

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

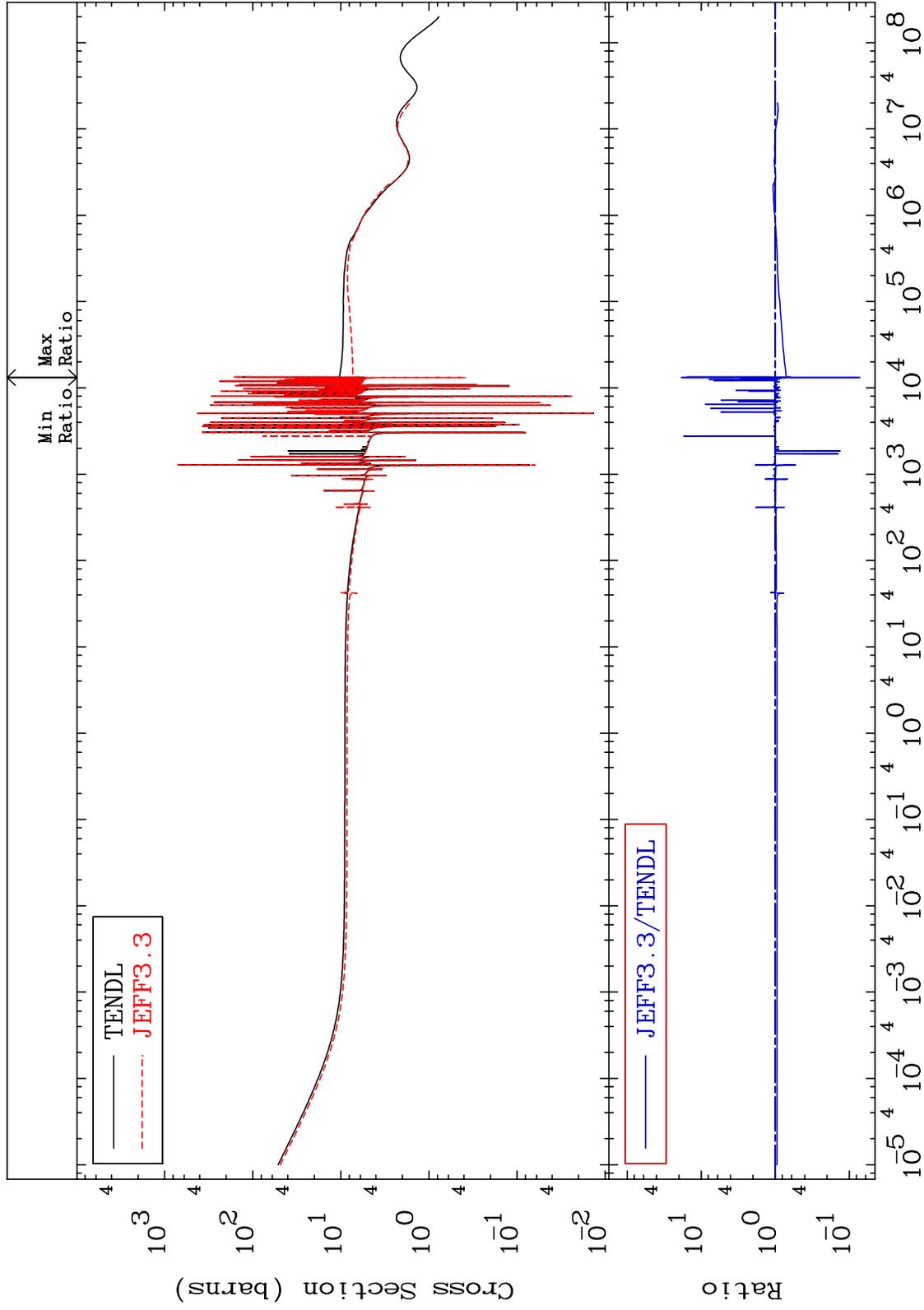
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4443

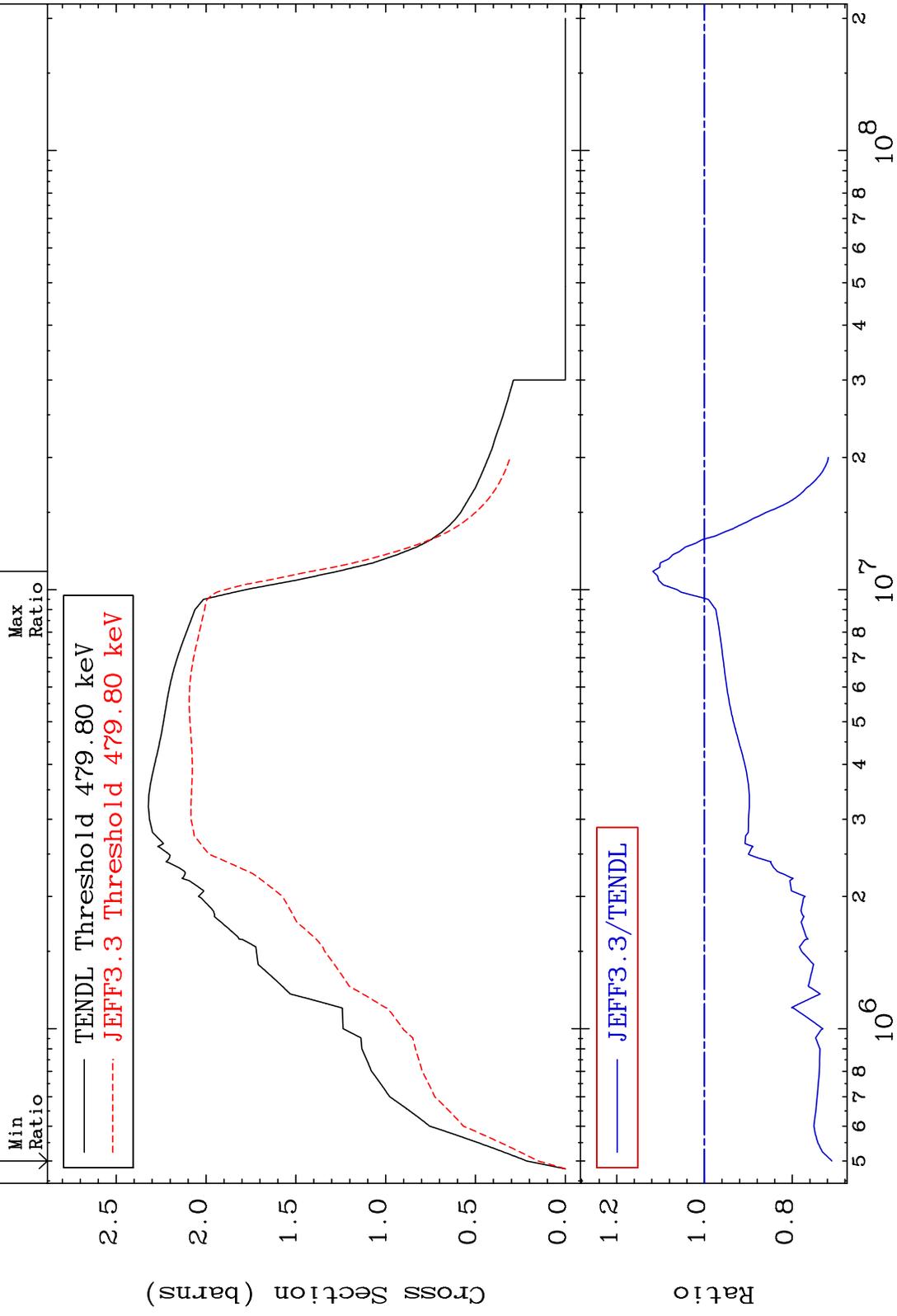
Elastic
Cross Section

44-Ru-102
-92.81 To 1759. %



MAT 4443 44-Ru-102 -29.02 To 11.75 %

Inelastic Cross Section



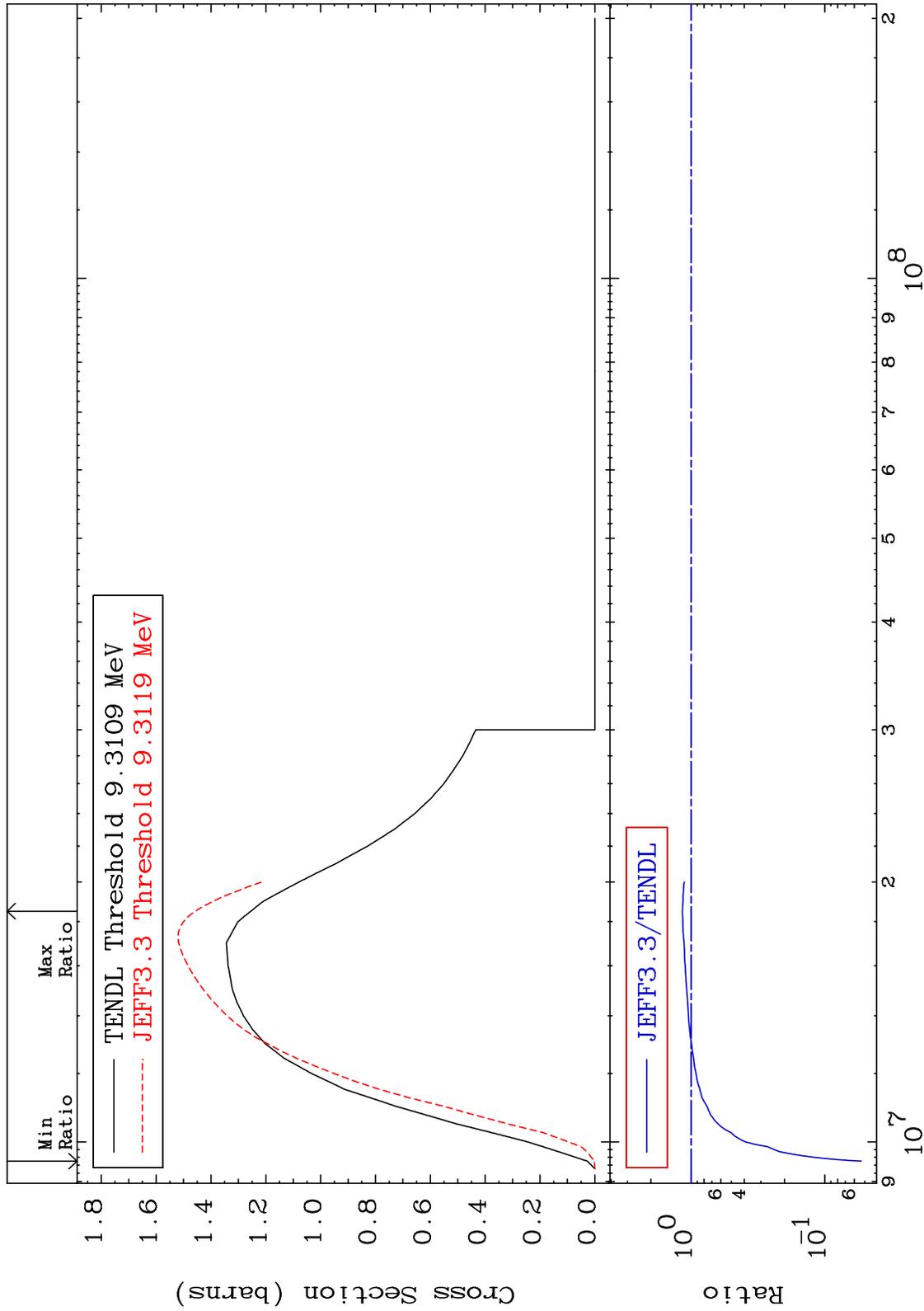
MAT 4443

(n,2n)

44-Ru-102

Cross Section

-94.68 To 16.21 %

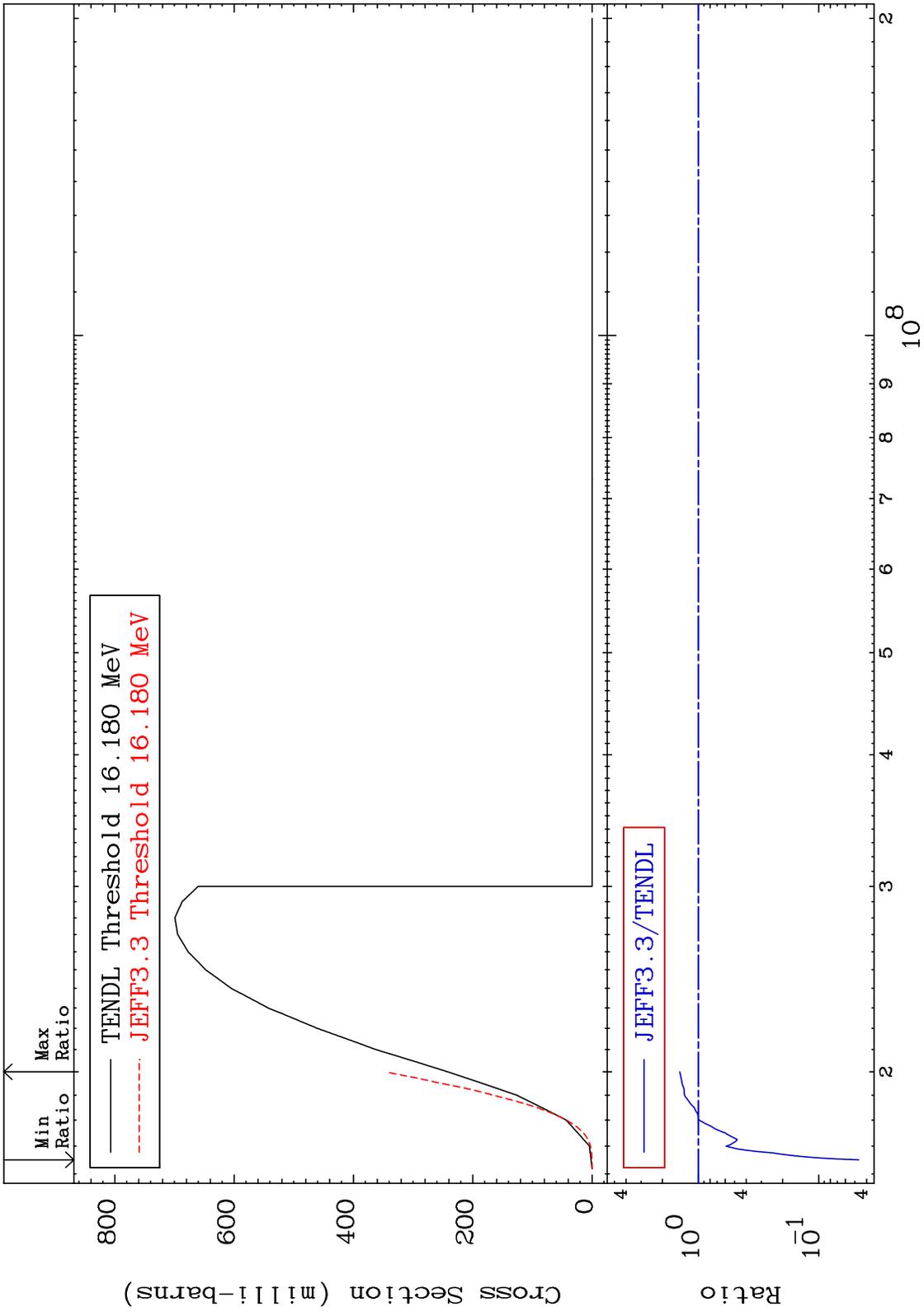


4

Incident Energy (eV)

