

Program EVALPLOT
(Version 2017-1)

by

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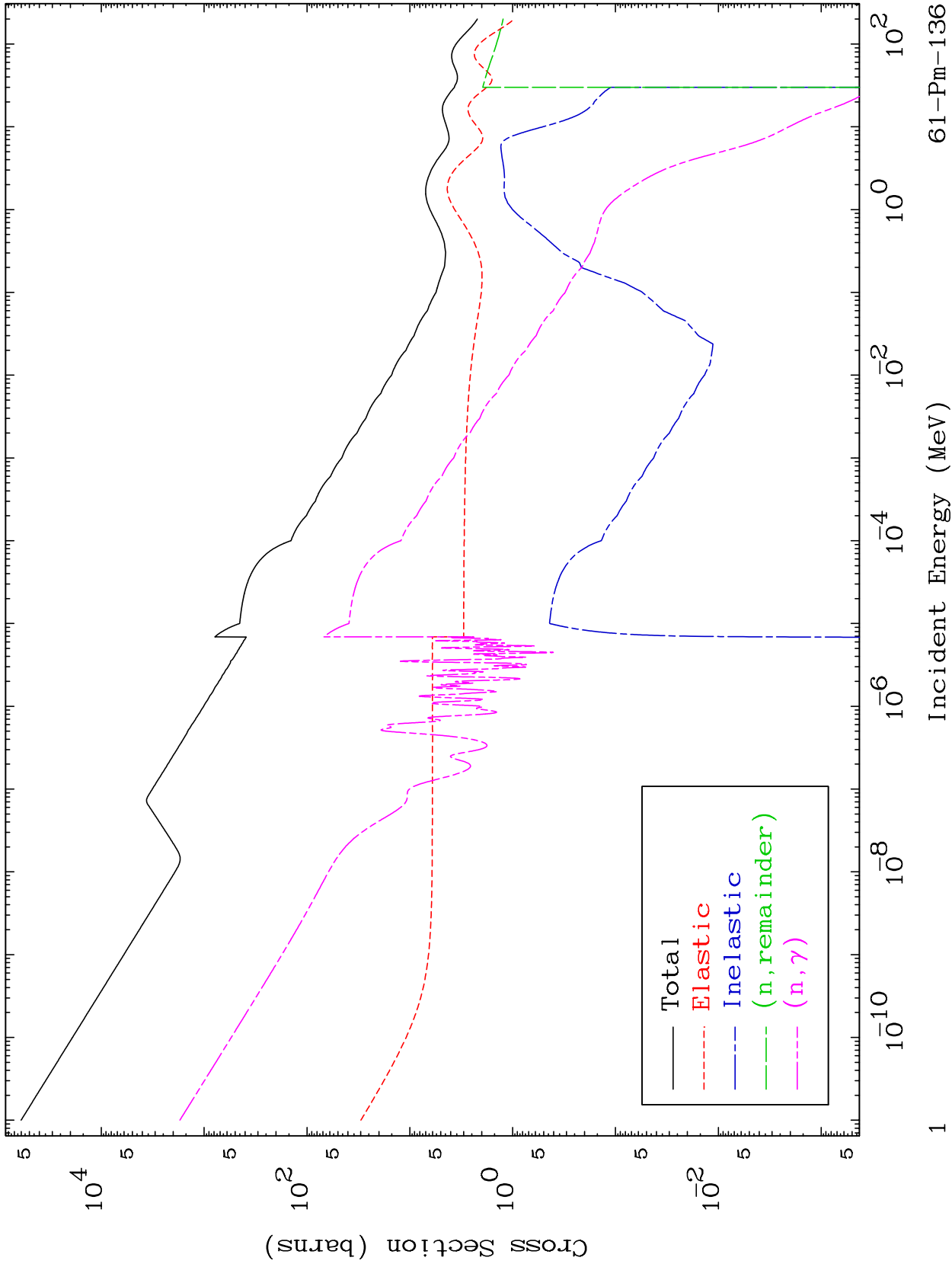
Press Mouse Button to Start

