

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 5534

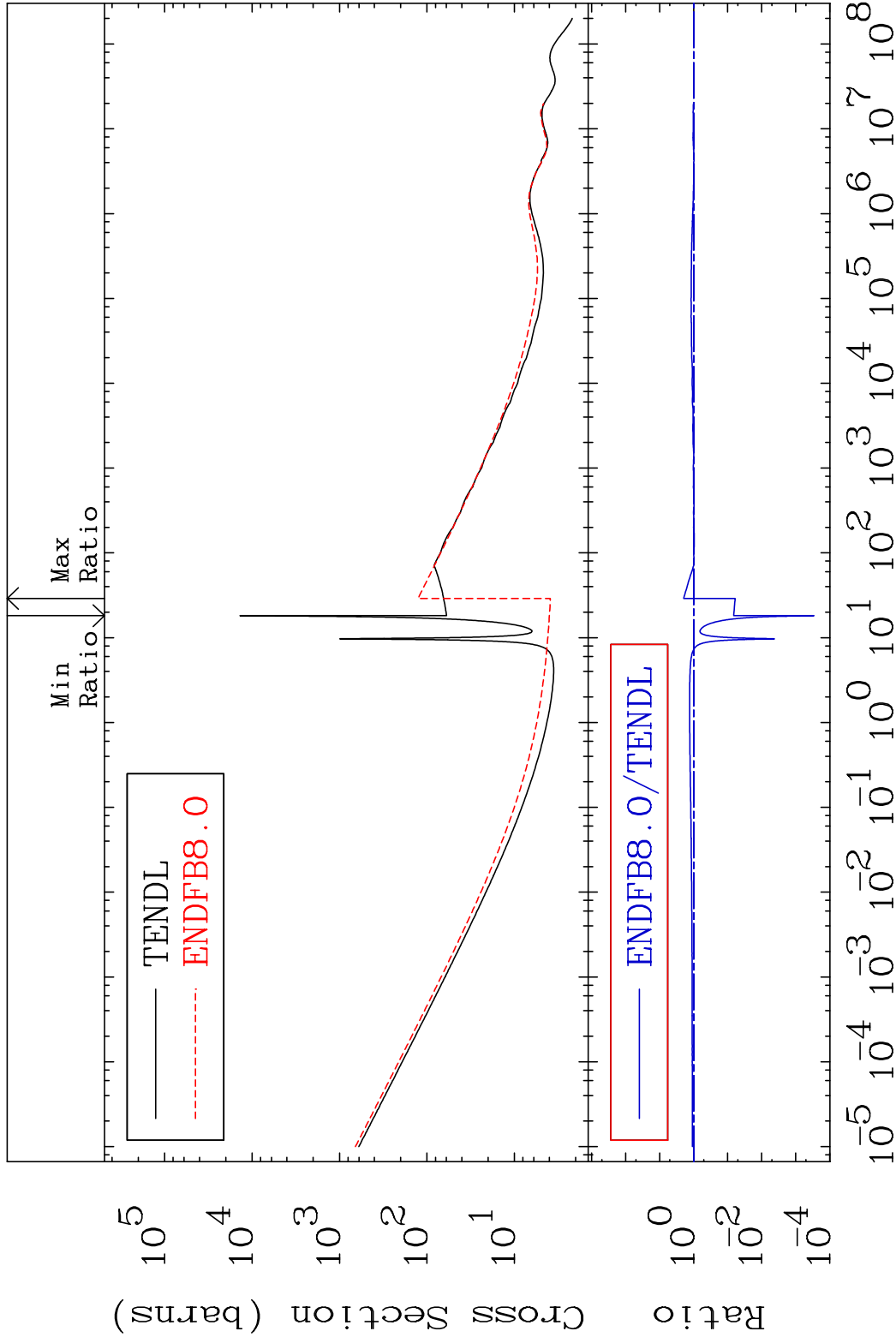
Total

55-Cs-136

Cross Section

-99.97

To 96.47 %



1

Incident Energy (eV)

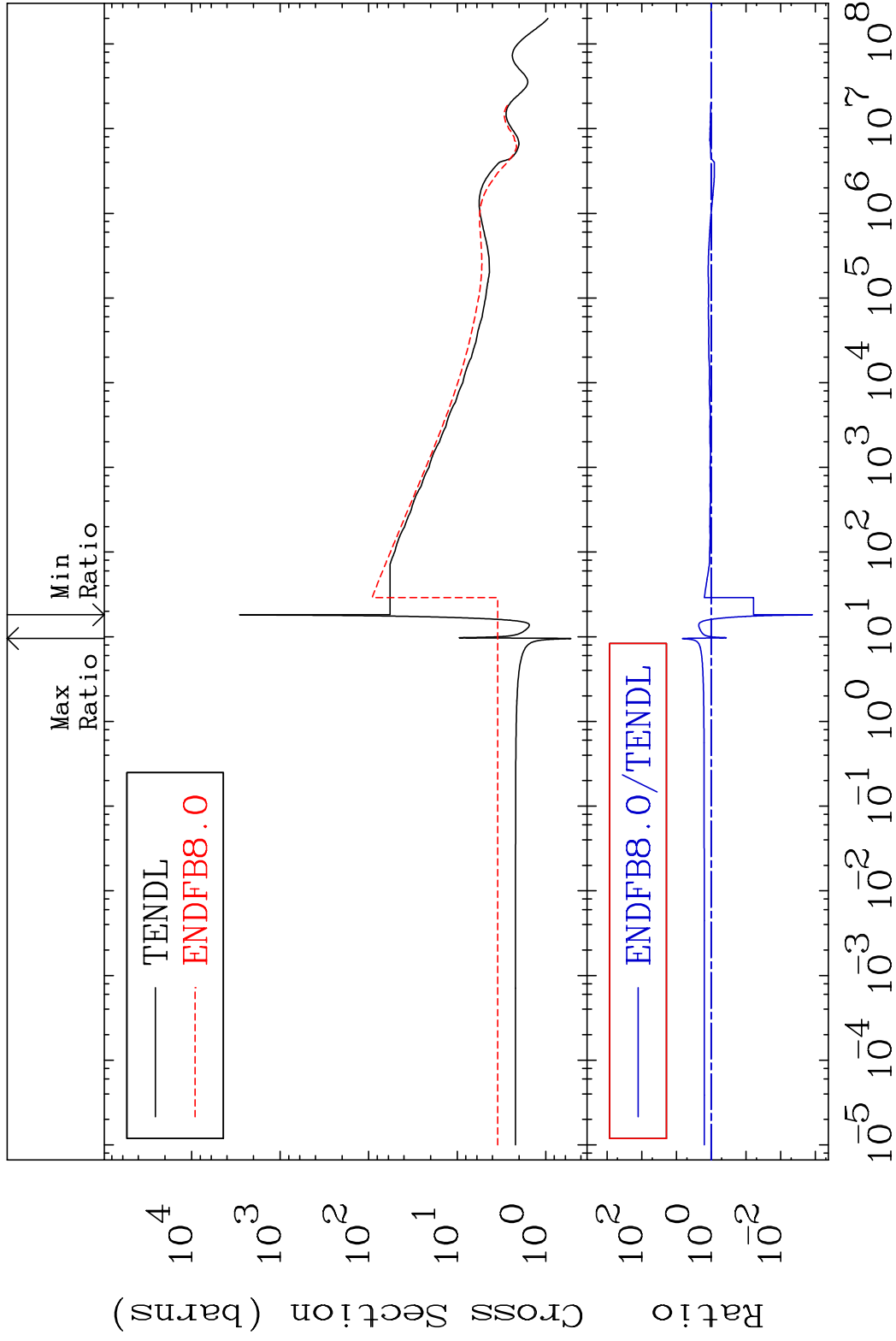
55-Cs-136

MAT 5534

Elastic

55-Cs-136

Cross Section -99.88 To 578.4 %



2

Incident Energy (eV)

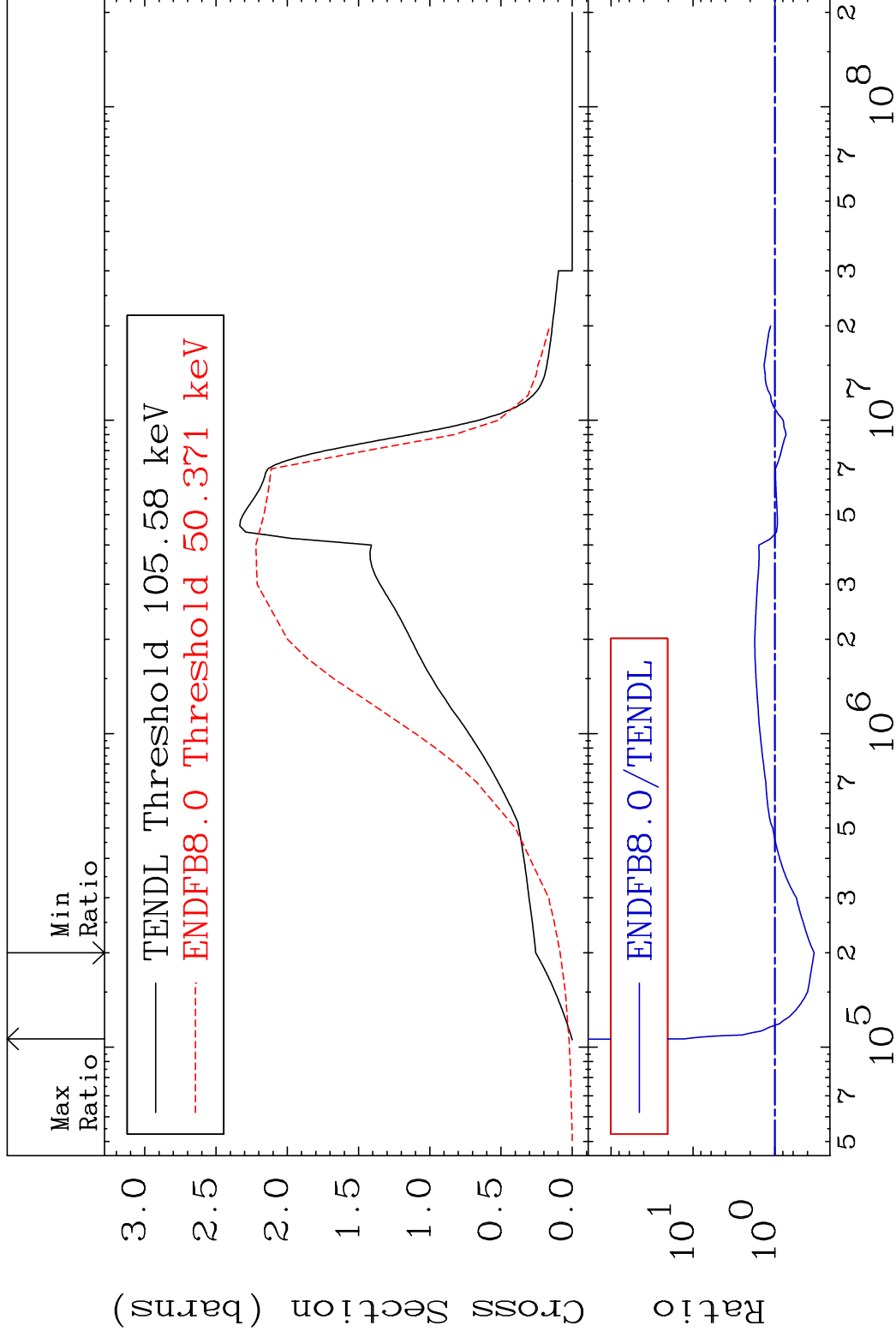
55-Cs-136

MAT 5534

Inelastic

55-Cs-136

Cross Section -66.76 To 1200. %



3

Incident Energy (eV)

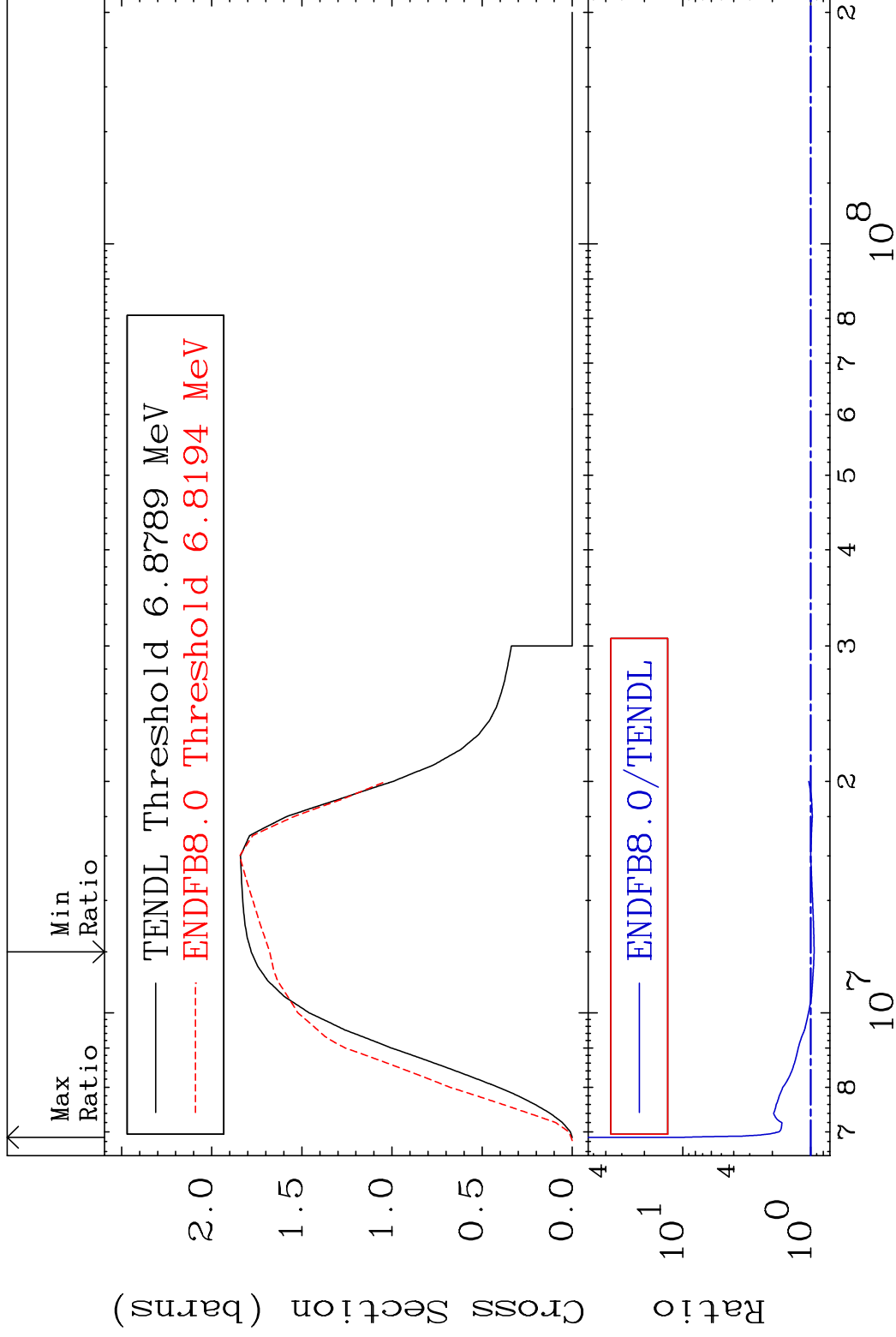
55-Cs-136

MAT 5534

(n,2n)