44-Ru-102

MAT 4443 (n,3n) Cross Section 44-Ru-102 -95.36 To 43.21 %



5 Incident Energy (eV) 44-Ru-102

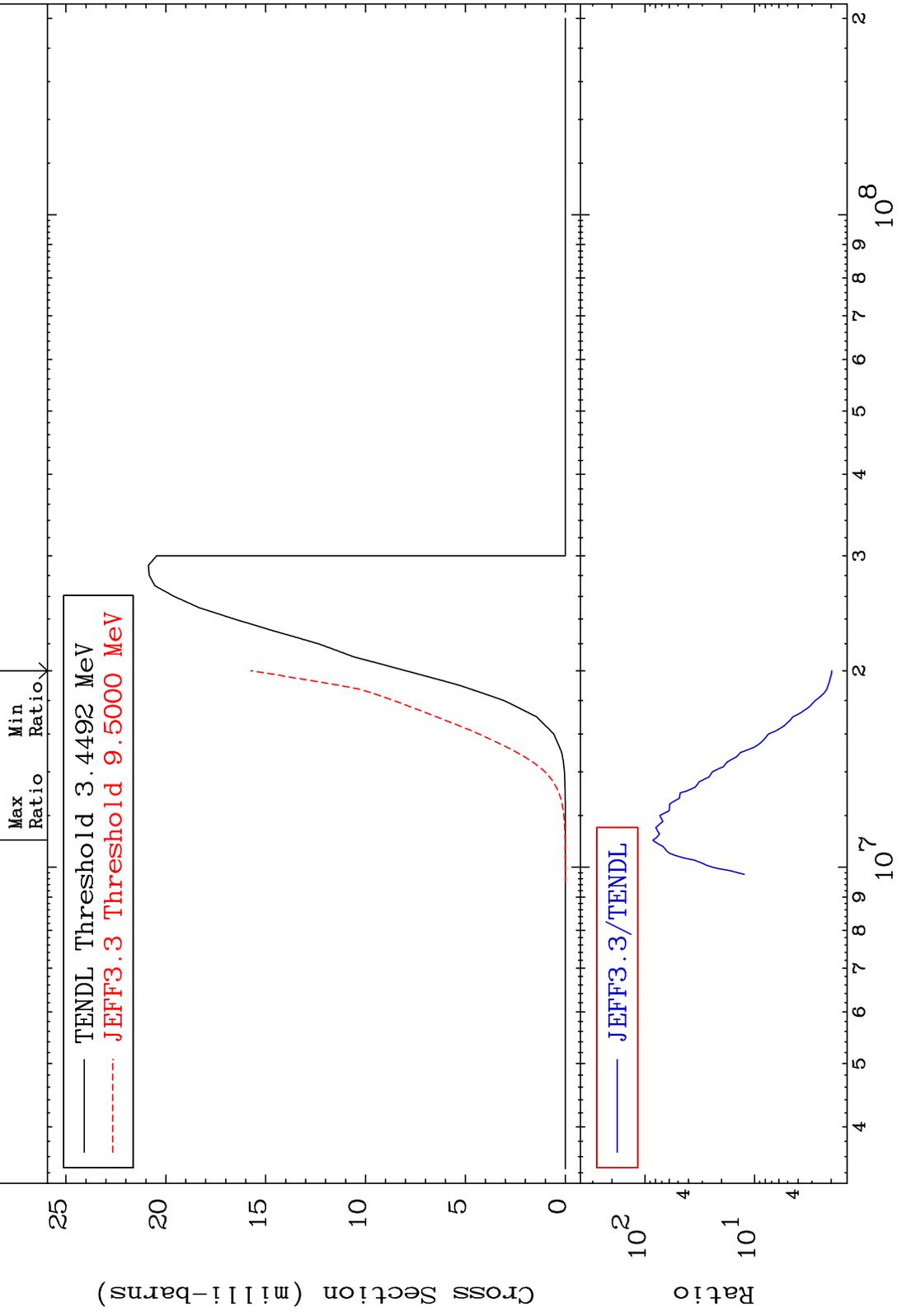
MAT 4443

(n, n') α

44-Ru-102

97.31 To 8357. %

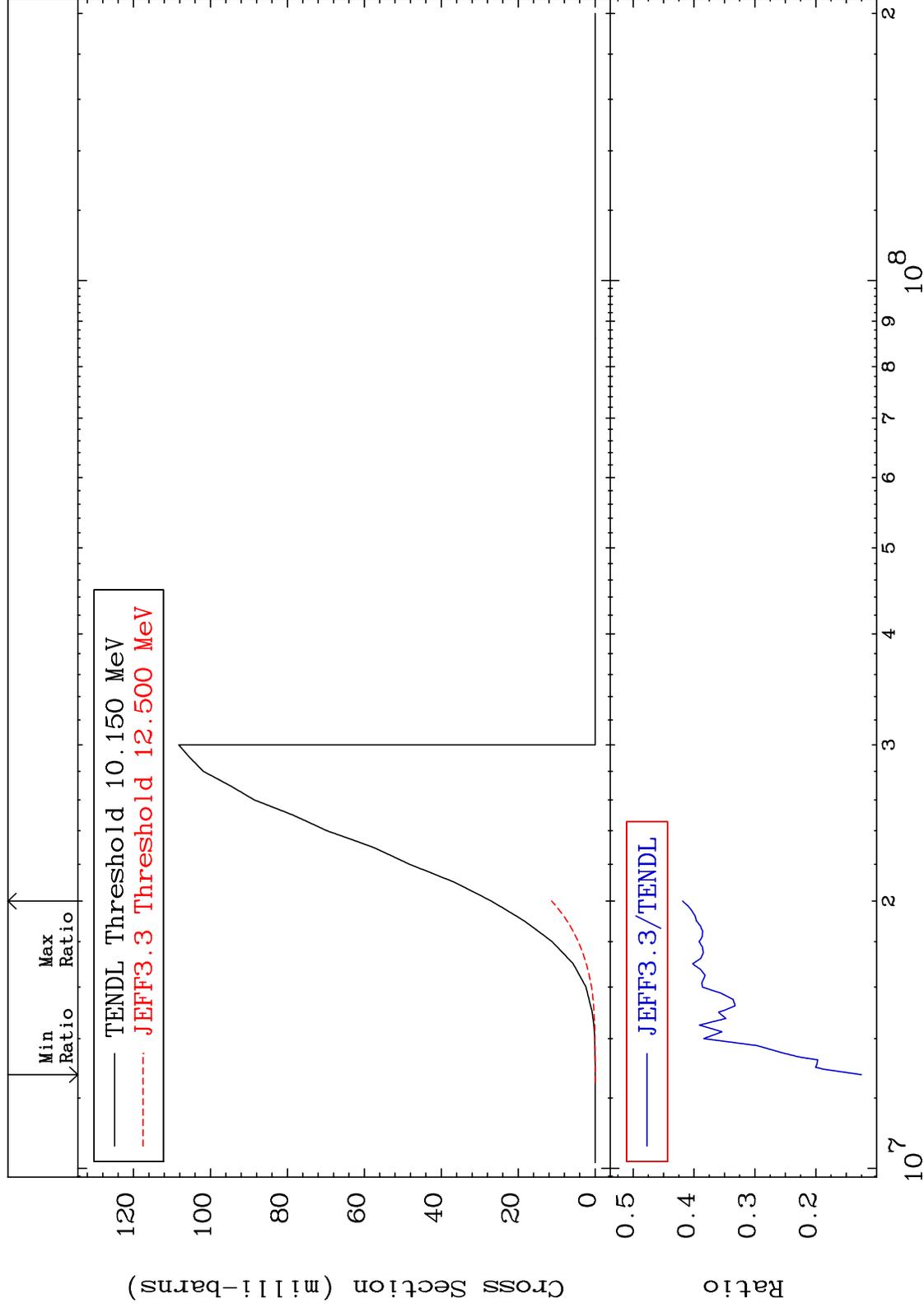
Cross Section



MAT 4443

(n, n') p
Cross Section

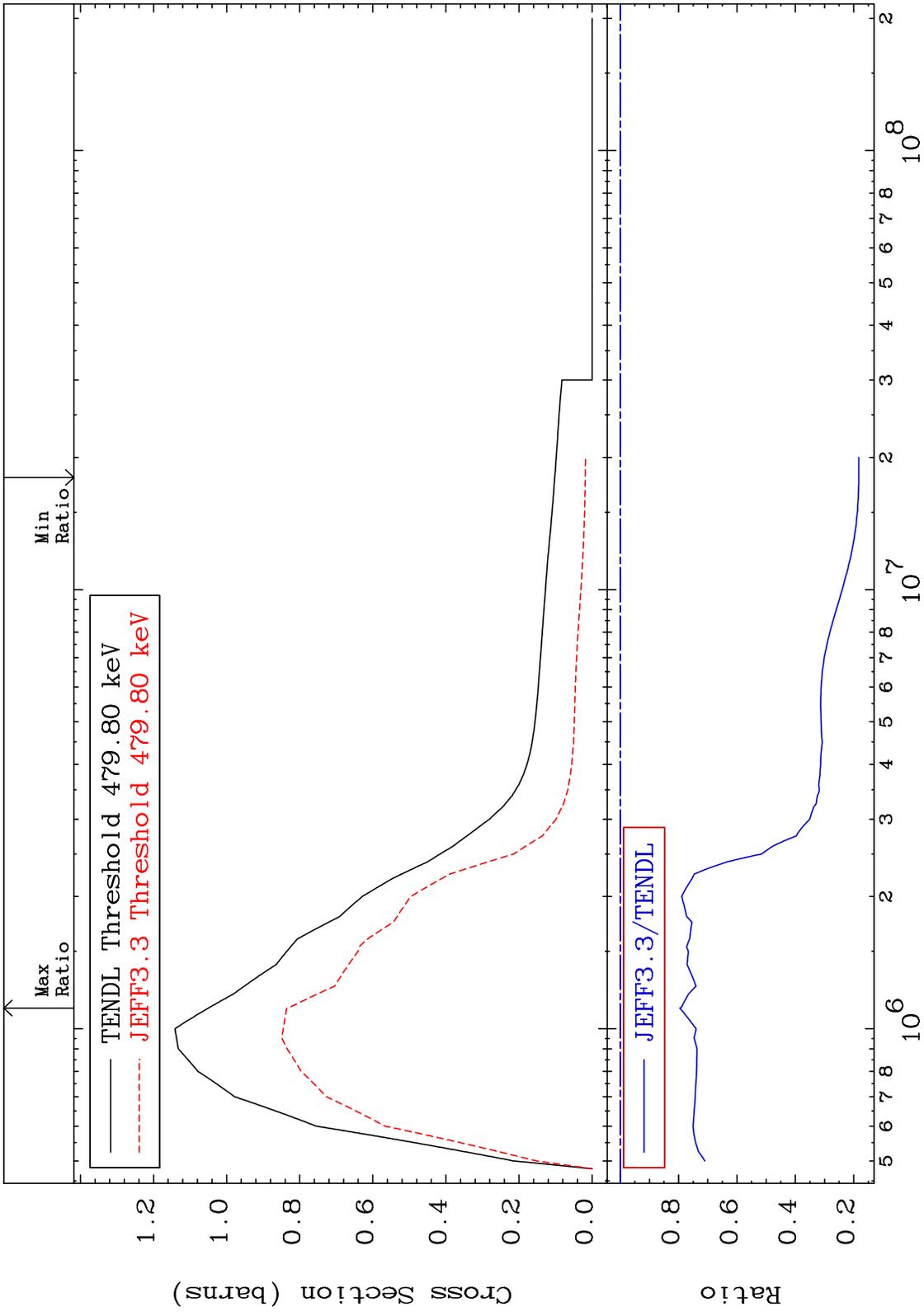
44-Ru-102
-87.48 To -58.13%



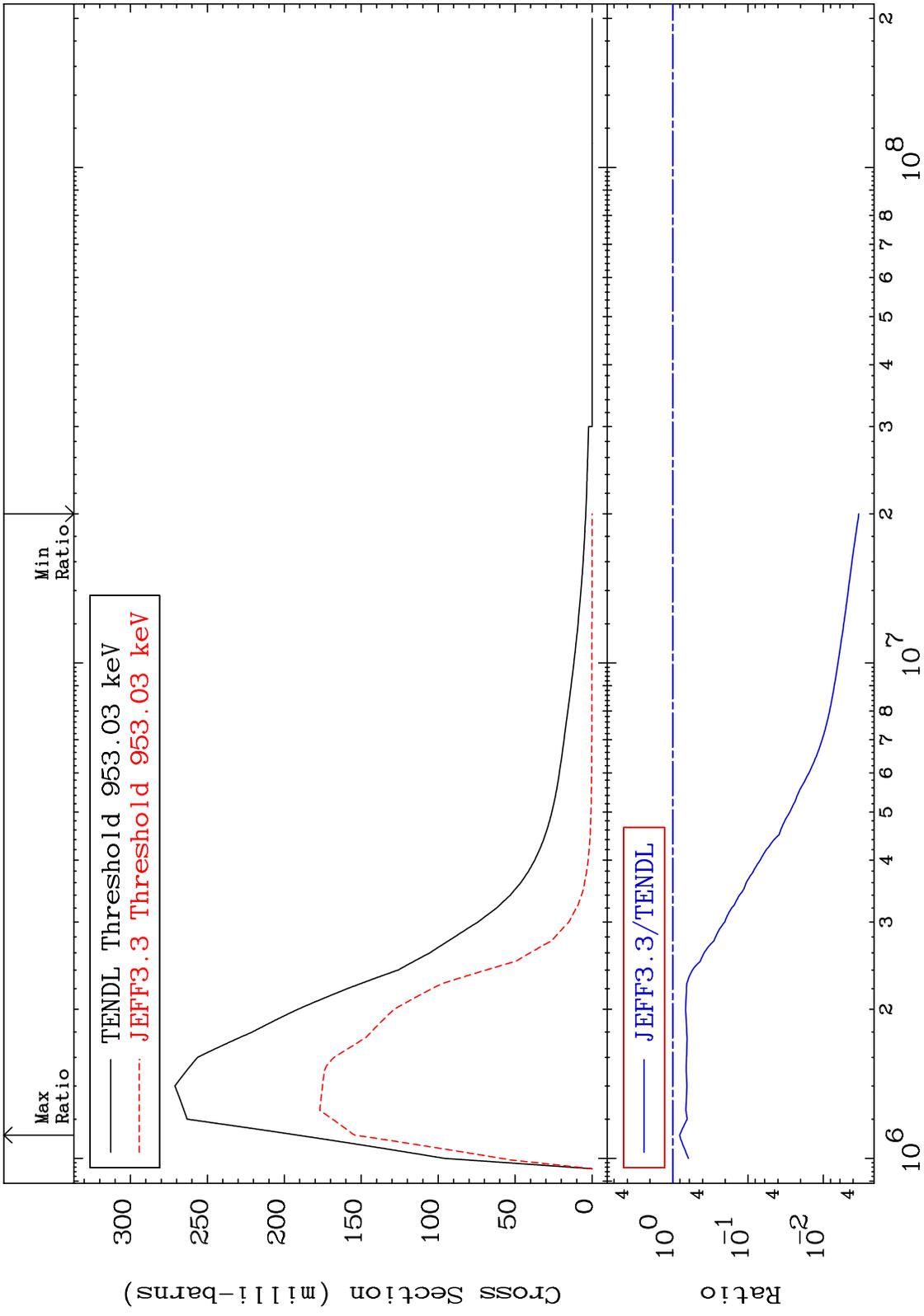
Incident Energy (eV)

