

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

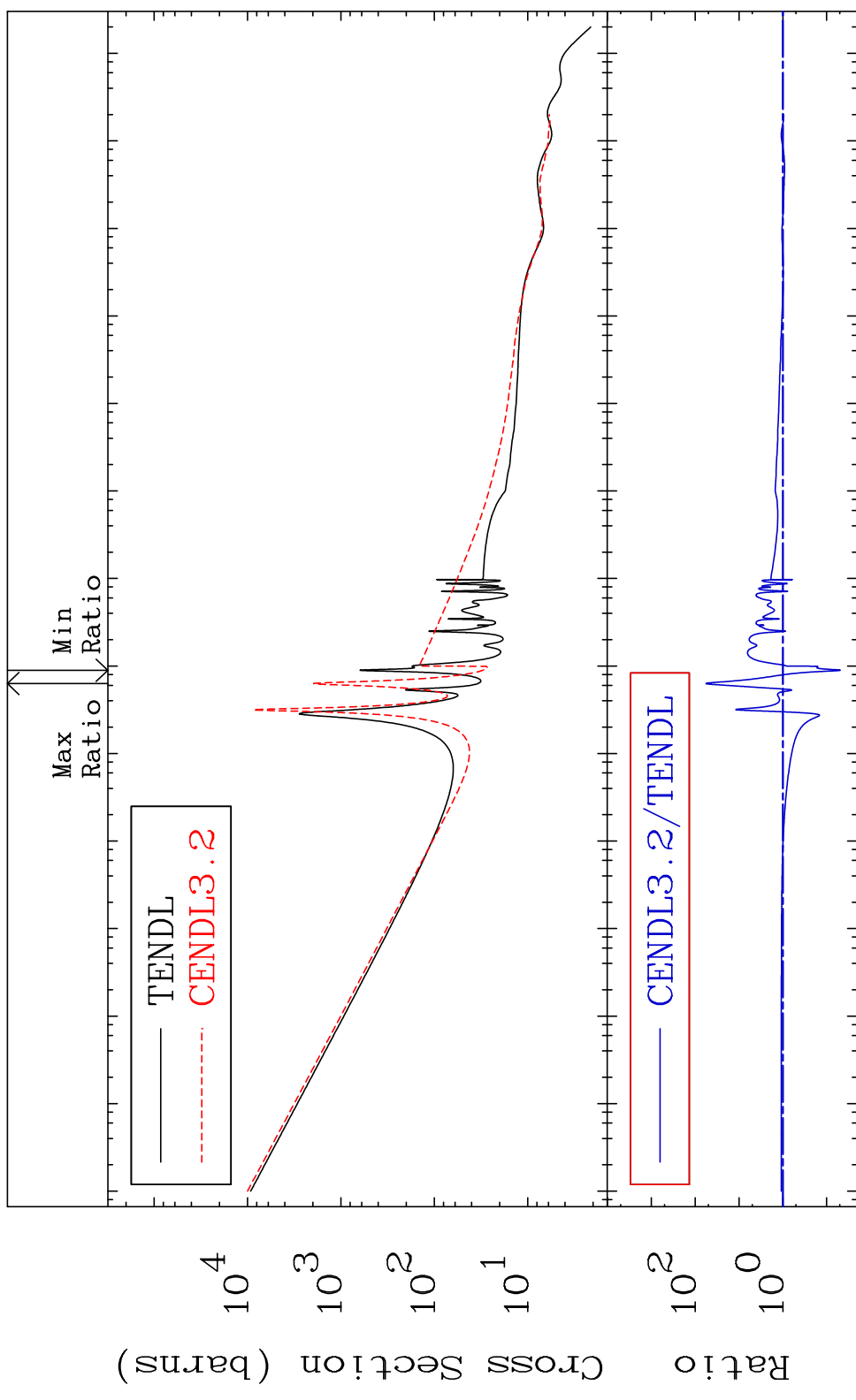
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9428

Total
Cross Section -95.15 To 5635. %

94-Pu-236



1

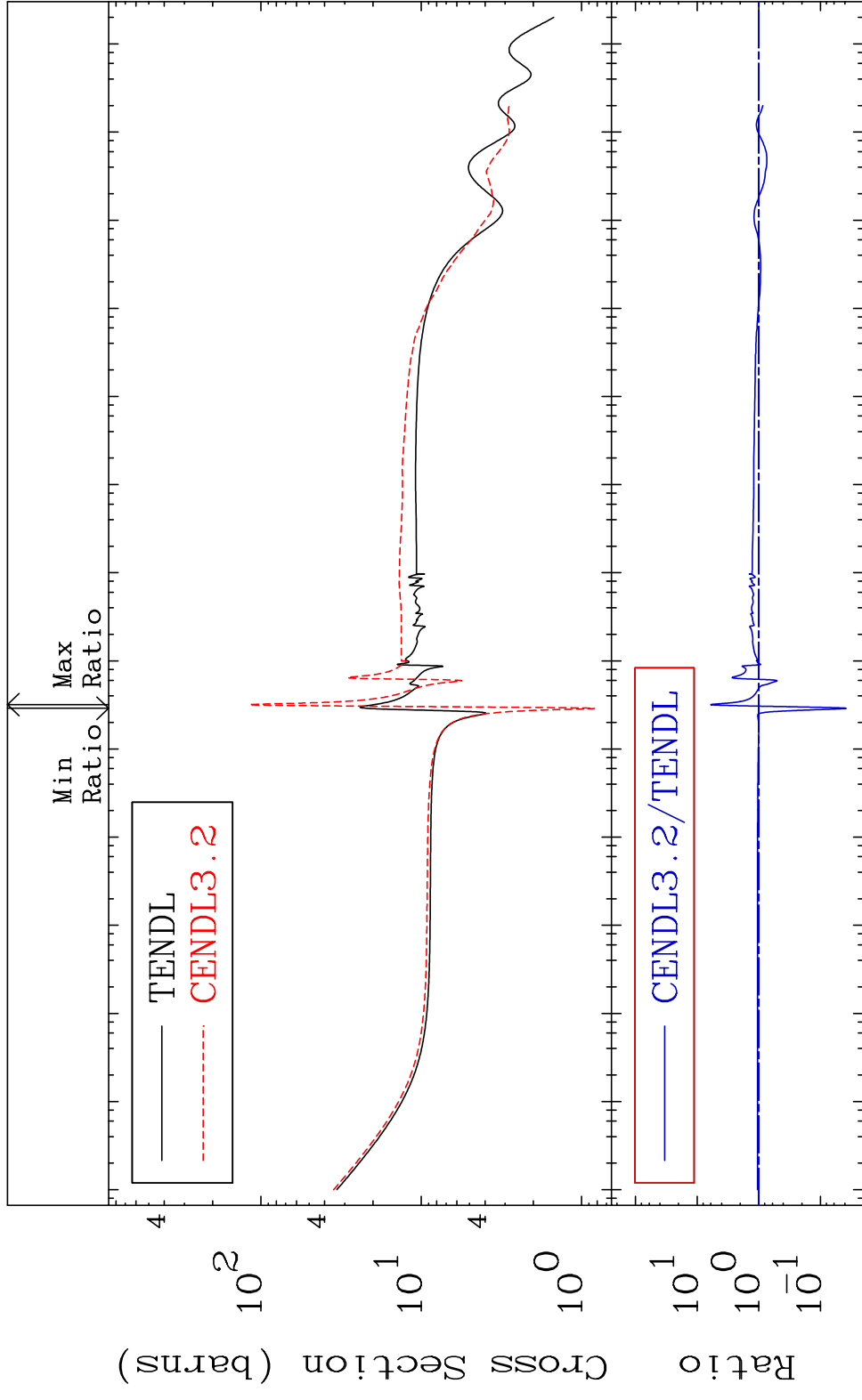
Incident Energy (eV)

