

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

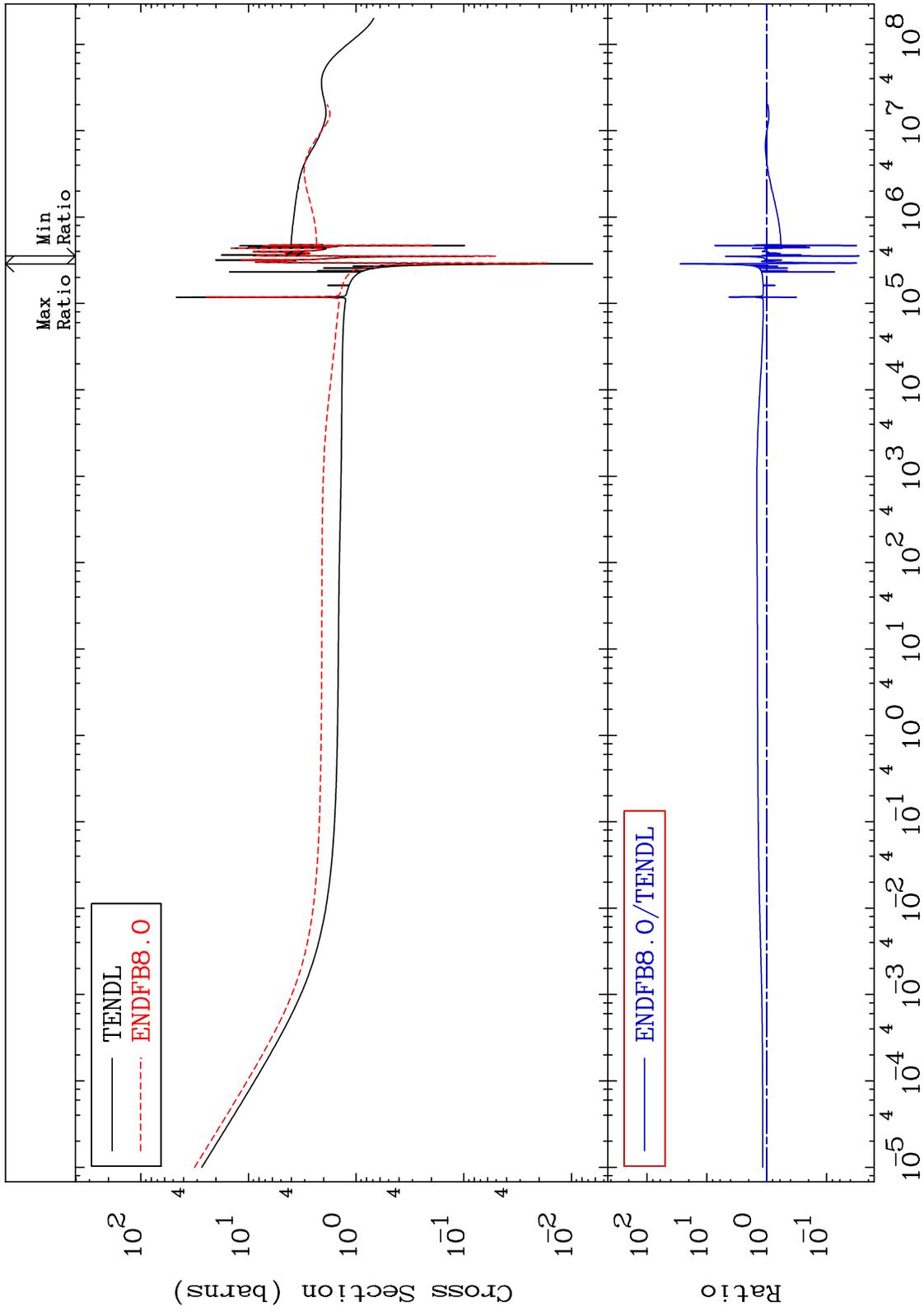
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 1631 Total Cross Section 16-S -34 -97.11 To 2682. %



16-S -34

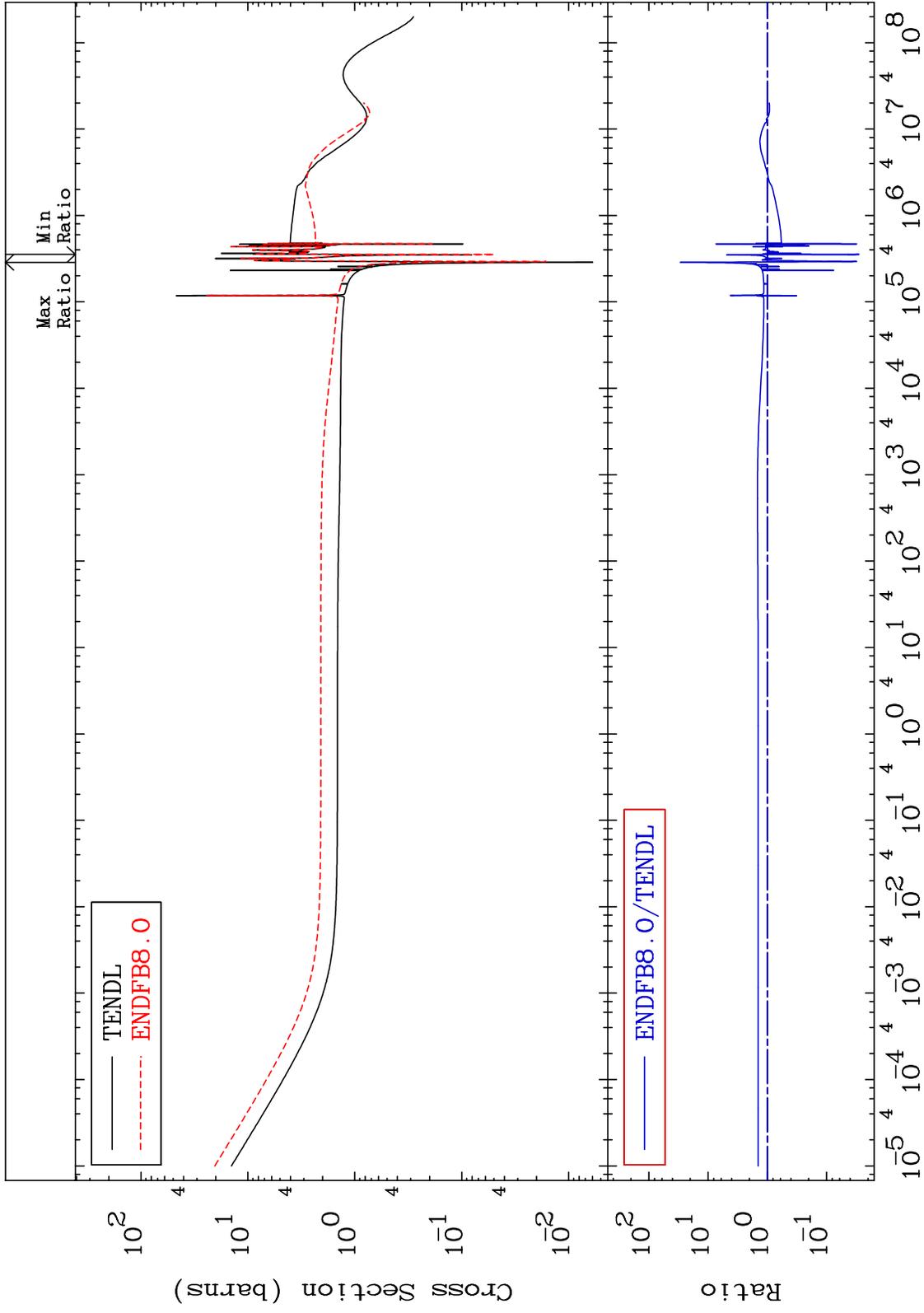
Incident Energy (eV)

1

MAT 1631

Elastic
Cross Section

16-S -34
-97.16 To 2857. %



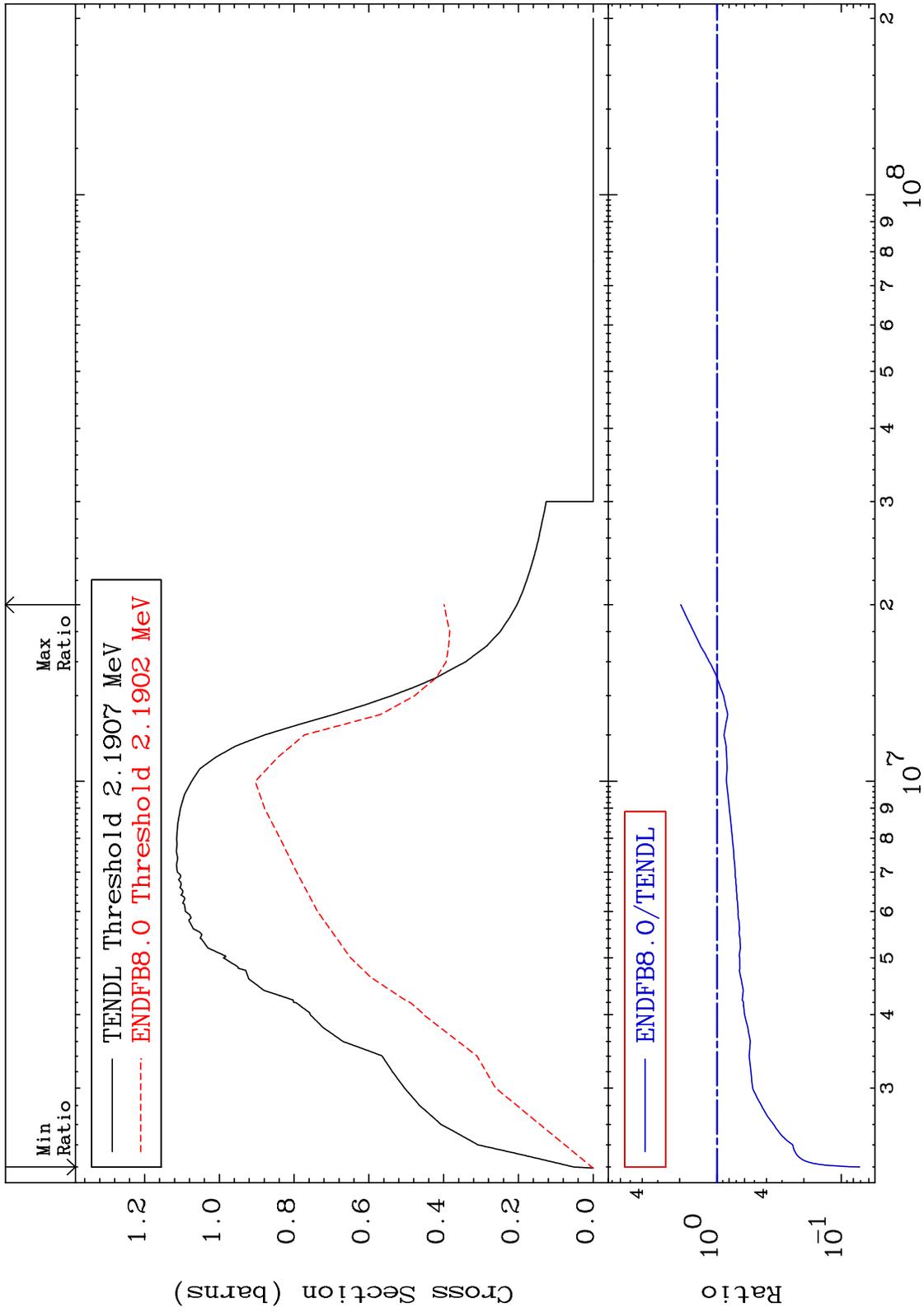
2

Incident Energy (eV)

