

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

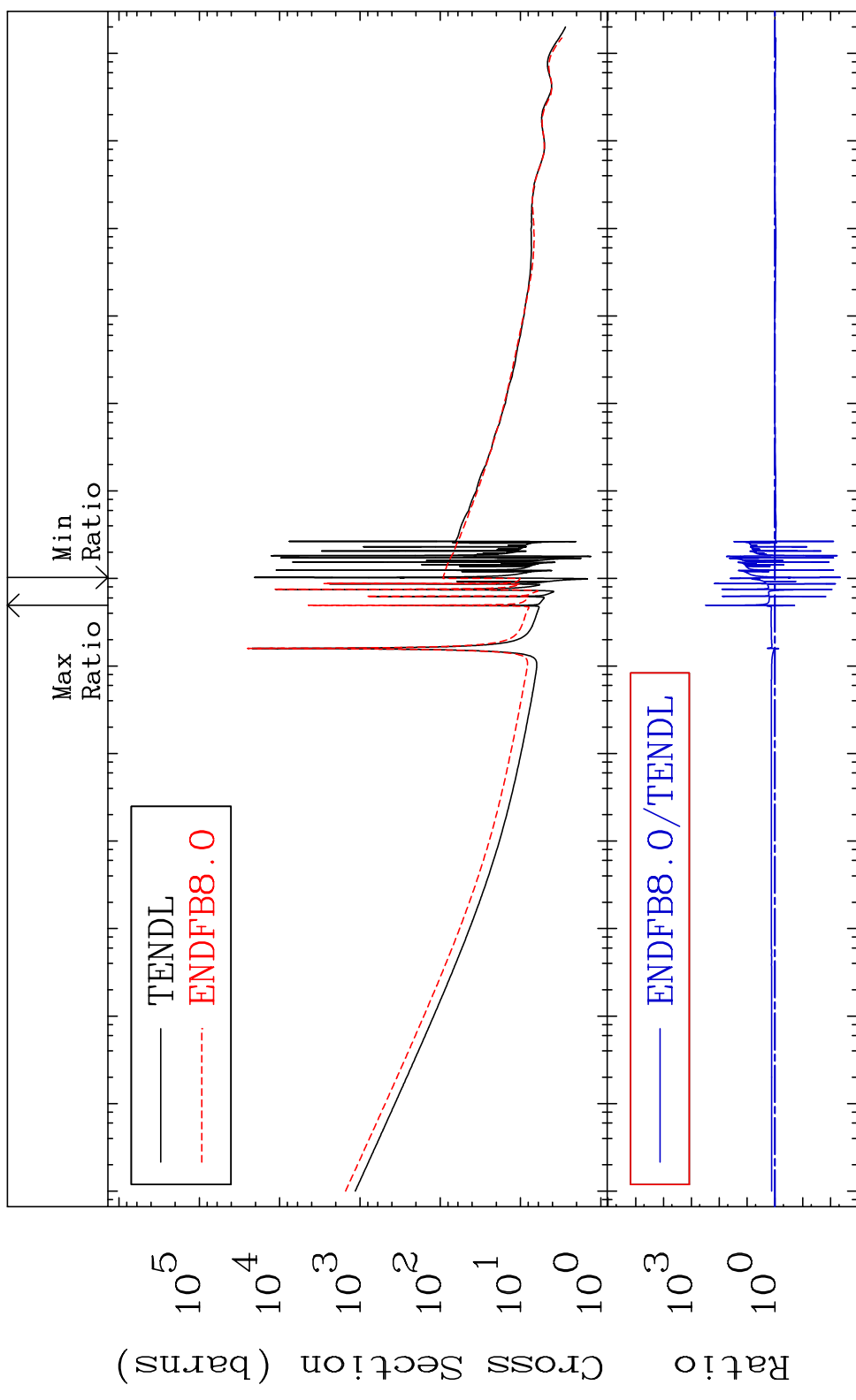
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E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7425

Total Cross Section -99.56 To 9999. %  
74-W -180



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>

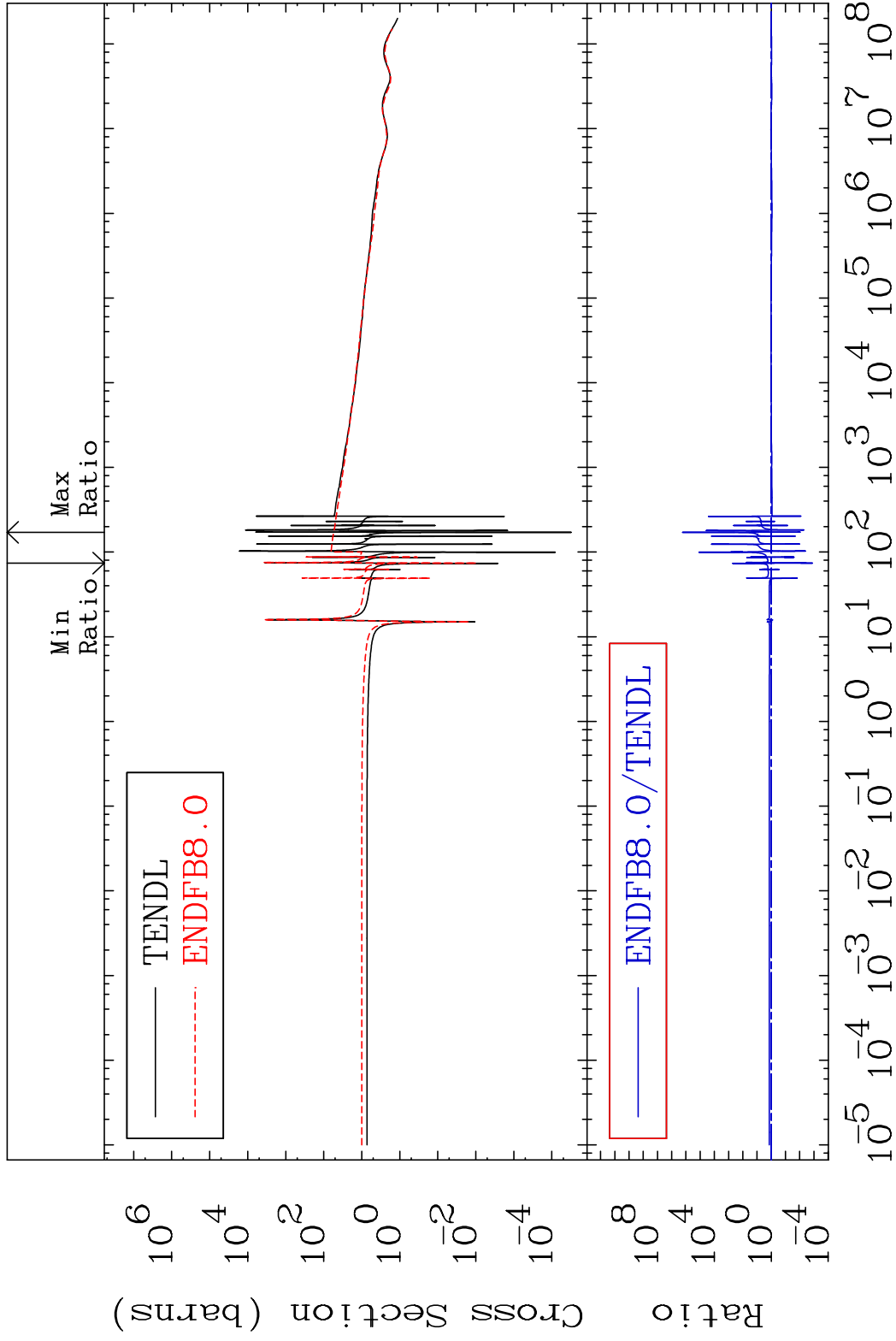
1 Incident Energy (eV) 74-W -180

MAT 7425

Elastic

74-W -180

Cross Section -99.88 To 9999. %

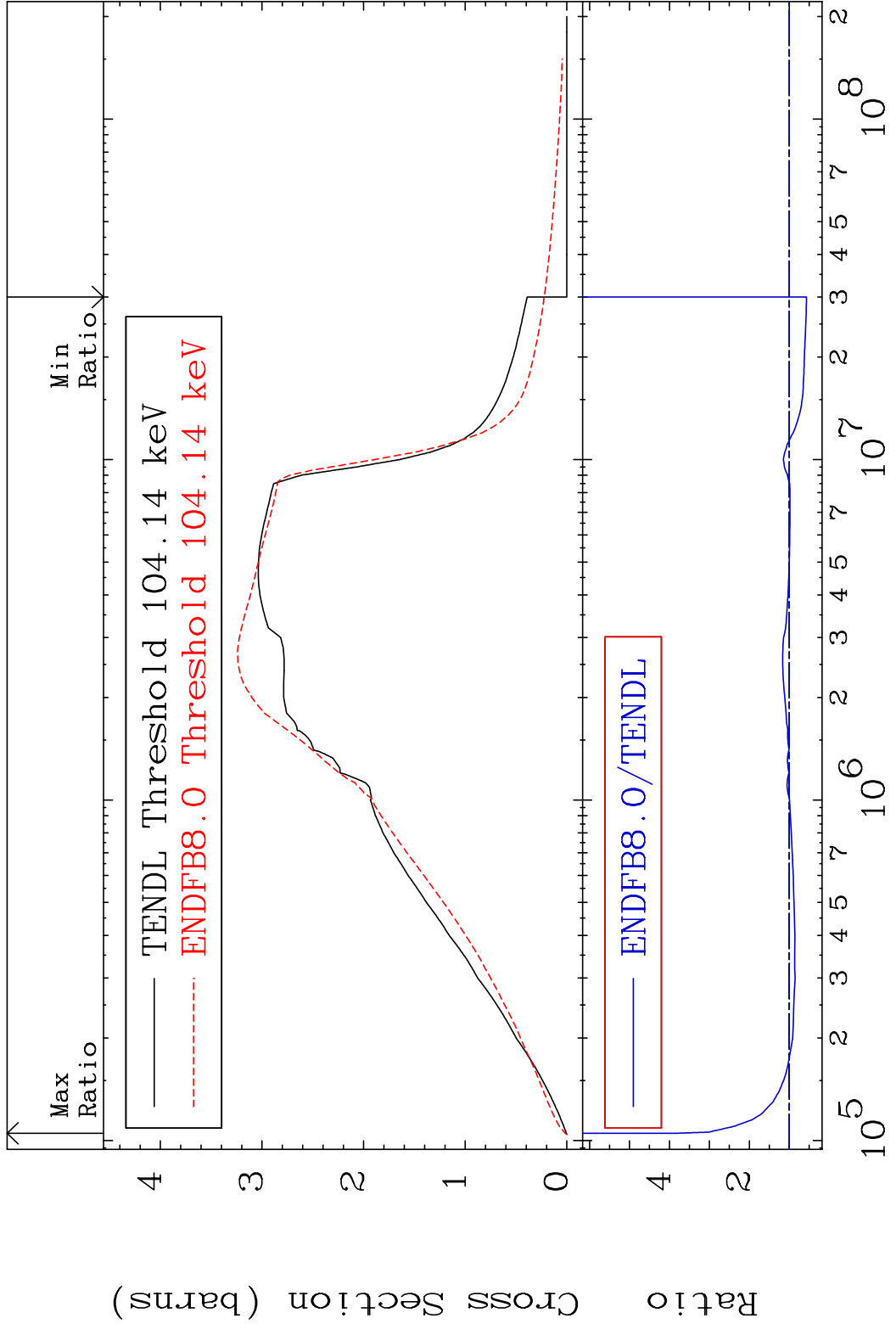


2

Incident Energy (eV)

74-W -180

MAT 7425 Inelastic 74-W -180  
 Cross Section -42.87 To 280.7 %



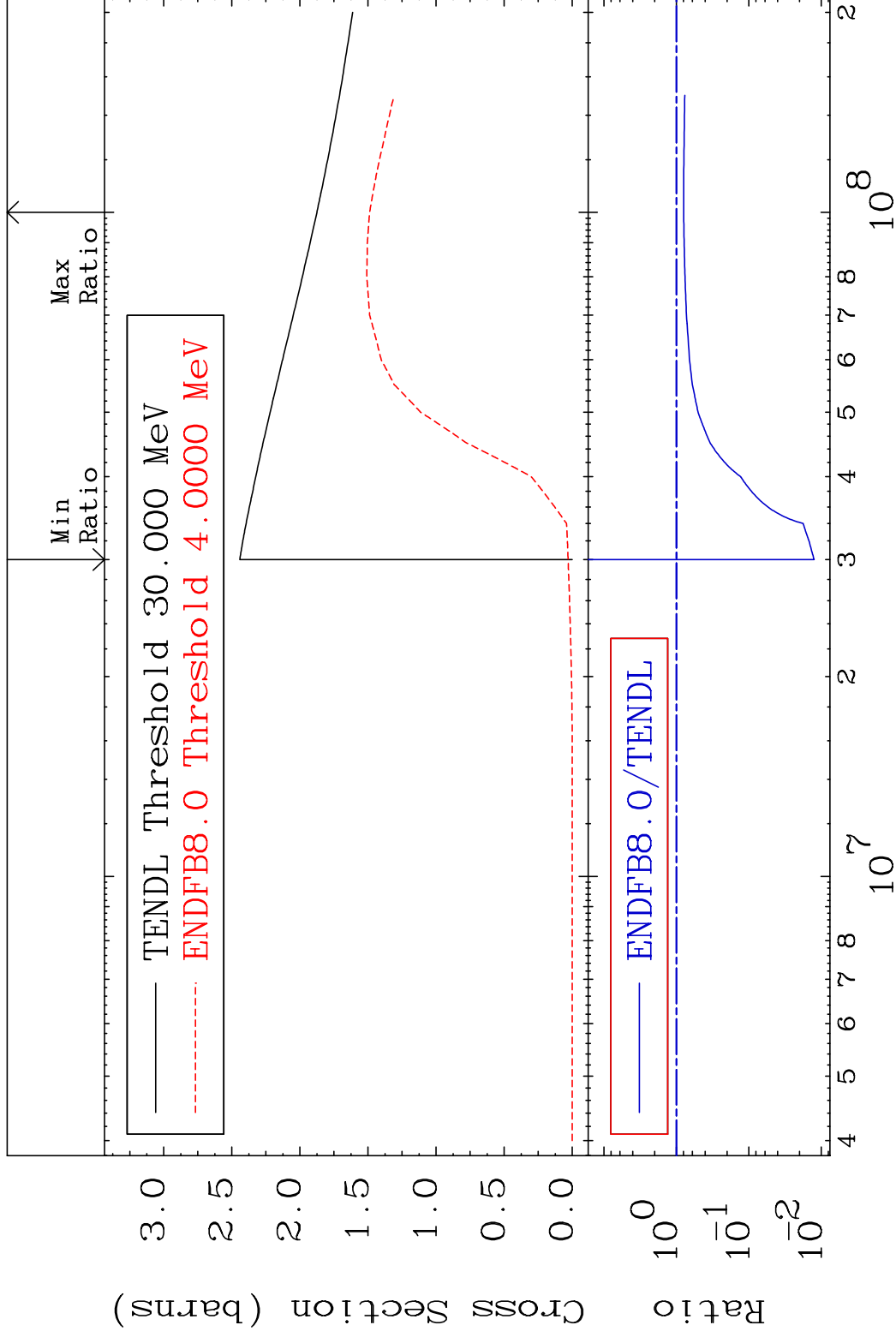
3 2 1 0 4 2 3 4 5 7 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 2 74-W -180

MAT 7425

(n, remainder)

74-W -180

Cross Section -98.74 To -20.63%



4

Incident Energy (eV)

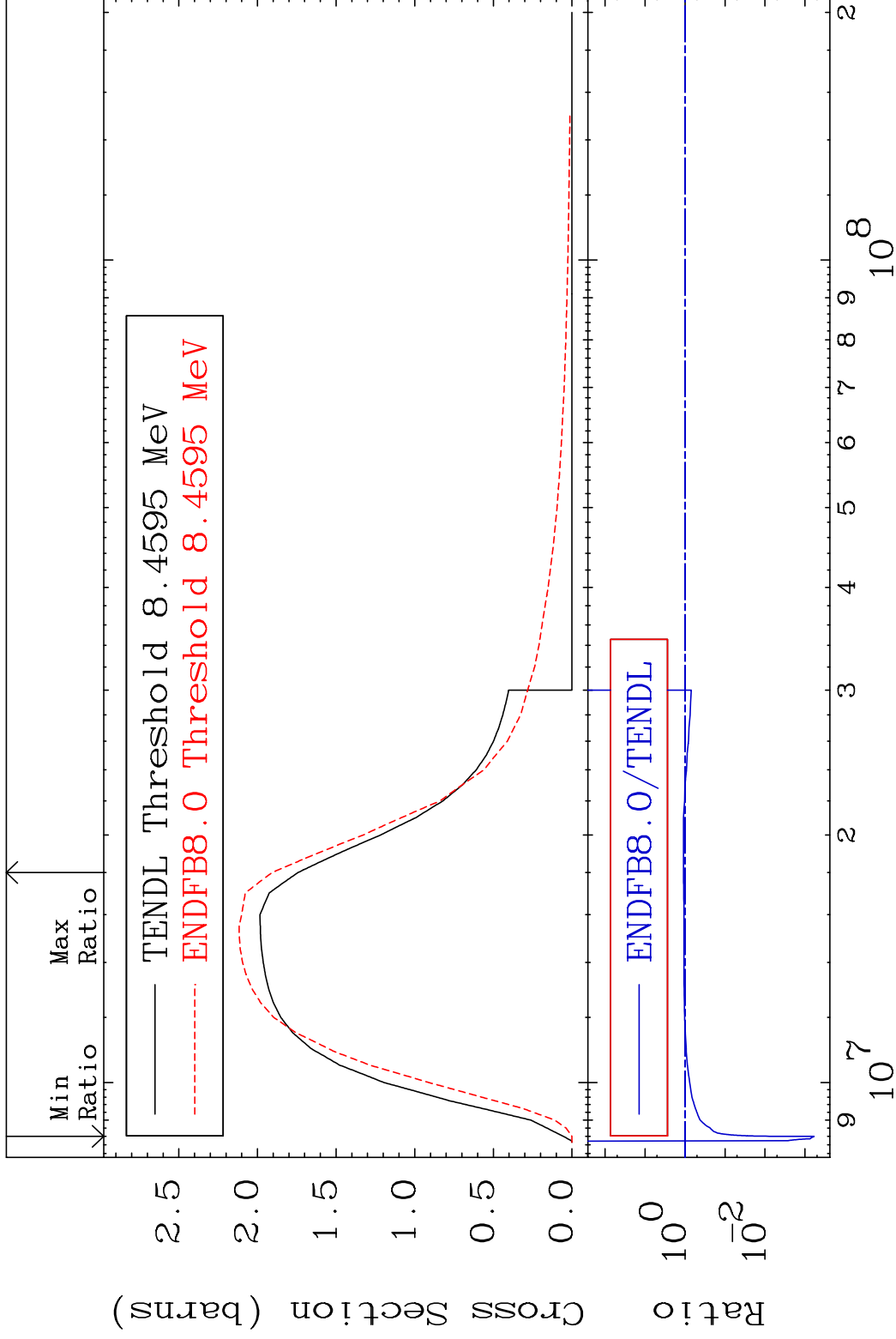
74-W -180

MAT 7425

(n,2n)

74-W -180

Cross Section -99.94 To 9.459 %



5

Incident Energy (eV)

