

Program Complot  
(Version 2021-1)

by

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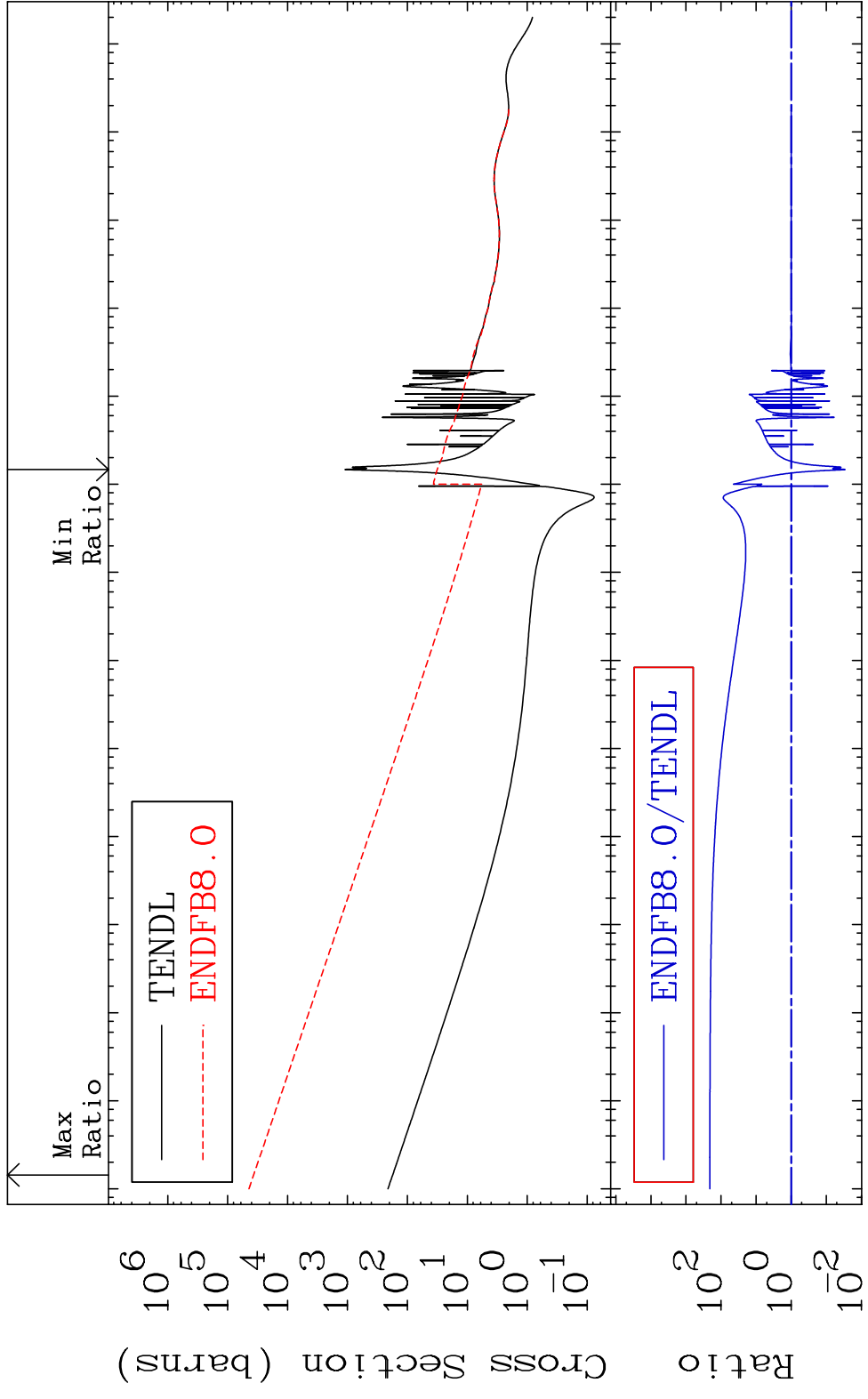
U.S.A.

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

Press Mouse Button to Start

MAT 2028 Total 20-Ca-41  
 Cross Section -97.12 To 9999. %



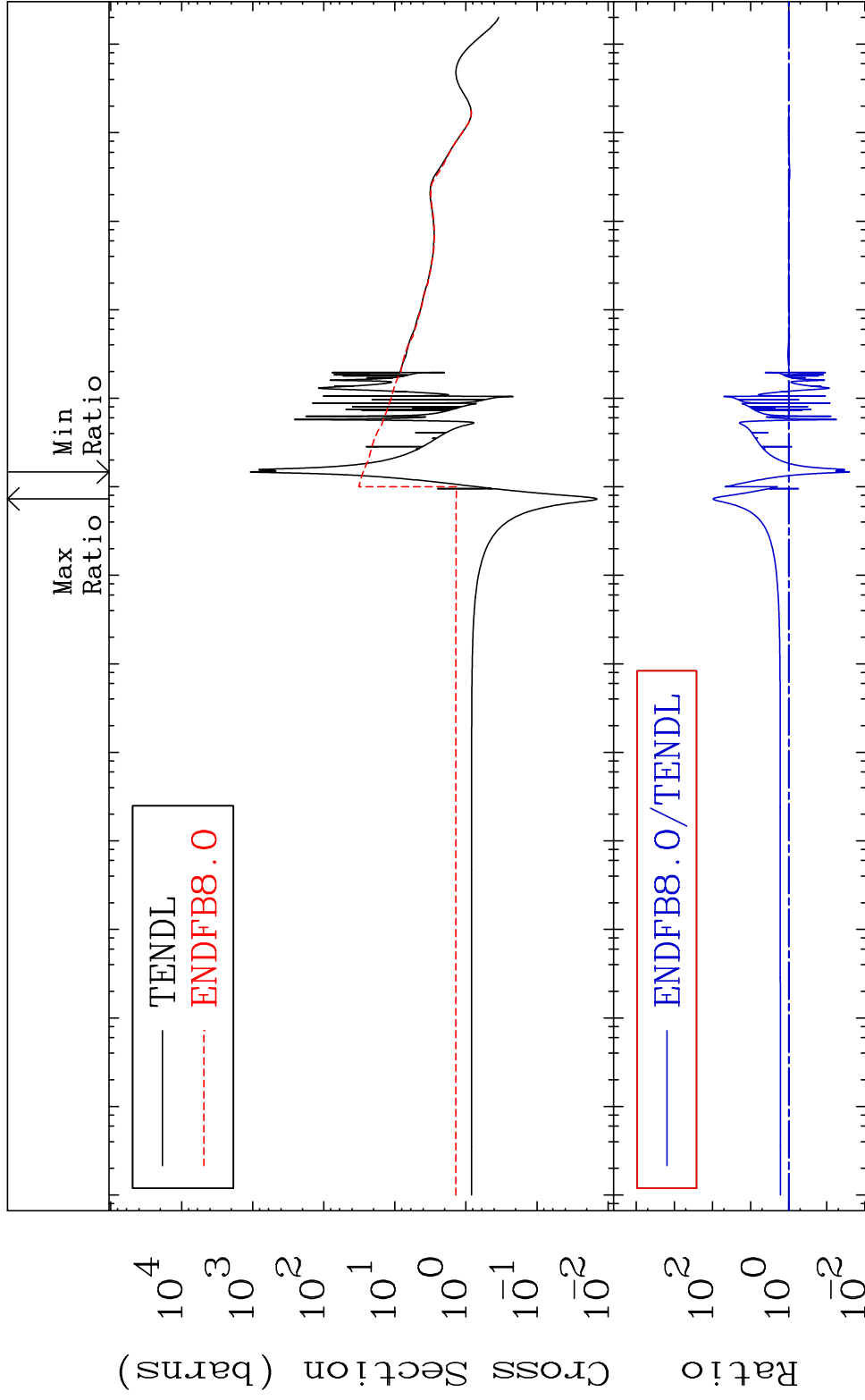
1 Incident Energy (eV) 20-Ca-41

MAT 2028

Elastic

20-Ca-41

Cross Section -97.43 To 9492. %

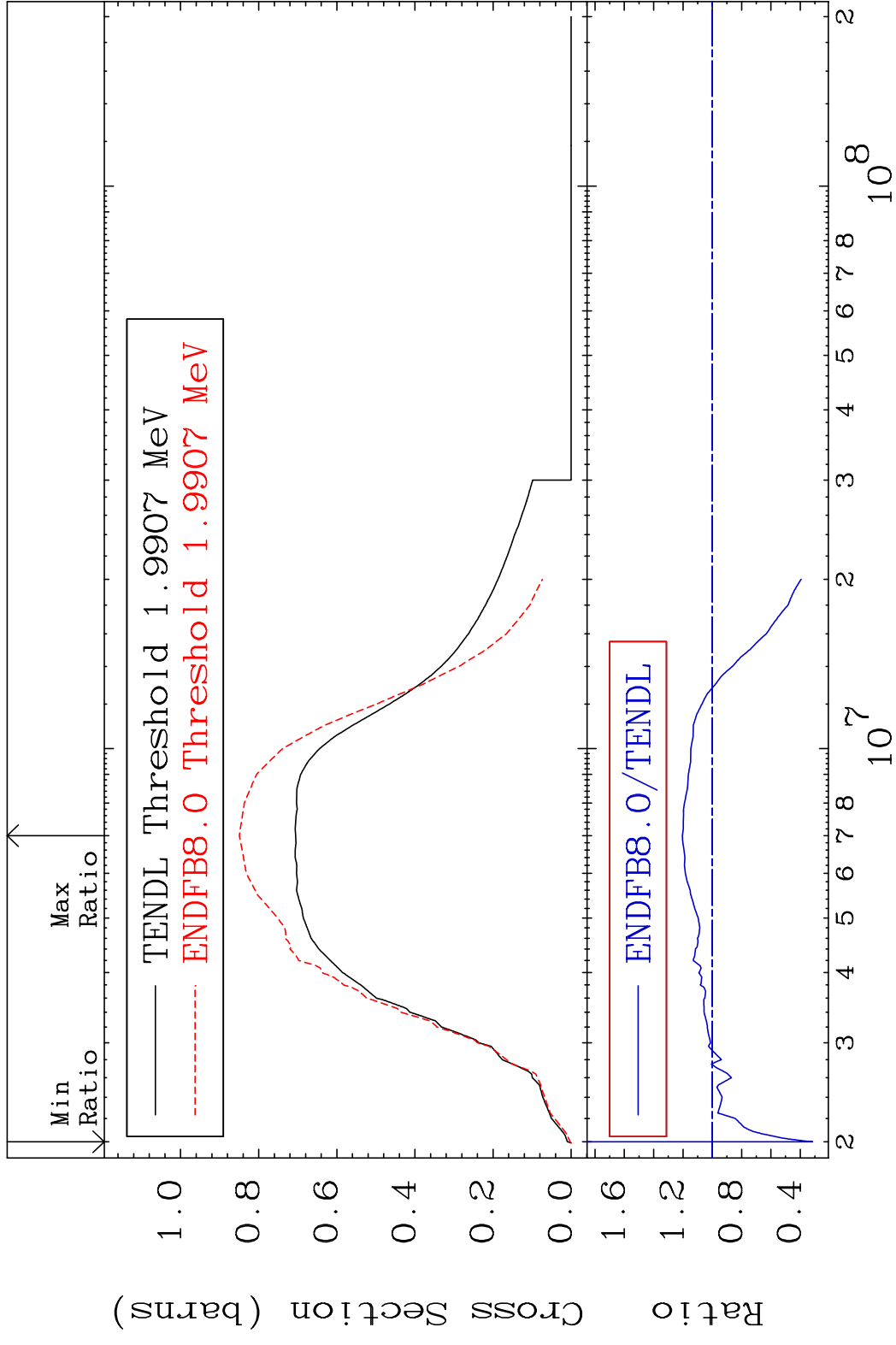


2

Incident Energy (eV)

20-Ca-41

MAT 2028 Inelastic 20-Ca-41  
 Cross Section -68.41 To 20.41 %



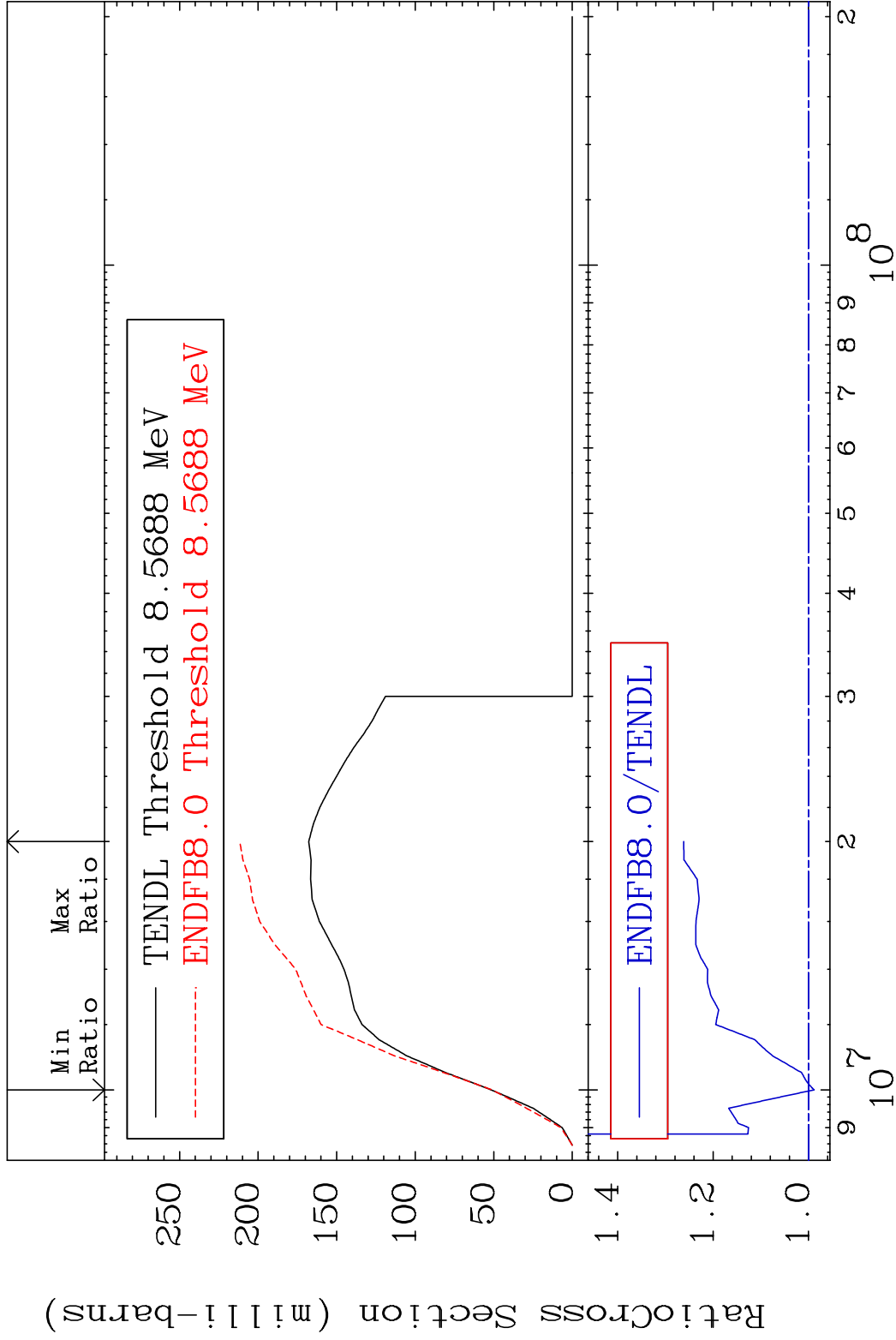
3 Incident Energy (eV) 20-Ca-41

MAT 2028

(n,2n)

