

Program Complot  
(Version 2018-1)

by

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(Present Contact Information)

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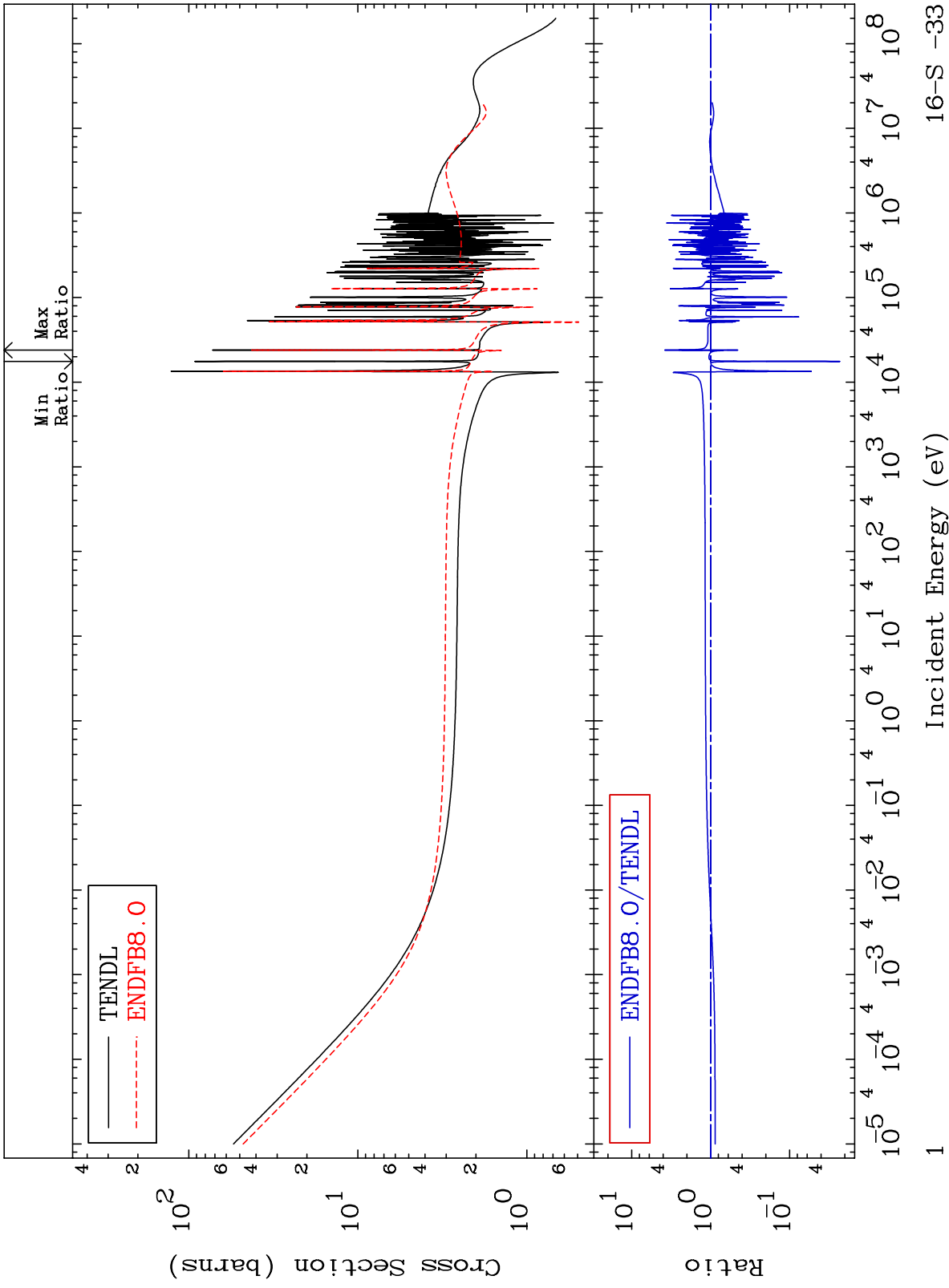
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 1628

Total  
Cross Section

16-S -33  
-97.69 To 281.5 %



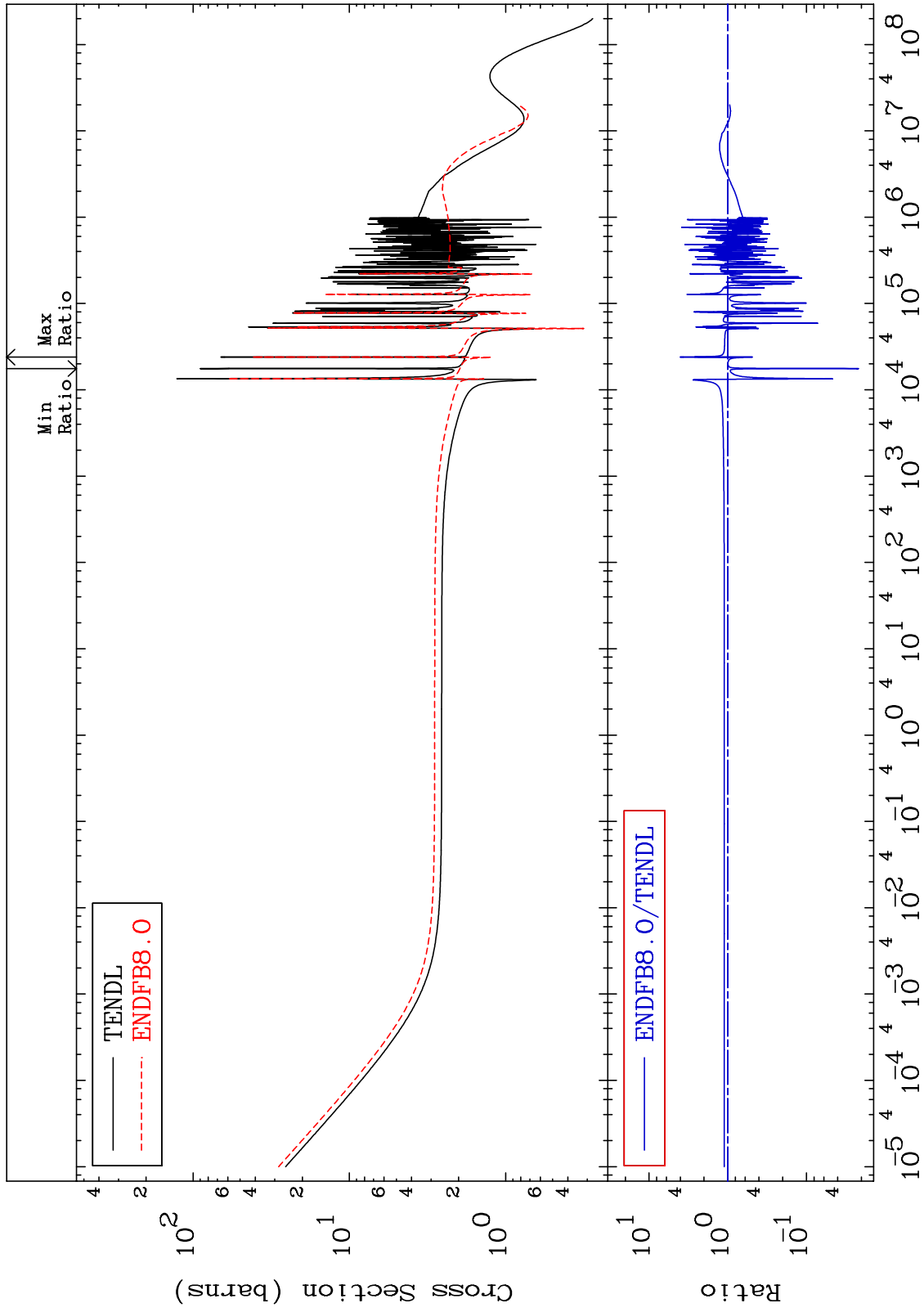
Incident Energy (eV)

16-S -33

MAT 1628

Elastic  
Cross Section

16-S -33  
-97.82 To 304.0 %



2

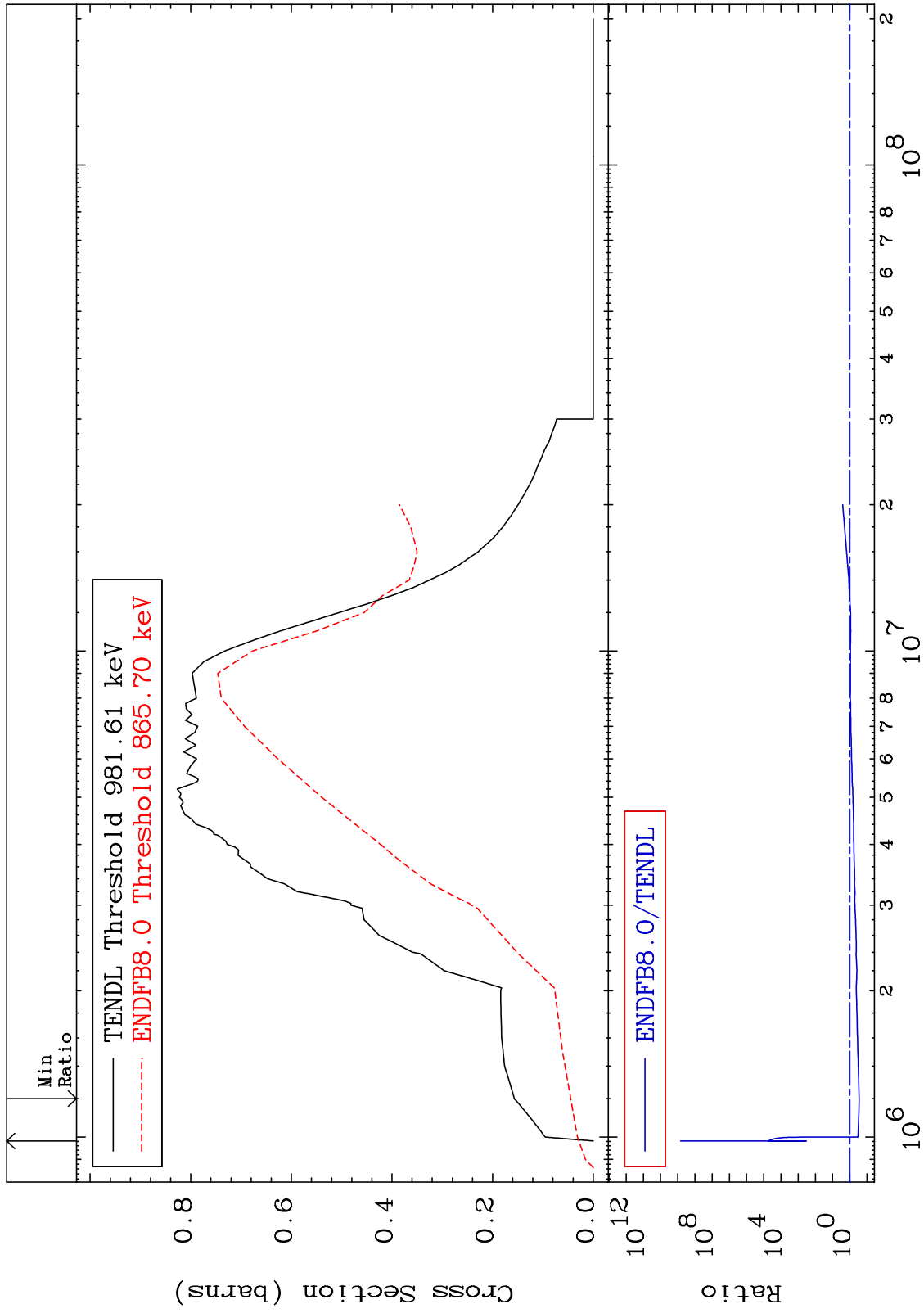
Incident Energy (eV)

16-S -33

MAT 1628

Inelastic  
Cross Section

16-S -33  
-71.48 To 9999. %



3

Incident Energy (eV)

16-S -33

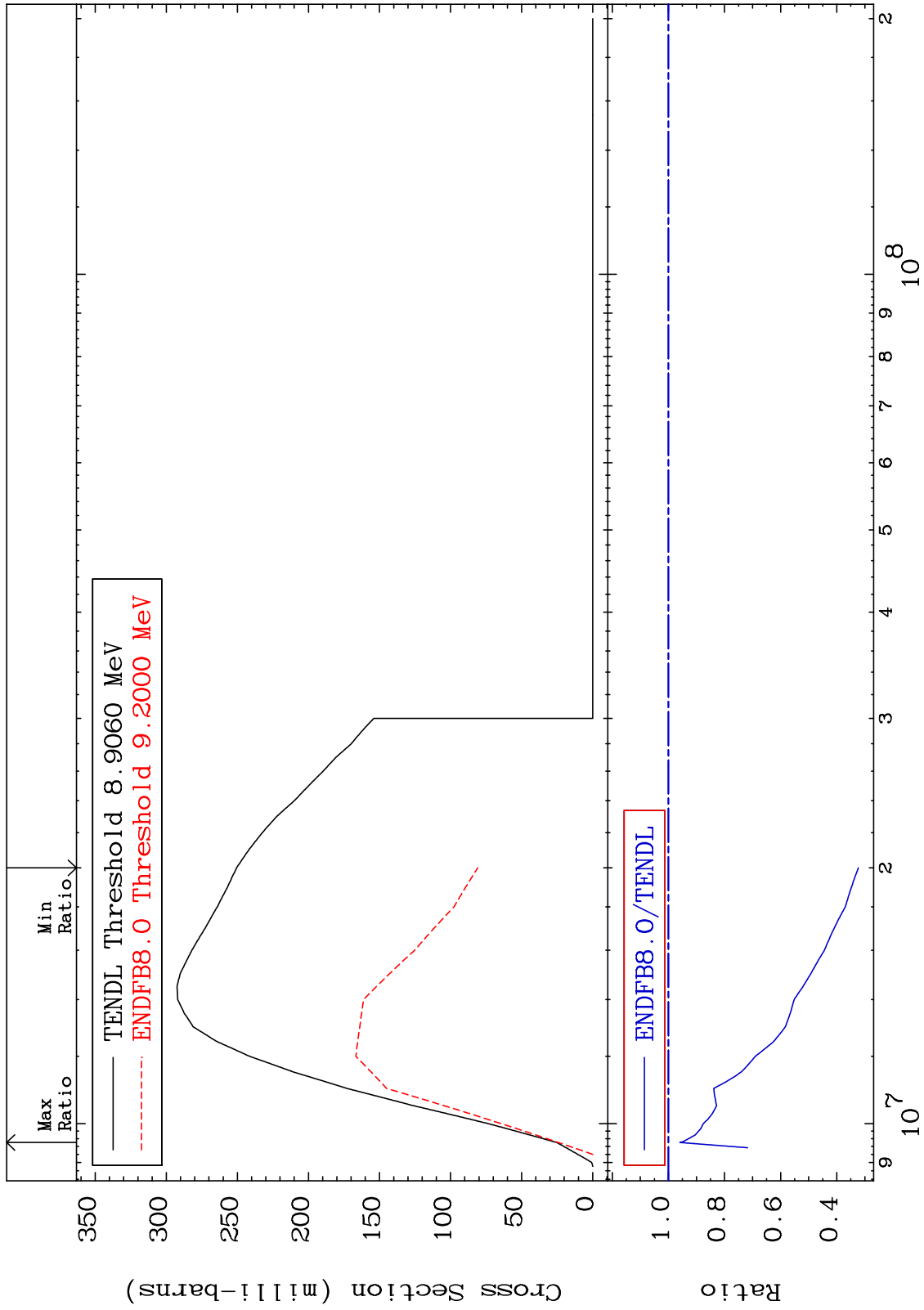
MAT 1628

(n,2n)

