

Program Complot
(Version 2021-1)

by

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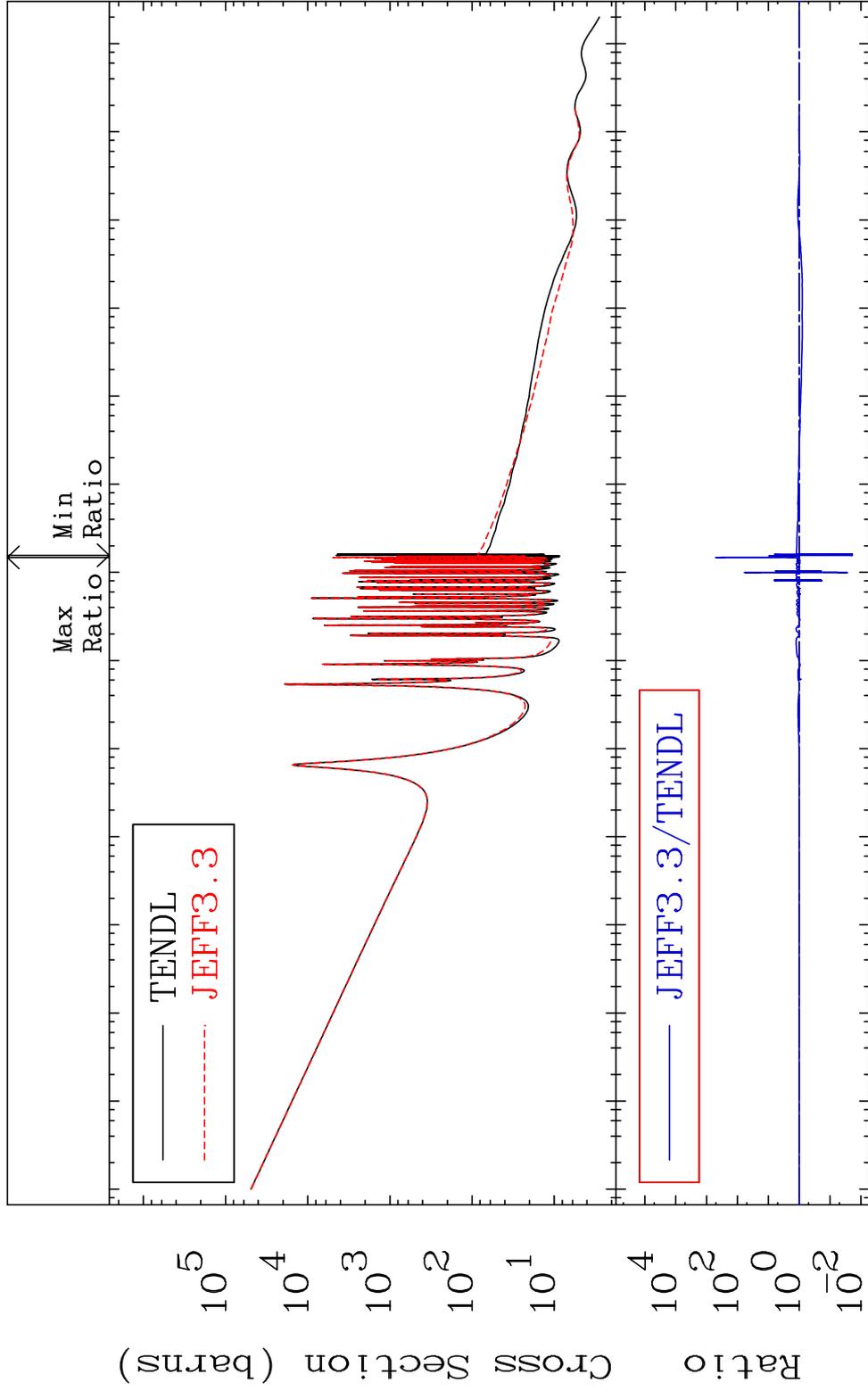
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 7725

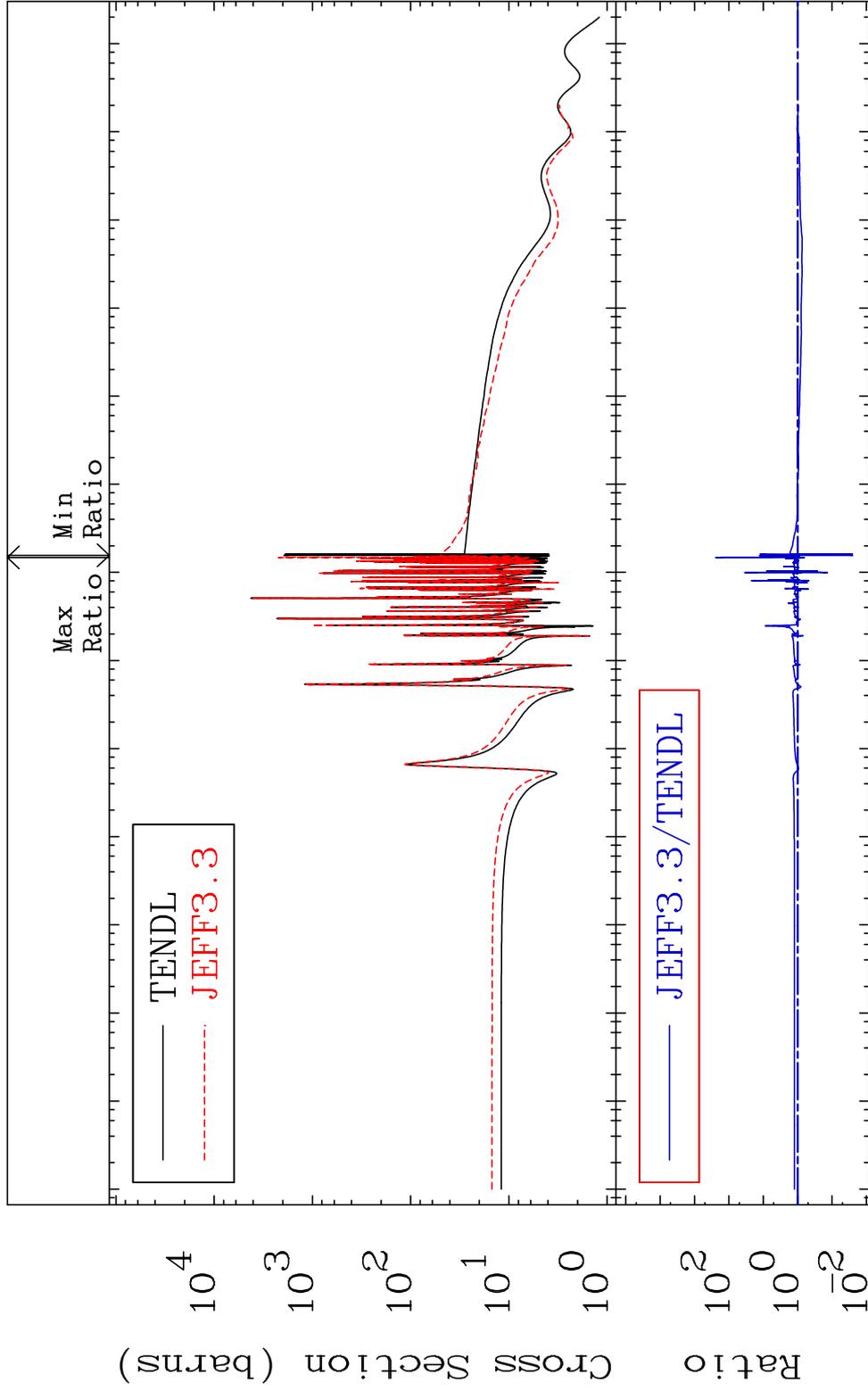
Total Cross Section -98.12 To 9999. % 77-Ir-191



1 Incident Energy (eV) 77-Ir-191

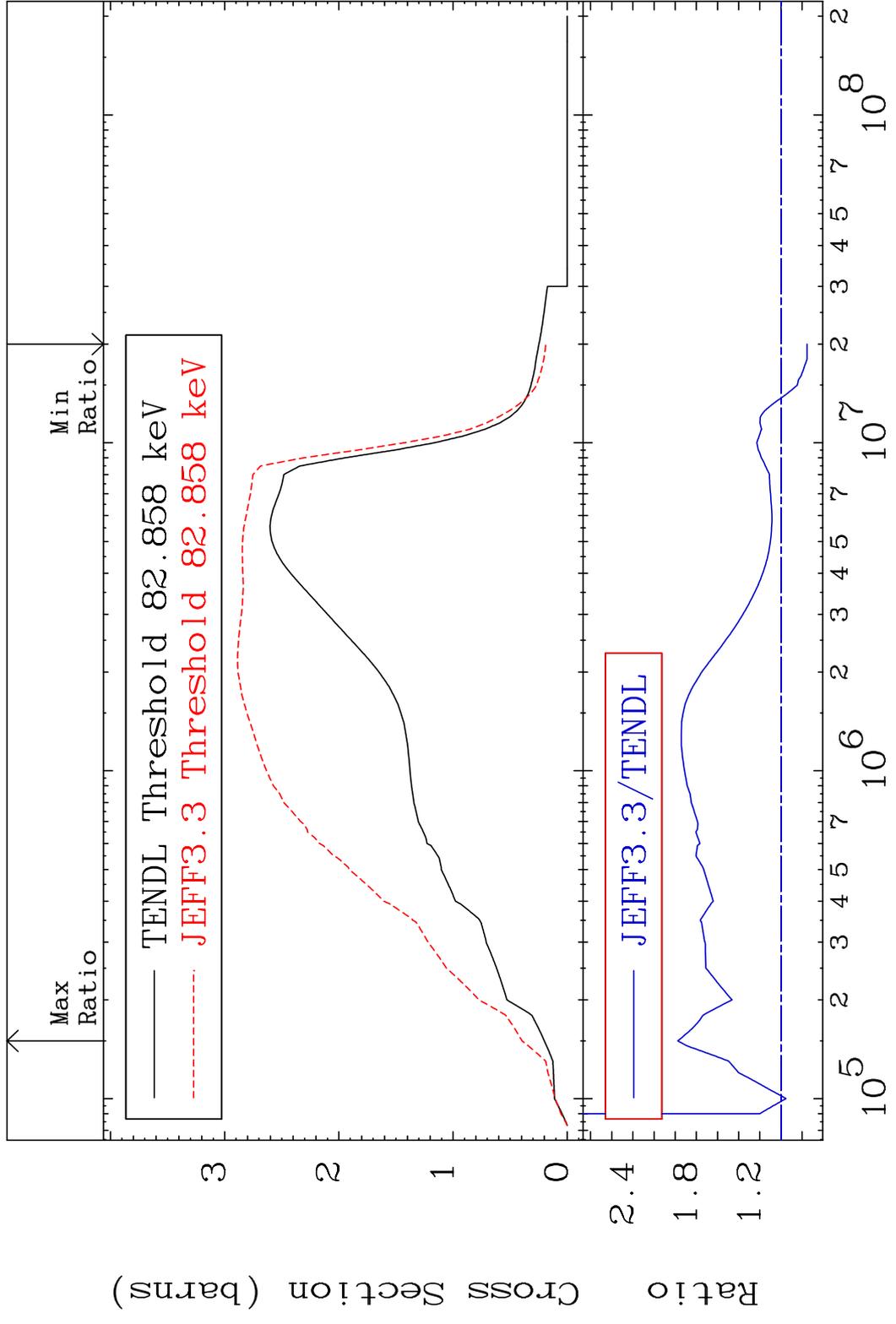
MAT 7725

Elastic Cross Section 77-Ir-191
-97.45 To 9999. %



2 Incident Energy (eV) 77-Ir-191

MAT 7725 Inelastic 77-Ir-191
 Cross Section -24.65 To 97.66 %



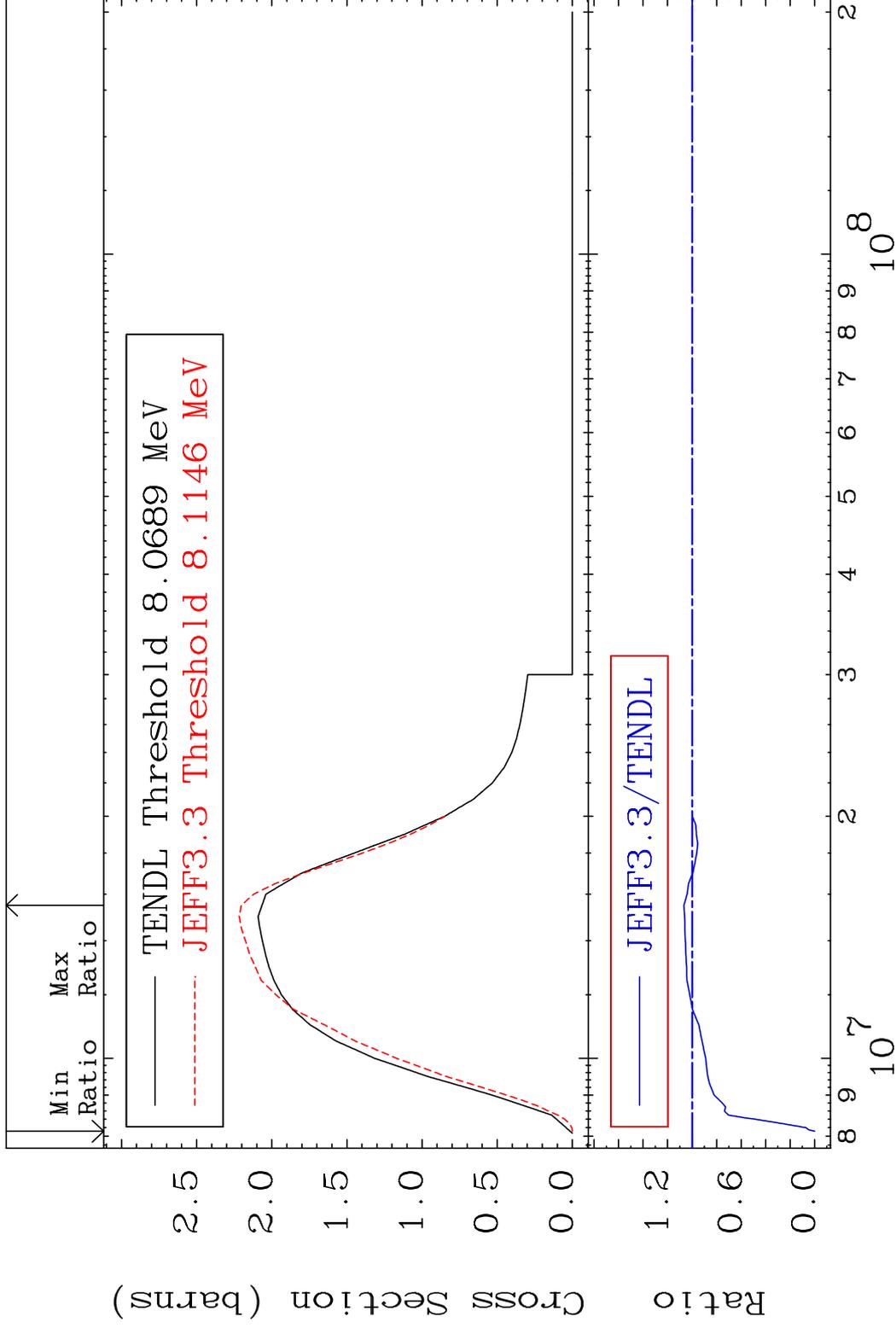
3 2.4 1.8 1.2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 8 10⁵ 10⁶ 10⁷ 10⁸ 77-Ir-191

MAT 7725

(n,2n)

77-Ir-191

Cross Section -100.0 To 6.667 %



4

Incident Energy (eV)

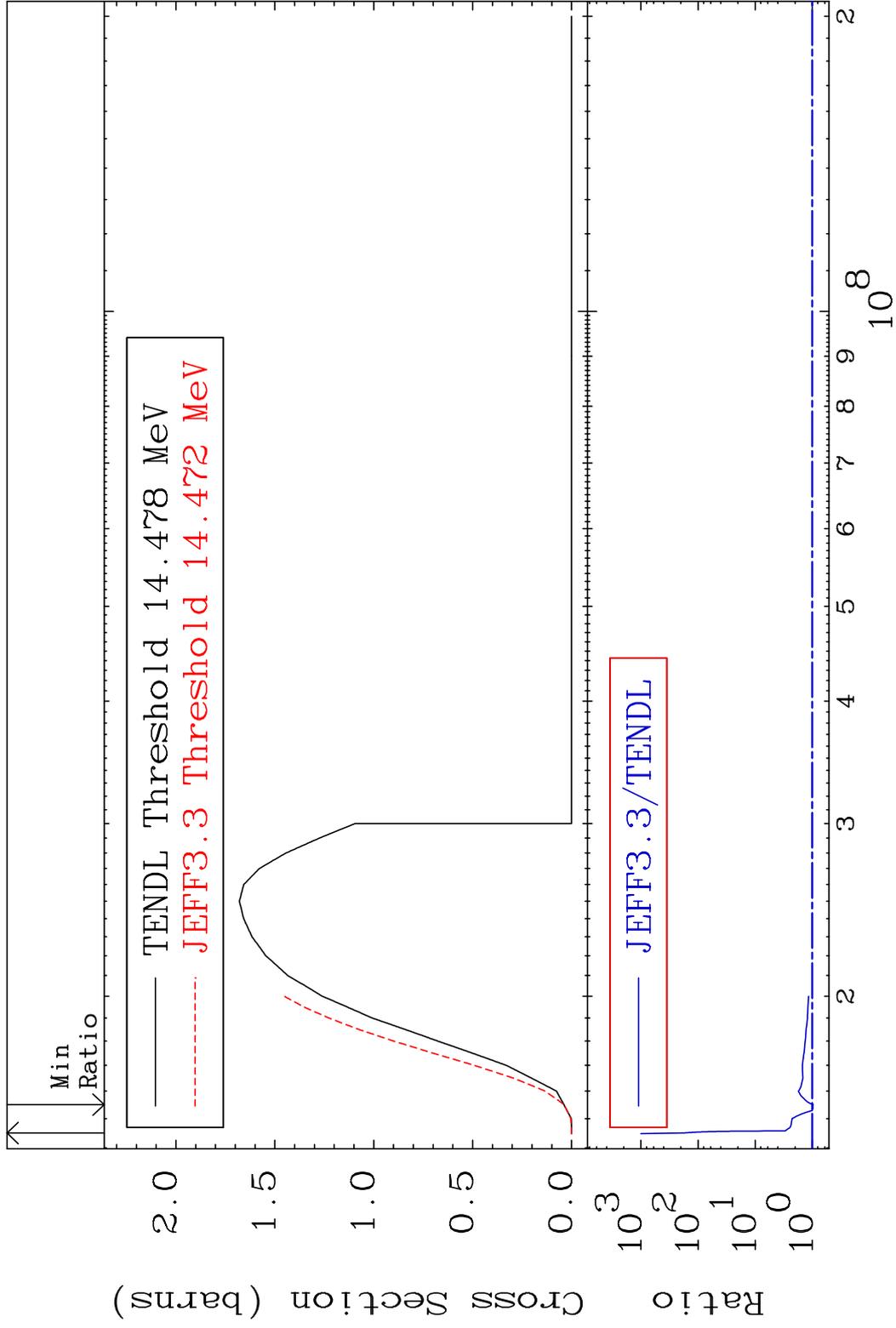
77-Ir-191

MAT 7725

(n,3n)

77-Ir-191

Cross Section -3.477 To 9999. %



5

Incident Energy (eV)