MAT 6117

Major

293 Kelvin Cross Sections

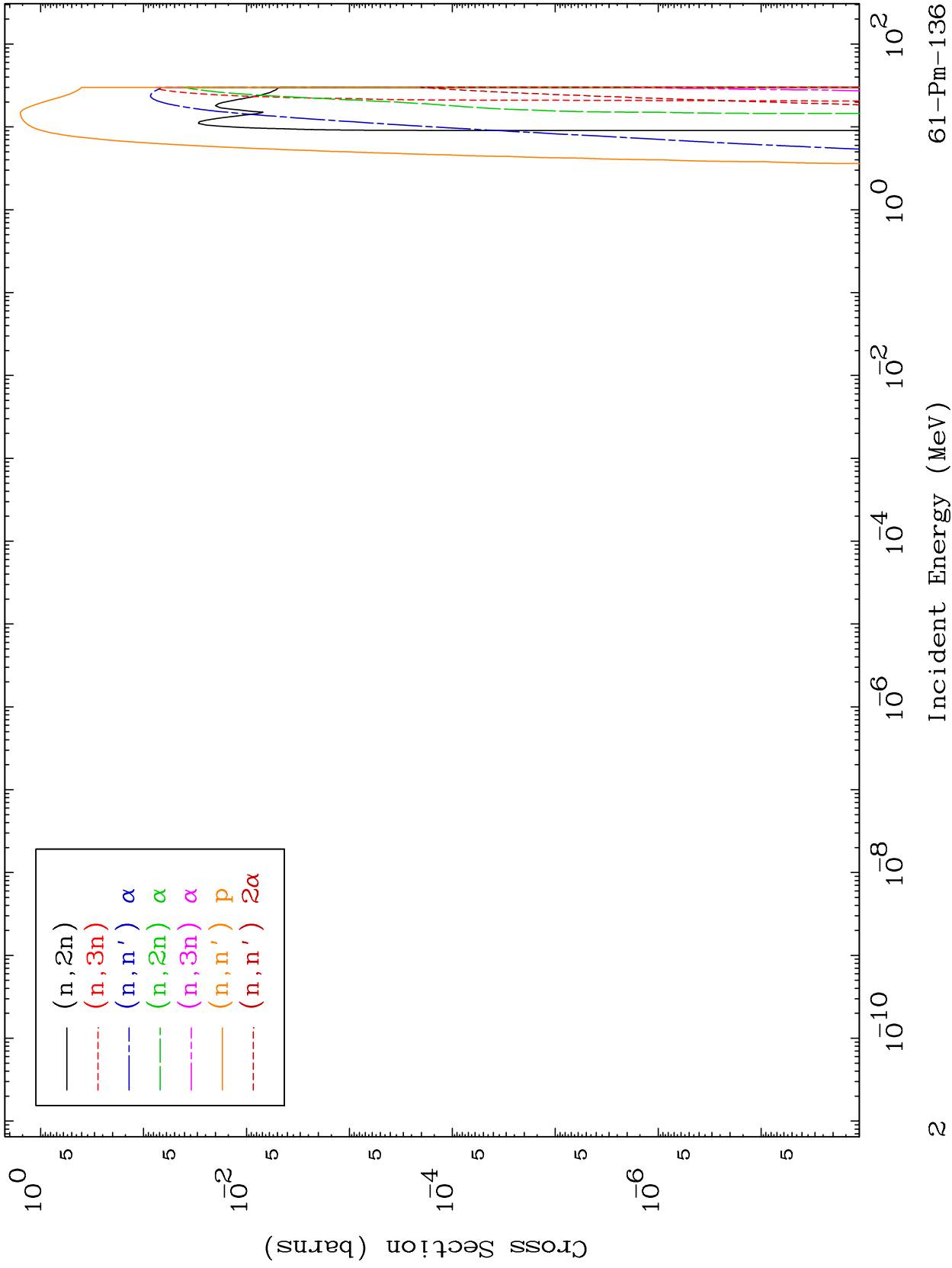
61-Pm-136

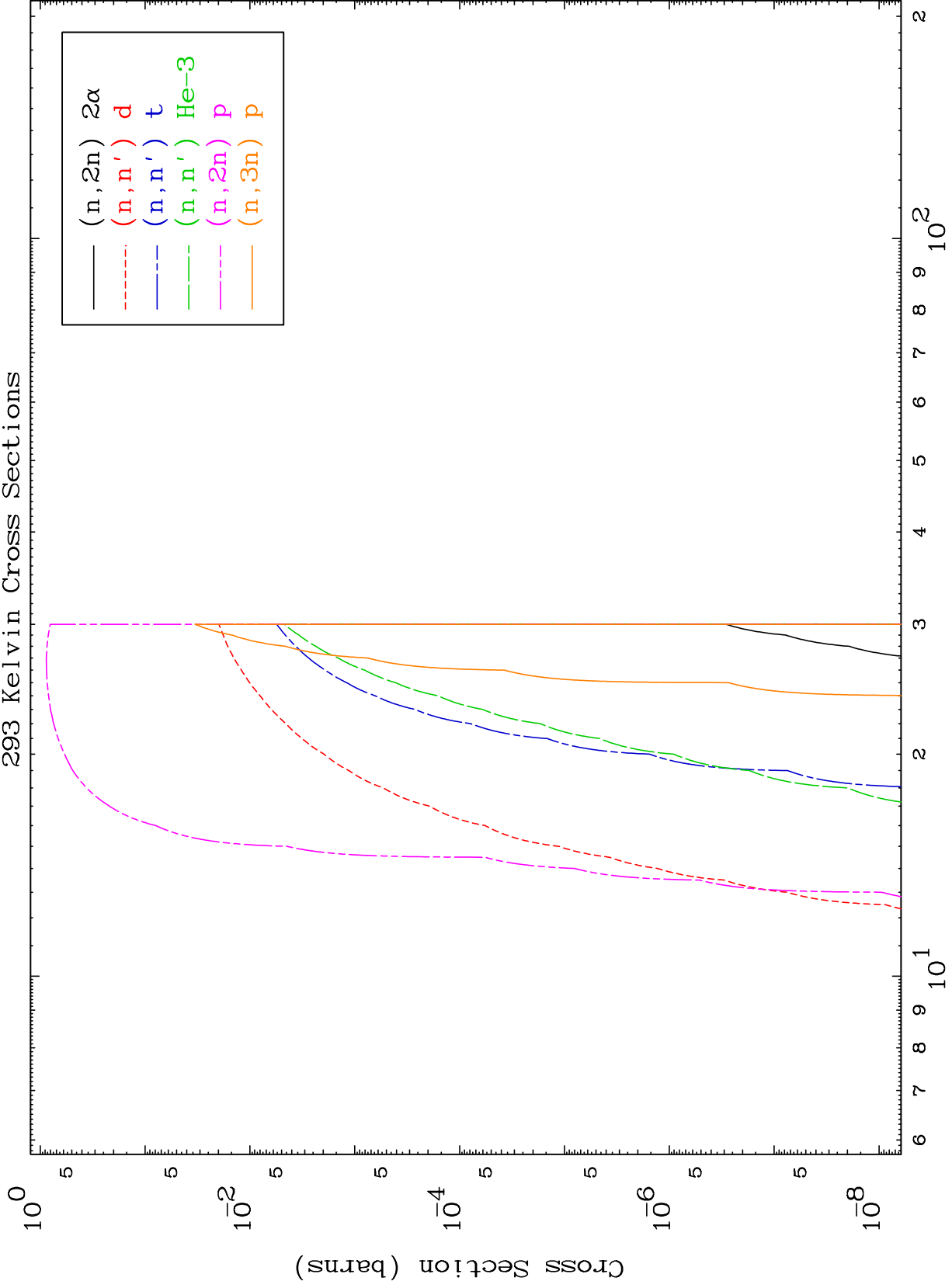


MAT 6117

Neutron Production
293 Kelvin Cross Sections

61-Pm-136

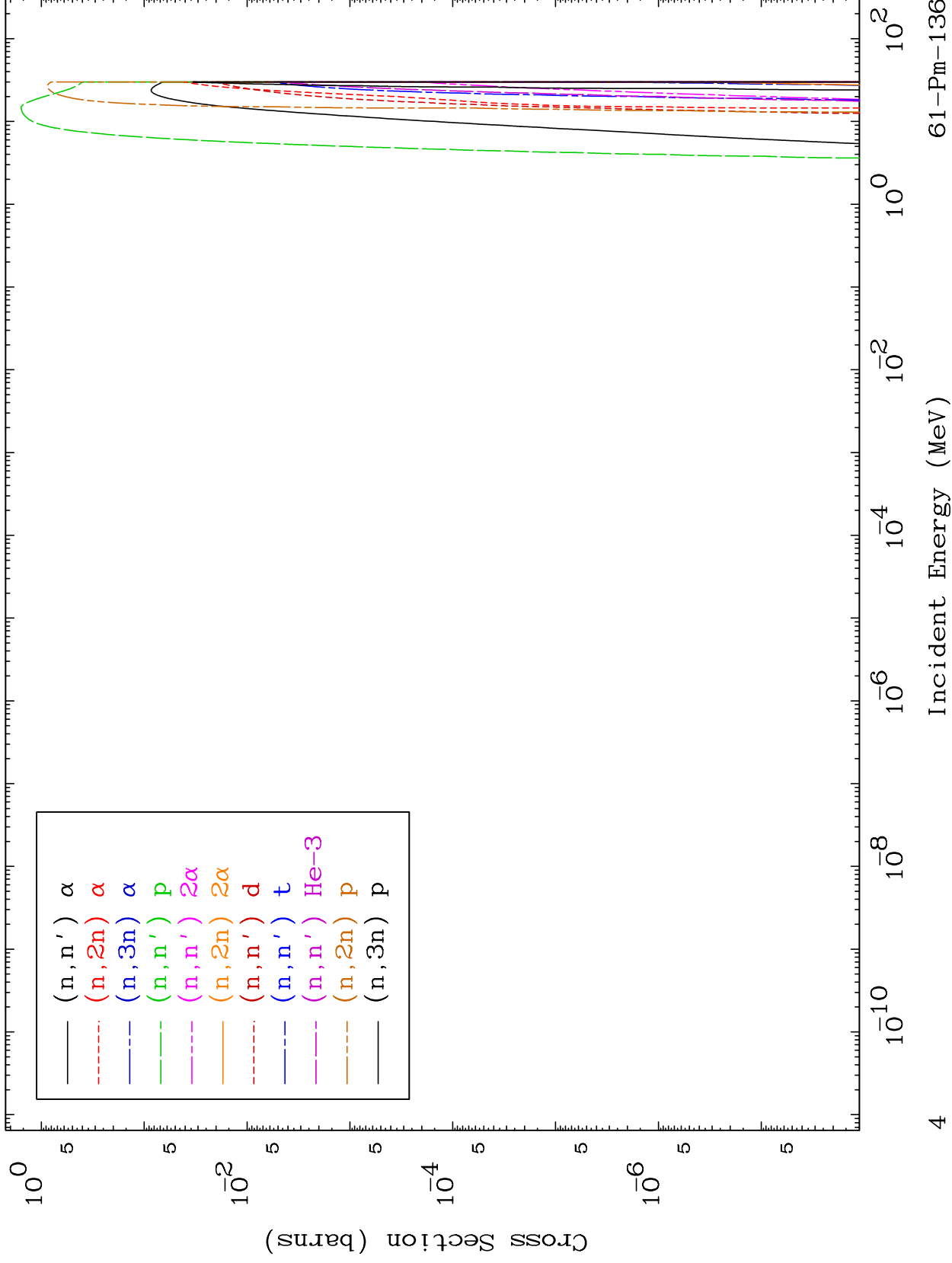




MAT 6117

Charged Particle
293 Kelvin Cross Sections

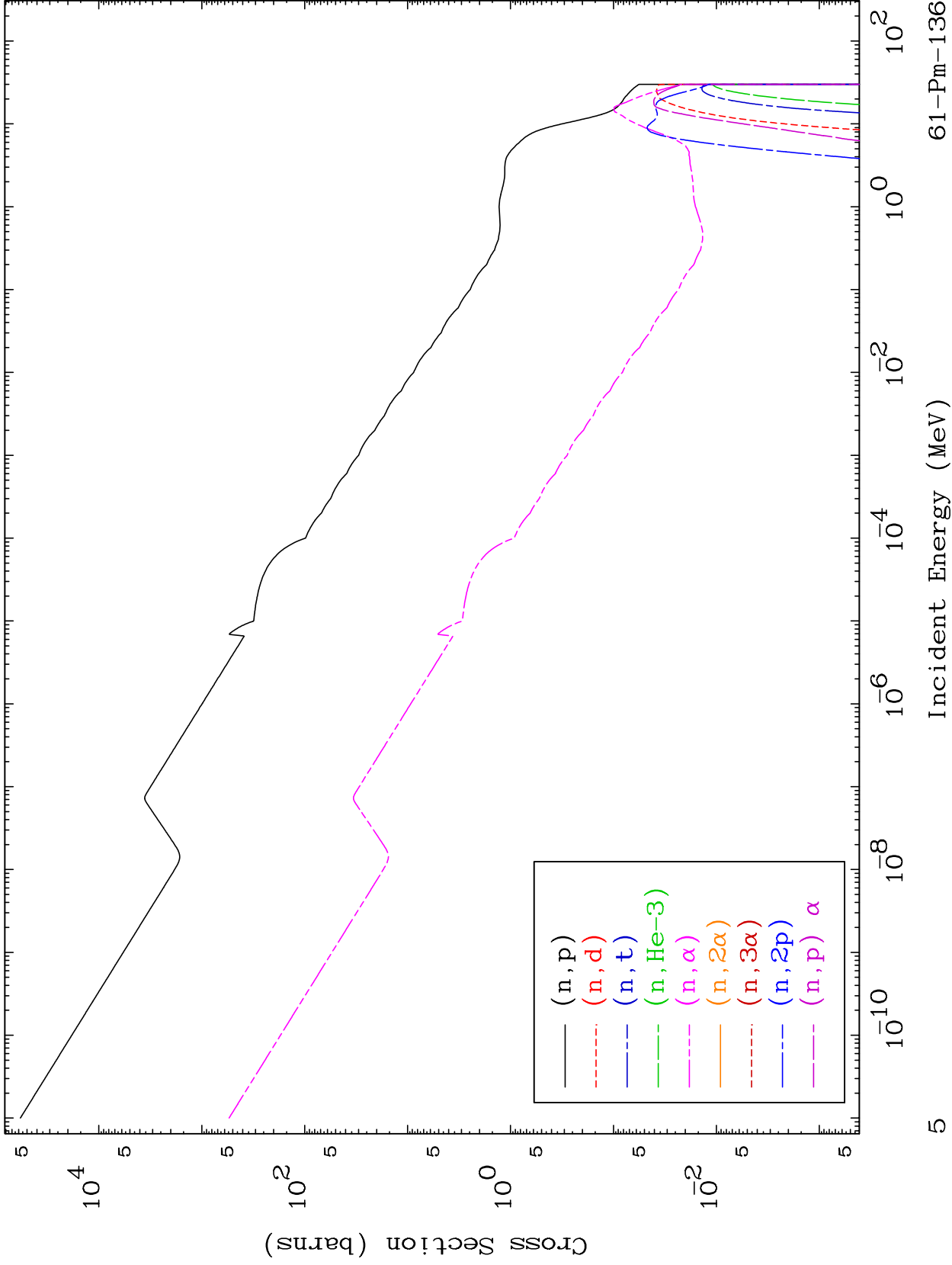
61-Pm-136



MAT 6117

Charged Particle
293 Kelvin Cross Sections

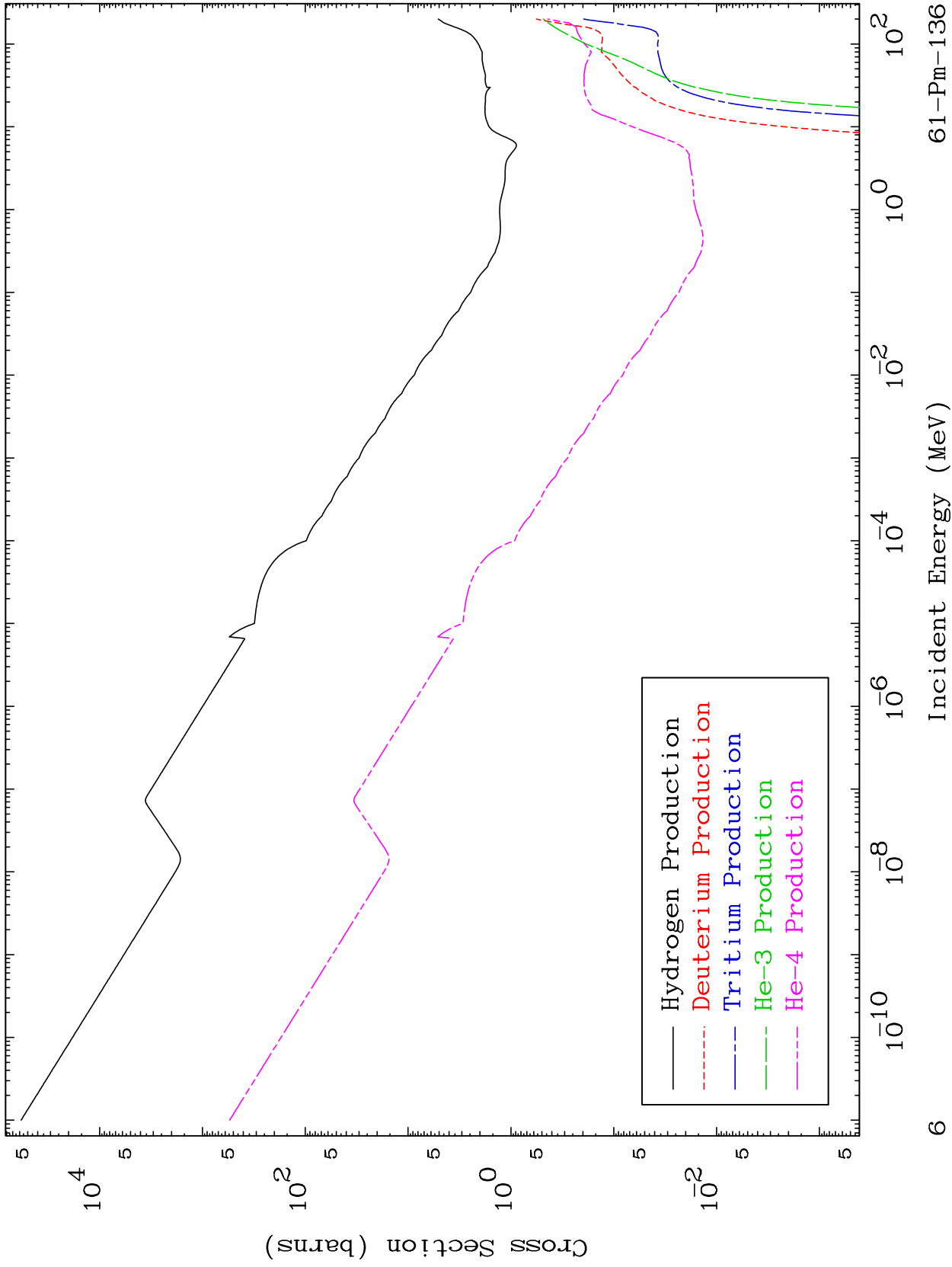
61-Pm-136



MAT 6117

Particle Production
293 Kelvin Cross Sections

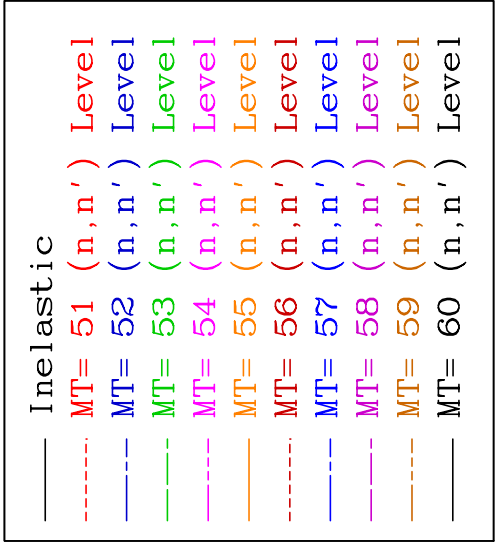
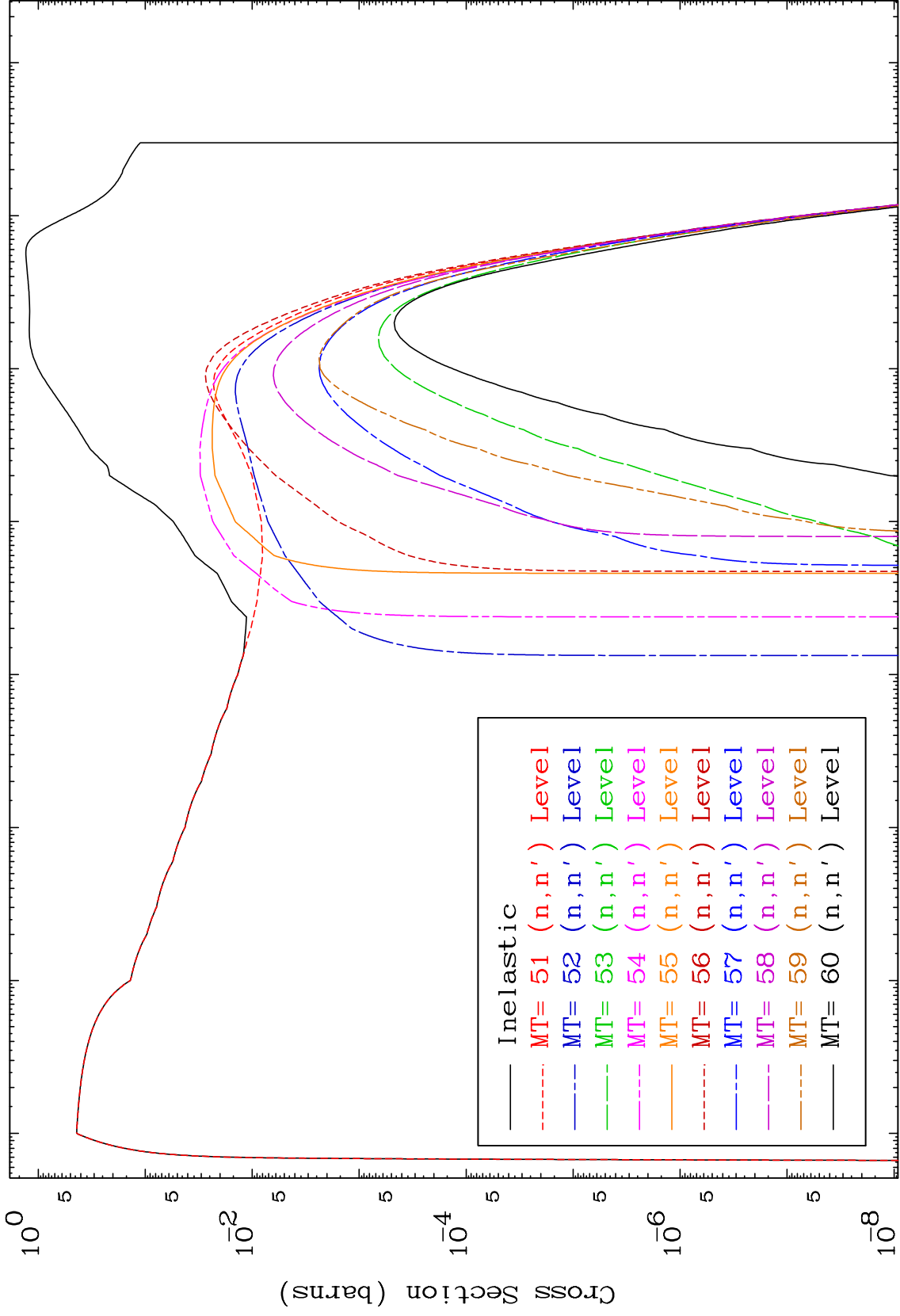
61-Pm-136



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293 Kelvin Cross Sections
(n,n') Level

61-Pm-136



61-Pm-136

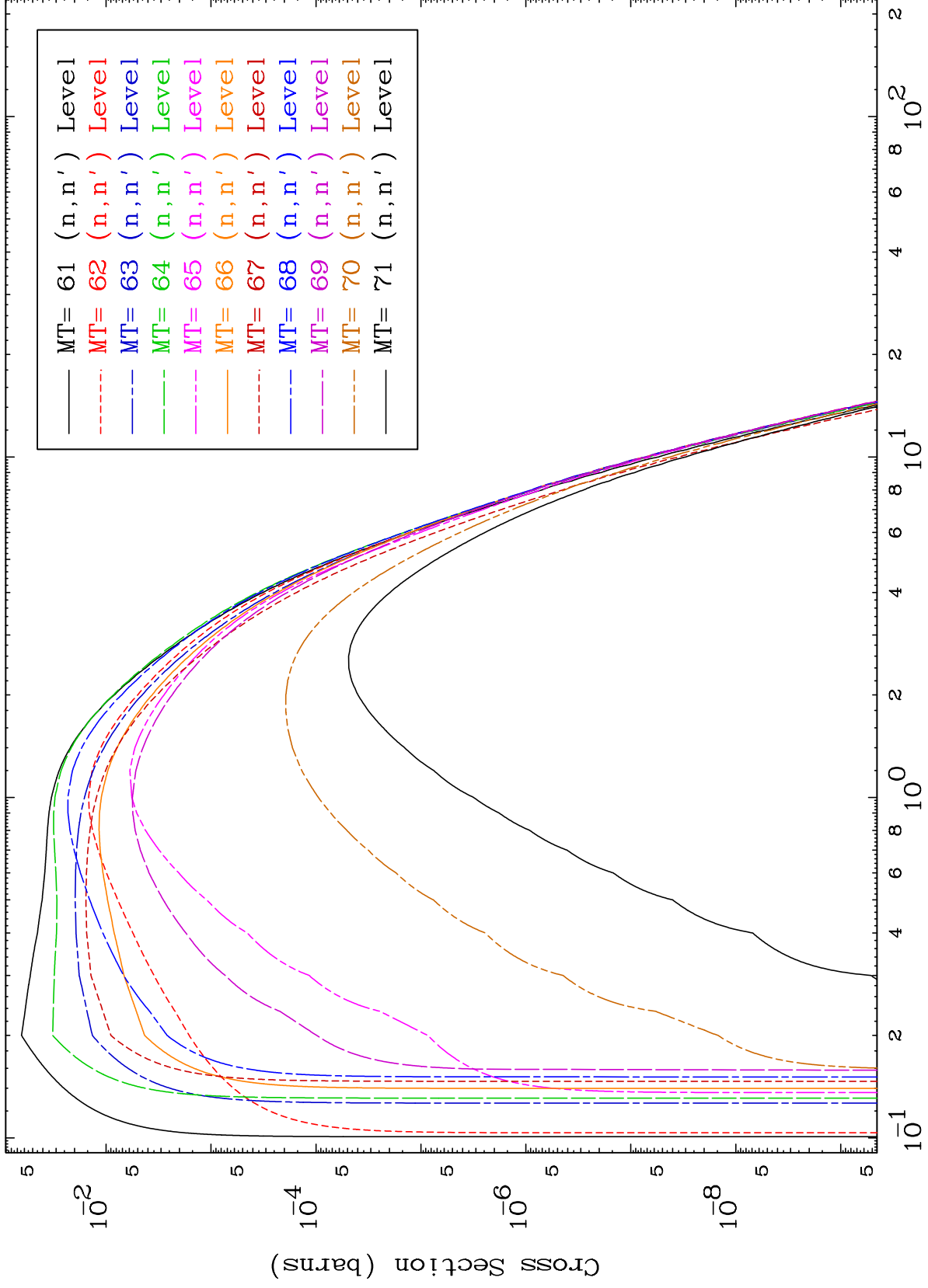
Incident Energy (MeV)

MAT 6117

(n,n') Level

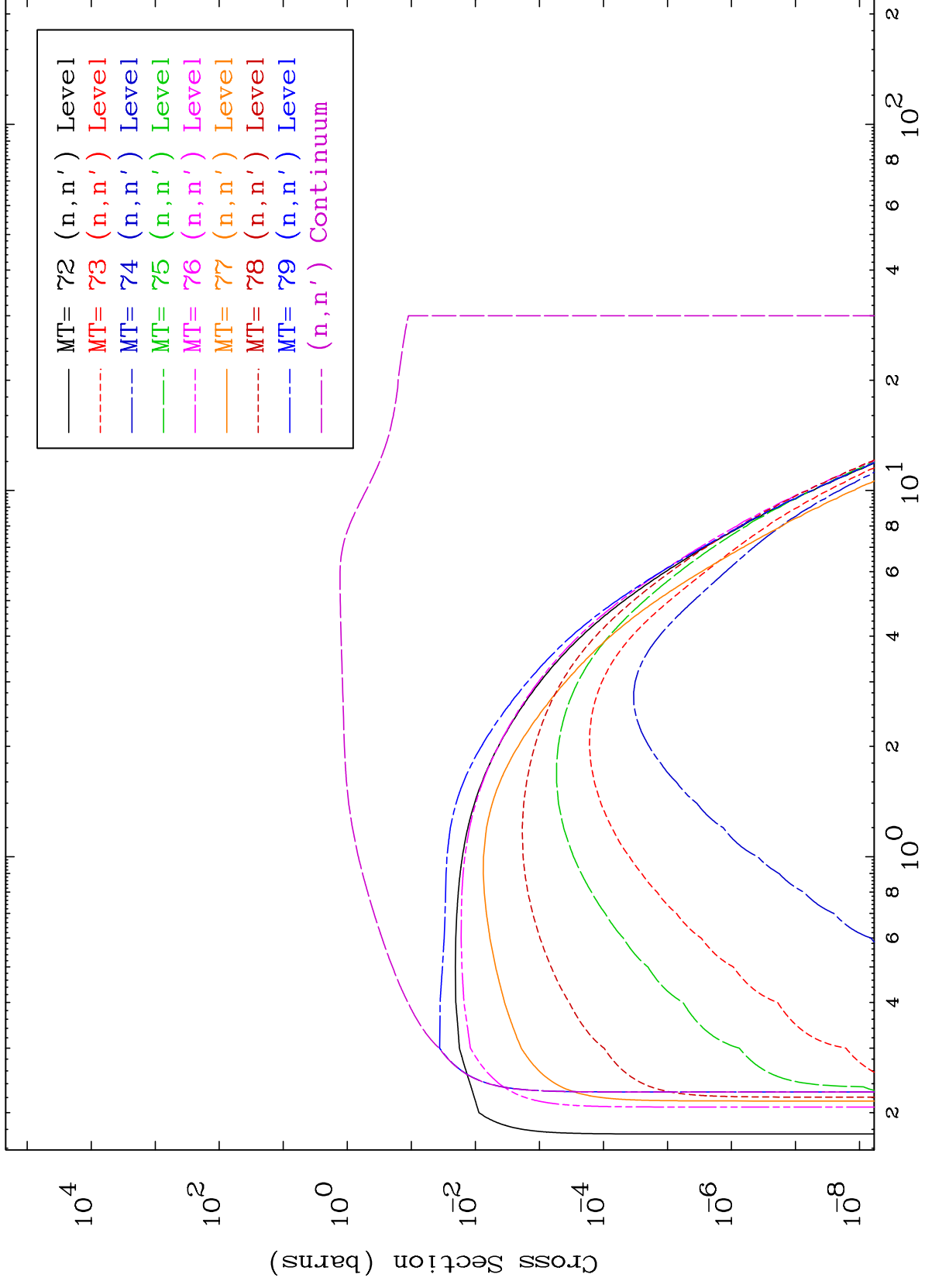
61-Pm-136

293 Kelvin Cross Sections



Incident Energy (MeV)

