

Program Complot  
(Version 2021-1)

by

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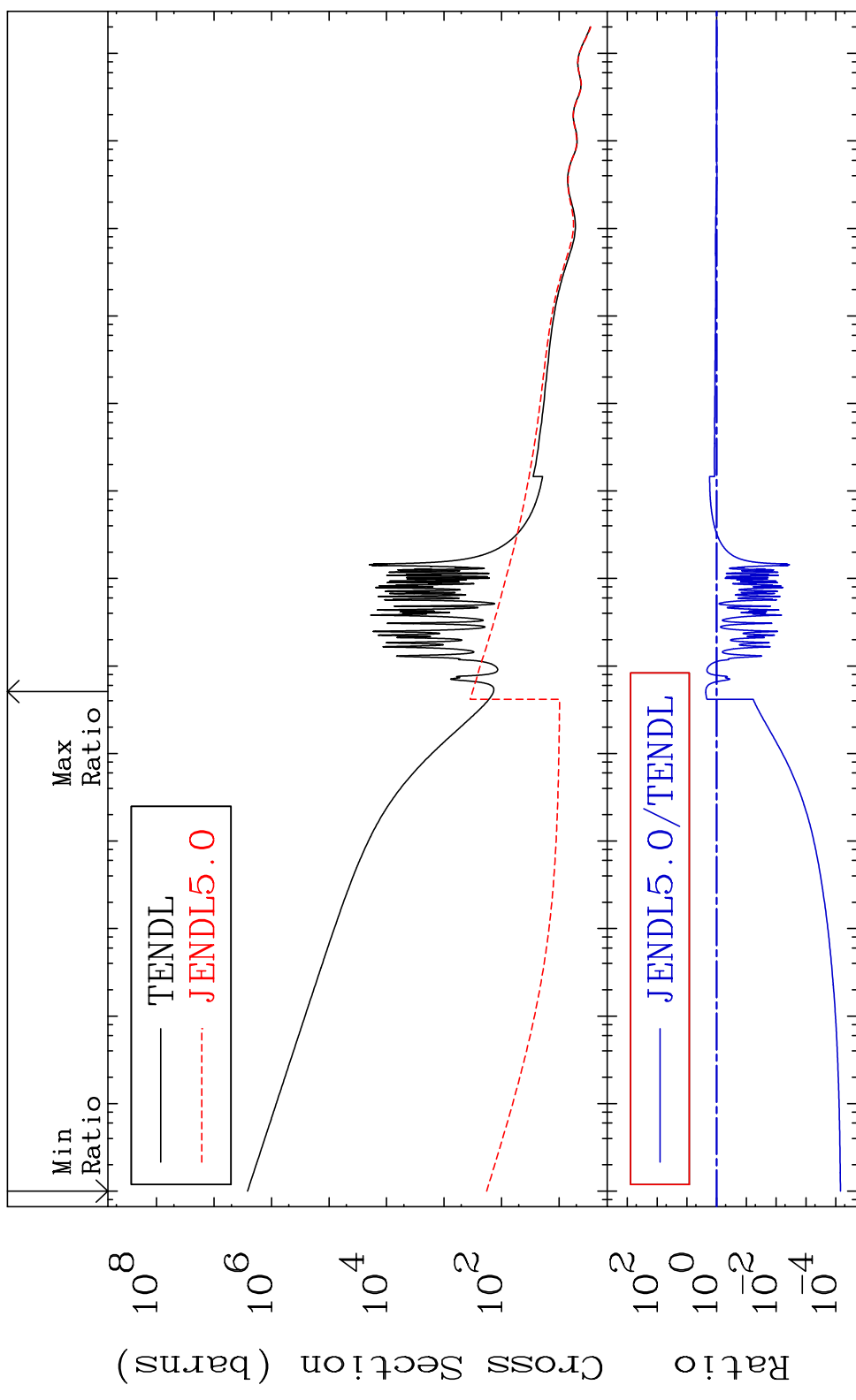
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E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7735

Total  
Cross Section -99.99 To 132.1 %



10<sup>8</sup>  
10<sup>6</sup>  
10<sup>4</sup>  
10<sup>2</sup>  
10<sup>0</sup>  
10<sup>-2</sup>  
10<sup>-4</sup>  
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>

1 Incident Energy (eV) 77-Ir-194m

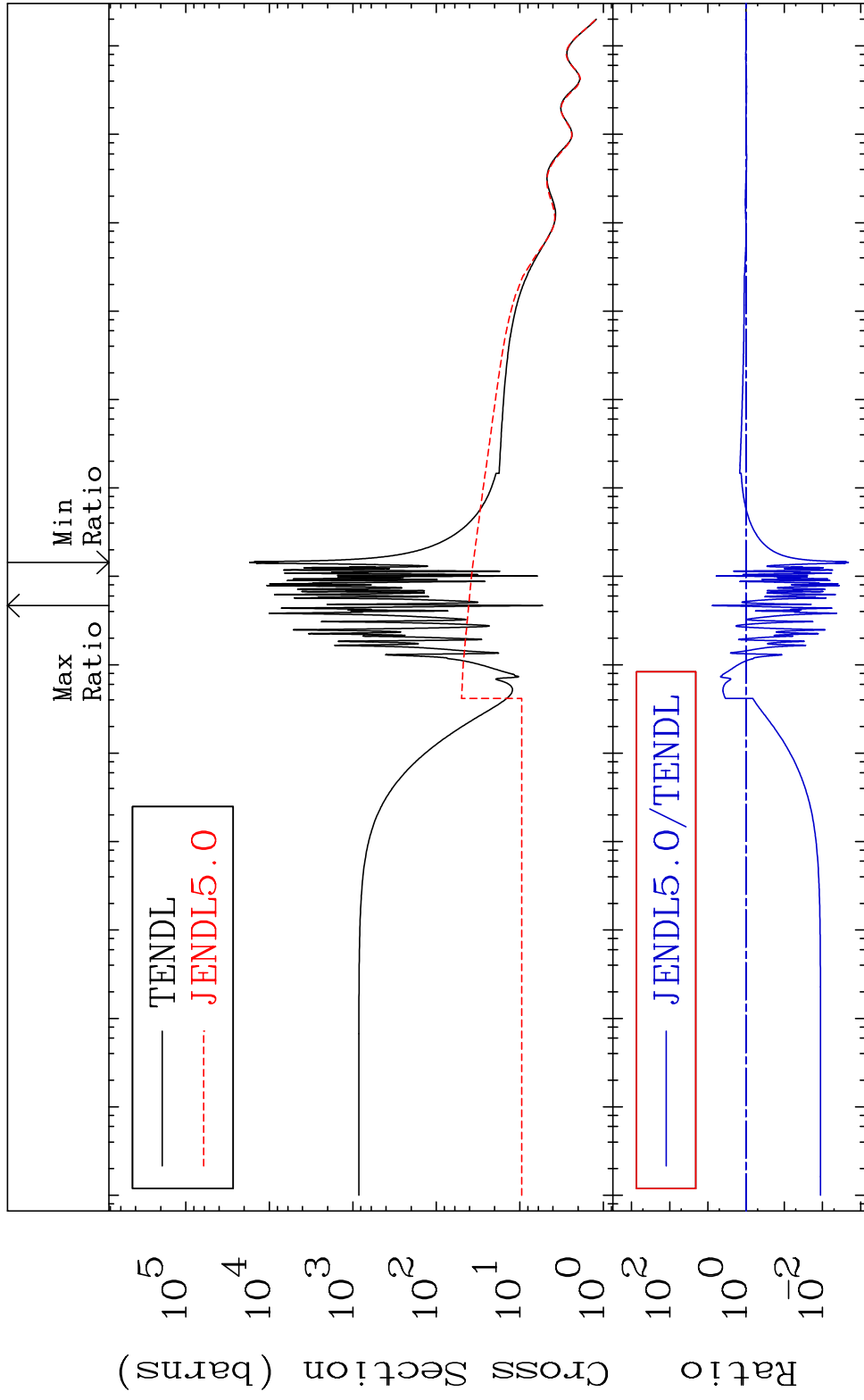
MAT 7735

Elastic

77-Ir-194m

Cross Section

-99.79 To 663.0 %



2

Incident Energy (eV)

77-Ir-194m

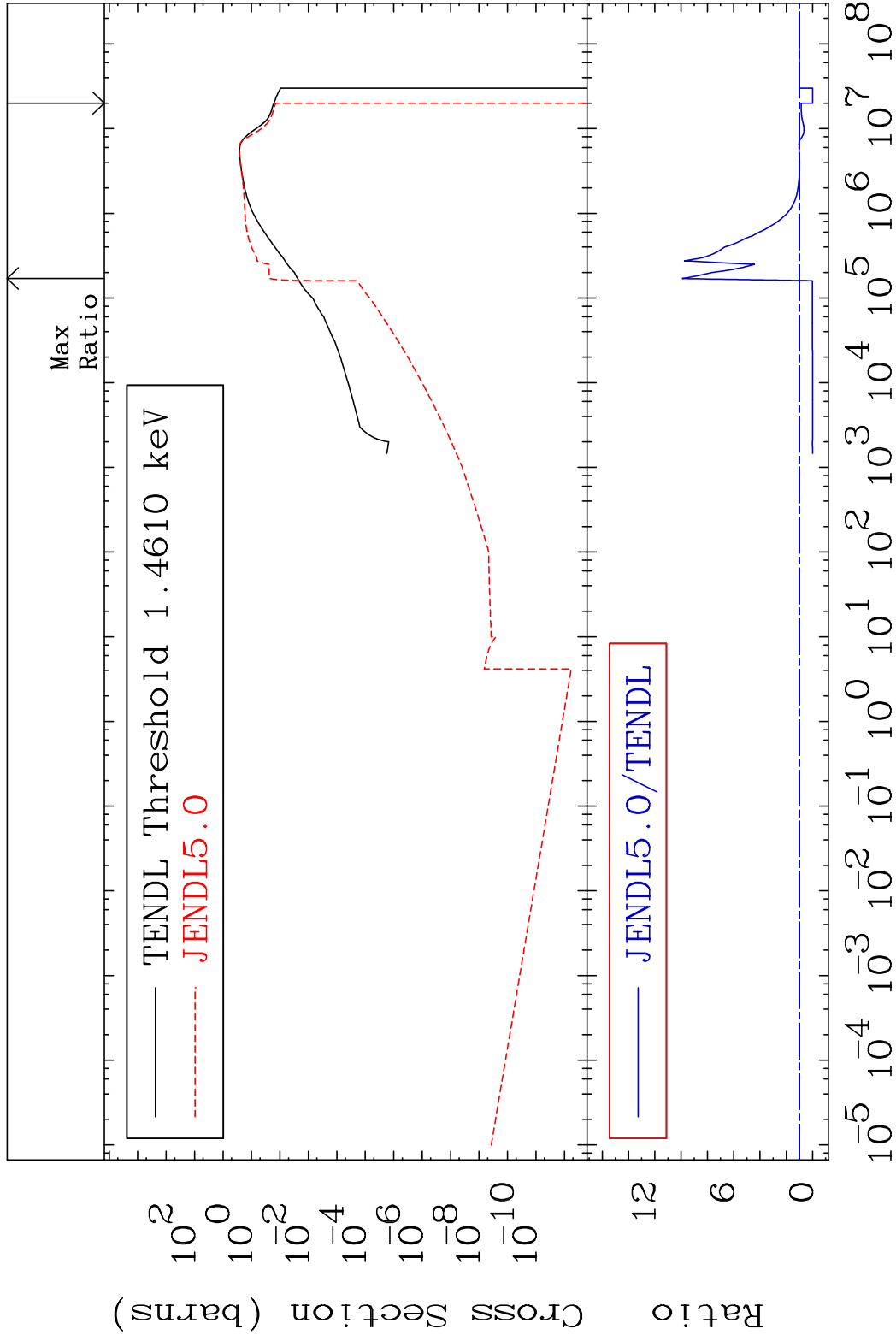
MAT 7735

Inelastic

77-Ir-194m

Cross Section

-100.0 To 890.5 %



3

Incident Energy (eV)

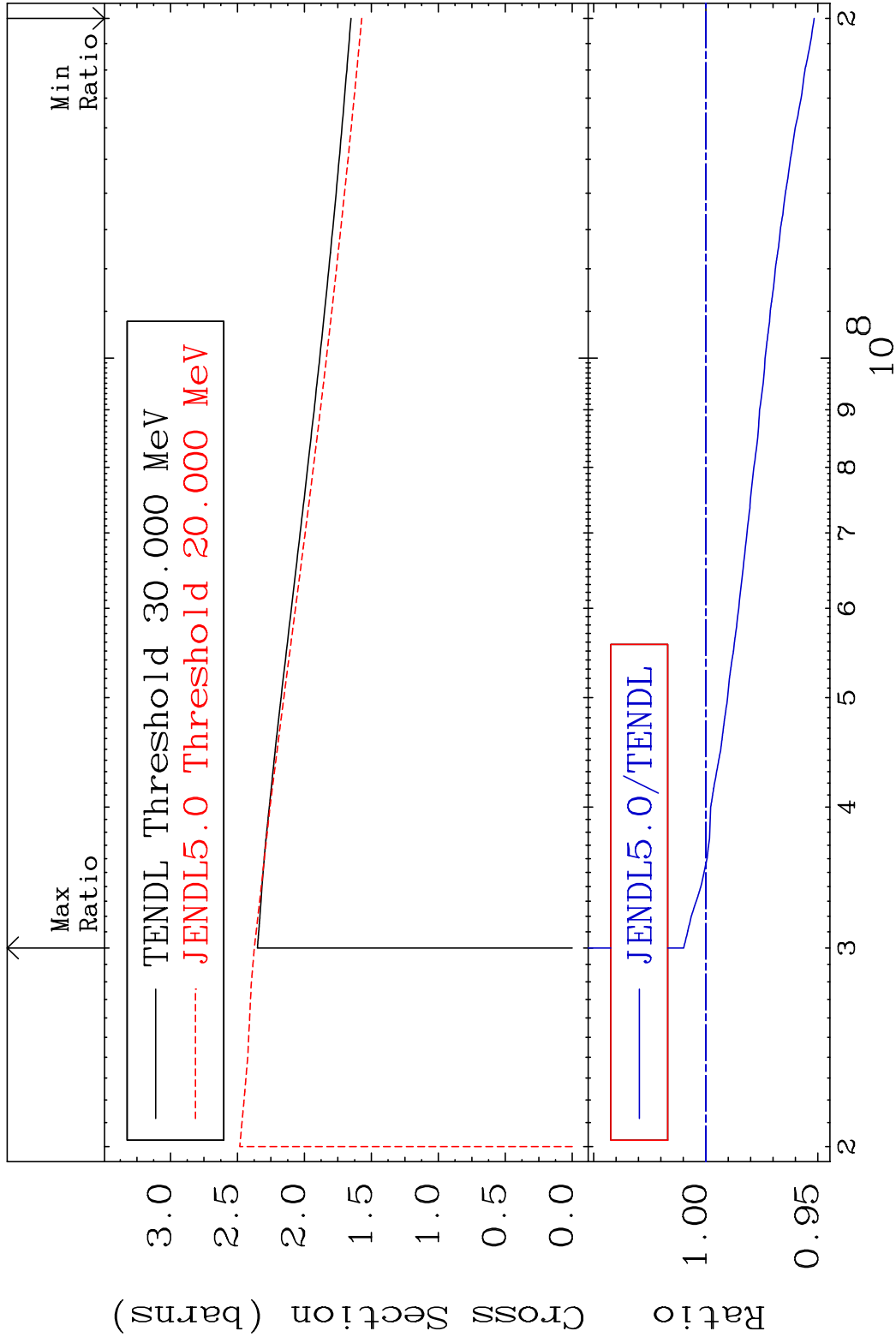
77-Ir-194m

MAT 7735

(n, remainder)

77-Ir-194m

Cross Section -4.837 To 0.986 %



4

Incident Energy (eV)

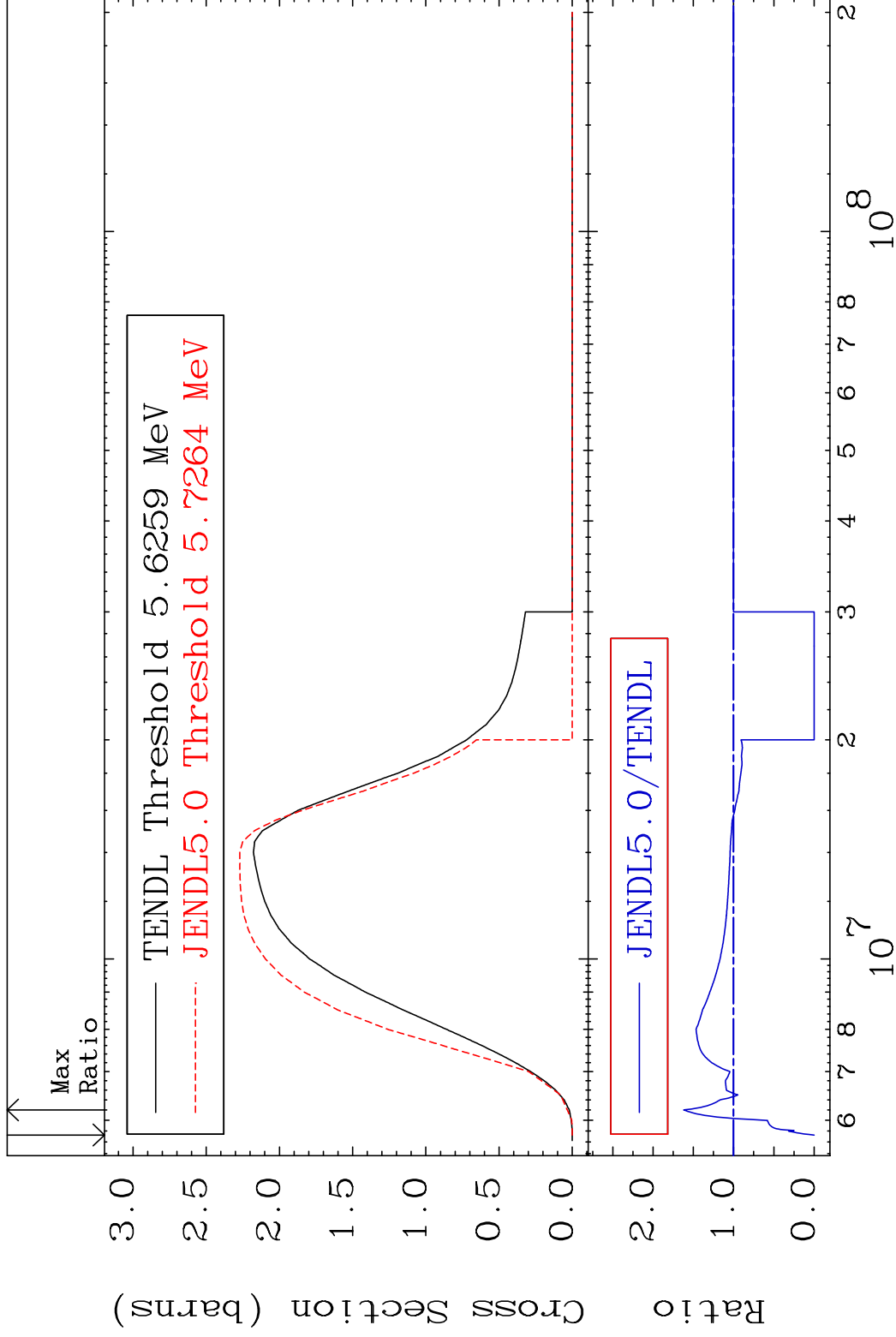
77-Ir-194m

MAT 7735

(n,2n)

77-Ir-194m

Cross Section -100.0 To 61.99 %

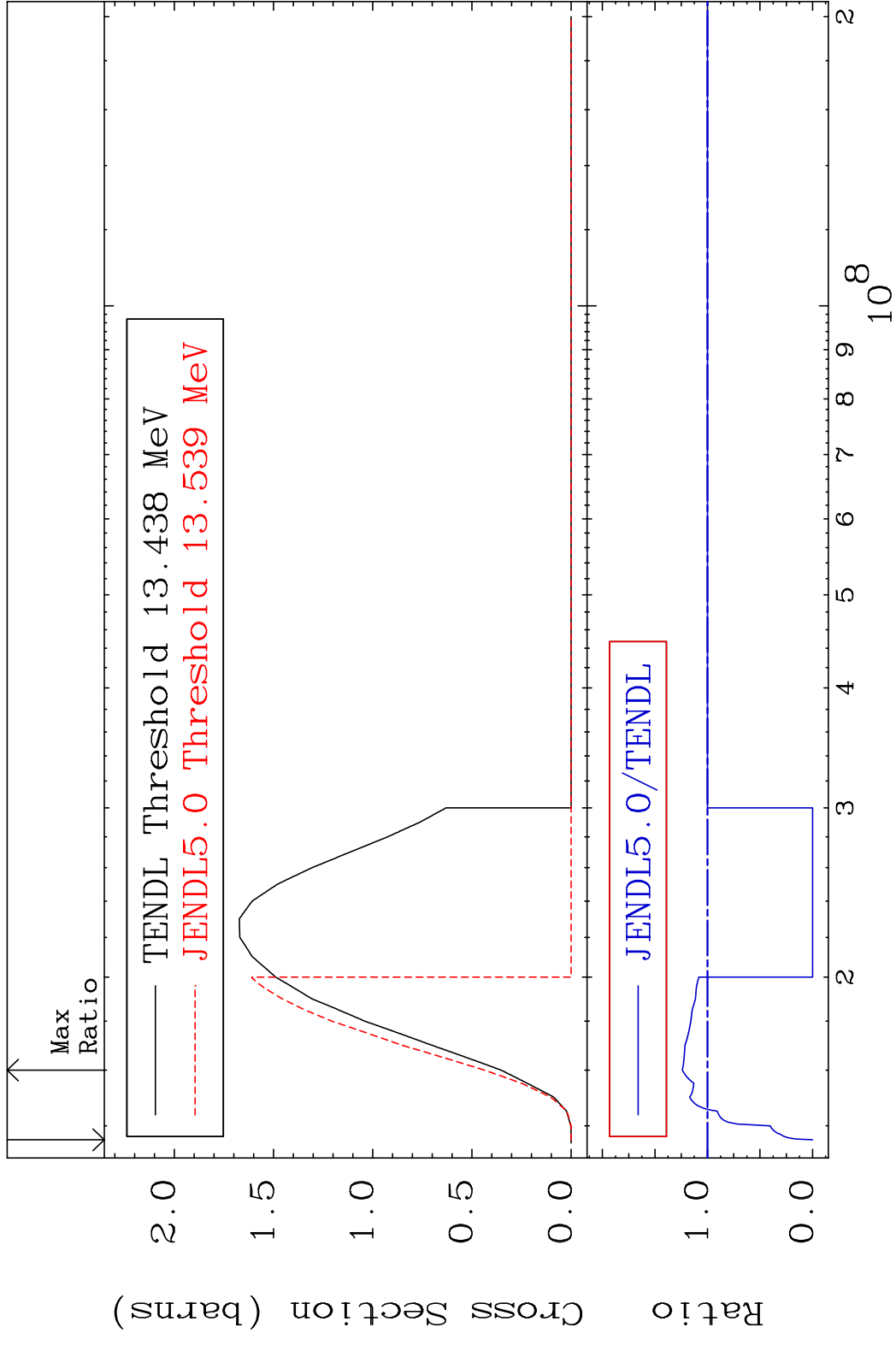


5

Incident Energy (eV)

