

Program Complot  
(Version 2021-1)

by

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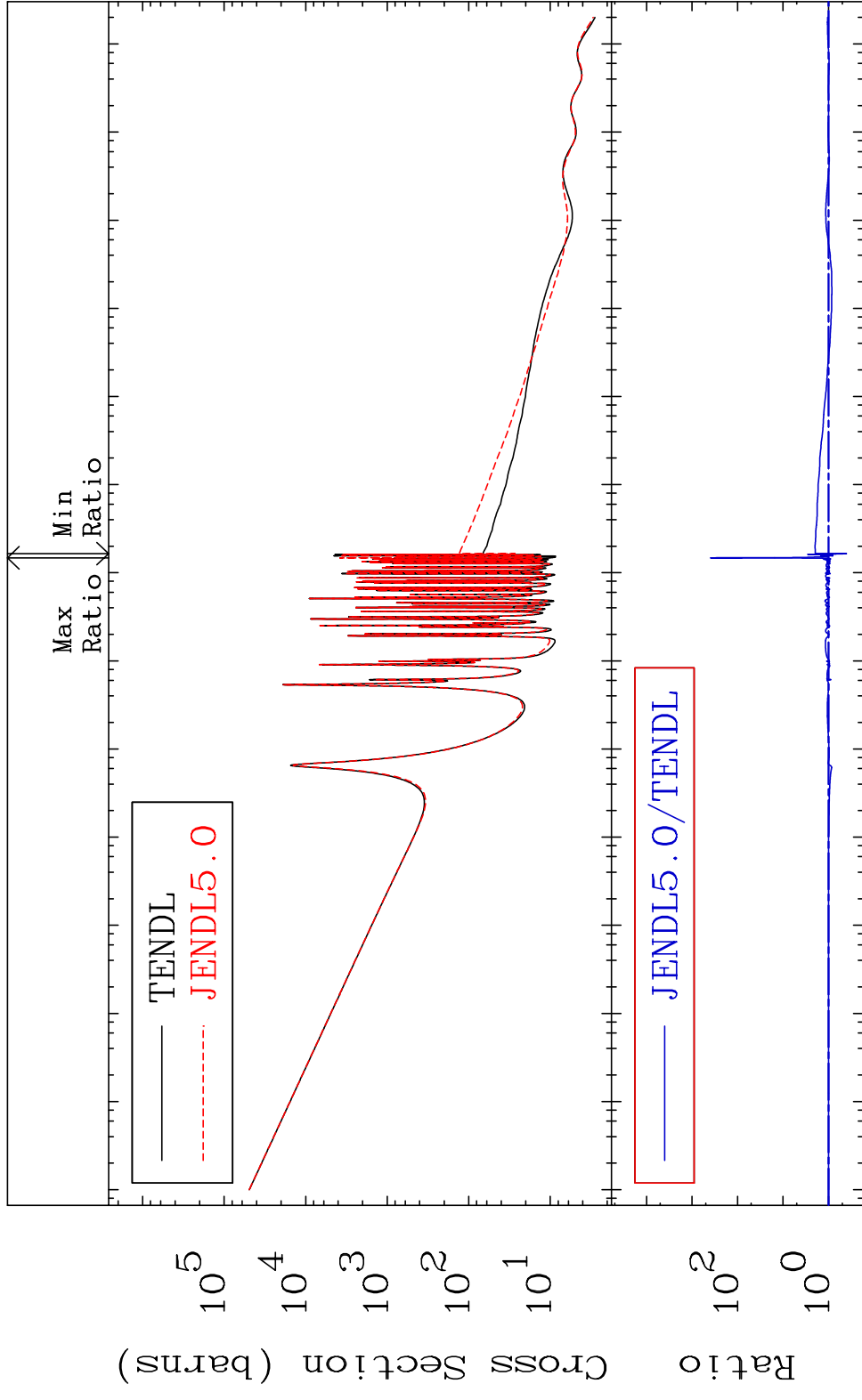
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7725

Total Cross Section -59.36 To 9999. %

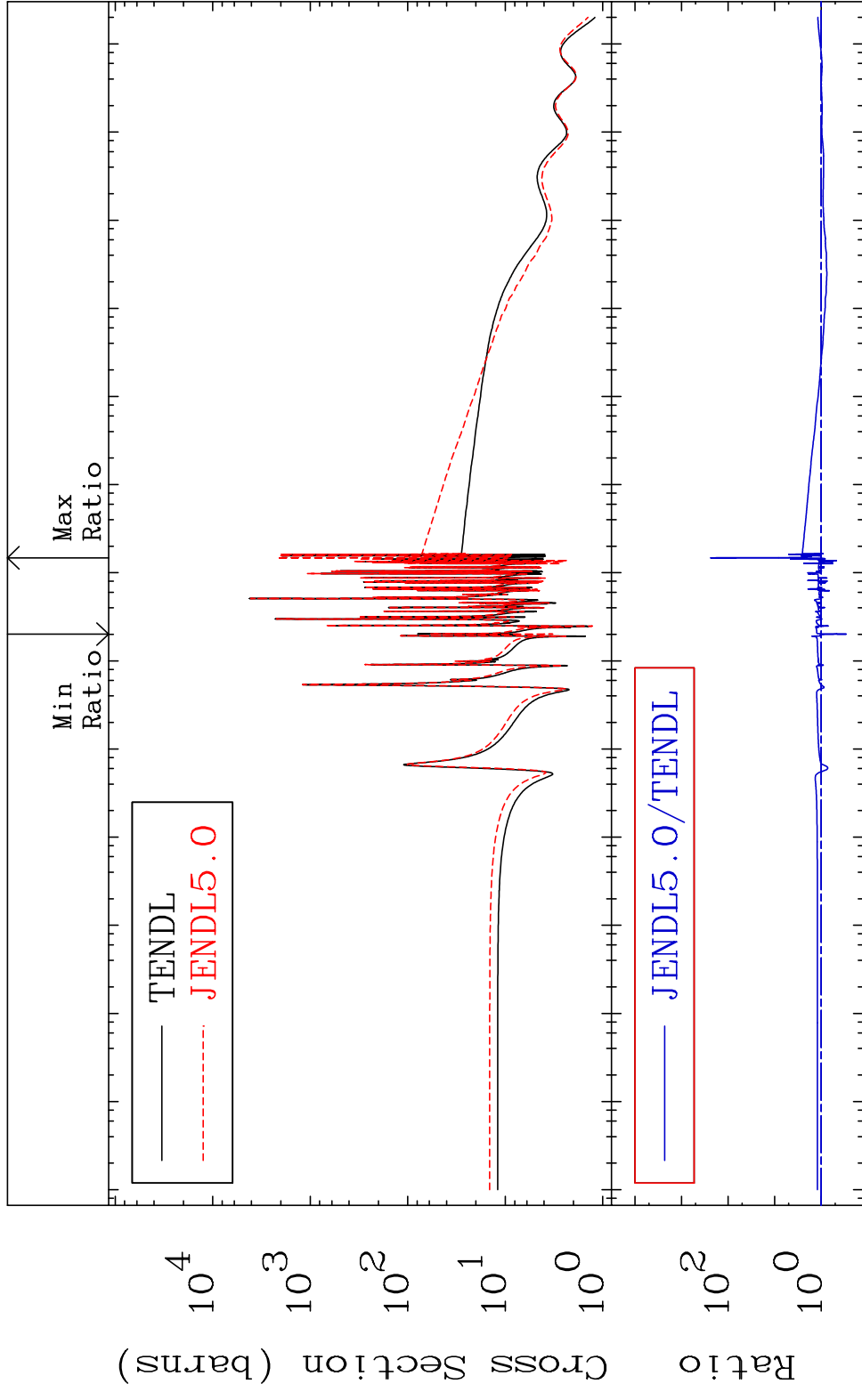
77-Ir-191



1 Incident Energy (eV) 77-Ir-191

MAT 7725

Elastic Cross Section -71.10 To 9999. %  
77-Ir-191



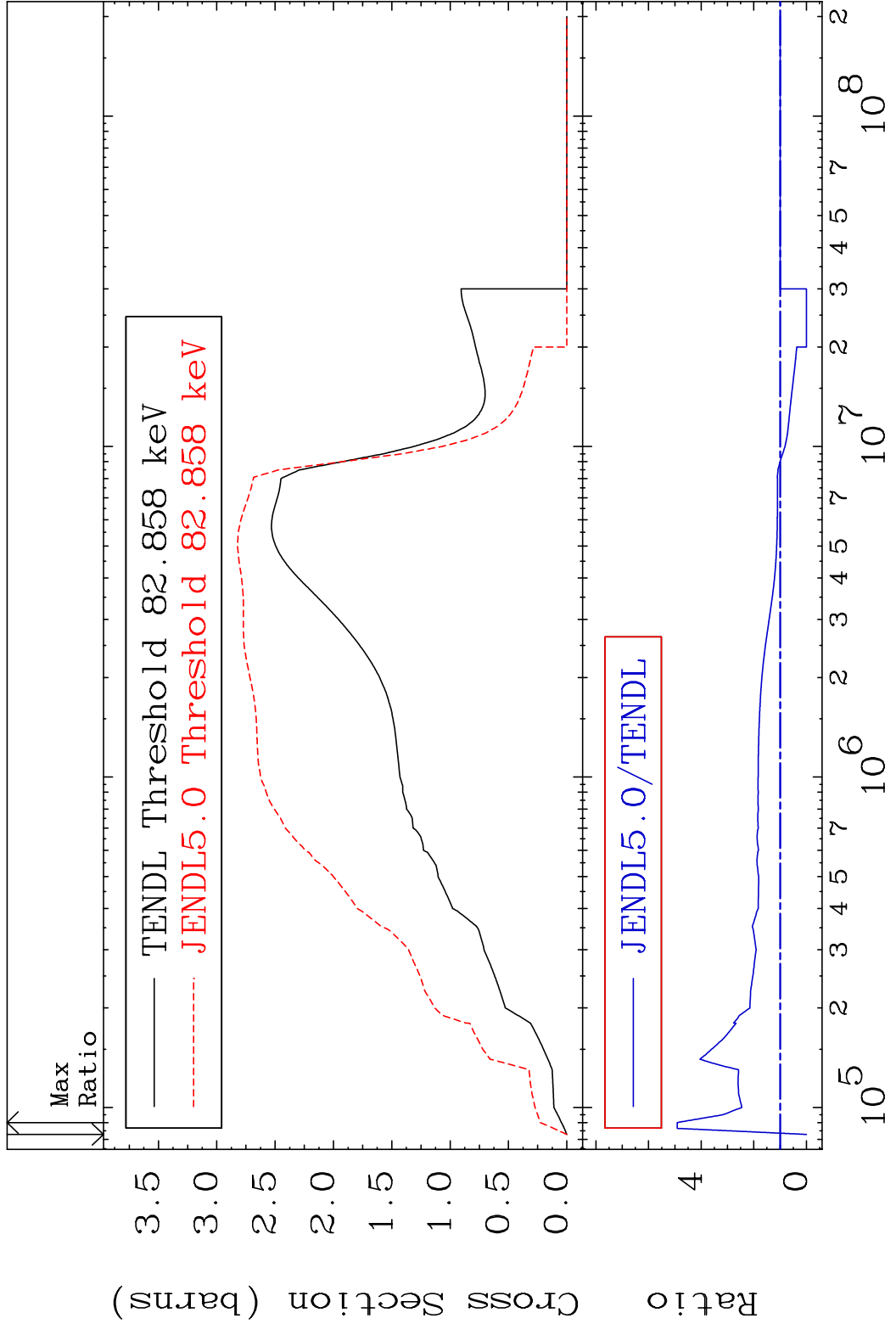
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

77-Ir-191

MAT 7725 Inelastic 77-Ir-191  
 Cross Section -100.0 To 391.2 %



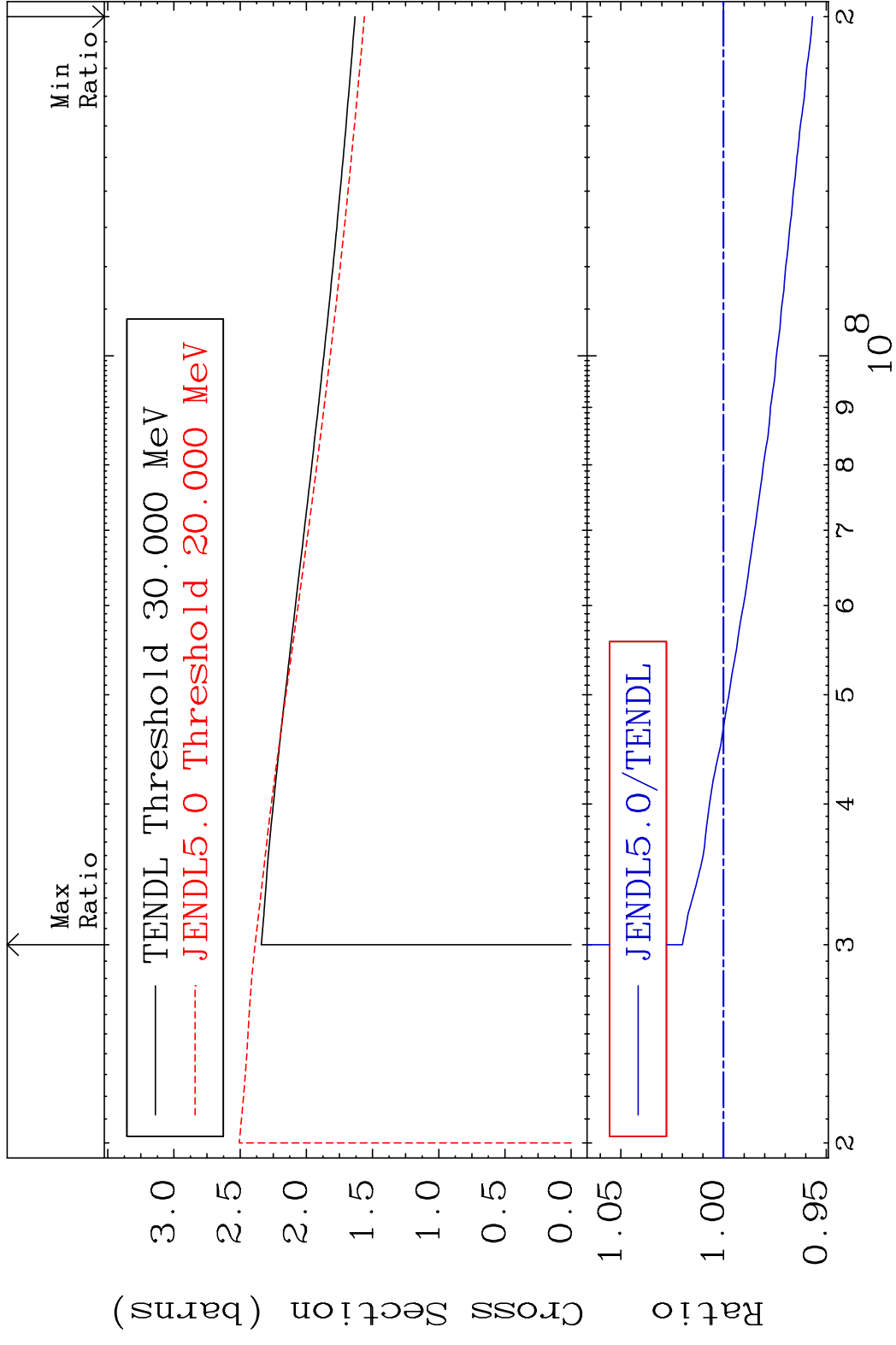
3 Incident Energy (eV) 77-Ir-191

MAT 7725

(n, remainder)

77-Ir-191

Cross Section -4.332 To 2.005 %



4

Incident Energy (eV)

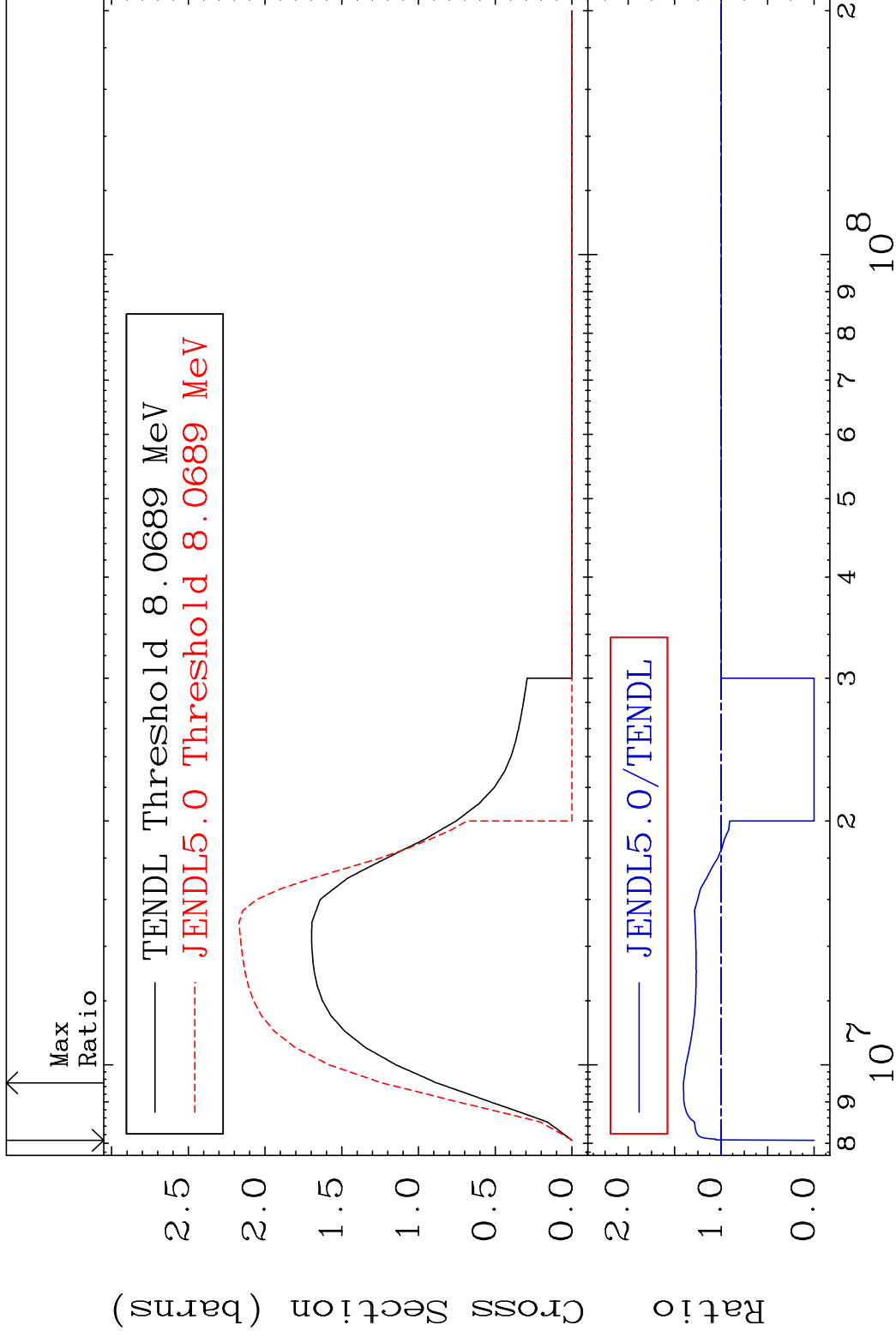
77-Ir-191

MAT 7725

(n,2n)

77-Ir-191

Cross Section -100.0 To 40.53 %



5

Incident Energy (eV)

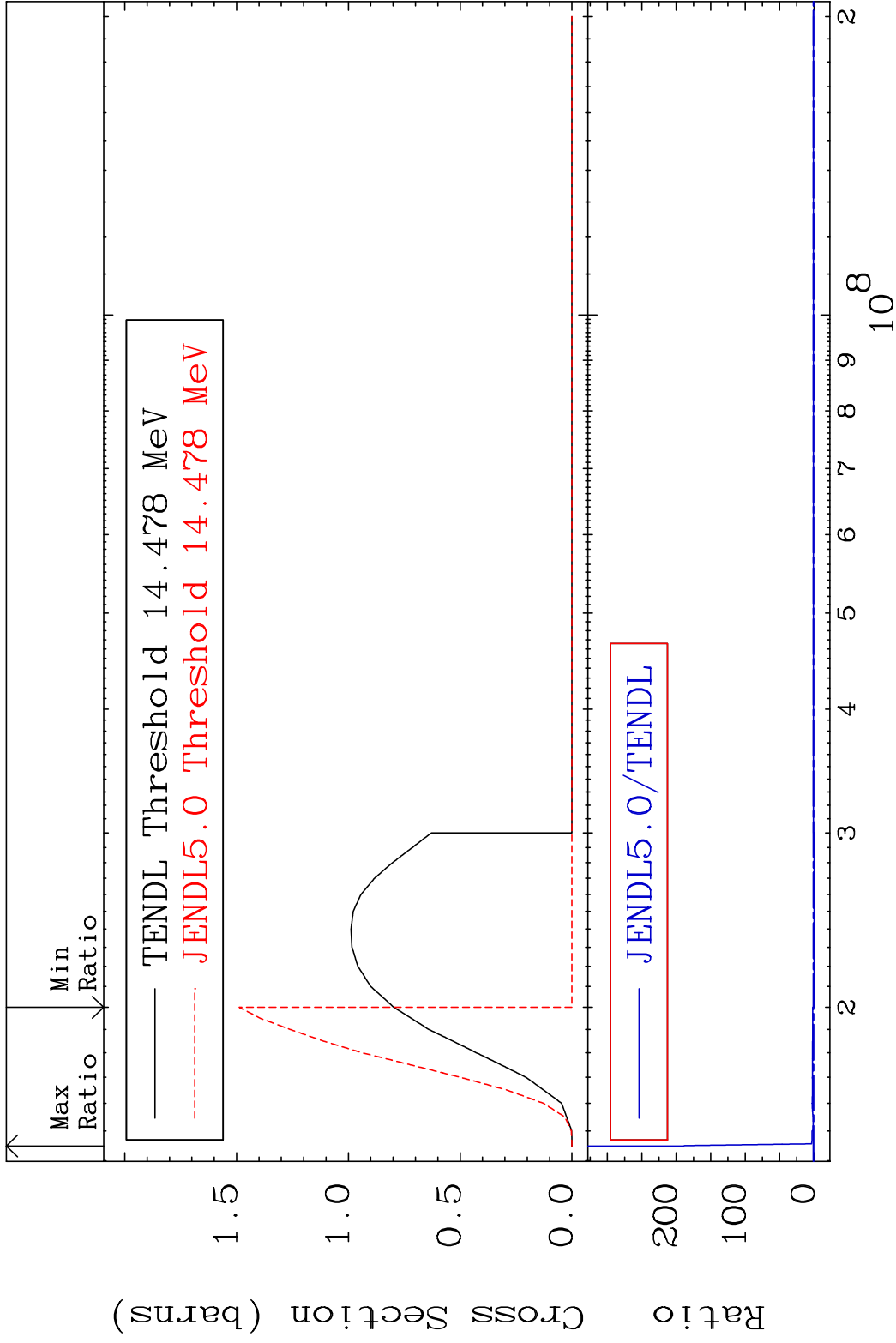
77-Ir-191

MAT 7725

(n,3n)

77-Ir-191

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

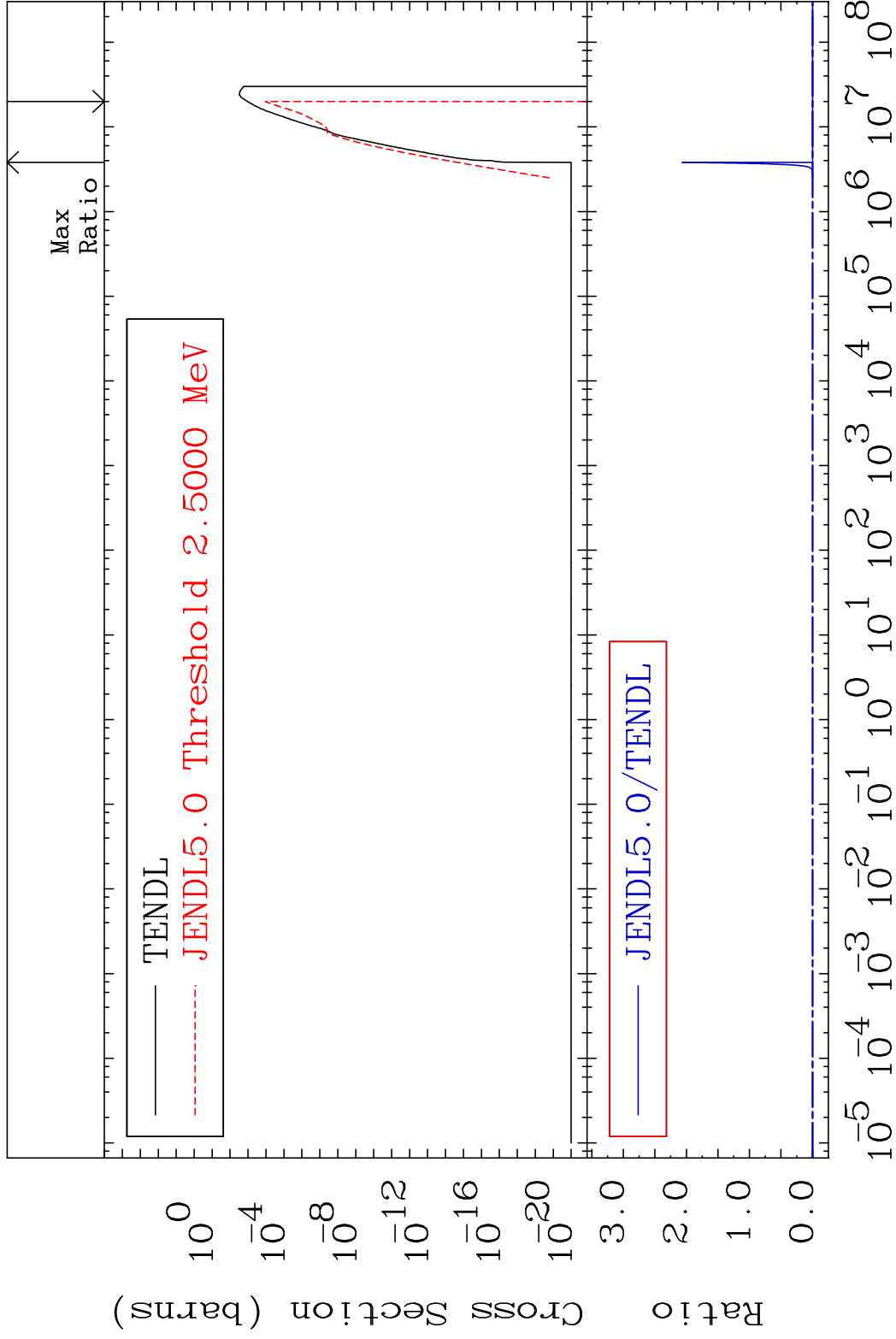
77-Ir-191

MAT 7725

(n, n')  $\alpha$

77-Ir-191

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

77-Ir-191

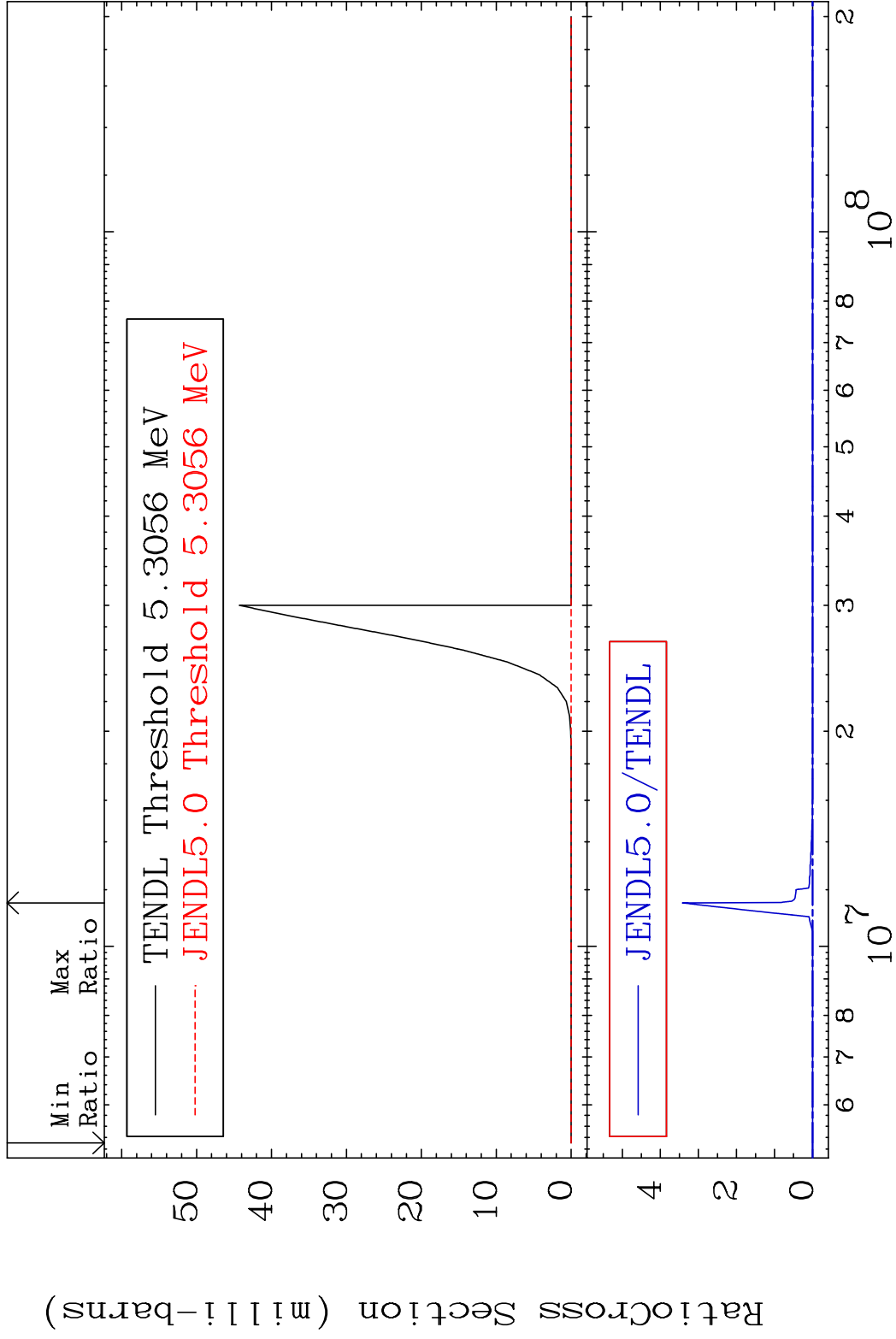


MAT 7725

(n,2n)  $\alpha$

77-Ir-191

Cross Section -100.0 To 9999. %

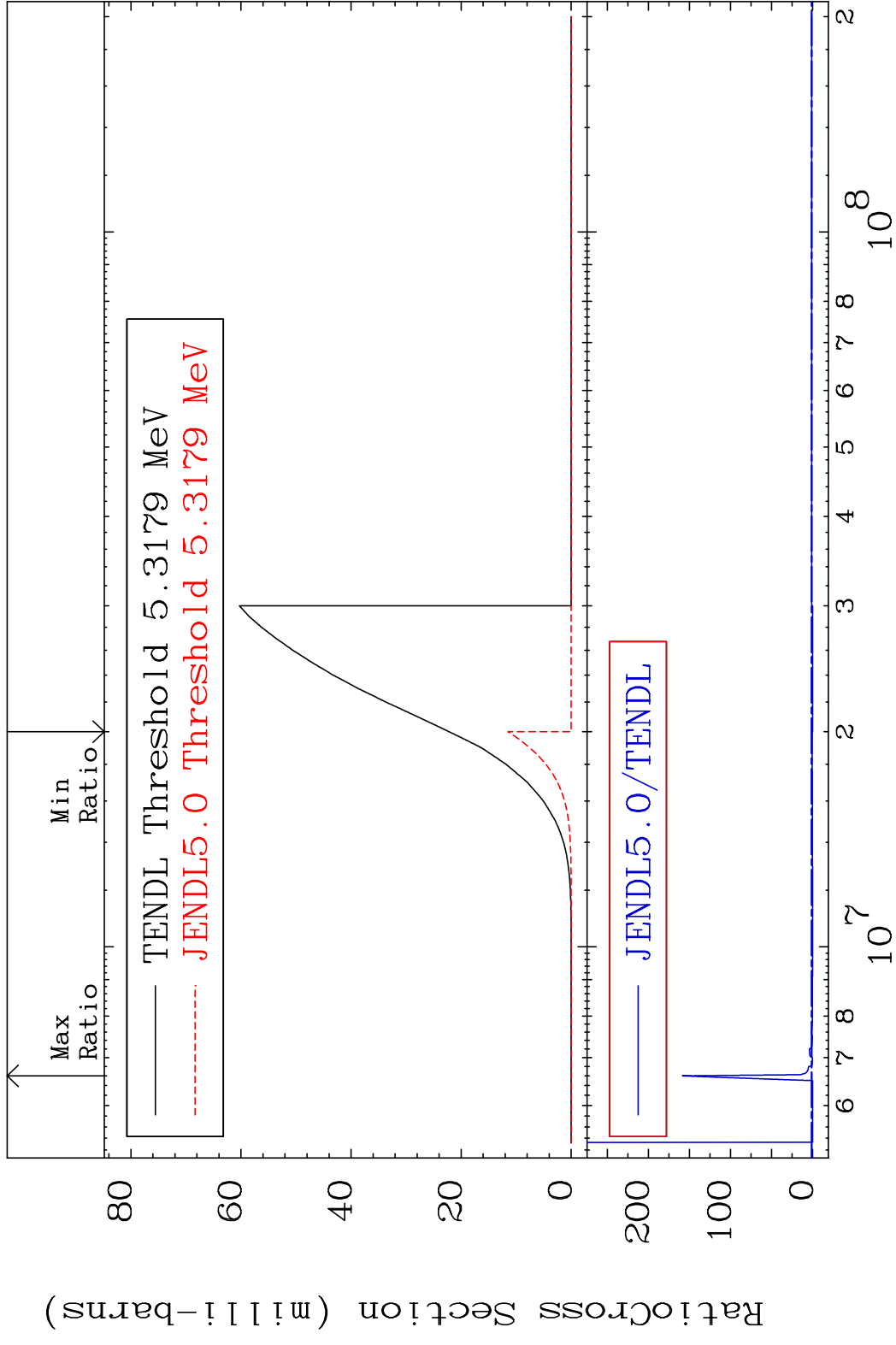


8

Incident Energy (eV)