55-Cs-136

Cross Section -5.719 To 885.7 %



4

Incident Energy (eV)

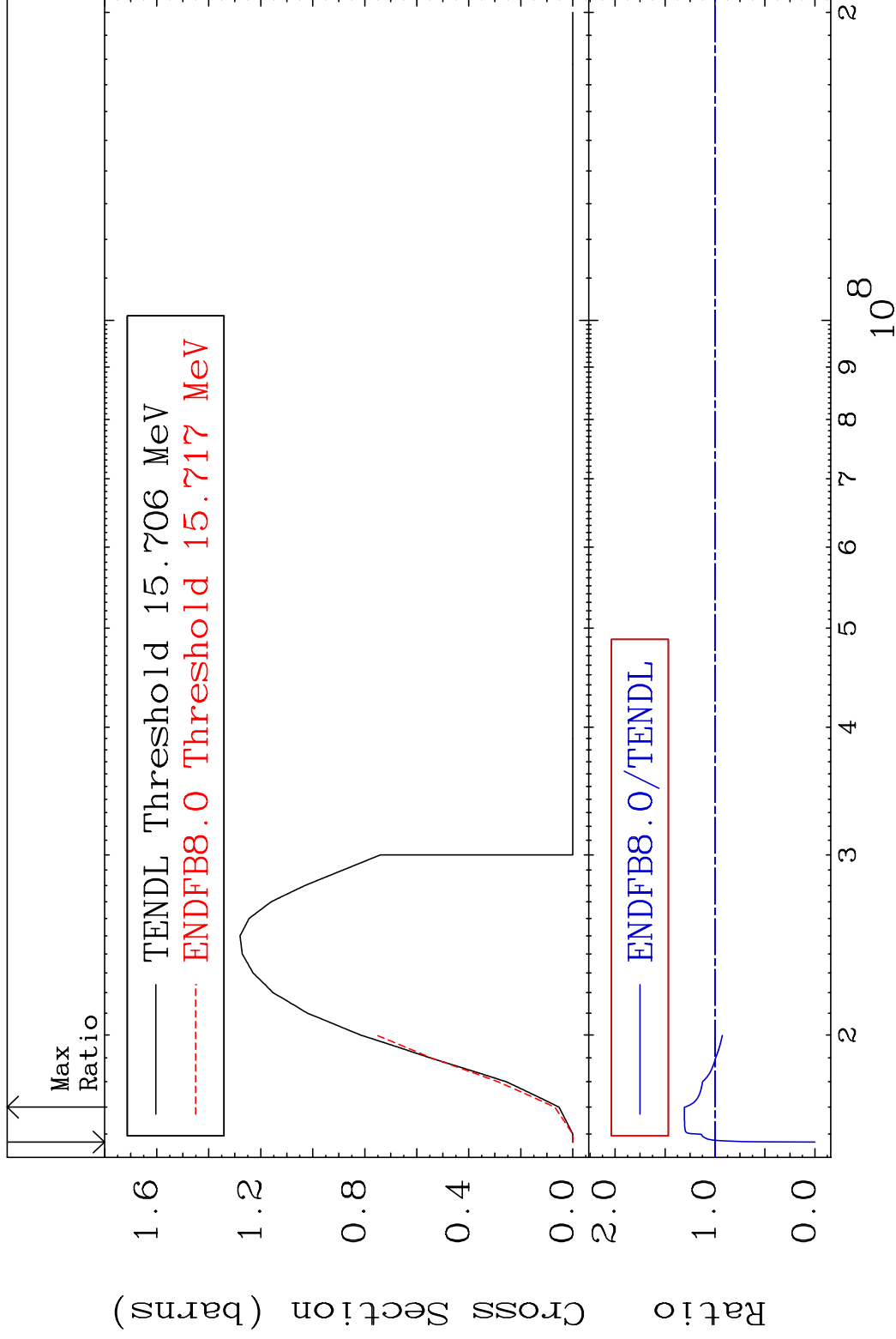
55-Cs-136

MAT 5534

(n,3n)

55-Cs-136

Cross Section -100.0 To 30.70 %



5

Incident Energy (eV)

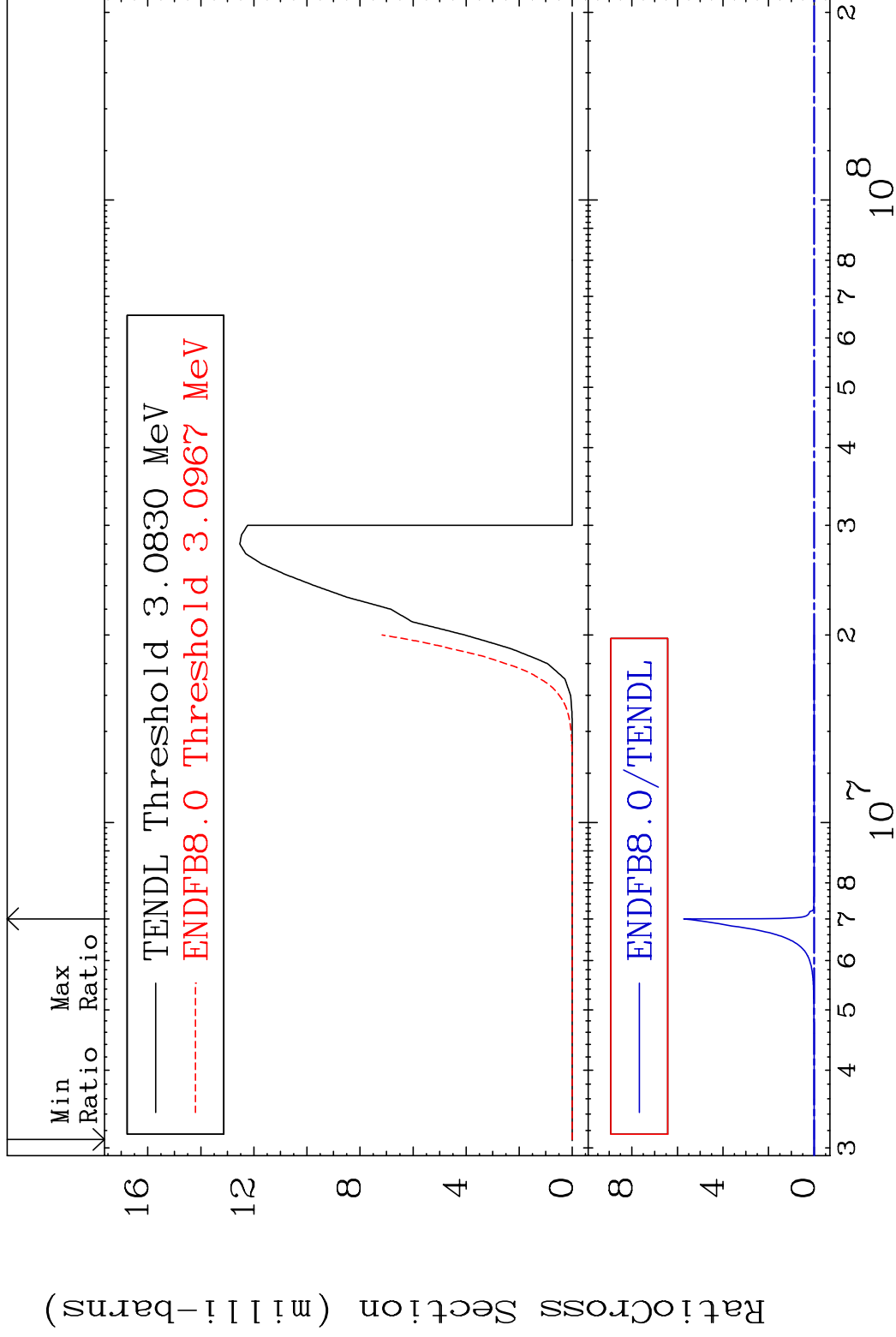
55-Cs-136

MAT 5534

(n, n')  $\alpha$

55-Cs-136

Cross Section -100.0 To 9999. %

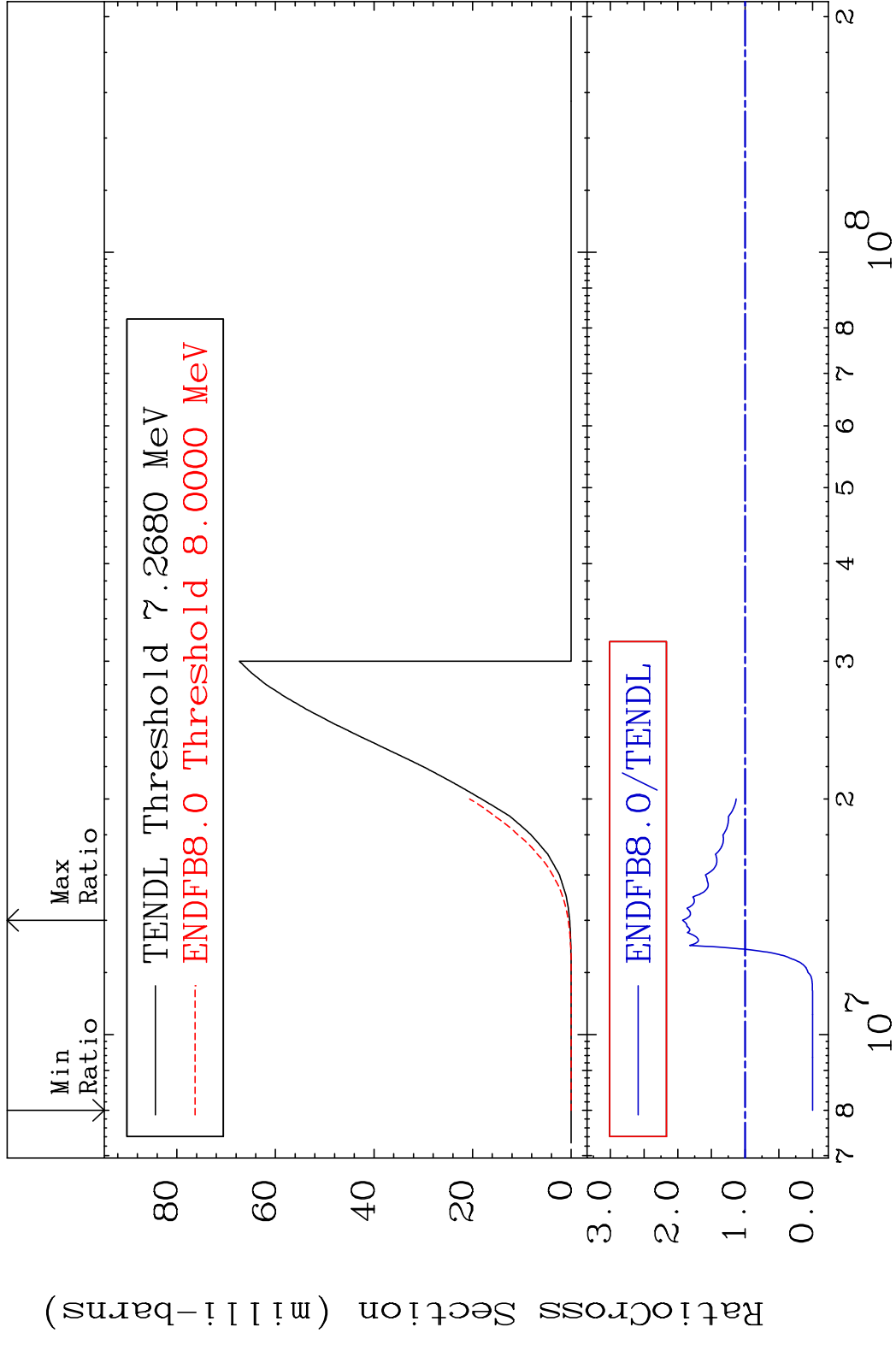


6

Incident Energy (eV)

55-Cs-136

MAT 5534 (n, n') p 55-Cs-136  
 Cross Section -100.0 To 93.17 %



7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2

55-Cs-136

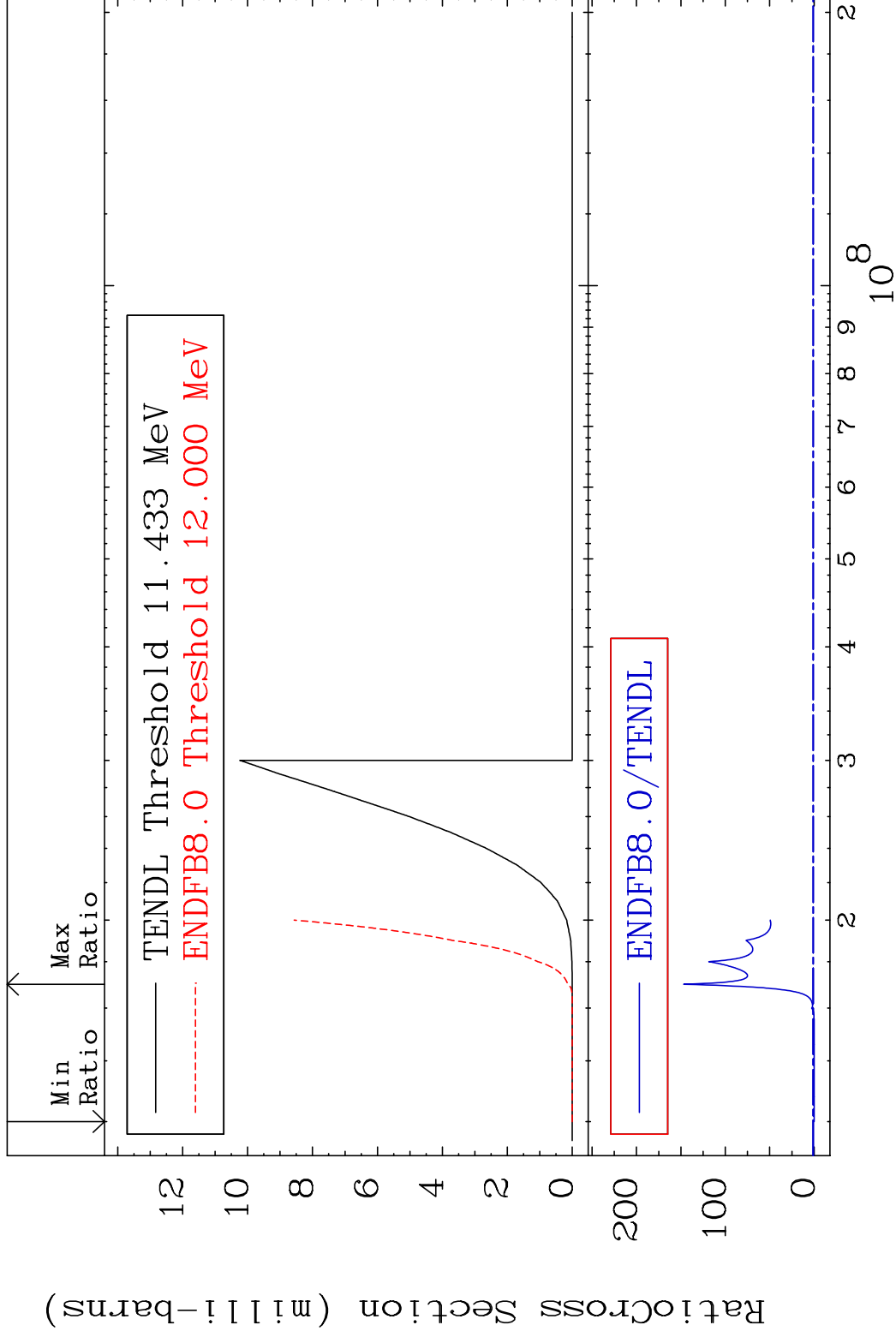


MAT 5534

(n, n') d

55-Cs-136

Cross Section -100.0 To 9999. %



8

Incident Energy (eV)

