

Program Complot
(Version 2018-1)

by

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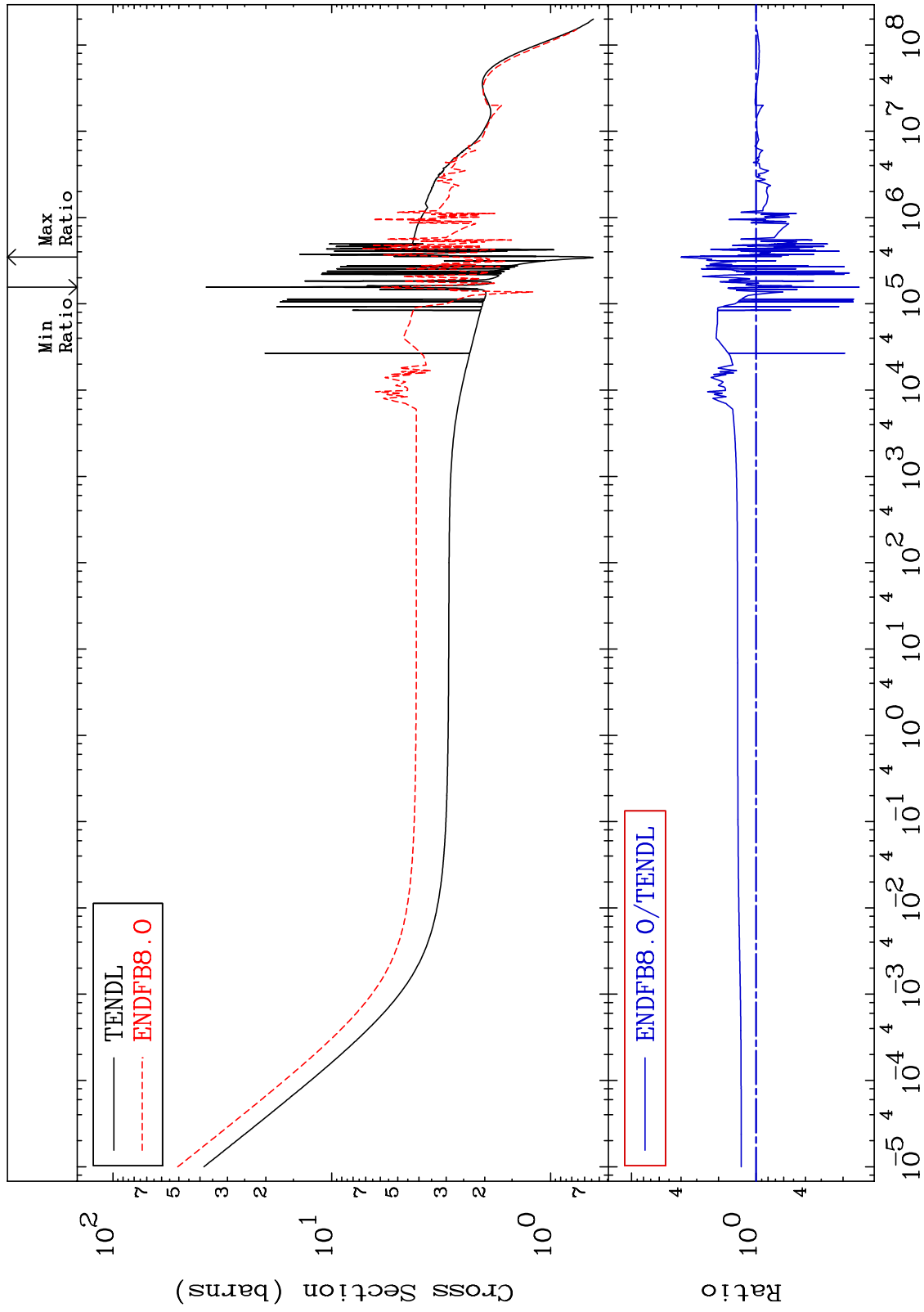
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1525 Total Cross Section 15-P -31
-85.09 To 303.0 %

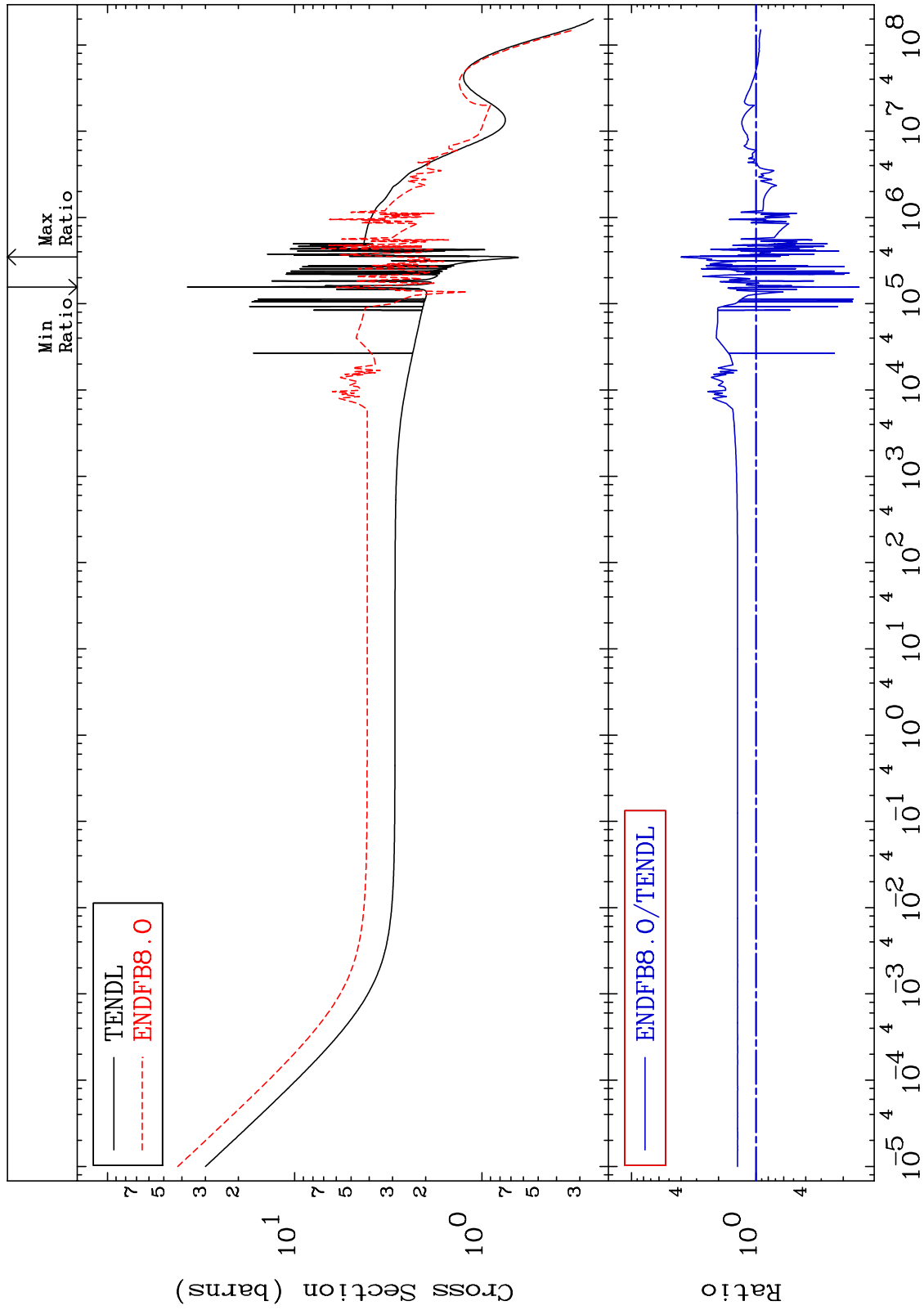


15-P -31

Incident Energy (eV)

1

MAT 1525 Elastic Cross Section 15-P -31
-85.05 To 302.8 %



2 15-P -31

MAT 1525

Inelastic
Cross Section

15-P -31
-100.0 To 188.0 %

Max
Ratio

Min
Ratio

— TENDL Threshold 1.3074 MeV
- - - ENDFB8.0 Threshold 1.3100 MeV

1.0

0.8

0.6

0.4

0.2

0.0

Cross Section (barns)

