

Program Complot  
(Version 2021-1)

by

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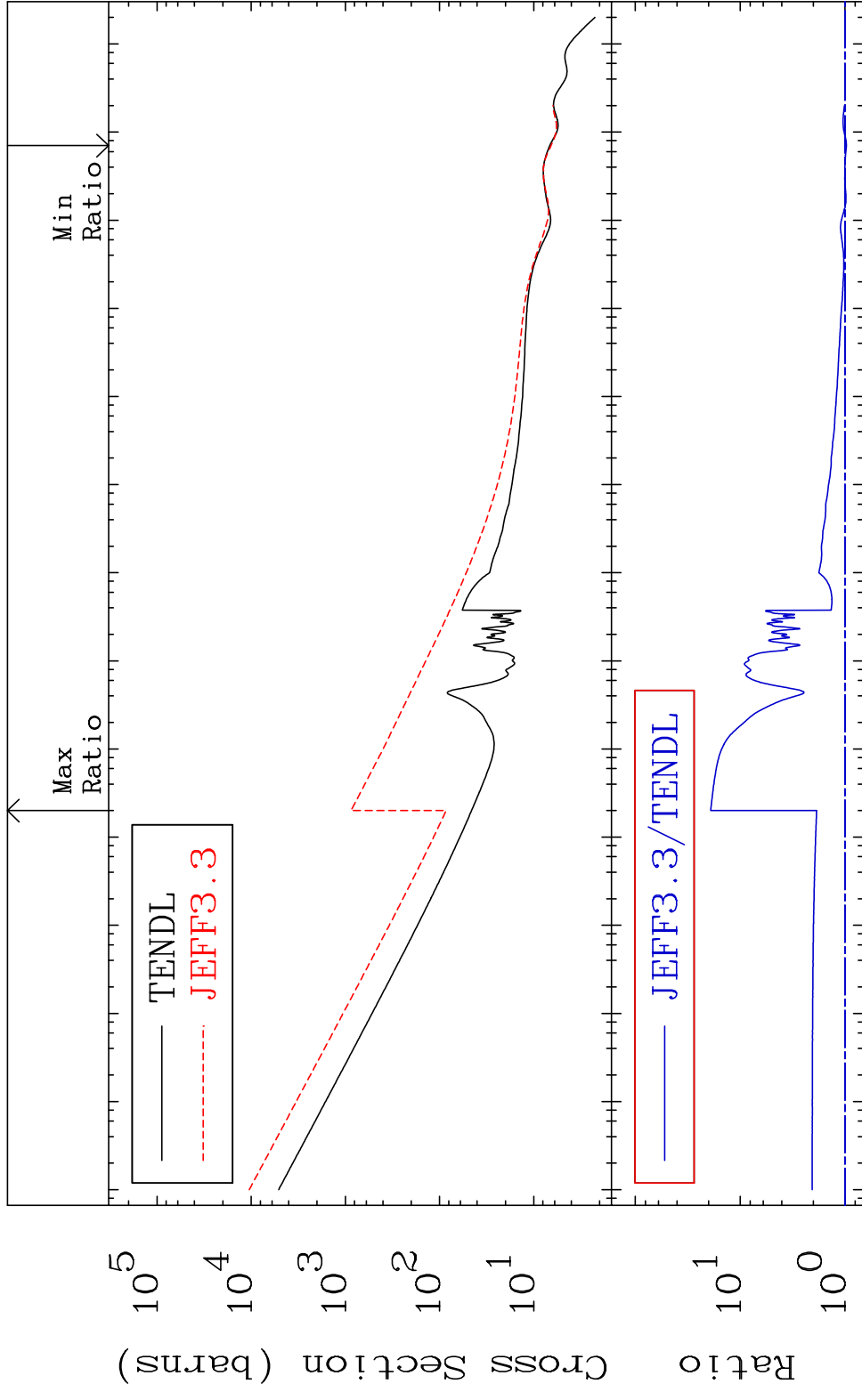
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9340

Total  
Cross Section -3.026 To 1806. %

93-Np-235



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

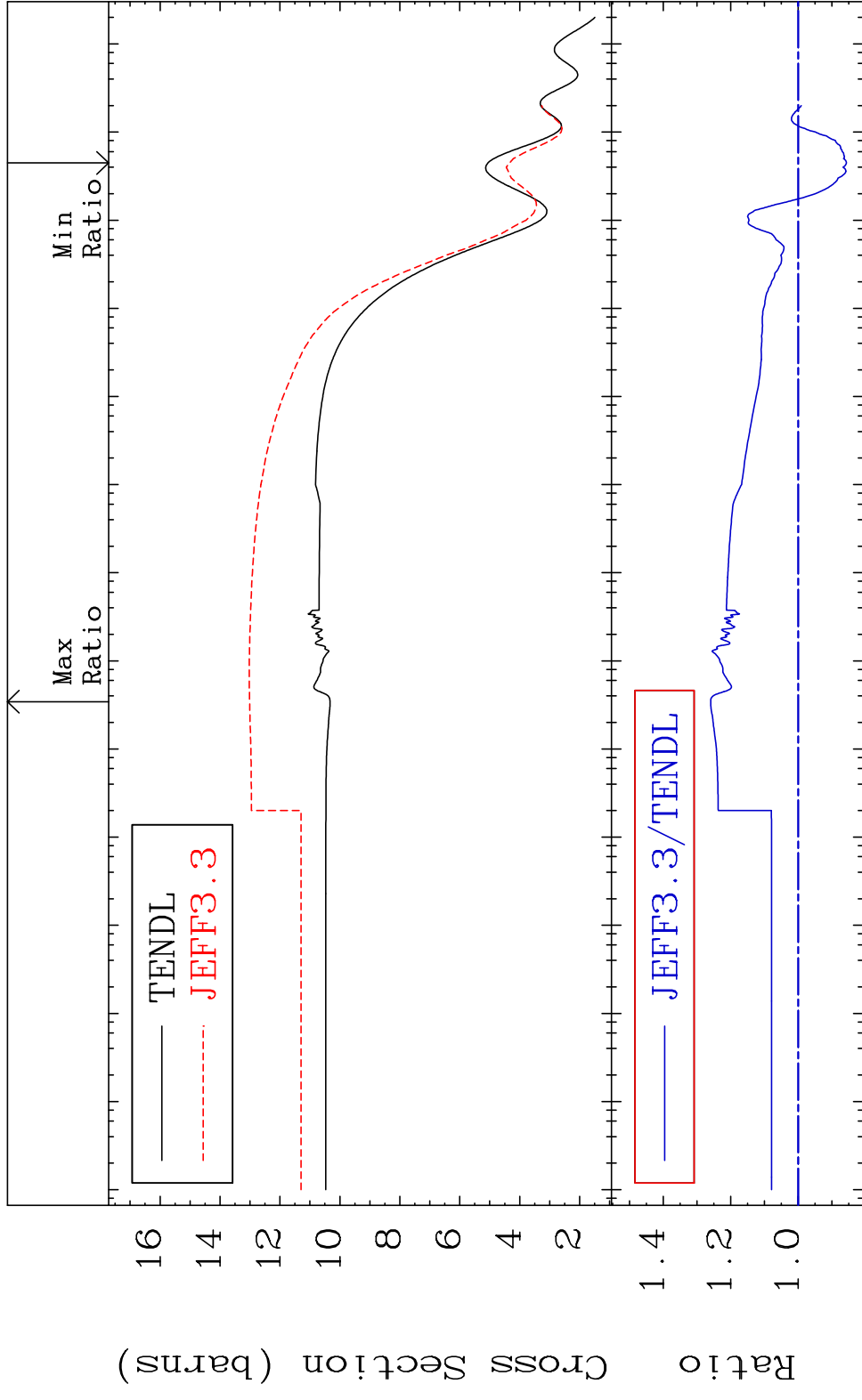
1 Incident Energy (eV) 93-Np-235

MAT 9340

93-Np-235

Elastic

Cross Section -14.25 To 25.95 %



2

Incident Energy (eV)

93-Np-235

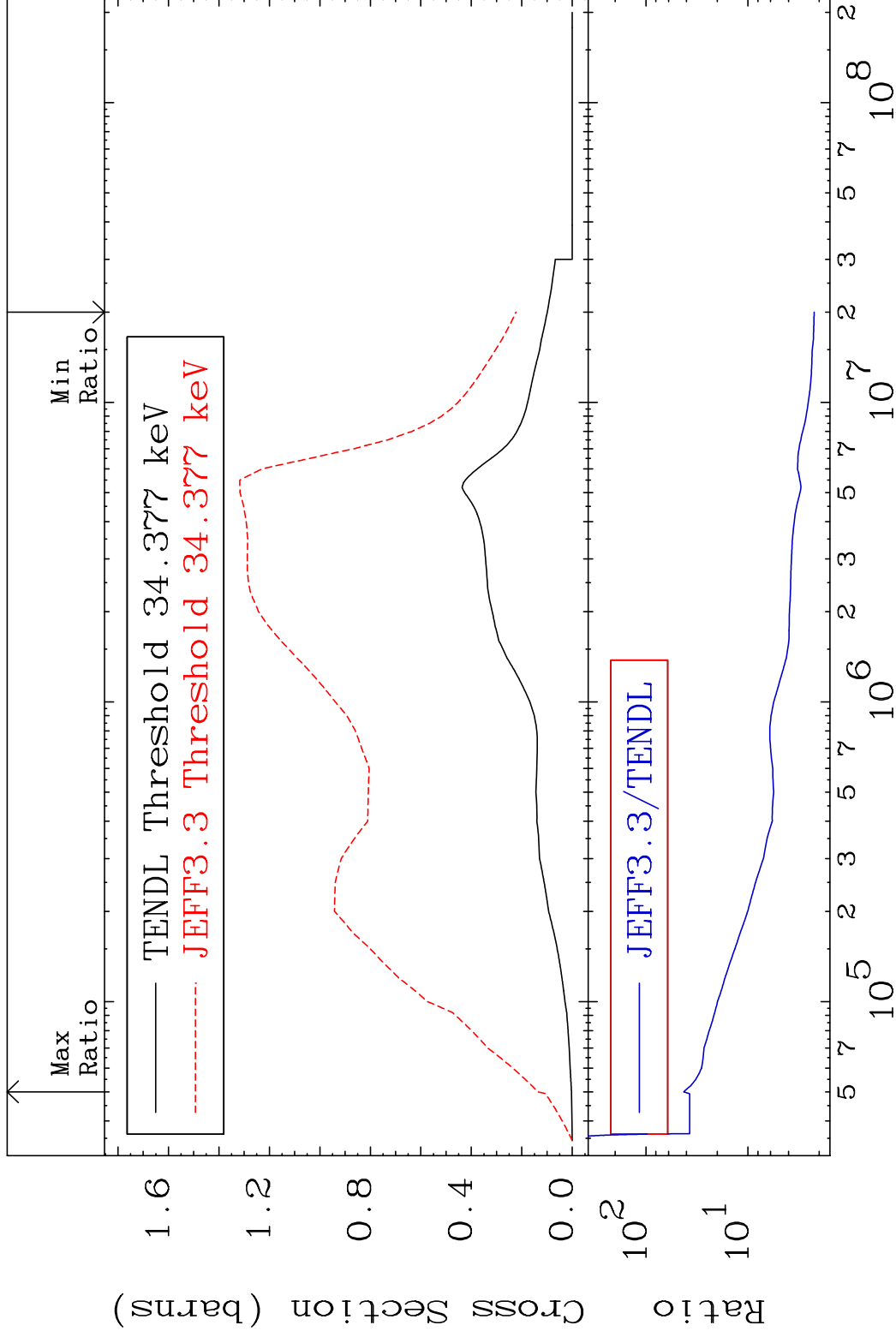
MAT 9340

Inelastic

93-Np-235

Cross Section 124.7

To 4167. %

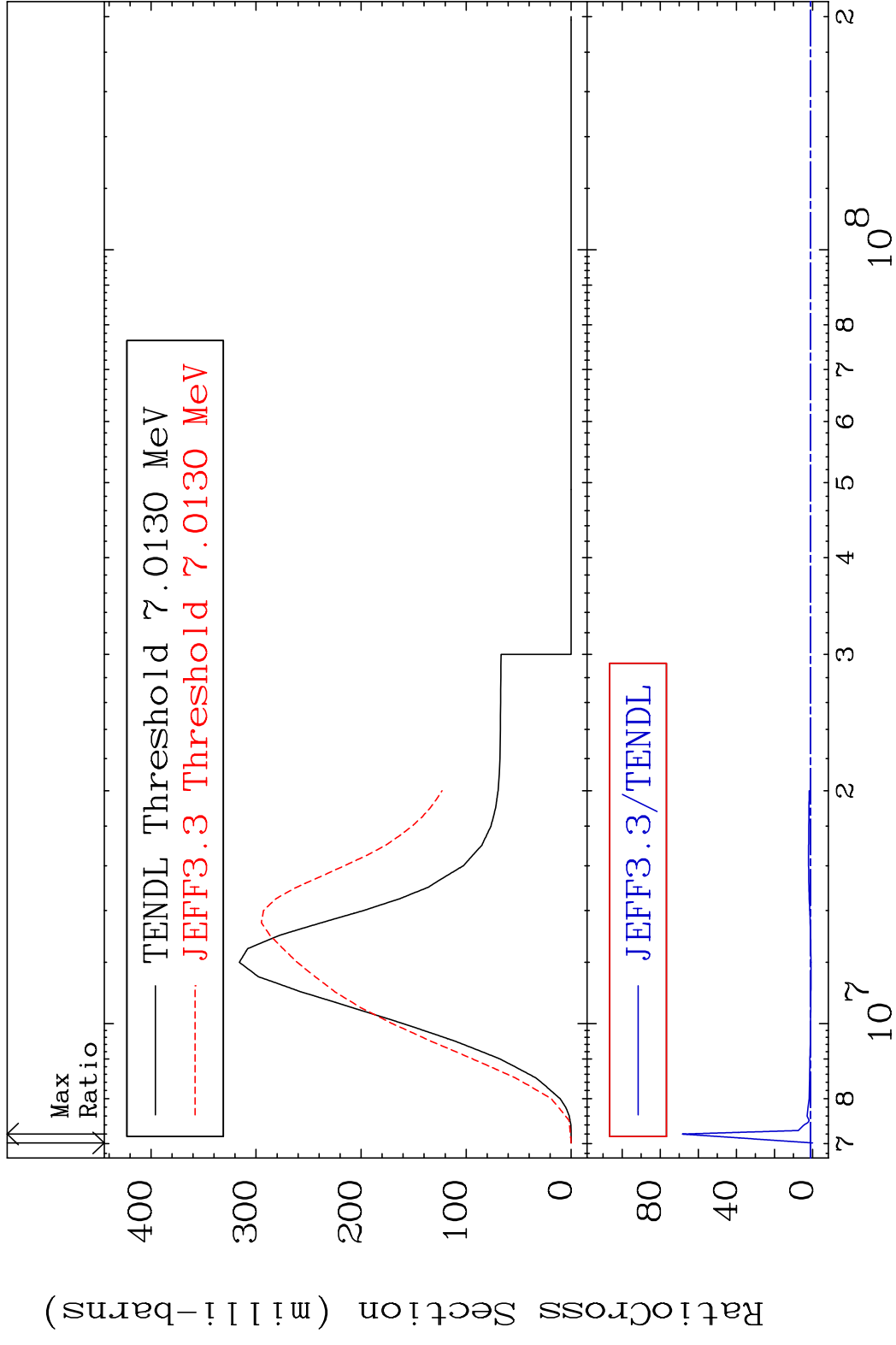


3

Incident Energy (eV)