20-Ca-41

Cross Section -1.181 To 26.17 %

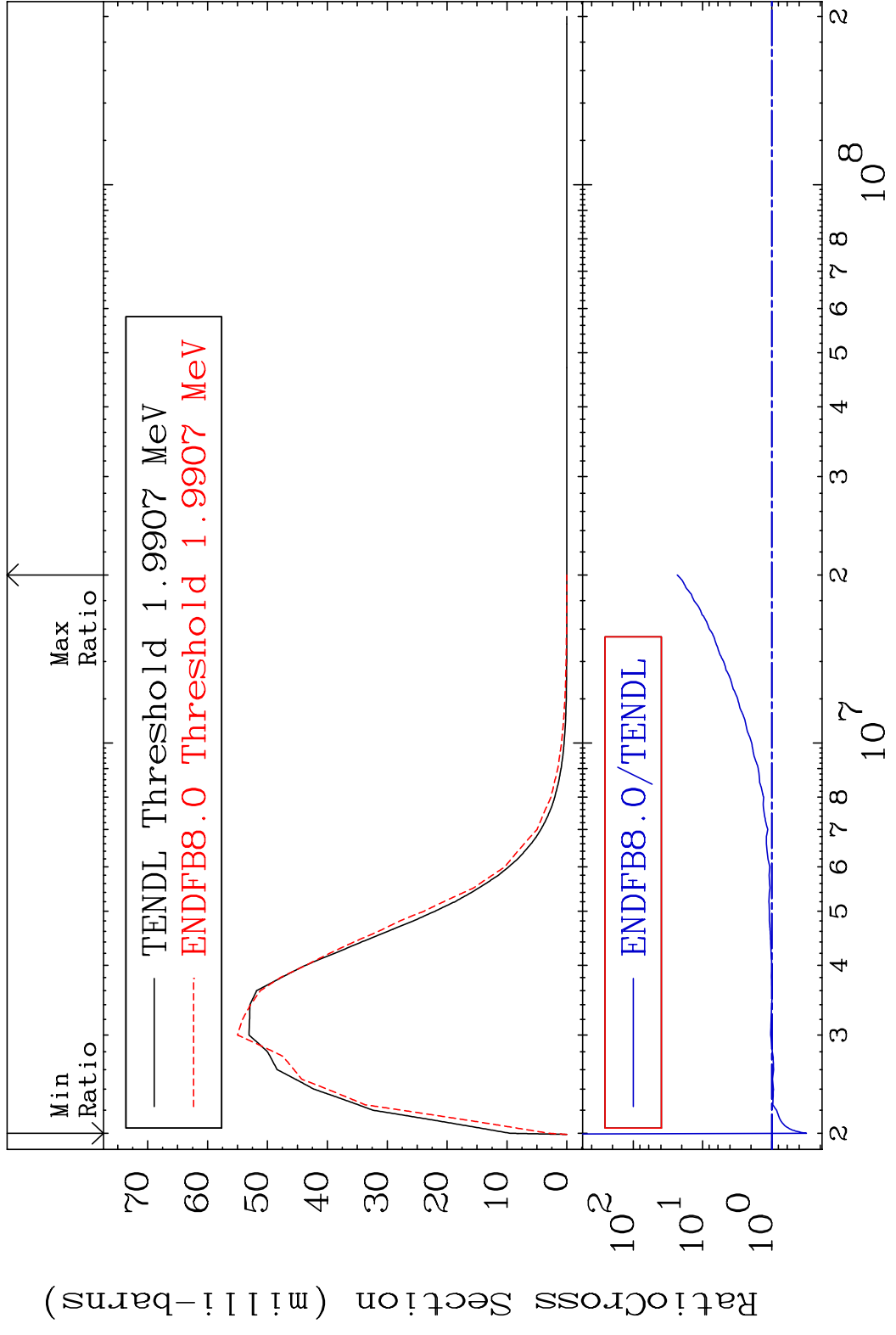


4

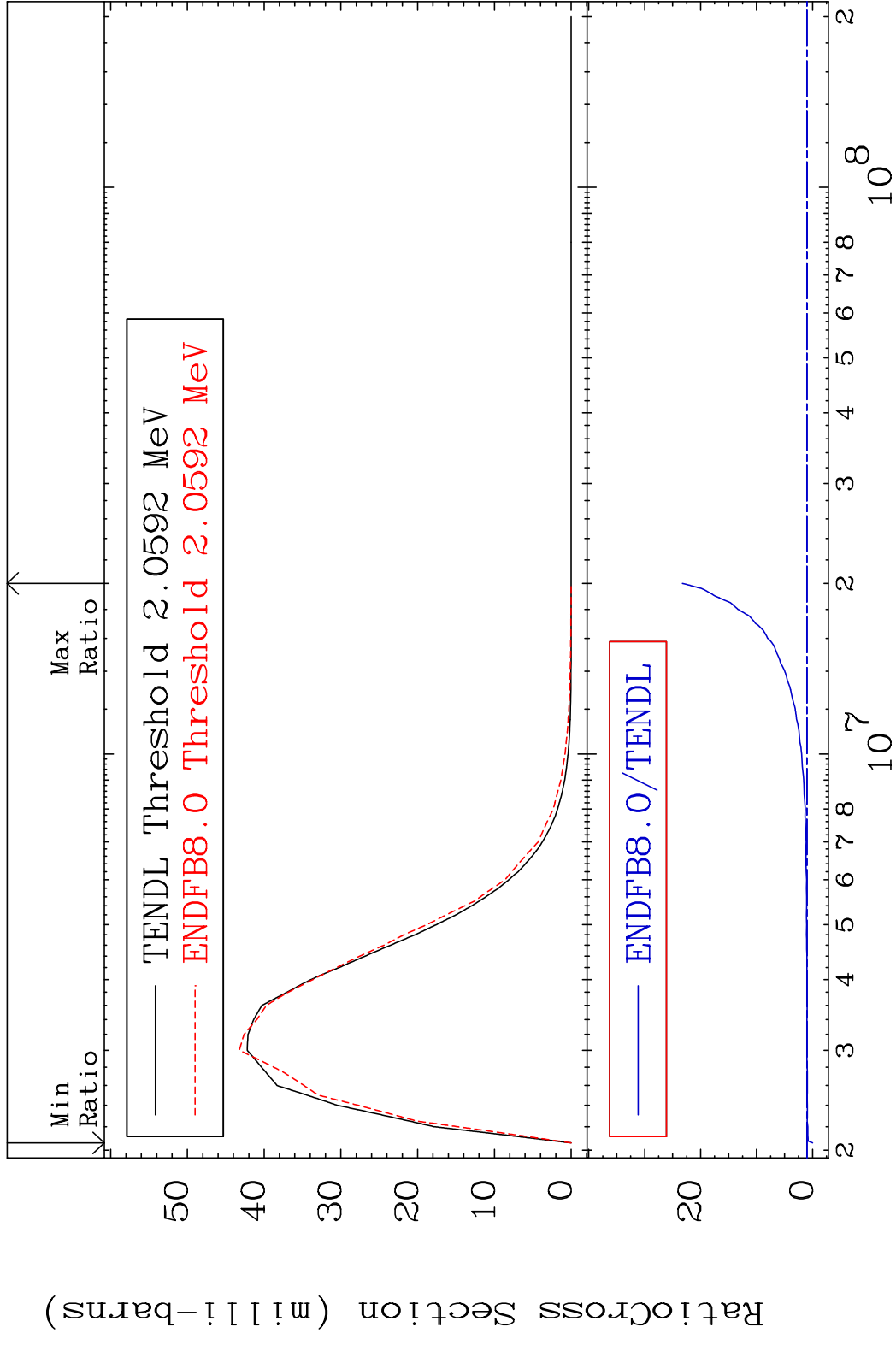
Incident Energy (eV)

20-Ca-41

MAT 2028 MT= 51 (n, n') Level 20-Ca-41  
 Cross Section -68.41 To 2221. %

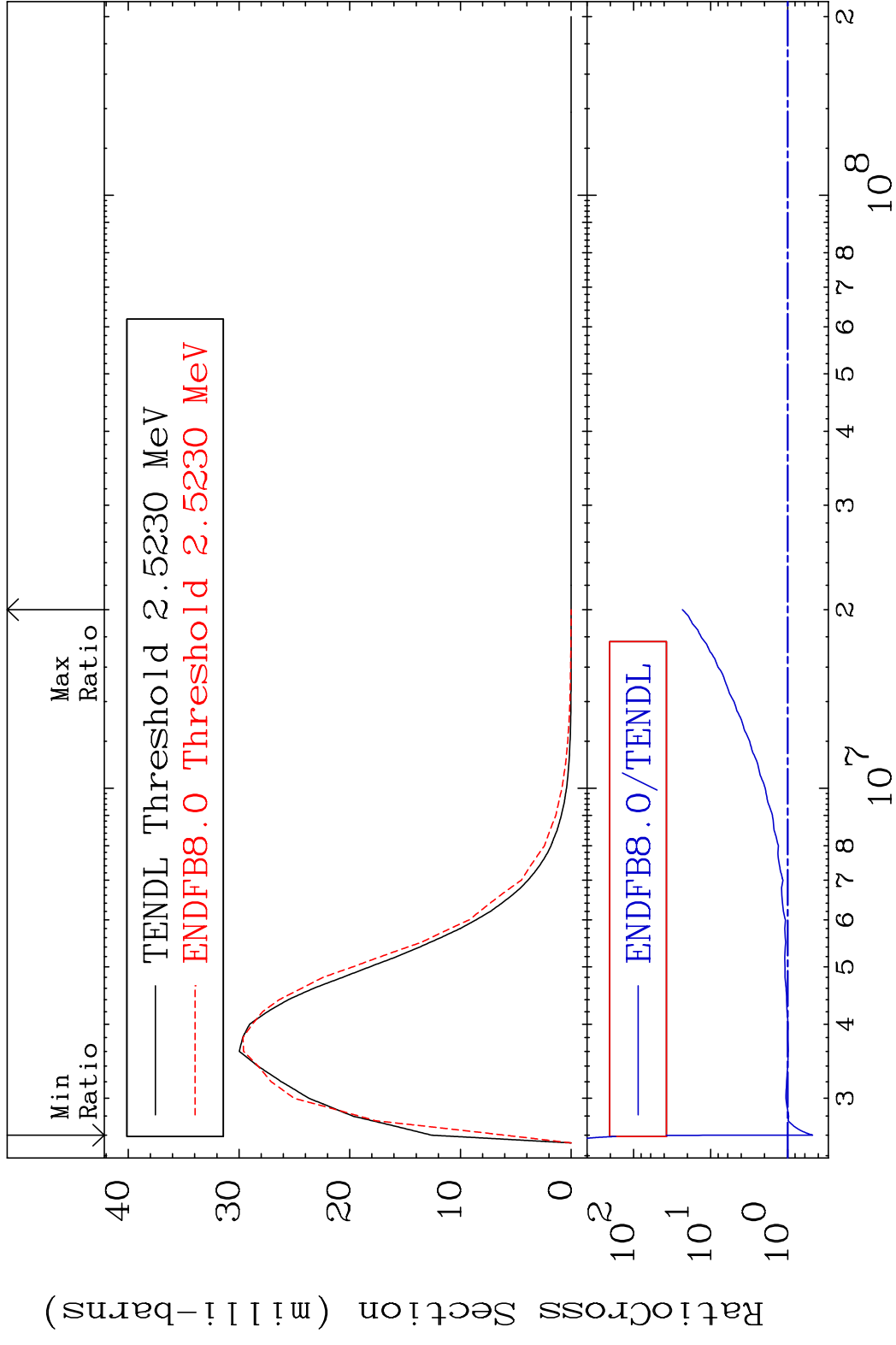


MAT 2028 MT= 52 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 2227. %



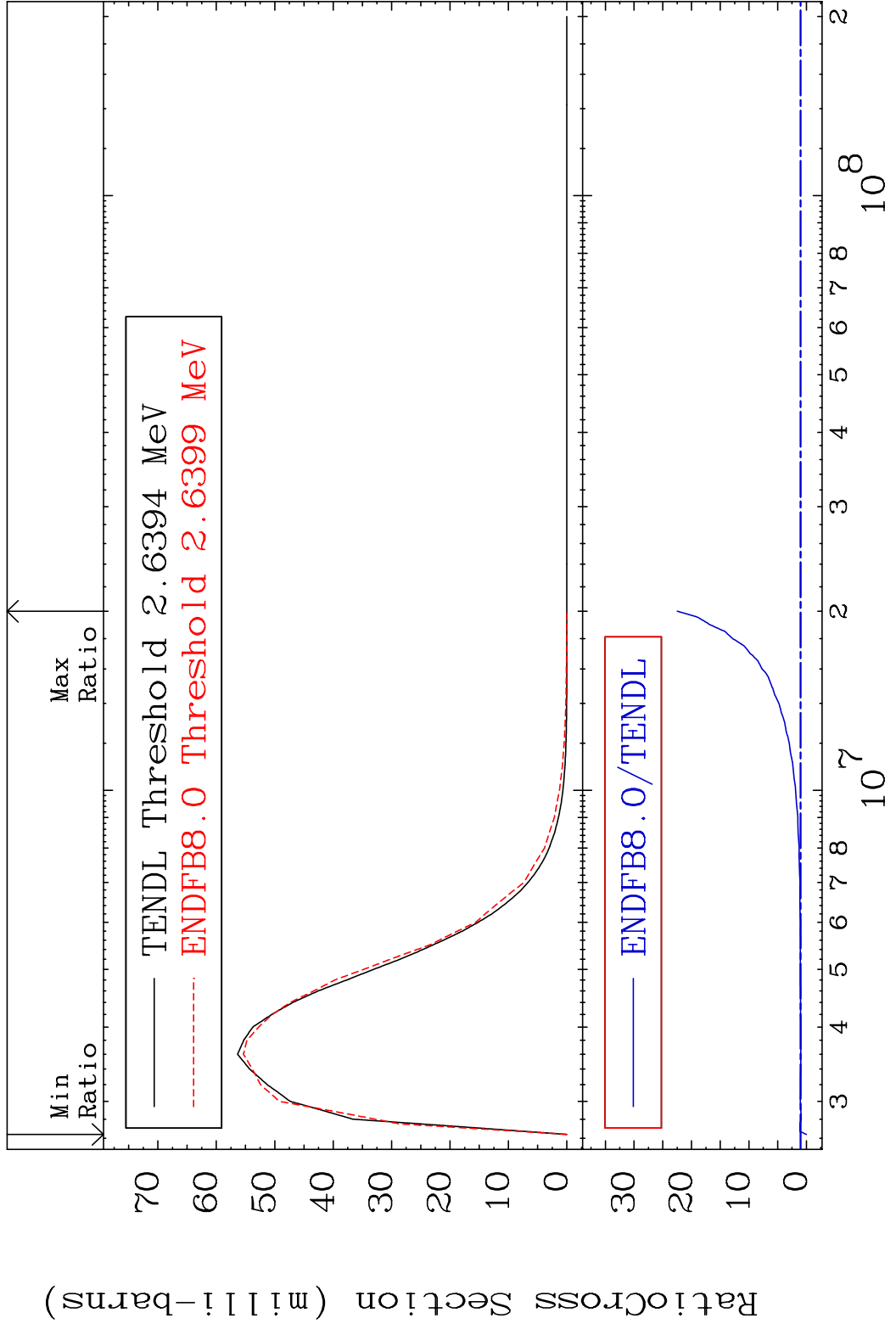
6 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 53 (n, n') Level 20-Ca-41  
 Cross Section -52.43 To 2227. %

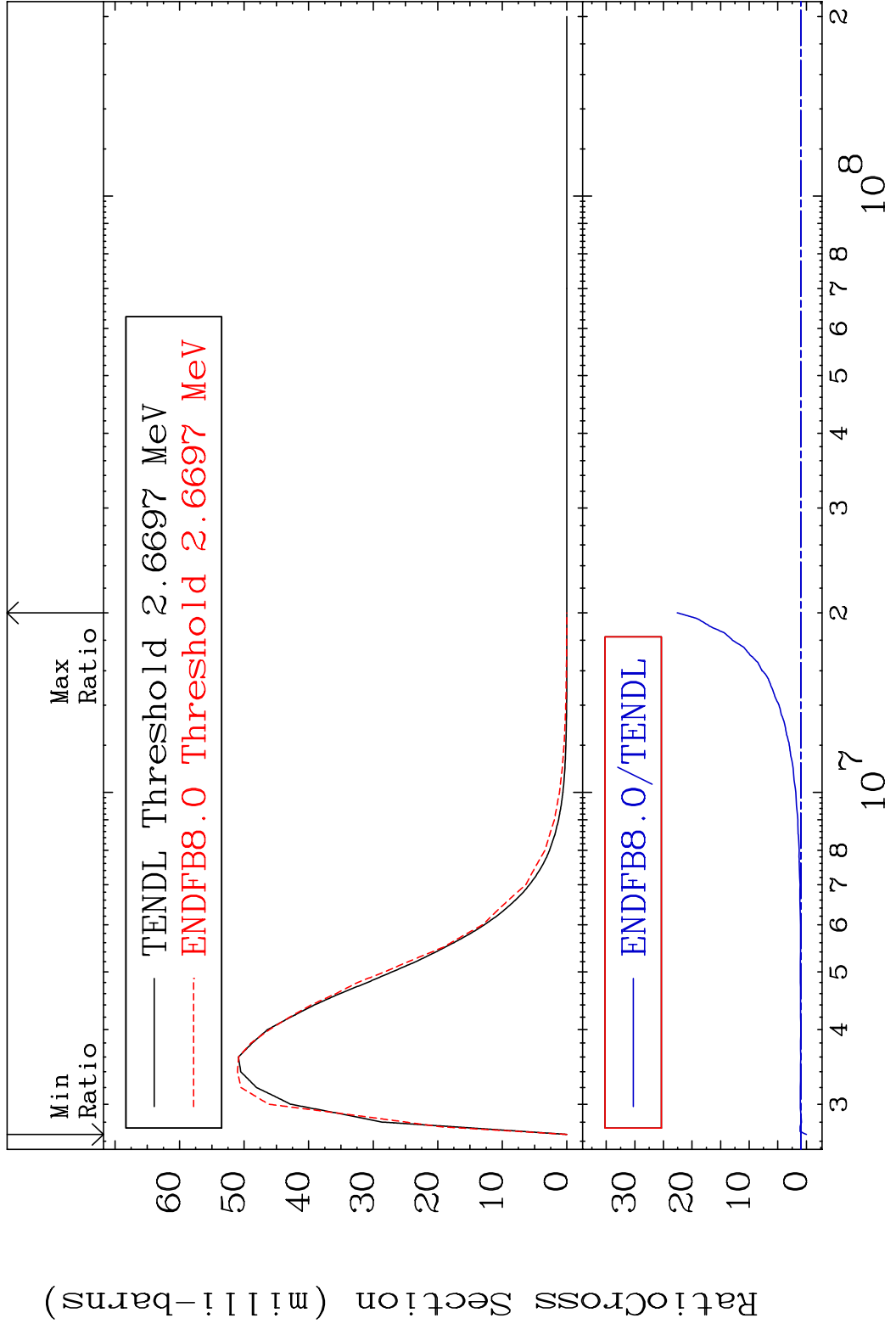


7 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 54 (n,n') Level 20-Ca-41  
 Cross Section -100.0 To 2150. %