16-S -33

Cross Section

-67.72 To -4.147%



4

Incident Energy (eV)

16-S -33

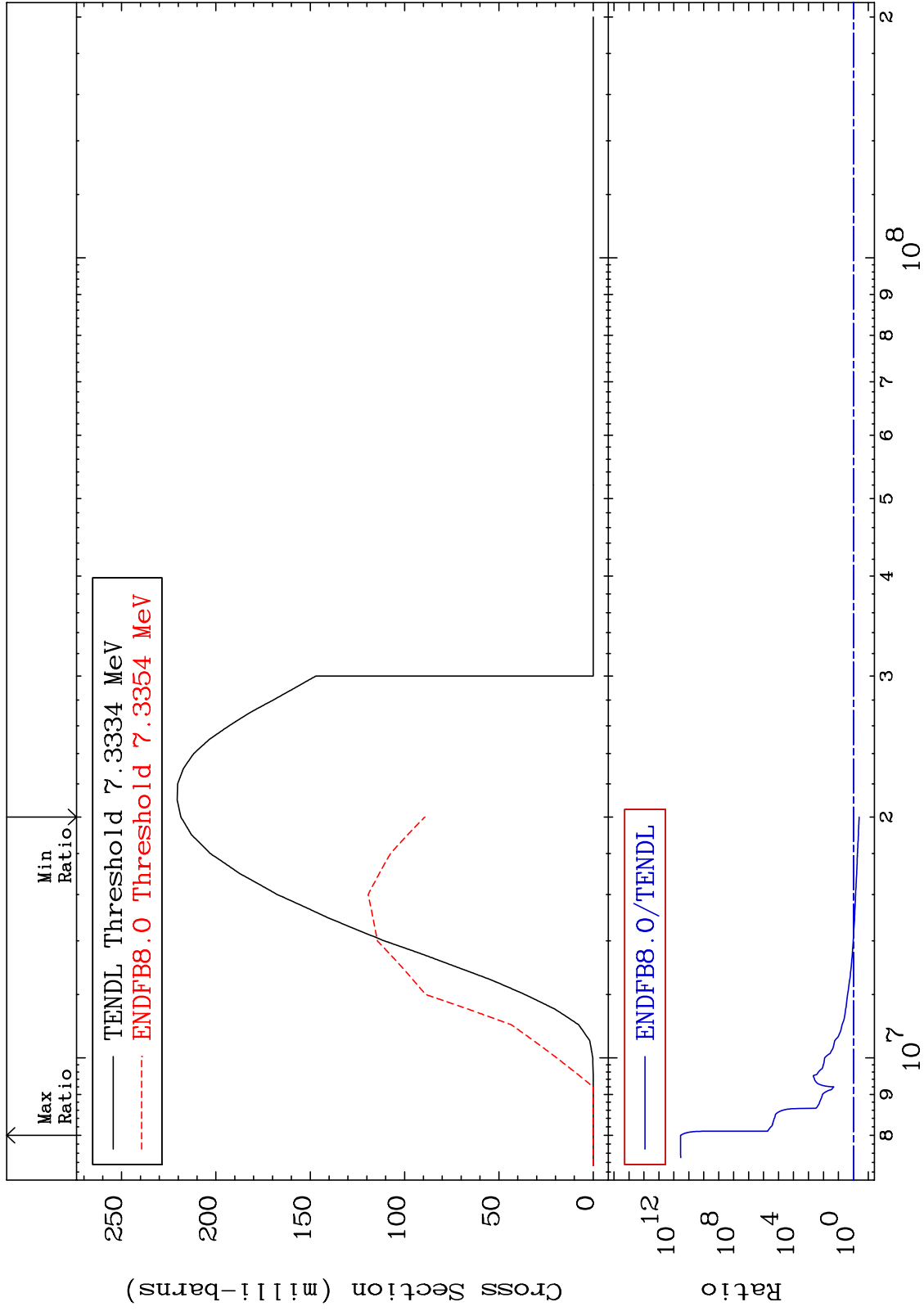
MAT 1628

(n,n')  $\alpha$

16-S -33

Cross Section

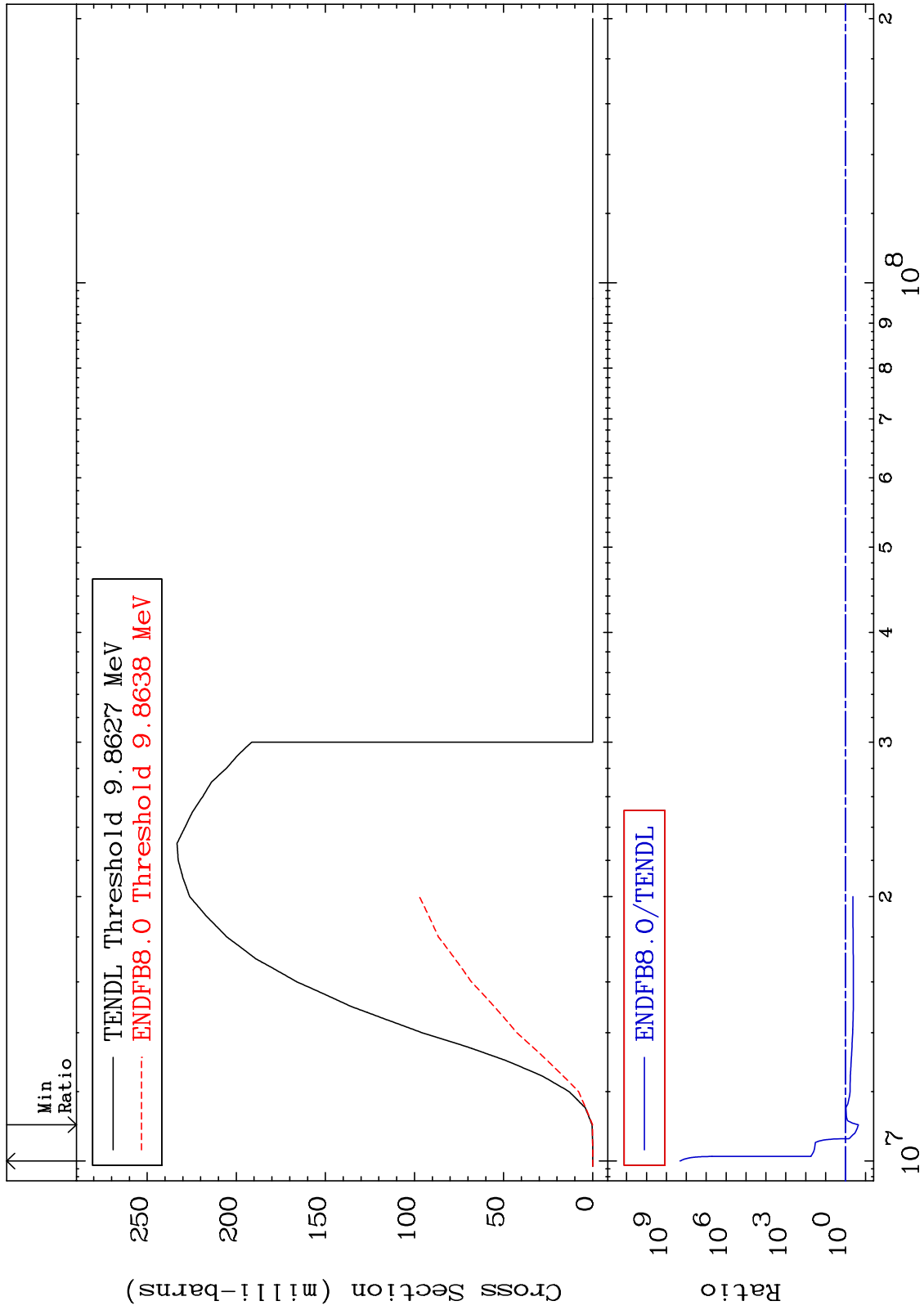
-59.18 To 9999. %



MAT 1628

(n,n') p  
Cross Section

16-S -33  
-77.35 To 9999. %



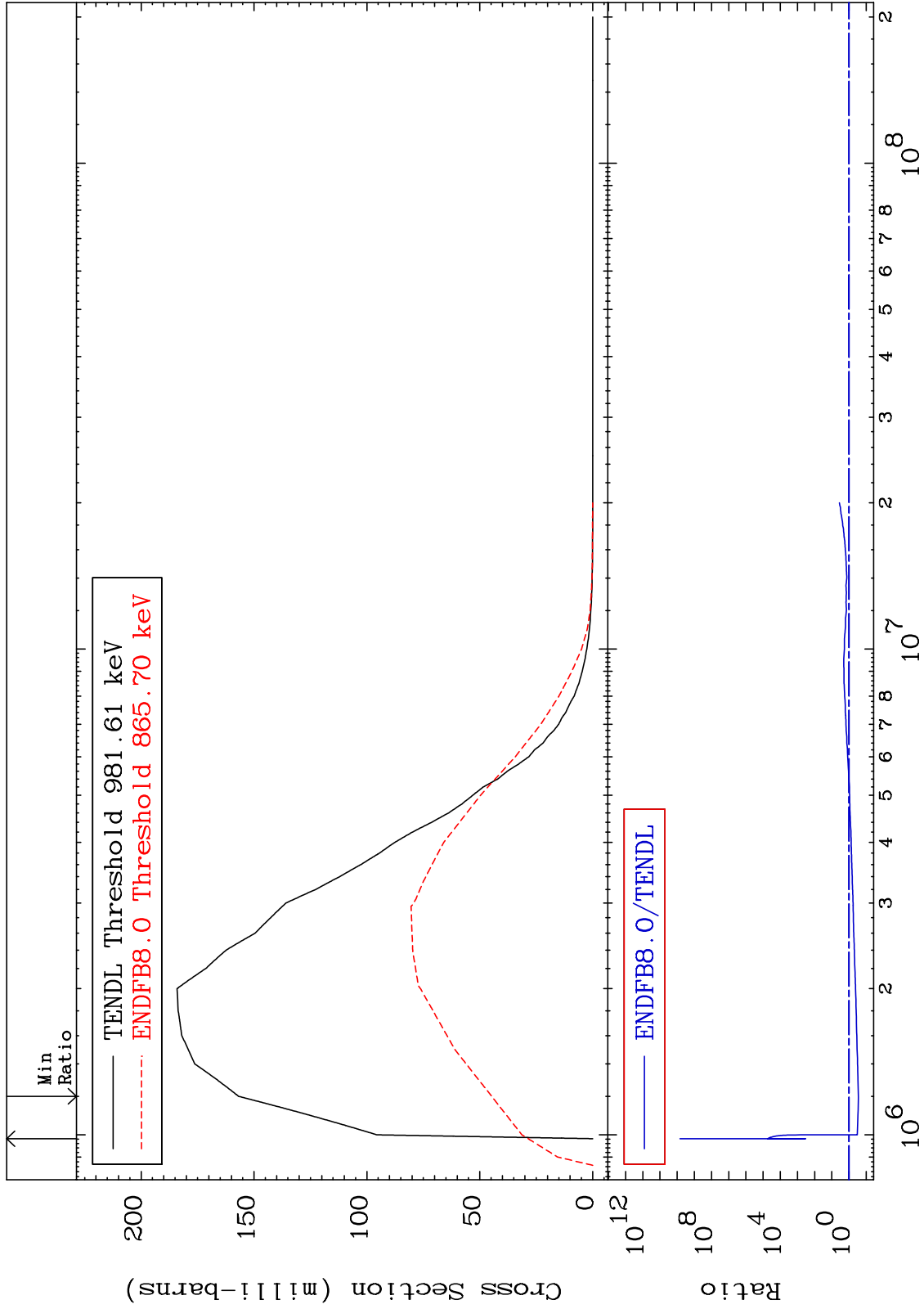
16-S -33

Incident Energy (eV)

