

Program EVALPLOT
(Version 2018-1)

by

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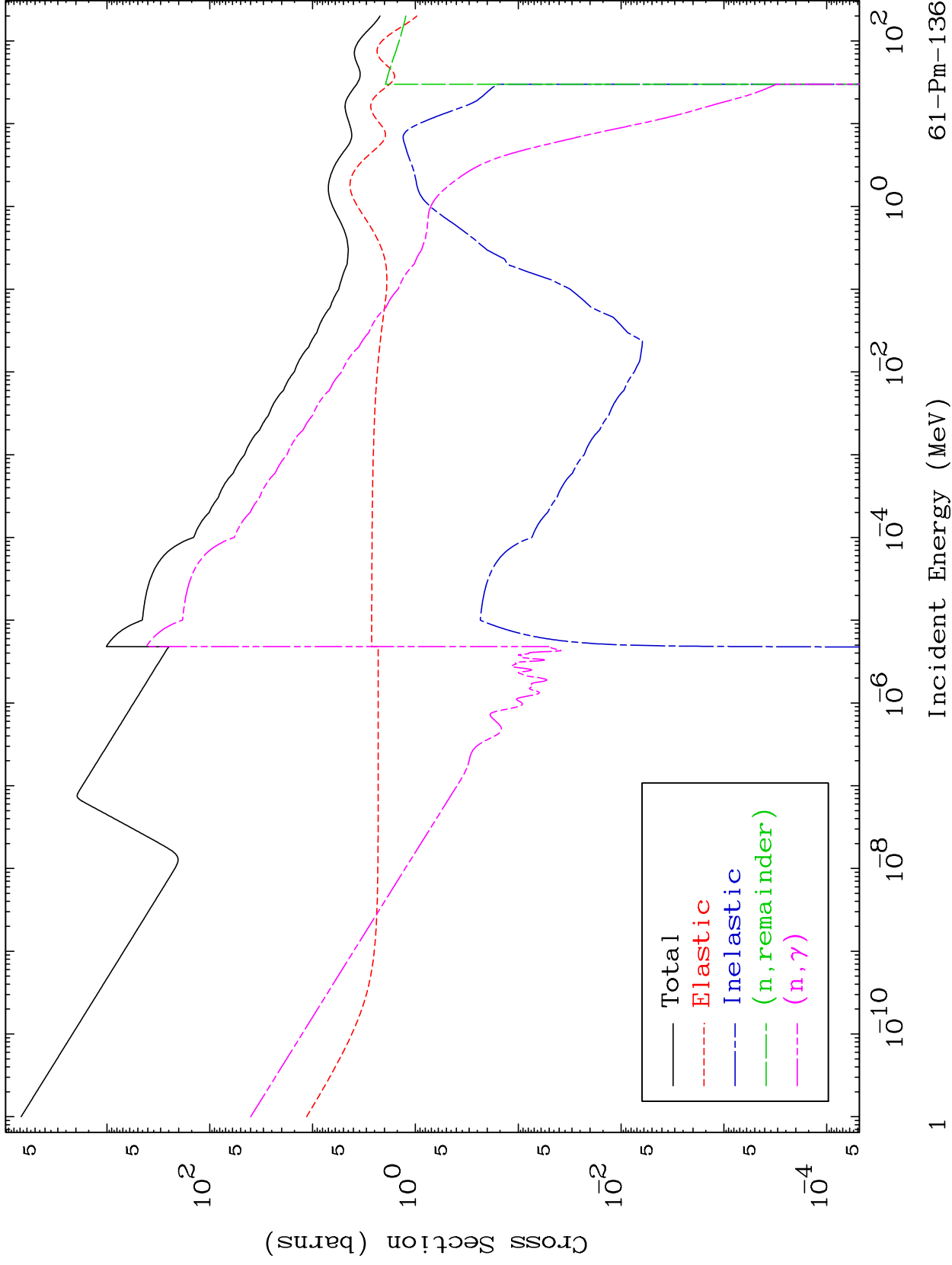
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6117

