

Program Complot
(Version 2017-1)

by

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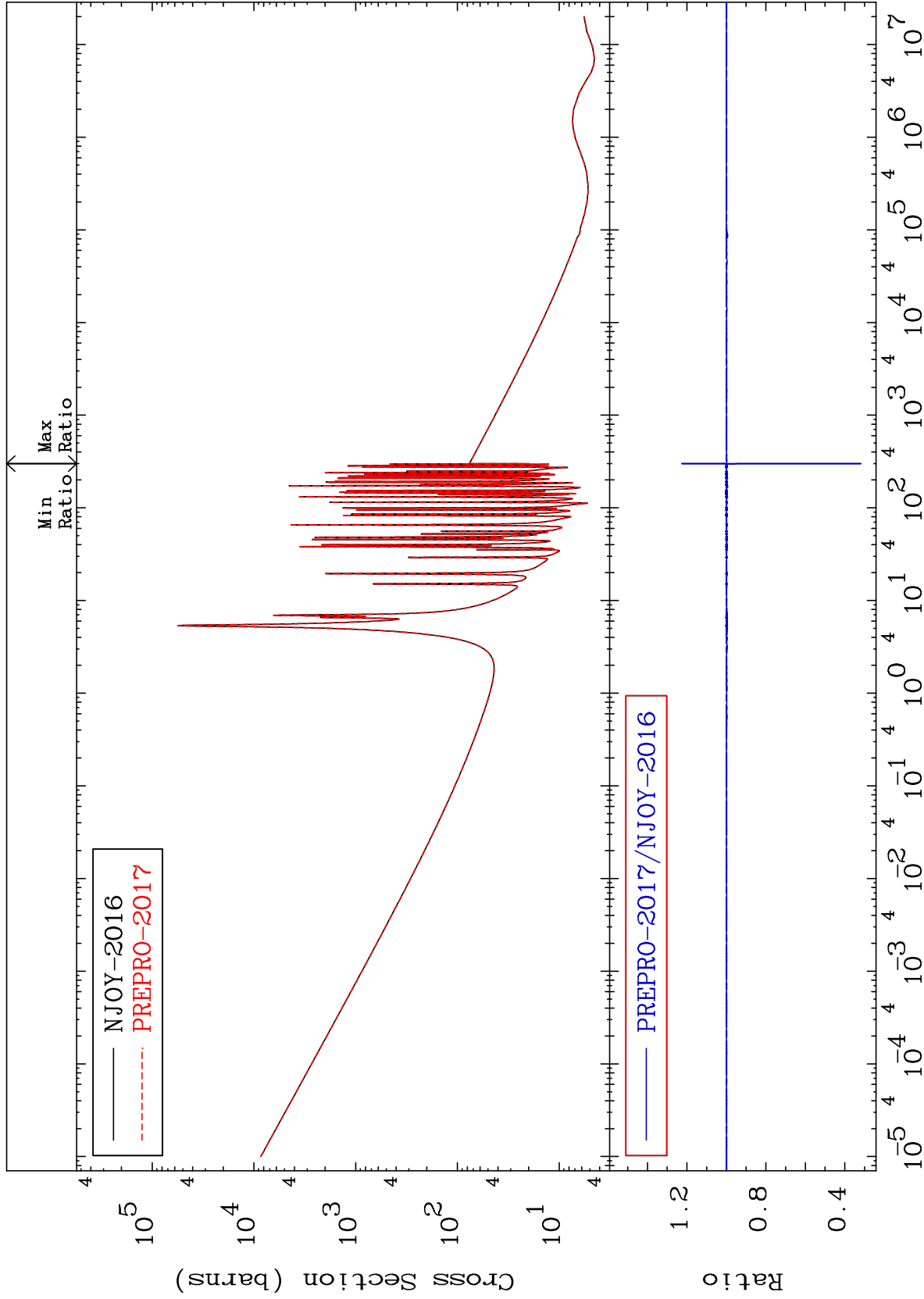
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E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6149

Total Cross Section
61-Pm-147
-68.11 To 22.53 %



61-Pm-147

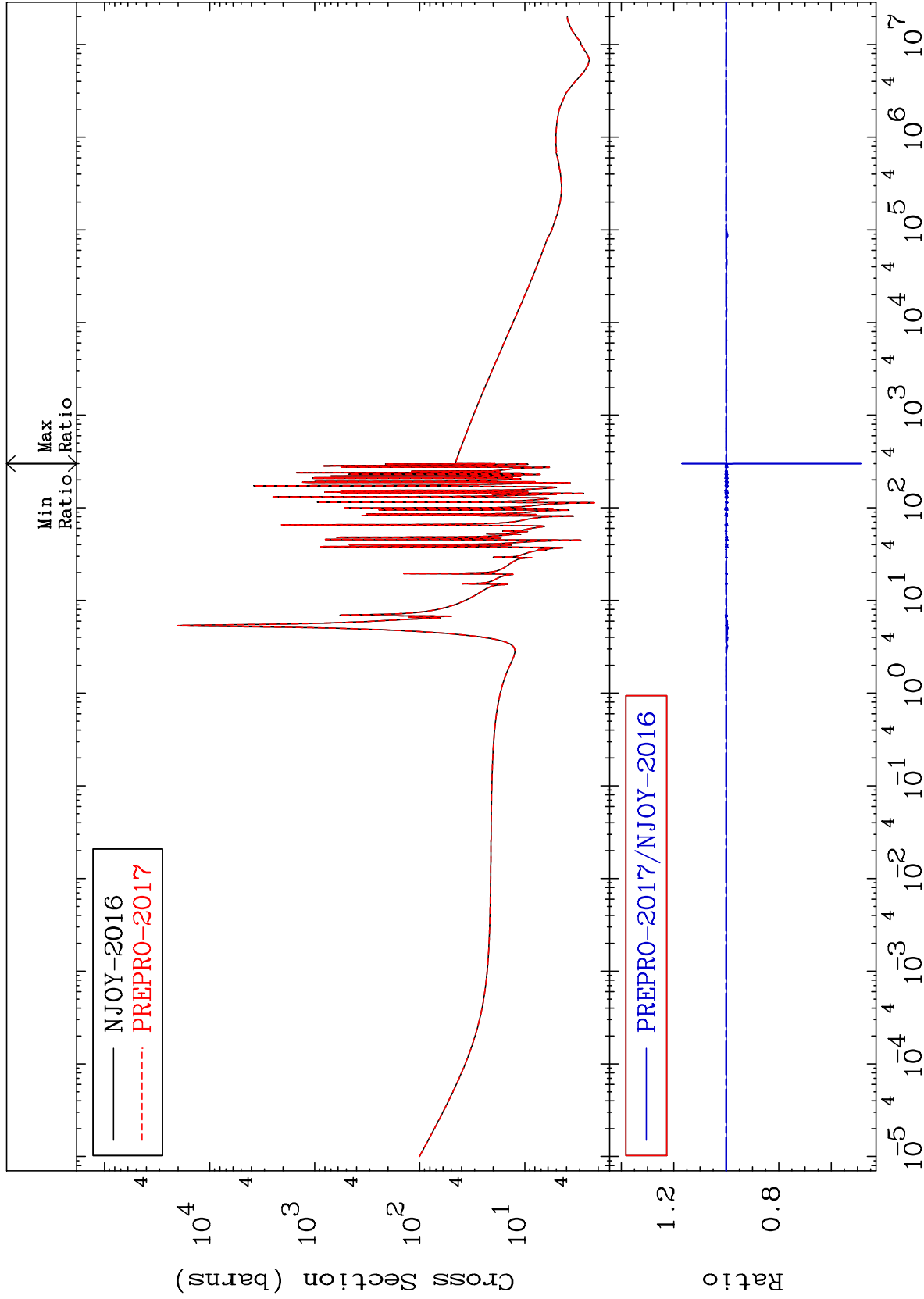
Incident Energy (eV)

1

MAT 6149

Elastic
Cross Section

61-Pm-147
-51.31 To 16.87 %



2

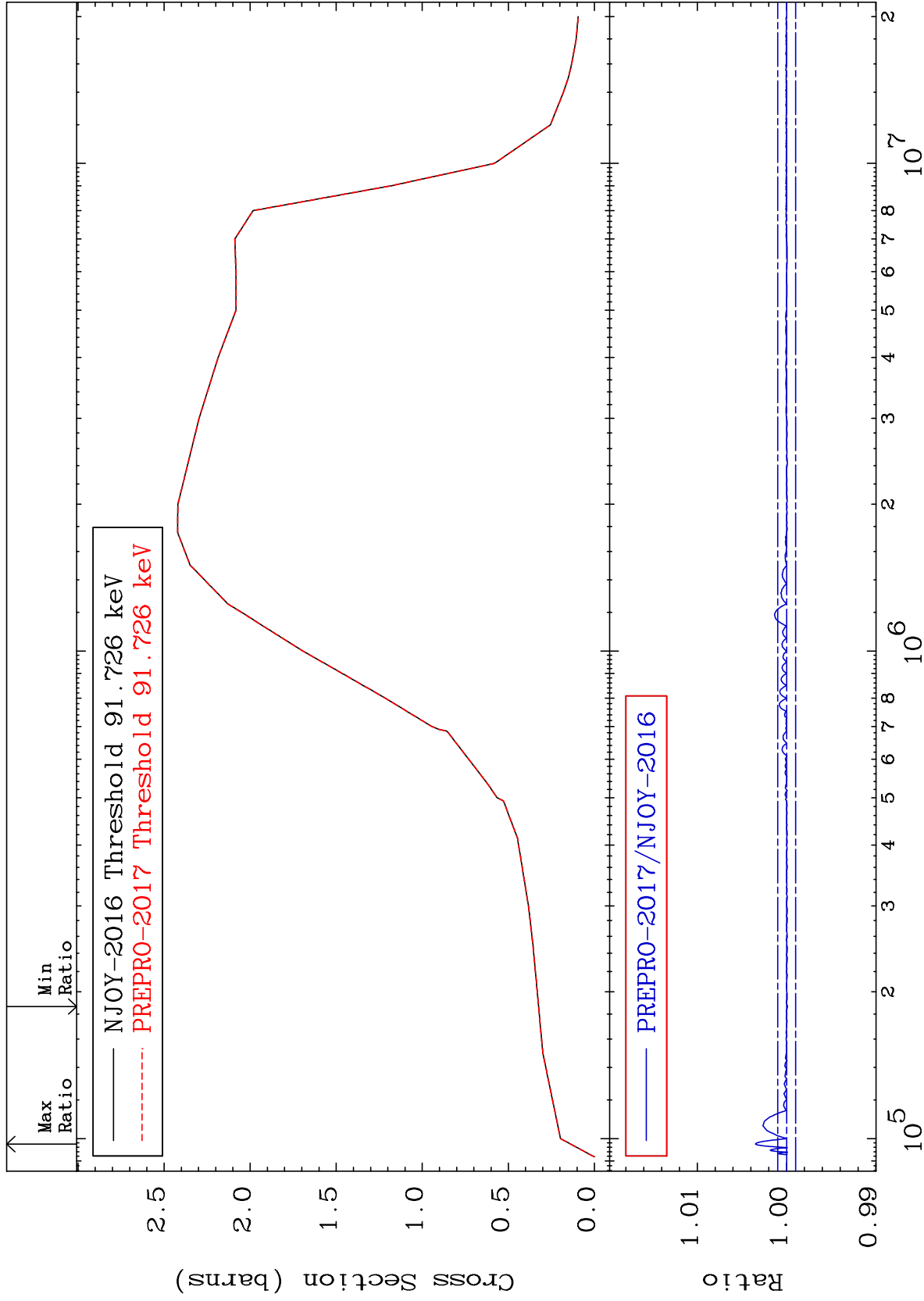
Incident Energy (eV)