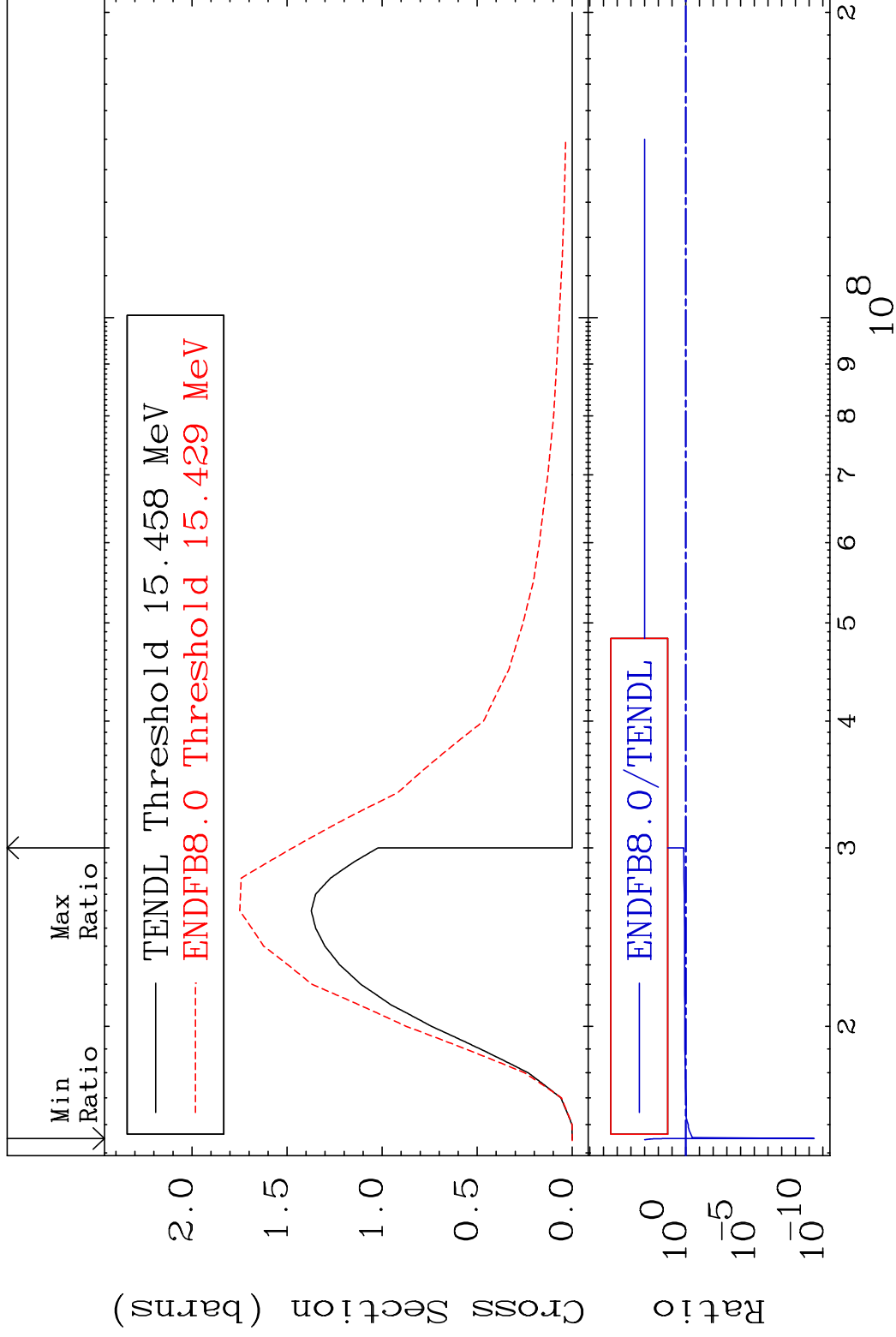
74-W -180

MAT 7425

(n,3n)

74-W -180

Cross Section -100.0 To 43.93 %

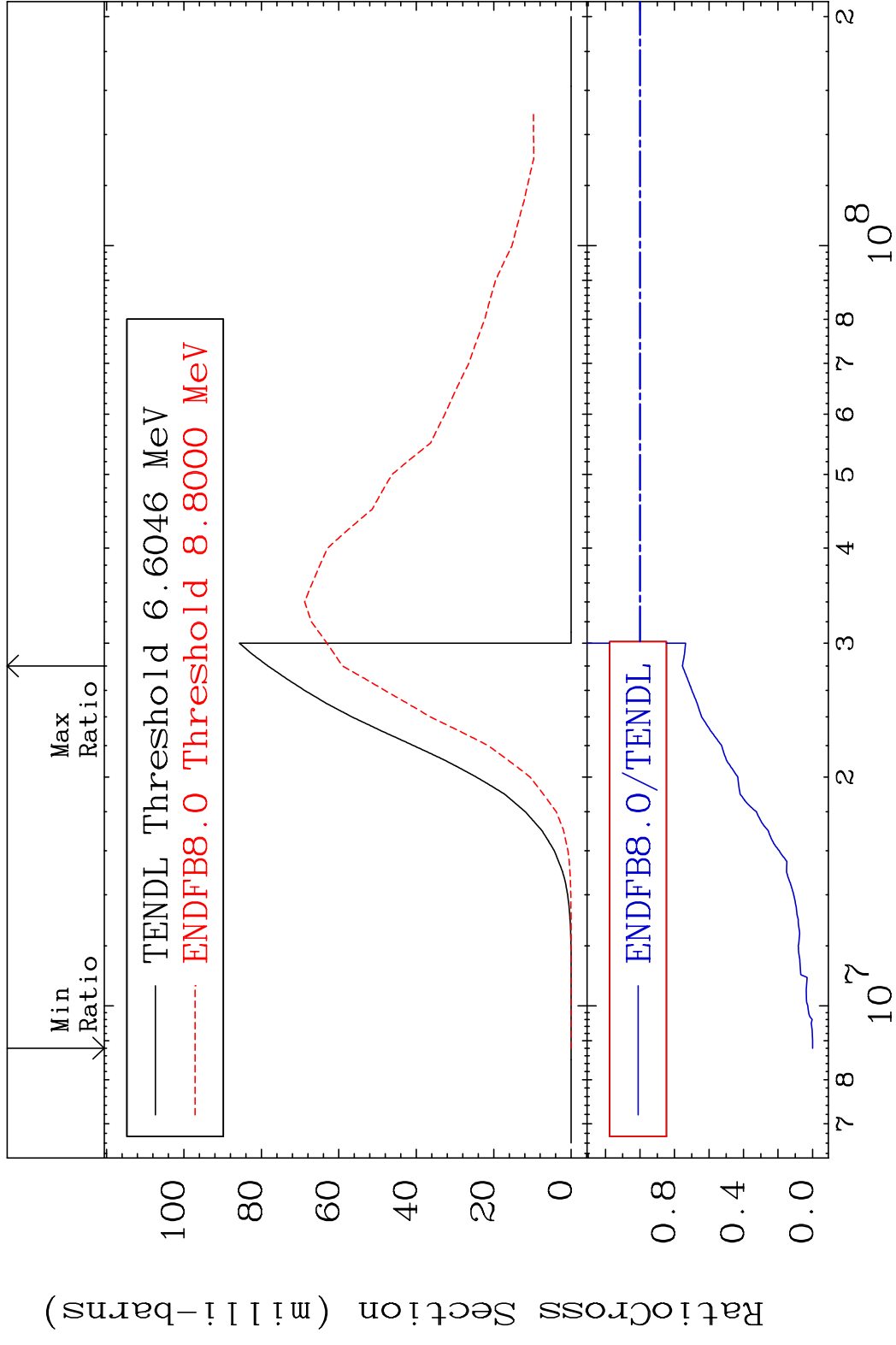


6

Incident Energy (eV)

74-W -180

MAT 7425 (n, n') p 74-W -180  
 Cross Section -100.0 To -24.56%



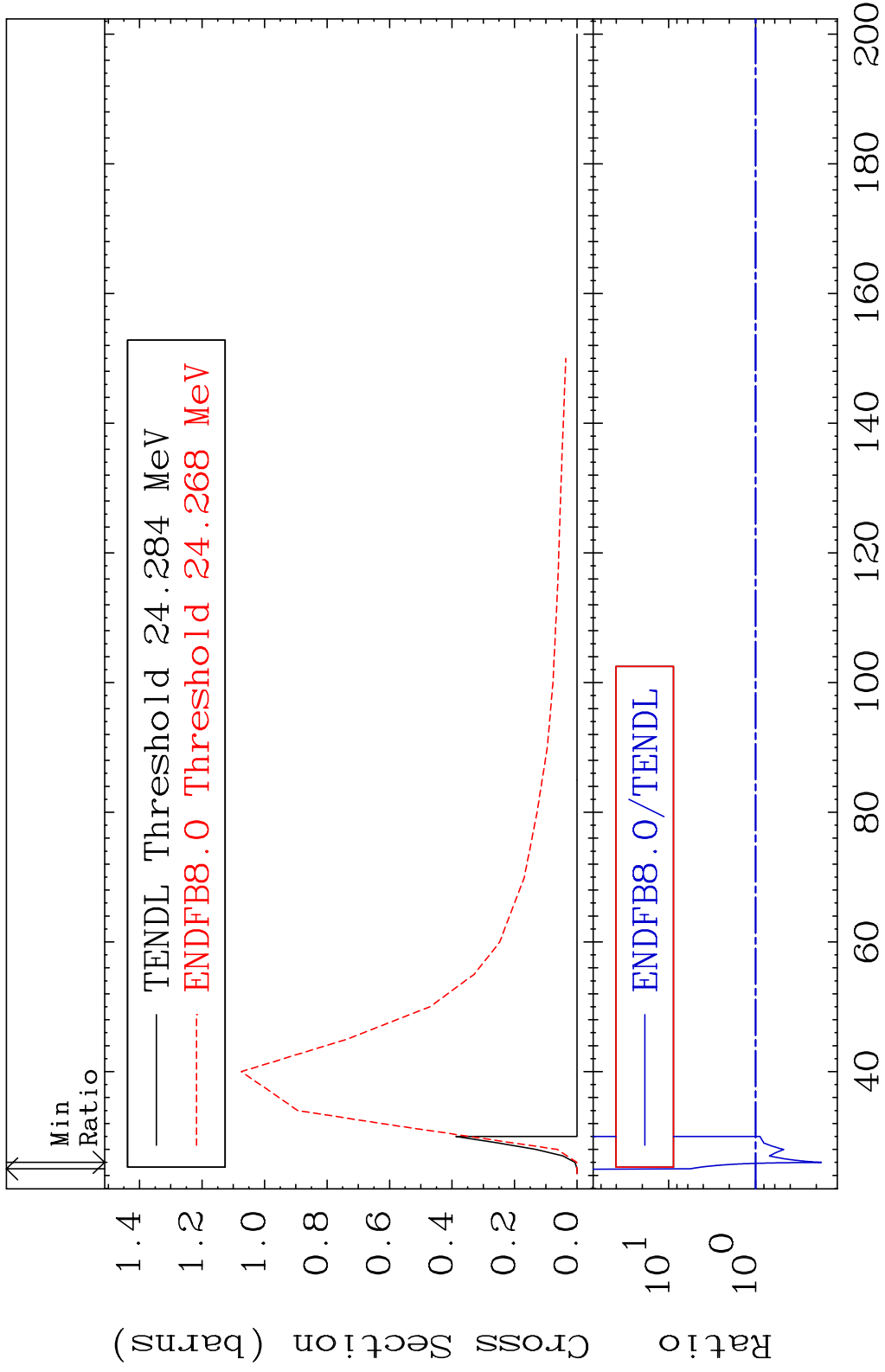
7 74-W -180

MAT 7425

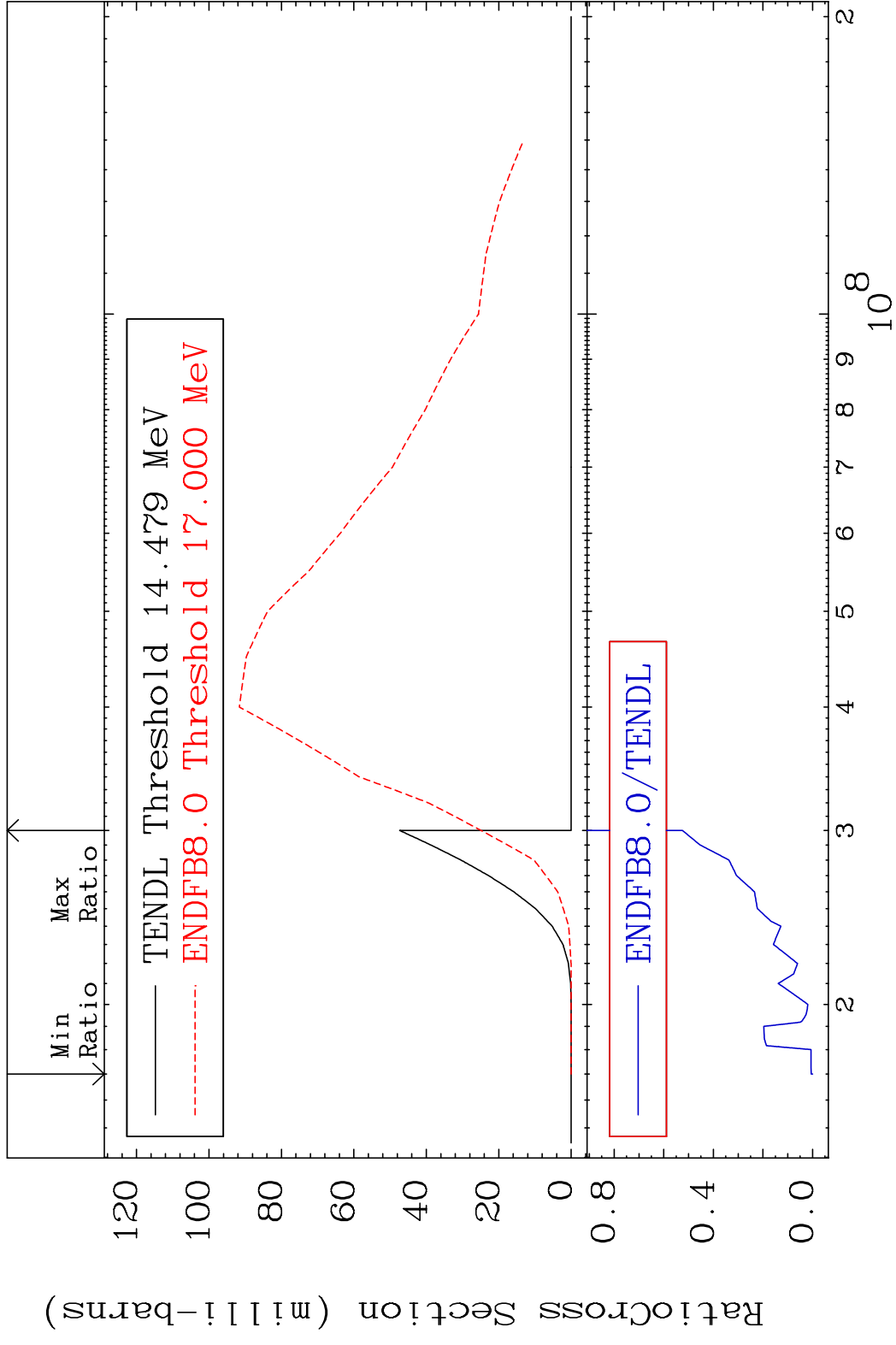
(n,4n)