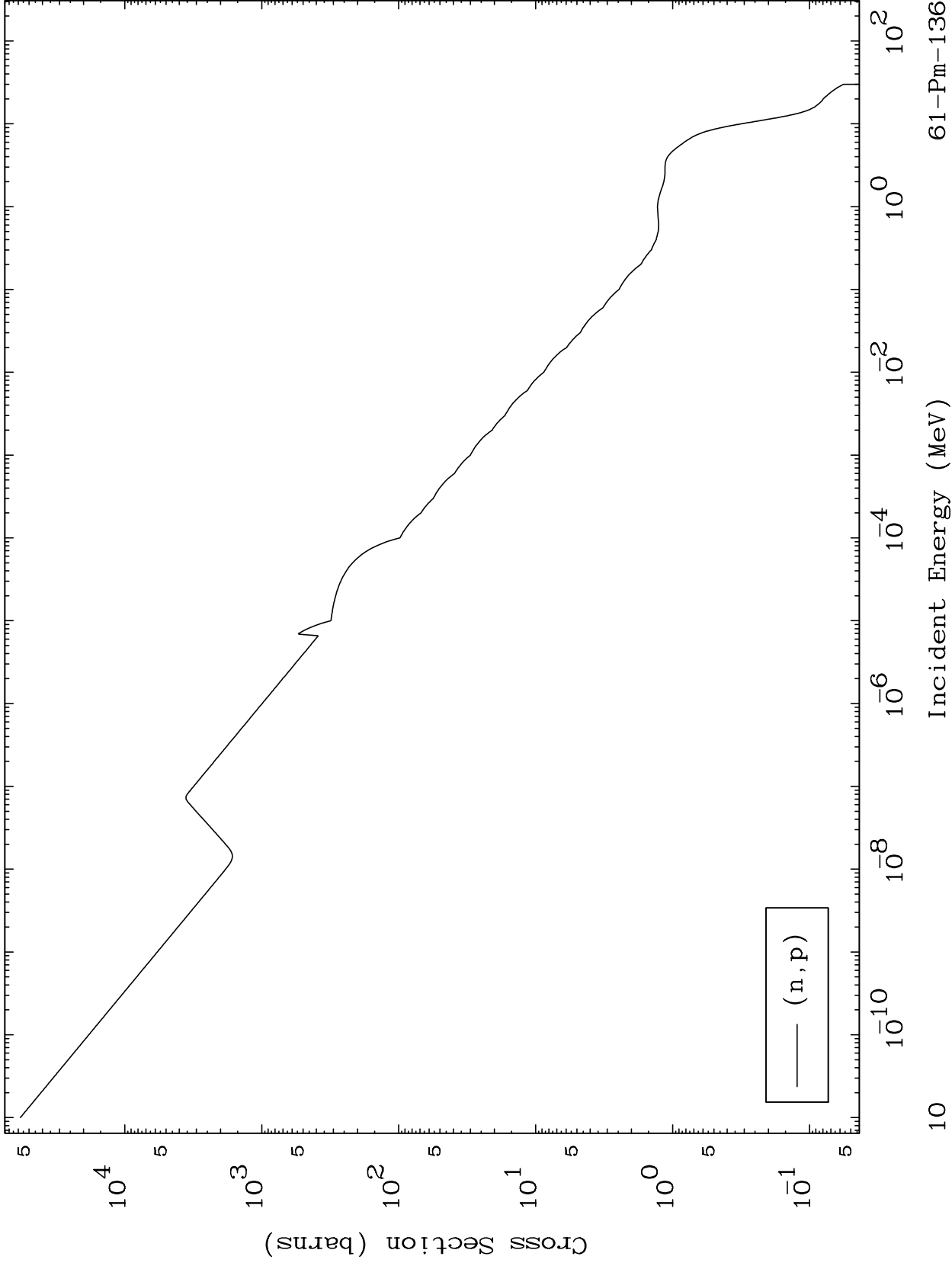
61-Pm-136



MAT 6117

(n,p) Levels
293 Kelvin Cross Sections

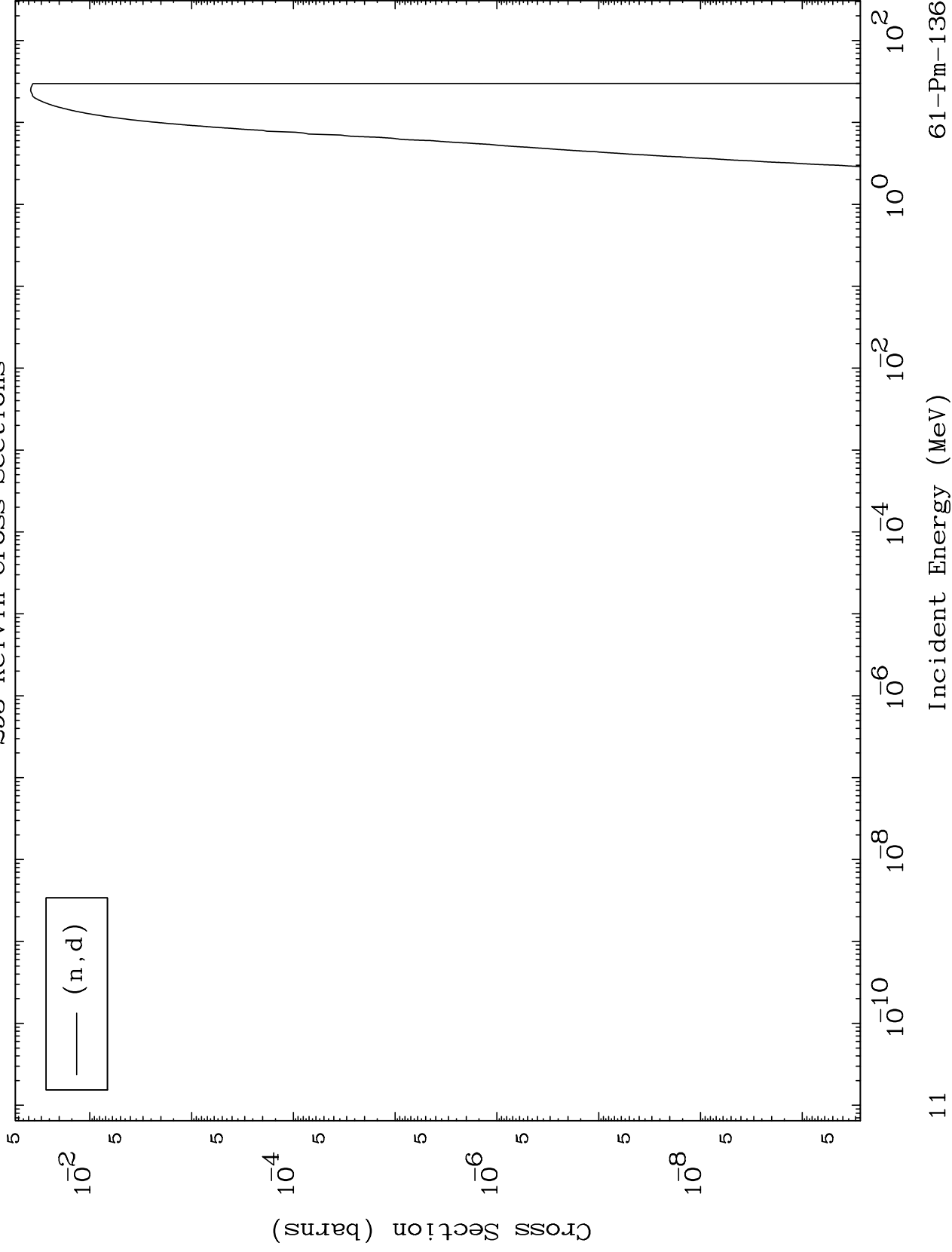
61-Pm-136



MAT 6117

(n,d) Levels
293 Kelvin Cross Sections

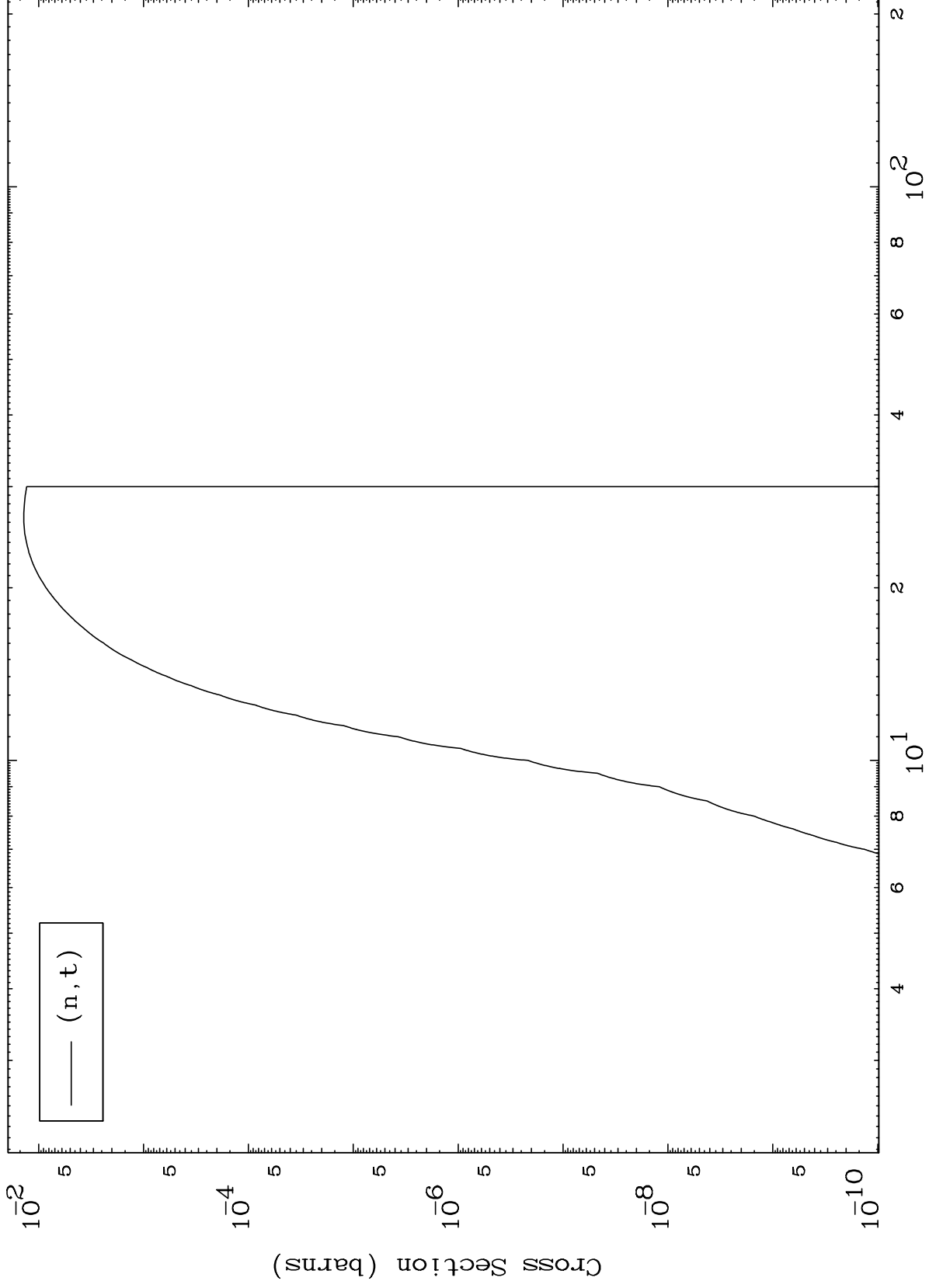
61-Pm-136



MAT 6117

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-136



12

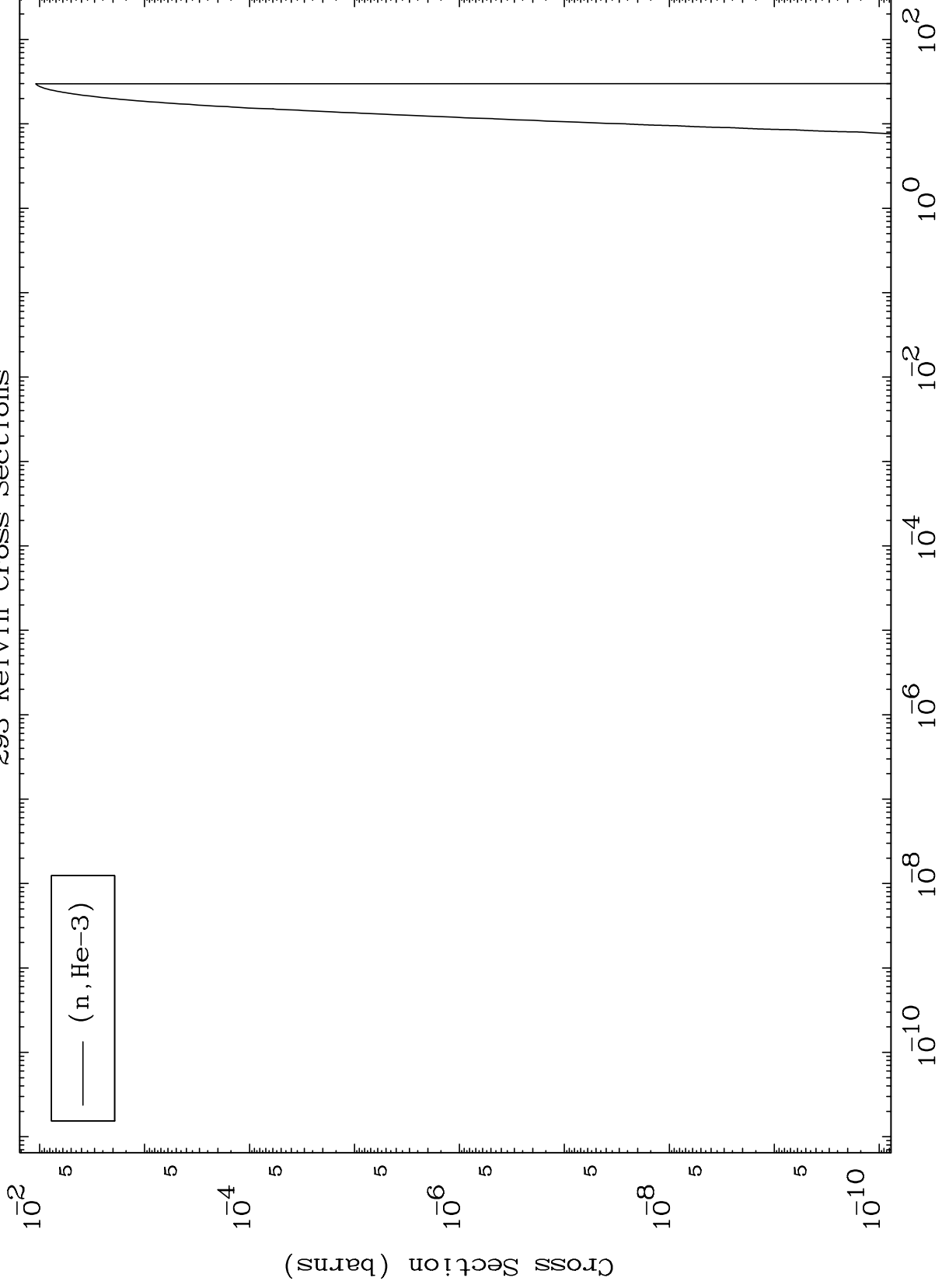
Incident Energy (MeV)