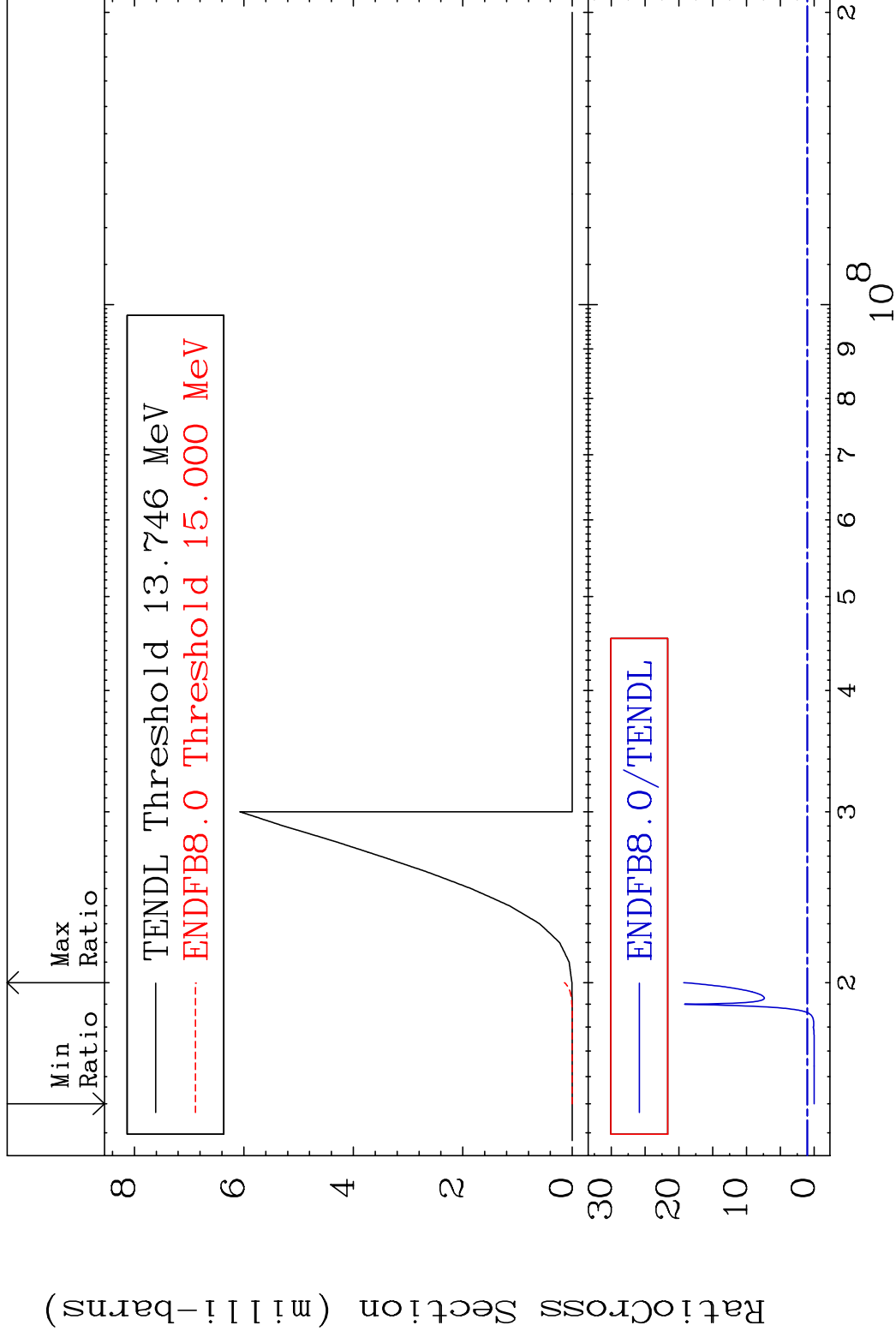
55-Cs-136

MAT 5534

(n, n') t

55-Cs-136

Cross Section -100.0 To 1828. %

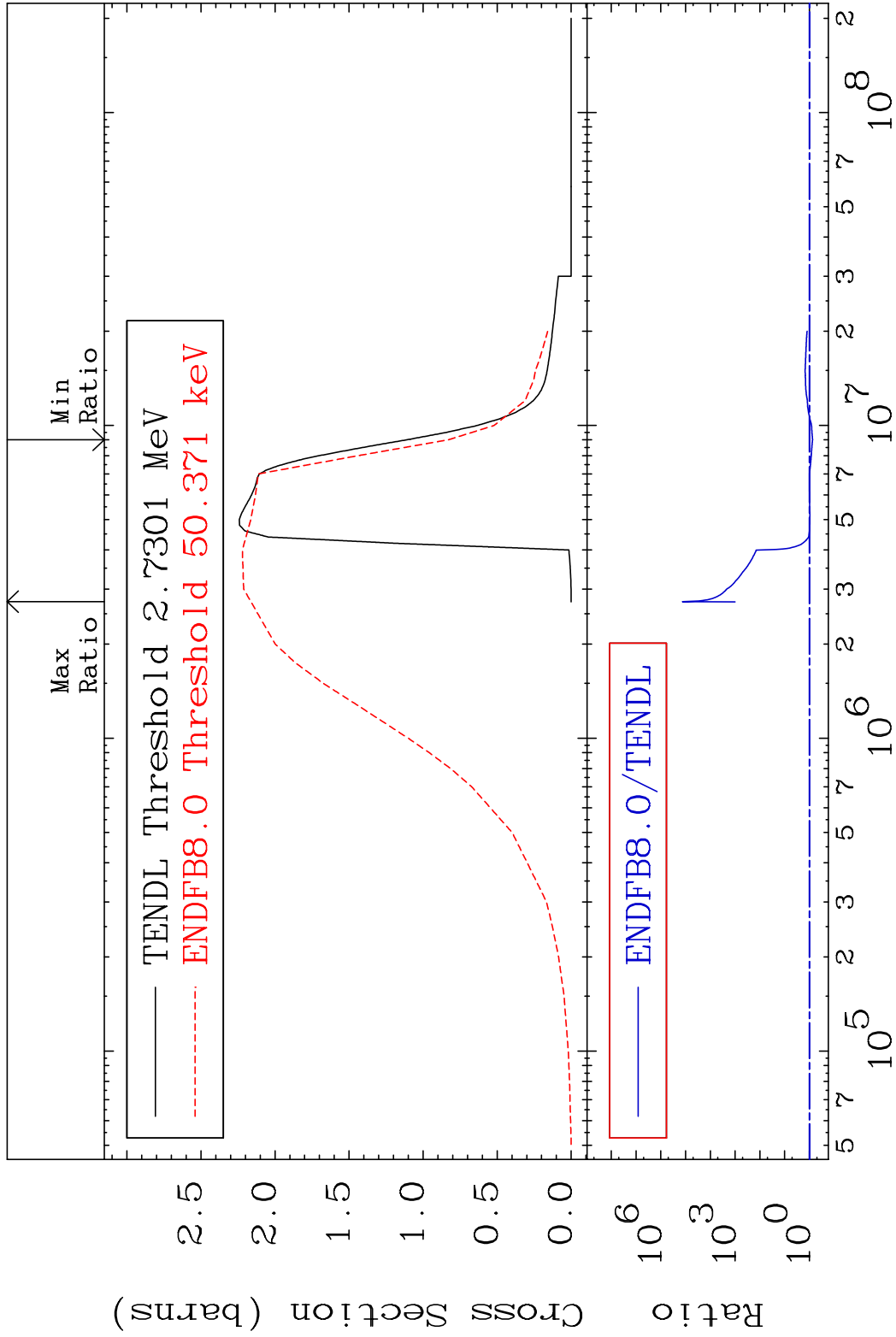


MAT 5534

(n, n') Continuum

55-Cs-136

Cross Section -25.23 To 9999. %



10

Incident Energy (eV)

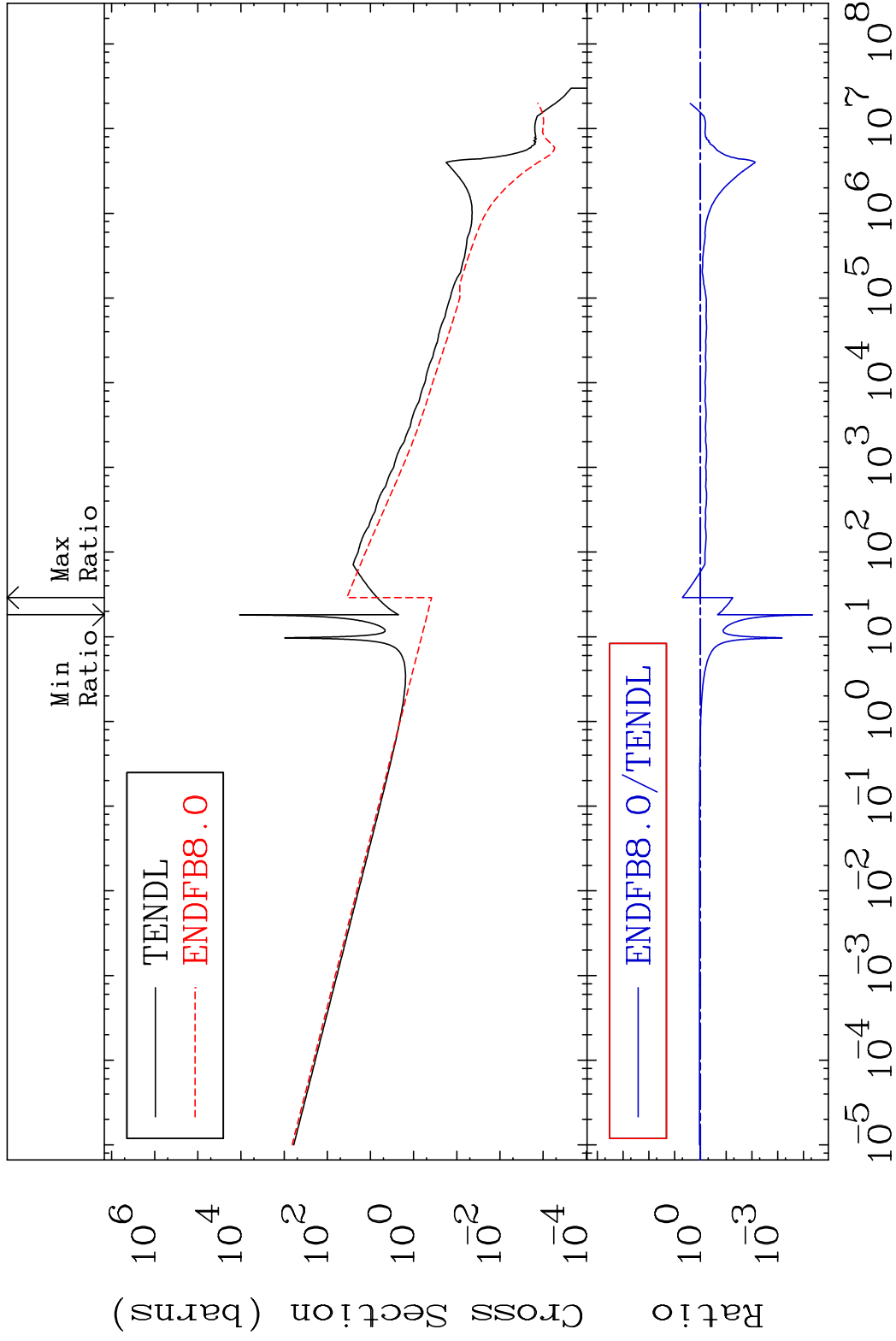
55-Cs-136

MAT 5534

(n,  $\gamma$ )

