

Program Complot  
(Version 2018-1)

by

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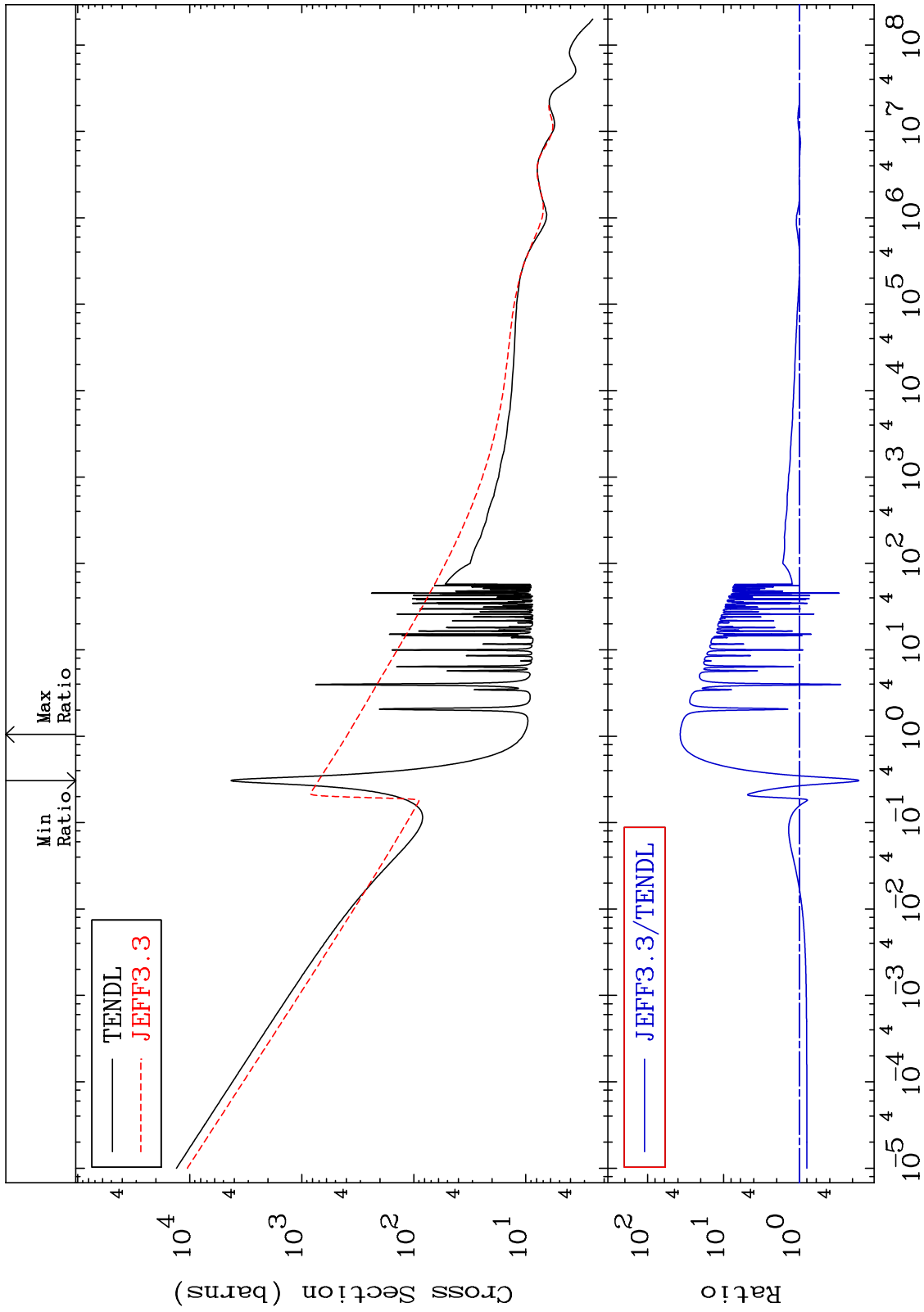
U.S.A.

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

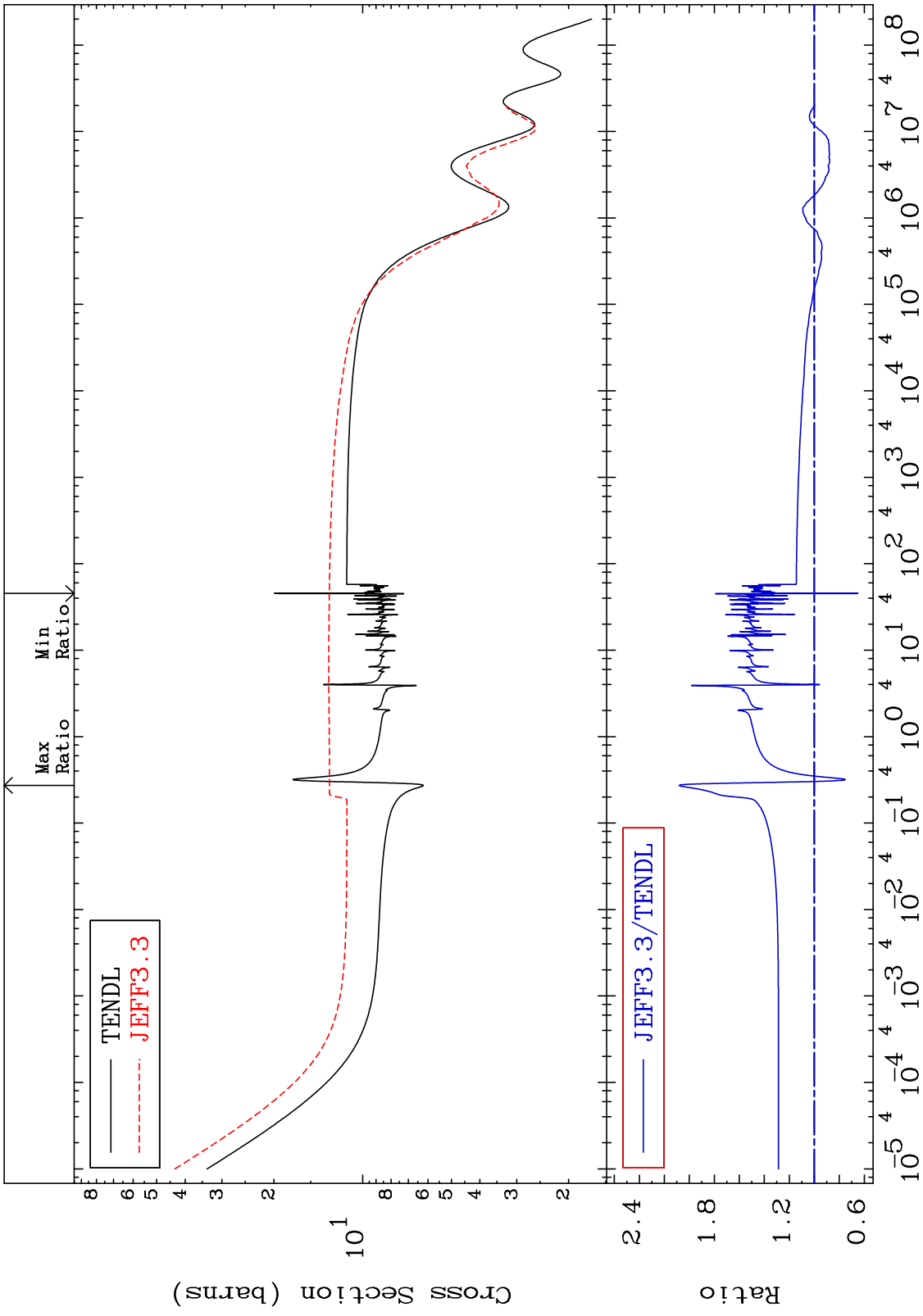
Press Mouse Button to Start

MAT 9340 Total Cross Section 93-Np-235  
-83.50 To 3627. %



1 Incident Energy (eV) 93-Np-235

MAT 9340 Elastic Cross Section 93-Np-235 -34.86 To 108.2 %



93-Np-235

Incident Energy (eV)

