

Program Complot
(Version 2021-1)

by

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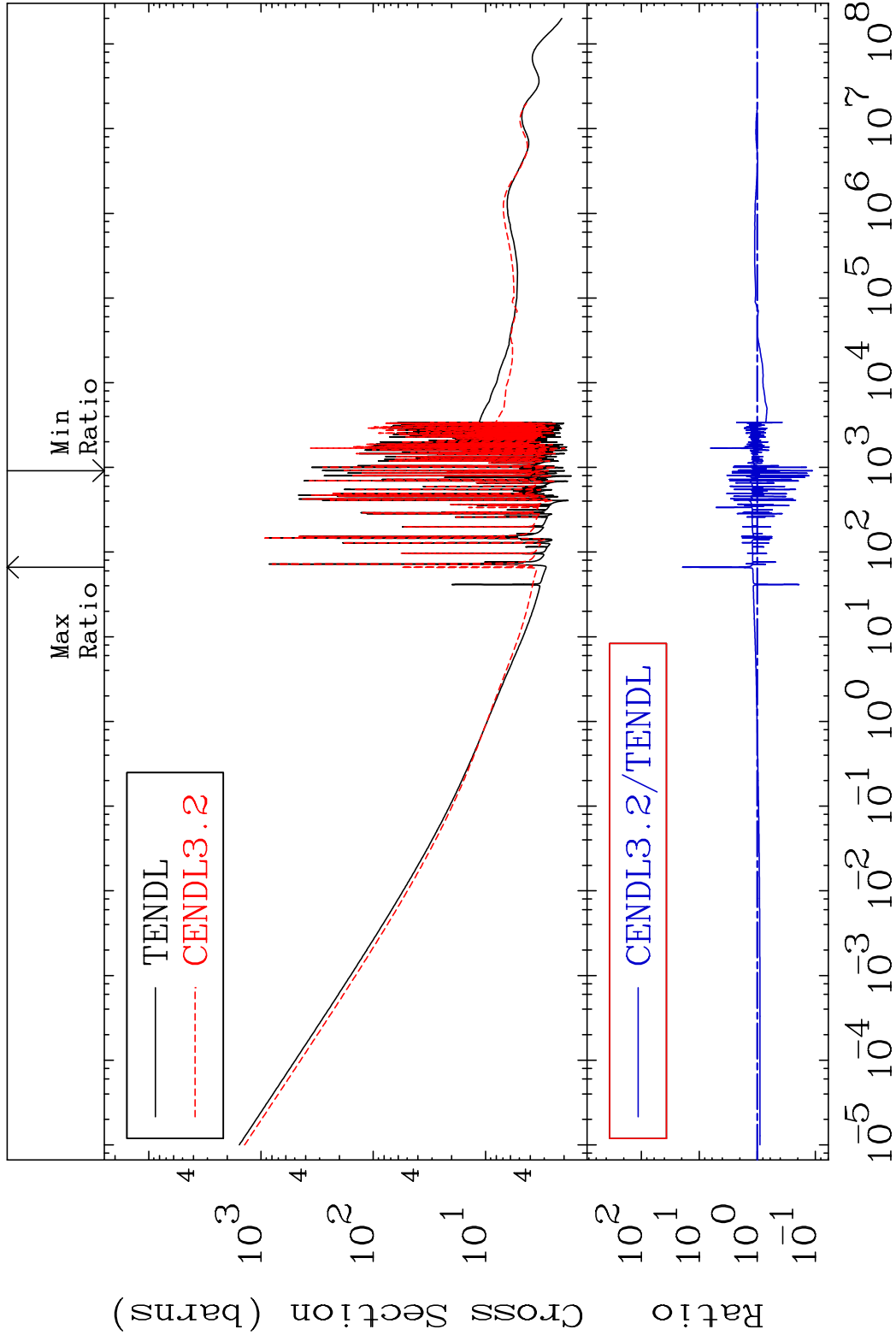
Press Mouse Button to Start

MAT 5331

Total

53-I -129

Cross Section -88.88 To 1854. %



1

Incident Energy (eV)

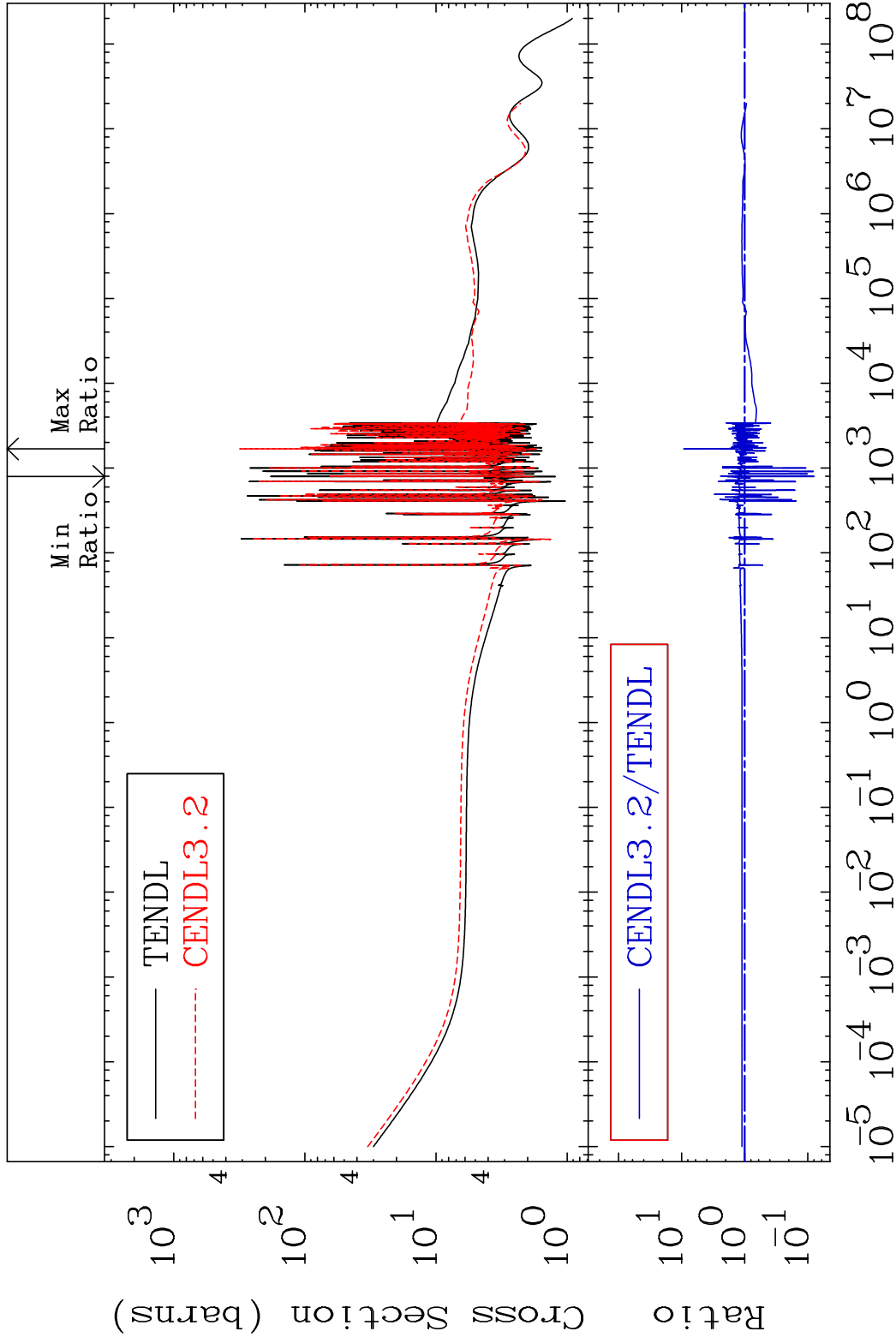
53-I -129

MAT 5331

Elastic

53-I -129

Cross Section -92.07 To 829.6 %

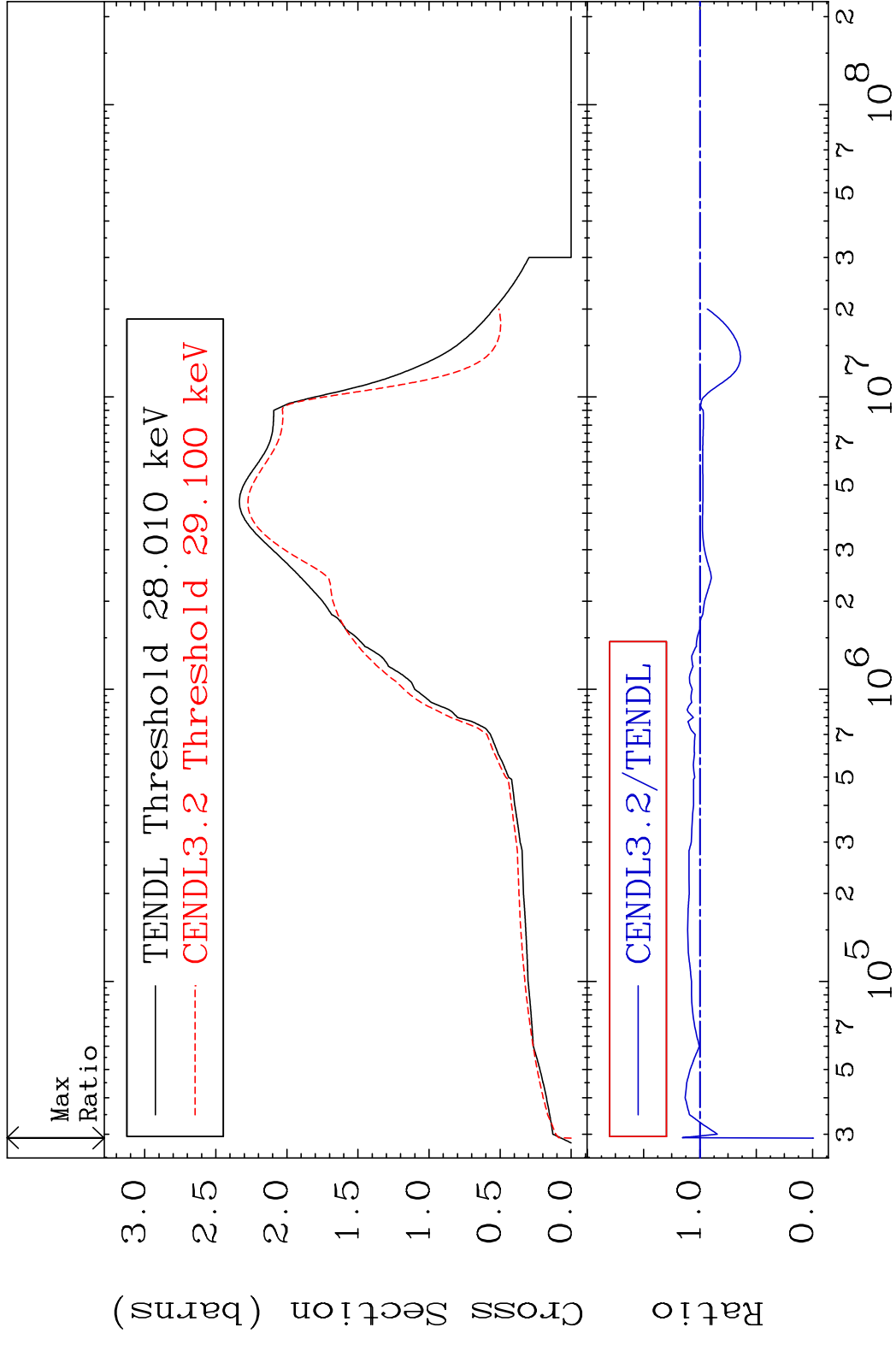


2

Incident Energy (eV)

53-I -129

MAT 5331 Inelastic 53-I -129
 Cross Section -100.0 To 15.57 %



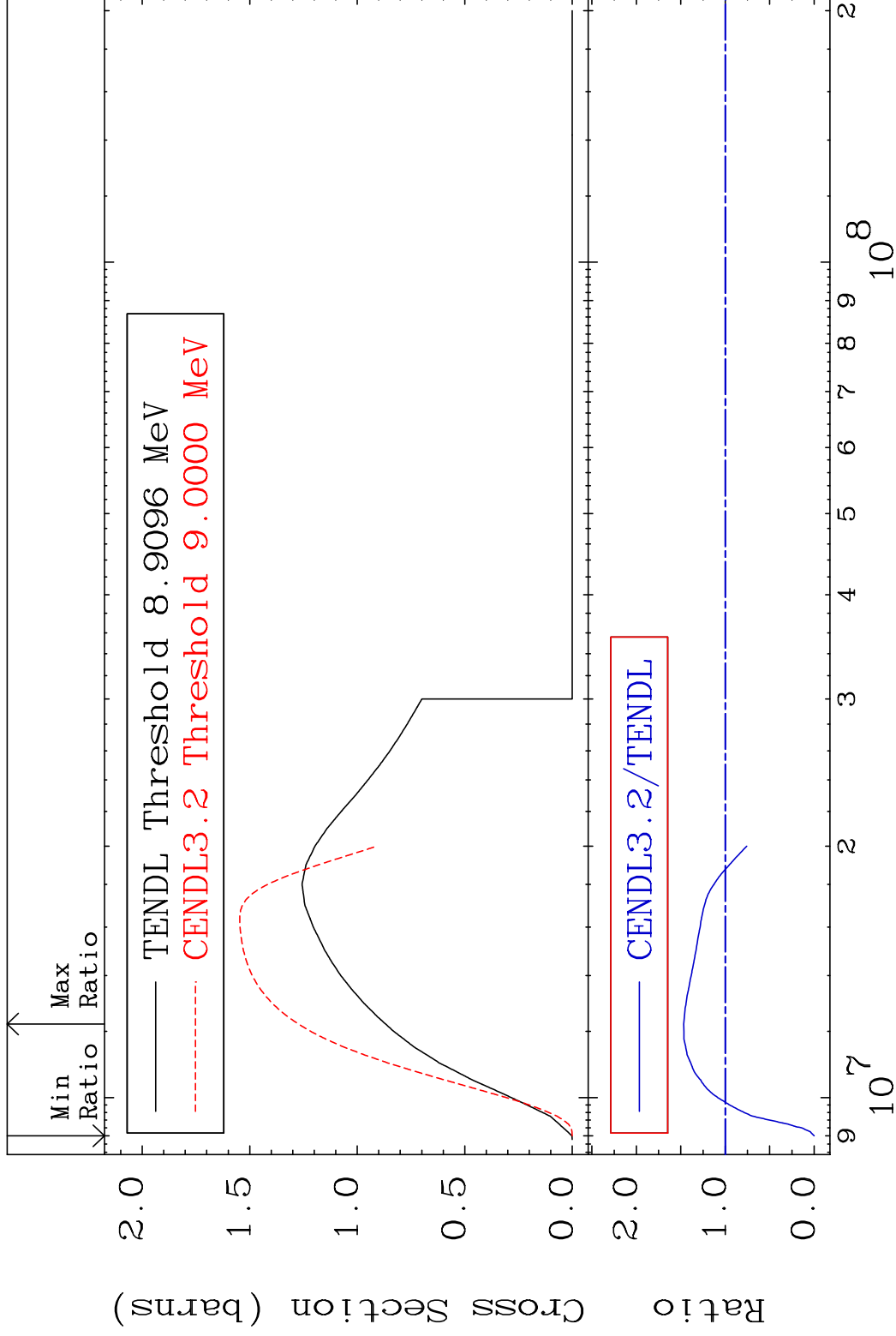
3 Incident Energy (eV) 53-I -129

MAT 5331

(n,2n)

53-I -129

Cross Section -100.0 To 46.77 %



4

Incident Energy (eV)

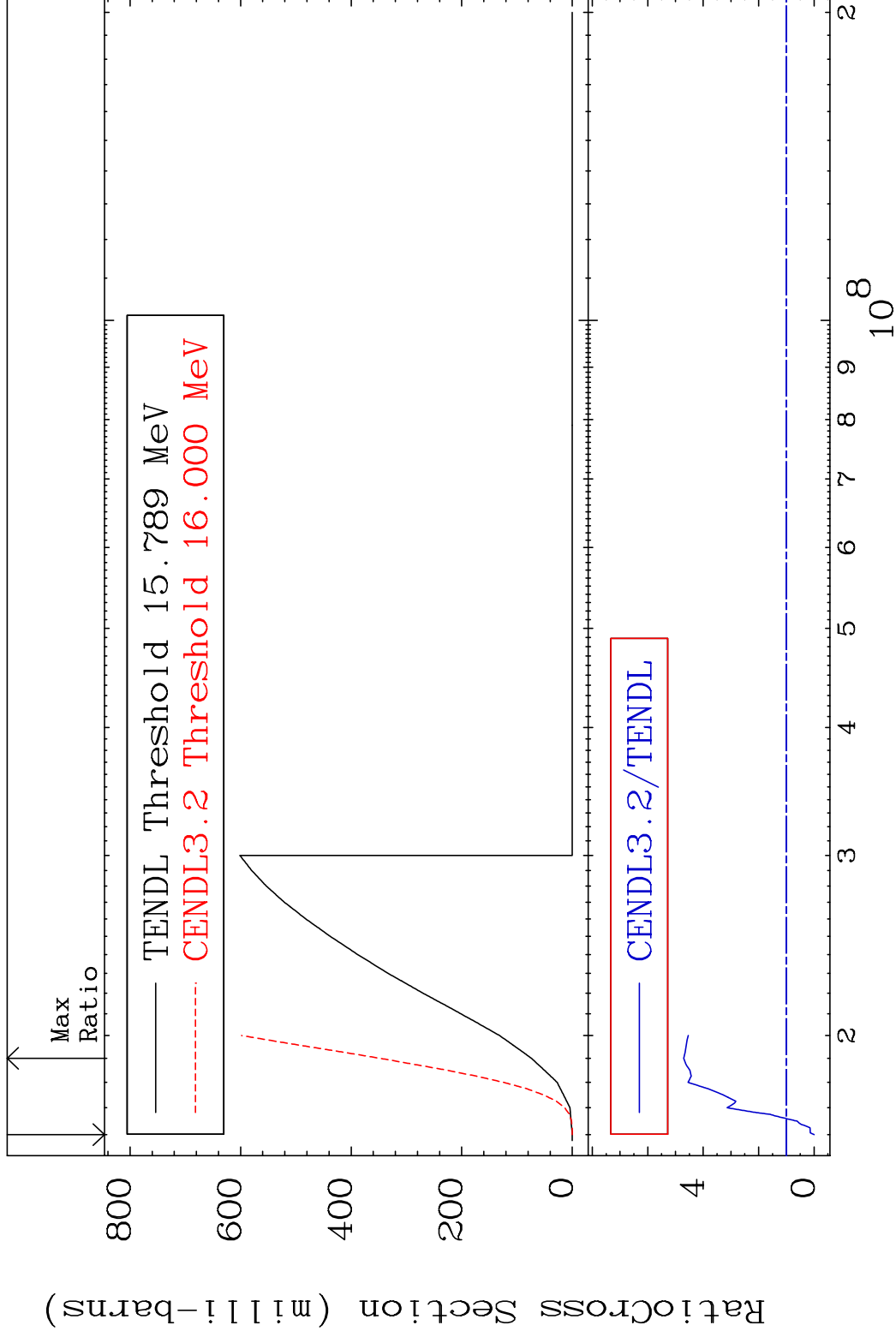
53-I -129

MAT 5331

(n,3n)

53-I -129

Cross Section -100.0 To 370.6 %



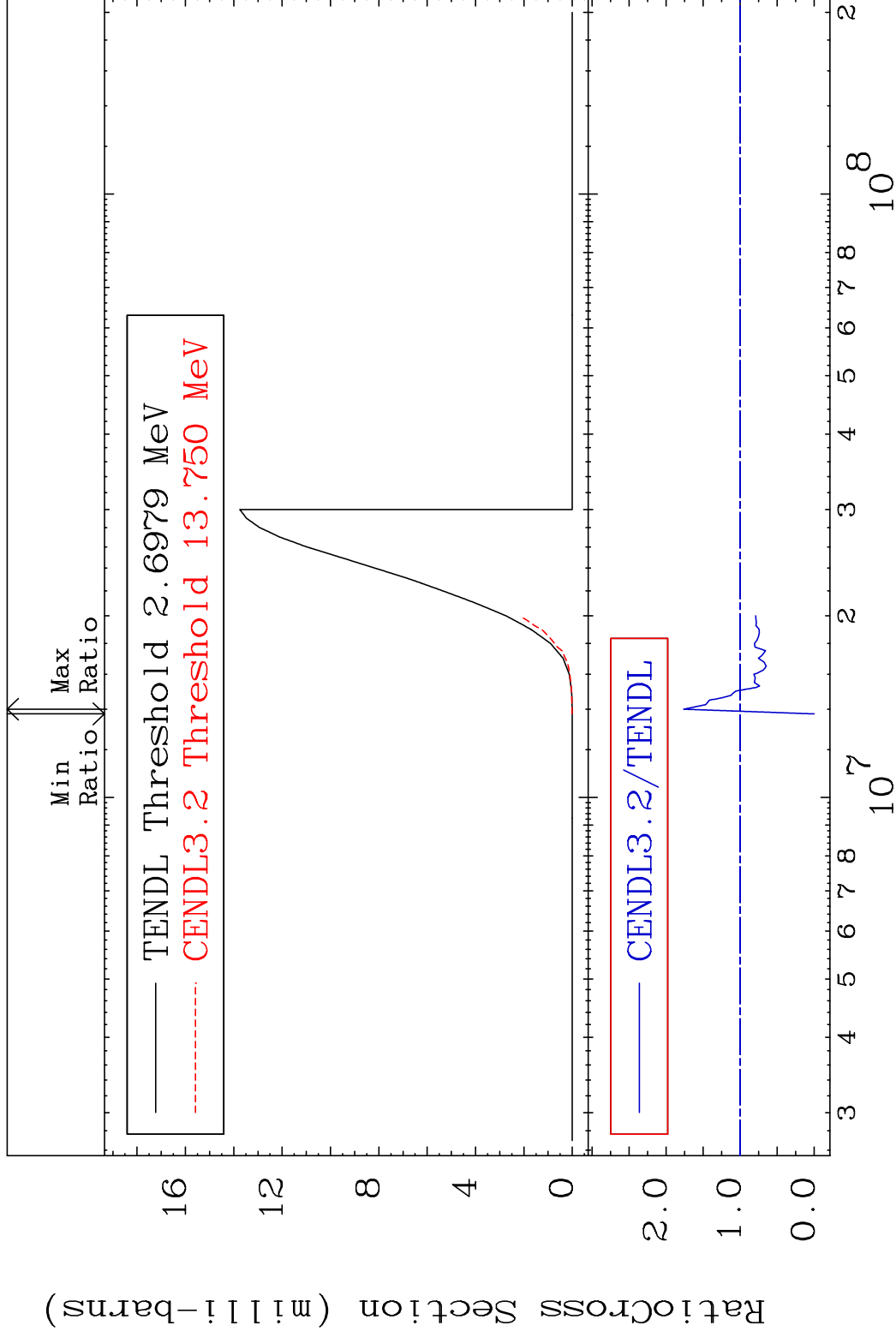
5

Incident Energy (eV)

53-I -129

MAT 5331

(n, n') α 53-I -129
Cross Section -100.0 To 76.30 %



6

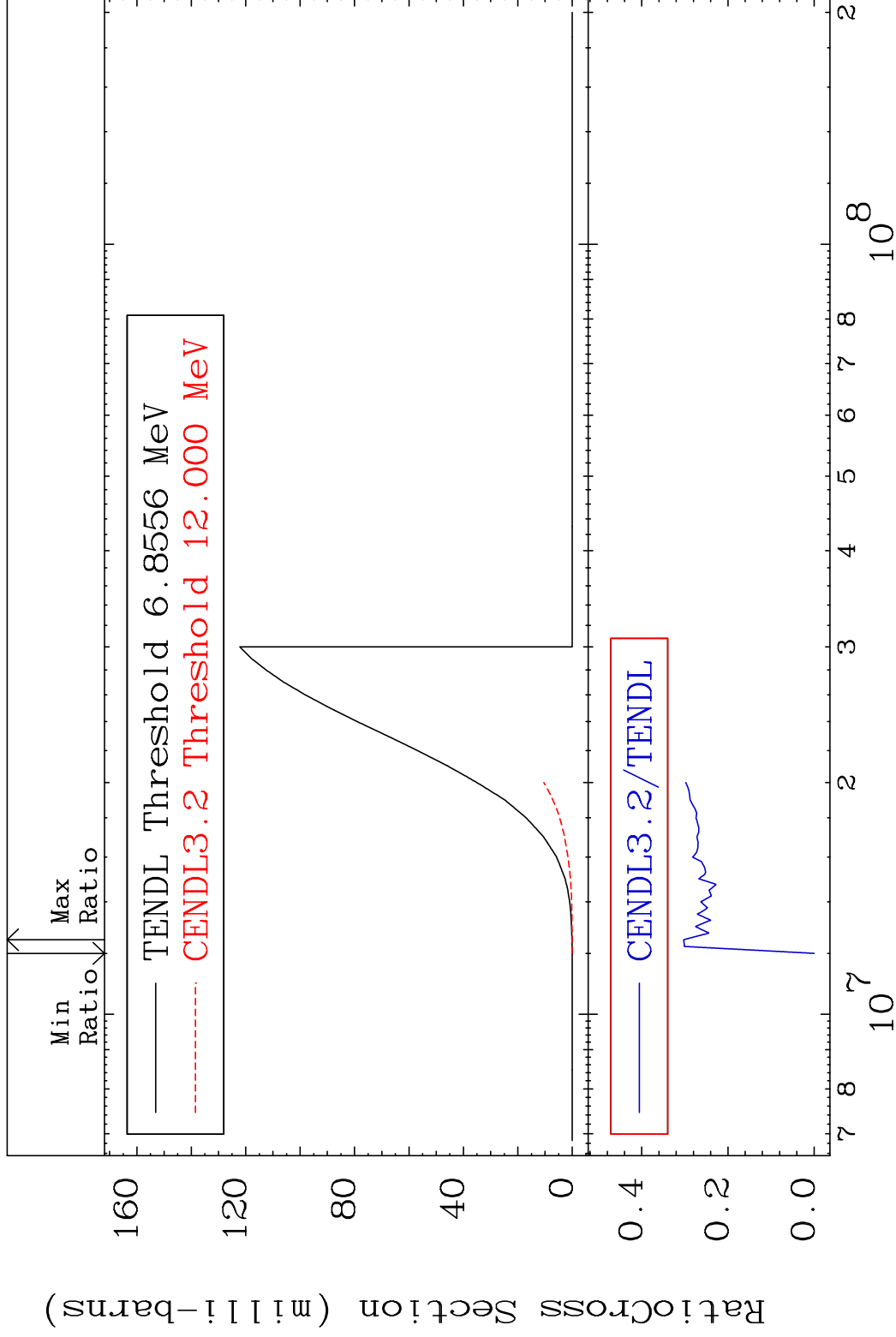
Incident Energy (eV)

