

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

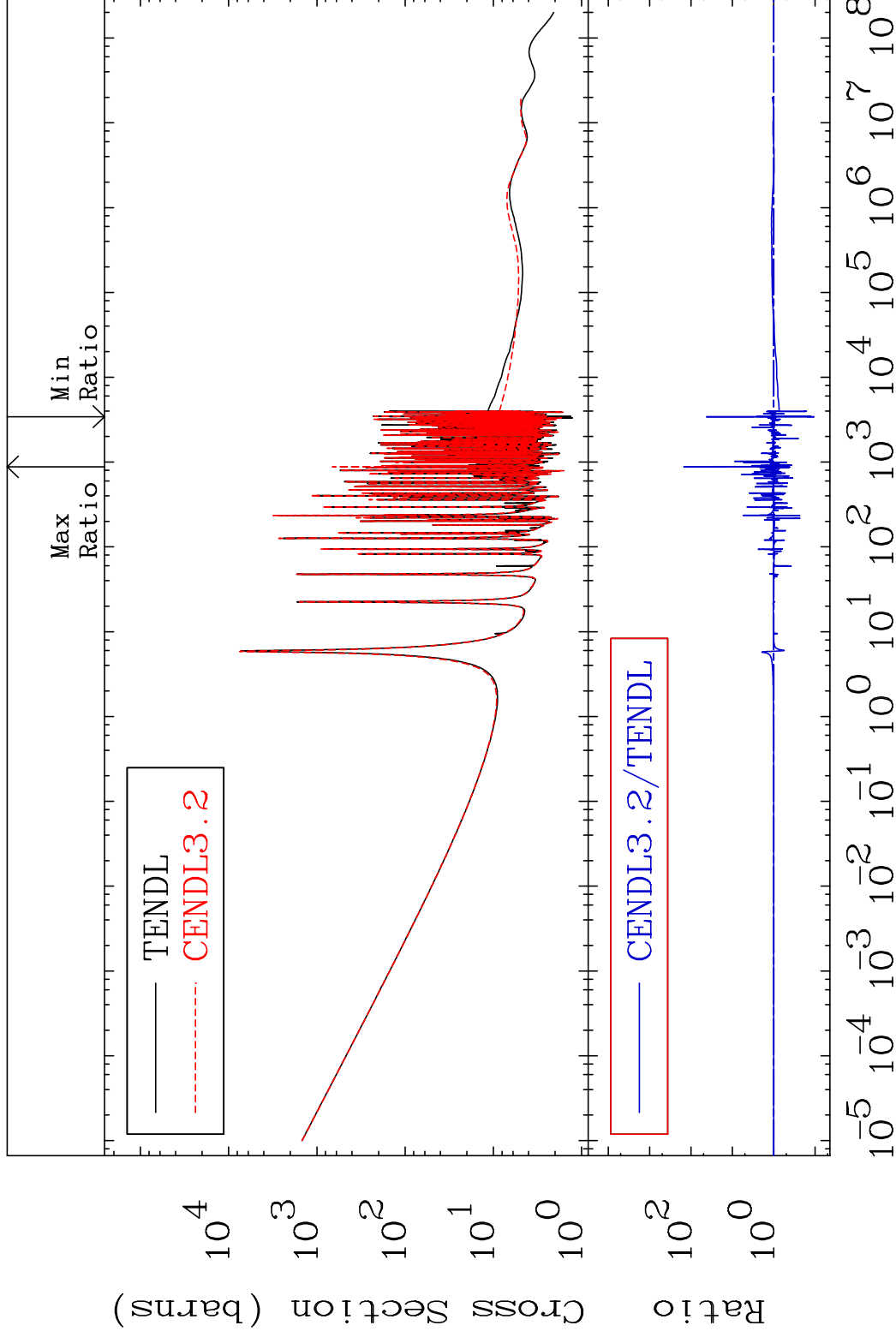
MAT 5525

Total

55-Cs-133

Cross Section

-89.39 To 9999. %



1

Incident Energy (eV)

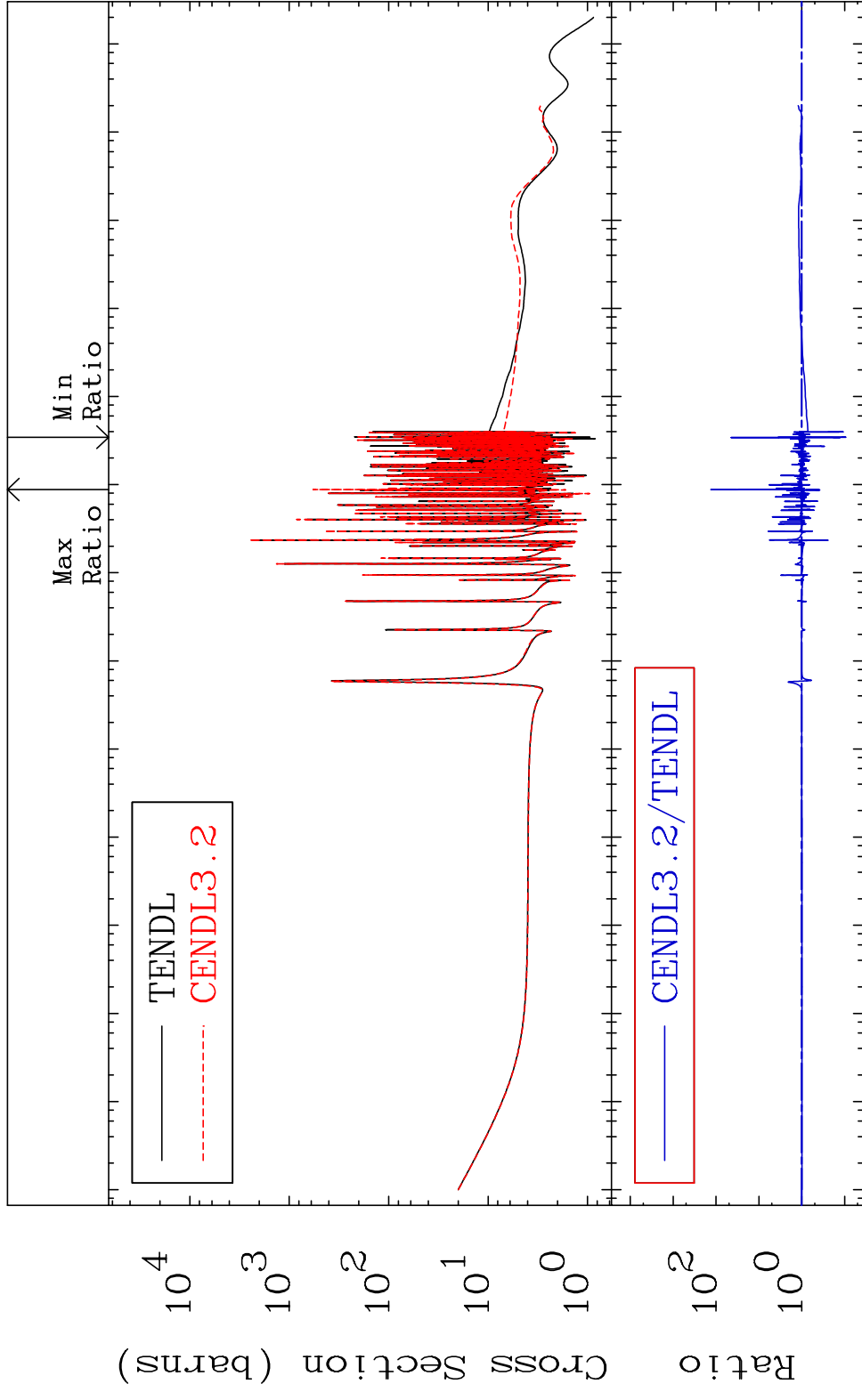
55-Cs-133

MAT 5525

55-Cs-133

Elastic

Cross Section -90.86 To 9999. %



2

Incident Energy (eV)

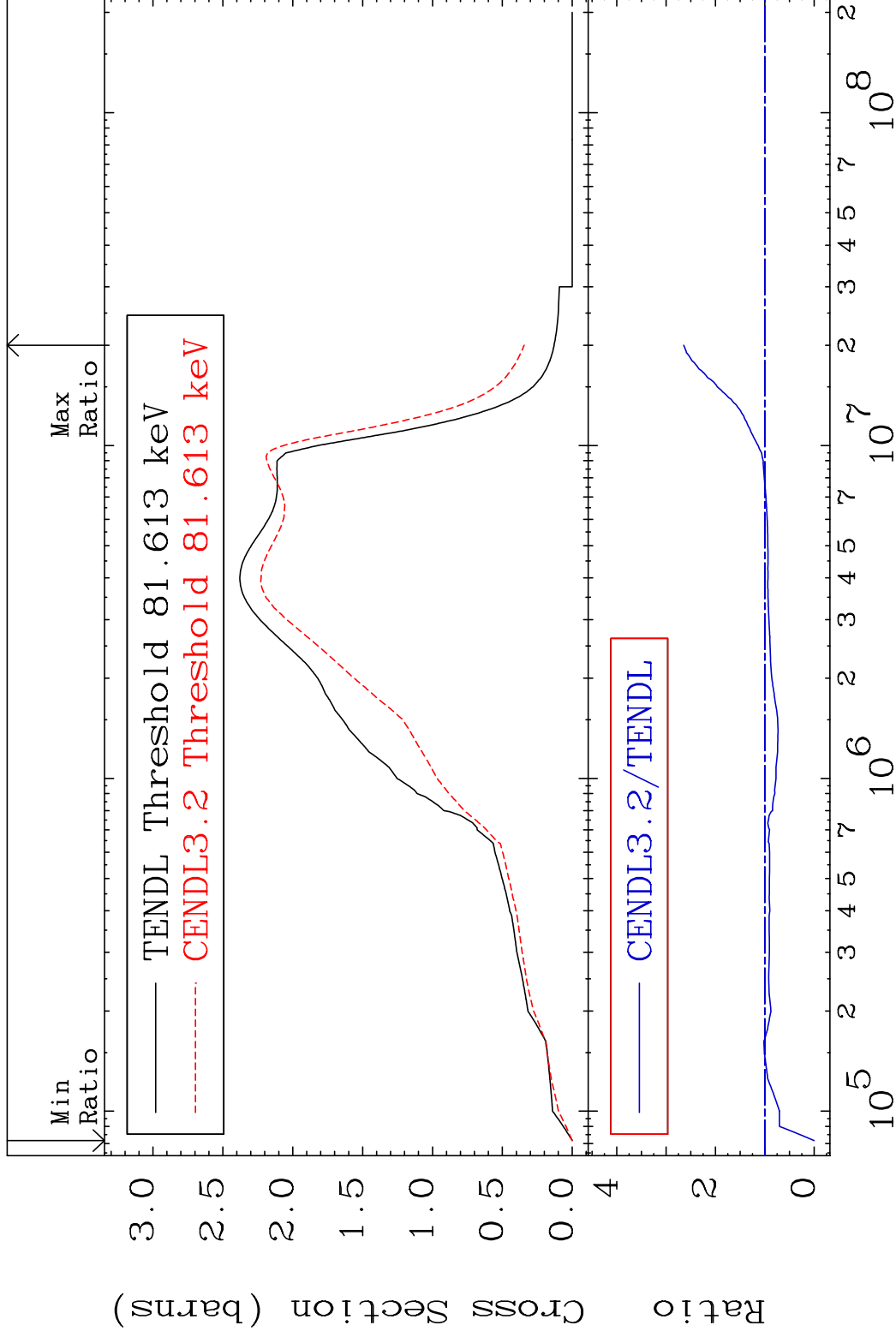
55-Cs-133

MAT 5525

Inelastic

55-Cs-133

Cross Section -100.0 To 164.3 %



3

Incident Energy (eV)

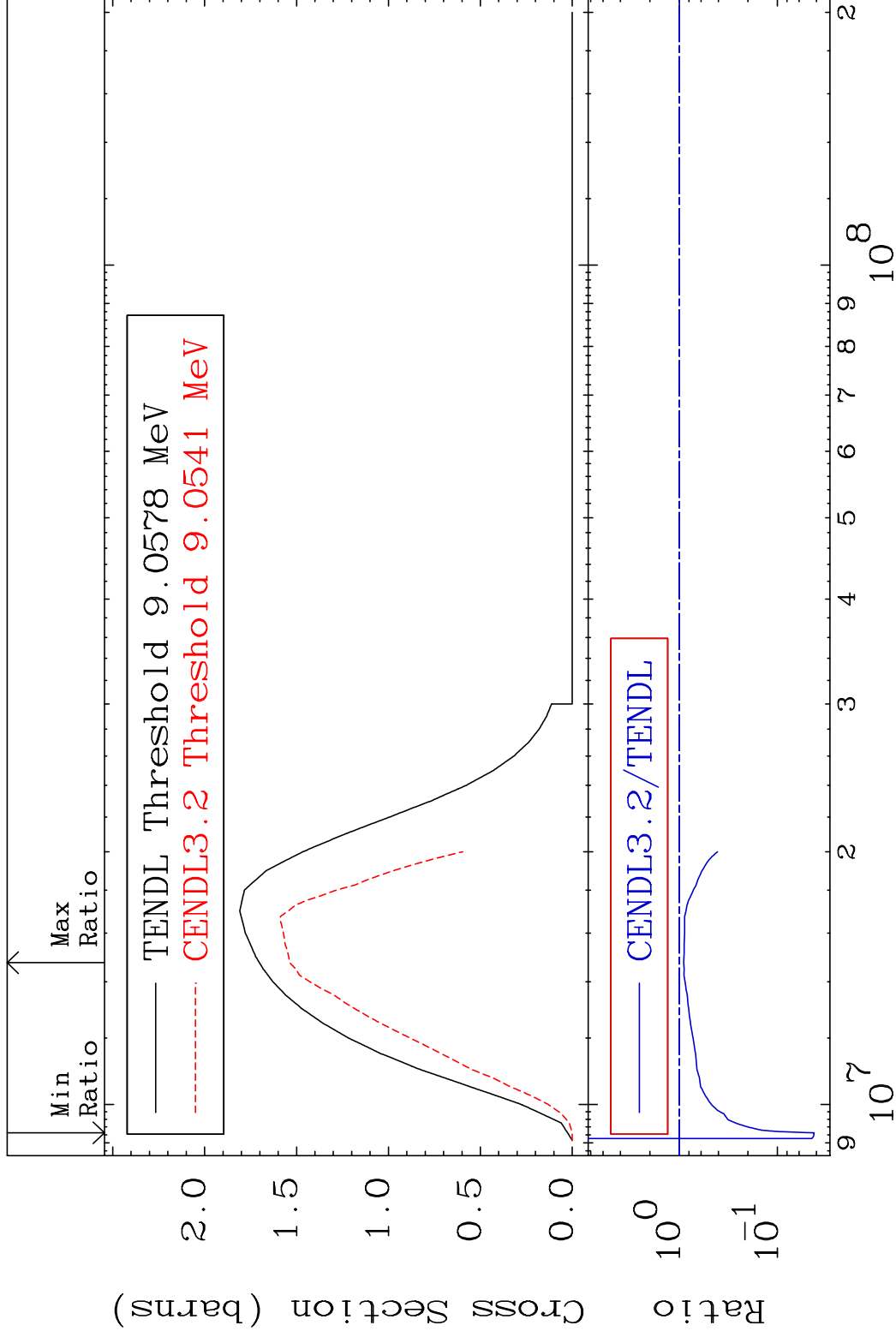
55-Cs-133

MAT 5525

(n,2n)

55-Cs-133

Cross Section -95.77 To -9.643%



4

Incident Energy (eV)

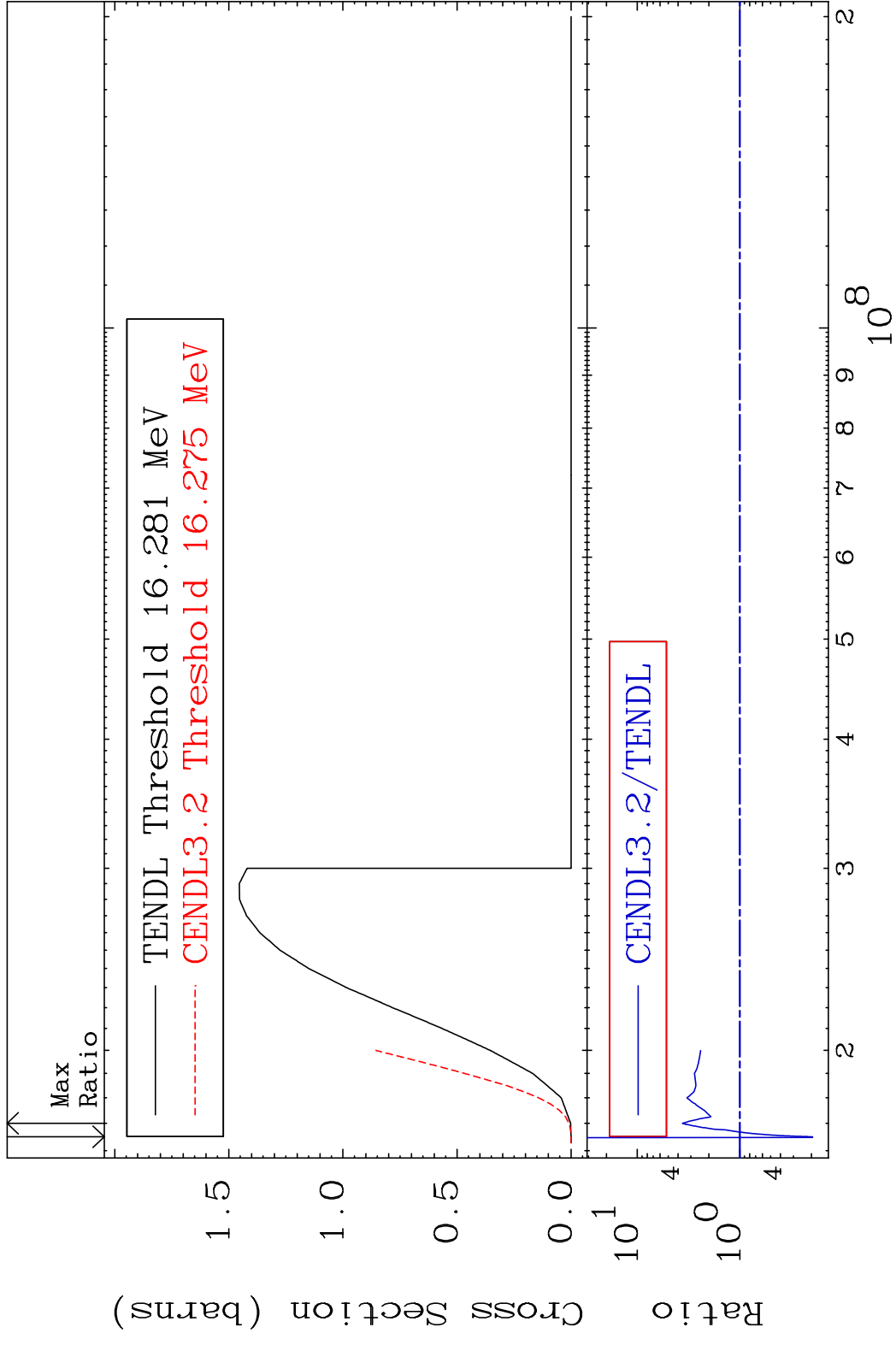
55-Cs-133

MAT 5525

(n,3n)

55-Cs-133

Cross Section -80.51 To 263.5 %



5

Incident Energy (eV)

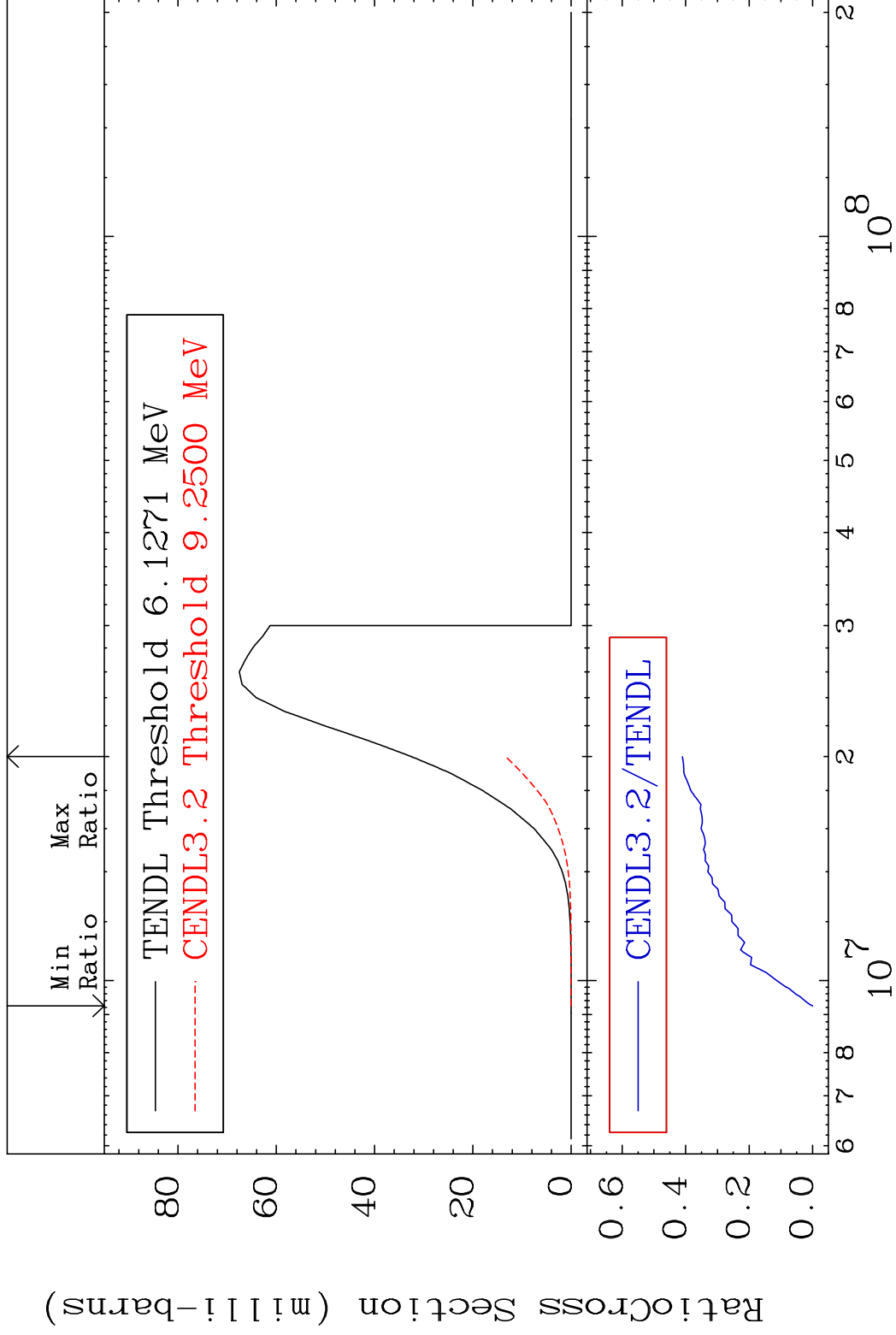
55-Cs-133

MAT 5525

(n, n') p

55-Cs-133

Cross Section -100.0 To -58.95%

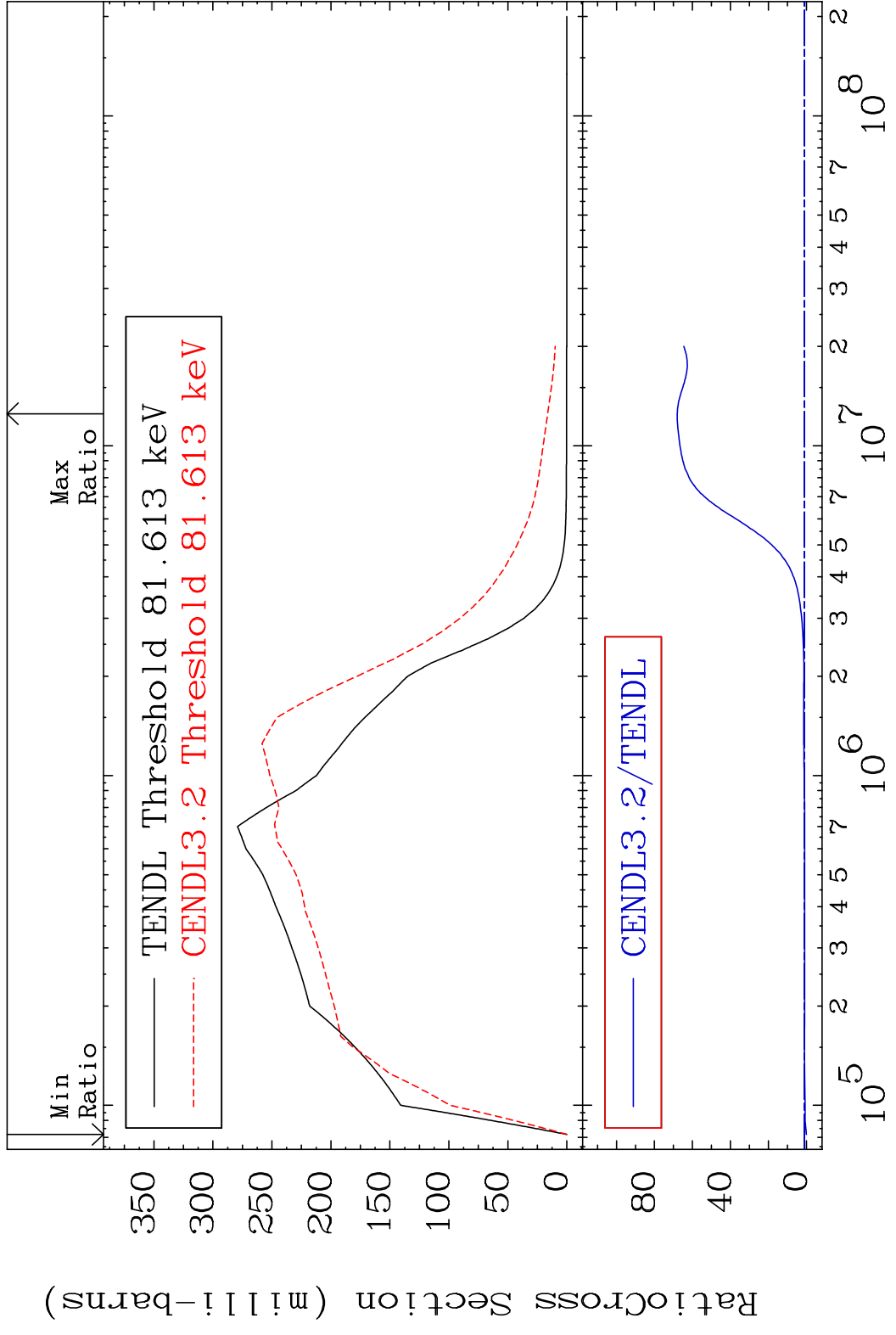


7

Incident Energy (eV)