3

2

1

0

Ratio

— ENDFB8.0/TENDL

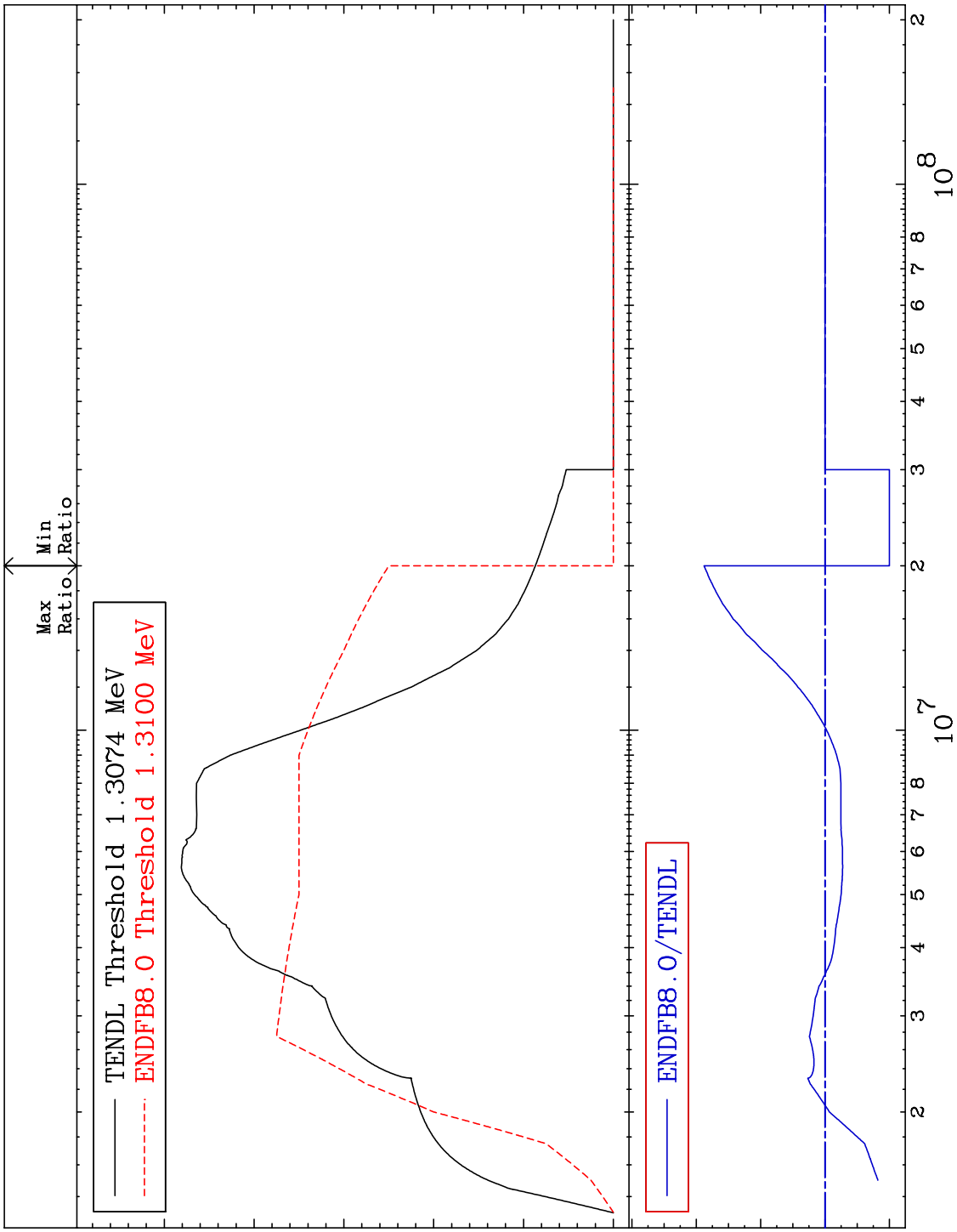
10⁷

10⁸

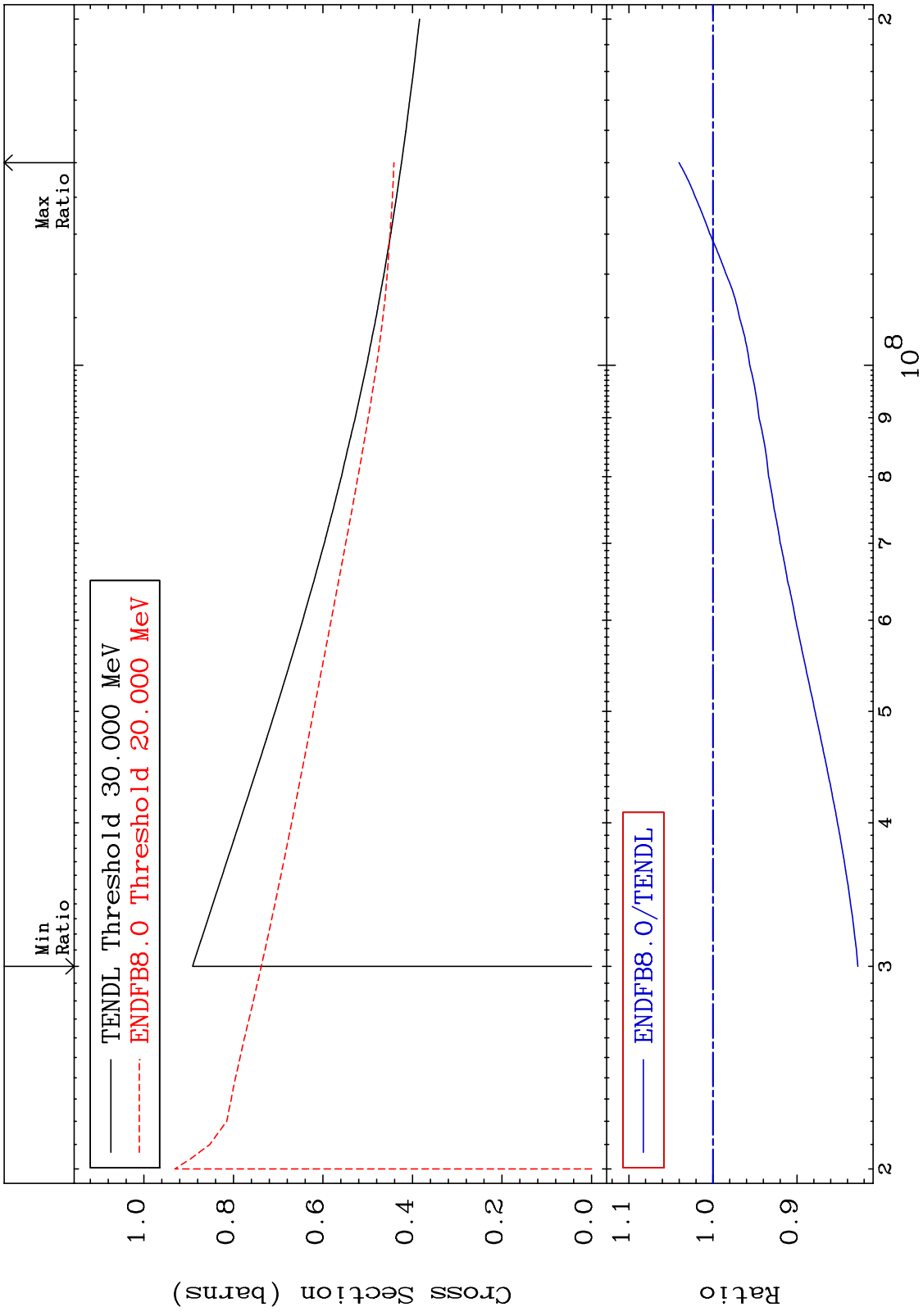
3

Incident Energy (eV)

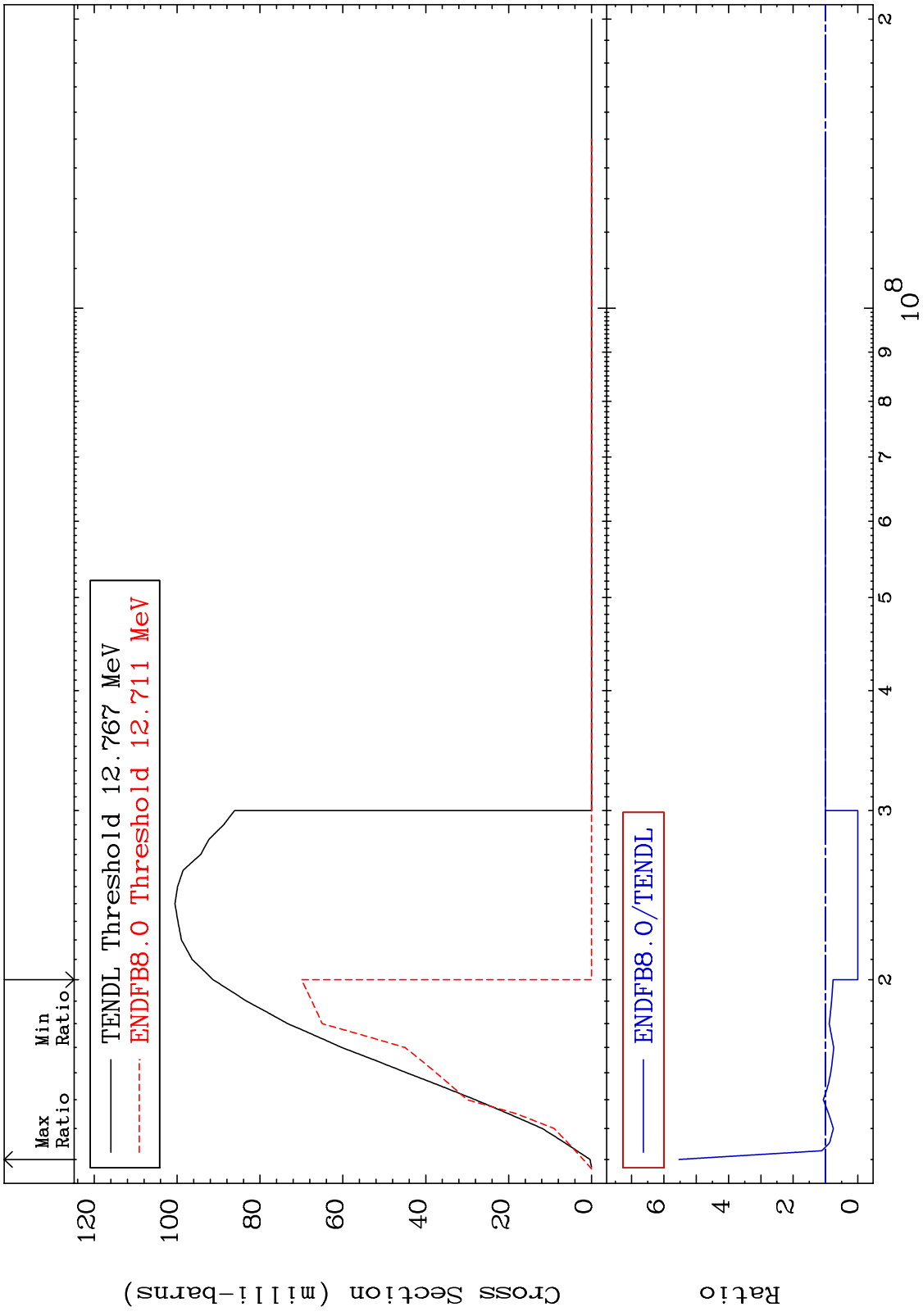
15-P -31



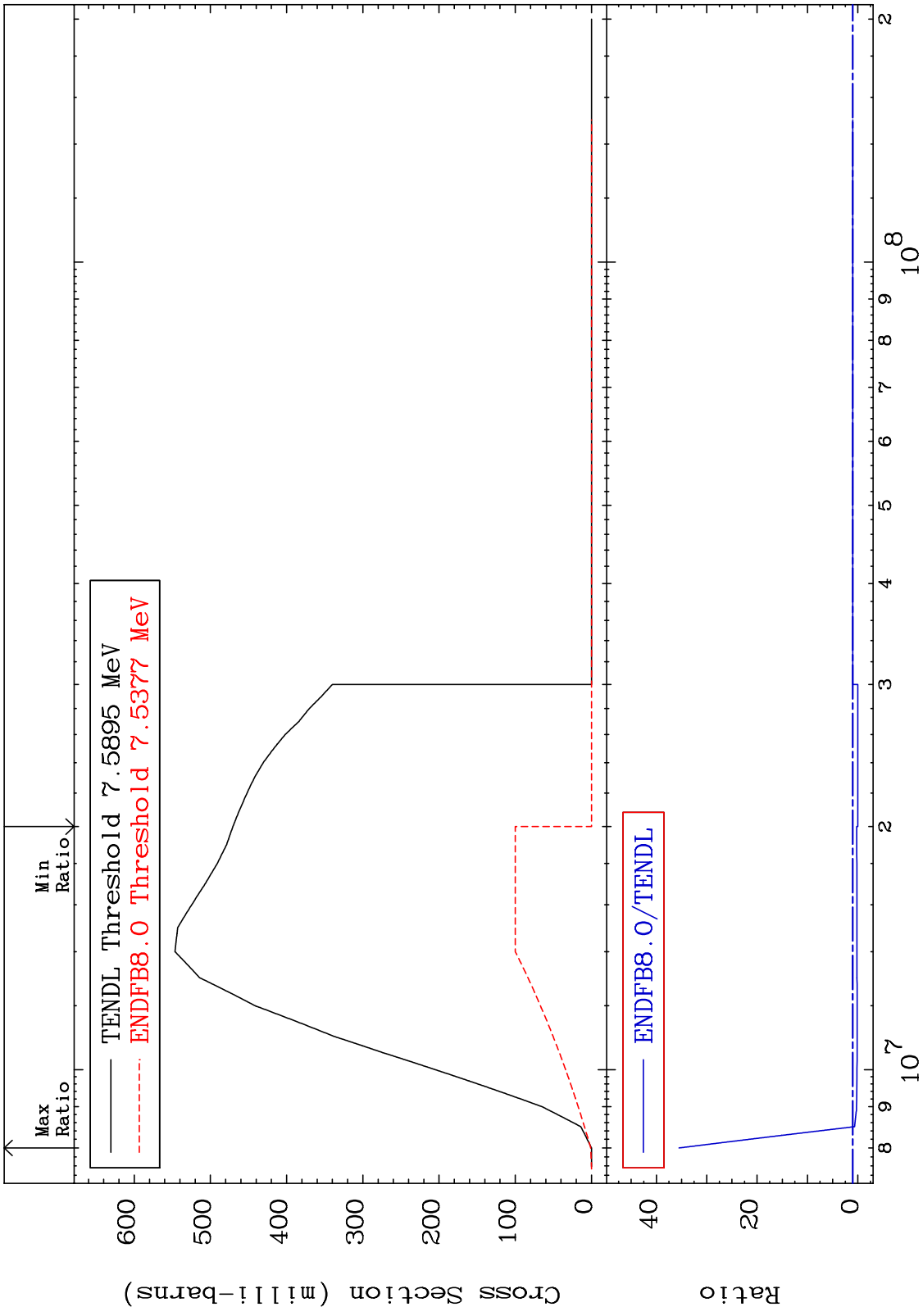
MAT 1525 (n, remainder) Cross Section 15-P -31
 -17.24 To 4.026 %