74-W -180

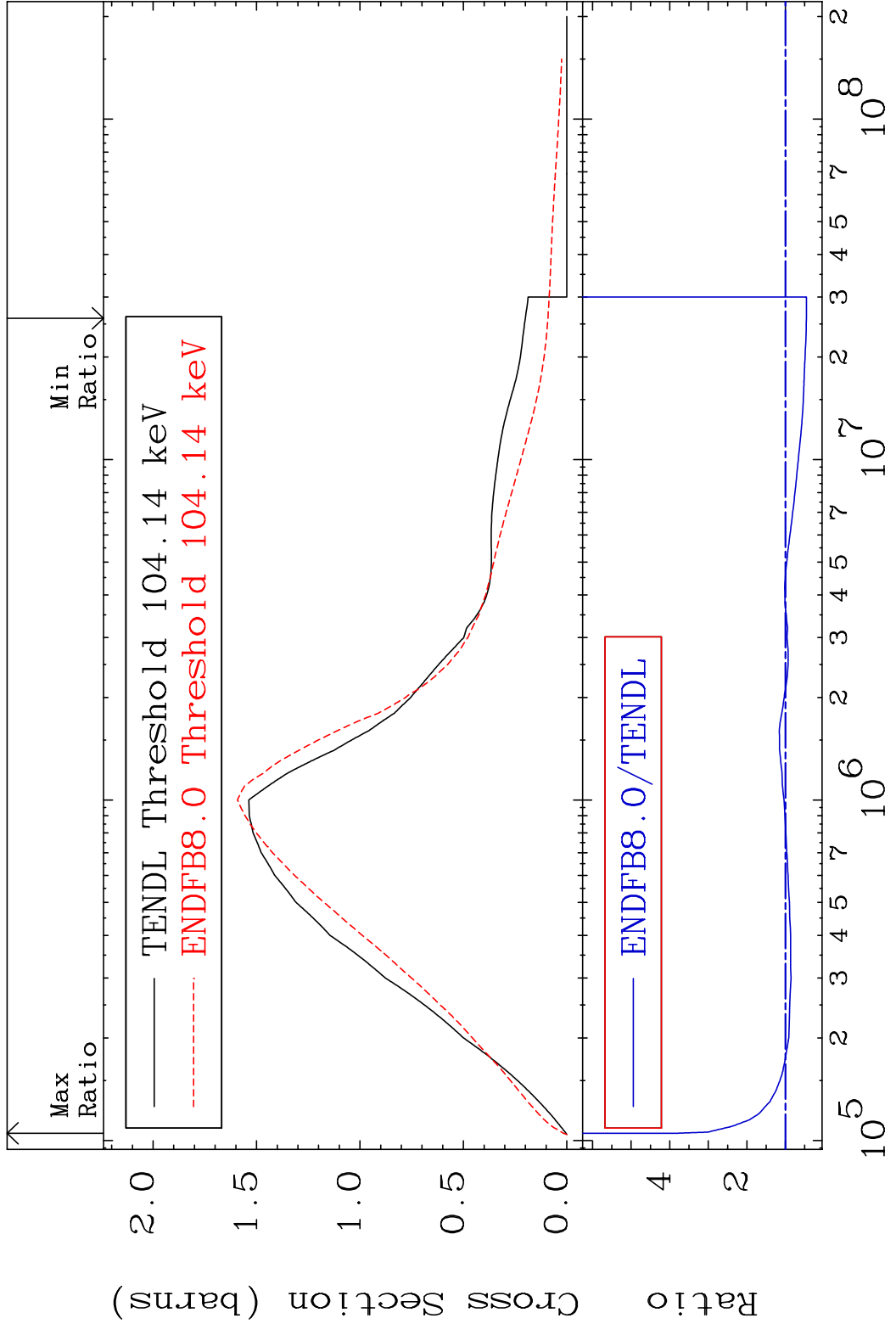
Cross Section -82.48 To 473.6 %



MAT 7425 (n,2n) p 74-W -180  
 Cross Section -100.0 To -47.50%

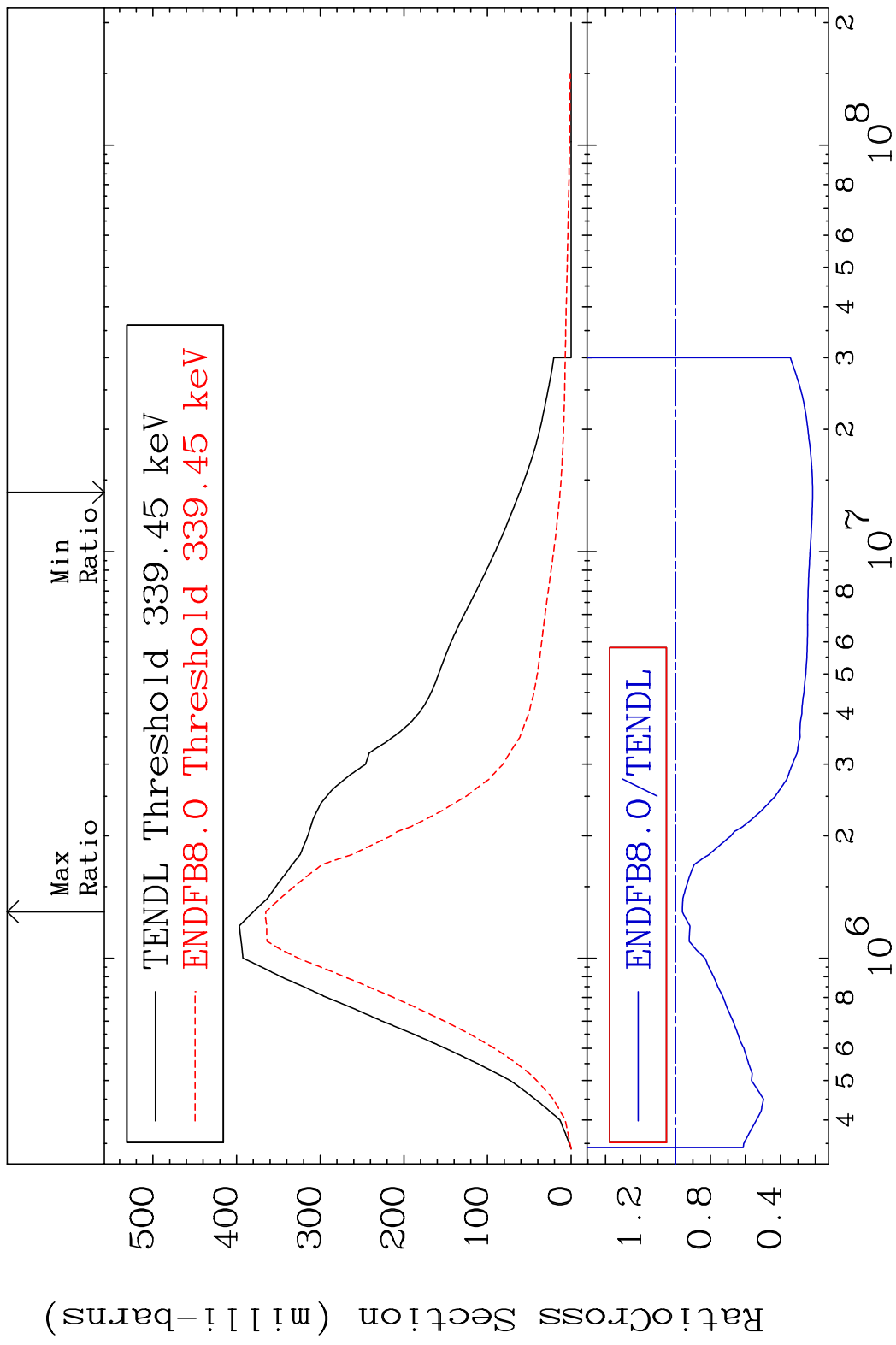


MAT 7425 MT= 51 (n, n') Level 74-W -180  
 Cross Section -54.36 To 280.7 %

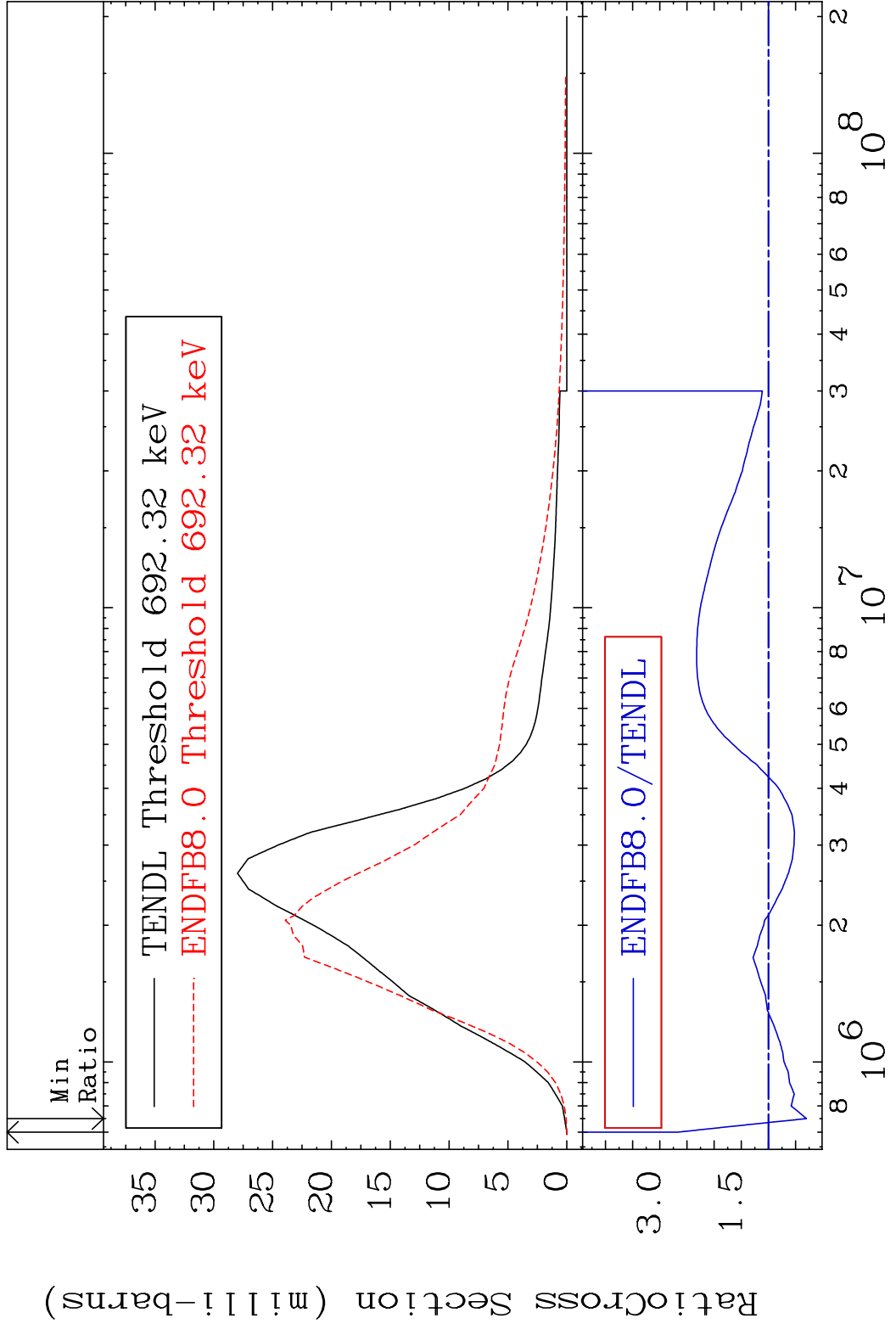


10 Incident Energy (eV) 74-W -180

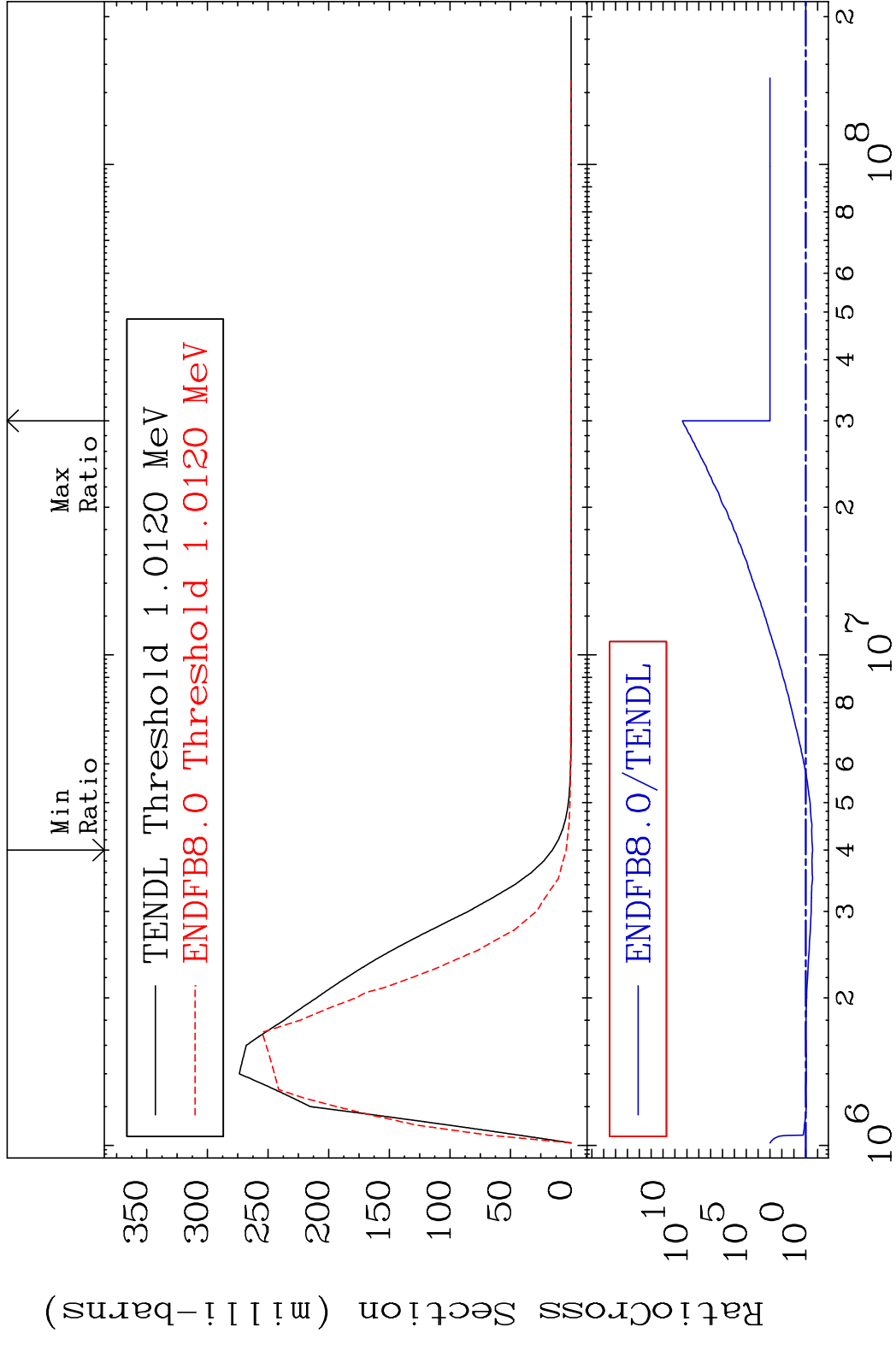
MAT 7425 MT= 52 (n, n') Level 74-W -180  
 Cross Section -78.38 To -3.950%



MAT 7425 MT= 53 (n,n') Level 74-W -180  
 Cross Section -69.72 To 168.1 %

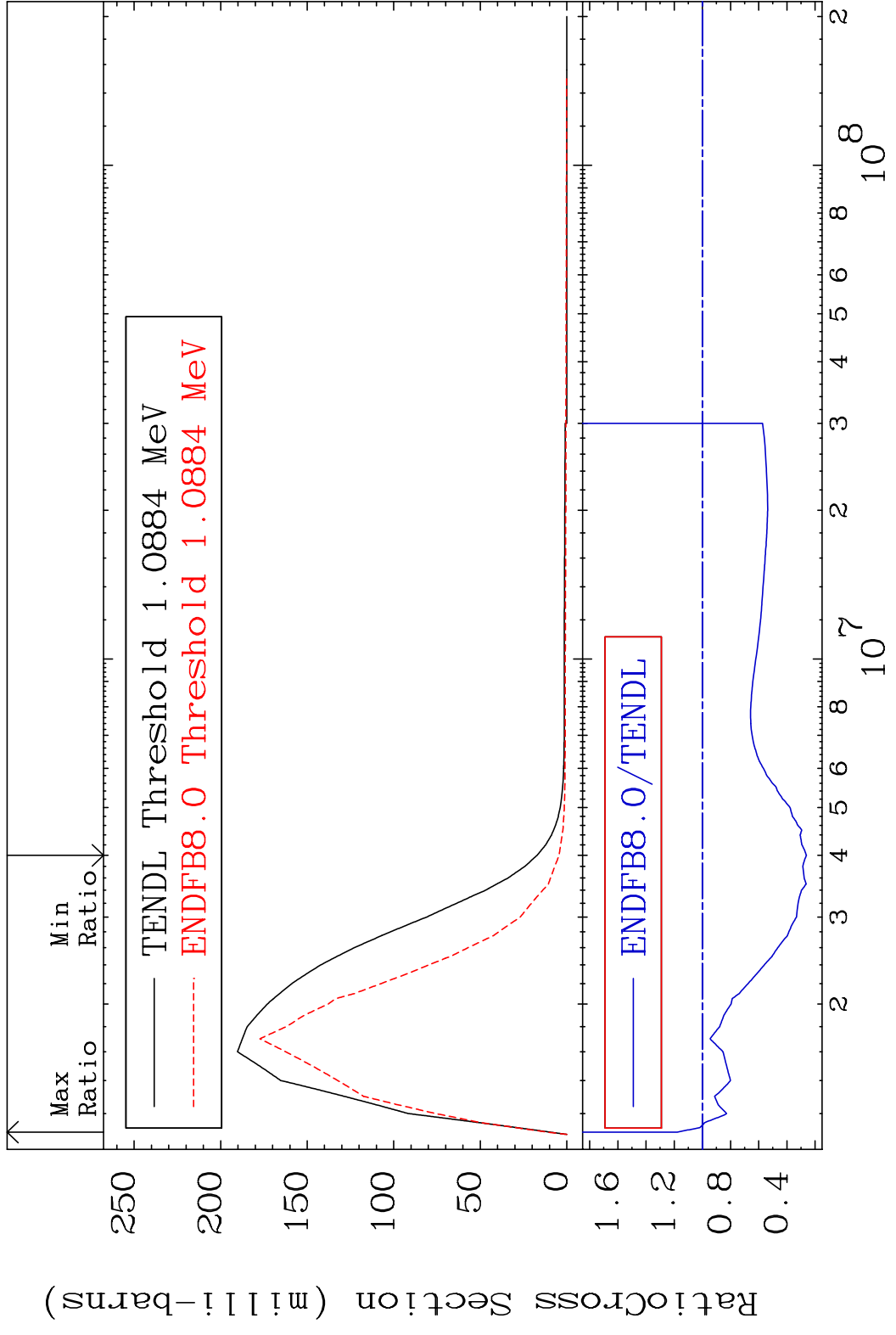


MAT 7425 MT= 54 (n, n') Level 74-W -180  
 Cross Section -73.49 To 9999. %

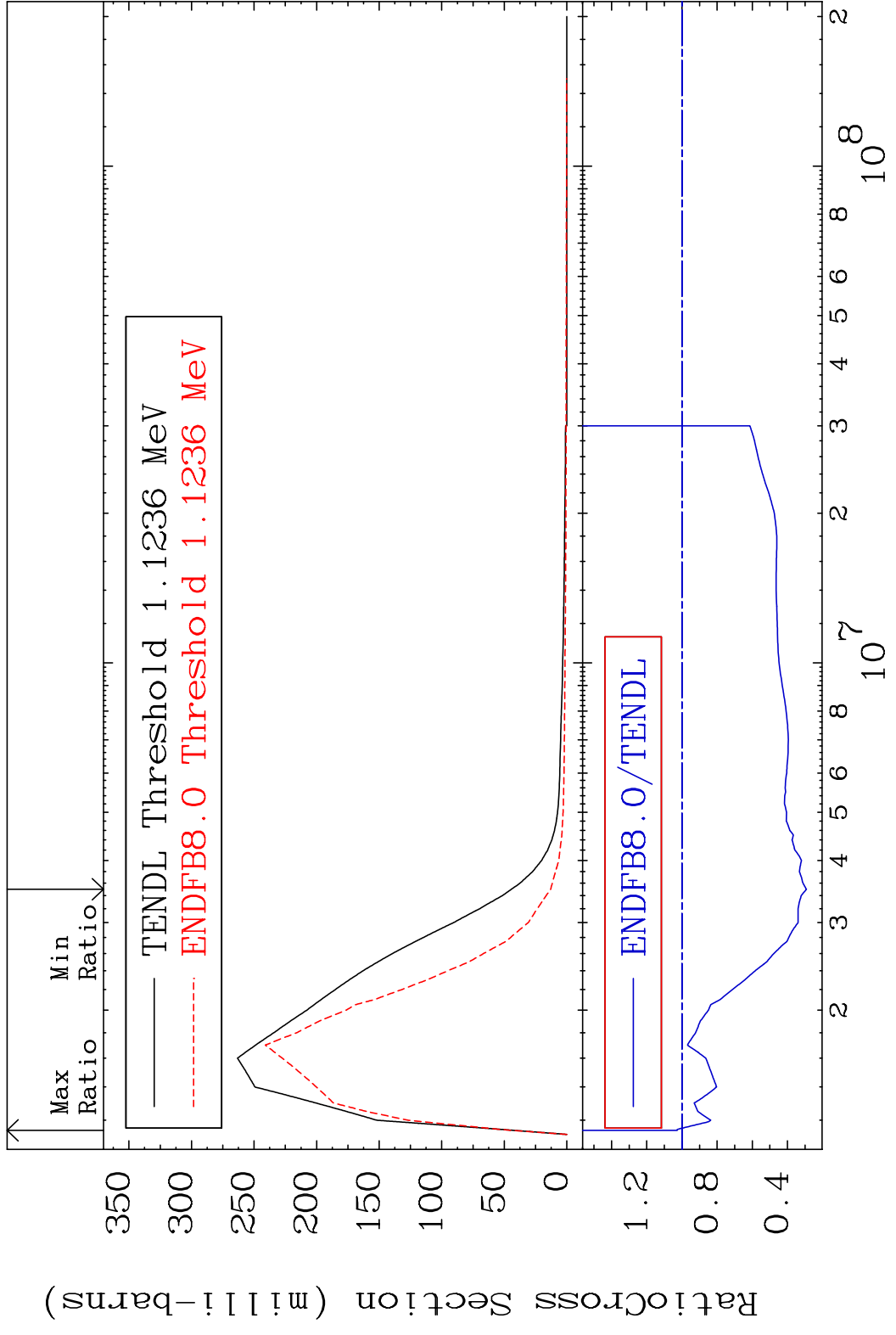


13 Incident Energy (eV) 74-W -180

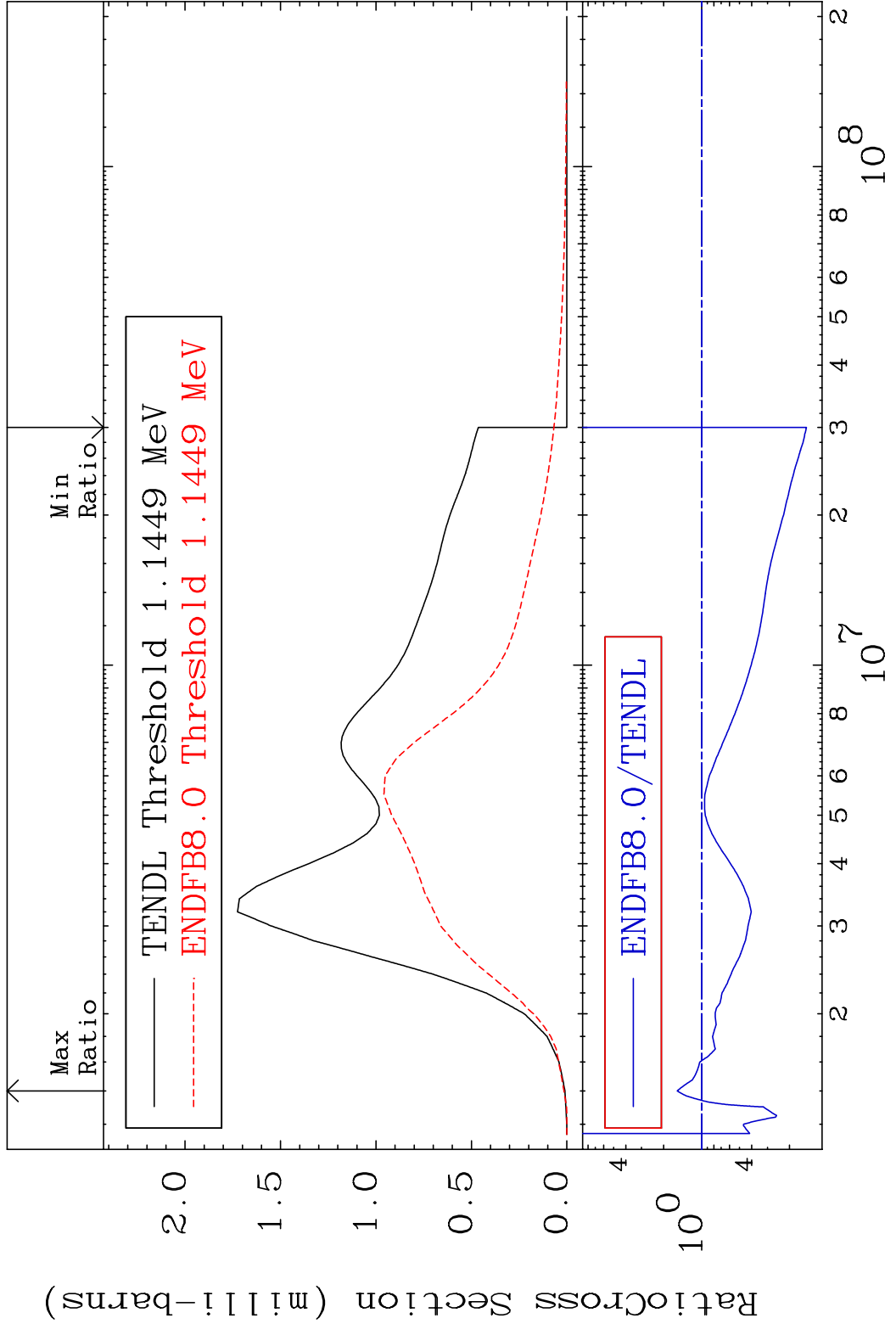
MAT 7425 MT= 55 (n, n') Level 74-W -180  
 Cross Section -73.82 To 17.88 %



