

Program Complot
(Version 2021-1)

by

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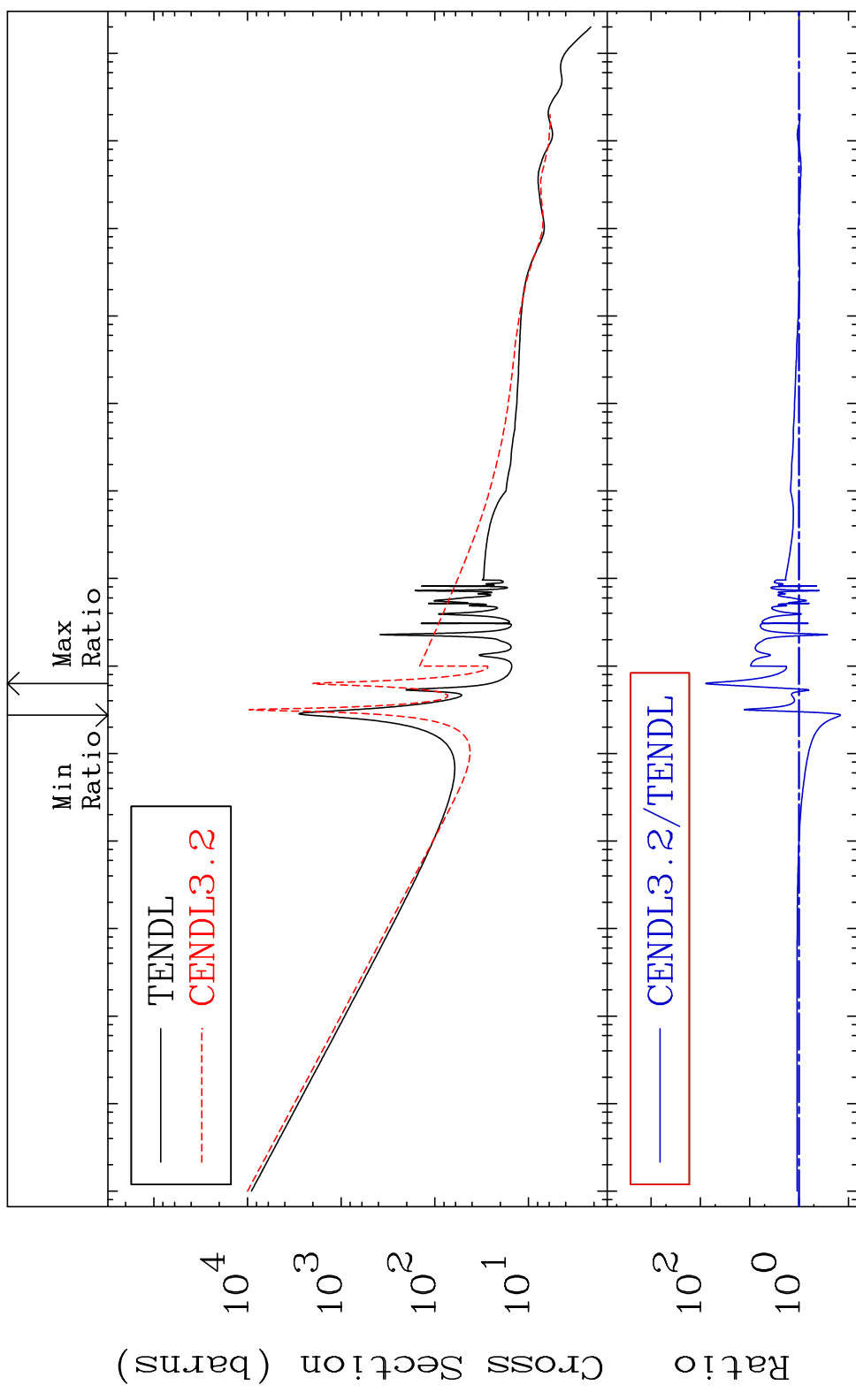
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9428

Total
Cross Section -85.50 To 7691. %

94-Pu-236



10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

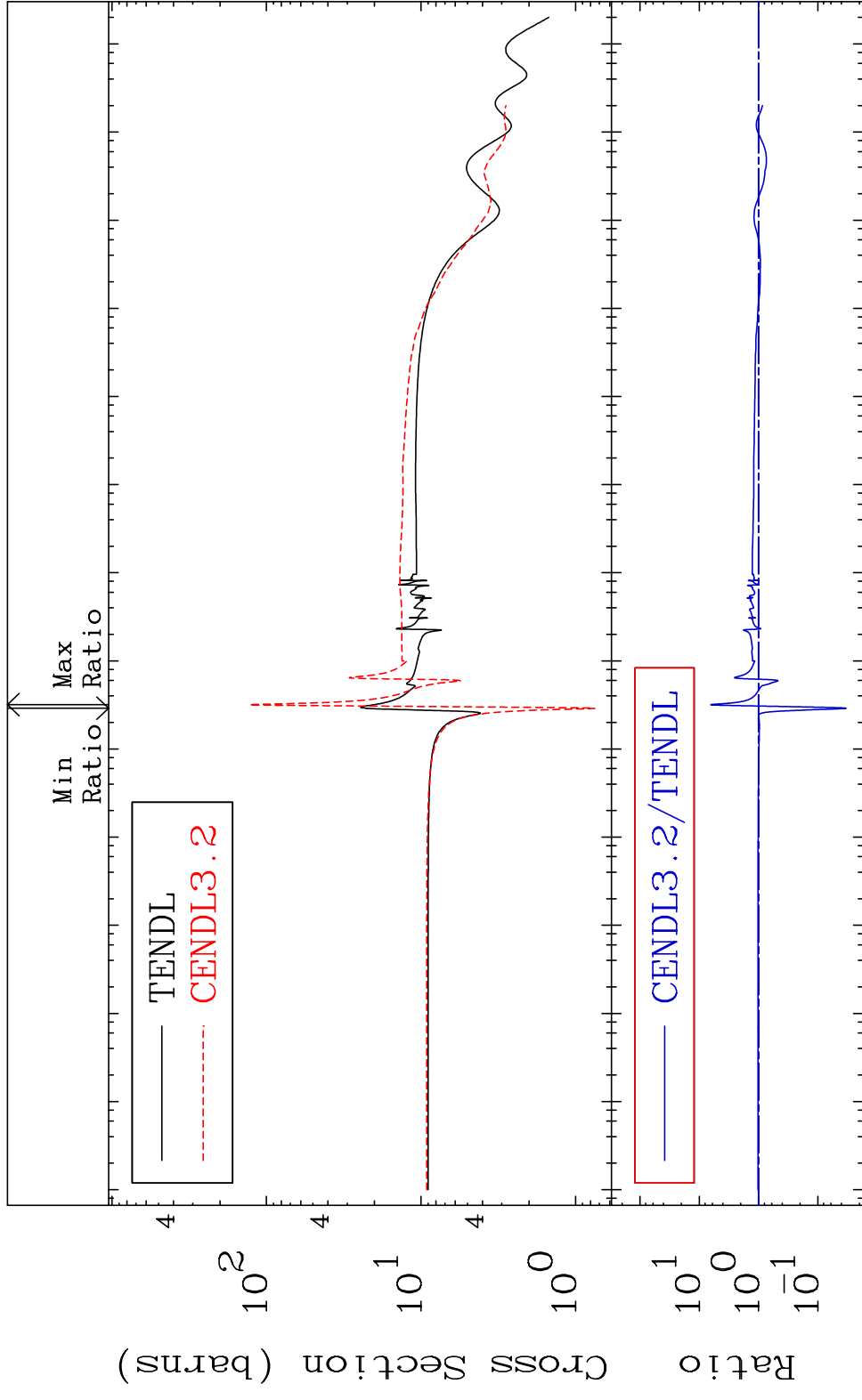
10⁸
10⁷
10⁶
10⁵
10⁴
10³
10²
10¹
10⁰
10⁻¹
10⁻²
10⁻³
10⁻⁴
10⁻⁵

1 Incident Energy (eV) 94-Pu-236

MAT 9428

Elastic Cross Section -96.68 To 540.7 %

94-Pu-236



2

Incident Energy (eV)

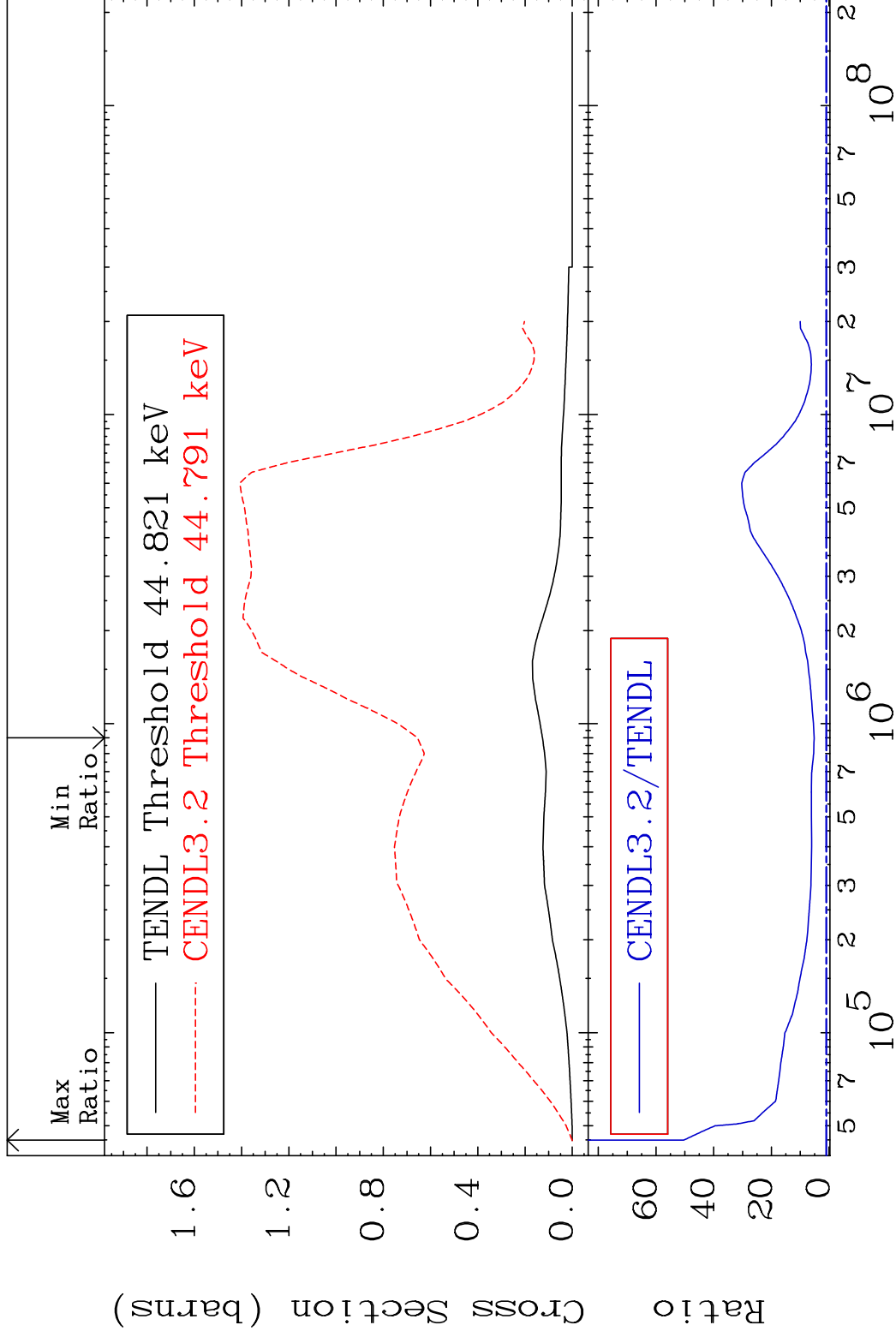
94-Pu-236

MAT 9428

Inelastic

94-Pu-236

Cross Section 418.8 To 4942. %

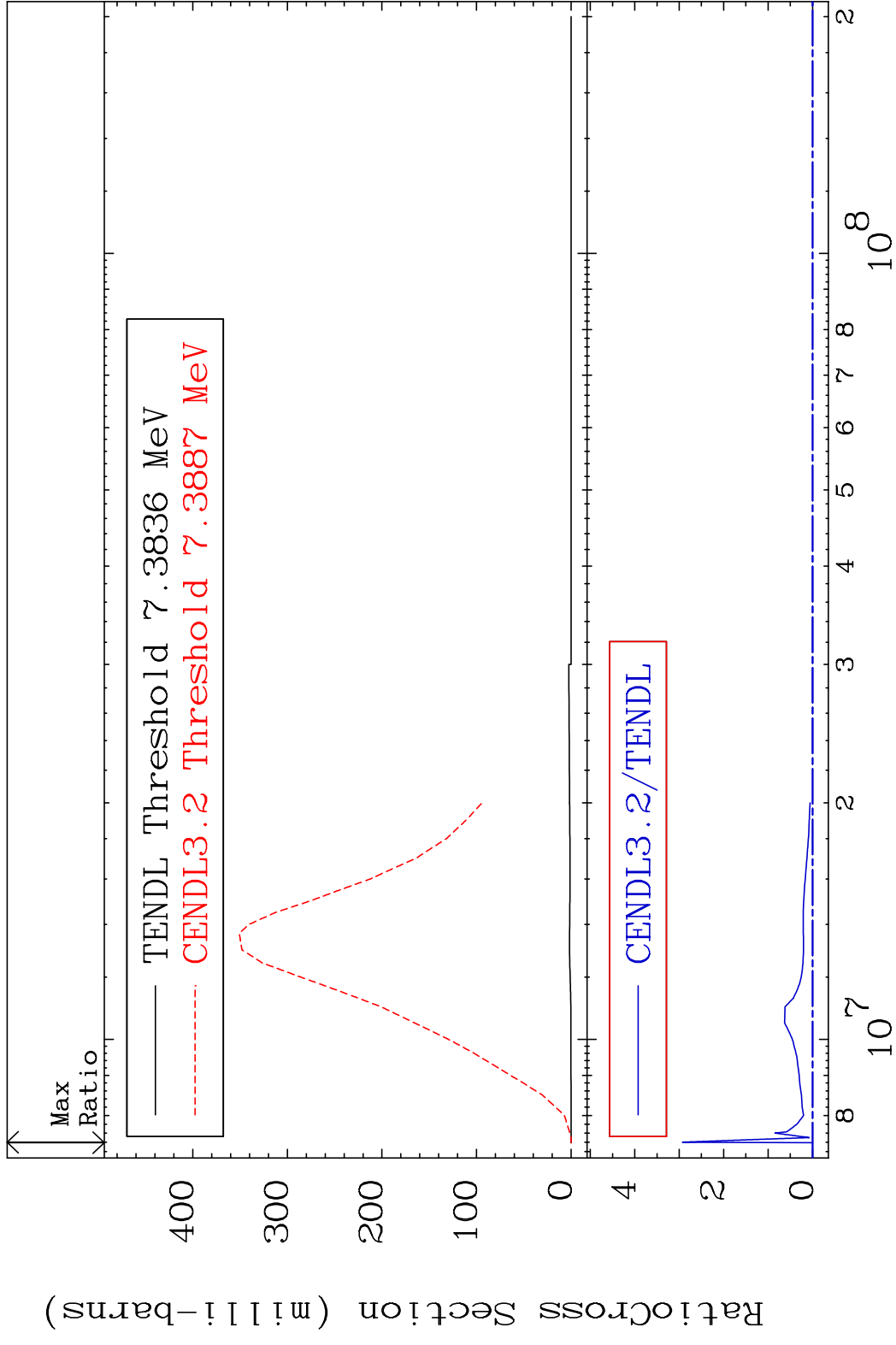


3

Incident Energy (eV)