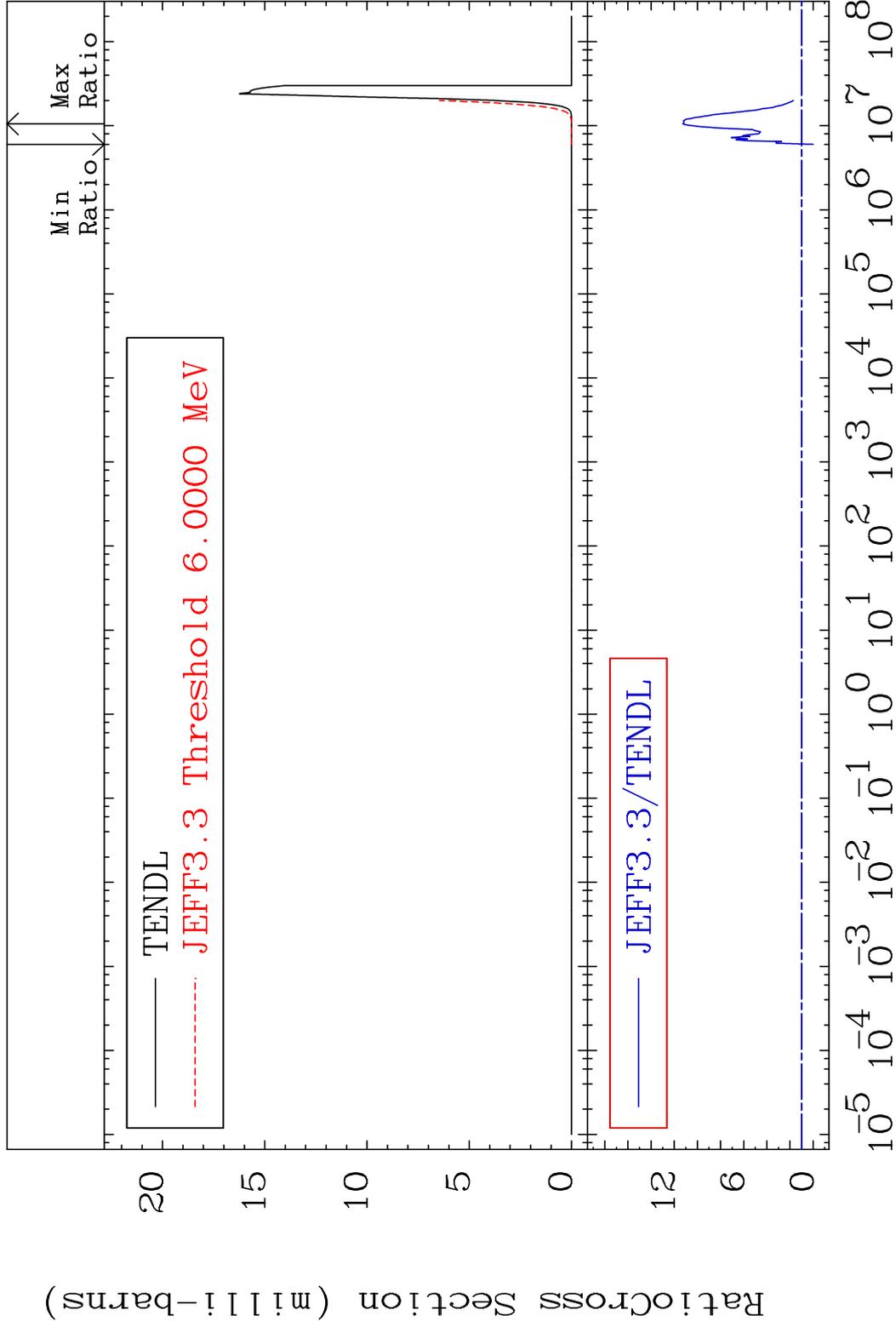
77-Ir-191

MAT 7725

(n, n') α

77-Ir-191

Cross Section -100.0 To 1026. %

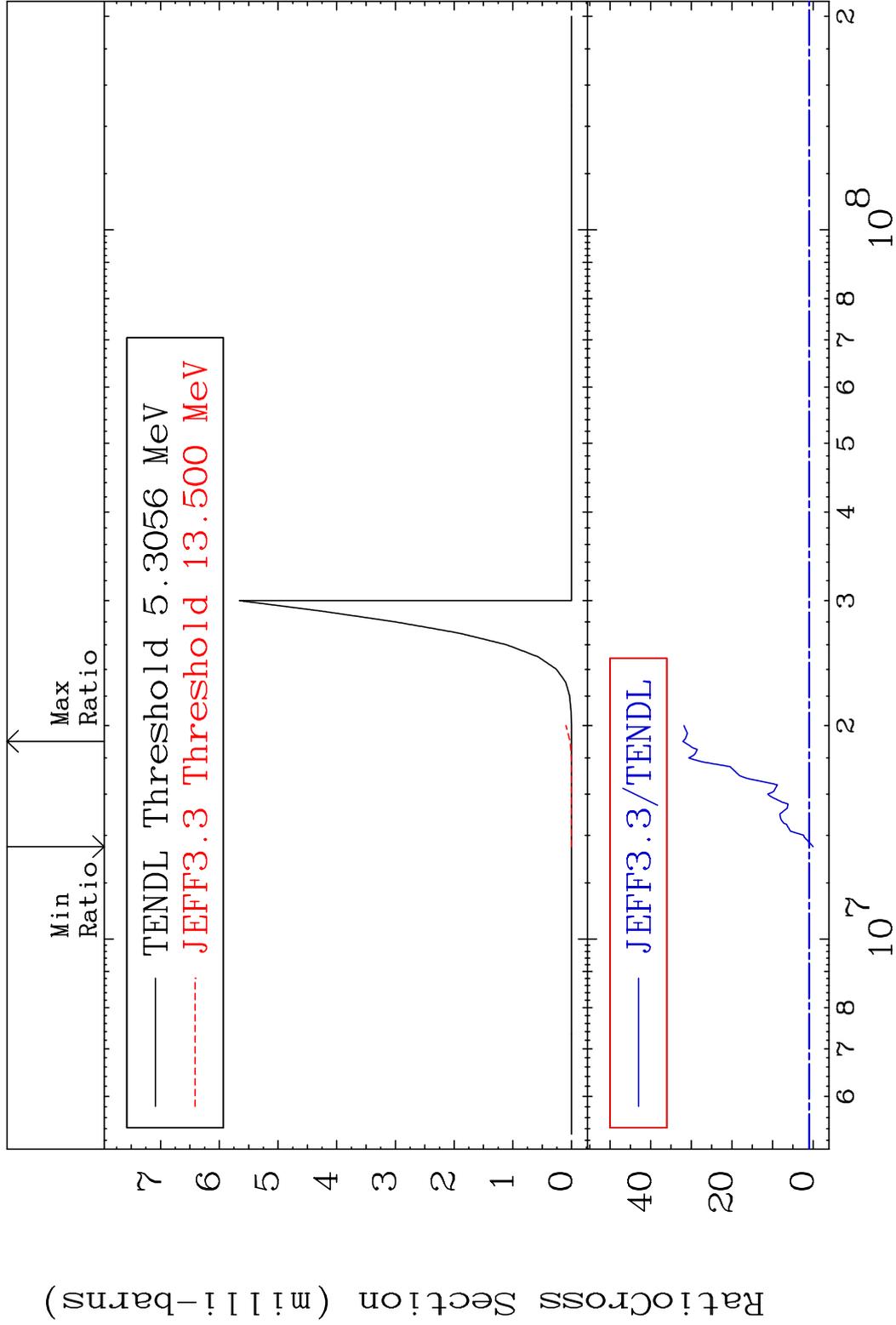


MAT 7725

(n,2n) α

77-Ir-191

Cross Section -100.0 To 3109. %



7

Incident Energy (eV)

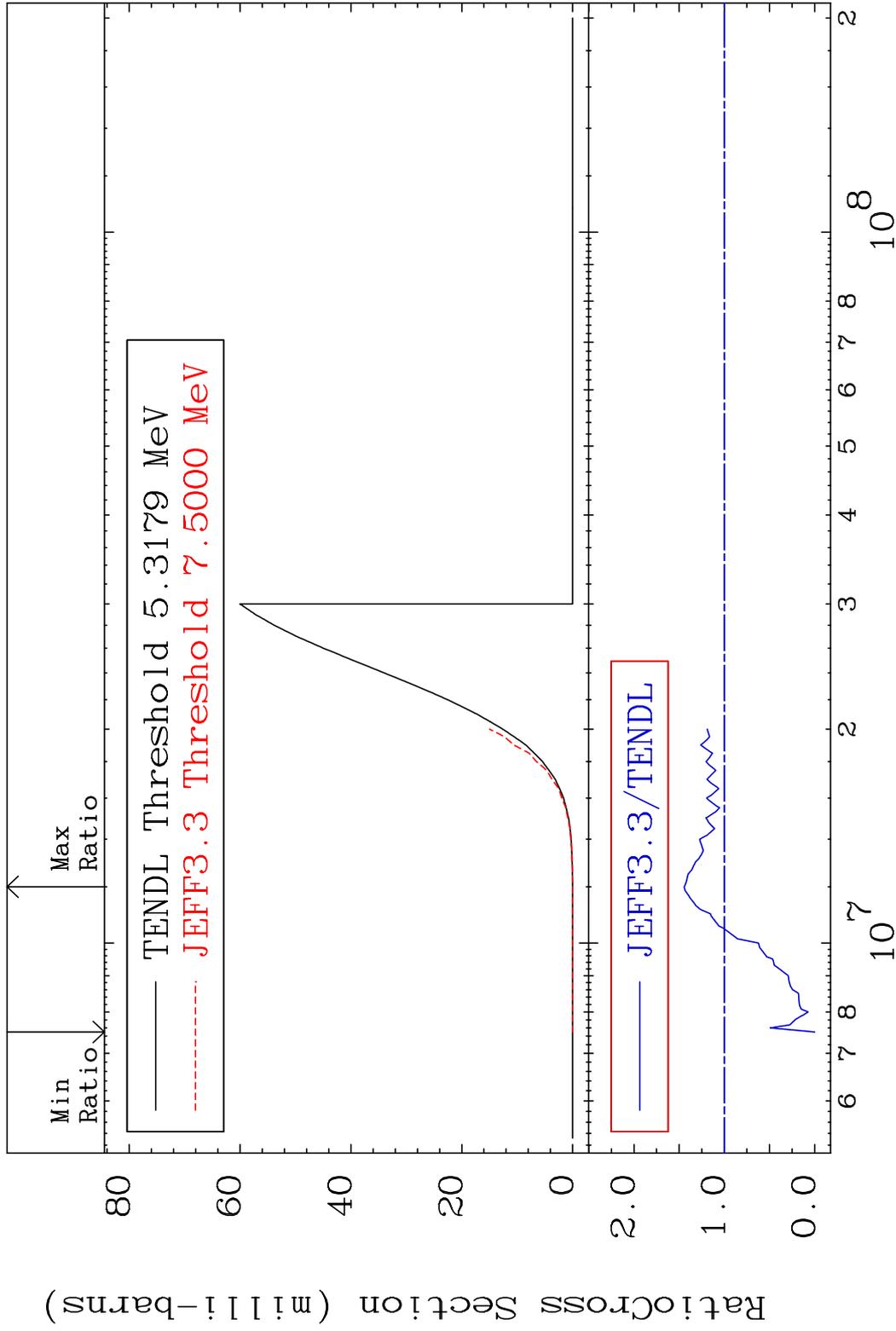
77-Ir-191

MAT 7725

(n, n') p

77-Ir-191

Cross Section -100.0 To 44.49 %



8

Incident Energy (eV)

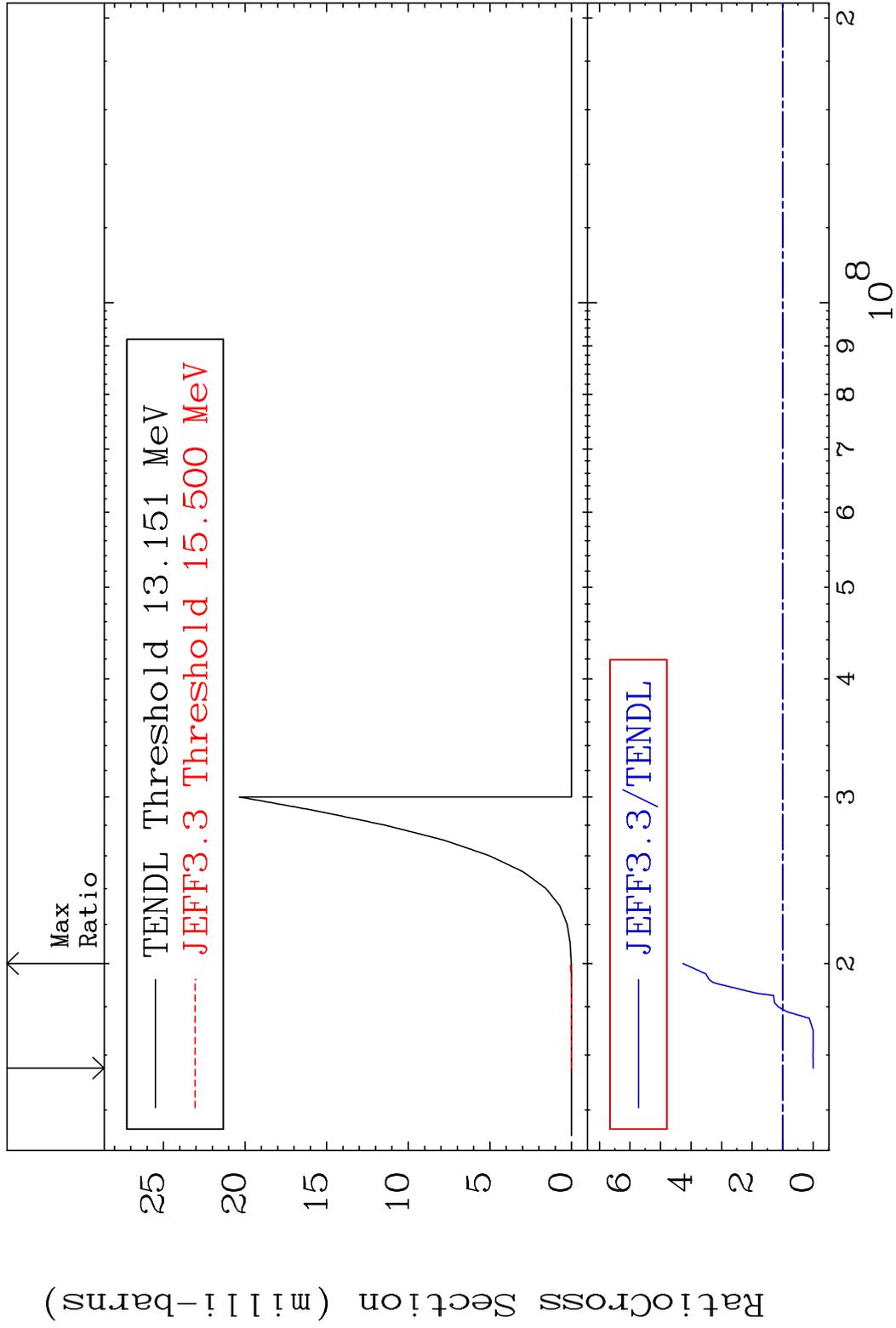
77-Ir-191

MAT 7725

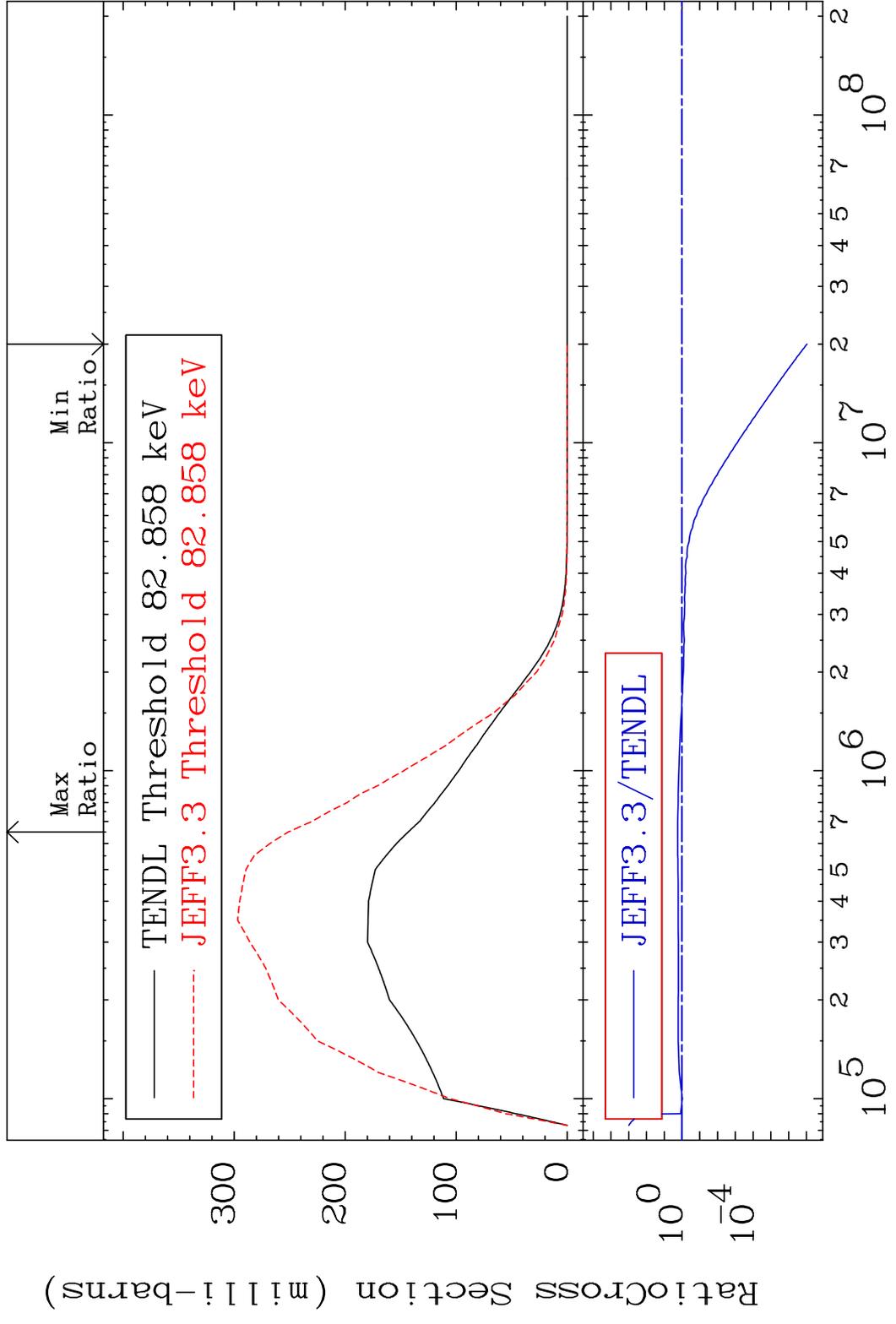
(n,2n) p

77-Ir-191

Cross Section -100.0 To 327.0 %



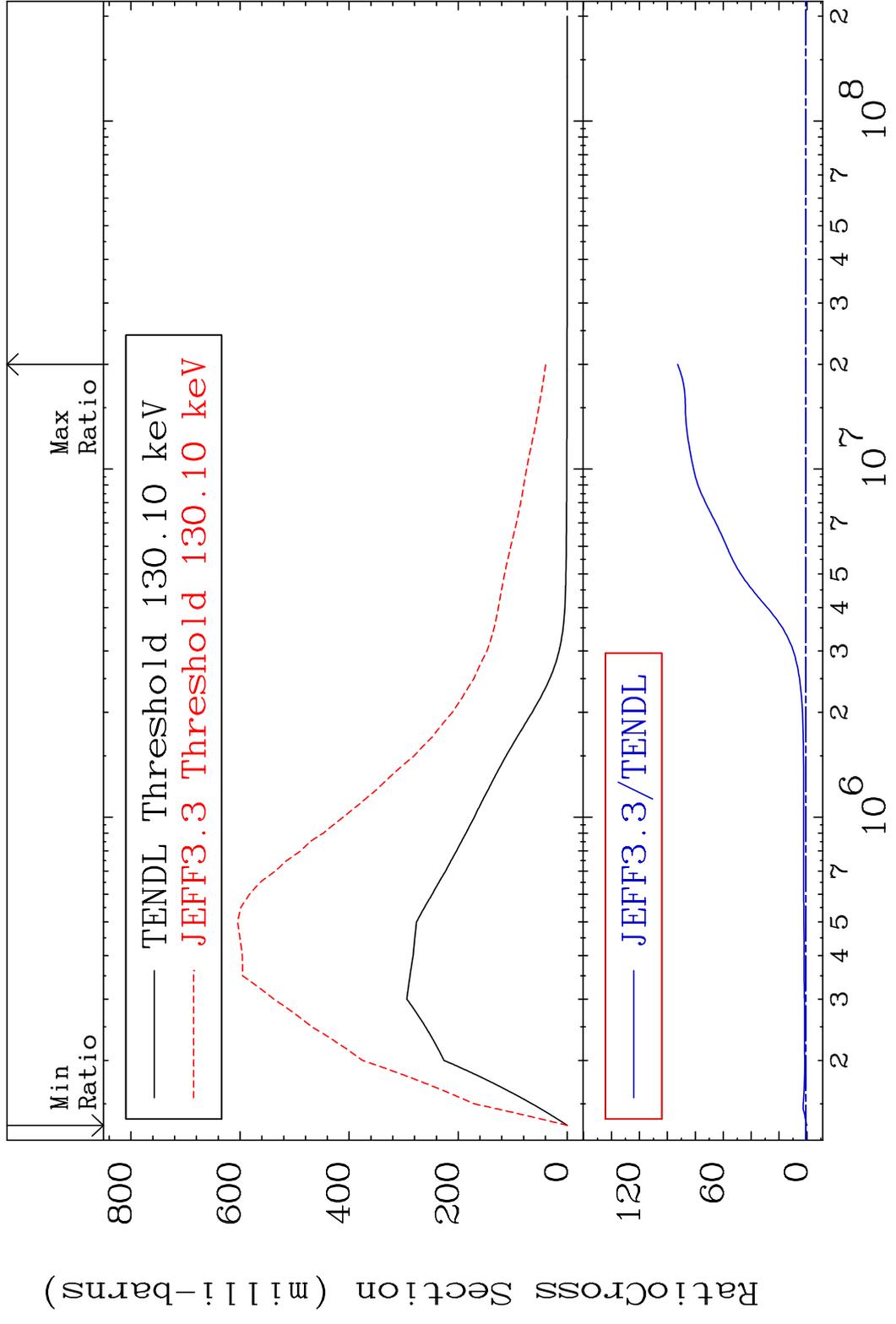
MAT 7725 MT= 51 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 75.38 %