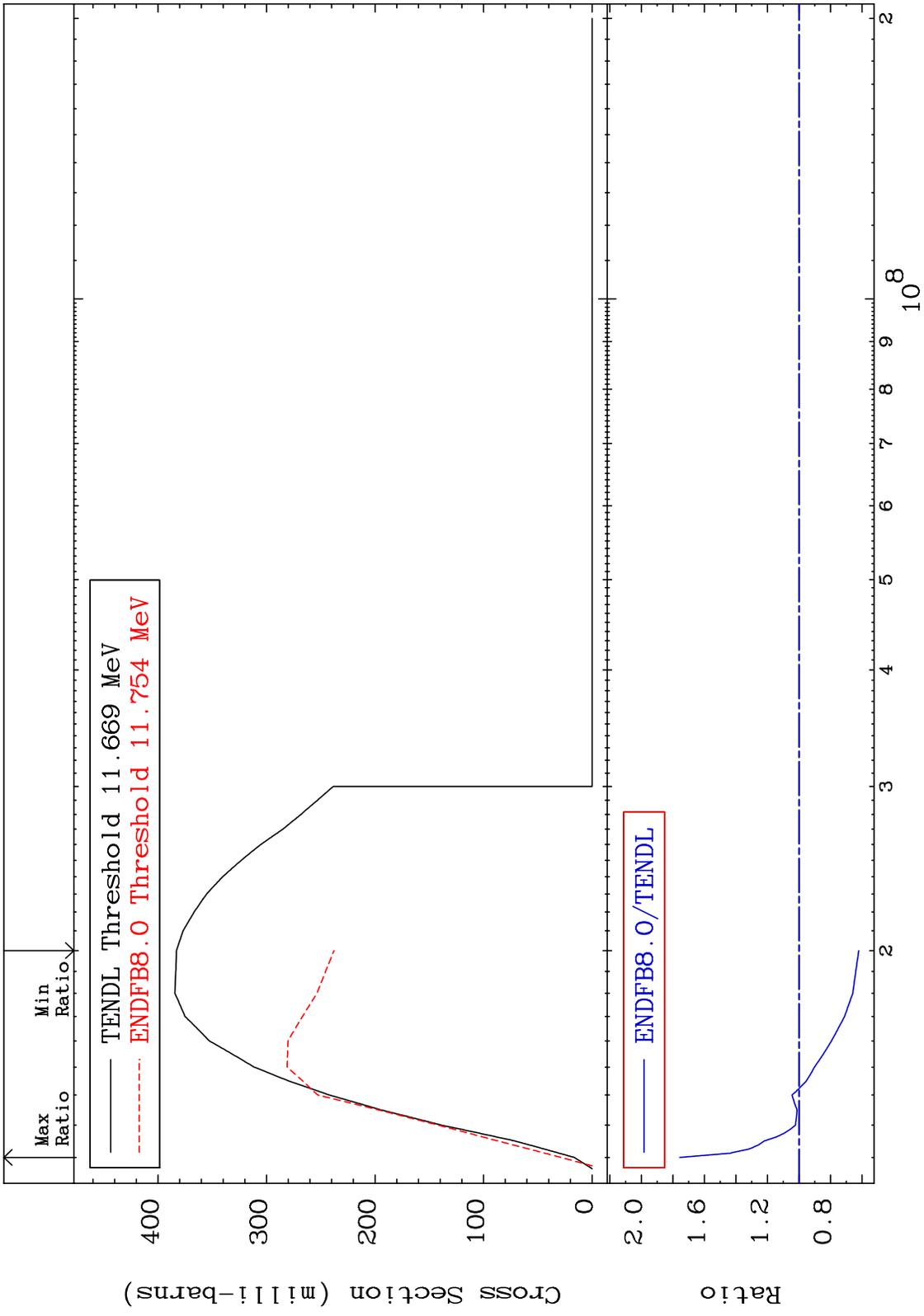
16-S -34

MAT 1631 16-S -34 -92.88 To 95.61 %

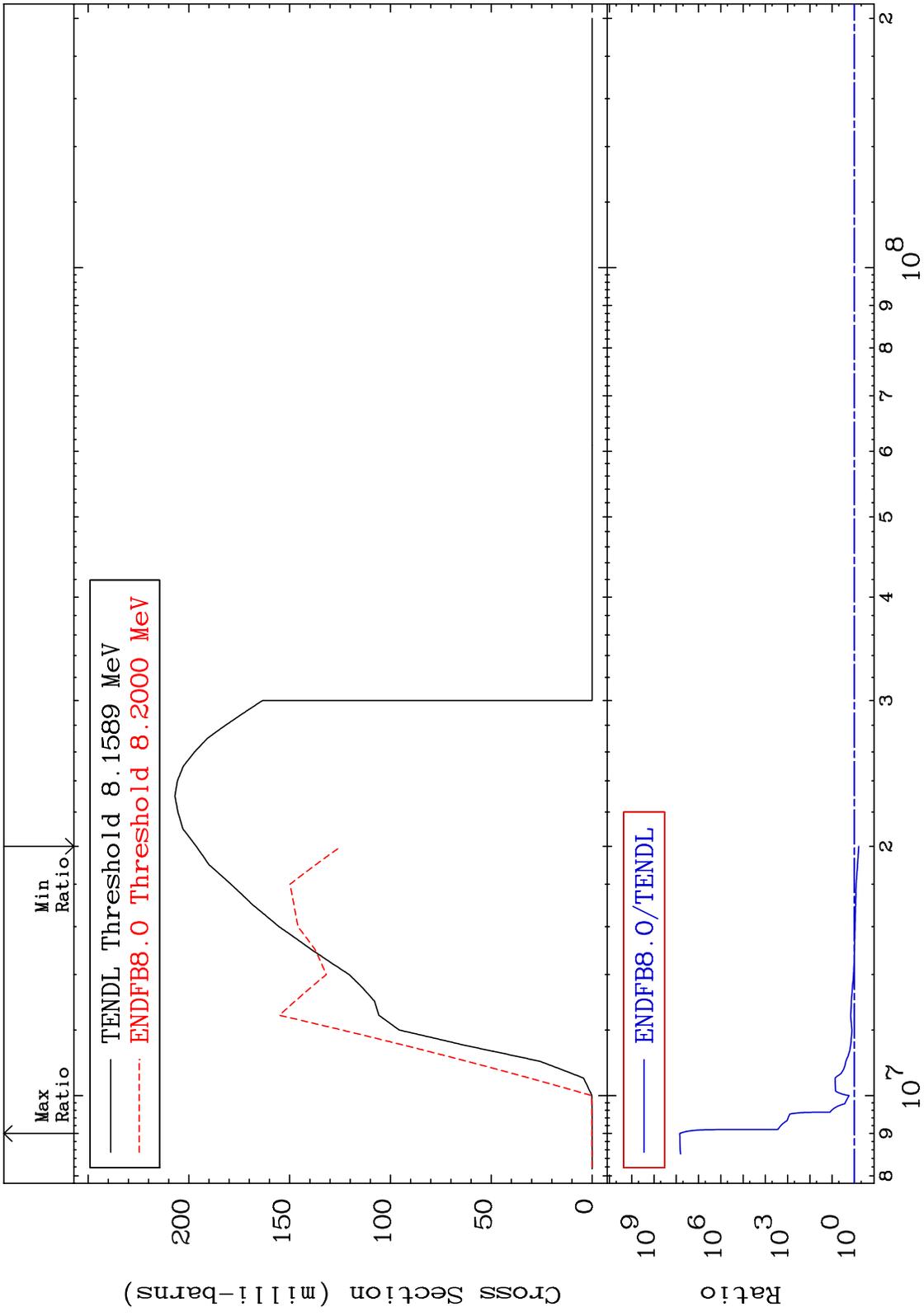
Inelastic Cross Section



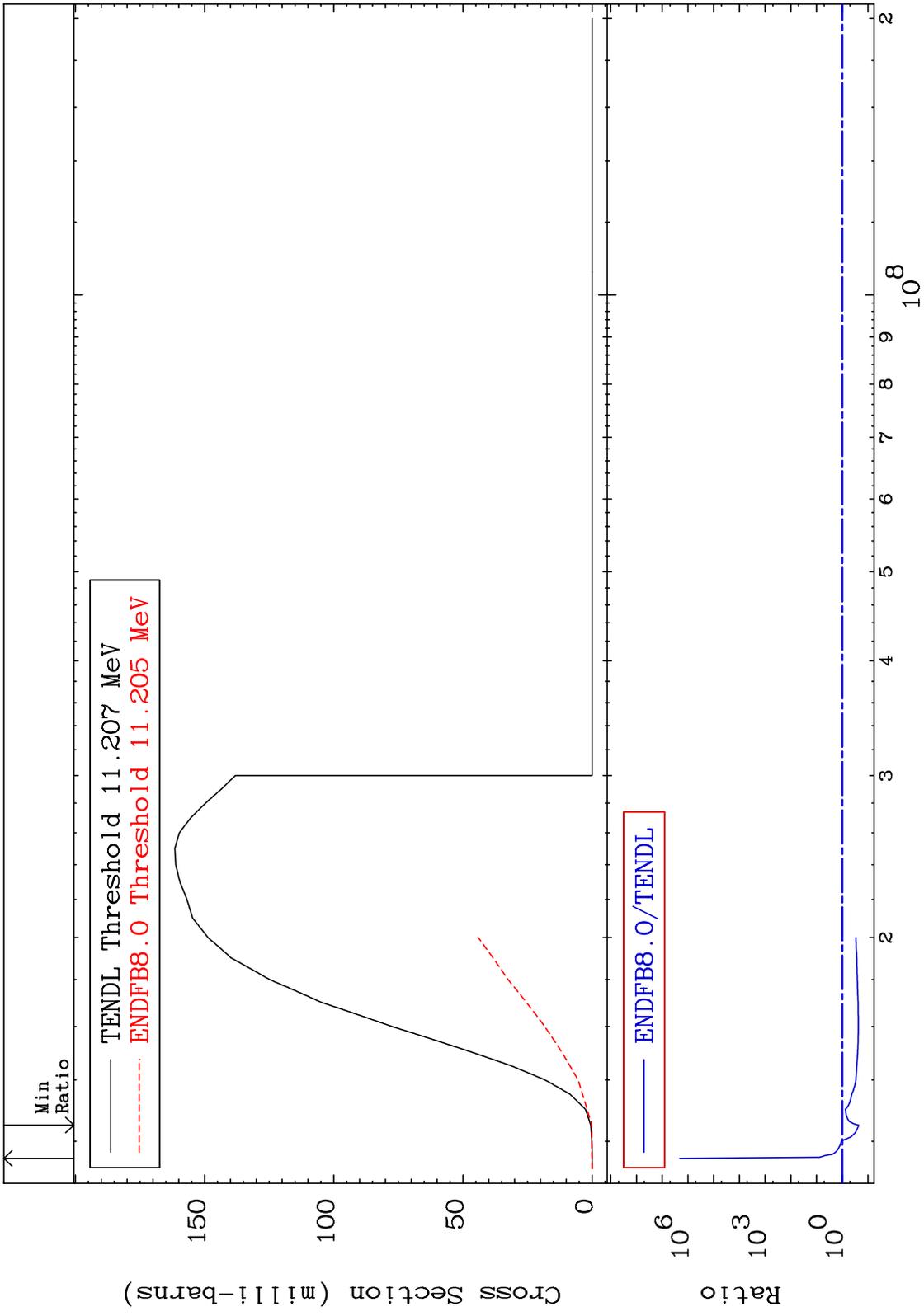
MAT 1631 $(n,2n)$ Cross Section 16-S -34
 -37.91 To 75.66 %