Major
293 Kelvin Cross Sections

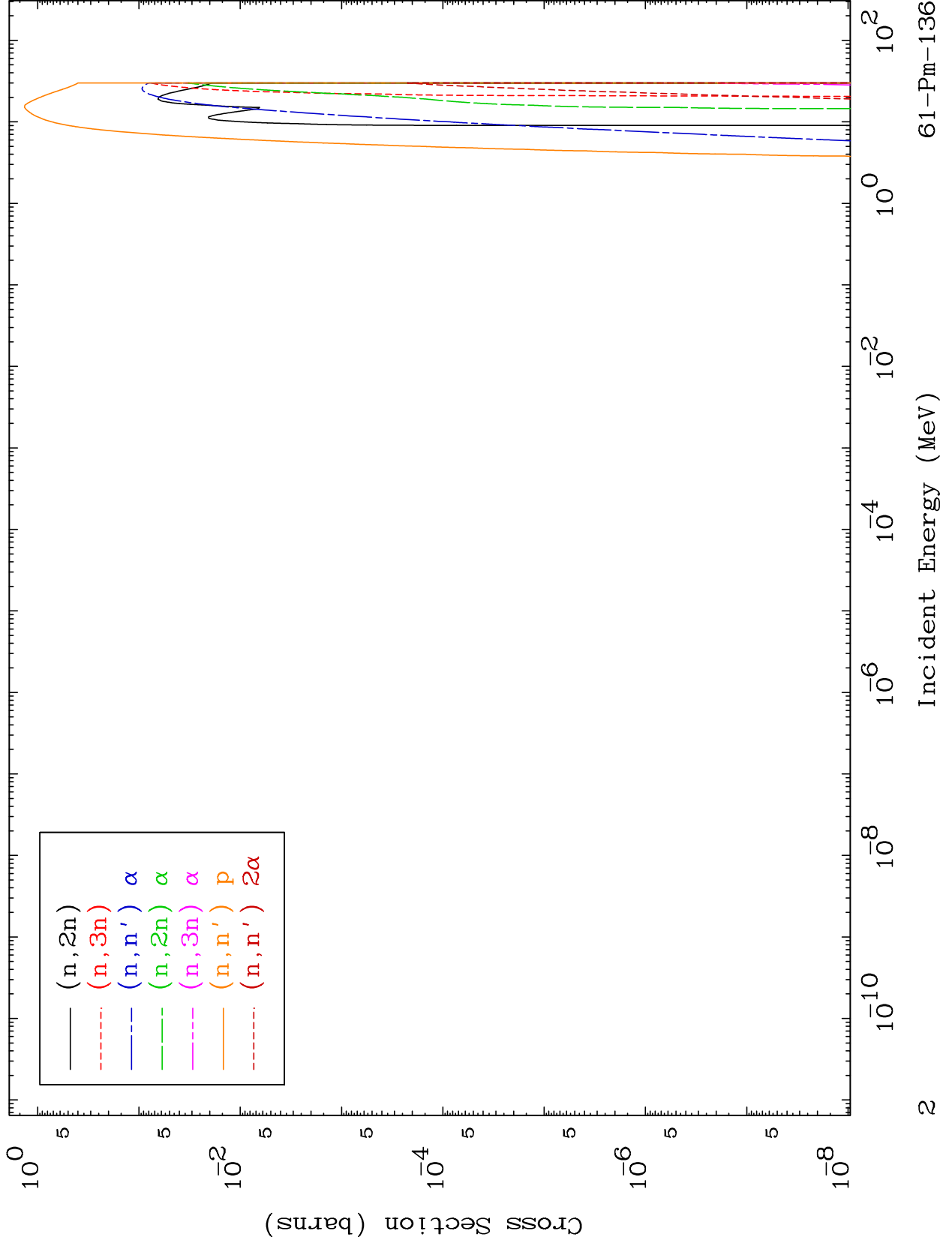
61-Pm-136

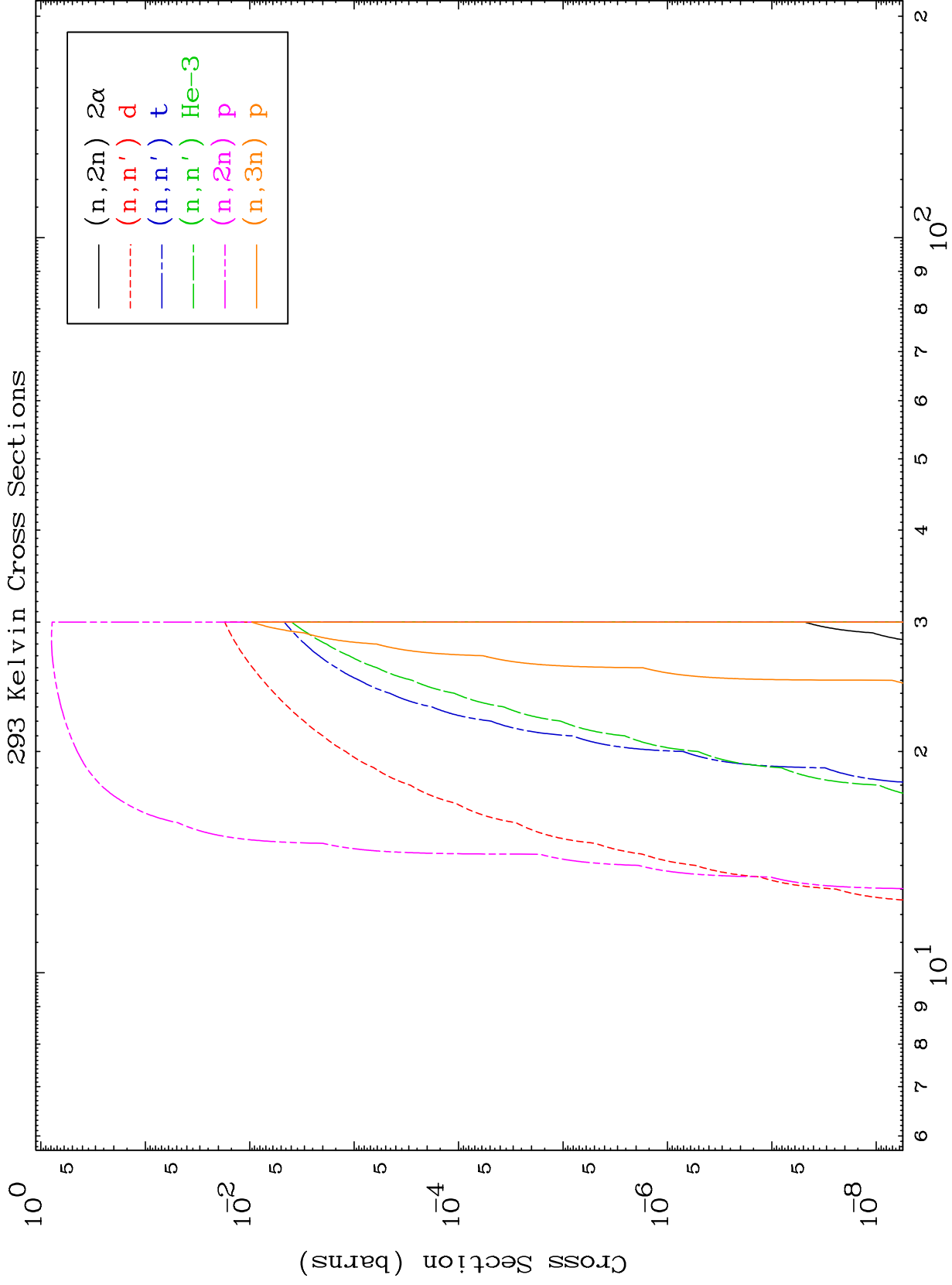


MAT 6117

Neutron Production
293 Kelvin Cross Sections

61-Pm-136

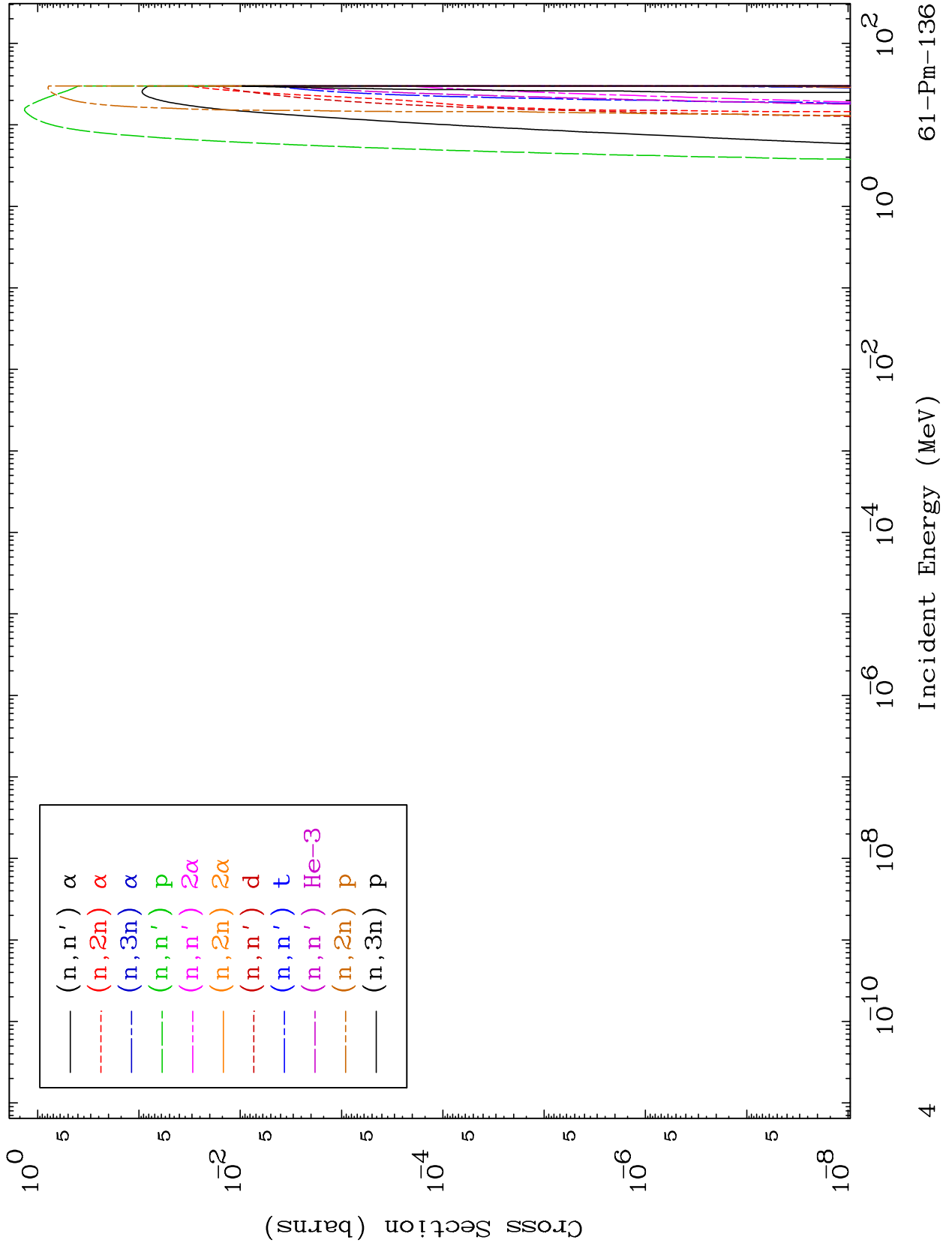




MAT 6117

Charged Particle
293 Kelvin Cross Sections

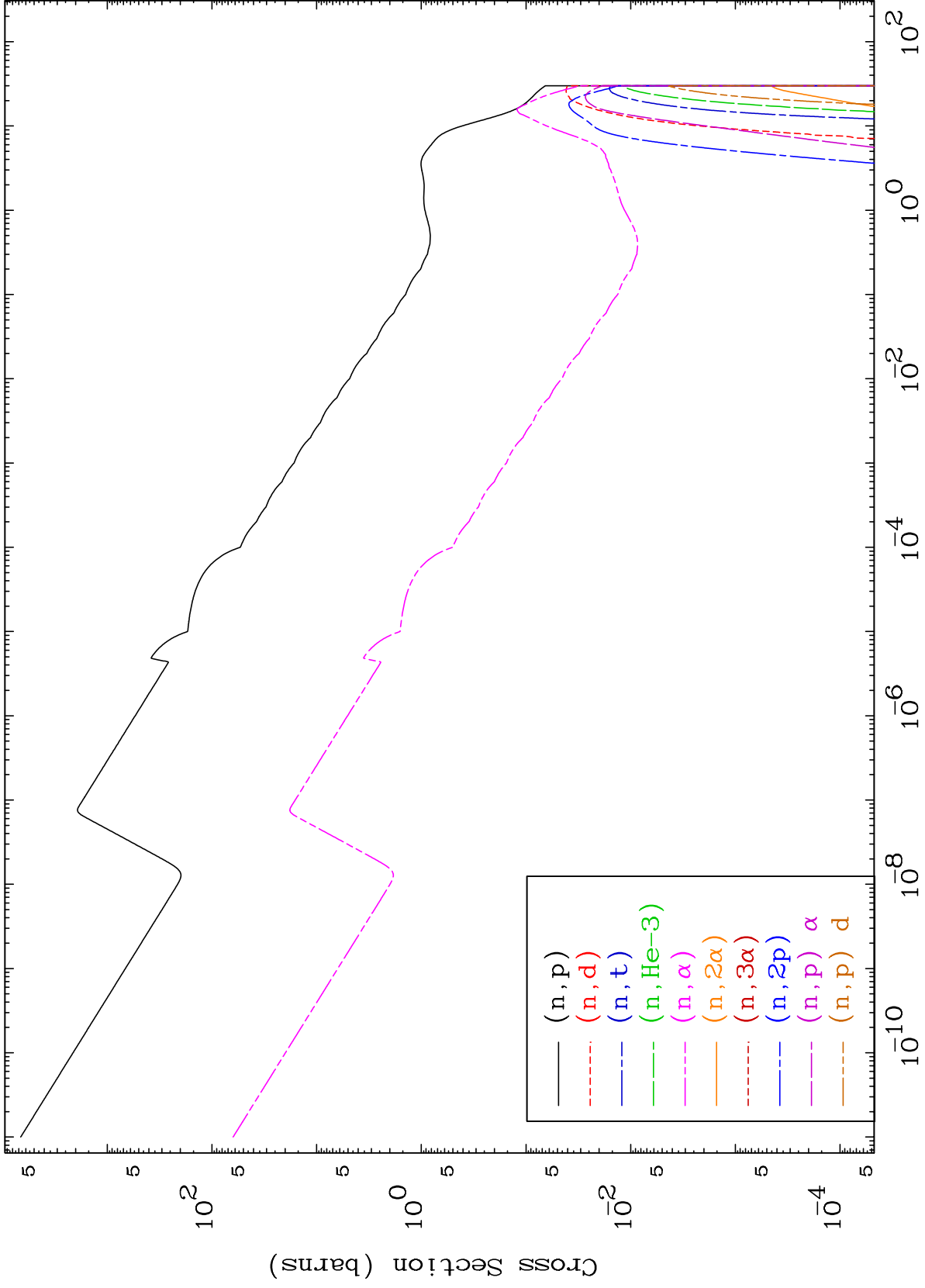
61-Pm-136



MAT 6117

Charged Particle
293 Kelvin Cross Sections

61-Pm-136



5

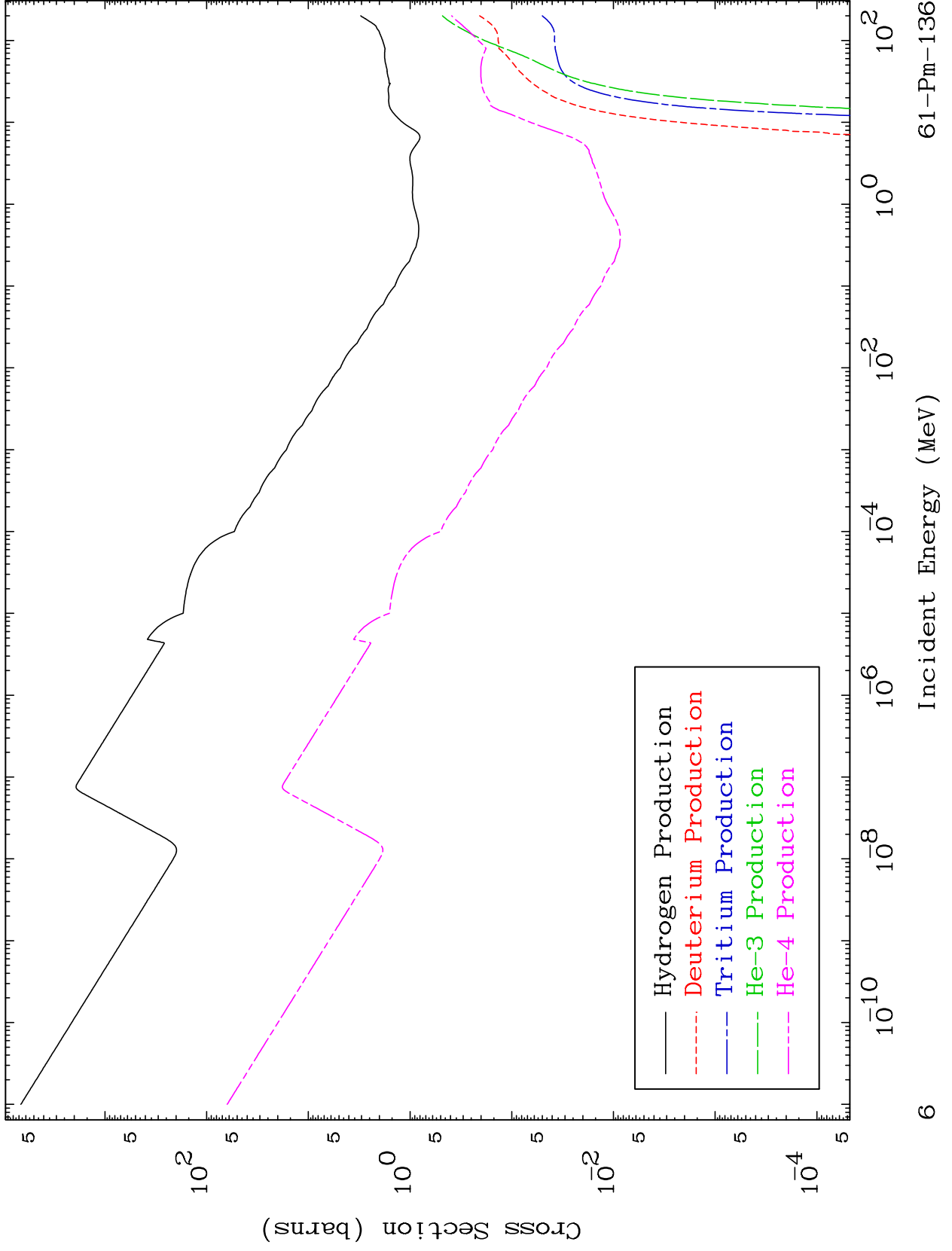
Incident Energy (MeV)

61-Pm-136

MAT 6117

Particle Production
293 Kelvin Cross Sections

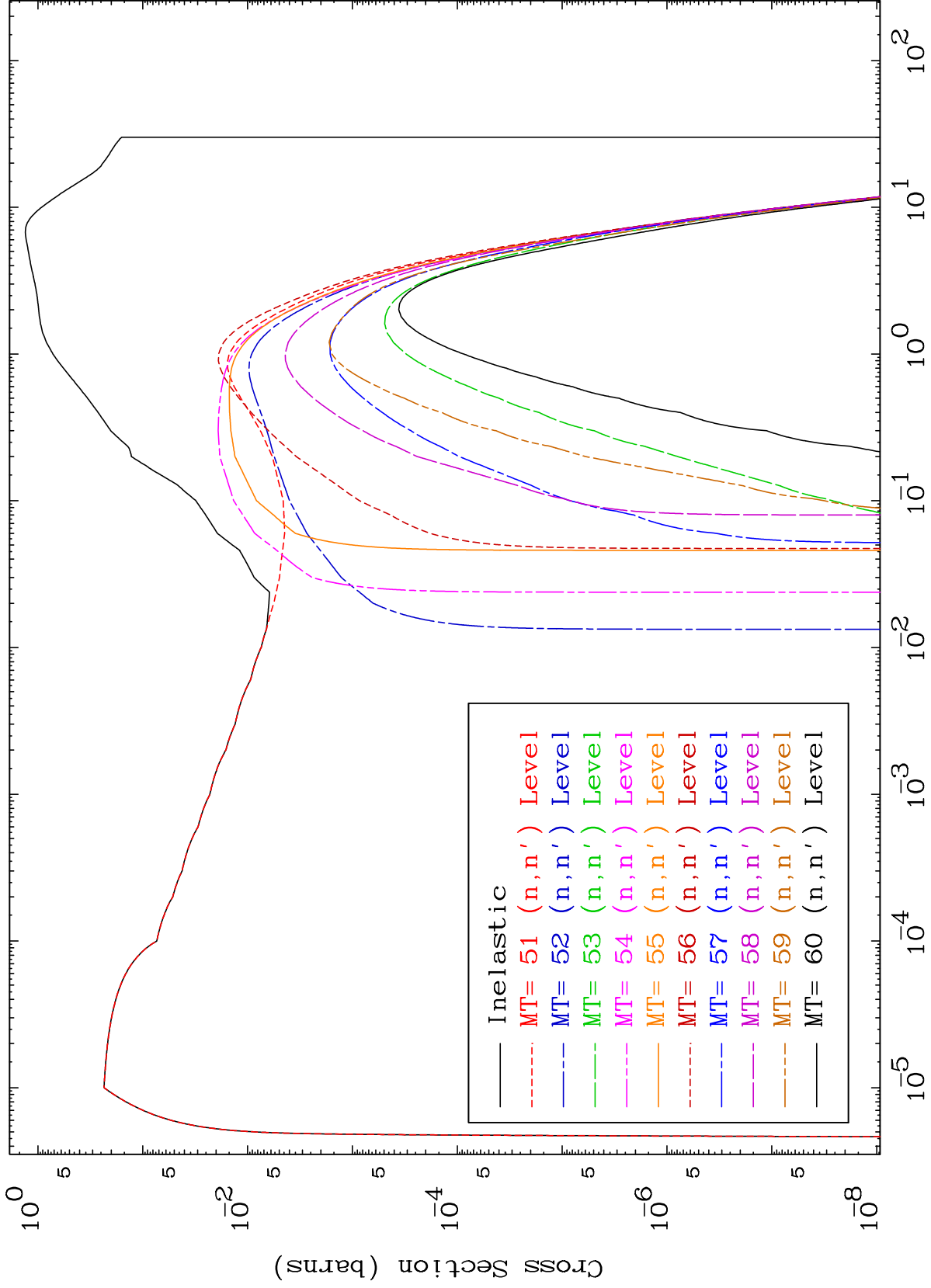
61-Pm-136



MAT 6117

293 Kelvin Cross Sections
(n,n') Level

61-Pm-136

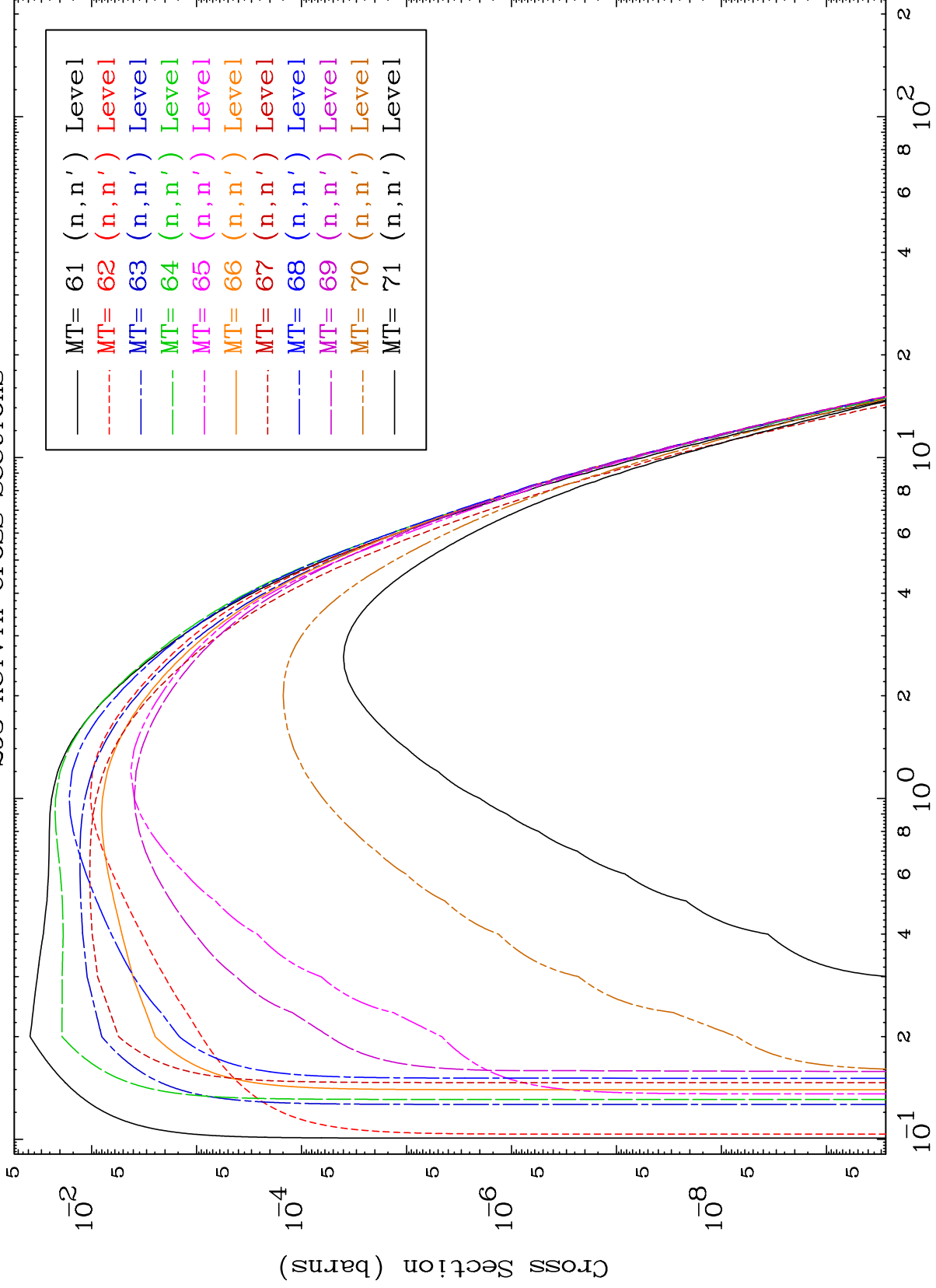


MAT 6117

(n,n') Level

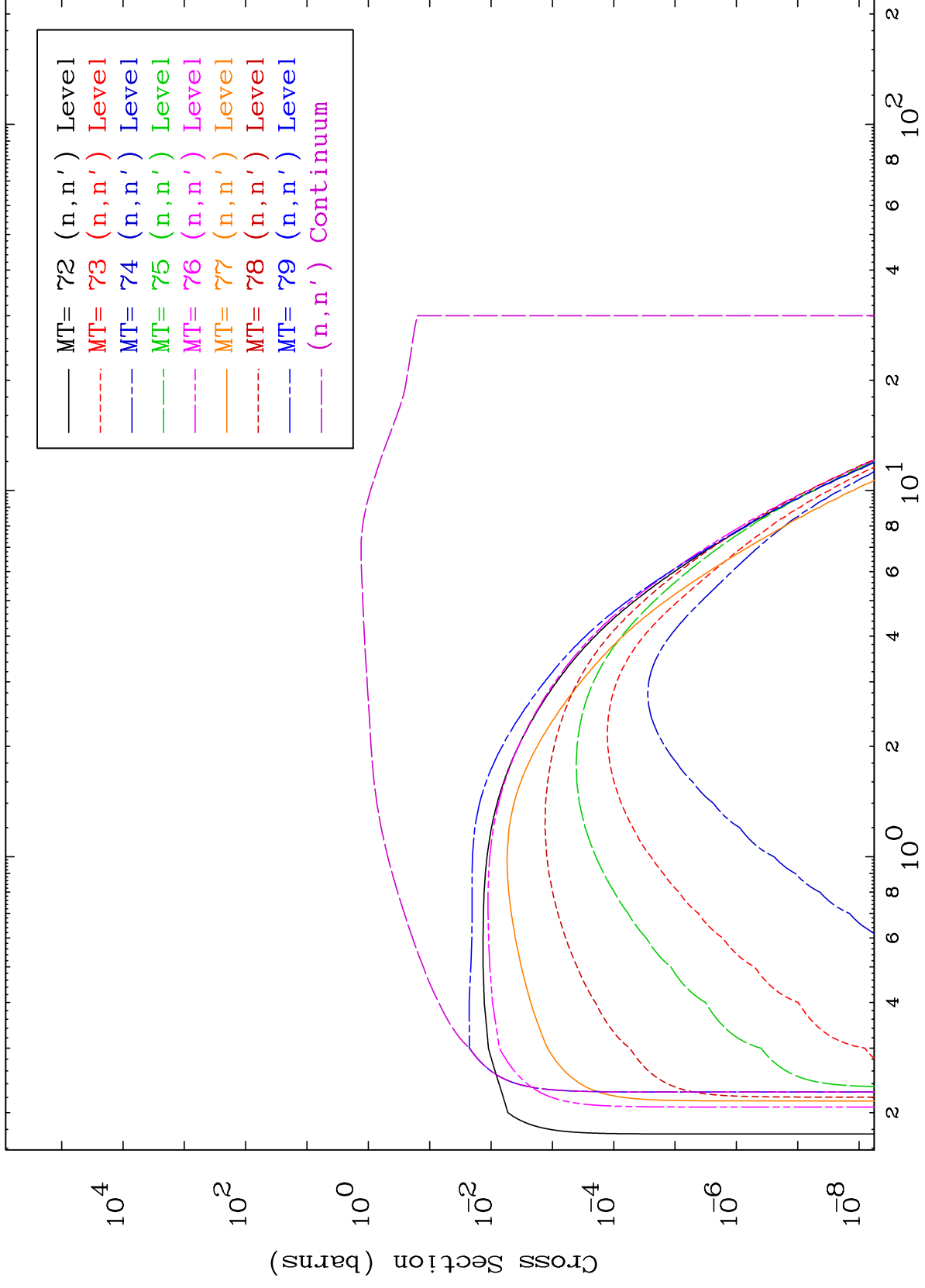
293 Kelvin Cross Sections

61-Pm-136



Incident Energy (MeV)