93-Np-235

MAT 9340 (n,2n) 93-Np-235  
 Cross Section -100.0 To 6739. %



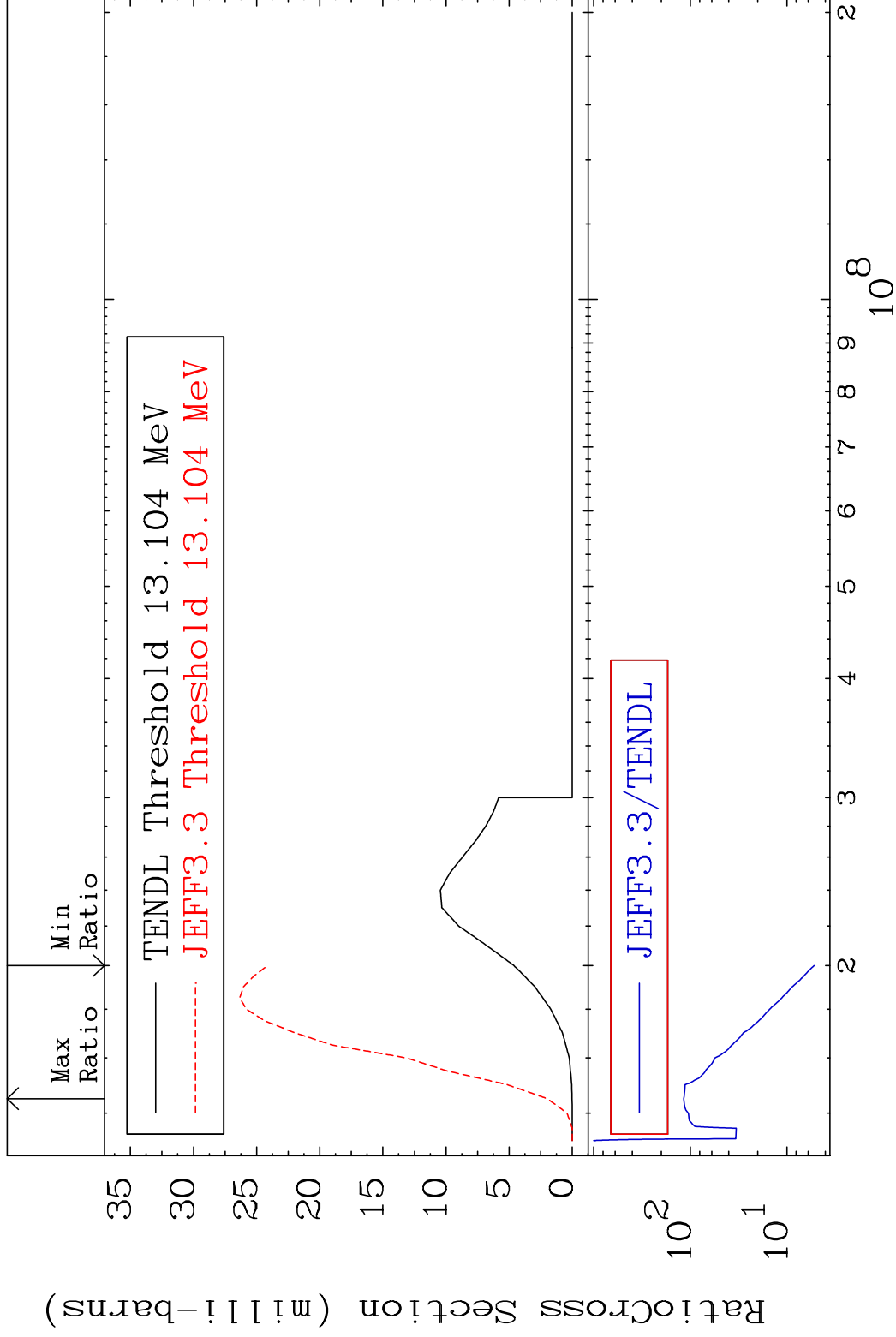
4 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2 93-Np-235

MAT 9340

(n,3n)

93-Np-235

Cross Section 422.2 To 9999. %



5

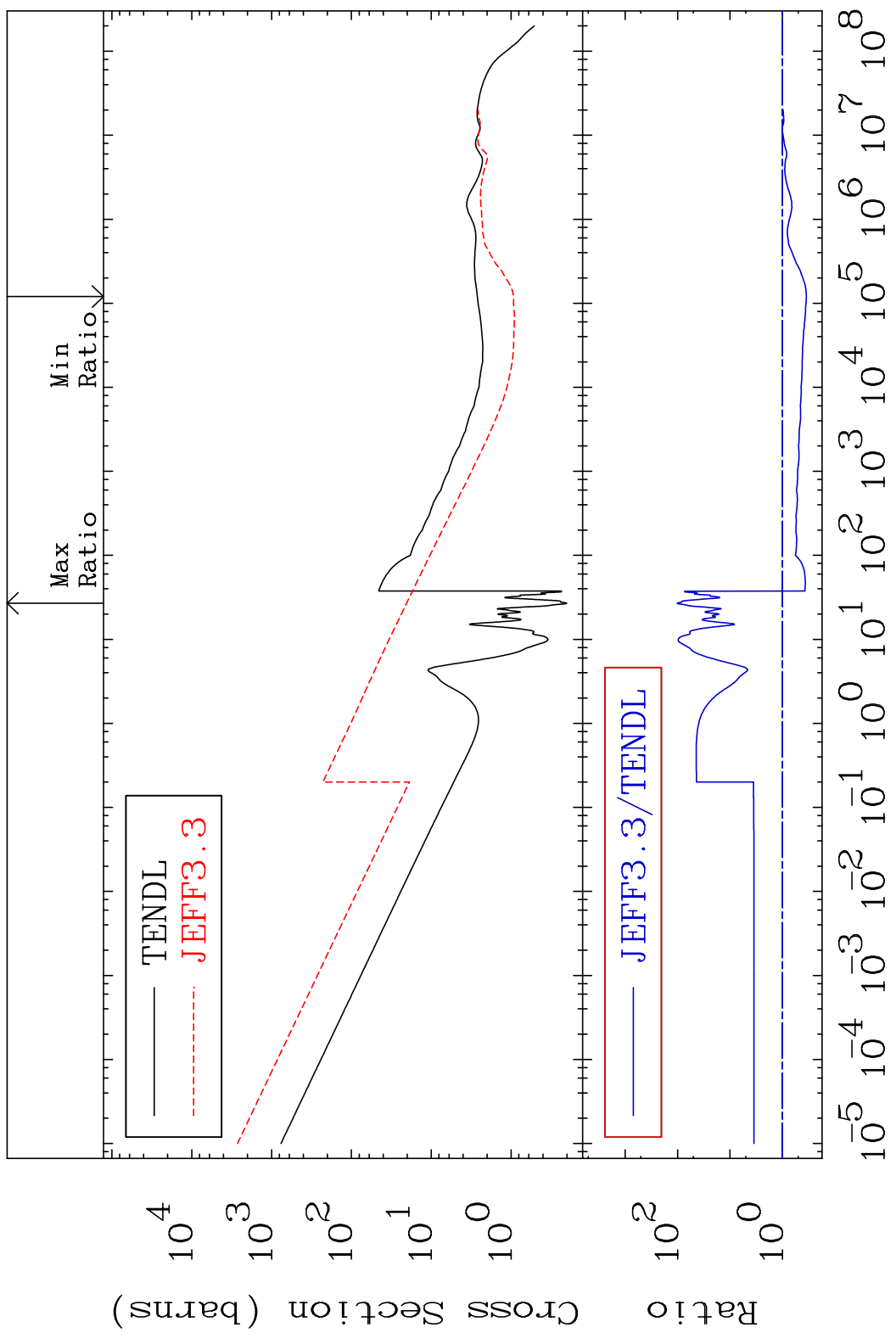
Incident Energy (eV)

93-Np-235

MAT 9340

Fission  
Cross Section -64.87 To 9999. %

93-Np-235

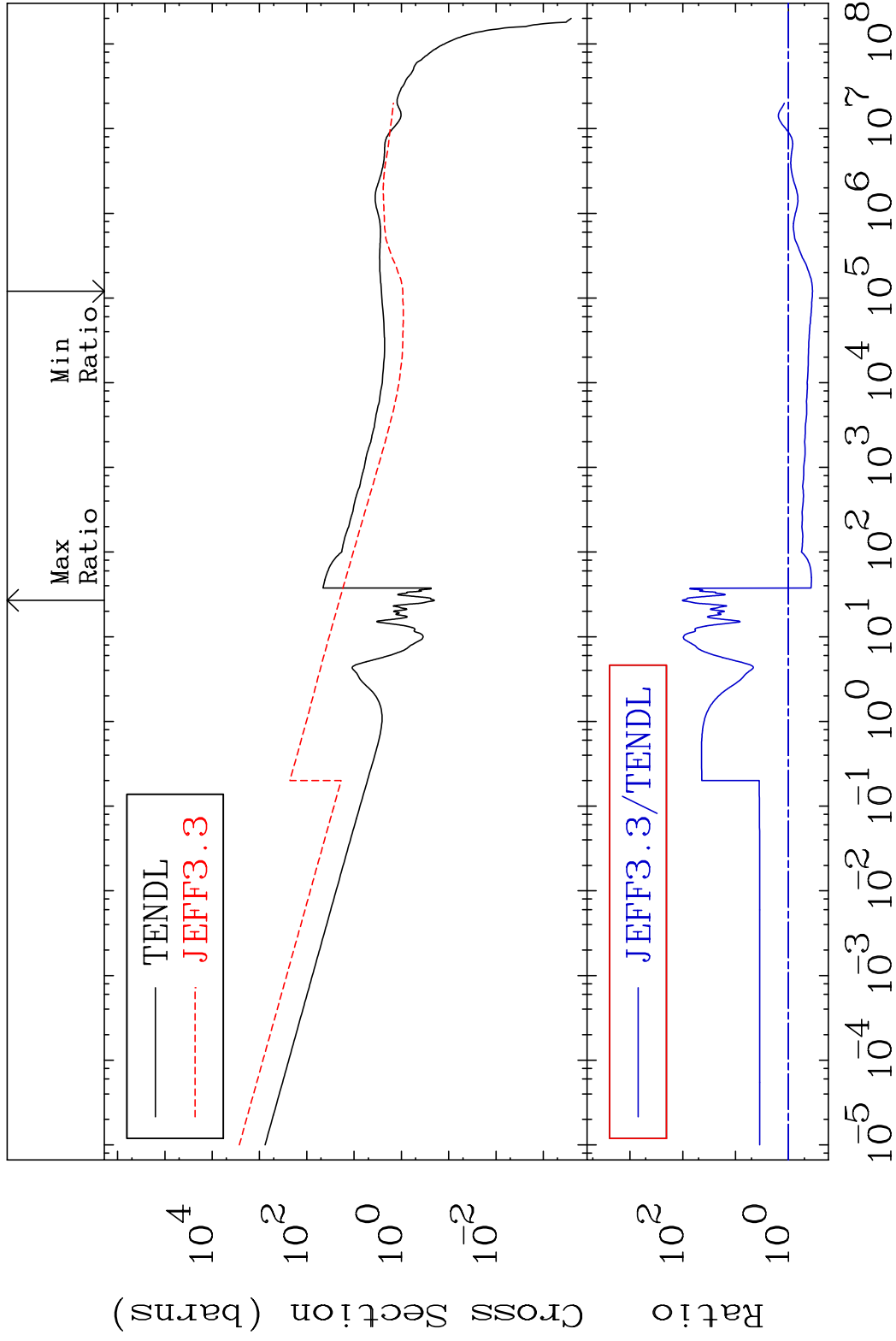


MAT 9340

(n,f) First Chance

93-Np-235

Cross Section -64.87 To 9999. %



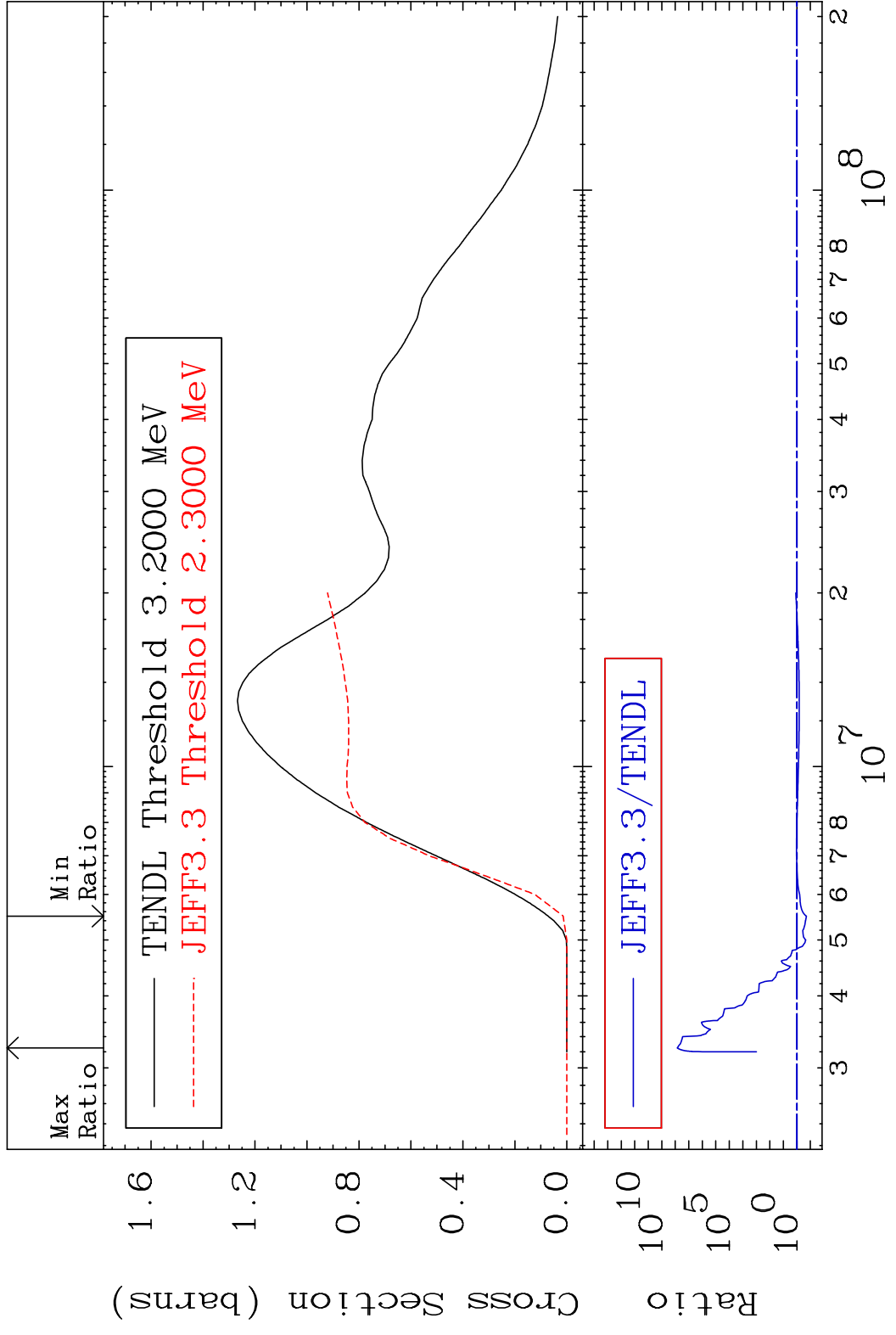
7

Incident Energy (eV)