55-Cs-136

Cross Section -100.0 To 404.5 %



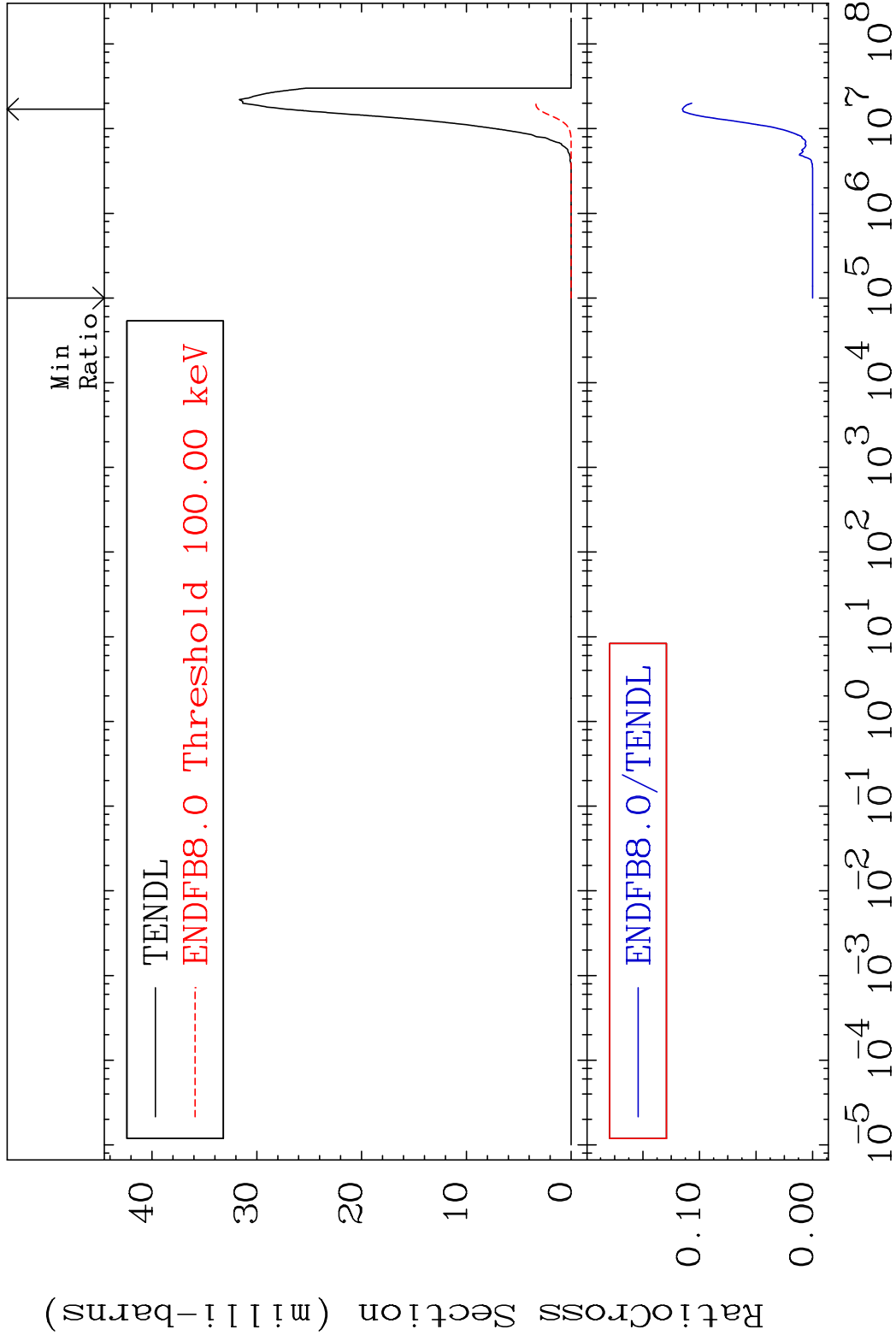
MAT 5534

(n, p)

55-Cs-136

Cross Section

-100.0 To -88.49%



12

Incident Energy (eV)

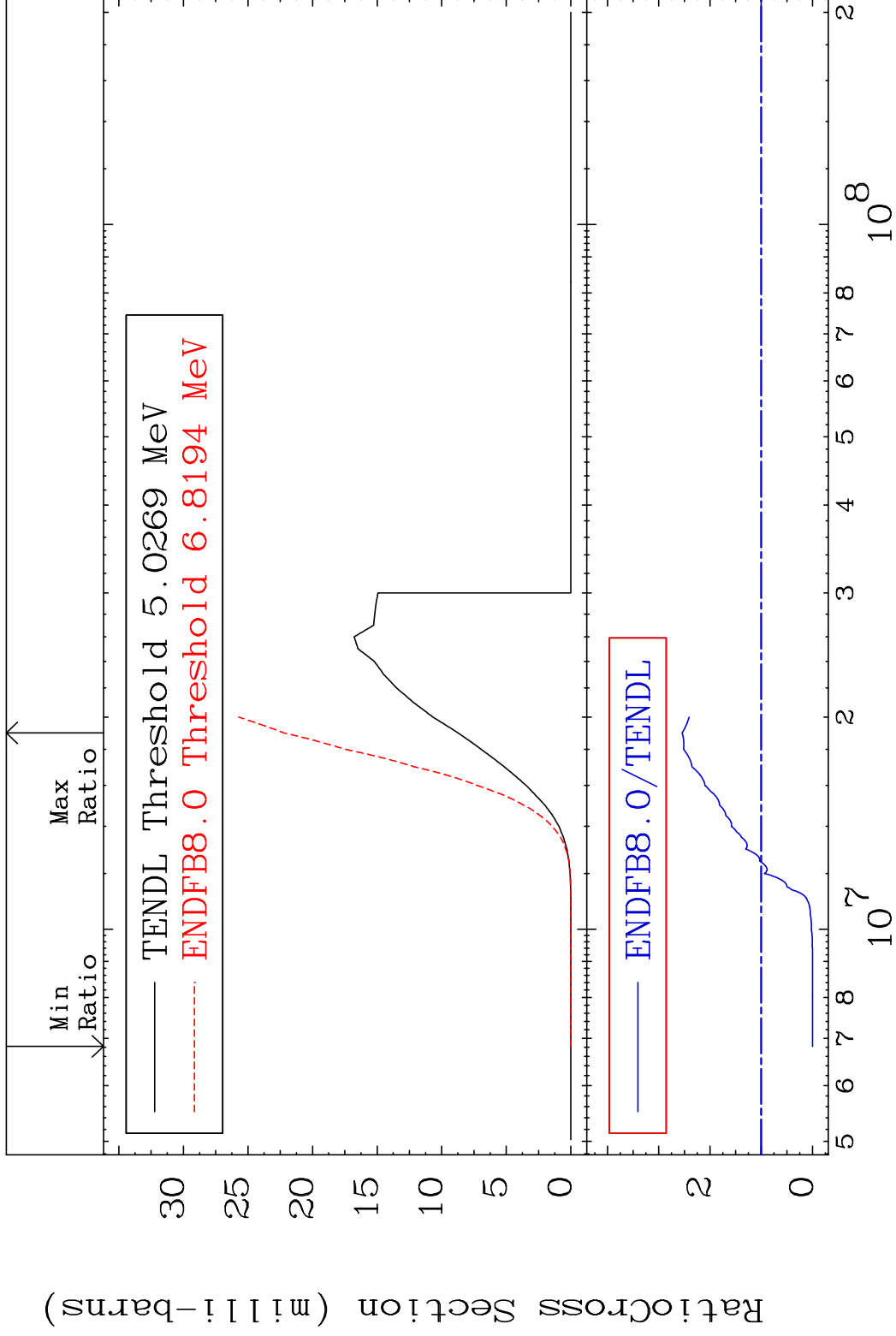
55-Cs-136

MAT 5534

(n, d)

55-Cs-136

Cross Section -100.0 To 154.3 %



13

Incident Energy (eV)

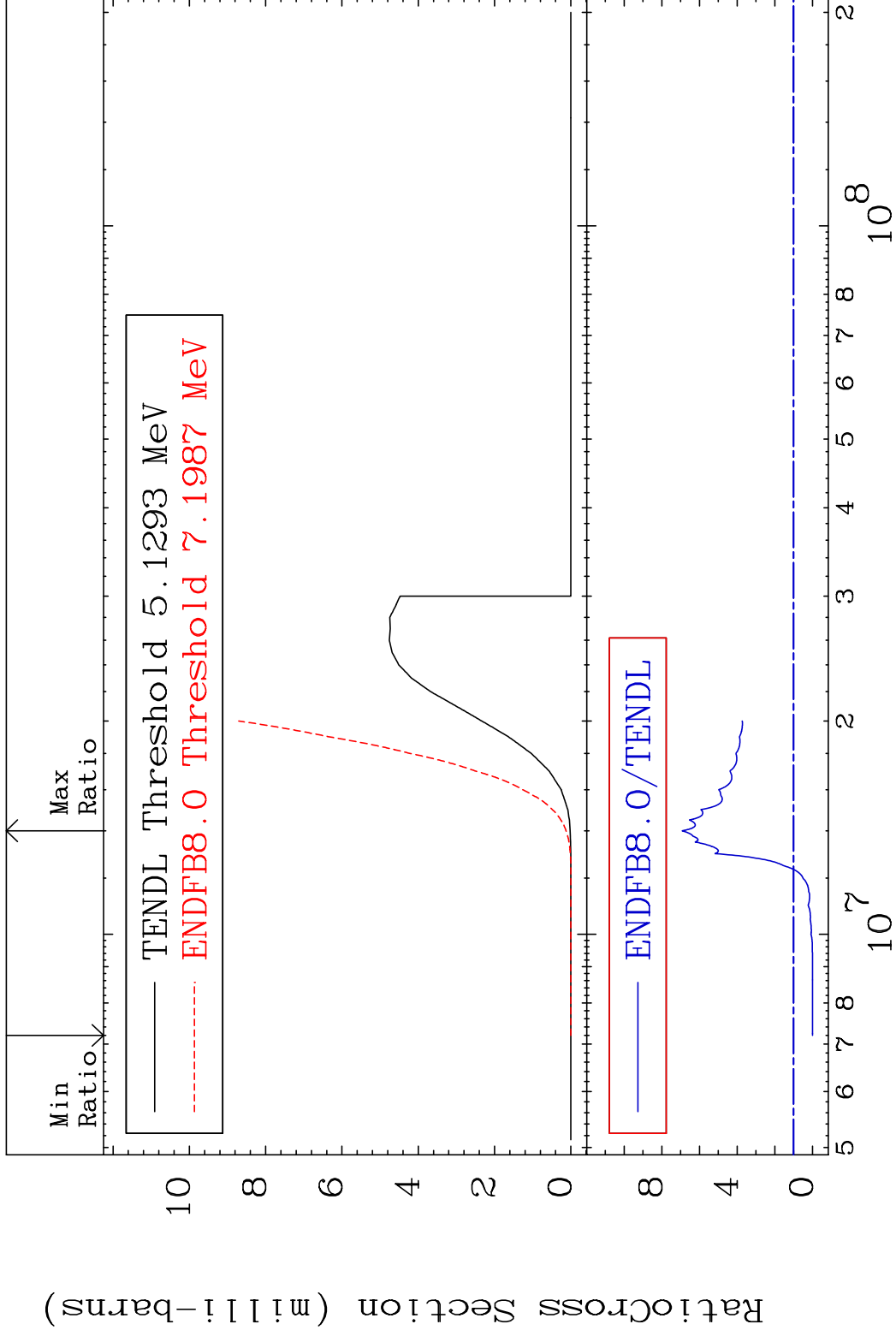
55-Cs-136

MAT 5534

(n, t)

55-Cs-136

Cross Section -100.0 To 591.9 %



14

Incident Energy (eV)

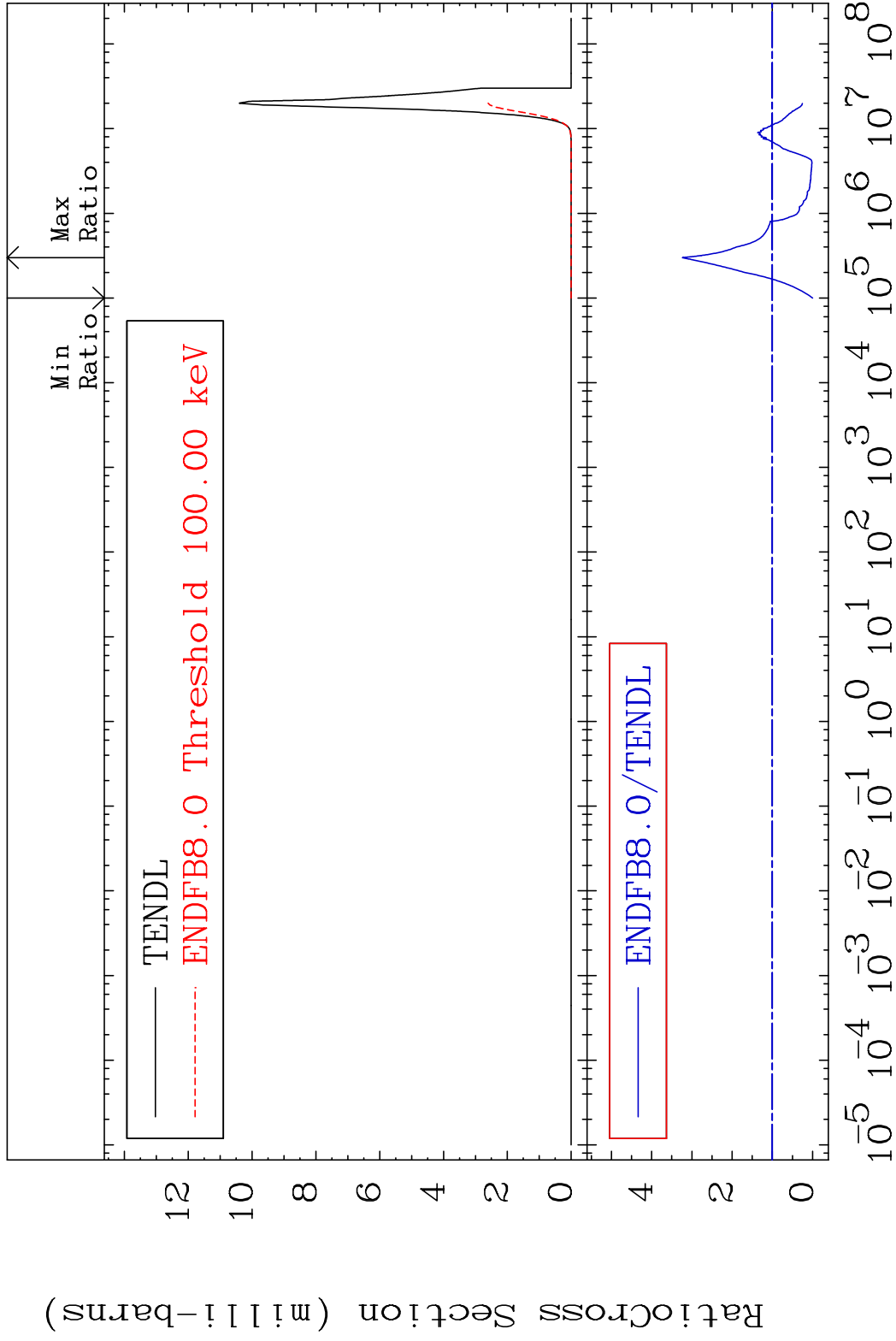
55-Cs-136

MAT 5534

(n,  $\alpha$ )

55-Cs-136

Cross Section -100.0 To 223.7 %



15

Incident Energy (eV)