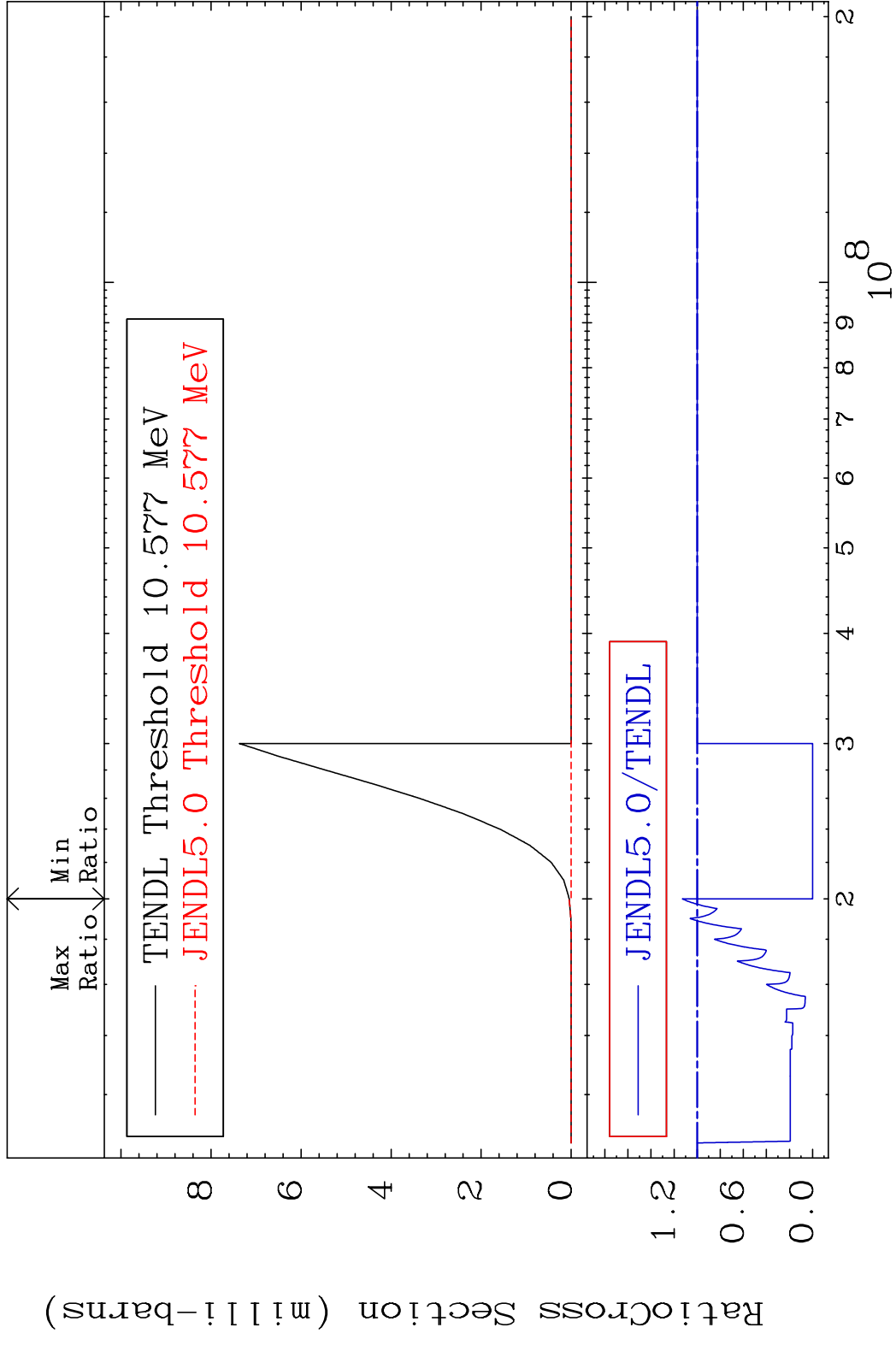
77-Ir-191

MAT 7725 (n, n') p 77-Ir-191  
 Cross Section -100.0 To 9999. %





MAT 7725 (n, n') t 77-Ir-191  
 Cross Section -100.0 To 12.85 %

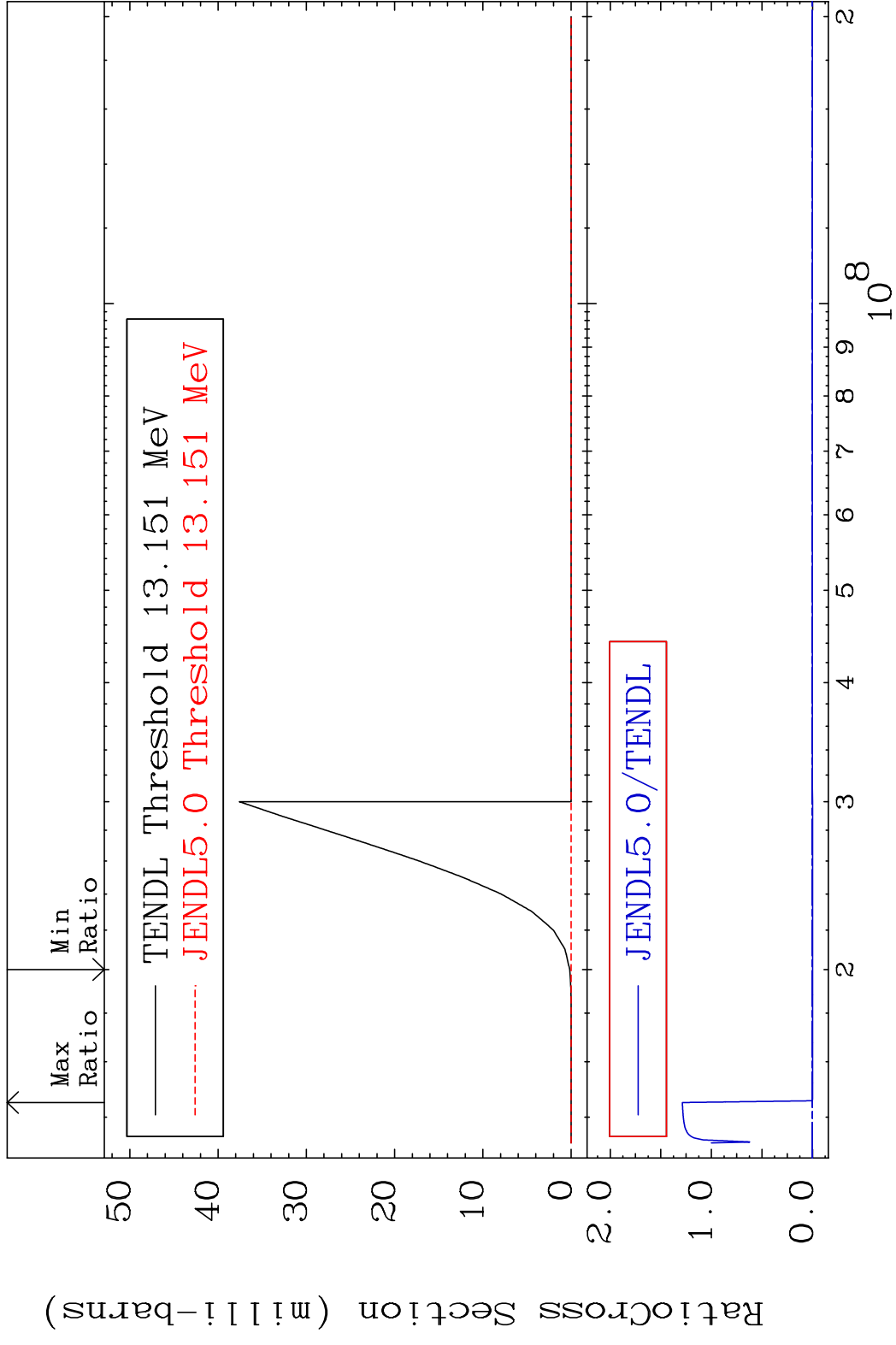


MAT 7725

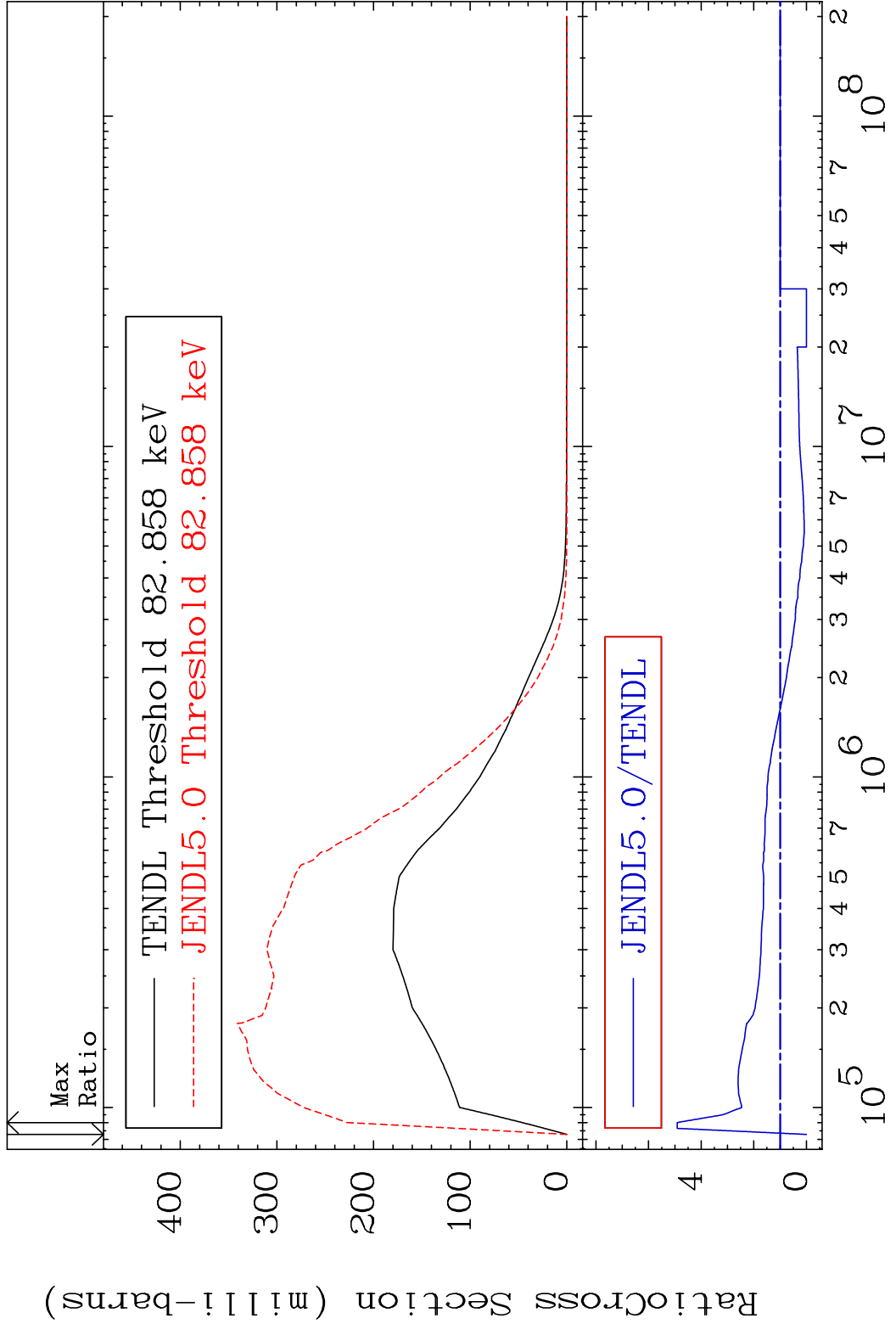
(n,2n) p

77-Ir-191

Cross Section -100.0 To 9999. %

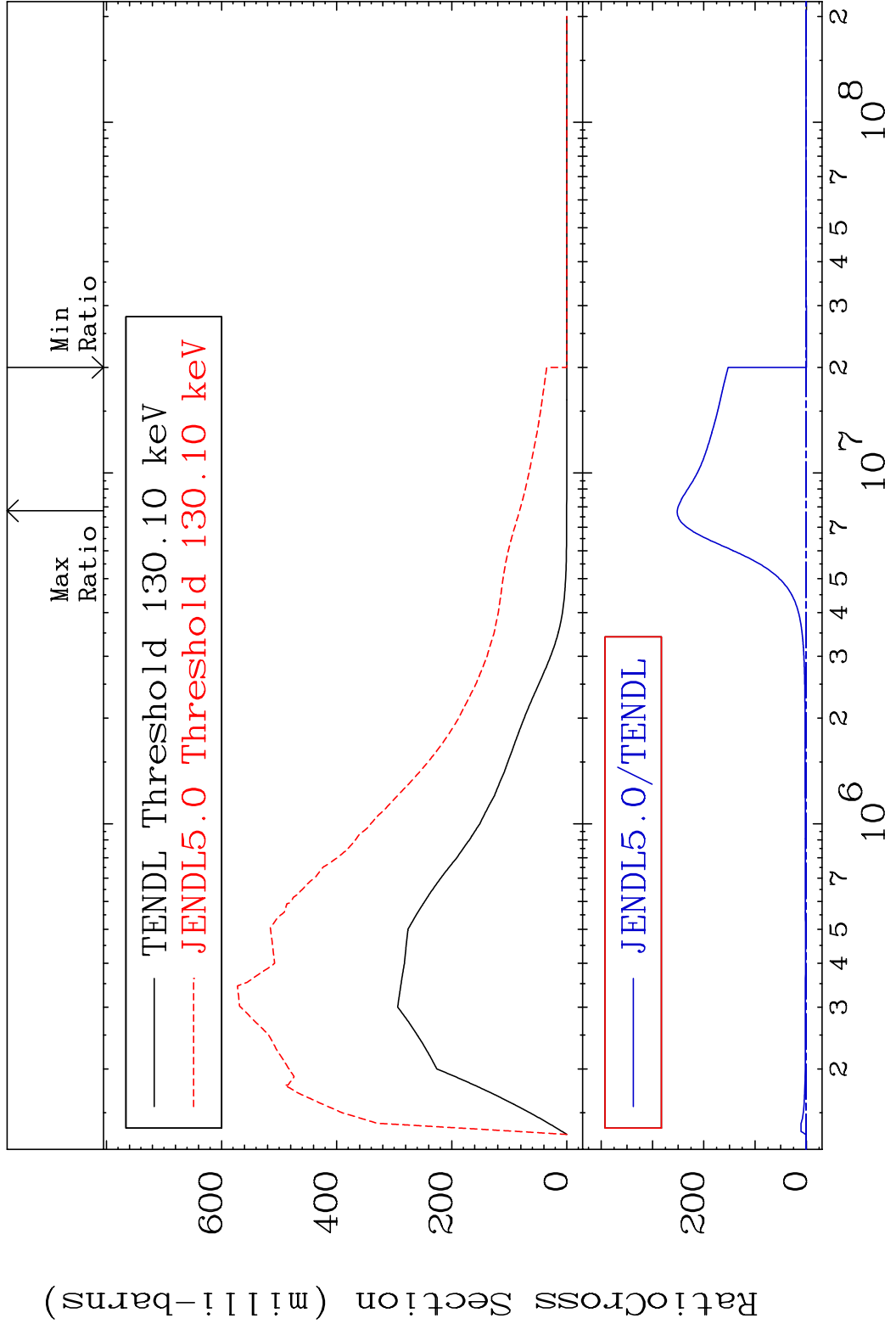


MAT 7725 MT= 51 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 391.2 %

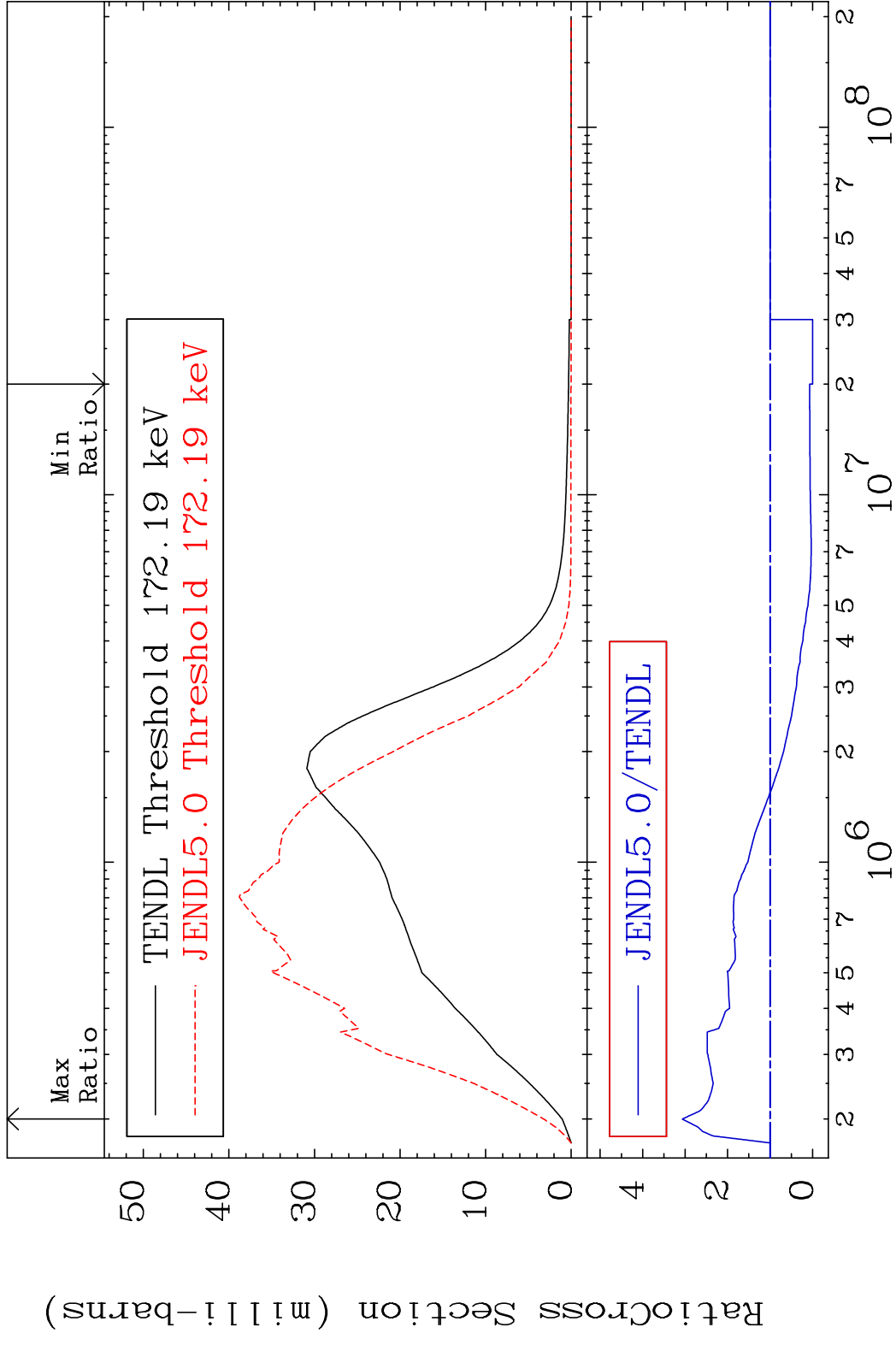


13 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 52 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 9999. %

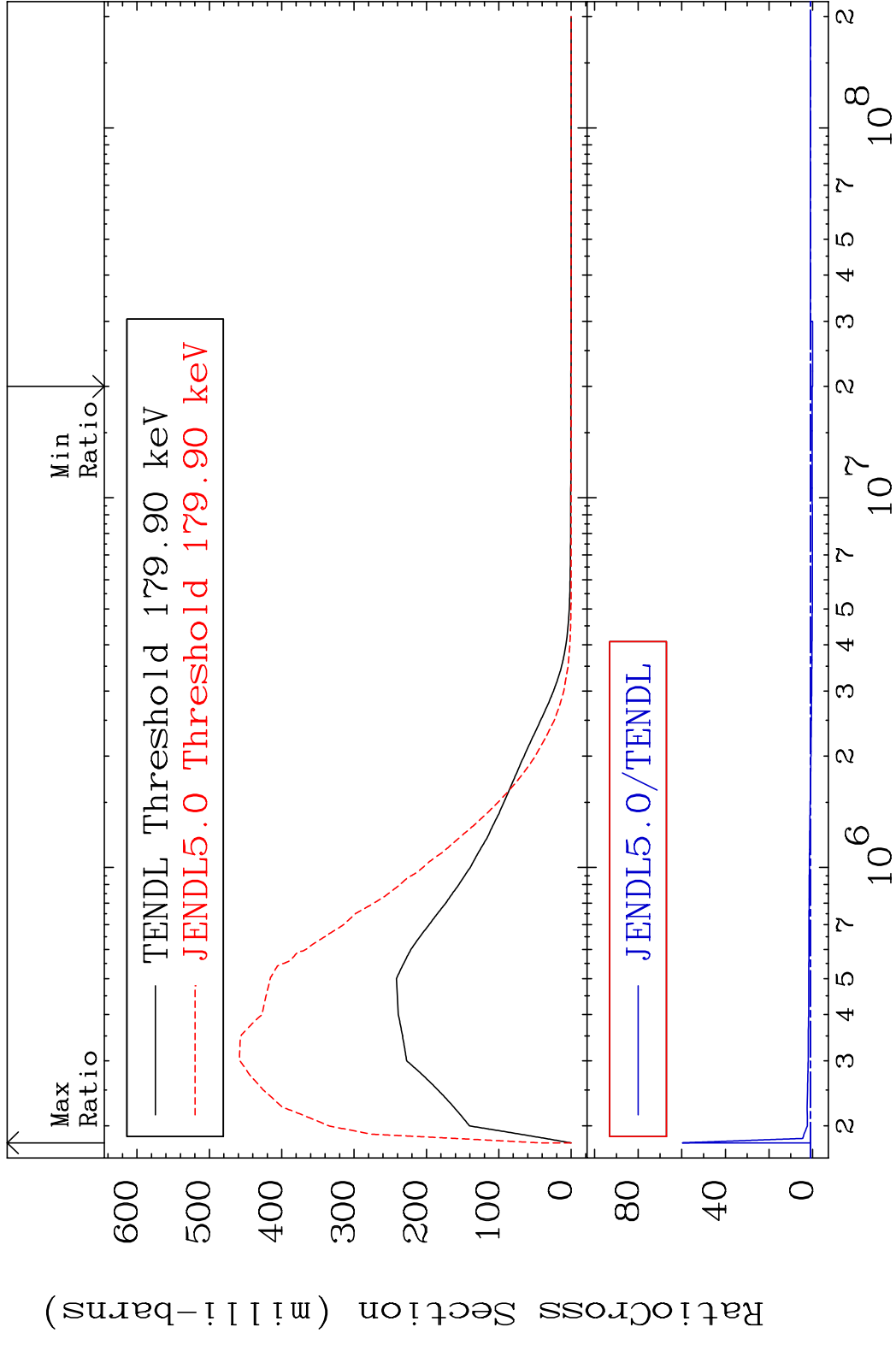


MAT 7725 MT= 53 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 206.5 %

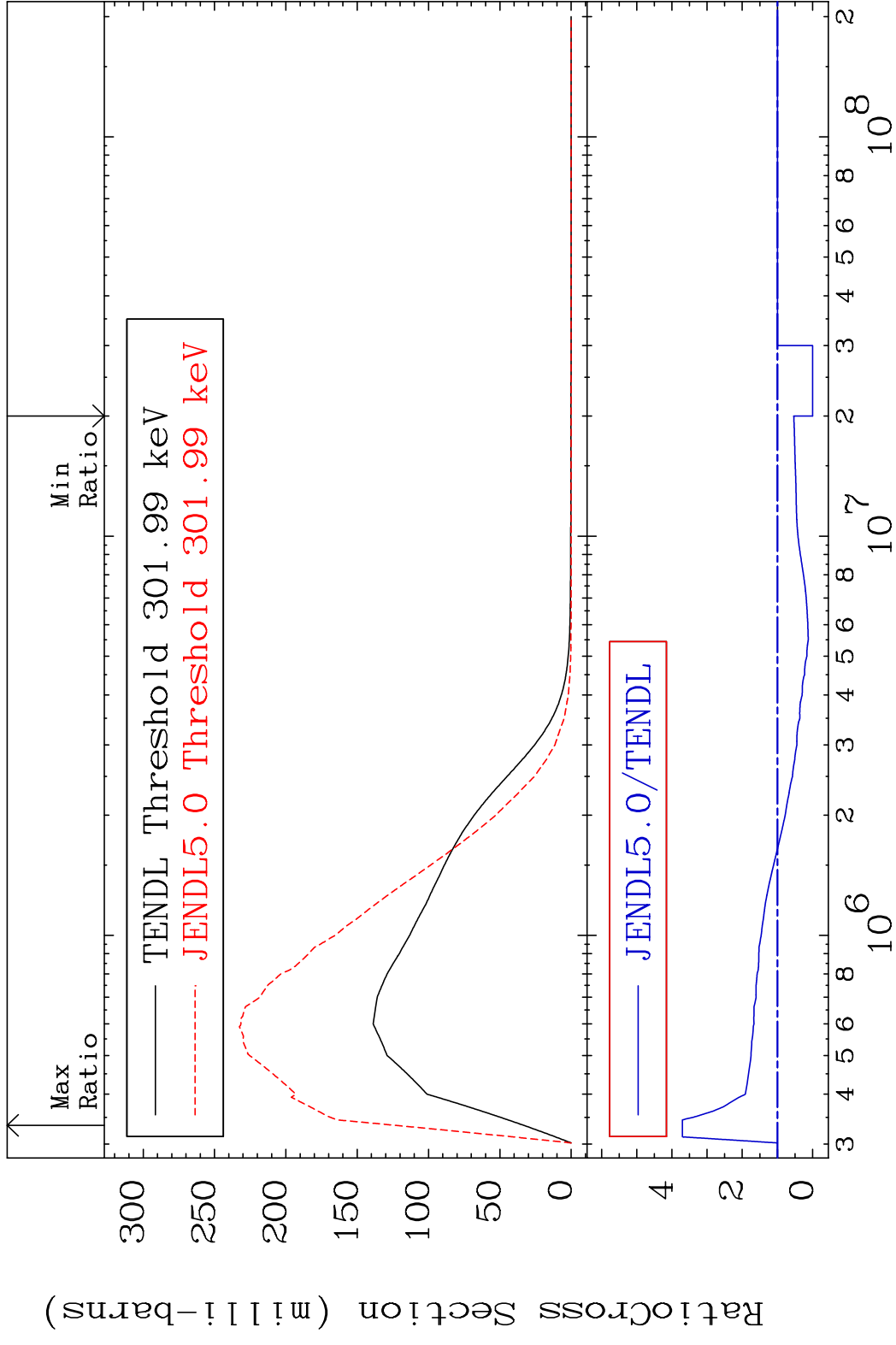




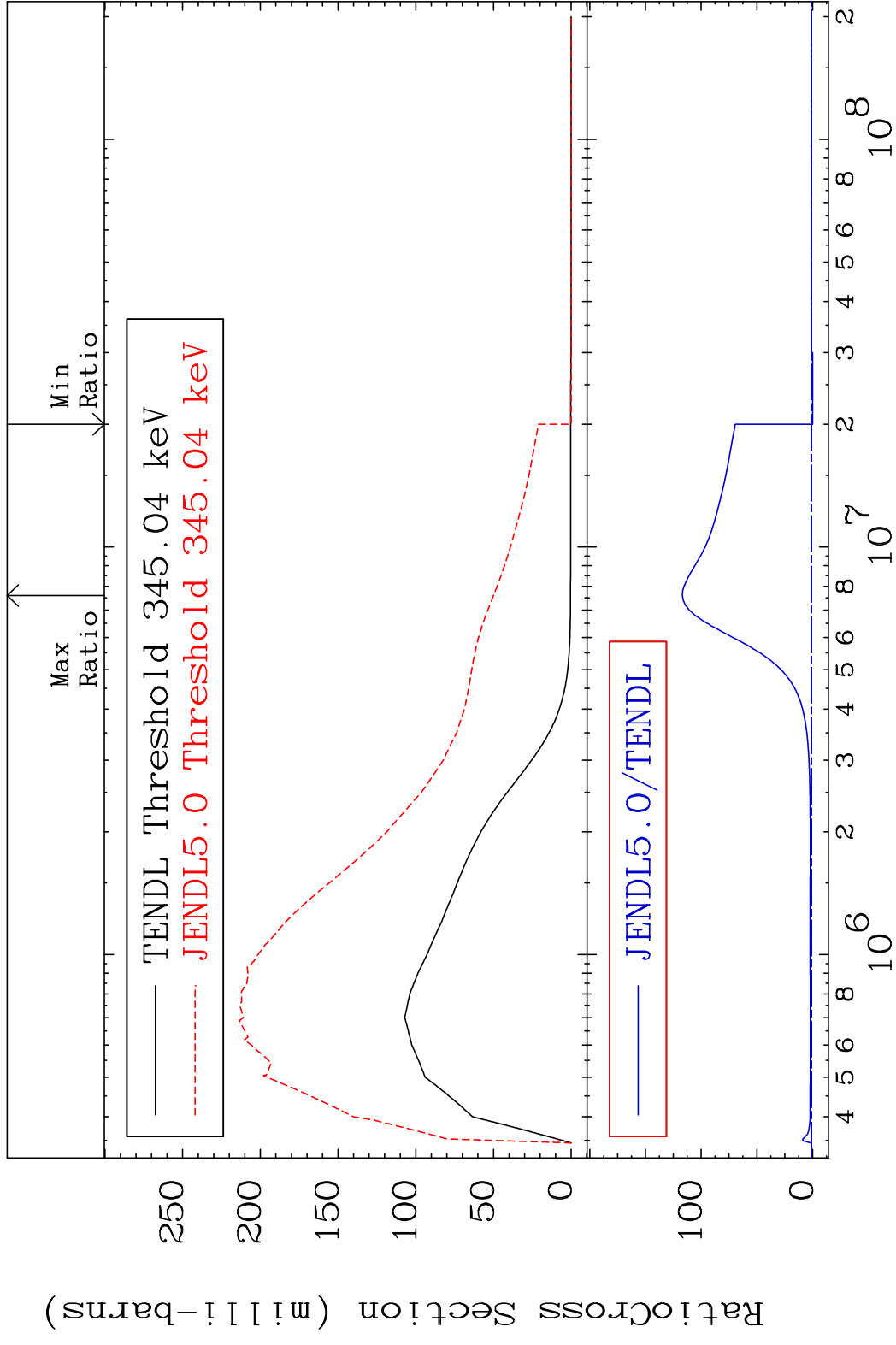
MAT 7725 MT= 54 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 5875. %



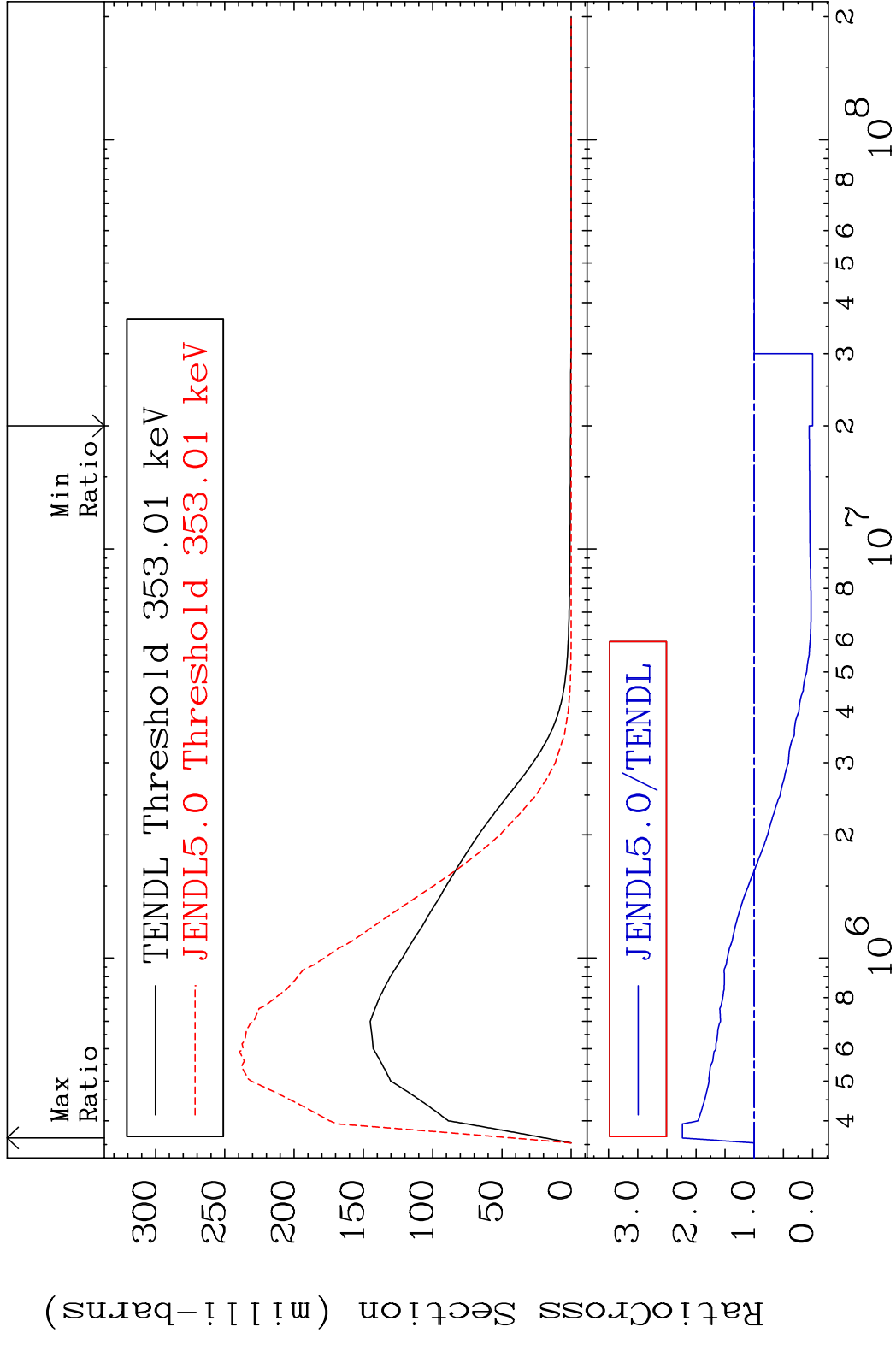
MAT 7725 MT= 55 (n,n') Level 77-Ir-191  
 Cross Section -100.0 To 270.4 %



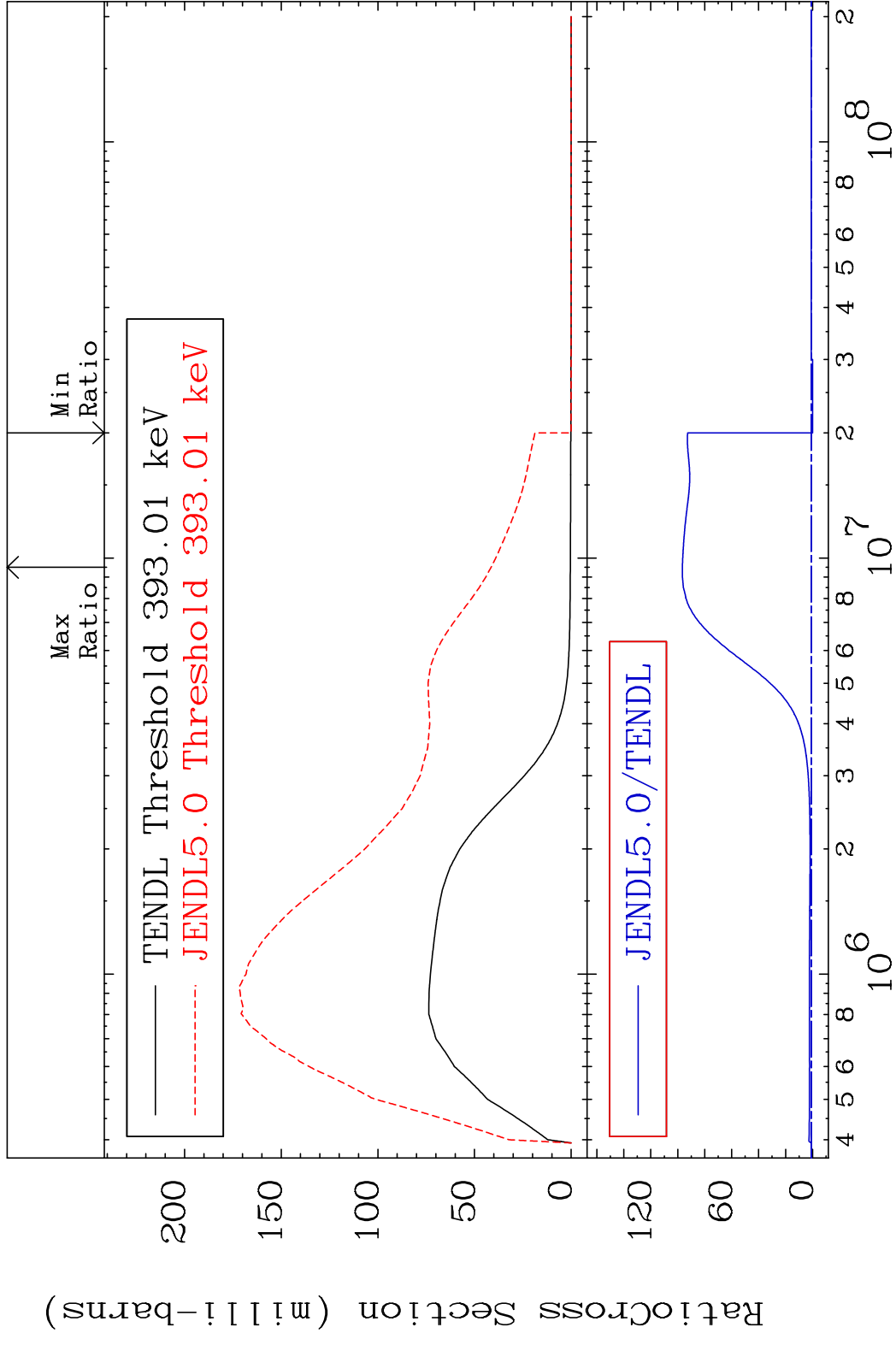
MAT 7725 MT= 56 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 9999. %



