

Program Complot
(Version 2021-1)

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

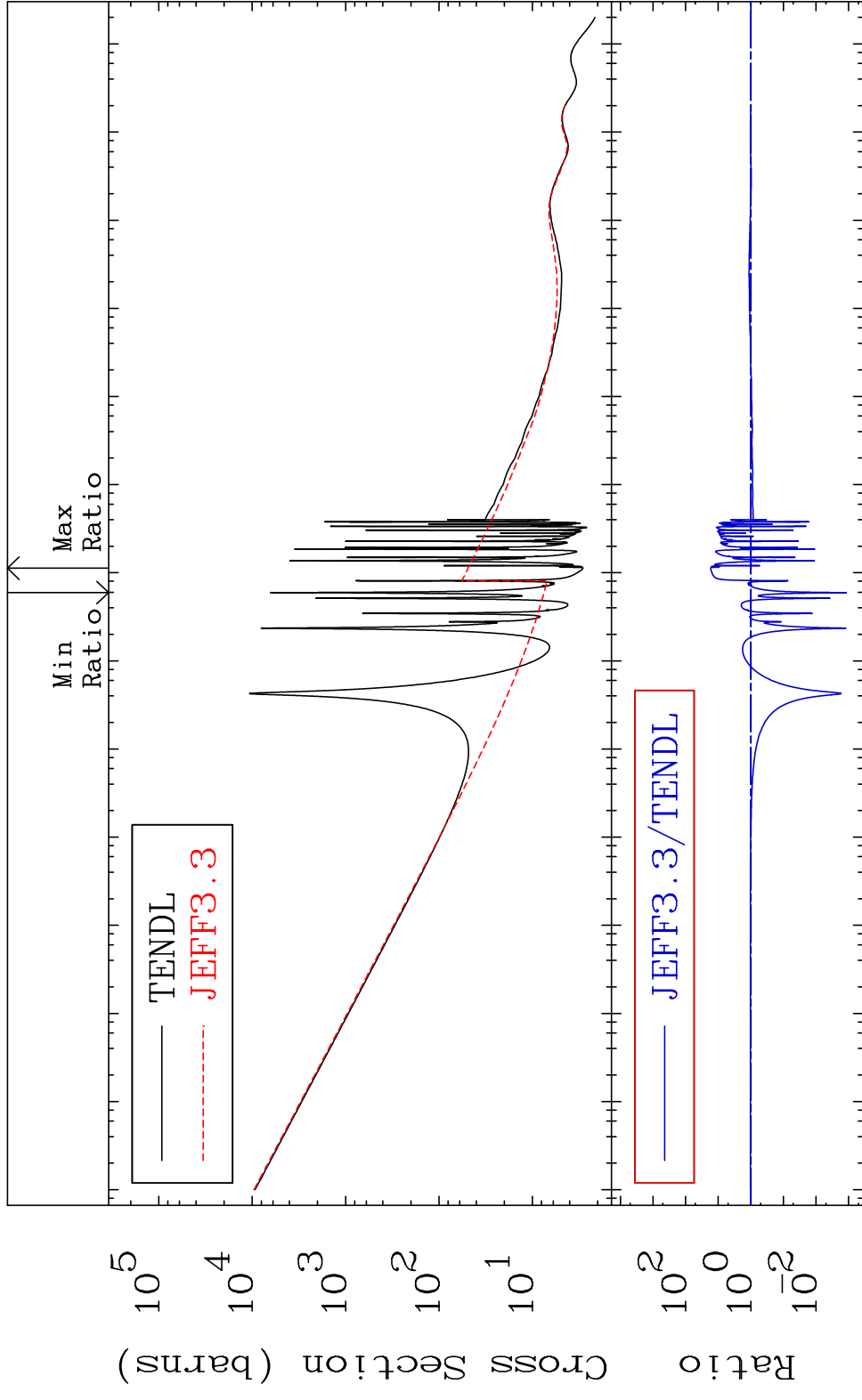
Press Mouse Button to Start

MAT 5452

54-Xe-133

Total

Cross Section -99.88 To 1598. %



1

Incident Energy (eV)

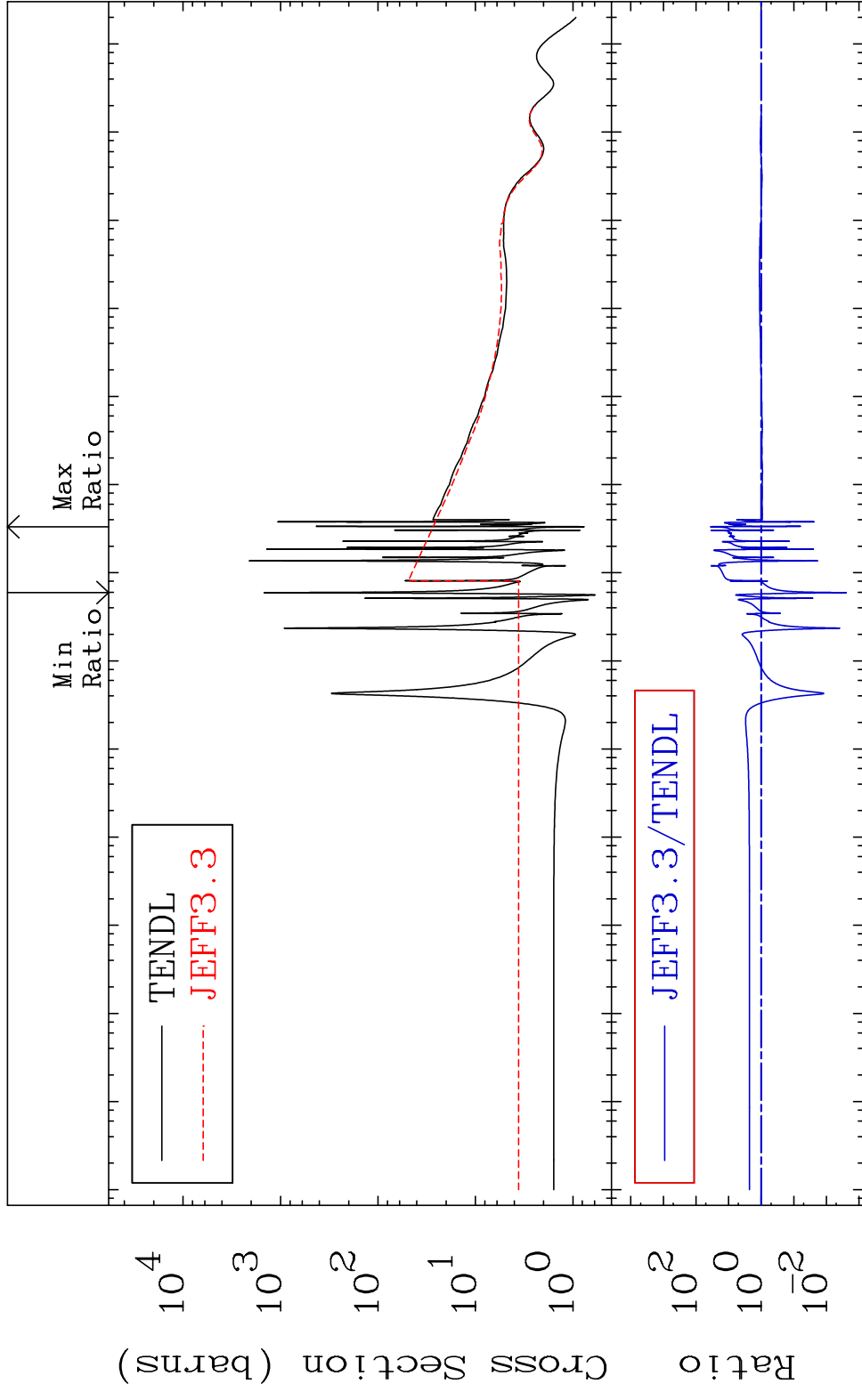
54-Xe-133

MAT 5452

54-Xe-133

Elastic

Cross Section -99.76 To 3437. %



2

Incident Energy (eV)

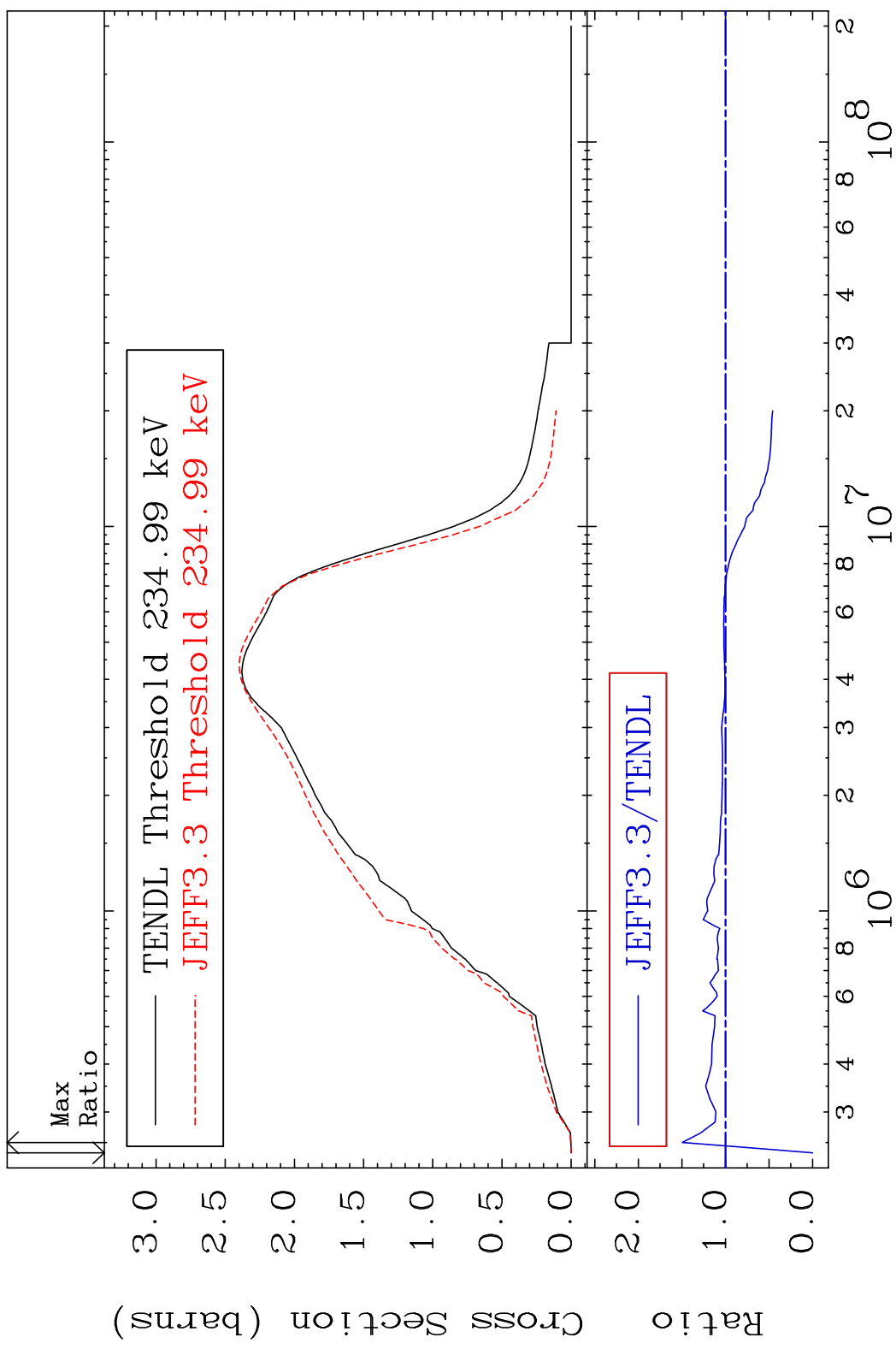
54-Xe-133

MAT 5452

Inelastic

54-Xe-133

Cross Section -100.0 To 49.42 %

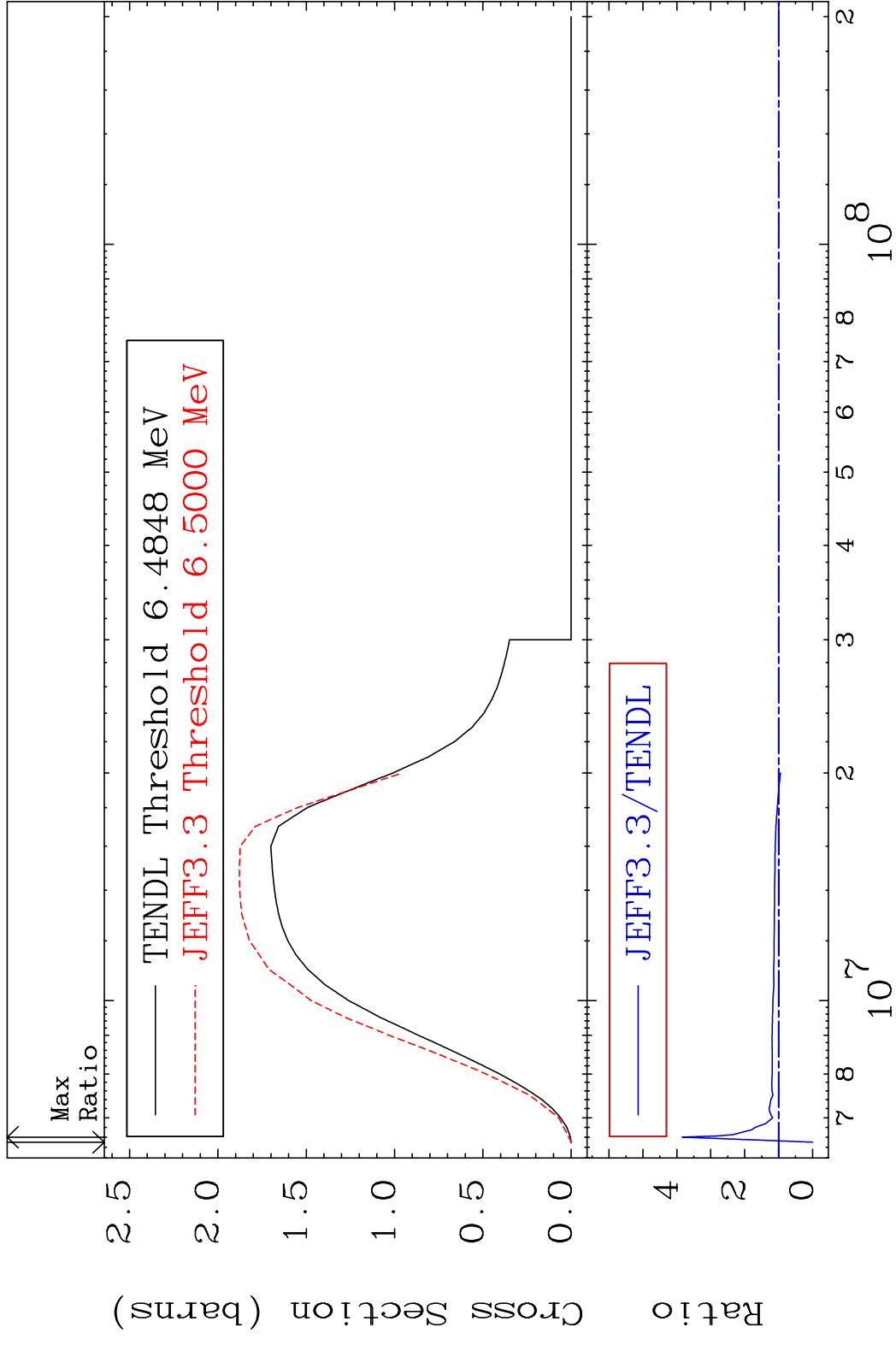


MAT 5452

(n,2n)

54-Xe-133

Cross Section -100.0 To 283.8 %



4

Incident Energy (eV)

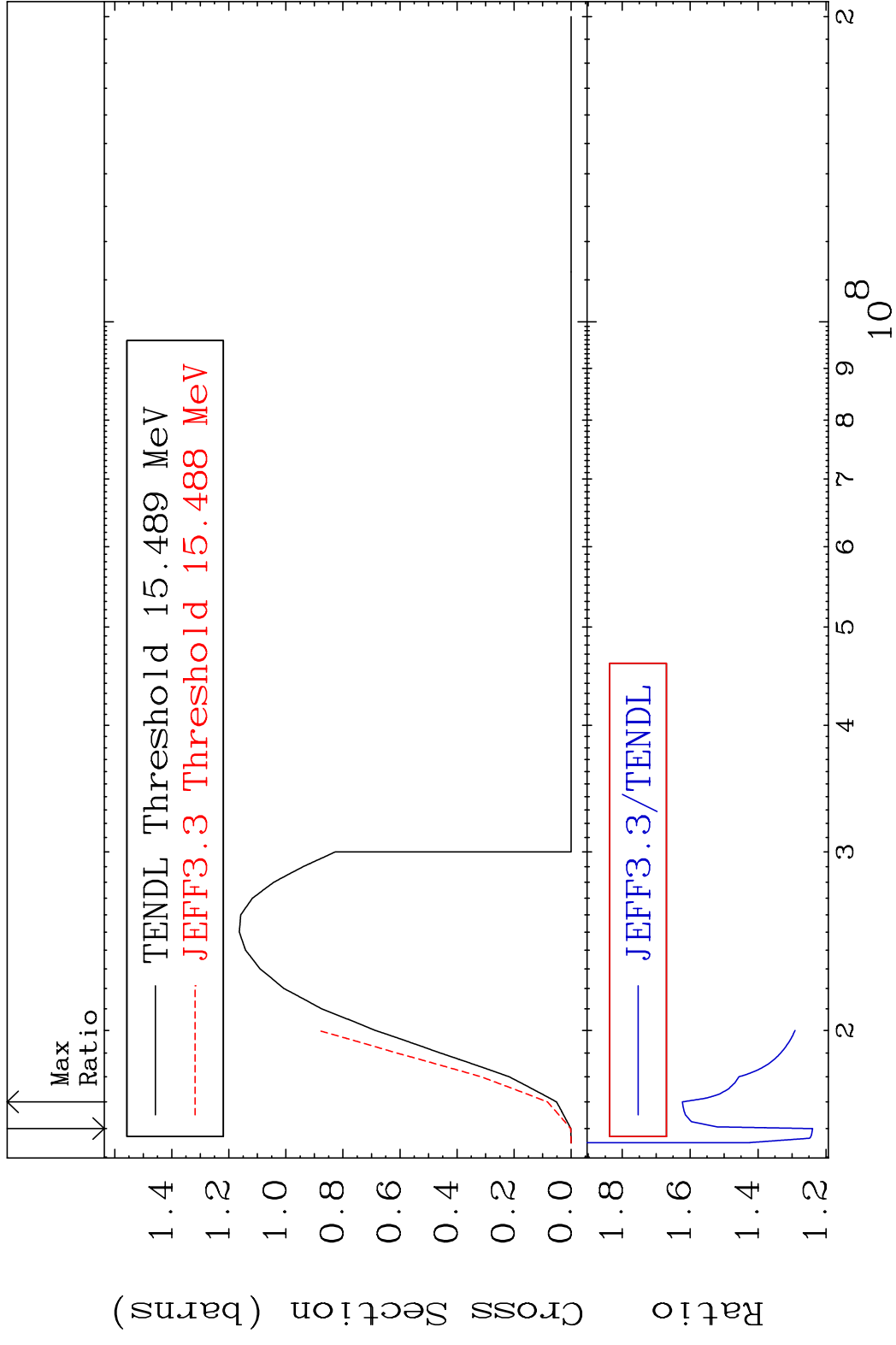
54-Xe-133

MAT 5452

(n,3n)