MAT 1631 $(n, n') \alpha$ 16-S -34
 Cross Section -36.63 To 9999. %



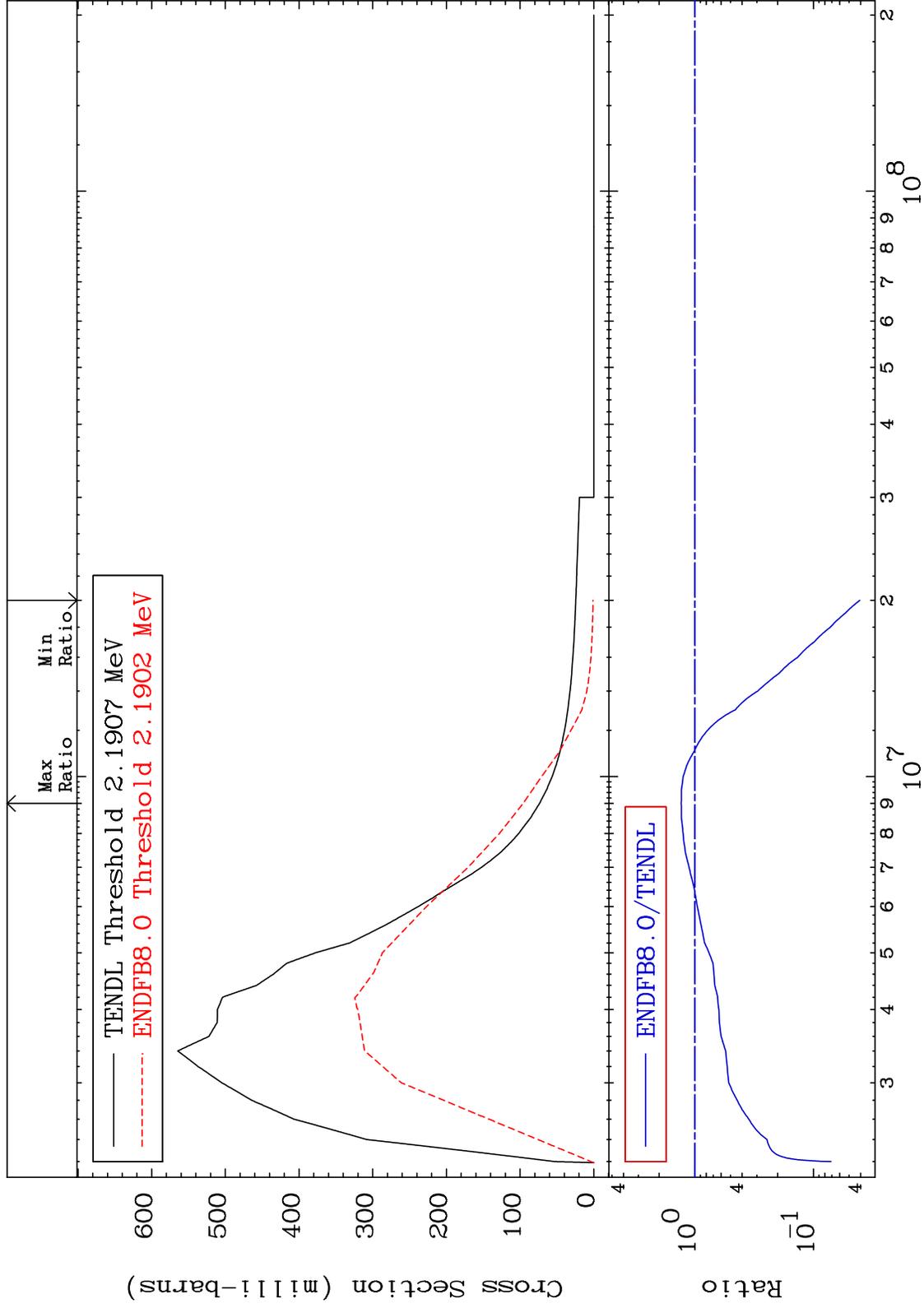
16-S -34



MAT 1631

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

16-S -34
-95.94 To 30.29 %

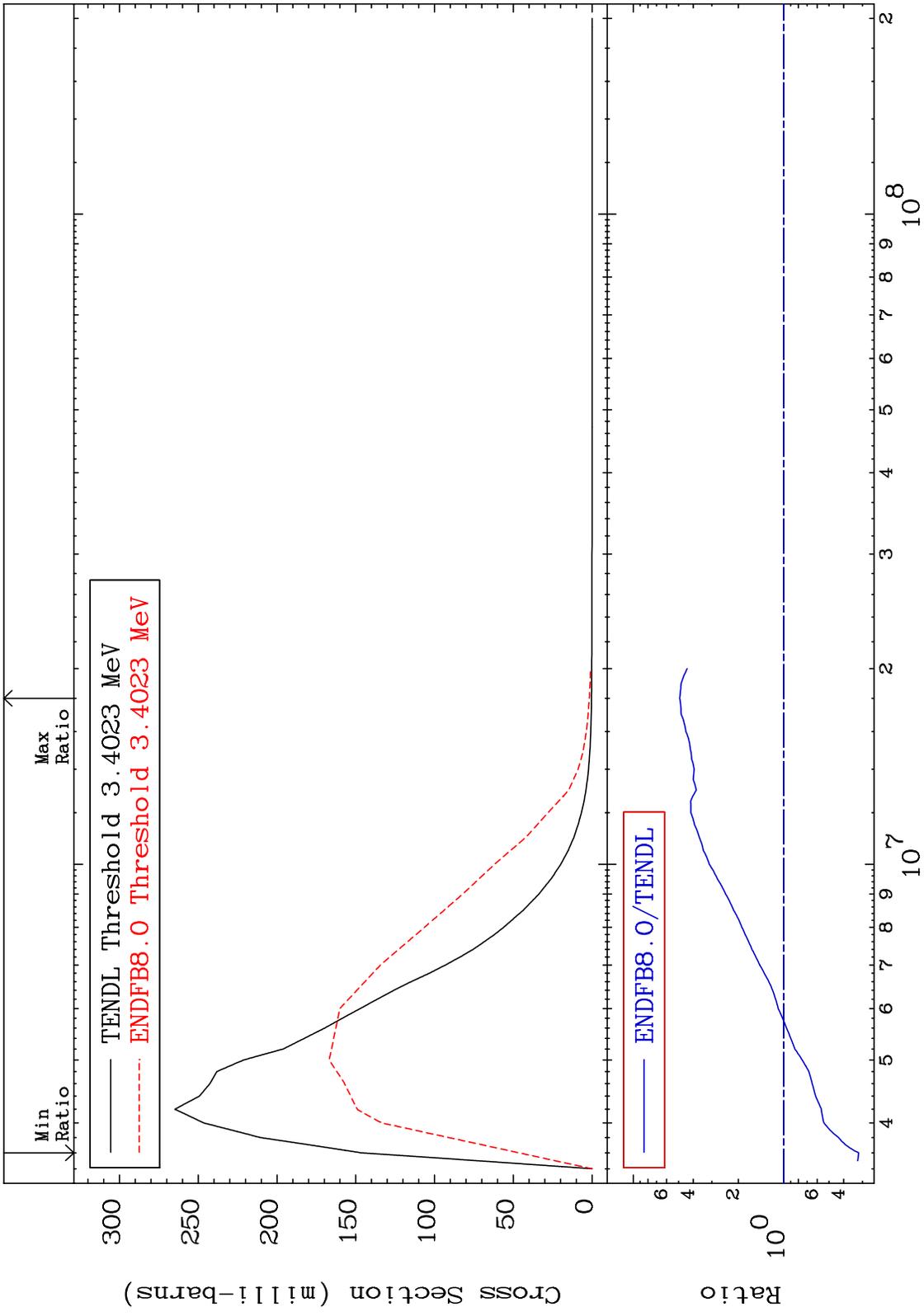


7

Incident Energy (eV)