MAT 7725 MT= 57 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 123.4 %

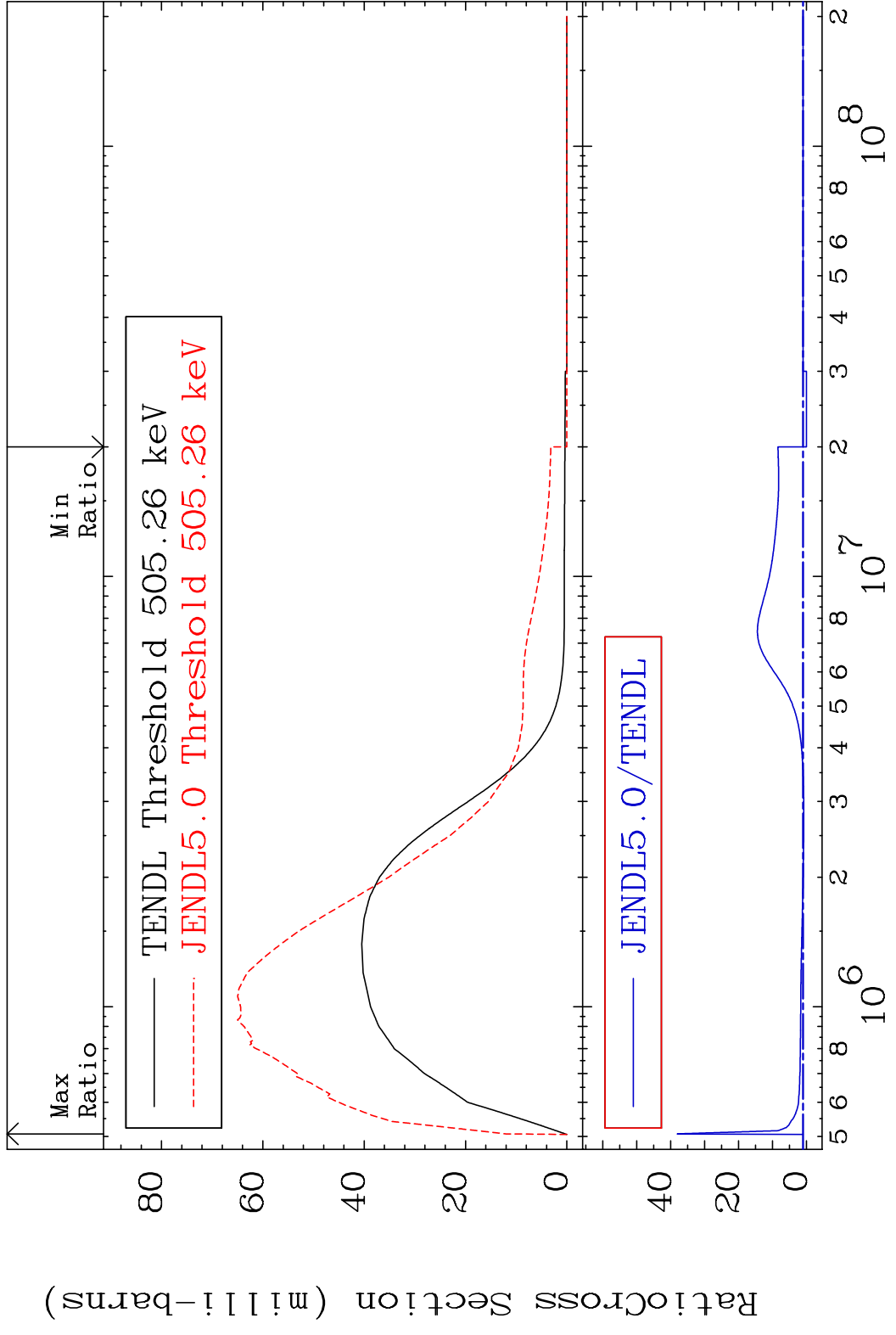


MAT 7725 MT= 58 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 9559. %

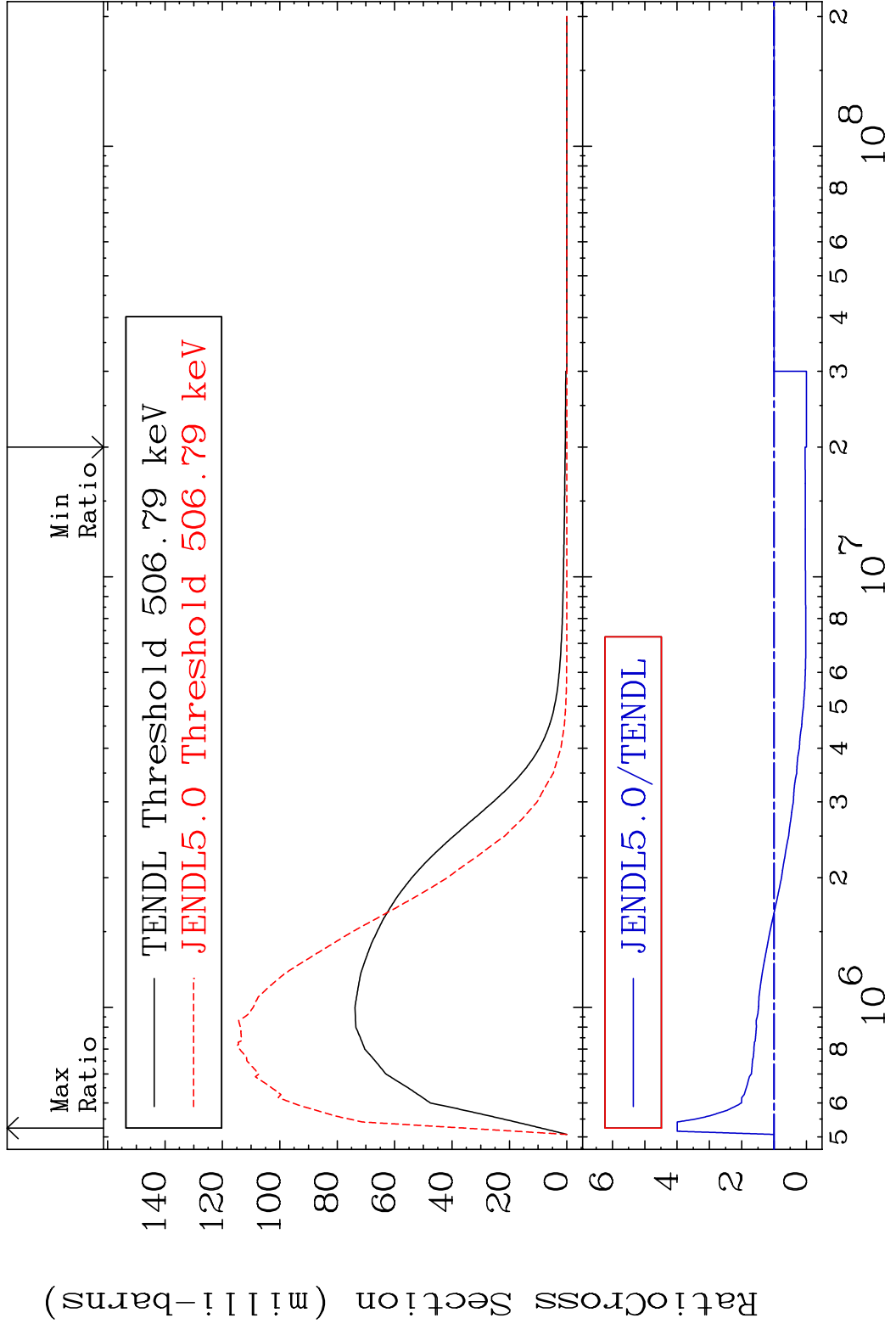


20 Incident Energy (eV) 77-Ir-191

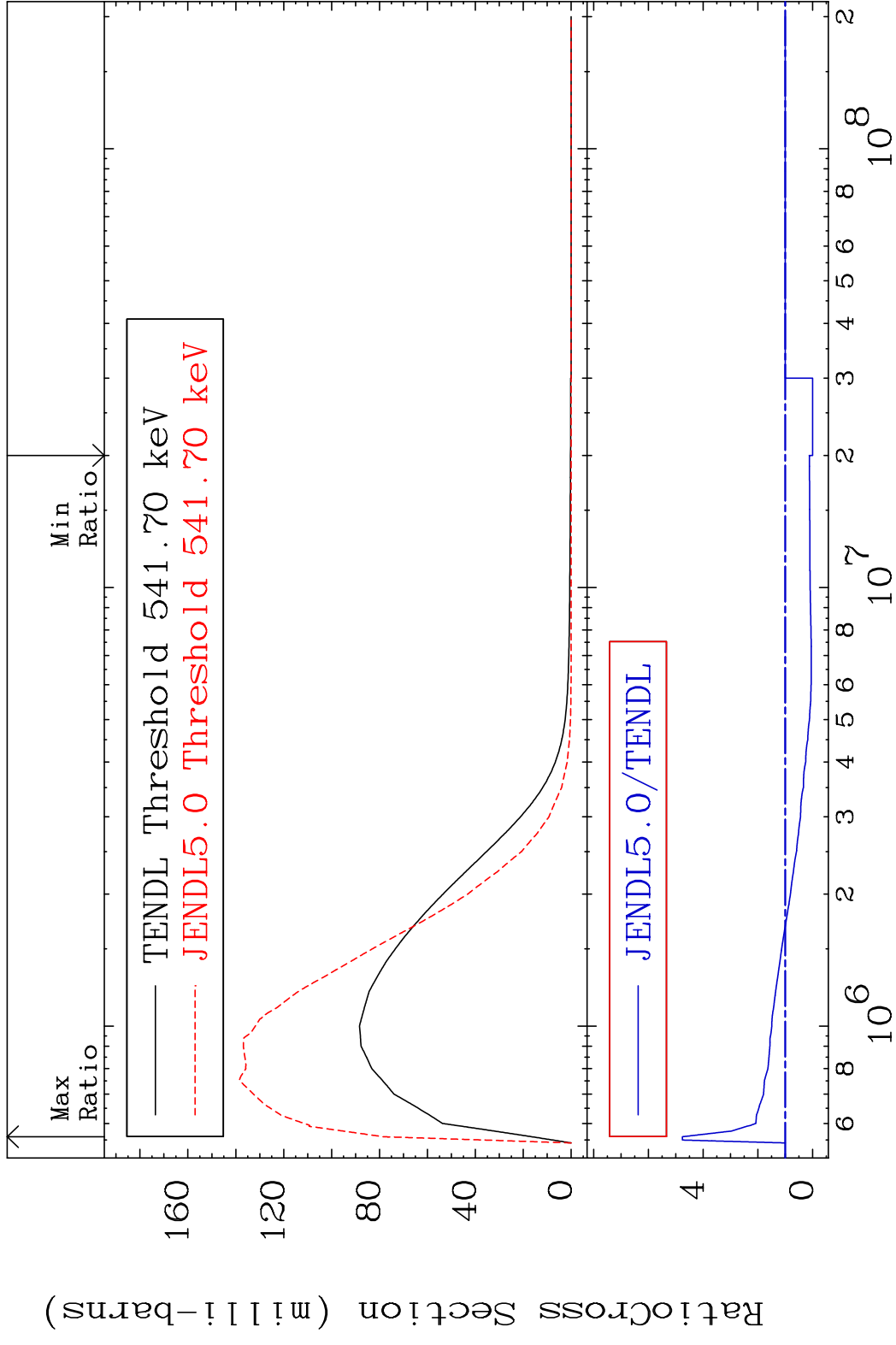
MAT 7725 MT= 59 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 3707. %



MAT 7725 MT= 60 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 299.7 %

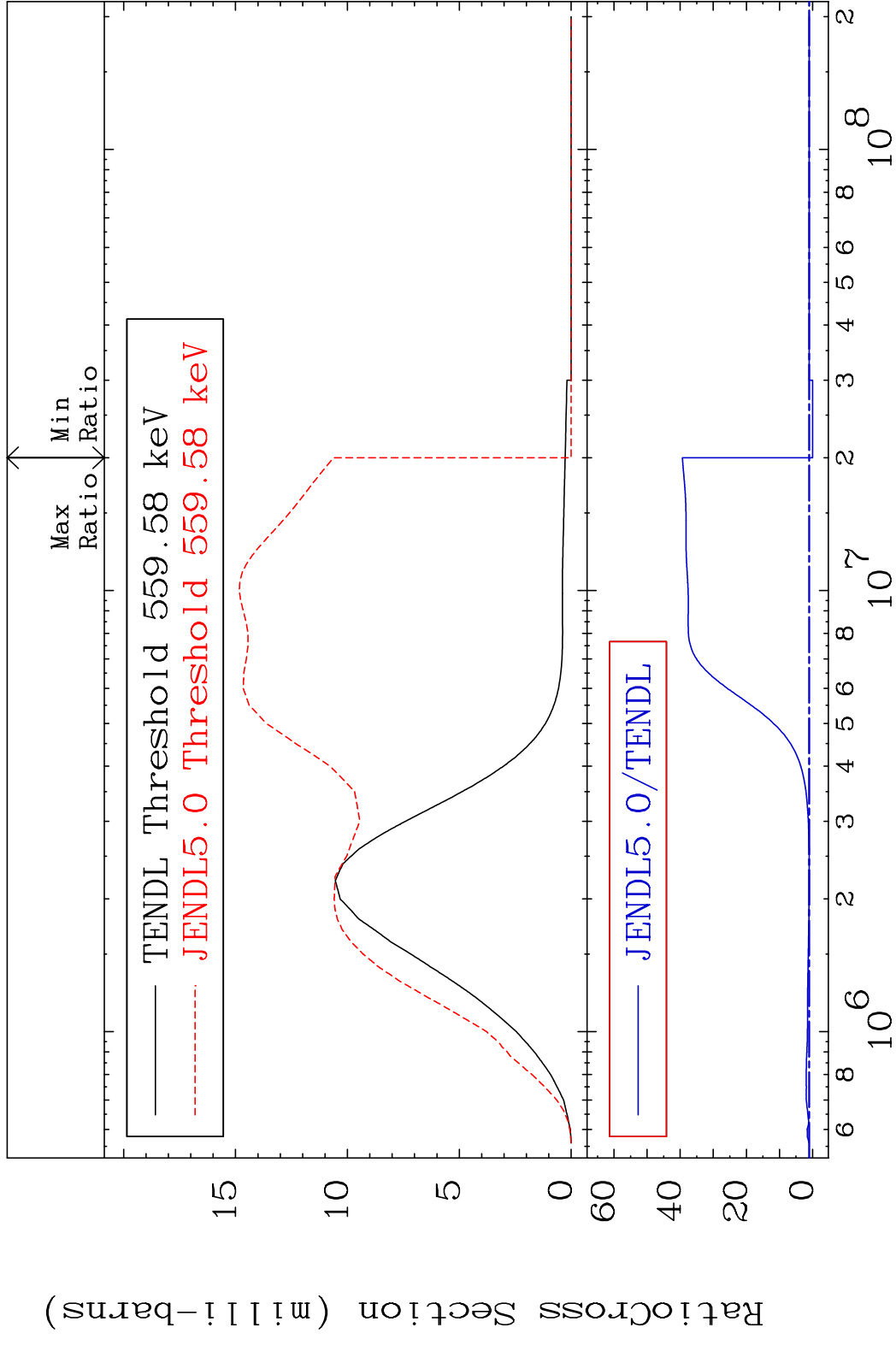


MAT 7725 MT= 61 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 376.0 %

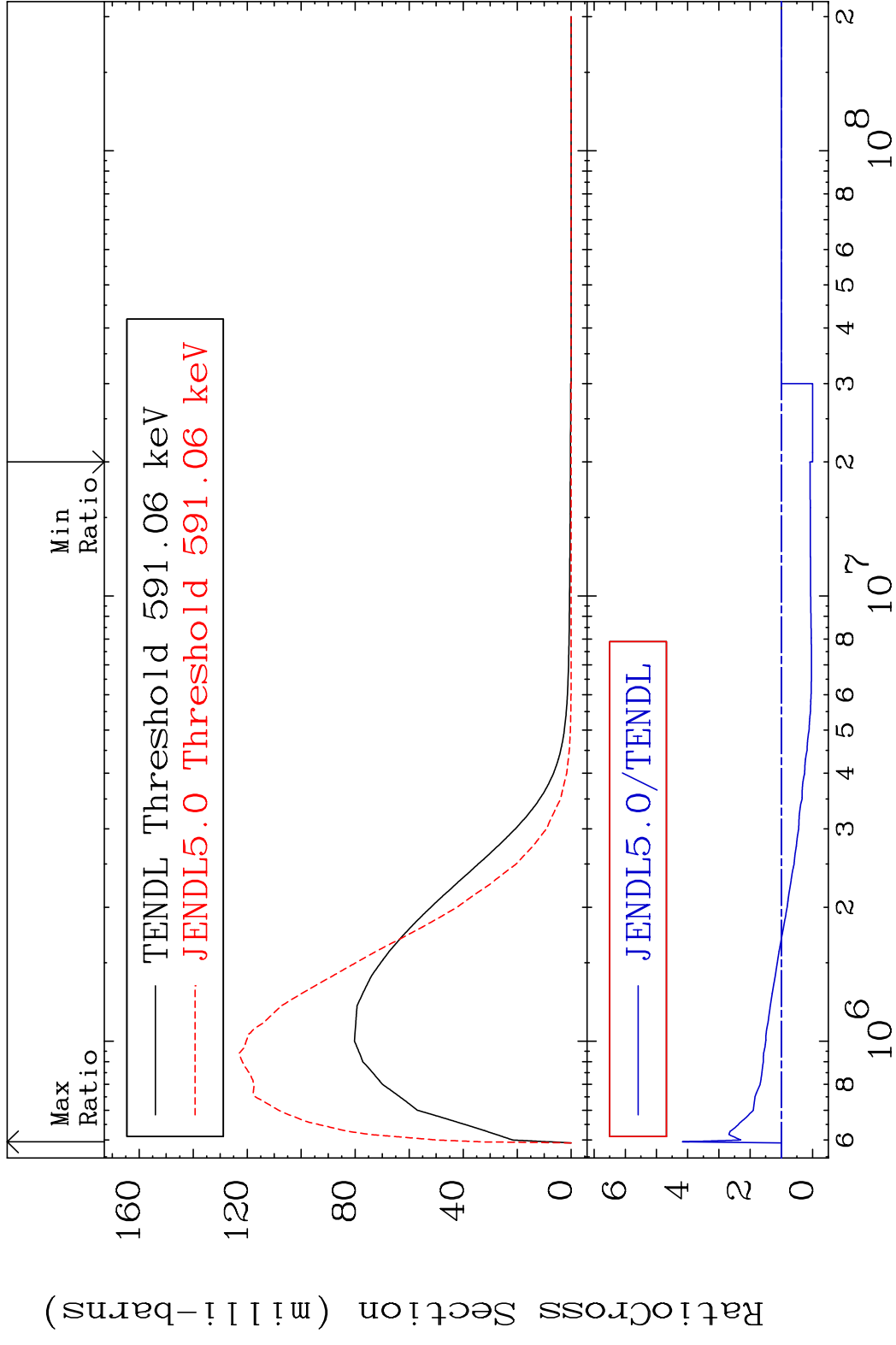




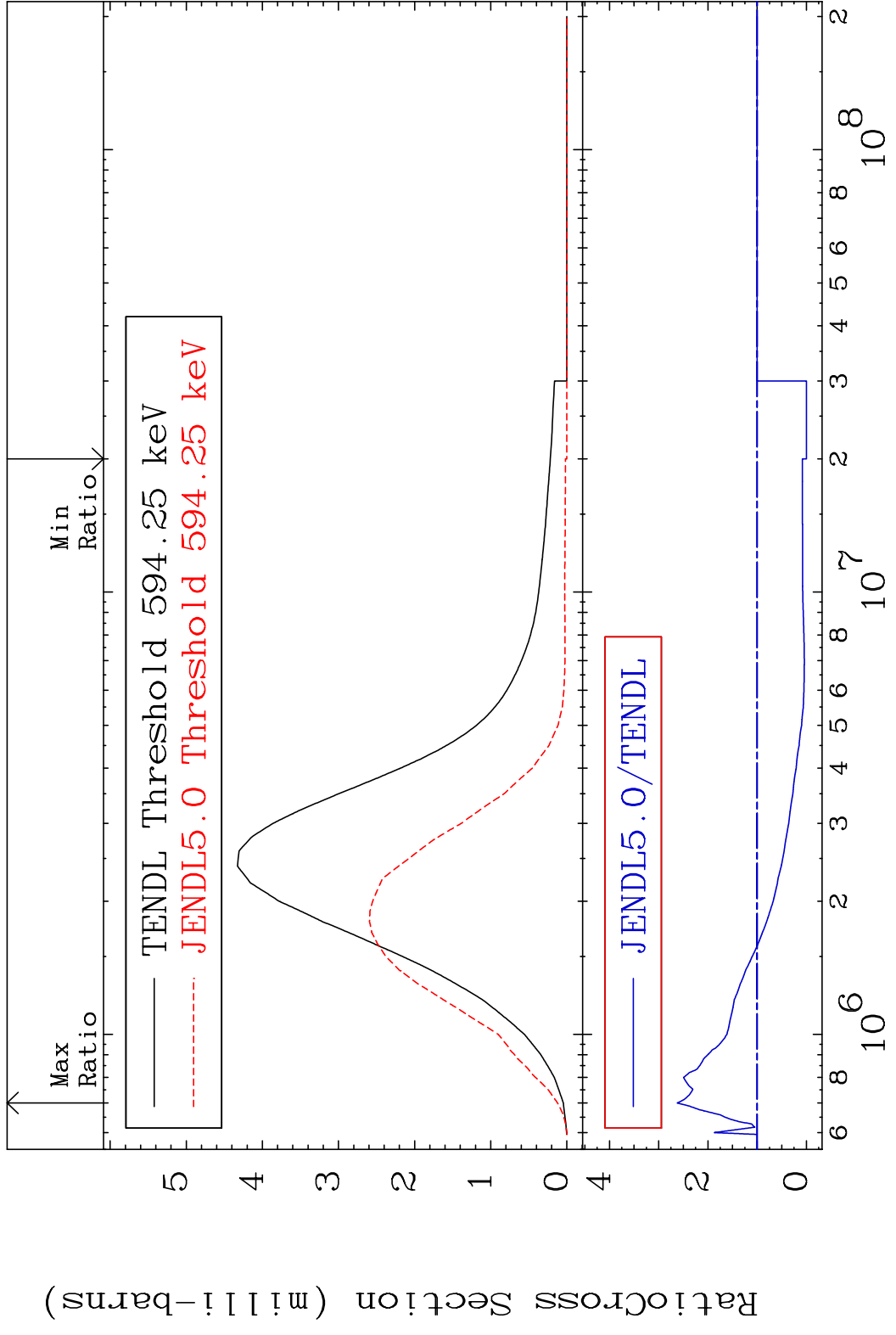
MAT 7725 MT= 62 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 3835. %



MAT 7725 MT= 63 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 317.2 %

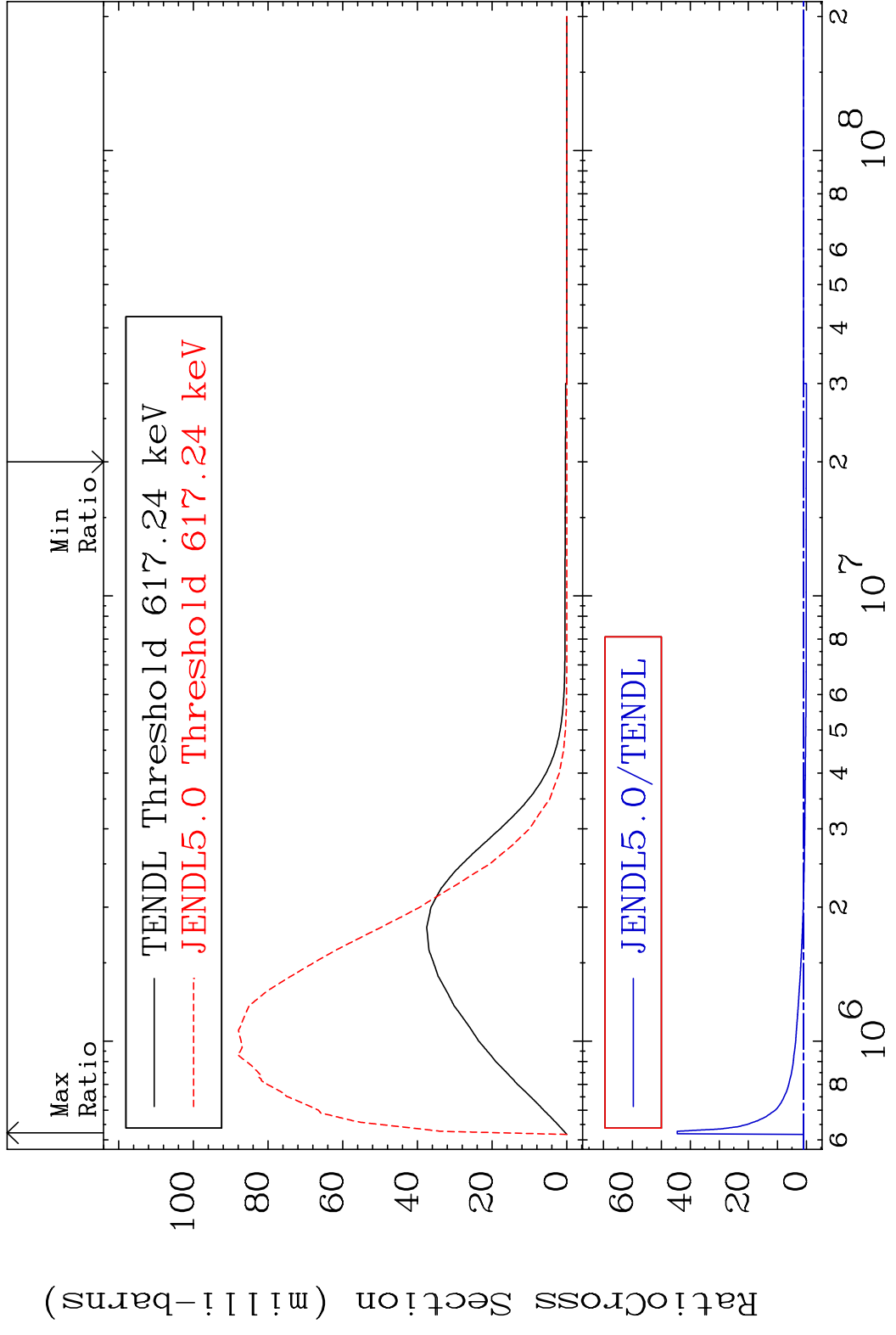


MAT 7725 MT= 64 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 162.4 %

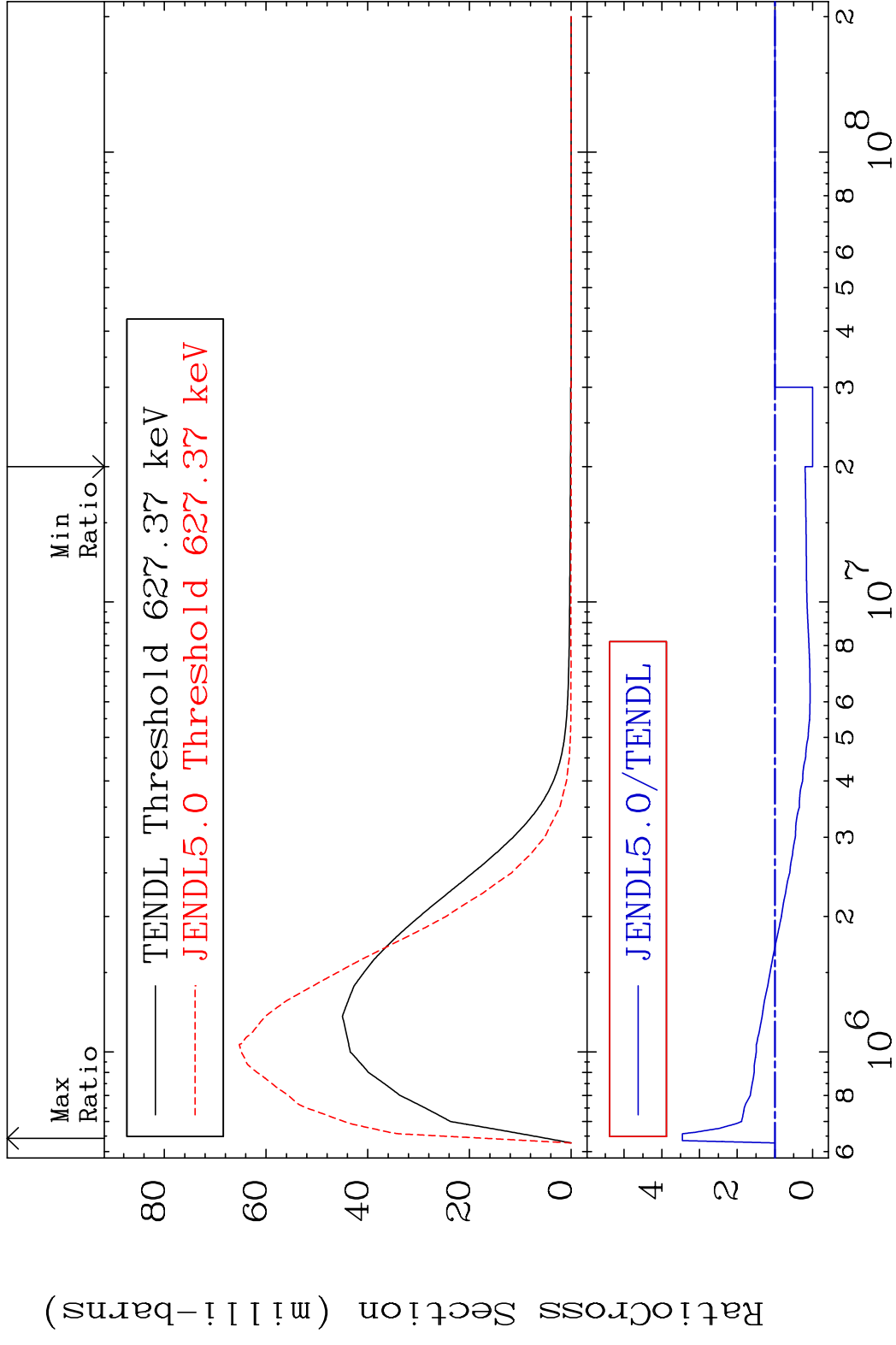


26 Incident Energy (eV) 77-Ir-191

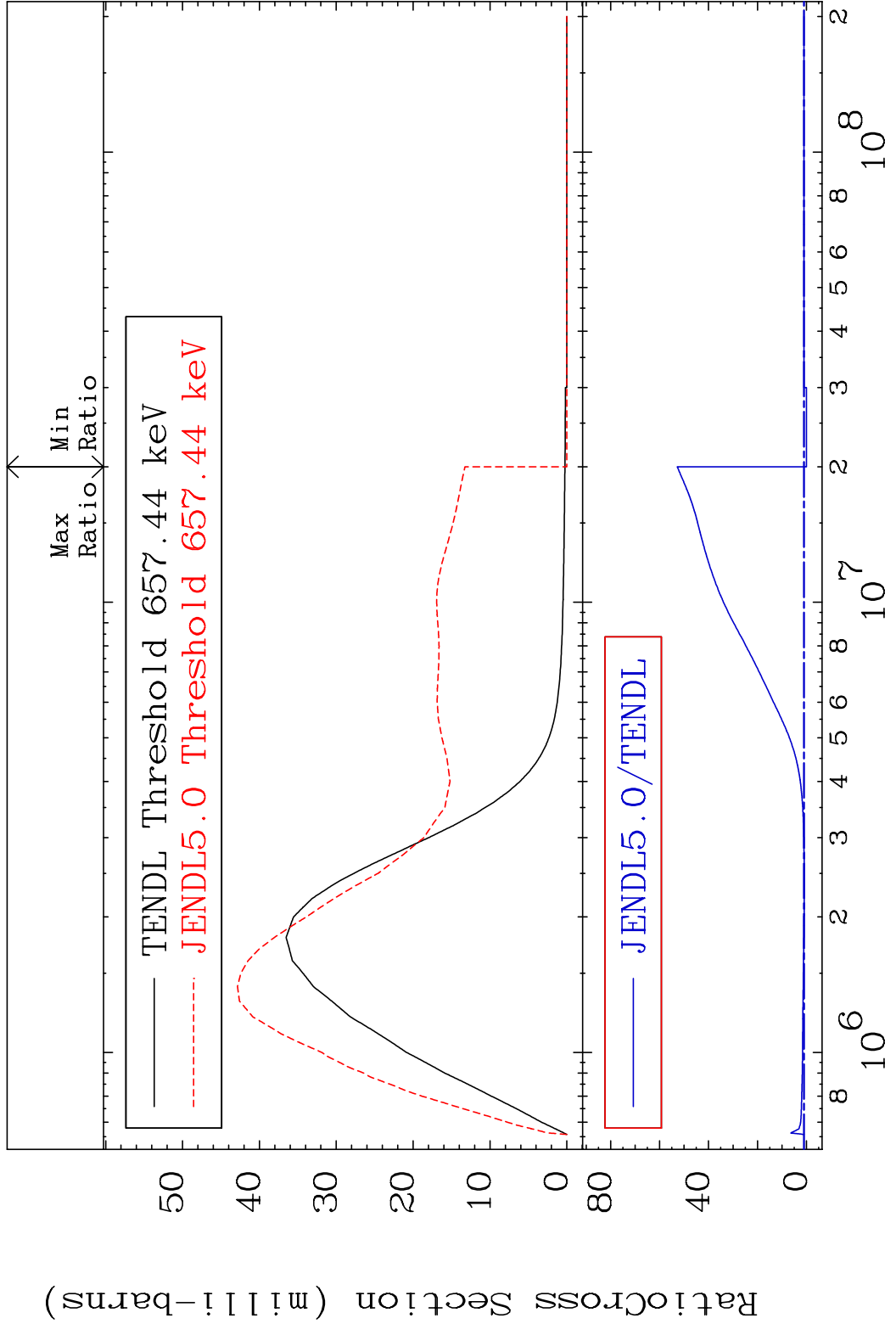
MAT 7725 MT= 65 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 4355. %



