

Program EVALPLOT
(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

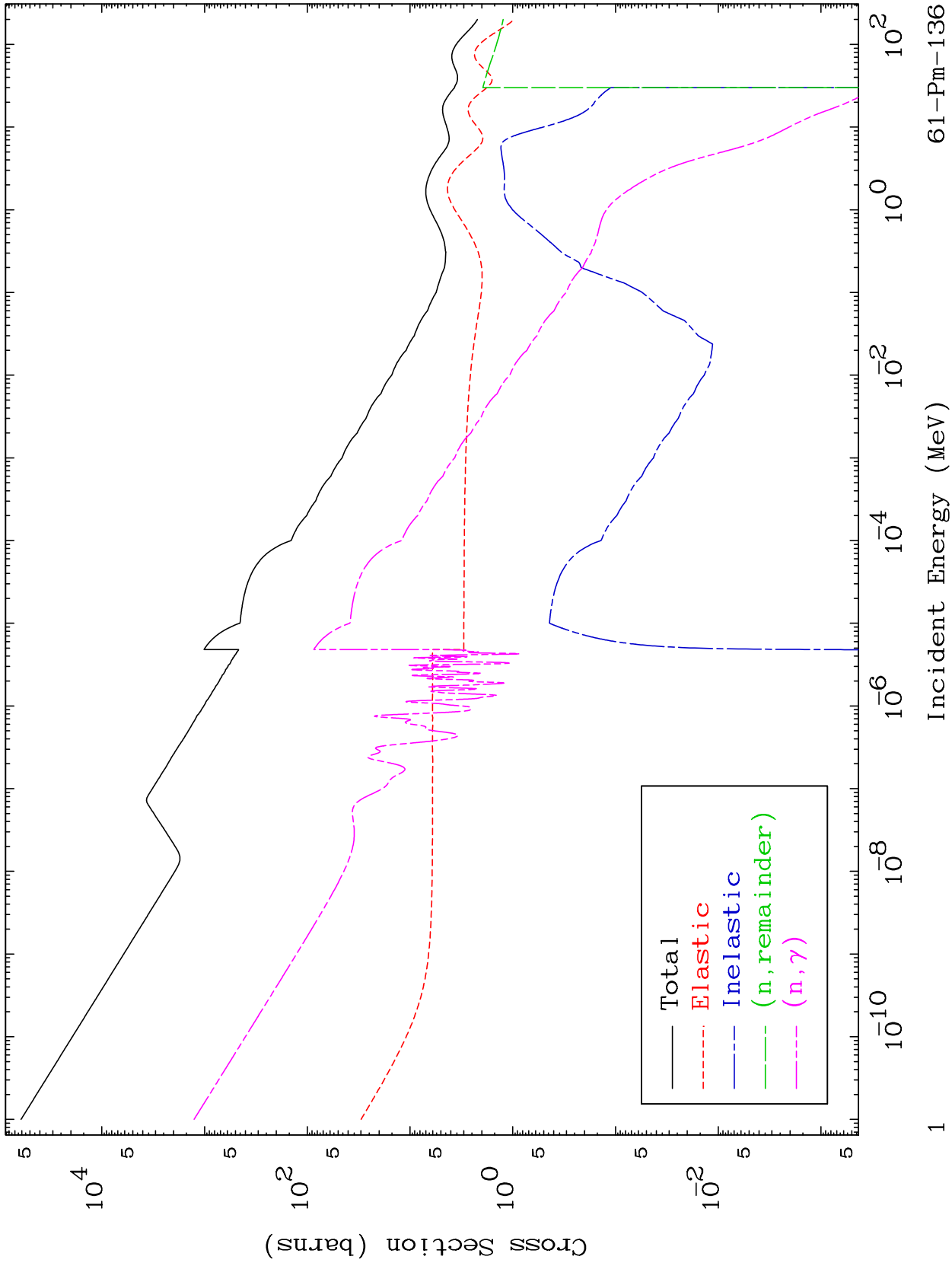
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6117