94-Pu-236

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



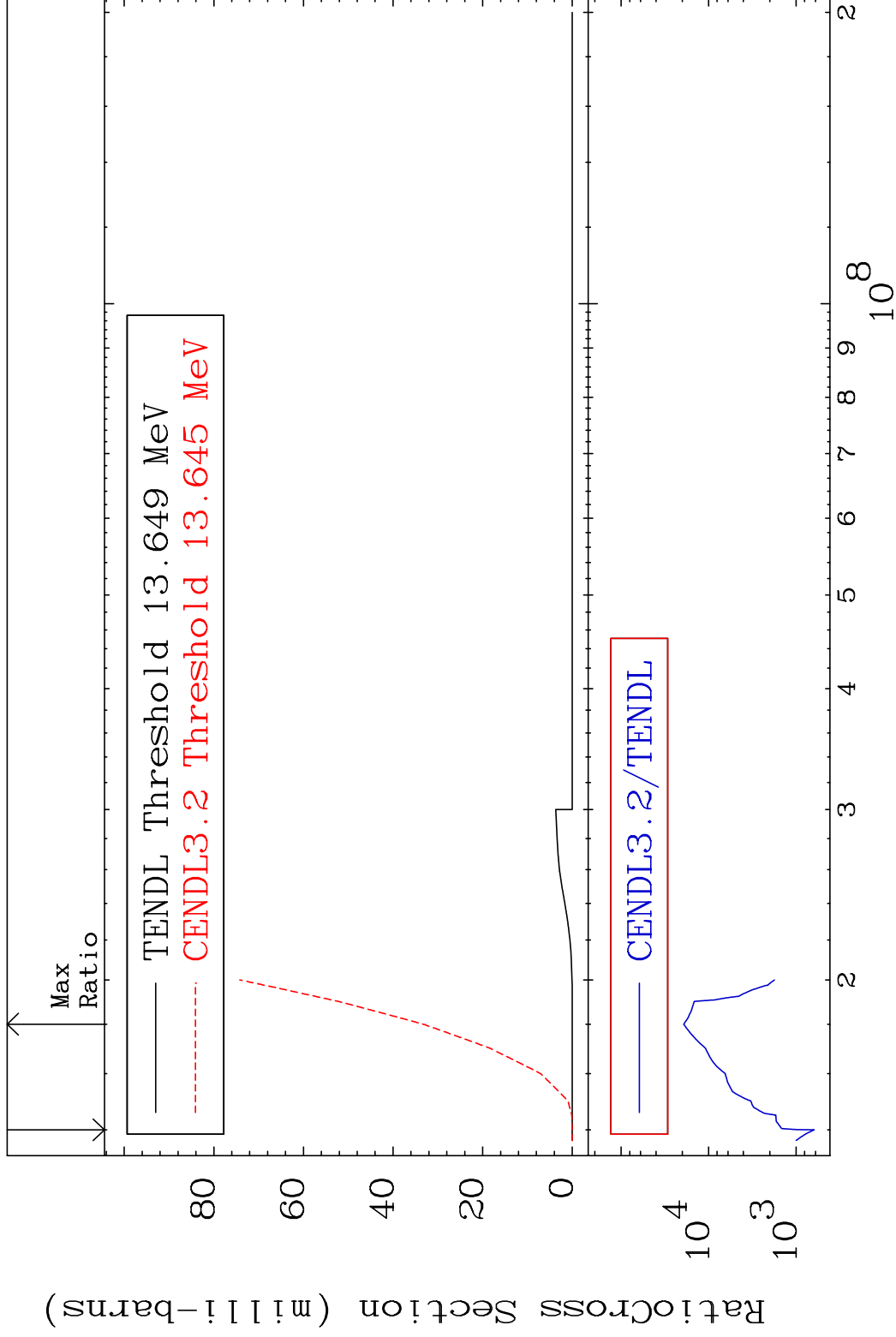
4 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 94-Pu-236

MAT 9428

(n,3n)

94-Pu-236

Cross Section 9999. To 9999. %



5

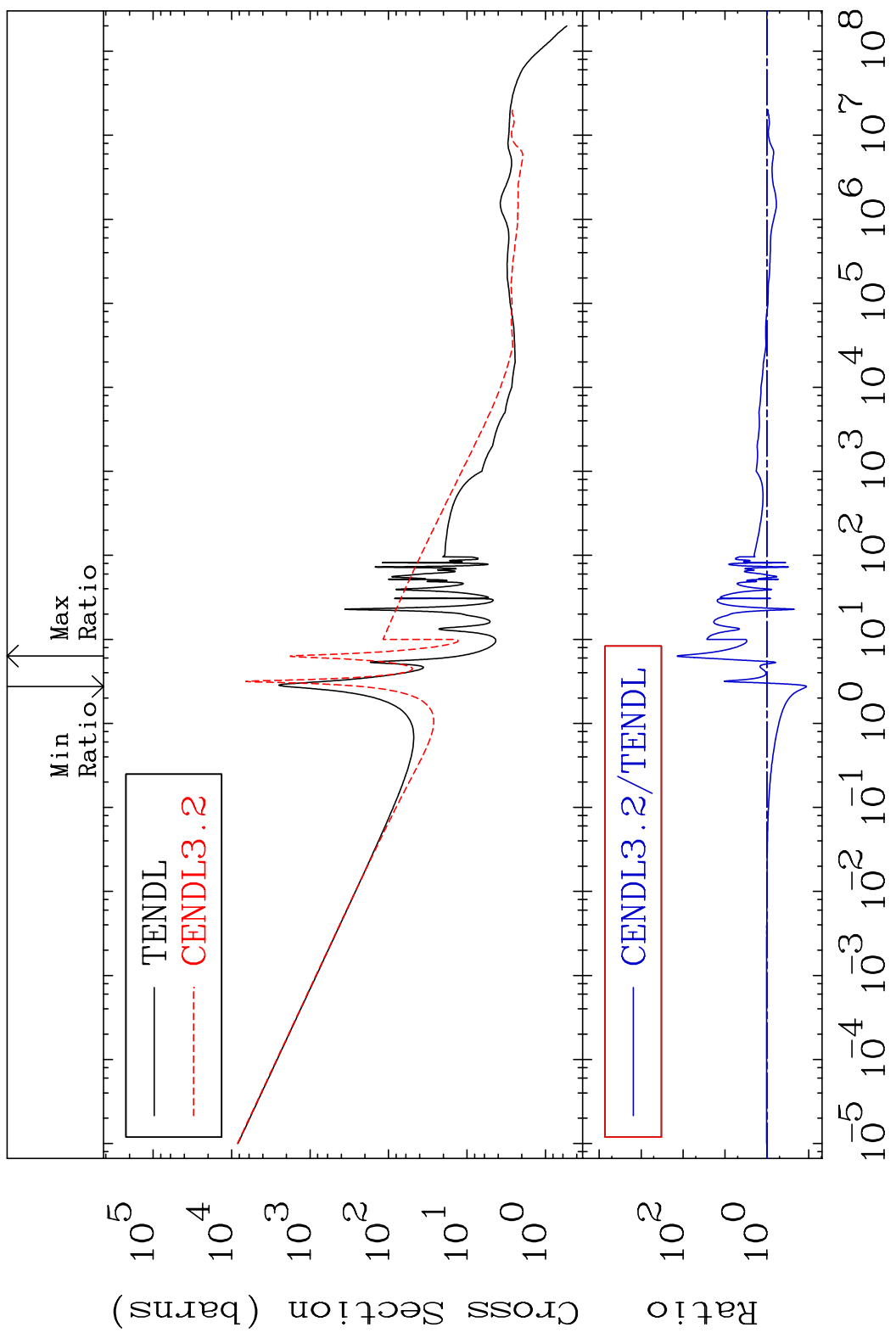
Incident Energy (eV)