61-Pm-136

MAT 6117

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-136

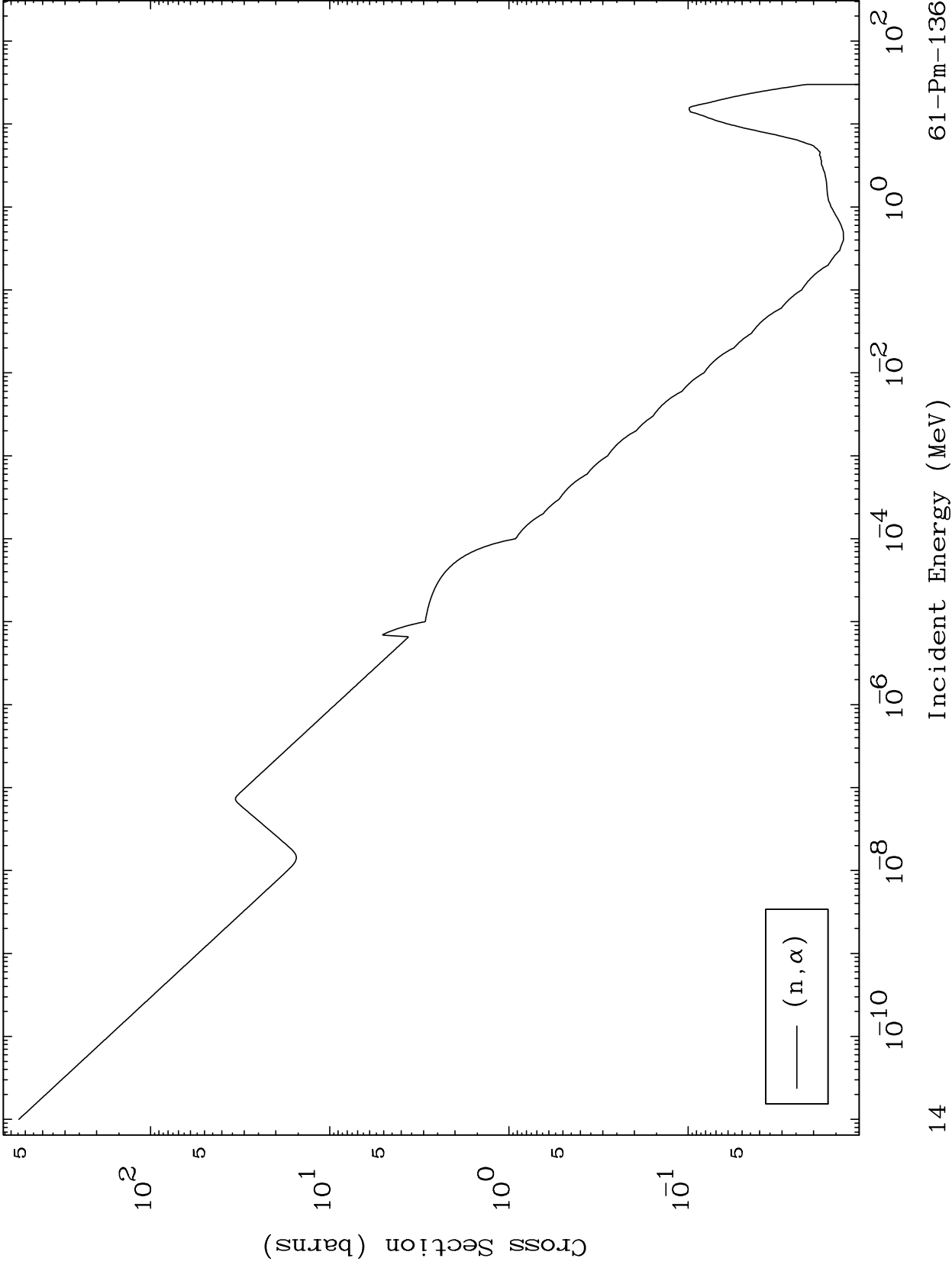


(n, He-3)

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(n,α) Levels
293 Kelvin Cross Sections

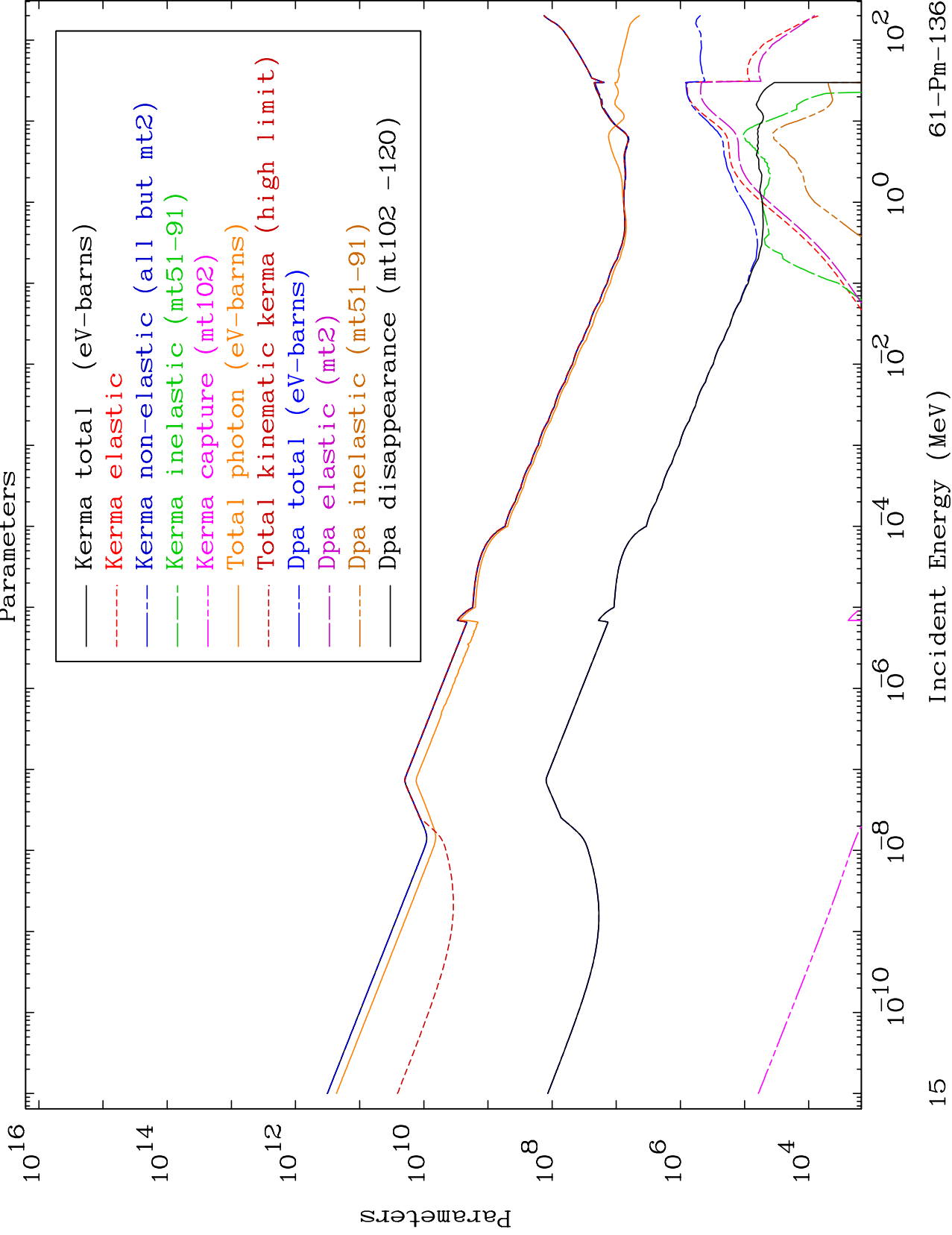
61-Pm-136



14

Incident Energy (MeV)

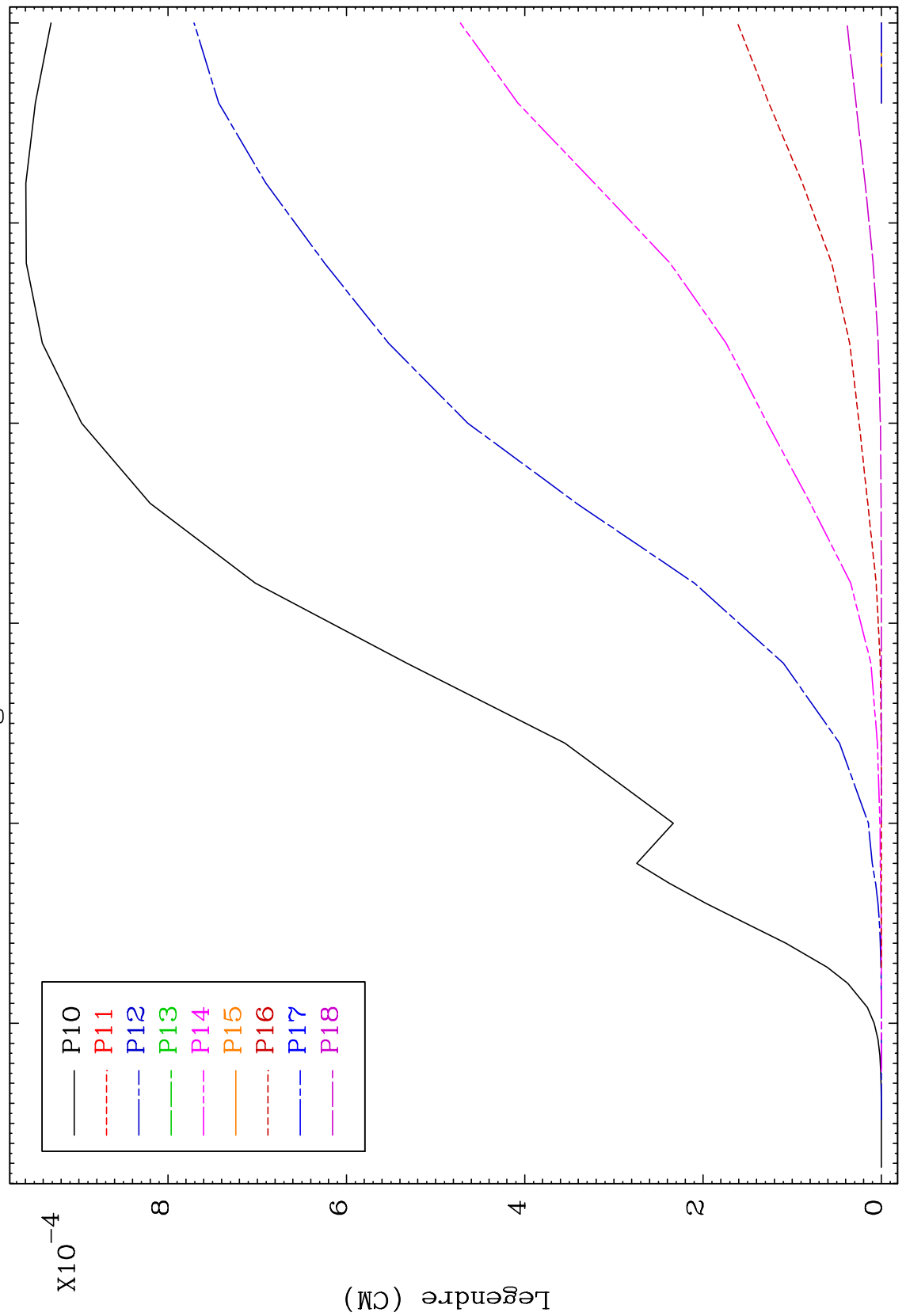
61-Pm-136



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Elastic Legendre Coefficients

61-Pm-136



17

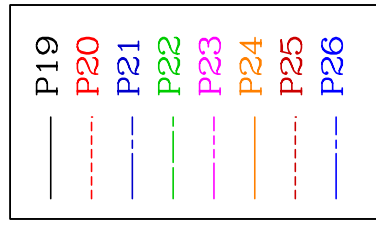
61-Pm-136

Incident Energy (MeV)

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Elastic
Legendre Coefficients

61-Pm-136



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

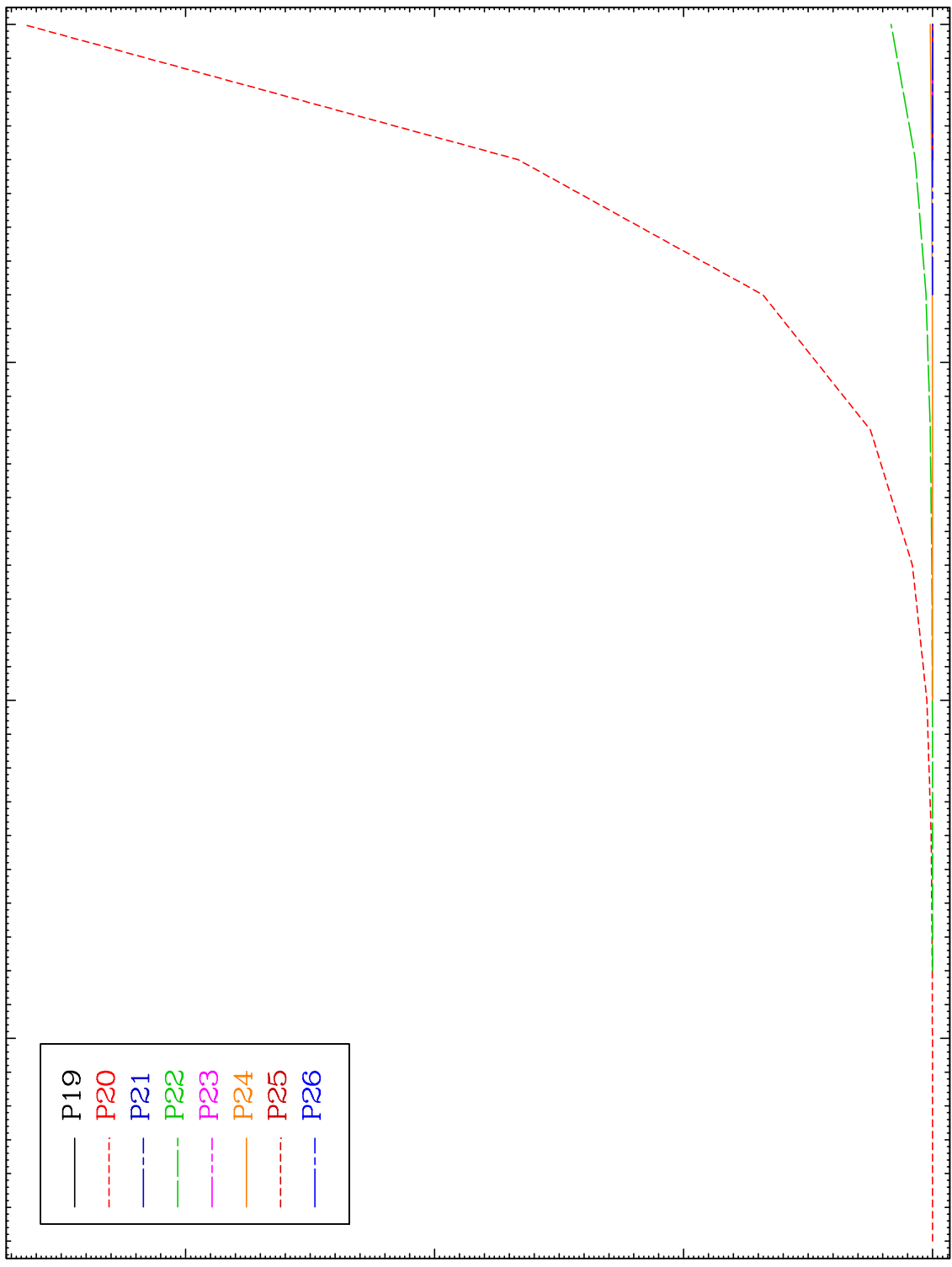
25

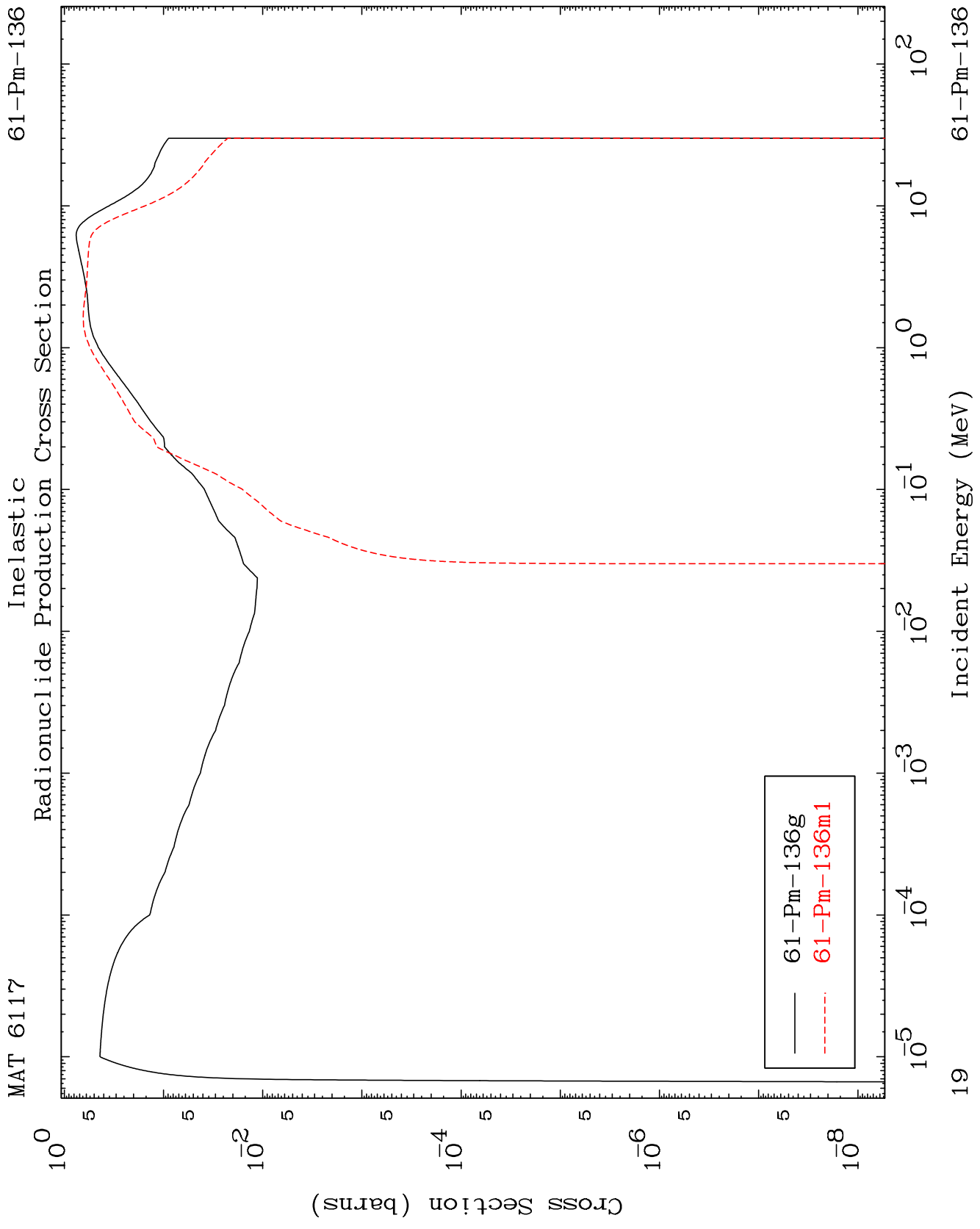
30

18

Incident Energy (MeV)