16-S -34

MAT 1631 MT= 52 (n,n') Level Cross Section -68.28 To 391.0 % 16-S -34

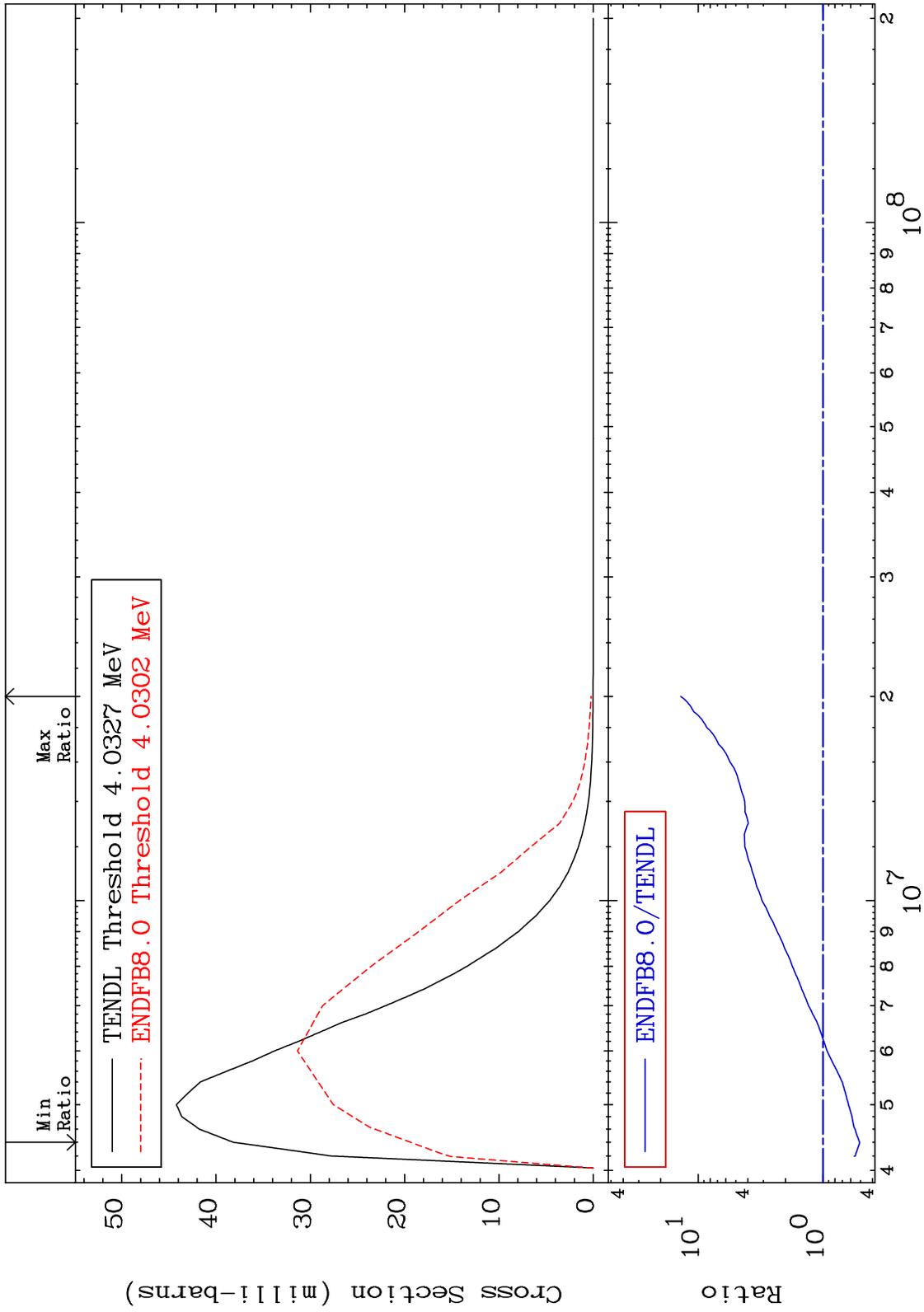


8 Incident Energy (eV) 16-S -34

MAT 1631

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

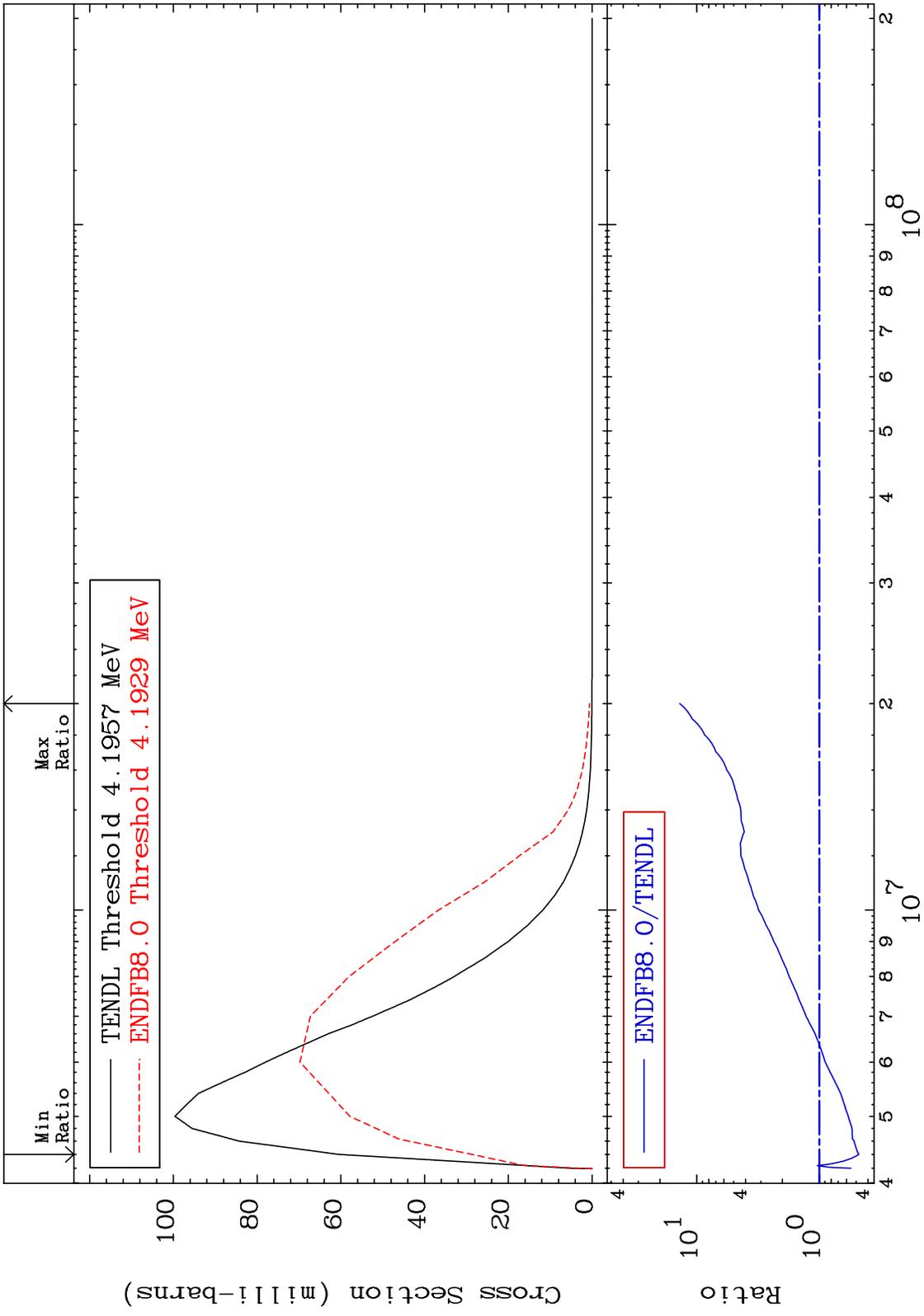
16-S -34
-49.26 To 1279. %



9

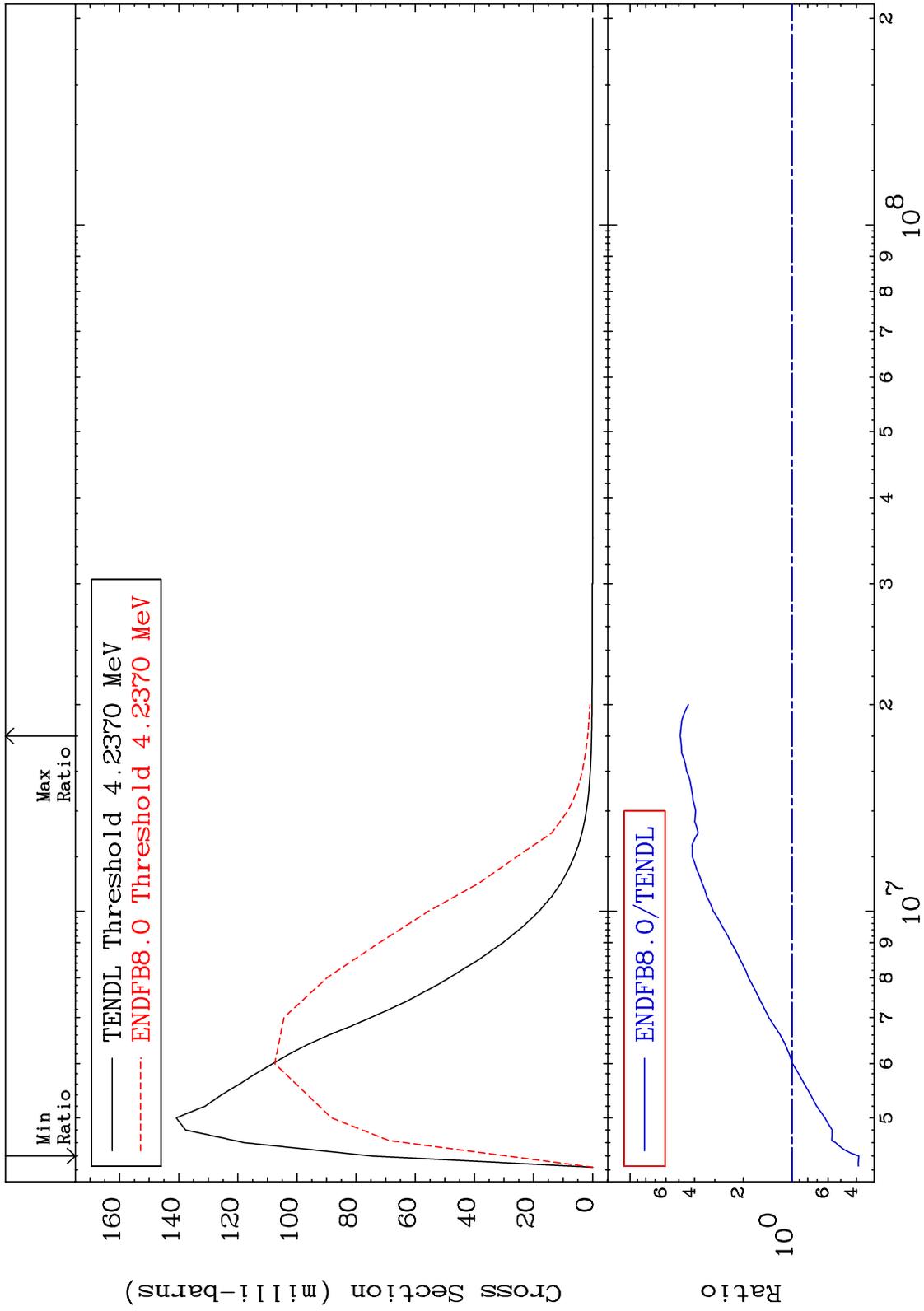
16-S -34

MAT 1631 MT= 54 (n,n') Level Cross Section 16-S -34
 -52.46 To 1279. %



10 Incident Energy (eV) 16-S -34

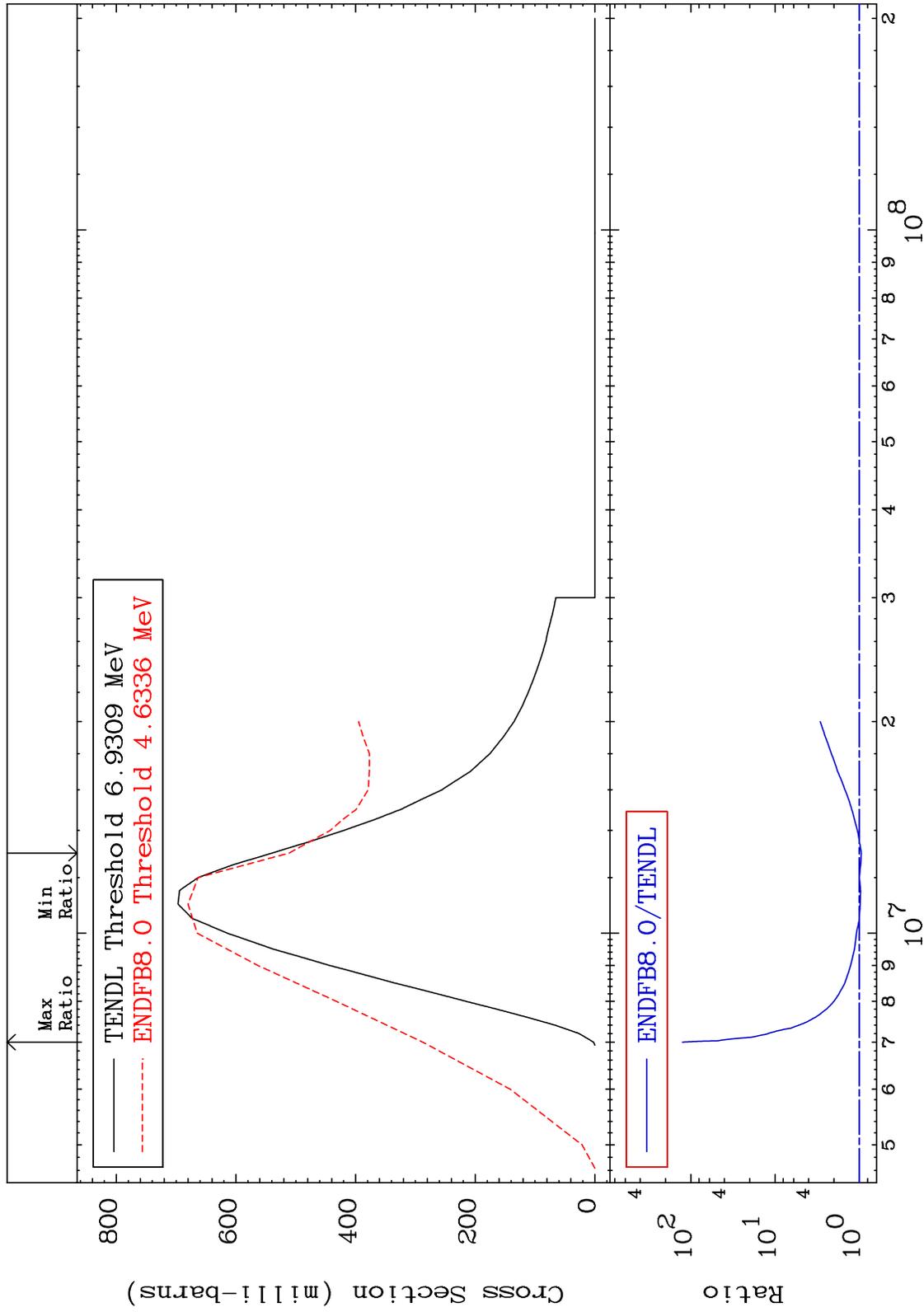
MAT 1631 MT= 55 (n,n') Level Cross Section -61.33 To 390.5 % 16-S -34



MAT 1631

(n,n') Continuum
Cross Section

16-S -34
-5.254 To 9999. %



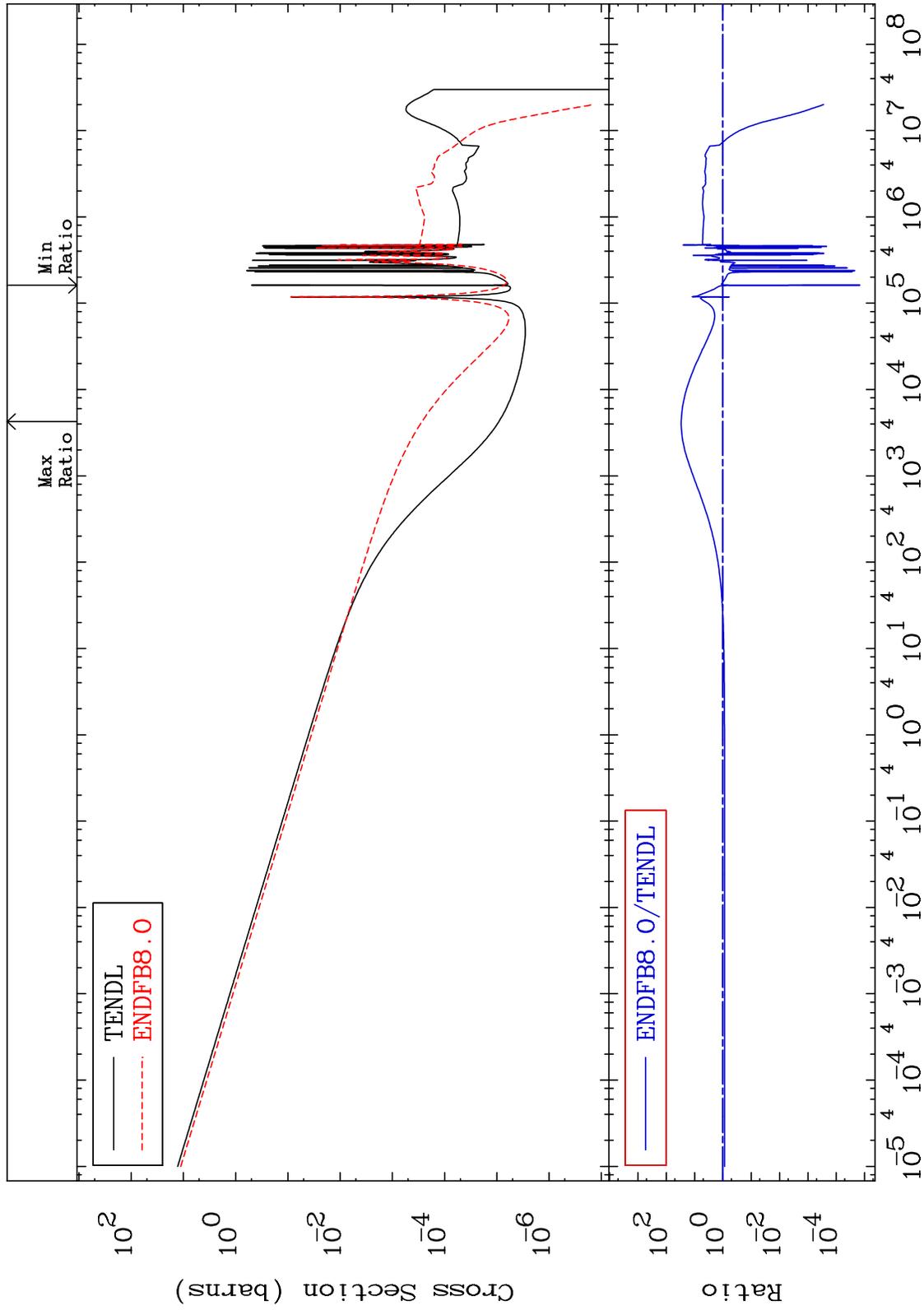
12

MAT 1631

(n, γ)

