

Program Complot
(Version 2018-1)

by

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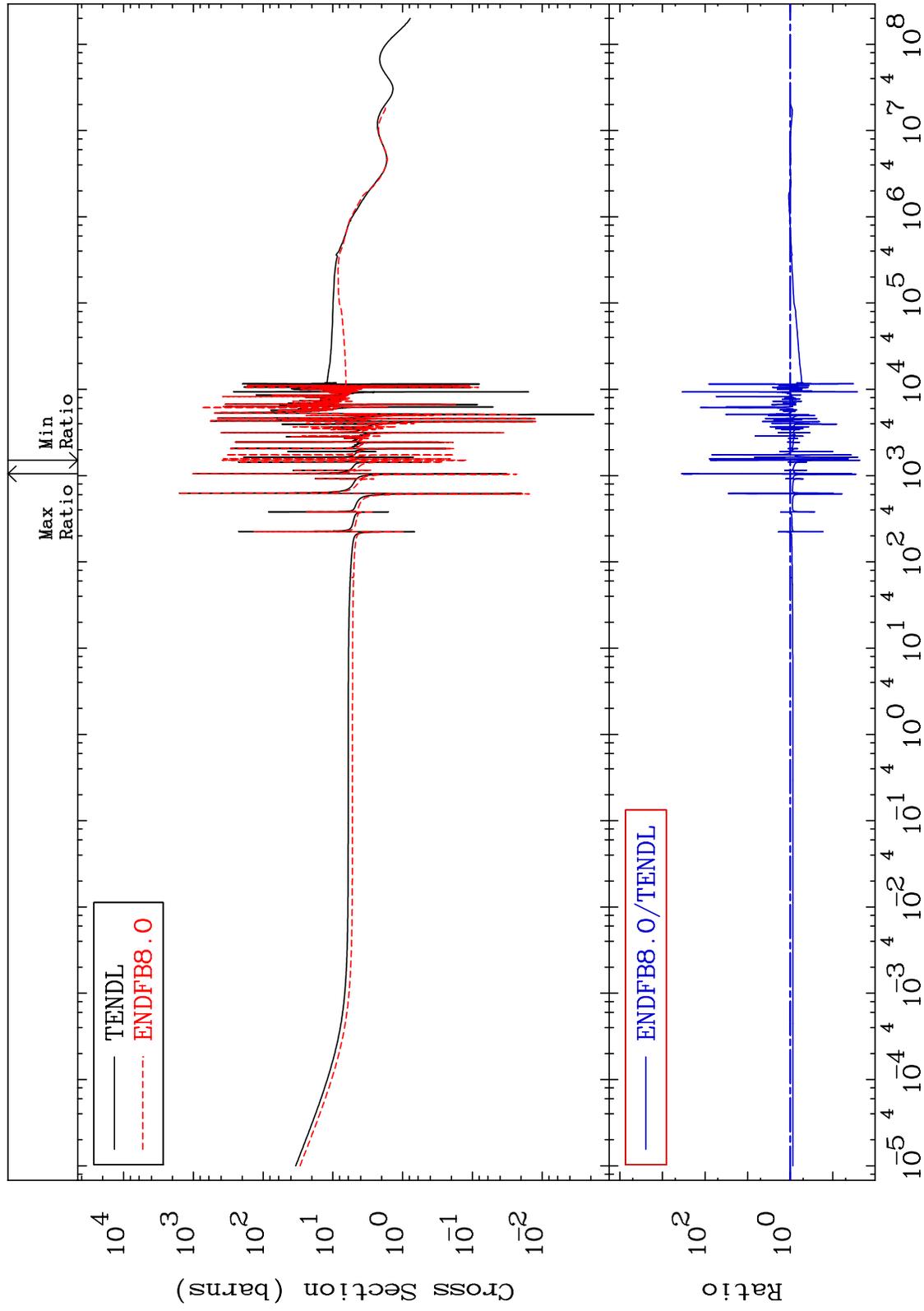
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