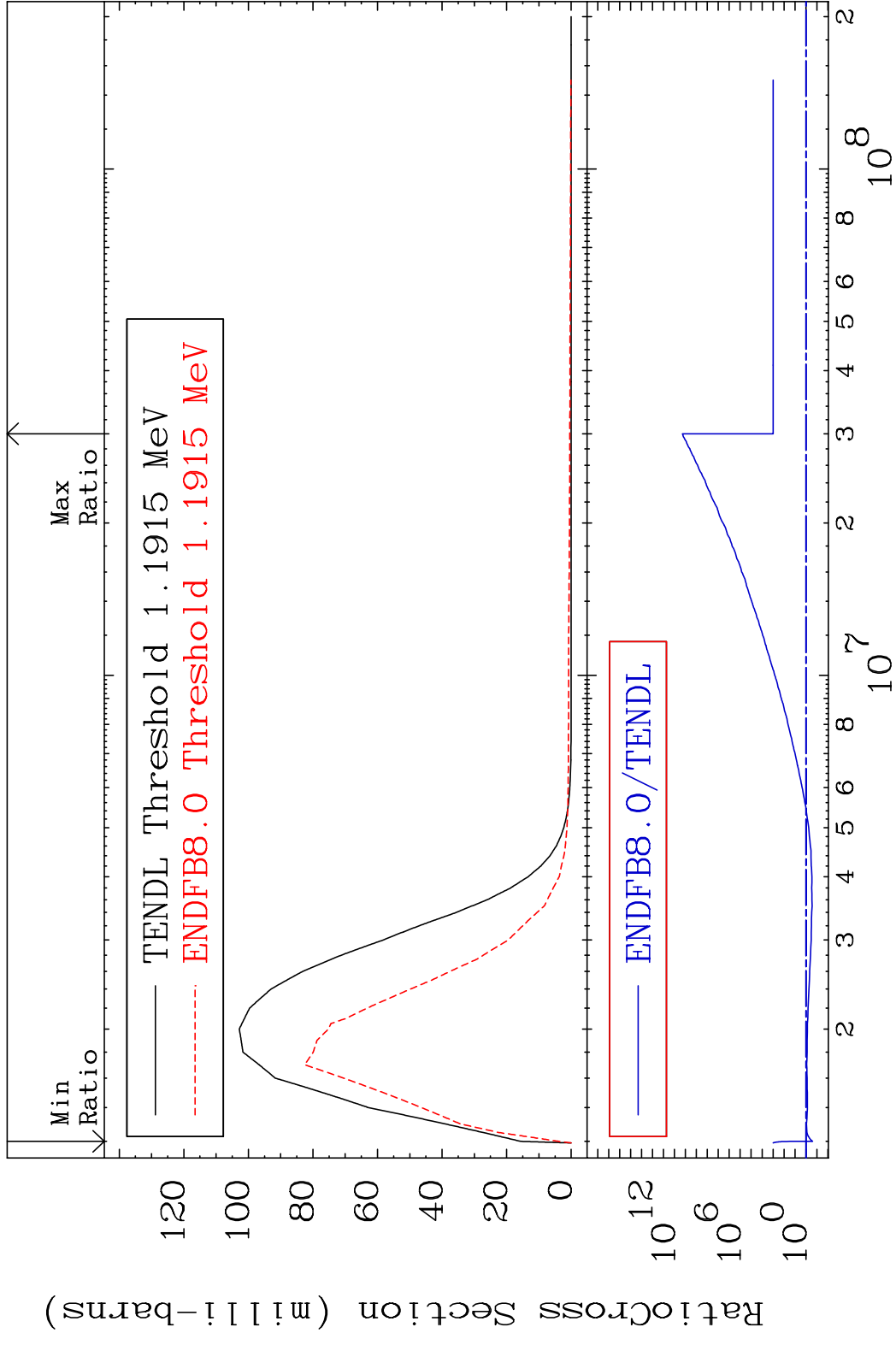
MAT 7425 MT= 56 (n, n') Level 74-W -180  
 Cross Section -70.79 To 2.700 %



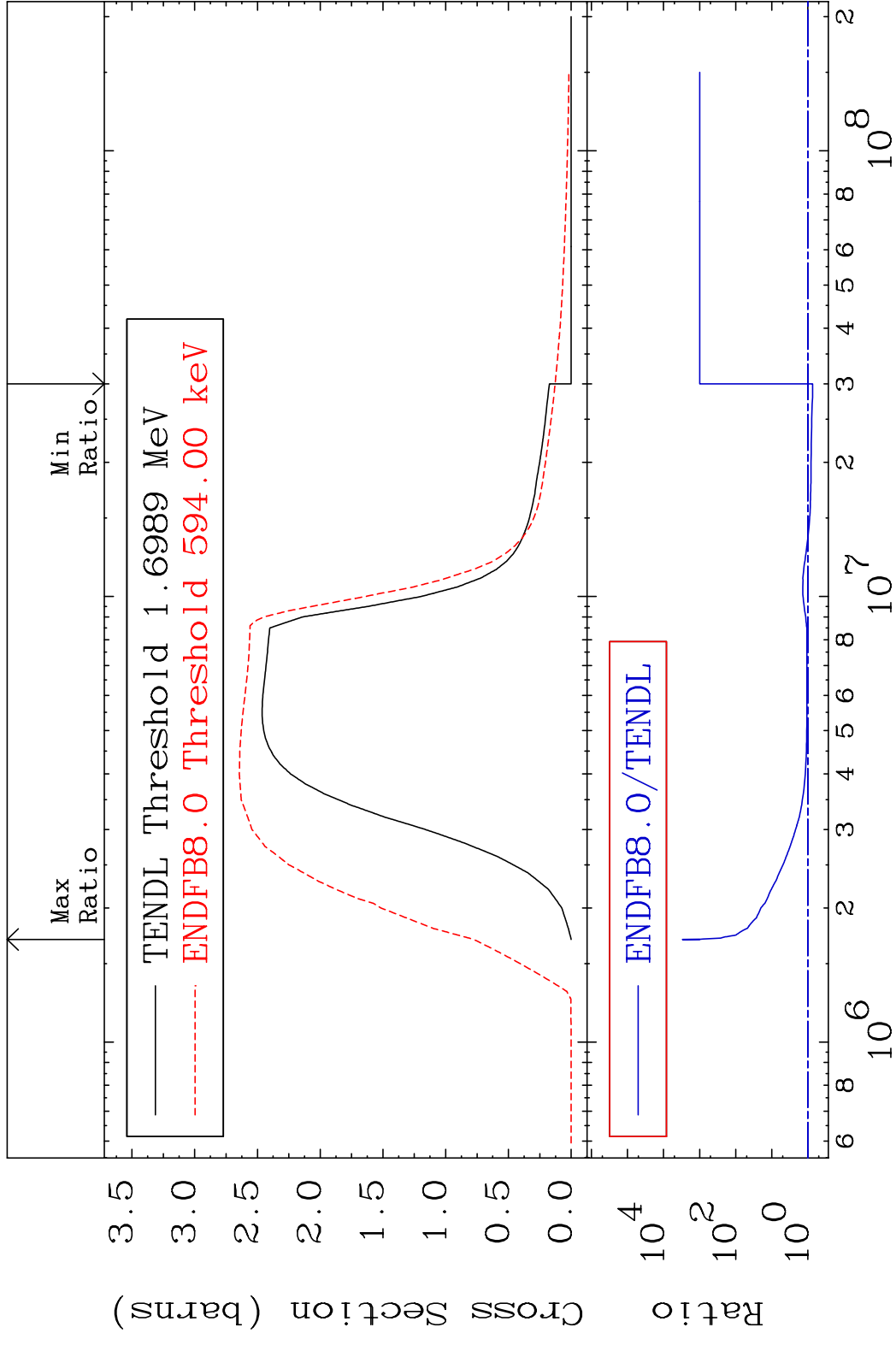
MAT 7425 MT= 57 (n, n') Level 74-W -180  
 Cross Section -85.30 To 56.31 %



MAT 7425 MT= 58 (n, n') Level 74-W -180  
 Cross Section -75.16 To 9999. %



MAT 7425 (n,n') Continuum 74-W -180  
 Cross Section -25.79 To 9999. %

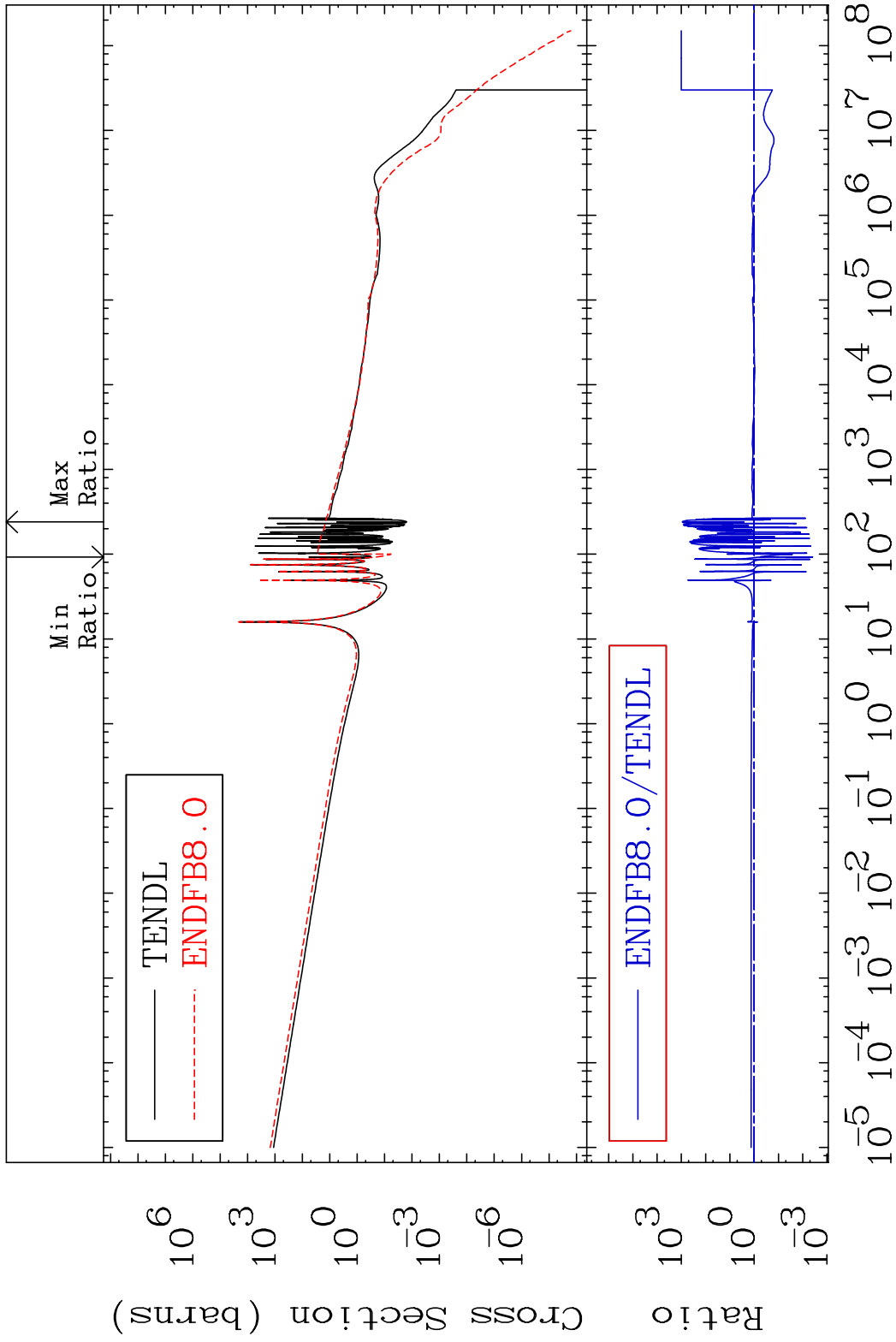


MAT 7425

(n,  $\gamma$ )

74-W -180

Cross Section -99.61 To 9999. %

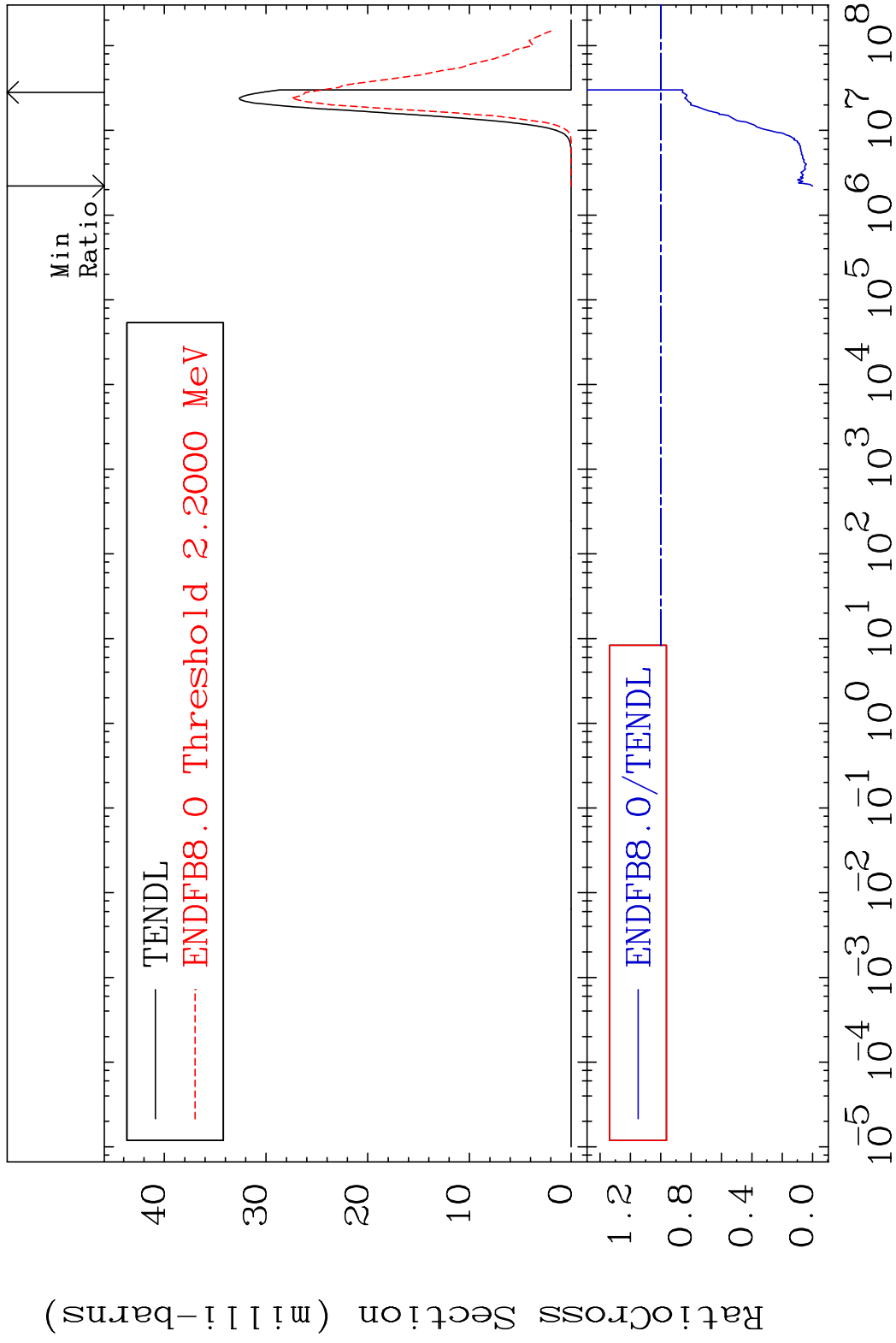


MAT 7425

(n, p)

74-W -180

Cross Section -100.0 To -14.21%



20

Incident Energy (eV)

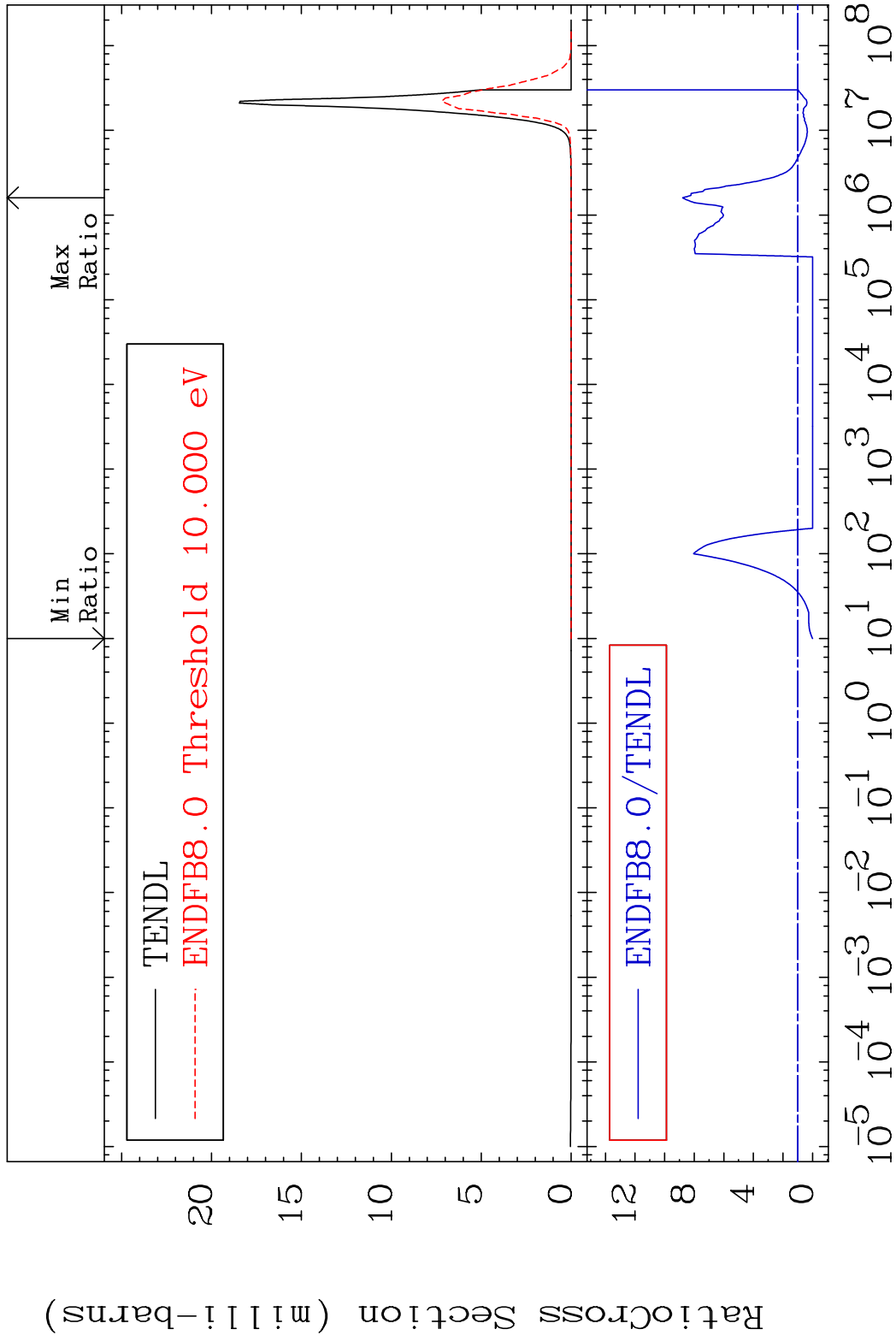
74-W -180

MAT 7425

(n,  $\alpha$ )

74-W -180

Cross Section -100.0 To 780.1 %



21

Incident Energy (eV)