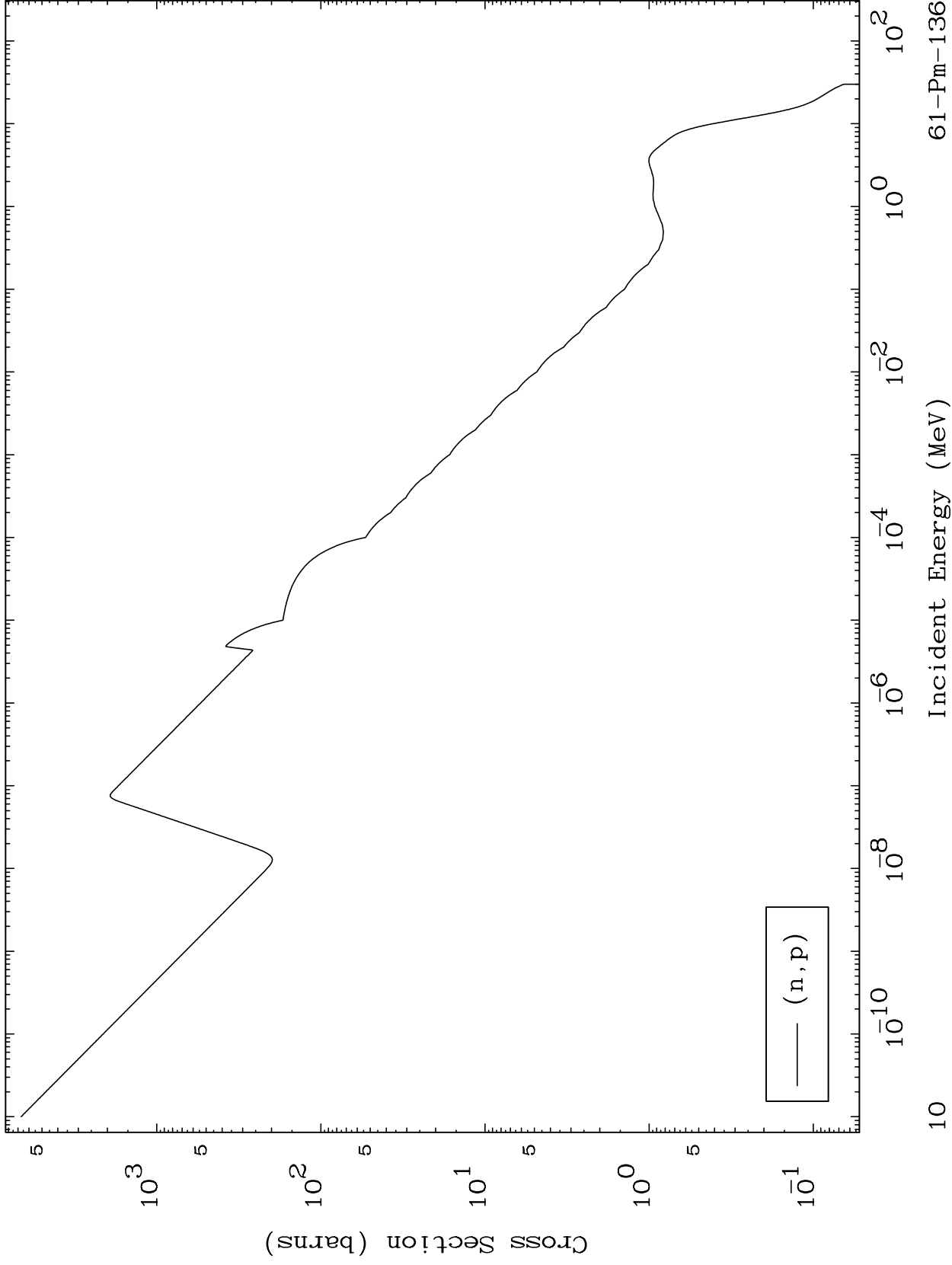
61-Pm-136



MAT 6117

(n,p) Levels
293 Kelvin Cross Sections

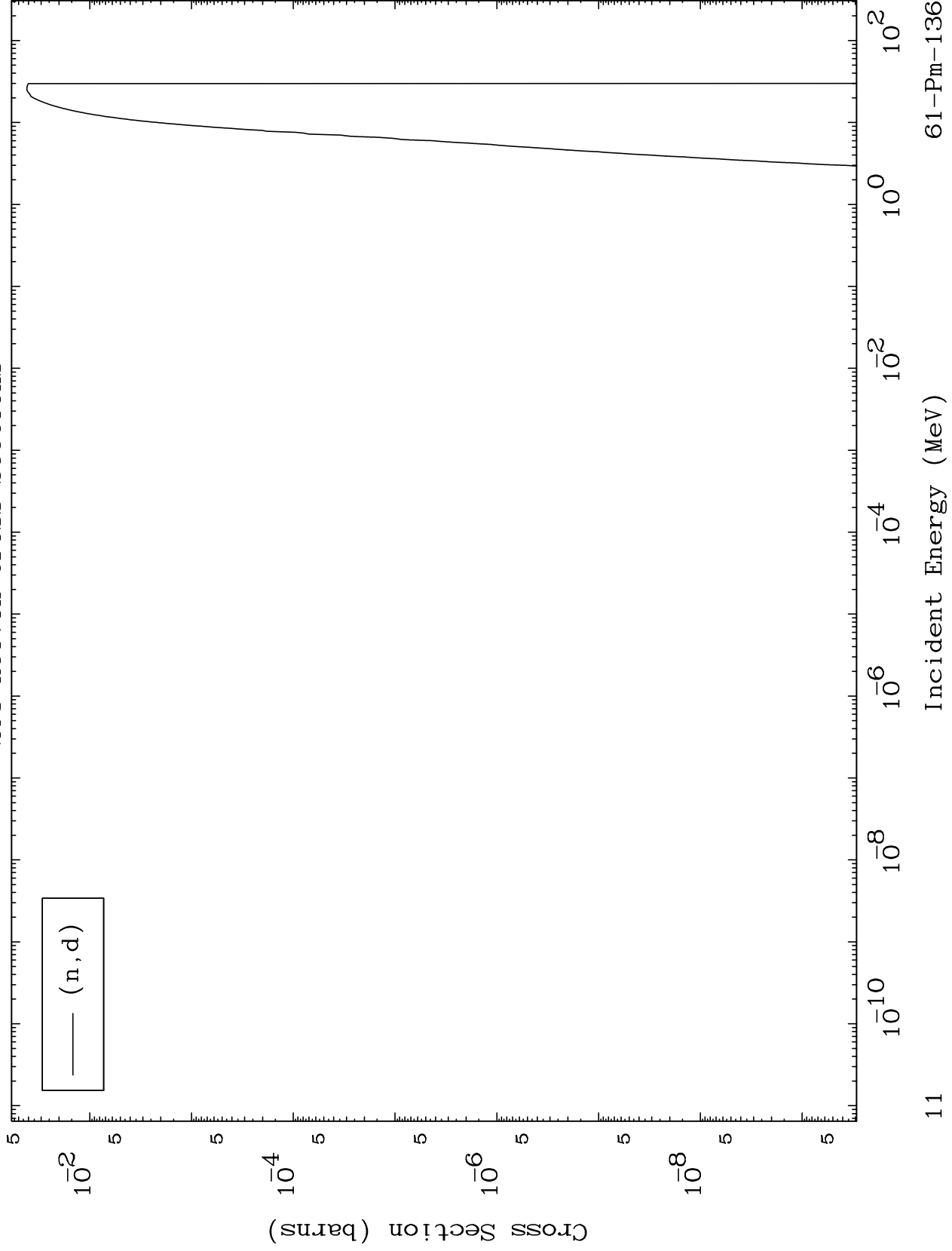
61-Pm-136



MAT 6117

(n,d) Levels
293 Kelvin Cross Sections

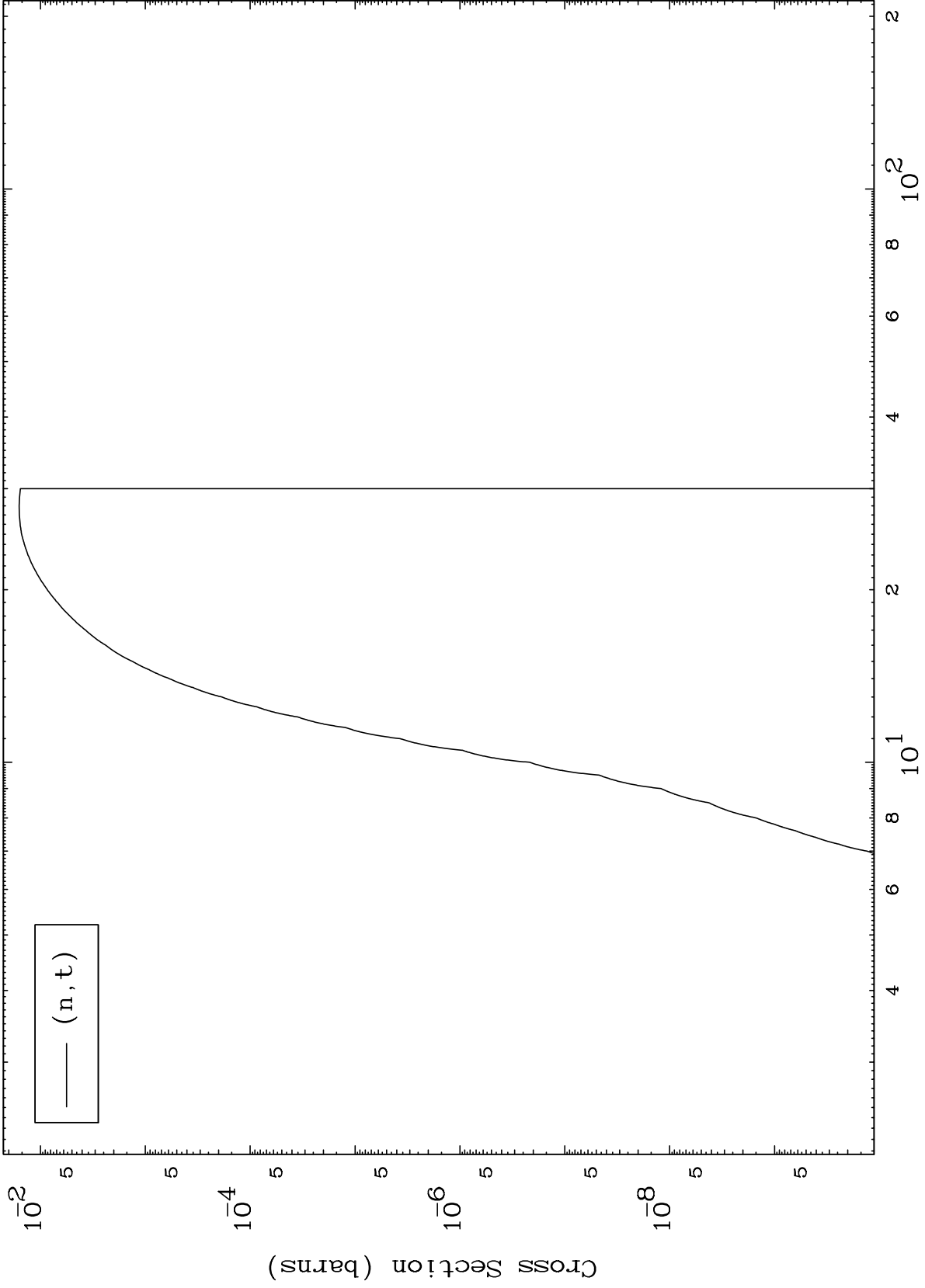
61-Pm-136



MAT 6117

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-136



12

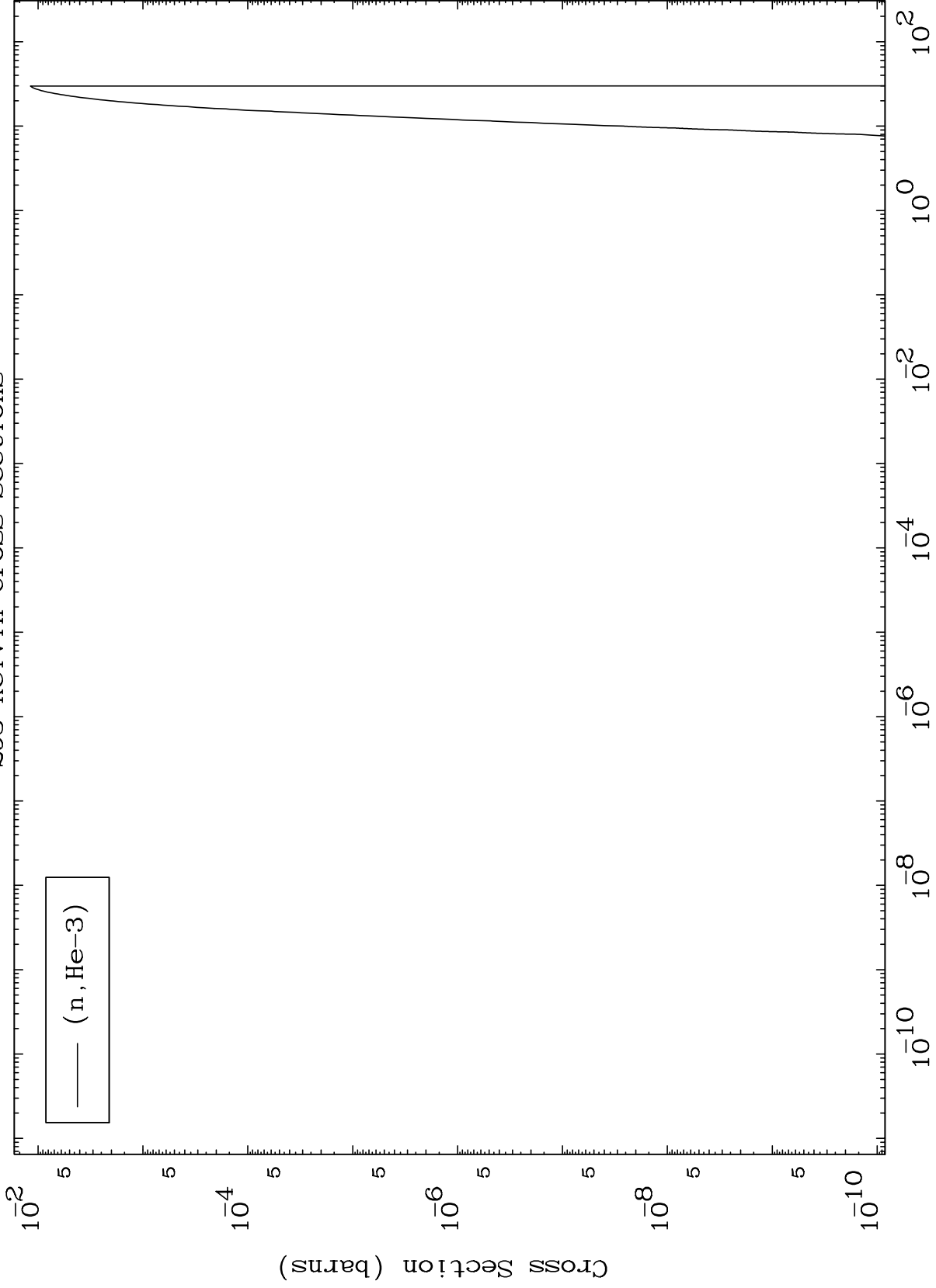
Incident Energy (MeV)

