

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

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

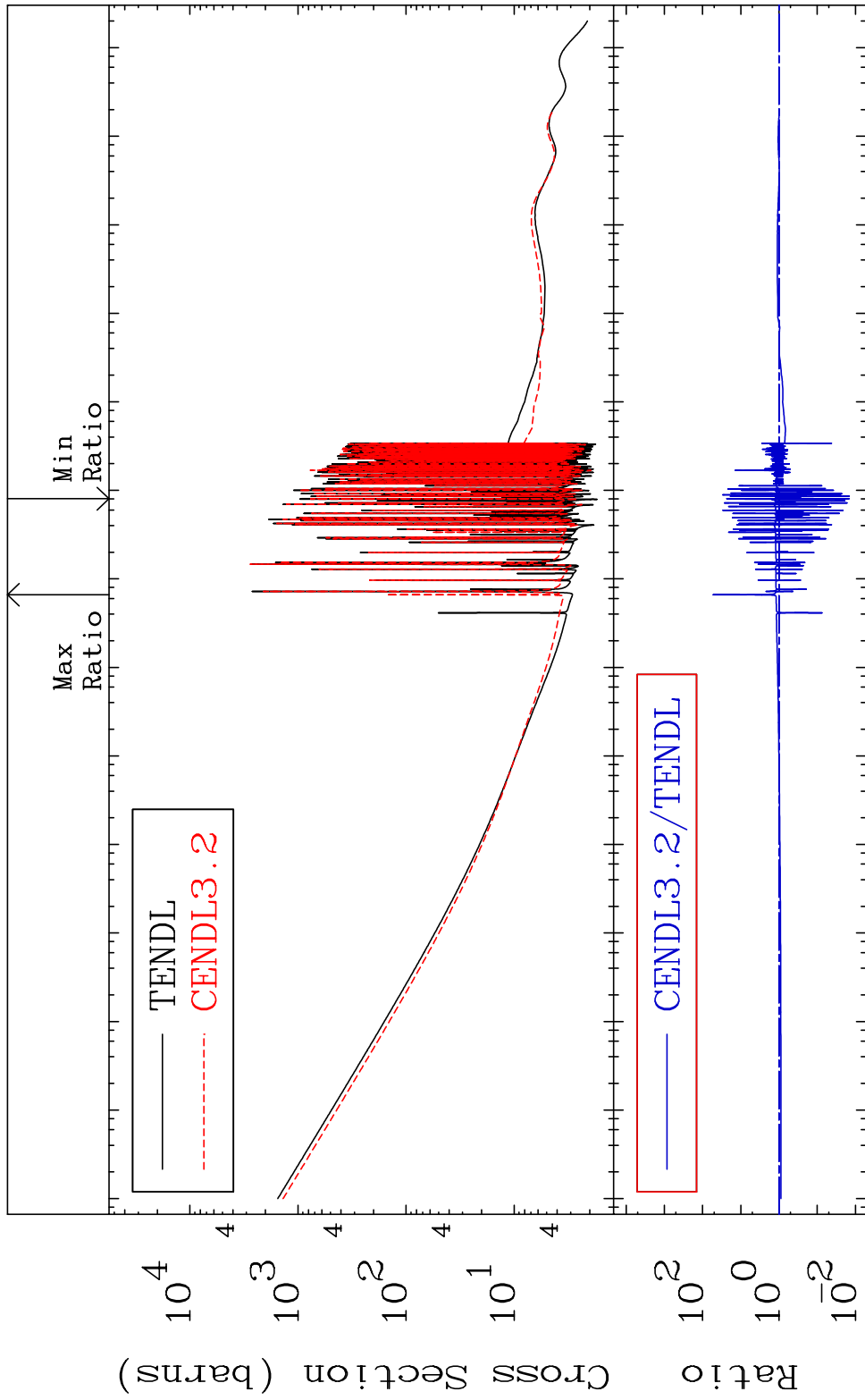
Press Mouse Button to Start

MAT 5331

Total

53-I -129

Cross Section -98.55 To 5179. %



1

Incident Energy (eV)

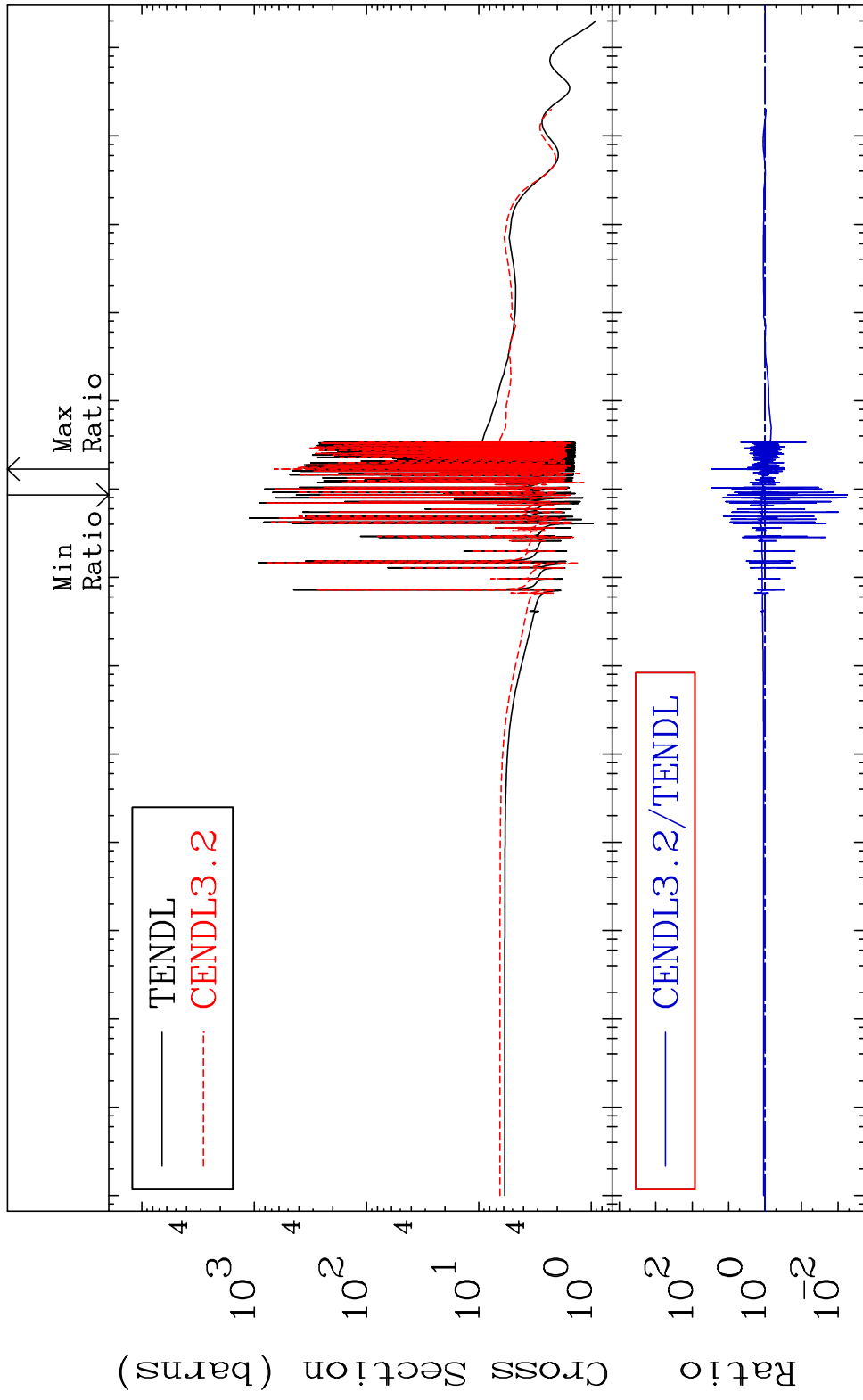
53-I -129

MAT 5331

Elastic

53-I -129

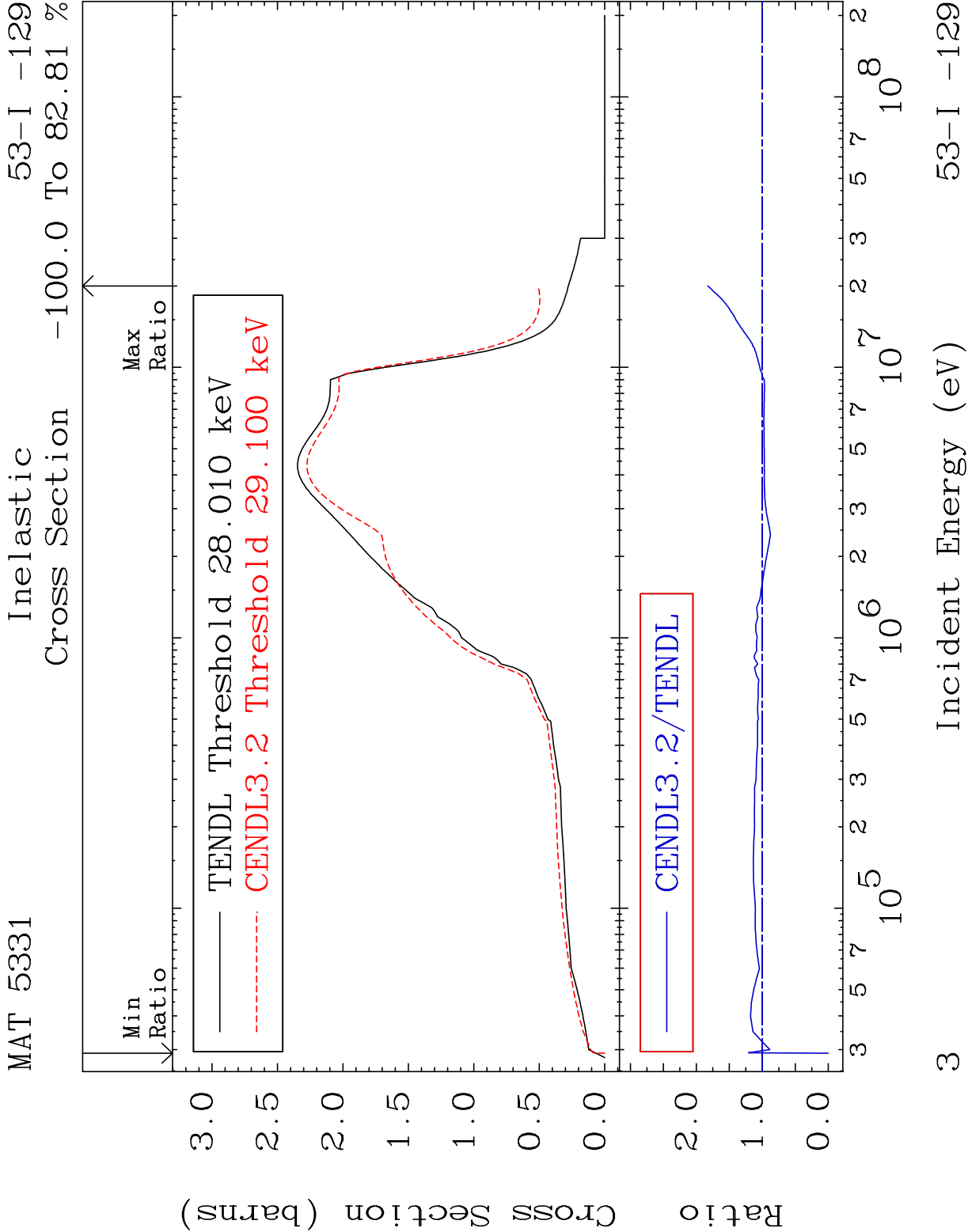
Cross Section -99.44 To 2854. %



2

Incident Energy (eV)

53-I -129

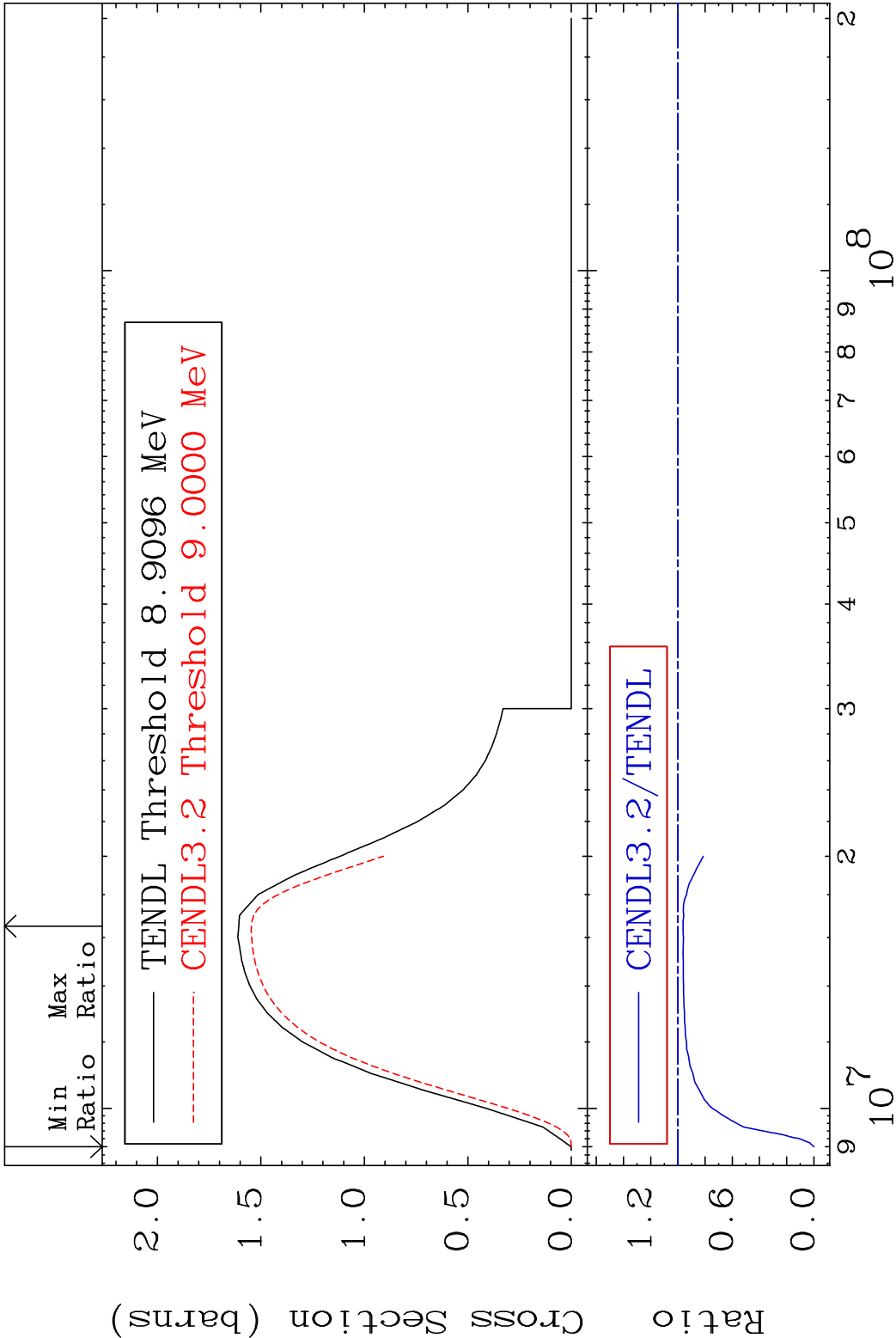


MAT 5331

(n,2n)

53-I -129

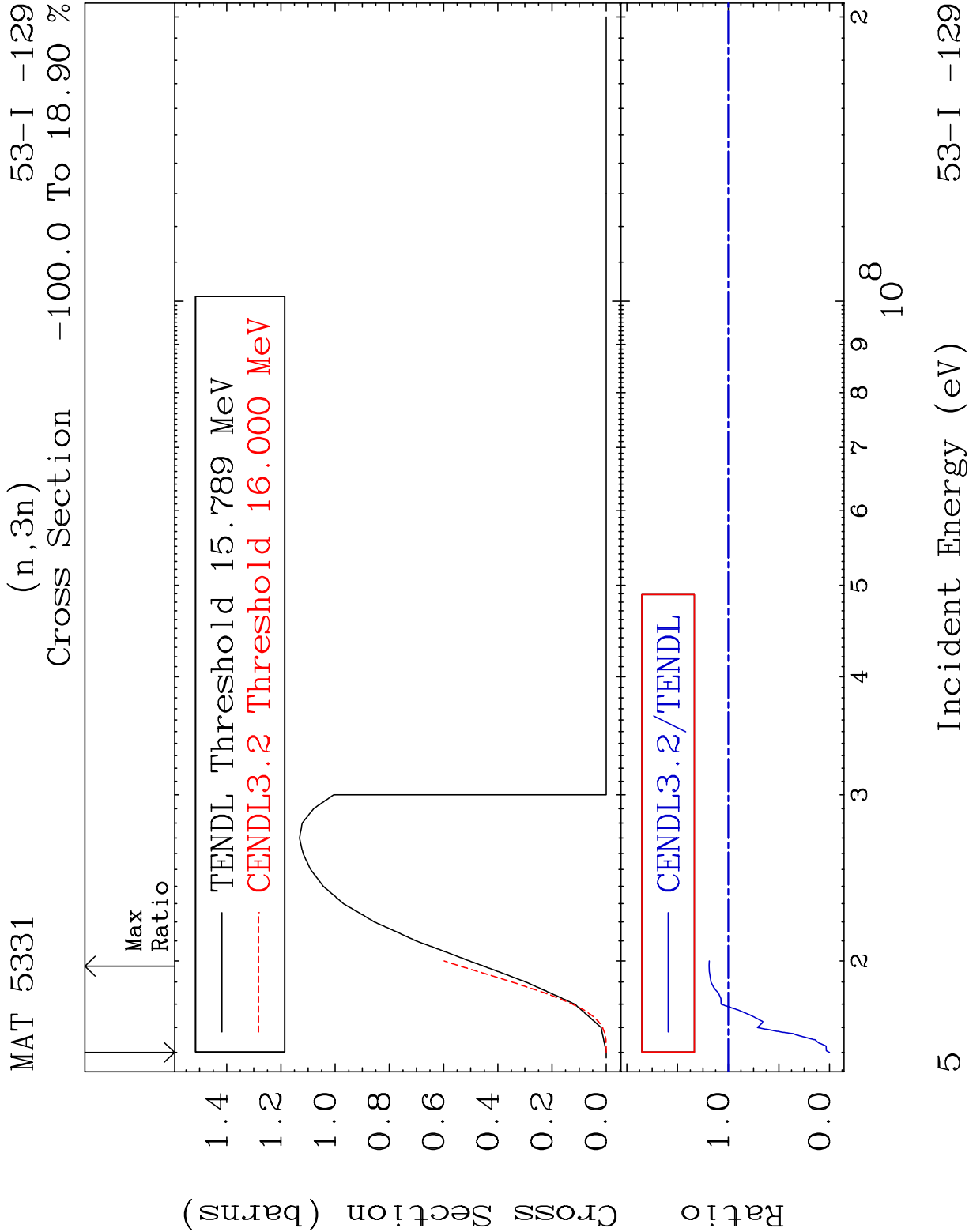
Cross Section -100.0 To -3.803%



4

Incident Energy (eV)

53-I -129

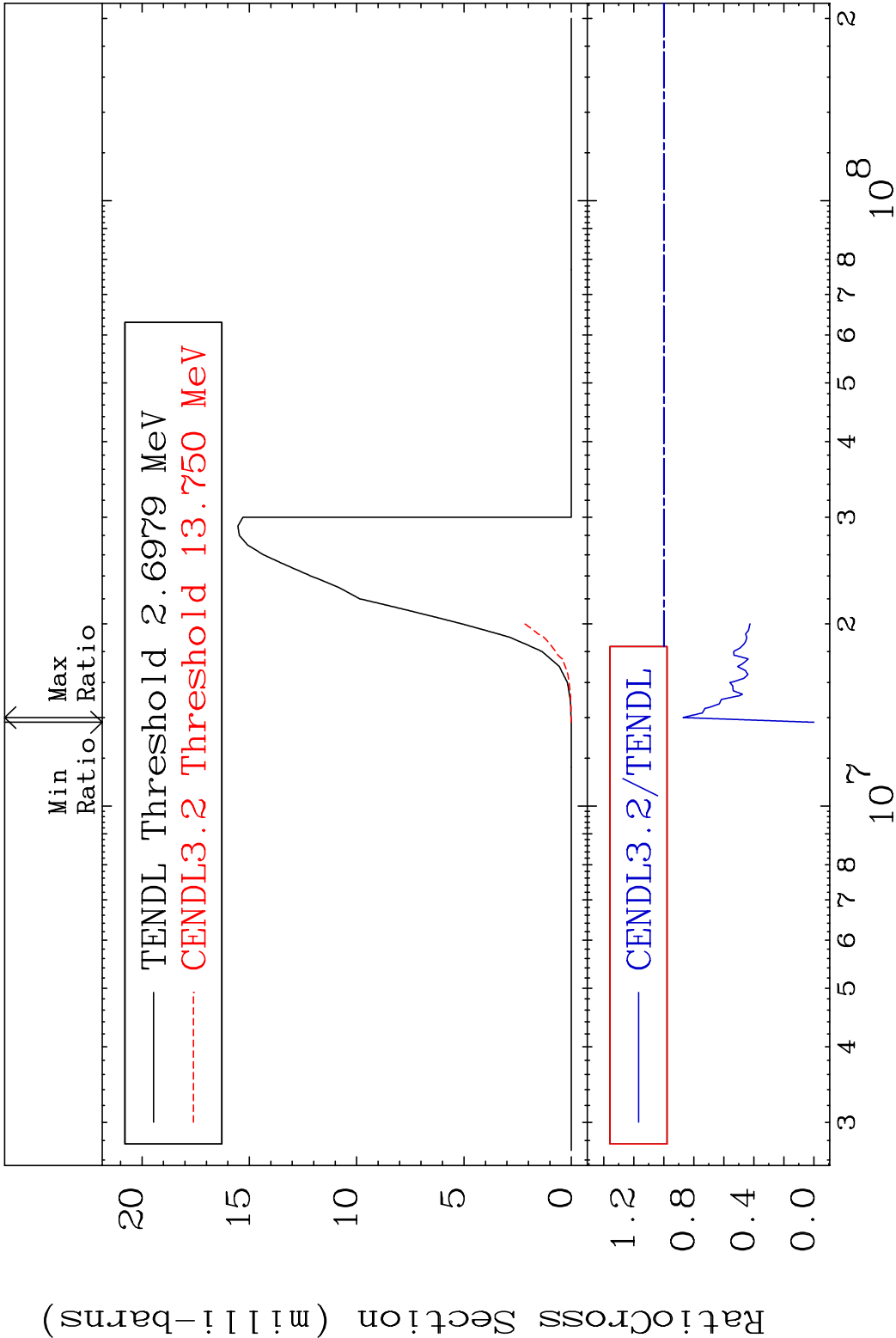


MAT 5331

(n,n') α

53-I -129

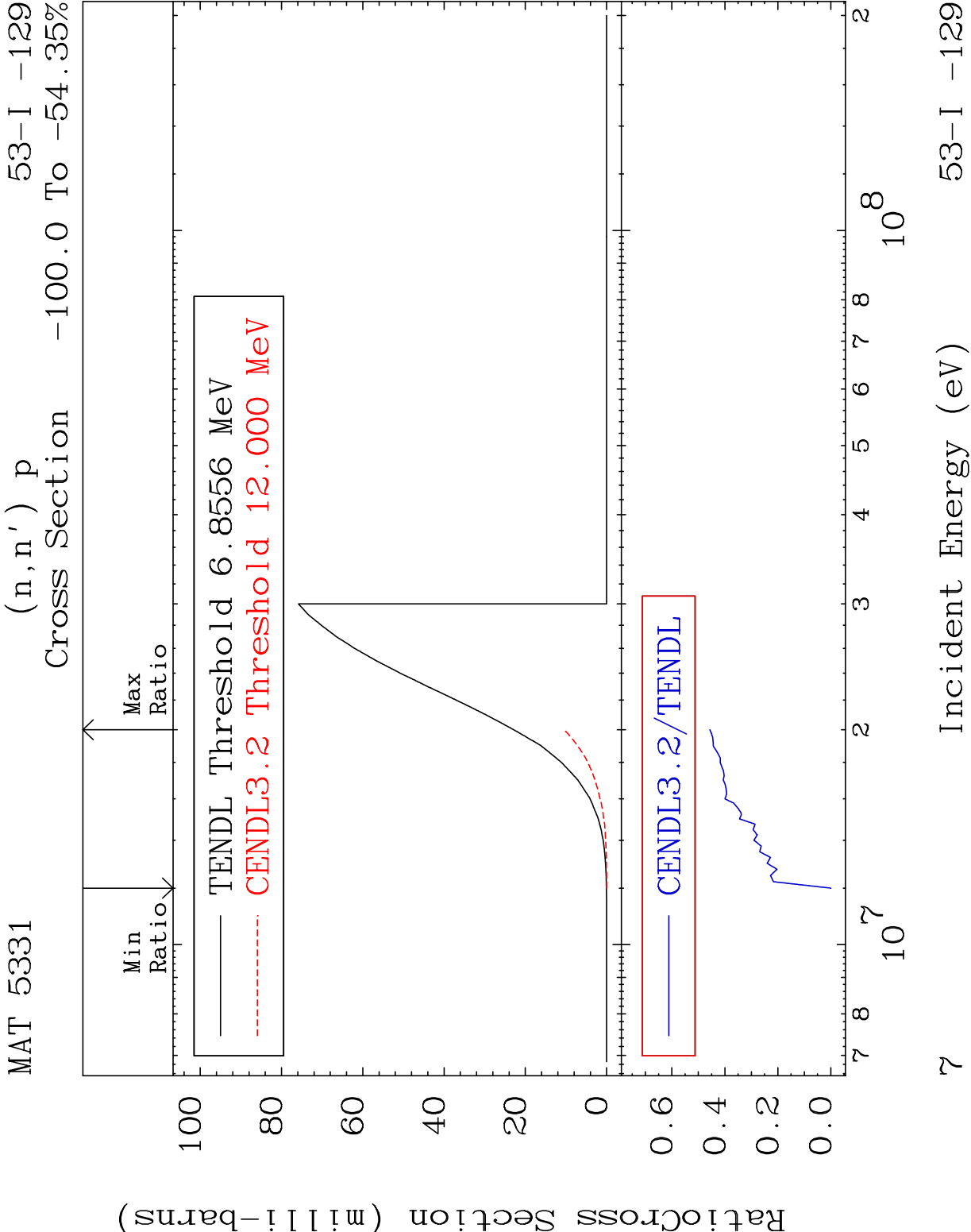
Cross Section -100.0 To -12.81%

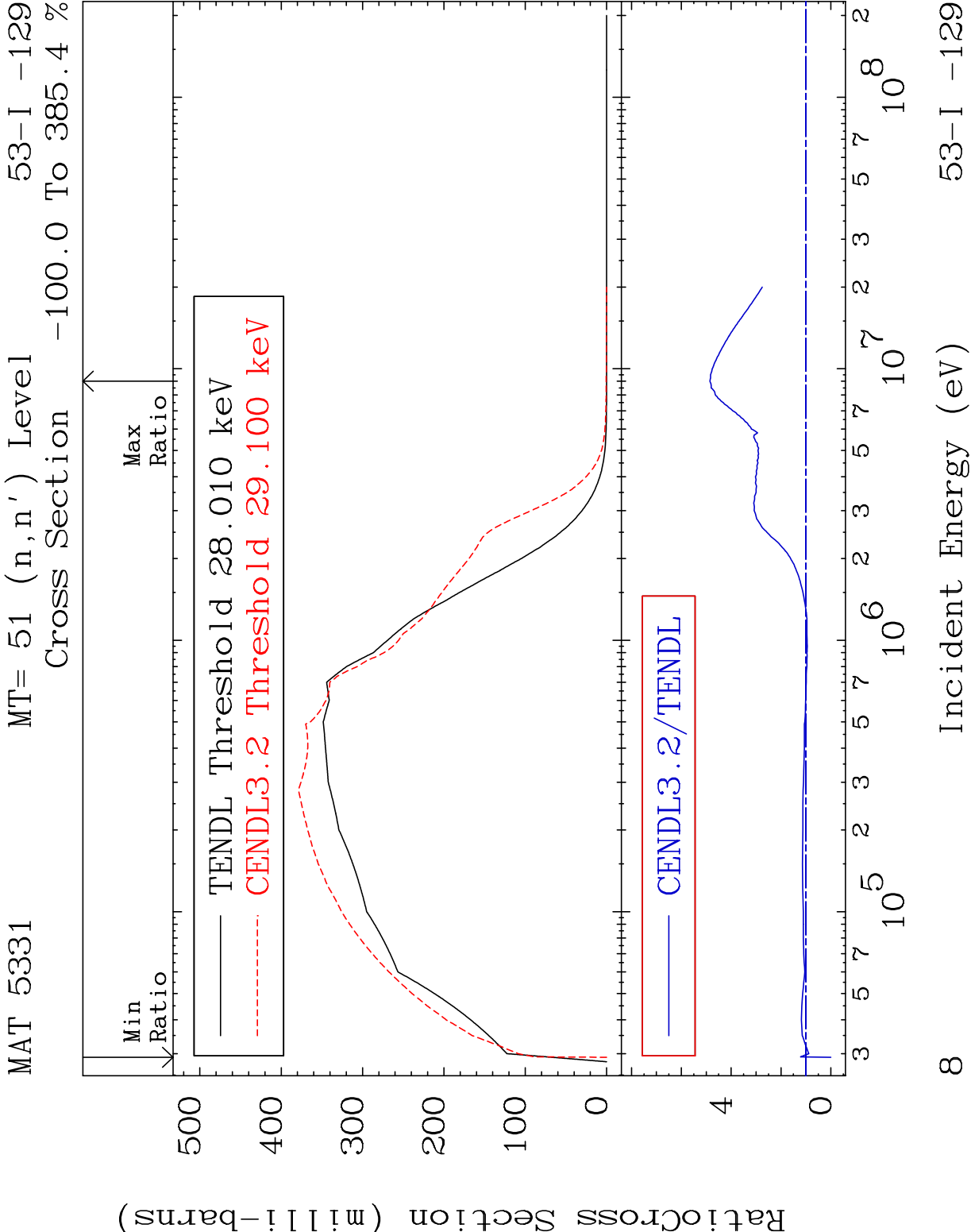


6

Incident Energy (eV)