54-Xe-133

Cross Section 23.96 To 62.29 %

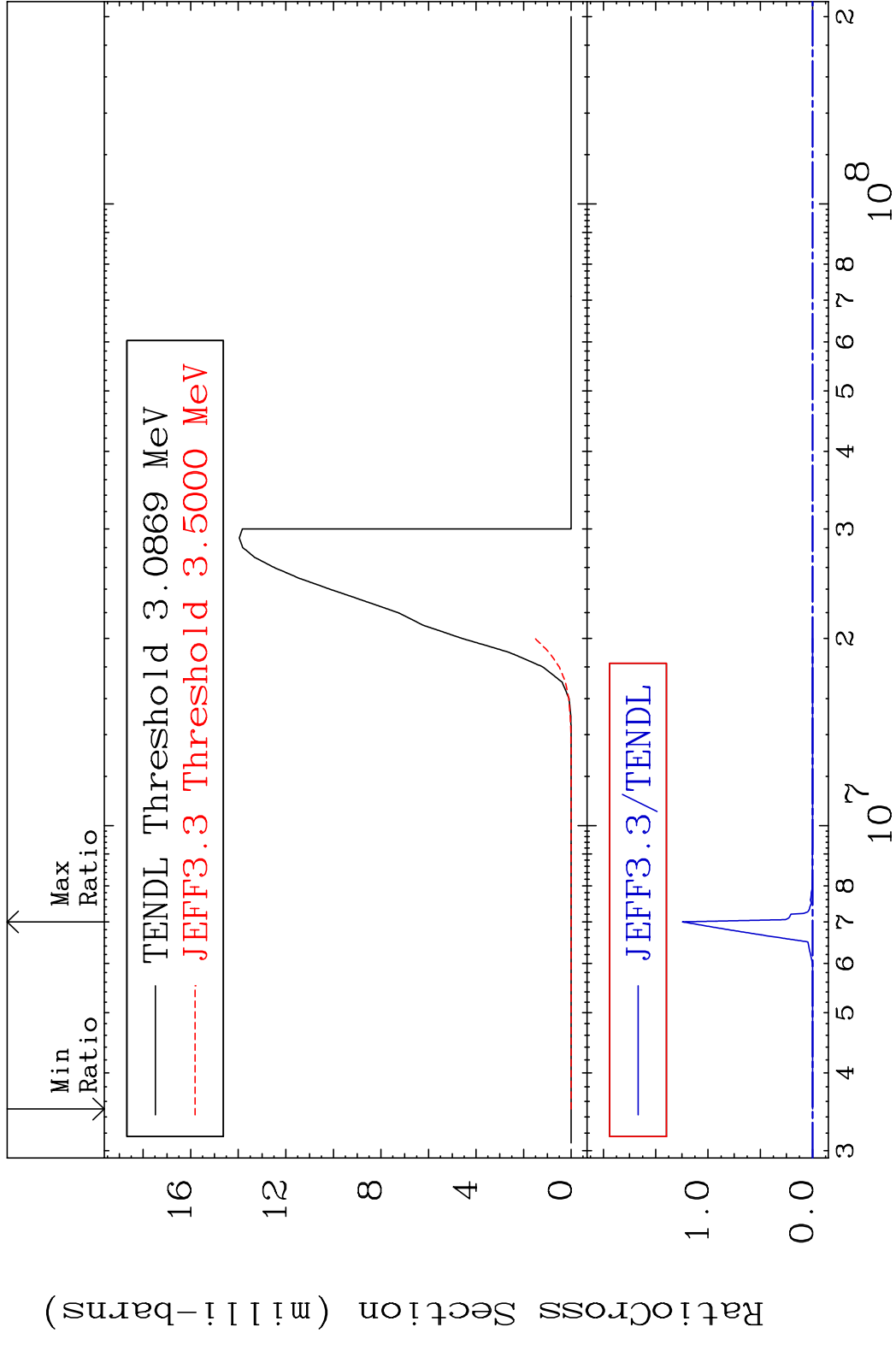


MAT 5452

(n, n') α

54-Xe-133

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

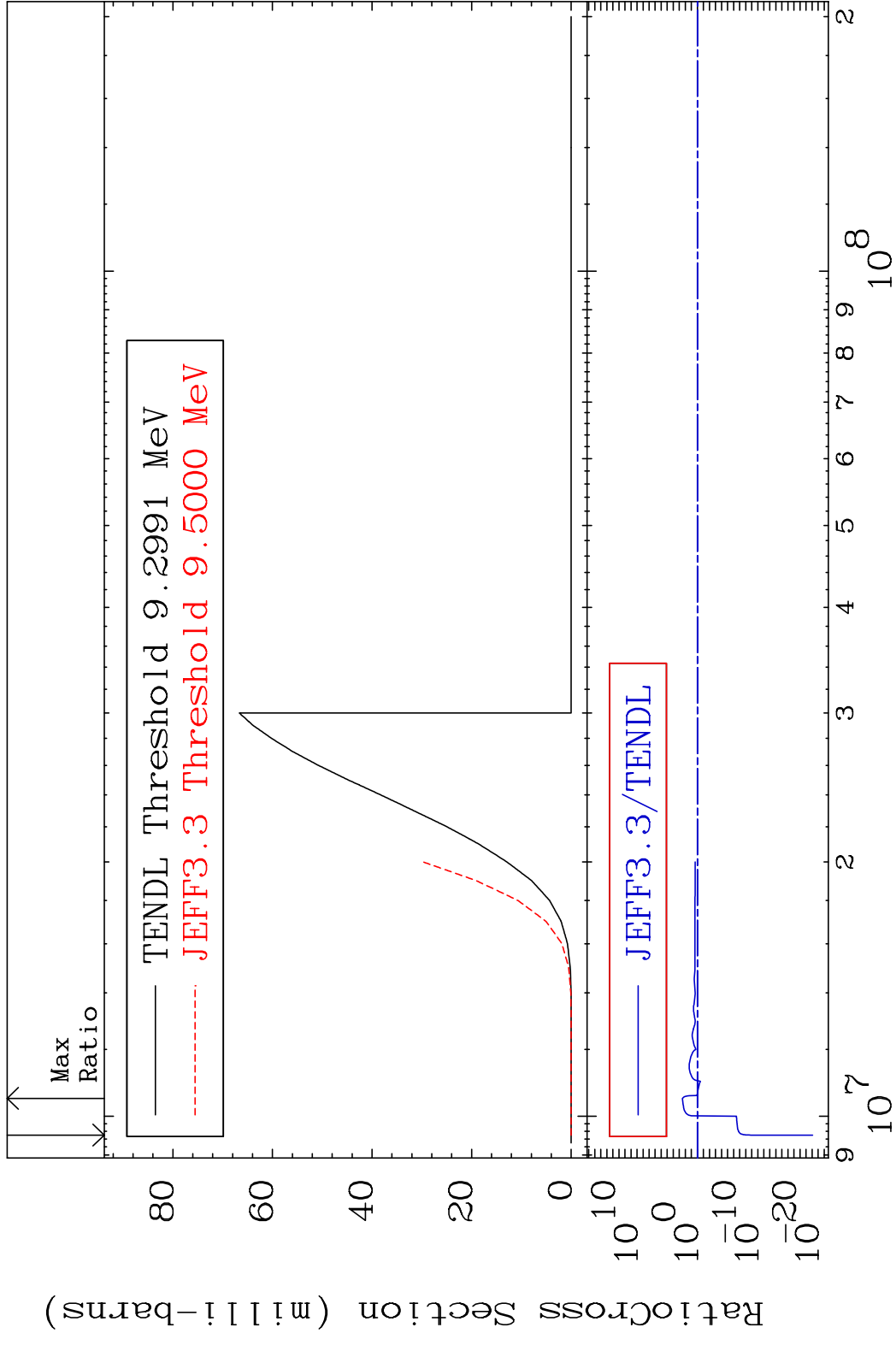
54-Xe-133

MAT 5452

(n, n') p

54-Xe-133

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

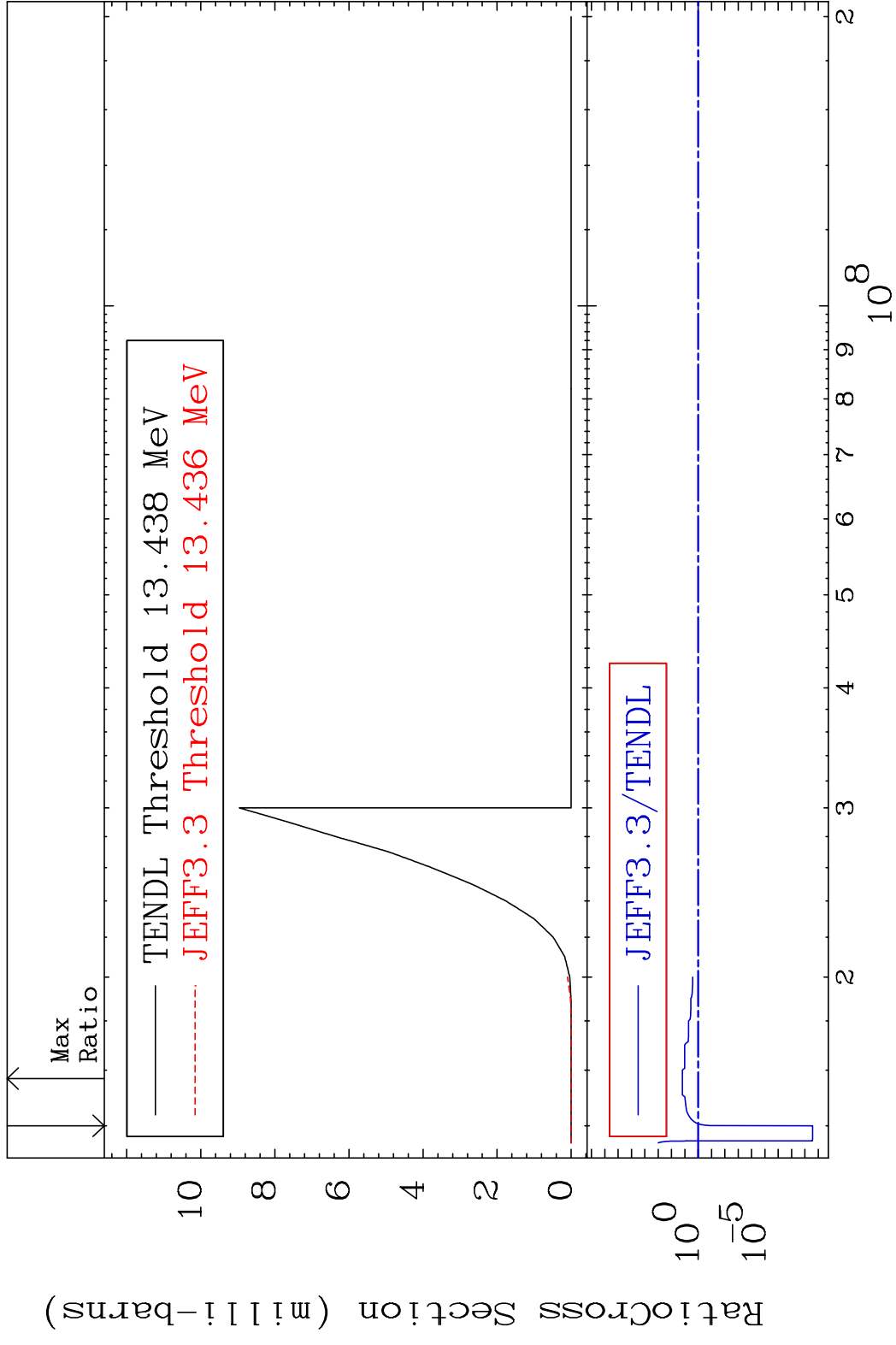
54-Xe-133

MAT 5452

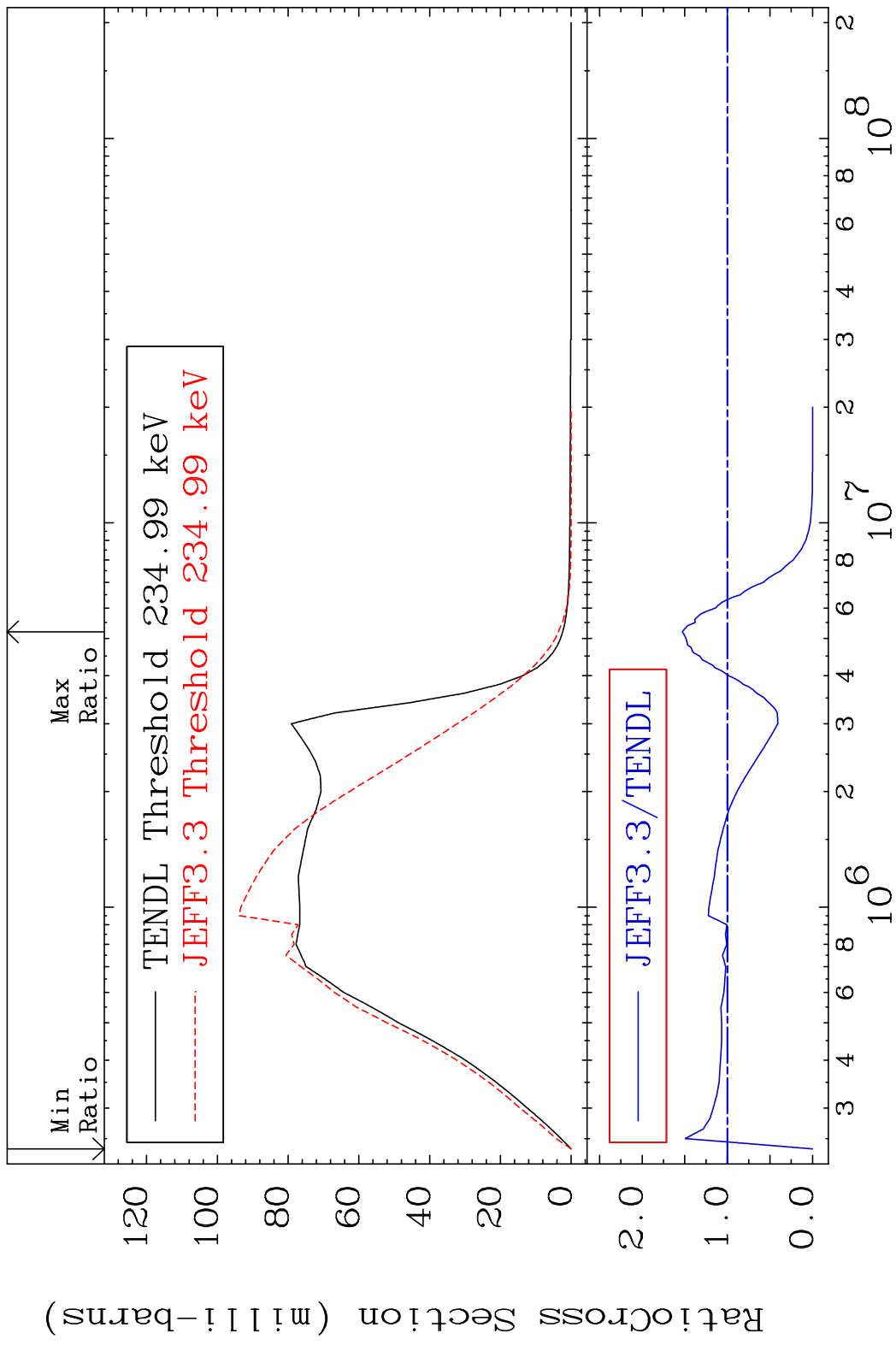
(n, n') d

54-Xe-133

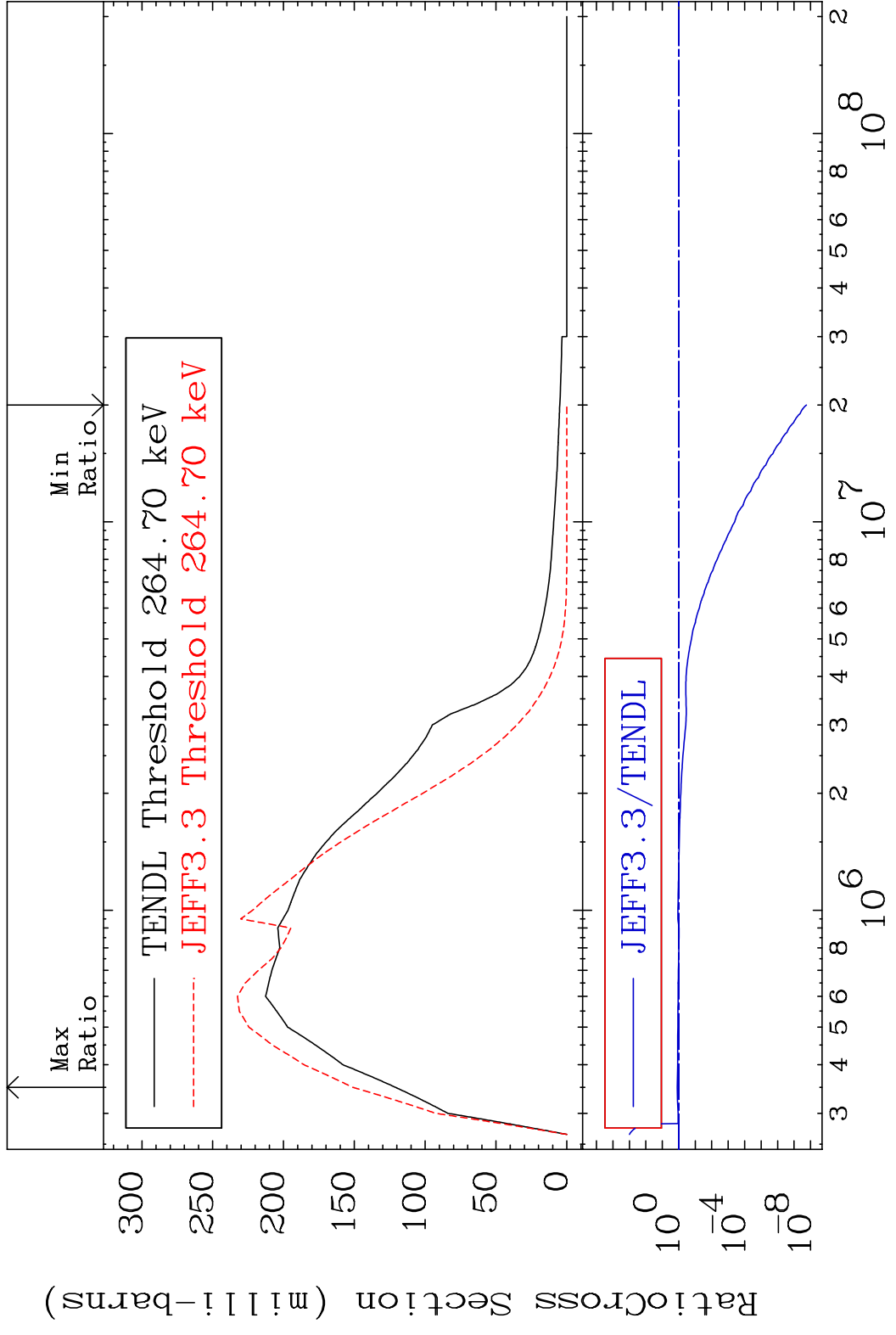
Cross Section -100.0 To 1428. %



MAT 5452 MT= 51 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 52.82 %

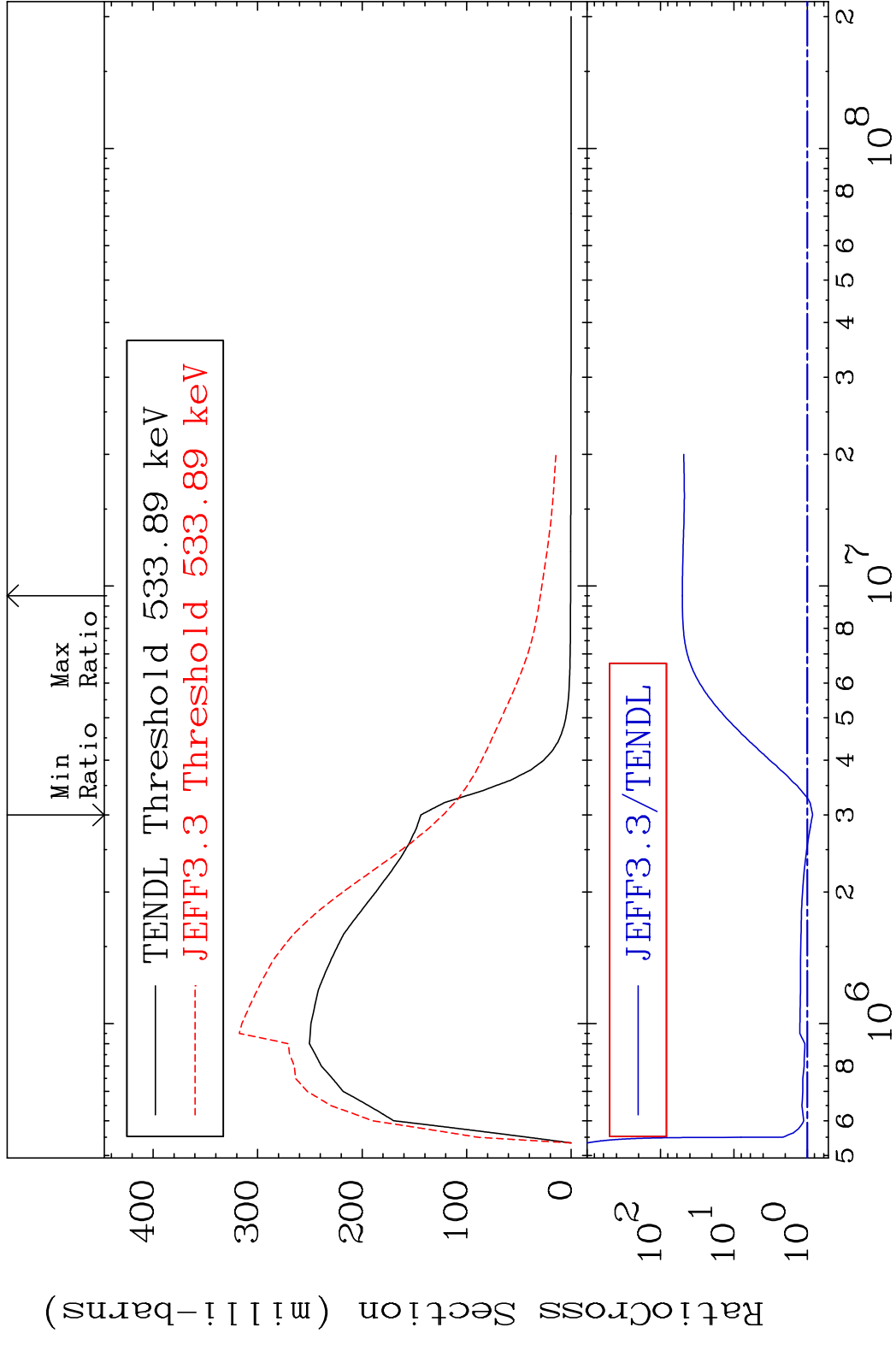


MAT 5452 MT= 52 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 24.93 %

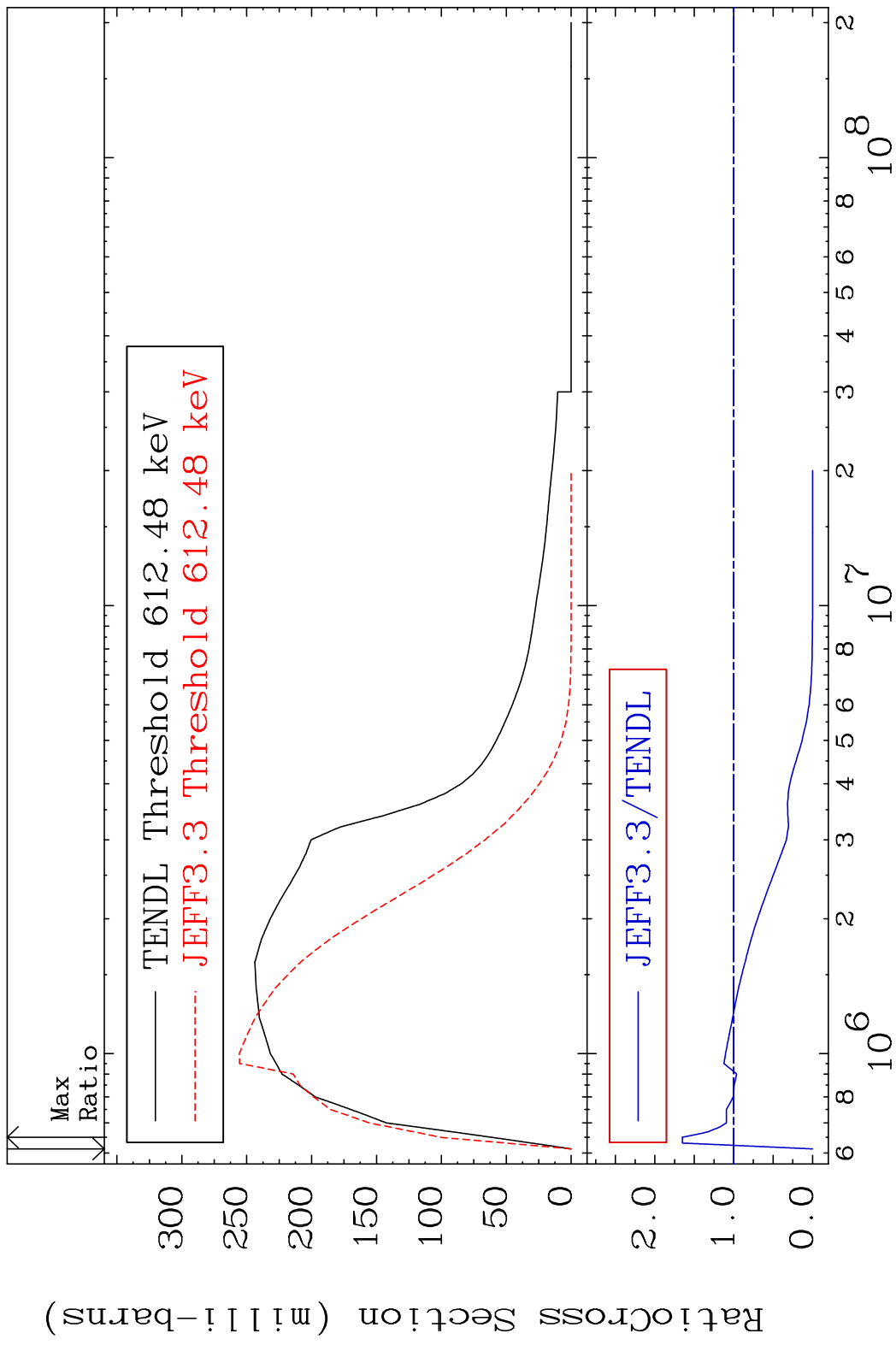