61-Pm-136

MAT 6117

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-136



13

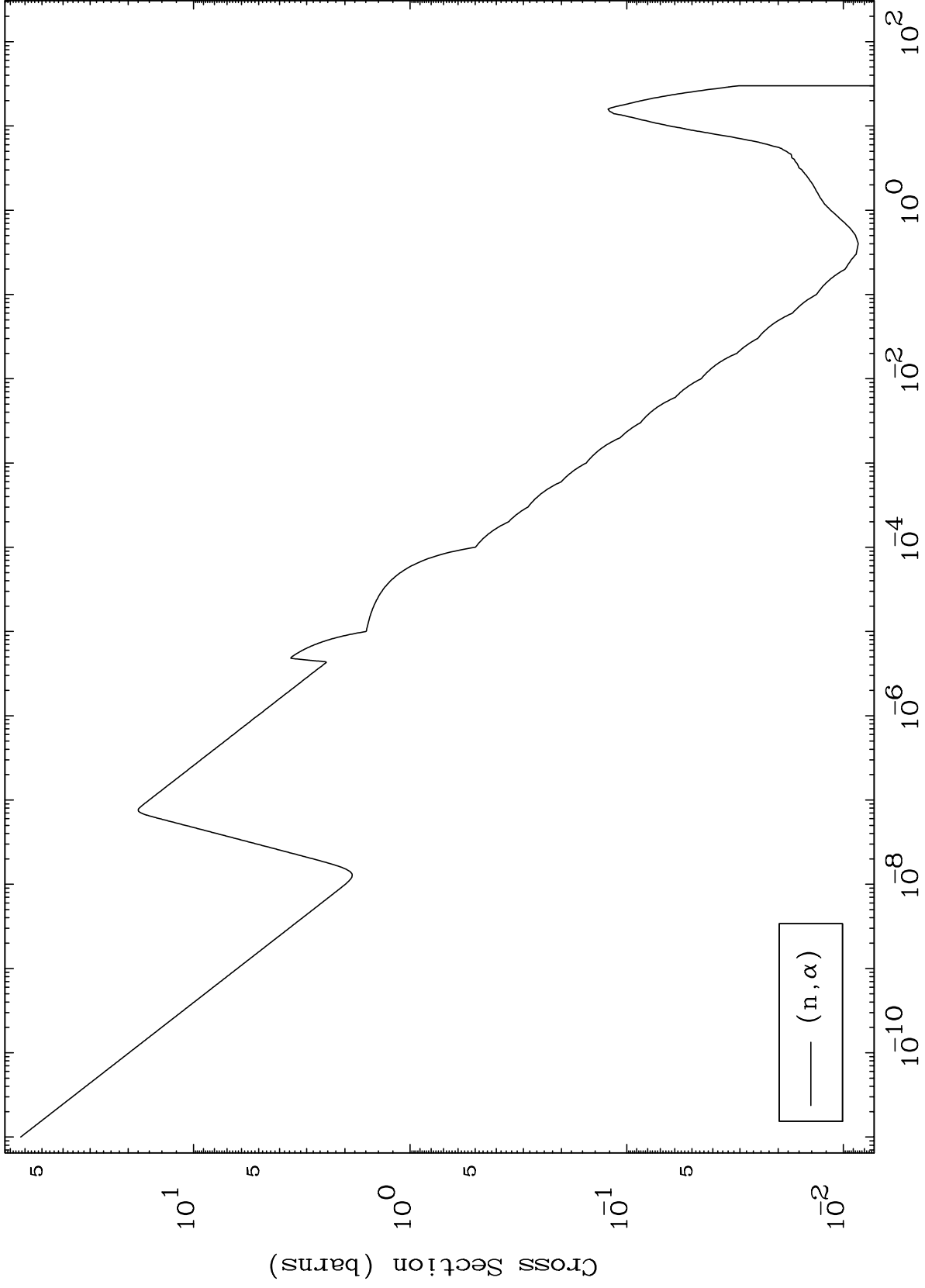
Incident Energy (MeV)

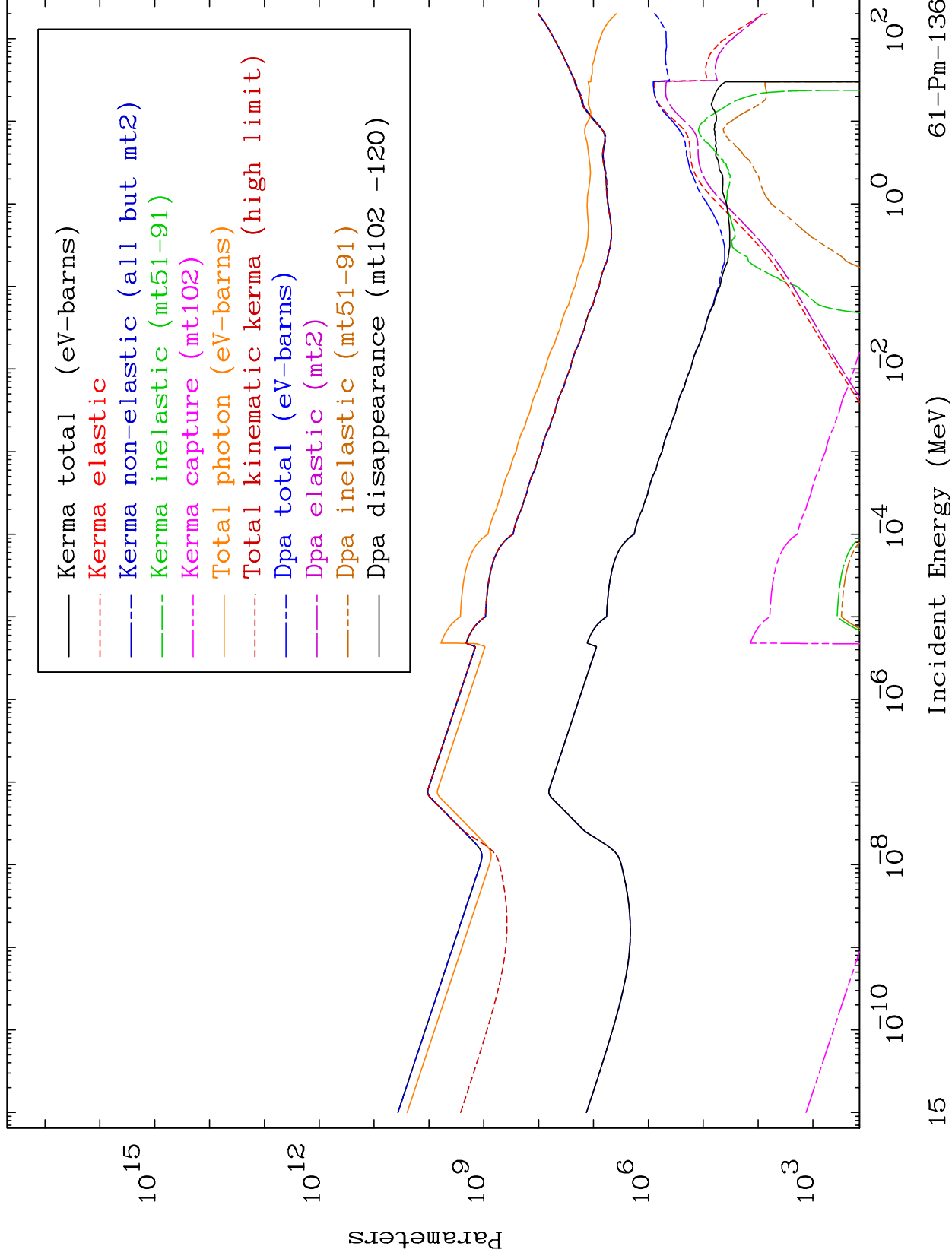
61-Pm-136

MAT 6117

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-136

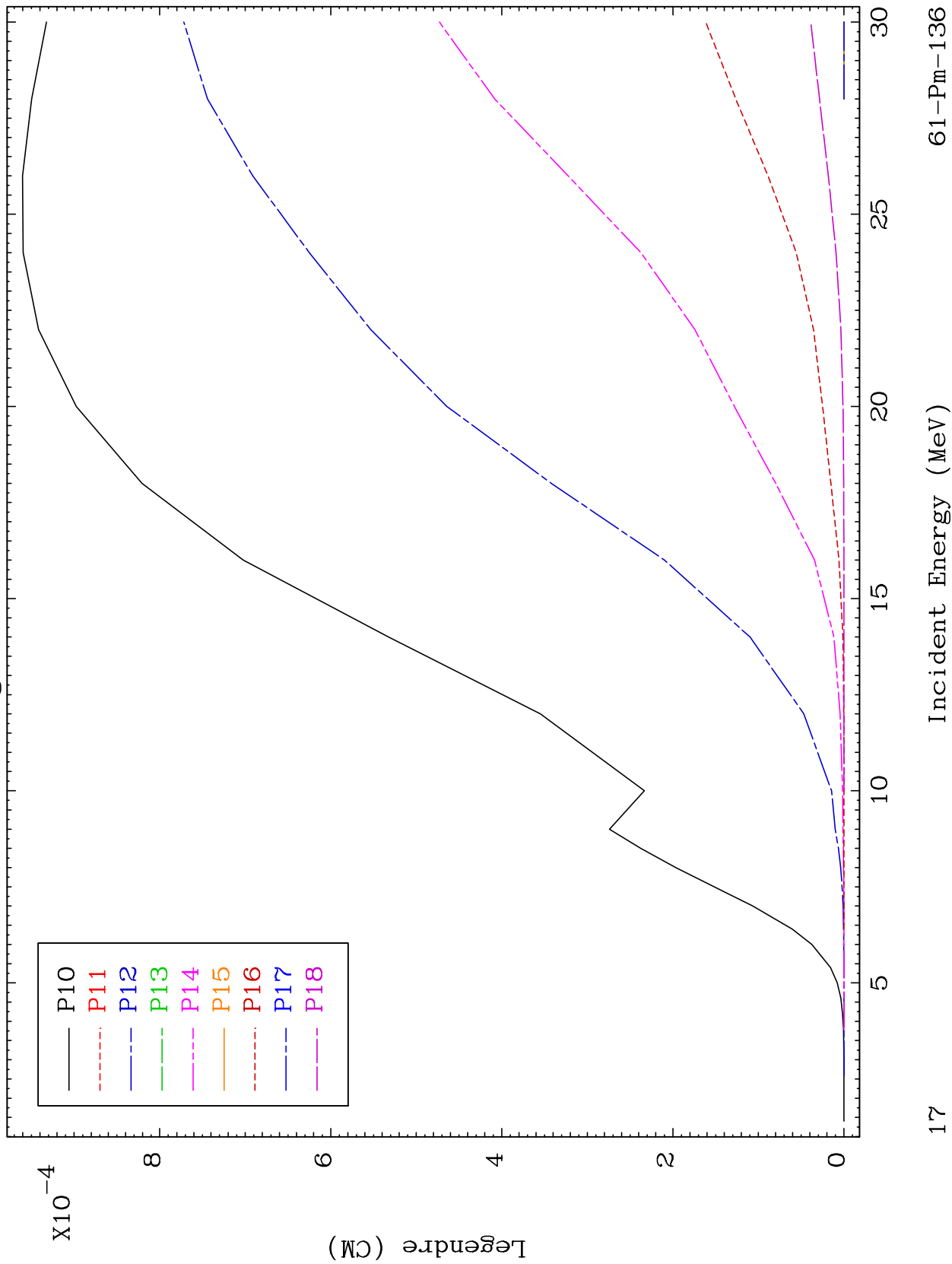




MAT 6117

Elastic Legendre Coefficients

61-Pm-136



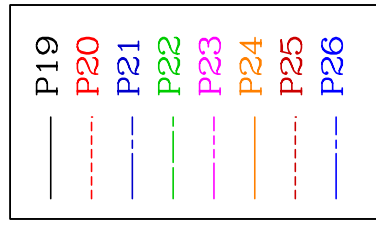
17

61-Pm-136

MAT 6117

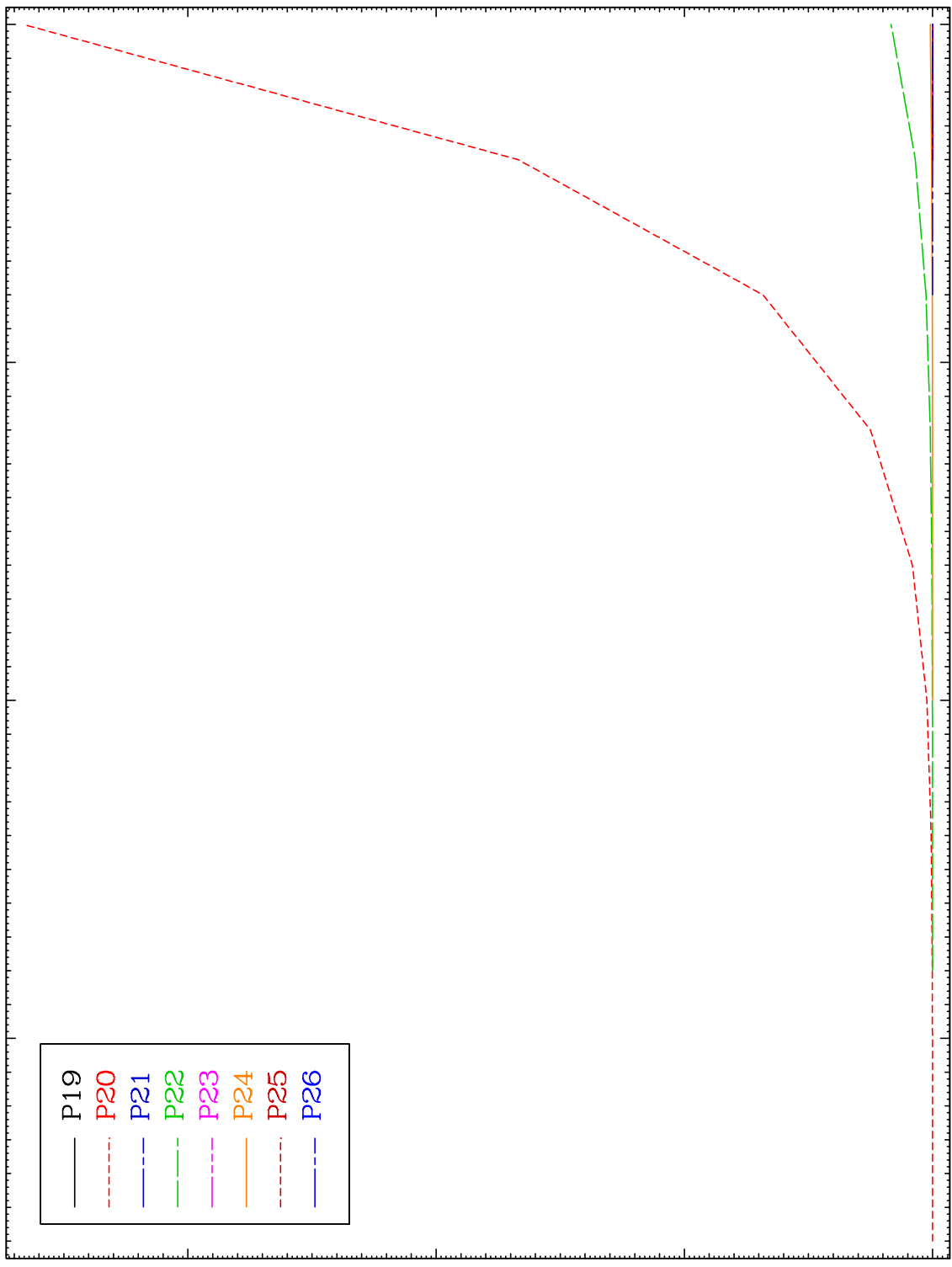
Elastic
Legendre Coefficients

61-Pm-136



$\times 10^{-6}$

Legendre (CM)



18

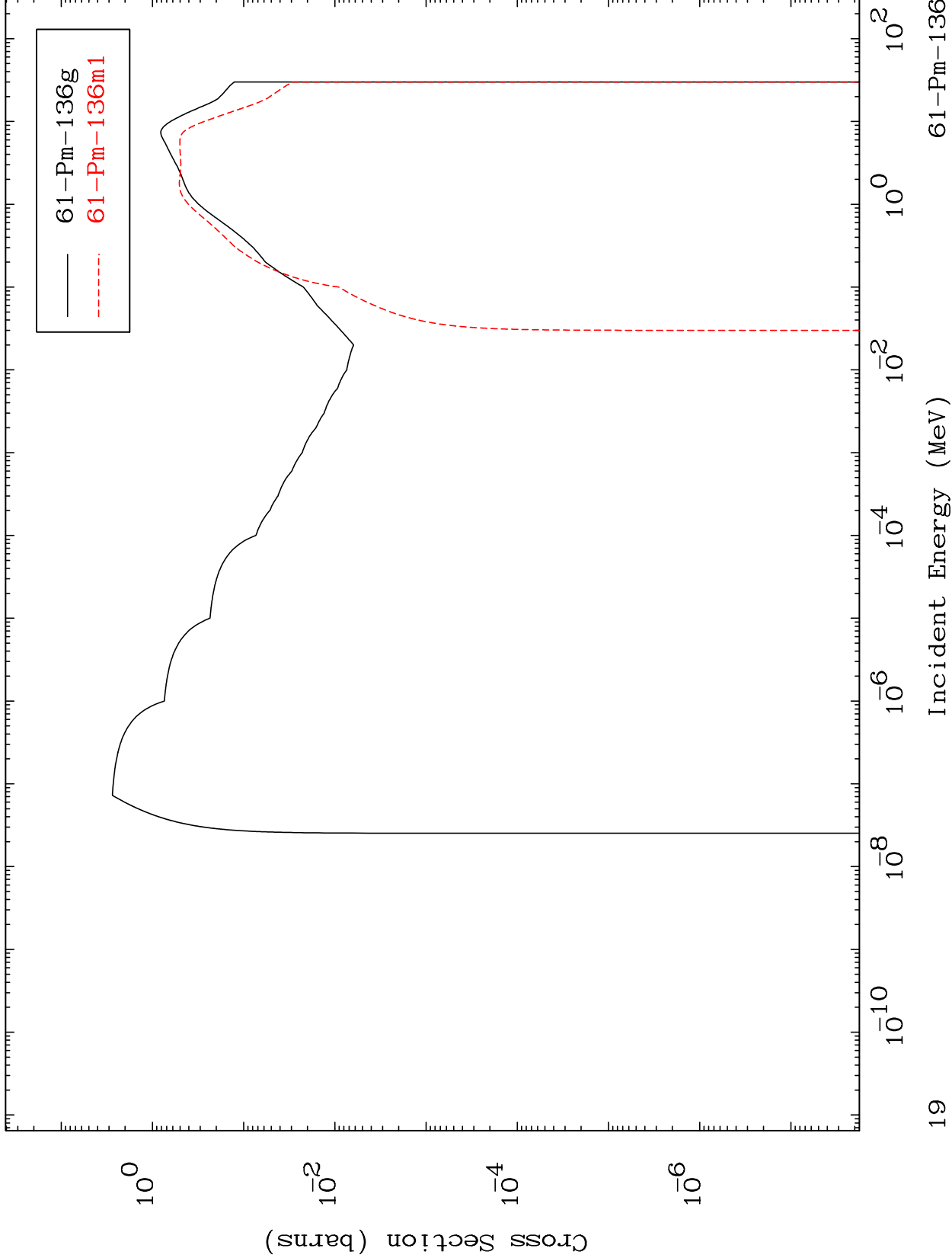
Incident Energy (MeV)