94-Pu-236

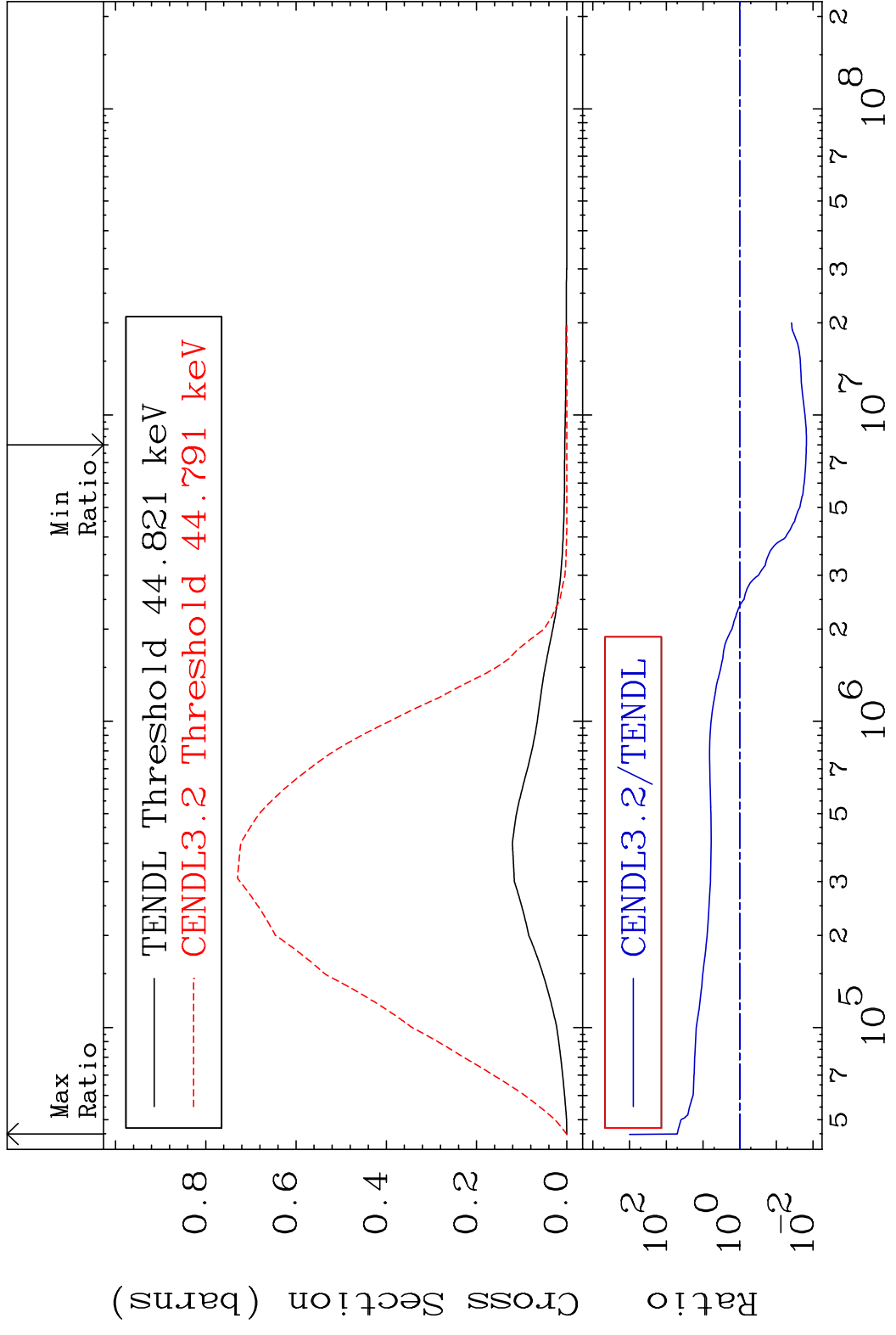
MAT 9428

Fission Cross Section -88.58 To 9999. %

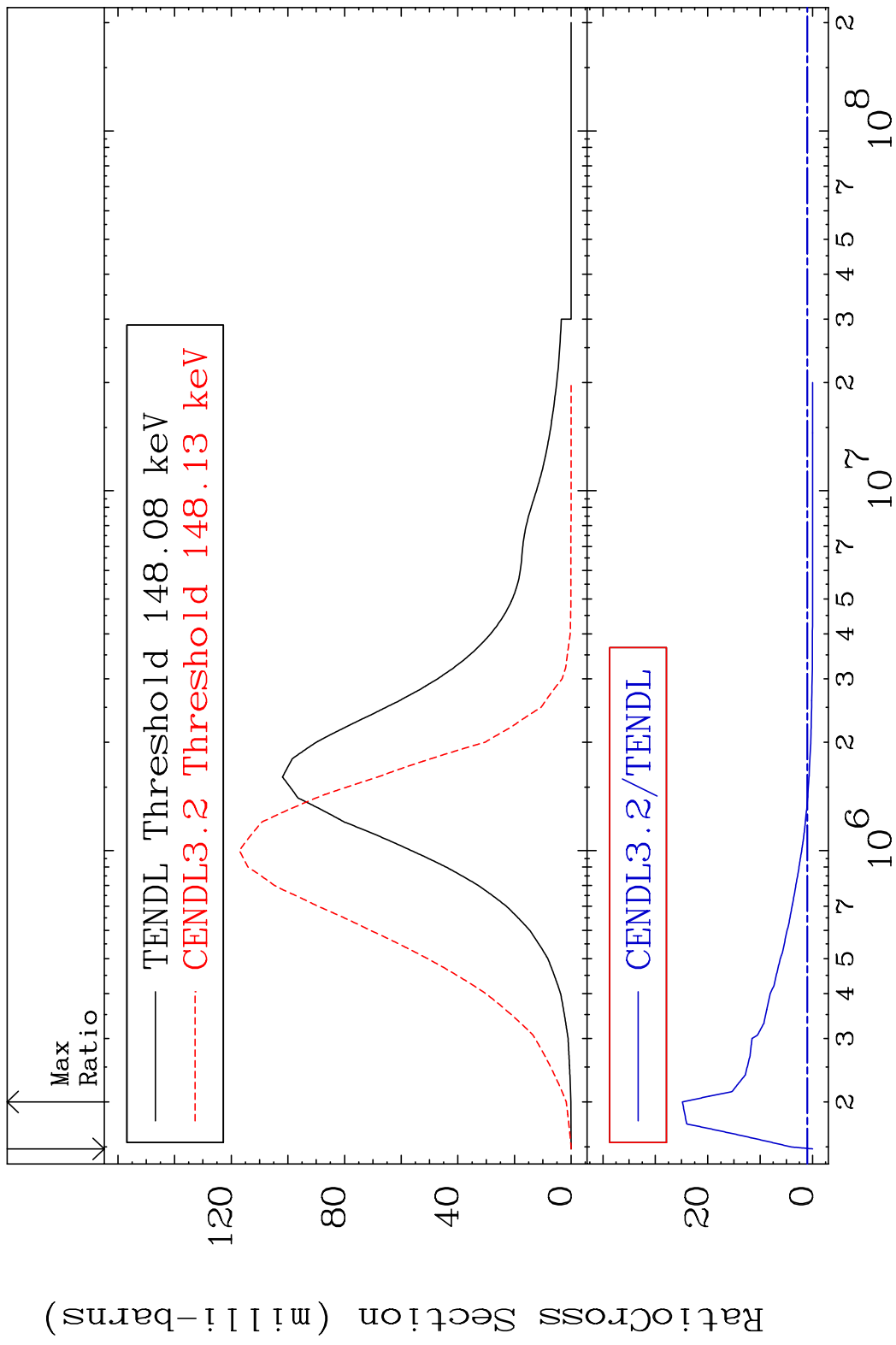
94-Pu-236



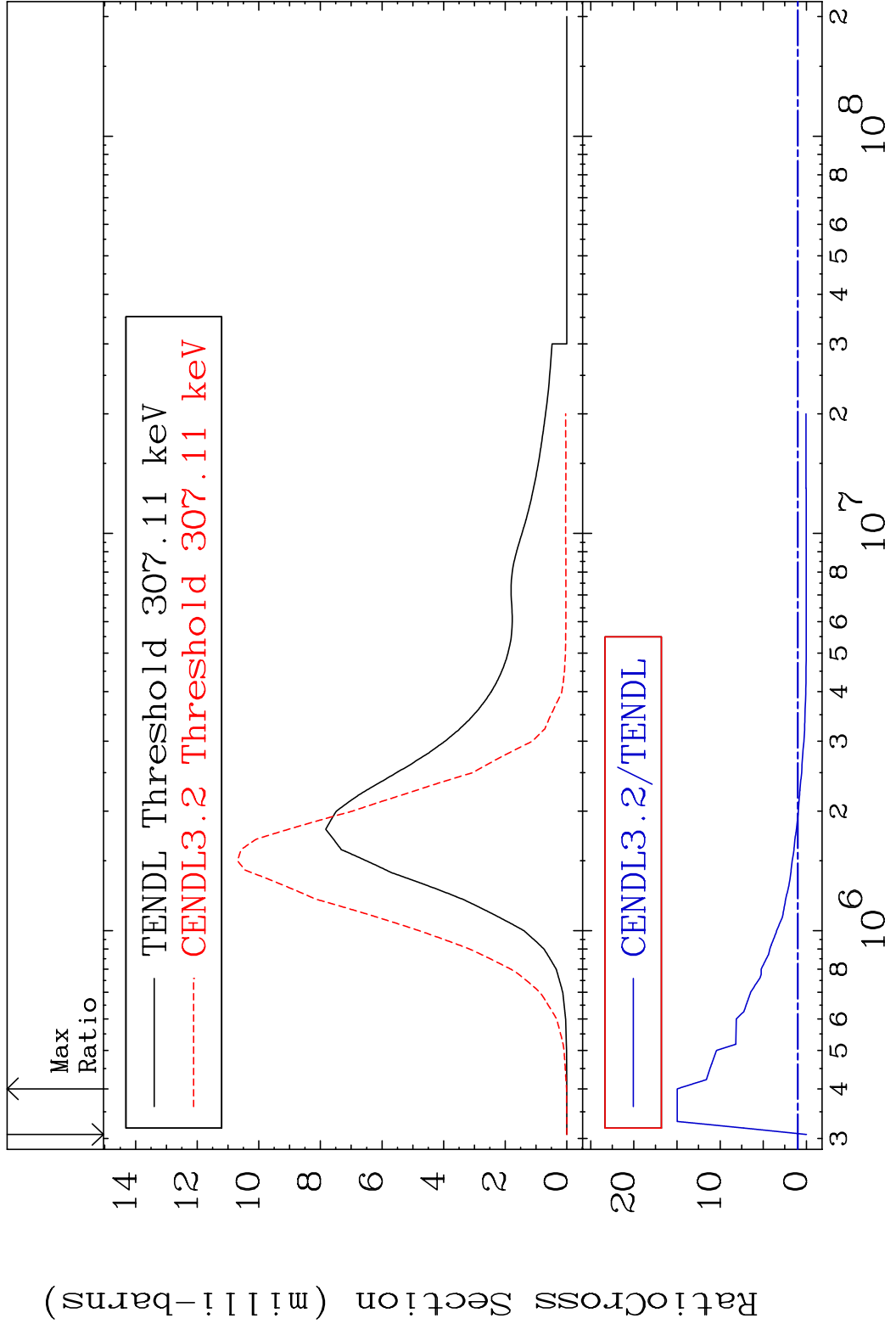
MAT 9428 MT= 51 (n, n') Level 94-Pu-236
 Cross Section -98.48 To 4942. %



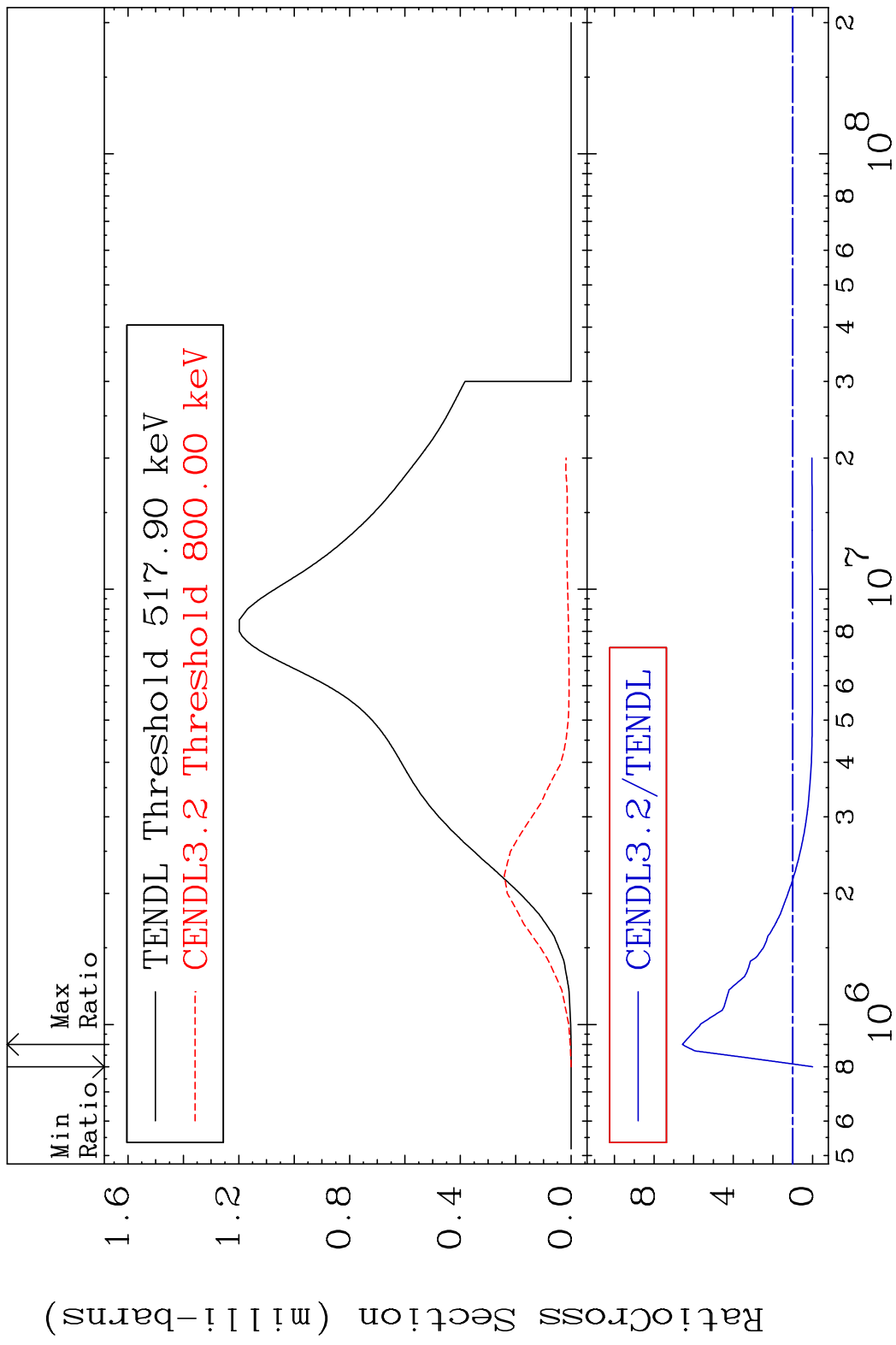
MAT 9428 MT= 52 (n, n') Level 94-Pu-236
 Cross Section -100.0 To 2384. %