61-Pm-147

MAT 6149

Inelastic
Cross Section

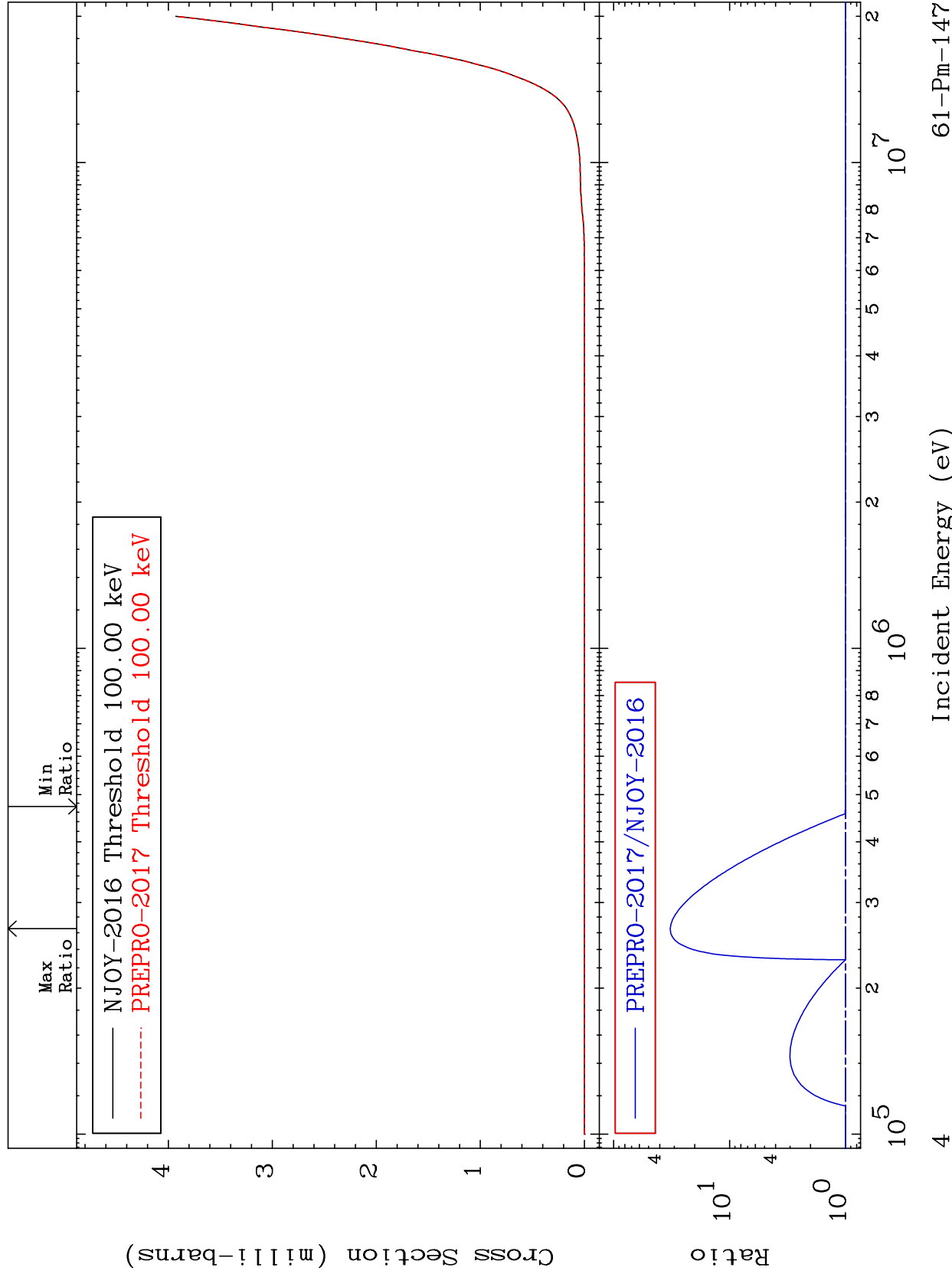
61-Pm-147
-0.010 To 0.350 %



MAT 6149

(n, n') α
Cross Section

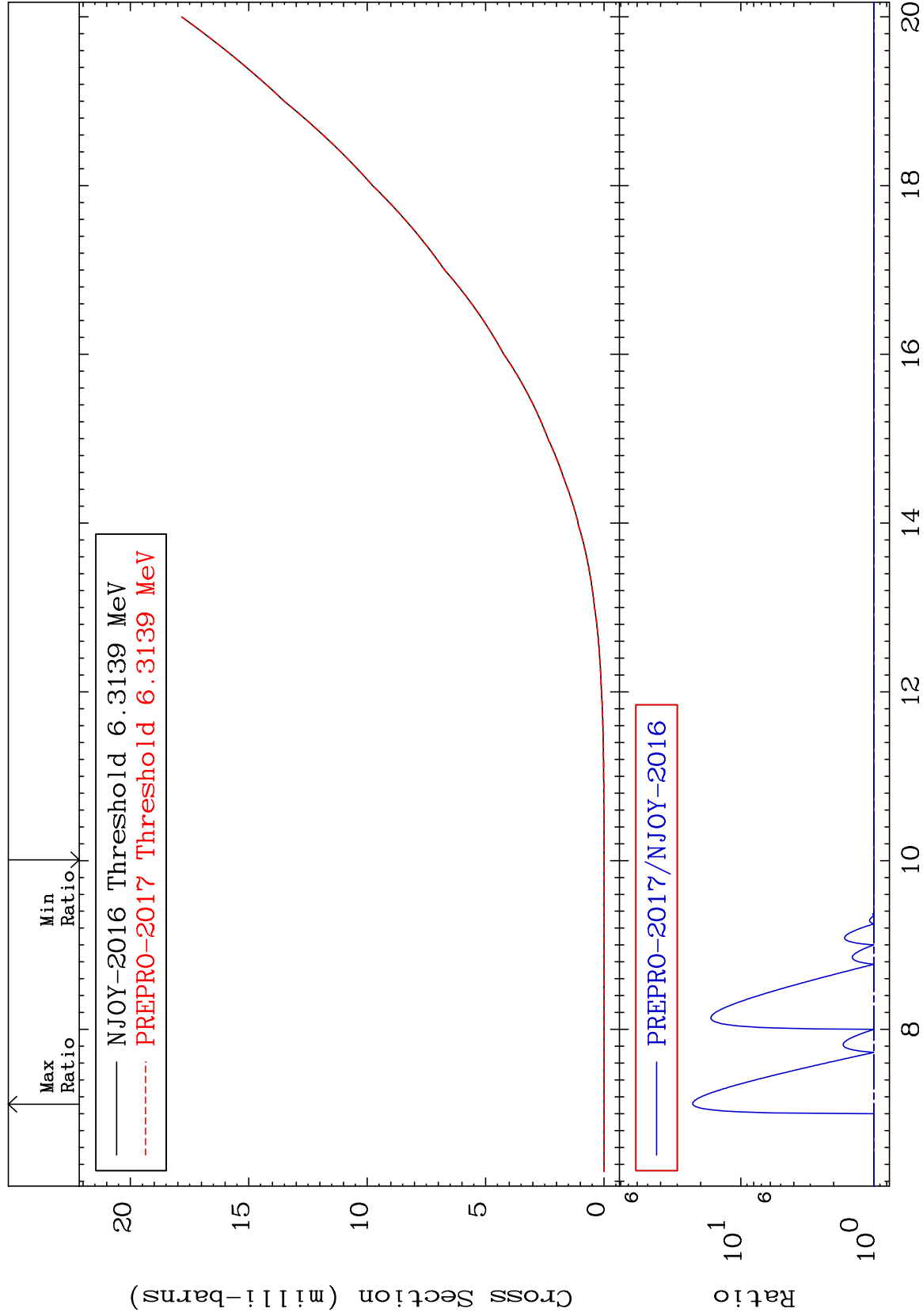
61-Pm-147
-0.346 To 3150. %



MAT 6149

(n, n') p
Cross Section

61-Pm-147
-0.387 To 2196. %



5

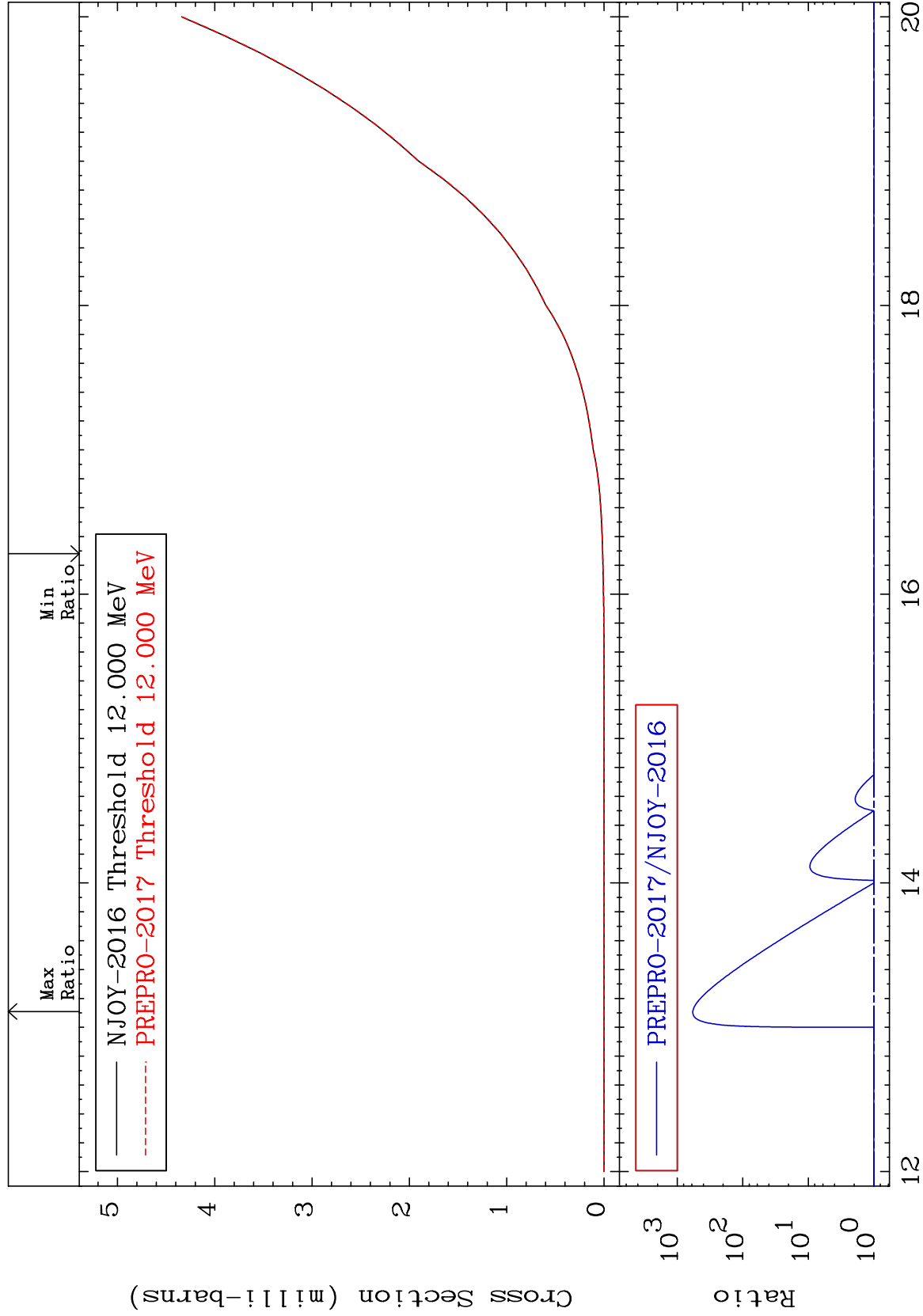