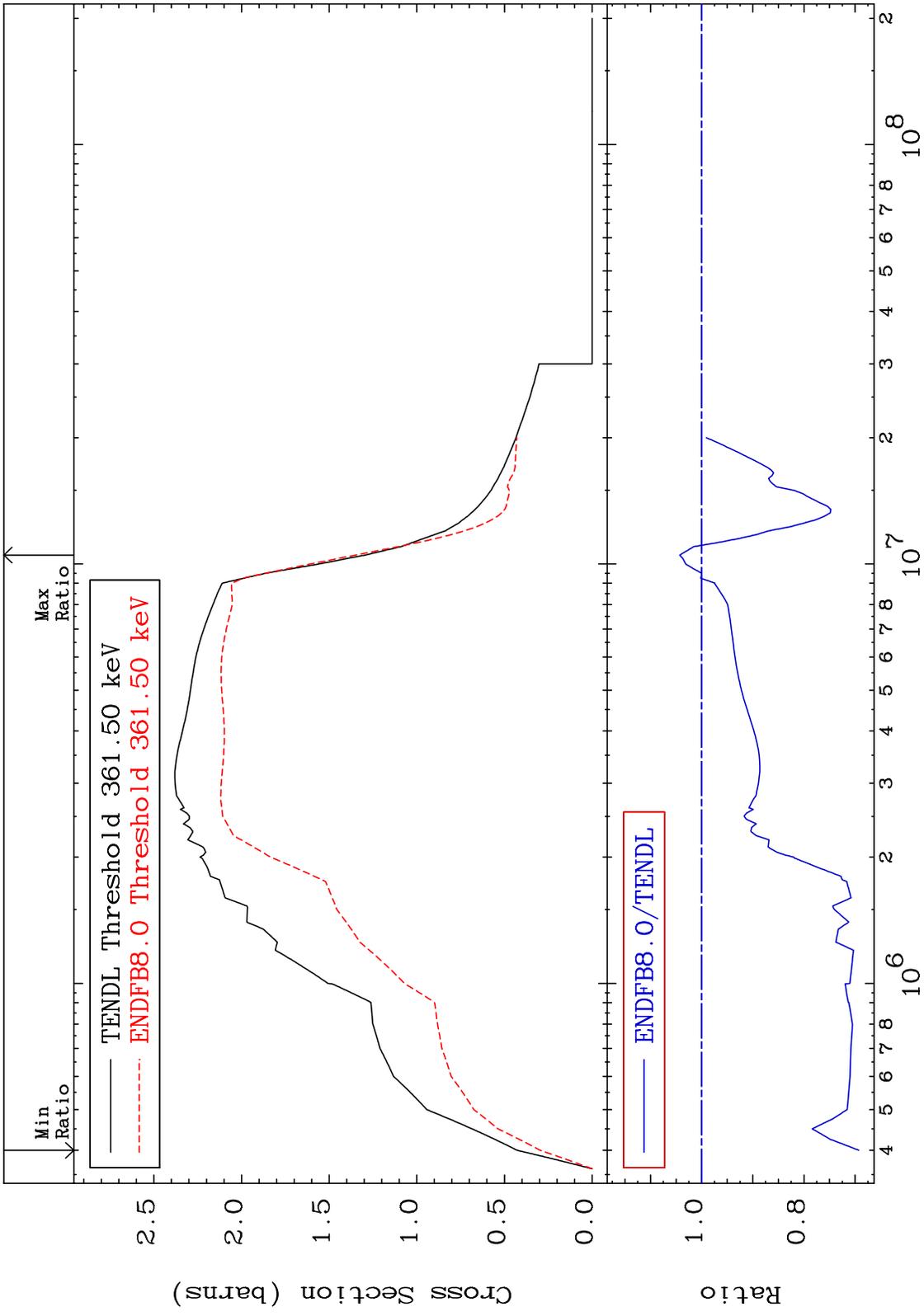
MAT 4449

Elastic
Cross Section

44-Ru-104
-97.68 To 9999. %

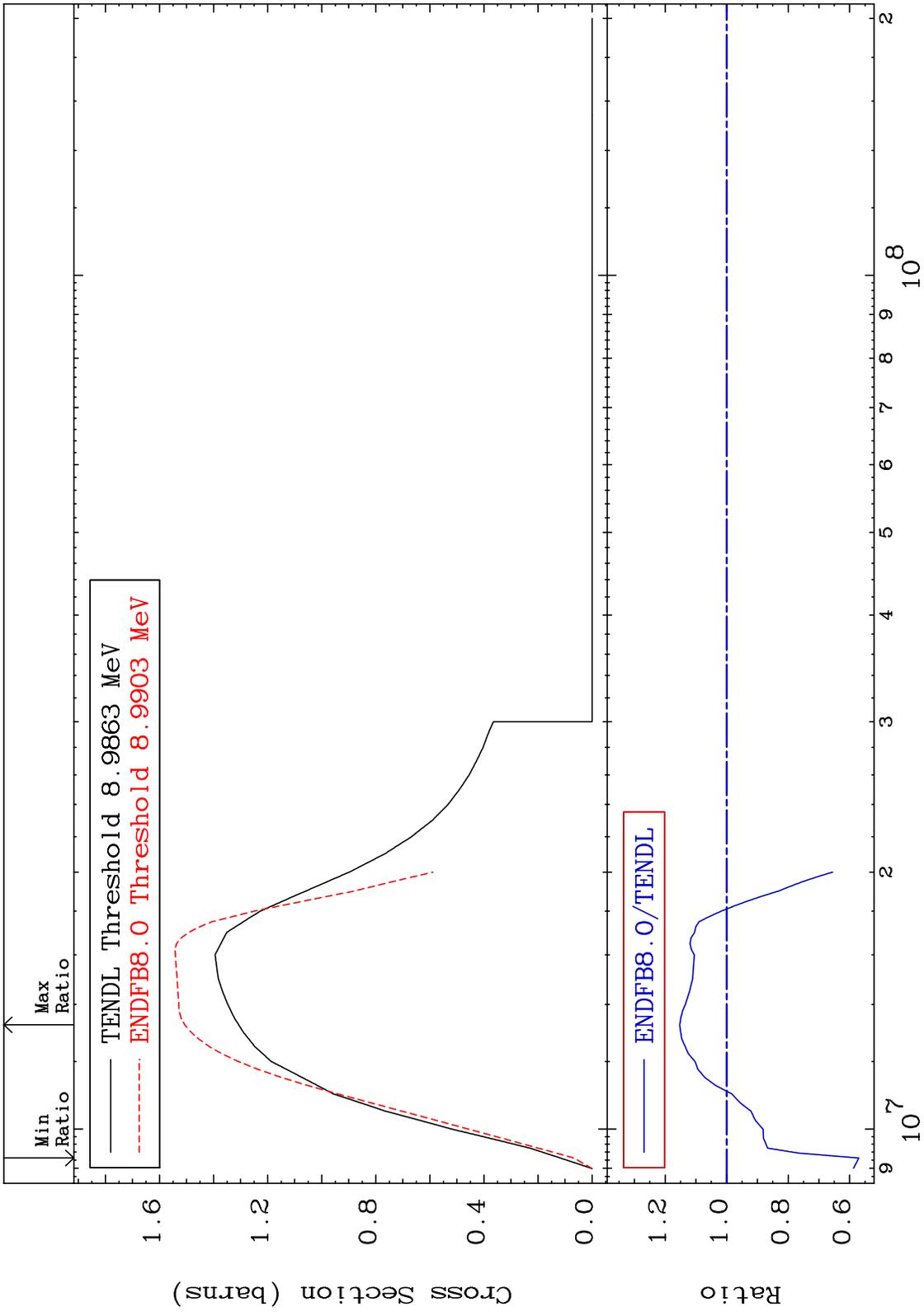


MAT 4449 Inelastic Cross Section 44-Ru-104 -30.73 To 4.286 %



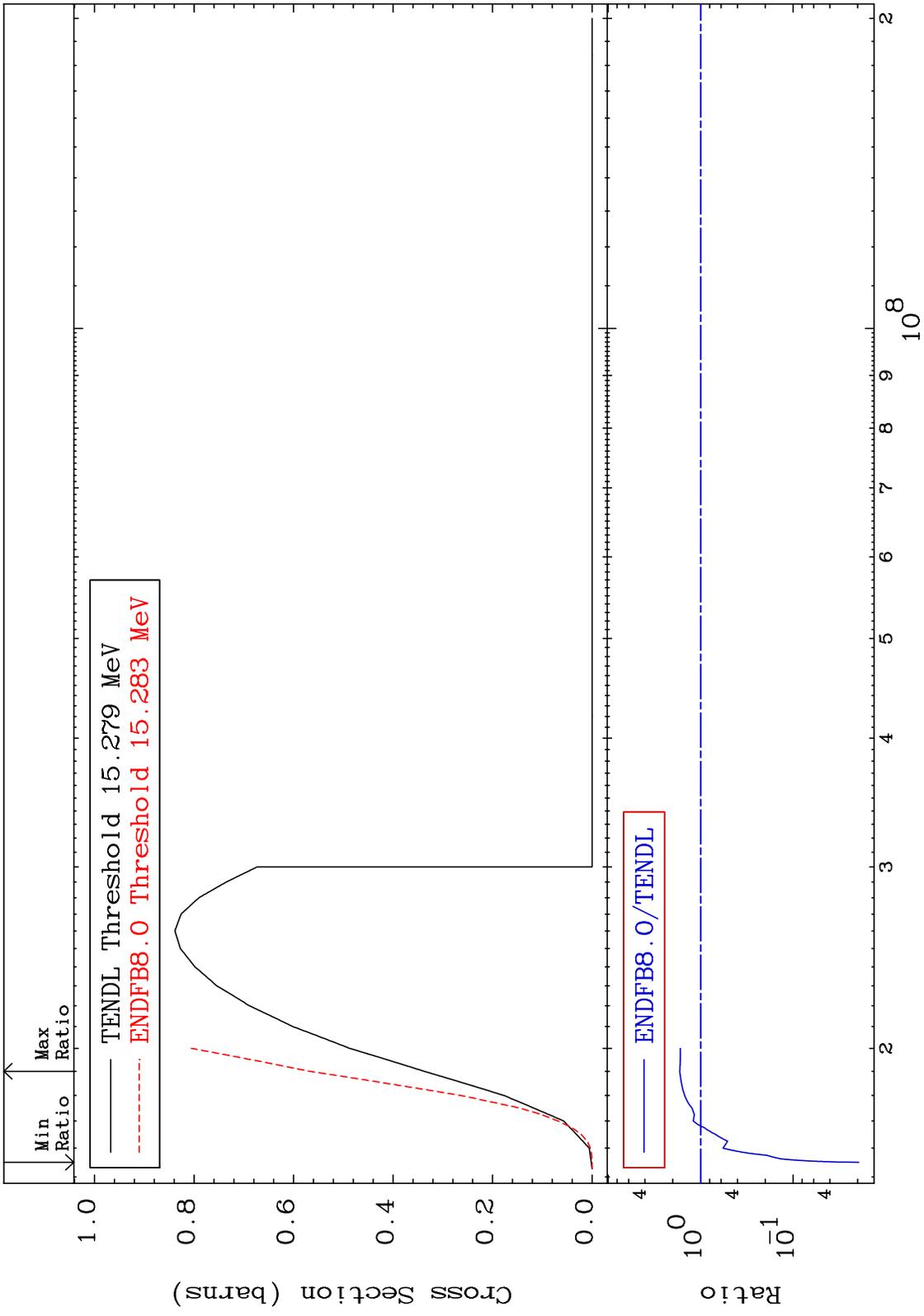
3 44-Ru-104

MAT 4449 (n,2n) Cross Section 44-Ru-104 -42.97 To 15.26 %



44-Ru-104

MAT 4449 (n,3n) Cross Section 44-Ru-104 -98.05 To 68.14 %



MAT 4449

(n, n') α

44-Ru-104

-13.84 To 553.8 %

Cross Section

Max Ratio

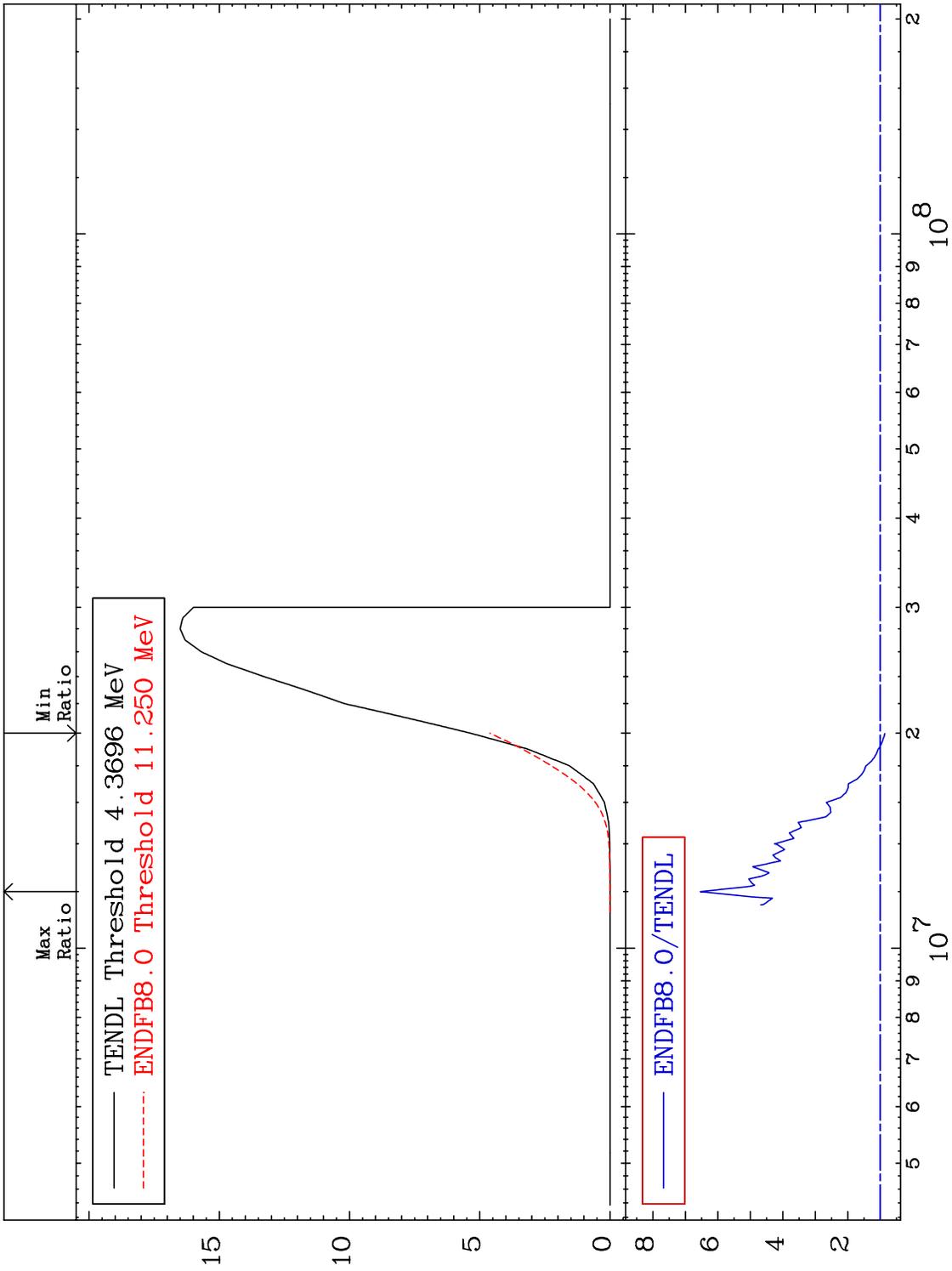
Min Ratio

TENDL Threshold 4.3696 MeV
ENDFB8.0 Threshold 11.250 MeV

ENDFB8.0/TENDL

Cross Section (milli-barns)

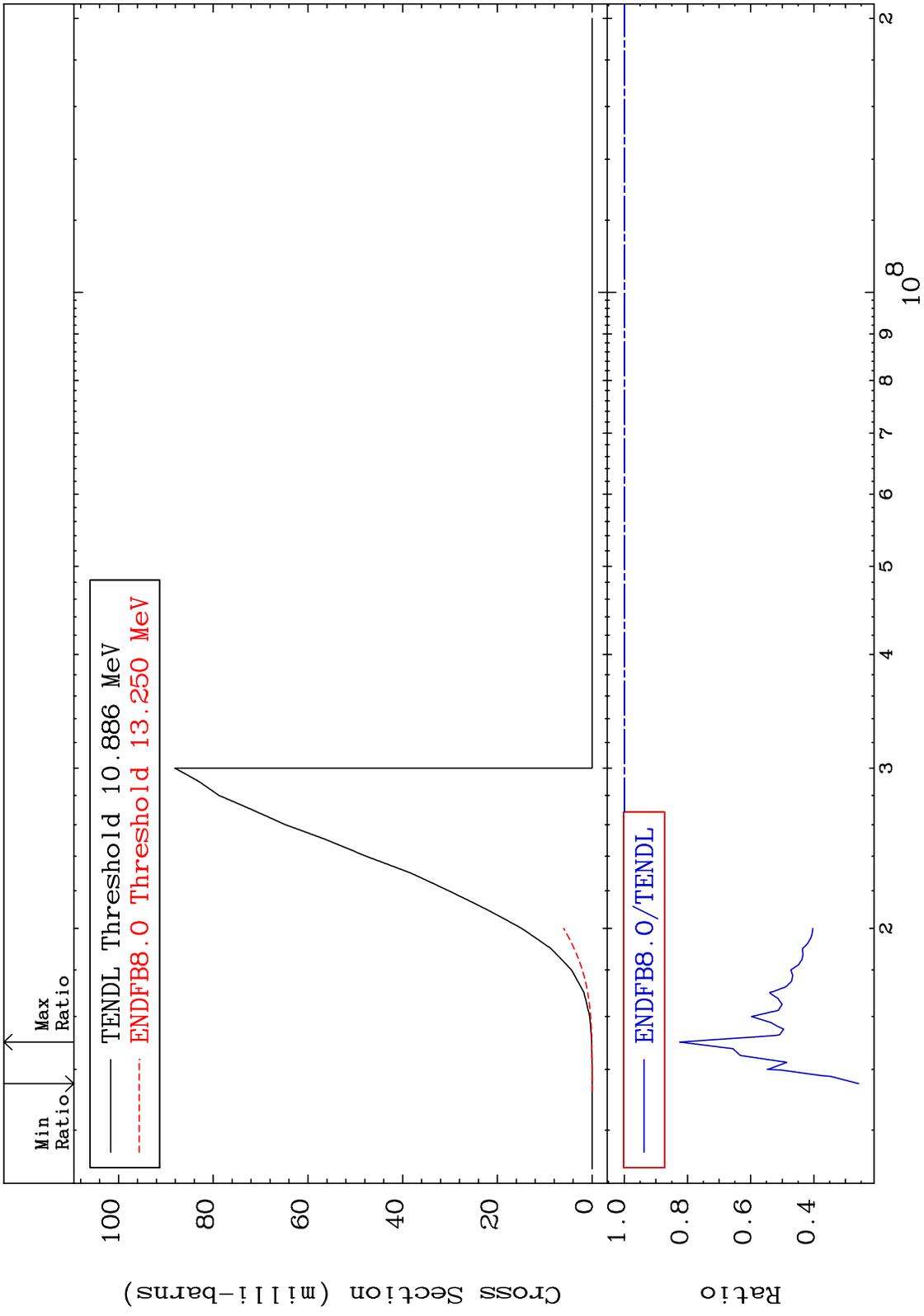
Ratio



6

Incident Energy (eV)