MAT 1525 (n,2n) Cross Section 15-P -31
 -100.0 To 453.0 %



MAT 1525 (n,n') p 15-P -31
 Cross Section -100.0 To 3450. %

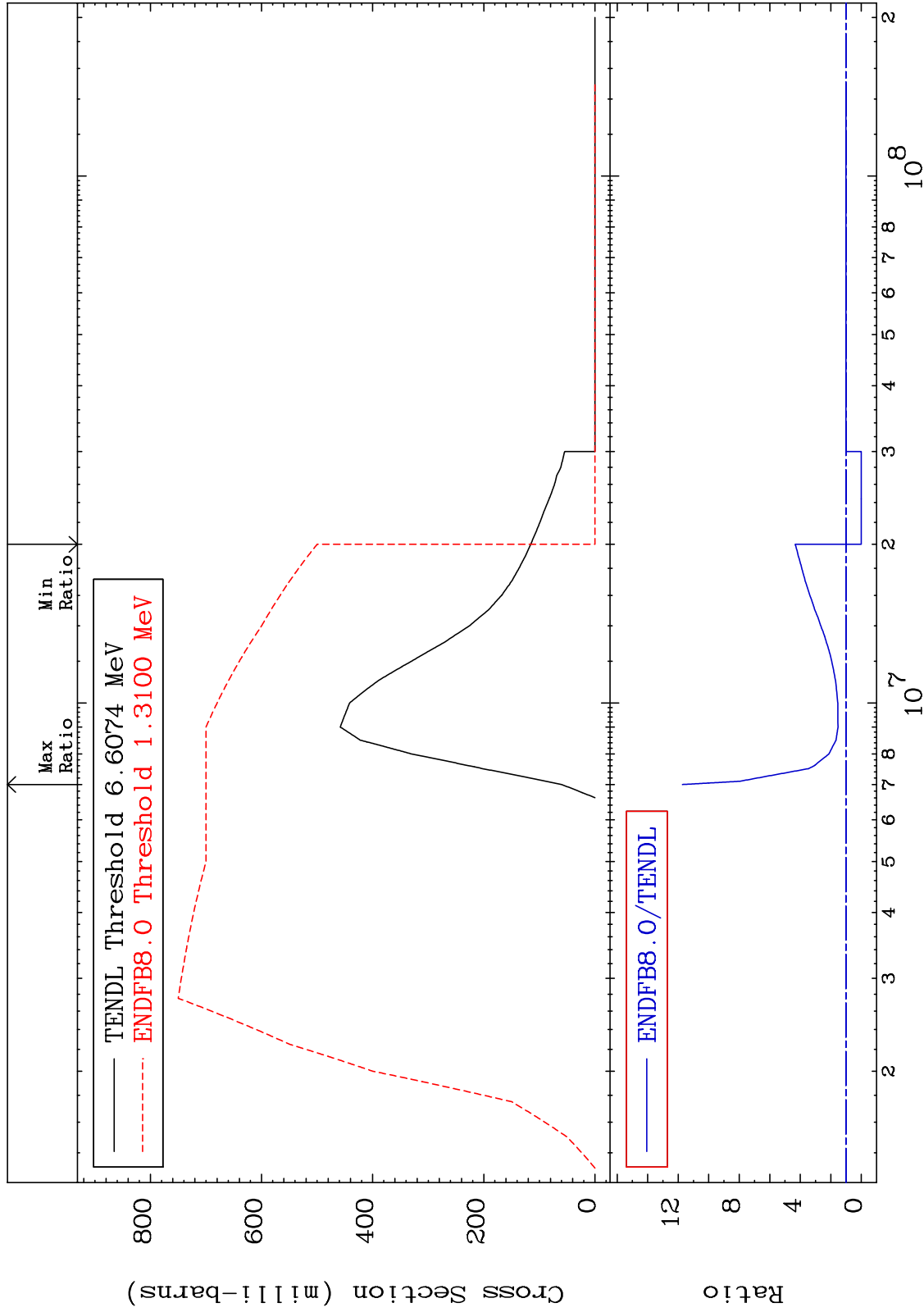


6 15-P -31

MAT 1525

(n,n') Continuum
Cross Section

15-P -31
-100.0 To 1072. %



7

Incident Energy (eV)

15-P -31

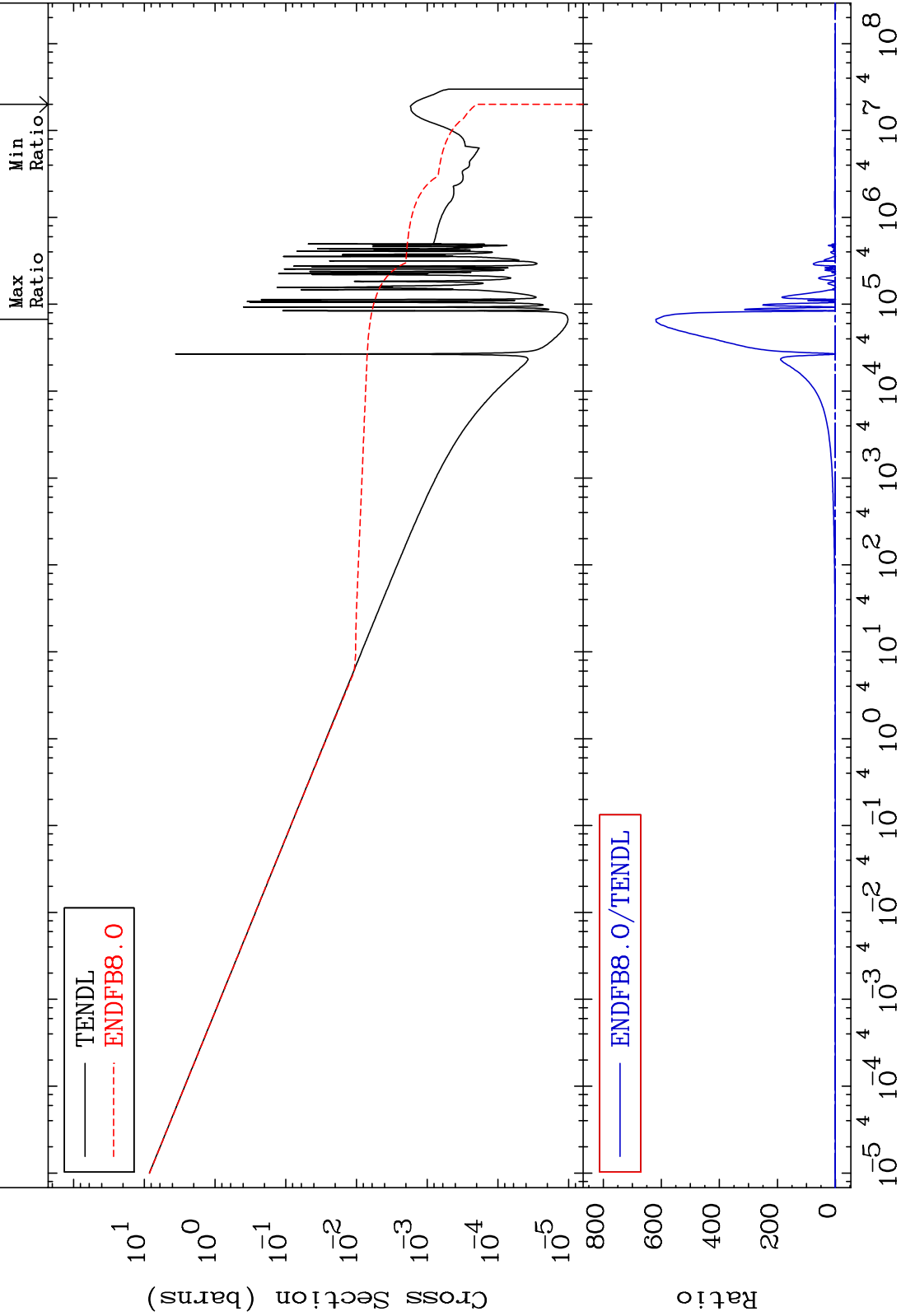
MAT 1525

(n, γ)