Incident Energy (MeV)

61-Pm-147

MAT 6149

(n, n') d
Cross Section

61-Pm-147
-0.443 To 9999. %



6

Incident Energy (MeV)

61-Pm-147

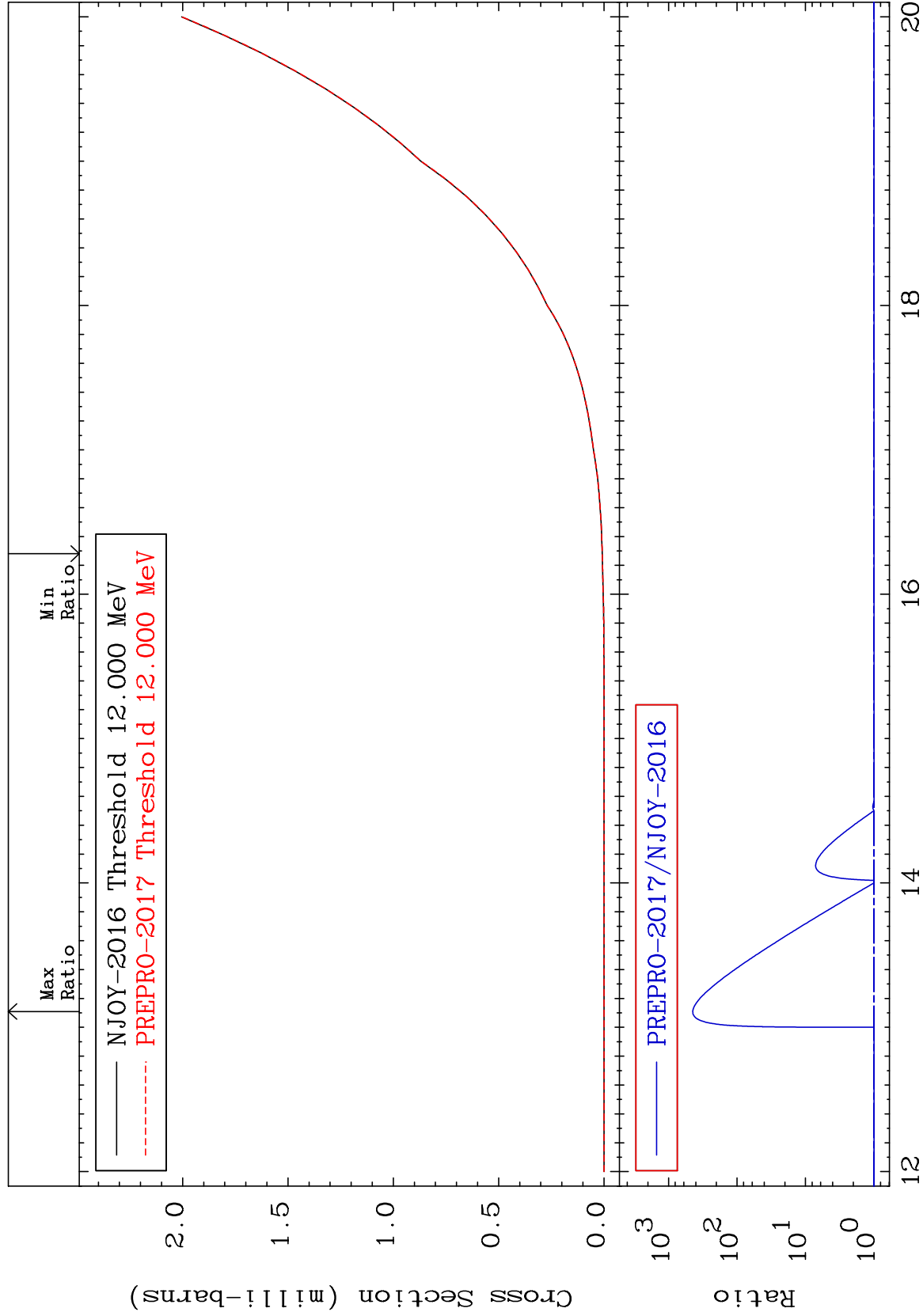
MAT 6149

(n, n') t

61-Pm-147

Cross Section

-0.311 To 9999. %



7

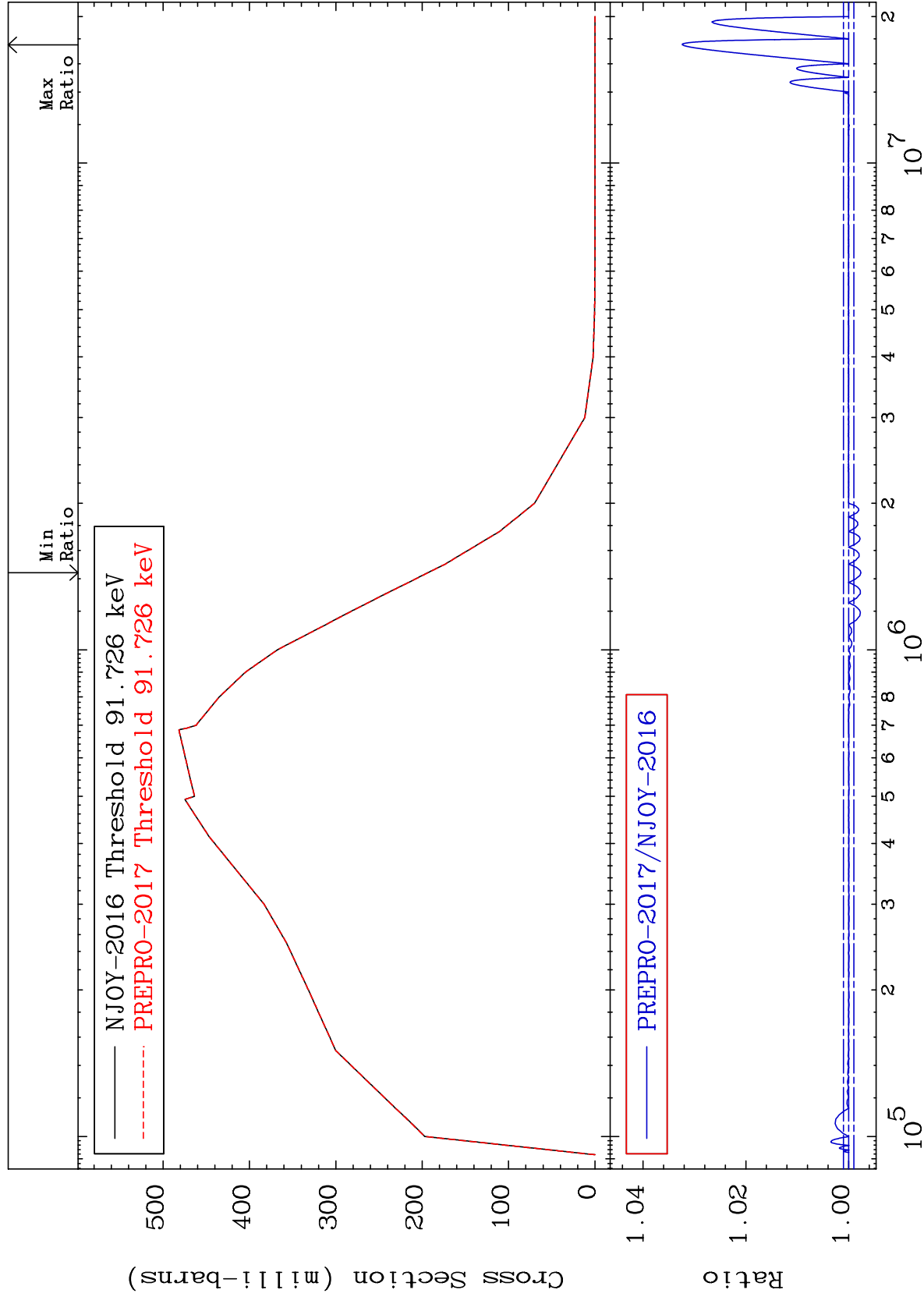
Incident Energy (MeV)