61-Pm-136

MAT 6117

Inelastic
Radionuclide Production Cross Section

61-Pm-136

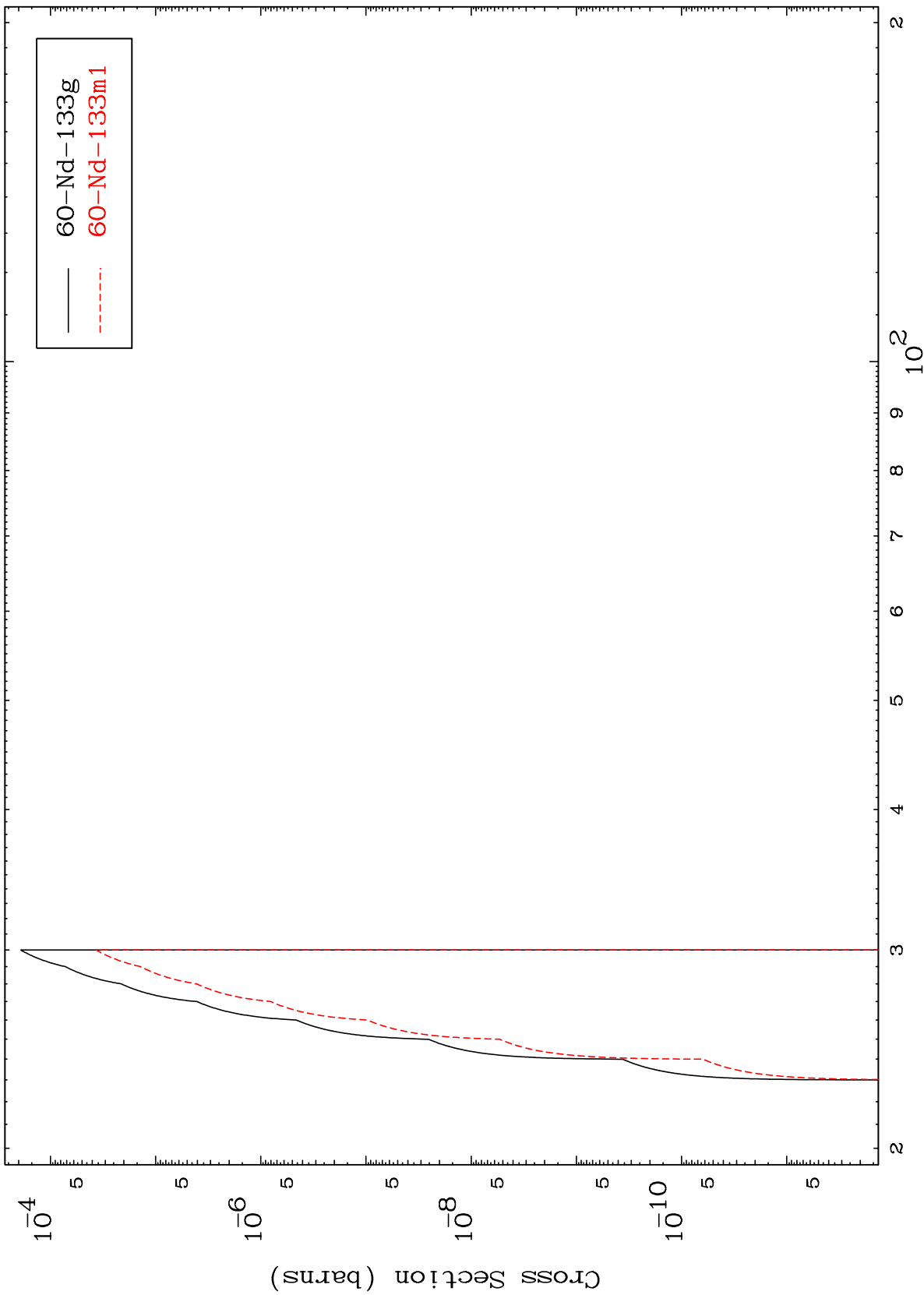


MAT 6117

(n,2n) d

61-Pm-136

Radionuclide Production Cross Section



20

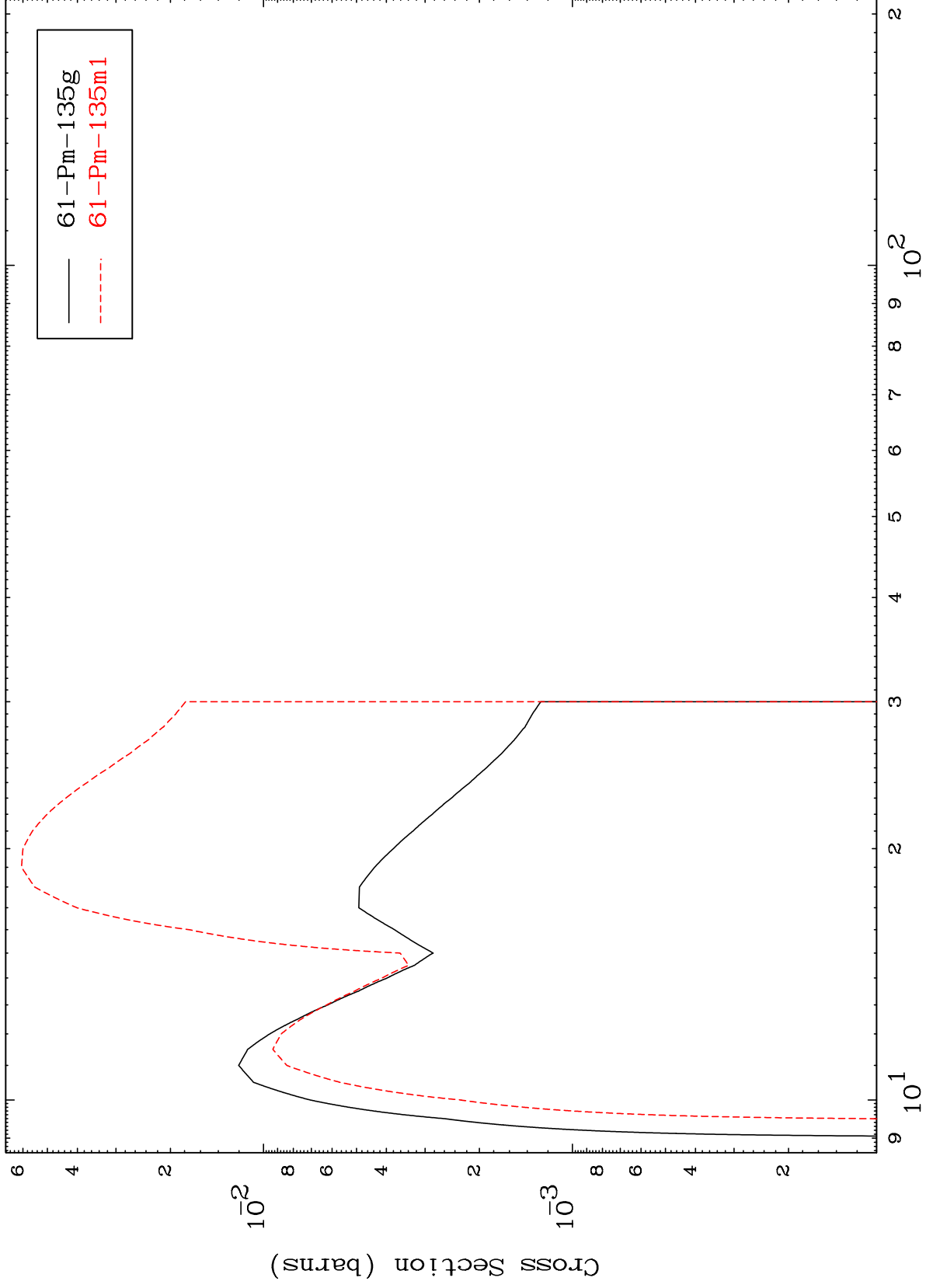
Incident Energy (MeV)

61-Pm-136

MAT 6117

61-Pm-136

(n,2n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

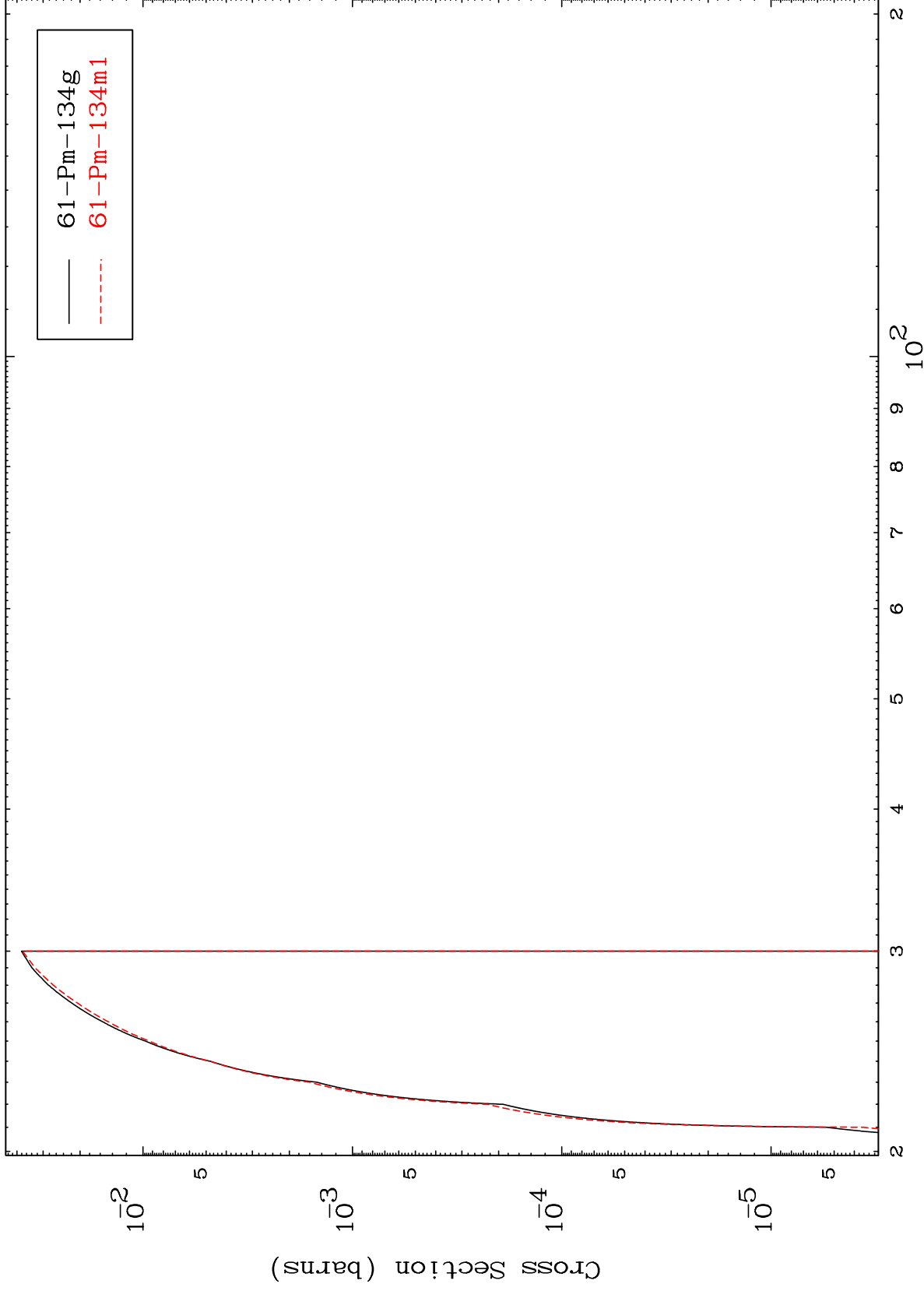
61-Pm-136

MAT 6117

(n,3n)

61-Pm-136

Radionuclide Production Cross Section



22

Incident Energy (MeV)