61-Pm-136



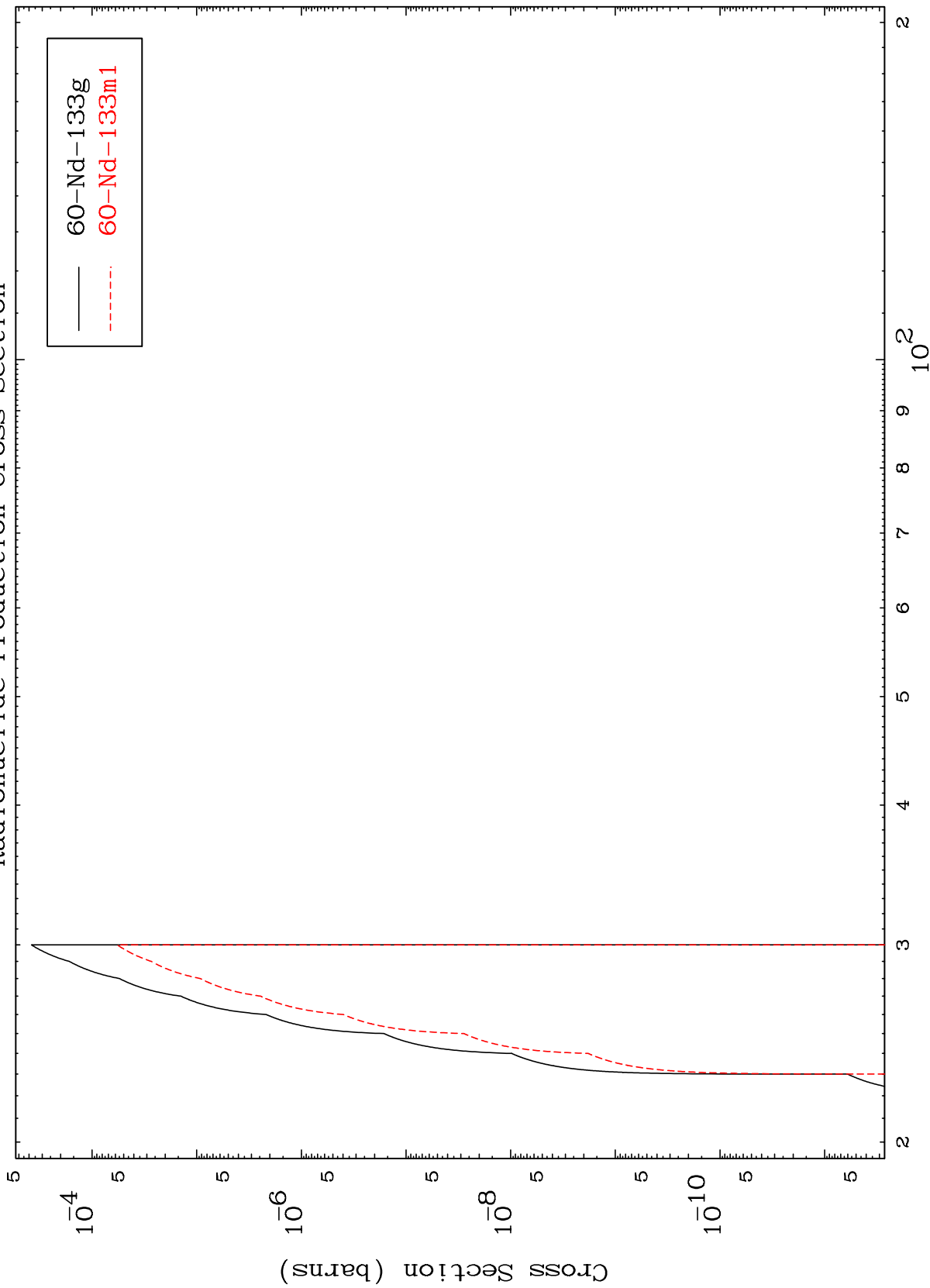


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(n,2n) d

61-Pm-136

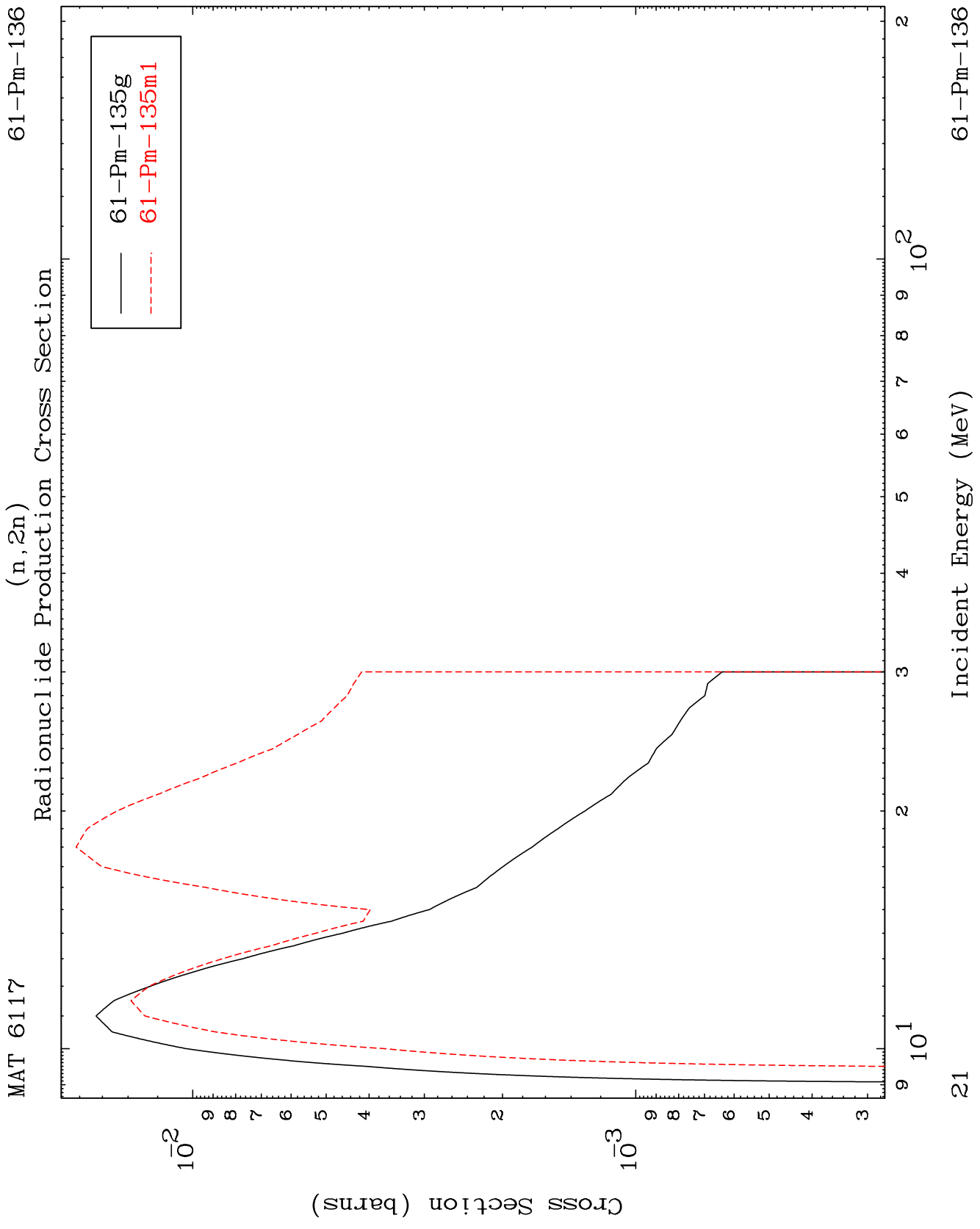
Radionuclide Production Cross Section



20

Incident Energy (MeV)

61-Pm-136

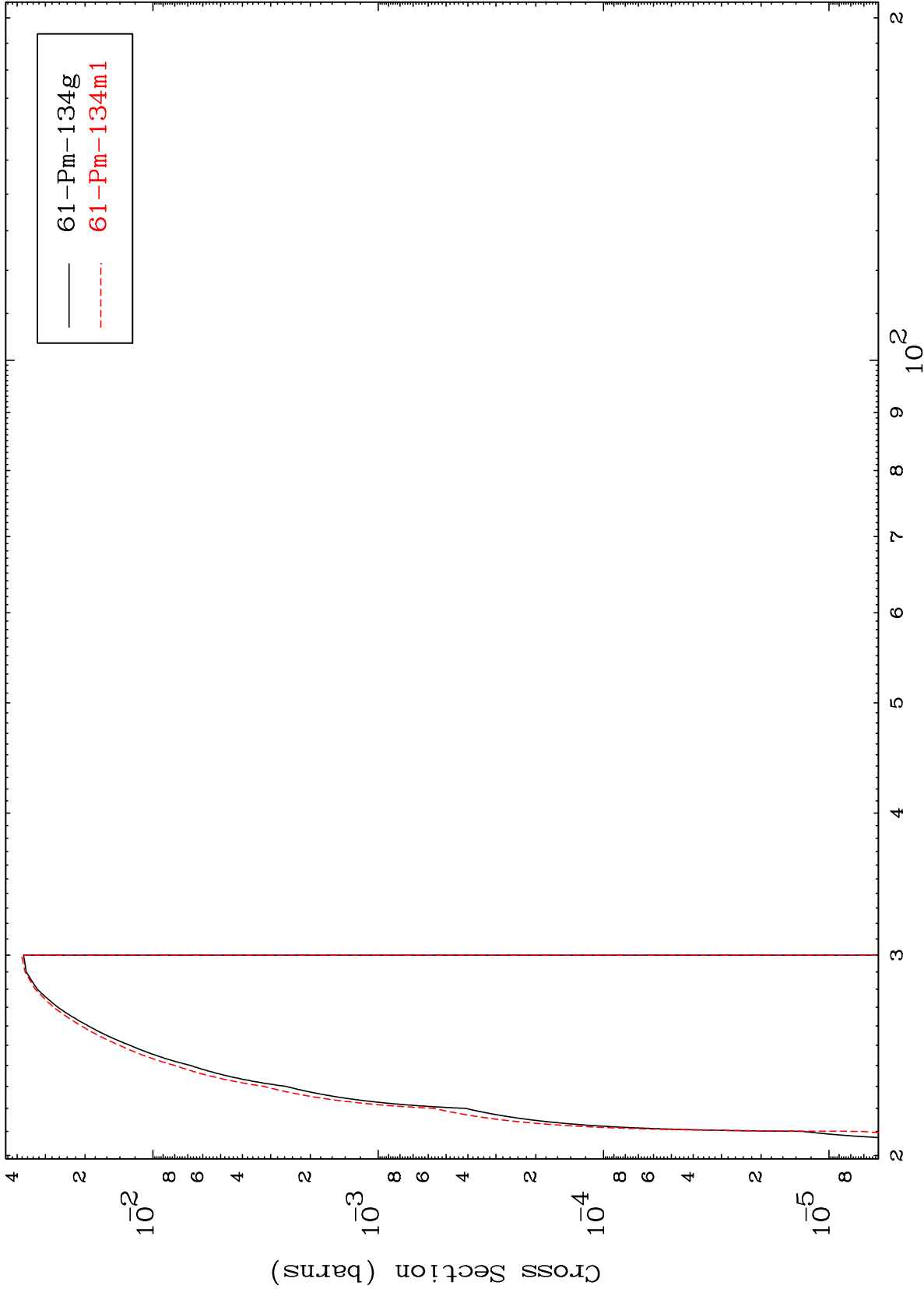


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(n,3n)

61-Pm-136

Radionuclide Production Cross Section



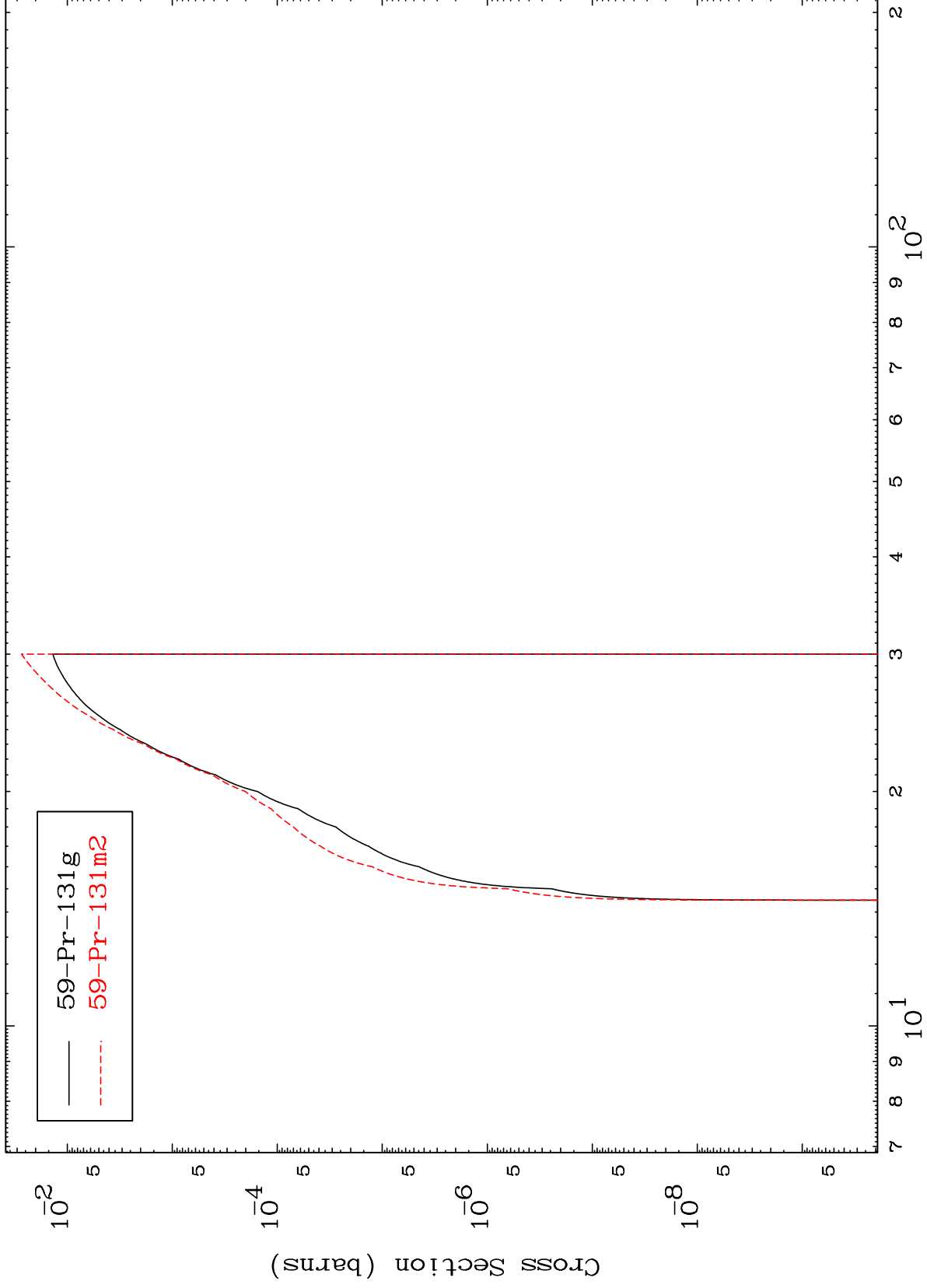
61-Pm-134g
61-Pm-134m1

MAT 6117

(n,2n) α

61-Pm-136

Radionuclide Production Cross Section



23

Incident Energy (MeV)