53-I -129

MAT 5331

(n, n') p 53-I -129

Cross Section -100.0 To -69.72%

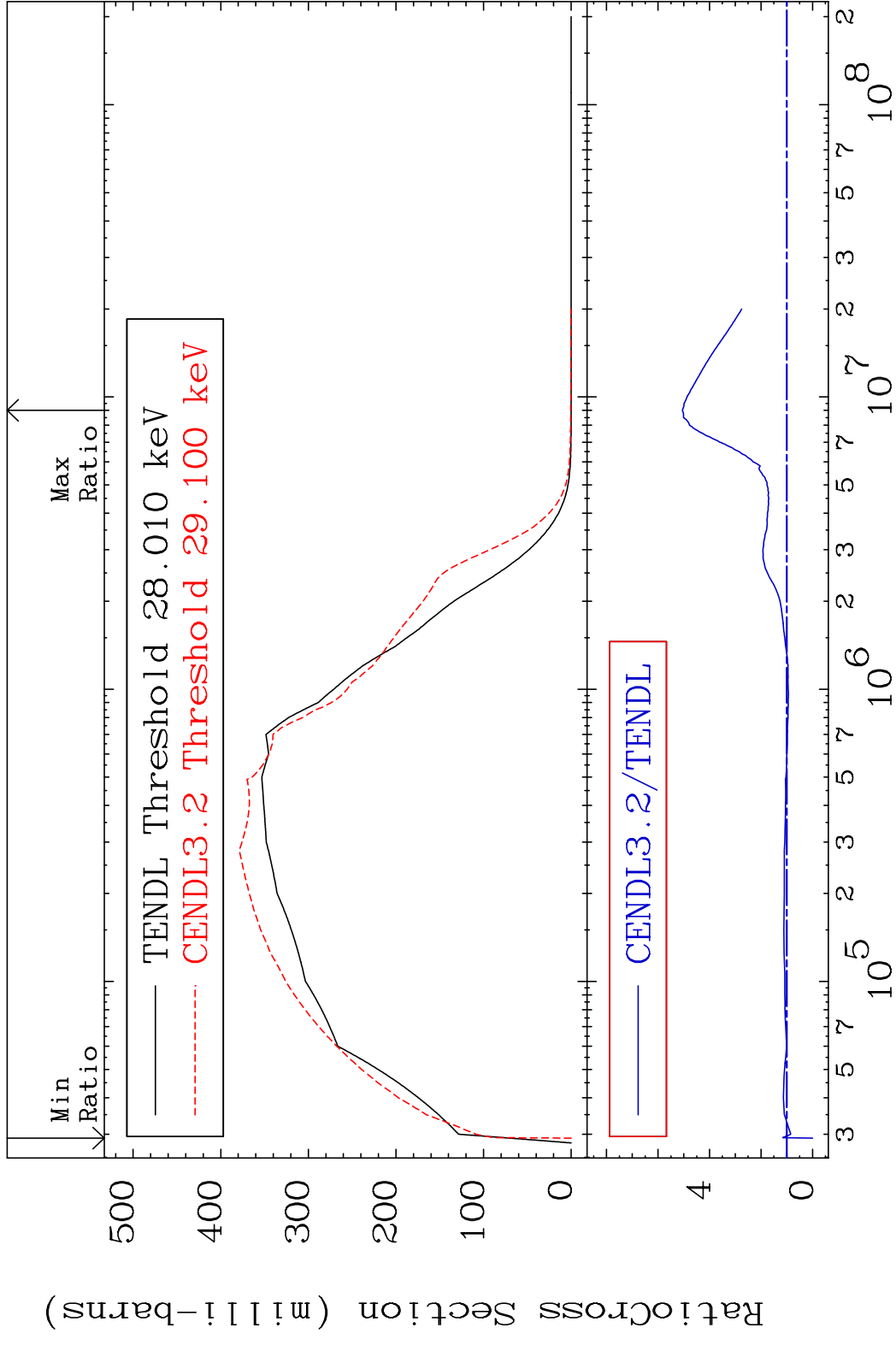


7

Incident Energy (eV)