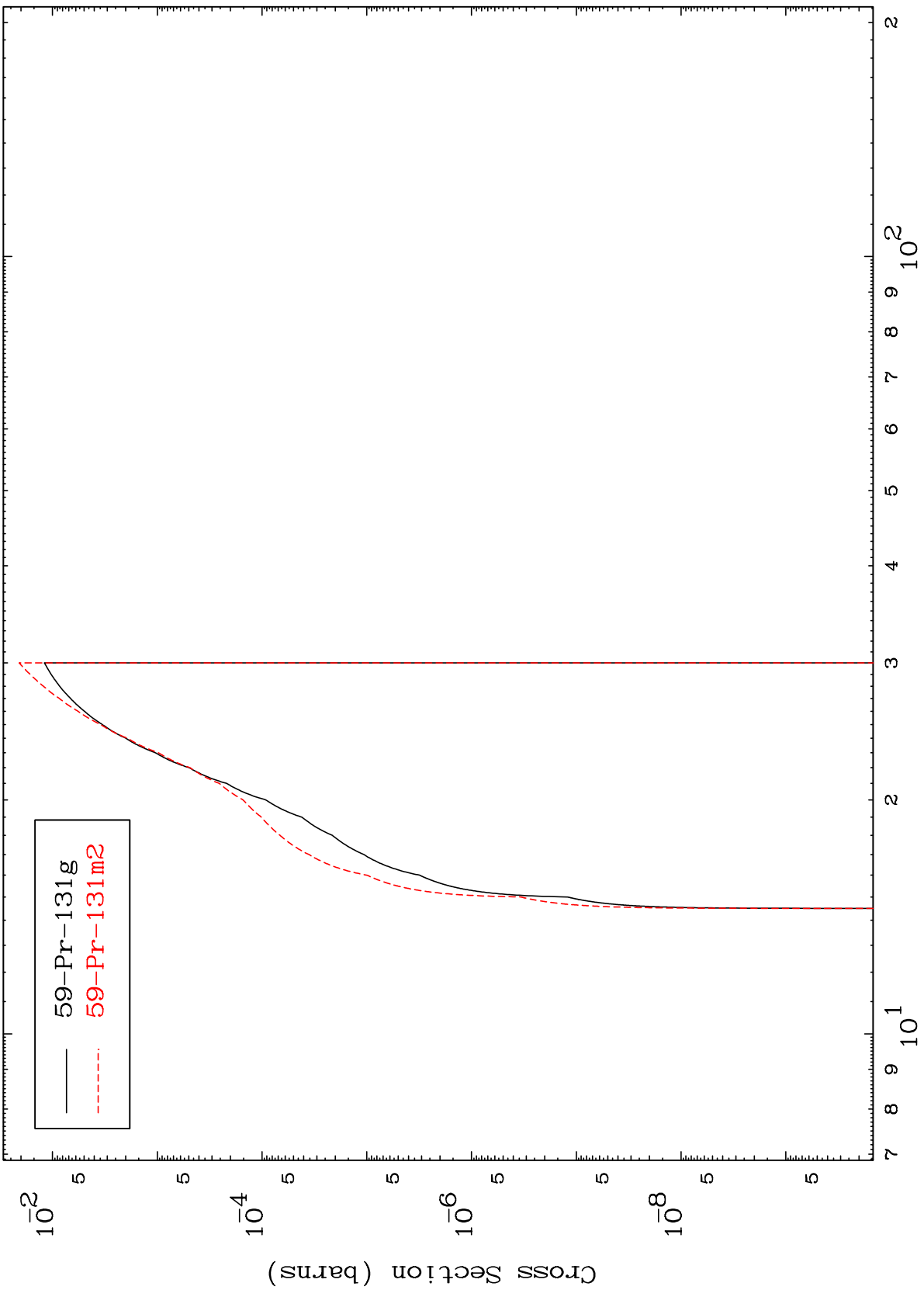
61-Pm-136

MAT 61117

(n,2n) α

61-Pm-136

Radionuclide Production Cross Section



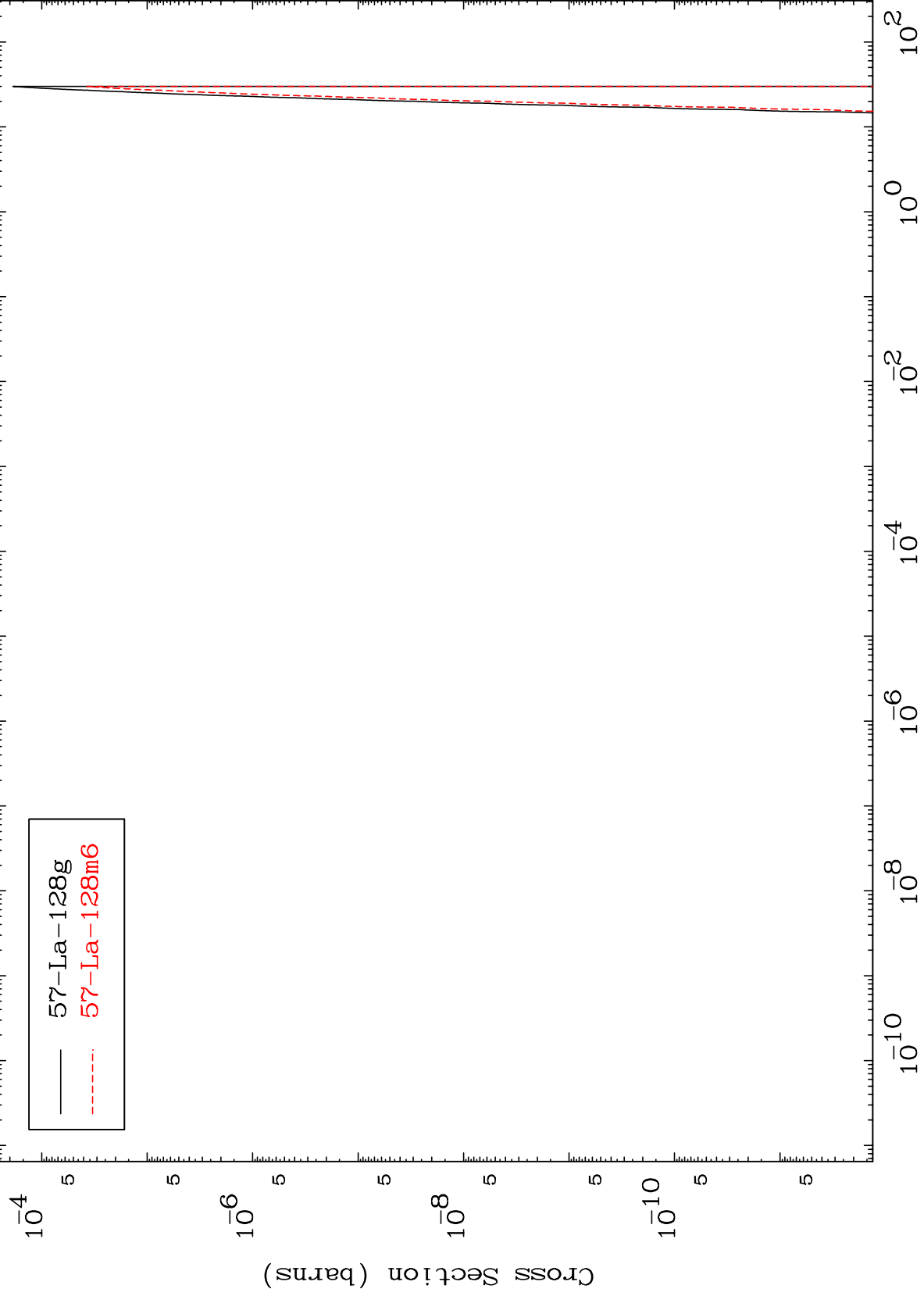
59-Pr-131g
59-Pr-131m2

MAT 61117

(n,n') 2α

61-Pm-136

Radionuclide Production Cross Section



24

Incident Energy (MeV)

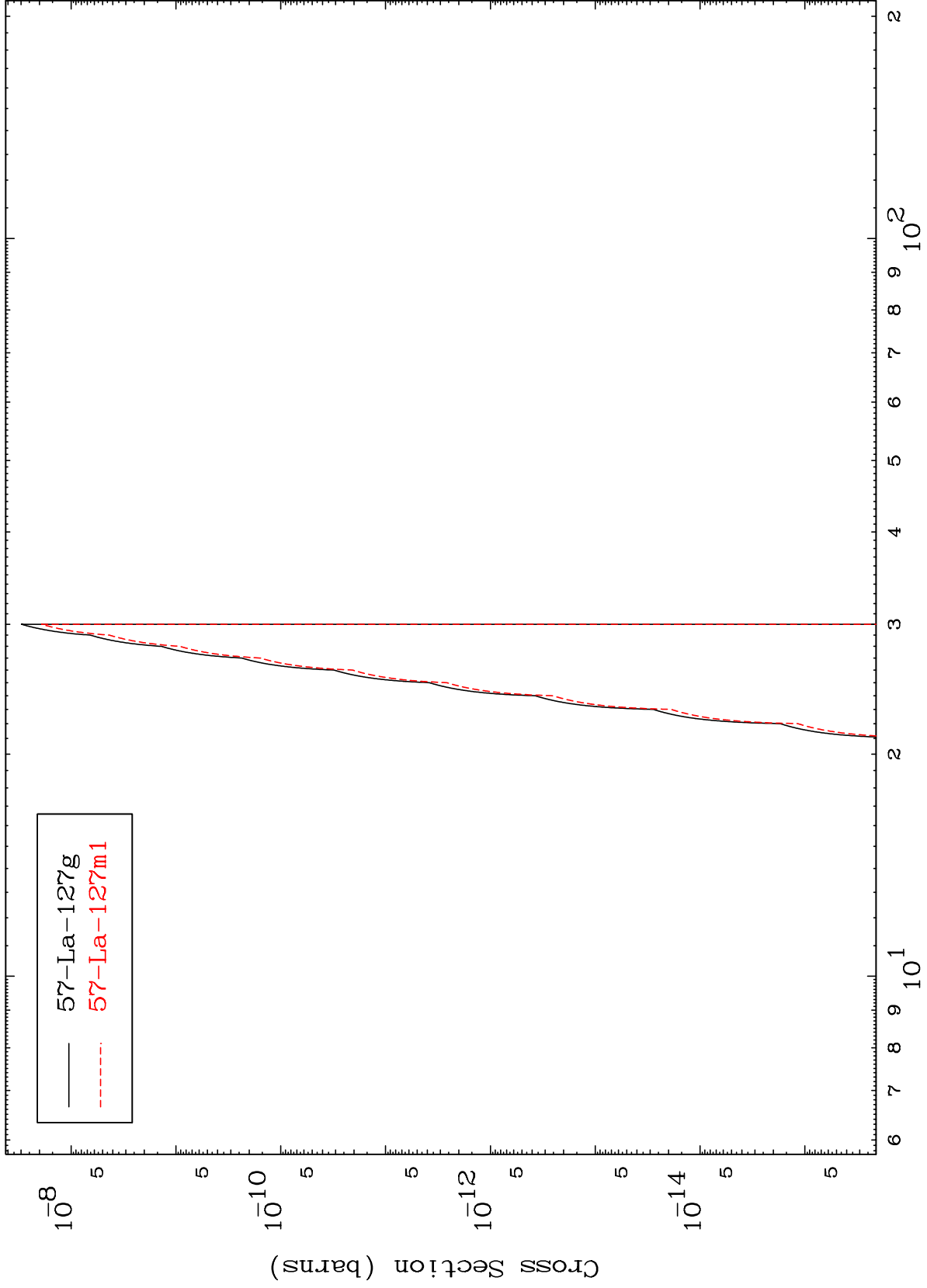
61-Pm-136

MAT 6117

(n,2n) 2α

61-Pm-136

Radionuclide Production Cross Section

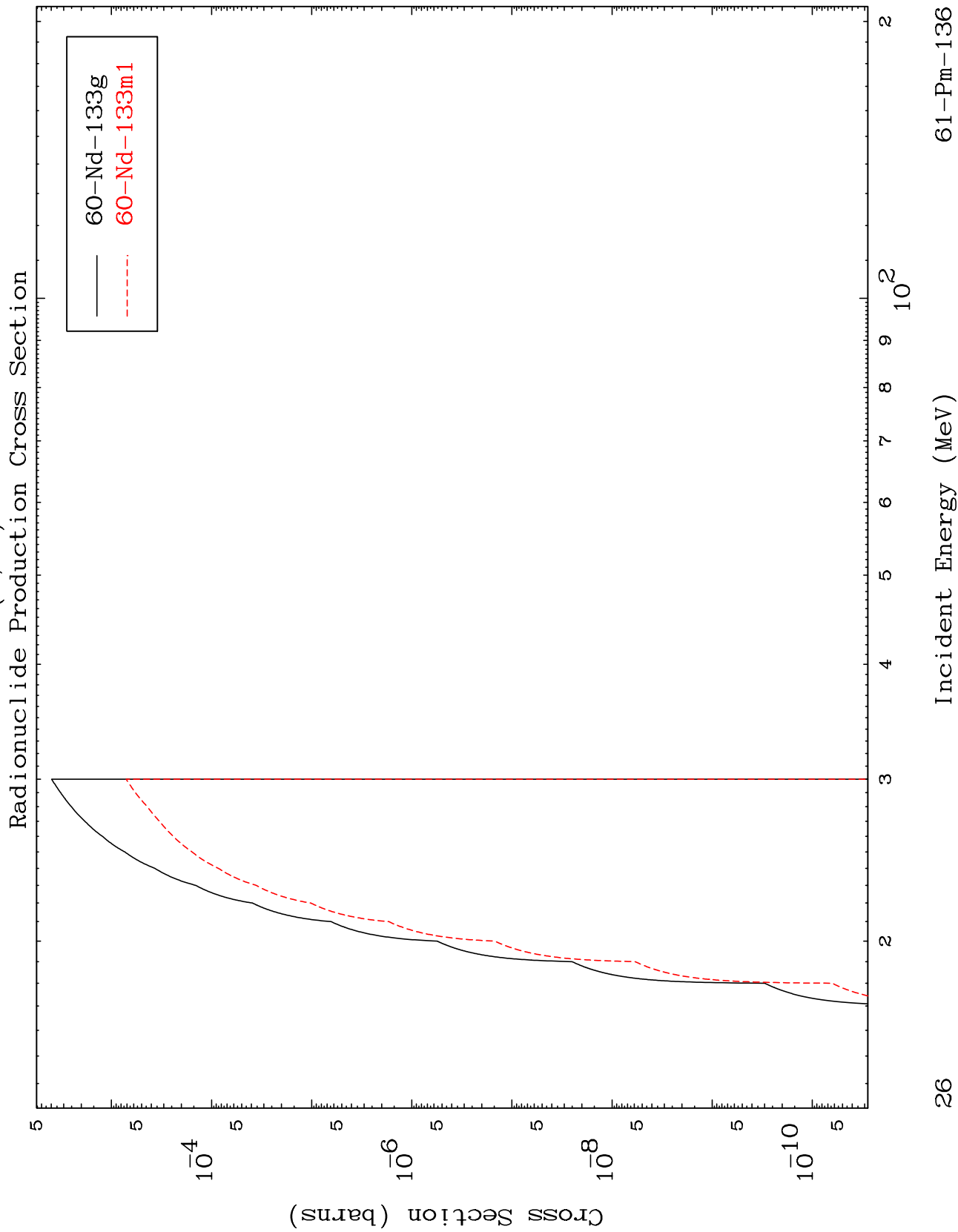


57-La-127g
57-La-127m1

25

Incident Energy (MeV)

61-Pm-136

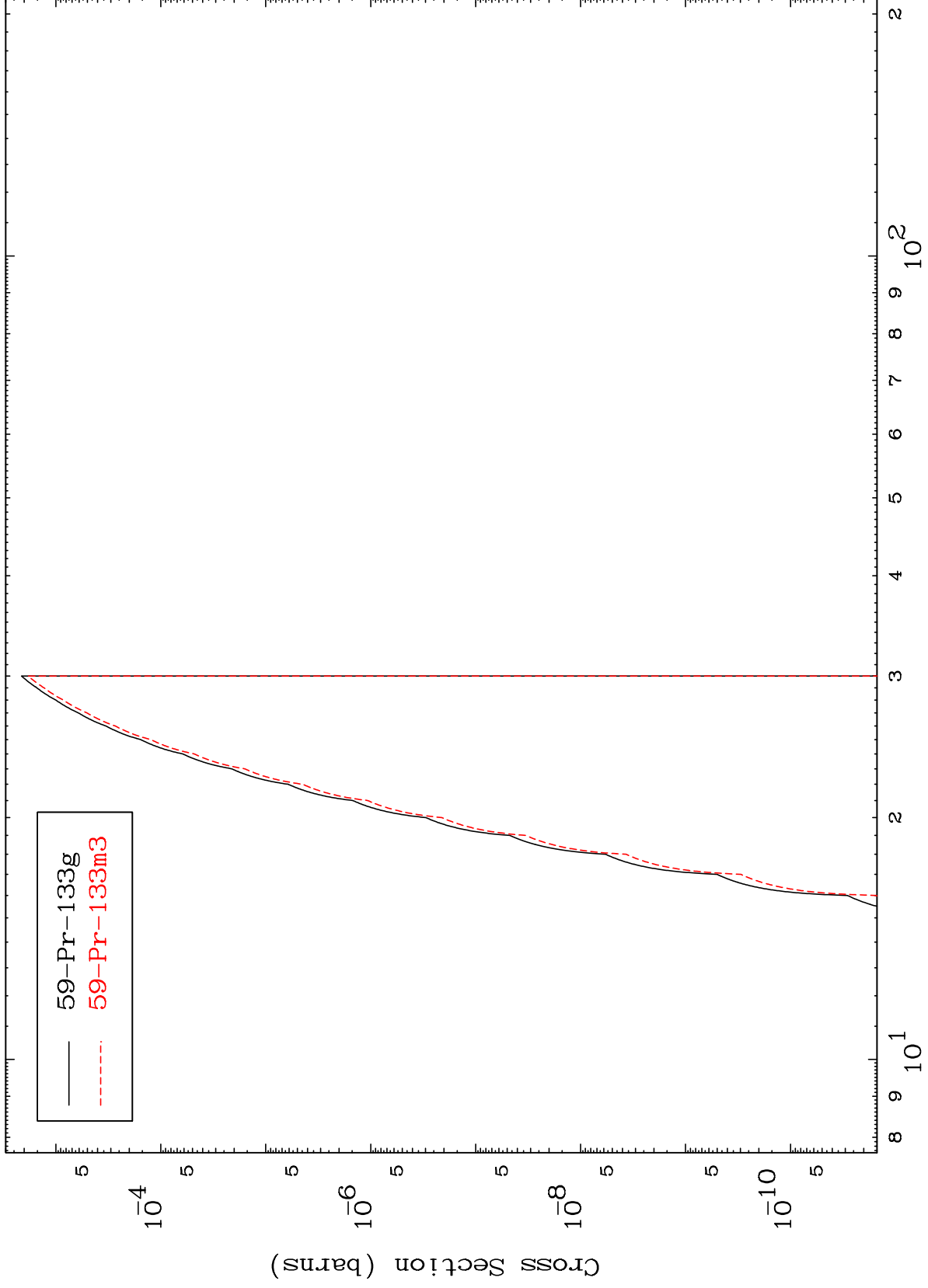


MAT 6117

(n,n') He-3

61-Pm-136

Radionuclide Production Cross Section



27

Incident Energy (MeV)