77-Ir-194m

MAT 7735 (n,3n) 77-Ir-194m  
 Cross Section -100.0 To 23.92 %

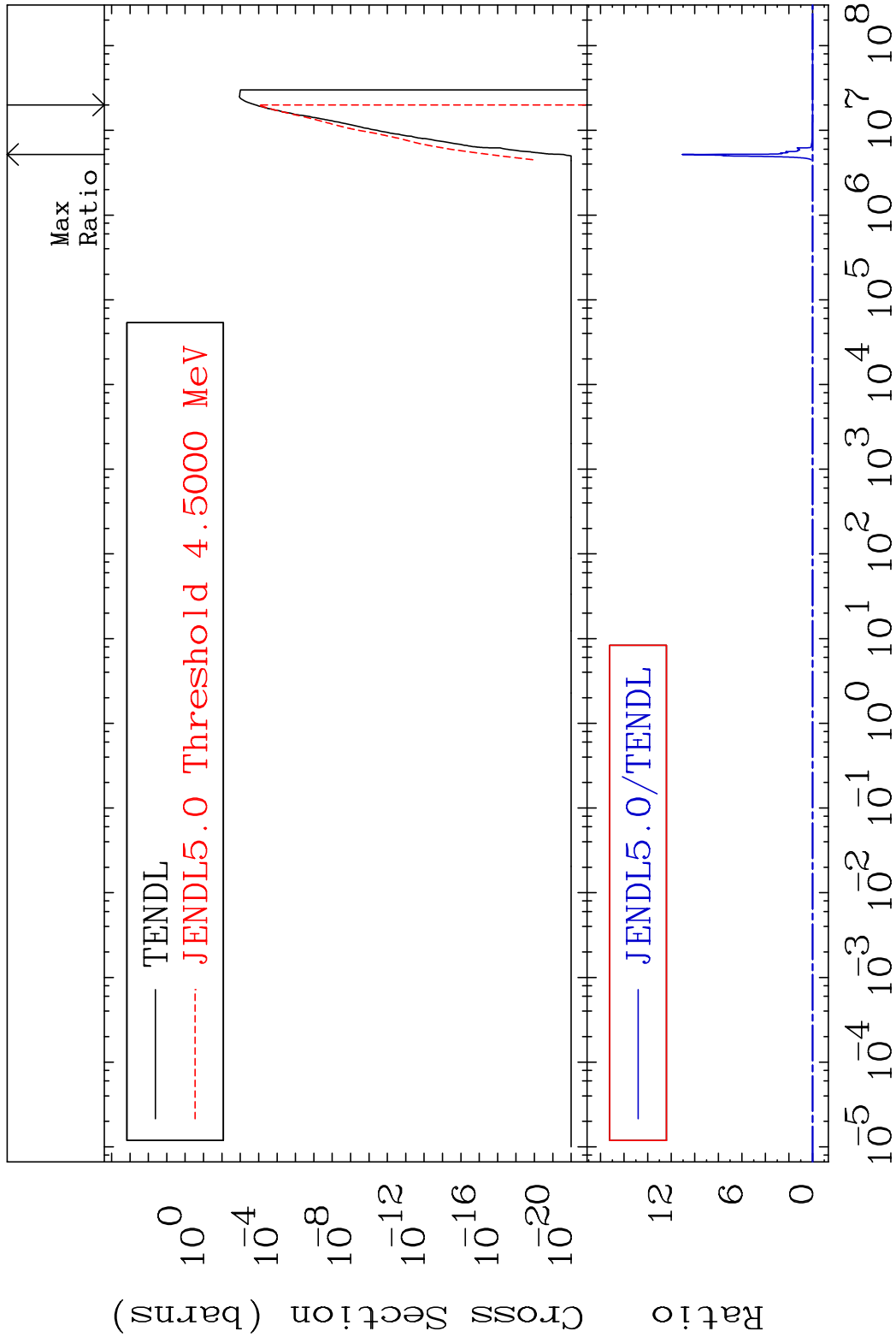


MAT 7735

(n, n')  $\alpha$

77-Ir-194m

Cross Section -100.0 To 9999. %



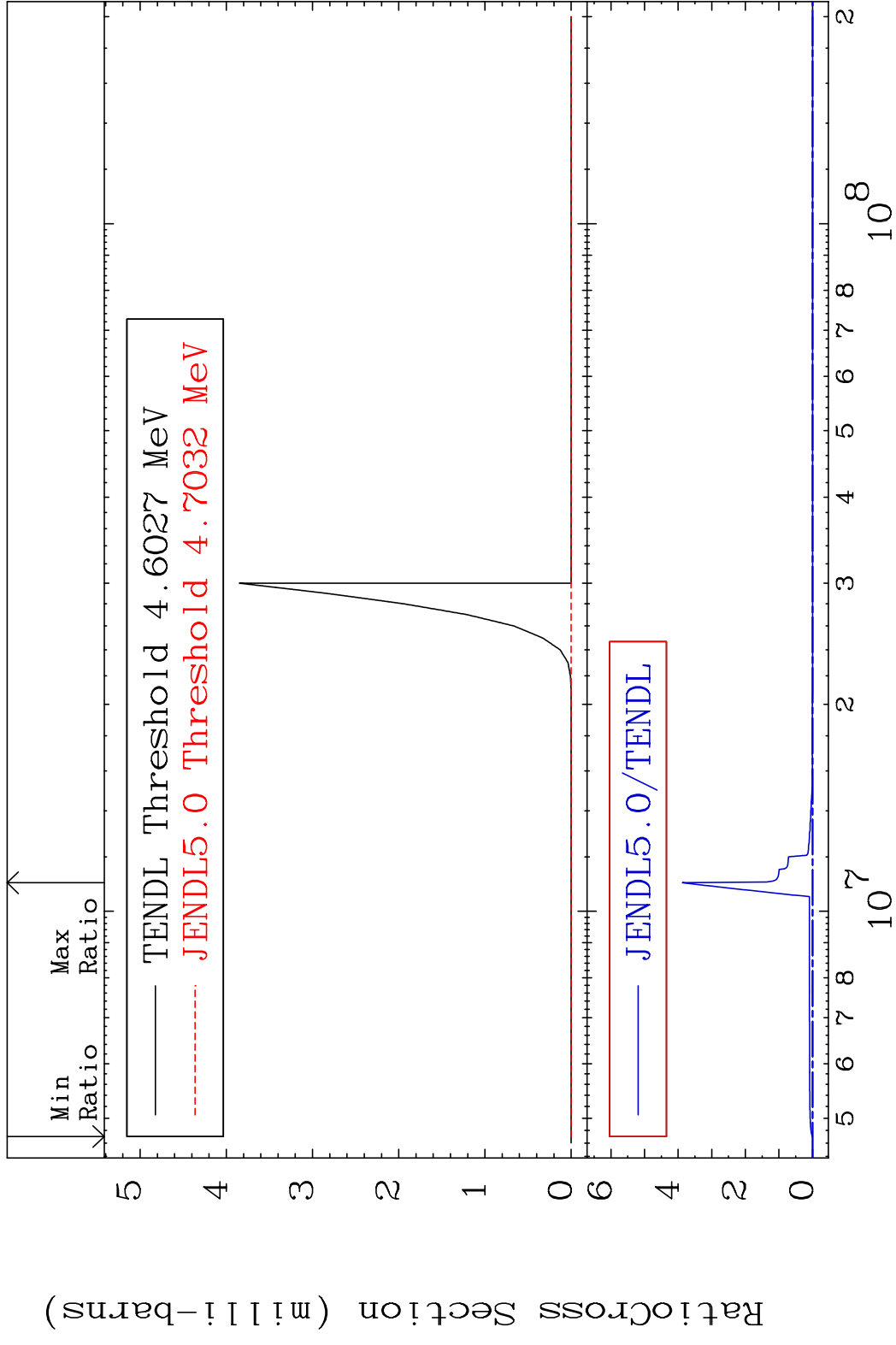
7

Incident Energy (eV)

77-Ir-194m

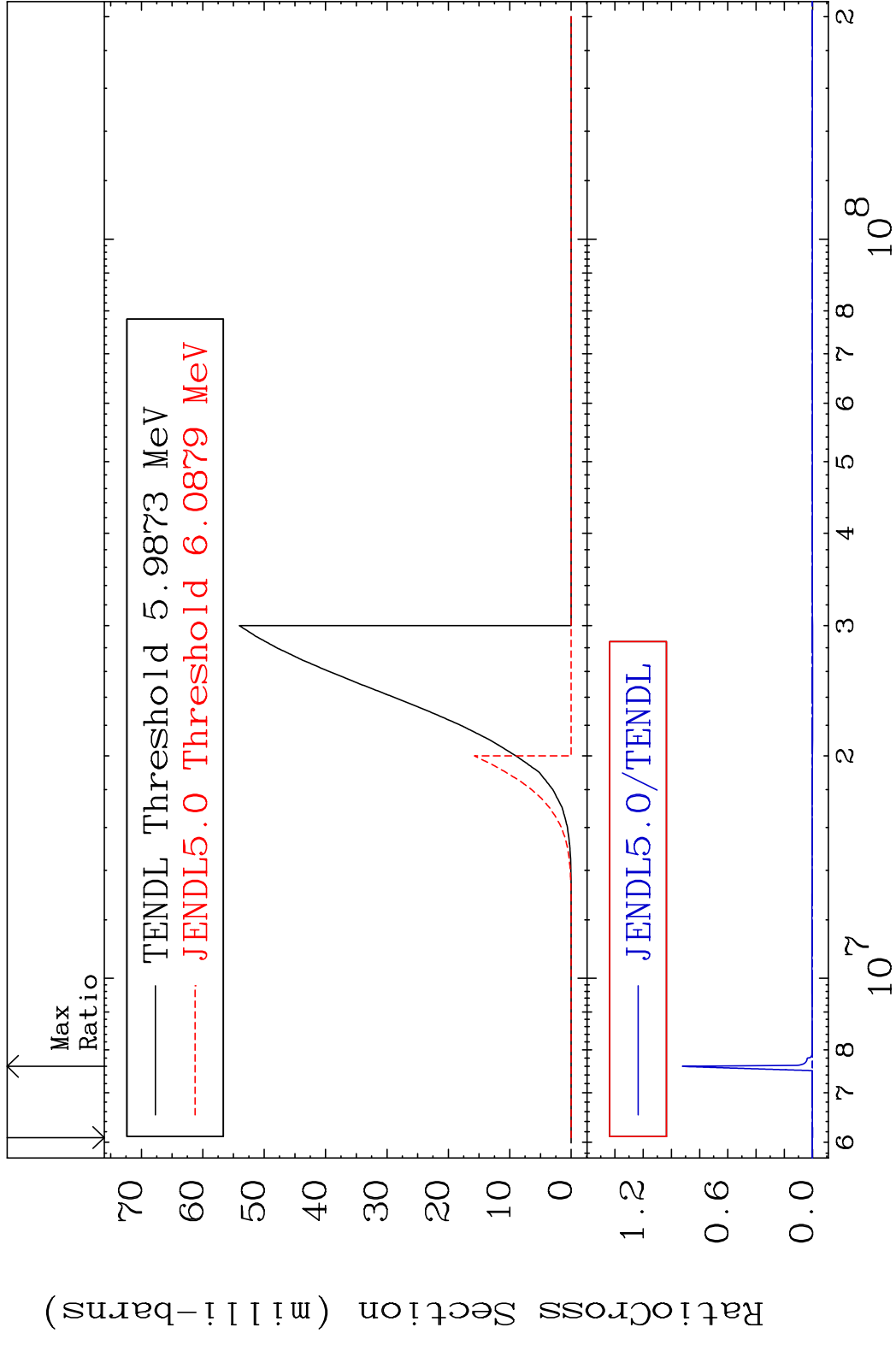


MAT 7735 (n,2n)  $\alpha$  77-Ir-194m  
 Cross Section -100.0 To 9999. %

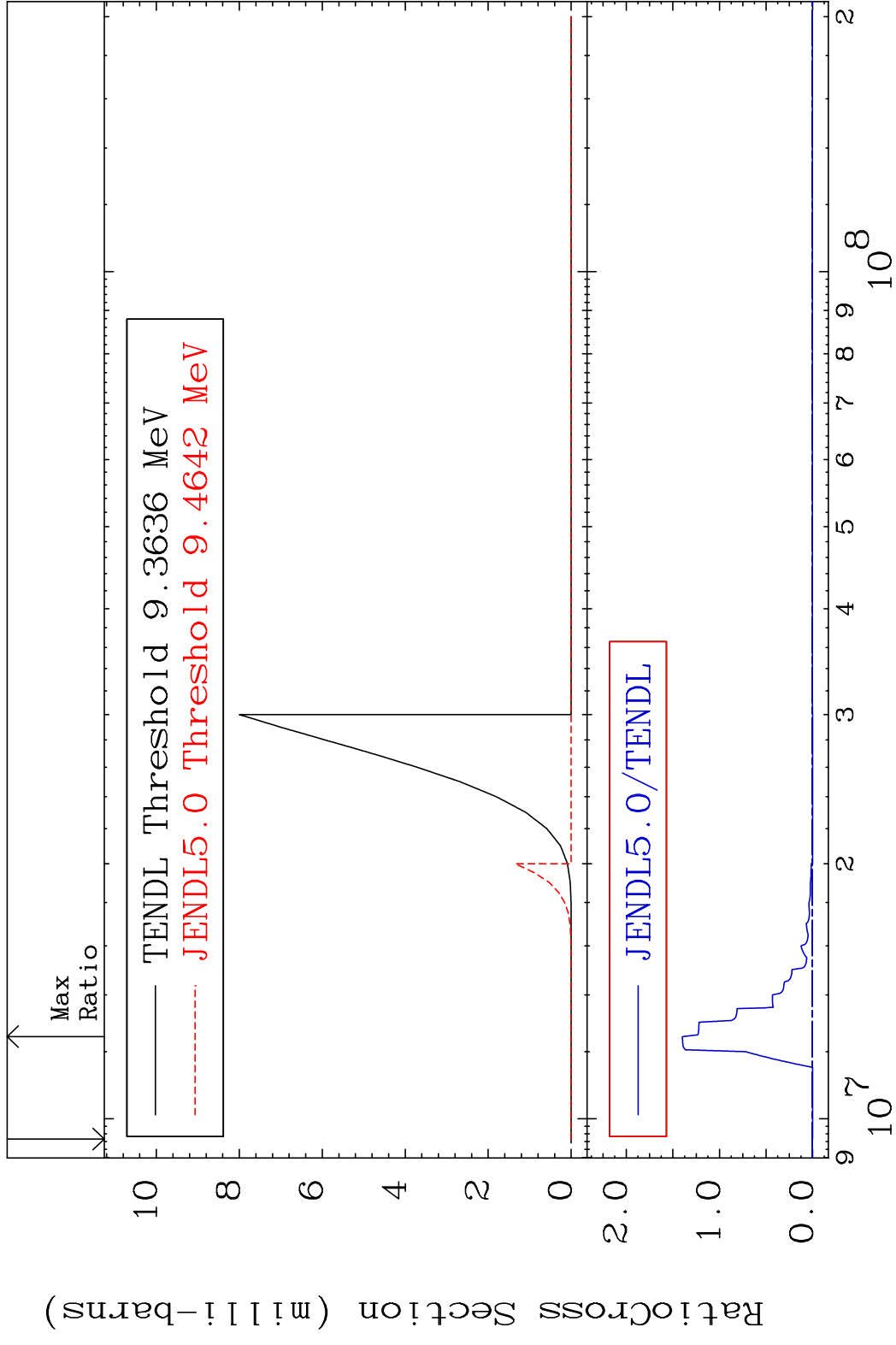


8 Incident Energy (eV) 77-Ir-194m

MAT 7735 (n, n') p 77-Ir-194m  
 Cross Section -100.0 To 9999. %

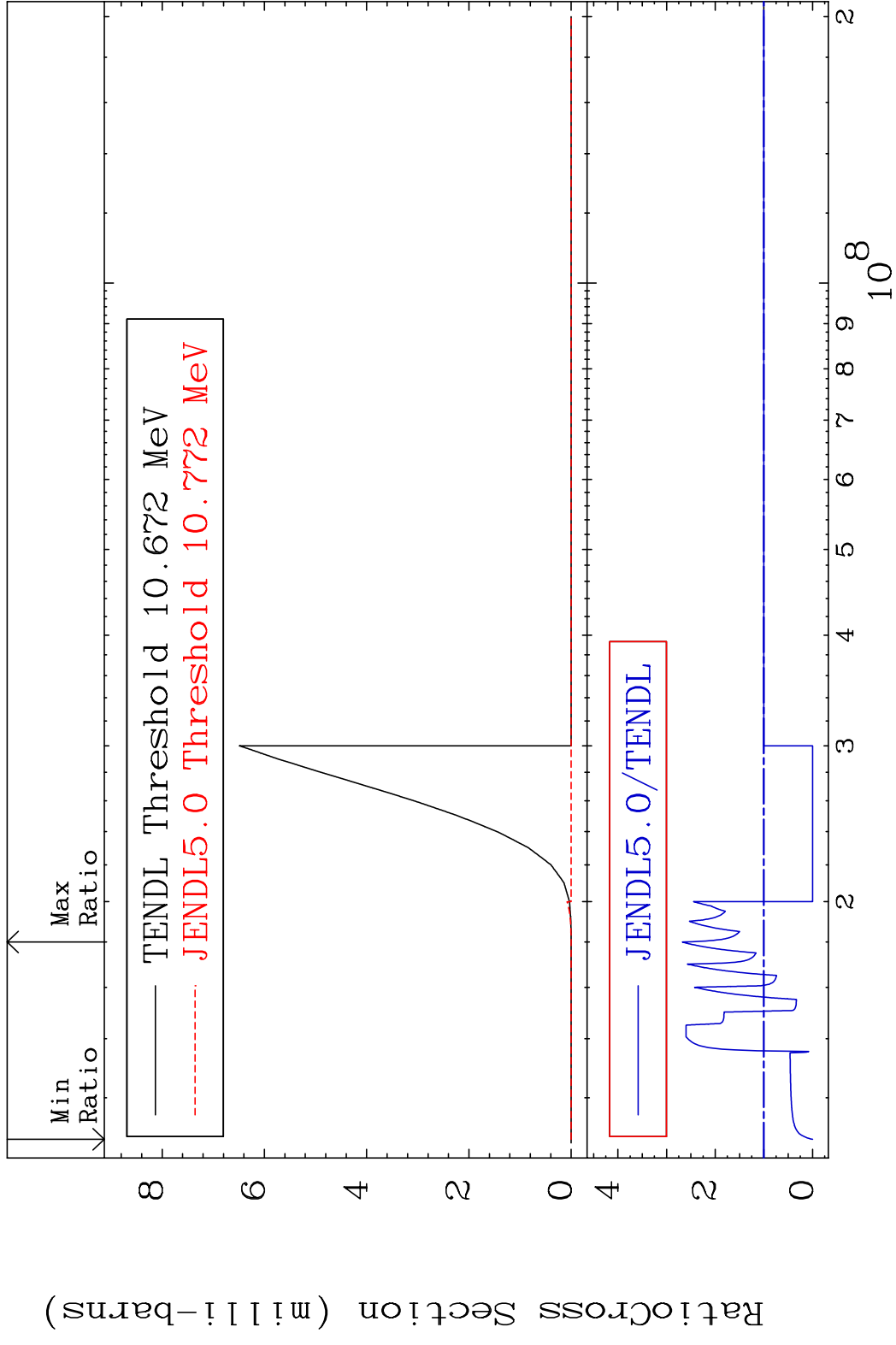


MAT 7735 (n, n') d 77-Ir-194m  
 Cross Section -100.0 To 9999. %



10 9 8 7 6 5 4 3 2 1 0 9 8 7 6 5 4 3 2 1 0 10<sup>7</sup> 10<sup>8</sup> 10<sup>9</sup> 77-Ir-194m