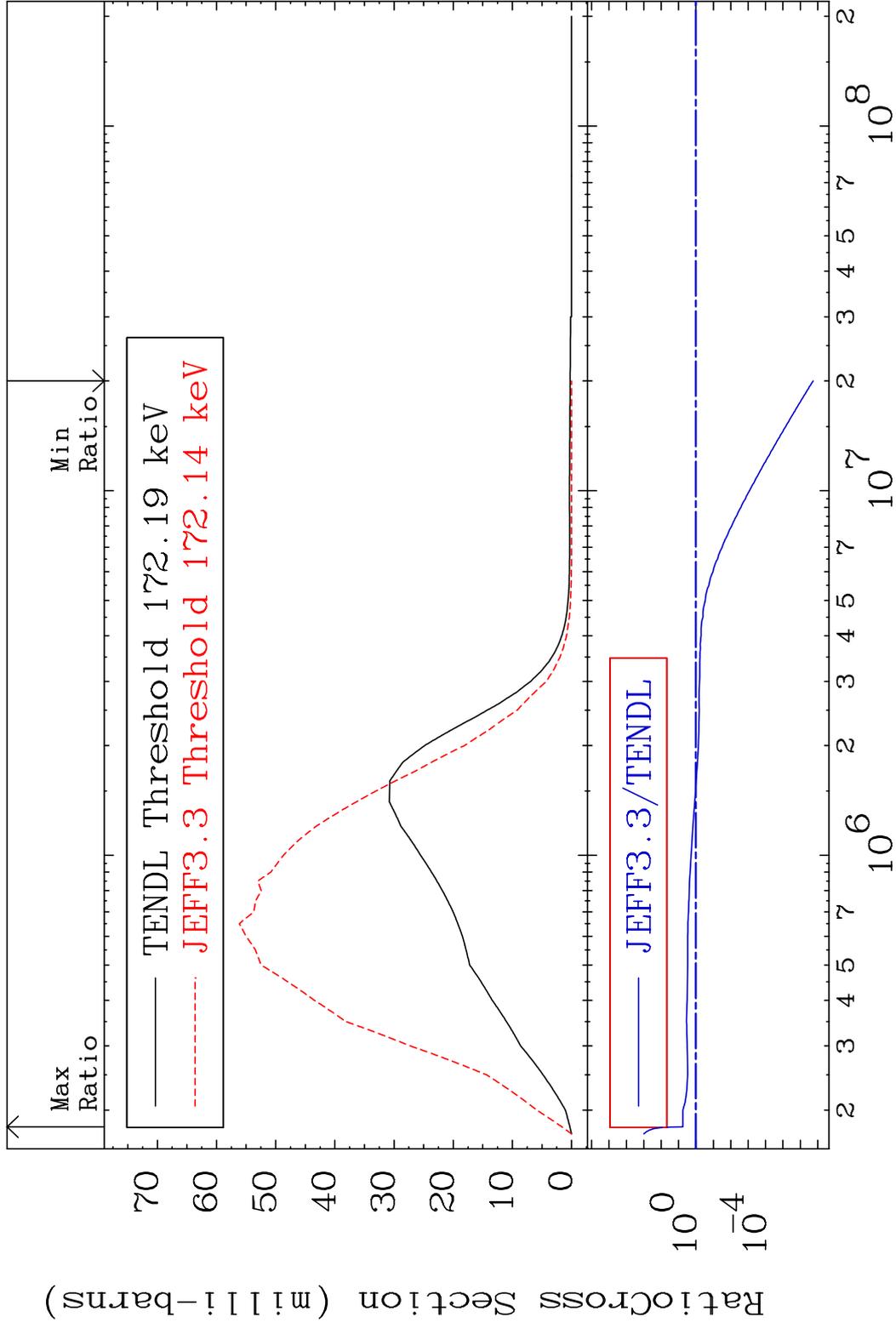
10 10 2 3 4 5 6 7 8 2 3 4 5 6 7 8 2

77-Ir-191

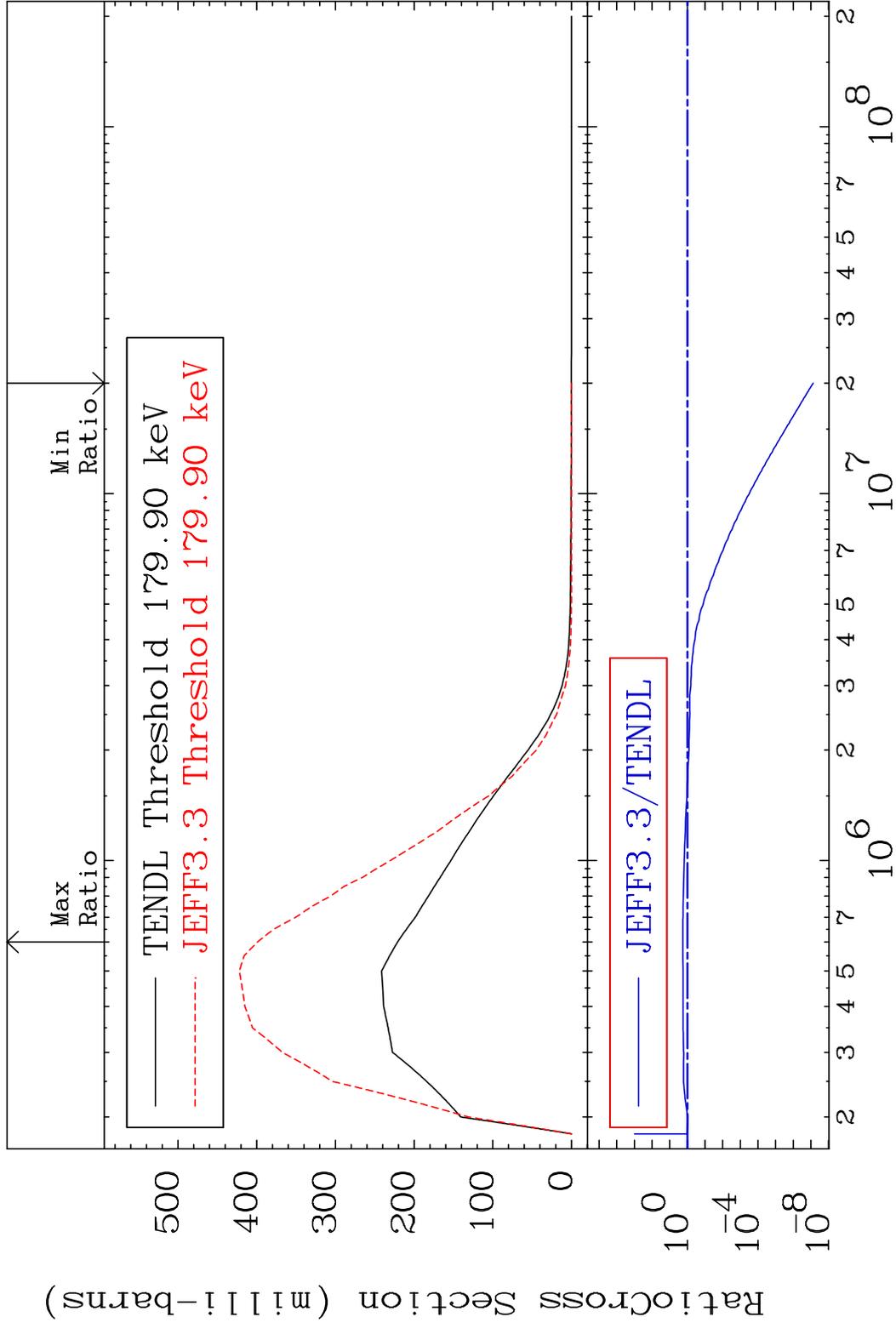
MAT 7725 MT= 52 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 9162. %



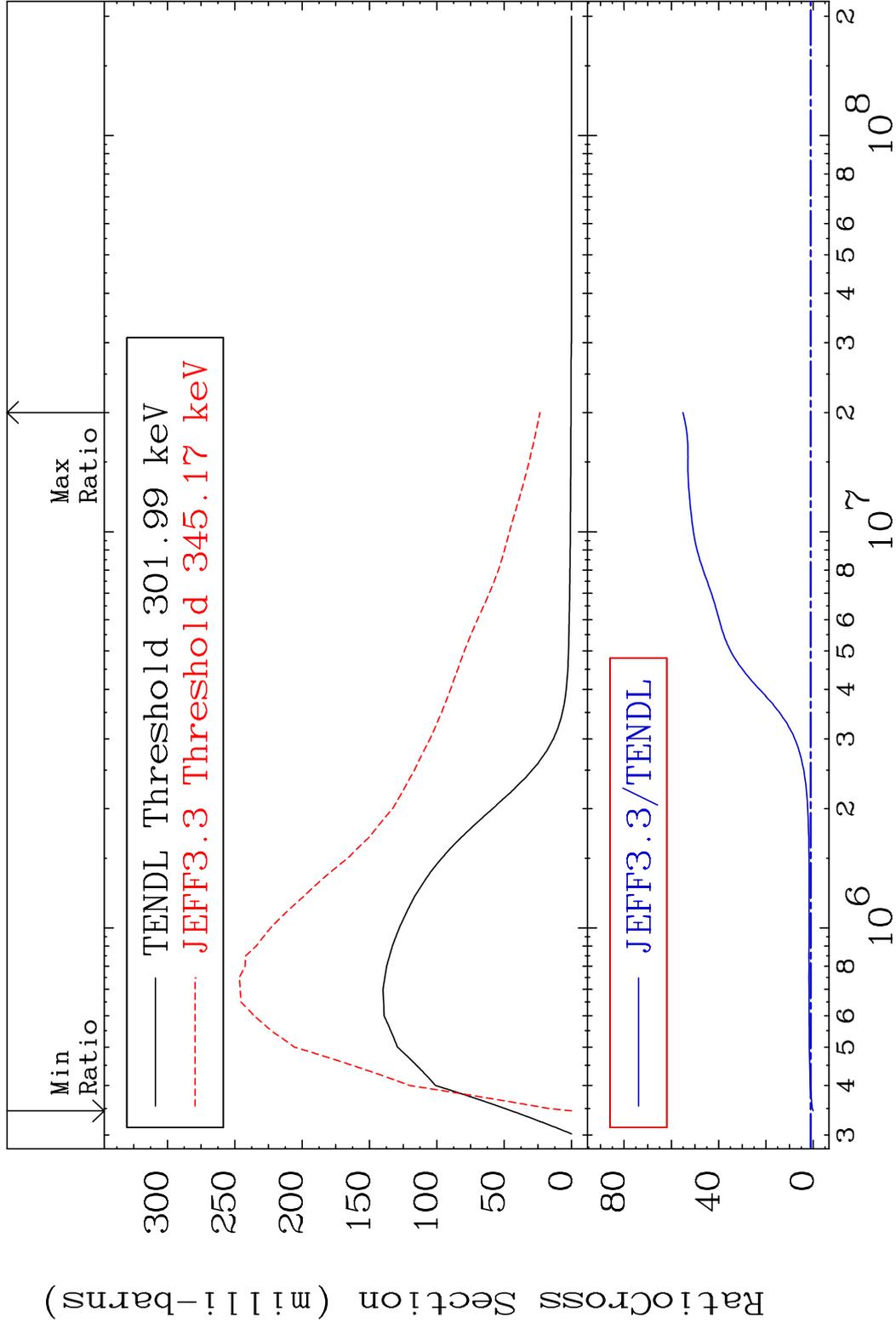
MAT 7725 MT= 53 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 470.2 %



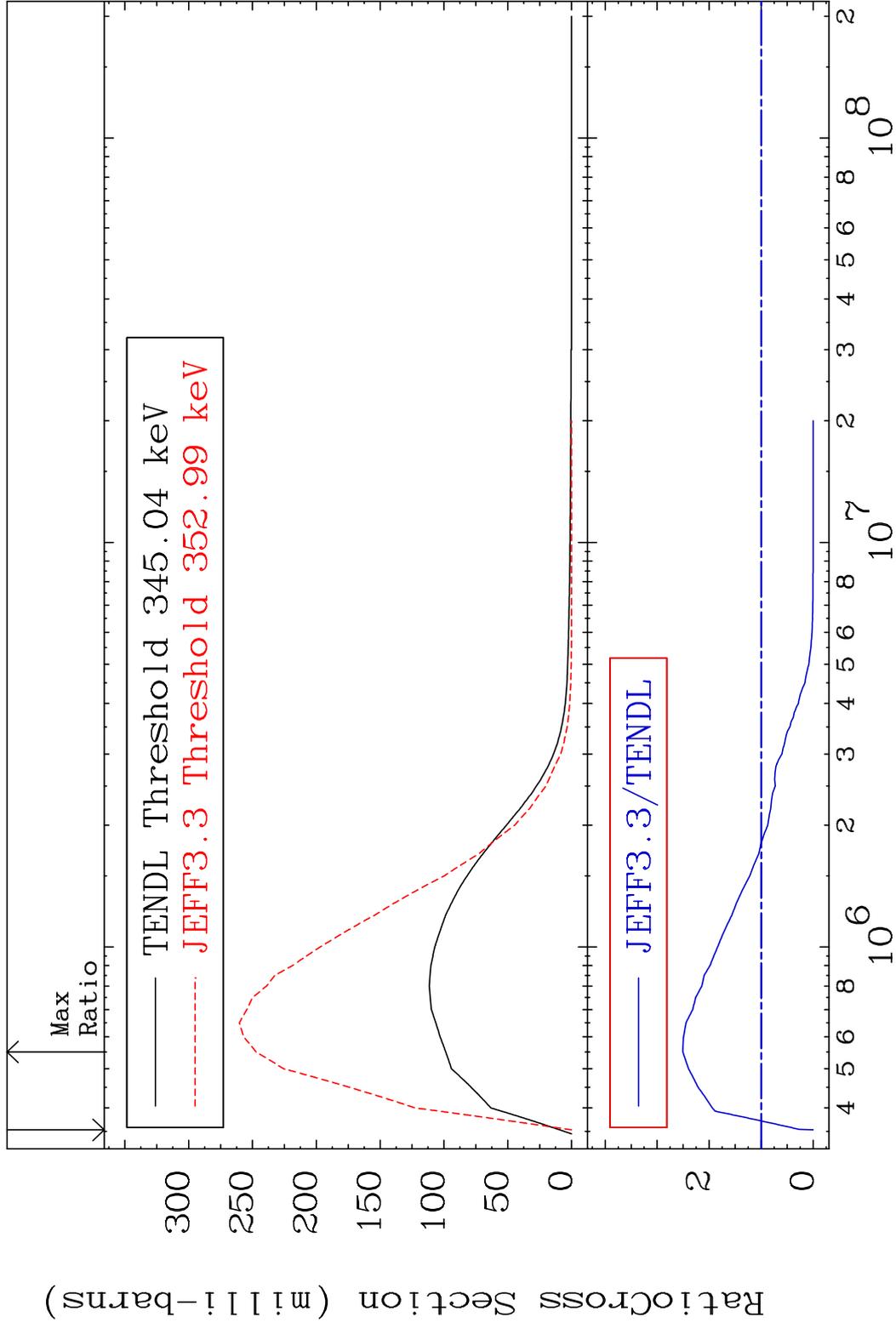
MAT 7725 MT= 54 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 80.48 %



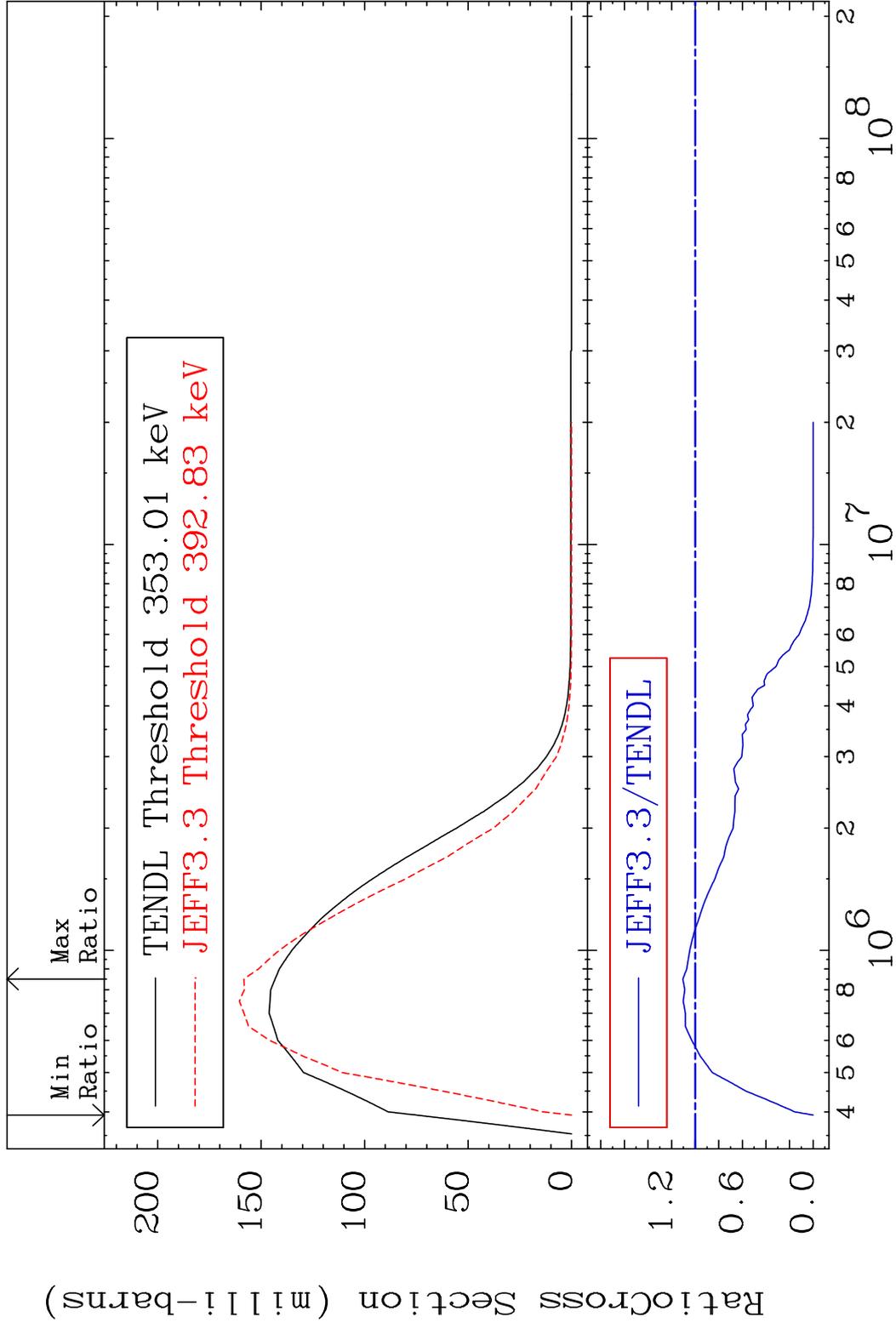
MAT 7725 MT= 55 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 5414. %



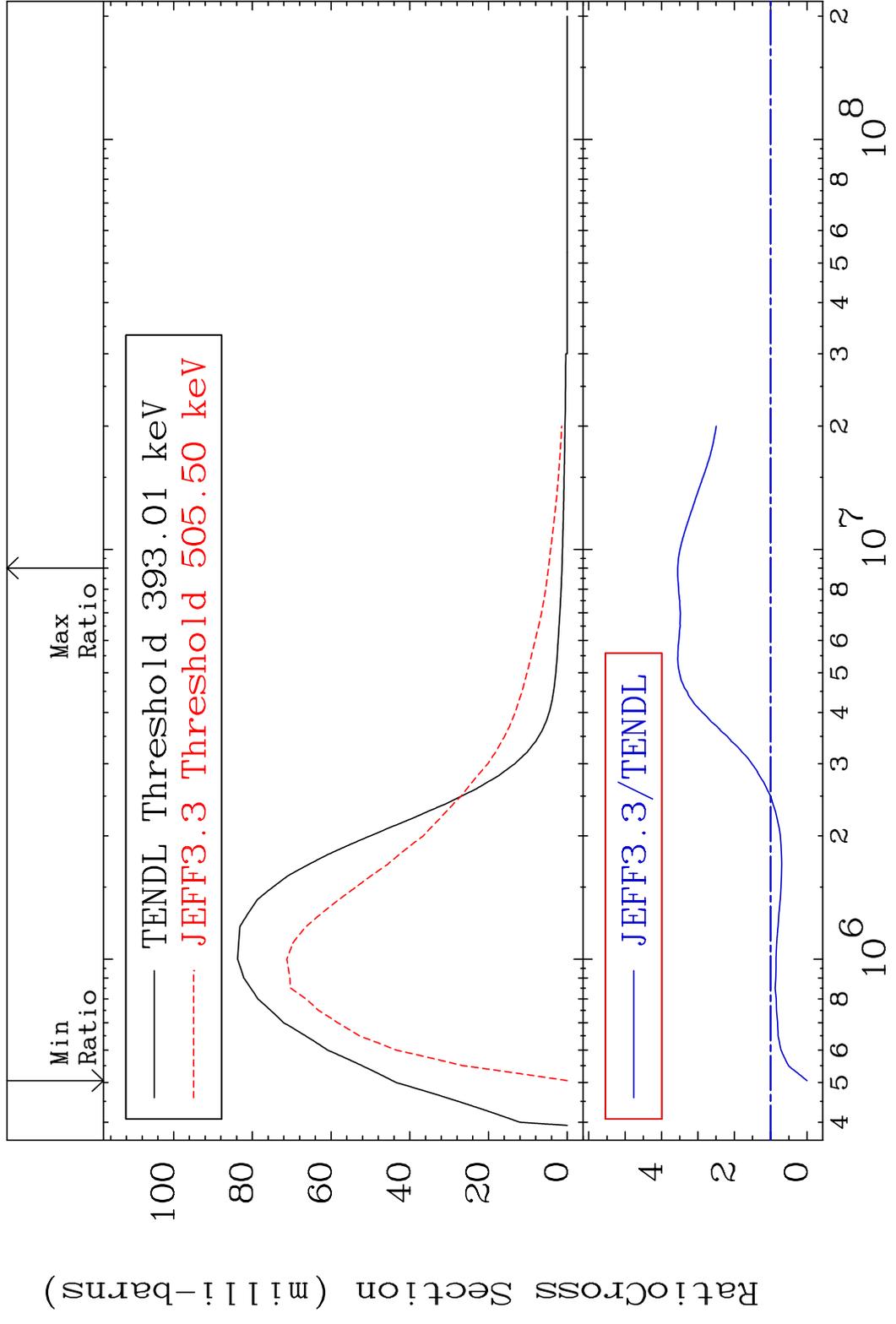
MAT 7725 MT= 56 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 150.7 %