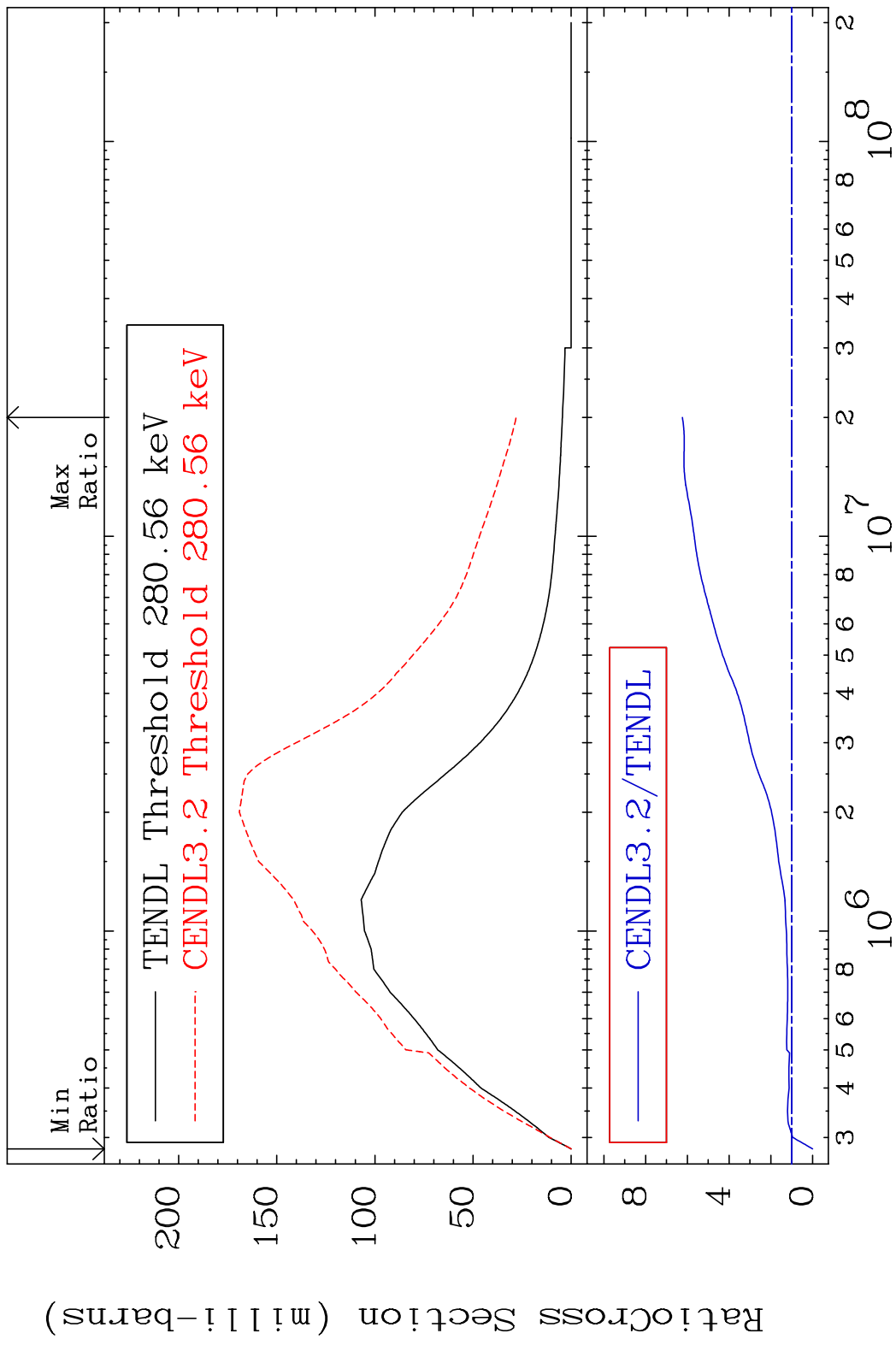
53-I -129

MAT 5331 MT= 51 (n, n') Level 53-I -129
 Cross Section -100.0 To 405.5 %



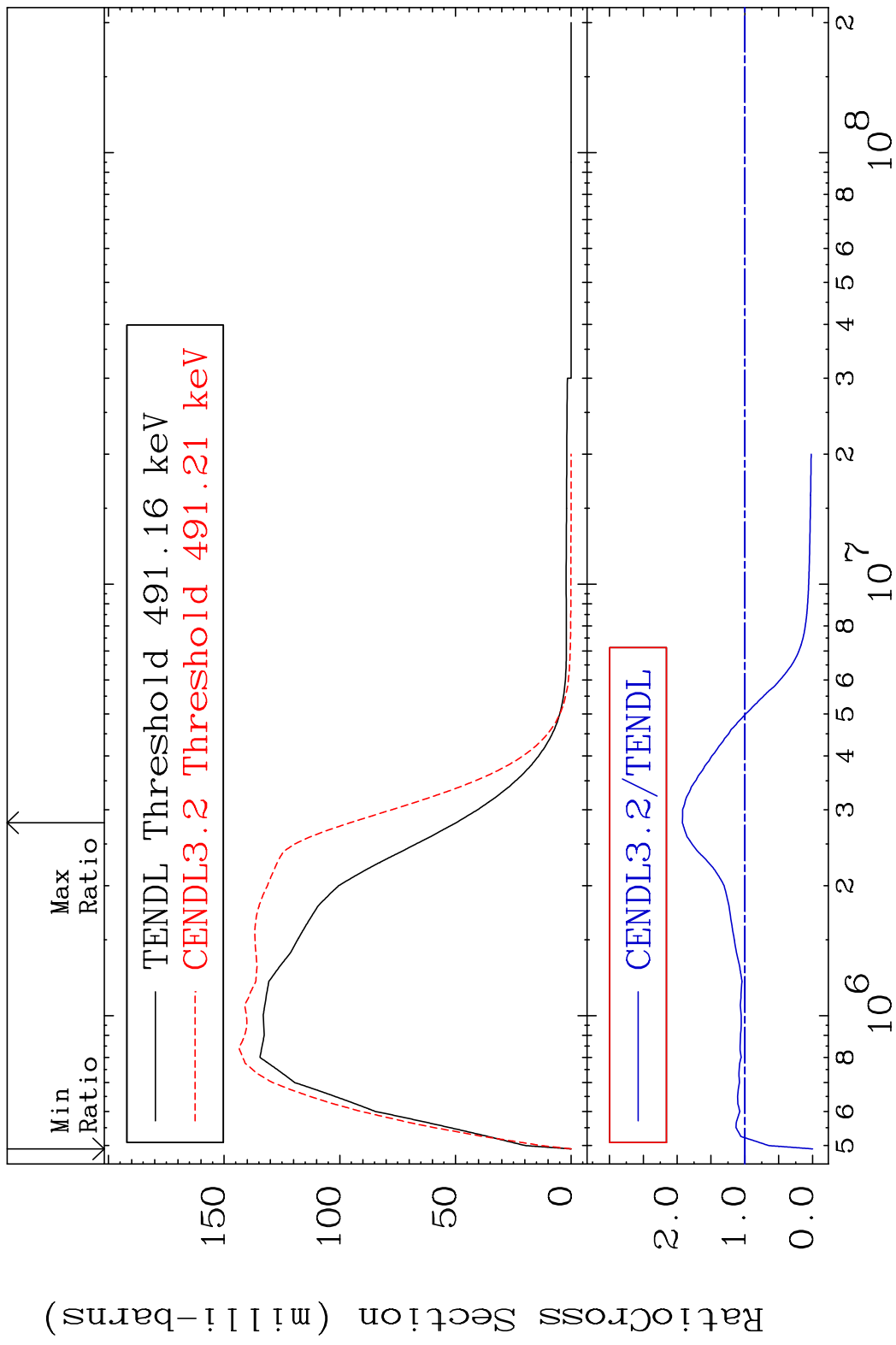
8 Incident Energy (eV) 53-I -129

MAT 5331 MT= 52 (n,n') Level 53-I -129
 Cross Section -100.0 To 523.9 %



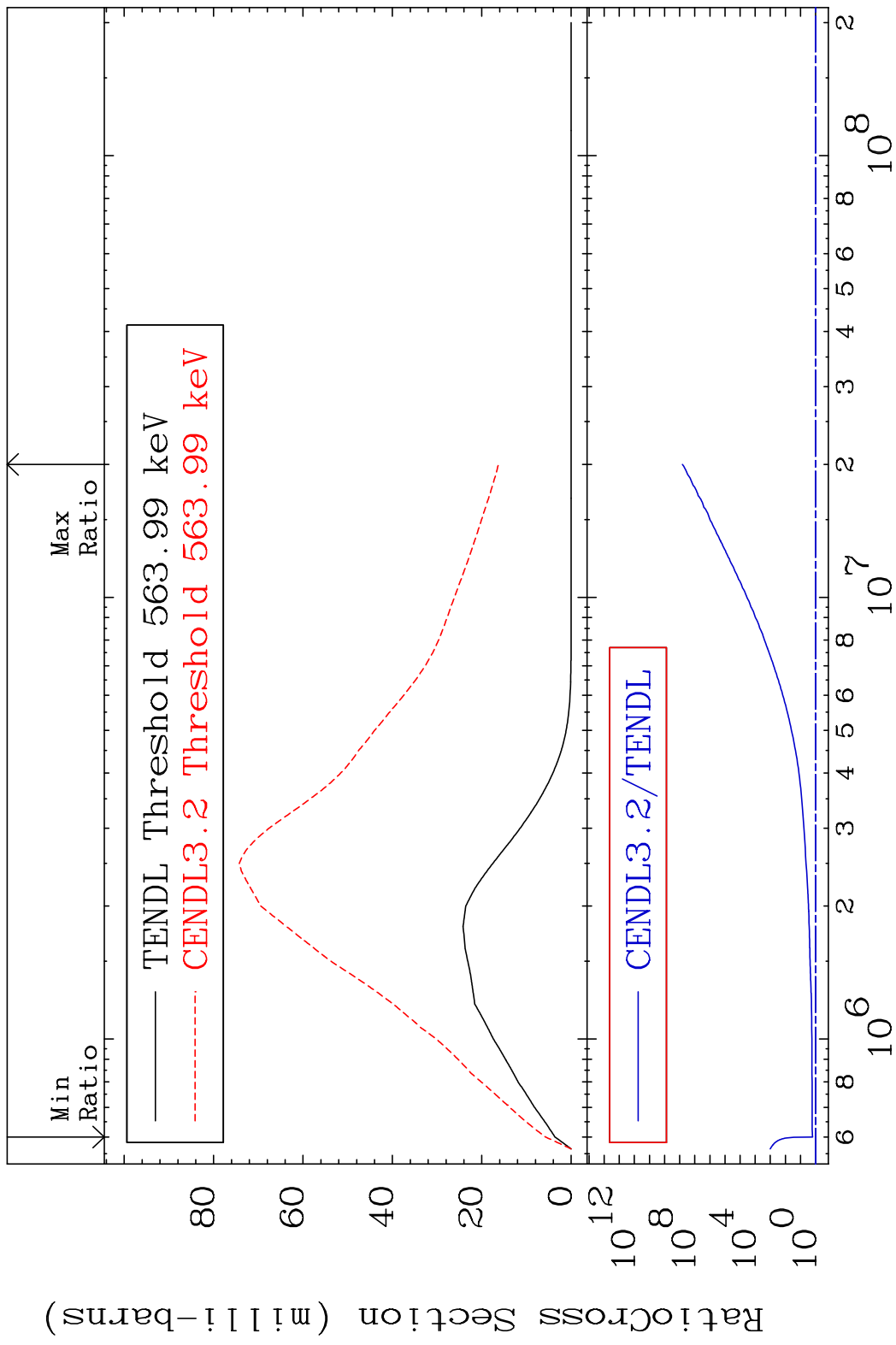
9 Incident Energy (eV) 53-I -129

MAT 5331 MT= 53 (n, n') Level 53-I -129
 Cross Section -100.0 To 92.32 %

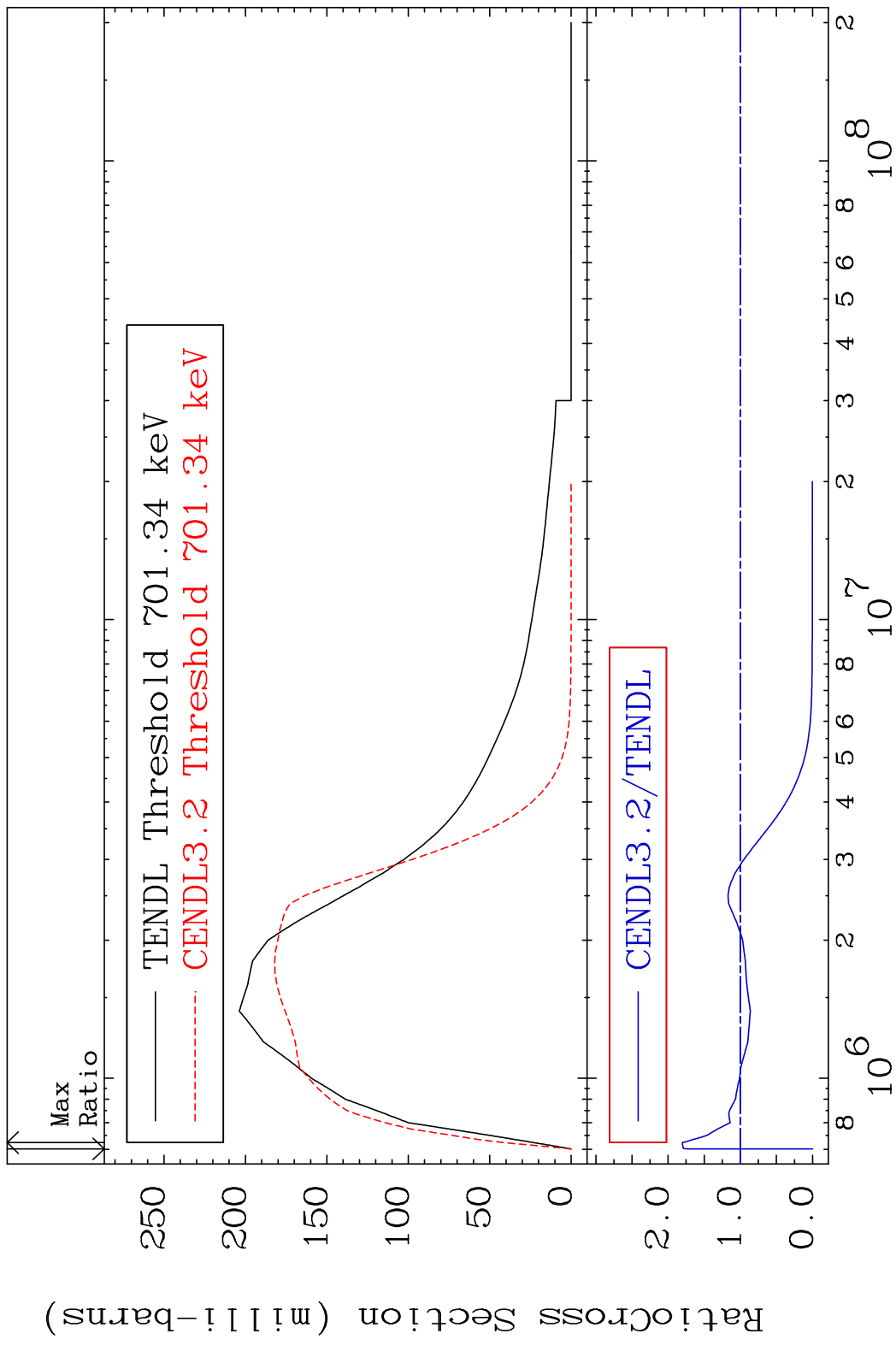


10 Incident Energy (eV) 53-I -129

MAT 5331 MT= 54 (n, n') Level 53-I -129
 Cross Section 58.37 To 9999. %

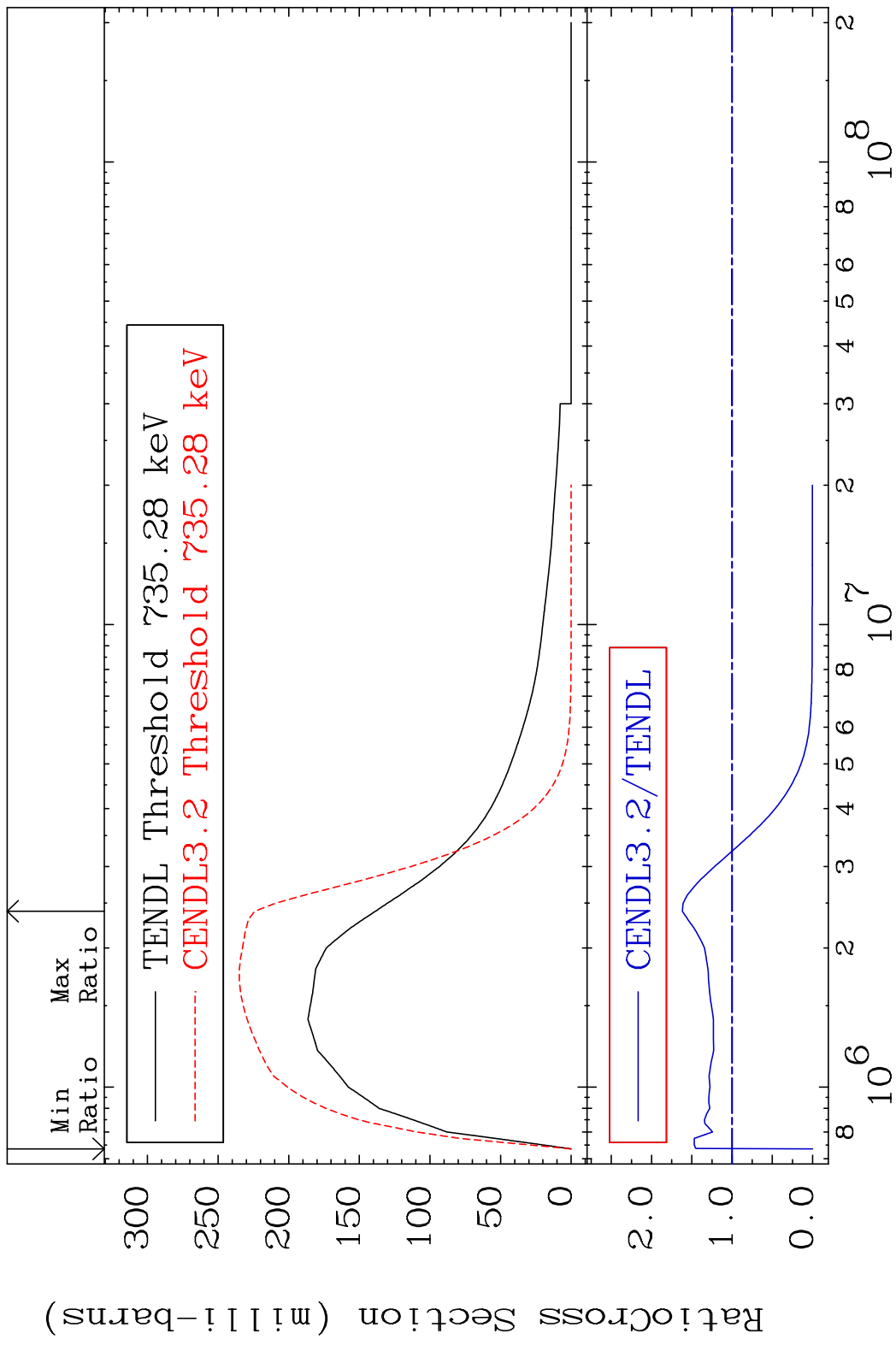


MAT 5331 MT= 55 (n,n') Level 53-I -129
 Cross Section -100.0 To 80.24 %

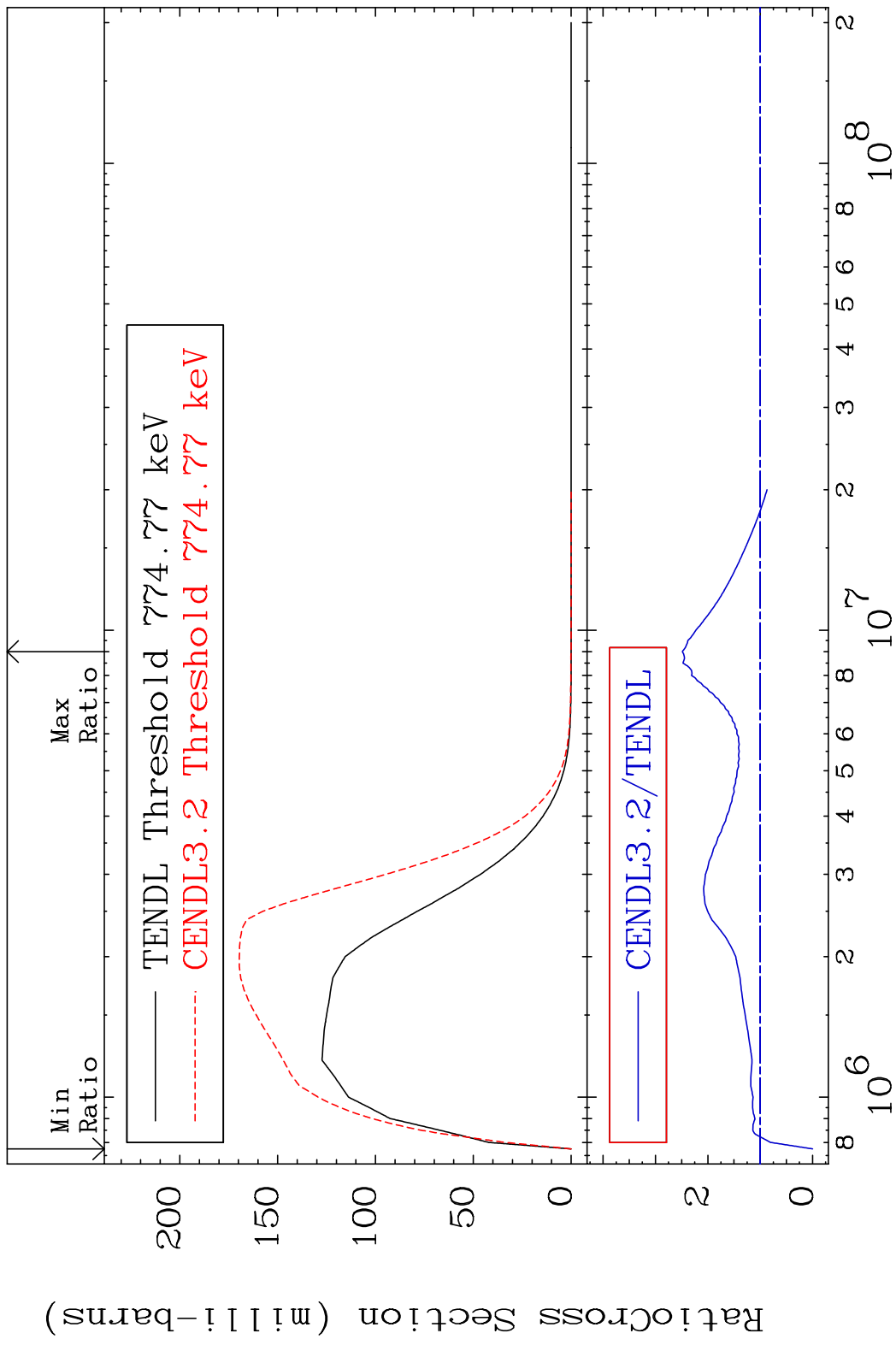


12 Incident Energy (eV) 53-I -129

MAT 5331 MT= 56 (n,n') Level 53-I -129
 Cross Section -100.0 To 61.75 %

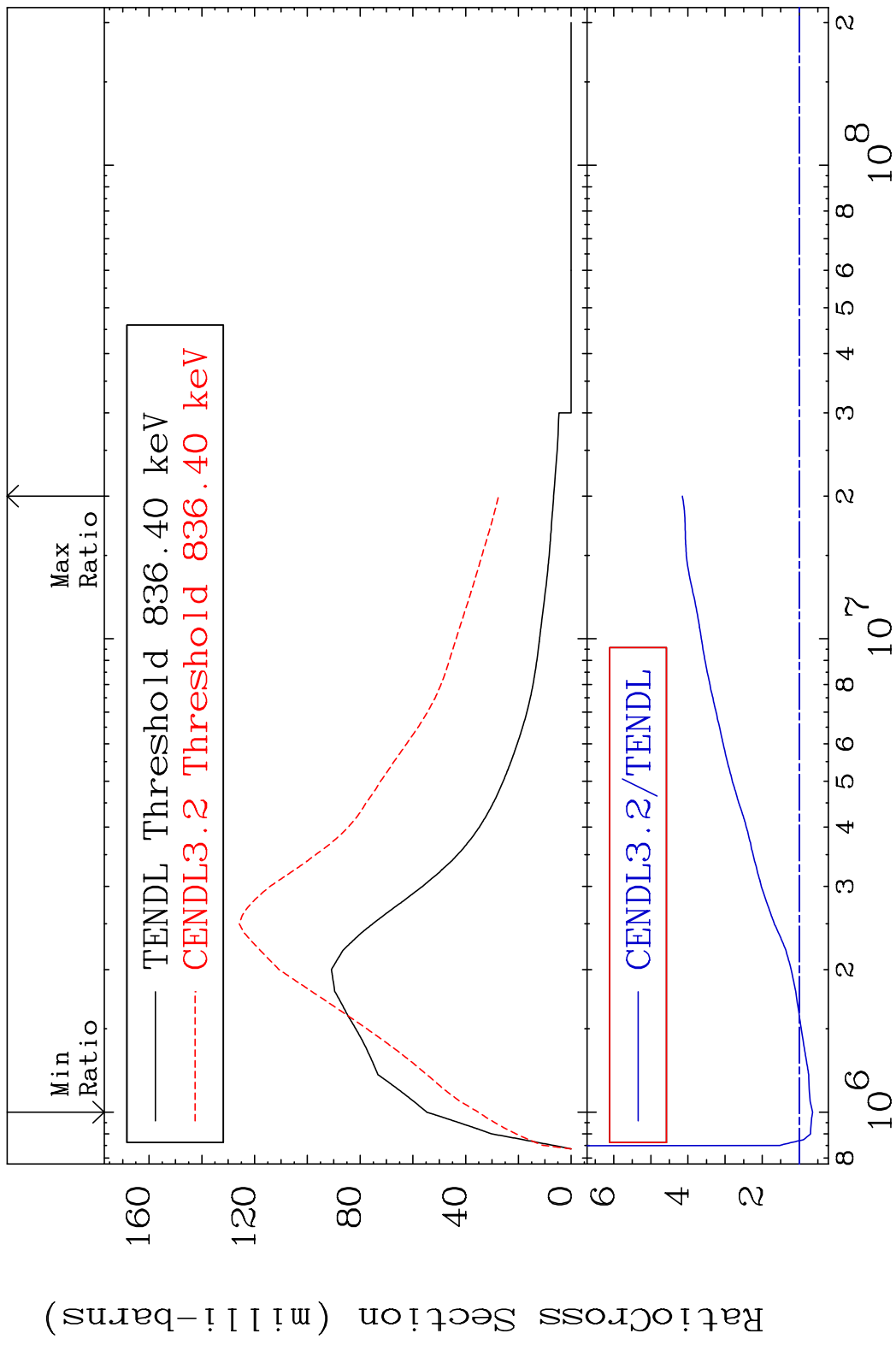


MAT 5331 MT= 57 (n, n') Level 53-I -129
 Cross Section -100.0 To 148.6 %



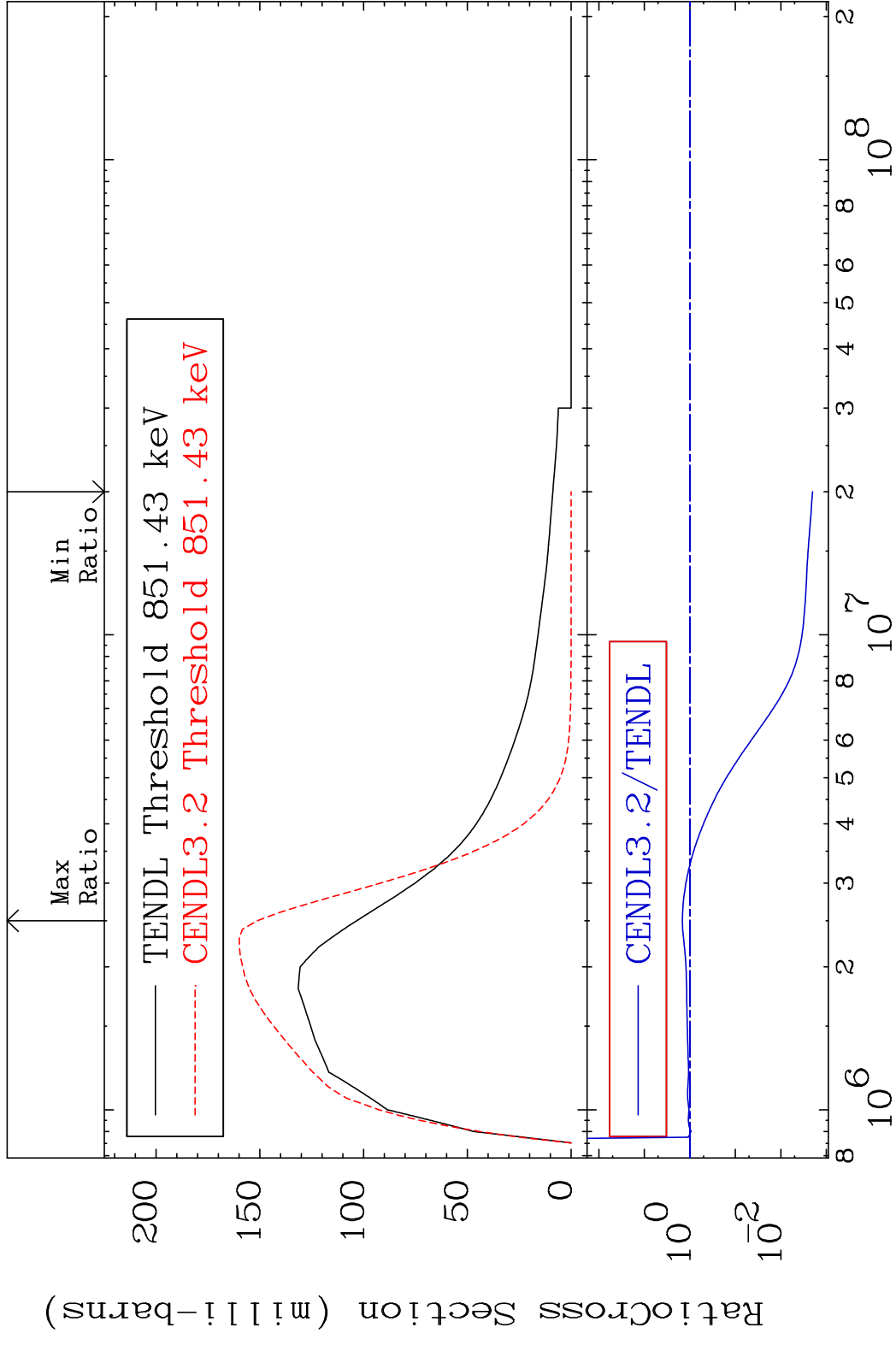
14 Incident Energy (eV) 53-I -129

MAT 5331 MT= 58 (n, n') Level 53-I -129
 Cross Section -35.66 To 315.1 %



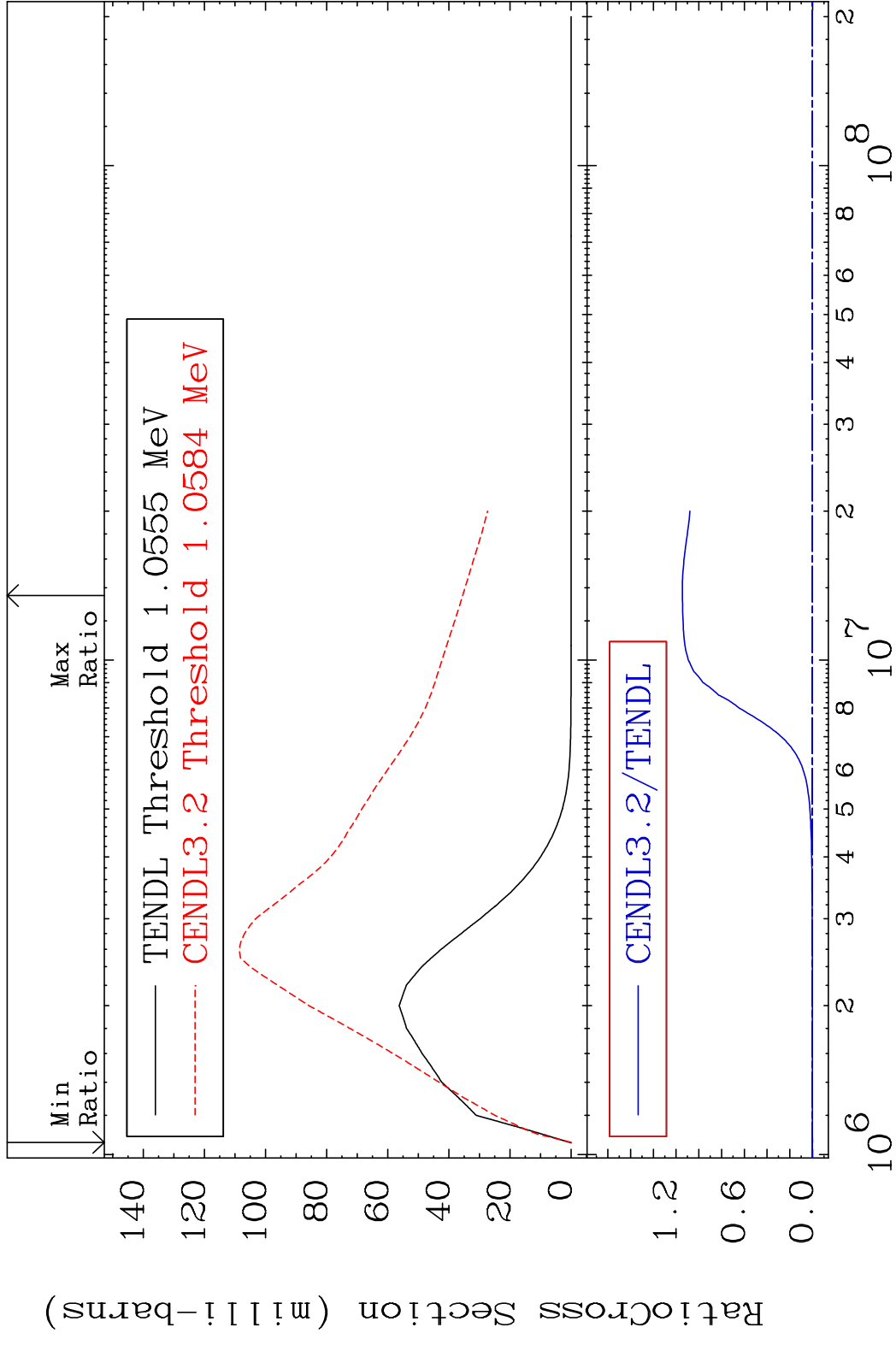
15 53-I -129

MAT 5331 MT= 59 (n, n') Level 53-I -129
 Cross Section -99.80 To 46.28 %

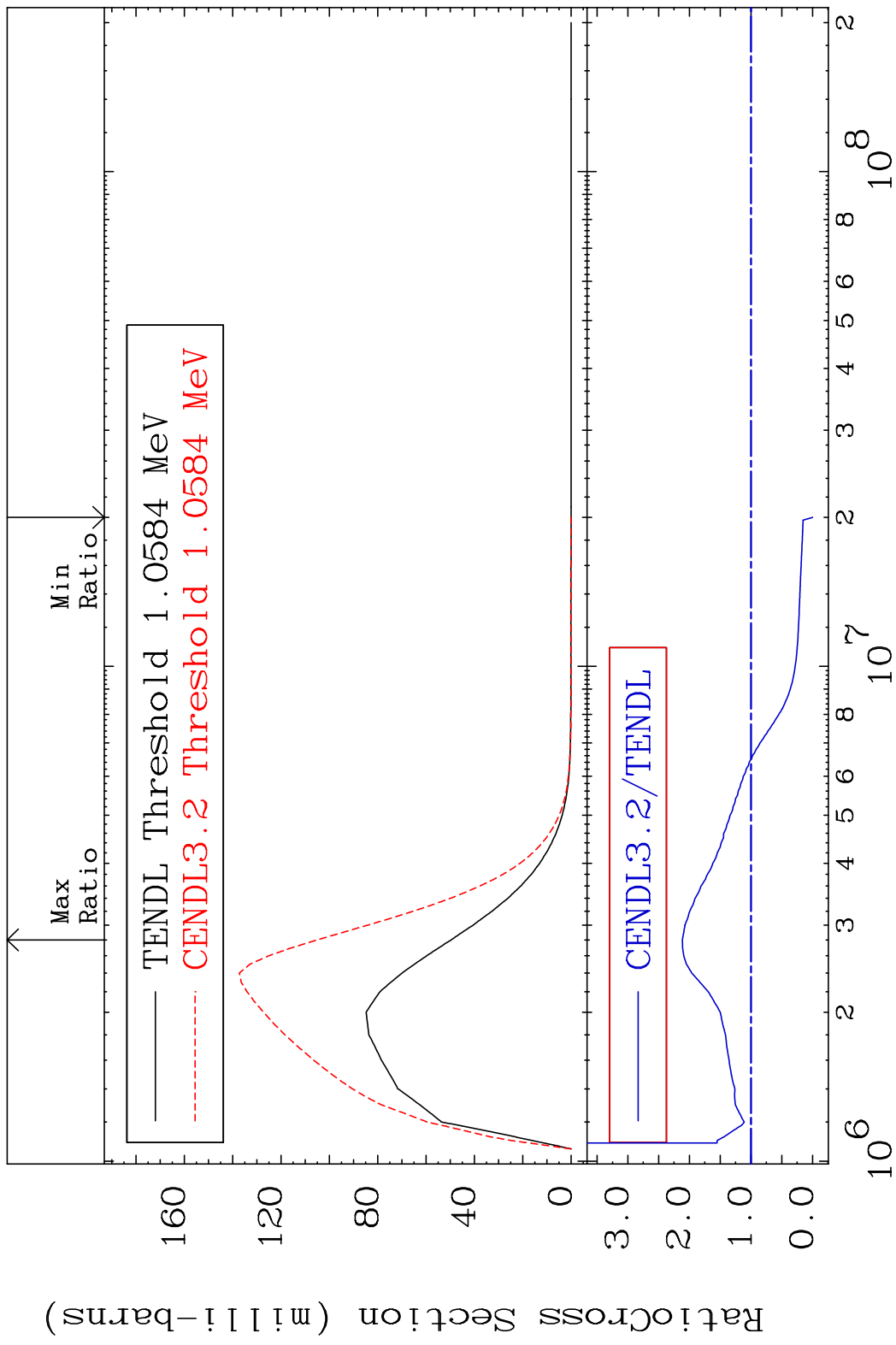


16 Incident Energy (eV) 53-I -129

MAT 5331 MT= 60 (n, n') Level 53-I -129
 Cross Section -100.0 To 9999. %

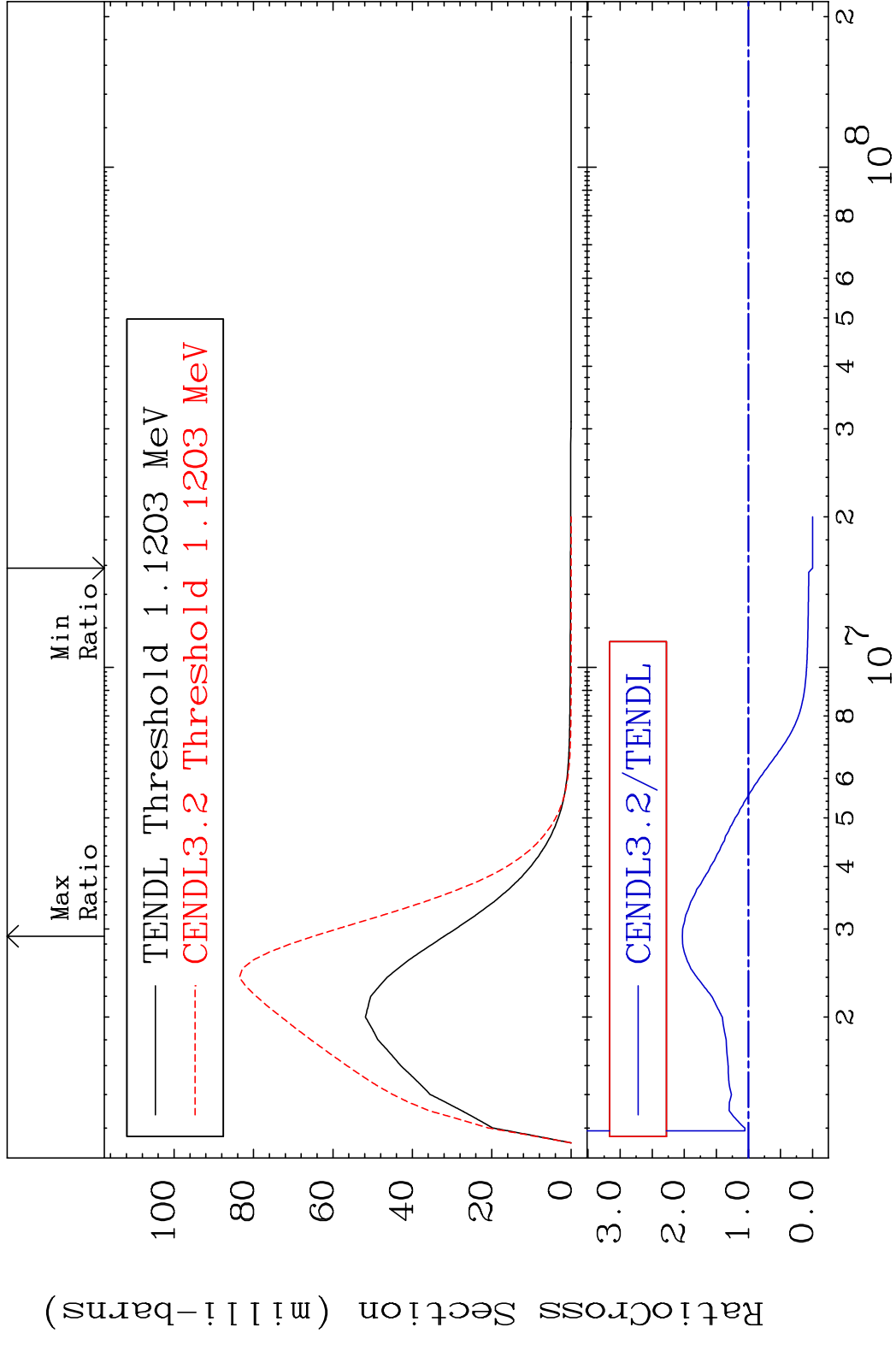


MAT 5331 MT= 61 (n, n') Level 53-I -129
 Cross Section -100.0 To 111.5 %



18 Incident Energy (eV) 53-I -129

MAT 5331 MT= 62 (n, n') Level 53-I -129
 Cross Section -100.0 To 103.0 %

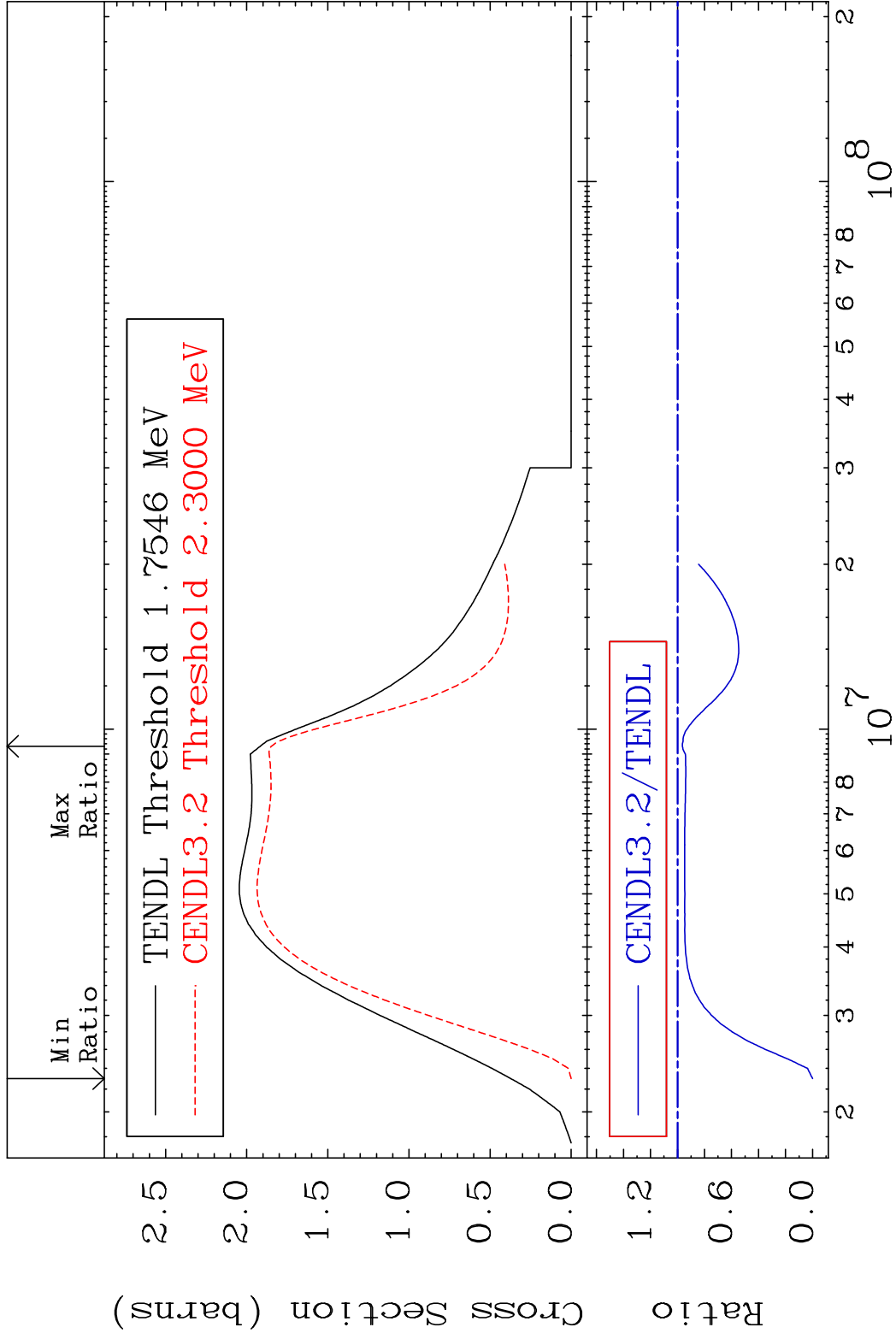


MAT 5331

(n, n') Continuum

53-I -129

Cross Section -100.0 To -3.588%



20

Incident Energy (eV)