MAT 7735 (n, n') t 77-Ir-194m  
 Cross Section -100.0 To 167.6 %

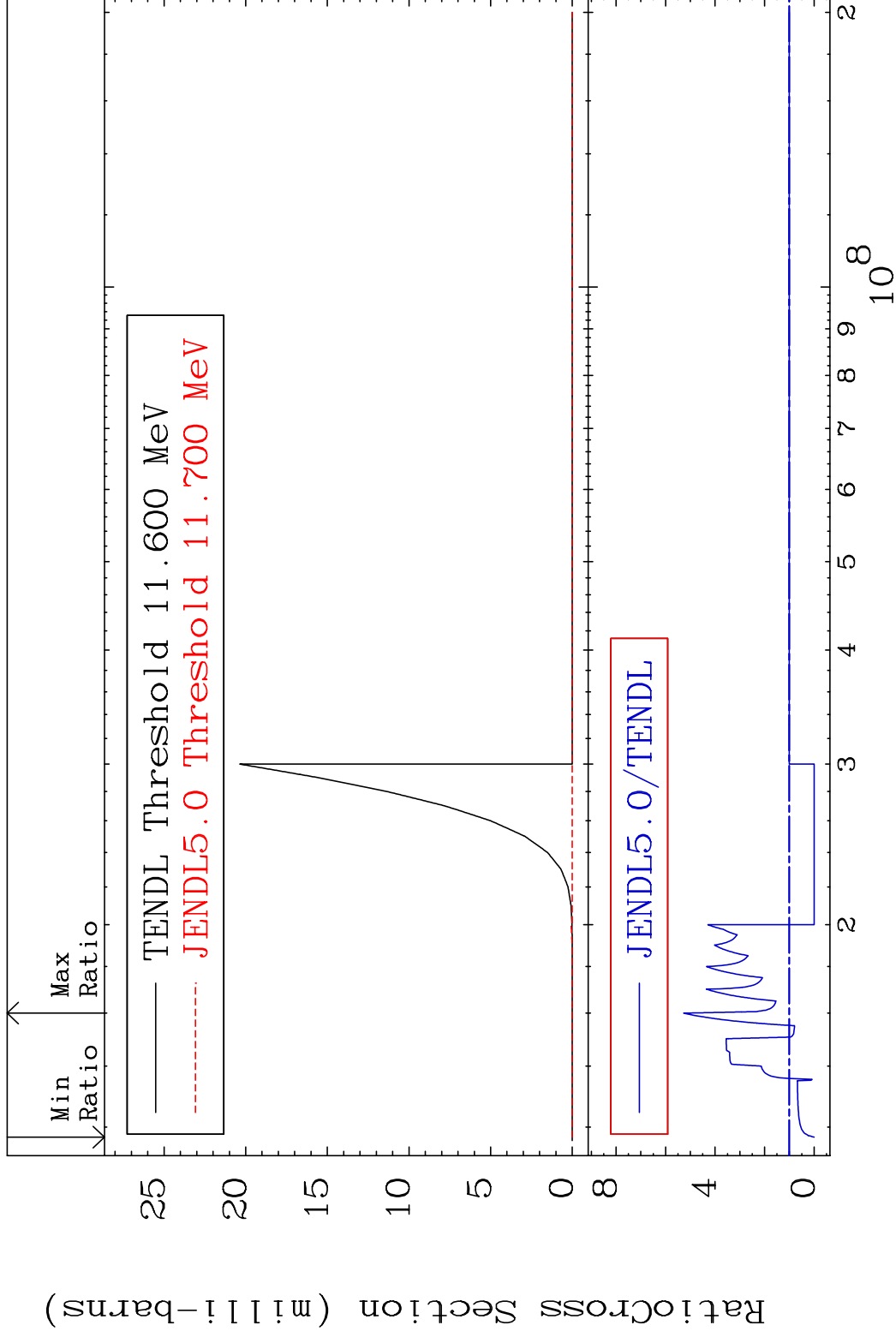


MAT 7735

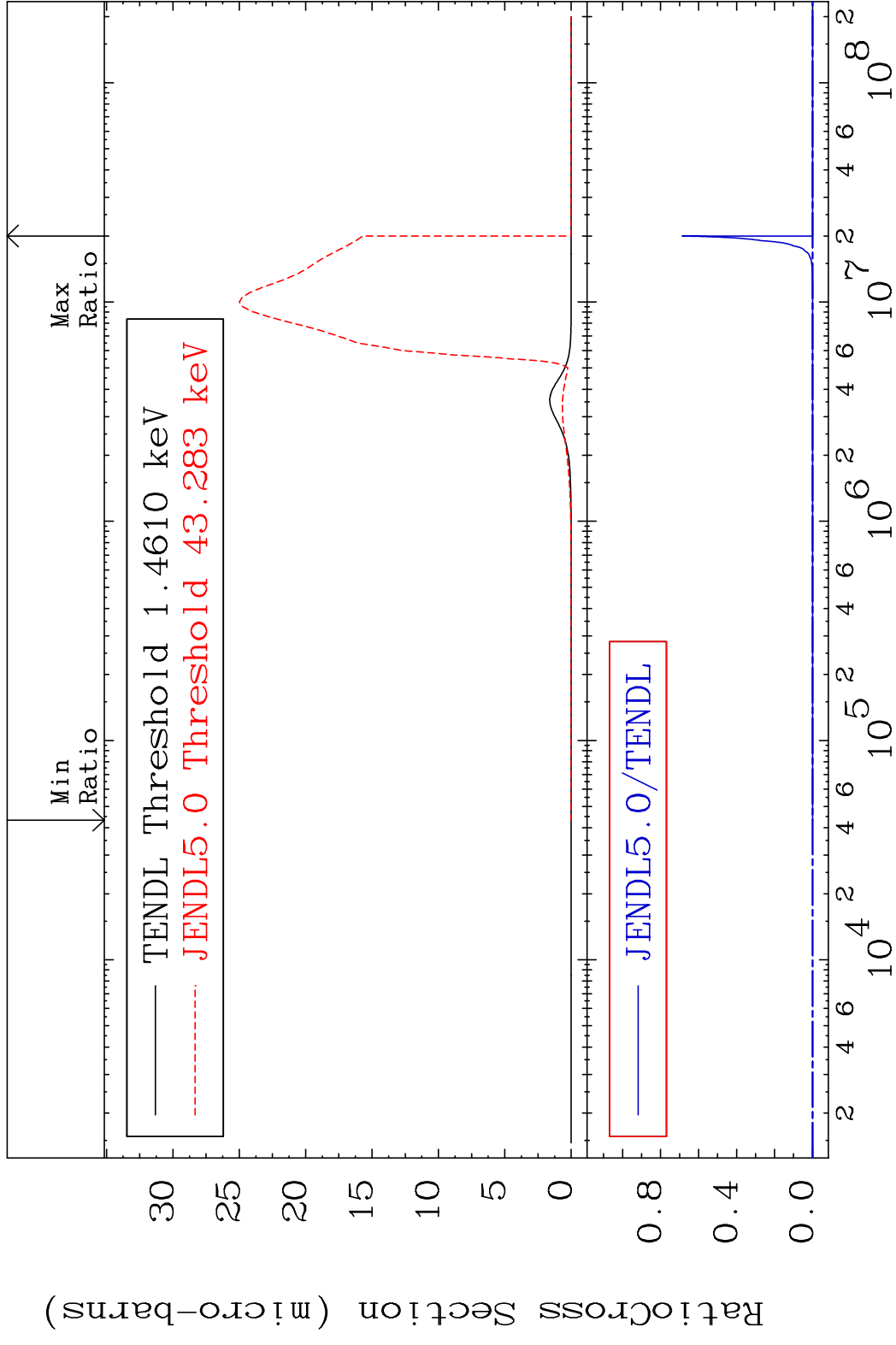
(n,2n) p

77-Ir-194m

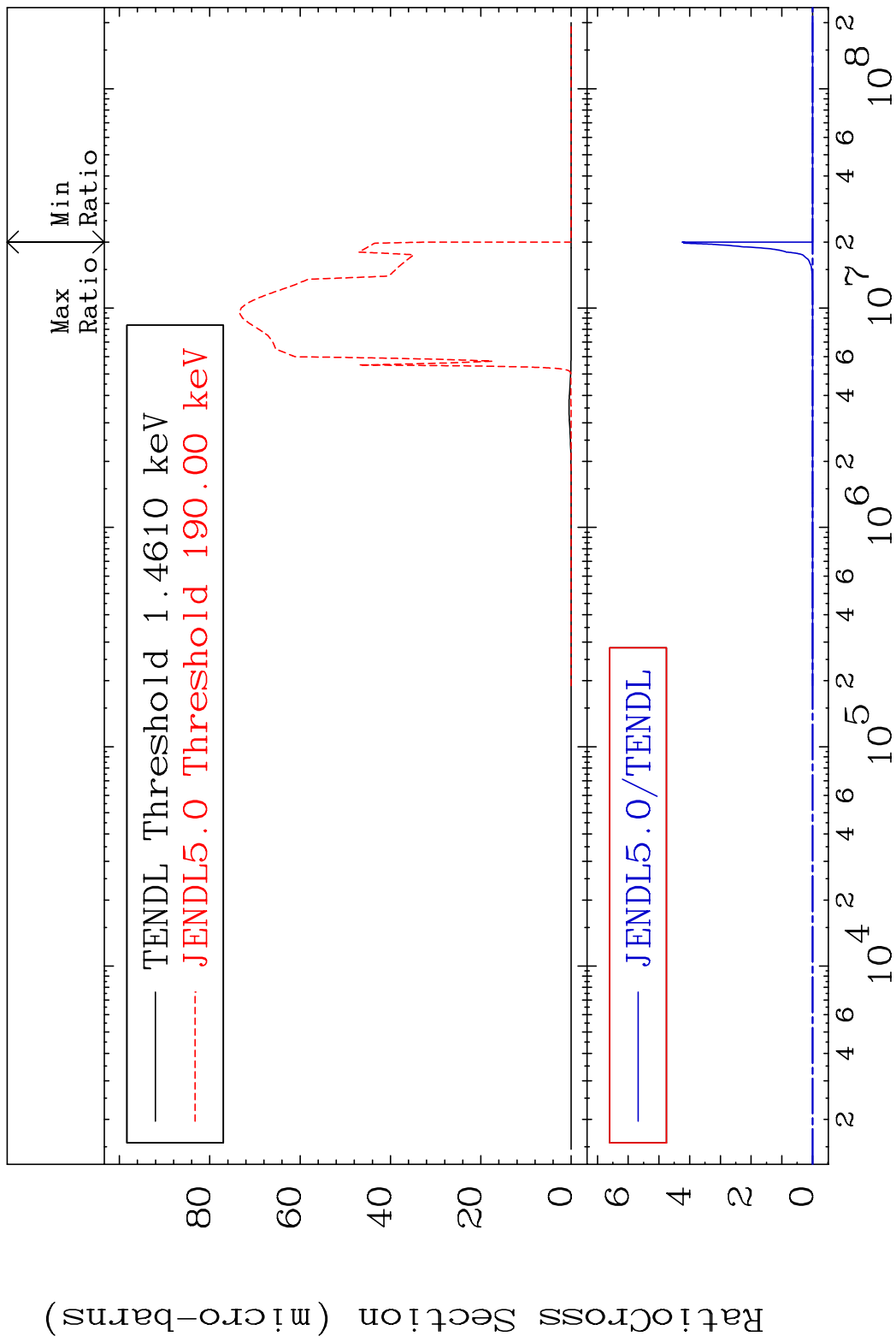
Cross Section -100.0 To 426.9 %



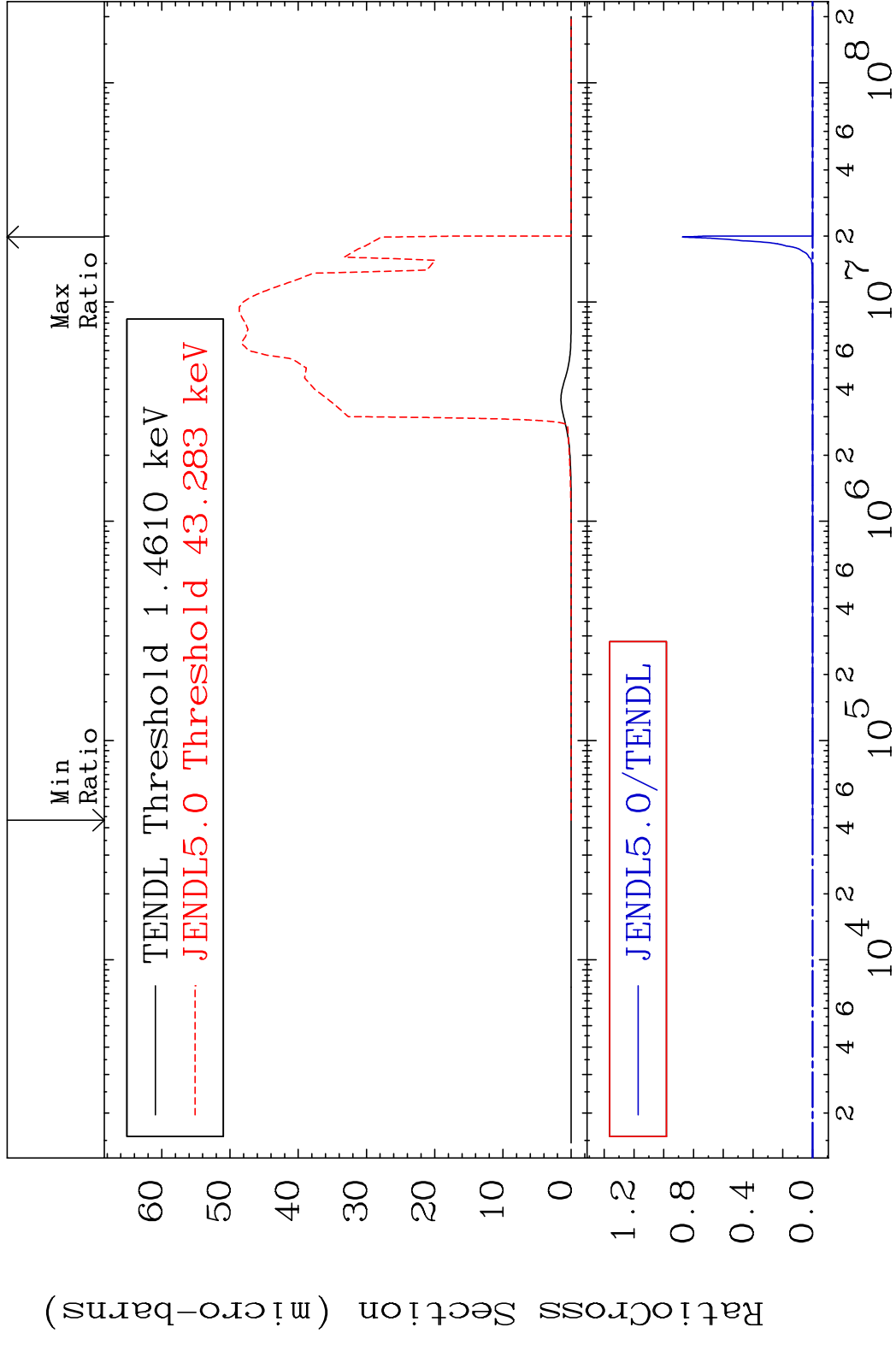
MAT 7735 MT= 51 (n, n') Level 77-Ir-194m  
 Cross Section -100.0 To 9999. %



MAT 7735 MT= 52 (n,n') Level 77-Ir-194m  
 Cross Section -100.0 To 9999. %



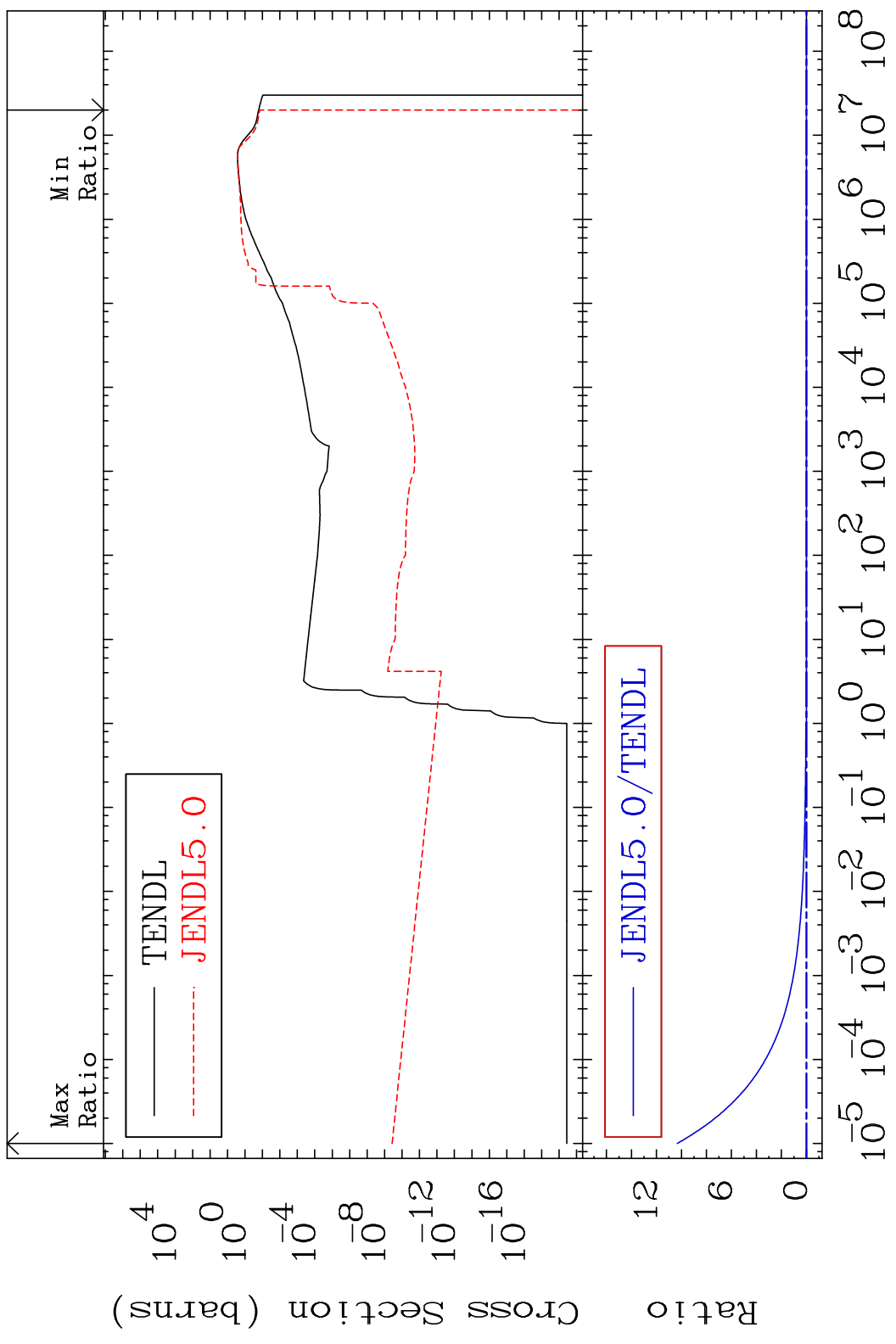
MAT 7735 MT= 53 (n, n') Level 77-Ir-194m  
 Cross Section -100.0 To 9999. %





MAT 7735

(n, n') Continuum 77-Ir-194m  
Cross Section -100.0 To 9999. %

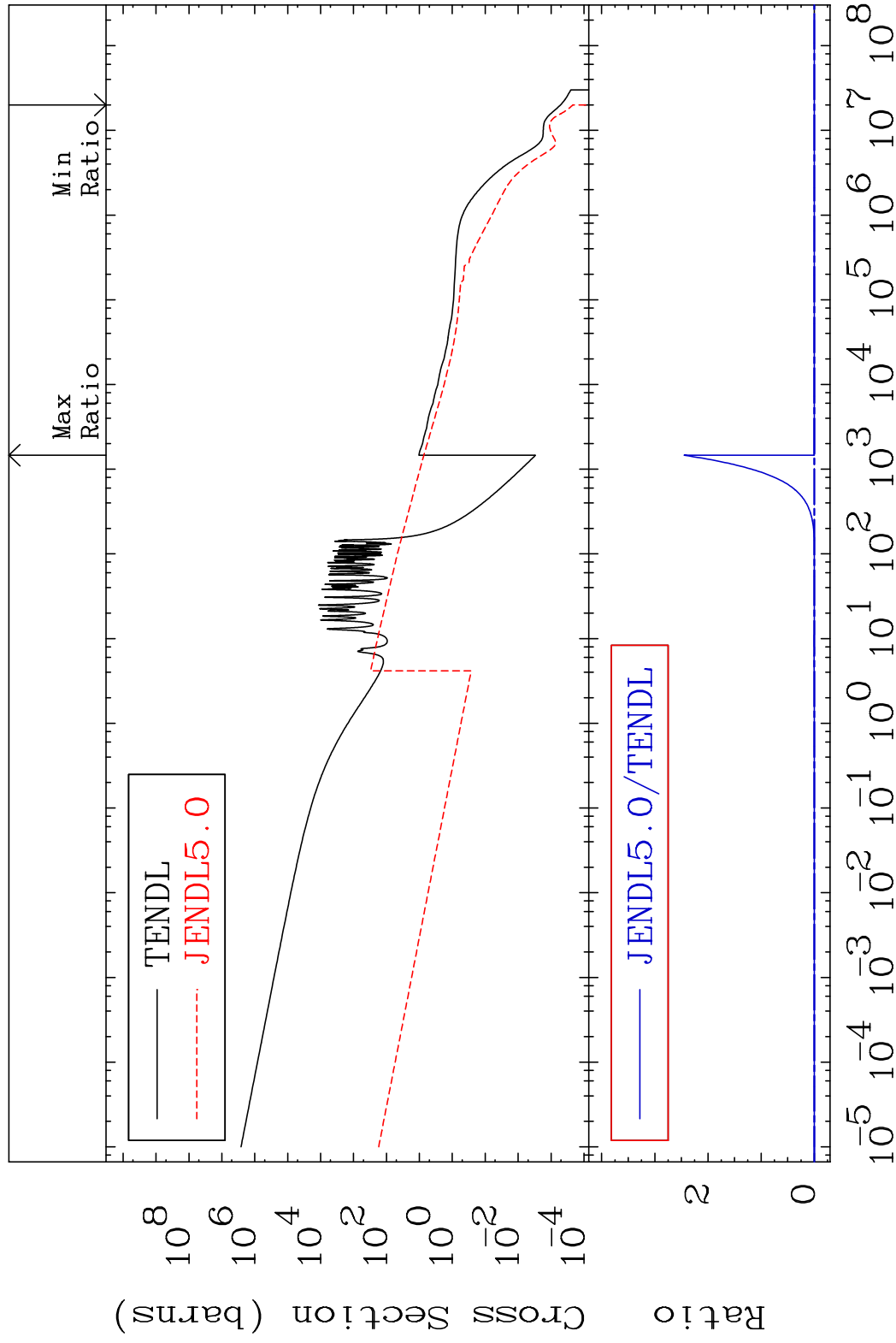


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Incident Energy (eV) 77-Ir-194m