10 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 53 (n, n') Level 54-Xe-133
 Cross Section -14.86 To 4953. %

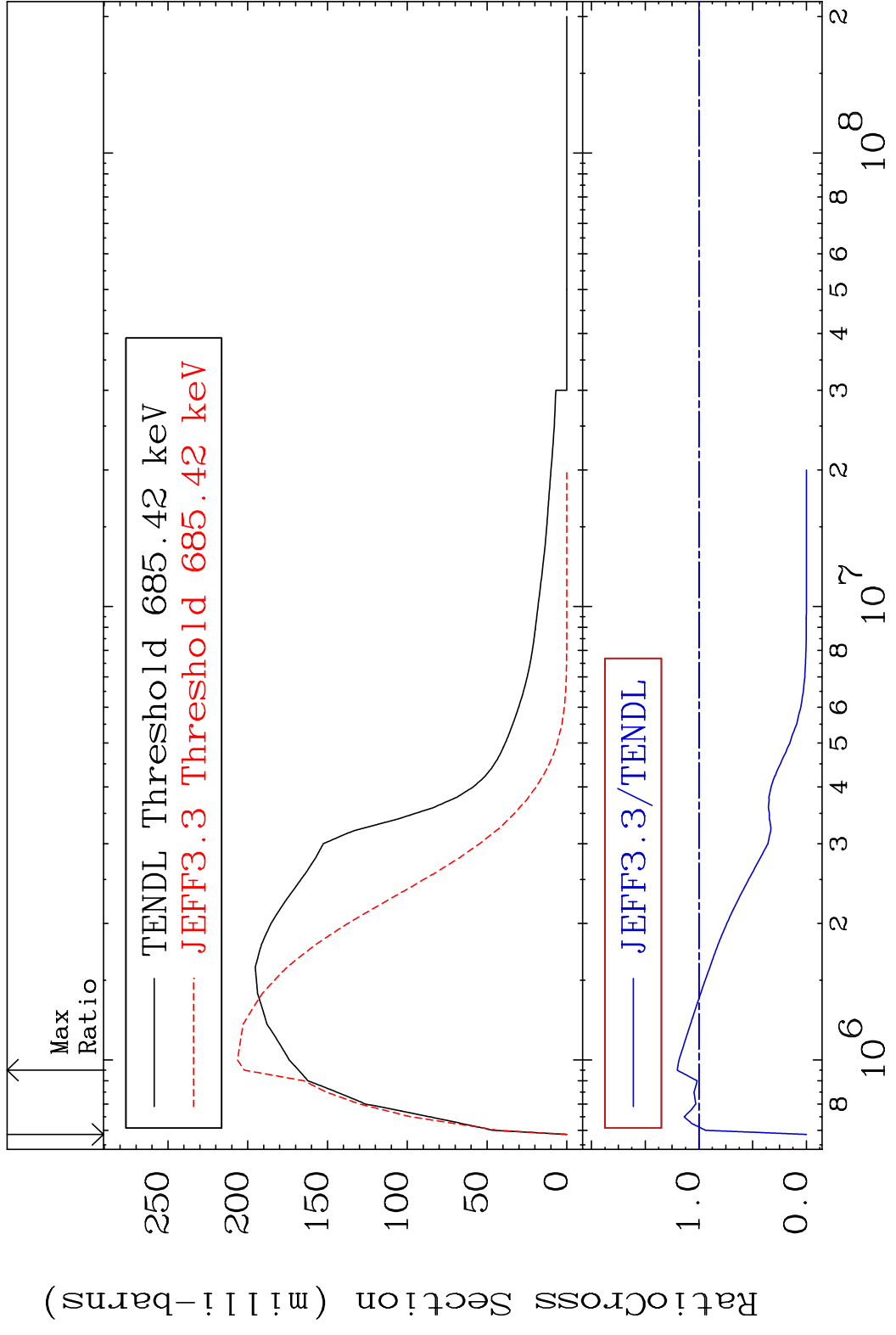


MAT 5452 MT= 54 (n, n') Level 54-Xe-133
 Cross Section -100.0 To 65.12 %



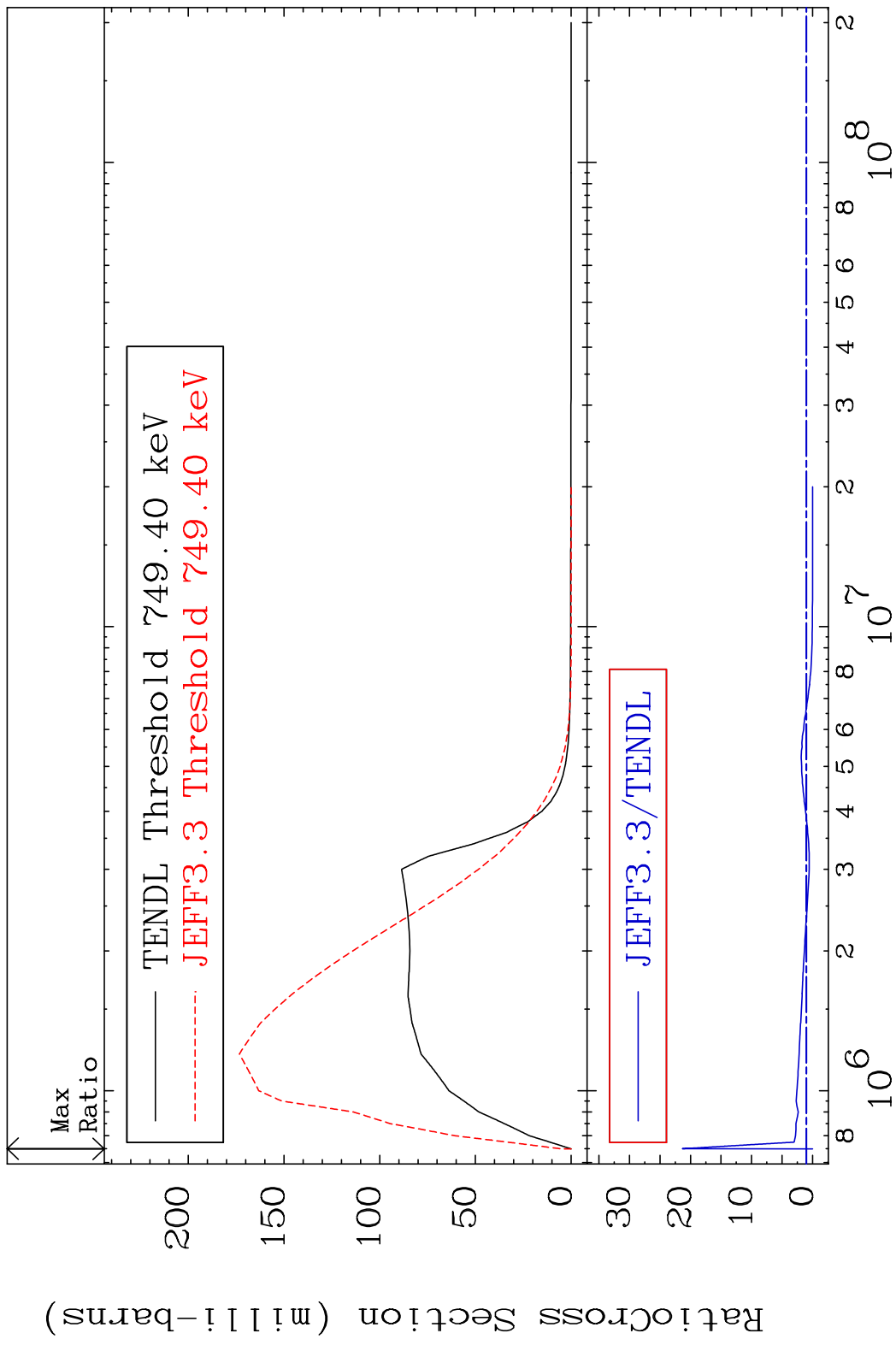
12 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 55 (n,n') Level 54-Xe-133
 Cross Section -100.0 To 20.26 %



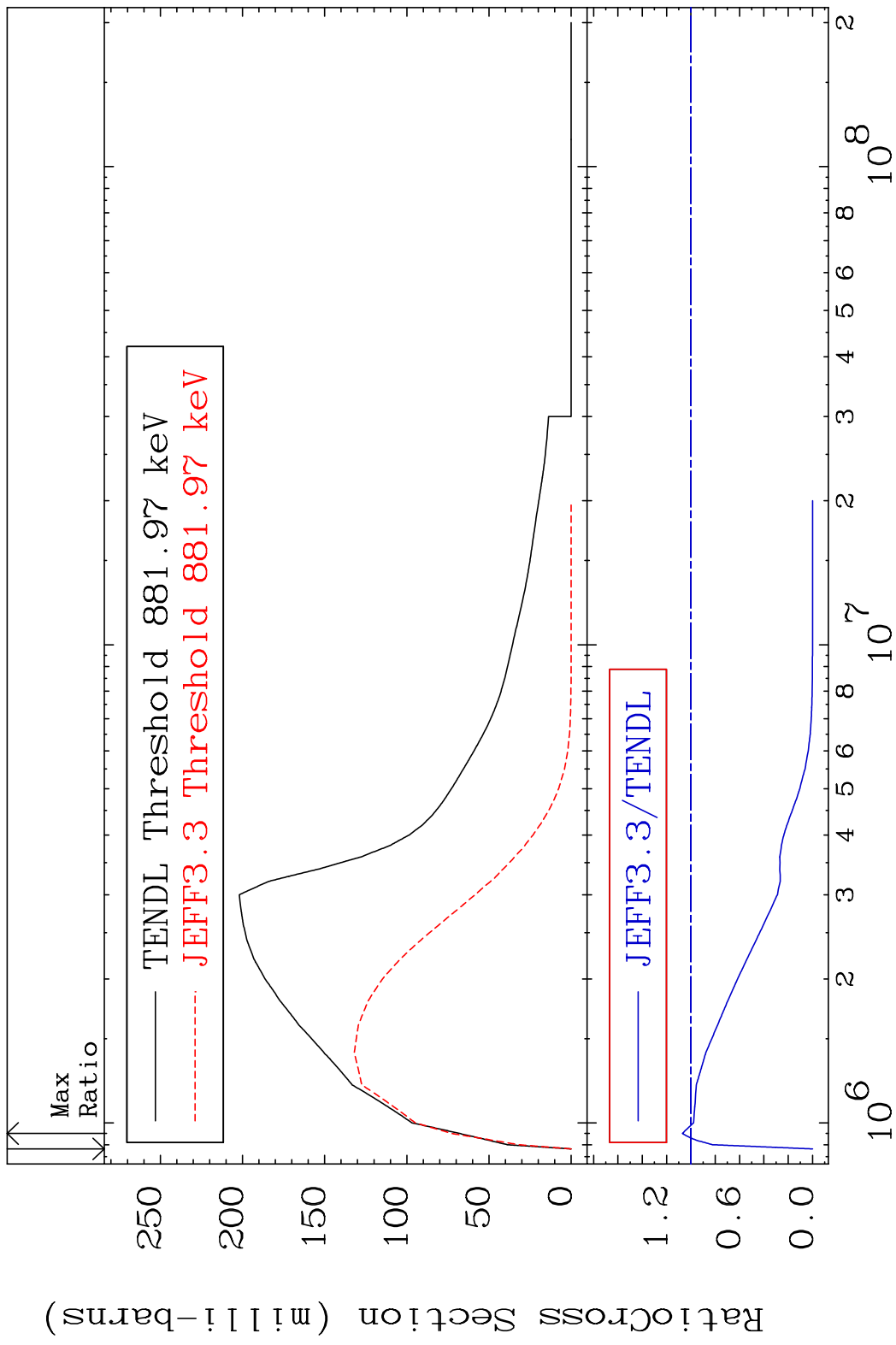
13 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 56 (n,n') Level 54-Xe-133
 Cross Section -100.0 To 2034. %



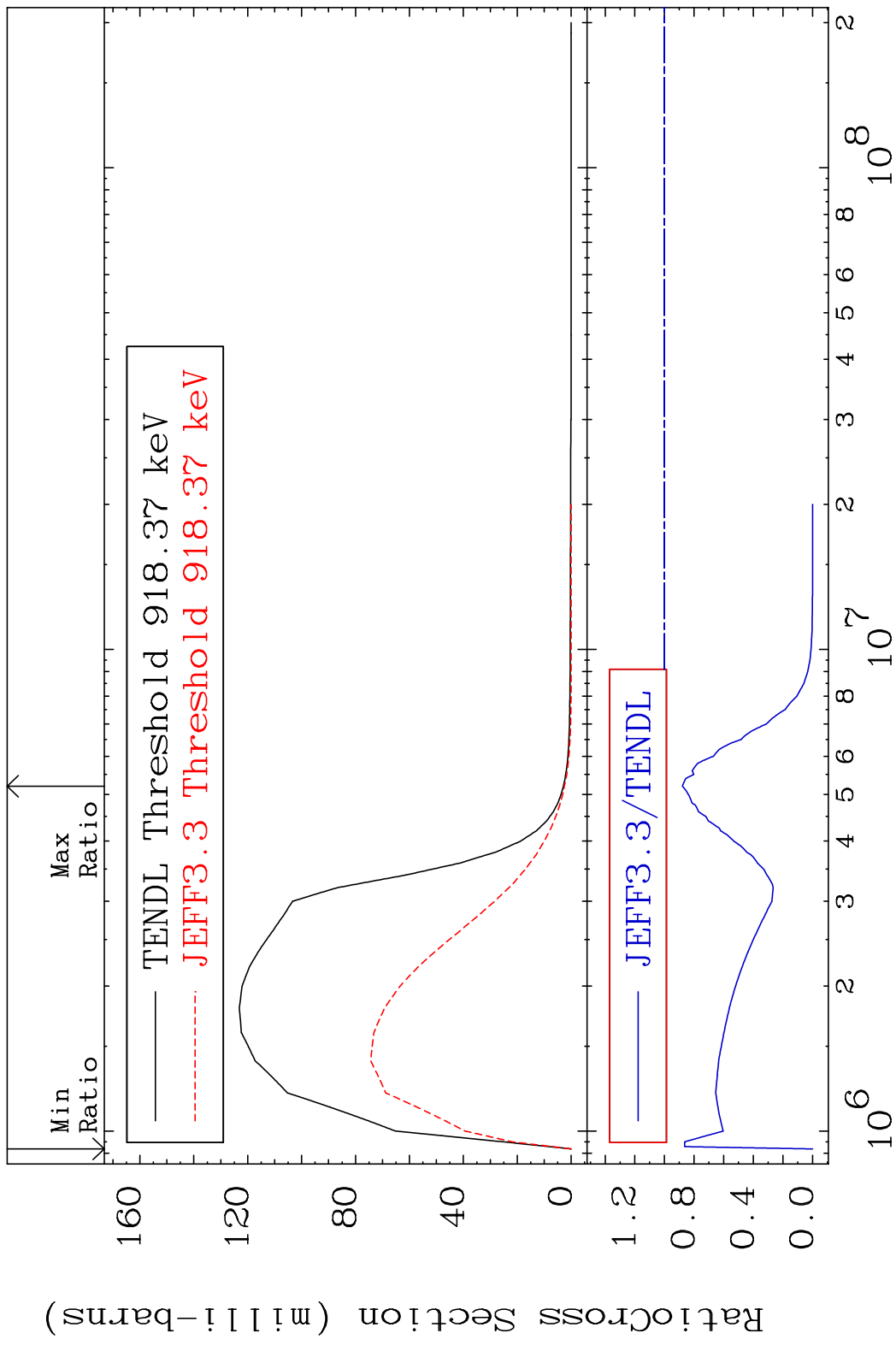
14 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 57 (n,n') Level 54-Xe-133
 Cross Section -100.0 To 7.049 %