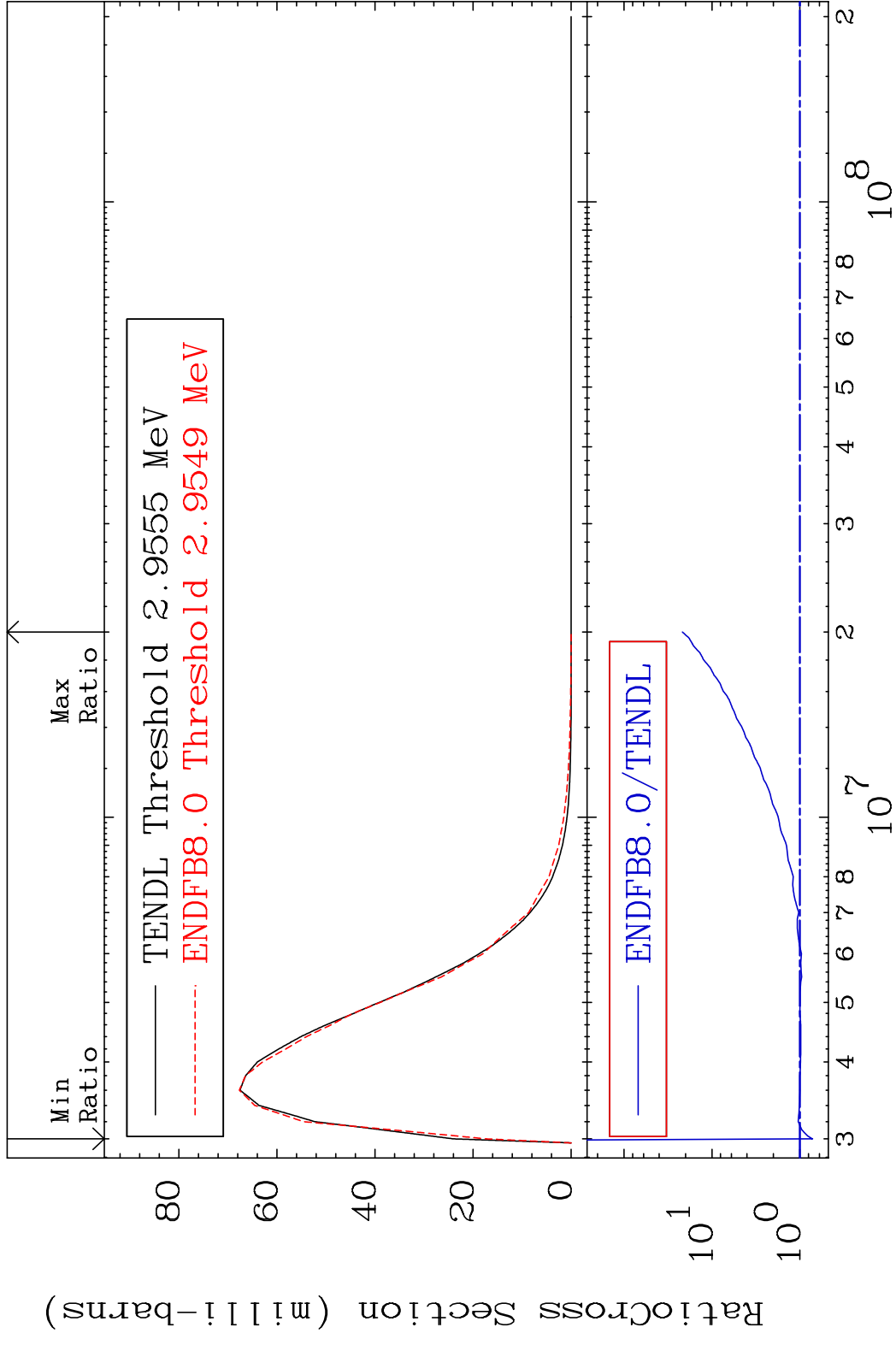


MAT 2028 MT= 55 (n,n') Level 20-Ca-41  
 Cross Section -100.0 To 2159. %

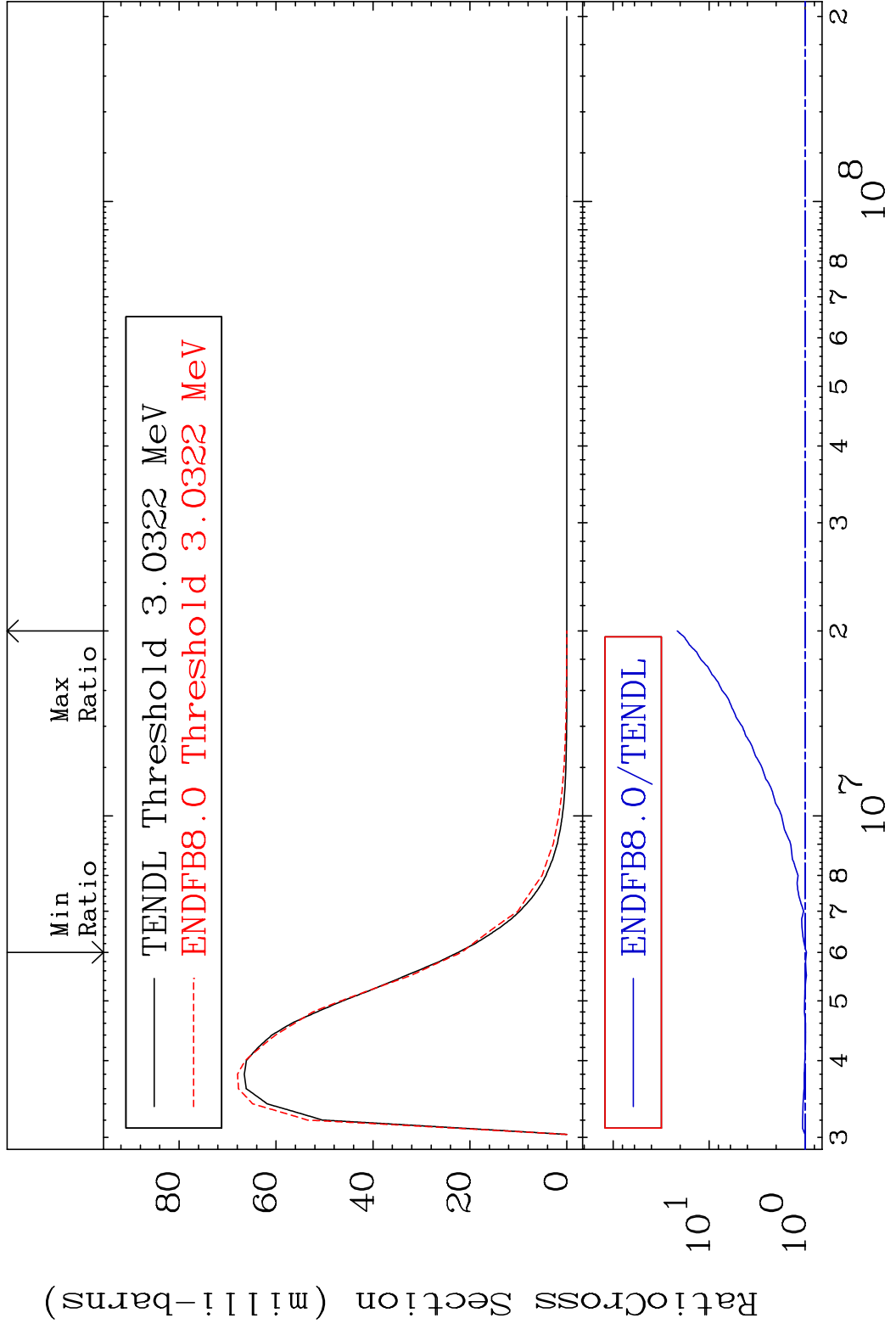




MAT 2028 MT= 57 (n, n') Level 20-Ca-41  
 Cross Section -28.22 To 2072. %

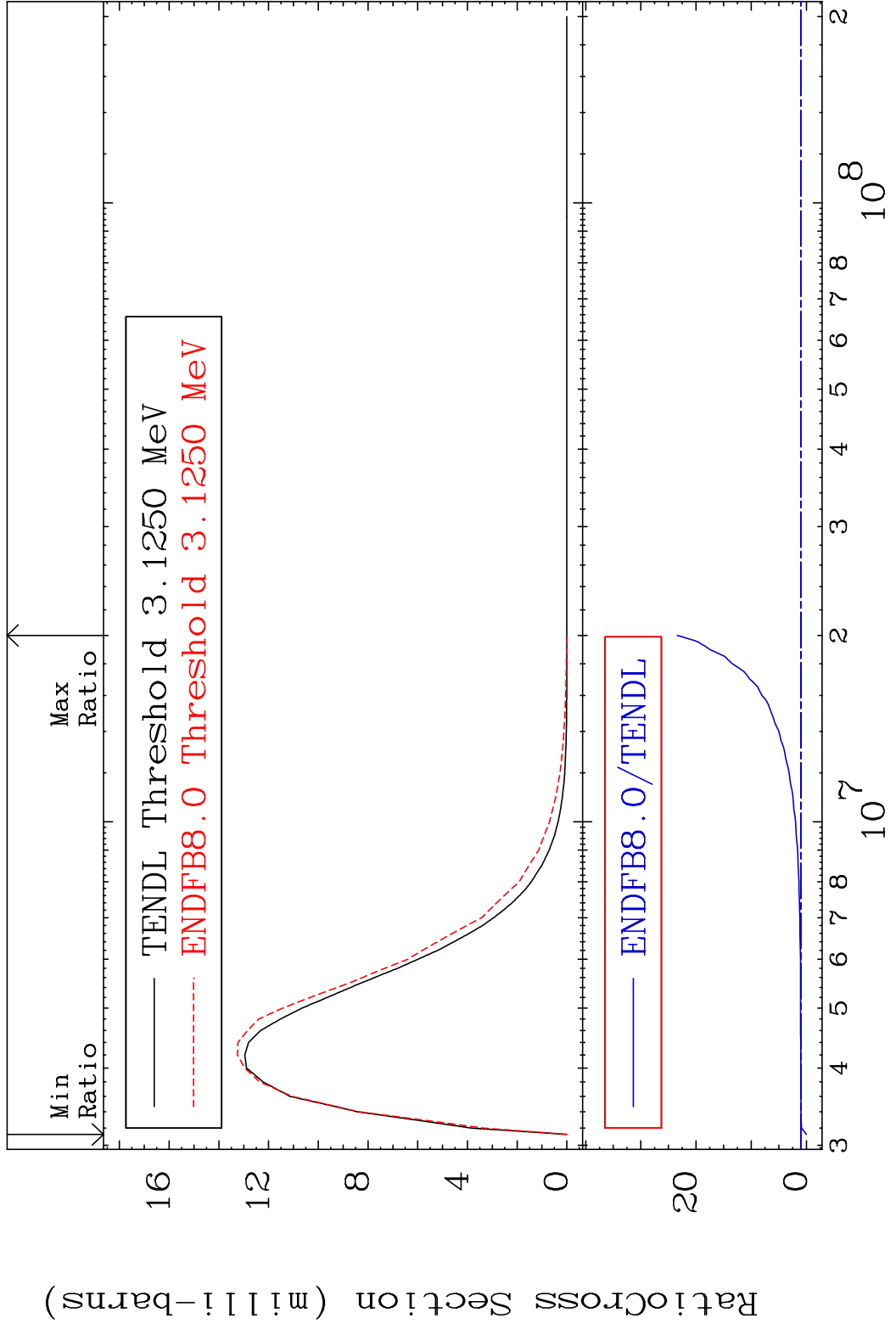


MAT 2028 MT= 58 (n,n') Level 20-Ca-41  
 Cross Section -3.147 To 2050. %



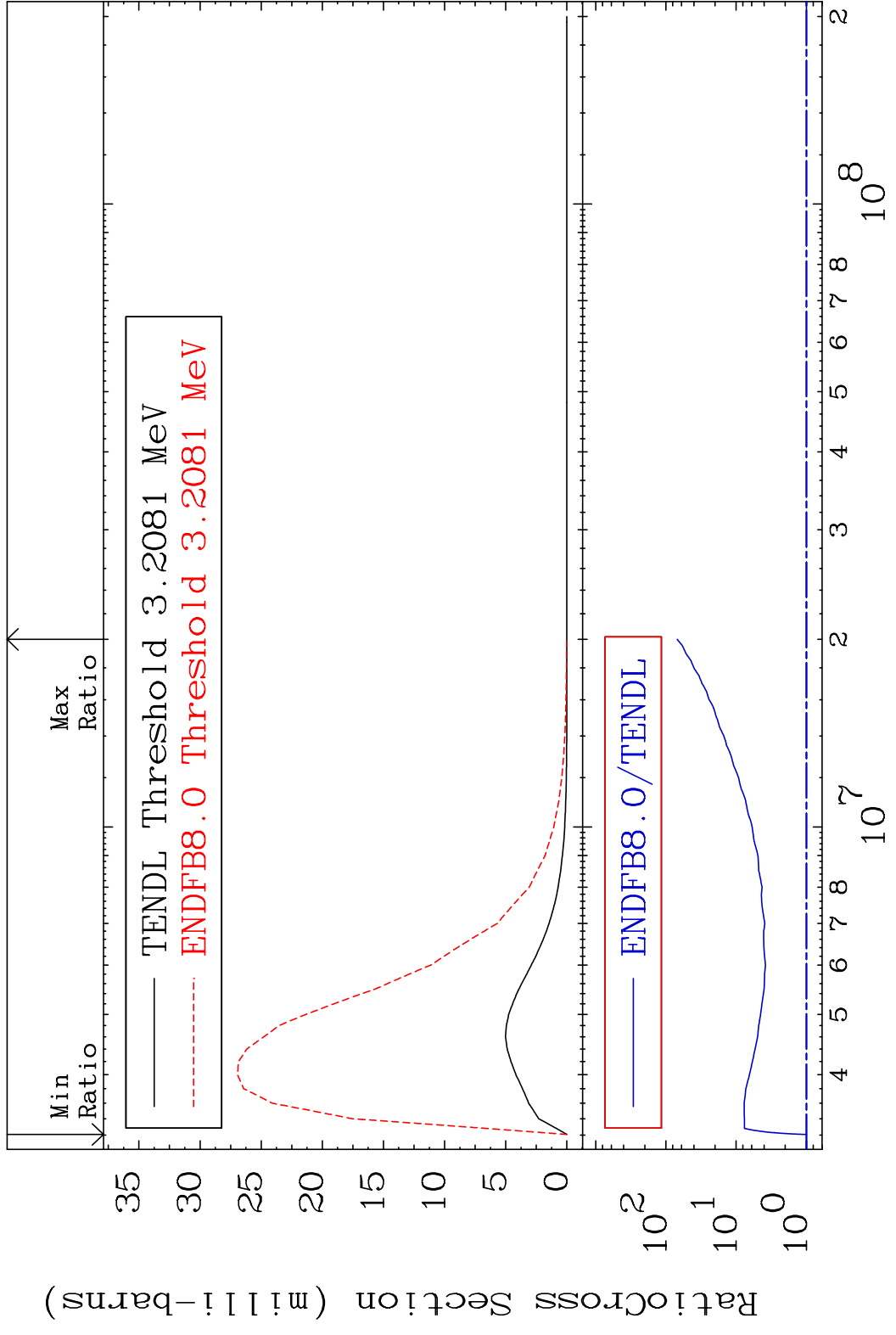
12 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 59 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 2242. %

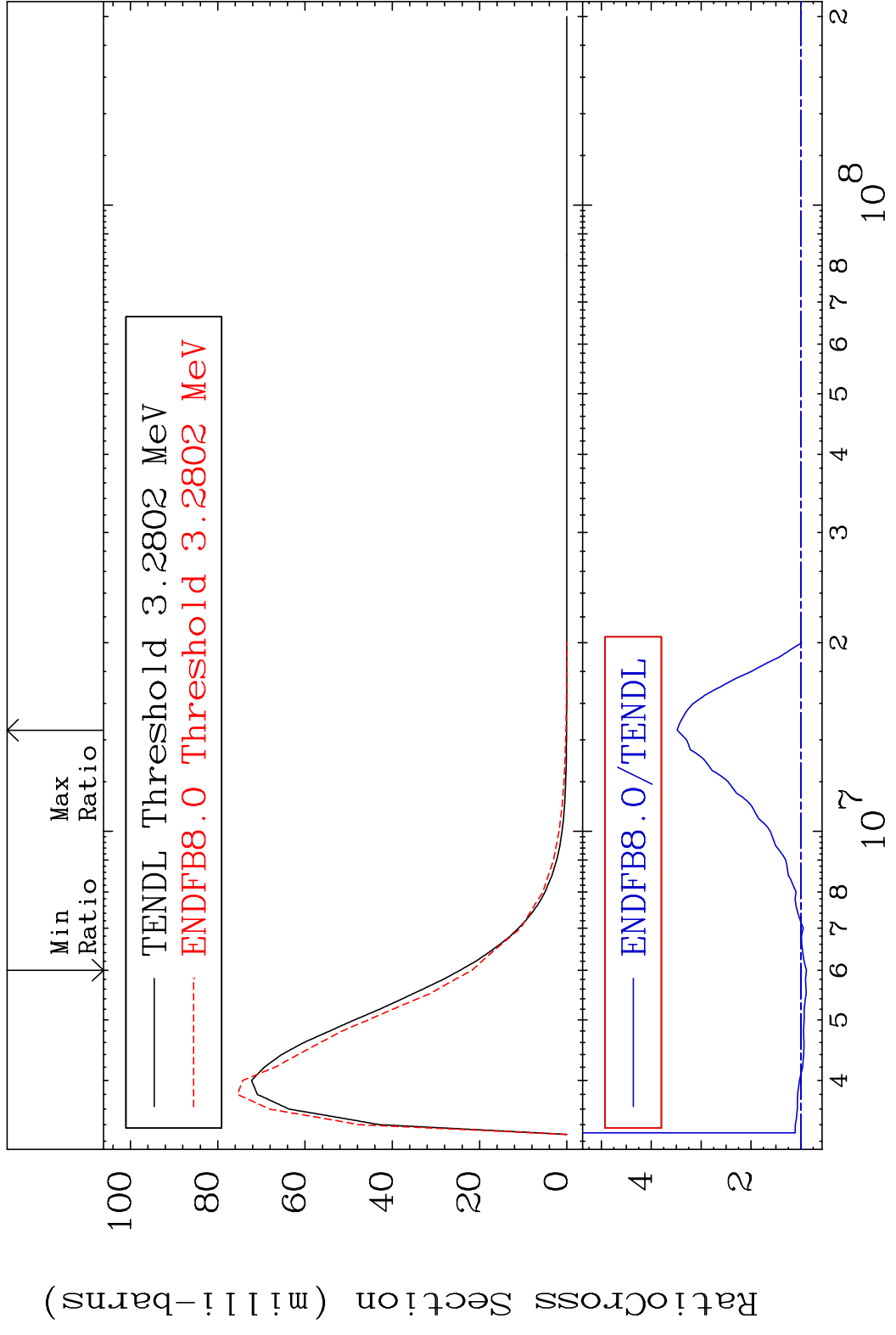


13 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 60 (n,n') Level 20-Ca-41  
 Cross Section 0.000 To 6811. %