Cross Section

16-S -34
-100.0 To 2869. %

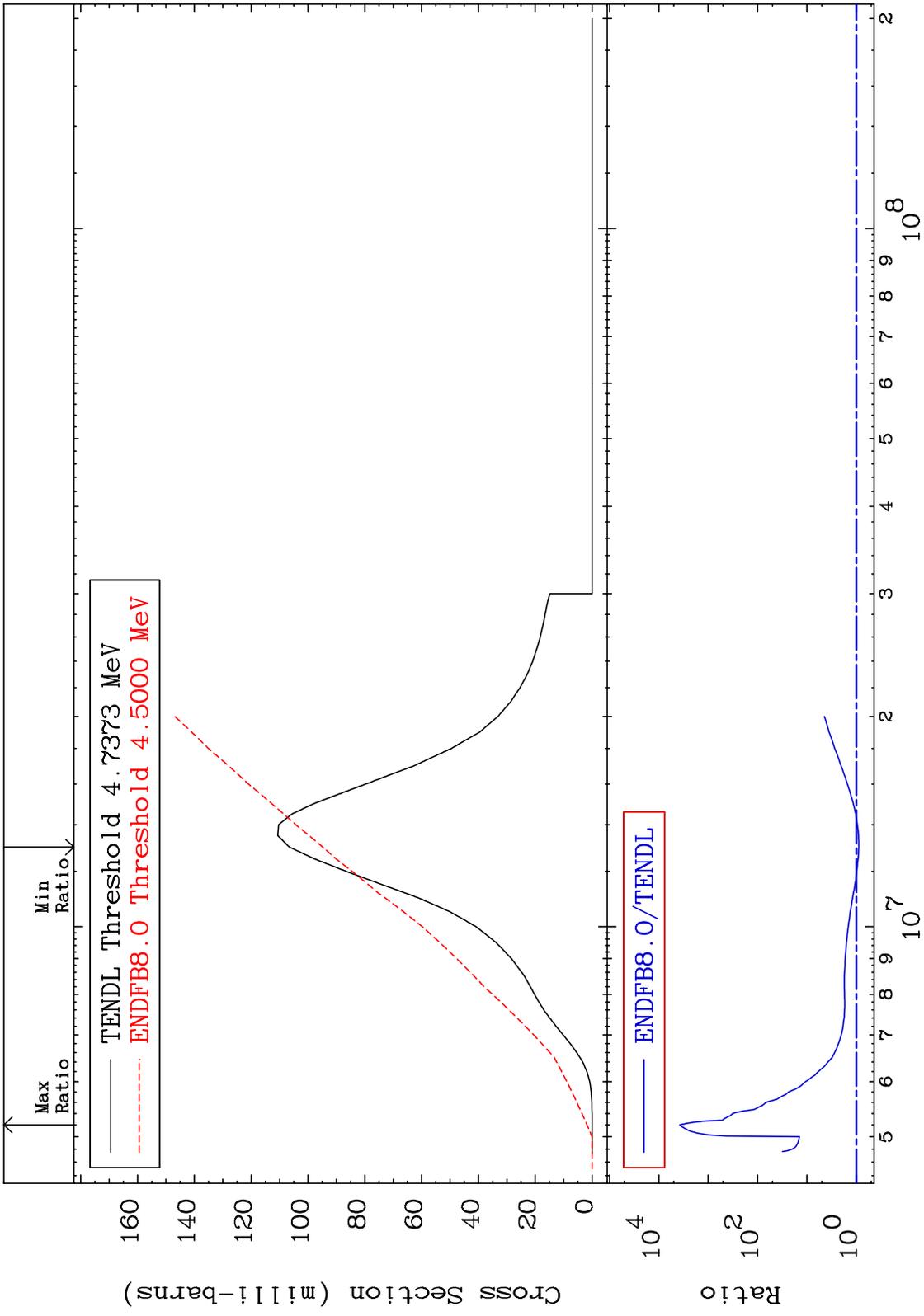


13

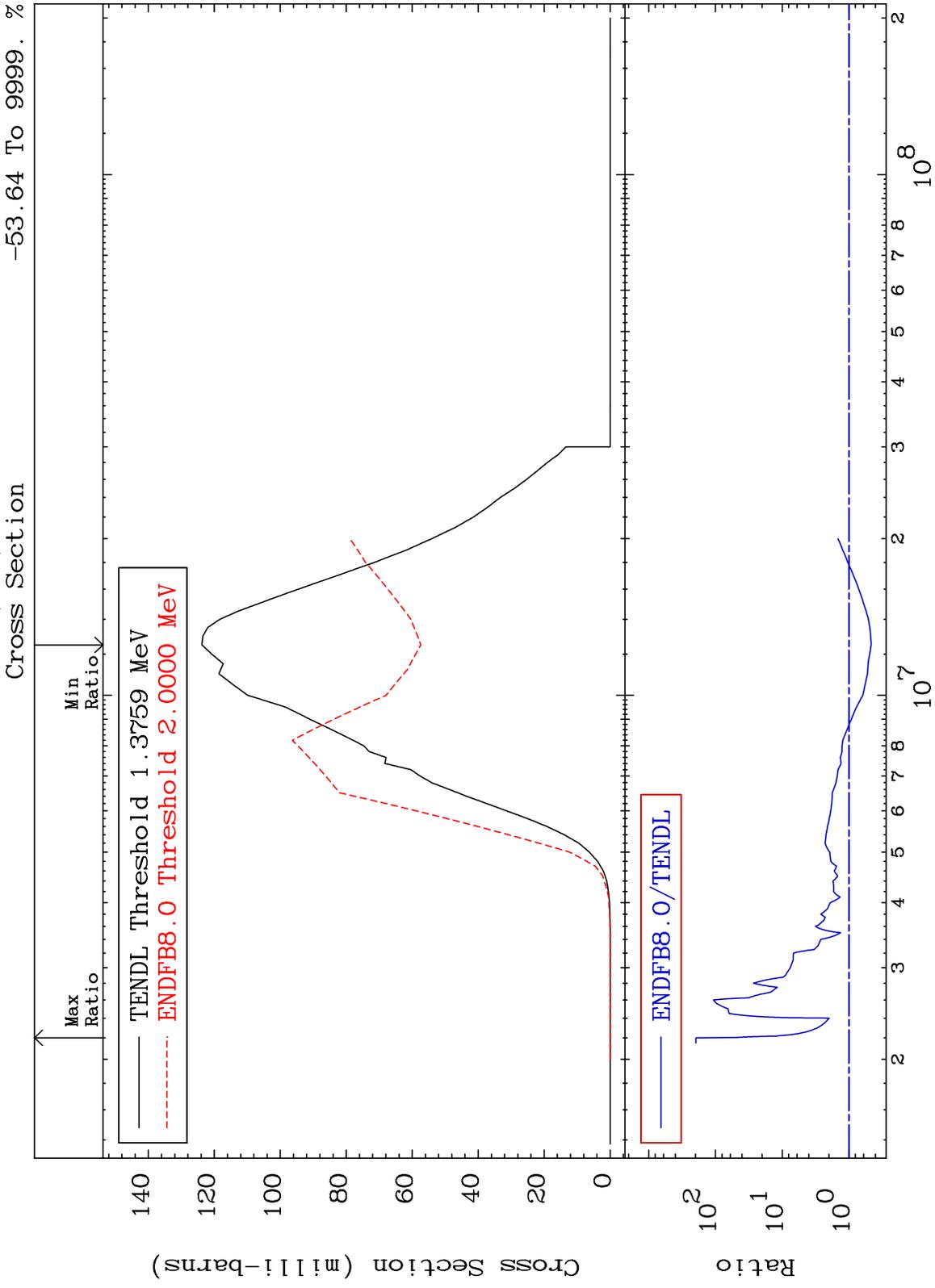
Incident Energy (eV)