15-P -31

Cross Section

-100.0 To 9999. %

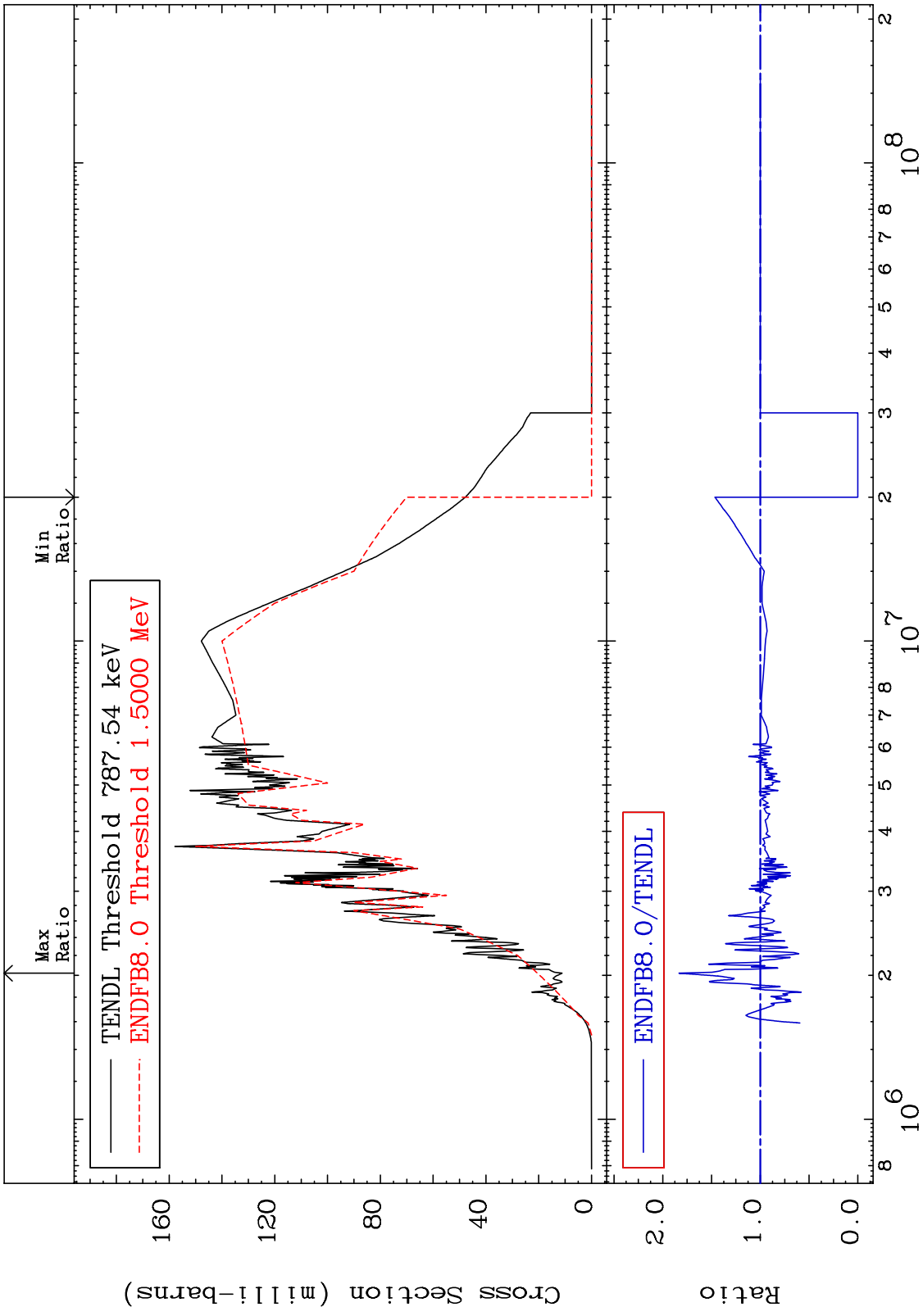


8

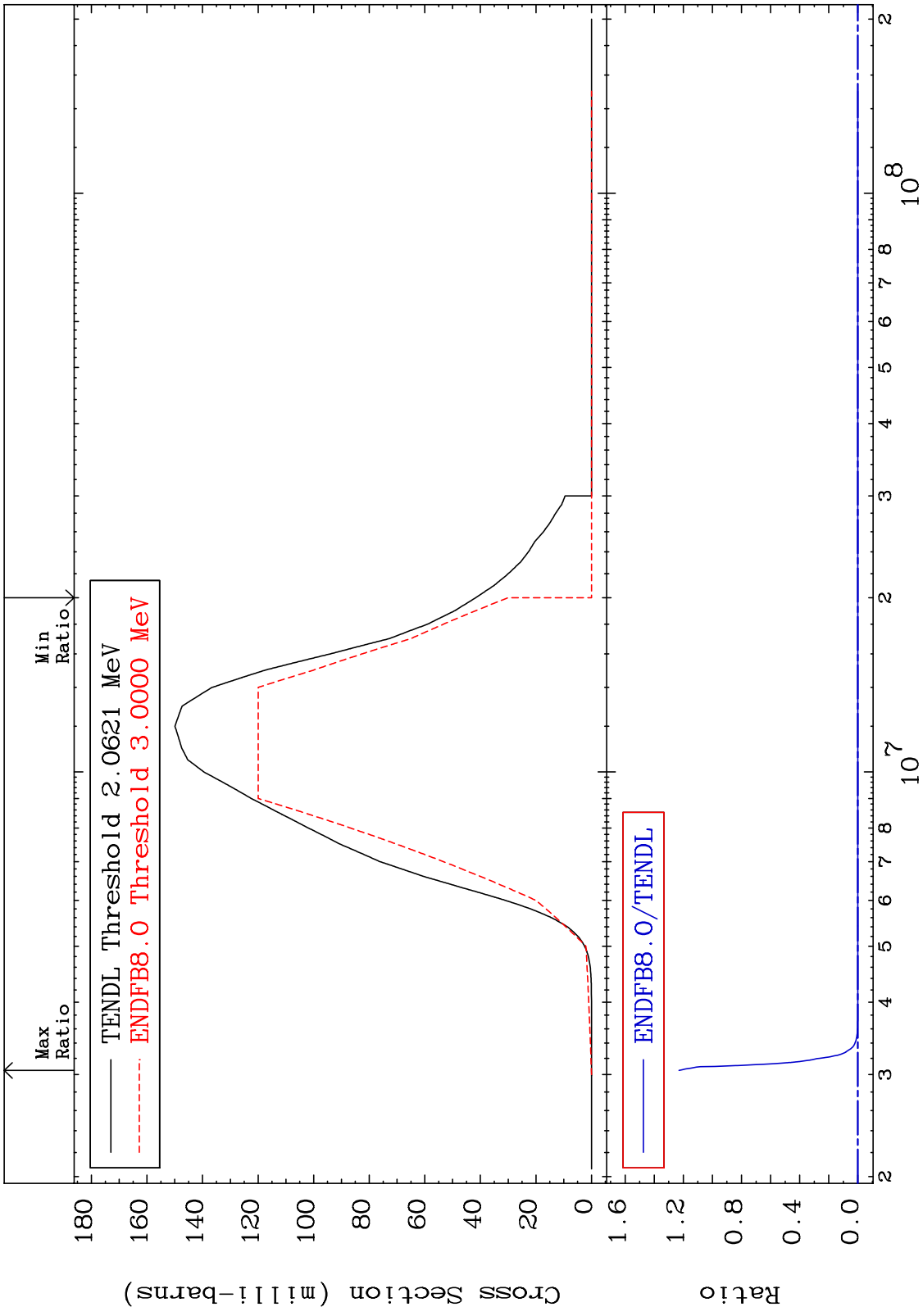
Incident Energy (eV)

15-P -31

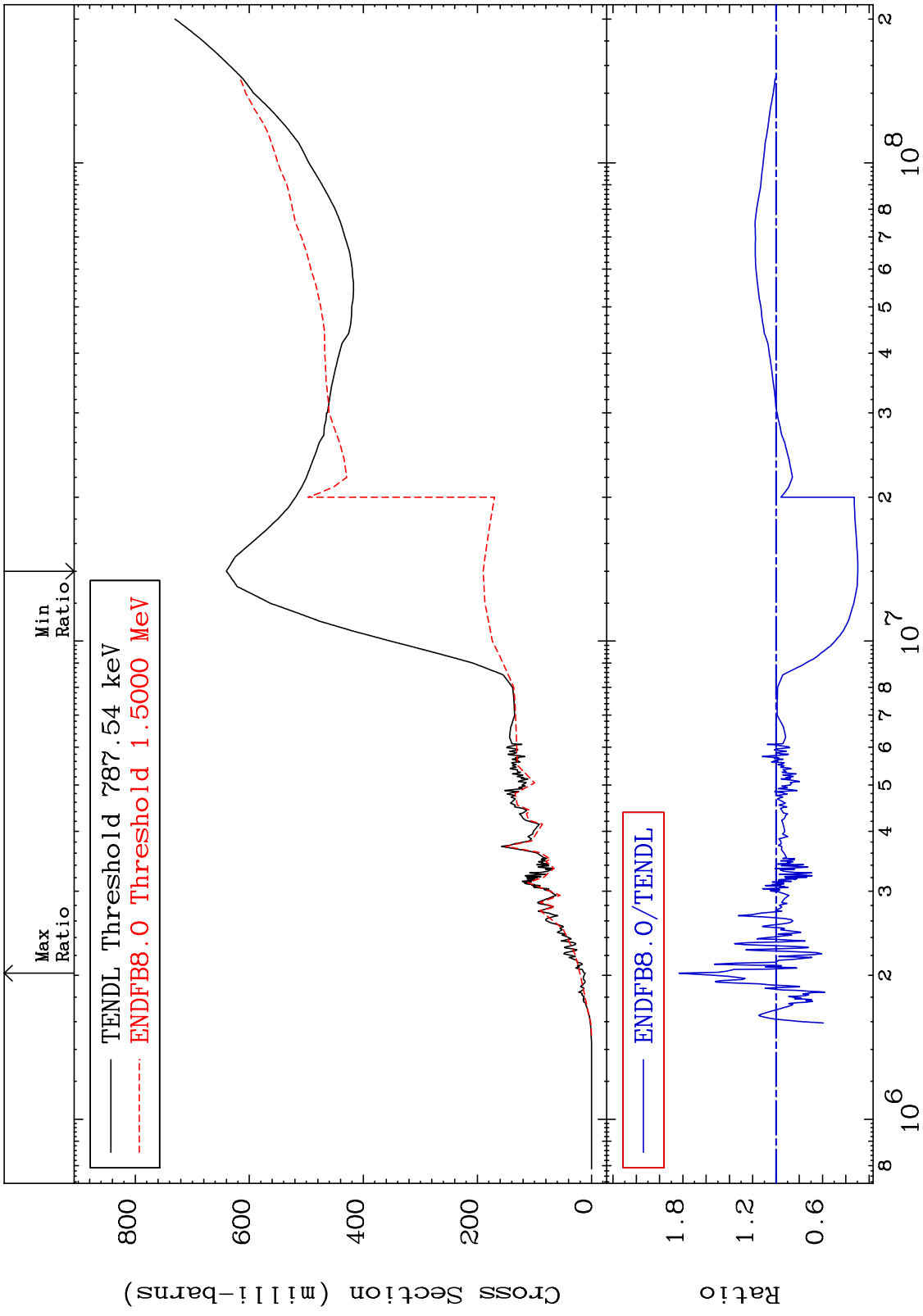
MAT 1525 (n,p) 15-P -31
Cross Section -100.0 To 83.28 %