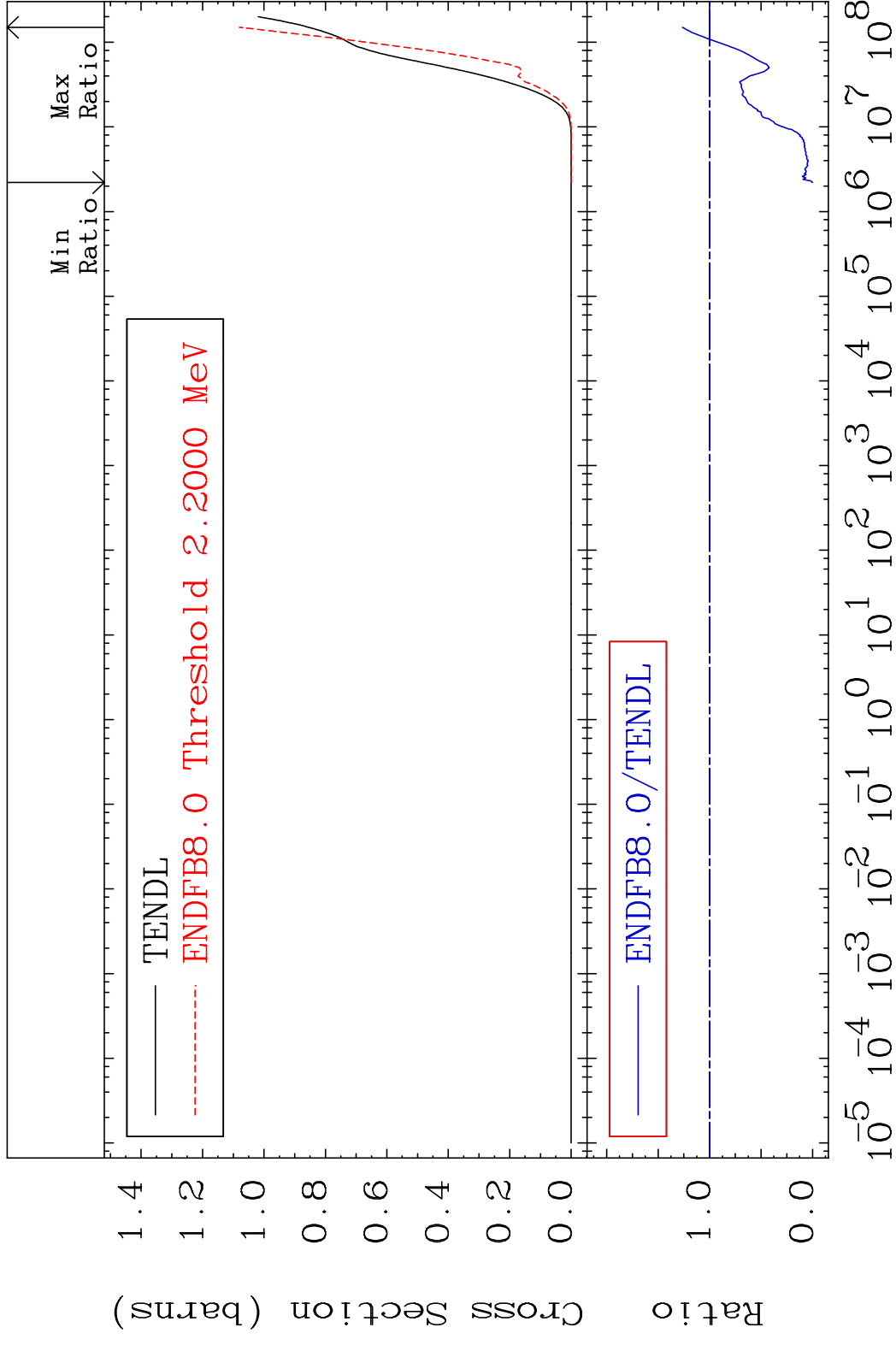
74-W -180

MAT 7425

Hydrogen Production

74-W -180

Cross Section -100.0 To 26.47 %

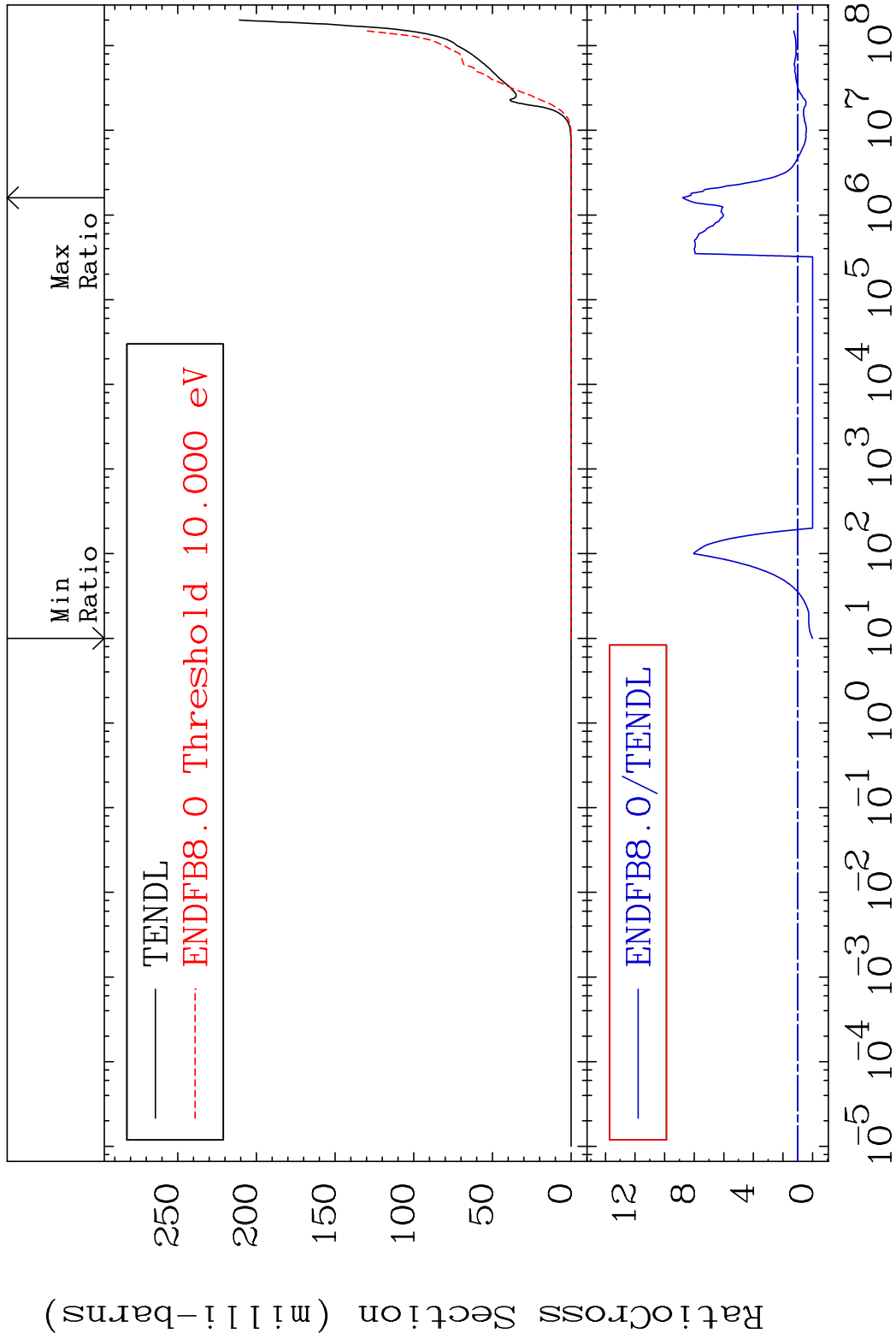


MAT 7425

He-4 Production

74-W -180

Cross Section -100.0 To 780.1 %

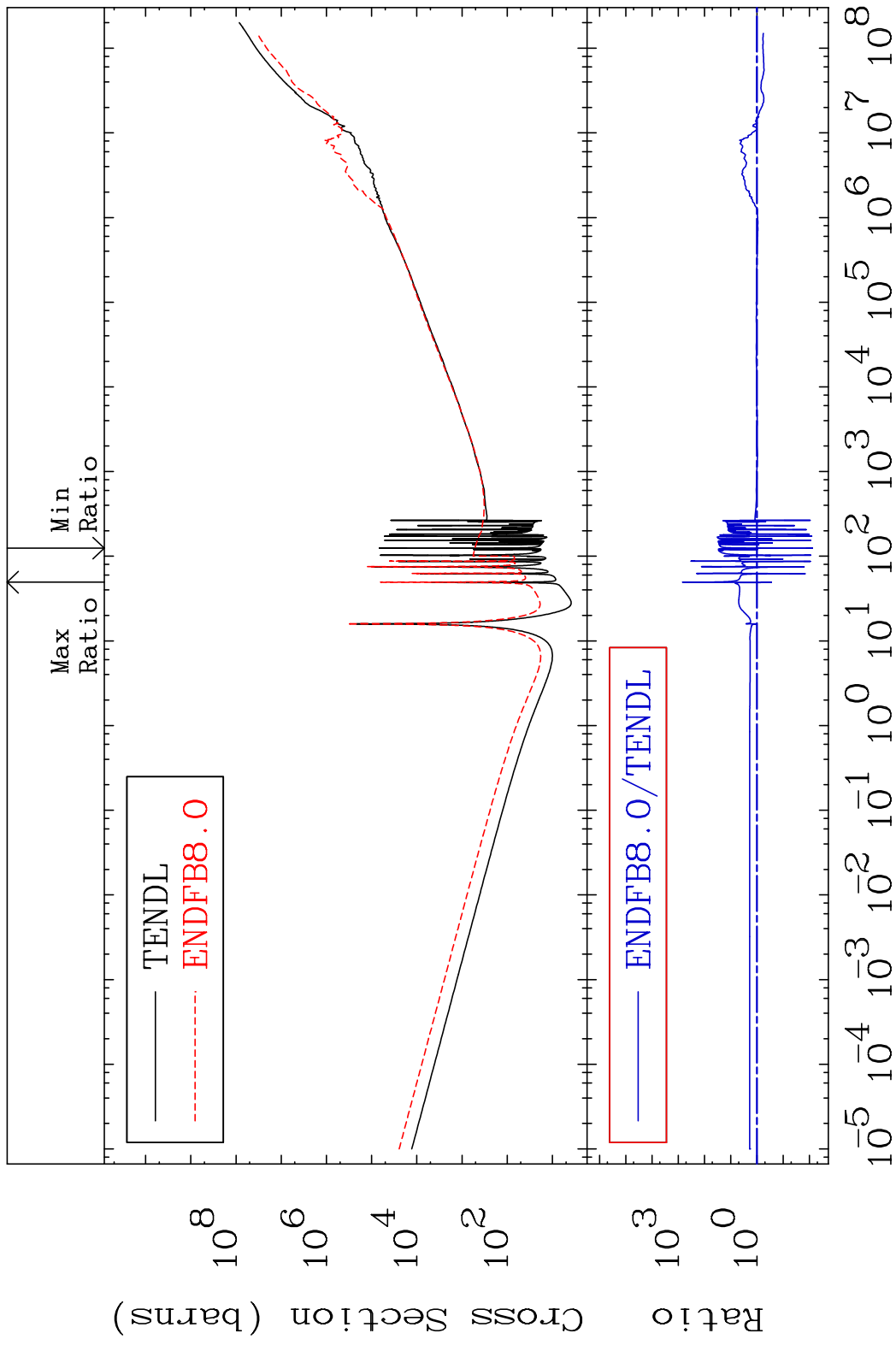


23

Incident Energy (eV)

74-W -180

MAT 7425 Kerma total (eV-barns) 74-W -180  
 Cross Section -99.24 To 9999. %

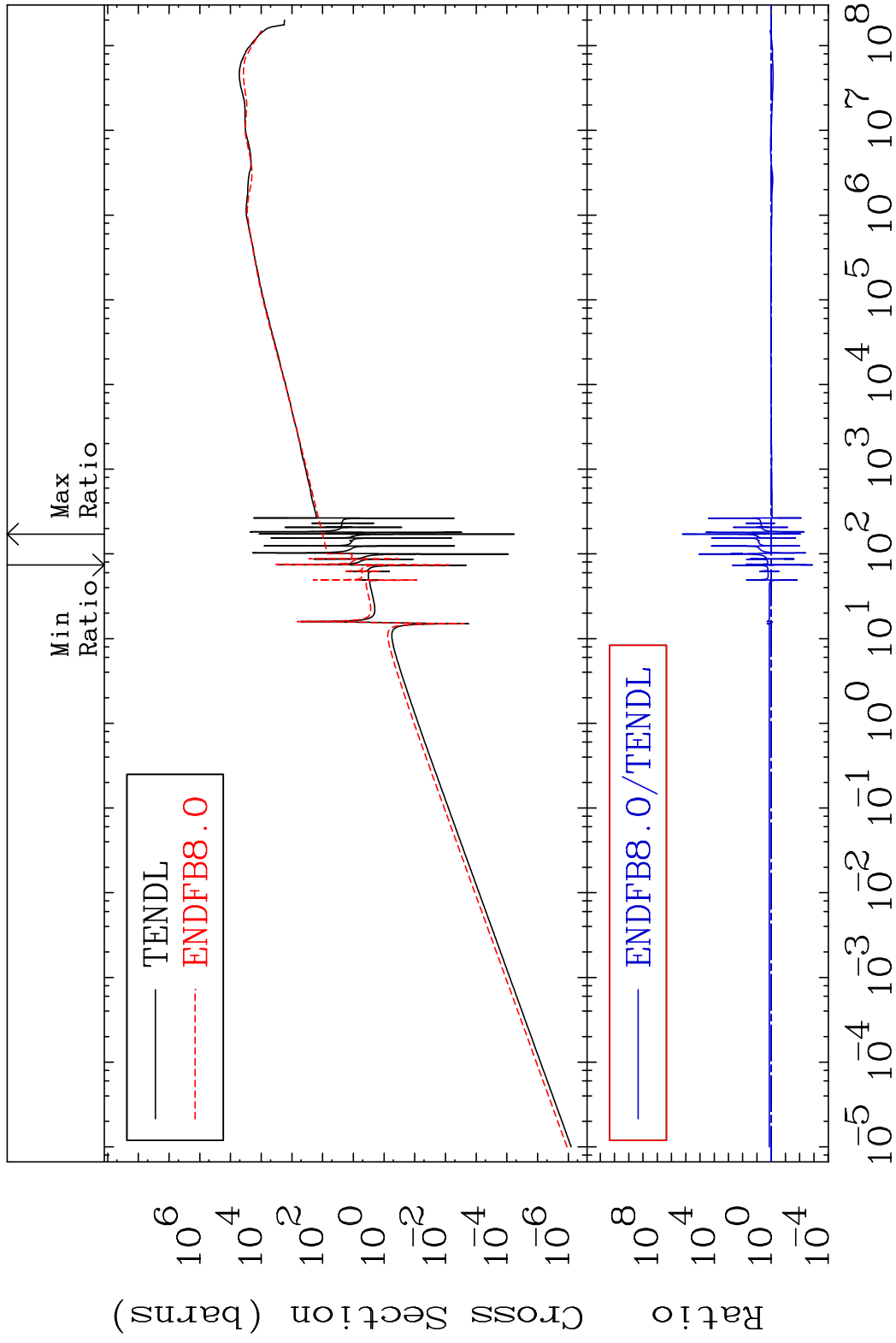


MAT 7425

Kerma elastic

74-W -180

Cross Section -99.88 To 9999. %

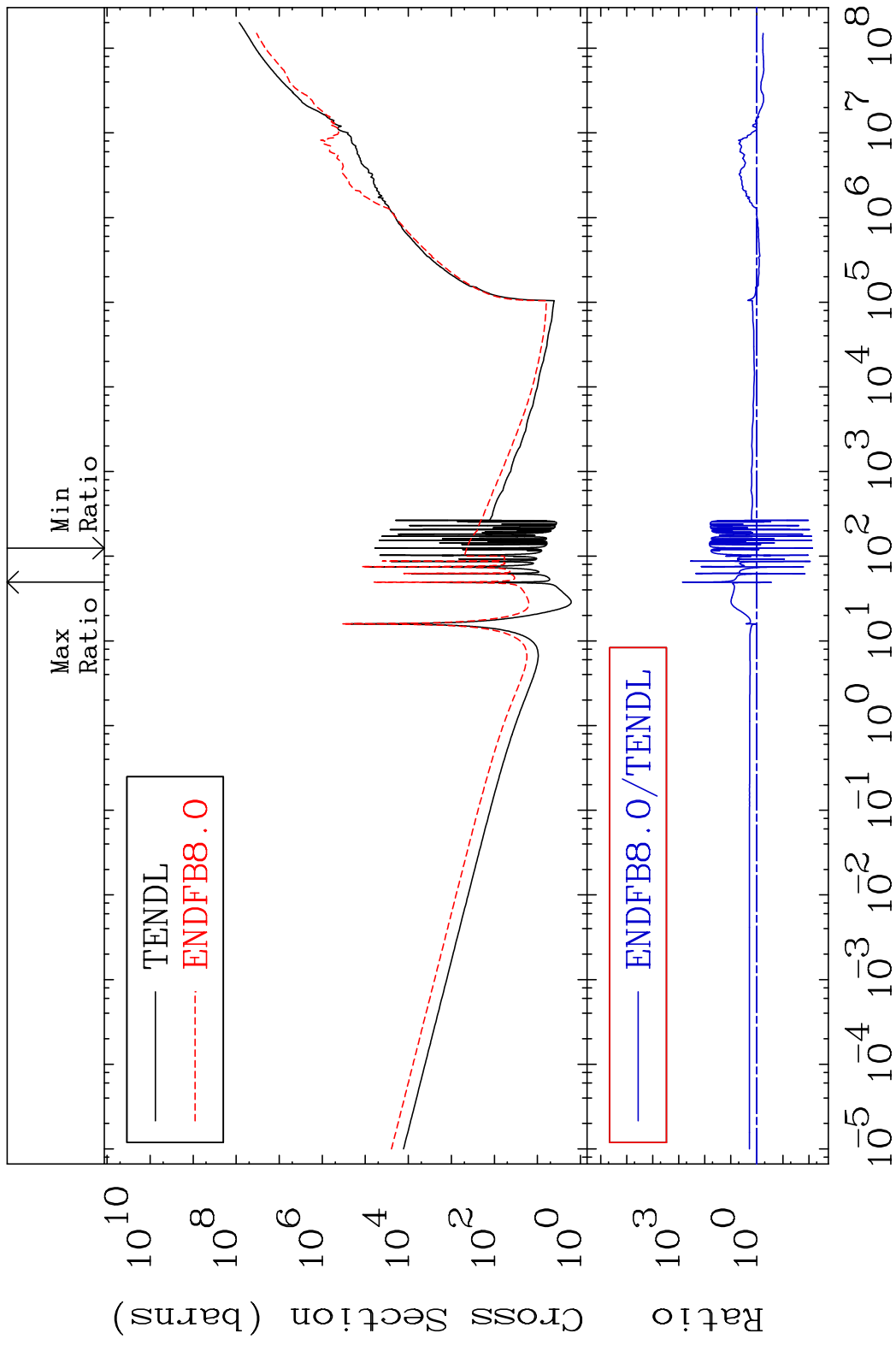


25

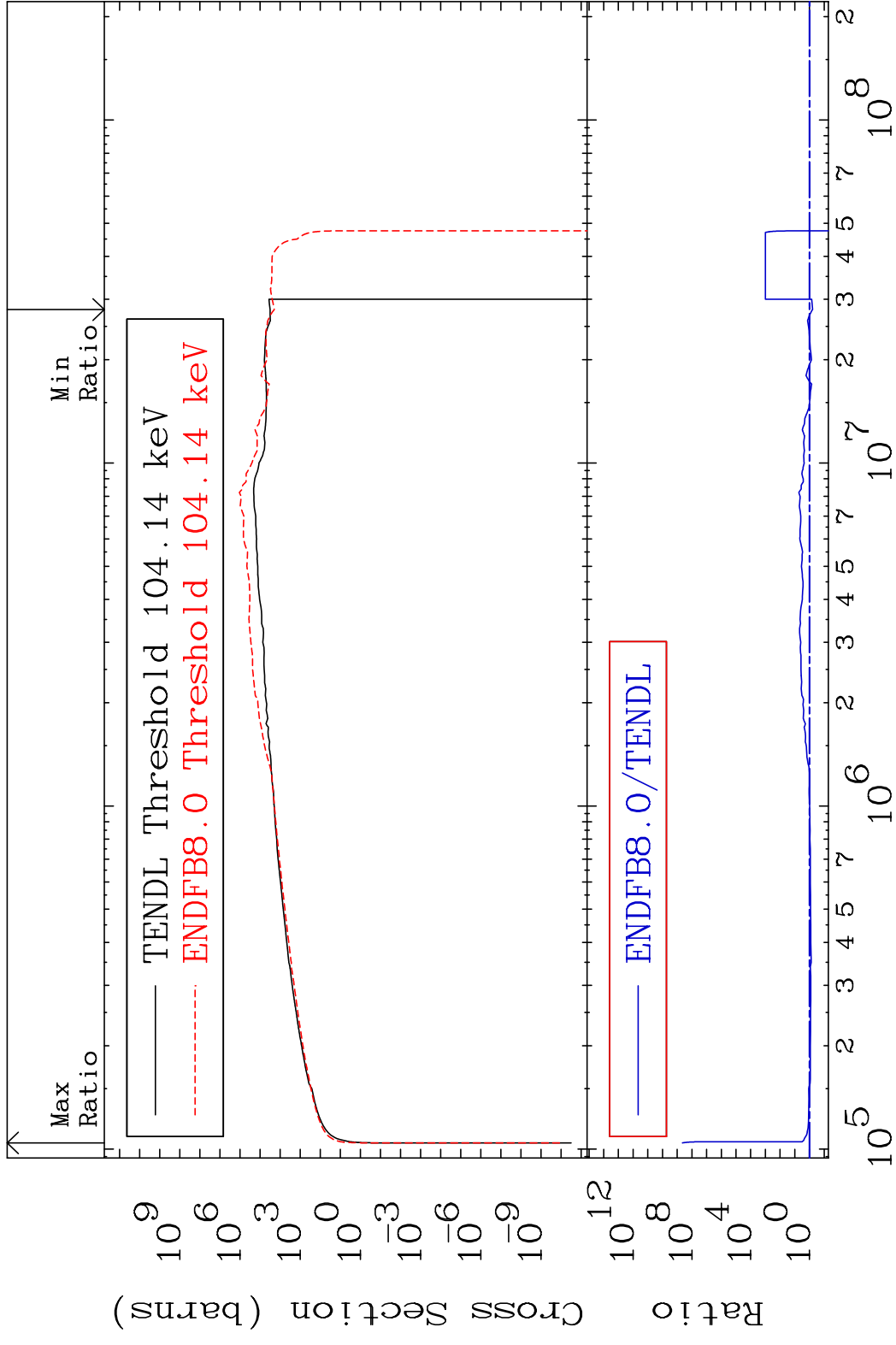
Incident Energy (eV)

