

Program Complot
(Version 2018-1)

by

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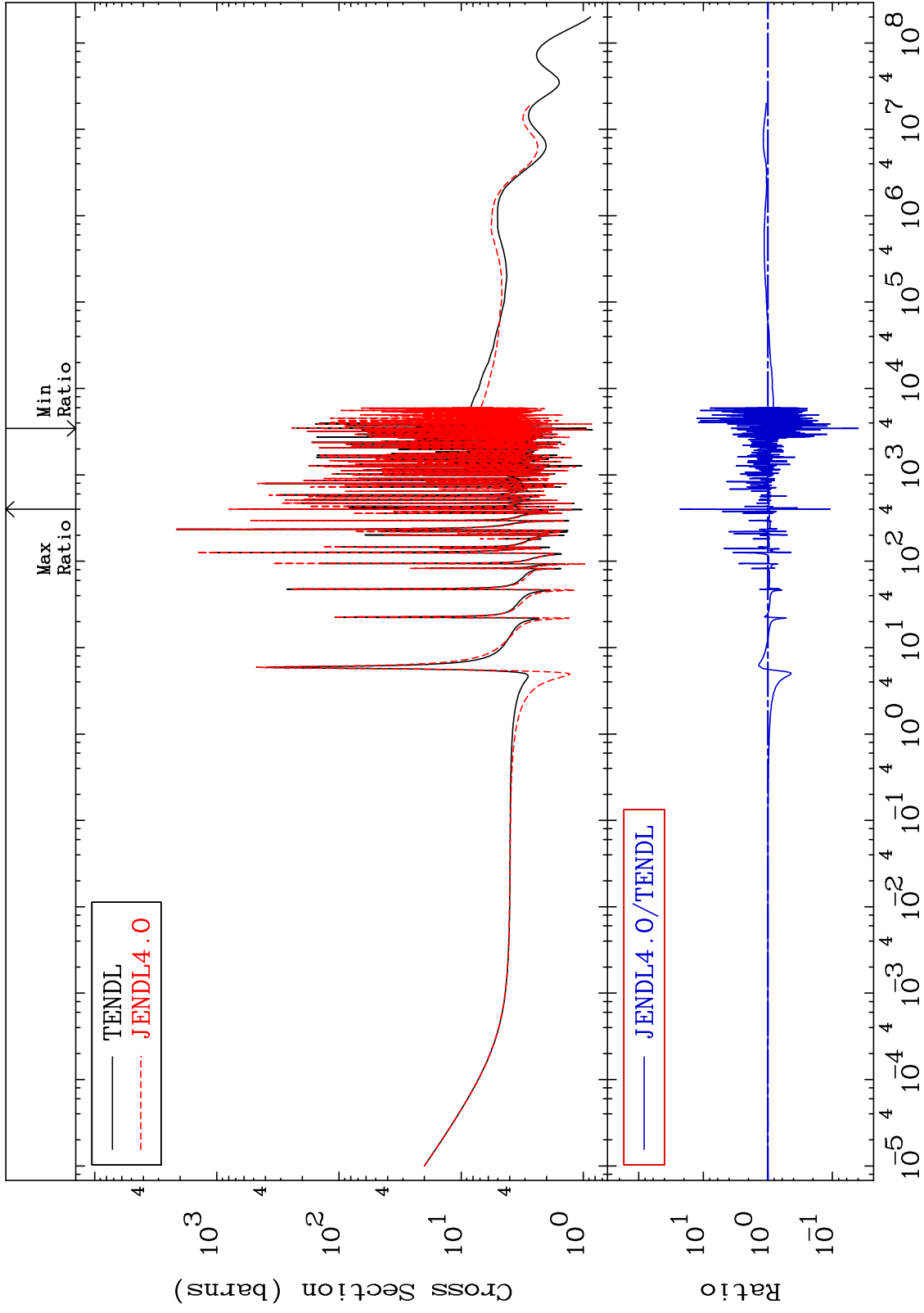
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5525

Elastic
Cross Section

55-Cs-133
-96.04 To 2215. %

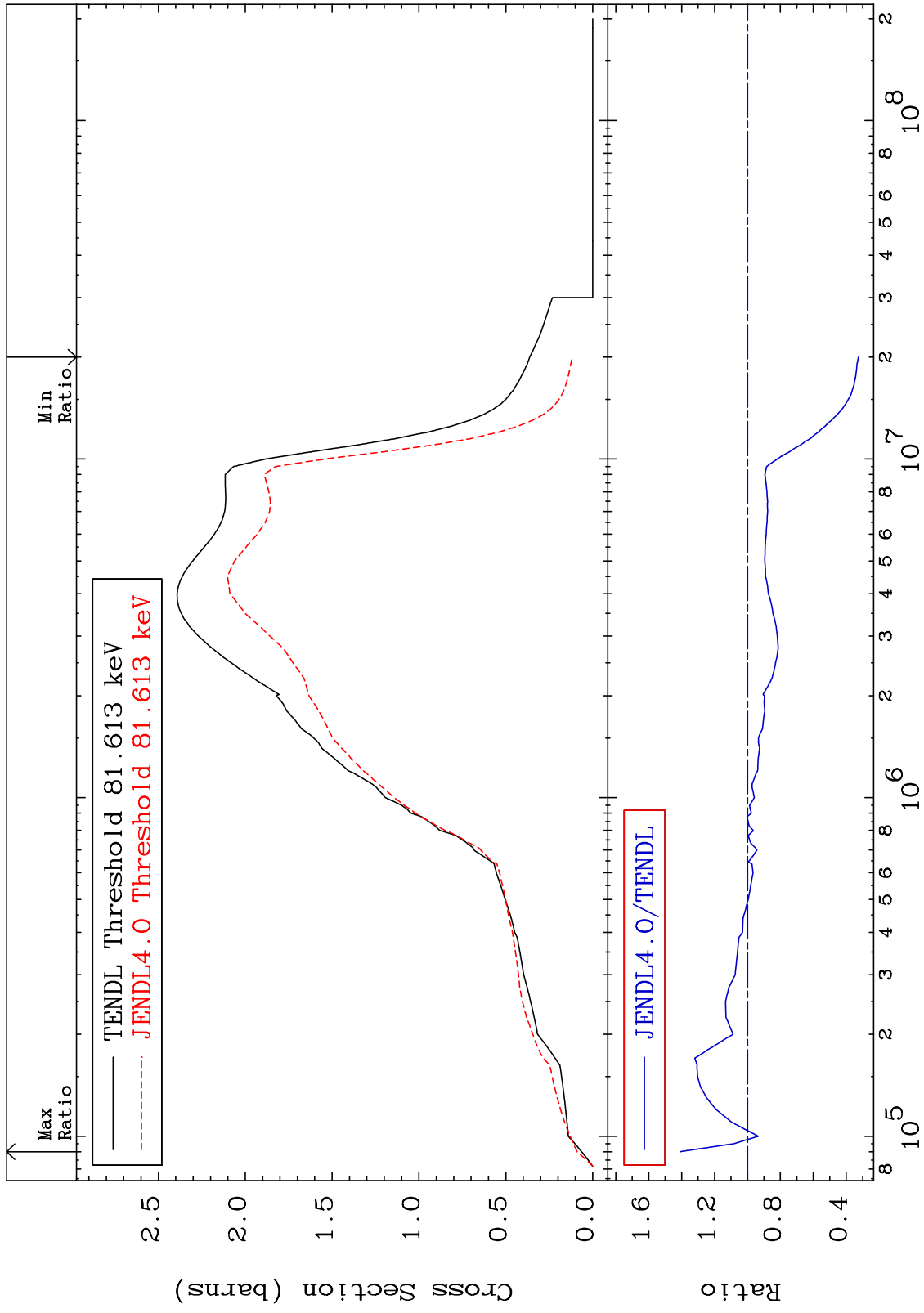


Incident Energy (eV)

55-Cs-133

2

MAT 5525 Inelastic Cross Section 55-Cs-133 -67.40 To 40.97 %



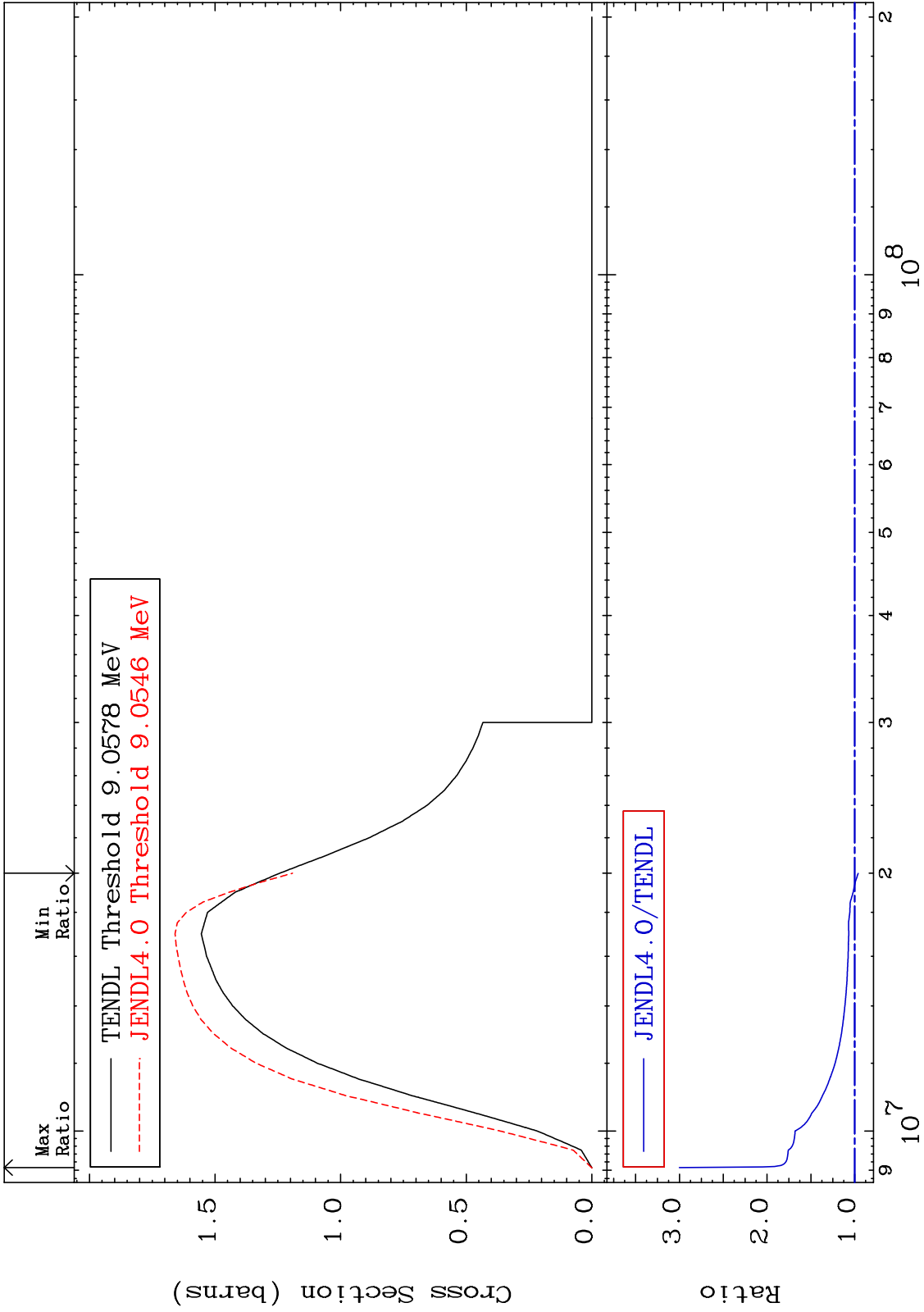
MAT 5525

(n,2n)

55-Cs-133

Cross Section

-4.098 To 200.1 %



55-Cs-133

Incident Energy (eV)

4

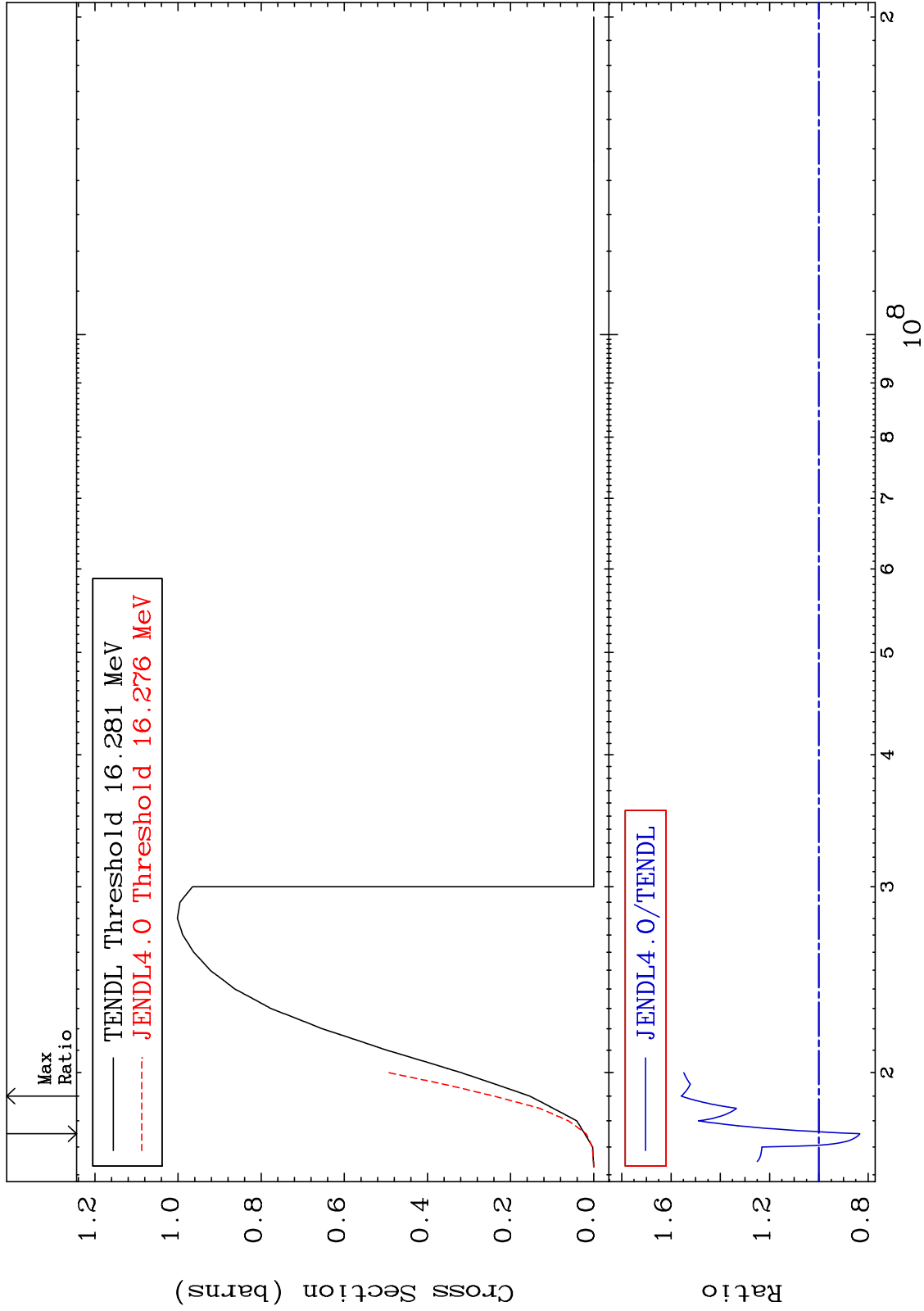
MAT 5525

(n, 3n)

55-Cs-133

Cross Section

-16.68 To 55.86 %



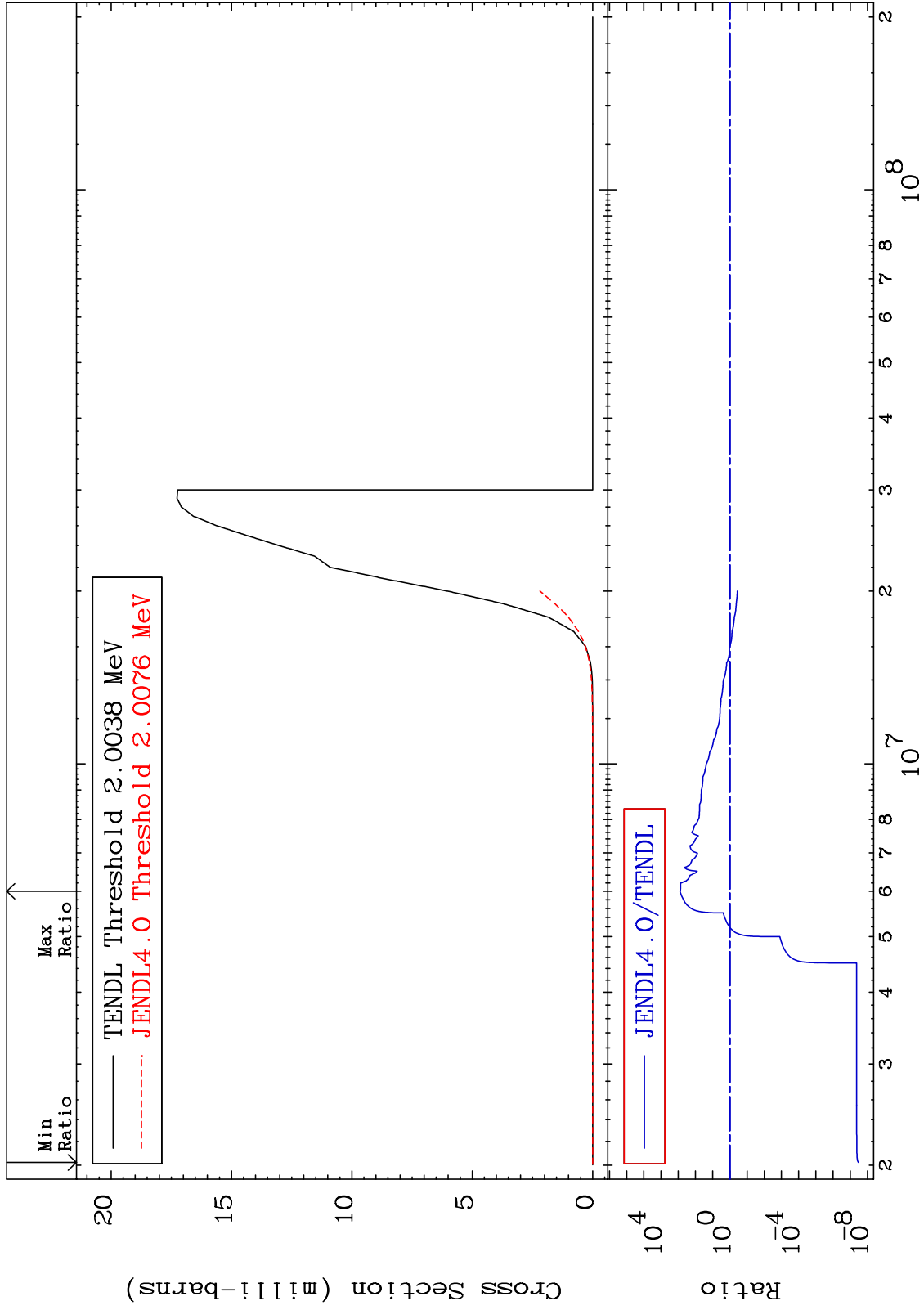
MAT 5525

(n,n') α

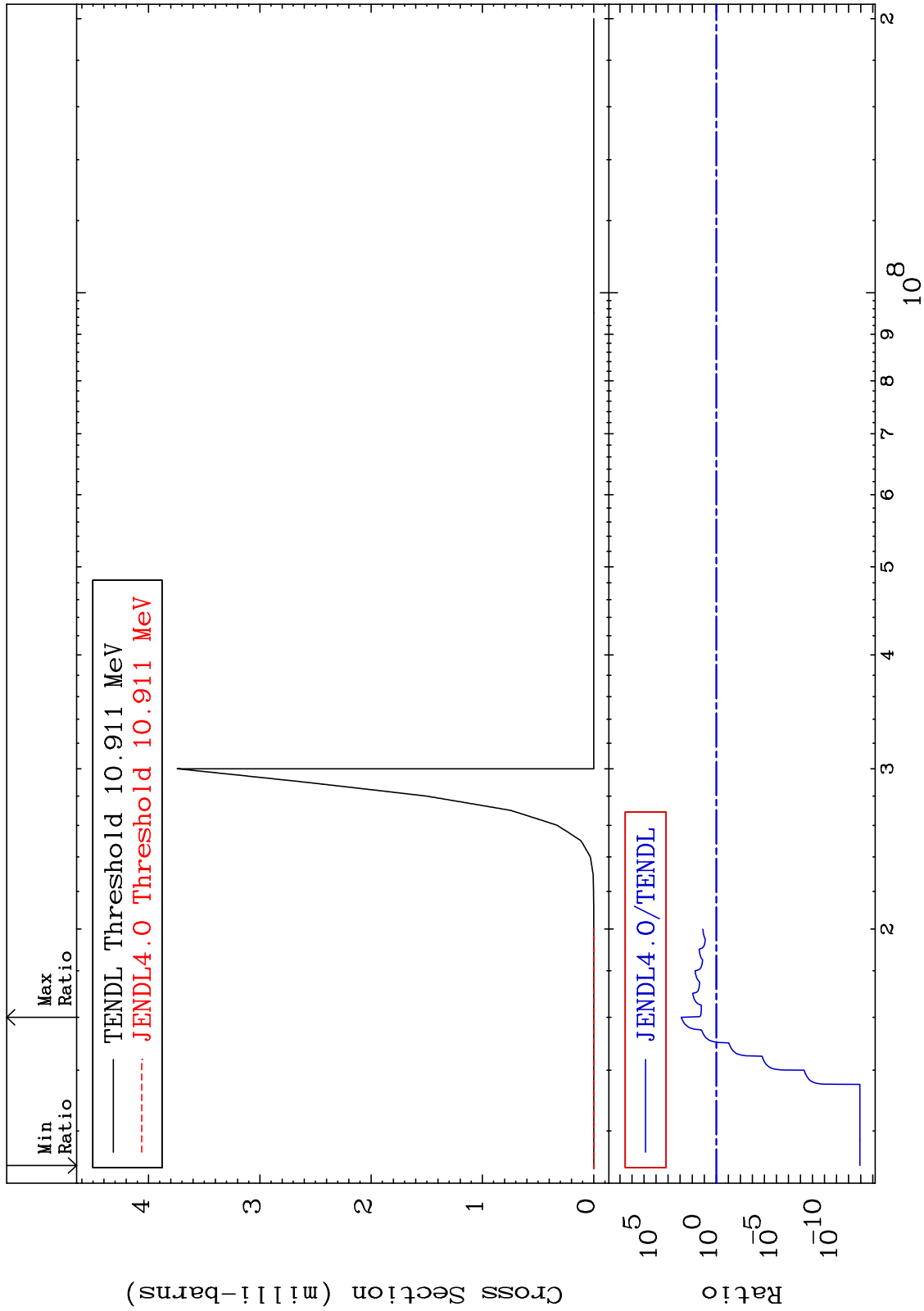
55-Cs-133

-100.0 To 9999. %

Cross Section



MAT 5525 (n,2n) α 55-Cs-133
 Cross Section -100.0 To 9999. %



55-Cs-133

Incident Energy (eV)