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

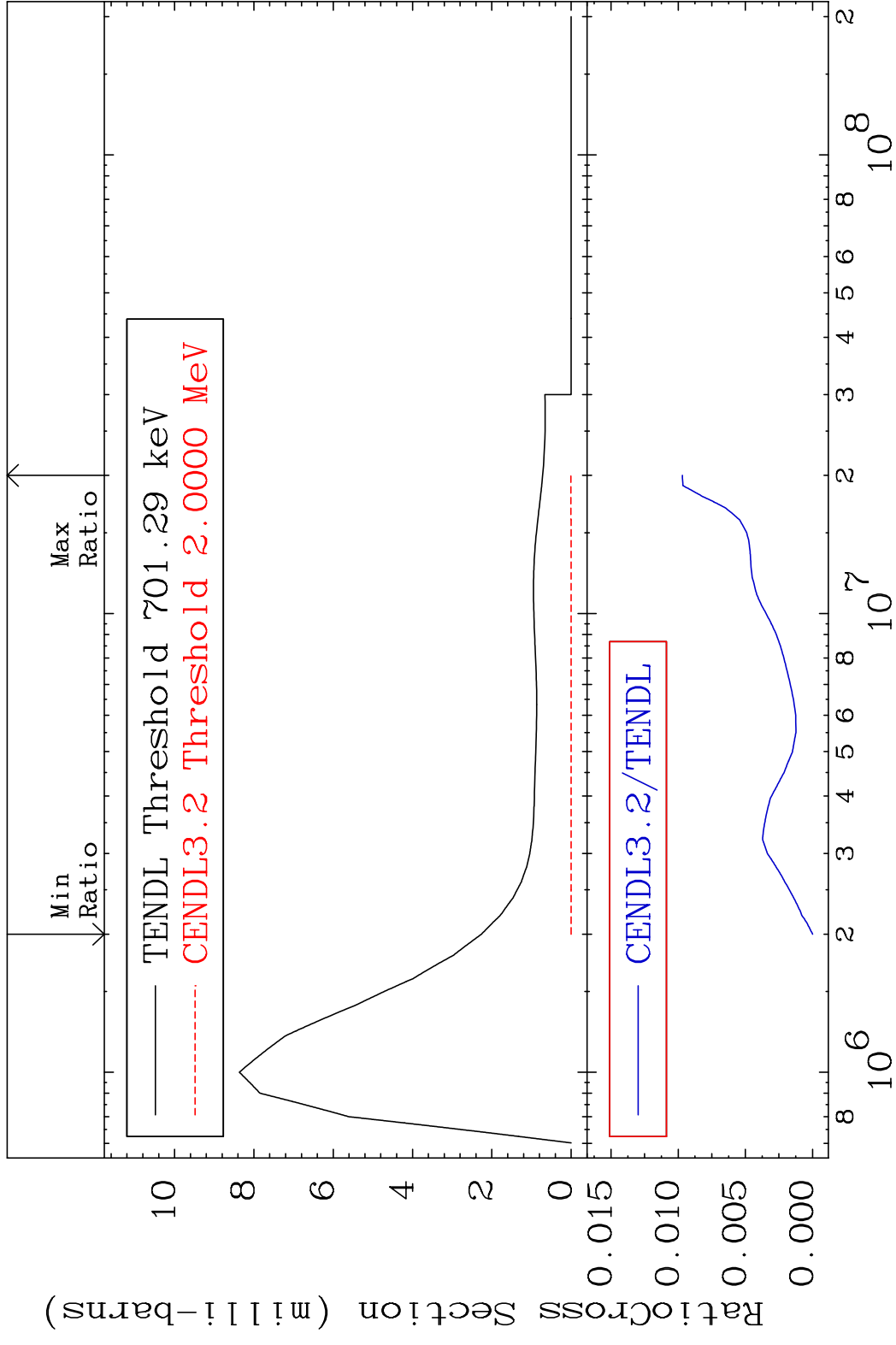


MAT 9428 MT= 54 (n, n') Level 94-Pu-236
 Cross Section -100.0 To 556.9 %

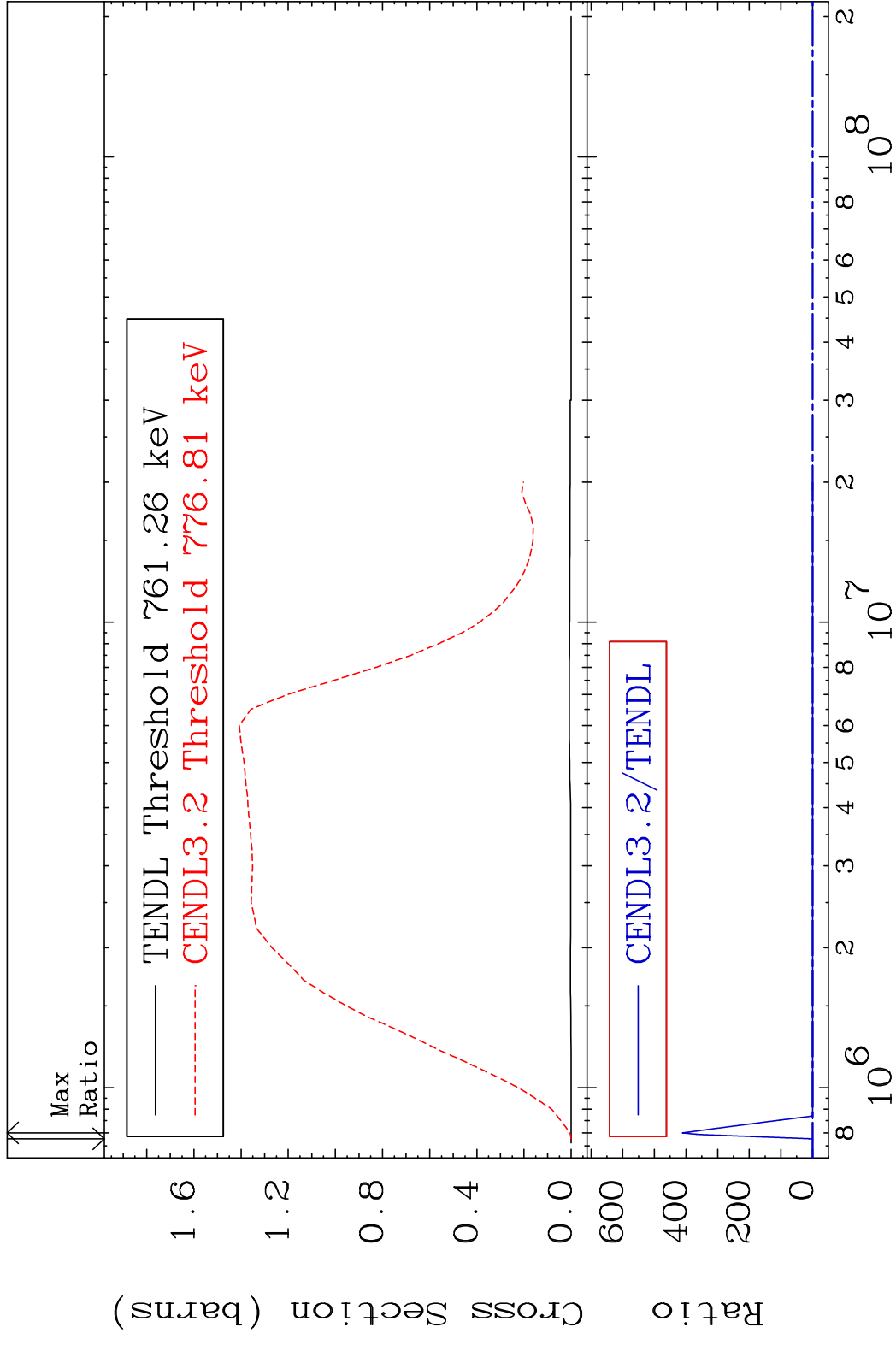


10 Incident Energy (eV) 94-Pu-236

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. %



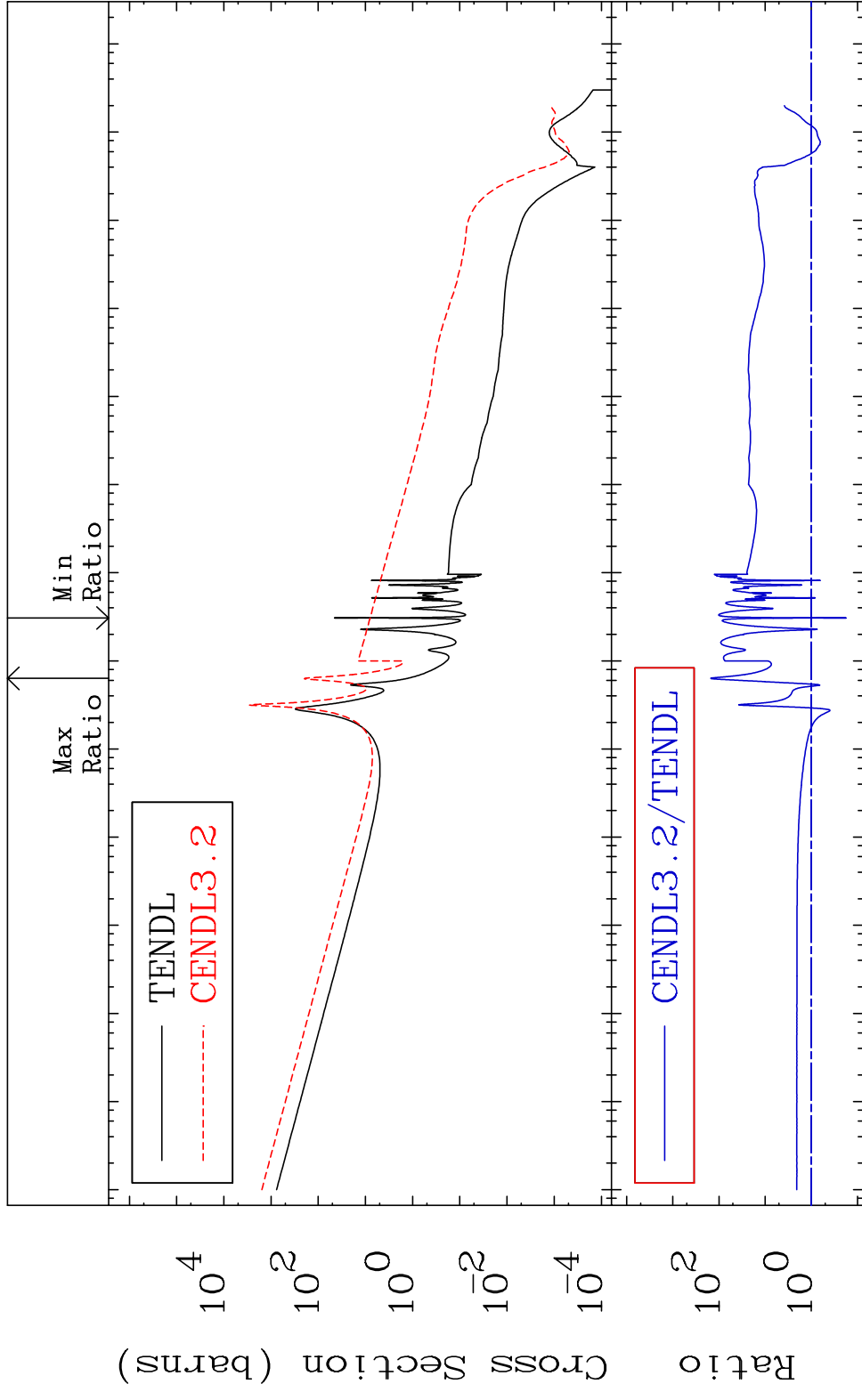
12 Incident Energy (eV) 94-Pu-236

MAT 9428

94-Pu-236

(n, γ)

Cross Section -82.59 To 9999. %

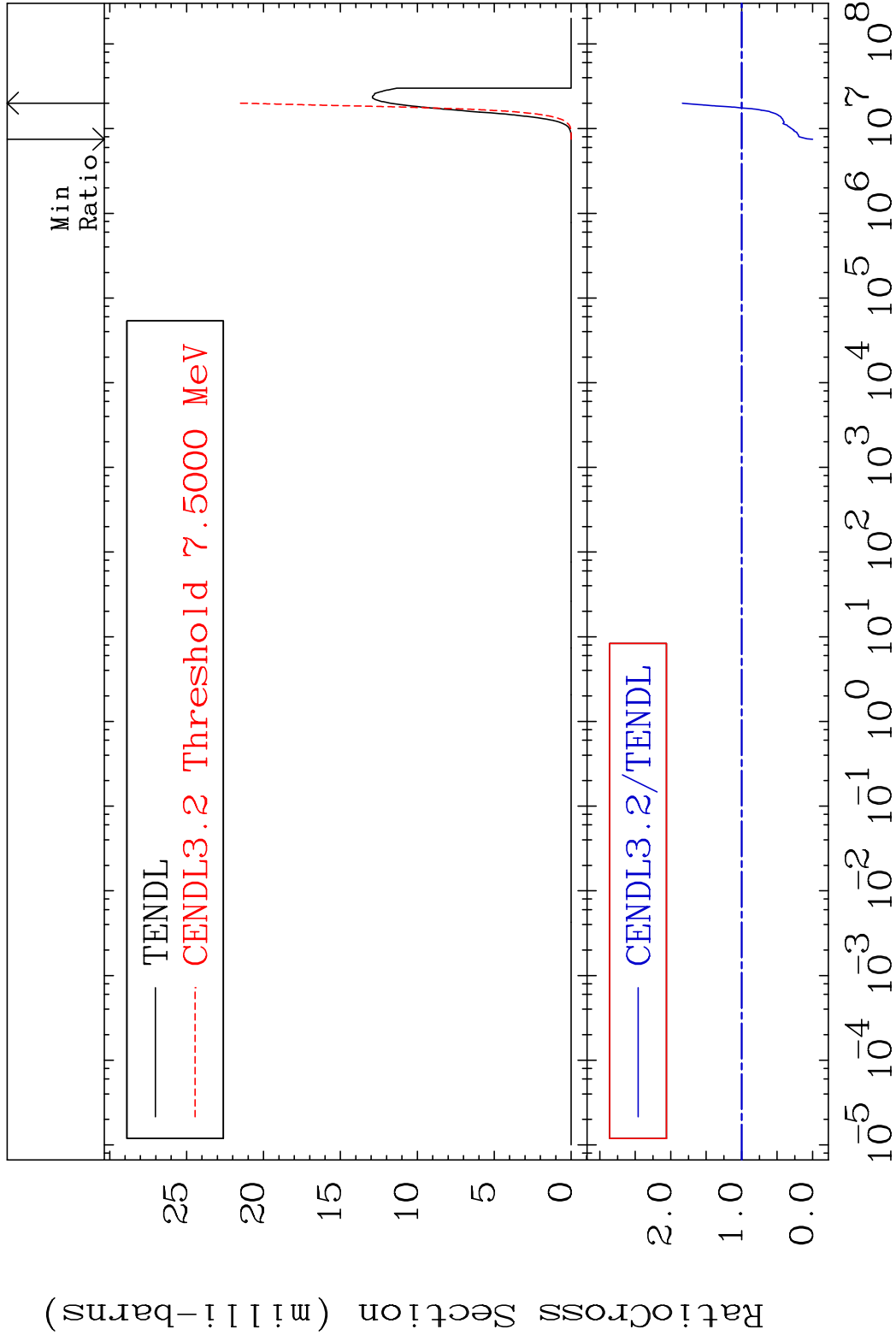


MAT 9428

(n, p)

94-Pu-236

Cross Section -100.0 To 83.59 %



14

Incident Energy (eV)

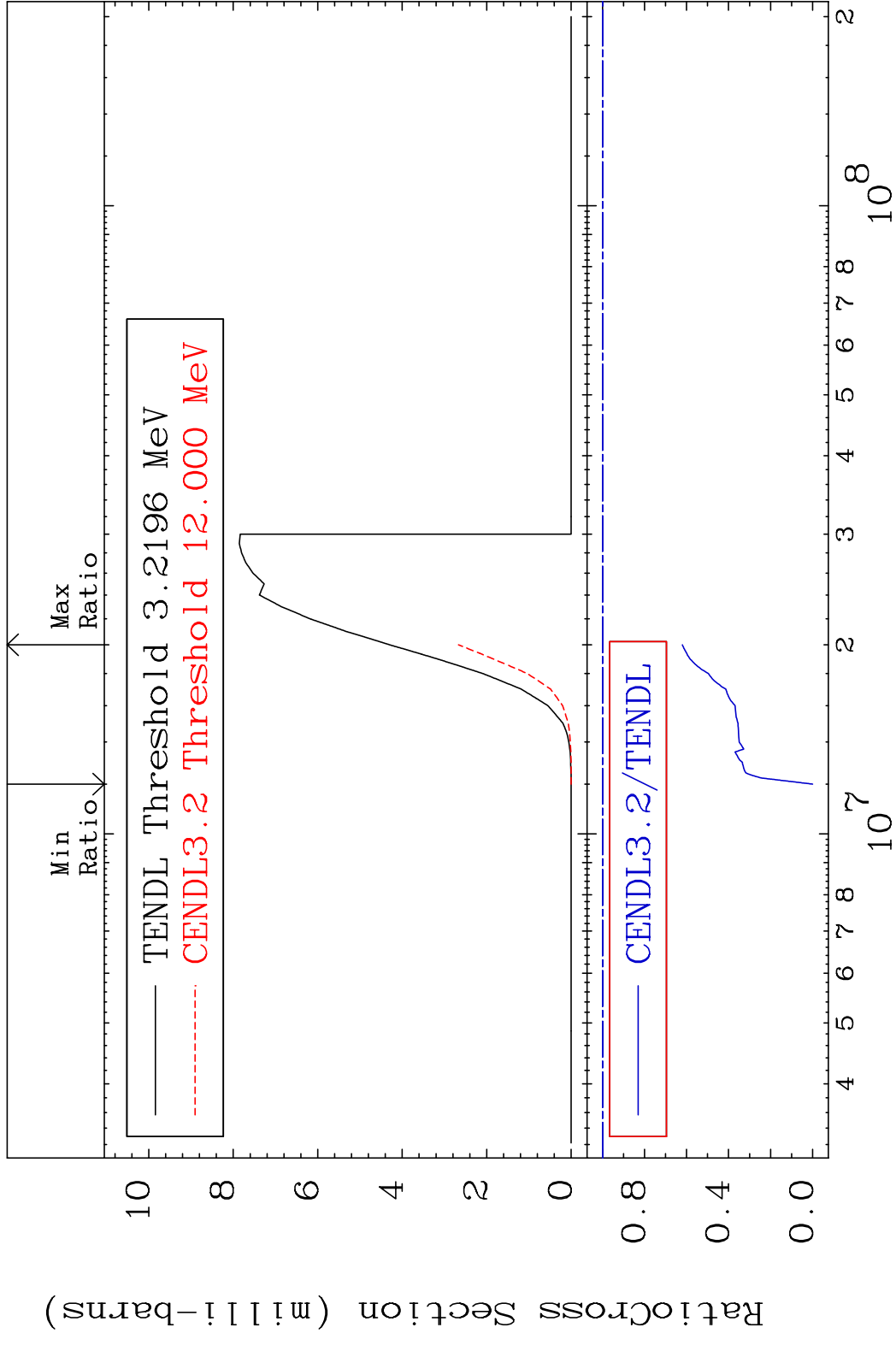
94-Pu-236

MAT 9428

94-Pu-236

(n,d)

Cross Section -100.0 To -38.00%



15

Incident Energy (eV)

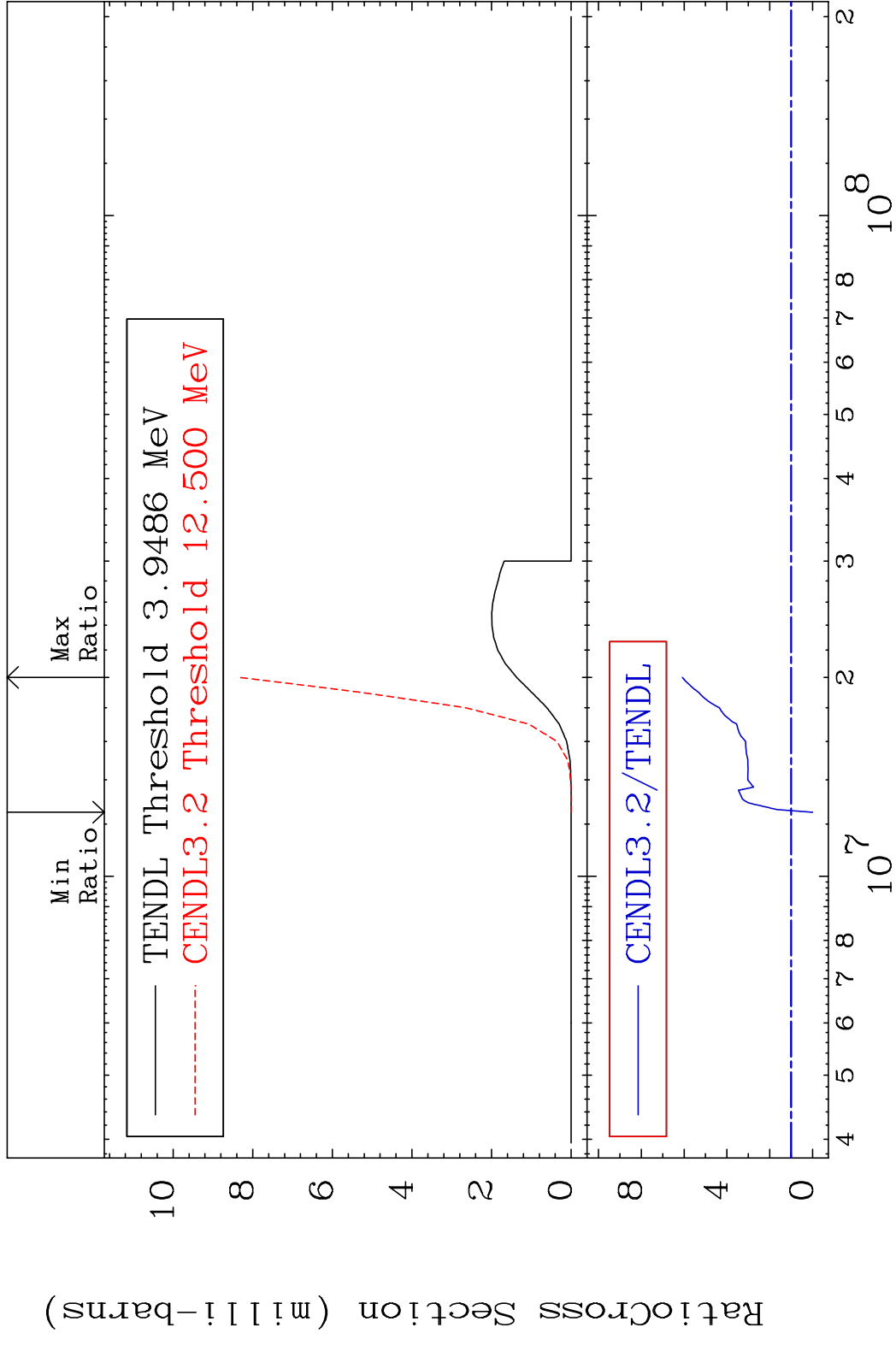
94-Pu-236

MAT 9428

94-Pu-236

(n, t)