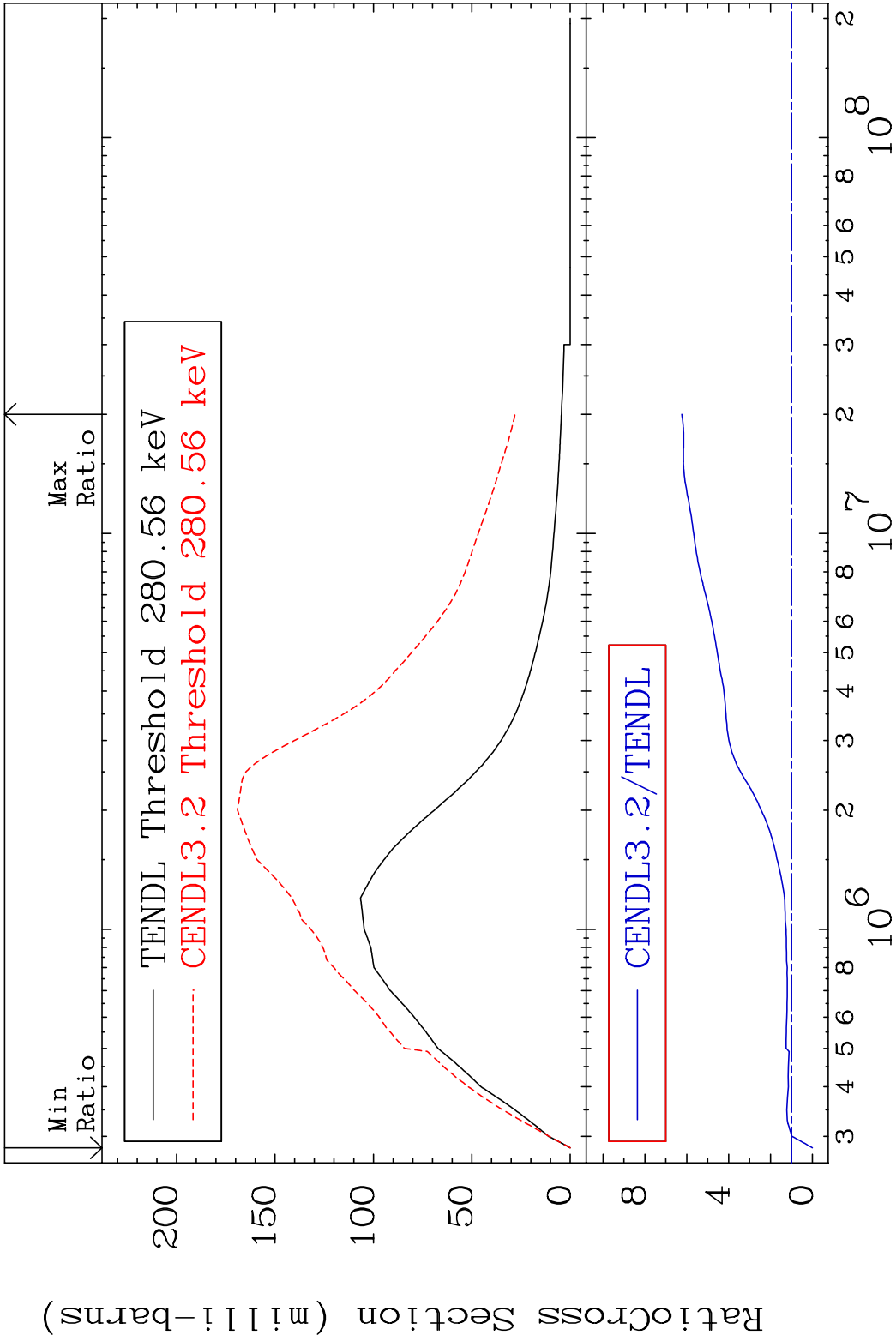
53-I -129

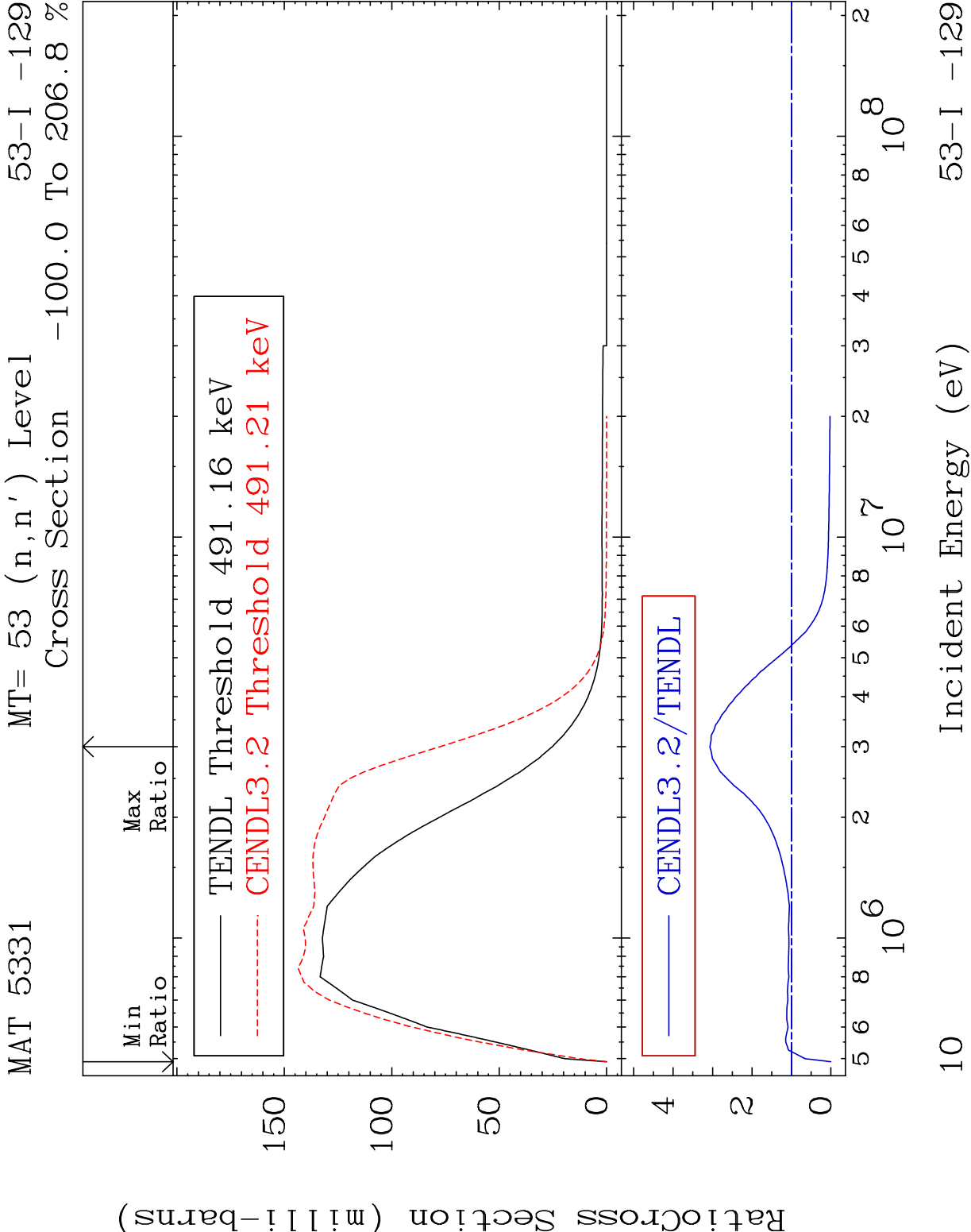




MAT 5331 MT= 52 (n,n') Level 53-I -129

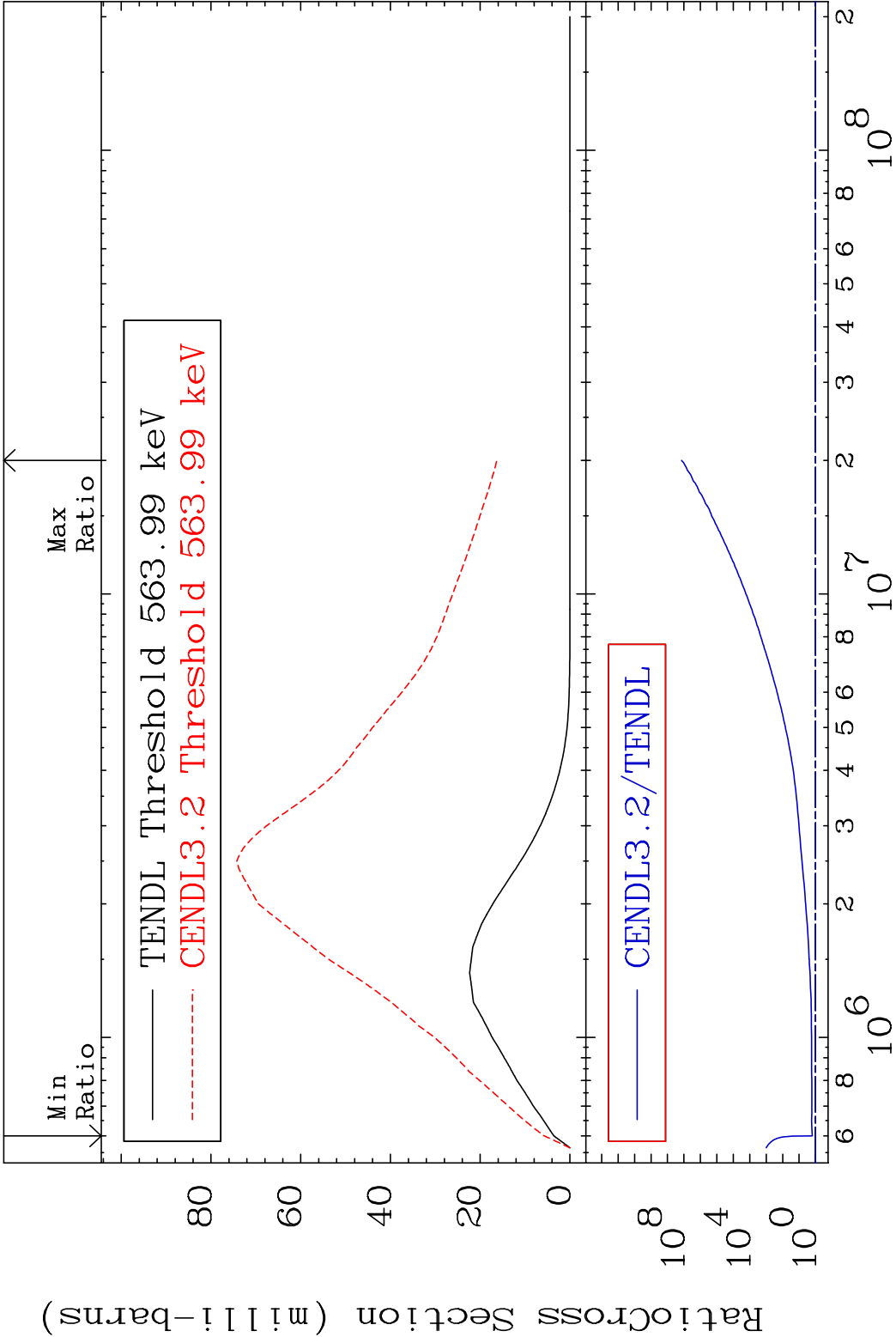
Cross Section -100.0 To 523.9 %



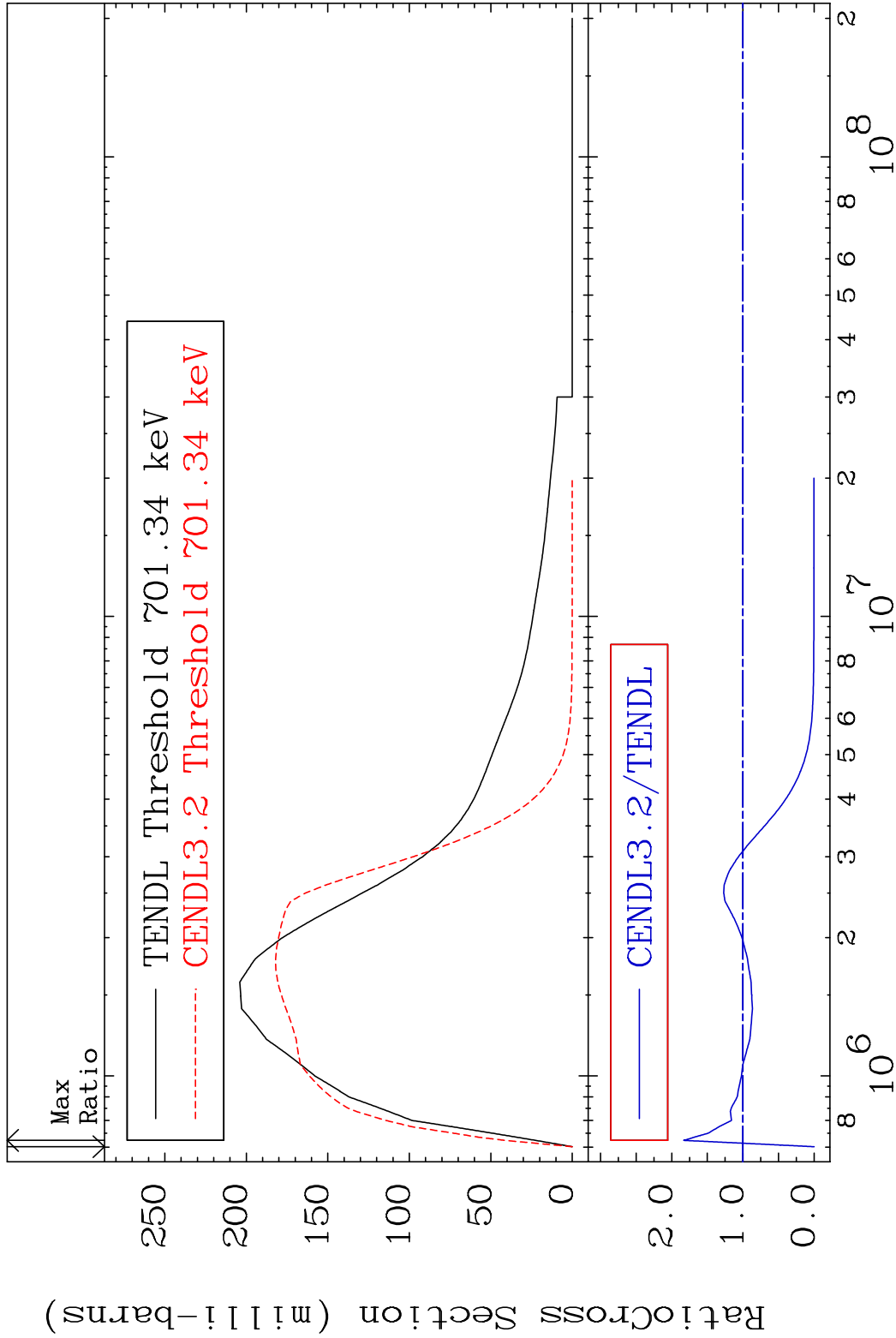


RatioCross Section (milli-barns)

MAT 5331	MT= 54 (n,n')	Level	53-I -129
	Cross Section	59.61	To 9999. %

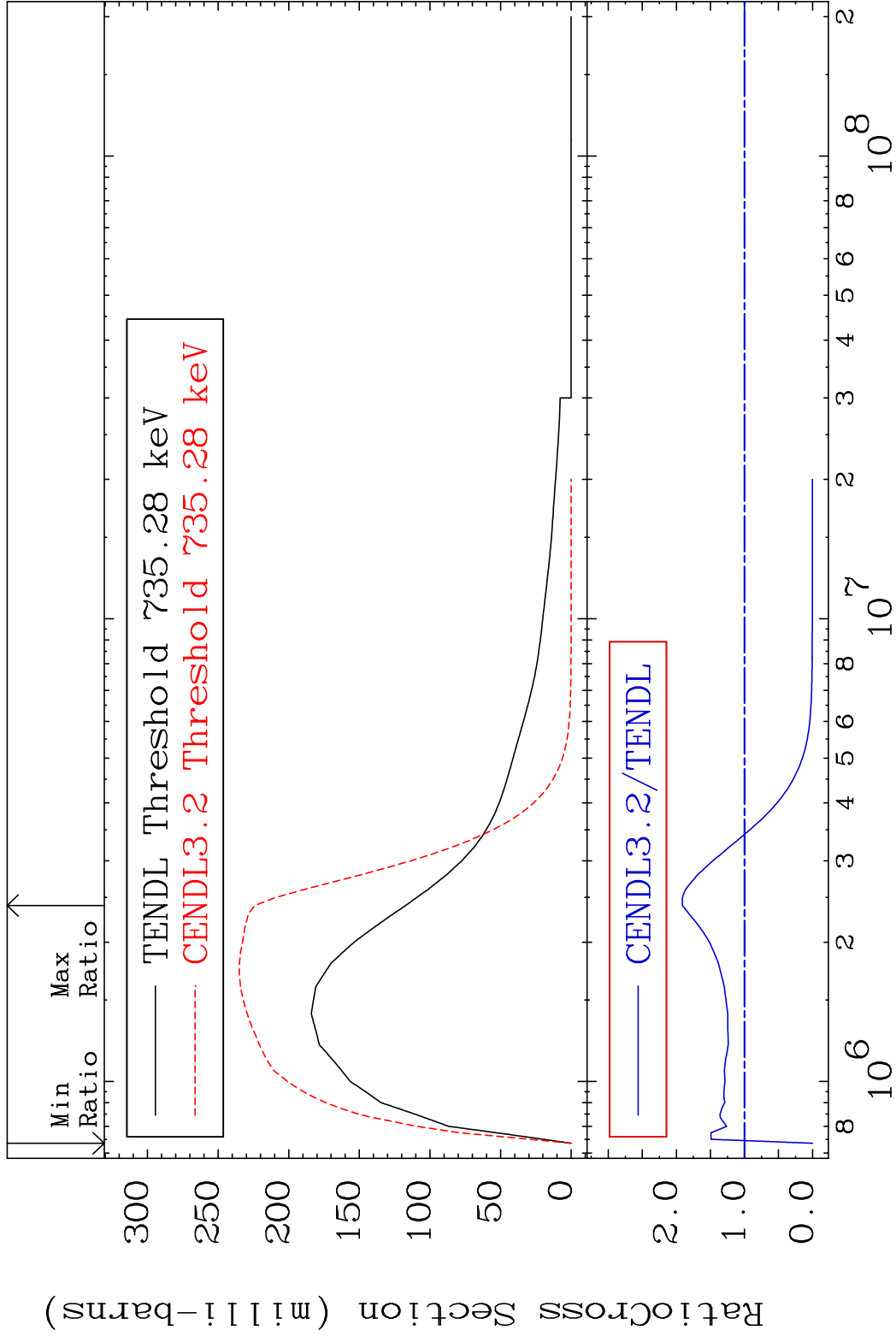


MAT 5331 MT= 55 (n,n') Level 53-I -129
Cross Section -100.0 To 83.27 %



12 Incident Energy (eV) 53-I -129

MAT 5331 MT= 56 (n,n') Level 53-I -129
Cross Section -100.0 To 91.21 %



13 Incident Energy (eV) 53-I -129

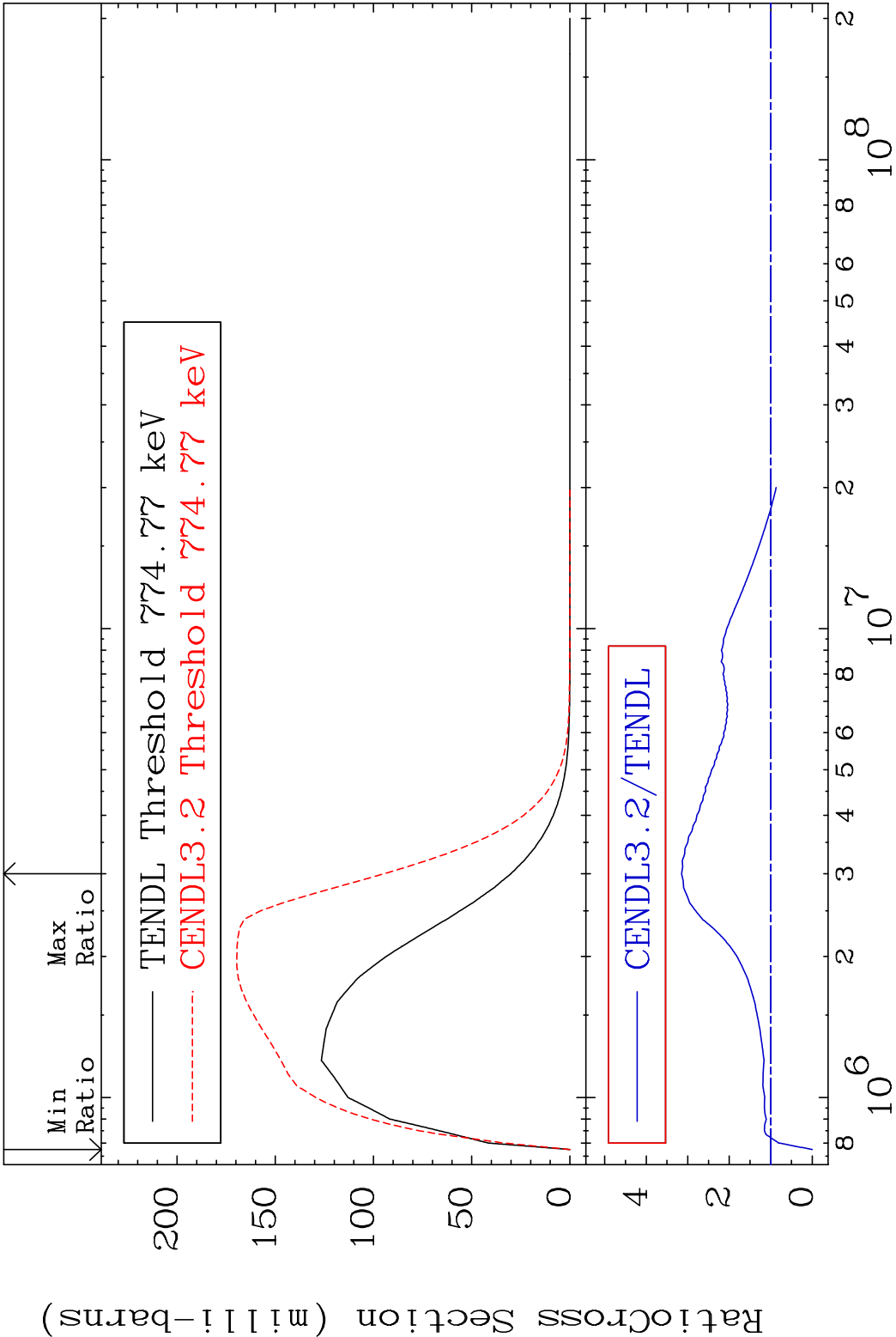
MAT 5331

MT= 57 (n,n') Level

53-I -129

Cross Section

-100.0 To 215.0 %



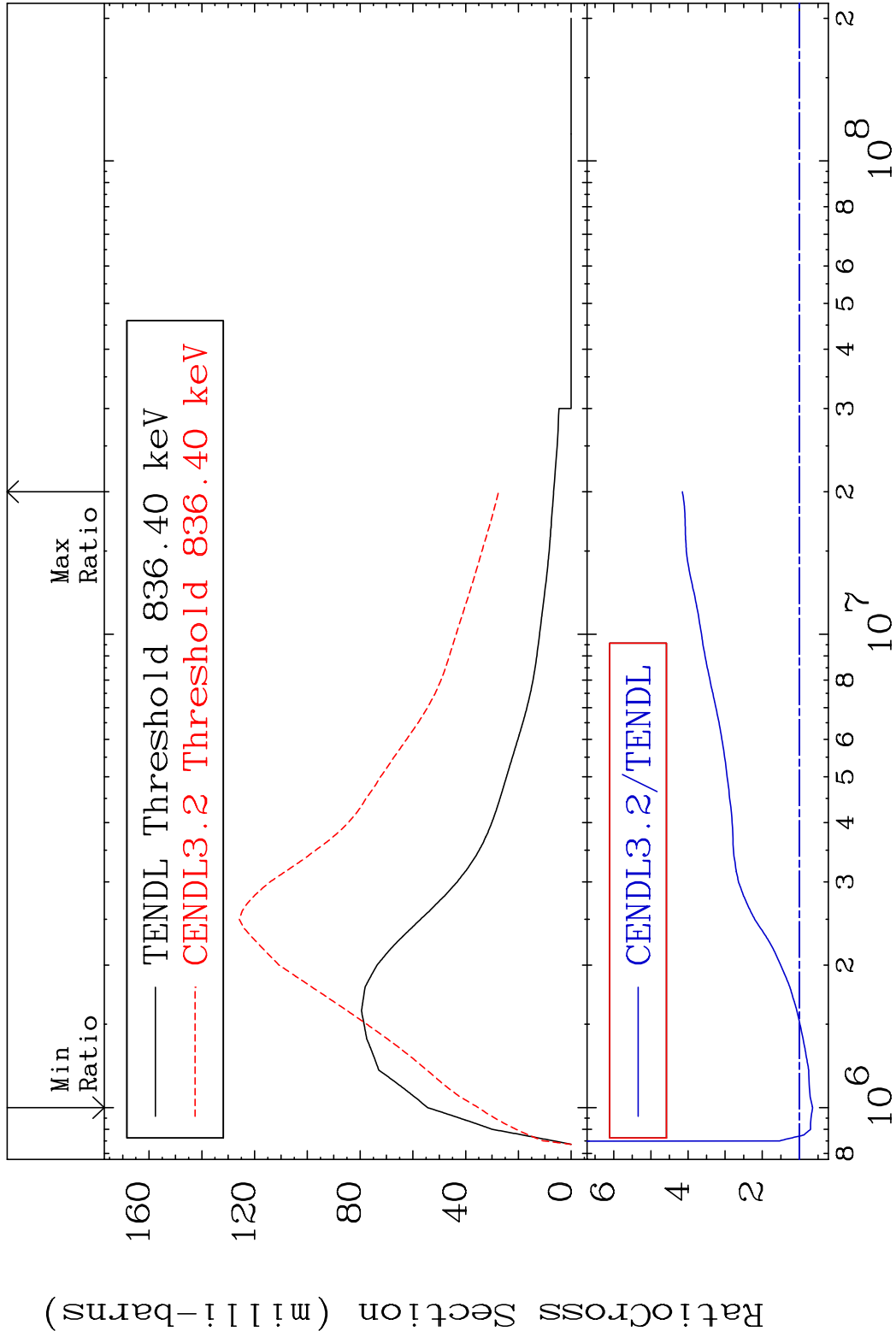
14

Incident Energy (eV)