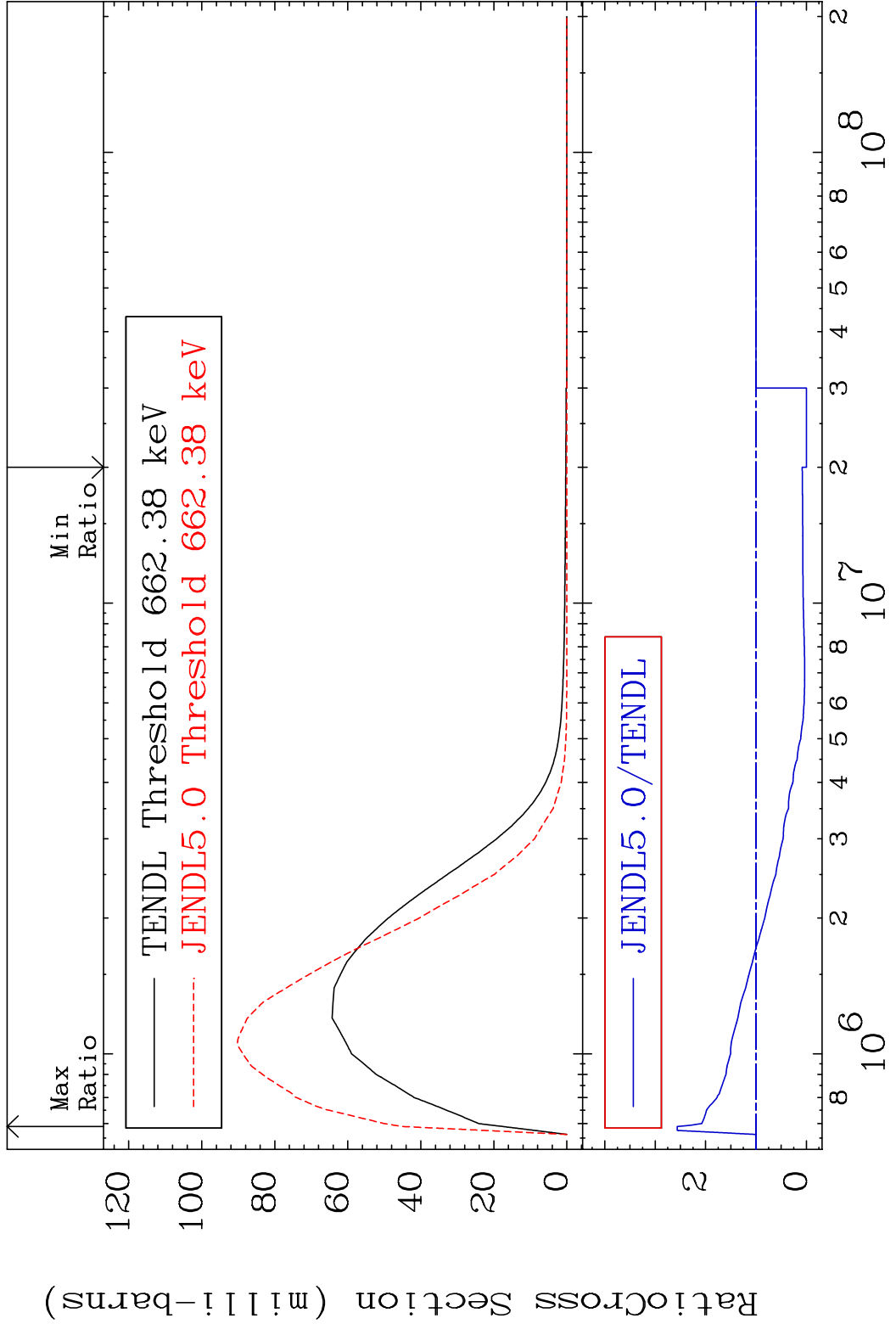
MAT 7725 MT= 66 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 245.5 %



MAT 7725 MT= 67 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 5182. %

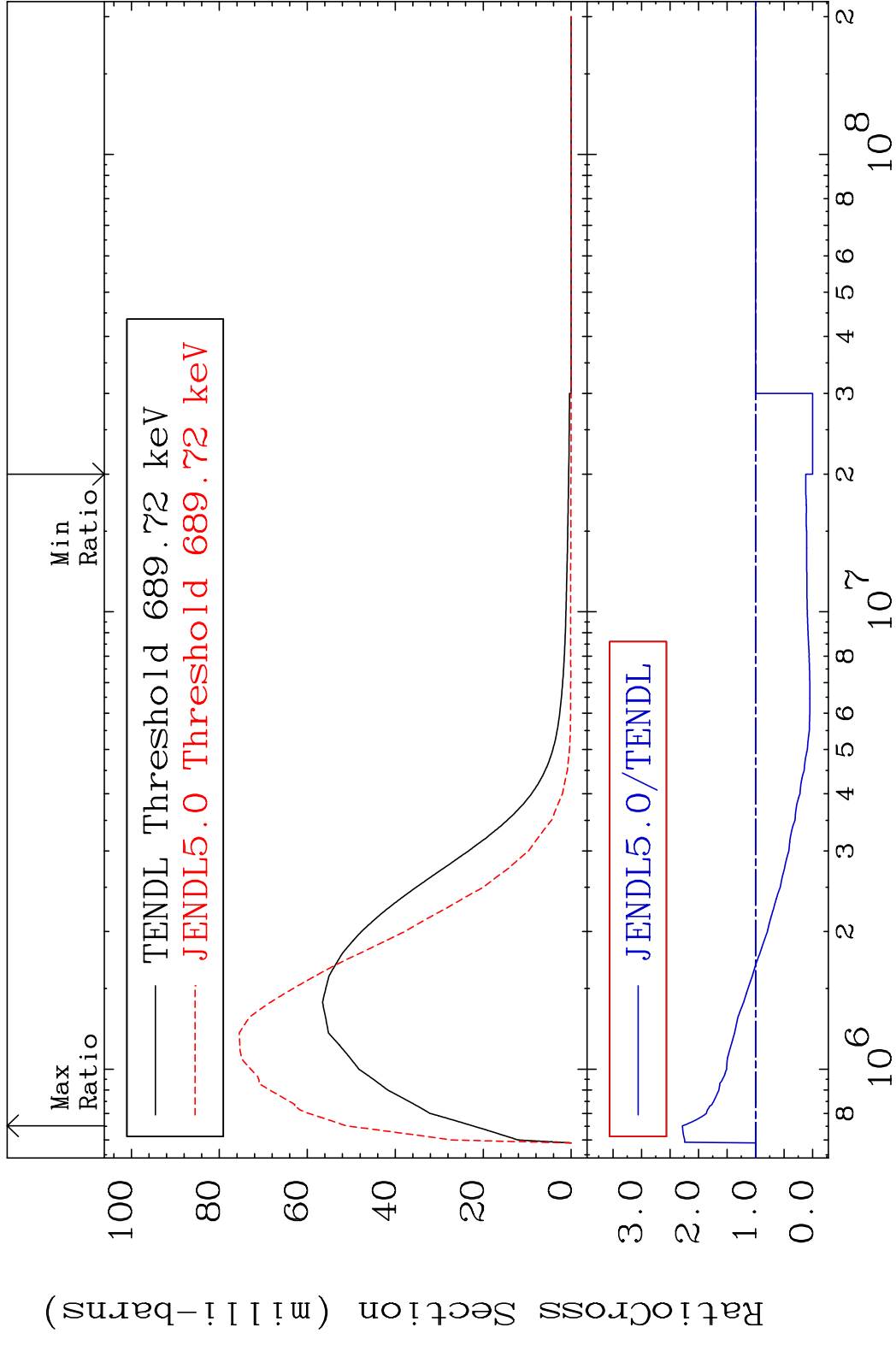


MAT 7725 MT= 68 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 156.4 %



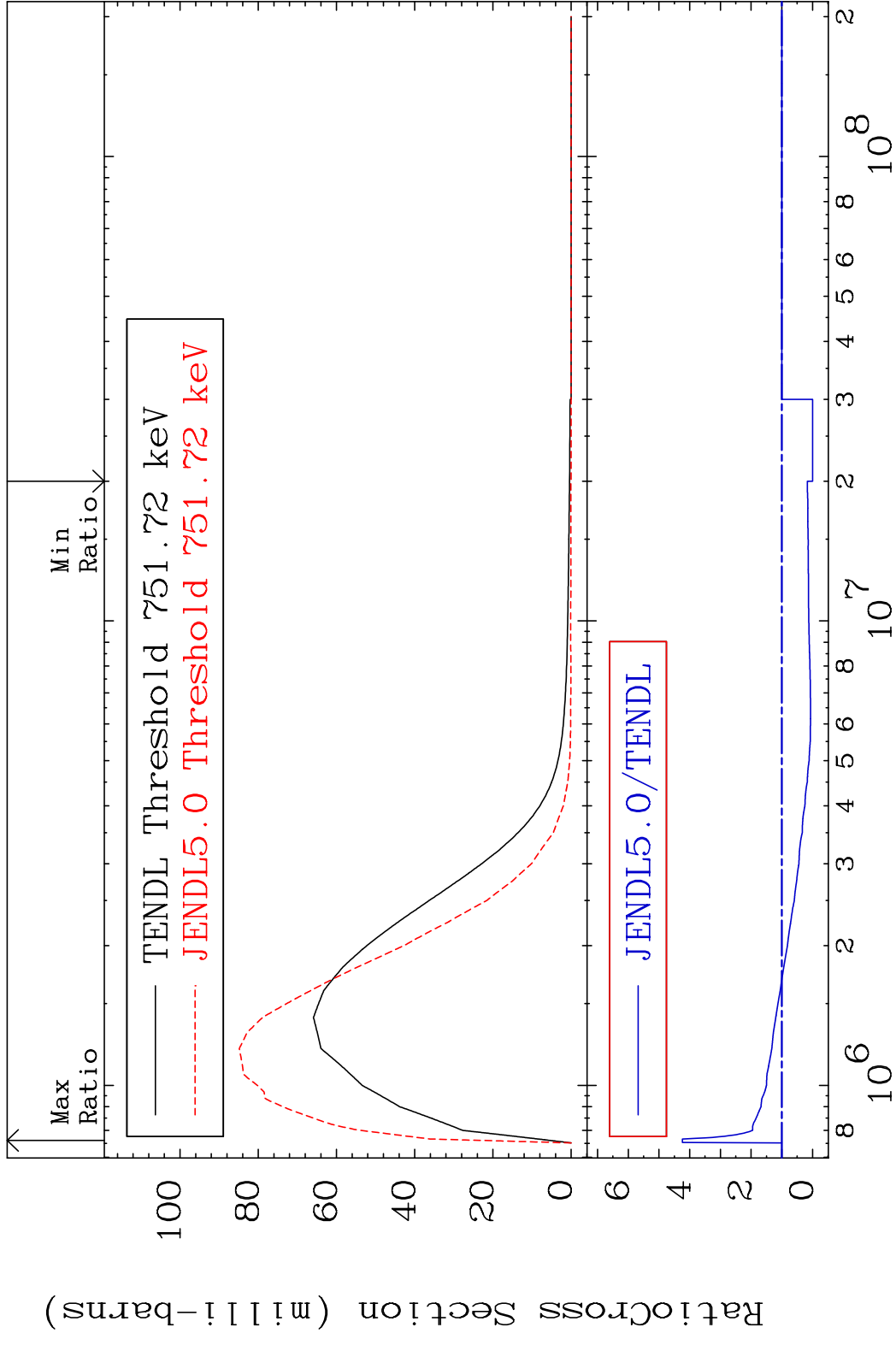
30 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 69 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 128.4 %

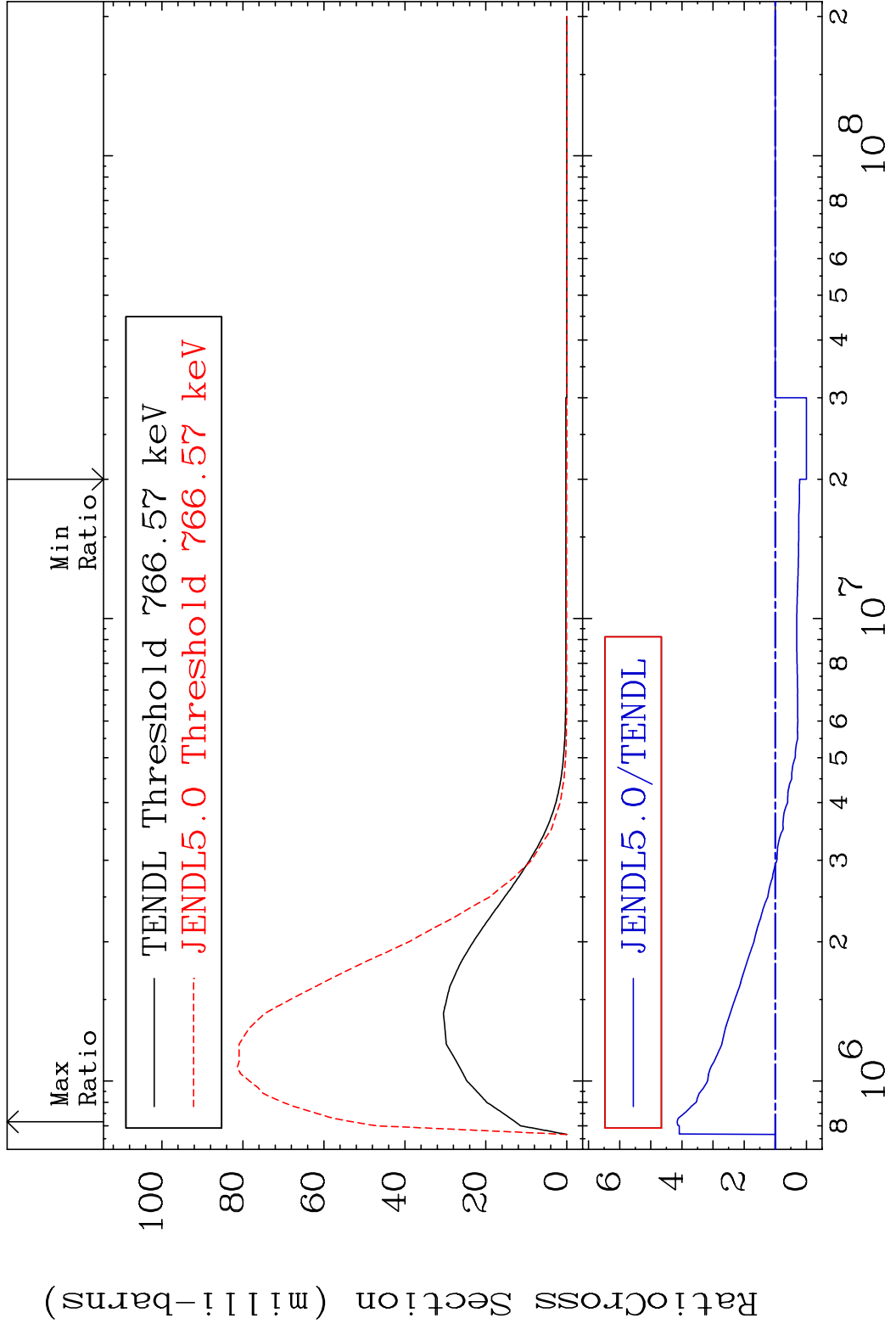




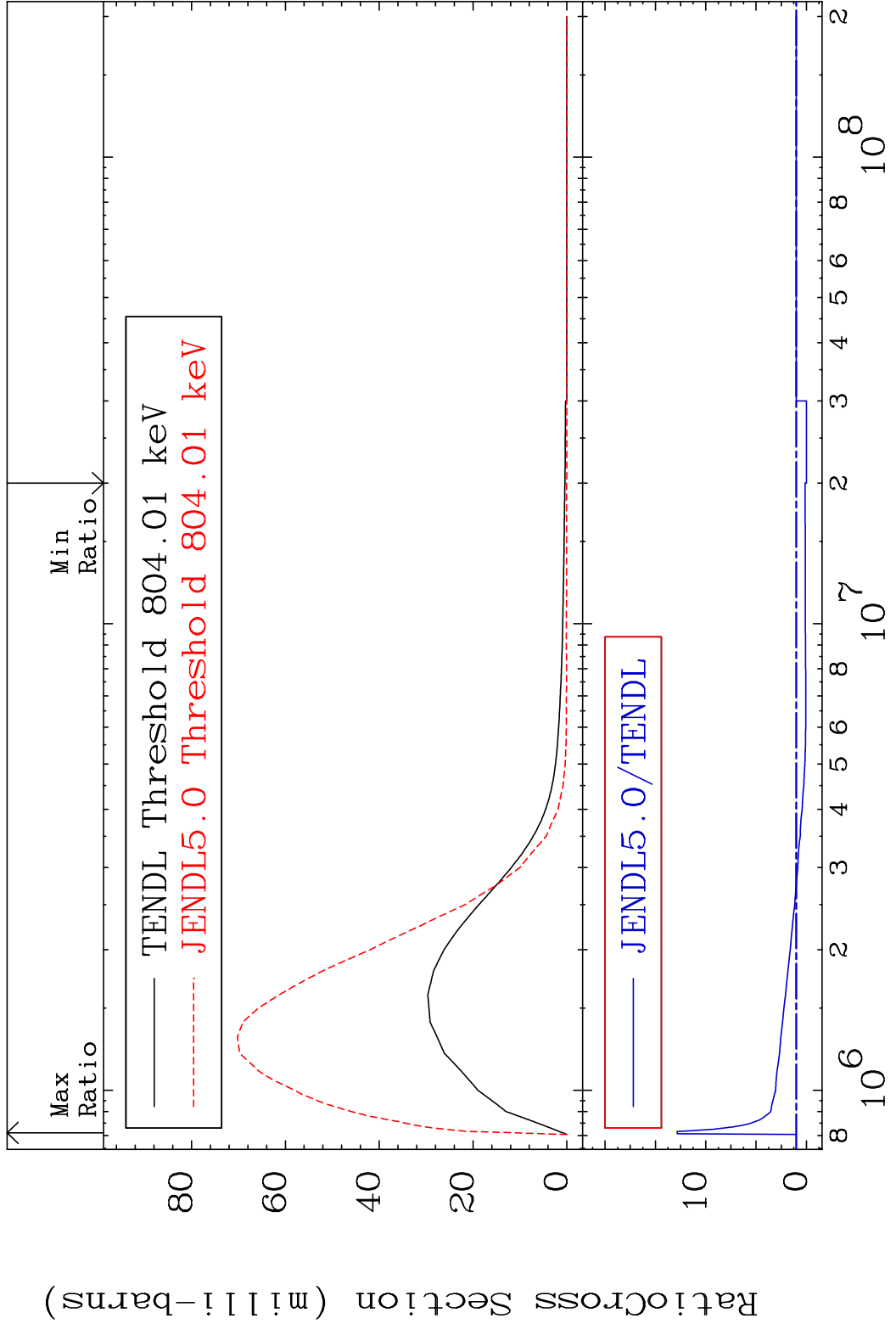
MAT 7725 MT= 70 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 323.9 %



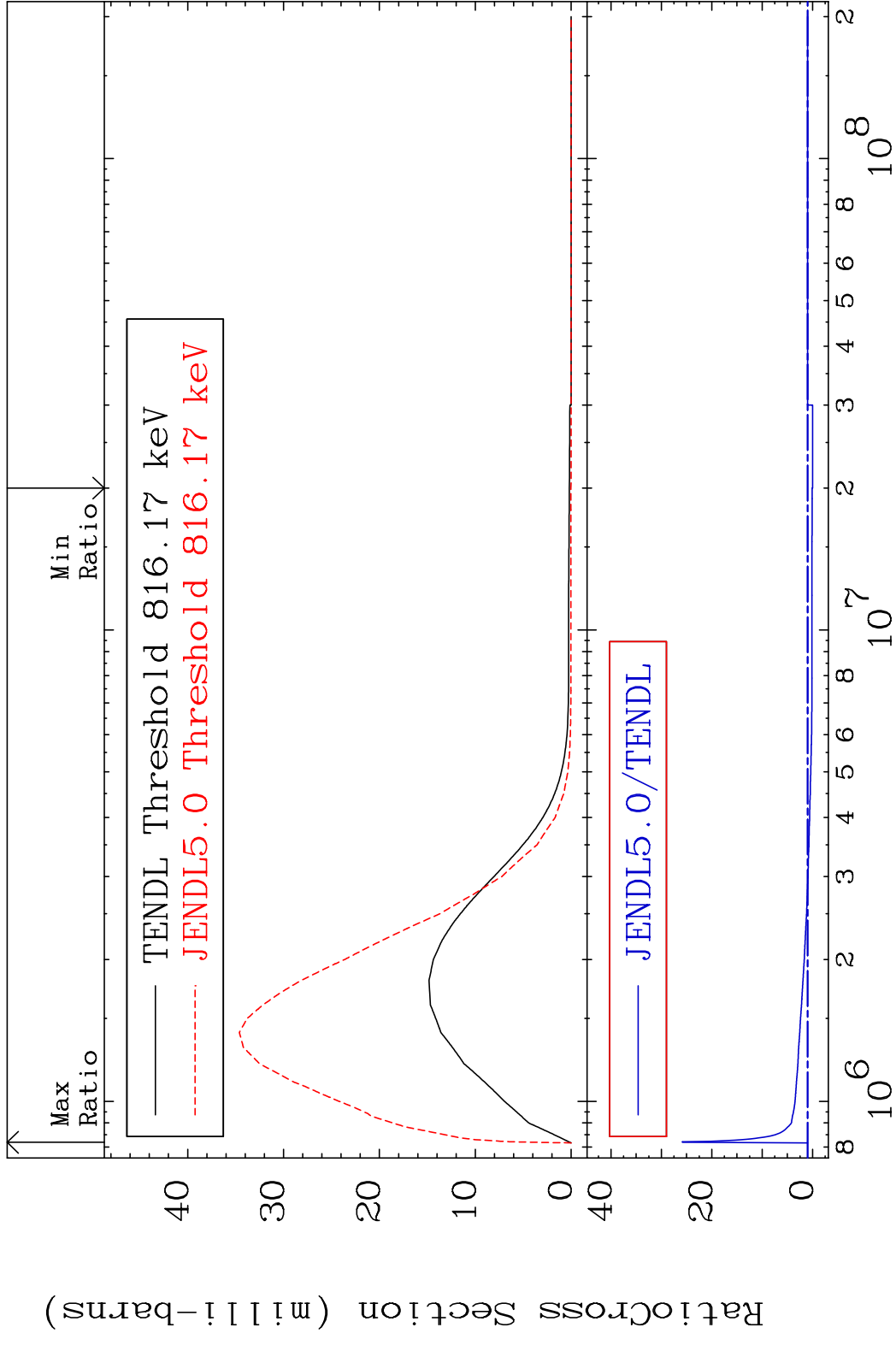
MAT 7725 MT= 71 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 315.2 %



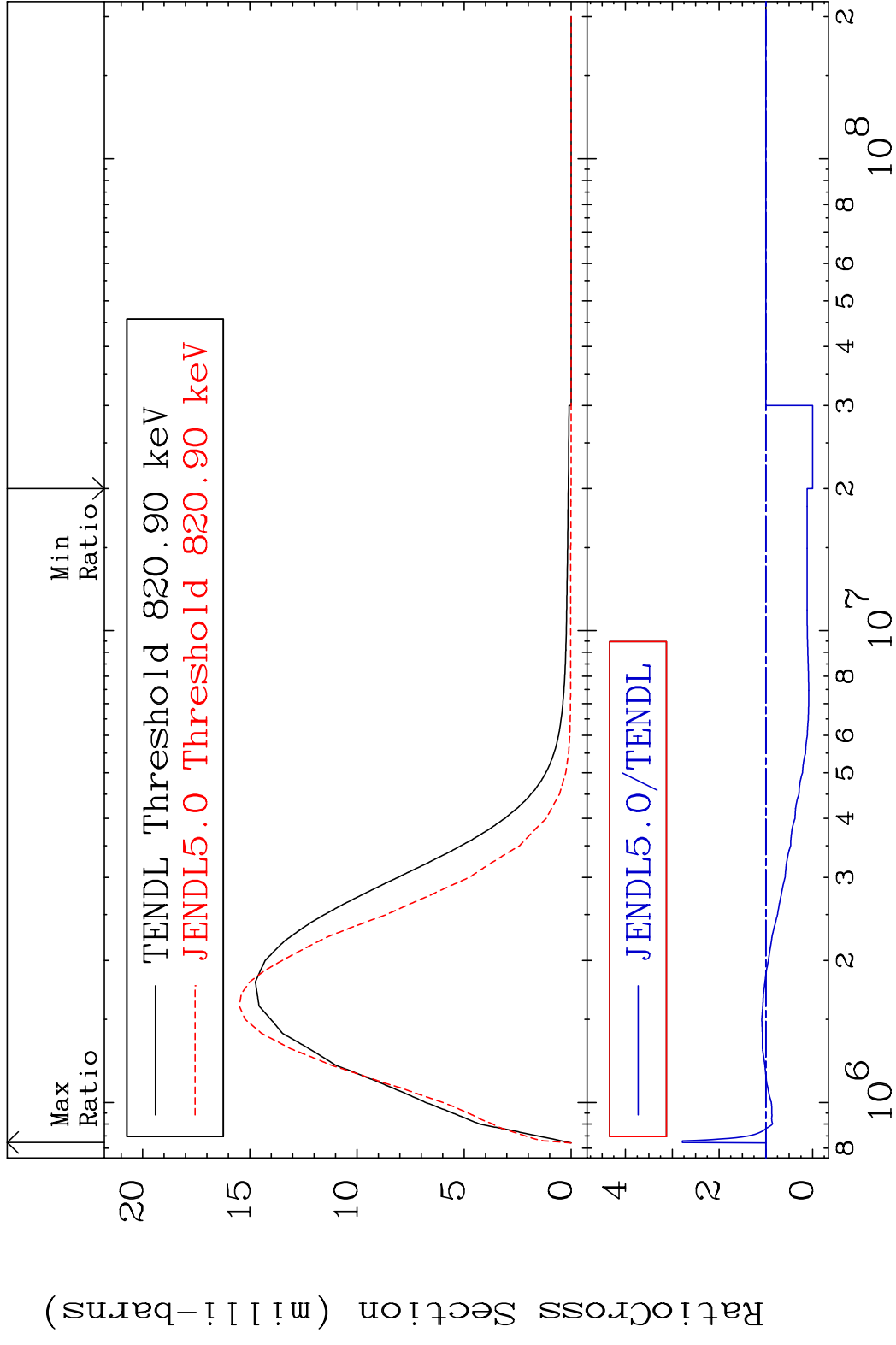
MAT 7725 MT= 72 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 1184. %



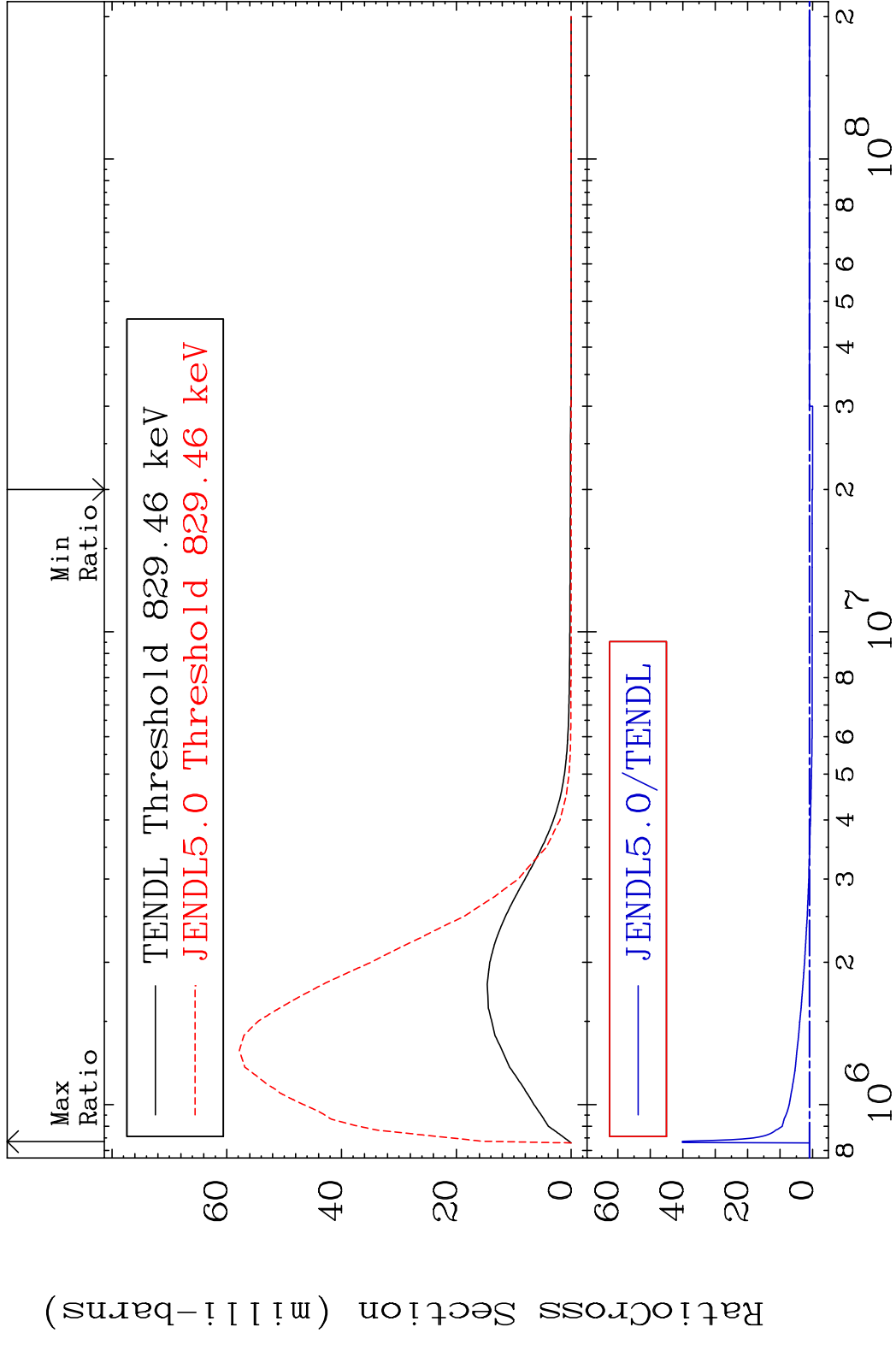
MAT 7725 MT= 73 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 2484. %



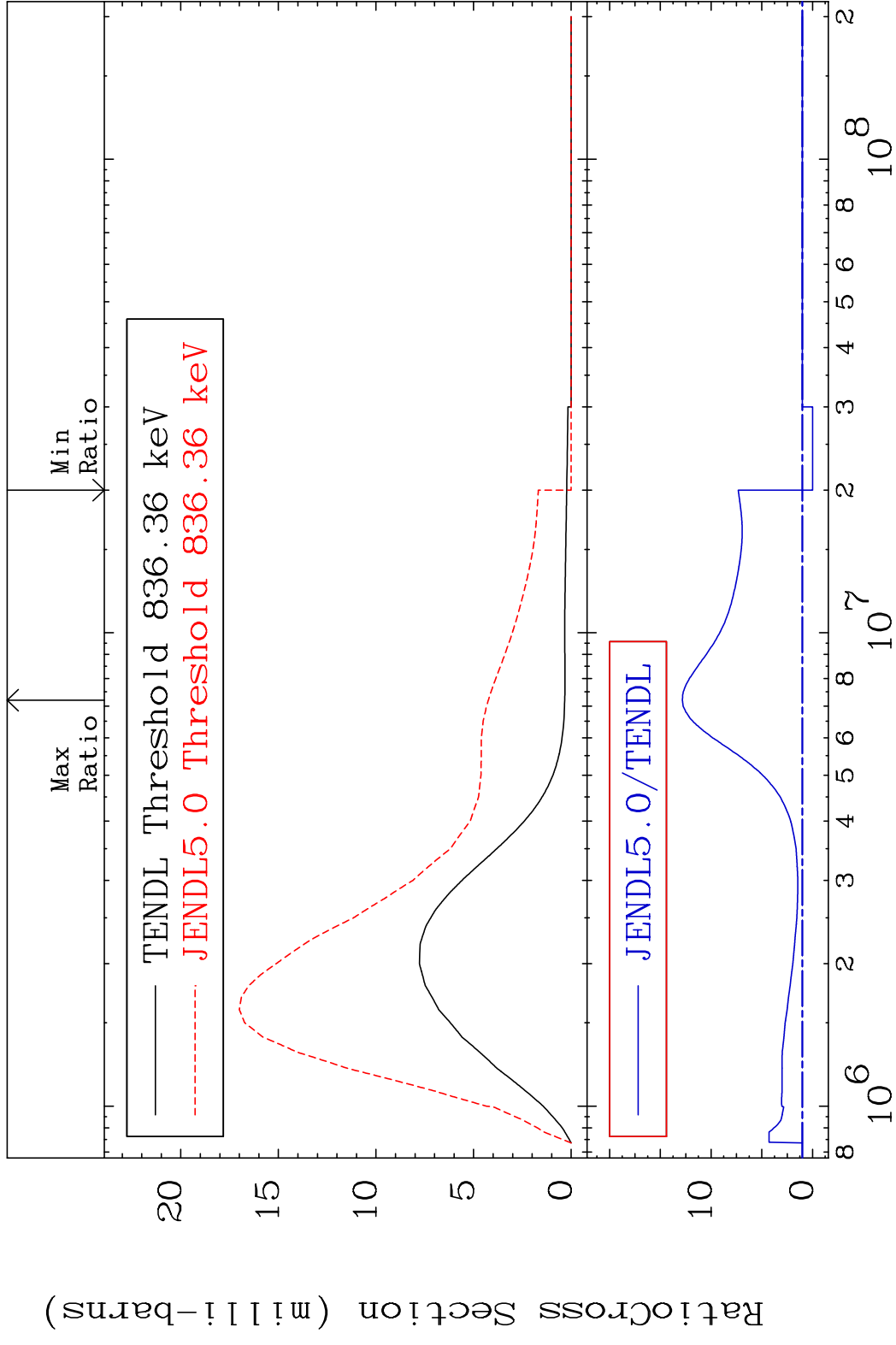
MAT 7725 MT= 74 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 178.4 %



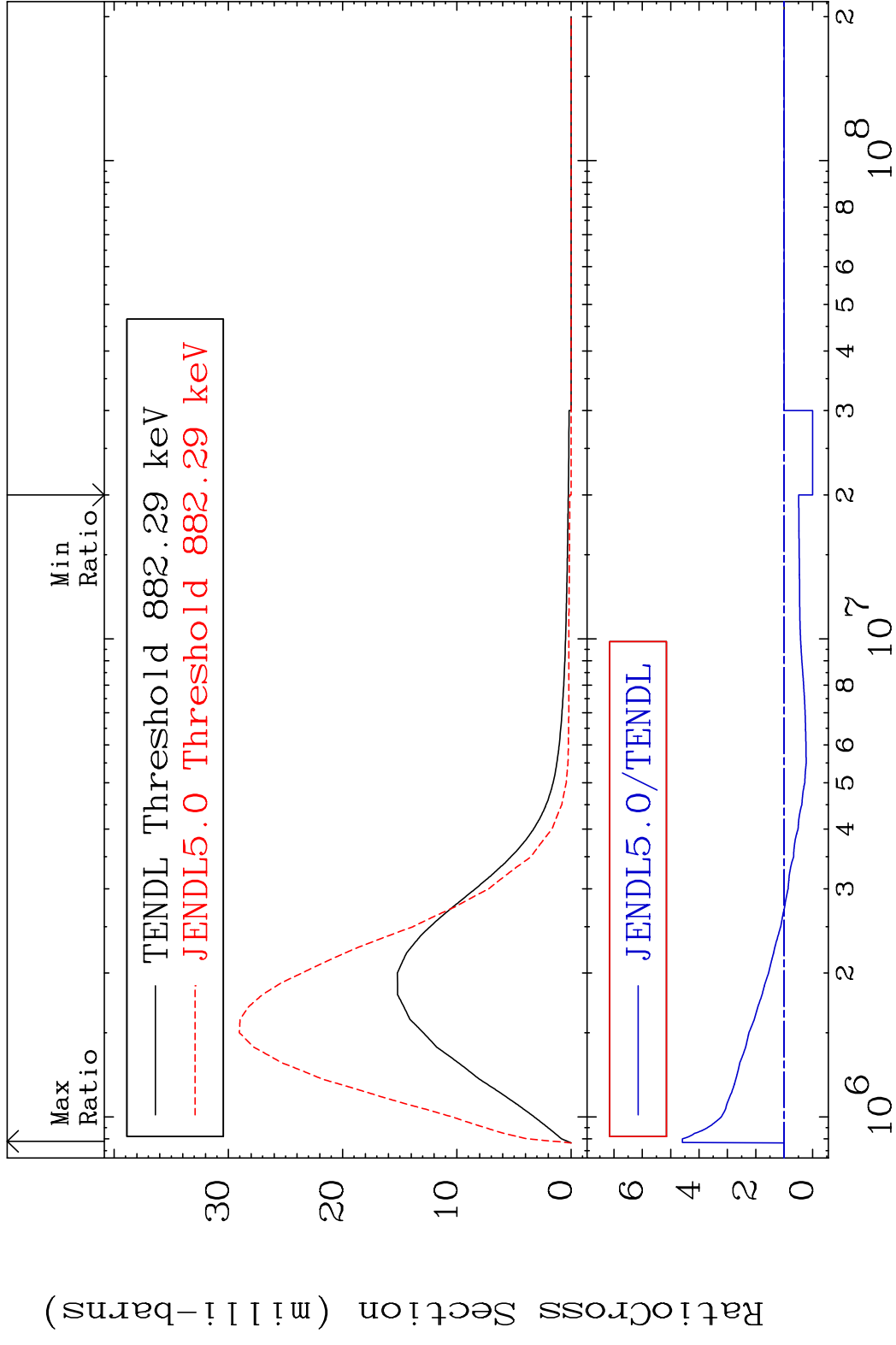
MAT 7725 MT= 75 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 3912. %