93-Np-235



MAT 9340 (n, nf) Second Chance 93-Np-235  
 Cross Section -80.27 To 9999. %

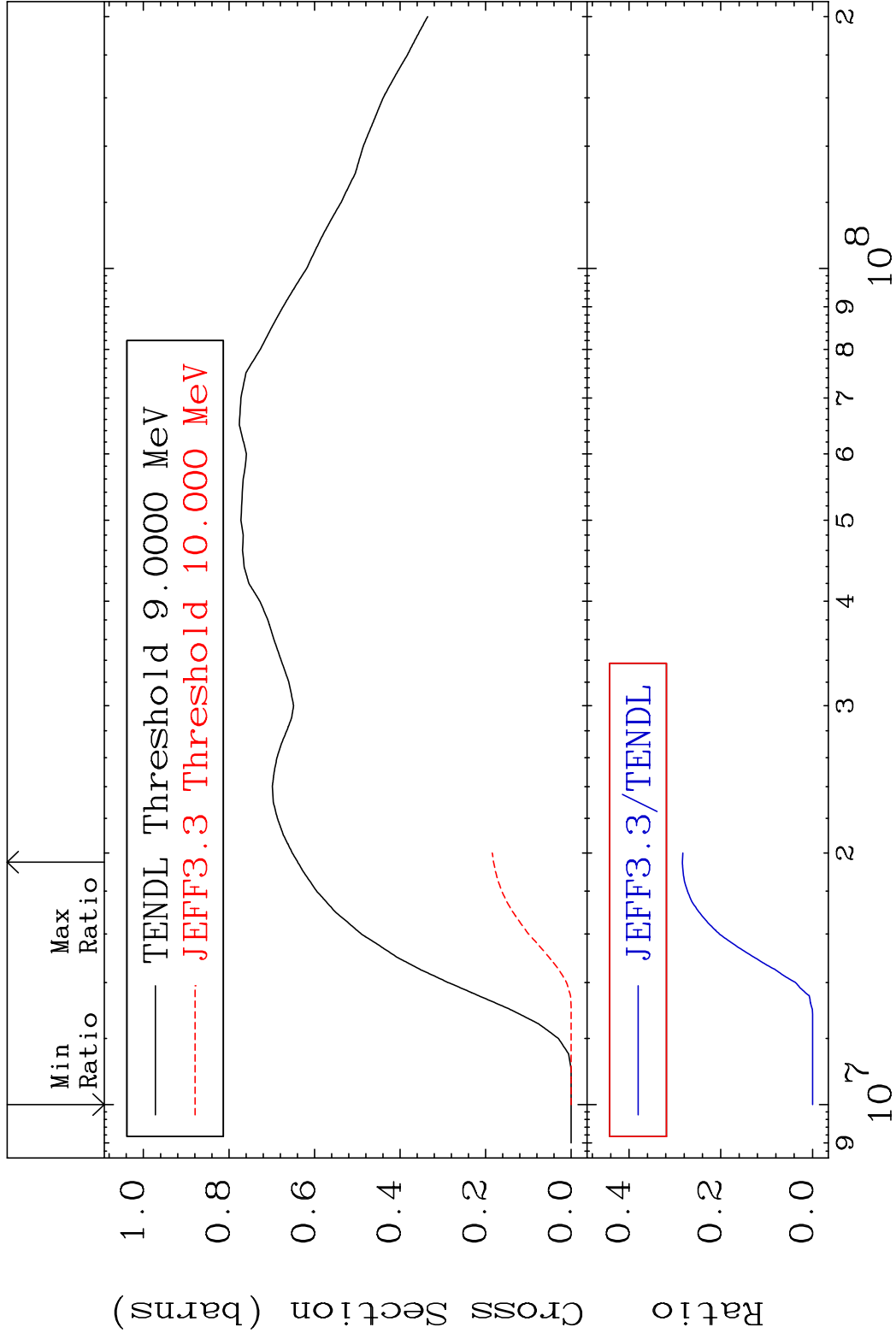


MAT 9340

(n,2nf) Third Chance

93-Np-235

Cross Section -100.0 To -71.62%

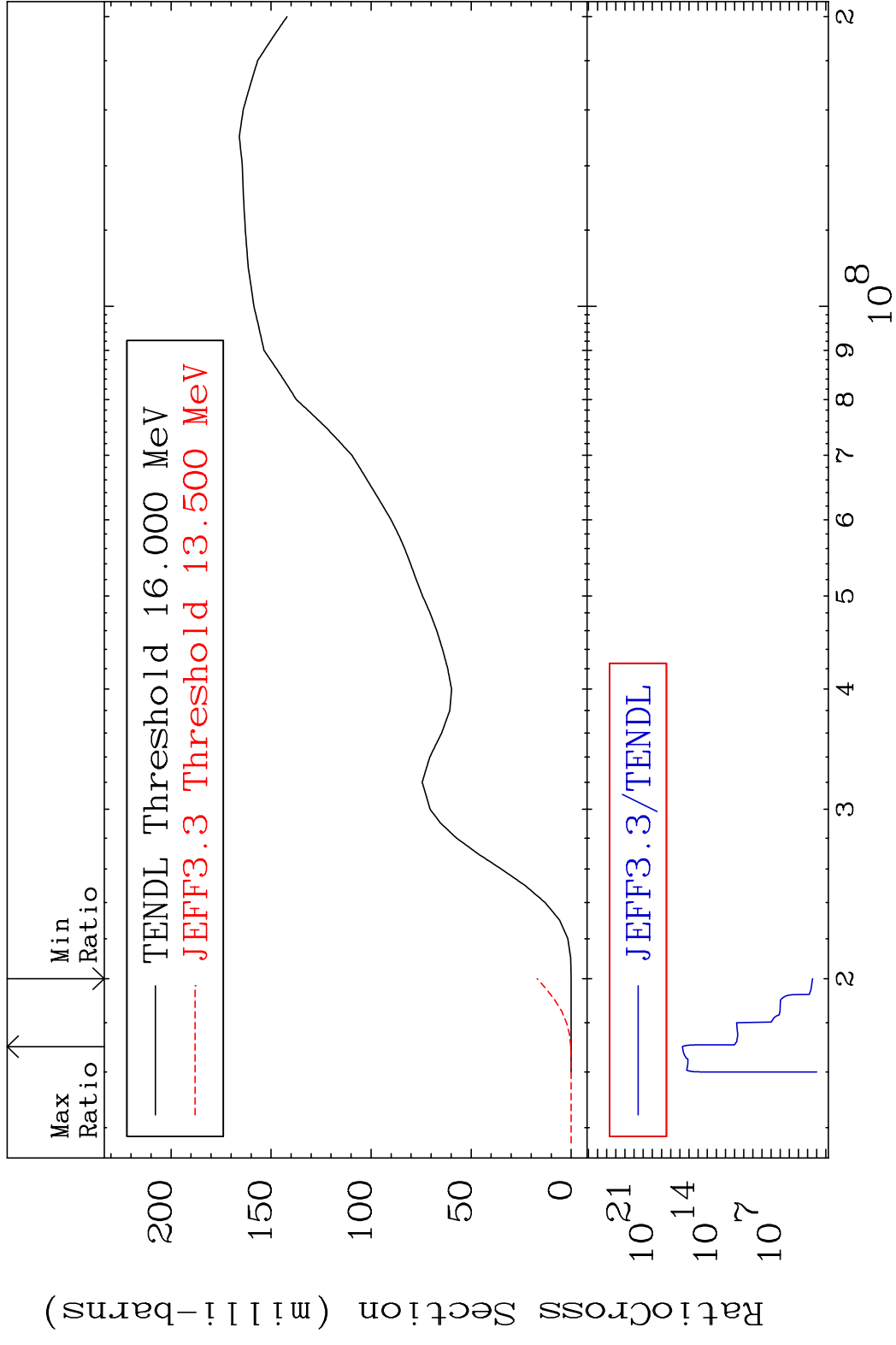


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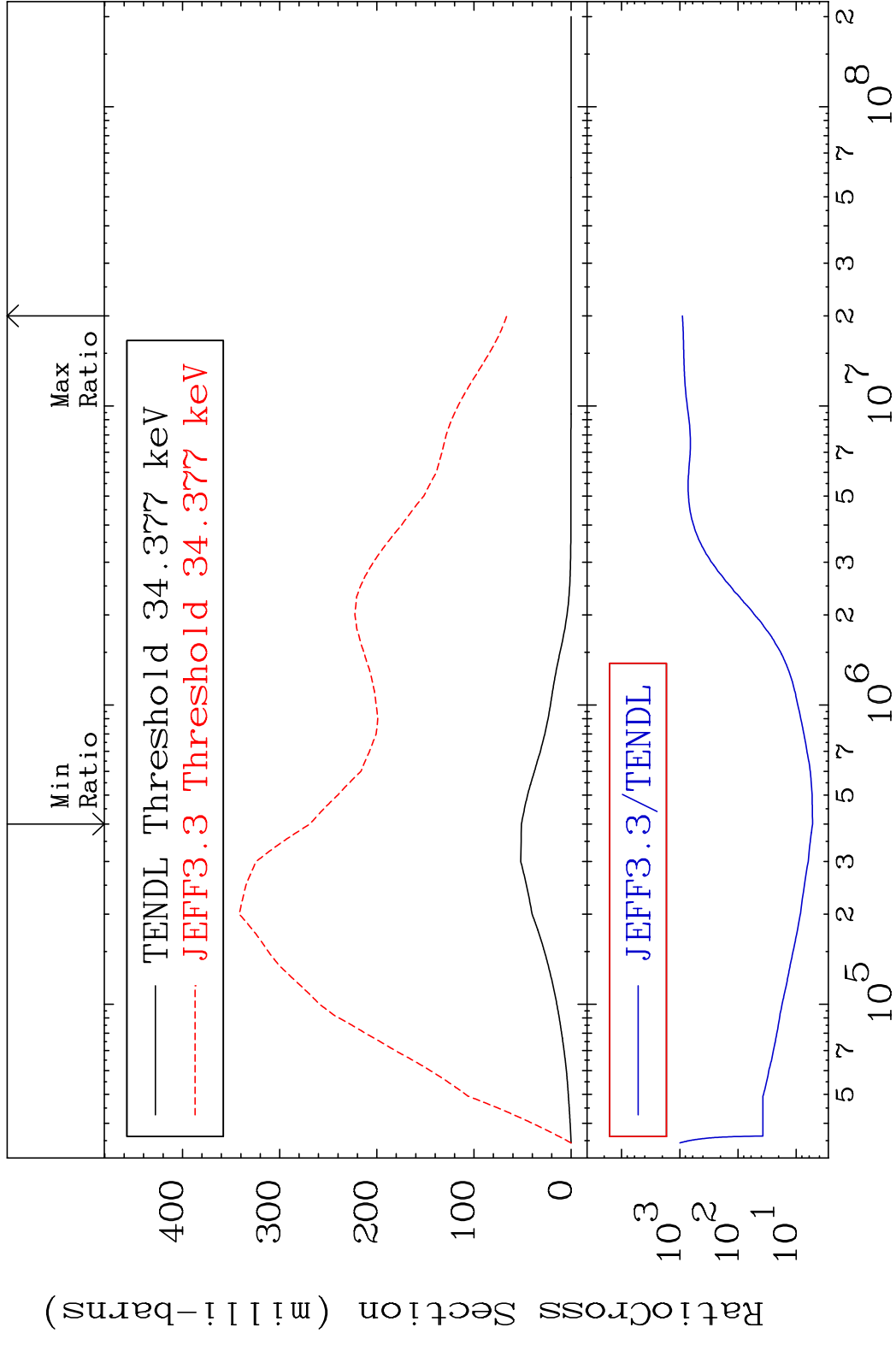
Incident Energy (eV)