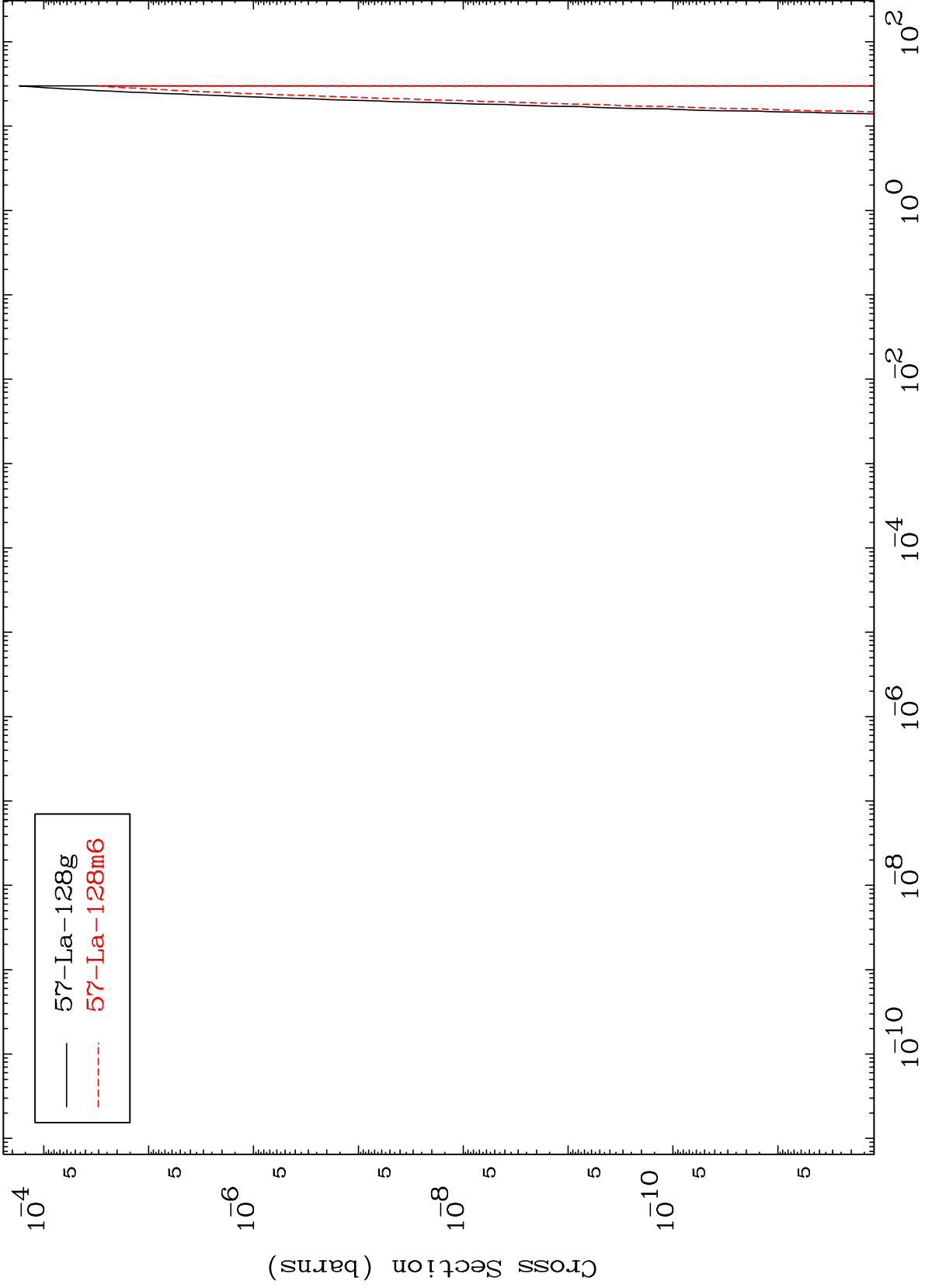
61-Pm-136

MAT 6117

(n,n') 2α

61-Pm-136

Radionuclide Production Cross Section



24

Incident Energy (MeV)

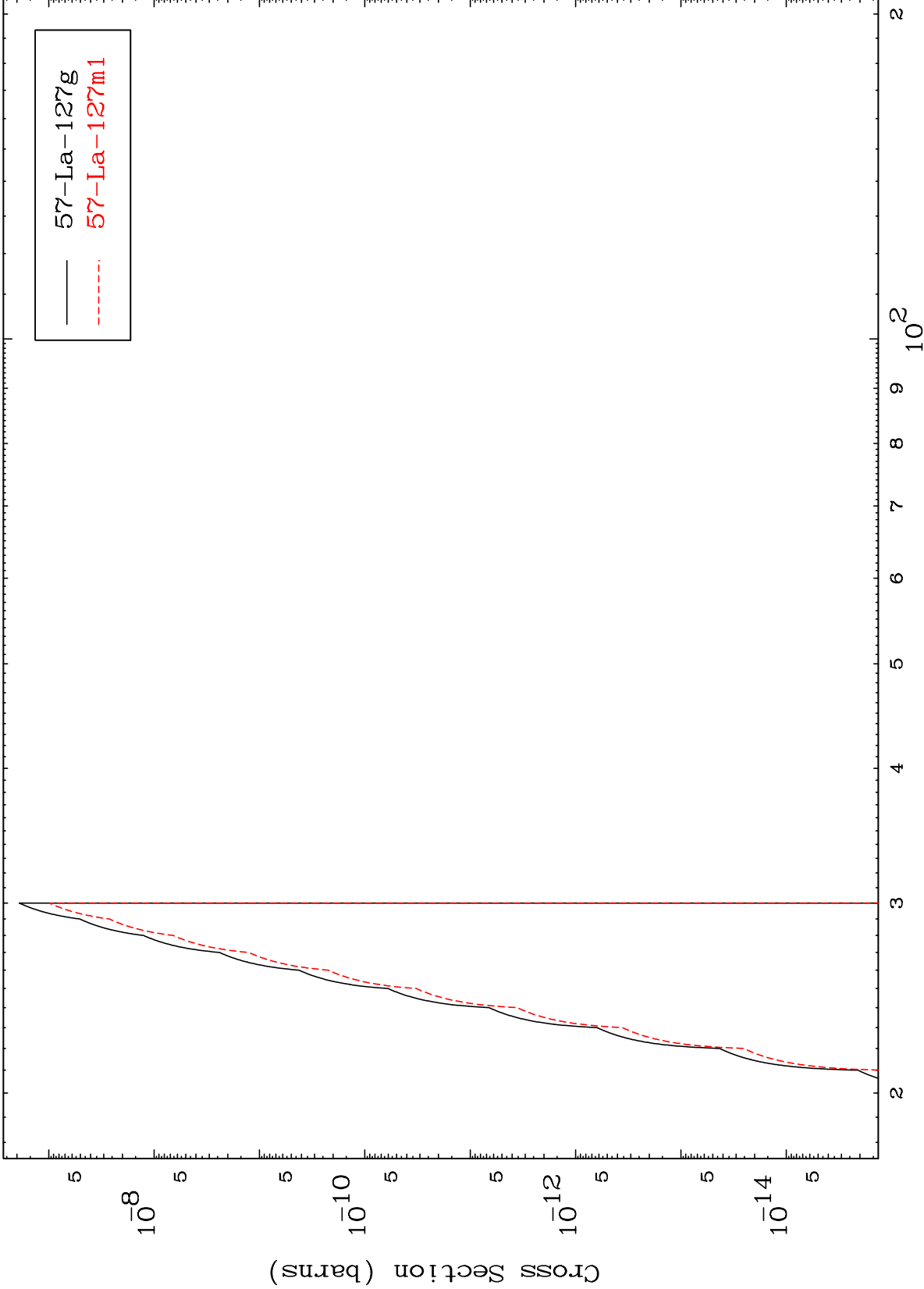
61-Pm-136

MAT 6117

(n,2n) 2α

61-Pm-136

Radionuclide Production Cross Section

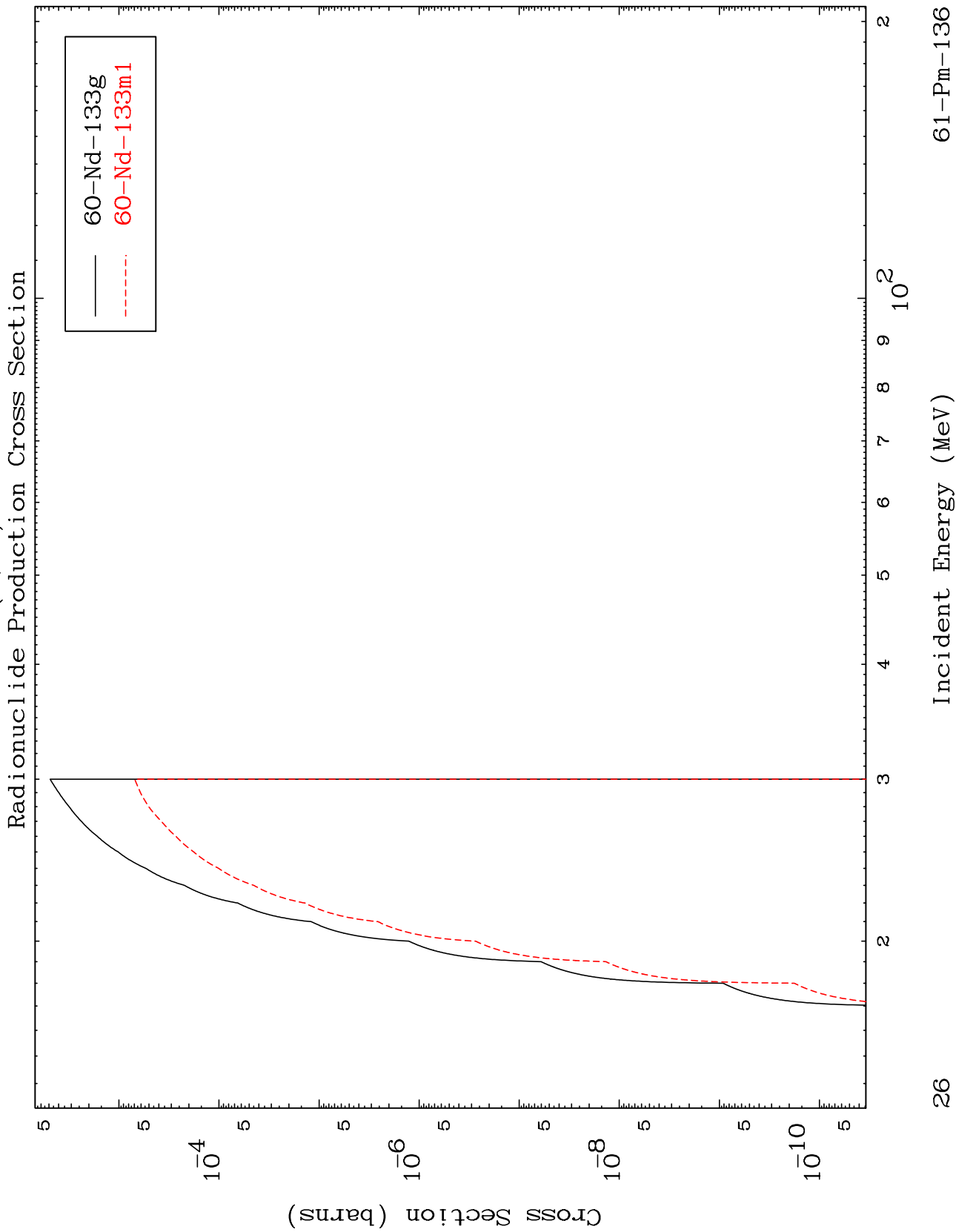


57-La-127g
57-La-127m1

25

Incident Energy (MeV)