MAT 7725 MT= 76 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 1183. %



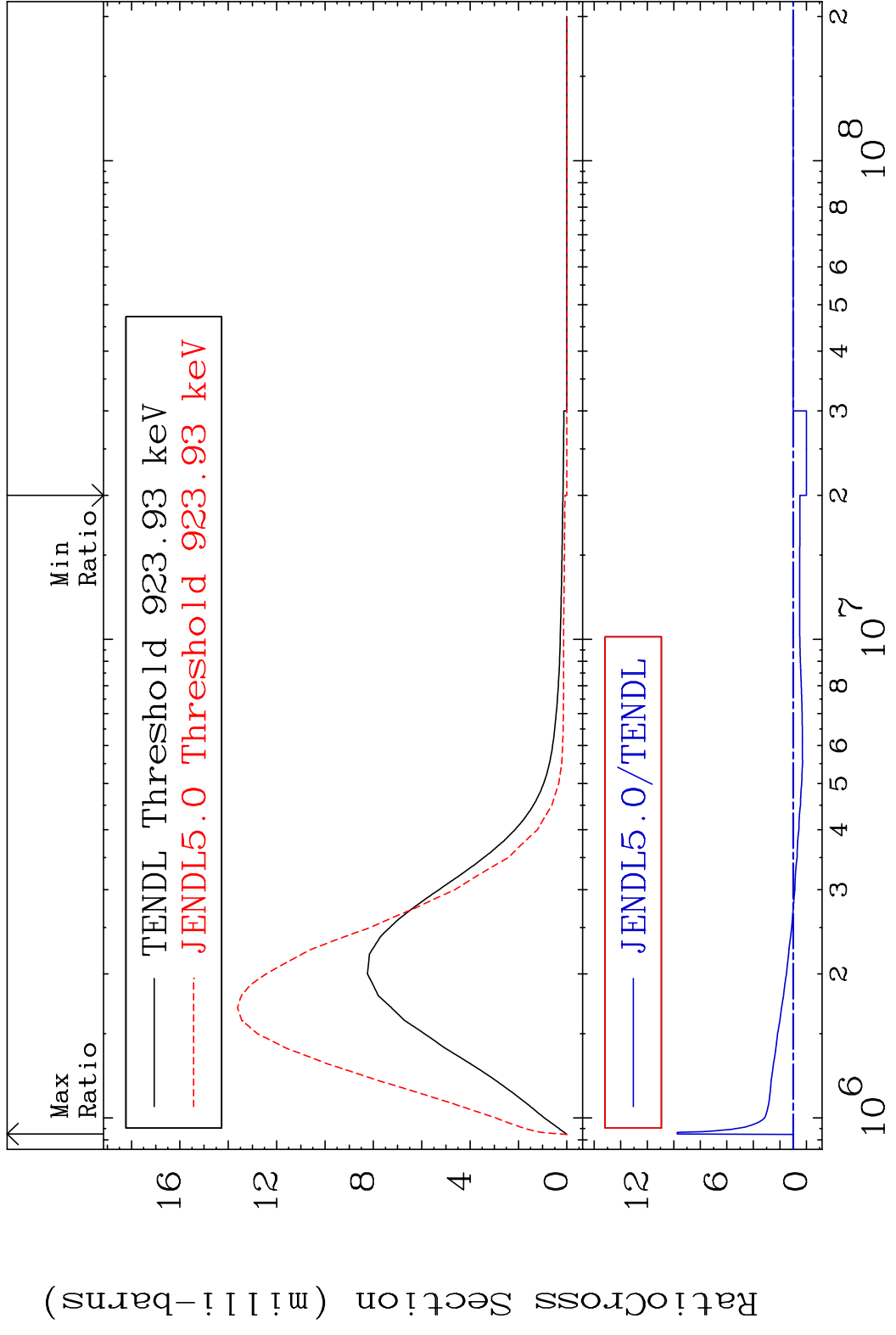
MAT 7725 MT= 77 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 358.8 %



39 Incident Energy (eV) 77-Ir-191

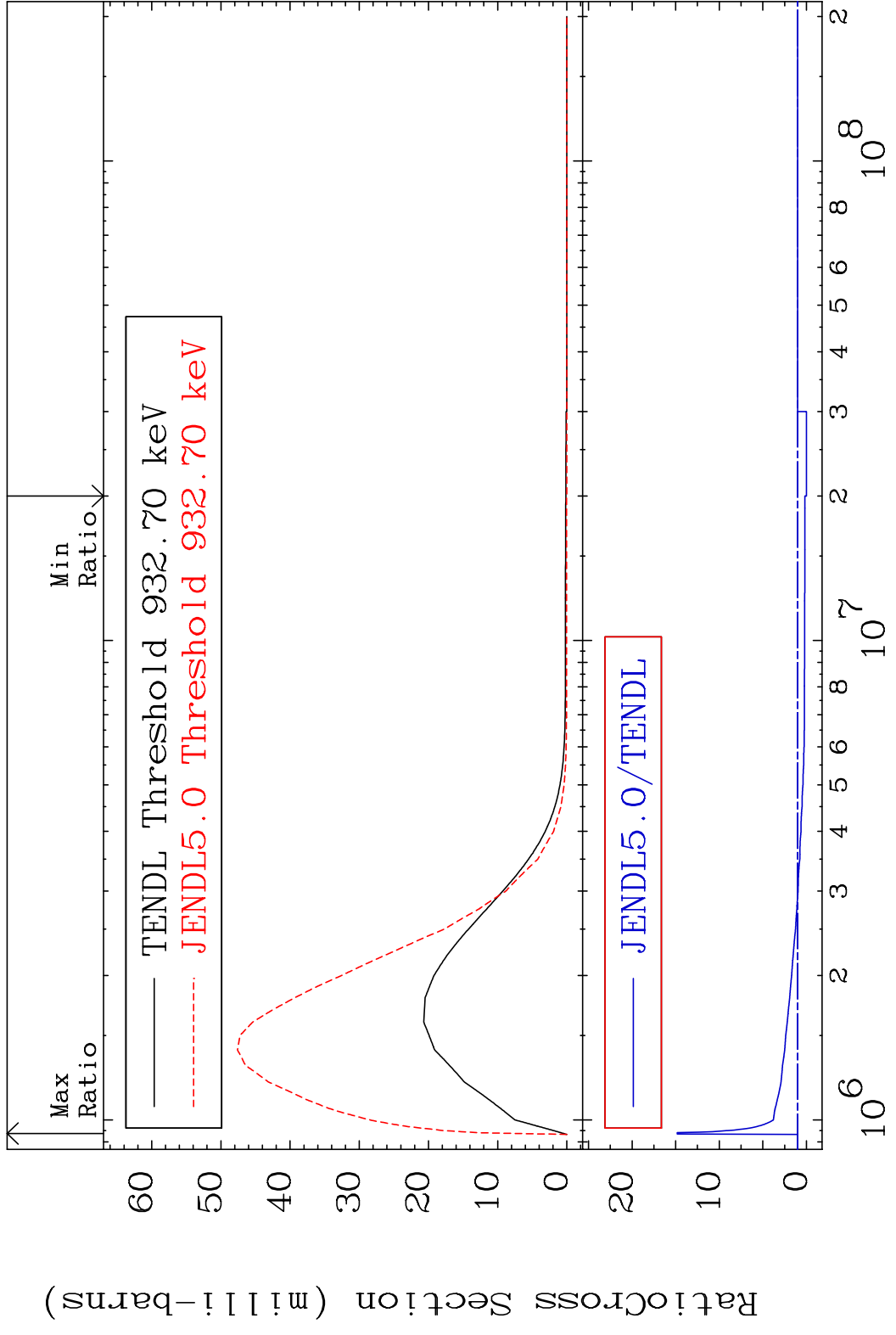


MAT 7725 MT= 78 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 874.3 %



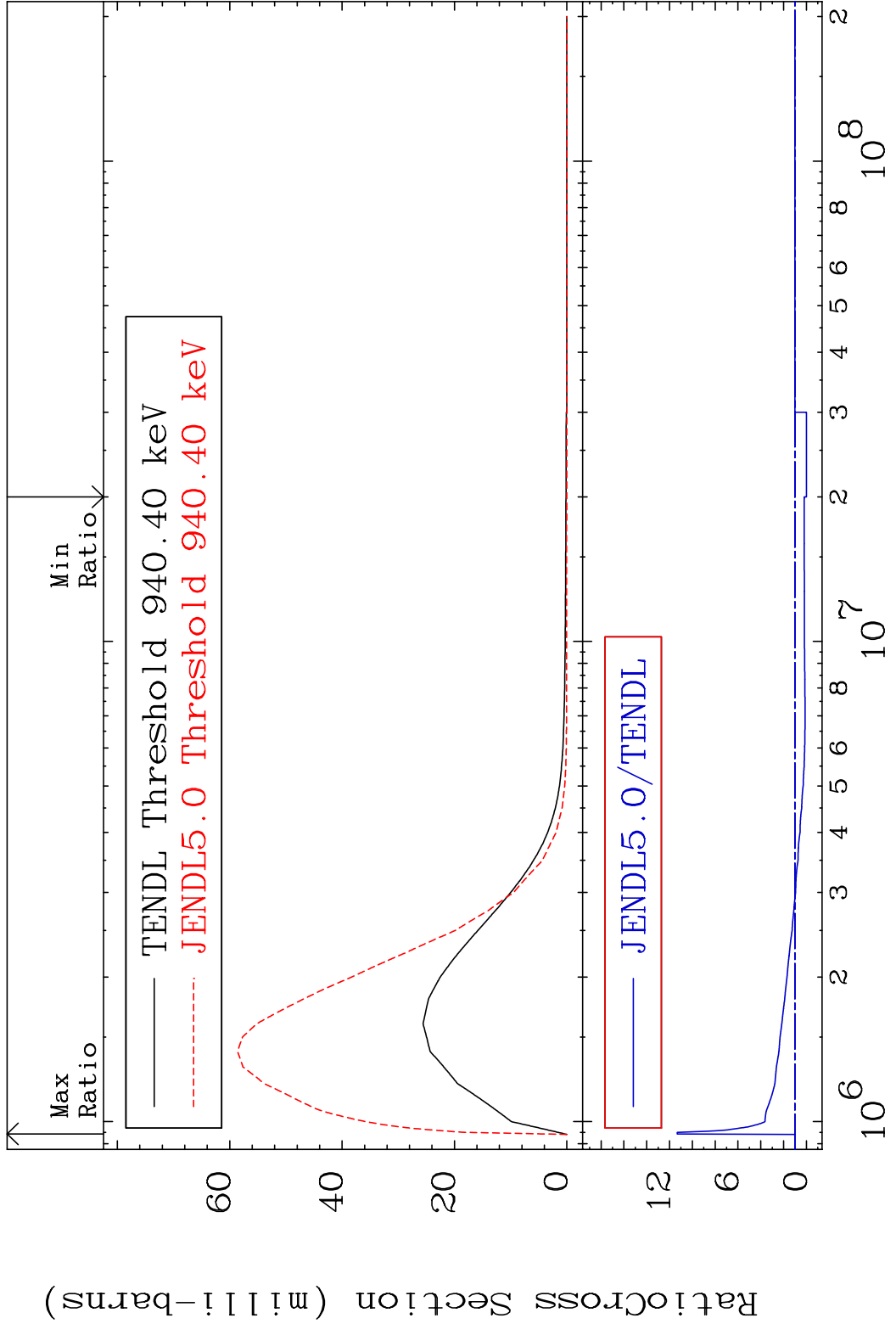
40 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 79 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 1383. %



41 Incident Energy (eV) 77-Ir-191

MAT 7725 MT= 80 (n, n') Level 77-Ir-191  
 Cross Section -100.0 To 1033. %

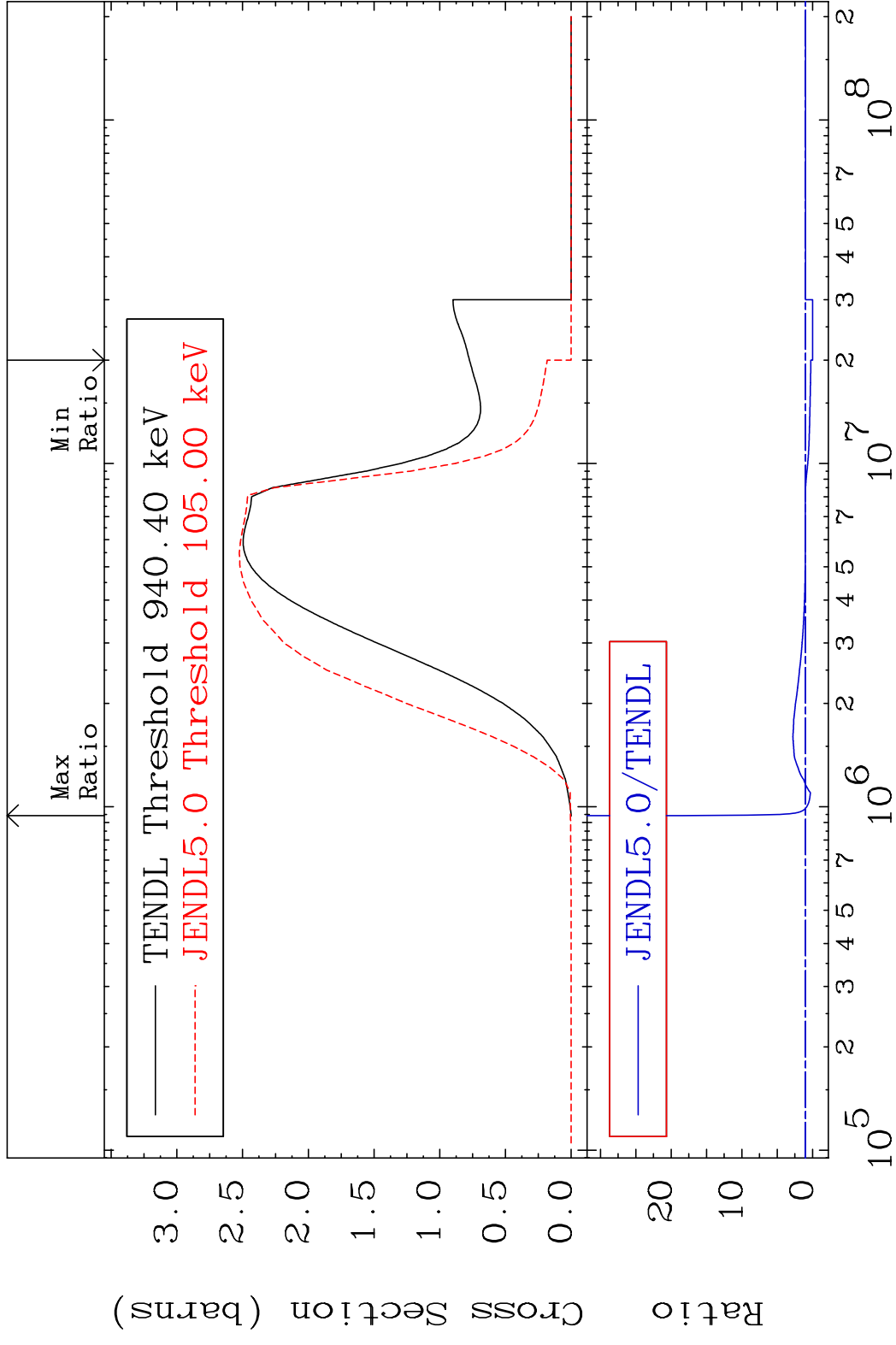


42 Incident Energy (eV) 77-Ir-191

MAT 7725

(n, n') Continuum  
Cross Section -100.0 To 1742. %

77-Ir-191



43

Incident Energy (eV)

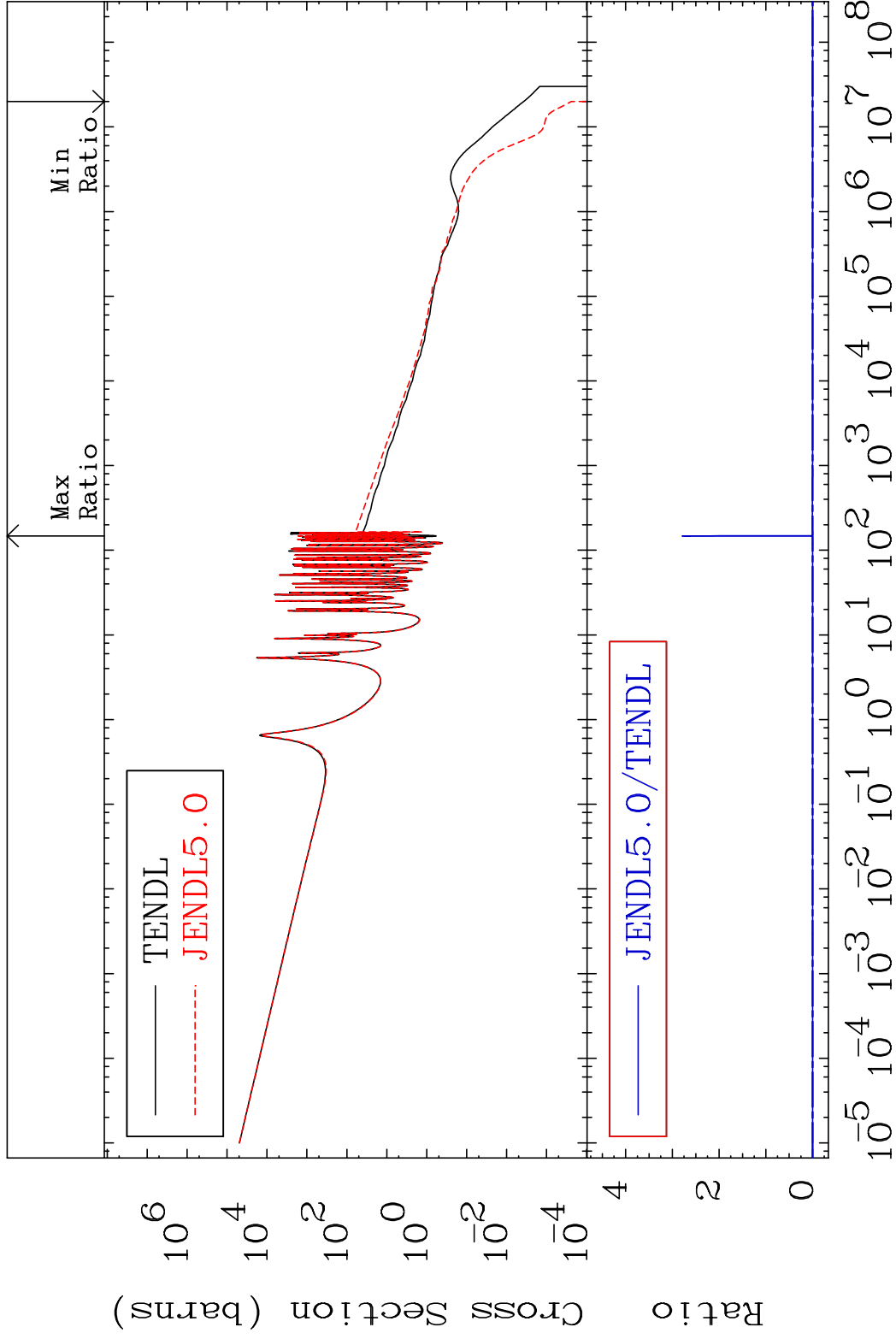
77-Ir-191

MAT 7725

(n,  $\gamma$ )

77-Ir-191

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

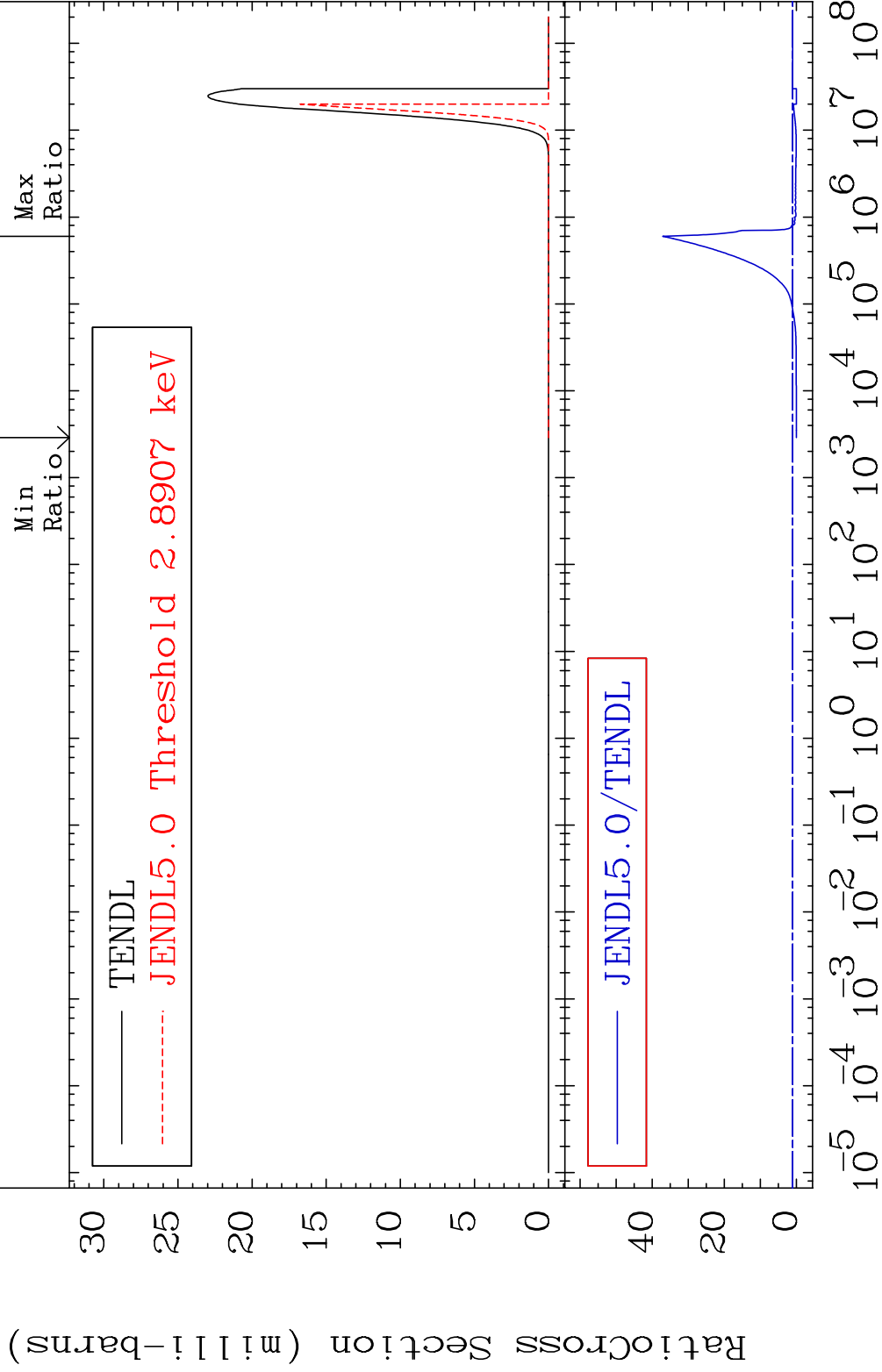
77-Ir-191

MAT 7725

(n, p)

77-Ir-191

Cross Section -100.0 To 3606. %



45

Incident Energy (eV)

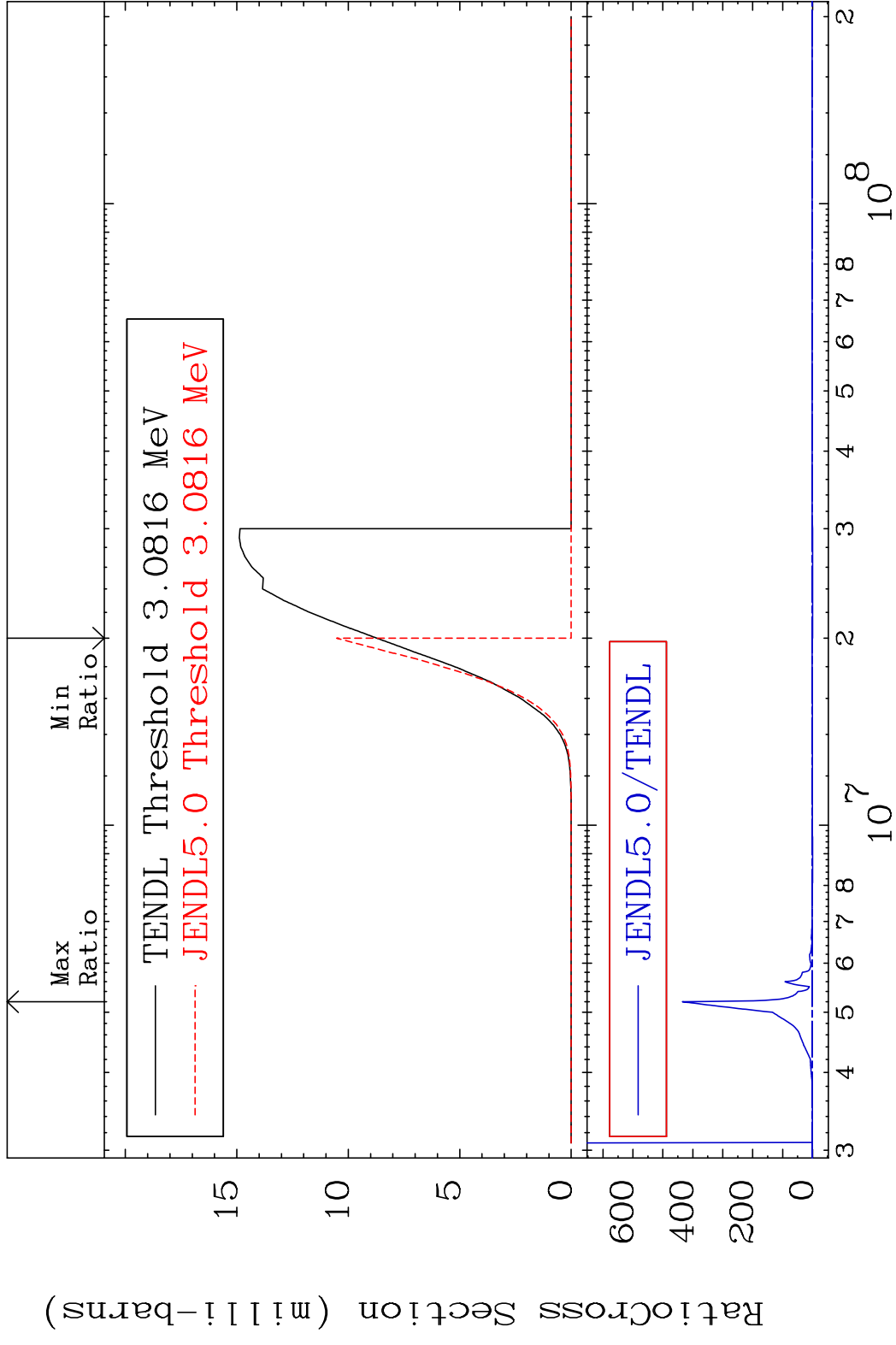
77-Ir-191

MAT 7725

(n, d)

77-Ir-191

Cross Section -100.0 To 9999. %

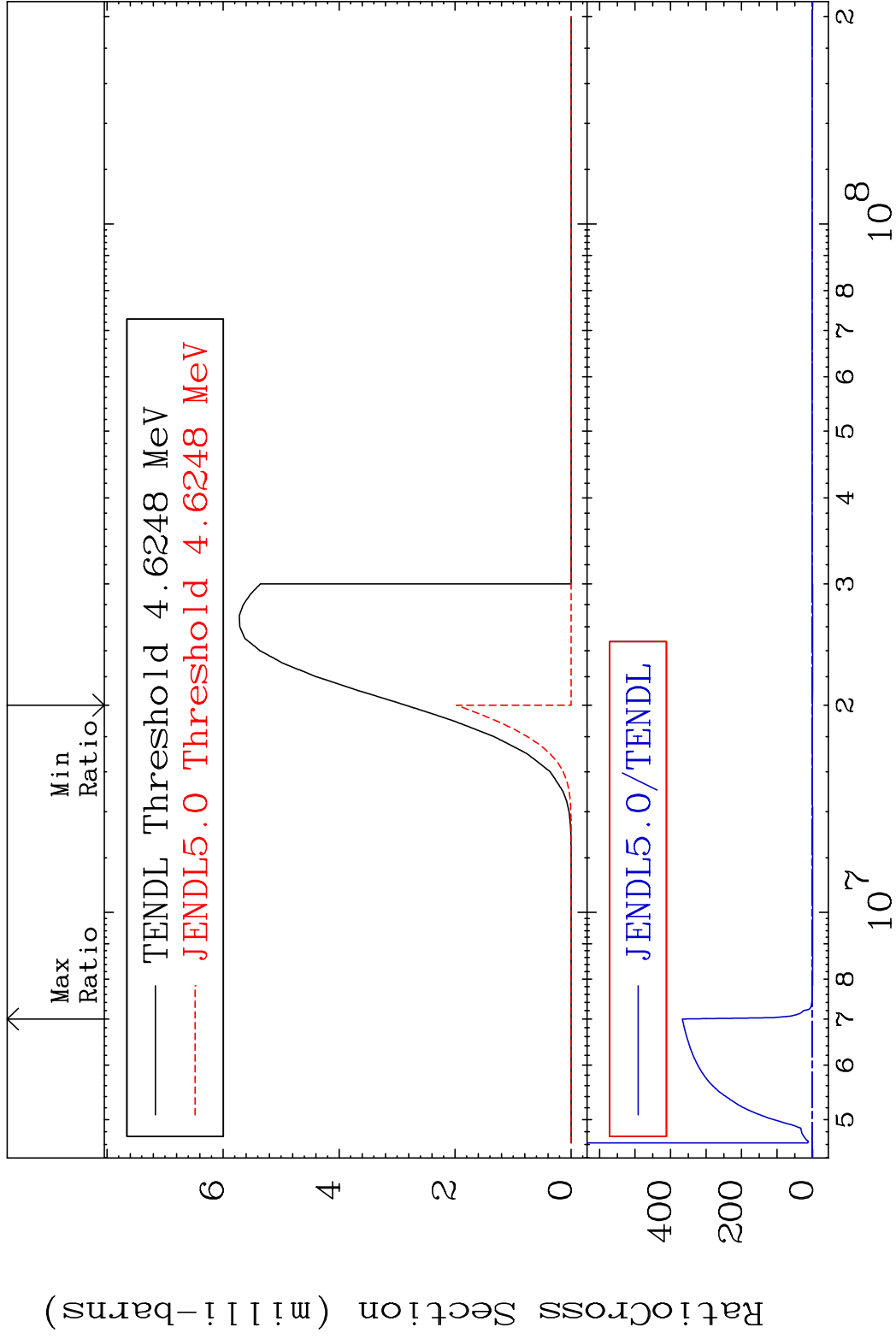


MAT 7725

(n, t)

77-Ir-191

Cross Section -100.0 To 9999. %



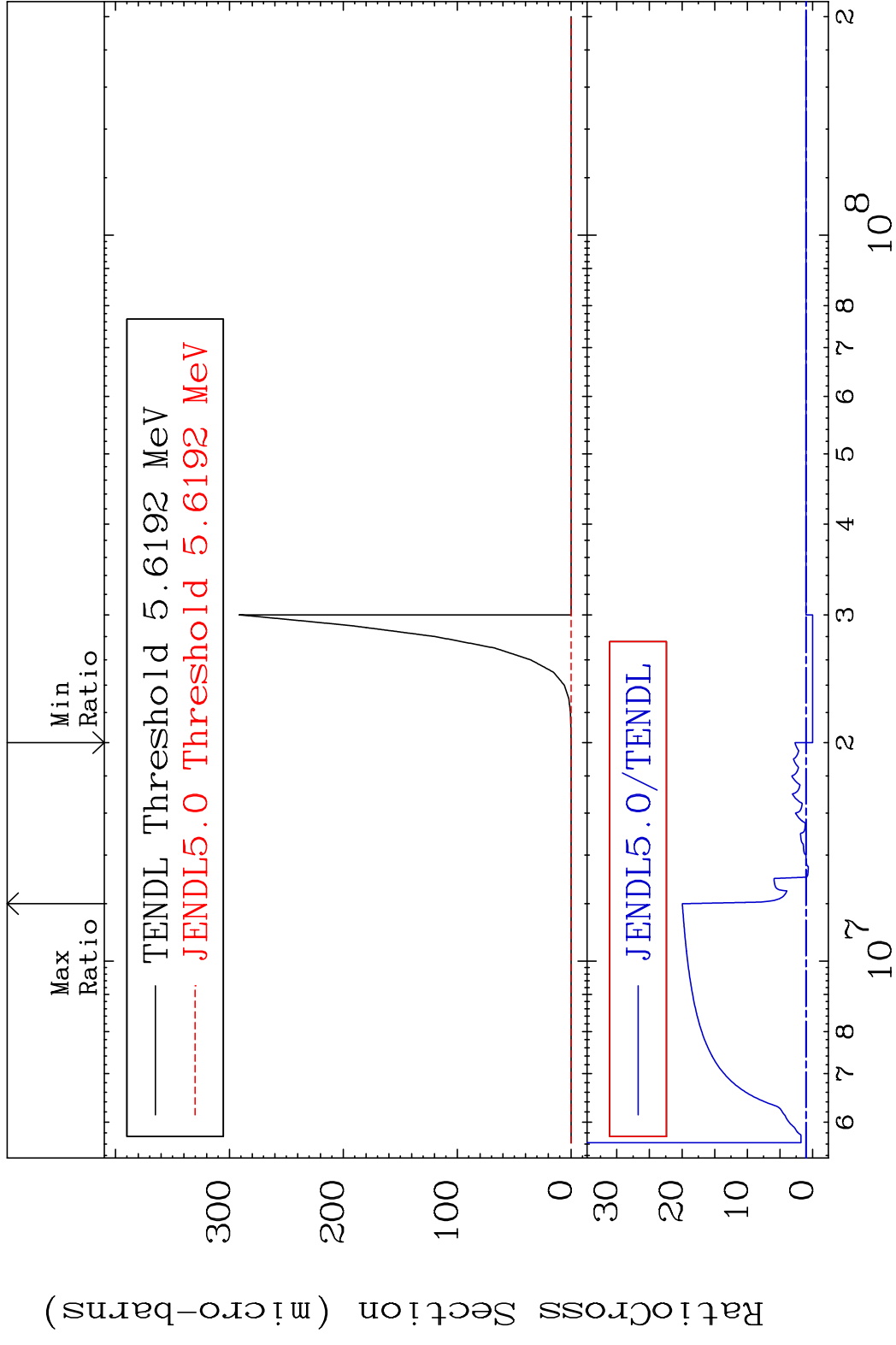
47

Incident Energy (eV)