Cross Section -100.0 To 508.2 %

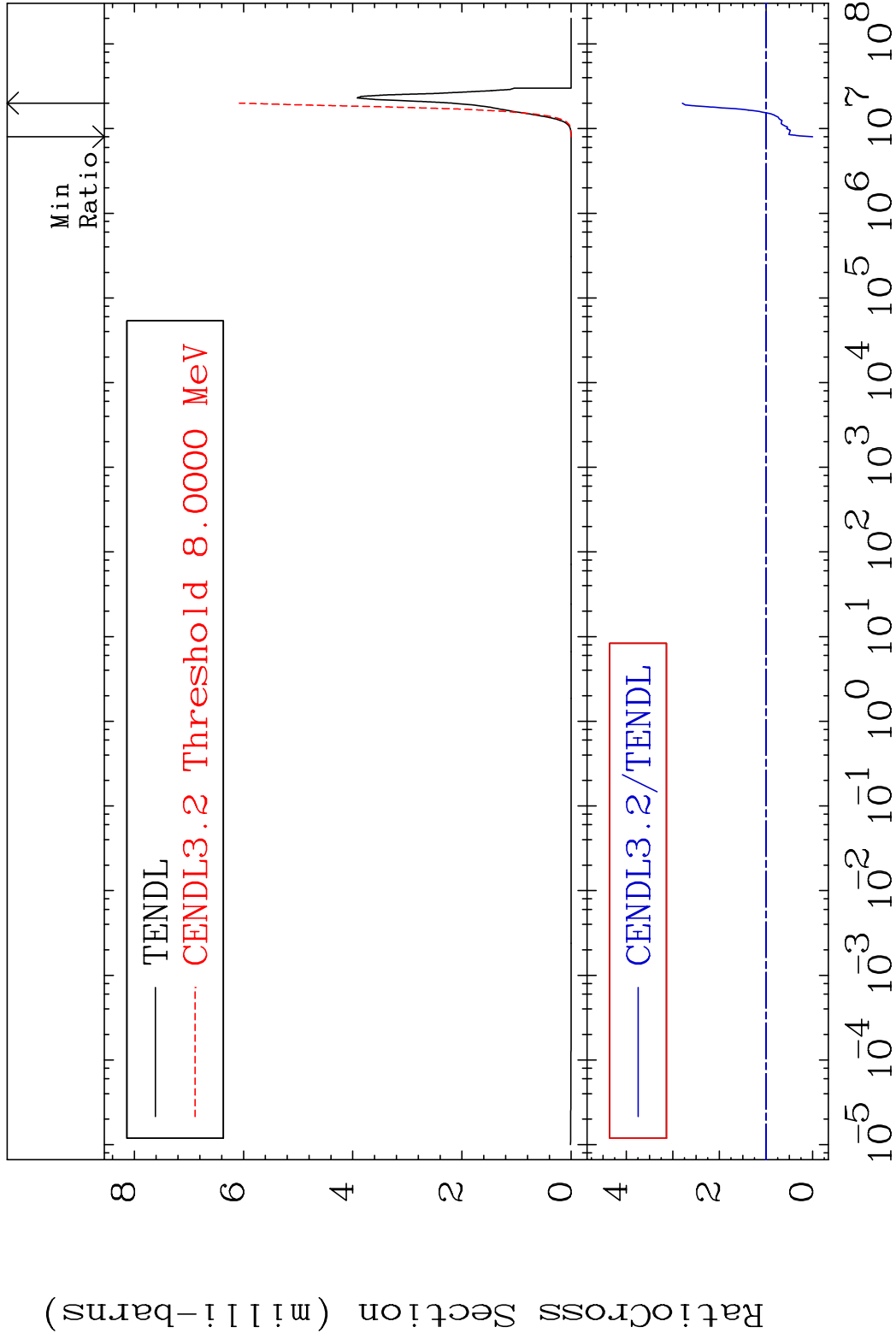


MAT 9428

(n, α)