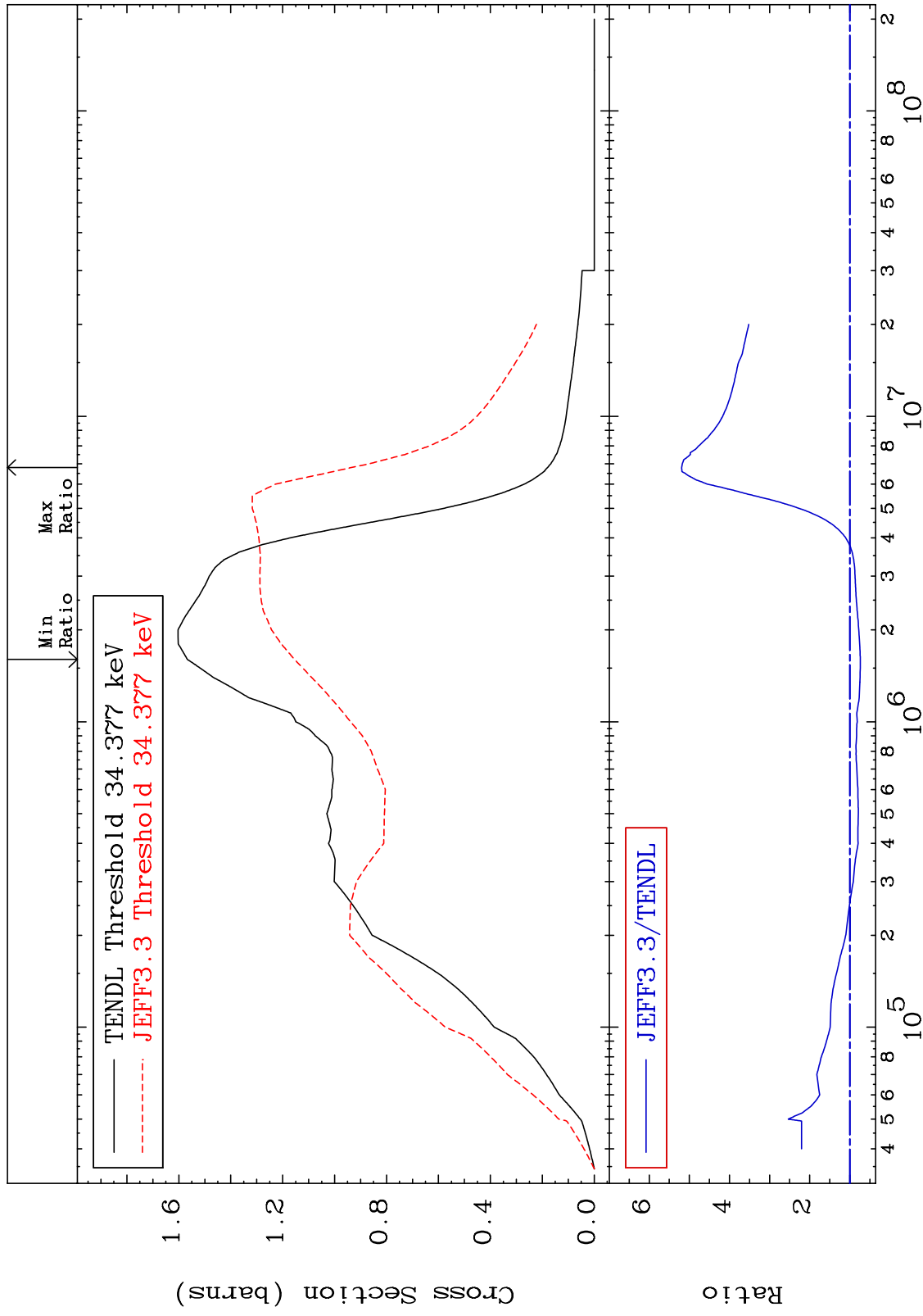
2

MAT 9340

Inelastic  
Cross Section

<sup>93</sup>Np-235

-26.32 To 419.0 %

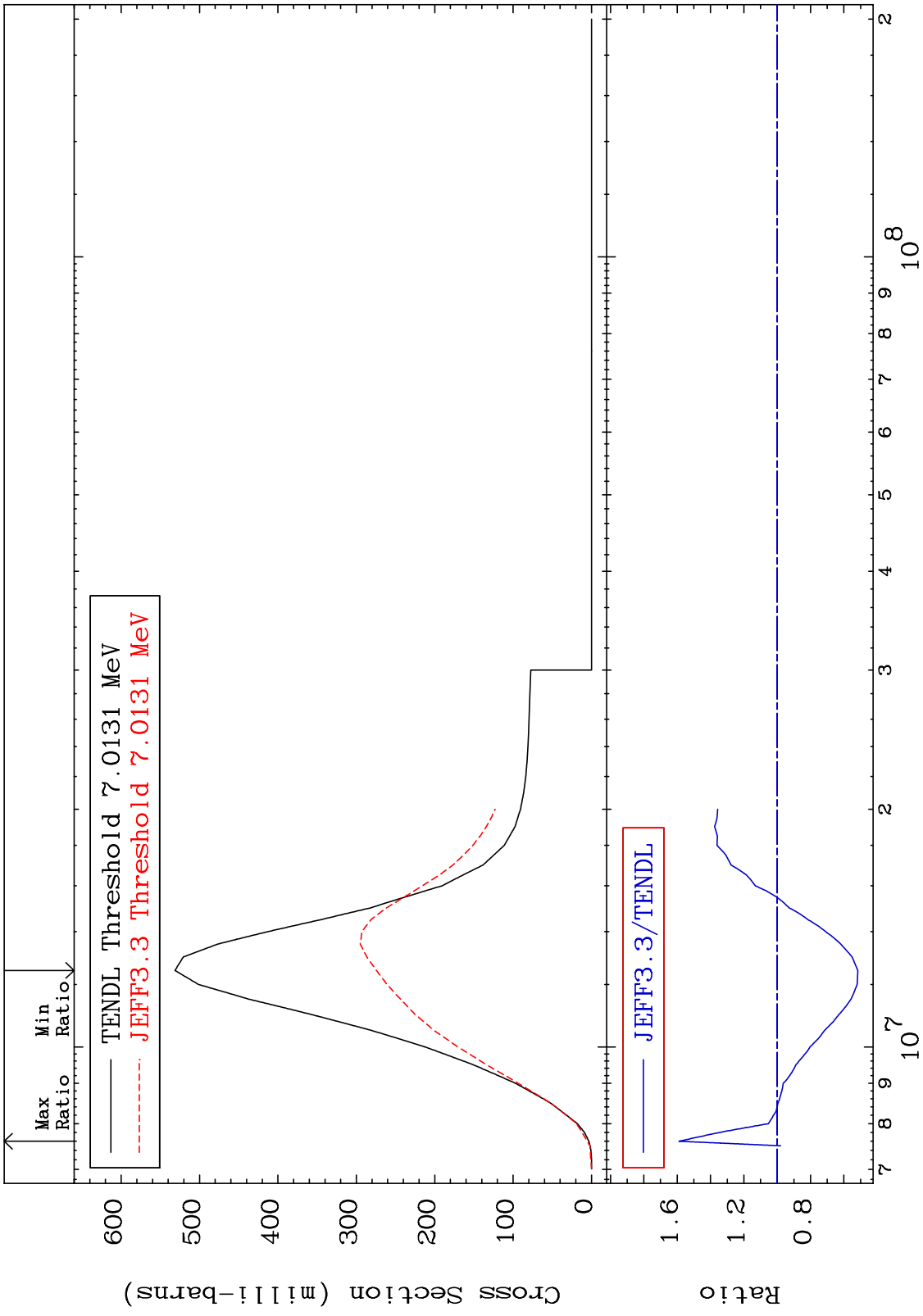


3

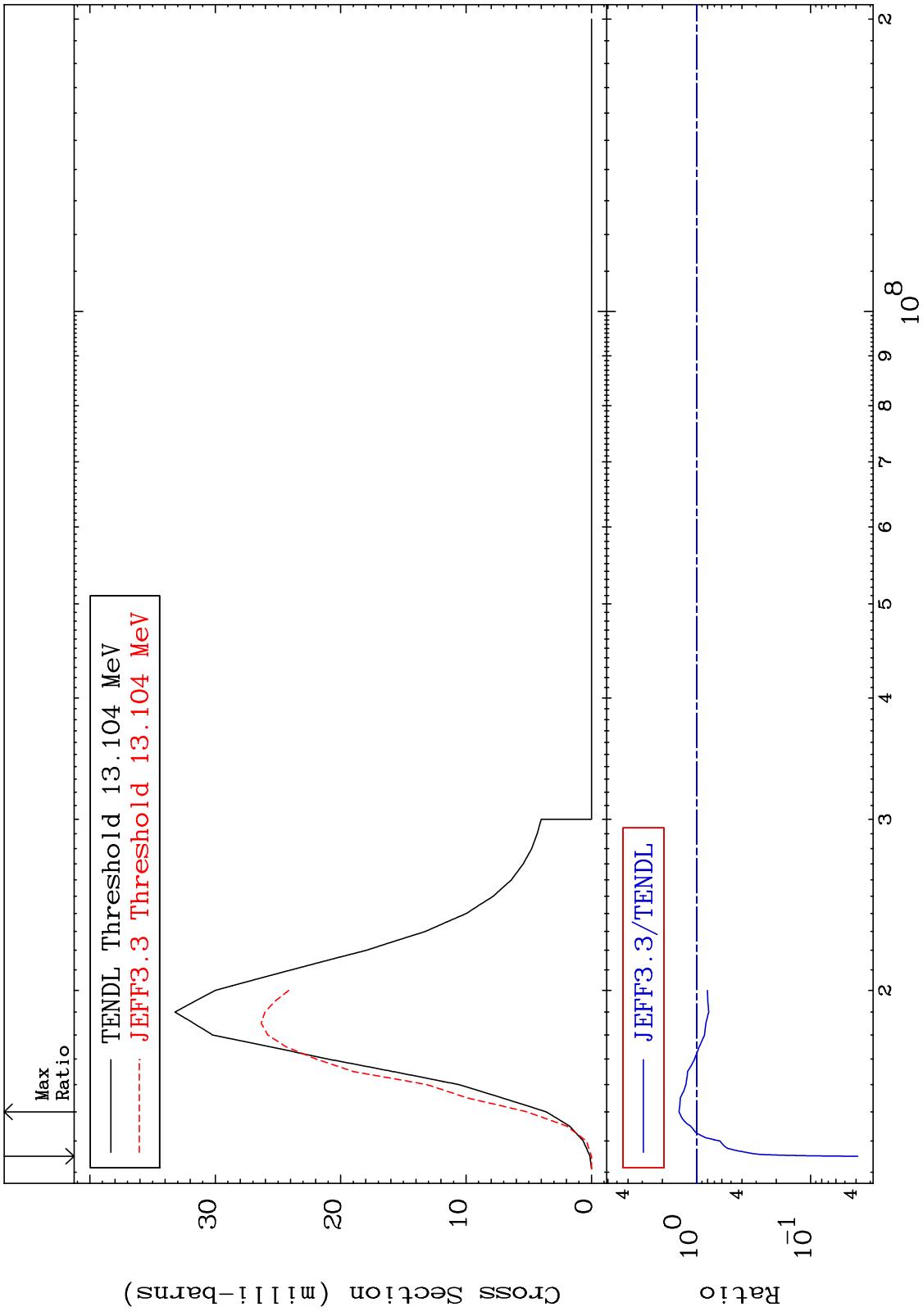
Incident Energy (eV)

<sup>93</sup>Np-235

MAT 9340 (n,2n) Cross Section 93-Np-235  
 -48.37 To 58.87 %

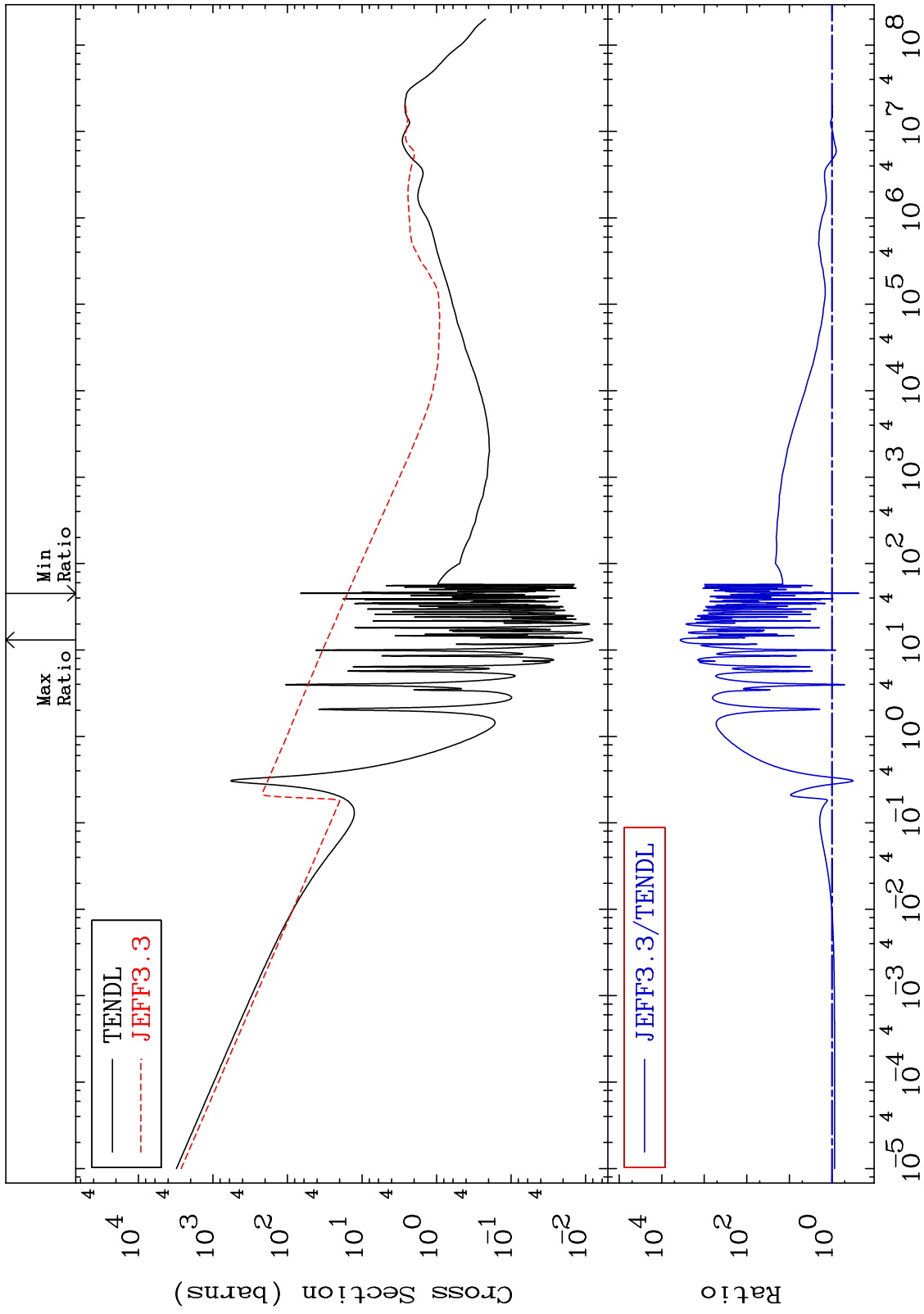


MAT 9340 (n,3n) 93-Np-235  
 Cross Section -96.15 To 42.67 %



MAT 9340

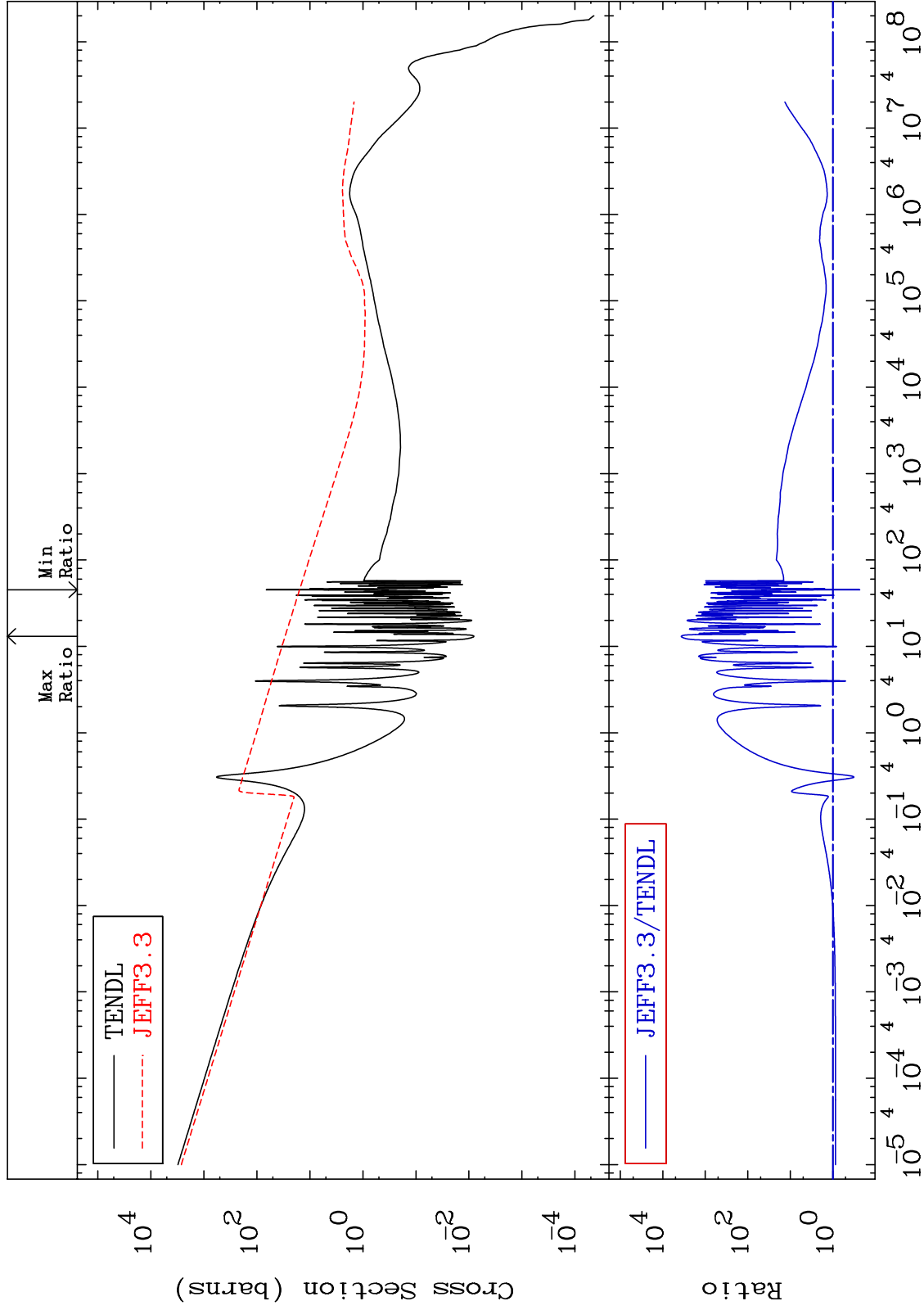
Fission Cross Section  
93-Np-235  
-76.75 To 9999. %



MAT 9340

(n,f) First Chance  
Cross Section

93-Np-235  
-76.75 To 9999. %



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Incident Energy (eV)