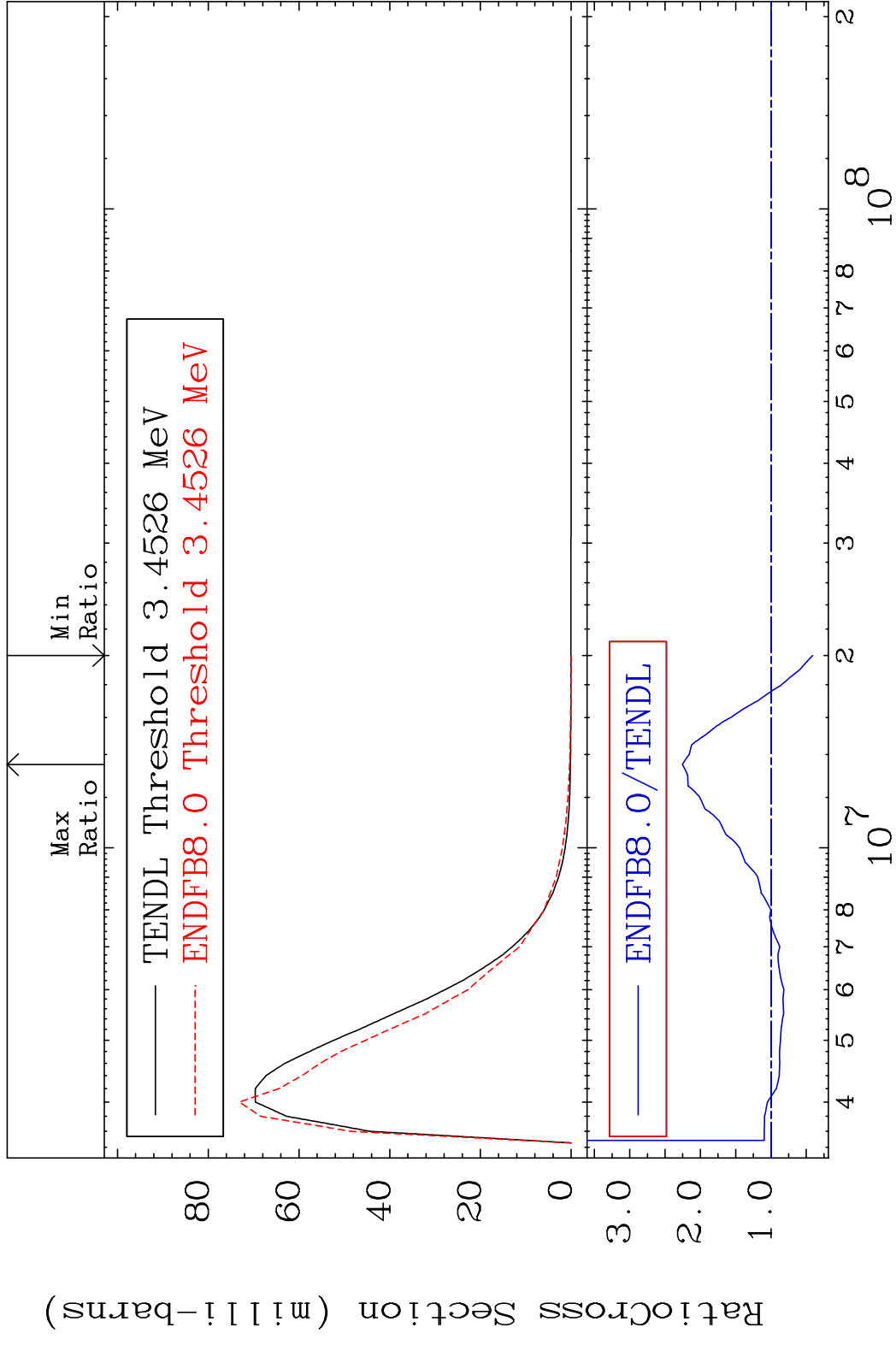


MAT 2028 MT= 61 (n,n') Level 20-Ca-41  
 Cross Section -11.18 To 248.1 %

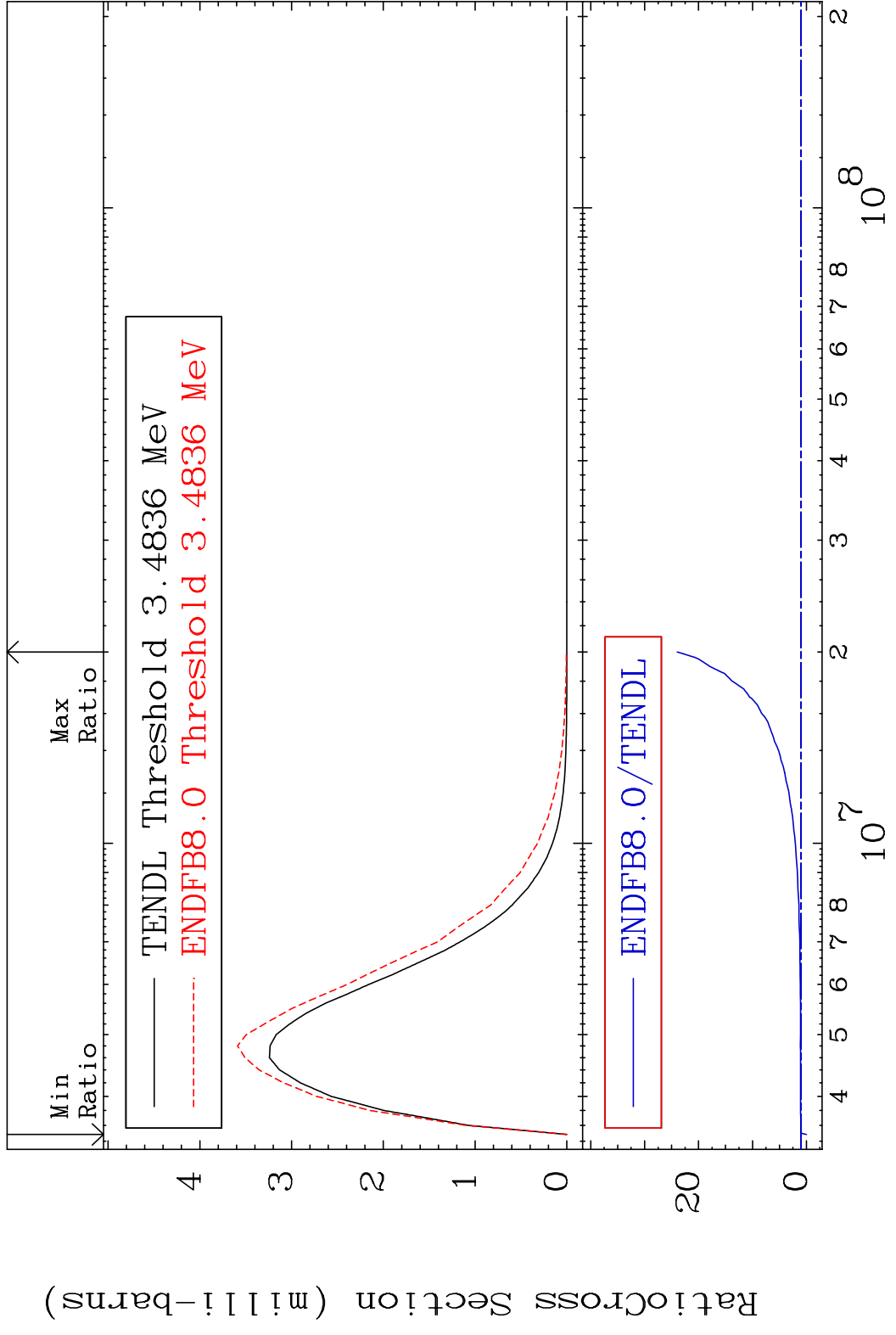


15 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 62 (n, n') Level 20-Ca-41  
 Cross Section -58.85 To 125.5 %

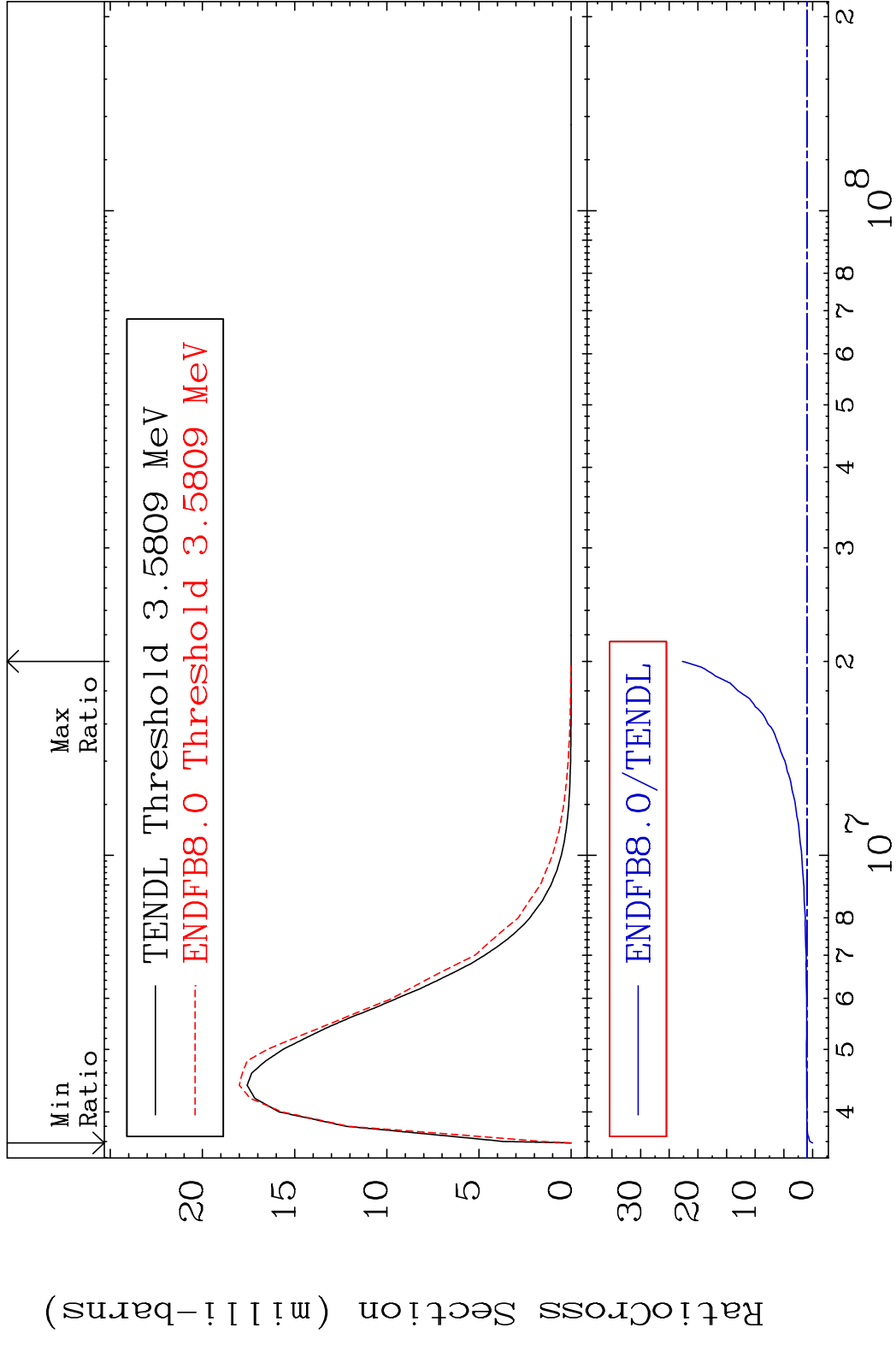


MAT 2028 MT= 63 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 2296. %



17 Incident Energy (eV) 20-Ca-41

MAT 2028 MT= 64 (n, n') Level 20-Ca-41  
 Cross Section -100.0 To 2172. %

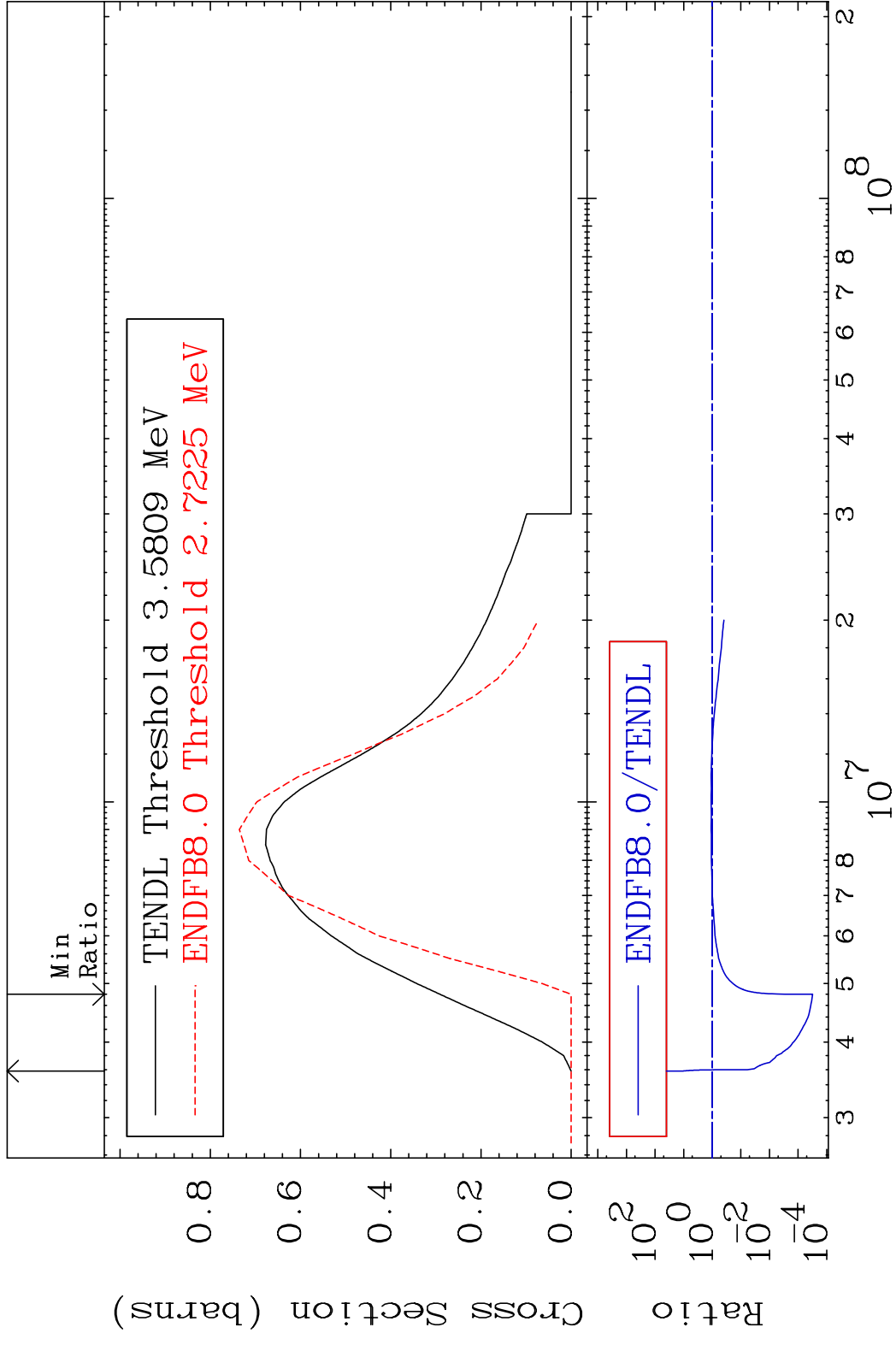


MAT 2028

(n,n') Continuum

20-Ca-41

Cross Section -99.97 To 1011. %

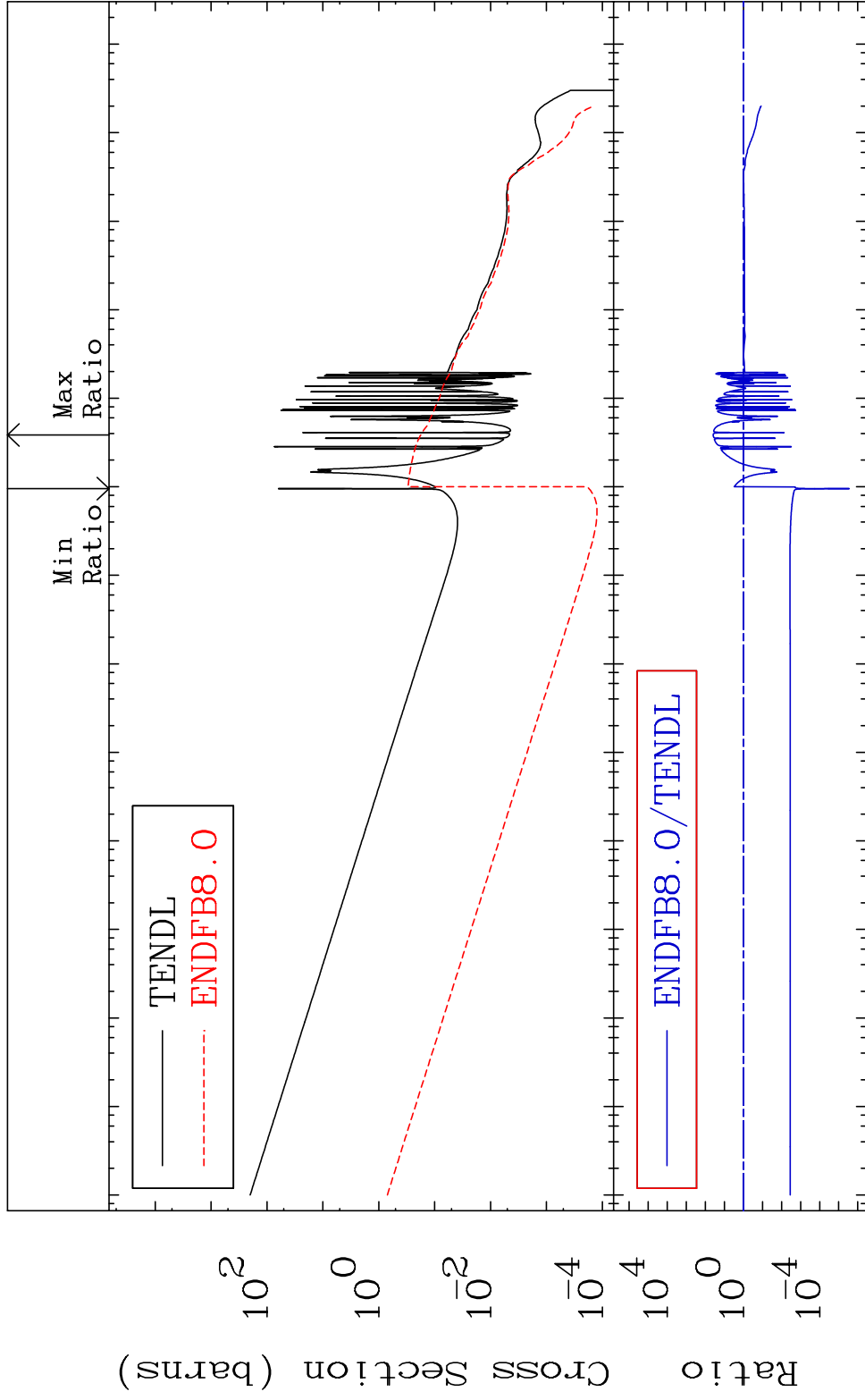


MAT 2028

(n,  $\gamma$ )

20-Ca-41

Cross Section -100.0 To 3793. %

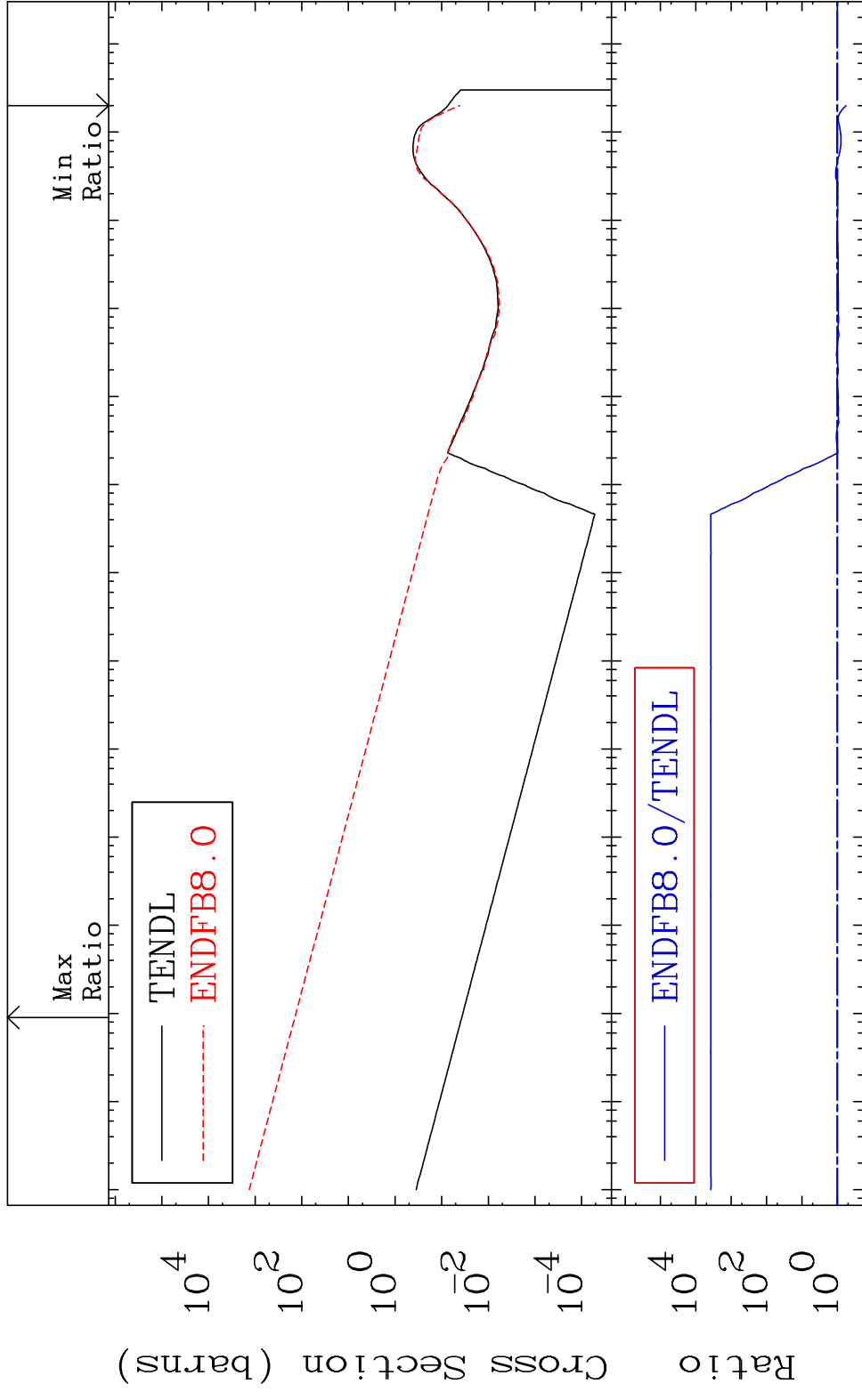


20

Incident Energy (eV)