44-Ru-102

MAT 4443 MT= 51 (n,n') Level Cross Section 44-Ru-102 -81.75 To -20.40%

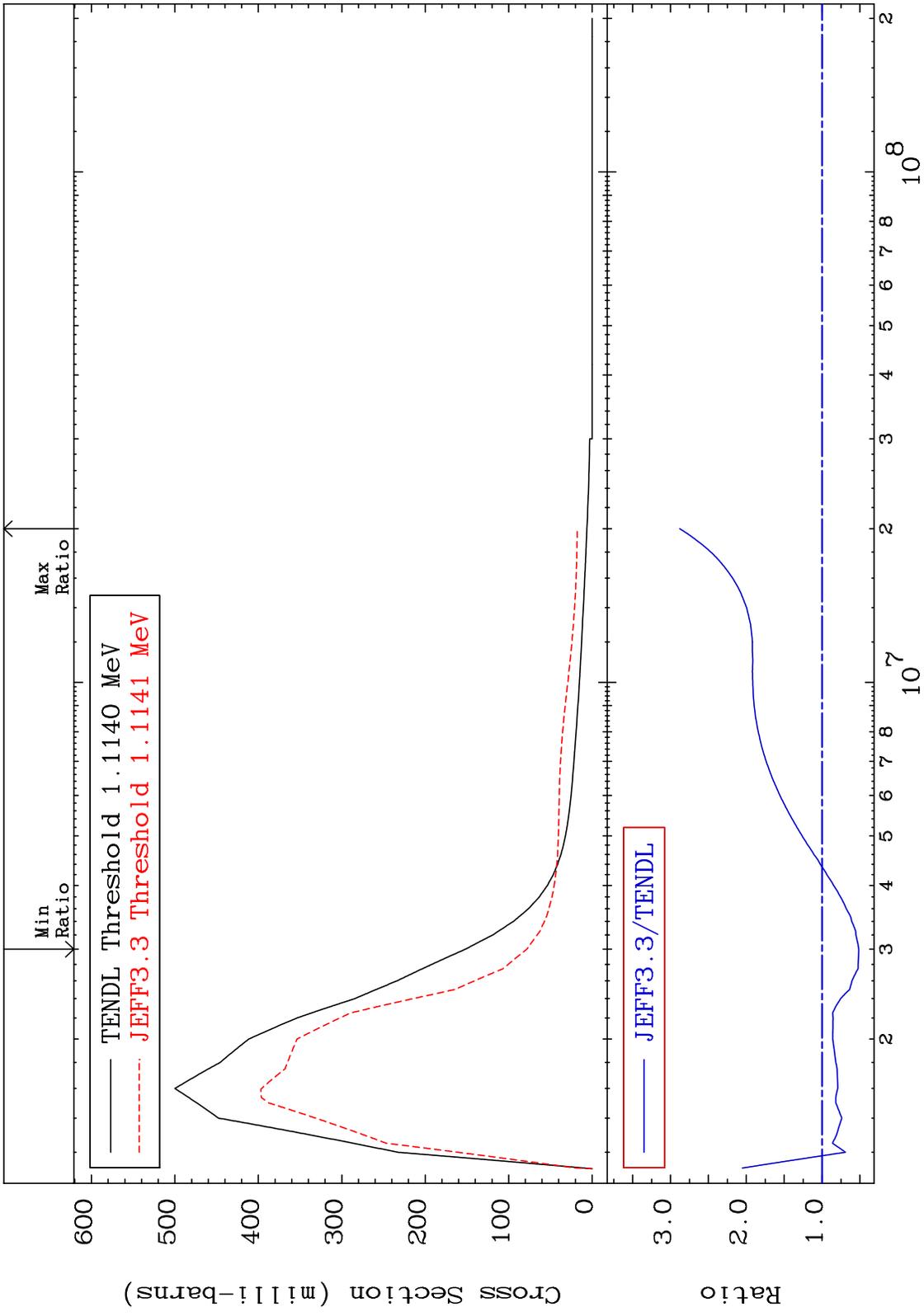


MAT 4443 MT= 52 (n,n') Level 44-Ru-102
 Cross Section -99.66 To -19.53%



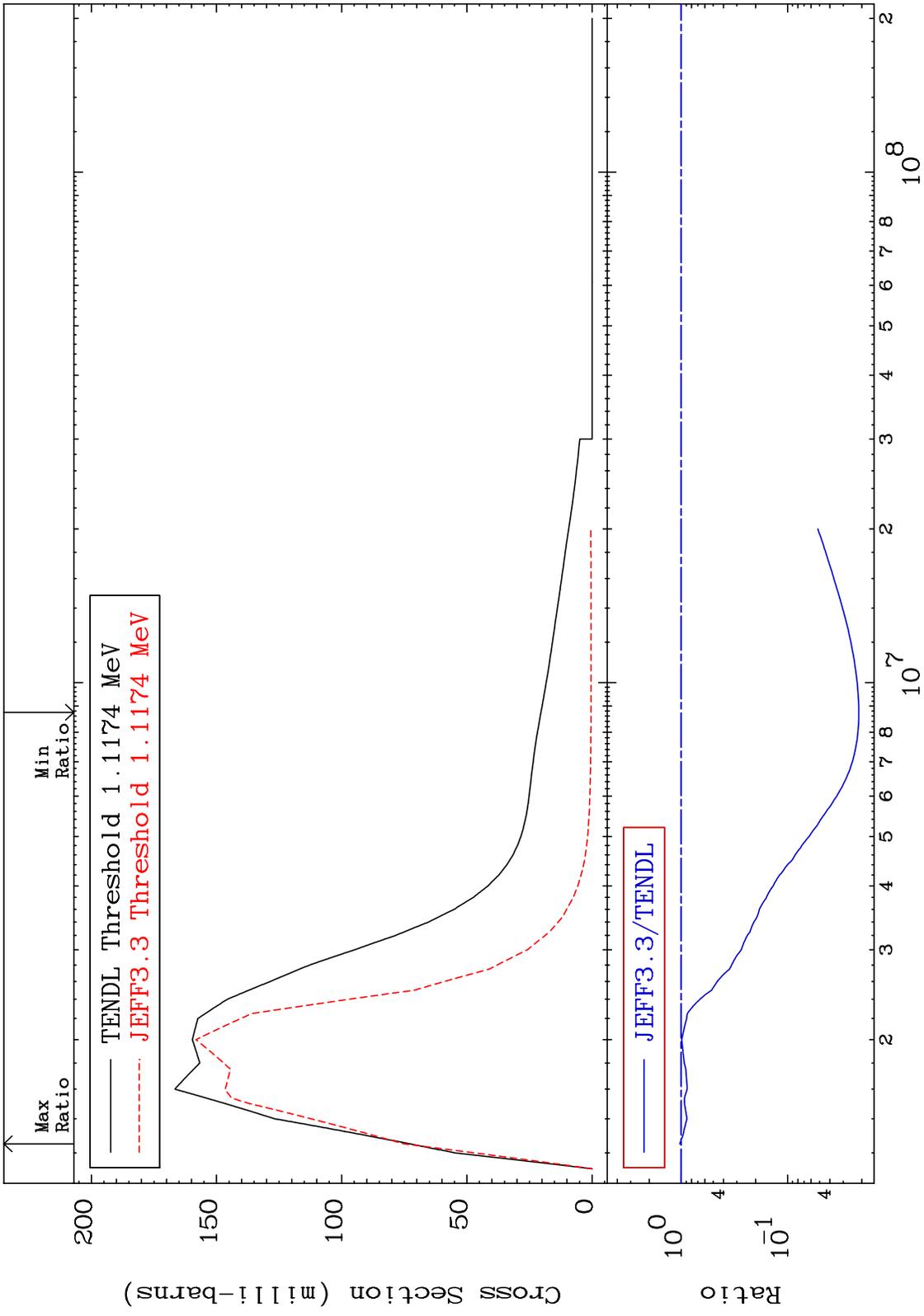
9 10⁶ 10⁷ 10⁸ 44-Ru-102

MAT 4443 MT= 53 (n, n') Level Cross Section 44-Ru-102 -48.51 To 187.9 %



10 Incident Energy (eV) 44-Ru-102

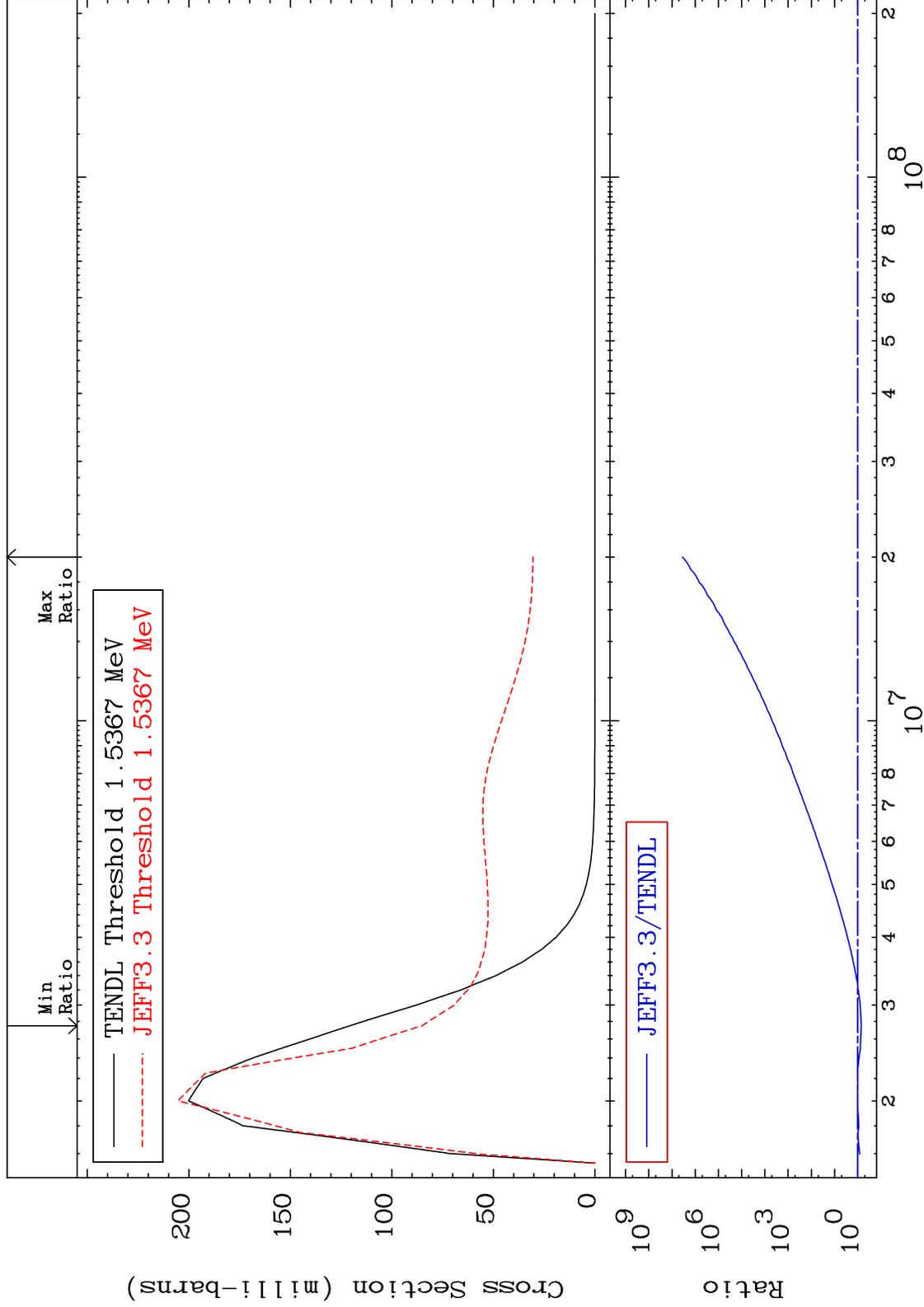
MAT 4443 MT= 54 (n,n') Level Cross Section 44-Ru-102 -97.86 To 3.392 %