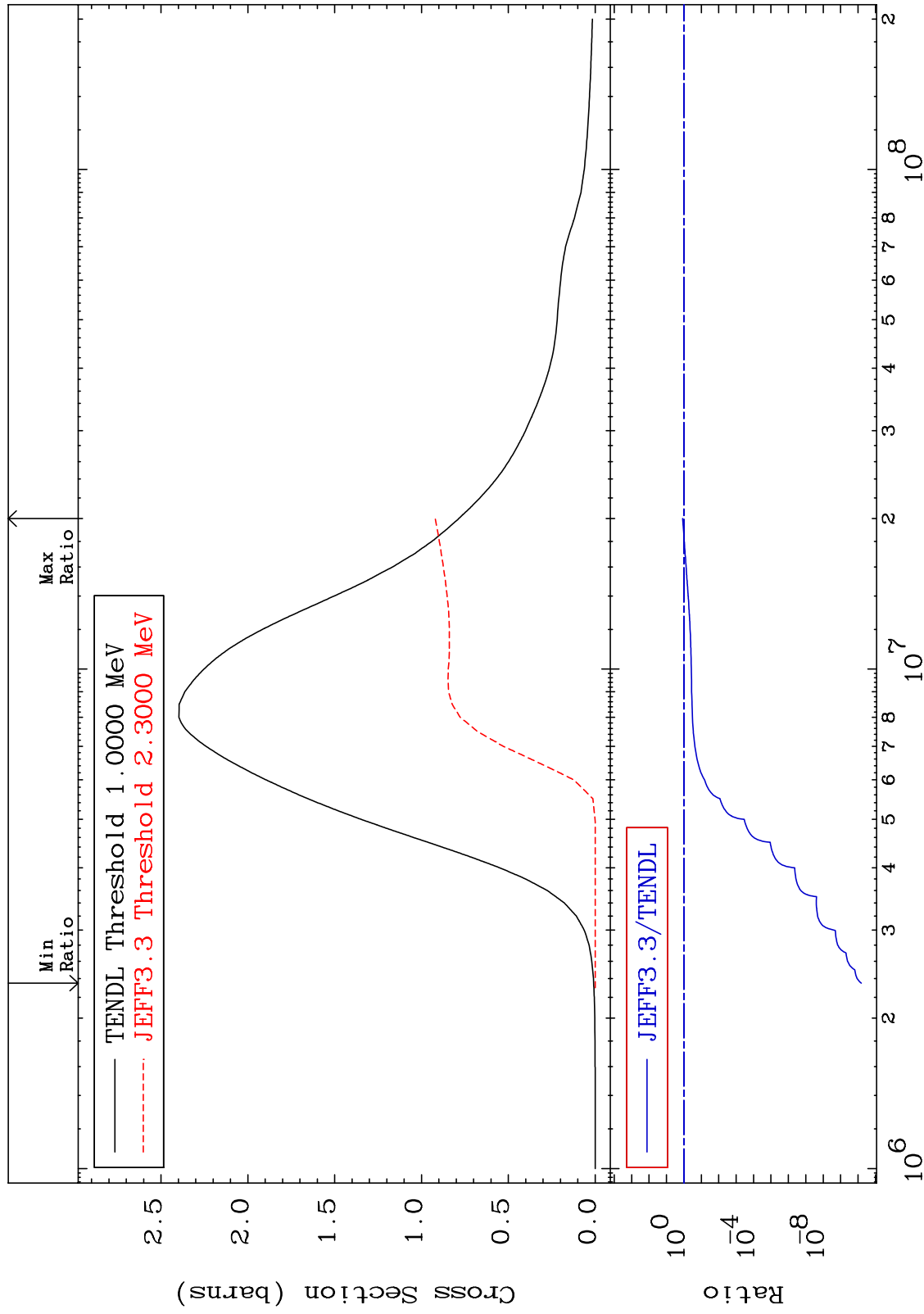
93-Np-235



MAT 9340

(n, nf) Second Chance  
Cross Section

$^{93}\text{Np-235}$   
-100.0 To 17.28 %



8

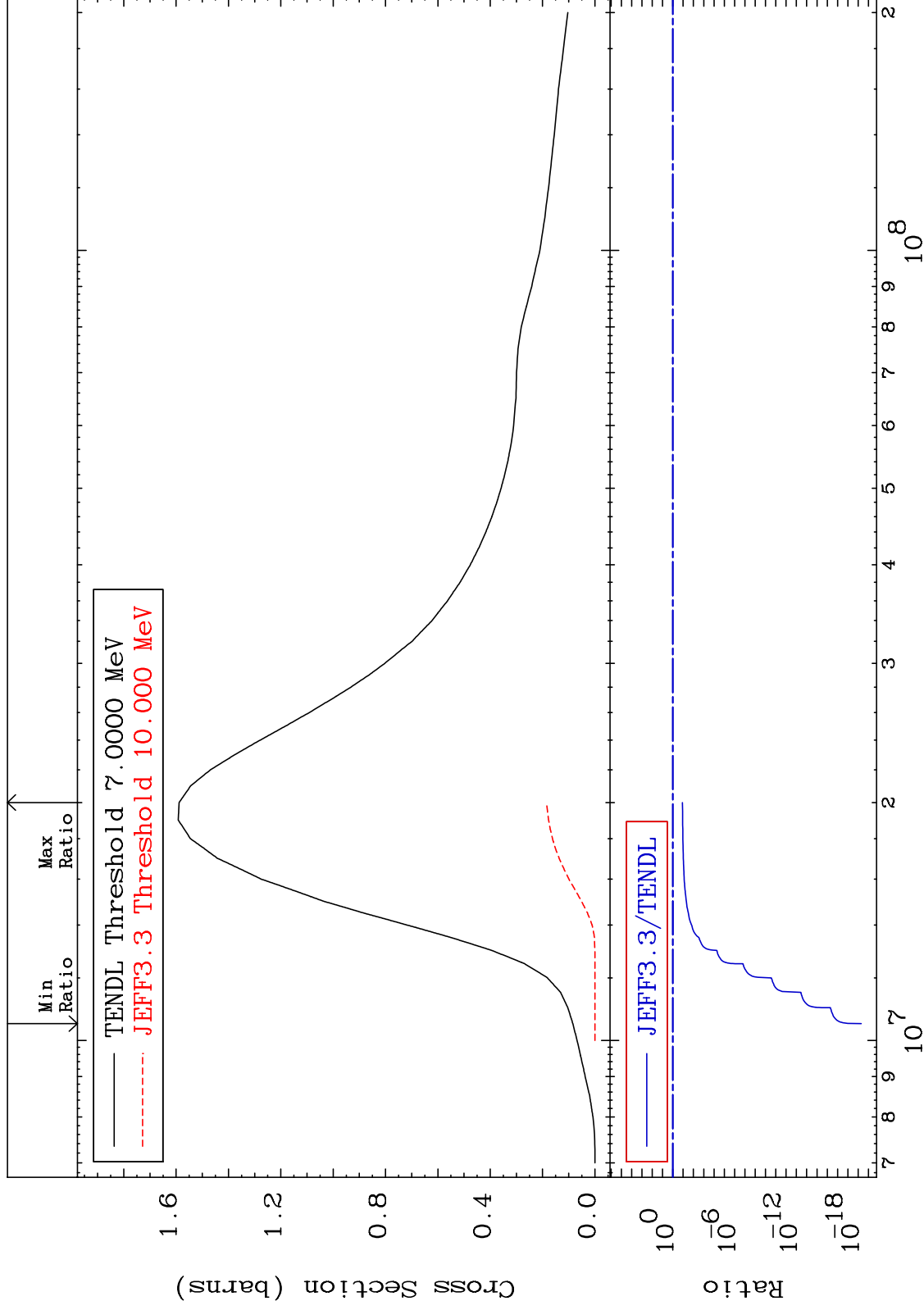
Incident Energy (eV)

$^{93}\text{Np-235}$

MAT 9340

(n,2nf) Third Chance  
Cross Section

93-Np-235  
-100.0 To -88.39%



9

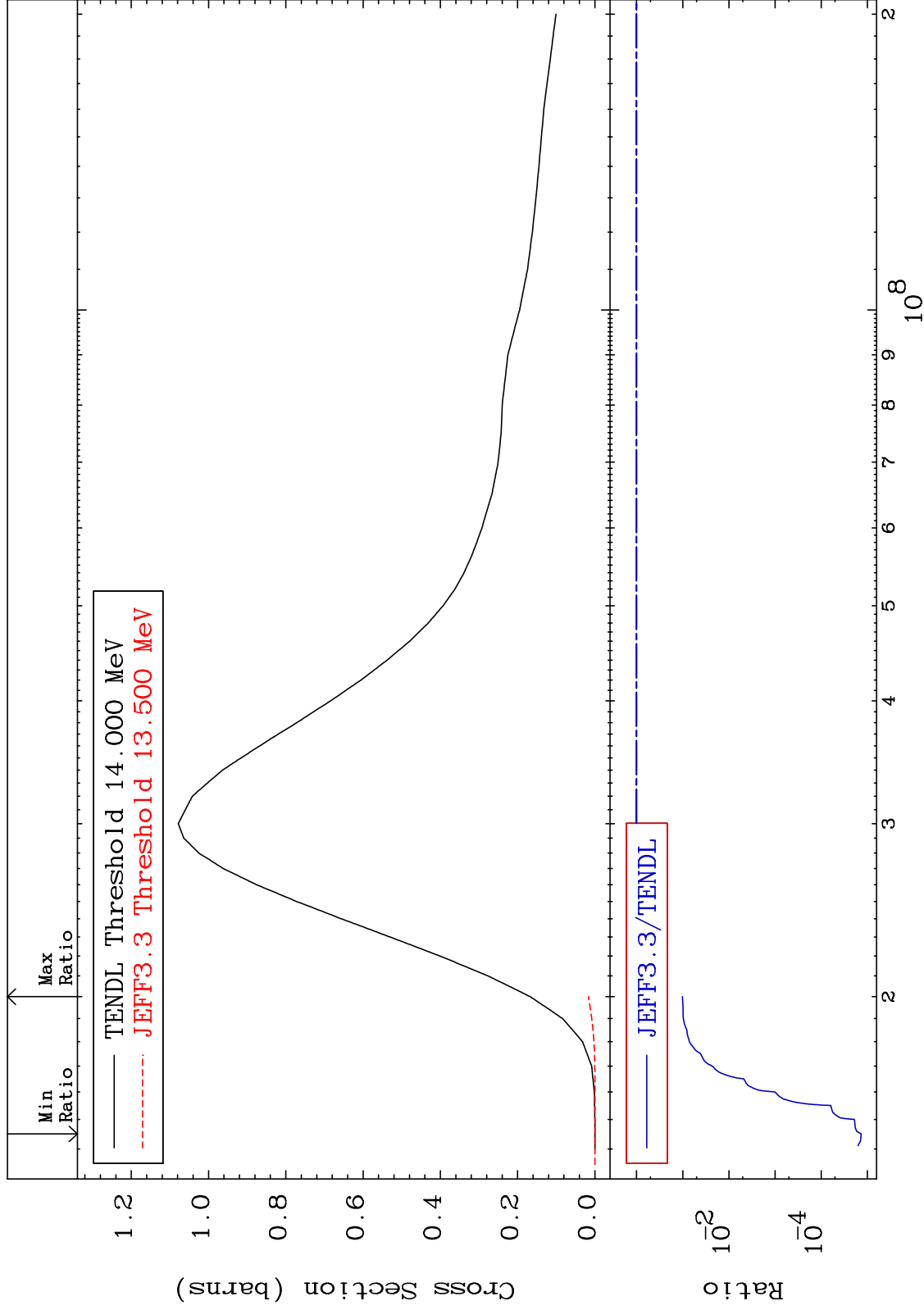
Incident Energy (eV)