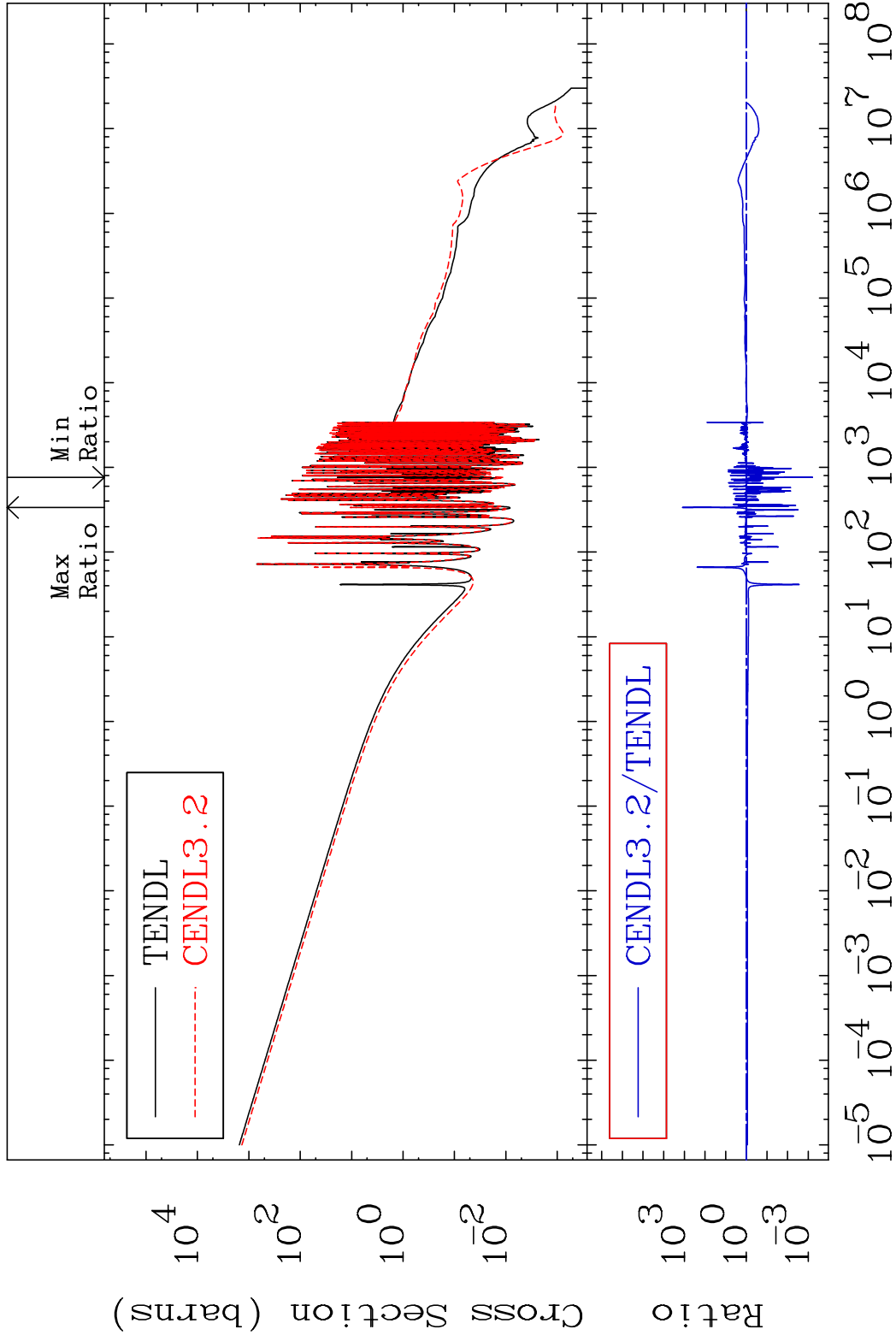
53-I -129

MAT 5331

(n, γ)

53-I -129

Cross Section -99.94 To 9999. %



21

Incident Energy (eV)

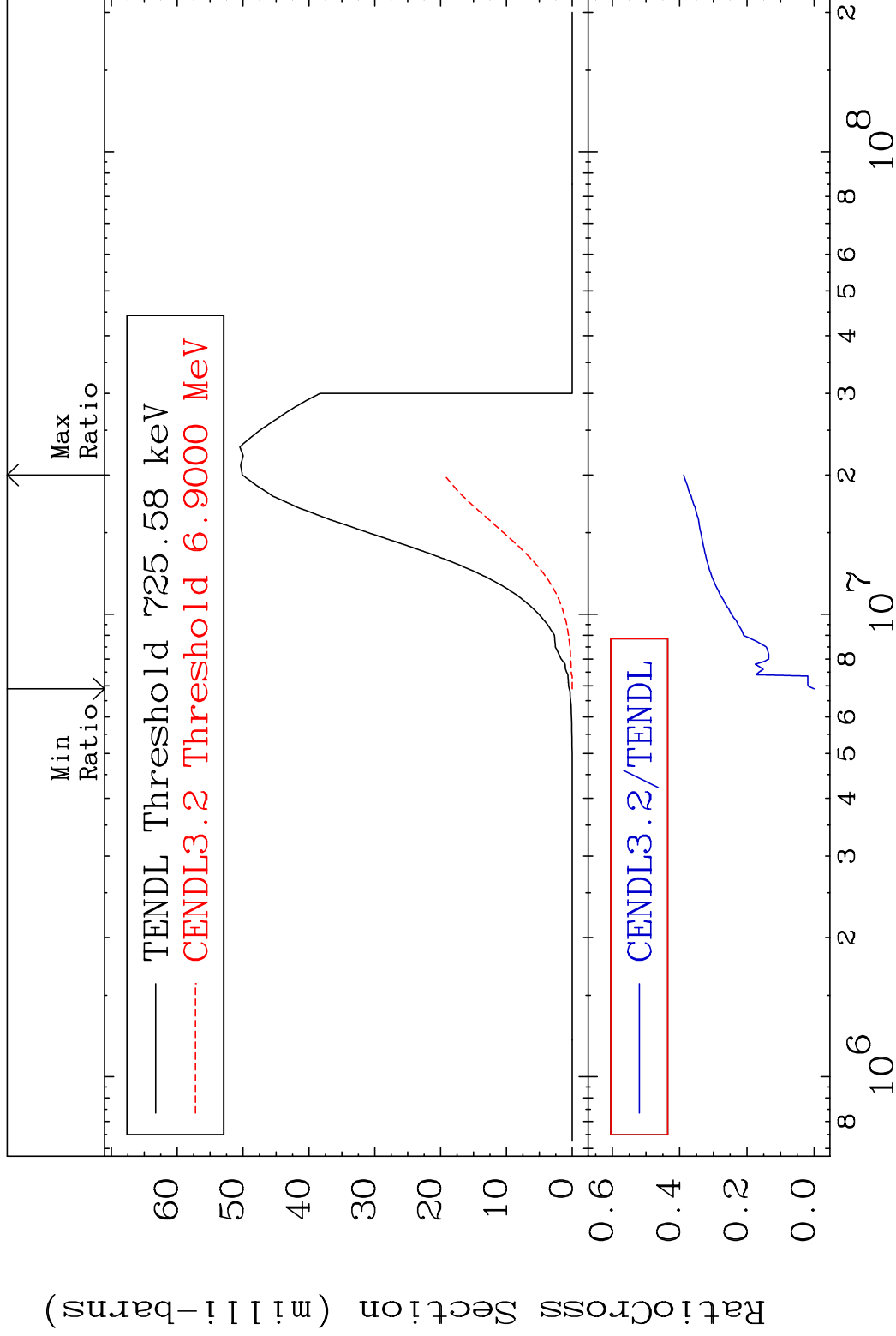
53-I -129

MAT 5331

(n, p)

53-I -129

Cross Section -100.0 To -61.19%



22

Incident Energy (eV)

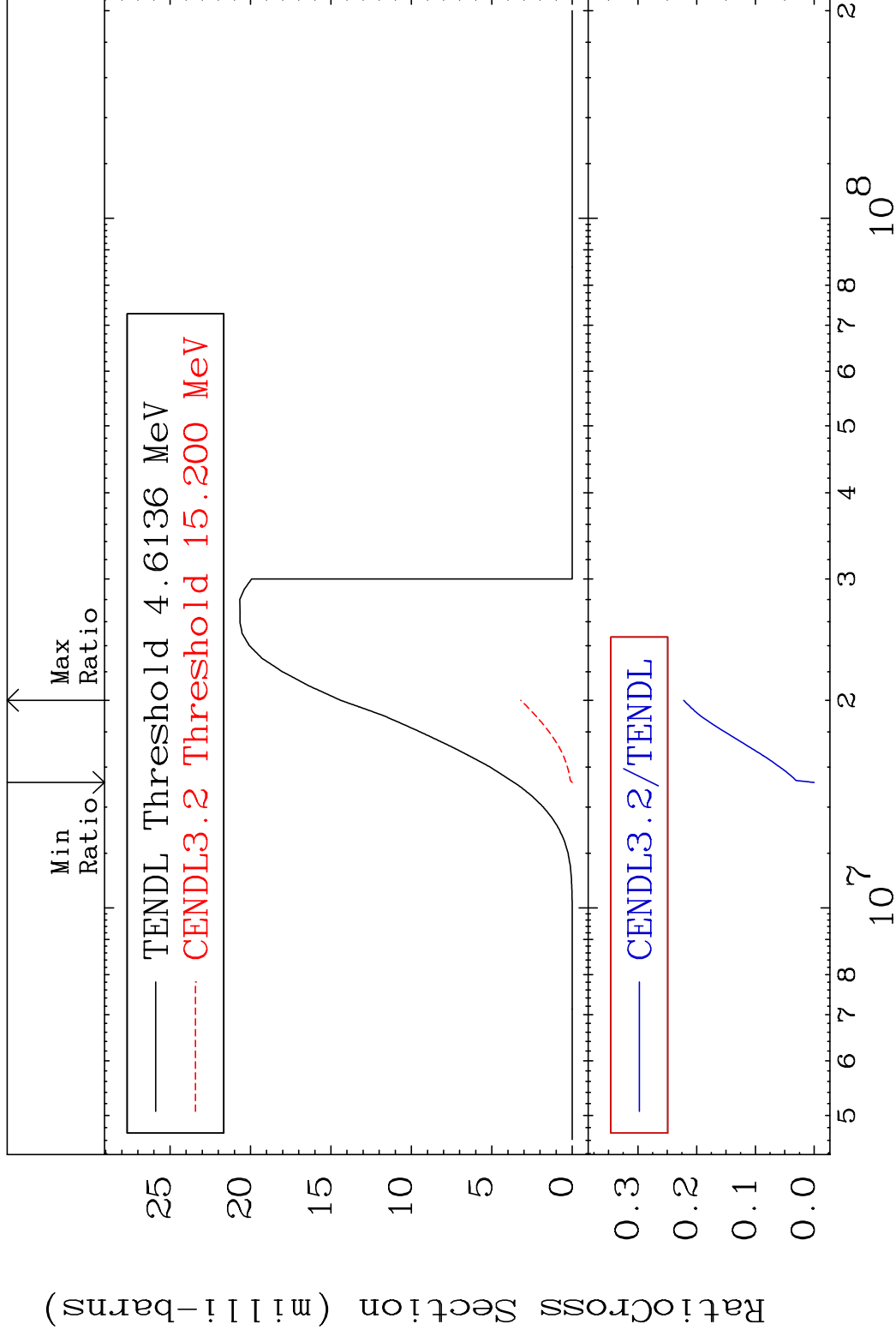
53-I -129

MAT 5331

(n, d)

53-I -129

Cross Section -100.0 To -77.79%



23

Incident Energy (eV)

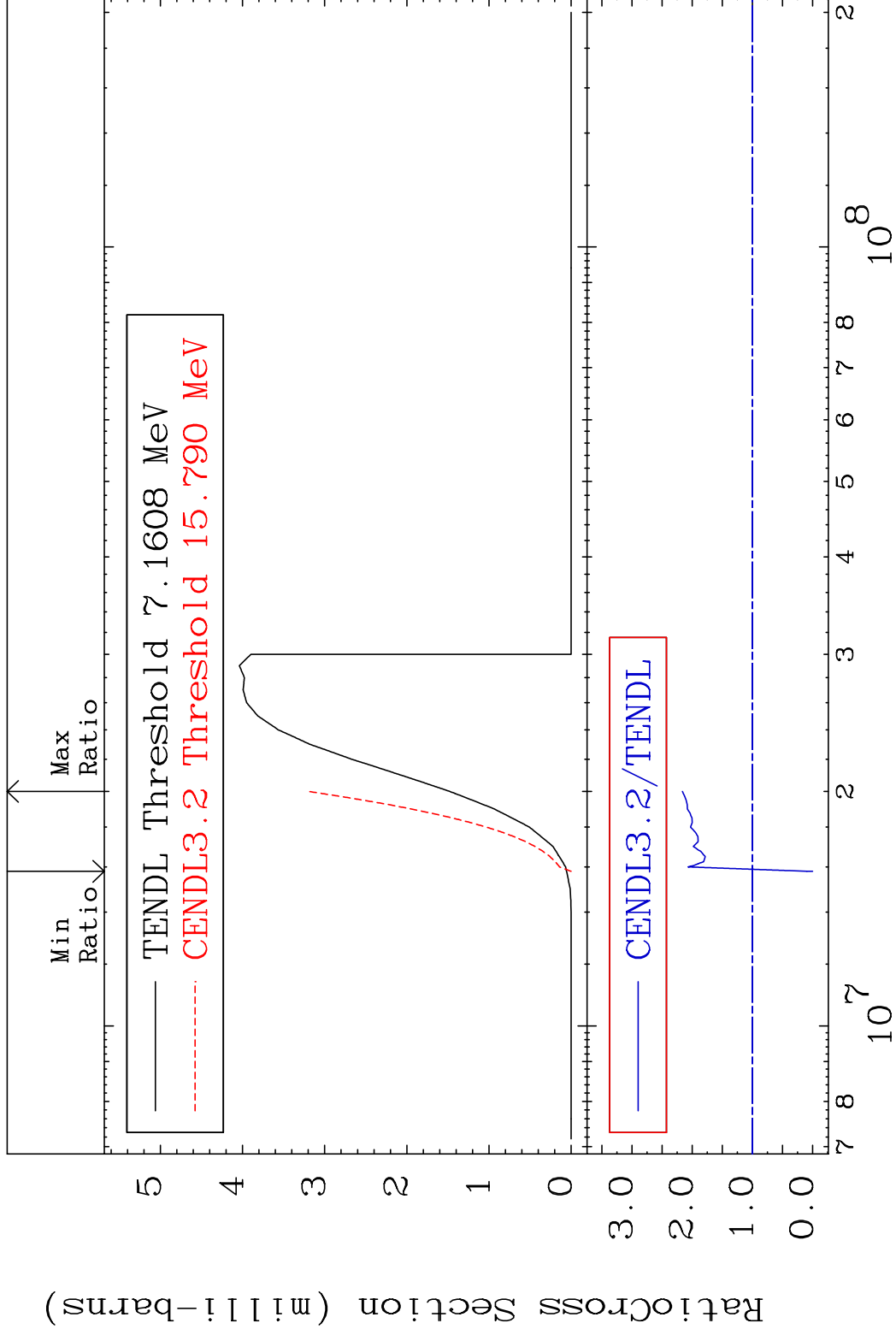
53-I -129

MAT 5331

(n, t)

53-I -129

Cross Section -100.0 To 116.4 %



24

Incident Energy (eV)

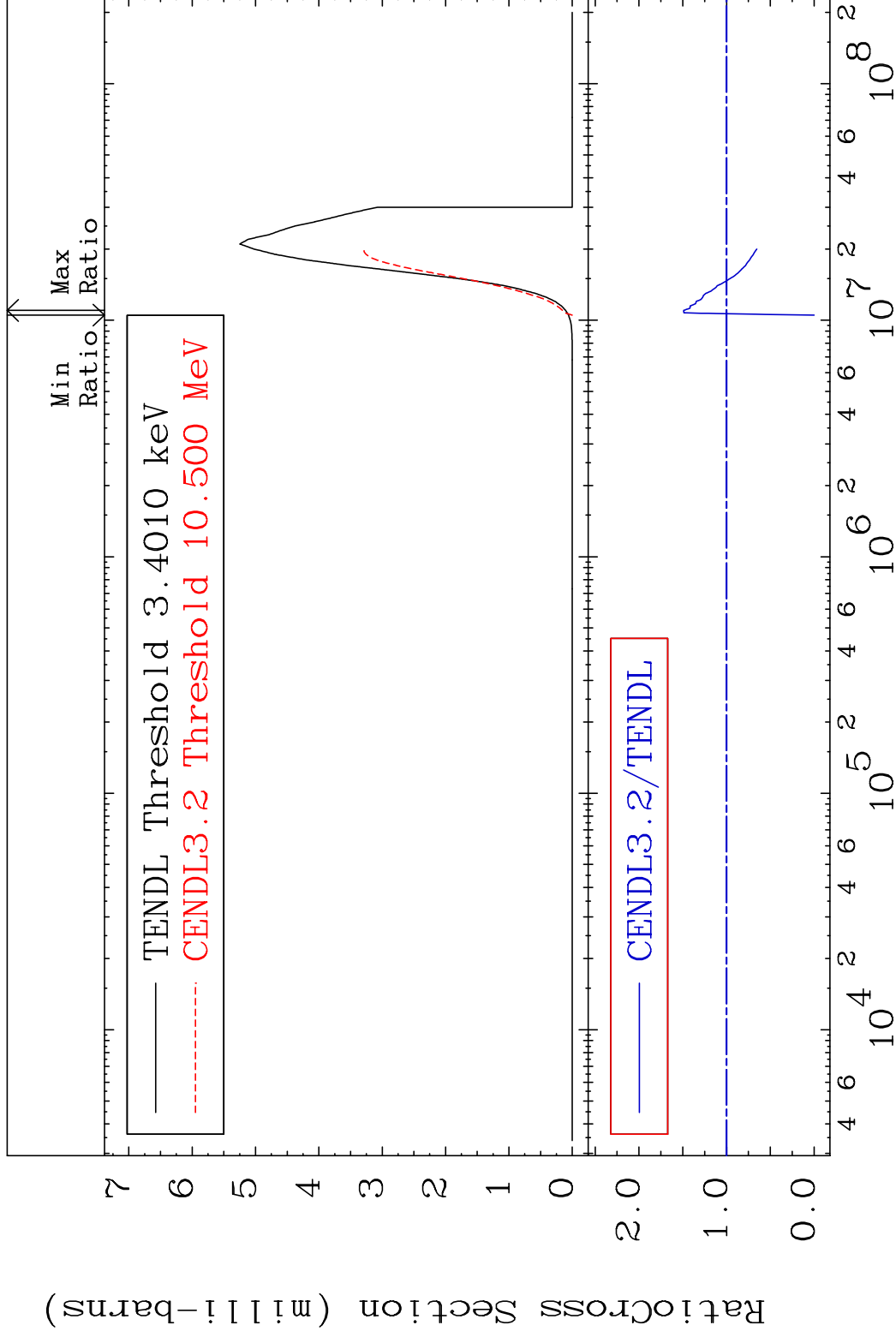
53-I -129

MAT 5331

(n, α)

53-I -129

Cross Section -100.0 To 48.97 %



25

Incident Energy (eV)

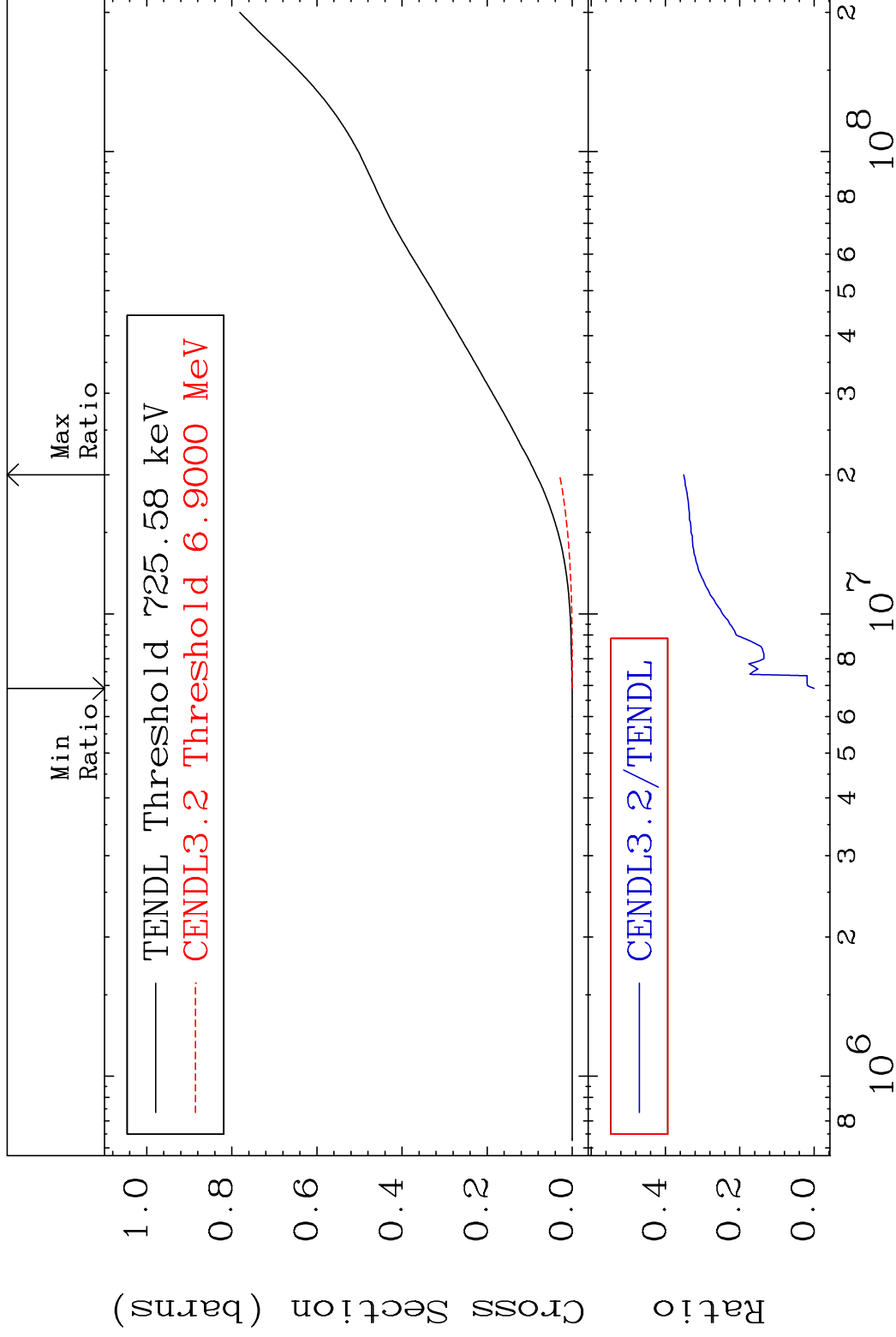
53-I -129

MAT 5331

Hydrogen Production

53-I -129

Cross Section -100.0 To -64.90%



26

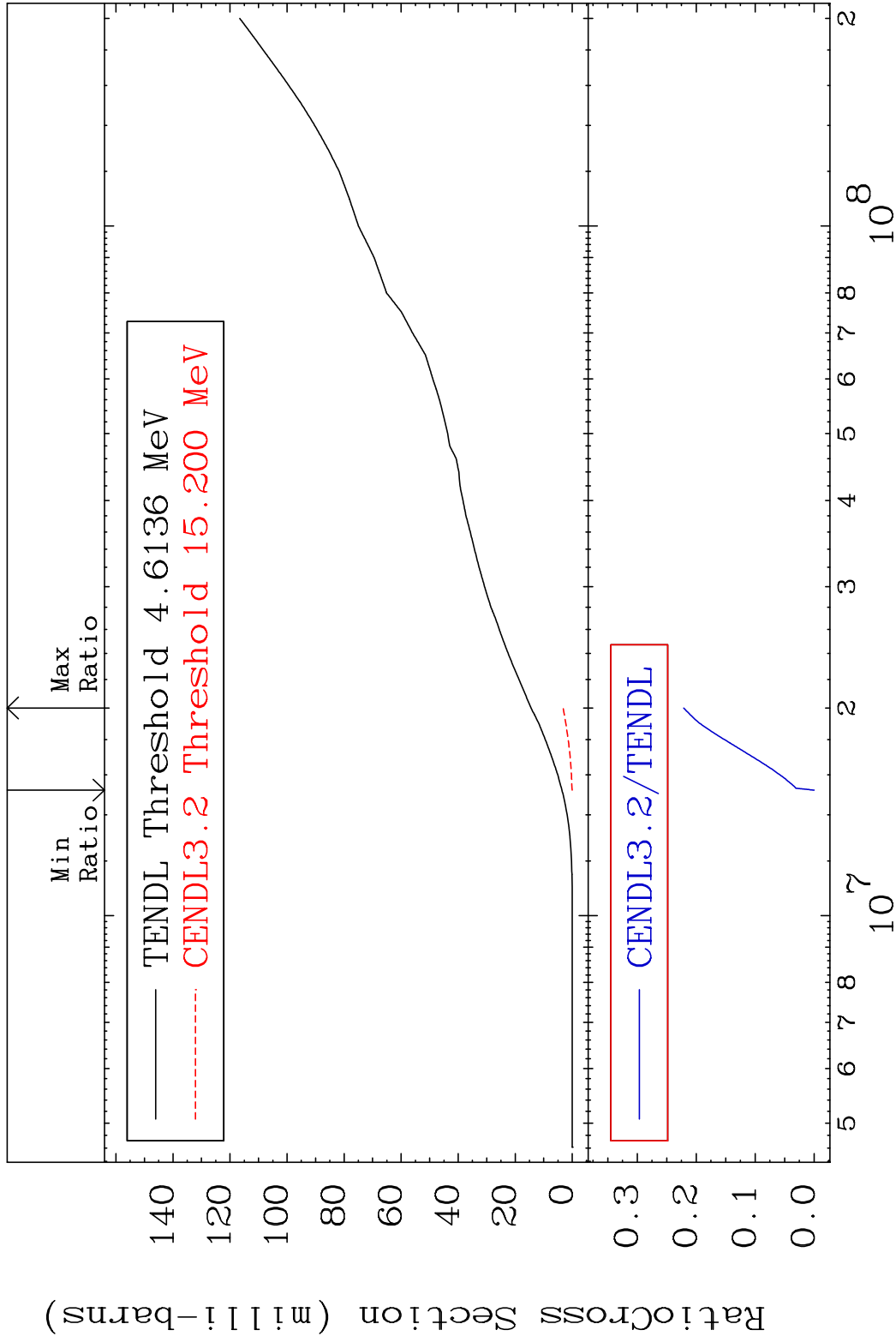
Incident Energy (eV)