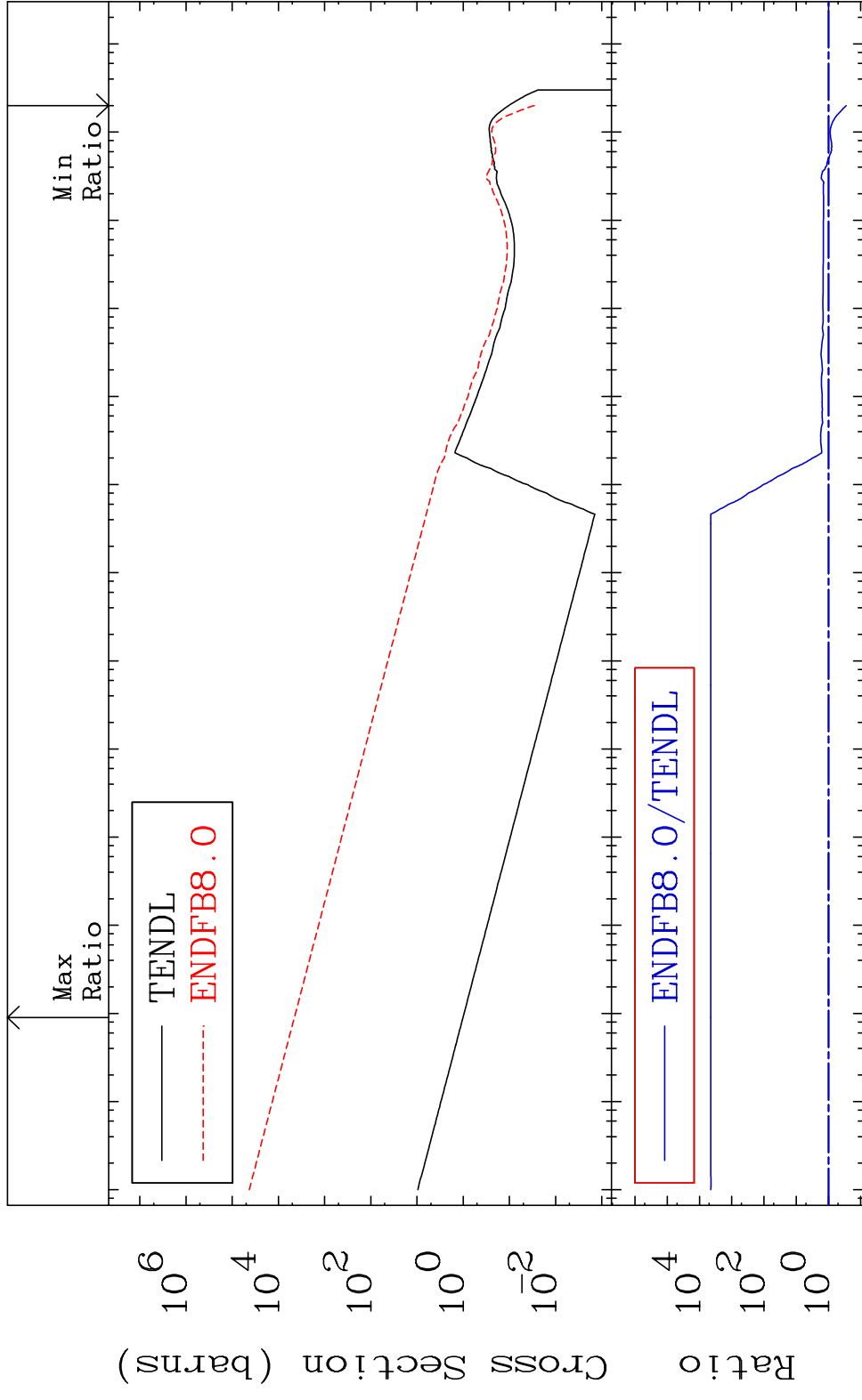
20-Ca-41

MAT 2028 (n,p) 20-Ca-41  
 Cross Section -44.48 To 9999. %

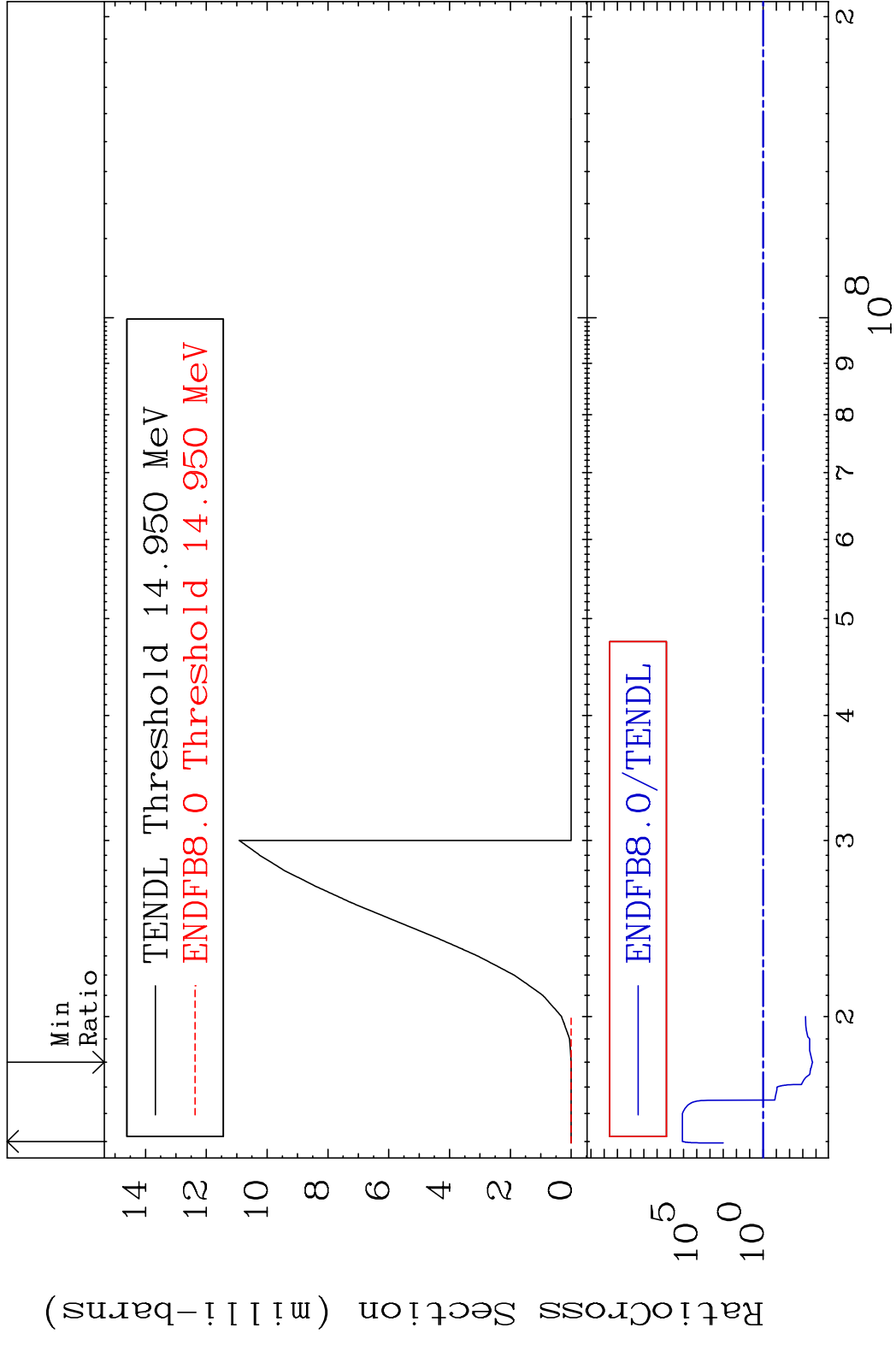


21 Incident Energy (eV) 20-Ca-41

MAT 2028  $(n, \alpha)$  Cross Section -72.10 To 9999. % 20-Ca-41



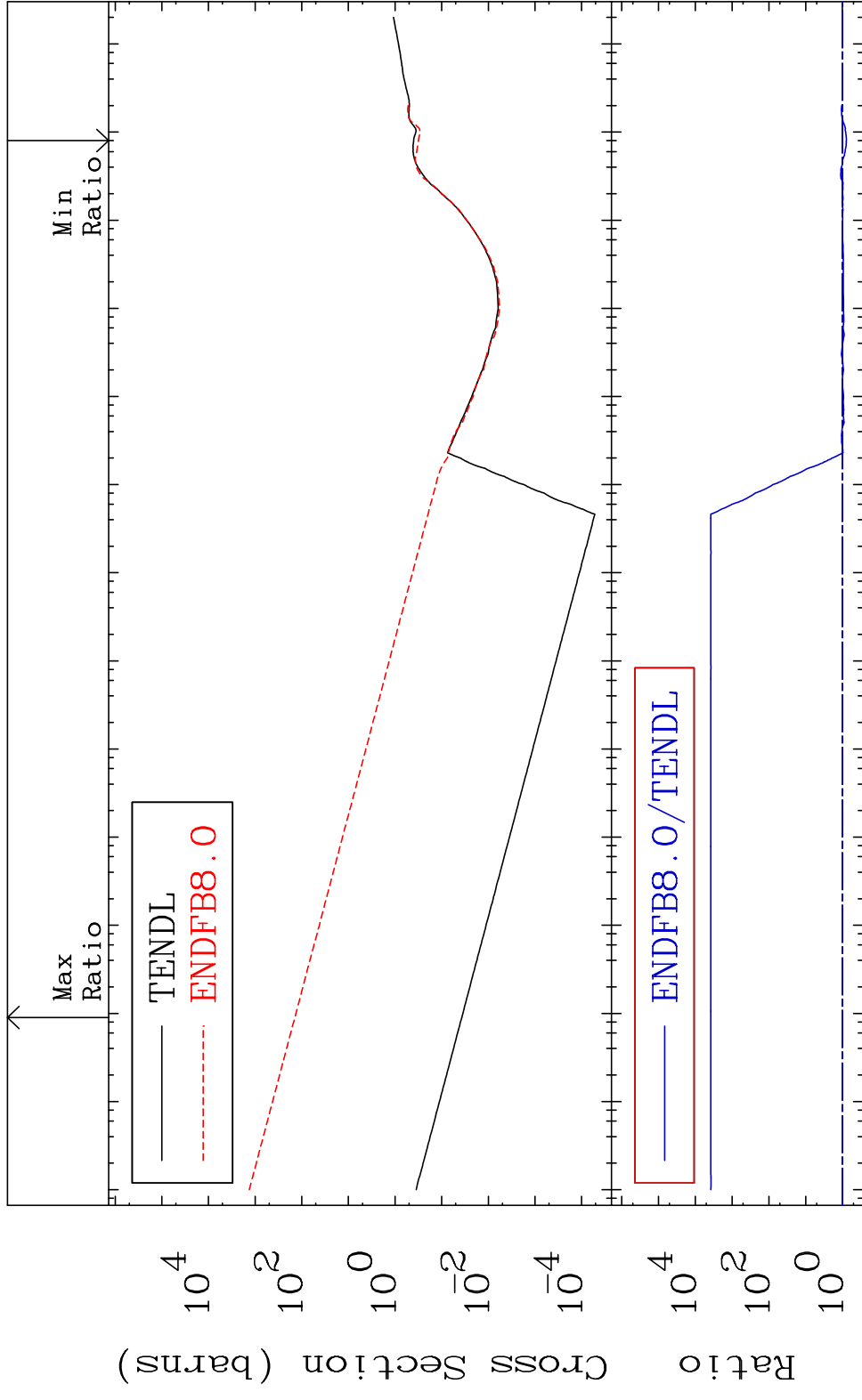
MAT 2028 (n,p) t 20-Ca-41  
 Cross Section -99.98 To 9999. %



MAT 2028

Hydrogen Production  
Cross Section -21.55 To 9999. %

20-Ca-41

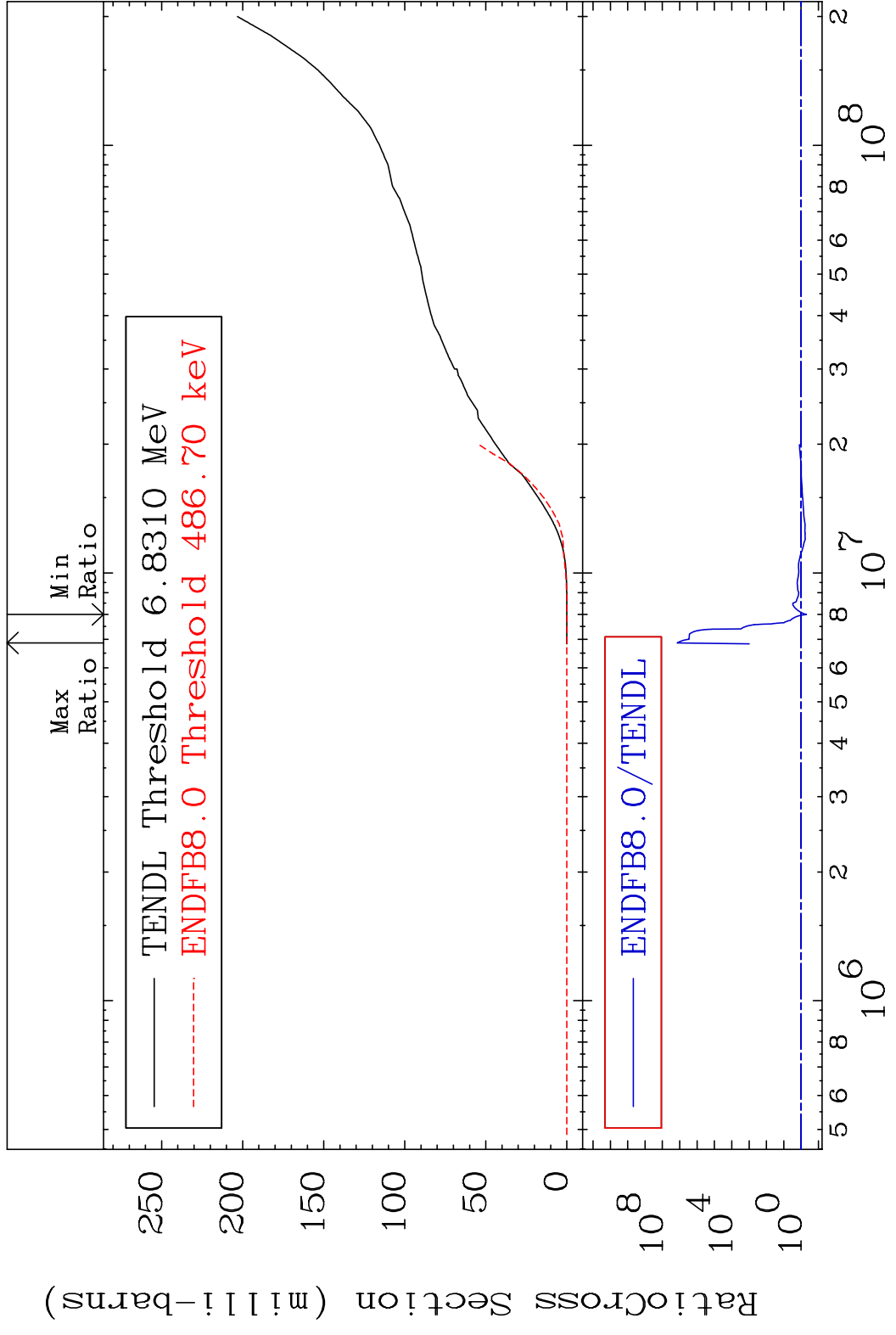


10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

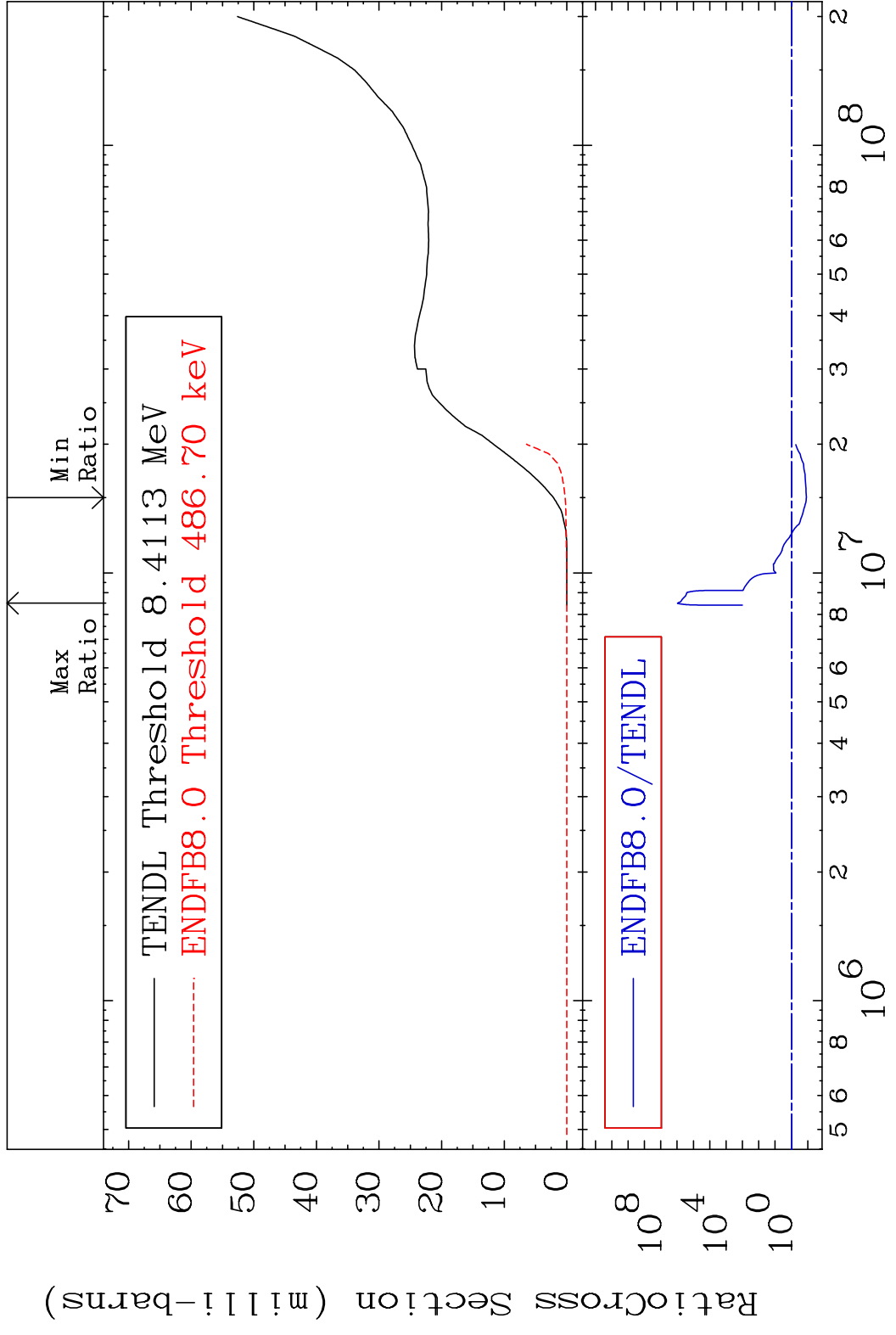
24

Incident Energy (eV)