MAT 7735

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
77-Ir-194m



17

Incident Energy (eV)

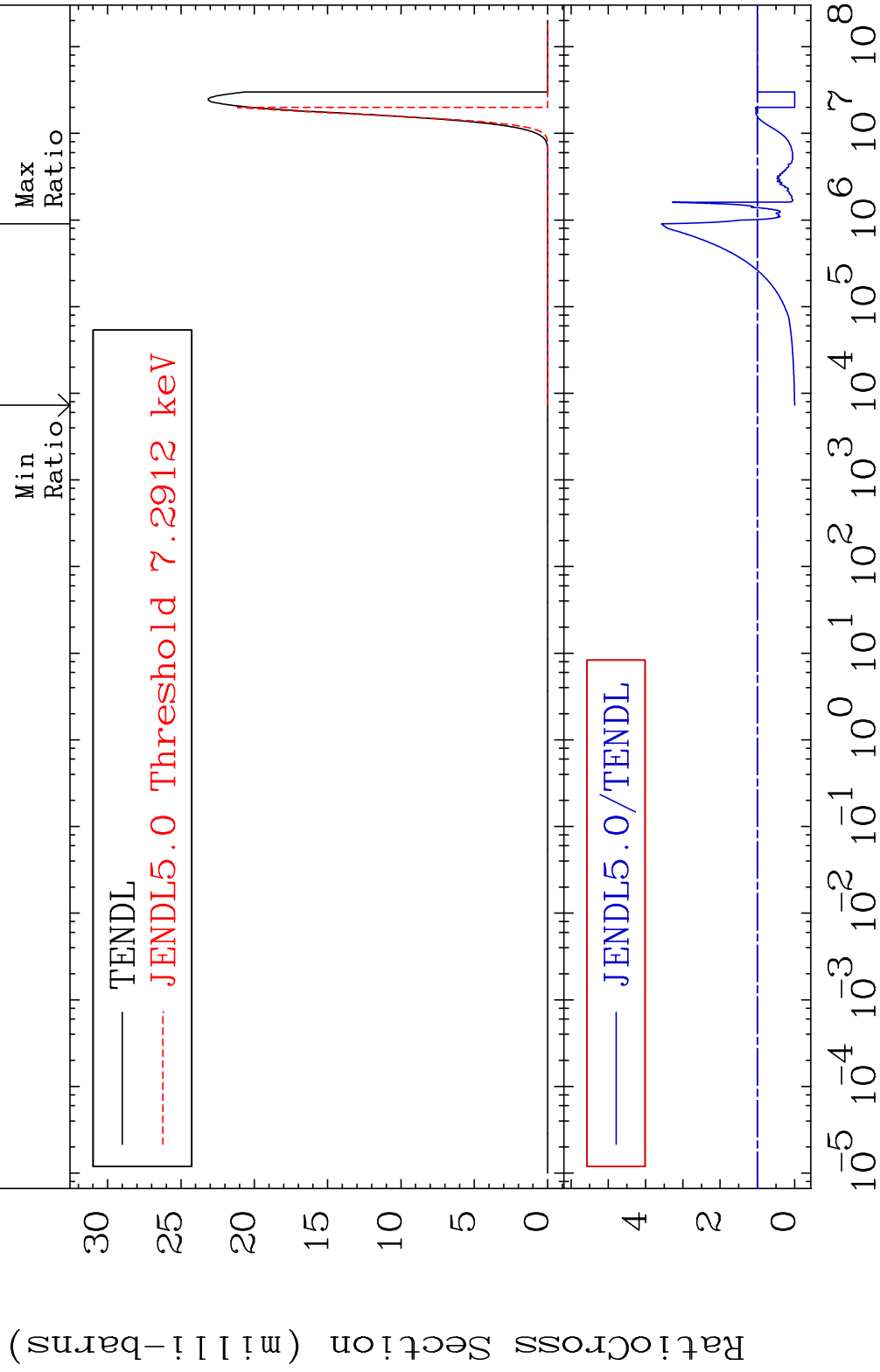
77-Ir-194m

MAT 7735

(n, p)

77-Ir-194m

Cross Section -100.0 To 257.5 %



18

Incident Energy (eV)

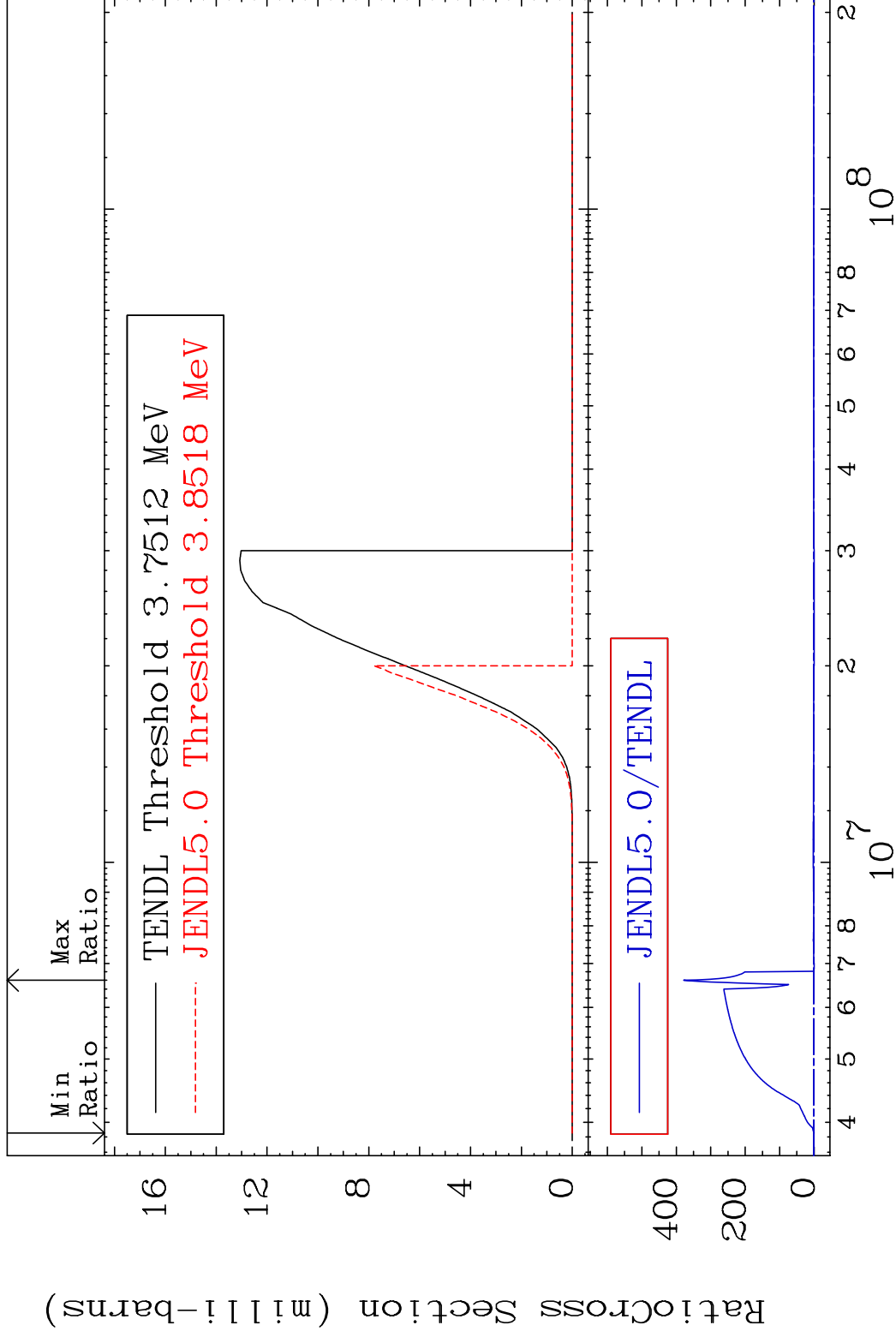
77-Ir-194m

MAT 7735

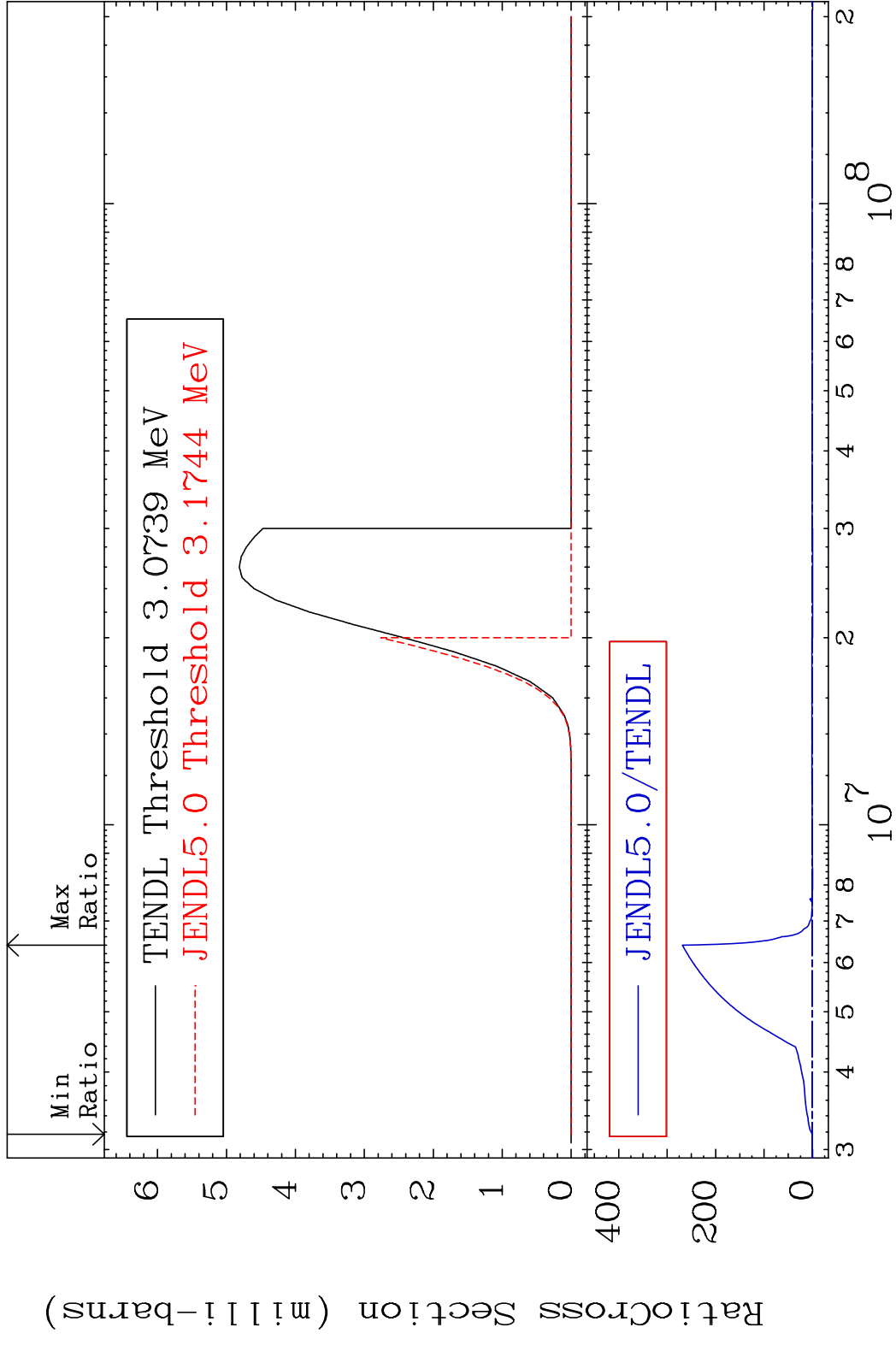
(n, d)

77-Ir-194m

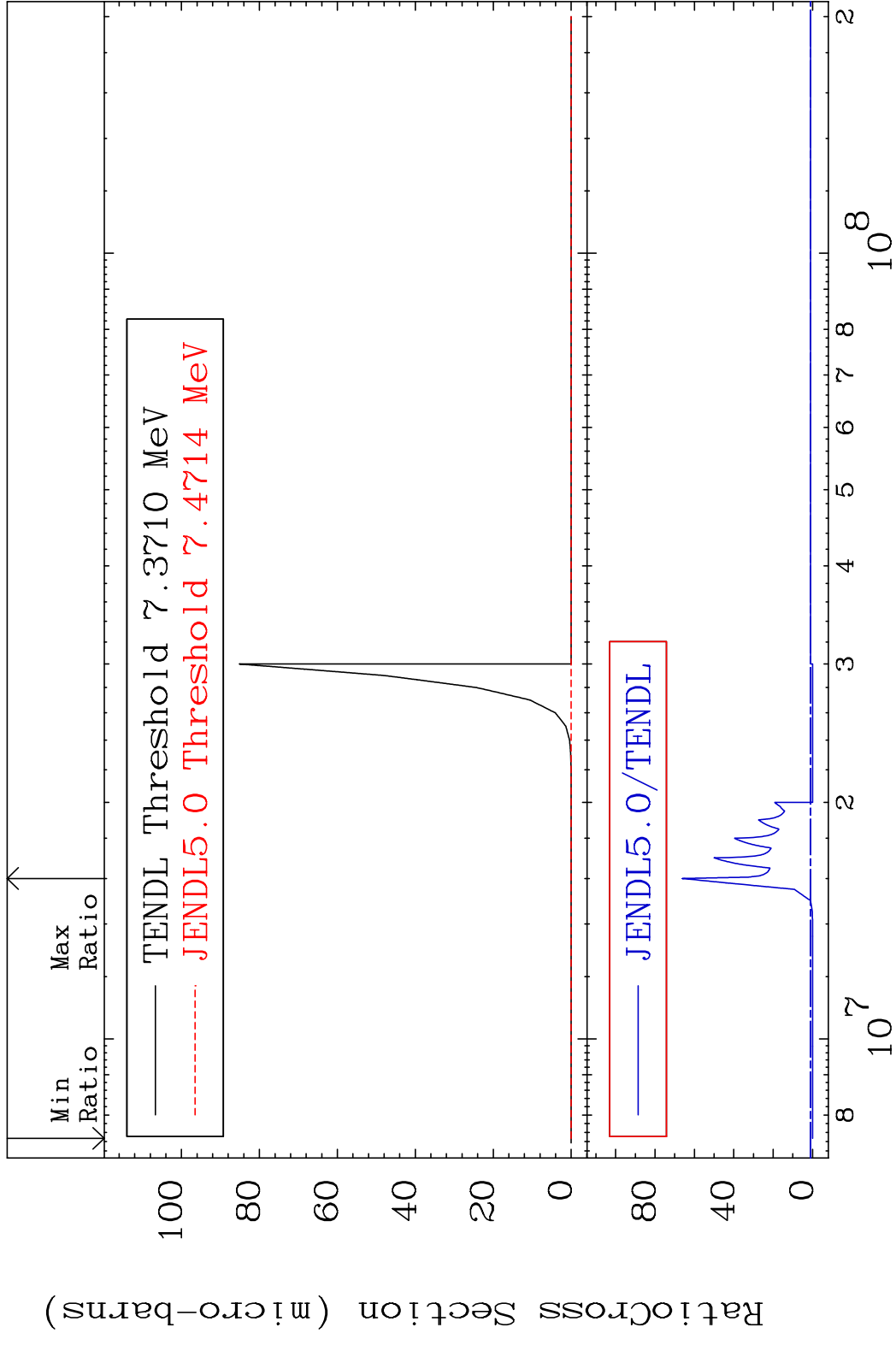
Cross Section -100.0 To 9999. %



MAT 7735 (n, t) 77-Ir-194m  
 Cross Section -100.0 To 9999. %



MAT 7735 (n, He-3) <sup>77</sup>Ir-194m  
 Cross Section -100.0 To 6511. %

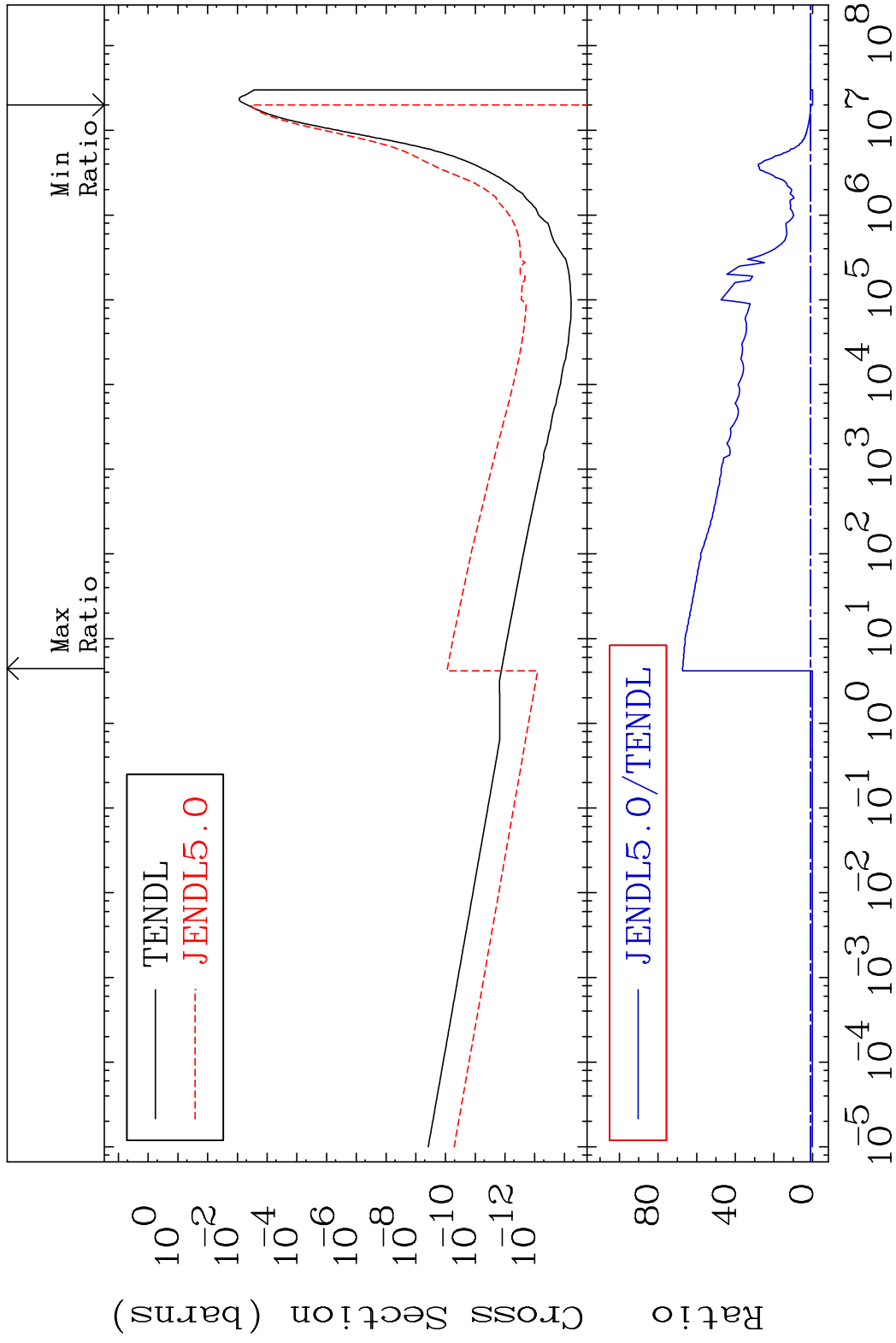


MAT 7735

(n,  $\alpha$ )

77-Ir-194m

Cross Section -100.0 To 6640. %



22

Incident Energy (eV)