55-Cs-136

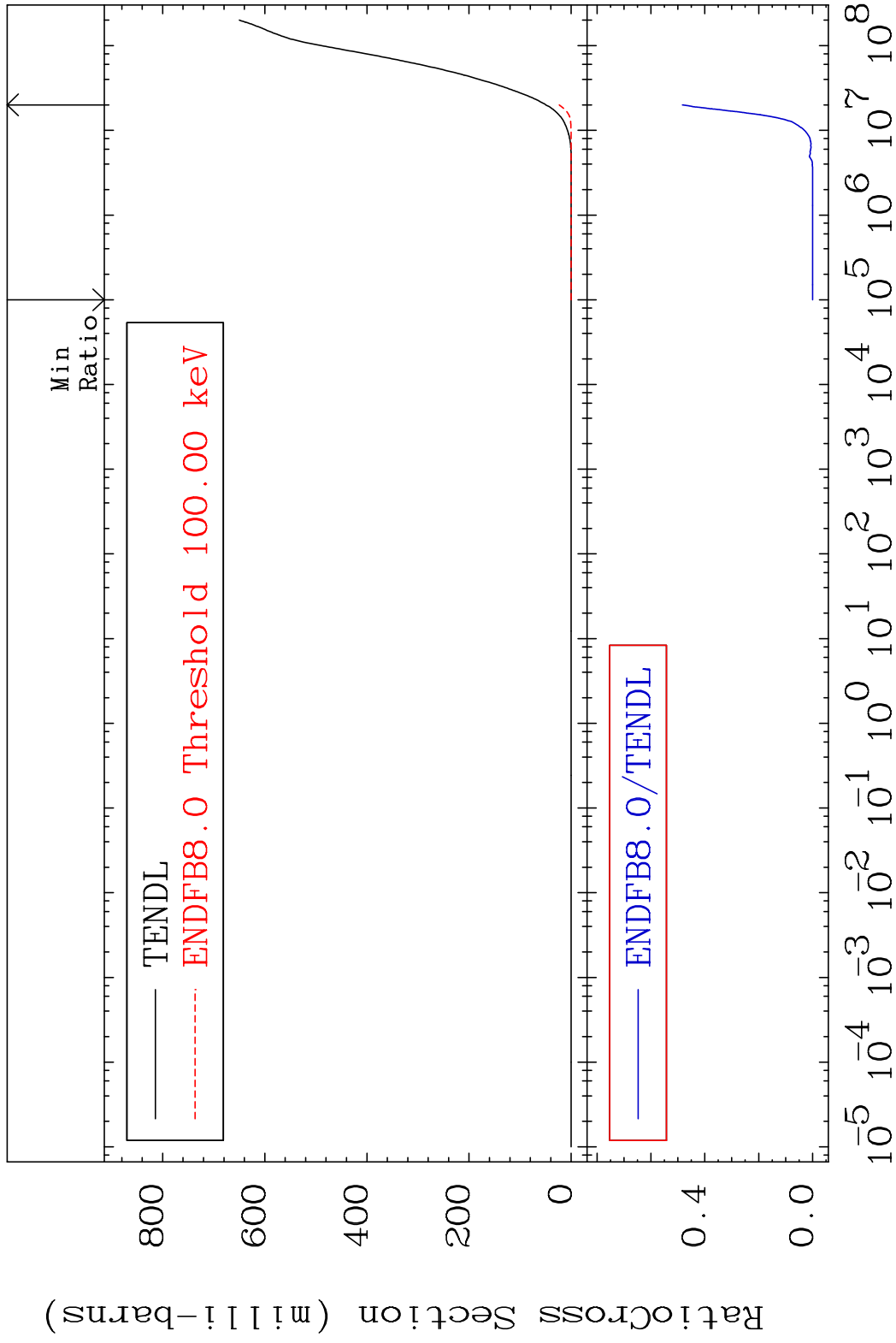


MAT 5534

Hydrogen Production

55-Cs-136

Cross Section -100.0 To -51.66%



16

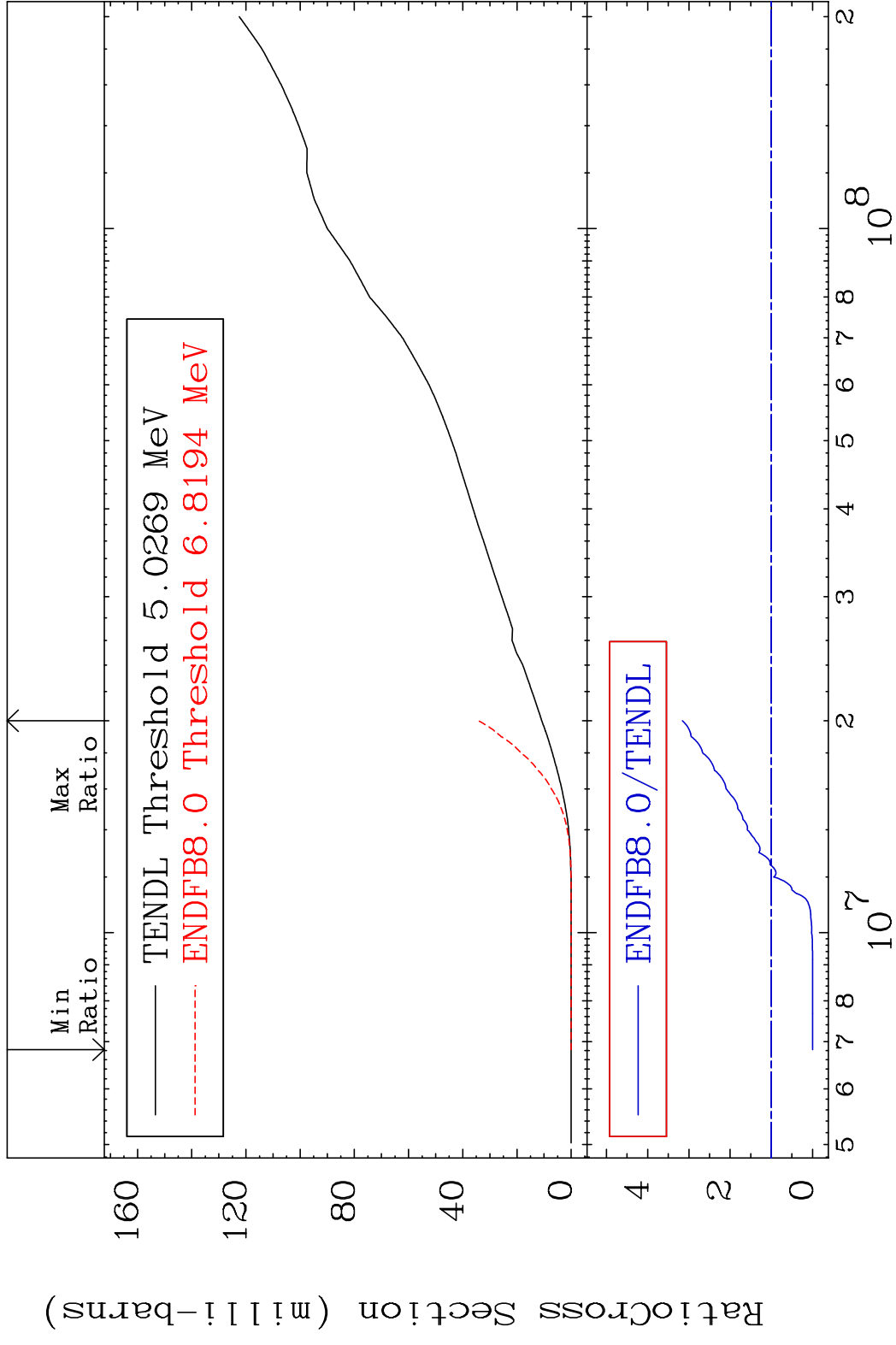
Incident Energy (eV)

55-Cs-136

MAT 5534

Deuterium Production 55-Cs-136

Cross Section -100.0 To 215.9 %



17

Incident Energy (eV)

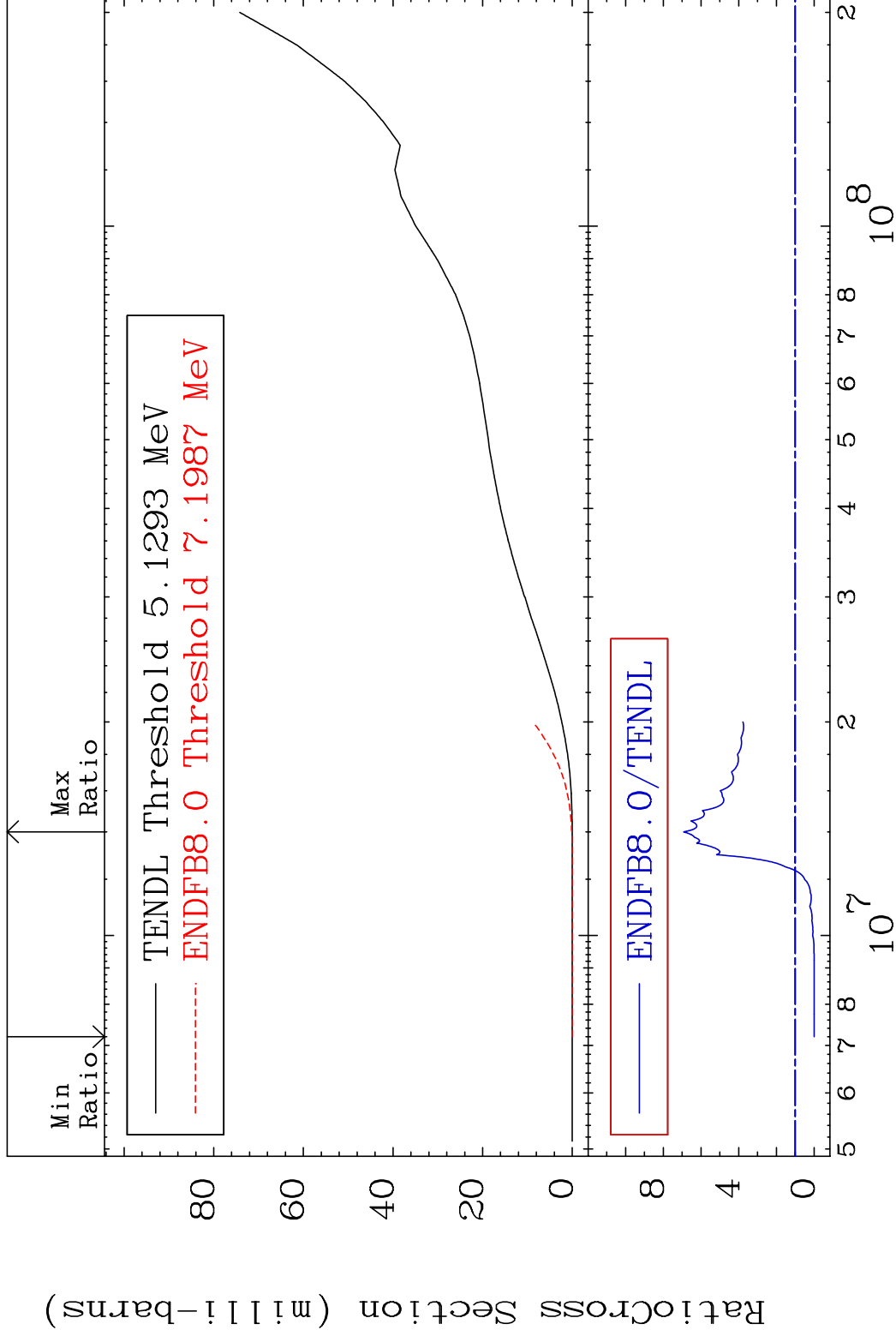
55-Cs-136

MAT 5534

Tritium Production

55-Cs-136

Cross Section -100.0 To 591.9 %



18

Incident Energy (eV)