MAT 7725 MT= 57 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 10.46 %

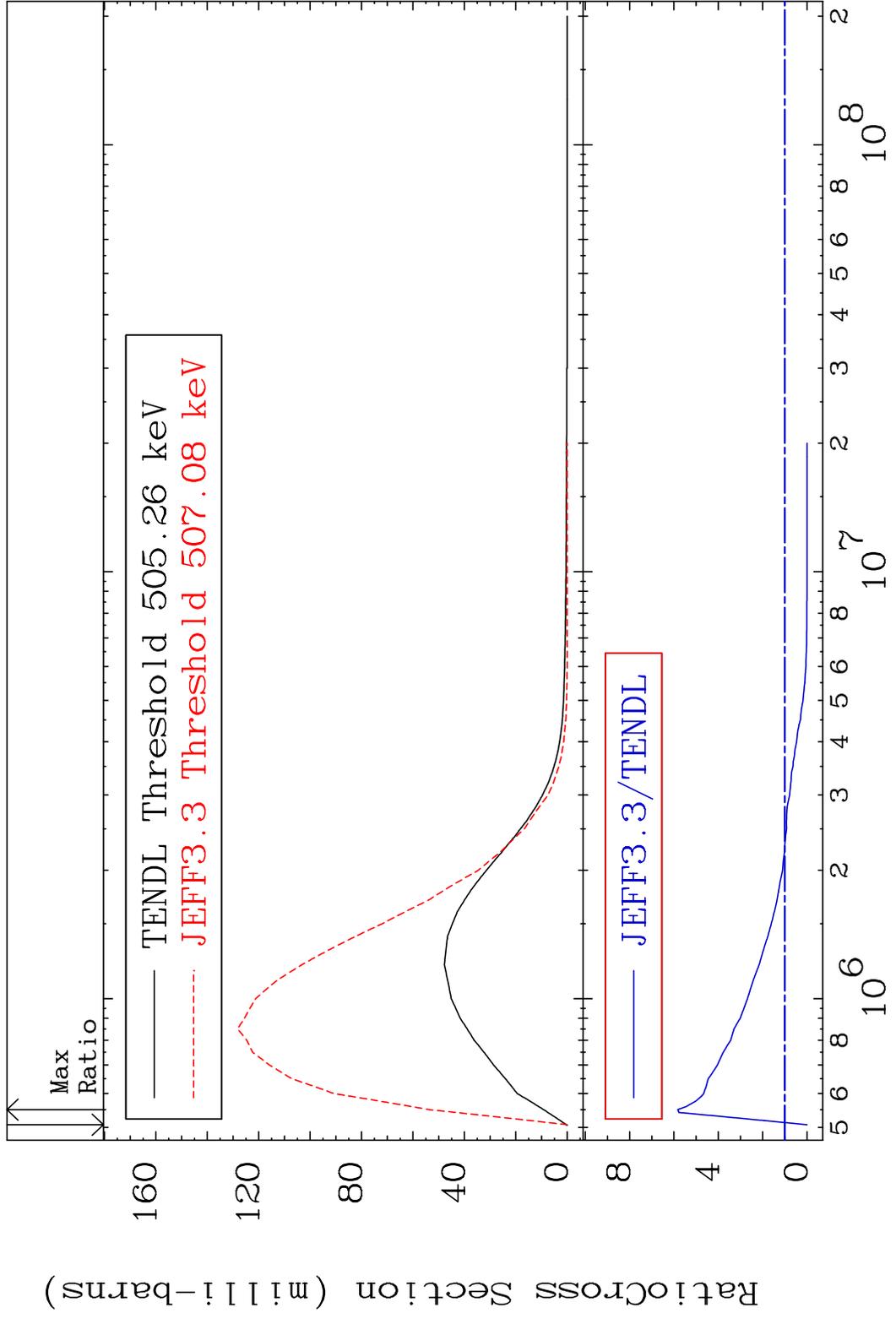


MAT 7725 MT= 58 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 255.6 %

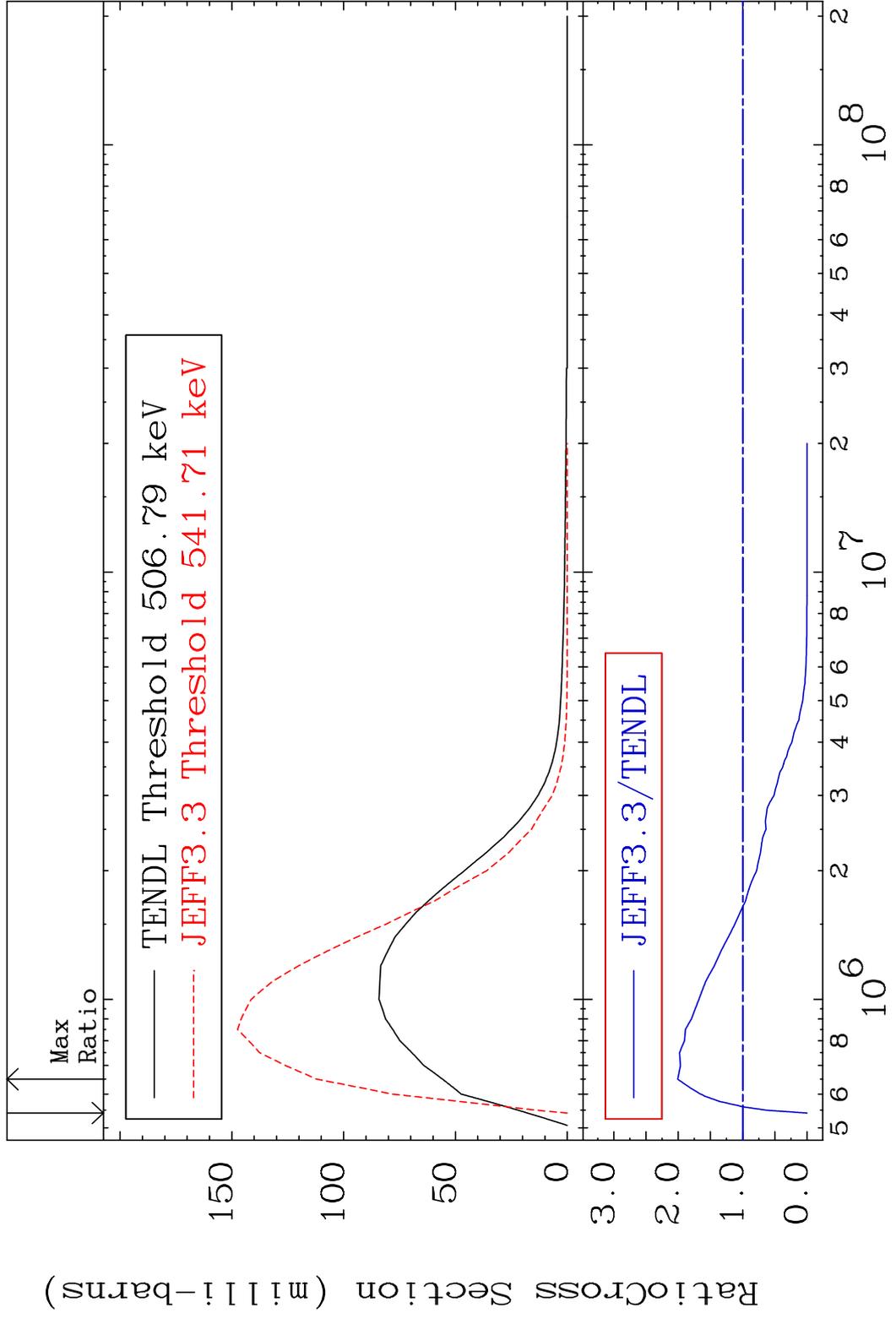


17 Incident Energy (eV) 77-Ir-191

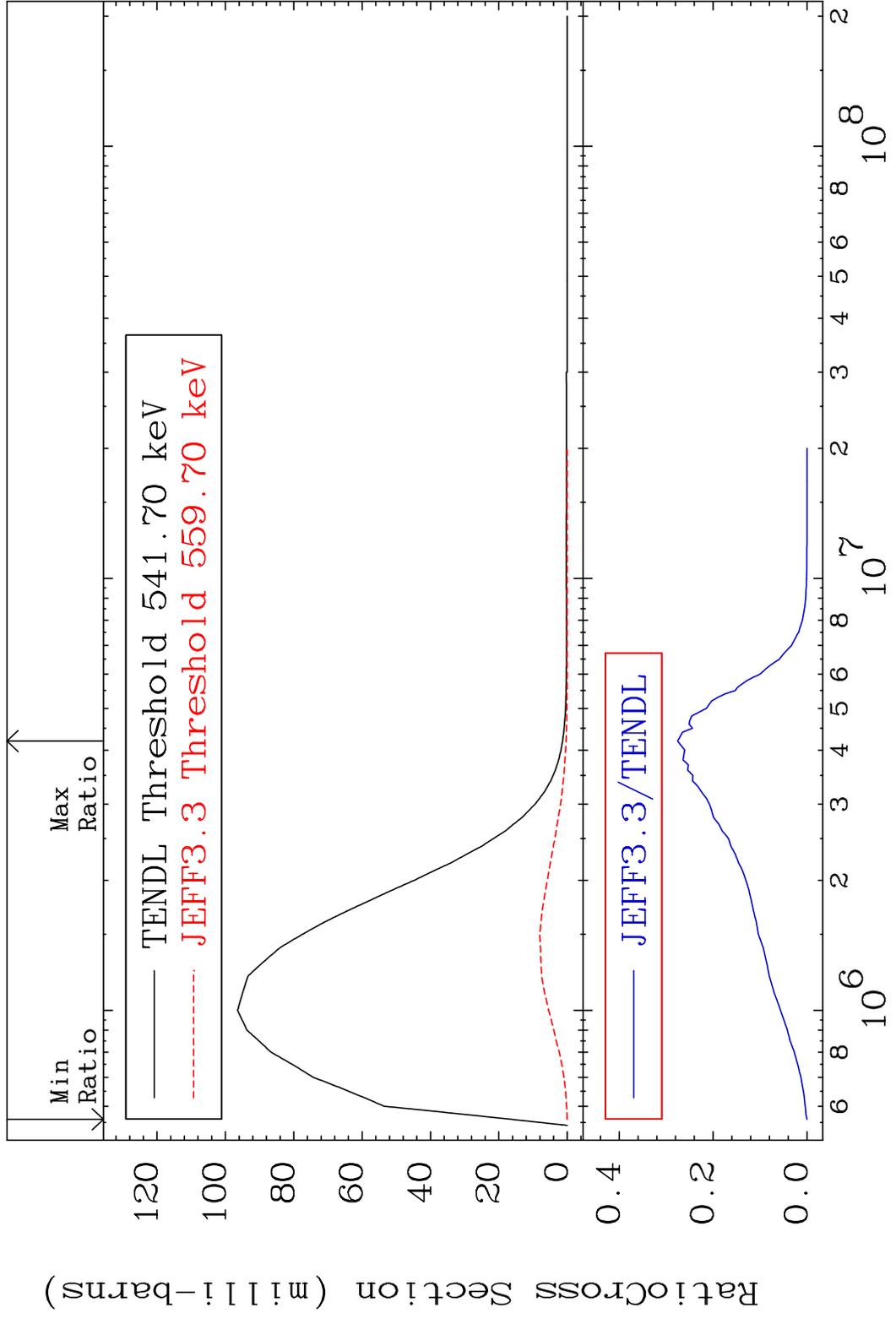
MAT 7725 MT= 59 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 483.2 %