53-I -129

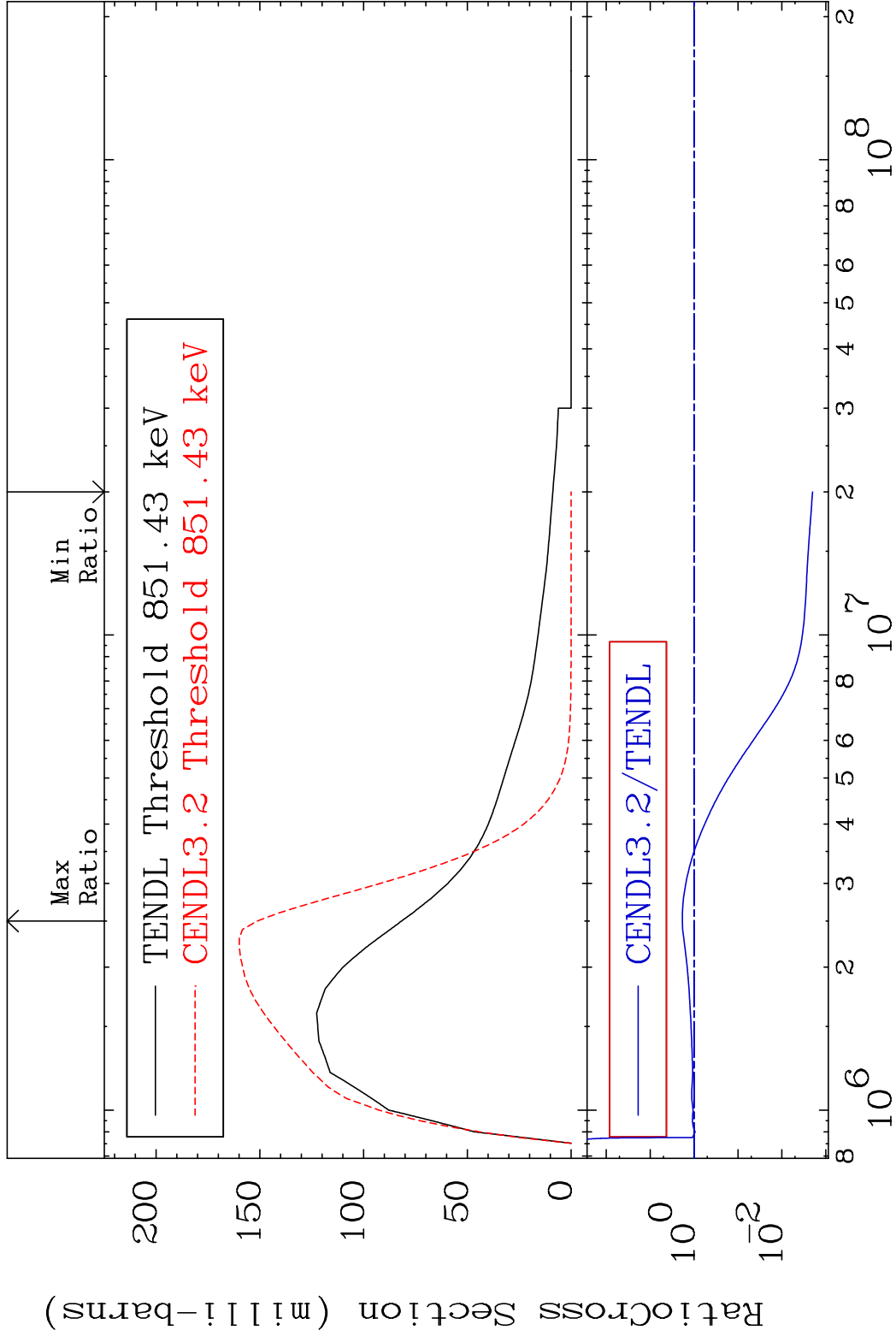
MAT 5331 MT= 58 (n,n') Level 53-I -129

Cross Section -35.30 To 315.1 %



15 Incident Energy (eV) 53-I -129

MAT 5331 MT= 59 (n,n') Level 53-I -129
Cross Section -99.80 To 85.00 %



16 53-I -129

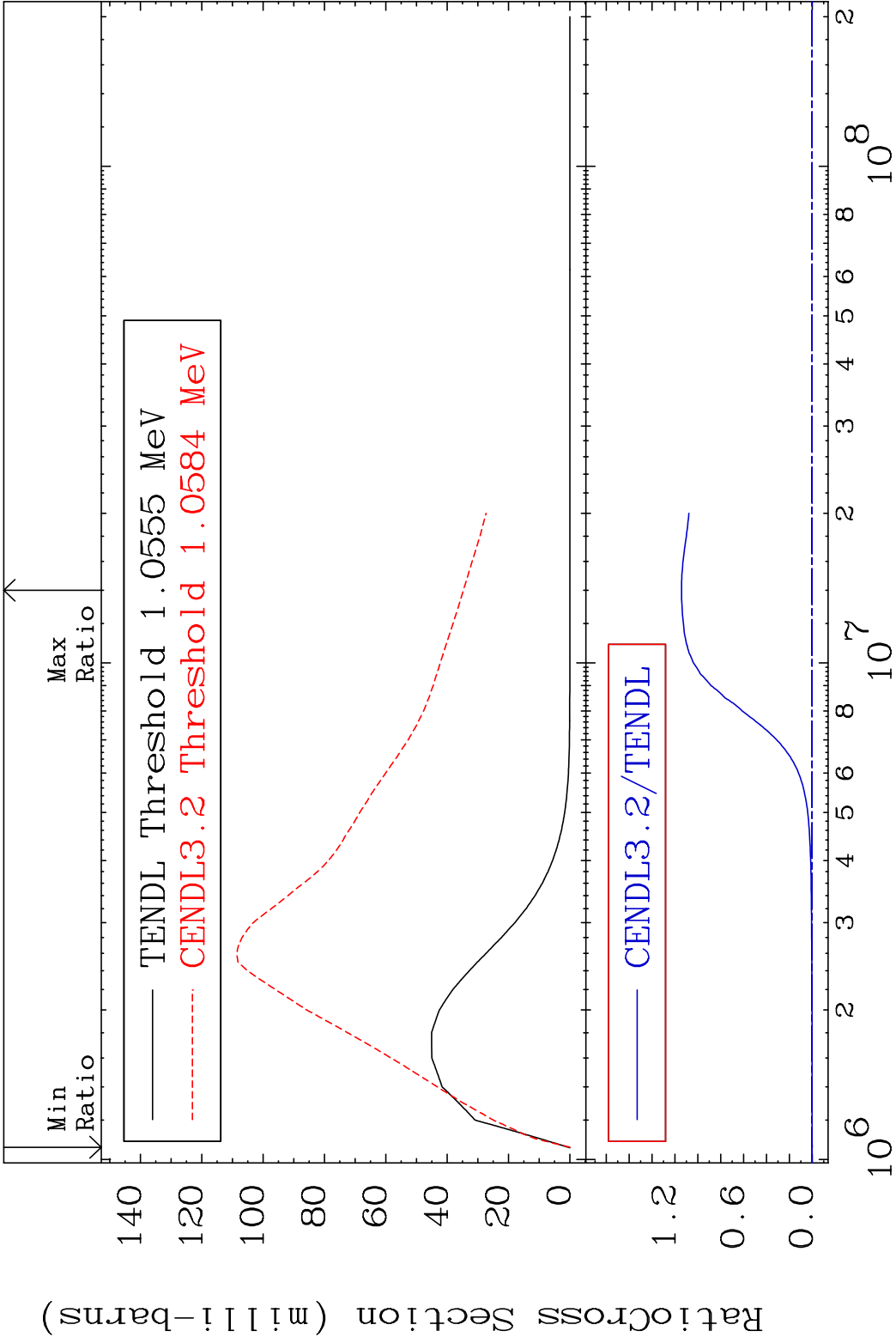
MAT 5331

MT= 60 (n,n') Level

53-I -129

Cross Section

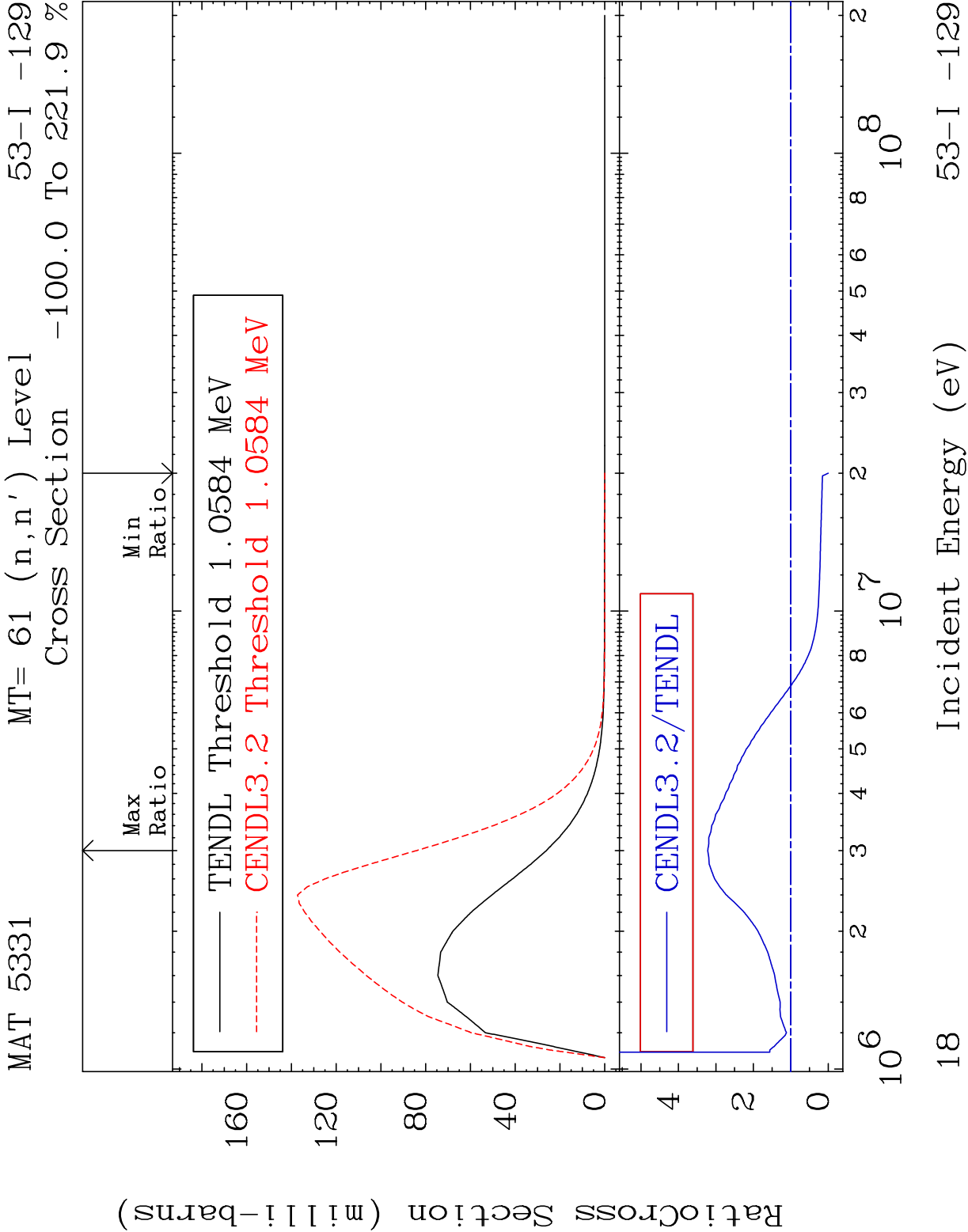
-100.0 To 9999. %

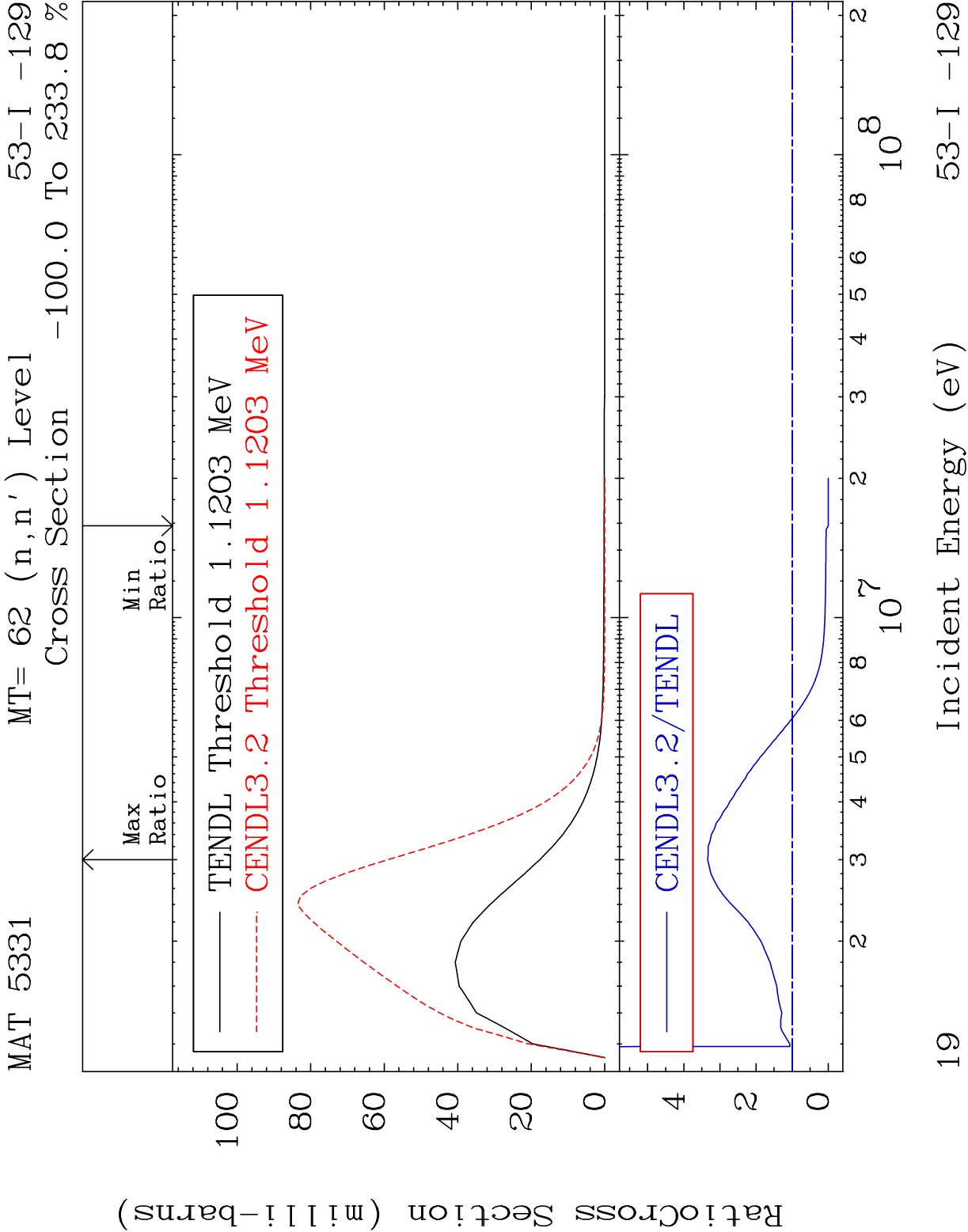


17

Incident Energy (eV)

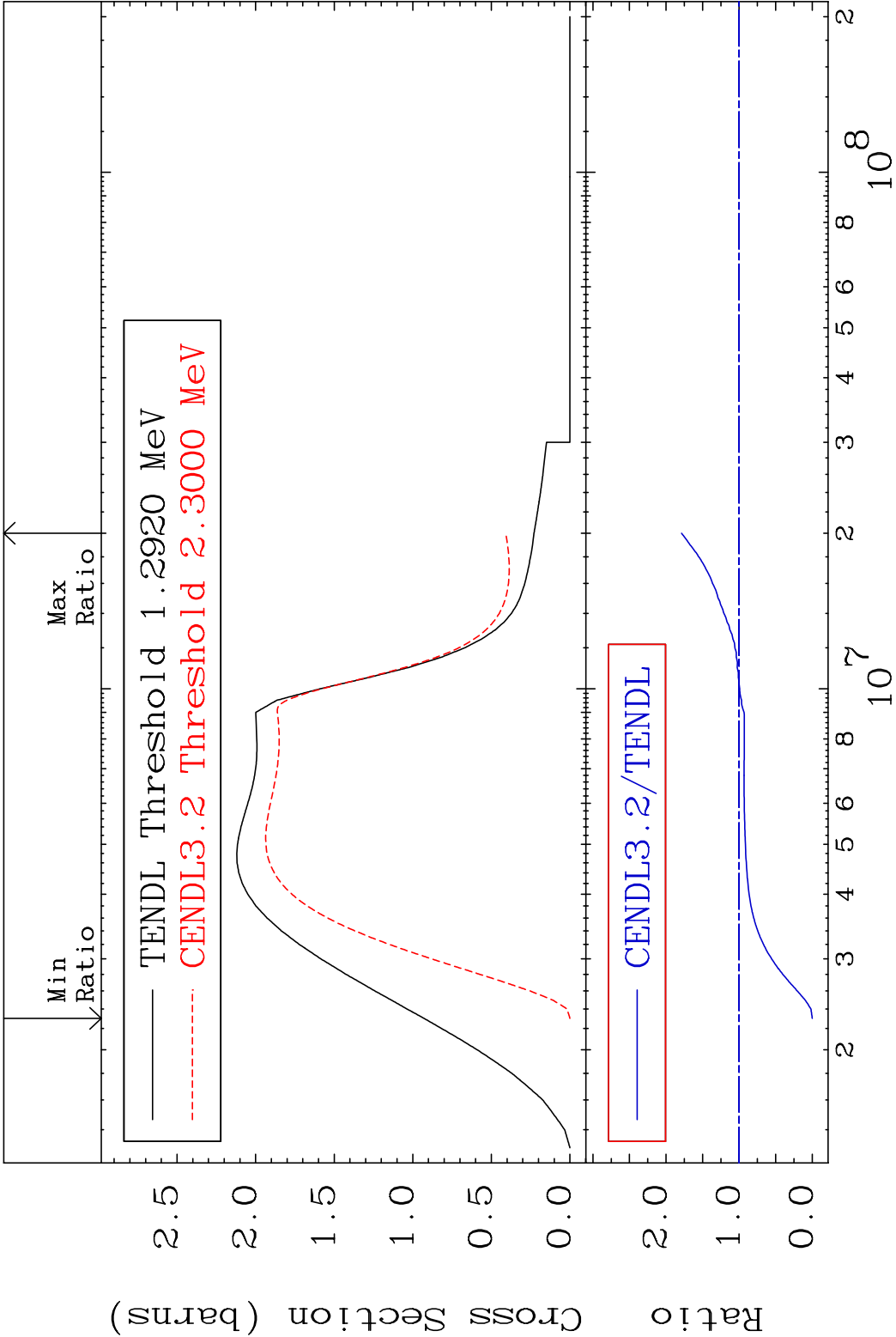
53-I -129





19

53-I -129

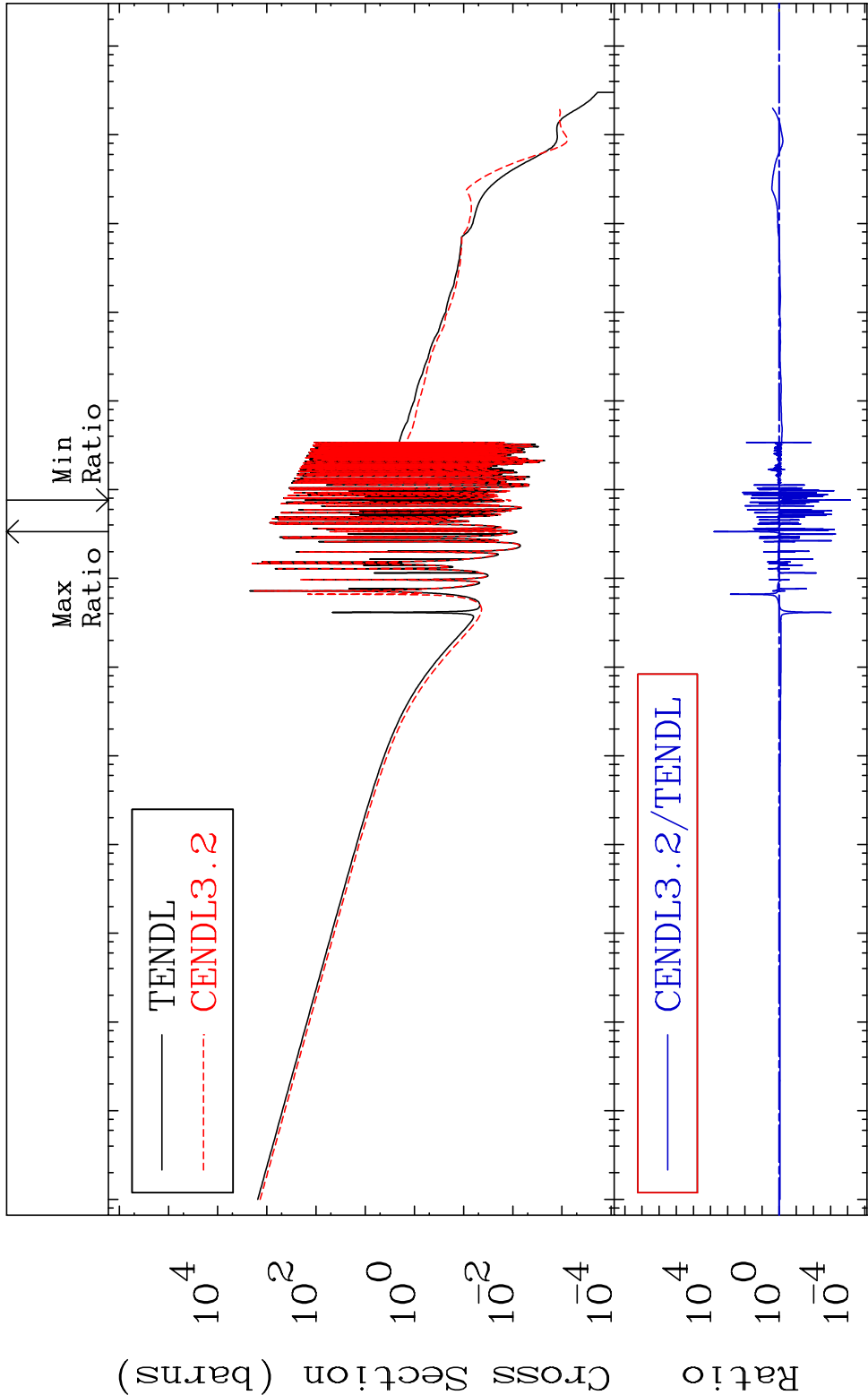


MAT 5331

(n, γ)

53-I -129

Cross Section -99.99 To 9999. %



21

Incident Energy (eV)

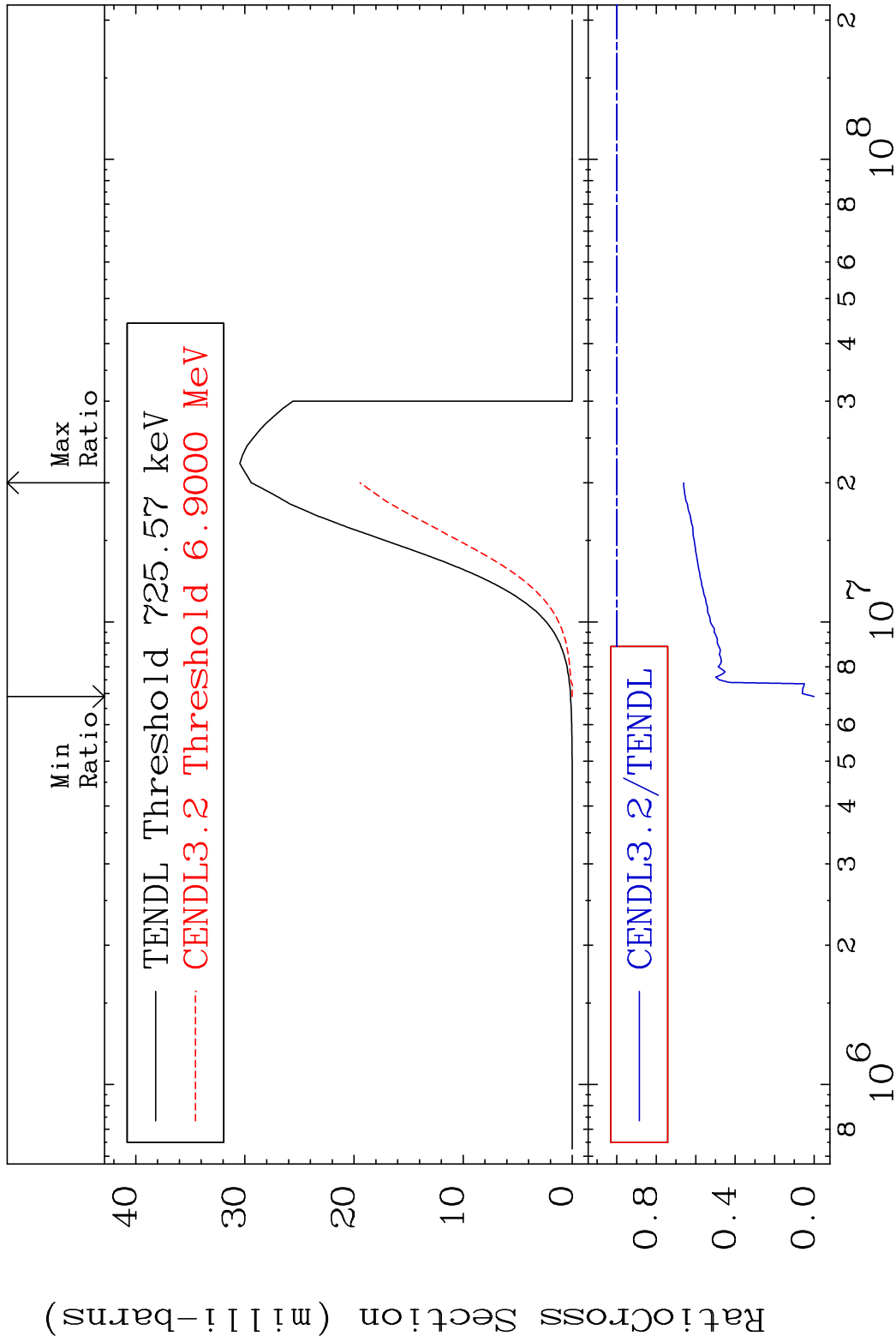
53-I -129

MAT 5331

(n,p)

53-I -129

Cross Section -100.0 To -33.87%



22

Incident Energy (eV)

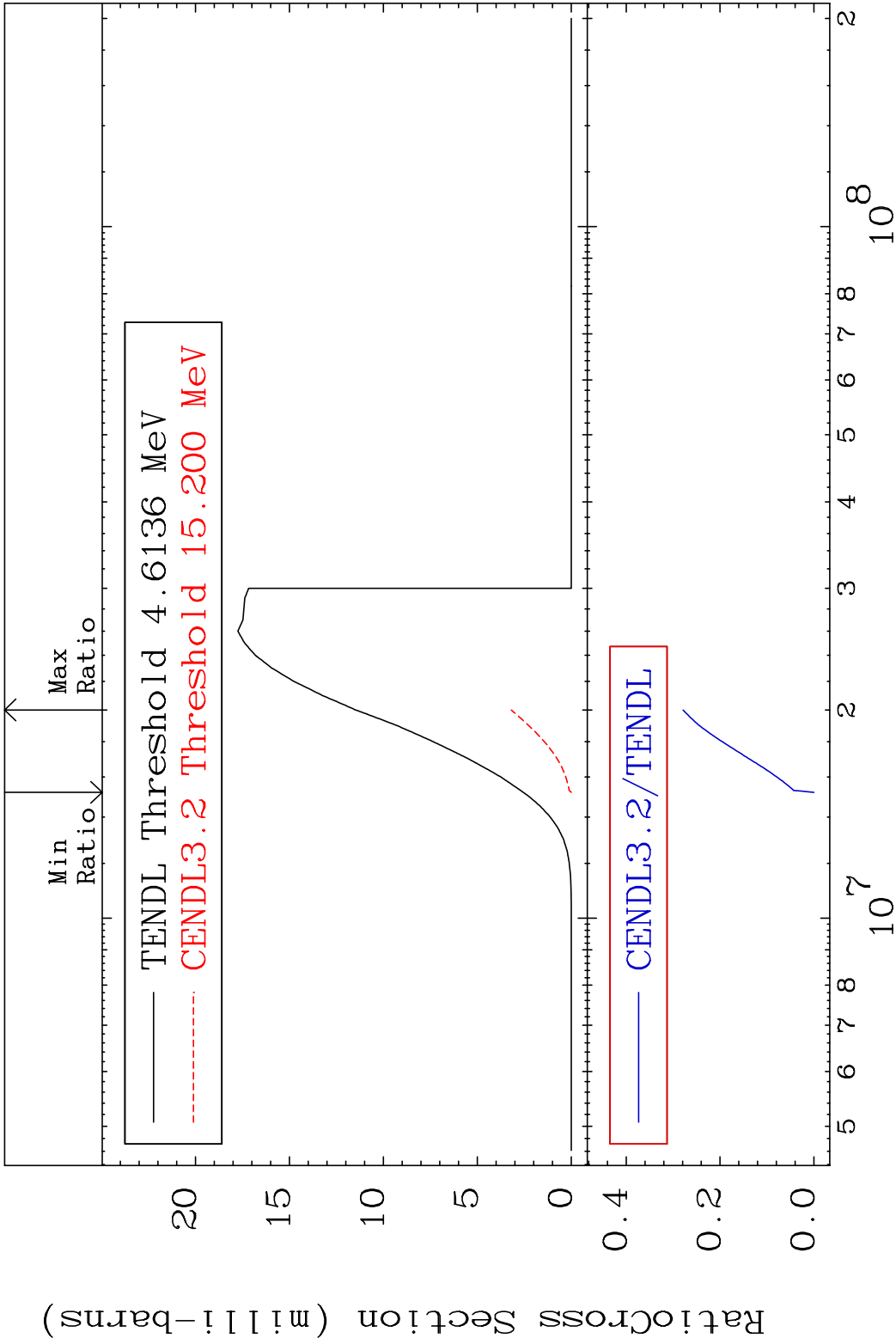
53-I -129

MAT 5331

(n,d)

53-I -129

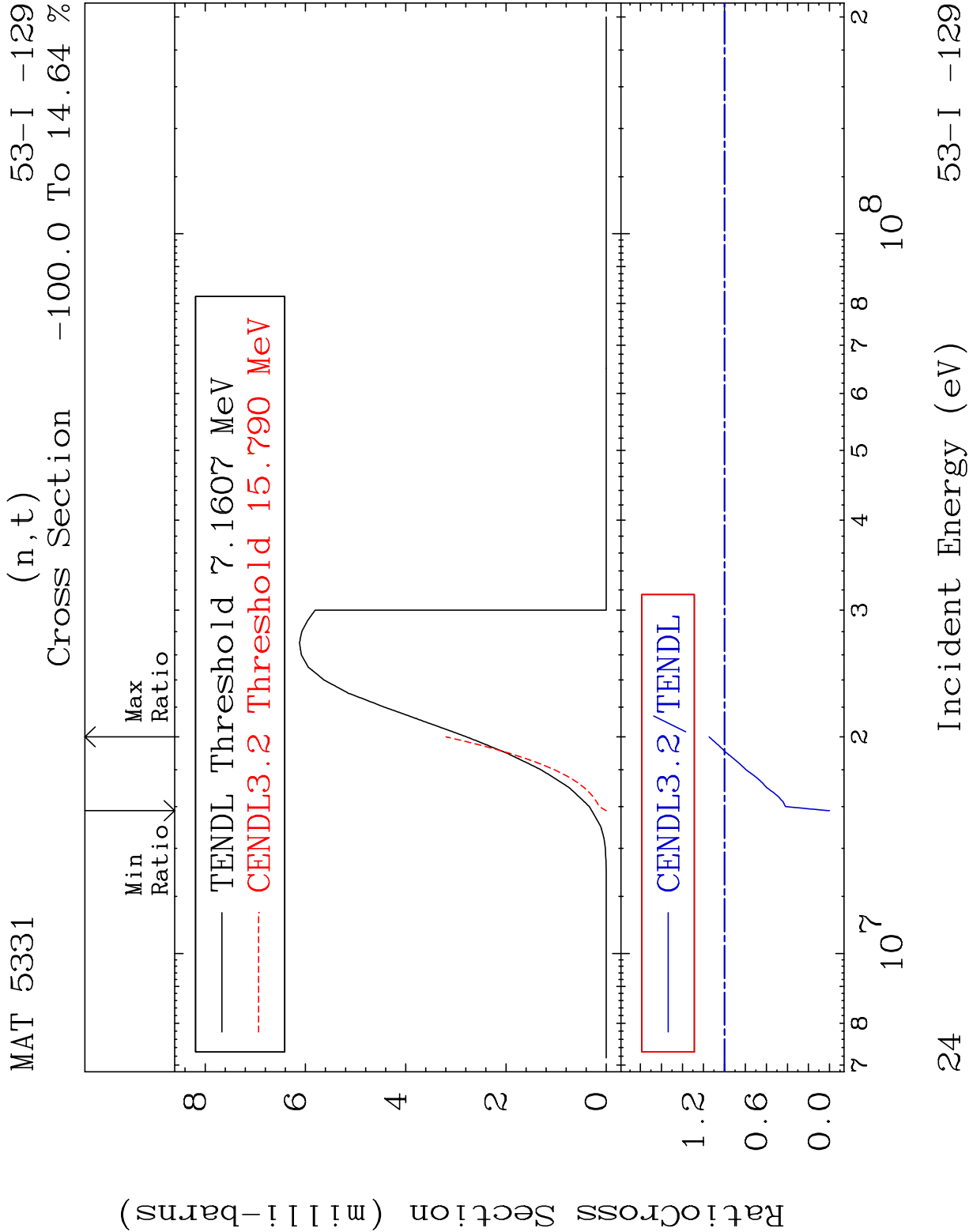
Cross Section -100.0 To -72.11%



23

Incident Energy (eV)