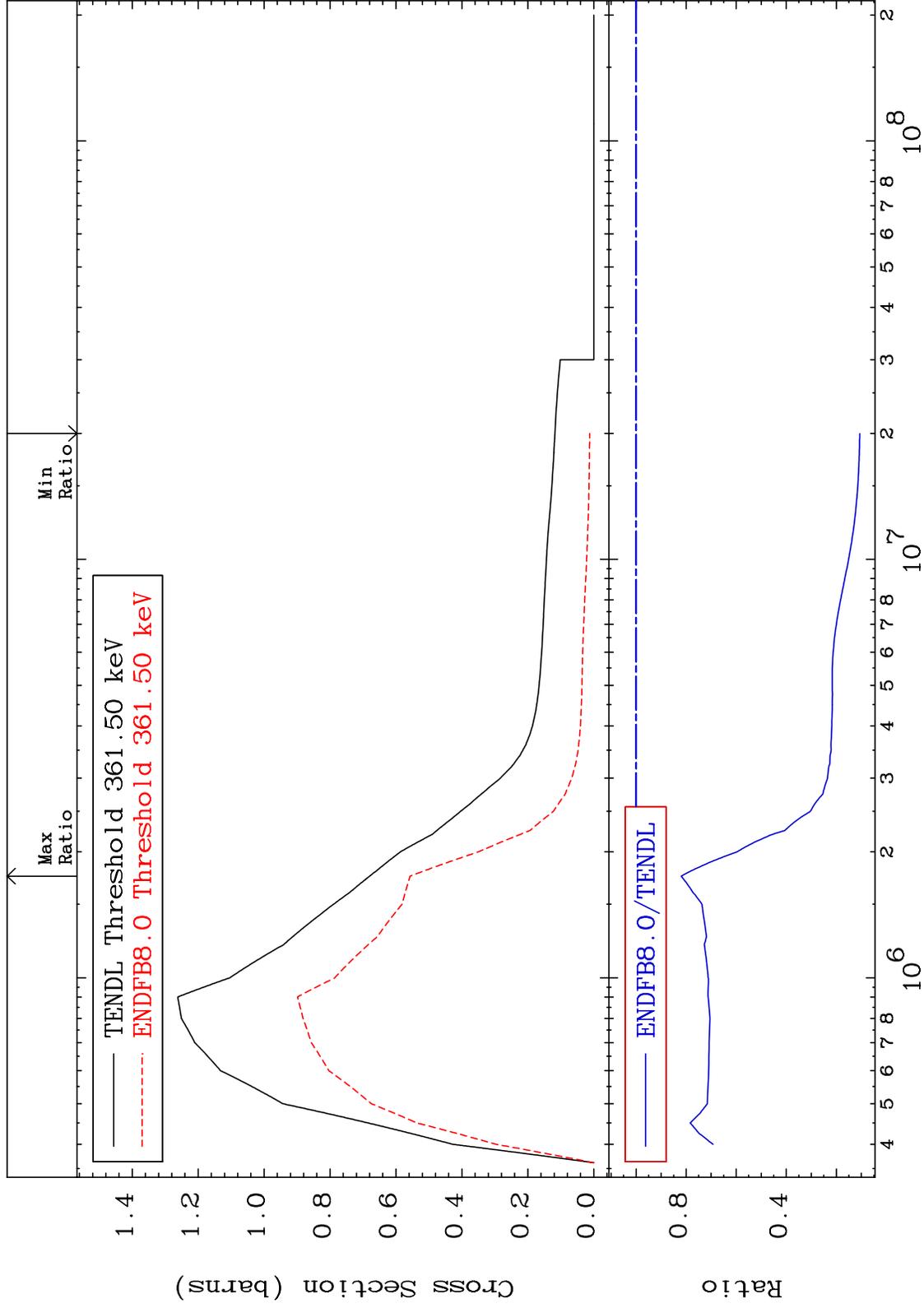
44-Ru-104



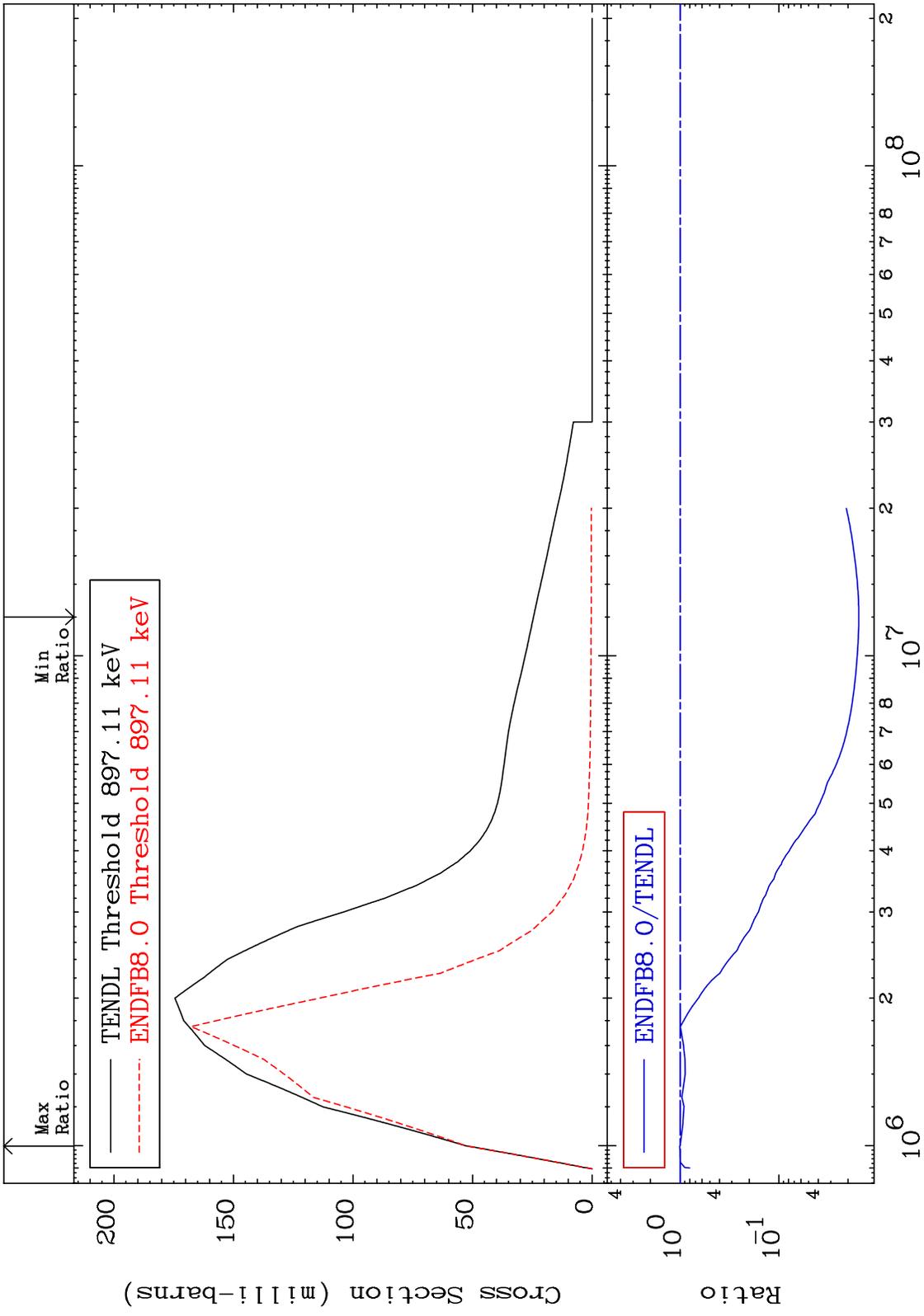
MAT 4449

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

44-Ru-104
-89.39 To -18.04%

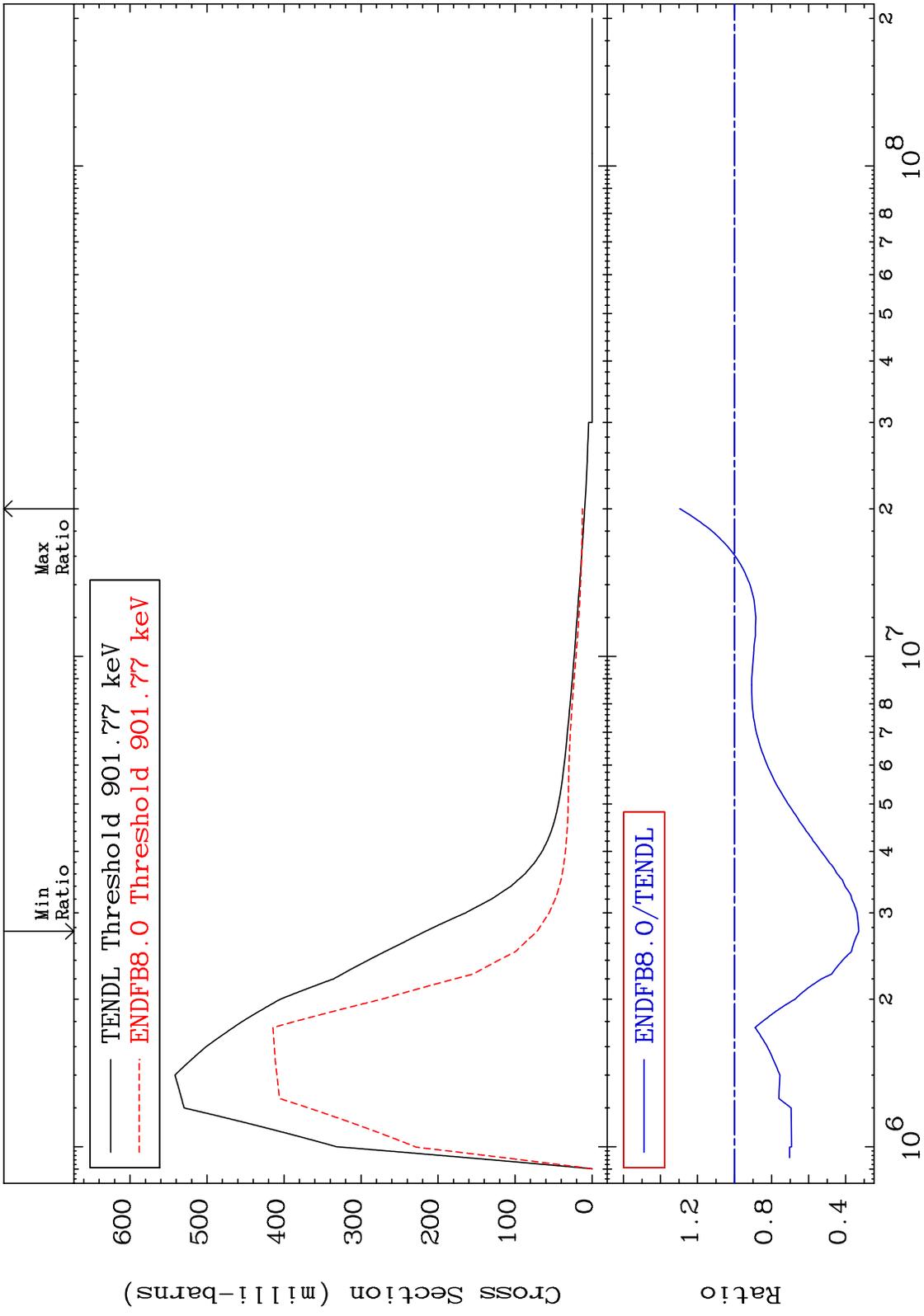


MAT 4449 MT= 52 (n,n') Level 44-Ru-104
Cross Section -98.44 To 0.916 %



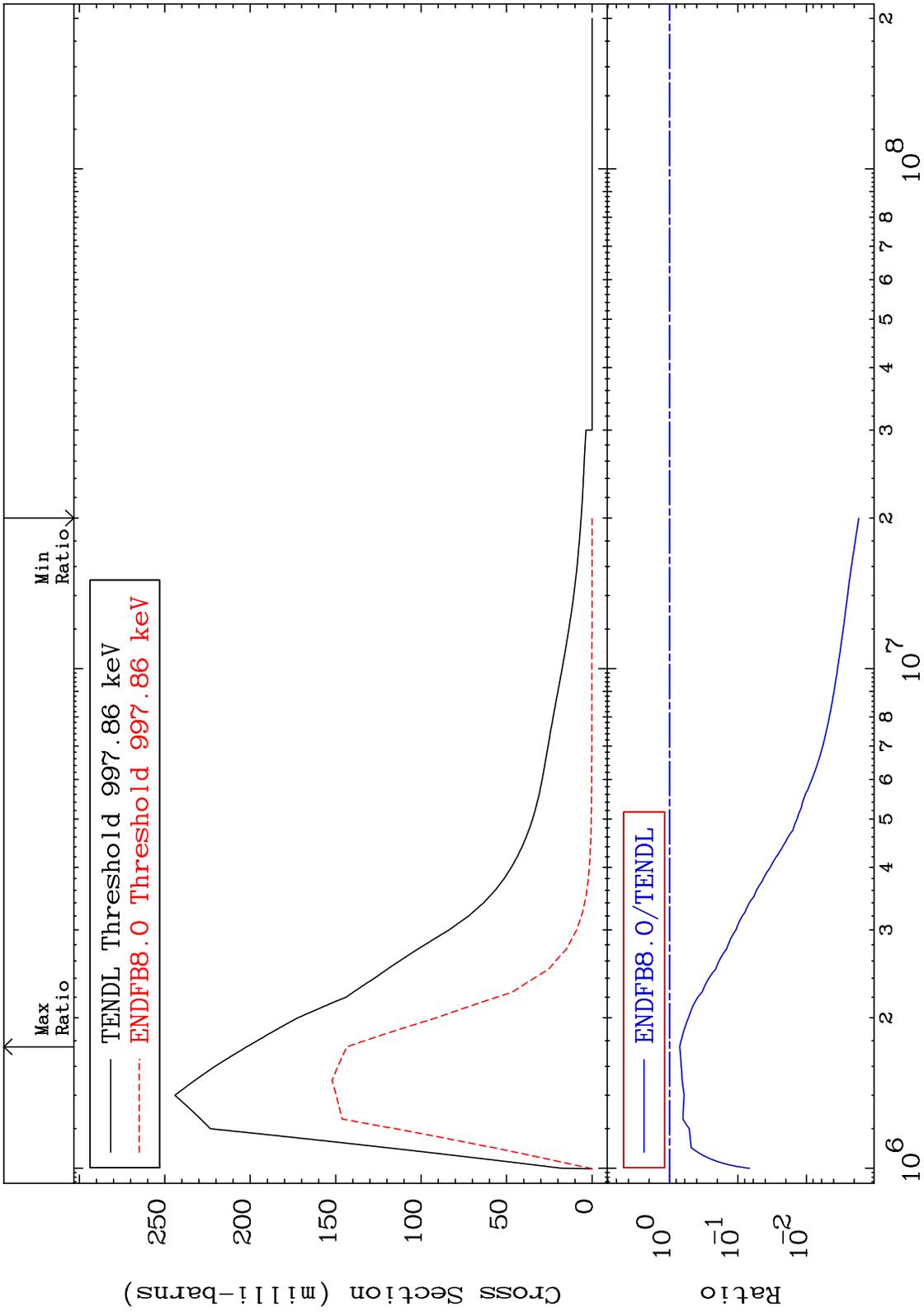
9 10⁶ 10⁷ 10⁸ 44-Ru-104

MAT 4449 MT= 53 (n,n') Level Cross Section 44-Ru-104
 -67.06 To 29.59 %

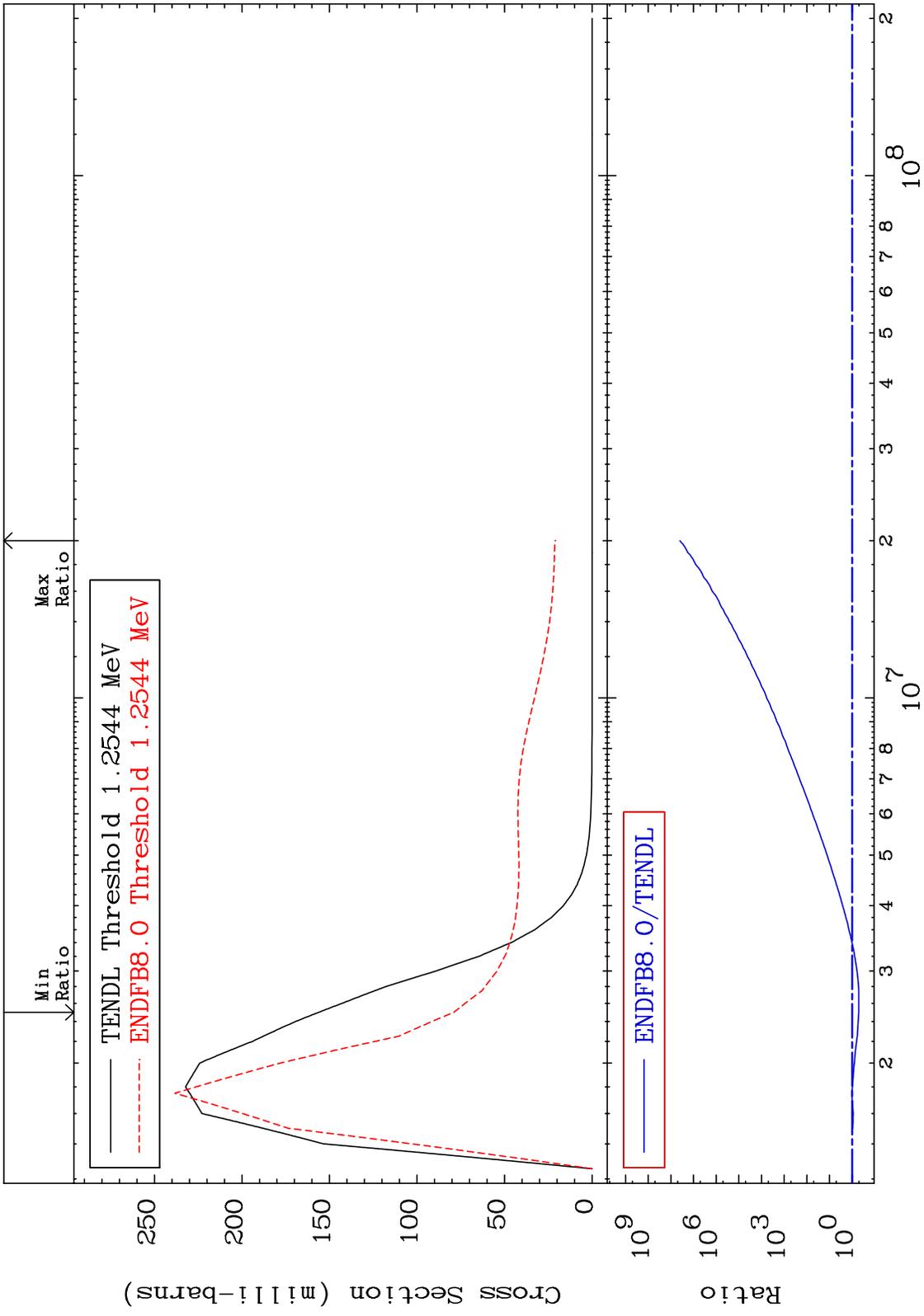


44-Ru-104

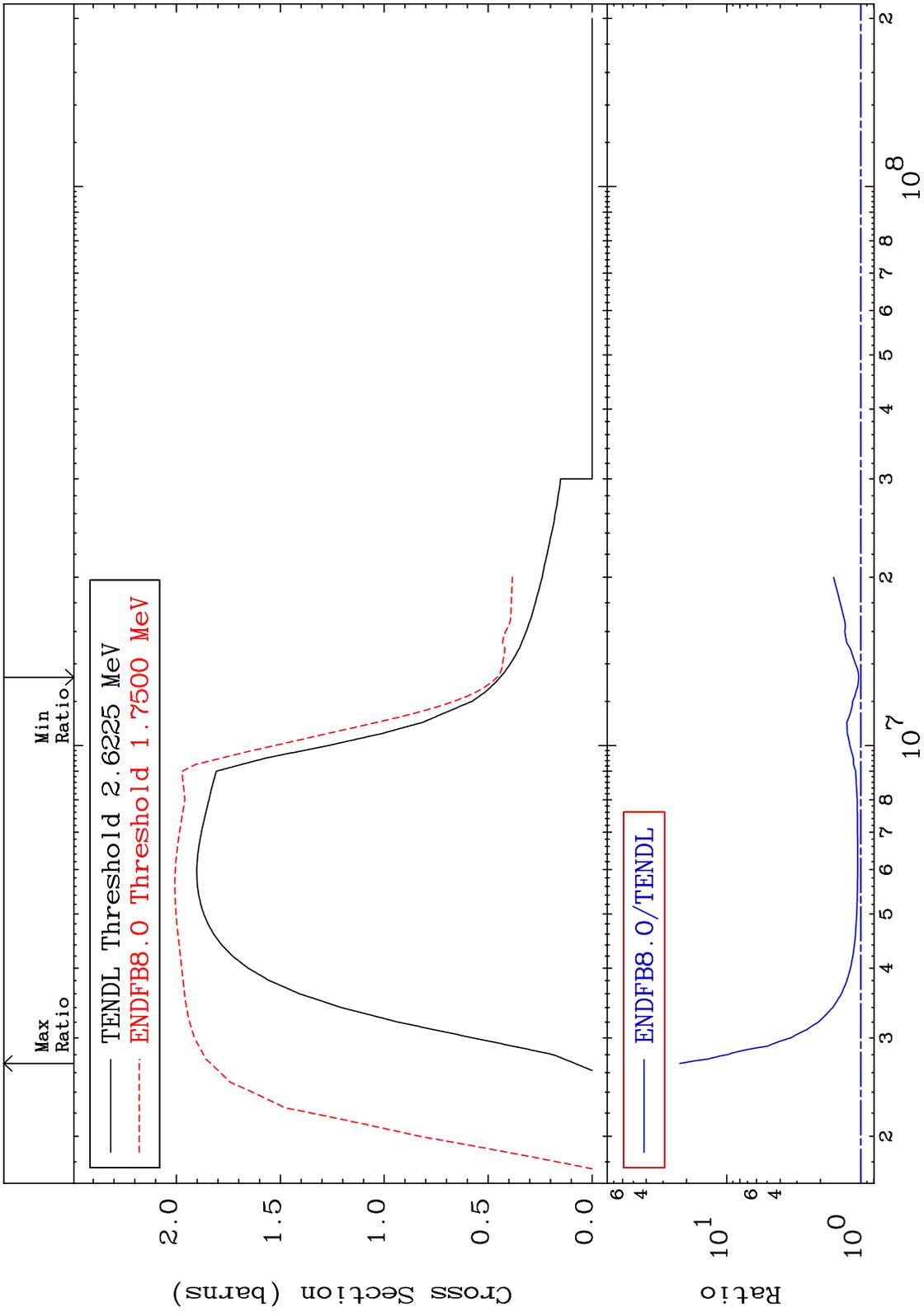
MAT 4449 MT= 54 (n,n') Level 44-Ru-104
 Cross Section -99.83 To -28.99%