93-Np-235

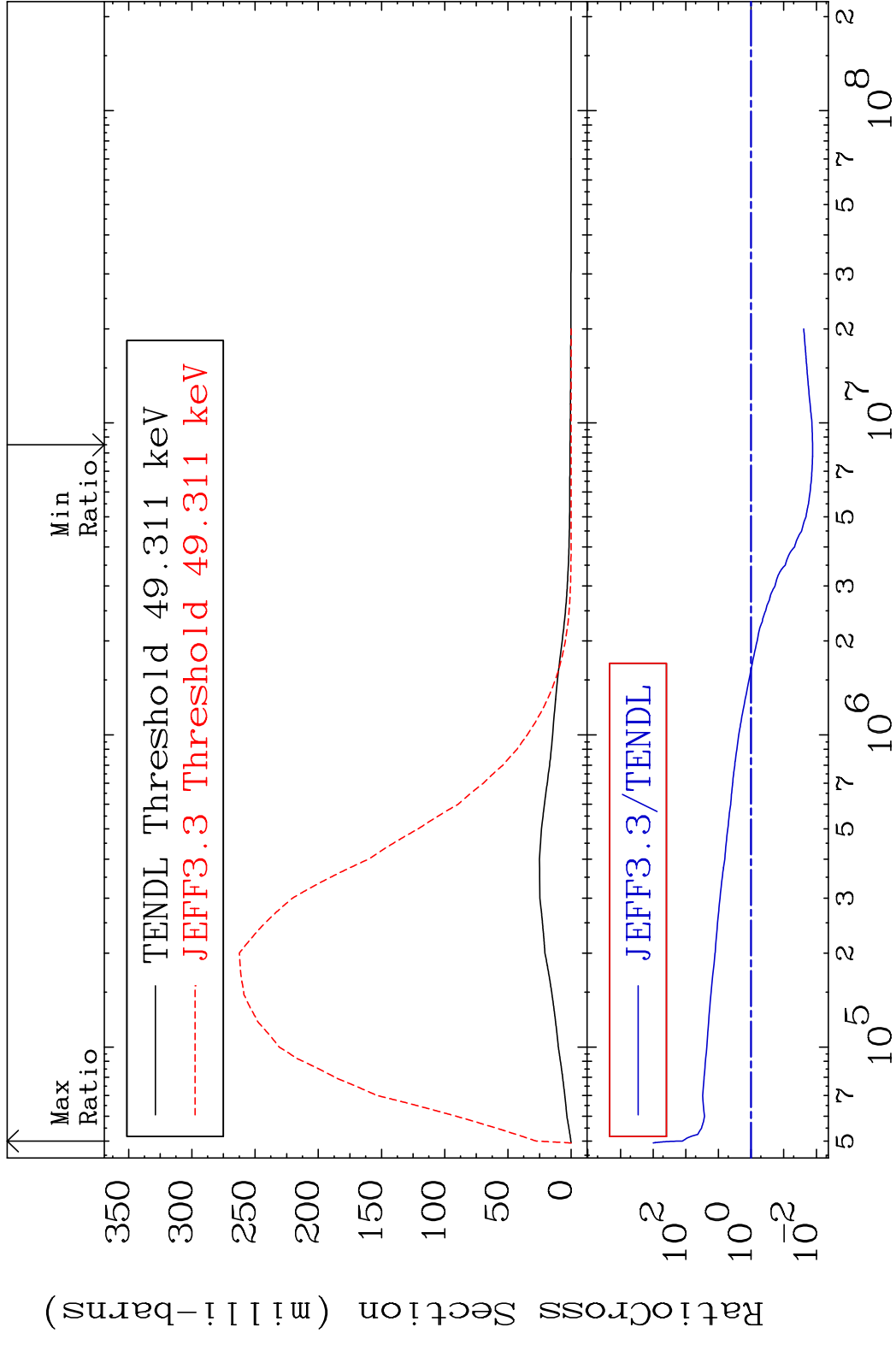
MAT 9340 (n,3nf) Fourth Chance 93-Np-235  
 Cross Section 9999. To 9999. %



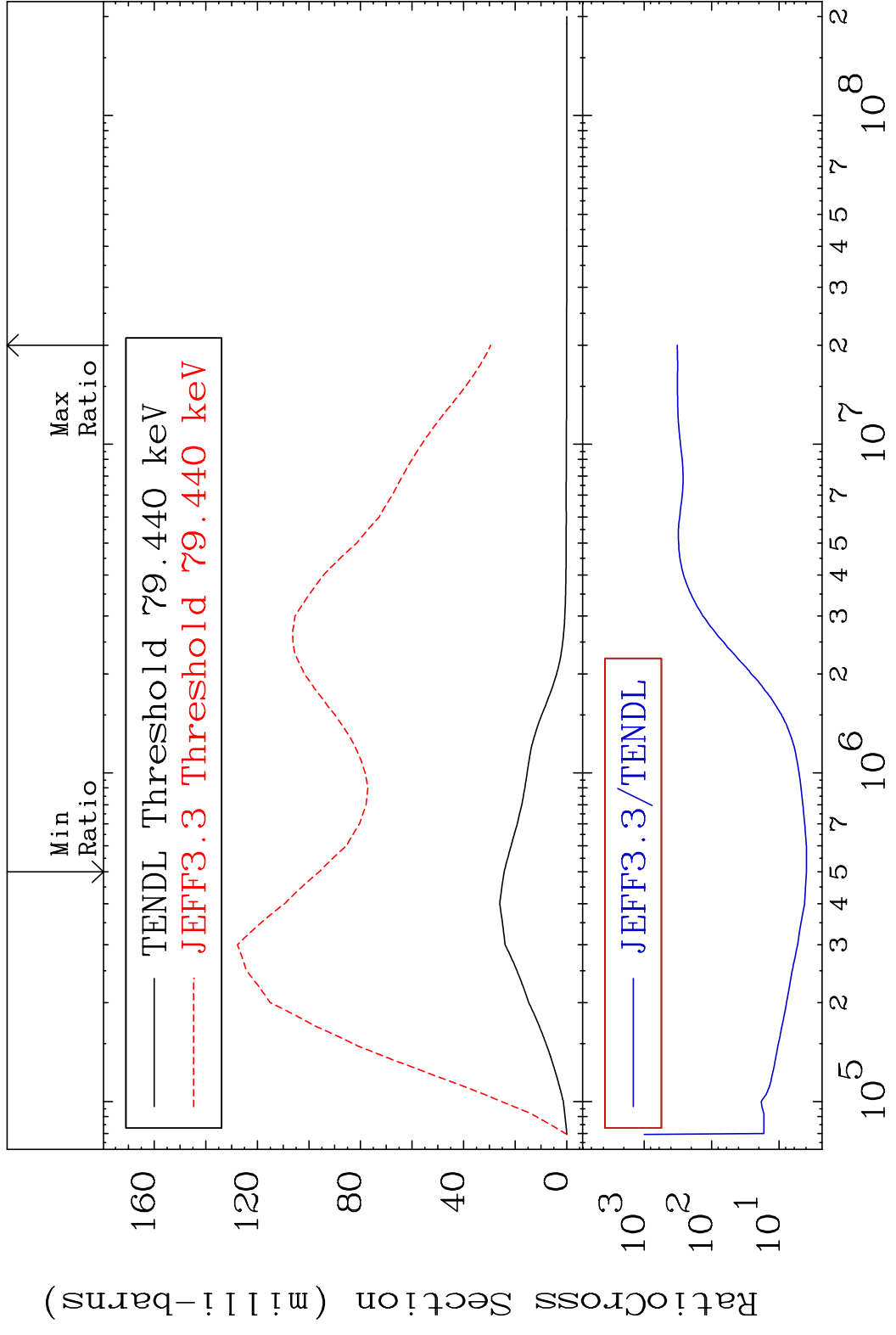
MAT 9340 MT= 51 (n, n') Level 93-Np-235  
 Cross Section 424.8 To 9999. %



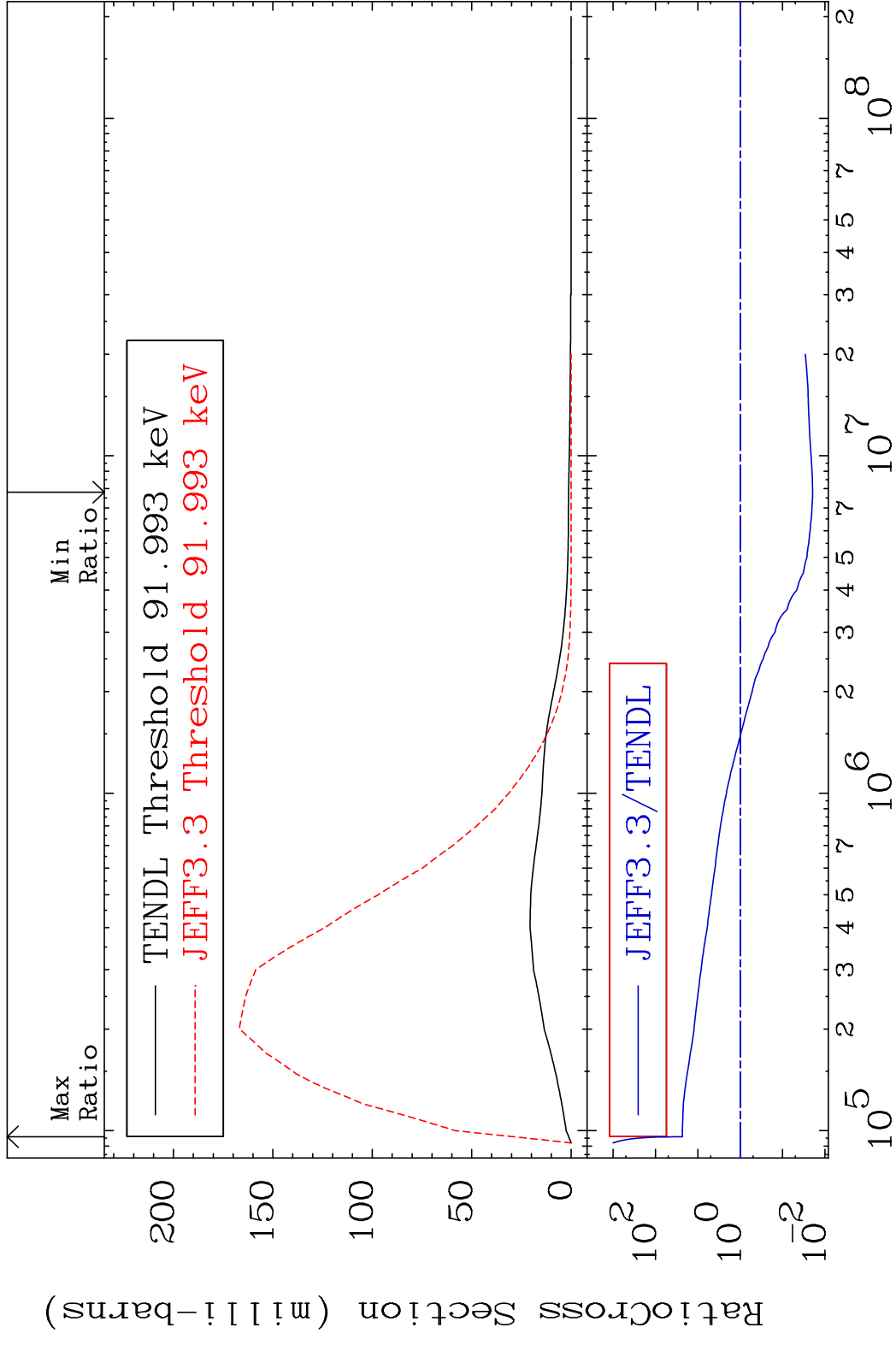
MAT 9340 MT= 52 (n, n') Level 93-Np-235  
 Cross Section -98.69 To 9999. %