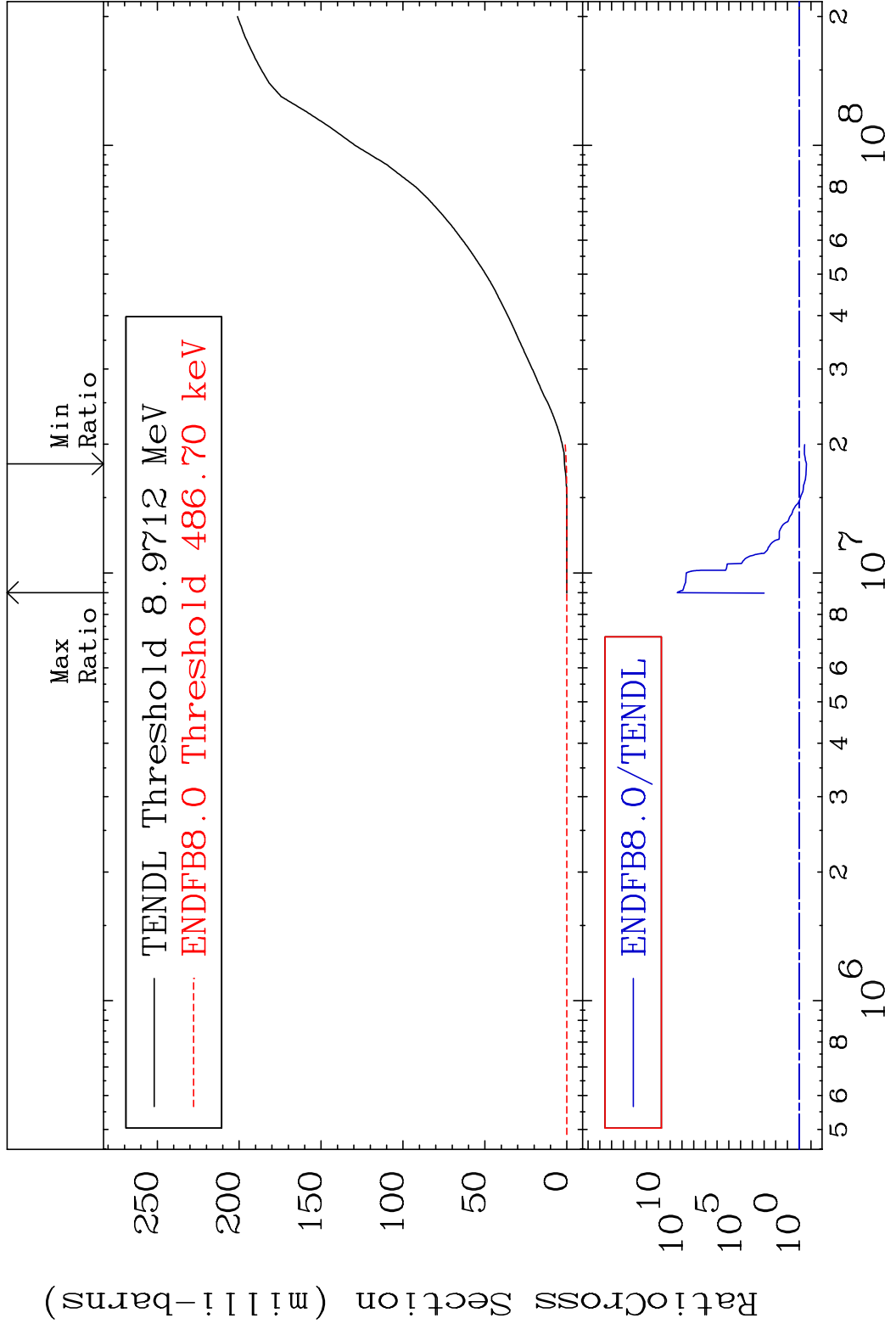
20-Ca-41



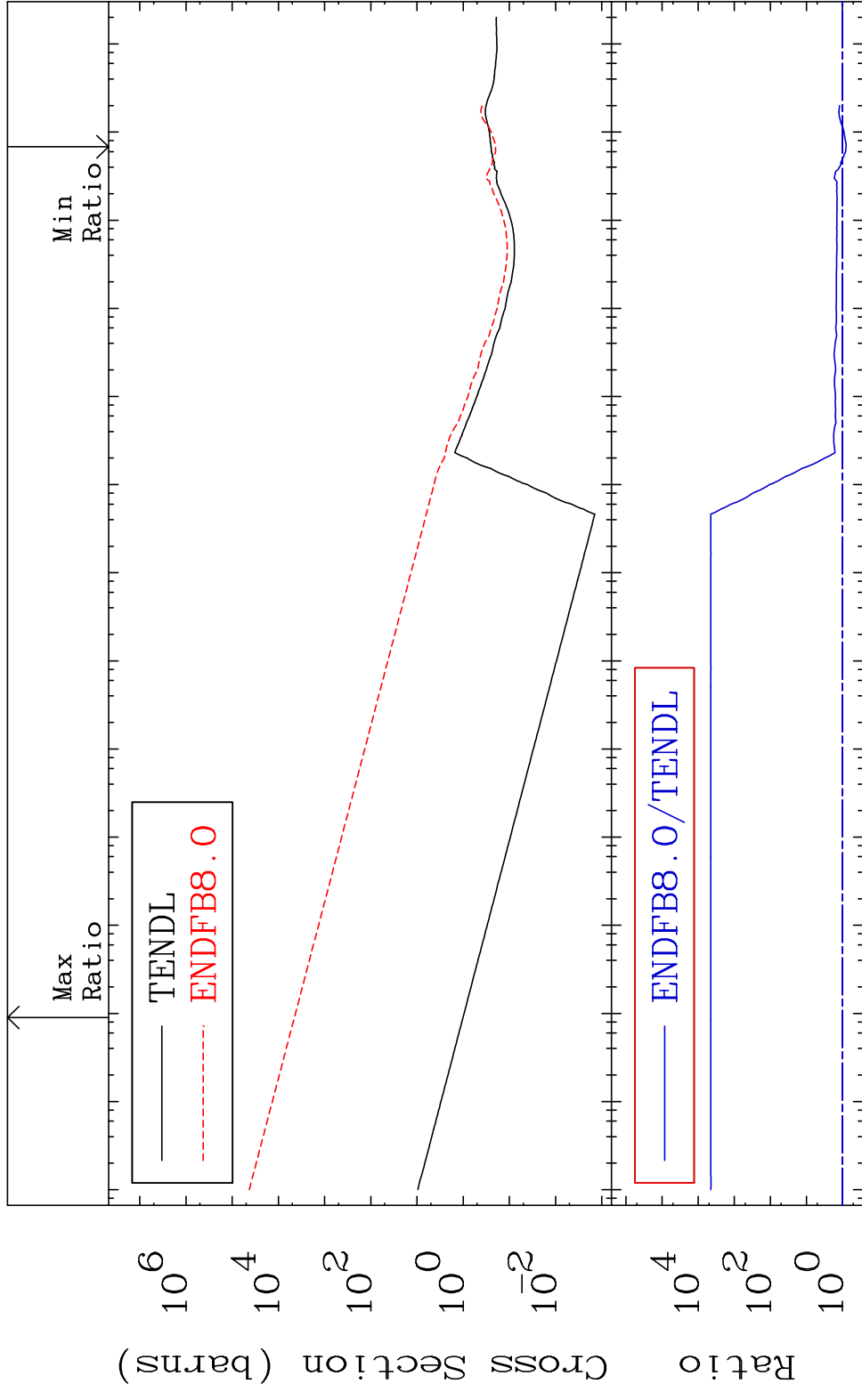
MAT 2028 Tritium Production 20-Ca-41  
 Cross Section -87.87 To 9999. %



MAT 2028 He-3 Production 20-Ca-41  
 Cross Section -75.57 To 9999. %

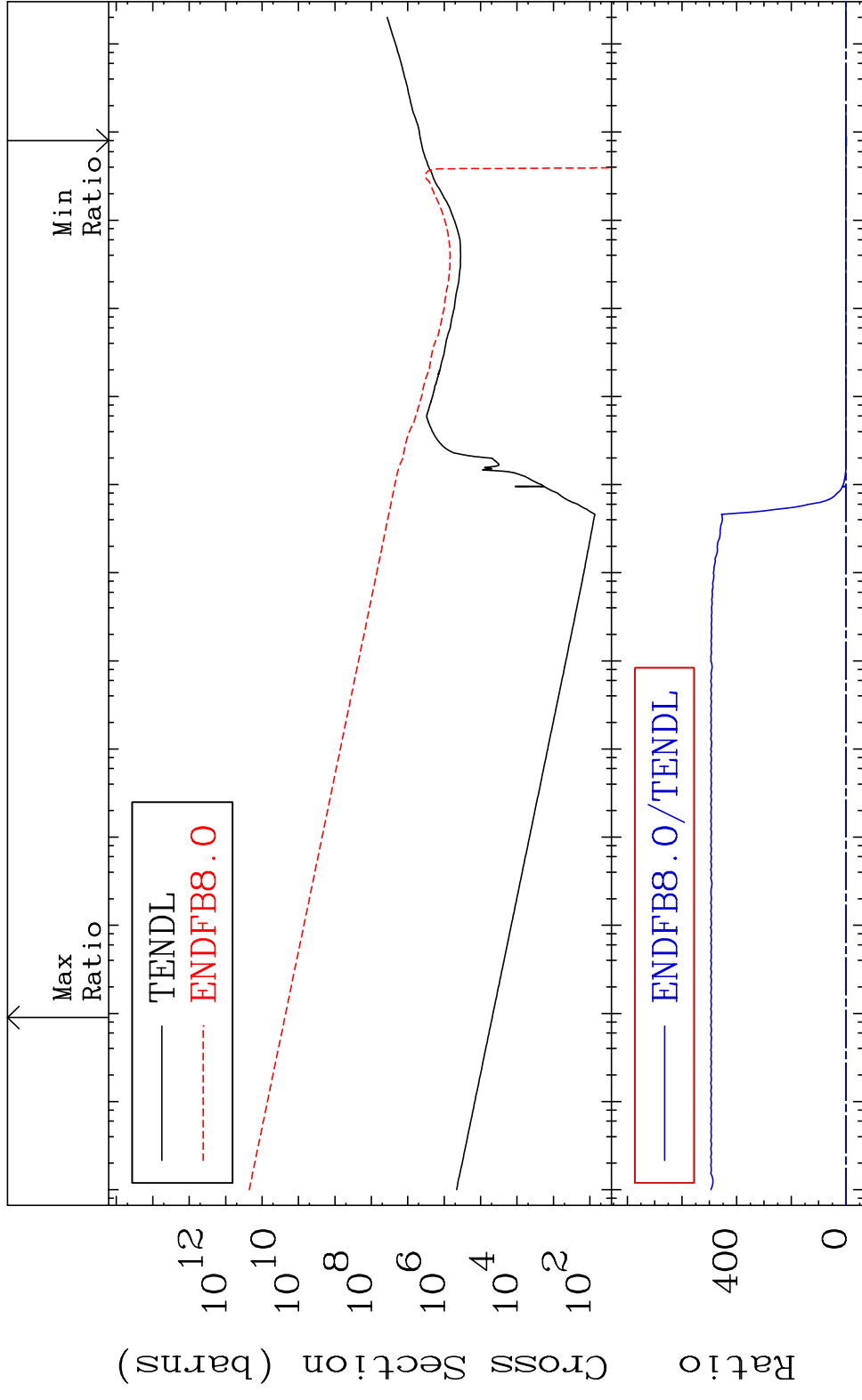


MAT 2028 He-4 Production 20-Ca-41  
 Cross Section -21.93 To 9999. %



28 Incident Energy (eV) 20-Ca-41

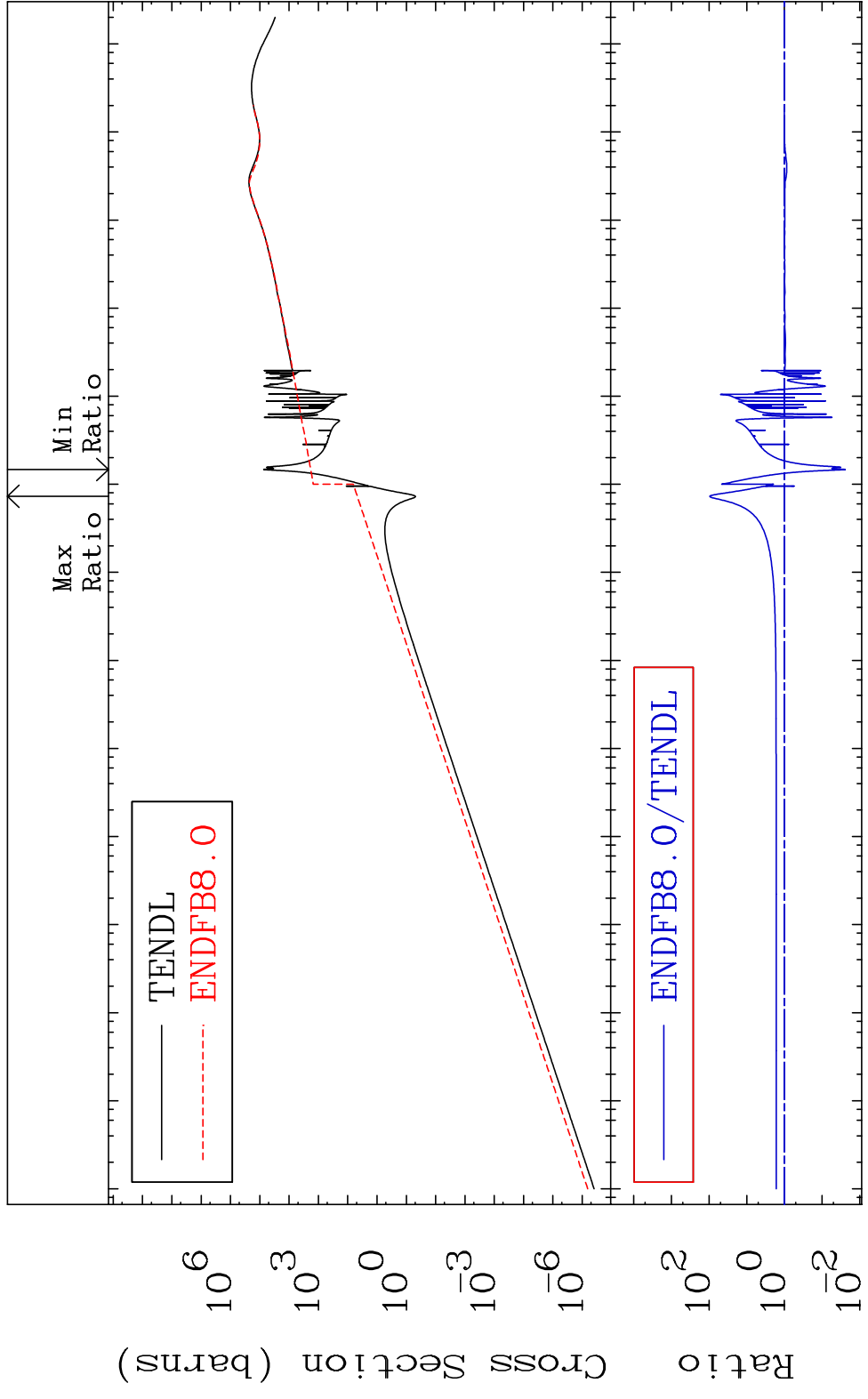
MAT 2028 Kerma total (eV-barns) 20-Ca-41  
 Cross Section -9999. To 9999. %