MAT 4449 MT= 55 (n,n') Level Cross Section 44-Ru-104
 -49.43 To 9999. %



MAT 4449 (n,n') Continuum Cross Section 44-Ru-104 3.336 To 2147. %



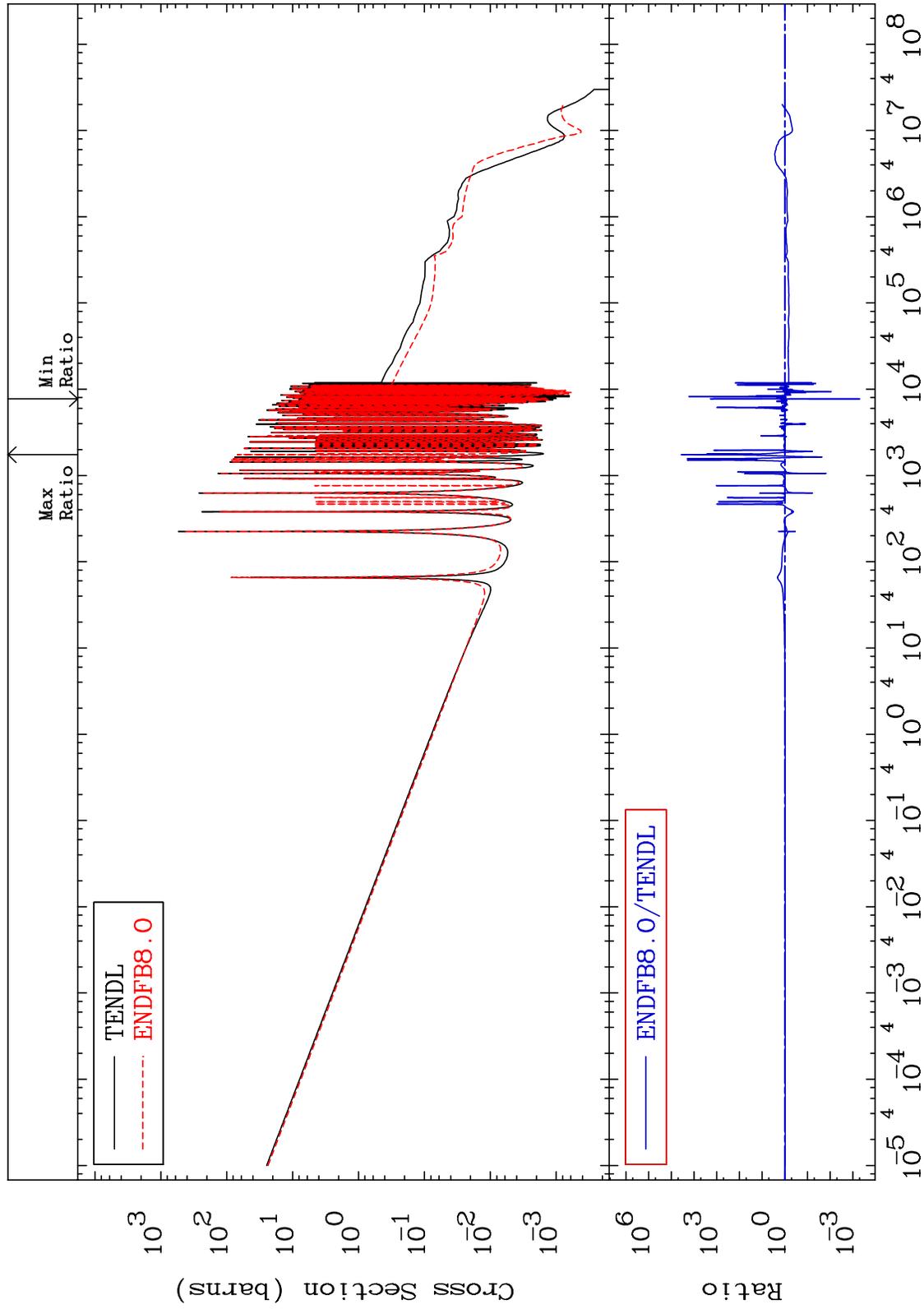
MAT 4449

(n, γ)

44-Ru-104

Cross Section

-99.95 To 9999. %



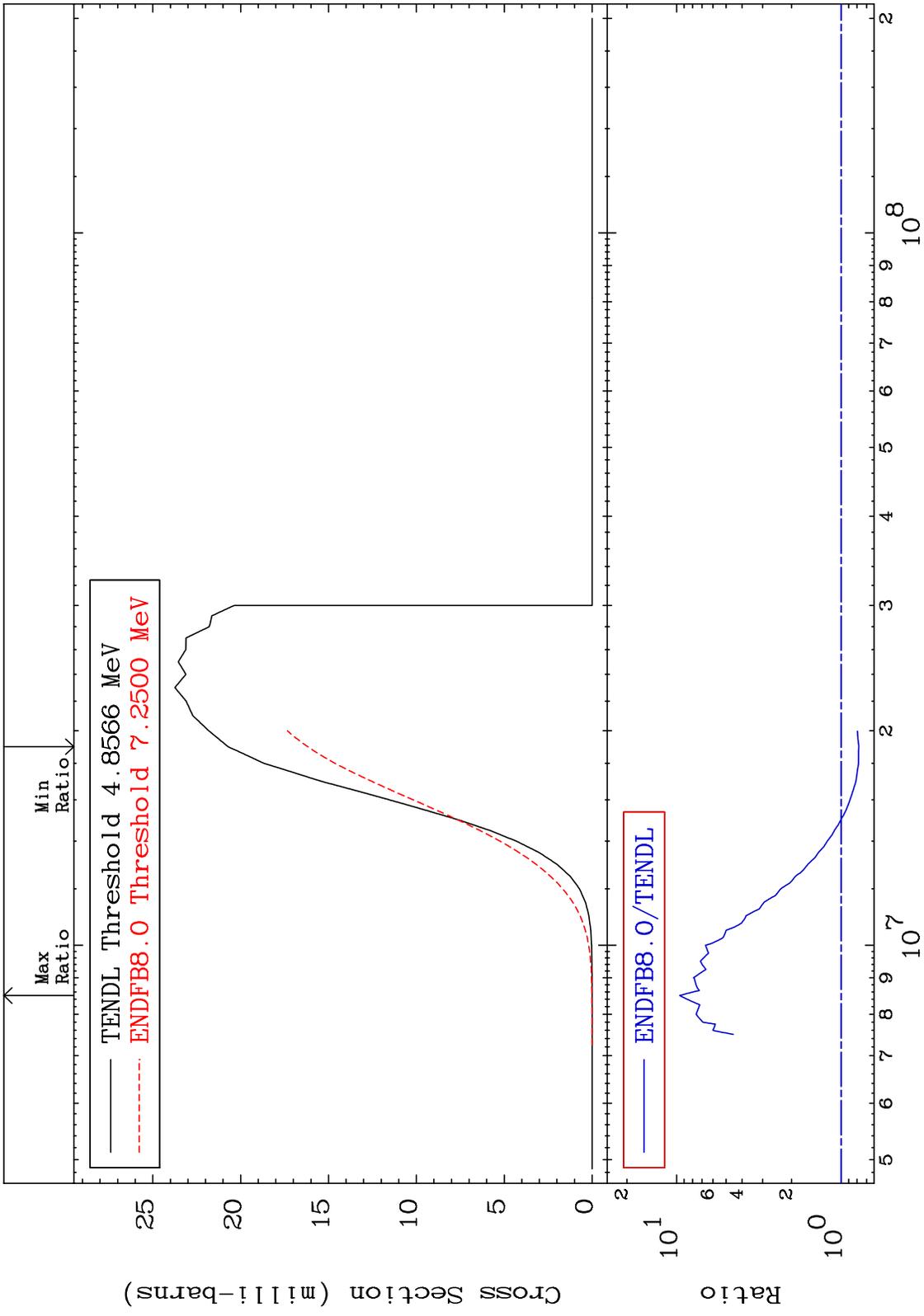
MAT 4449

(n,p)

44-Ru-104

Cross Section

-21.90 To 856.2 %

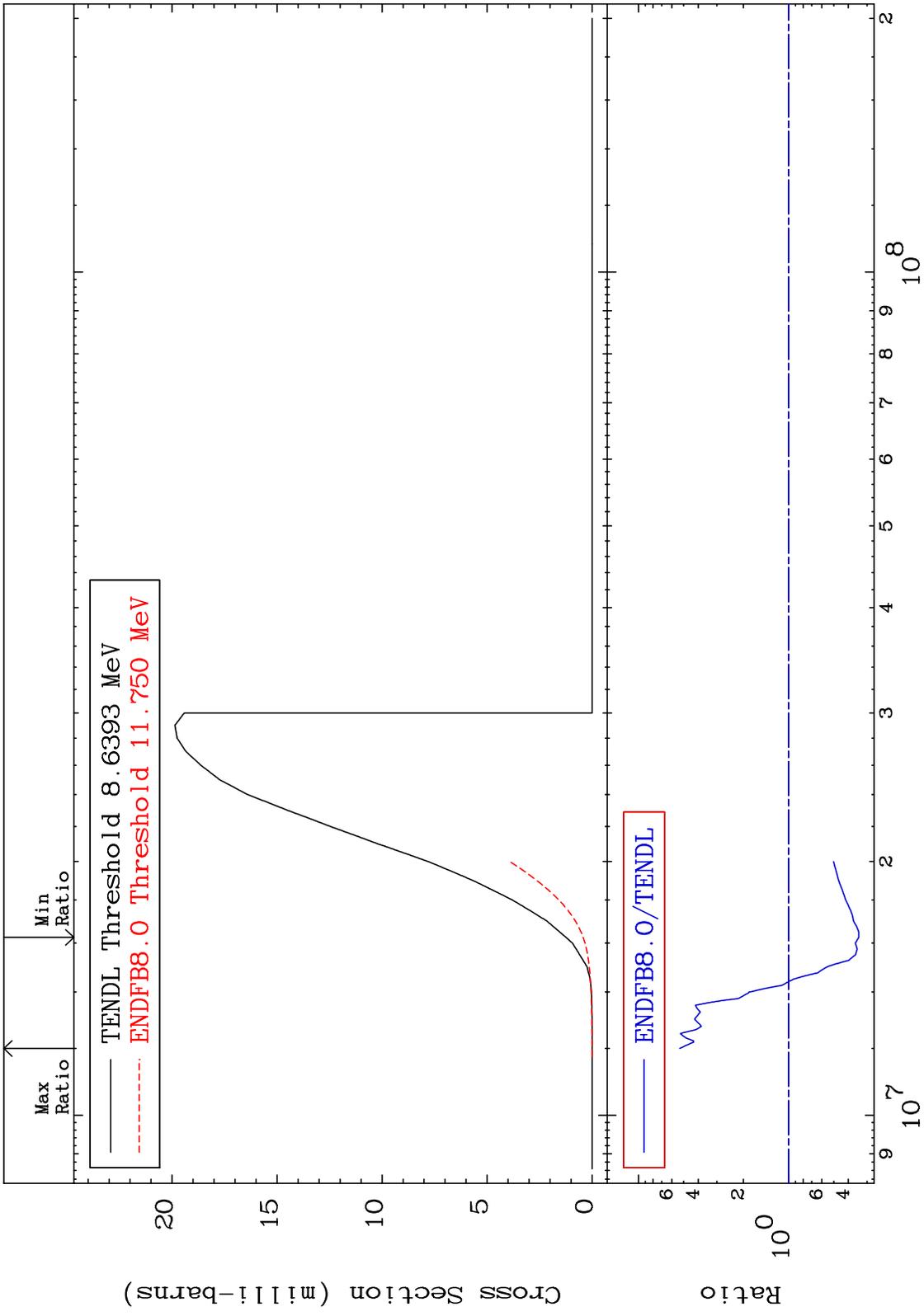


44-Ru-104

Incident Energy (eV)