MAT 1628

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

16-S -33  
-71.48 To 9999. %



7

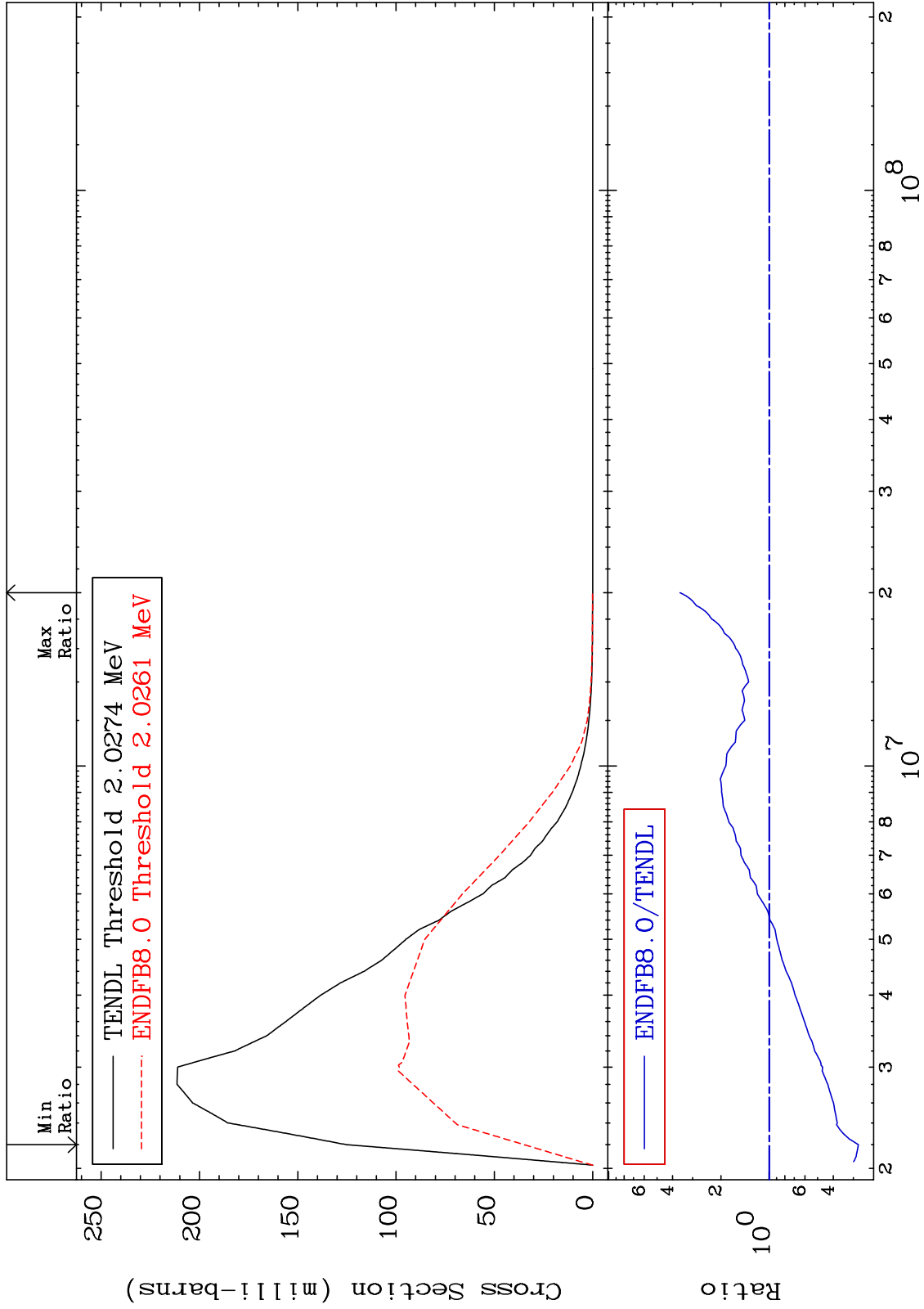
16-S -33



MAT 1628

MT= 52 (n,n') Level  
Cross Section

16-S -33  
-72.14 To 259.3 %



8

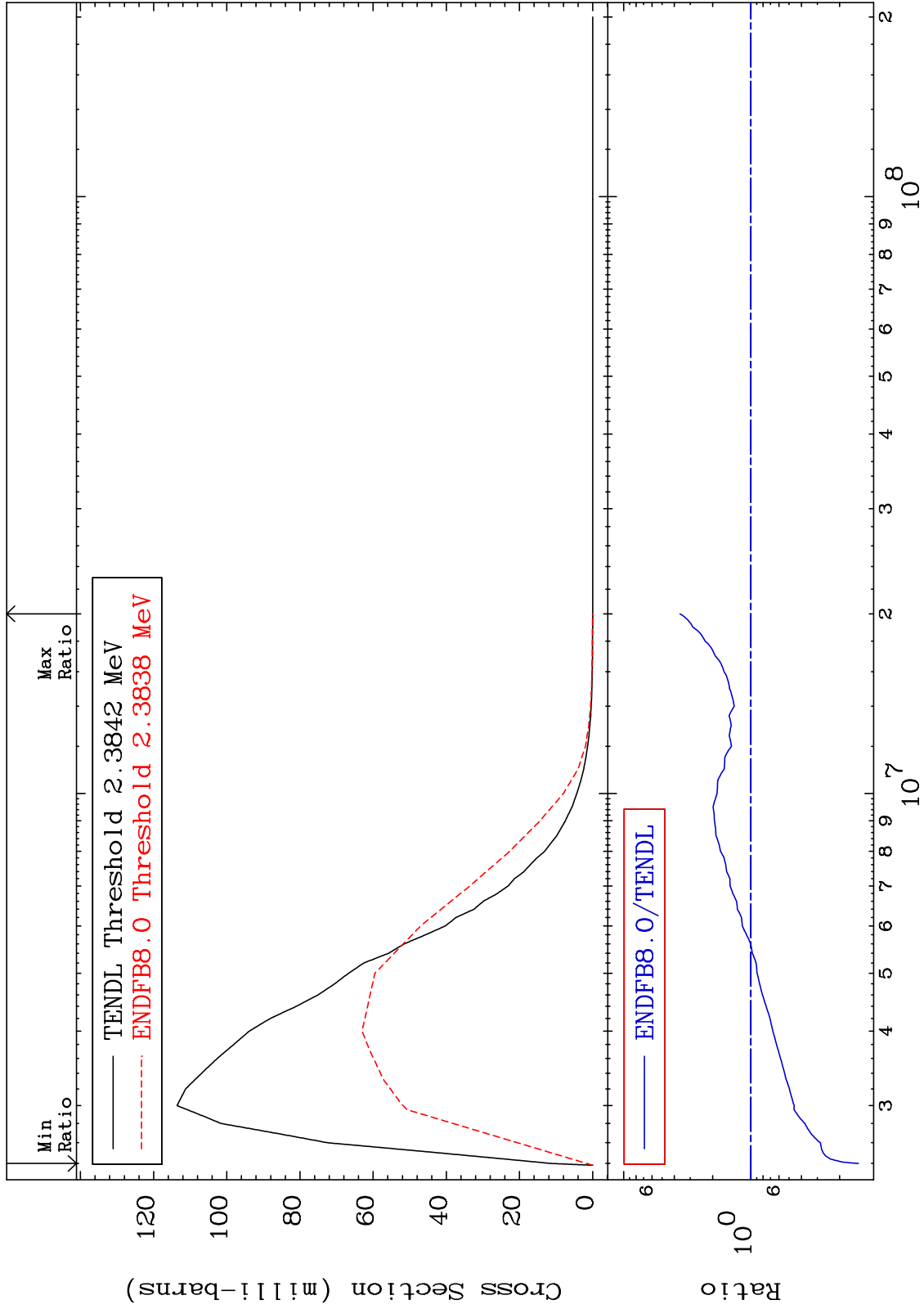
Incident Energy (eV)

16-S -33

MAT 1628

MT= 53 (n,n') Level  
Cross Section

16-S -33  
-85.76 To 260.7 %

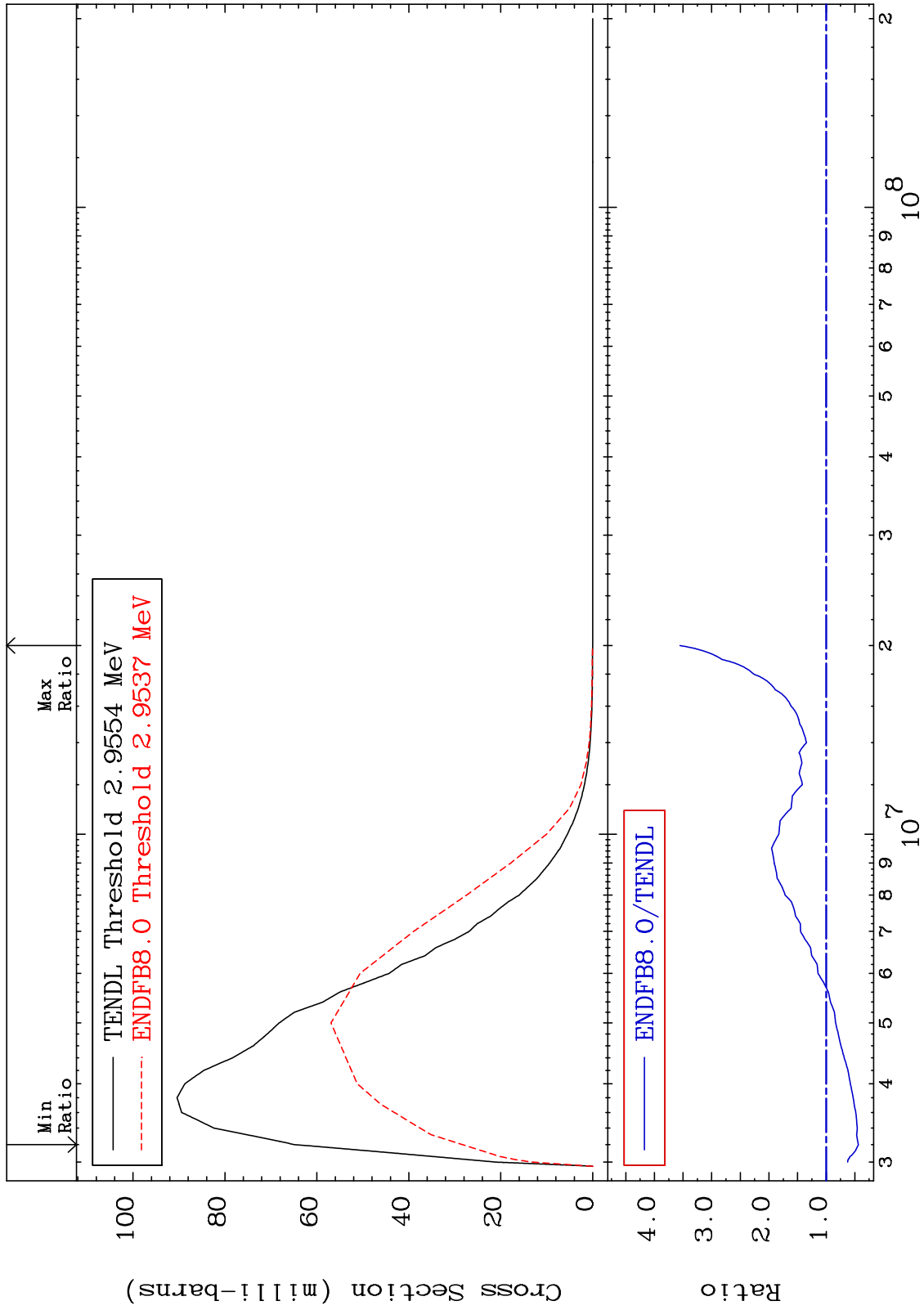


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Incident Energy (eV)