77-Ir-191



MAT 7725 (n, He-3) 77-Ir-191  
 Cross Section -100.0 To 1895. %

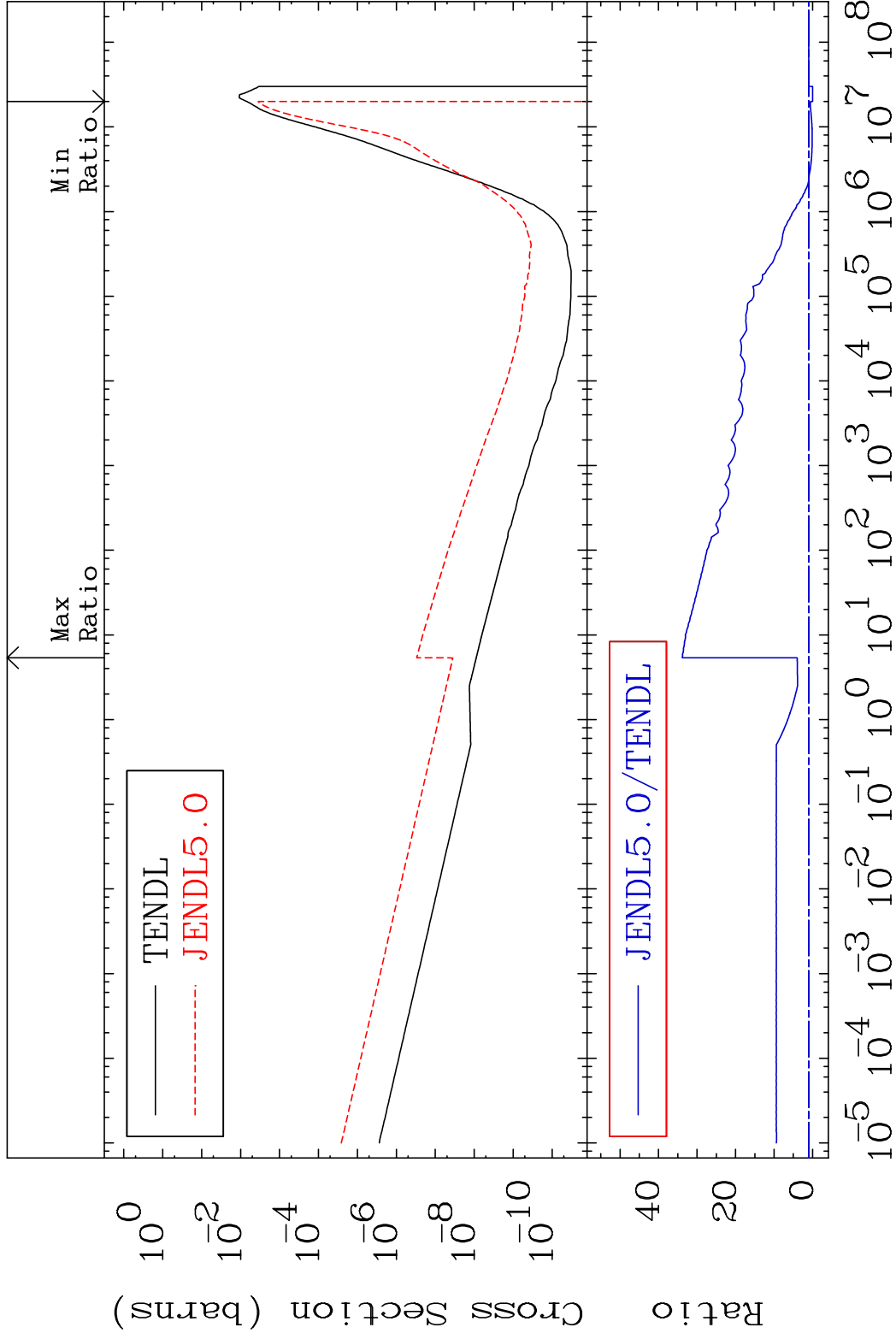


MAT 7725

(n,  $\alpha$ )

77-Ir-191

Cross Section -100.0 To 3281. %



49

Incident Energy (eV)

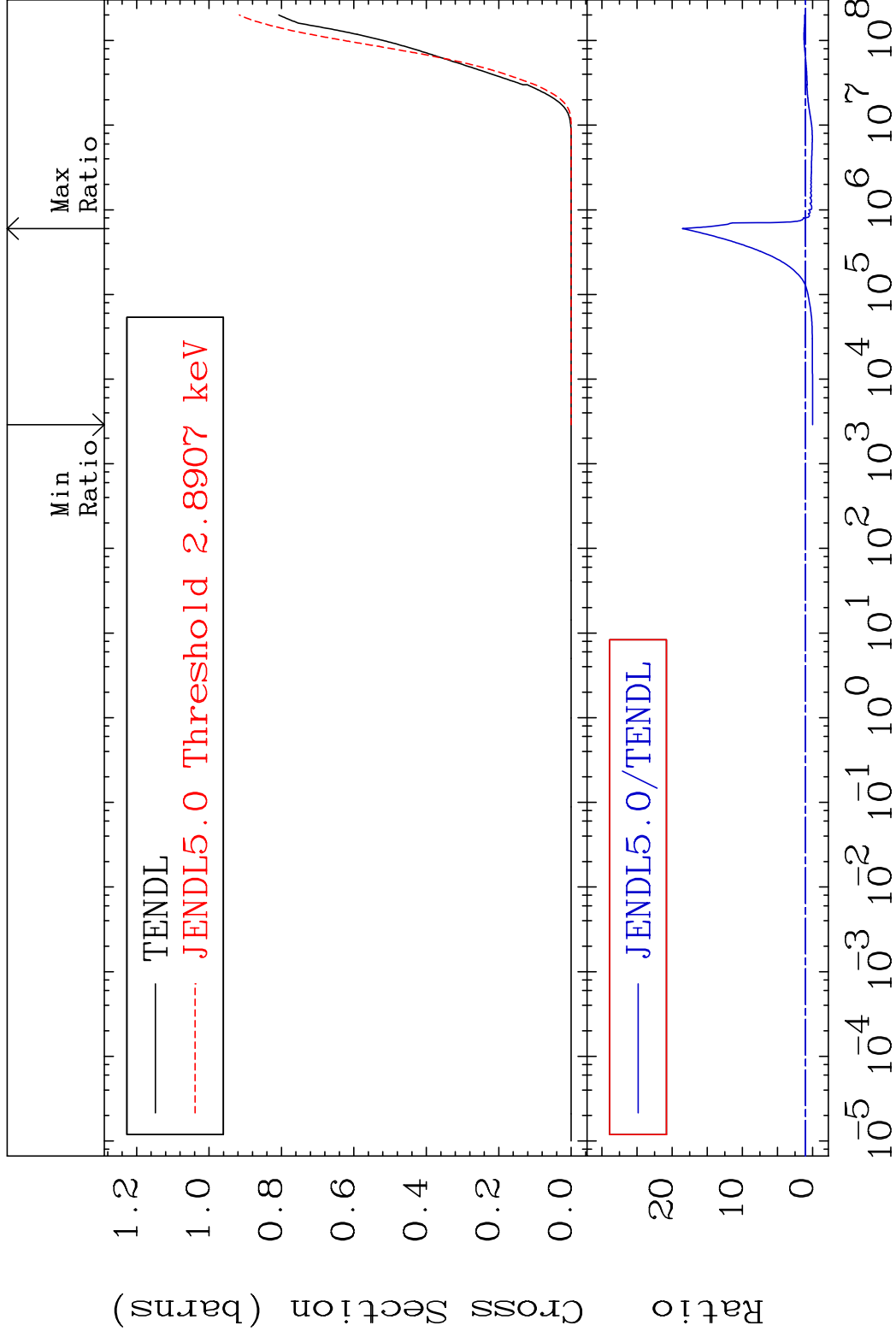
77-Ir-191

MAT 7725

Hydrogen Production

77-Ir-191

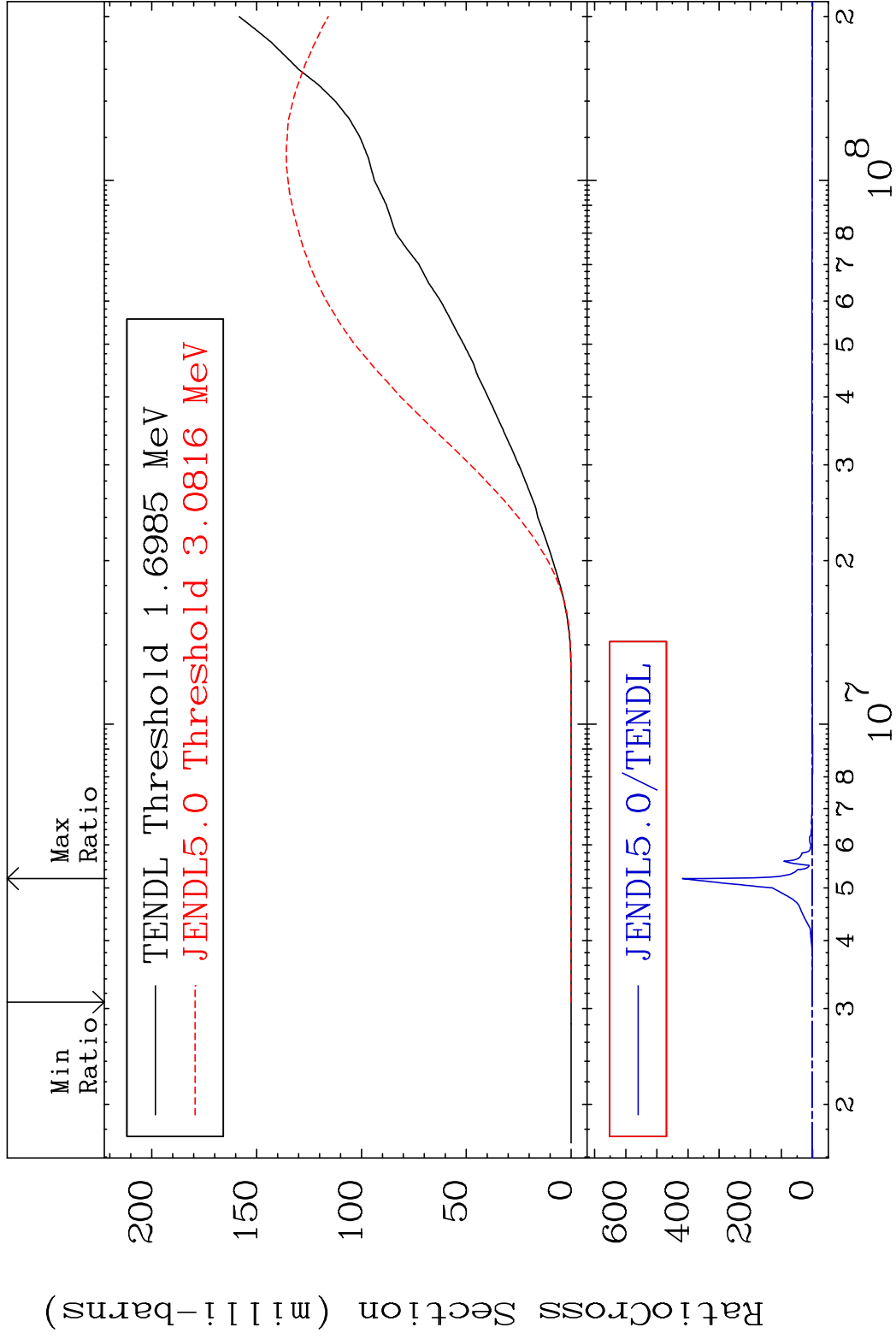
Cross Section -100.0 To 1753. %

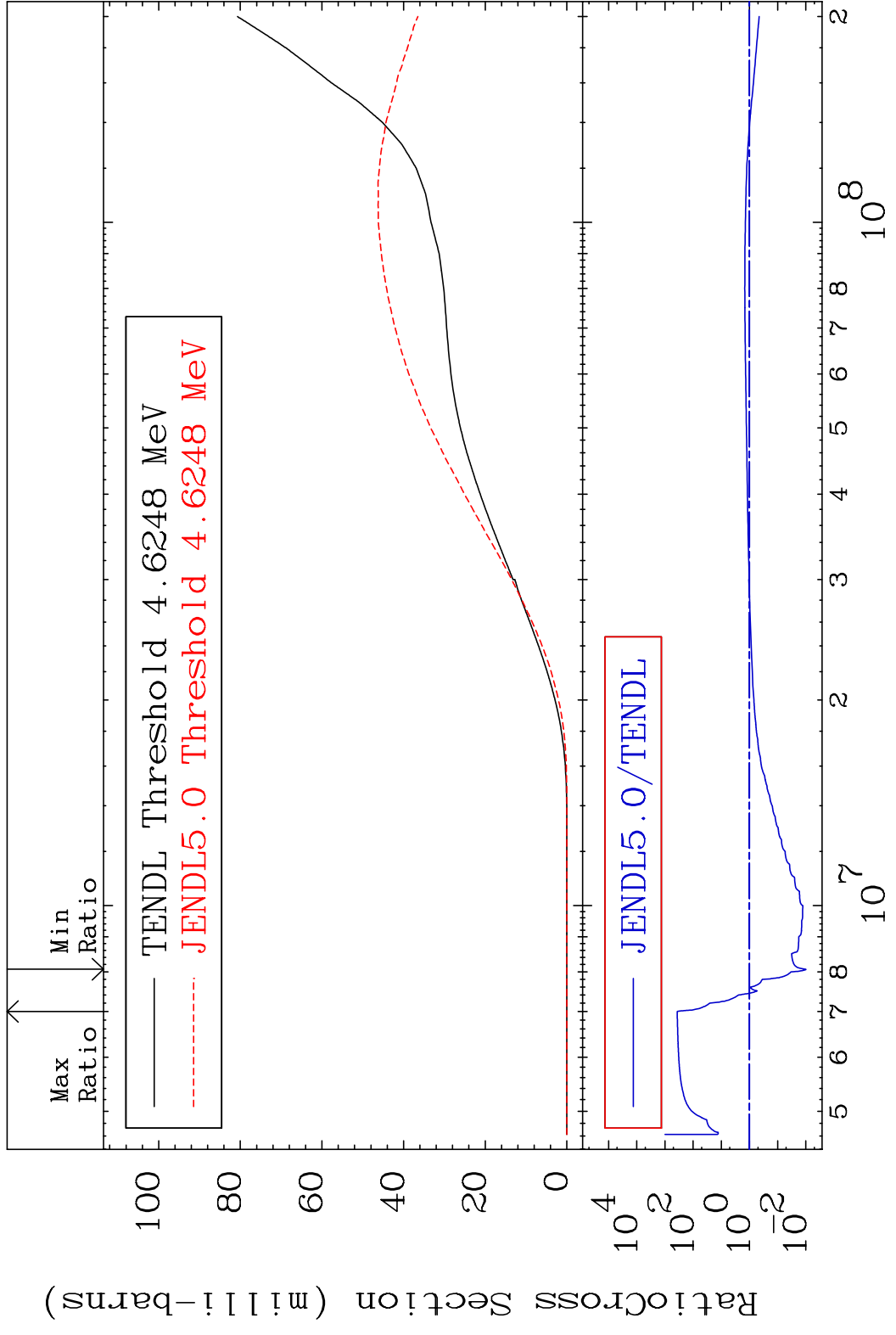


50

Incident Energy (eV)

77-Ir-191



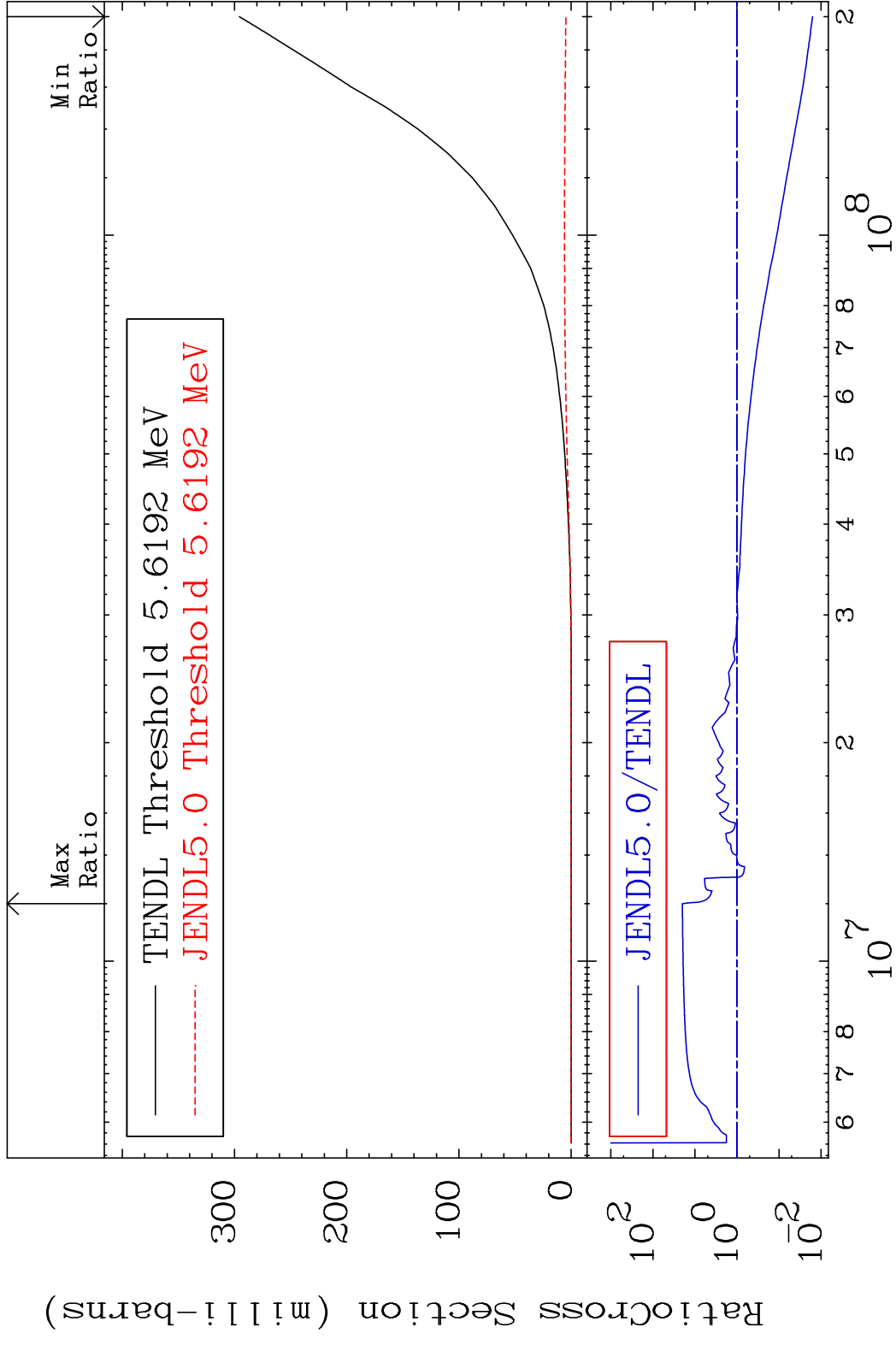


MAT 7725

He-3 Production

77-Ir-191

Cross Section -98.40 To 1895. %

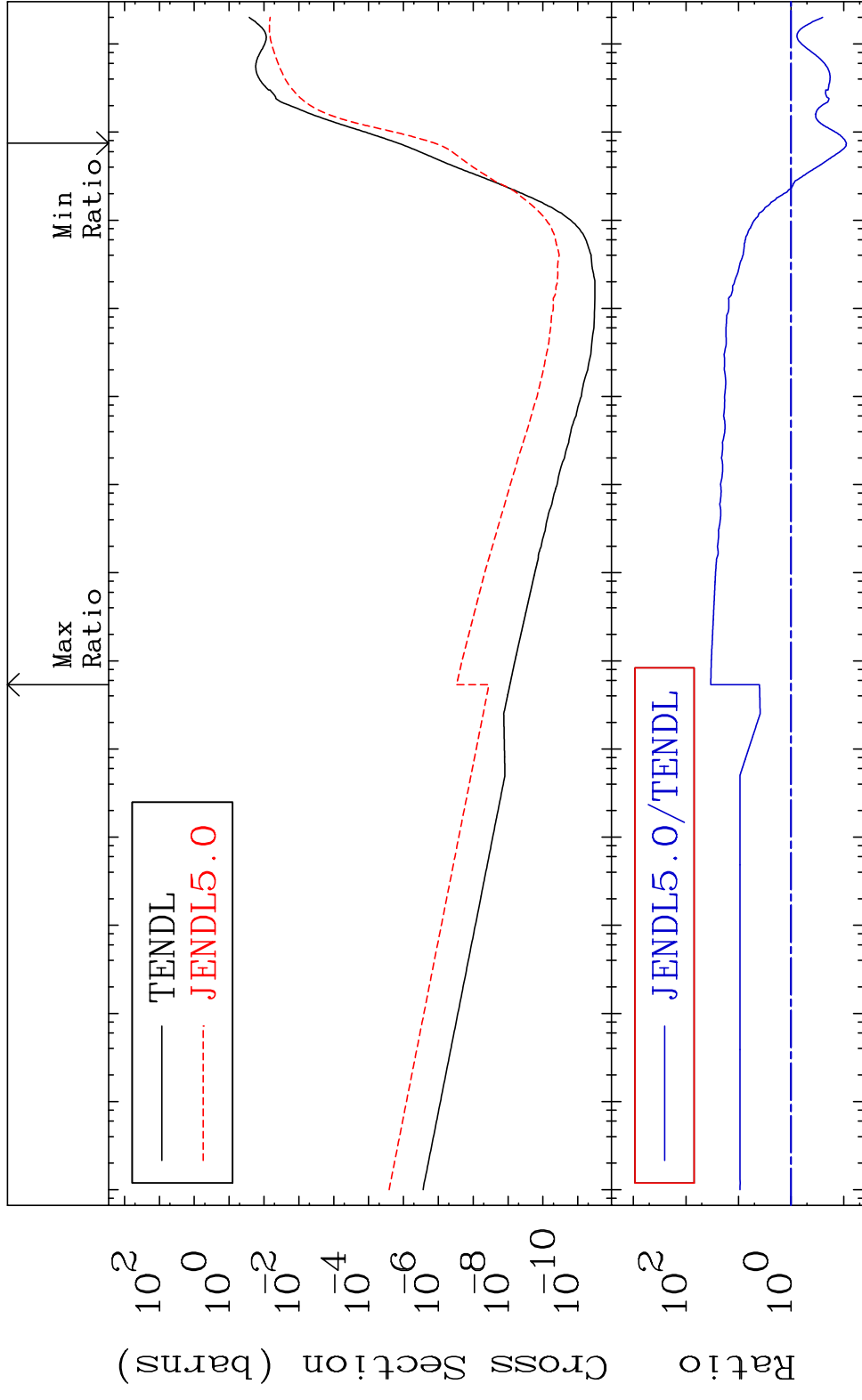


MAT 7725

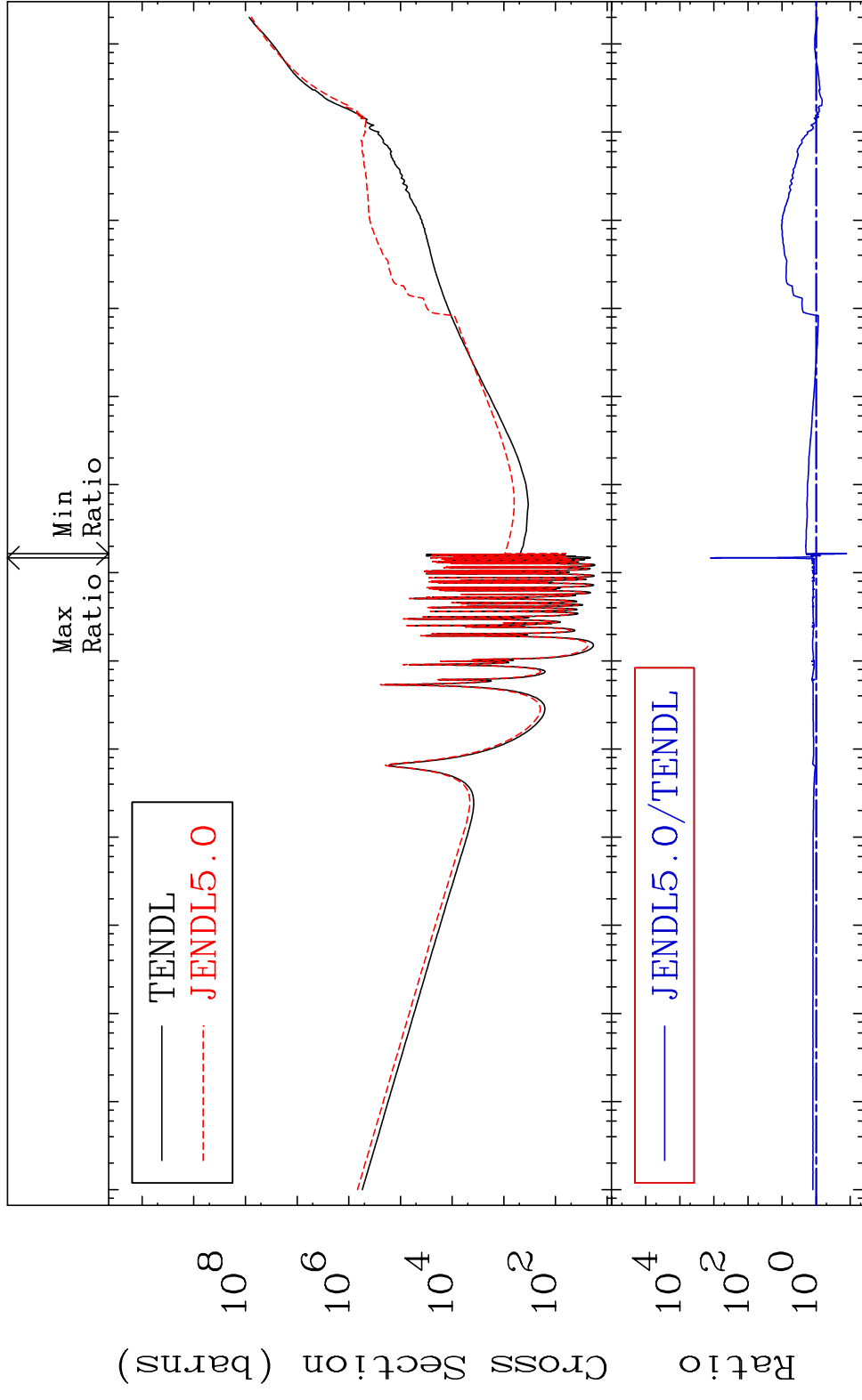
He-4 Production

77-Ir-191

Cross Section -91.07 To 3281. %



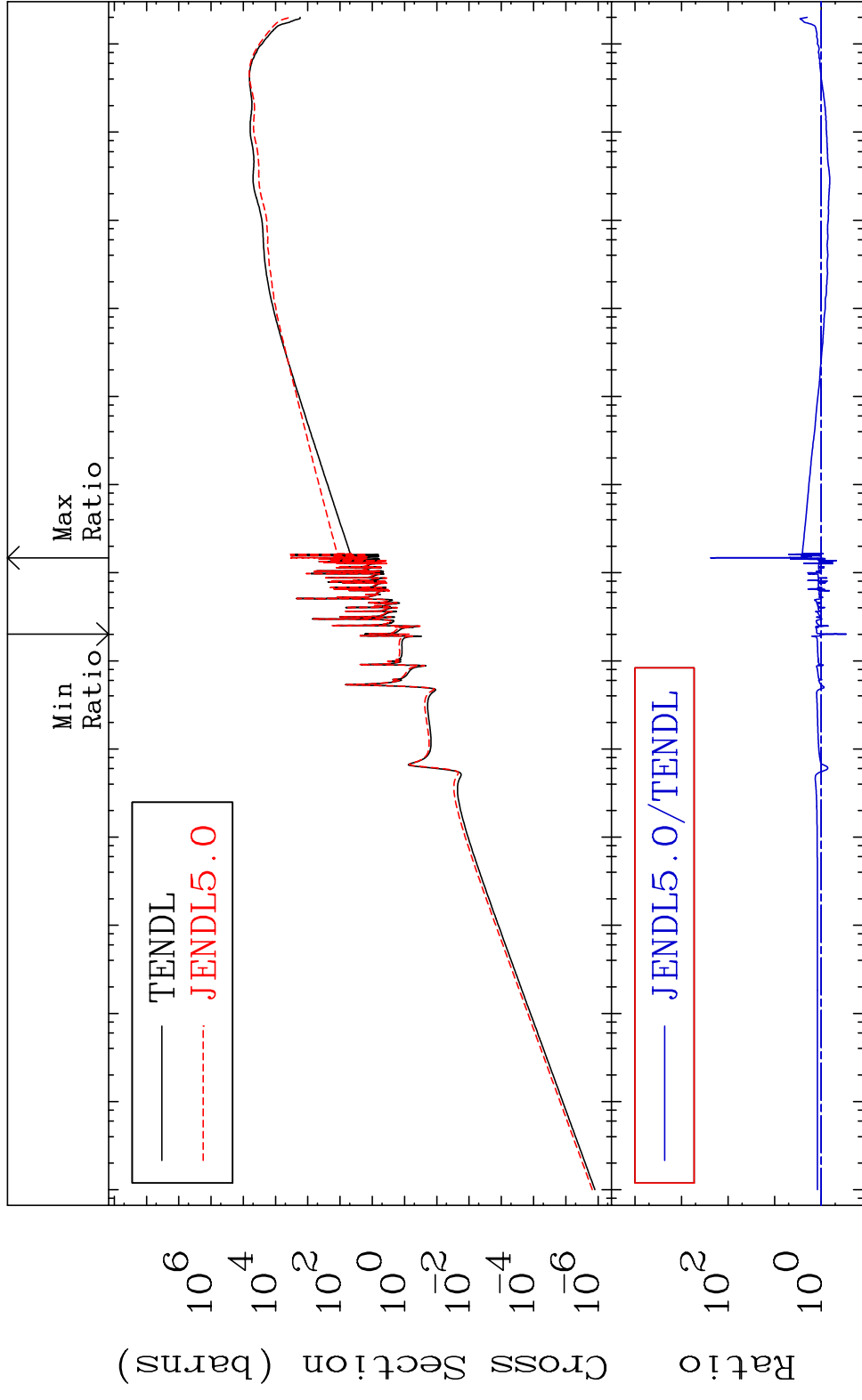
MAT 7725 Kerma total (eV-barns) 77-Ir-191  
 Cross Section -86.93 To 9999. %



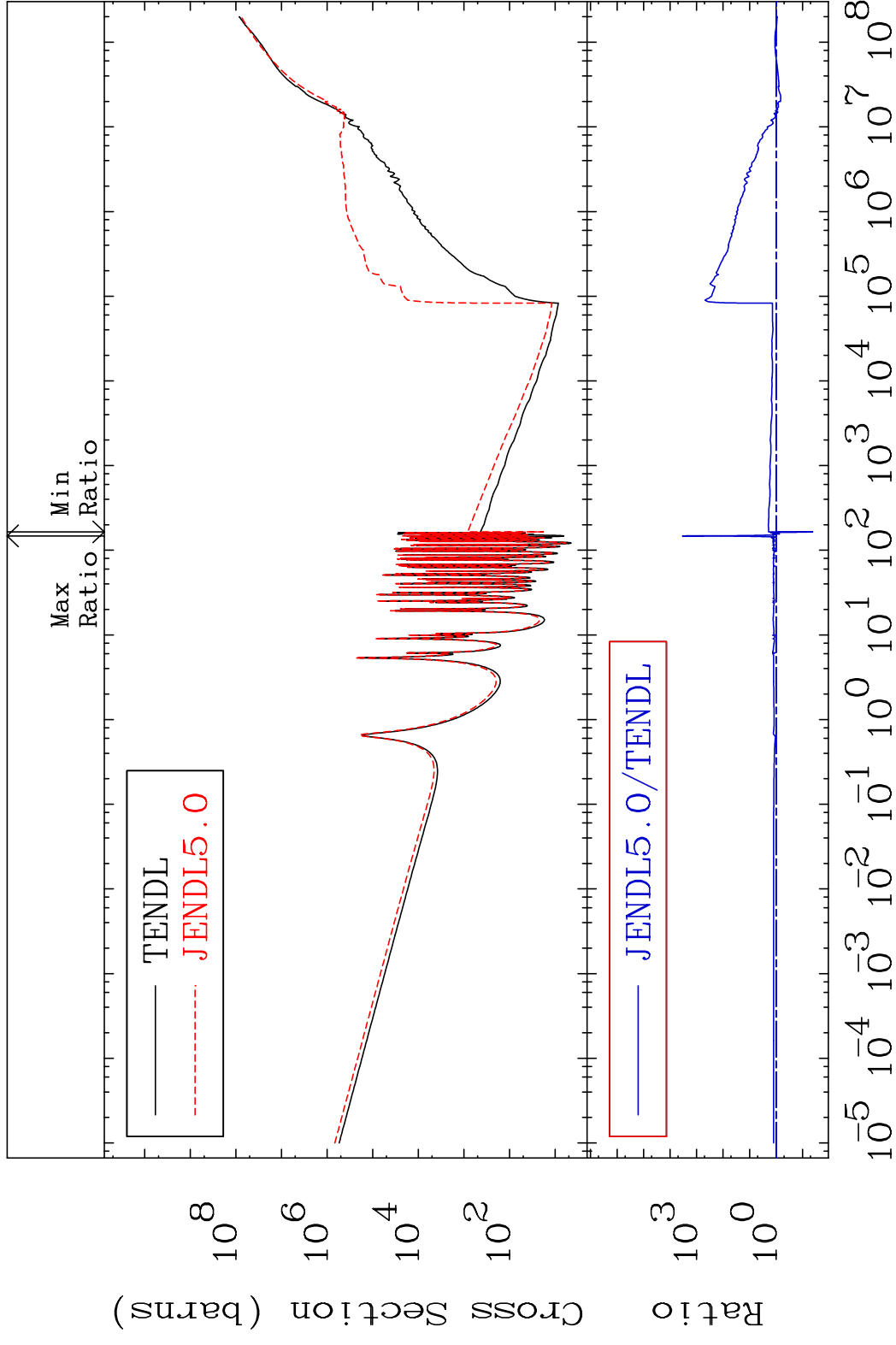


MAT 7725

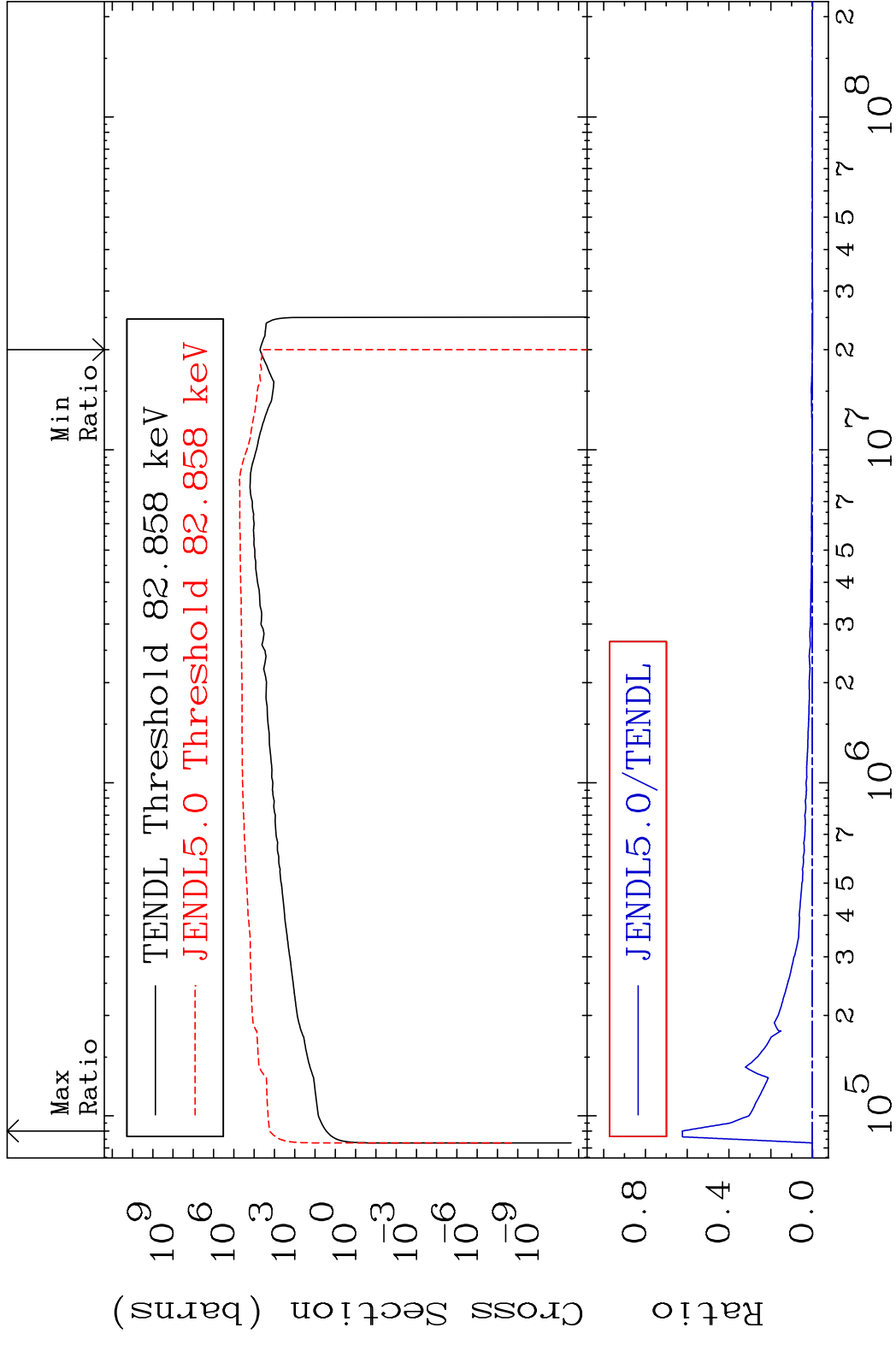
Kerma elastic Cross Section -71.10 To 9999. %  
77-Ir-191