15 Incident Energy (eV) 54-Xe-133

MAT 5452 MT= 58 (n,n') Level 54-Xe-133
 Cross Section -100.0 To -12.09%



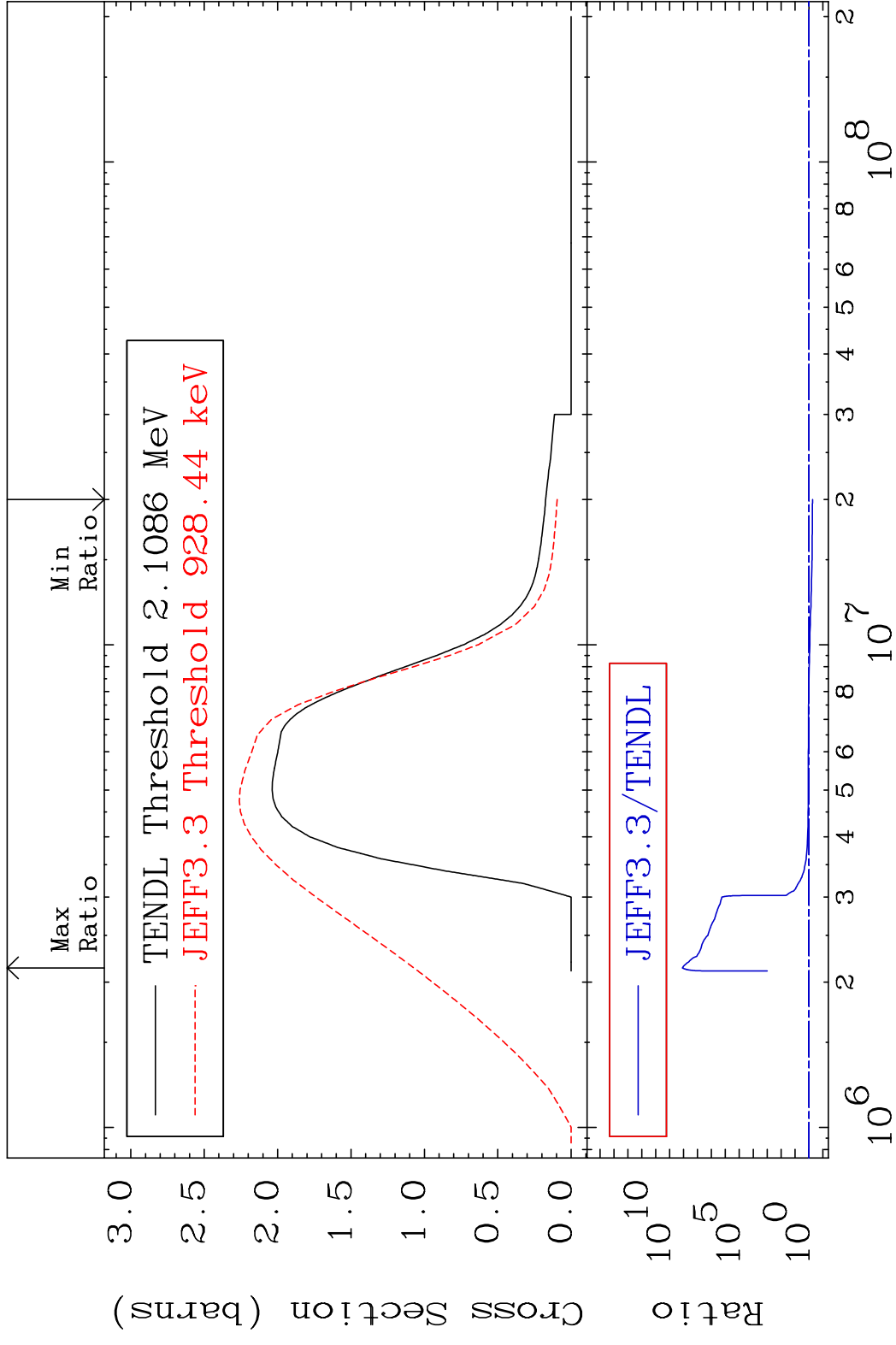
16 Incident Energy (eV) 54-Xe-133

MAT 5452

(n, n') Continuum

54-Xe-133

Cross Section -45.38 To 9999. %



17

Incident Energy (eV)

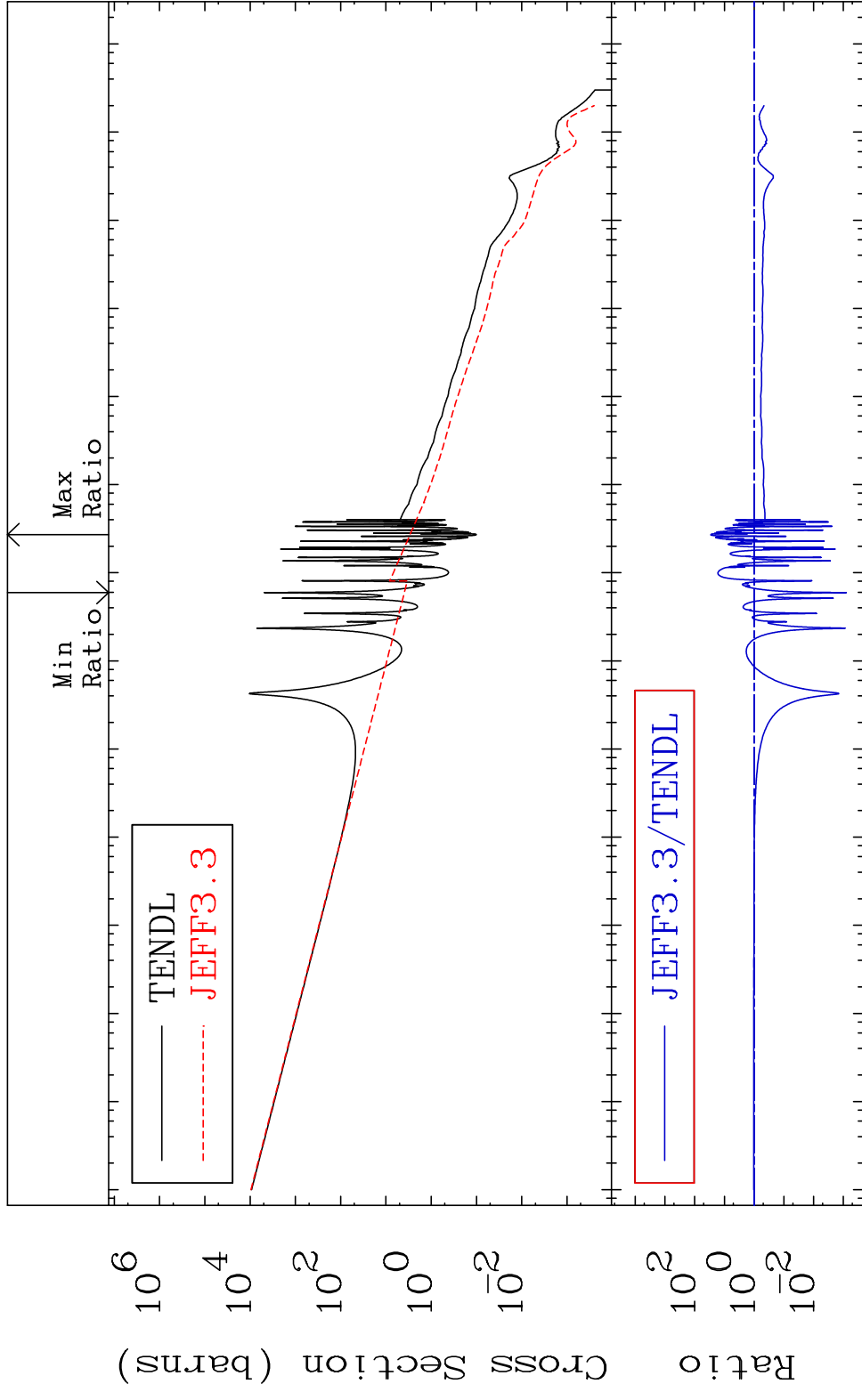
54-Xe-133

MAT 5452

54-Xe-133

(n, γ)

Cross Section -99.92 To 2795. %

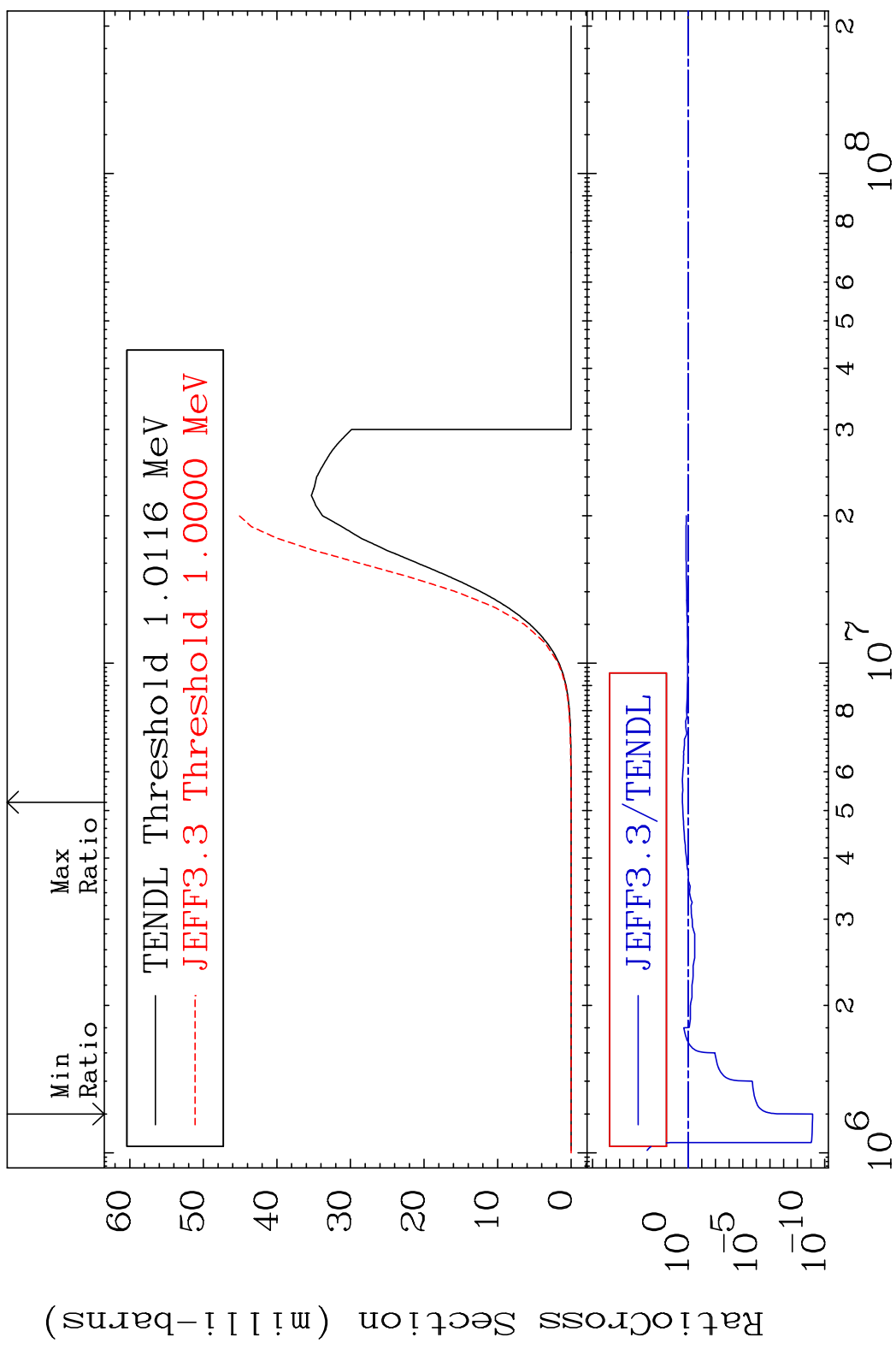


MAT 5452

(n,p)

54-Xe-133

Cross Section -100.0 To 162.5 %



19

Incident Energy (eV)

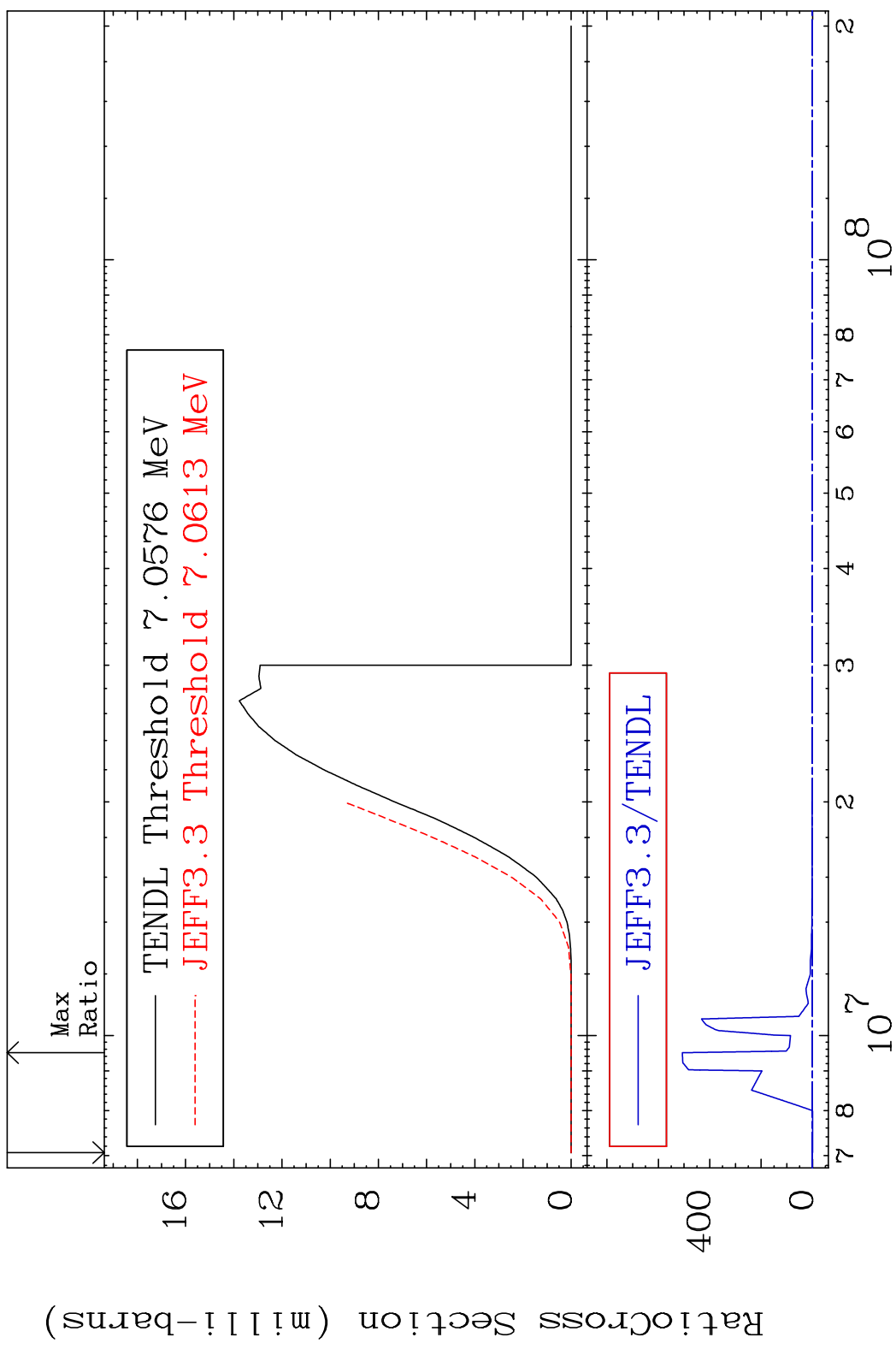
54-Xe-133

MAT 5452

(n,d)

54-Xe-133

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

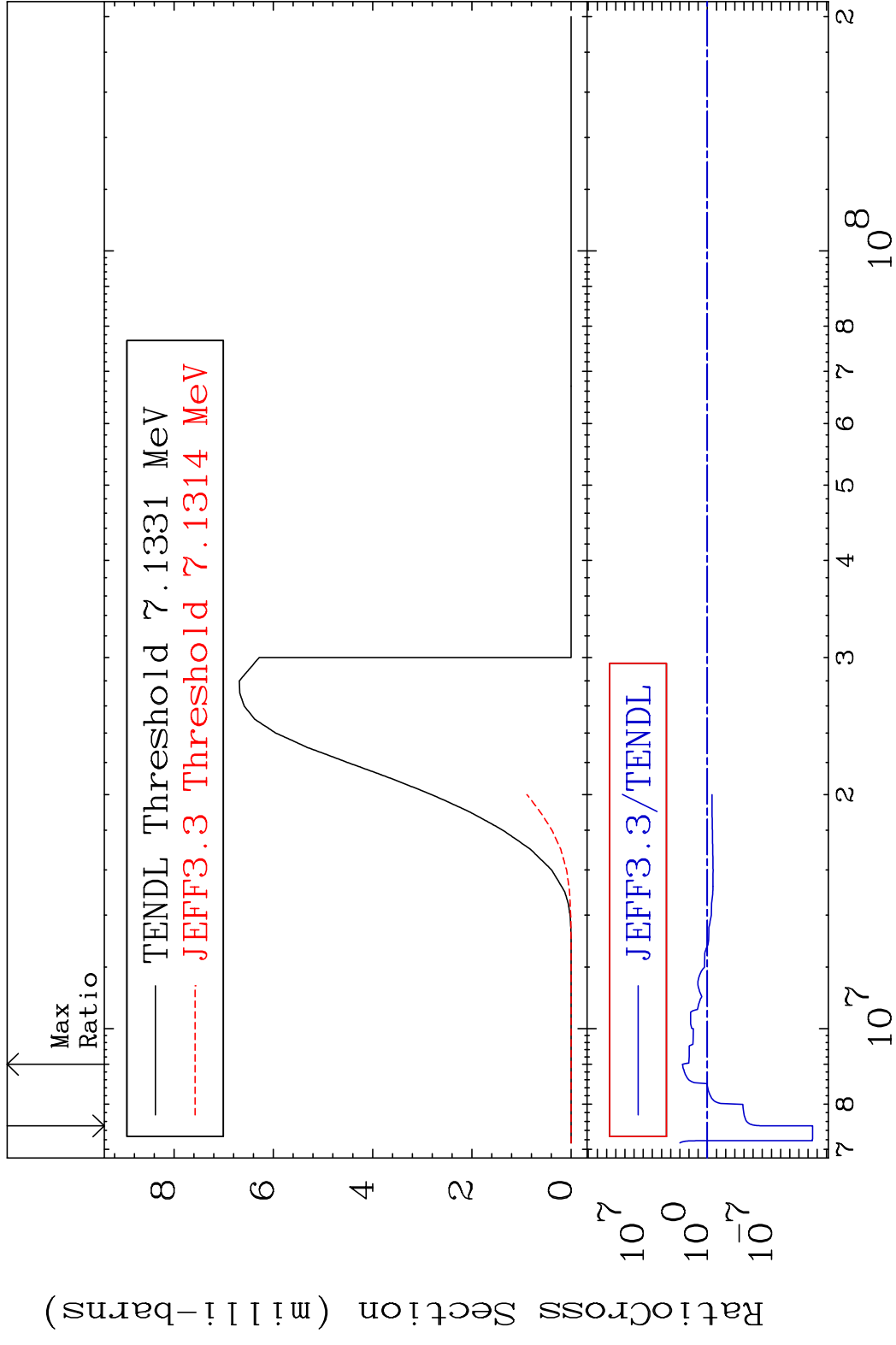
54-Xe-133

MAT 5452

54-Xe-133

(n, t)

Cross Section -100.0 To 9999. %

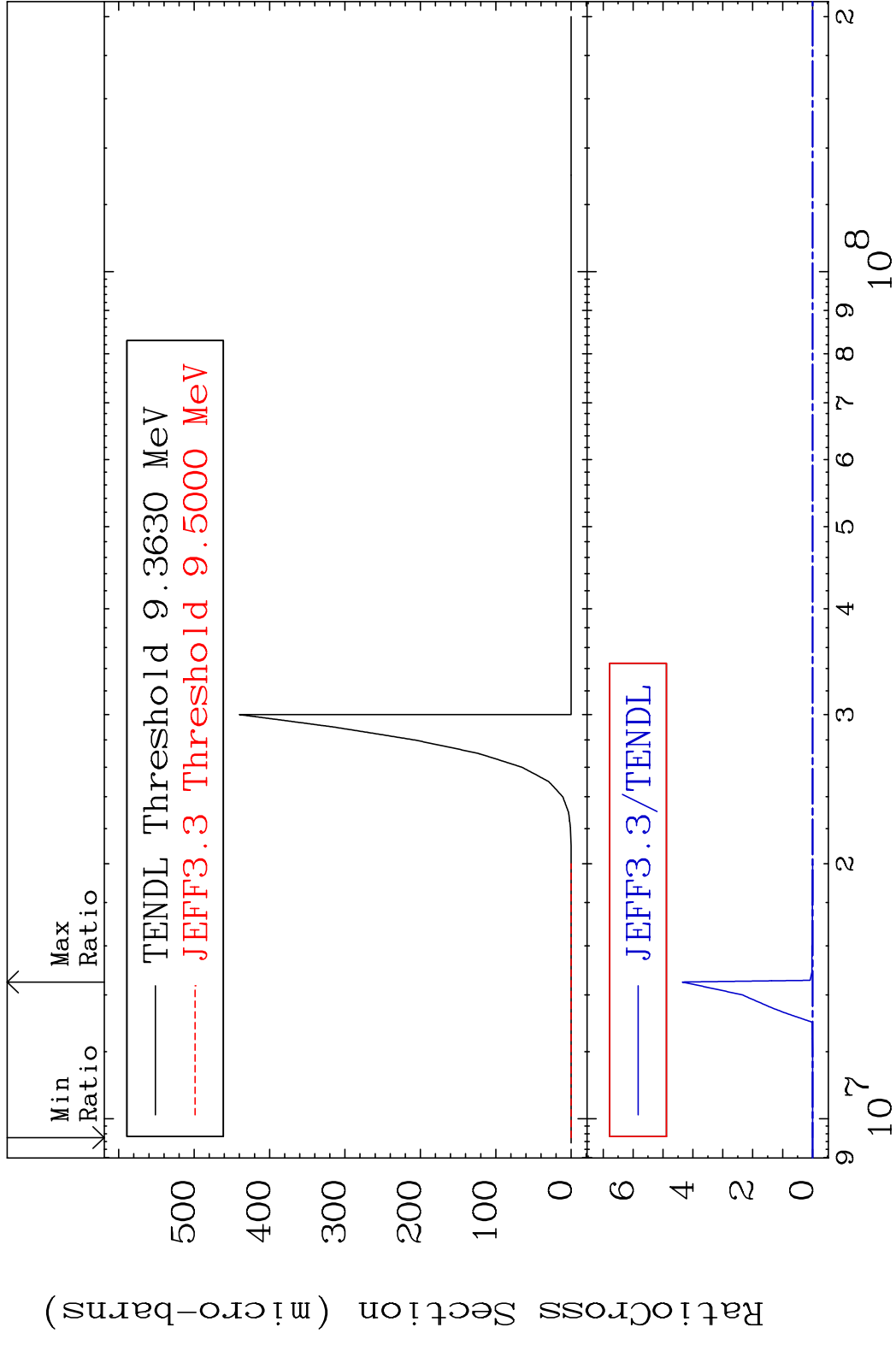


MAT 5452

(n, He-3)