94-Pu-236

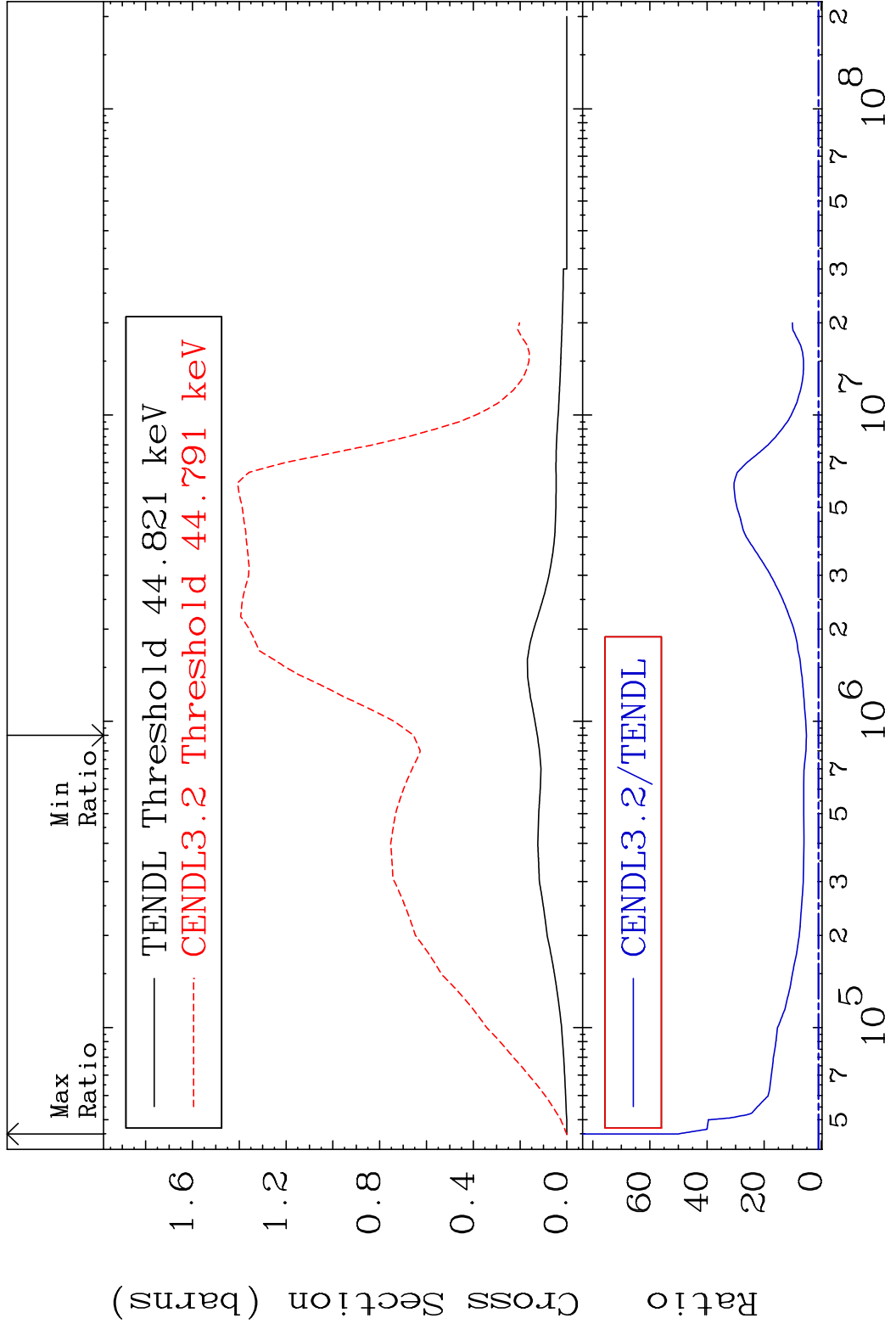
MAT 9428

Elastic Cross Section -96.20 To 501.7 %

94-Pu-236

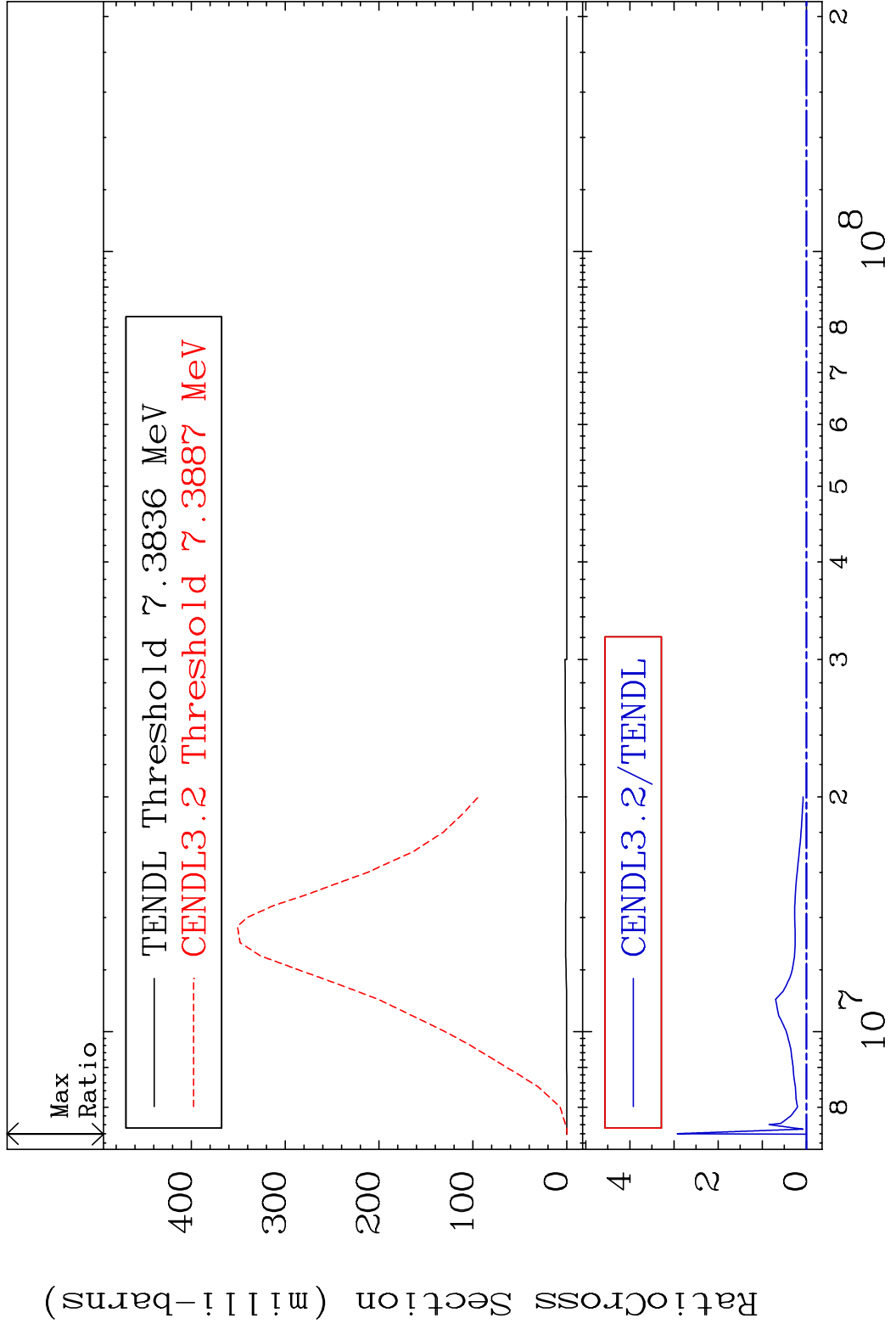


MAT 9428 Inelastic 94-Pu-236
 Cross Section 418.8 To 4944. %



3 Incident Energy (eV) 94-Pu-236

MAT 9428 (n,2n) 94-Pu-236
 Cross Section -100.0 To 9999. %



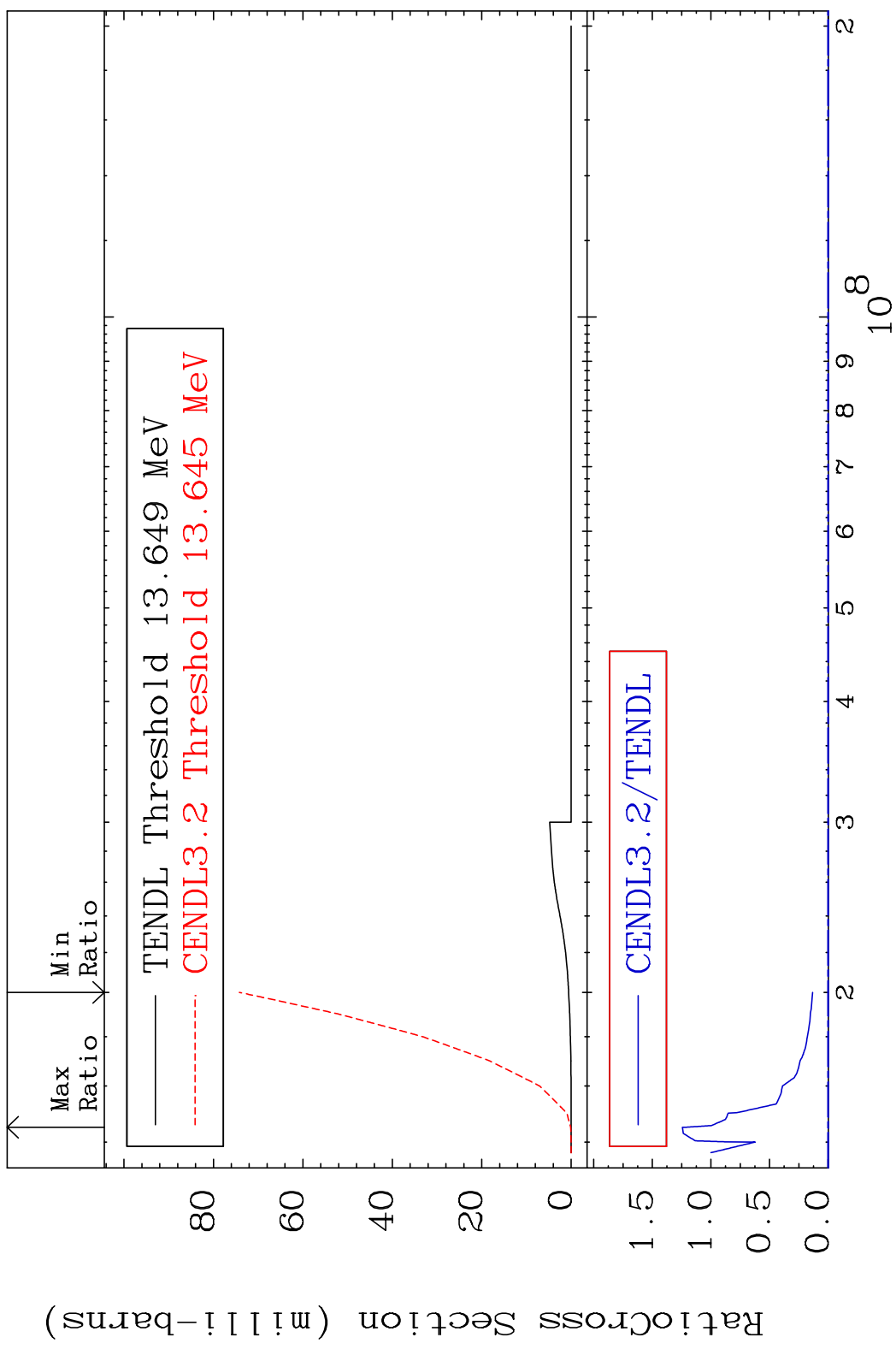
4 8 10⁷ 2 10⁸ 2 94-Pu-236

MAT 9428

(n,3n)

94-Pu-236

Cross Section 9999. To 9999. %



5

Incident Energy (eV)