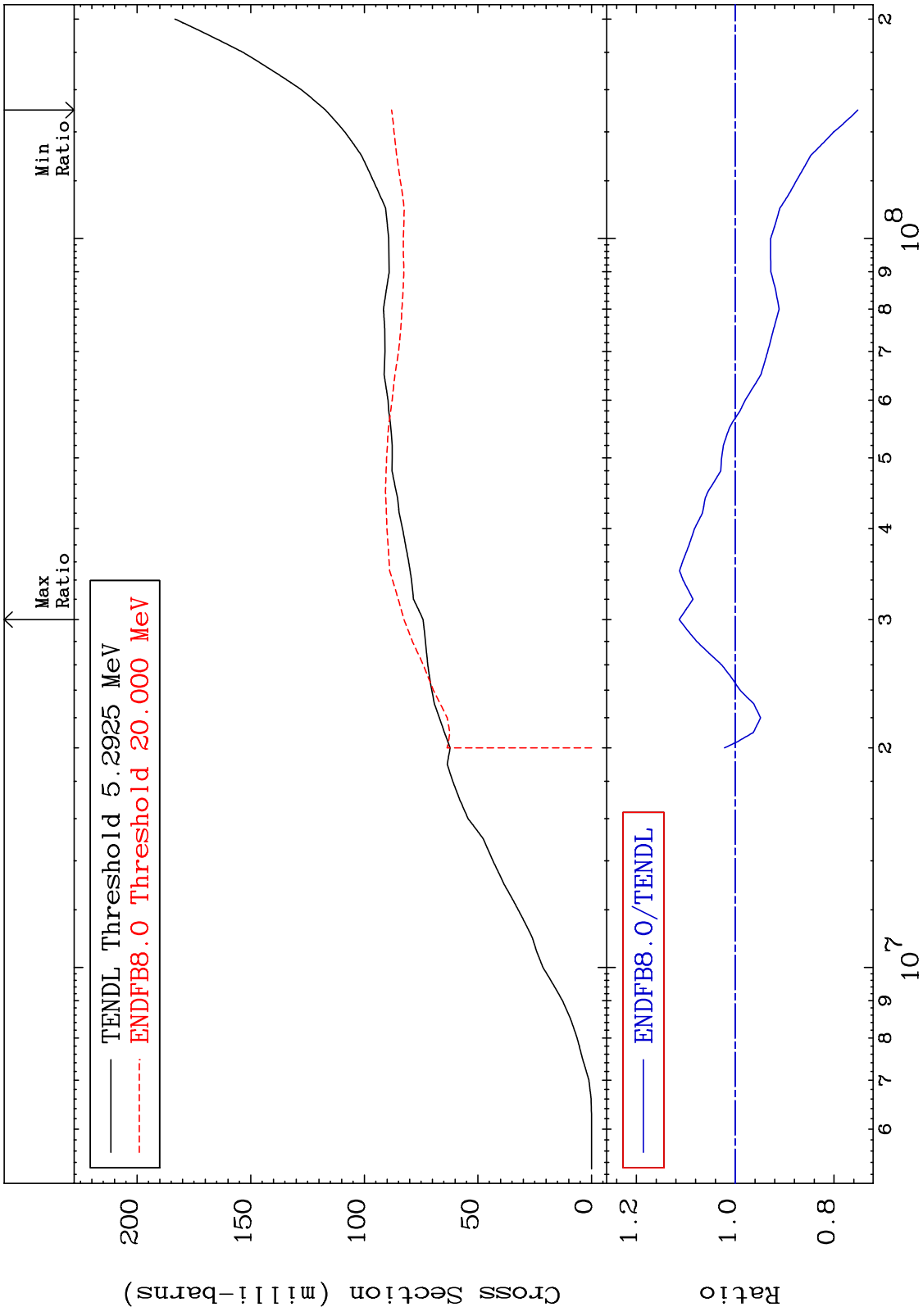
9 Incident Energy (eV) 15-P -31



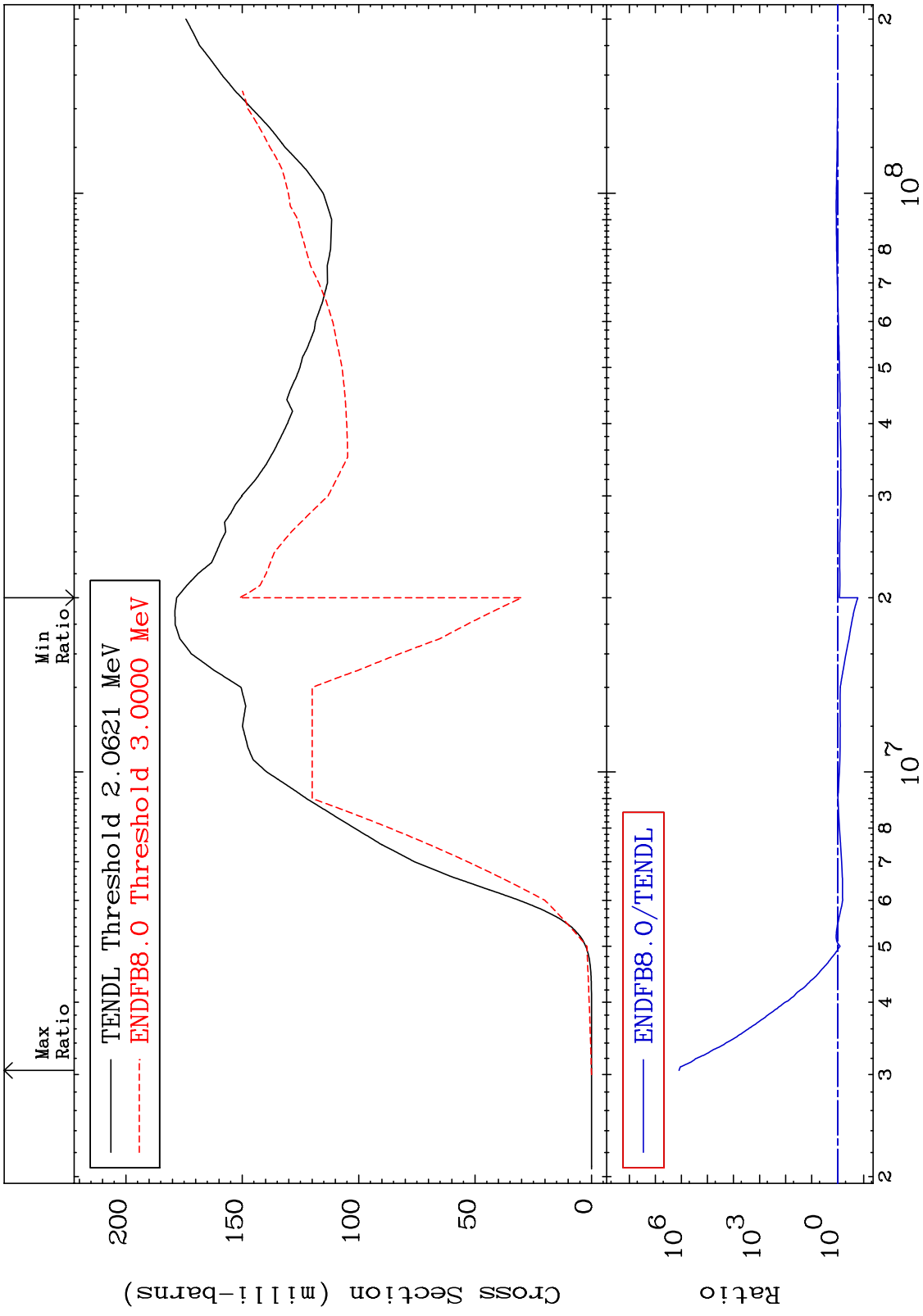
MAT 1525 Hydrogen Production Cross Section 15-P -31
 -70.32 To 83.28 %