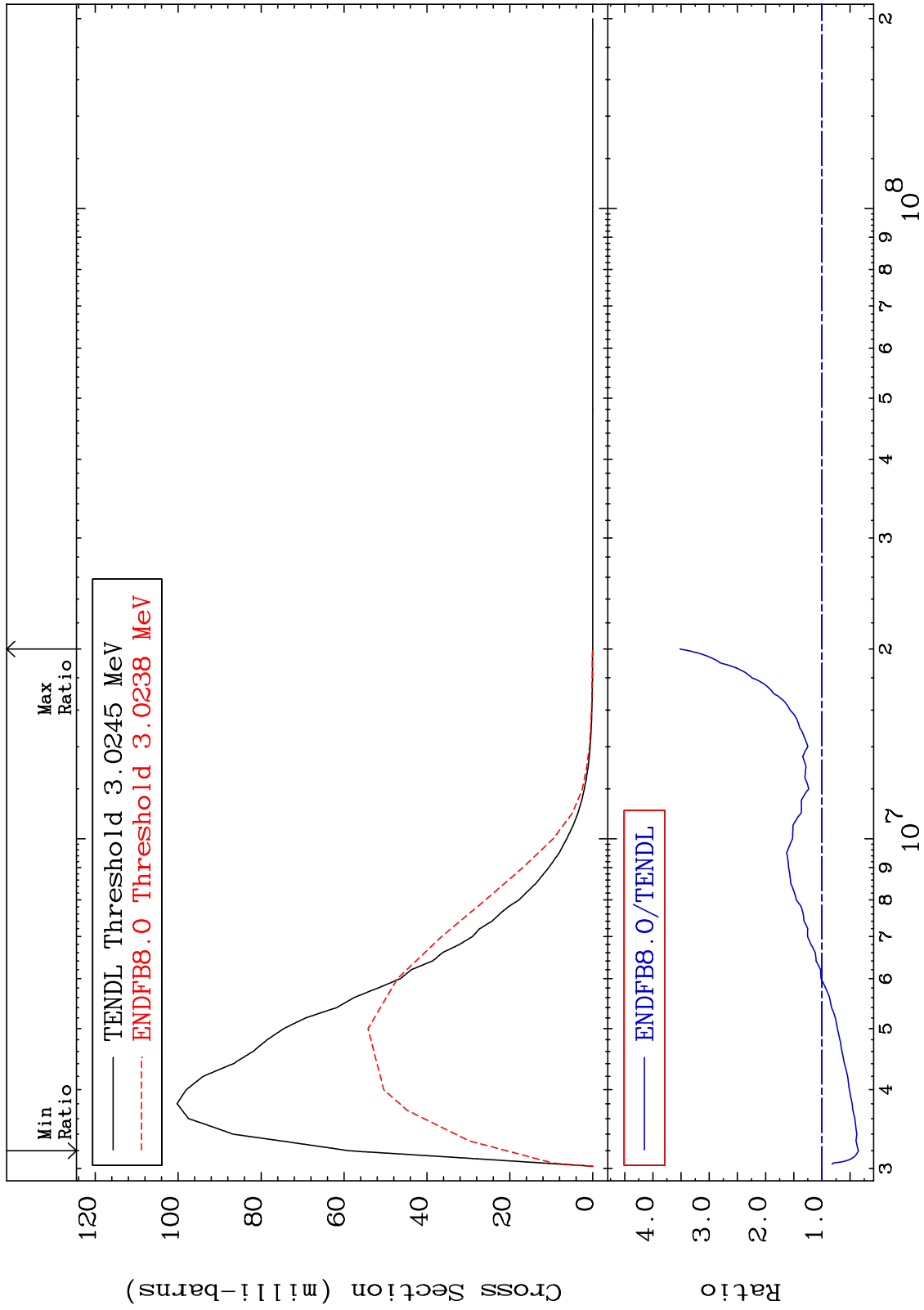
16-S -33

MAT 1628 MT= 54 (n,n') Level Cross Section 16-S -33  
 -56.26 To 255.3 %



10 16-S -33

MAT 1628 MT= 55 (n,n') Level  
 Cross Section 16-S -33  
 -64.68 To 251.8 %



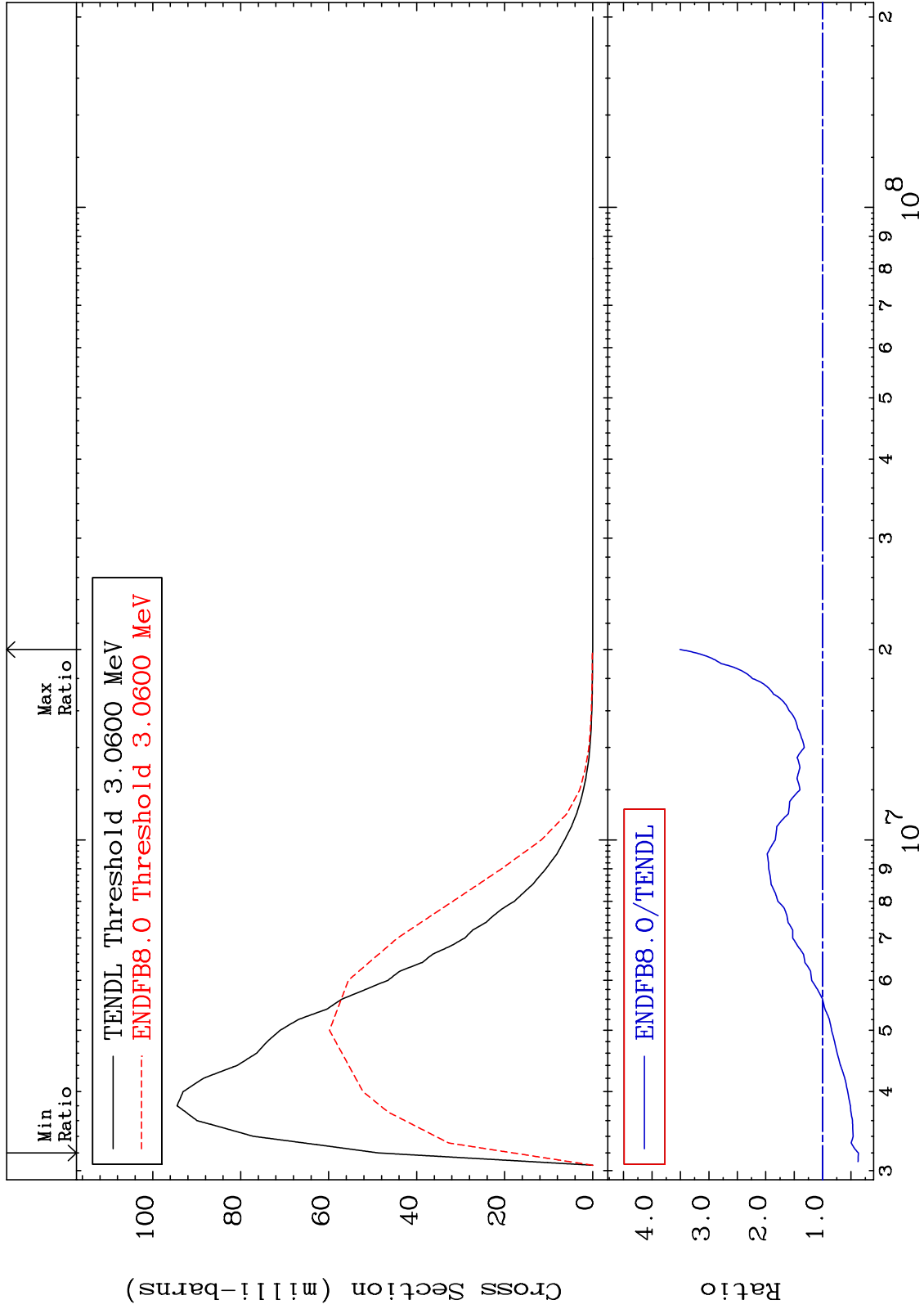
16-S -33

Incident Energy (eV)

MAT 1628

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

16-S -33  
-62.94 To 250.7 %



12

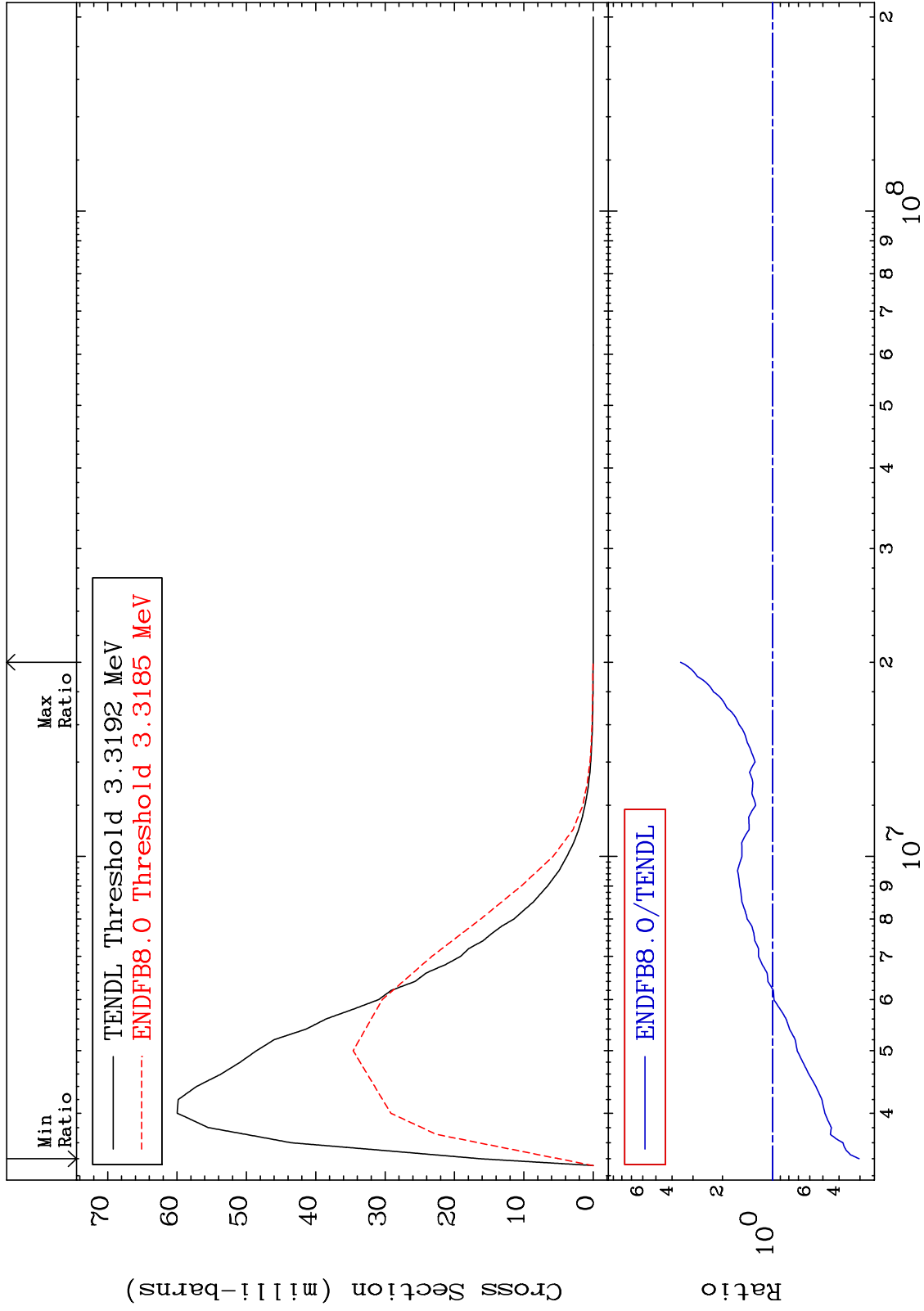
Incident Energy (eV)

16-S -33

MAT 1628

MT= 57 (n,n') Level  
Cross Section

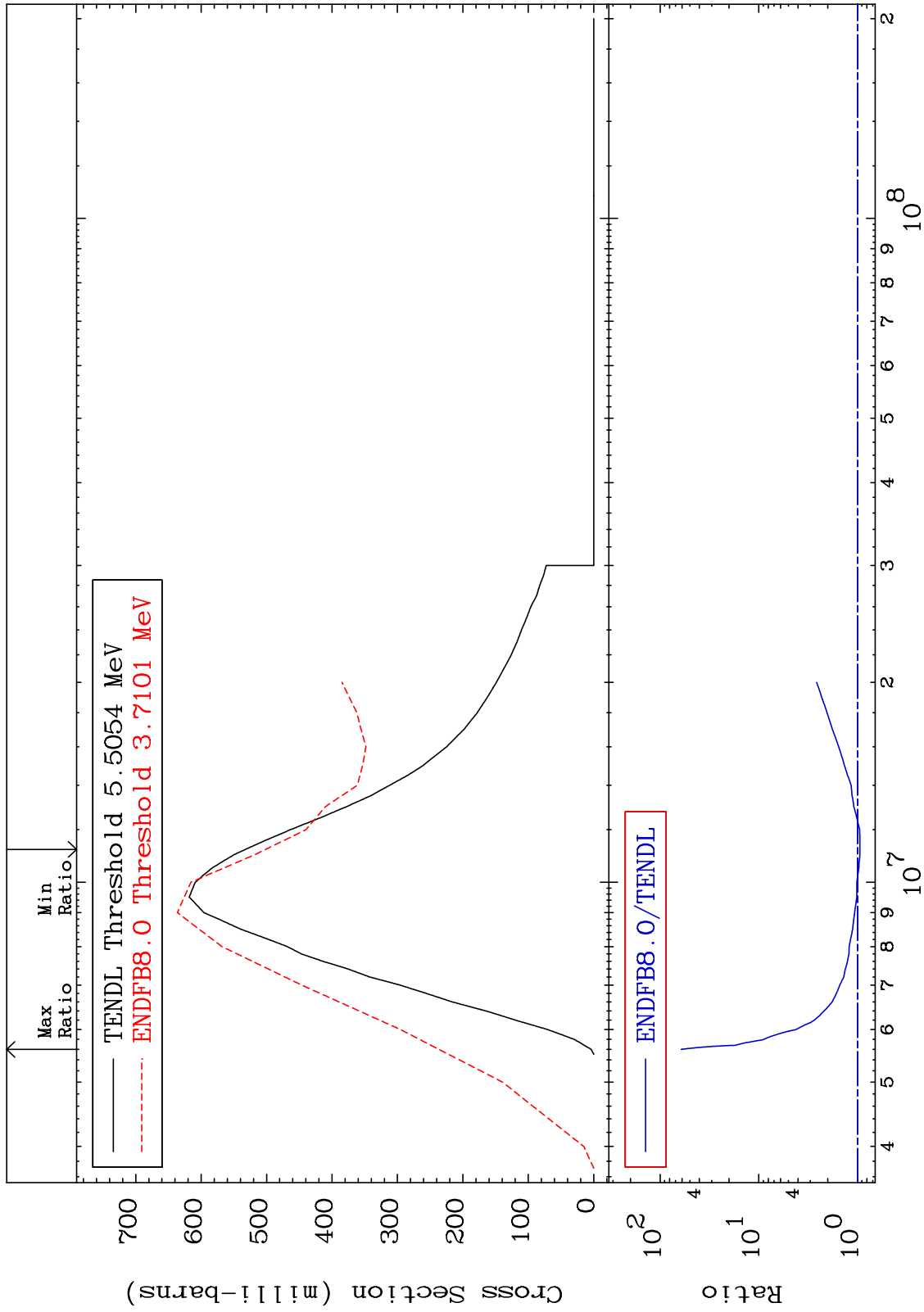
16-S -33  
-69.66 To 255.7 %



MAT 1628

(n, n') Continuum  
Cross Section

16-S -33  
-5.769 To 6006. %



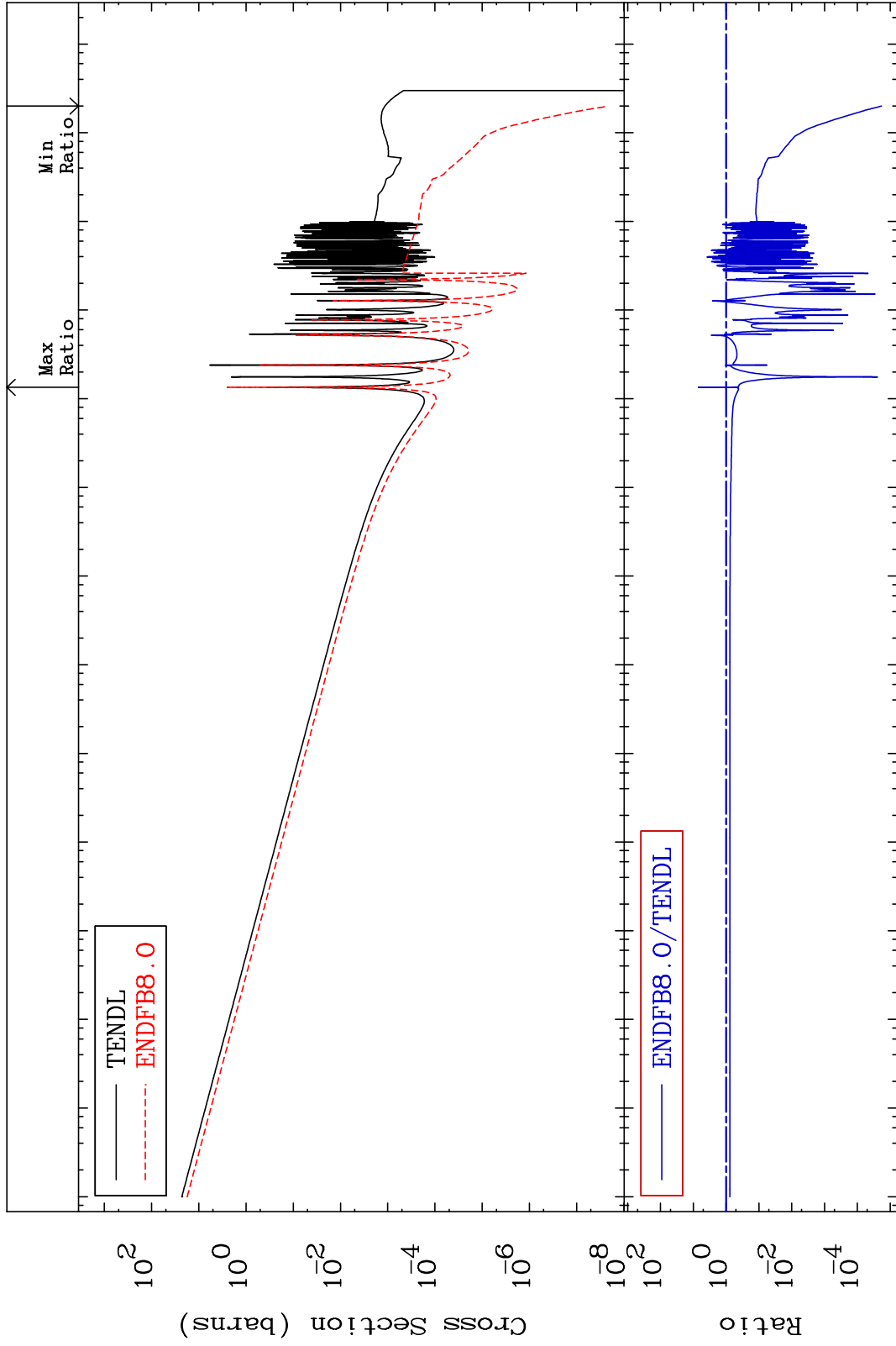
MAT 1628

(n,  $\gamma$ )

16-S -33

Cross Section

-100.0 To 603.2 %



Incident Energy (eV)