MAT 7725 MT= 60 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 100.9 %

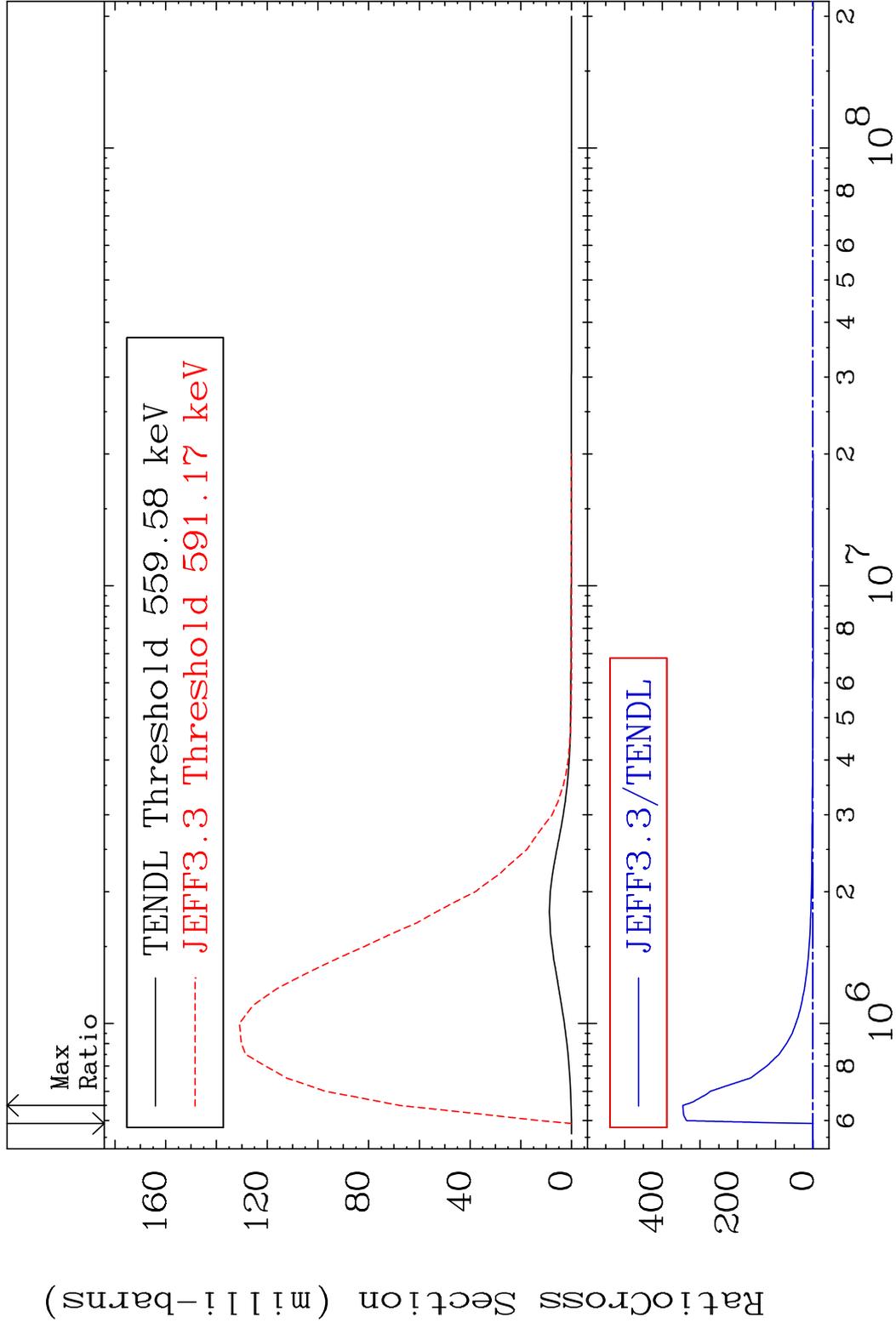


MAT 7725 MT= 61 (n, n') Level 77-Ir-191
 Cross Section -100.0 To -72.45%

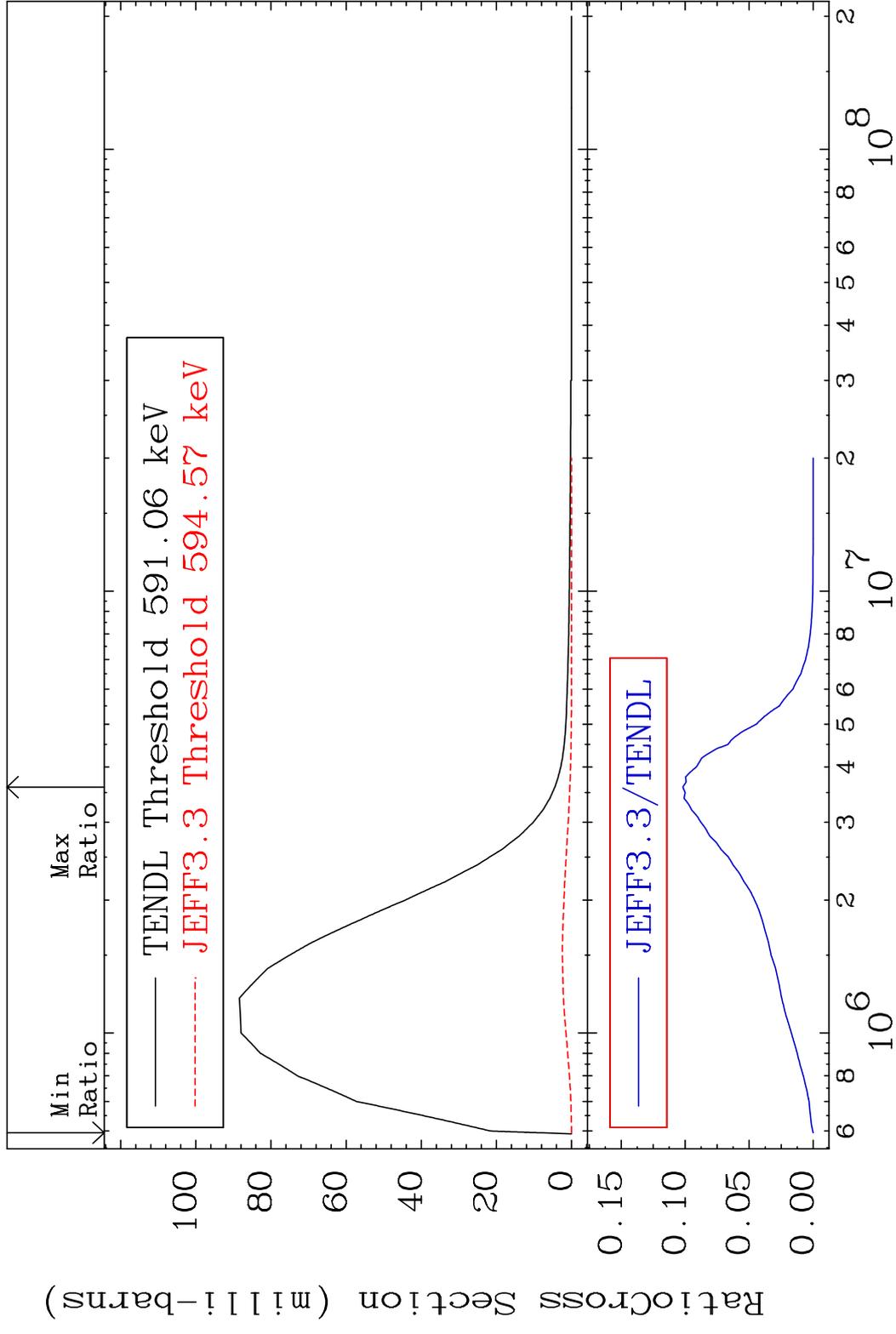


20 77-Ir-191

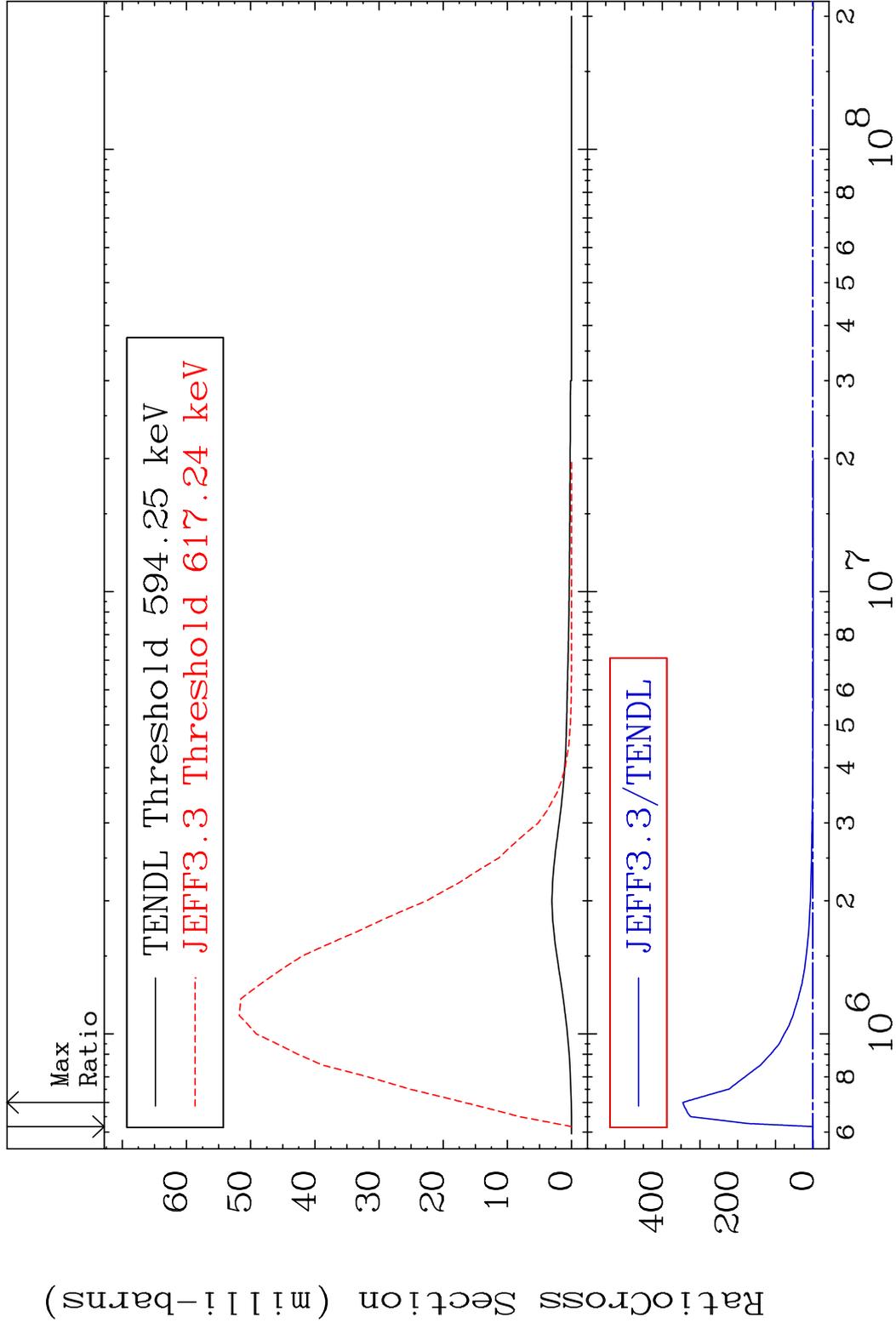
MAT 7725 MT= 62 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 9999. %



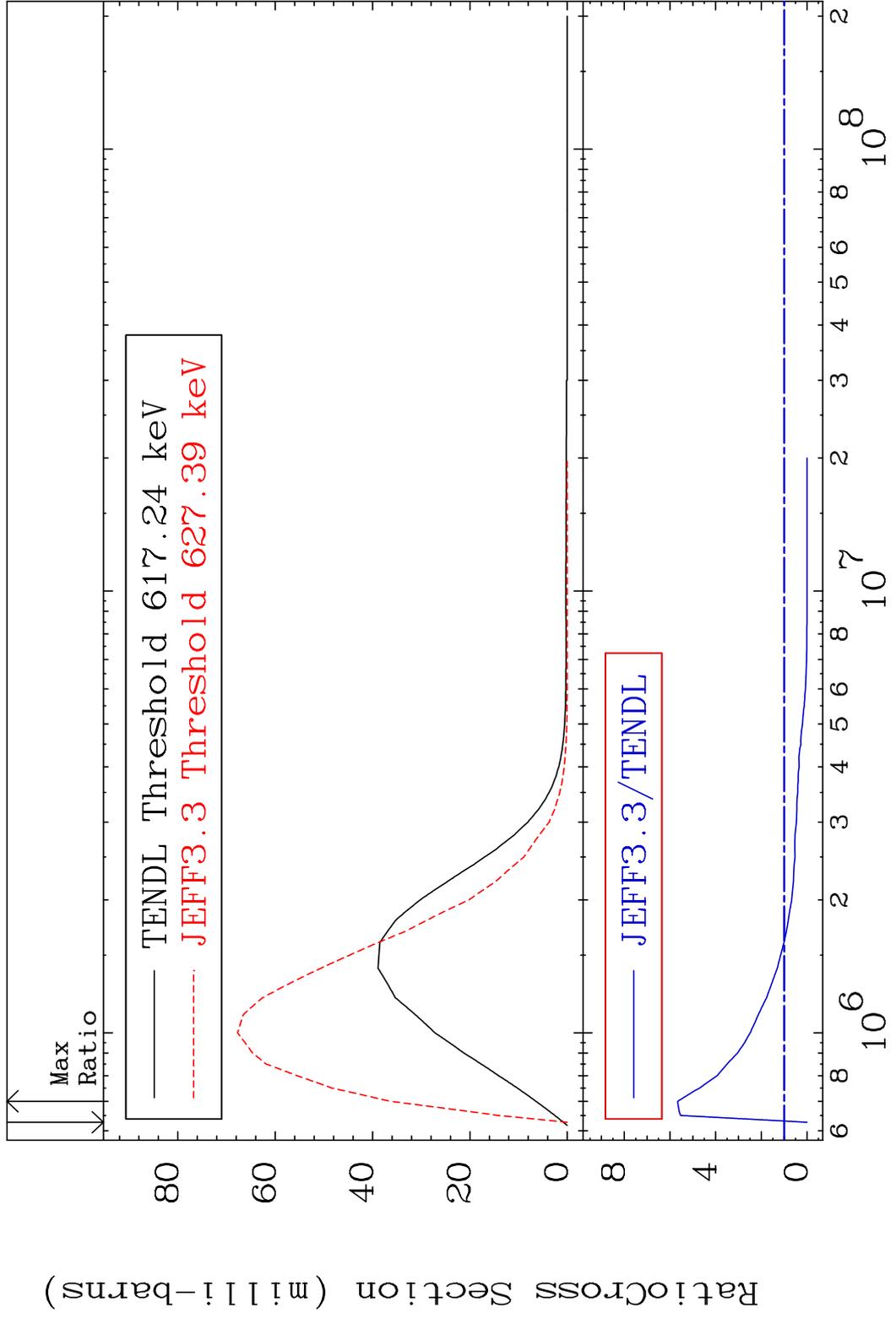
MAT 7725 MT= 63 (n, n') Level 77-Ir-191
 Cross Section -100.0 To -89.82%



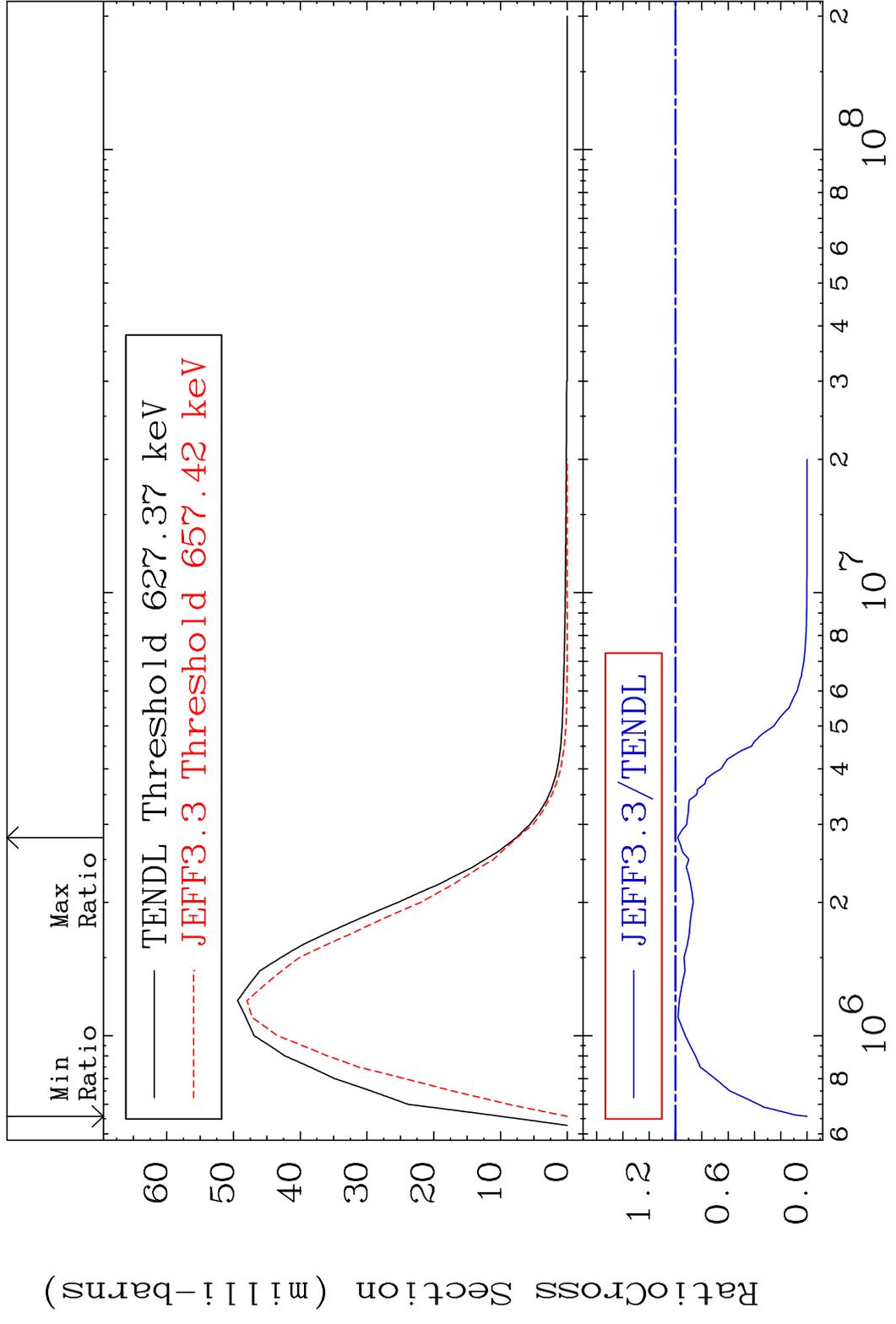
MAT 7725 MT= 64 (n, n') Level 77-Ir-191
 Cross Section -100.0 To 9999. %



MAT 7725 MT= 65 (n,n') Level 77-Ir-191
 Cross Section -100.0 To 466.3 %



MAT 7725 MT= 66 (n, n') Level 77-Ir-191
 Cross Section -100.0 To -1.641%

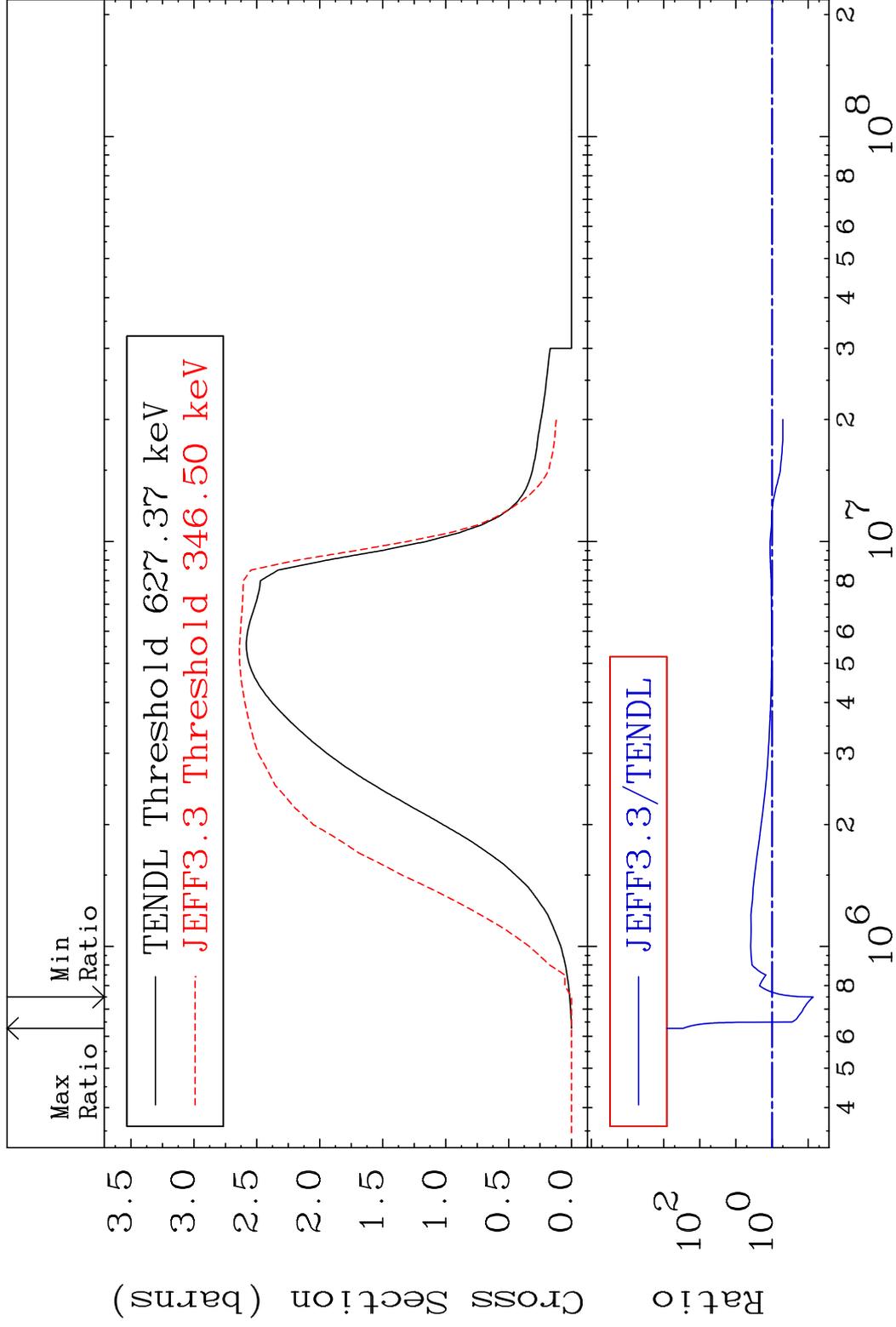


MAT 7725

(n, n') Continuum

77-Ir-191

Cross Section -92.71 To 9999. %

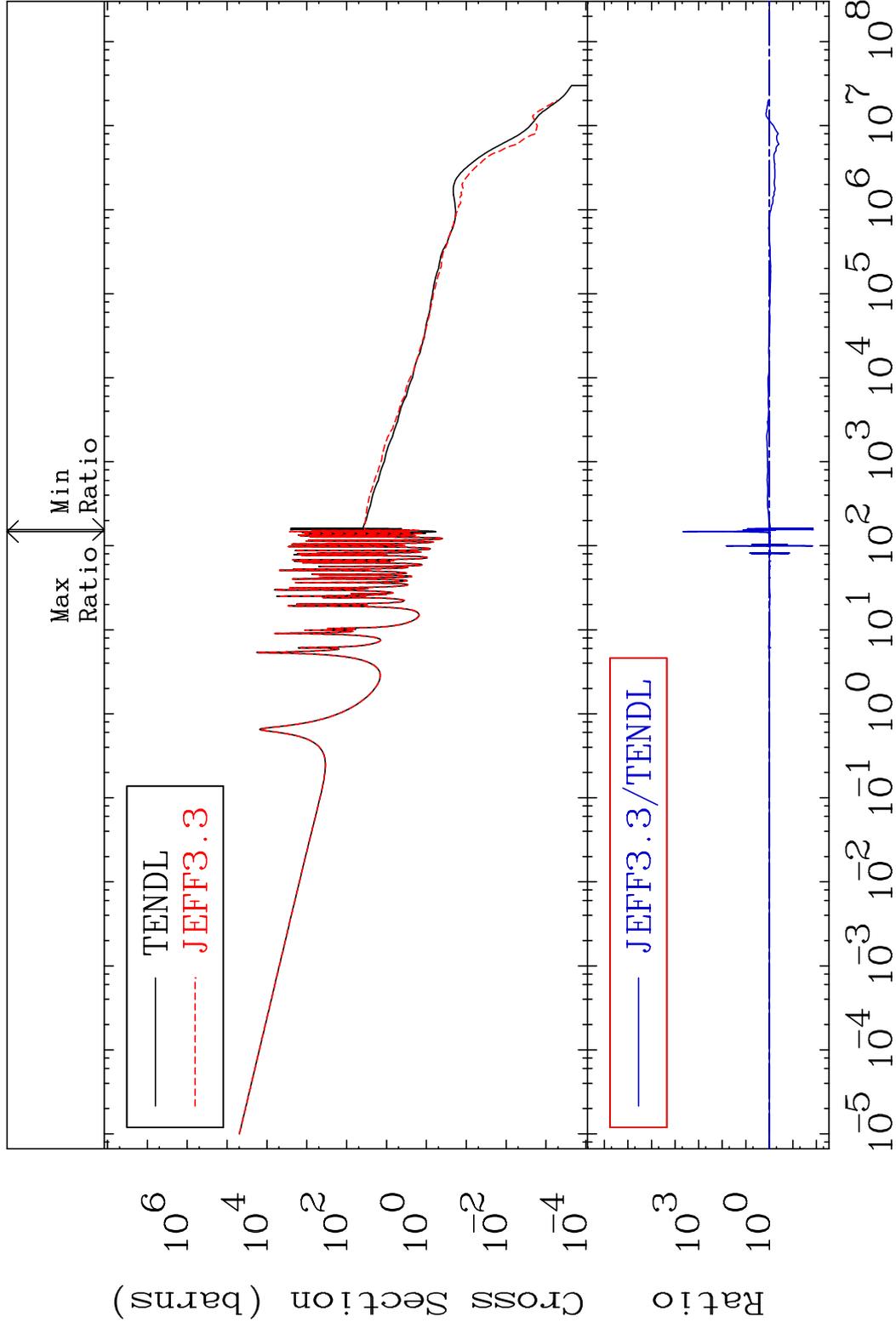


MAT 7725

(n, γ)

77-Ir-191

Cross Section -98.62 To 9999. %



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Incident Energy (eV)

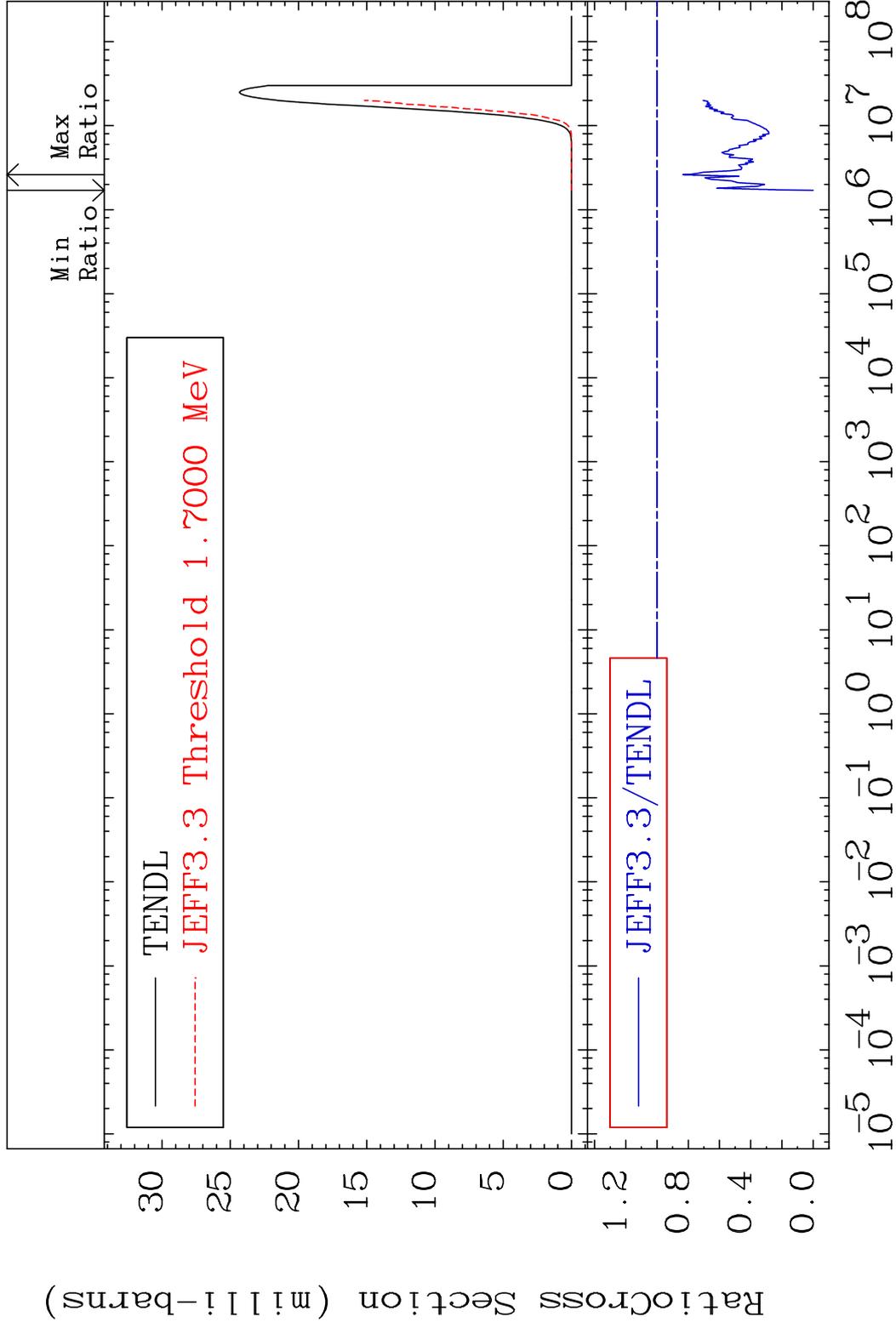
77-Ir-191

MAT 7725

(n, p)