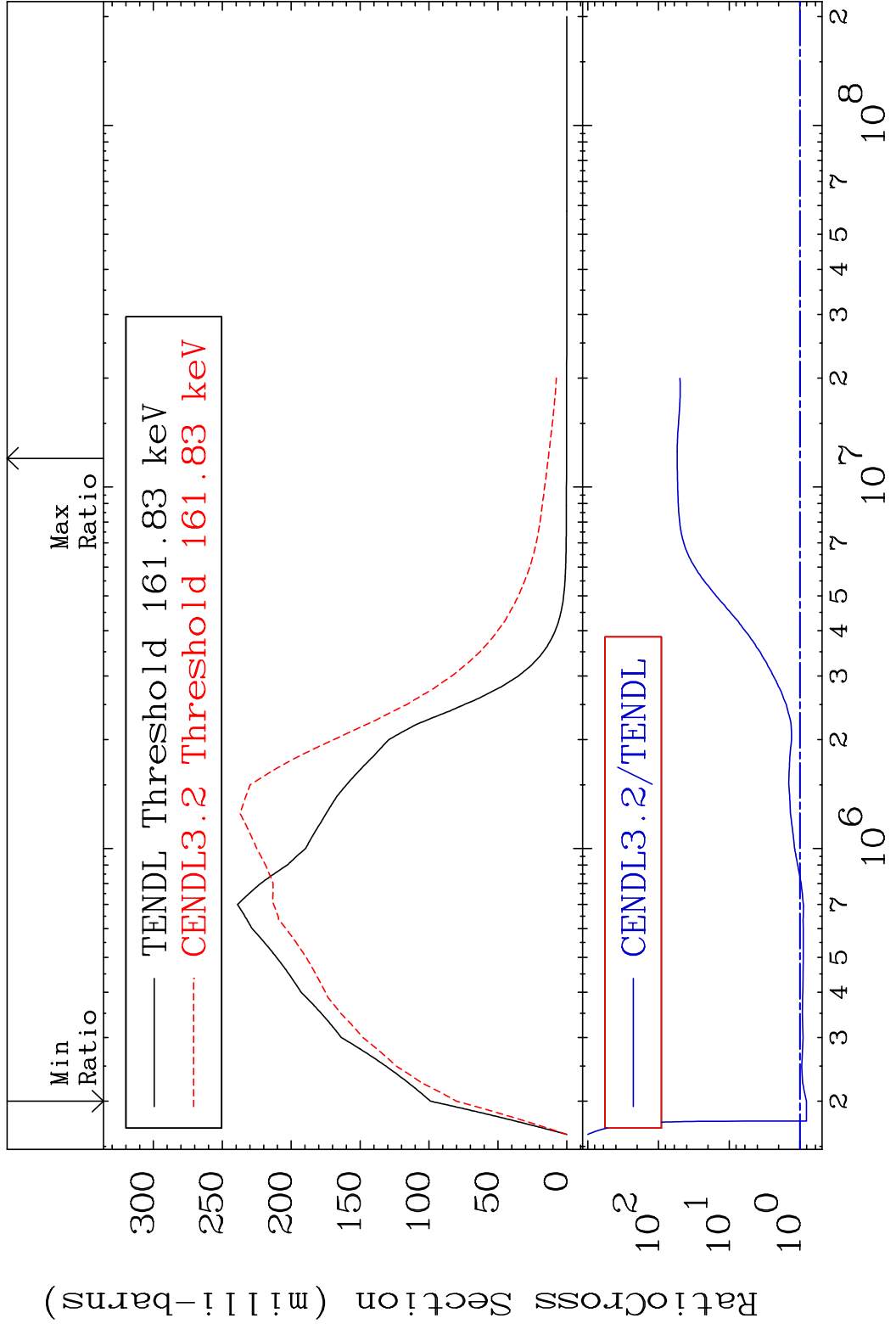
55-Cs-133

MAT 5525 MT= 51 (n, n') Level 55-Cs-133
 Cross Section -100.0 To 6703. %

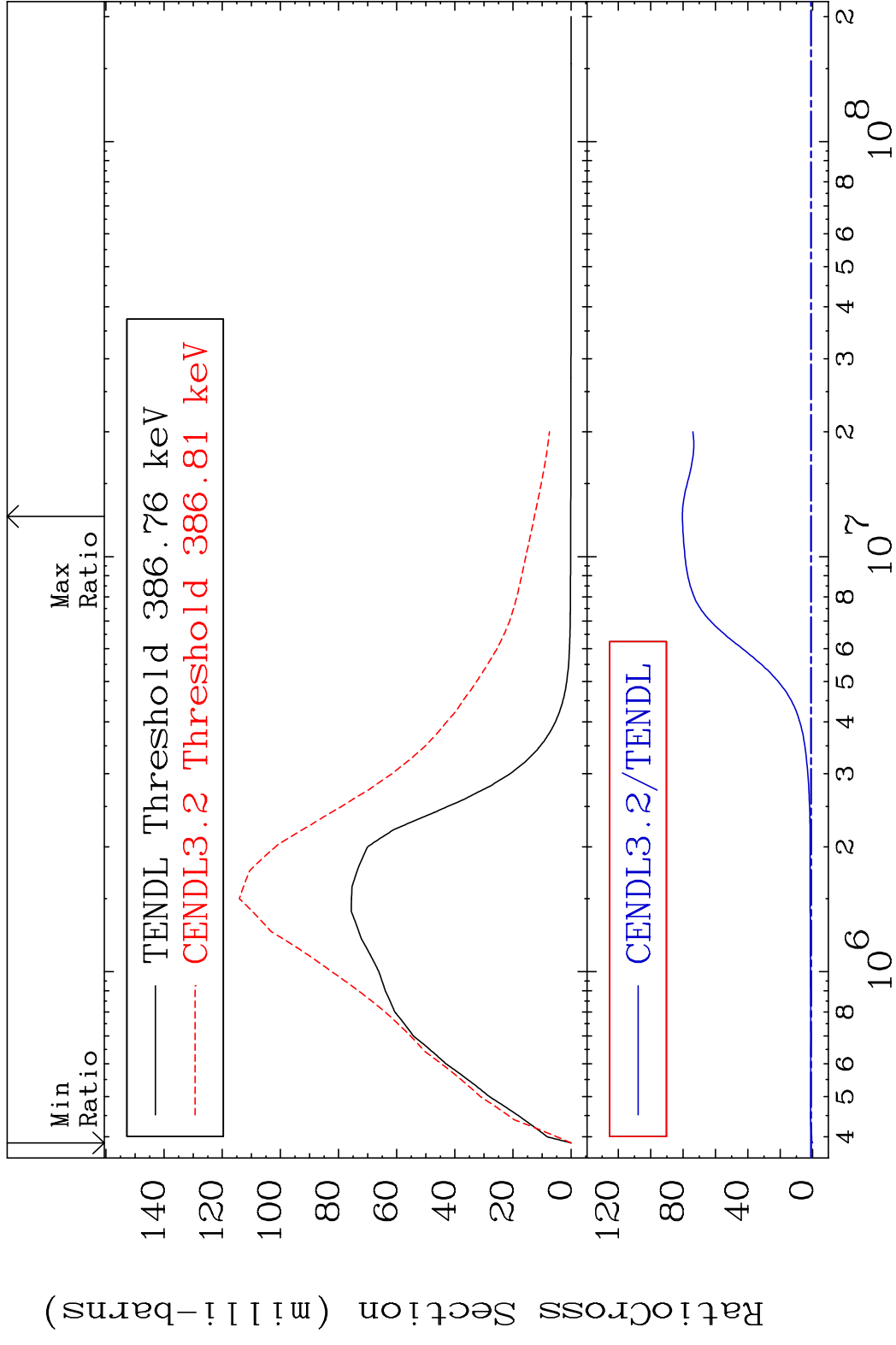


8 8 Incident Energy (eV) 55-Cs-133

MAT 5525 MT= 52 (n, n') Level 55-Cs-133
 Cross Section -19.13 To 5344. %

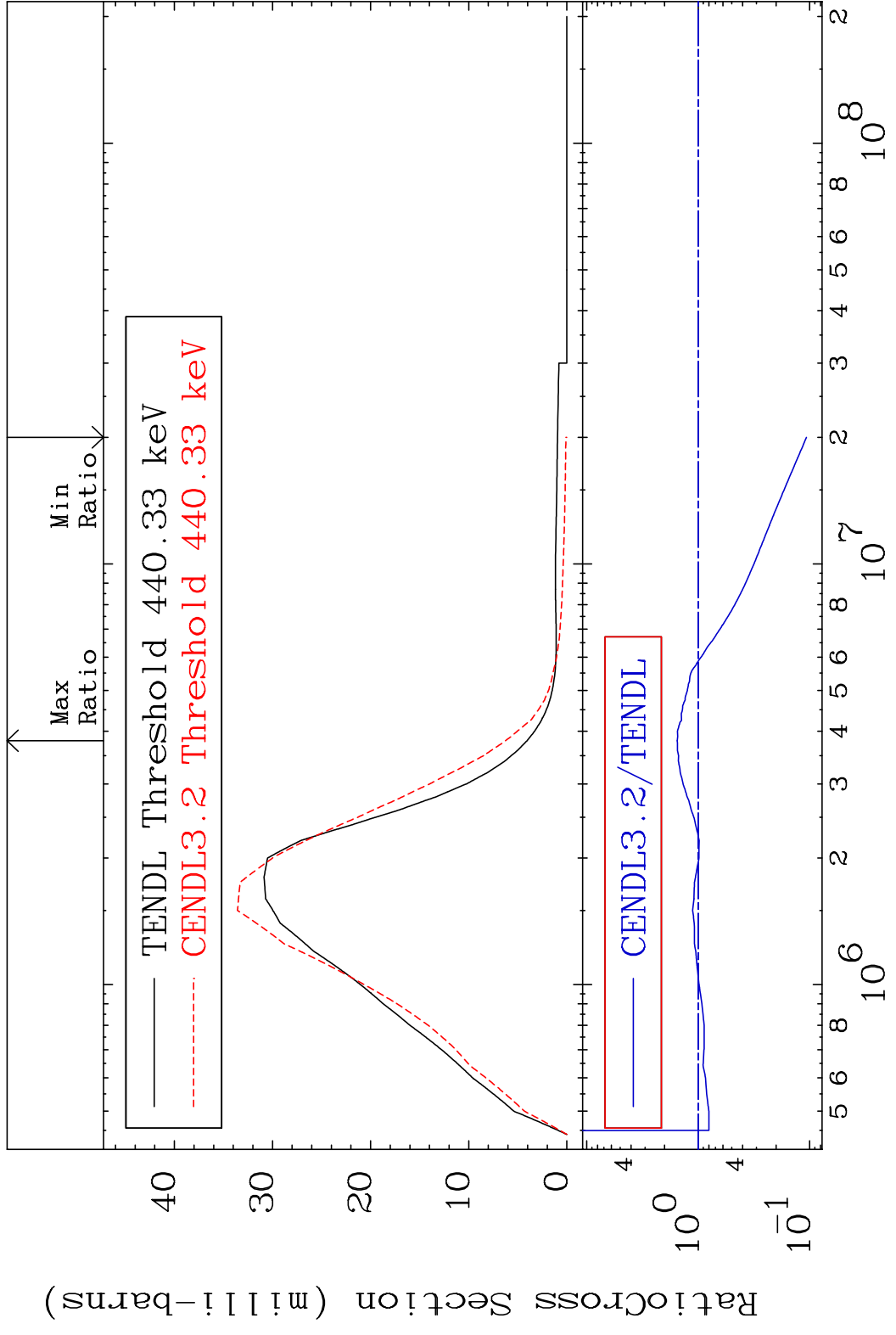


MAT 5525 MT= 53 (n, n') Level 55-Cs-133
 Cross Section -100.0 To 7945. %

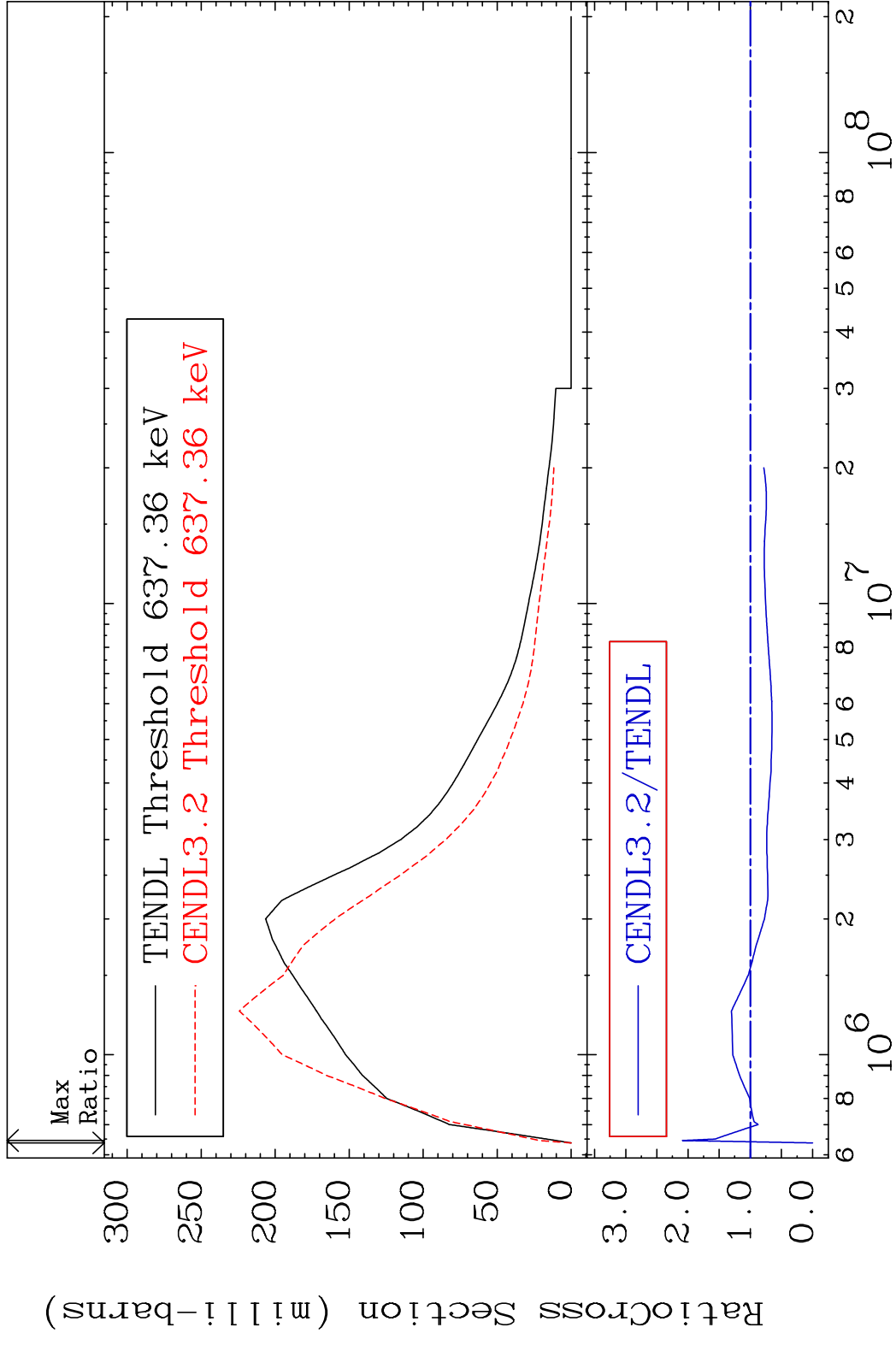


10 Incident Energy (eV) 55-Cs-133

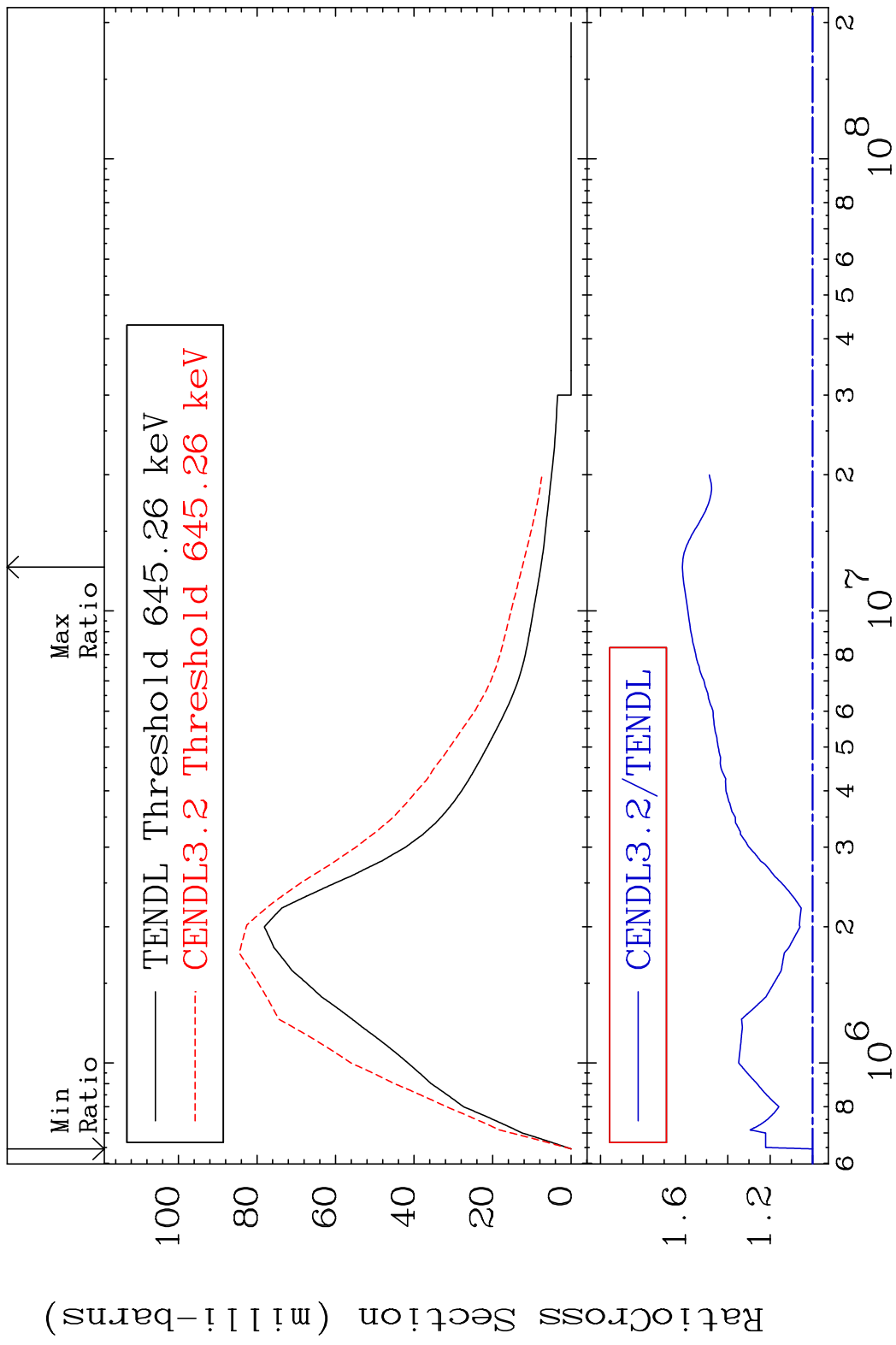
MAT 5525 MT= 54 (n, n') Level 55-Cs-133
 Cross Section -89.30 To 54.31 %



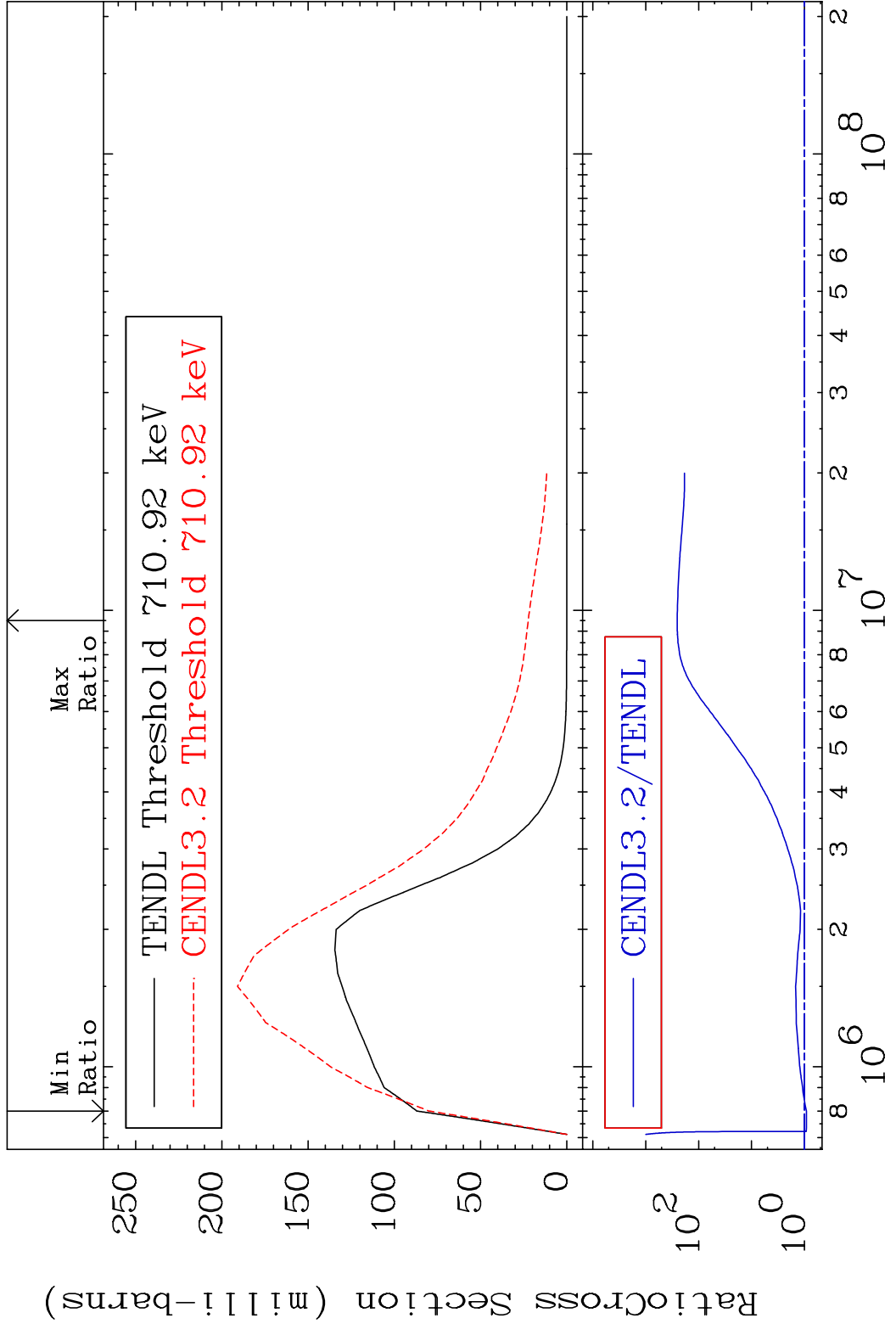
MAT 5525 MT= 55 (n,n') Level 55-Cs-133
 Cross Section -100.0 To 109.1 %



MAT 5525 MT= 56 (n, n') Level 55-Cs-133
 Cross Section 0.000 To 61.42 %



MAT 5525 MT= 57 (n,n') Level 55-Cs-133
 Cross Section -8.036 To 9999. %

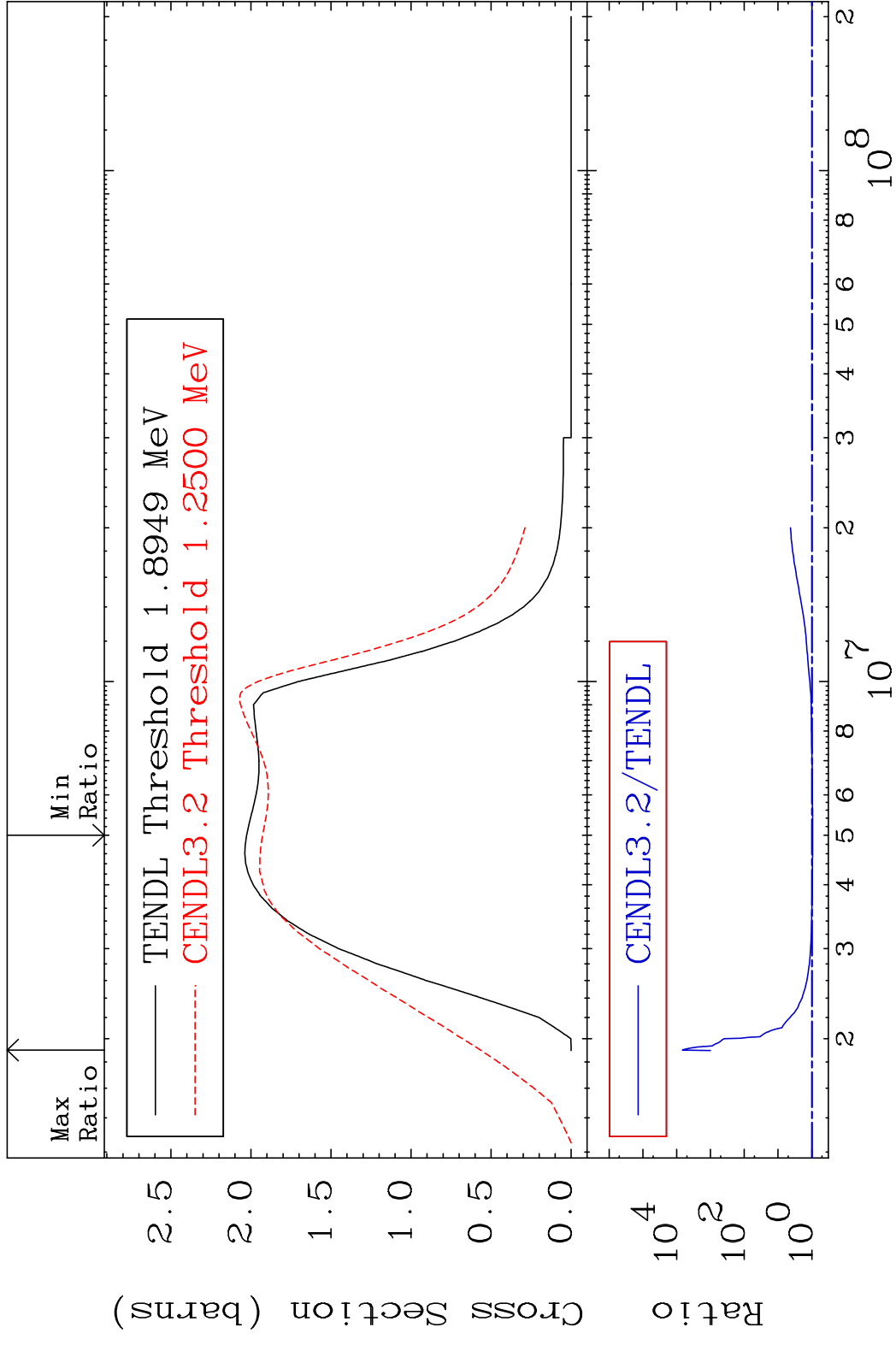


MAT 5525

(n, n') Continuum

55-Cs-133

Cross Section -4.932 To 9999. %

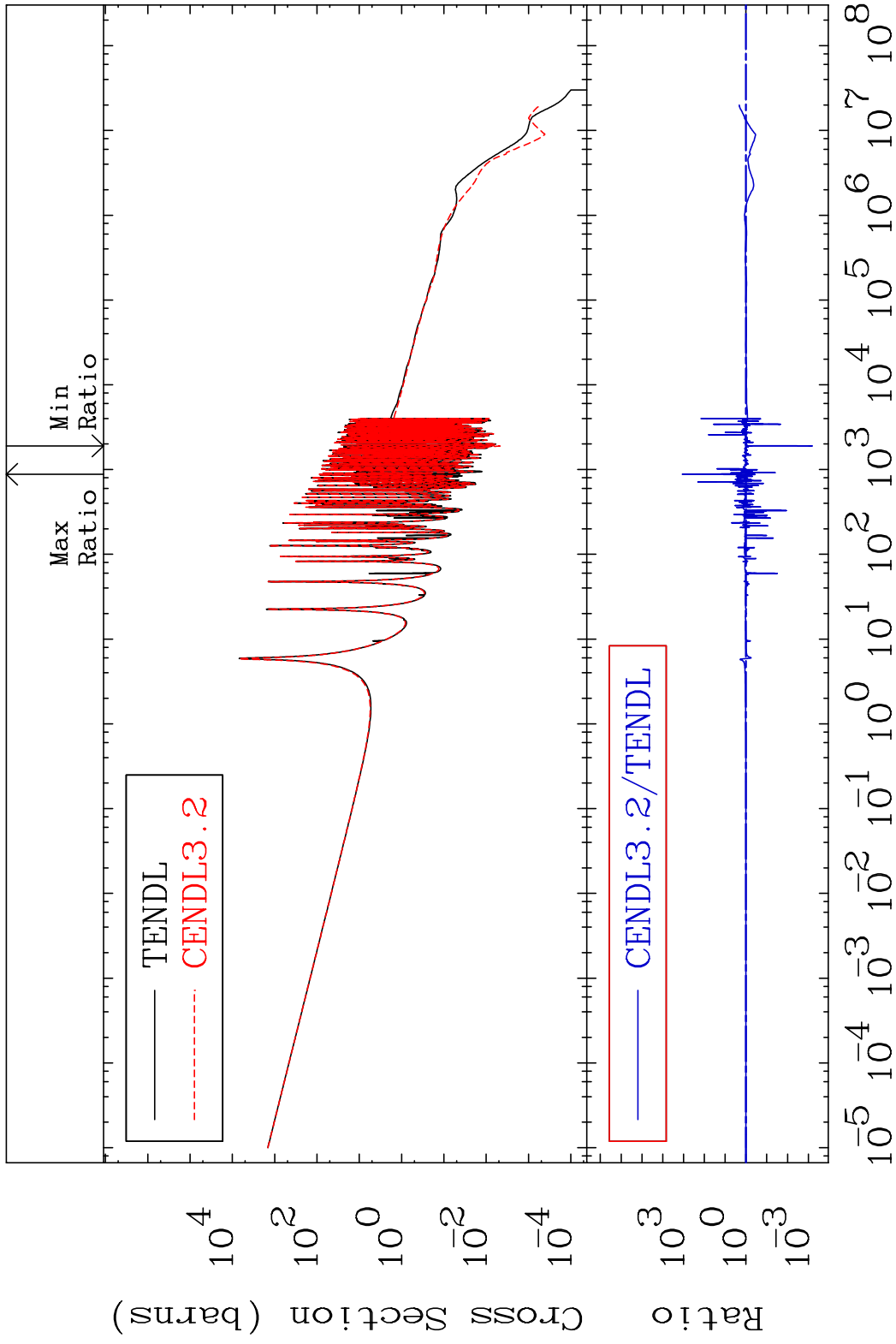


MAT 5525

(n, γ)

55-Cs-133

Cross Section -99.94 To 9999. %



16

Incident Energy (eV)