53-I -129



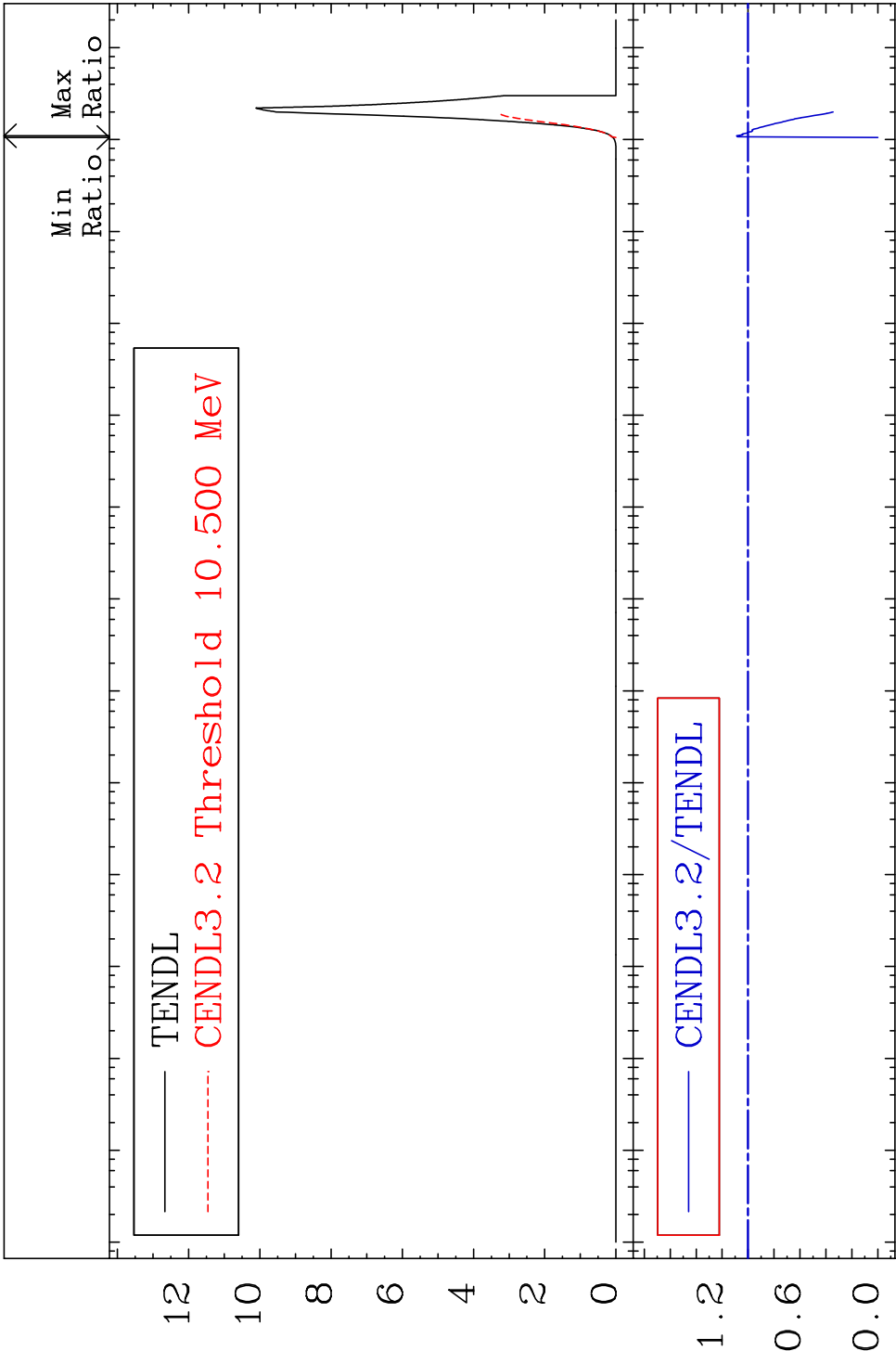
MAT 5331

(n, α)

53-I -129

Cross Section -100.0 To 8.864 %

RatioCross Section (milli-barns)

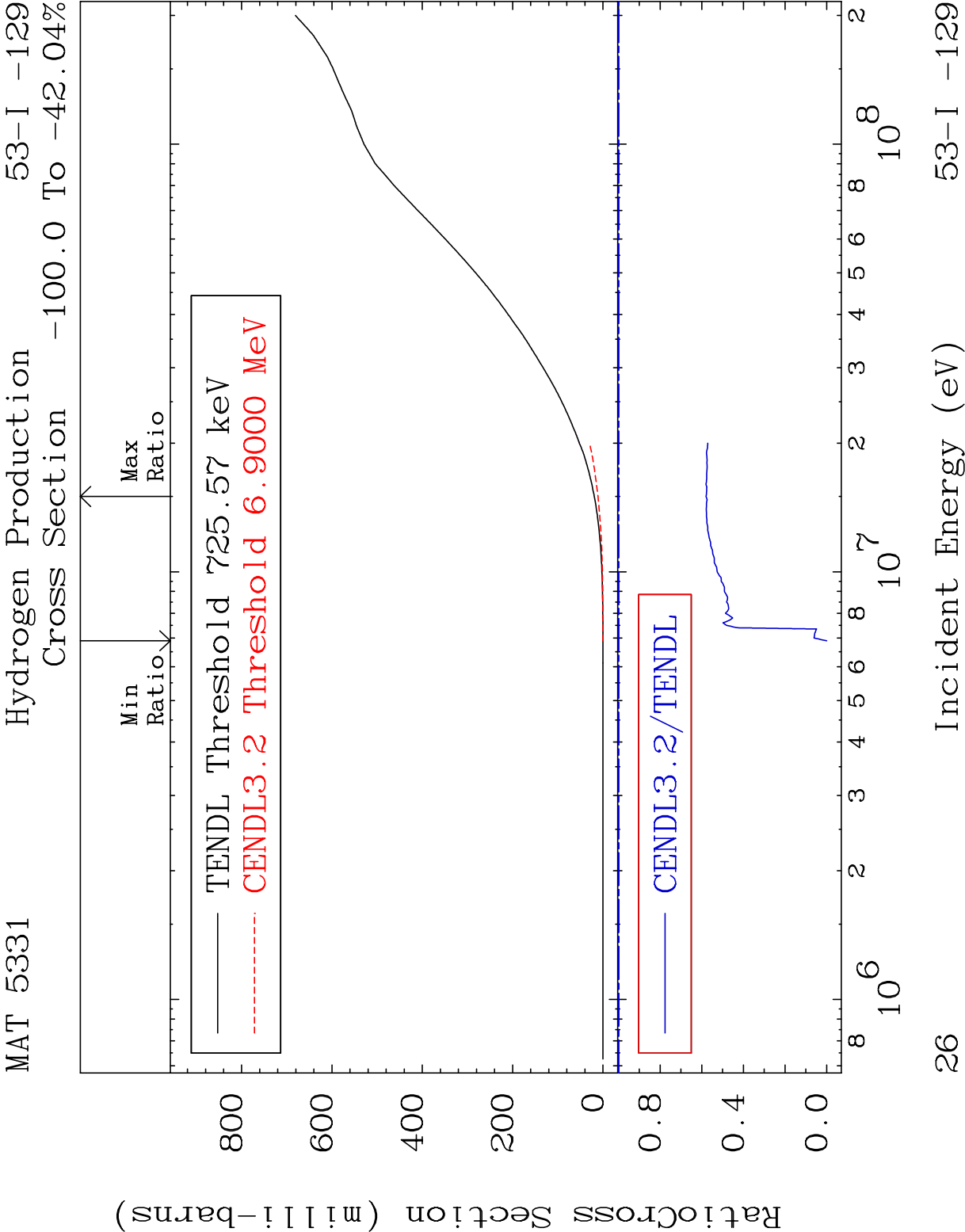


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

25

Incident Energy (eV)

53-I -129

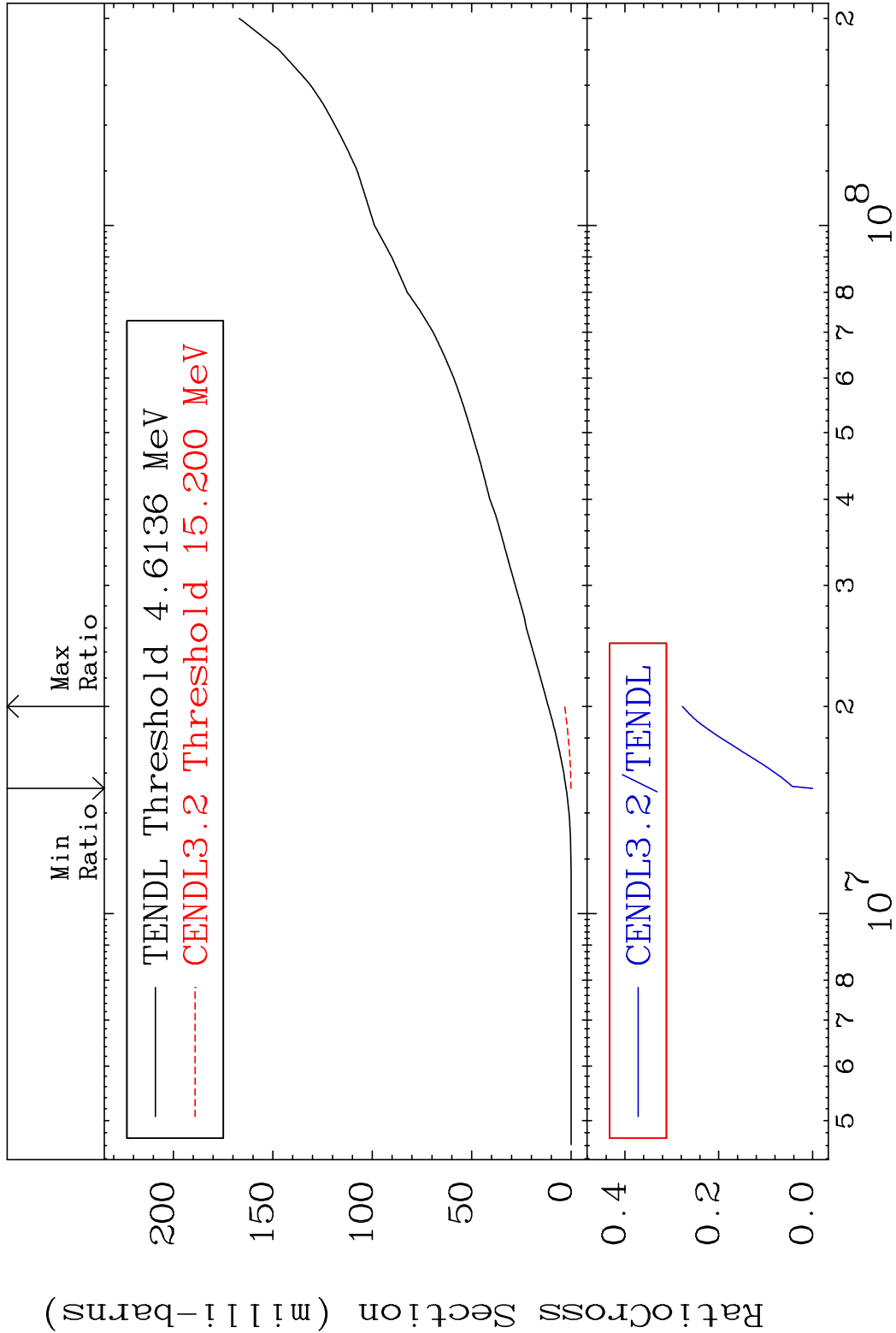


MAT 5331

Deuterium Production

53-I -129

Cross Section -100.0 To -72.24%



27

Incident Energy (eV)

53-I -129

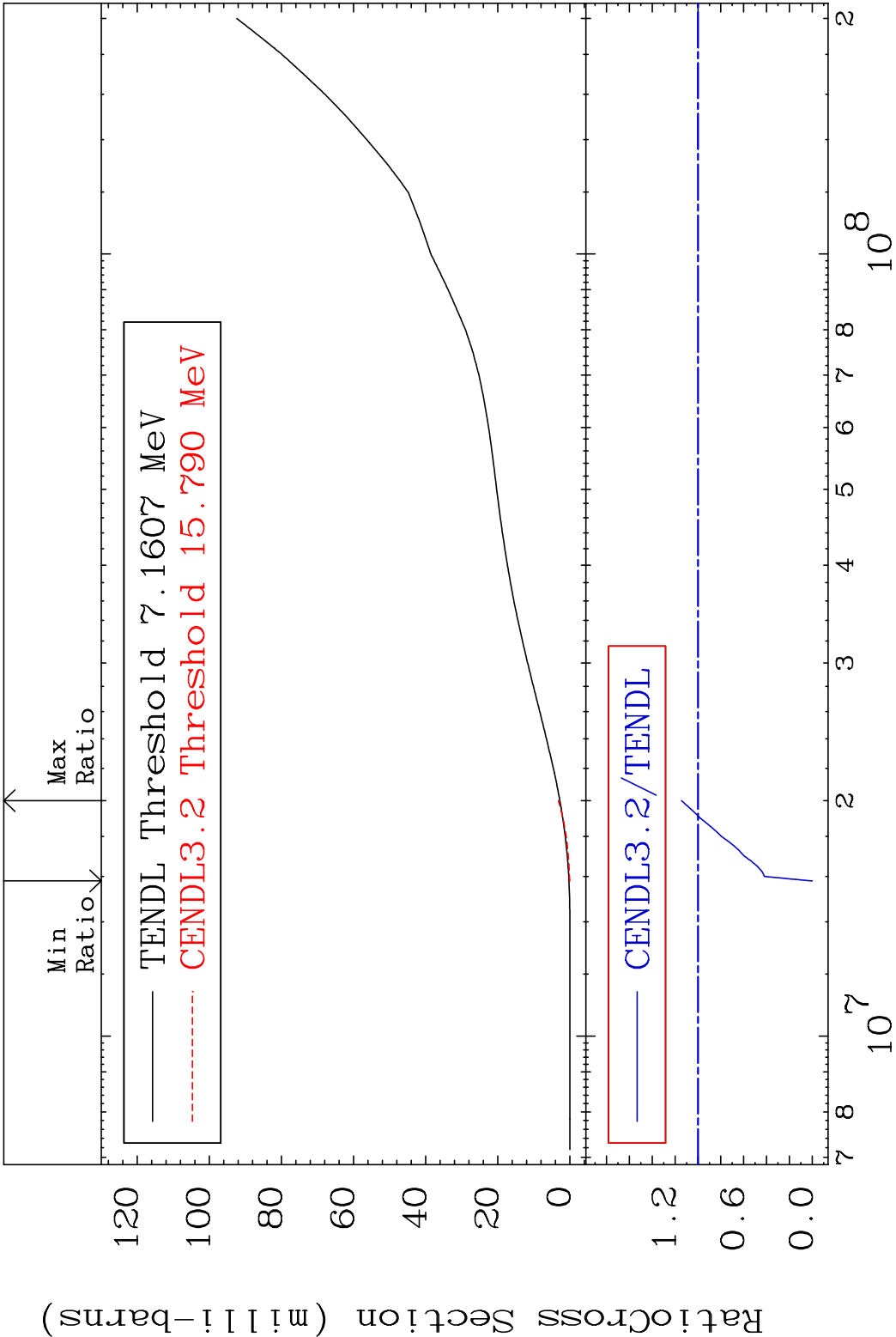
MAT 5331

Tritium Production

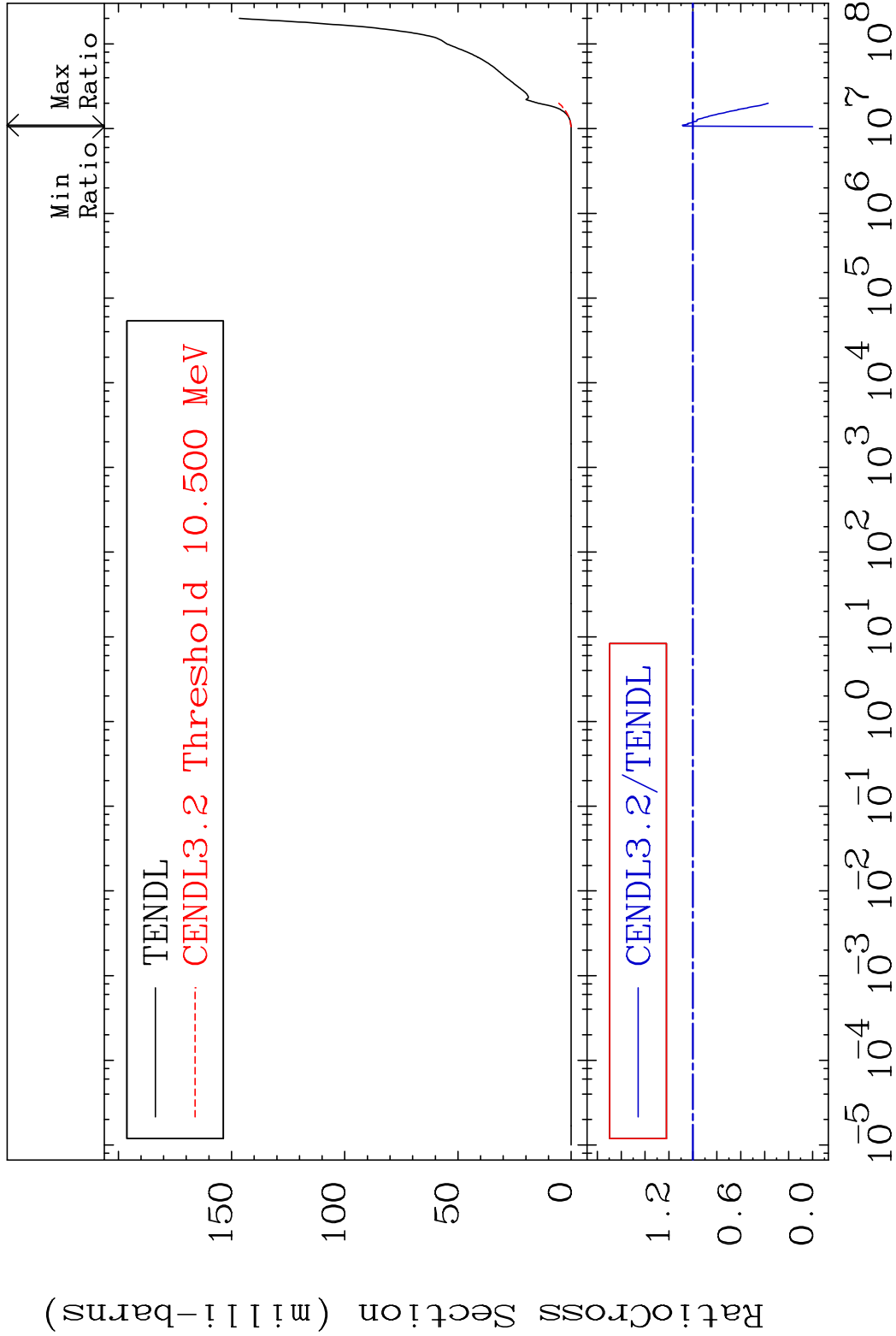
53-I -129

Cross Section

-100.0 To 14.38 %



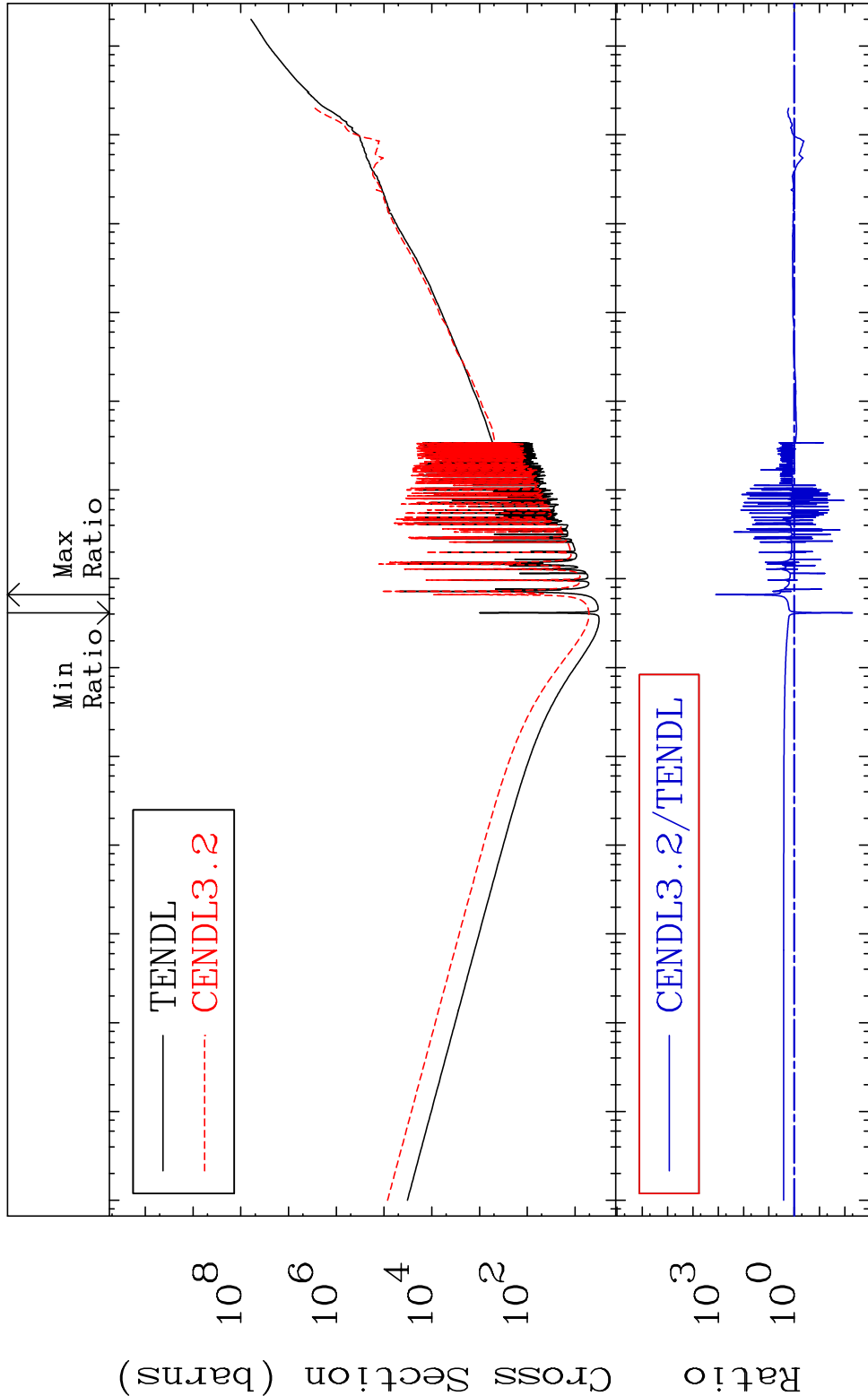
MAT 5331 He-4 Production 53-I -129
Cross Section -100.0 To 8.852 %



29 Incident Energy (eV) 53-I -129

MAT 5331 Kerma total (eV-barns) 53-I -129

Cross Section -99.49 To 9999. %

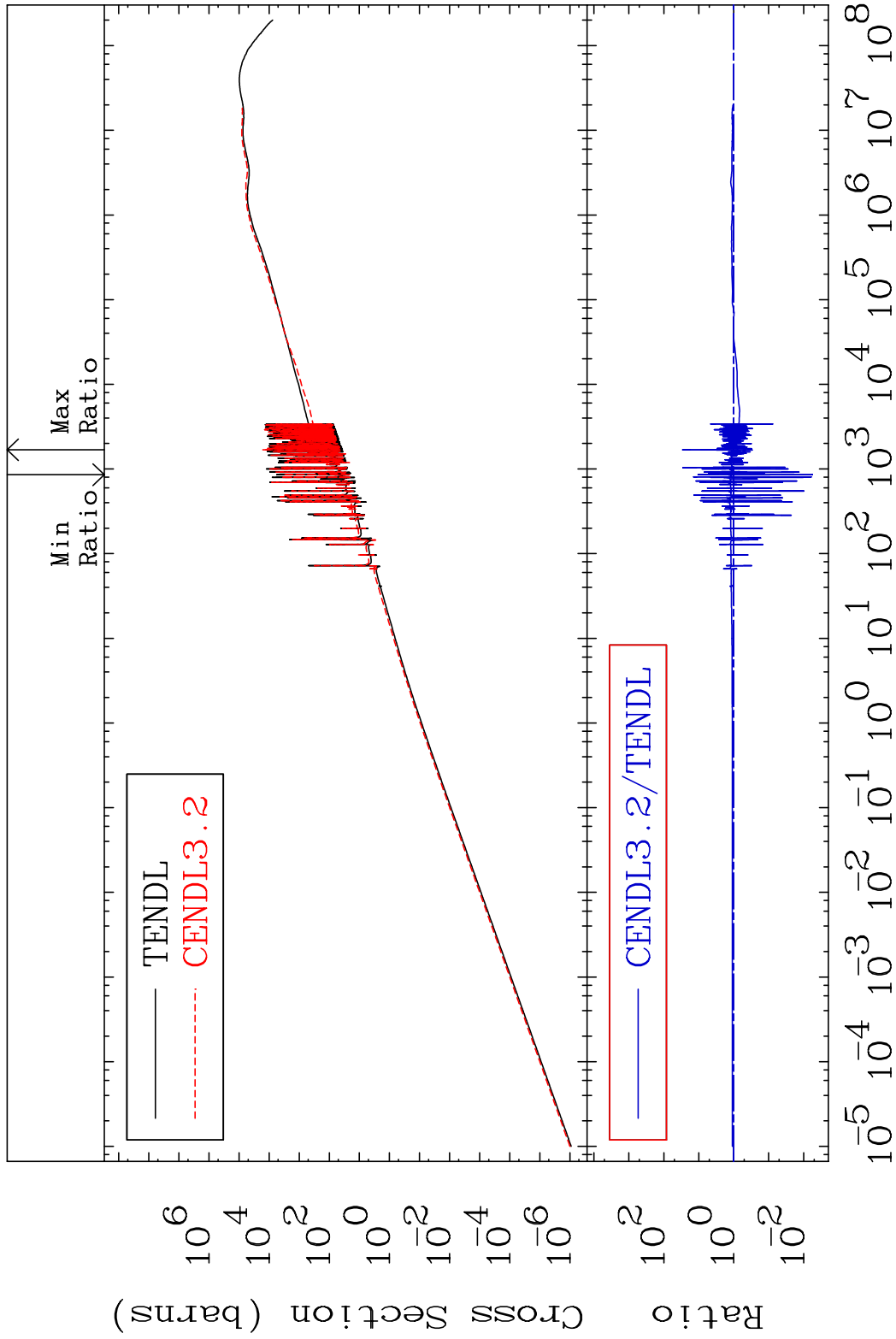


30 Incident Energy (eV) 53-I -129

MAT 5331

Kerma elastic
Cross Section

53-I -129
-99.45 To 2850. %

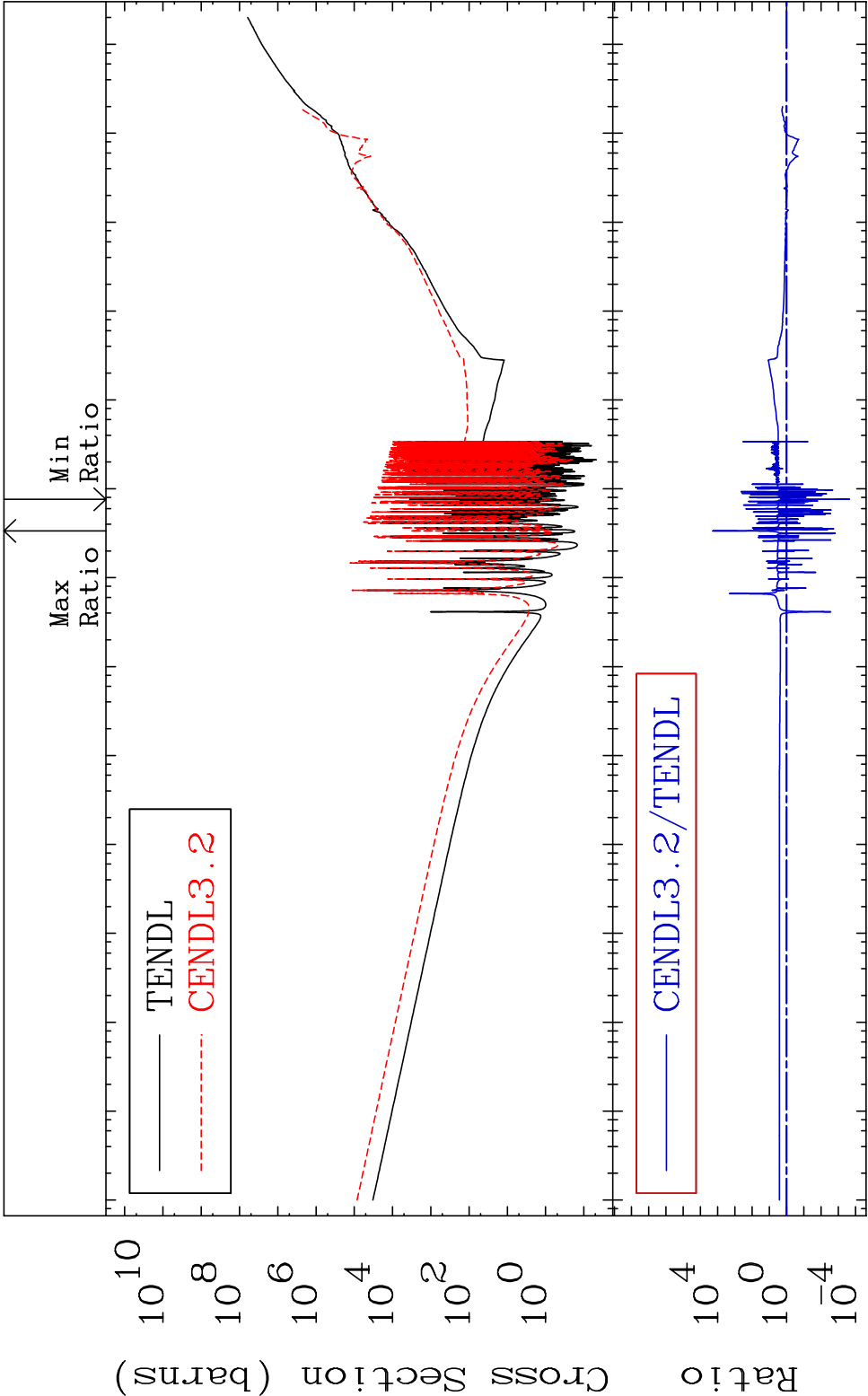


31

Incident Energy (eV)