54-Xe-133

Cross Section -100.0 To 9999. %



22

Incident Energy (eV)

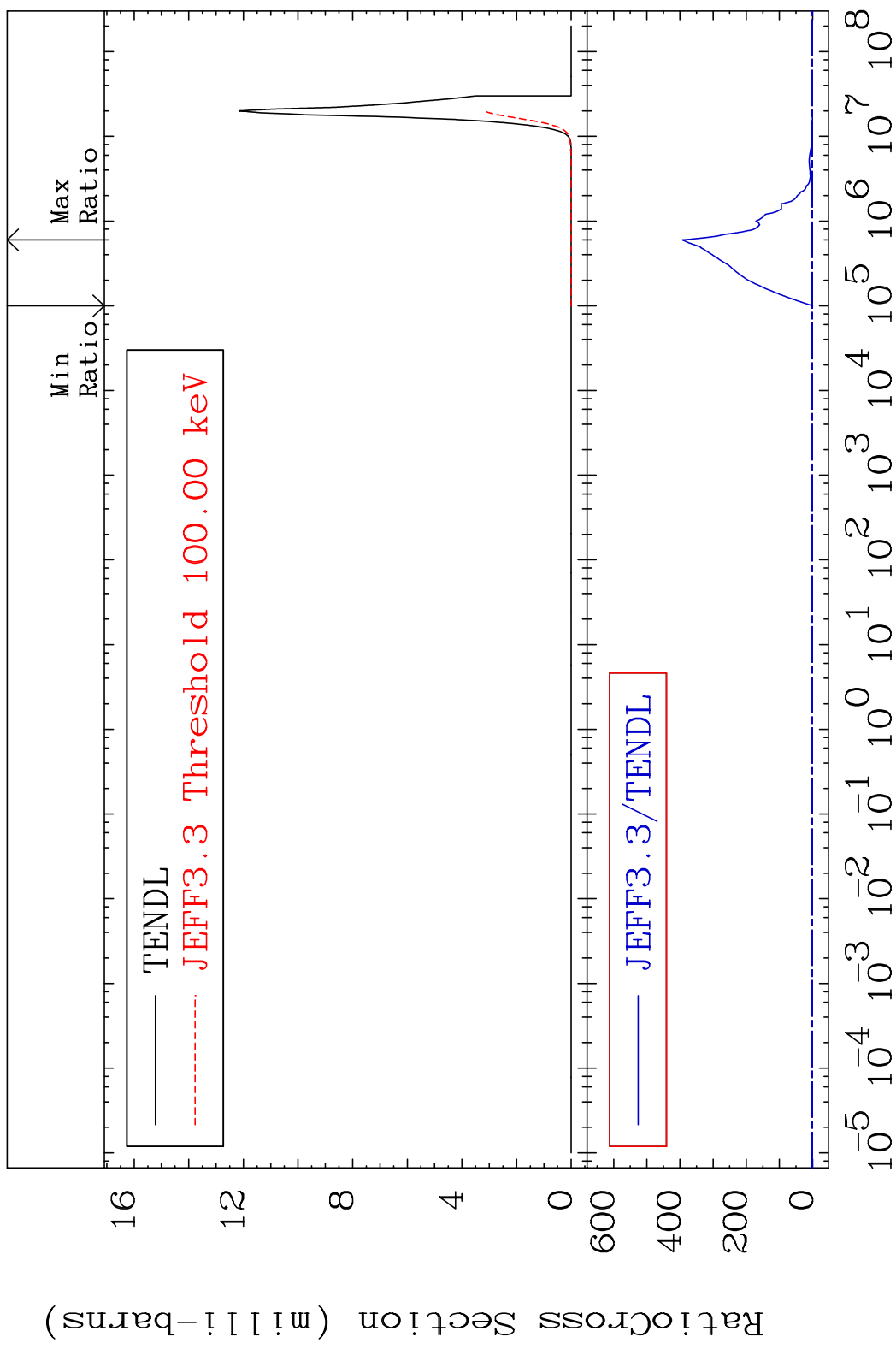
54-Xe-133

MAT 5452

(n, α)

54-Xe-133

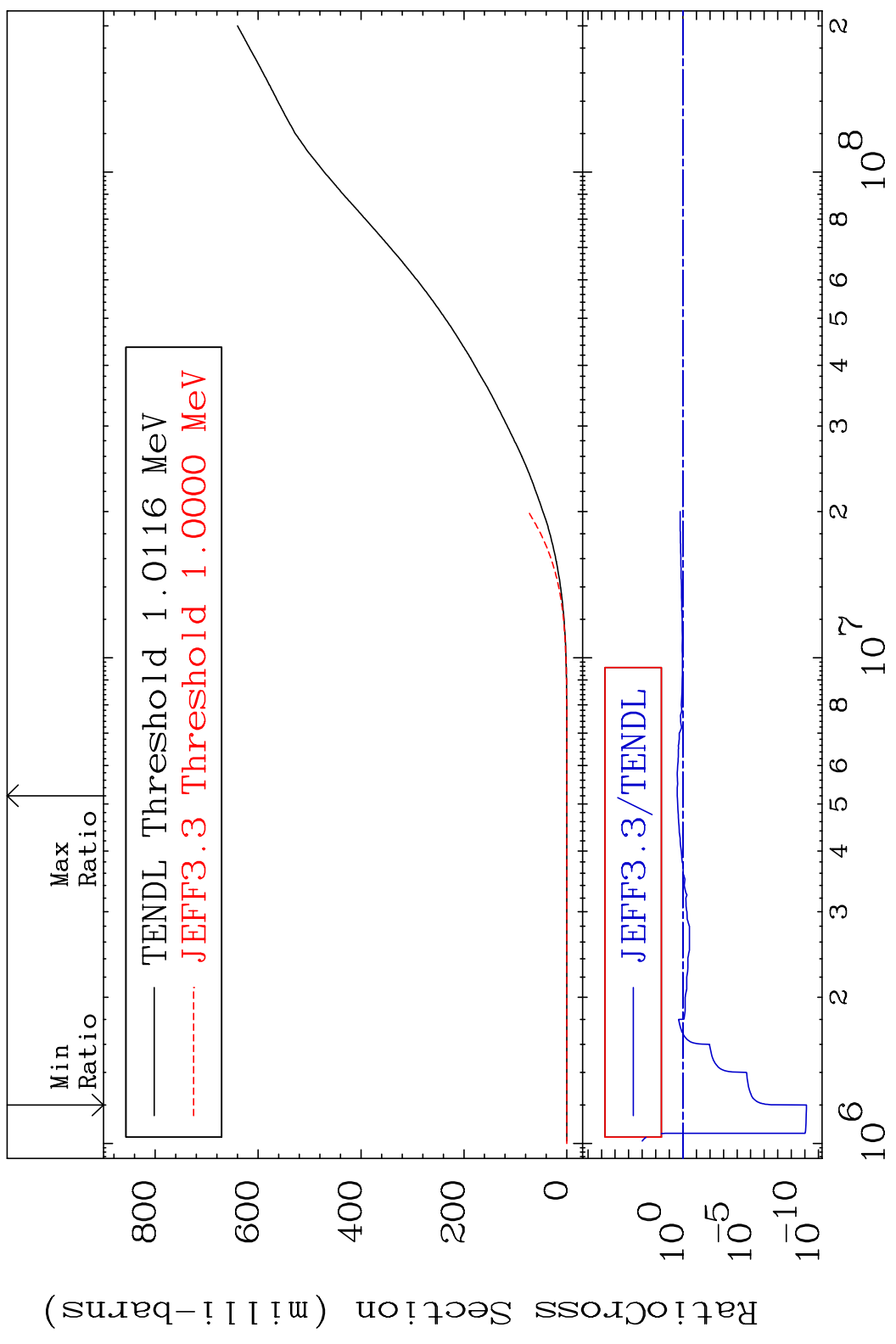
Cross Section -100.0 To 9999. %



MAT 5452

Hydrogen Production
Cross Section -100.0 To 162.5 %

54-Xe-133



24

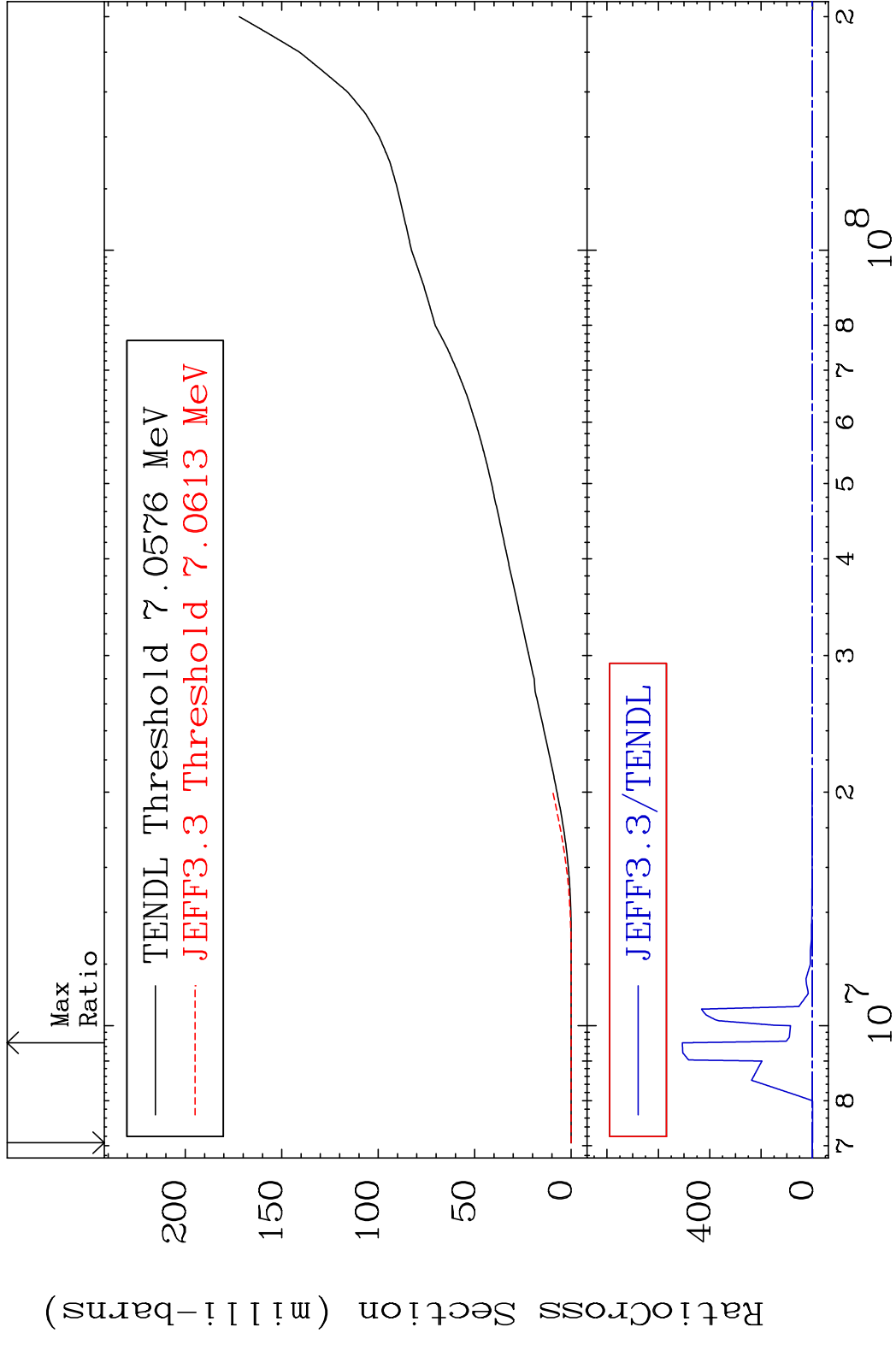
Incident Energy (eV)

54-Xe-133

MAT 5452

Deuterium Production 54-Xe-133

Cross Section -100.0 To 9999. %



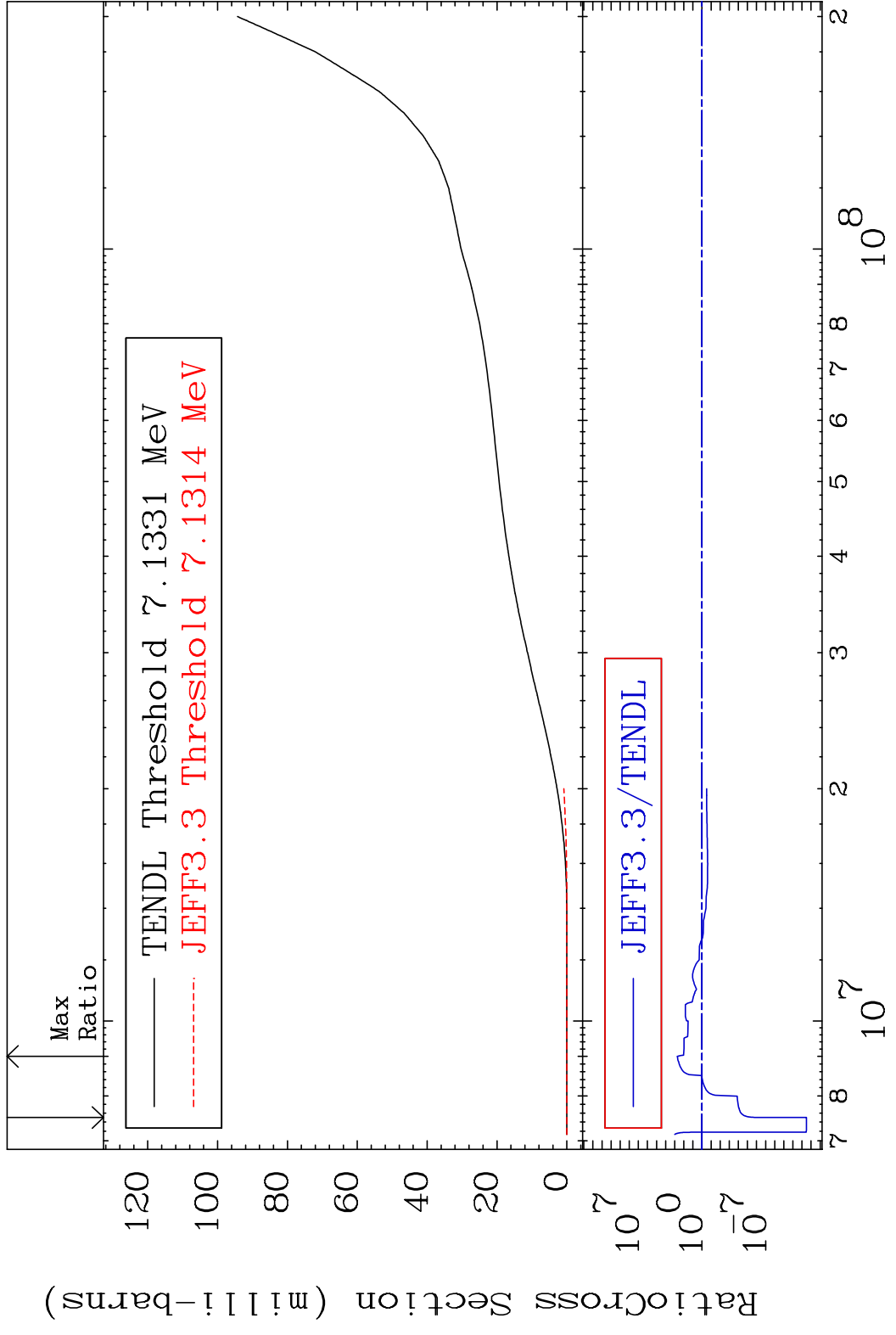
25

Incident Energy (eV)

54-Xe-133

MAT 5452

Tritium Production 54-Xe-133
Cross Section -100.0 To 9999. %

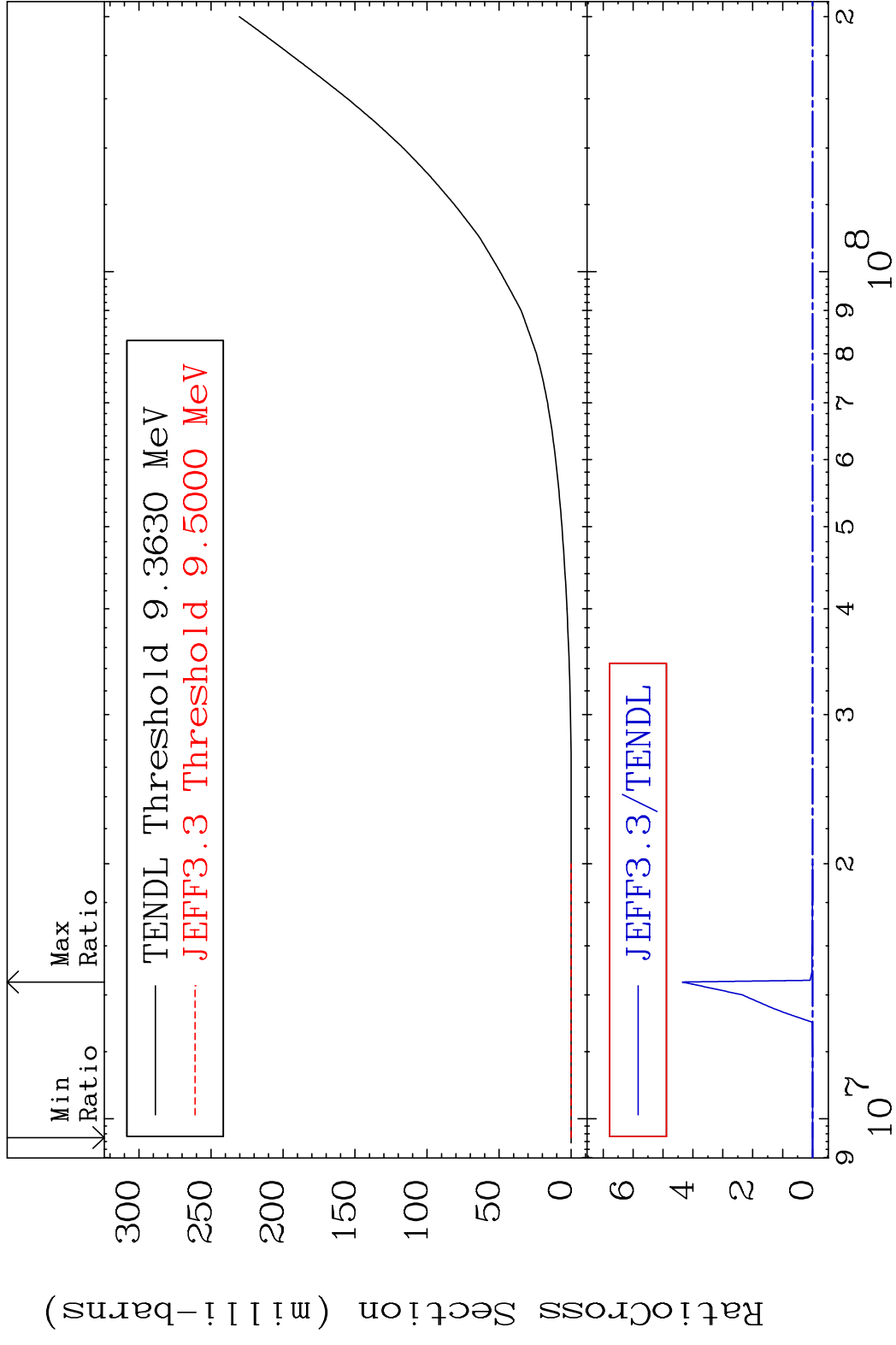


MAT 5452

He-3 Production

54-Xe-133

Cross Section -100.0 To 9999. %



27

Incident Energy (eV)