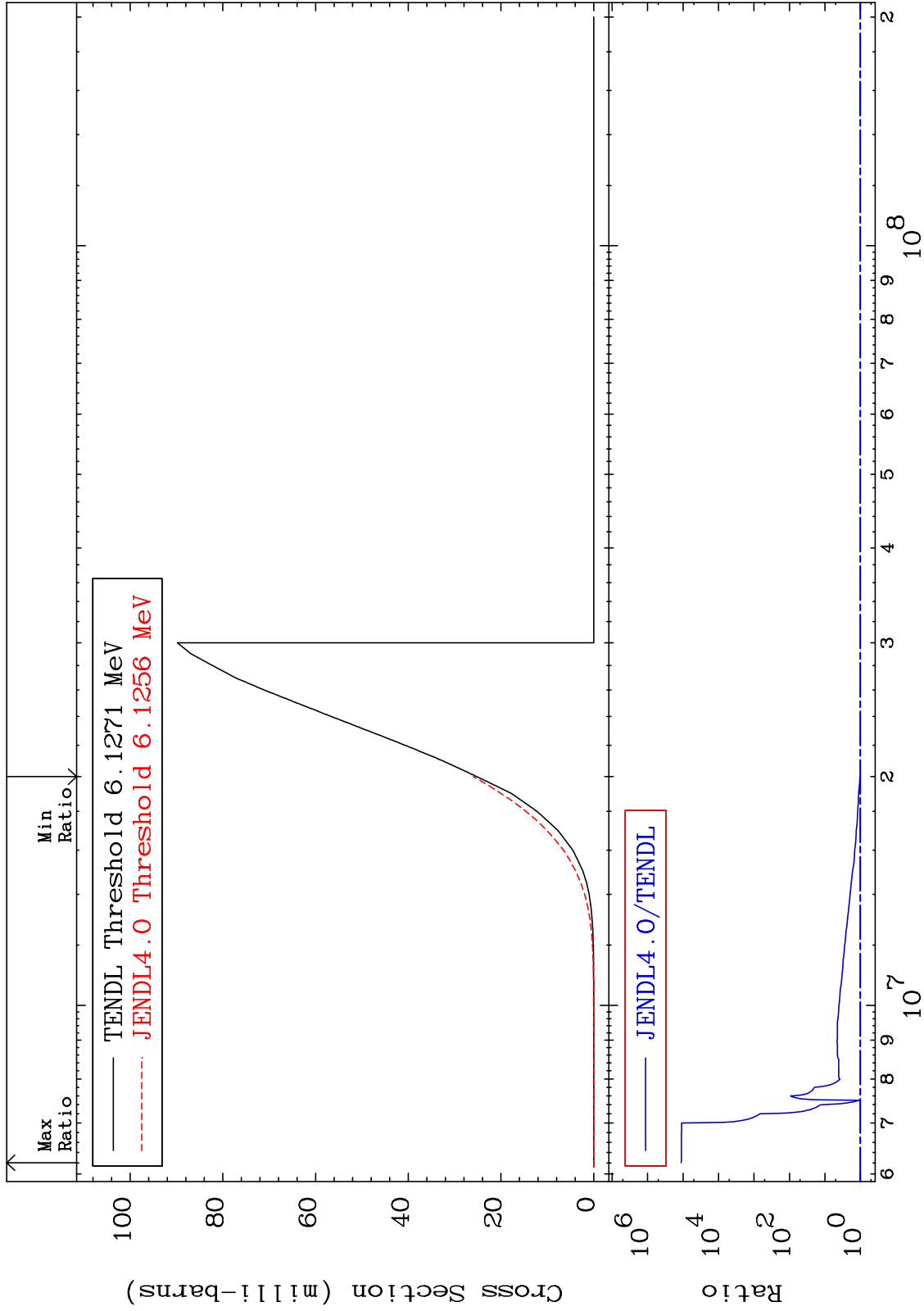
MAT 5525

(n,n') p

55-Cs-133

Cross Section

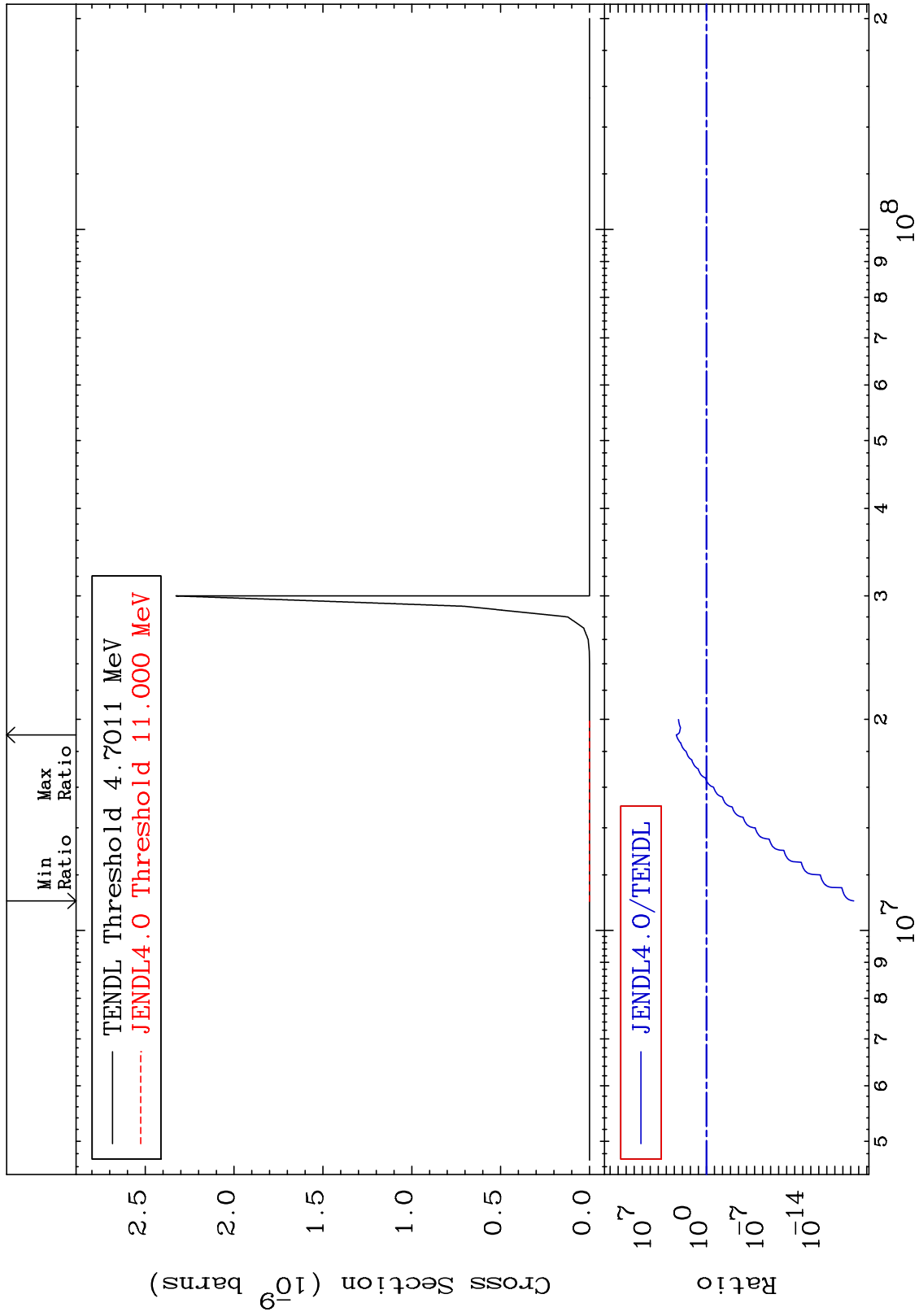
2.886 To 9999. %



MAT 5525

(n, n') 2α
Cross Section

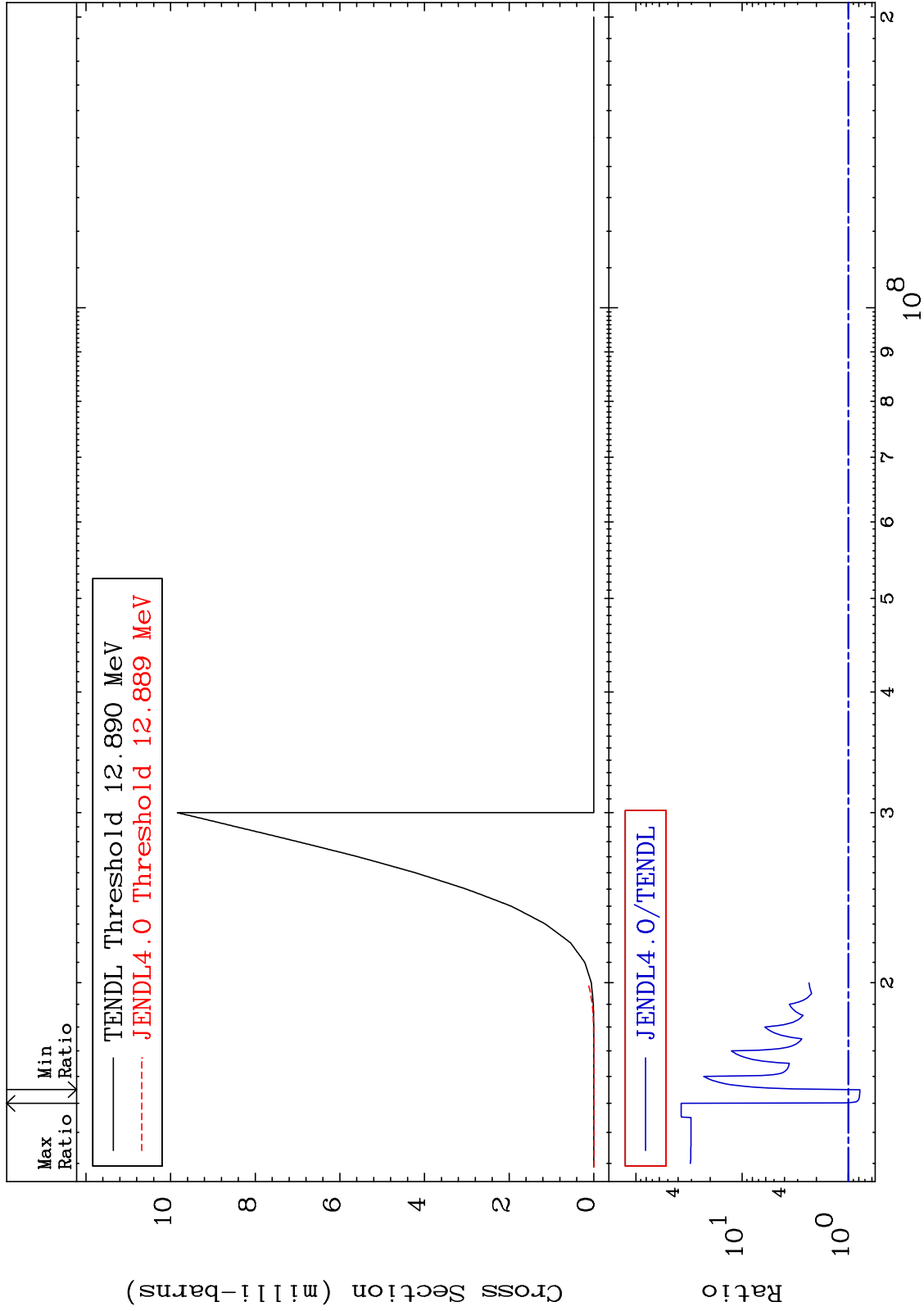
55-Cs-133
-100.0 To 9999. %



9

Incident Energy (eV)