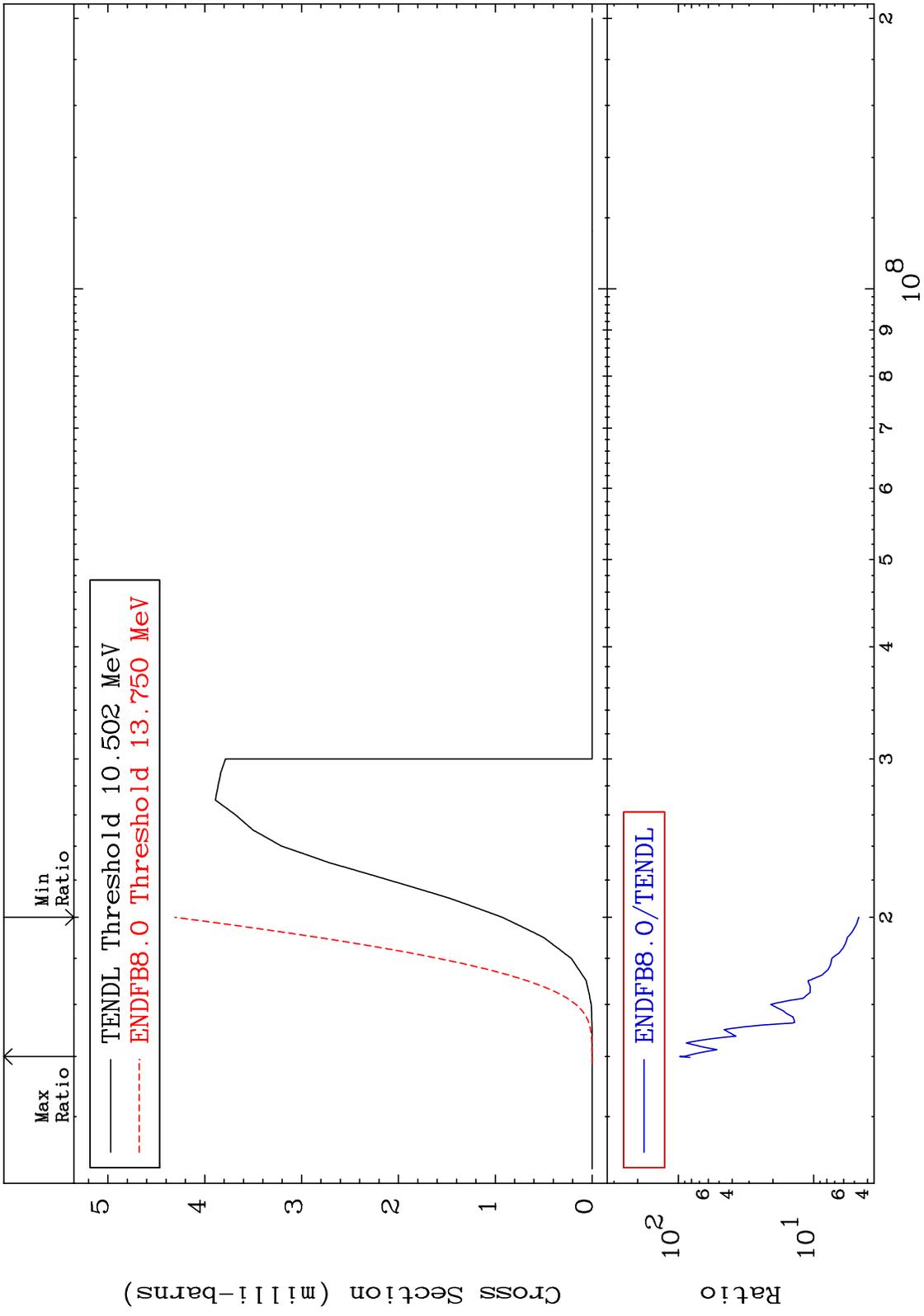
15

MAT 4449 (n,d) Cross Section 44-Ru-104
-65.98 To 431.2 %

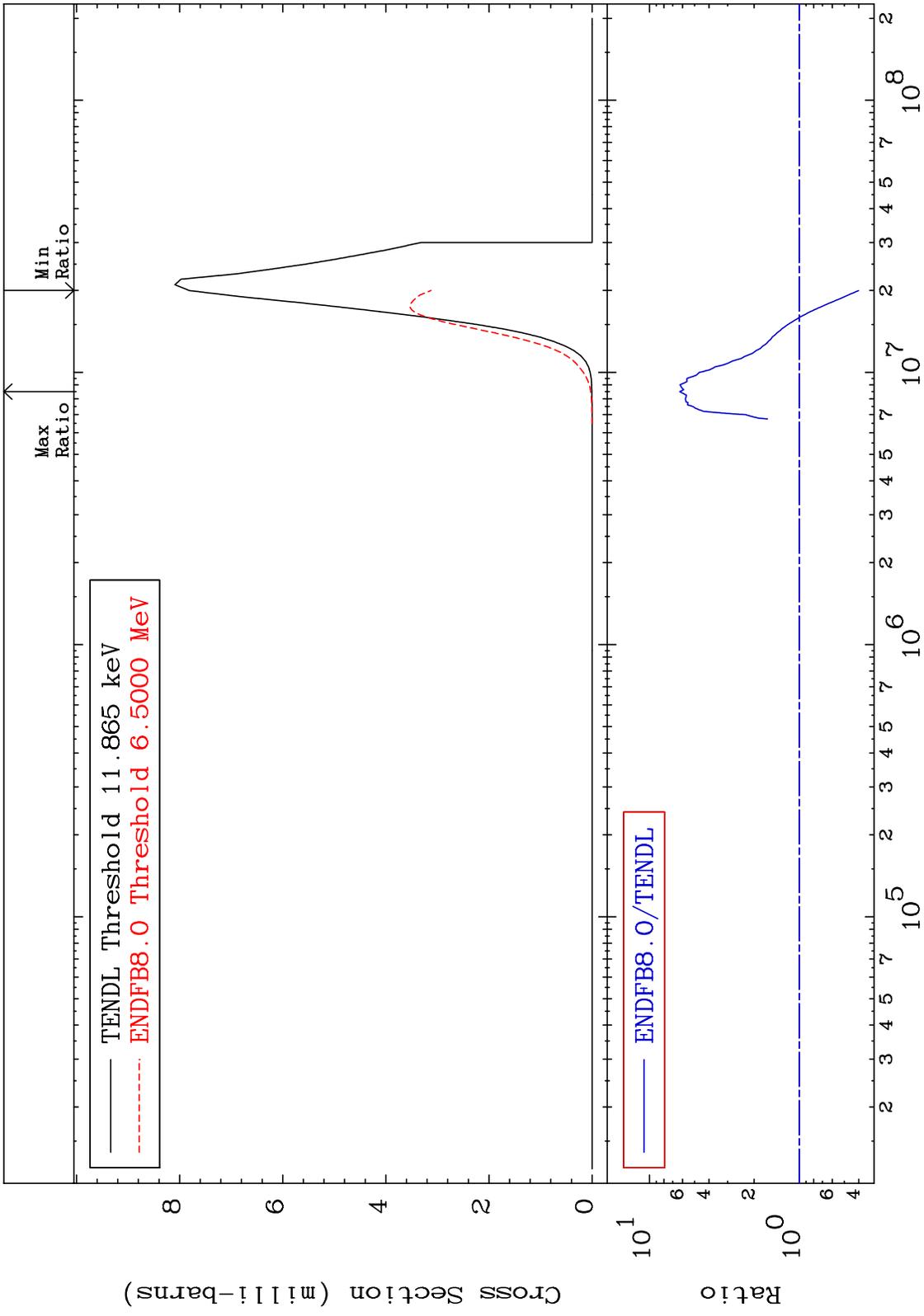


16 44-Ru-104

MAT 4449 (n,t) Cross Section 44-Ru-104 364.2 To 9680. %



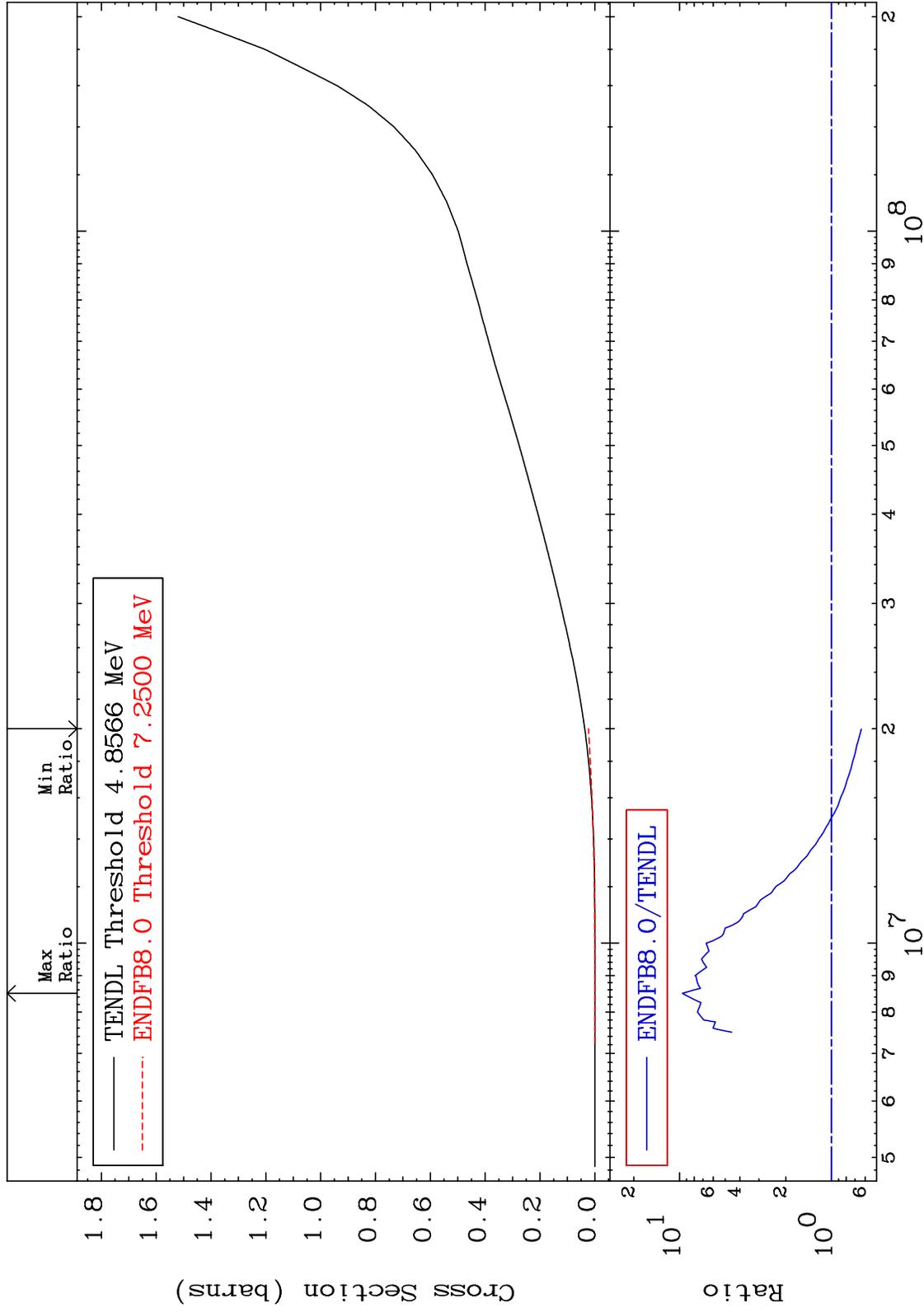
MAT 4449 (n, α) Cross Section 44-Ru-104 -60.04 To 527.0 %