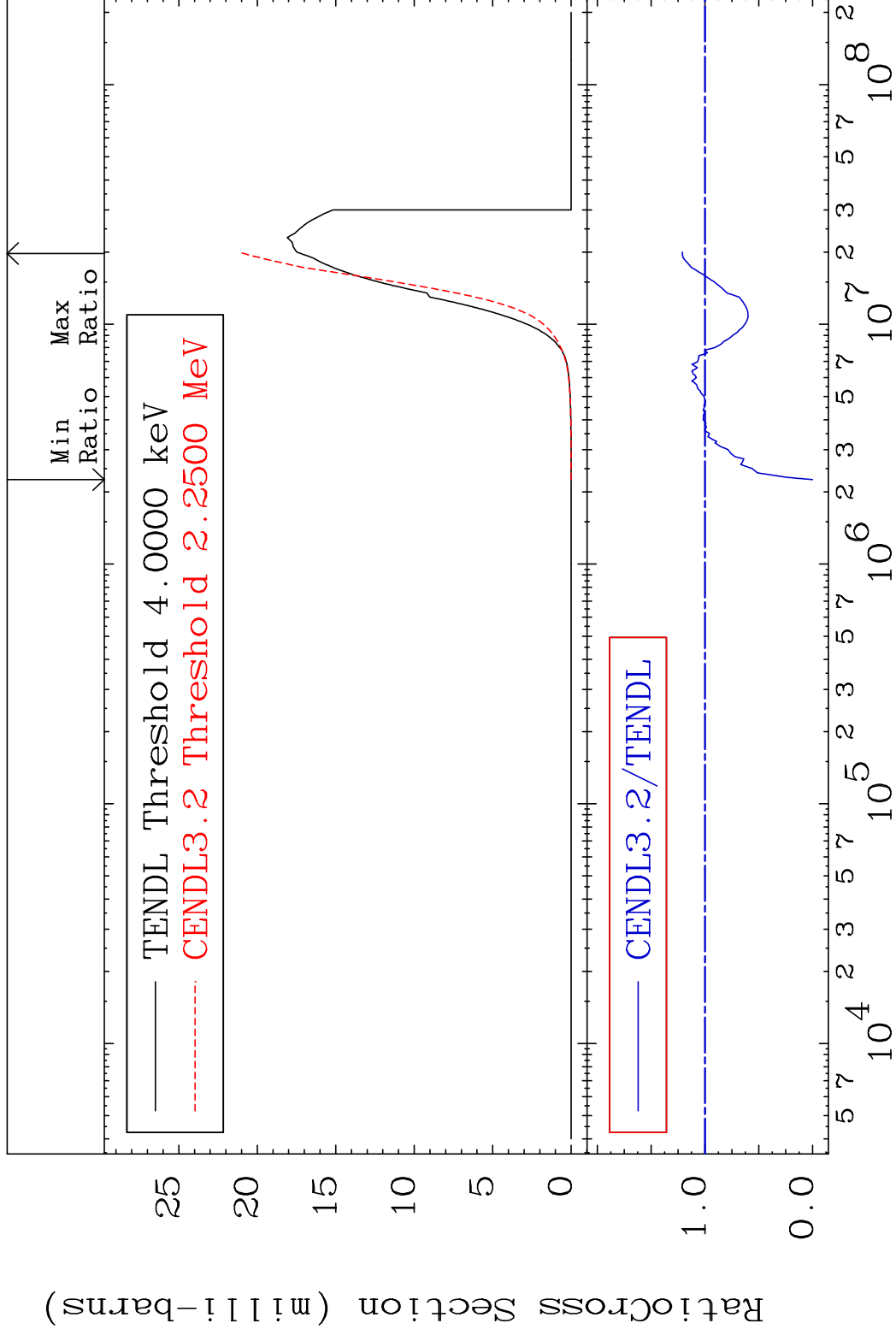
55-Cs-133

MAT 5525

(n, p)

55-Cs-133

Cross Section -100.0 To 21.01 %



17

Incident Energy (eV)

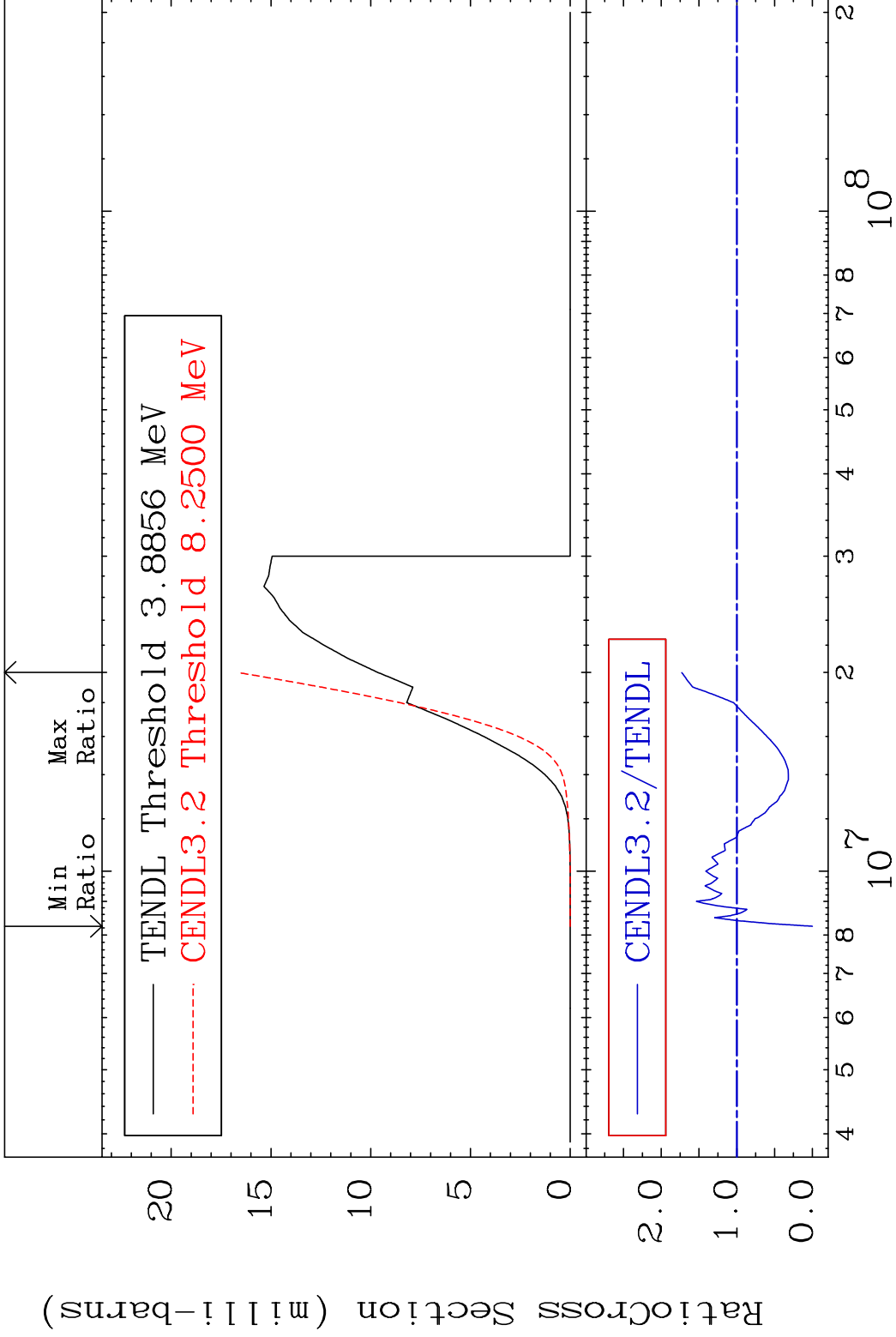
55-Cs-133

MAT 5525

(n,d)

55-Cs-133

Cross Section -100.0 To 72.90 %

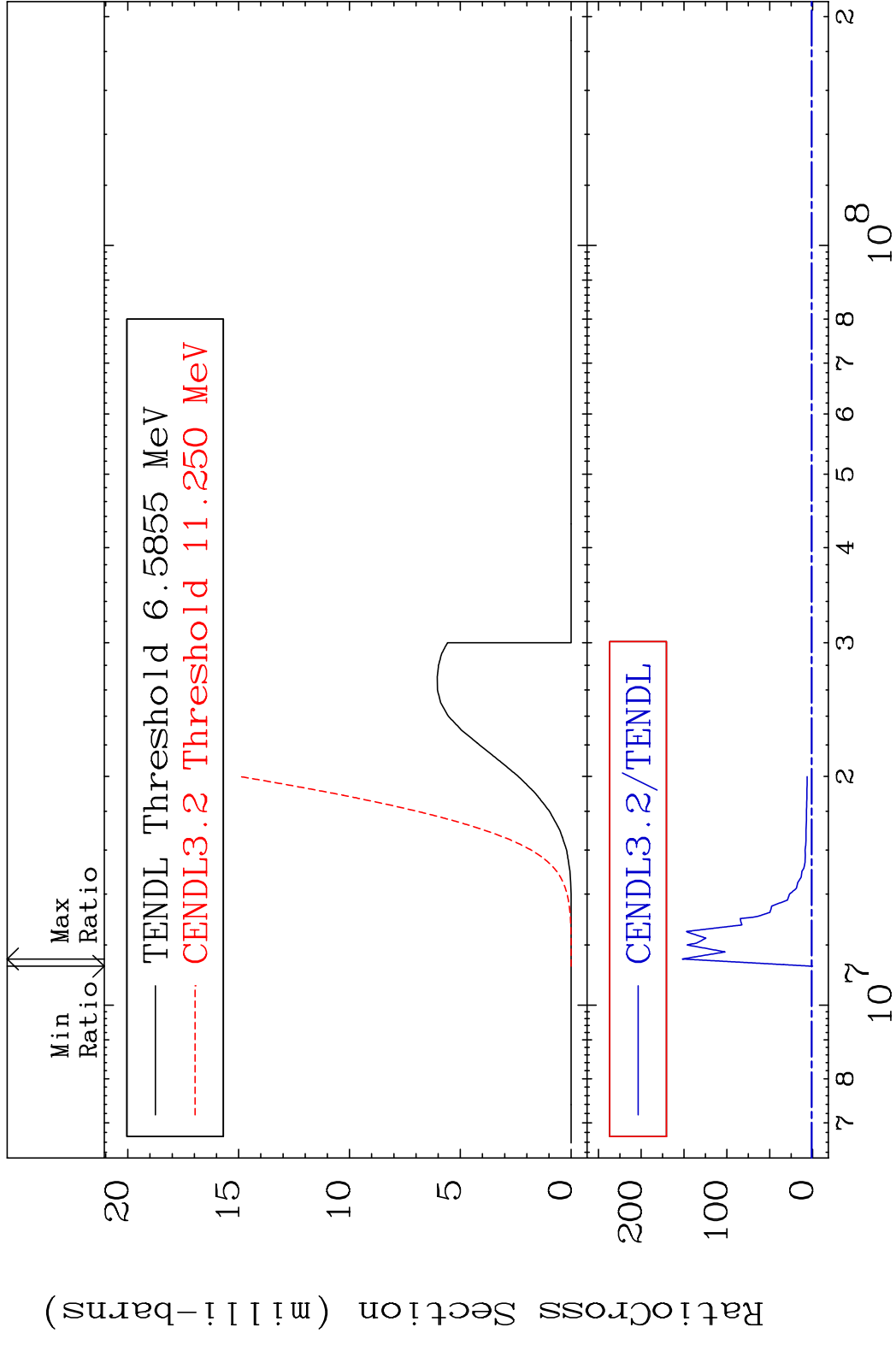


18

Incident Energy (eV)

55-Cs-133

MAT 5525 (n, t) 55-Cs-133
 Cross Section -100.0 To 9999. %



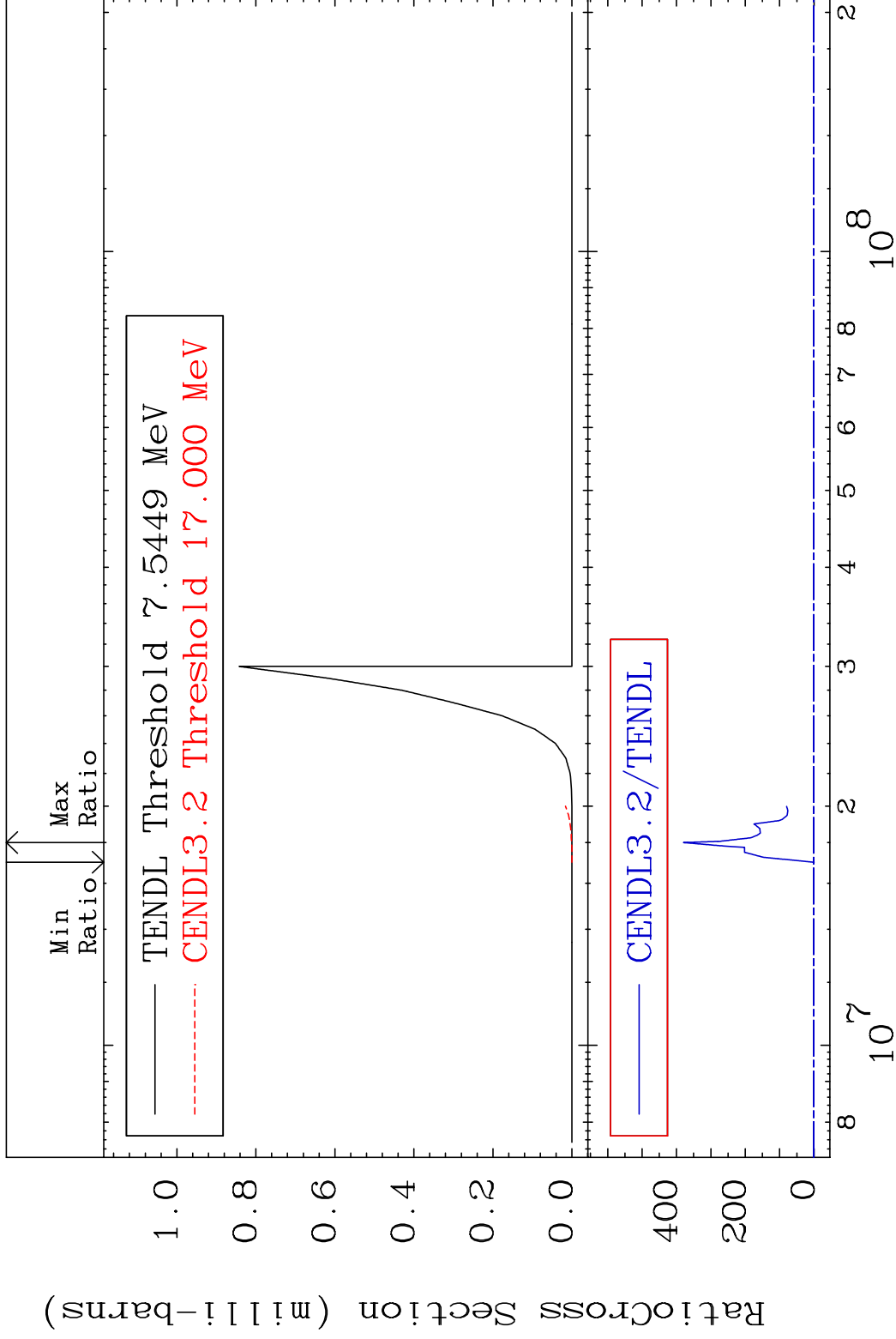
19 Incident Energy (eV) 55-Cs-133

MAT 5525

(n, He-3)

55-Cs-133

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

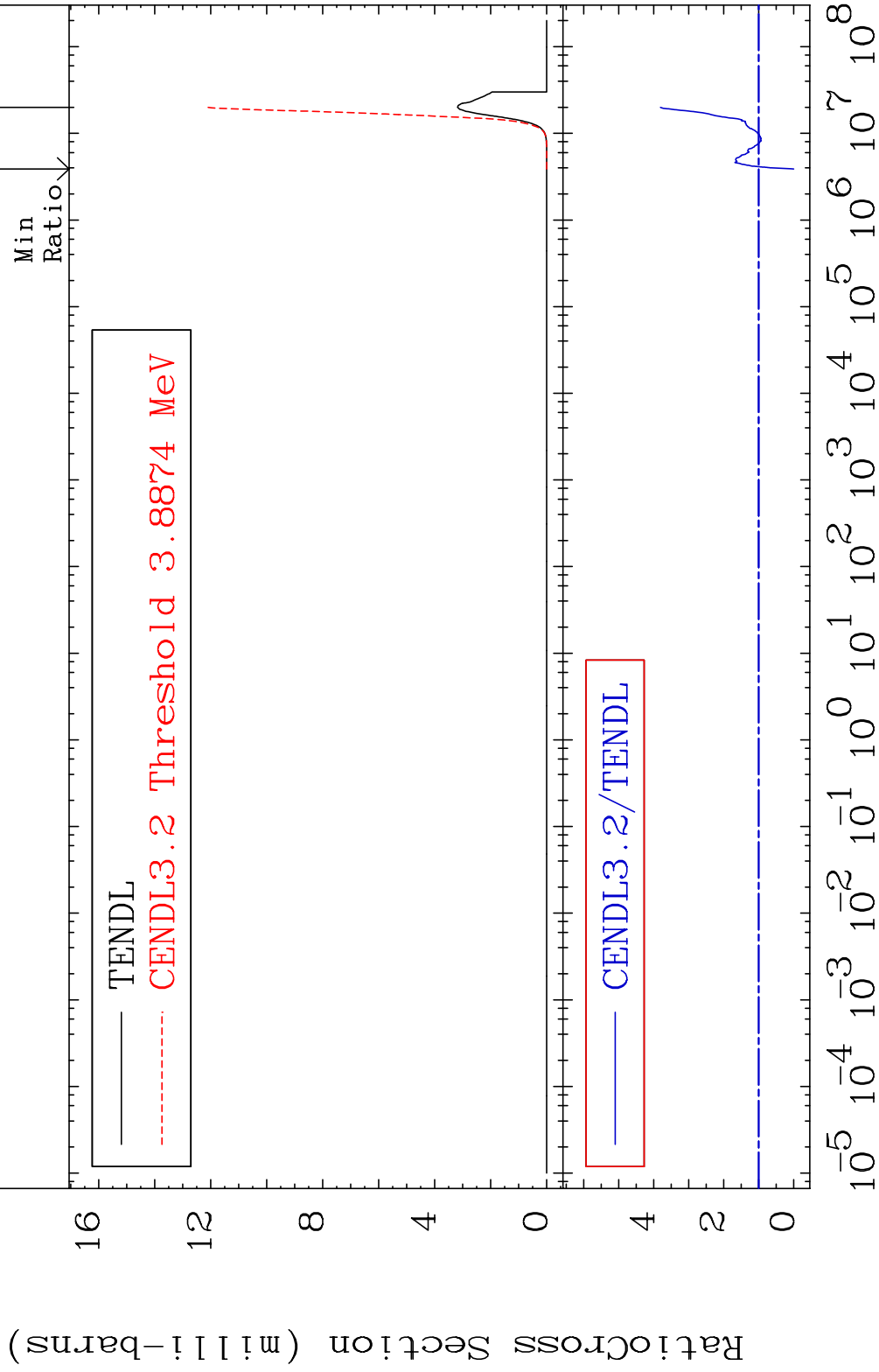
55-Cs-133

MAT 5525

(n, α)

55-Cs-133

Cross Section -100.0 To 280.7 %

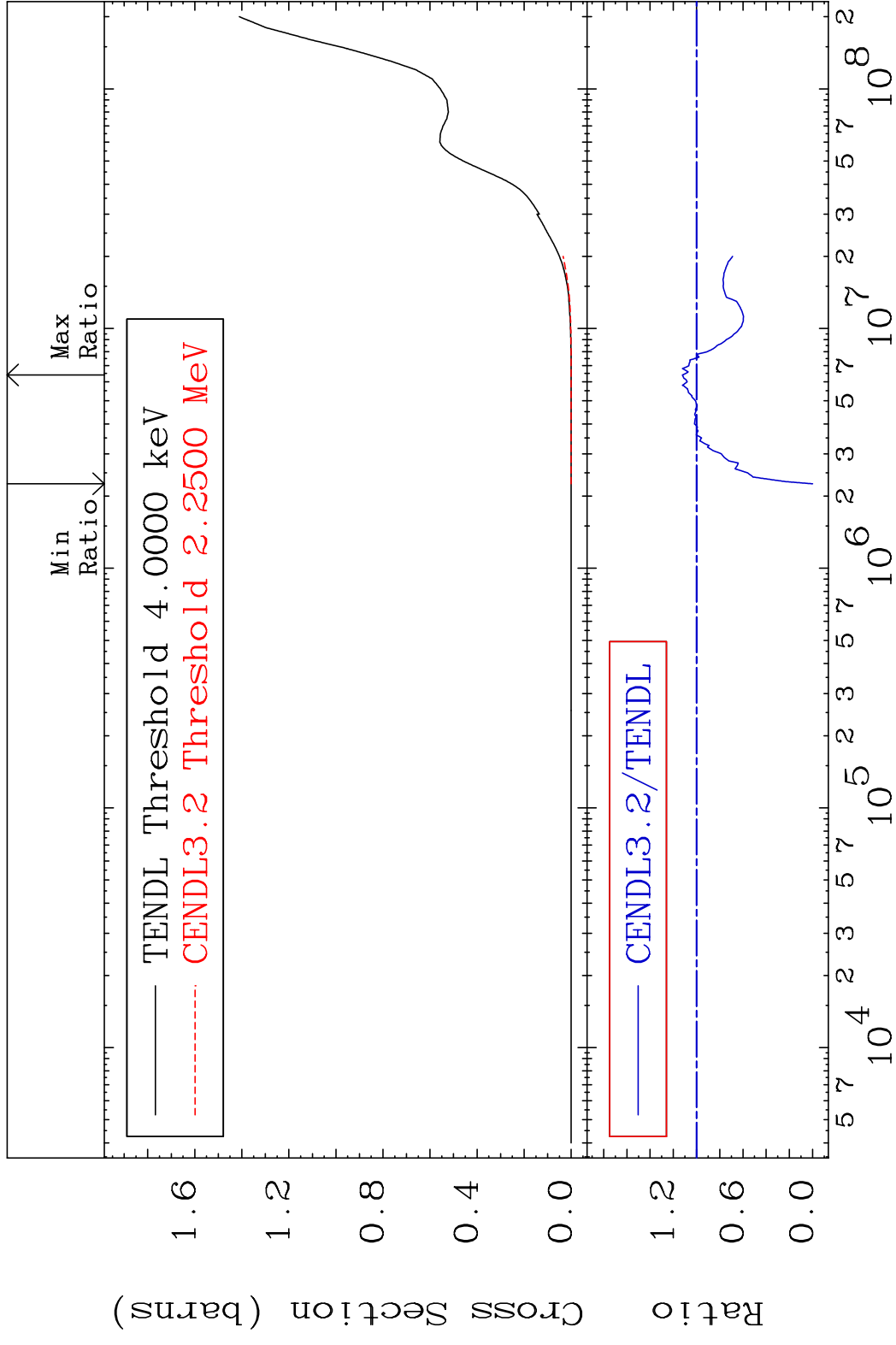


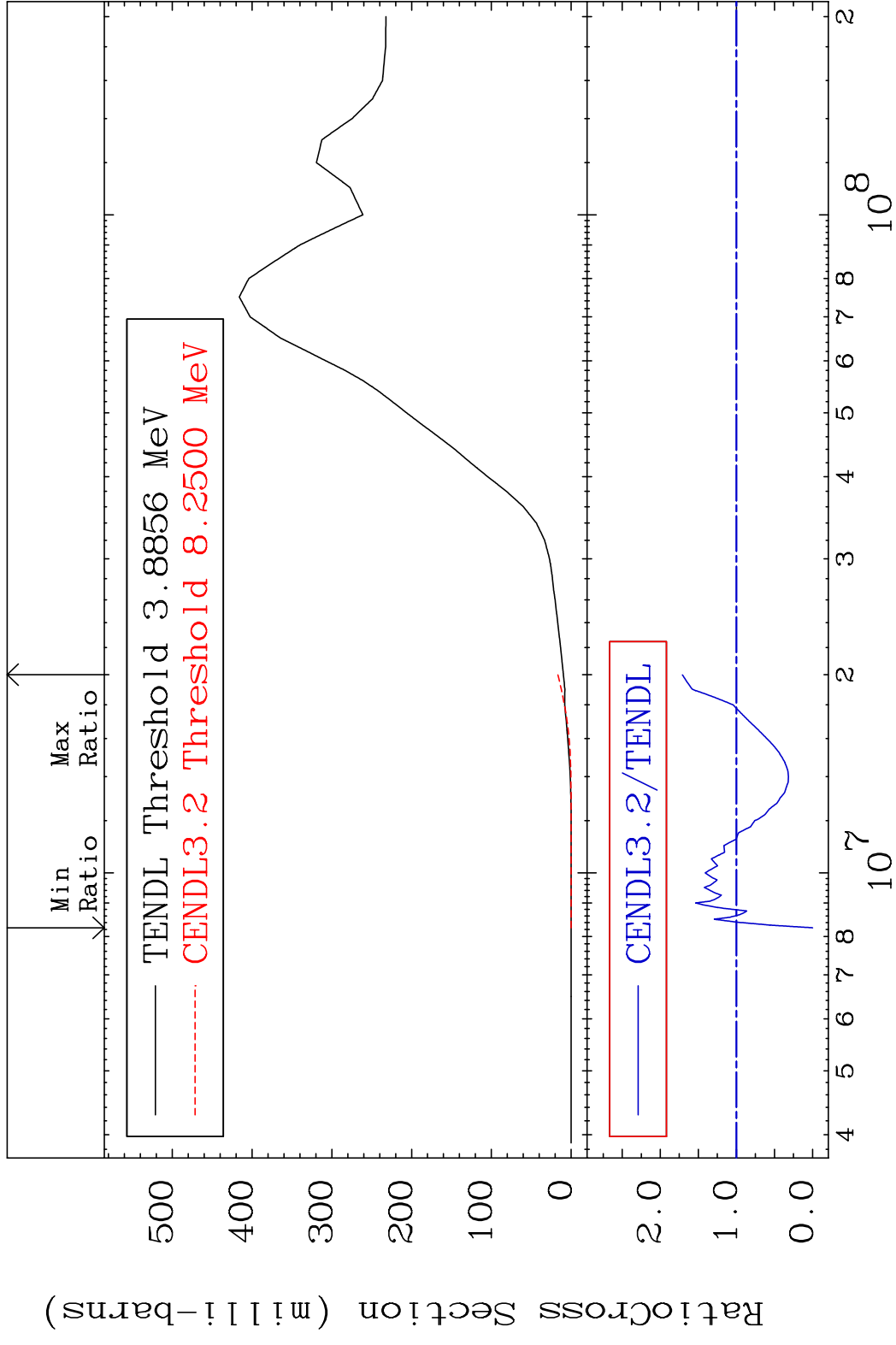
21

Incident Energy (eV)