55-Cs-133



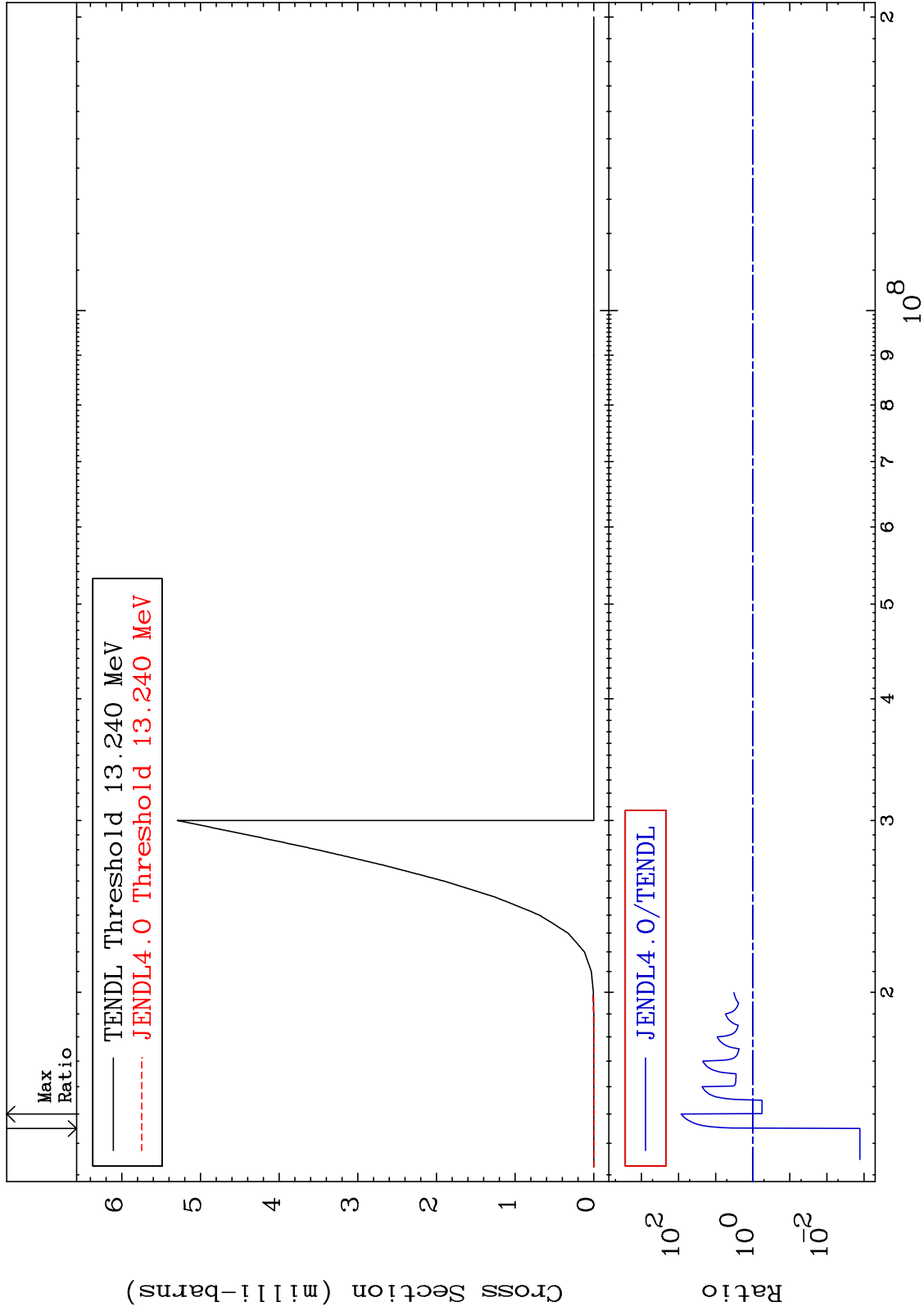
MAT 5525

(n,n') t

55-Cs-133

Cross Section

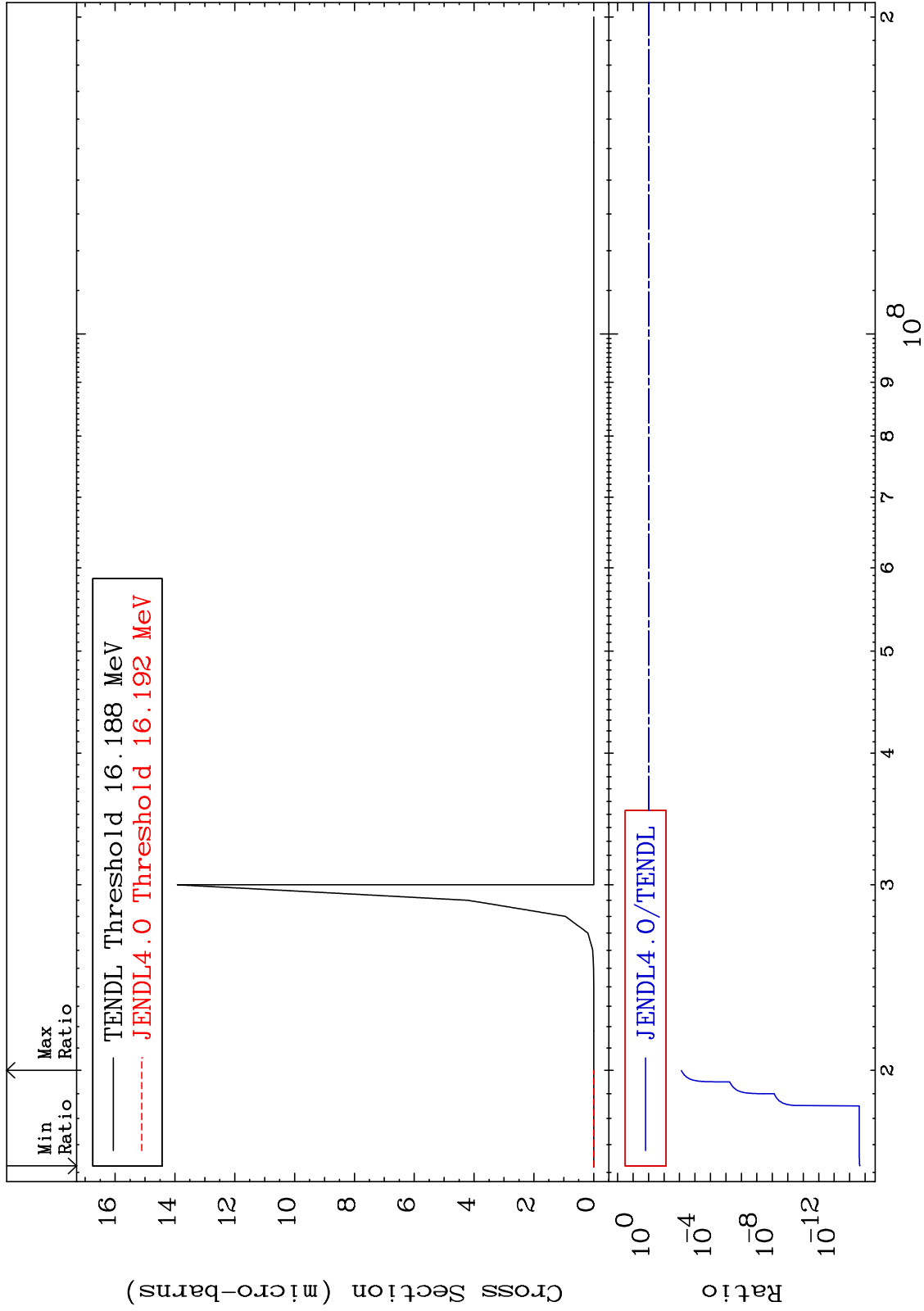
-99.87 To 8351. %



MAT 5525

(n, n') He-3
Cross Section

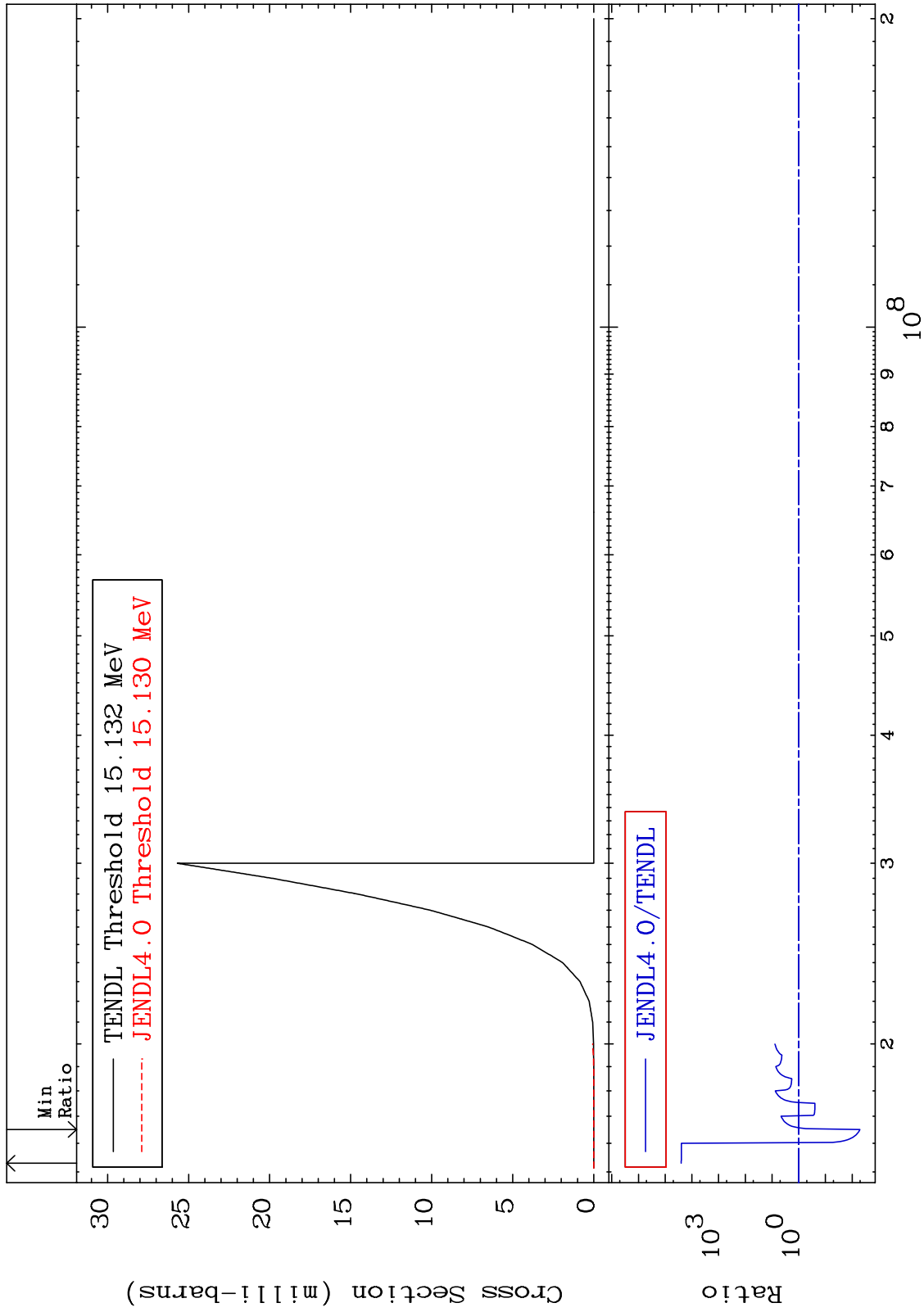
55-Cs-133
-100.0 To -99.23%



MAT 5525

(n,2n) p
Cross Section

55-Cs-133
-99.49 To 9999. %



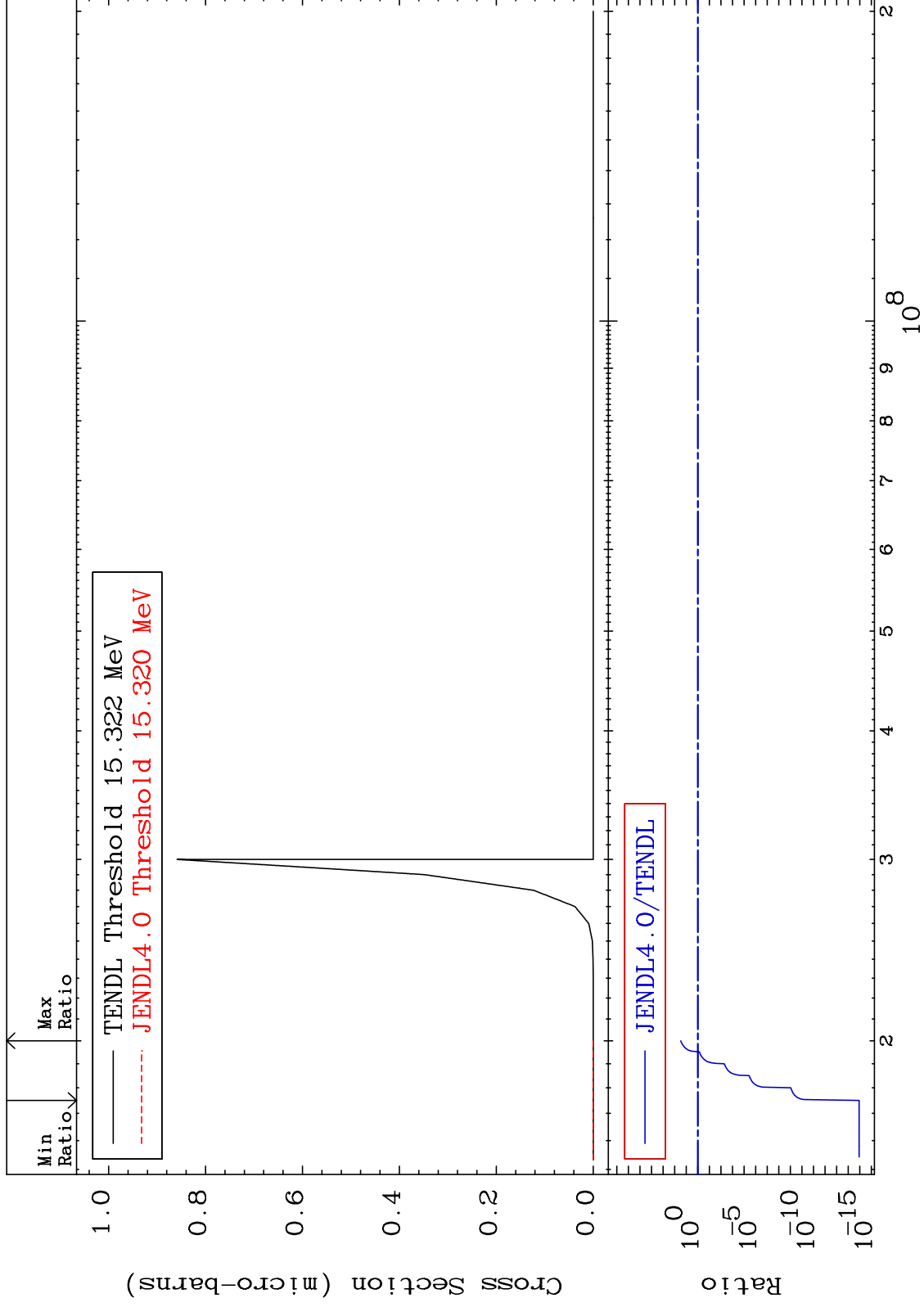
MAT 5525

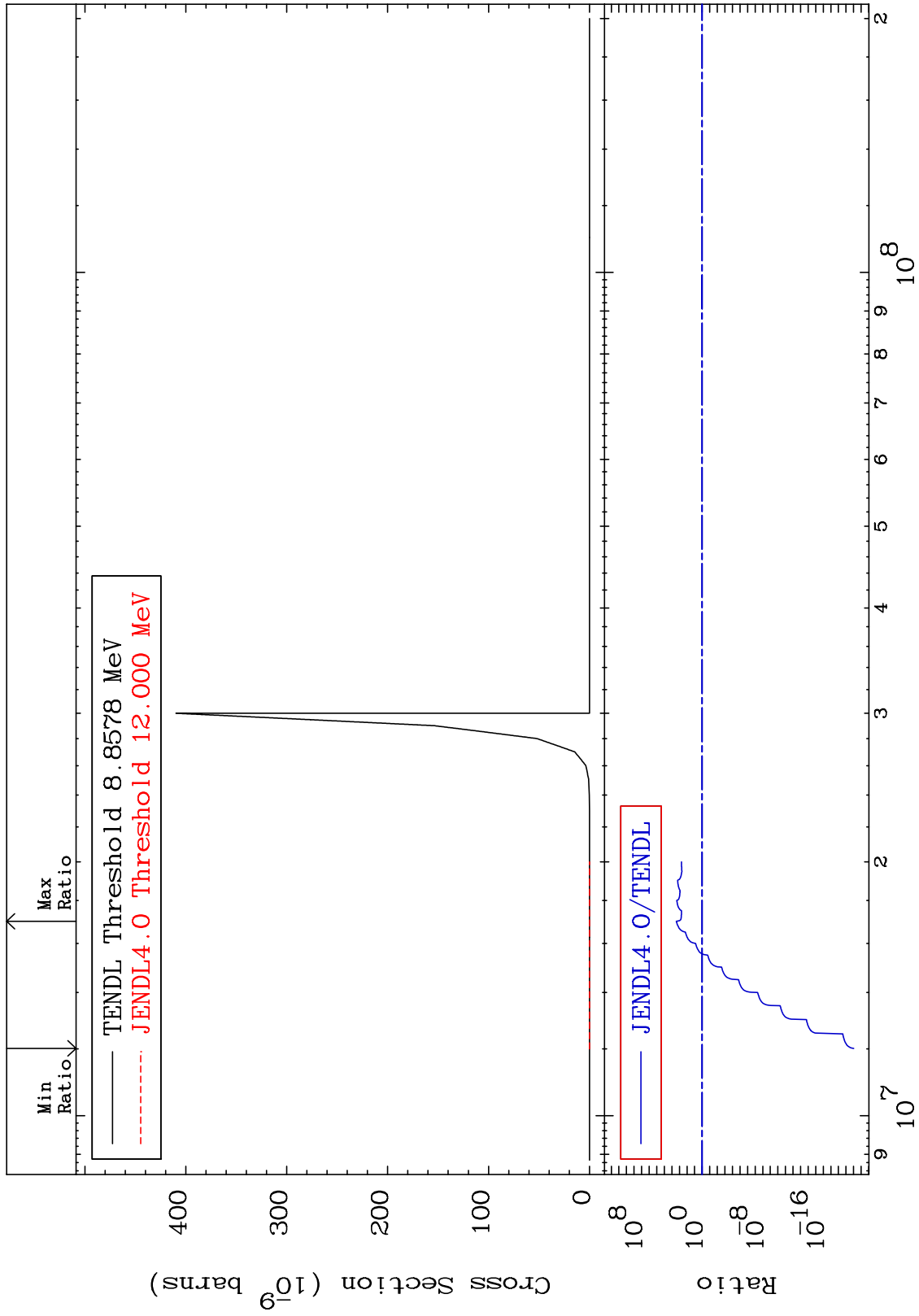
(n,2n) p

55-Cs-133

Cross Section

-100.0 To 2982. %

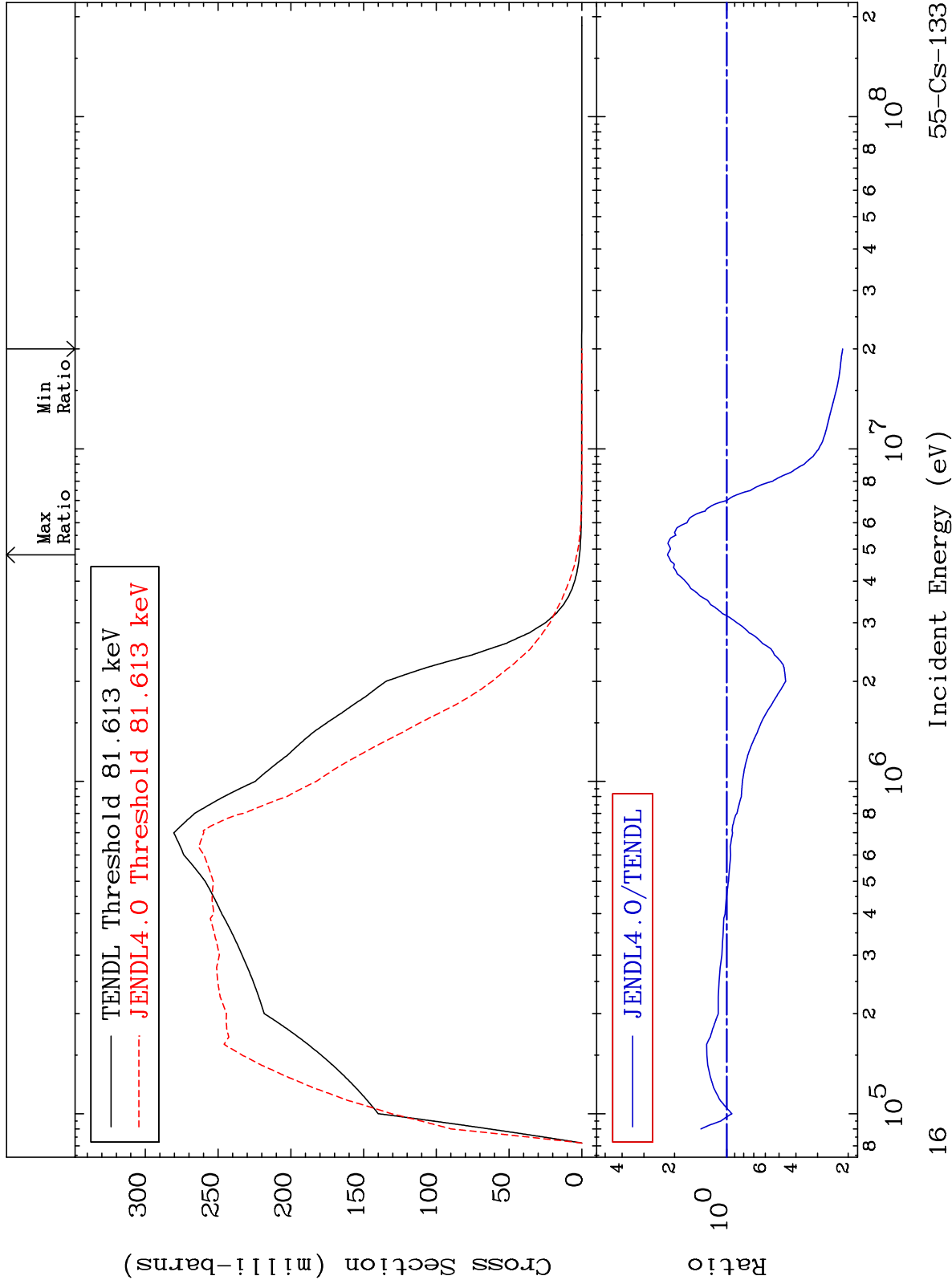




MAT 5525

MT= 51 (n,n') Level
Cross Section

55-Cs-133
-78.46 To 119.2 %



55-Cs-133

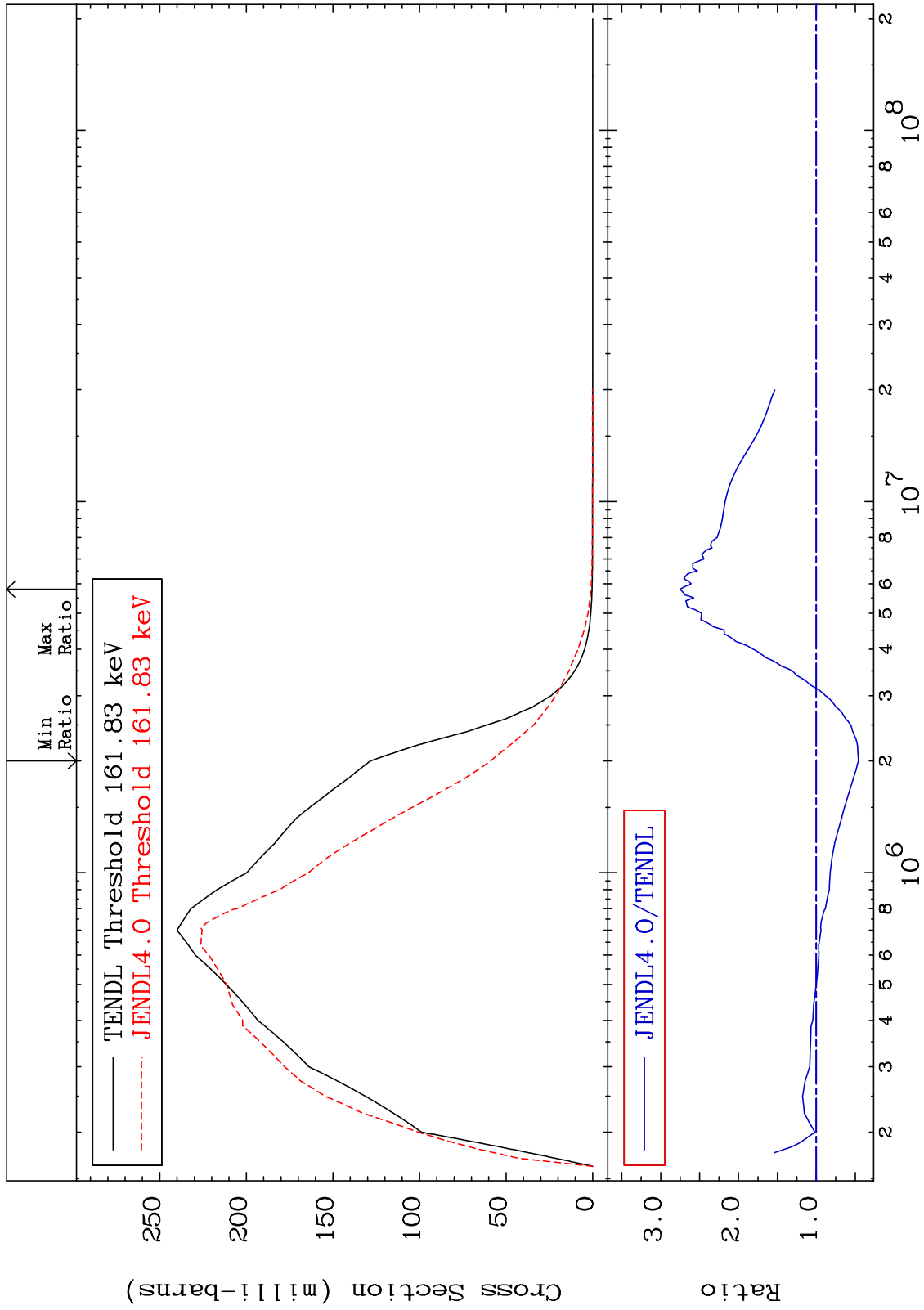
Incident Energy (eV)

16

MAT 5525

MT= 52 (n,n') Level
Cross Section

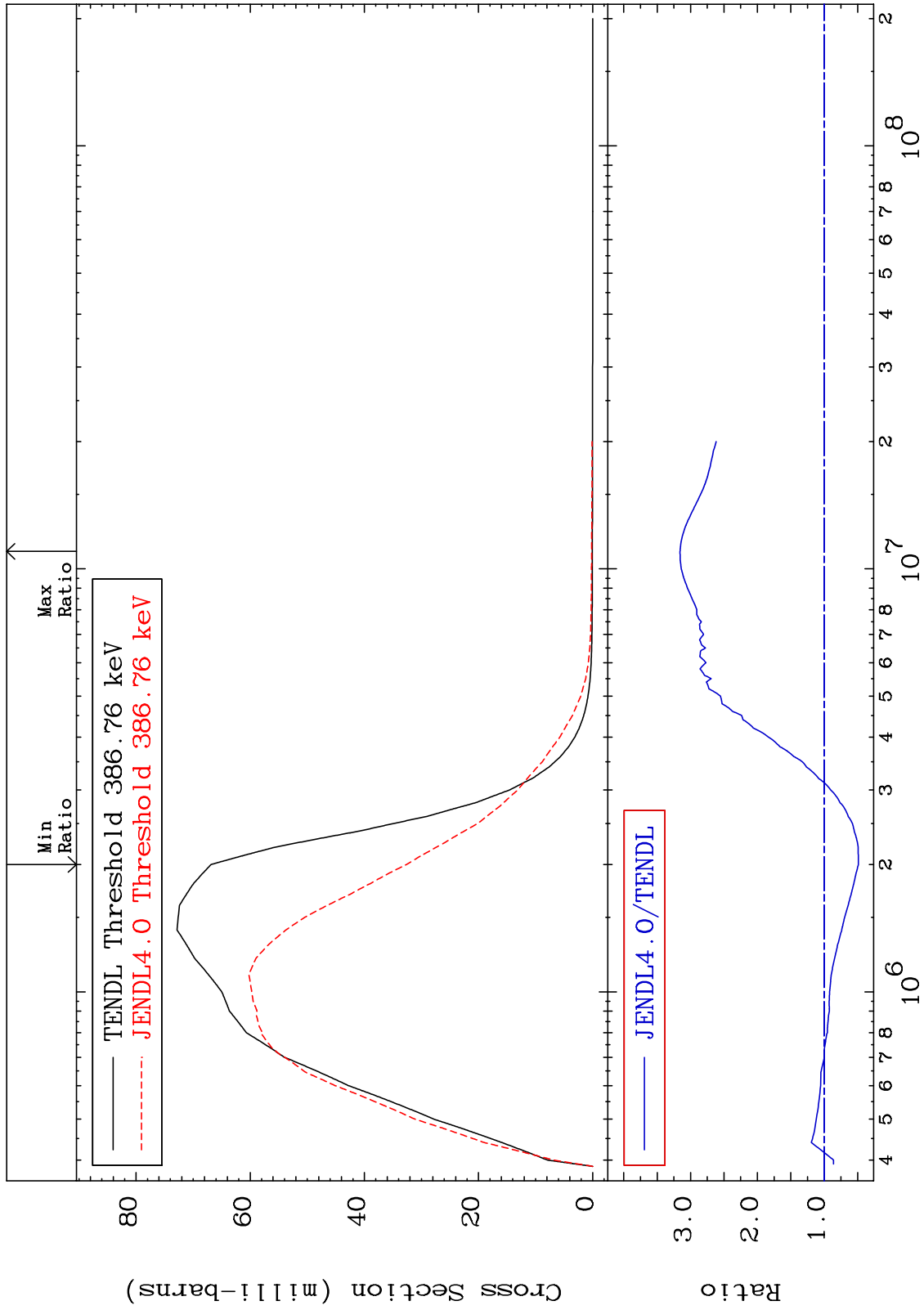
55-Cs-133
-54.07 To 175.1 %



MAT 5525

MT= 53 (n,n') Level
Cross Section

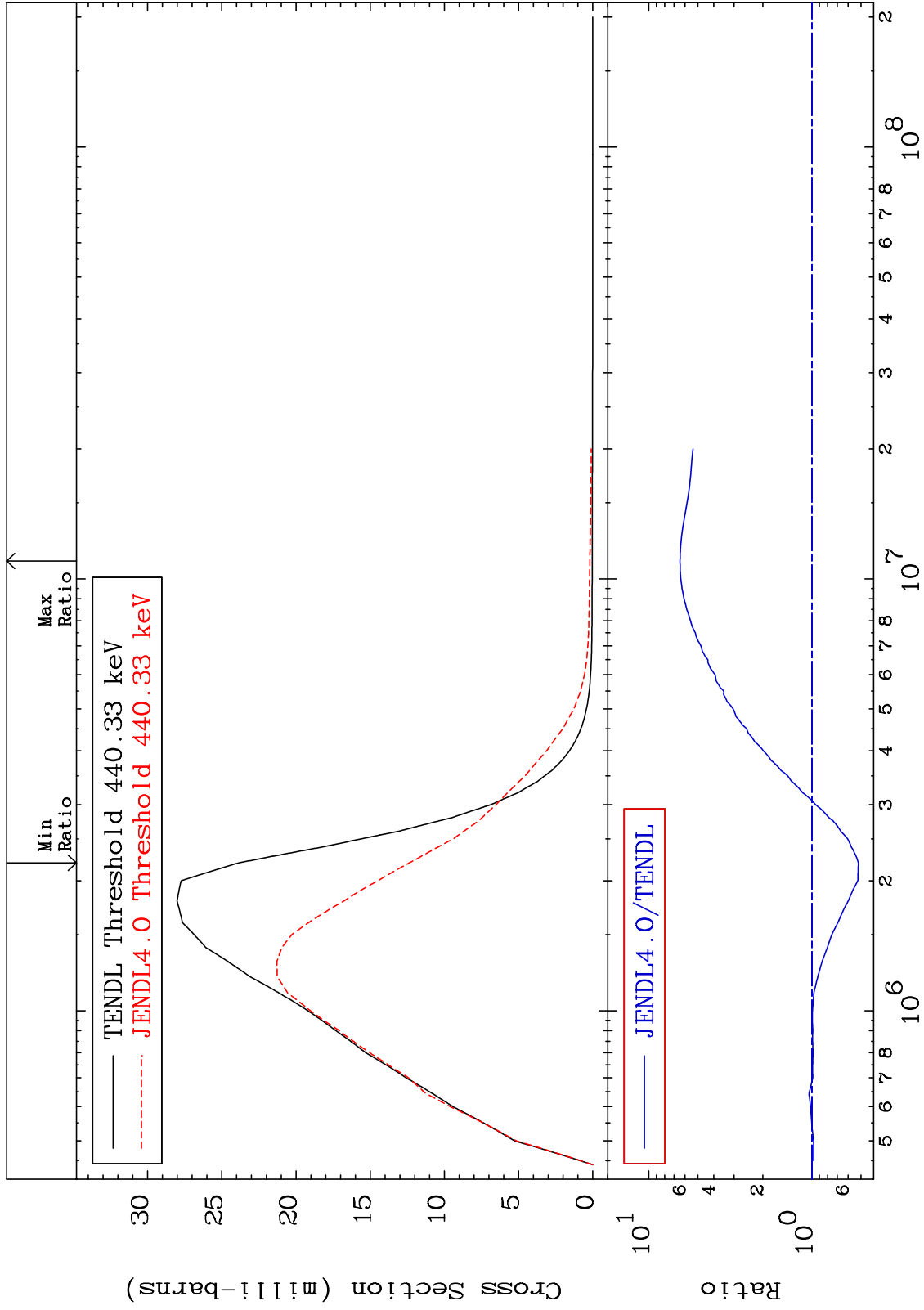
55-Cs-133
-51.19 To 215.8 %



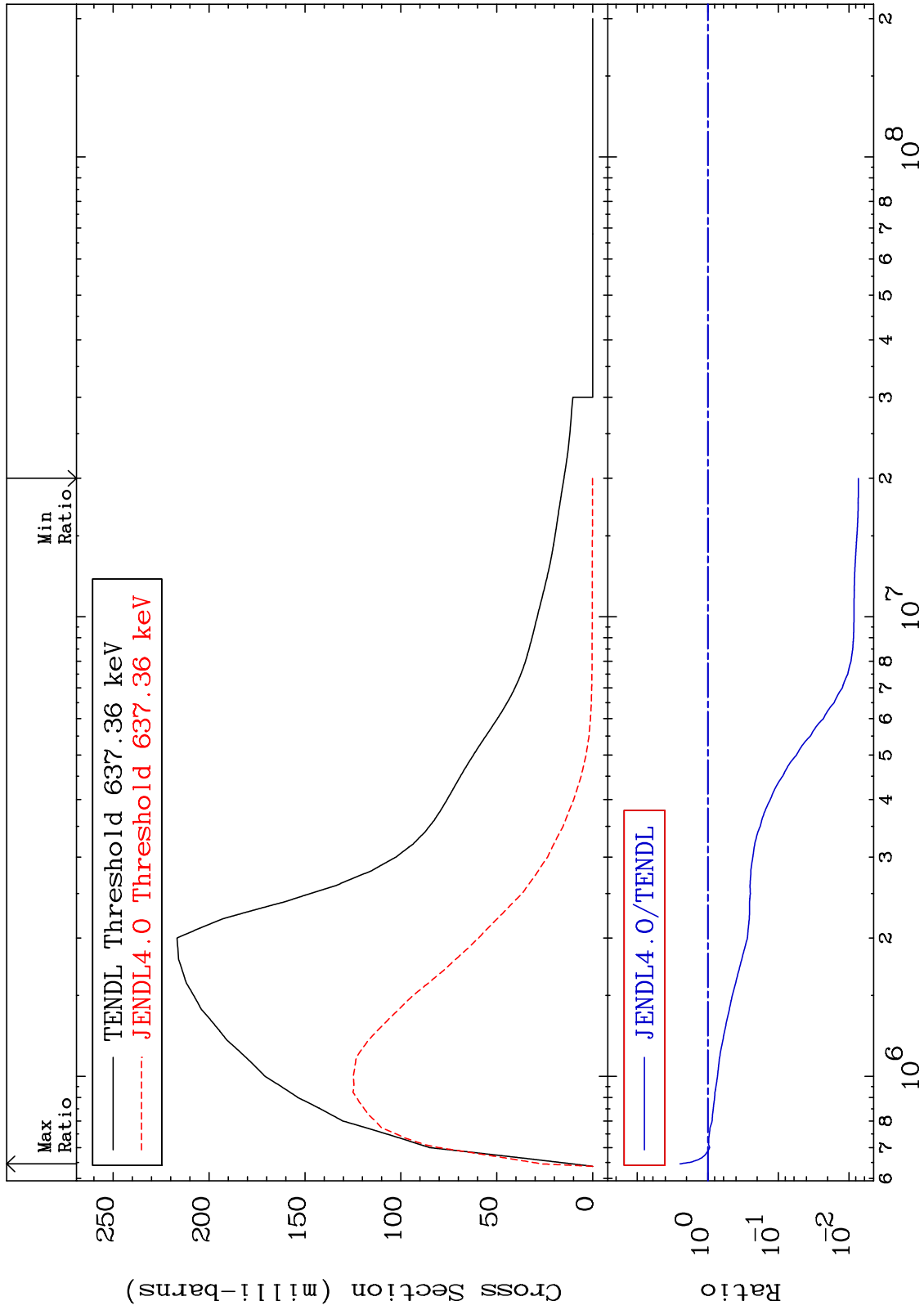
MAT 5525

MT= 54 (n,n') Level
Cross Section

55-Cs-133
-48.19 To 543.9 %



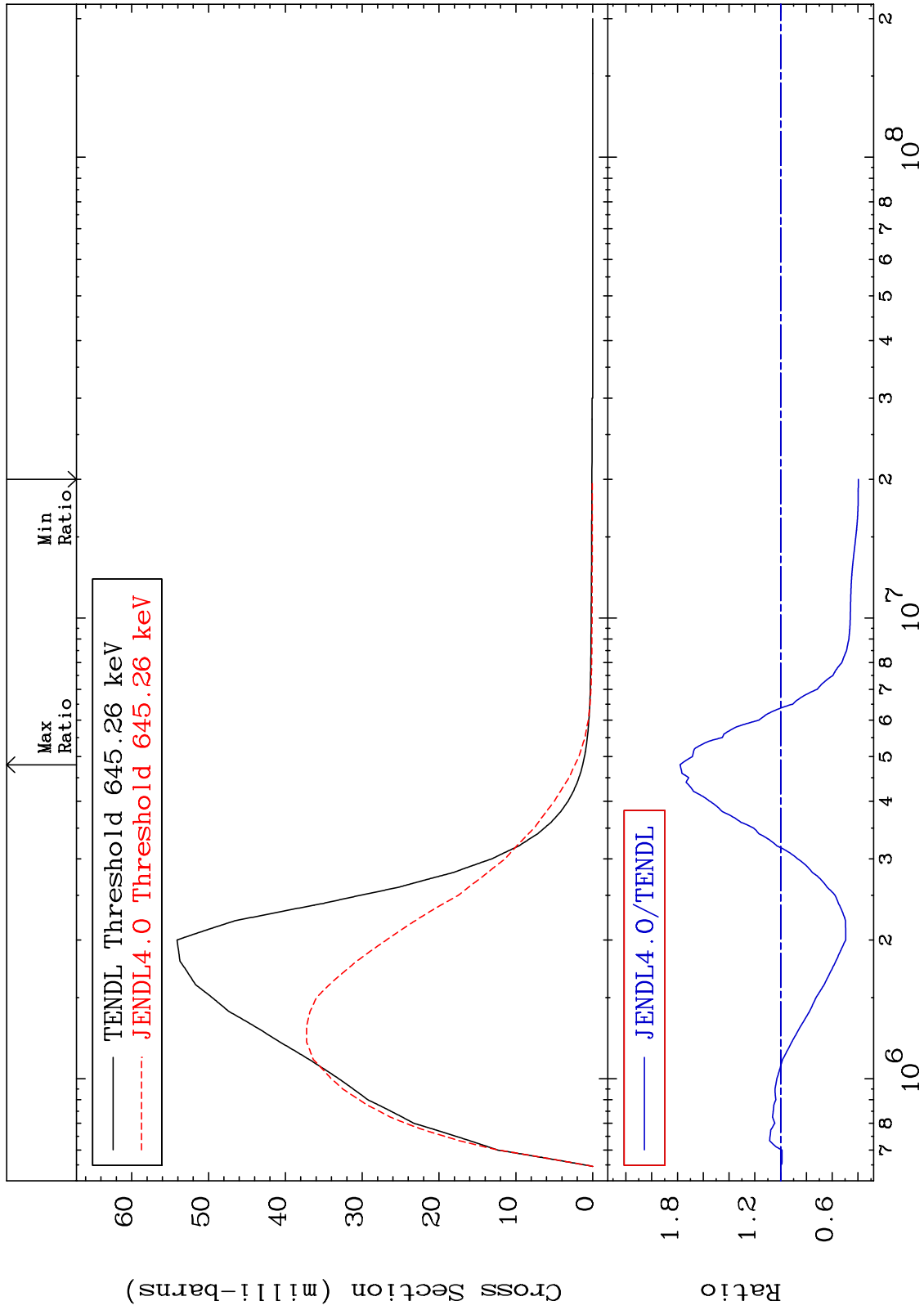
MAT 5525 MT= 55 (n,n') Level Cross Section 55-Cs-133 -99.27 To 147.9 %



MAT 5525

MT= 56 (n,n') Level
Cross Section

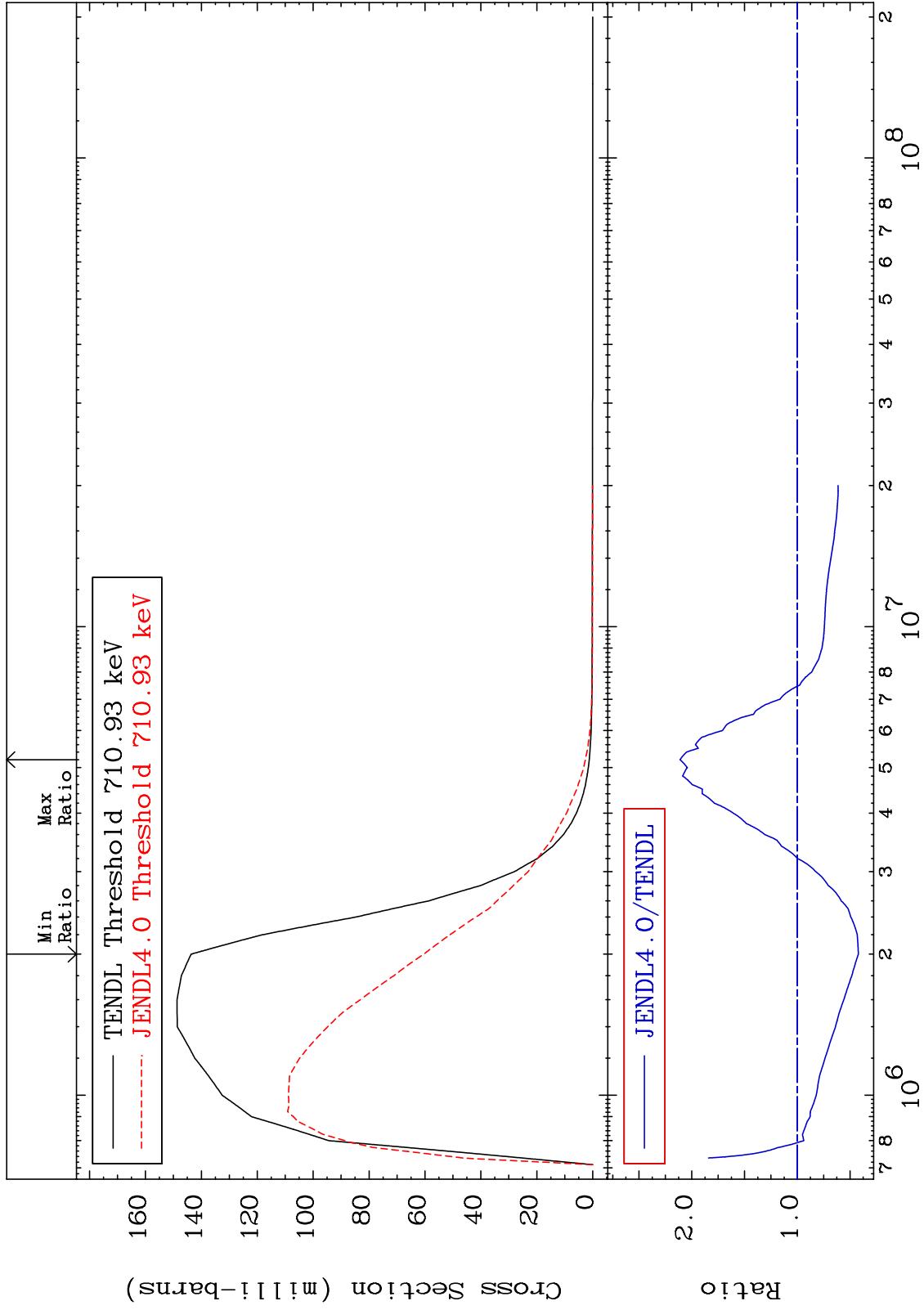
55-Cs-133
-60.29 To 78.03 %



MAT 5525

MT= 57 (n, n') Level
Cross Section

55-Cs-133
-57.93 To 111.2 %



22

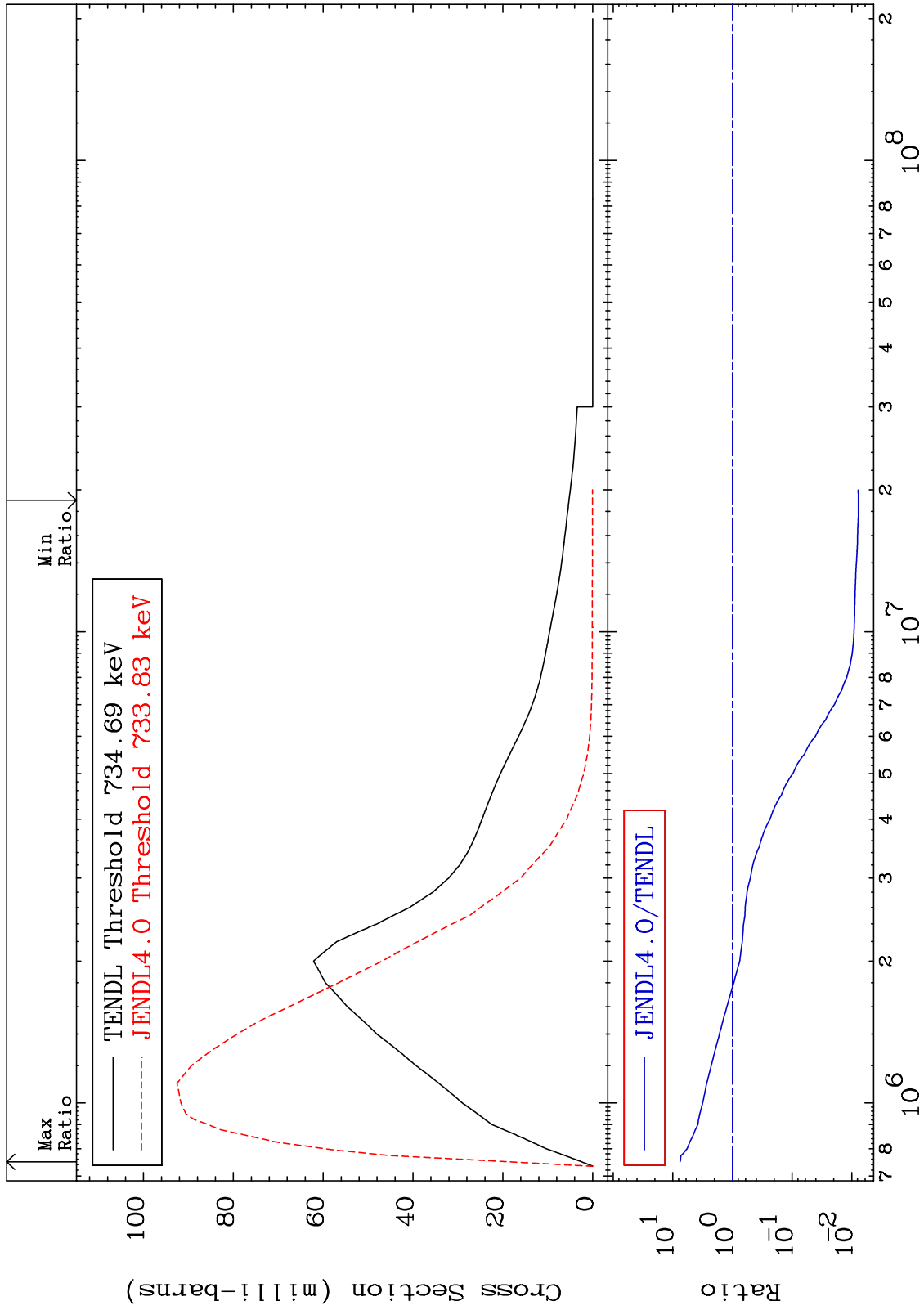
Incident Energy (eV)