15

16-S -33

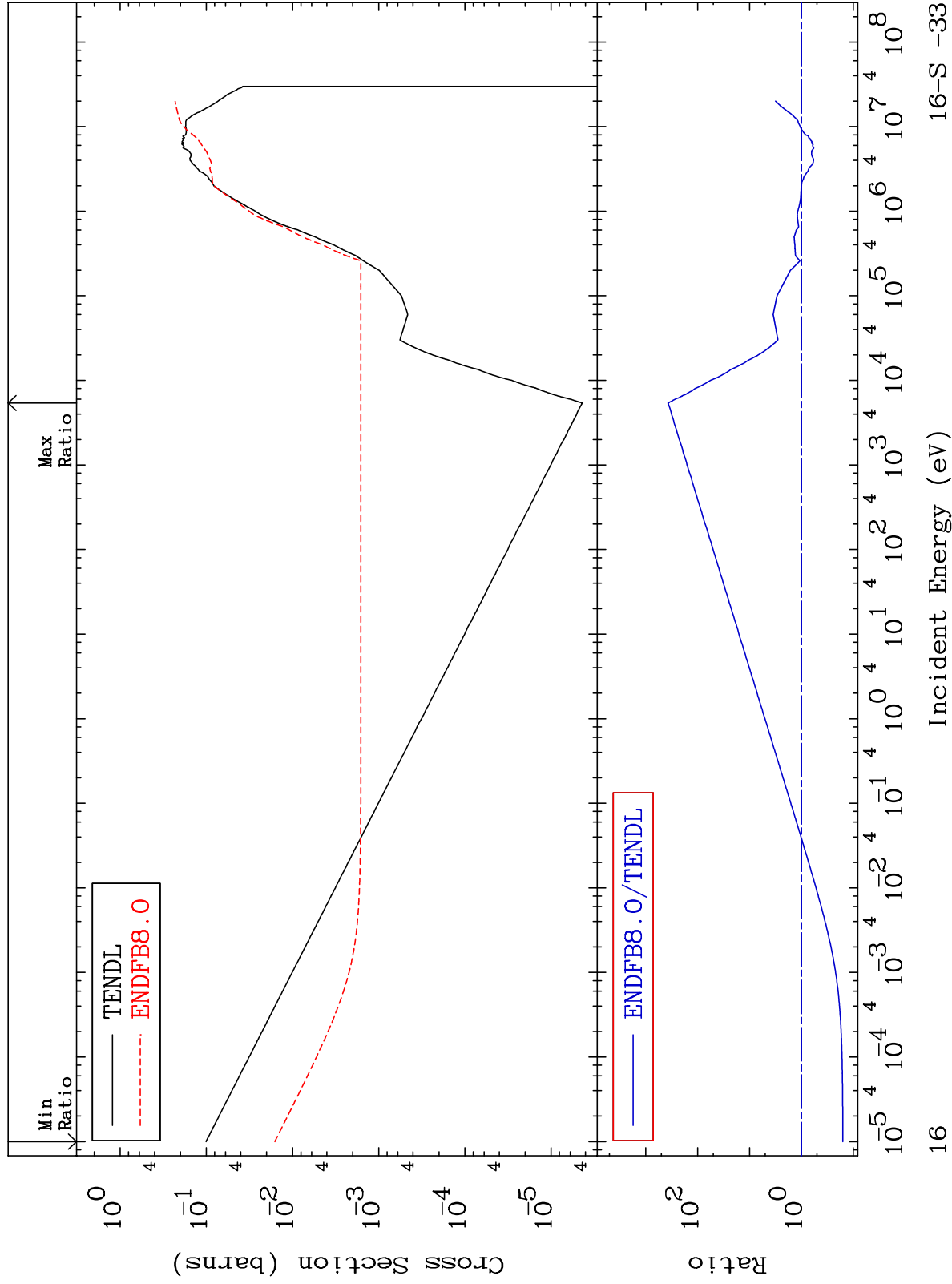


MAT 1628

(n,p)

Cross Section

16-S -33  
-84.09 To 9999. %



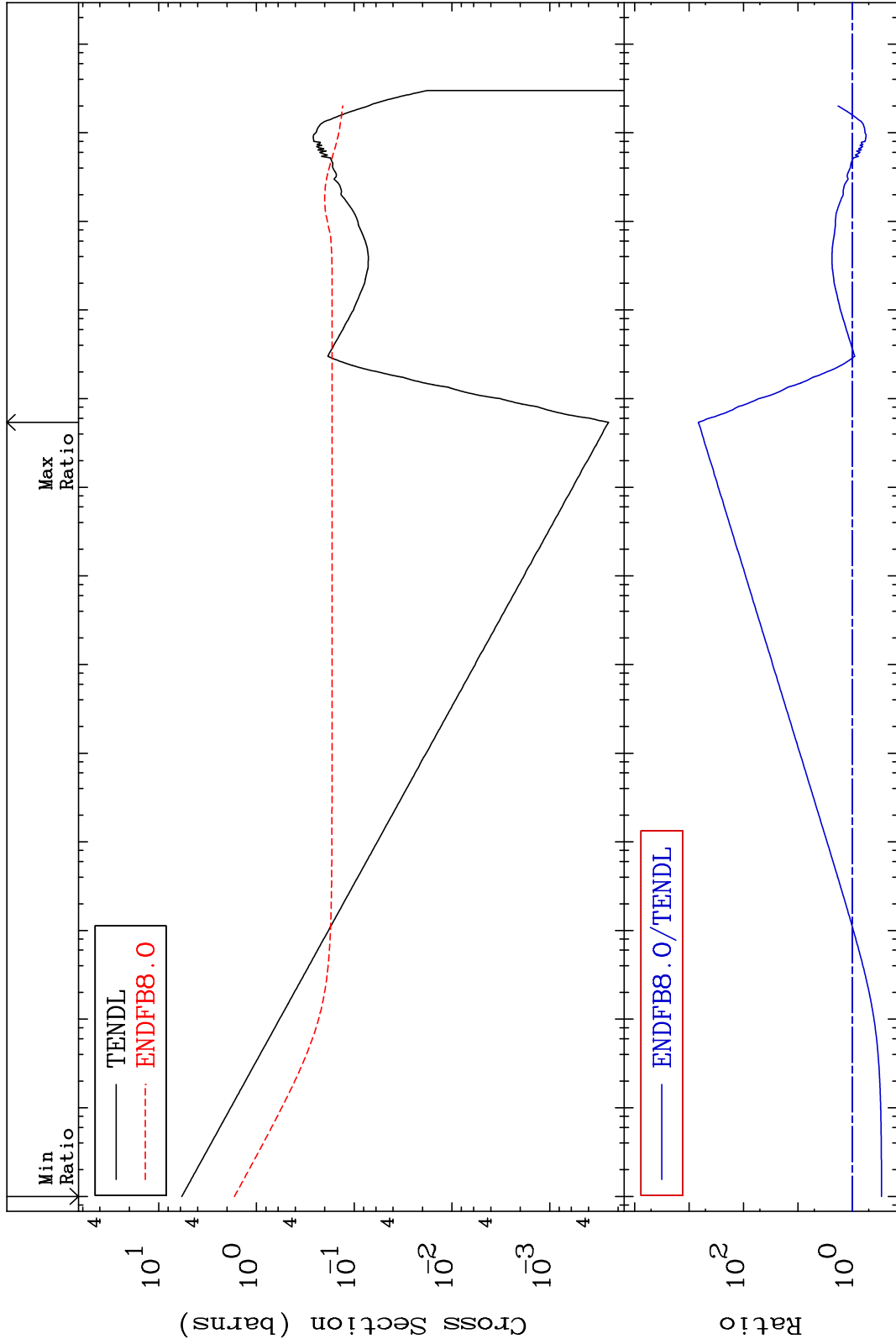
MAT 1628

(n,  $\alpha$ )

16-S -33

-71.05 To 9999. %

Cross Section



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>4</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

Incident Energy (eV)