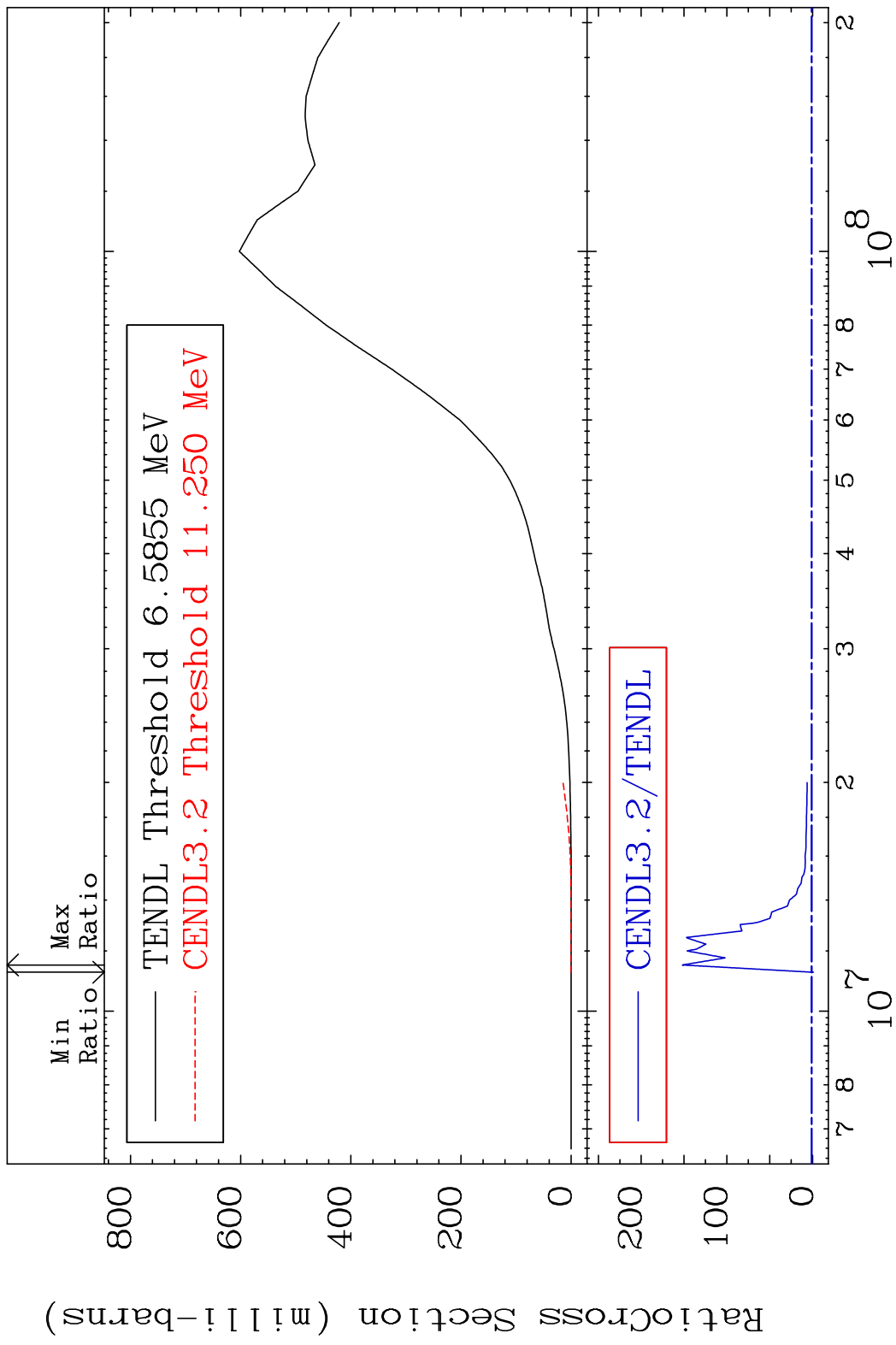
55-Cs-133

Cross Section -100.0 To 12.22 %





MAT 5525 Tritium Production 55-Cs-133
 Cross Section -100.0 To 9999. %



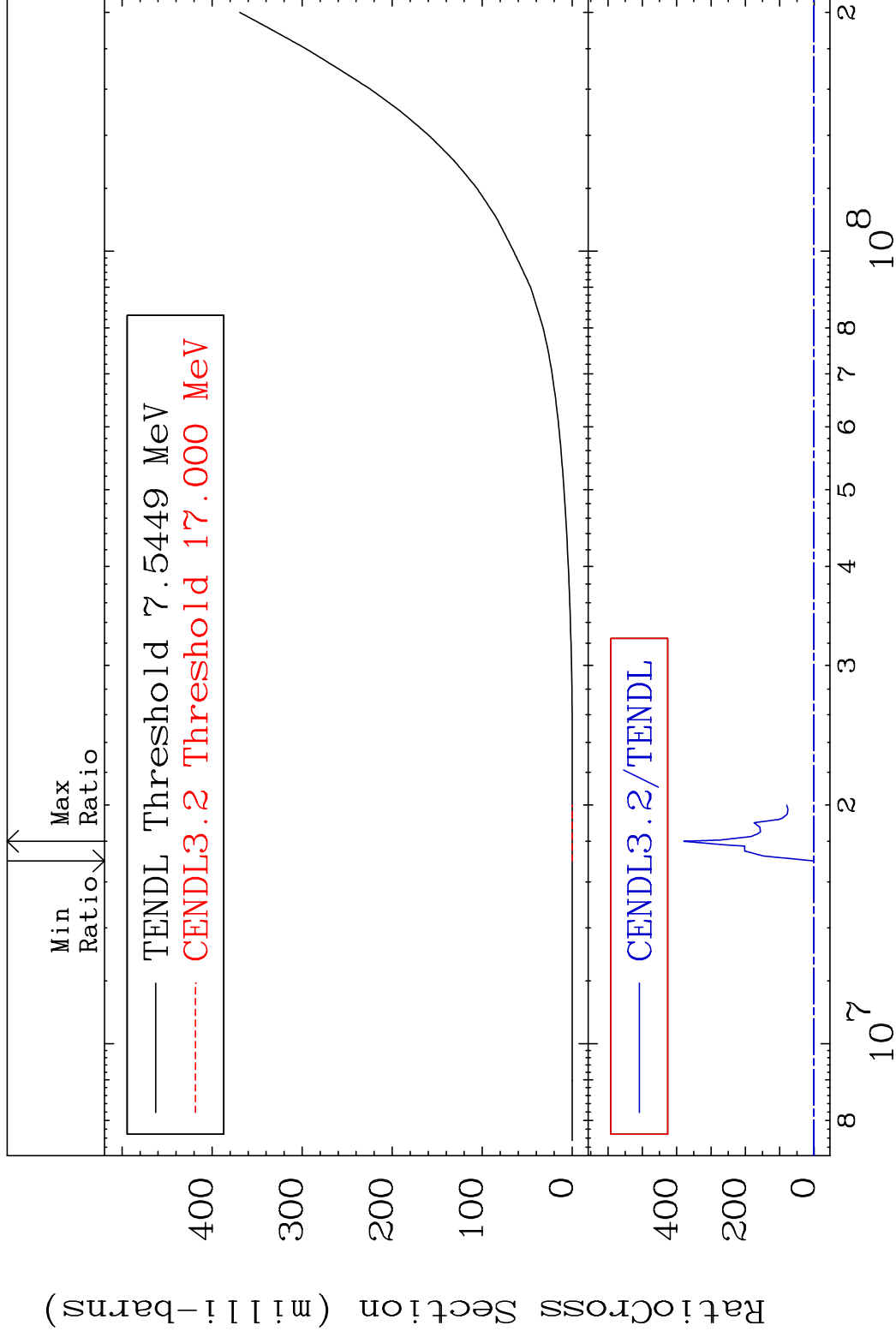
24 Incident Energy (eV) 55-Cs-133

MAT 5525

He-3 Production

55-Cs-133

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

55-Cs-133

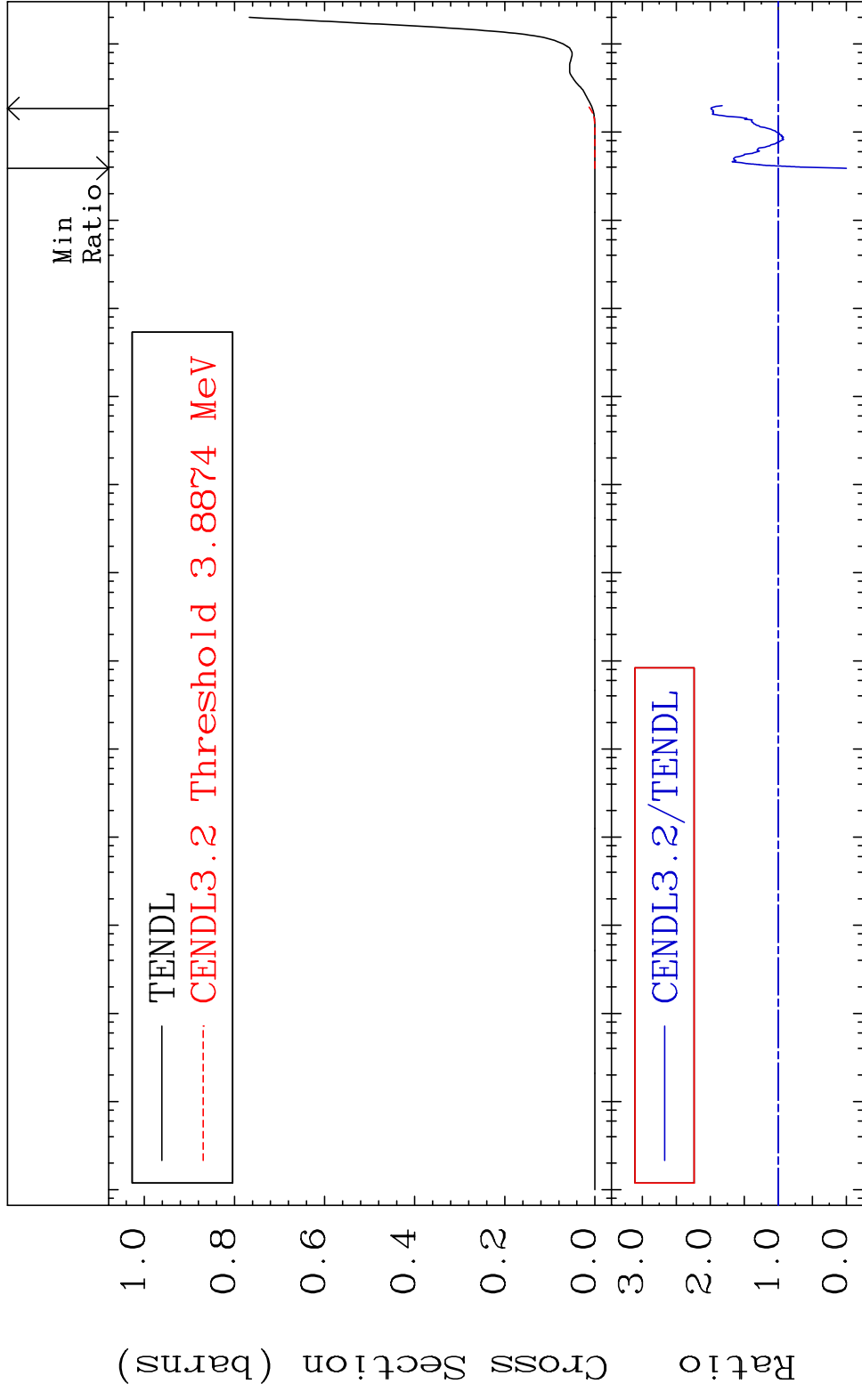
MAT 5525

He-4 Production

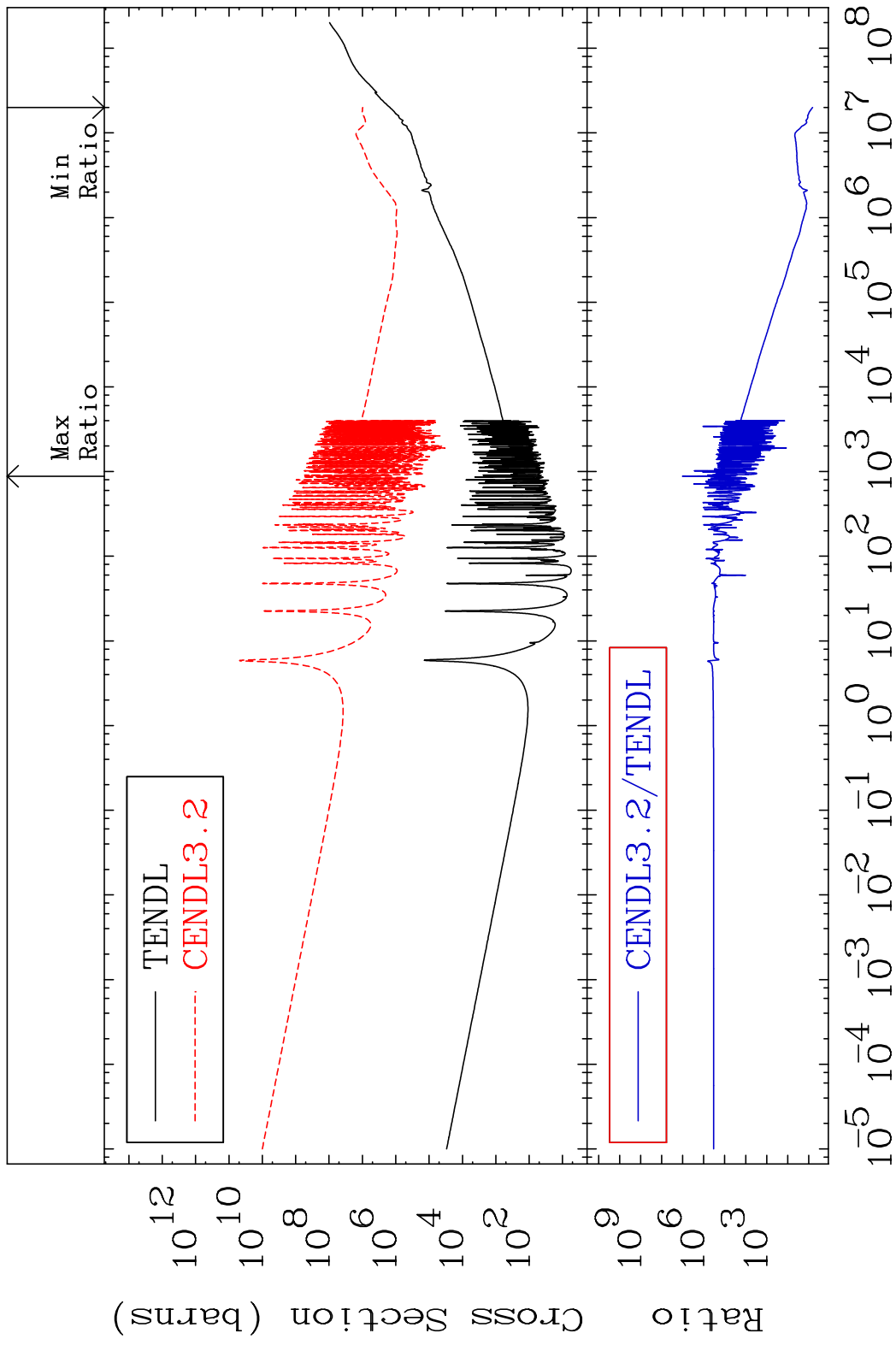
55-Cs-133

Cross Section

-100.0 To 99.33 %



MAT 5525 Kerma total (eV-barns) 55-Cs-133
 Cross Section 554.4 To 9999. %

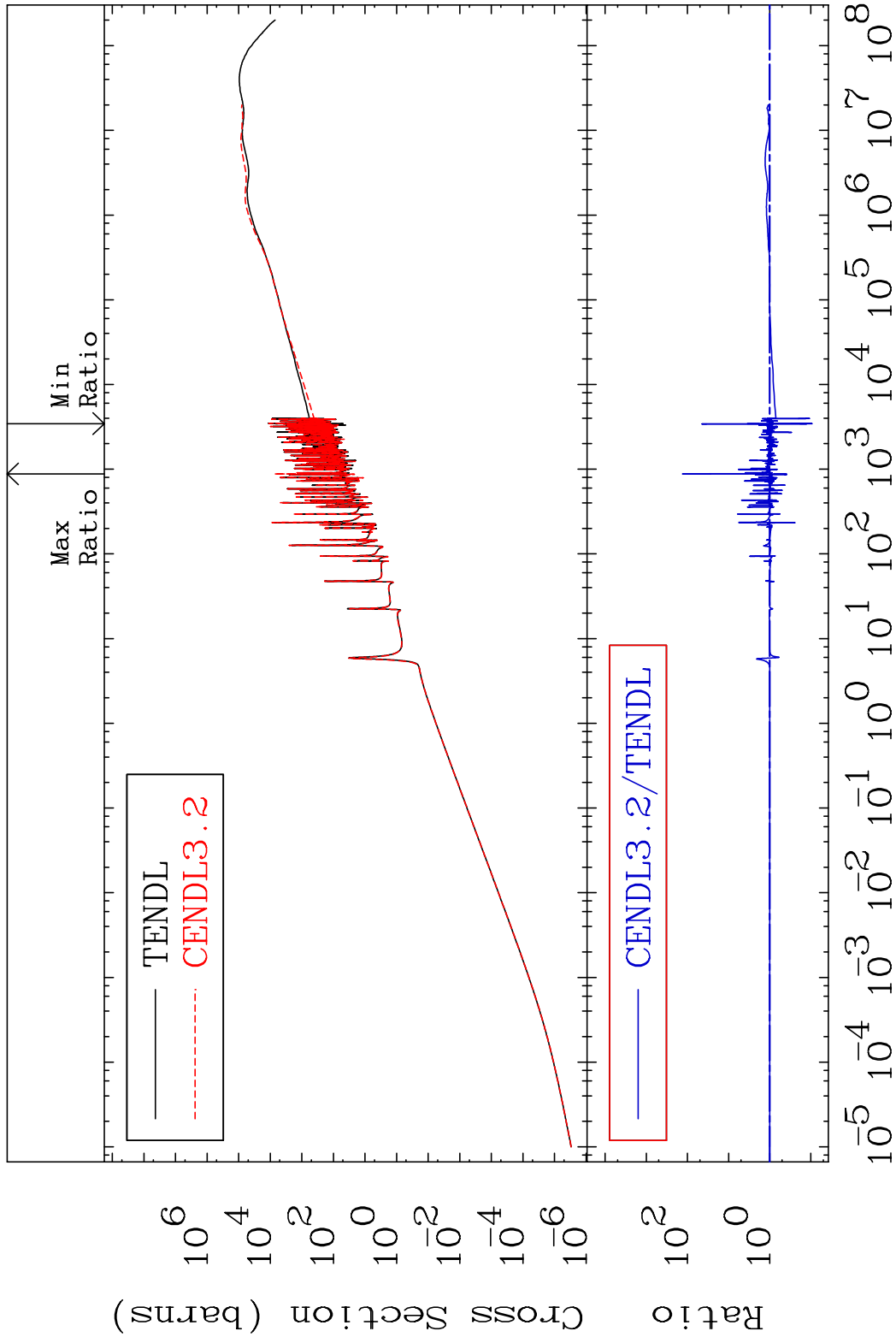


MAT 5525

Kerma elastic
Cross Section

55-Cs-133

-90.89 To 9999. %

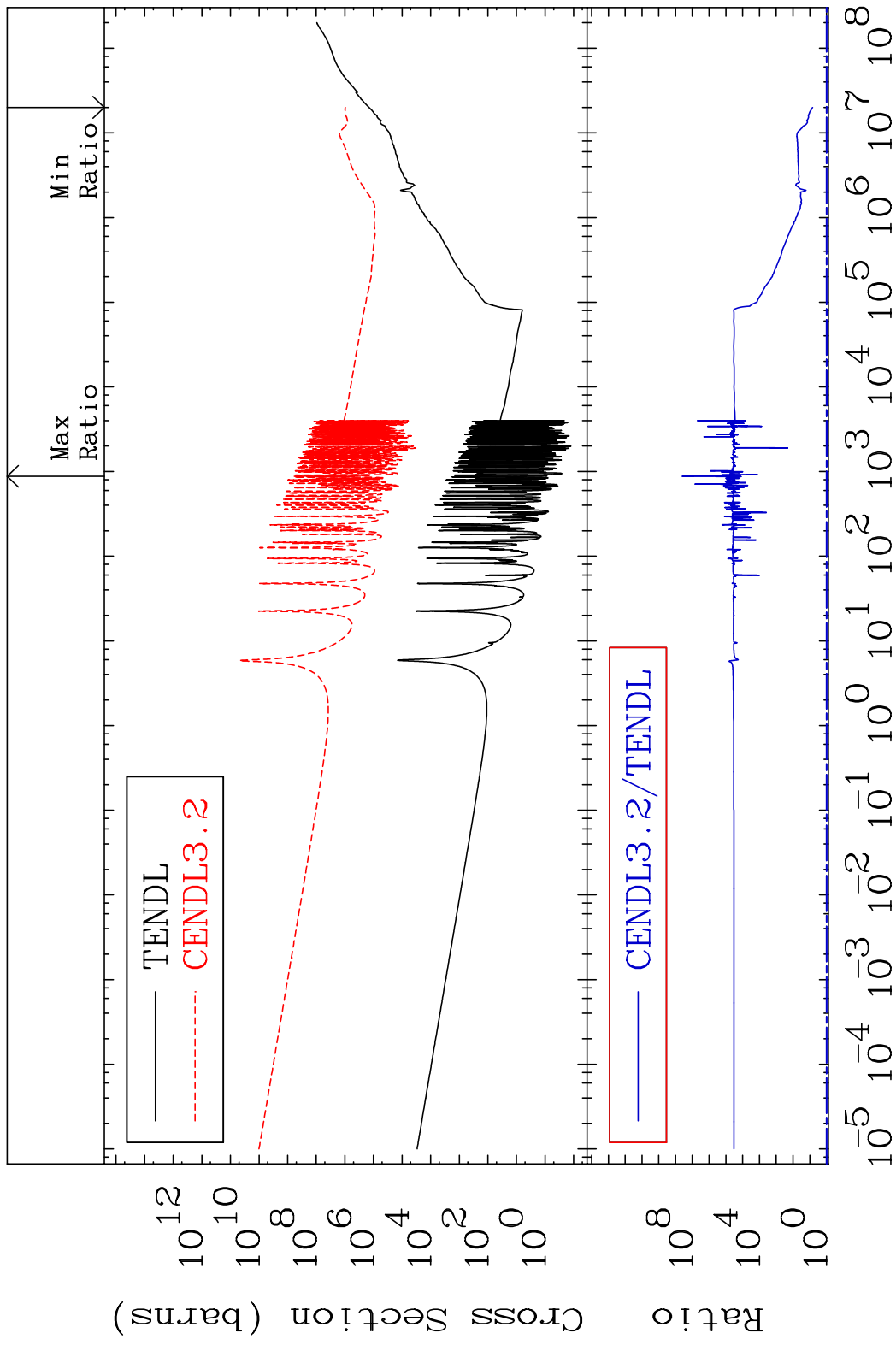


28

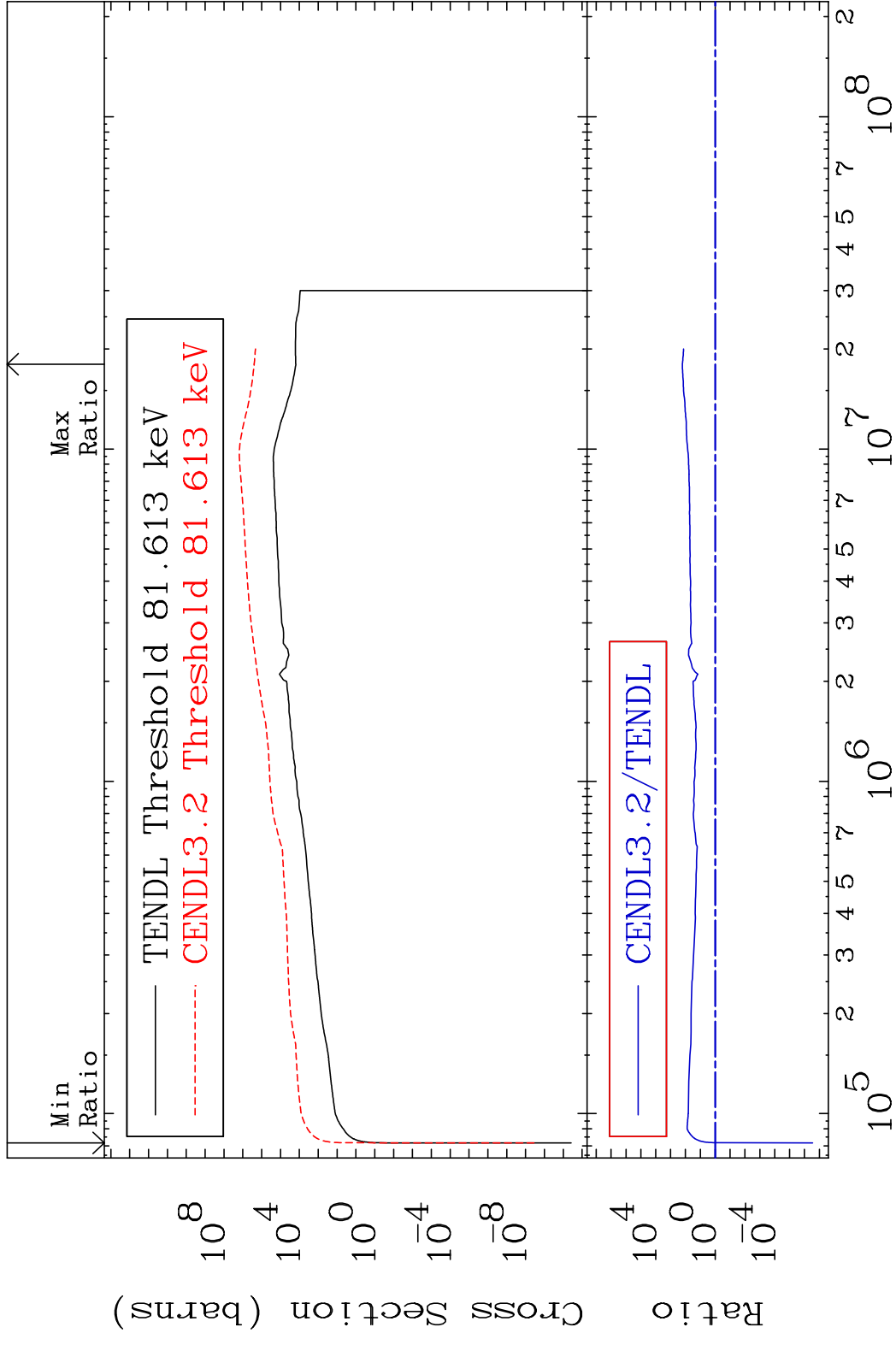
Incident Energy (eV)

55-Cs-133

MAT 5525 Kerma non-elastic (all but mt2) 55-Cs-133
 Cross Section 582.2 To 9999. %

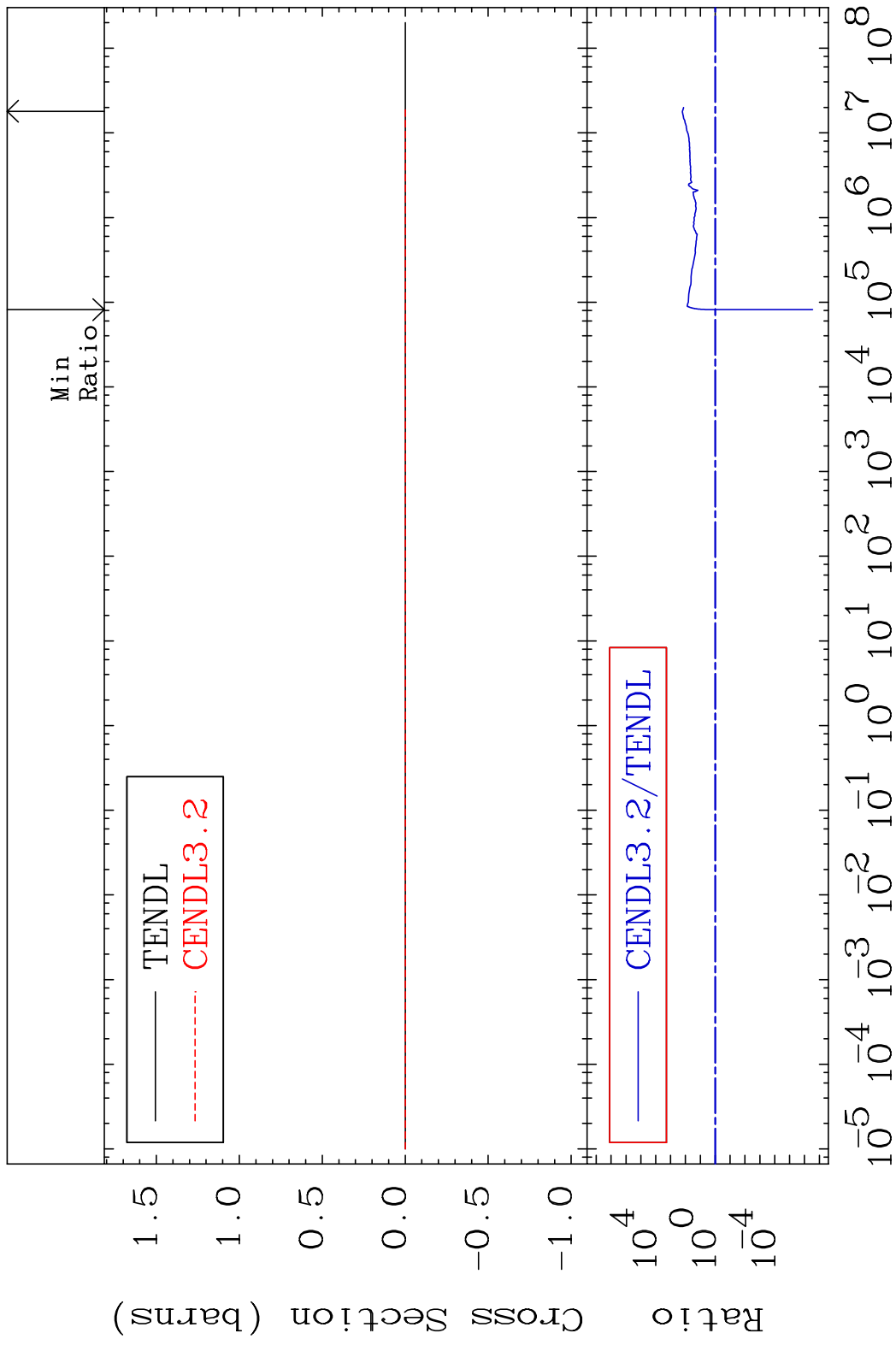


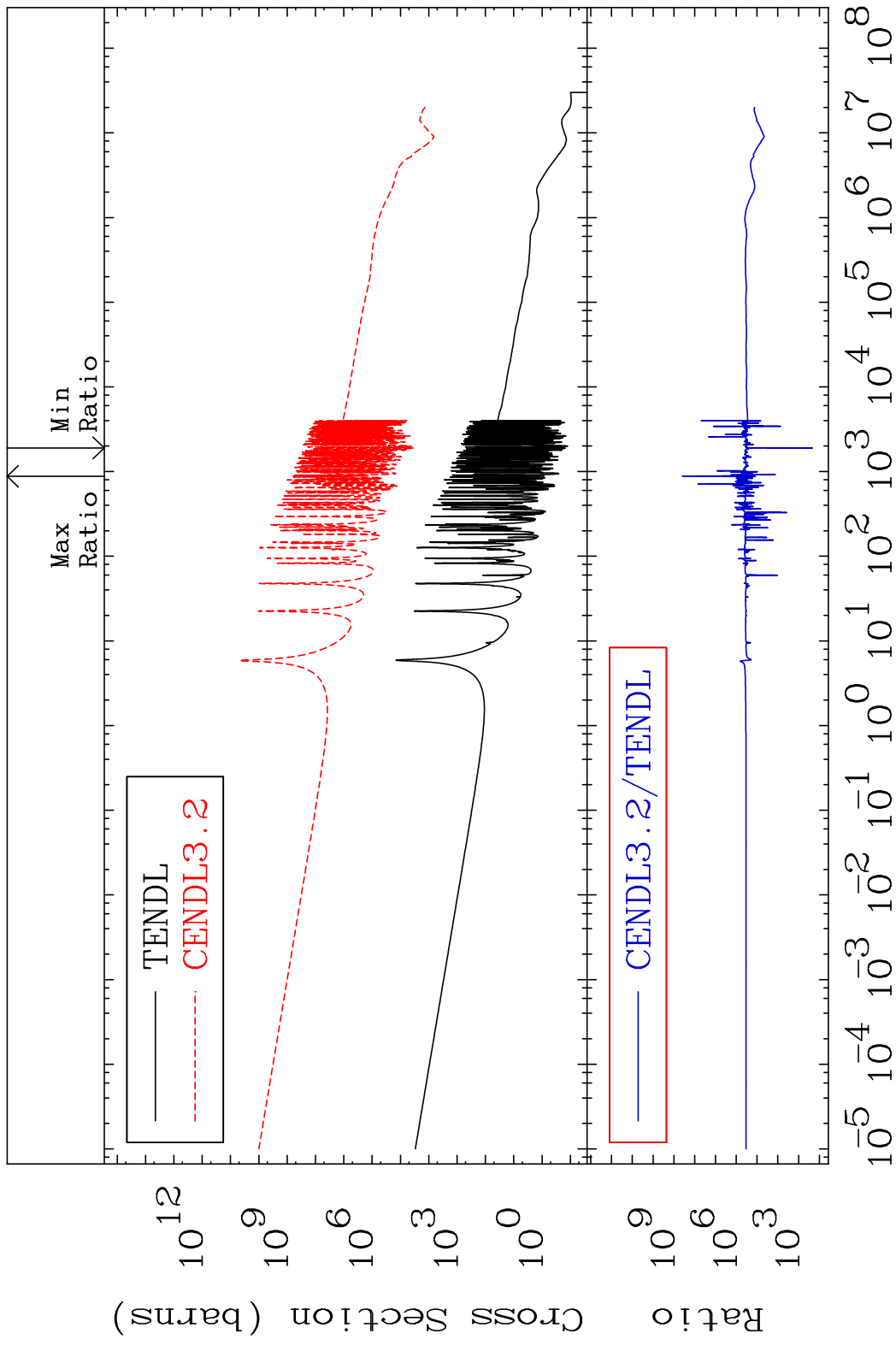
MAT 5525 Kerma inelastic (mt51-91) 55-Cs-133
 Cross Section -100.0 To 9999. %