55-Cs-133

MAT 5525

MT= 58 (n,n') Level
Cross Section

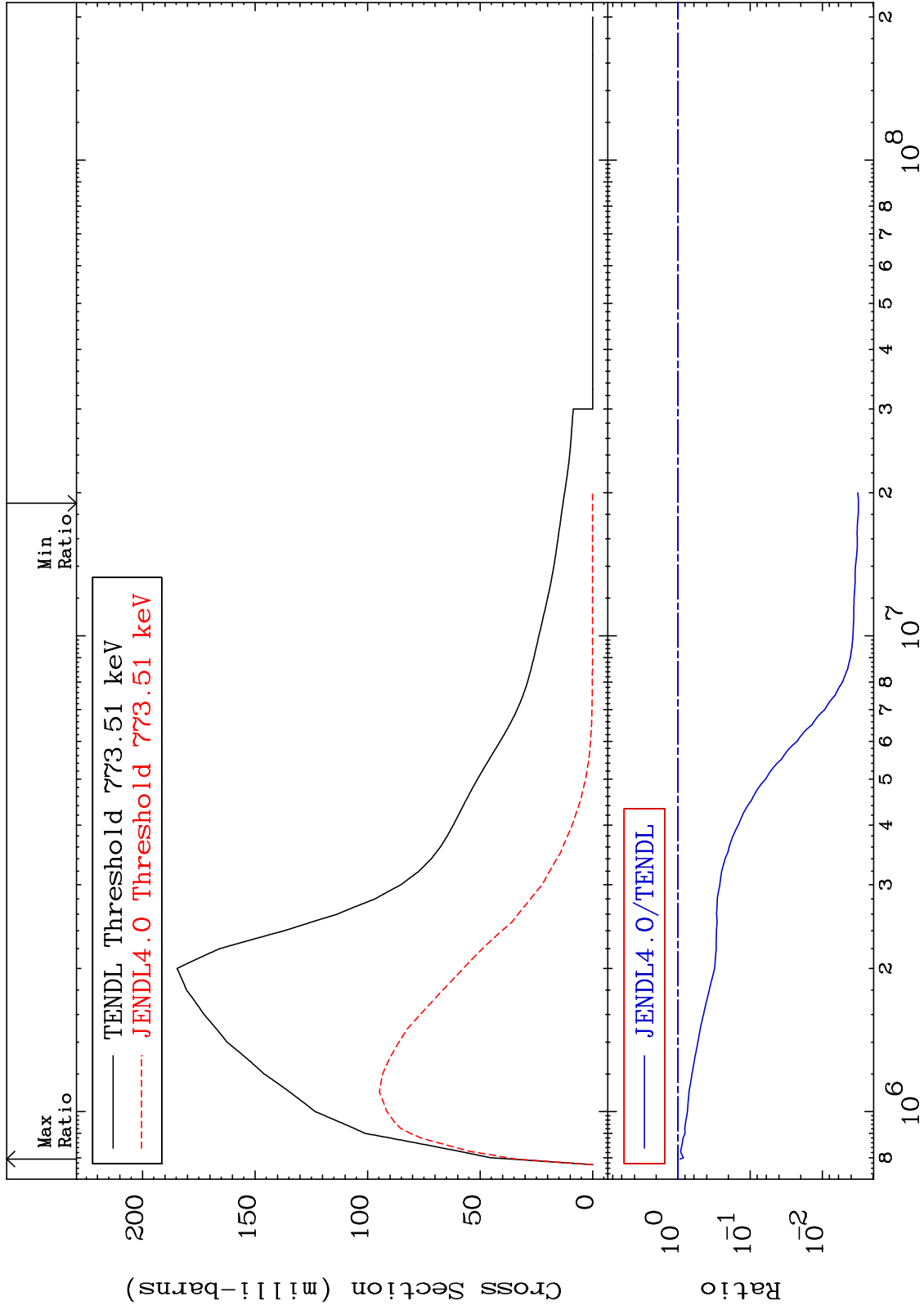
55-Cs-133
-99.23 To 657.0 %



MAT 5525

MT= 59 (n,n') Level
Cross Section

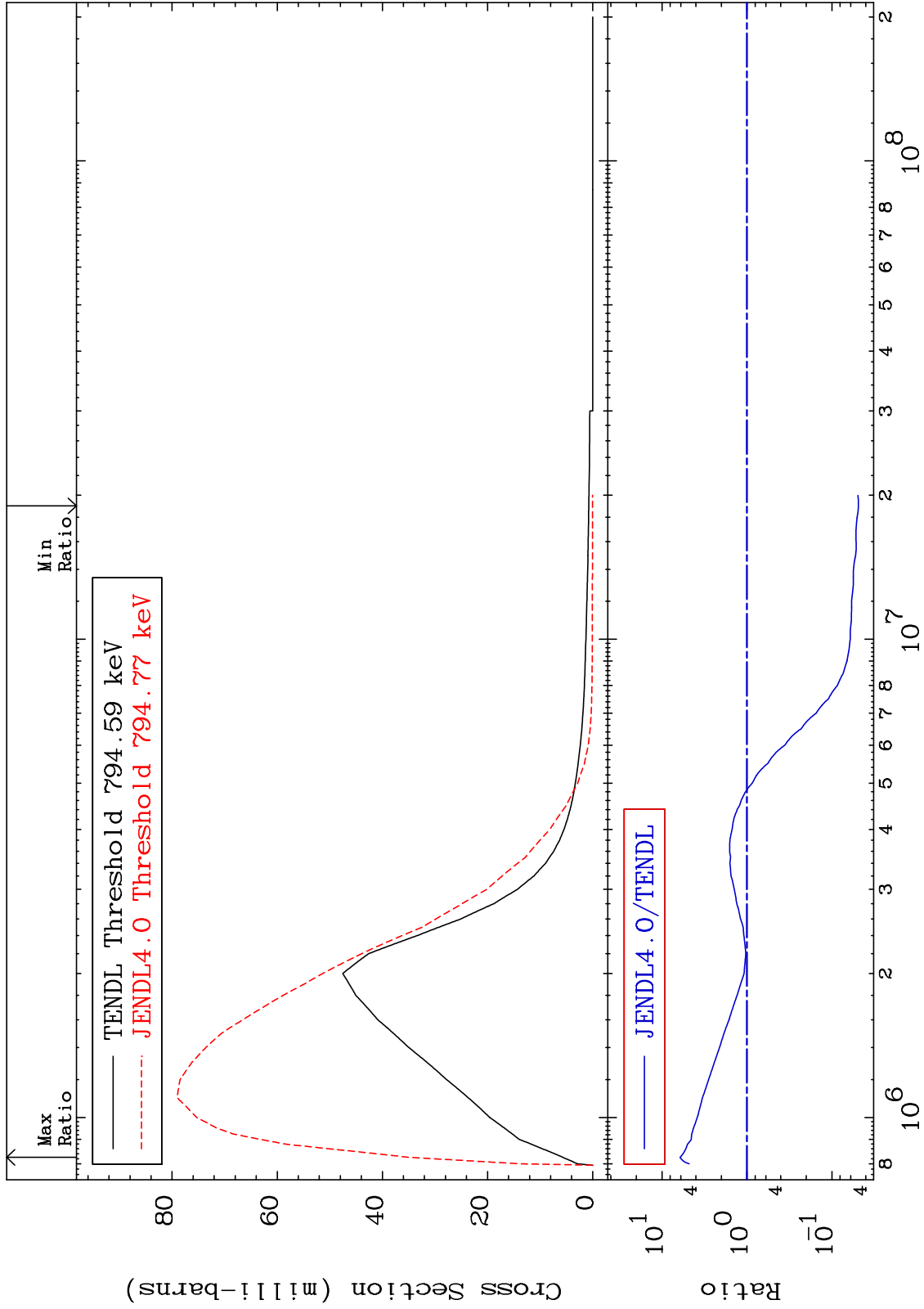
55-Cs-133
-99.68 To -6.270%



MAT 5525

MT= 60 (n,n') Level
Cross Section

55-Cs-133
-95.13 To 513.3 %



25

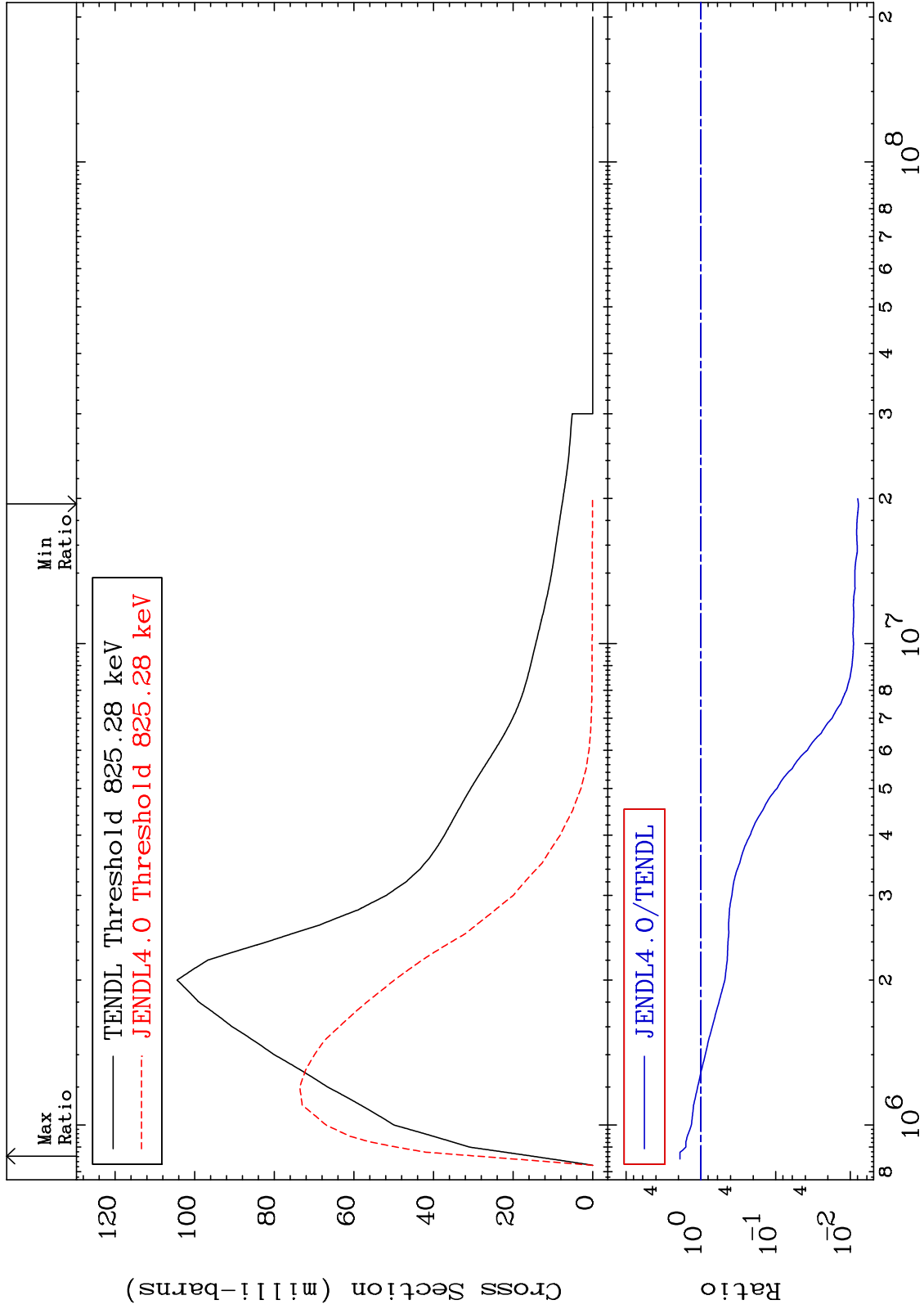
Incident Energy (eV)

55-Cs-133

MAT 5525

MT= 61 (n,n') Level
Cross Section

55-Cs-133
-99.22 To 90.25 %



26

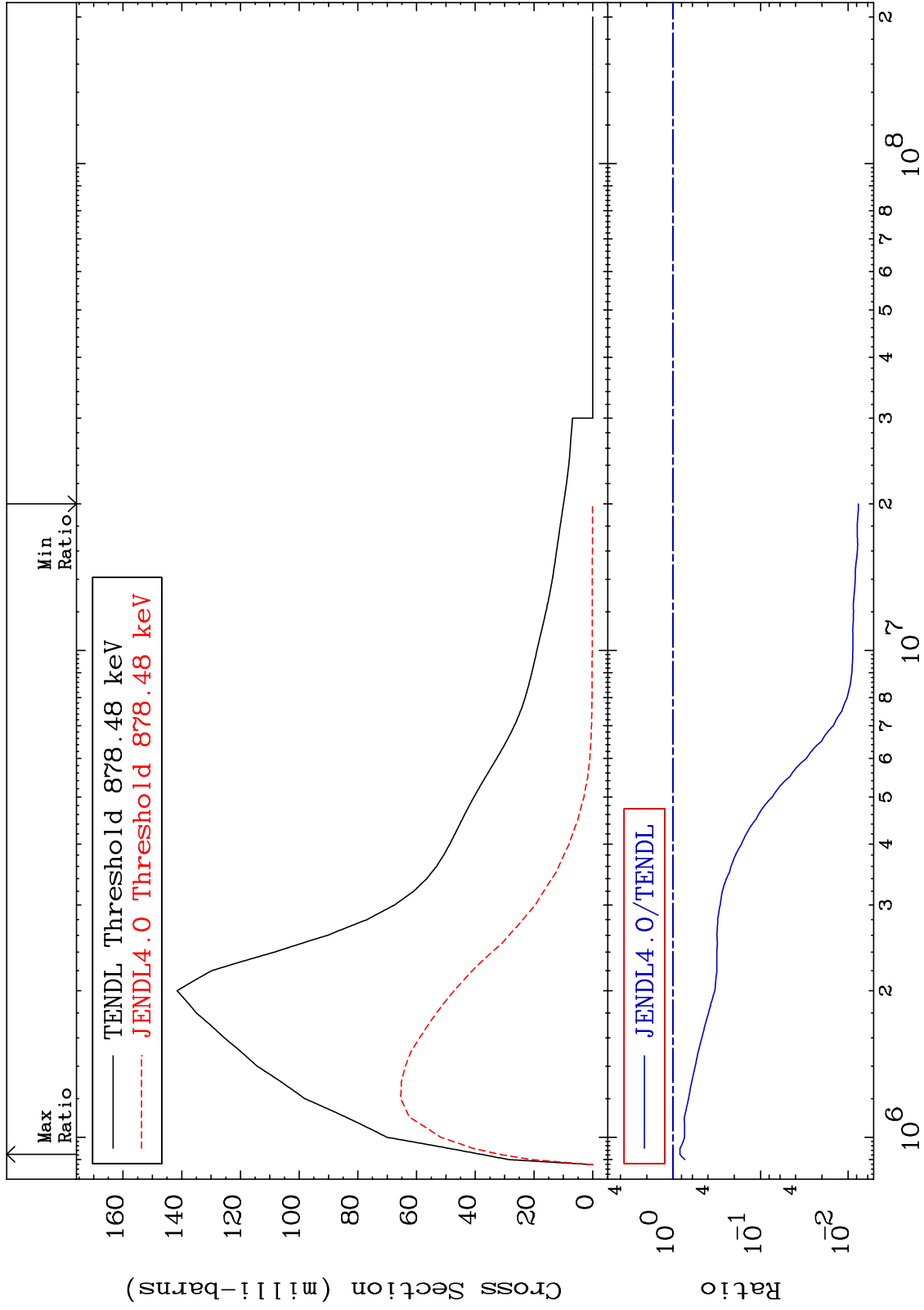
Incident Energy (eV)