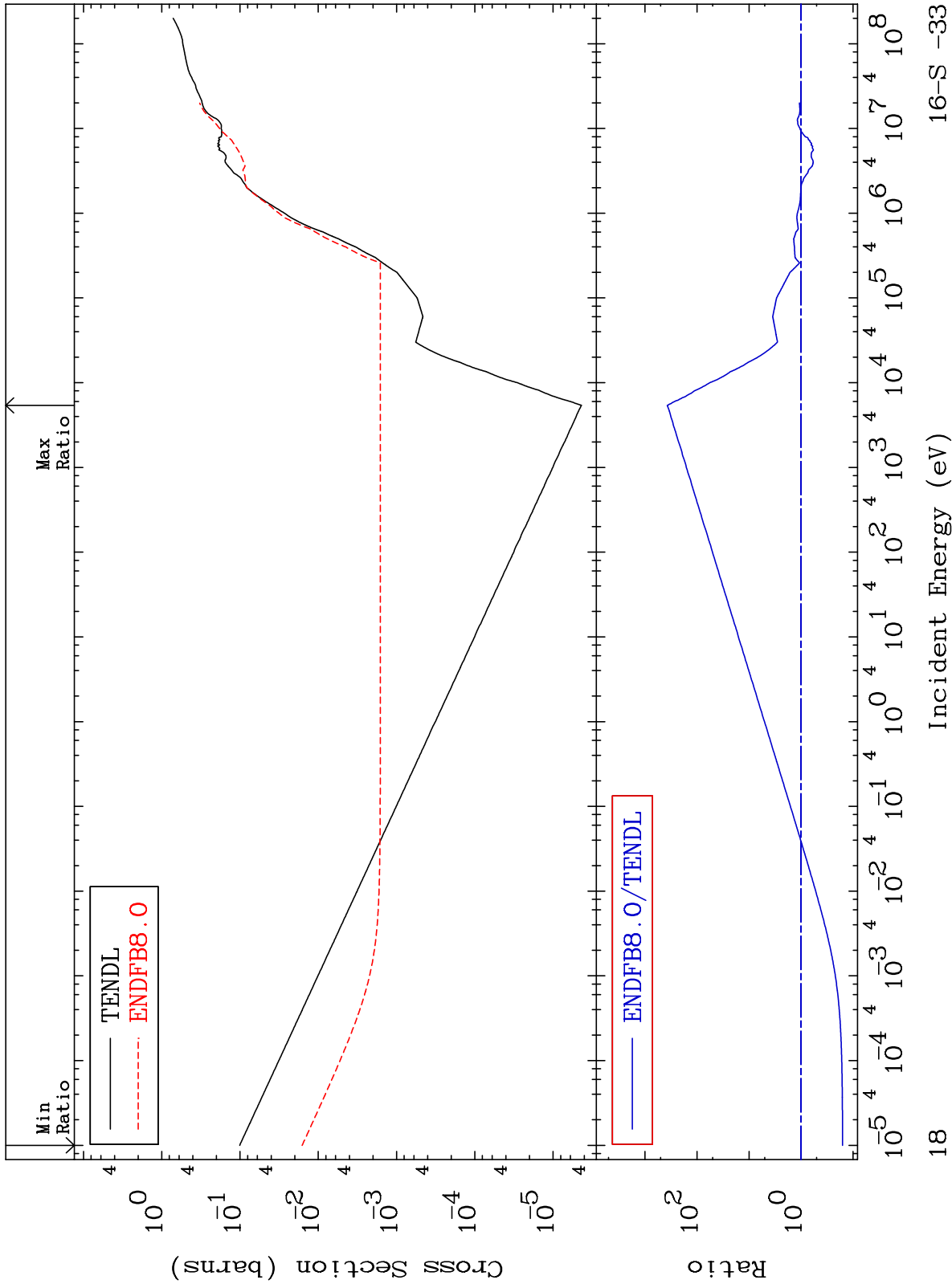
17

16-S -33

MAT 1628

Hydrogen Production  
Cross Section

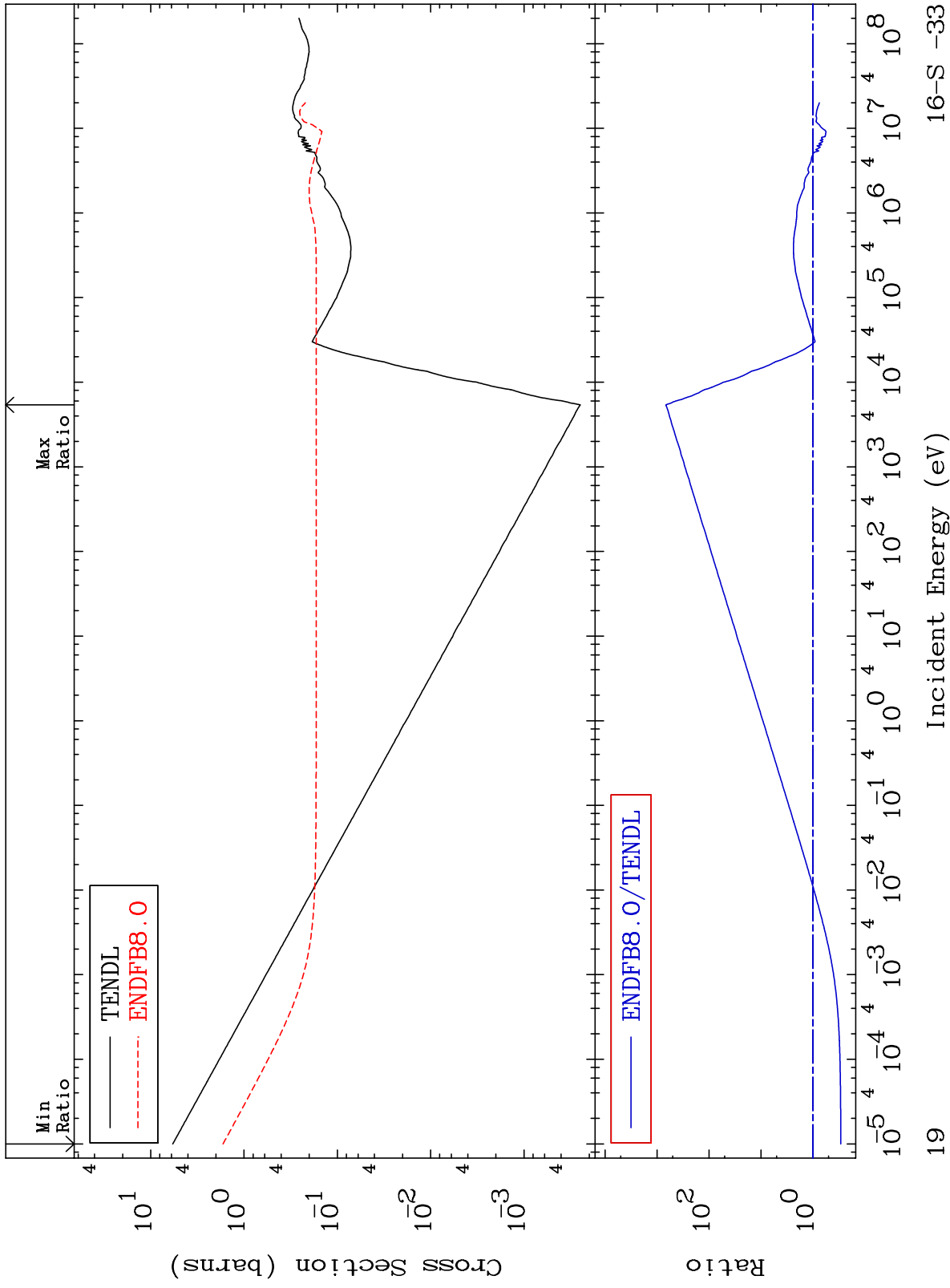
16-S -33  
-84.09 To 9999. %



MAT 1628

He-4 Production  
Cross Section

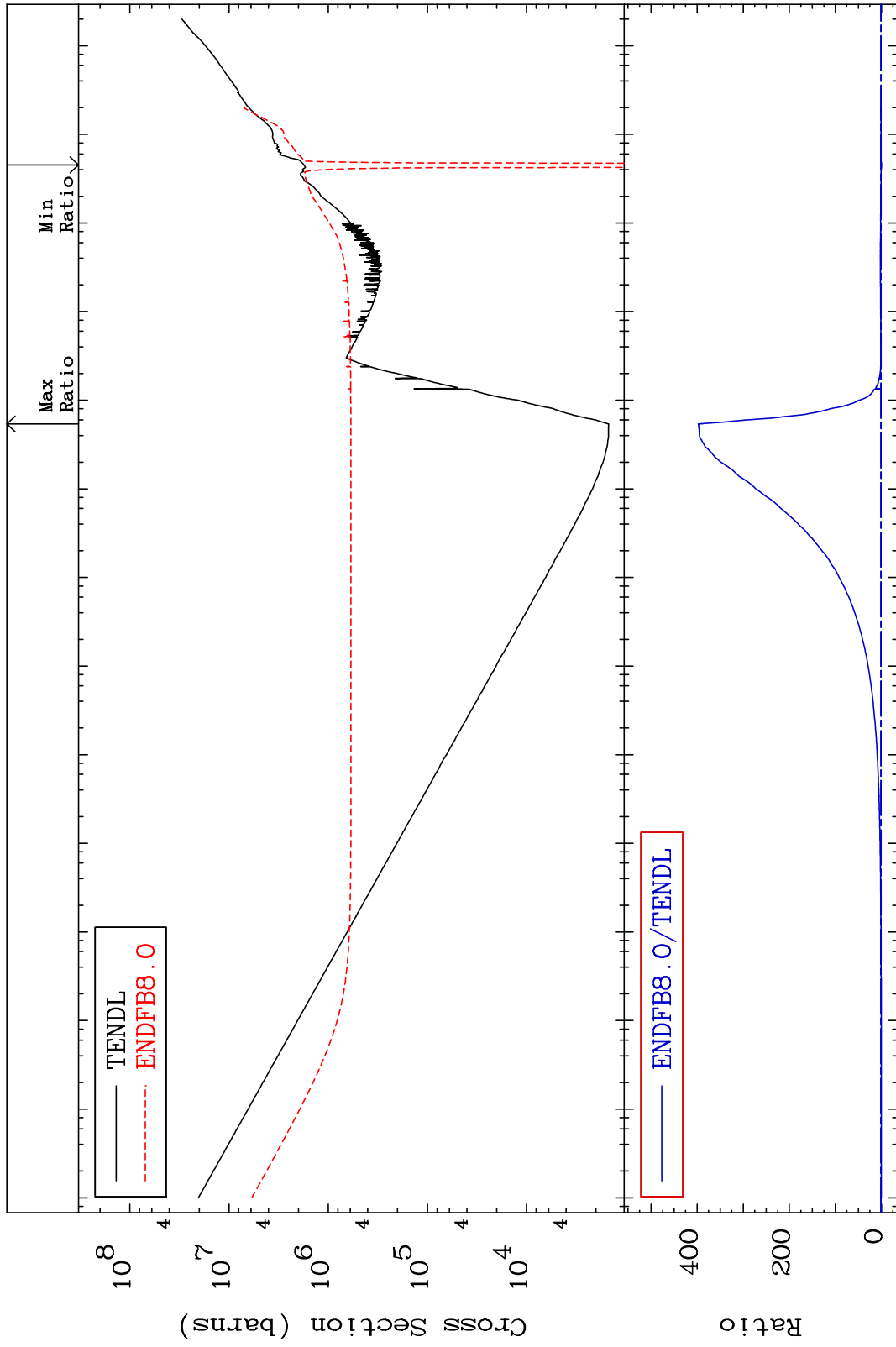
16-S -33  
-71.05 To 9999. %



MAT 1628

Kerma total (eV-barns)  
Cross Section

16-S -33  
-126.0 To 9999. %



20

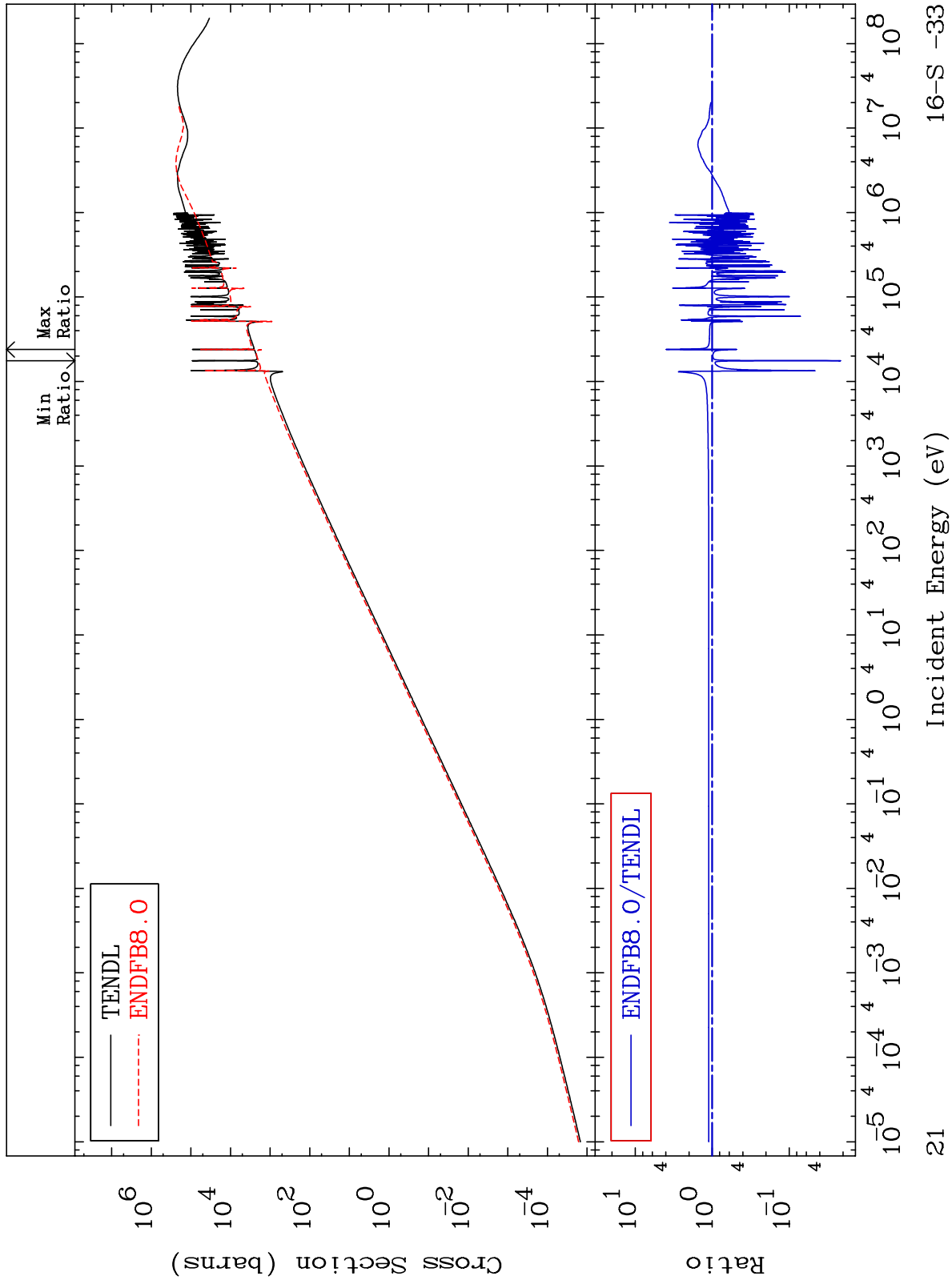
Incident Energy (eV)

16-S -33

MAT 1628

Kerma elastic  
Cross Section

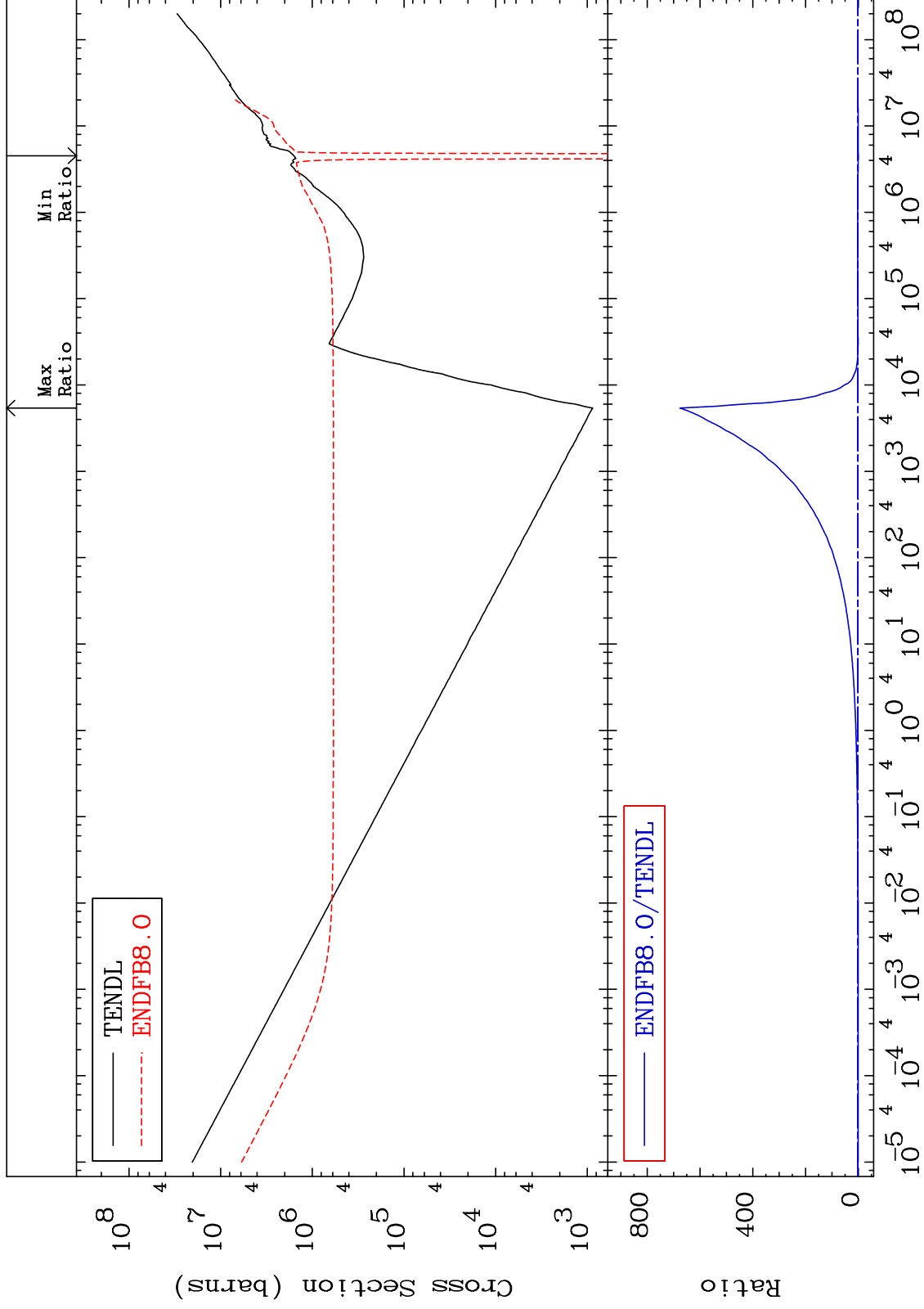
16-S -33  
-97.84 To 299.8 %



MAT 1628

Kerma non-elastic (all but mt2)  
Cross Section

16-S -33  
-143.4 To 9999. %



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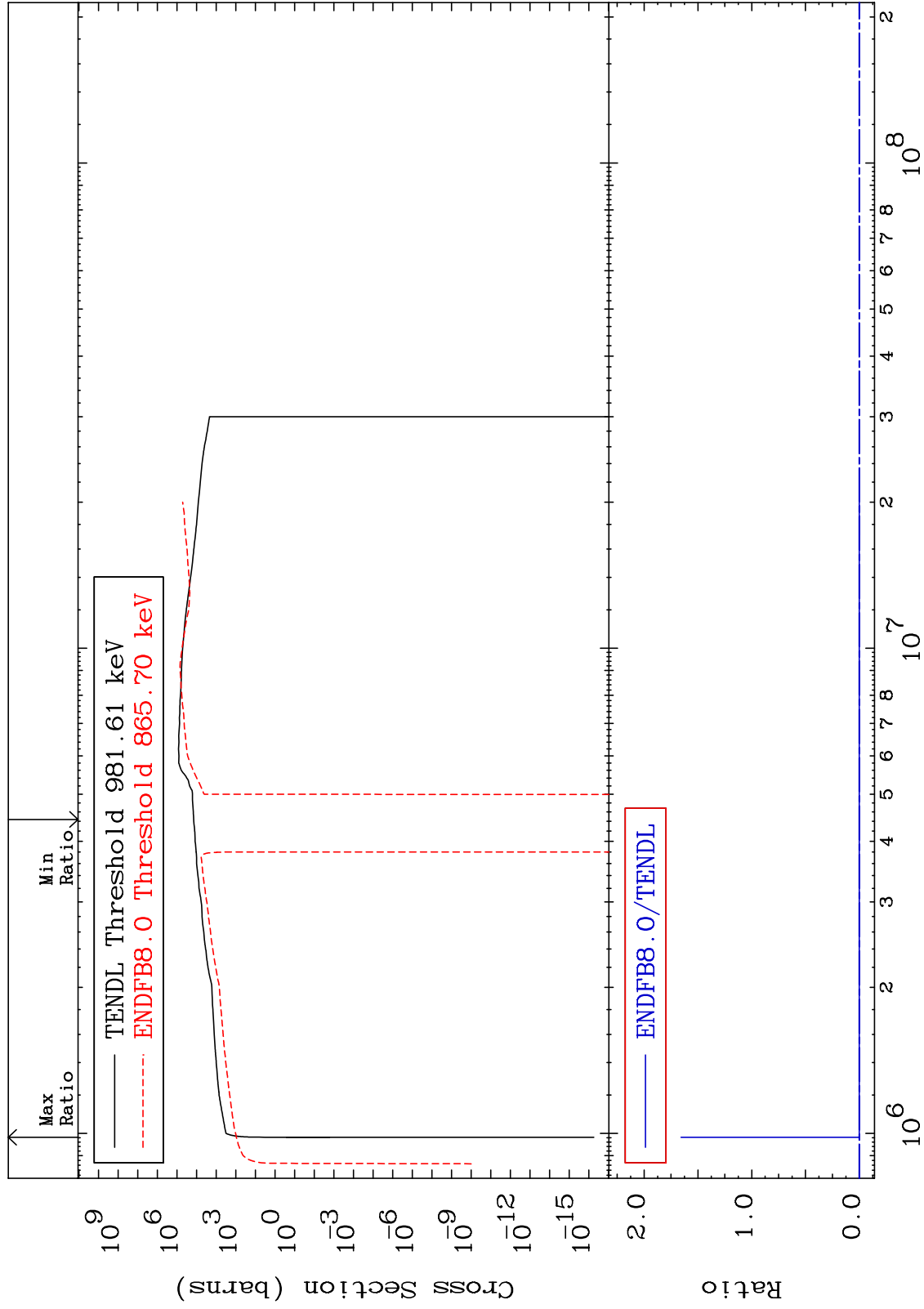
Incident Energy (eV)