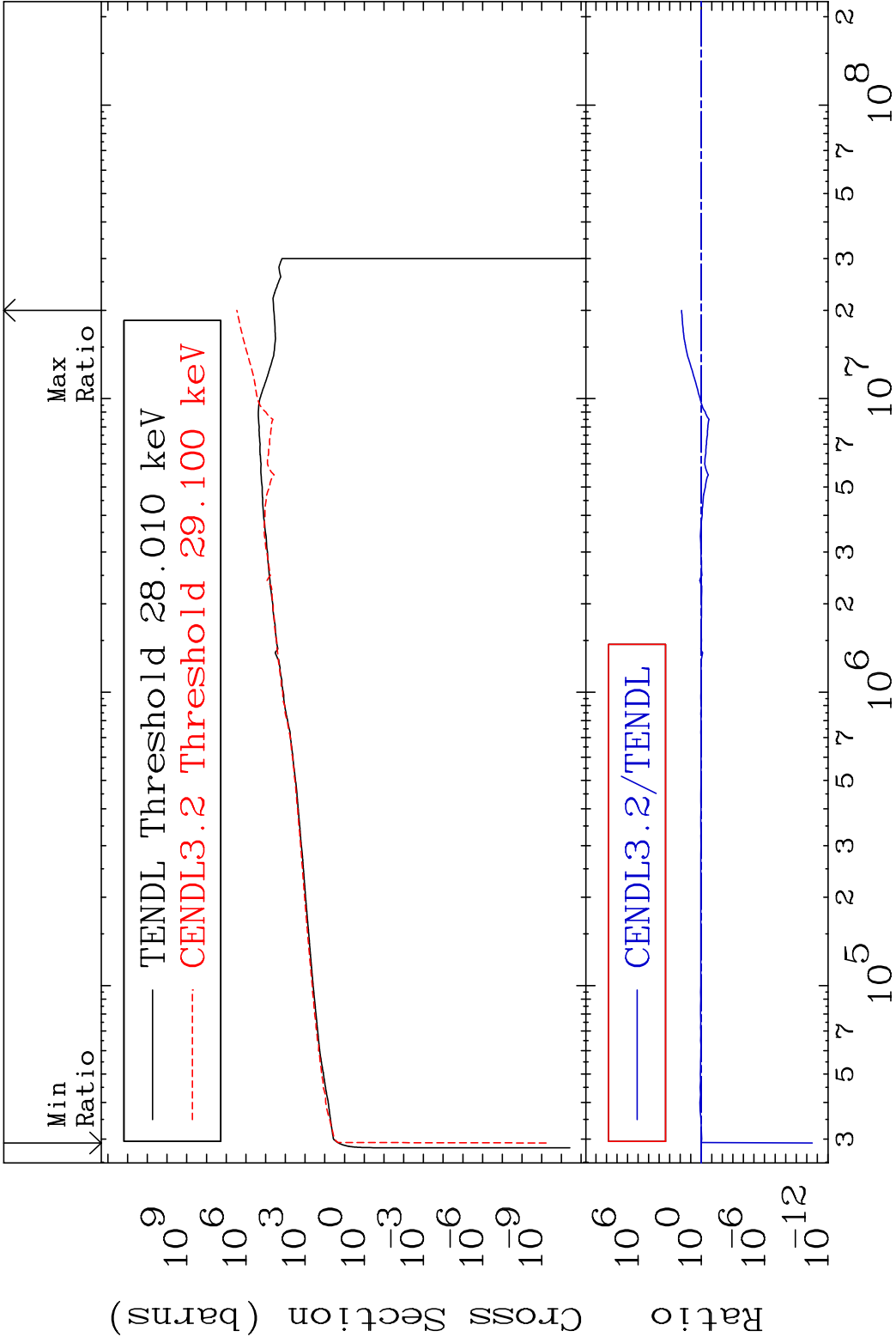
53-I -129

MAT 5331 Kerma non-elastic (all but mt2) 53-I -129
Cross Section -99.98 To 9999. %

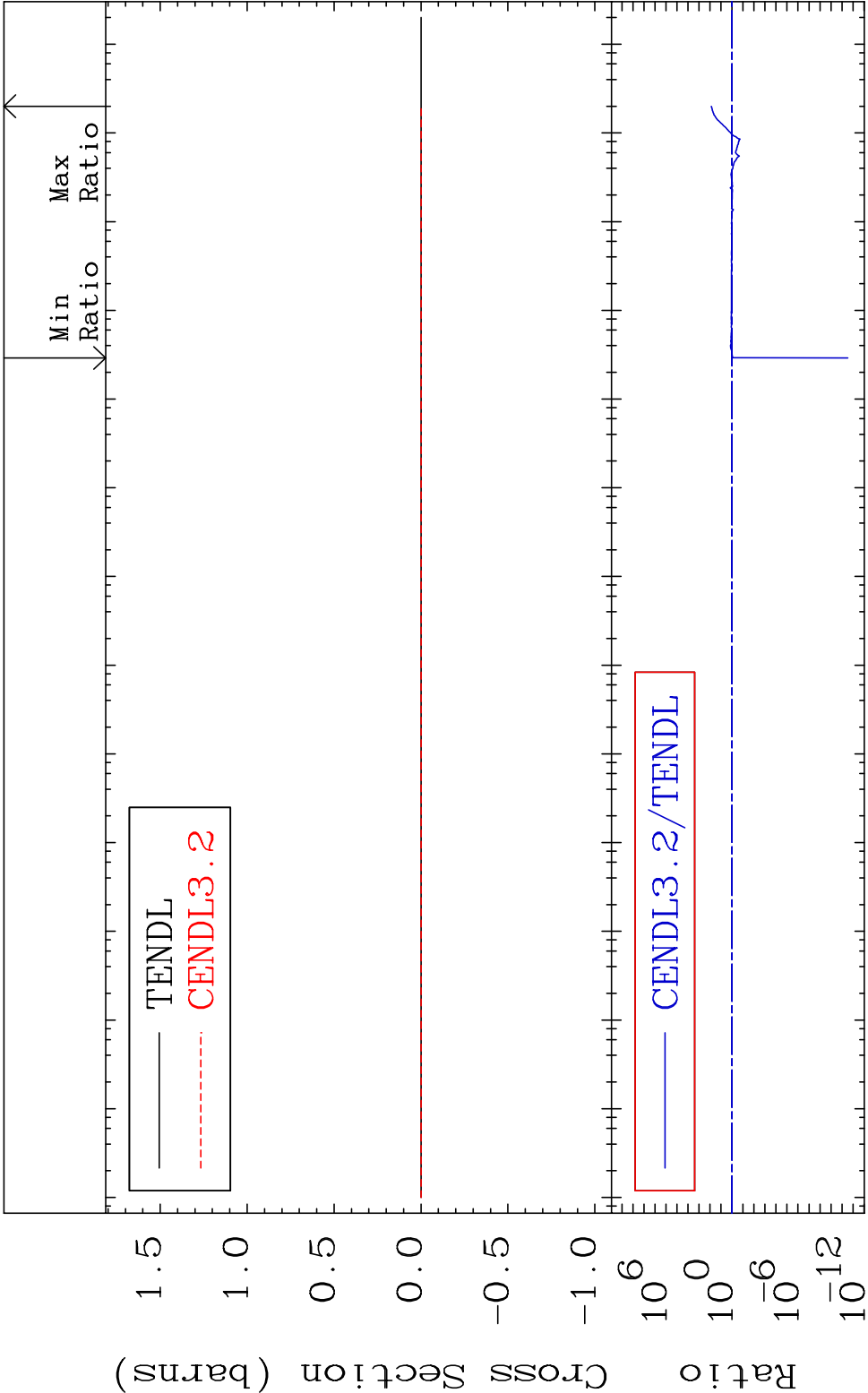


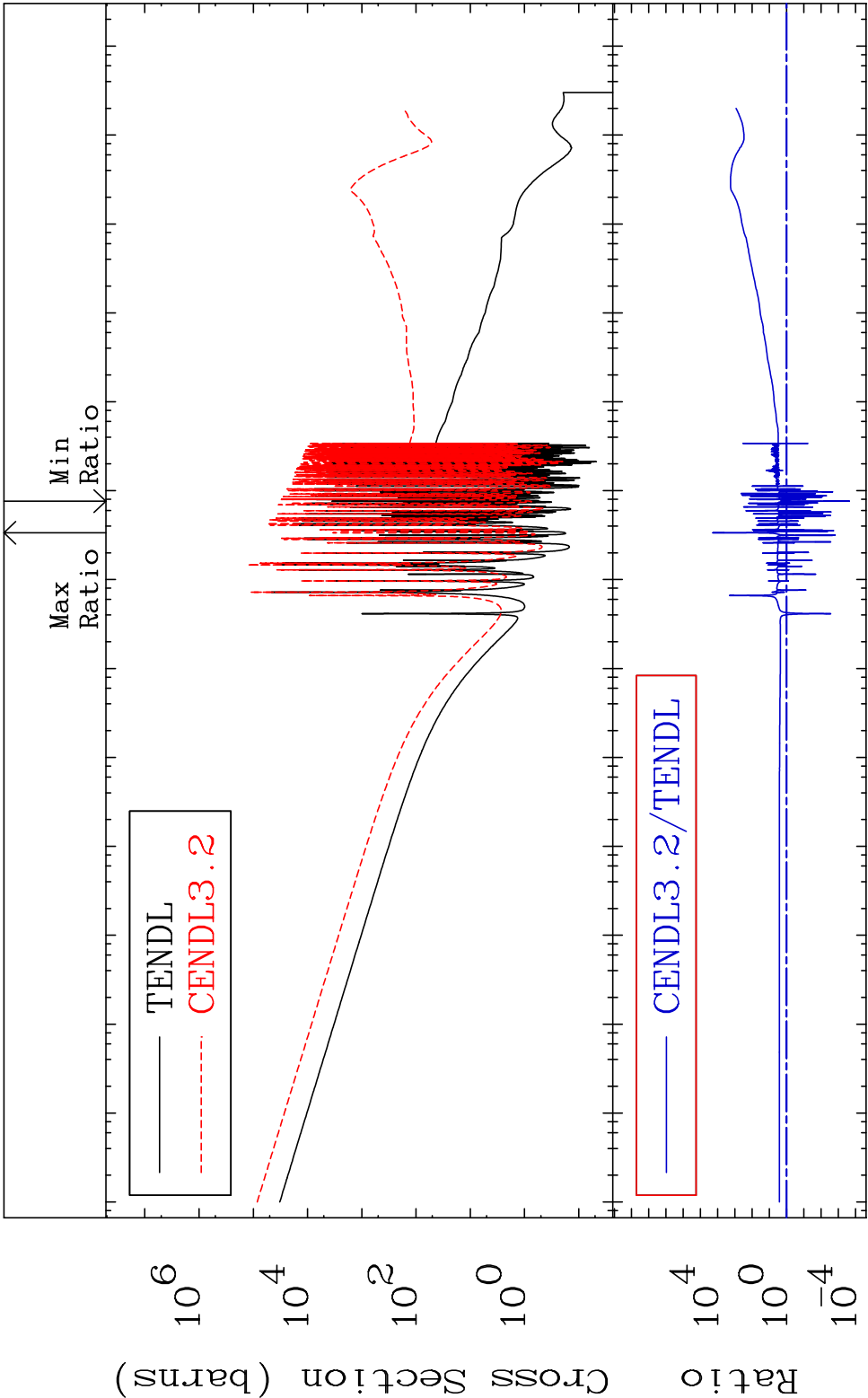
32 Incident Energy (eV) 53-I -129

MAT 5331 Kerma inelastic (mt51-91) 53-I -129
Cross Section -100.0 To 7374. %



MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129
Cross Section -100.0 To 7374. %





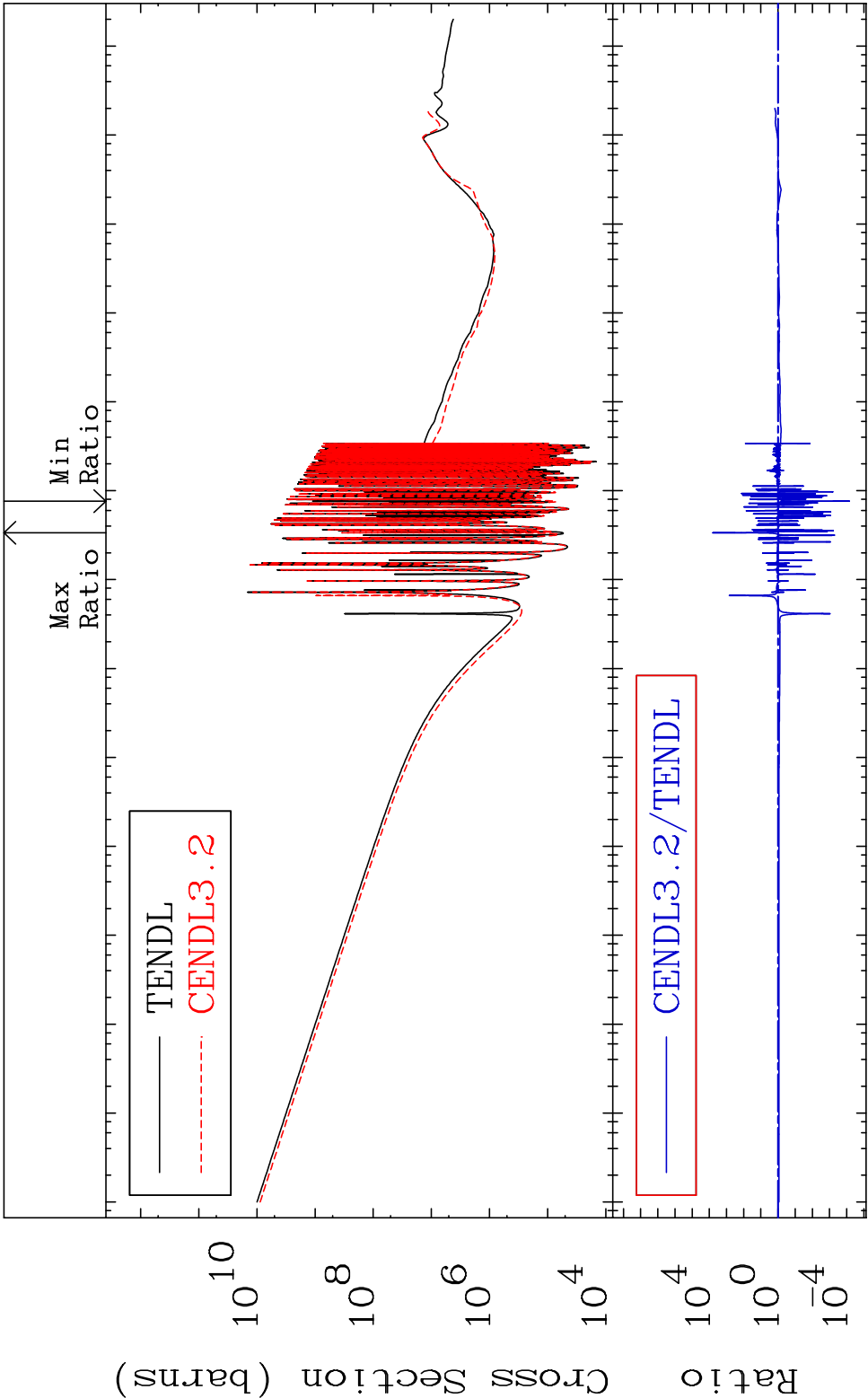
MAT 5331

Total photon (eV-barns)

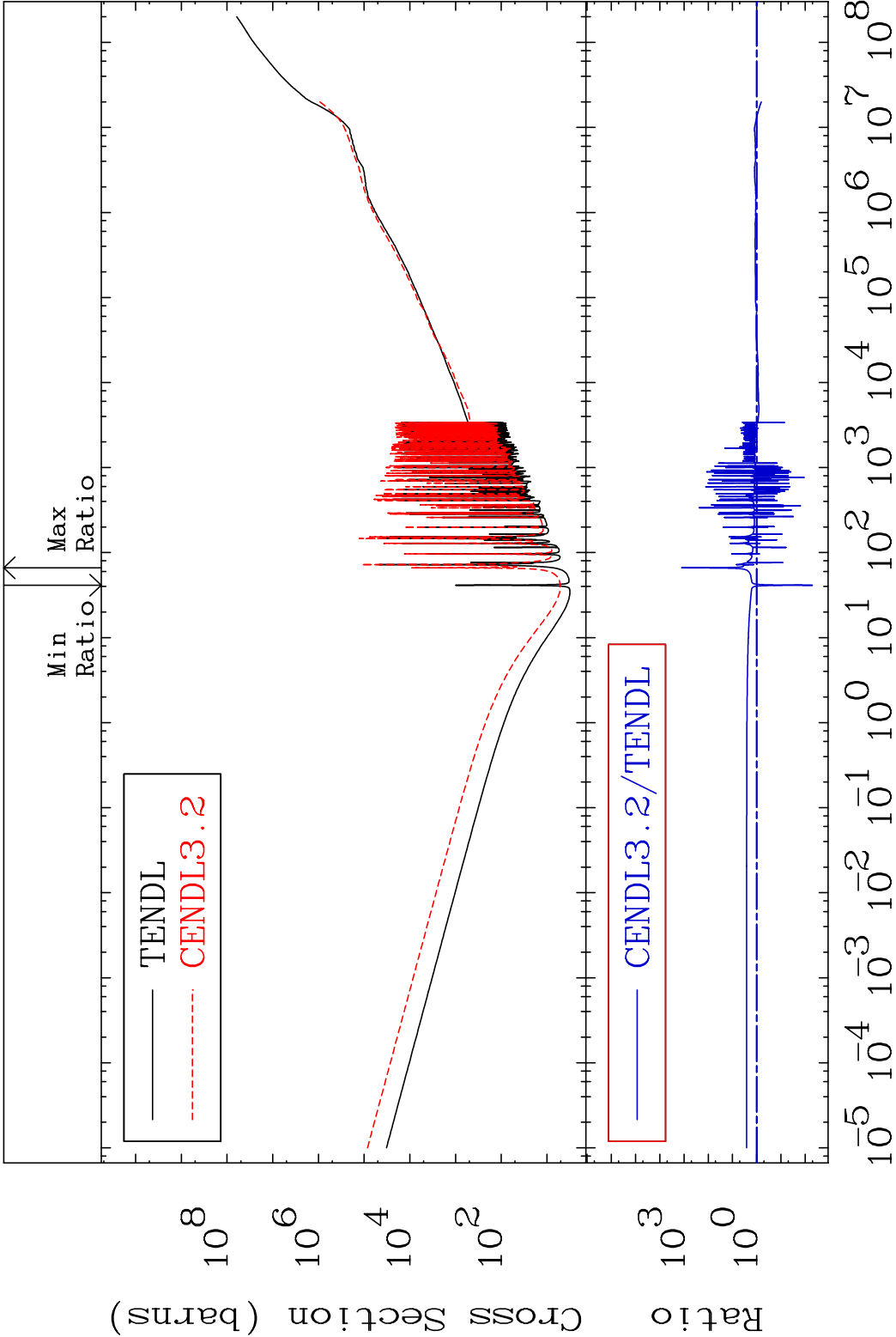
53-I -129

Cross Section

-99.99 To 9999. %

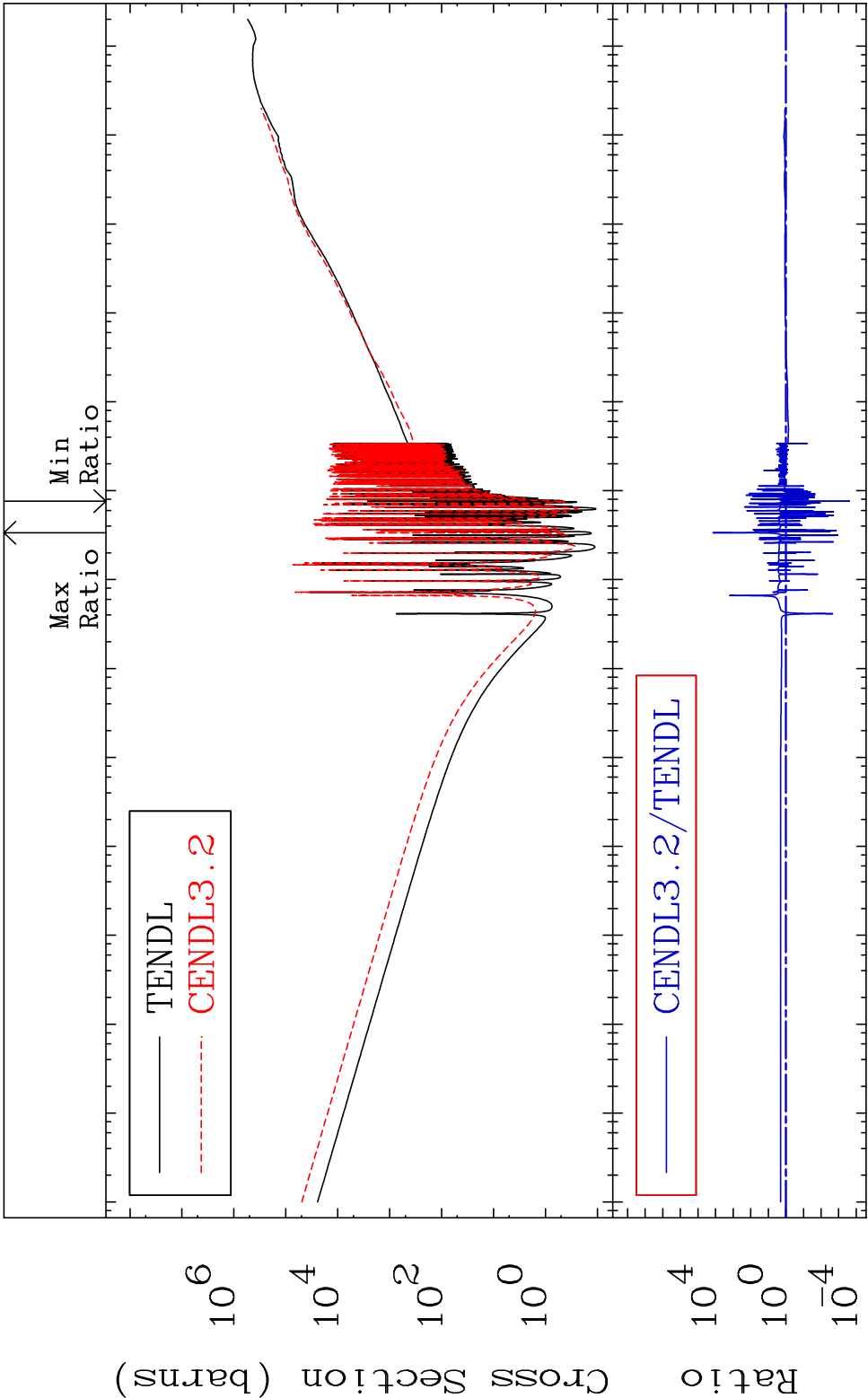


MAT 5331 Total kinematic kerma (high limit) 53-I -129
Cross Section -99.49 To 9999. %

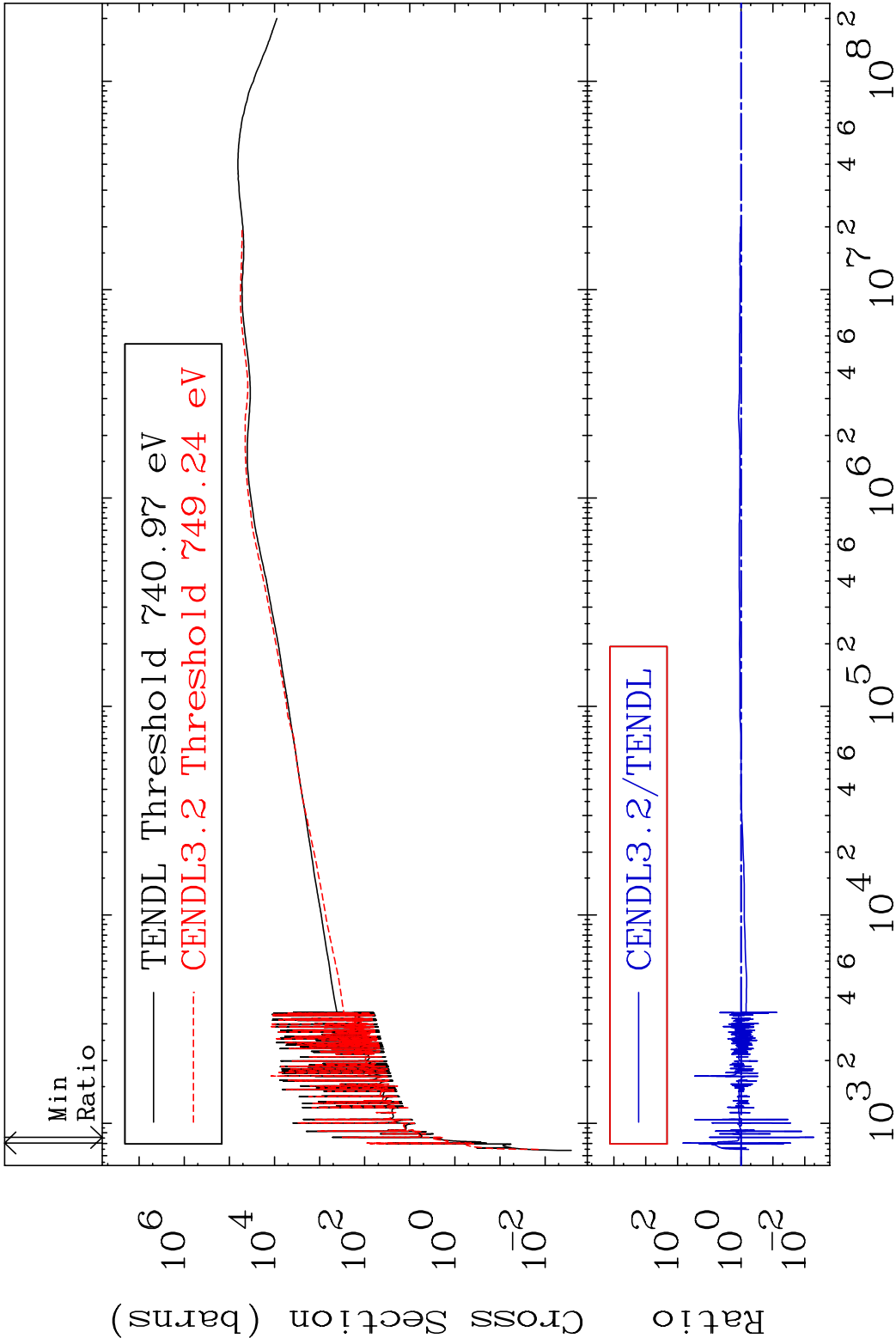


37 Incident Energy (eV) 53-I -129

MAT 5331 Dpa total (eV-barns) 53-I -129
 Cross Section -99.98 To 9999. %

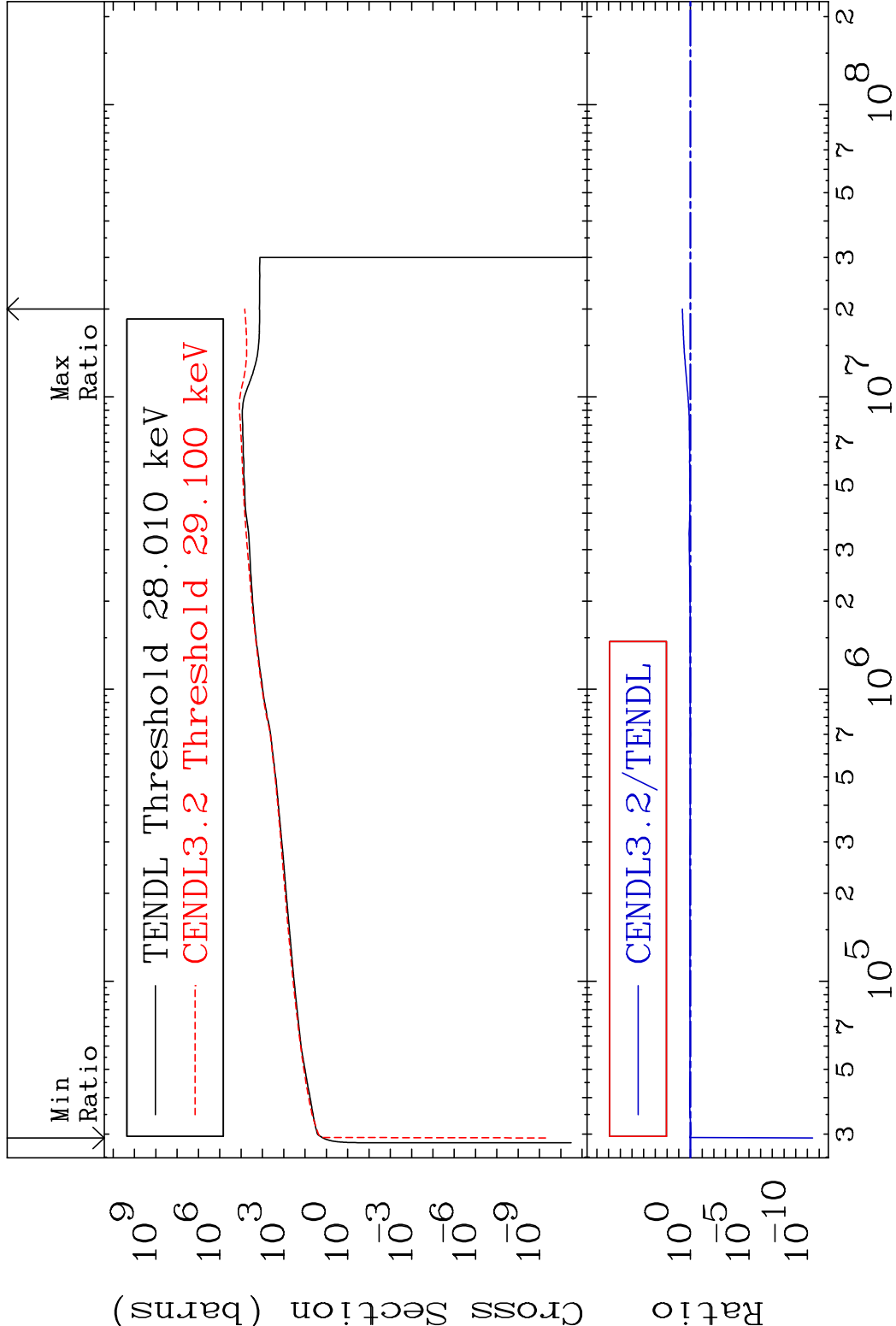


MAT 5331	Dpa elastic (mt2)	53-I -129
	Cross Section	-99.48 To 6597. %



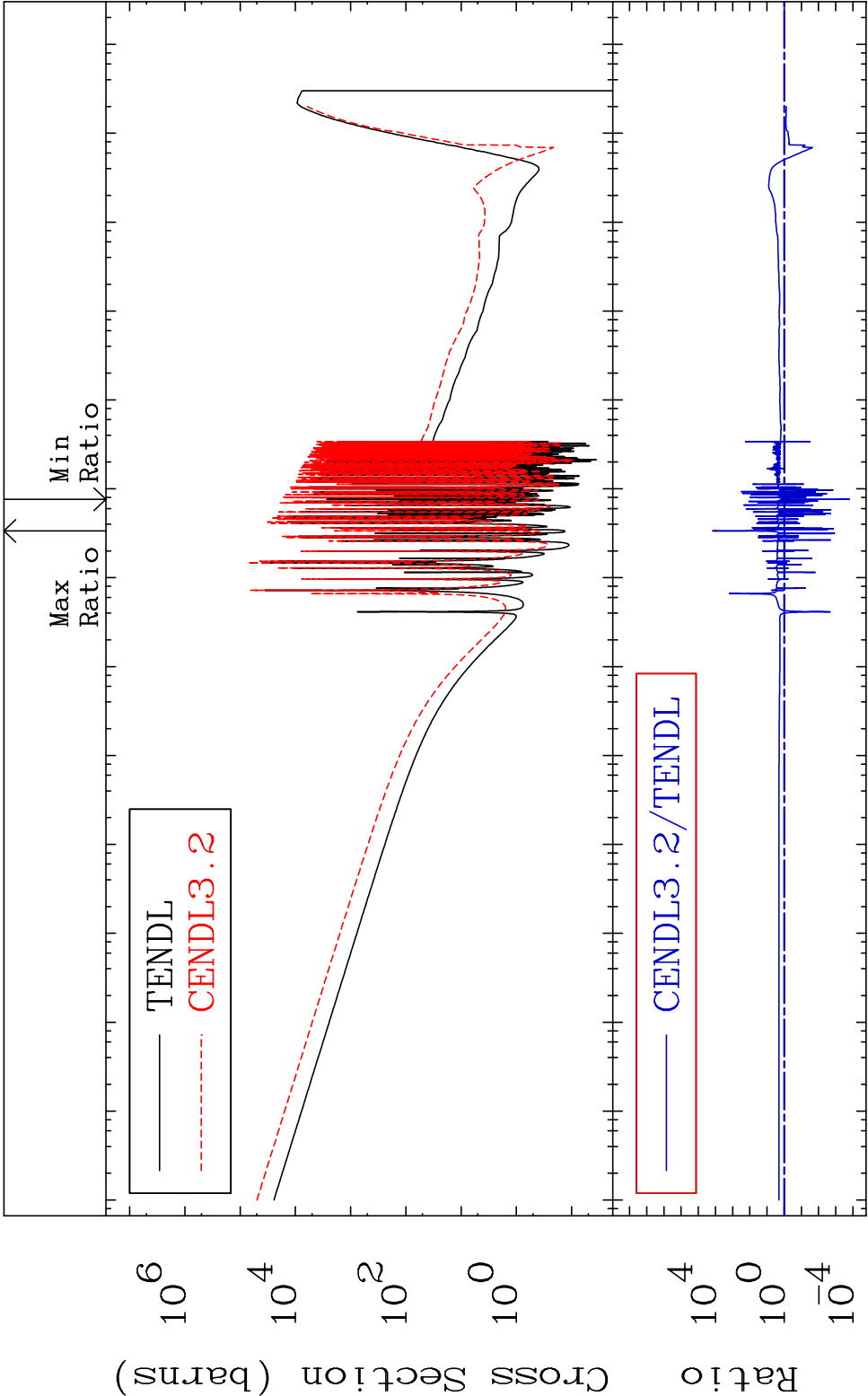
39	Incident Energy (eV)	53-I -129
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MAT 5331 Dpa inelastic (mt51-91) 53-I -129
Cross Section -100.0 To 392.4 %