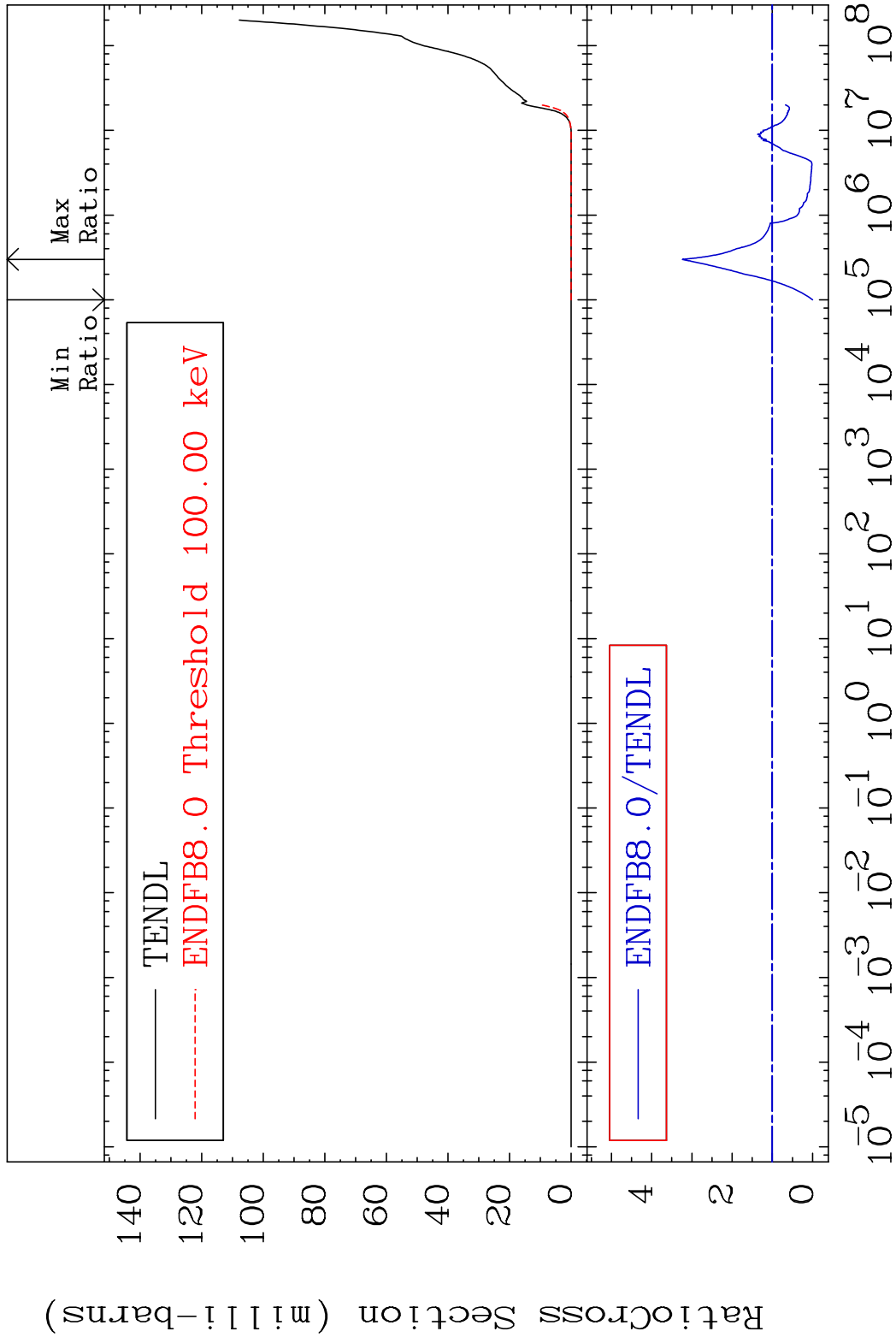
55-Cs-136

MAT 5534

He-4 Production

55-Cs-136

Cross Section -100.0 To 223.7 %

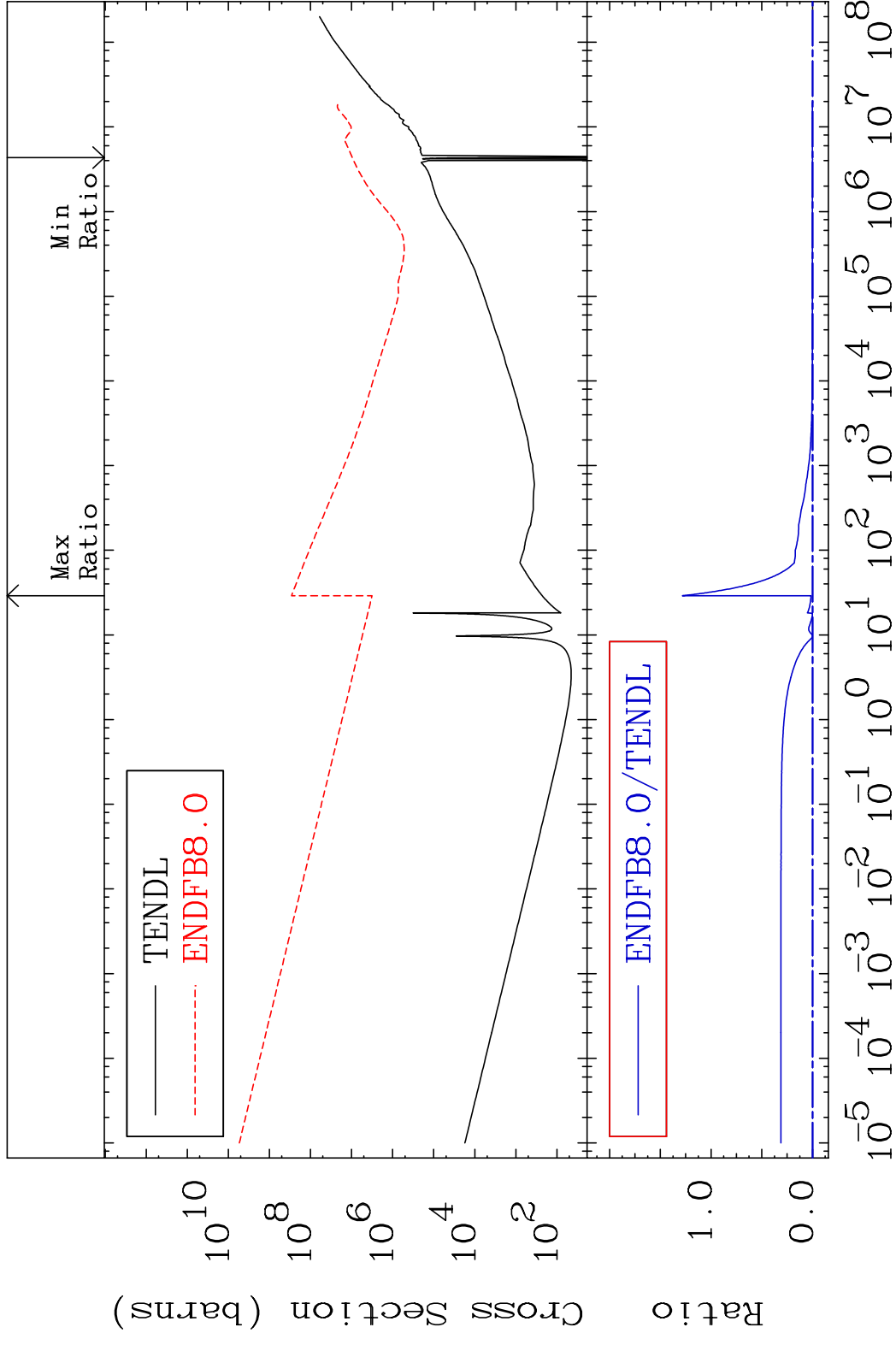


19

Incident Energy (eV)

55-Cs-136

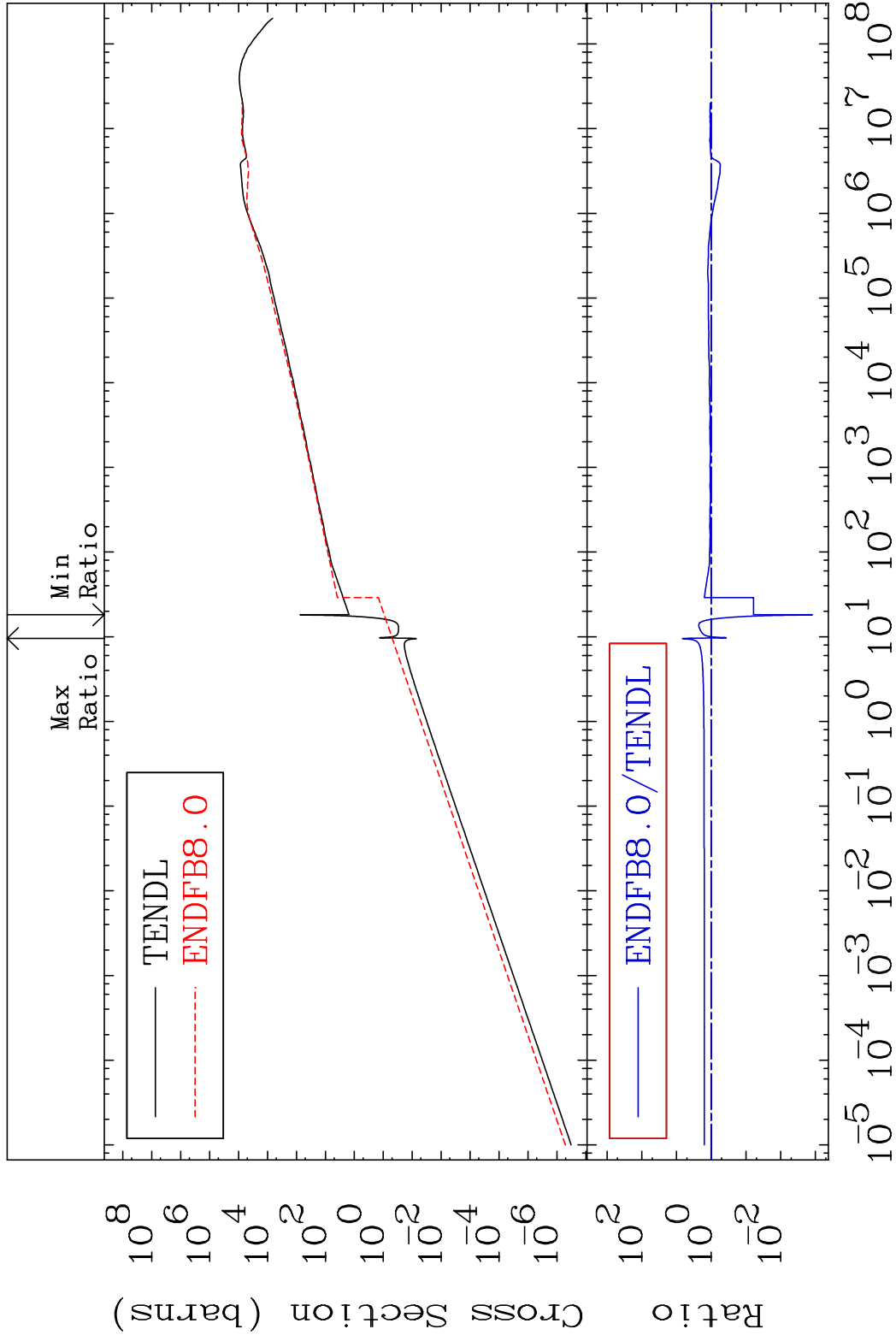
MAT 5534 Kerma total (eV-barns) 55-Cs-136  
 Cross Section -9999. To 9999. %



20 Incident Energy (eV) 55-Cs-136

MAT 5534

Kerma elastic 55-Cs-136  
Cross Section -99.88 To 578.4 %

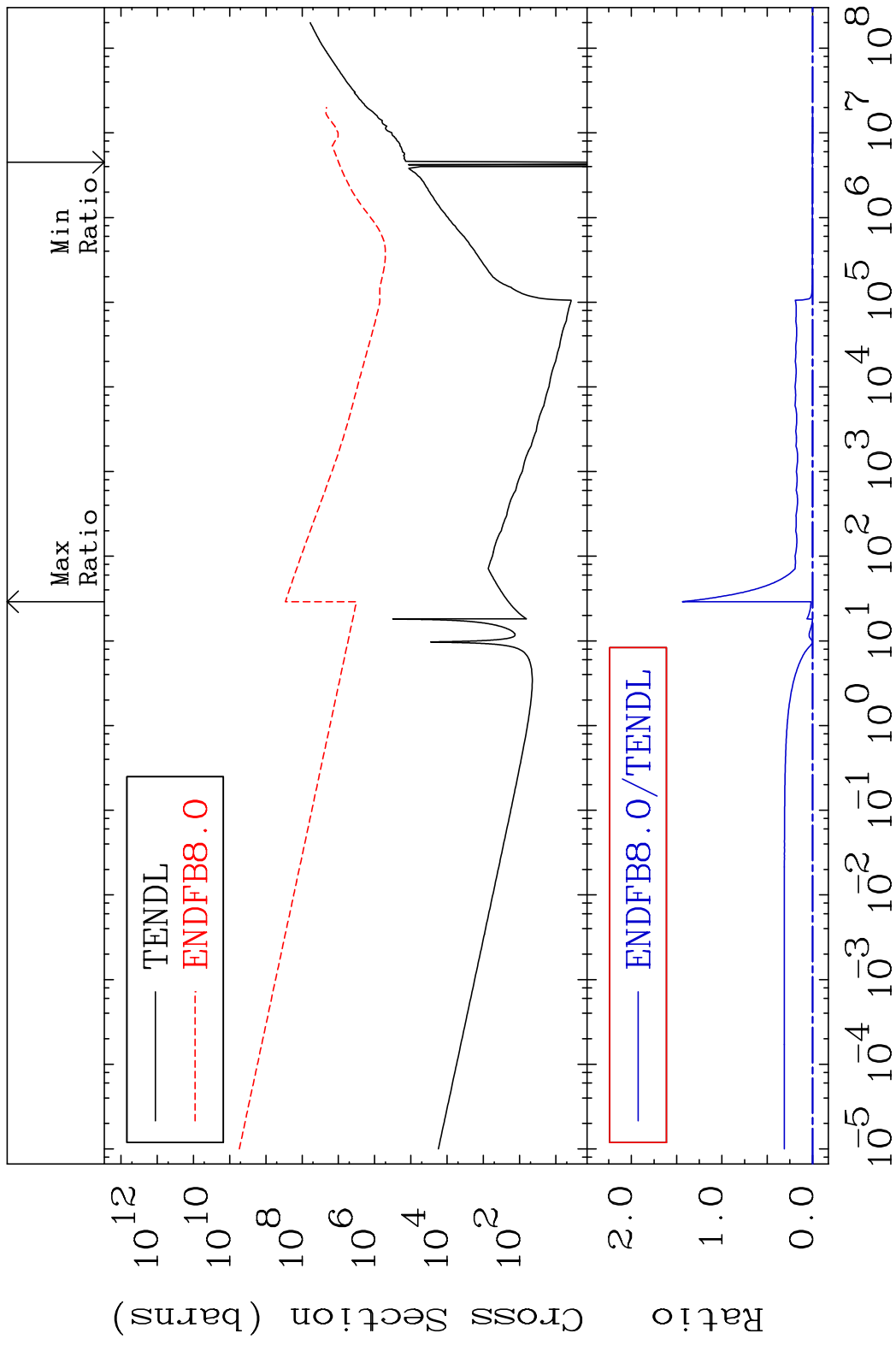


21

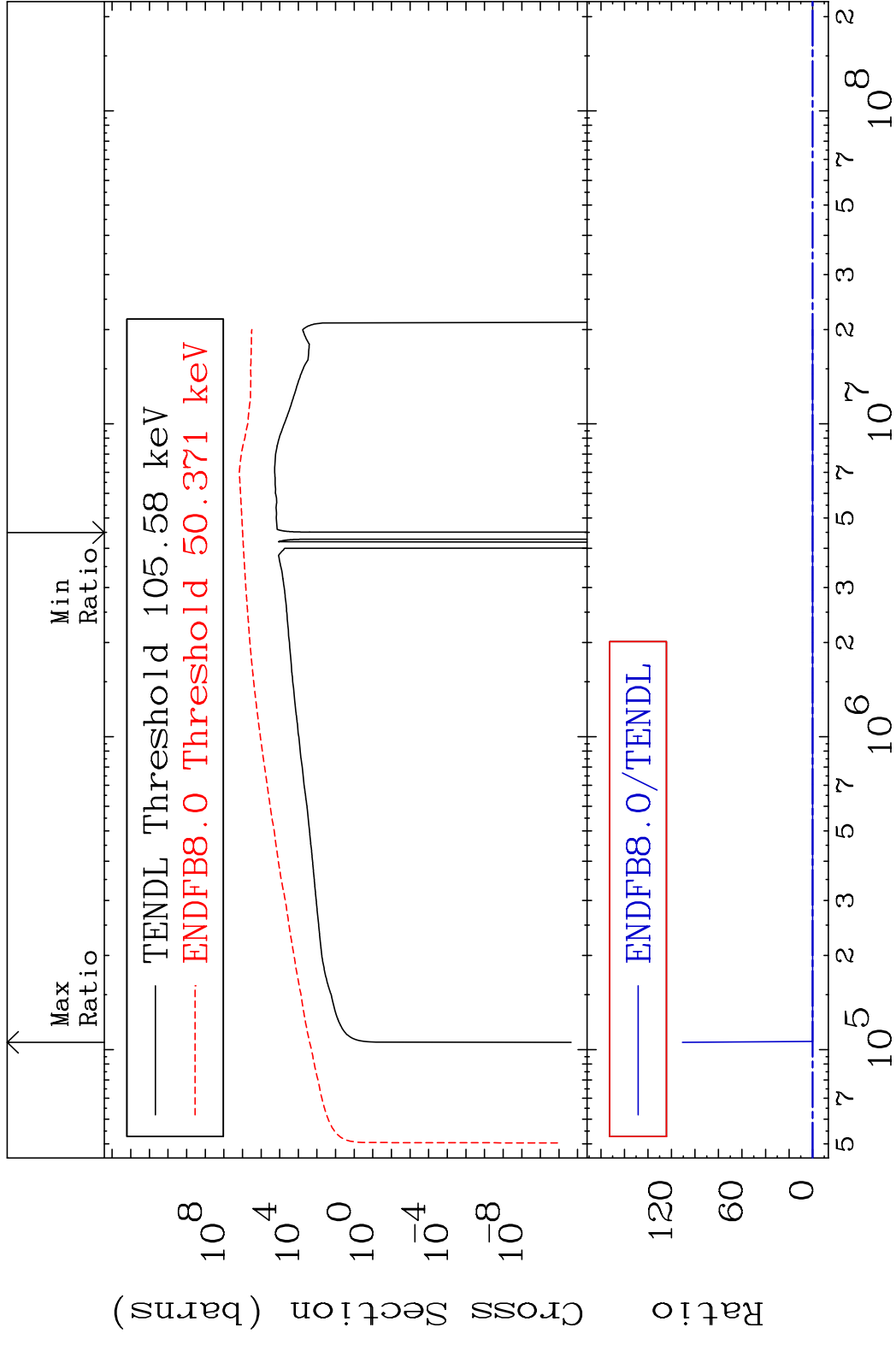
Incident Energy (eV)