61-Pm-147

MAT 6149

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

61-Pm-147
-0.238 To 3.235 %



8

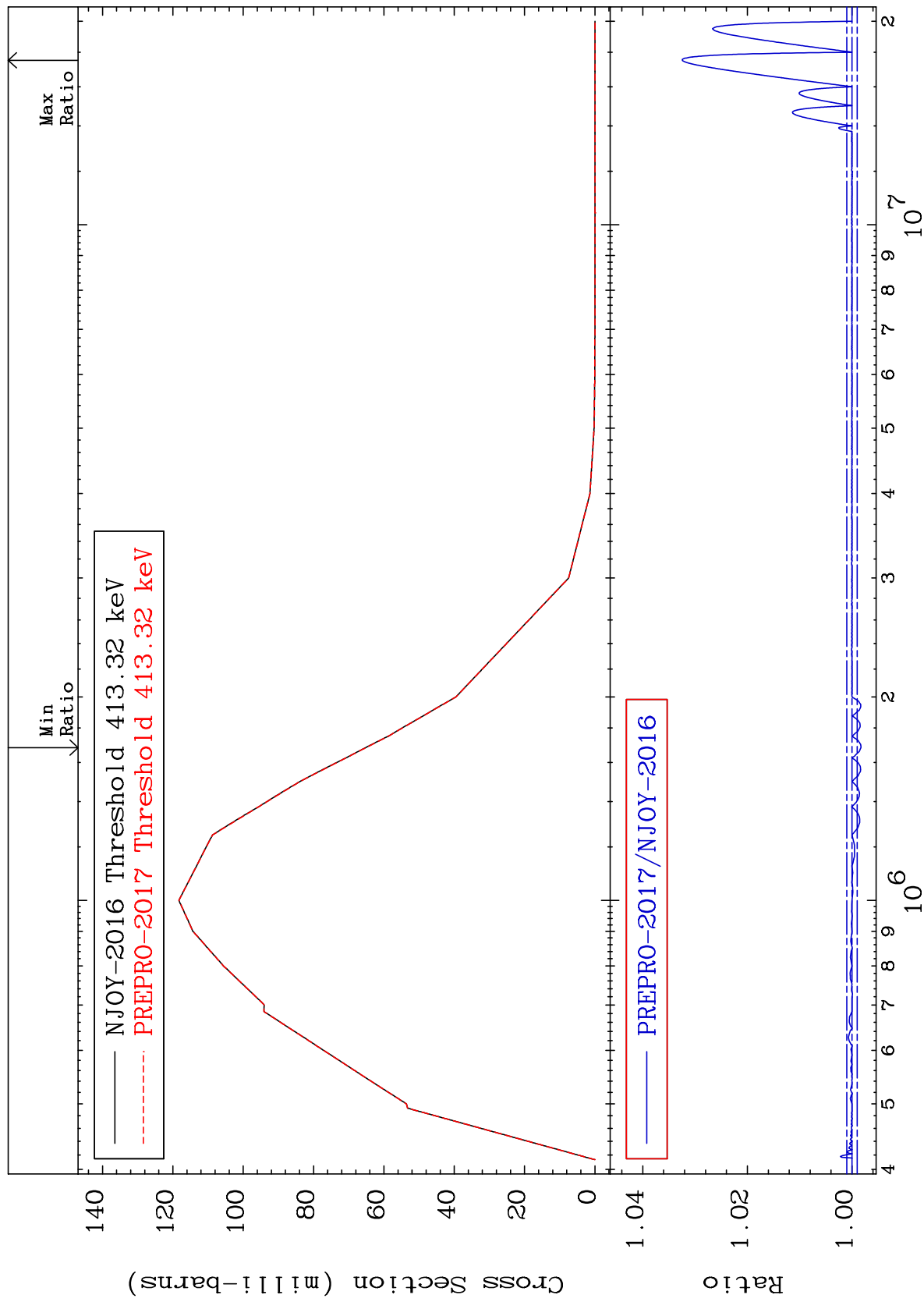
Incident Energy (eV)