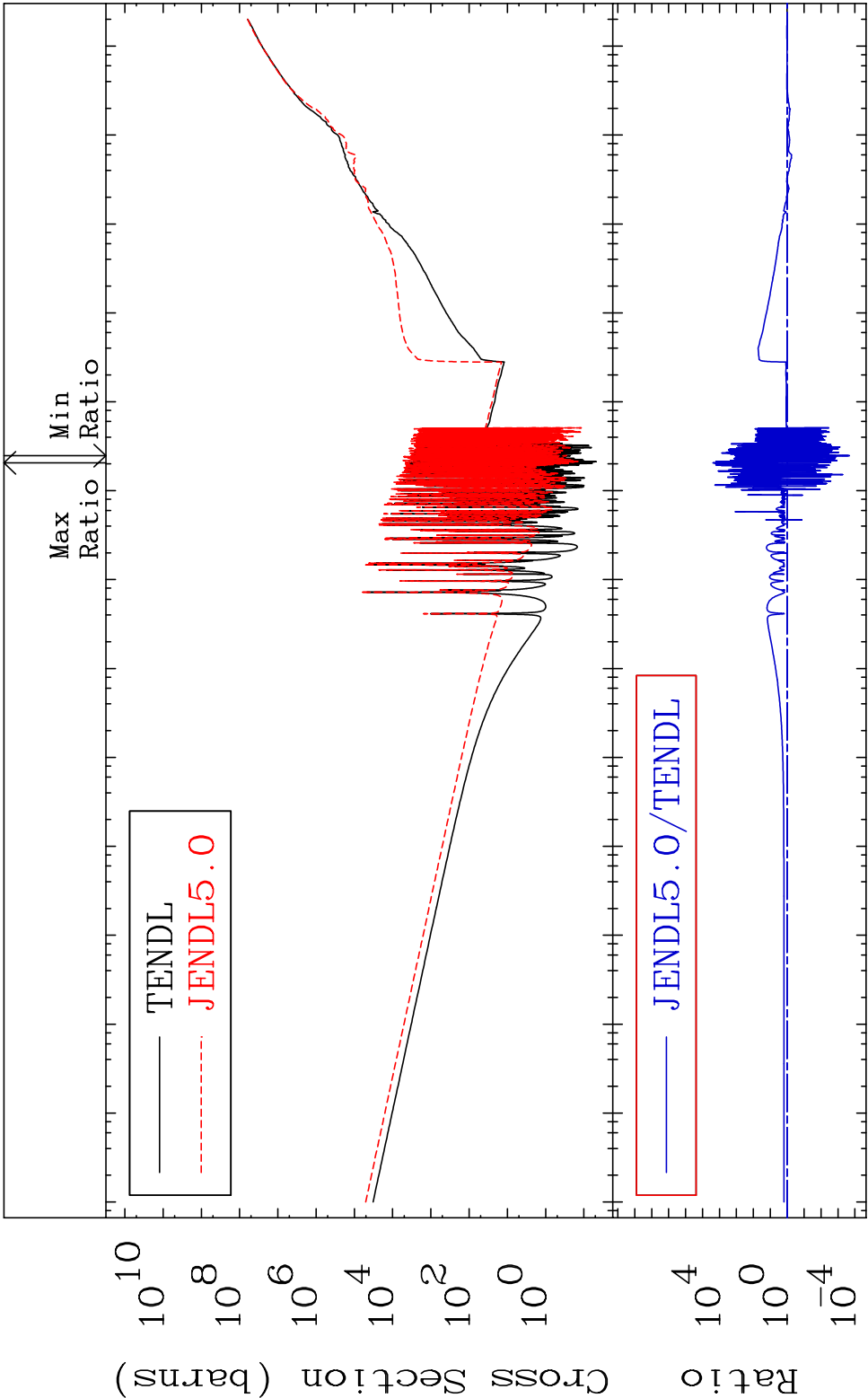
40 Incident Energy (eV) 53-I -129

MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
Cross Section -99.98 To 9999. %



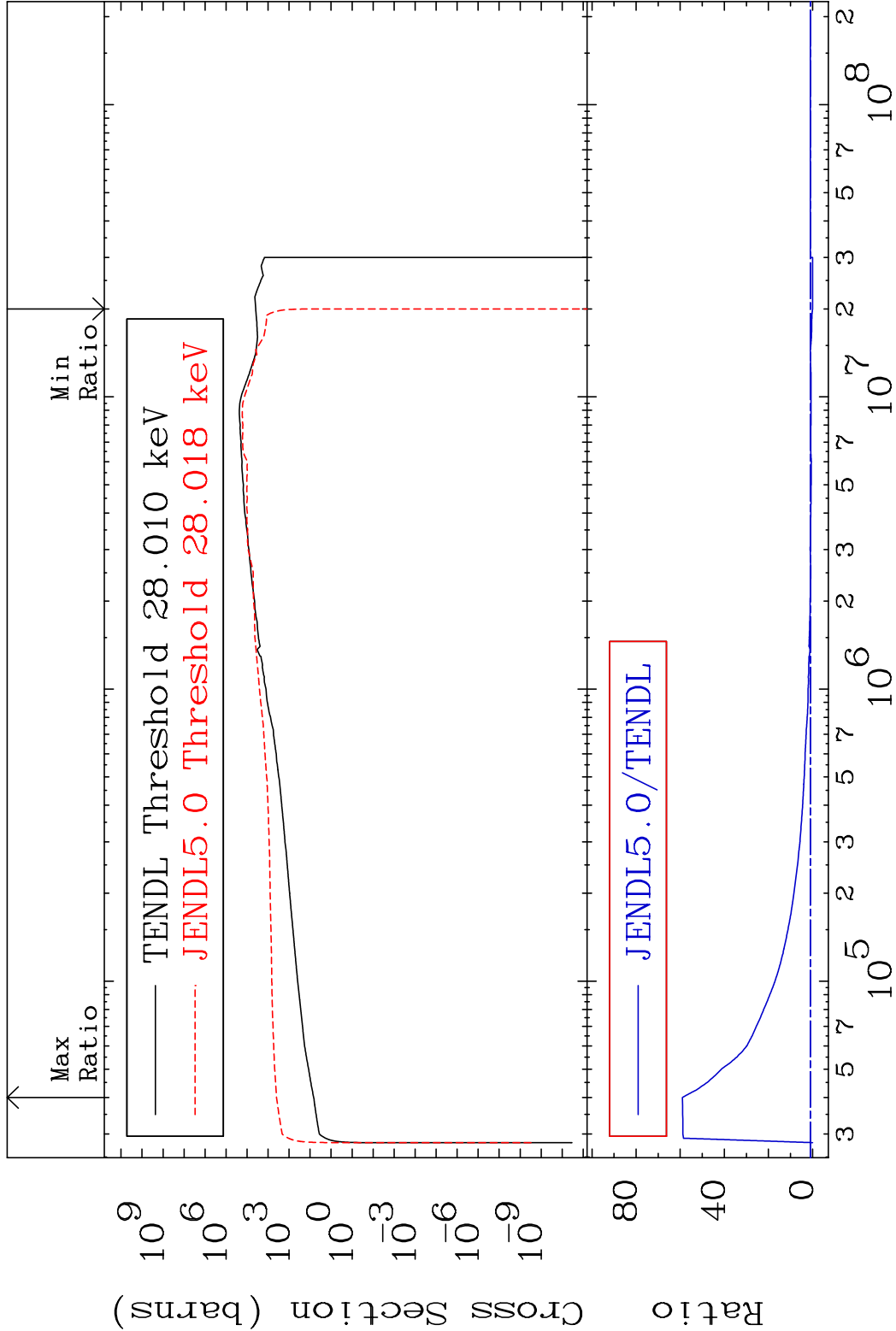
41 Incident Energy (eV) 53-I -129

MAT 5331 Kerma non-elastic (all but mt2) 53-I -129
 Cross Section -99.98 To 9999. %



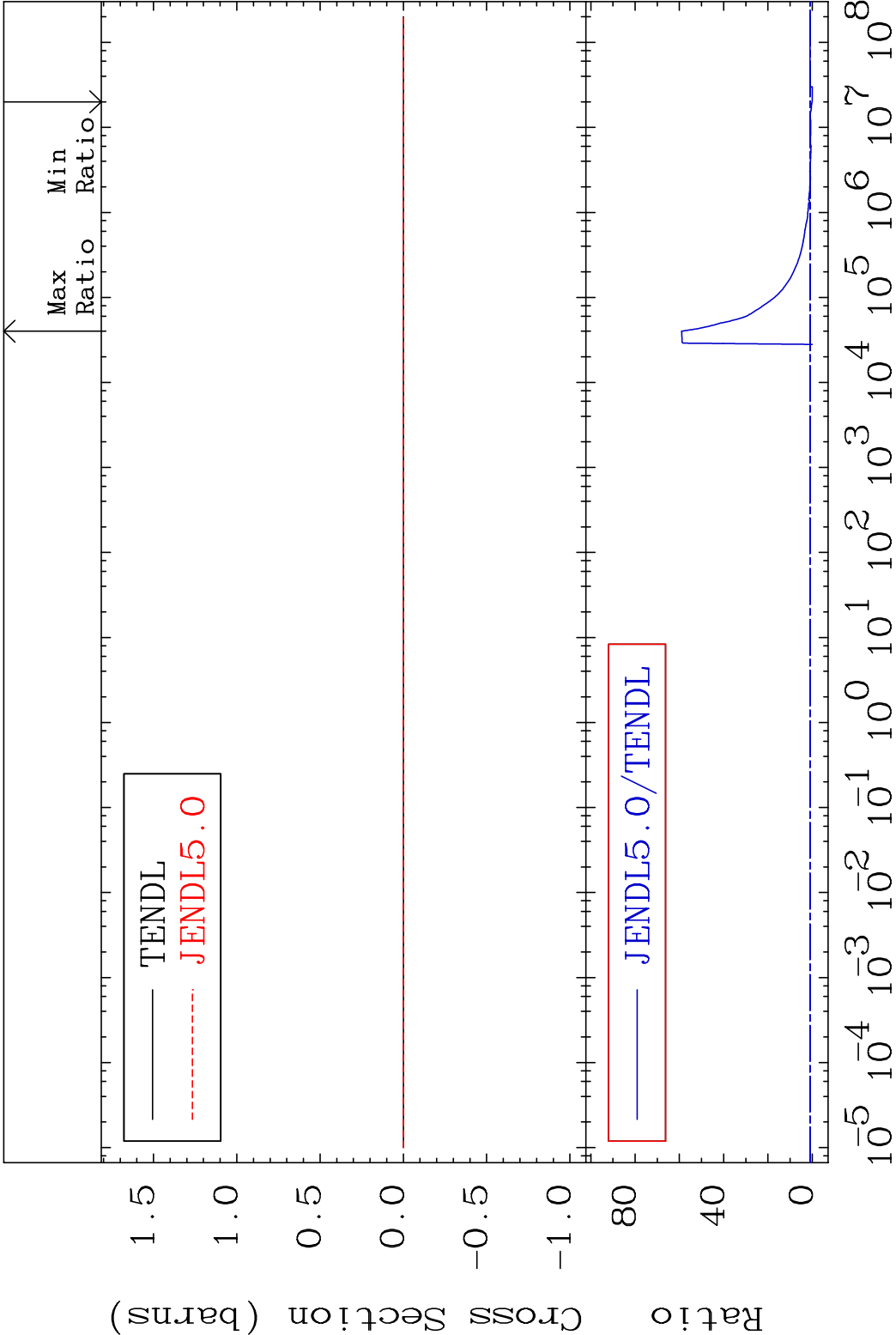
42 Incident Energy (eV) 53-I -129

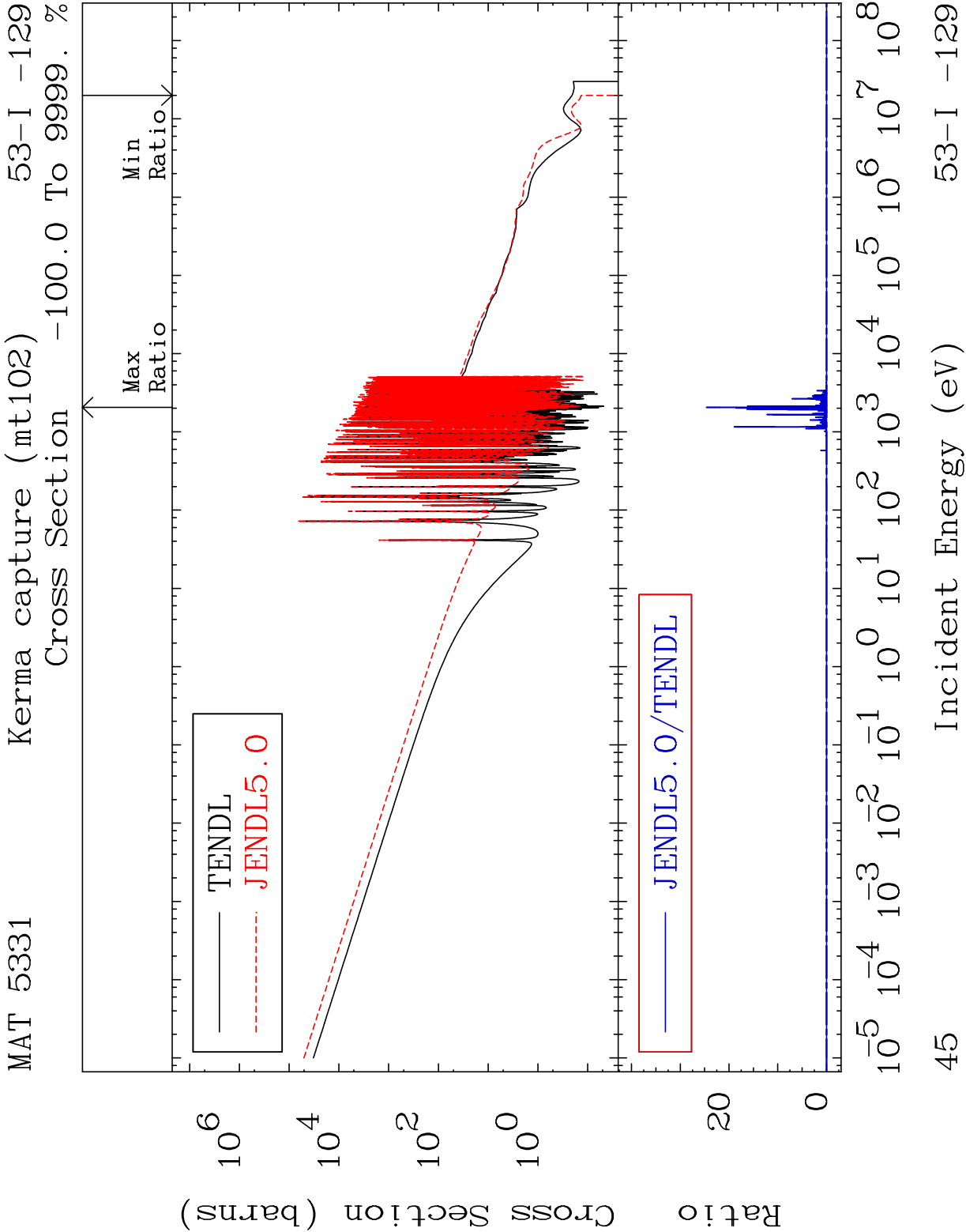
MAT 5331 Kerma inelastic (mt51-91) 53-I -129
Cross Section -100.2 To 5803. %



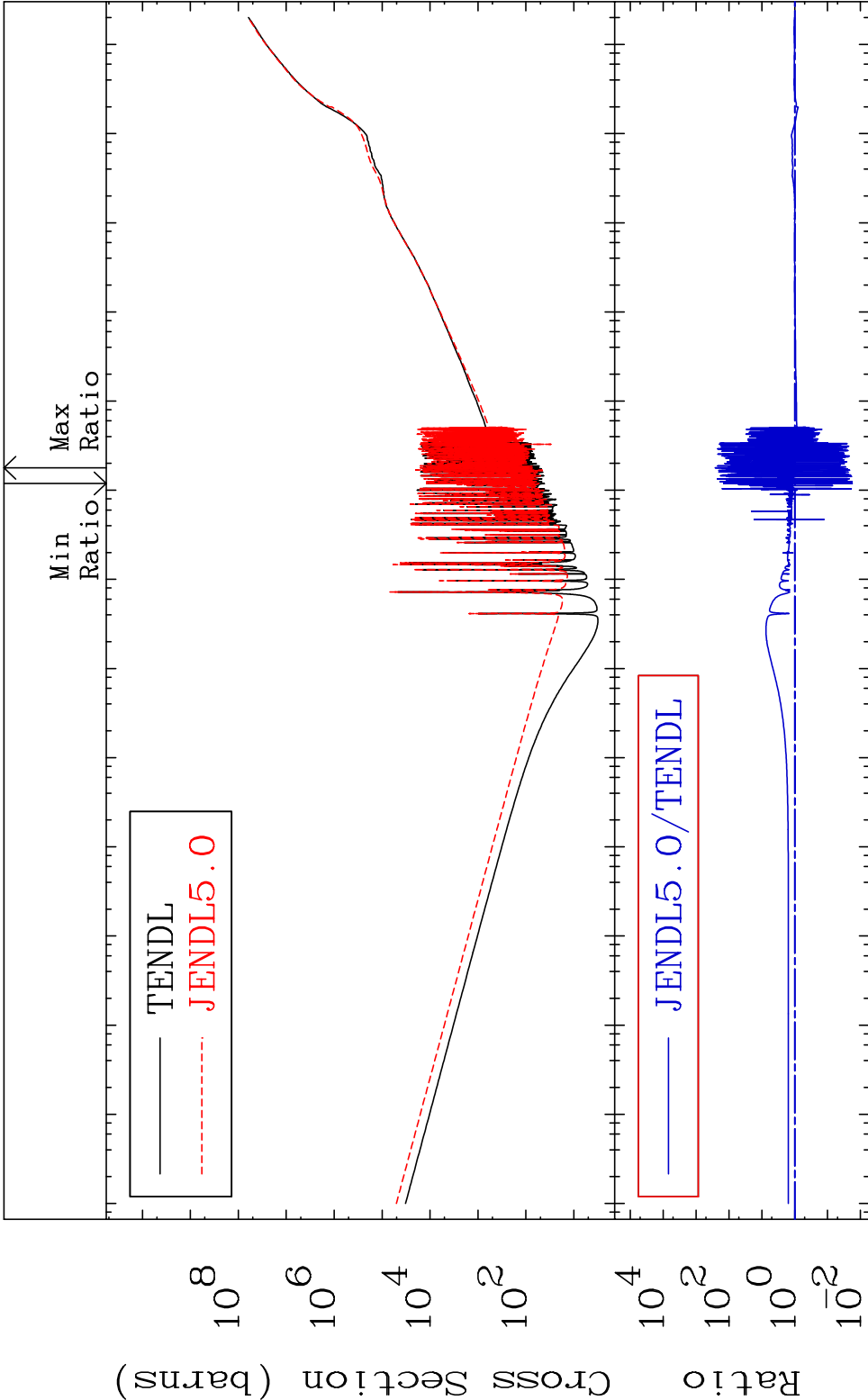
43 Incident Energy (eV) 53-I -129

MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129
Cross Section -100.2 To 5803. %



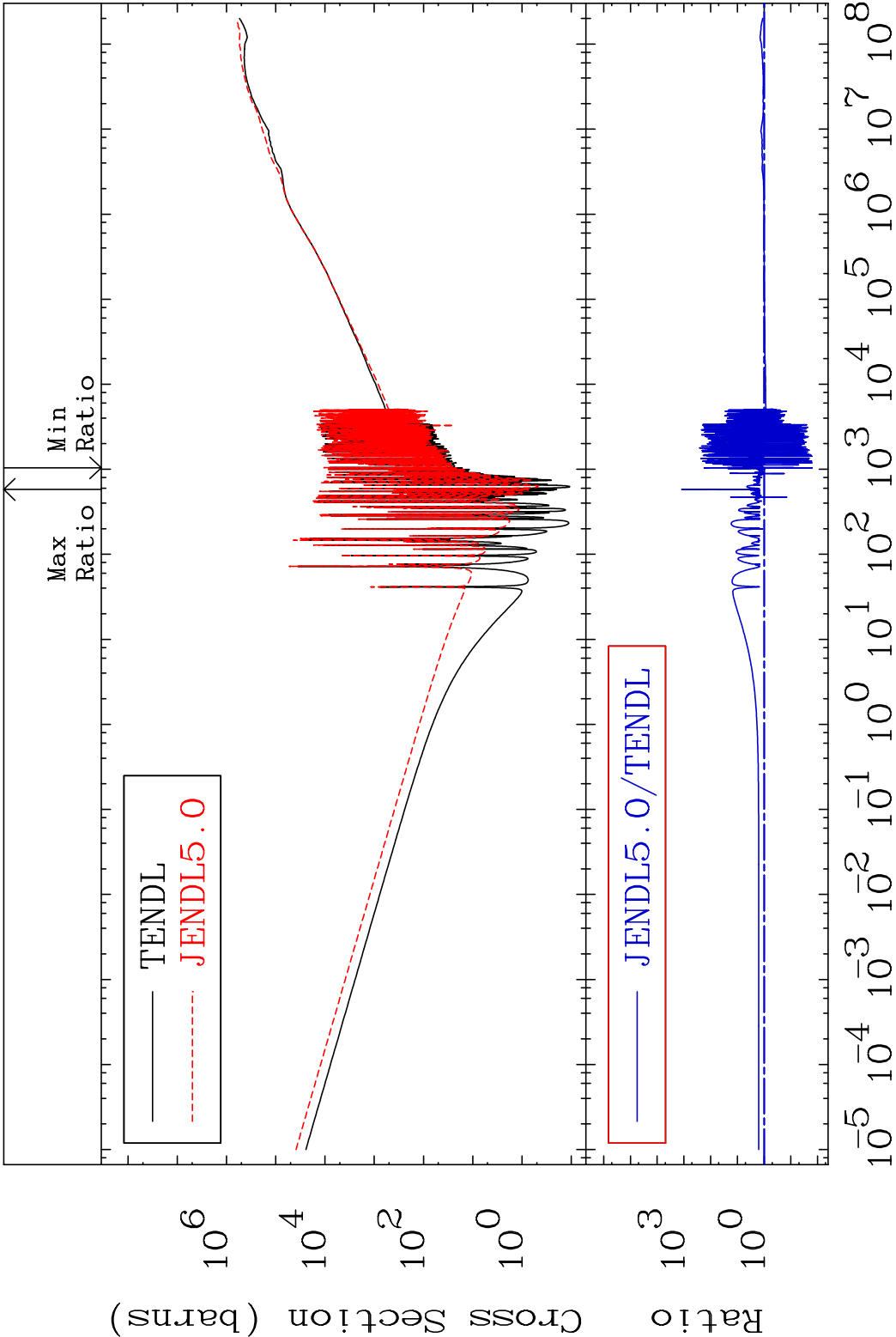


MAT 5331 Total kinematic kerma (high limit) 53-I -129
Cross Section -98.21 To 9999. %