77-Ir-191

Cross Section -100.0 To -16.52%

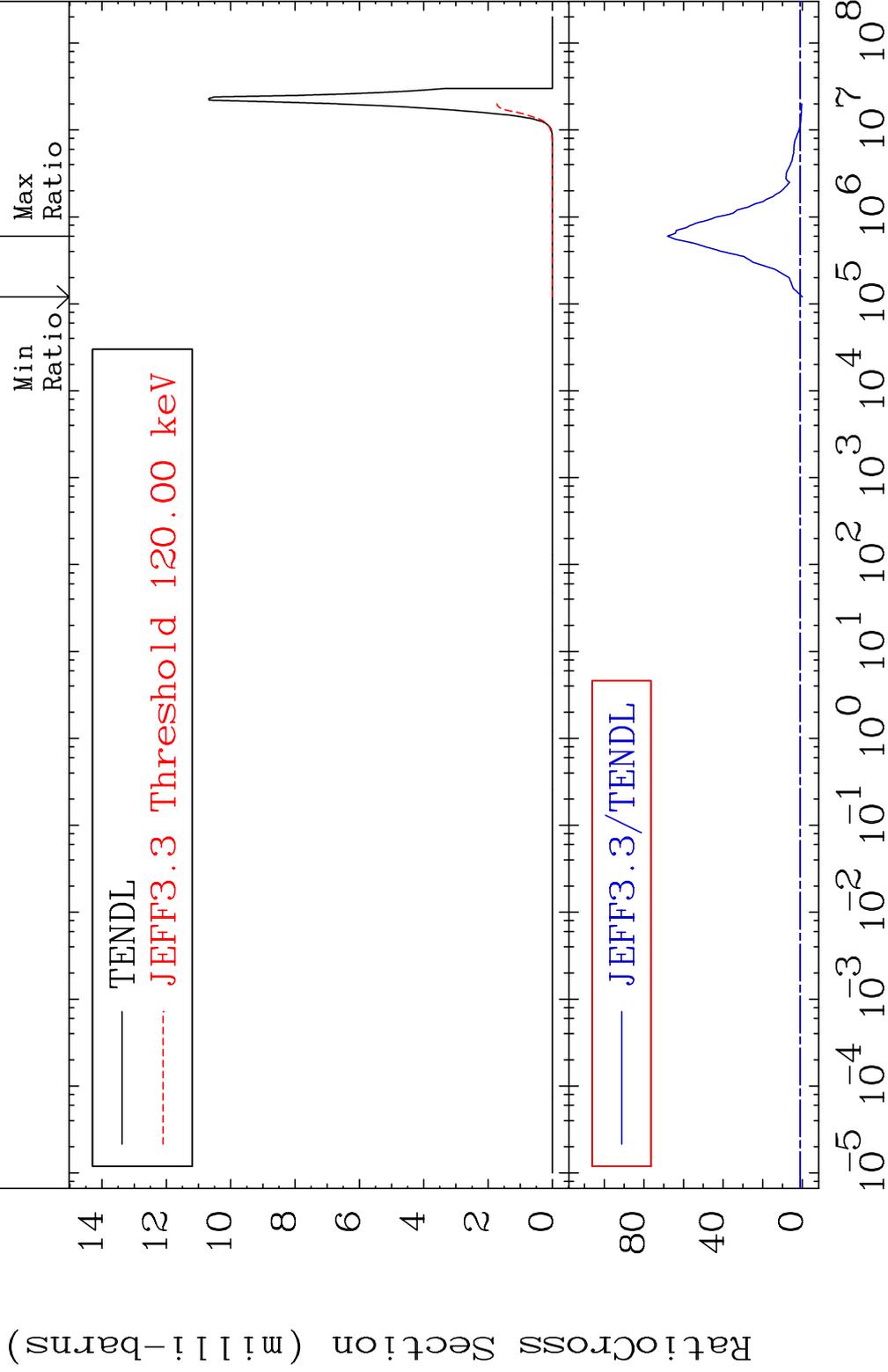


MAT 7725

(n, α)

77-Ir-191

Cross Section -100.0 To 6708. %



29

Incident Energy (eV)

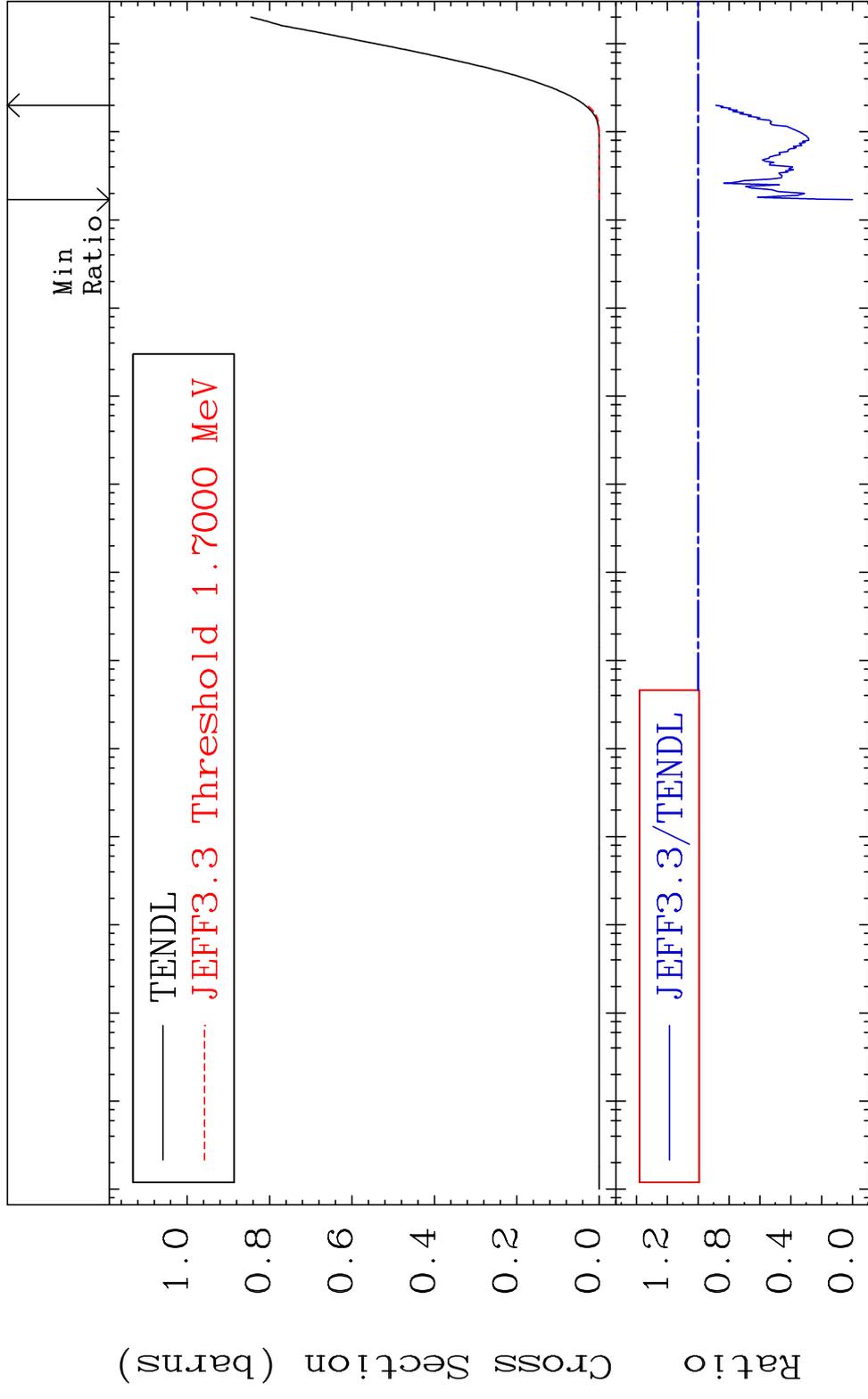
77-Ir-191

MAT 7725

Hydrogen Production

77-Ir-191

Cross Section -100.0 To -11.46%

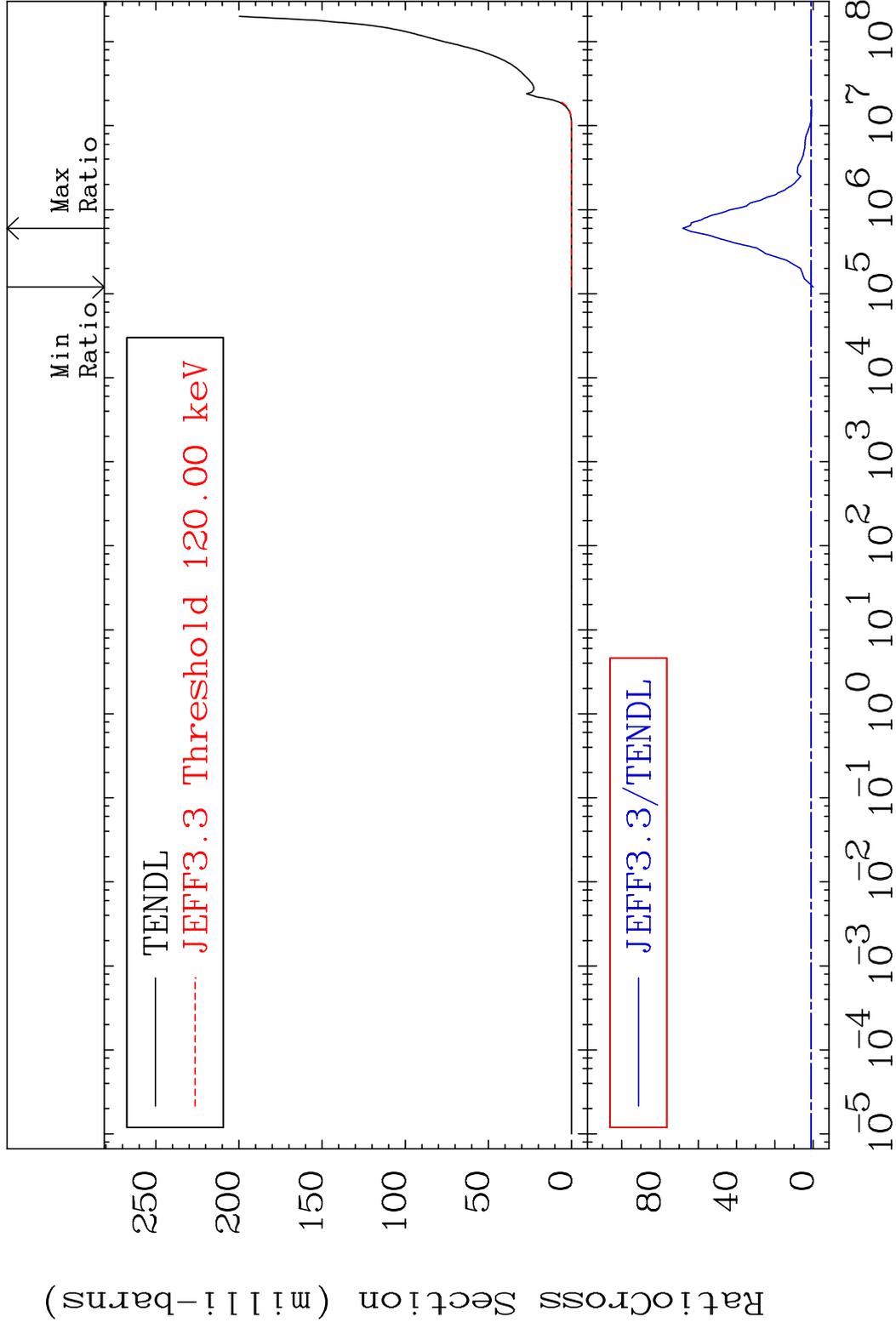


MAT 7725

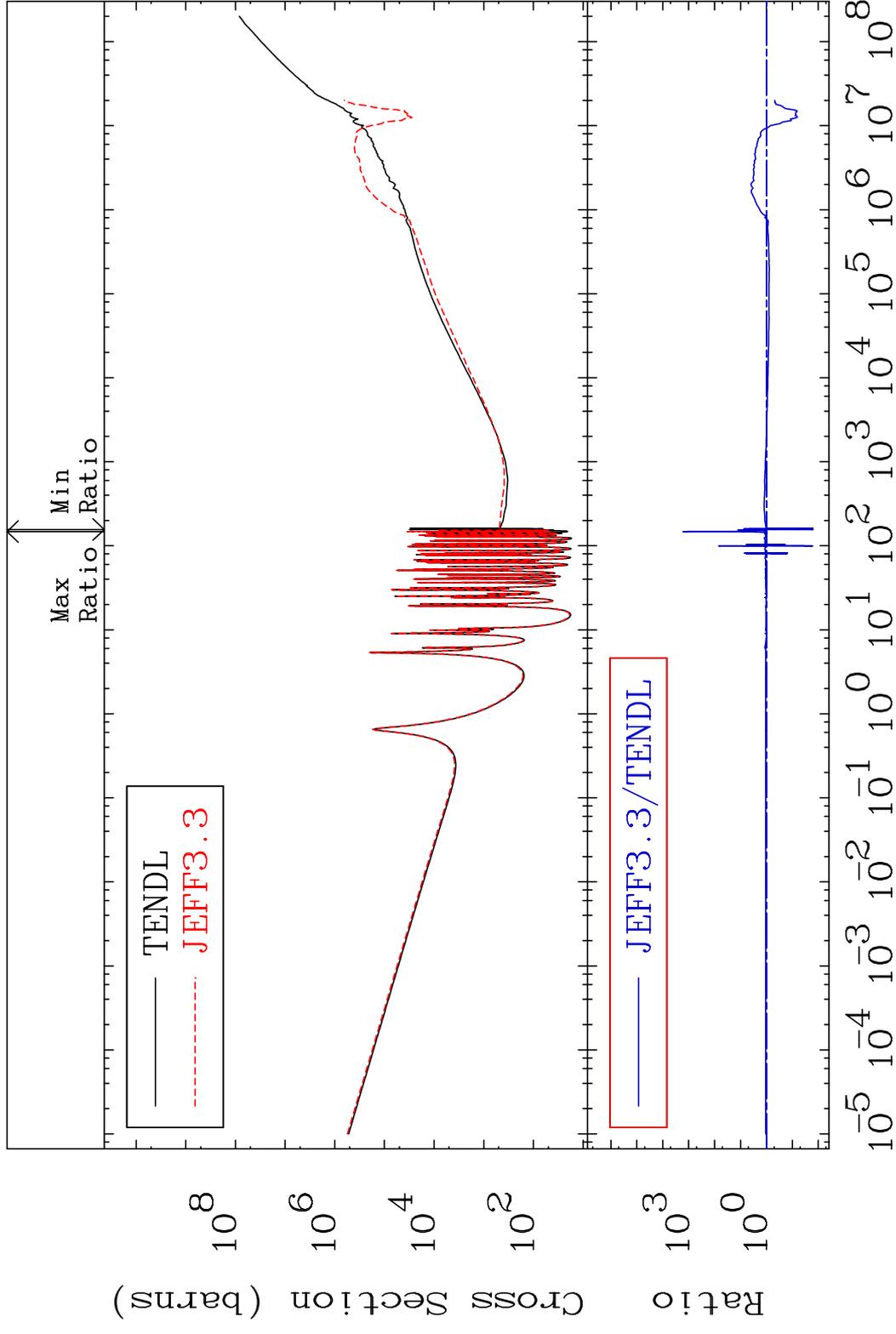
He-4 Production

77-Ir-191

Cross Section -100.0 To 6708. %



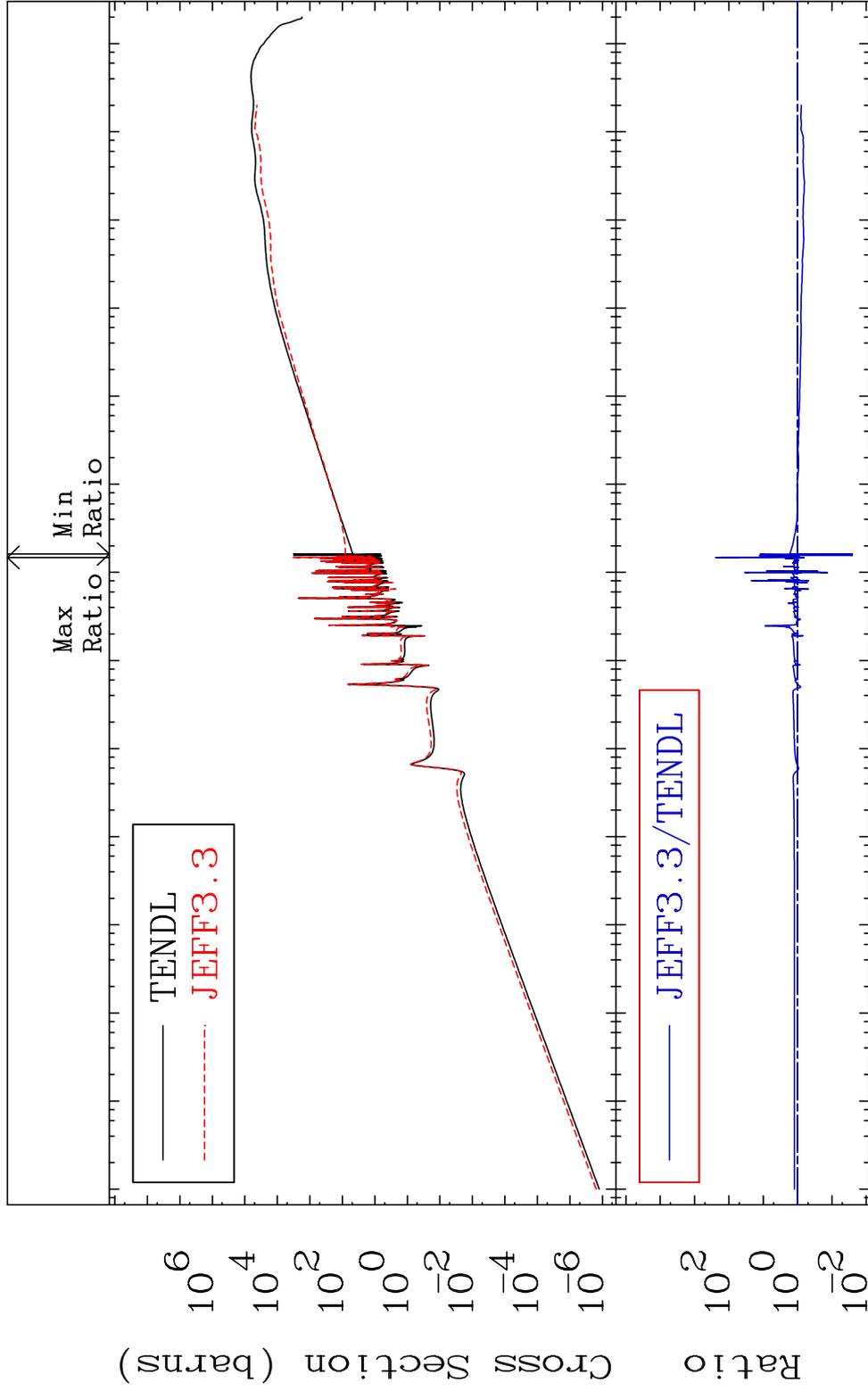
MAT 7725 Kerma total (eV-barns) 77-Ir-191
 Cross Section -98.43 To 9999. %