16-S -33

MAT 1628

Kerma inelastic (mt51-91)  
Cross Section

16-S -33  
-1636. To 9999. %



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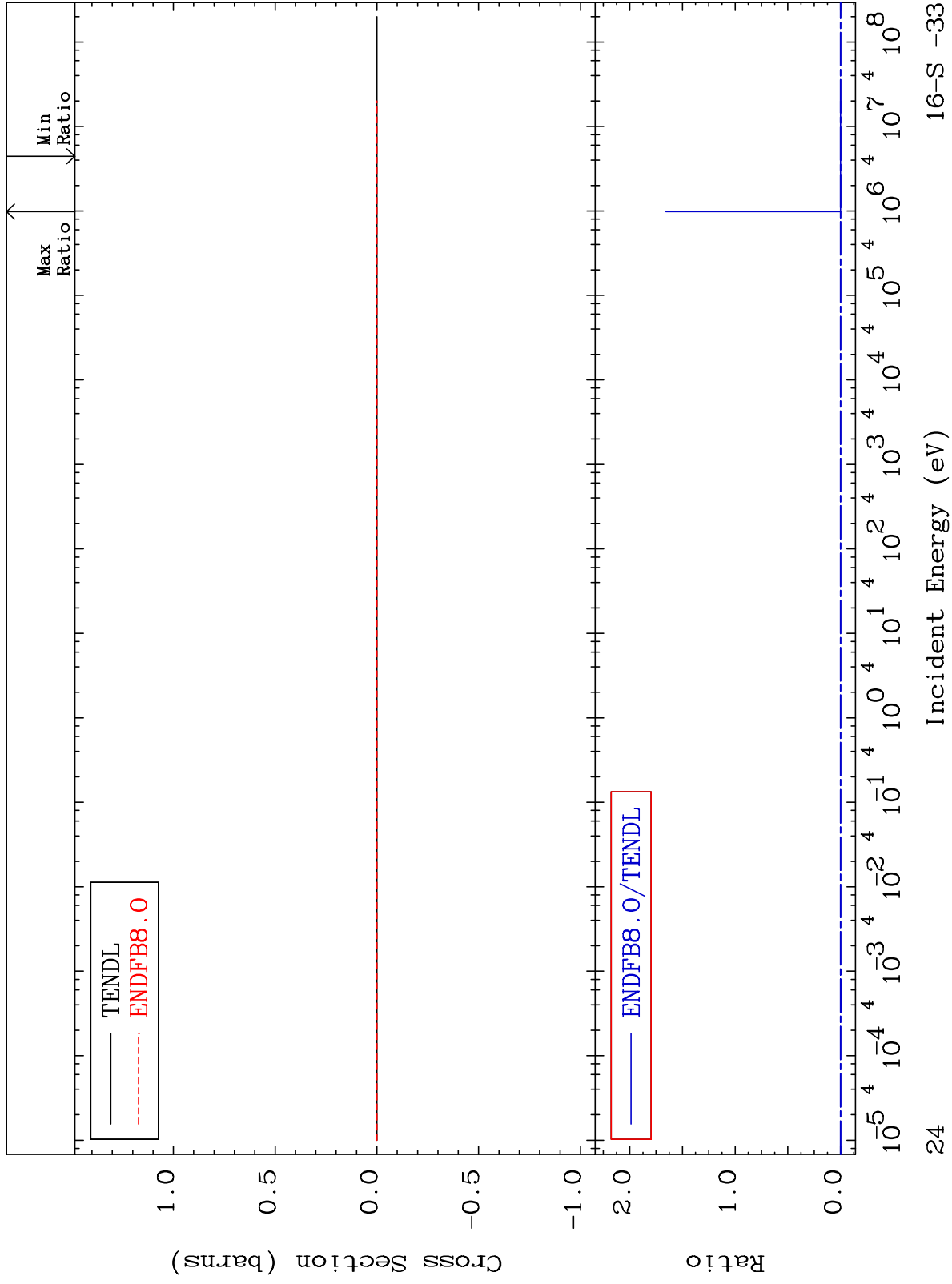
16-S -33



MAT 1628

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

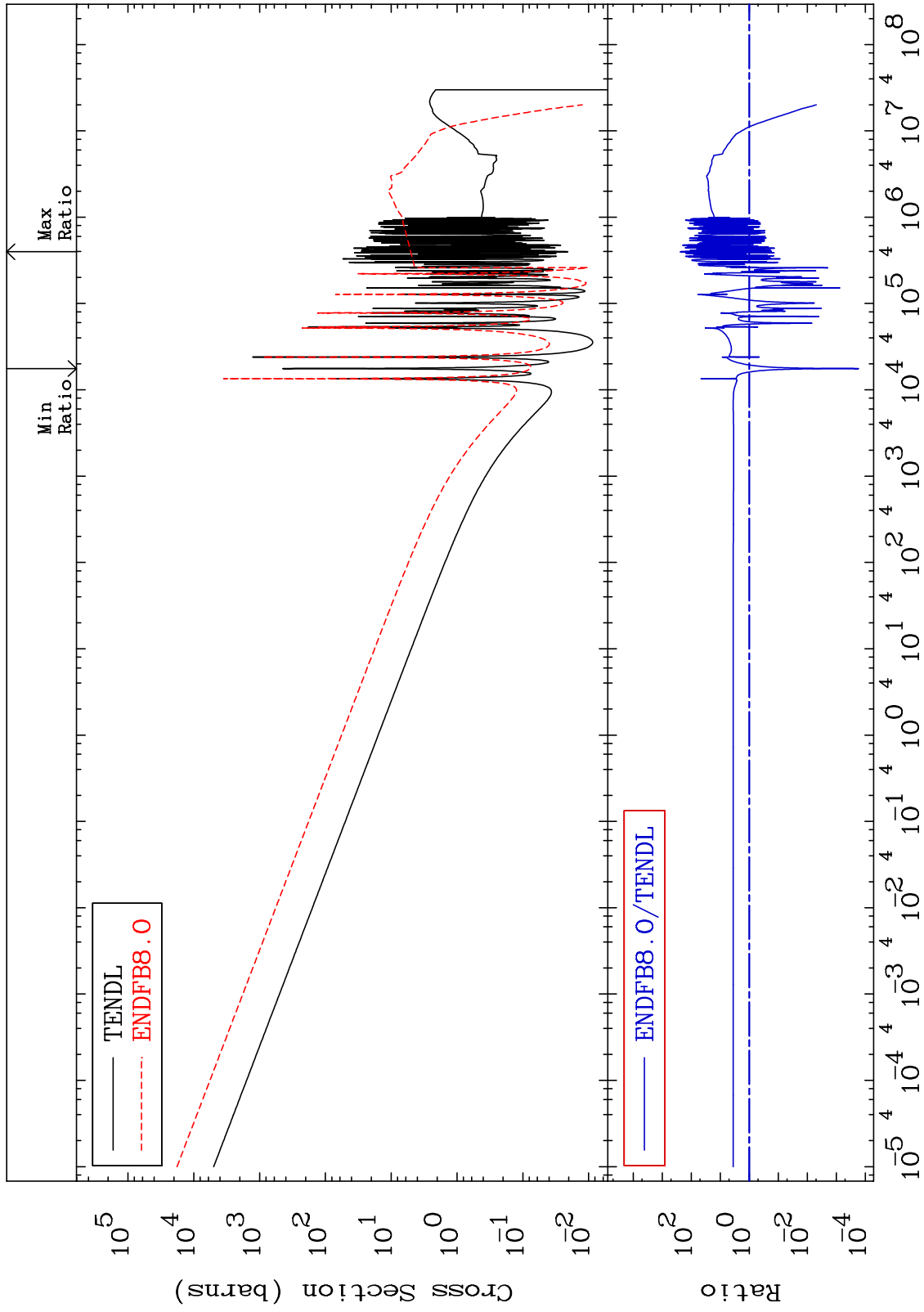
16-S -33  
-1636. To 9999. %



MAT 1628

Kerma capture (mt102)  
Cross Section

16-S -33  
-99.98 To 9999. %



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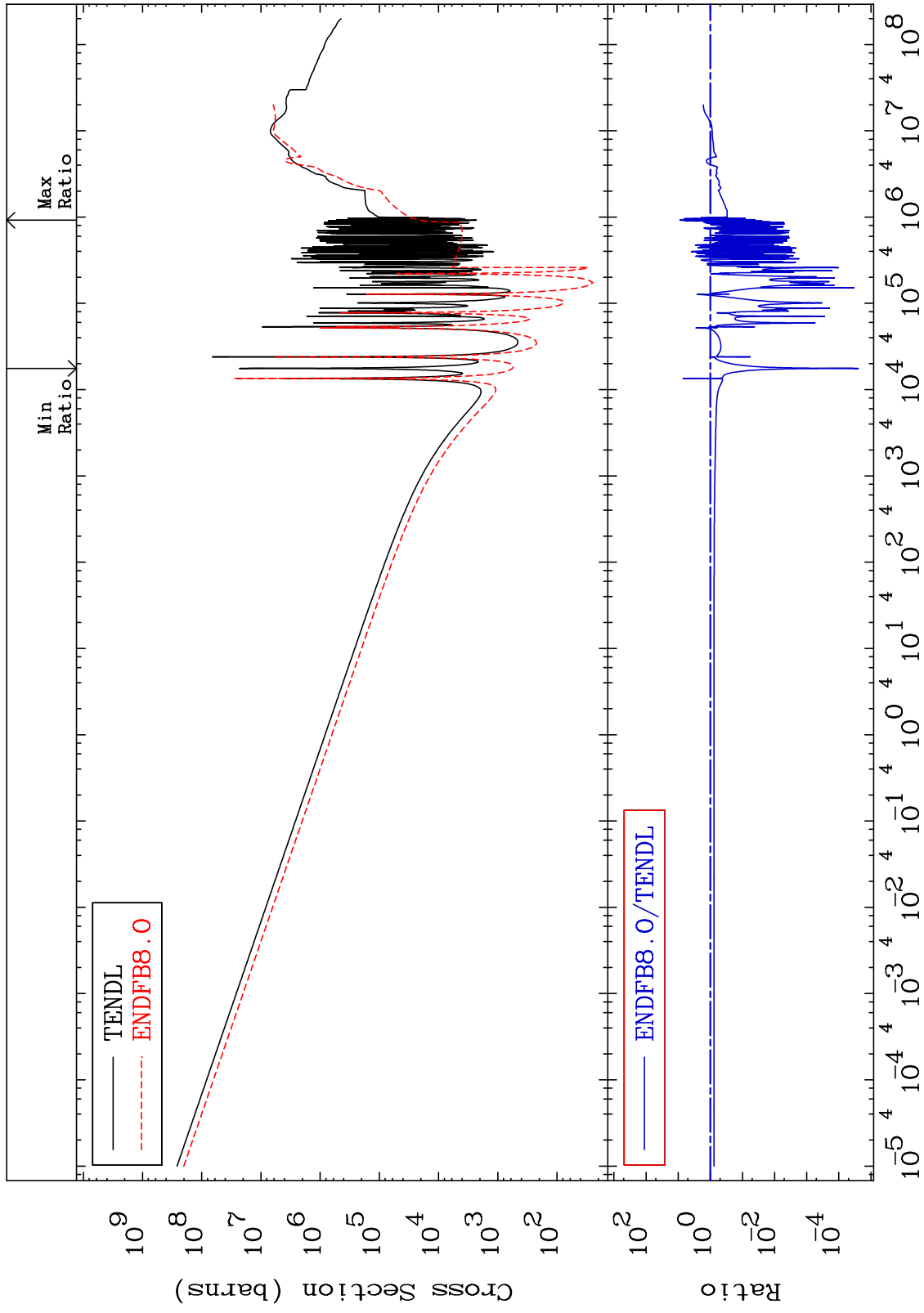
Incident Energy (eV)