Major
293 Kelvin Cross Sections

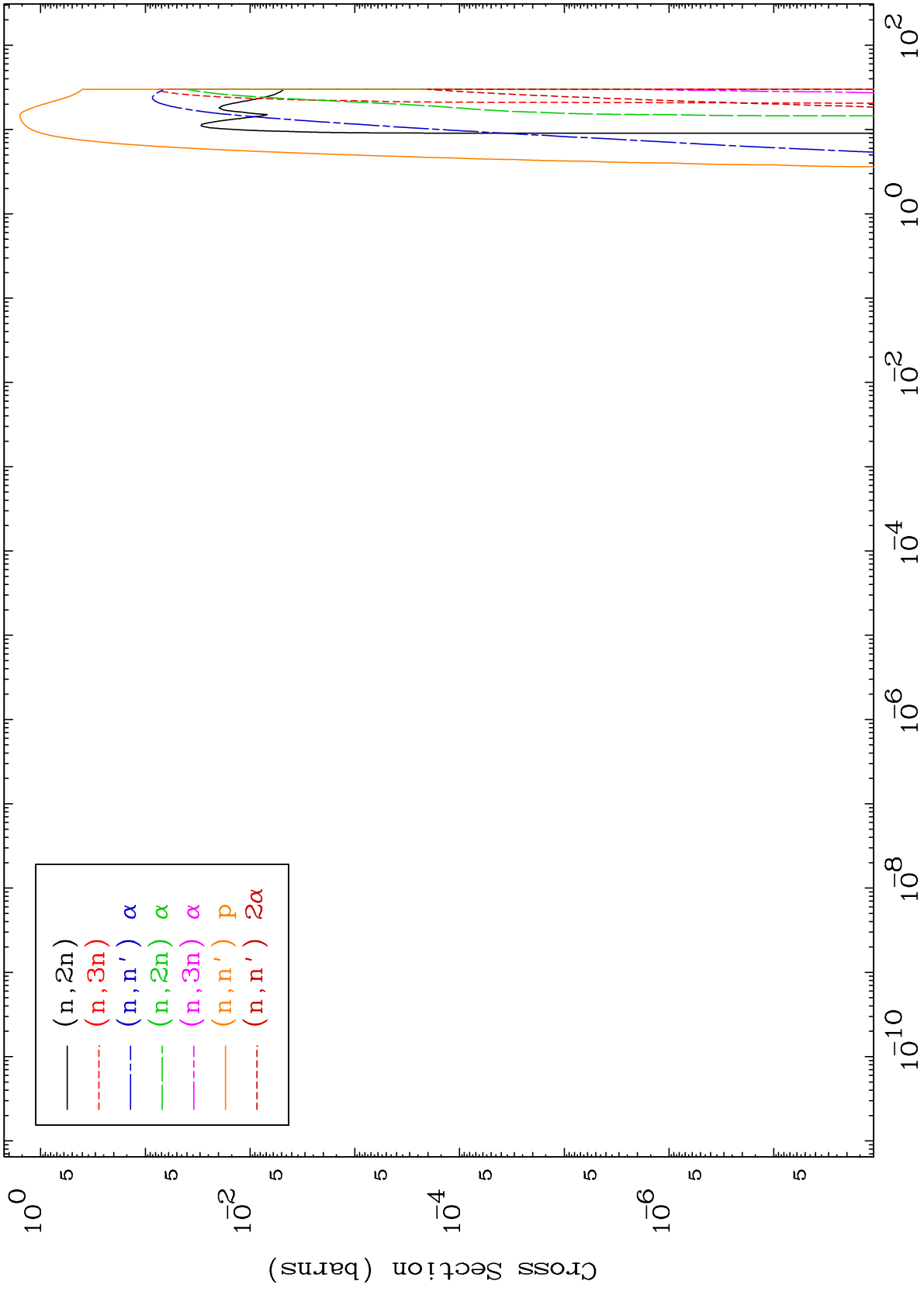
61-Pm-136



MAT 6117

Neutron Production