55-Cs-136

MAT 5534 Kerma non-elastic (all but mt2) 55-Cs-136  
 Cross Section -9999. To 9999. %

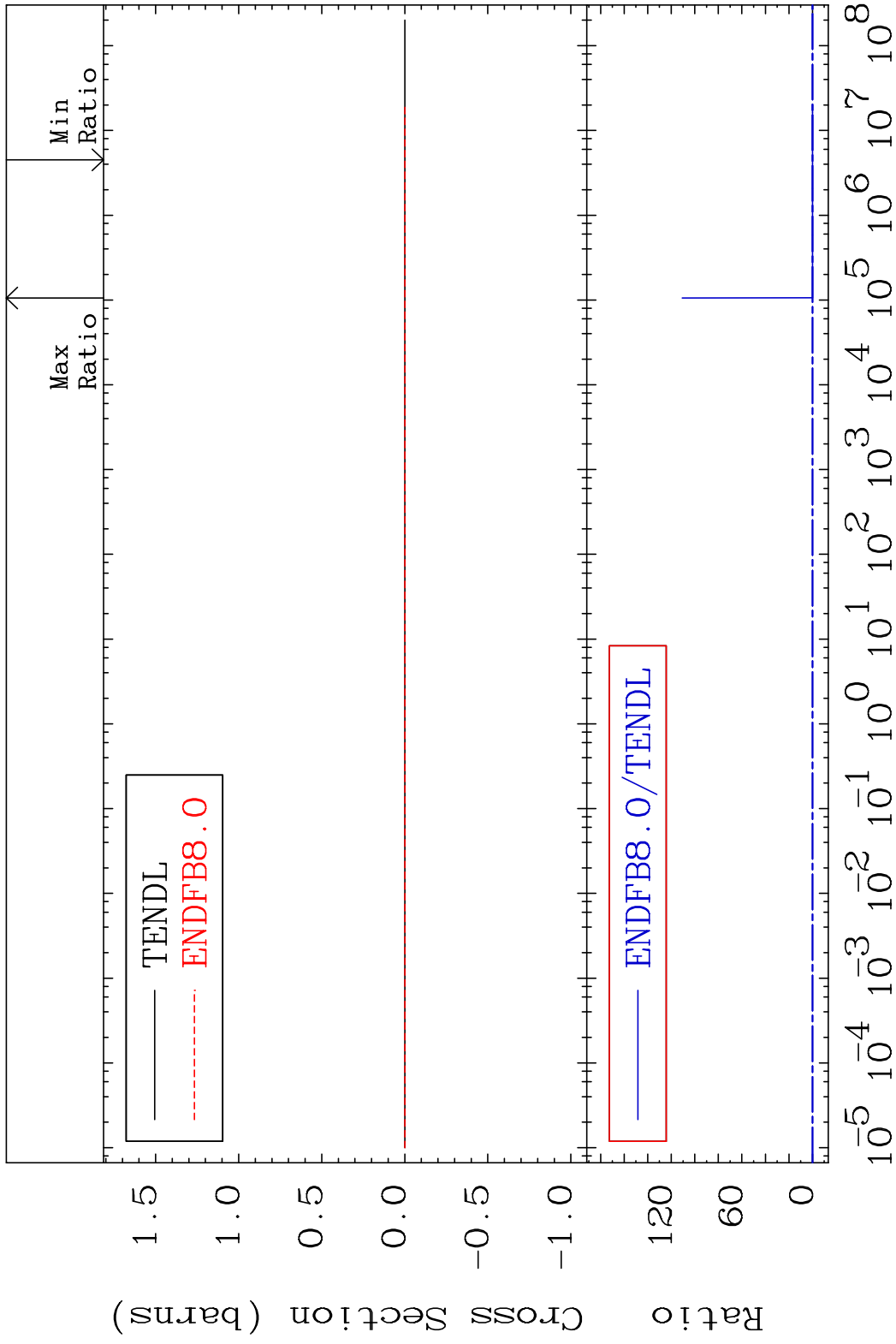


MAT 5534 Kerma inelastic (mt51-91) 55-Cs-136  
 Cross Section -9999. To 9999. %

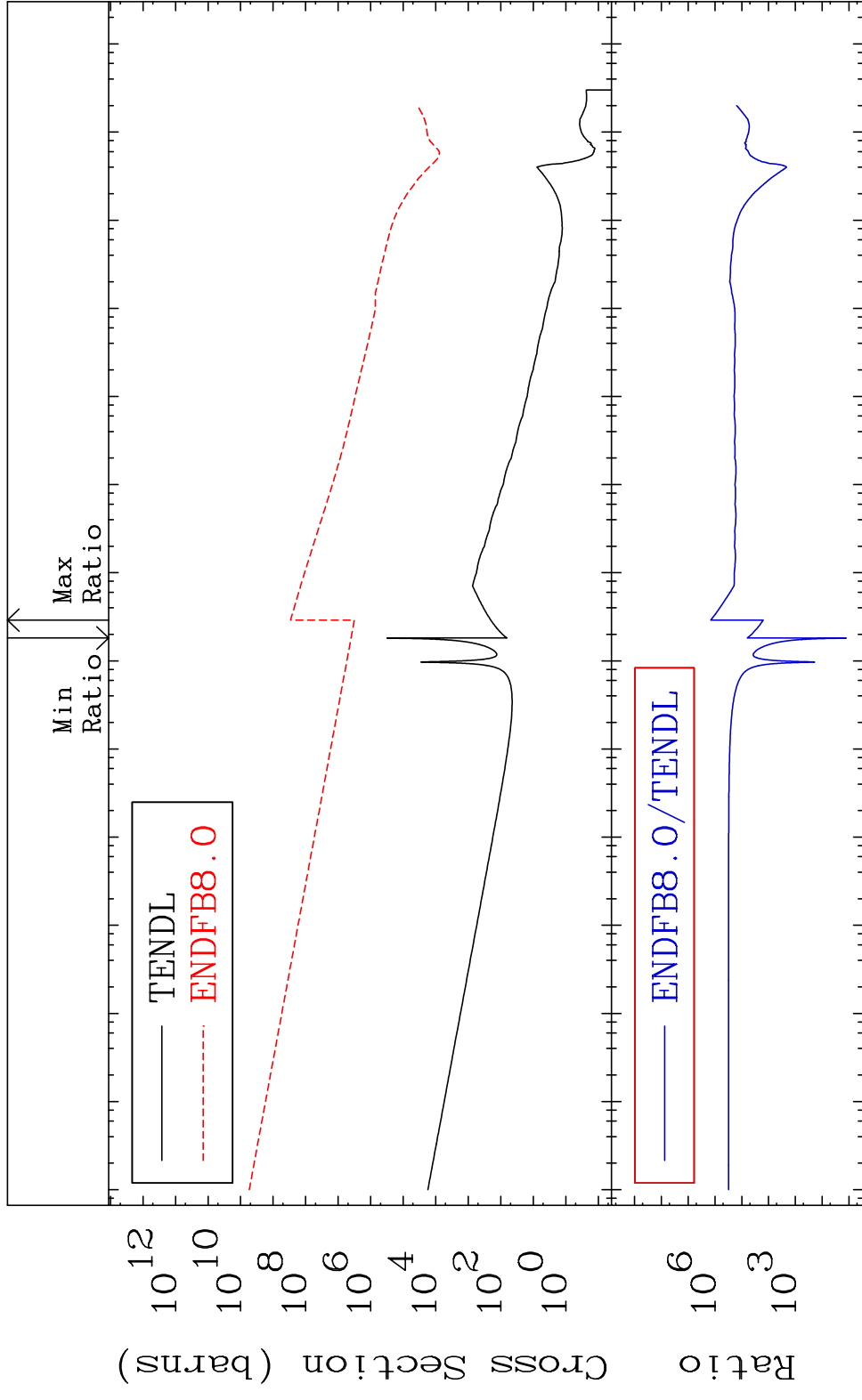




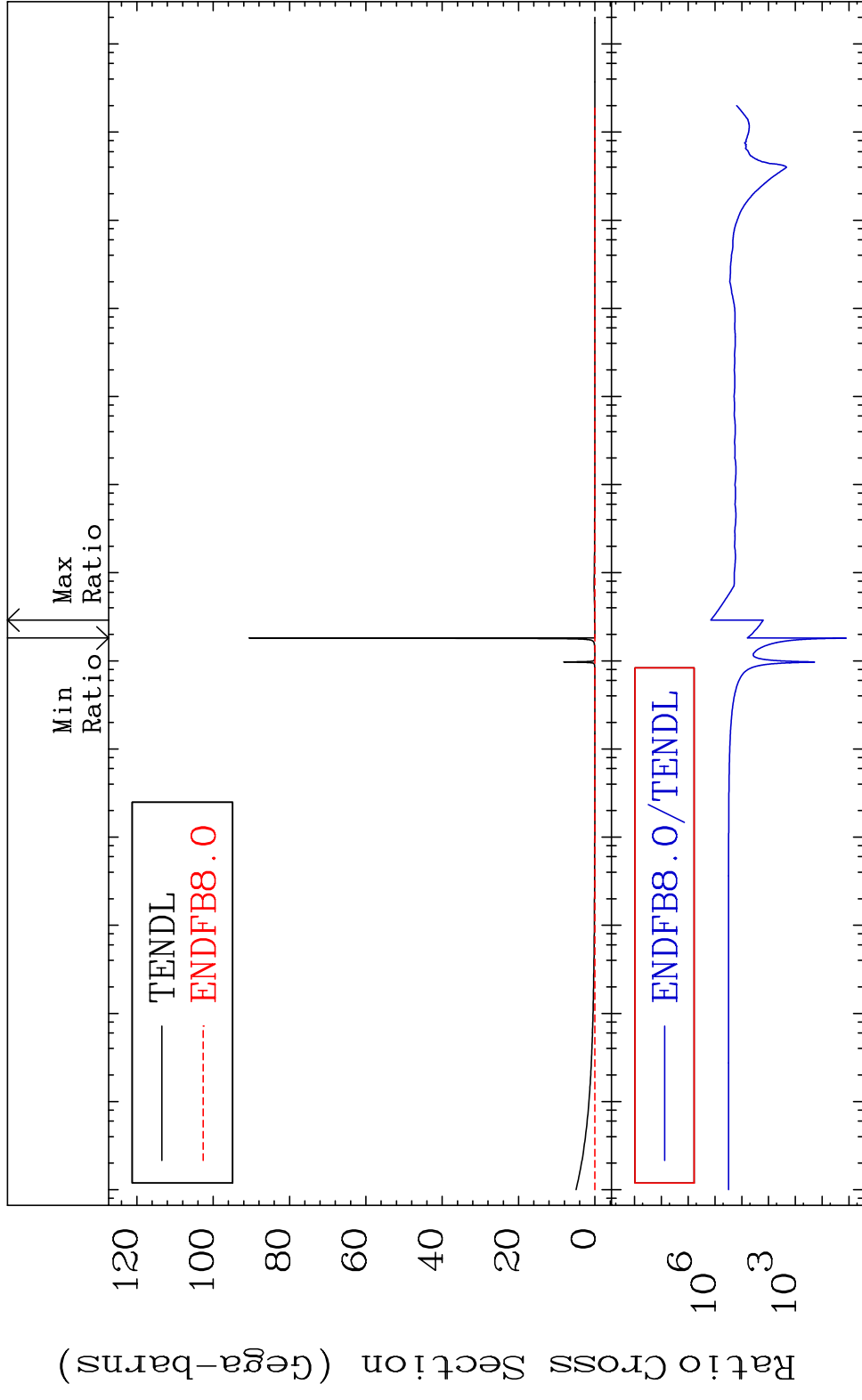
MAT 5534 Kerma fission (mt18 or mt19-20-21-38)55-Cs-136  
 Cross Section -9999. To 9999. %