16-S -33

MAT 1628

Total photon (eV-barns)  
Cross Section

16-S -33  
-100.0 To 778.7 %

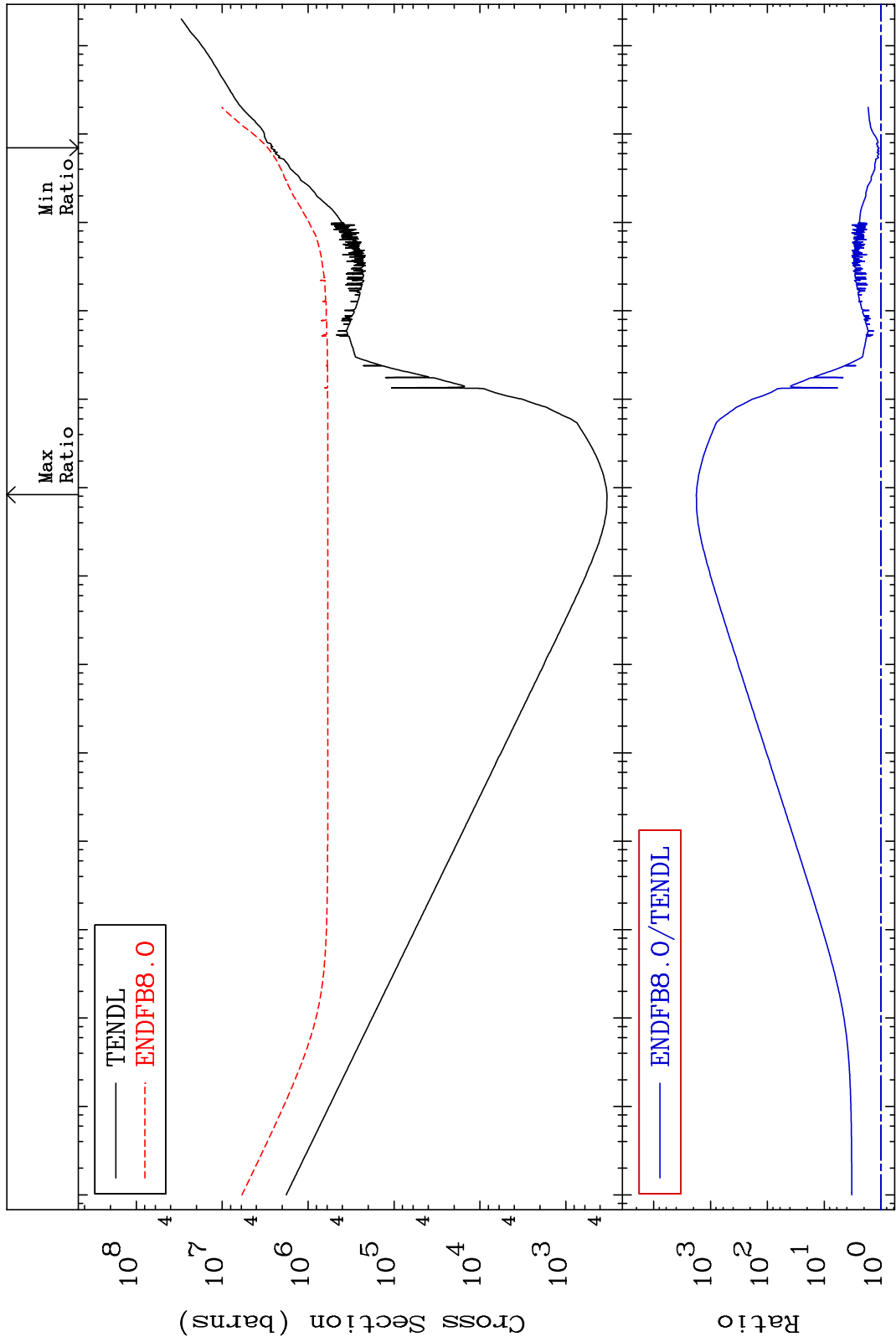


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Incident Energy (eV)

16-S -33

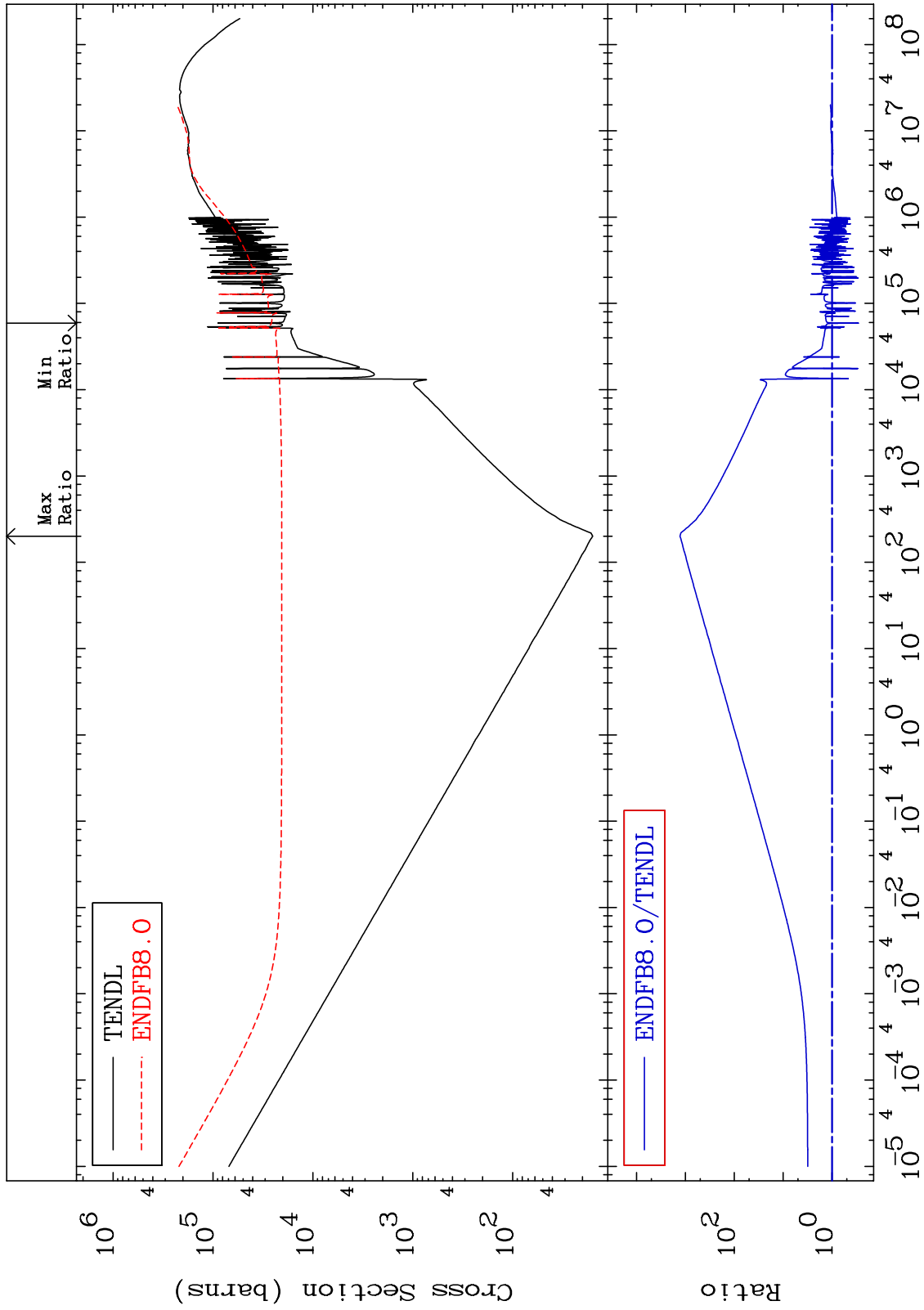
MAT 1628 Total kinematic kerma (high limit) Cross Section 16-S -33  
 8.580 To 9999. %



MAT 1628

Dpa total (eV-barns)  
Cross Section

16-S -33  
-71.08 To 9999. %



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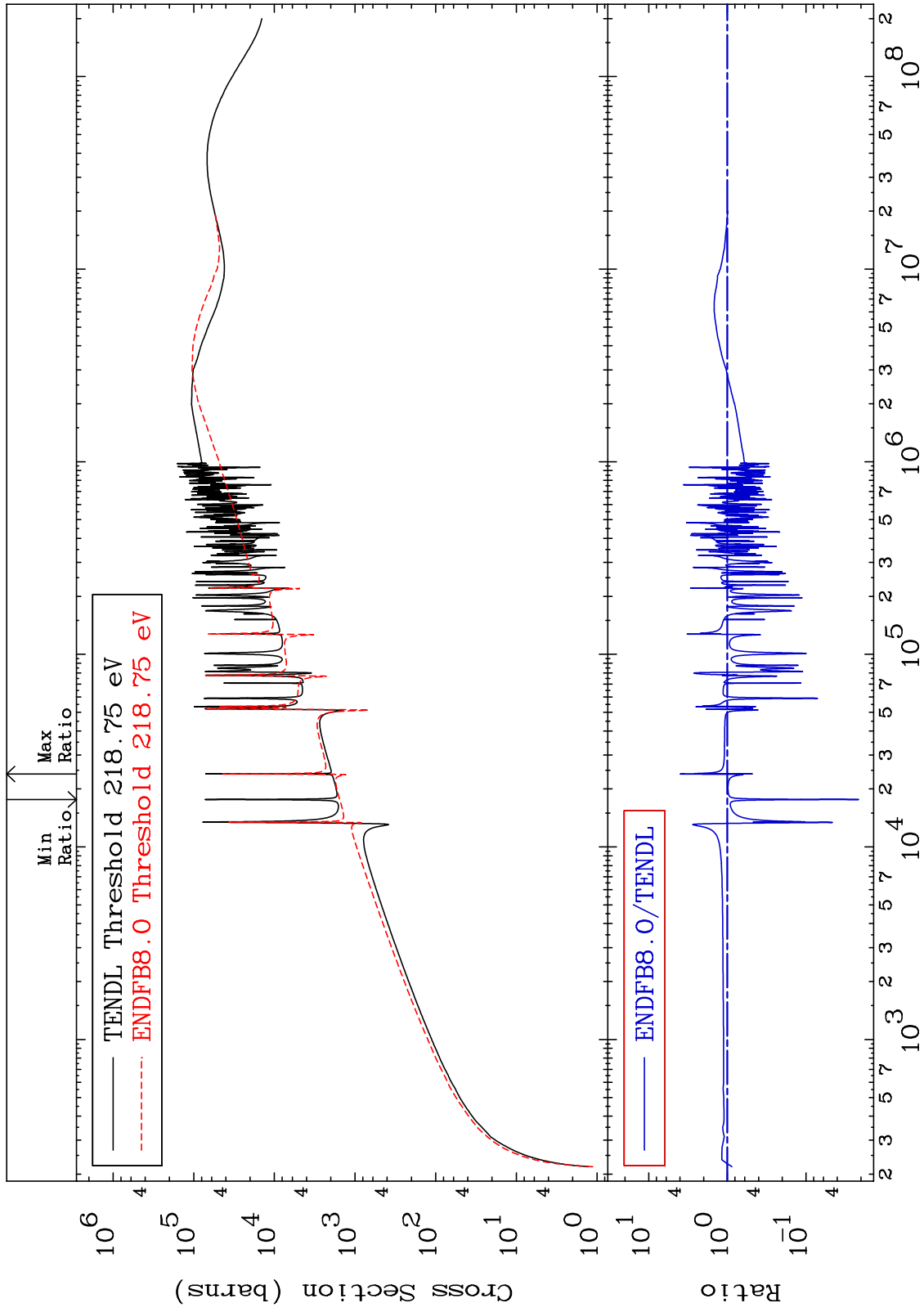
Incident Energy (eV)

16-S -33

MAT 1628

Dpa elastic (mt2)  
Cross Section

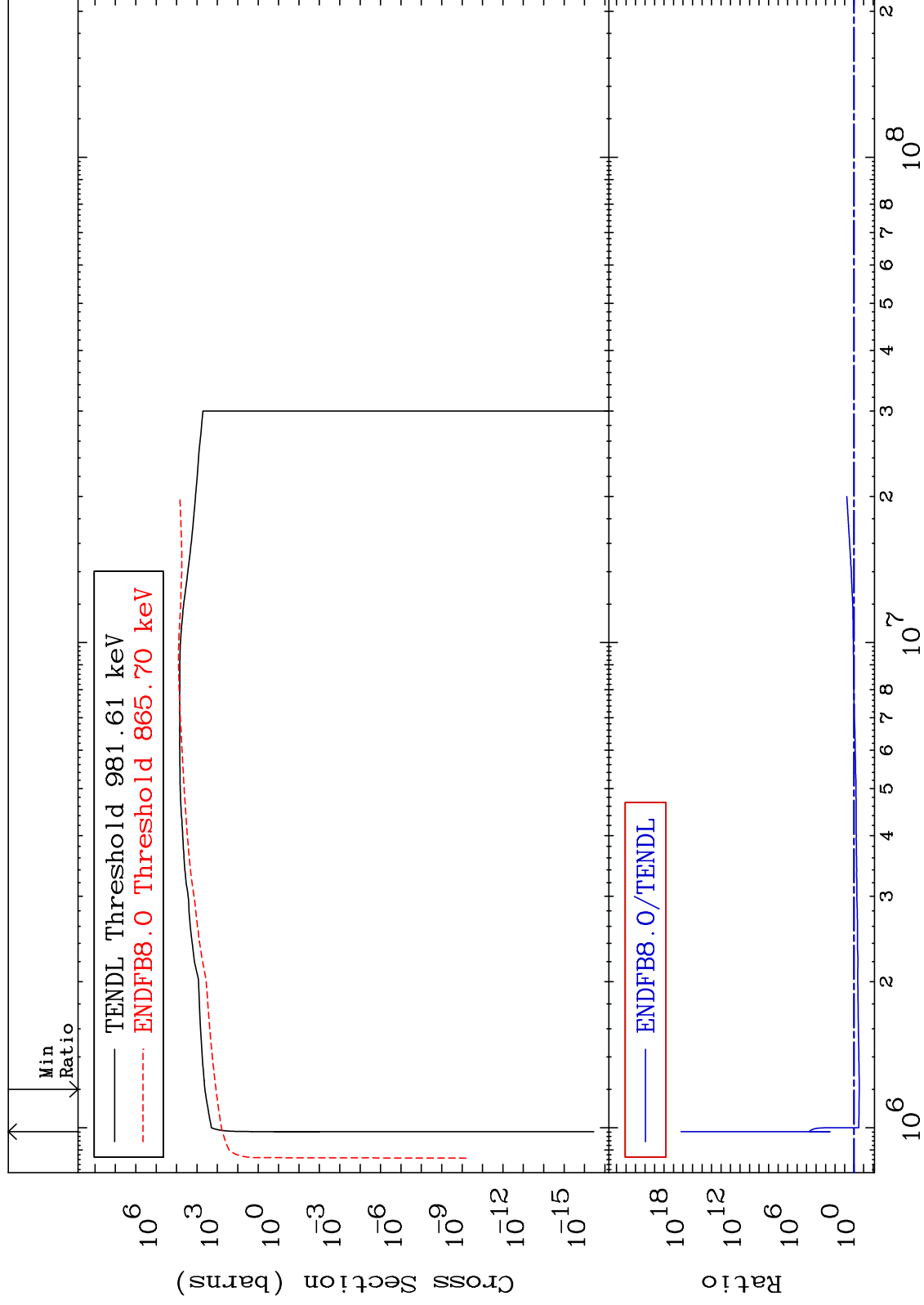
16-S -33  
-97.84 To 299.9 %



MAT 1628

Dpa inelastic (mt51-91)  
Cross Section

16-S -33  
-71.45 To 9999. %



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Incident Energy (eV)

16-S -33

MAT 1628

Dpa disappearance (mt102 -120)  
Cross Section

16-S -33  
-33.81 To 9999. %