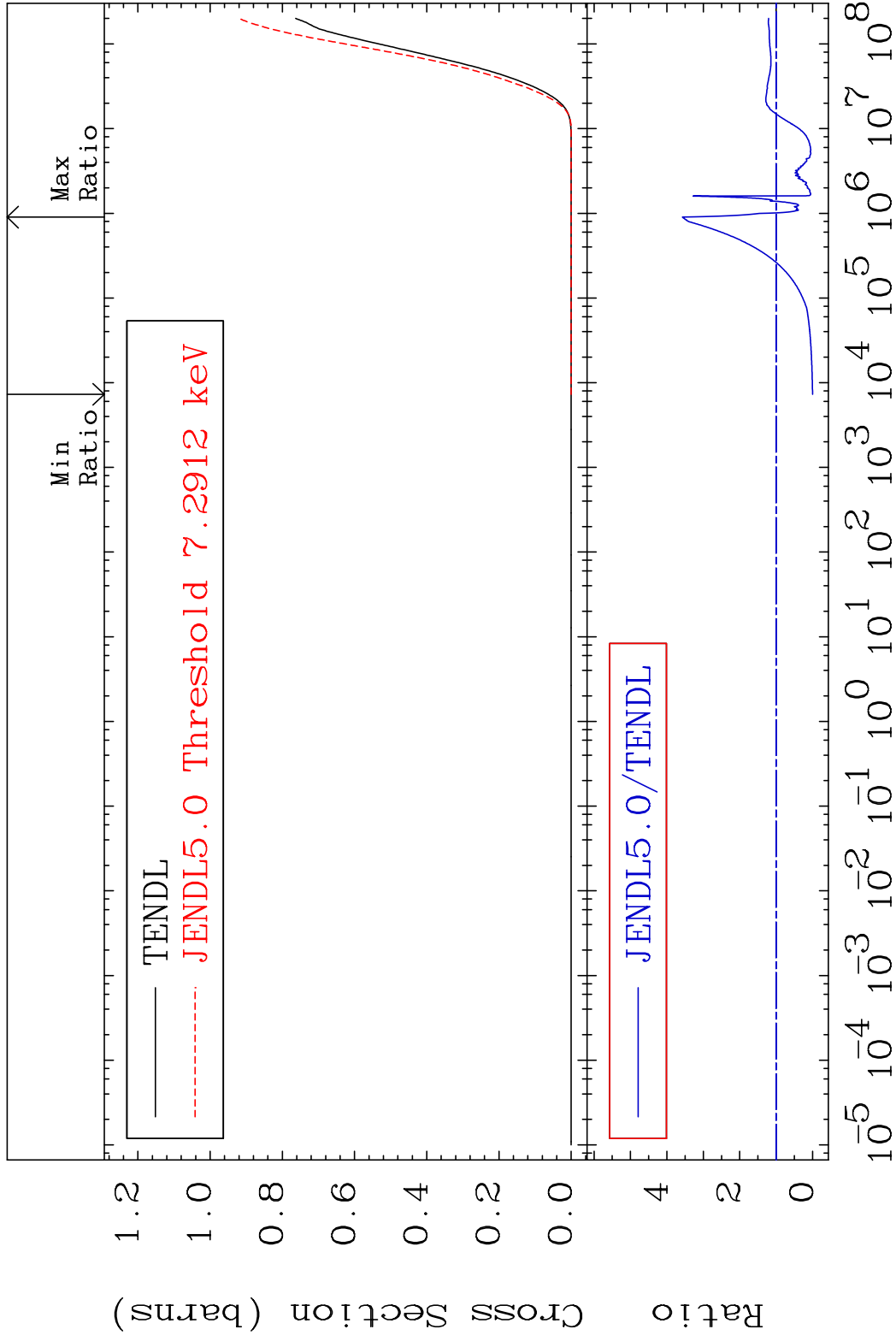
77-Ir-194m

MAT 7735

Hydrogen Production

77-Ir-194m

Cross Section -100.0 To 257.5 %



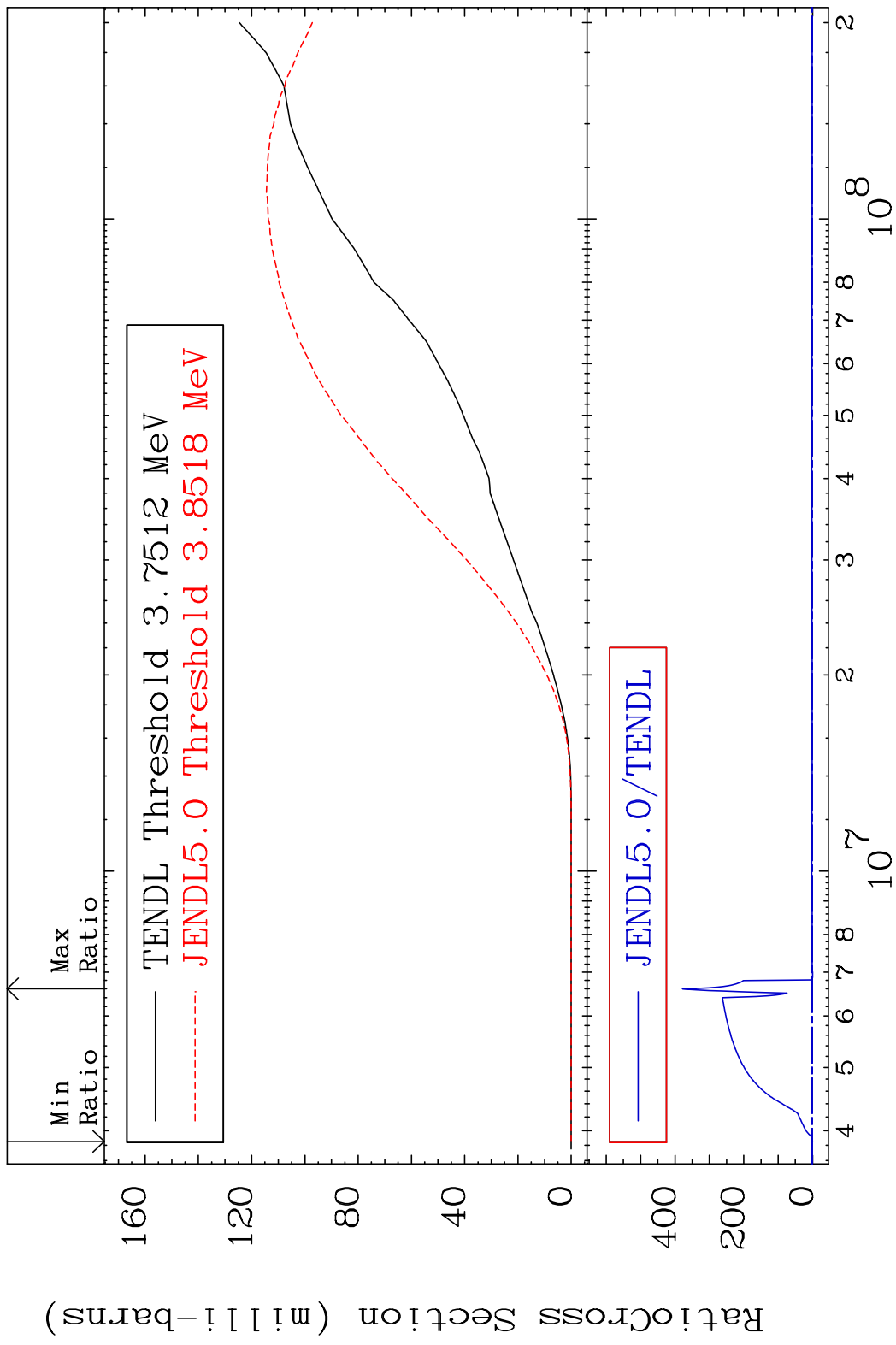
23

Incident Energy (eV)

77-Ir-194m



MAT 7735 Deuterium Production 77-Ir-194m  
 Cross Section -100.0 To 9999. %

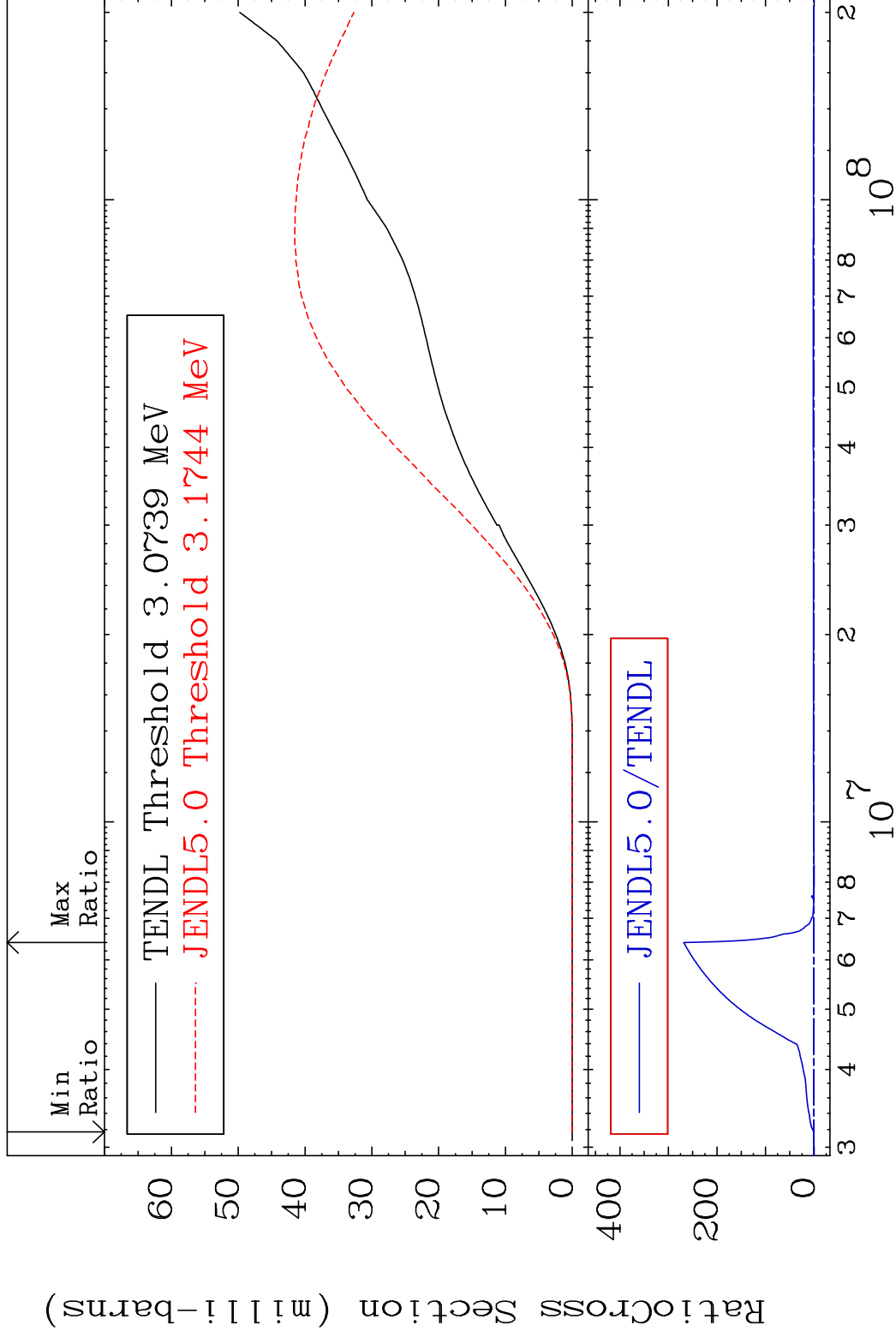


MAT 7735

Tritium Production

77-Ir-194m

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

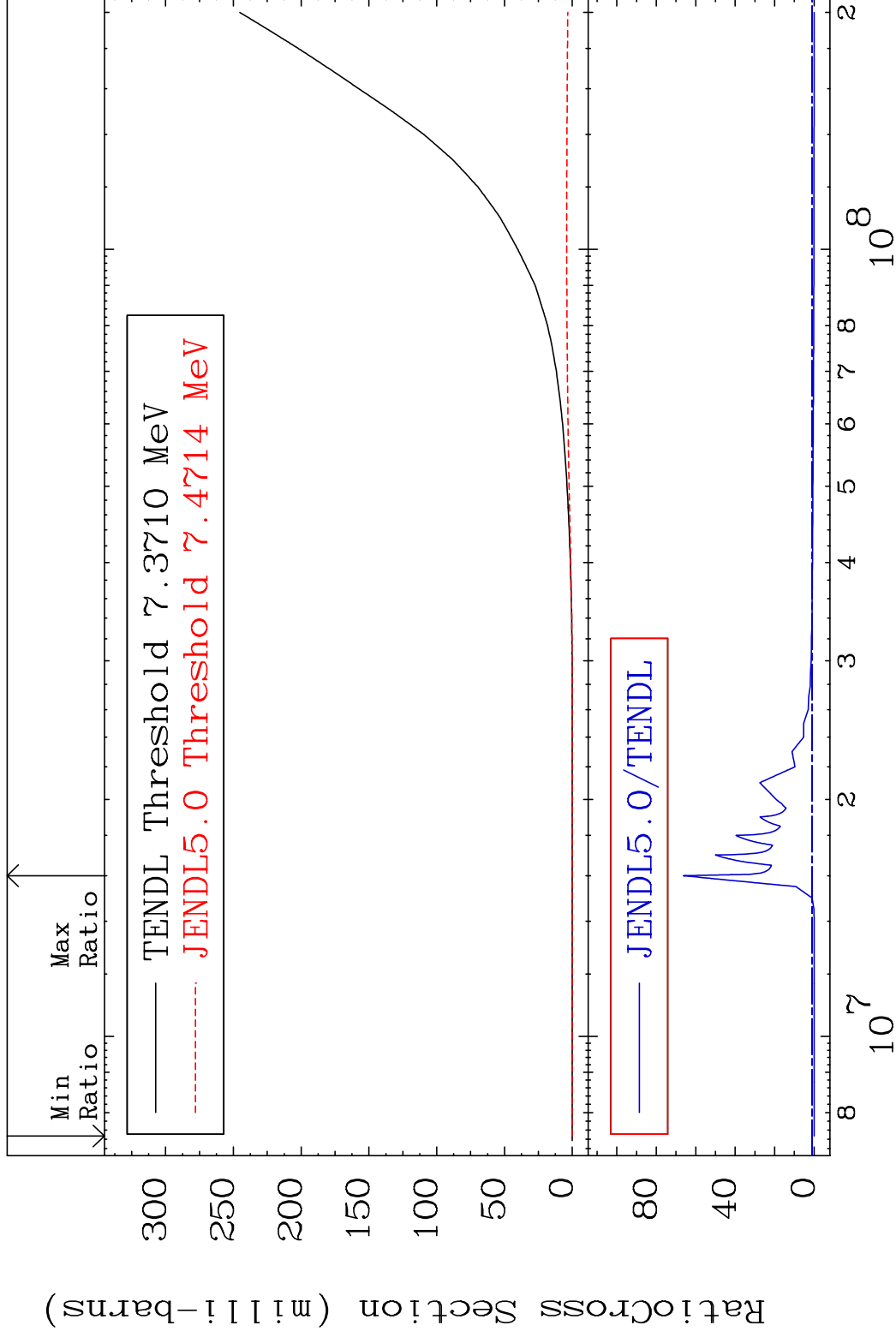
77-Ir-194m

MAT 7735

He-3 Production

77-Ir-194m

Cross Section -100.0 To 6511. %



26

Incident Energy (eV)

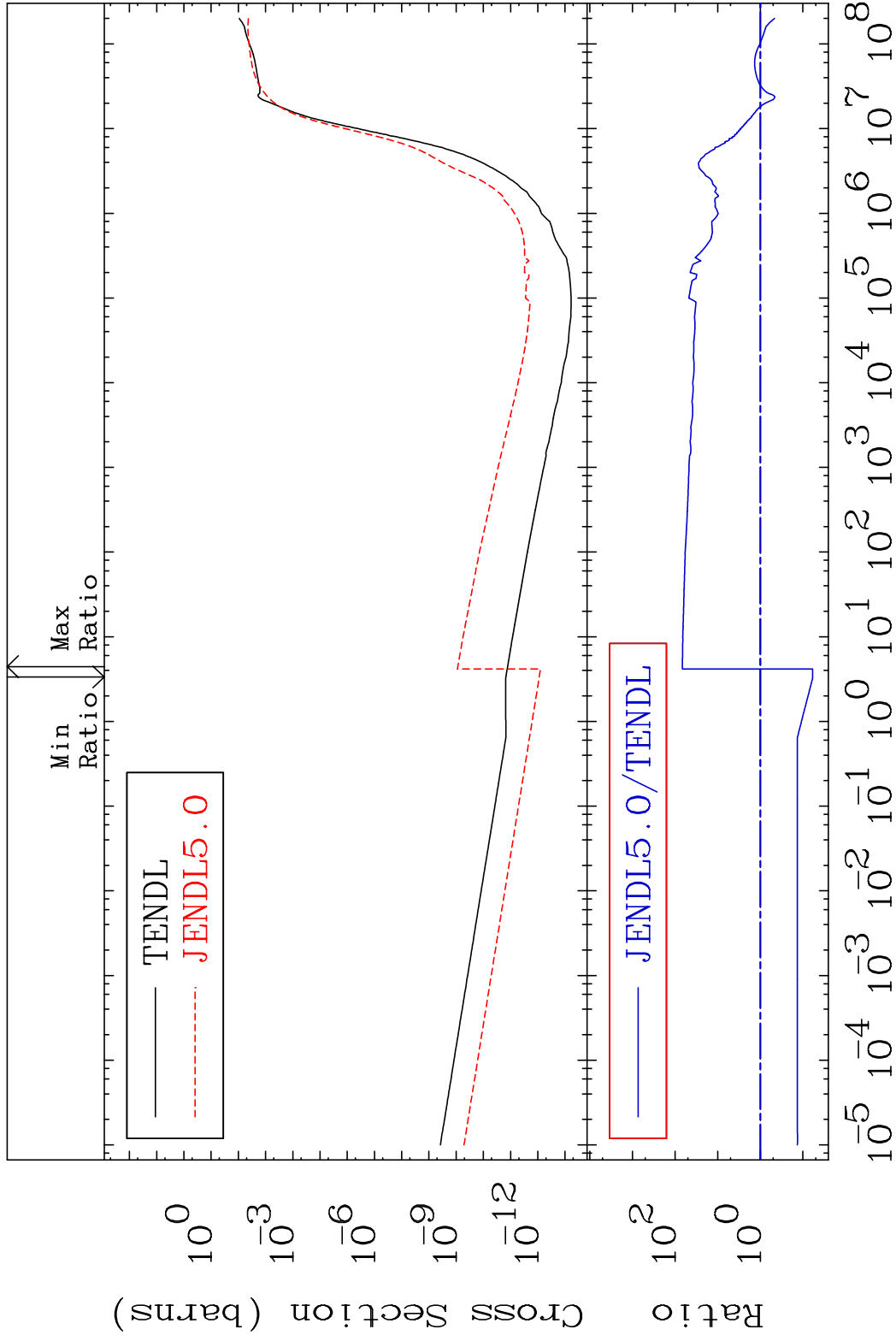
77-Ir-194m

MAT 7735

He-4 Production

77-Ir-194m

Cross Section -94.06 To 6640. %

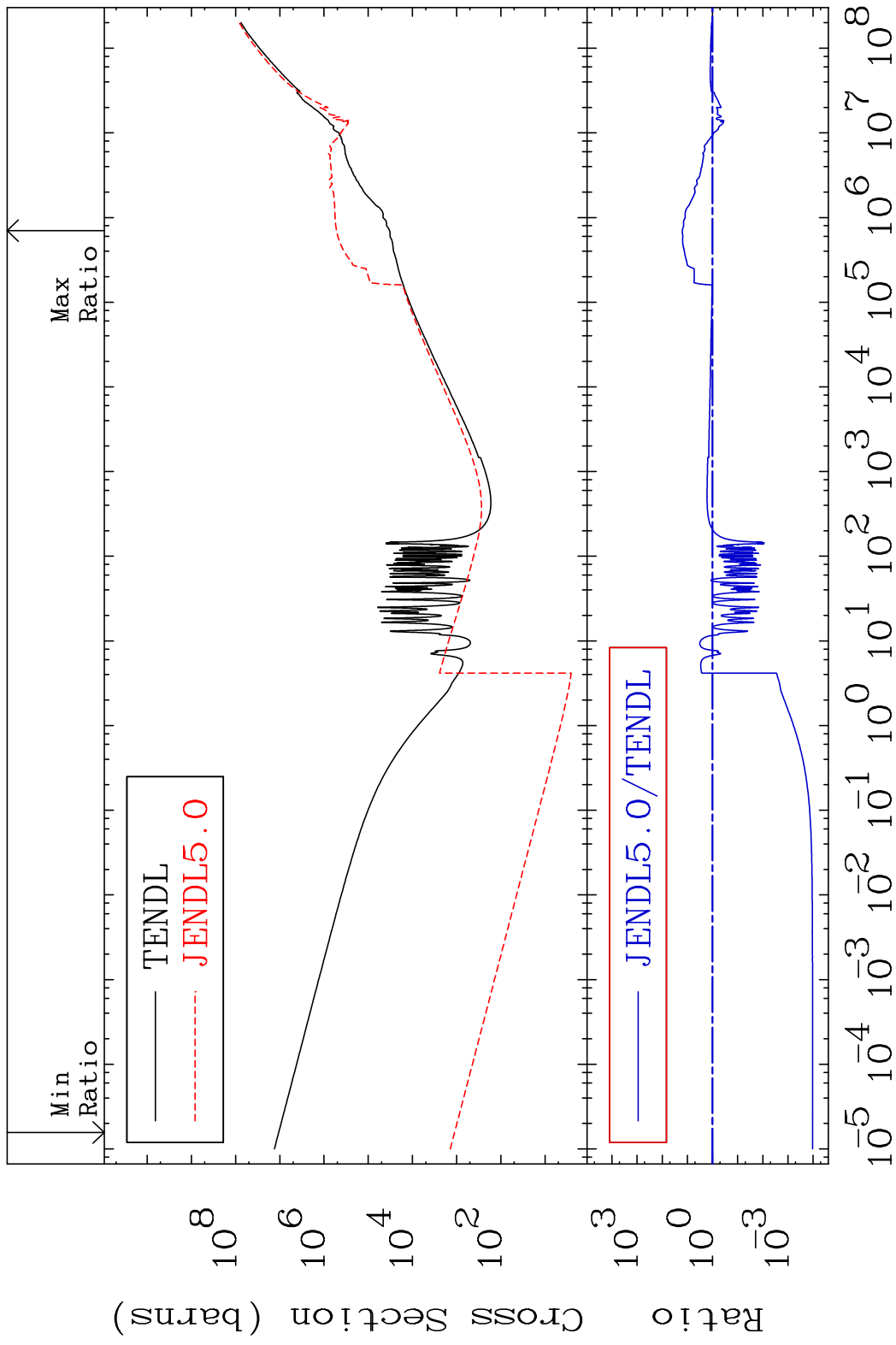


27

Incident Energy (eV)