MAT 4443

MT= 55 (n,n') Level
Cross Section

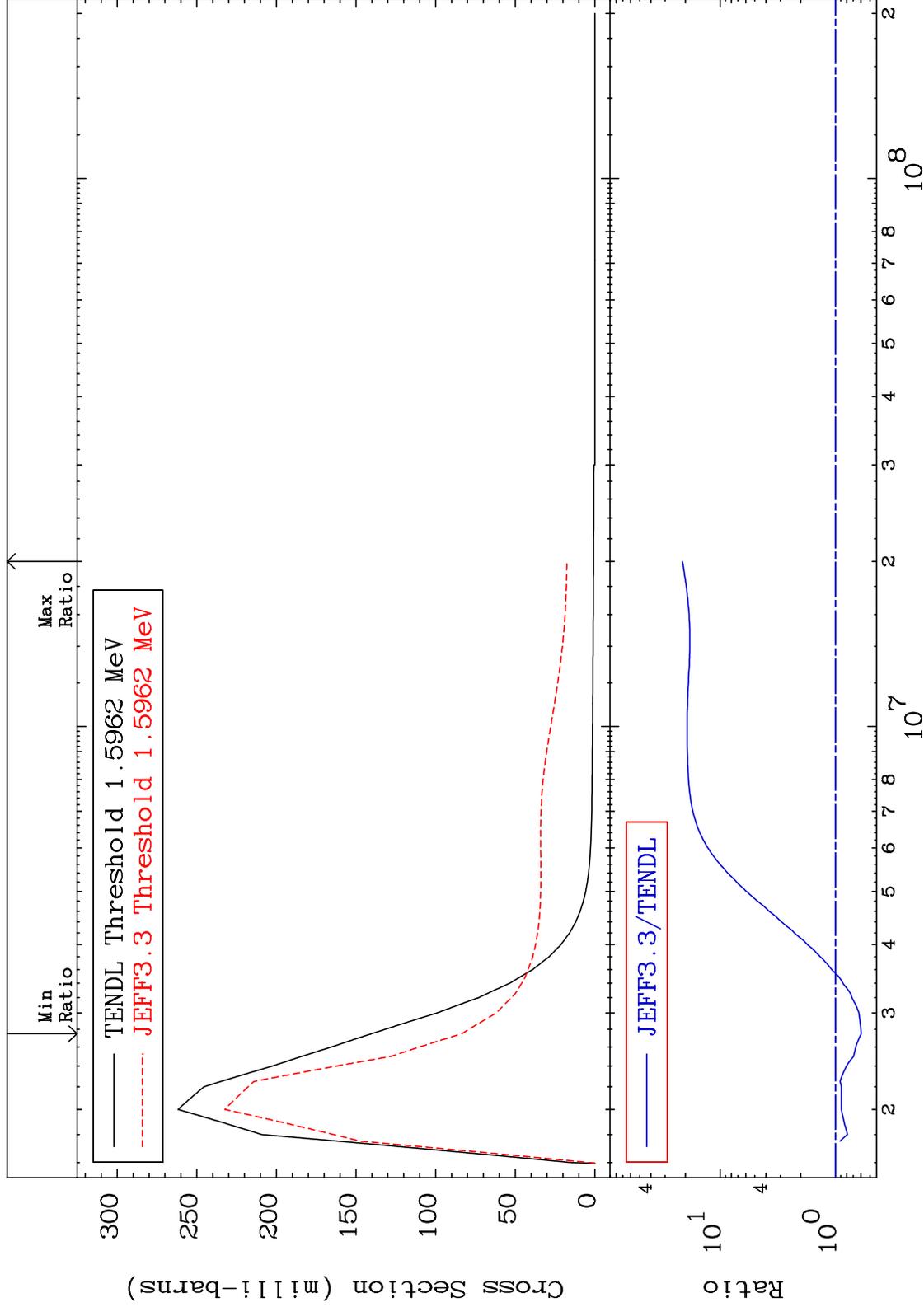
44-Ru-102
-29.53 To 9999. %



MAT 4443

MT= 56 (n,n') Level
Cross Section

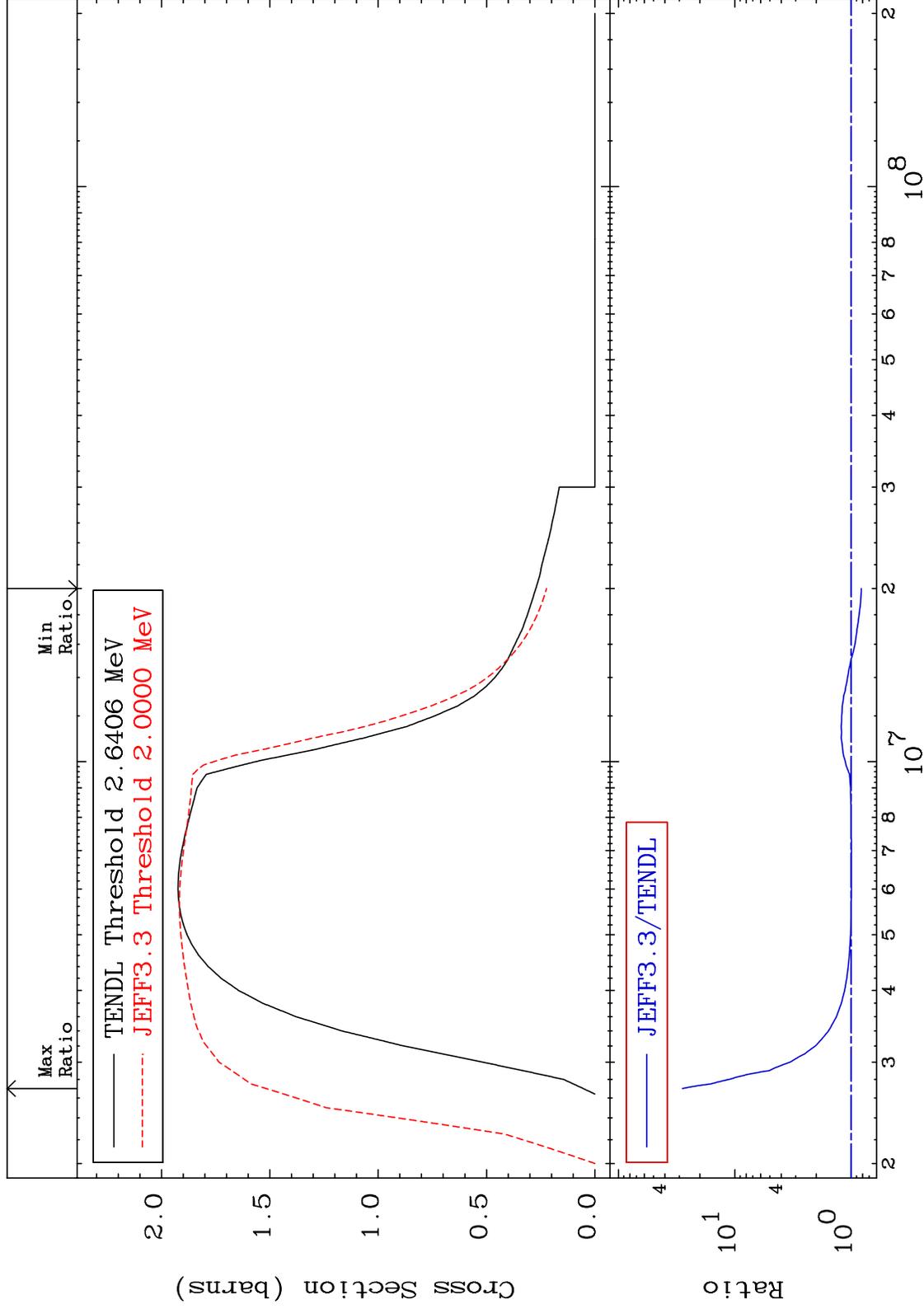
44-Ru-102
-40.46 To 2026. %



MAT 4443

(n, n') Continuum
Cross Section

44-Ru-102
-18.14 To 2722. %



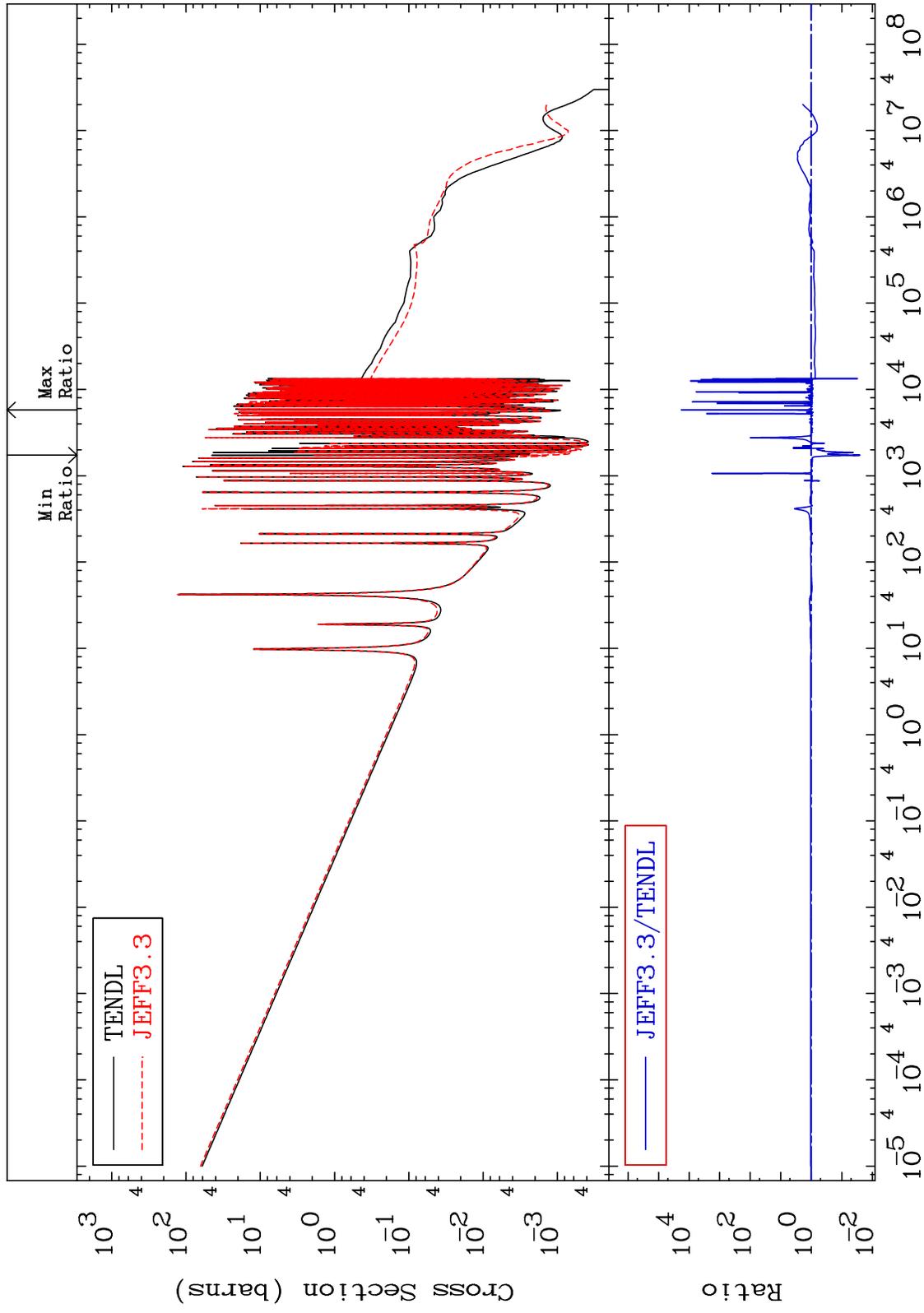
MAT 4443

(n, γ)

44-Ru-102

-97.41 To 9999. %

Cross Section



15

Incident Energy (eV)

44-Ru-102

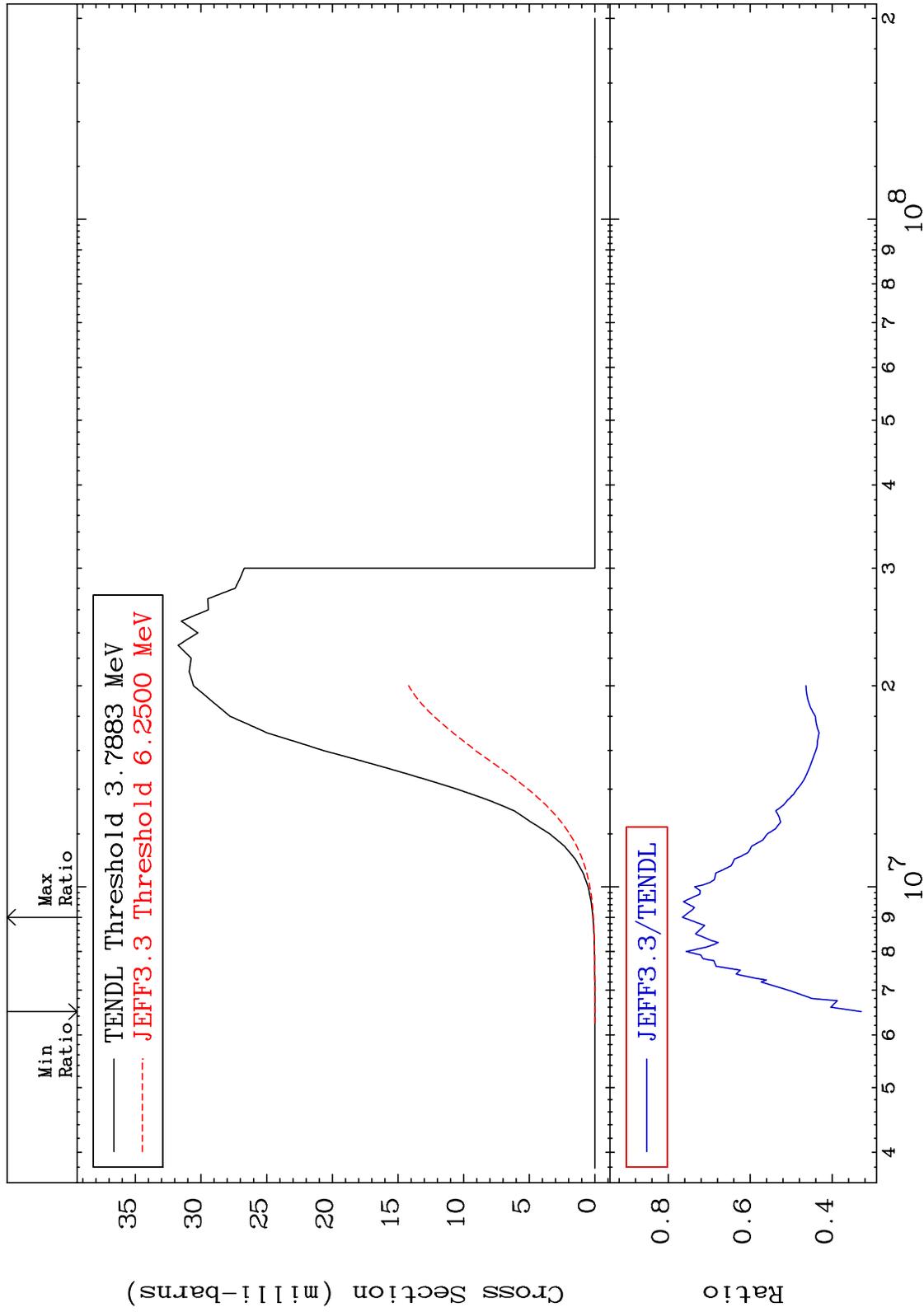
MAT 4443

(n,p)

44-Ru-102

Cross Section

-67.11 To -23.45%



16

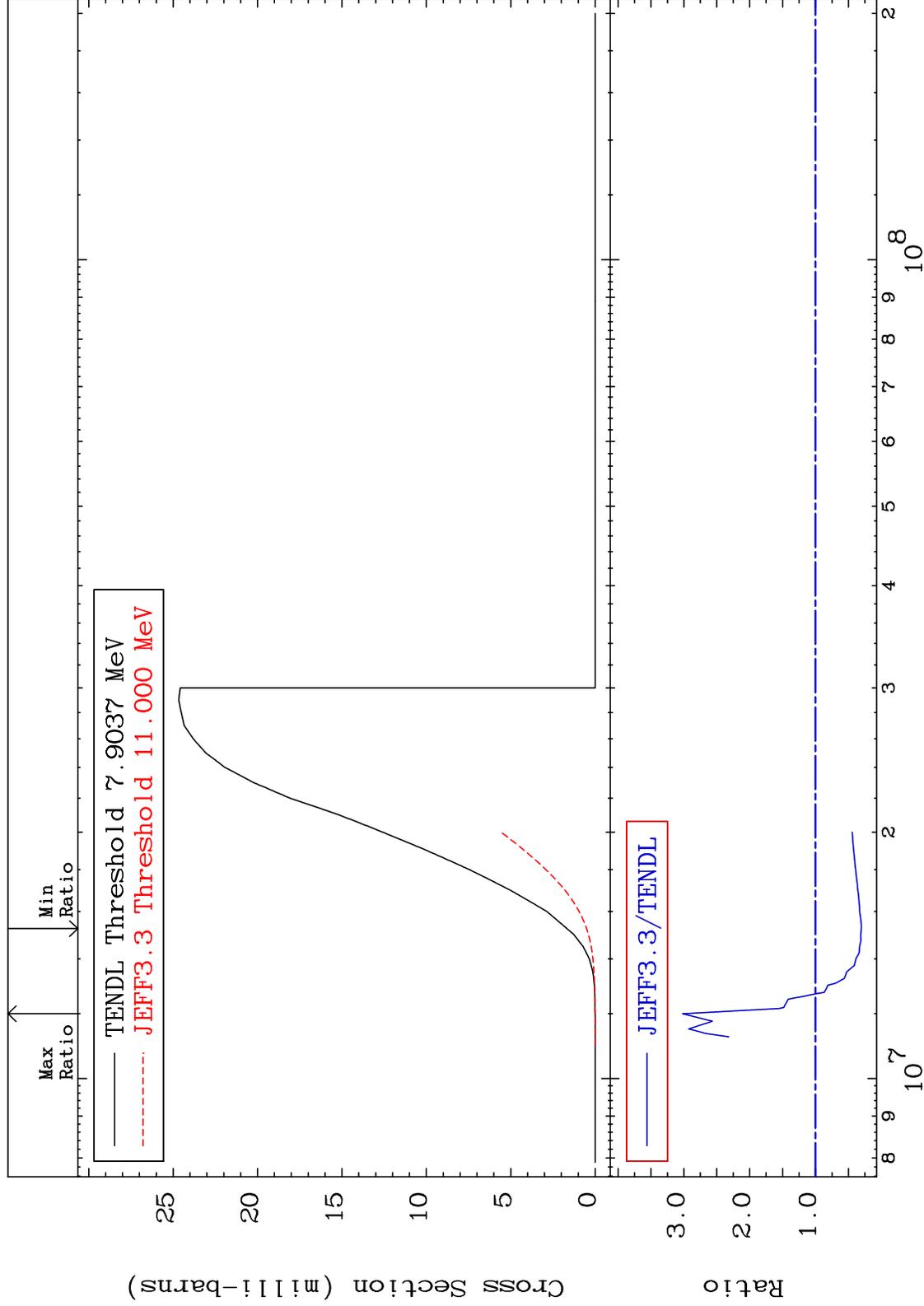
MAT 4443

(n, d)

44-Ru-102

Cross Section

-69.73 To 201.9 %



17

44-Ru-102

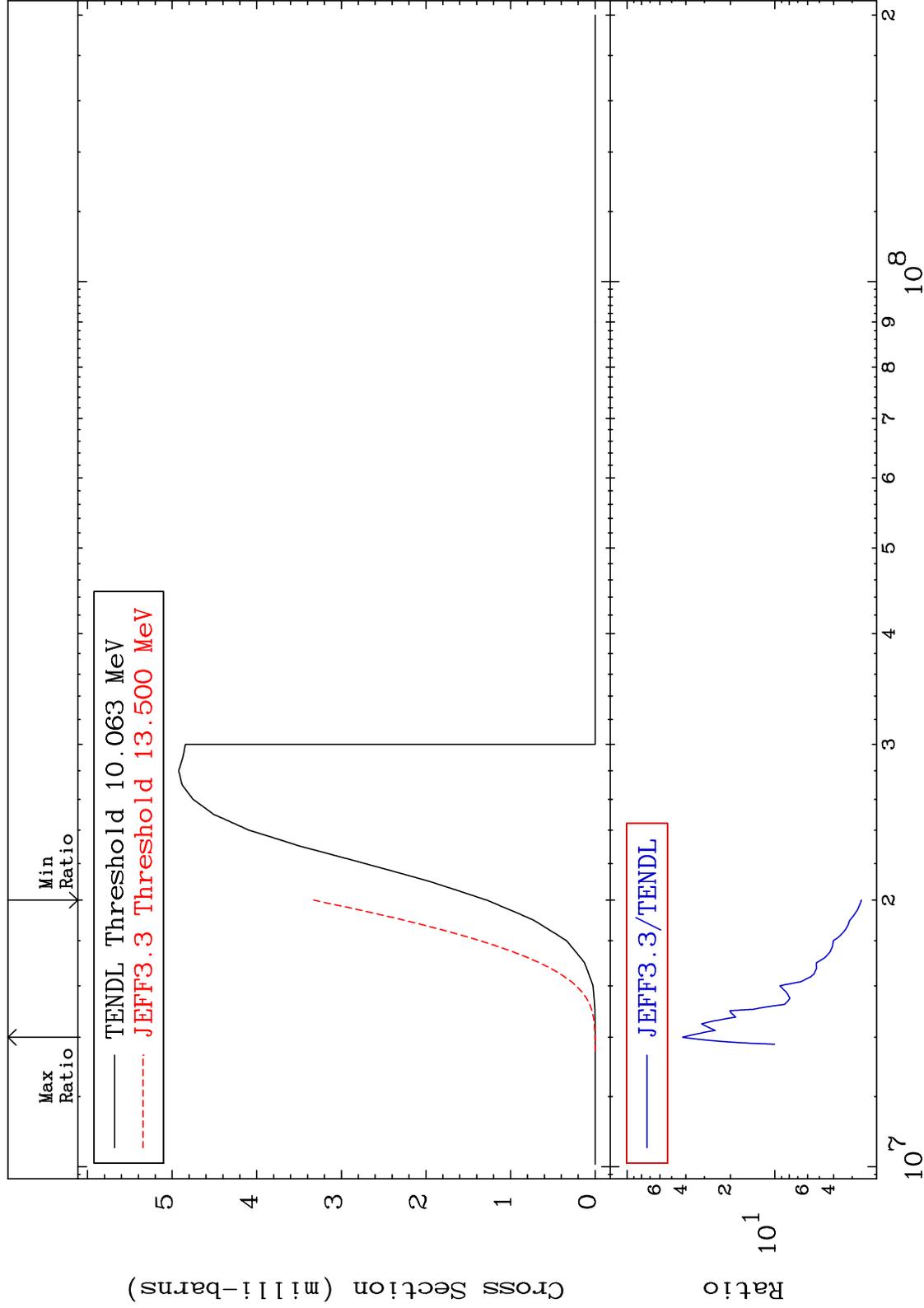
MAT 4443

(n, t)