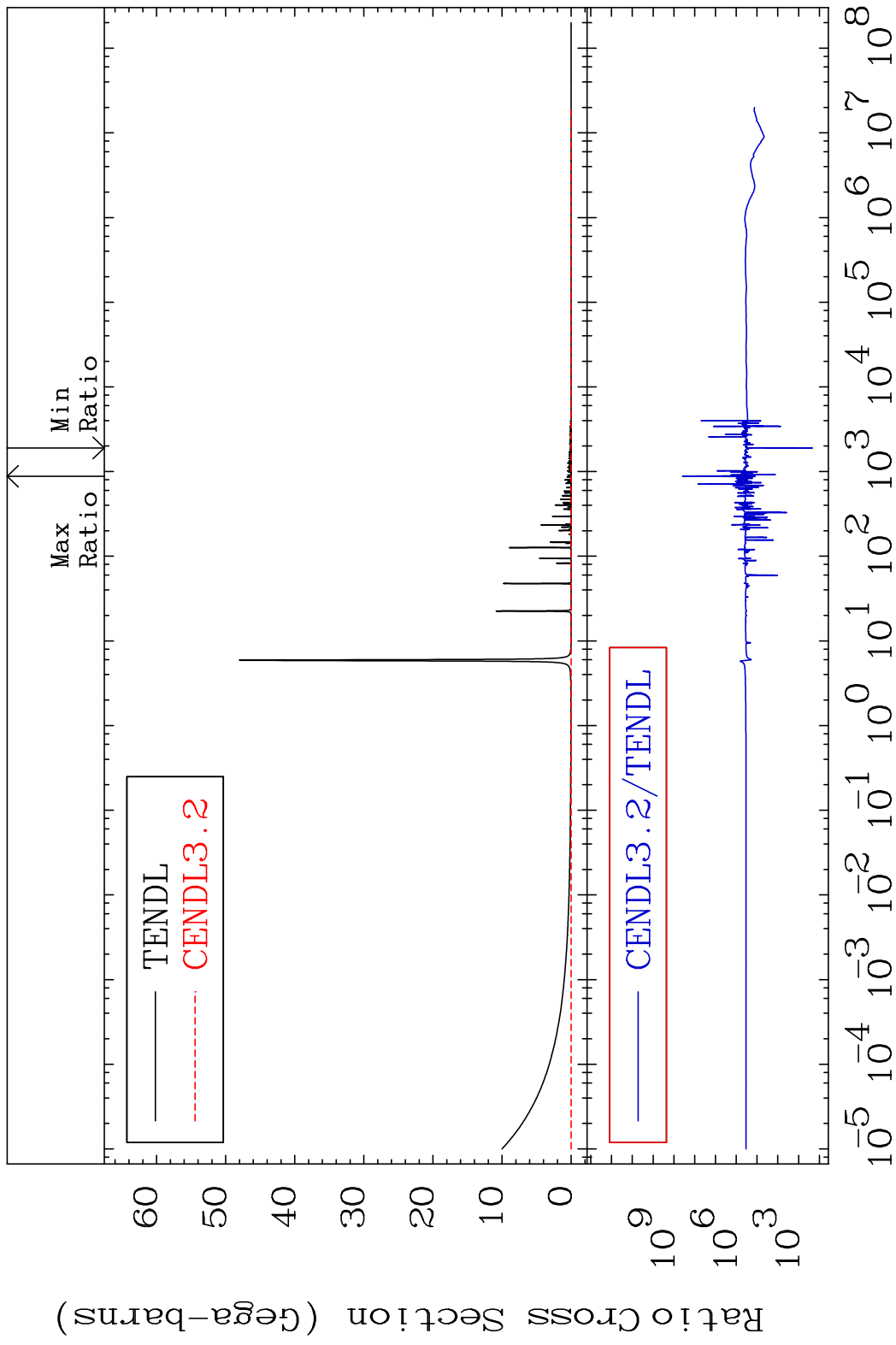
30 Incident Energy (eV) 55-Cs-133

MAT 5525 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-133
 Cross Section -100.0 To 9999. %

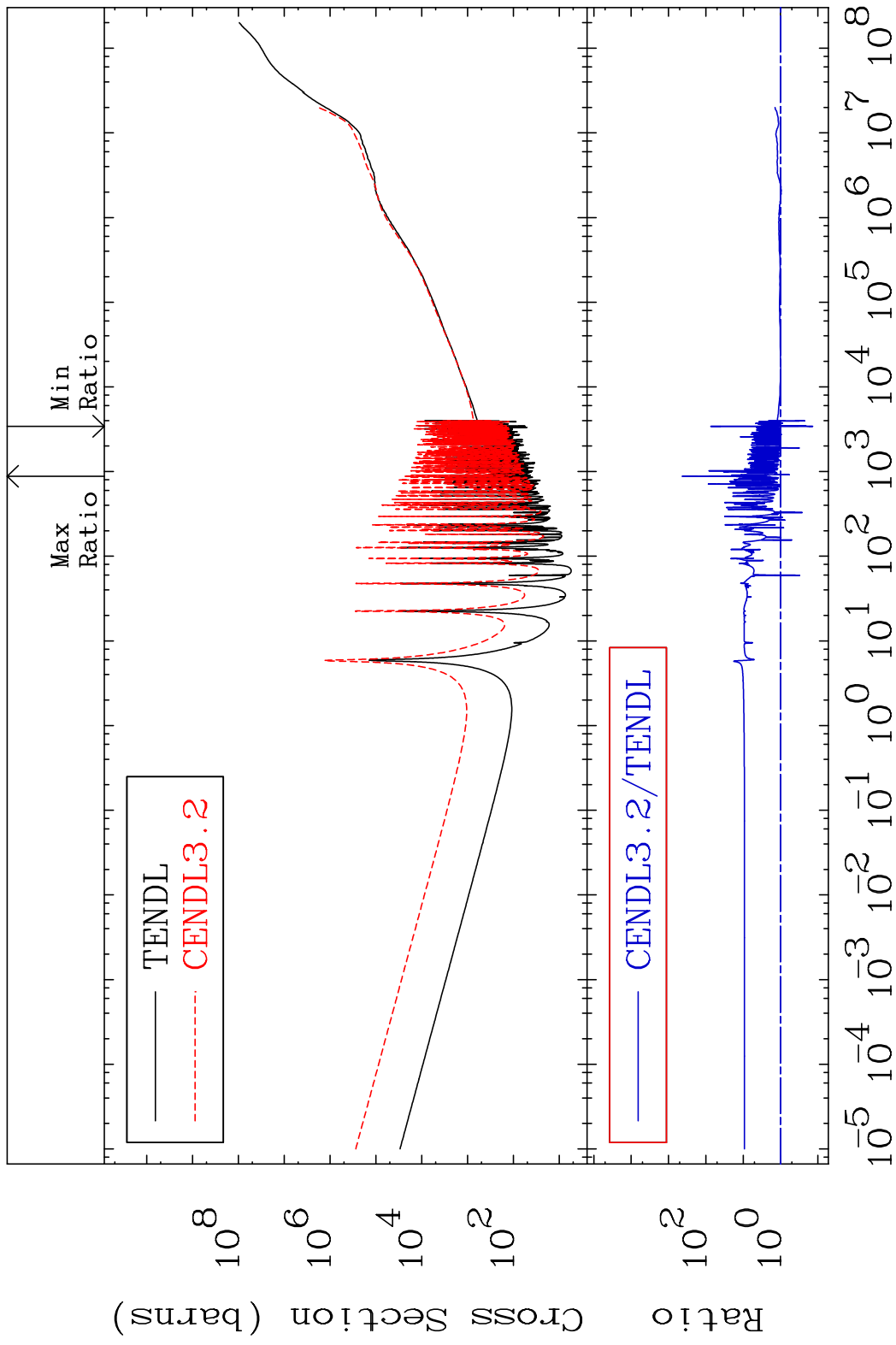




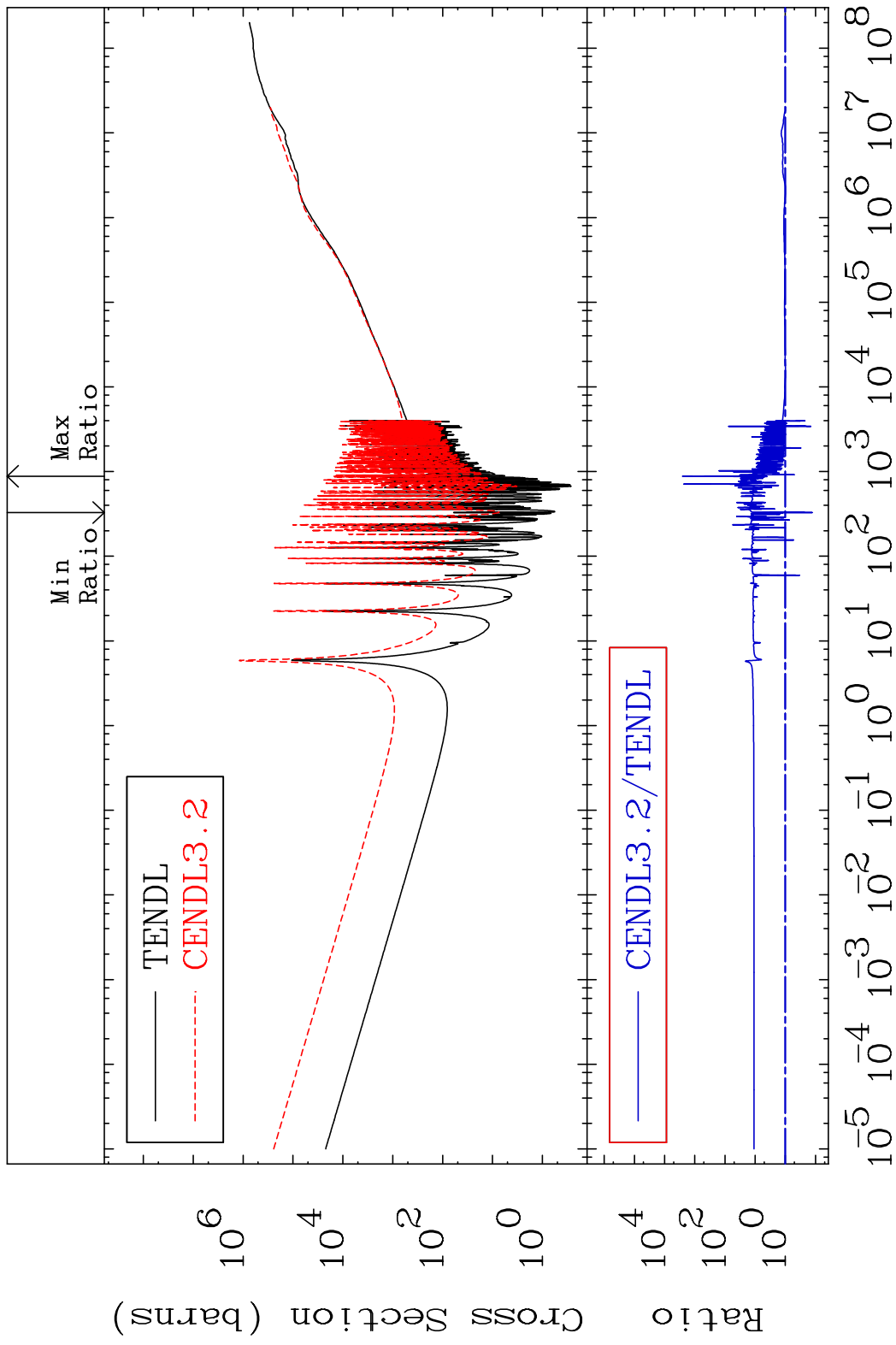
MAT 5525 Total photon (eV-barns) 55-Cs-133
 Cross Section 9999. To 9999. %



MAT 5525 Total kinematic kerma (high limit) 55-Cs-133
 Cross Section -86.10 To 9999. %



MAT 5525 Dpa total (eV-barns) 55-Cs-133
 Cross Section -87.48 To 9999. %



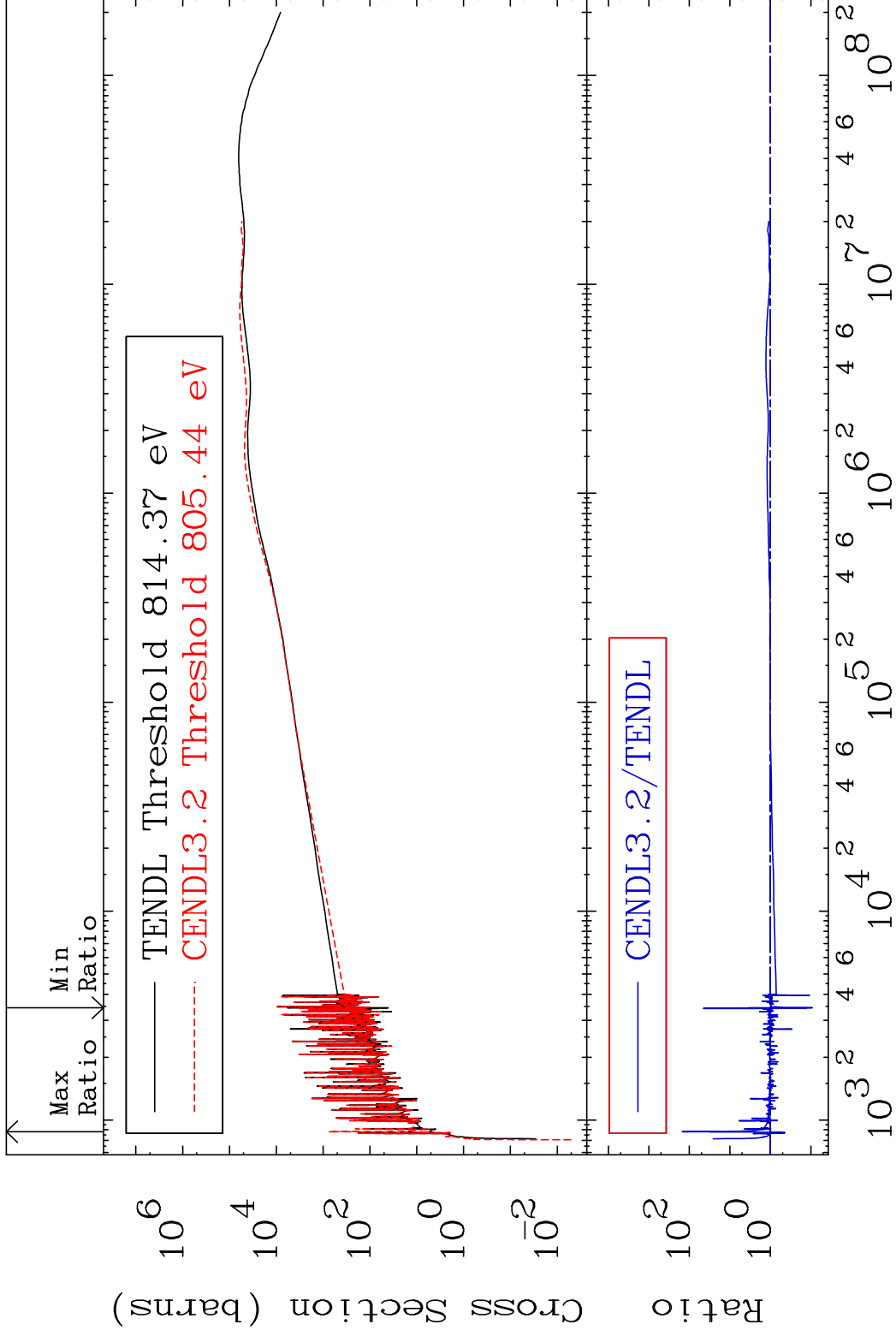
35 Incident Energy (eV) 55-Cs-133

MAT 5525

Dpa elastic (mt2)

55-Cs-133

Cross Section -90.87 To 9999. %

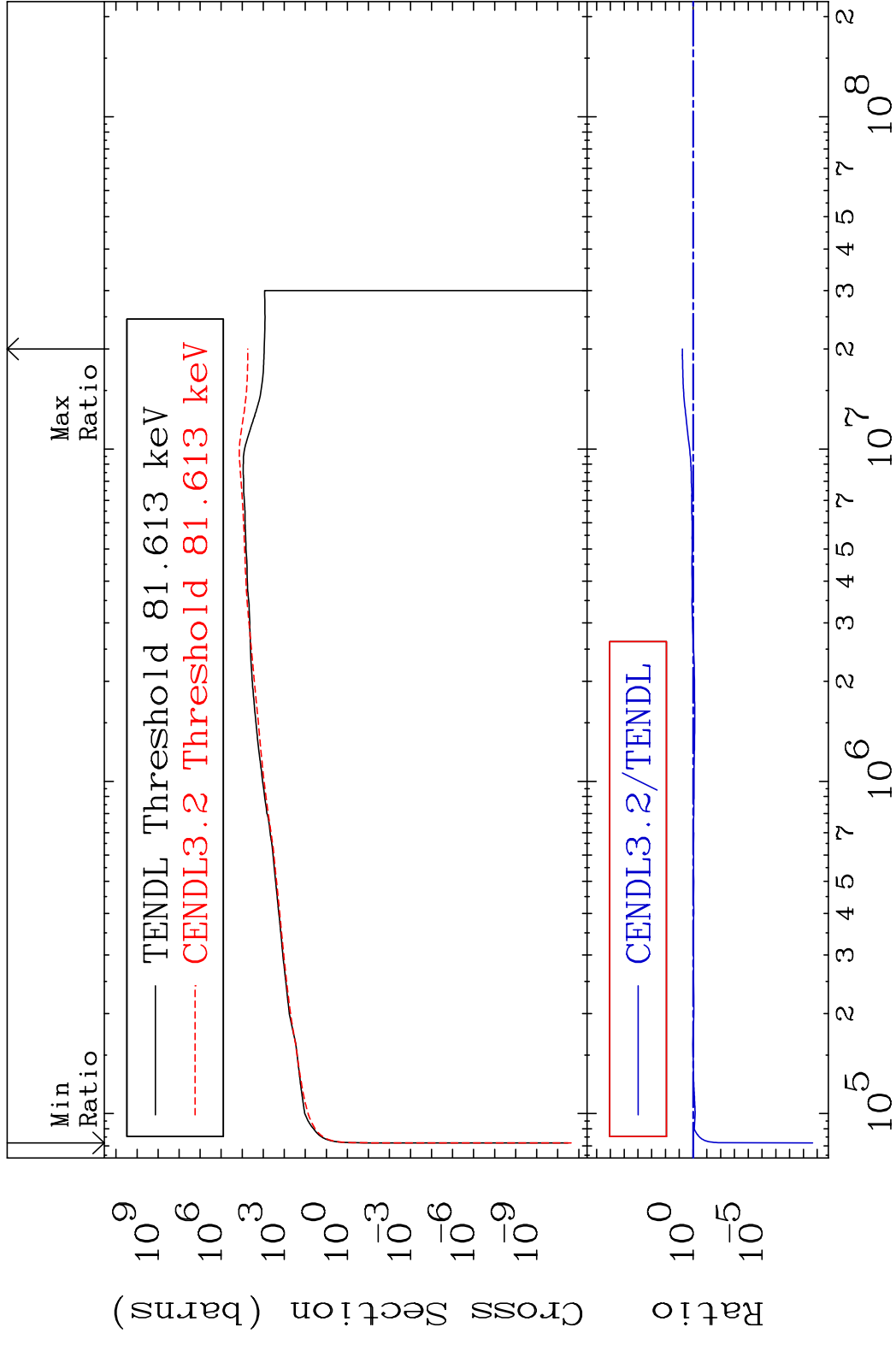


36

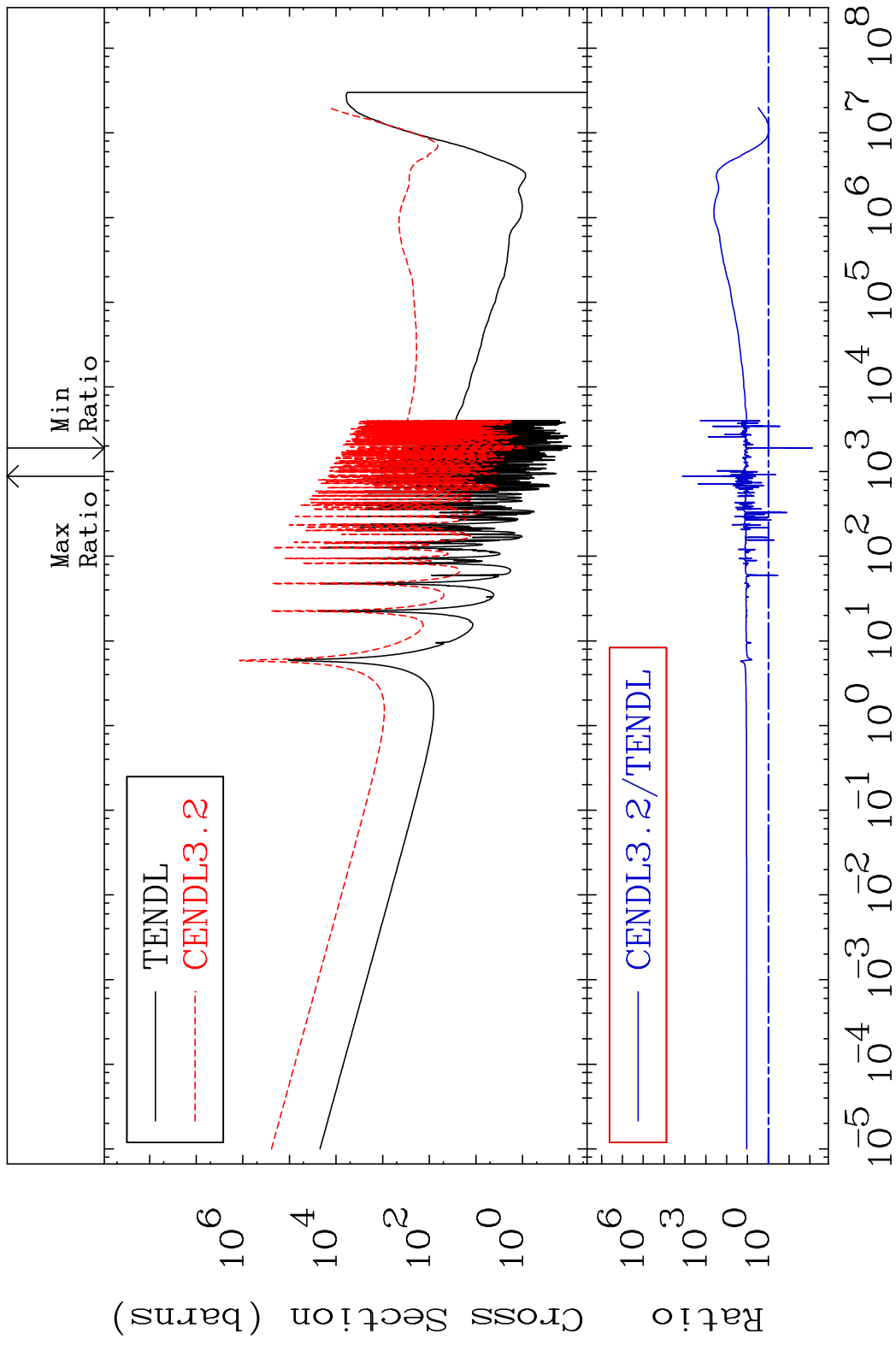
Incident Energy (eV)

55-Cs-133

MAT 5525 Dpa inelastic (mt51-91) 55-Cs-133
 Cross Section -100.0 To 499.2 %



MAT 5525 Dpa disappearance (mt102 -120) 55-Cs-133
 Cross Section -99.25 To 9999. %

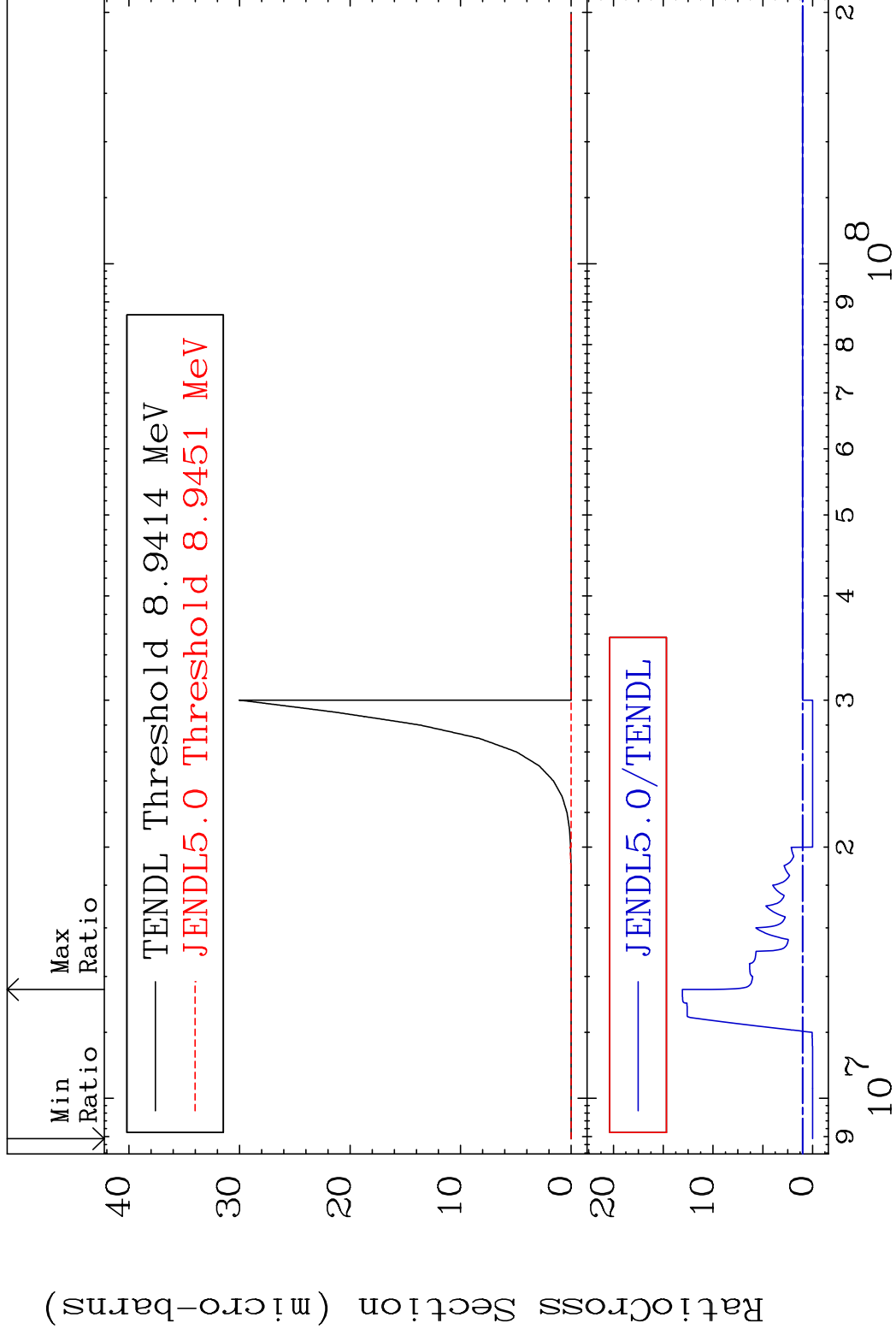


MAT 5525

(n,2p)