94-Pu-236

Cross Section -100.0 To 179.6 %

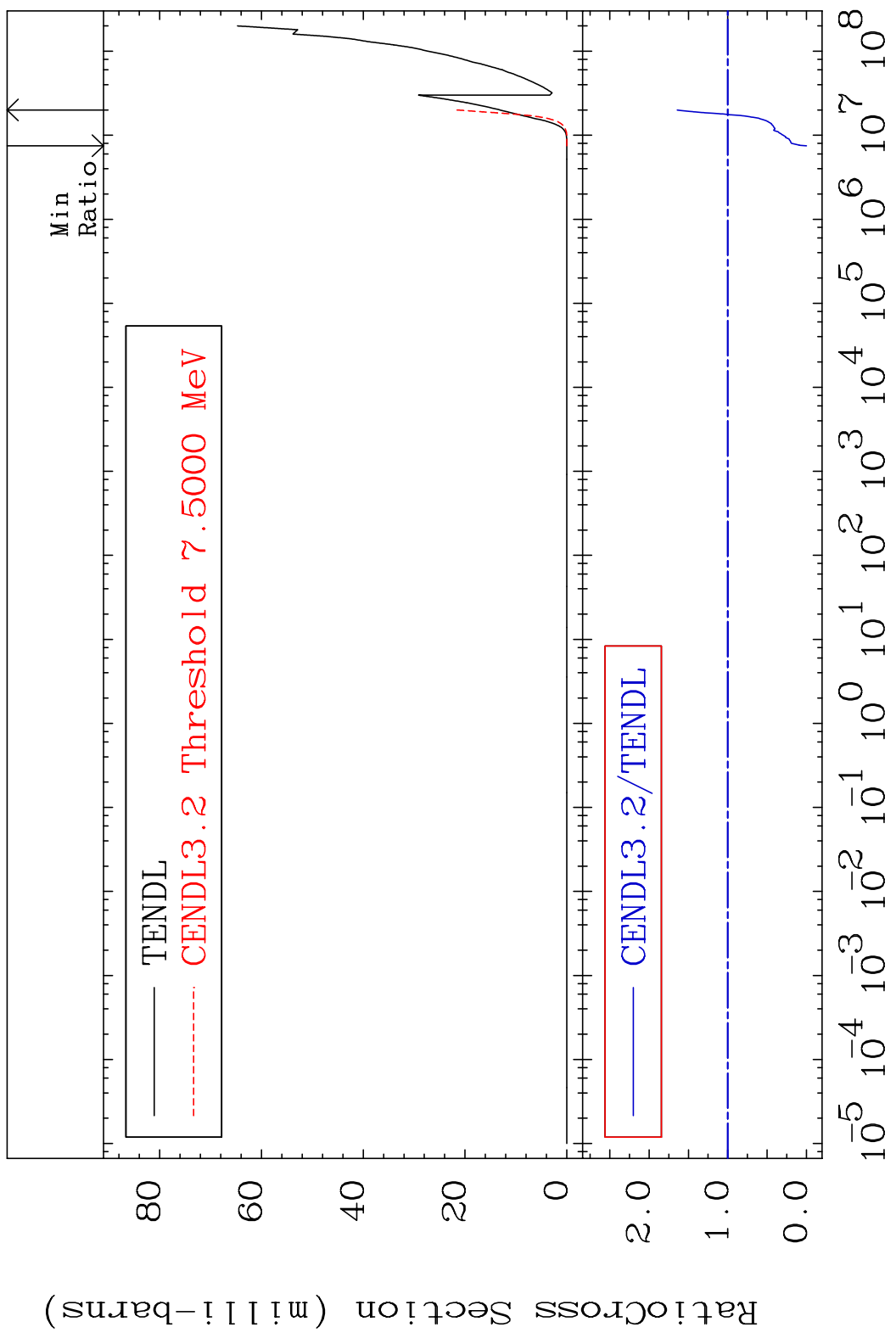


MAT 9428

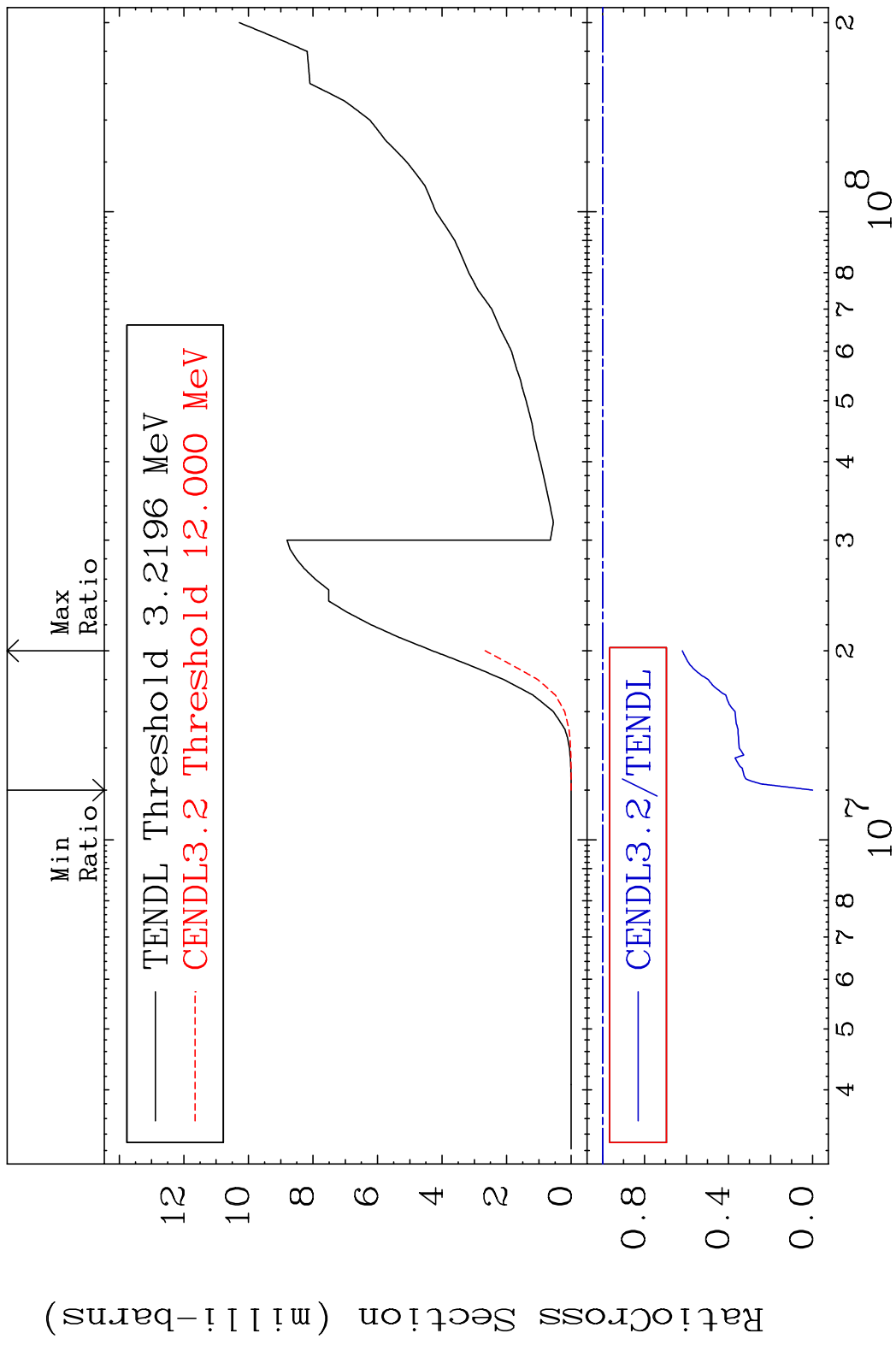
Hydrogen Production

94-Pu-236

Cross Section -100.0 To 64.33 %

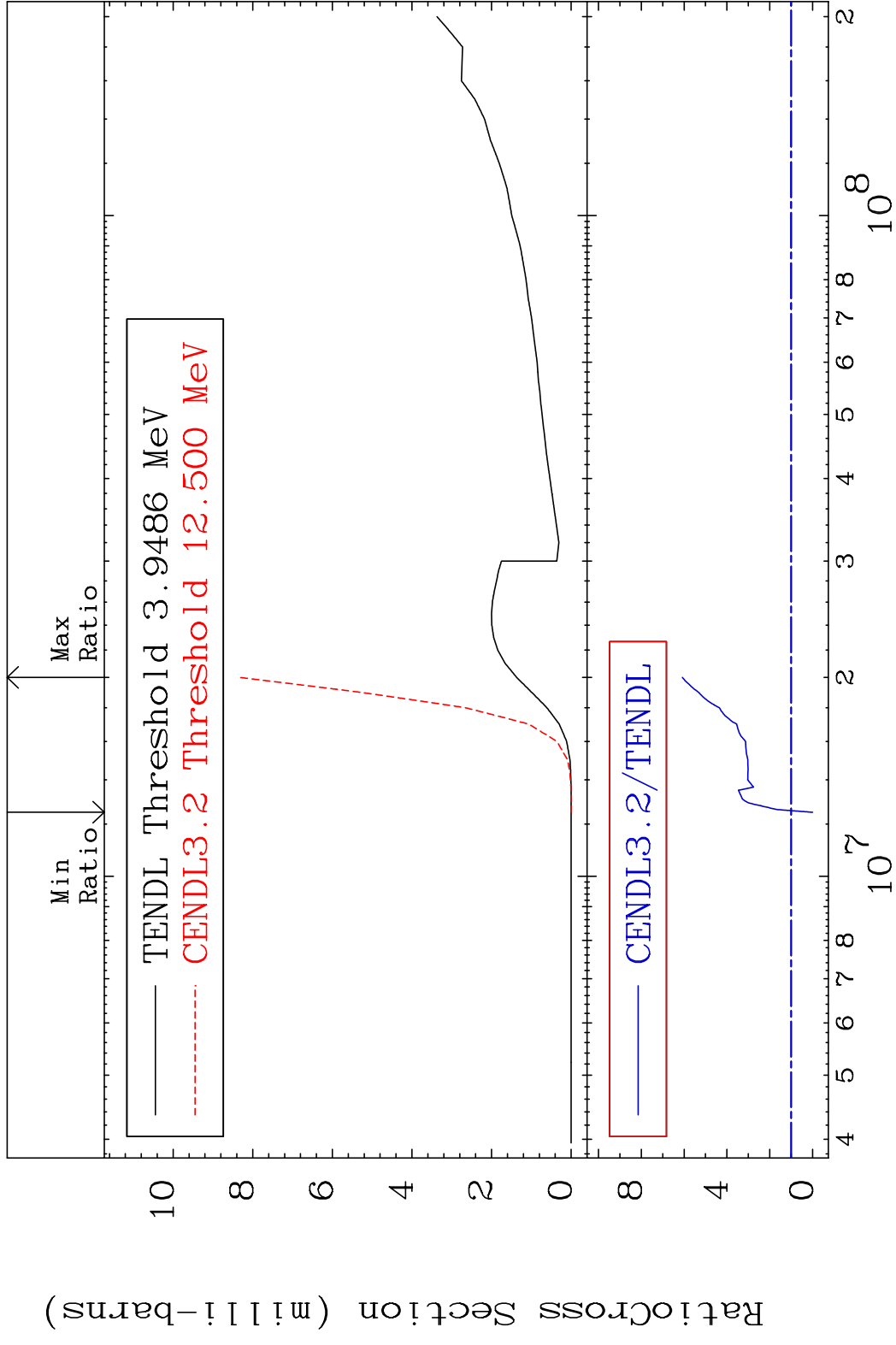


MAT 9428 Deuterium Production 94-Pu-236
 Cross Section -100.0 To -38.02%



MAT 9428

Tritium Production 94-Pu-236
Cross Section -100.0 To 508.2 %



20

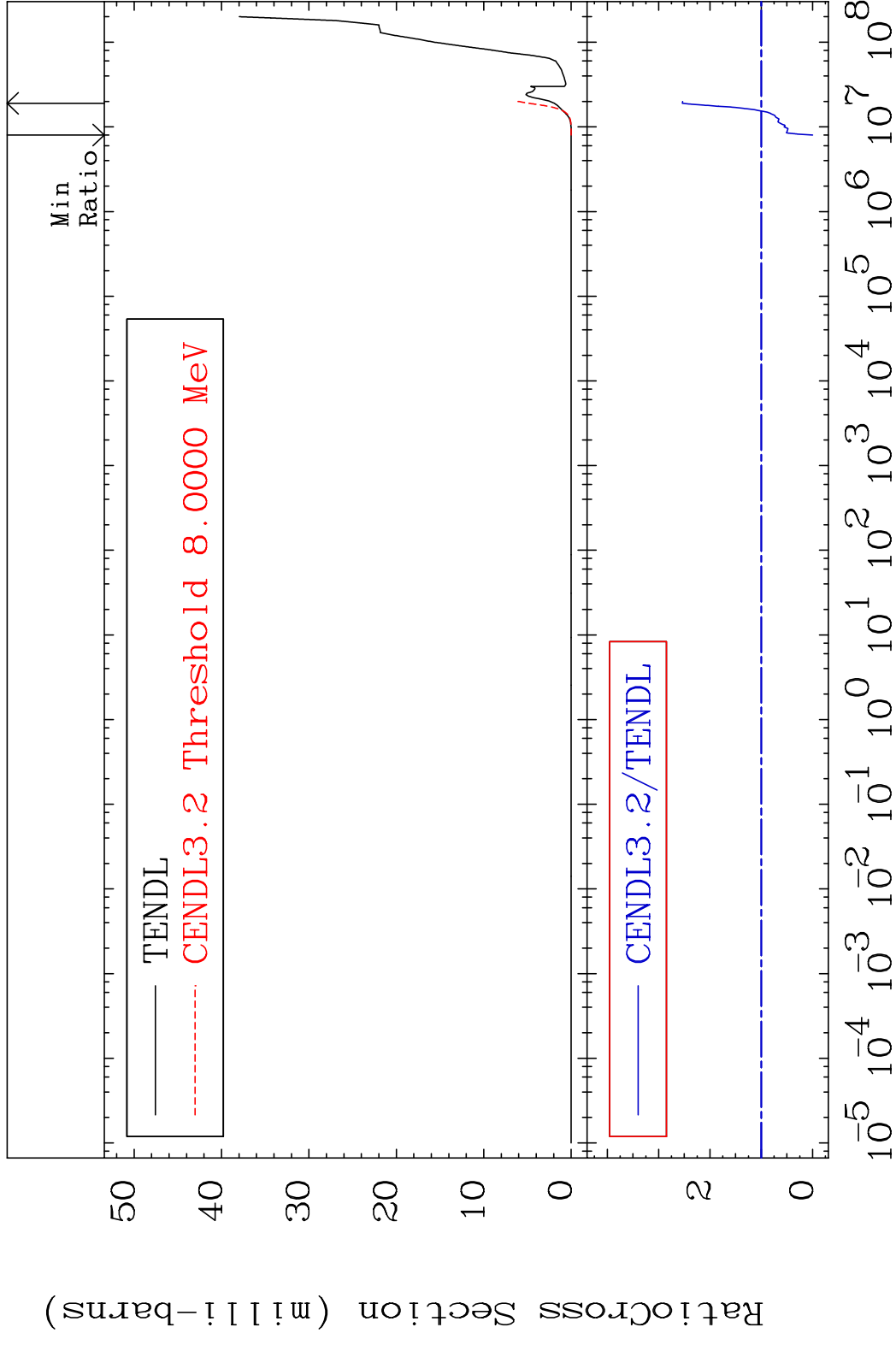
Incident Energy (eV) 94-Pu-236

MAT 9428

He-4 Production

94-Pu-236

Cross Section -100.0 To 153.7 %



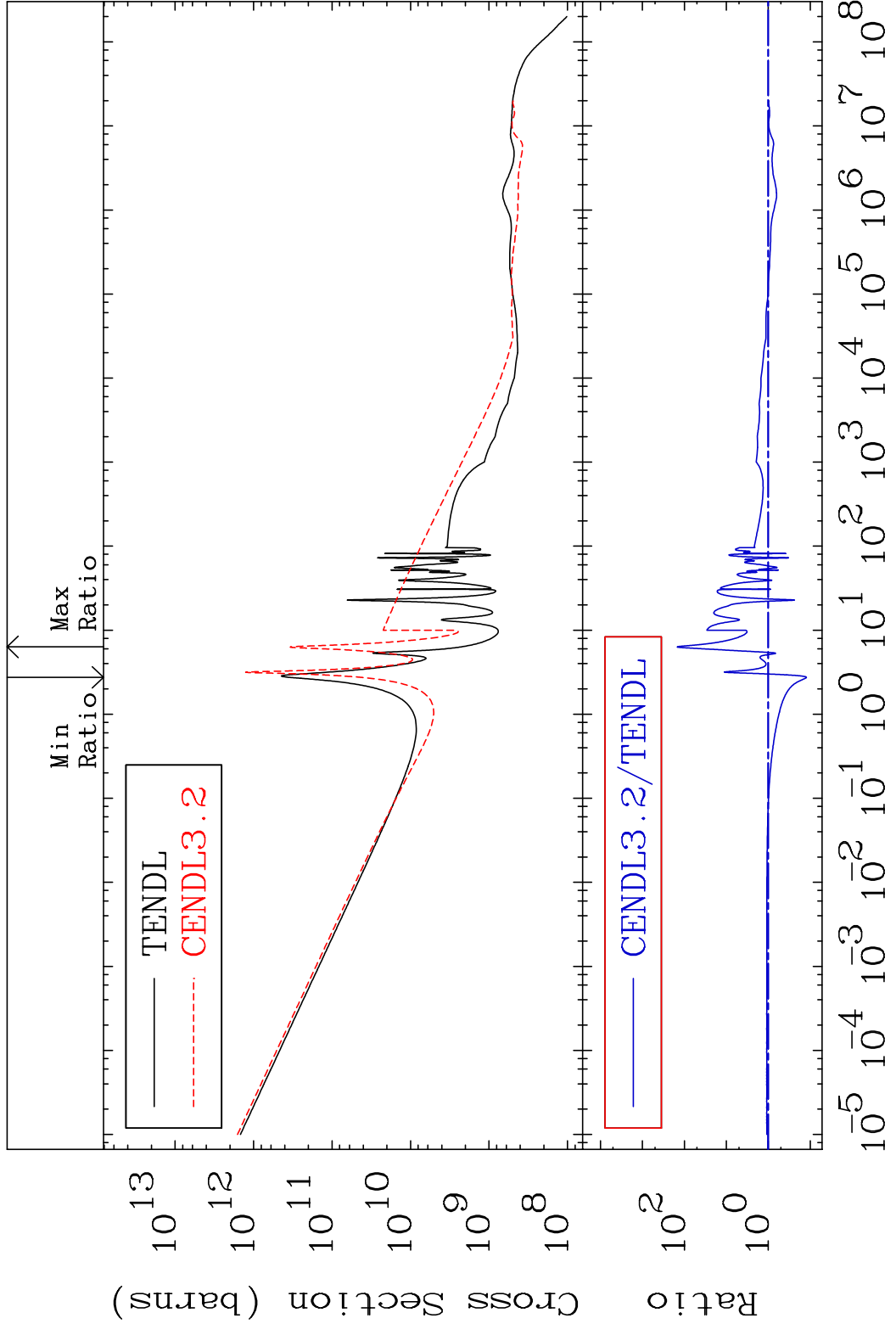
21

Incident Energy (eV)

94-Pu-236

MAT 9428

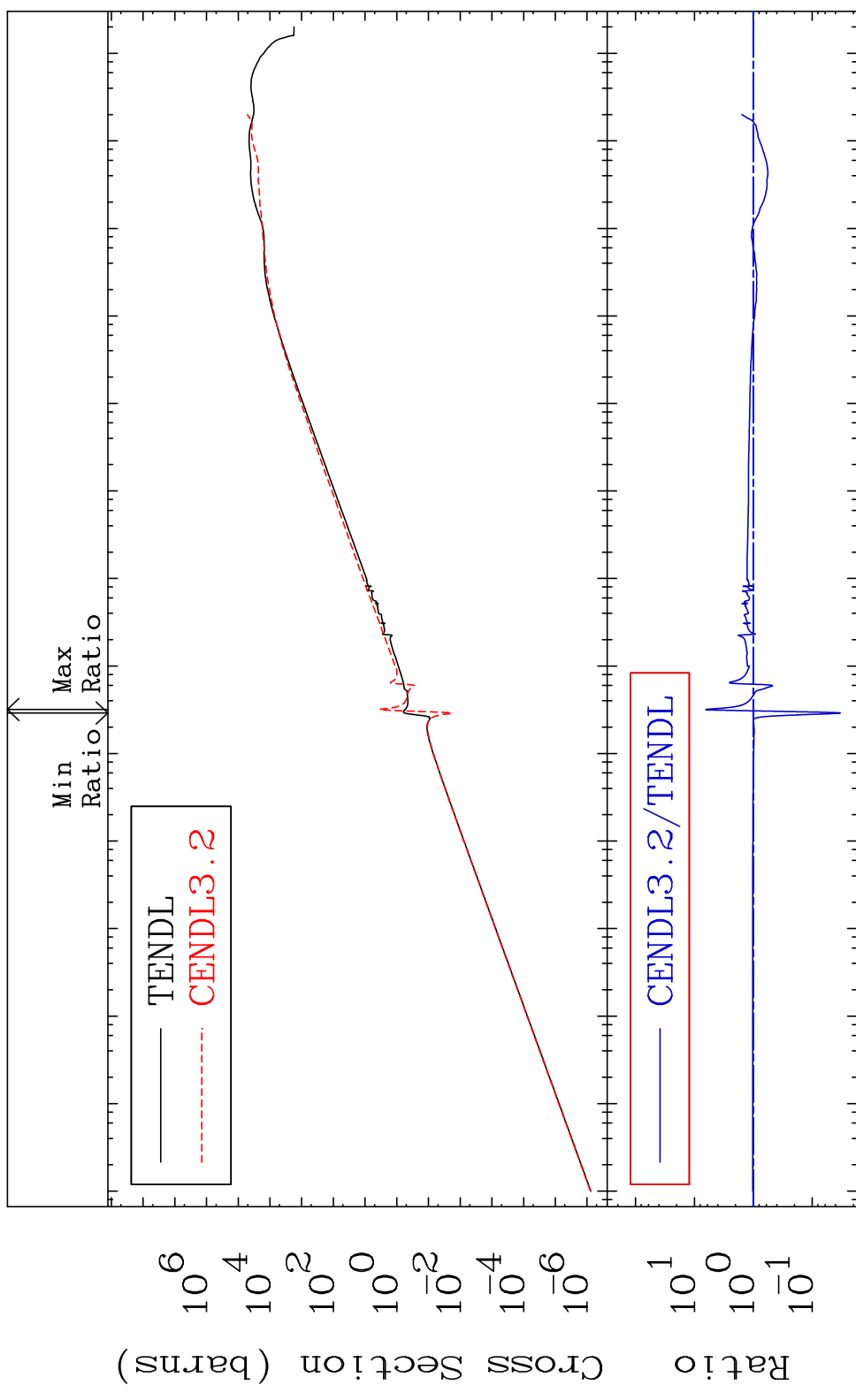
Kerma total (eV-barns) 94-Pu-236
Cross Section -87.63 To 9999. %