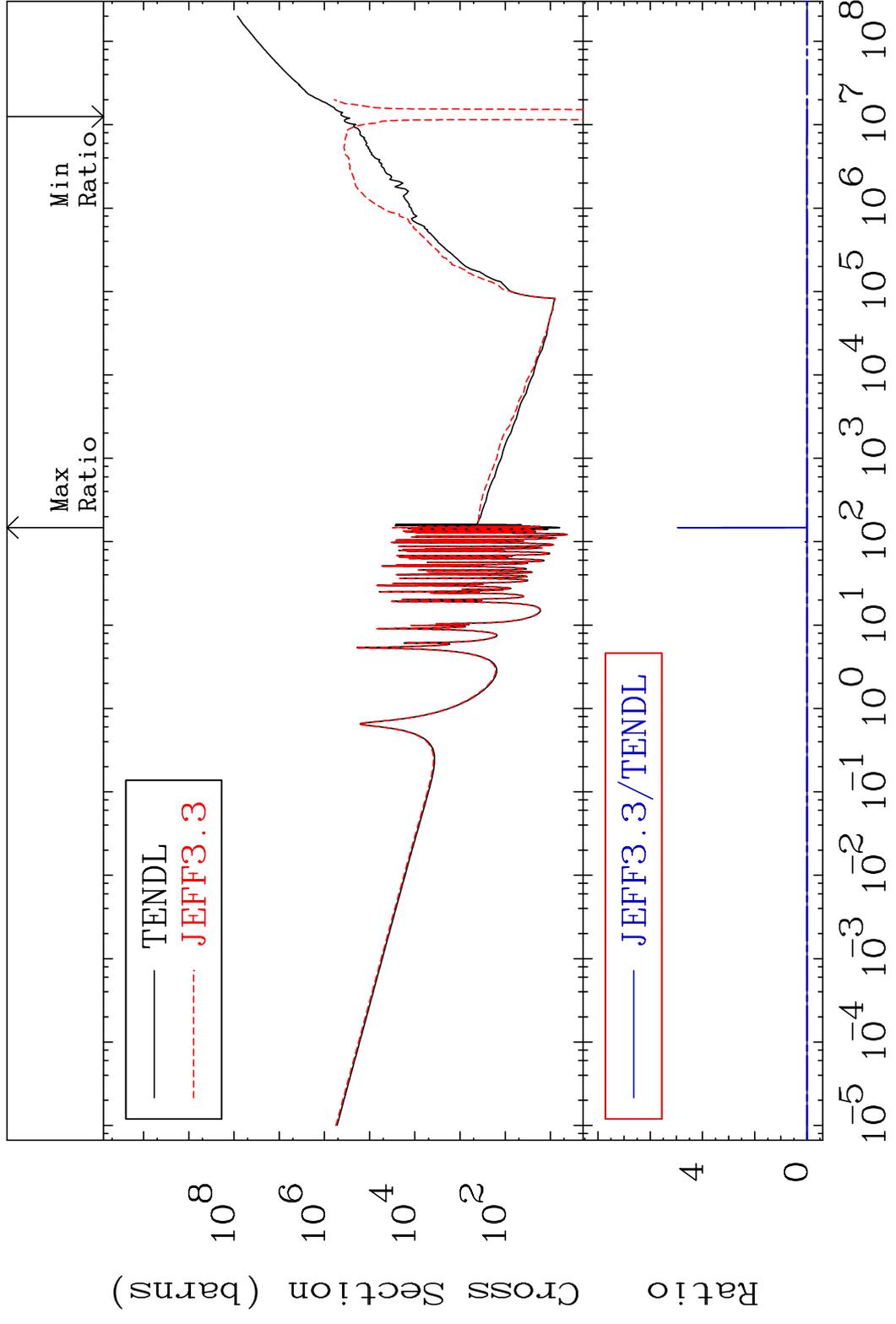
32 Incident Energy (eV) 77-Ir-191

MAT 7725

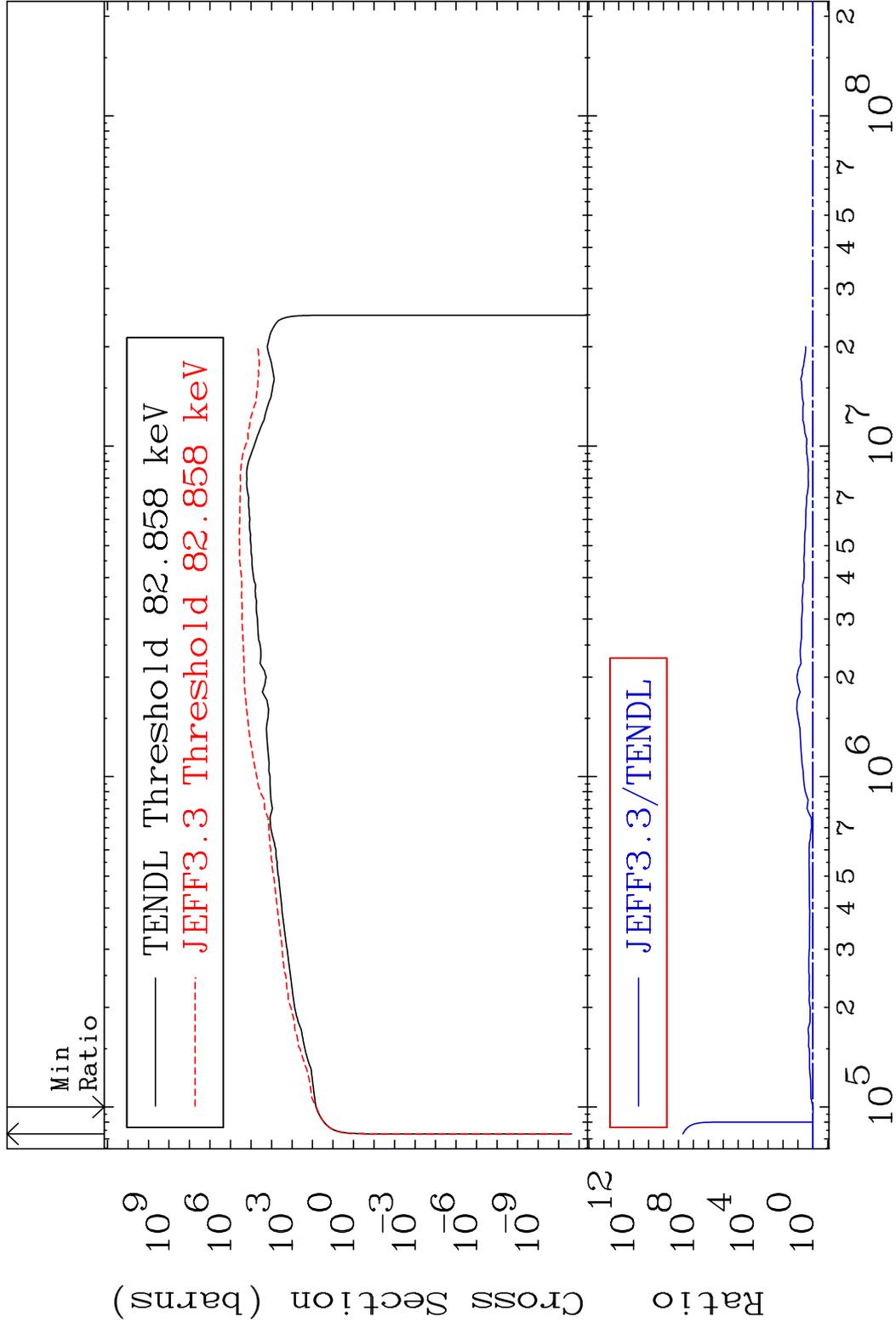
Kerma elastic Cross Section -97.48 To 9999. %
77-Ir-191



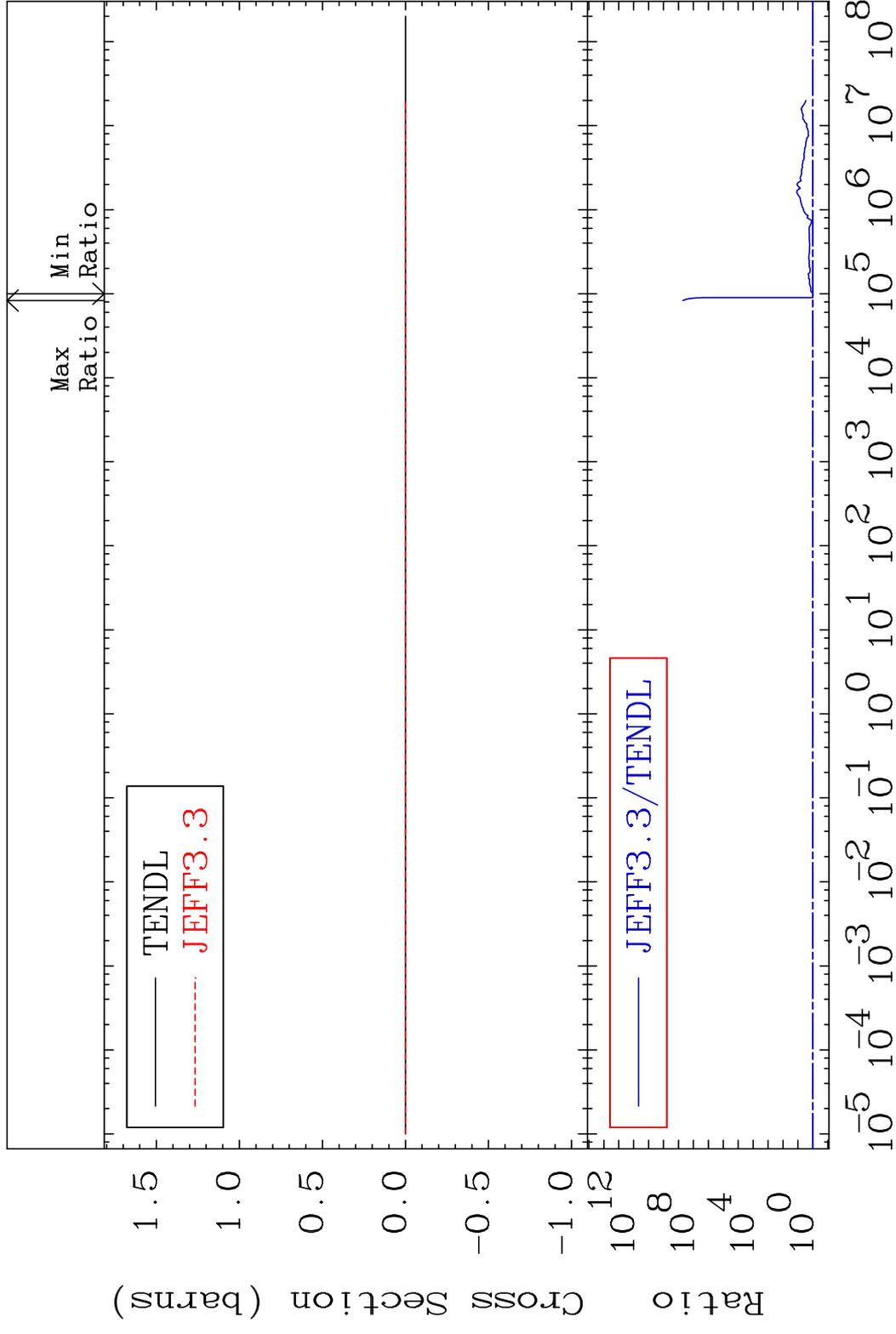
MAT 7725 Kerma non-elastic (all but mt2) 77-Ir-191
 Cross Section -105.2 To 9999. %



MAT 7725 Kerma inelastic (mt51-91) 77-Ir-191
 Cross Section -4.850 To 9999. %

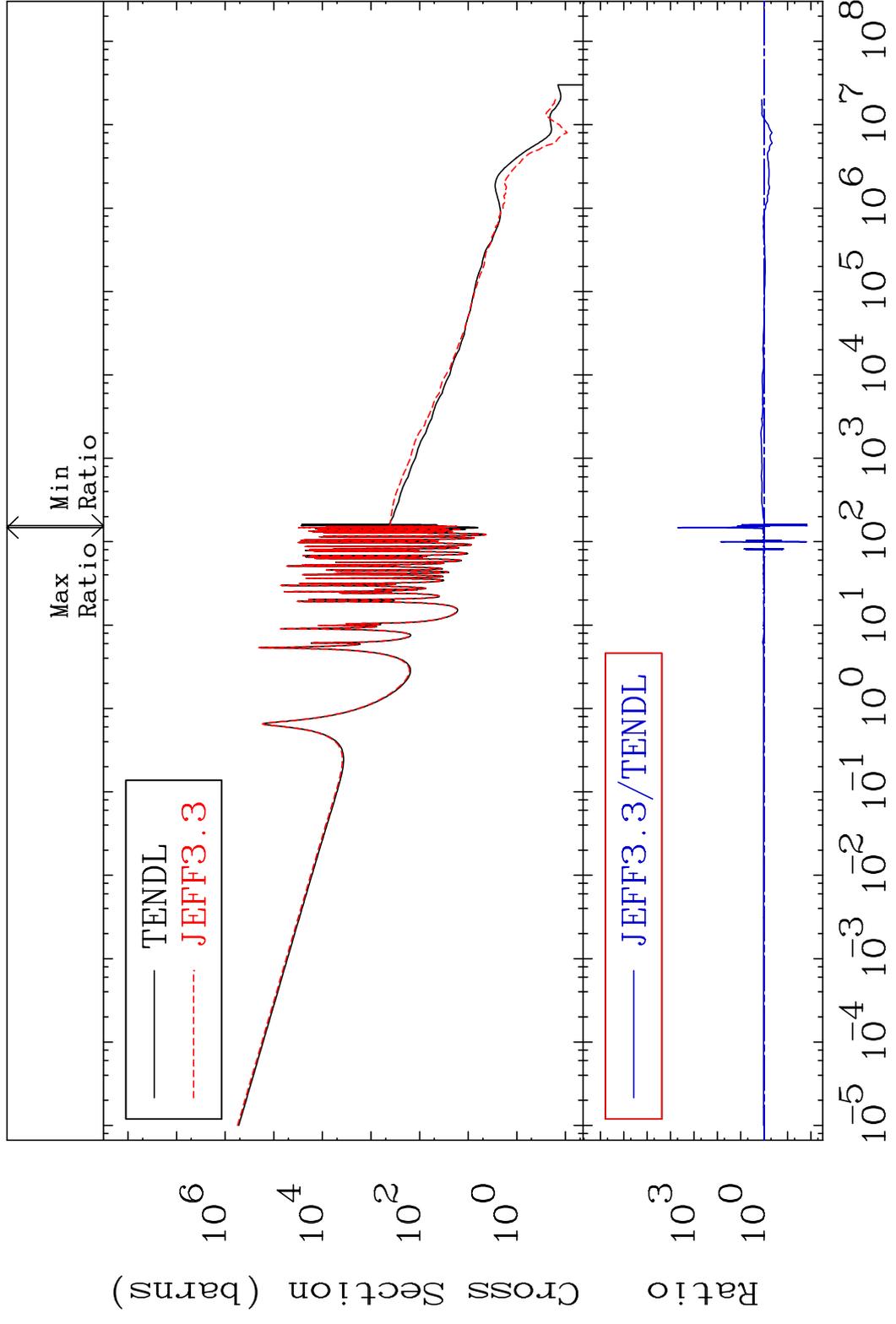


MAT 7725 Kerma fission (mt18 or mt19-20-21-38)77-Ir-191
 Cross Section -4.850 To 9999. %



MAT 7725

Kerma capture (mt102) 77-Ir-191
Cross Section -98.54 To 9999. %



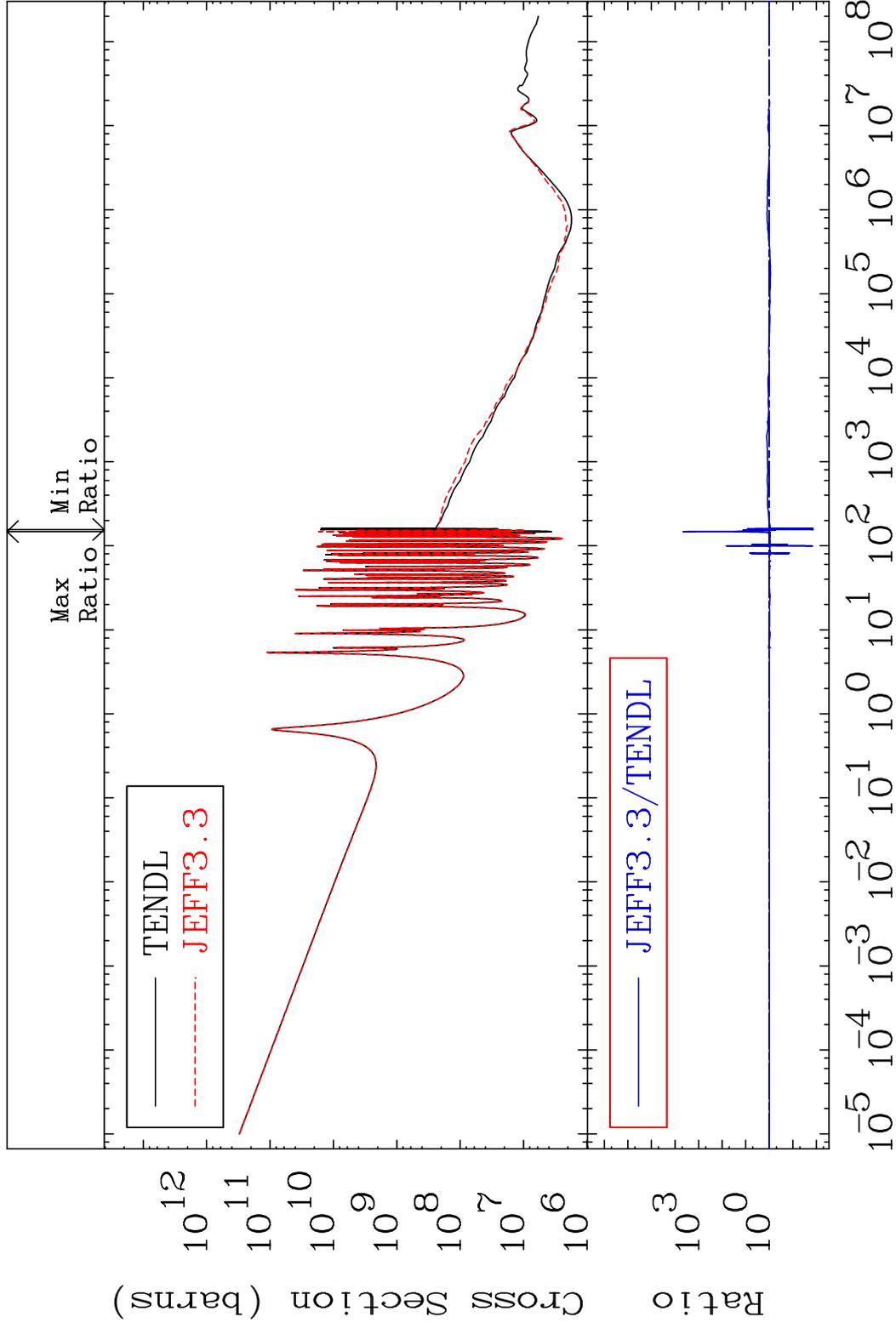
37

Incident Energy (eV)

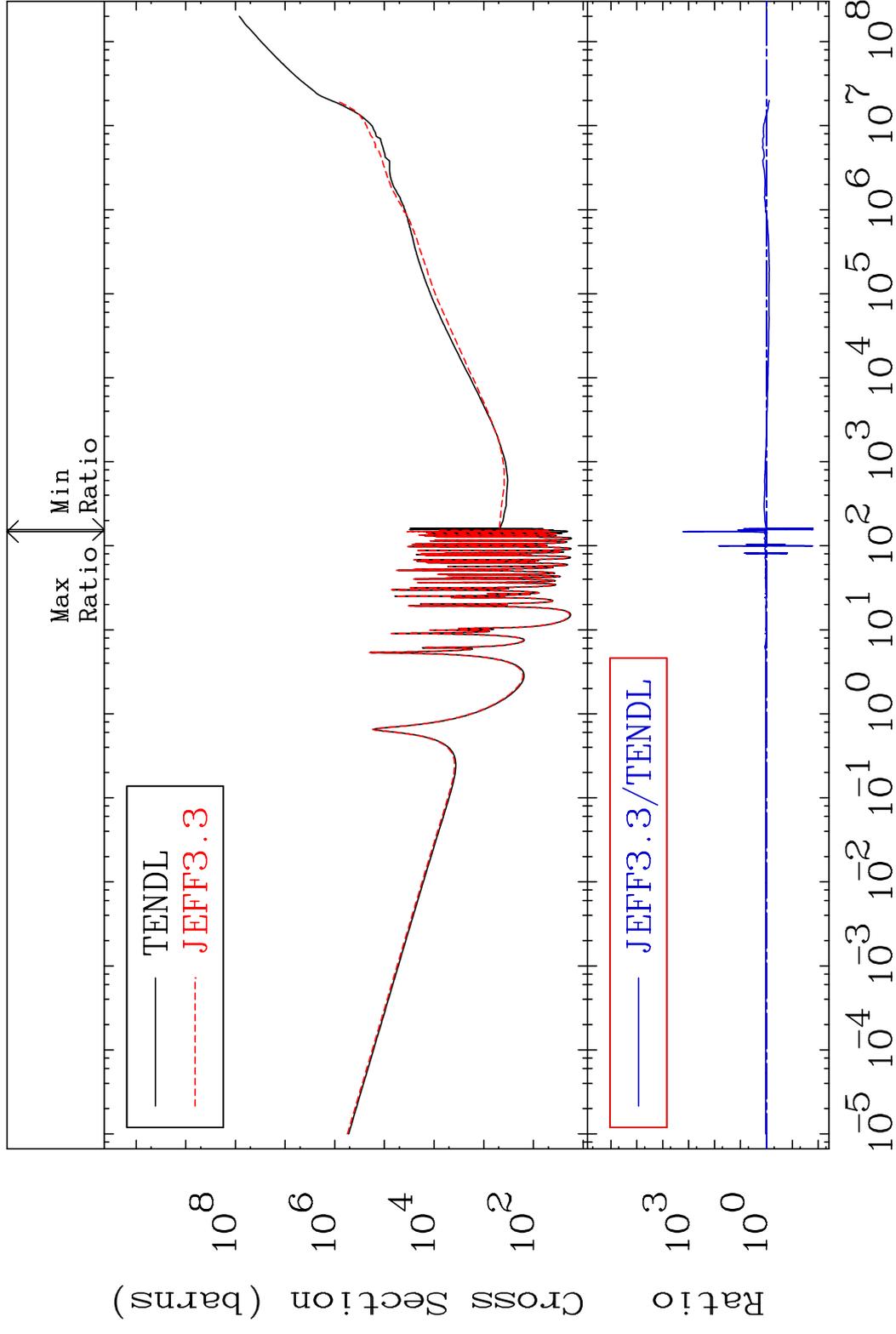
77-Ir-191

MAT 7725

Total photon (eV-barns) 77-Ir-191
Cross Section -98.63 To 9999. %



MAT 7725 Total kinematic kerma (high limit) 77-Ir-191
 Cross Section -98.43 To 9999. %