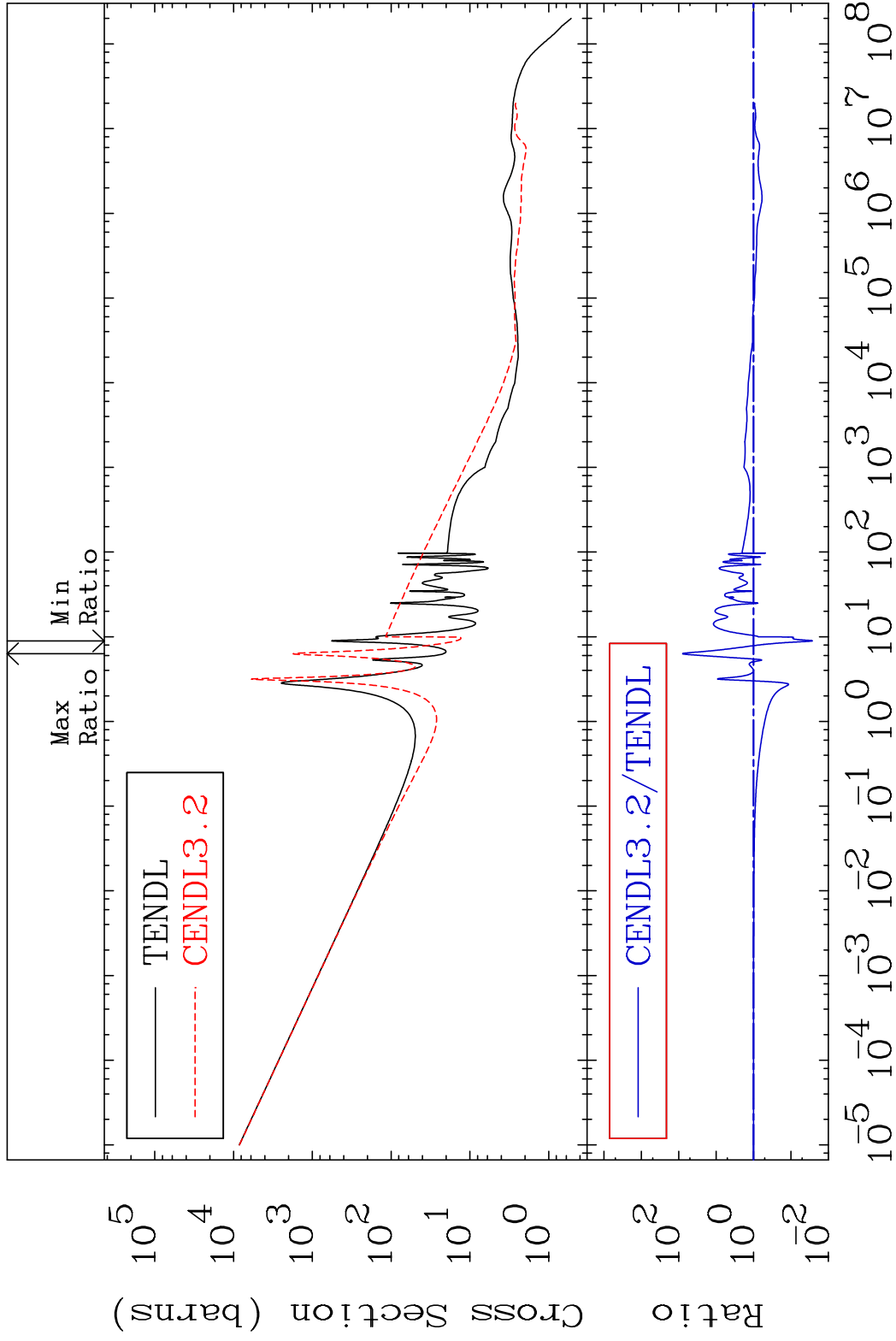
94-Pu-236

MAT 9428

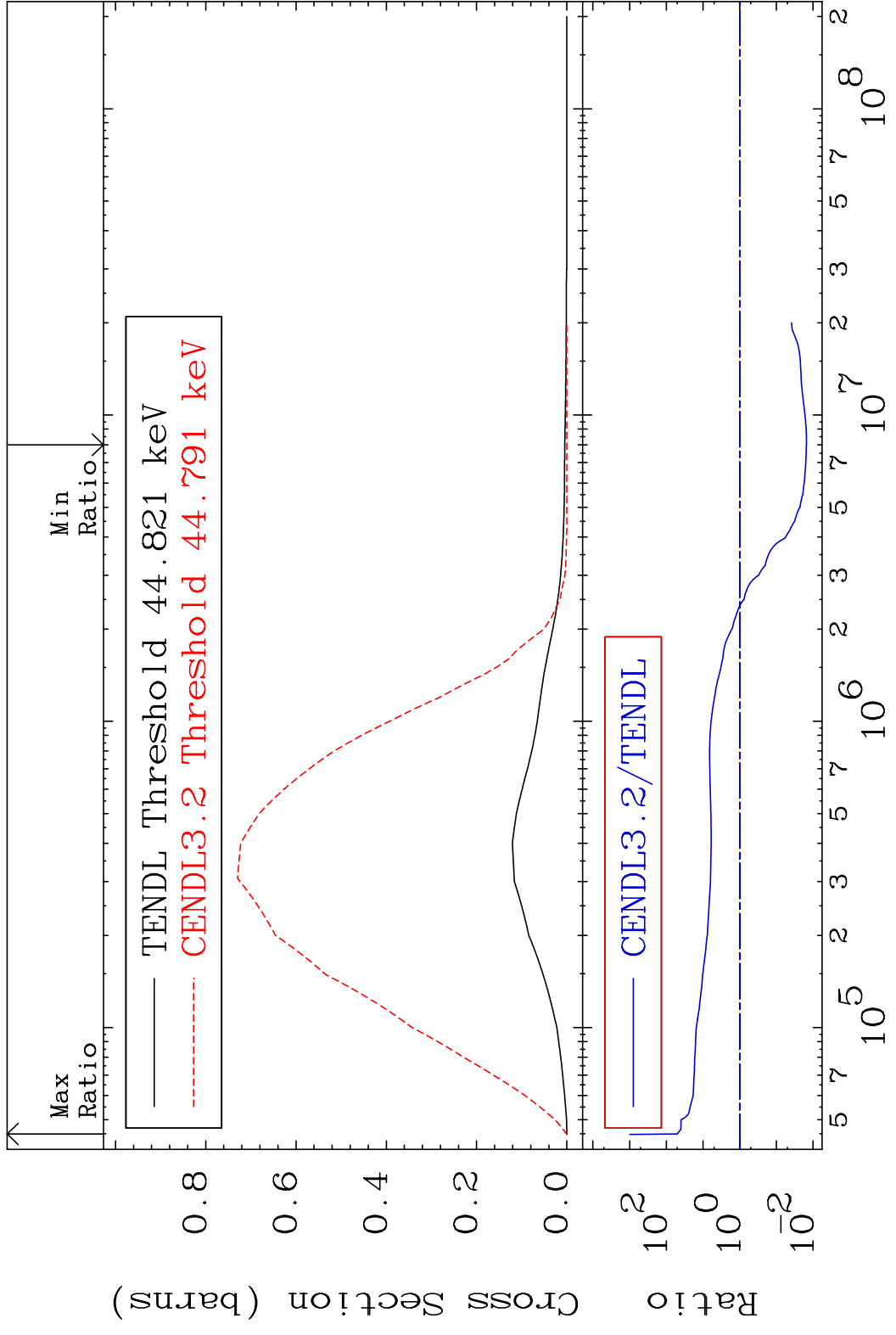
Fission

94-Pu-236

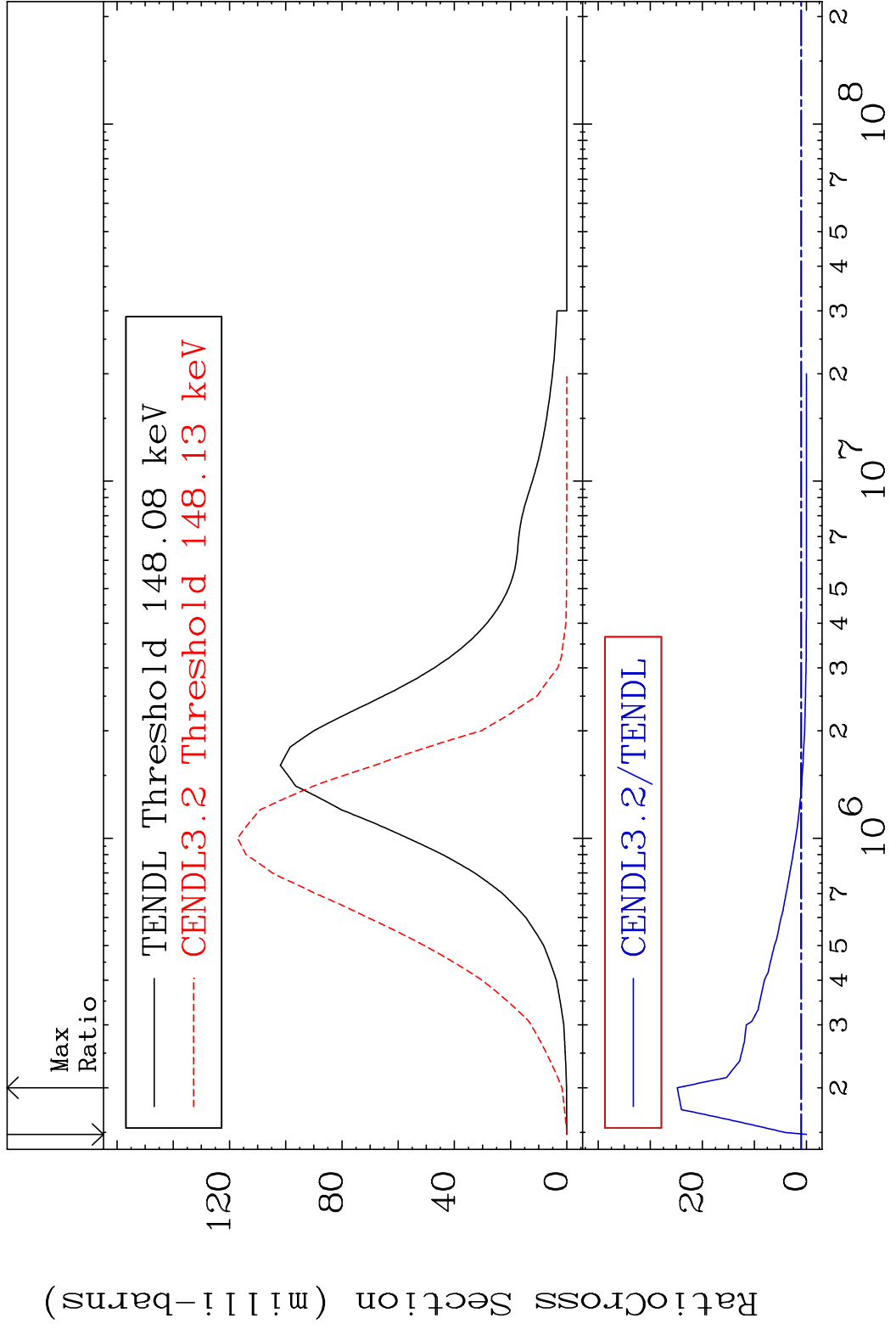
Cross Section -97.36 To 7920. %



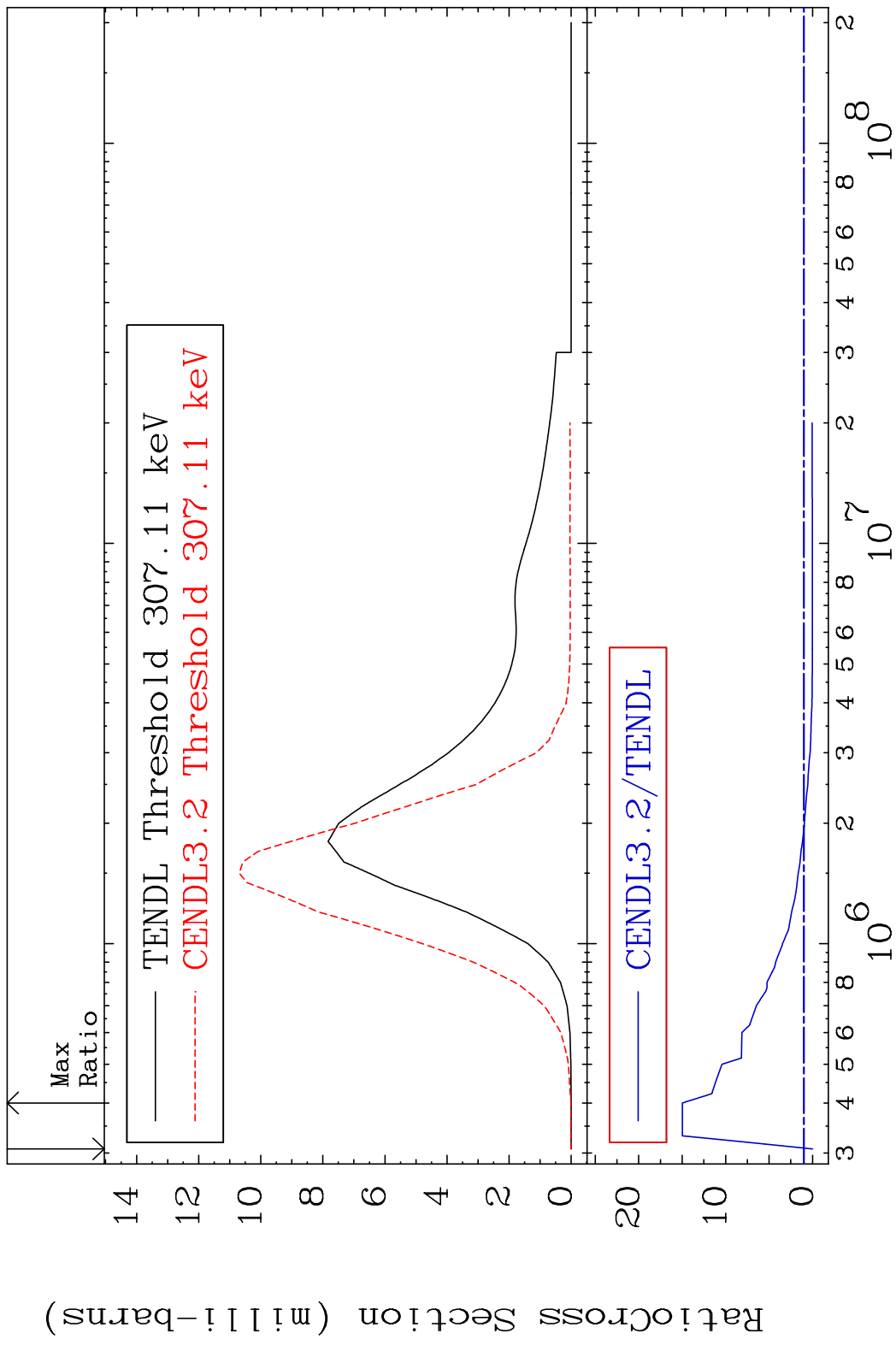
MAT 9428 MT= 51 (n,n') Level 94-Pu-236
 Cross Section -98.48 To 4944. %



MAT 9428 MT= 52 (n,n') Level 94-Pu-236
 Cross Section -100.0 To 2384. %



MAT 9428 MT= 53 (n,n') Level 94-Pu-236
 Cross Section -100.0 To 1398. %

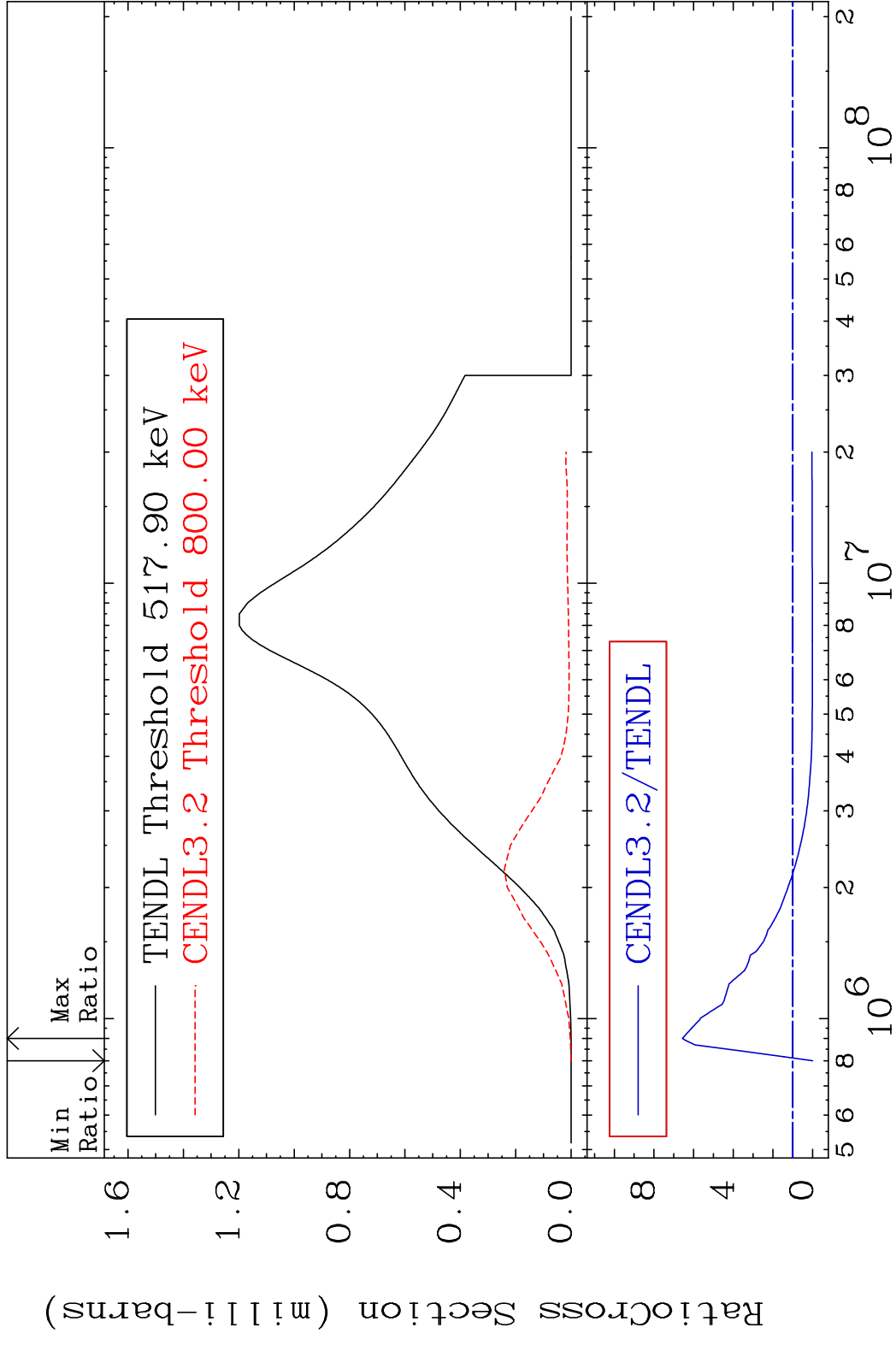


MAT 9428

MT= 54 (n, n') Level

94-Pu-236

Cross Section -100.0 To 556.8 %

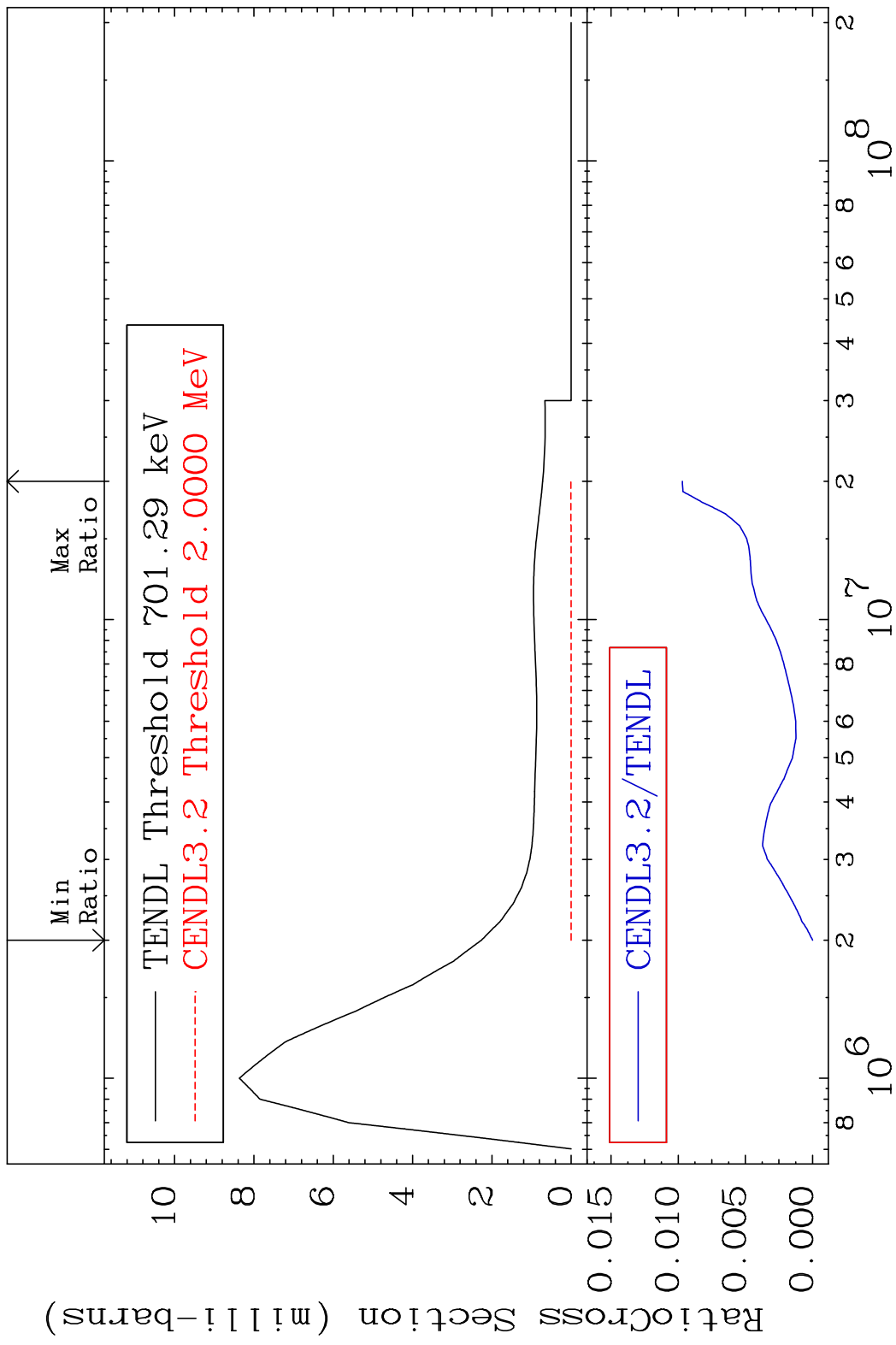


10

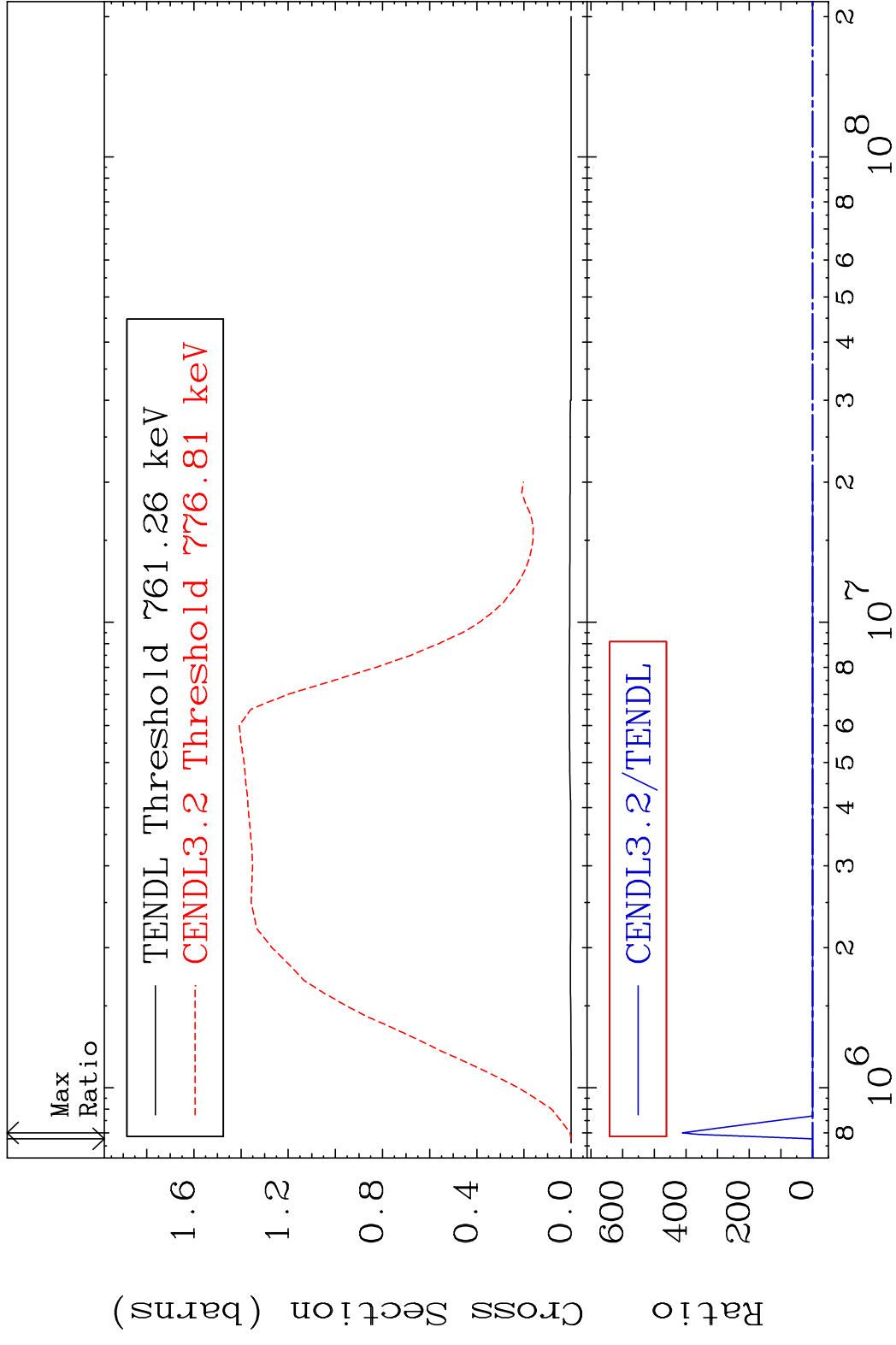
Incident Energy (eV)