44-Ru-102

Cross Section

159.7 To 4110. %



18

44-Ru-102

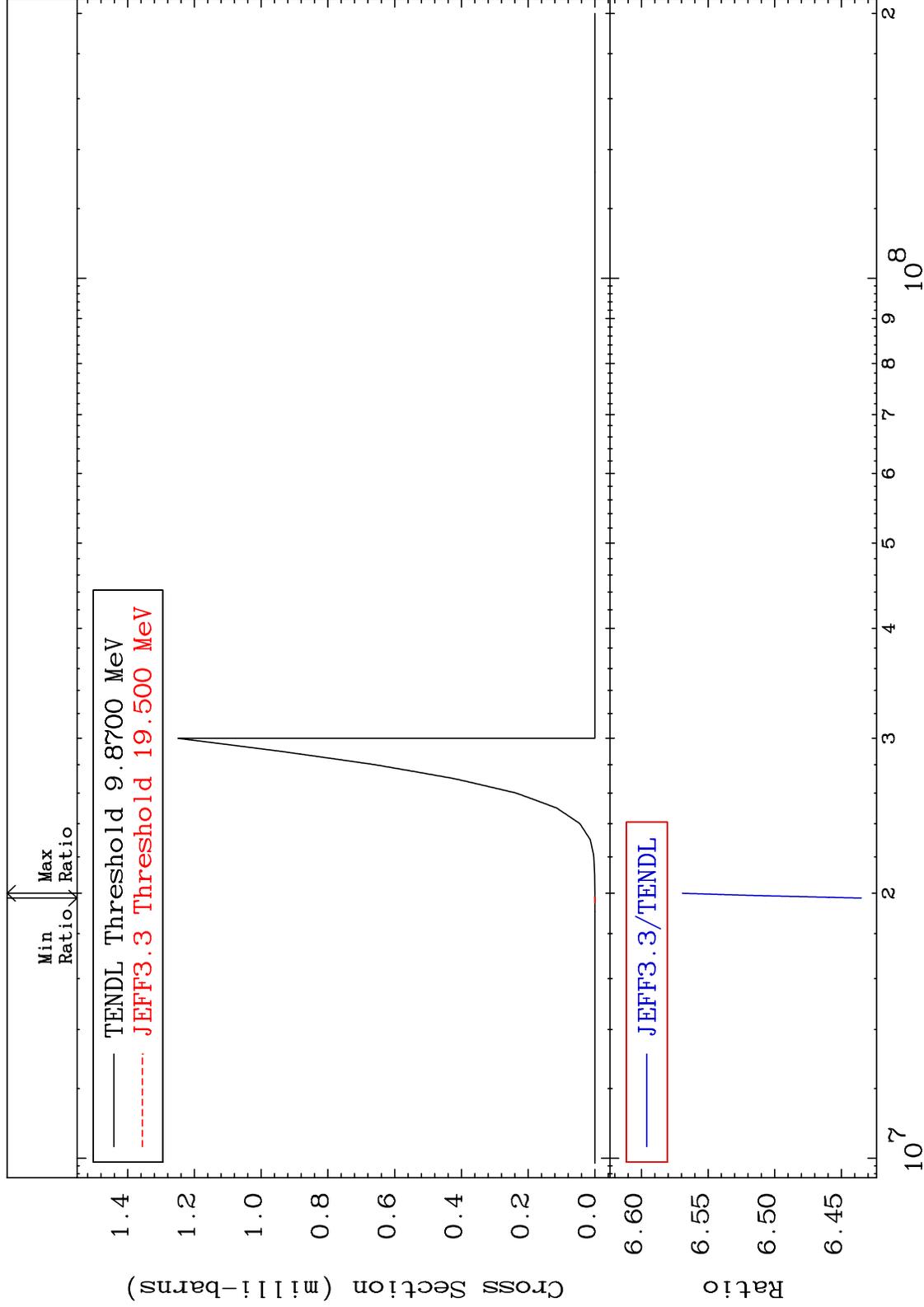
MAT 4443

(n, He-3)

44-Ru-102

Cross Section

543.5 To 556.9 %



44-Ru-102

19

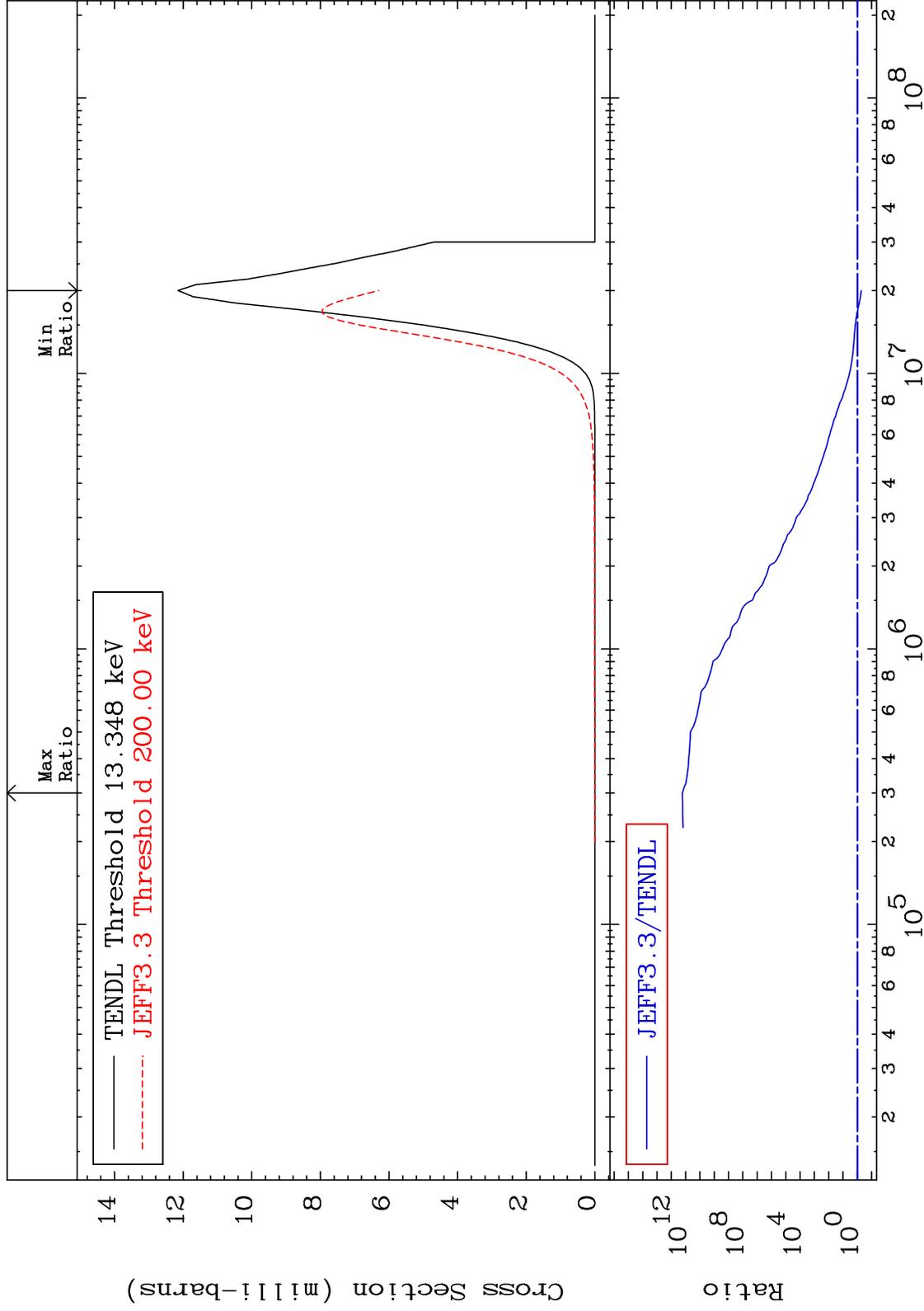
MAT 4443

(n, α)

44-Ru-102

Cross Section

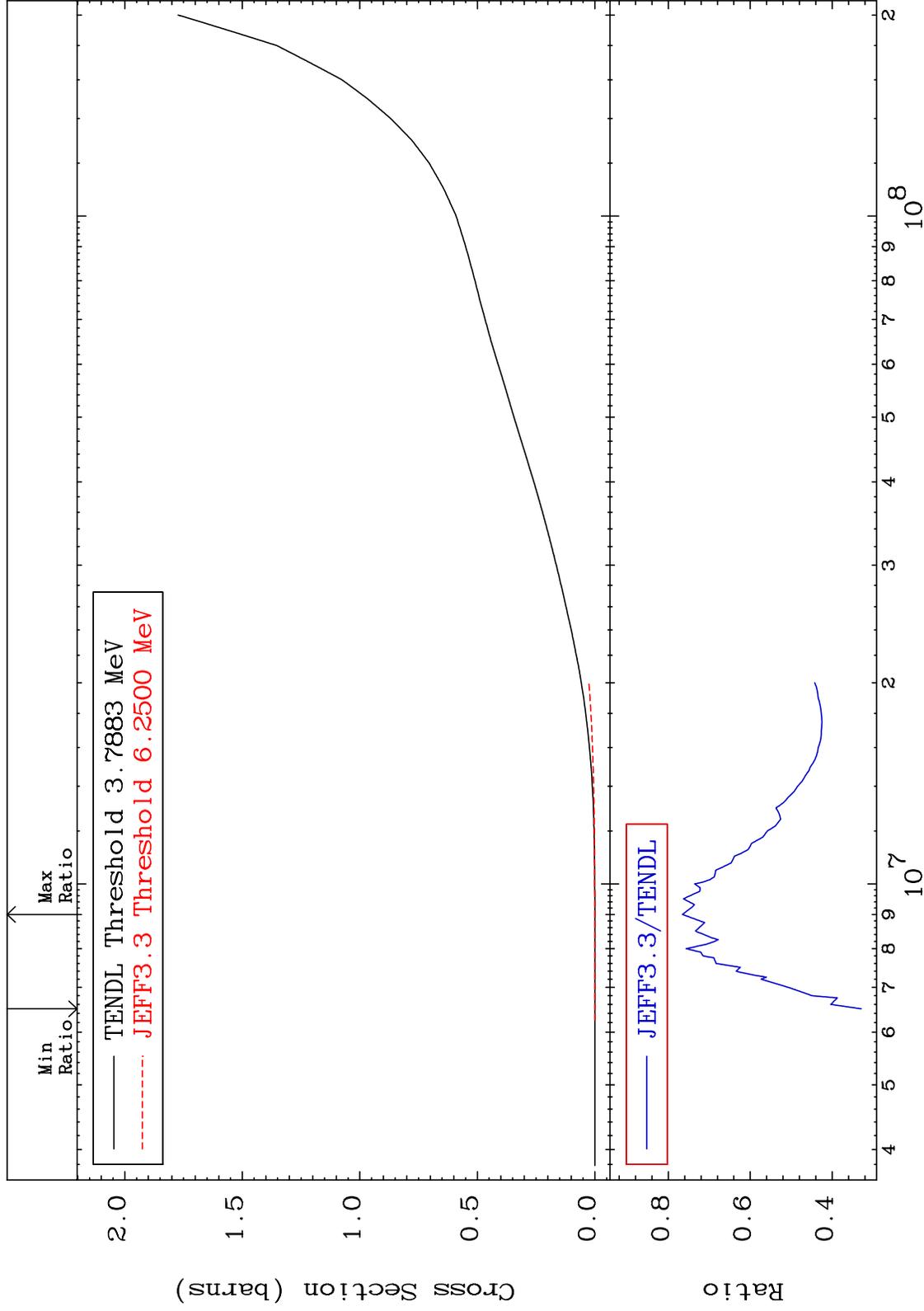
-48.15 To 9999. %



MAT 4443

Hydrogen Production
Cross Section

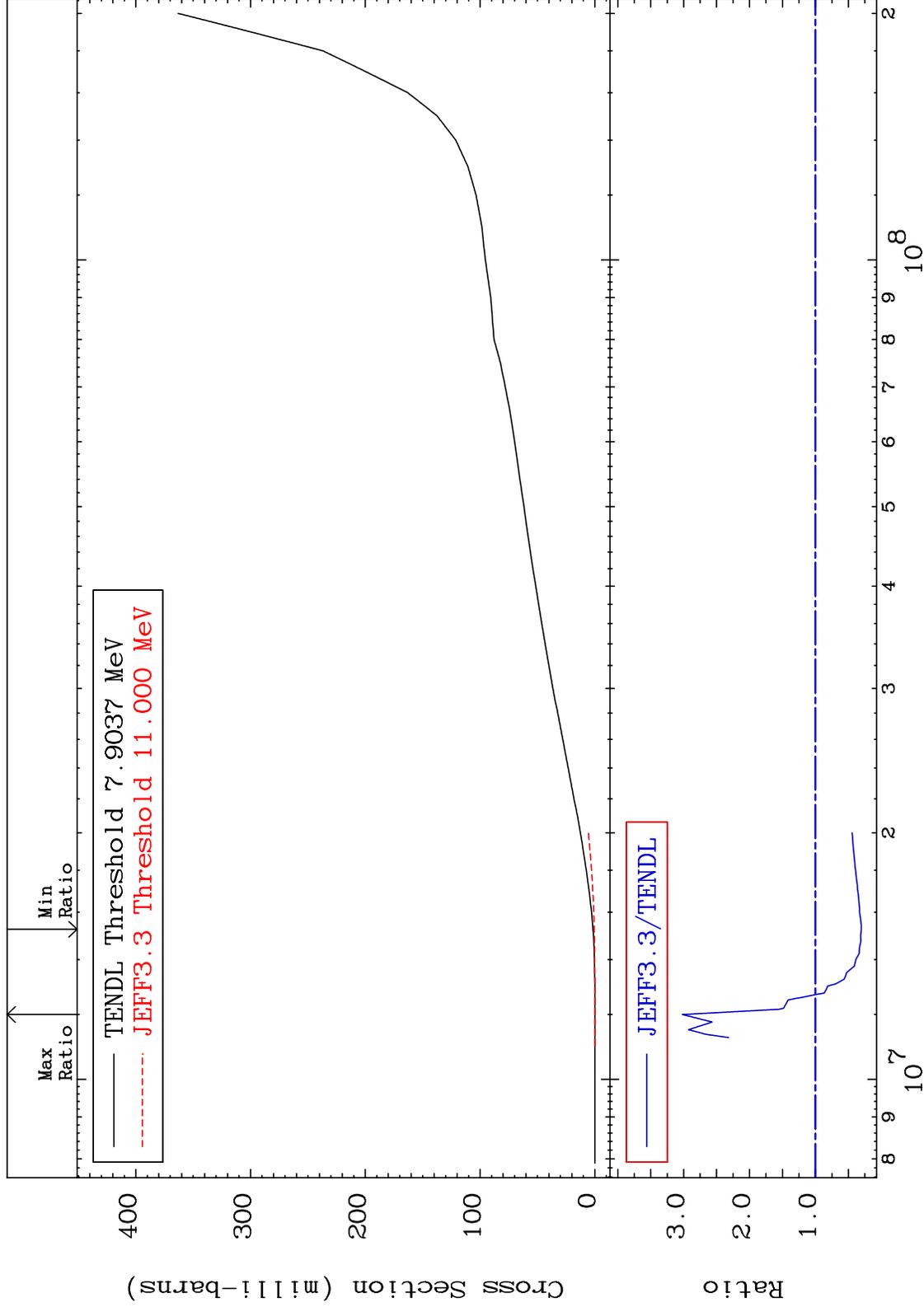
44-Ru-102
-67.11 To -23.45%



MAT 4443

Deuterium Production
Cross Section

44-Ru-102
-69.73 To 201.9 %



22

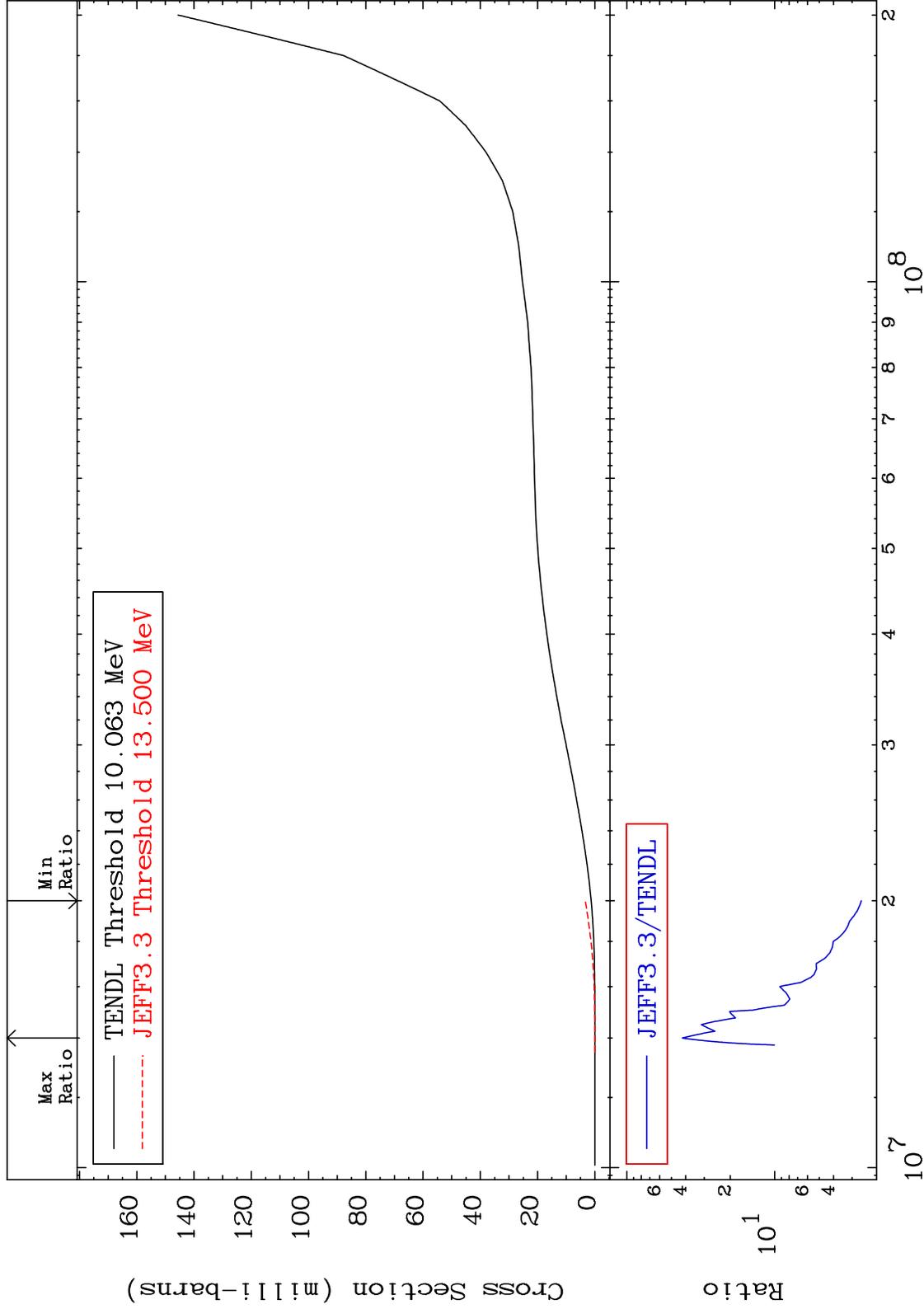
Incident Energy (eV)