61-Pm-147

MAT 6149

MT= 52 (n,n') Level
Cross Section

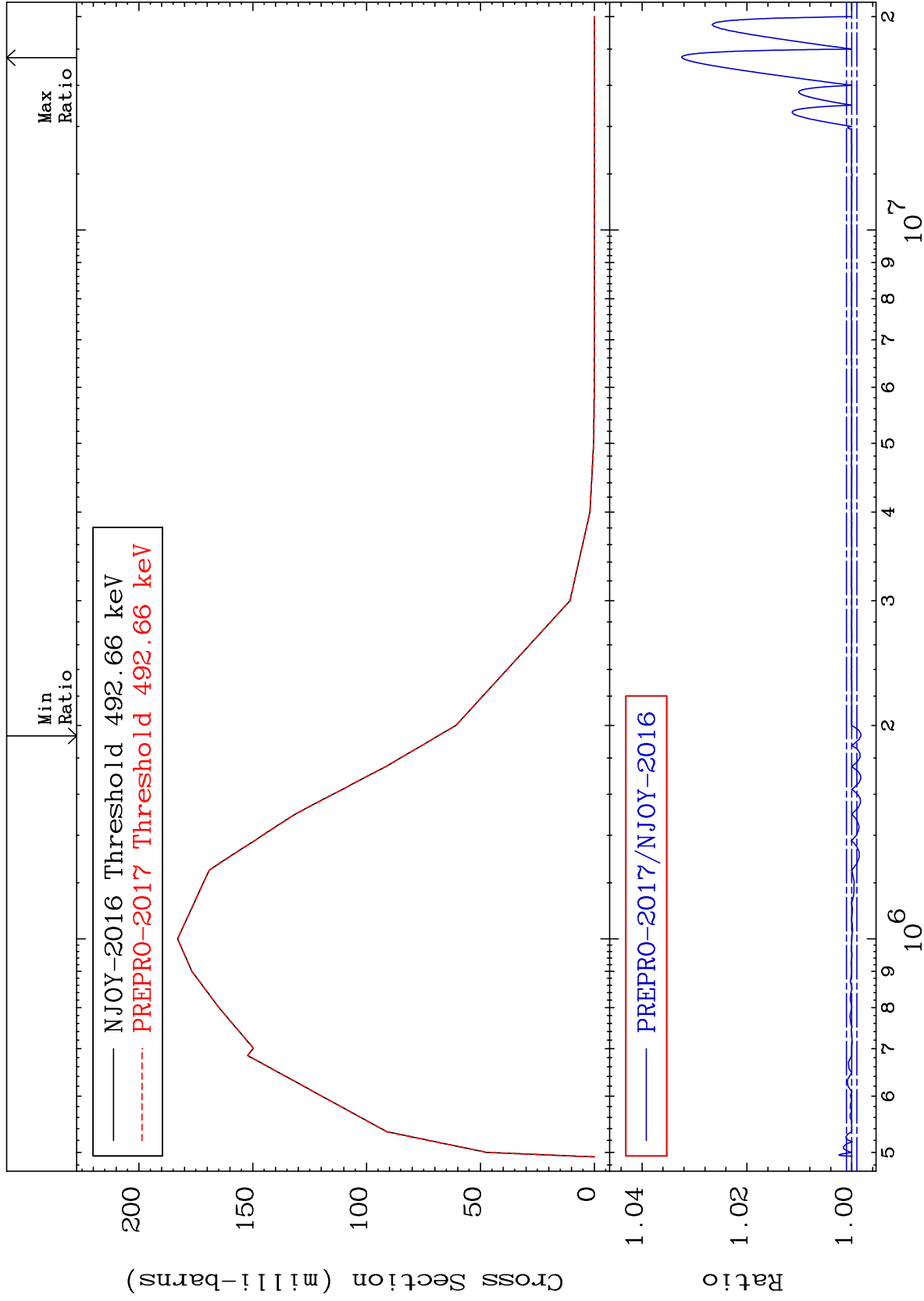
61-Pm-147
-0.171 To 3.243 %



MAT 6149

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

61-Pm-147
-0.174 To 3.239 %



10

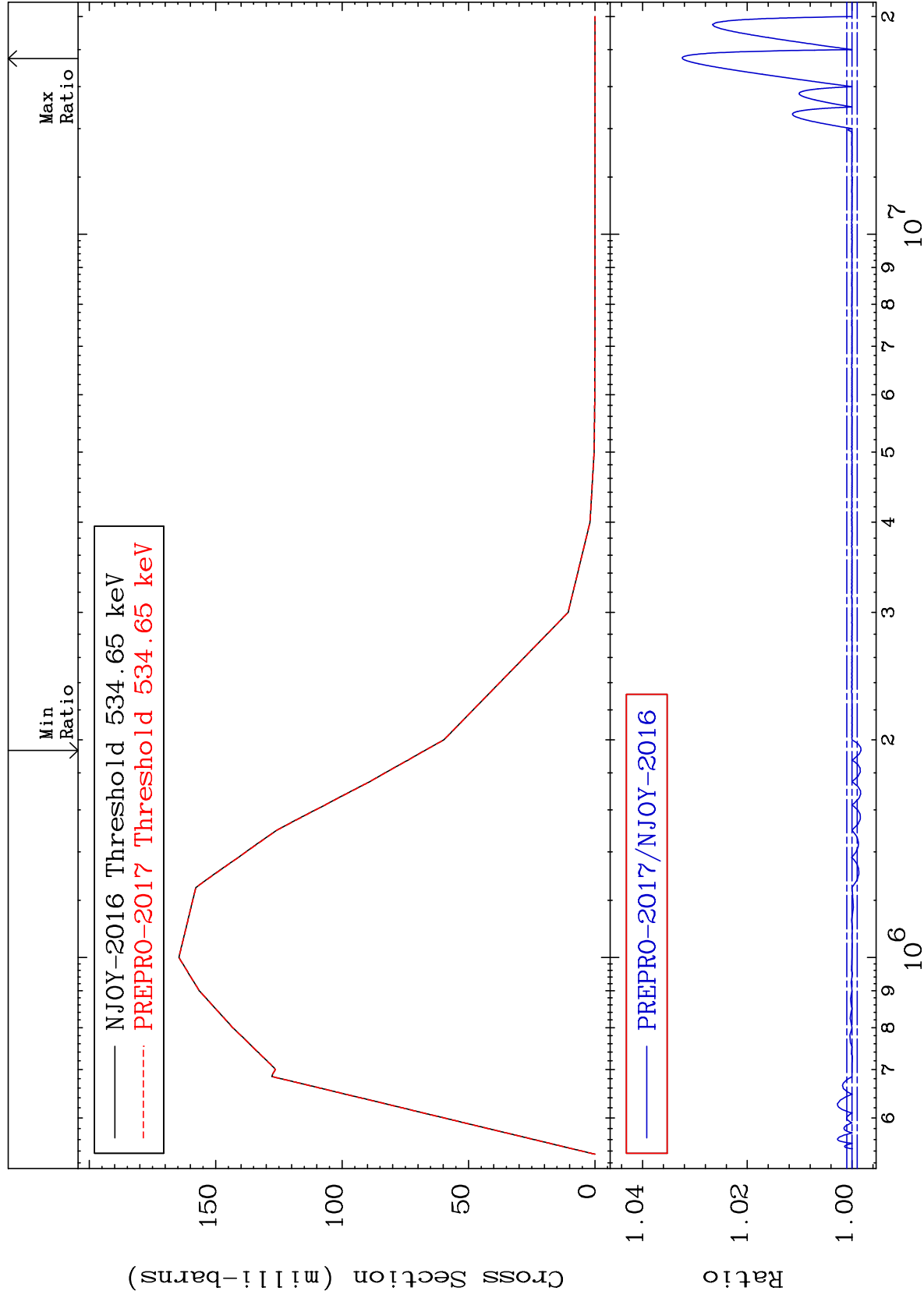
Incident Energy (eV)

61-Pm-147

MAT 6149

MT= 54 (n,n') Level
Cross Section

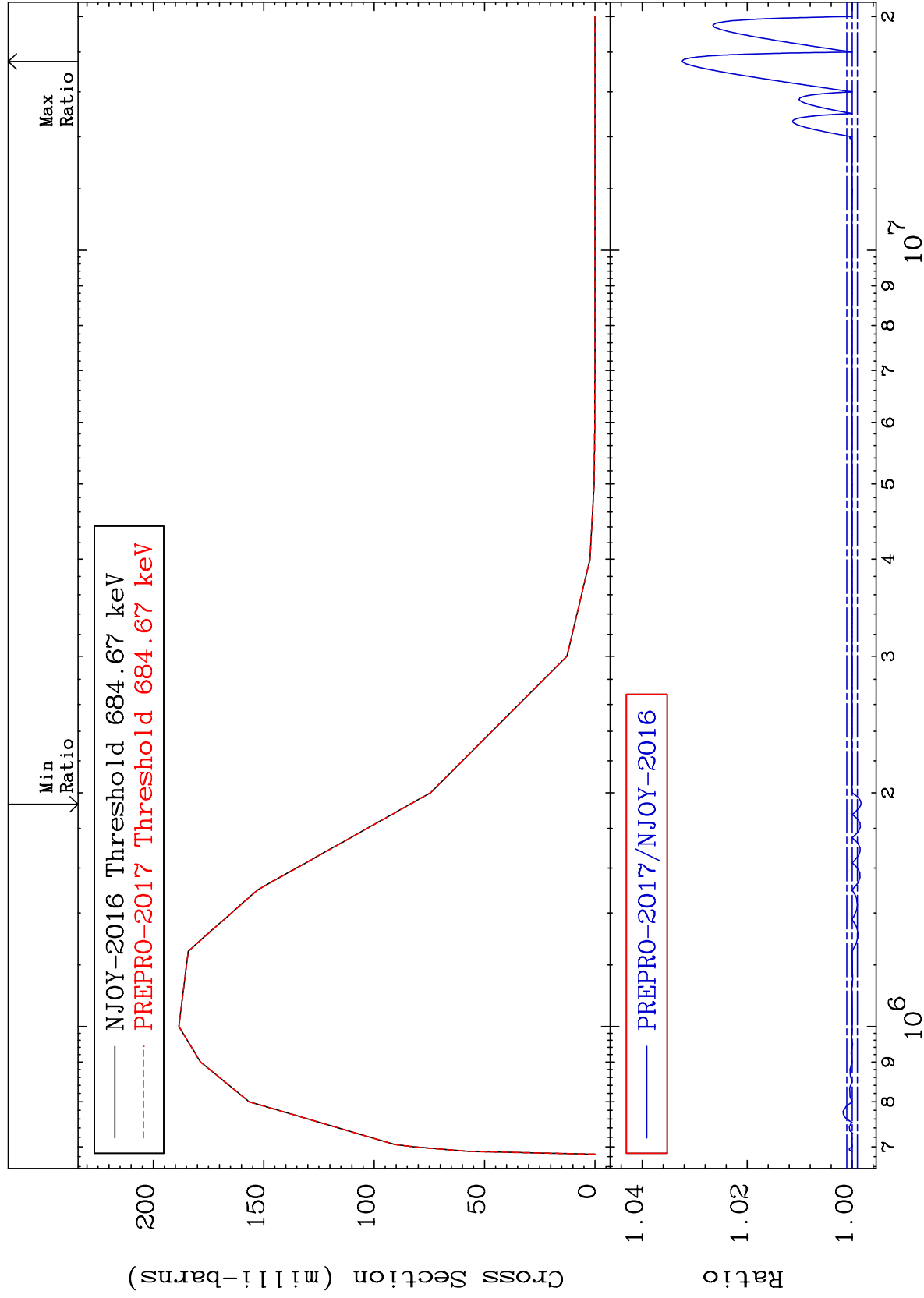
61-Pm-147
-0.170 To 3.239 %



MAT 6149

MT= 55 (n,n') Level
Cross Section

61-Pm-147
-0.168 To 3.234 %



12

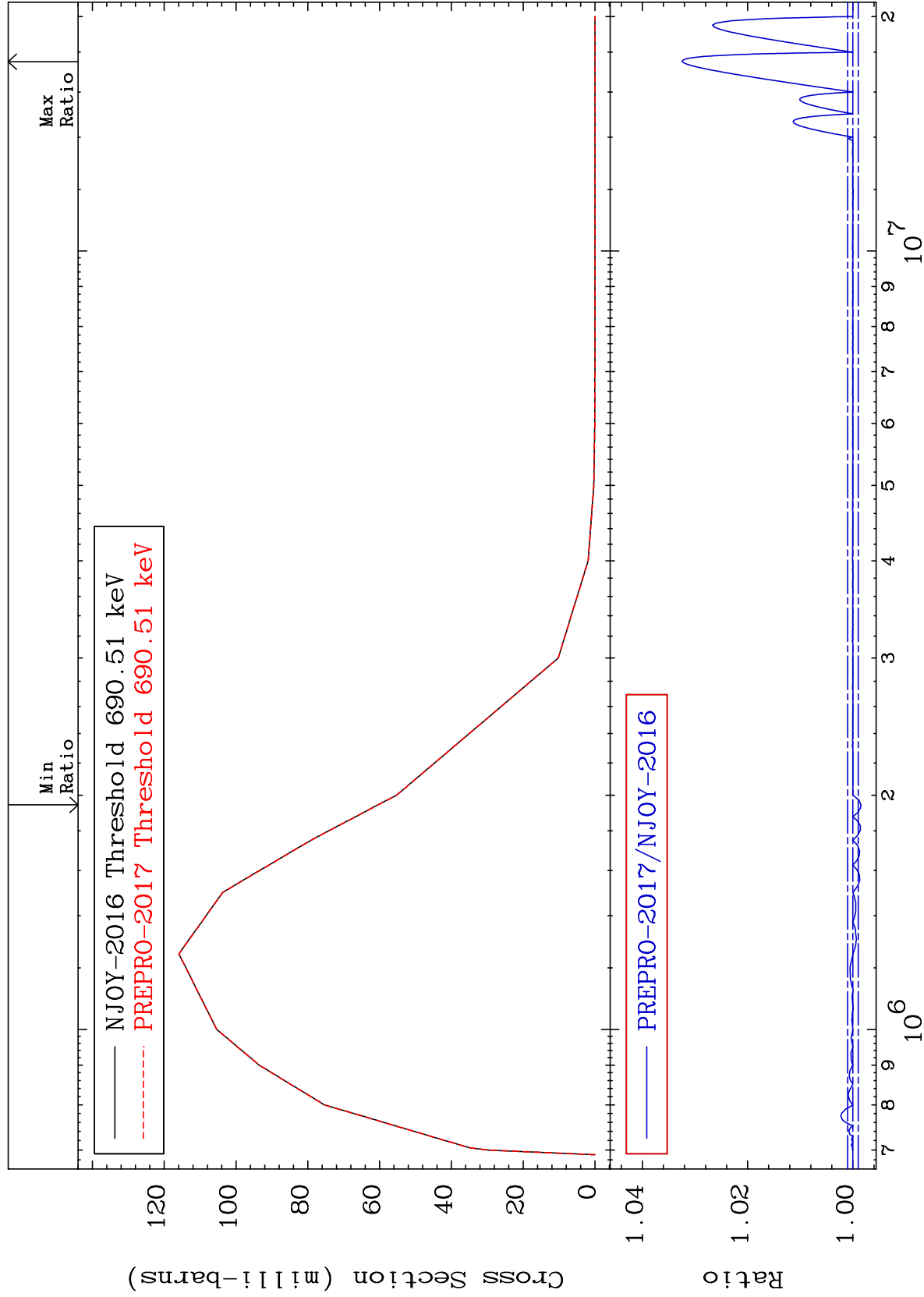
Incident Energy (eV)