94-Pu-236

MAT 9428 MT= 55 (n, n') Level 94-Pu-236
 Cross Section -100.0 To -99.03%



MAT 9428 (n,n') Continuum 94-Pu-236
 Cross Section -100.0 To 9999. %



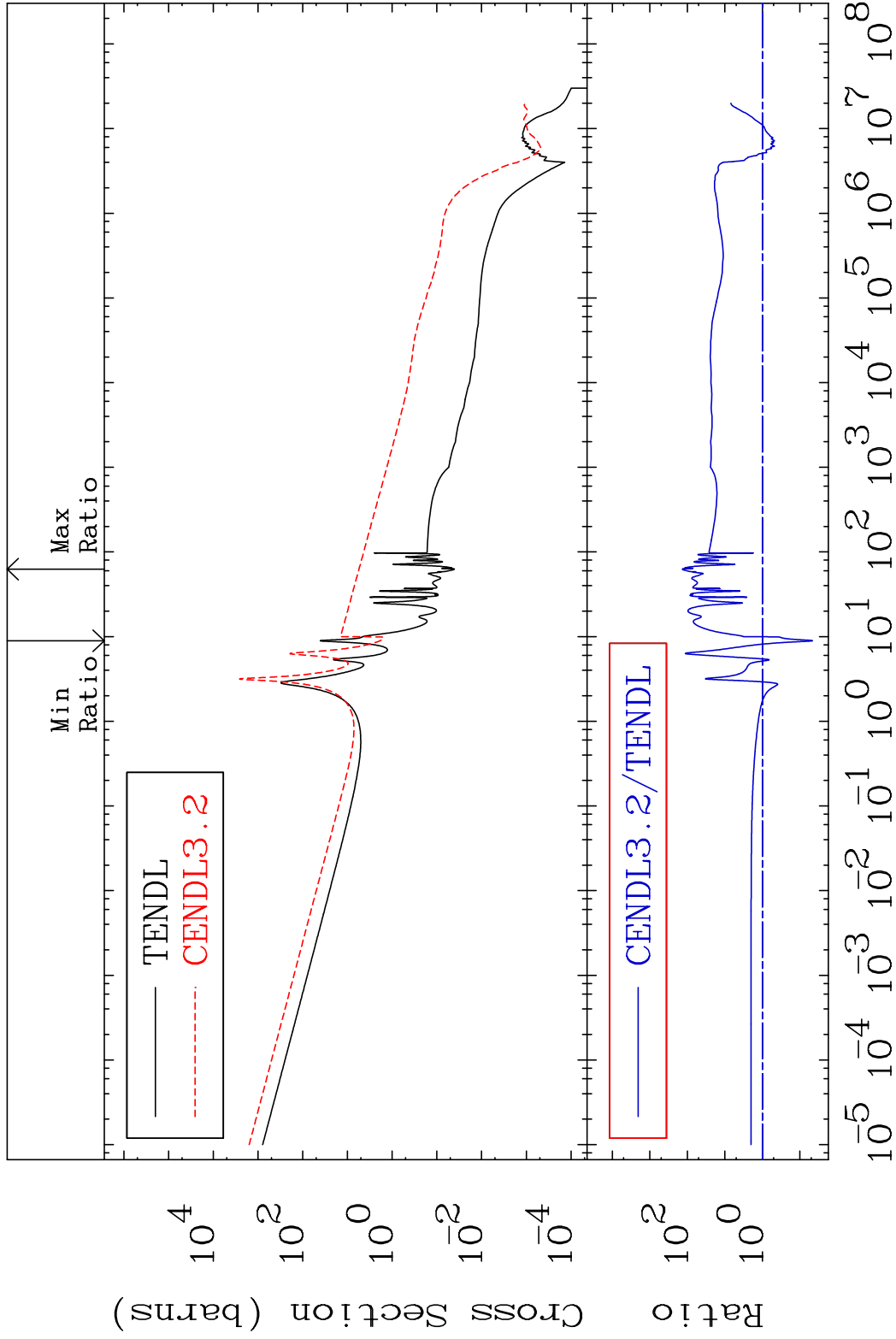
12 Incident Energy (eV) 94-Pu-236

MAT 9428

94-Pu-236

(n, γ)

Cross Section -95.42 To 9999. %

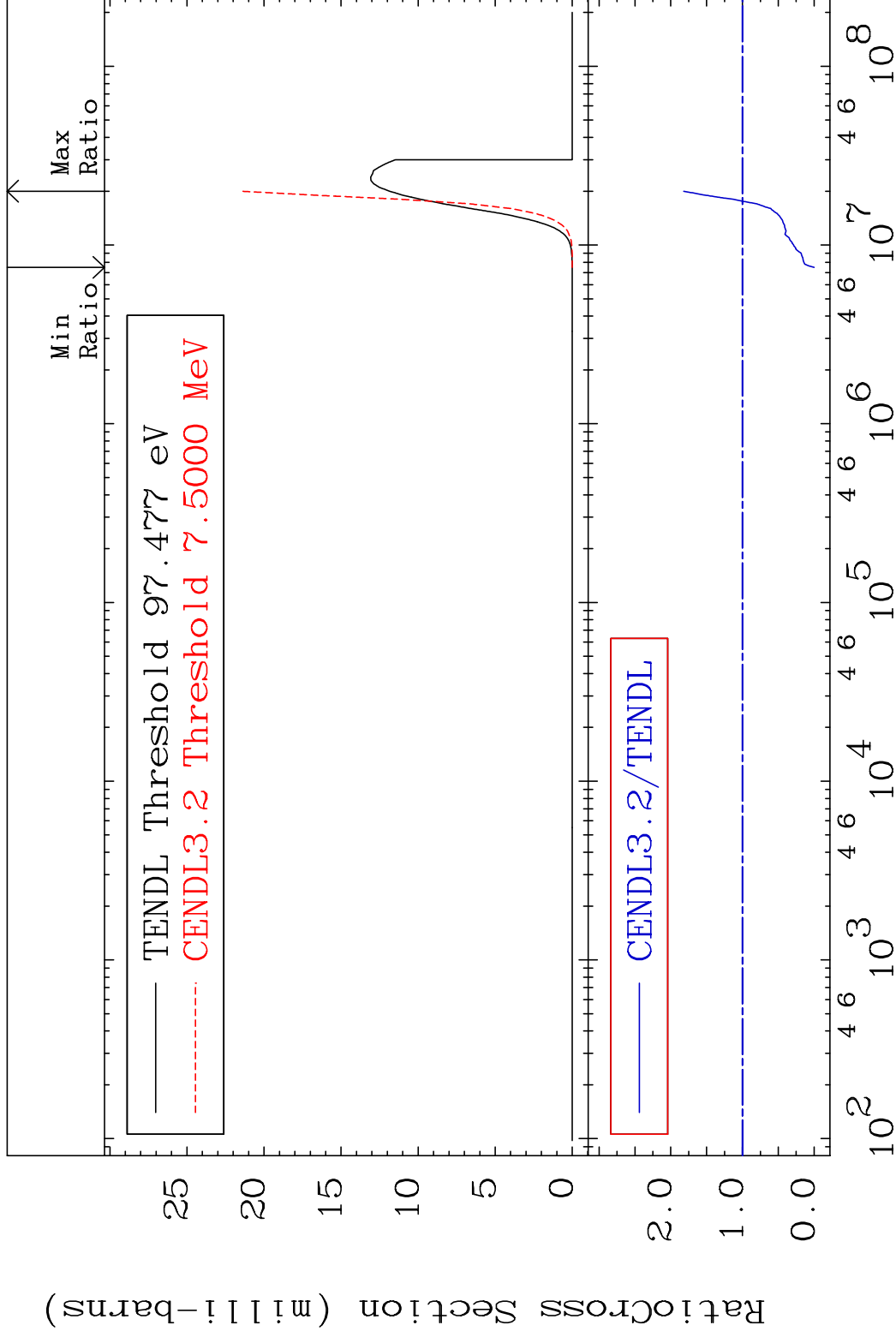


MAT 9428

(n, p)

94-Pu-236

Cross Section -100.0 To 82.03 %



14

Incident Energy (eV)

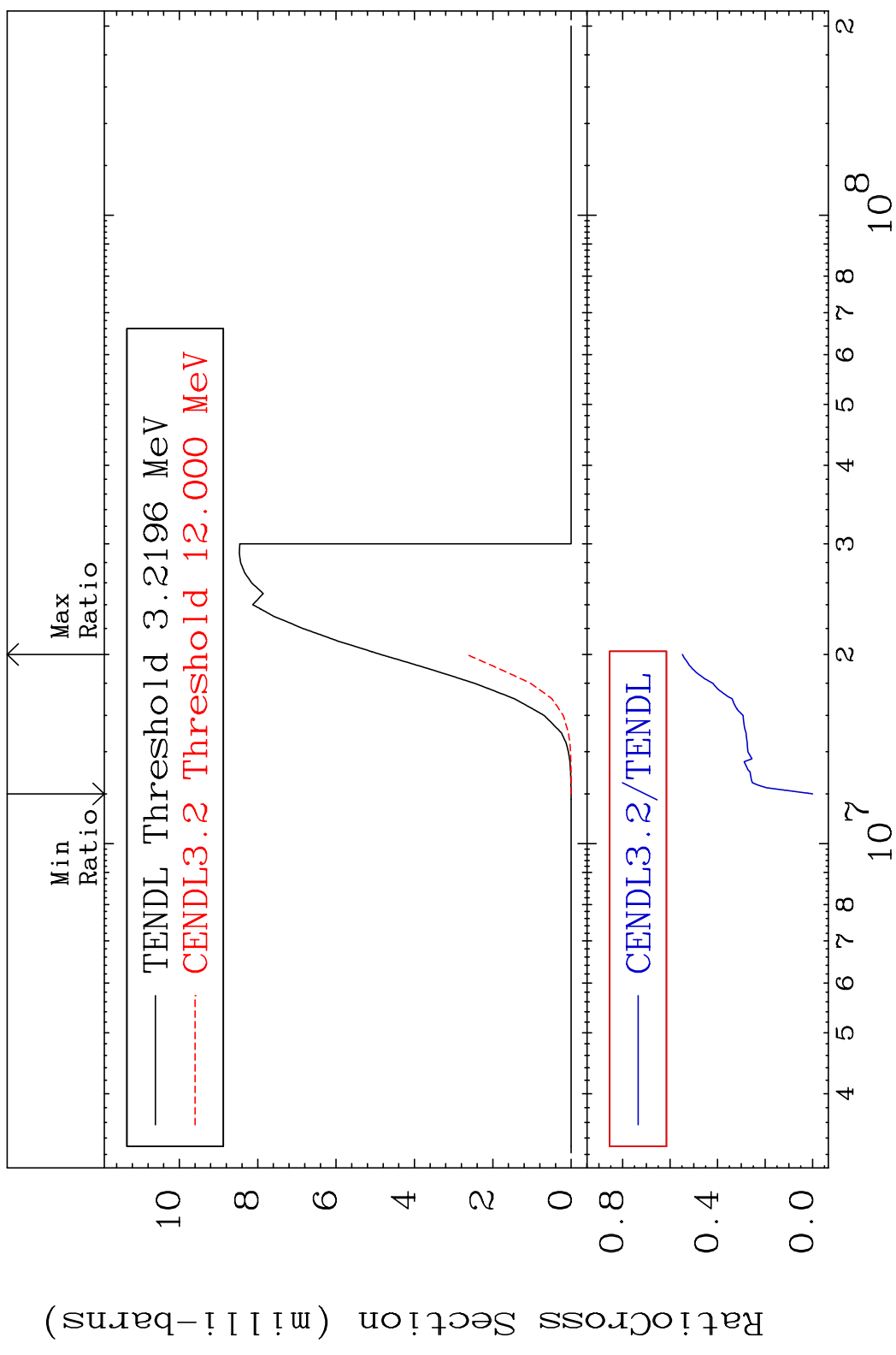
94-Pu-236

MAT 9428

(n,d)

94-Pu-236

Cross Section -100.0 To -45.15%

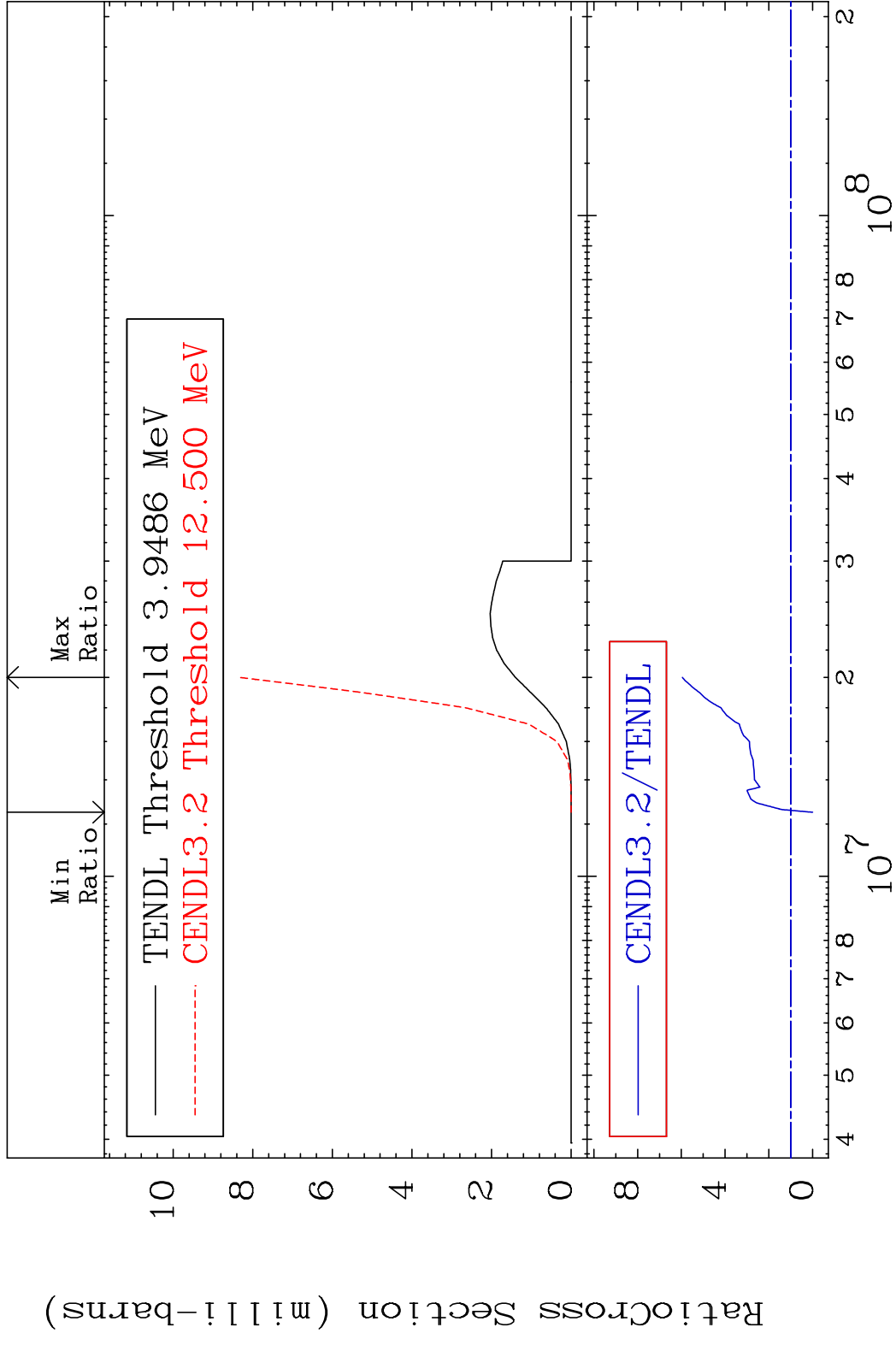


MAT 9428

94-Pu-236

(n, t)