MAT 9340 MT= 53 (n, n') Level 93-Np-235  
 Cross Section 294.9 To 9999. %

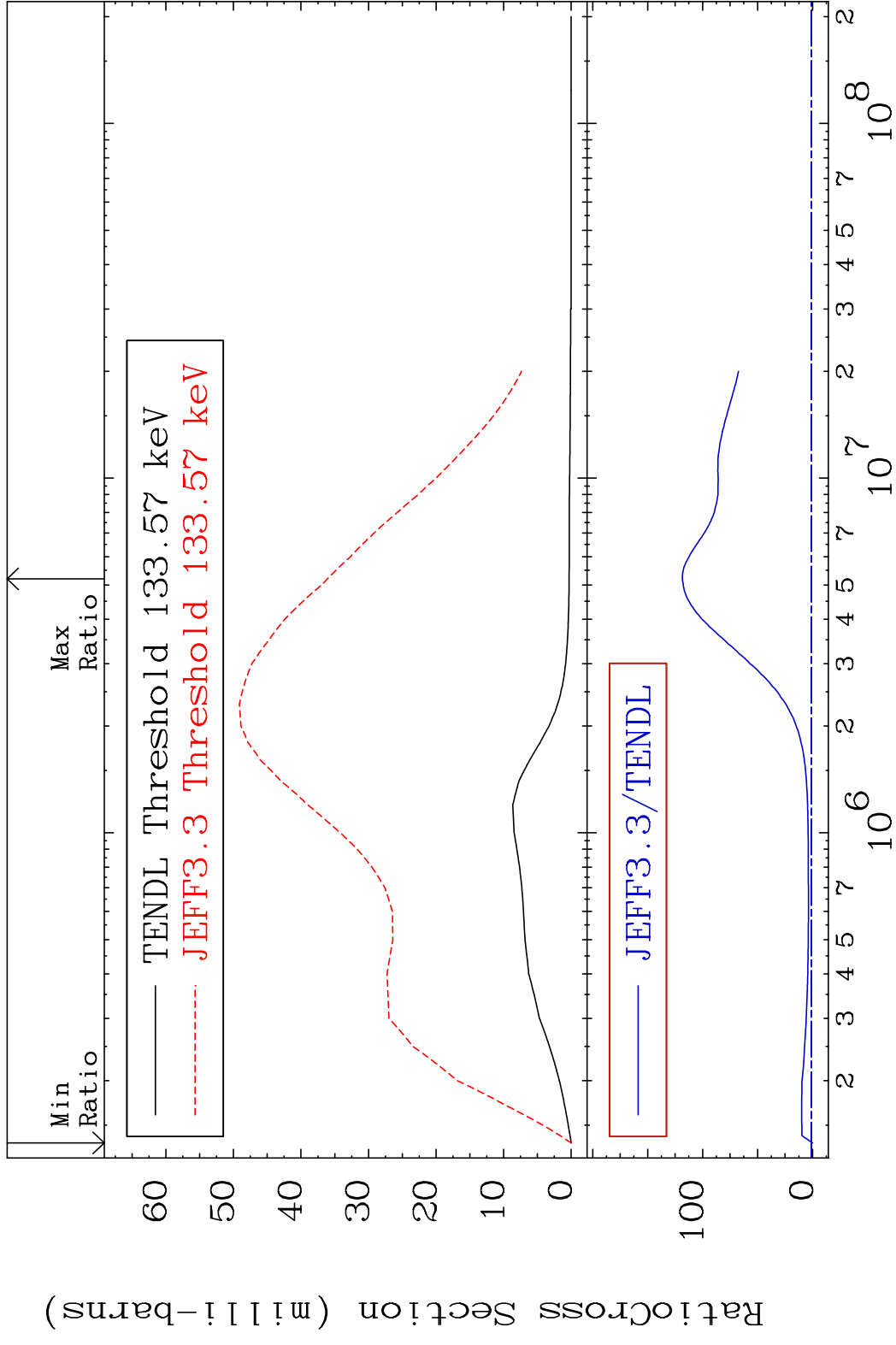


MAT 9340 MT= 54 (n, n') Level 93-Np-235  
 Cross Section -98.03 To 2217. %



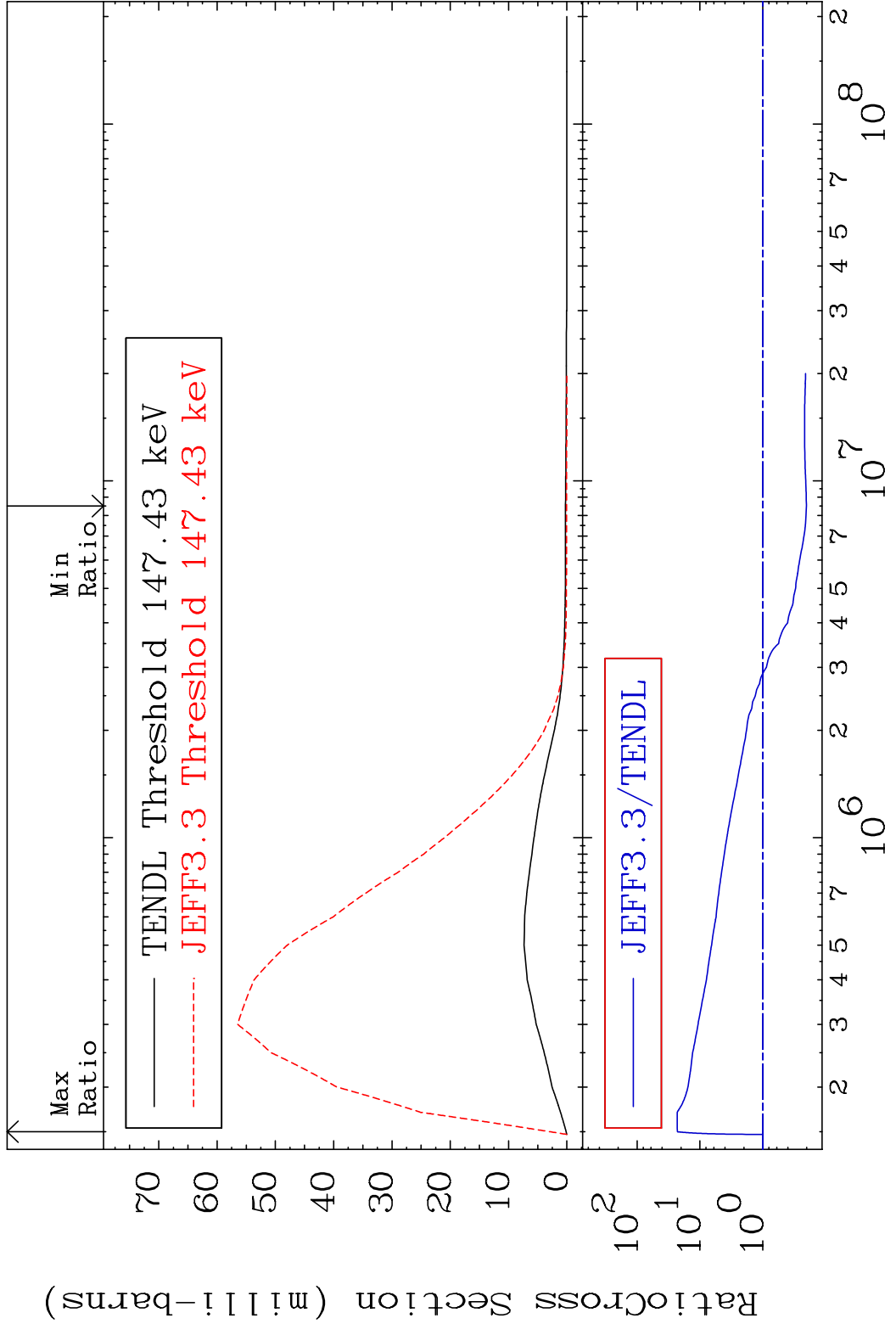
14 Incident Energy (eV) 93-Np-235

MAT 9340 MT= 55 (n, n') Level 93-Np-235  
 Cross Section -100.0 To 9999. %

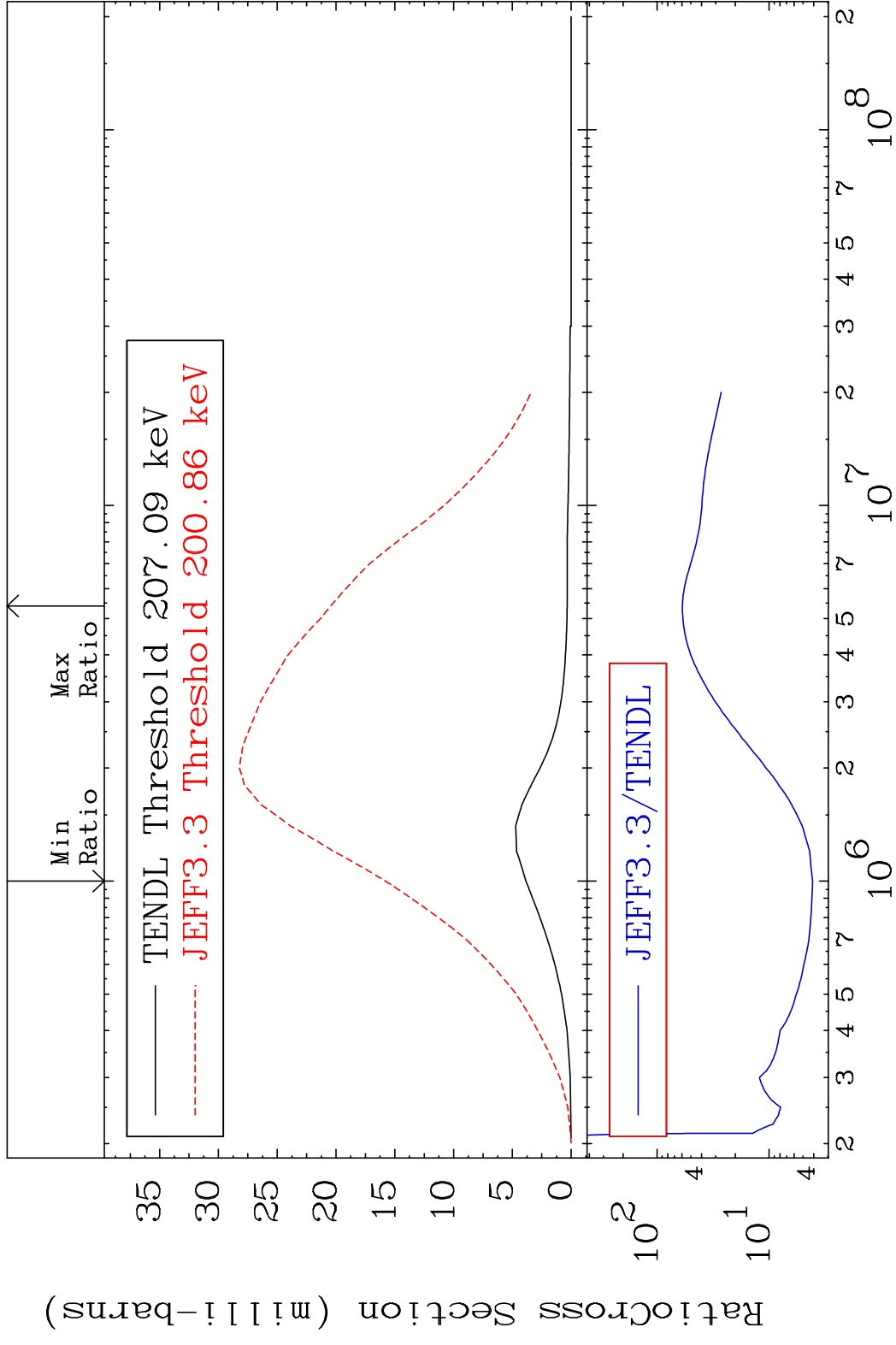




MAT 9340 MT= 56 (n, n') Level 93-Np-235  
 Cross Section -79.77 To 2203. %



MAT 9340 MT= 57 (n, n') Level 93-Np-235  
 Cross Section 310.3 To 5839. %



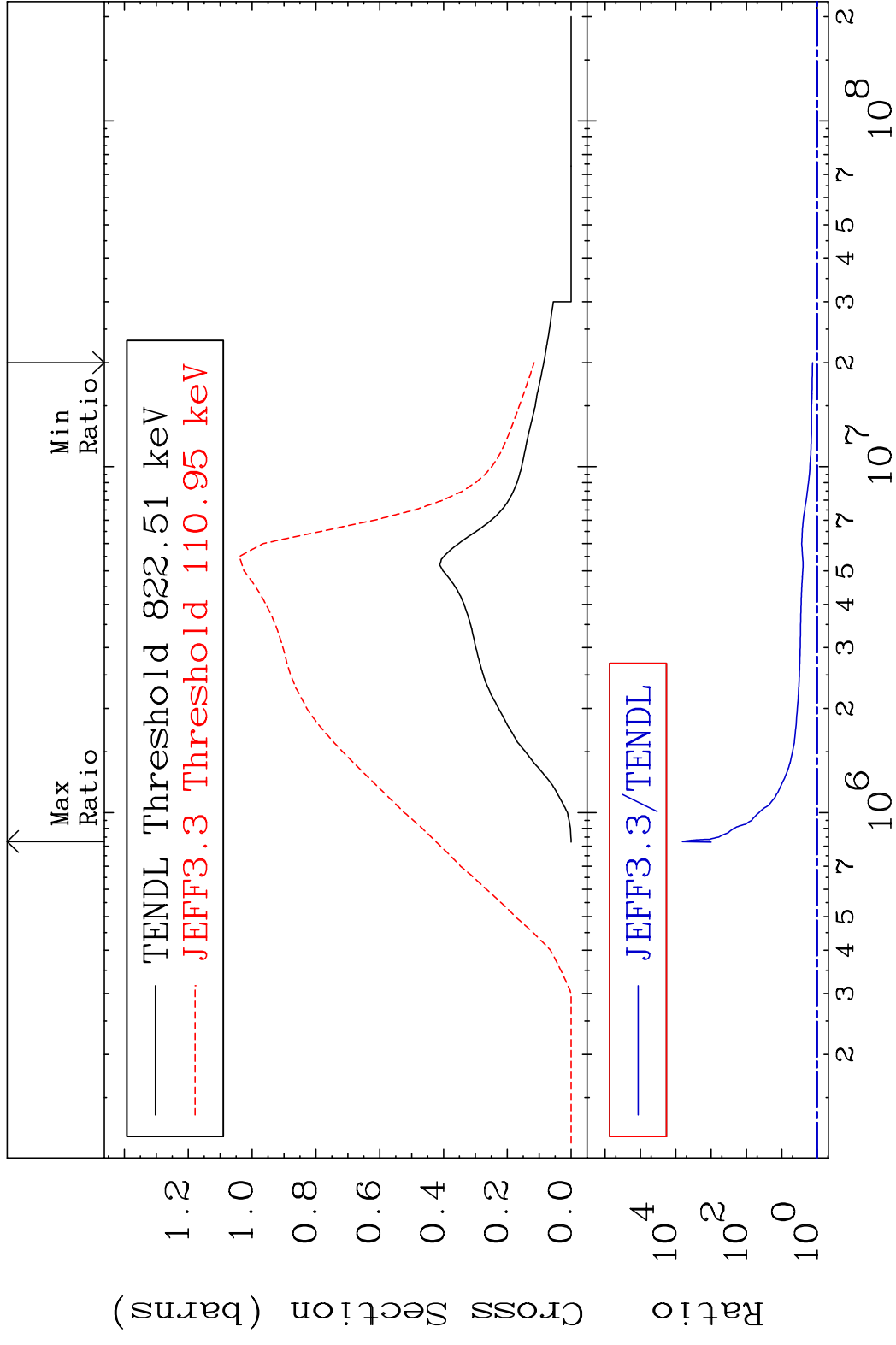
MAT 9340

(n, n') Continuum

93-Np-235

Cross Section 35.07

To 9999. %

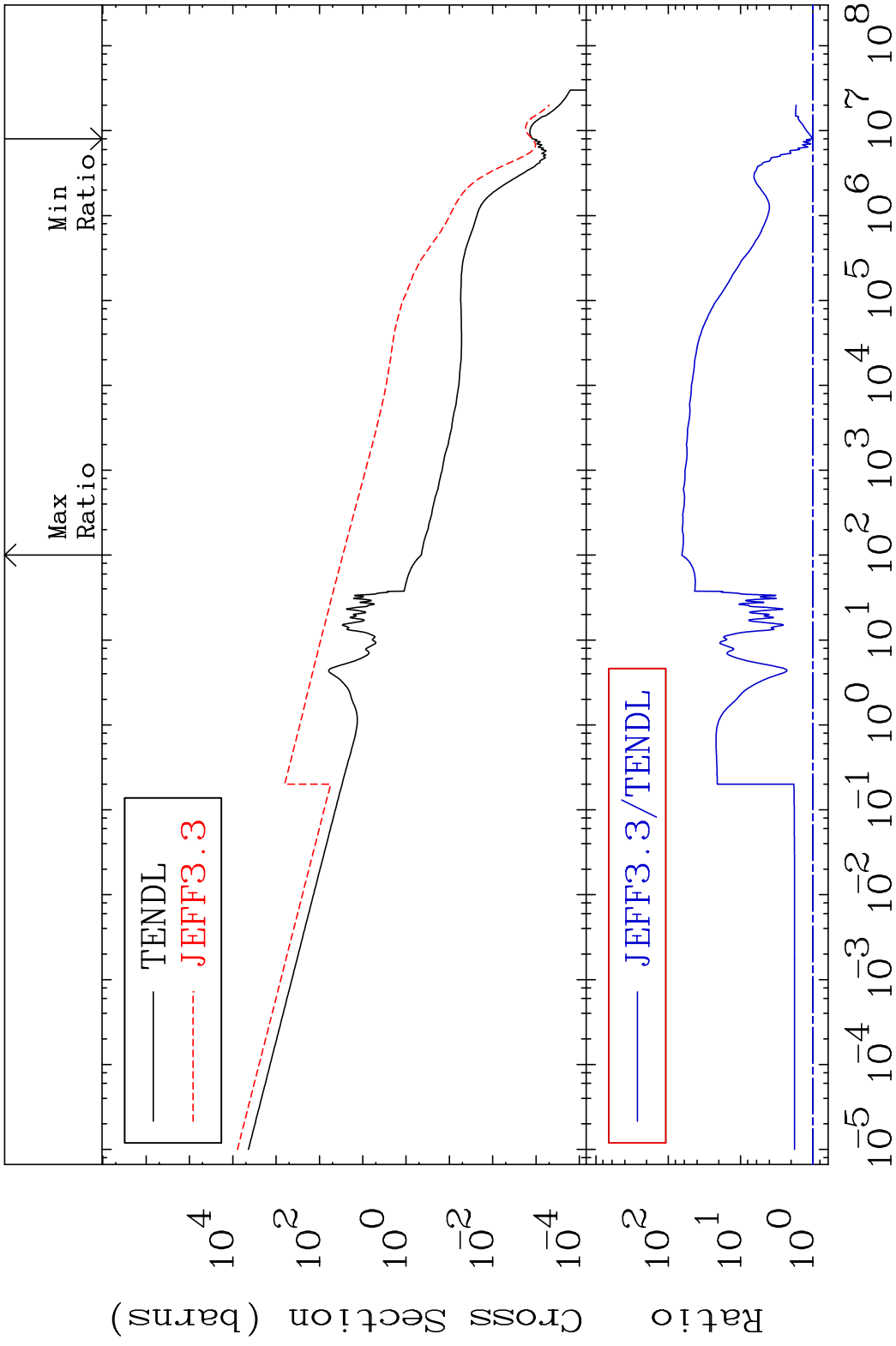


MAT 9340

(n,  $\gamma$ )

