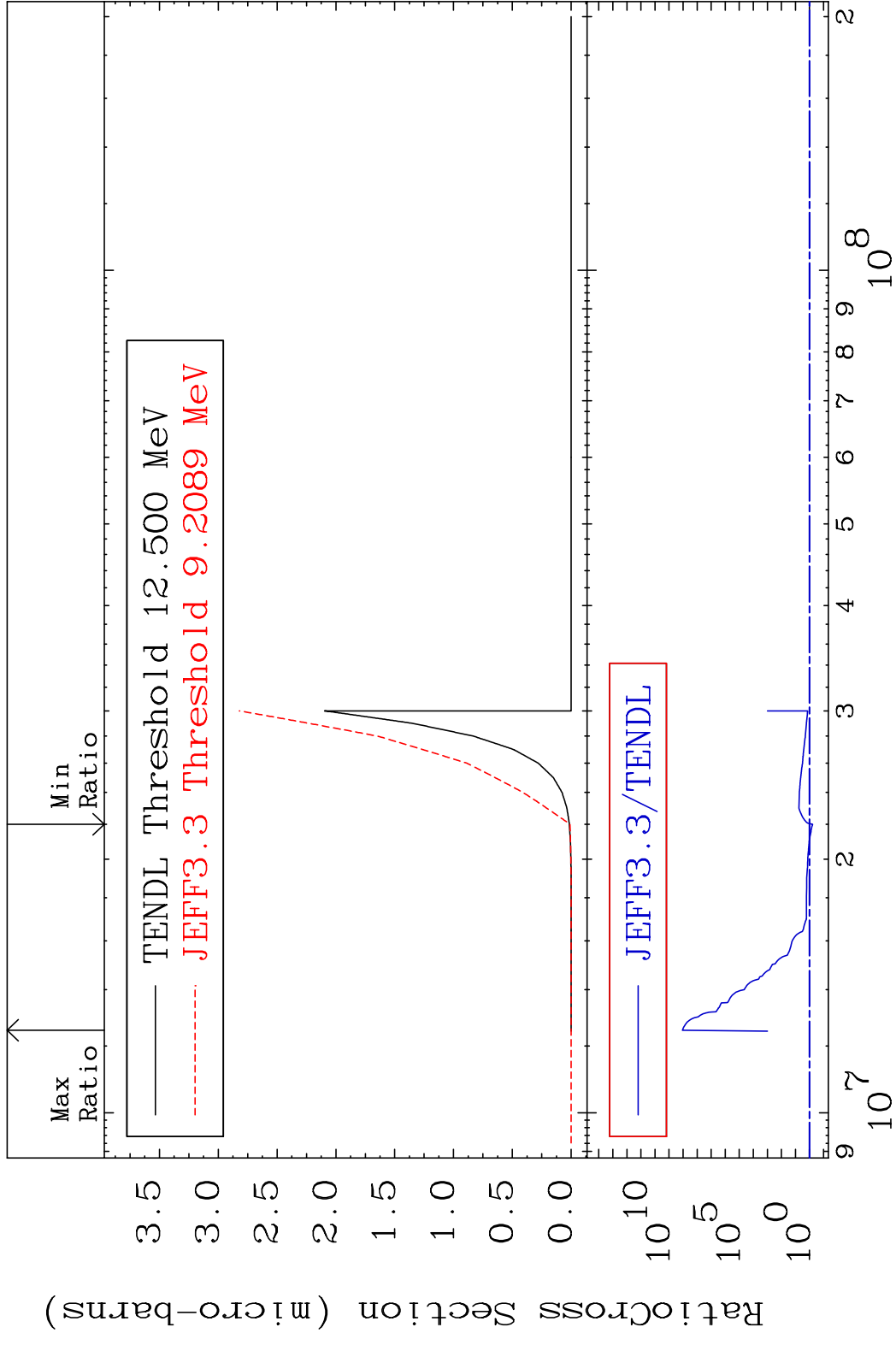
MAT 5325 (n, α):51-Sb-124m2 53-I -127
 Radionuclide Production Cross Section Ratio 9999. %



MAT 5325 (n,2p):51-Sb-126g 53-I -127
 Radionuclide Production Cross Section 9999. %







MAT 5325 (n,p) α :50-Sn-123g 53-I -127
 Radionuclide Production Cross Section 53-I -127