16-S -34

MAT 1631 (n,p) 16-S -34
 Cross Section -11.01 To 9999. %



MAT 1631 (n,α) 16-S -34 -53.64 To 9999. %

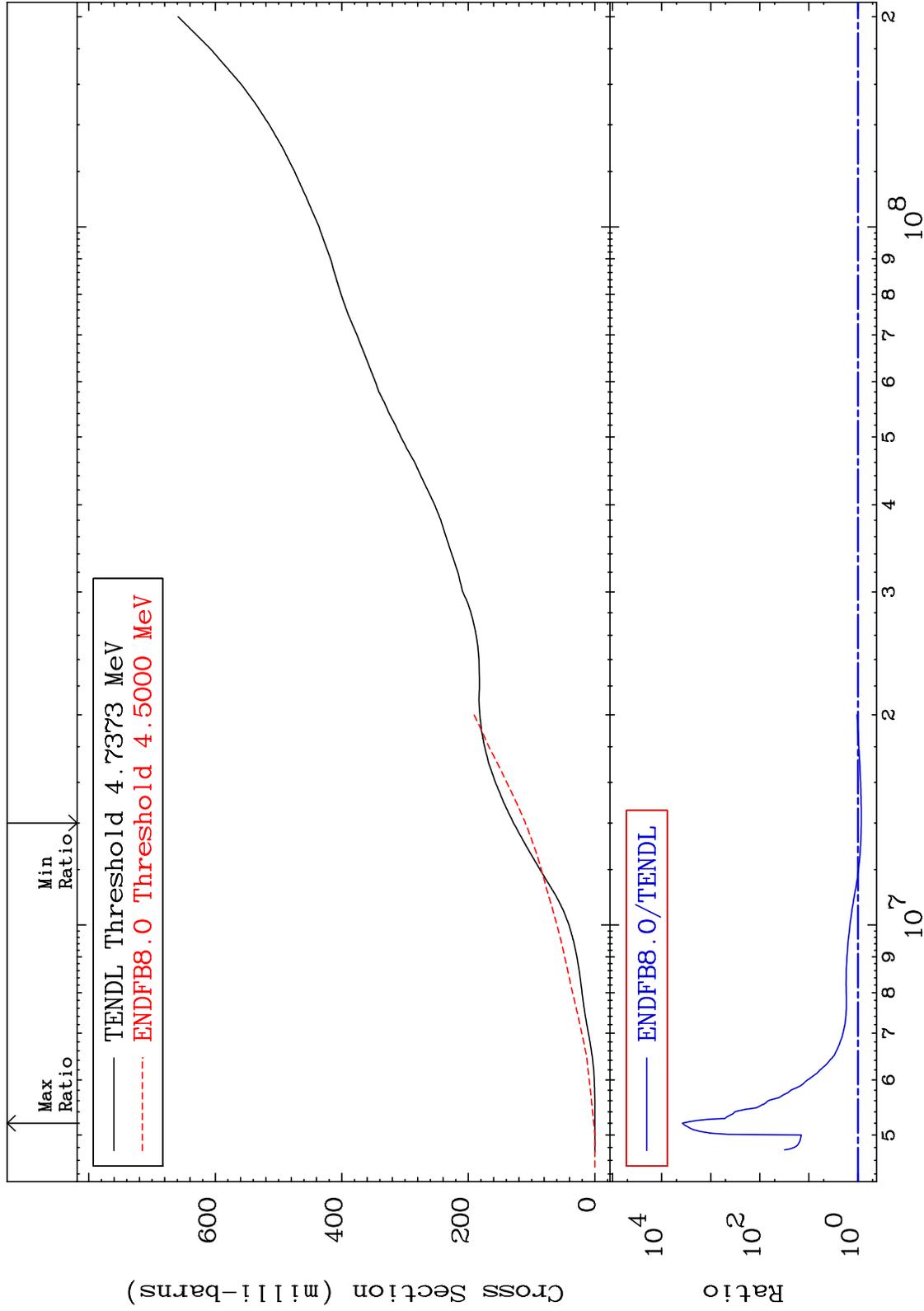


15 16-S -34

MAT 1631

Hydrogen Production
Cross Section

16-S -34
-14.64 To 9999. %



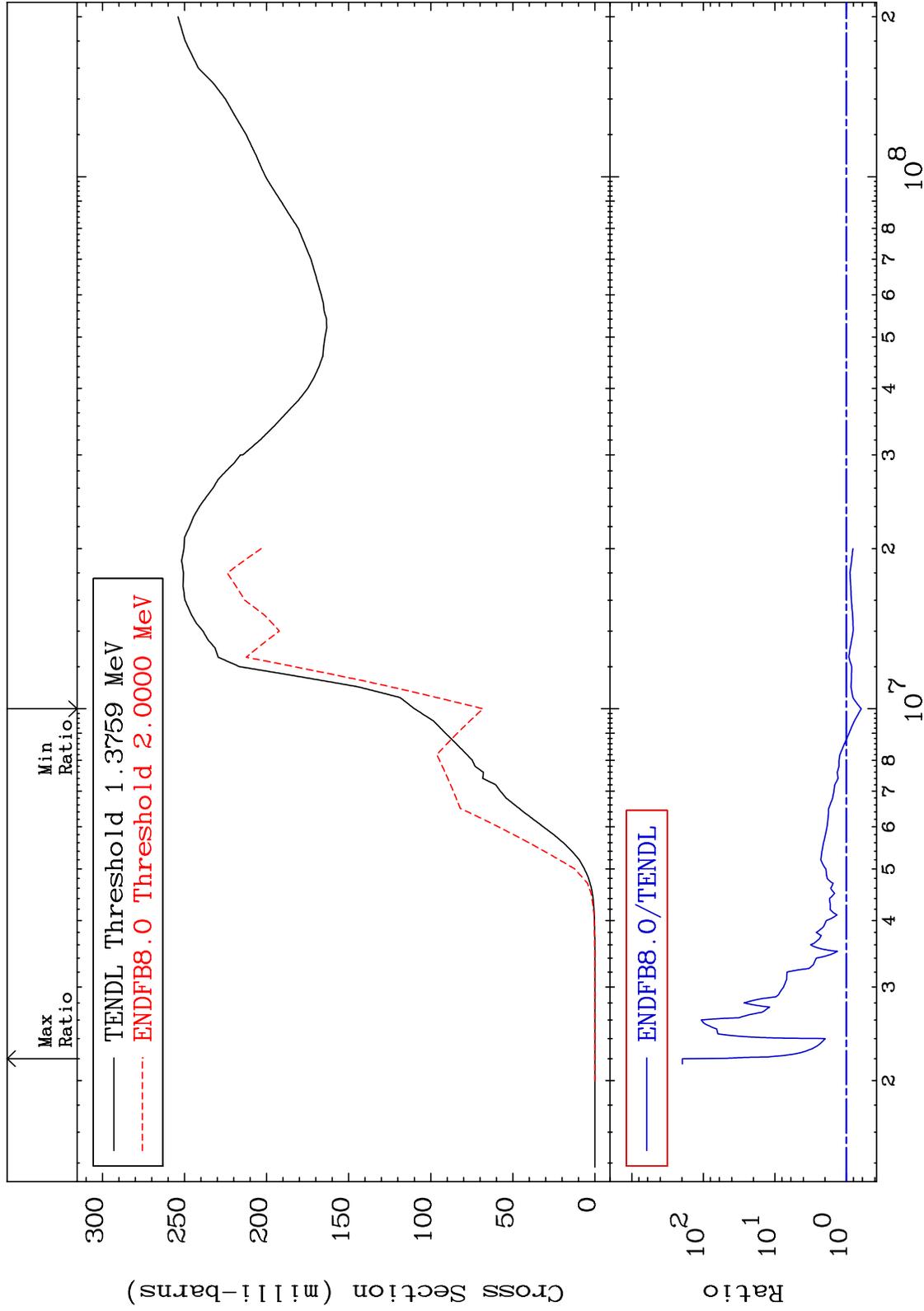
16

16-S -34

MAT 1631

He-4 Production
Cross Section

16-S -34
-38.07 To 9999. %



17

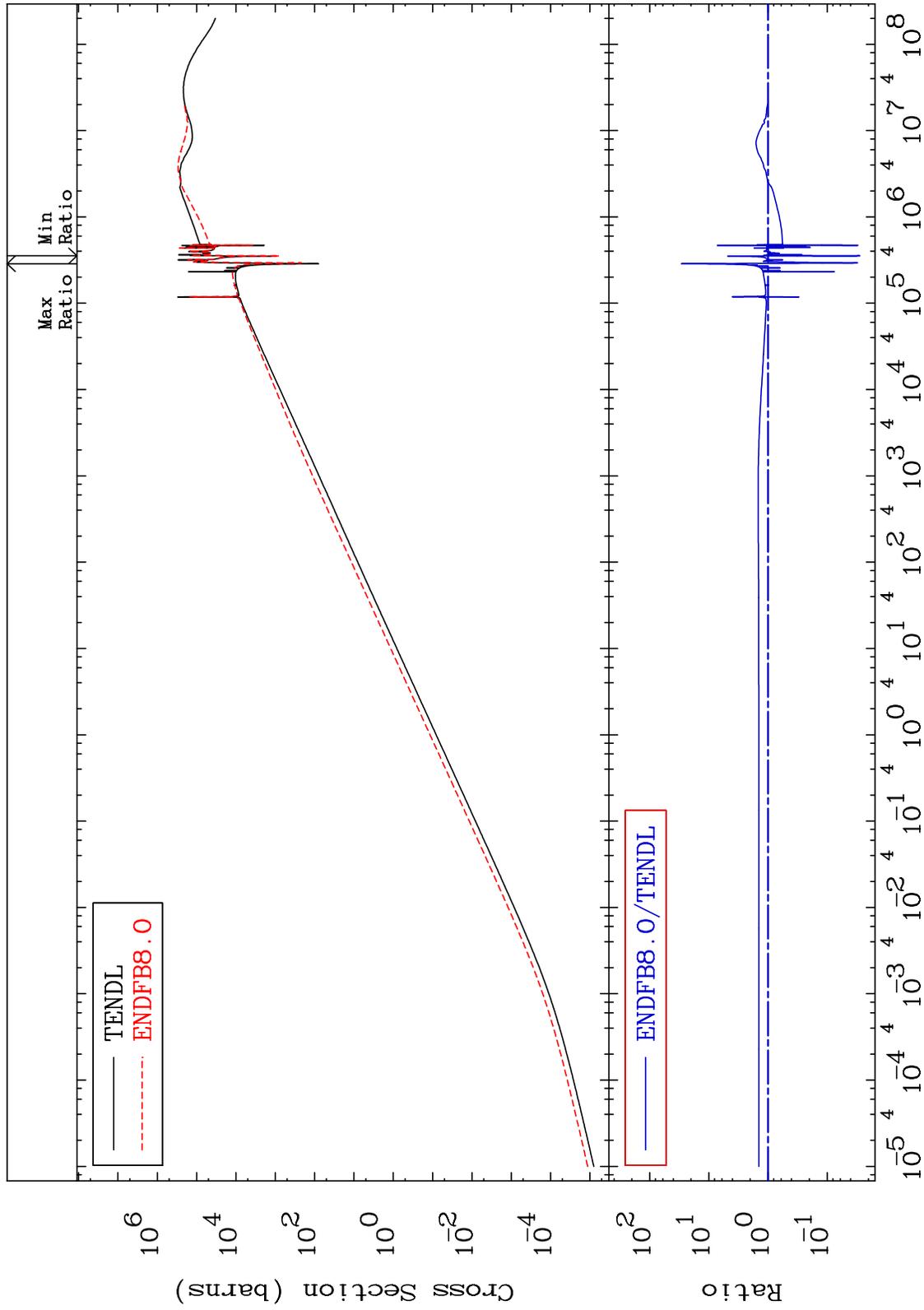
Incident Energy (eV)

16-S -34

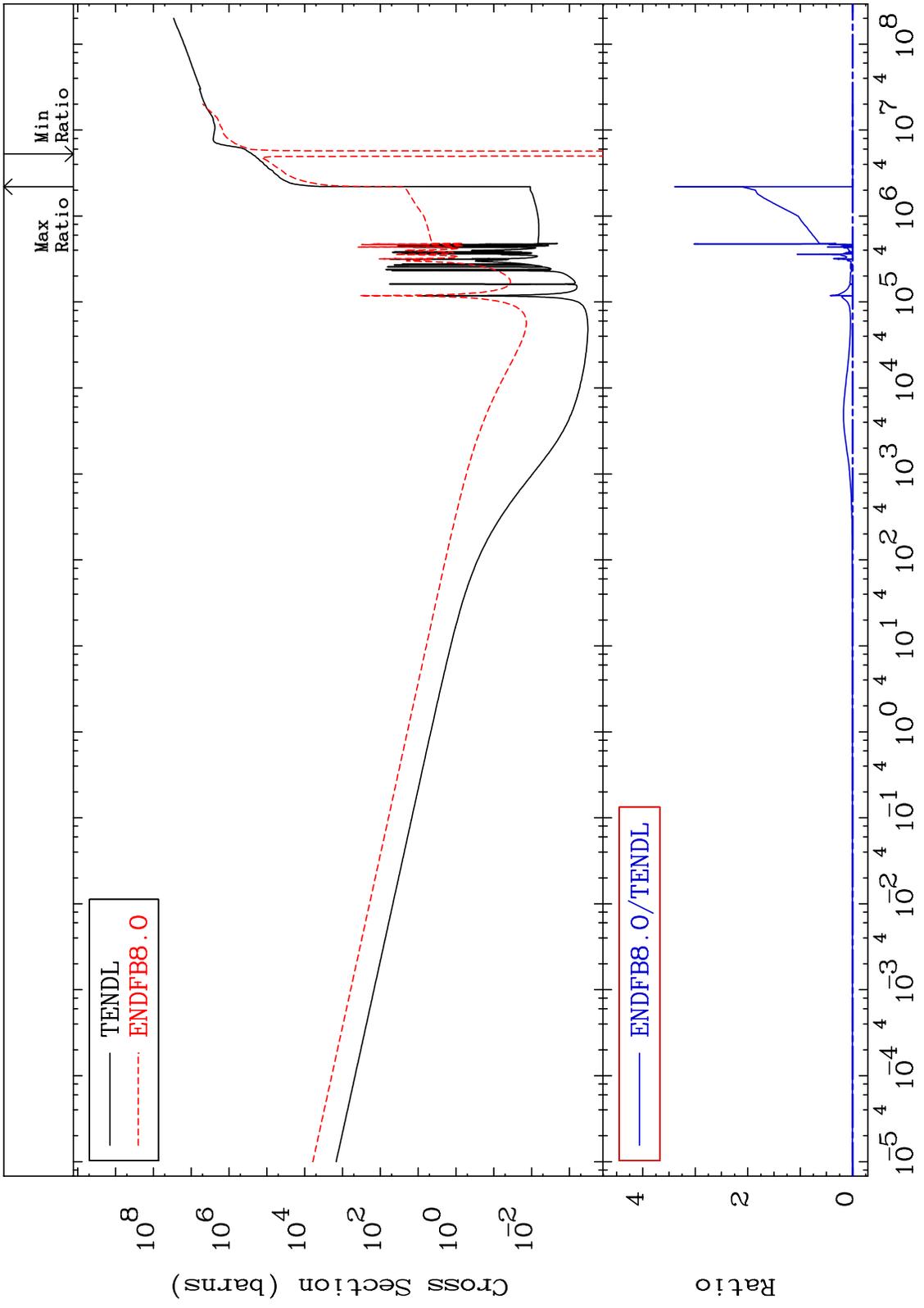
MAT 1631

Kerma elastic
Cross Section

16-S -34
-97.19 To 2827. %



MAT 1631 Kerma non-elastic (all but mt2) 16-S -34
 Cross Section -147.7 To 9999. %