Cross Section -100.0 To 495.4 %



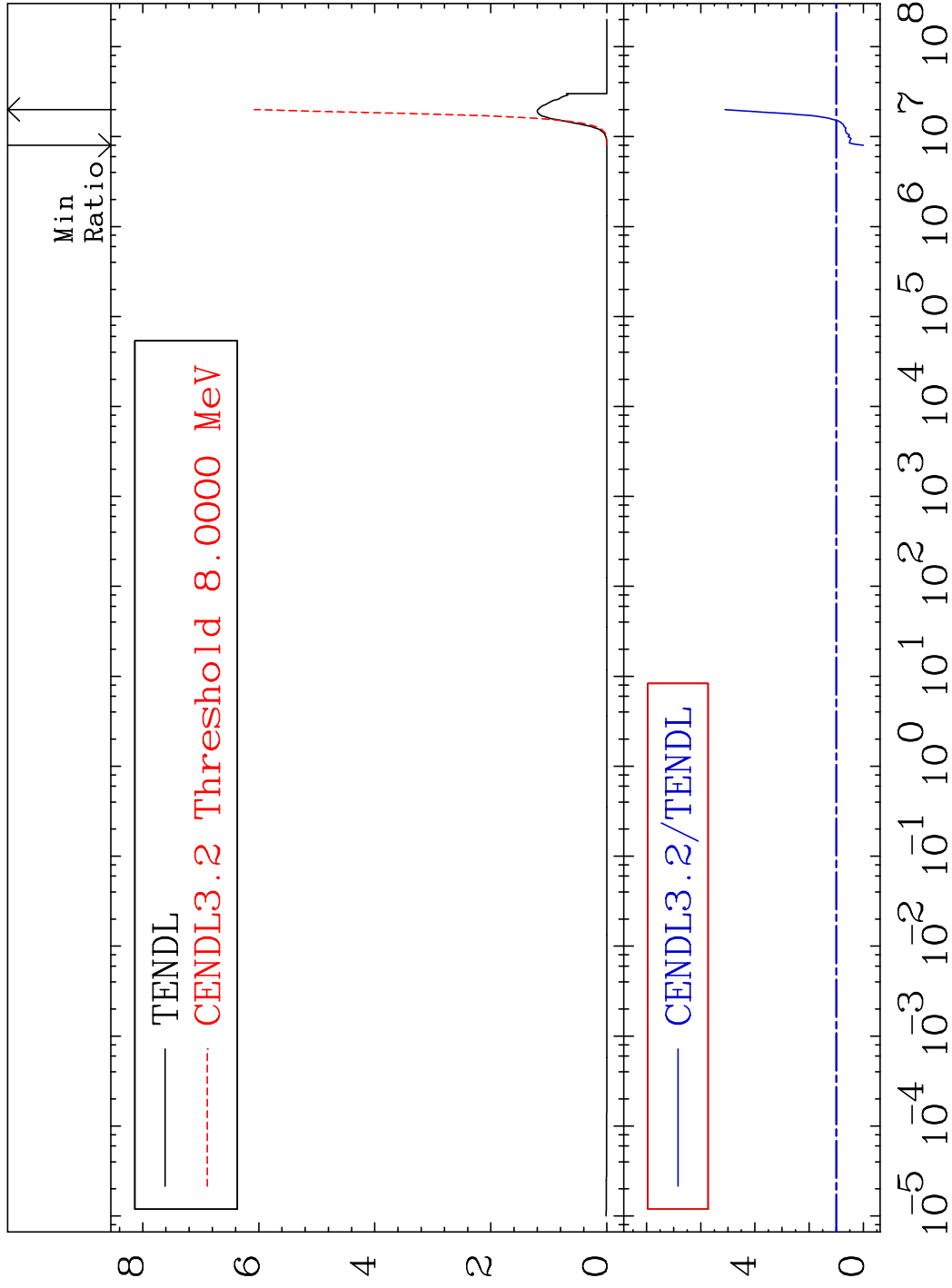
MAT 9428

(n, α)

94-Pu-236

Cross Section -100.0 To 410.4 %

RatioCross Section (milli-barns)



17

Incident Energy (eV)

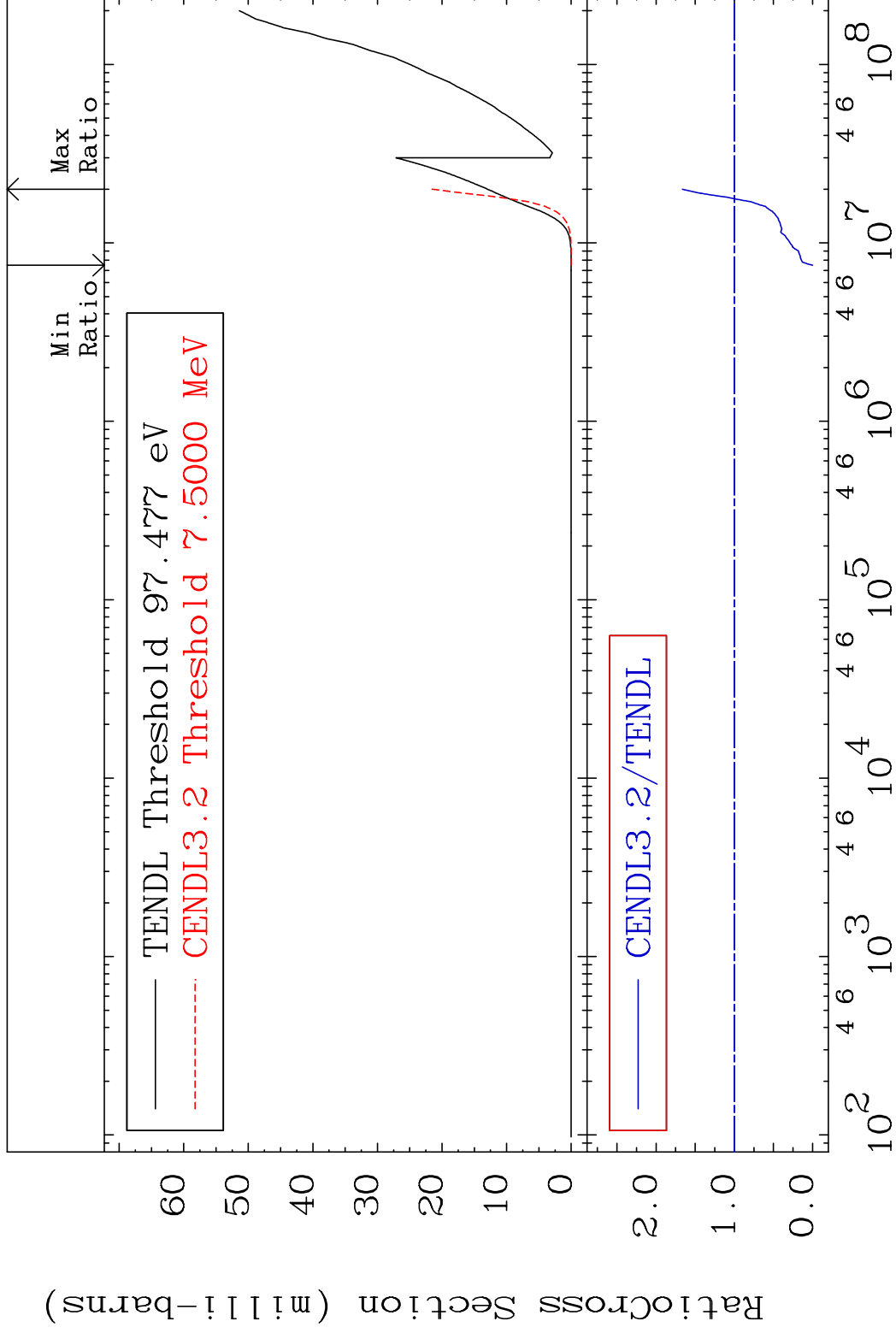
94-Pu-236

MAT 9428

Hydrogen Production

94-Pu-236

Cross Section -100.0 To 66.44 %



18

Incident Energy (eV)