MAT 4449

Hydrogen Production
Cross Section

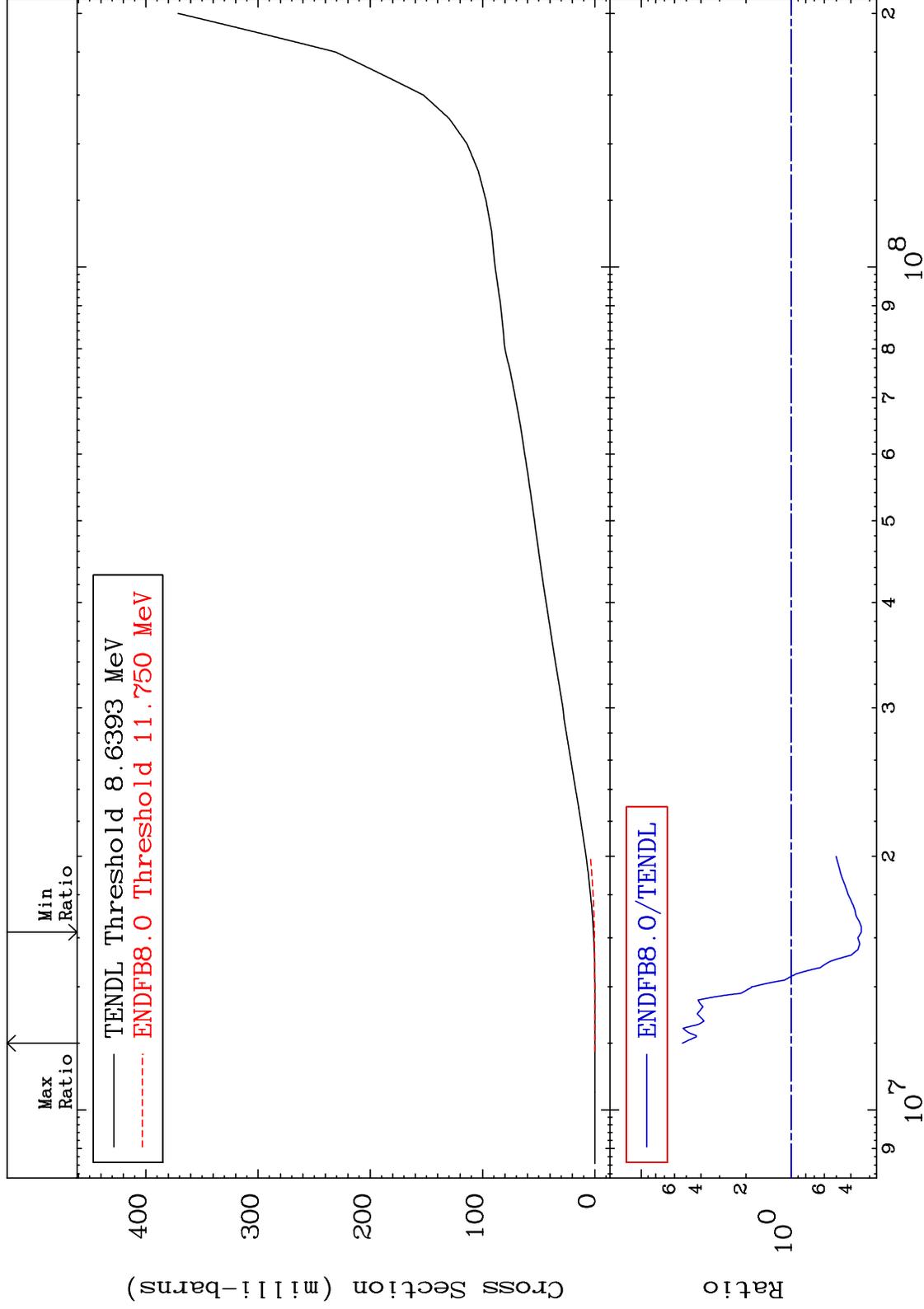
44-Ru-104
-36.38 To 856.2 %



MAT 4449

Deuterium Production
Cross Section

44-Ru-104
-65.98 To 431.2 %

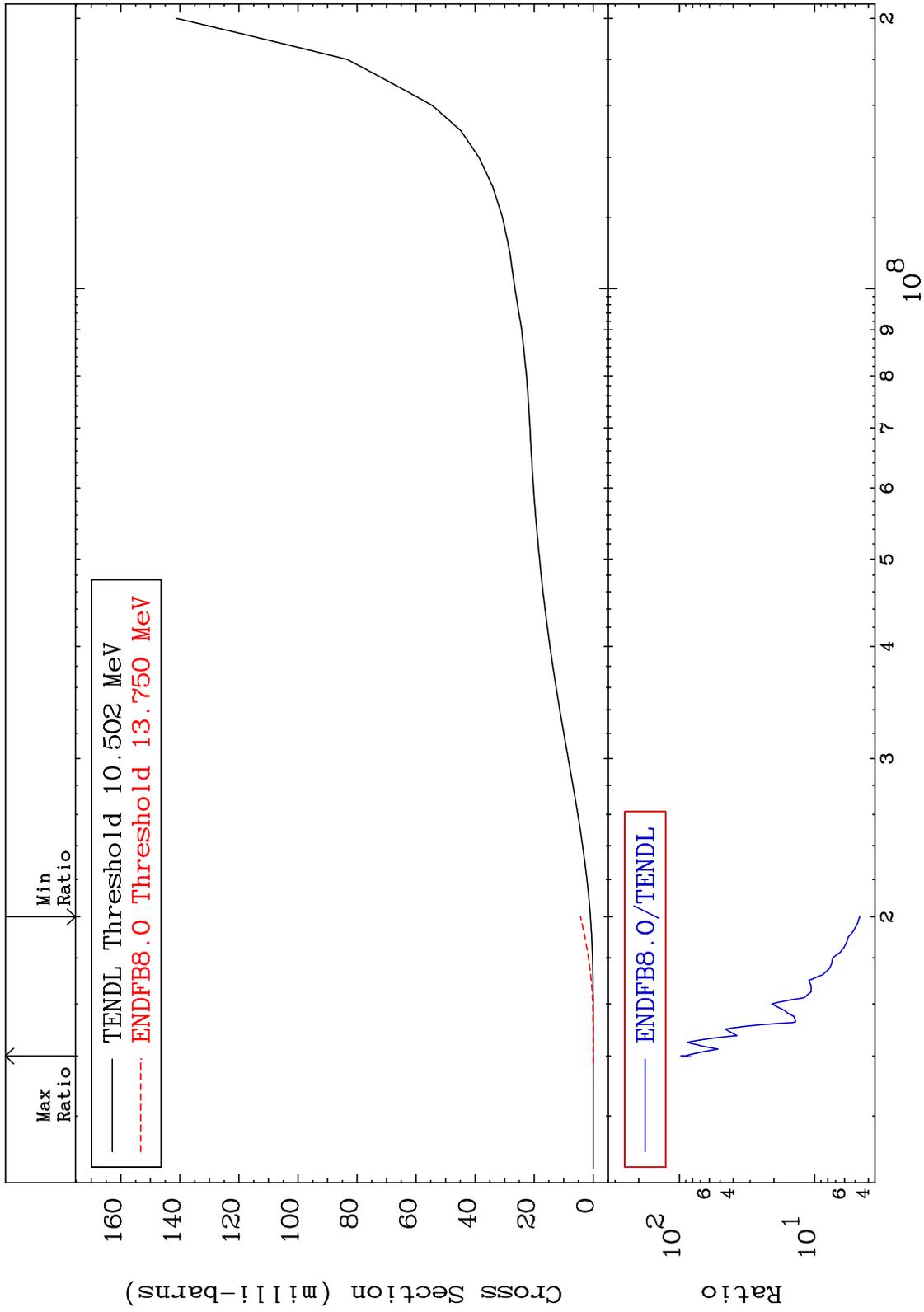


20

Incident Energy (eV)

44-Ru-104

MAT 4449 Tritium Production Cross Section 44-Ru-104 364.2 To 9680. %

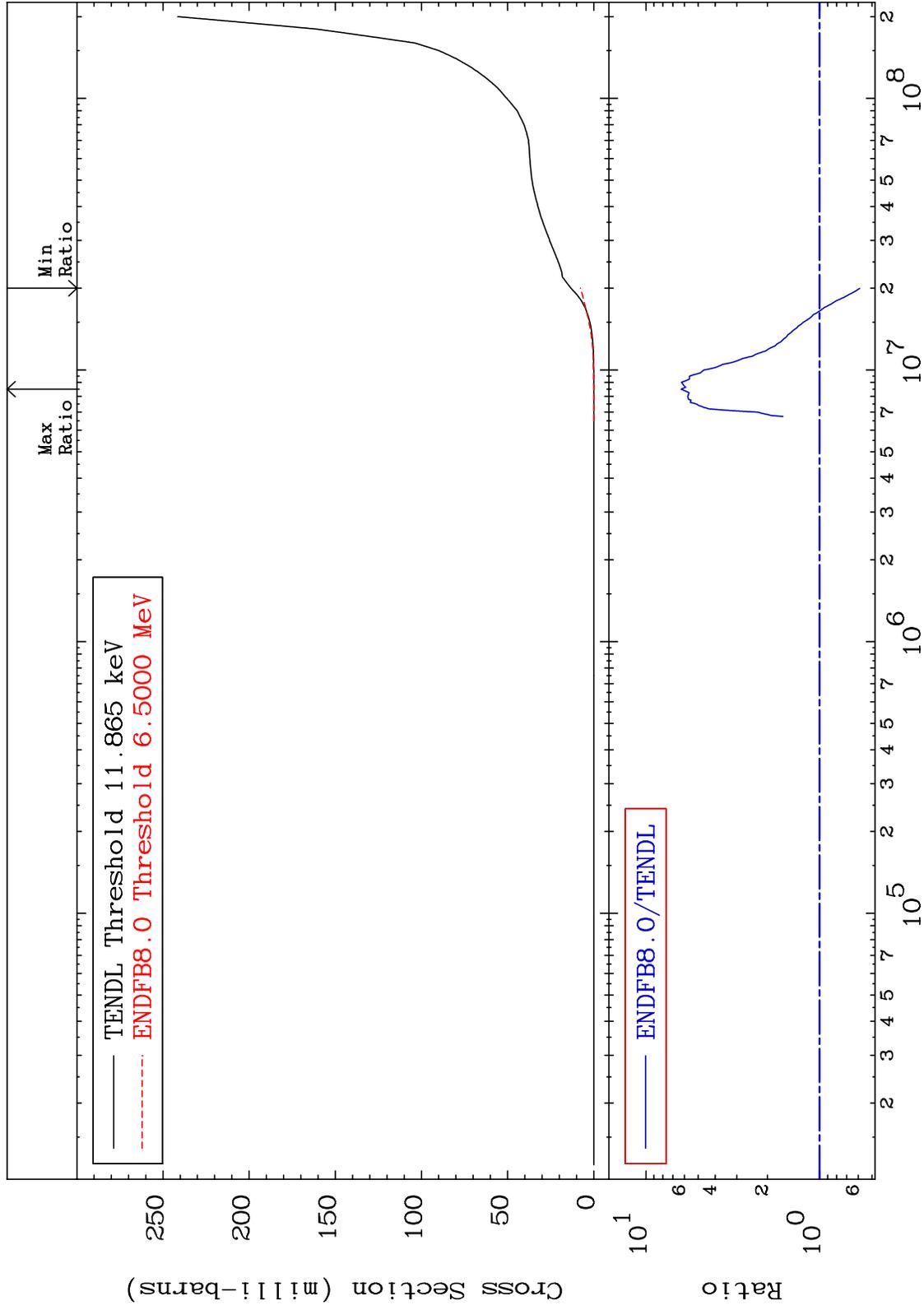


21 44-Ru-104

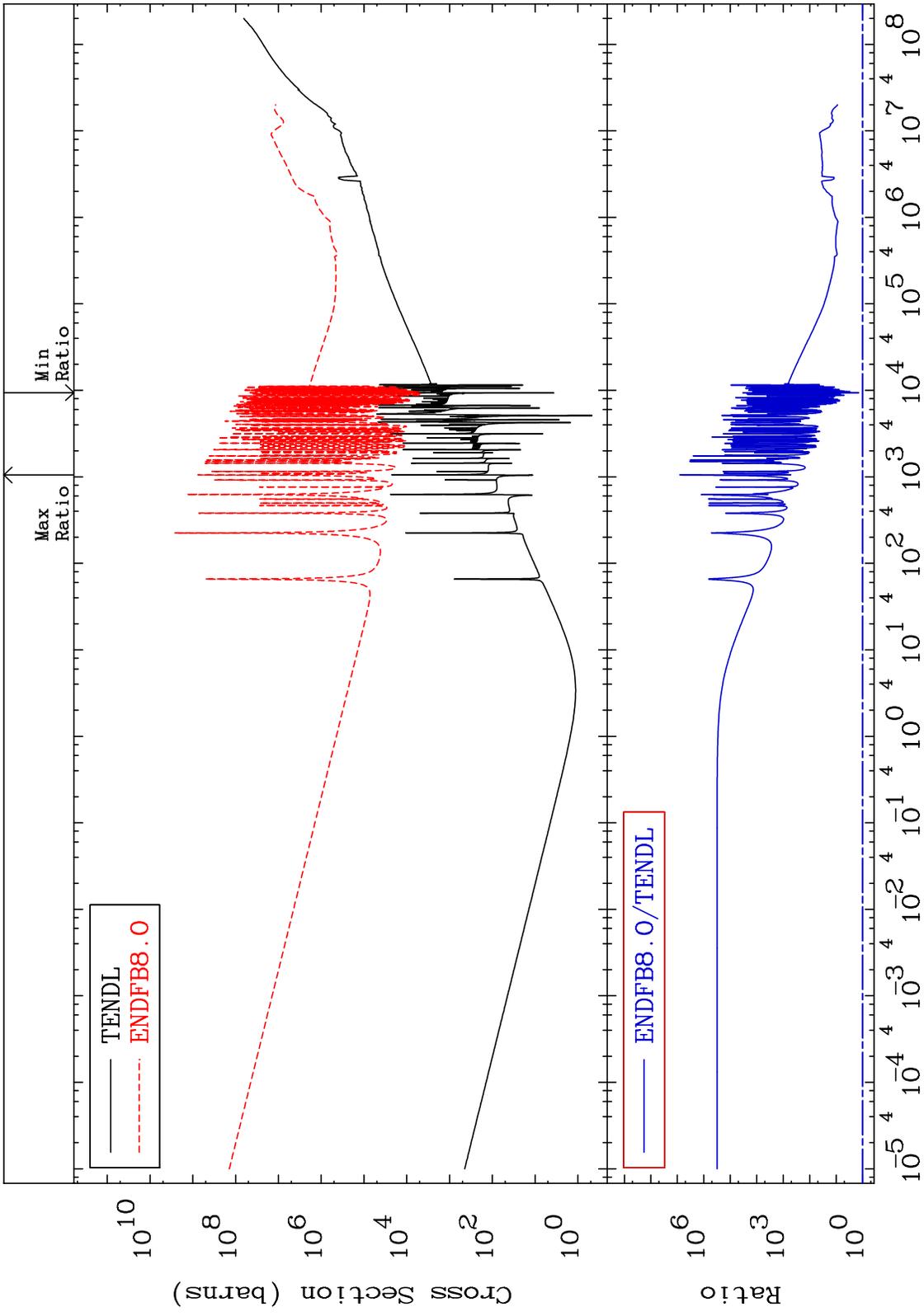
MAT 4449

He-4 Production
Cross Section

44-Ru-104
-41.26 To 527.0 %



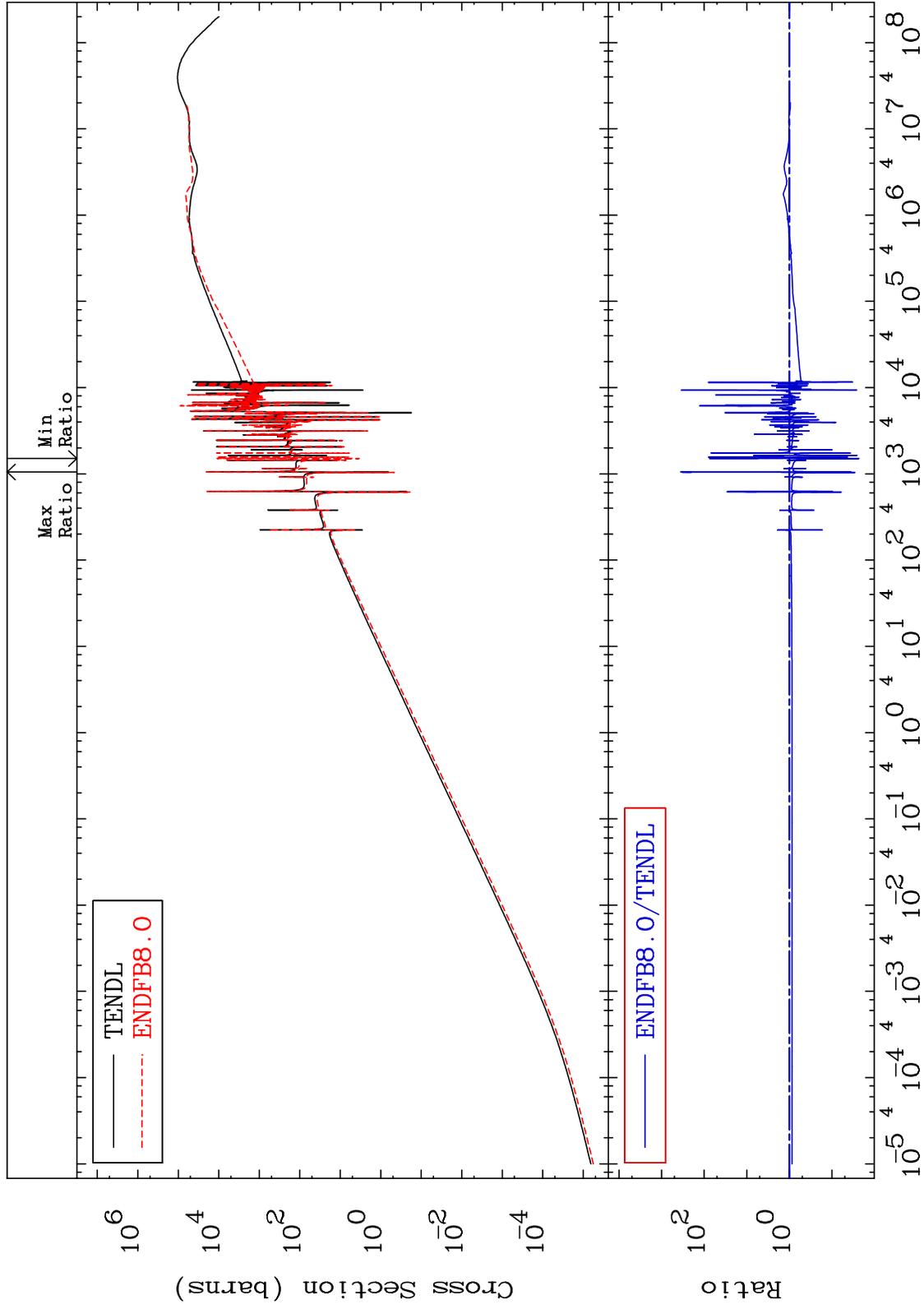
MAT 4449 Kerma total (eV-barns) Cross Section 44-Ru-104 40.75 To 9999. %