44-Ru-102

MAT 4443

Tritium Production
Cross Section

44-Ru-102
159.7 To 4110. %



Incident Energy (eV)

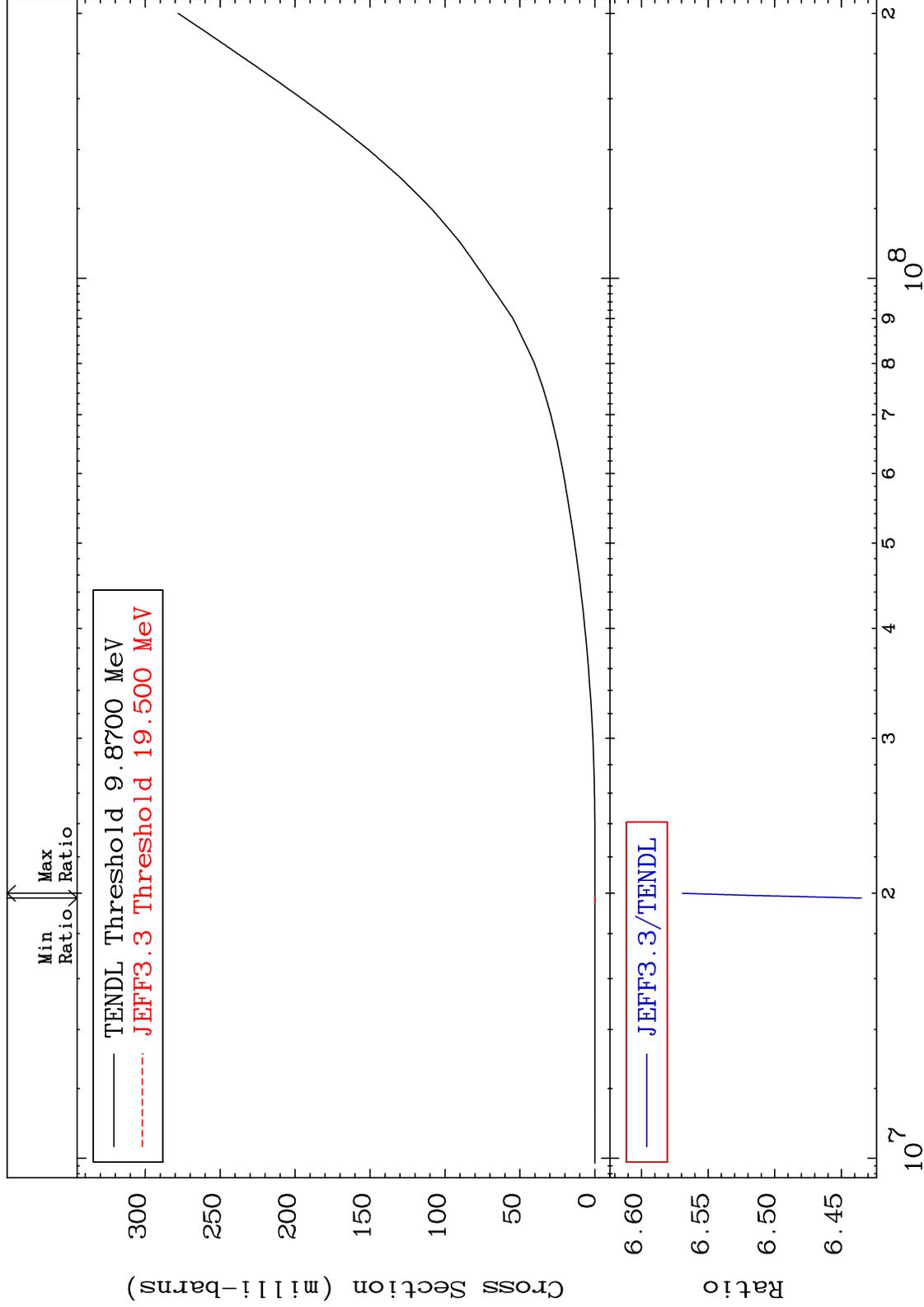
44-Ru-102

23

MAT 4443

He-3 Production
Cross Section

44-Ru-102
543.5 To 556.9 %



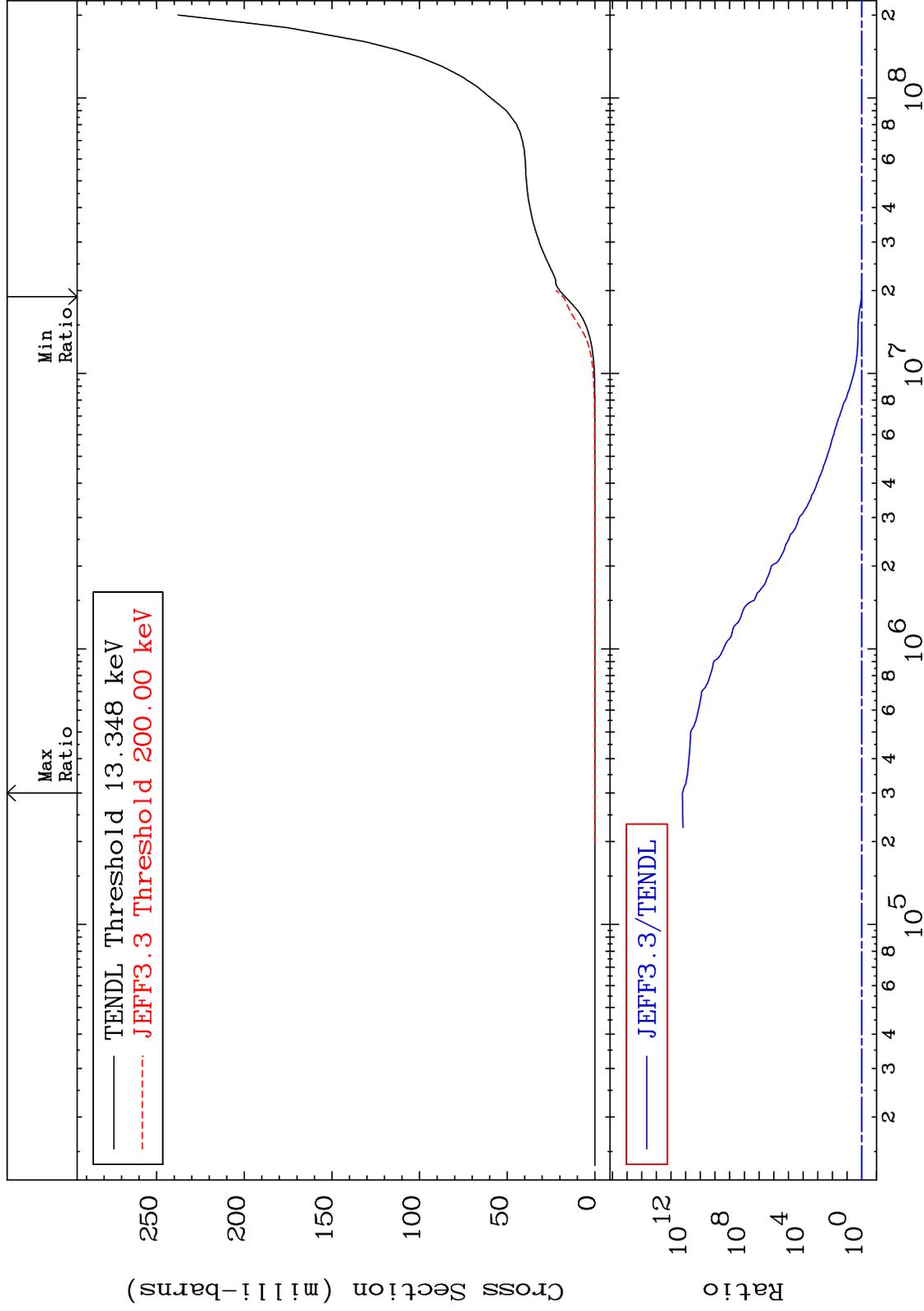
24

44-Ru-102

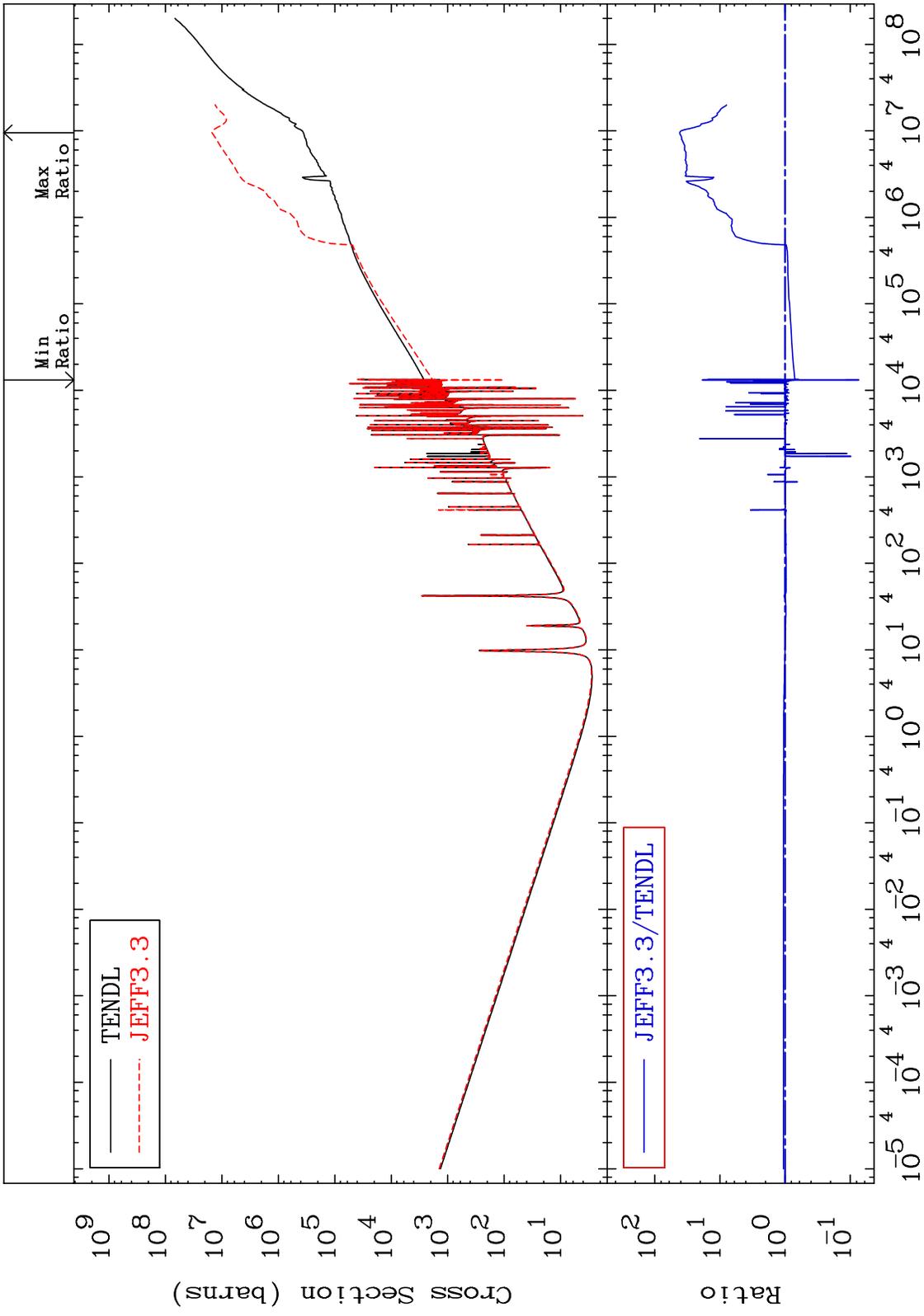
MAT 4443

He-4 Production
Cross Section

44-Ru-102
7.671 To 9999. %



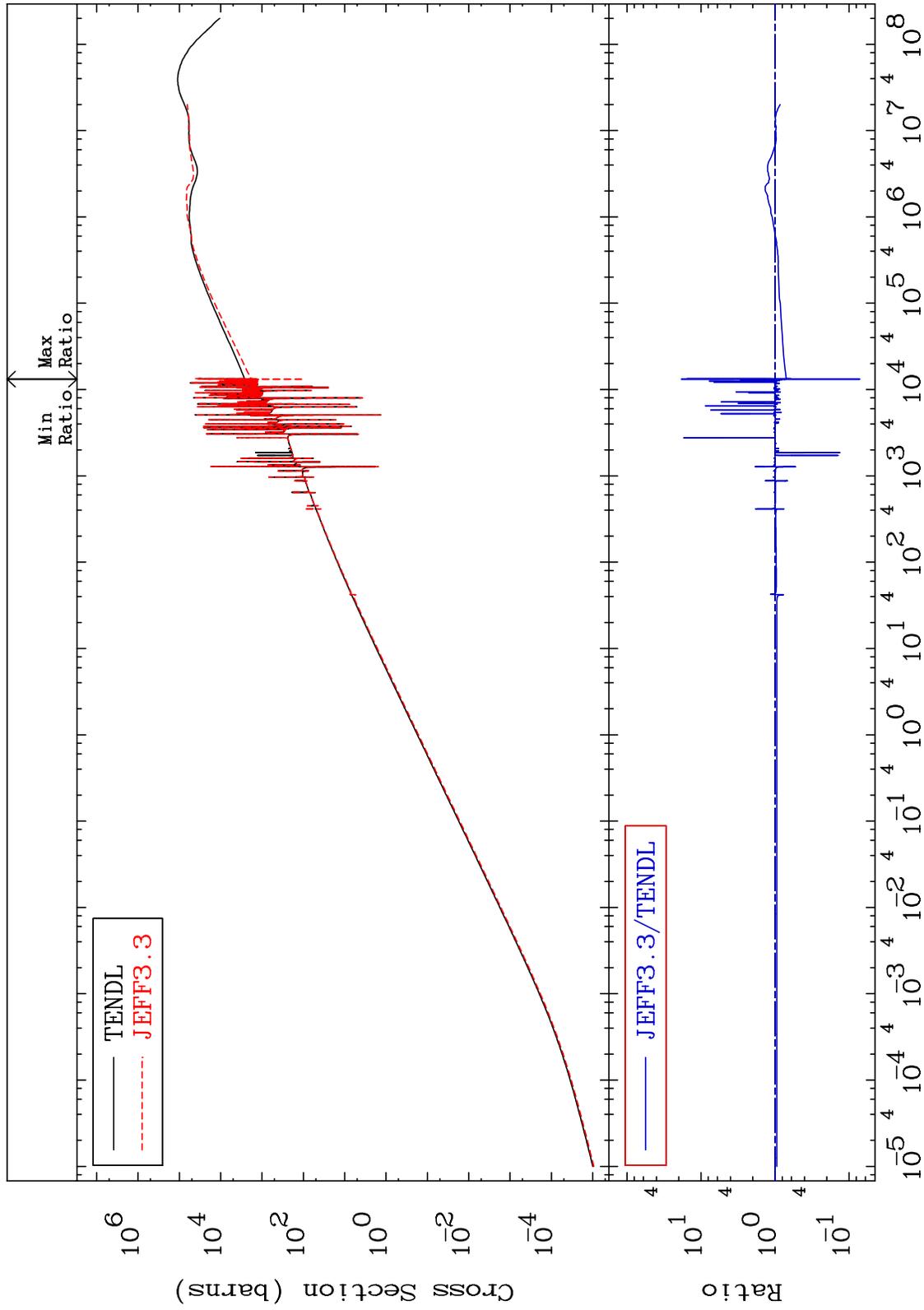
MAT 4443 Kerma total (eV-barns) Cross Section 44-Ru-102 -92.62 To 4033. %