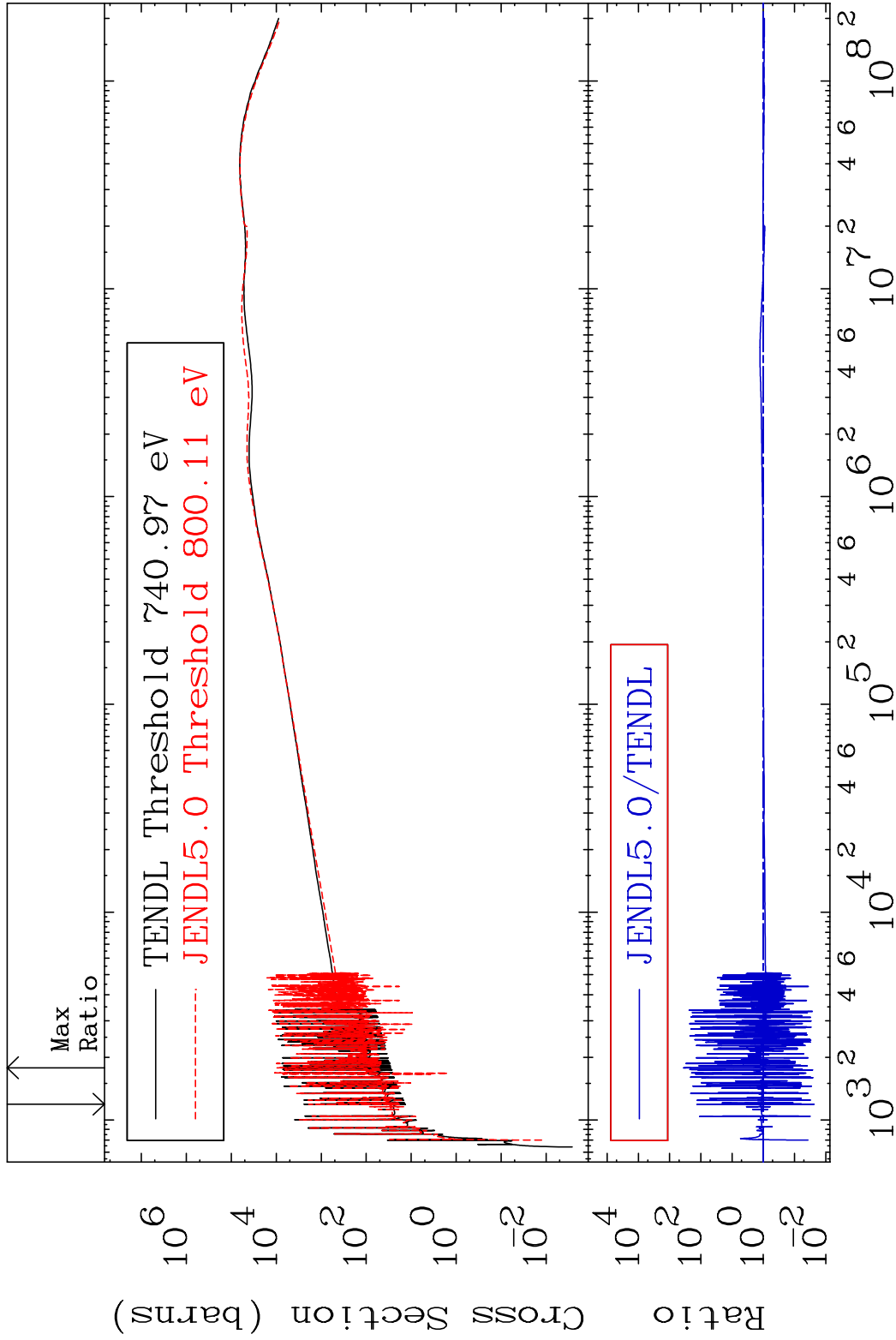
Incident Energy (eV) 53-I -129

MAT 5331 Dpa total (eV-barns) 53-I -129
Cross Section -98.41 To 9999. %

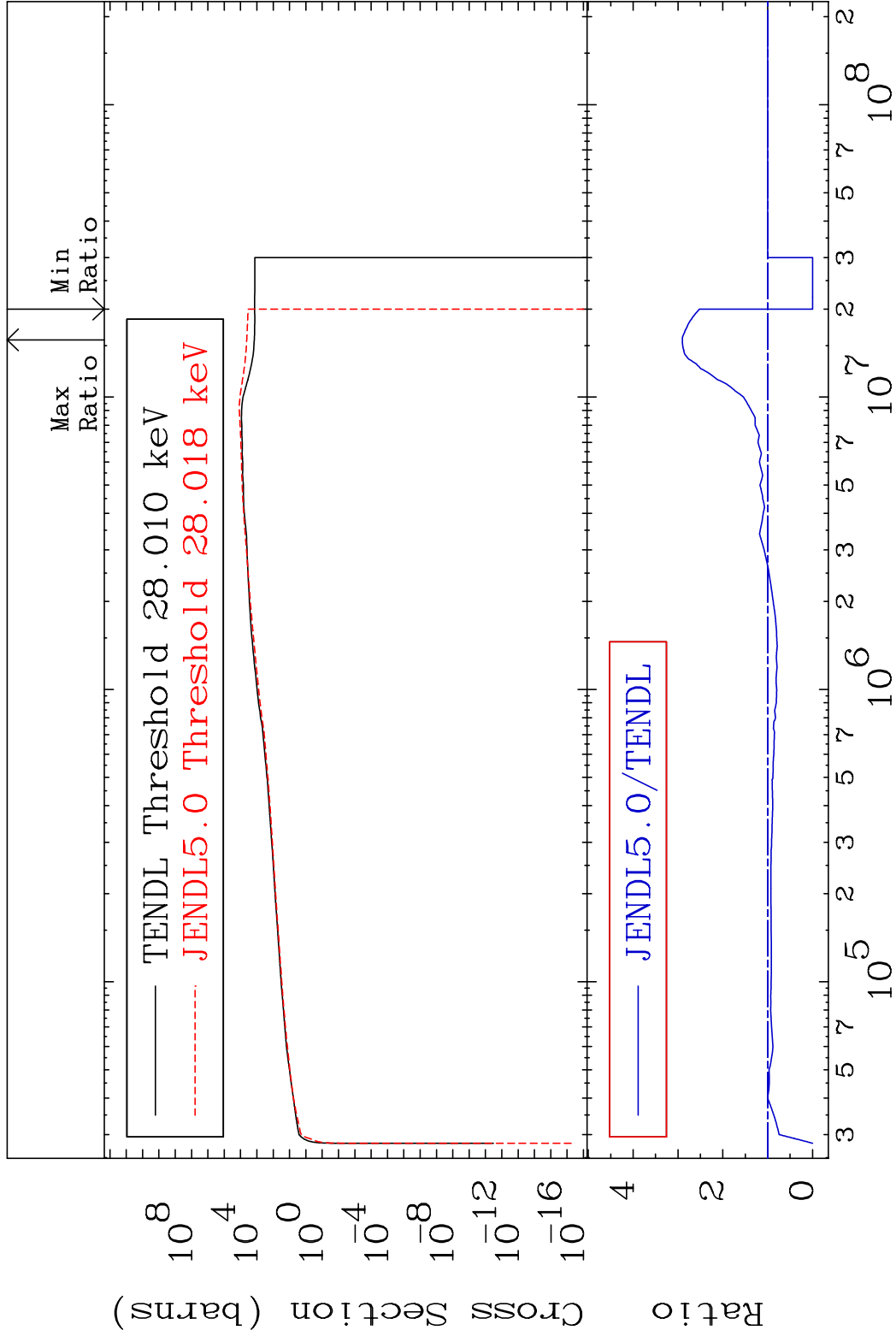


48 Incident Energy (eV) 53-I -129

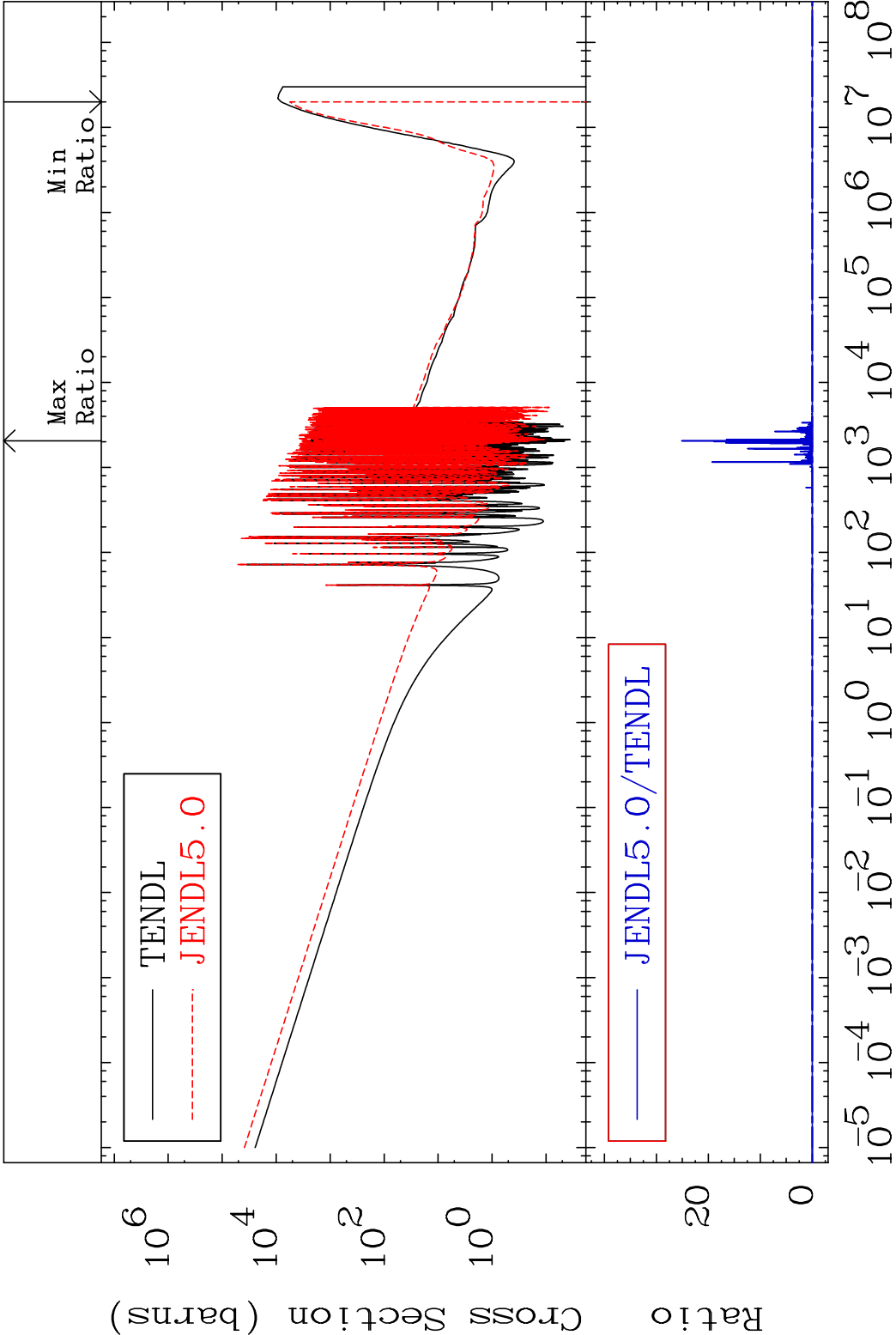
MAT 5331	Dpa elastic (mt2)	53-I -129
	Cross Section	-97.64 To 9999. %



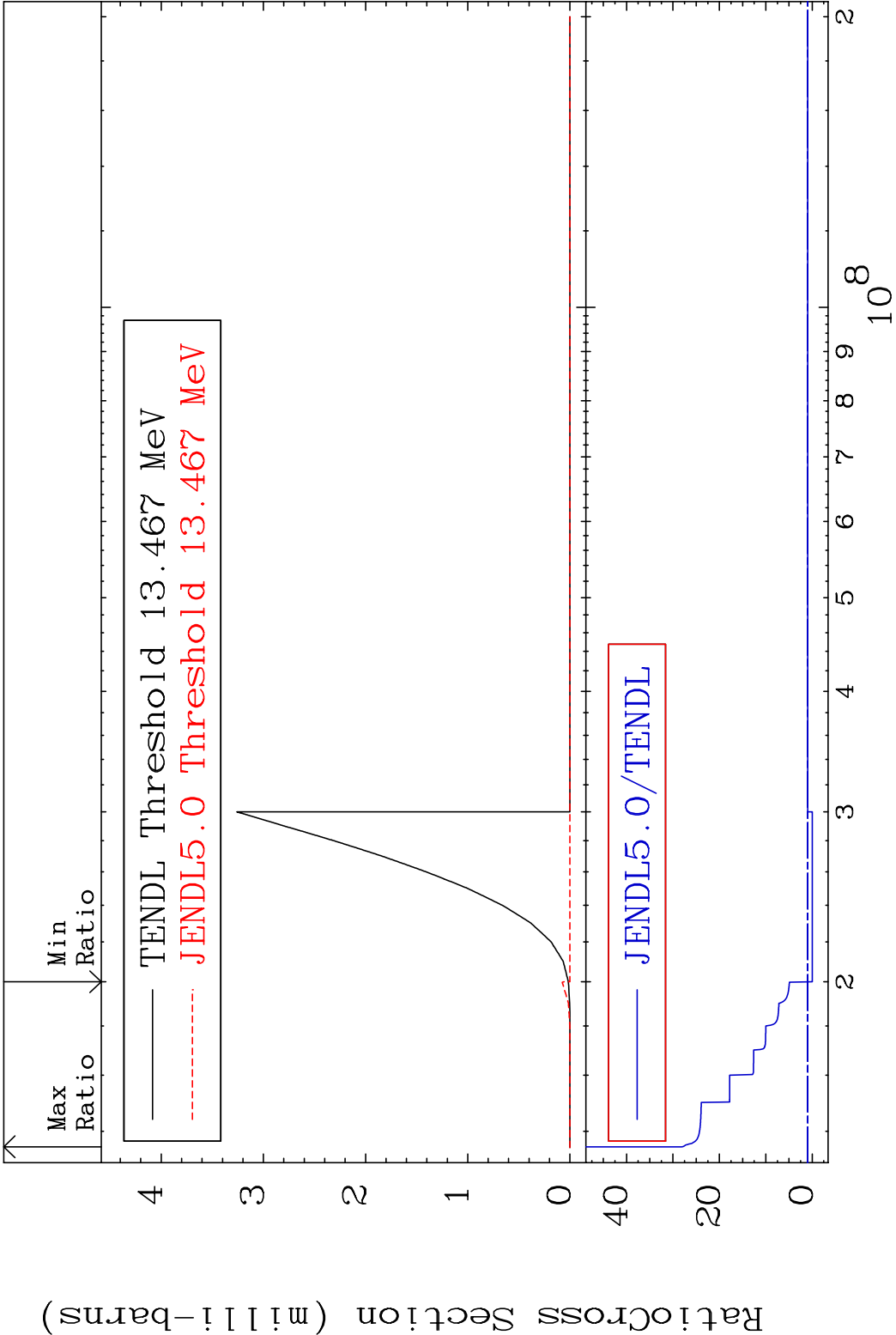
MAT 5331 Dpa inelastic (mt51-91) 53-I -129
Cross Section -100.0 To 190.2 %

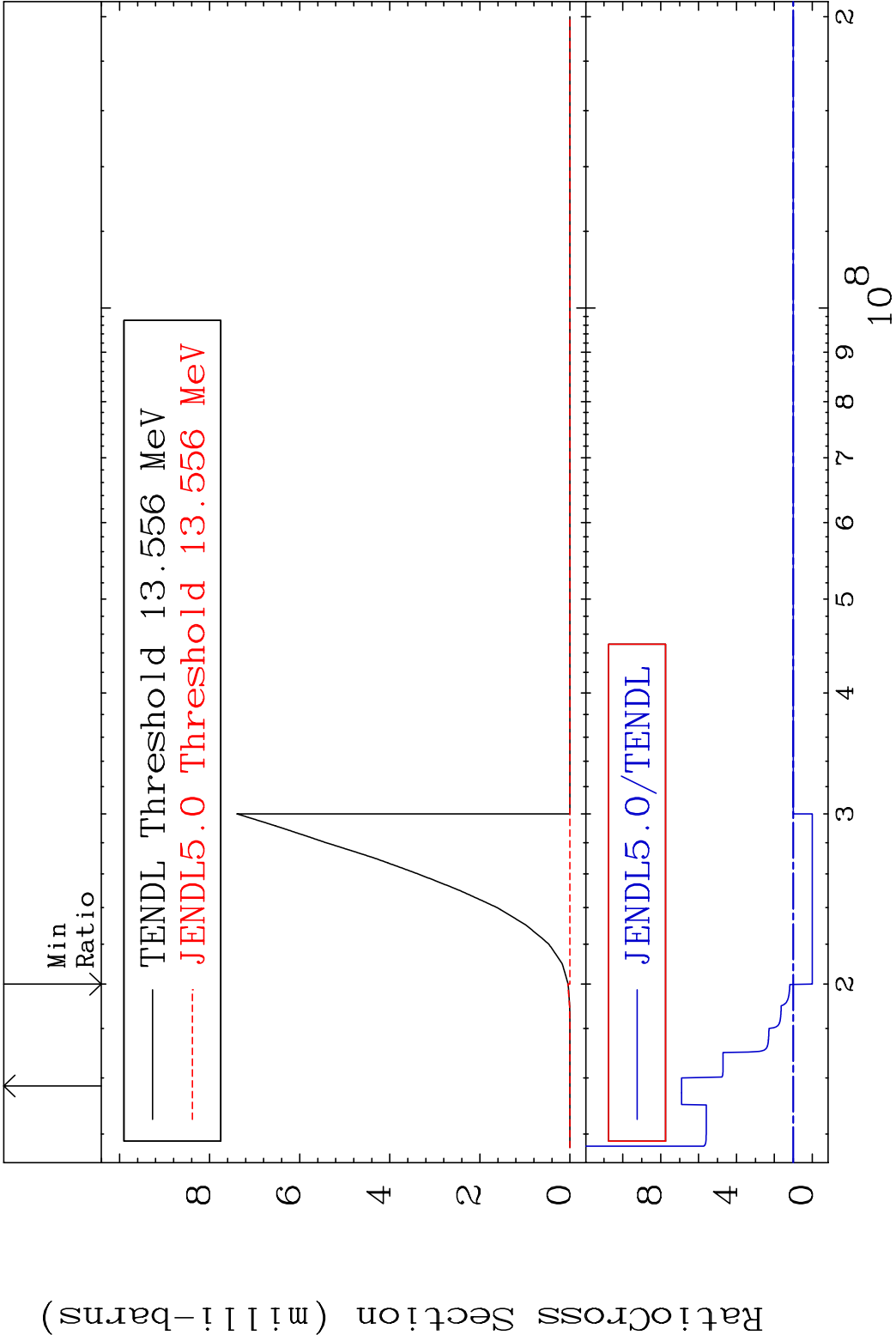


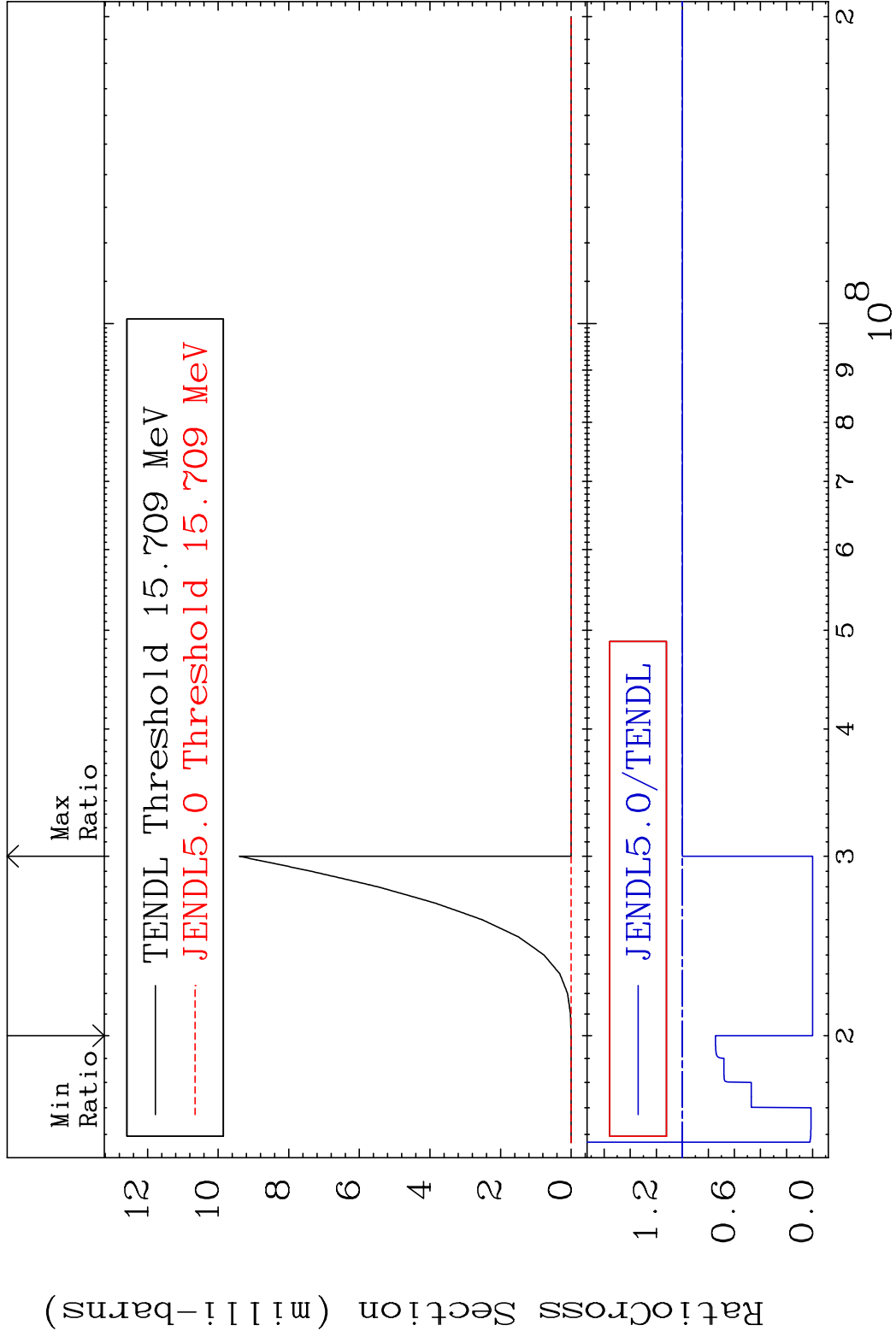
MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
Cross Section -100.0 To 9999. %