61-Pm-136

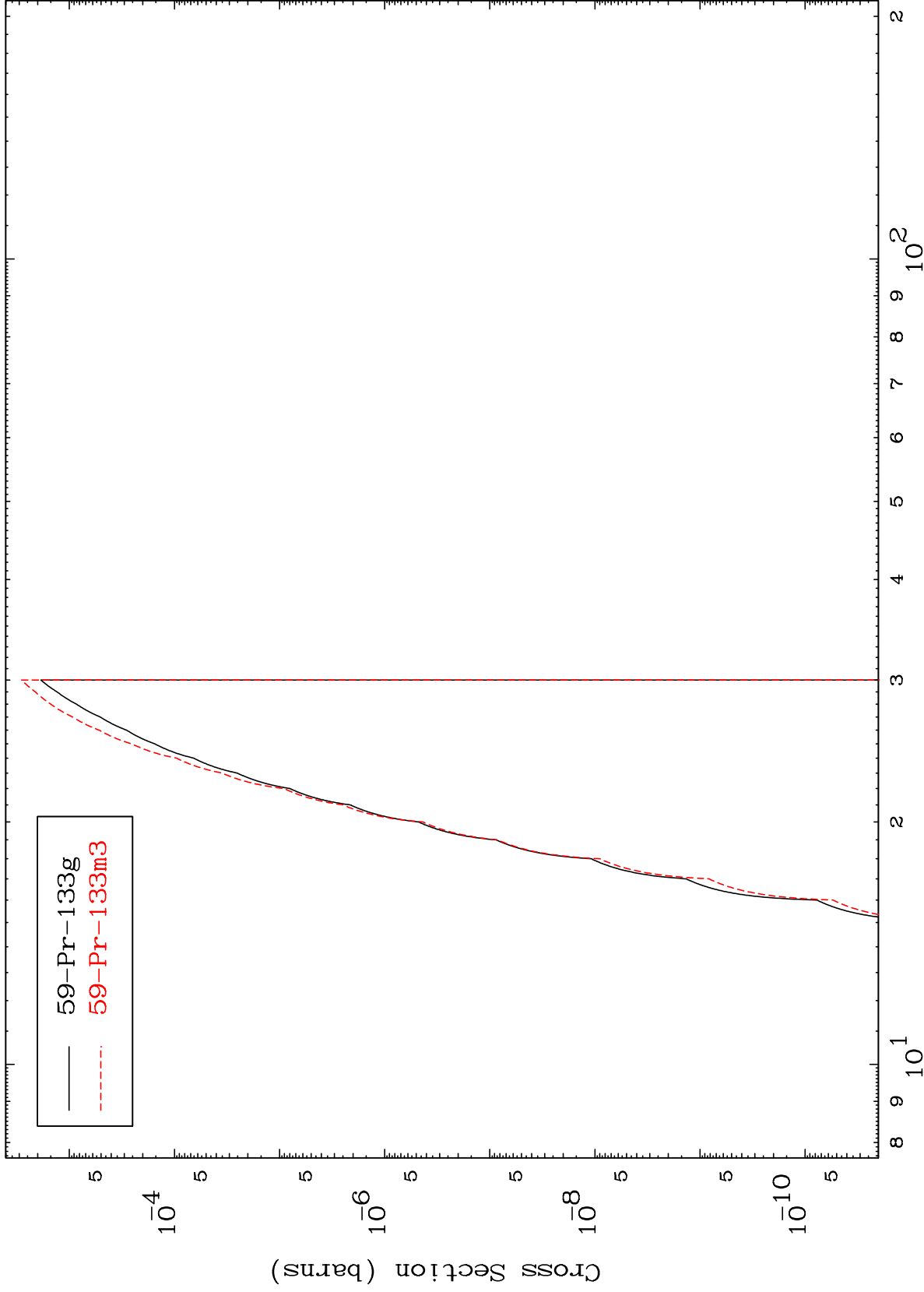


MAT 6117

(n,n') He-3

61-Pm-136

Radionuclide Production Cross Section

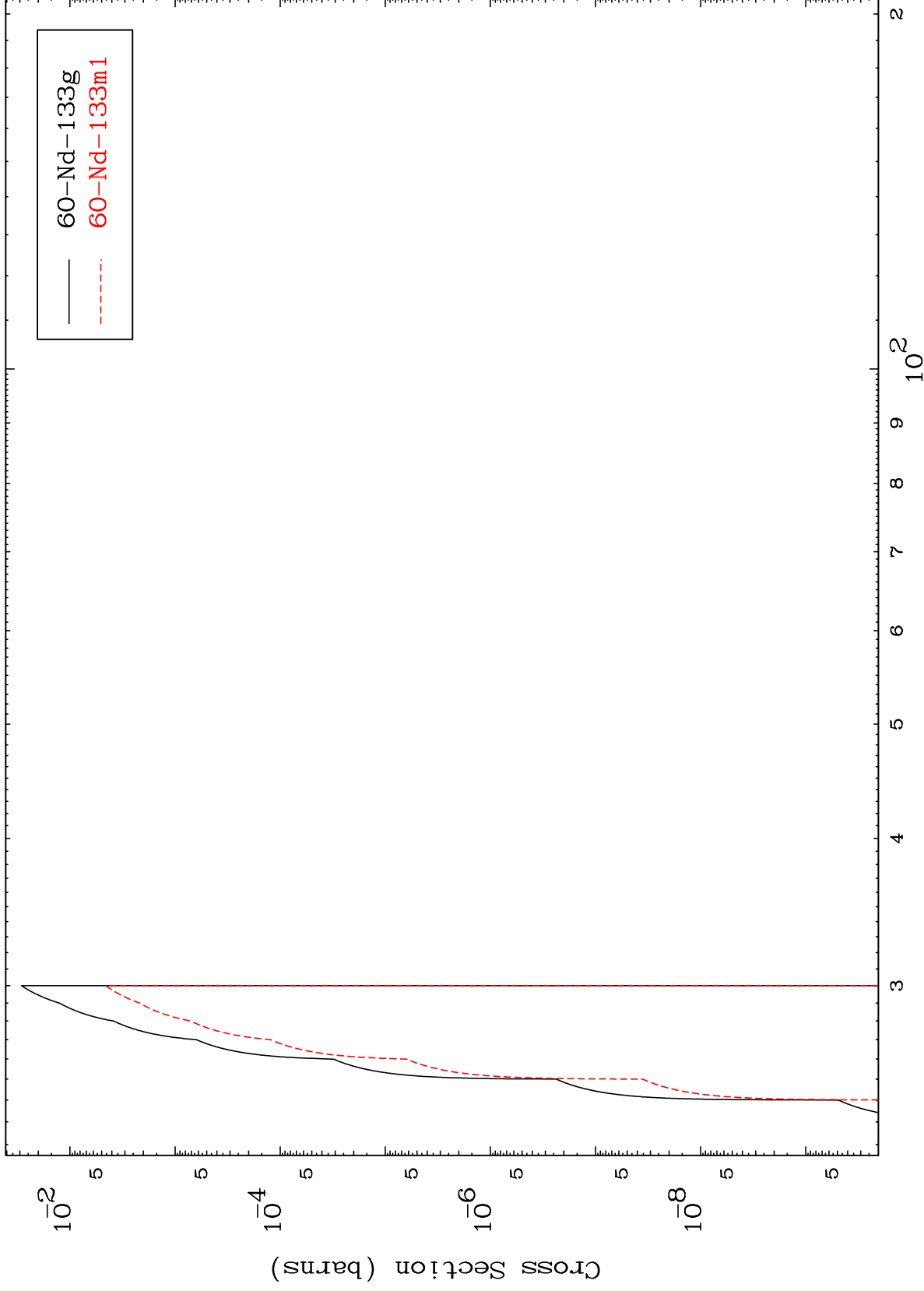


MAT 6117

(n,3n) p

61-Pm-136

Radionuclide Production Cross Section



28

Incident Energy (MeV)

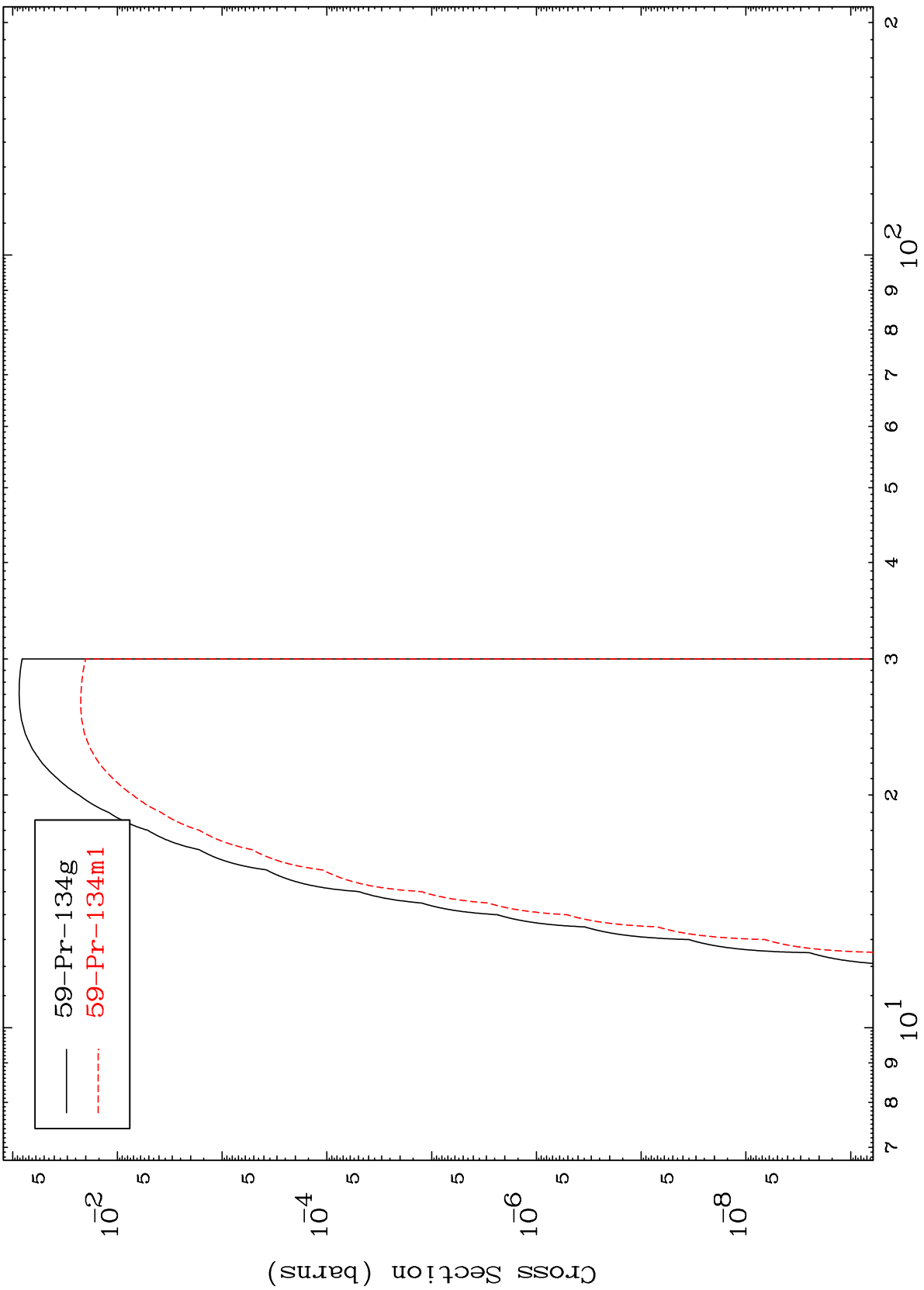
61-Pm-136

MAT 6117

(n,2n) p

61-Pm-136

Radionuclide Production Cross Section



59-Pr-134g
59-Pr-134m1

29

Incident Energy (MeV)

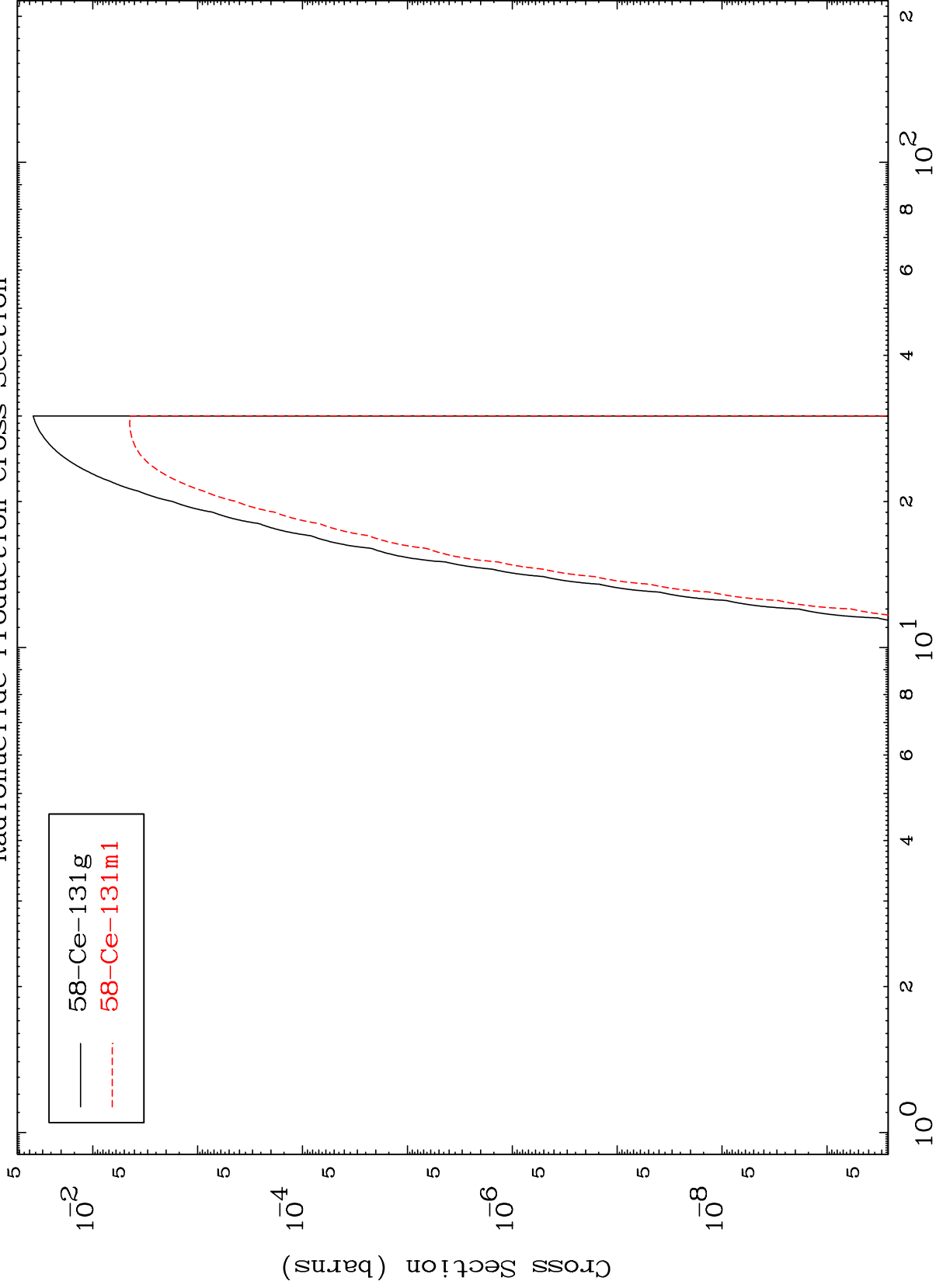
61-Pm-136

MAT 6117

(n,n') p α

61-Pm-136

Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-136

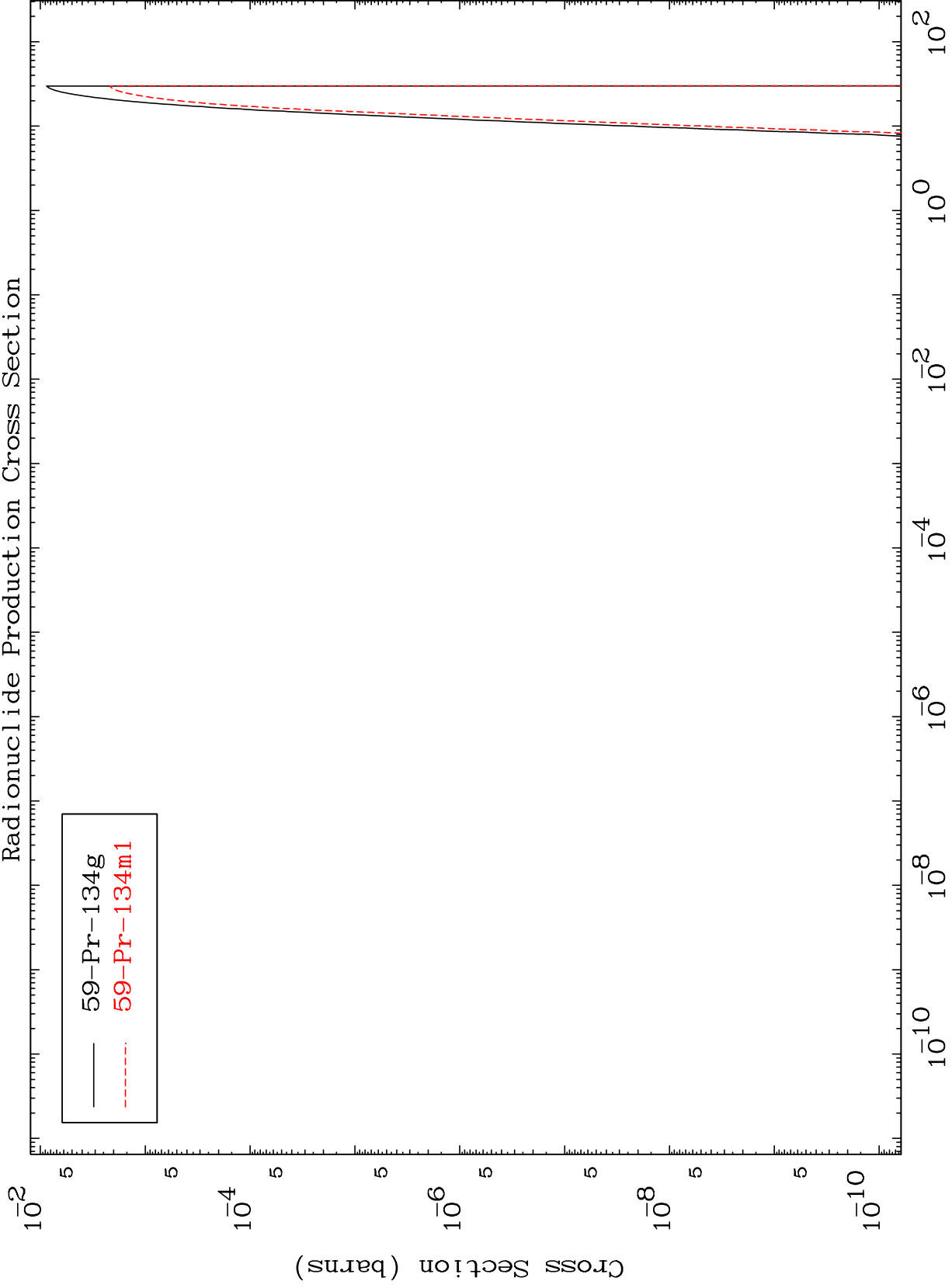
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MAT 6117

(n,He-3)

61-Pm-136

Radionuclide Production Cross Section

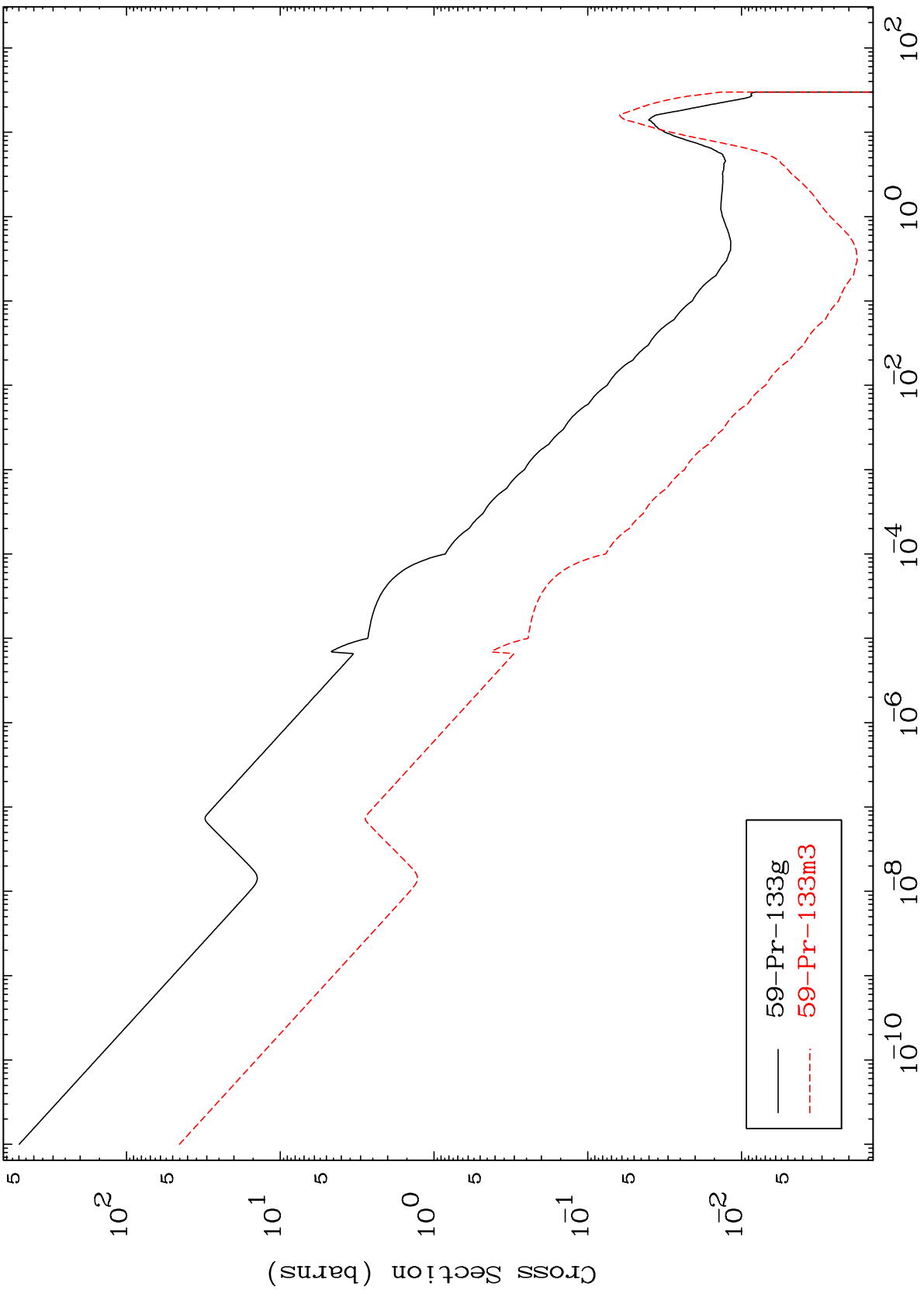


MAT 6117

61-Pm-136

Radionuclide Production Cross Section

(n, α)