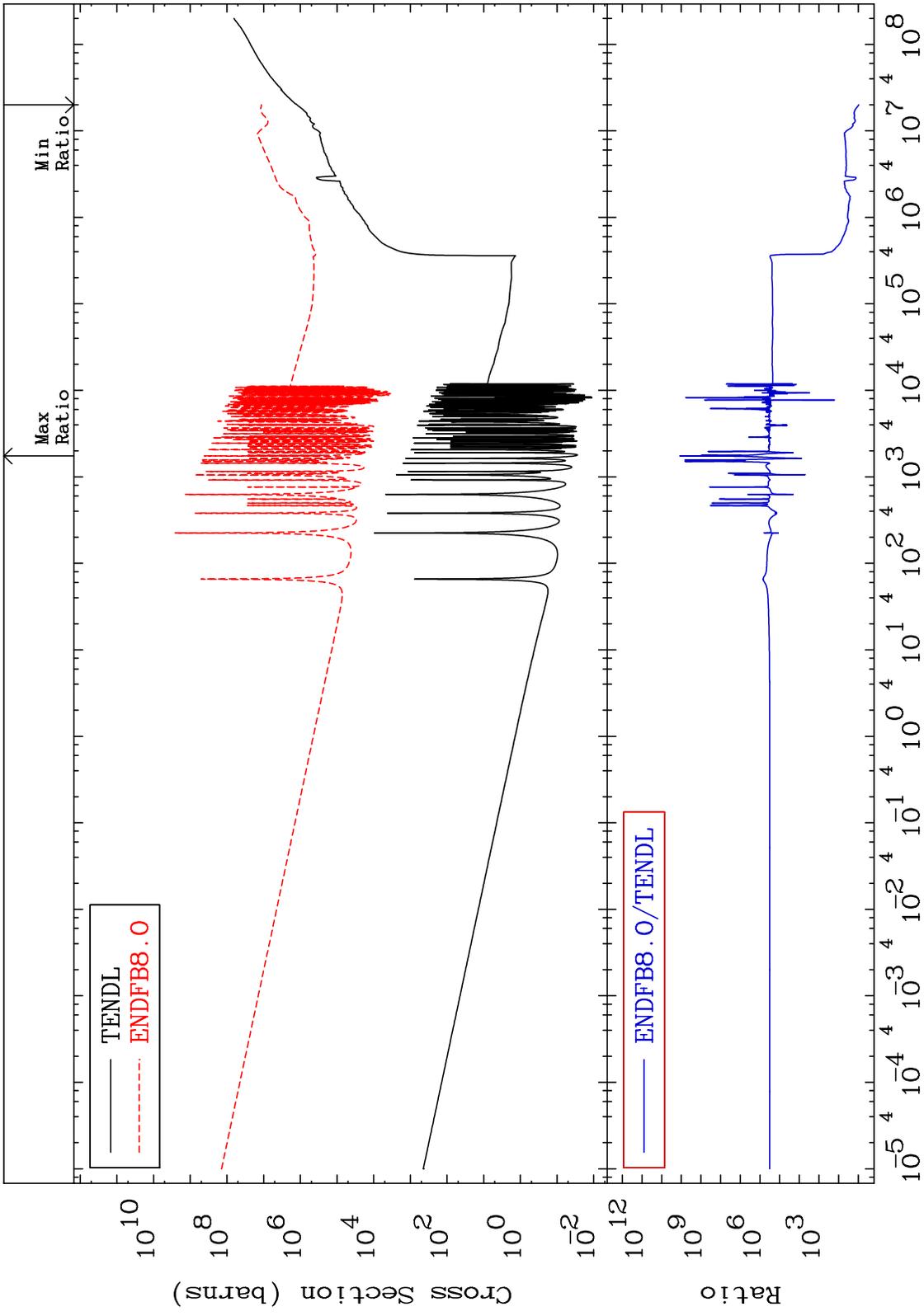
MAT 4449

Kerma elastic
Cross Section

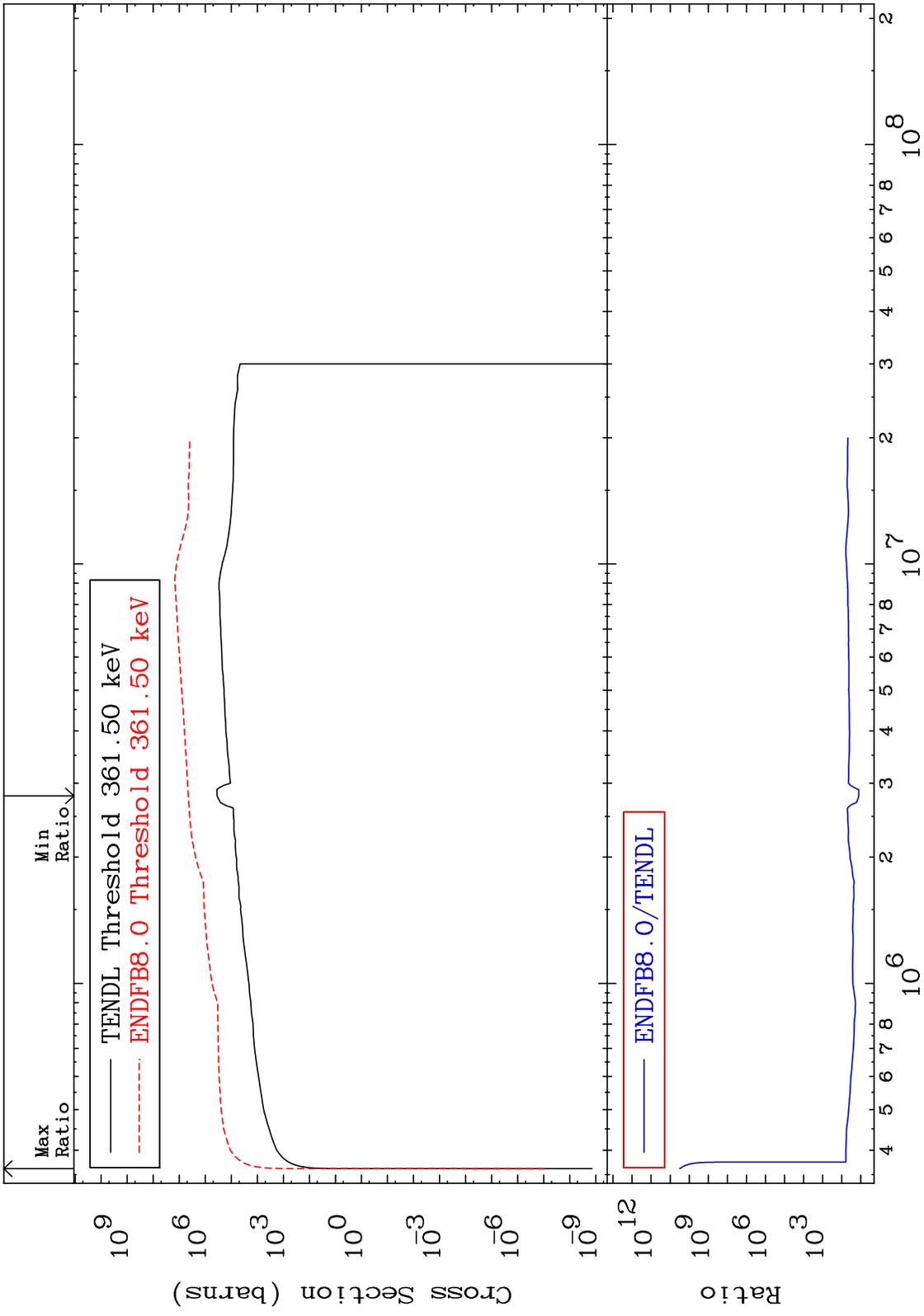
44-Ru-104
-97.68 To 9999. %



MAT 4449 Kerma non-elastic (all but mt2) 44-Ru-104
 Cross Section 838.9 To 9999. %



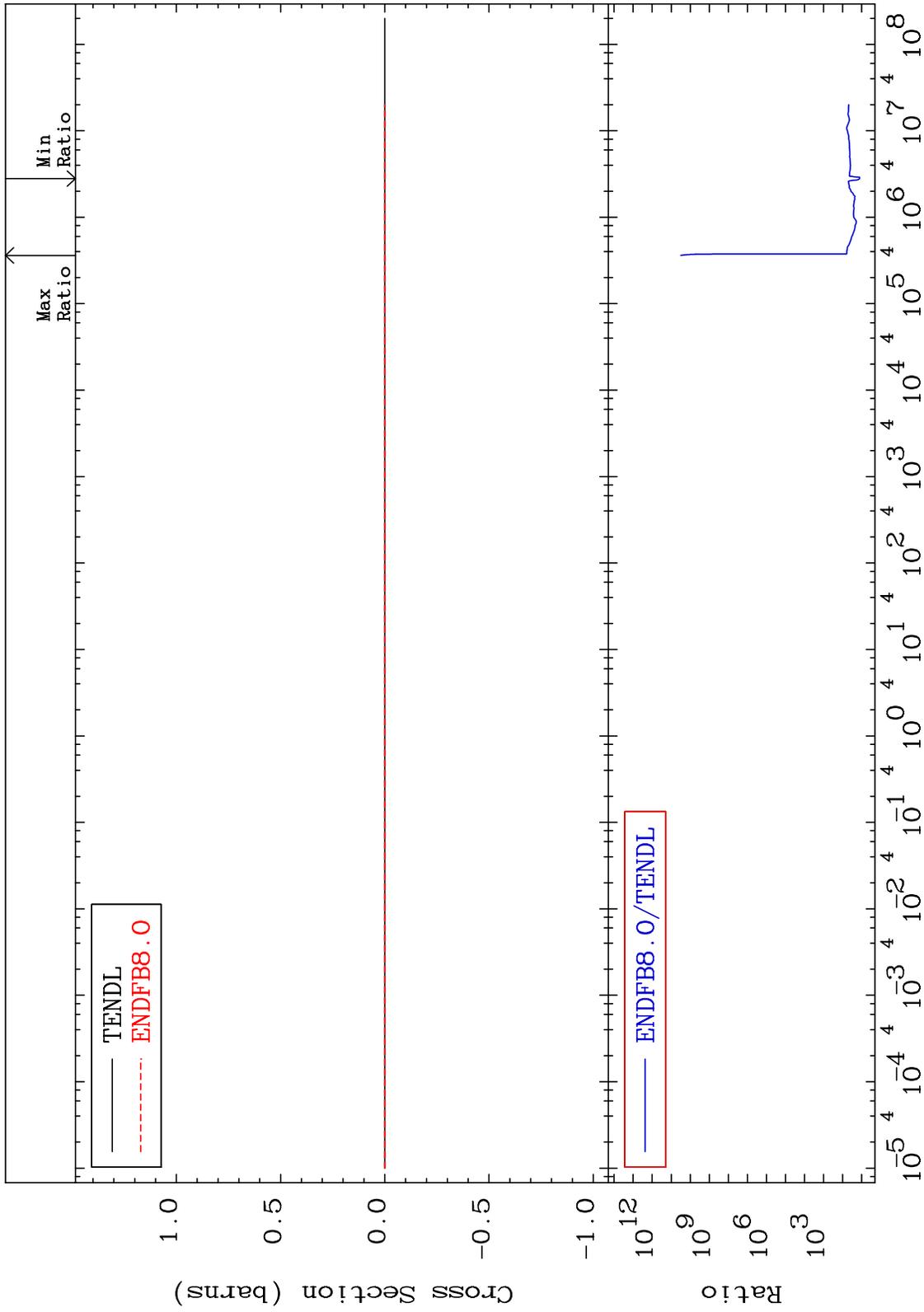
MAT 4449 Kerma inelastic (mt51-91) 44-Ru-104
 Cross Section 1168. To 9999. %