55-Cs-133

MAT 5525

MT= 62 (n,n') Level
Cross Section

55-Cs-133
-99.24 To -16.73%



27

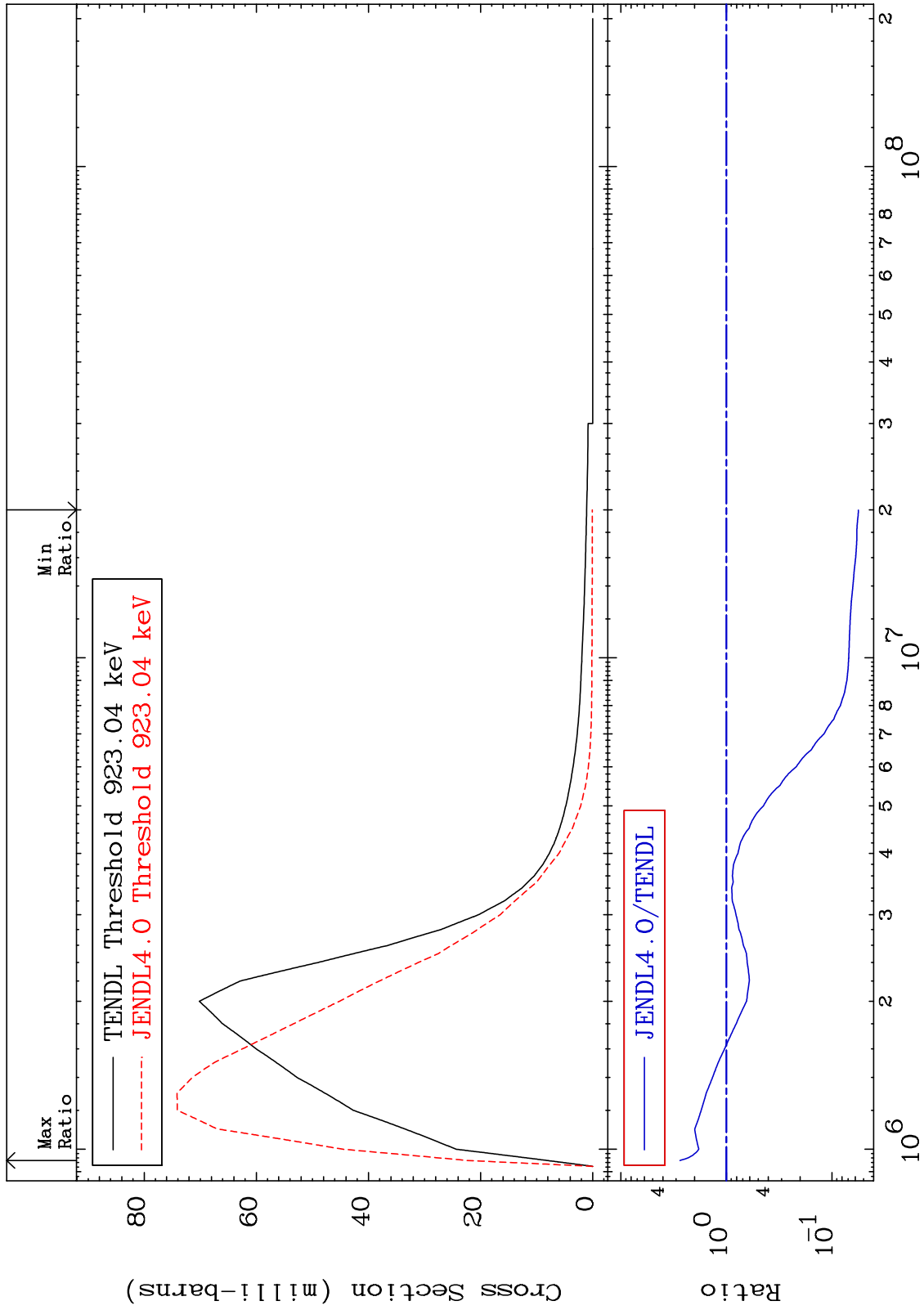
55-Cs-133

55-Cs-133

MAT 5525

MT= 63 (n,n') Level
Cross Section

55-Cs-133
-94.40 To 175.3 %



28

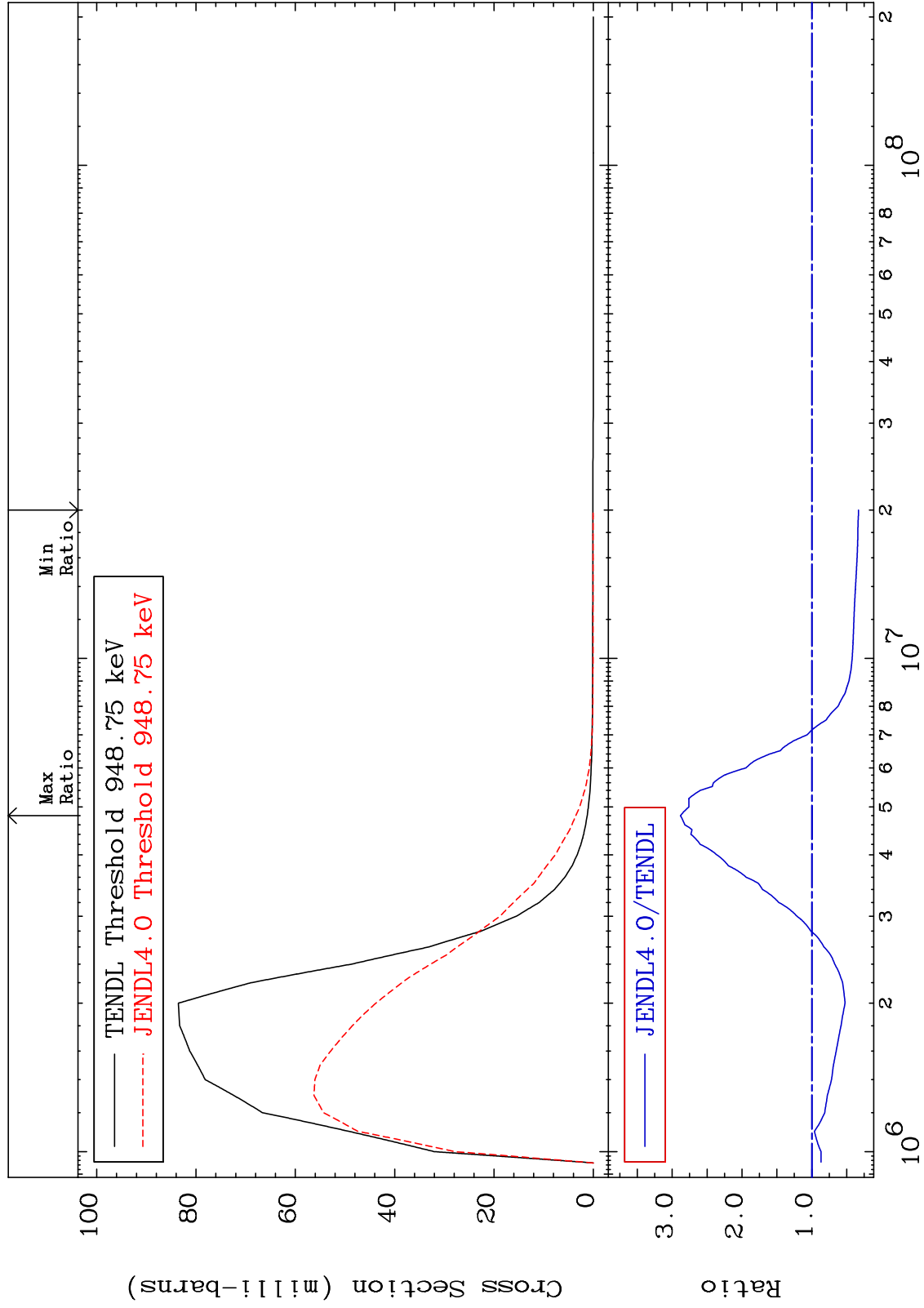
55-Cs-133

55-Cs-133

MAT 5525

MT= 64 (n,n') Level
Cross Section

55-Cs-133
-66.91 To 188.1 %



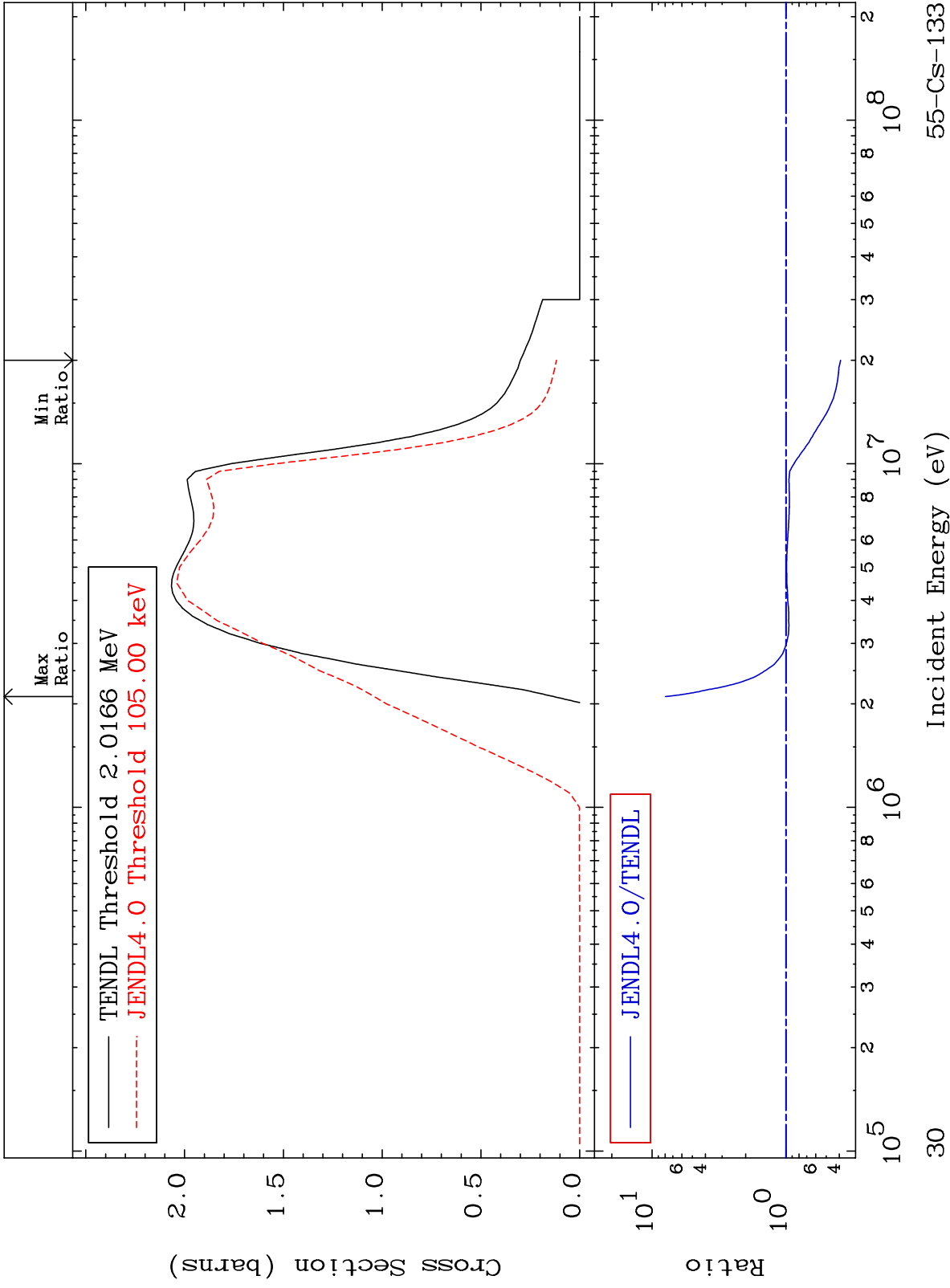
29

55-Cs-133

MAT 5525

(n, n') Continuum
Cross Section

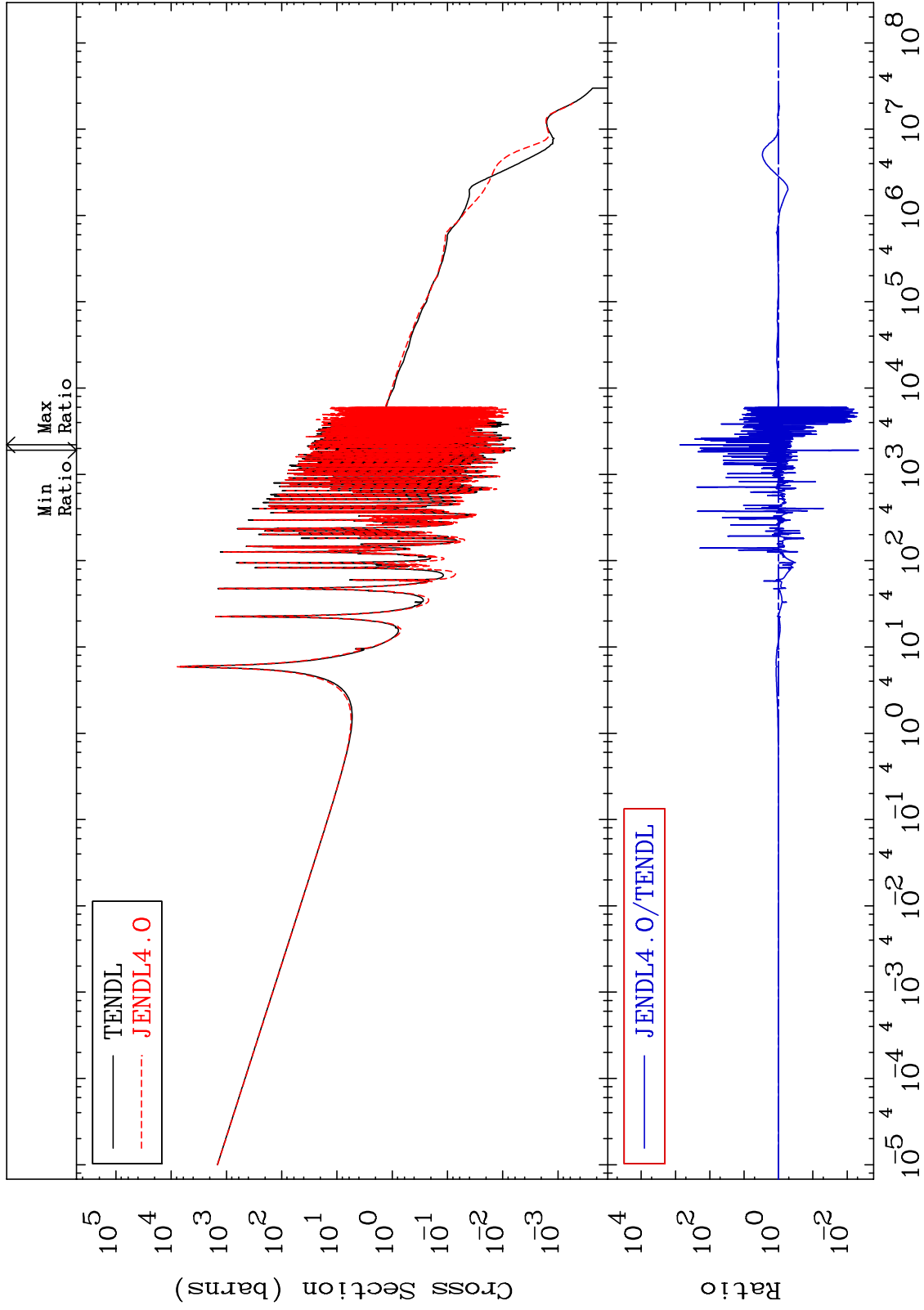
55-Cs-133
-60.90 To 695.5 %



MAT 5525

55-Cs-133

(n, γ)
Cross Section
-99.53 To 9999. %



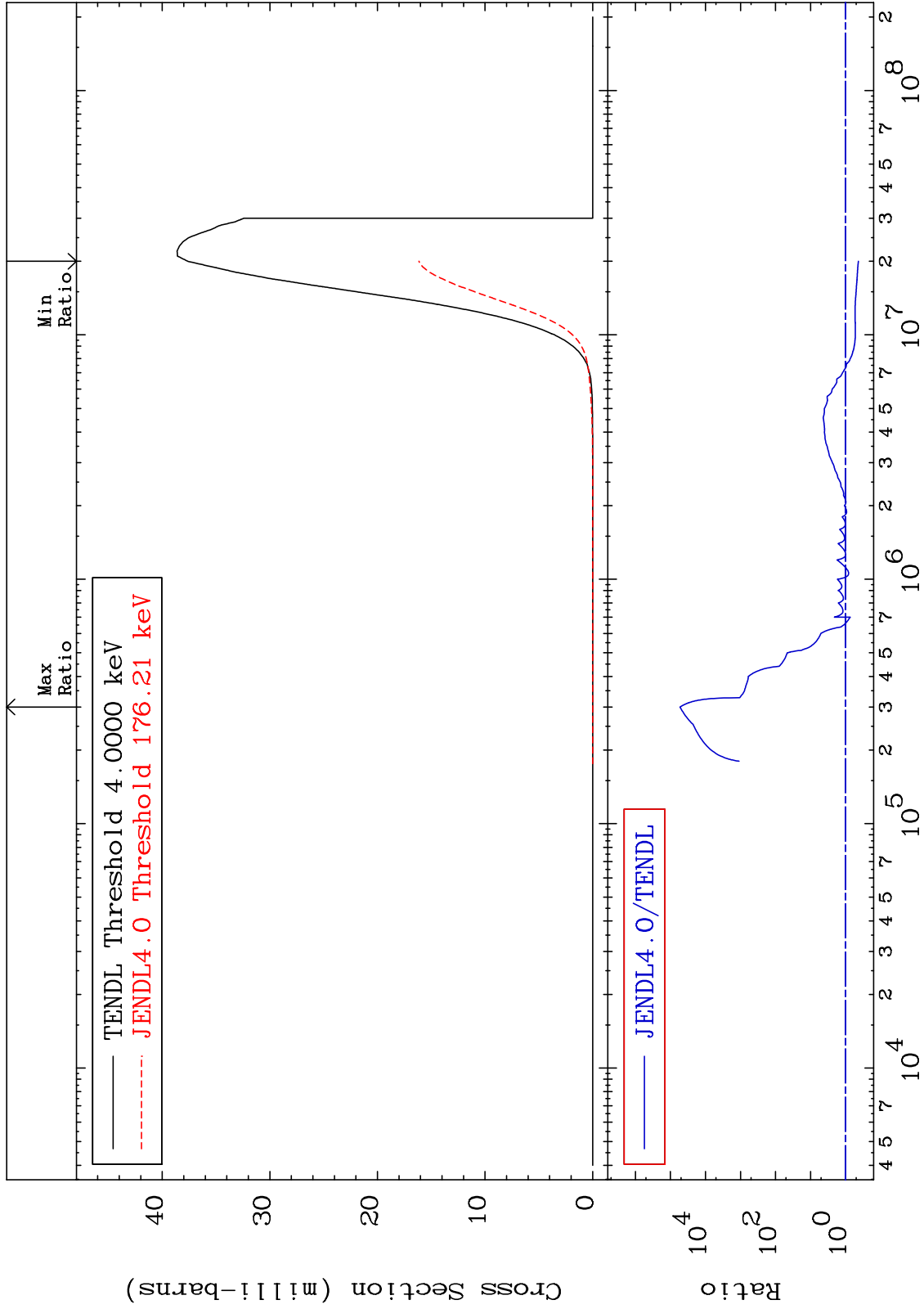
MAT 5525

(n,p)

55-Cs-133

-57.07 To 9999. %

Cross Section

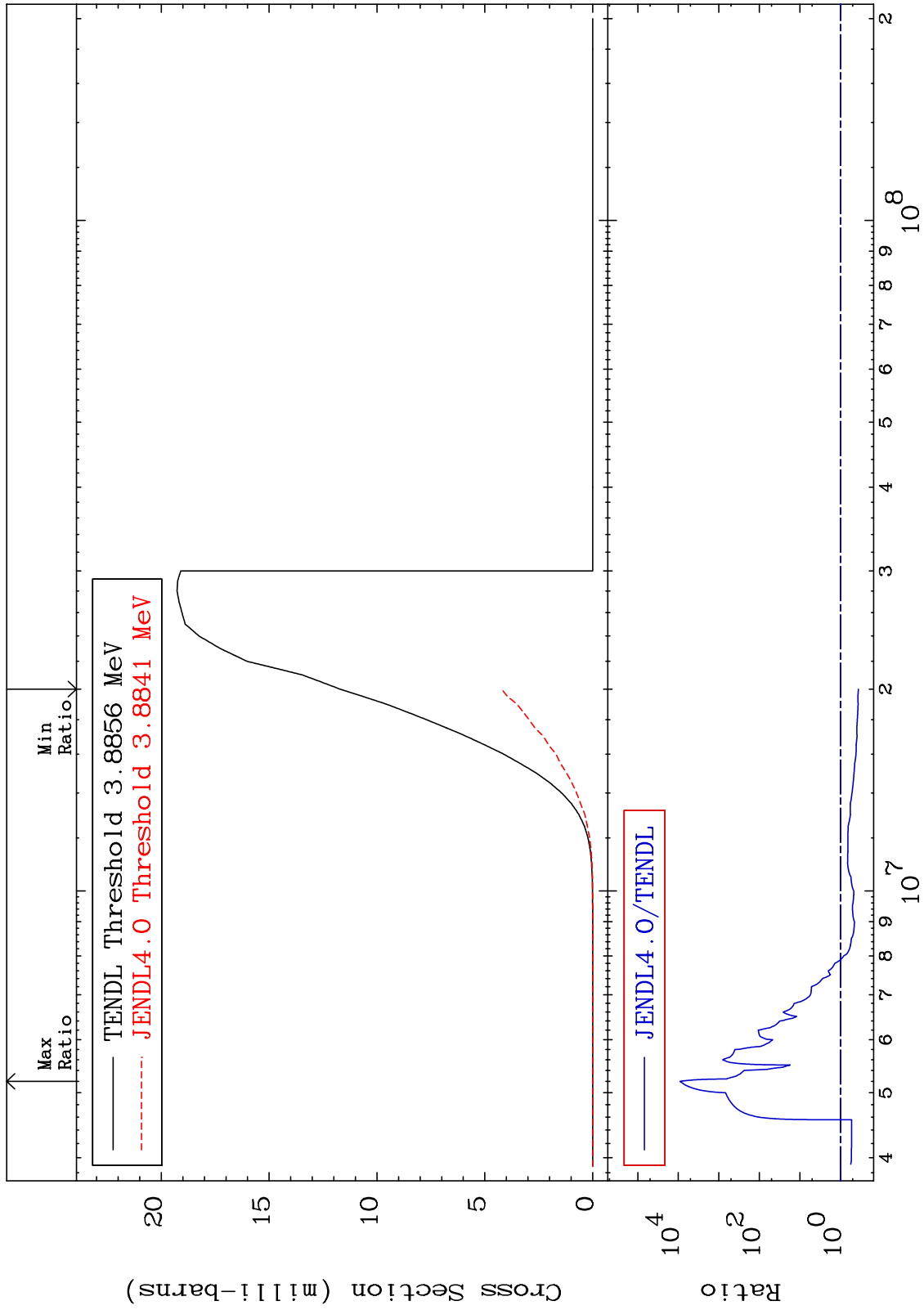


55-Cs-133

Incident Energy (eV)

32

MAT 5525 (n,d) Cross Section 55-Cs-133 -63.97 To 9999. %



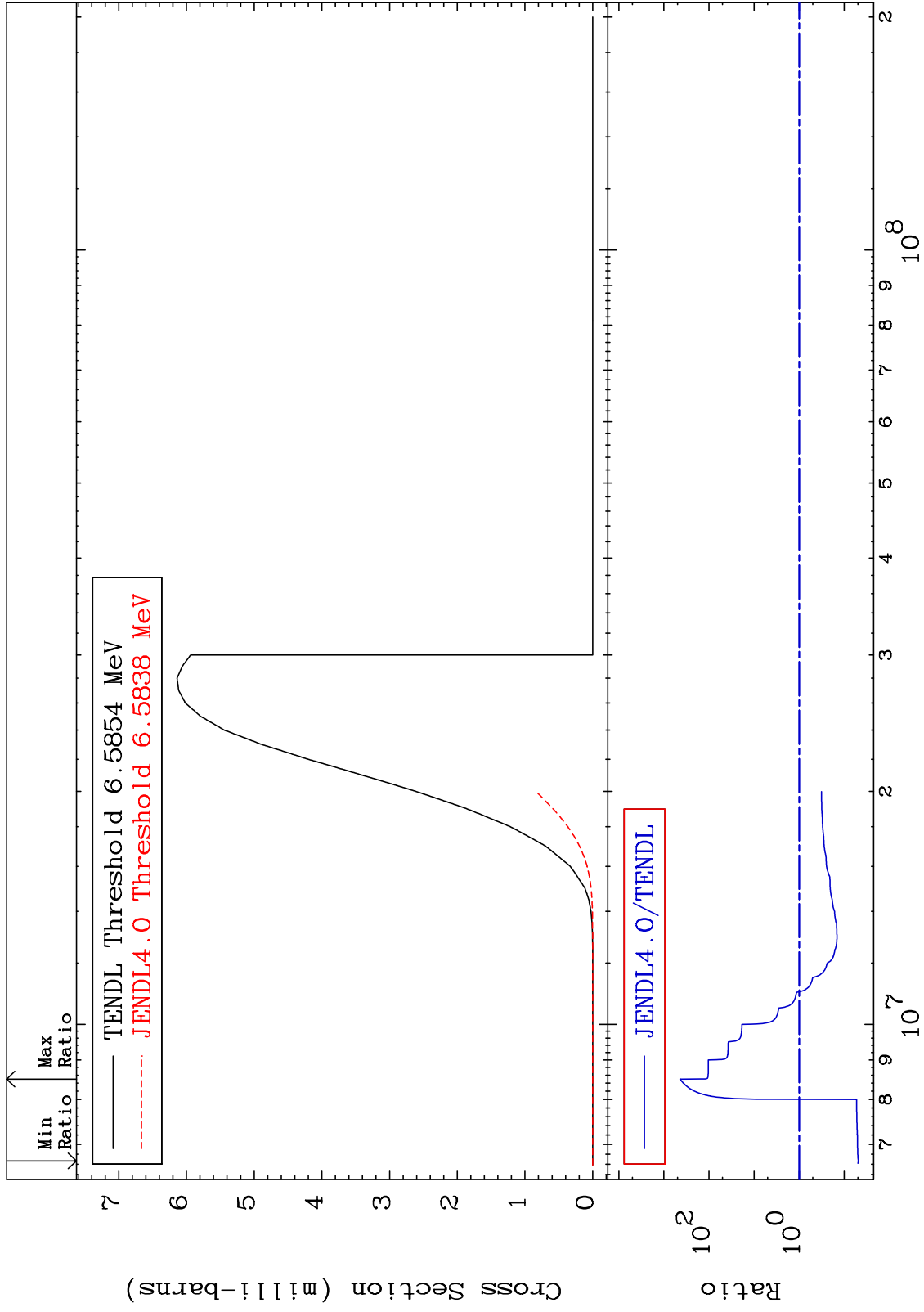
MAT 5525

(n, t)

55-Cs-133

Cross Section

-95.15 To 9999. %



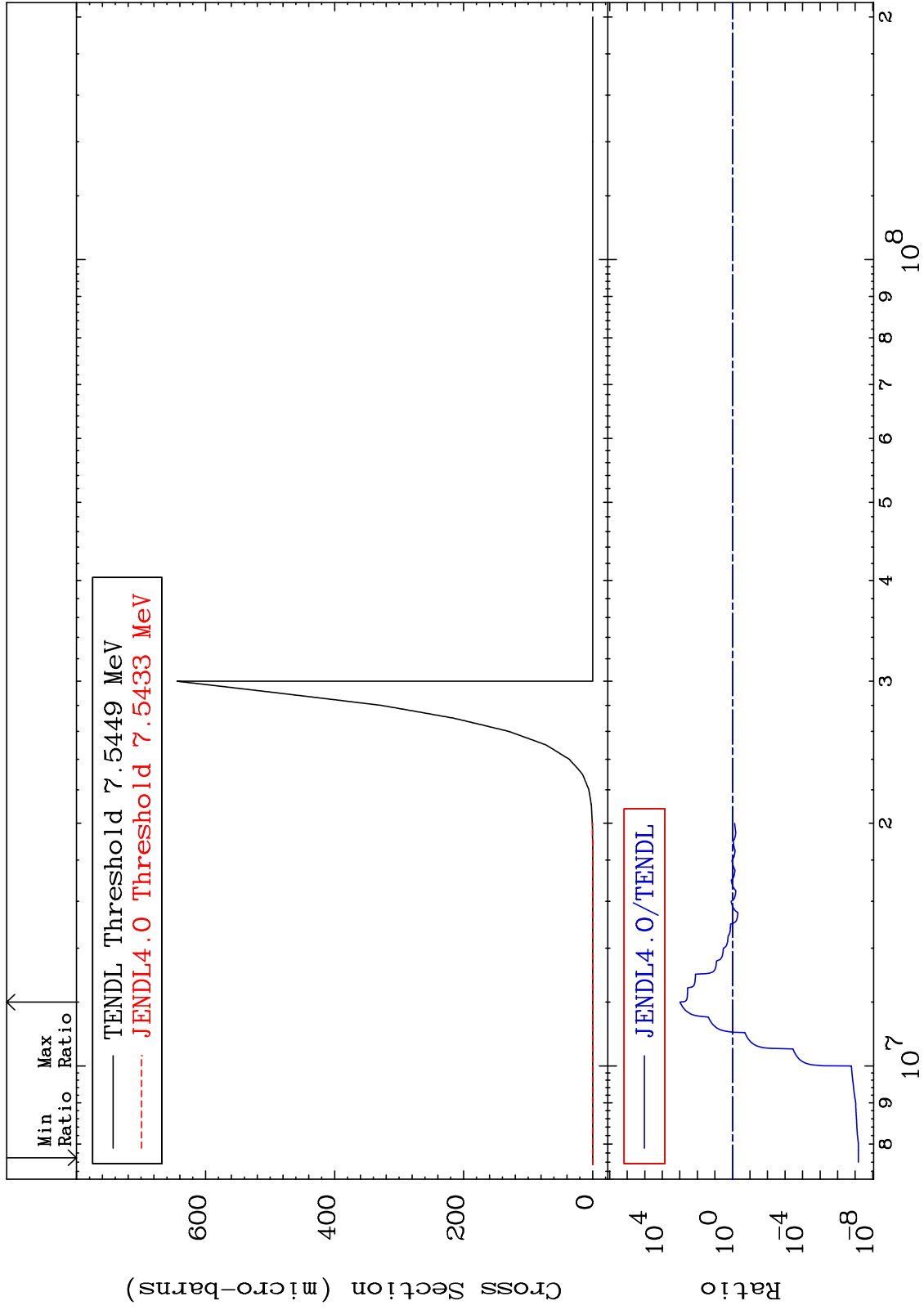
MAT 5525

(n, He-3)

55-Cs-133

Cross Section

-100.0 To 9999. %



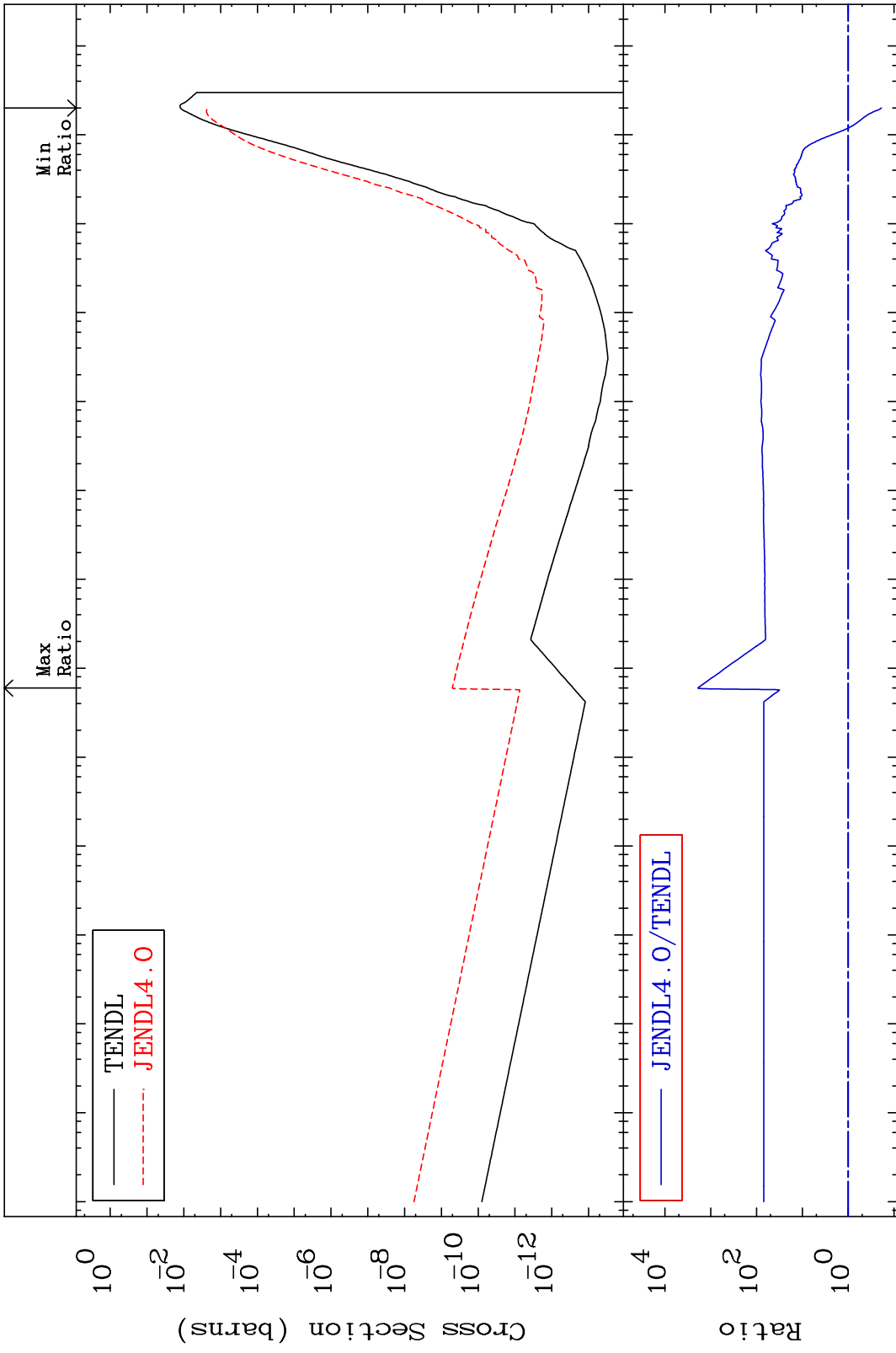
MAT 5525

(n, α)

55-Cs-133

-81.14 To 9999. %

Cross Section



Incident Energy (eV)

55-Cs-133

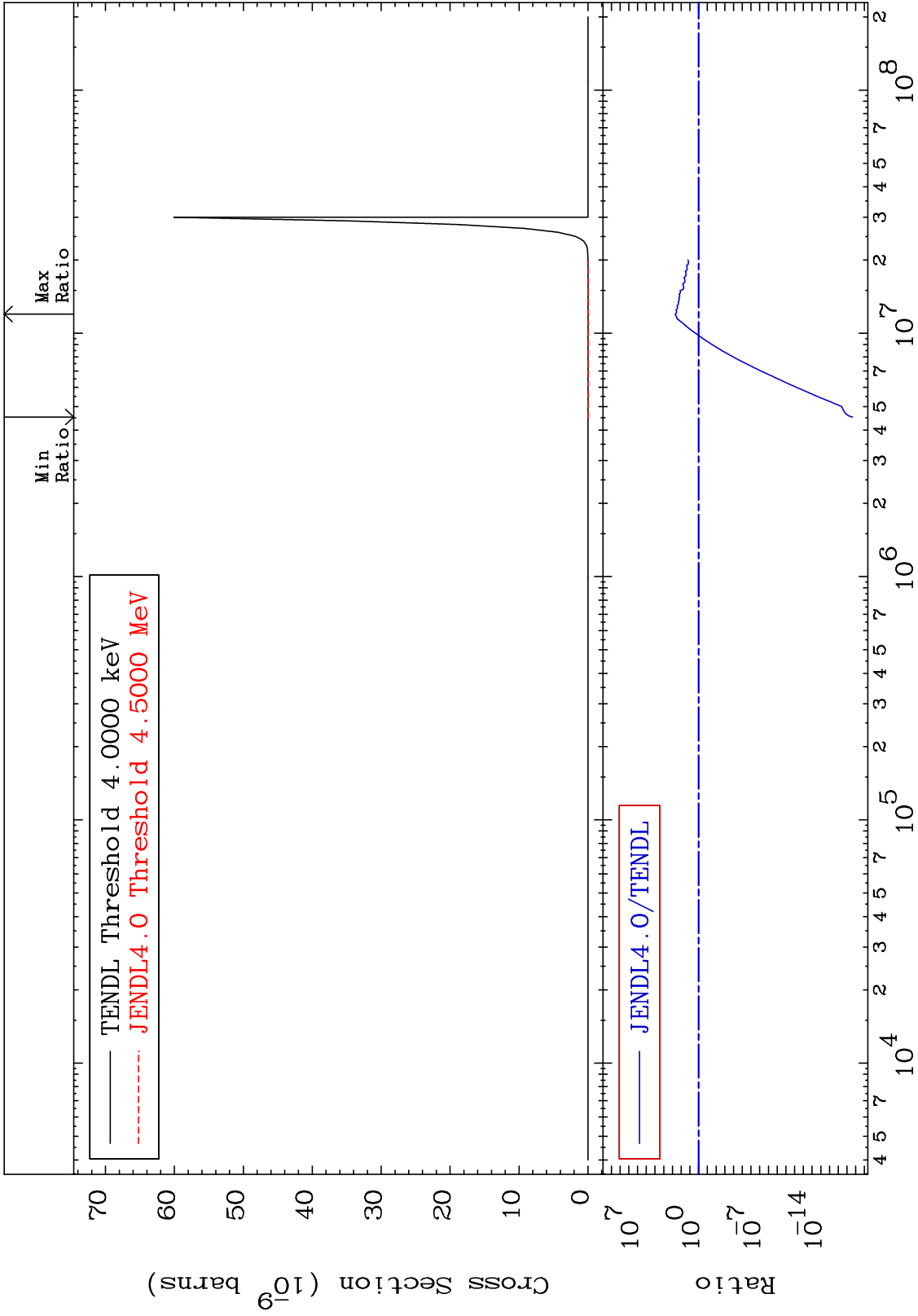
MAT 5525

(n,2α)