55-Cs-133

Cross Section -100.0 To 1208. %

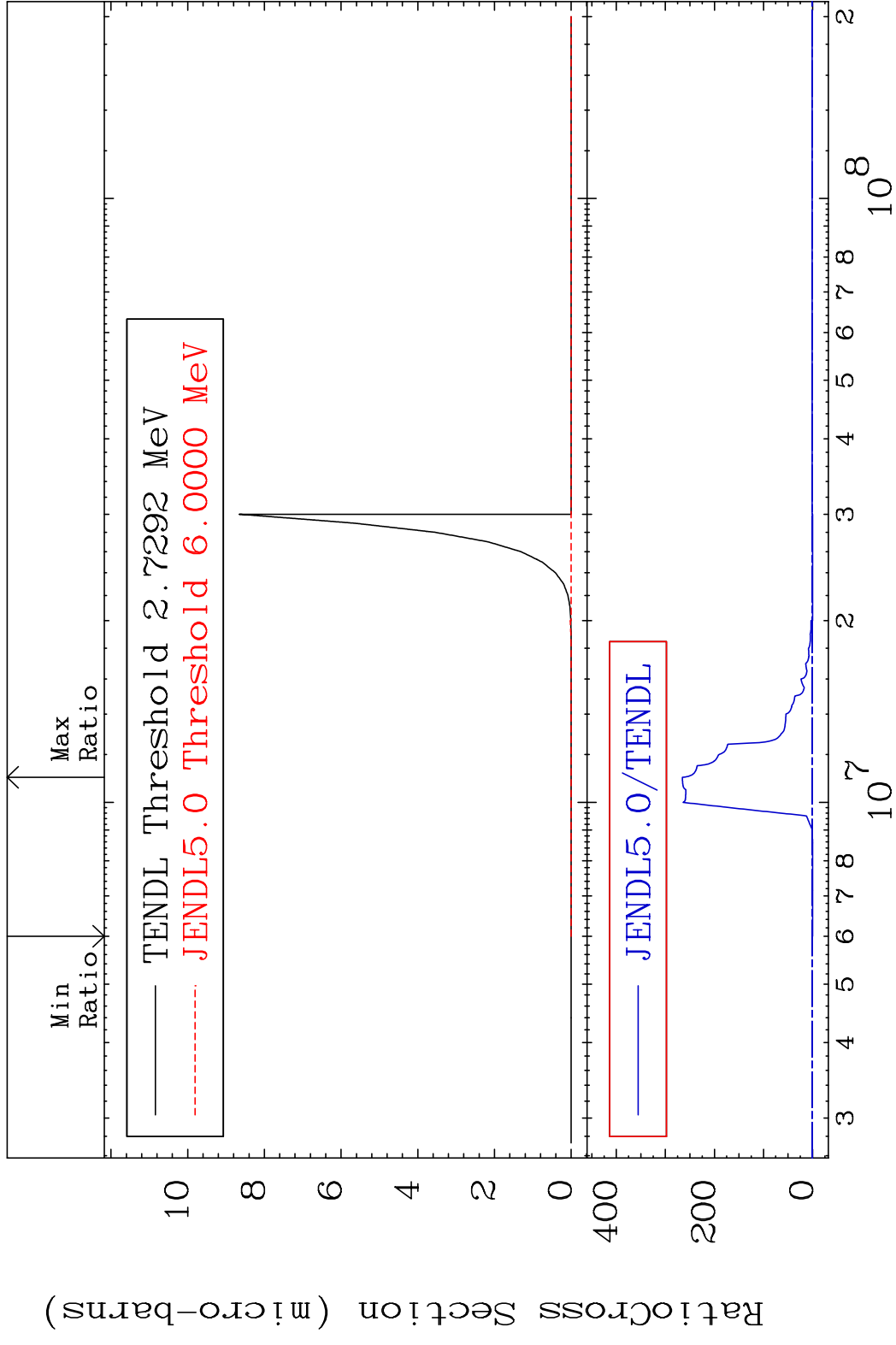


39

Incident Energy (eV)

55-Cs-133

MAT 5525 (n,p) α 55-Cs-133
 Cross Section -100.0 To 9999. %



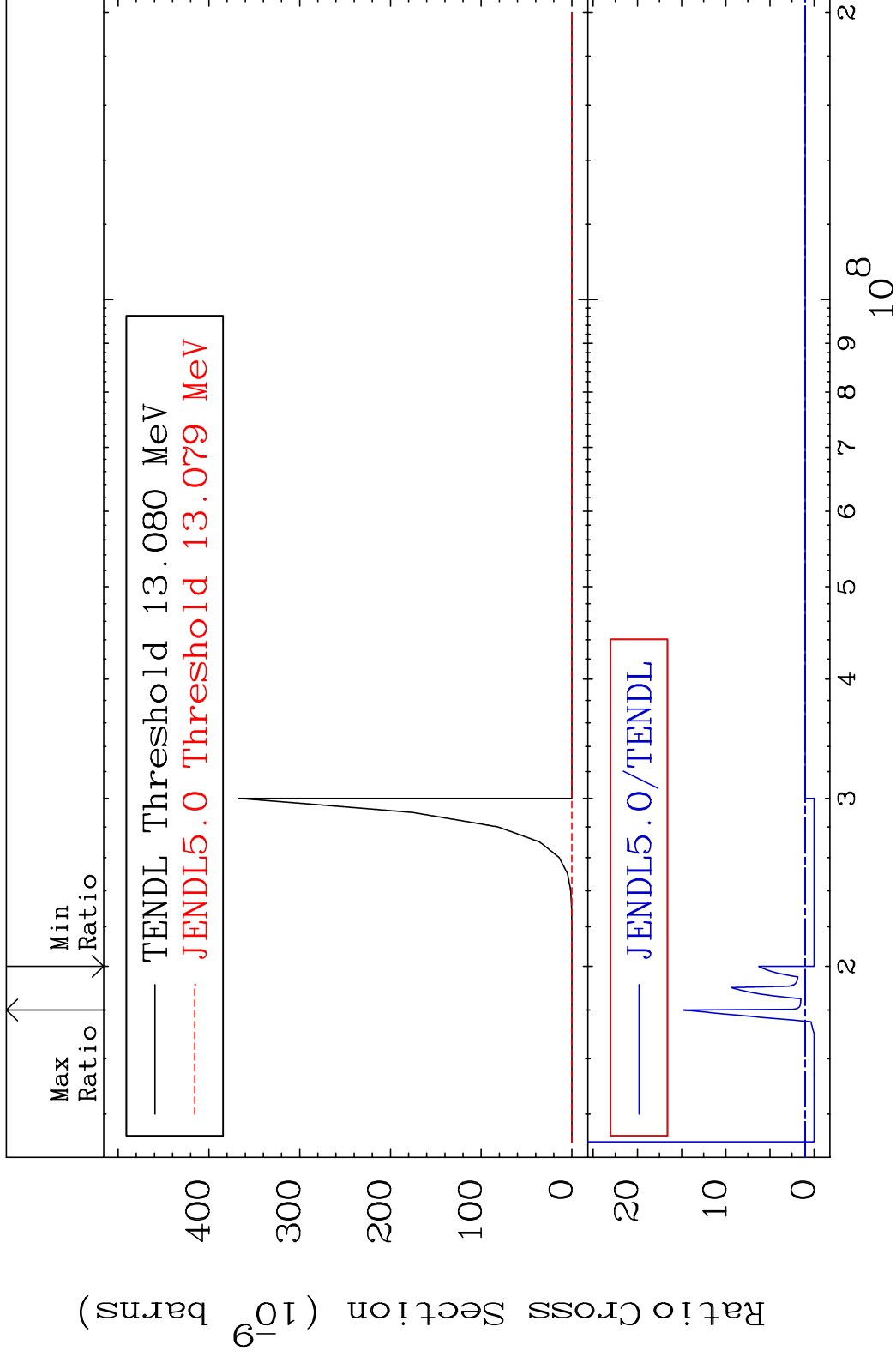
40 Incident Energy (eV) 55-Cs-133

MAT 5525

(n,p) d

55-Cs-133

Cross Section -100.0 To 1379. %

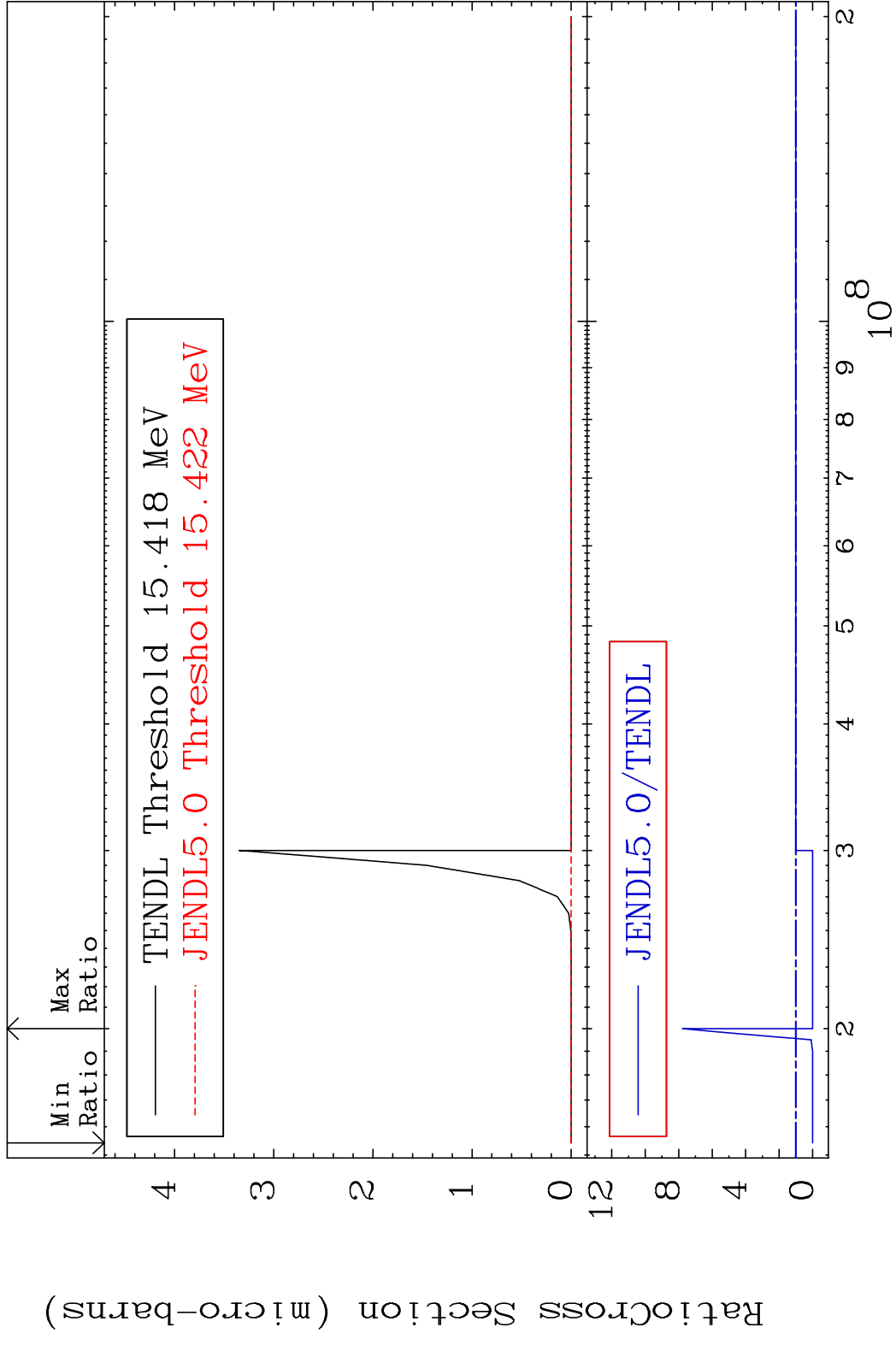


41

Incident Energy (eV)

55-Cs-133

MAT 5525 (n,p) t 55-Cs-133
 Cross Section -100.0 To 678.1 %

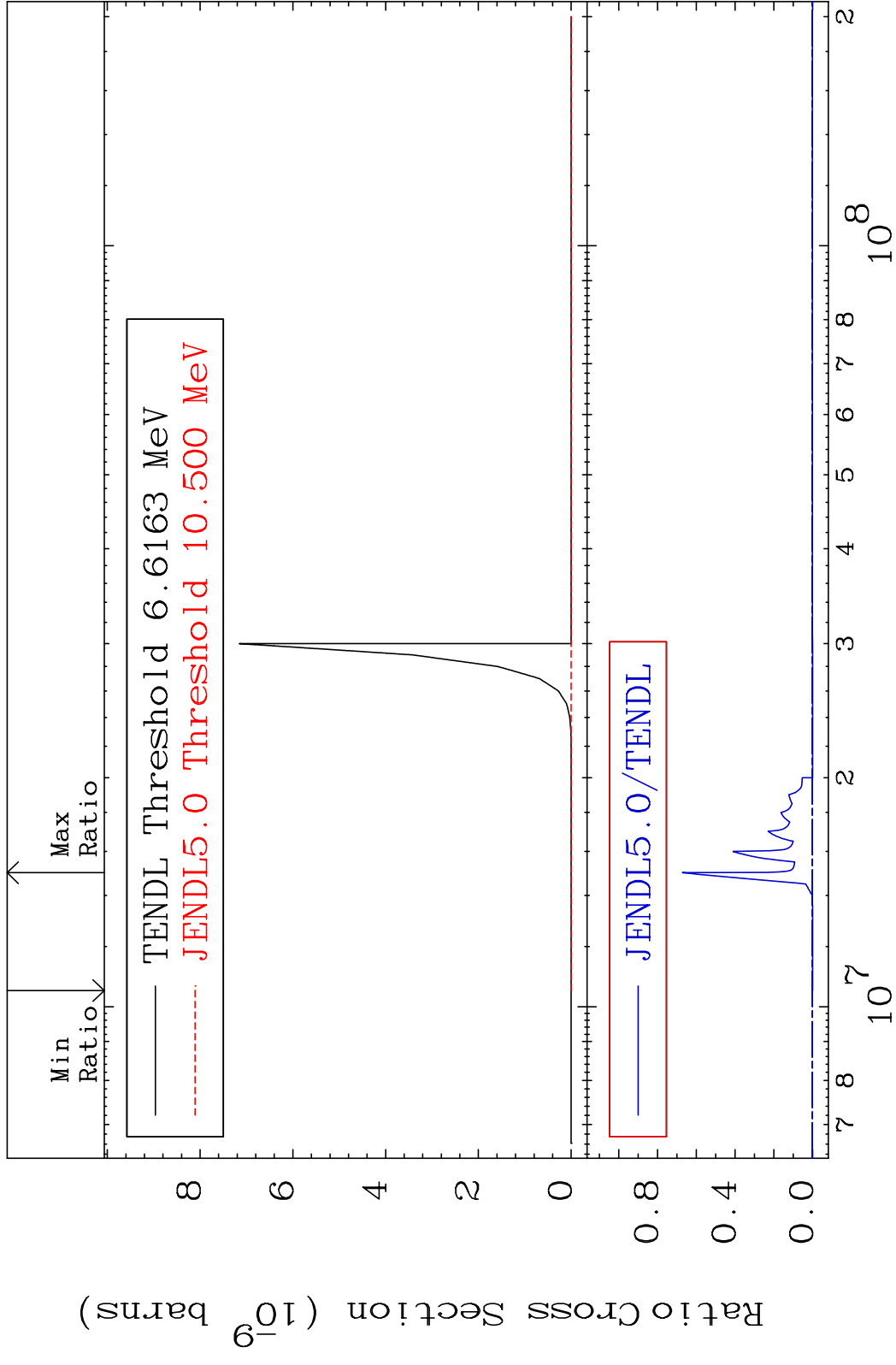


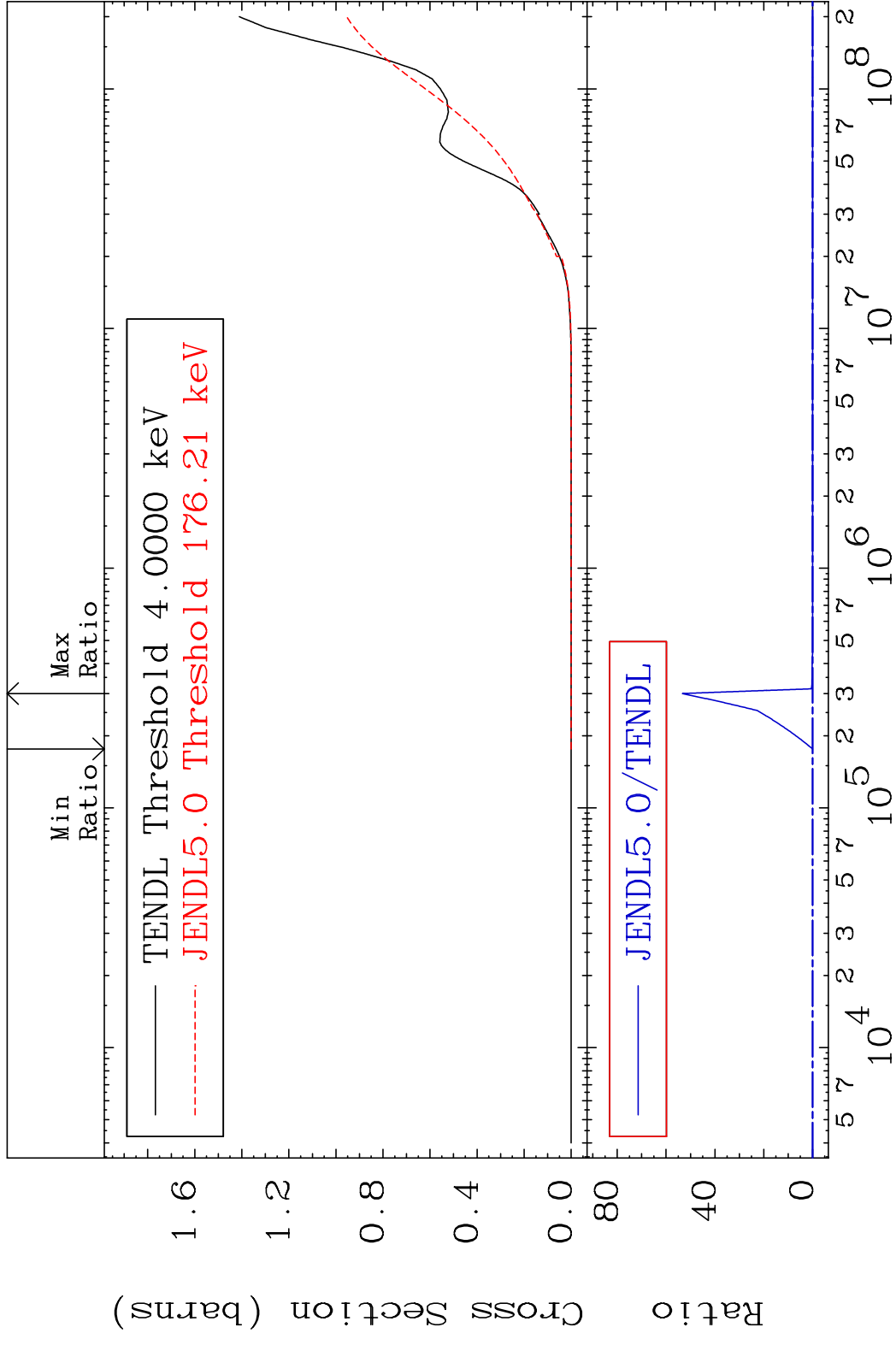
MAT 5525

(n,d) α

55-Cs-133

Cross Section -100.0 To 9999. %



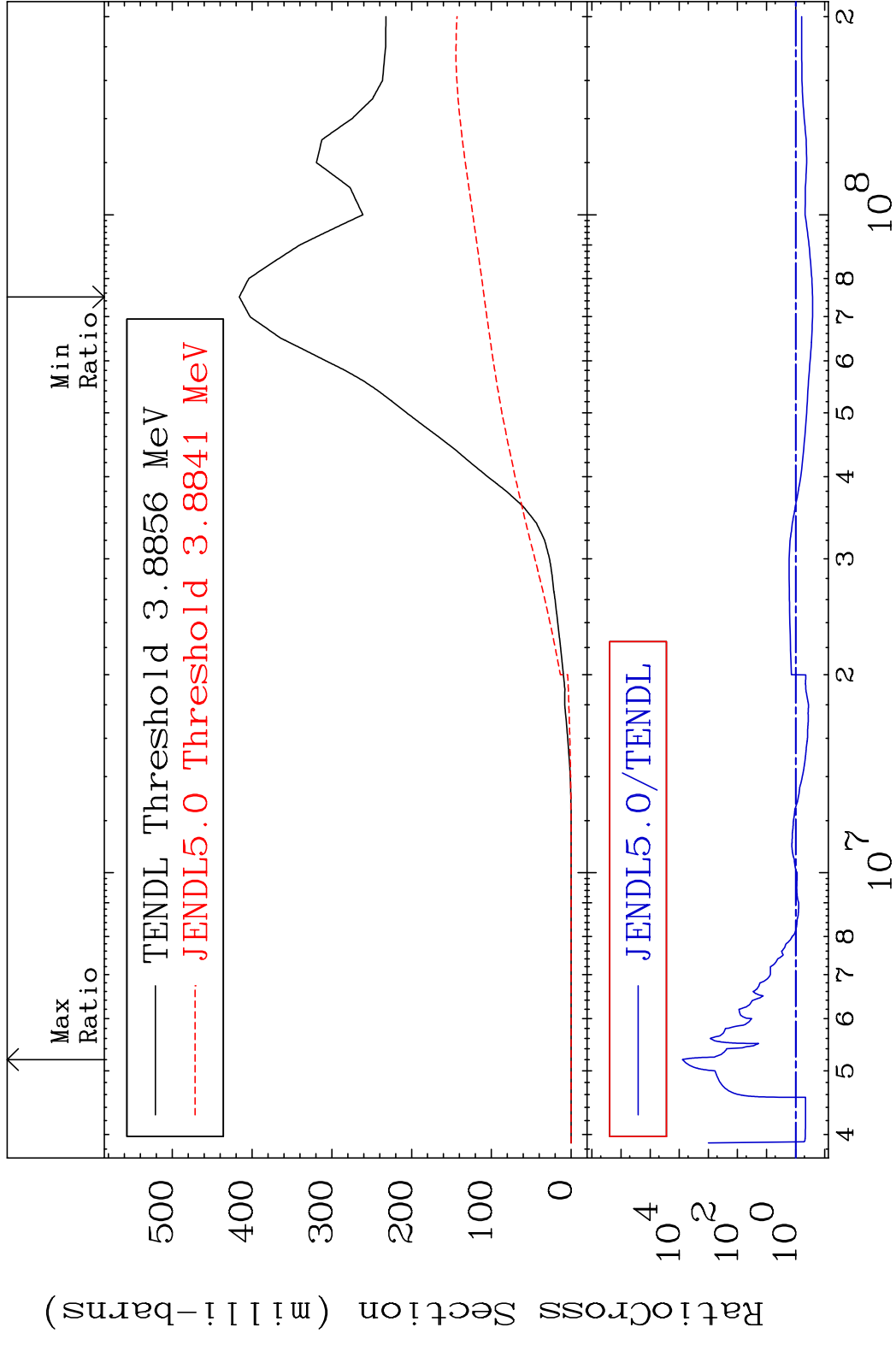


MAT 5525

Deuterium Production

55-Cs-133

Cross Section -73.78 To 9999. %



45

Incident Energy (eV)