61-Pm-147

MAT 6149

MT= 56 (n,n') Level
Cross Section

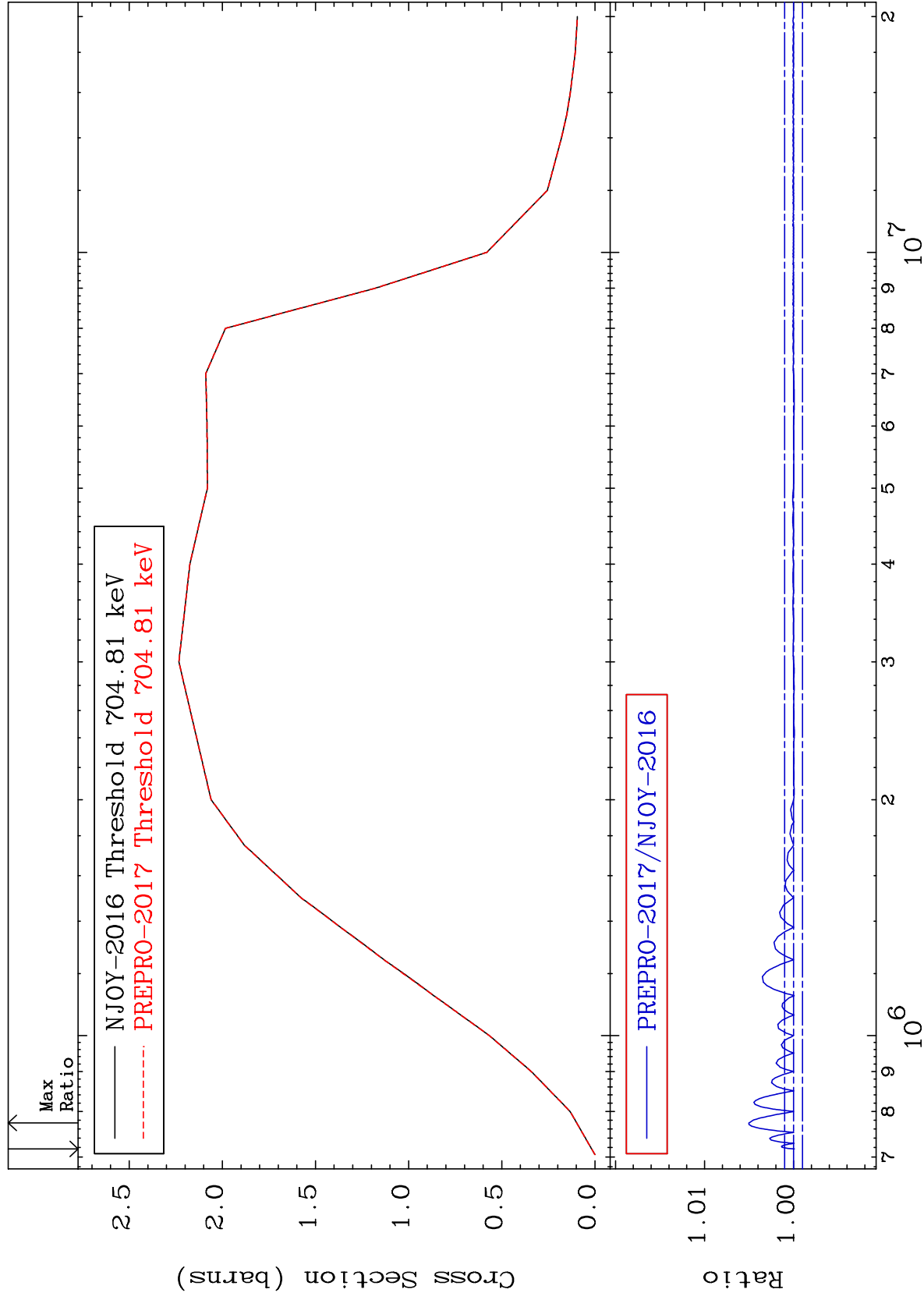
61-Pm-147
-0.152 To 3.240 %



MAT 6149

(n, n') Continuum
Cross Section

61-Pm-147
-0.009 To 0.502 %

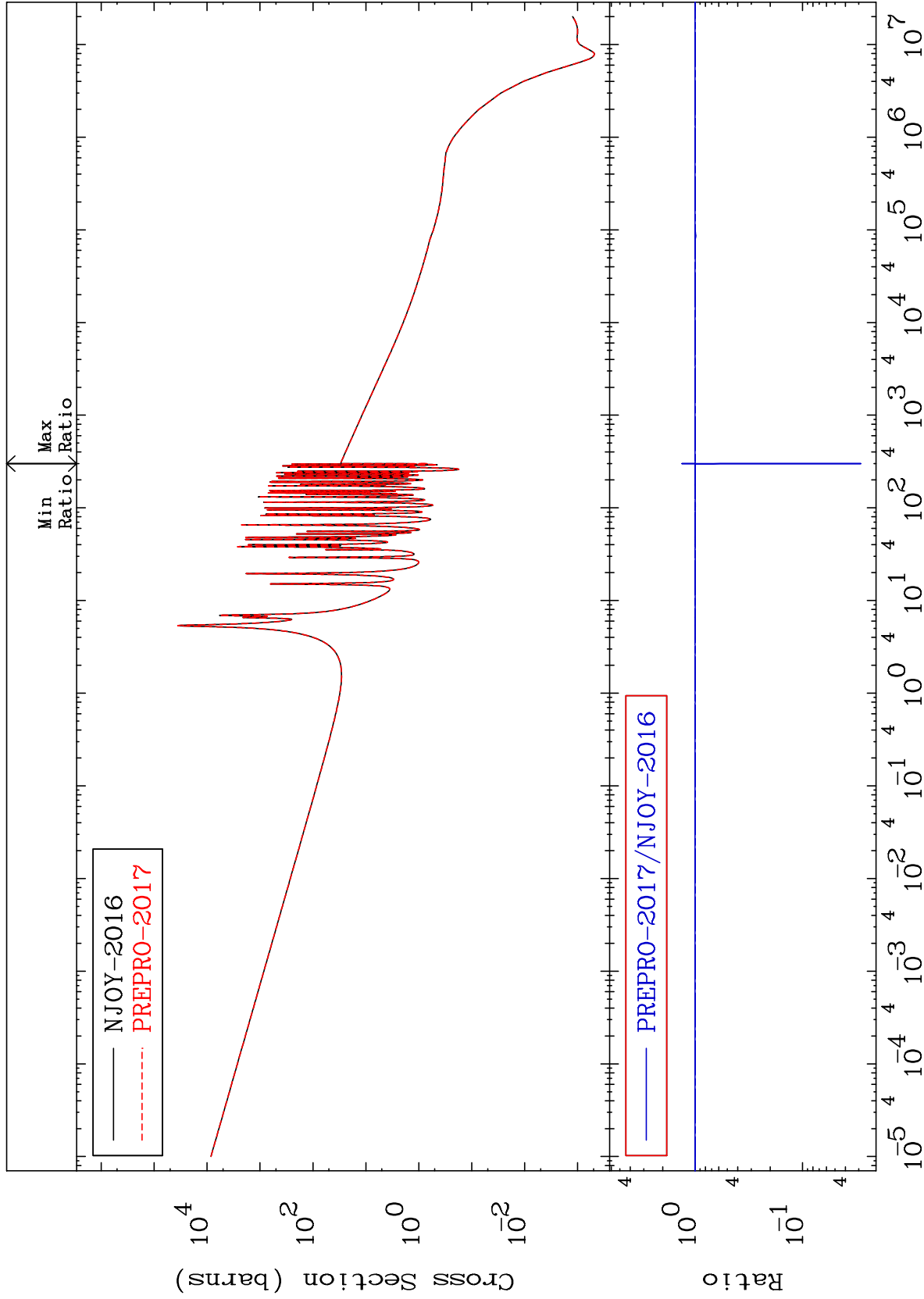


14

MAT 6149

(n, γ)
Cross Section