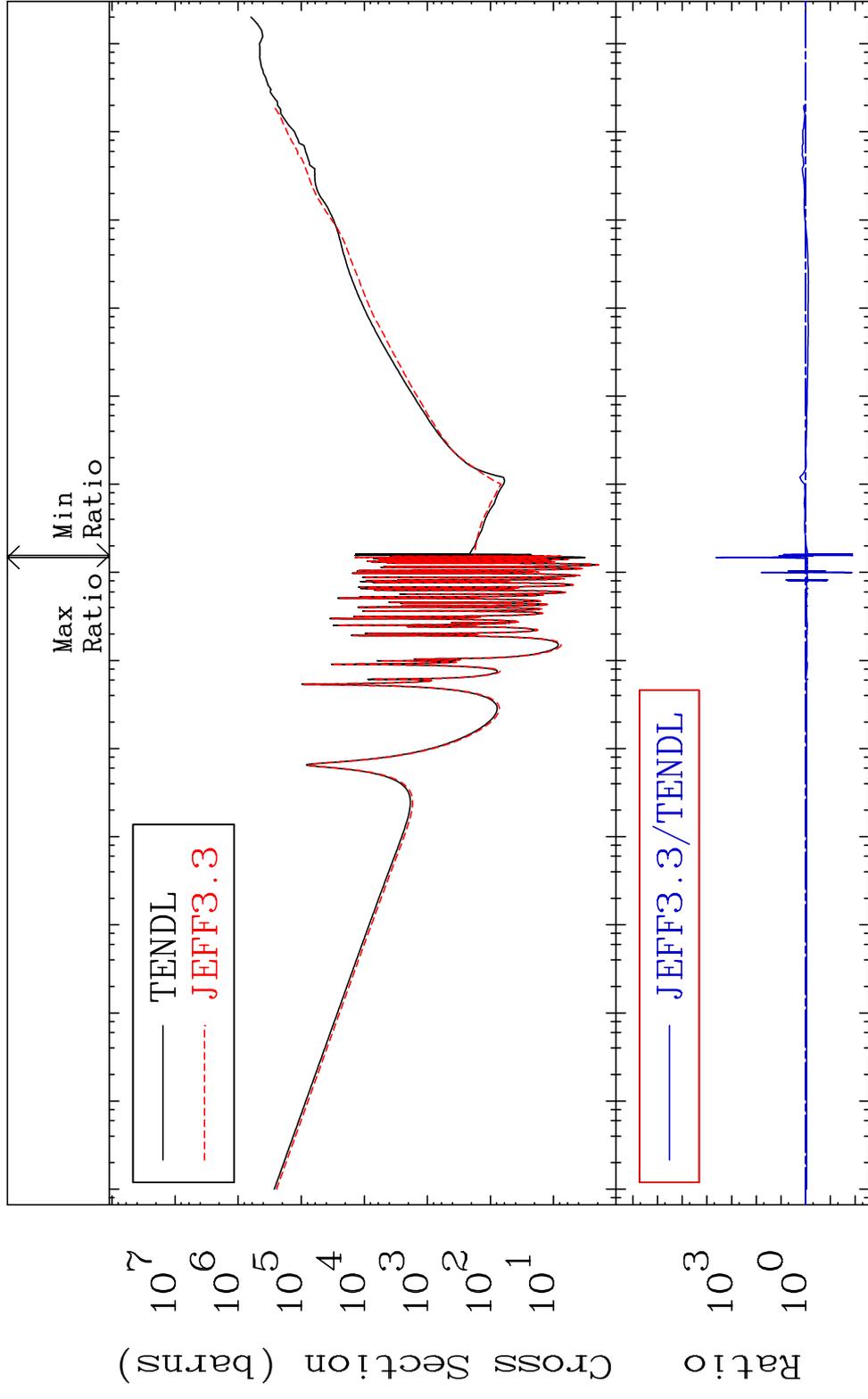


MAT 7725

Dpa total (eV-barns)

77-Ir-191

Cross Section -98.72 To 9999. %



40

Incident Energy (eV)

77-Ir-191

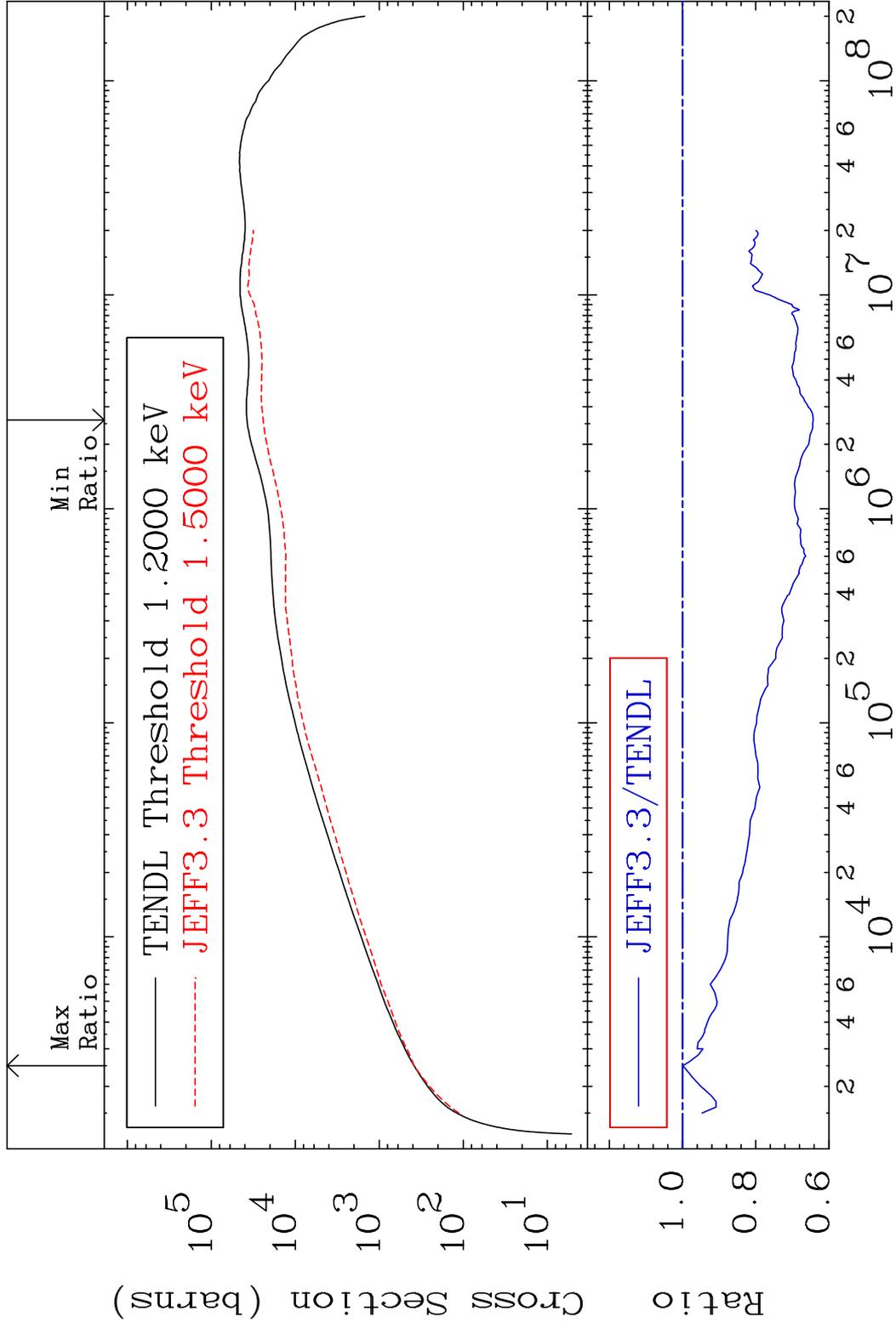
MAT 7725

Dpa elastic (mt2)

77-Ir-191

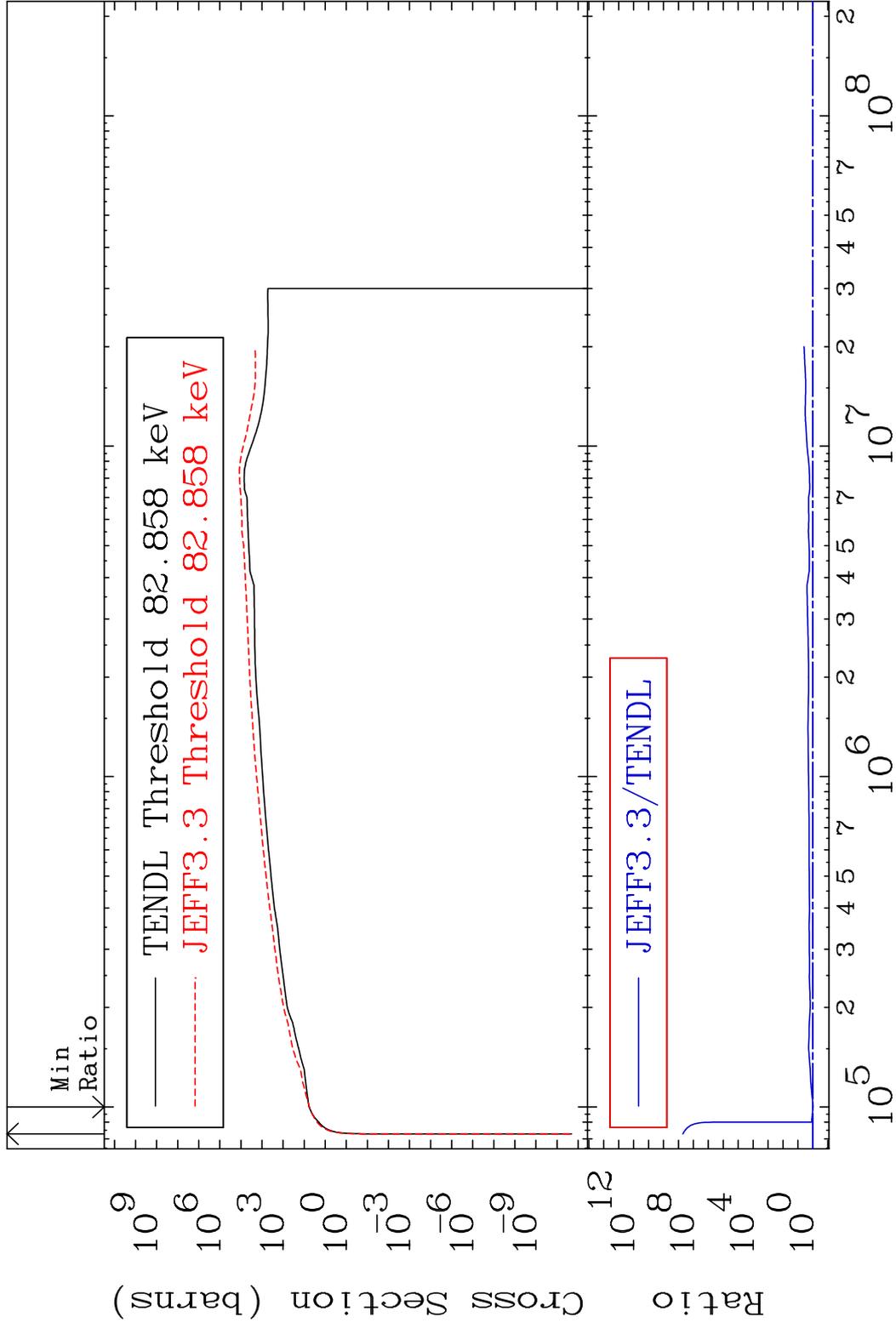
Cross Section

-35.73 To -0.084%



MAT 7725

Dpa inelastic (mt51-91) 77-Ir-191
Cross Section -4.850 To 9999. %

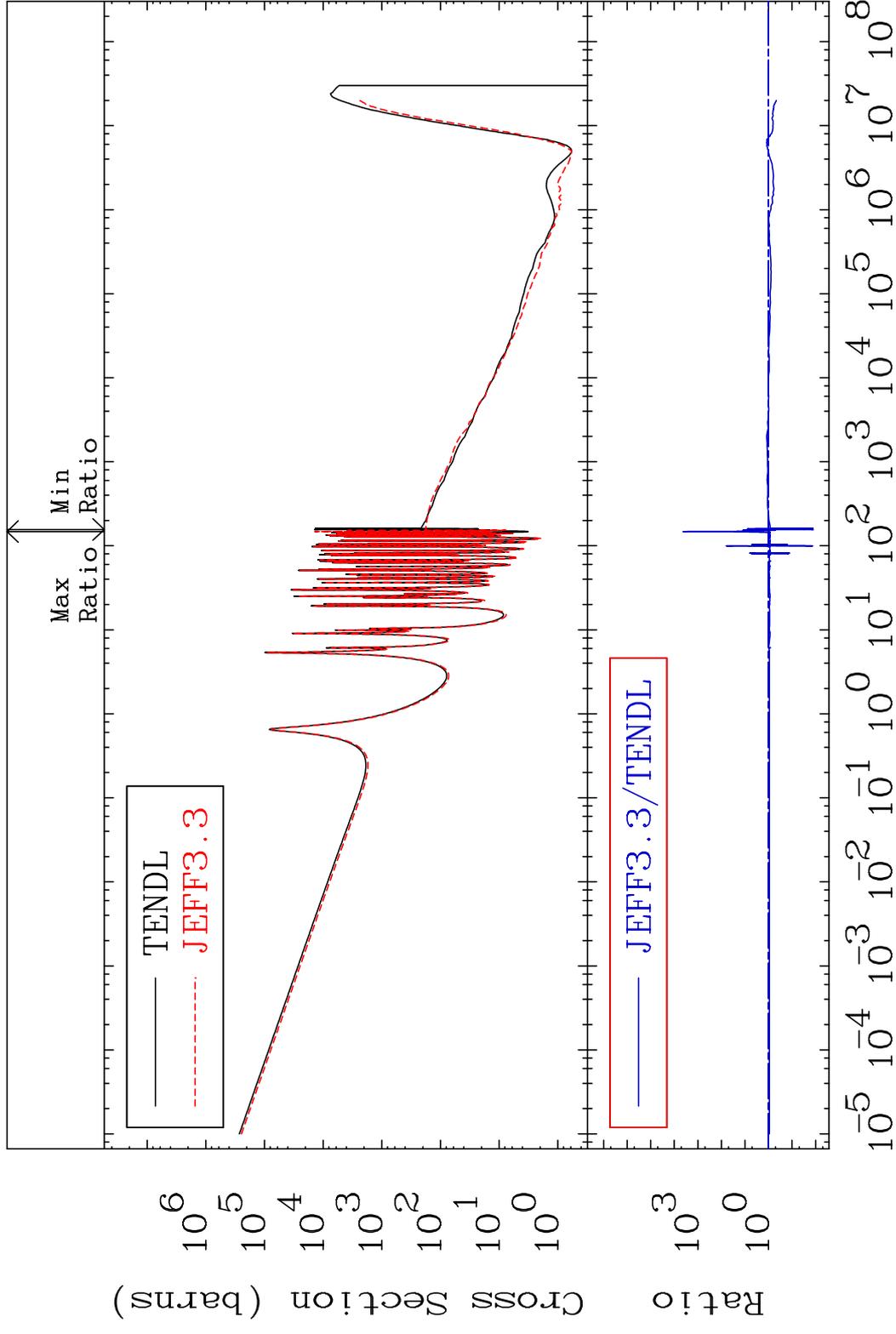


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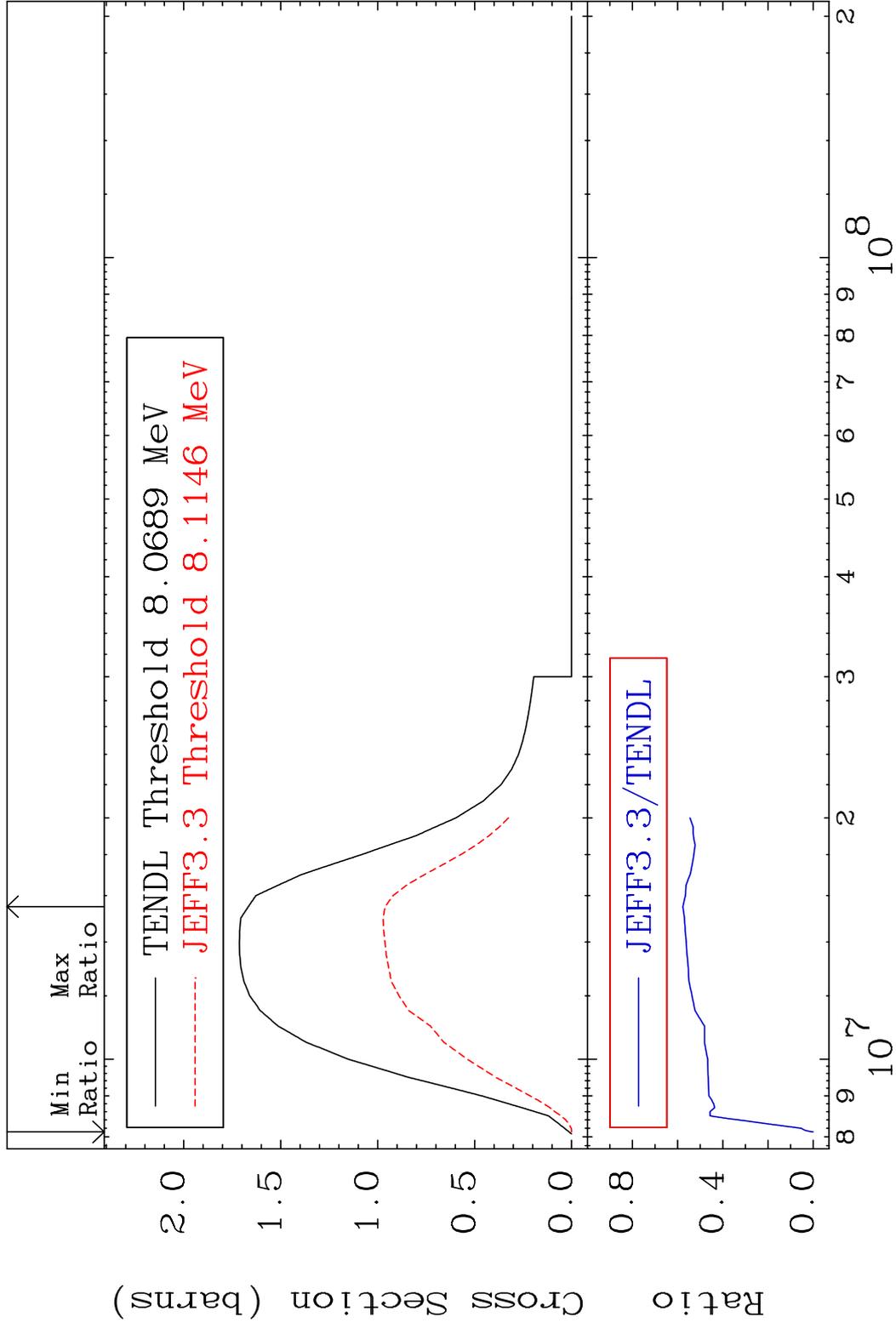
Incident Energy (eV)

77-Ir-191

MAT 7725 Dpa disappearance (mt102 -120) 77-Ir-191
 Cross Section -98.72 To 9999. %



MAT 7725 (n,2n):77-Ir-190g 77-Ir-191
 Radionuclide Production Cross Section Ratio -42.31%



MAT 7725 (n,2n):77-Ir-190m2 77-Ir-191
 Radionuclide Production Cross Section 180.01 dth 735.6 %