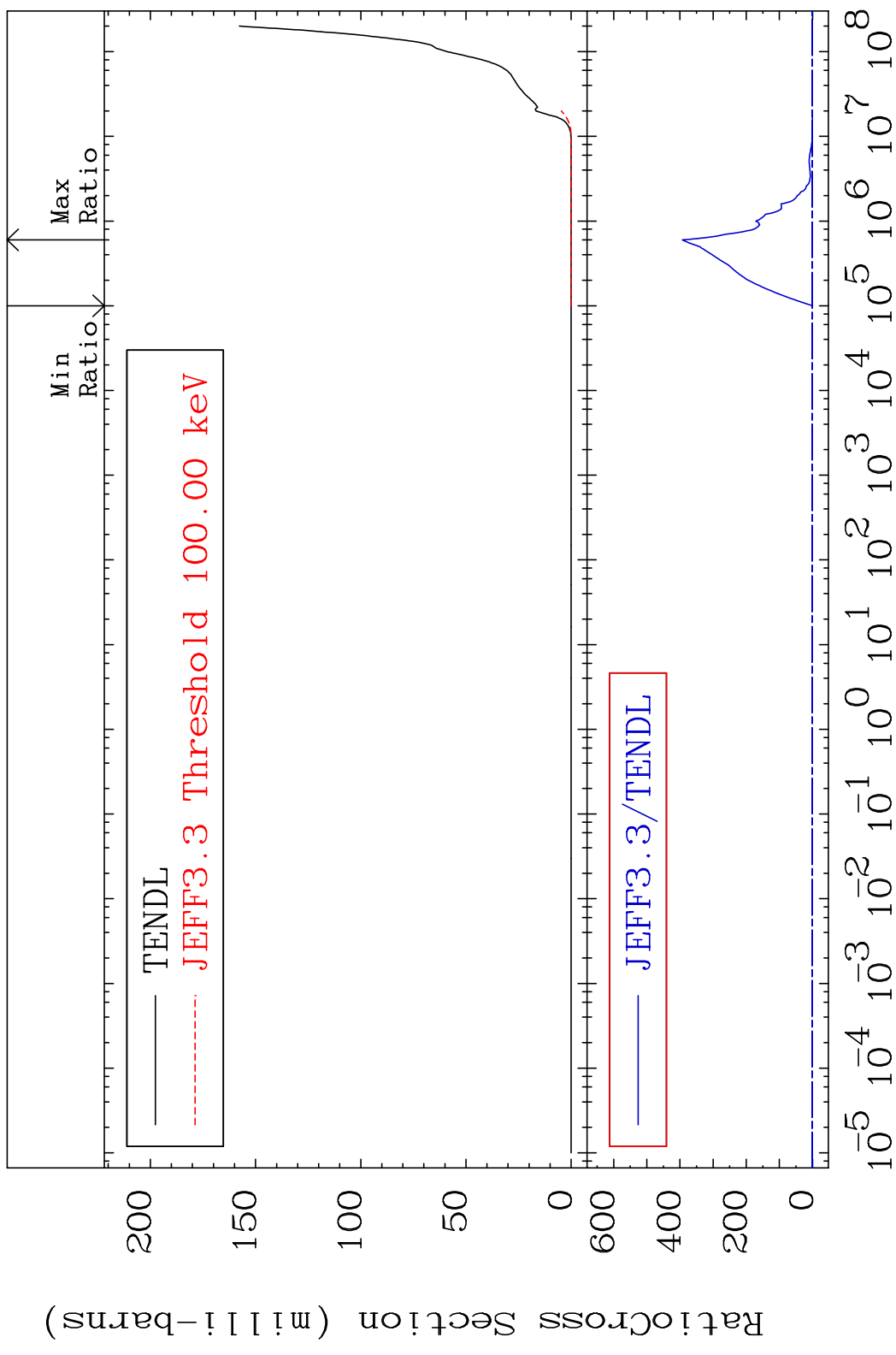
54-Xe-133

MAT 5452

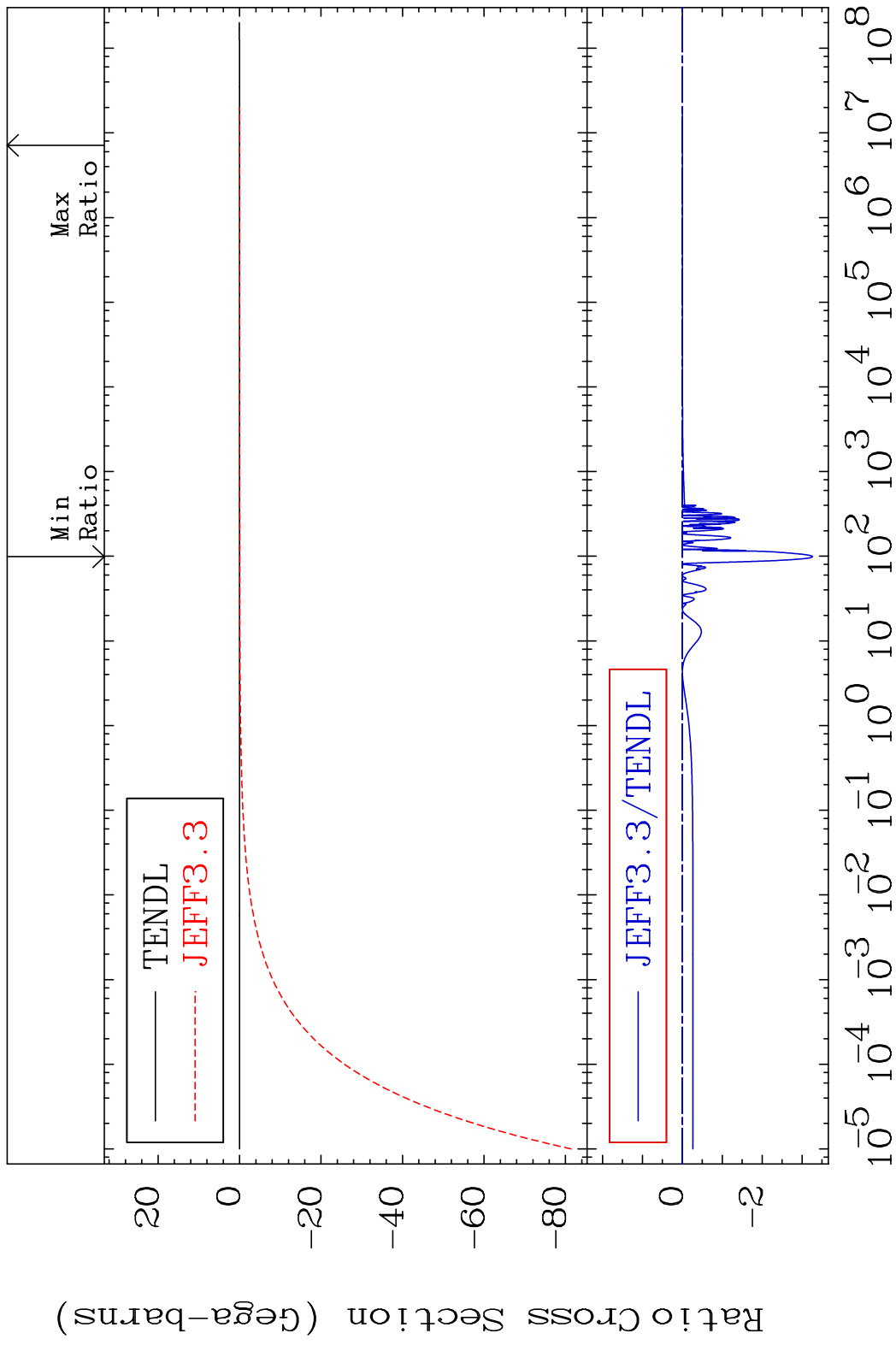
He-4 Production

54-Xe-133

Cross Section -100.0 To 9999. %

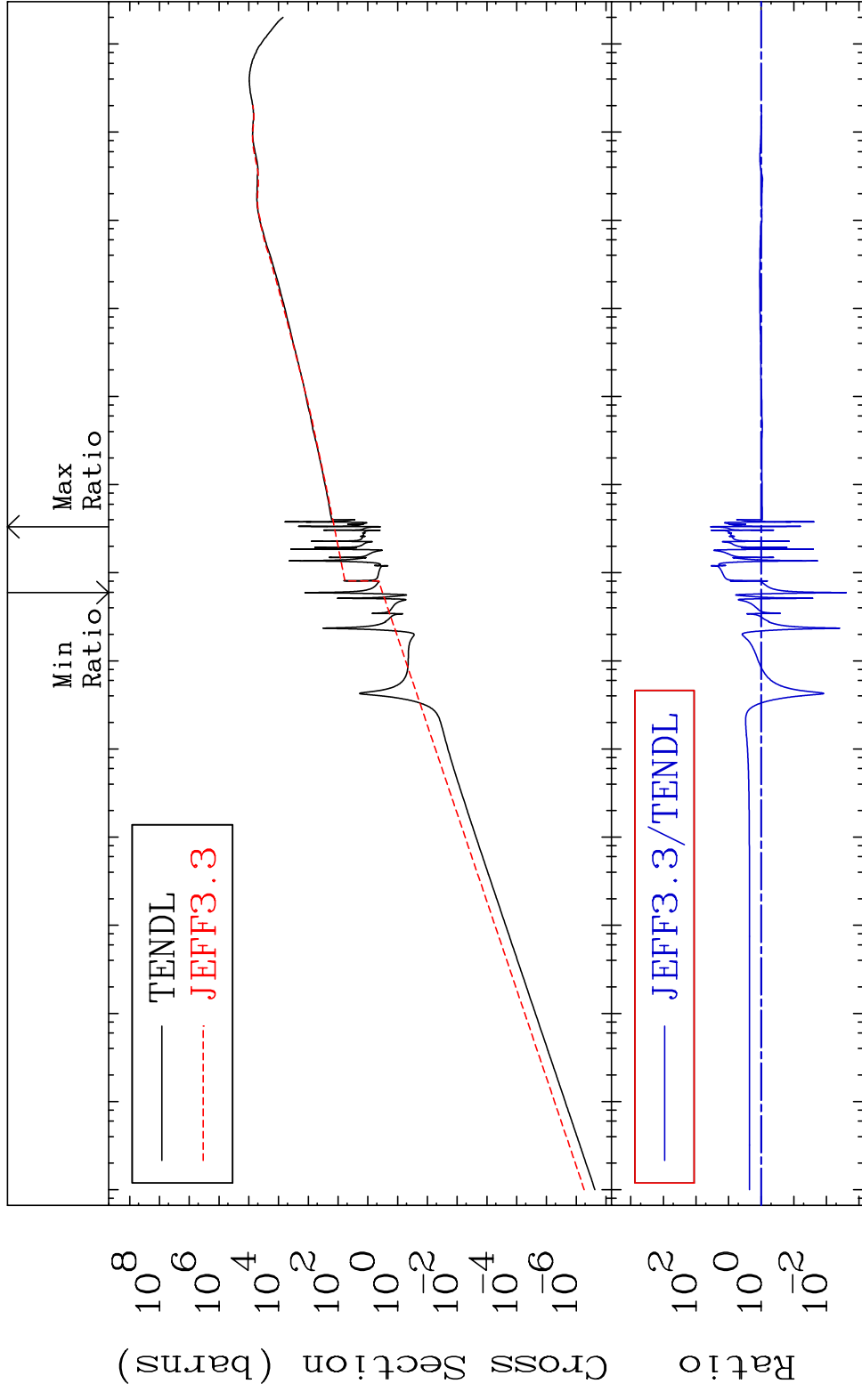


MAT 5452 Kerma total (eV-barns) 54-Xe-133
Cross Section -9999. To -18.62%



MAT 5452

Kerma elastic Cross Section -99.76 To 3436. %
54-Xe-133

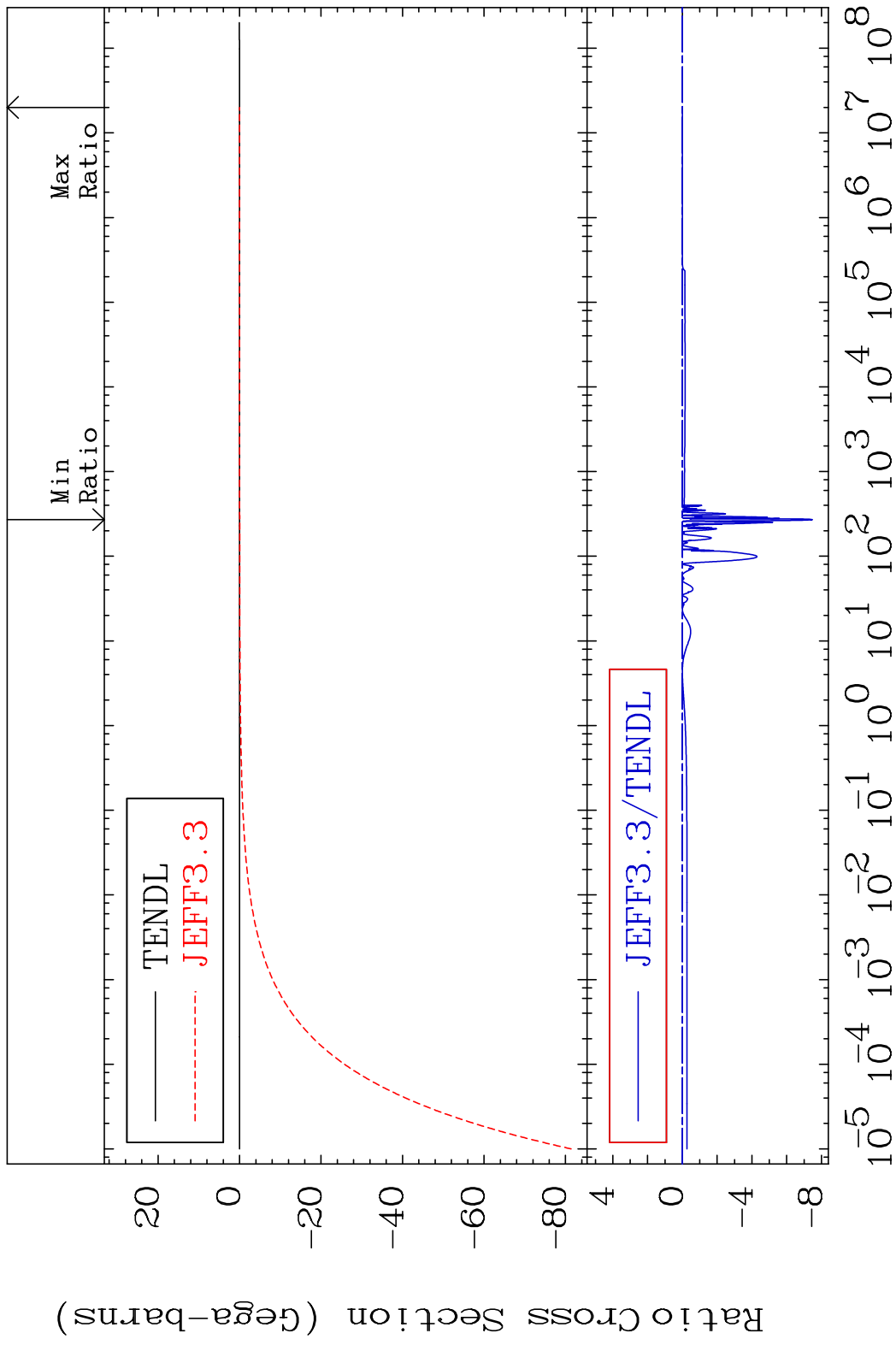


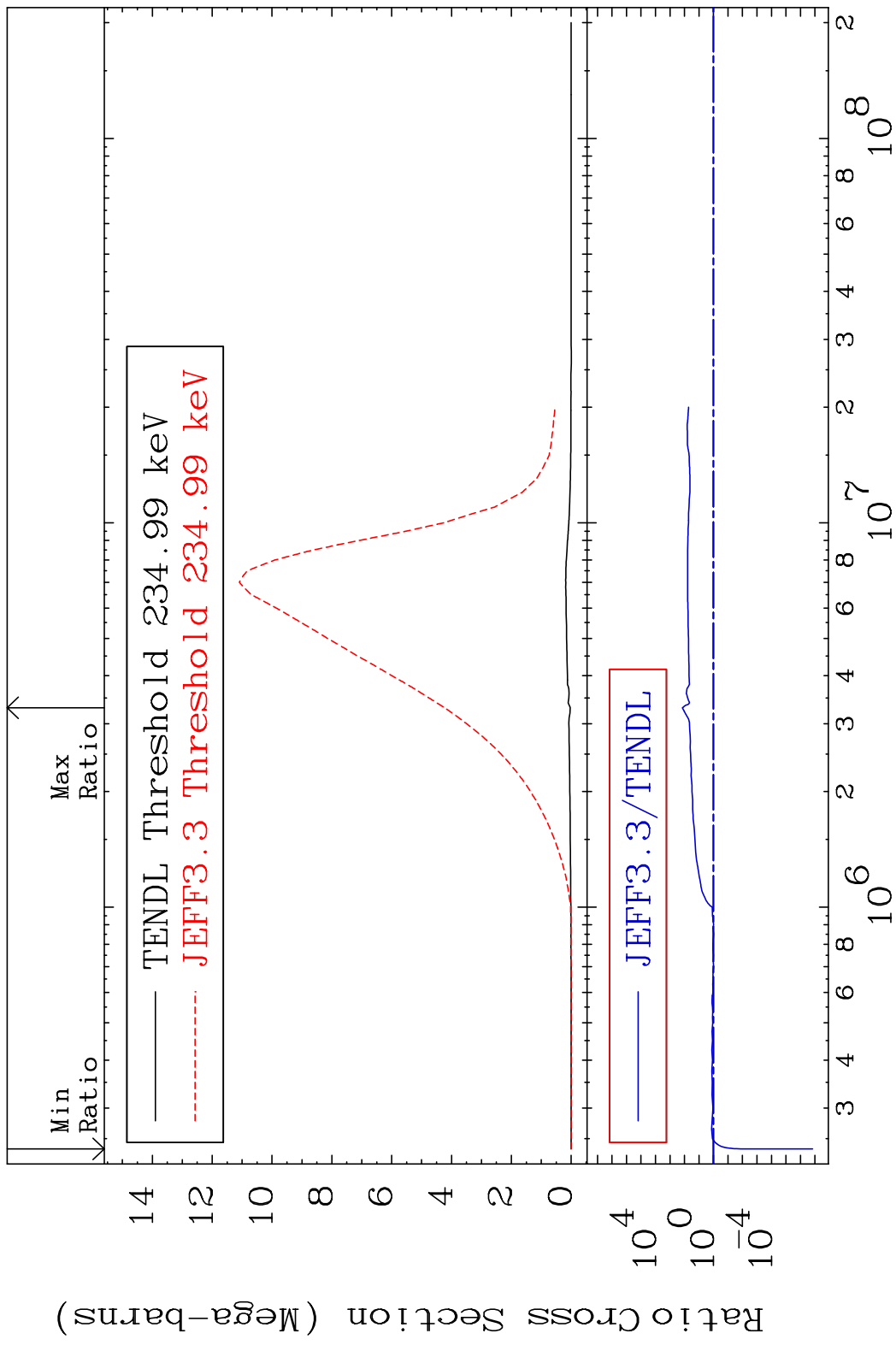
30

Incident Energy (eV)