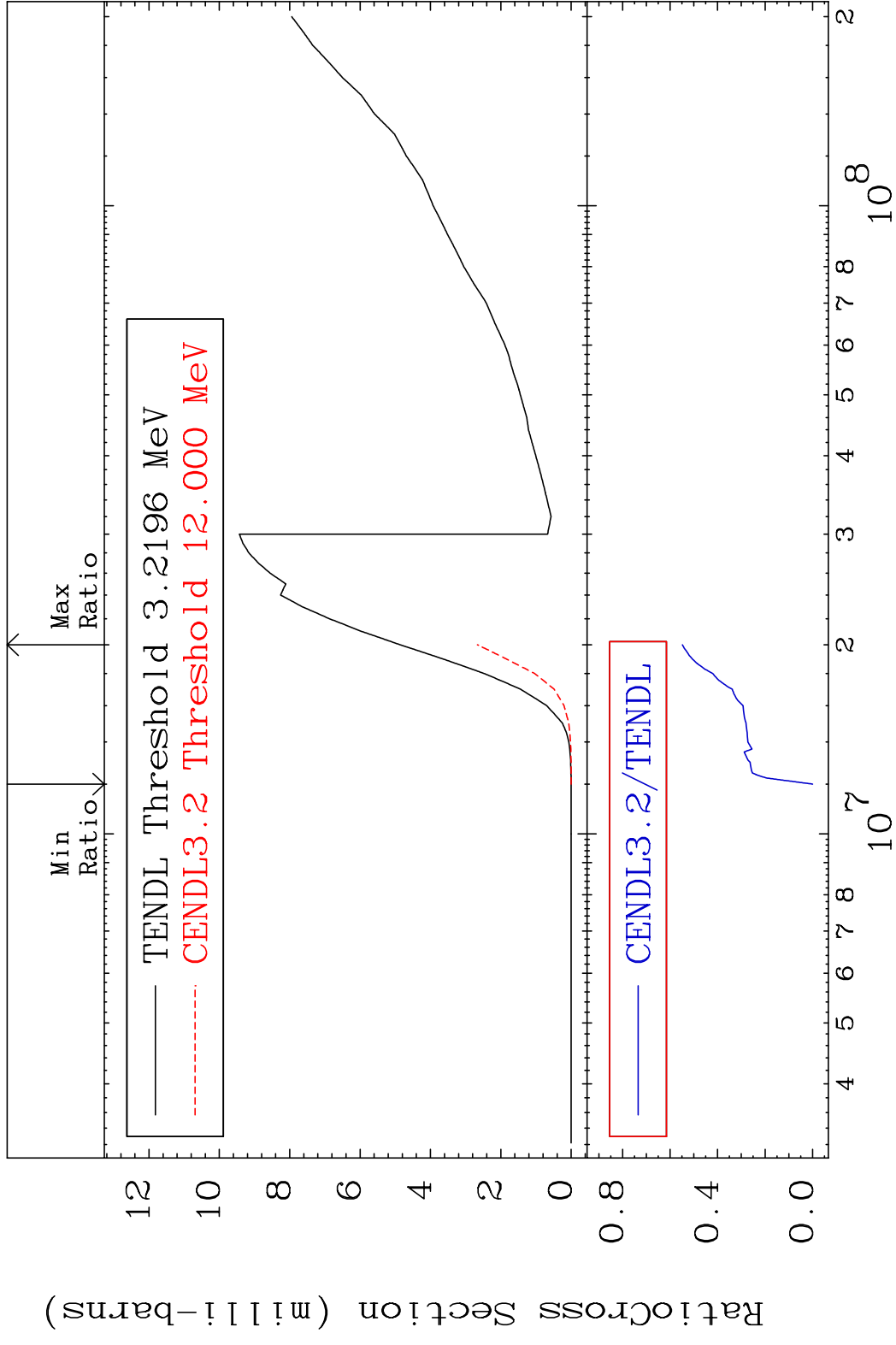
94-Pu-236

MAT 9428

Deuterium Production

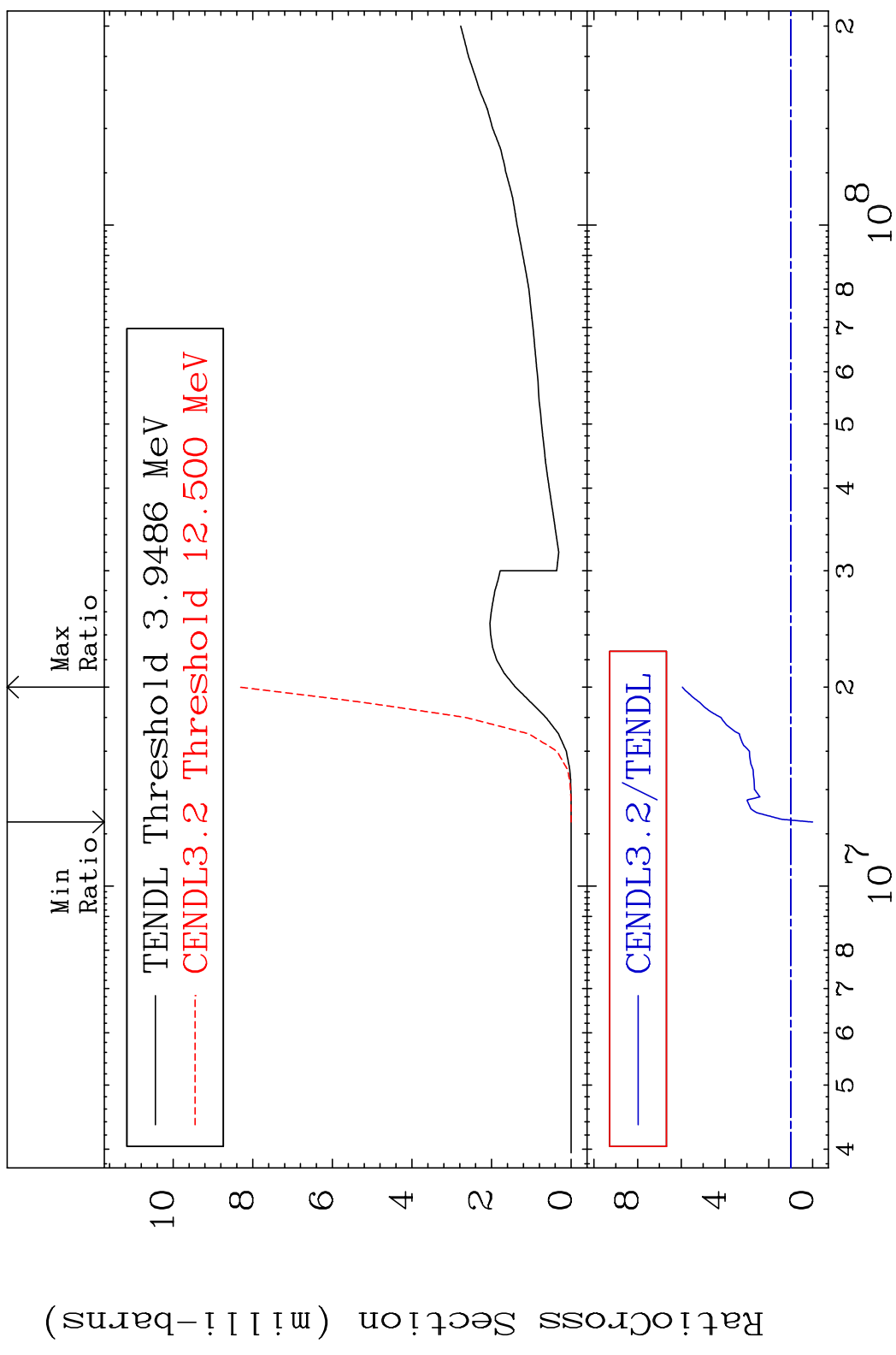
94-Pu-236

Cross Section -100.0 To -45.17%



MAT 9428

Tritium Production 94-Pu-236
Cross Section -100.0 To 495.4 %



20

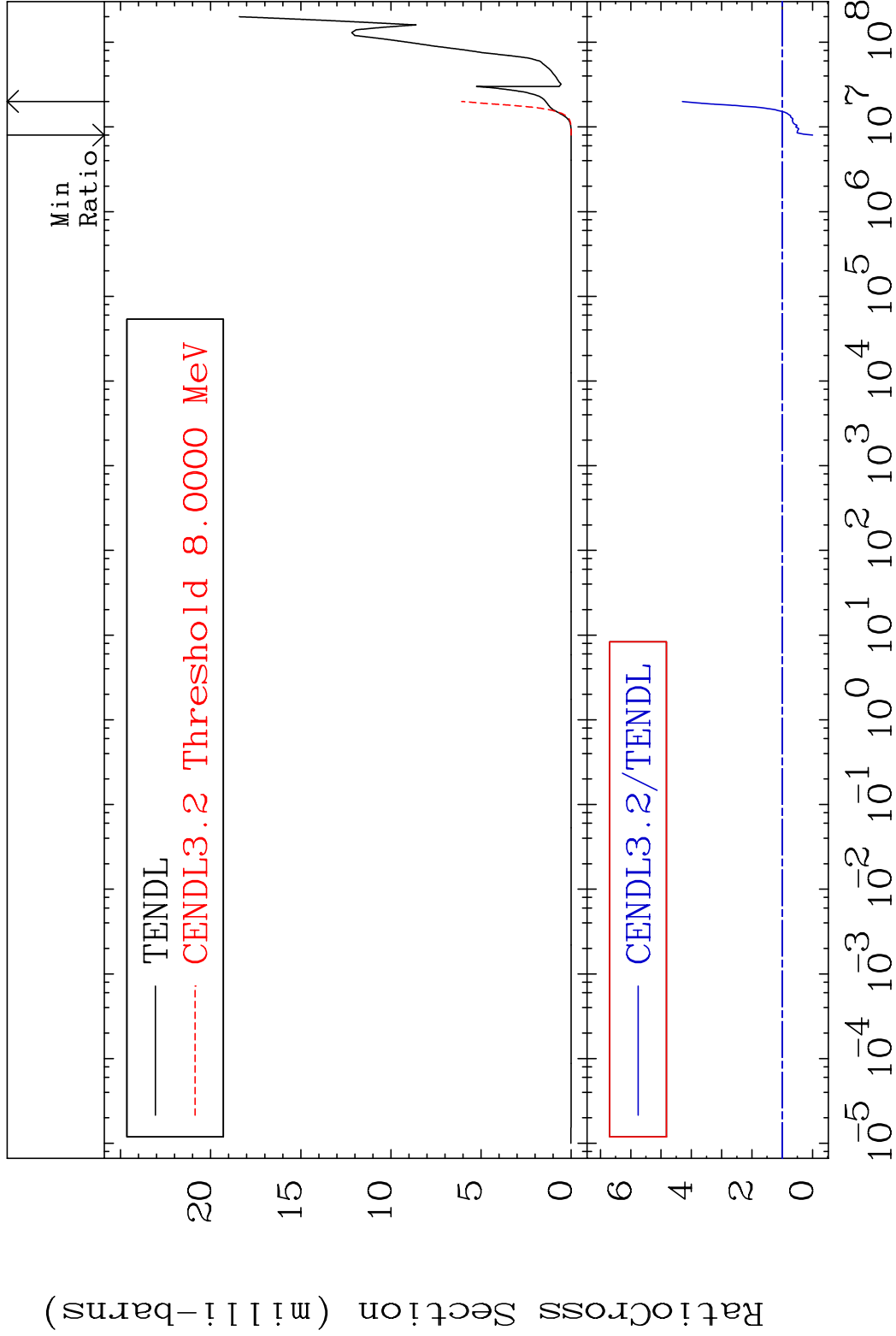
94-Pu-236

MAT 9428

He-4 Production

94-Pu-236

Cross Section -100.0 To 329.7 %



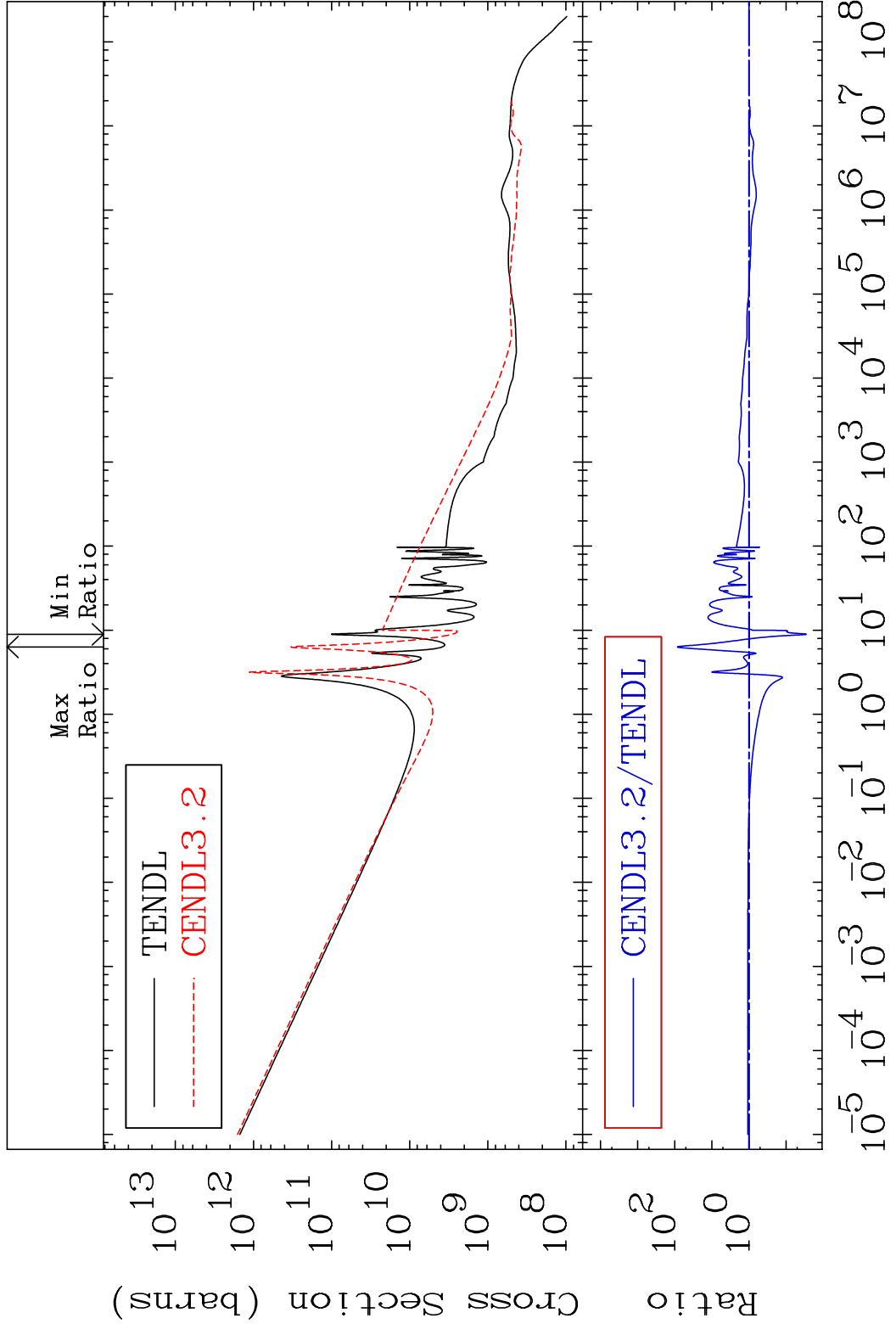
21

Incident Energy (eV)

94-Pu-236

MAT 9428

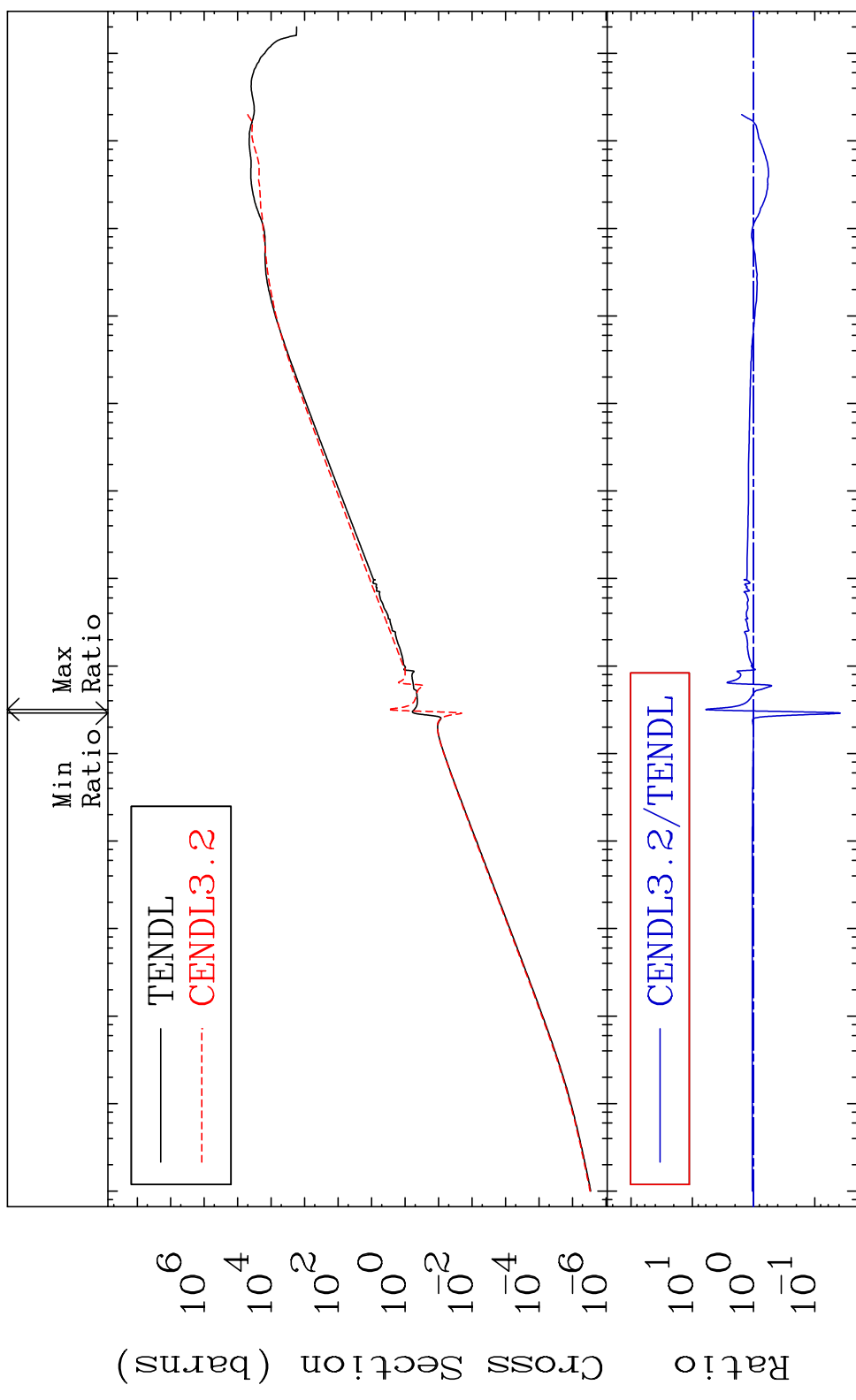
Kerma total (eV-barns) 94-Pu-236
Cross Section -97.17 To 8504. %