61-Pm-147
-97.13 To 32.30 %



15

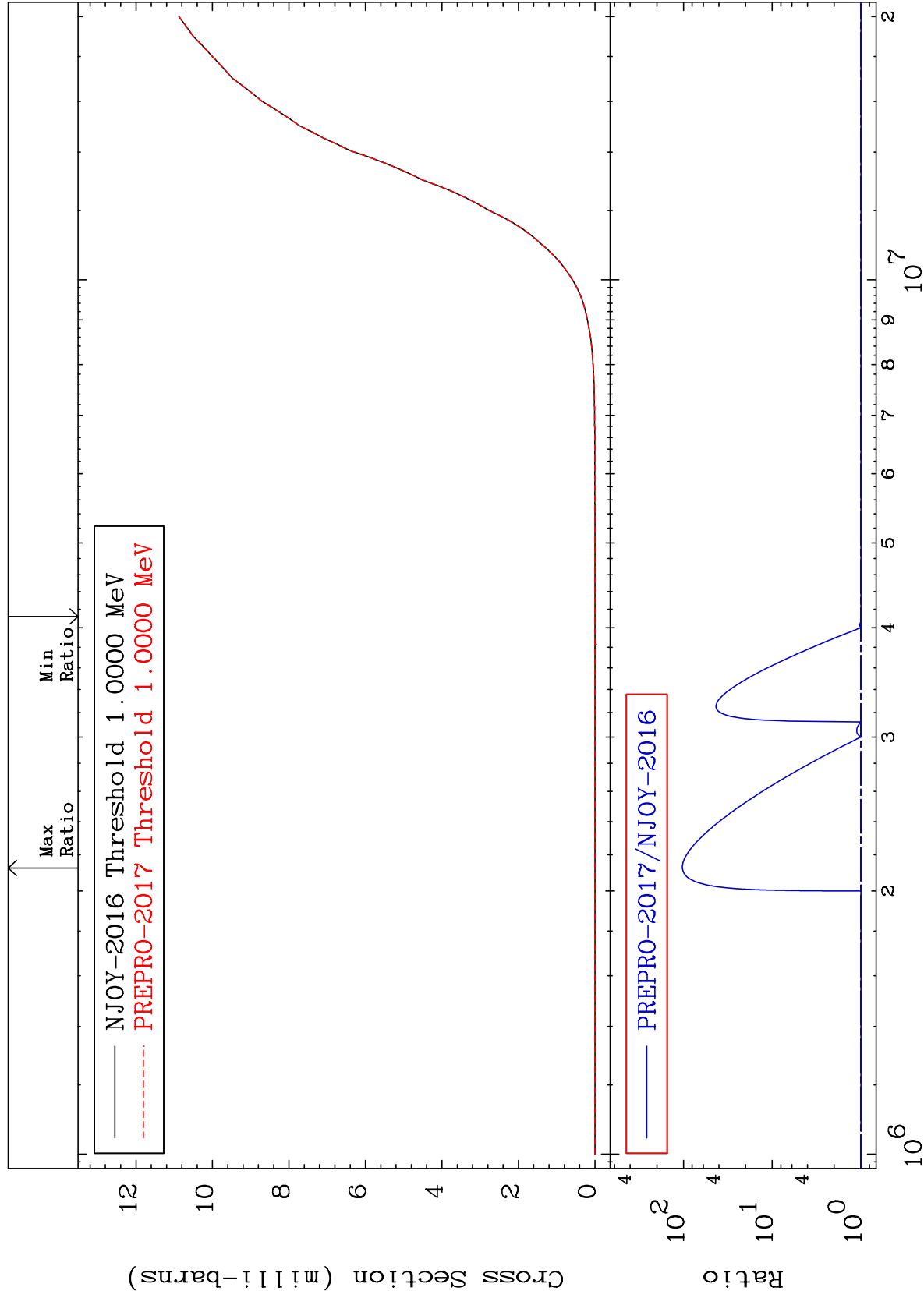
61-Pm-147

MAT 6149

(n,p)

61-Pm-147
-0.185 To 9999. %

Cross Section

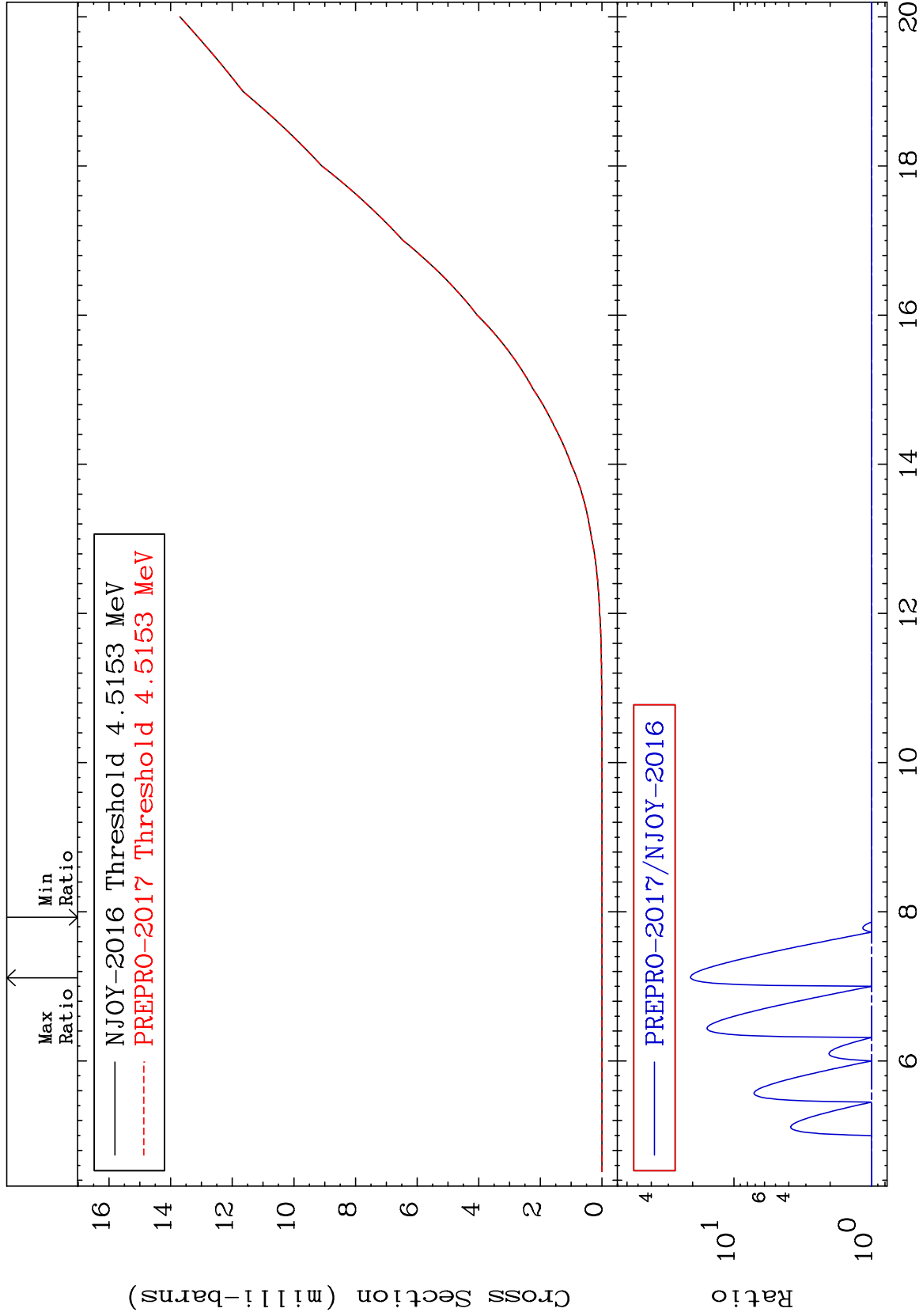


MAT 6149

(n, d)

61-Pm-147
-0.218 To 1970. %

Cross Section



17

Incident Energy (MeV)