93-Np-235

MAT 9340

(n,3nf) Fourth Chance  
Cross Section

93-Np-235  
-100.0 To -89.87%

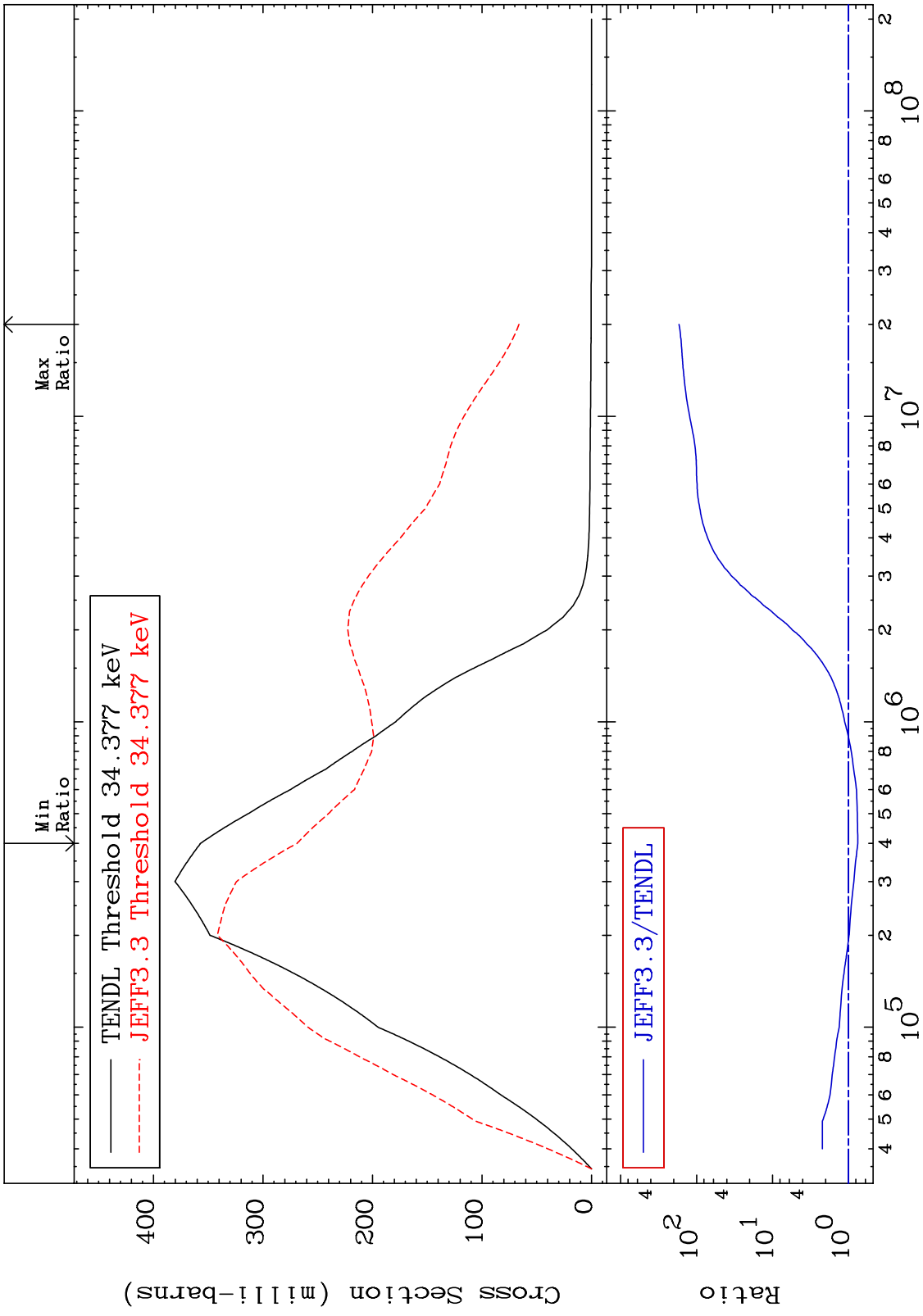


10

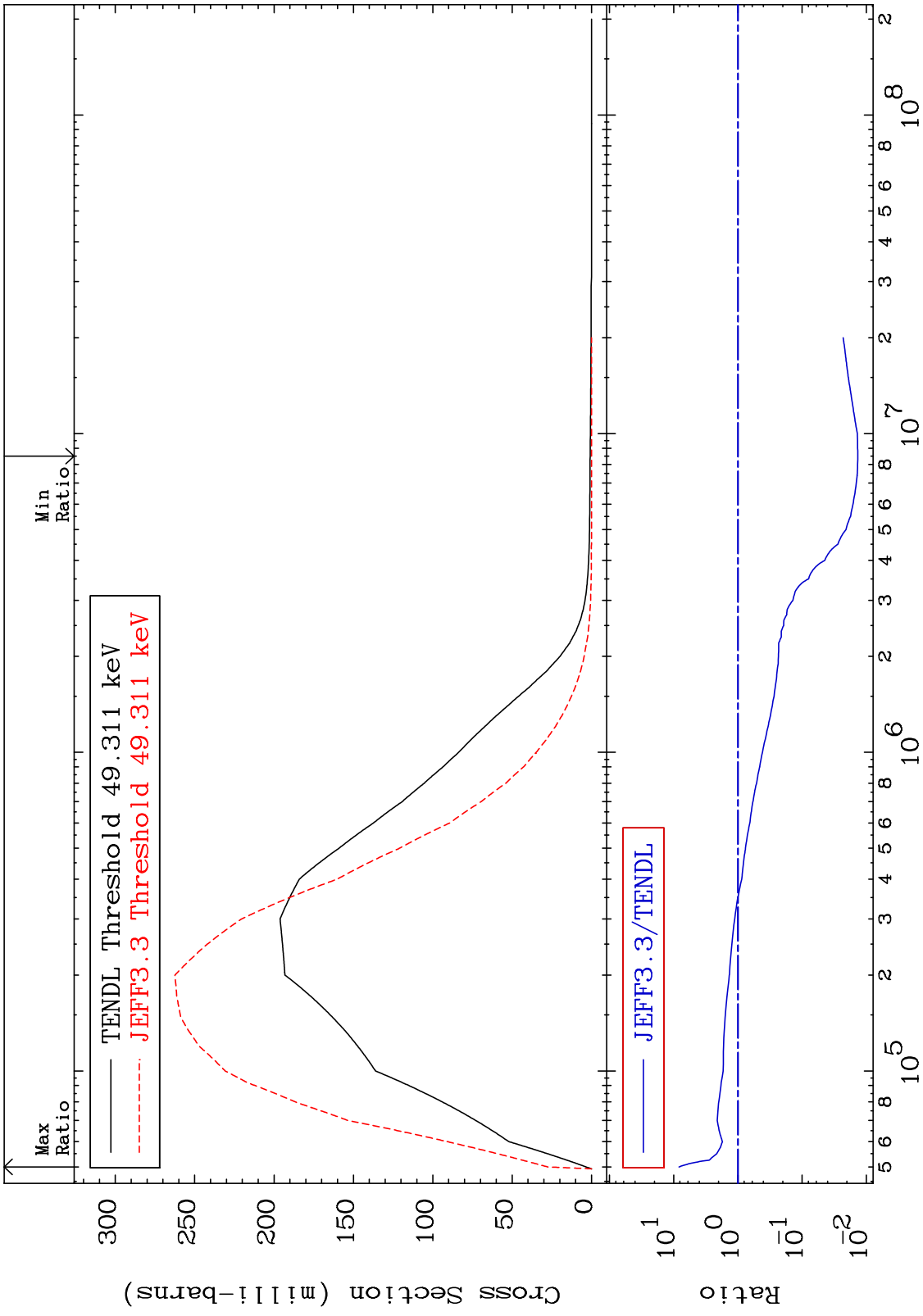
Incident Energy (eV)

93-Np-235

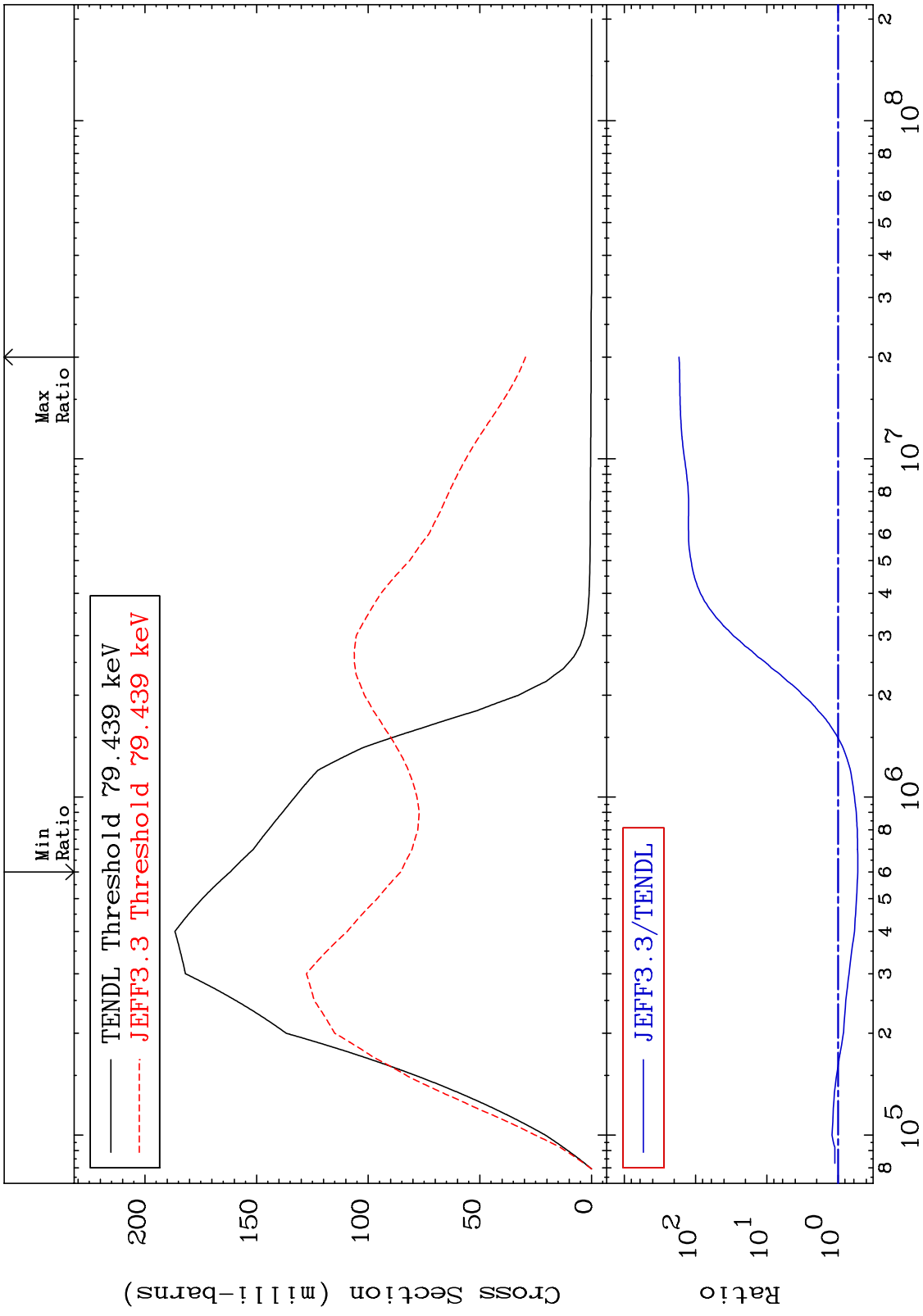
MAT 9340      MT= 51 (n,n') Level Cross Section      93-Np-235  
 -24.68 To 9999. %



MAT 9340      MT= 52 (n,n') Level Cross Section      93-Np-235  
 -98.65 To 725.8 %

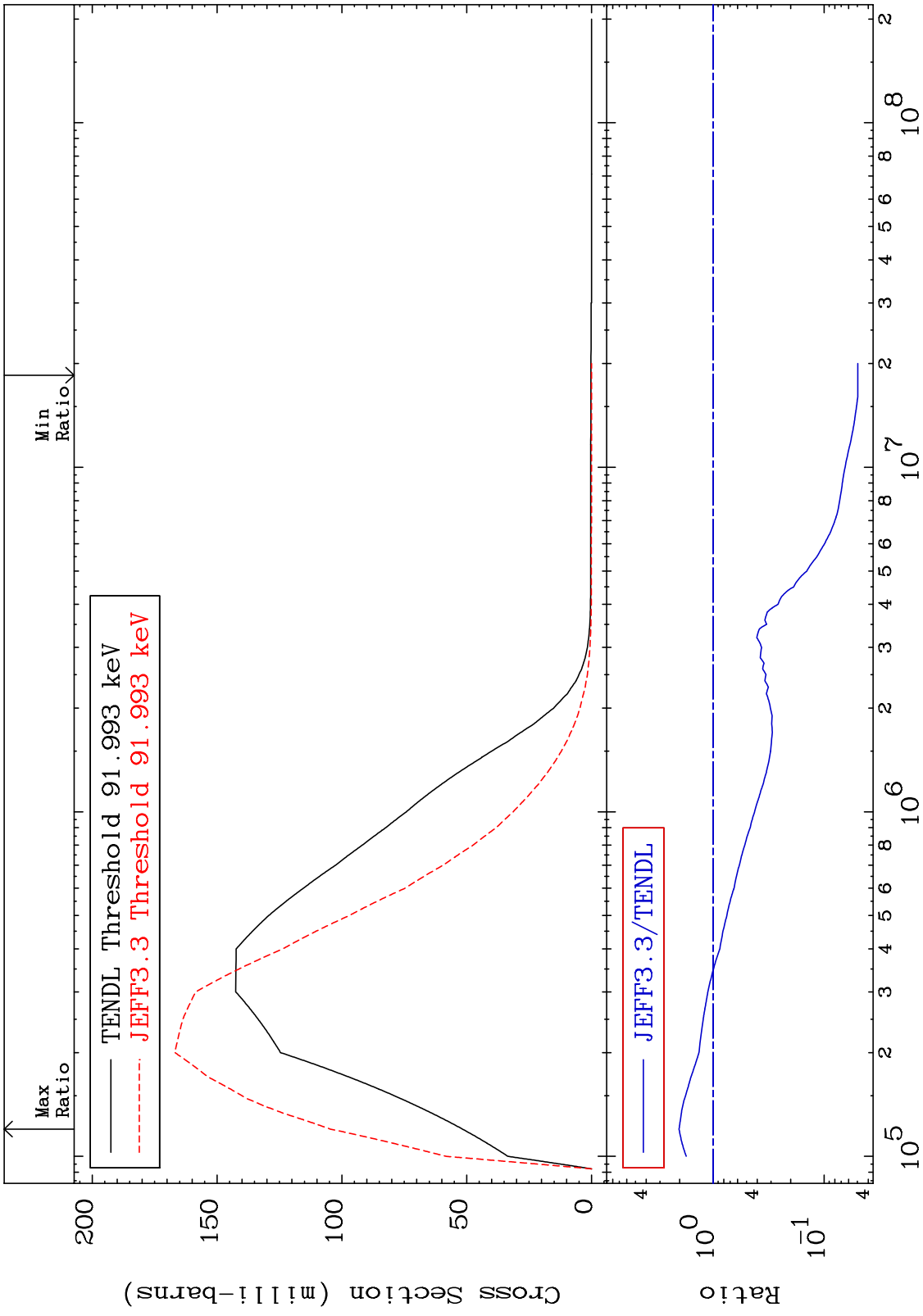


MAT 9340      MT= 53 (n,n') Level      93-Np-235  
 Cross Section      -47.20 To 9999. %