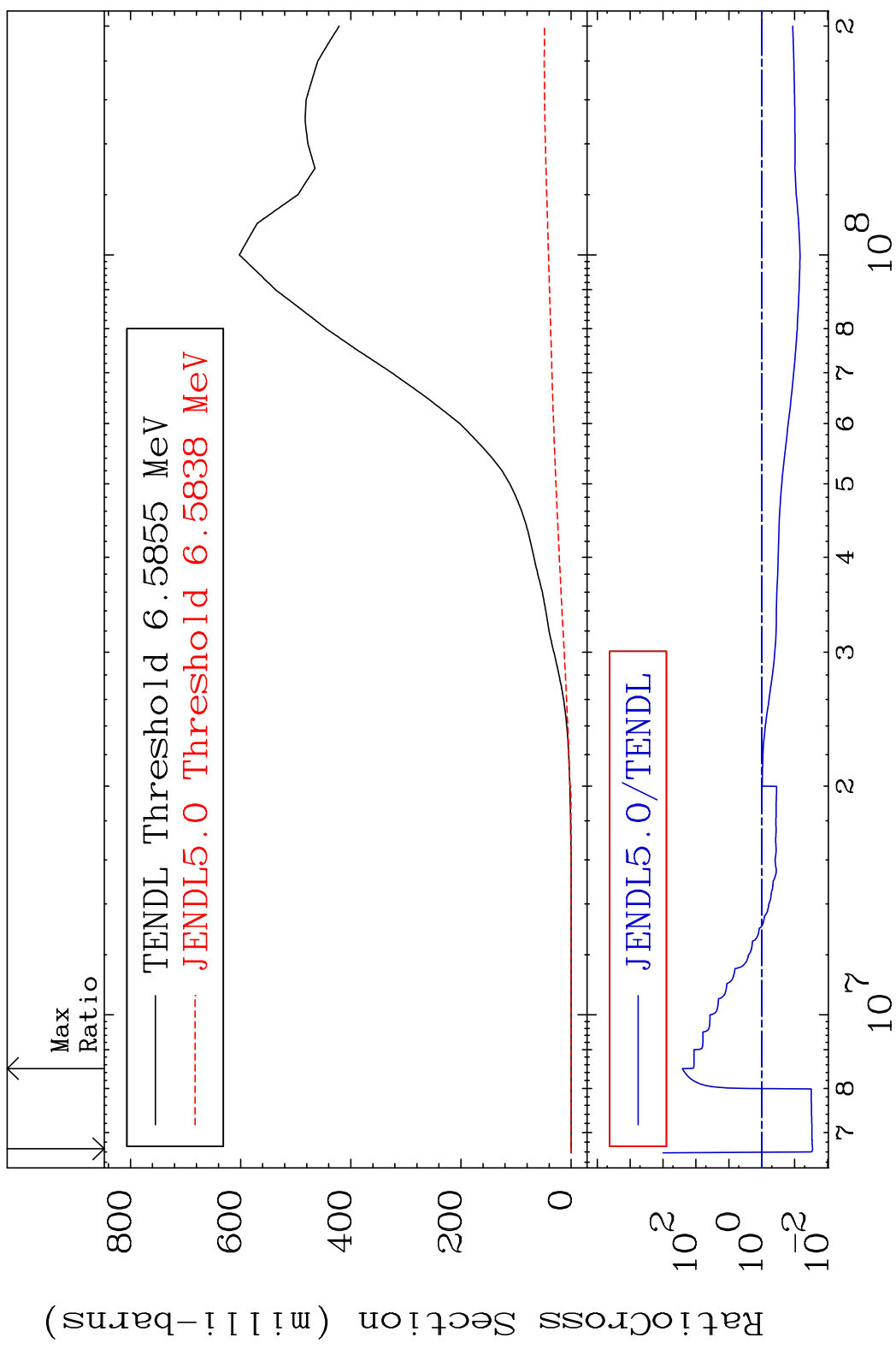
55-Cs-133

MAT 5525

Tritium Production

55-Cs-133

Cross Section -97.13 To 9999. %

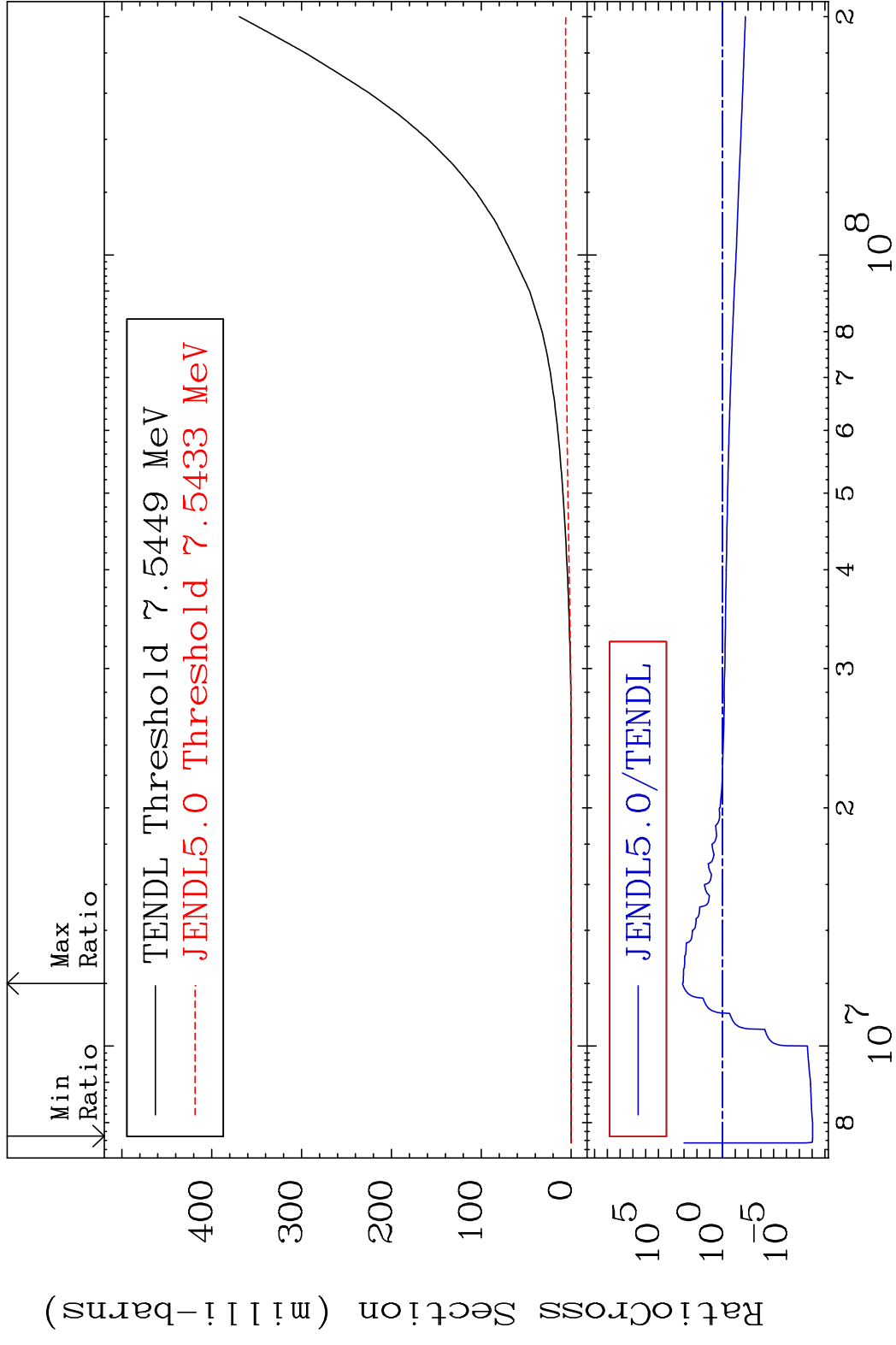


MAT 5525

He-3 Production

55-Cs-133

Cross Section -100.0 To 9999. %

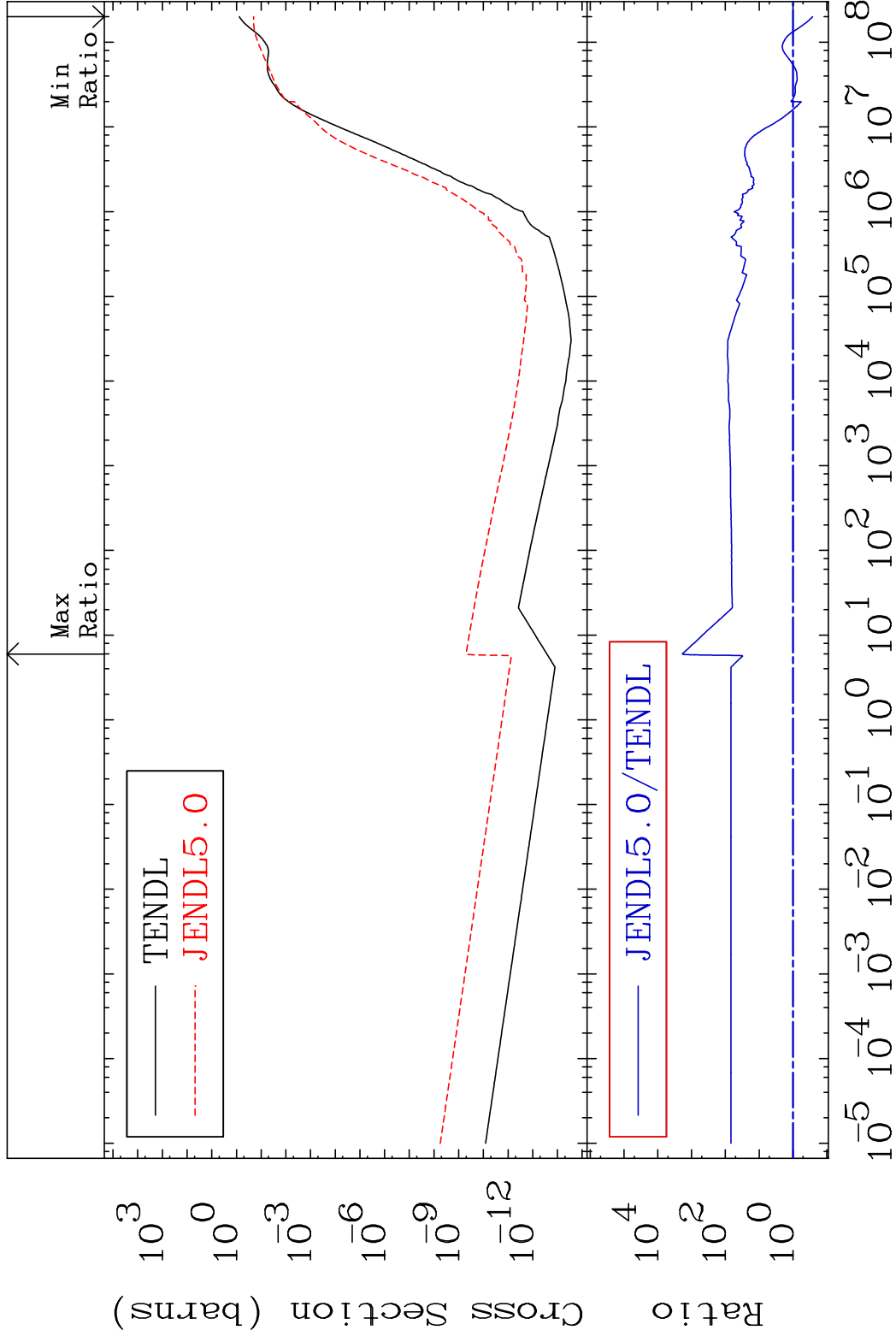


MAT 5525

He-4 Production

55-Cs-133

Cross Section -73.79 To 9999. %

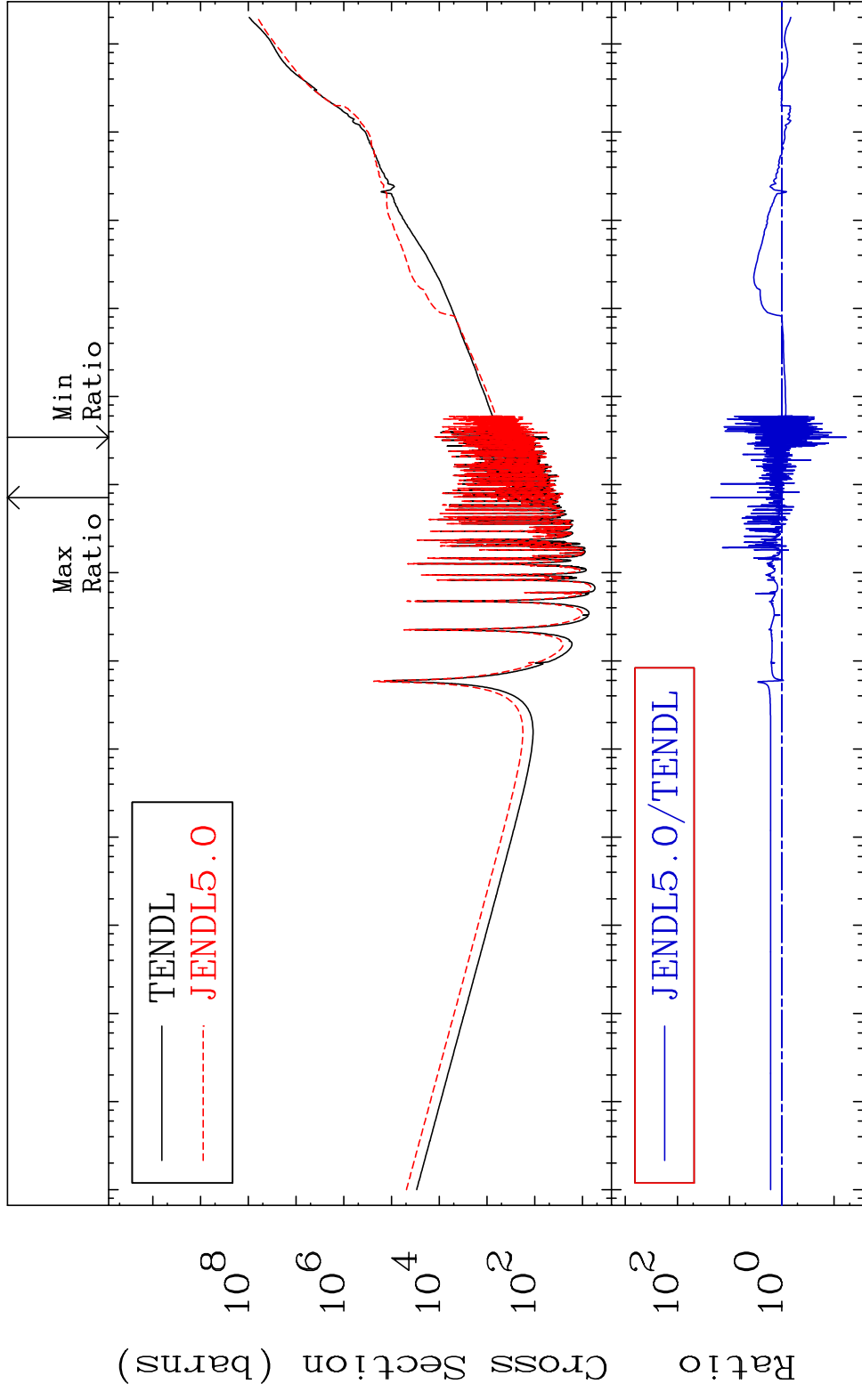


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Incident Energy (eV)

55-Cs-133

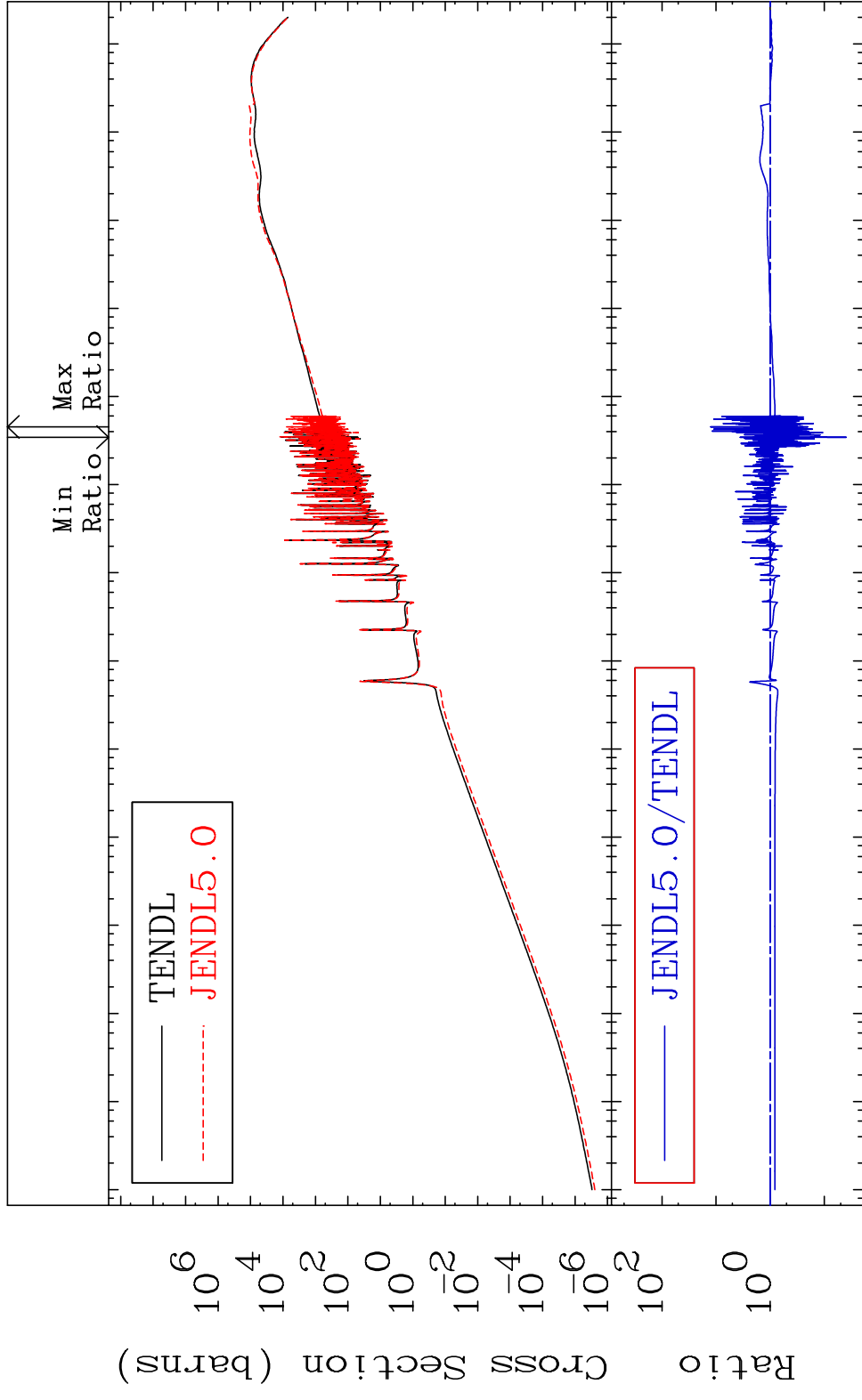
MAT 5525 Kerma total (eV-barns) 55-Cs-133
 Cross Section -94.21 To 2203. %



MAT 5525

Kerma elastic
Cross Section

55-Cs-133
-96.09 To 1156. %



Ratio

10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸

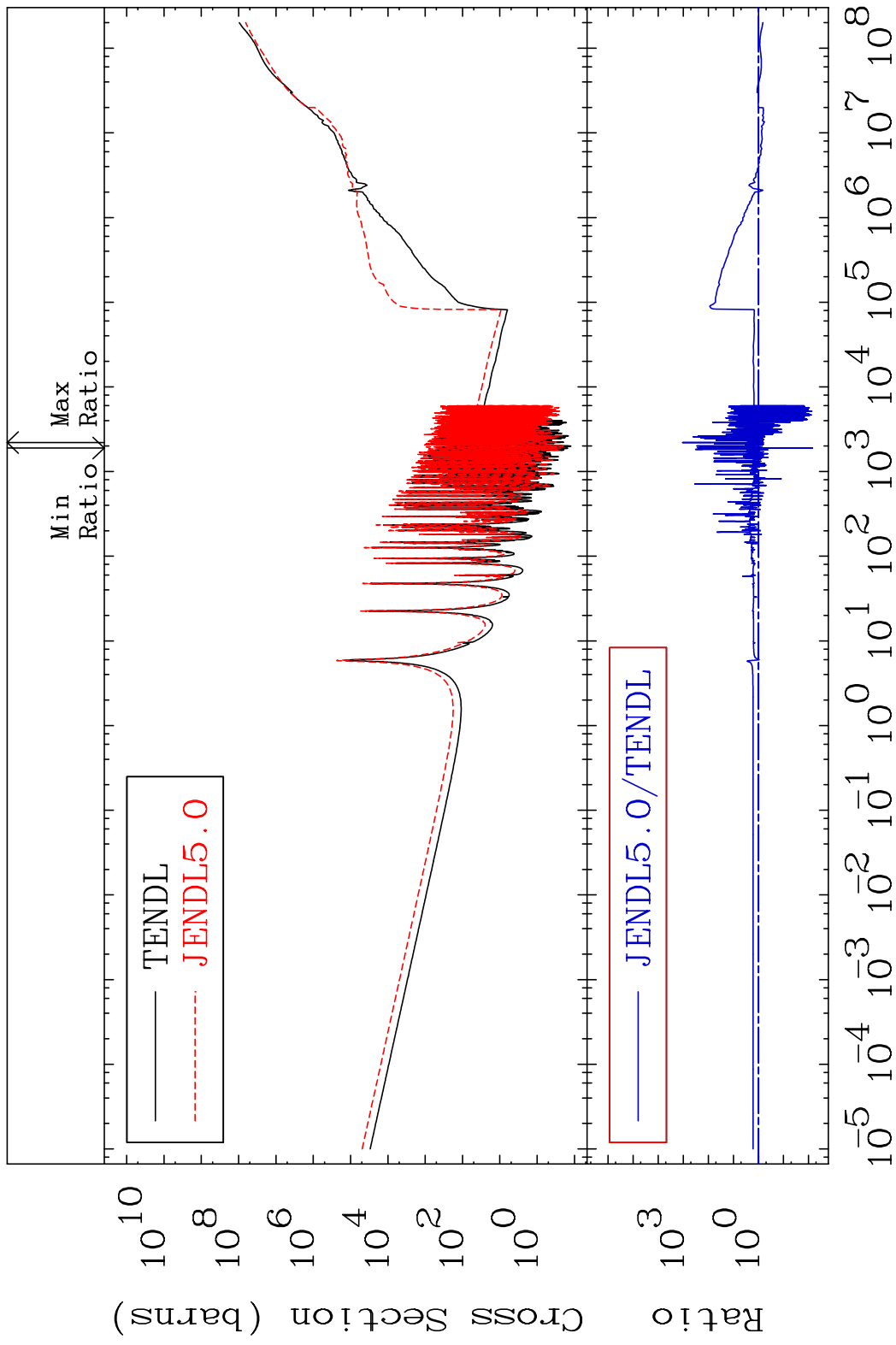
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

50

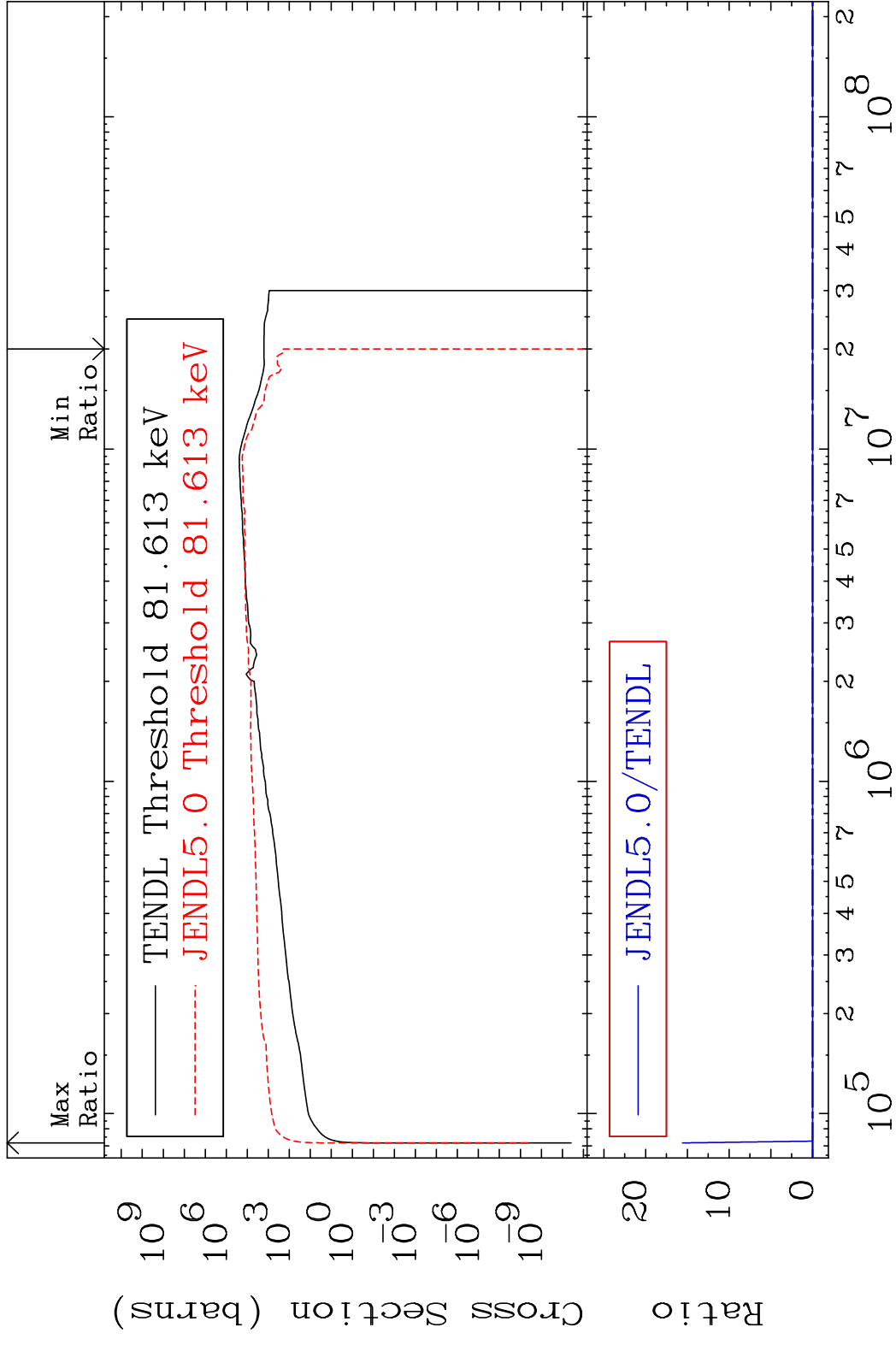
Incident Energy (eV)

55-Cs-133

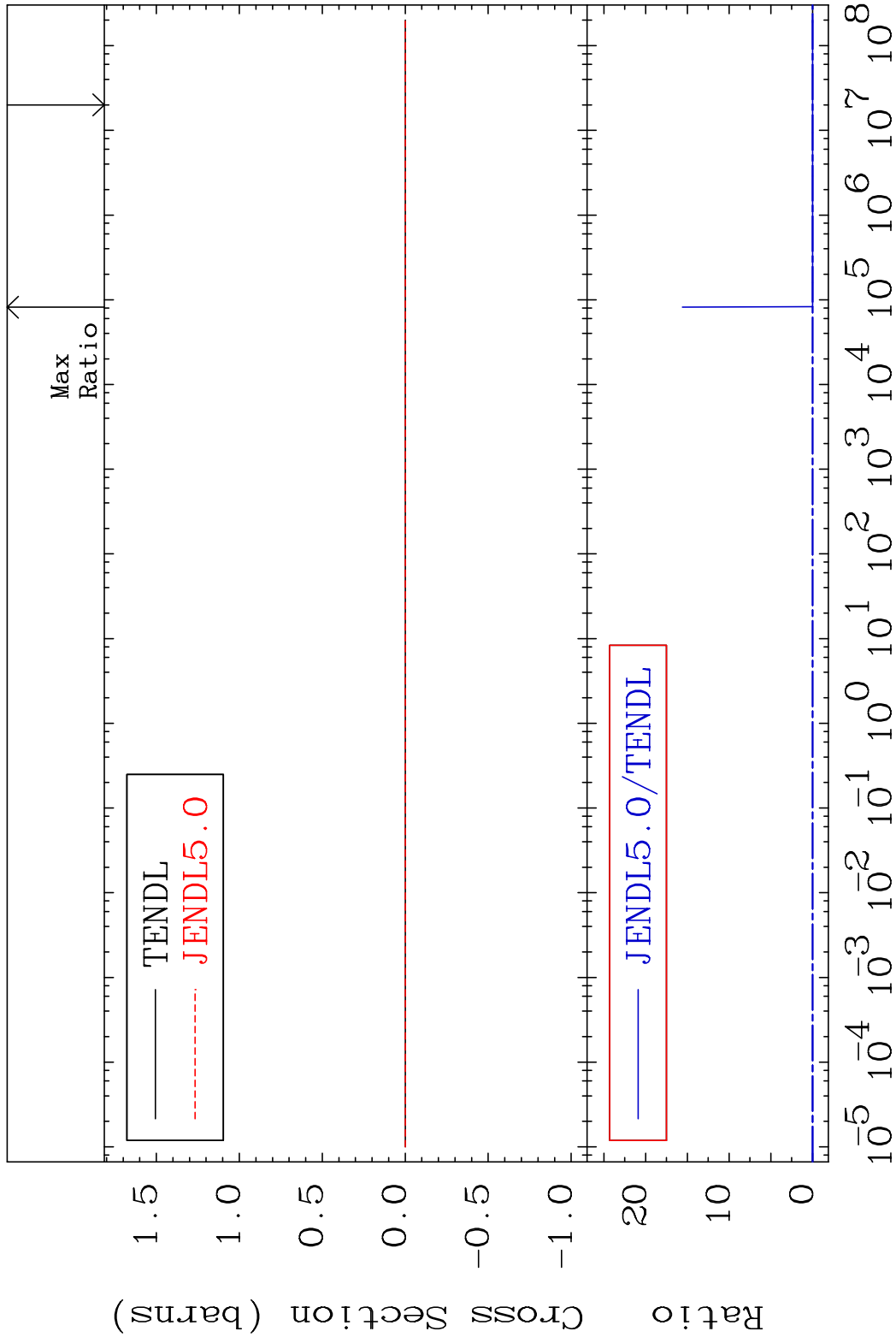
MAT 5525 Kerma non-elastic (all but mt2) 55-Cs-133
 Cross Section -99.31 To 9999. %



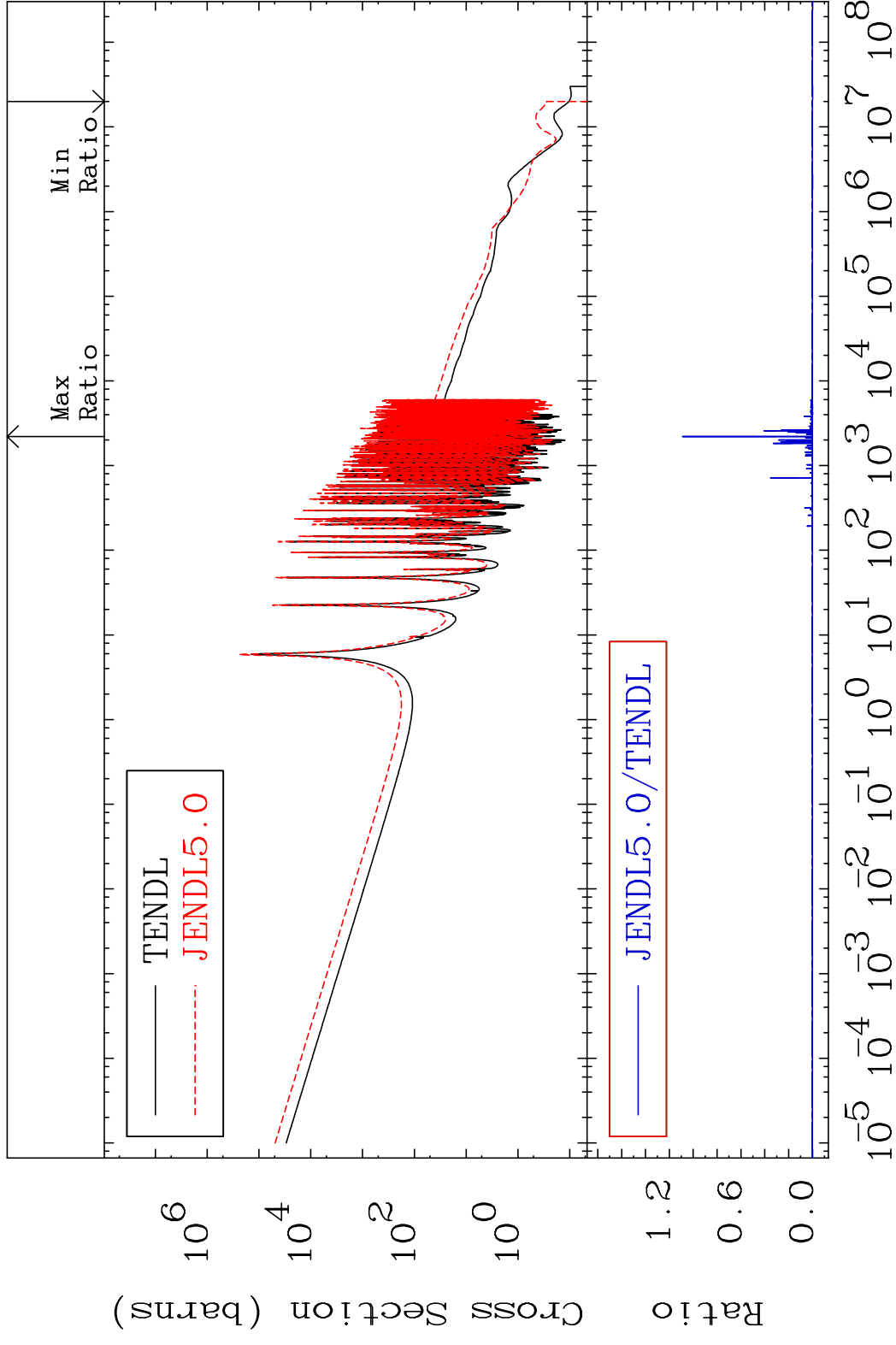
MAT 5525 Kerma inelastic (mt51-91) 55-Cs-133
 Cross Section -100.0 To 9999. %