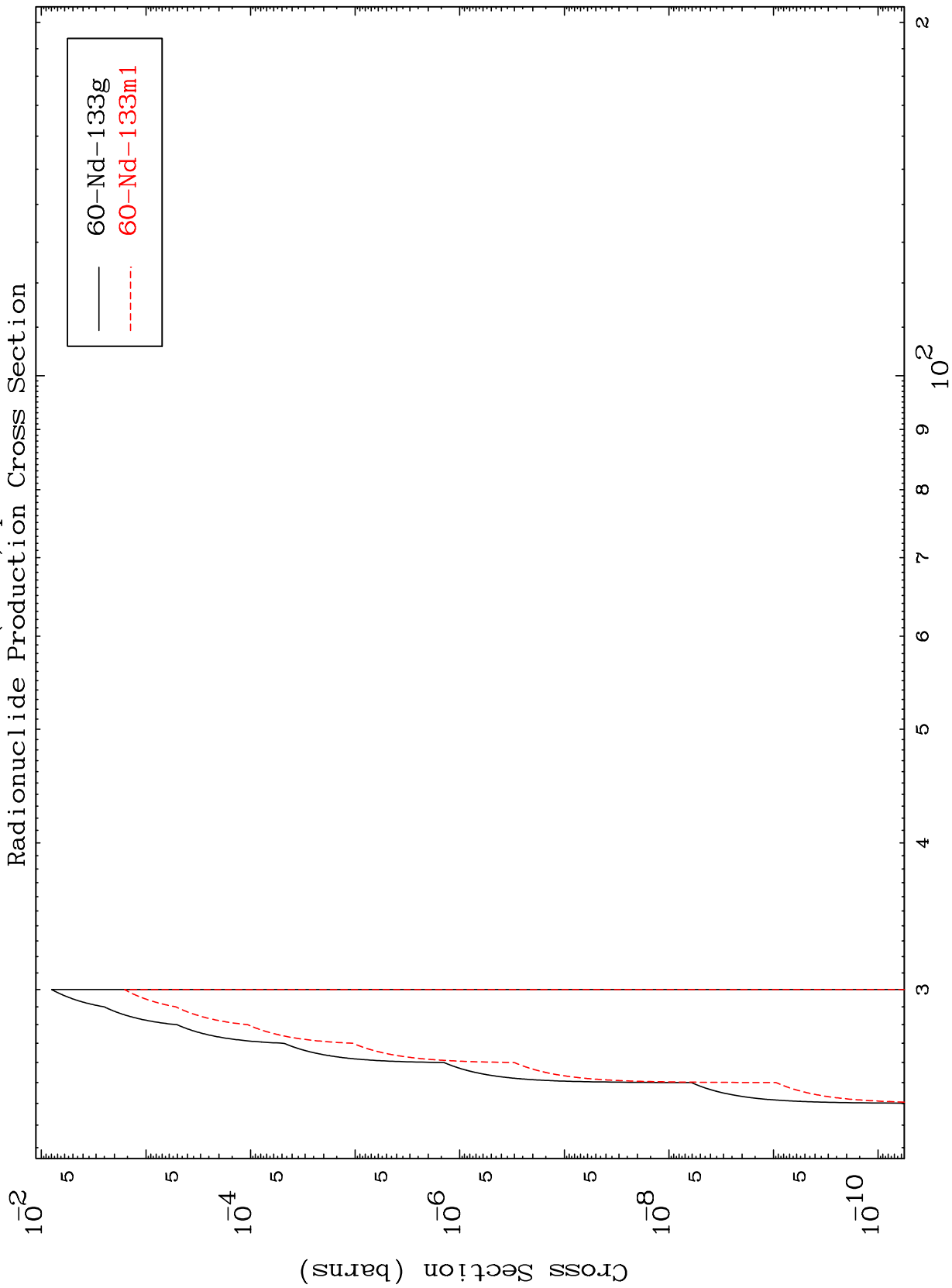
61-Pm-136

MAT 6117

(n,3n) p

61-Pm-136

Radionuclide Production Cross Section



28

Incident Energy (MeV)

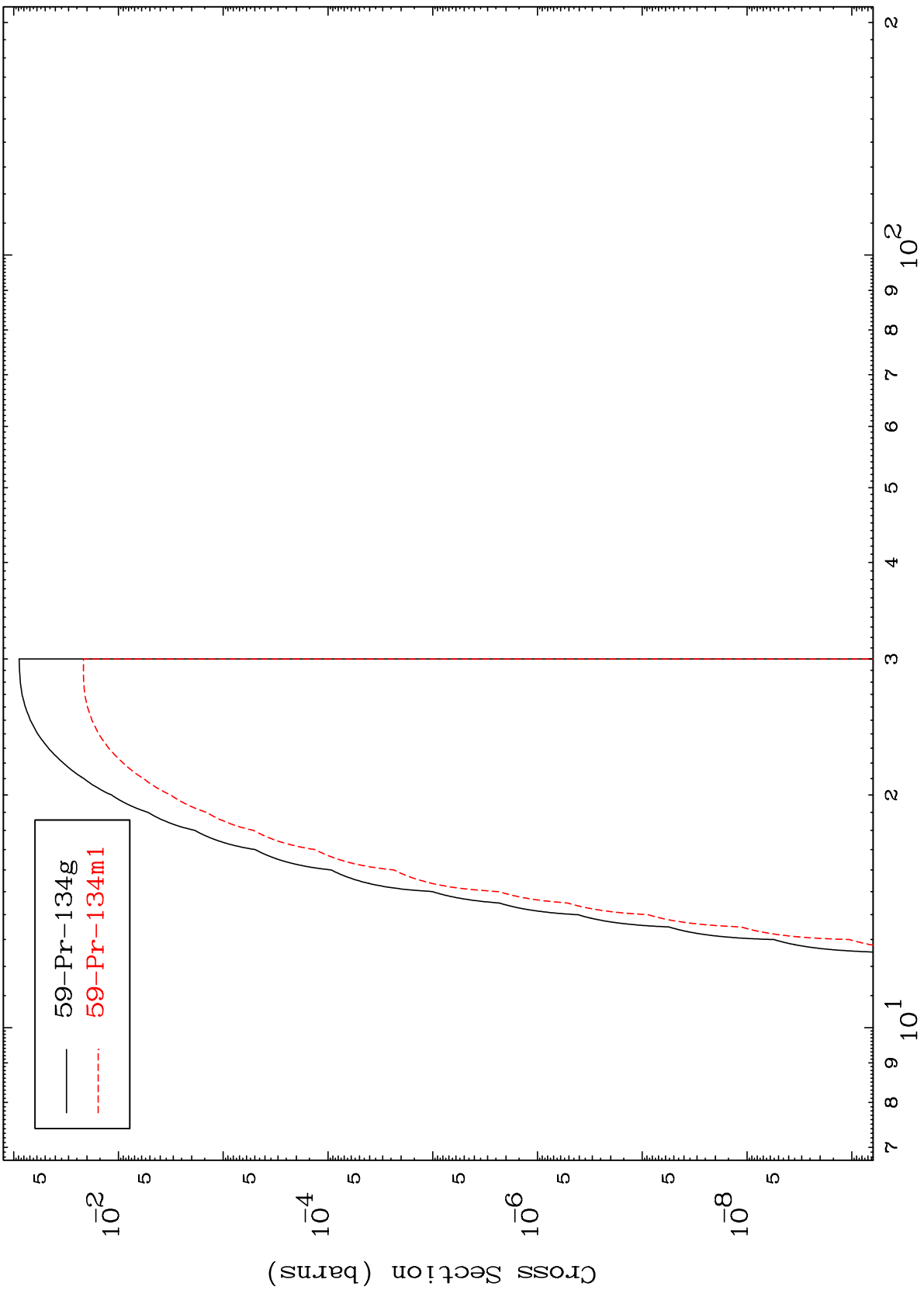
61-Pm-136

MAT 6117

(n,2n) p

61-Pm-136

Radionuclide Production Cross Section



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

29

Incident Energy (MeV)

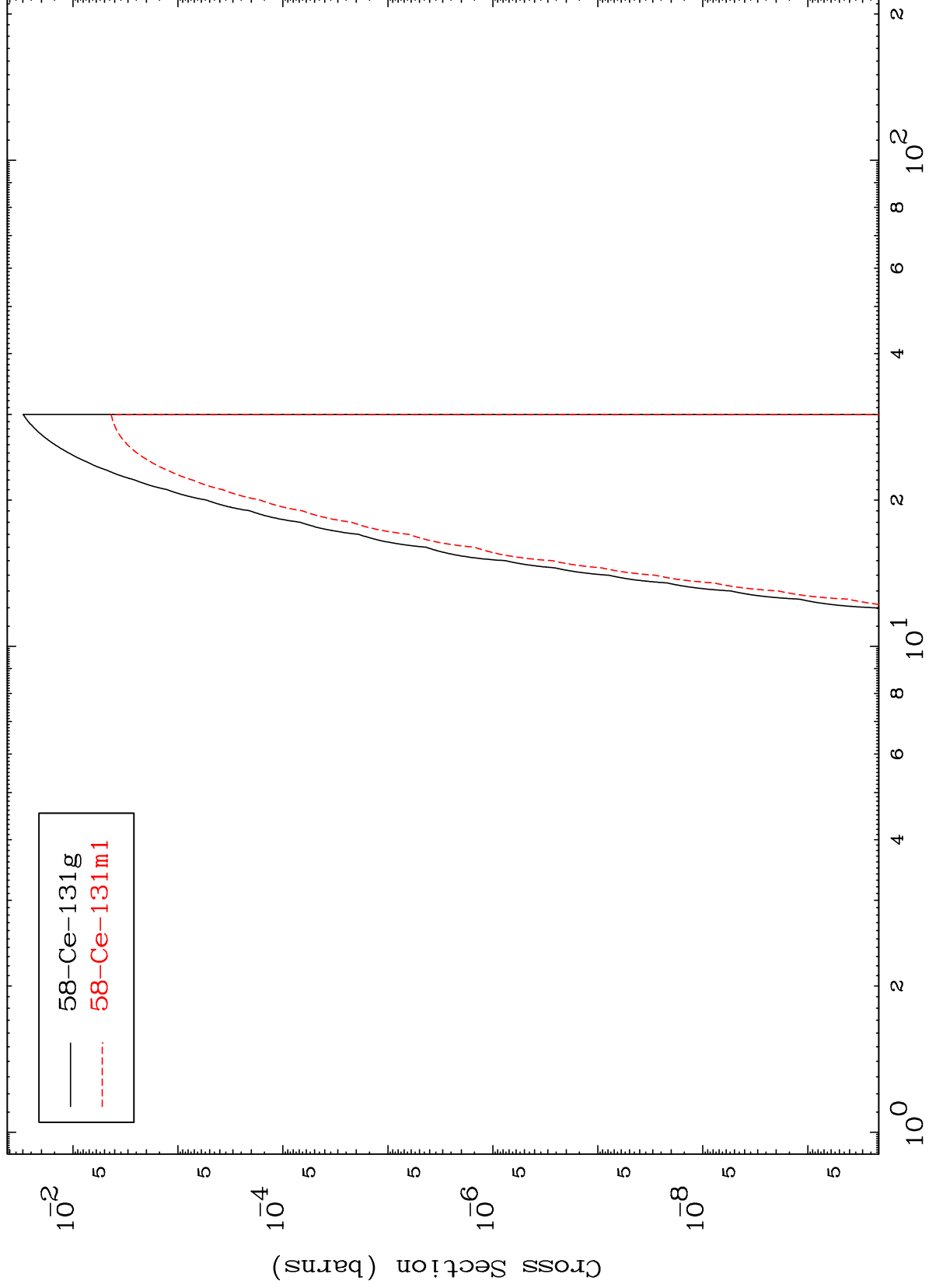
61-Pm-136

MAT 6117

(n,n') p α

61-Pm-136

Radionuclide Production Cross Section



Incident Energy (MeV)

61-Pm-136

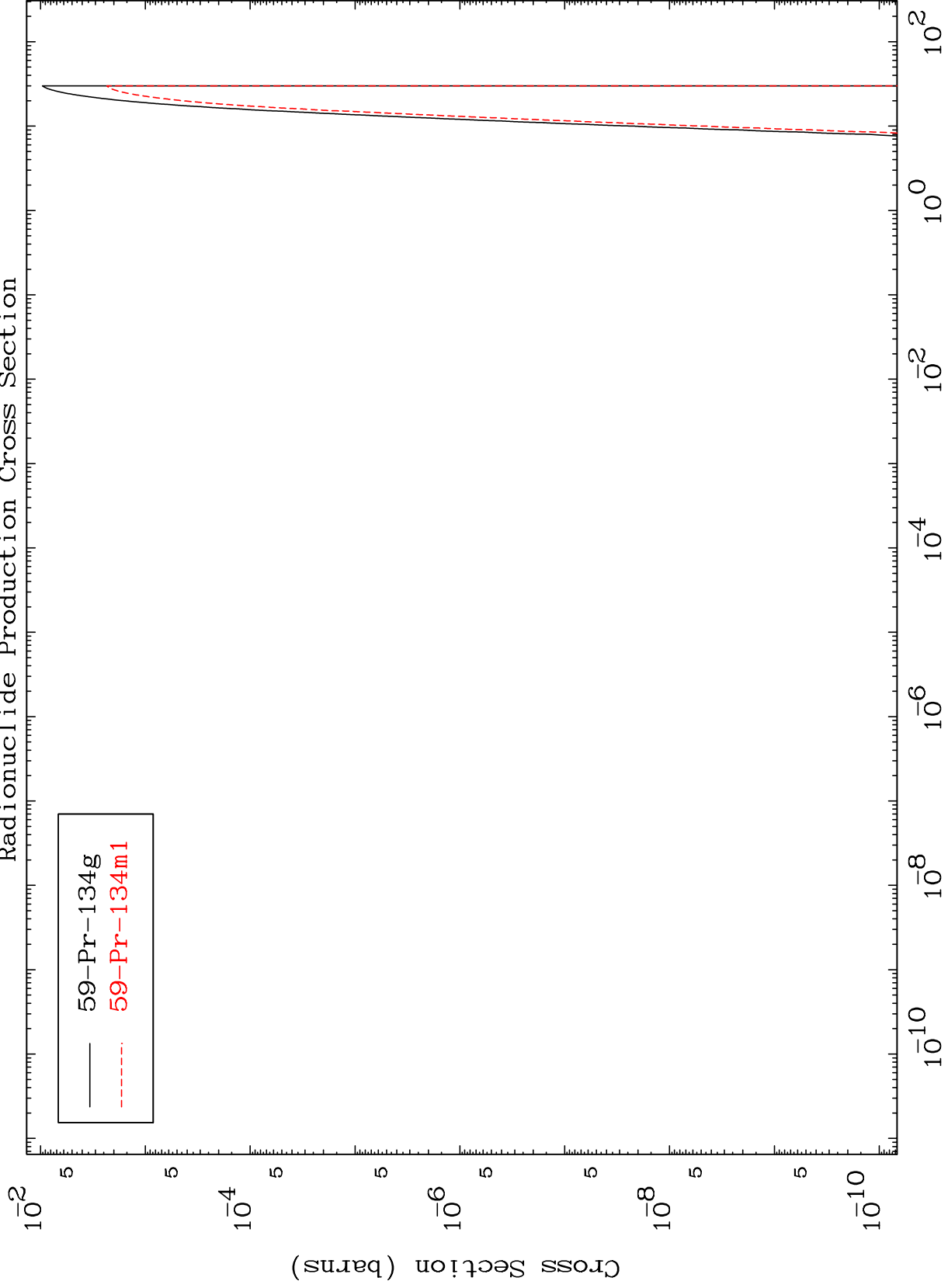
30

MAT 6117

(n,He-3)

61-Pm-136

Radionuclide Production Cross Section



31

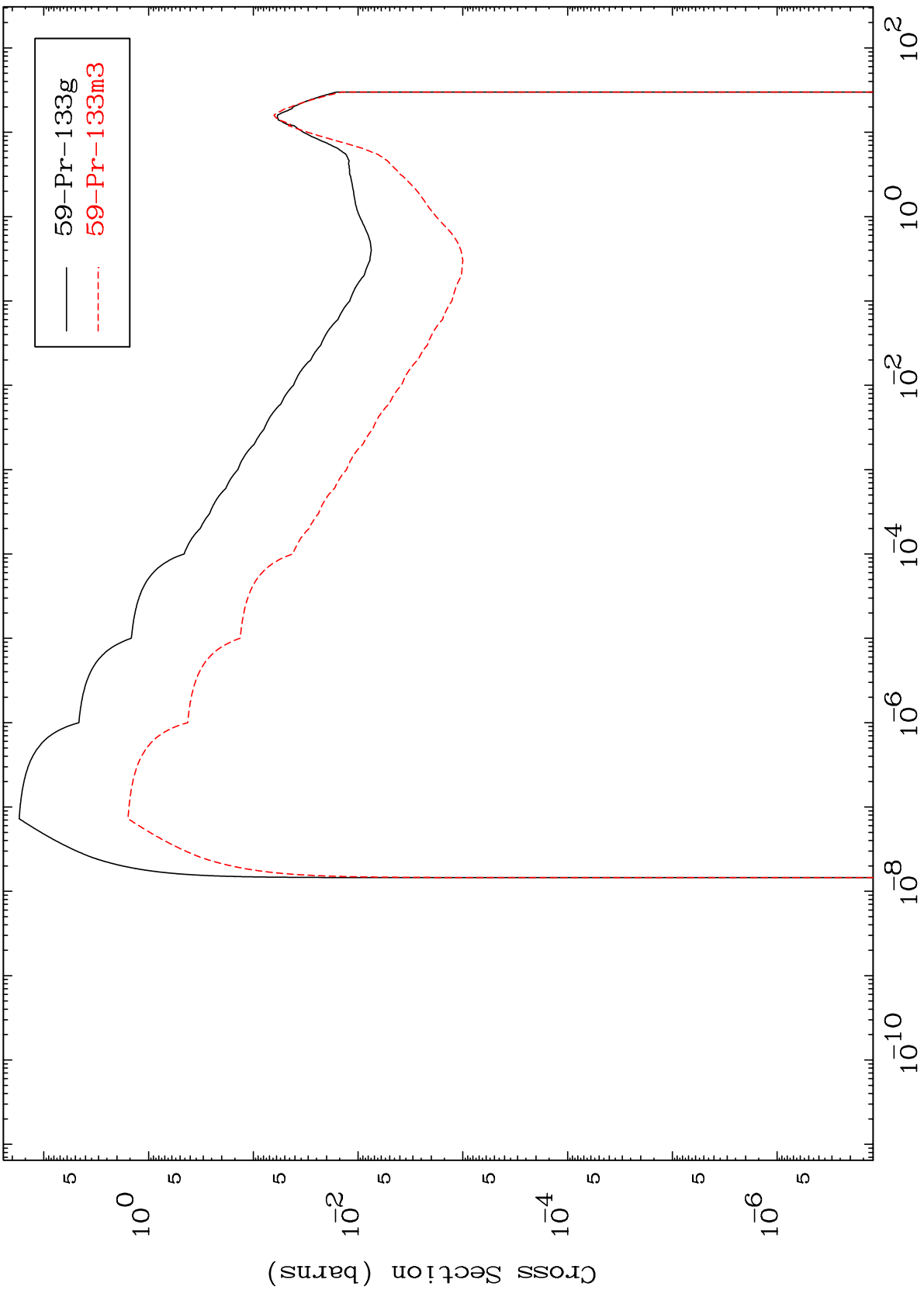
Incident Energy (MeV)