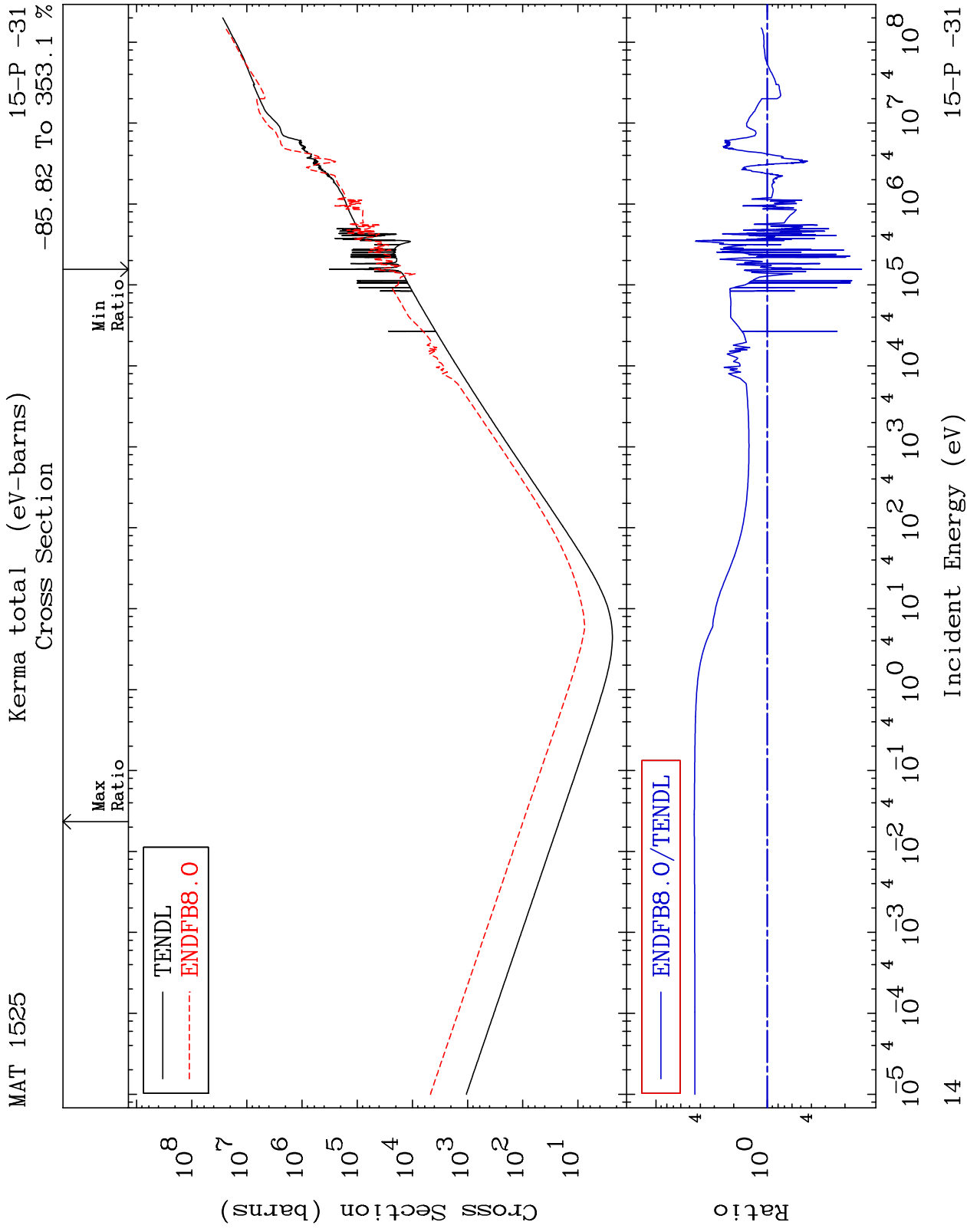
11 15-P -31



MAT 1525 He-4 Production Cross Section 15-P -31
 -83.16 To 9999. %



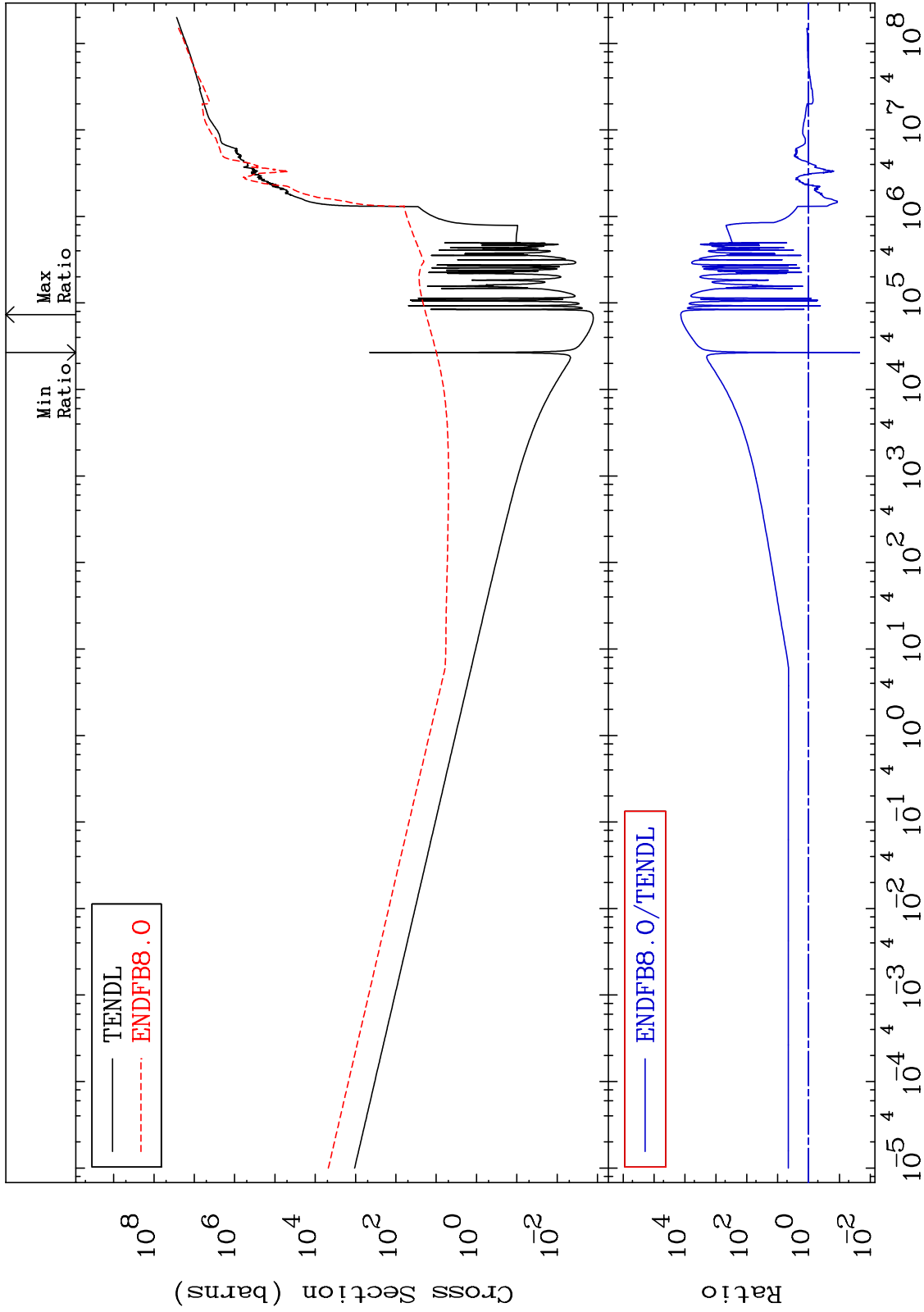
13 15-P -31



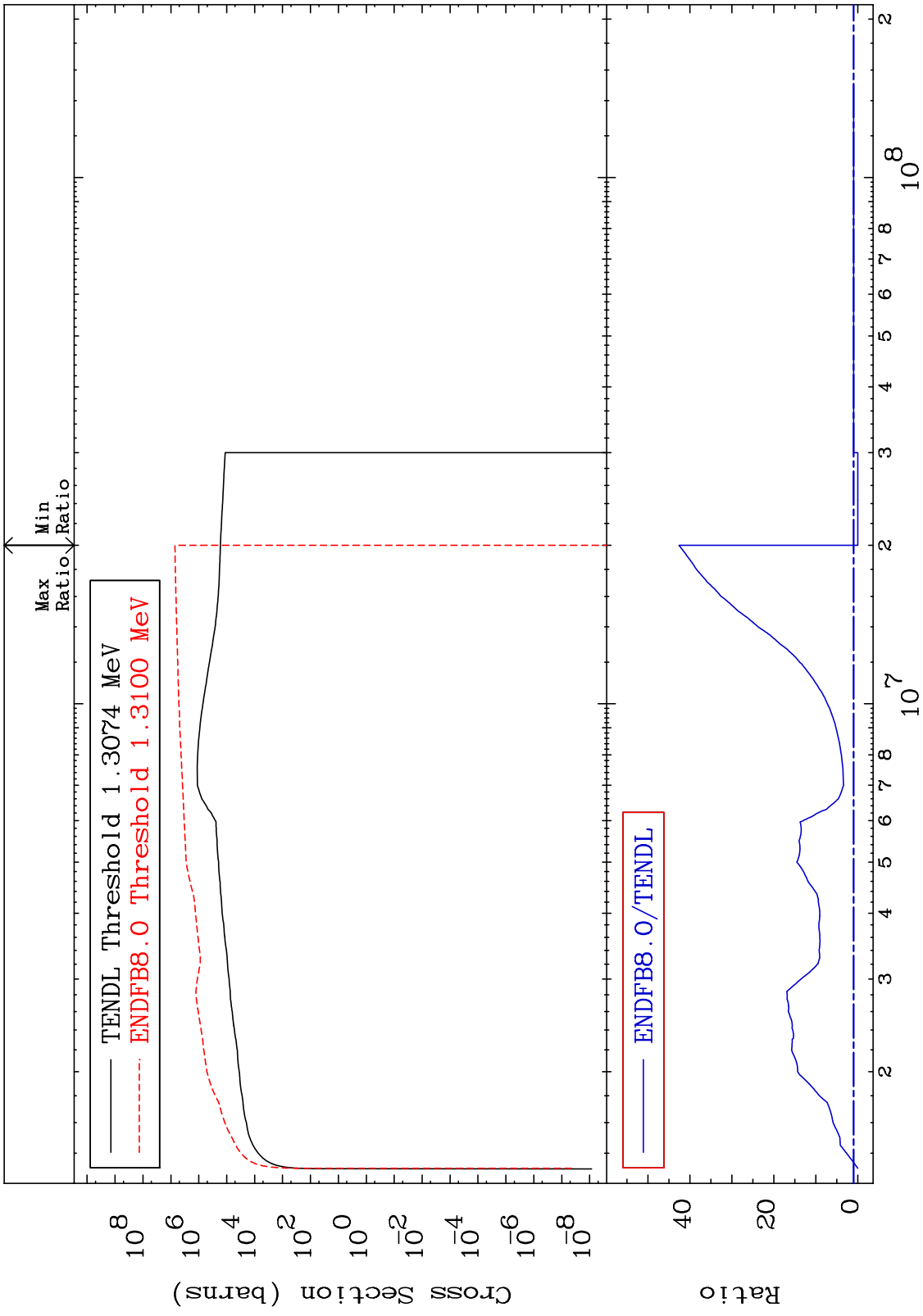
MAT 1525

Kerma non-elastic (all but mt2)
Cross Section

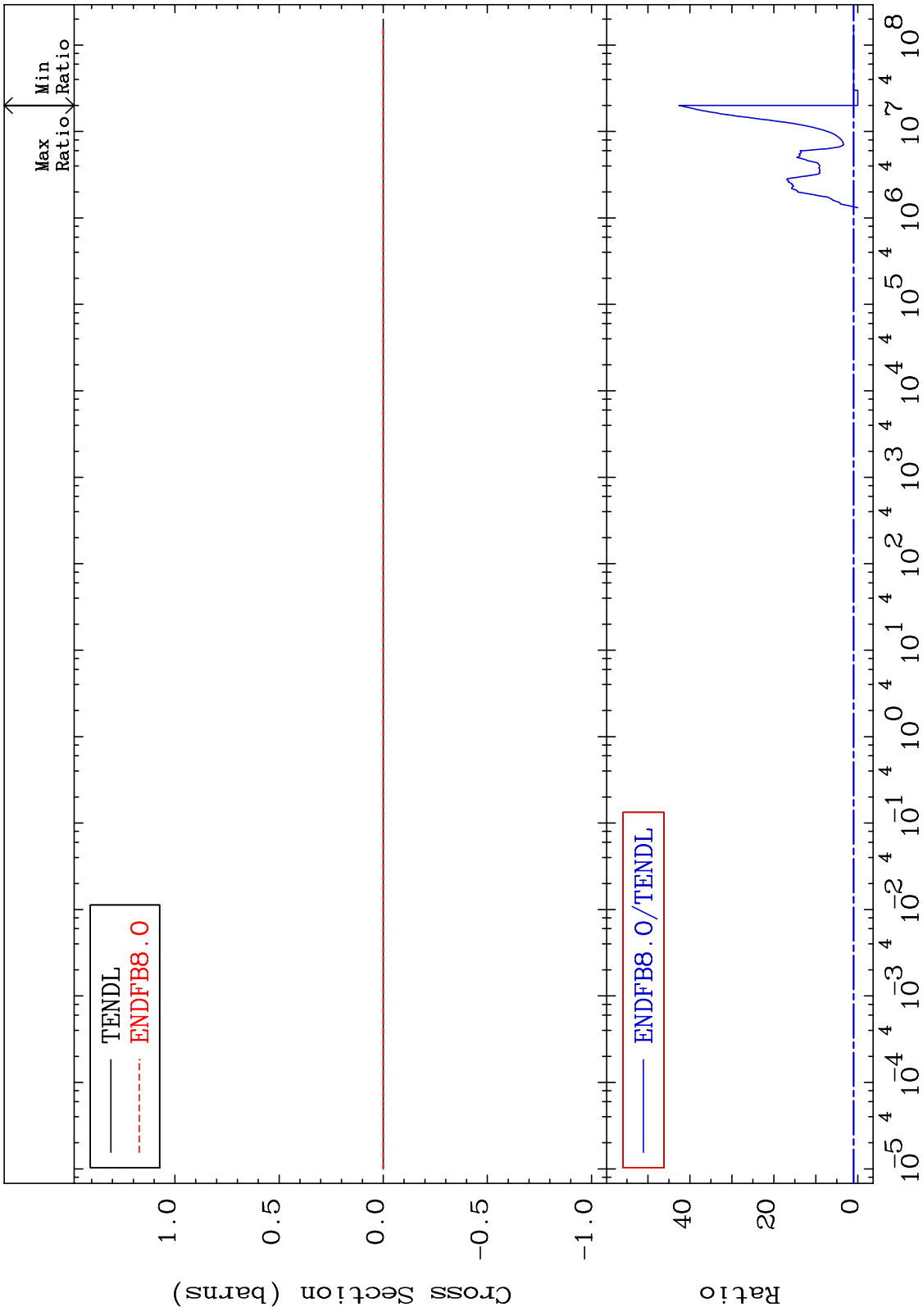
15-P -31
-97.79 To 9999. %



MAT 1525 Kerma inelastic (mt51-91) 15-P -31
 -100.0 To 4161. %
 Cross Section



MAT 1525 Kerma fission (mt18 or mt19-20-21-38) 15-P -31
 Cross Section -100.0 To 4161. %