13      Incident Energy (eV)      93-Np-235

MAT 9340 MT= 54 (n,n') Level Cross Section 93-Np-235  
 -95.04 To 102.3 %

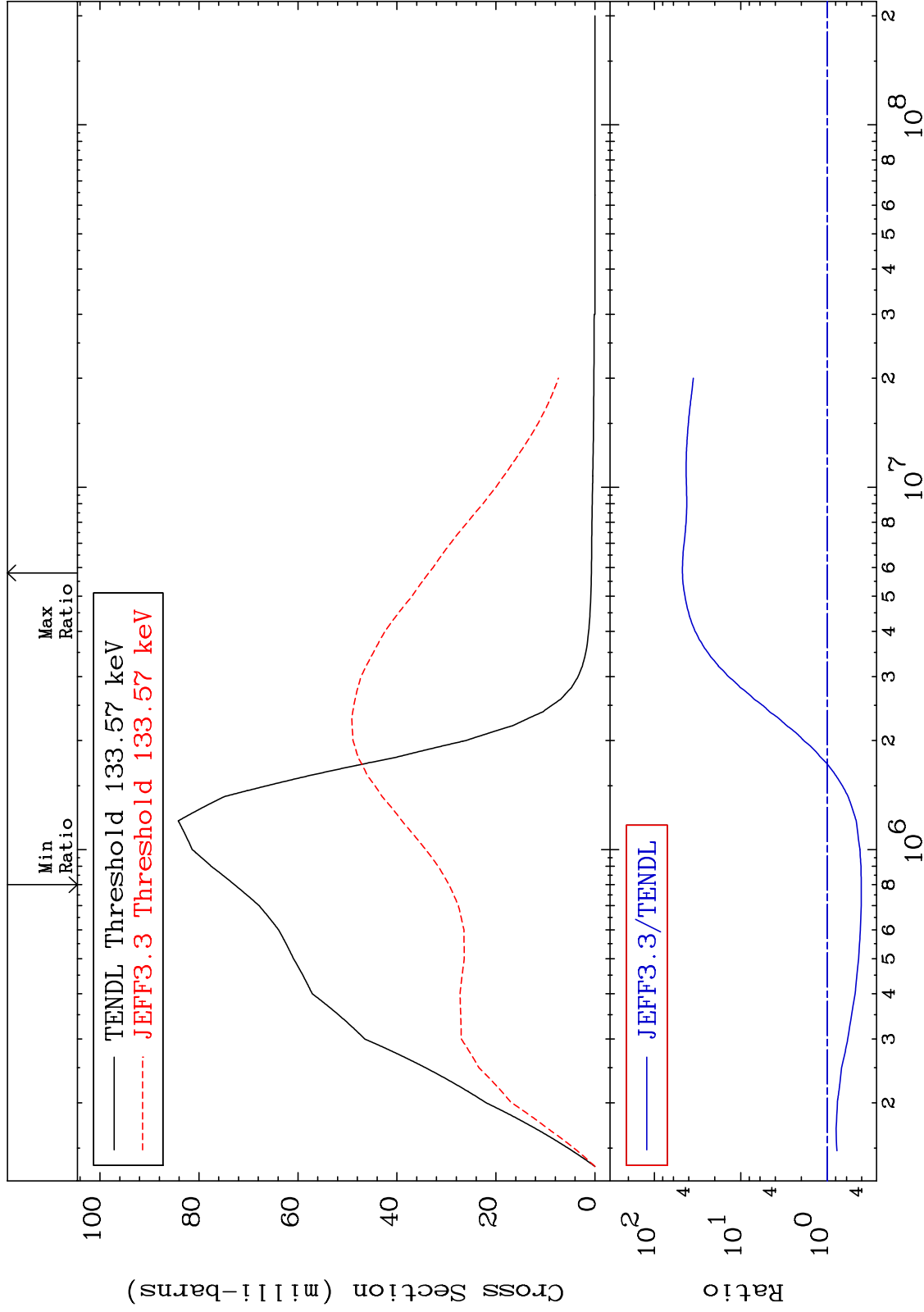


14 93-Np-235

MAT 9340

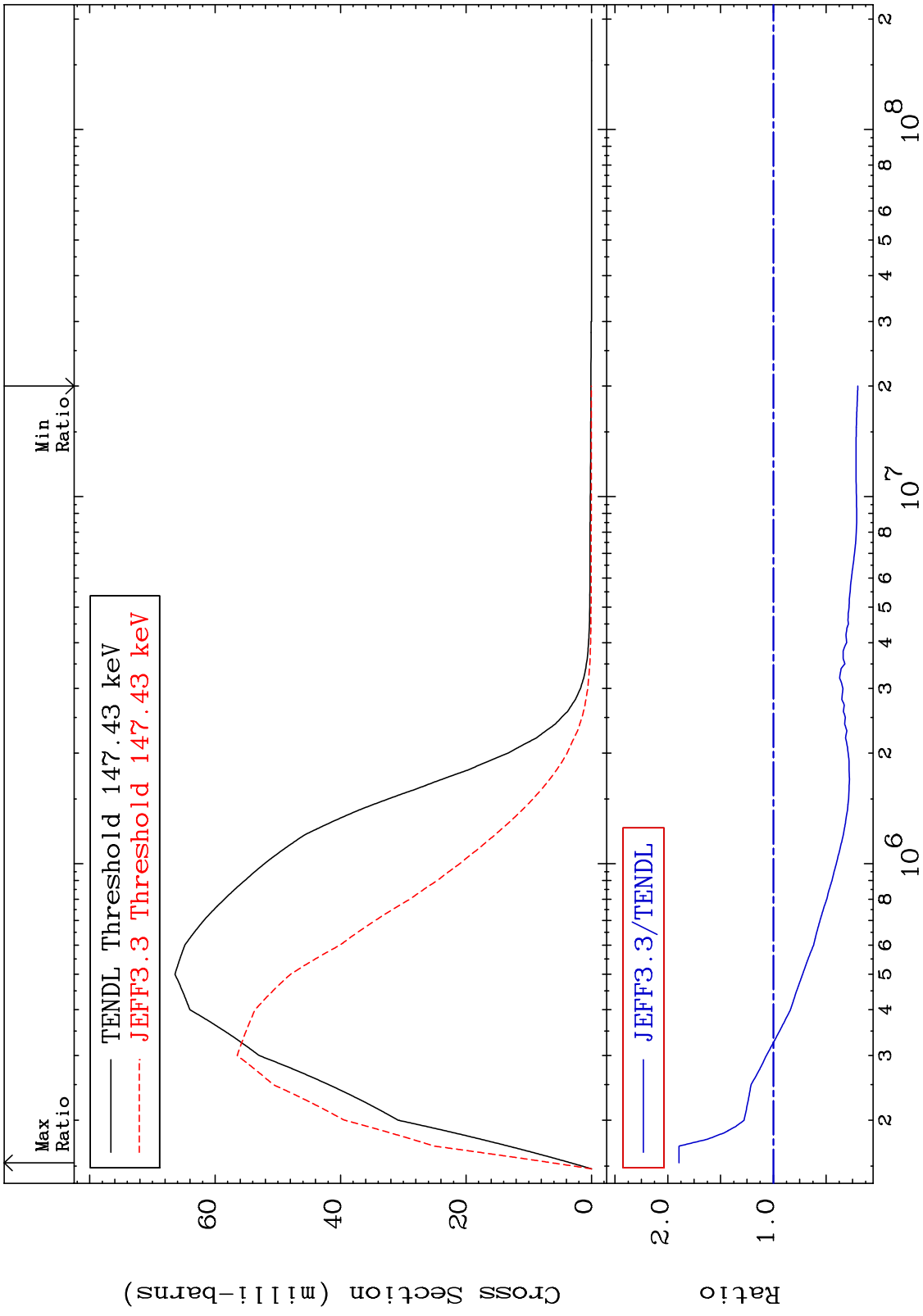
MT= 55 (n,n') Level  
Cross Section

93-Np-235  
-59.51 To 4629. %

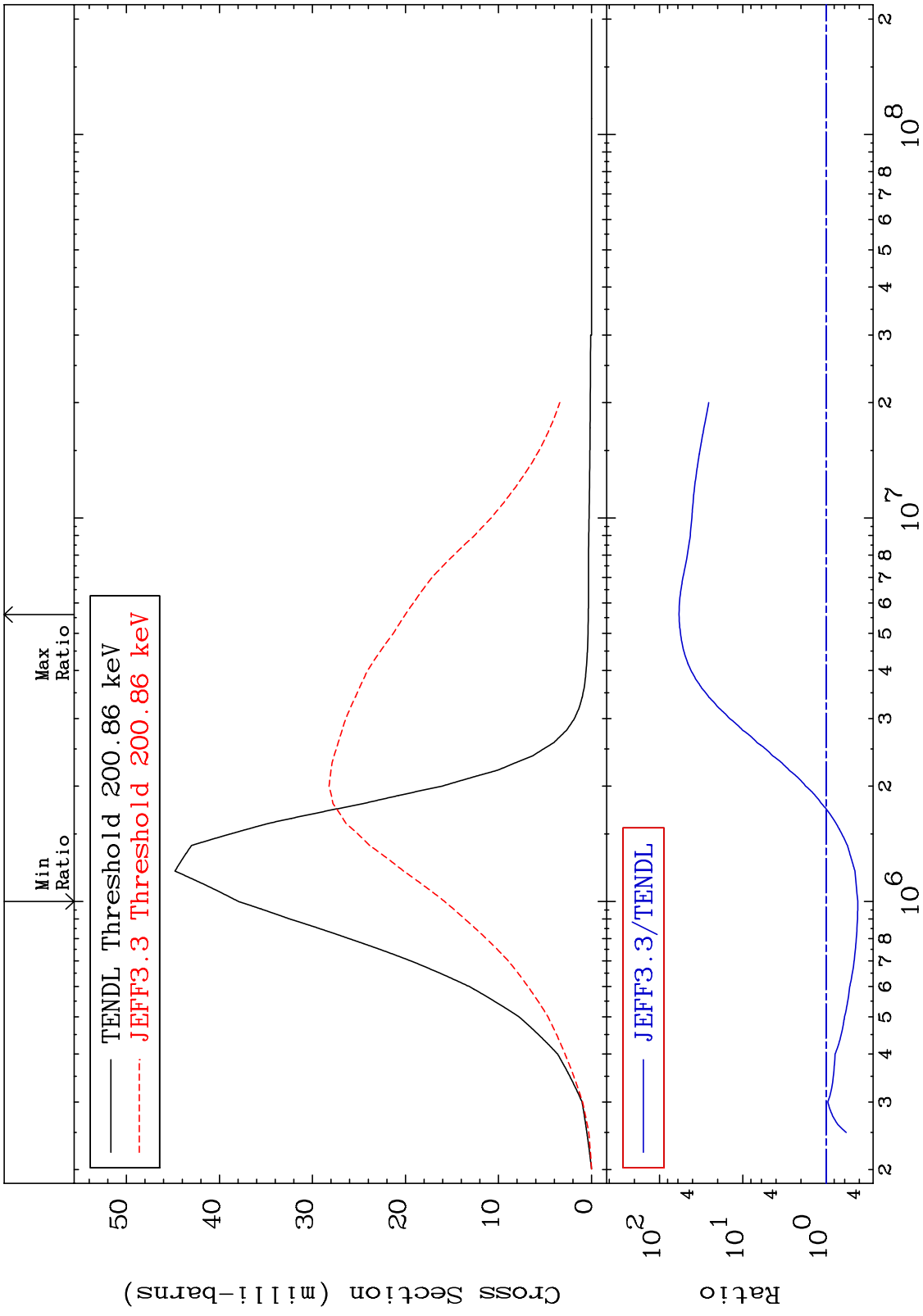




MAT 9340      MT= 56 (n,n') Level Cross Section      93-Np-235  
 -80.05 To 89.32 %



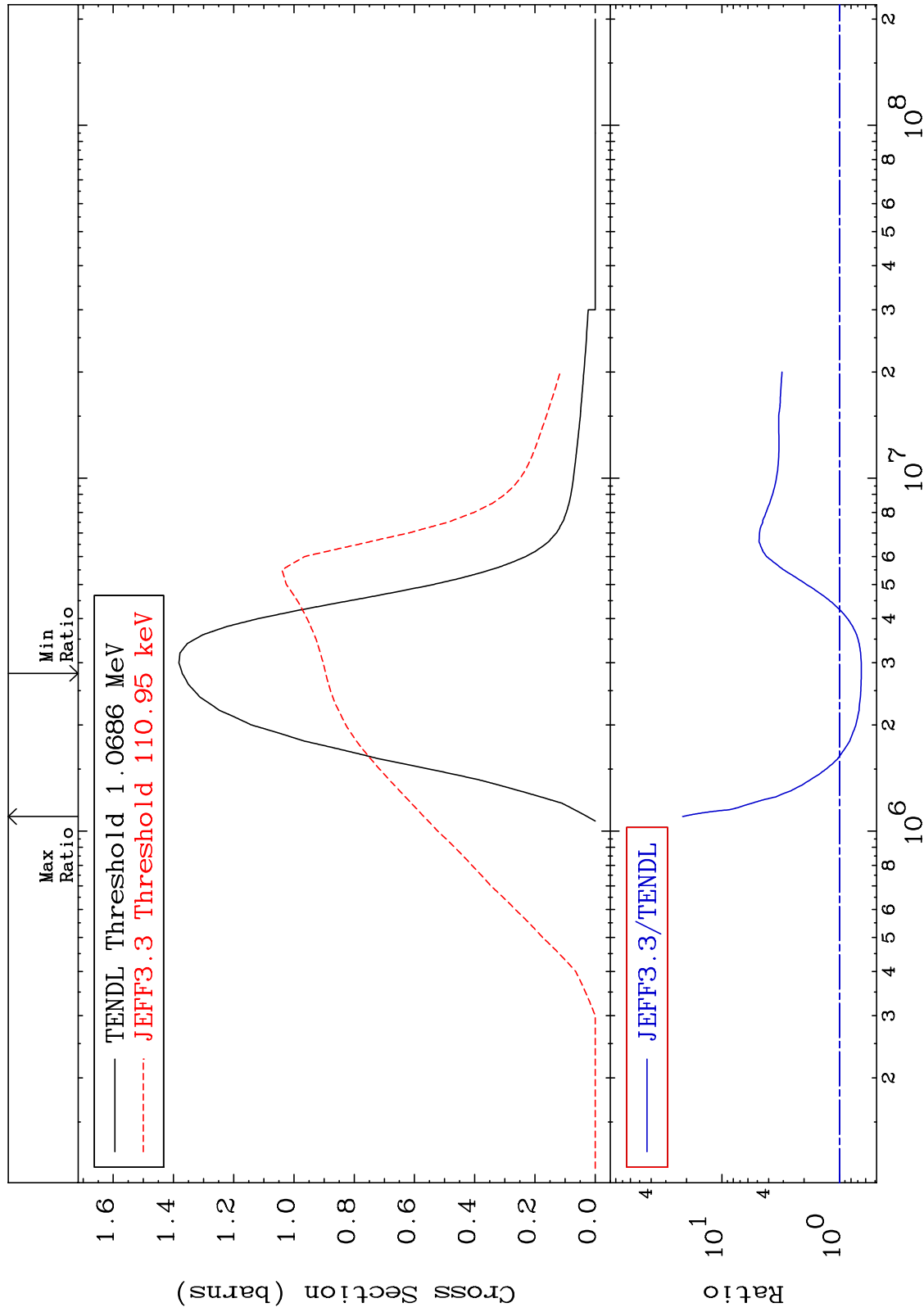
MAT 9340 MT= 57 (n,n') Level Cross Section 93-Np-235  
 -58.38 To 5724. %



MAT 9340

(n, n') Continuum  
Cross Section

93-Np-235  
-34.74 To 2055. %



MAT 9340

(n,  $\gamma$ )

93-Np-235

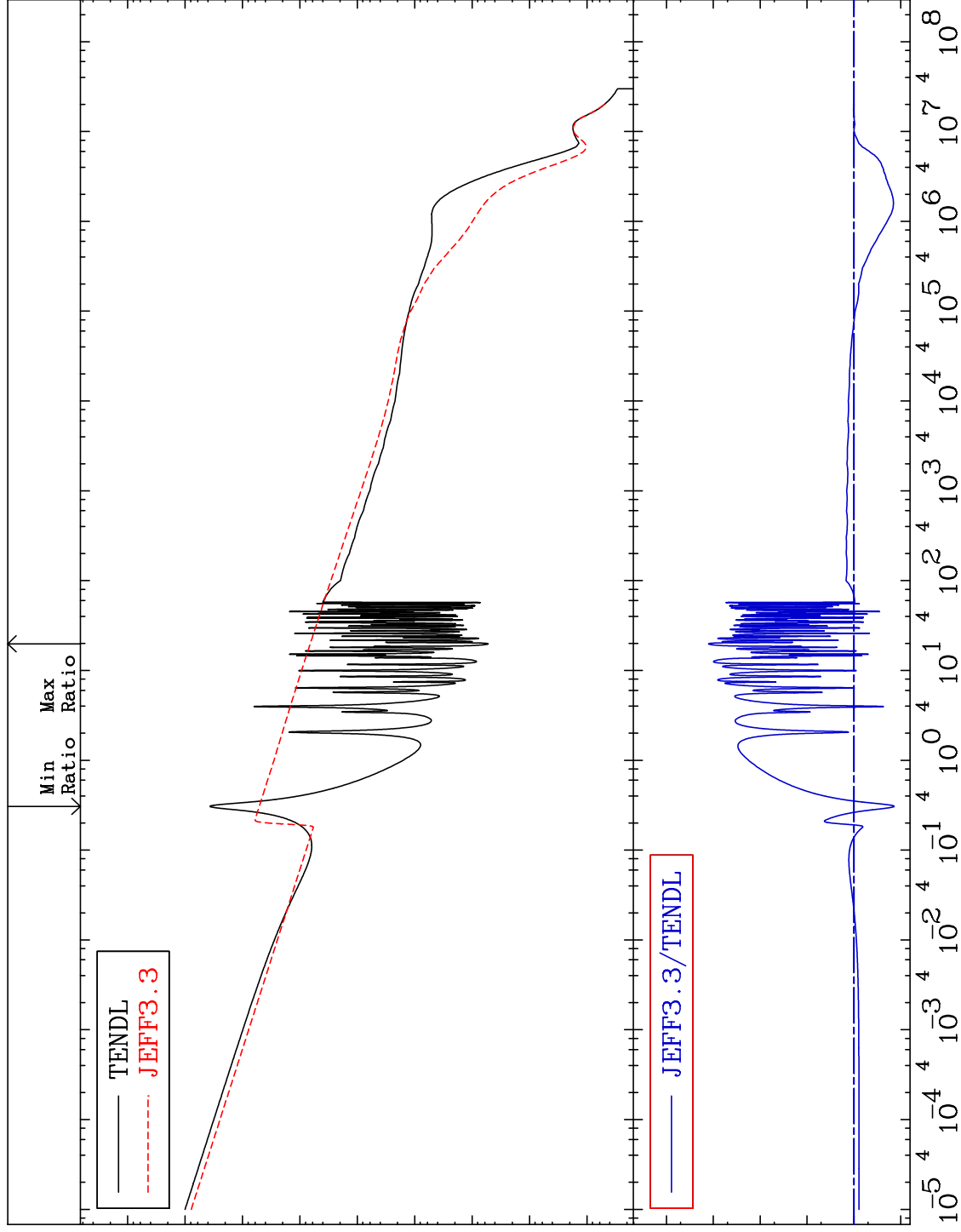
-86.18 To 9999. %

Cross Section

Min Ratio

TENDL  
JEFF3.3

Cross Section (barns)  
 $10^5$   
 $10^4$   
 $10^3$   
 $10^2$   
 $10^1$   
 $10^0$   
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$