77-Ir-194m

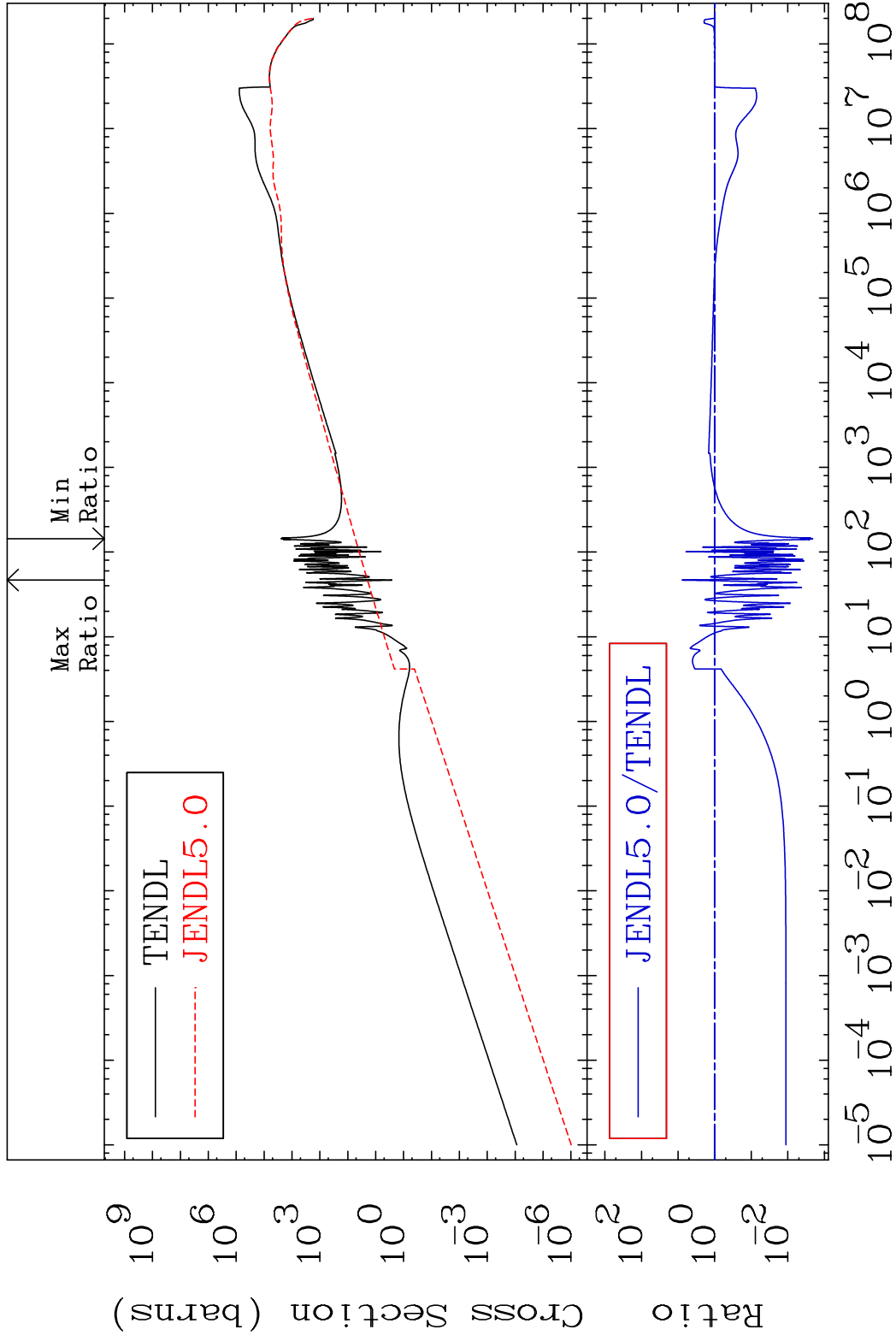
MAT 7735 Kerma total (eV-barns) 77-Ir-194m  
 Cross Section -99.99 To 1482. %



MAT 7735

Kerma elastic  
Cross Section

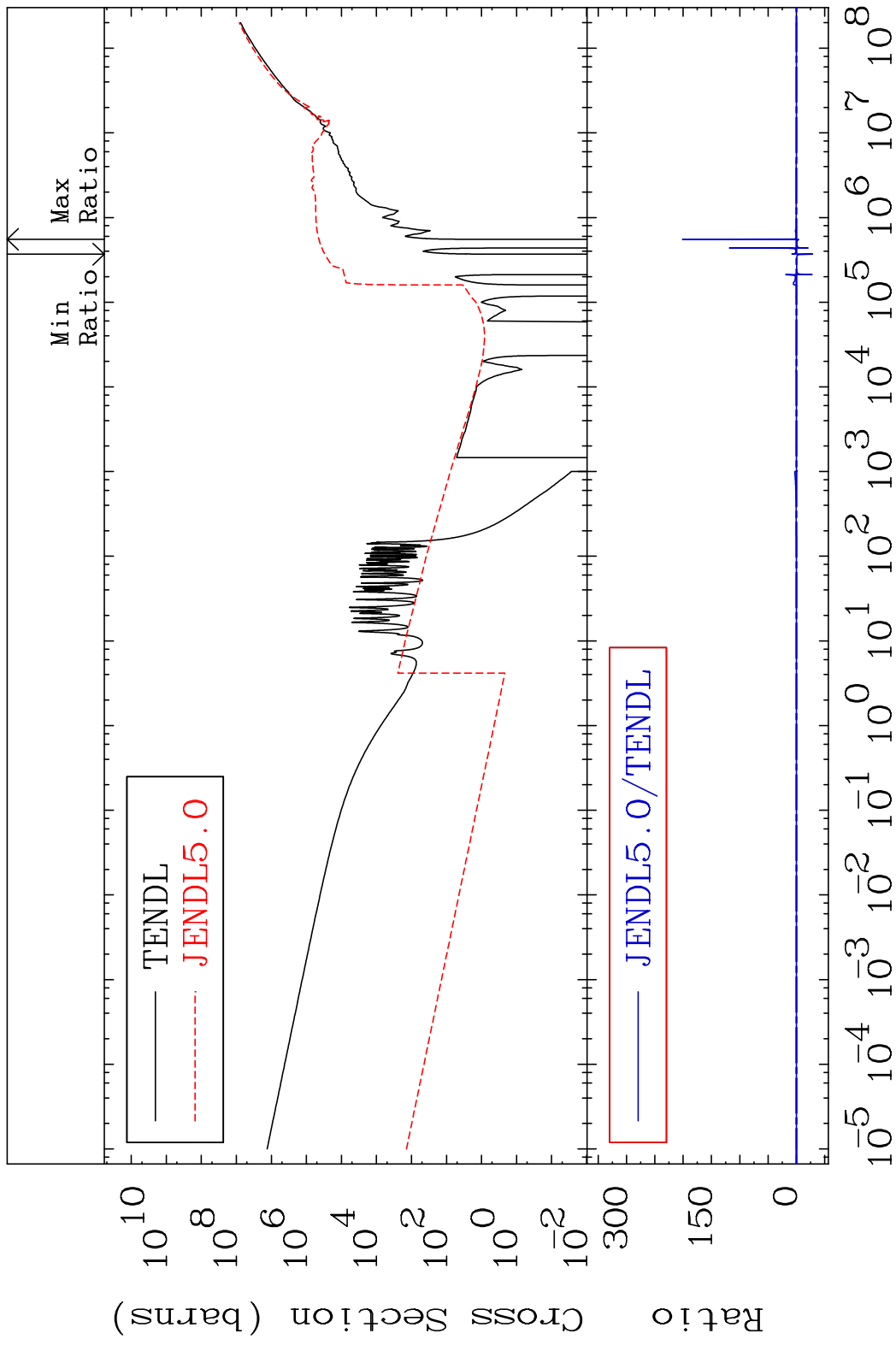
77-Ir-194m  
-99.79 To 663.0 %



29

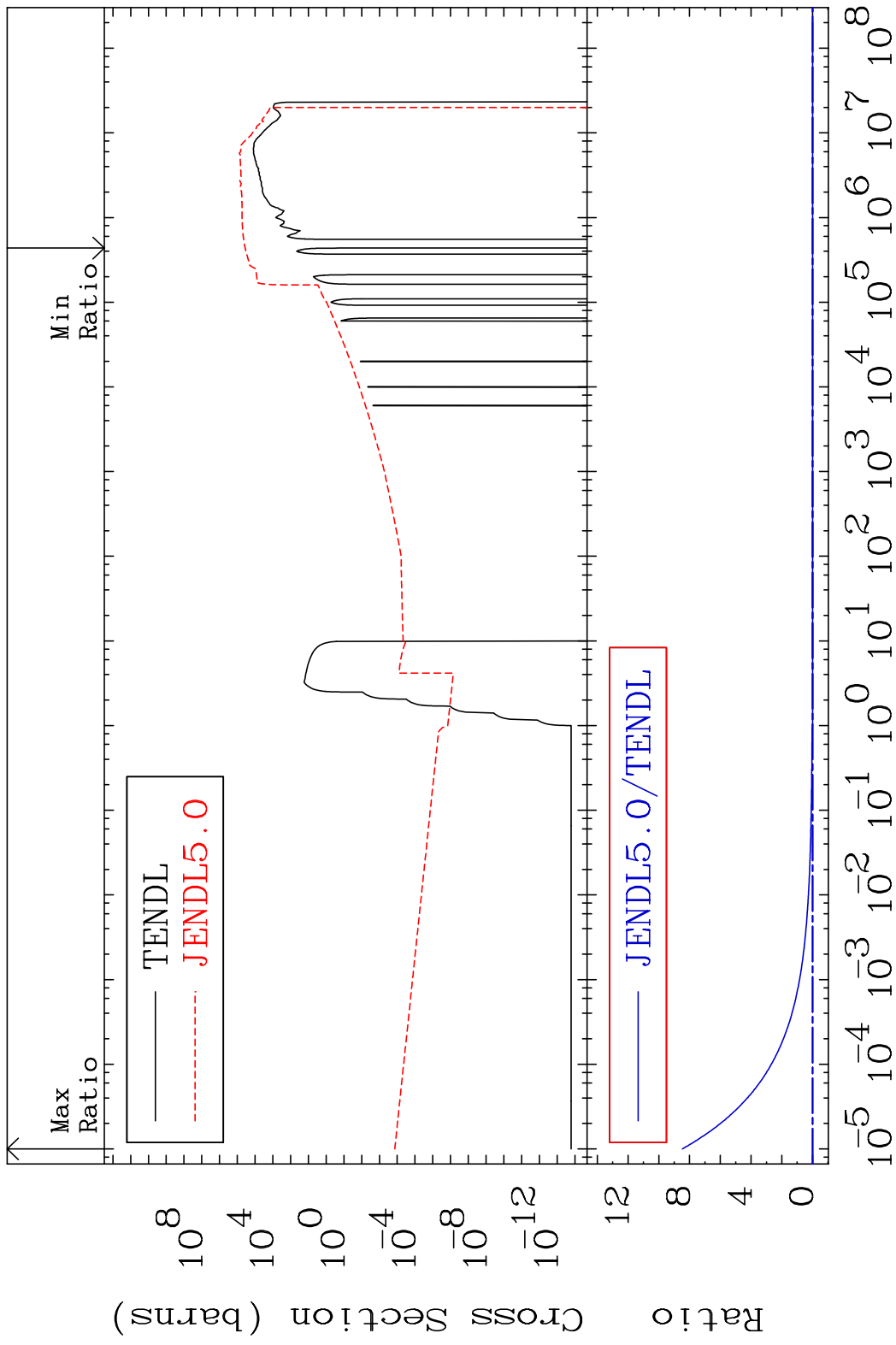
77-Ir-194m

MAT 7735 Kerma non-elastic (all but mt2) 77-Ir-194m  
 Cross Section -9999. To 9999. %



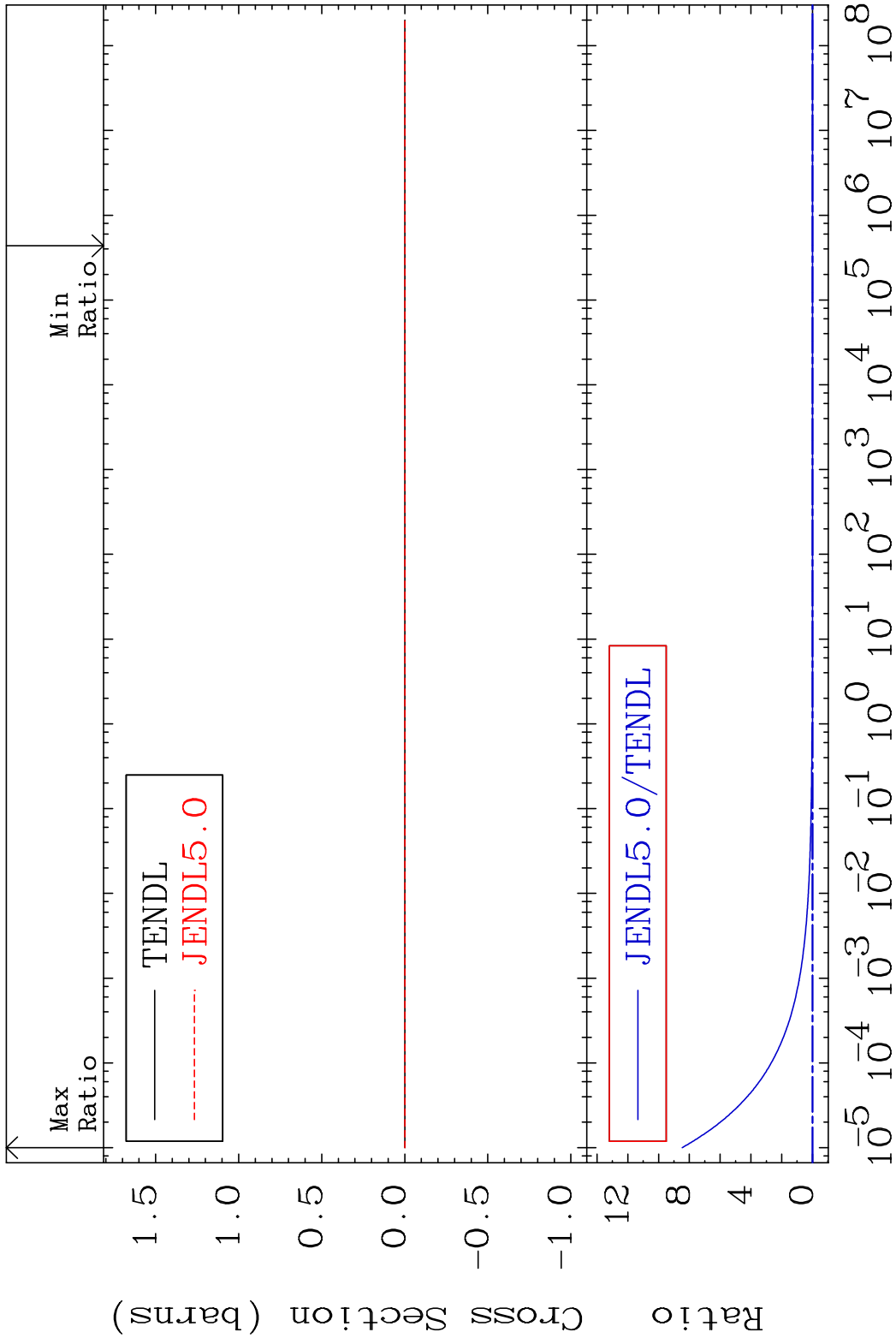
30 Incident Energy (eV) 77-Ir-194m

MAT 7735 Kerma inelastic (mt51-91) 77-Ir-194m  
 Cross Section -9999. To 9999. %

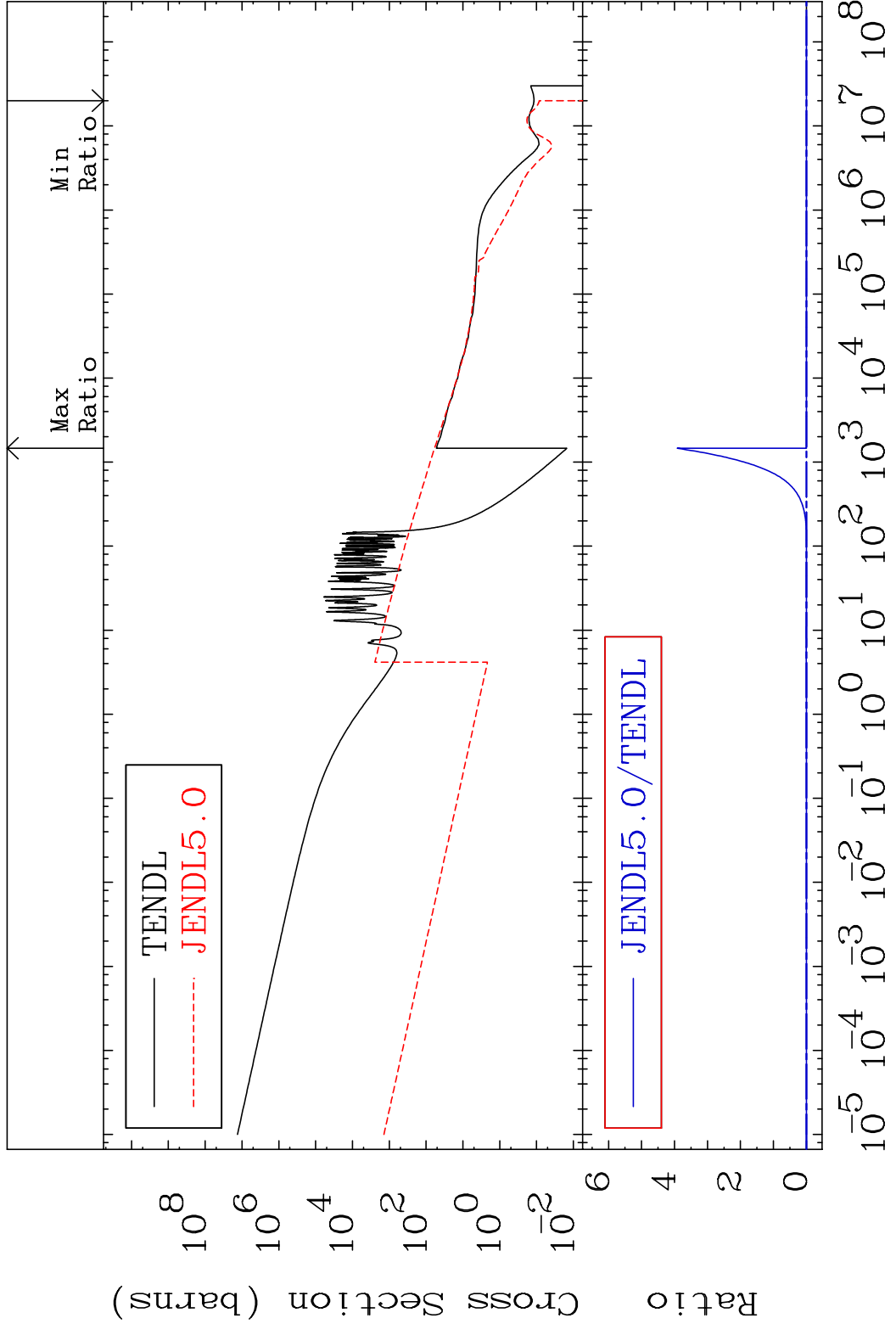




MAT 7735 Kerma fission (mt18 or mt19-20-21-38) $\gamma$ -Ir-194m  
 Cross Section -9999. To 9999. %