93-Np-235

Cross Section 1.988 To 6414. %



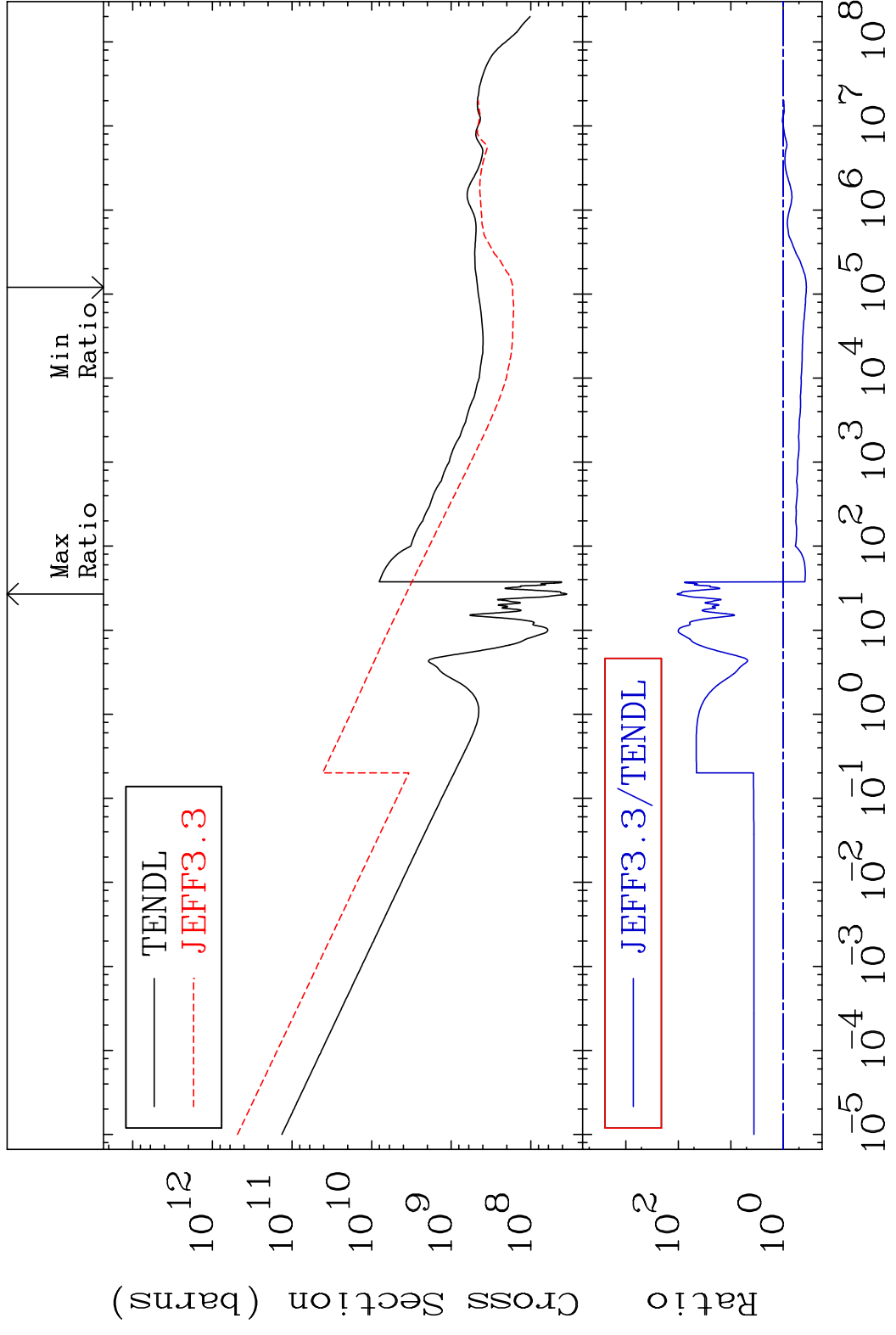
19

Incident Energy (eV)

93-Np-235

MAT 9340

Kerma total (eV-barns) 93-Np-235  
Cross Section -63.80 To 9999. %



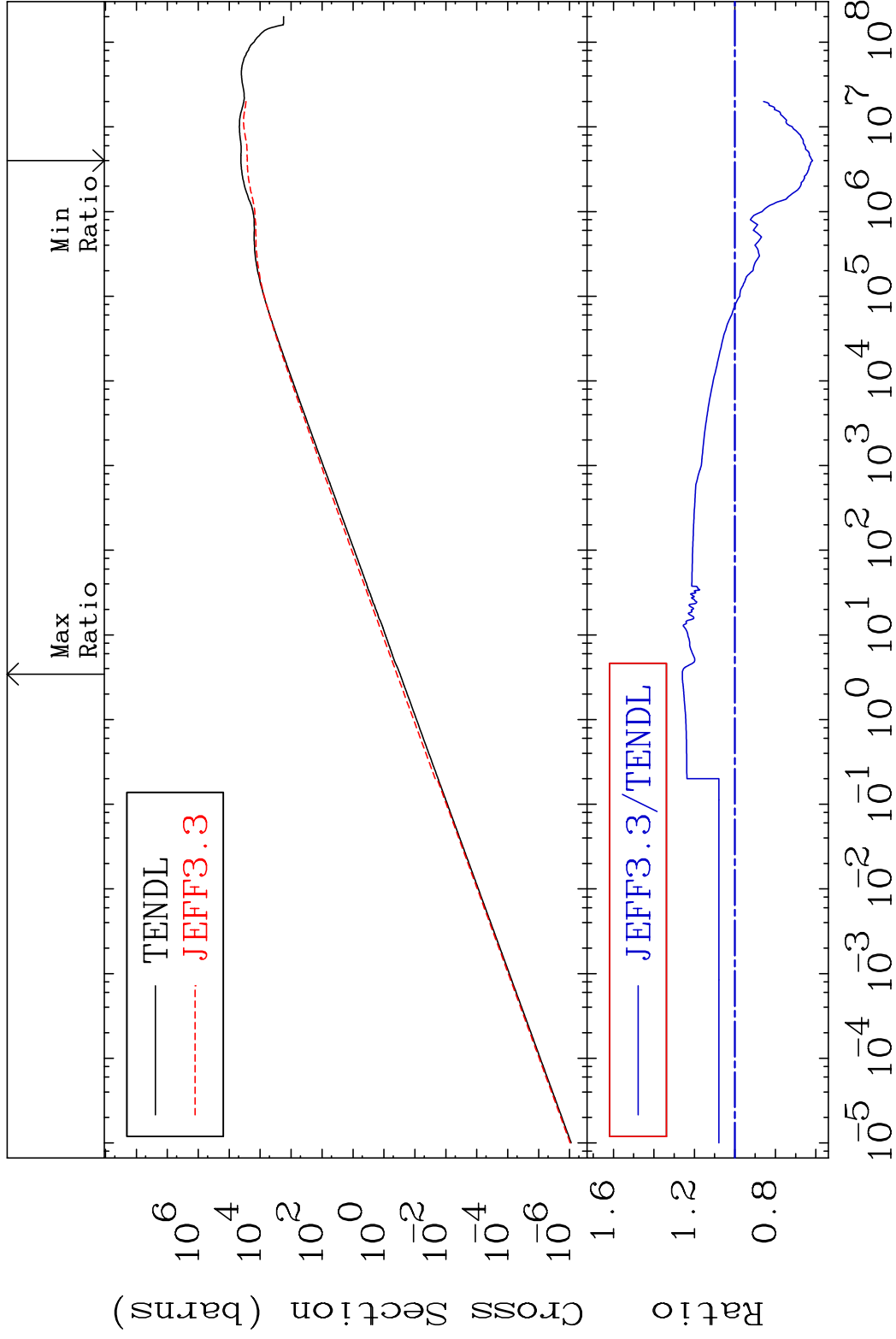
20

Incident Energy (eV) 93-Np-235

MAT 9340

Kerma elastic  
Cross Section

93-Np-235  
-38.35 To 25.95 %

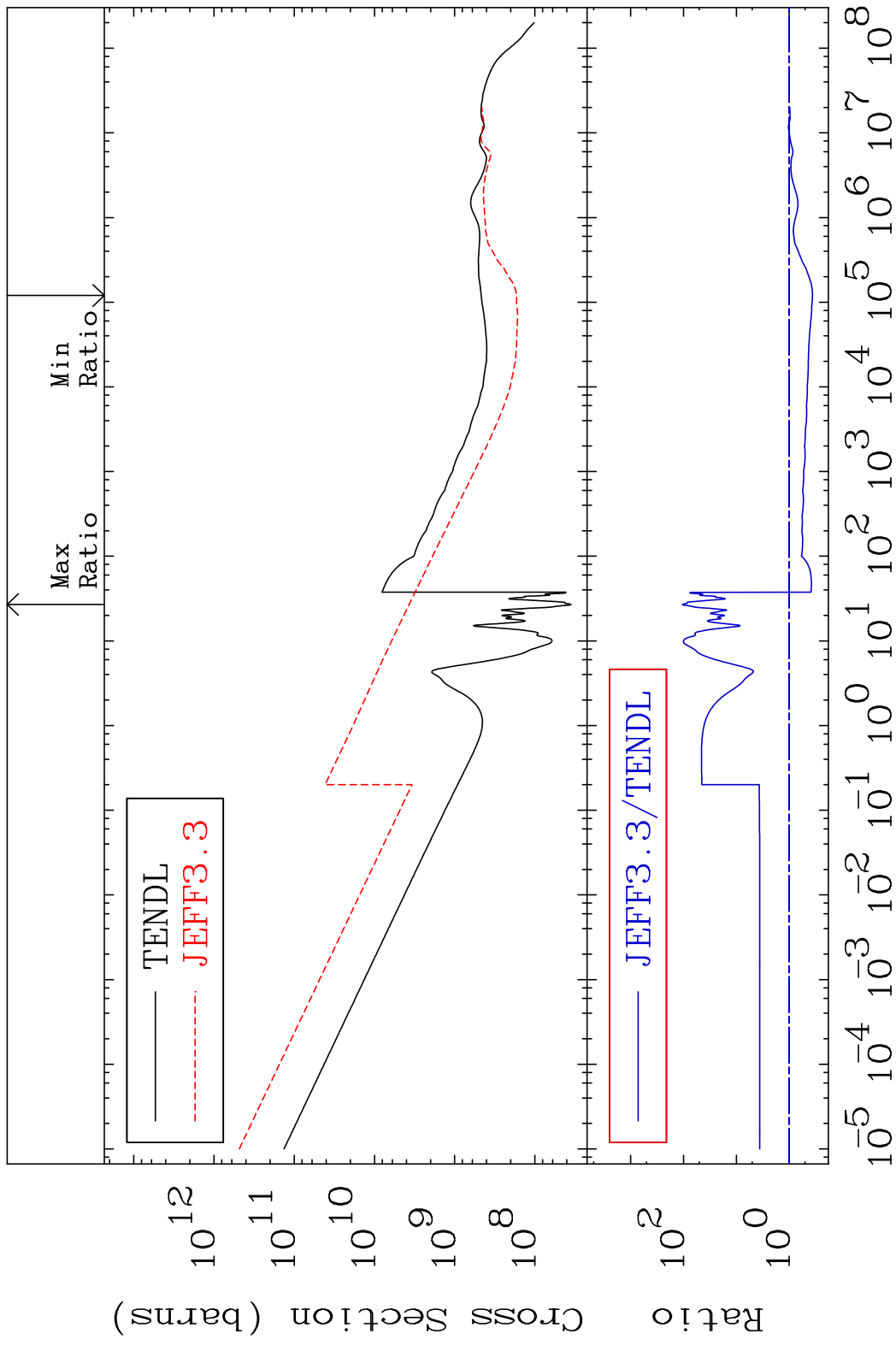


21

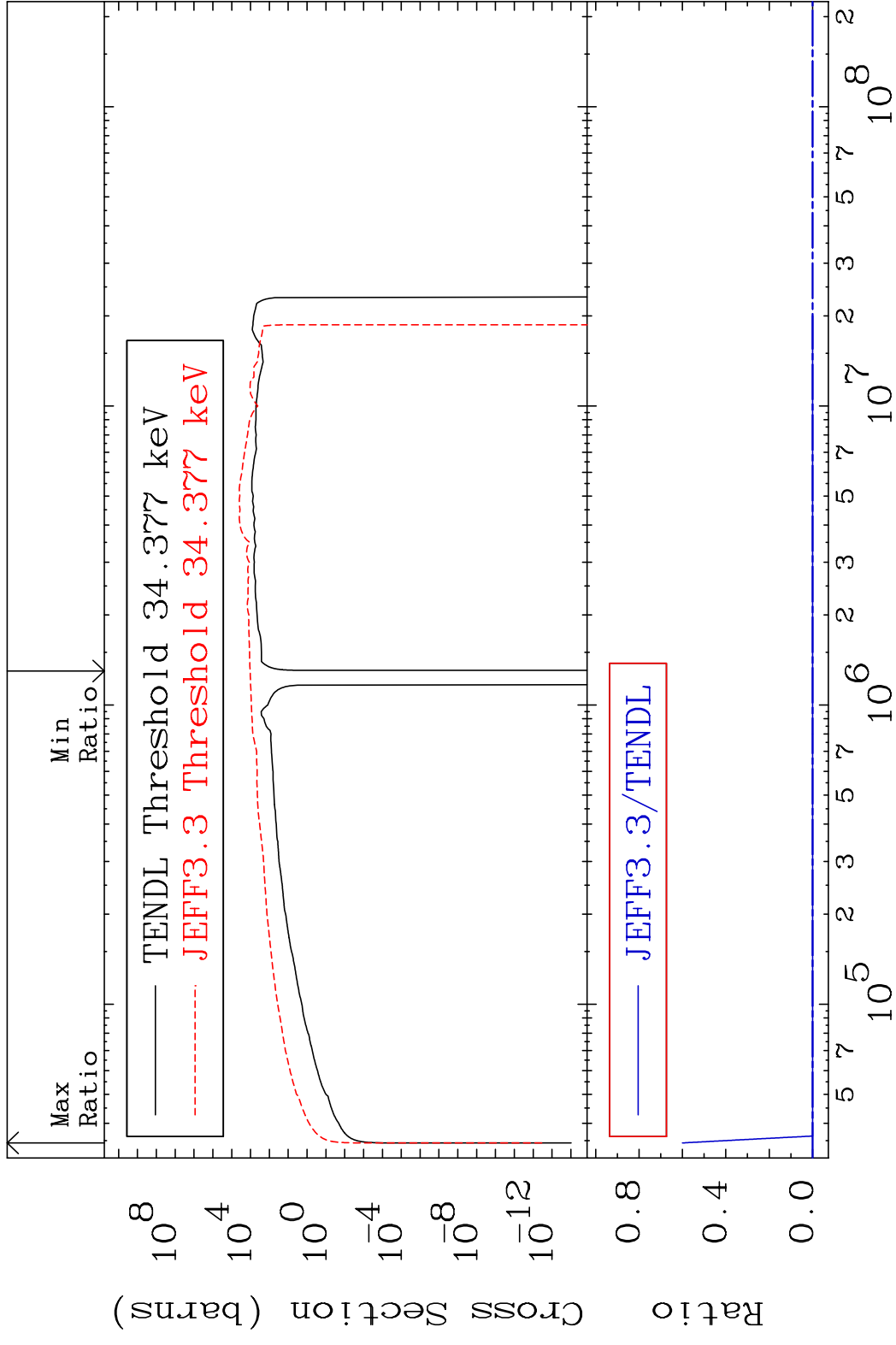
Incident Energy (eV)