JEFF3.3/TENDL

Ratio  
 $10^2$   
 $10^0$

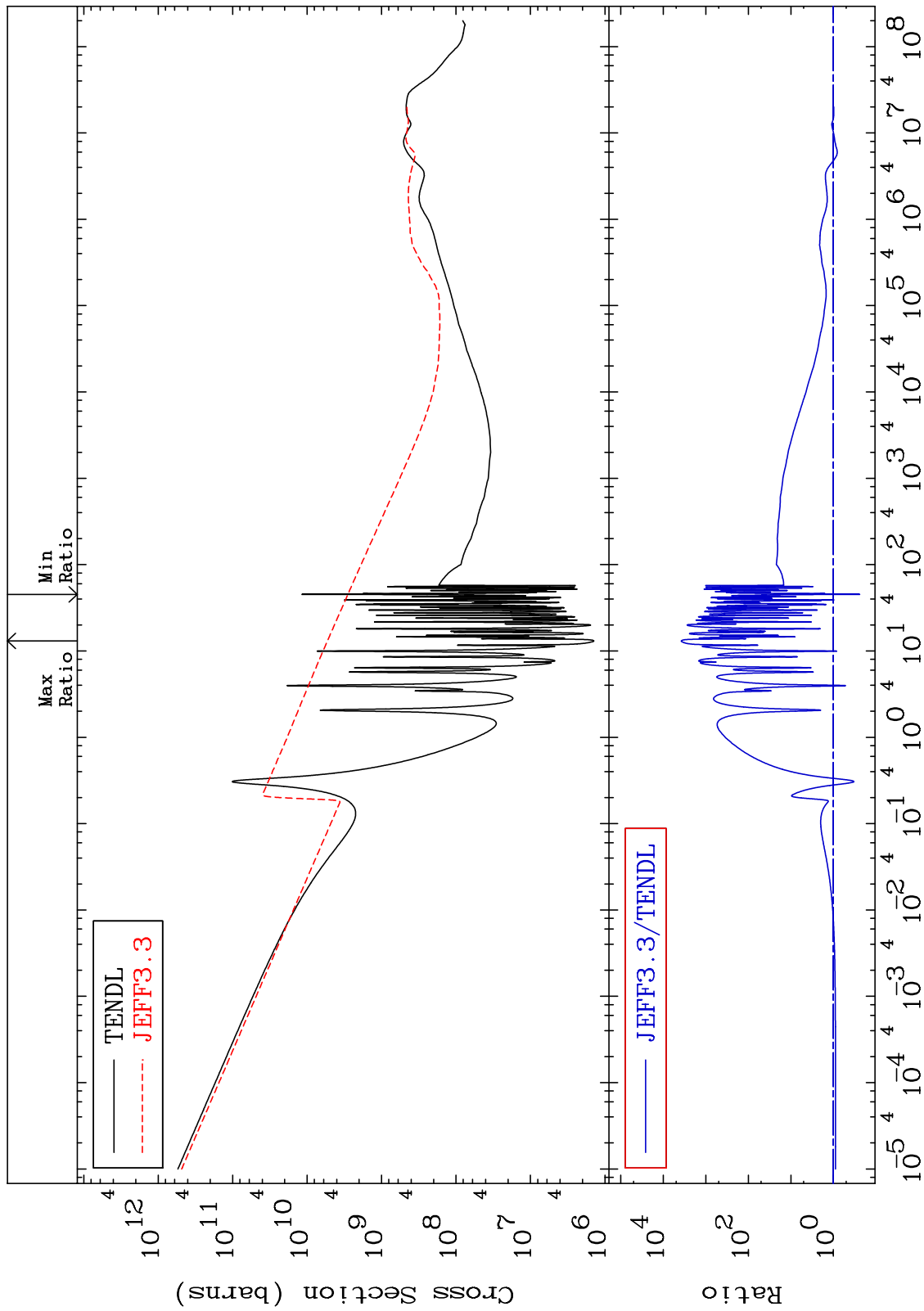
Incident Energy (eV)