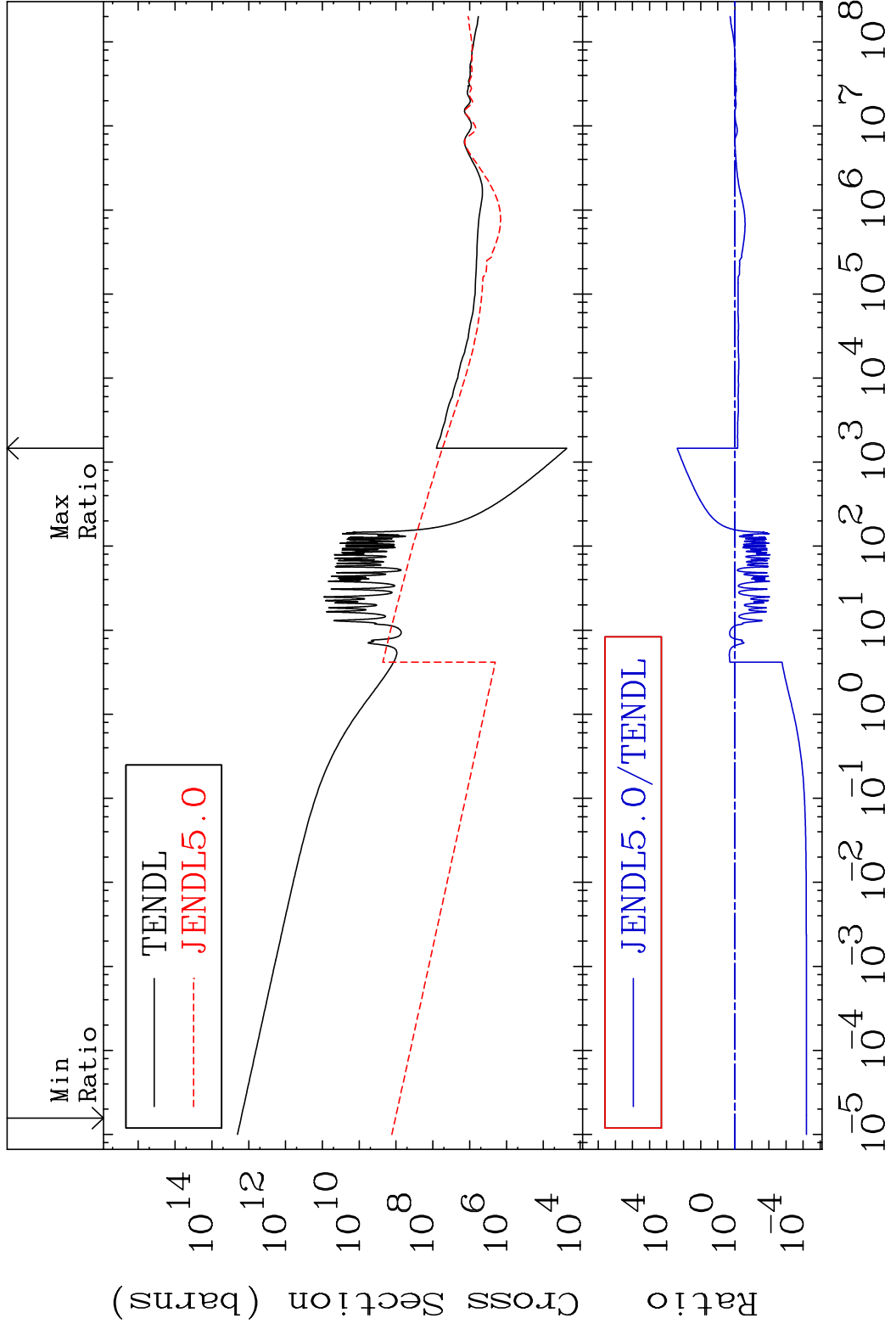


MAT 7735 Kerma capture (mt102) 77-Ir-194m  
 Cross Section -100.0 To 9999. %

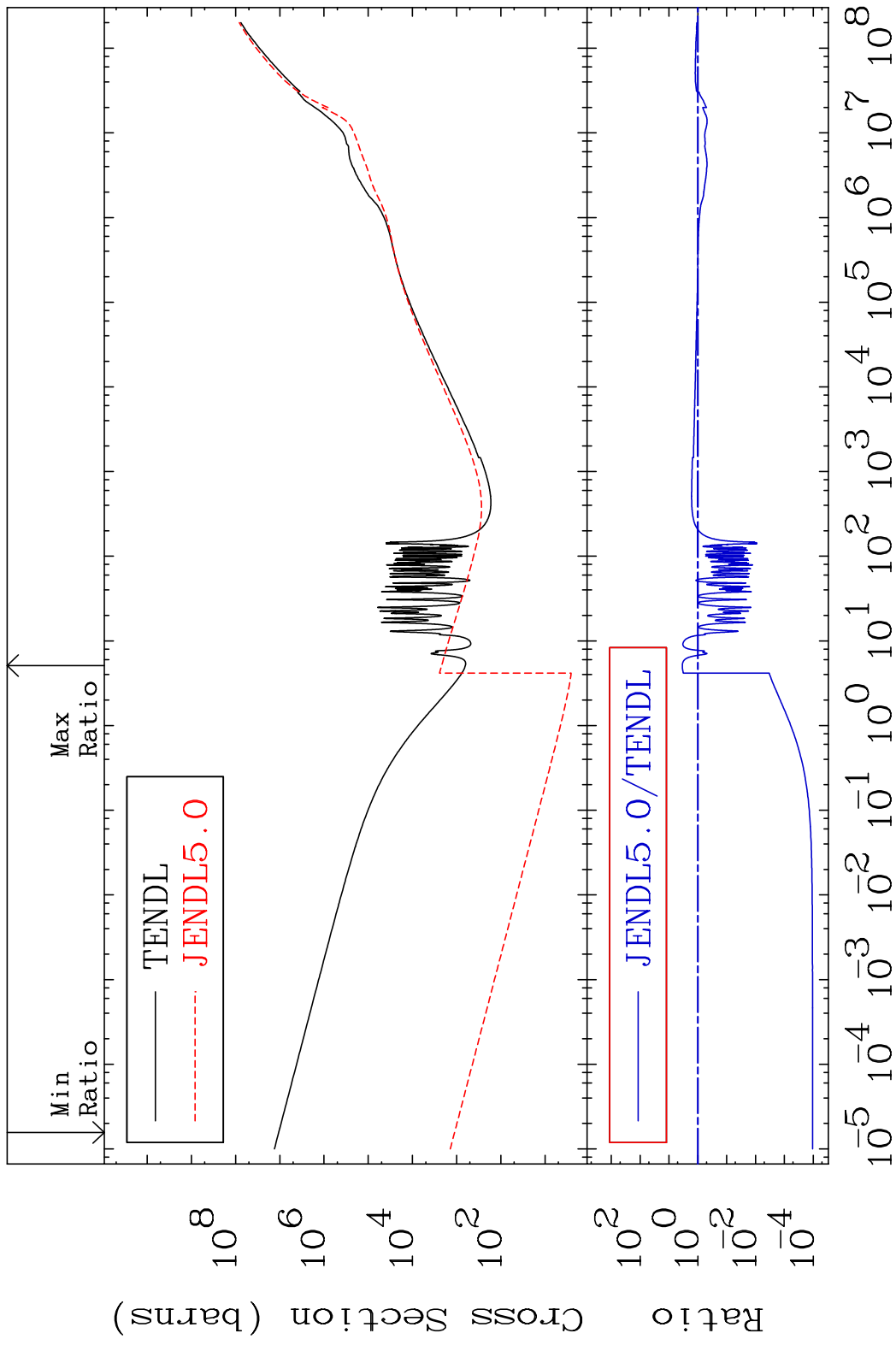


33 Incident Energy (eV) 77-Ir-194m

MAT 7735 Total photon (eV-barns) 77-Ir-194m  
 Cross Section -99.99 To 9999. %

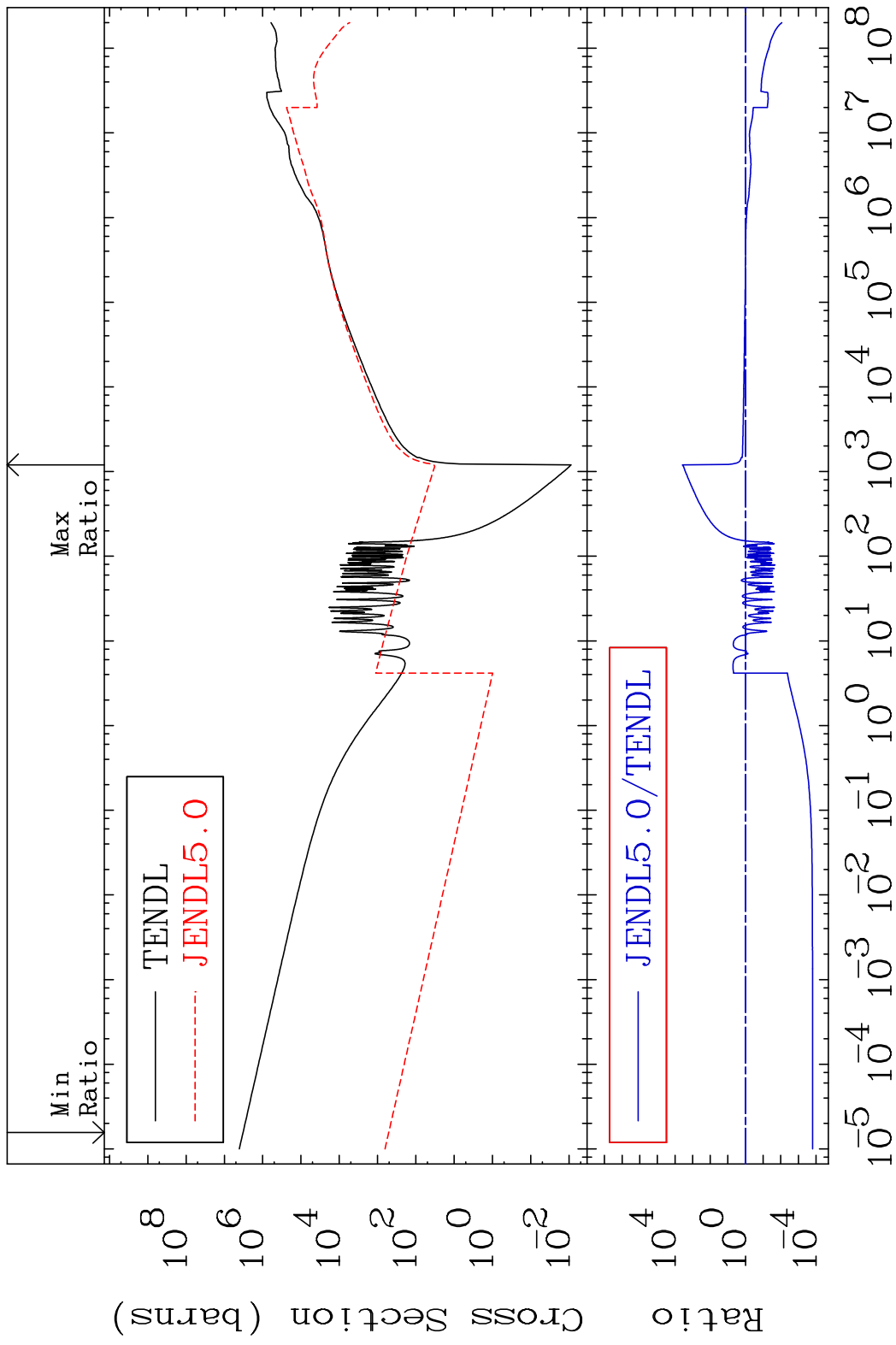


MAT 7735 Total kinematic kerma (high limit)77-Ir-194m  
 Cross Section -99.99 To 244.7 %



35 Incident Energy (eV) 77-Ir-194m

MAT 7735 Dpa total (eV-barns) 77-Ir-194m  
 Cross Section -99.98 To 9999. %

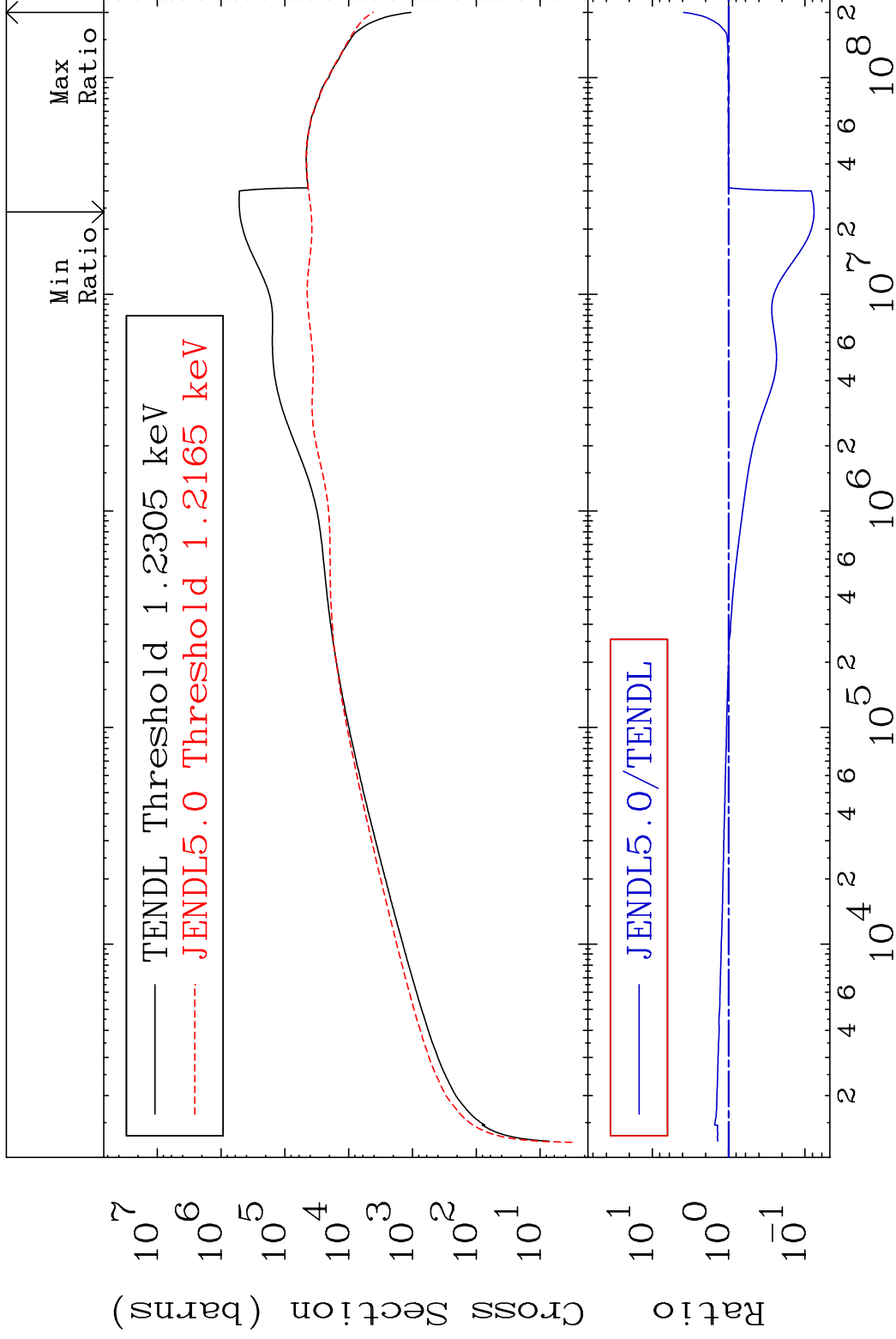


MAT 7735

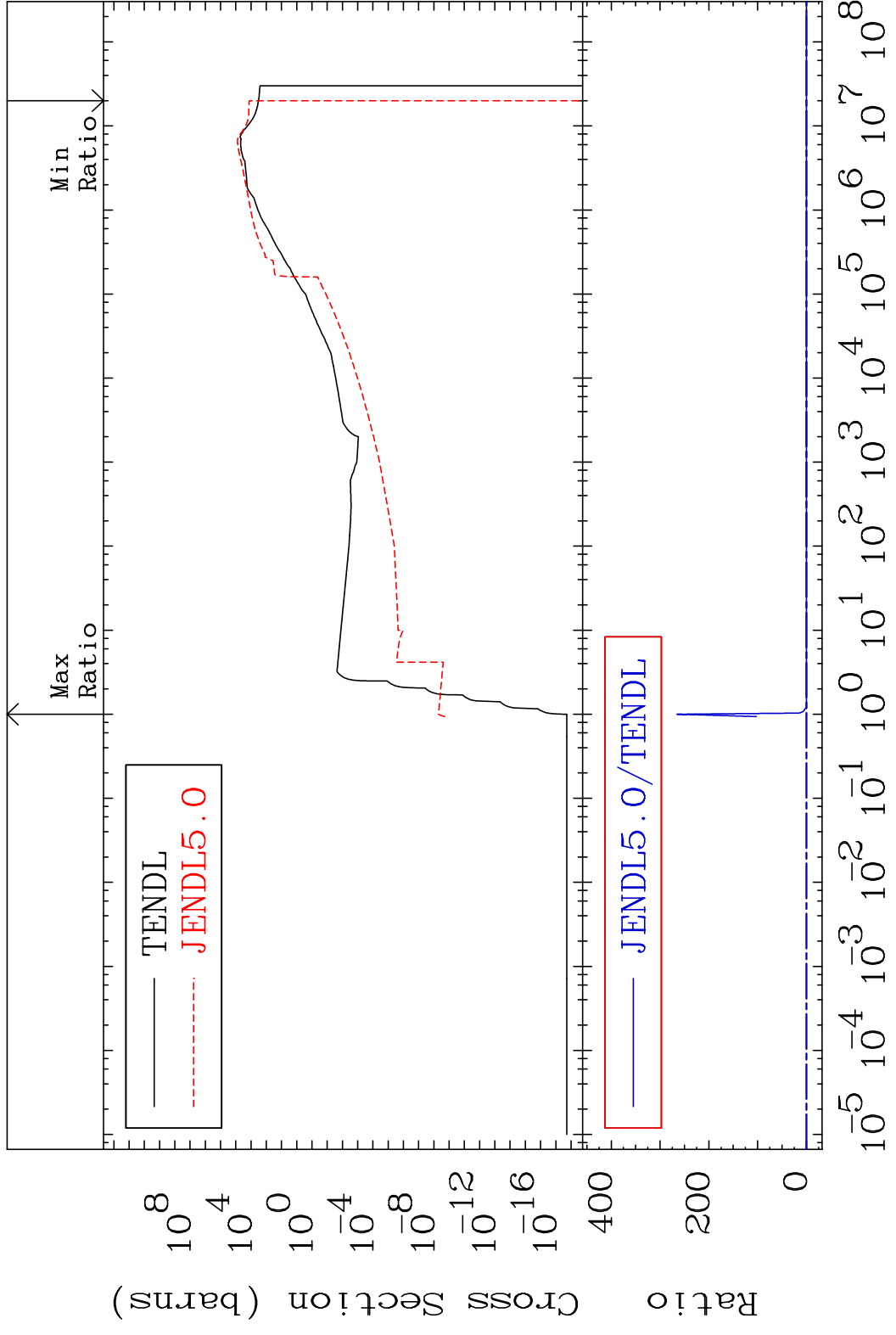
Dpa elastic (mt2)

77-Ir-194m

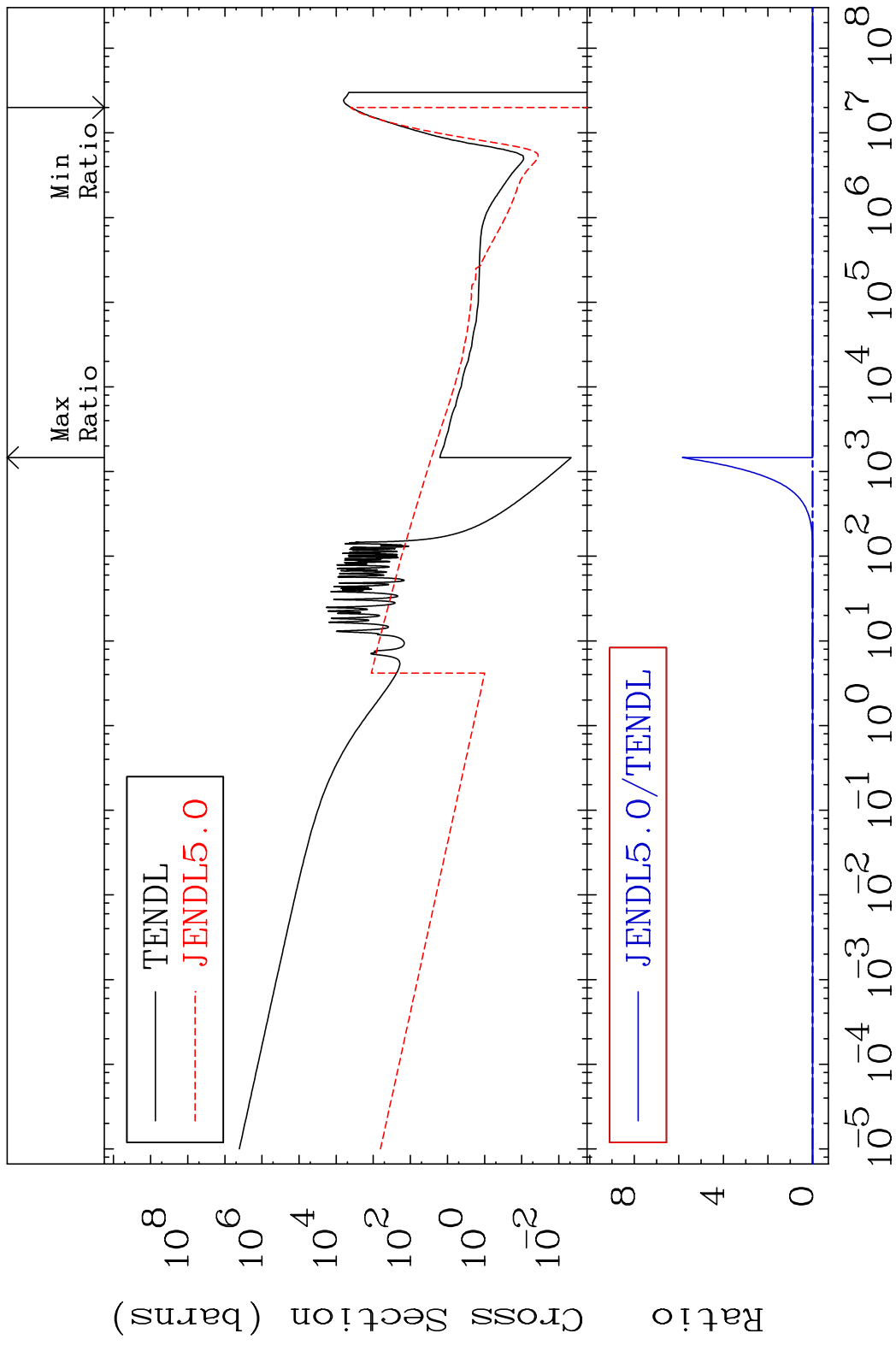
Cross Section -92.39 To 290.6 %



MAT 7735 Dpa inelastic (mt51-91) 77-Ir-194m  
 Cross Section -100.0 To 9999. %



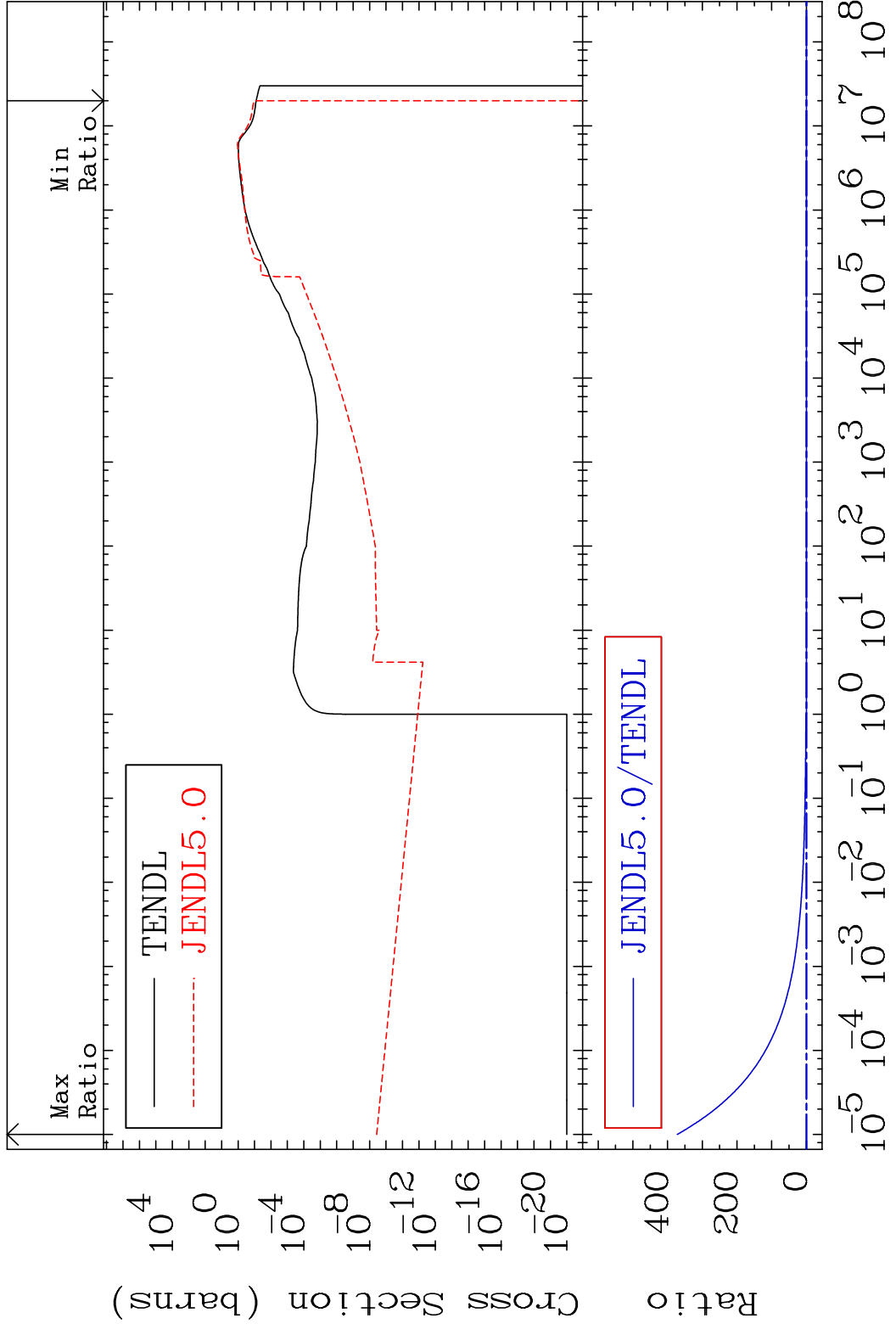
MAT 7735 Dpa disappearance (mt102 -120) 77-Ir-194m  
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 77-Ir-194m