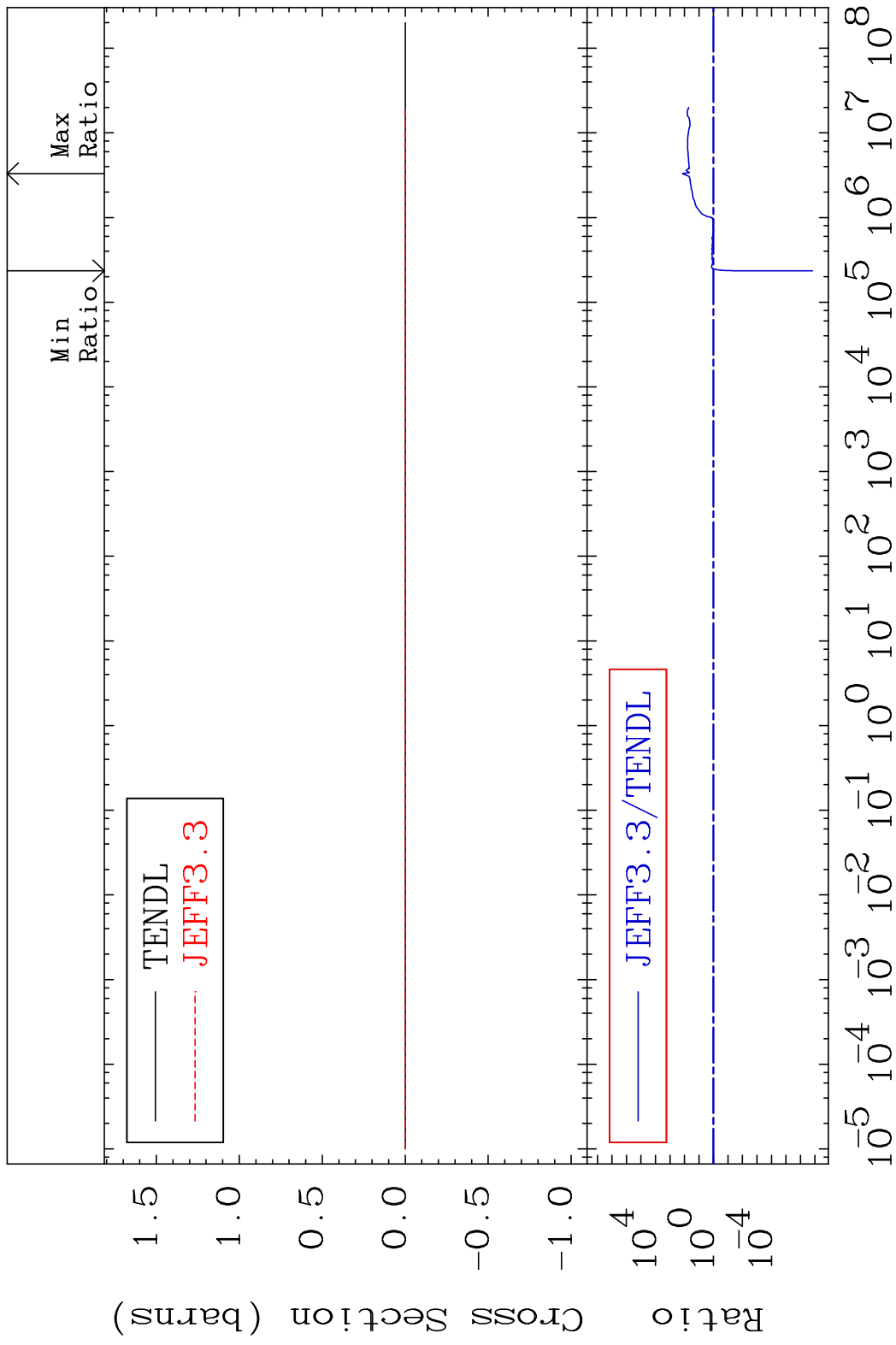
54-Xe-133

MAT 5452 Kerma non-elastic (all but mt2) 54-Xe-133
 Cross Section -9999. To -25.58%



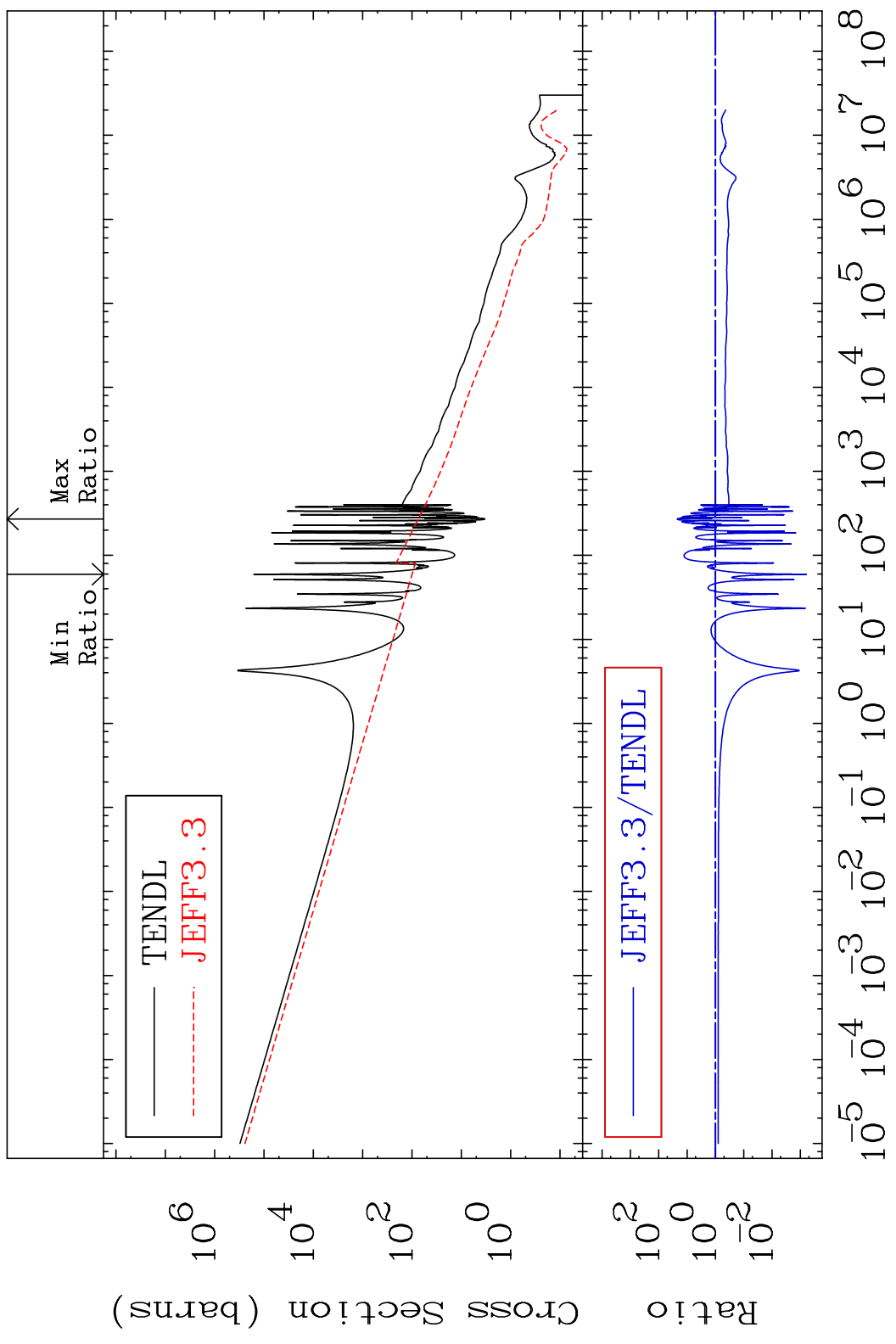


MAT 5452 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-133
 Cross Section -100.0 To 9999. %



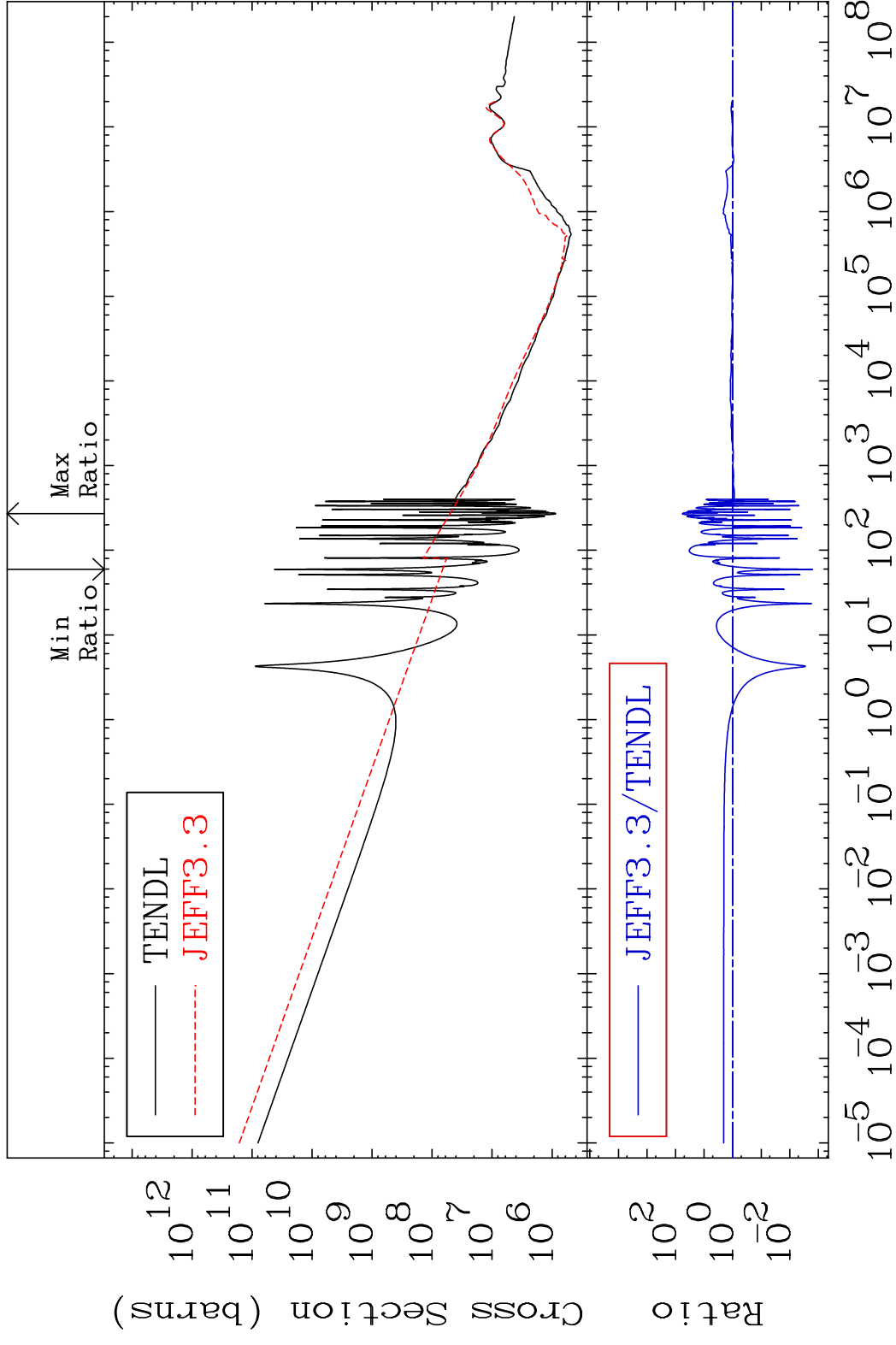
MAT 5452

Kerma capture (mt102) 54-Xe-133
Cross Section -99.94 To 2139. %

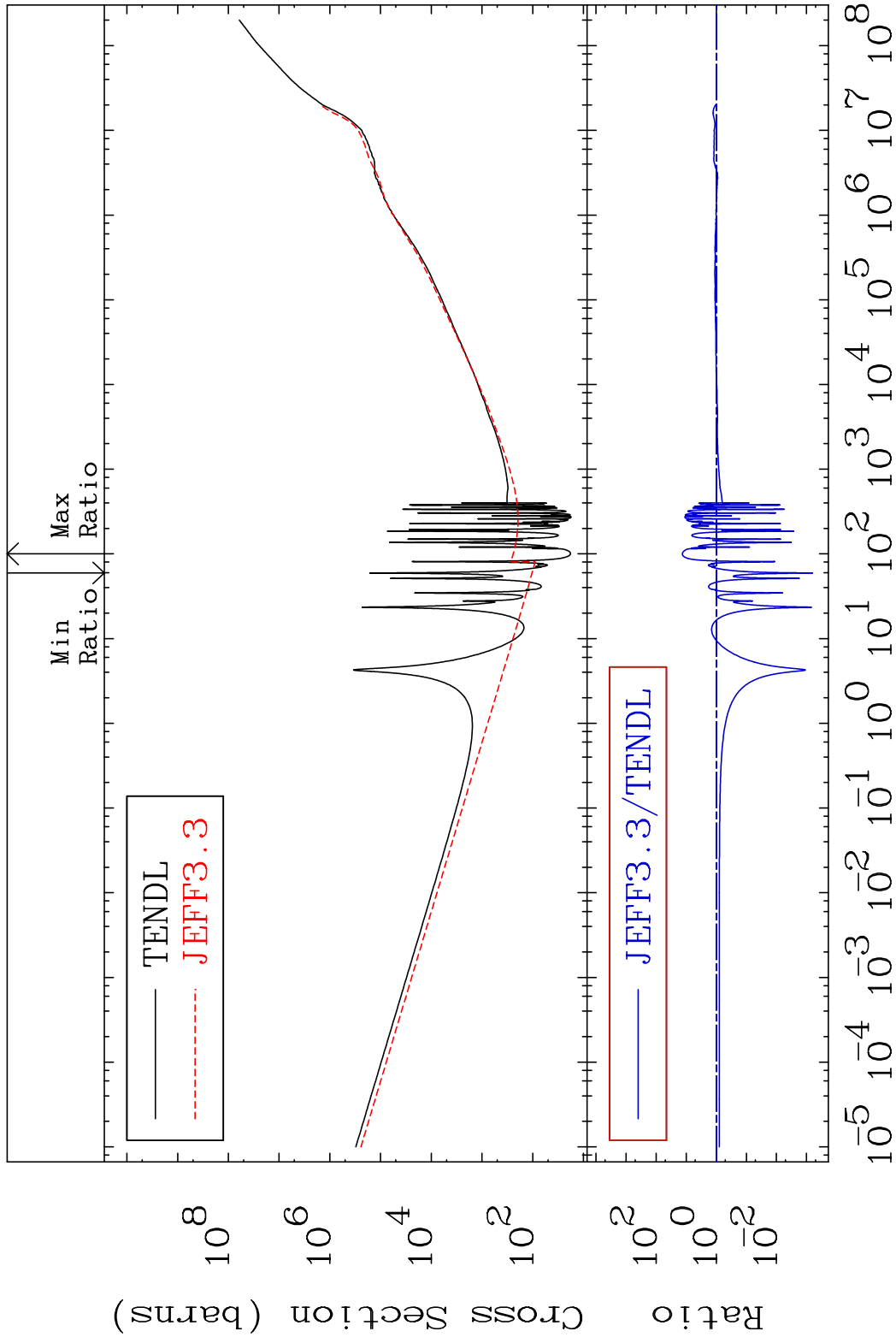


MAT 5452

Total photon (eV-barns) 54-Xe-133
Cross Section -99.84 To 5678. %



MAT 5452 Total kinematic kerma (high limit) 54-Xe-133
 Cross Section -99.94 To 1244. %

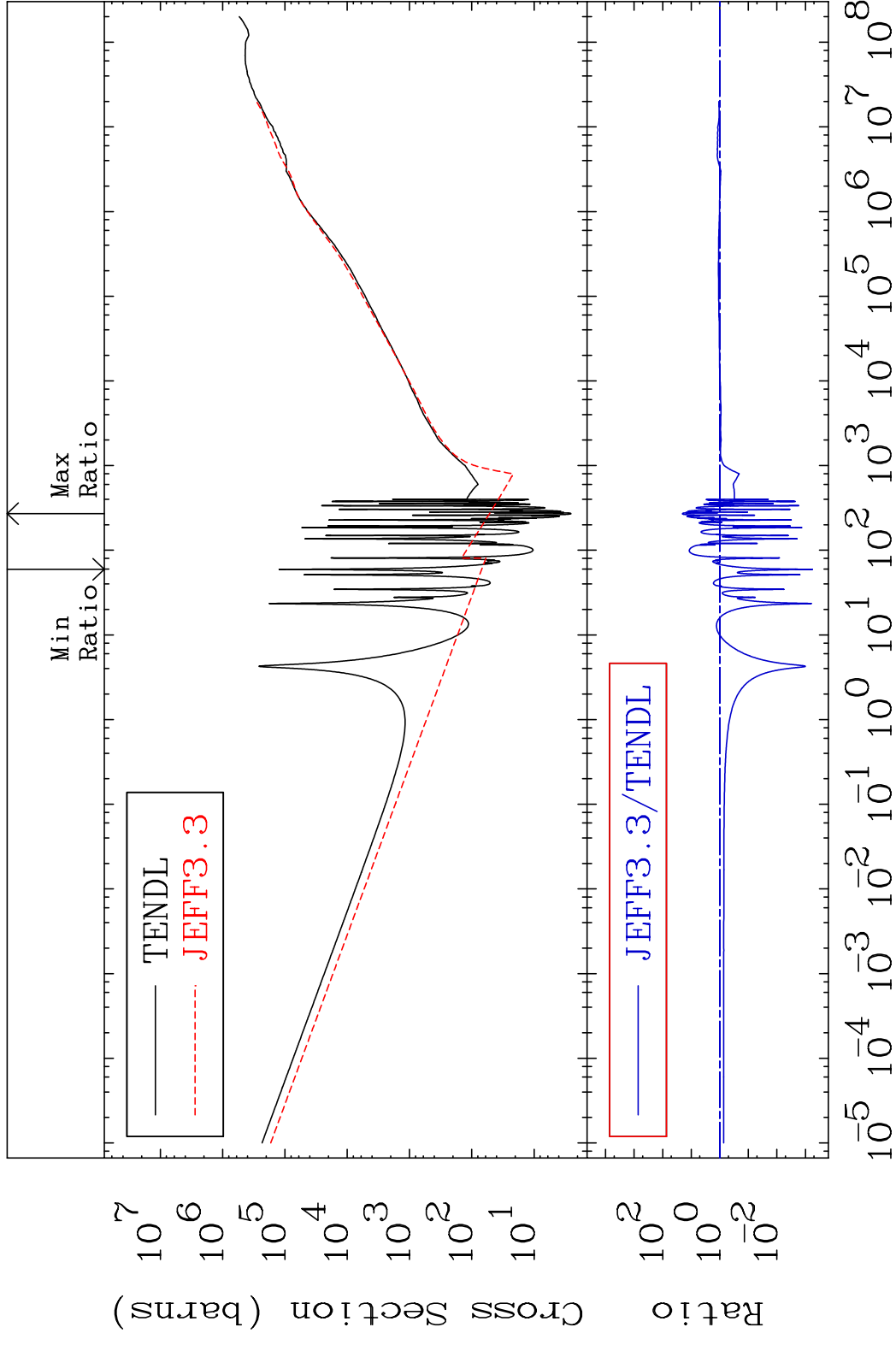


MAT 5452

Dpa total (eV-barns)

54-Xe-133

Cross Section -99.94 To 1945. %



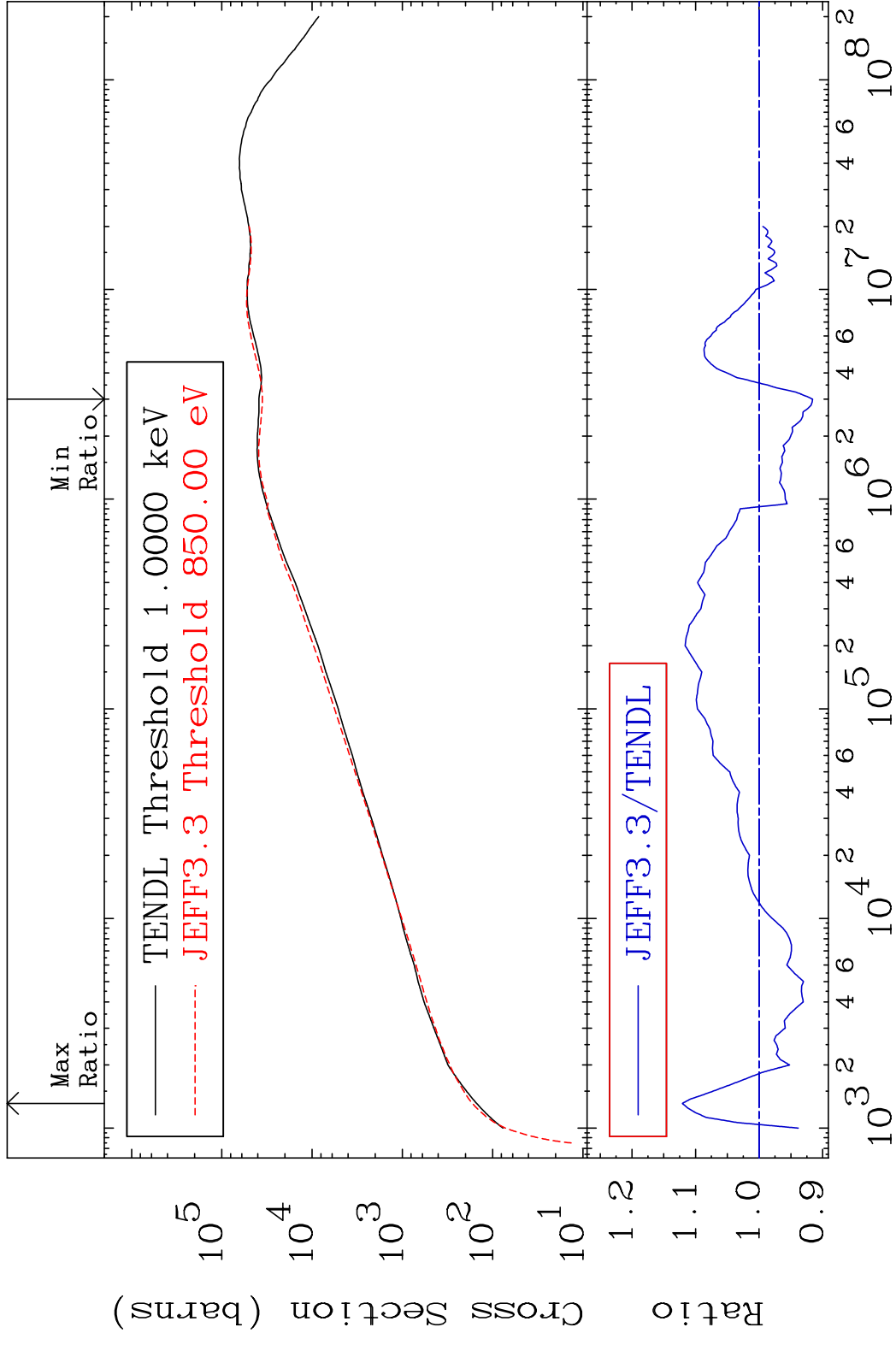
MAT 5452

Dpa elastic (mt2)