55-Cs-133

Cross Section

-100.0 To 9999. %



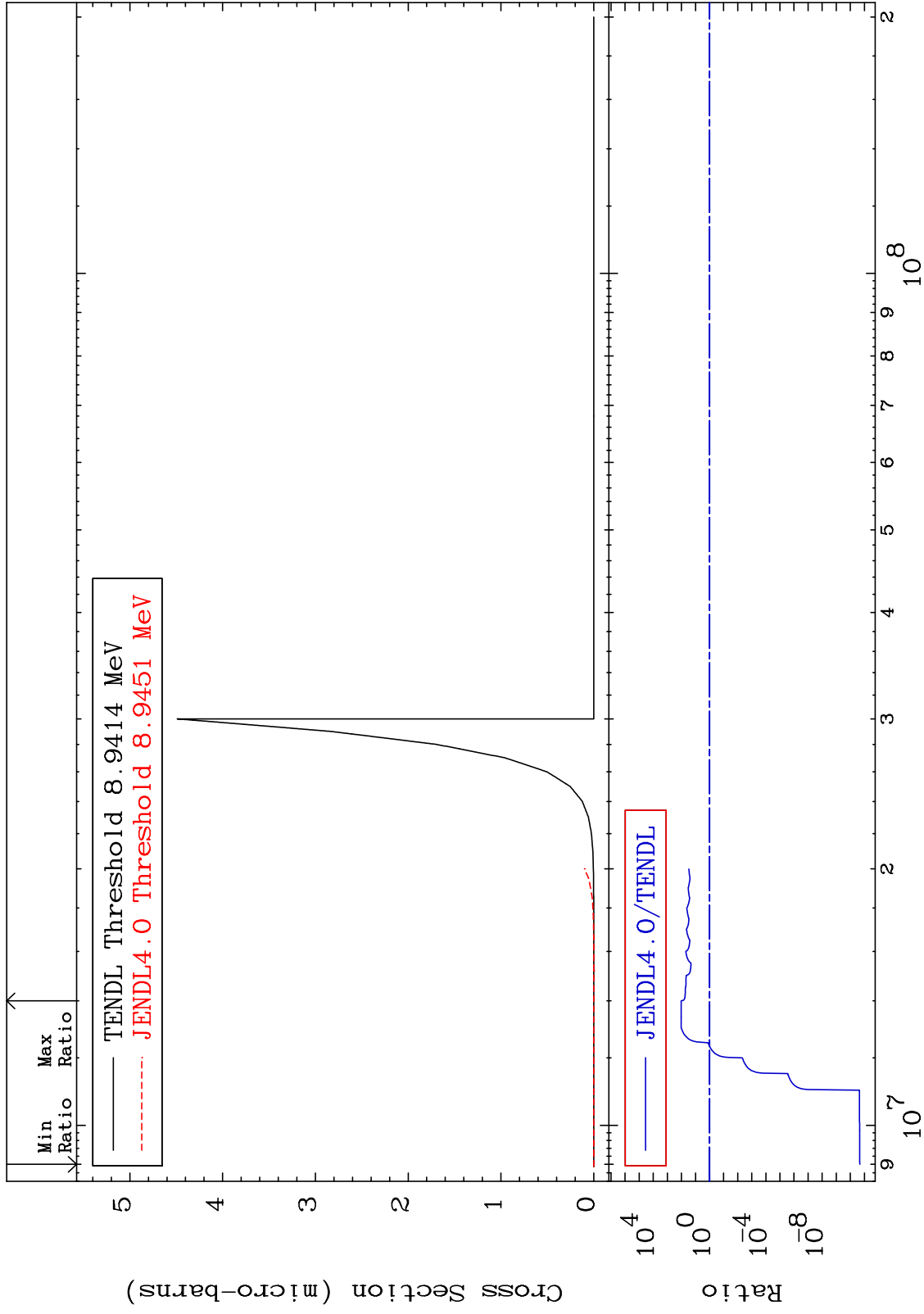
MAT 5525

(n,2p)

55-Cs-133

Cross Section

-100.0 To 9999. %



38

Incident Energy (eV)

55-Cs-133

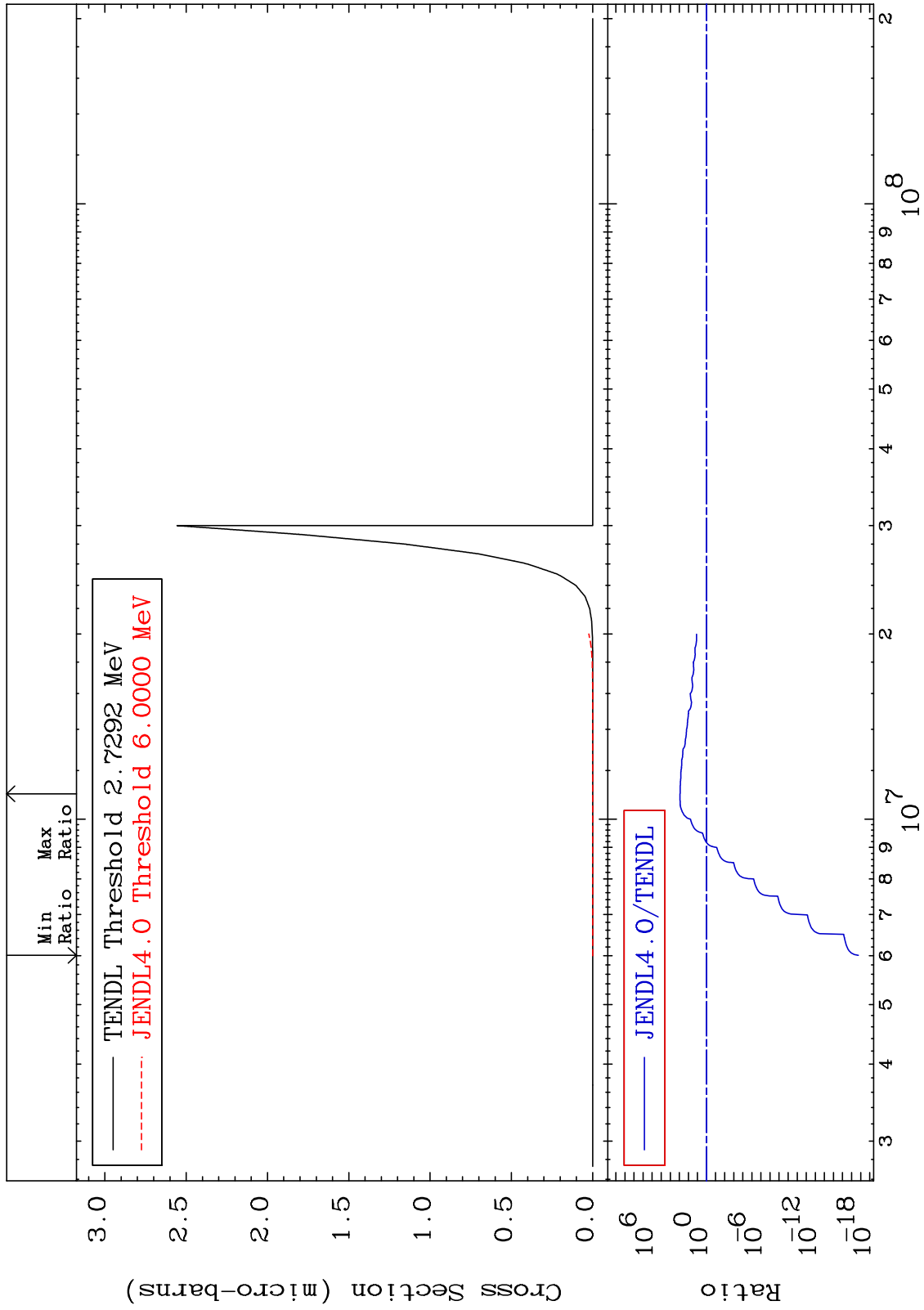
MAT 5525

(n,p) α

55-Cs-133

Cross Section

-100.0 To 9999. %



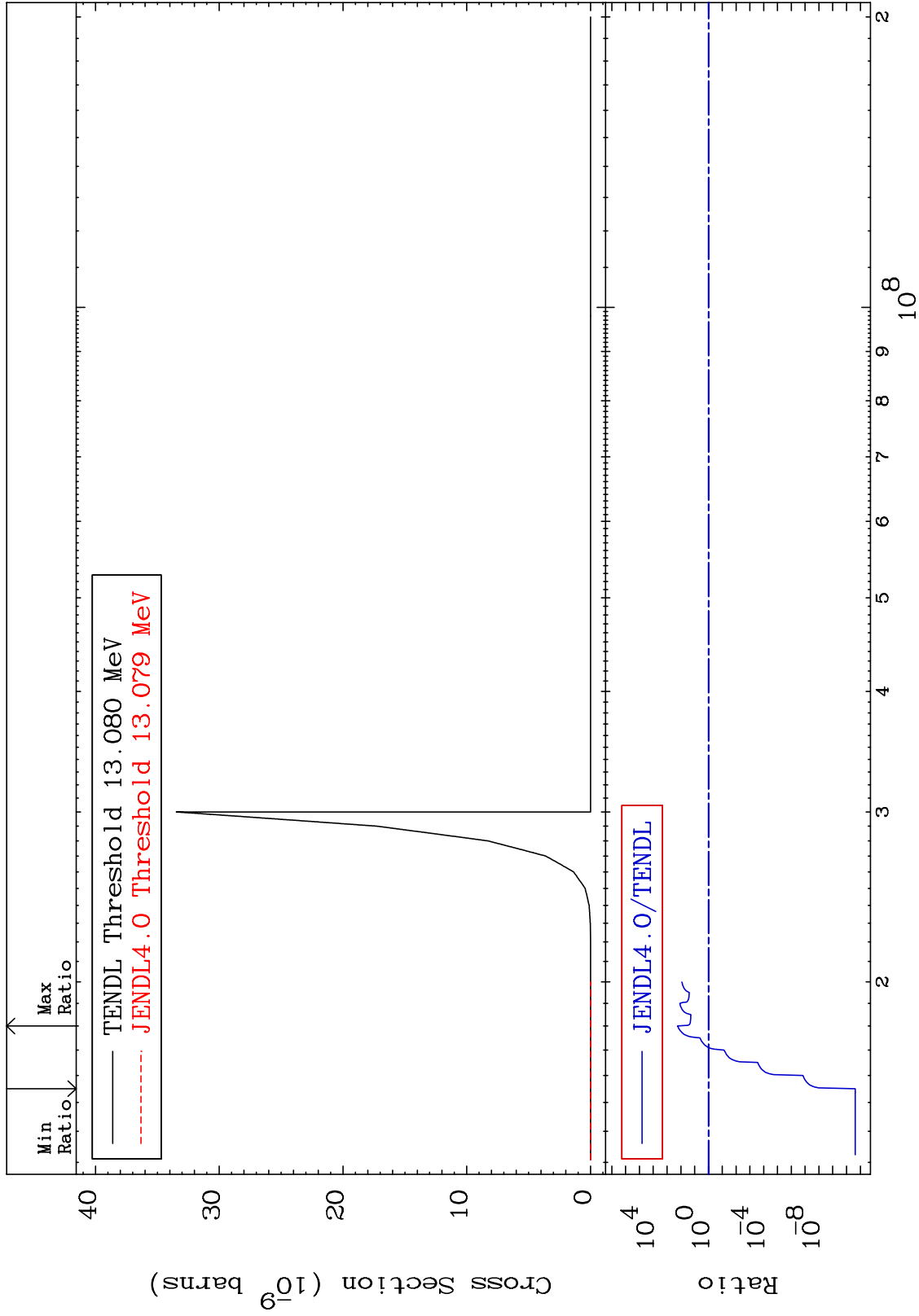
MAT 5525

(n,p) d

55-Cs-133

Cross Section

-100.0 To 9999. %



40

Incident Energy (eV)

55-Cs-133

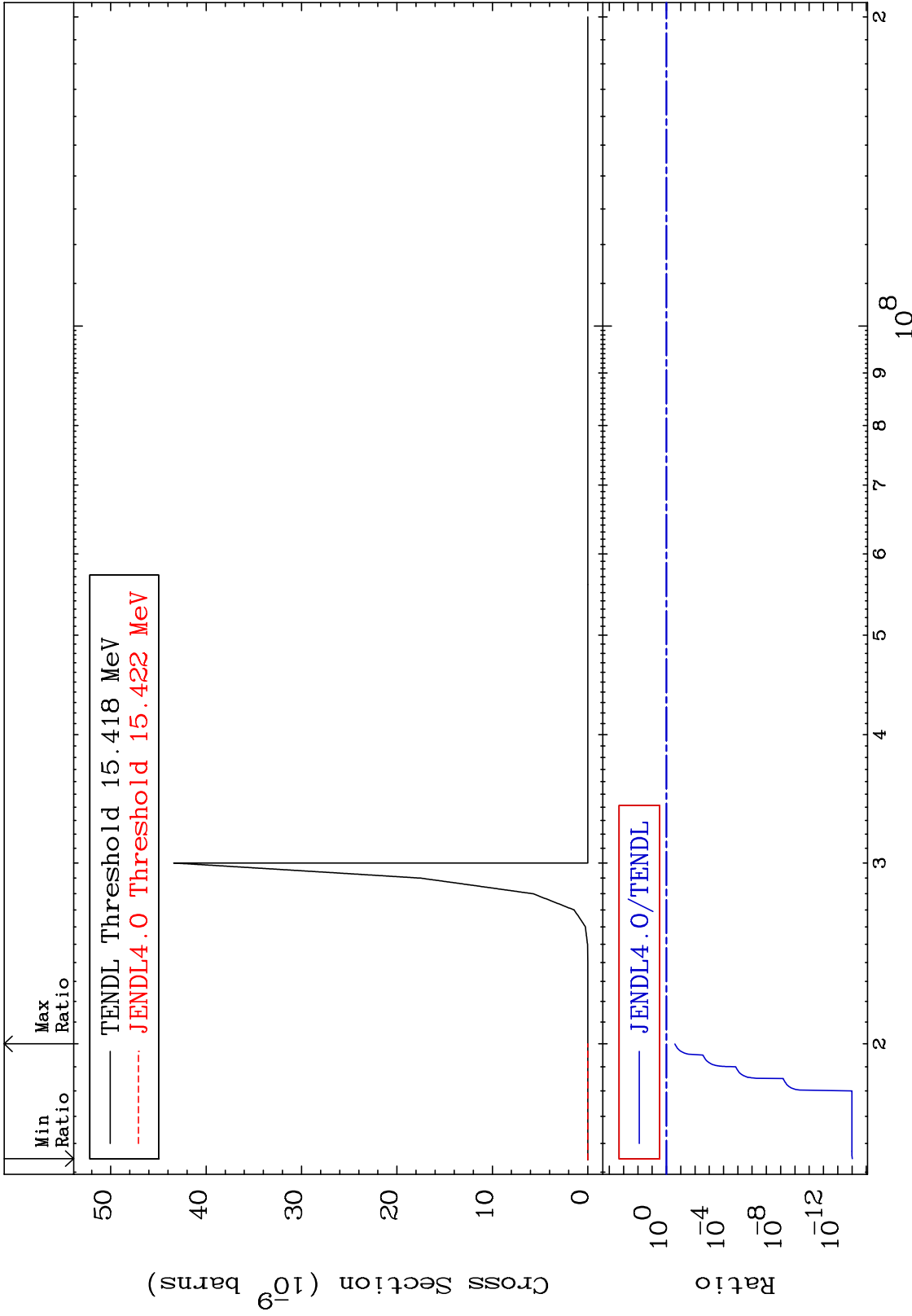
MAT 5525

(n,p) t

55-Cs-133

Cross Section

-100.0 To -73.80%



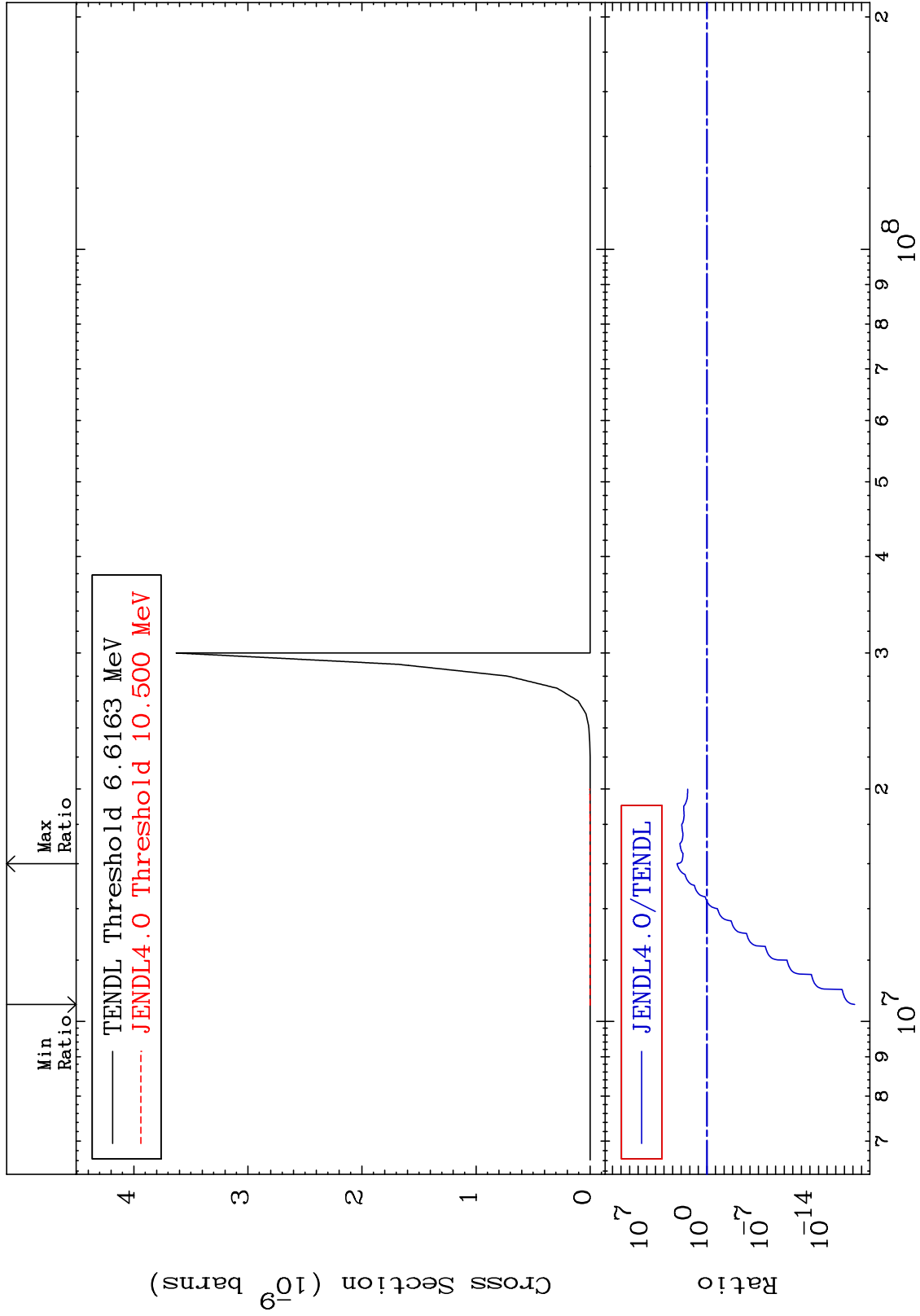
MAT 5525

(n,d) α

55-Cs-133

Cross Section

-100.0 To 9999. %



42

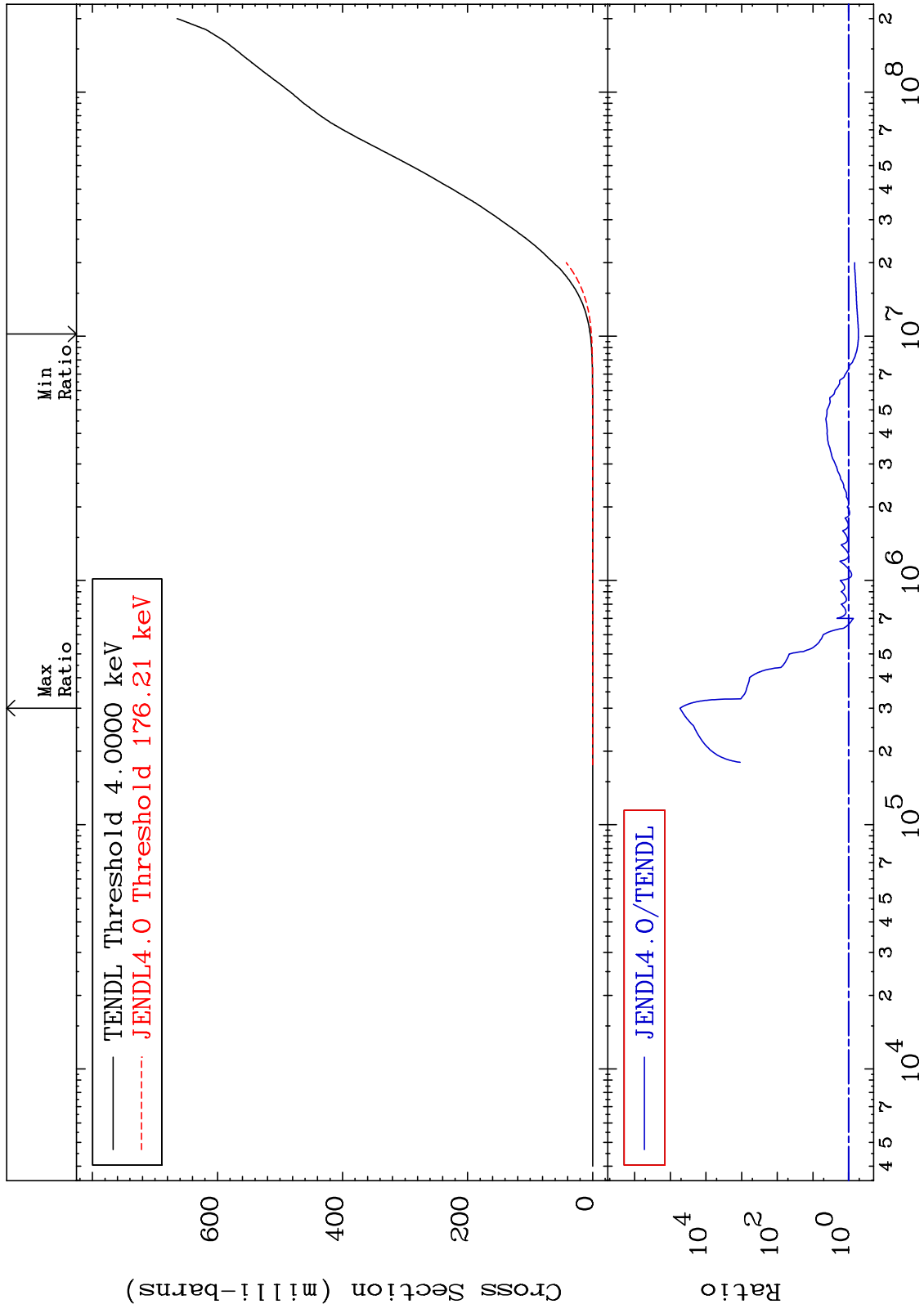
Incident Energy (eV)

55-Cs-133

MAT 5525

Hydrogen Production
Cross Section

55-Cs-133
-47.12 To 9999. %



43

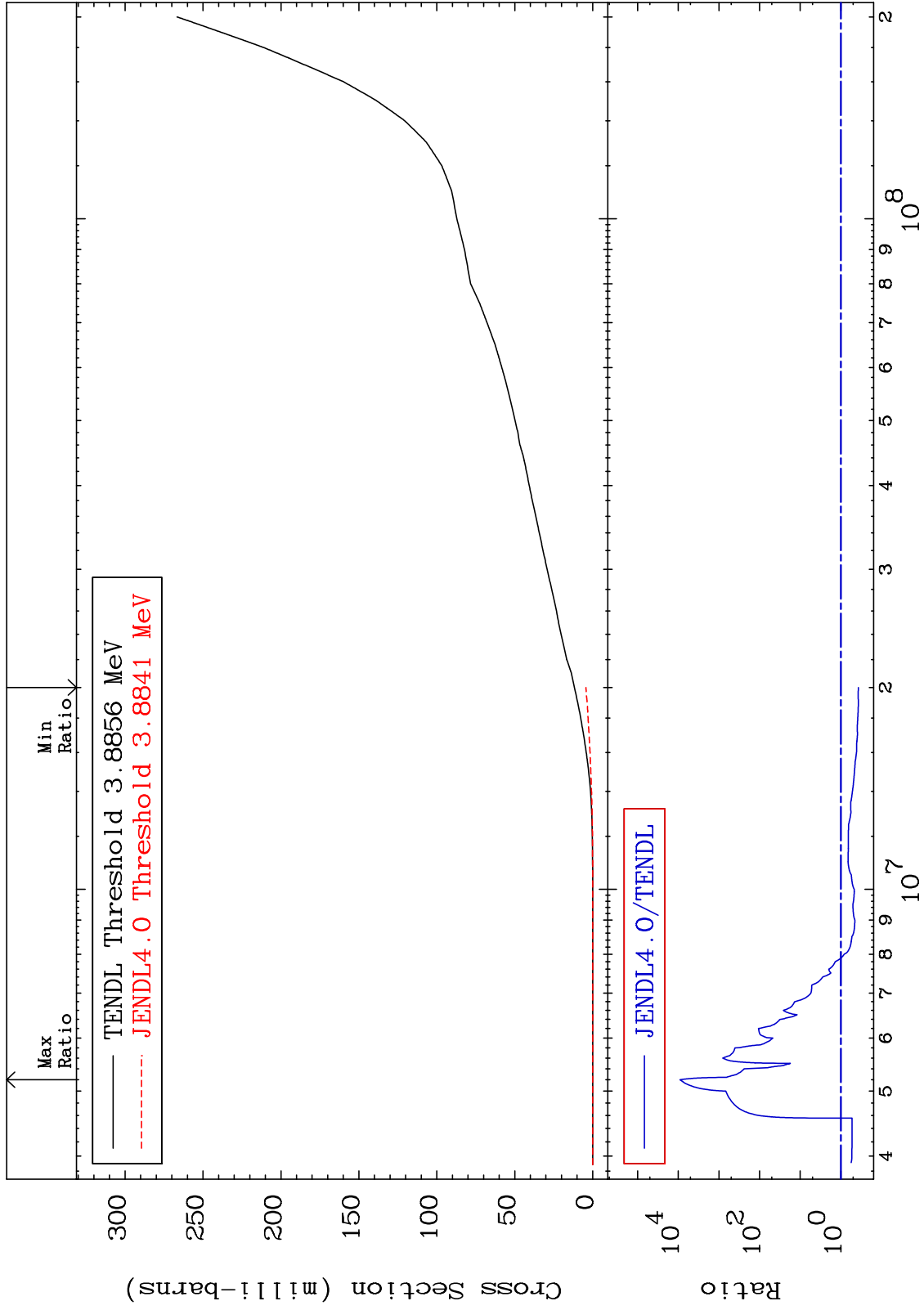
Incident Energy (eV)