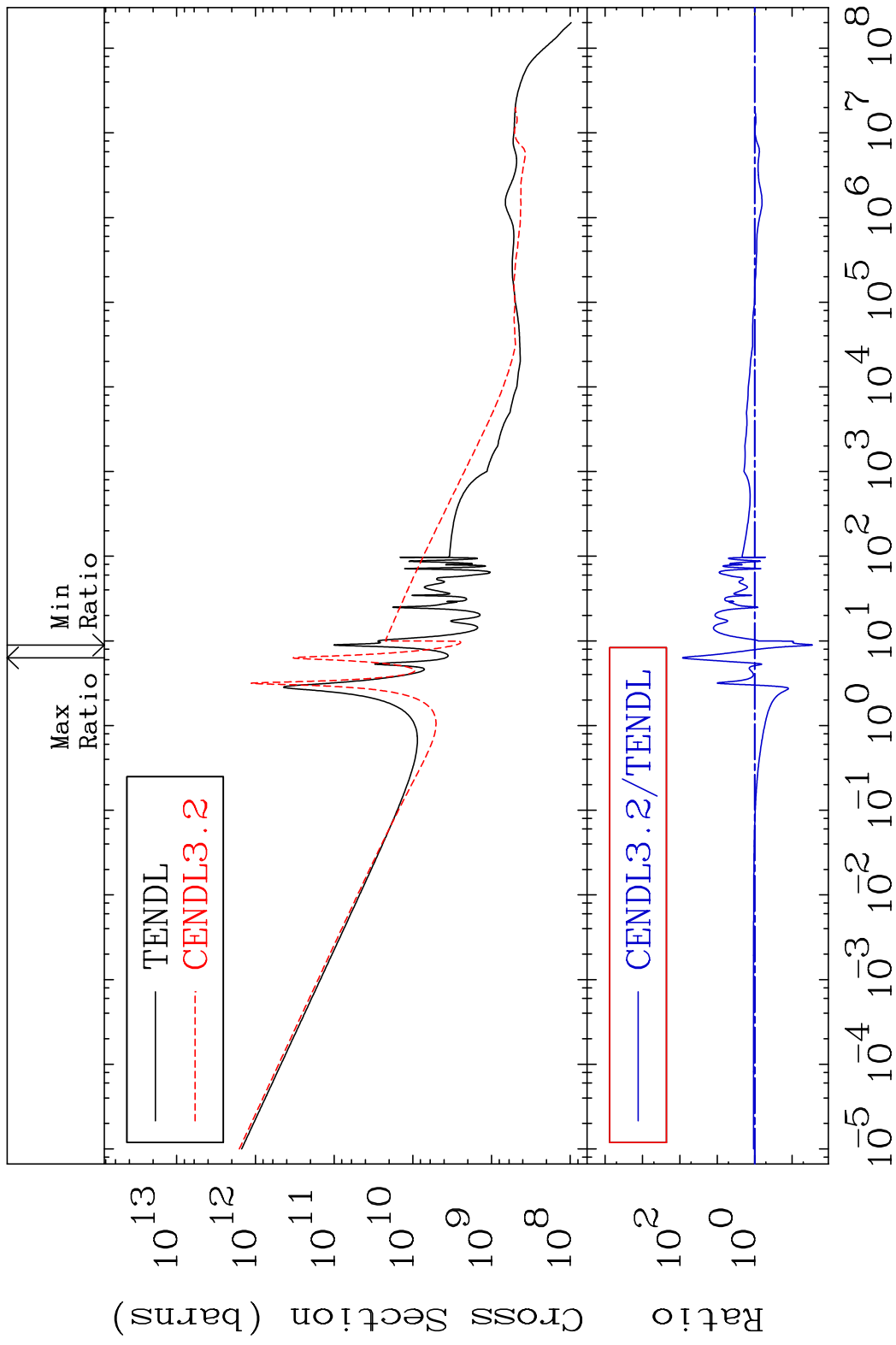
MAT 9428

Kerma elastic
Cross Section -96.20 To 501.7 %

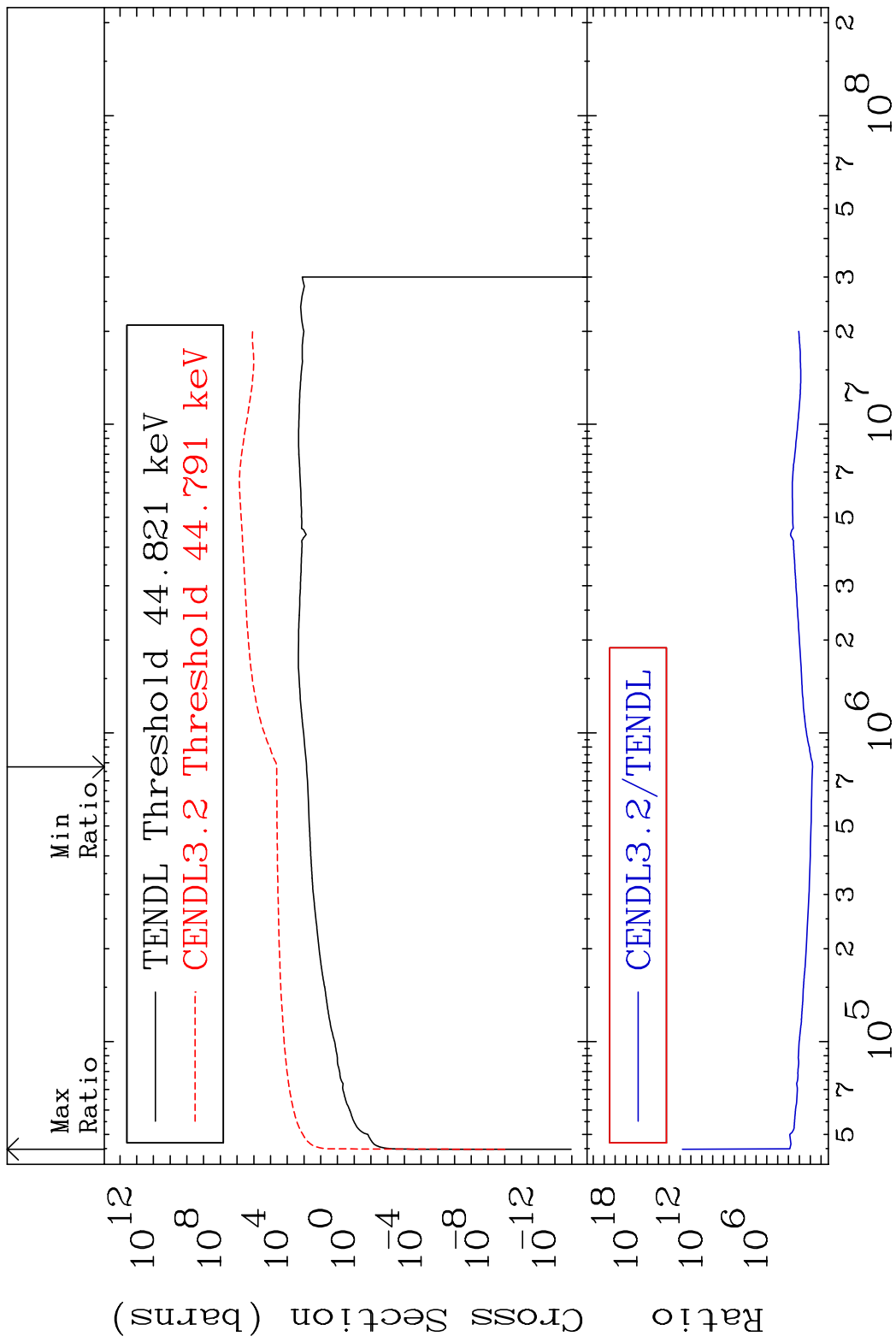
94-Pu-236



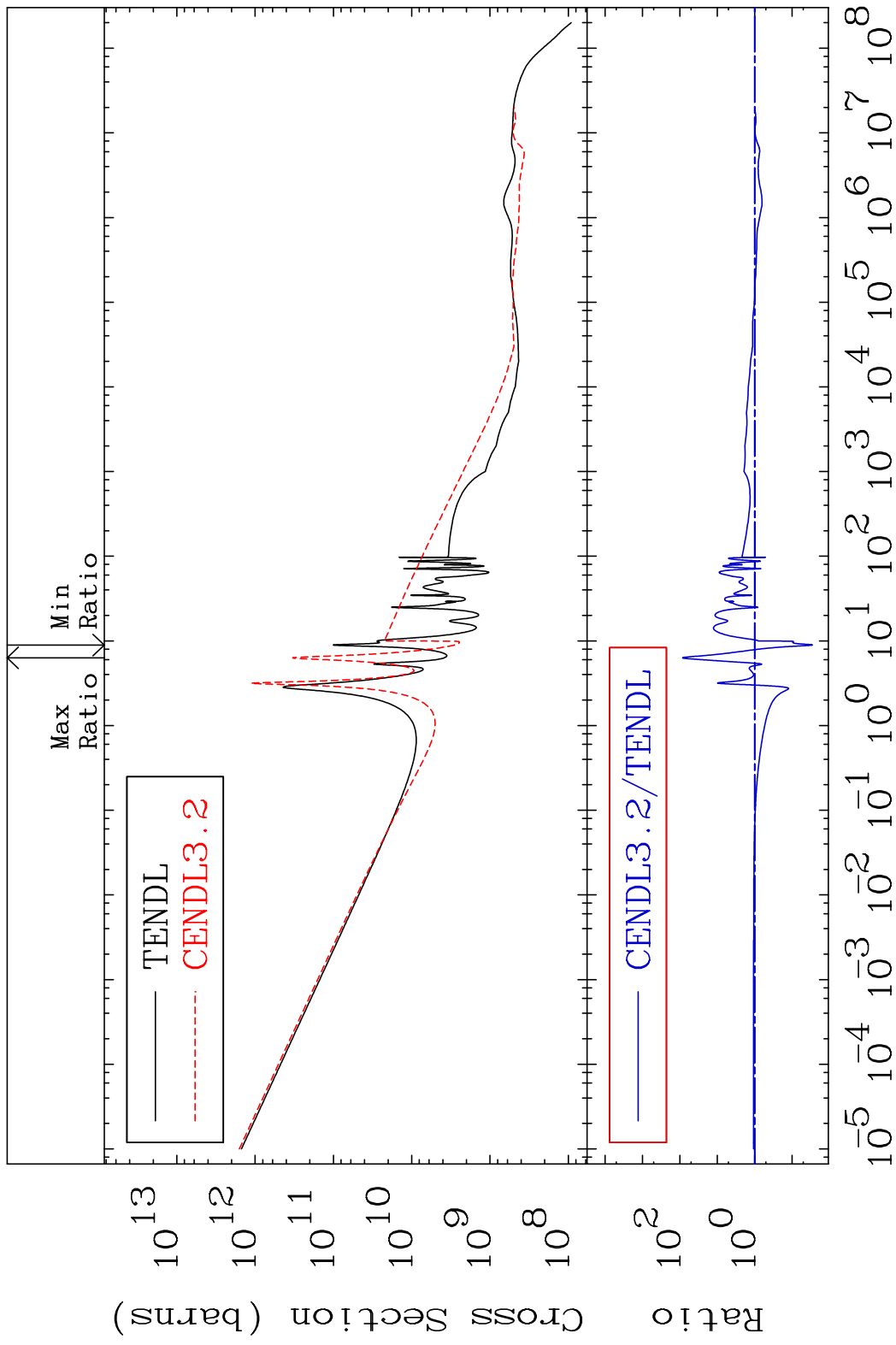
MAT 9428 Kerma non-elastic (all but mt2) 94-Pu-236
 Cross Section -97.17 To 8504. %

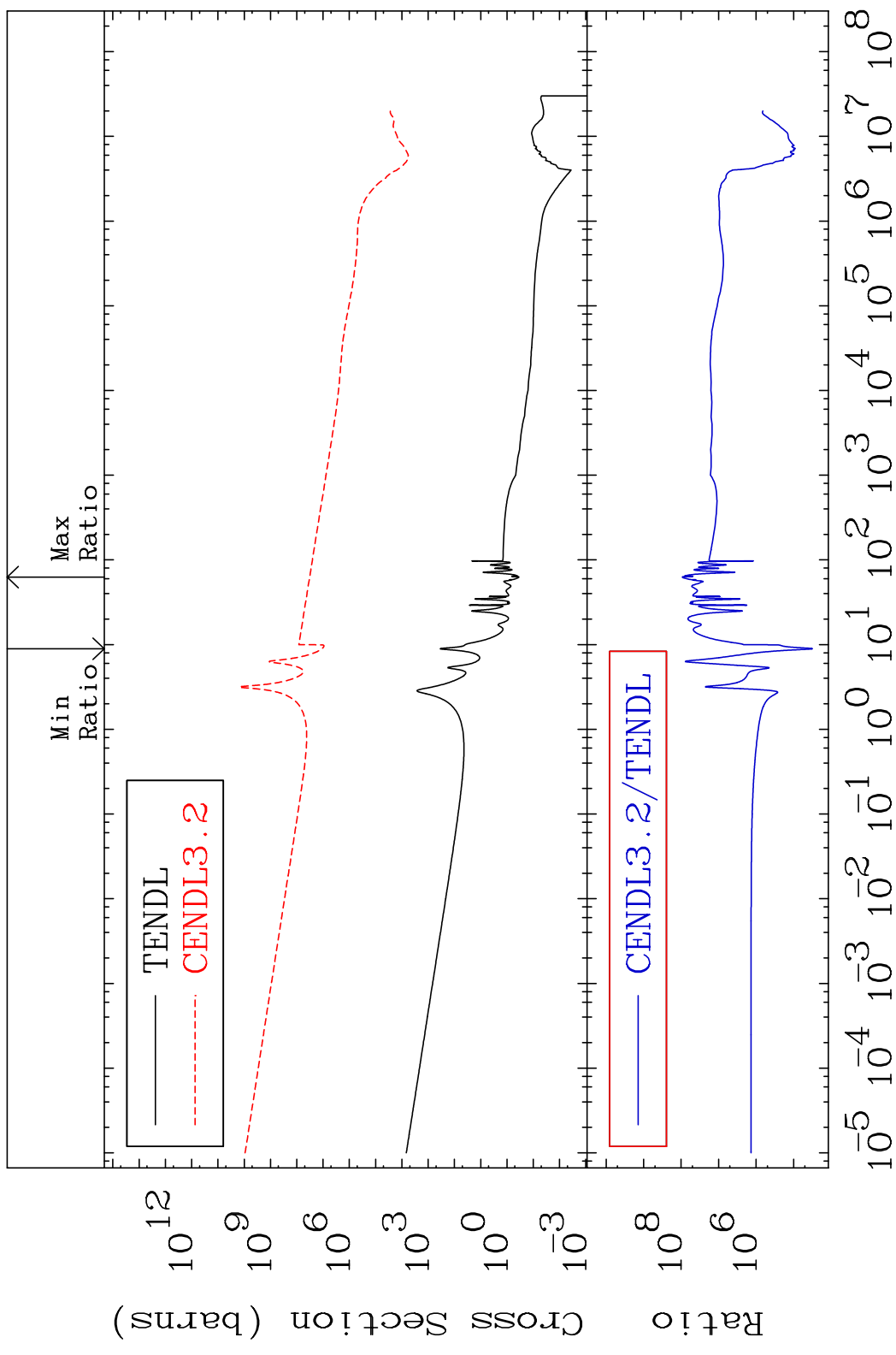


MAT 9428 Kerma inelastic (mt51-91) 94-Pu-236
 Cross Section 6002. To 9999. %

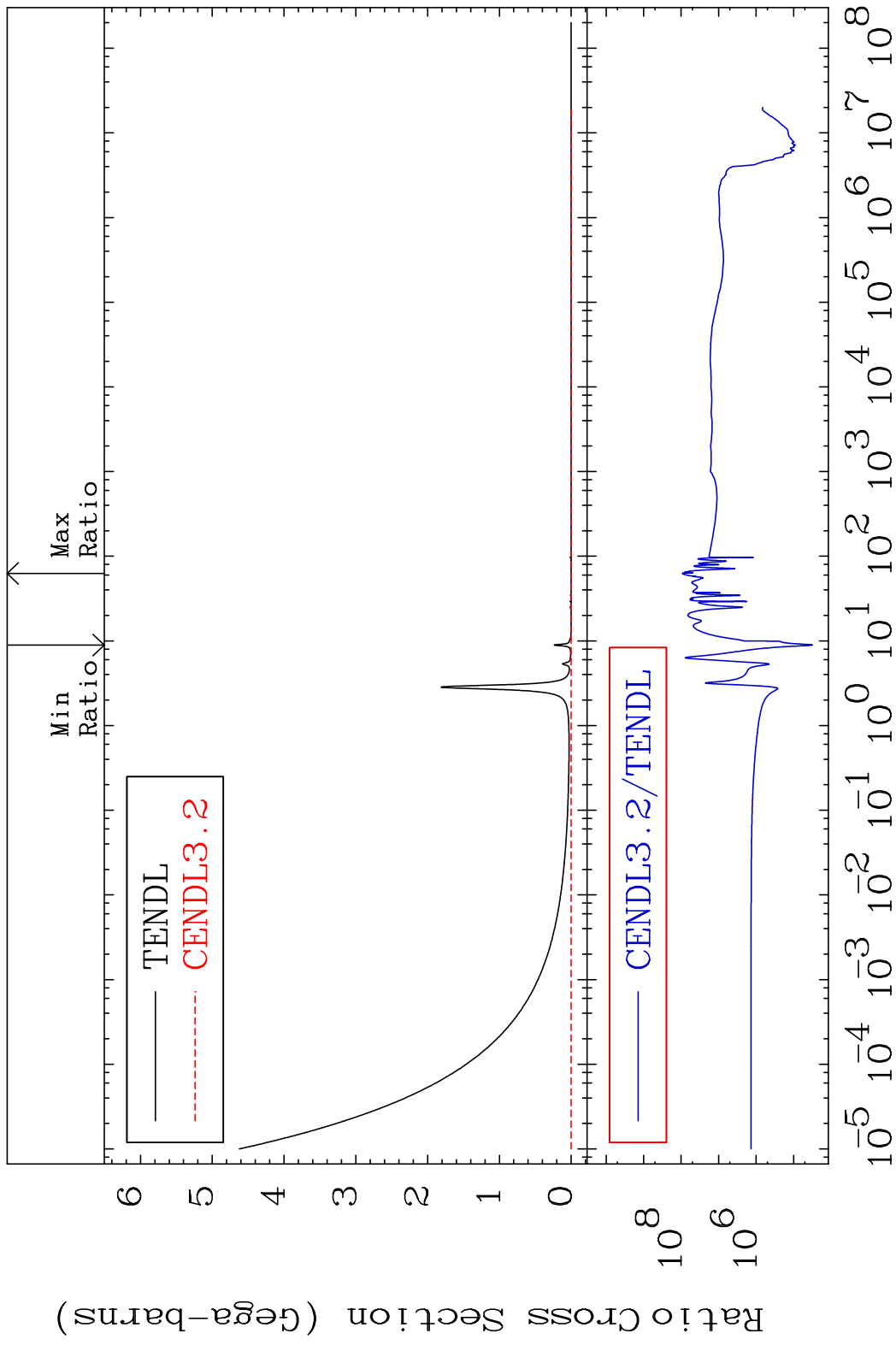


MAT 9428 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-236
 Cross Section -97.18 To 8474. %