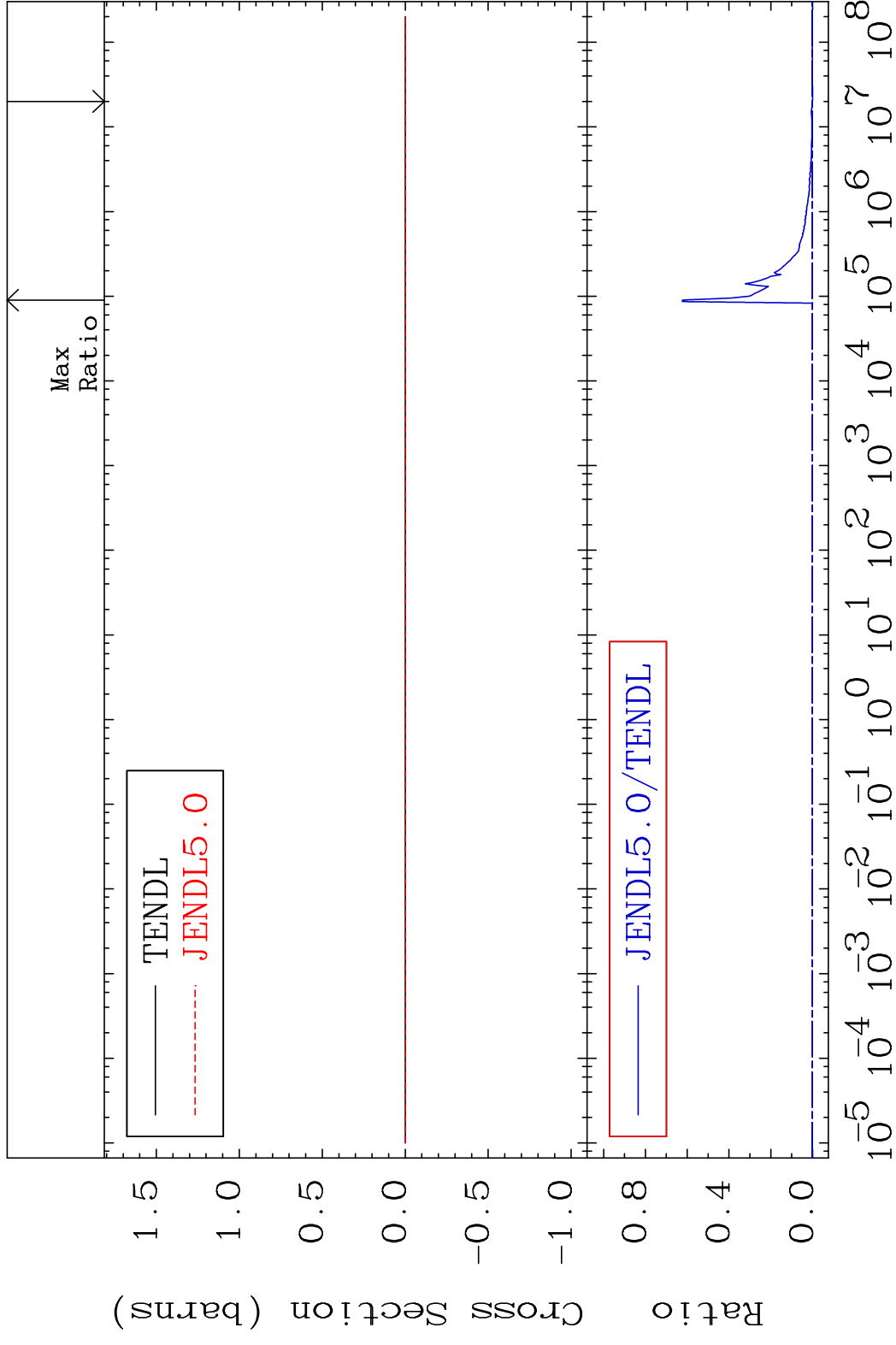
MAT 7725 Kerma non-elastic (all but mt2) 77-Ir-191  
 Cross Section -95.80 To 9999. %



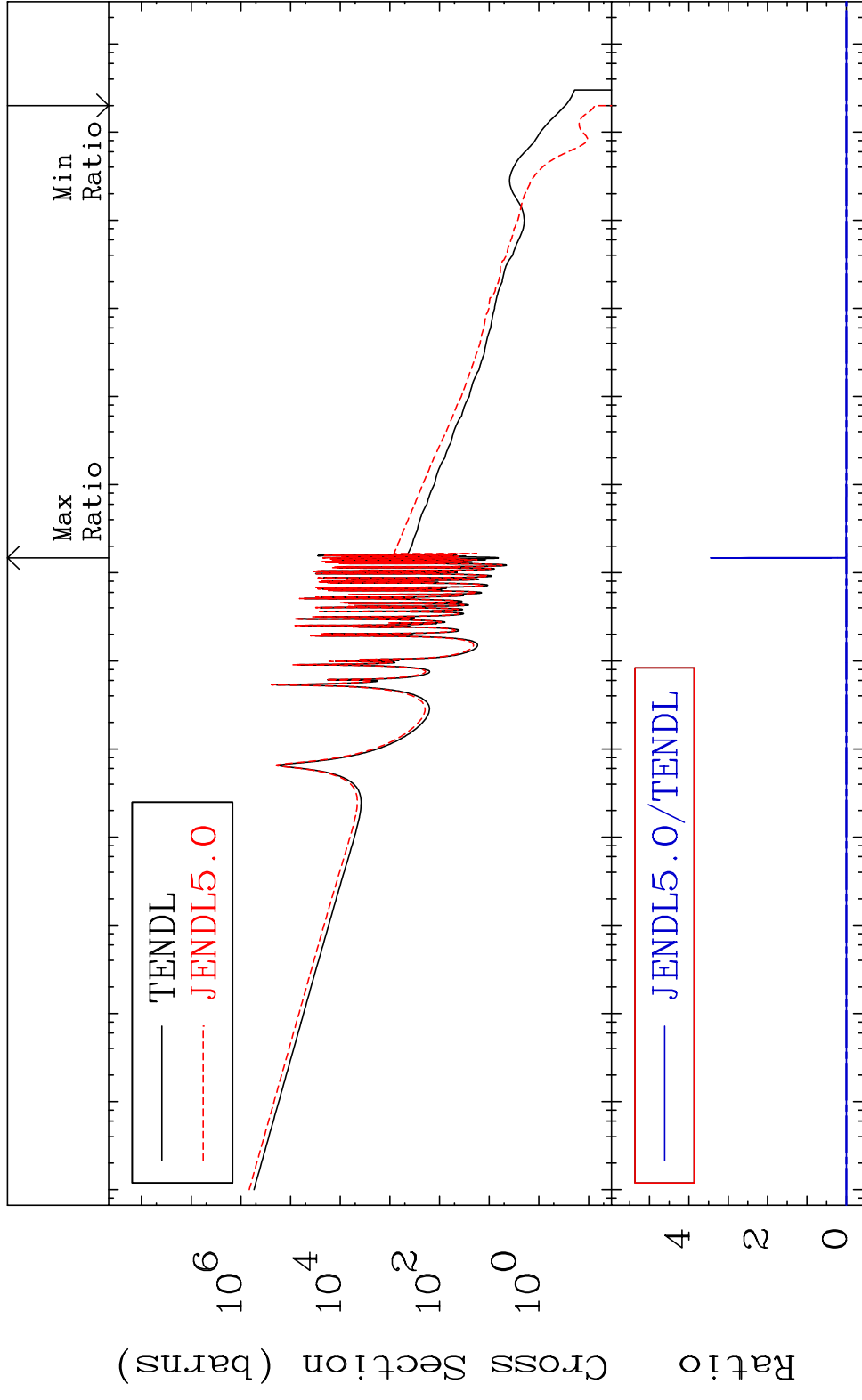
MAT 7725 Kerma inelastic (mt51-91) 77-Ir-191  
 Cross Section -100.0 To 9999. %



MAT 7725 Kerma fission (mt18 or mt19-20-21-38)77-Ir-191  
 Cross Section -100.0 To 9999. %



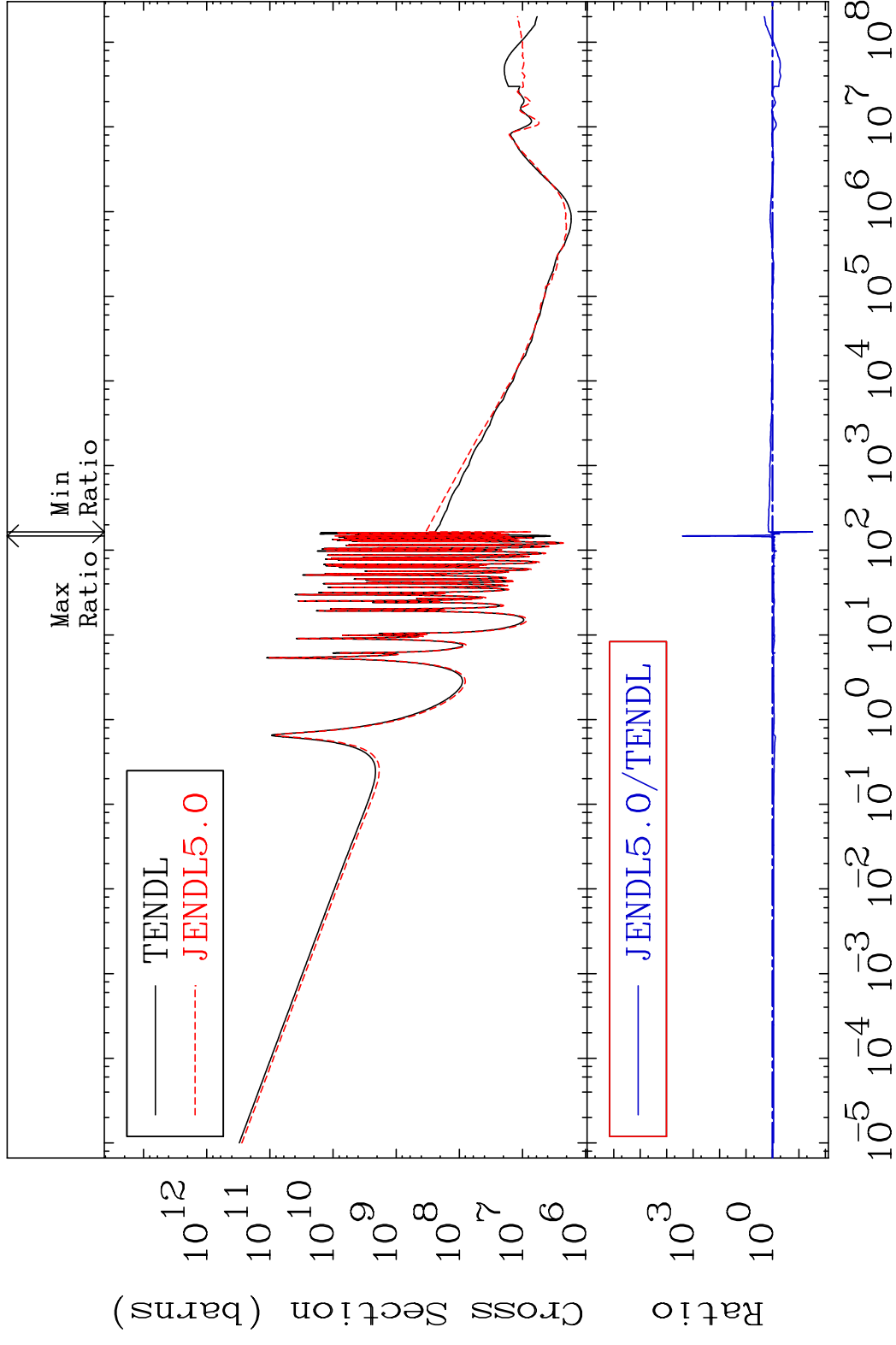
MAT 7725 Kerma capture (mt102) 77-Ir-191  
Cross Section -100.0 To 9999. %



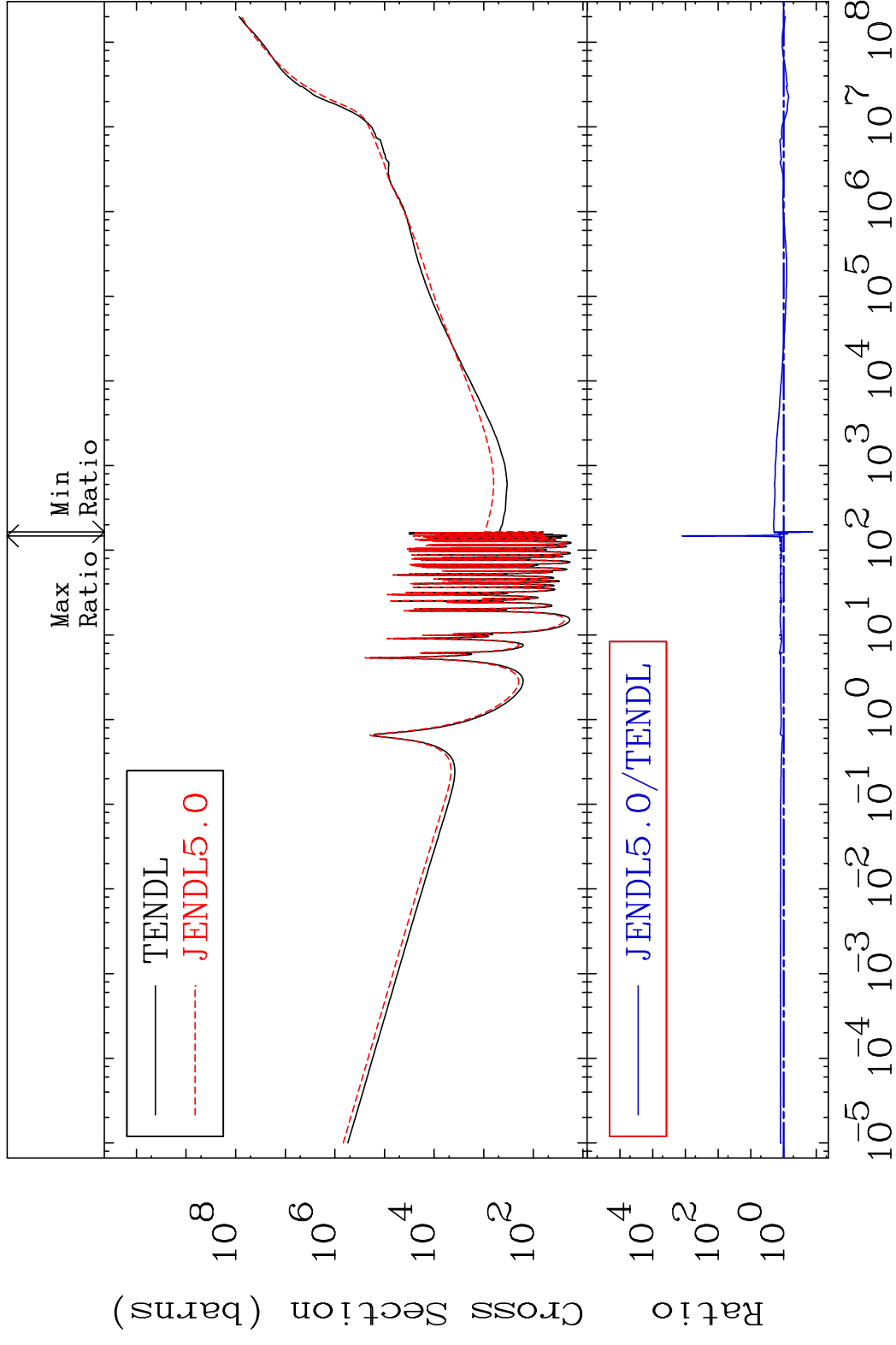
60 Incident Energy (eV) 77-Ir-191

MAT 7725

Total photon (eV-barns) 77-Ir-191  
Cross Section -96.95 To 9999. %



MAT 7725 Total kinematic kerma (high limit) 77-Ir-191  
 Cross Section -86.93 To 9999. %

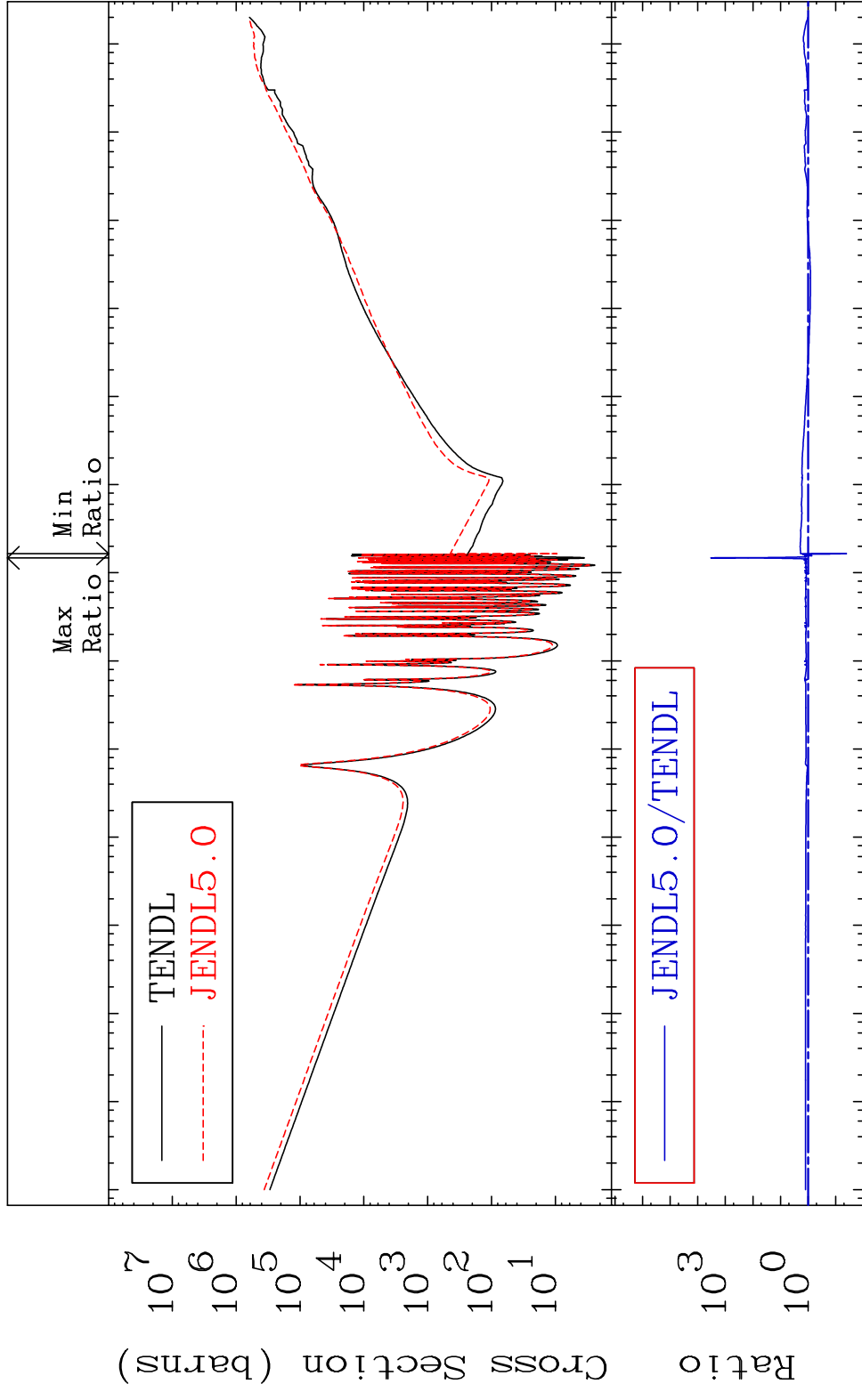


MAT 7725

Dpa total (eV-barns)

77-Ir-191

Cross Section -95.91 To 9999. %



63

Incident Energy (eV)

77-Ir-191

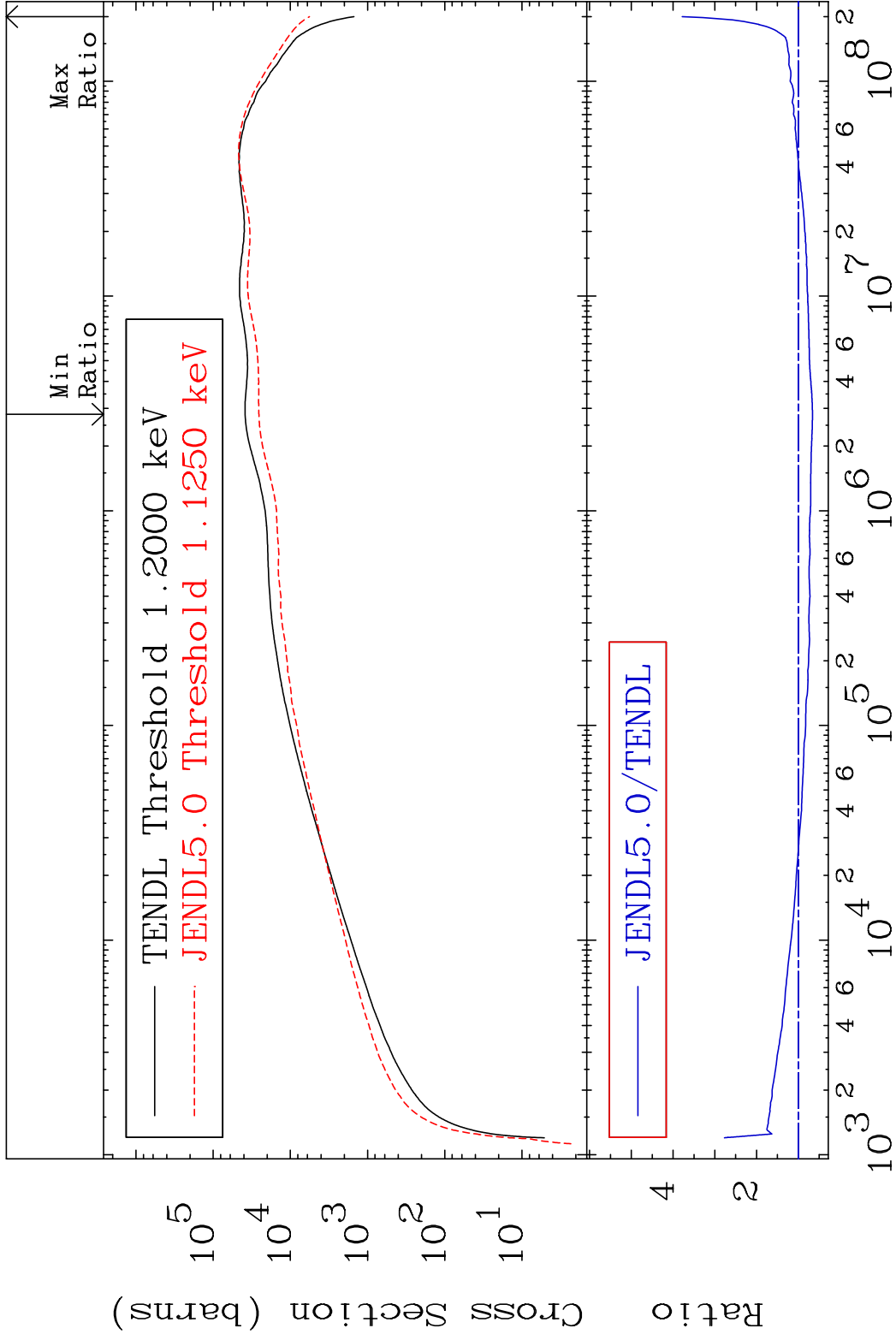


MAT 7725

Dpa elastic (mt2)

77-Ir-191

Cross Section -33.83 To 278.3 %

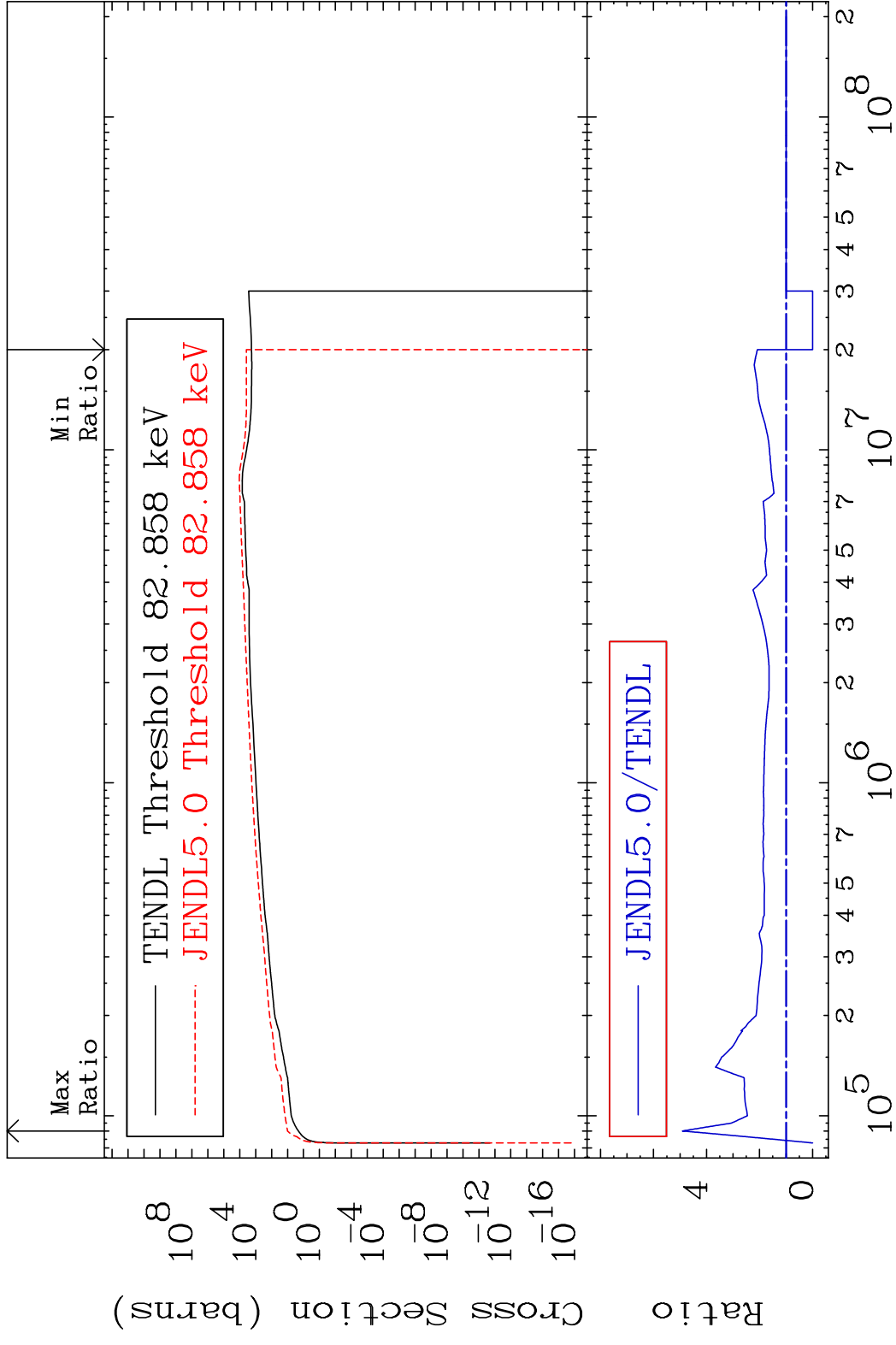


64

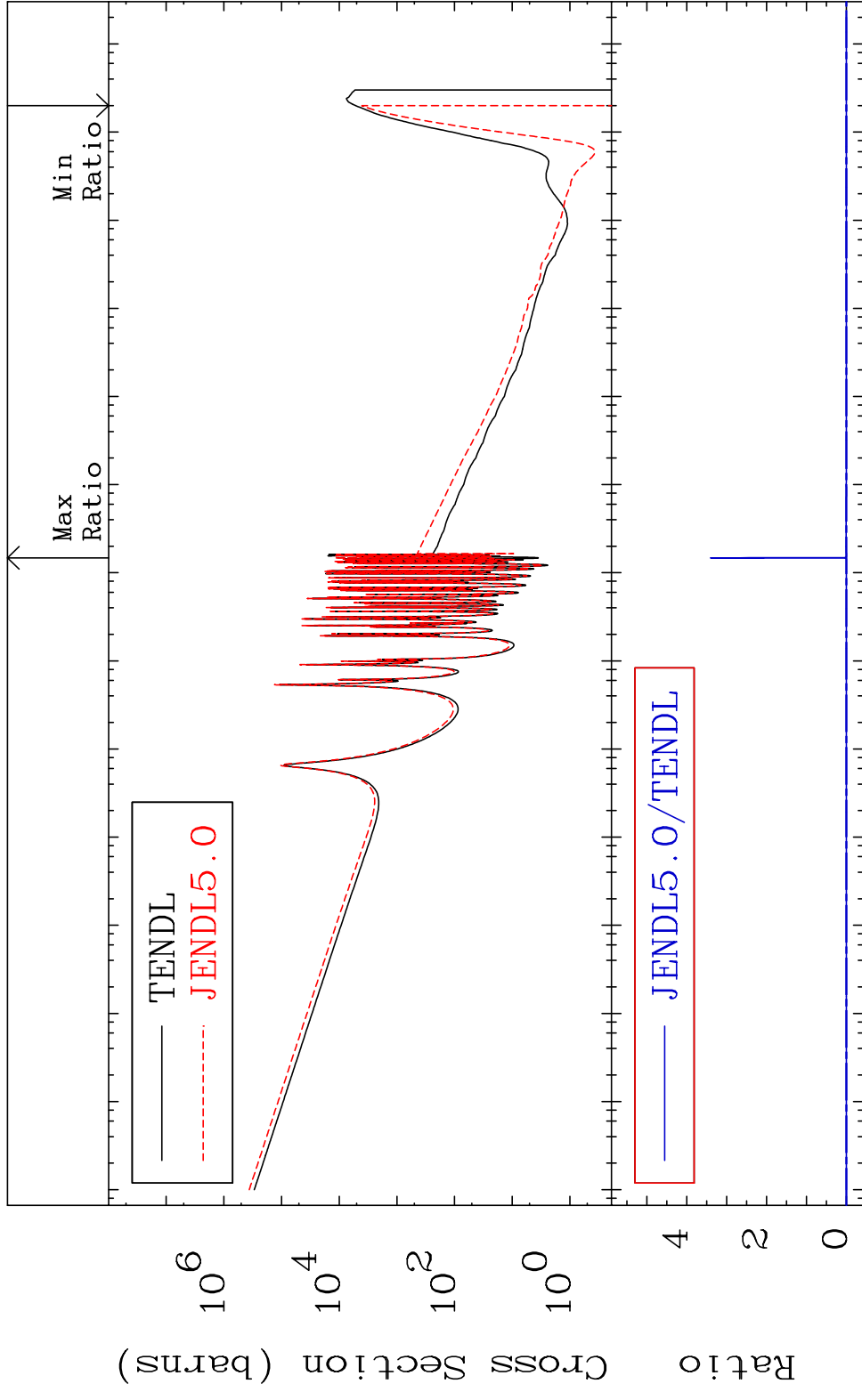
Incident Energy (eV)

77-Ir-191

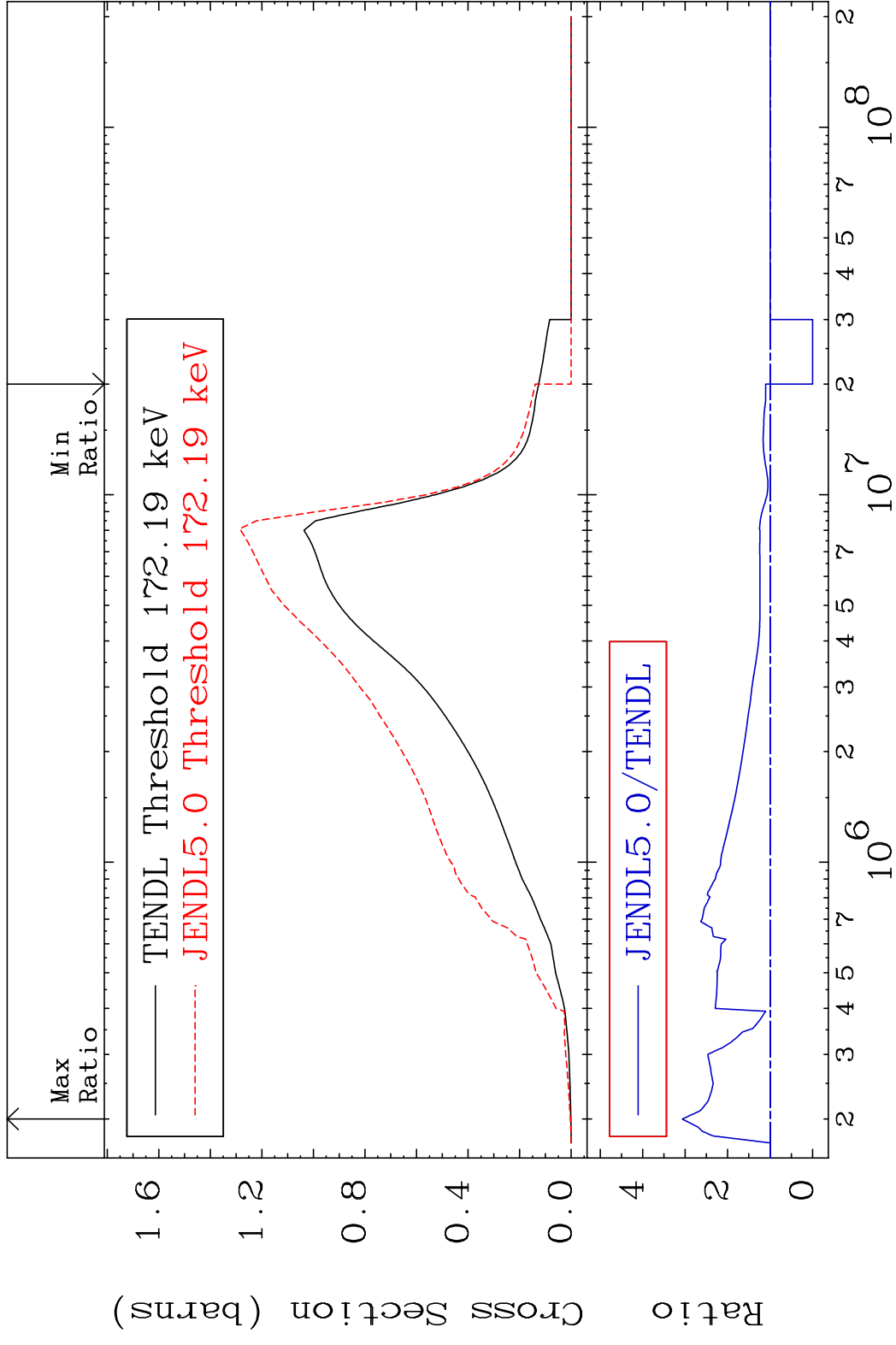
MAT 7725 Dpa inelastic (mt51-91) 77-Ir-191  
 Cross Section -100.0 To 391.2 %