61-Pm-136

MAT 6117

61-Pm-136

(n,α)
Radionuclide Production Cross Section



32

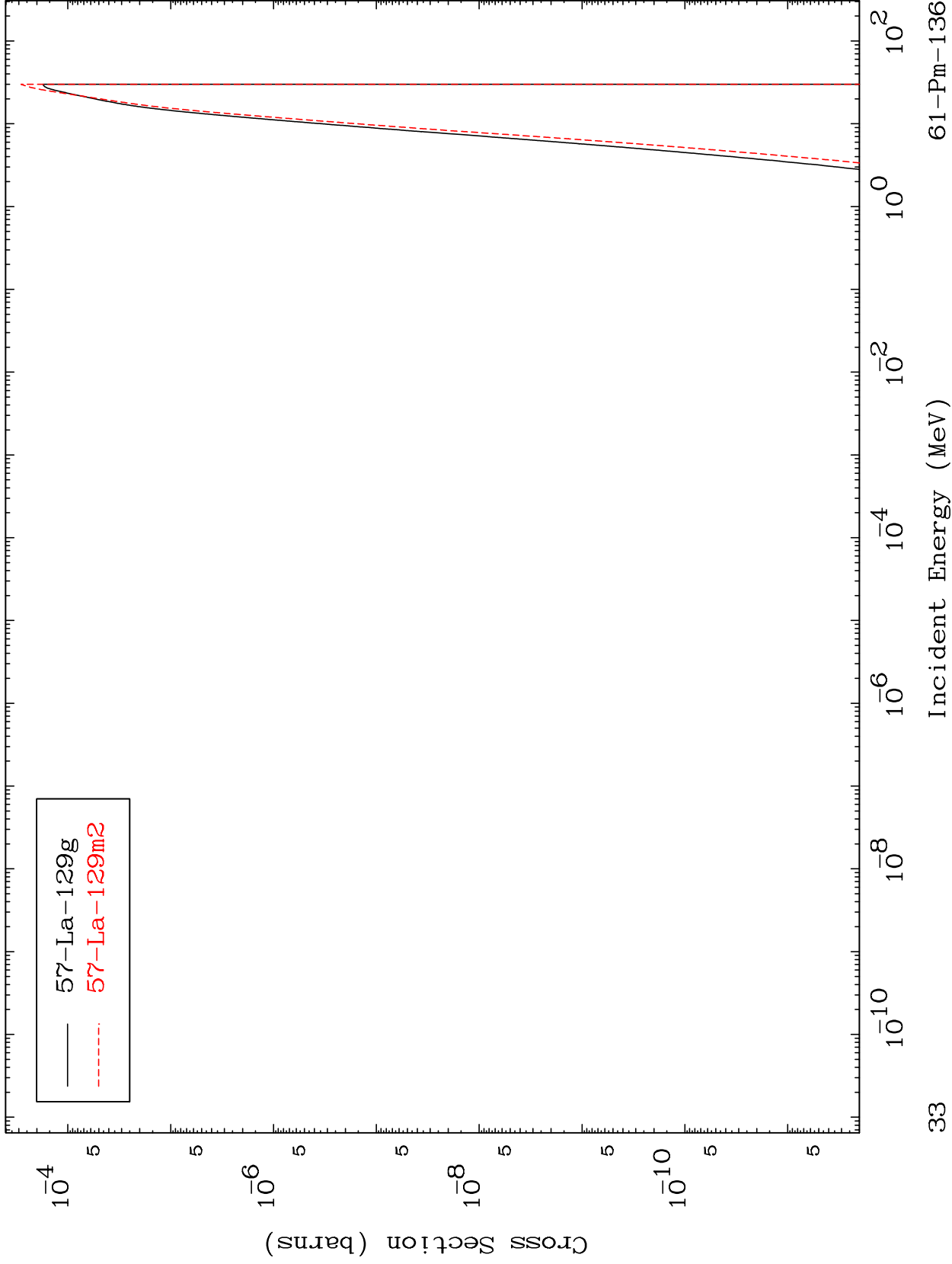
61-Pm-136

MAT 61117

(n,2α)

61-Pm-136

Radionuclide Production Cross Section

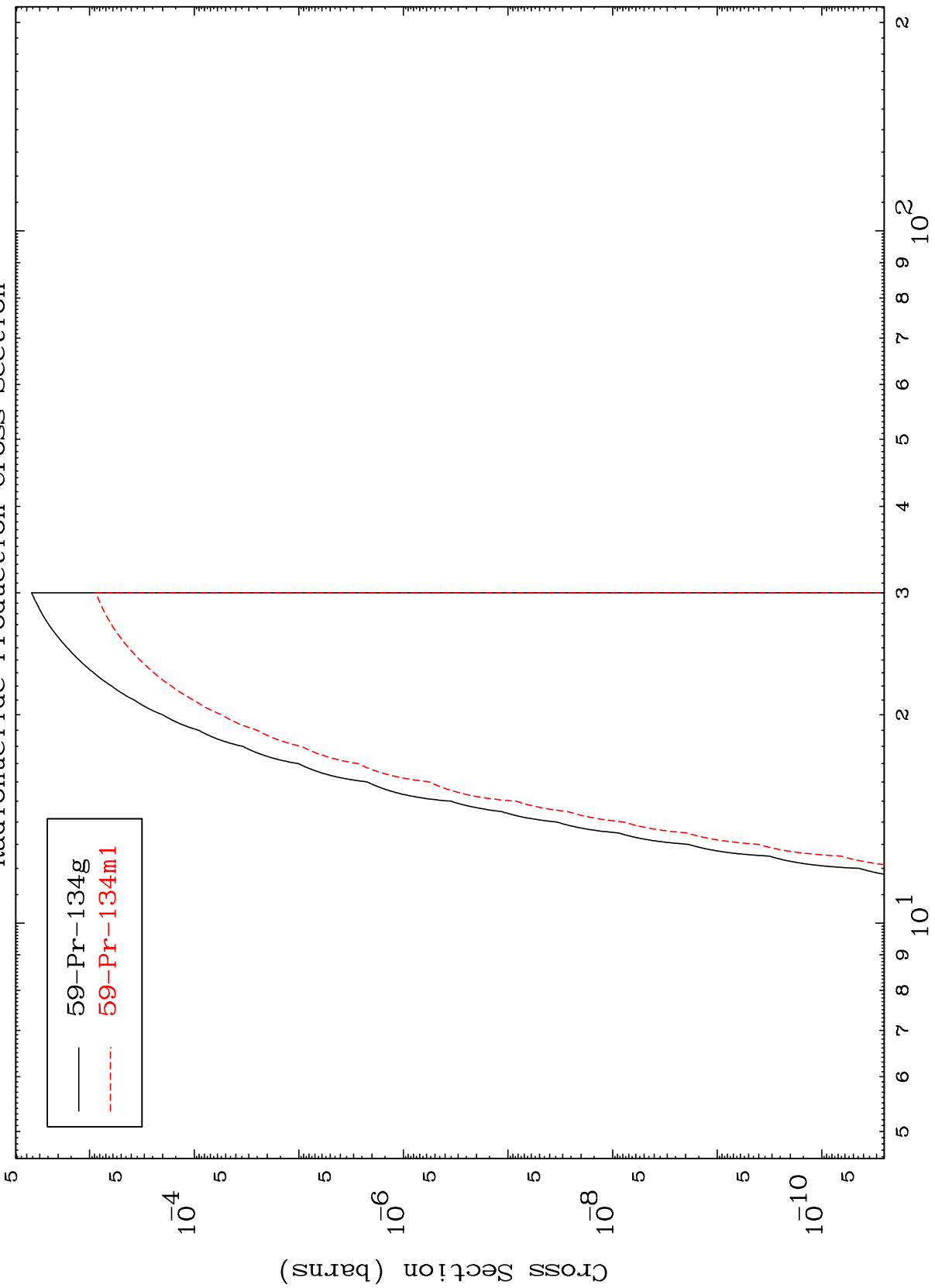


MAT 6117

(n,p) d

61-Pm-136

Radionuclide Production Cross Section



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

34

Incident Energy (MeV)

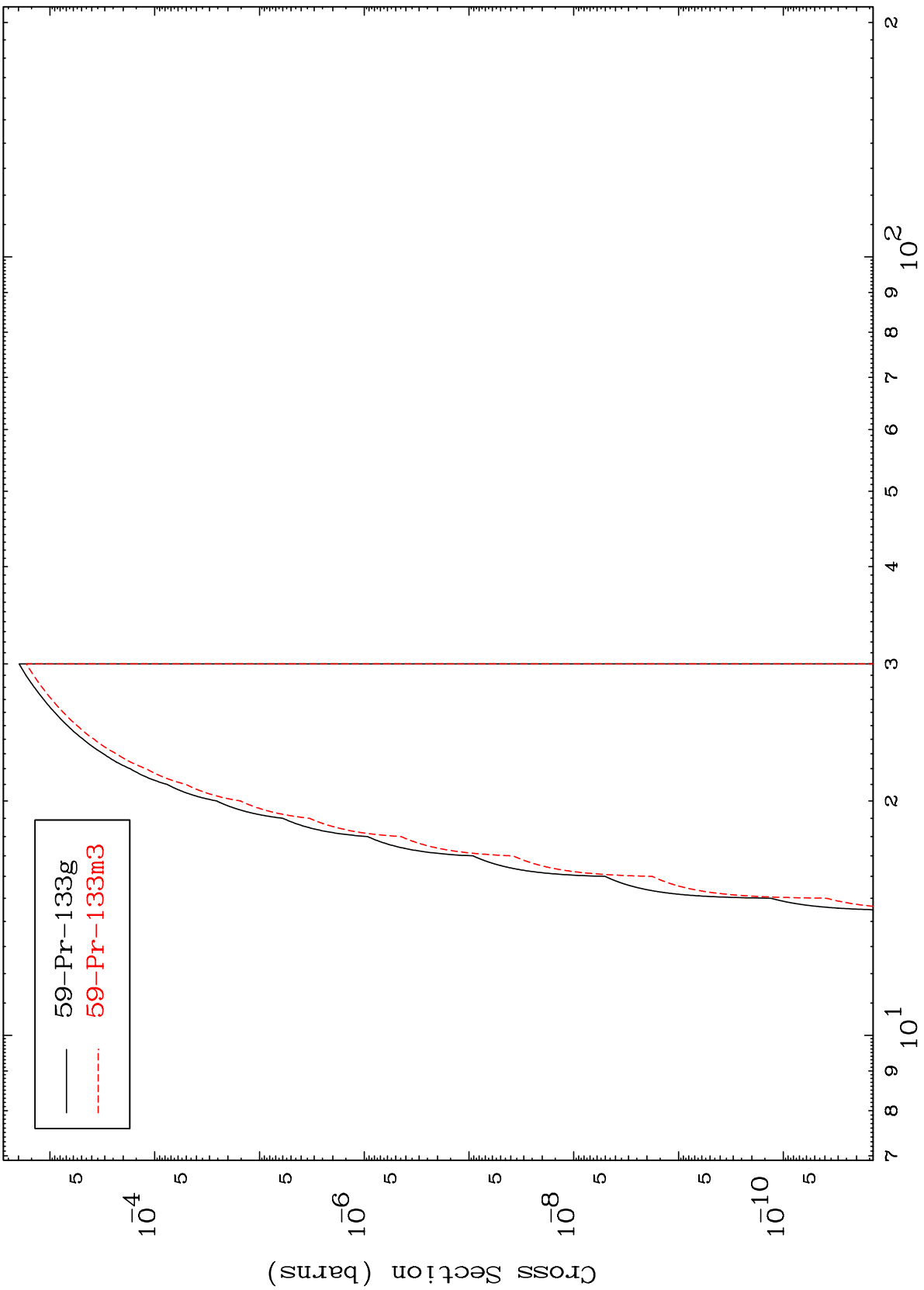
61-Pm-136

MAT 6117

(n,p) t

61-Pm-136

Radionuclide Production Cross Section



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

35

Incident Energy (MeV)

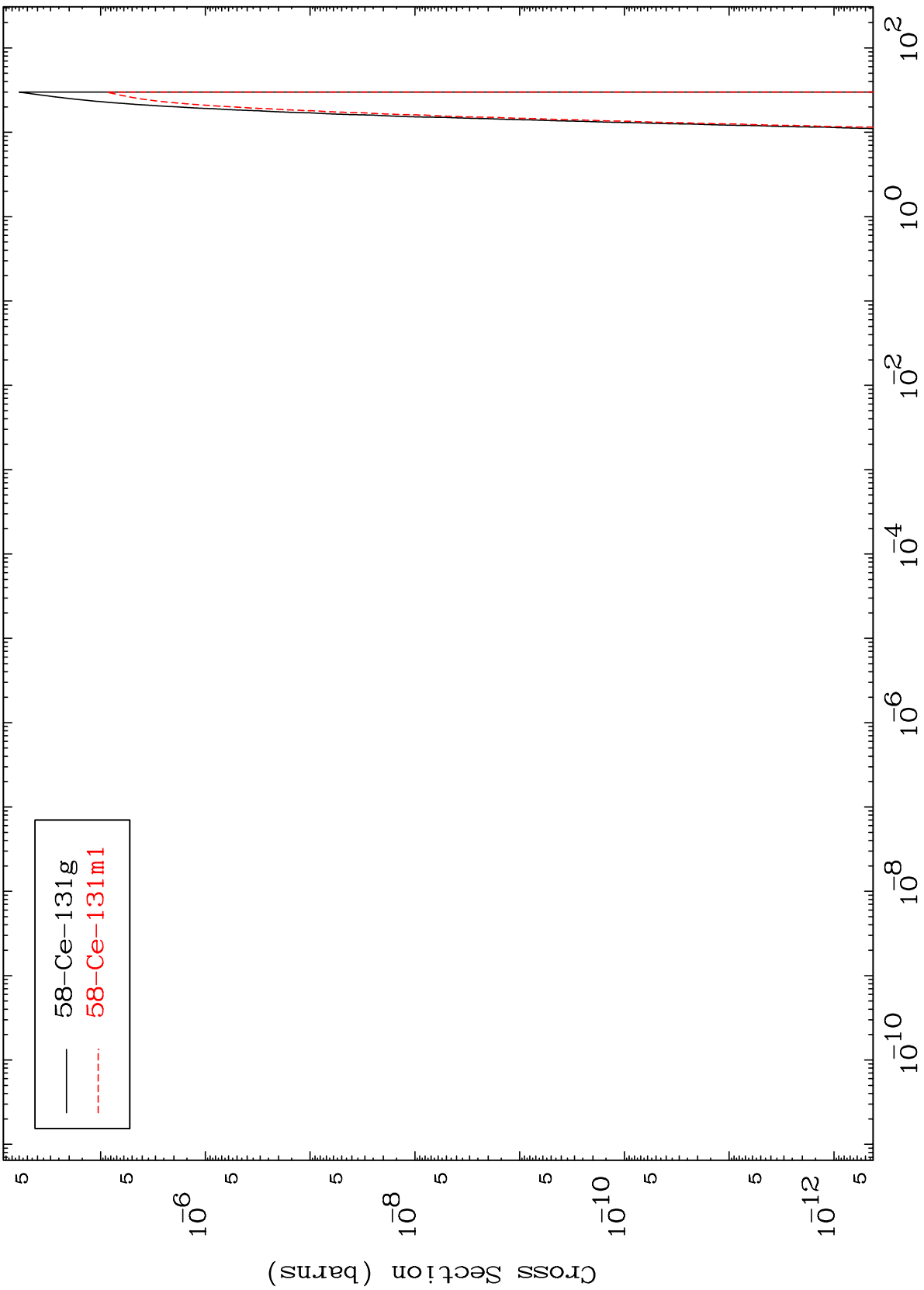
61-Pm-136

MAT 6117

(n,d) α

61-Pm-136

Radionuclide Production Cross Section



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

Incident Energy (MeV)

61-Pm-136

36