93-Np-235

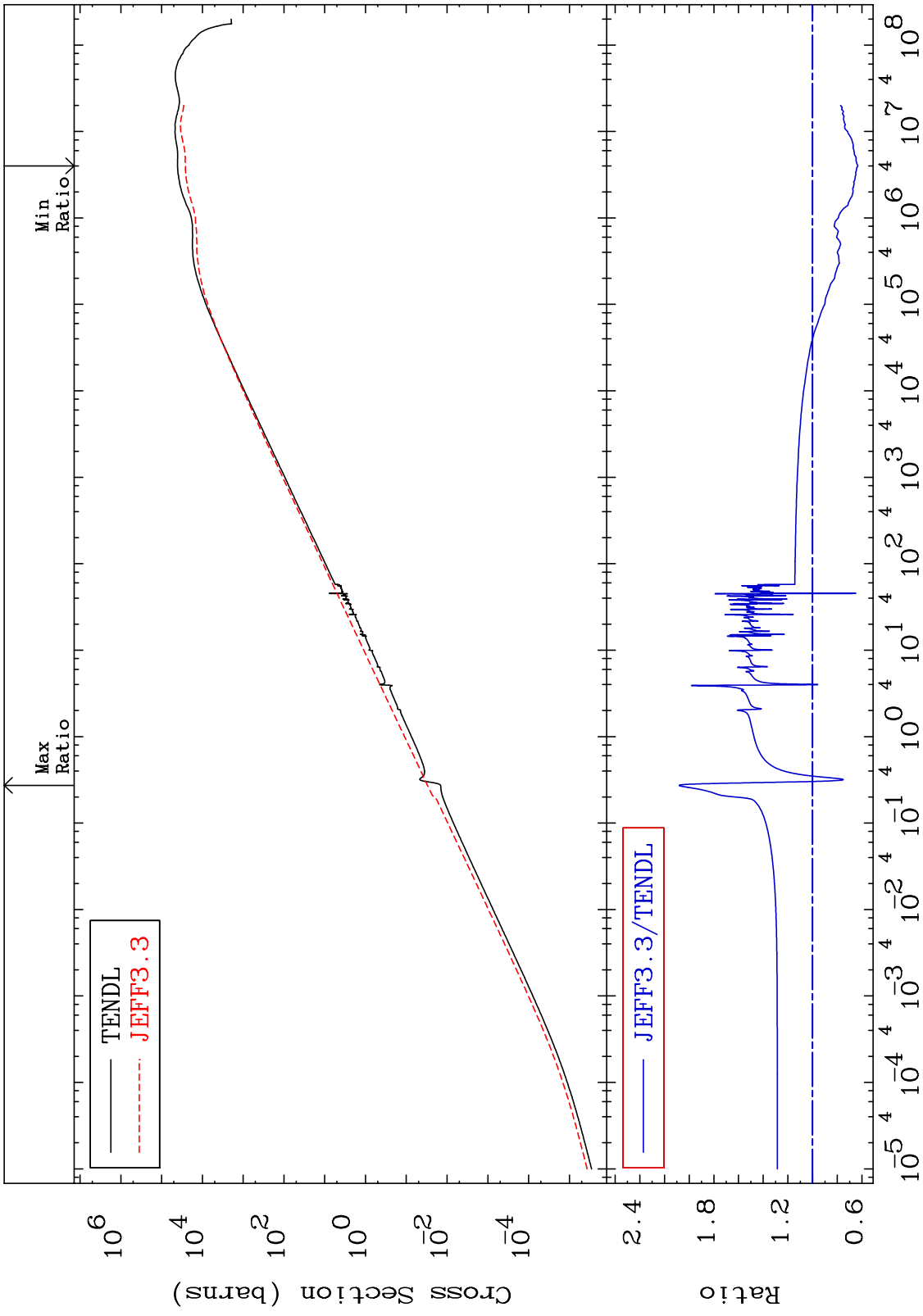
MAT 9340

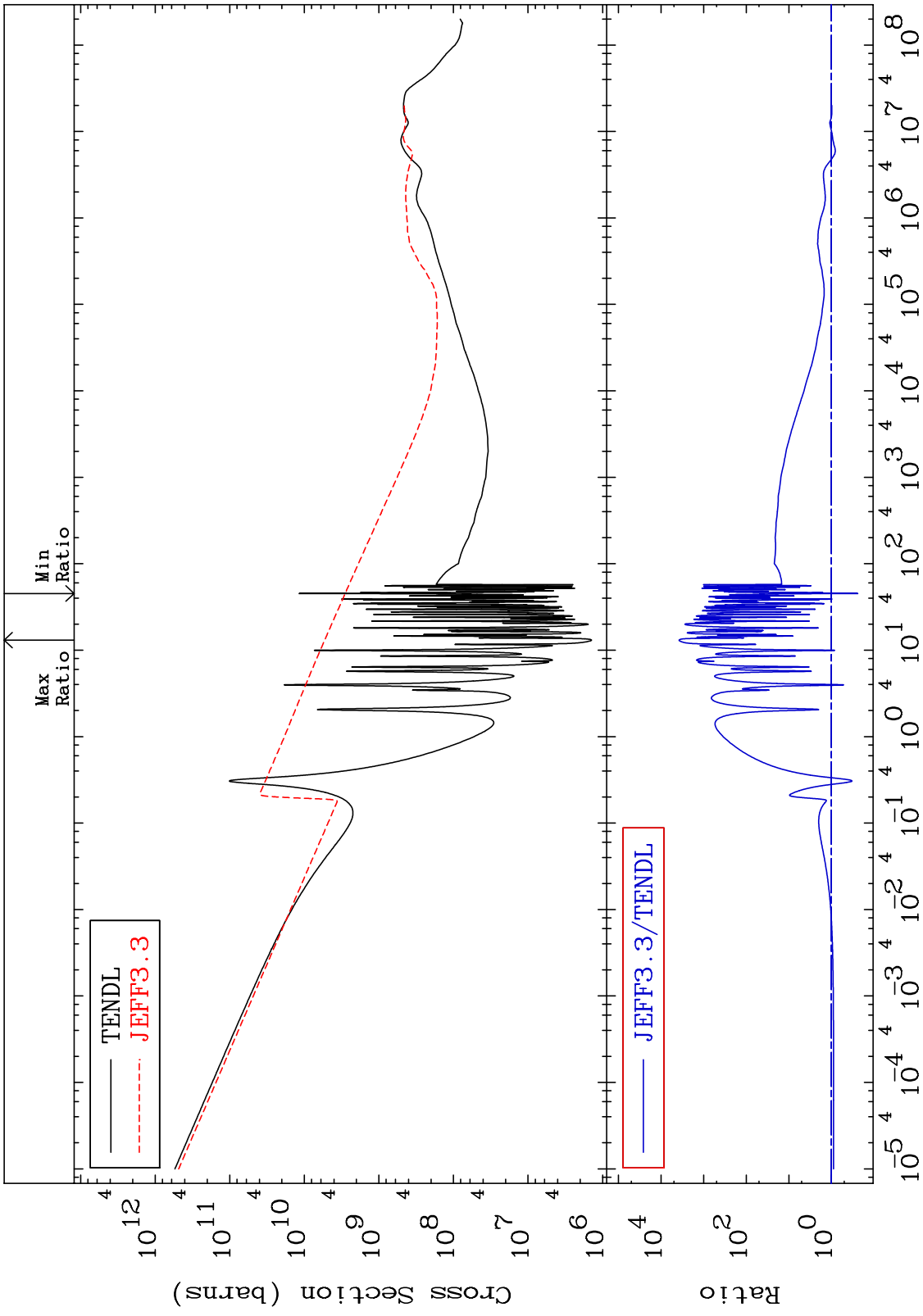
Kerma total (eV-barns)  
Cross Section

93-Np-235  
-76.04 To 9999. %

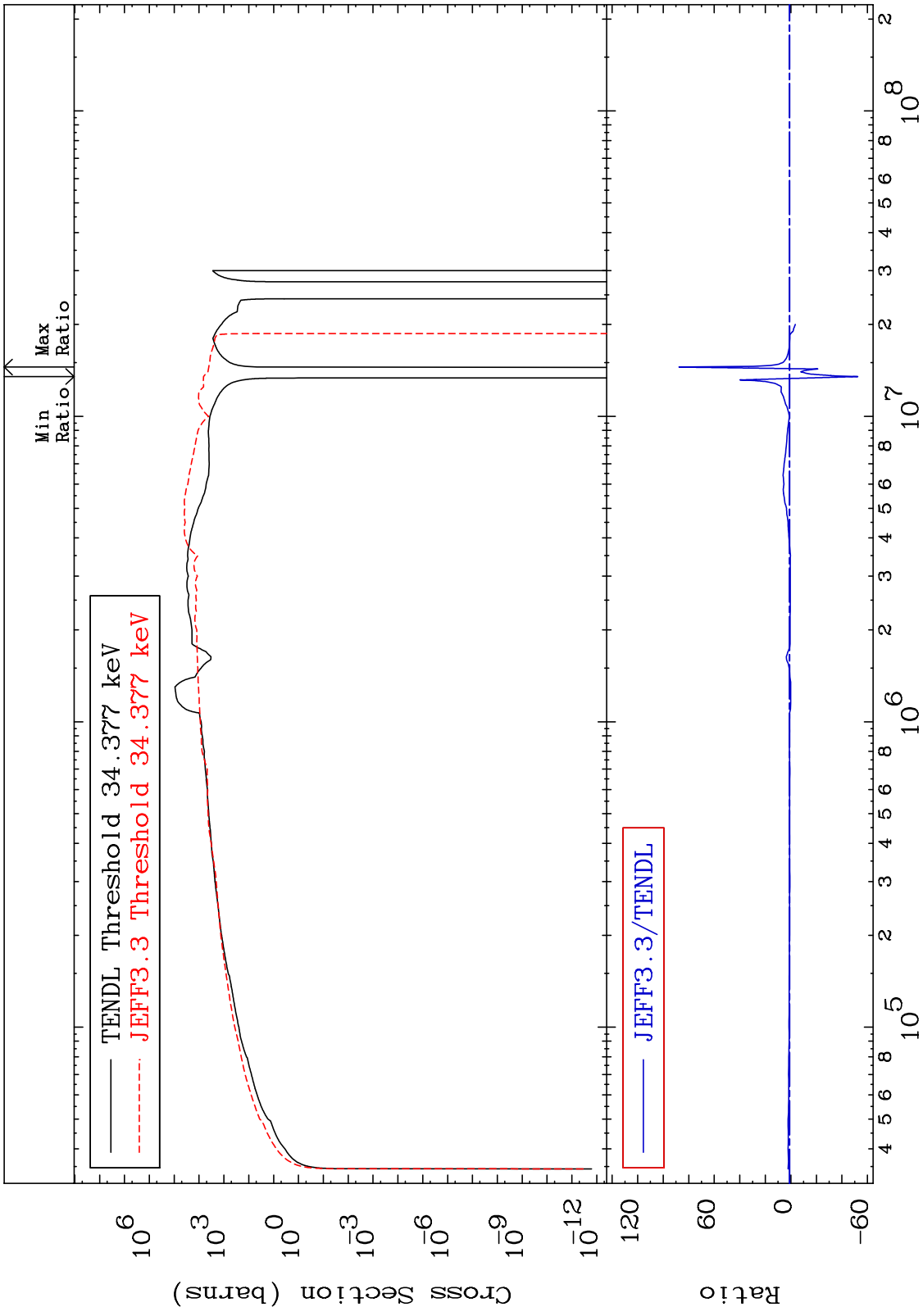


MAT 9340 93-Np-235  
 Kerma elastic Cross Section -36.63 To 108.2 %





MAT 9340 Kerma inelastic (mt51-91) 93-Np-235  
 Cross Section -5346. To 8659. %





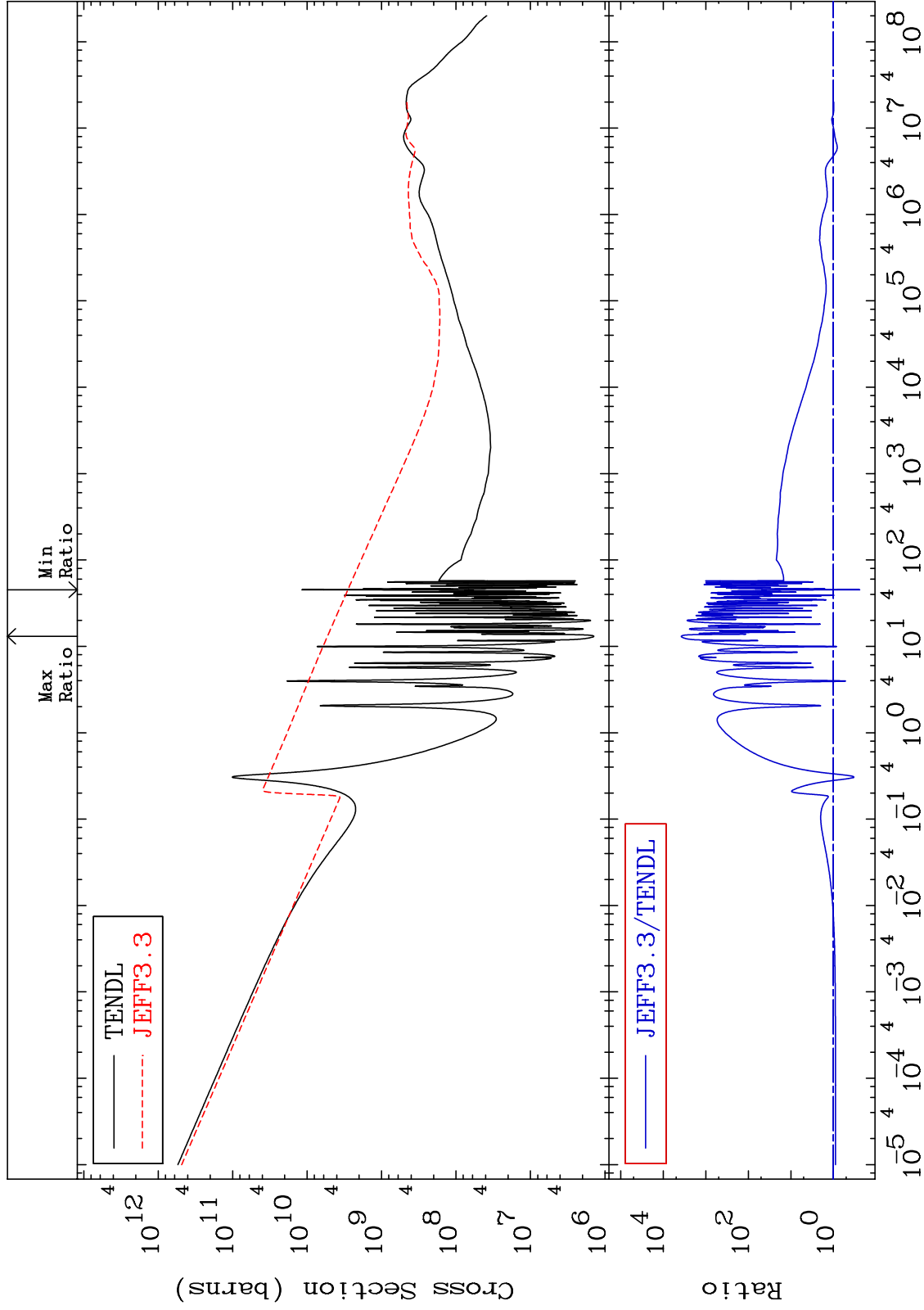
MAT 9340

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

93-Np-235

-76.04 To 9999. %

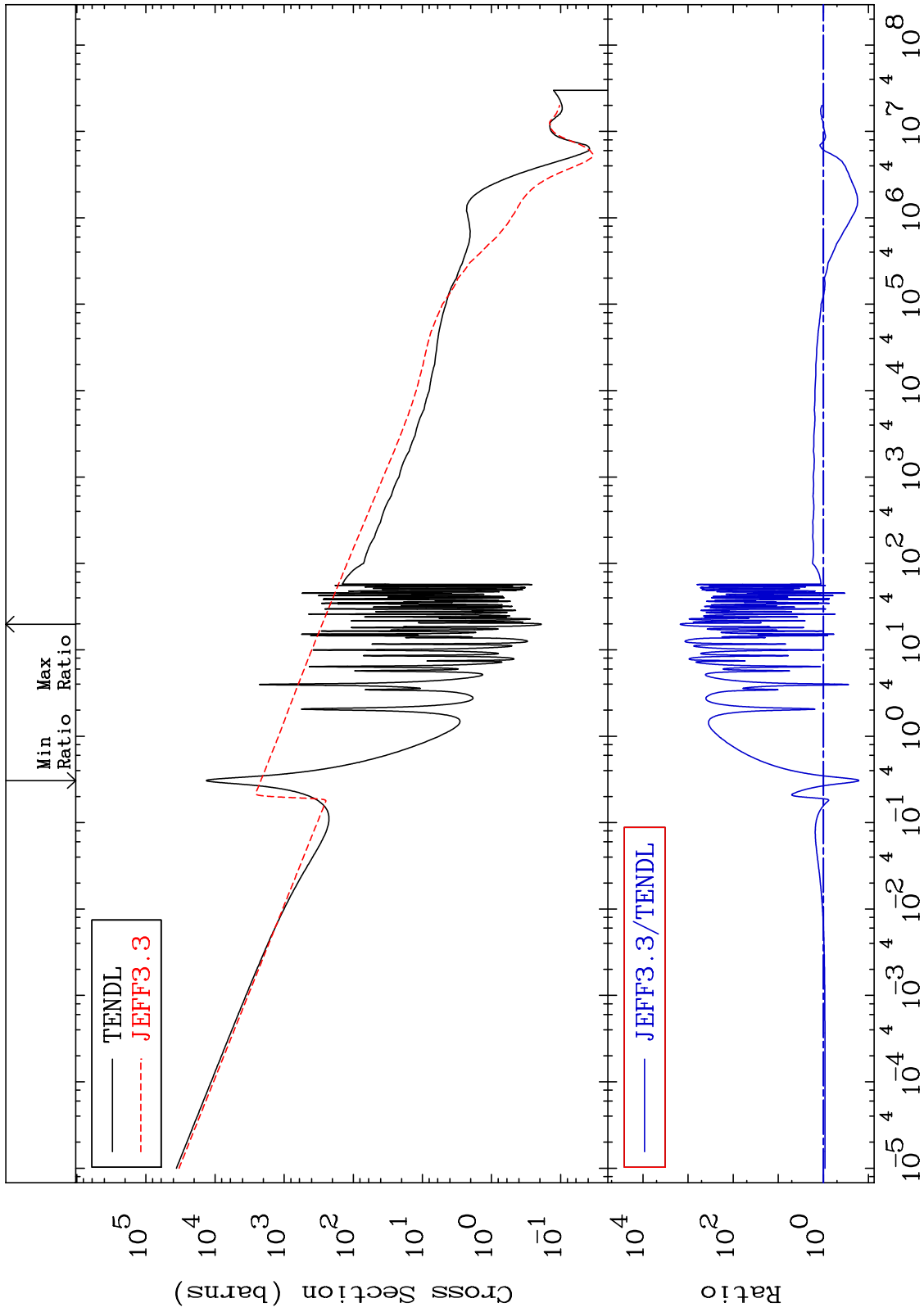
Cross Section



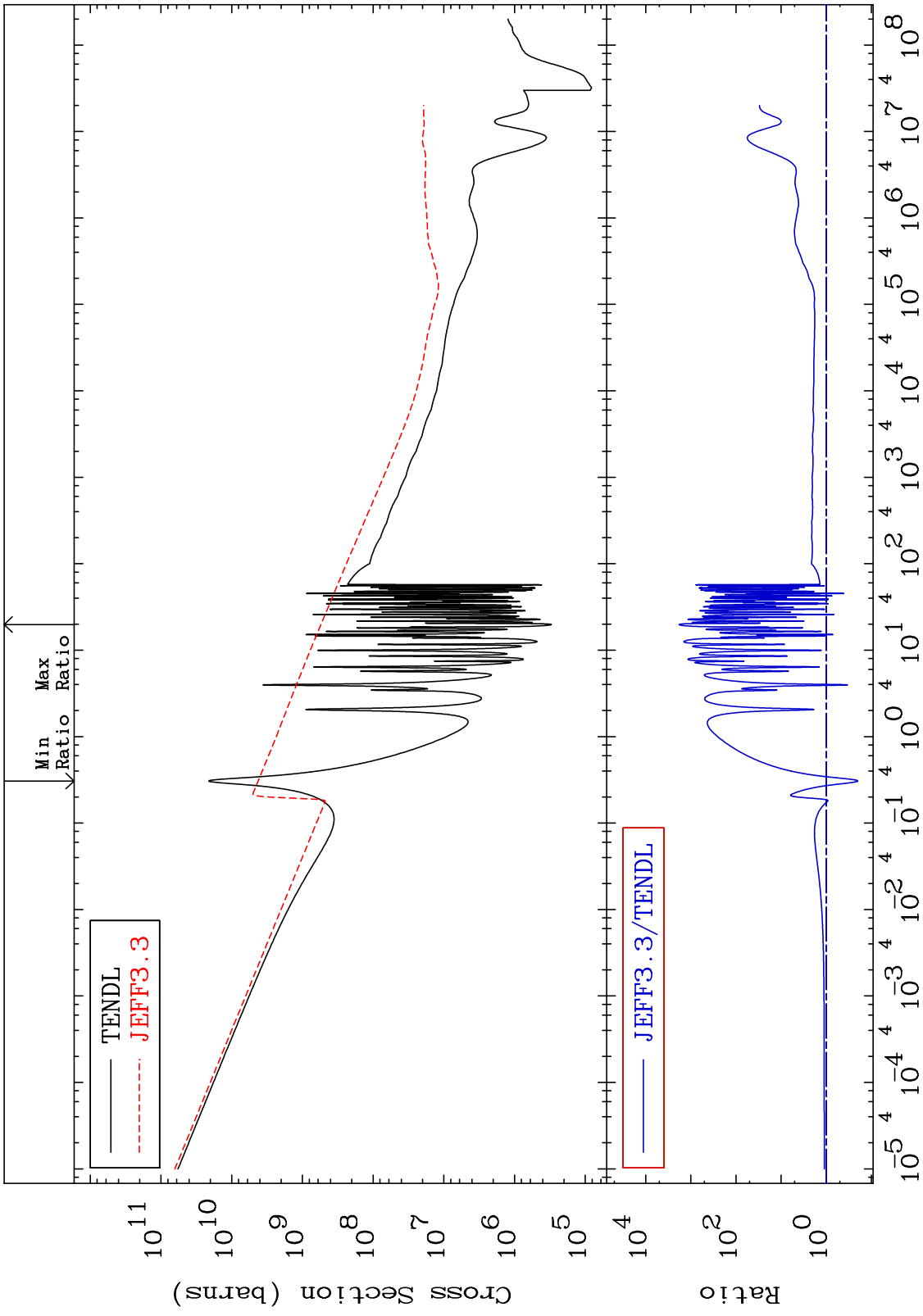
MAT 9340

Kerma capture (mt102)  
Cross Section

93-Np-235  
-83.70 To 9999. %