53-I -129

MAT 5331

Deuterium Production 53-I -129

Cross Section -100.0 To -77.88%



27

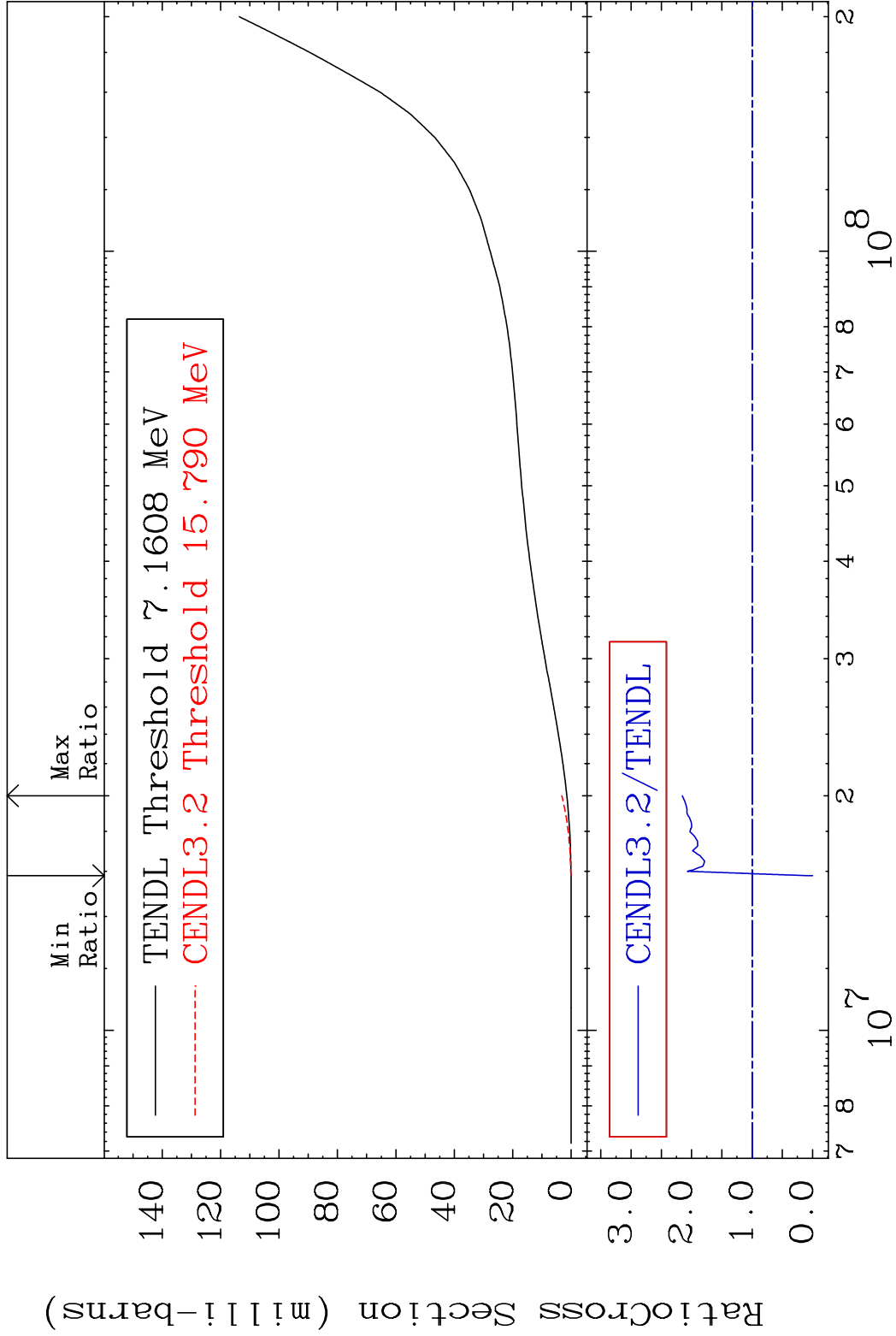
Incident Energy (eV)

53-I -129

MAT 5331

Tritium Production 53-I -129

Cross Section -100.0 To 115.3 %



28

Incident Energy (eV)

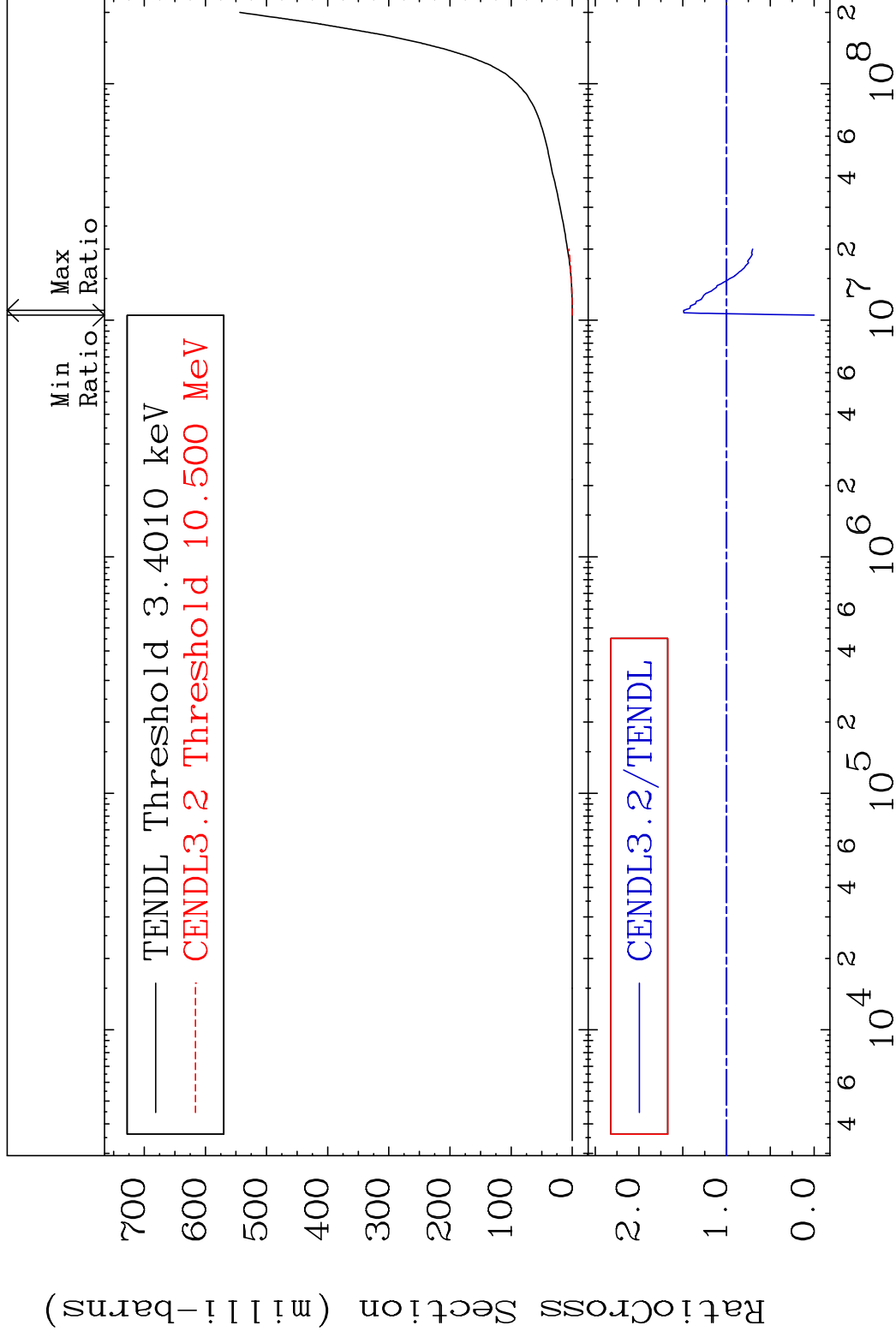
53-I -129

MAT 5331

He-4 Production

53-I -129

Cross Section -100.0 To 48.96 %

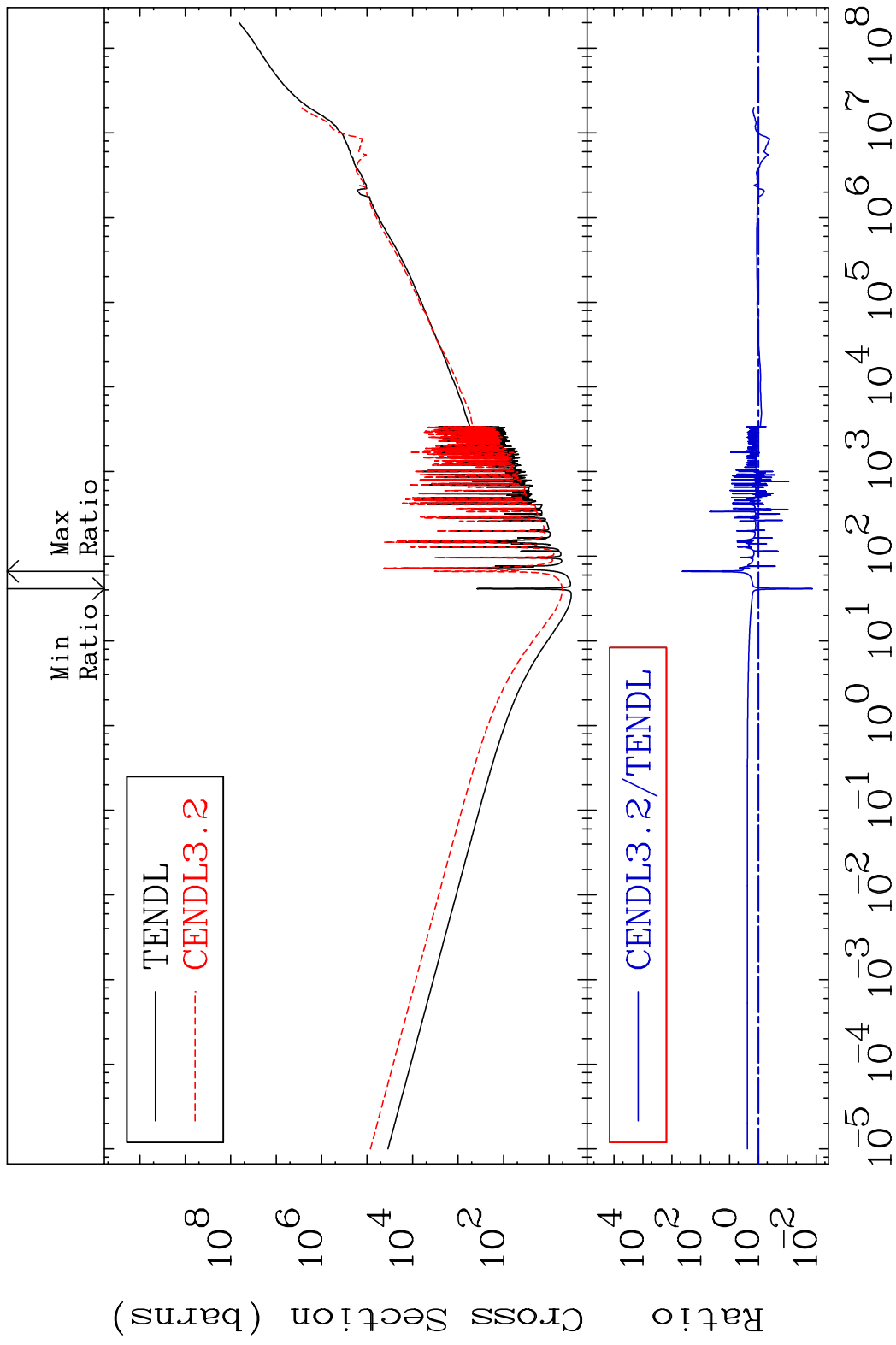


29

Incident Energy (eV)

53-I -129

MAT 5331 Kerma total (eV-barns) 53-I -129
Cross Section -98.66 To 9999. %



30 Incident Energy (eV) 53-I -129

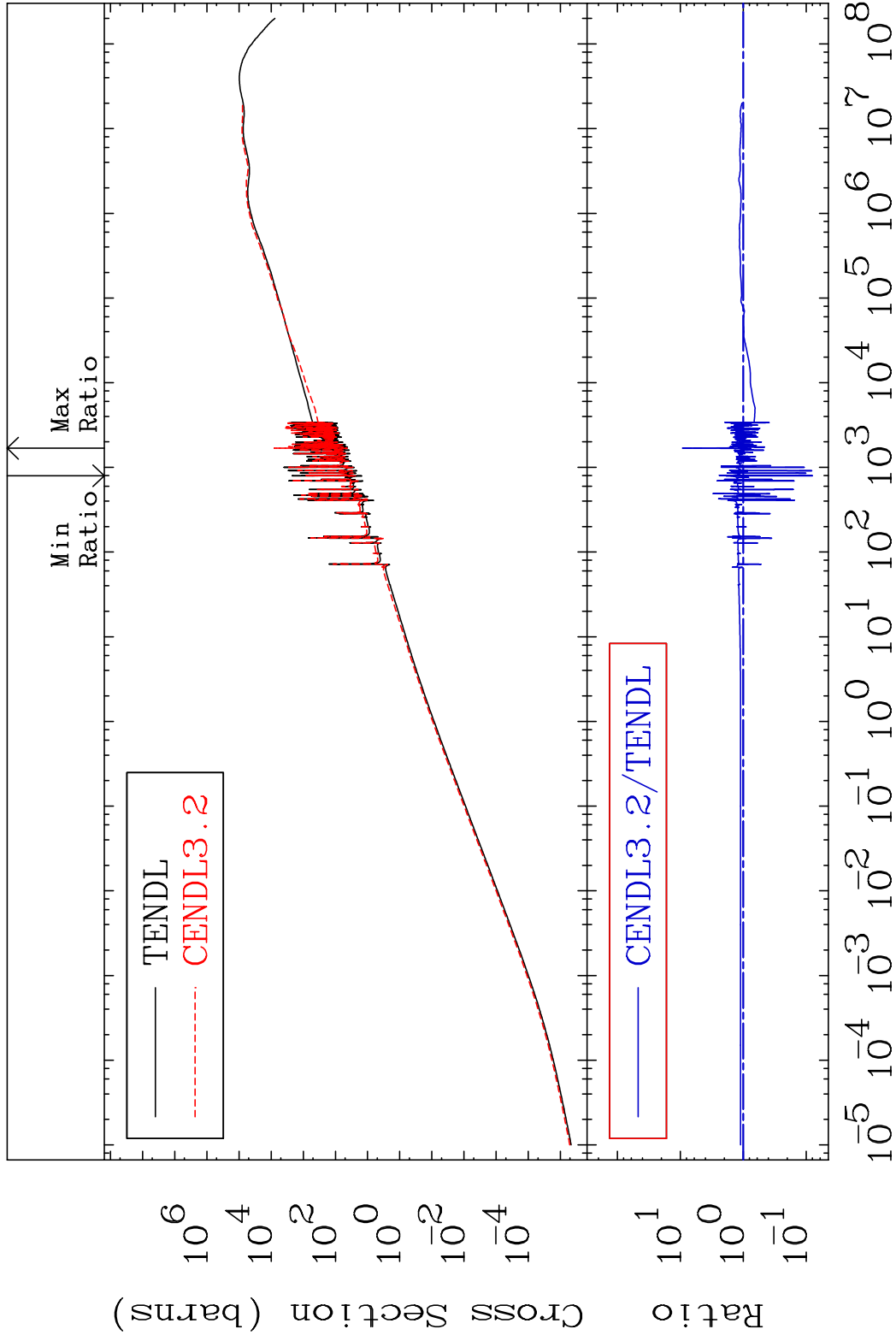
MAT 5331

Kerma elastic

53-I -129

Cross Section

-92.08 To 828.3 %

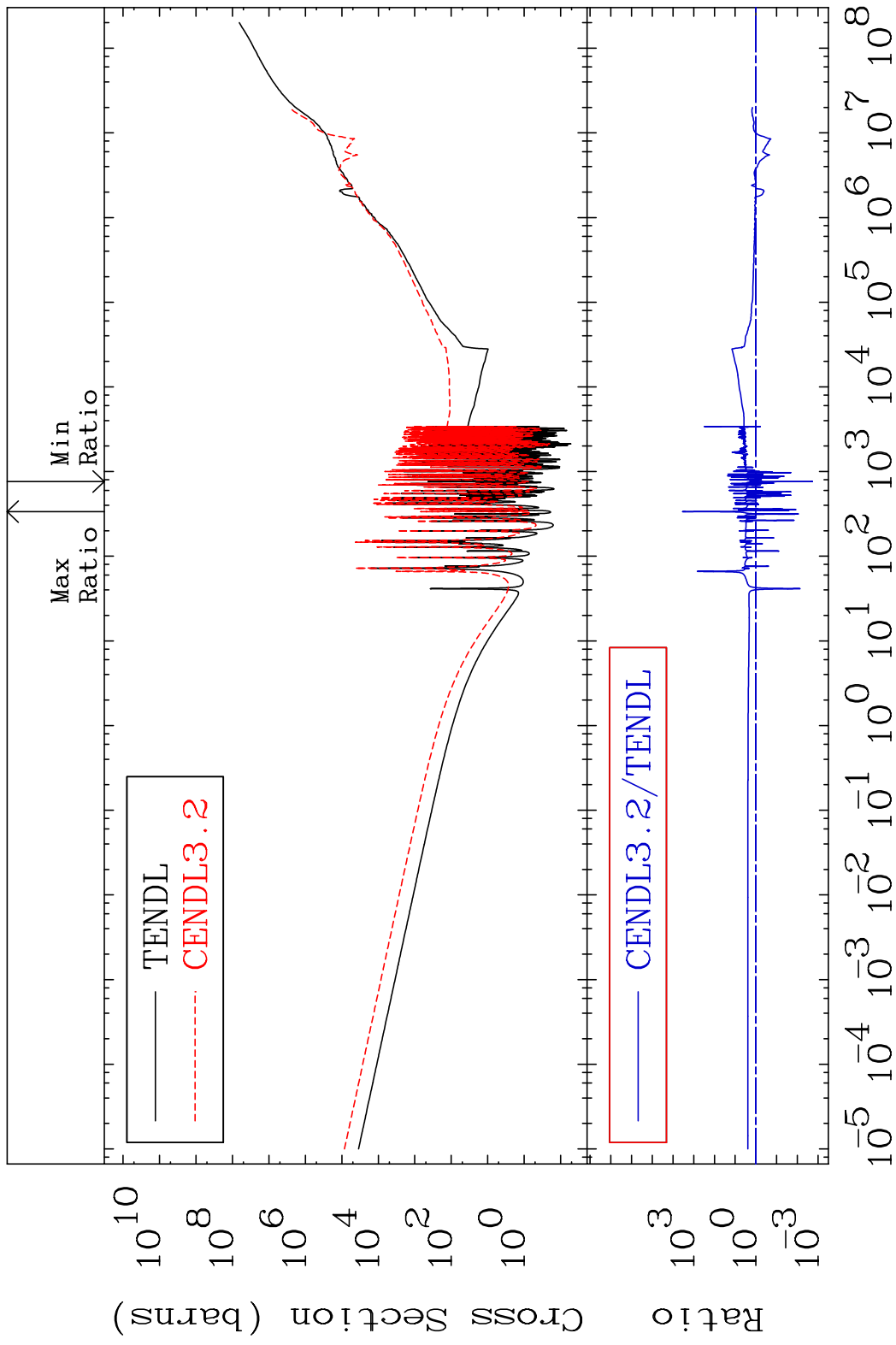


31

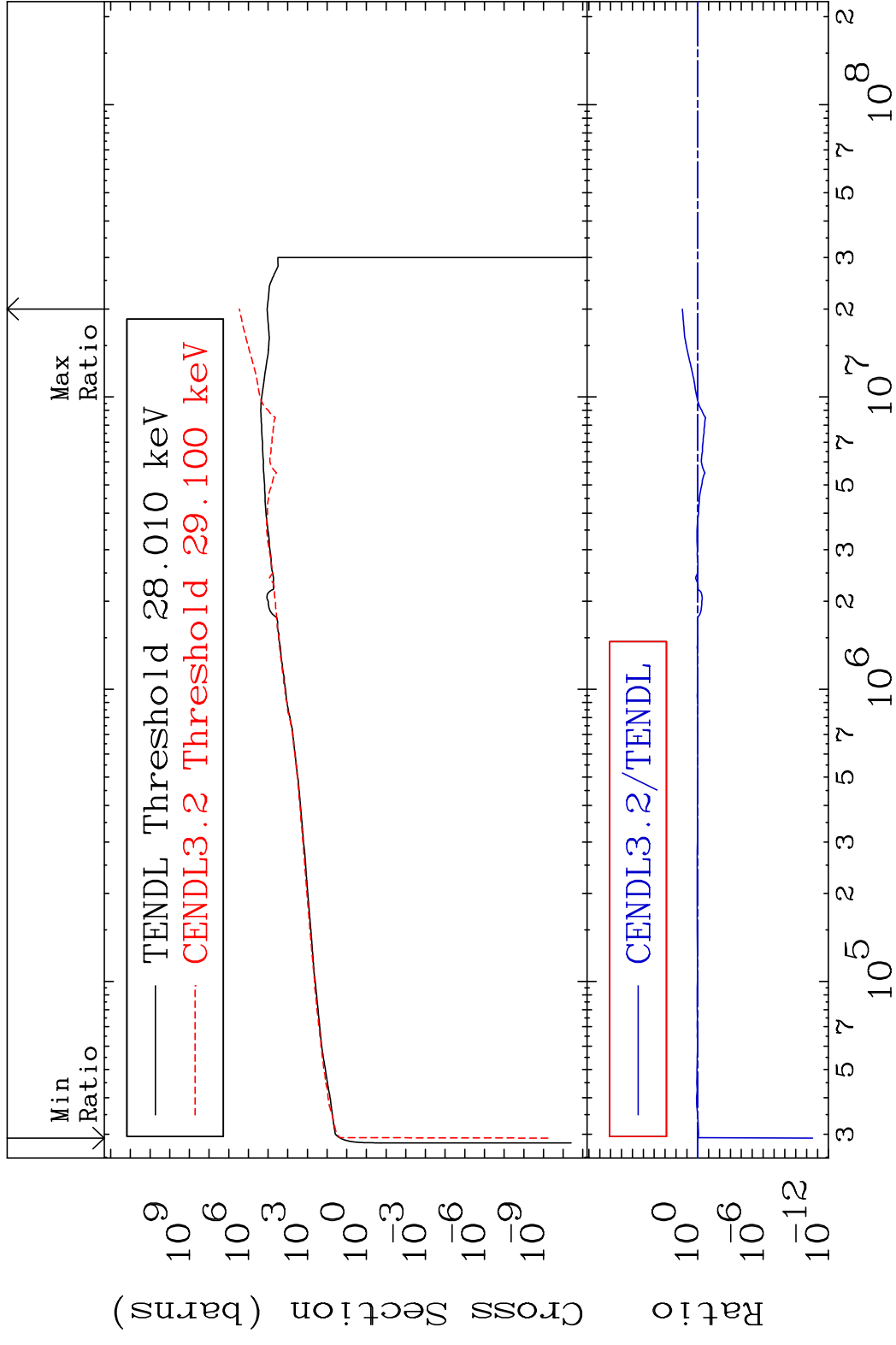
Incident Energy (eV)