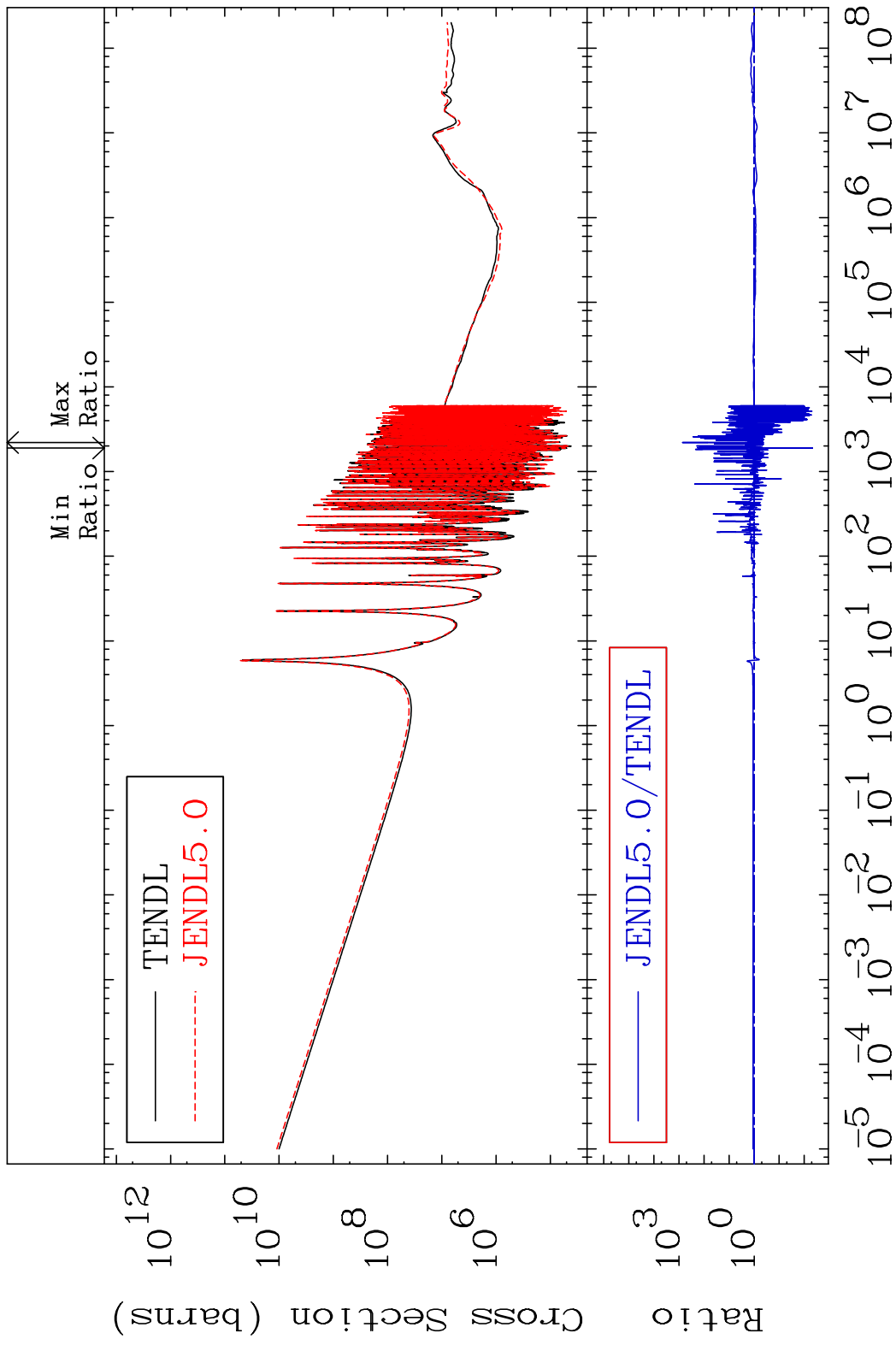
MAT 5525 Kerma fission (mt18 or mt19-20-21-38)55-Cs-133
 Cross Section -100.0 To 9999. %



MAT 5525 Kerma capture (mt102) 55-Cs-133
 Cross Section -100.0 To 9999. %

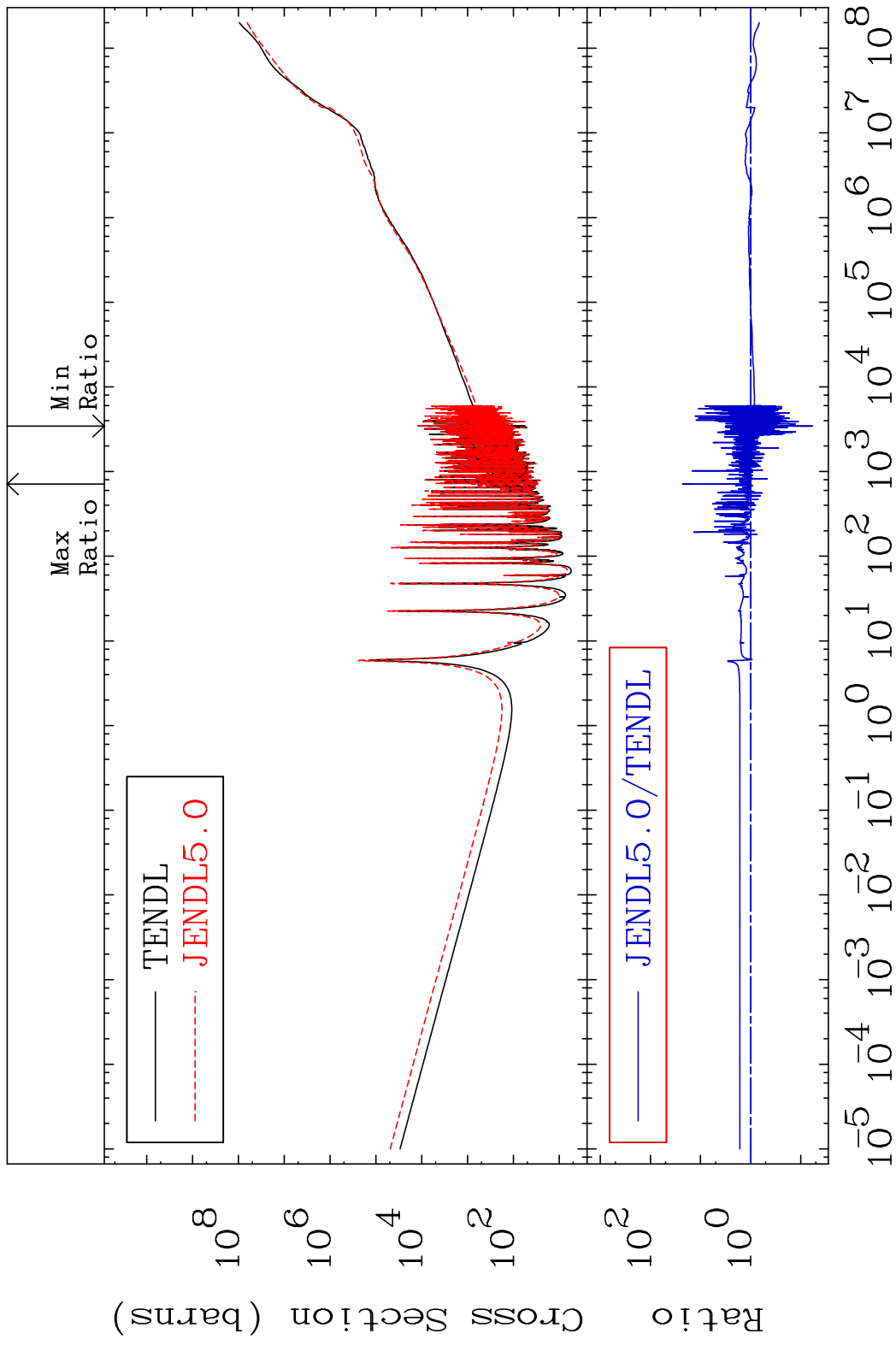


MAT 5525 Total photon (eV-barns) 55-Cs-133
Cross Section -99.53 To 9999. %

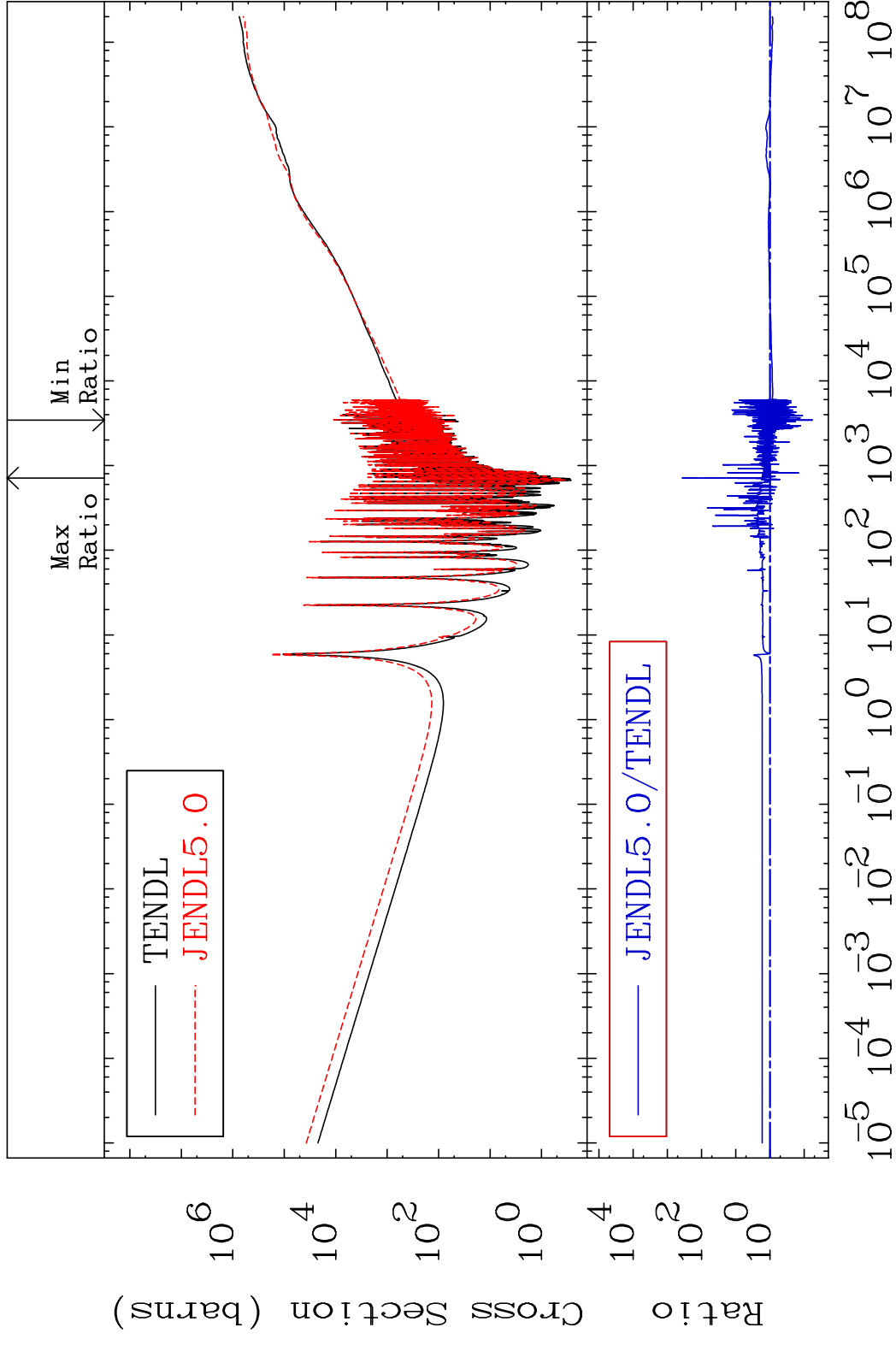


55 Incident Energy (eV) 55-Cs-133

MAT 5525 Total kinematic kerma (high limit) 55-Cs-133
 Cross Section -94.21 To 2203. %



MAT 5525 Dpa total (eV-barns) 55-Cs-133
 Cross Section -94.34 To 9999. %

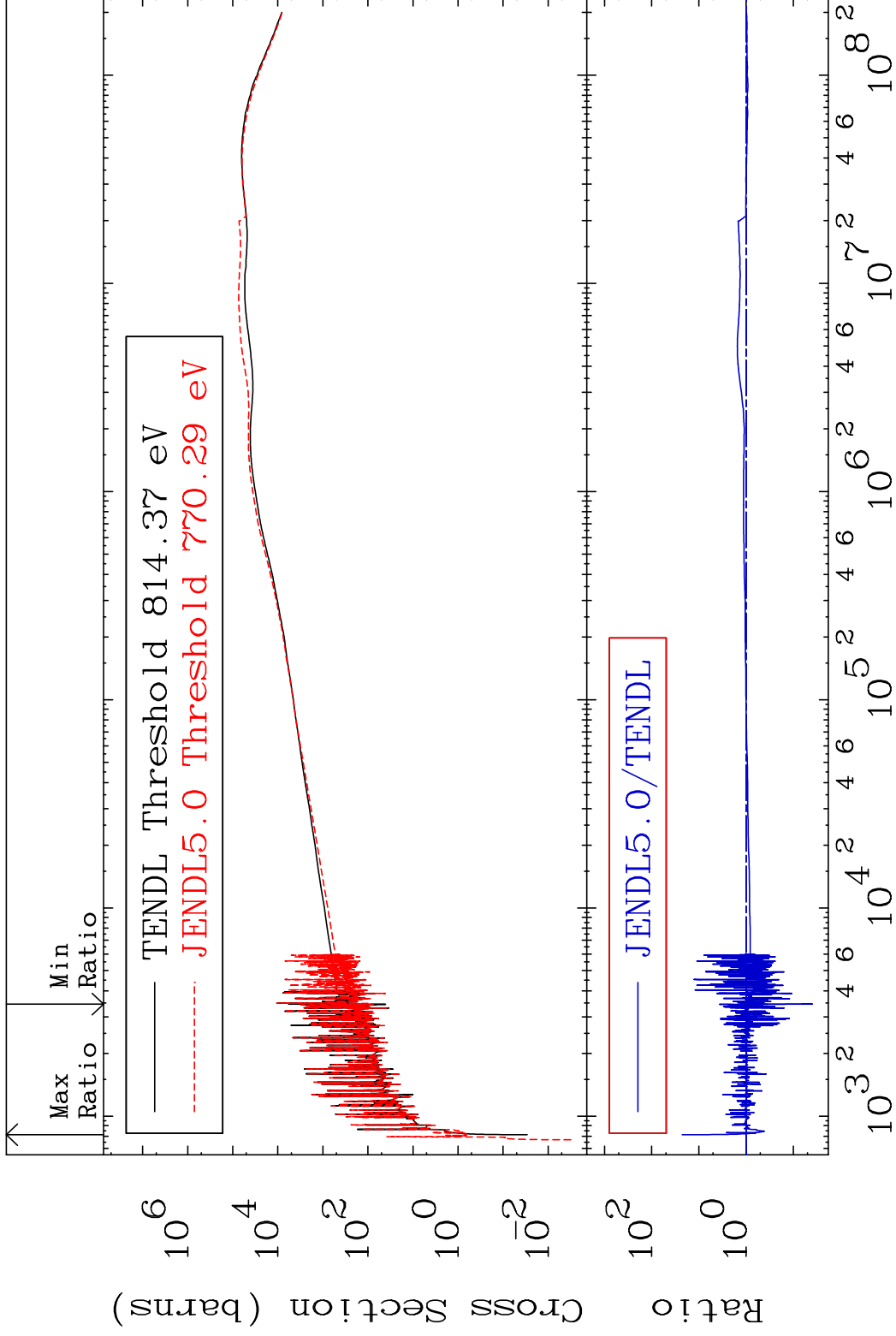


MAT 5525

Dpa elastic (mt2)

55-Cs-133

Cross Section -96.08 To 2165. %

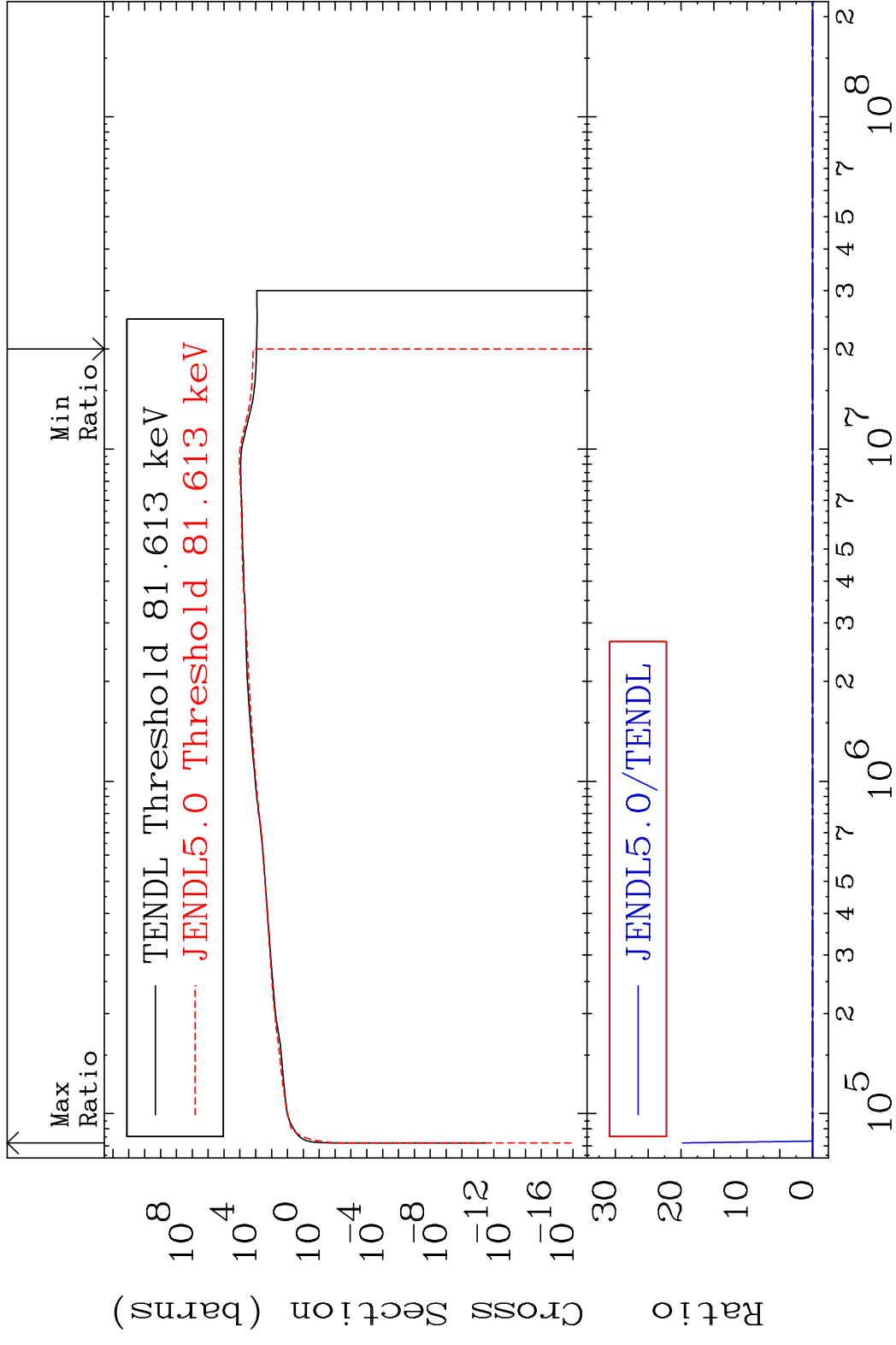


58

Incident Energy (eV)

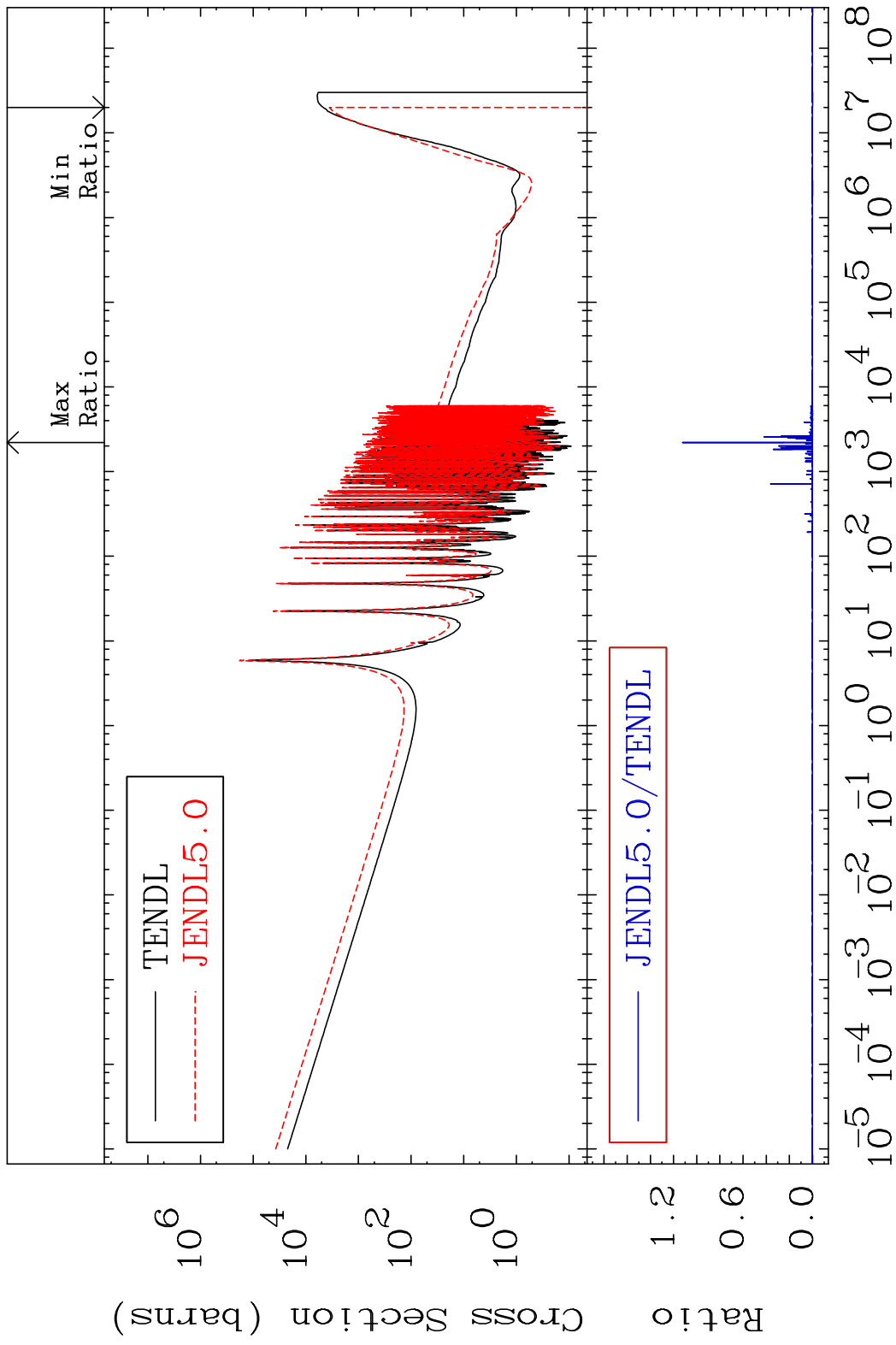
55-Cs-133

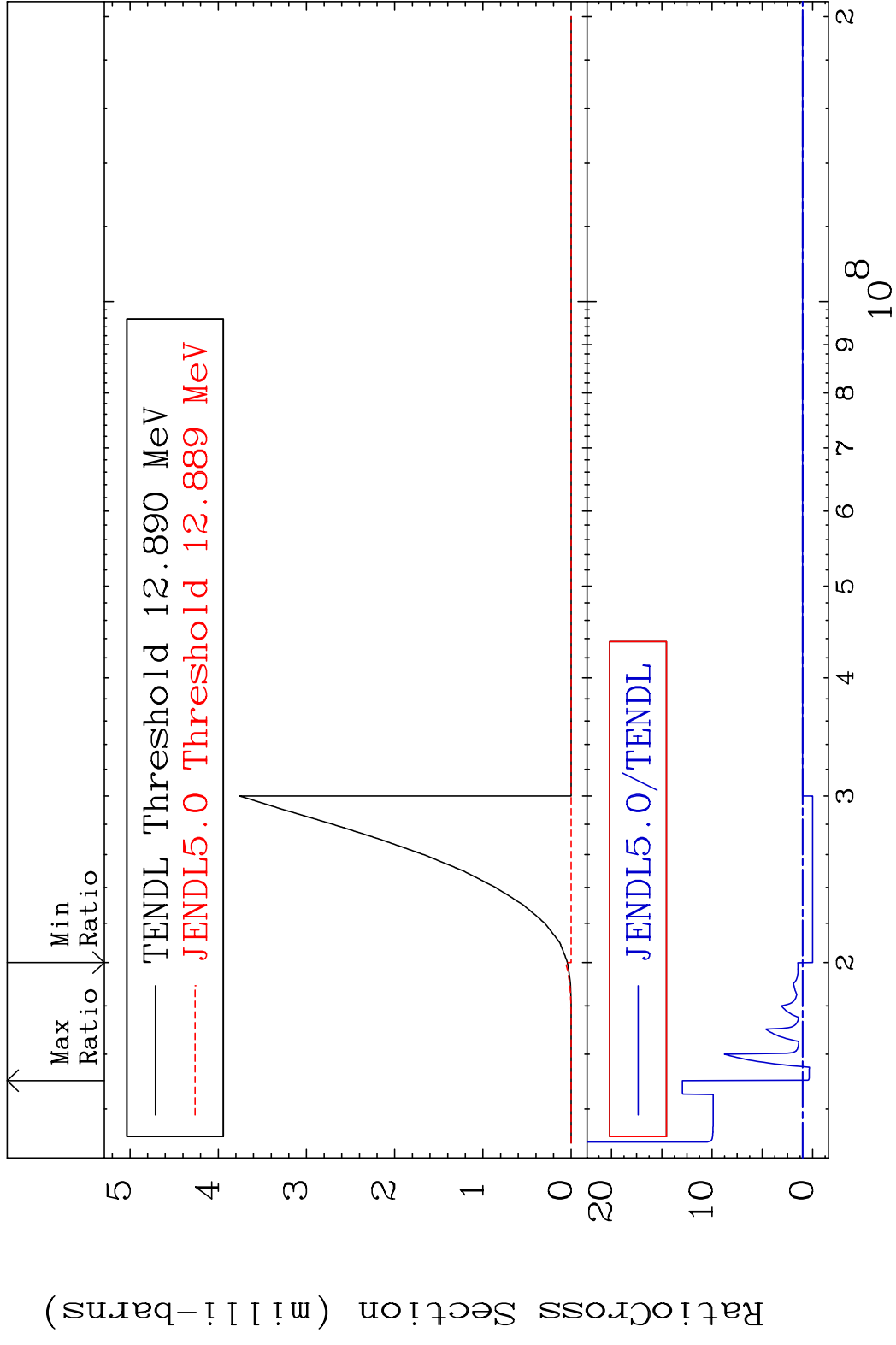
MAT 5525 Dpa inelastic (mt51-91) 55-Cs-133
 Cross Section -100.0 To 9999. %



59 Incident Energy (eV) 55-Cs-133

MAT 5525 Dpa disappearance (mt102 -120) 55-Cs-133
Cross Section -100.0 To 9999. %





MAT 5525 (n, n') d:54-Xe-131m2 55-Cs-133
 Radionuclide Production Cross Section Ratio 2473. %