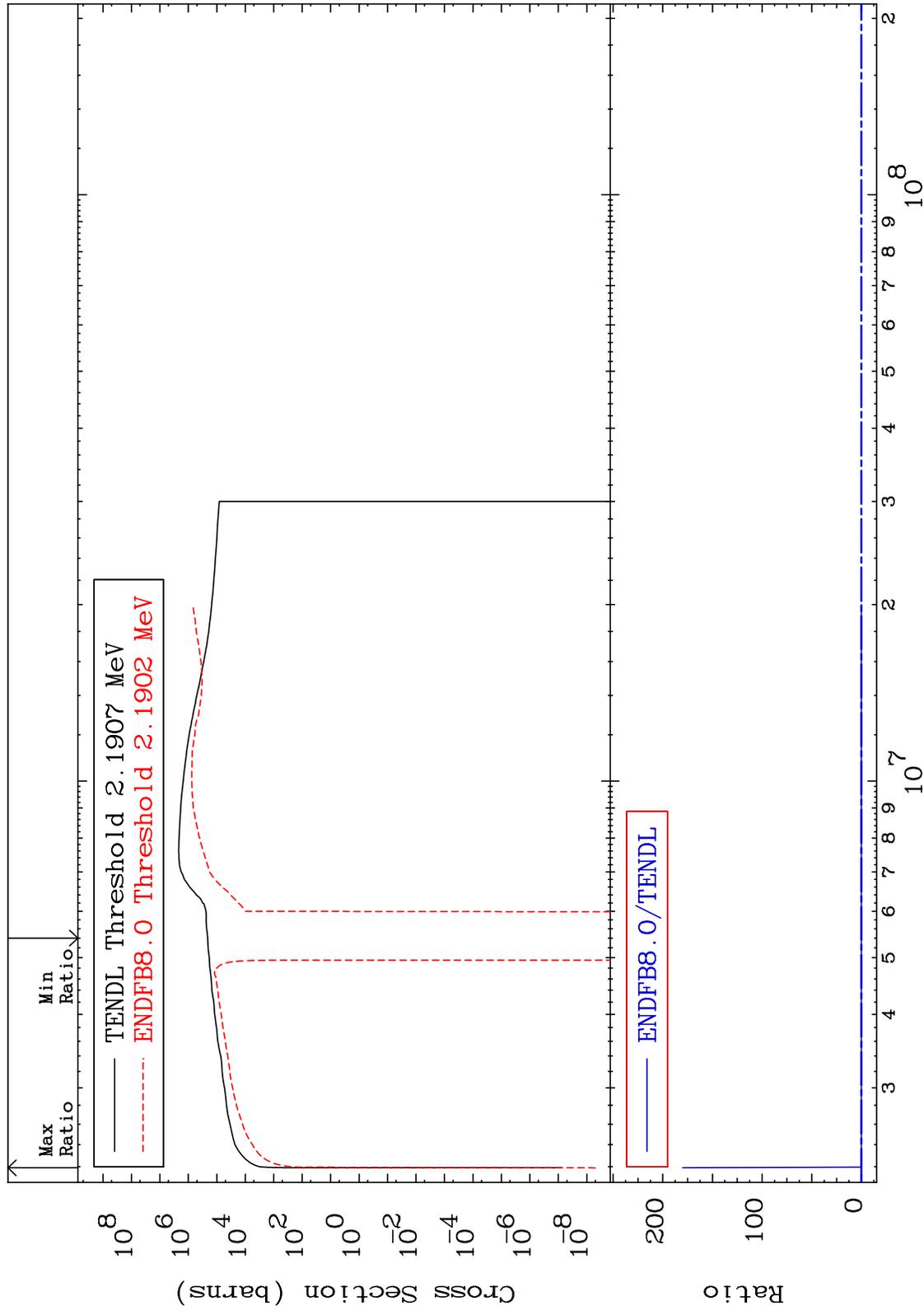


20 Incident Energy (eV) 16-S -34

MAT 1631

Kerma inelastic (mt51-91)
Cross Section

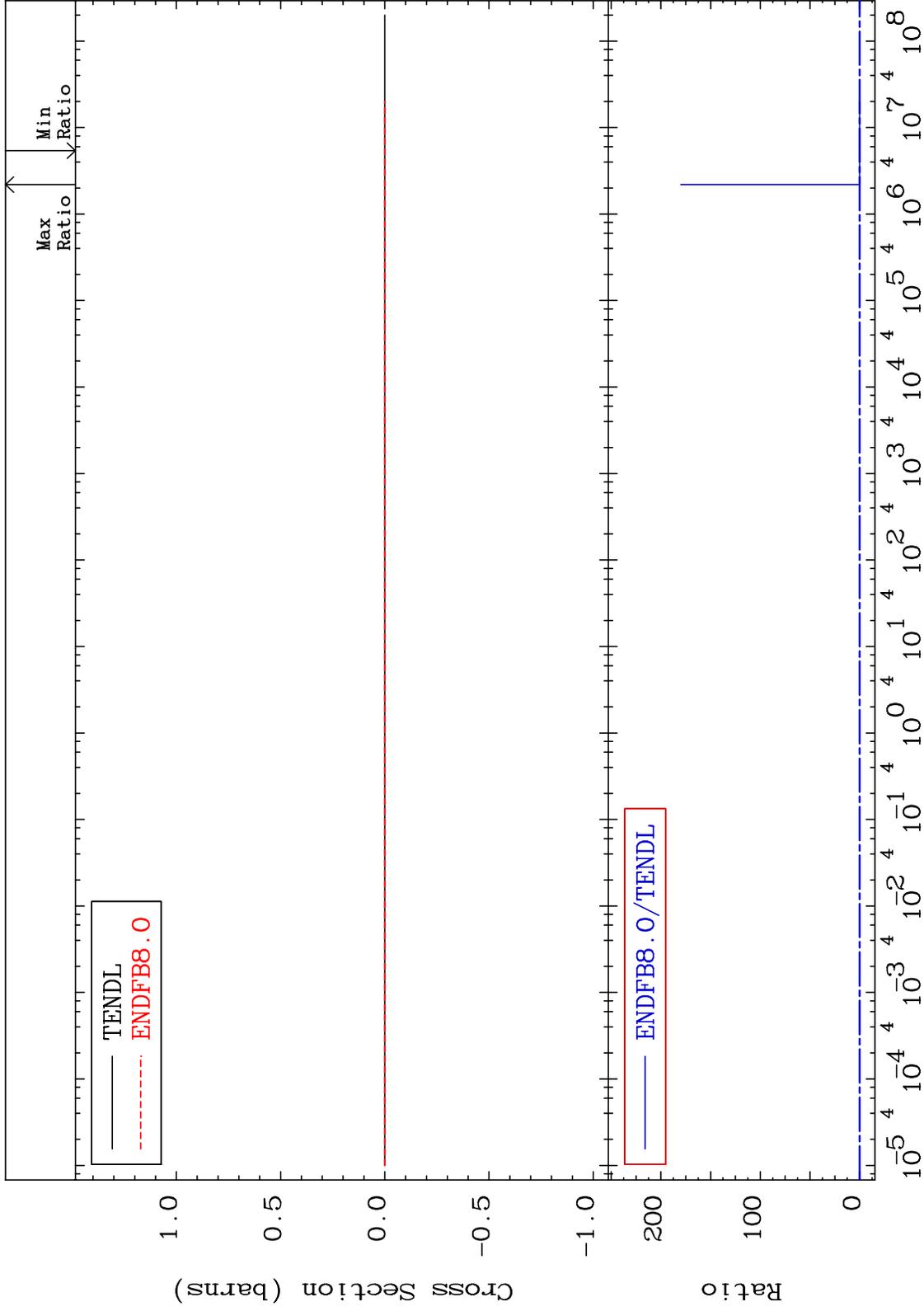
16-S -34
-215.9 To 9999. %



MAT 1631

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

16-S -34
-215.9 To 9999. %



22

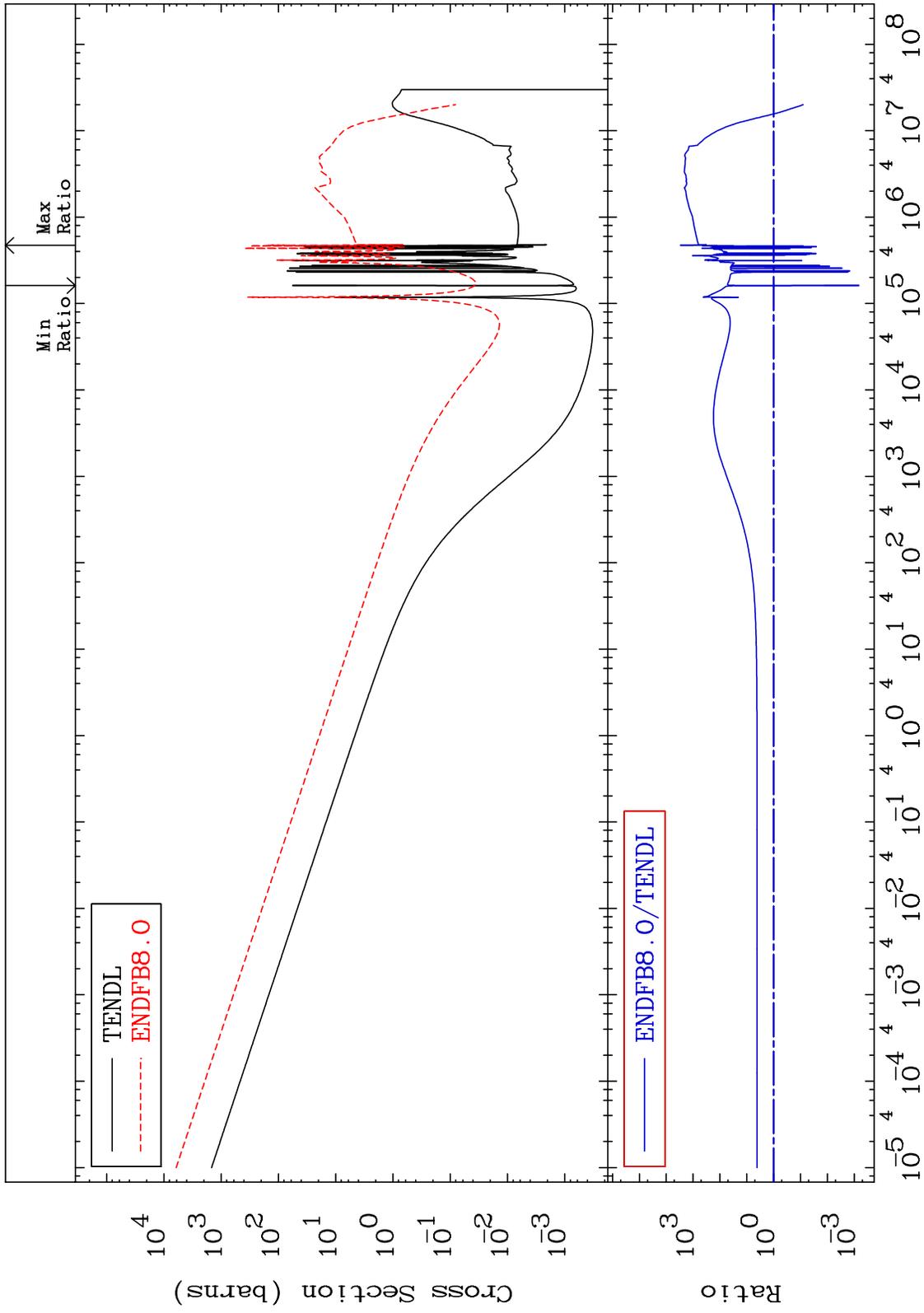
Incident Energy (eV)

16-S -34

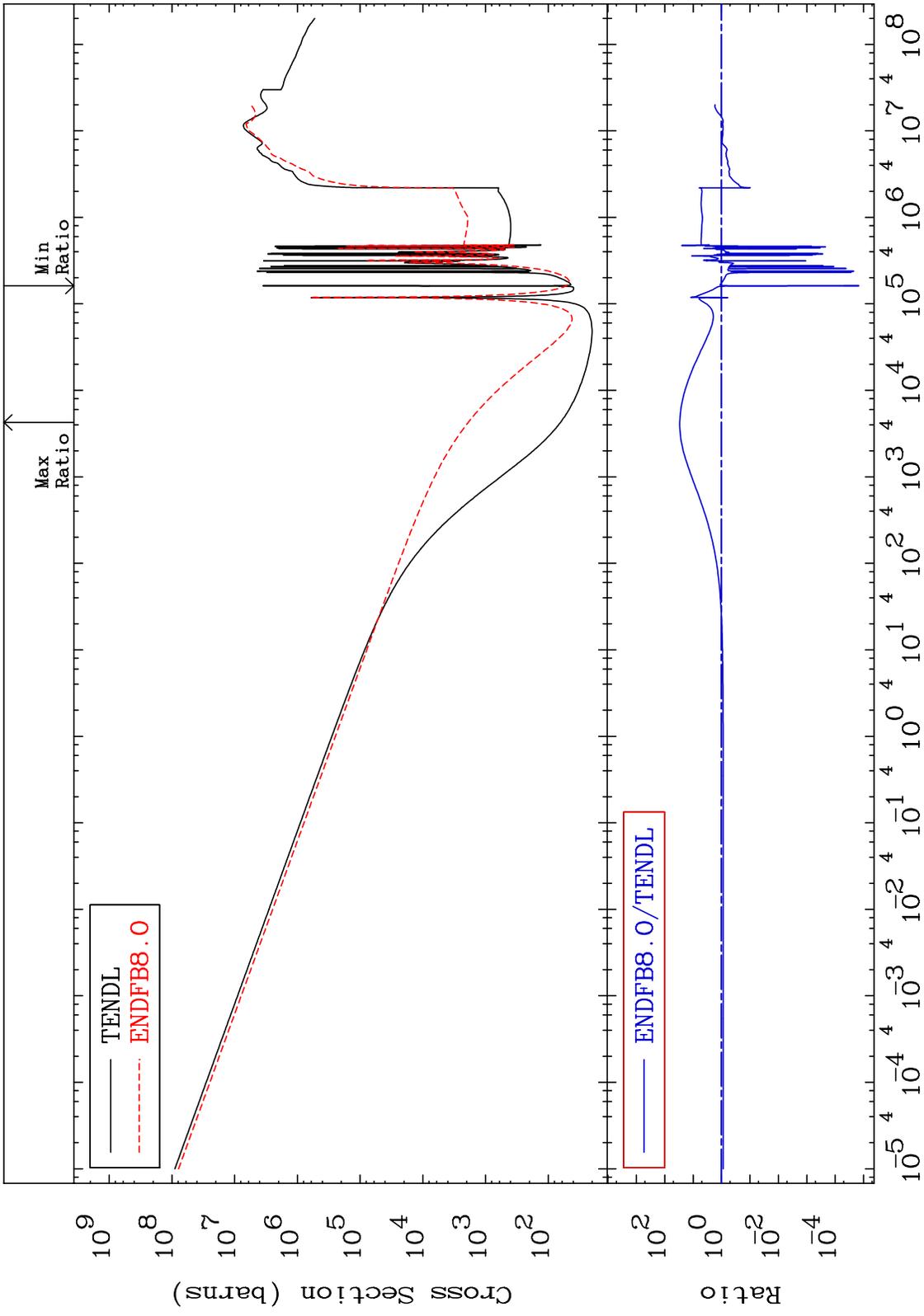
MAT 1631

Kerma capture (mt102)
Cross Section

16-S -34
-99.93 To 9999. %

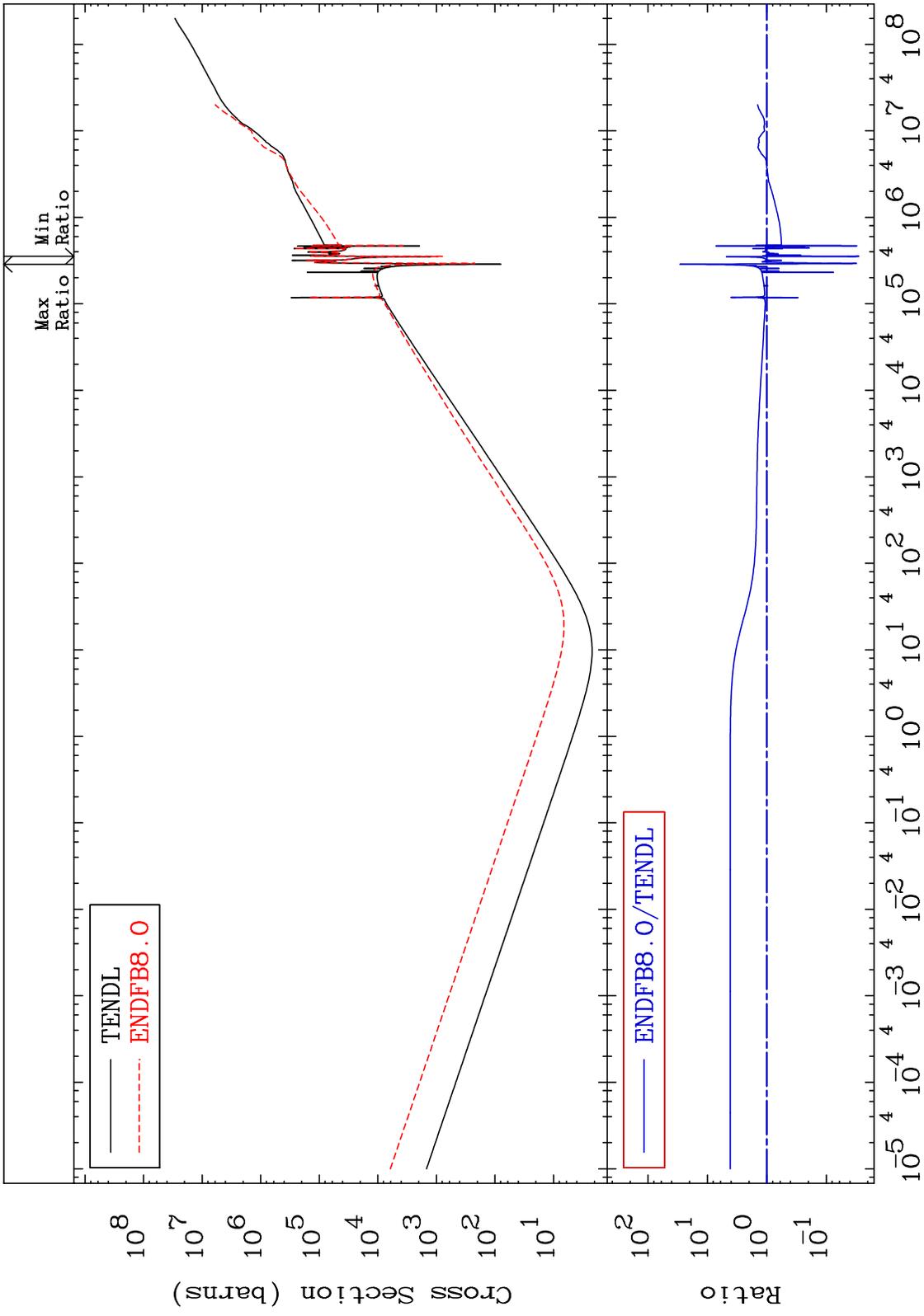


MAT 1631 16-S -34
 Total photon (eV-barns)
 Cross Section -100.0 To 2870. %



Incident Energy (eV) 16-S -34

MAT 1631 Total kinematic kerma (high limit) Cross Section 16-S -34
 -97.16 To 2827. %