MAT 9428

Kerma elastic
Cross Section -96.68 To 540.7 %

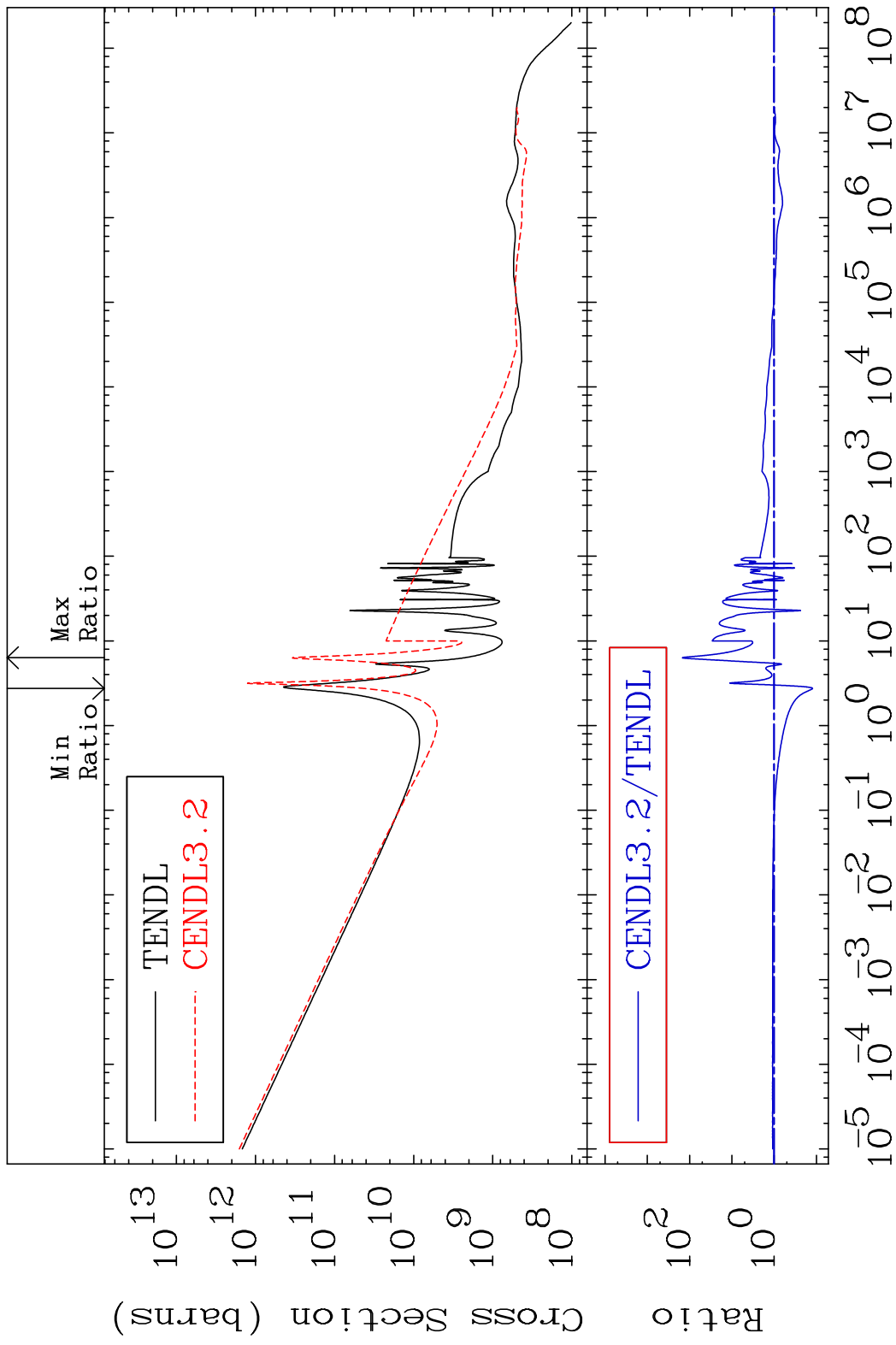
94-Pu-236



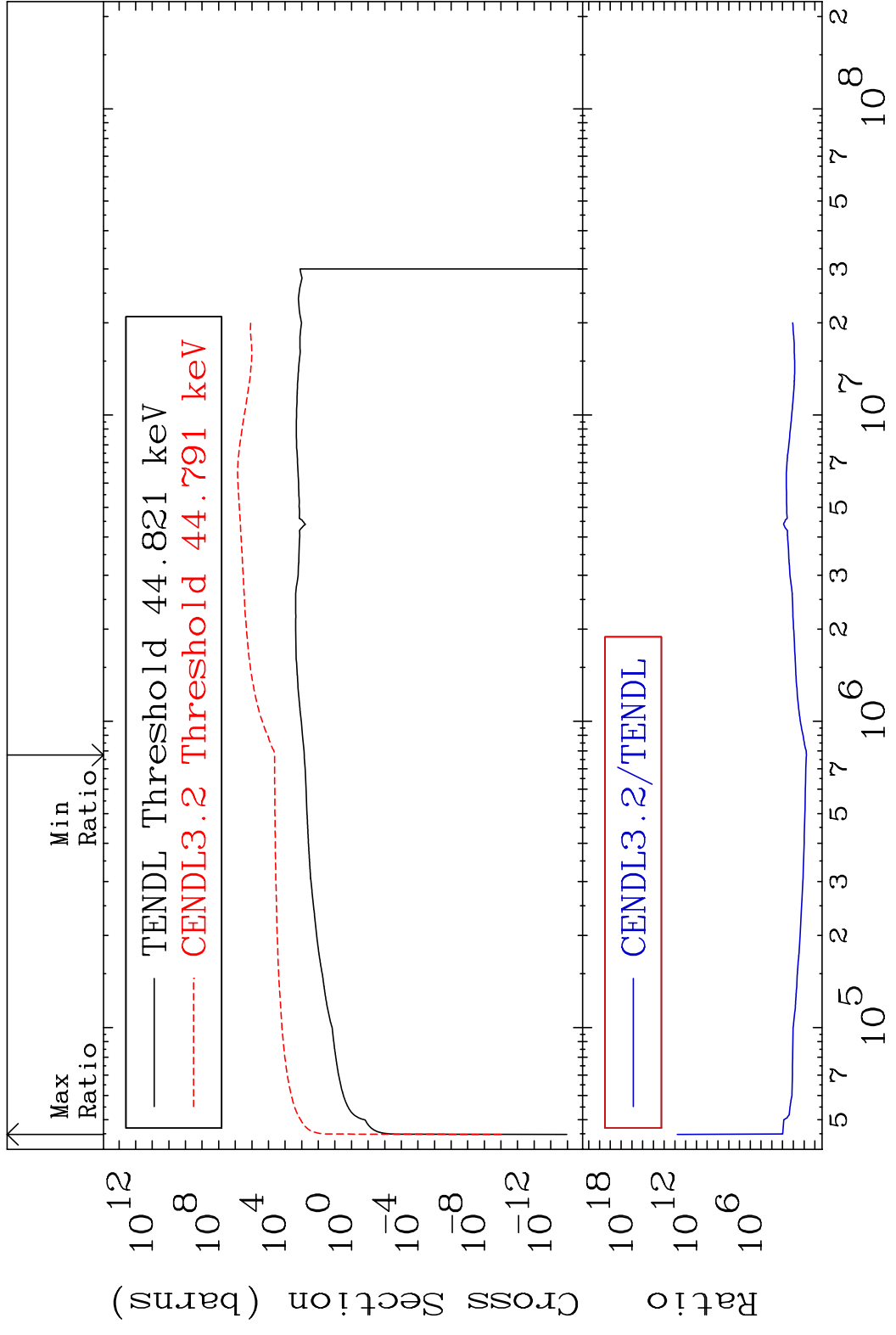
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Incident Energy (eV)

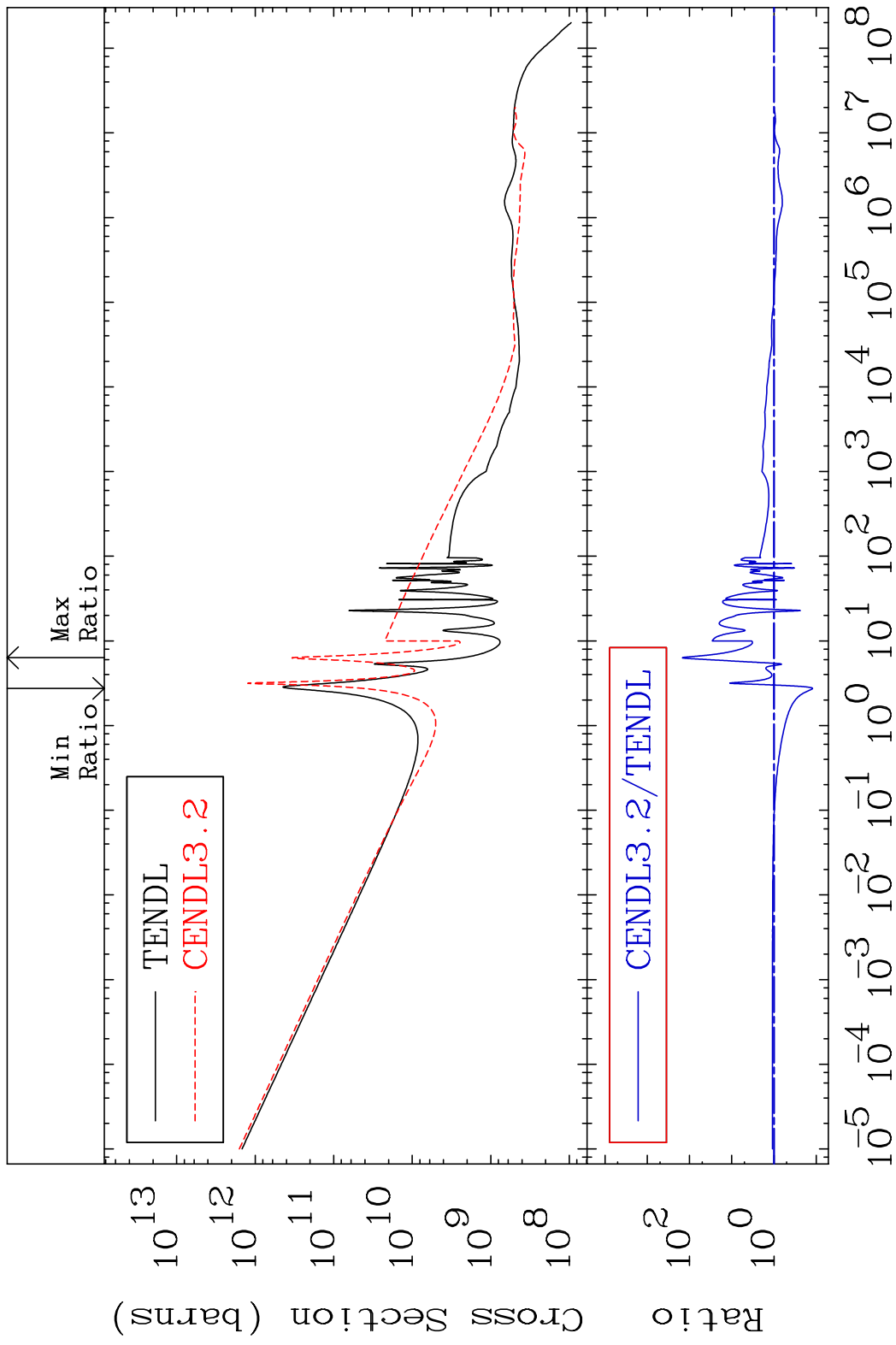
MAT 9428 Kerma non-elastic (all but mt2) 94-Pu-236
 Cross Section -87.63 To 9999. %

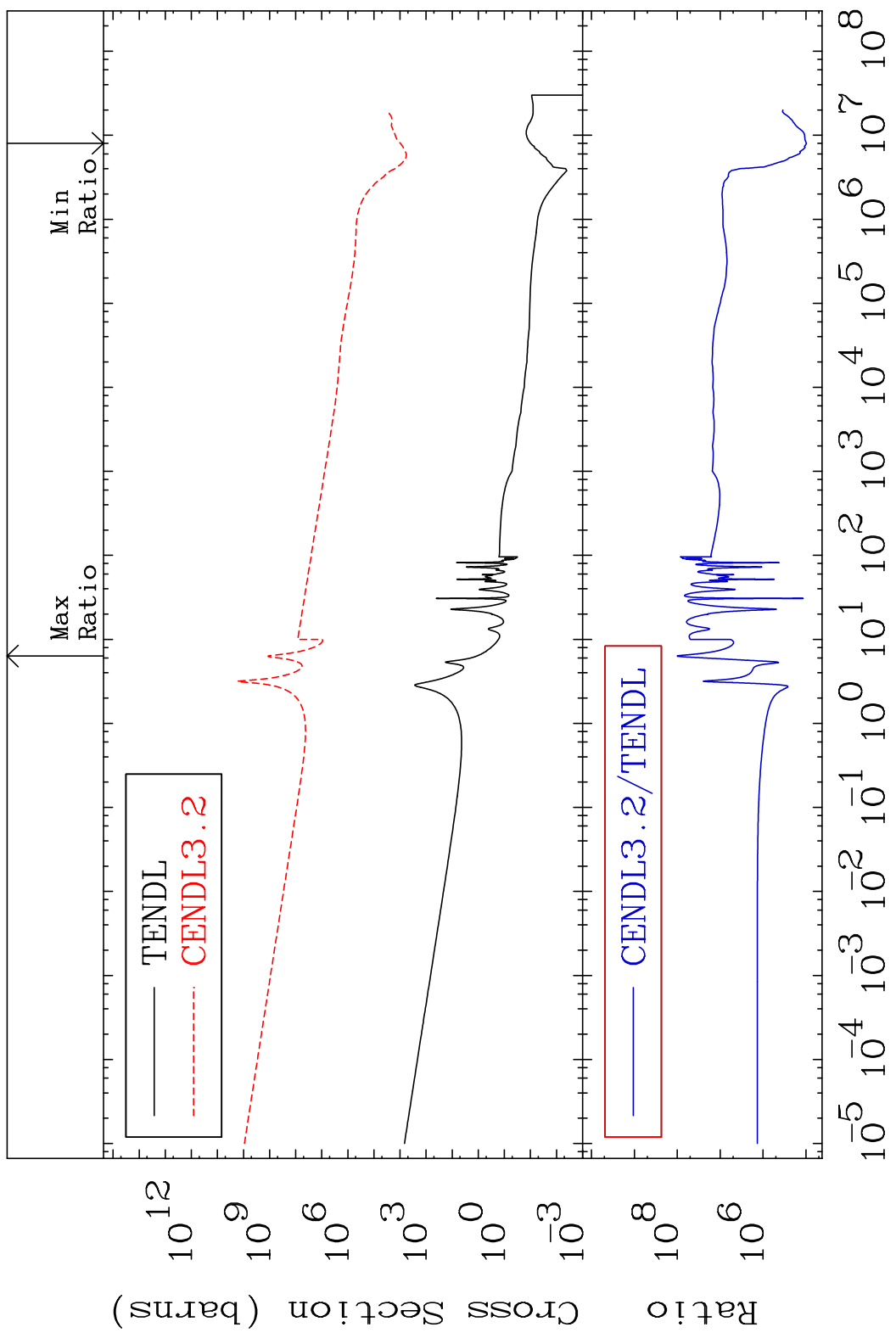


MAT 9428 Kerma inelastic (mt51-91) 94-Pu-236
 Cross Section 5992. To 9999. %

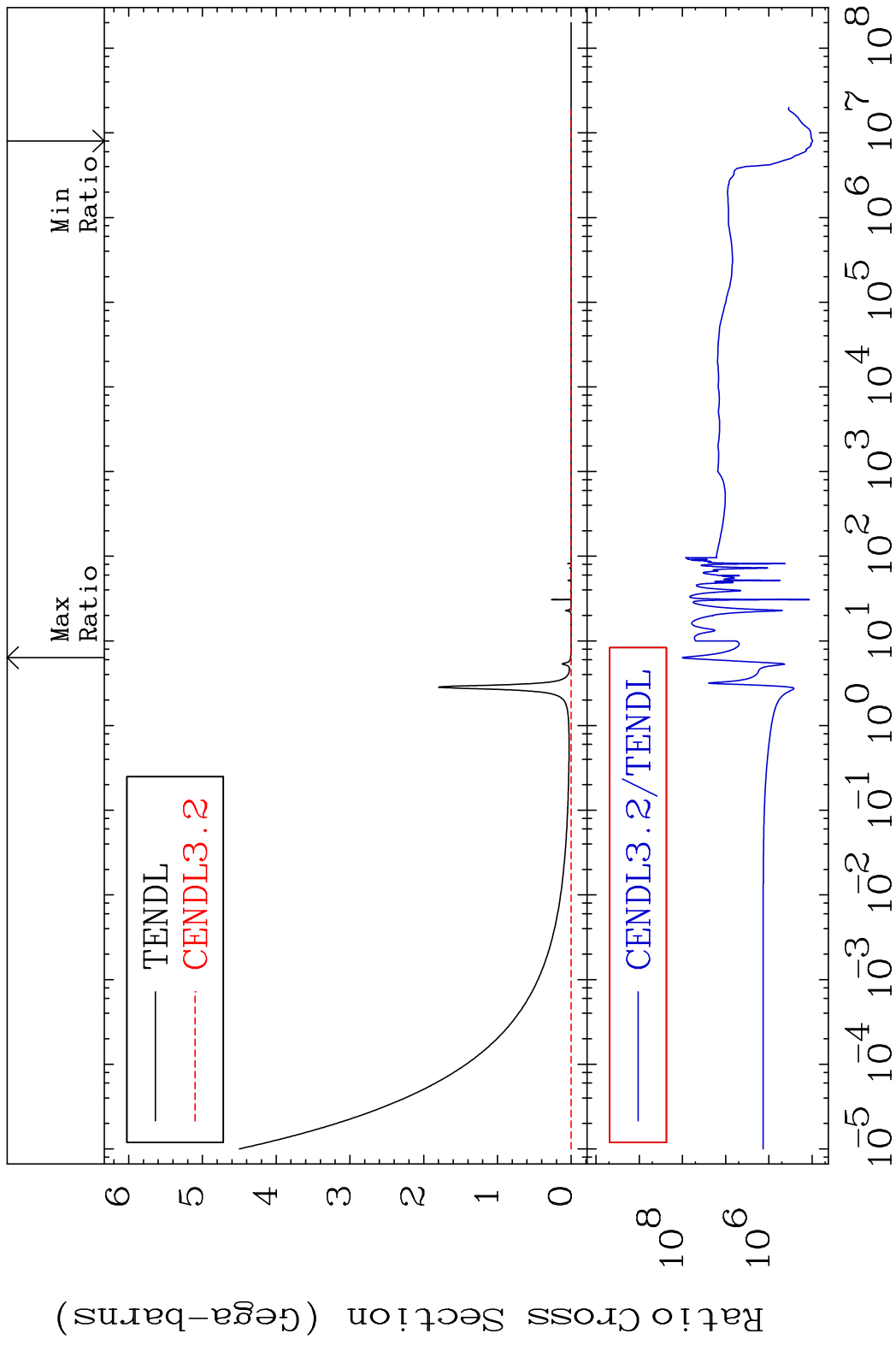


MAT 9428 Kerma fission (mt18 or mt19-20-21-38) 94-Pu-236
 Cross Section -87.79 To 9999. %