29 Incident Energy (eV) 20-Ca-41

MAT 2028

Kerma elastic Cross Section -97.577 To 9491. %  
20-Ca-41



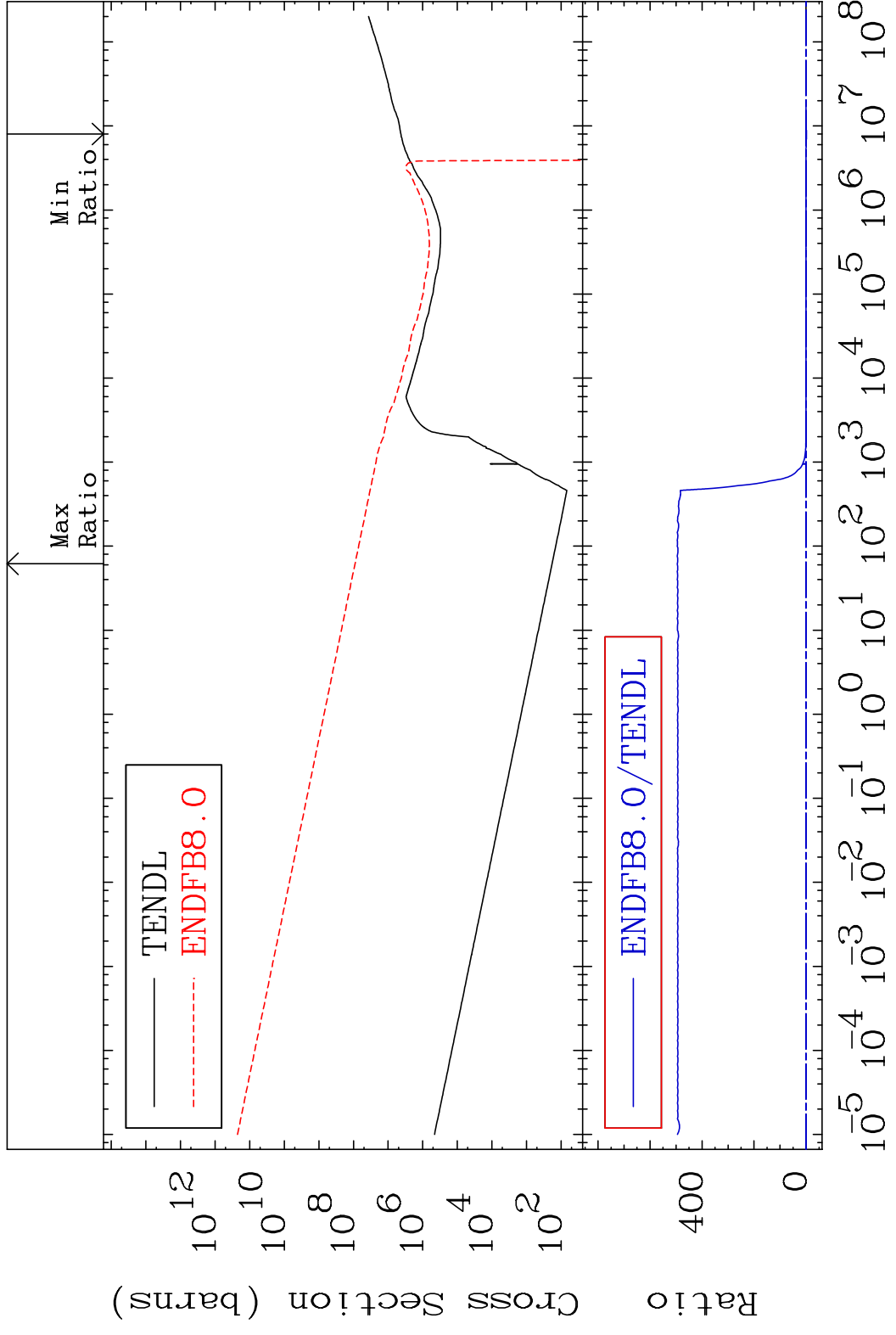
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

30

Incident Energy (eV)

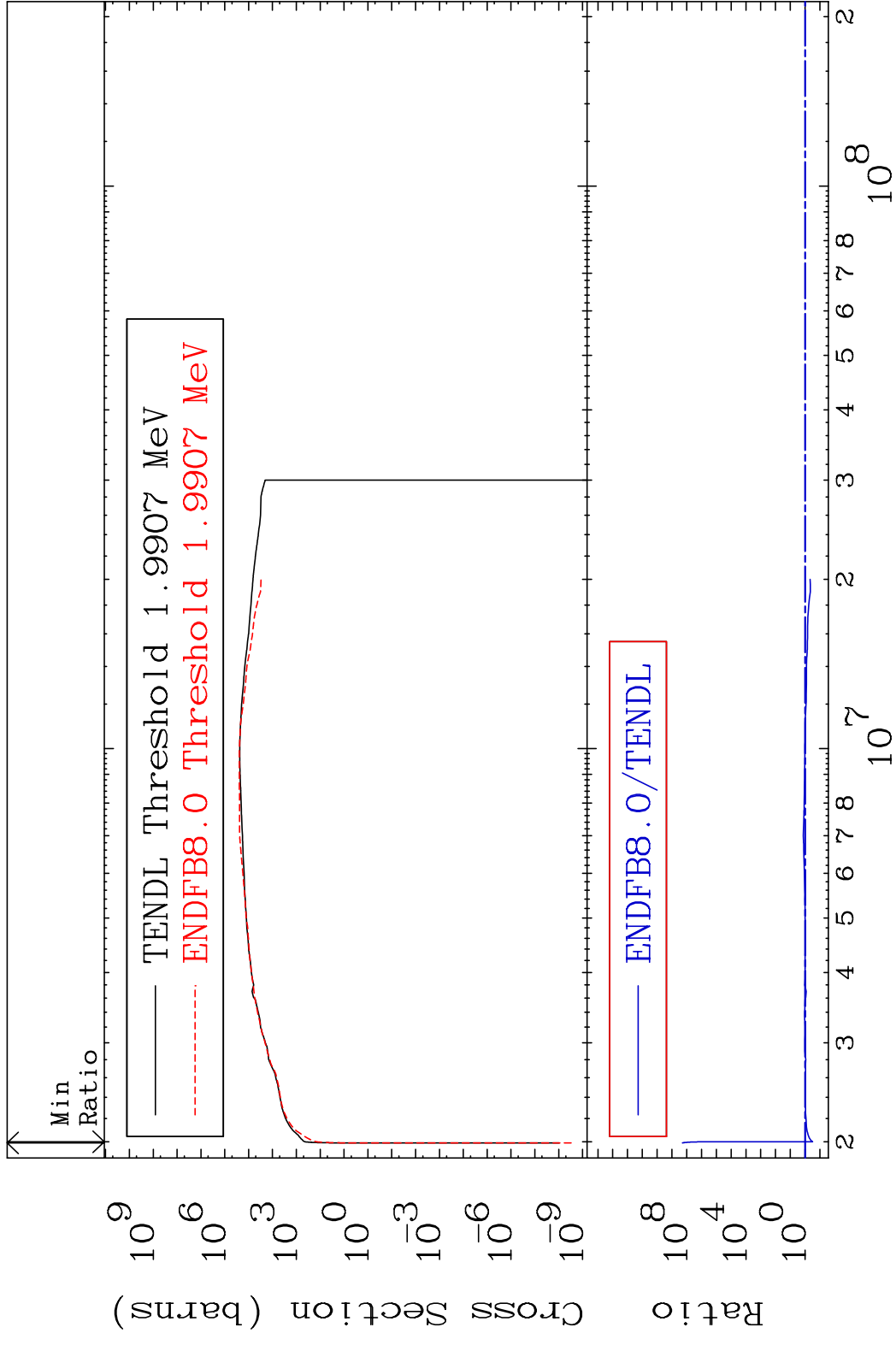
20-Ca-41

MAT 2028 Kerma non-elastic (all but mt2) 20-Ca-41  
 Cross Section -9999. To 9999. %

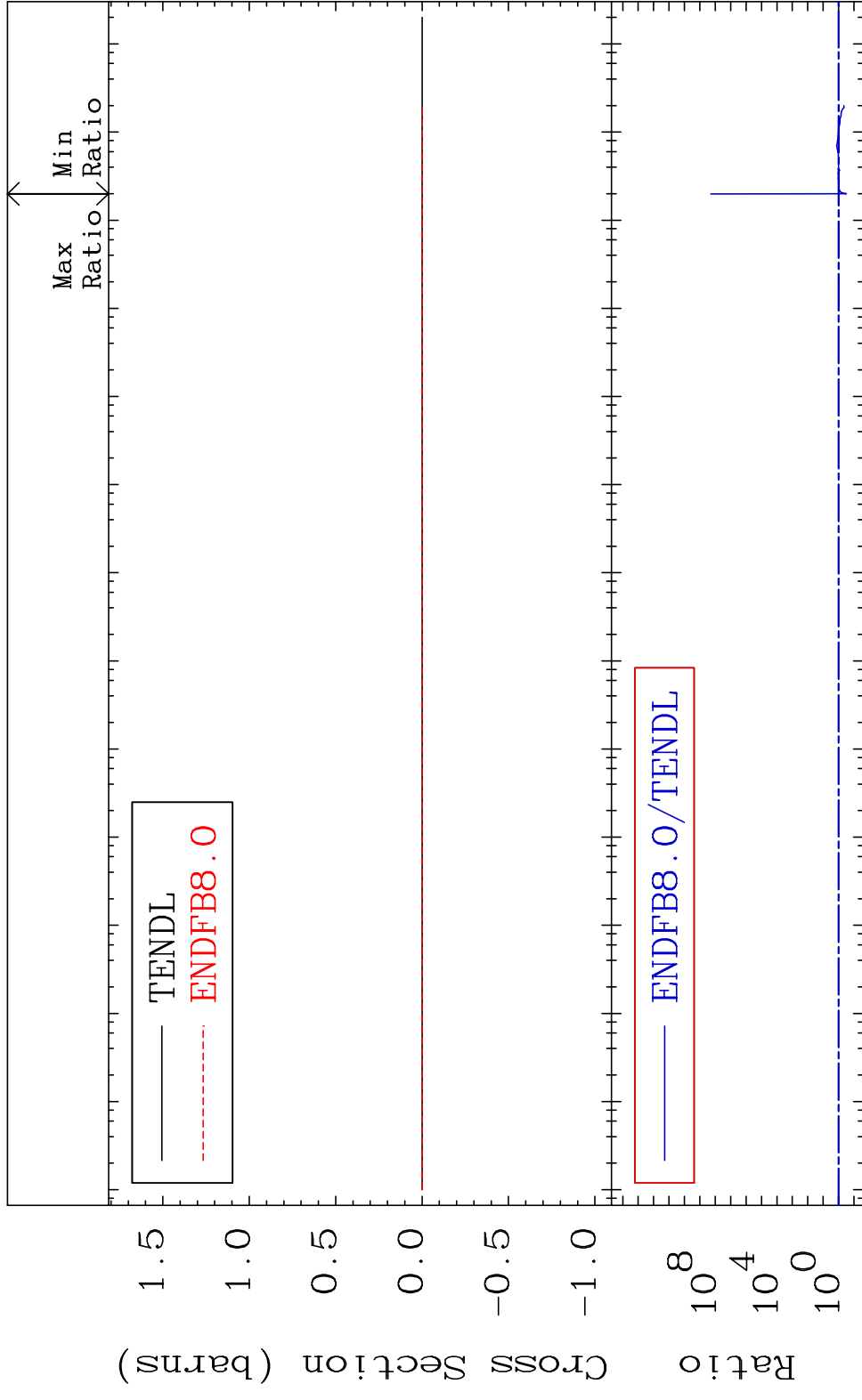


31 Incident Energy (eV) 20-Ca-41

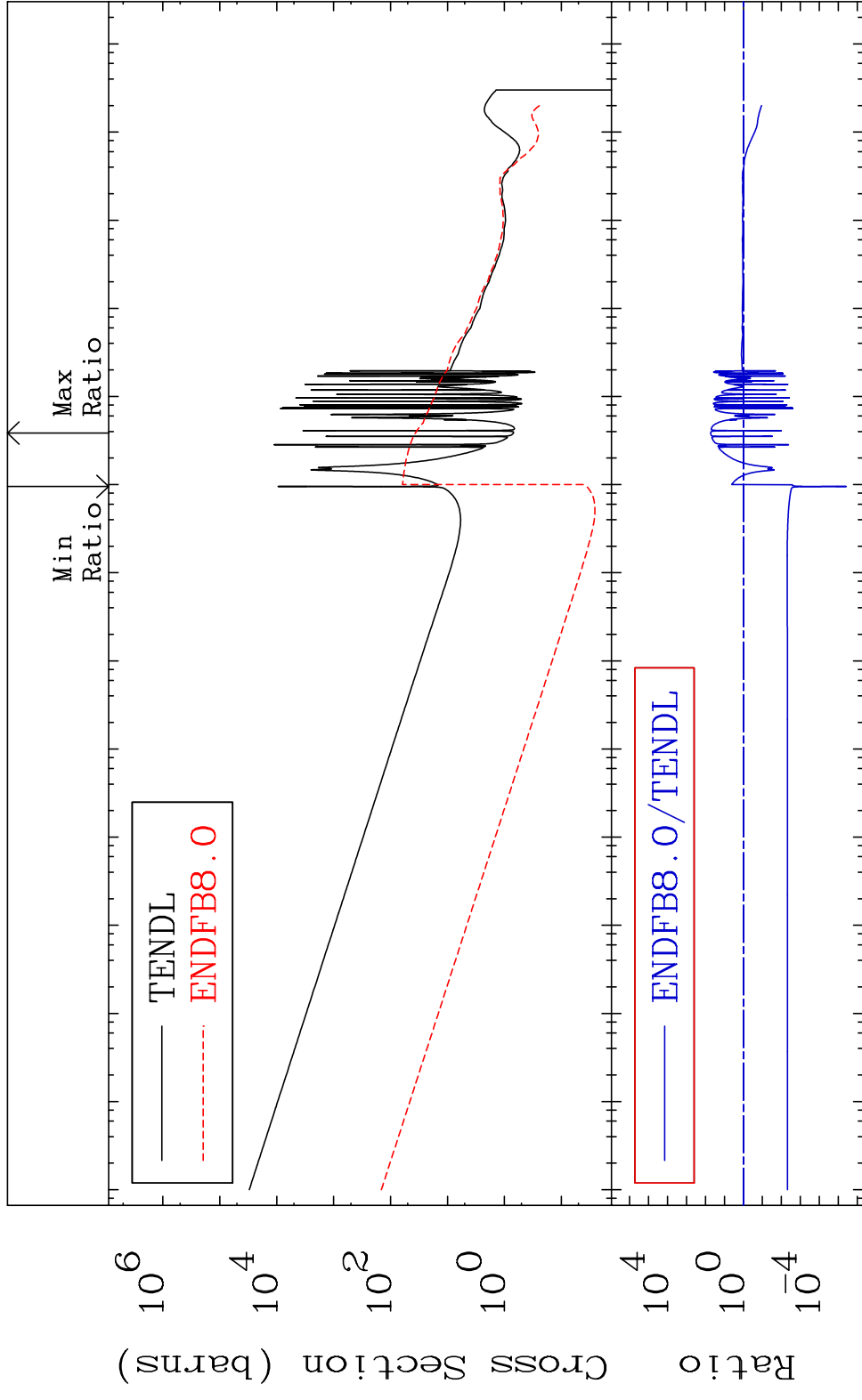
MAT 2028 Kerma inelastic (mt51-91) 20-Ca-41  
 Cross Section -68.52 To 9999. %



MAT 2028 Kerma fission (mt18 or mt19-20-21-38) 20-Ca-41  
 Cross Section -68.52 To 9999. %