74-W -180

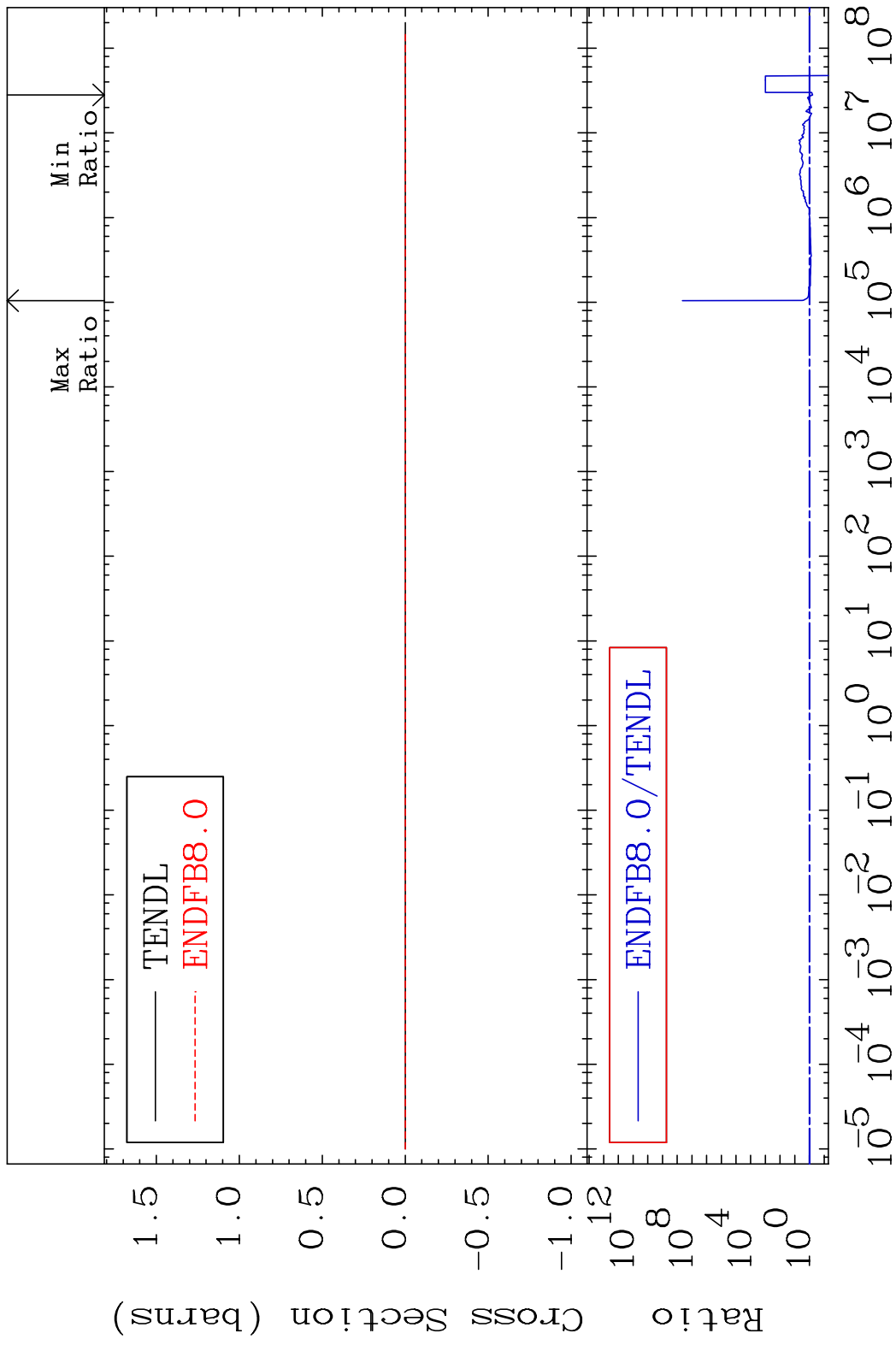
MAT 7425 Kerma non-elastic (all but mt2) 74-W -180  
 Cross Section -99.28 To 9999. %



MAT 7425 Kerma inelastic (mt51-91) 74-W -180  
 Cross Section -38.58 To 9999. %

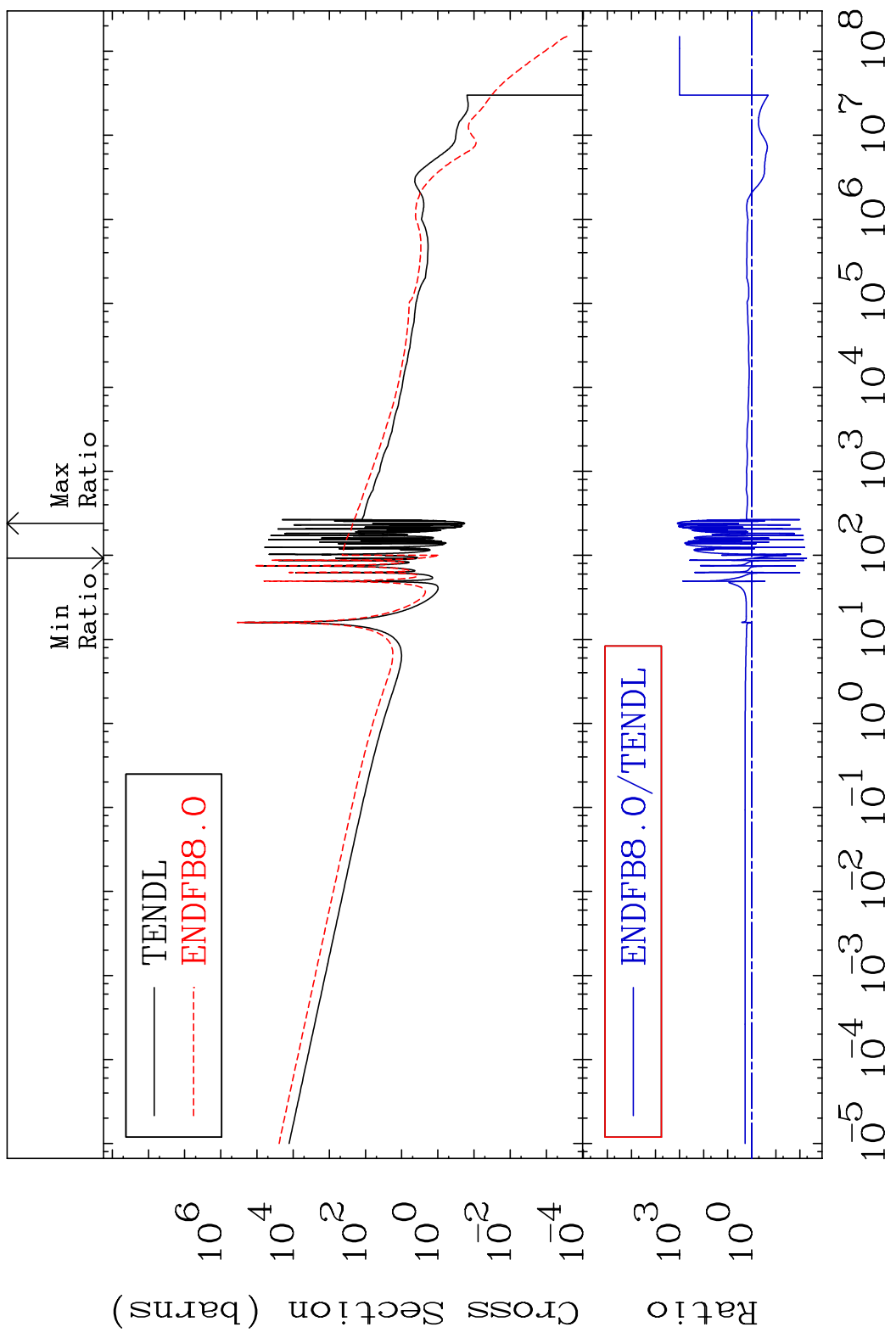


MAT 7425 Kerma fission (mt18 or mt19-20-21-38)74-W -180  
 Cross Section -38.58 To 9999. %