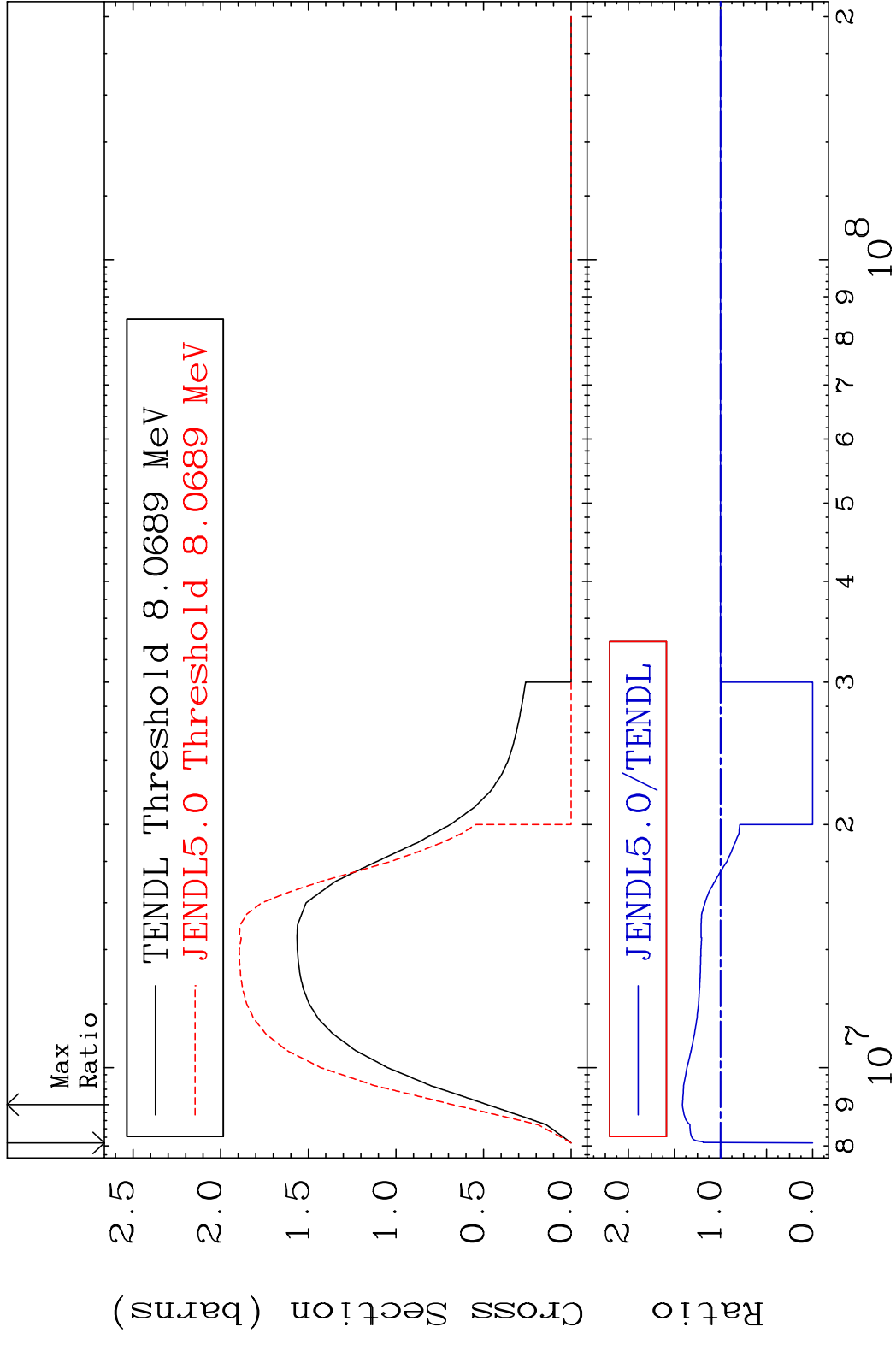
MAT 7725 Dpa disappearance (mt102 -120) 77-Ir-191  
 Cross Section -100.0 To 9999. %



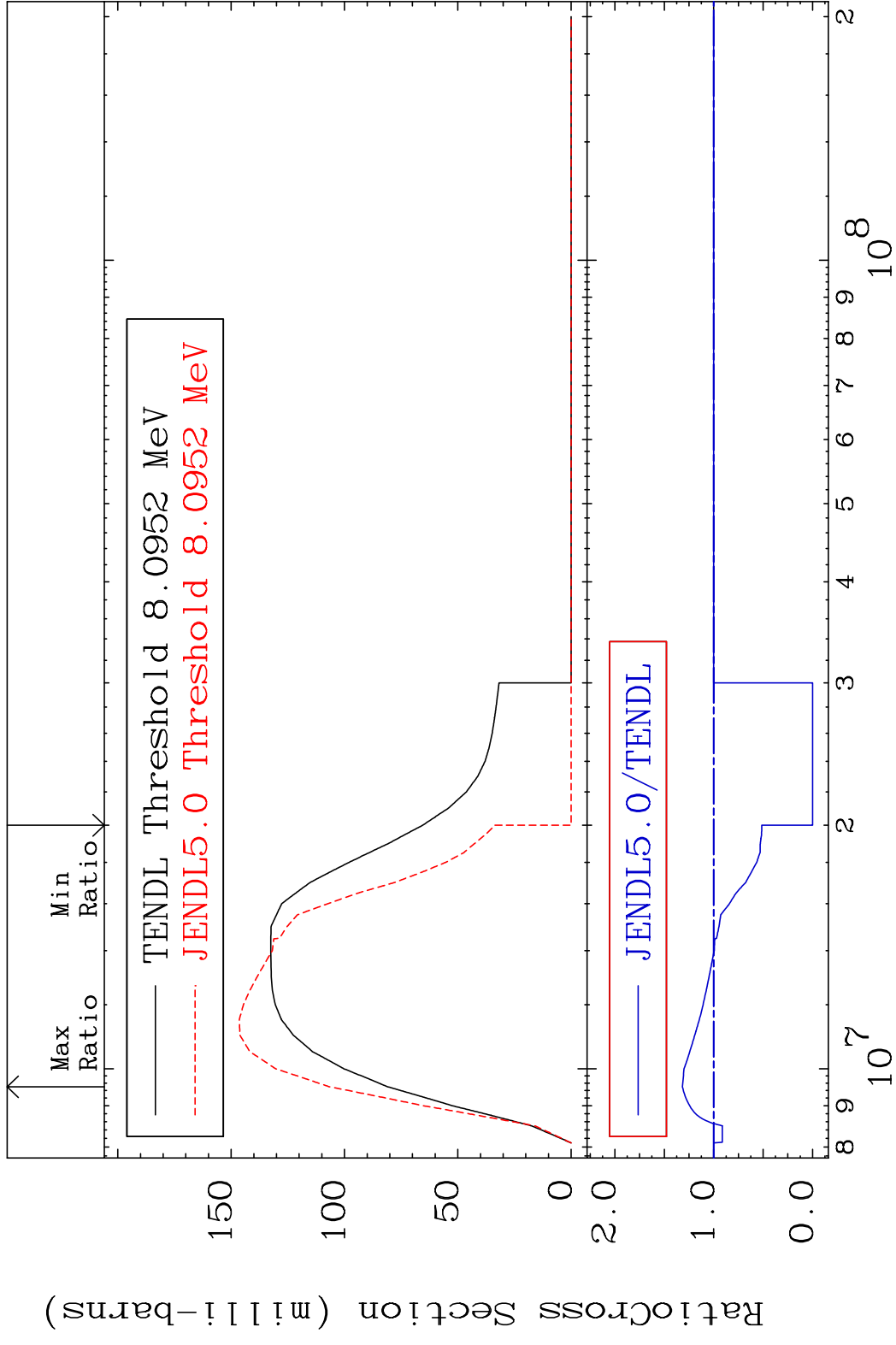
MAT 7725 Inelastic: 77-Ir-191m3 77-Ir-191  
 Radionuclide Production Cross Section 180.0 dth 206.5 %



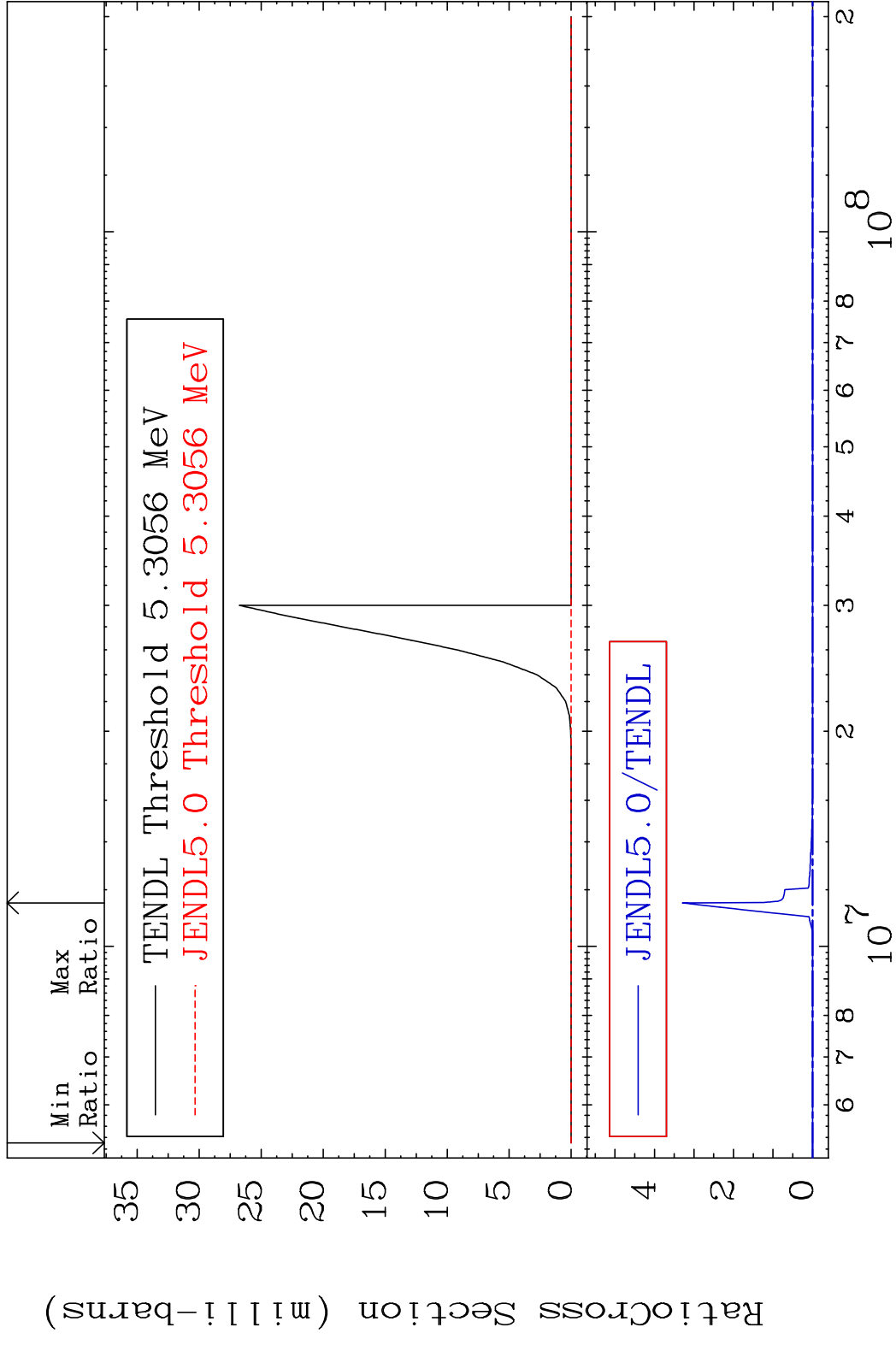
MAT 7725 (n,2n):77-Ir-190g 77-Ir-191  
 Radionuclide Production Cross Section 180.01 dpo 41.30 %



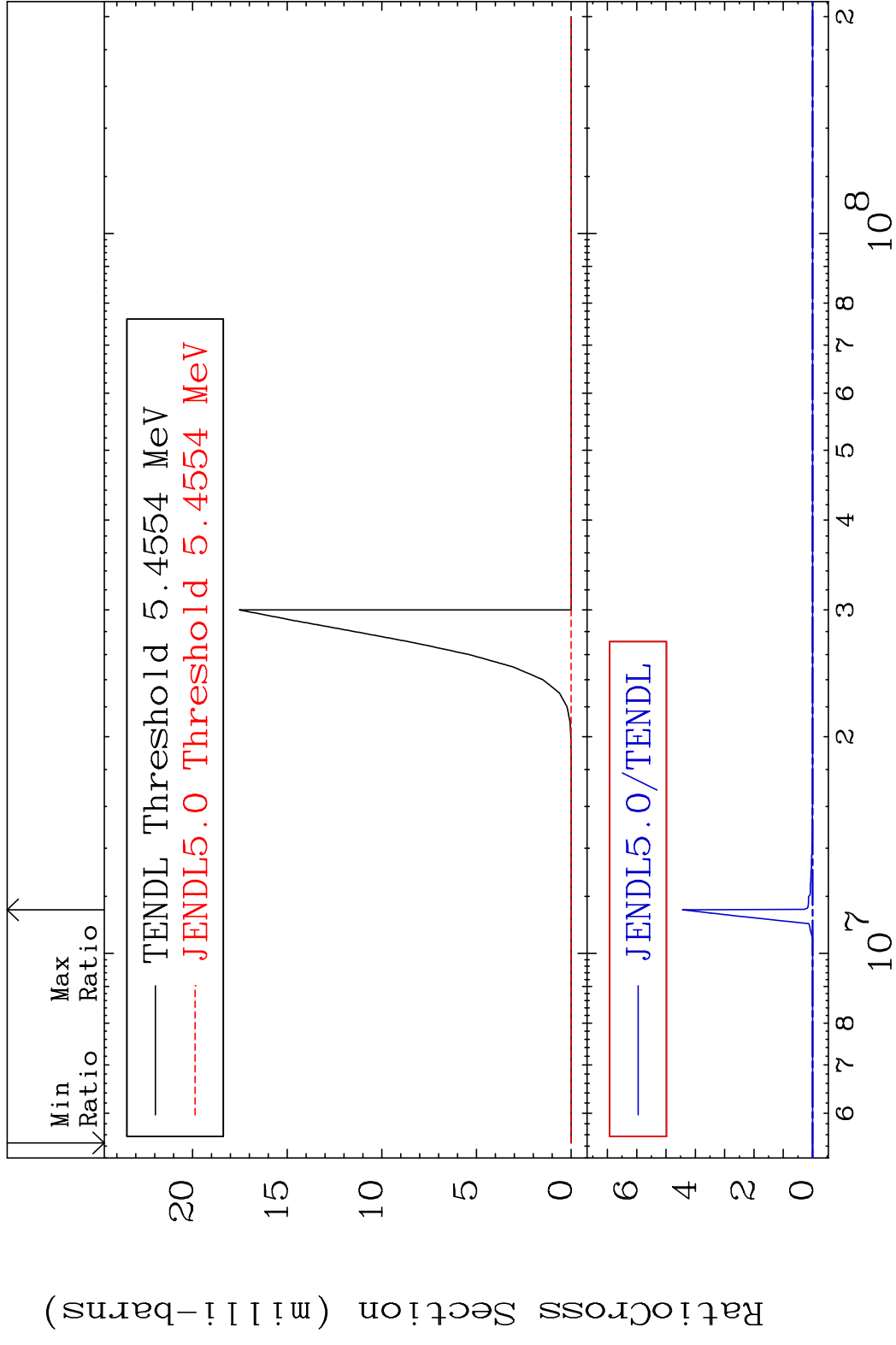
MAT 7725 (n,2n):77-Ir-190m2 77-Ir-191  
 Radionuclide Production Cross Section 180.0 mb 31.73 %



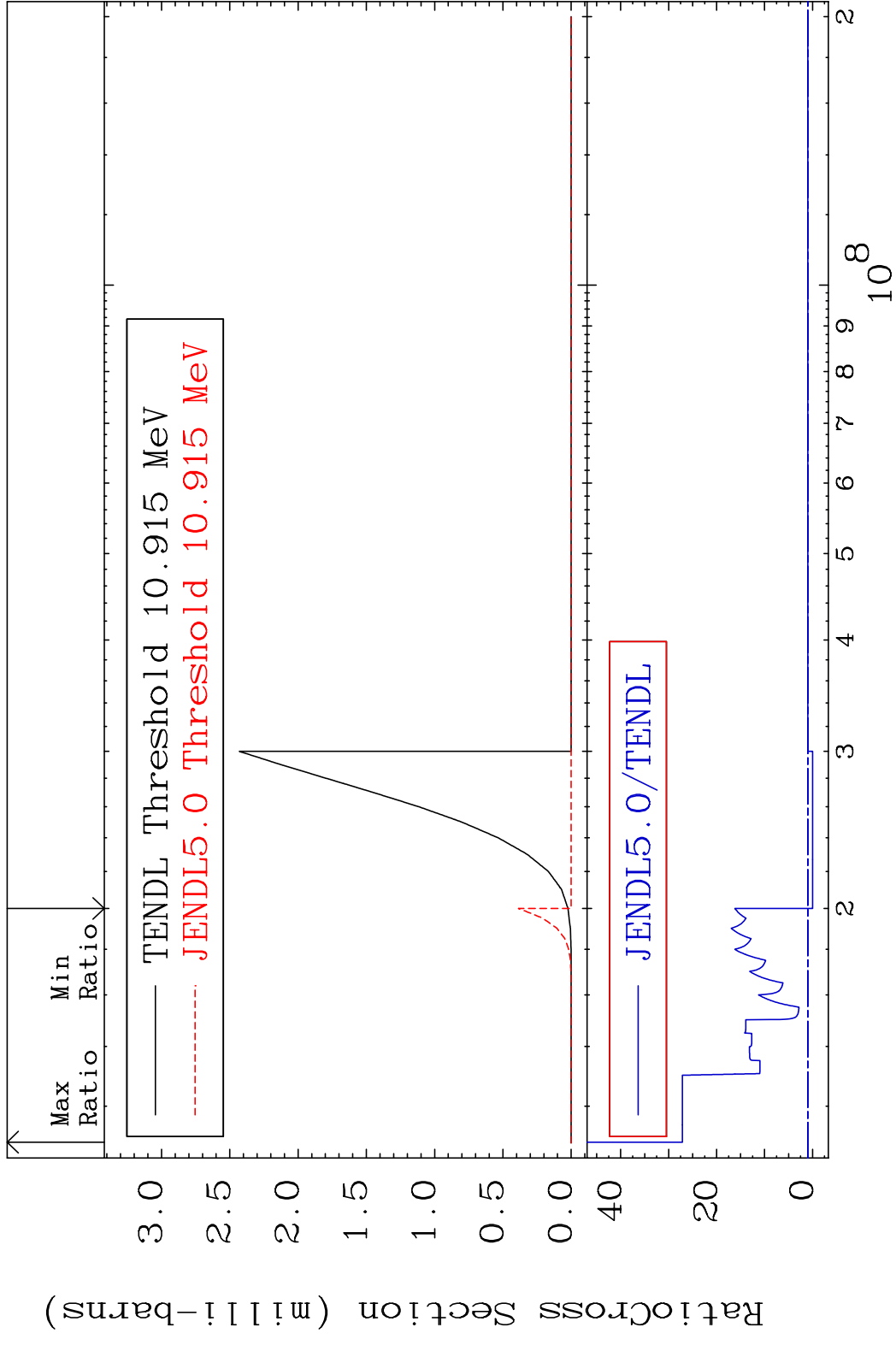
MAT 7725 (n,2n)  $\alpha$ :75-Re-186g 77-Ir-191  
 Radionuclide Production Cross Section Ratio 9999. %



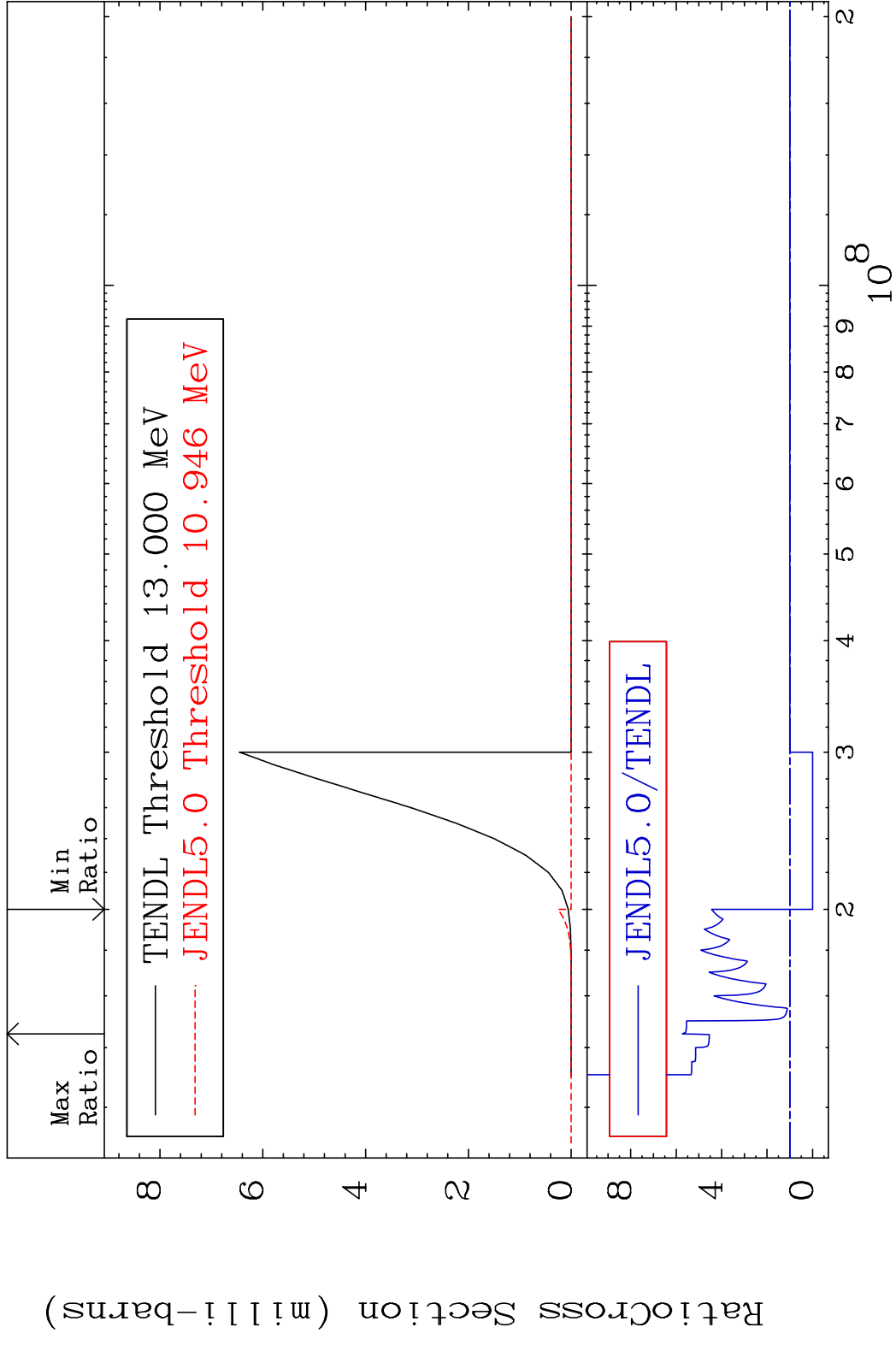
70 Incident Energy (eV) 77-Ir-191

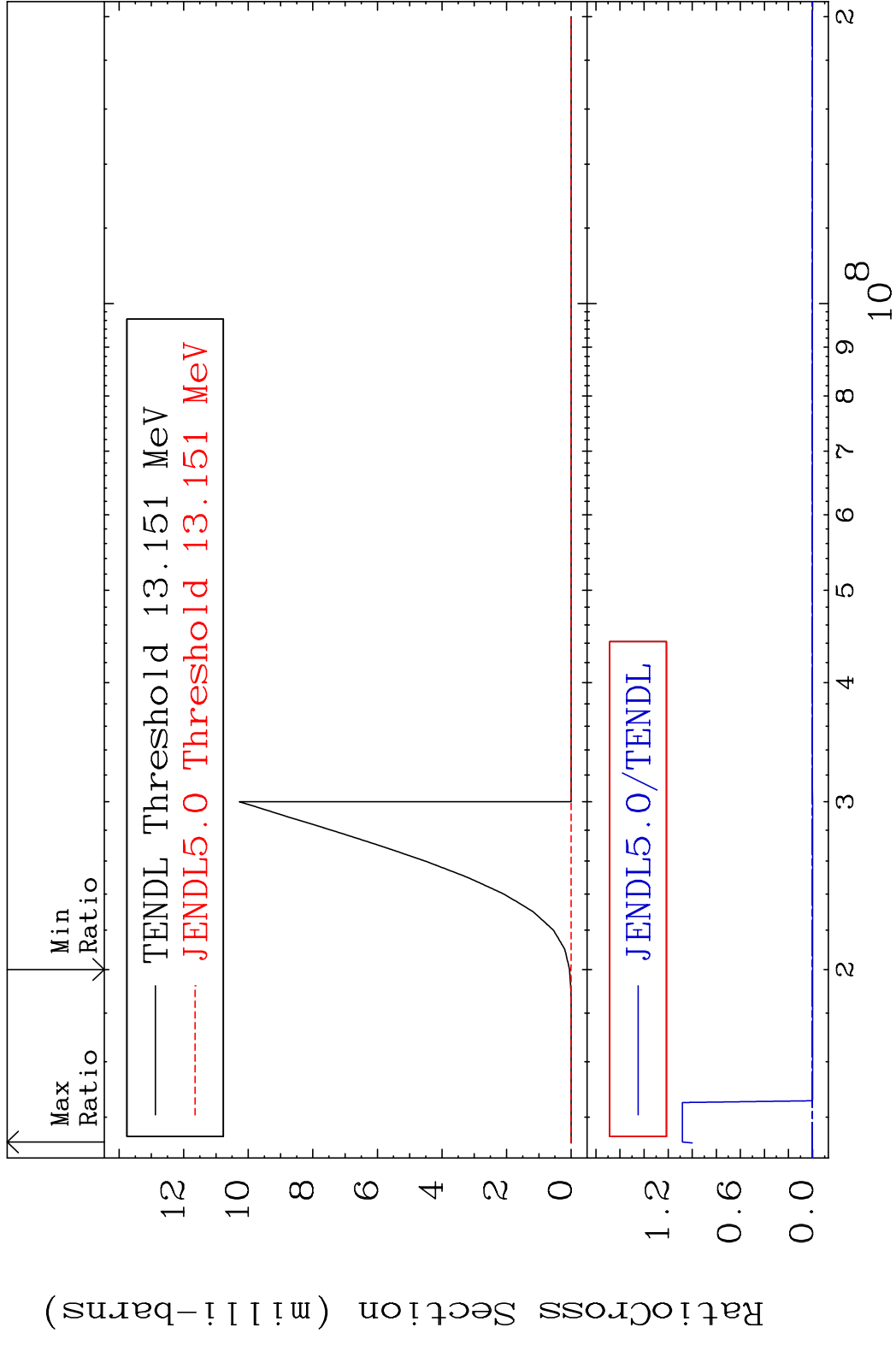


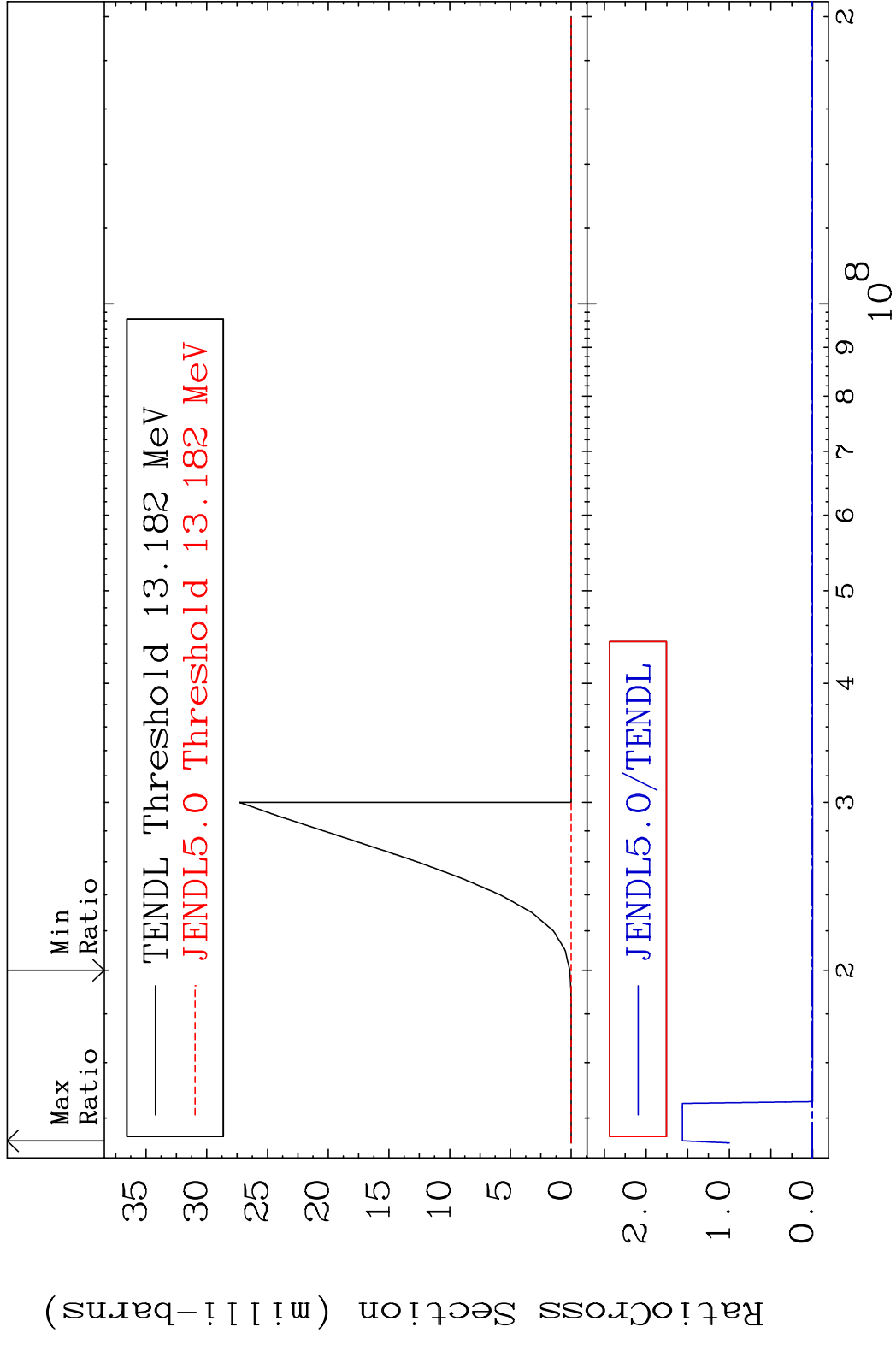


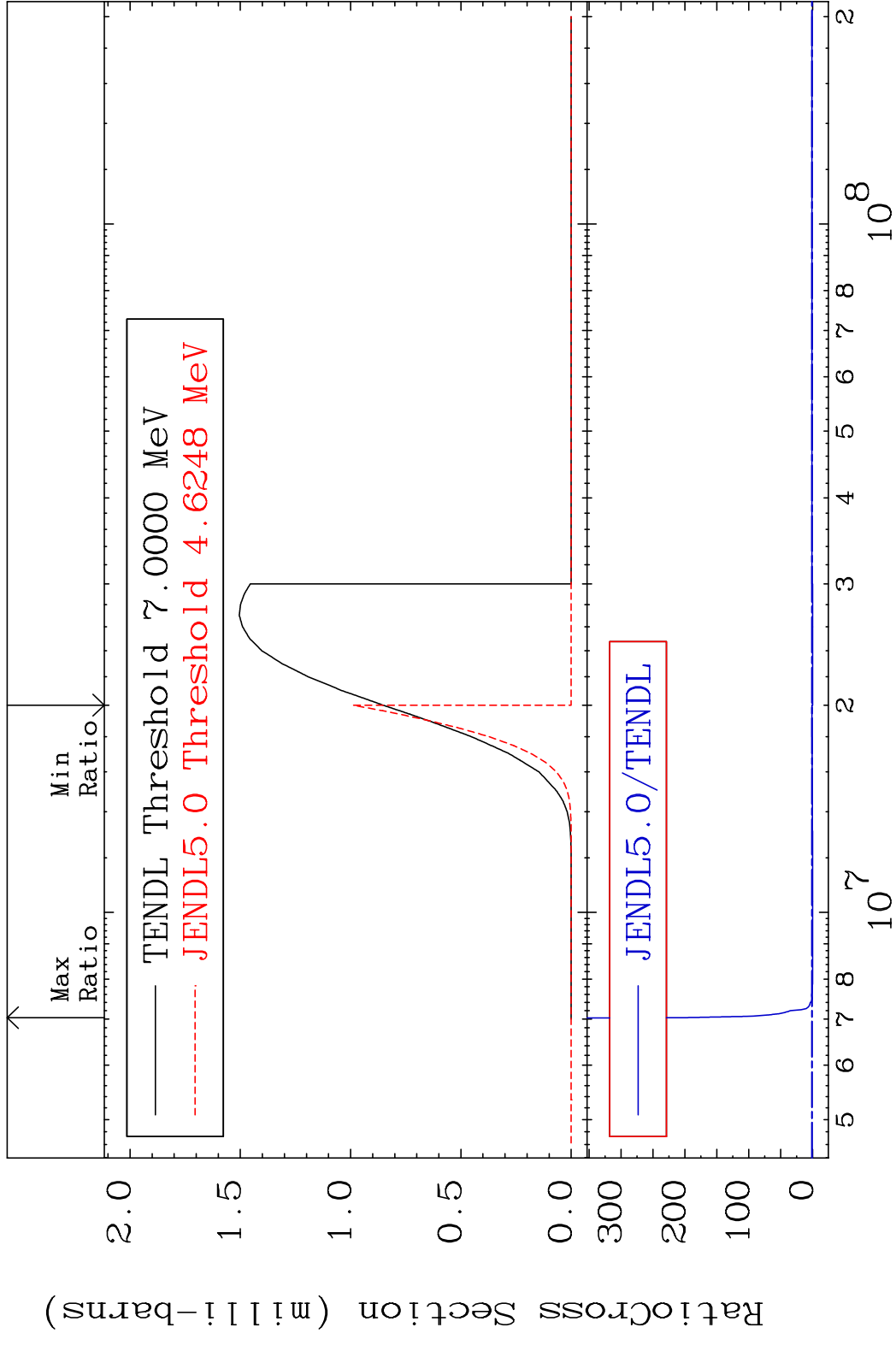


MAT 7725 (n, n') d:76-0s-189m1 77-Ir-191  
 Radionuclide Production Cross Section 472.8 %









MAT 7725 (n, t): 76-Os-189m1 77-Ir-191  
 Radionuclide Production Cross Section 189Os to 9380. %