61-Pm-136

Incident Energy (MeV)

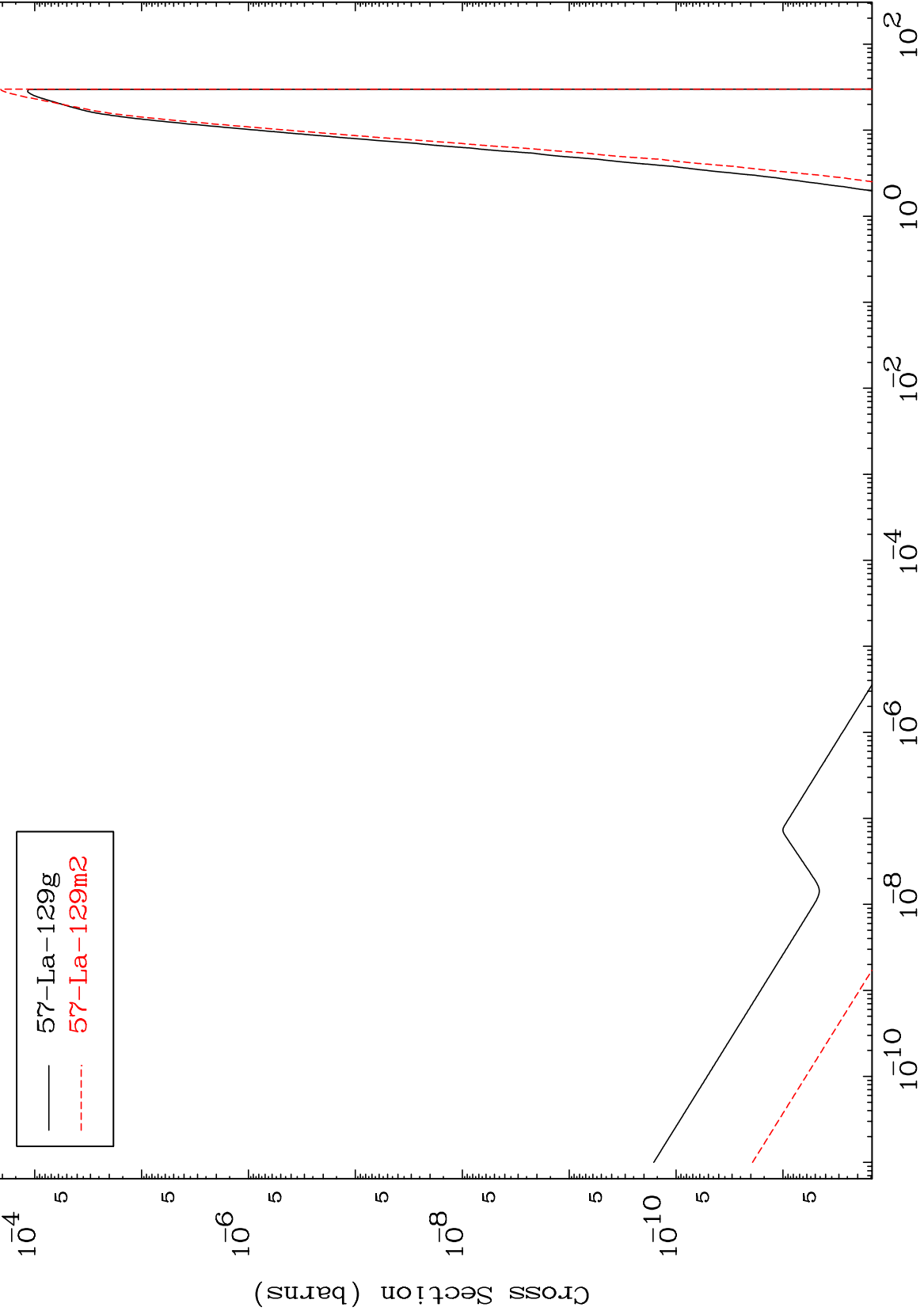
32

MAT 61117

(n,2α)

61-Pm-136

Radionuclide Production Cross Section



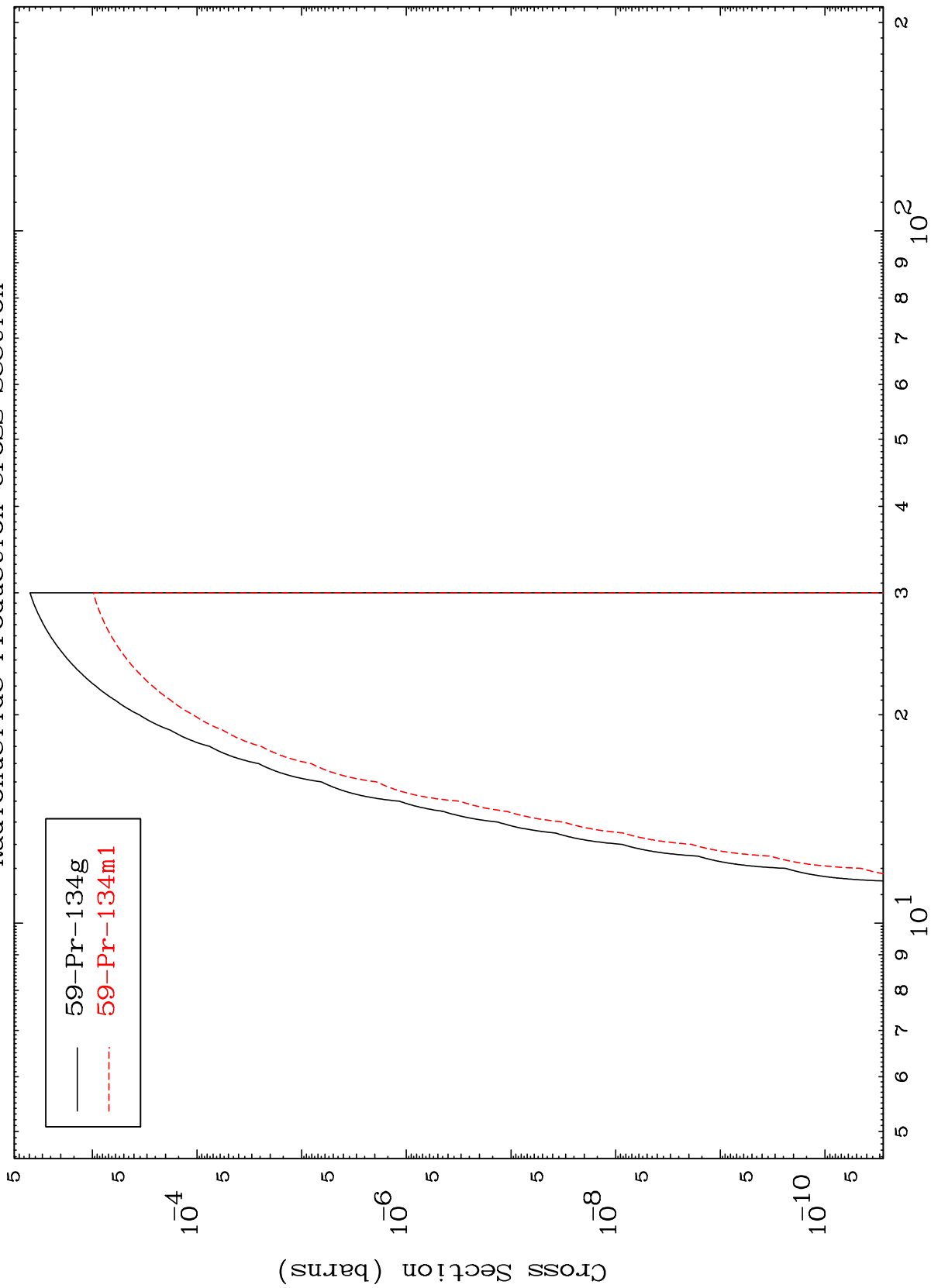
57-La-129g
57-La-129m2

MAT 6117

(n,p) d

61-Pm-136

Radionuclide Production Cross Section



34

Incident Energy (MeV)

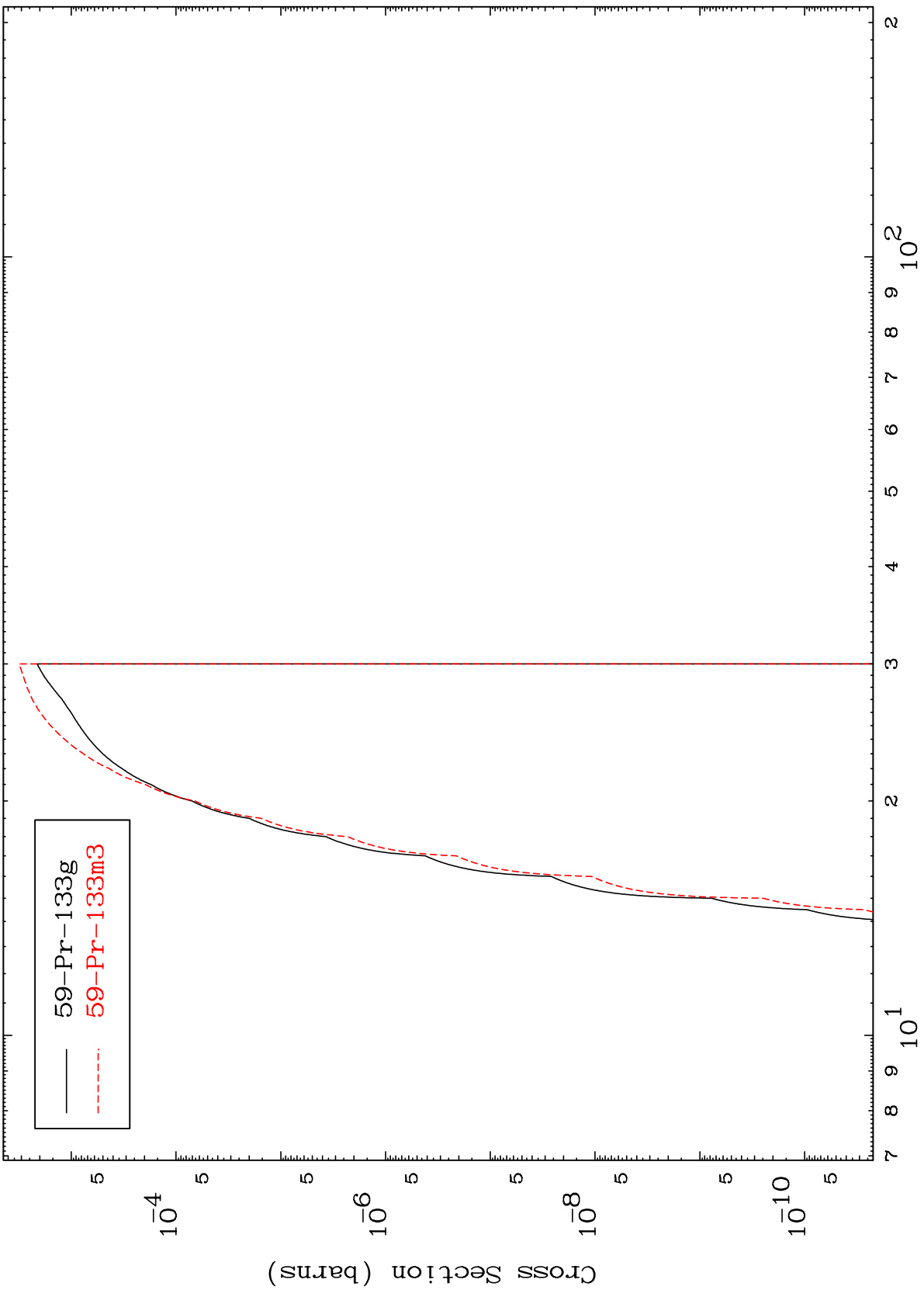
61-Pm-136

MAT 6117

(n,p) t

61-Pm-136

Radionuclide Production Cross Section



59-Pr-133g
59-Pr-133m3

35

Incident Energy (MeV)

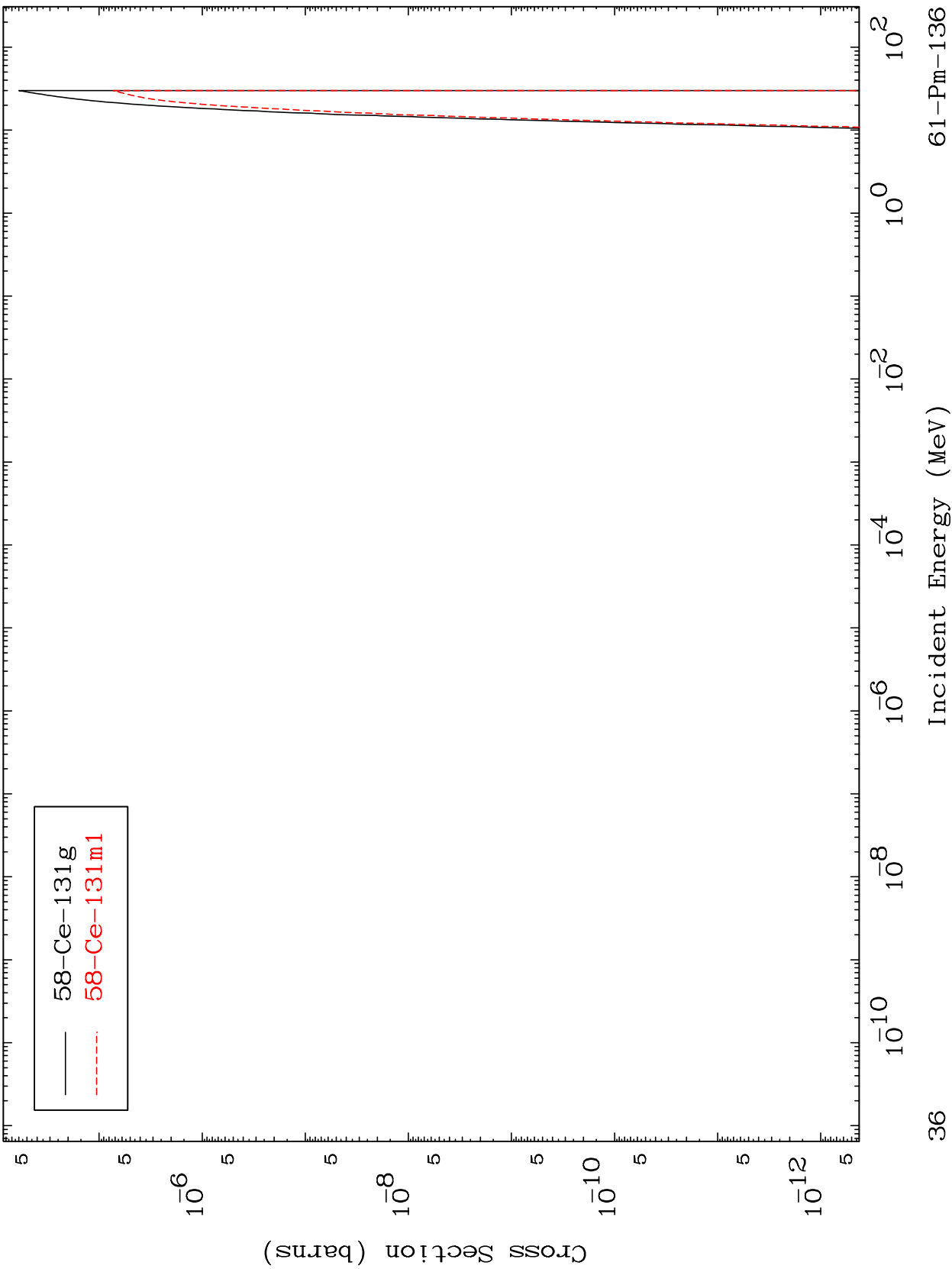
61-Pm-136

MAT 6117

(n,d) α

61-Pm-136

Radionuclide Production Cross Section



58-Ce-131g
58-Ce-131m1