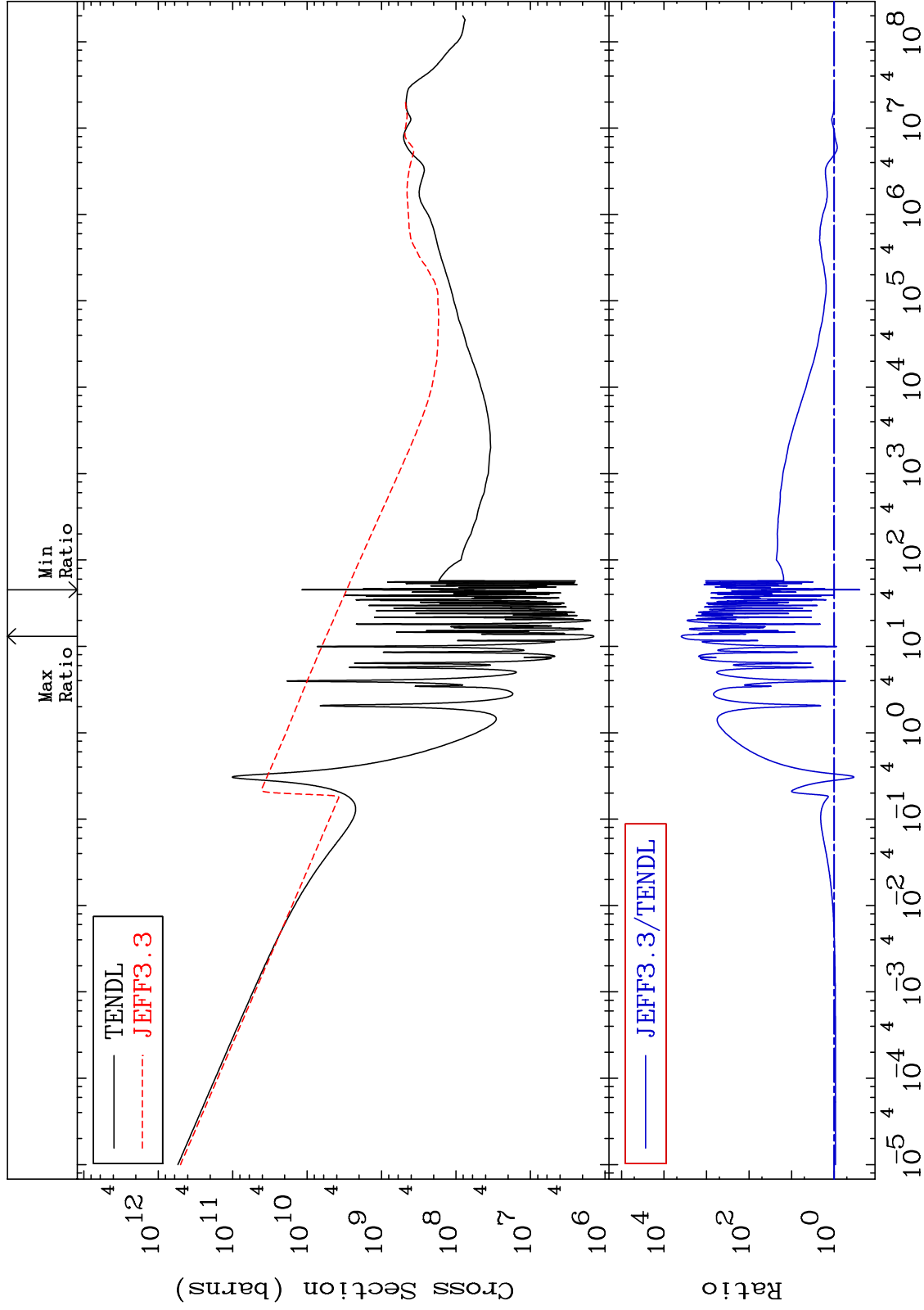
MAT 9340 93-Np-235  
-80.07 To 9999. %  
 Total photon (eV-barns)  
 Cross Section



MAT 9340

Total kinematic kerma (high limit)  
Cross Section

93-Np-235  
-75.11 To 9999. %



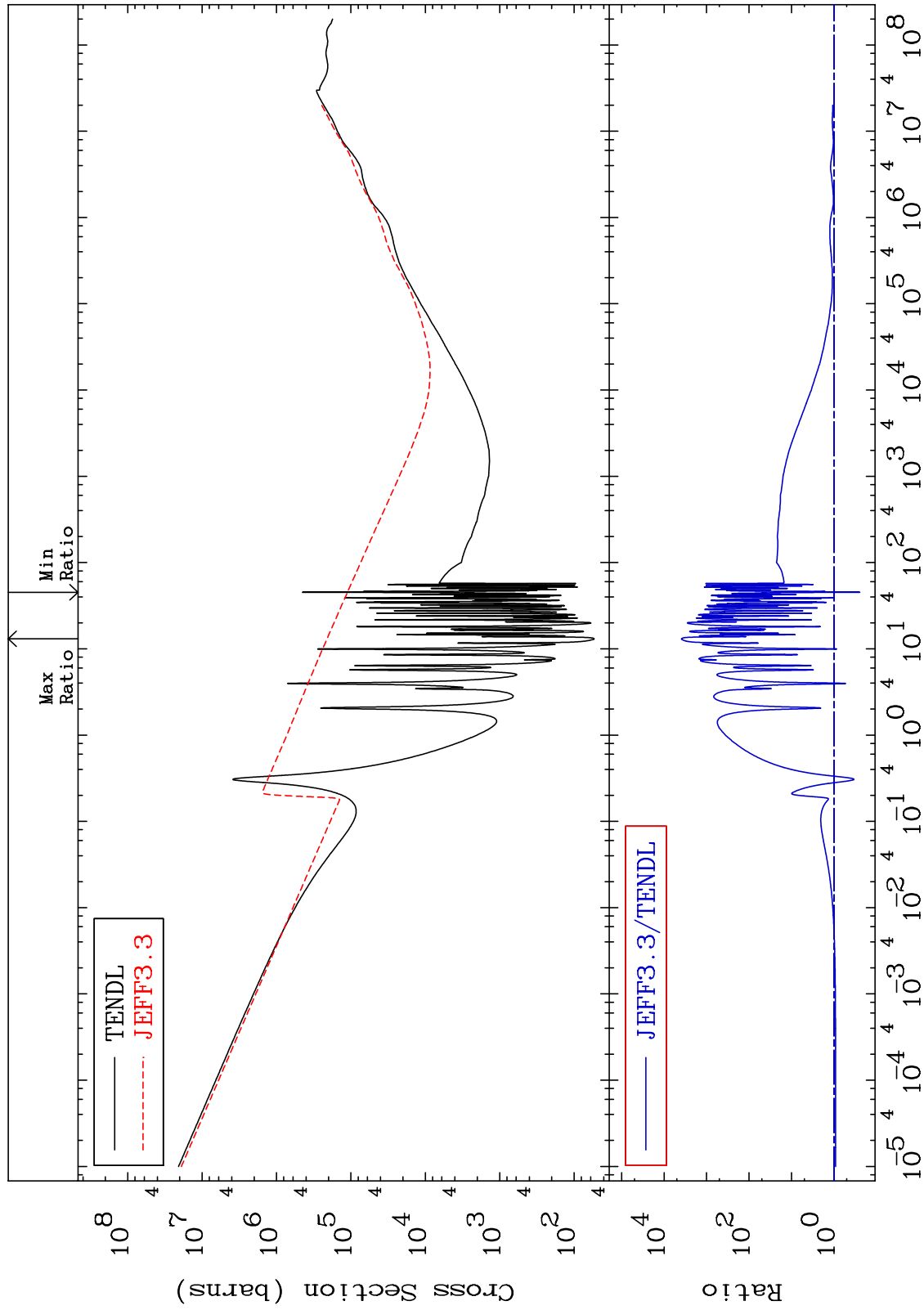
MAT 9340

Dpa total (eV-barns)

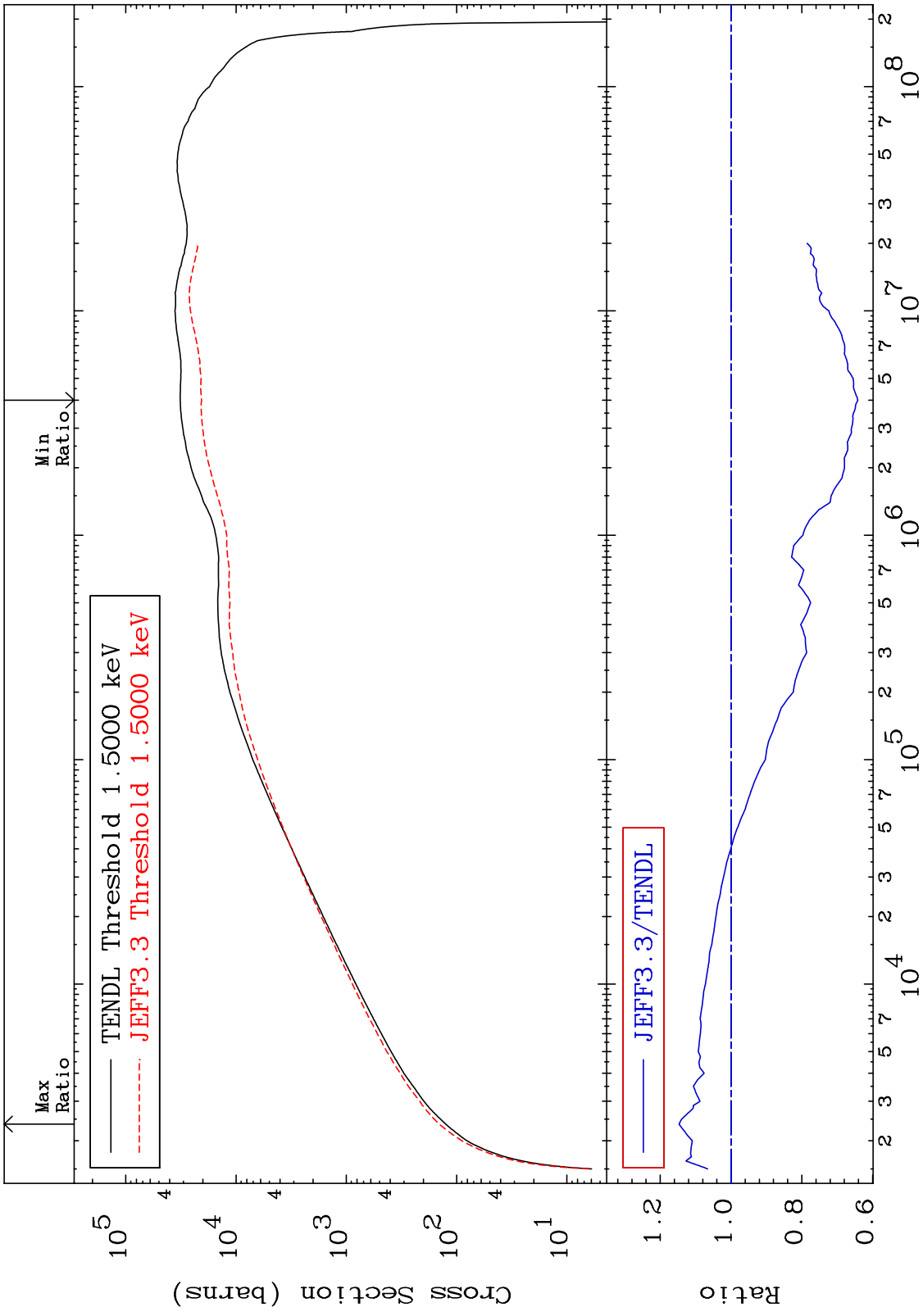
93-Np-235

-75.32 To 9999. %

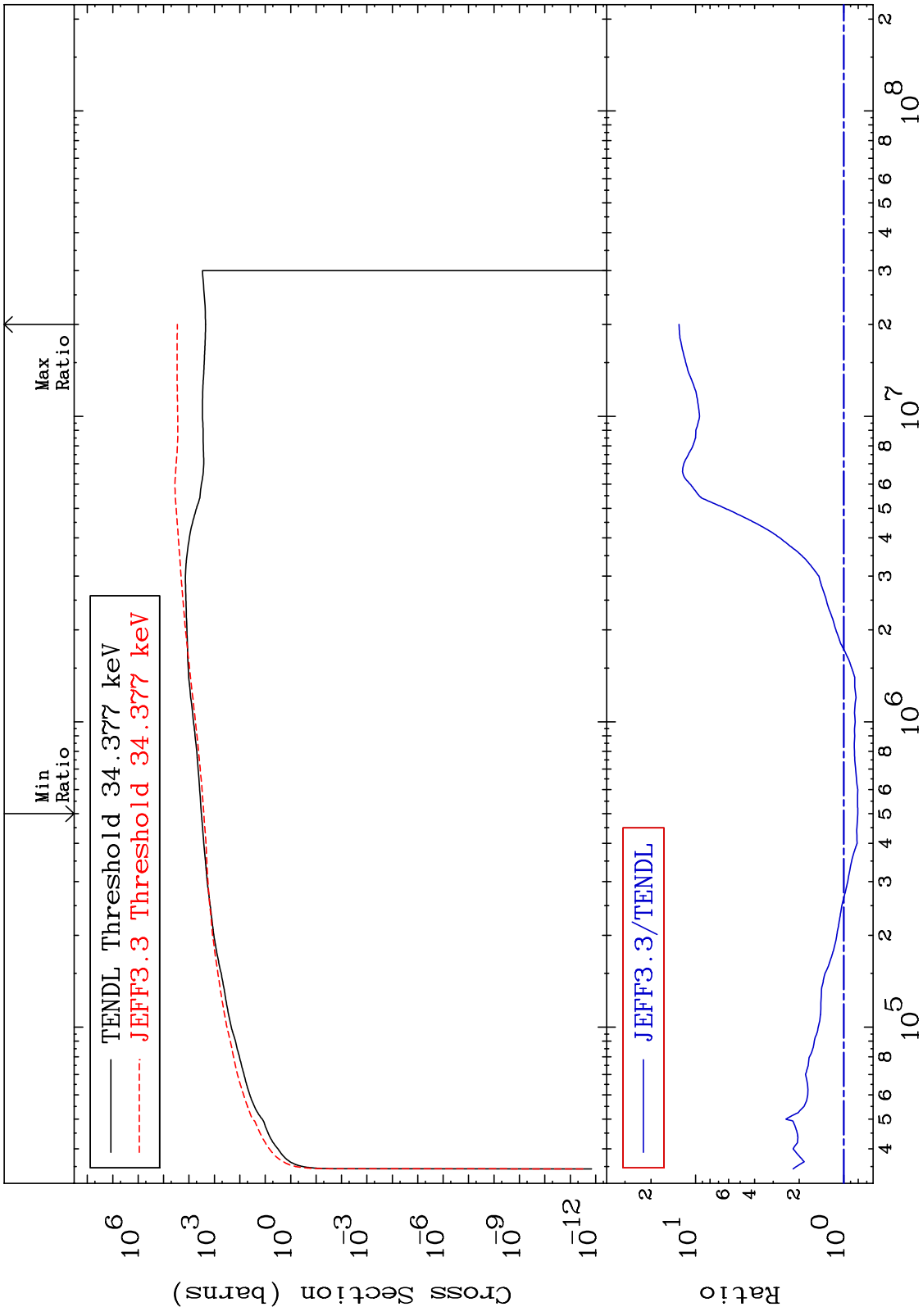
Cross Section



MAT 9340 93-Np-235  
 Dpa elastic (mt2) -35.81 To 14.68 %  
 Cross Section



MAT 9340      Dpa inelastic (mt51-91)      93-Np-235  
 Cross Section      -19.57 To 1195. %



MAT 9340      Dpa disappearance (mt102 -120)      93-Np-235  
 Cross Section      -100.0 To 9999. %