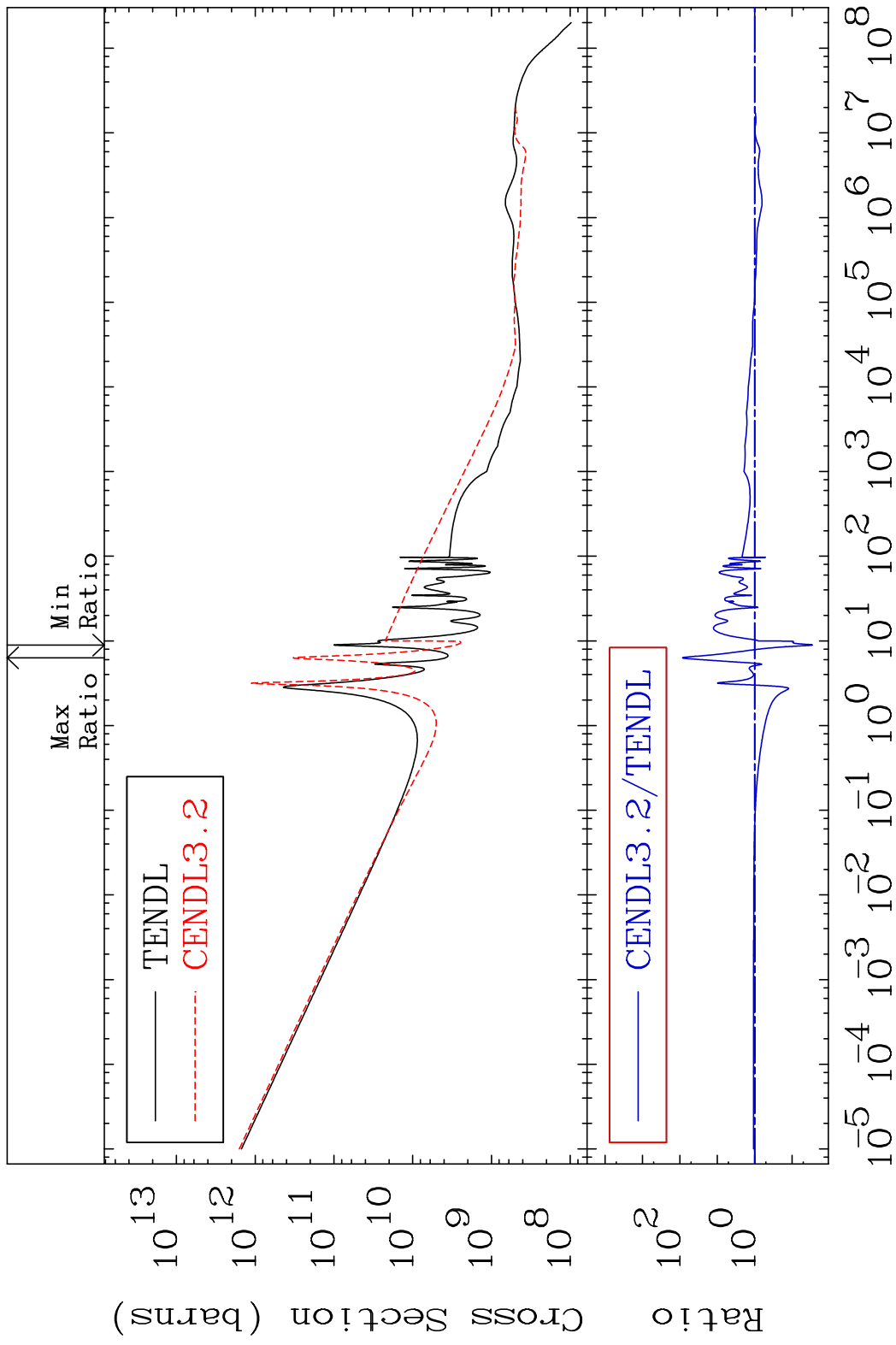


MAT 9428 Total photon (eV-barns) 94-Pu-236
 Cross Section 9999. To 9999. %



28 Incident Energy (eV) 94-Pu-236

MAT 9428 Total kinematic kerma (high limit) 94-Pu-236
 Cross Section -97.18 To 8474. %

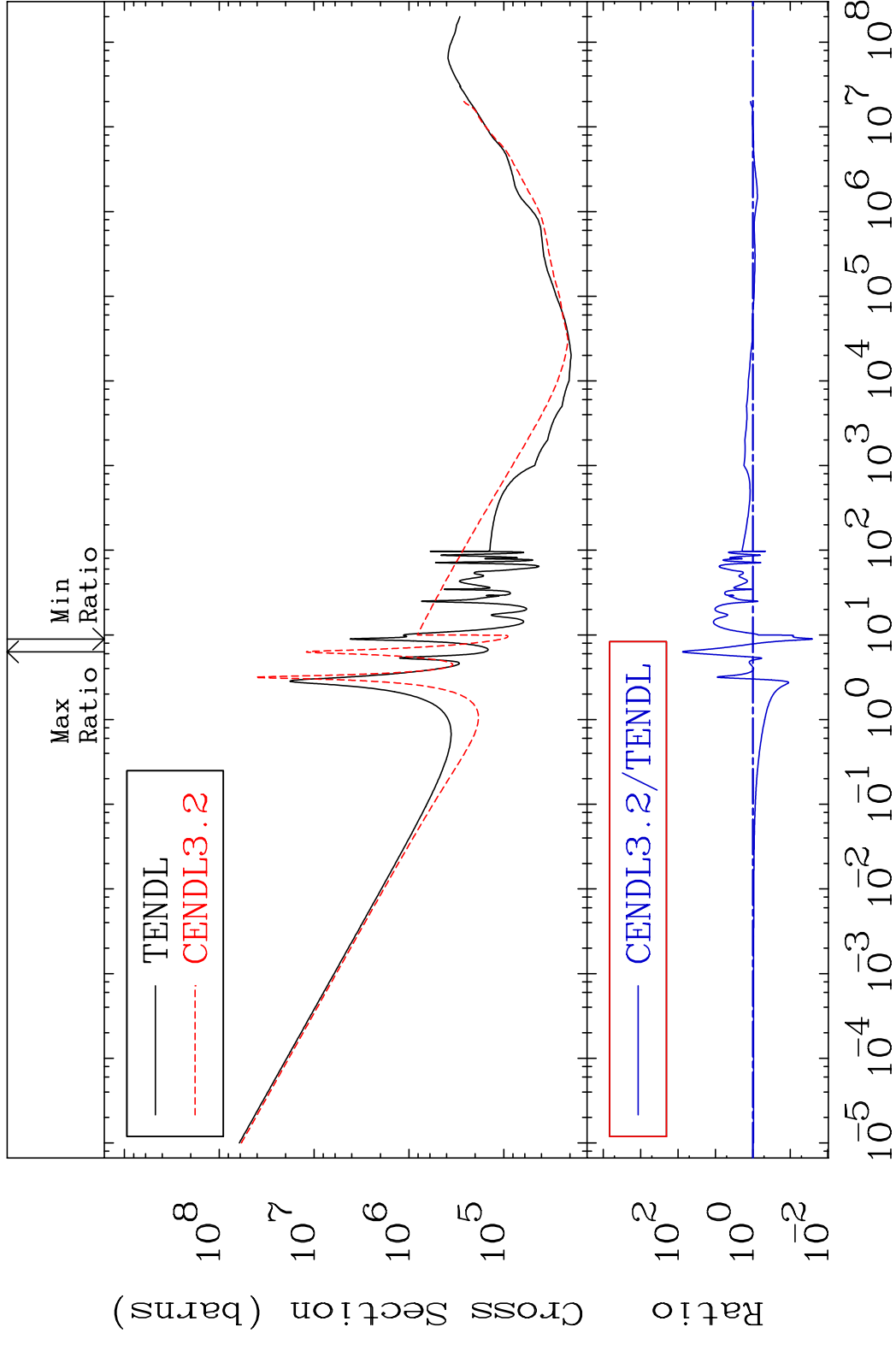


MAT 9428

Dpa total (eV-barns)

94-Pu-236

Cross Section -97.48 To 7558. %



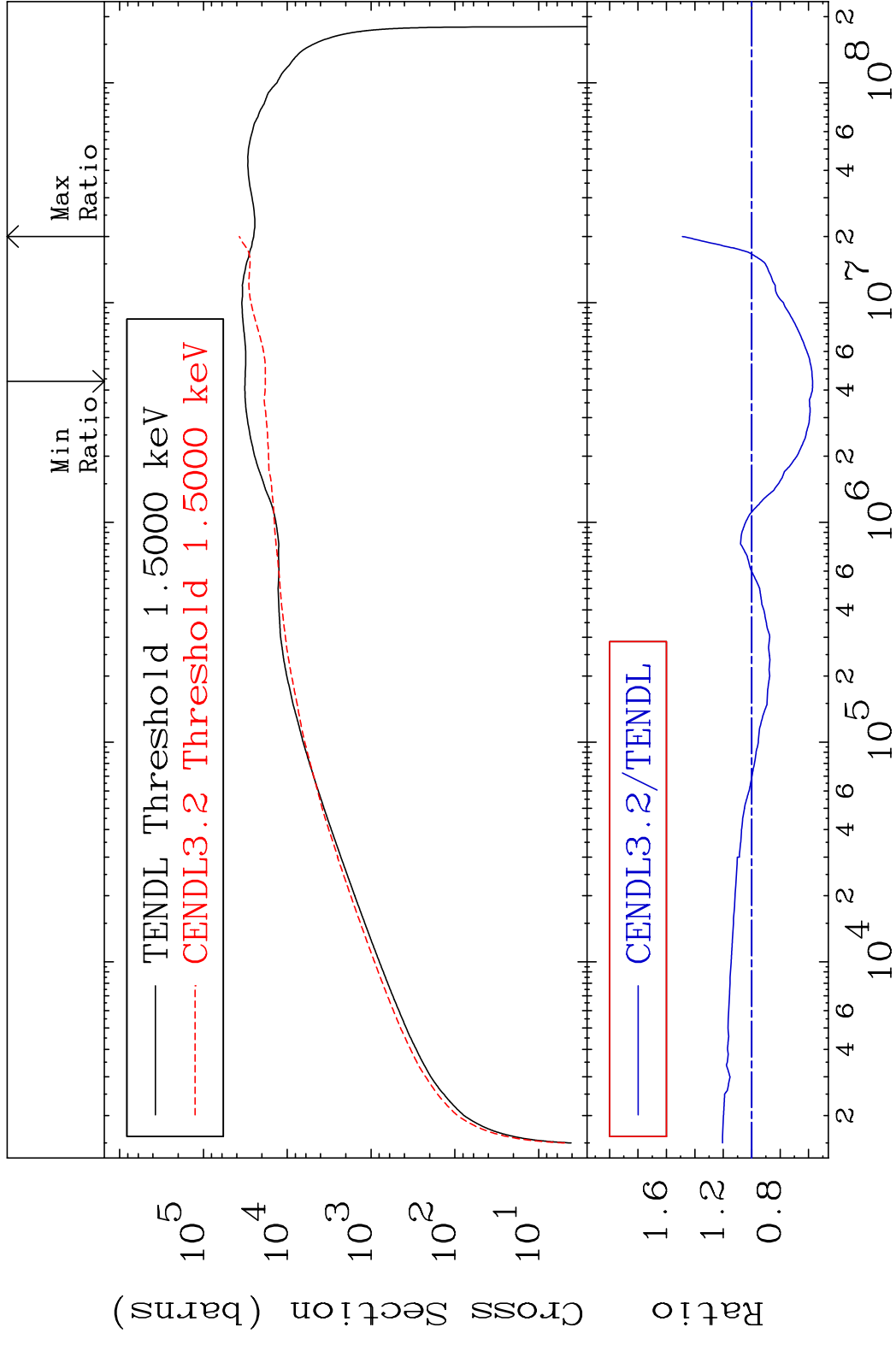
MAT 9428

Dpa elastic (mt2)

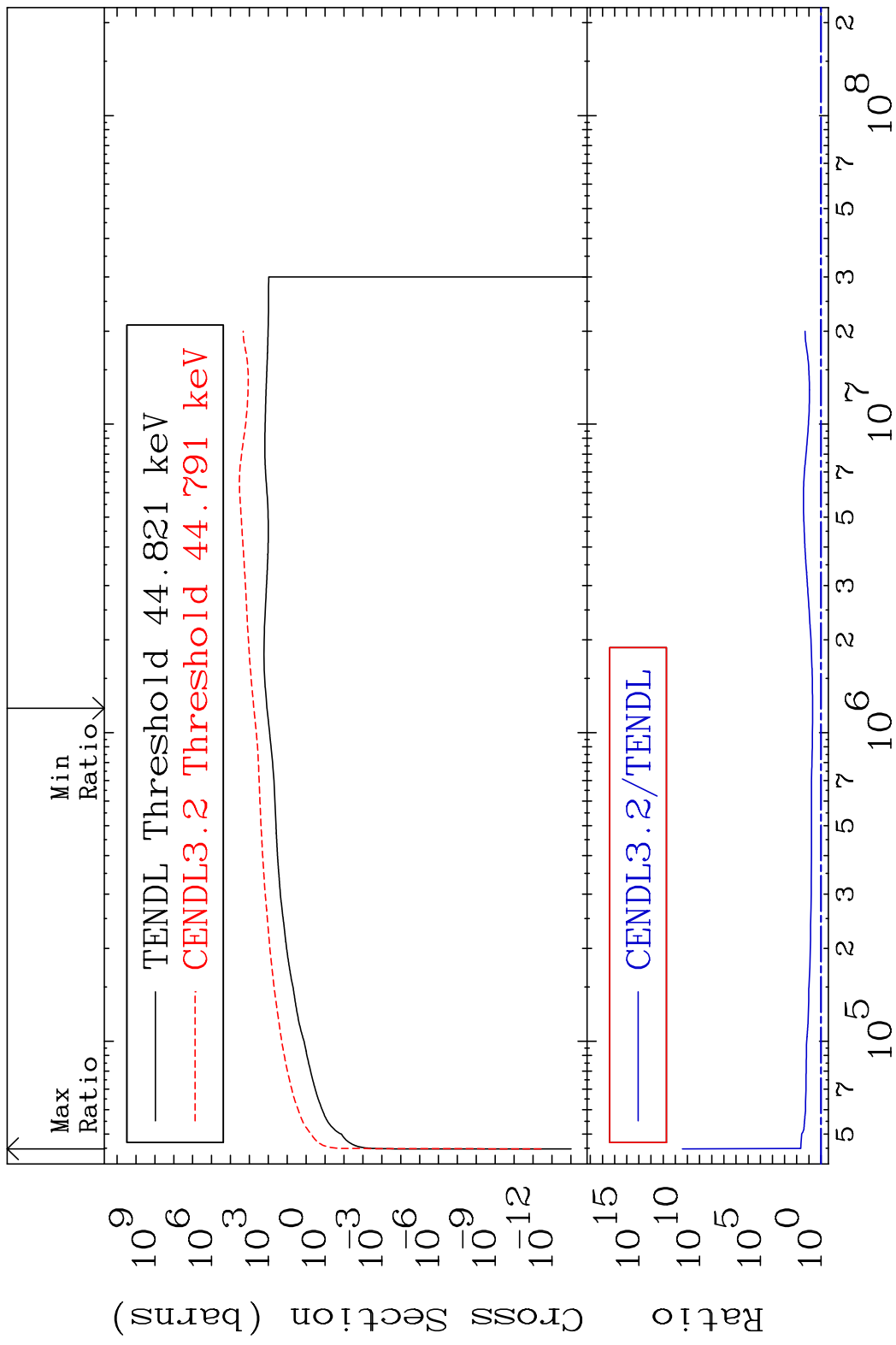
94-Pu-236

Cross Section

-42.80 To 48.79 %



MAT 9428 Dpa inelastic (mt51-91) 94-Pu-236
 Cross Section 395.1 To 9999. %



MAT 9428 Dpa disappearance (mt102 -120) 94-Pu-236
 Cross Section -10.34 To 9999. %