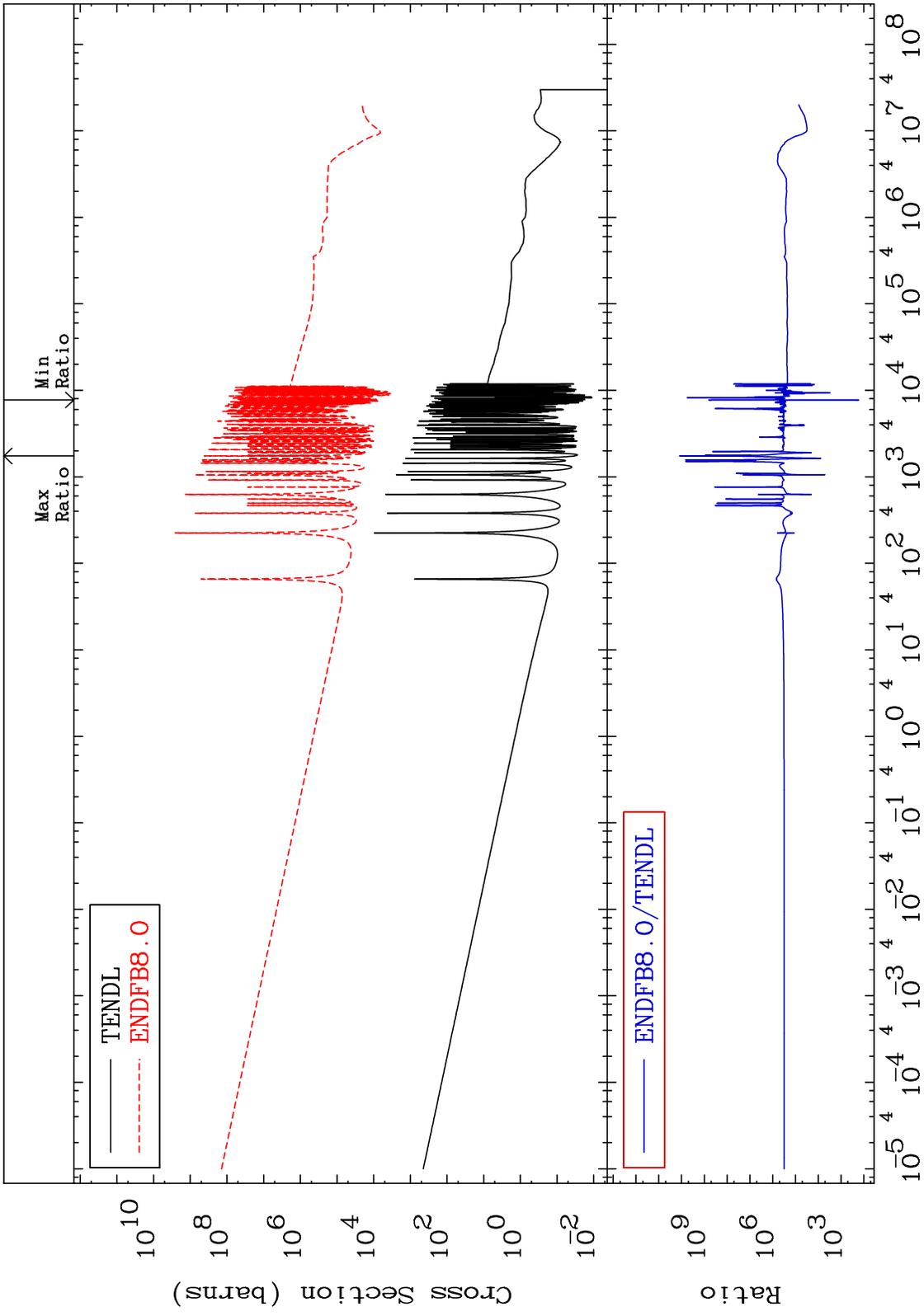
MAT 4449

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

44-Ru-104
1168. To 9999. %



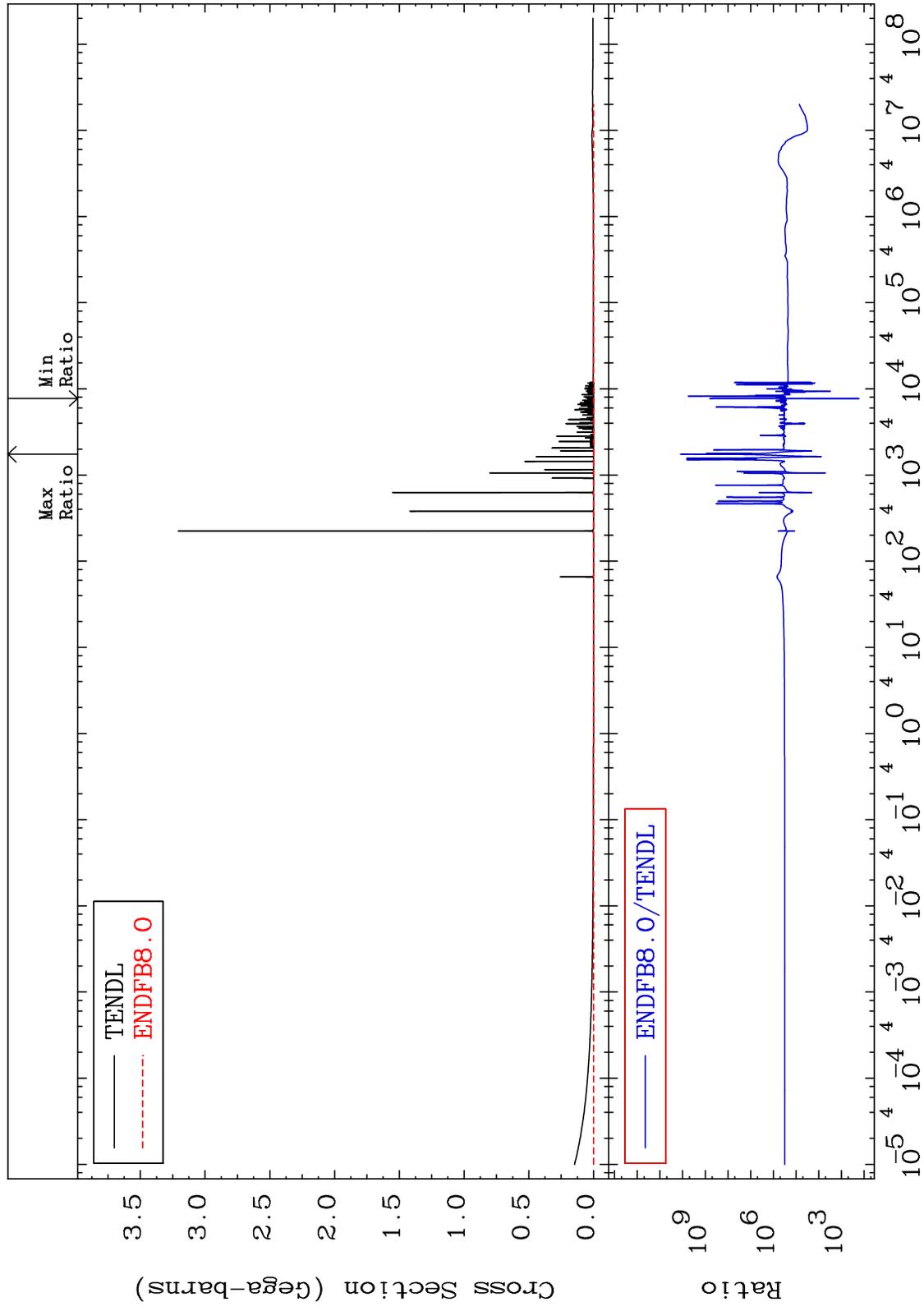
MAT 4449 Kerma capture (mt102) 44-Ru-104 9999. To 9999. %



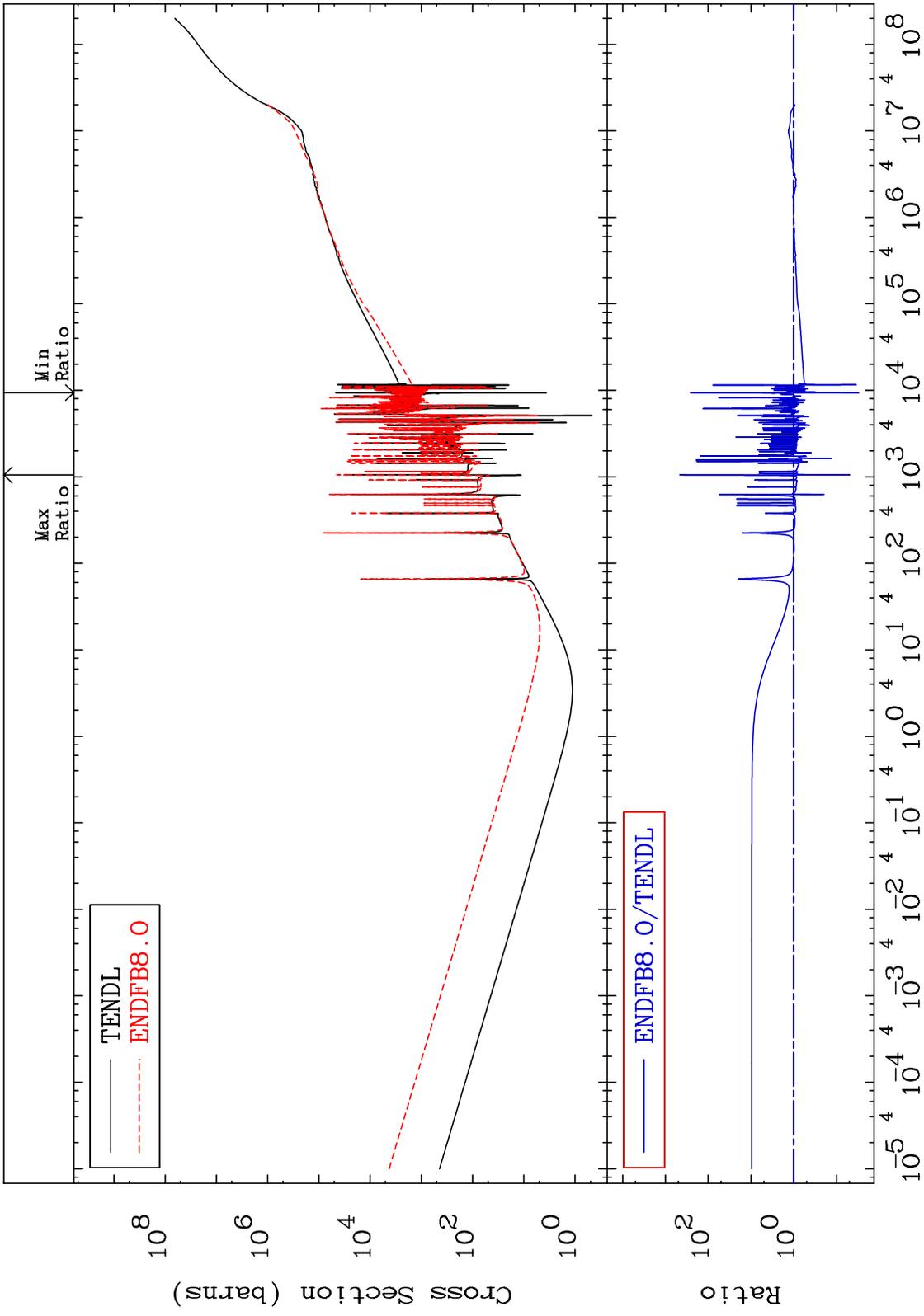
MAT 4449

Total photon (eV-barns)
Cross Section

44-Ru-104
9999. To 9999. %



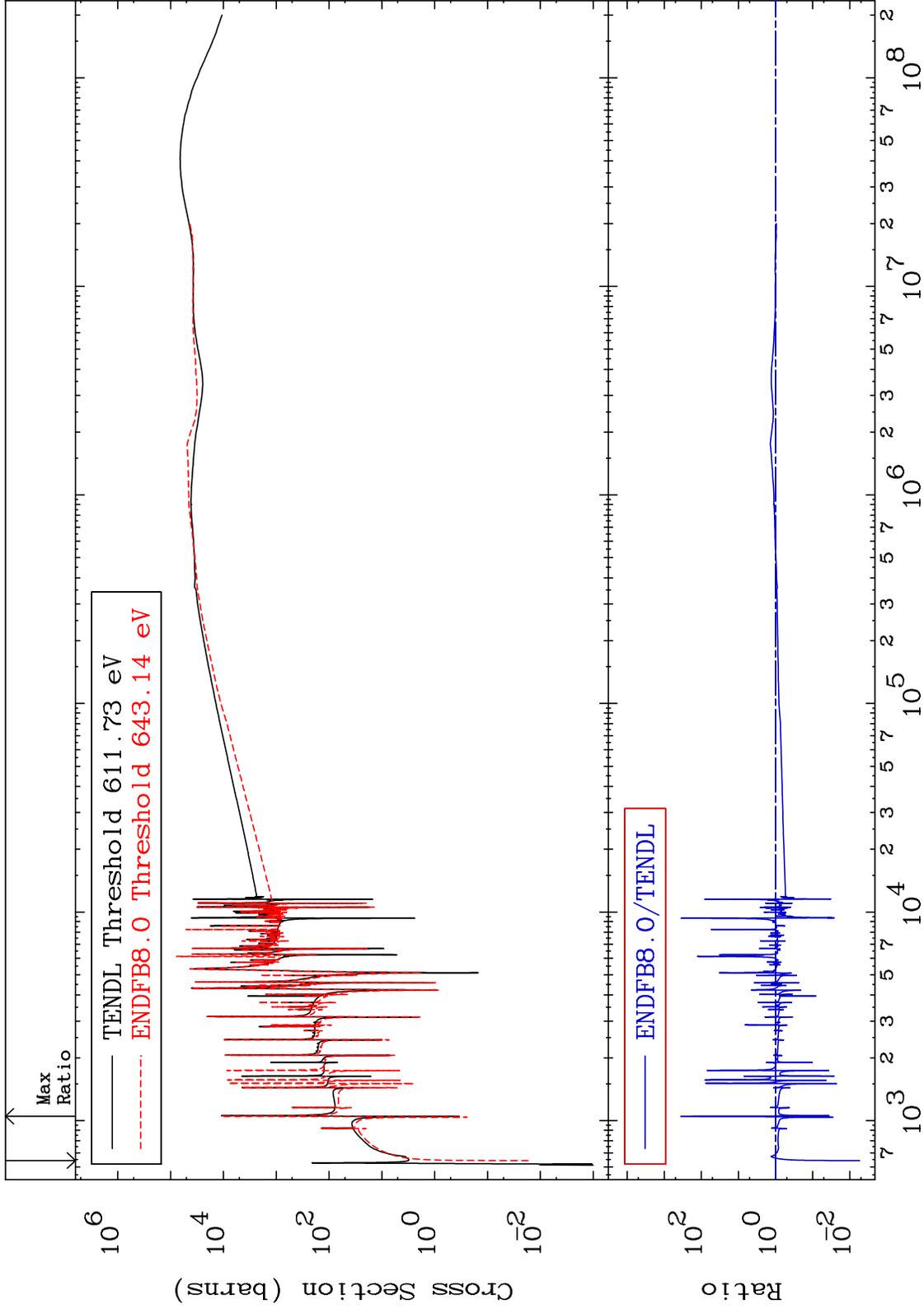
MAT 4449 Total kinematic kerma (high limit) 44-Ru-104
 Cross Section -96.98 To 9999. %

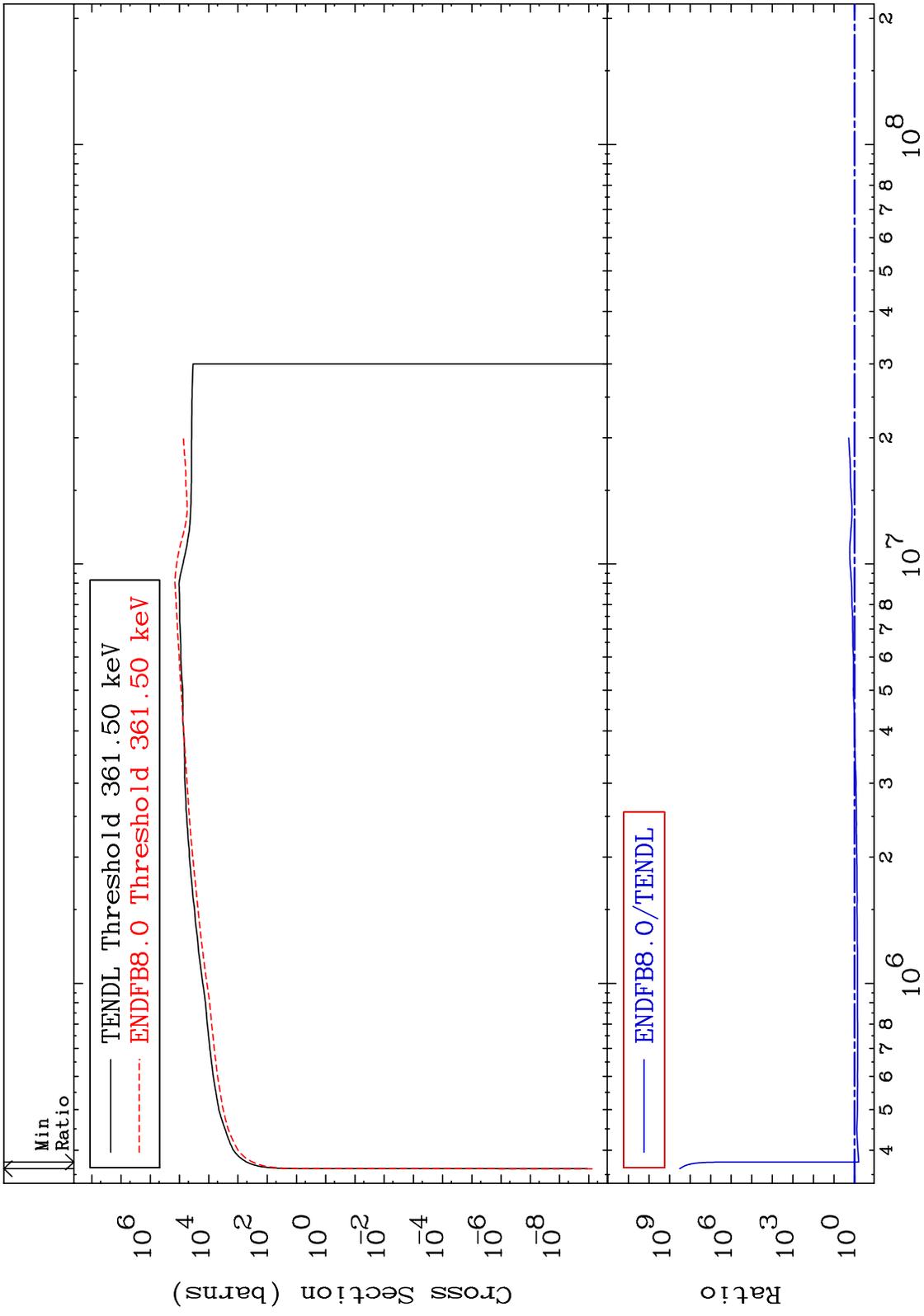


MAT 4449

Dpa elastic (mt2)
Cross Section

44-Ru-104
-99.46 To 9999. %





MAT 4449

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-104
-99.05 To 9999. %