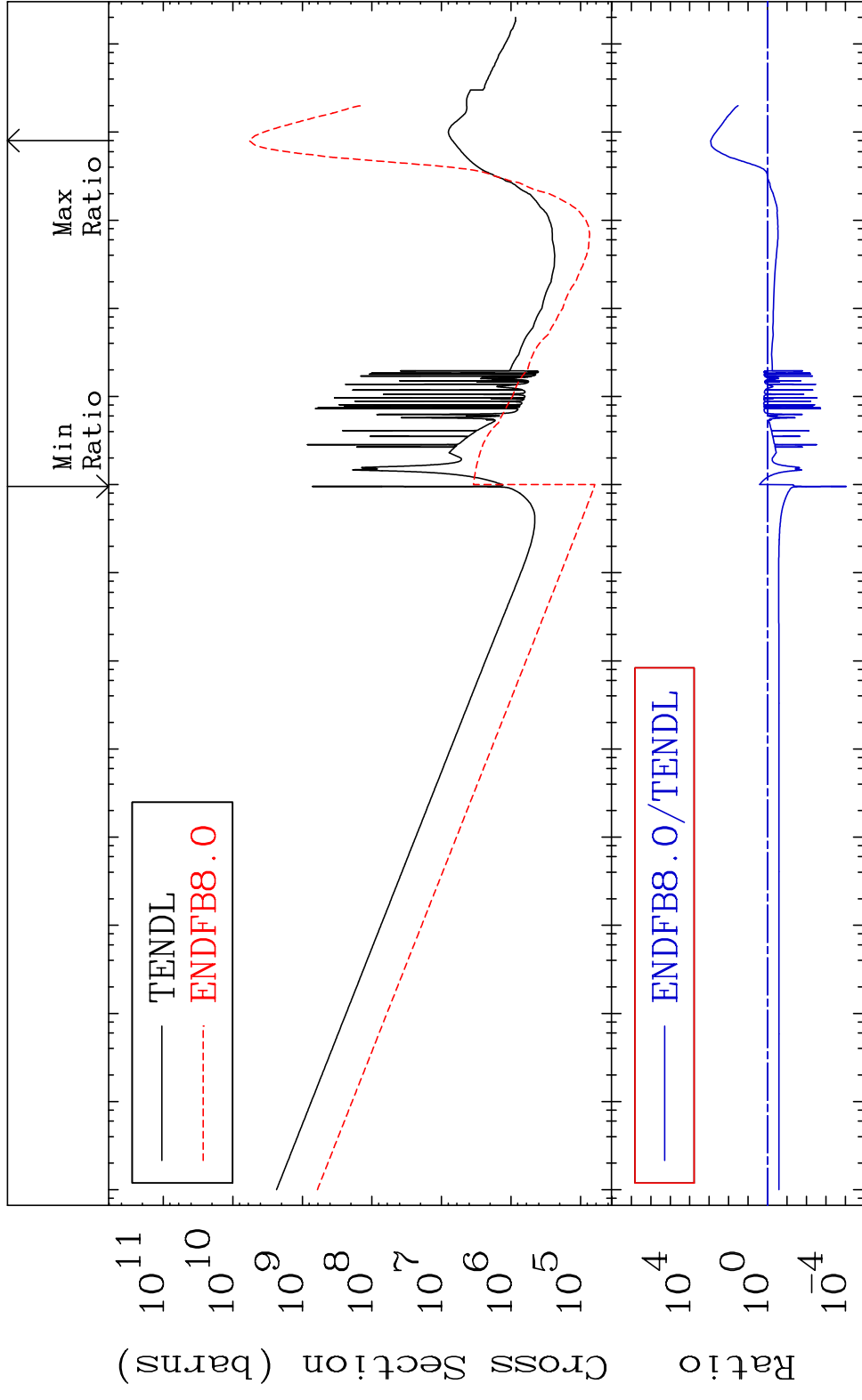


MAT 2028 Kerma capture (mt102) 20-Ca-41  
 Cross Section -100.0 To 5182. %

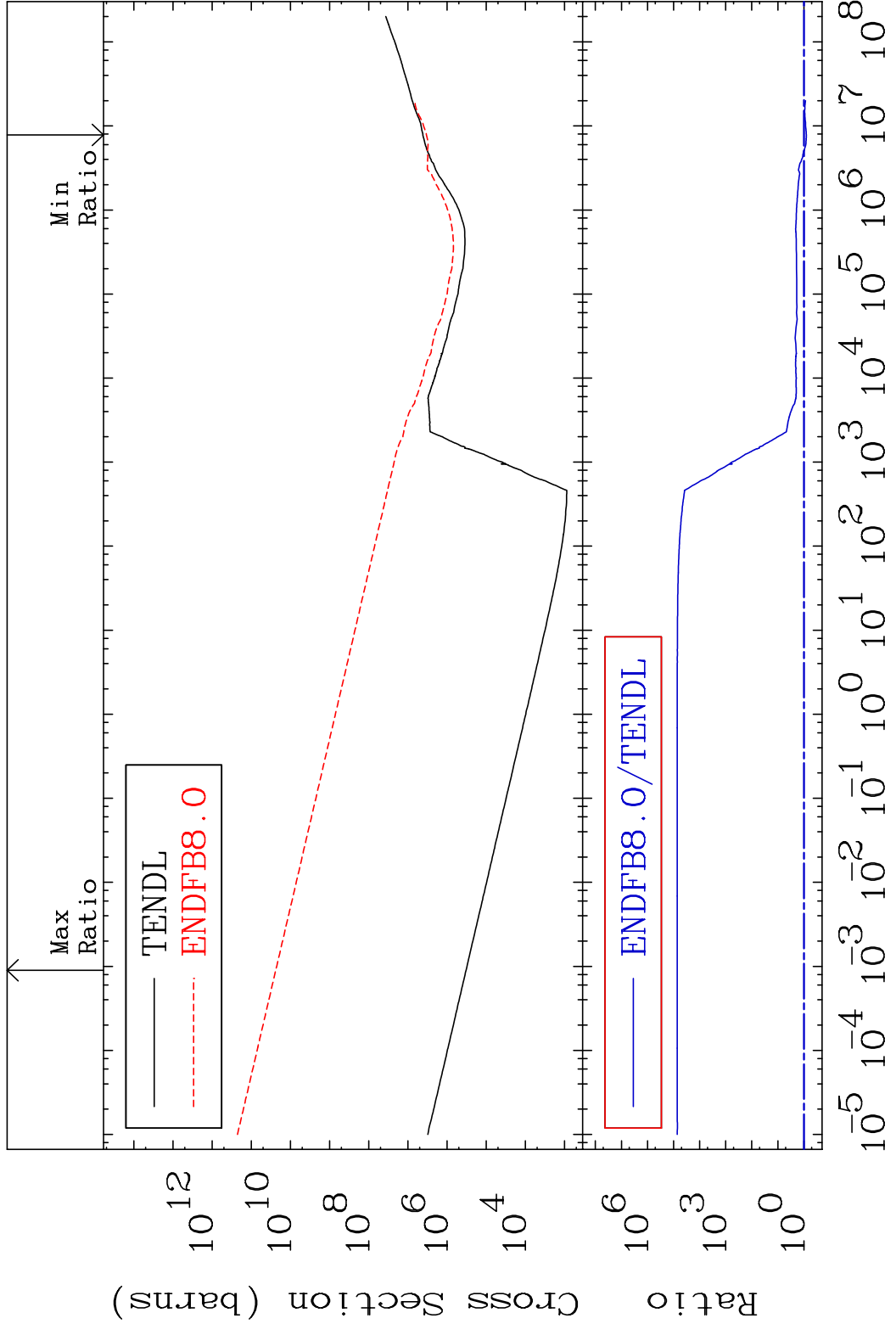


34 Incident Energy (eV) 20-Ca-41

MAT 2028 Total photon (eV-barns) 20-Ca-41  
 Cross Section -99.99 To 9999. %

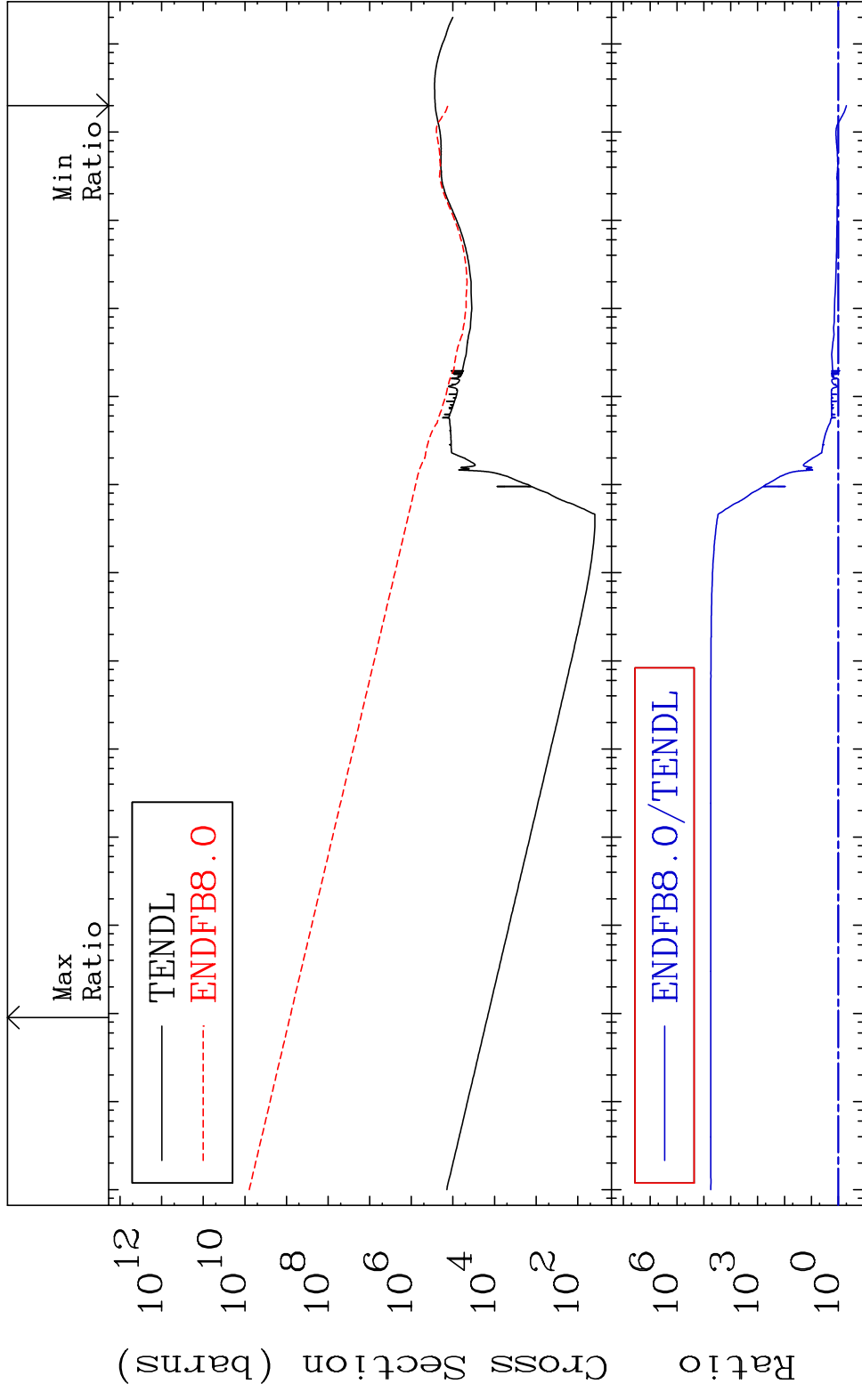


MAT 2028 Total kinematic kerma (high limit) 20-Ca-41  
 Cross Section -19.72 To 9999. %



36 Incident Energy (eV) 20-Ca-41

MAT 2028 Dpa total (eV-barns) 20-Ca-41  
 Cross Section -50.00 To 9999. %



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>

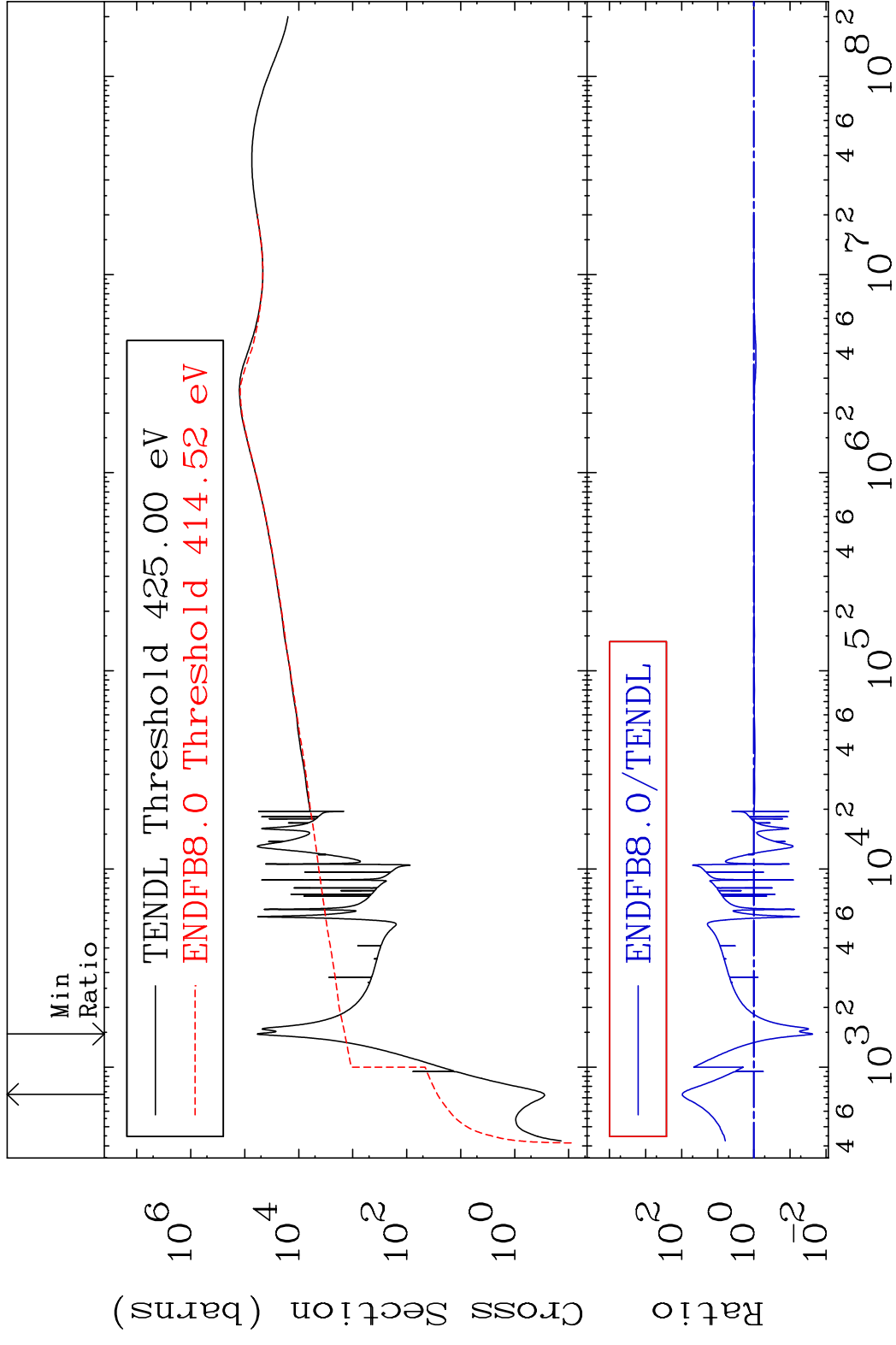
37 Incident Energy (eV) 20-Ca-41

MAT 2028

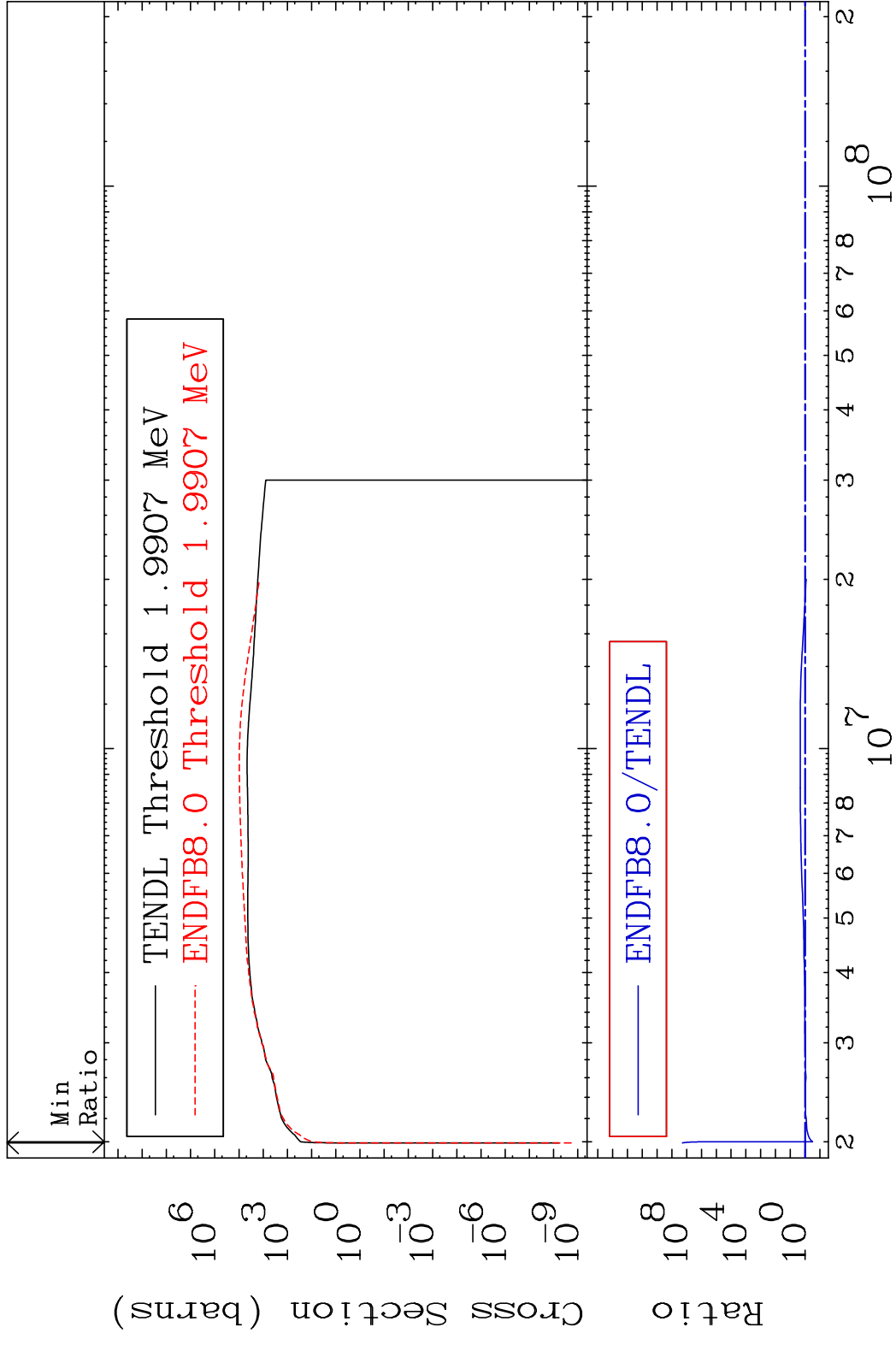
Dpa elastic (mt2)

20-Ca-41

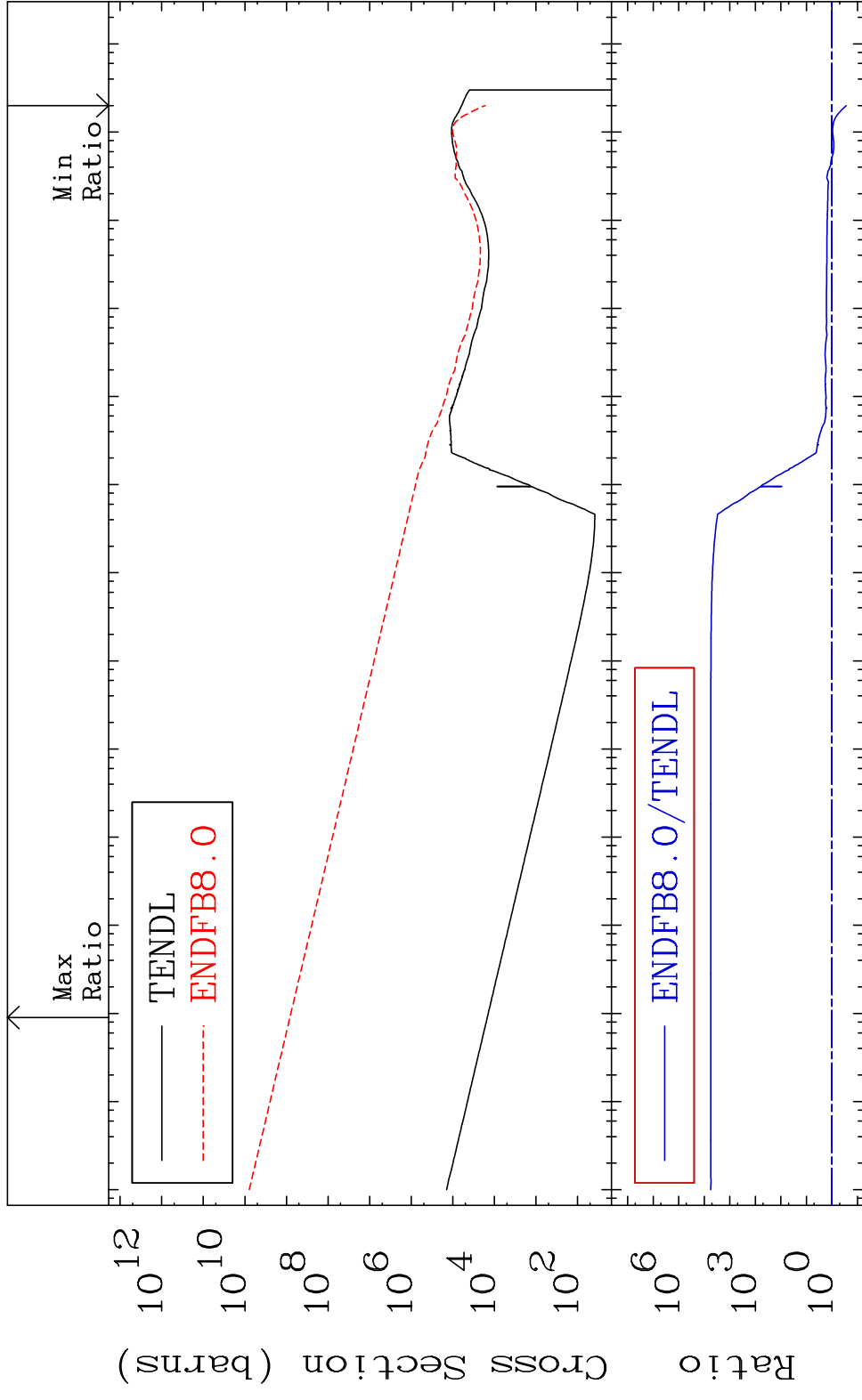
Cross Section -97.63 To 9472. %



MAT 2028      Dpa inelastic (mt51-91)      20-Ca-41  
 Cross Section      -68.40 To 9999. %



MAT 2028 Dpa disappearance (mt102 -120) 20-Ca-41  
 Cross Section -72.50 To 9999. %



40 Incident Energy (eV) 20-Ca-41