55-Cs-133

MAT 5525

Deuterium Production
Cross Section

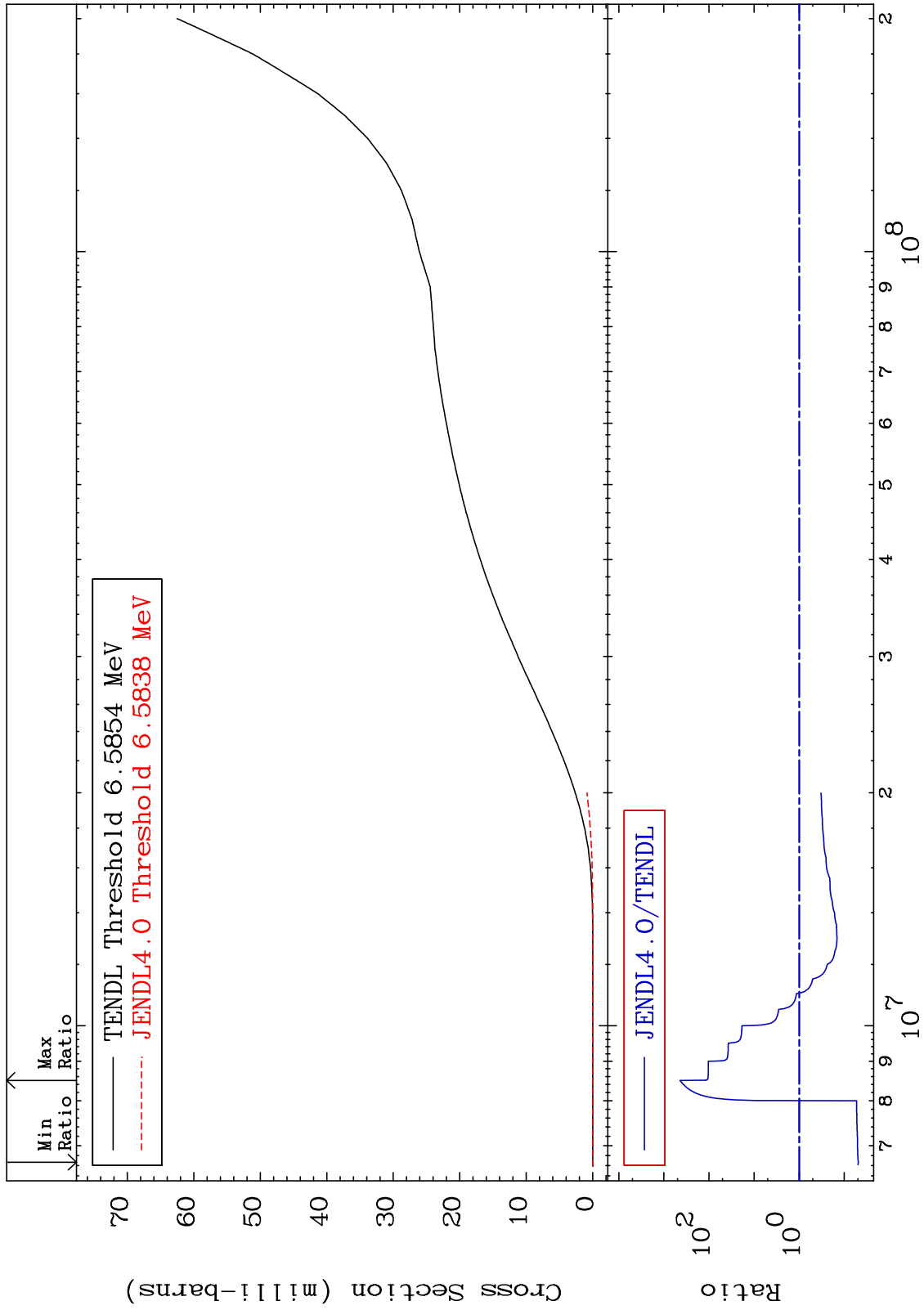
55-Cs-133
-63.00 To 9999. %



MAT 5525

Tritium Production
Cross Section

55-Cs-133
-95.15 To 9999. %



45

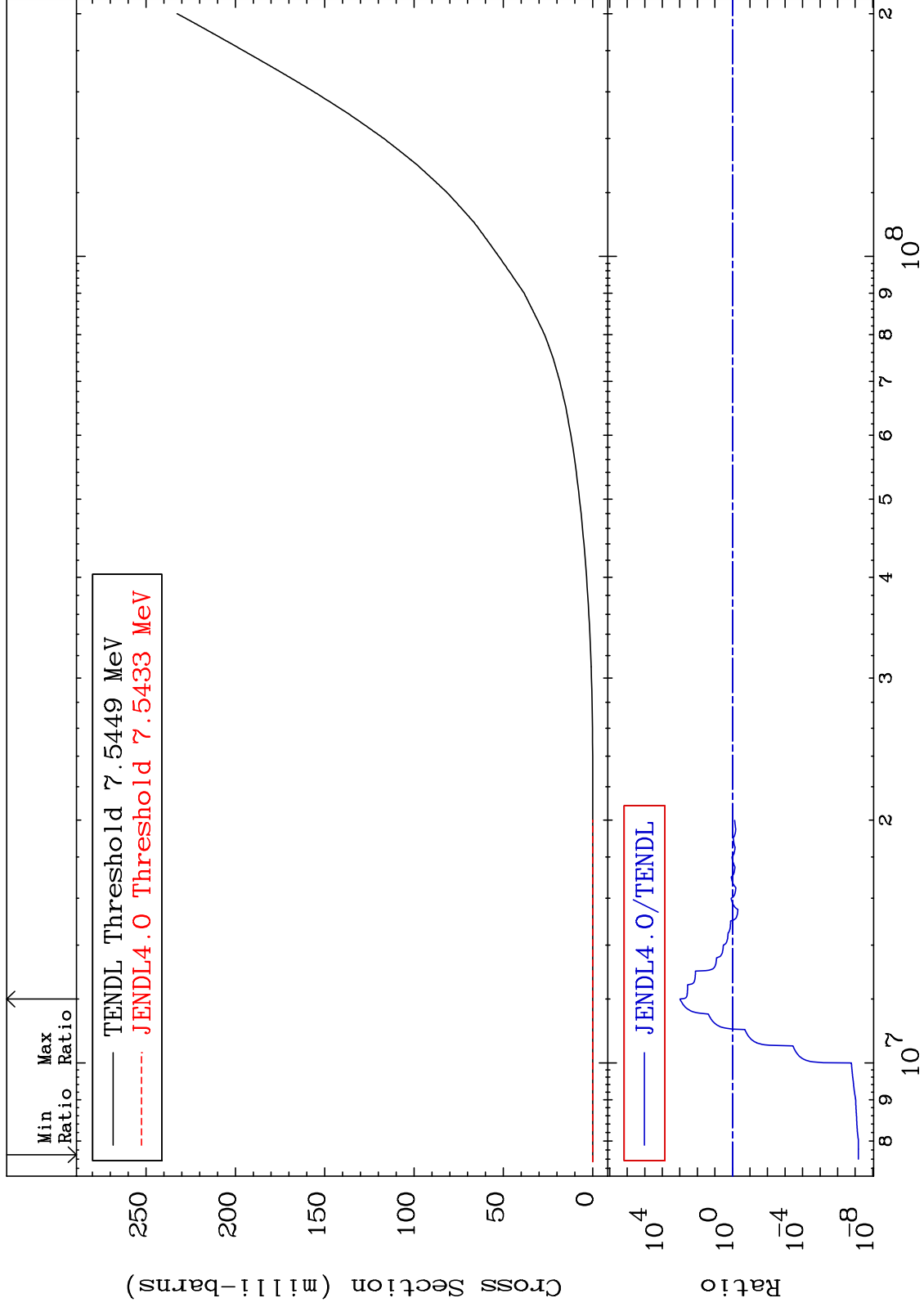
Incident Energy (eV)

55-Cs-133

MAT 5525

He-3 Production
Cross Section

55-Cs-133
-100.0 To 9999. %



46

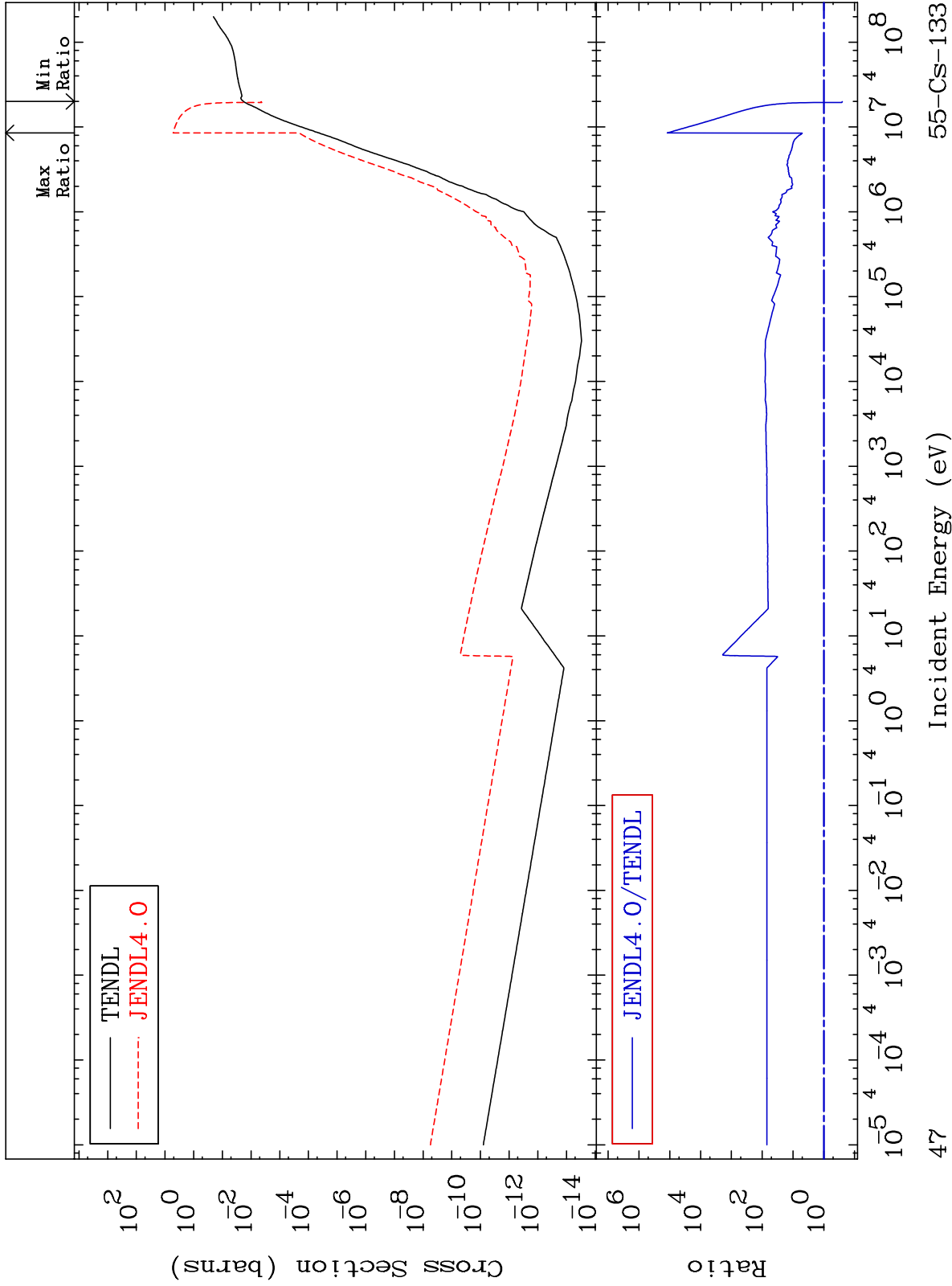
Incident Energy (eV)