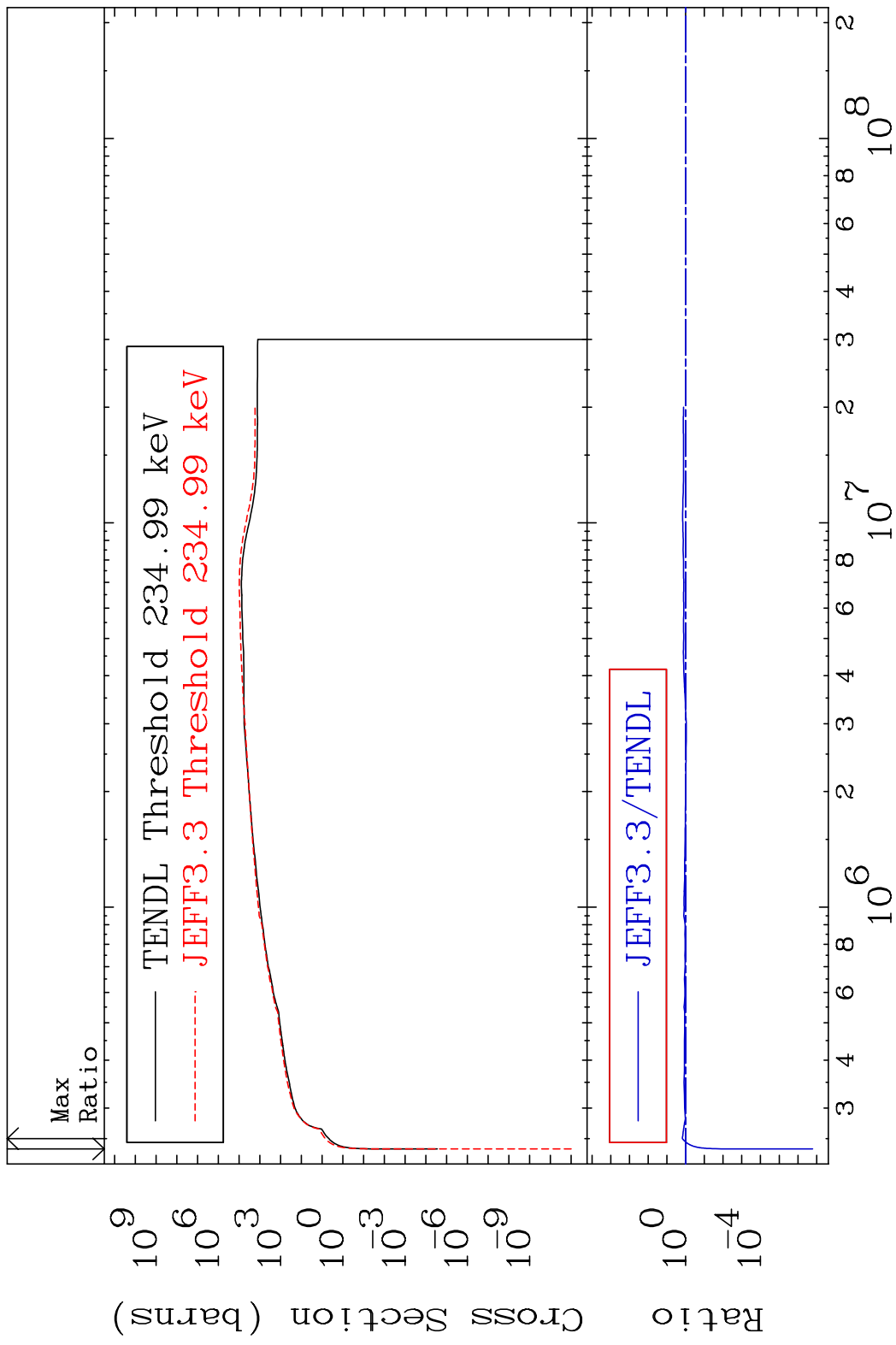
54-Xe-133

Cross Section

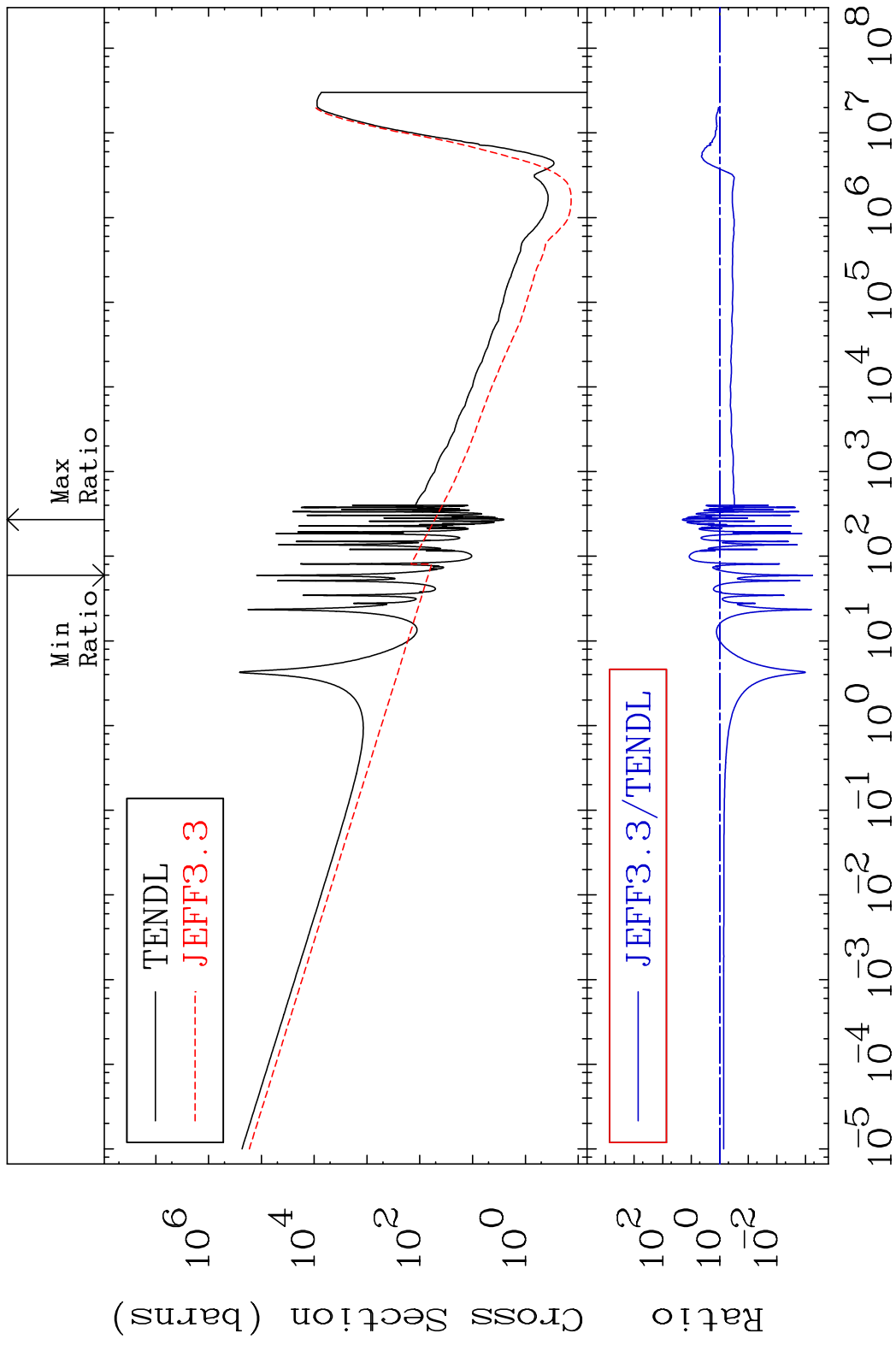
-8.406 To 12.08 %



MAT 5452 Dpa inelastic (mt51-91) 54-Xe-133
 Cross Section -100.0 To 49.42 %



MAT 5452 Dpa disappearance (mt102 -120) 54-Xe-133
 Cross Section -99.94 To 1945. %



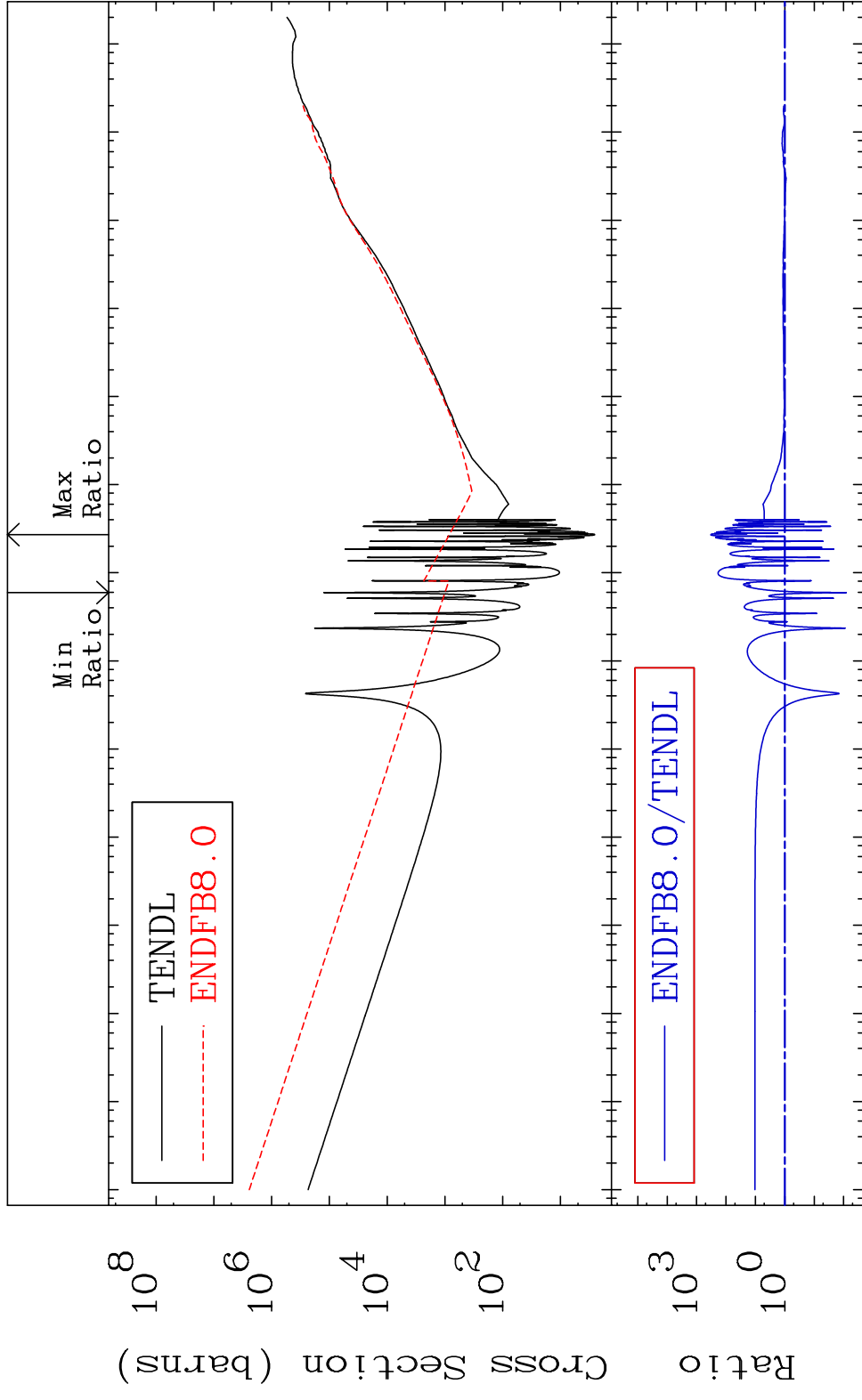
40 Incident Energy (eV) 54-Xe-133

MAT 5452

Dpa total (eV-barns)

54-Xe-133

Cross Section -99.19 To 9999. %



41

Incident Energy (eV)

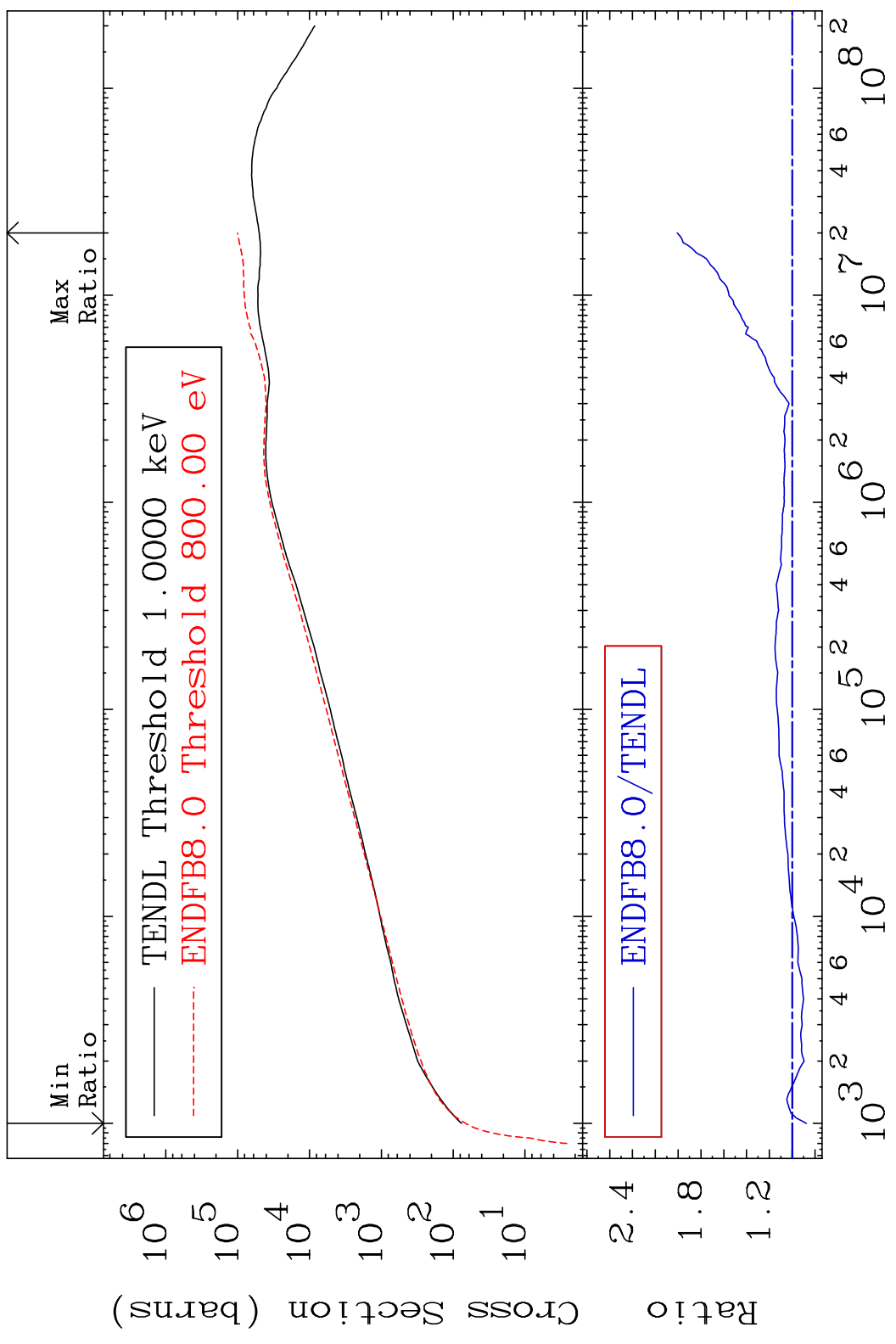
54-Xe-133

MAT 5452

Dpa elastic (mt2)

54-Xe-133

Cross Section -12.46 To 100.8 %

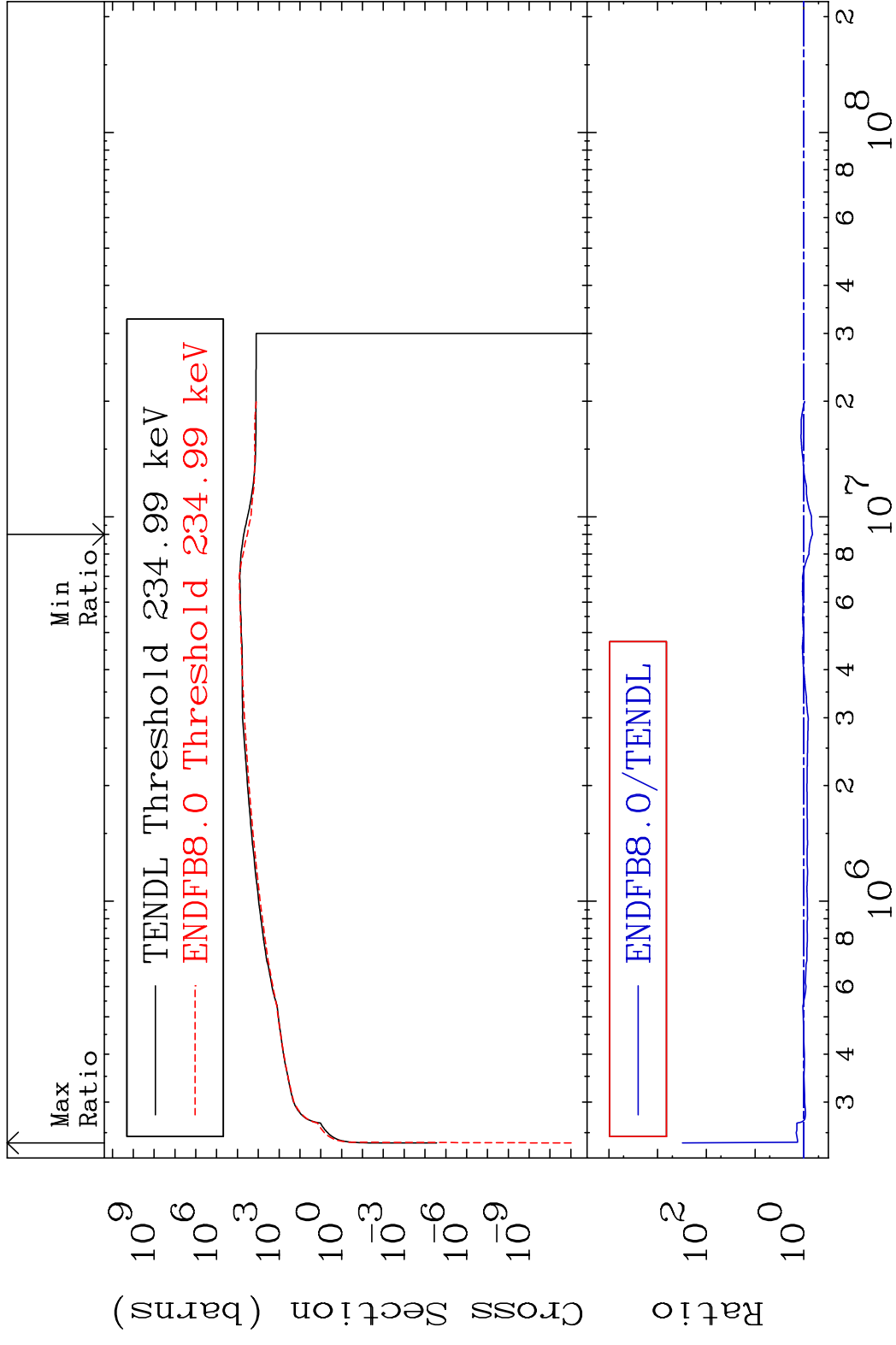


42

Incident Energy (eV)

54-Xe-133

MAT 5452 Dpa inelastic (mt51-91) 54-Xe-133
 Cross Section -33.83 To 9999. %



MAT 5452 Dpa disappearance (mt102 -120) 54-Xe-133
 Cross Section -99.19 To 9999. %