61-Pm-147

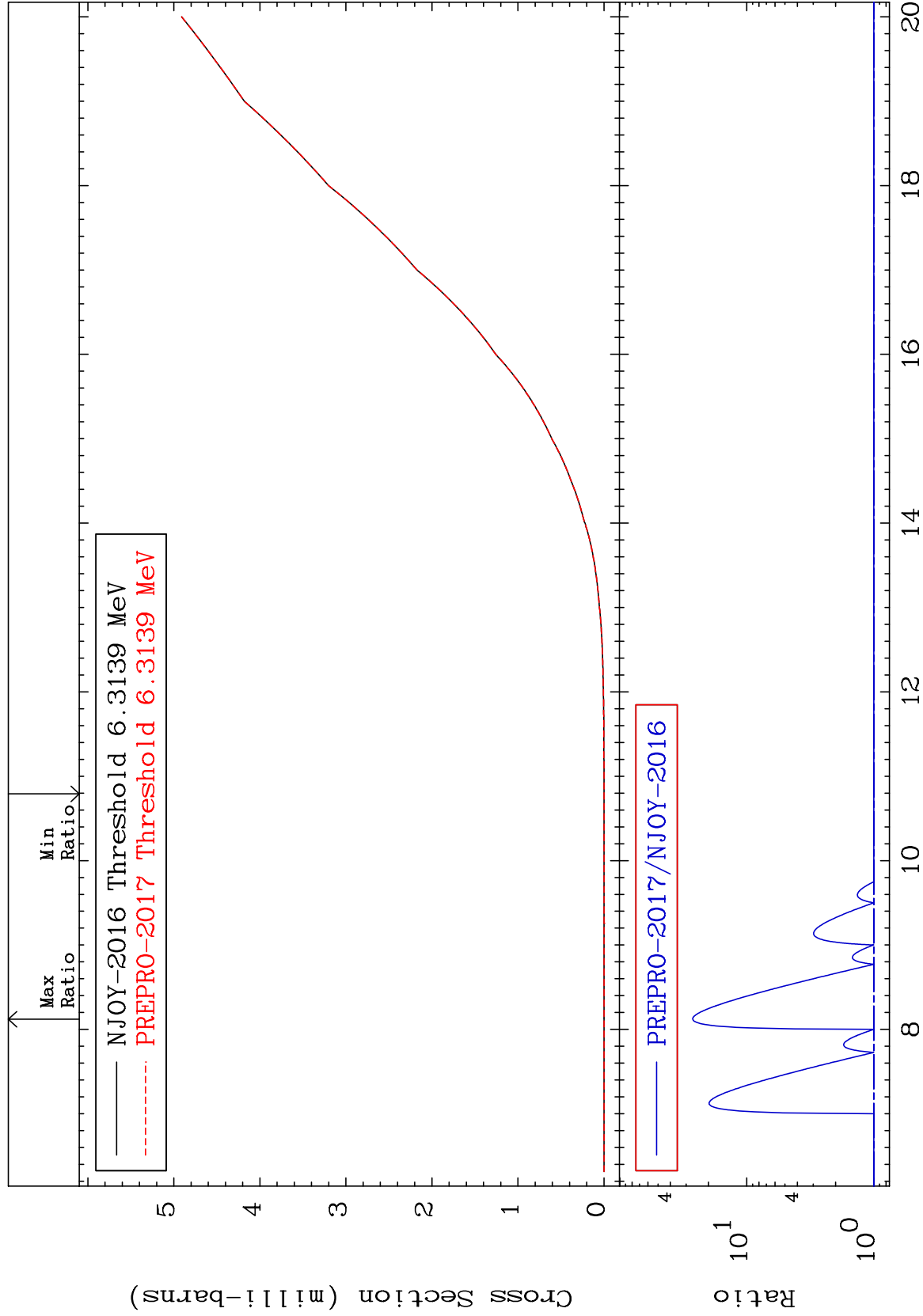
MAT 6149

(n, t)

61-Pm-147

Cross Section

-0.463 To 2564. %



Max Ratio

Min Ratio

— NJOY-2016 Threshold 6.3139 MeV
- - - PREPRO-2017 Threshold 6.3139 MeV

— PREPRO-2017/NJOY-2016

18

Incident Energy (MeV)

61-Pm-147

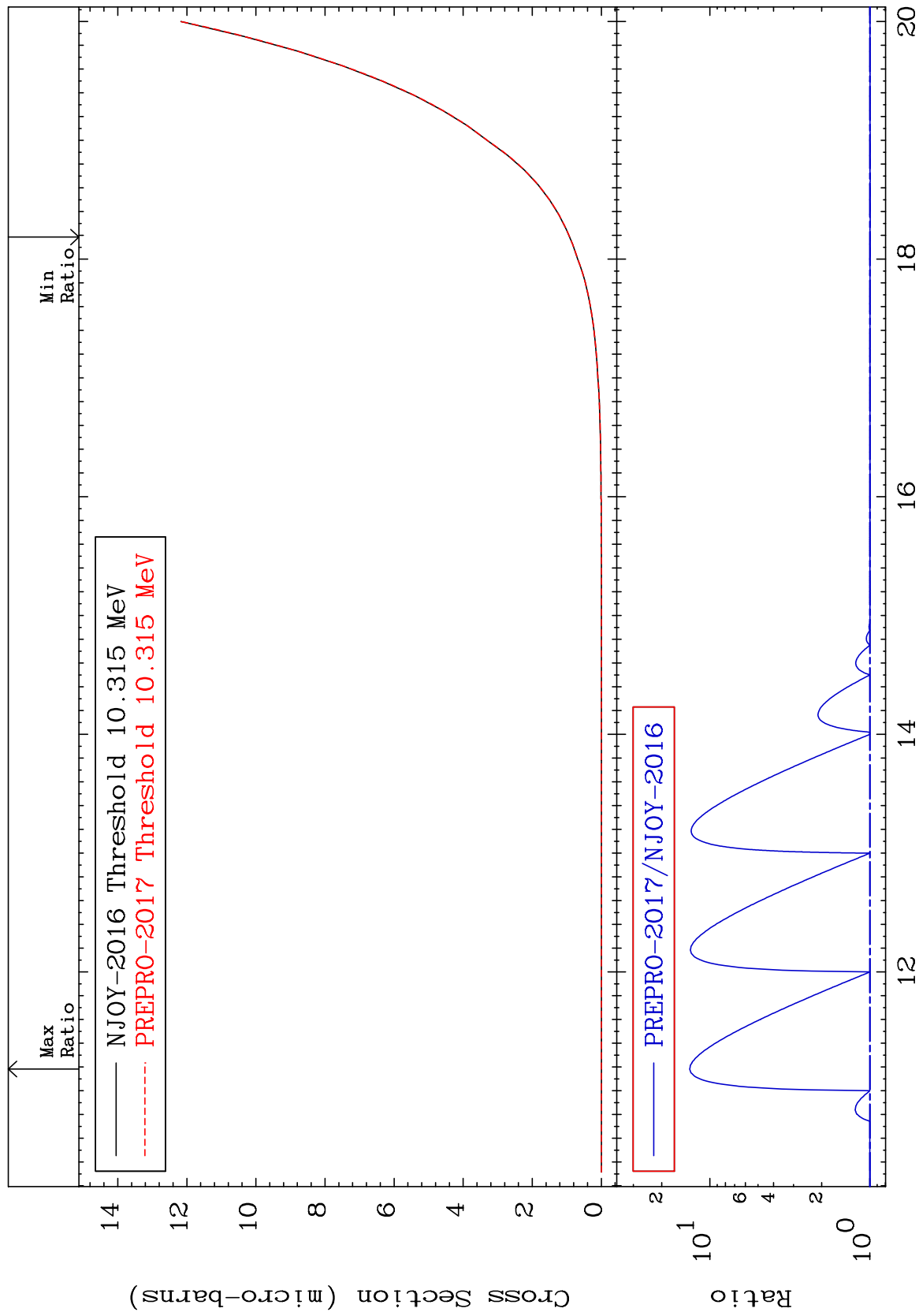
MAT 6149

(n, He-3)

61-Pm-147

Cross Section

-0.485 To 1235. %



19

Incident Energy (MeV)

61-Pm-147

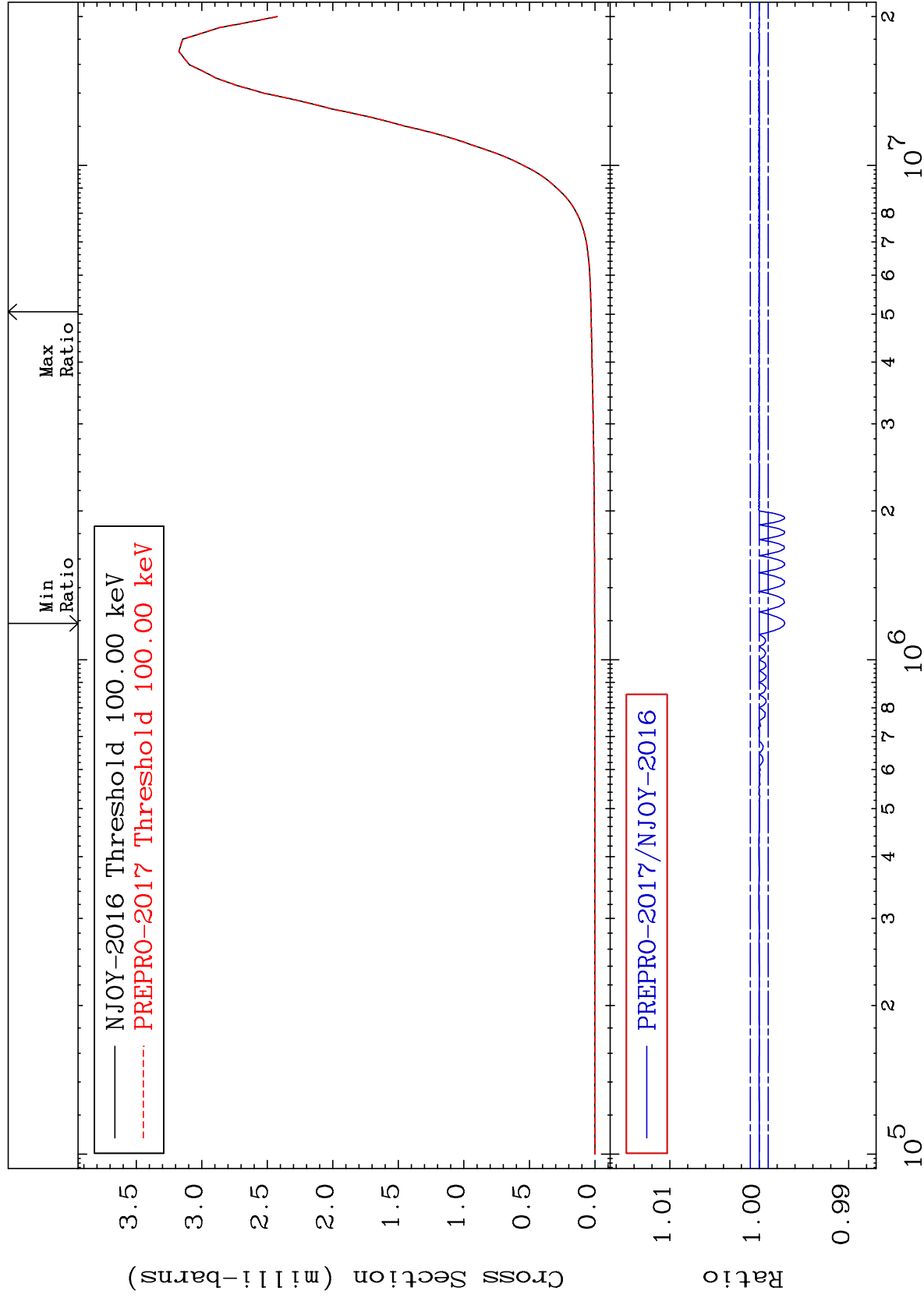
MAT 6149

(n, α)

61-Pm-147

Cross Section

-0.286 To 0.010 %



Incident Energy (eV)

61-Pm-147