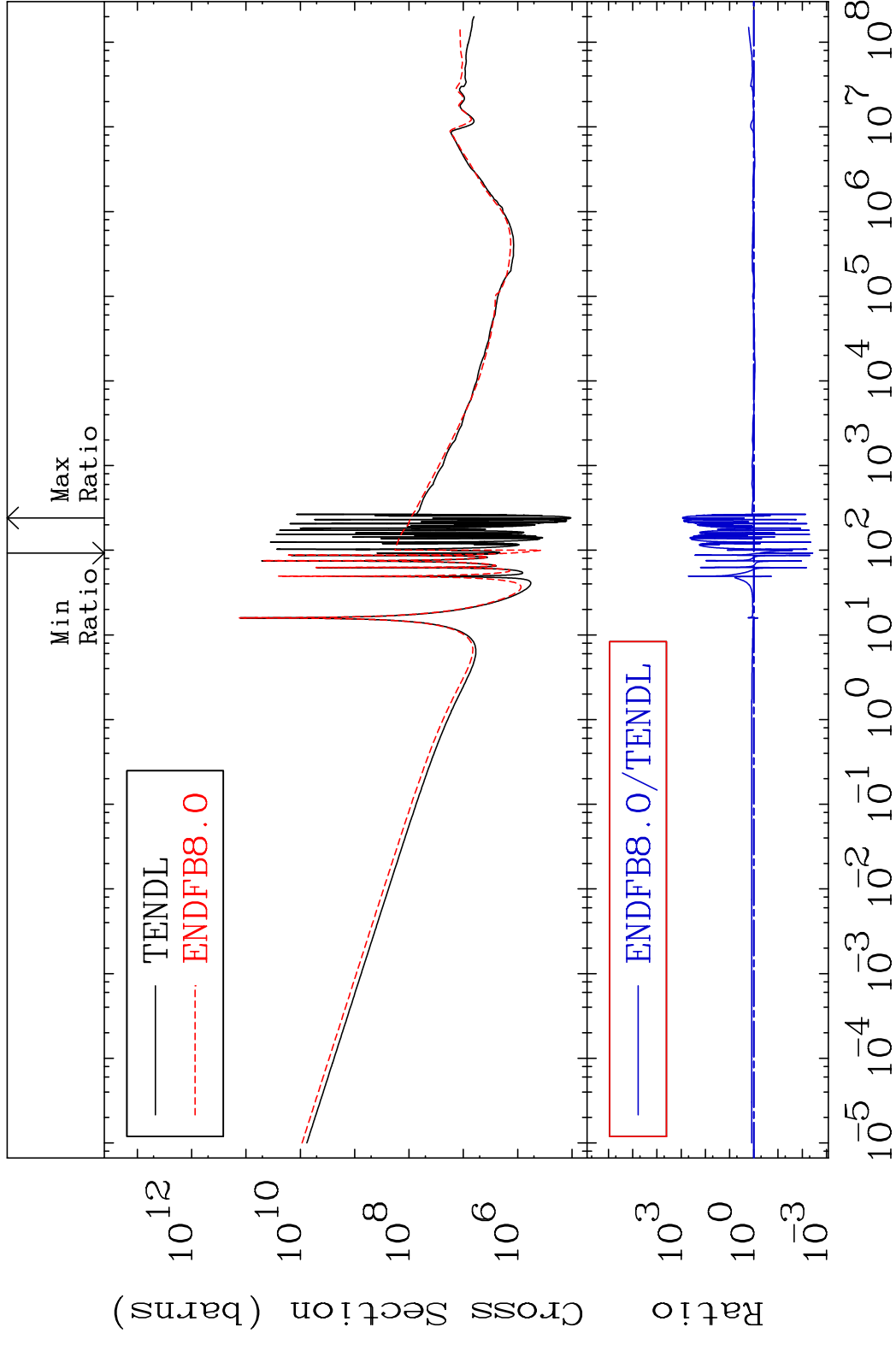


MAT 7425

Kerma capture (mt102) 74-W -180  
Cross Section -99.47 To 9999. %

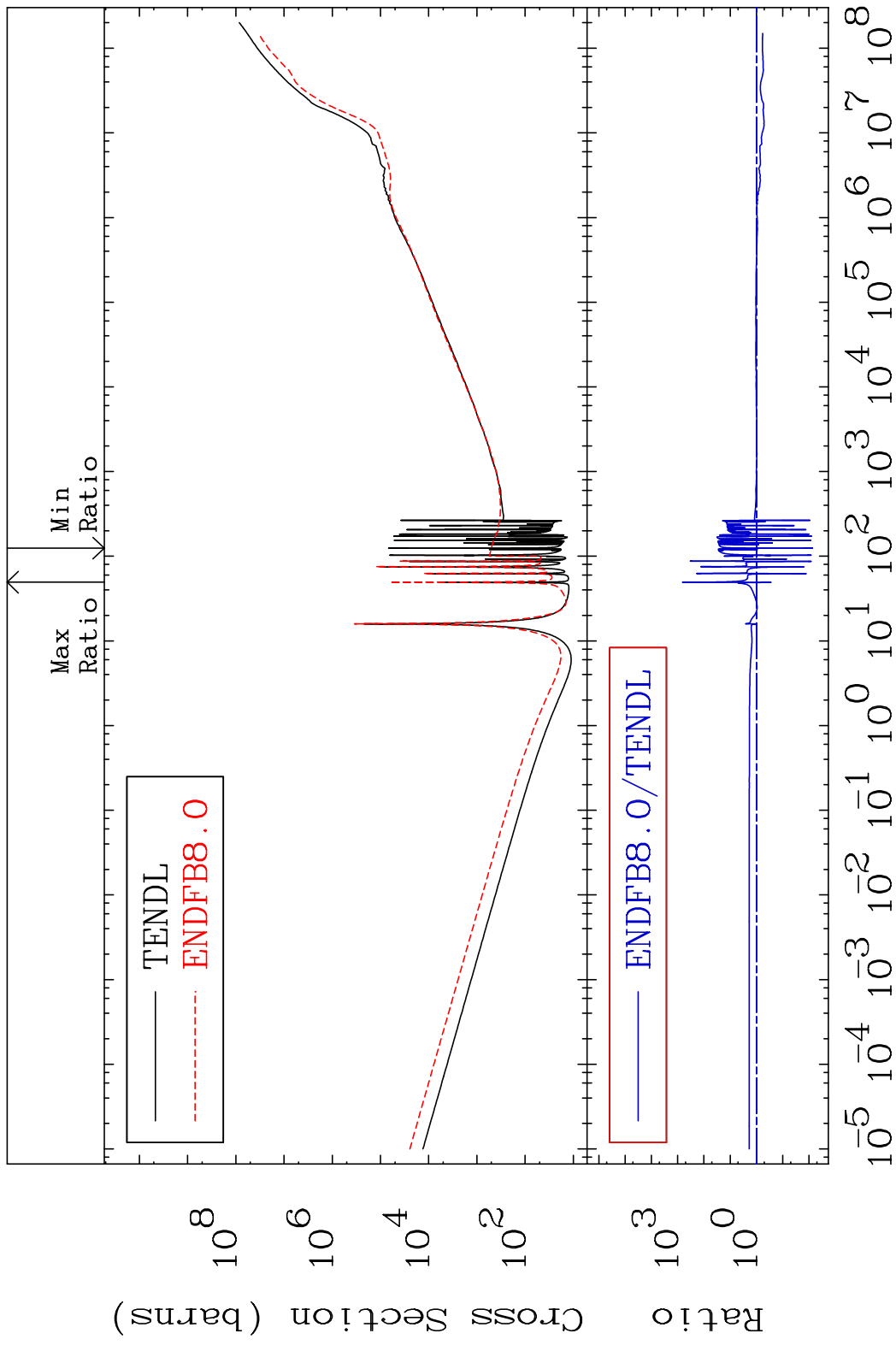


MAT 7425 Total photon (eV-barns) 74-W -180  
 Cross Section -99.62 To 9999. %

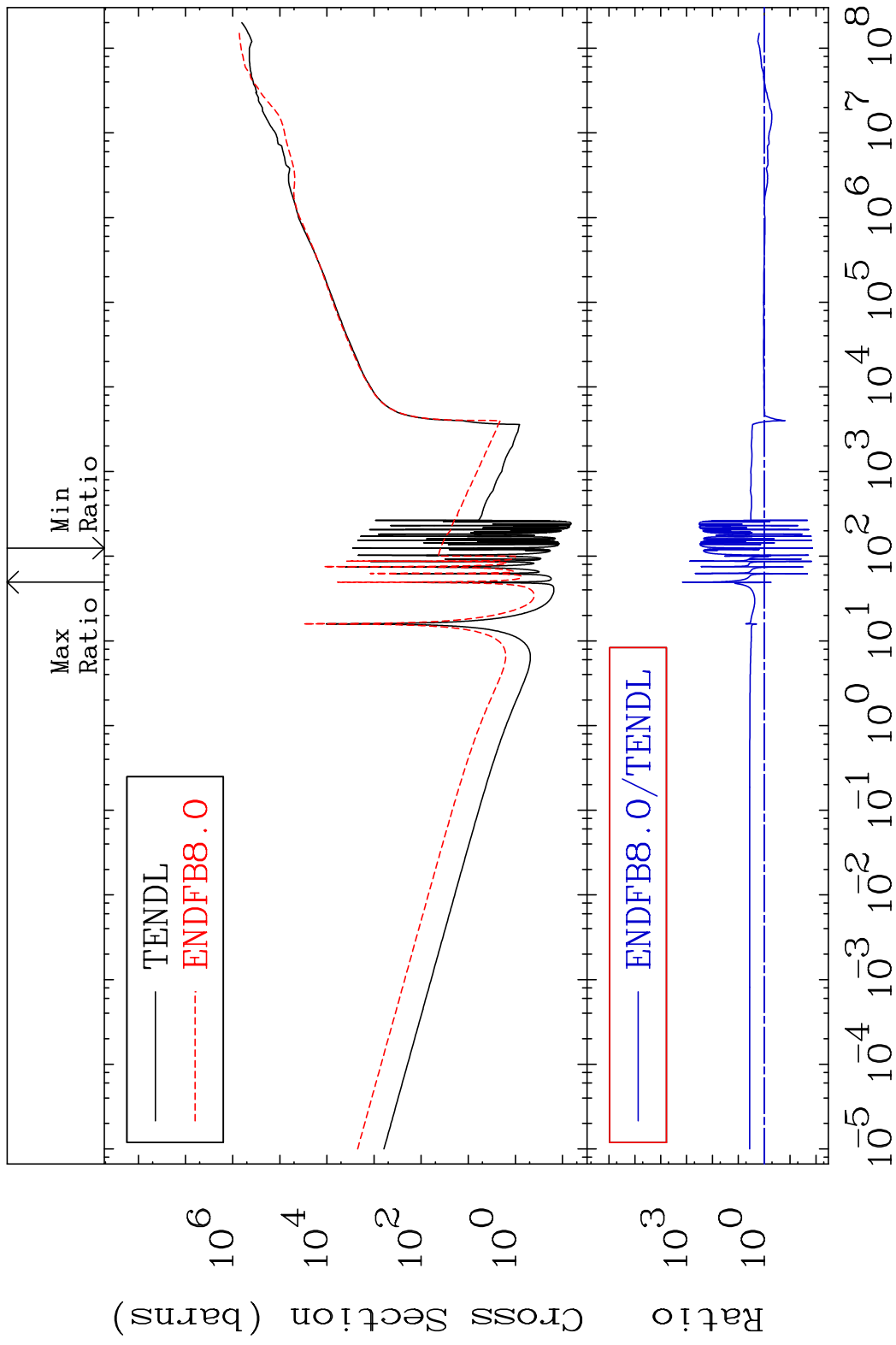


30 Incident Energy (eV) 74-W -180

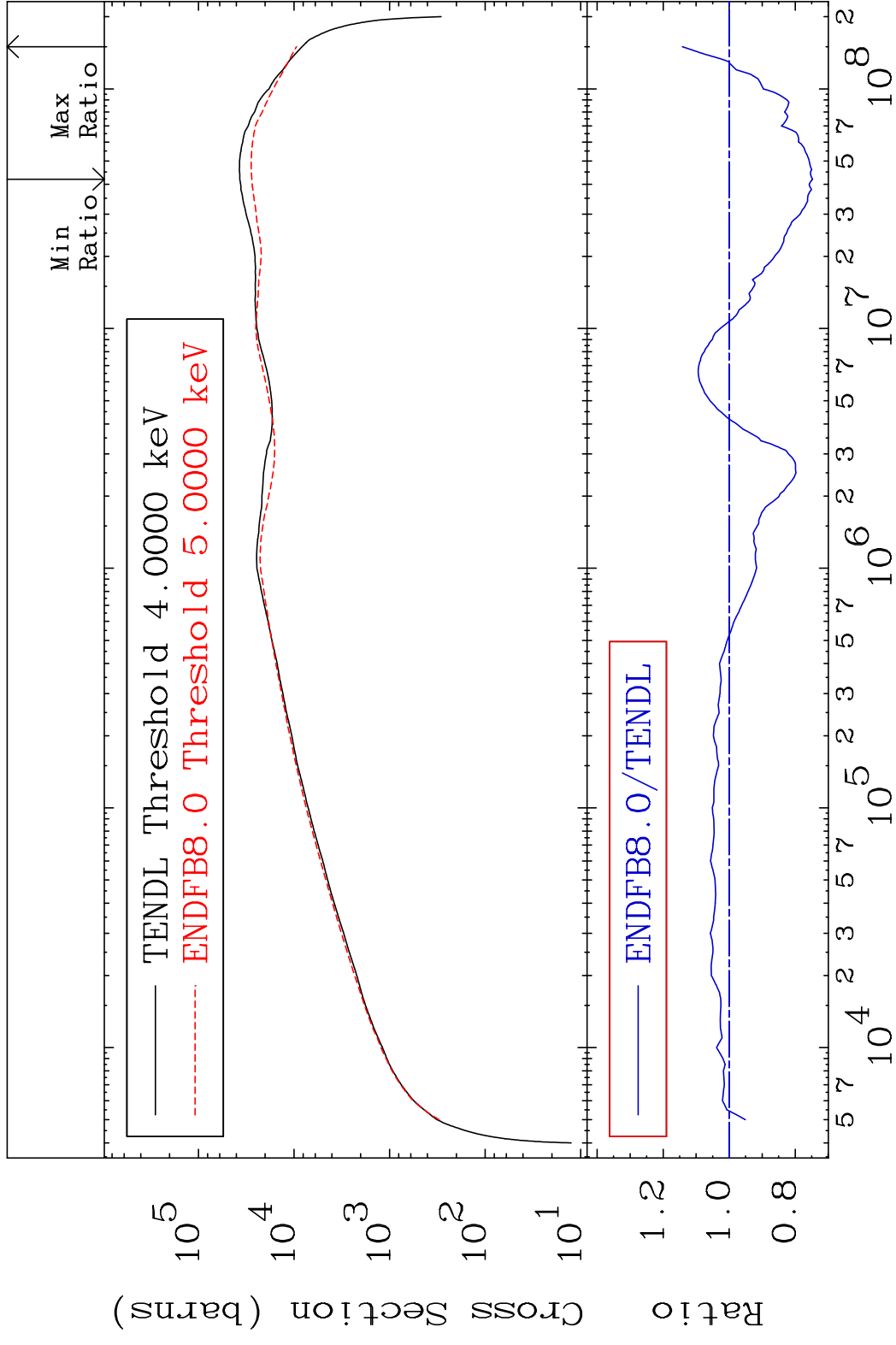
MAT 7425 Total kinematic kerma (high limit) 74-W -180  
 Cross Section -99.27 To 9999. %



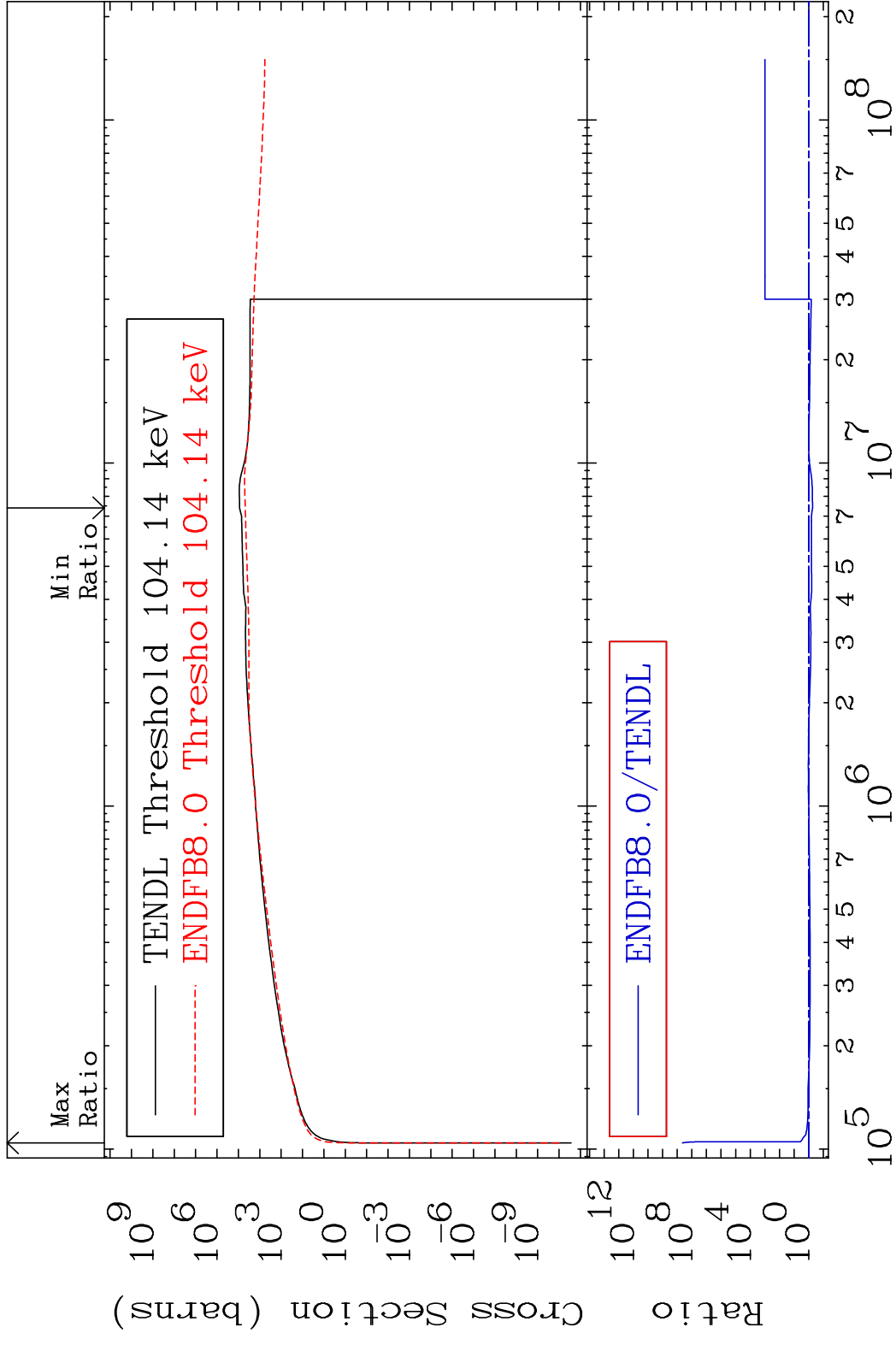
MAT 7425      Dpa total (eV-barns)      74-W -180  
 Cross Section      -98.65 To 9999. %



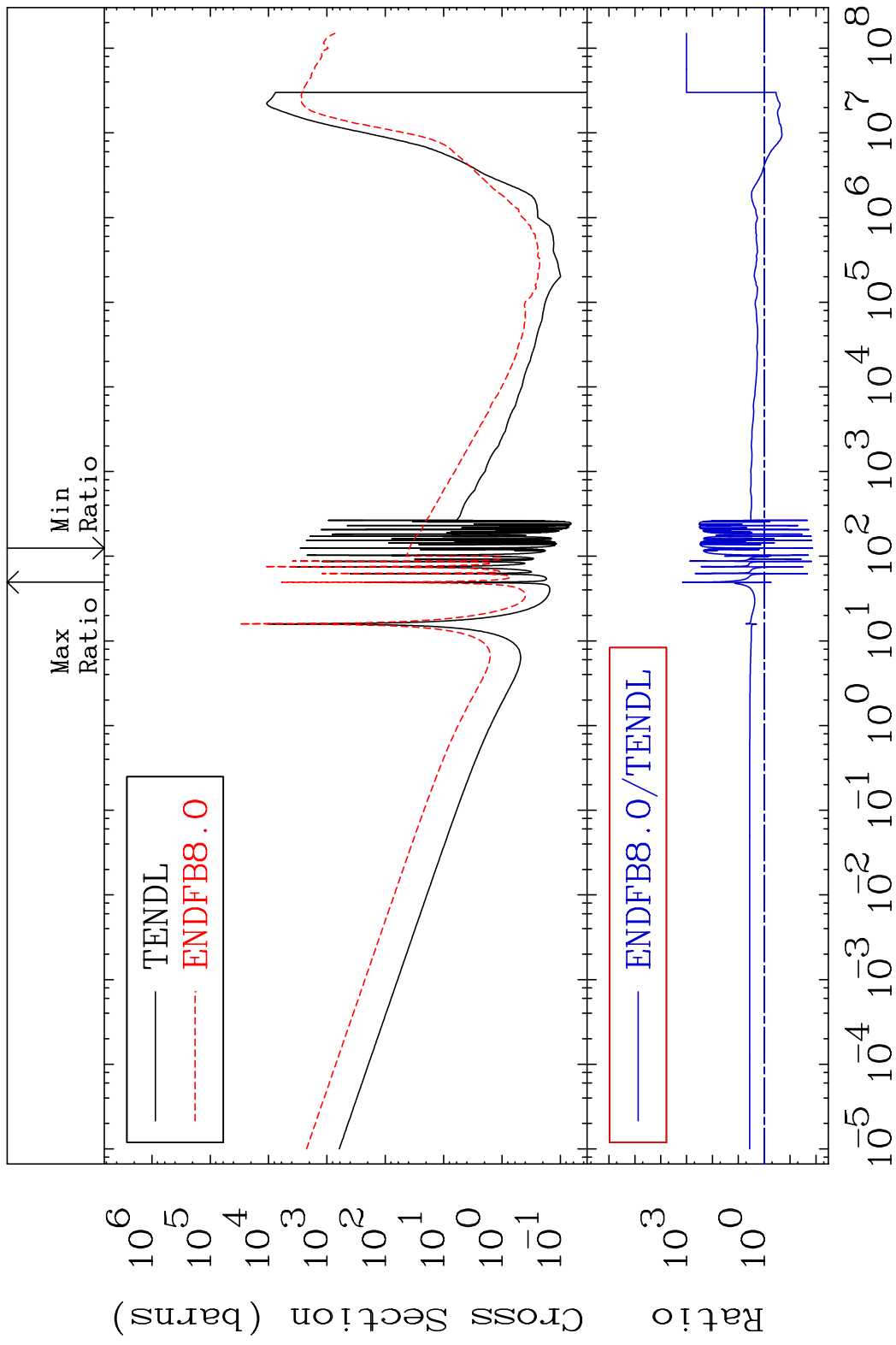
MAT 7425      Dpa elastic (mt2)      74-W -180  
 Cross Section      -25.26 To 14.18 %



MAT 7425 Dpa inelastic (mt51-91) 74-W -180  
 Cross Section -45.84 To 9999. %

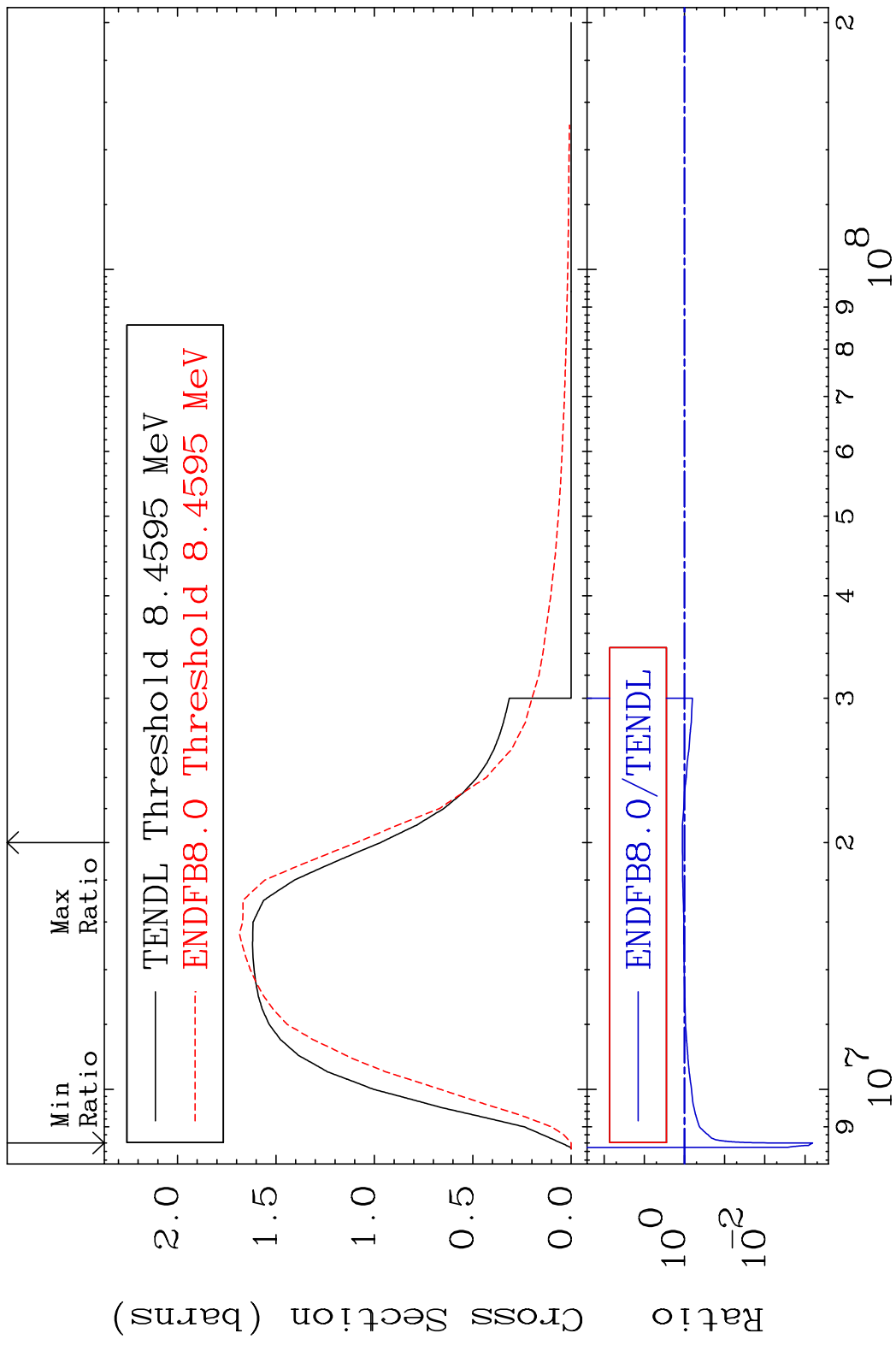


MAT 7425 Dpa disappearance (mt102 -120) 74-W -180  
 Cross Section -98.65 To 9999. %