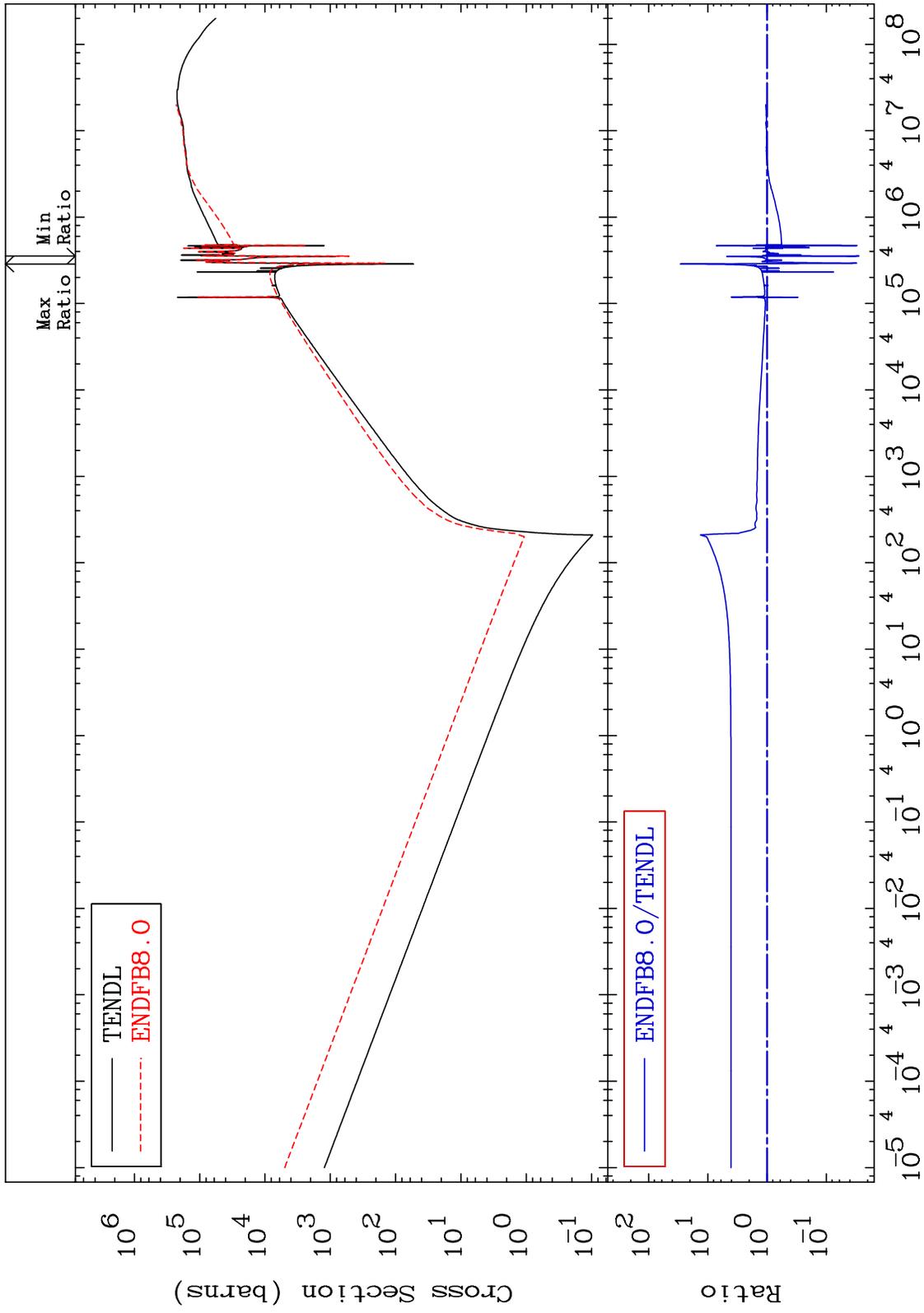


25 16-S -34

MAT 1631

Dpa total (eV-barns)
Cross Section

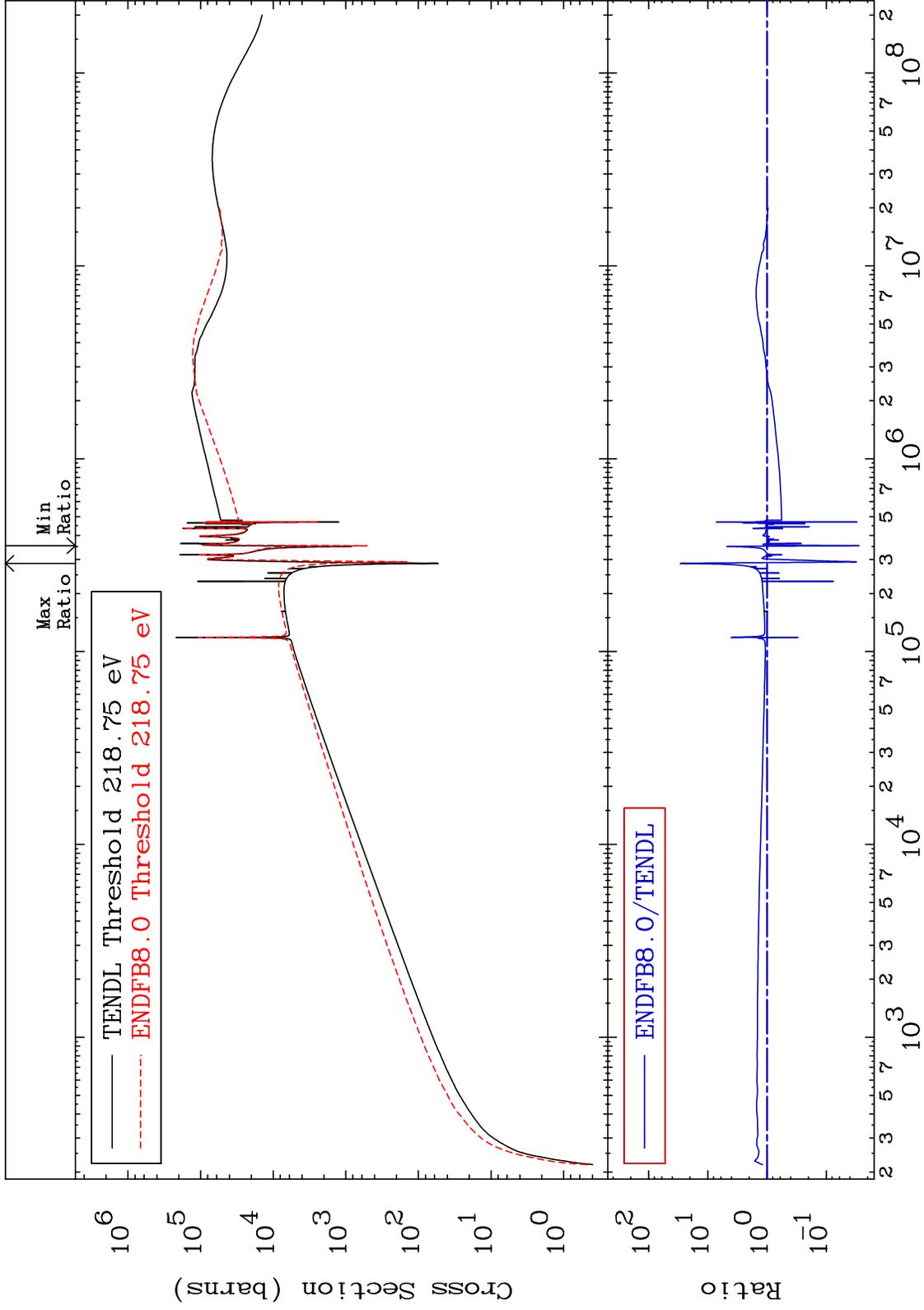
16-S -34
-97.18 To 2832. %



MAT 1631

Dpa elastic (mt2)
Cross Section

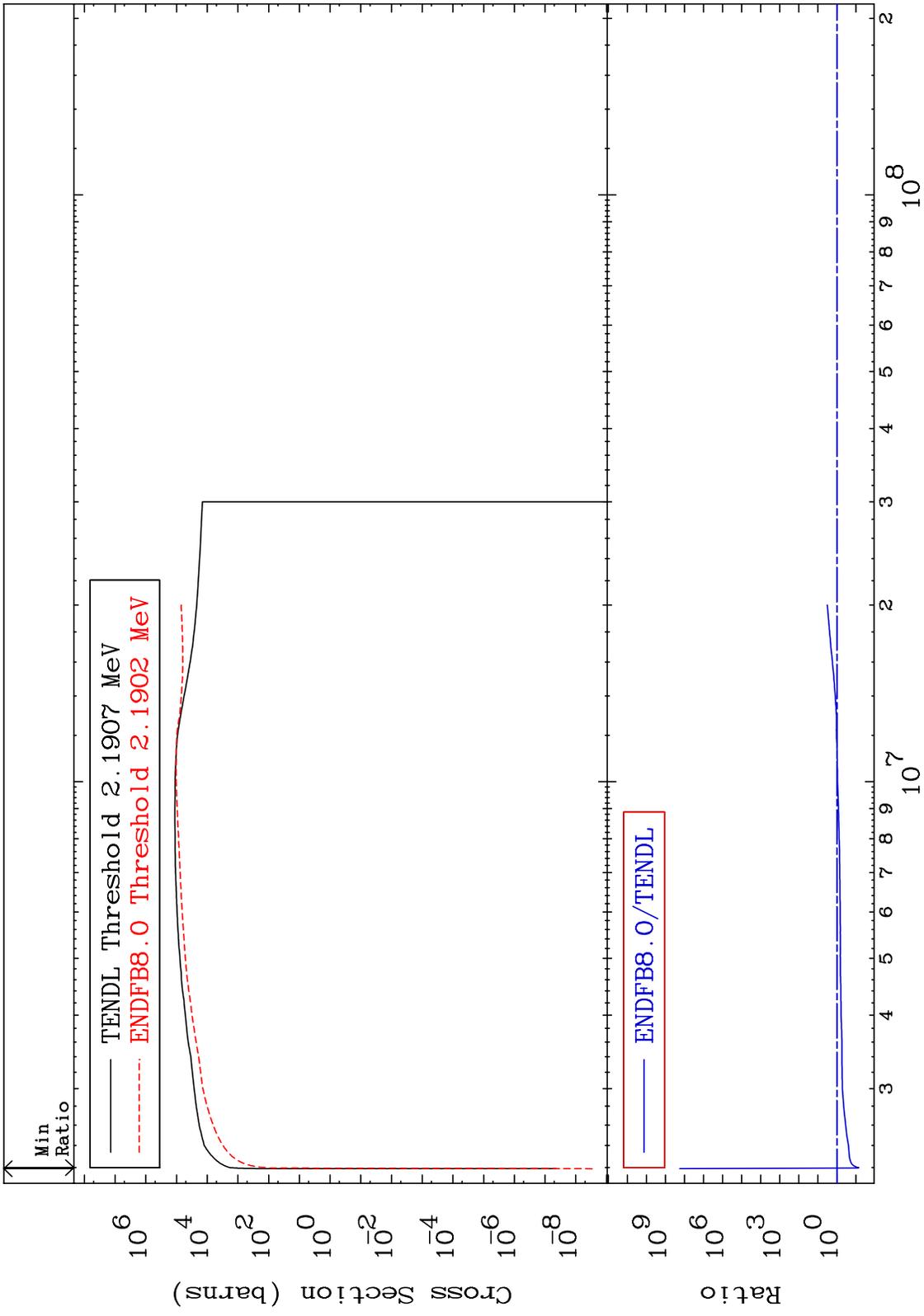
16-S -34
-97.19 To 2834. %



27

Incident Energy (eV)

16-S -34



MAT 1631

Dpa disappearance (mt102 -120)
Cross Section

16-S -34
-99.99 To 9999. %