93-Np-235

MAT 9340 Kerma non-elastic (all but mt2) 93-Np-235  
 Cross Section -63.80 To 9999. %

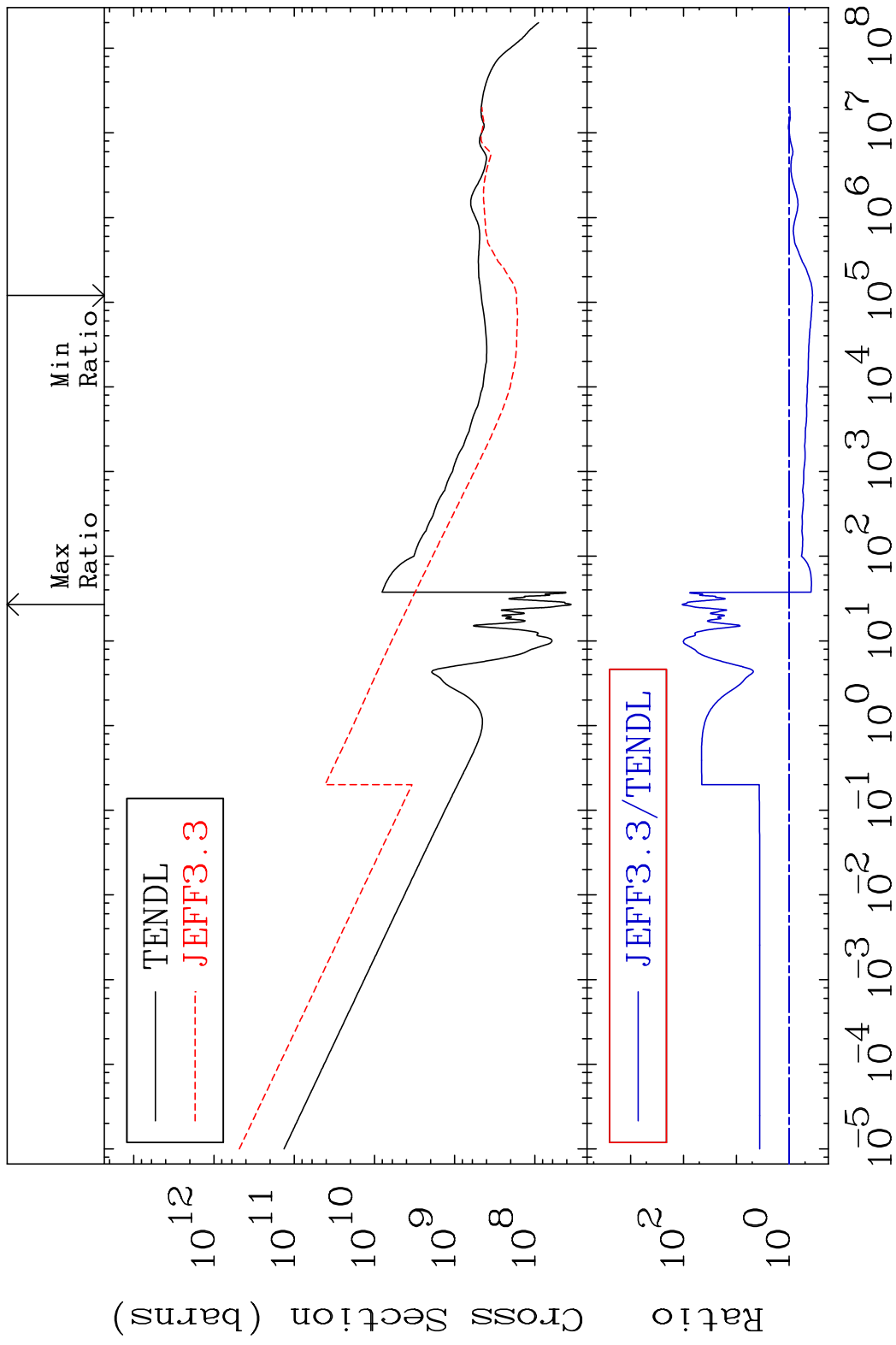


MAT 9340 Kerma inelastic (mt51-91) 93-Np-235  
 Cross Section -6810. To 9999. %



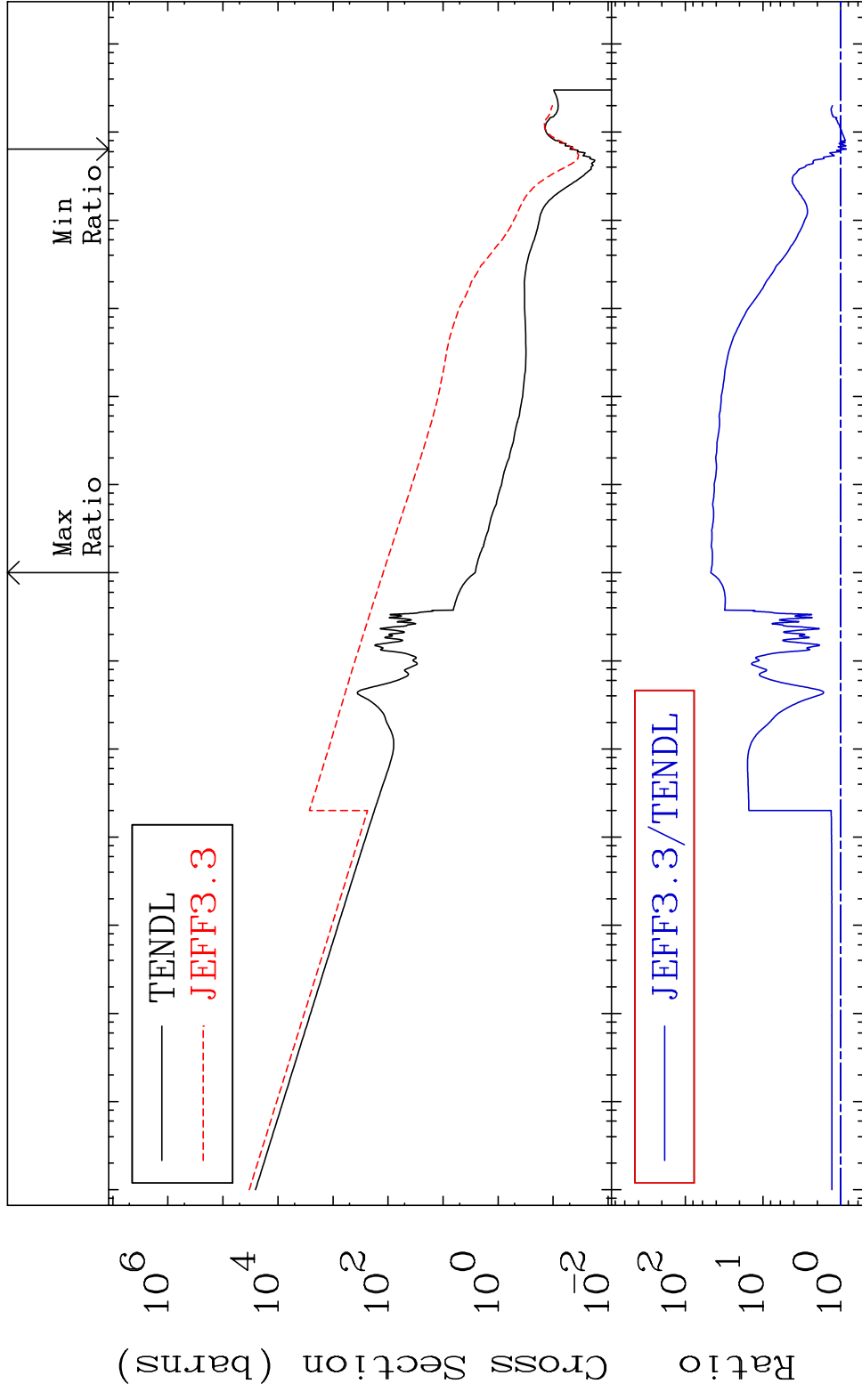


MAT 9340 Kerma fission (mt18 or mt19-20-21-38) 93-Np-235  
 Cross Section -63.80 To 9999. %



MAT 9340

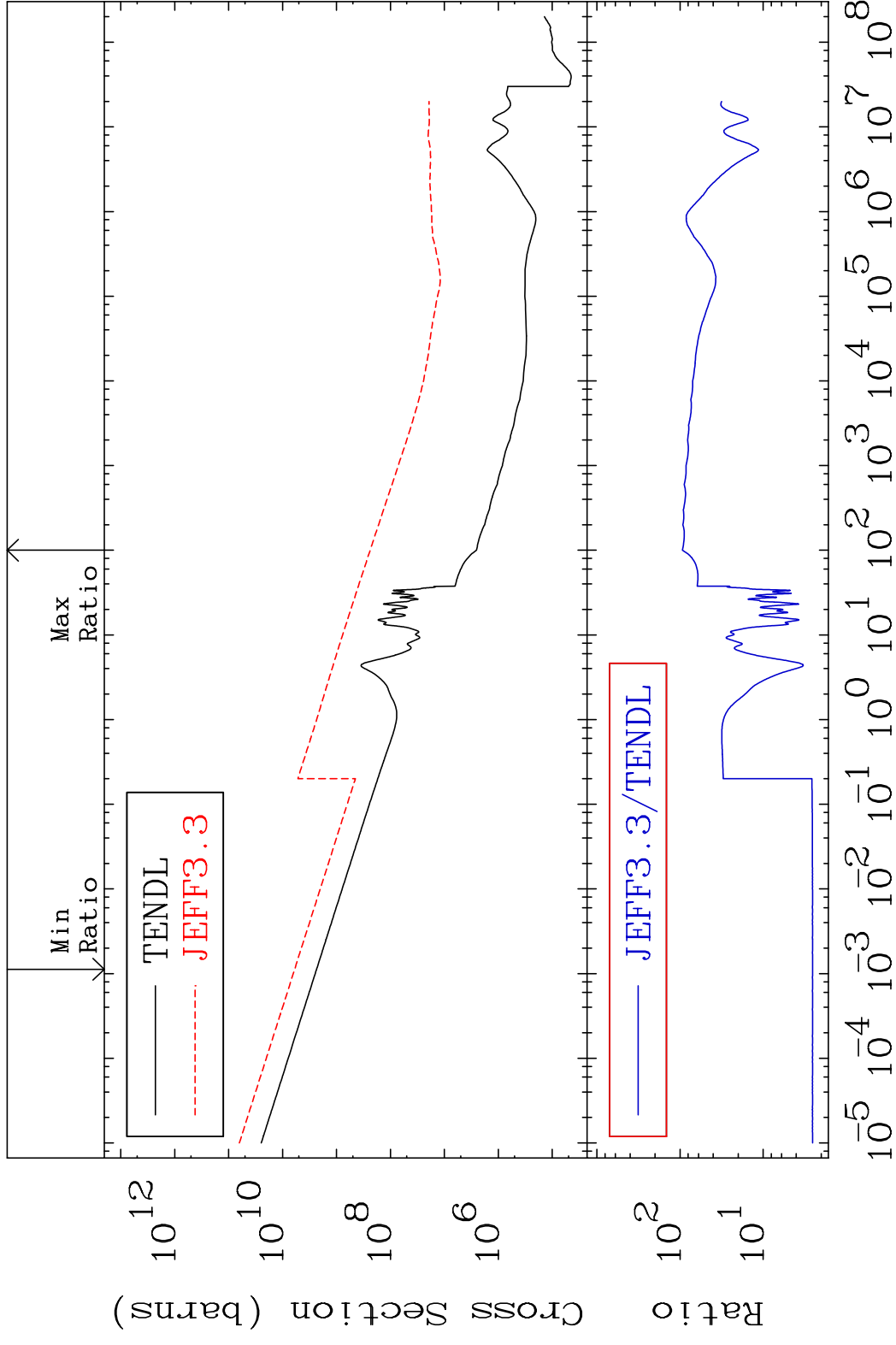
Kerma capture (mt102) 93-Np-235  
Cross Section -15.41 To 4609. %