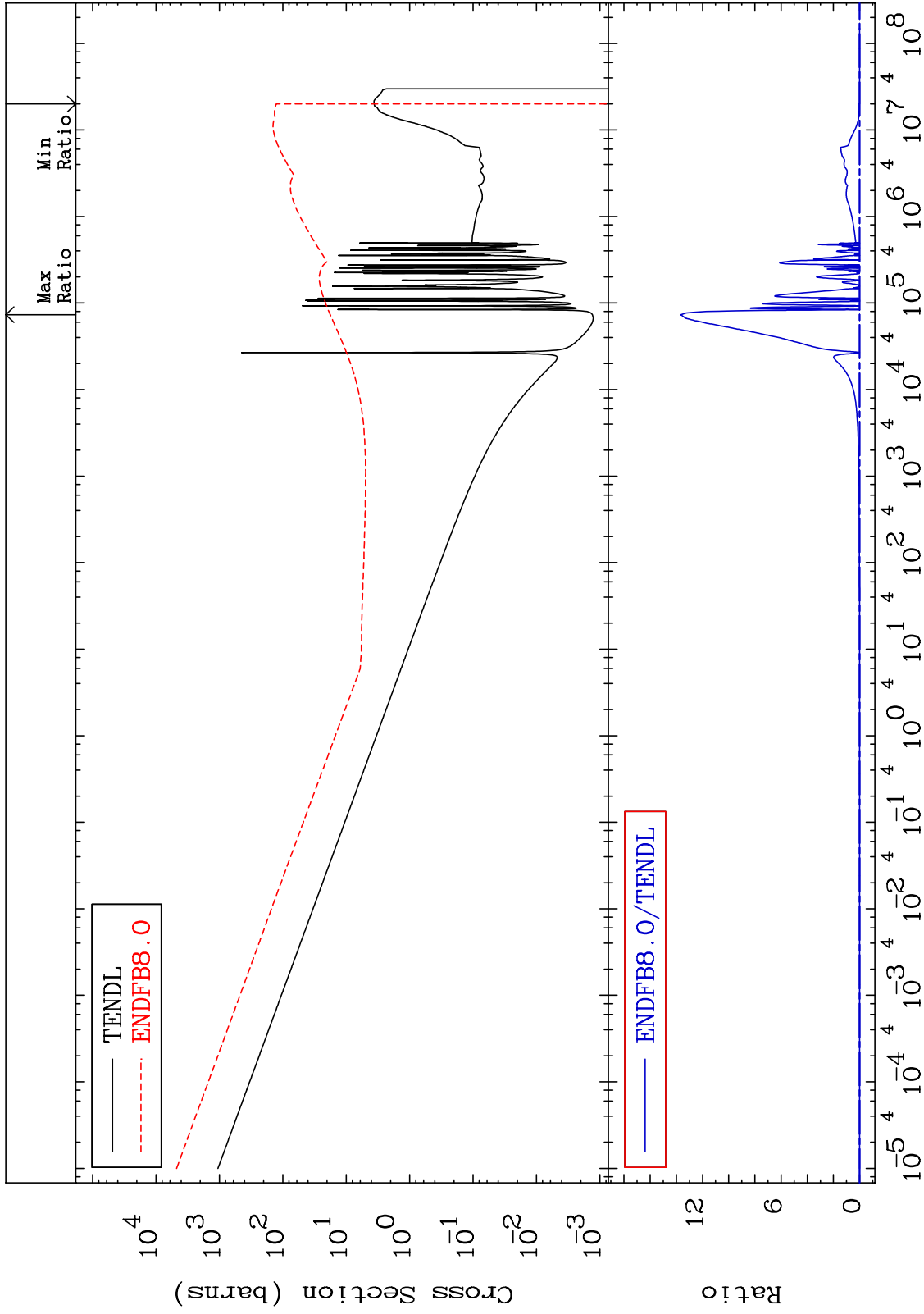


18 Incident Energy (eV) 15-P -31

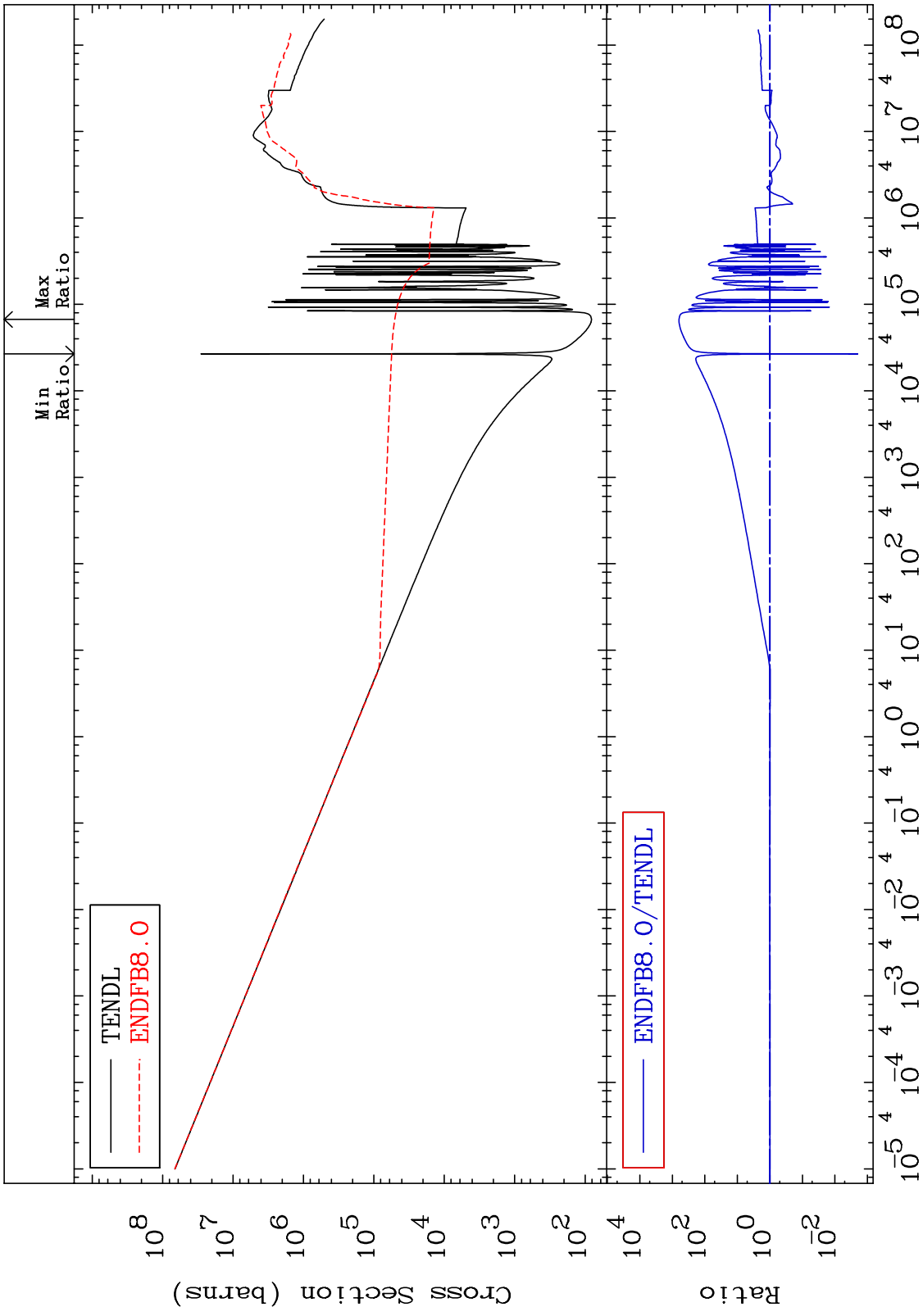
MAT 1525

Kerma capture (mt102)
Cross Section

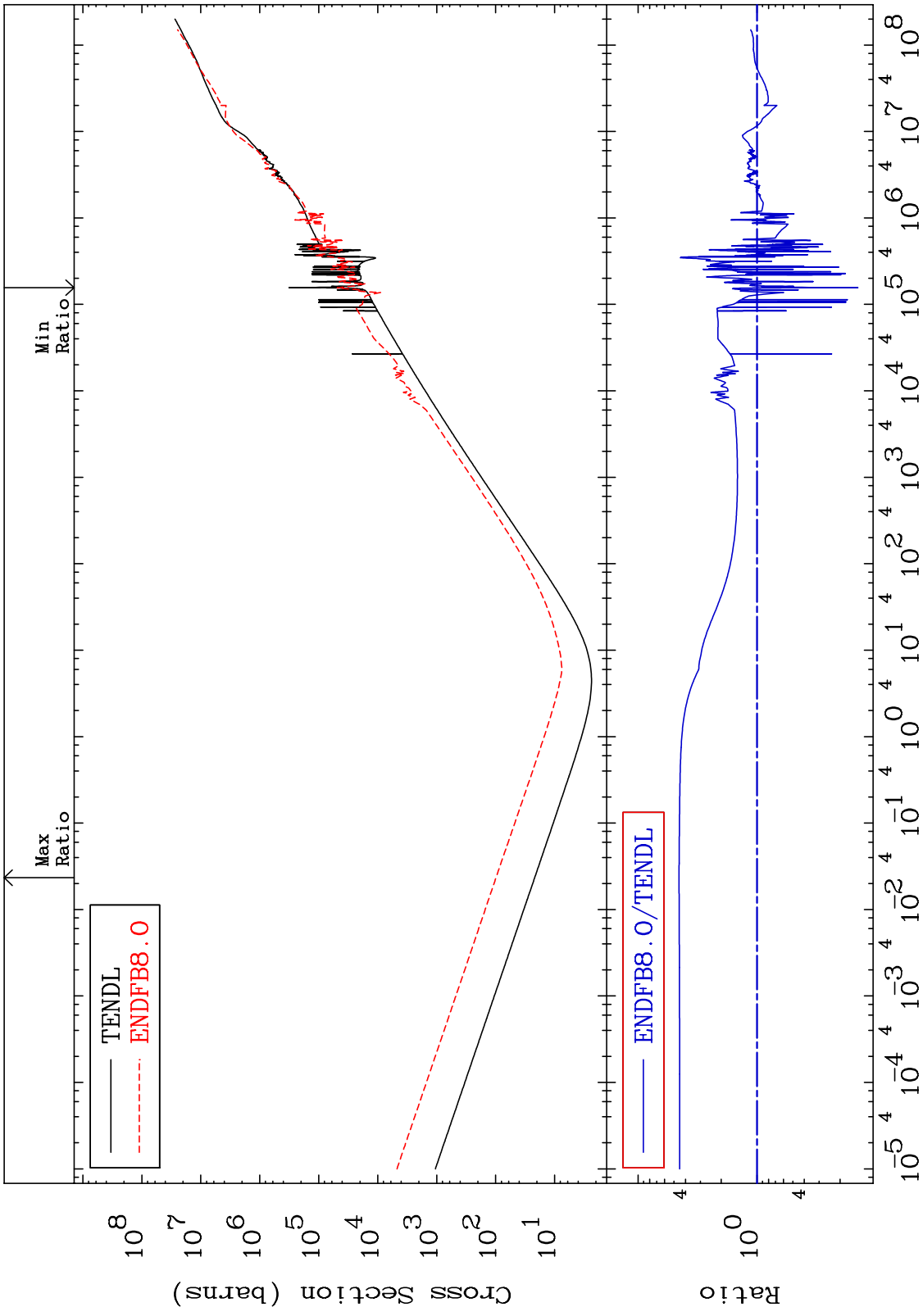
15-P -31
-100.0 To 9999. %



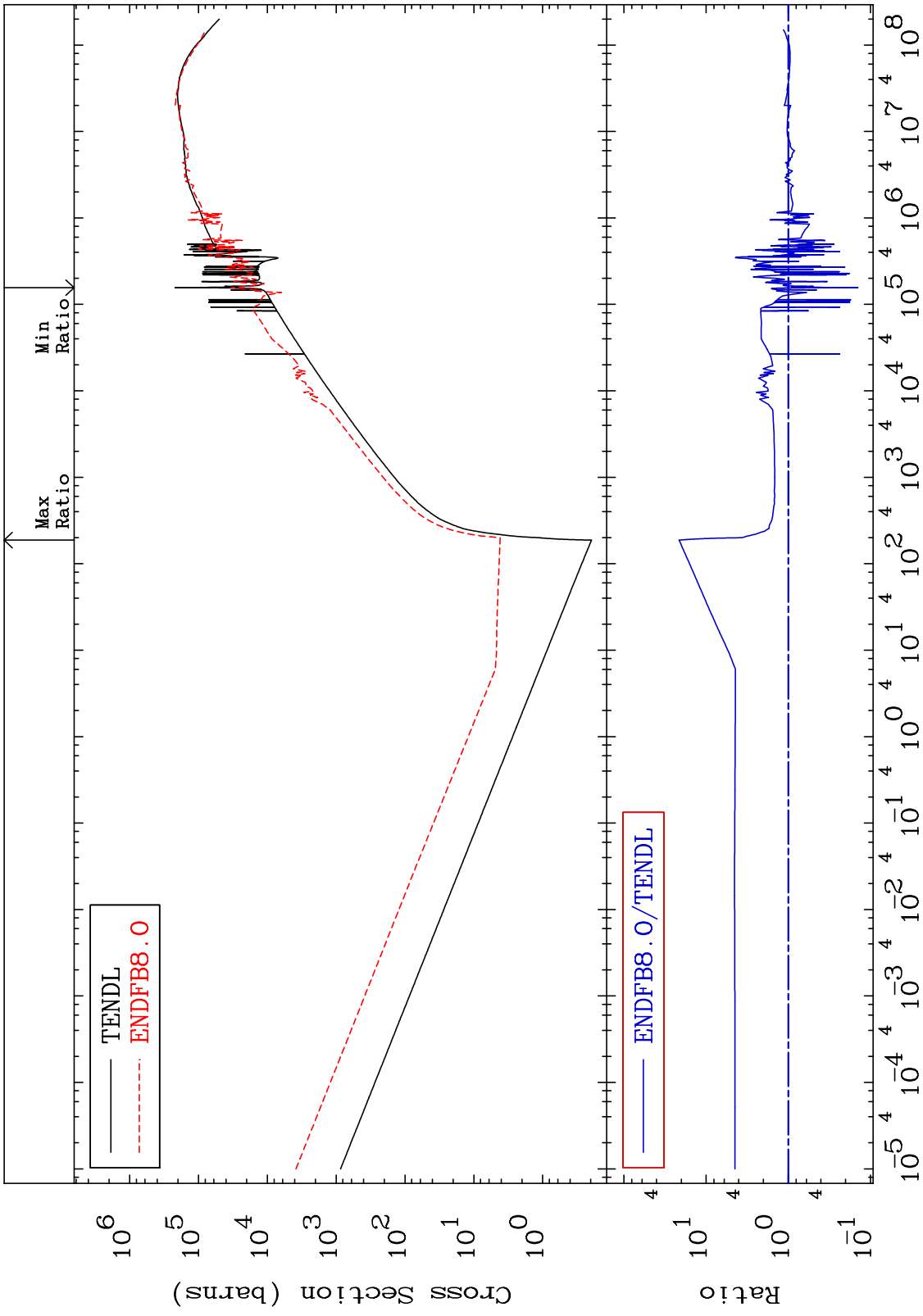
MAT 1525 15-P -31
 Total photon (eV-barns) -99.80 To 9999. %
 Cross Section