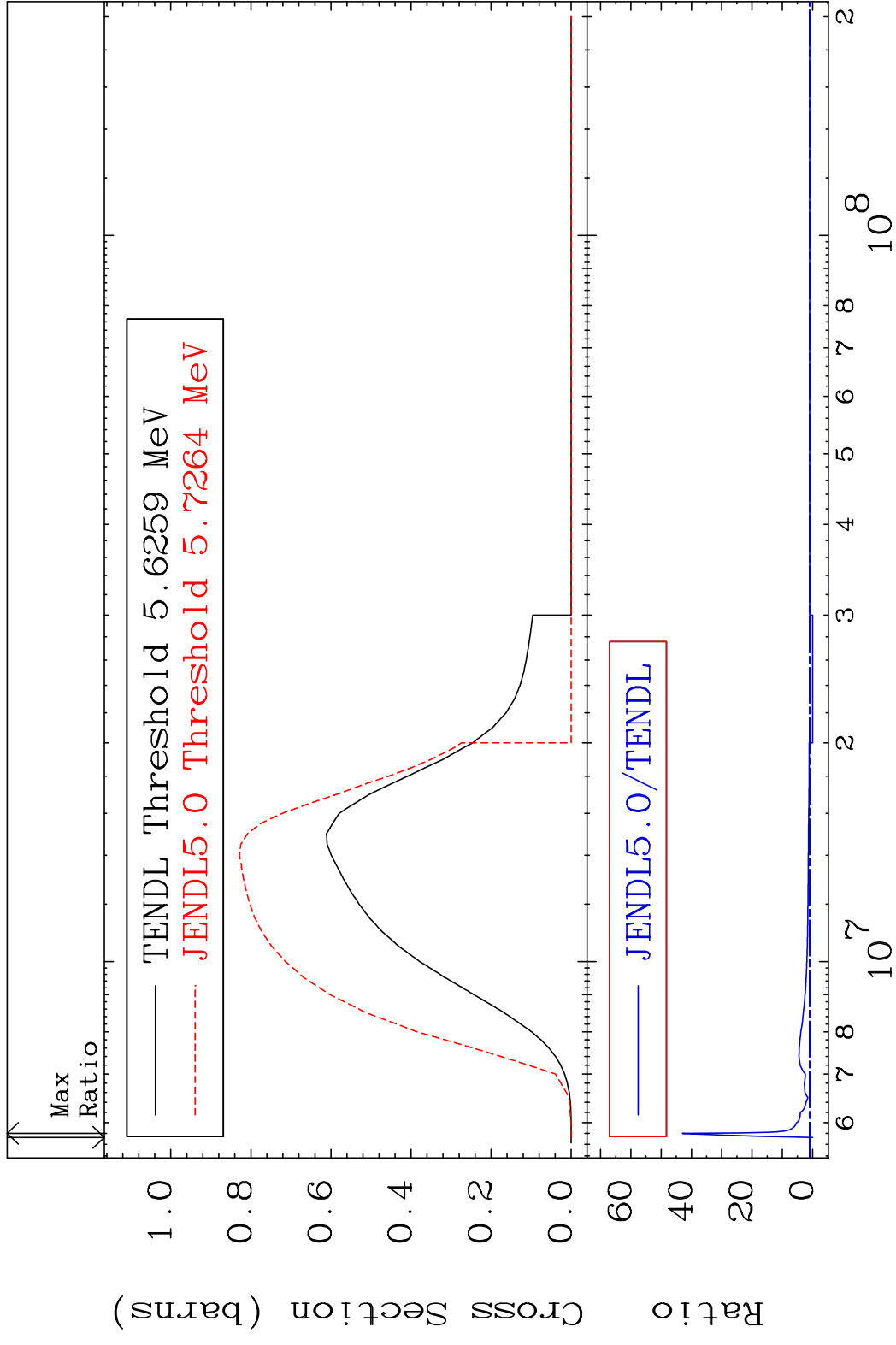


MAT 7735 Inelastic:77-Ir-194g 77-Ir-194m  
 Radionuclide Production Cross Section 9999. %

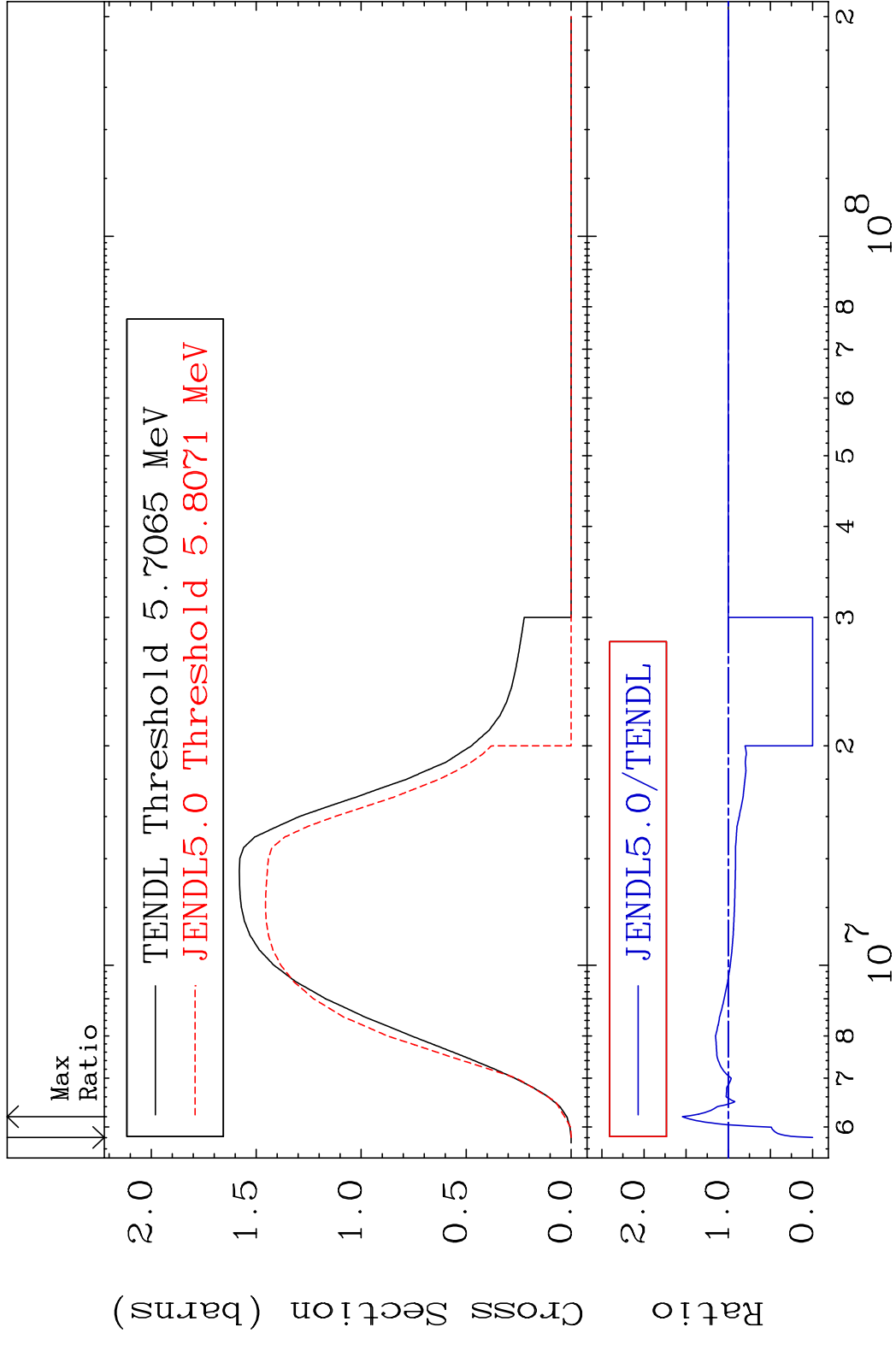


40 Incident Energy (eV) 77-Ir-194m

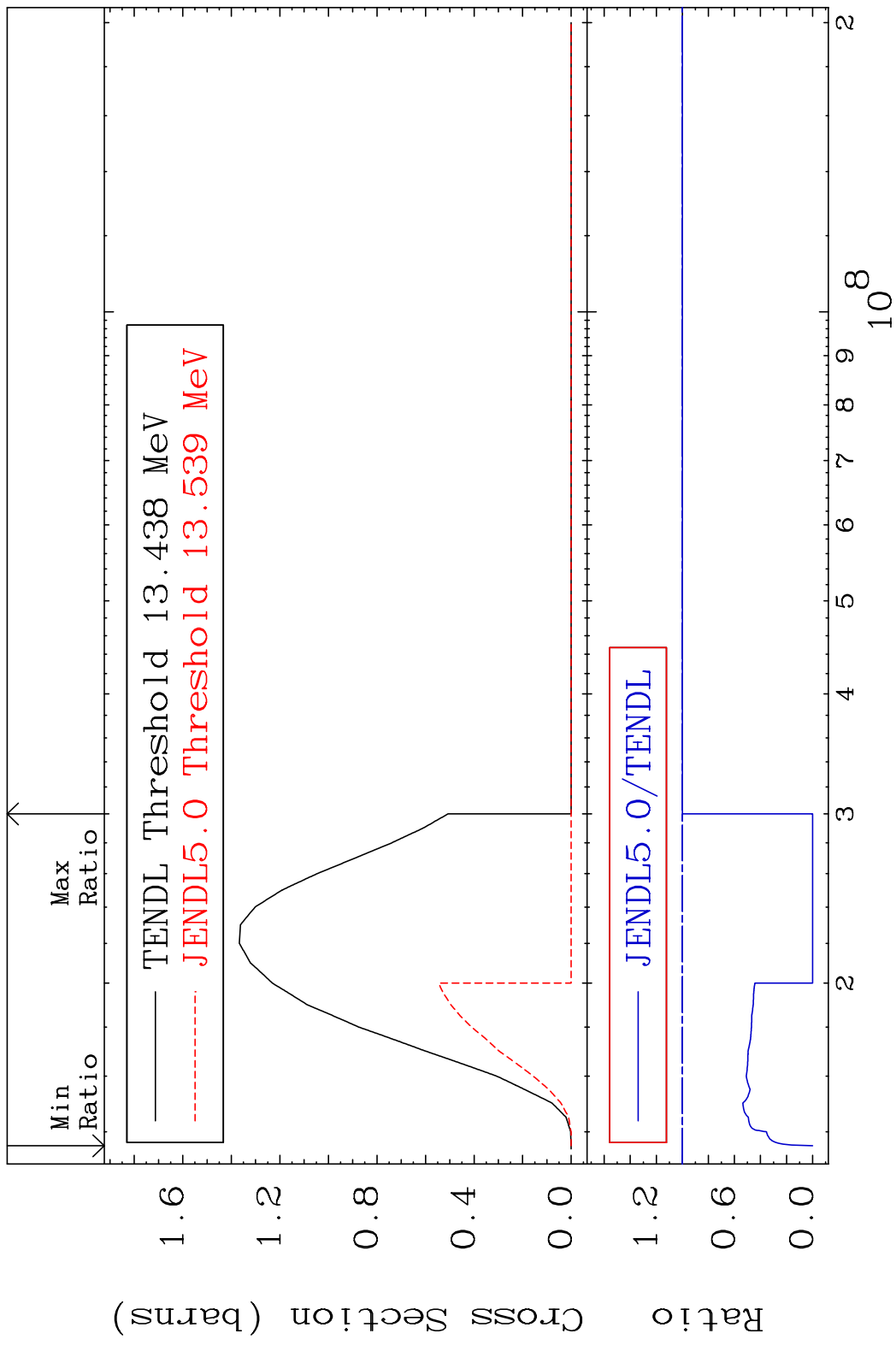
MAT 7735 (n,2n):77-Ir-193g 77-Ir-194m  
 Radionuclide Production Cross Section Ratio 4199. %

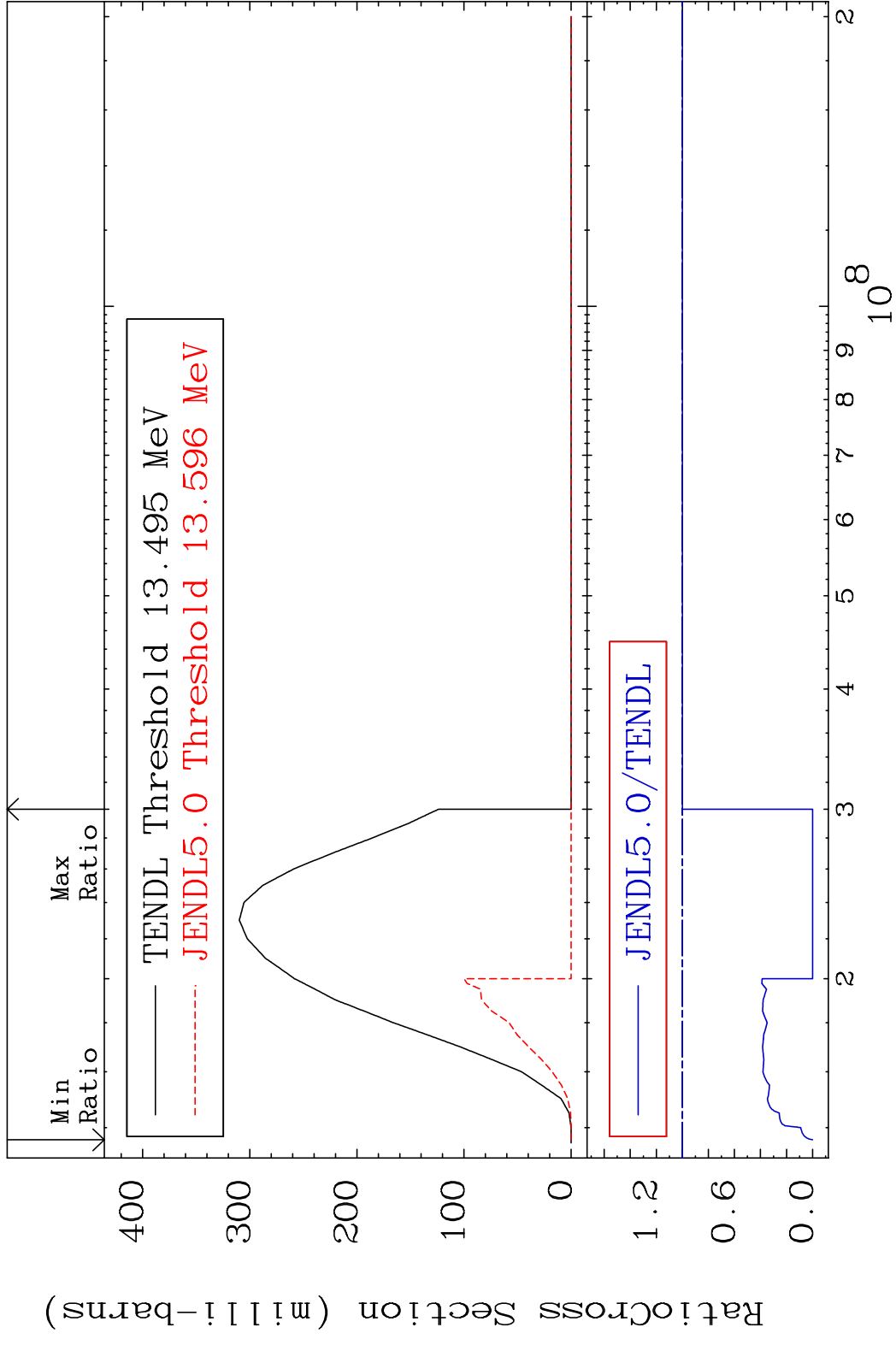


MAT 7735 (n,2n):77-Ir-193m2 77-Ir-194m  
 Radionuclide Production Cross Section Ratio 54.49 %

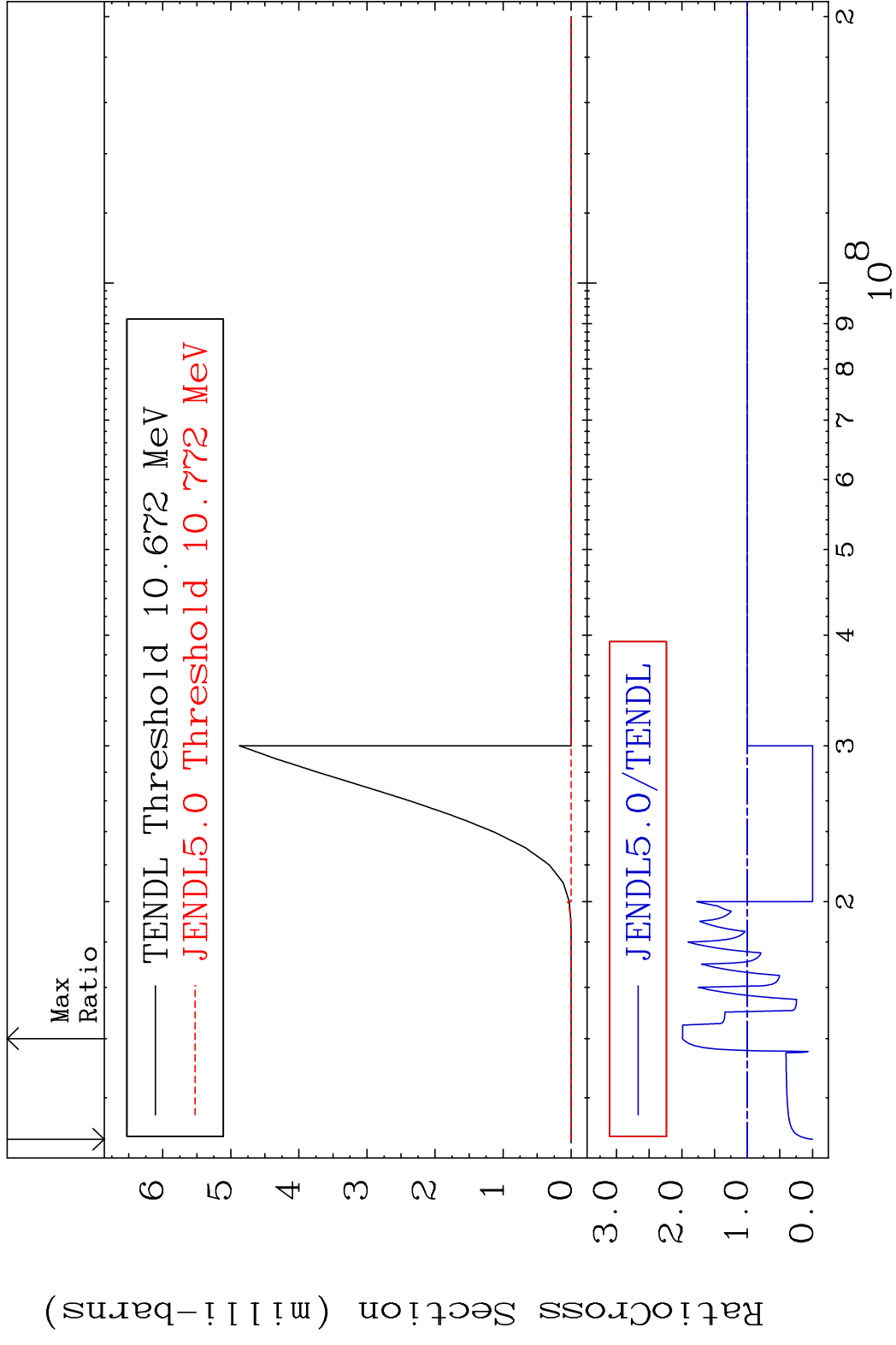


MAT 7735 (n,3n):77-Ir-192g 77-Ir-194m  
 Radionuclide Production Cross Section 180.00 dth 0.000 %





MAT 7735 (n, n') t:76-0s-191g 77-Ir-194m  
 Radionuclide Production Cross Section Ratio 99.19 %



MAT 7735 (n, n') t:76-0s-191m1 77-Ir-194m  
 Radionuclide Production Cross Section Ratio 2232. %