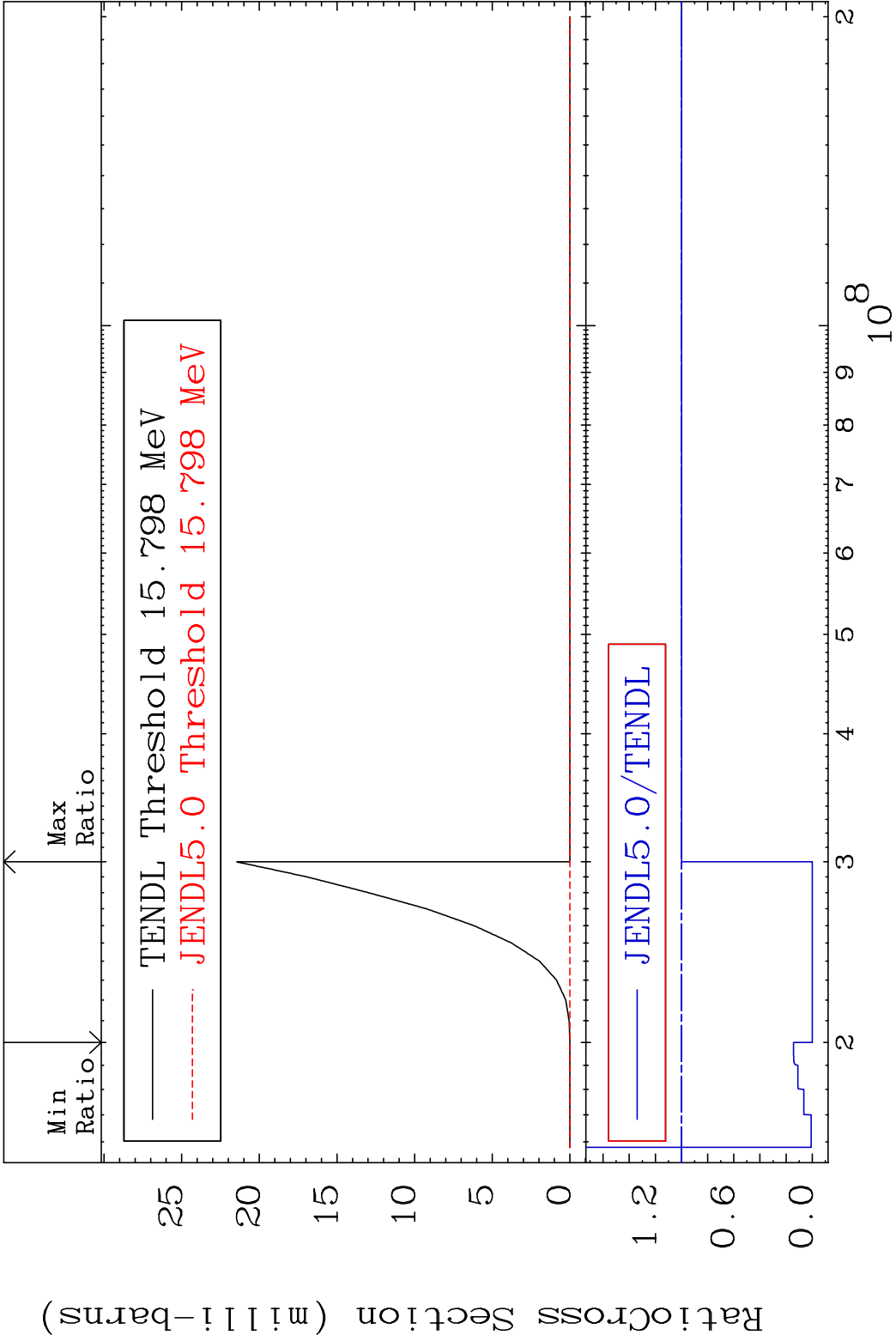


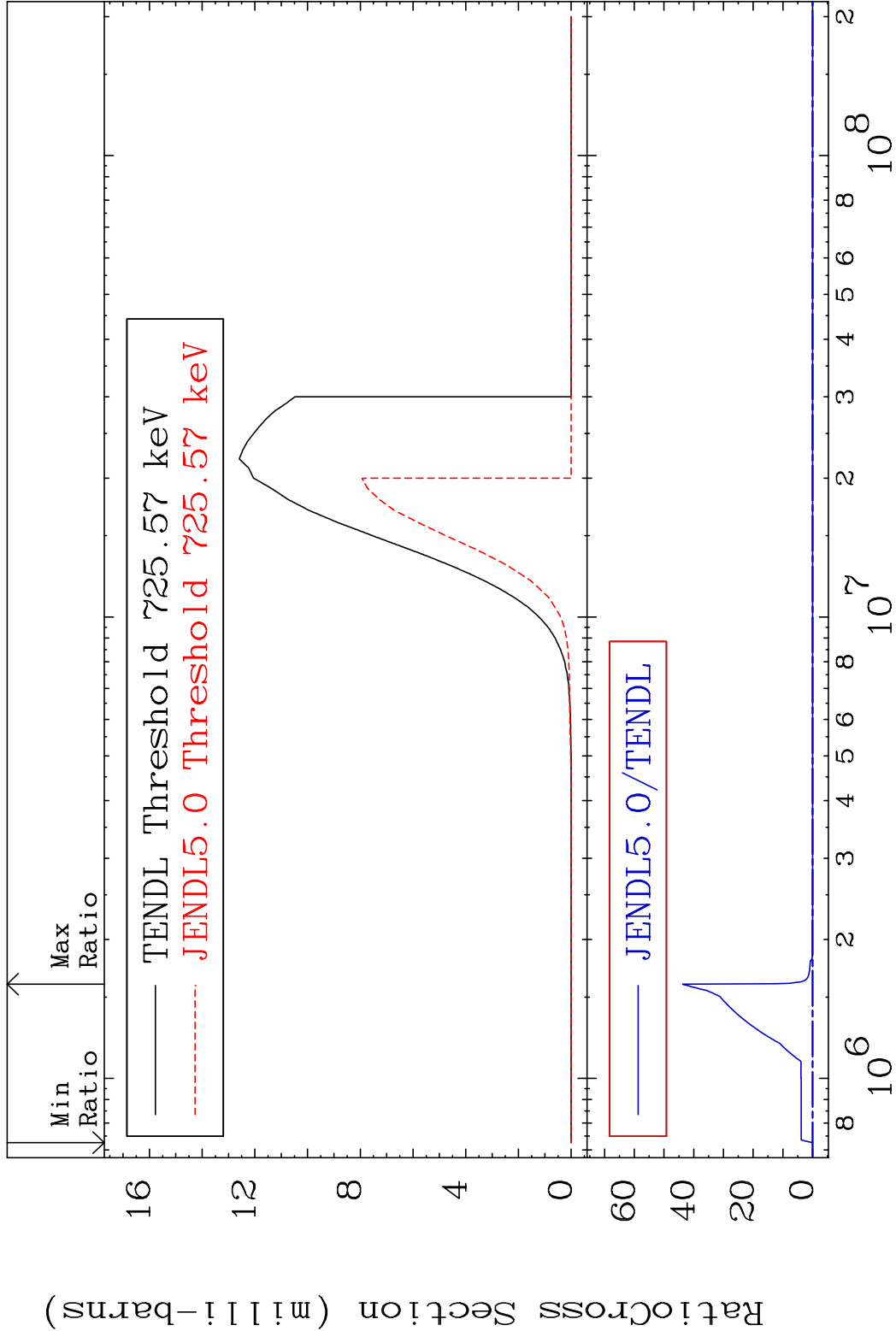
51 Incident Energy (eV) 53-I -129

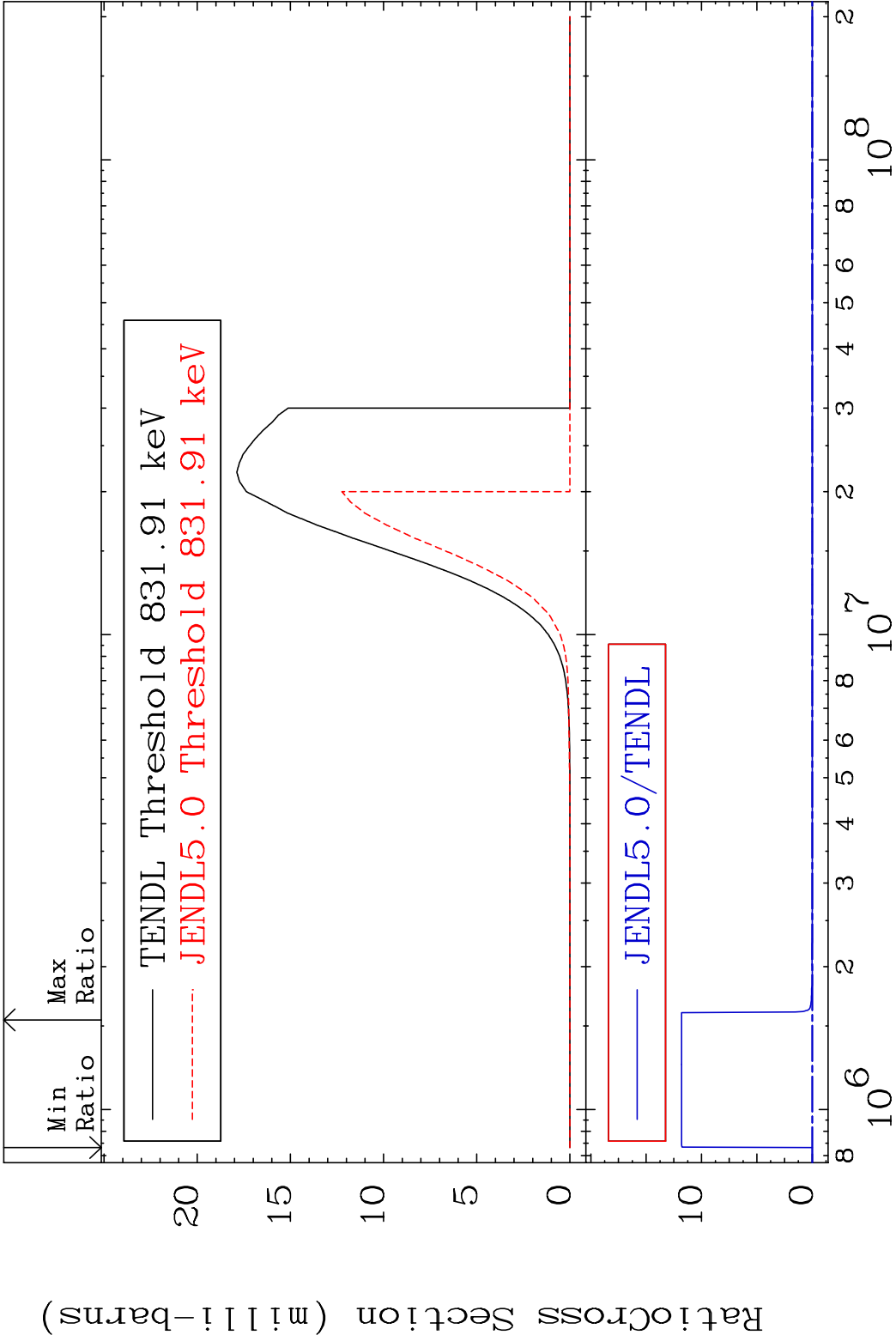


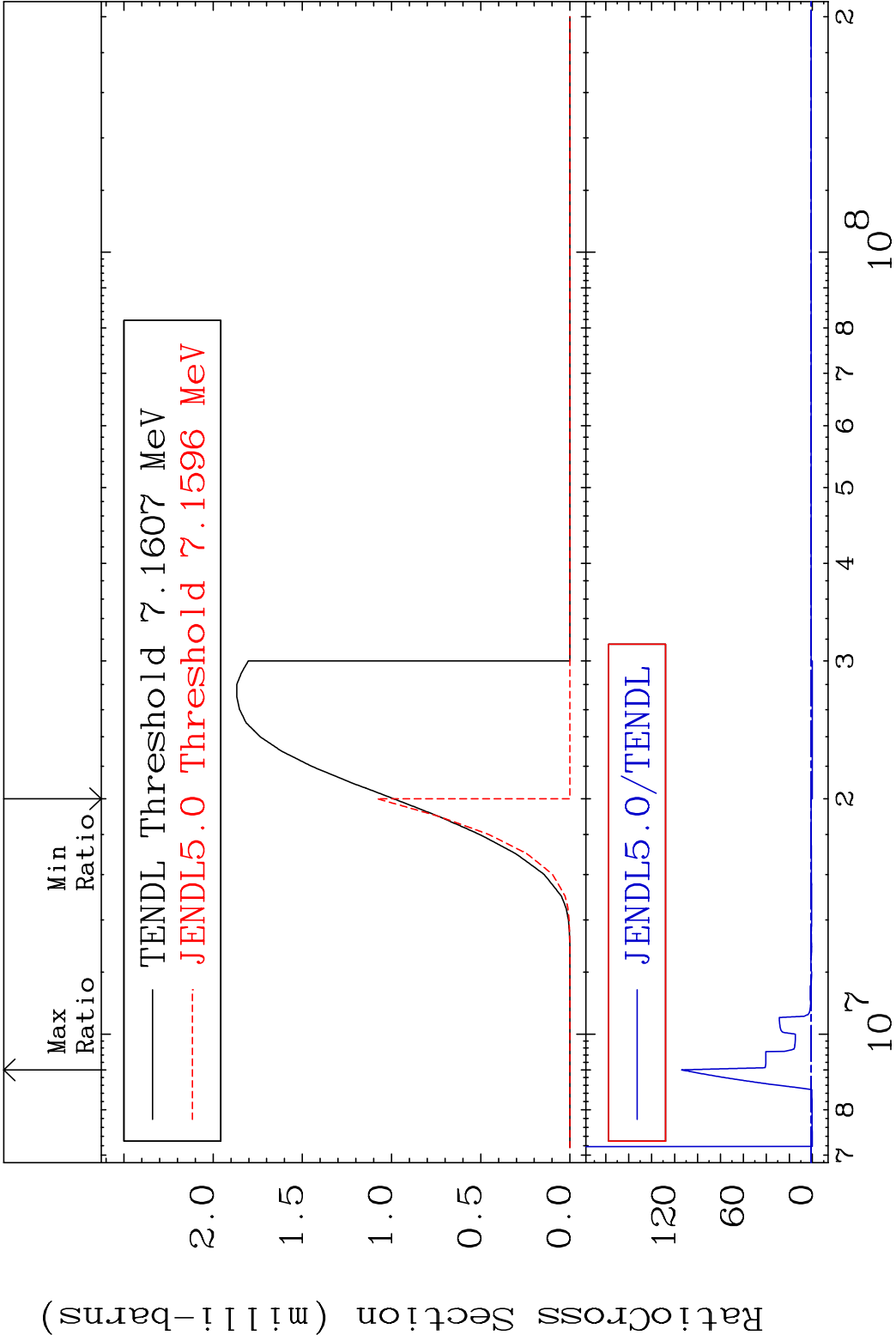




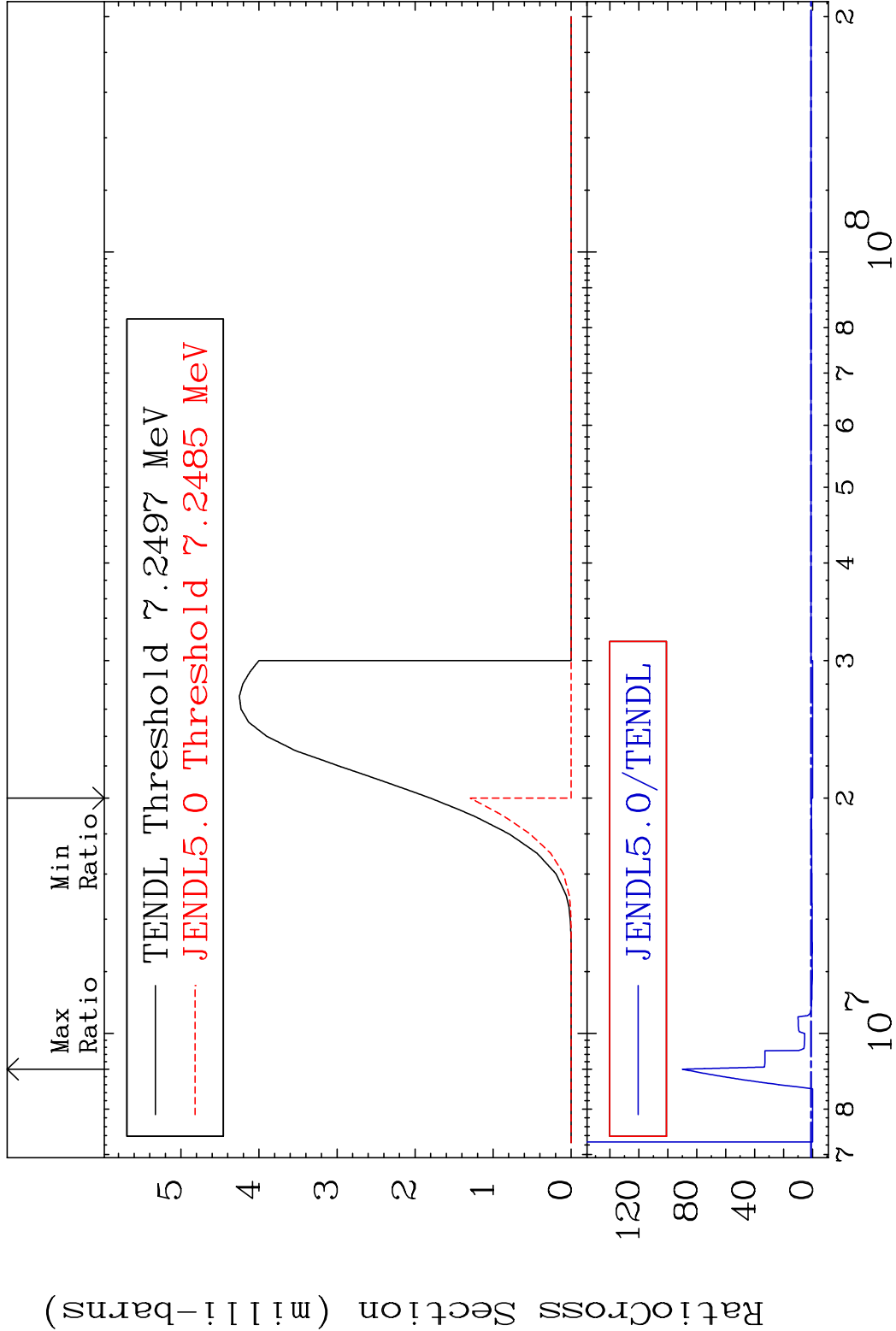




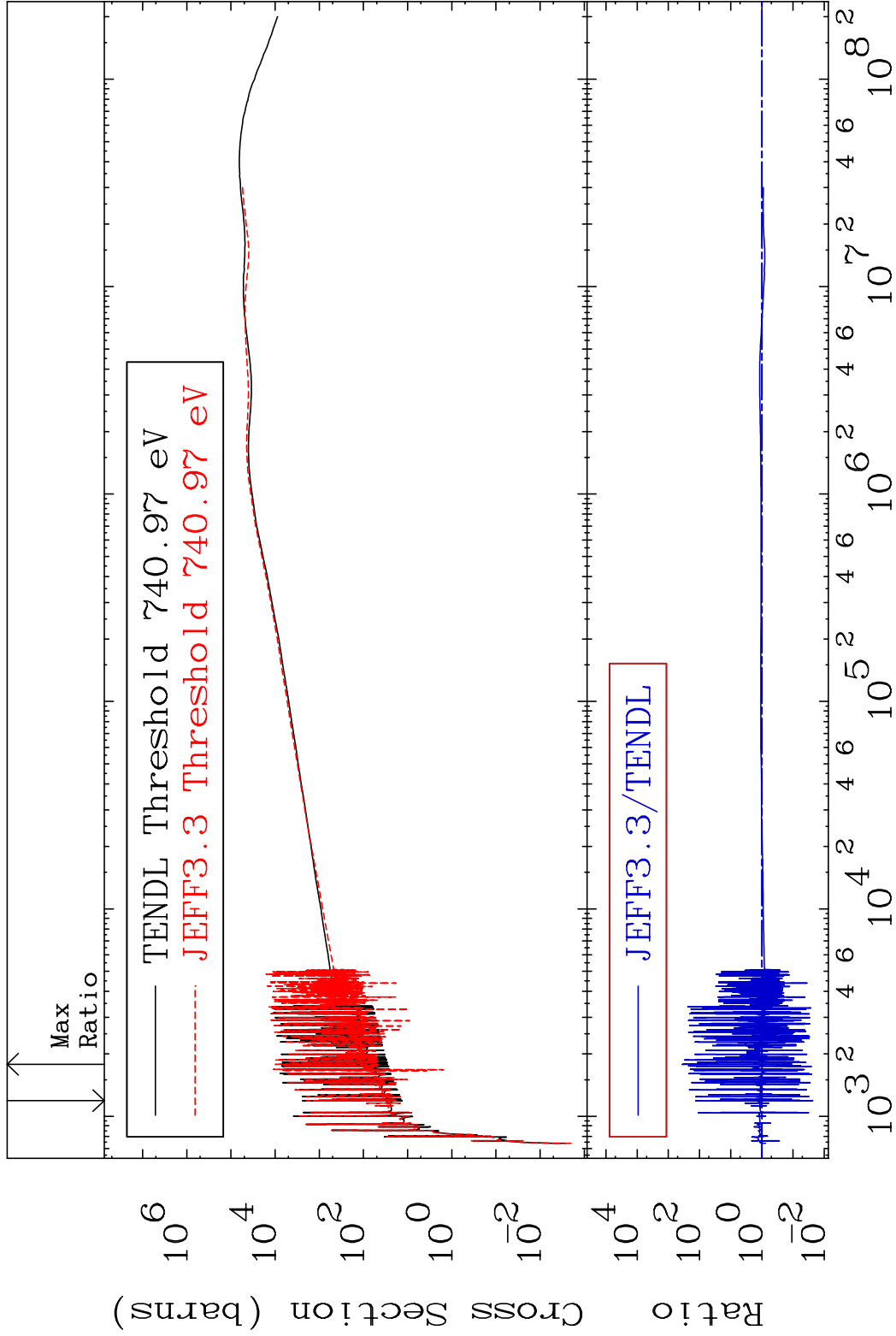




Radionuclide Production Cross Section (mb) 8897. %

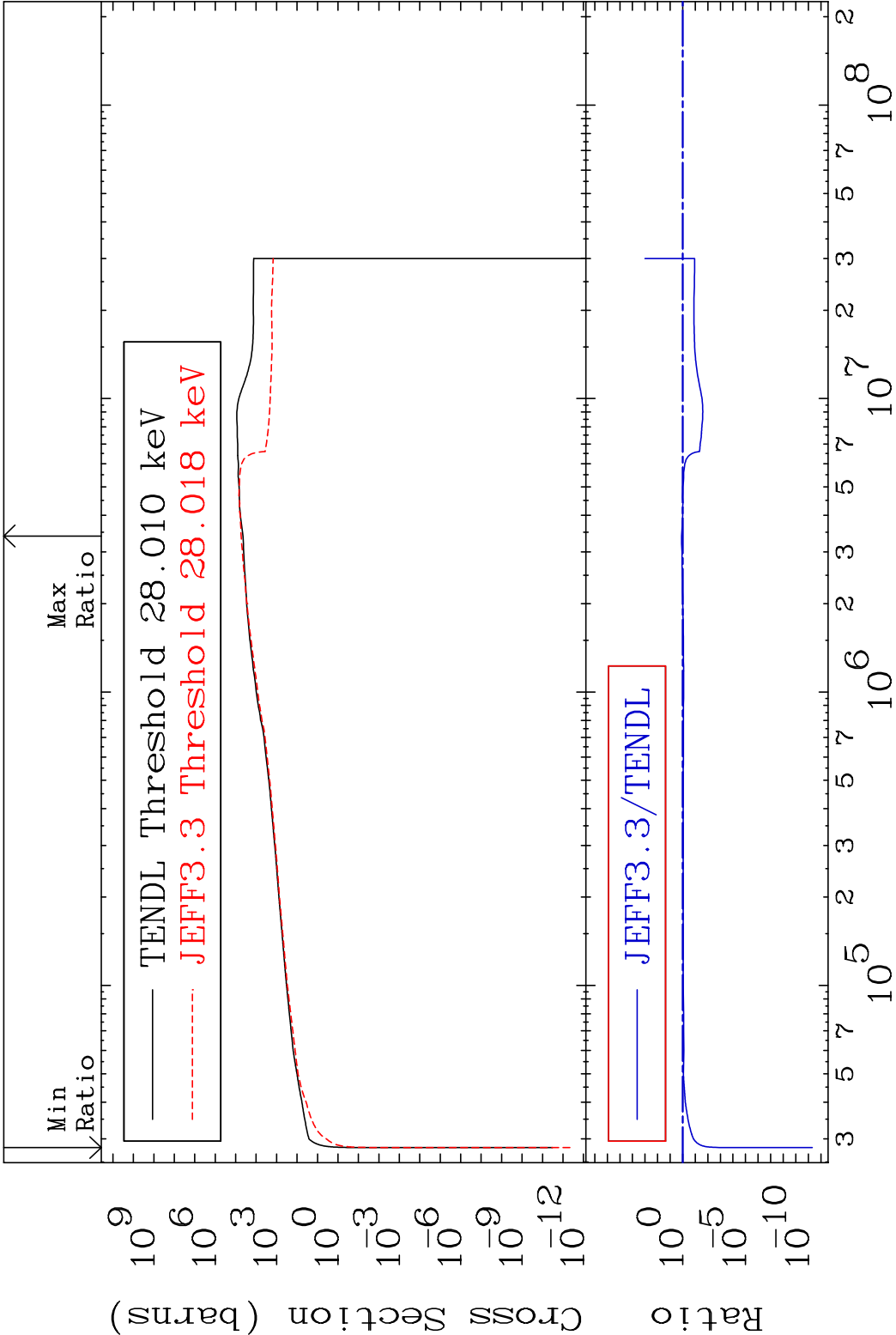


MAT 5331 Dpa elastic (mt2) 53-I -129
Cross Section -97.63 To 9999. %

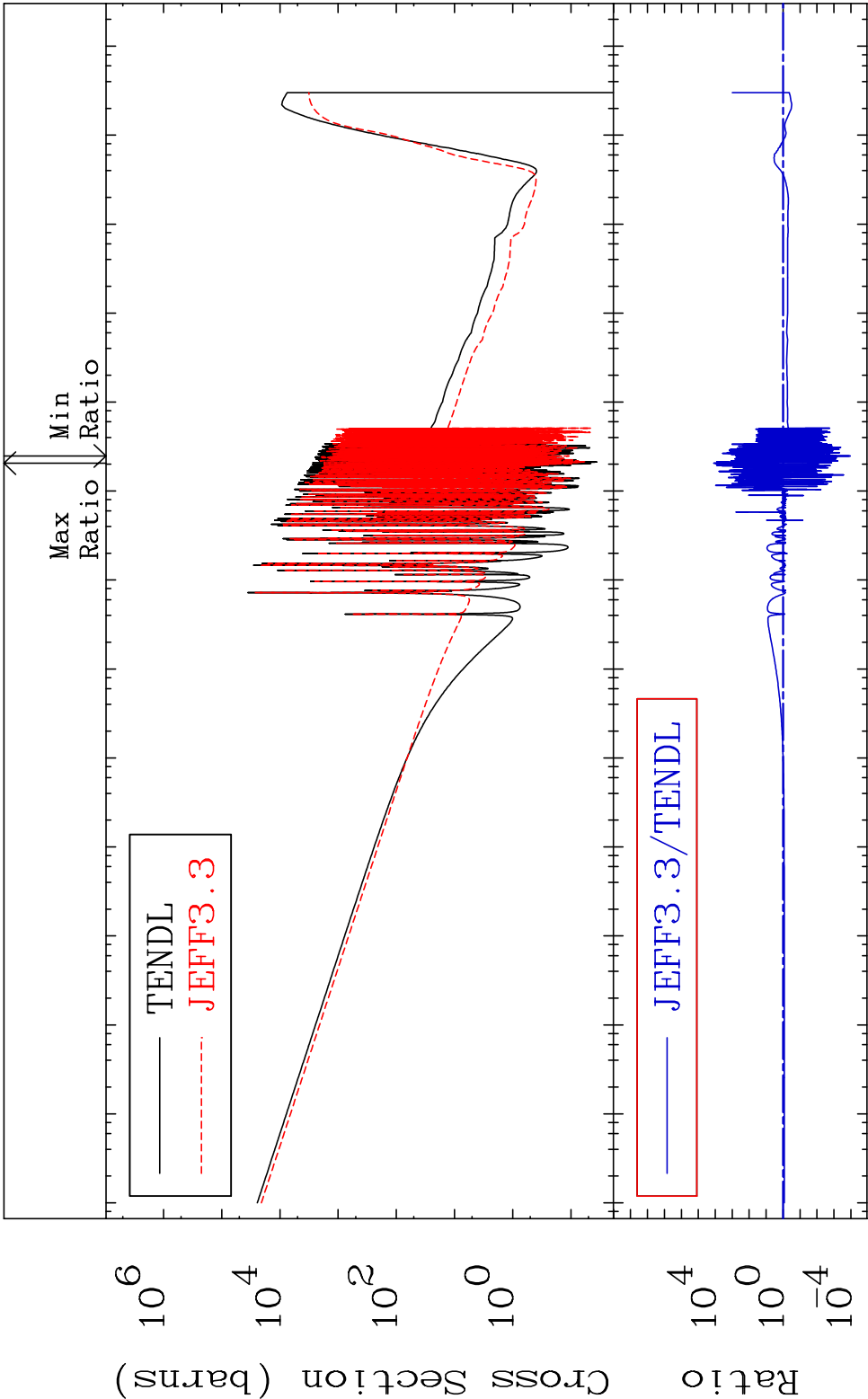


60 Incident Energy (eV) 53-I -129

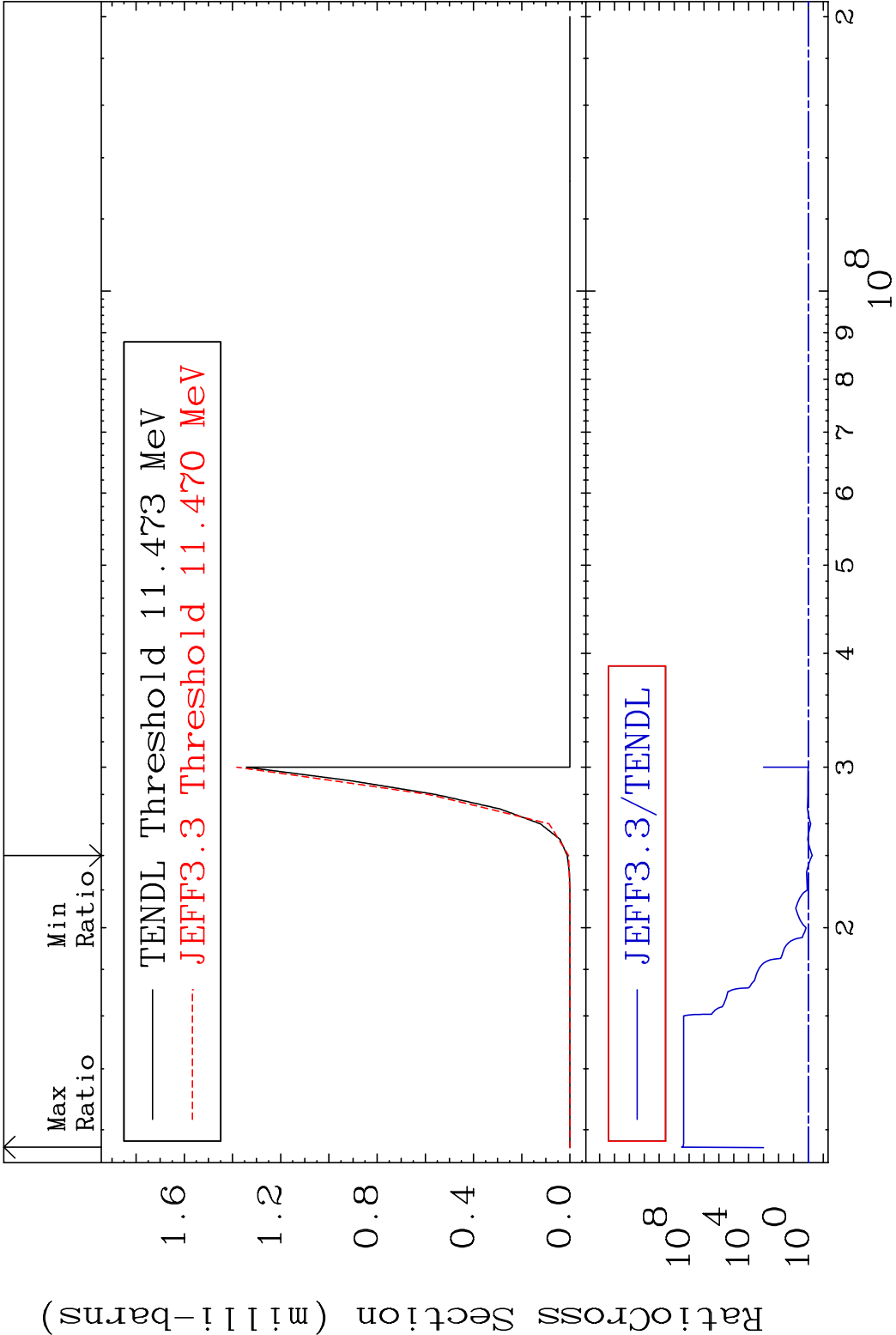
MAT 5331 Dpa inelastic (mt51-91) 53-I -129
Cross Section -100.0 To 24.05 %

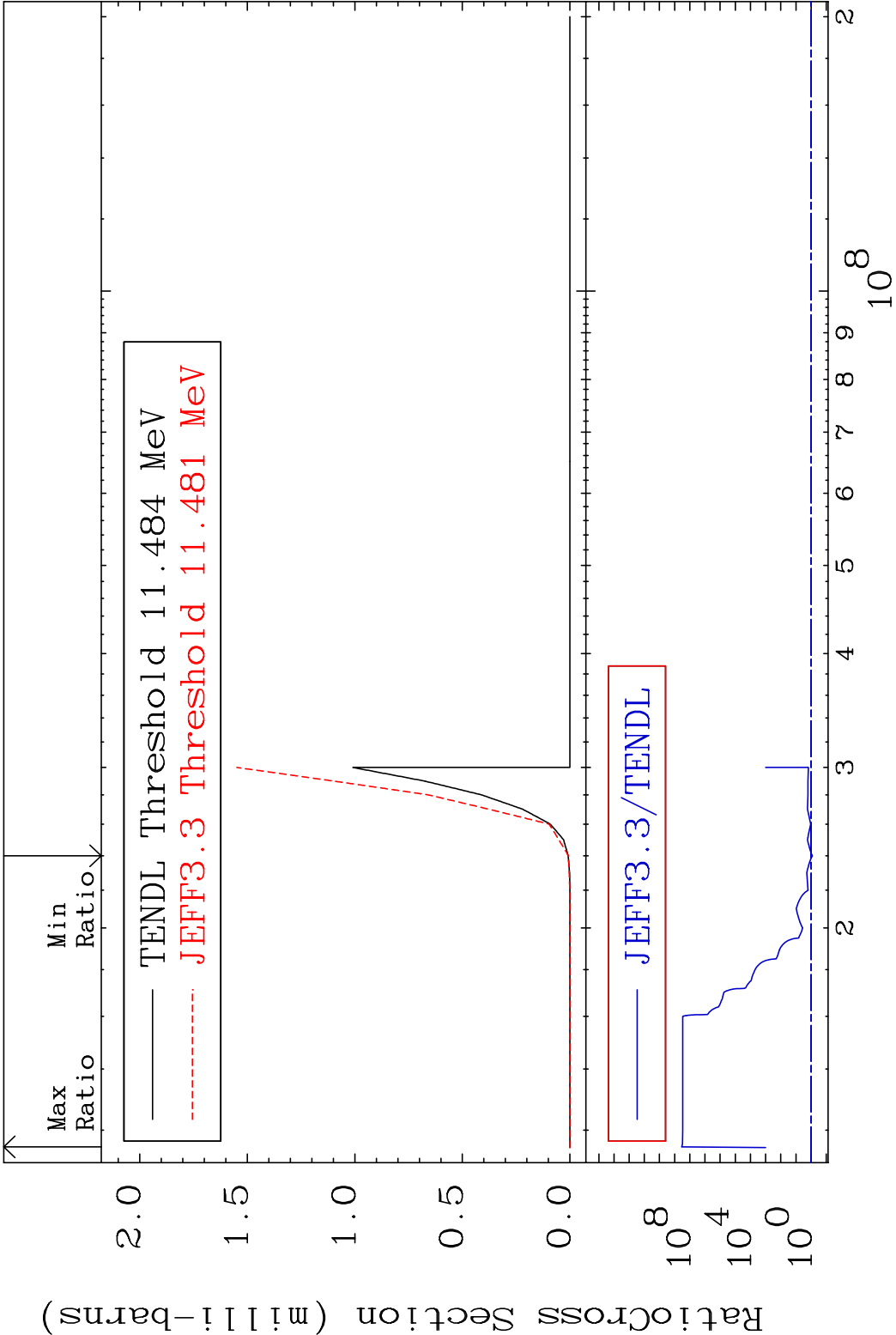


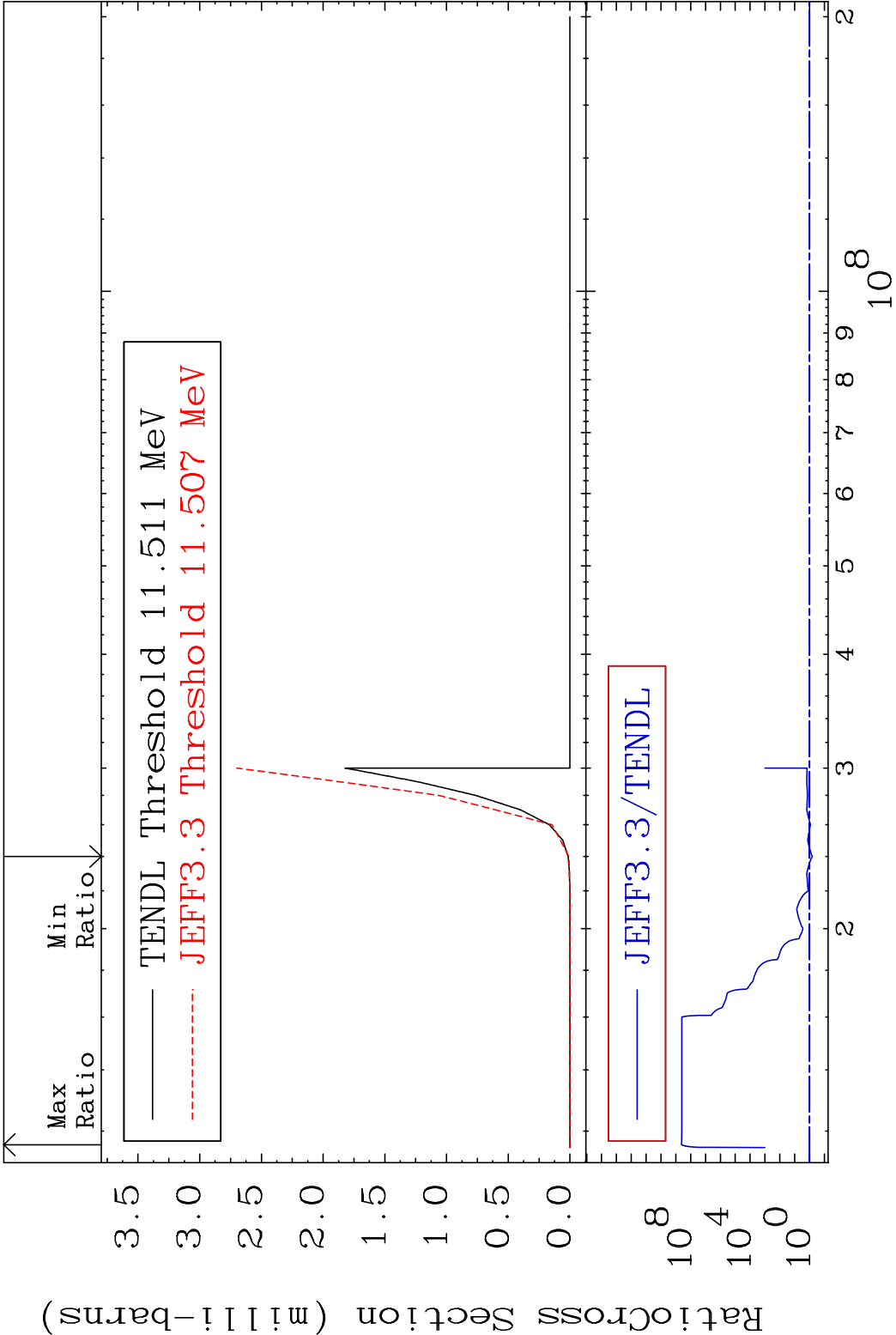
MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
Cross Section -99.99 To 9999. %

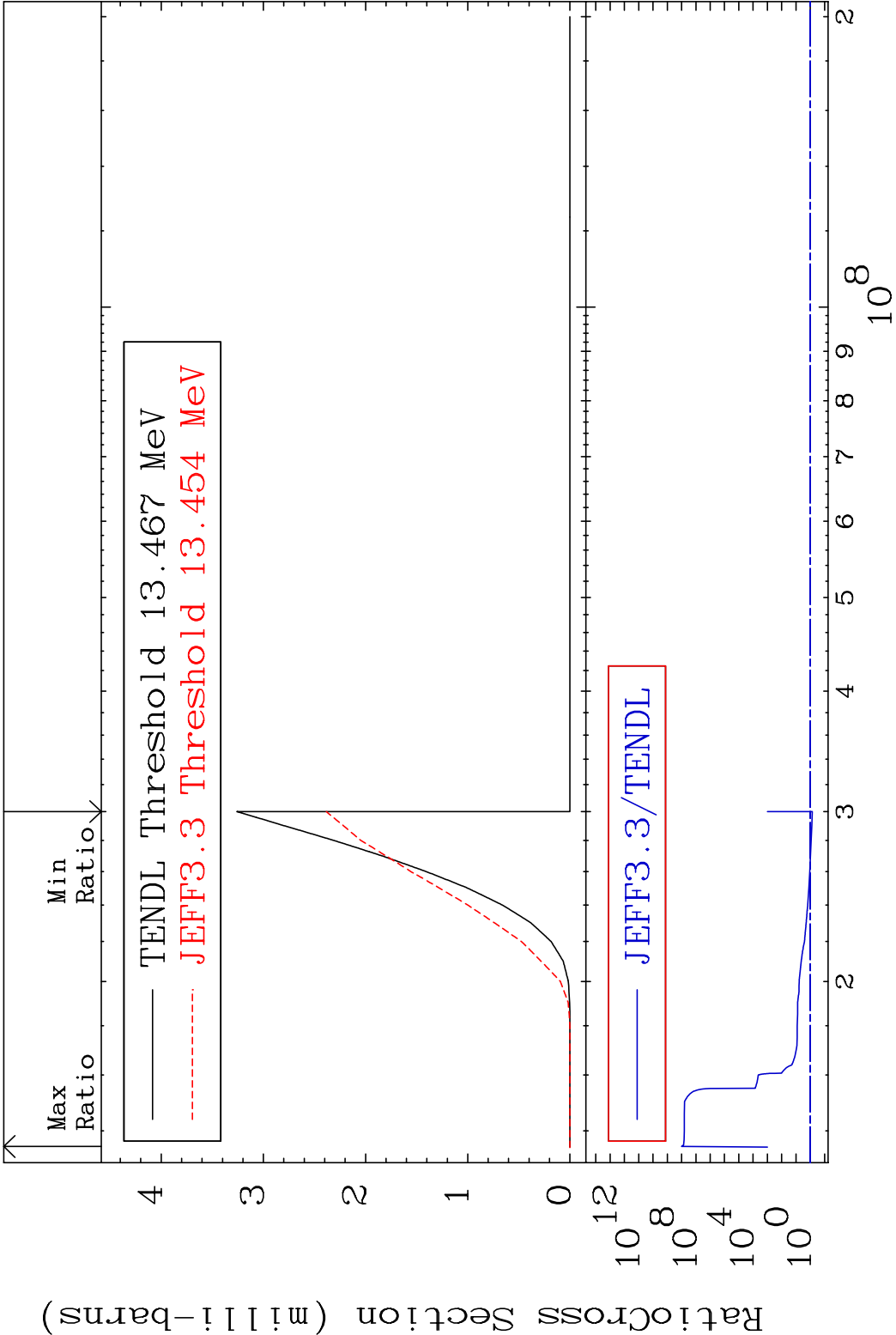


62 Incident Energy (eV) 53-I -129









Radionuclide Production Cross Section to 9999. %