53-I -129

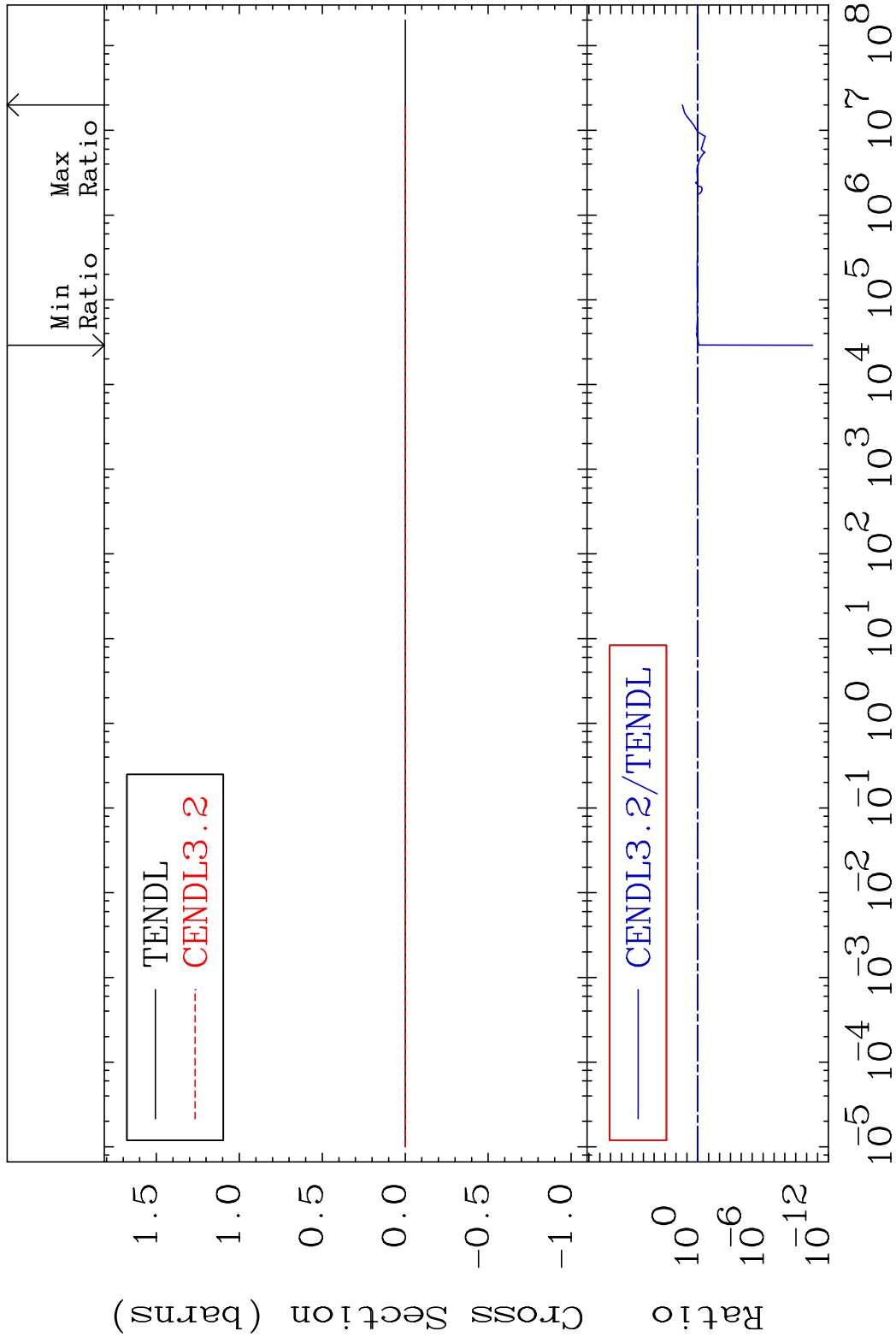
MAT 5331 Kerma non-elastic (all but mt2) 53-I -129
 Cross Section -99.82 To 9999. %



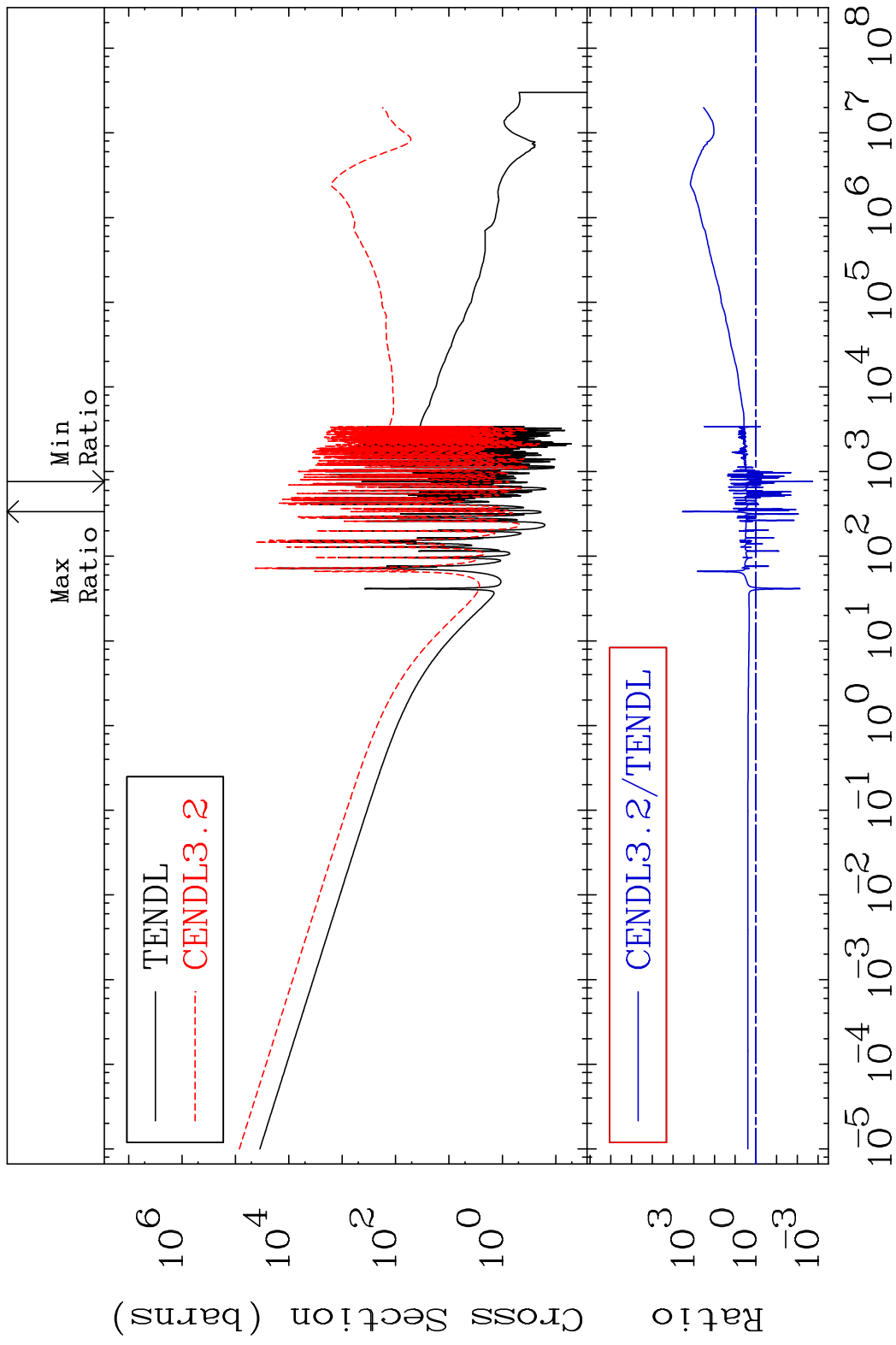
MAT 5331 Kerma inelastic (mt51-91) 53-I -129
 Cross Section -100.0 To 2490. %



MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129
 Cross Section -100.0 To 2490. %



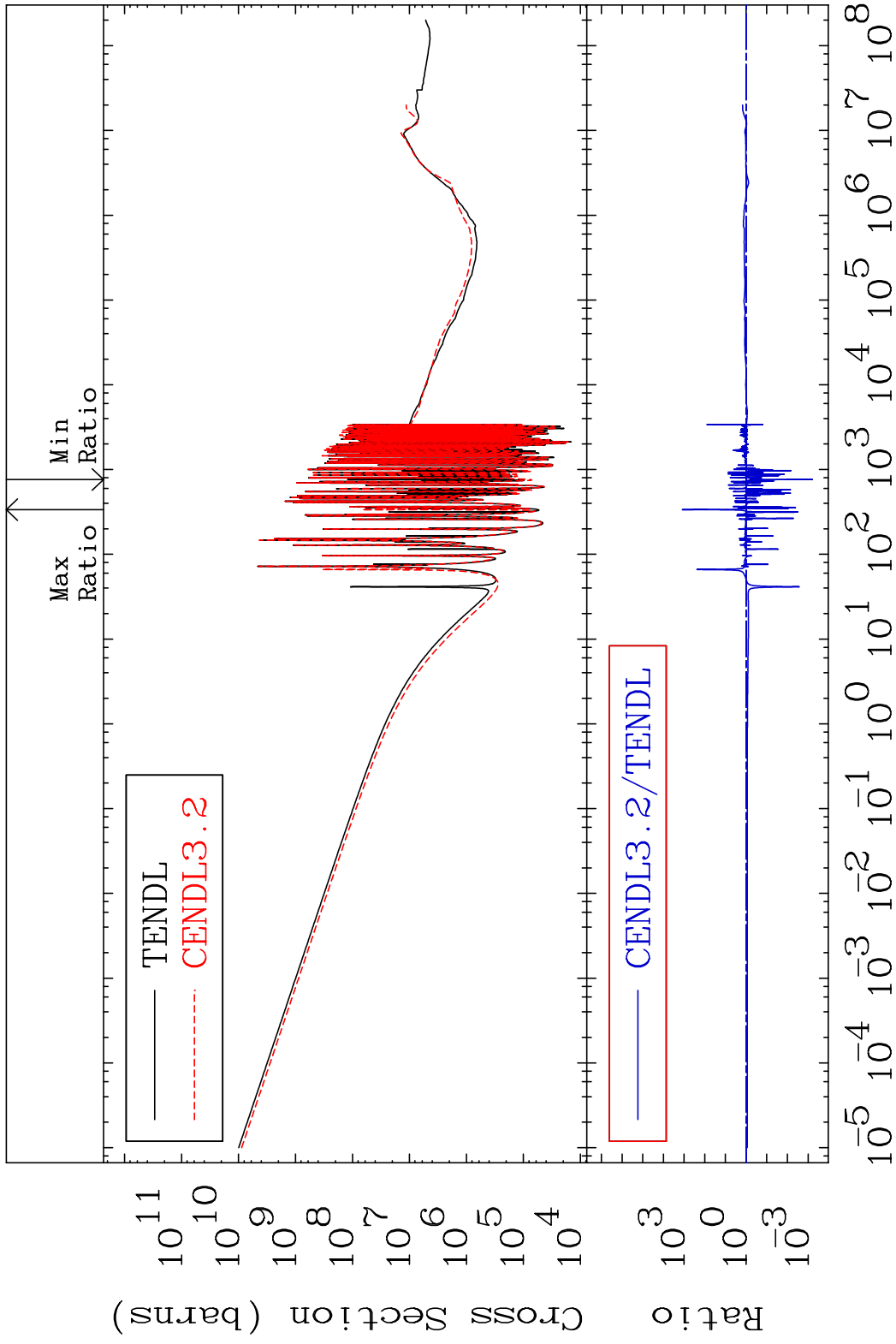
MAT 5331 Kerma capture (mt102) 53-I -129
 Cross Section -99.82 To 9999. %



35 Incident Energy (eV) 53-I -129

MAT 5331

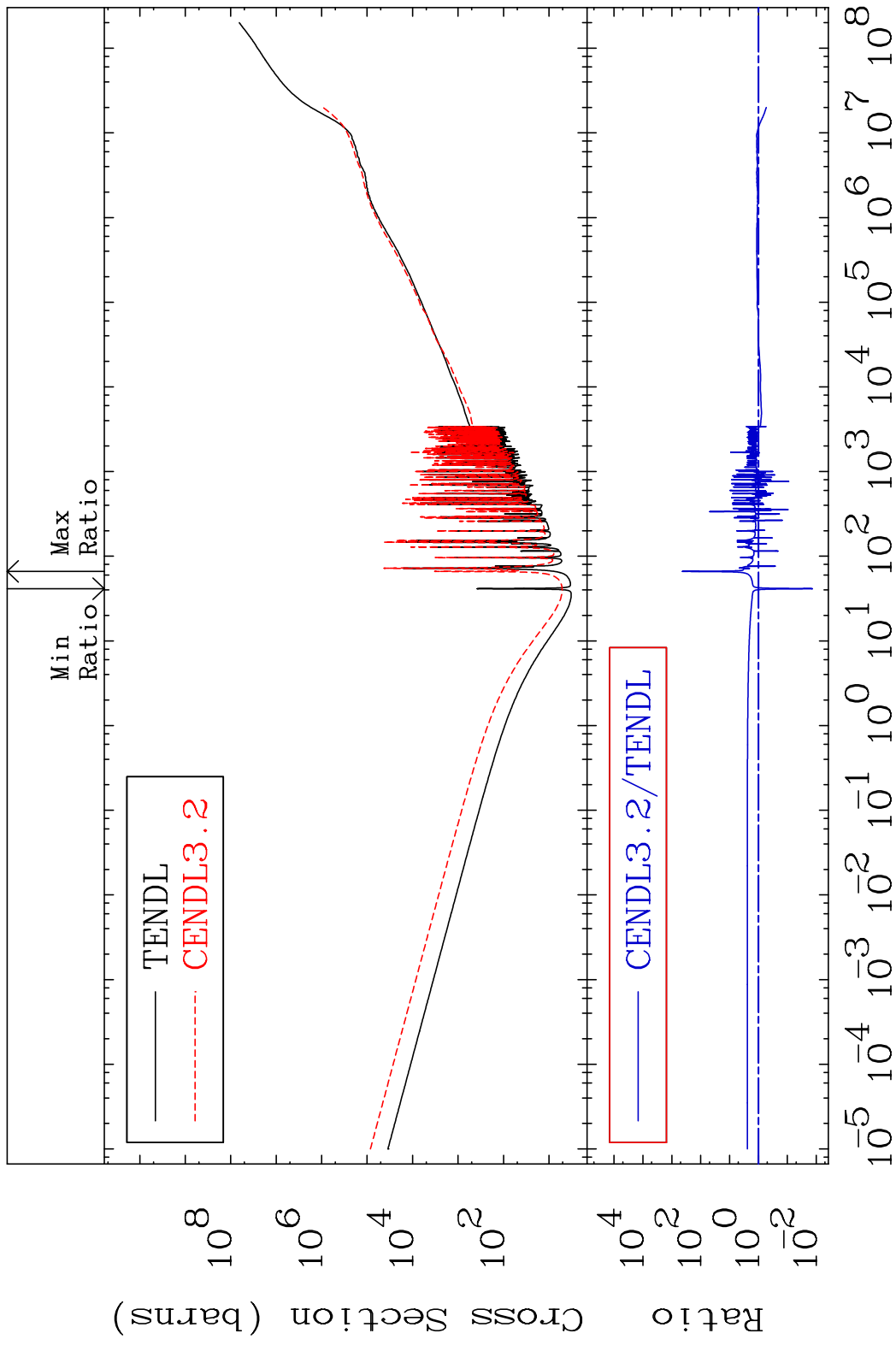
Total photon (eV-barns) 53-I -129
Cross Section -99.94 To 9999. %



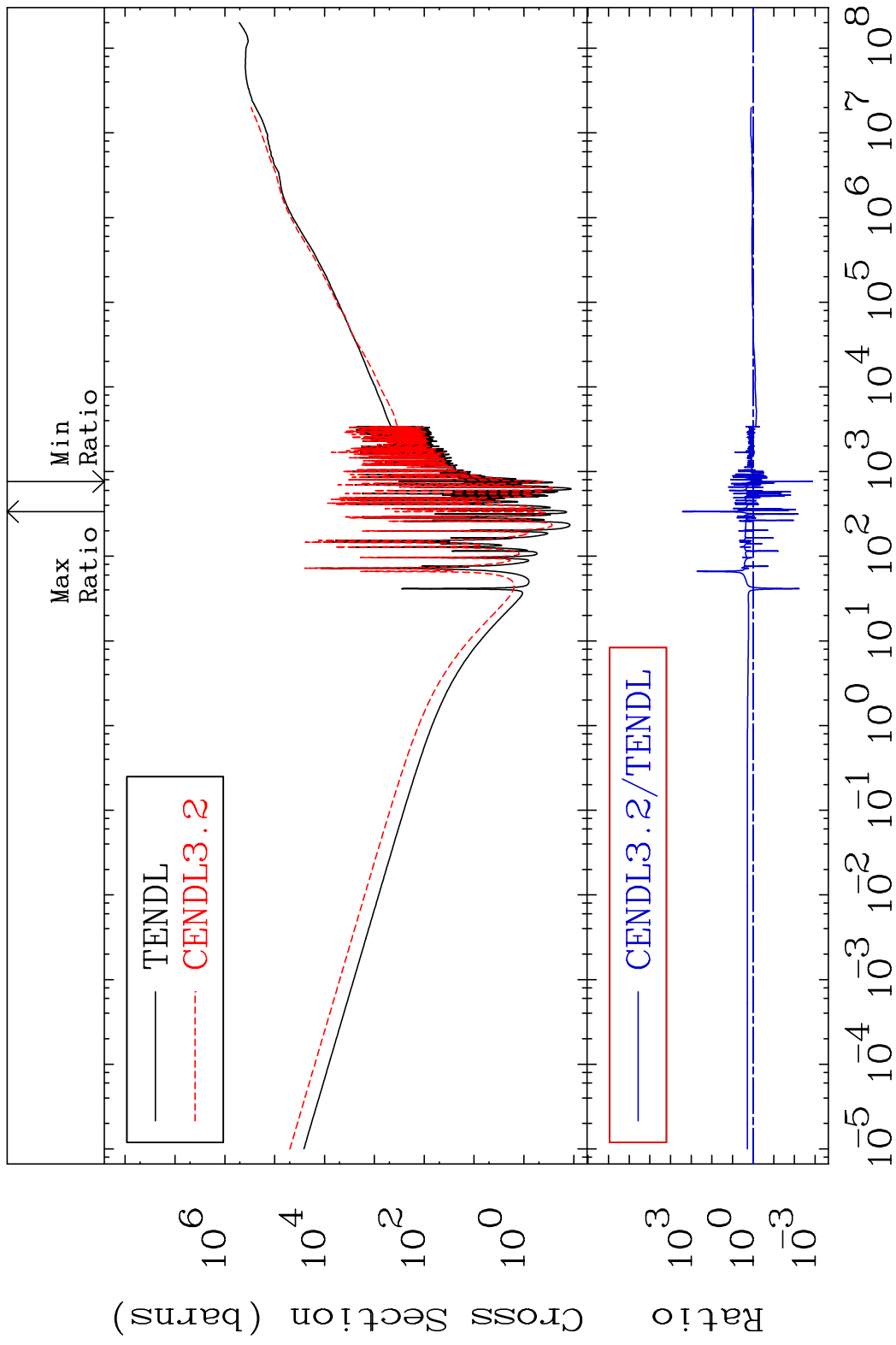
36

Incident Energy (eV) 53-I -129

MAT 5331 Total kinematic kerma (high limit) 53-I -129
 Cross Section -98.66 To 9999. %



MAT 5331 Dpa total (eV-barns) 53-I -129
 Cross Section -99.87 To 9999. %



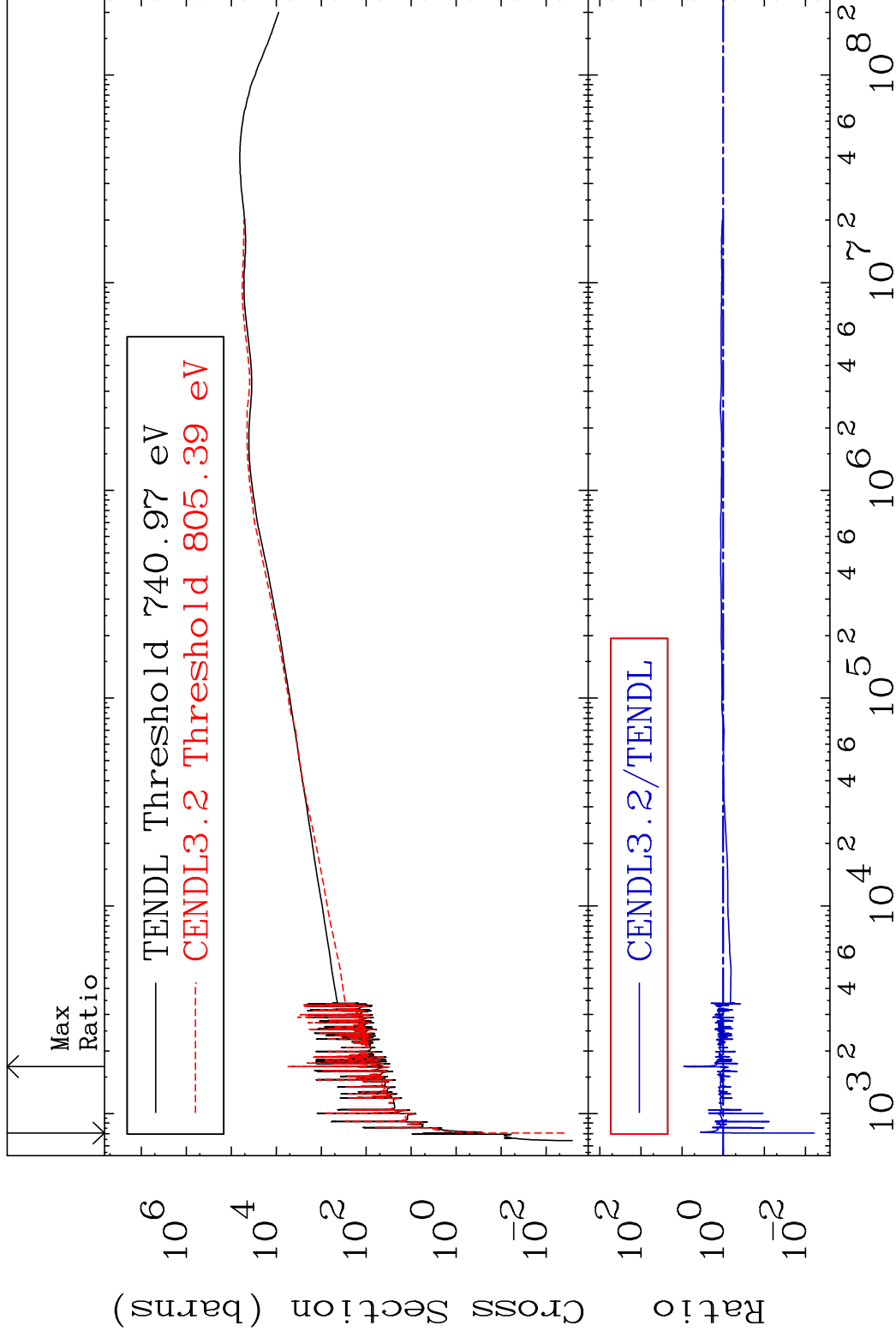
38 Incident Energy (eV) 53-I -129

MAT 5331

Dpa elastic (mt2)

53-I -129

Cross Section -99.38 To 814.6 %

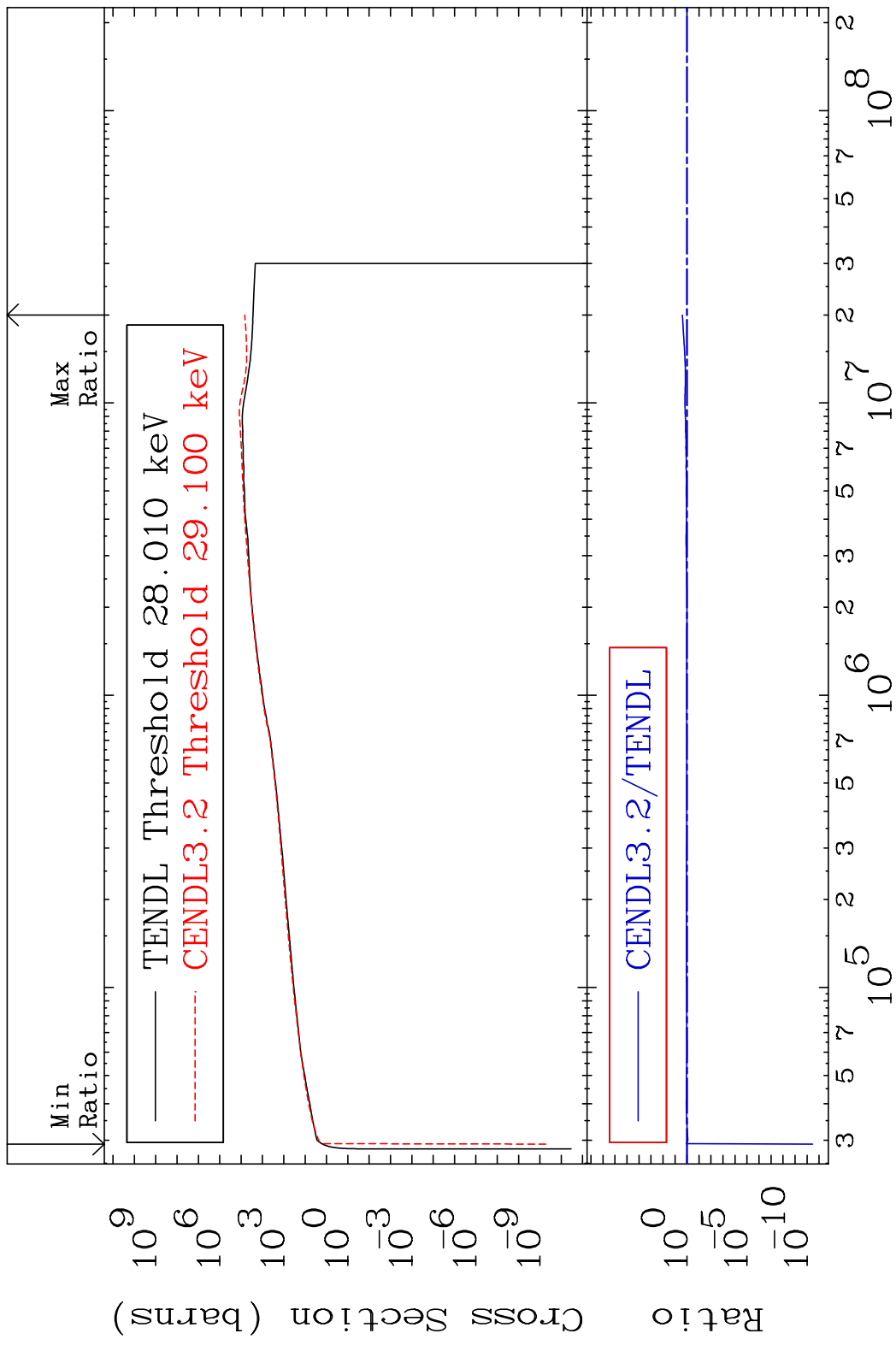


39

Incident Energy (eV)