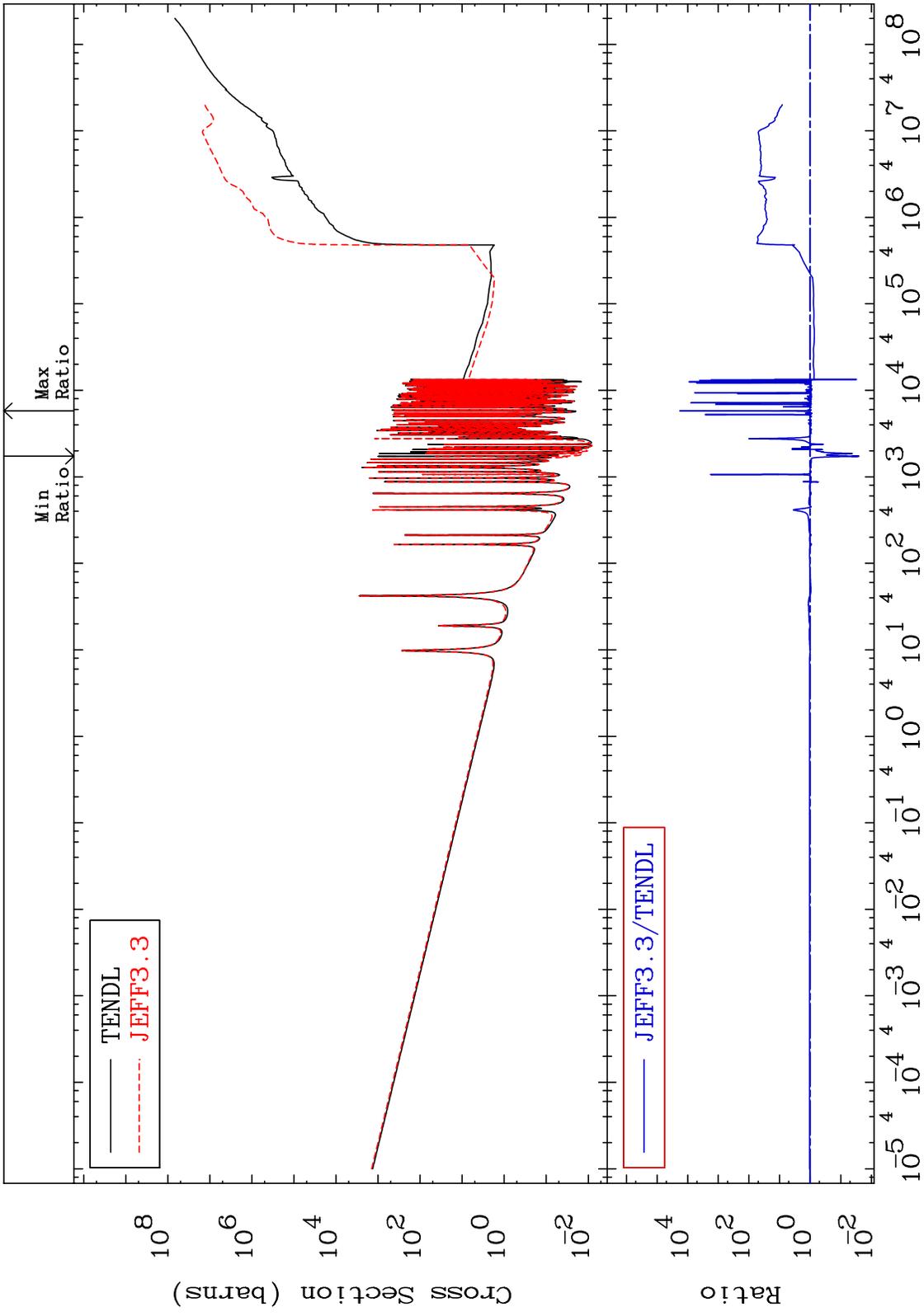
MAT 4443

Kerma elastic
Cross Section

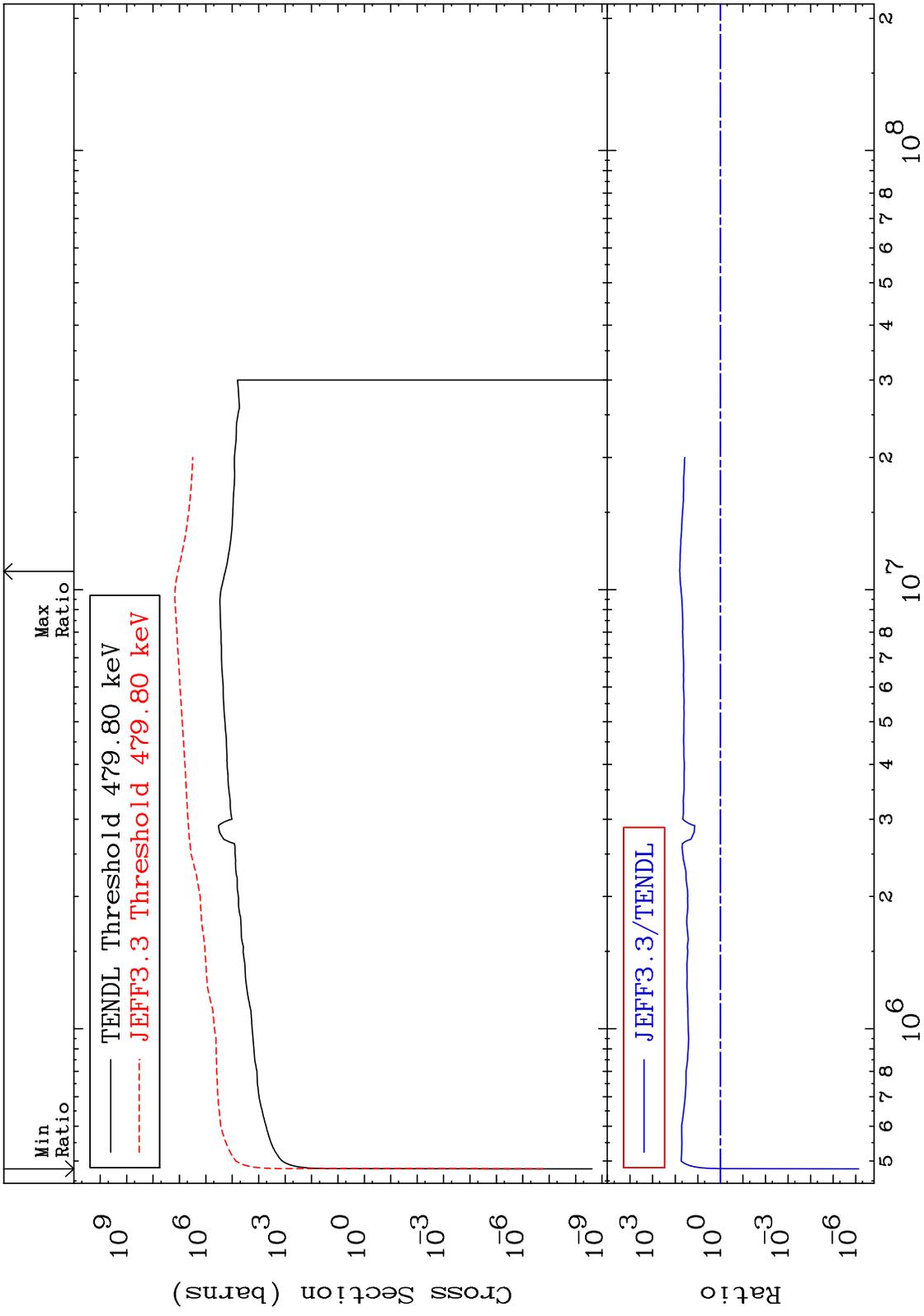
44-Ru-102
-92.84 To 1751. %



MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102
 Cross Section -97.41 To 9999. %



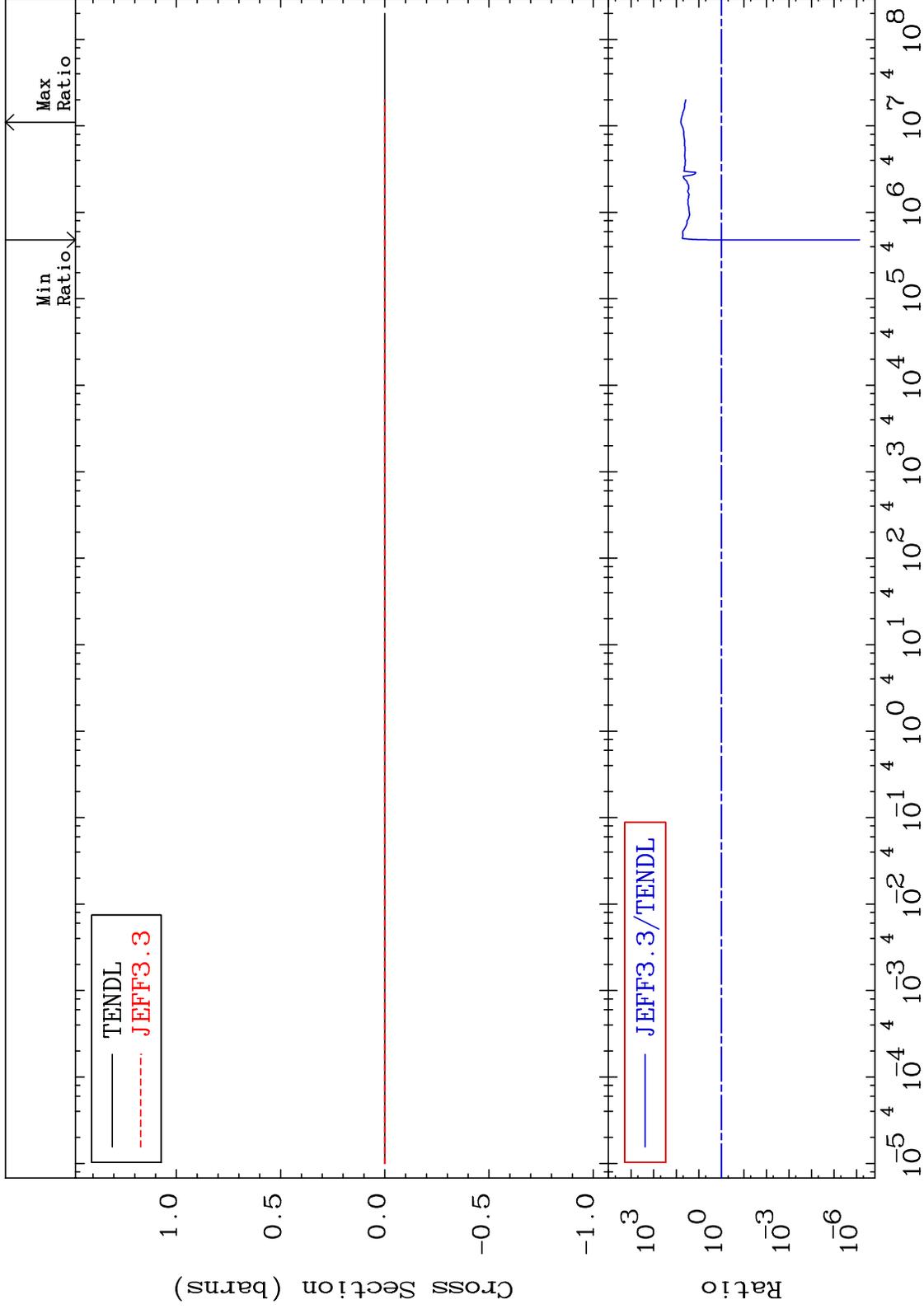
MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102
 -100.0 To 6185. %
 Cross Section