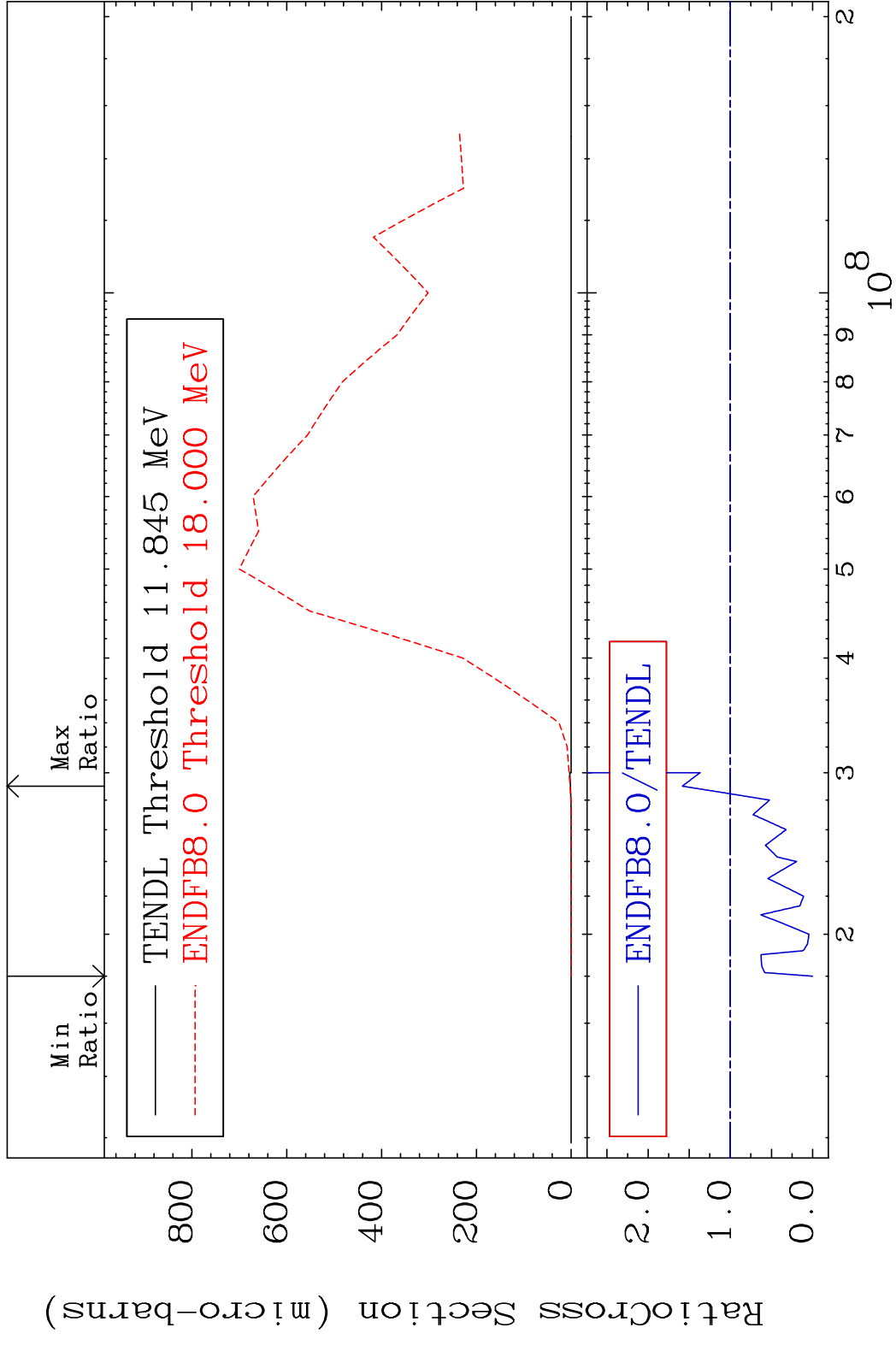


35 Incident Energy (eV) 74-W -180

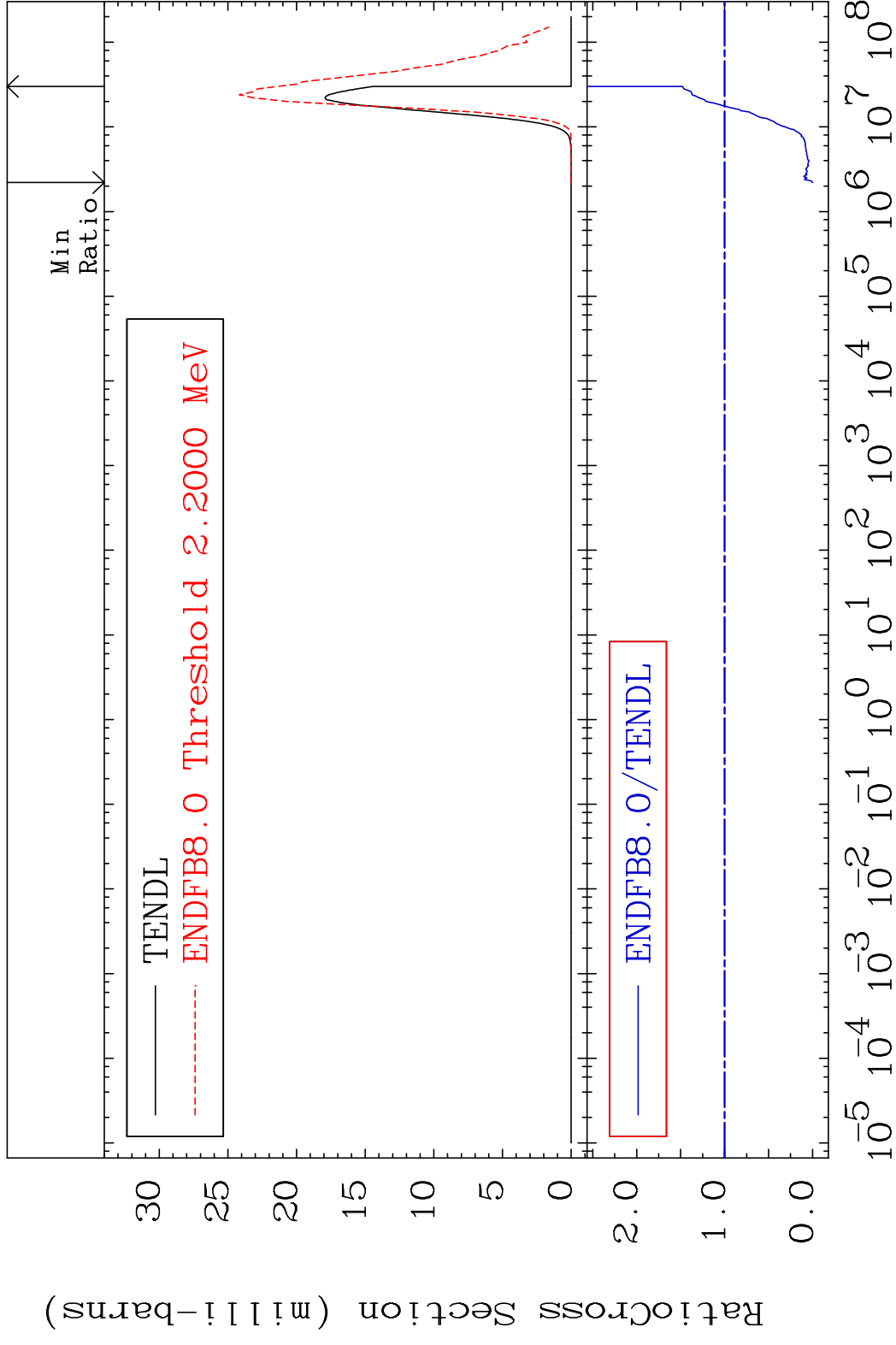
MAT 7425 (n,2n):74-W -179g 74-W -180  
 Radionuclide Production Cross Section 98.94 dth 12.68 %



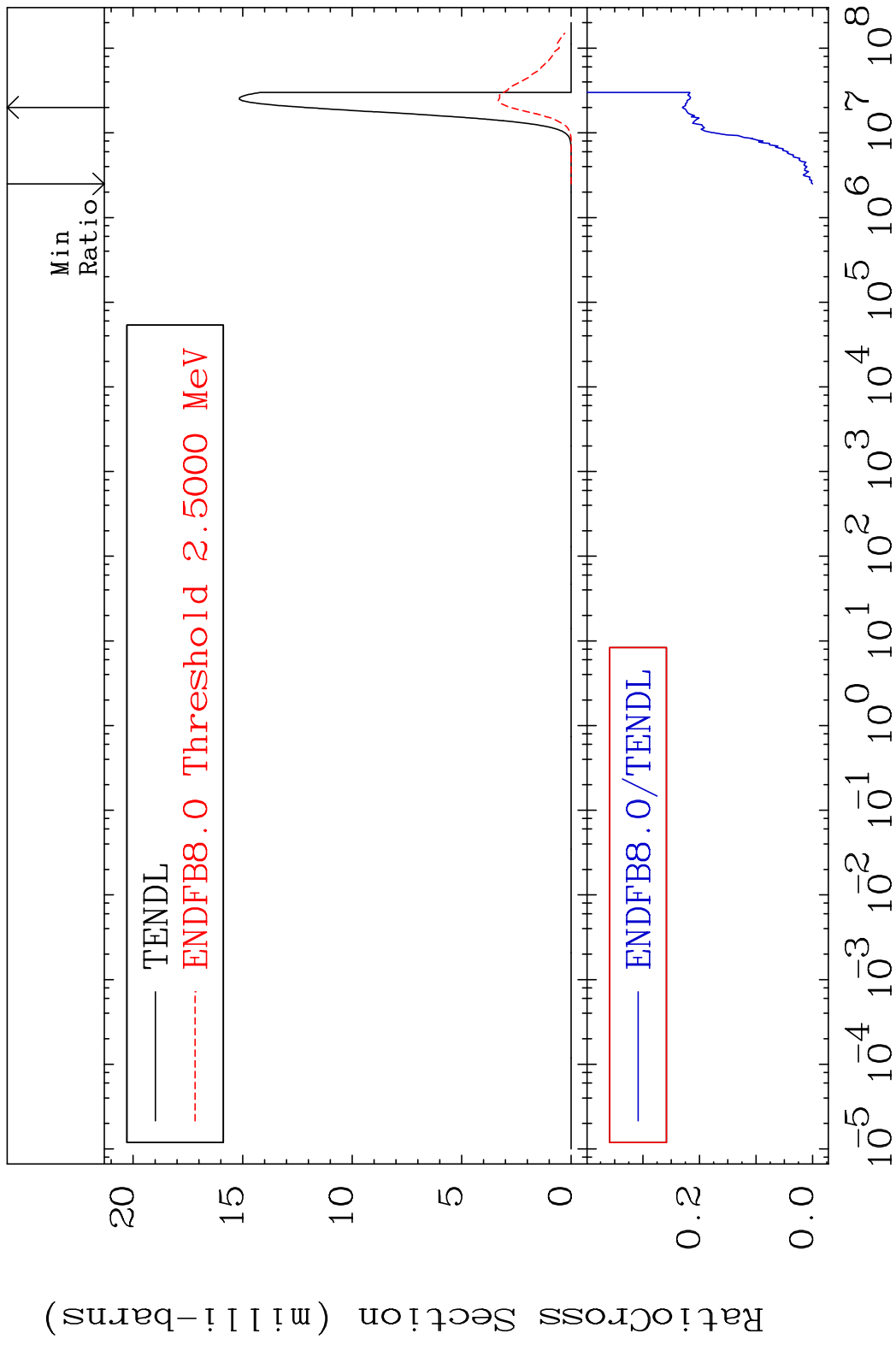
MAT 7425 (n,2n) p:72-Hf-178g 74-W -180  
 Radionuclide Production Cross Section 180.01 dth 58.35 %



MAT 7425 (n,p):73-Ta-180g 74-W -180  
 Radionuclide Production Cross Section 180.0 mb to 48.06 %

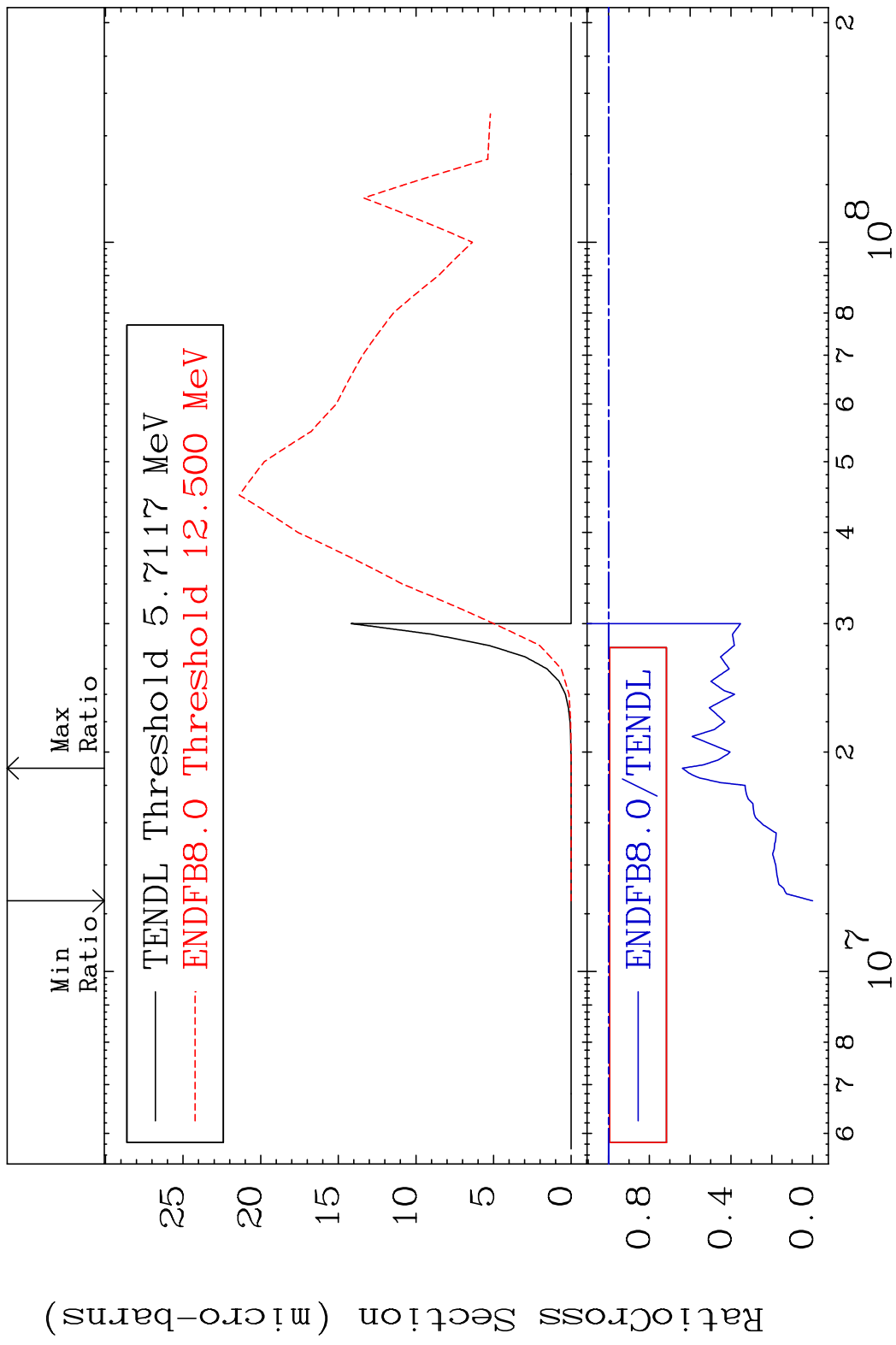


MAT 7425 (n, p): 73-Ta-180m2 74-W -180  
 Radionuclide Production Cross Section Ratio -76.96%

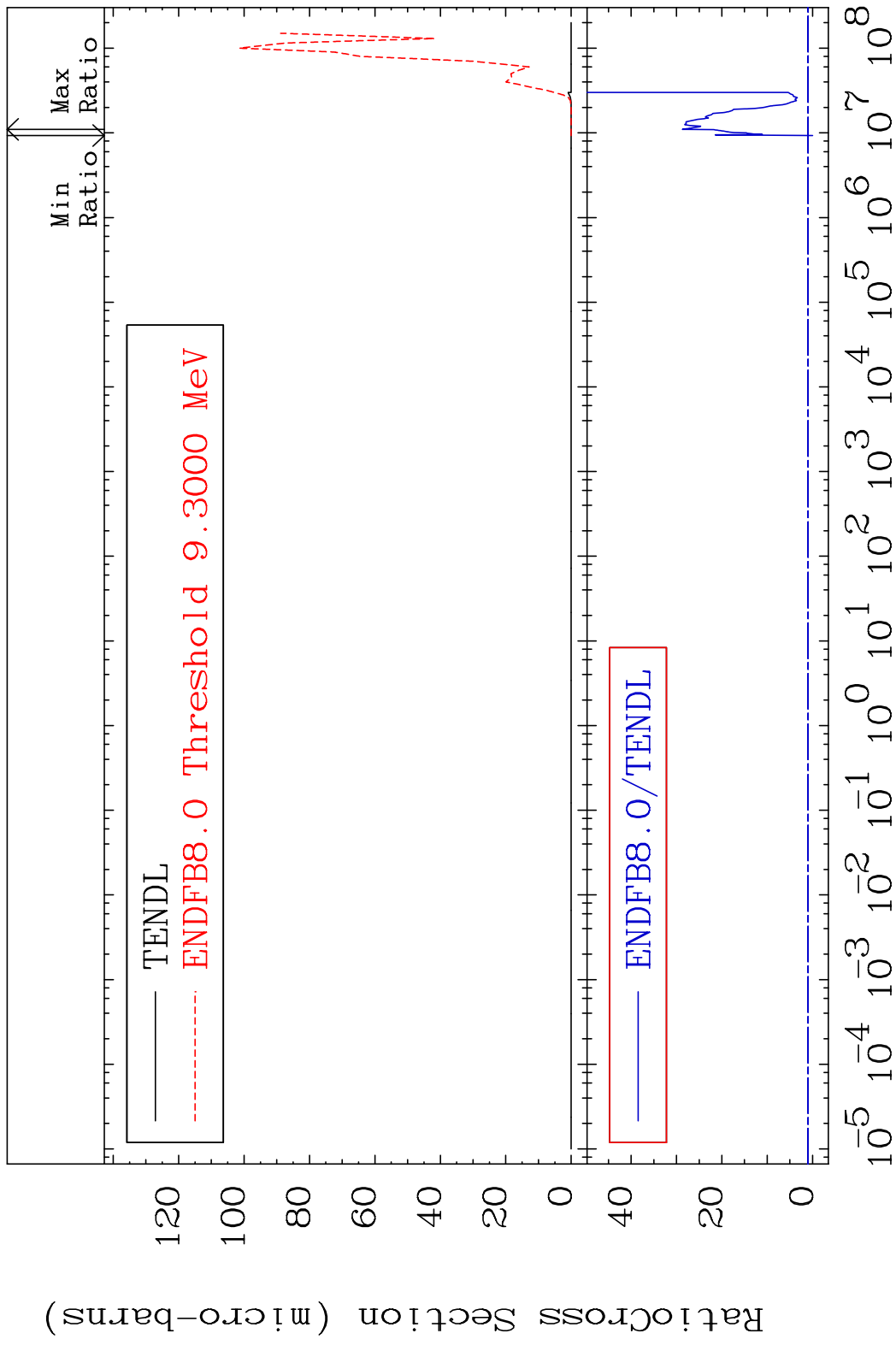


39 Incident Energy (eV) 74-W -180

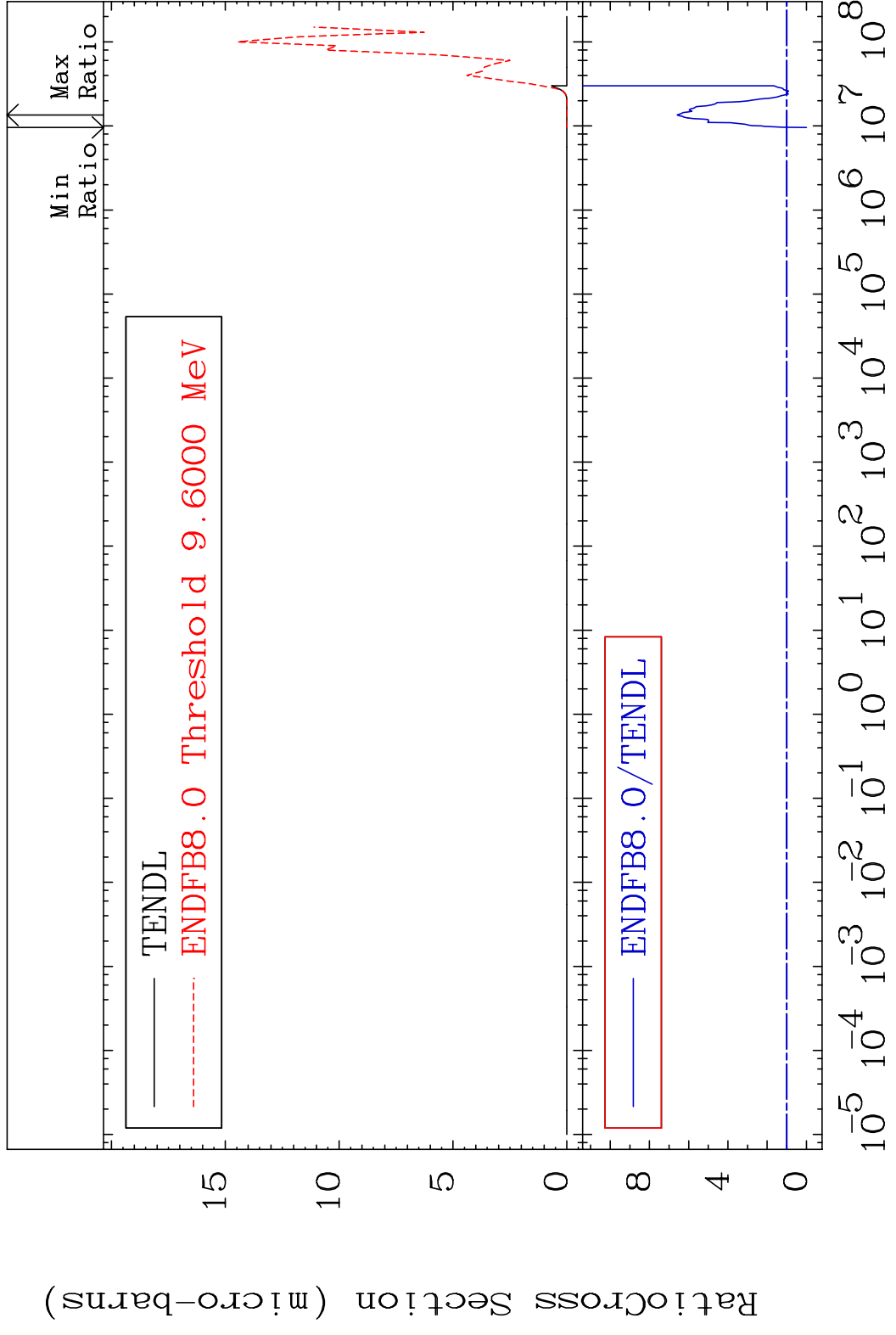
MAT 7425 (n,2p):72-Hf-179g 74-W -180  
 Radionuclide Production Cross Section Ratio -36.16%



40 Incident Energy (eV) 74-W -180



MAT 7425 (n,p)  $\alpha$ :71-Lu-176m1 74-W -180  
 Radionuclide Production Cross Section Ratio 558.8 %



42 Incident Energy (eV) 74-W -180