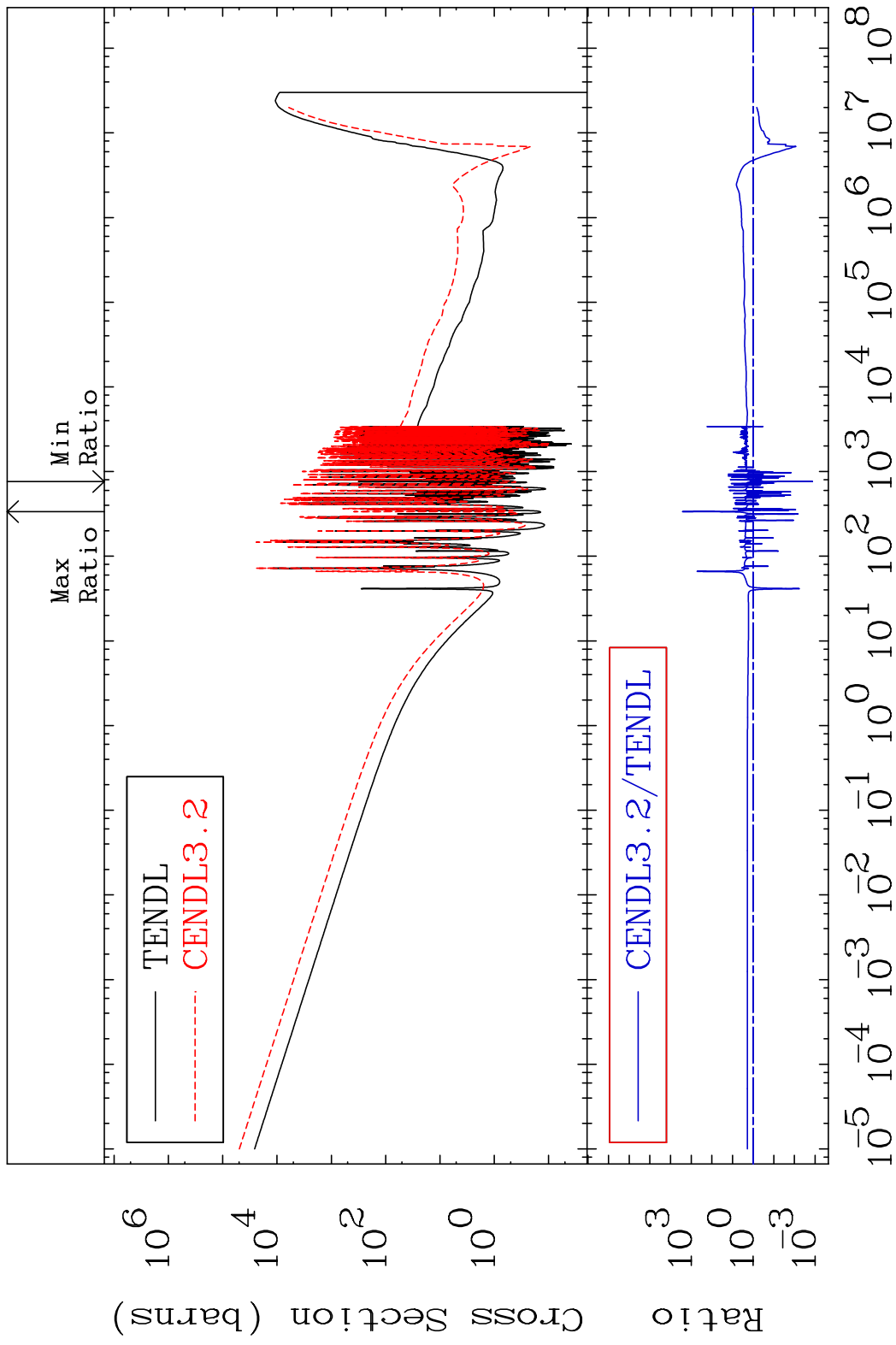
53-I -129

MAT 5331 Dpa inelastic (mt51-91) 53-I -129
 Cross Section -100.0 To 143.1 %

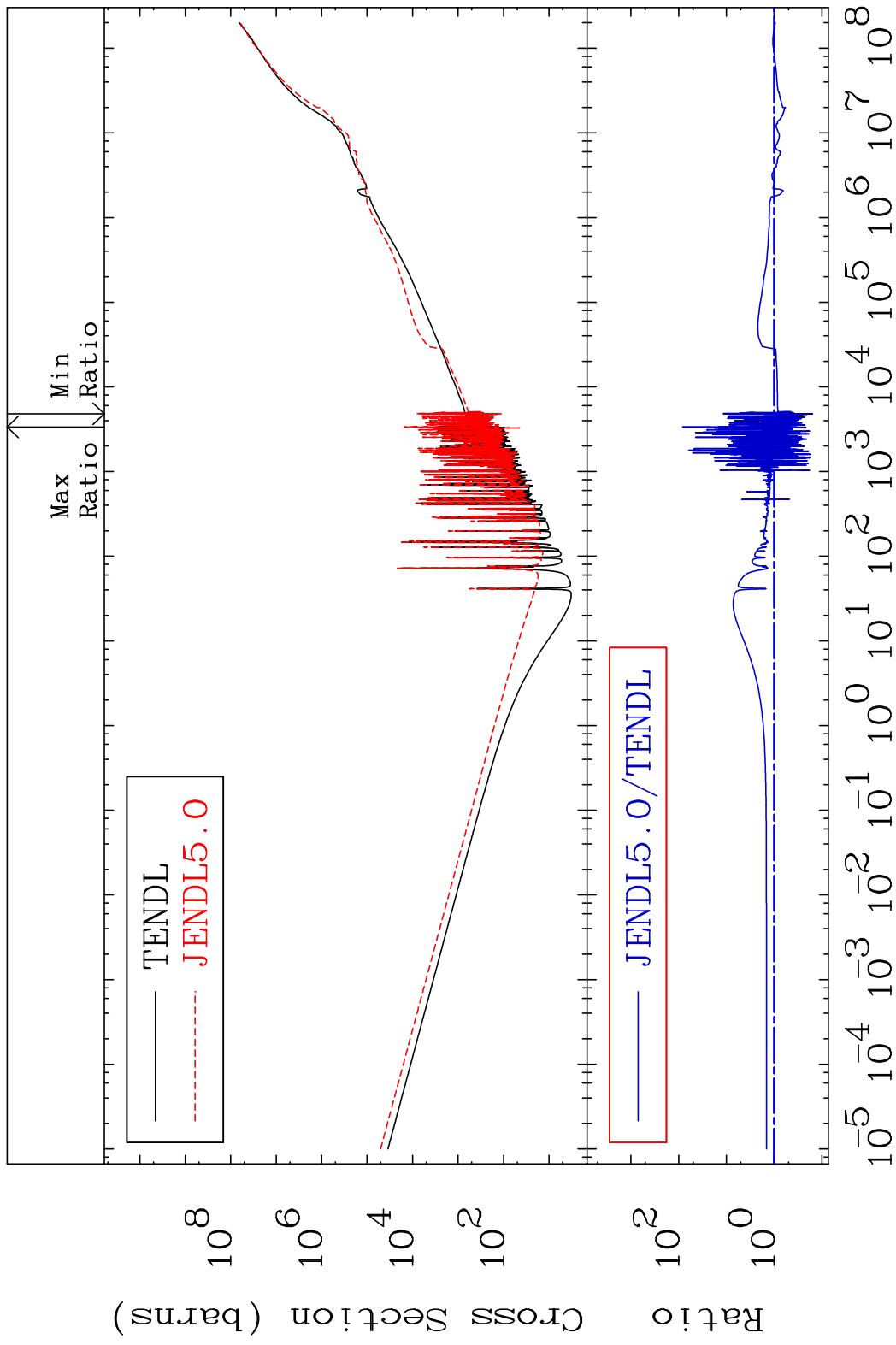


40 Incident Energy (eV) 53-I -129

MAT 5331 Dpa disappearance (mt102 -120) 53-I -129
 Cross Section -99.87 To 9999. %



MAT 5331 Kerma total (eV-barns) 53-I -129
 Cross Section -84.28 To 8265. %



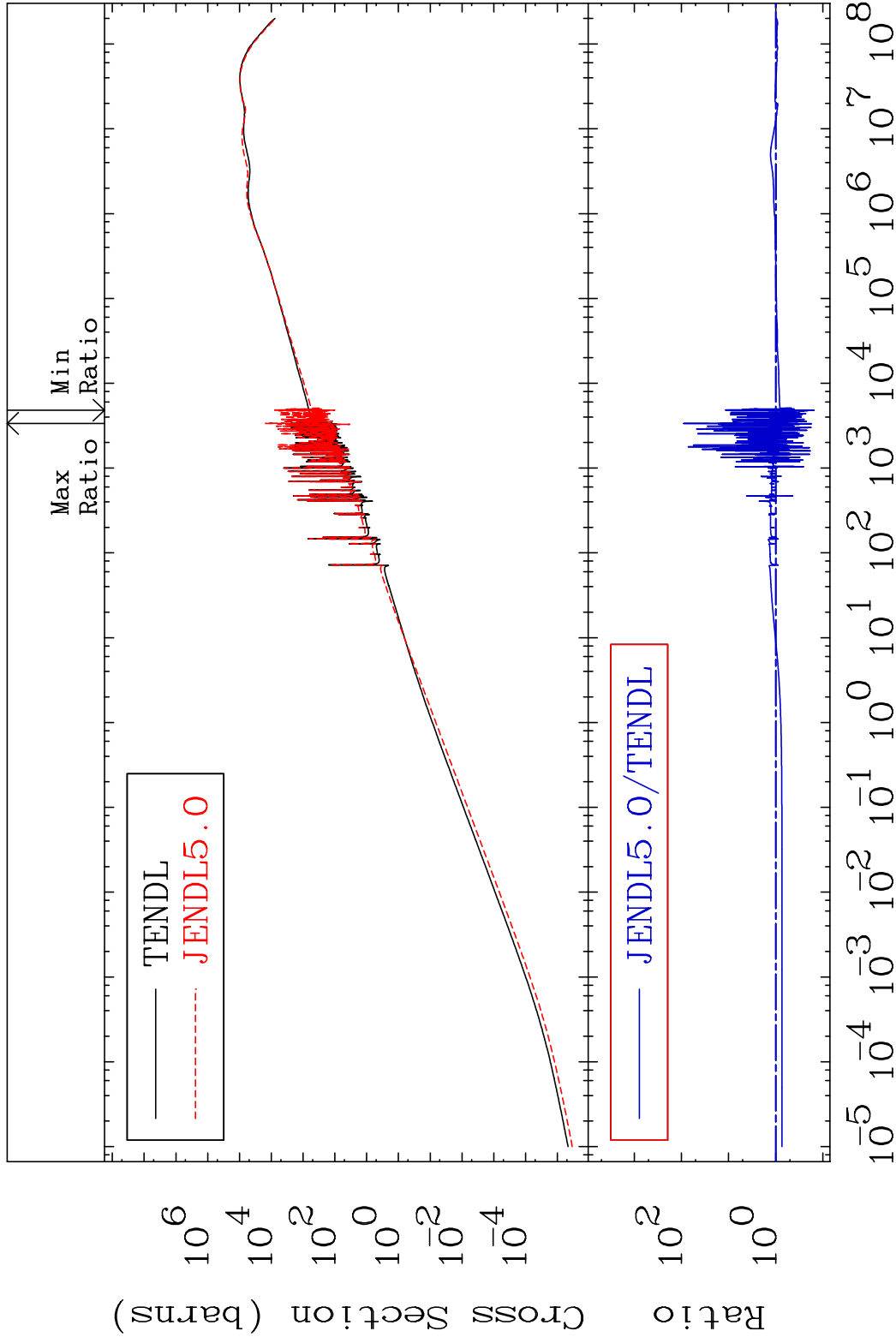
42 Incident Energy (eV) 53-I -129

MAT 5331

Kerma elastic

53-I -129

Cross Section -84.73 To 8883. %

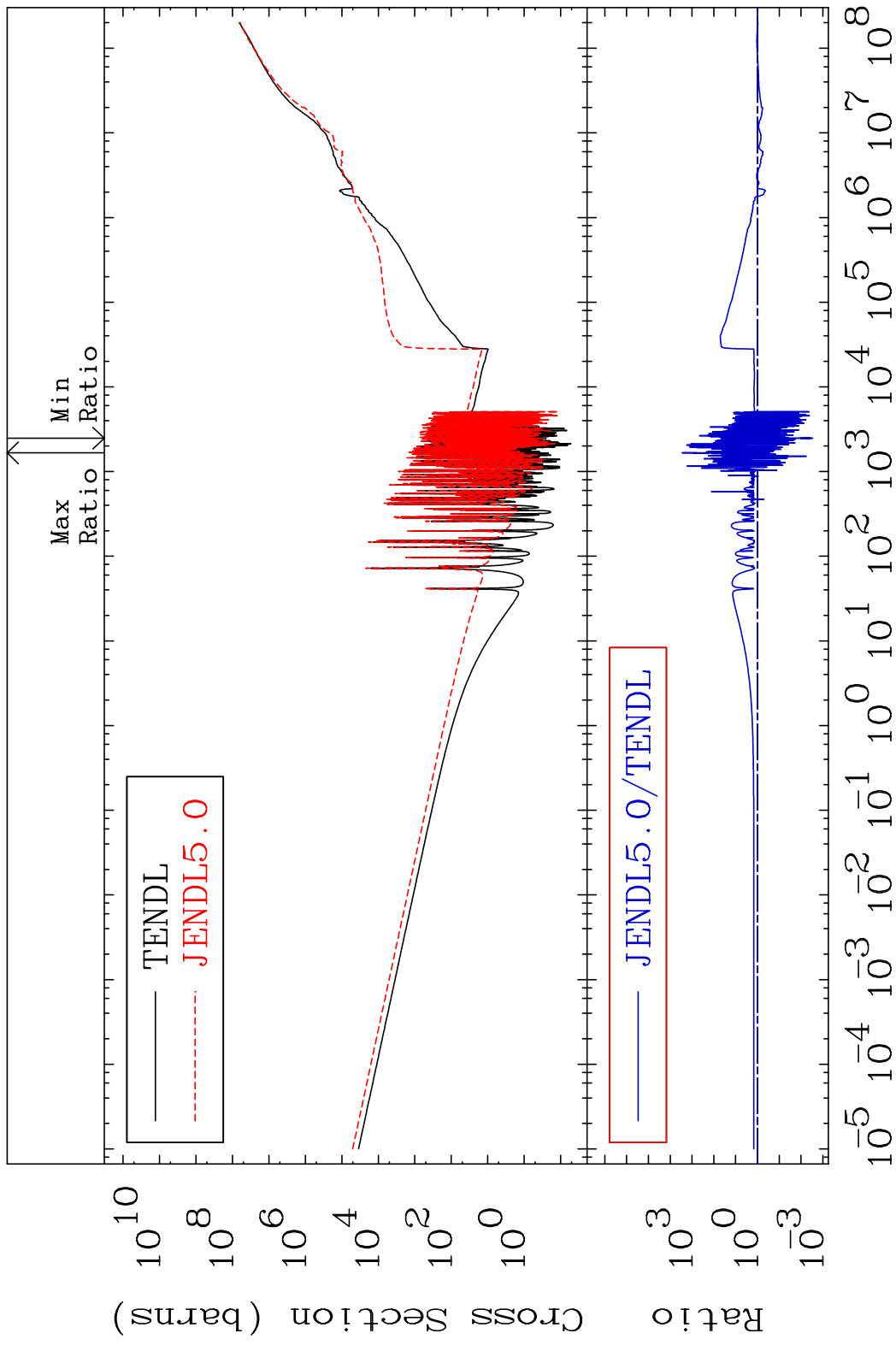


43

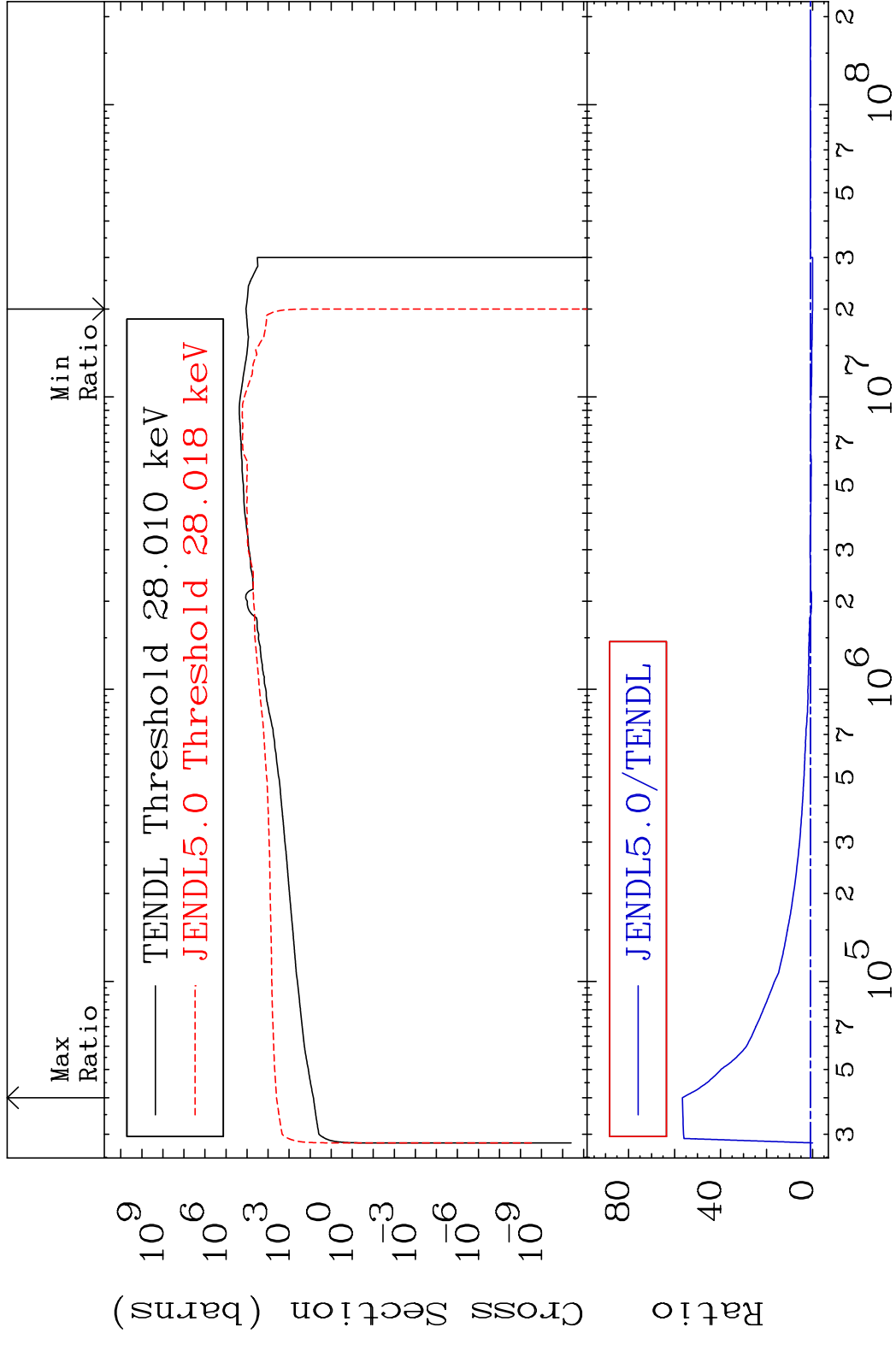
Incident Energy (eV)

53-I -129

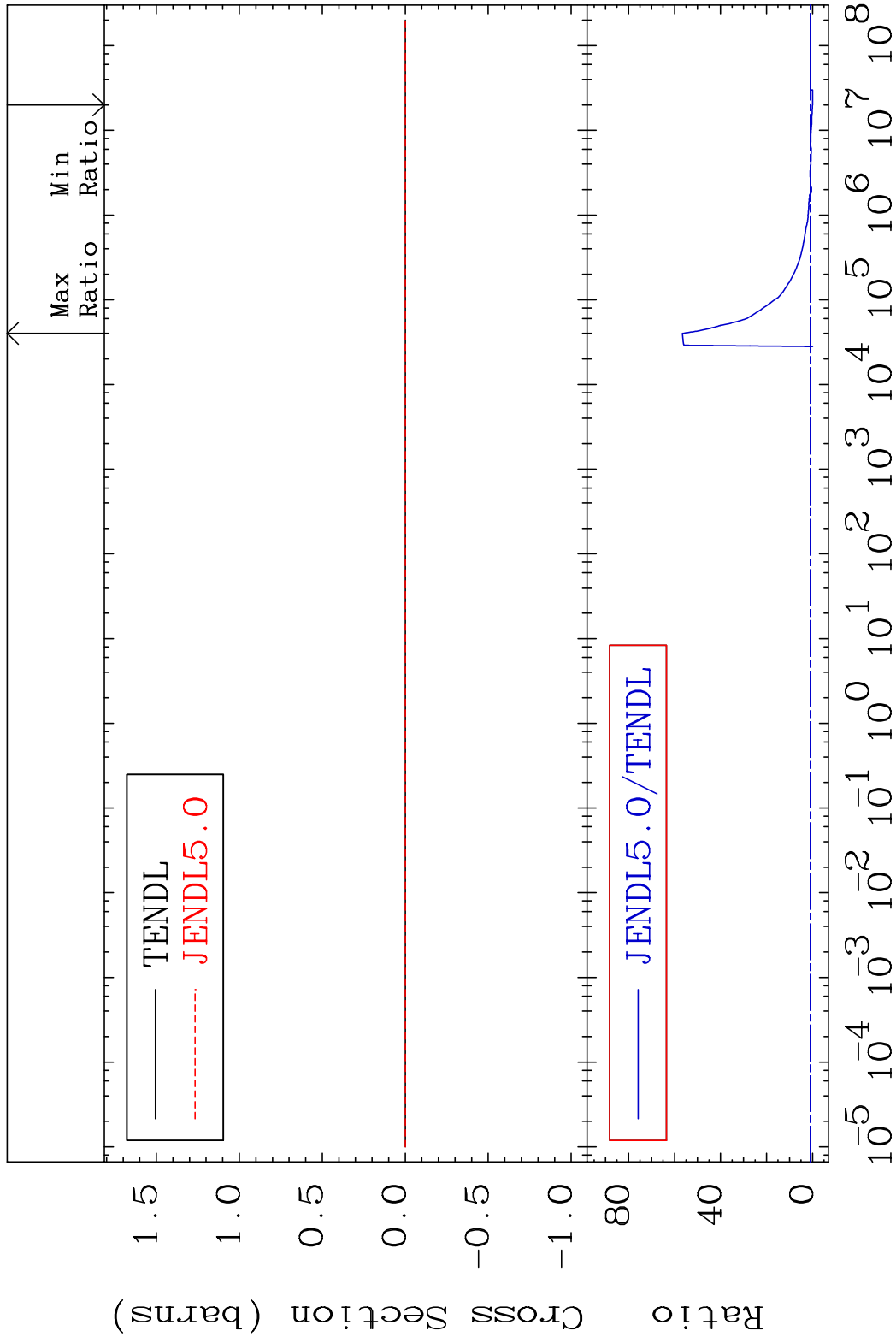
MAT 5331 Kerma non-elastic (all but mt2) 53-I -129
 Cross Section -99.70 To 9999. %