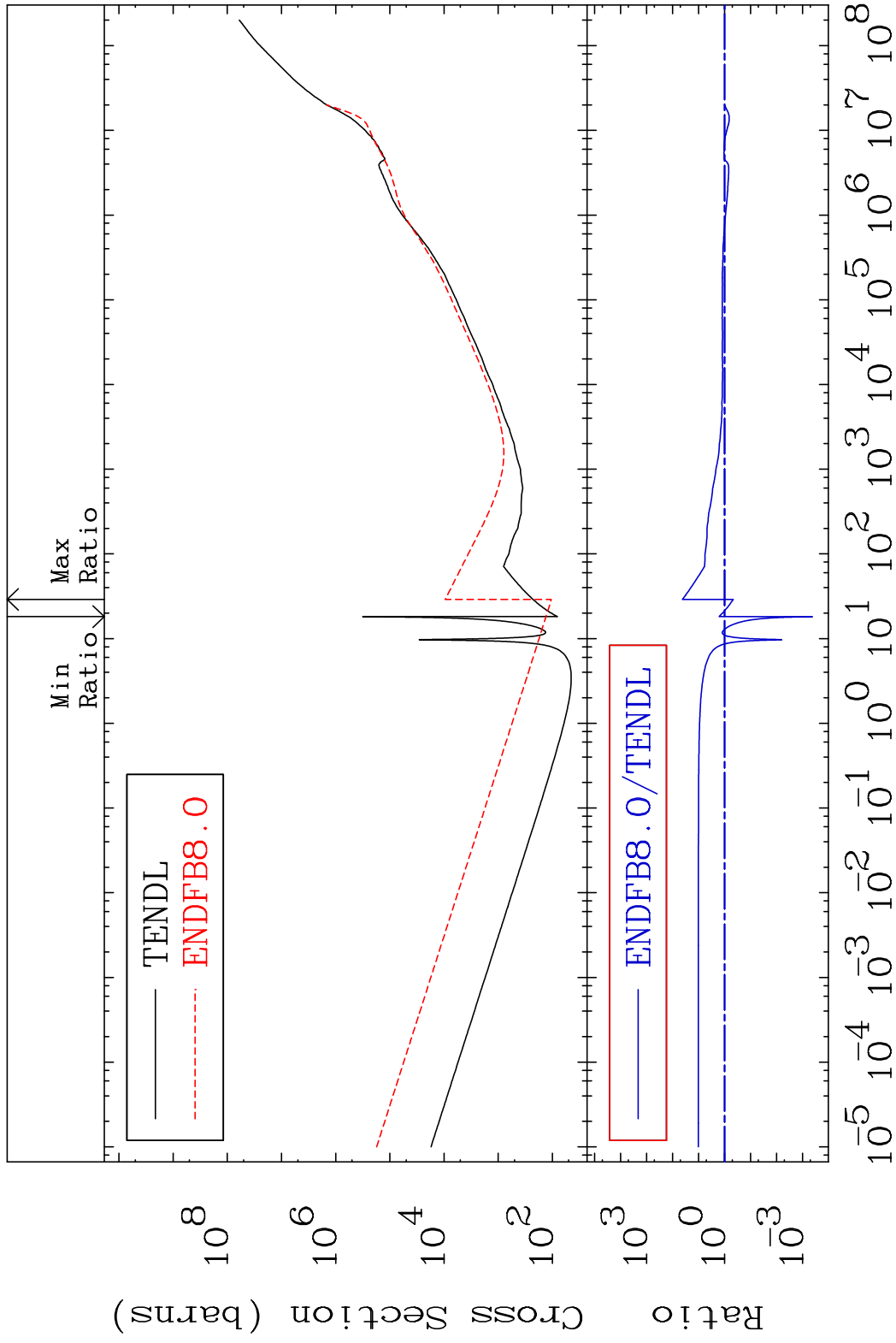
MAT 5534 Kerma capture (mt102) 55-Cs-136  
 Cross Section 1164. To 9999. %



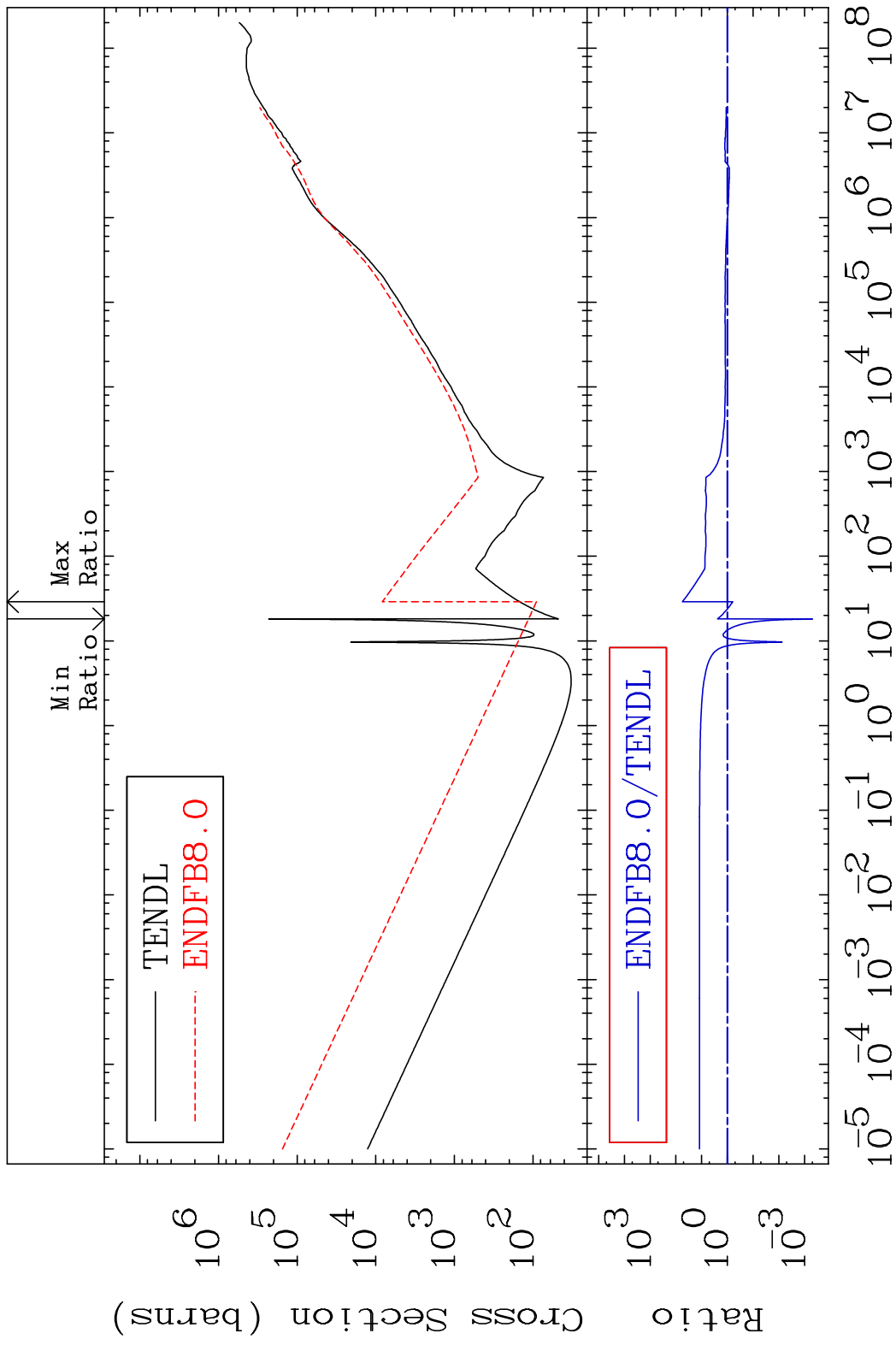
MAT 5534 Total photon (eV-barns) 55-Cs-136  
 Cross Section 1164. To 9999. %



MAT 5534 Total kinematic kerma (high limit) 55-Cs-136  
 Cross Section -99.96 To 4081. %



MAT 5534      Dpa total (eV-barns)      55-Cs-136  
 Cross Section      -99.95 To 5503. %



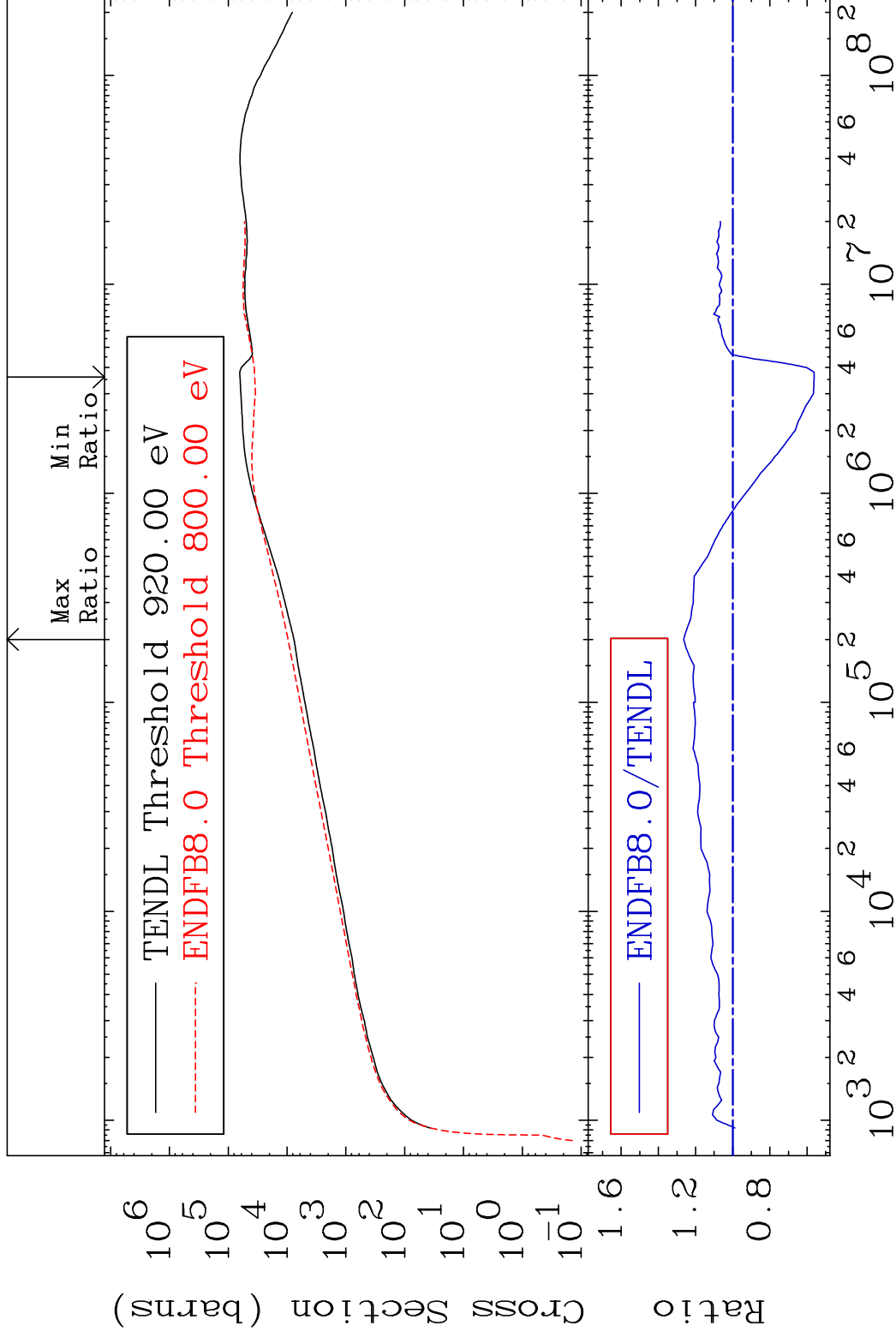
MAT 5534

Dpa elastic (mt2)

55-Cs-136

Cross Section

-43.78 To 26.40 %

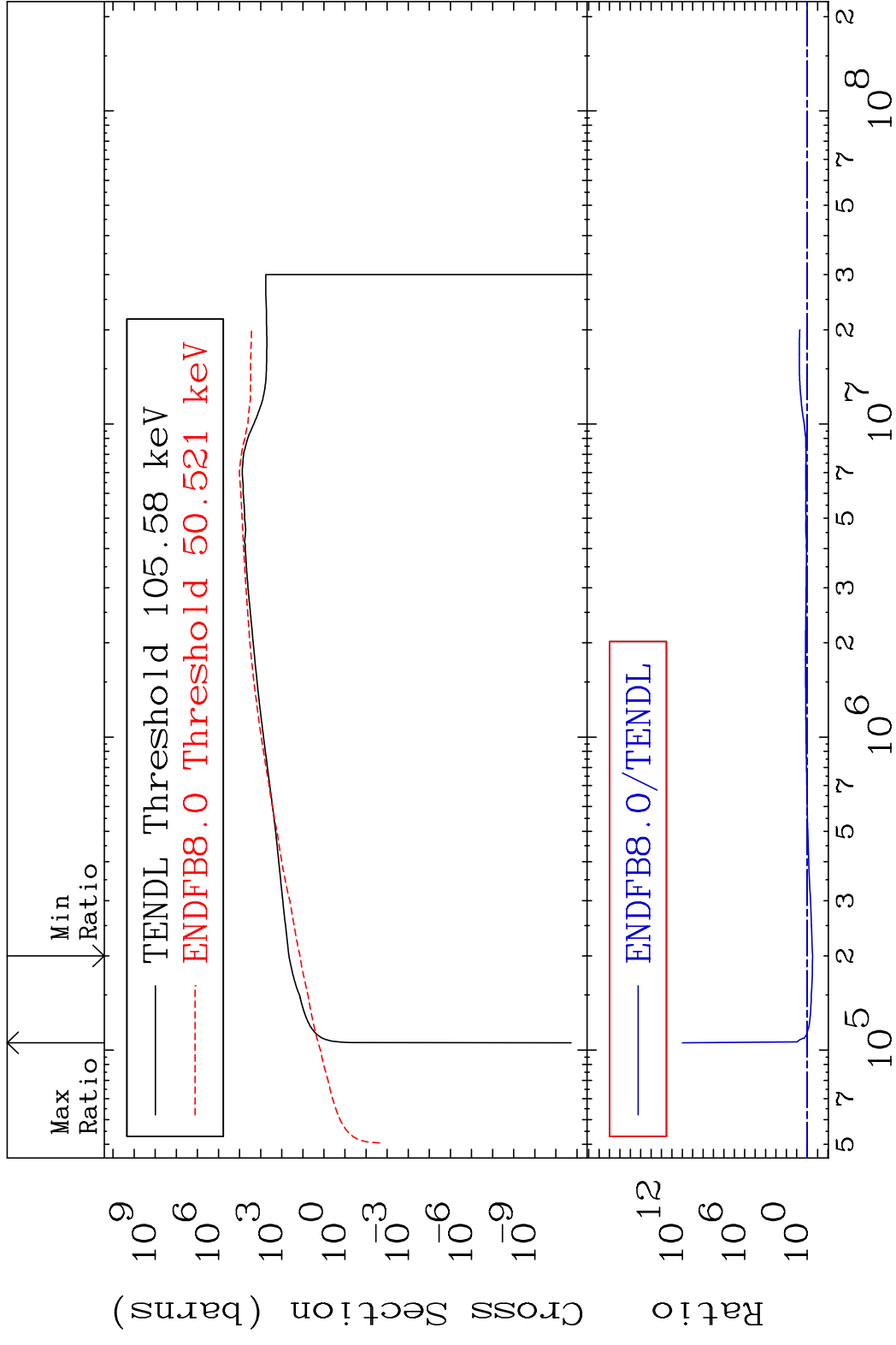


29

Incident Energy (eV)

55-Cs-136

MAT 5534 Dpa inelastic (mt51-91) 55-Cs-136  
 Cross Section -69.75 To 9999. %



MAT 5534 Dpa disappearance (mt102 -120) 55-Cs-136  
 Cross Section -99.95 To 9999. %