55-Cs-133

MAT 5525

He-4 Production
Cross Section

55-Cs-133
-75.43 To 9999. %

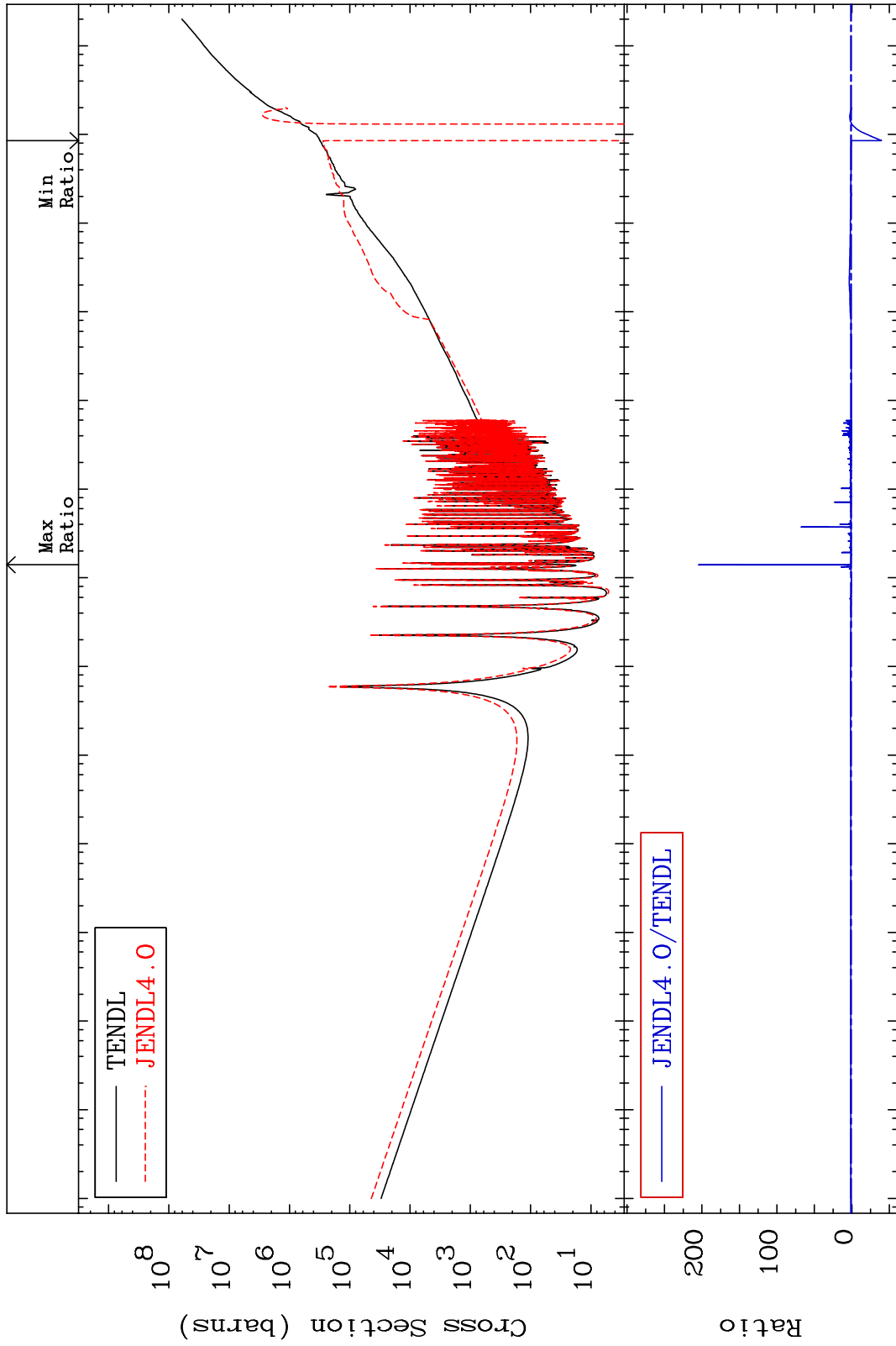


MAT 5525

Kerma total (eV-barns)
Cross Section

55-Cs-133

-4061. To 9999. %

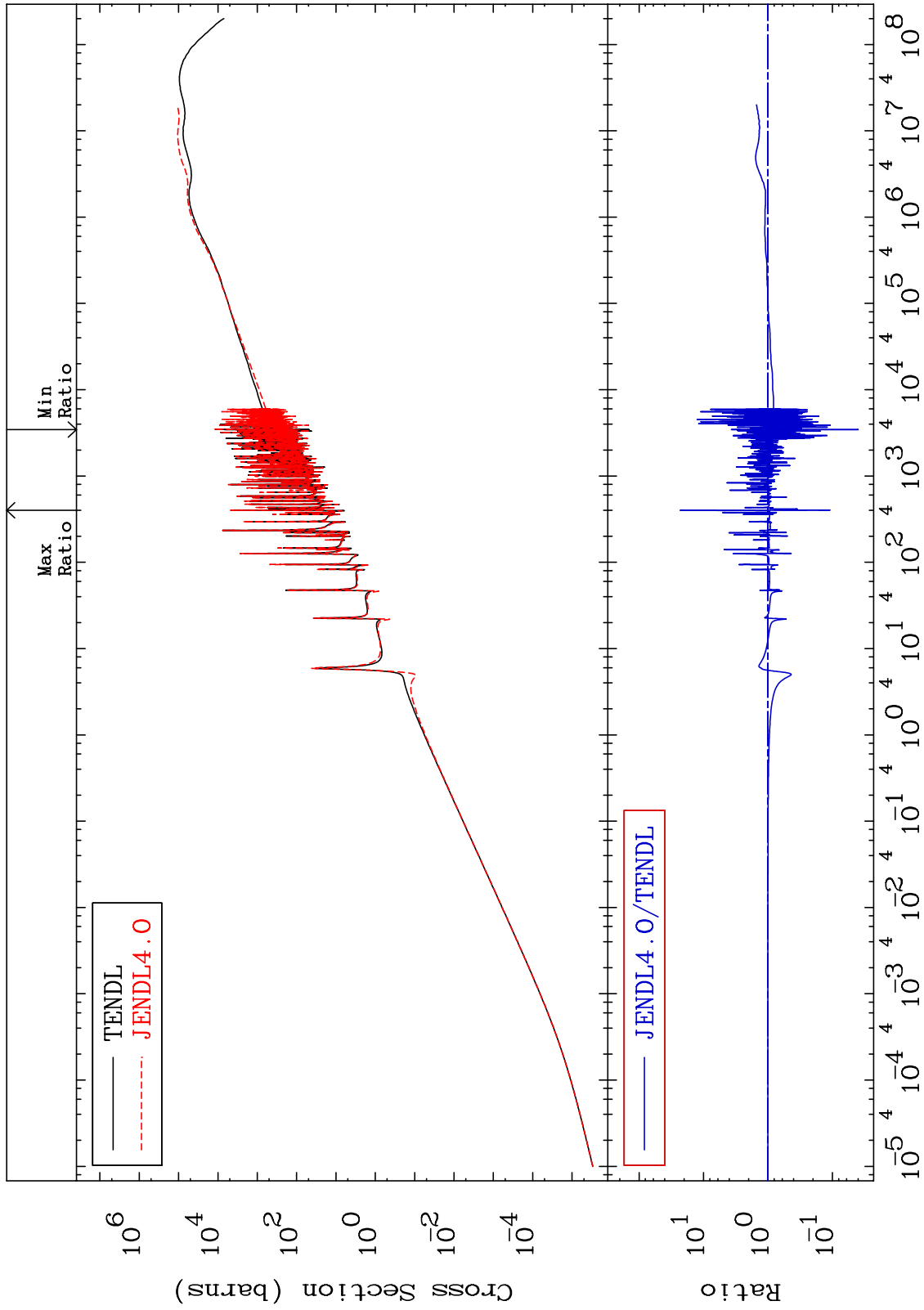


Incident Energy (eV) 55-Cs-133

MAT 5525

Kerma elastic
Cross Section

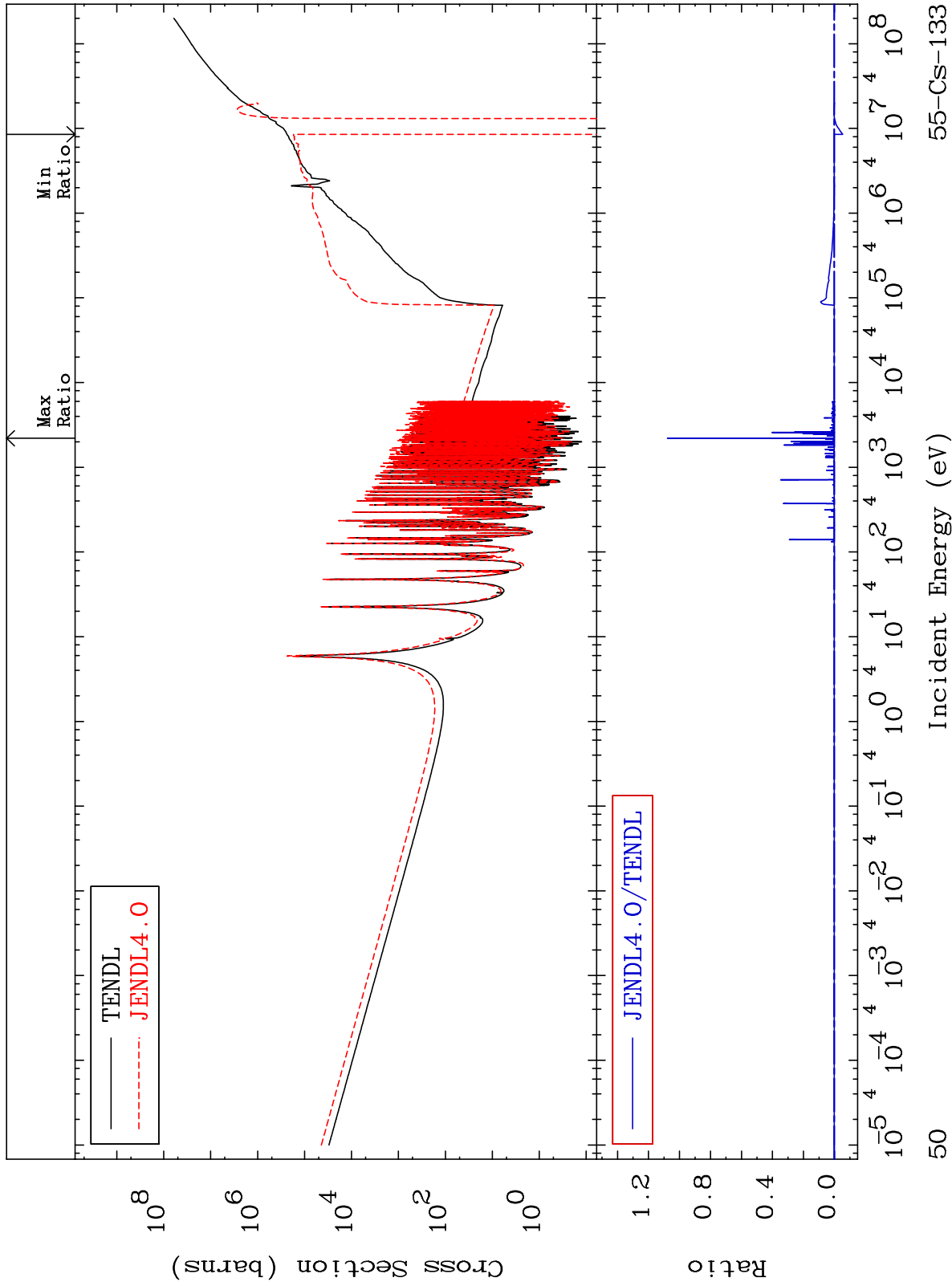
55-Cs-133
-96.05 To 2215. %



MAT 5525

Kerma non-elastic (all but mt2)
Cross Section

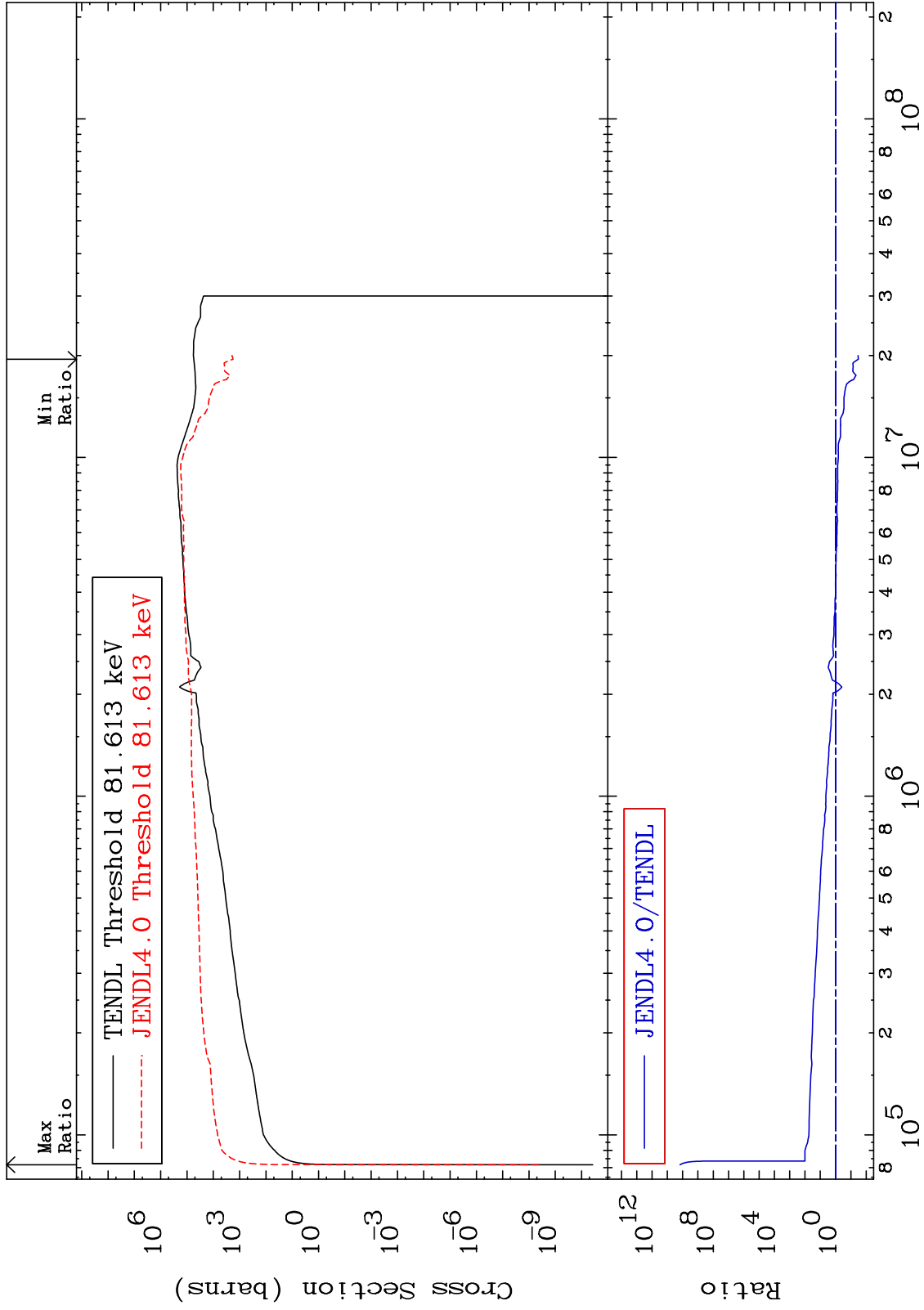
55-Cs-133
-5381. To 9999. %



MAT 5525

Kerma inelastic (mt51-91)
Cross Section

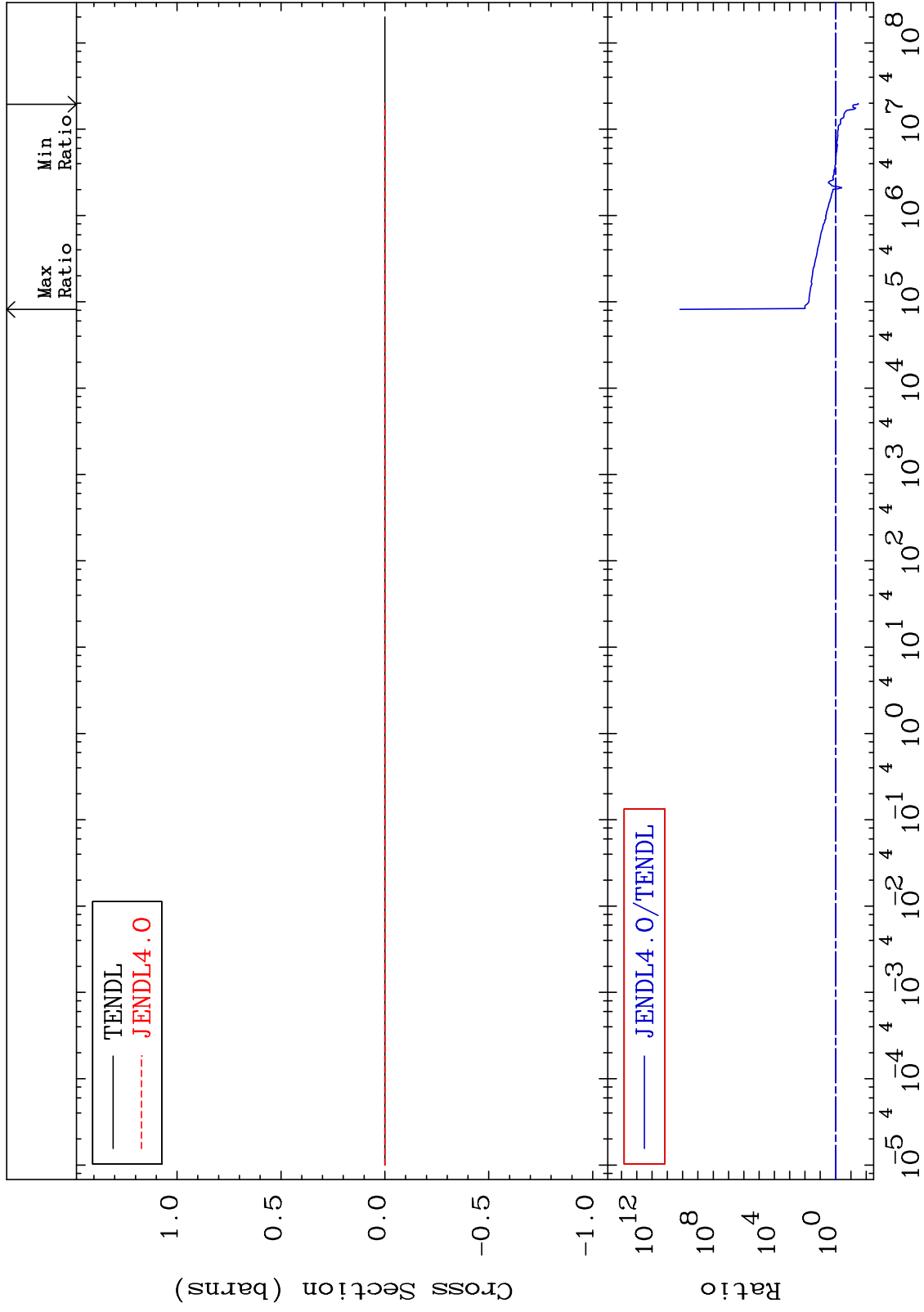
55-Cs-133
-96.79 To 9999. %



MAT 5525

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

55-Cs-133
-96.79 To 9999. %



52

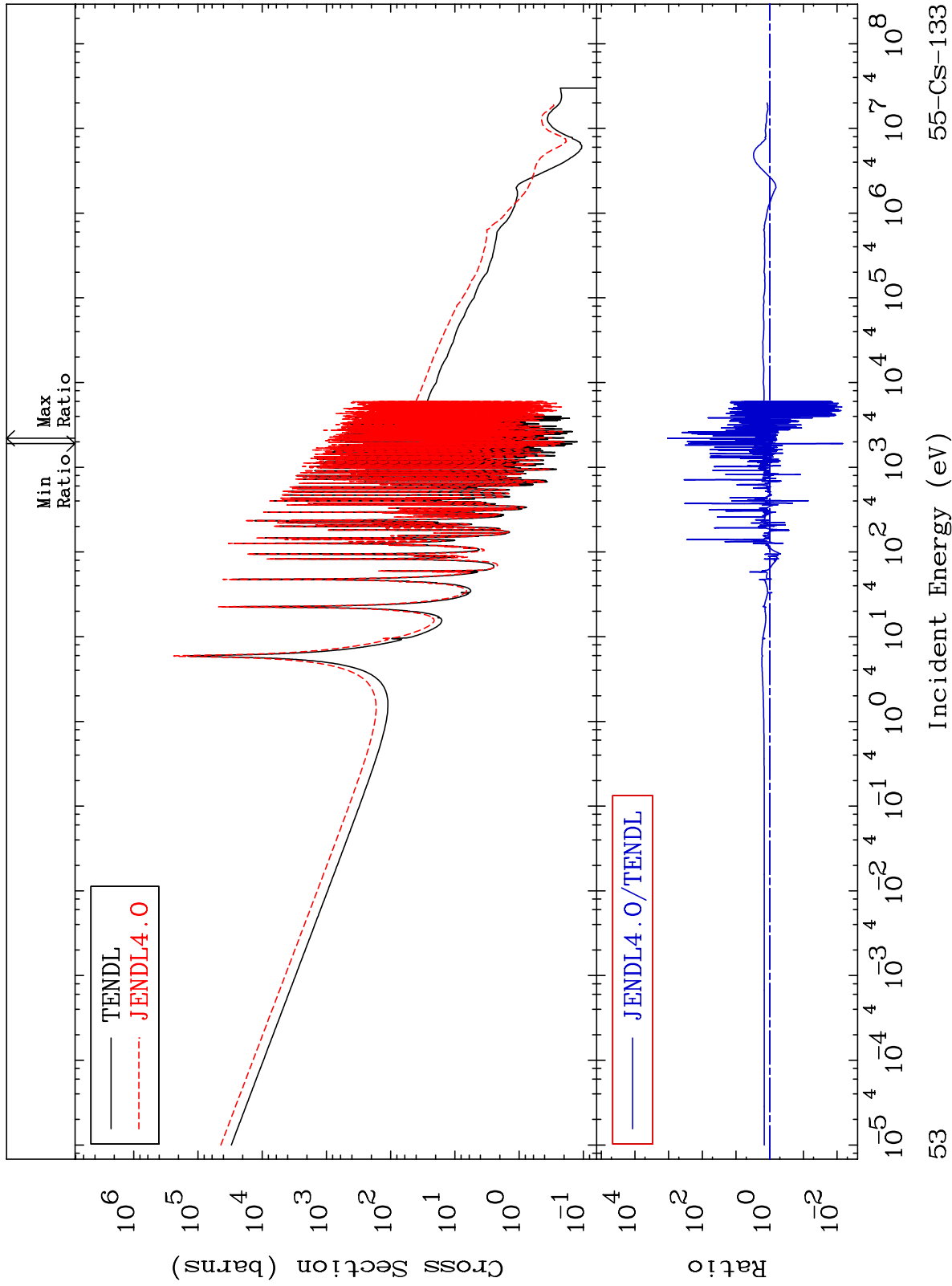
Incident Energy (eV)

55-Cs-133

MAT 5525

Kerma capture (mt102)
Cross Section

55-Cs-133
-99.32 To 9999. %

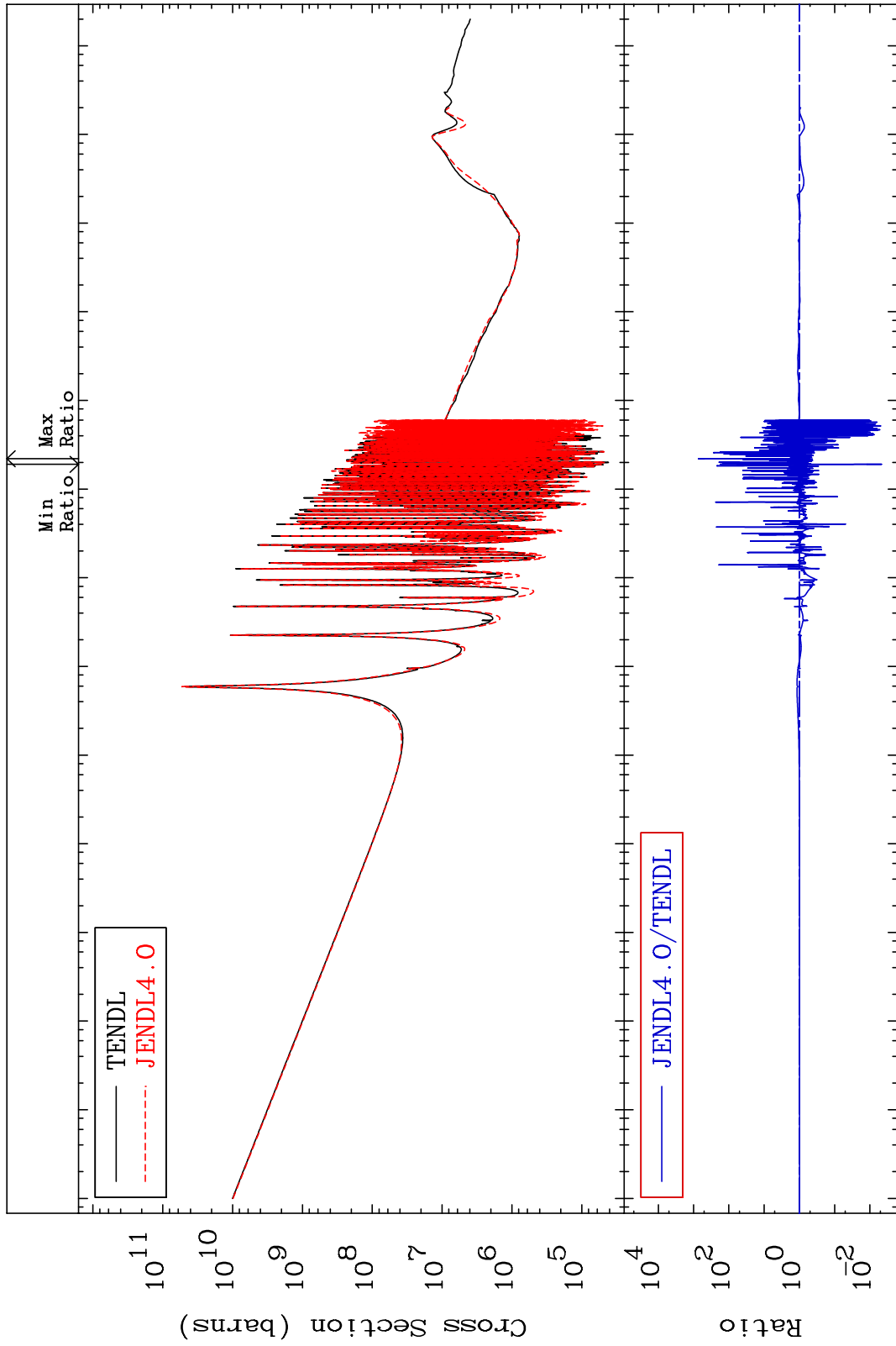


MAT 5525

Total photon (eV-barns)
Cross Section

55-Cs-133

-99.53 To 9999. %



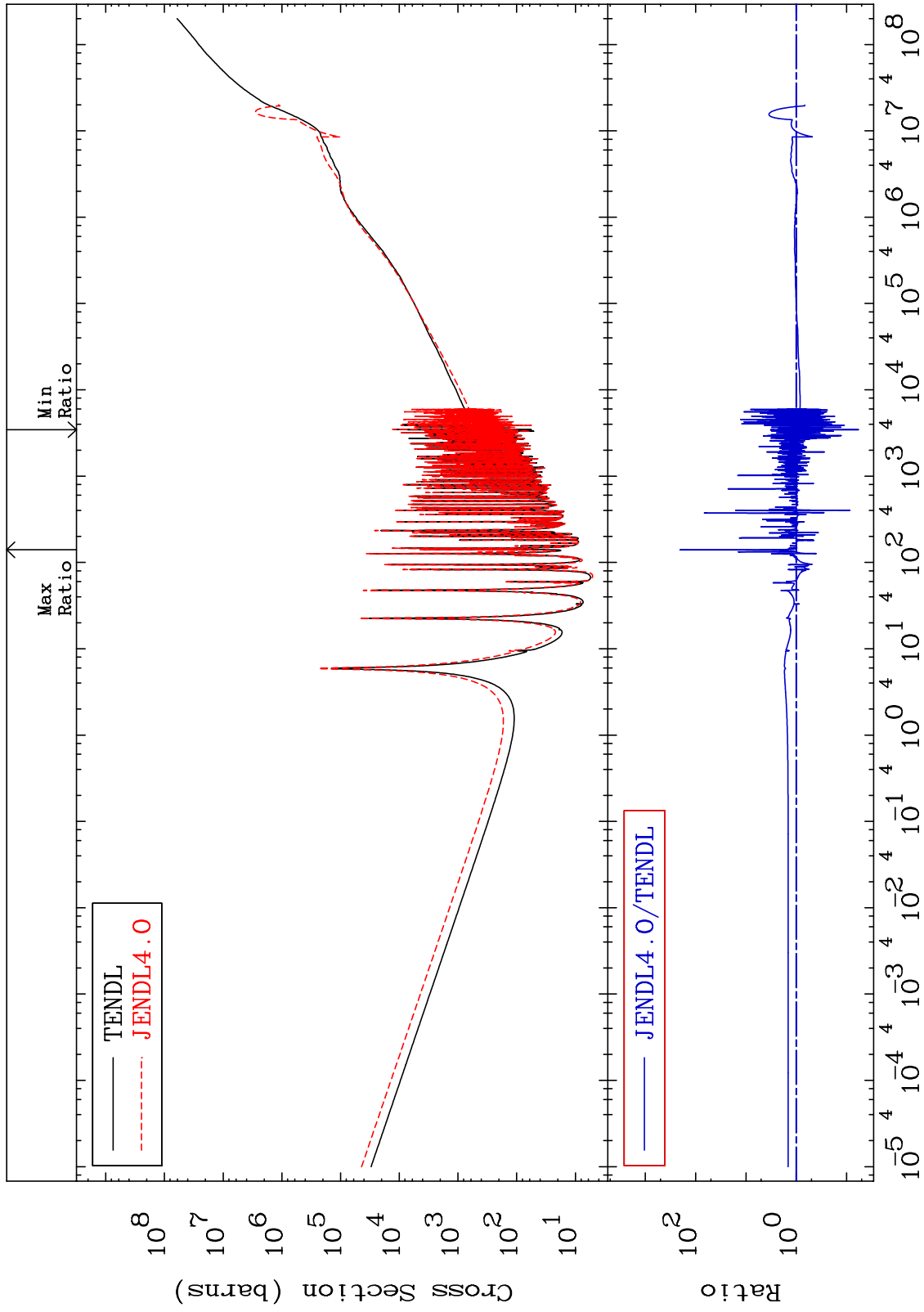
Incident Energy (eV)

55-Cs-133

MAT 5525

Total kinematic kerma (high limit)
Cross Section

55-Cs-133
-94.18 To 9999. %



55

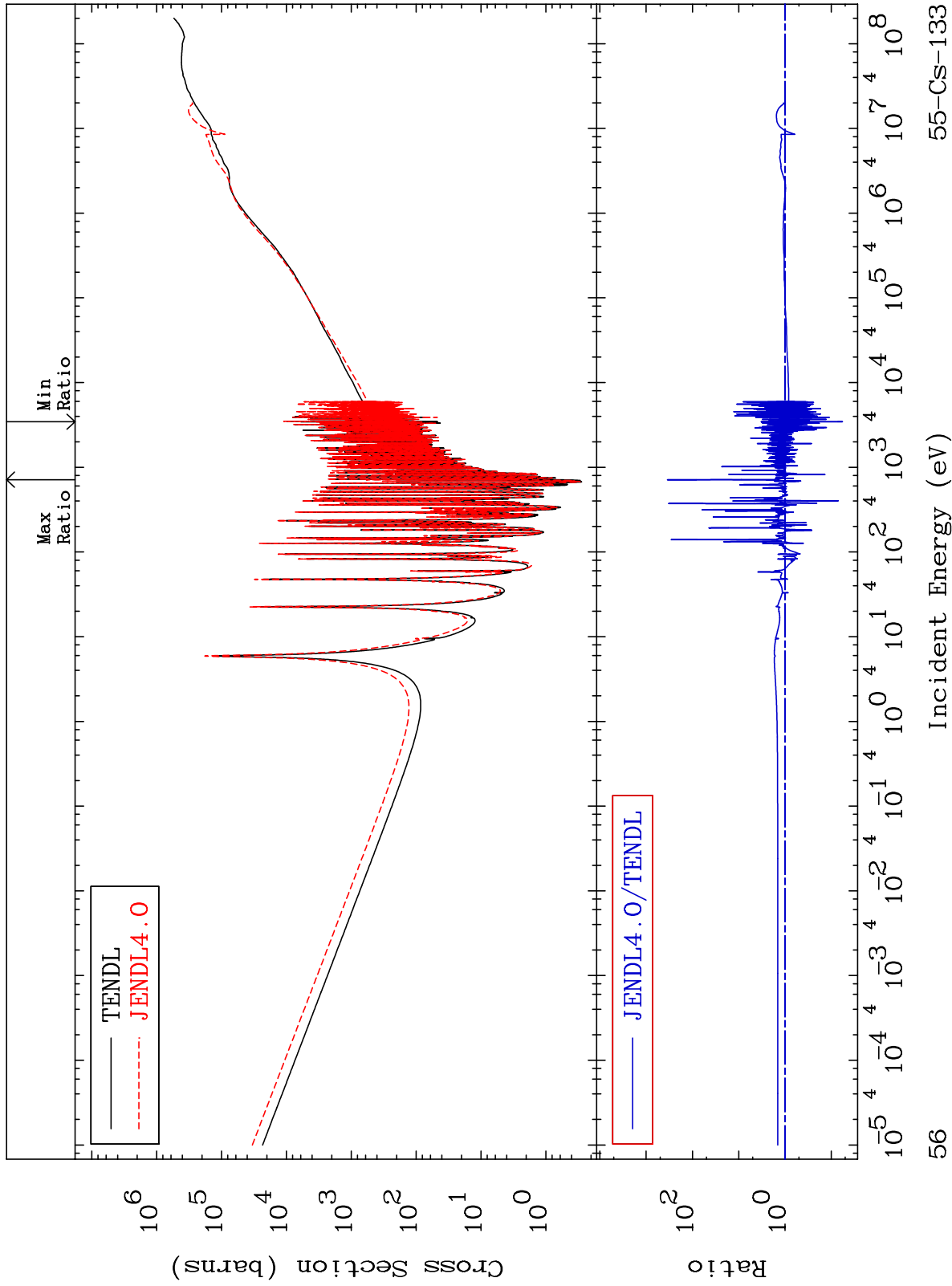
Incident Energy (eV)

55-Cs-133

MAT 5525

Dpa total (eV-barns)
Cross Section

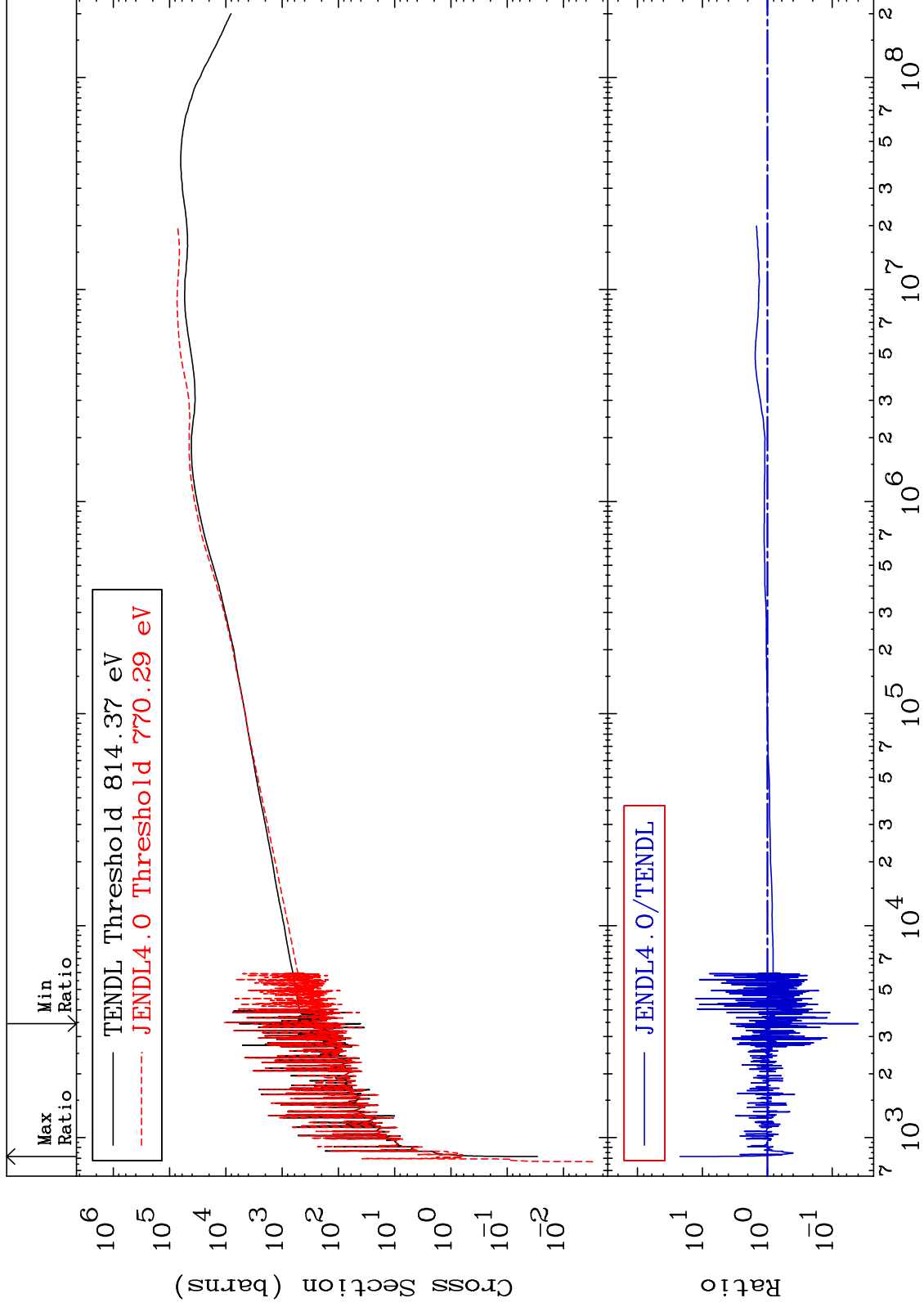
55-Cs-133
-94.32 To 9999. %



MAT 5525

Dpa elastic (mt2)
Cross Section

55-Cs-133
-96.04 To 2114. %



57

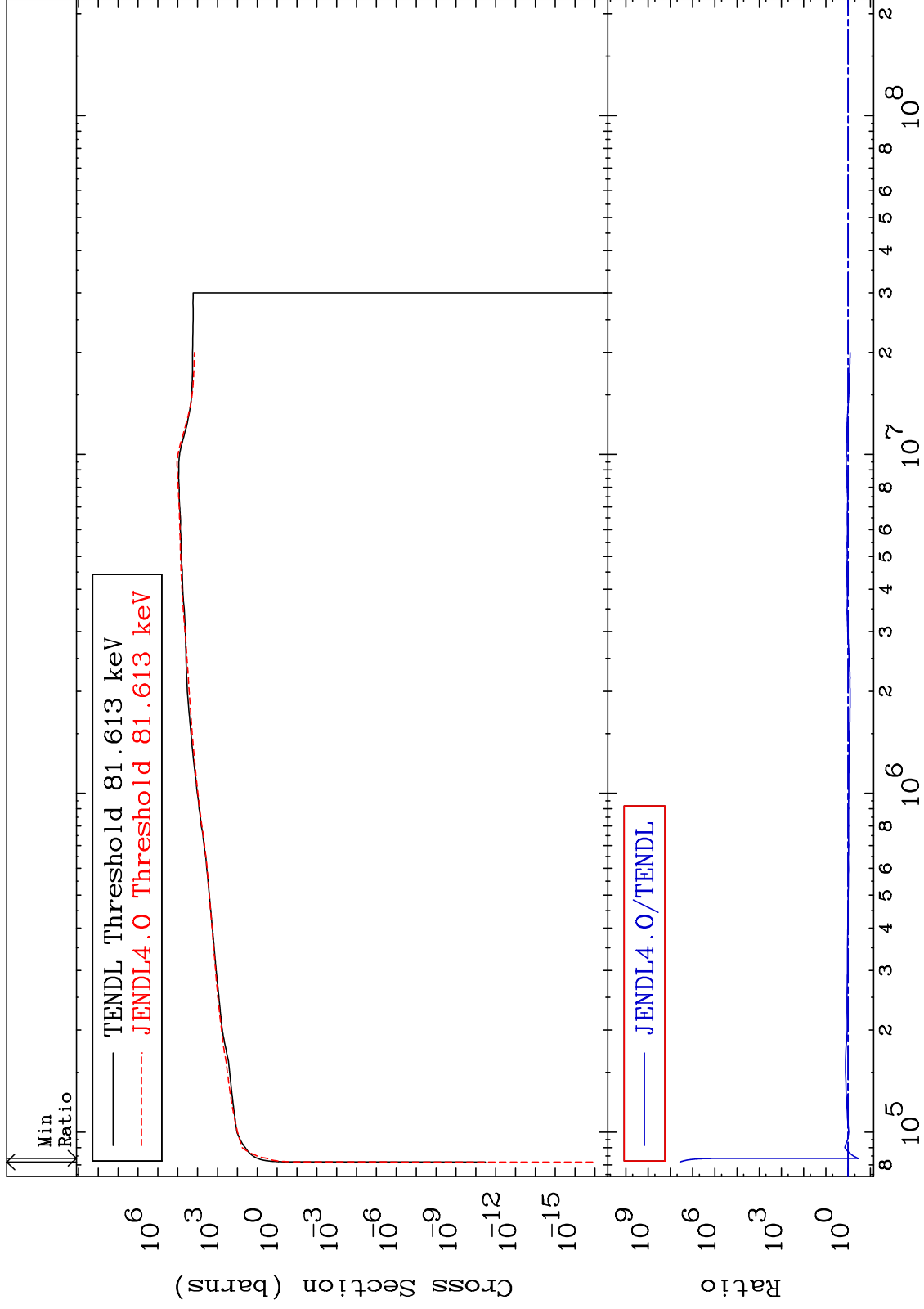
Incident Energy (eV)

55-Cs-133

MAT 5525

Dpa inelastic (mt51-91)
Cross Section

55-Cs-133
-65.60 To 9999. %



58

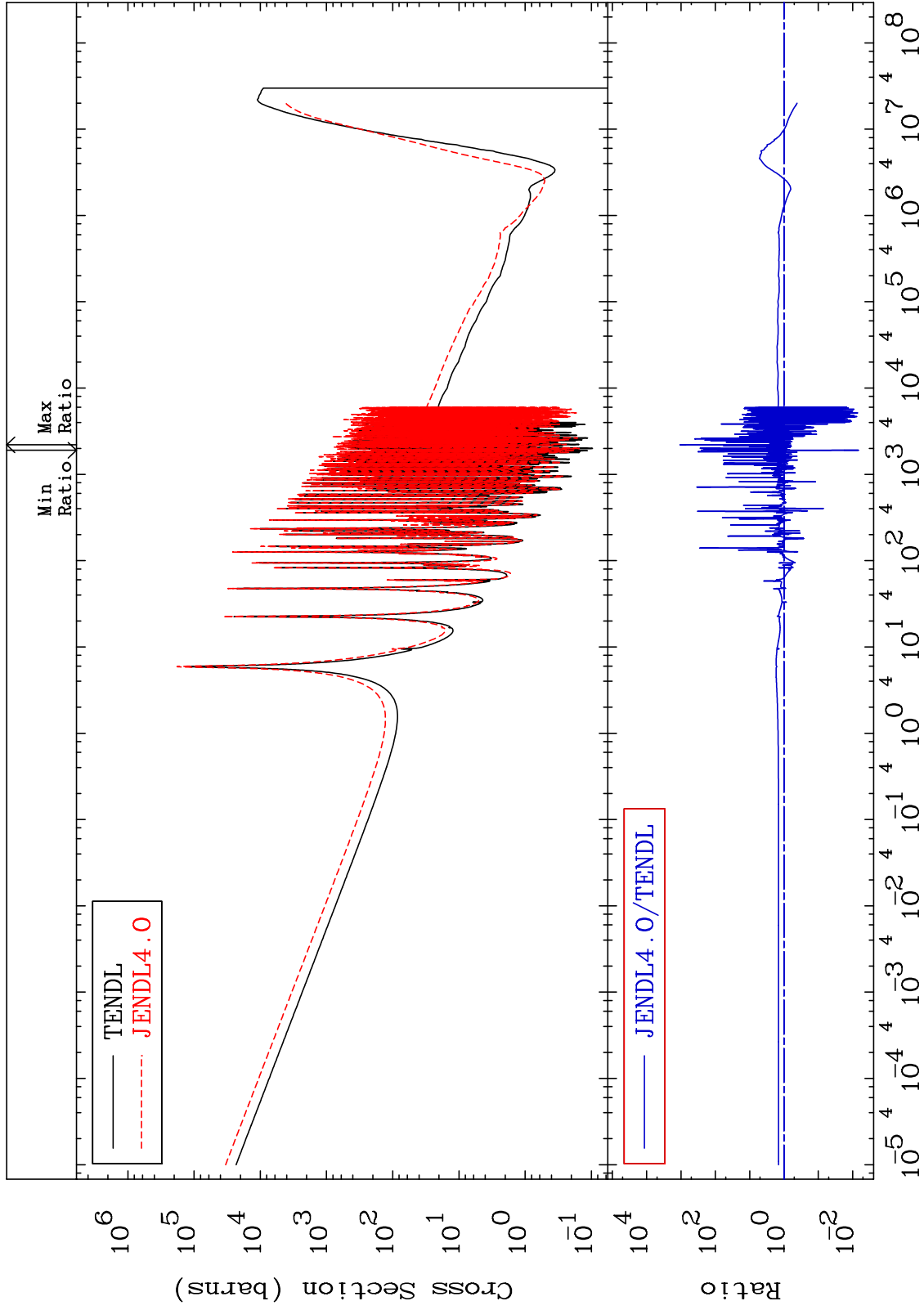
Incident Energy (eV)

55-Cs-133

MAT 5525

Dpa disappearance (mt102 -120)
Cross Section

55-Cs-133
-99.32 To 9999. %



59

Incident Energy (eV)

55-Cs-133