MAT 5331 Kerma inelastic (mt51-91) 53-I -129
 Cross Section -100.1 To 5560. %



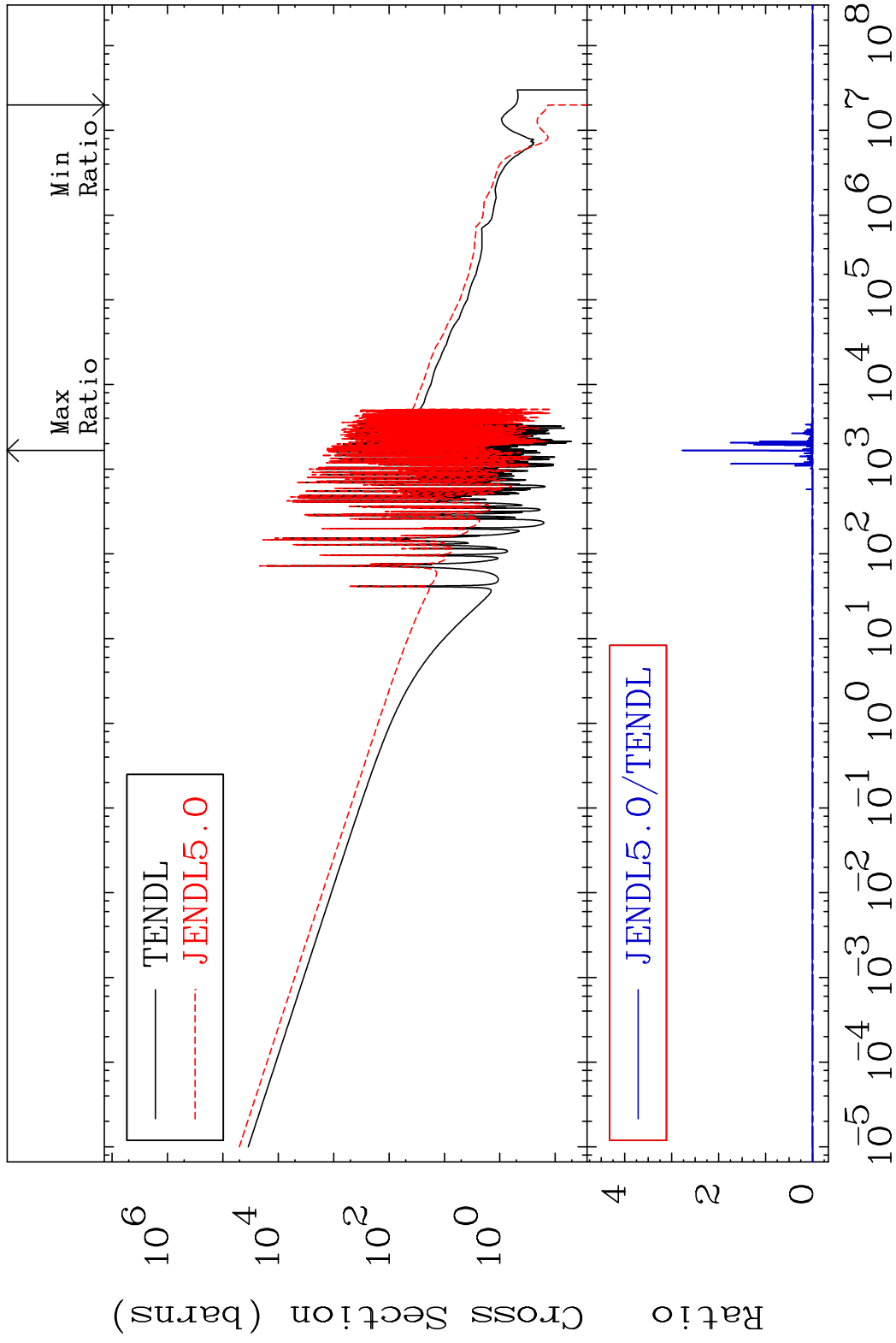
MAT 5331 Kerma fission (mt18 or mt19-20-21-38)53-I -129
 Cross Section -100.1 To 5560. %



MAT 5331

Kerma capture (mt102) 53-I -129

Cross Section -100.0 To 9999. %

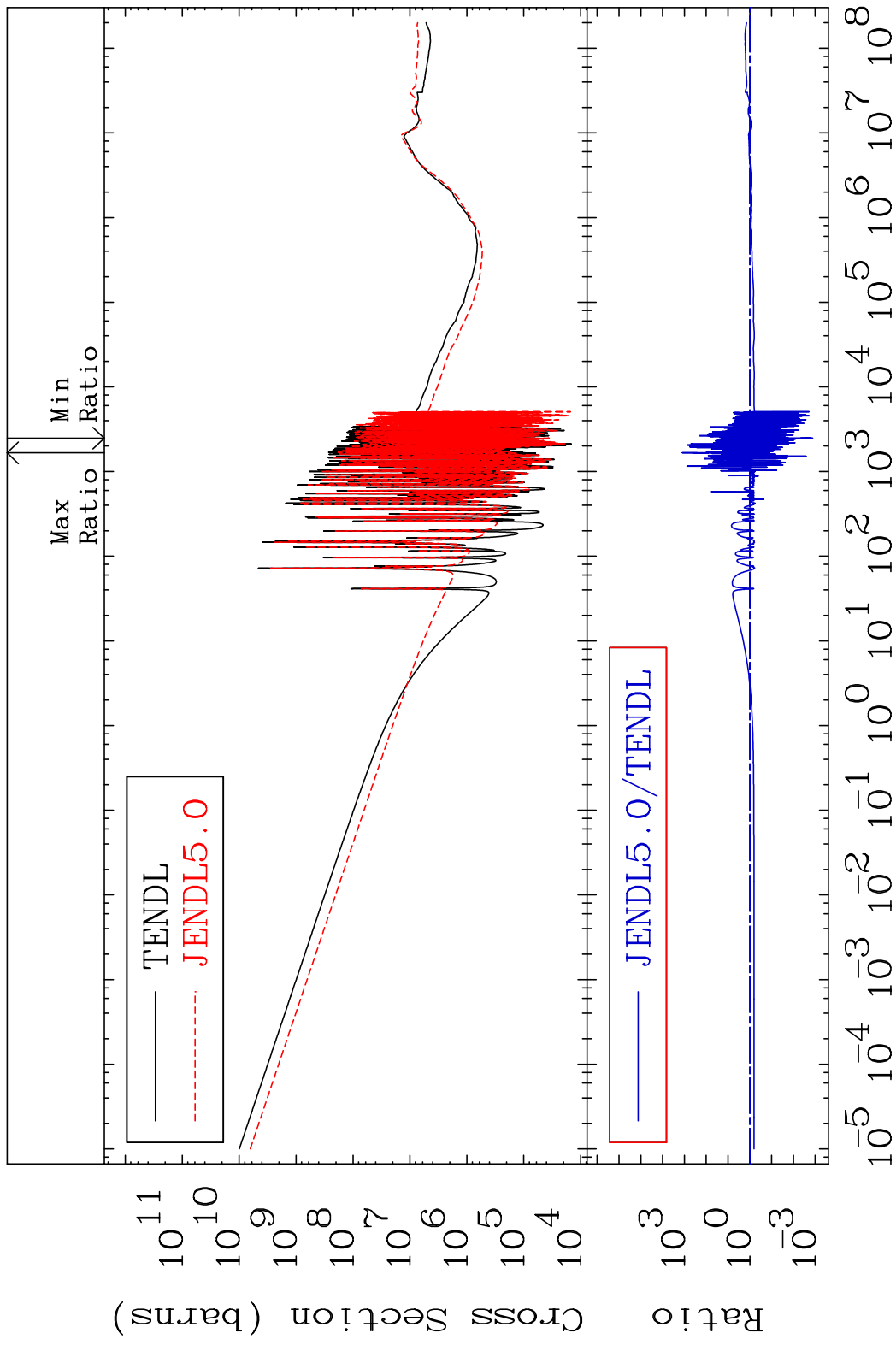


47

Incident Energy (eV)

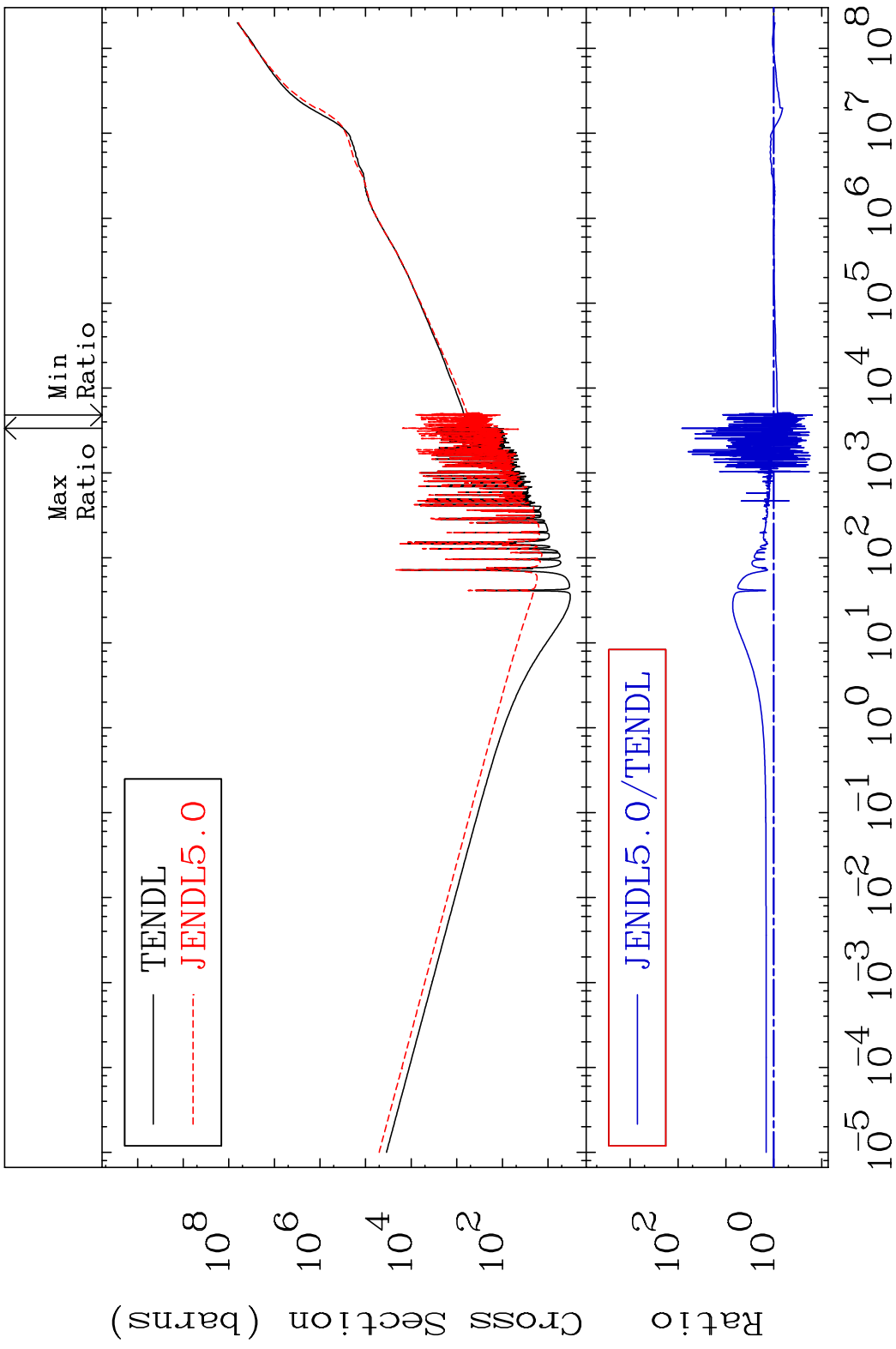
53-I -129

MAT 5331 Total photon (eV-barns) 53-I -129
 Cross Section -99.87 To 9999. %



48 Incident Energy (eV) 53-I -129

MAT 5331 Total kinematic kerma (high limit) 53-I -129
Cross Section -84.28 To 8265. %

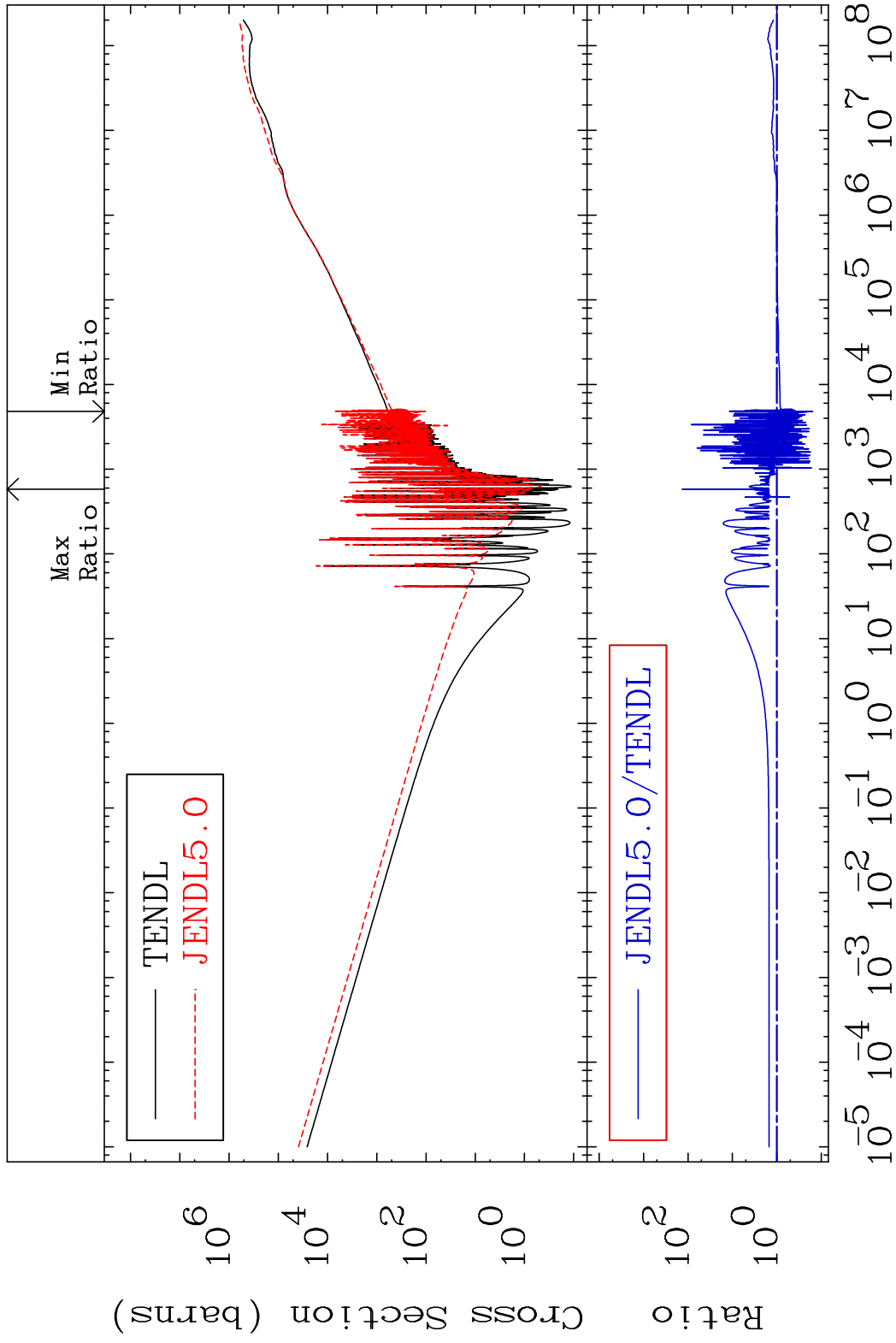


MAT 5331

Dpa total (eV-barns)

53-I -129

Cross Section -84.34 To 9999. %



50

Incident Energy (eV)

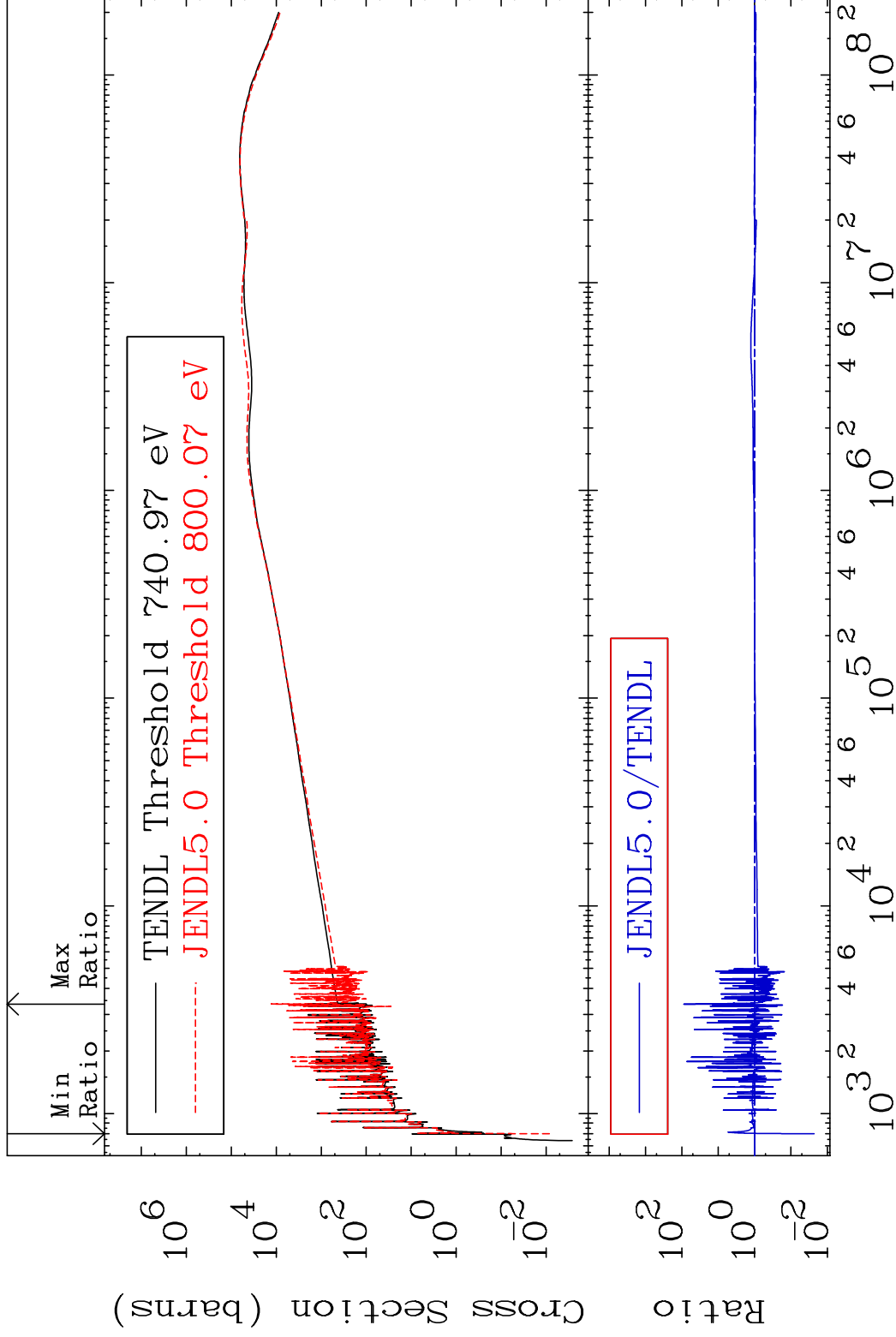
53-I -129

MAT 5331

Dpa elastic (mt2)

53-I -129

Cross Section -97.69 To 8856. %

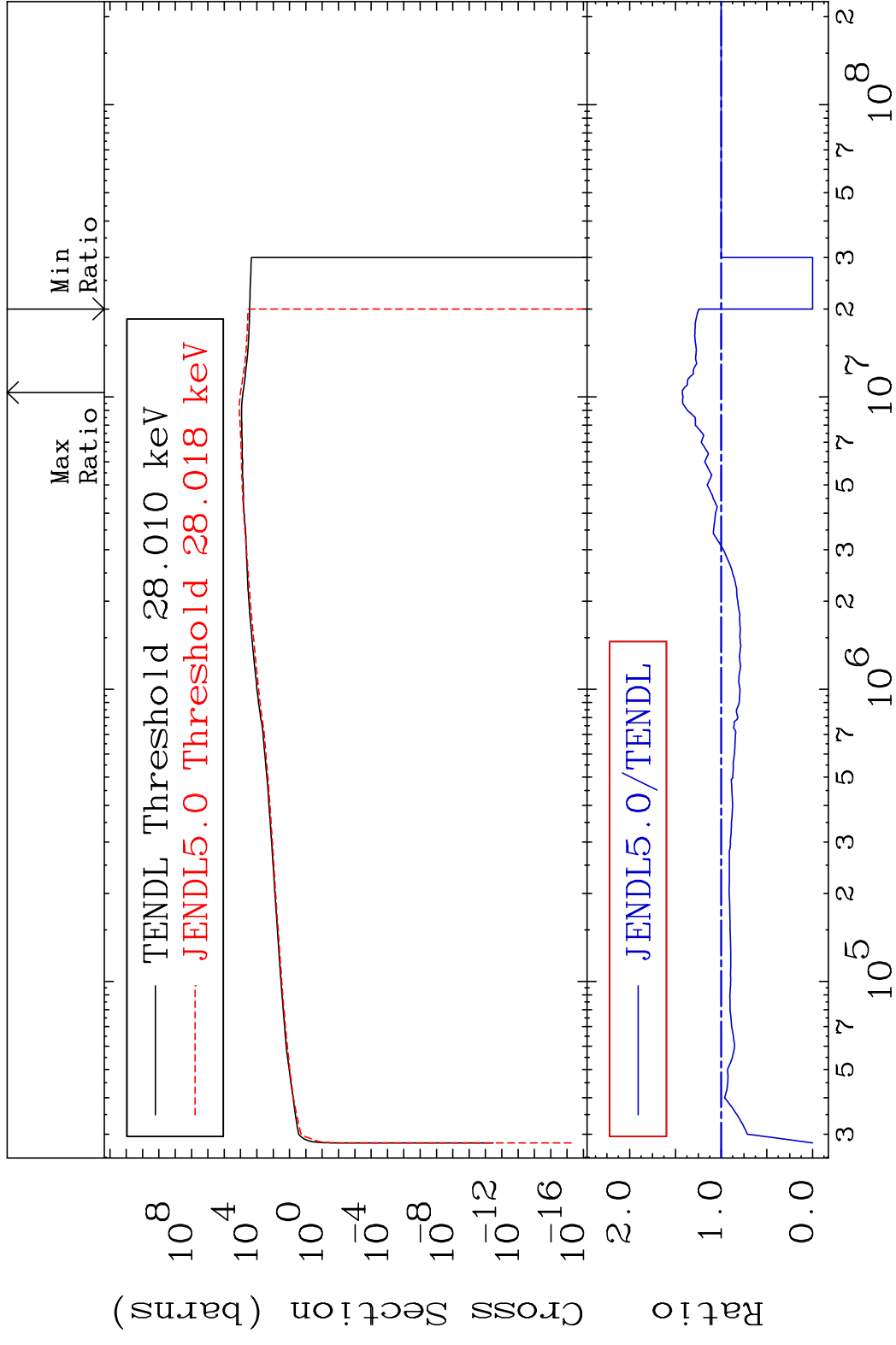


51

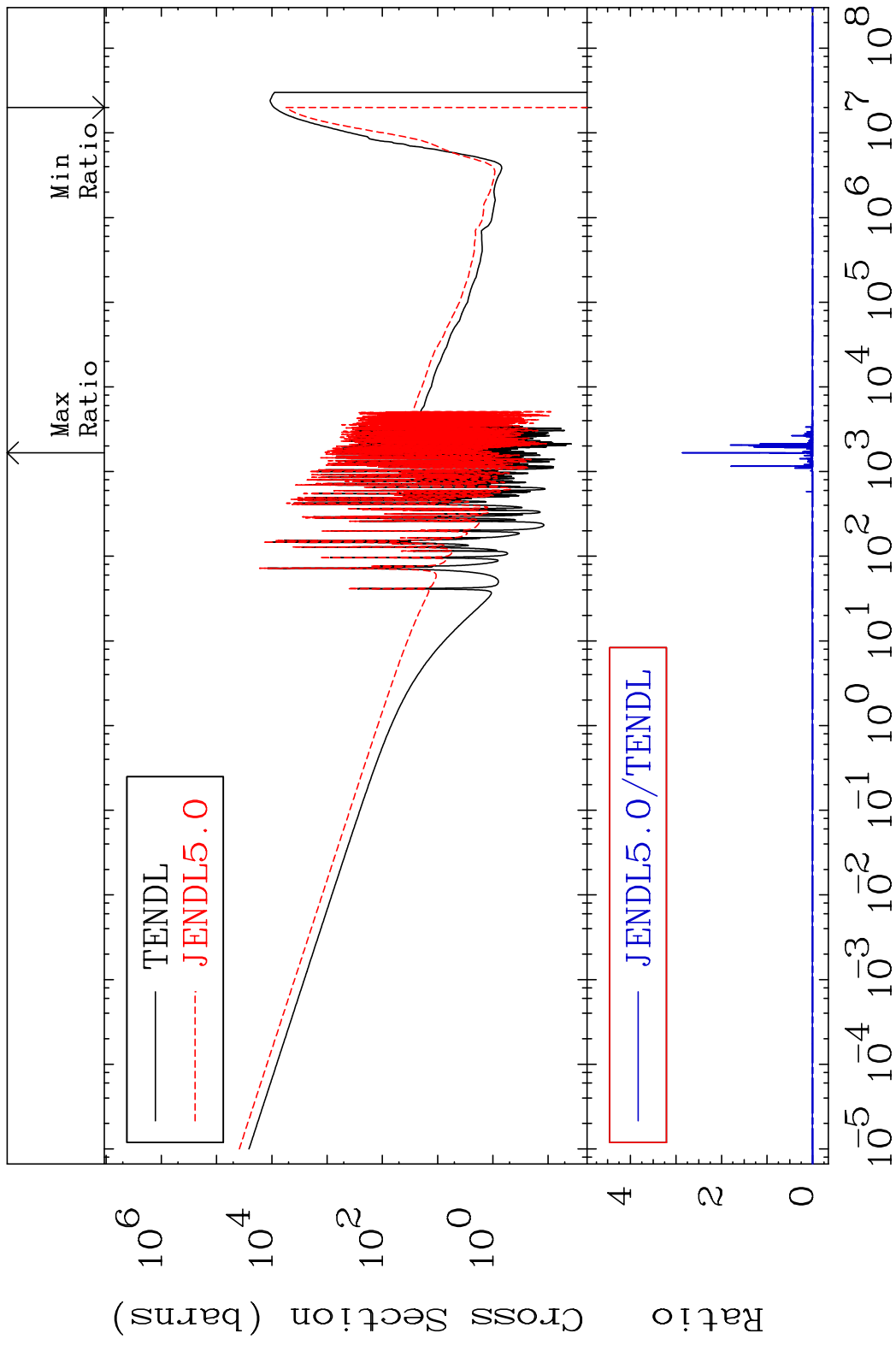
Incident Energy (eV)

53-I -129

MAT 5331 Dpa inelastic (mt51-91) 53-I -129
 Cross Section -100.0 To 42.44 %



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



53 Incident Energy (eV) 53-I -129

MAT 5331 (n, n') d:52-Te-127g 53-I -129
 Radionuclide Production Cross Section 180.01 dth 3340. %