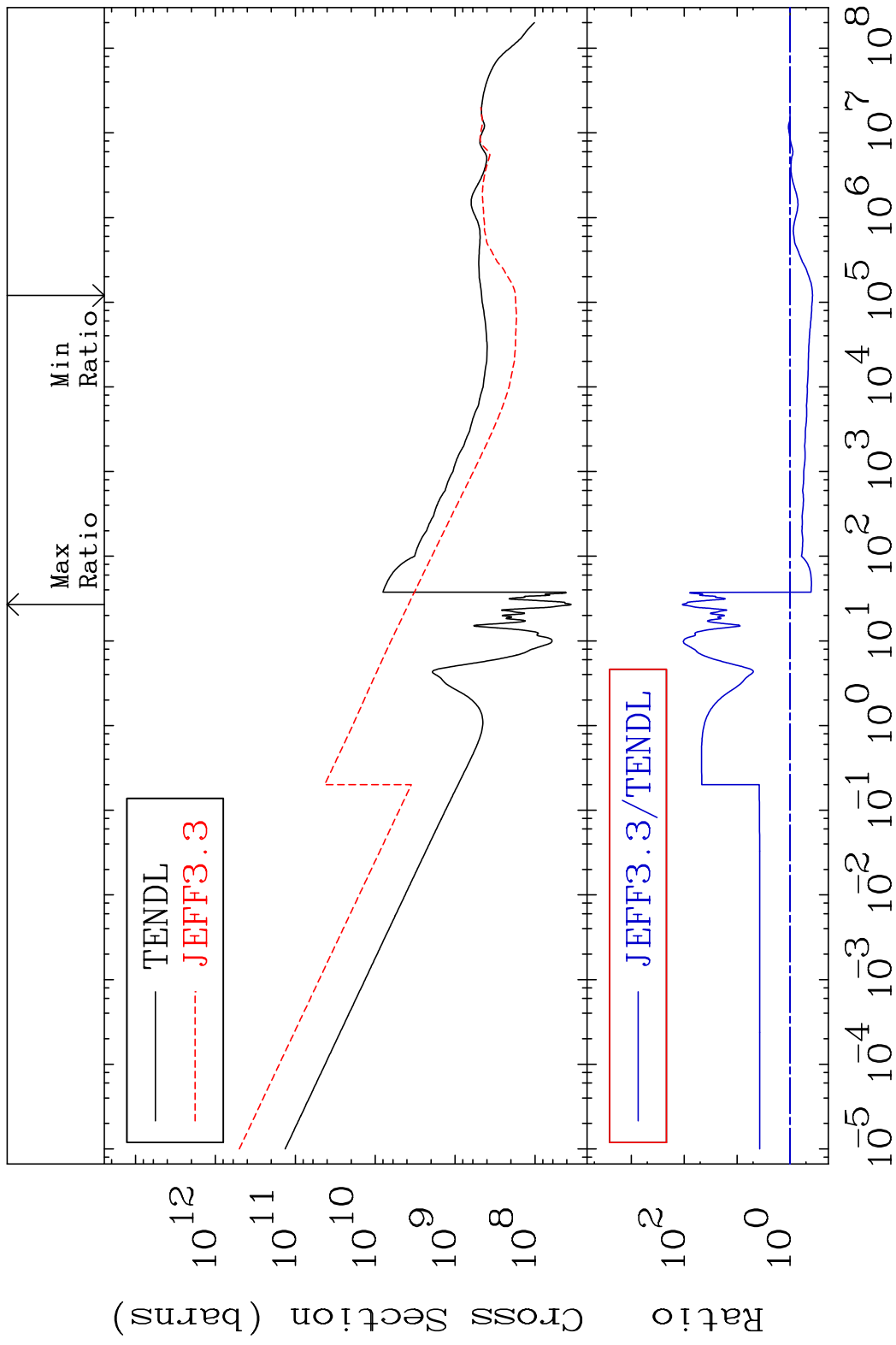
25

Incident Energy (eV) 93-Np-235

MAT 9340 Total photon (eV-barns) 93-Np-235  
 Cross Section 155.0 To 9295. %



MAT 9340 Total kinematic kerma (high limit) 93-Np-235  
 Cross Section -62.39 To 9999. %

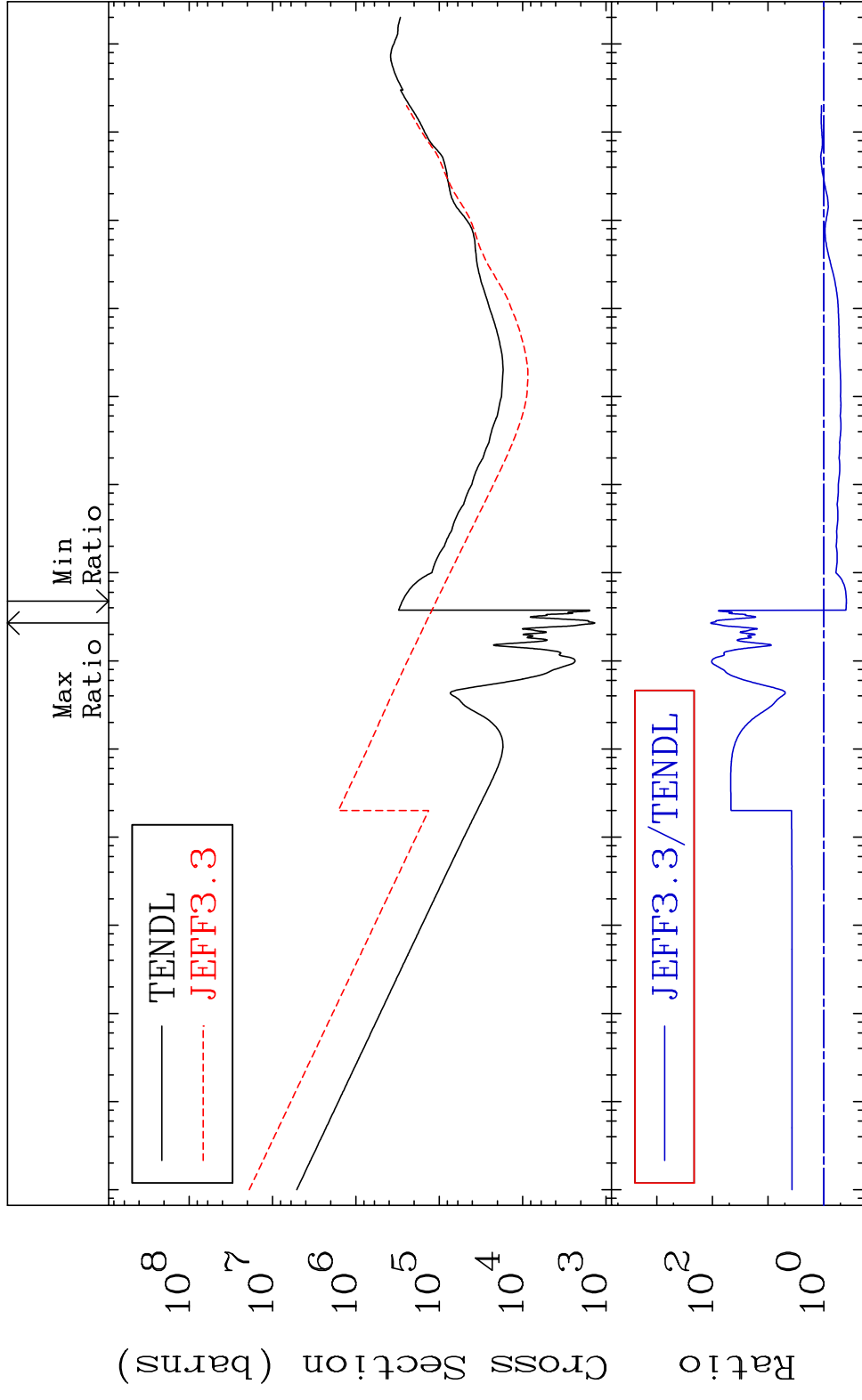


MAT 9340

Dpa total (eV-barns)

93-Np-235

Cross Section -60.78 To 9999. %

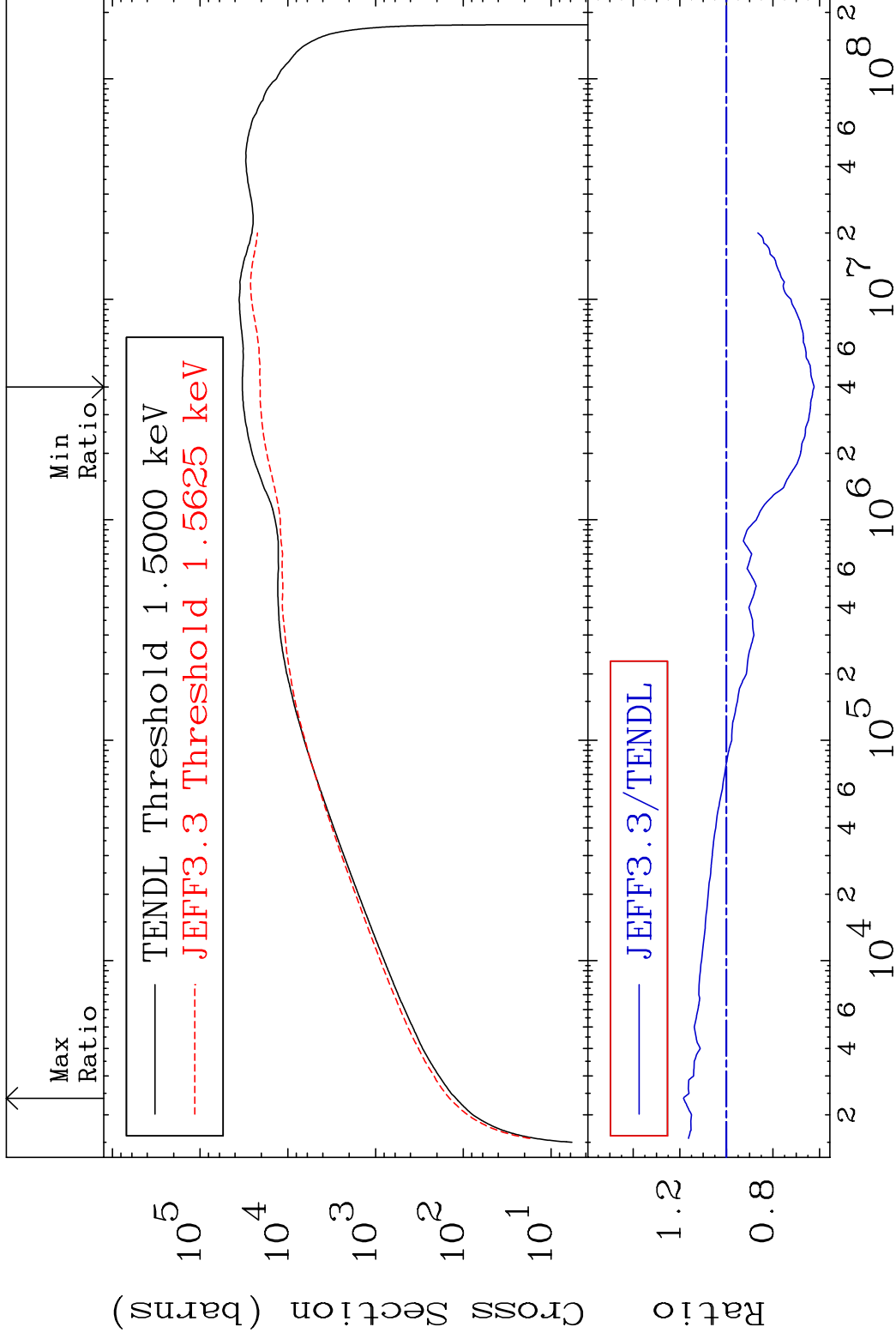


MAT 9340

Dpa elastic (mt2)

93-Np-235

Cross Section -37.59 To 18.41 %

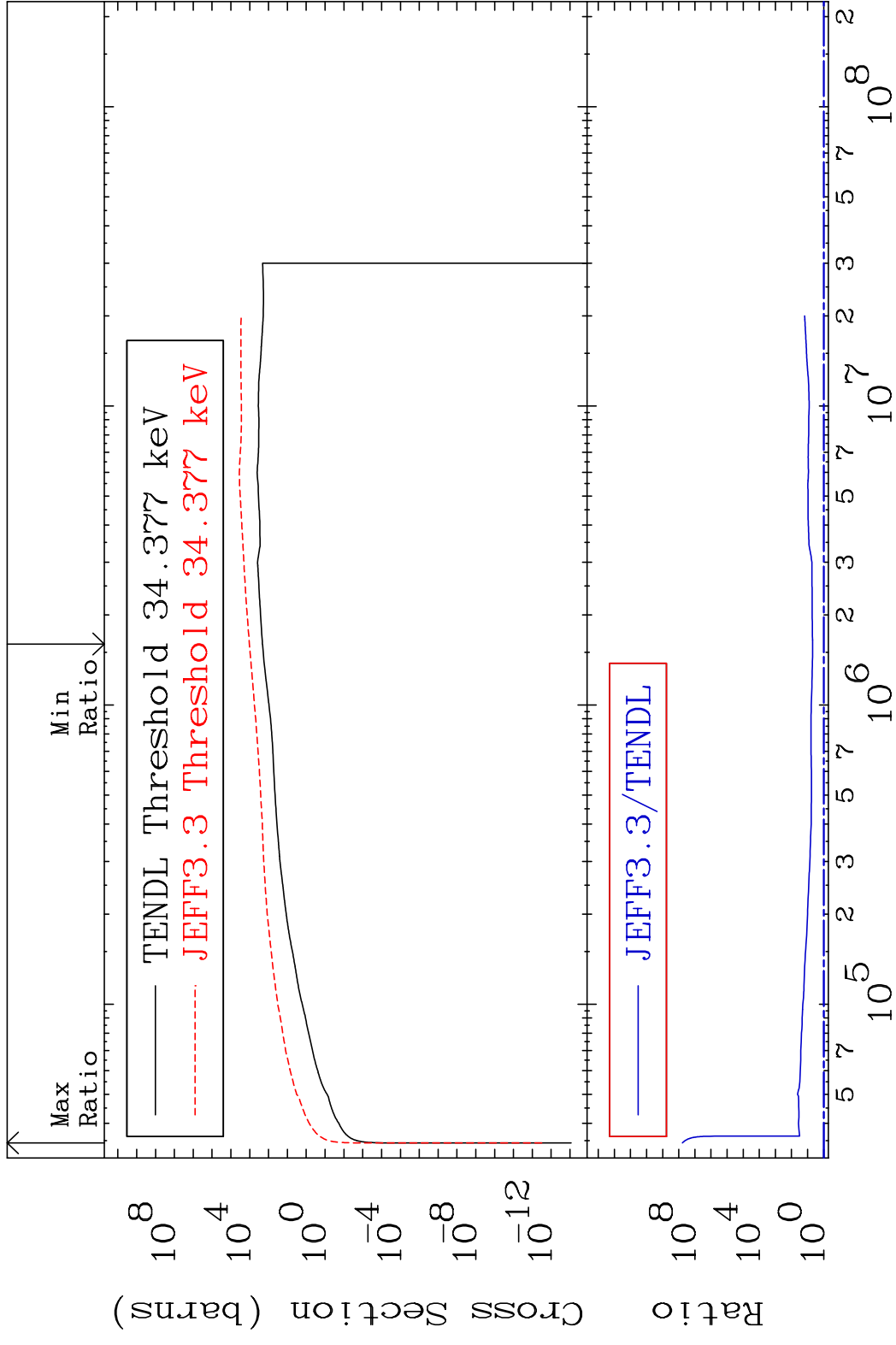


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Incident Energy (eV)

93-Np-235

MAT 9340 Dpa inelastic (mt51-91) 93-Np-235  
 Cross Section 391.7 To 9999. %



MAT 9340 Dpa disappearance (mt102 -120) 93-Np-235  
 Cross Section -100.0 To 3747. %