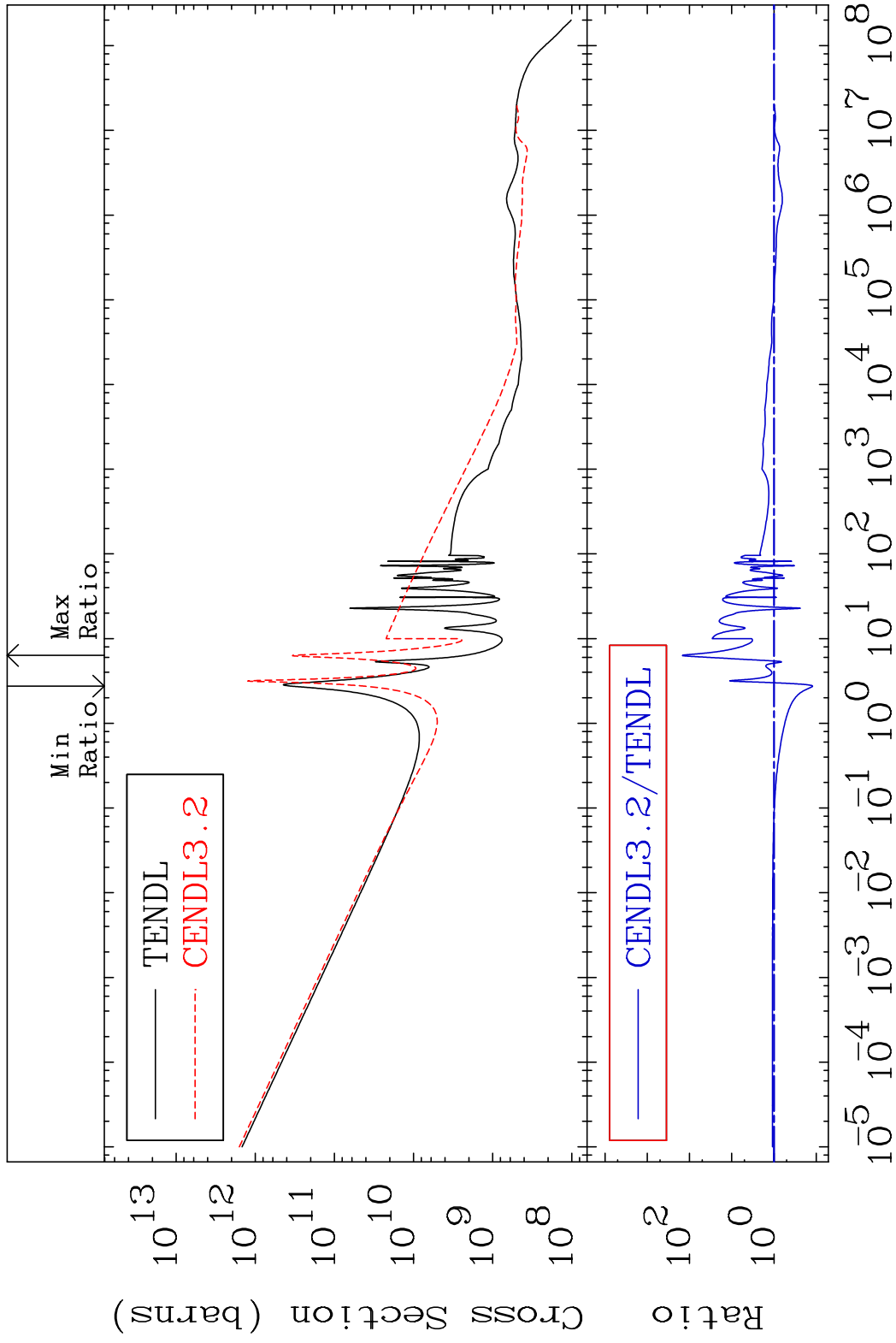




MAT 9428 Total photon (eV-barns) 94-Pu-236
 Cross Section 9999. To 9999. %



MAT 9428 Total kinematic kerma (high limit) 94-Pu-236
 Cross Section -87.79 To 9999. %

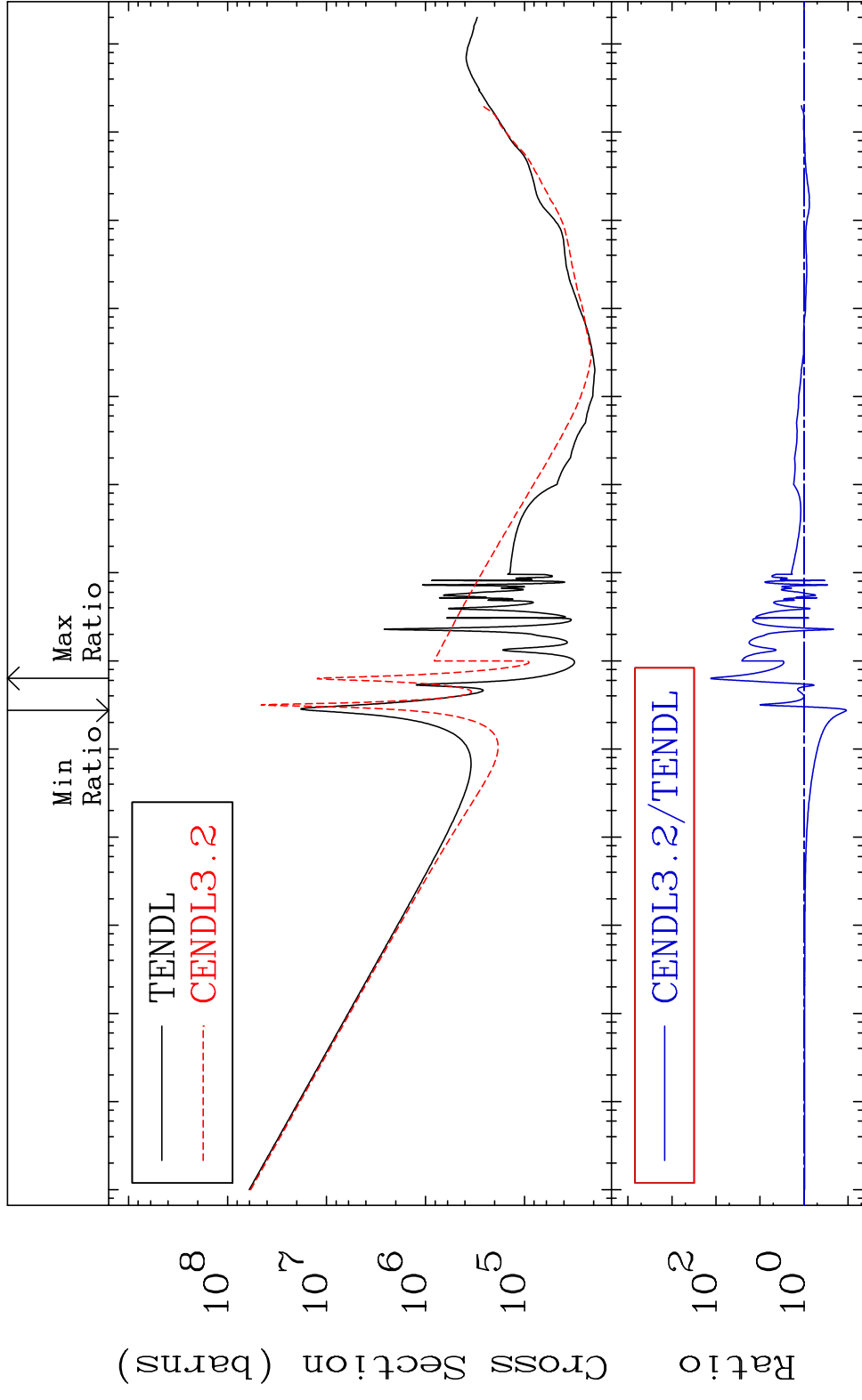


MAT 9428

Dpa total (eV-barns)

94-Pu-236

Cross Section -89.06 To 9999. %



30

Incident Energy (eV)

94-Pu-236

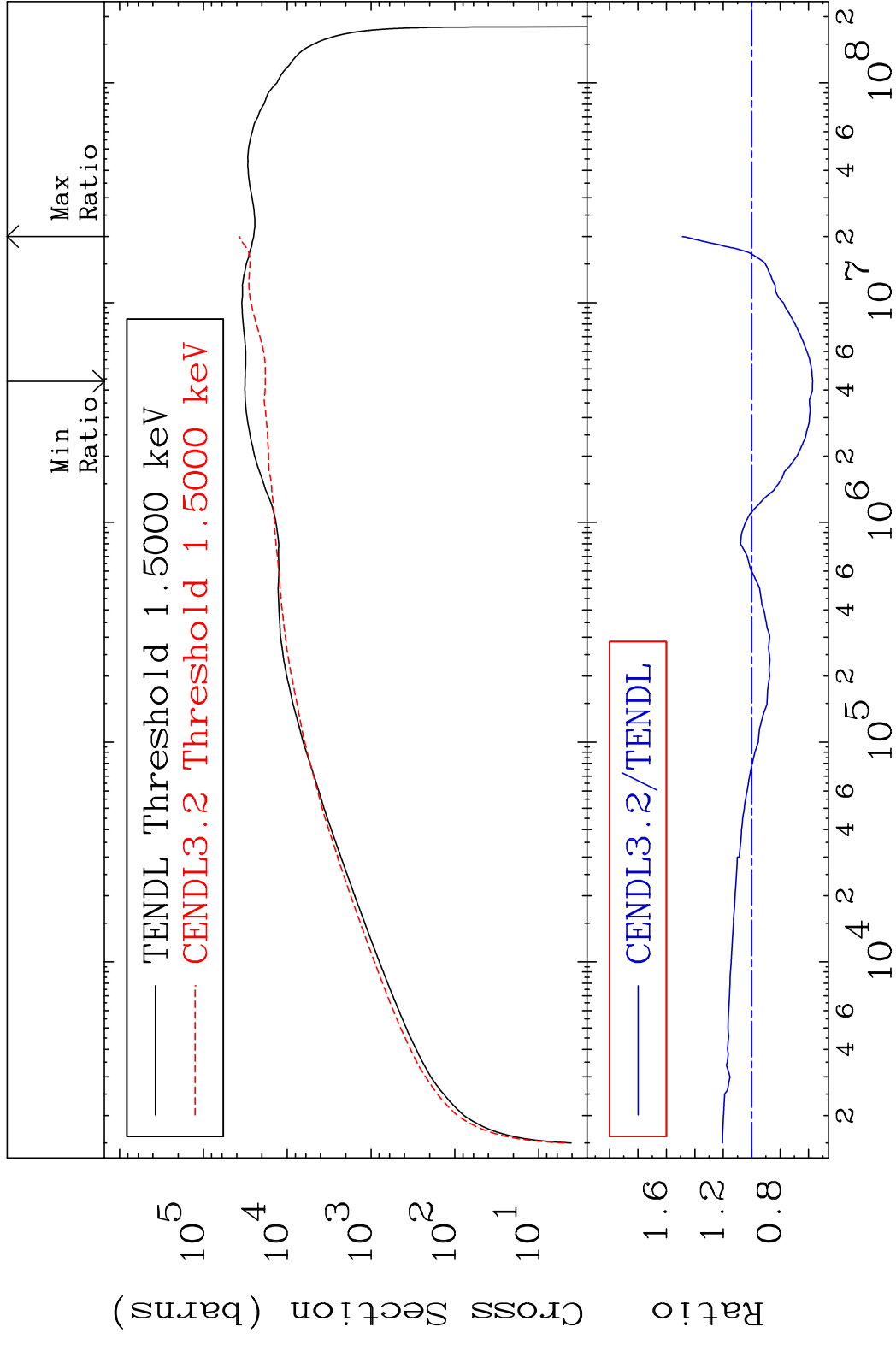
MAT 9428

Dpa elastic (mt2)

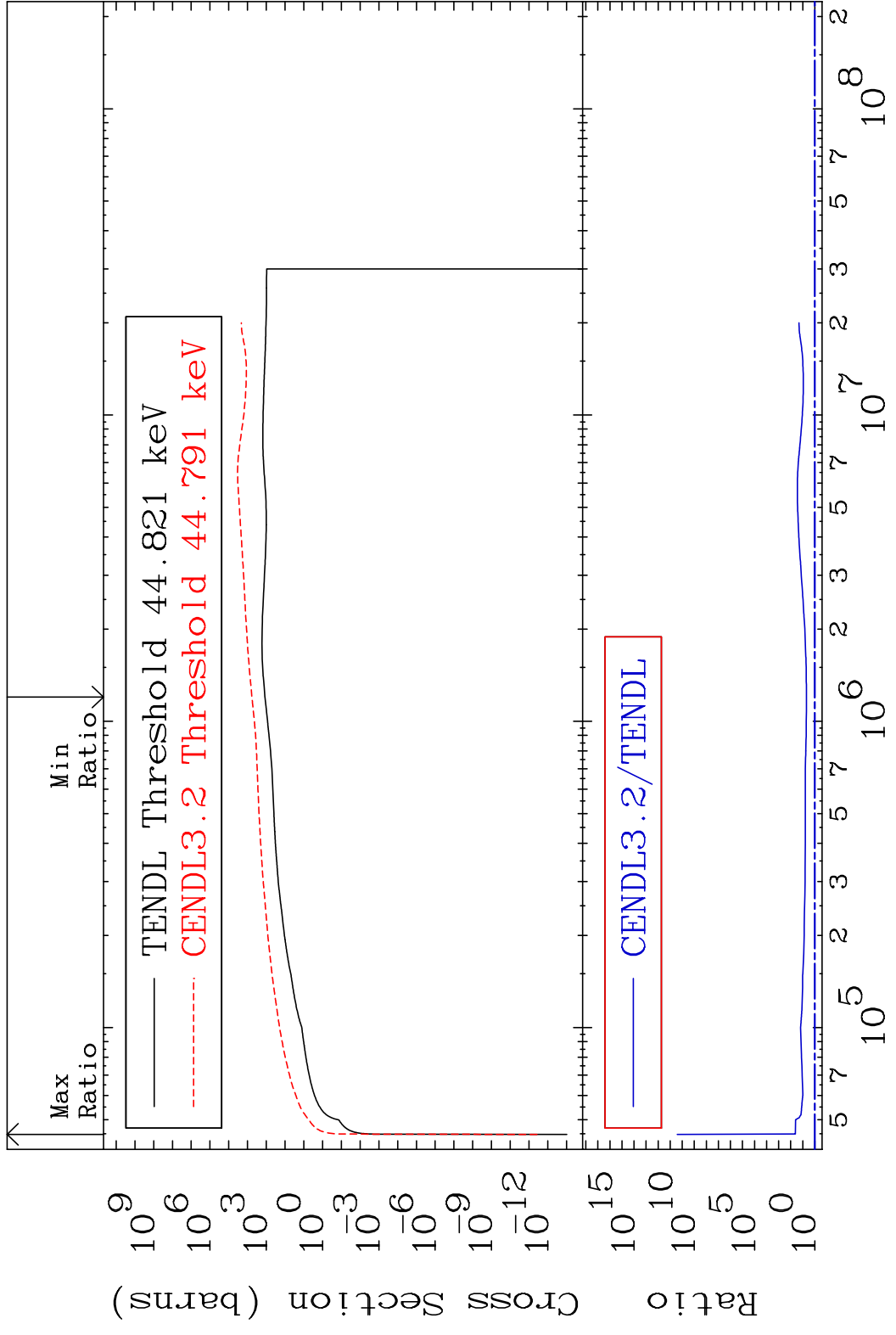
94-Pu-236

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 -9.255 To 9999. %