MAT 1525 Total kinematic kerma (high limit) Cross Section 15-P -31
 -85.82 To 353.1 %



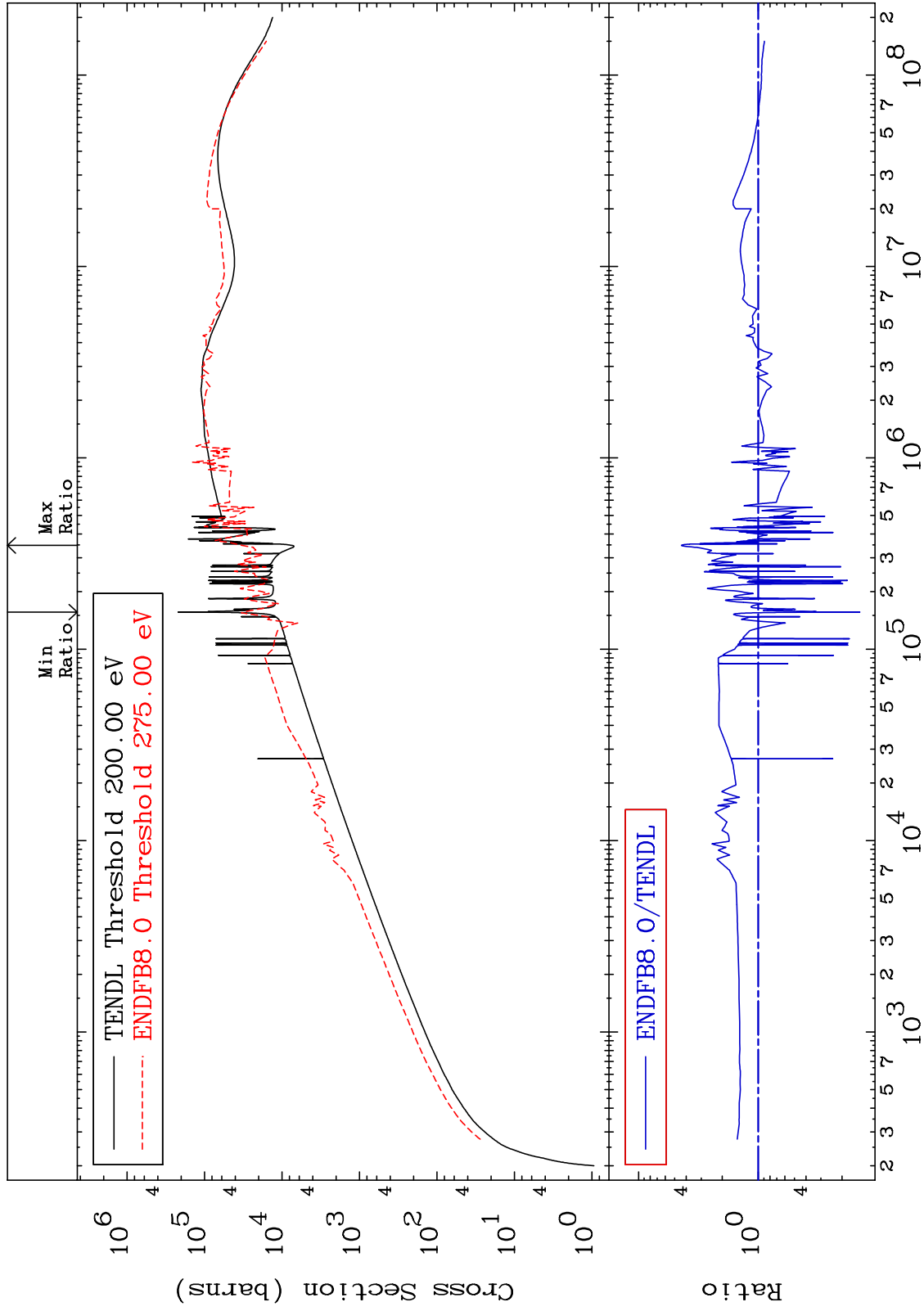
MAT 1525 Dpa total (eV-barns) 15-P -31
 Cross Section -85.79 To 2029. %

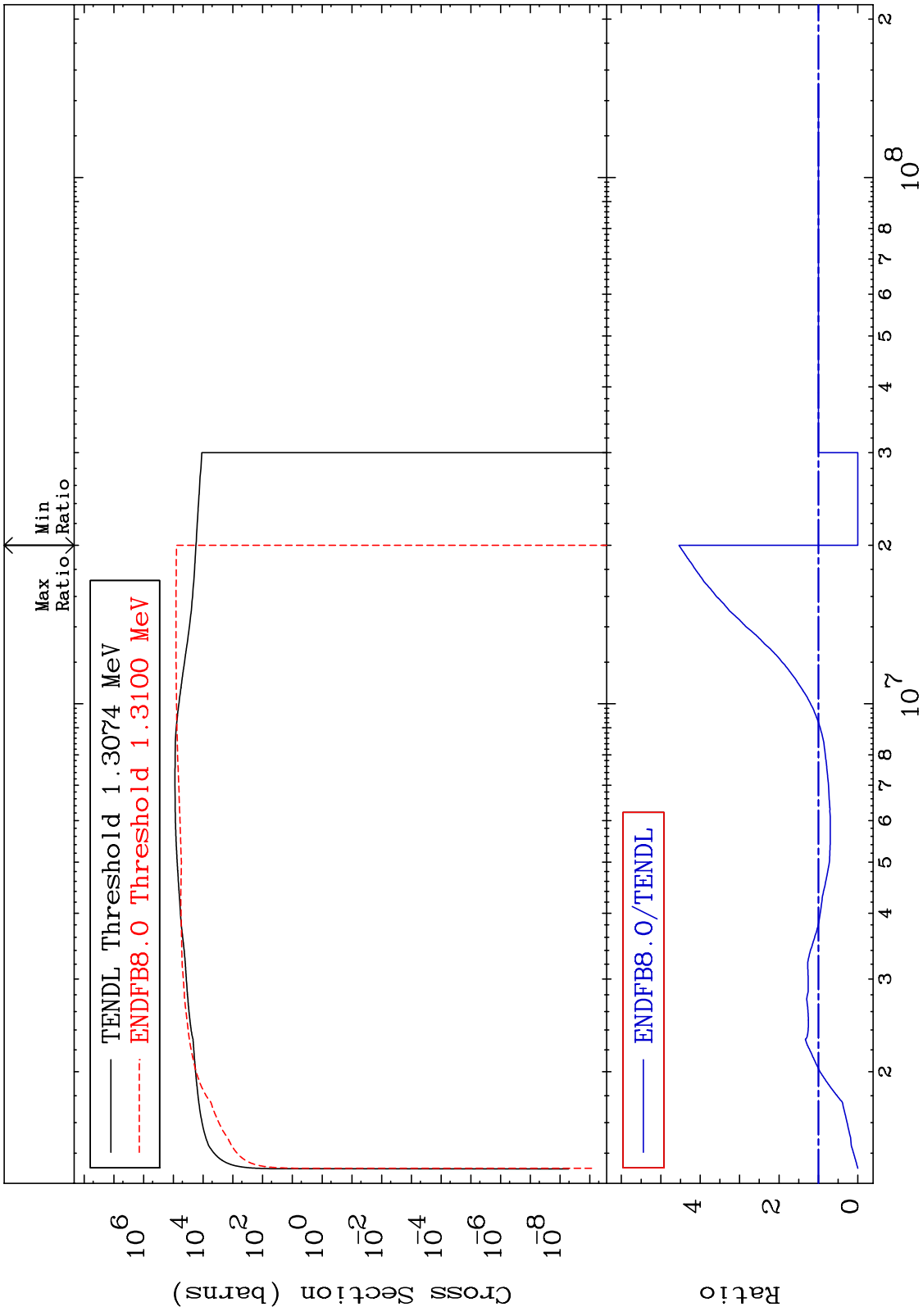


MAT 1525

Dpa elastic (mt2)
Cross Section

15-P -31
-85.79 To 340.4 %





MAT 1525

Dpa disappearance (mt102 -120)
Cross Section

15-P -31
-100.0 To 9999. %