MAT 4443

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

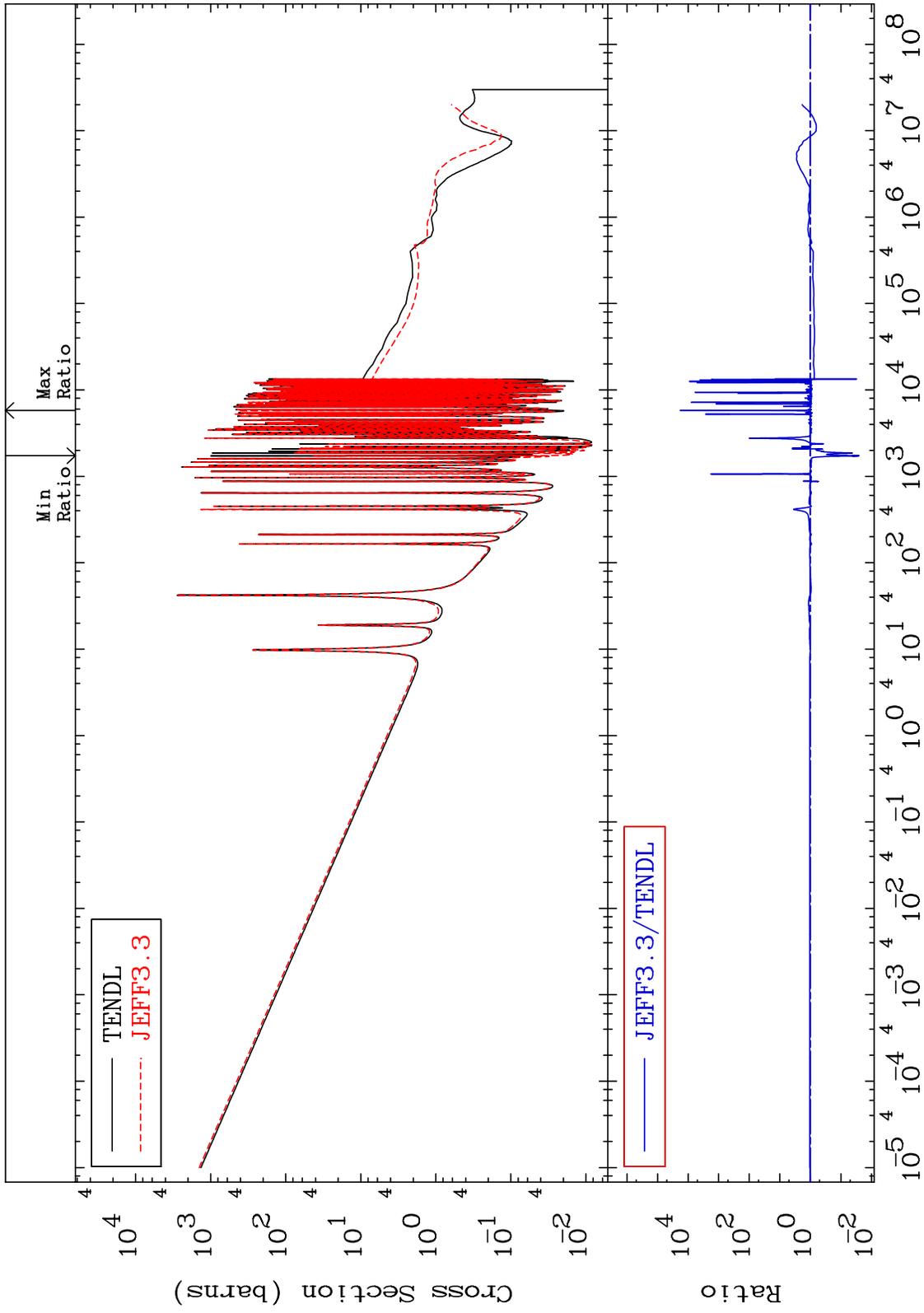
44-Ru-102
-100.0 To 6185. %



MAT 4443

Kerma capture (mt102)
Cross Section

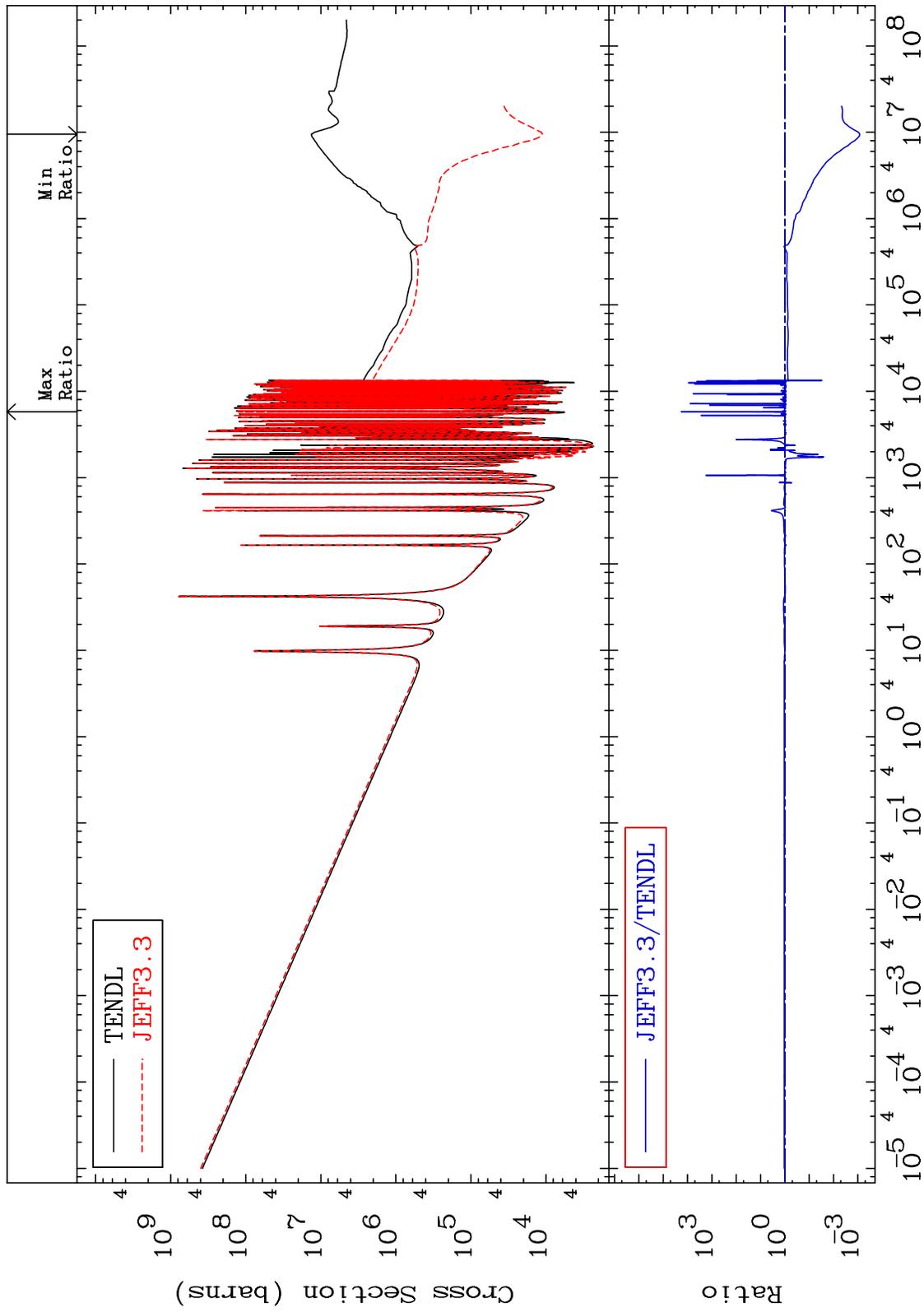
44-Ru-102
-97.41 To 9999. %



MAT 4443

Total photon (eV-barns)
Cross Section

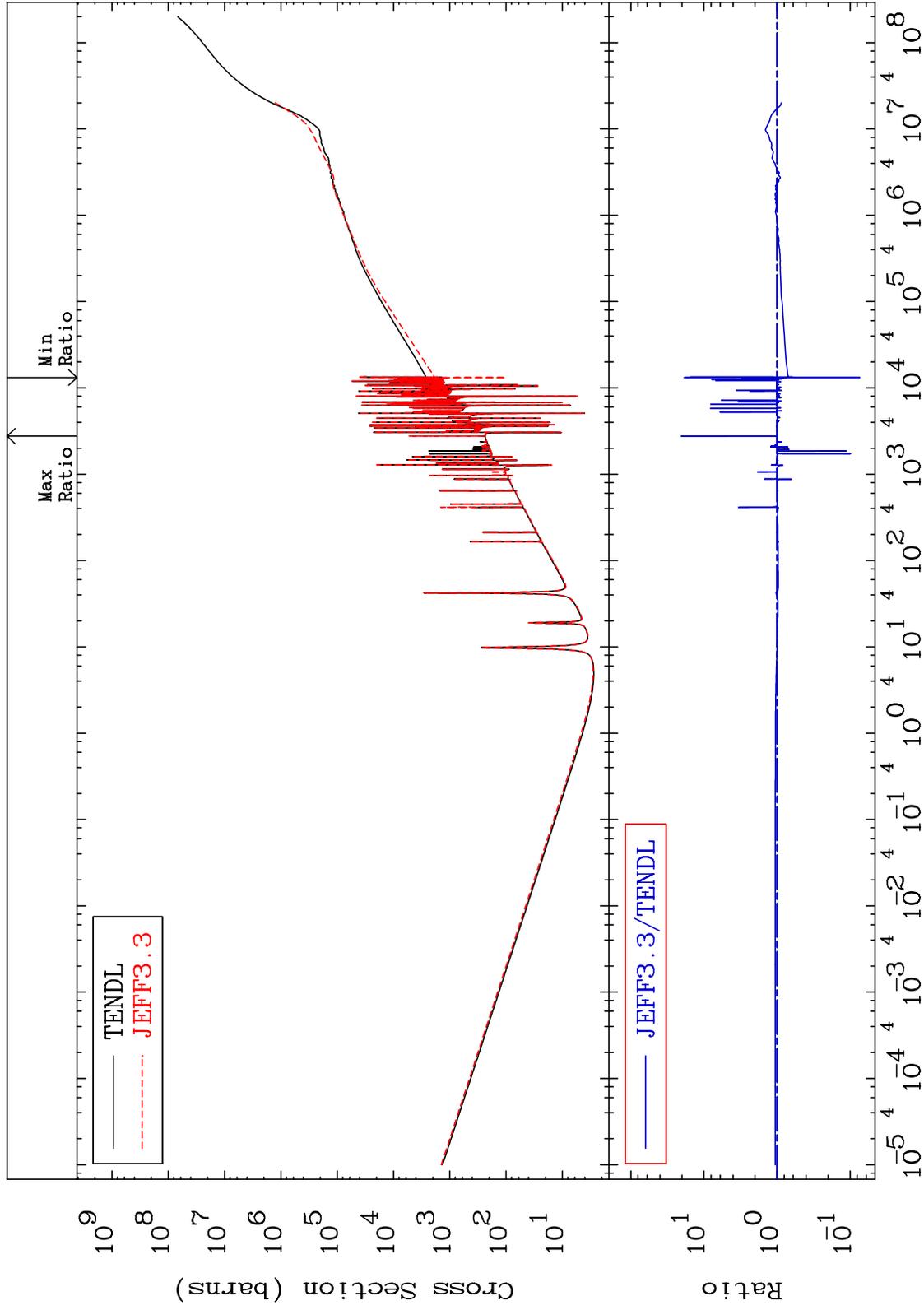
44-Ru-102
-99.92 To 9999. %



MAT 4443

Total kinematic kerma (high limit)
Cross Section

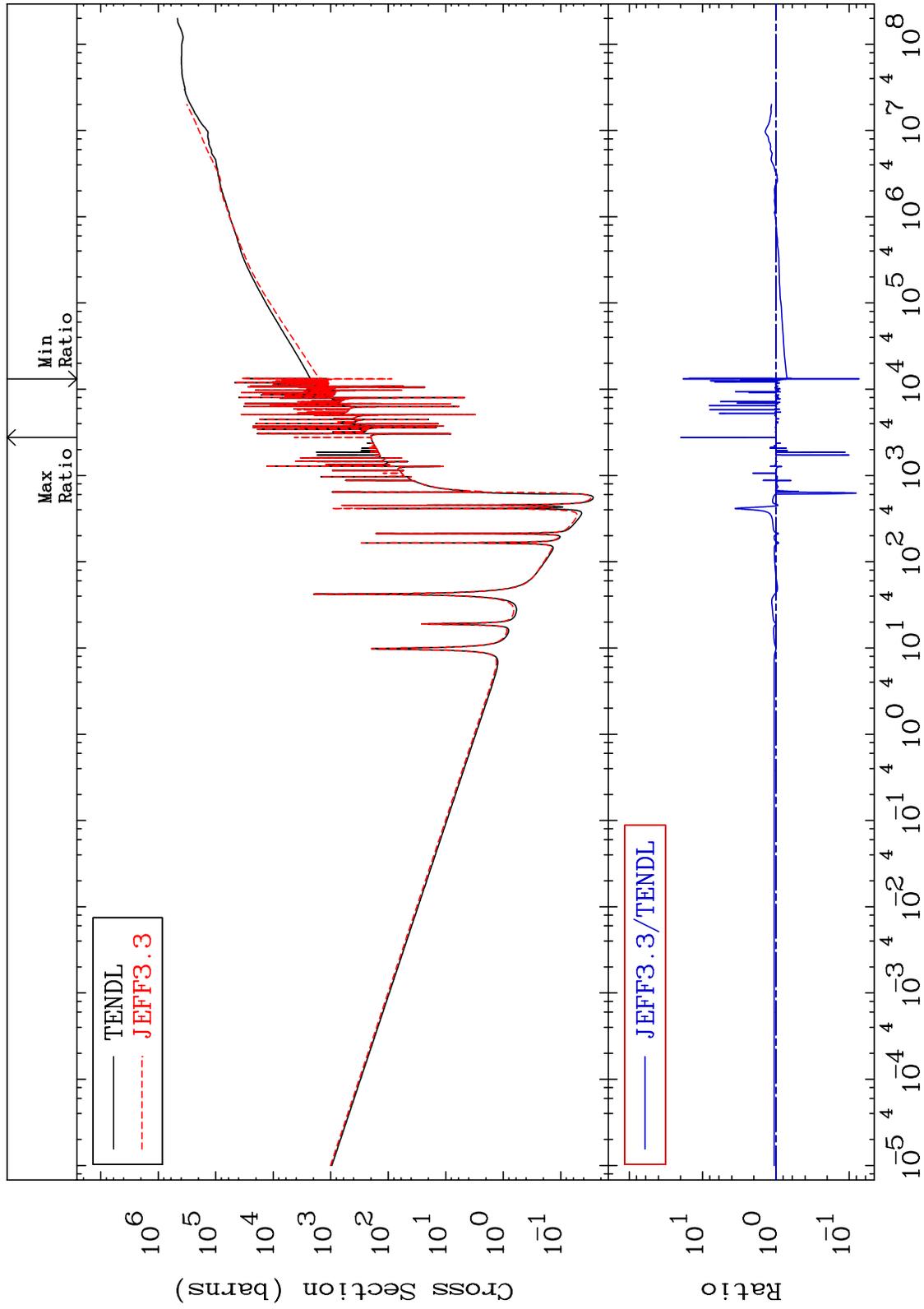
44-Ru-102
-92.62 To 1946. %



MAT 4443

Dpa total (eV-barns)
Cross Section

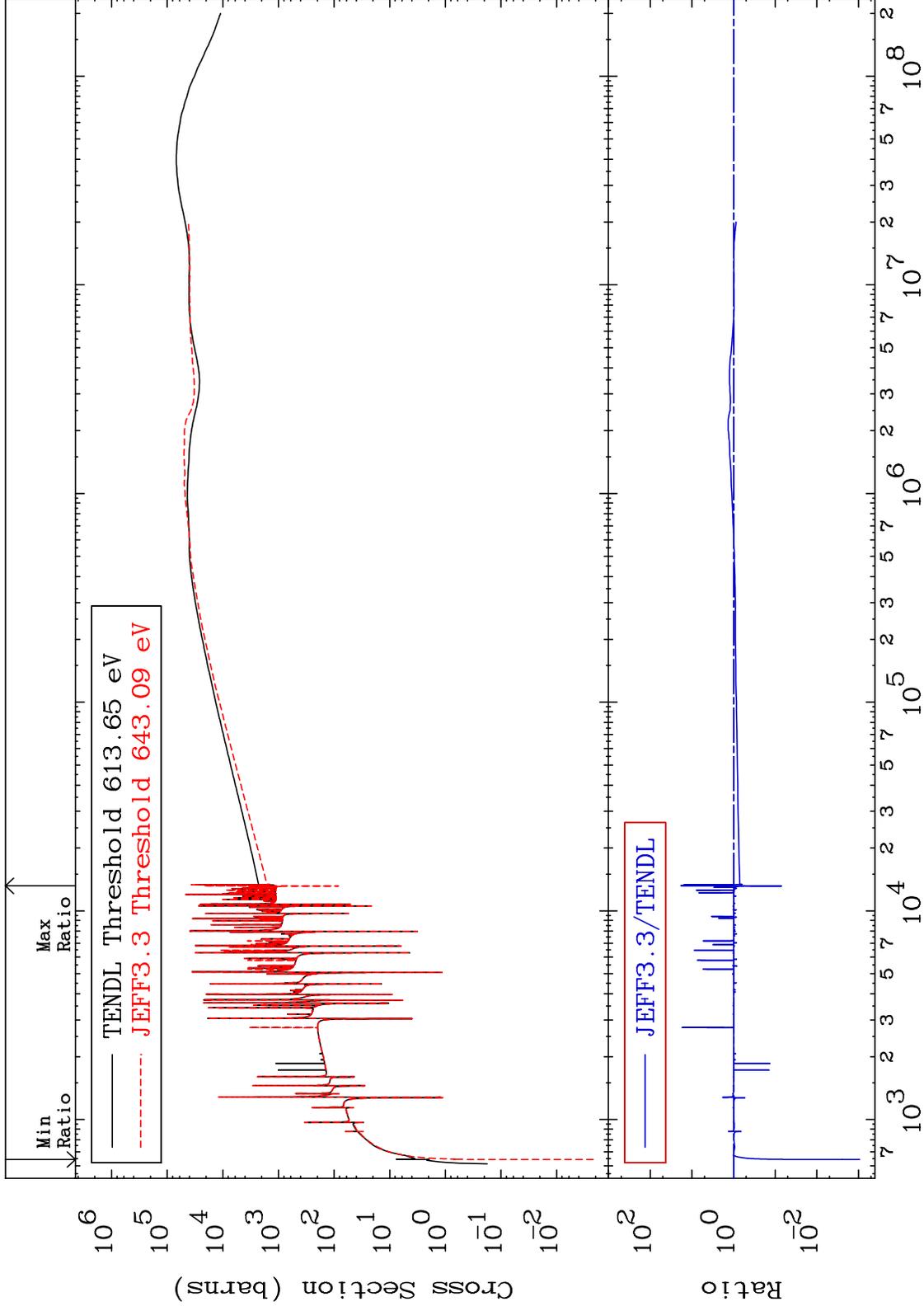
44-Ru-102
-92.66 To 1899. %



MAT 4443

Dpa elastic (mt2)
Cross Section

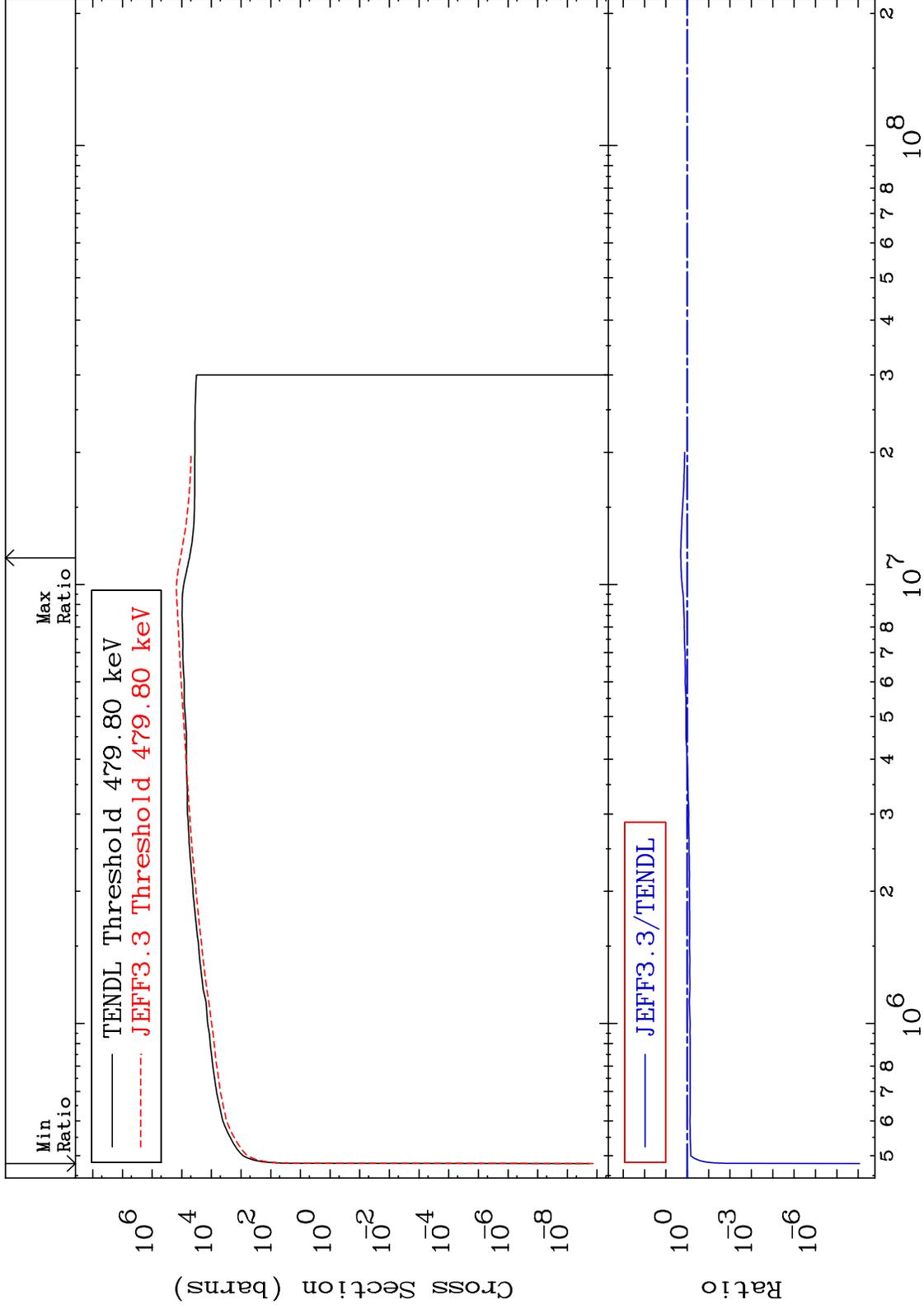
44-Ru-102
-99.91 To 1752. %



MAT 4443

Dpa inelastic (mt51-91)
Cross Section

44-Ru-102
-100.0 To 101.9 %



MAT 4443

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-102
-97.41 To 9999. %