293 Kelvin Cross Sections

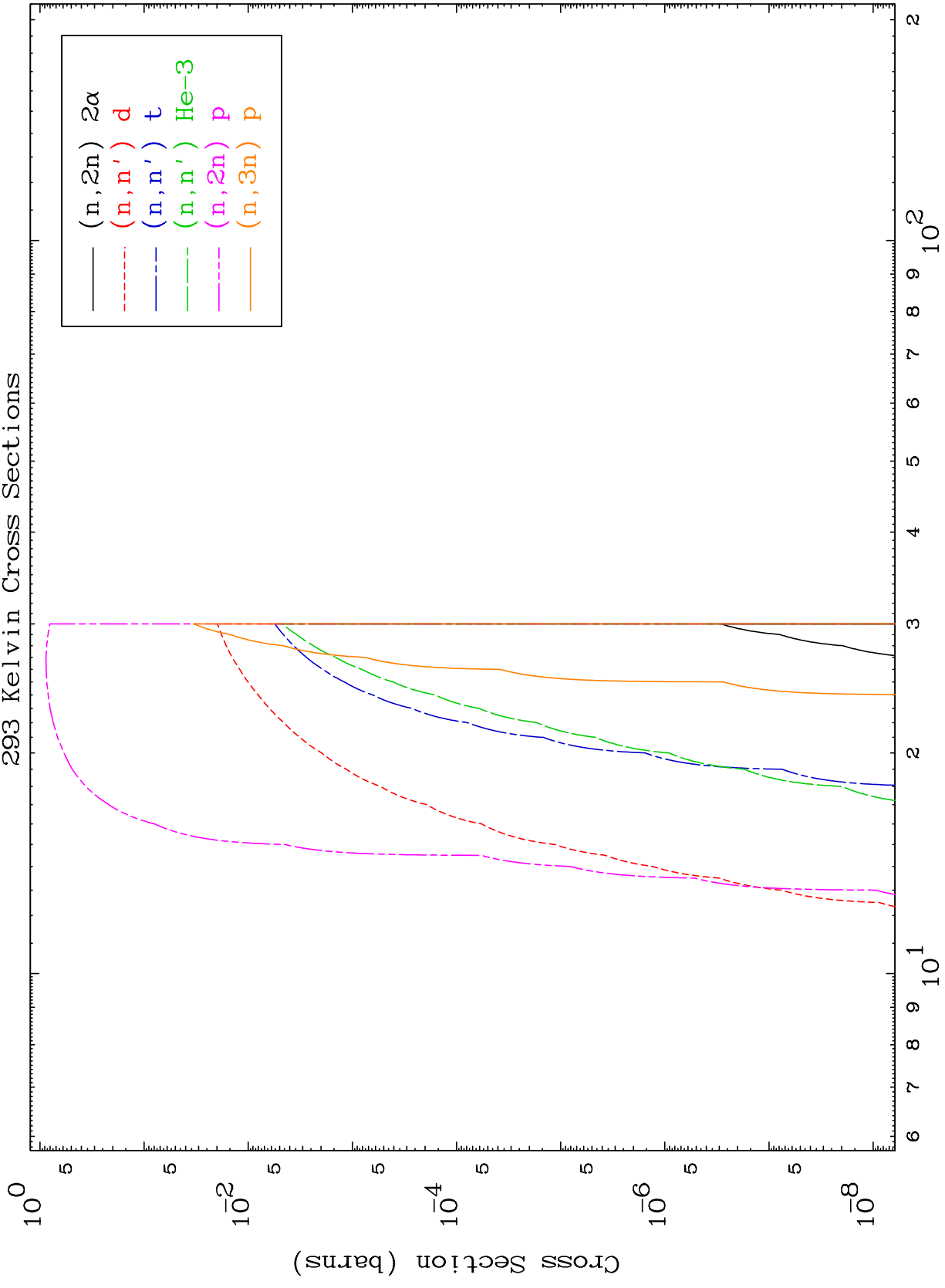
61-Pm-136



2

Incident Energy (MeV)

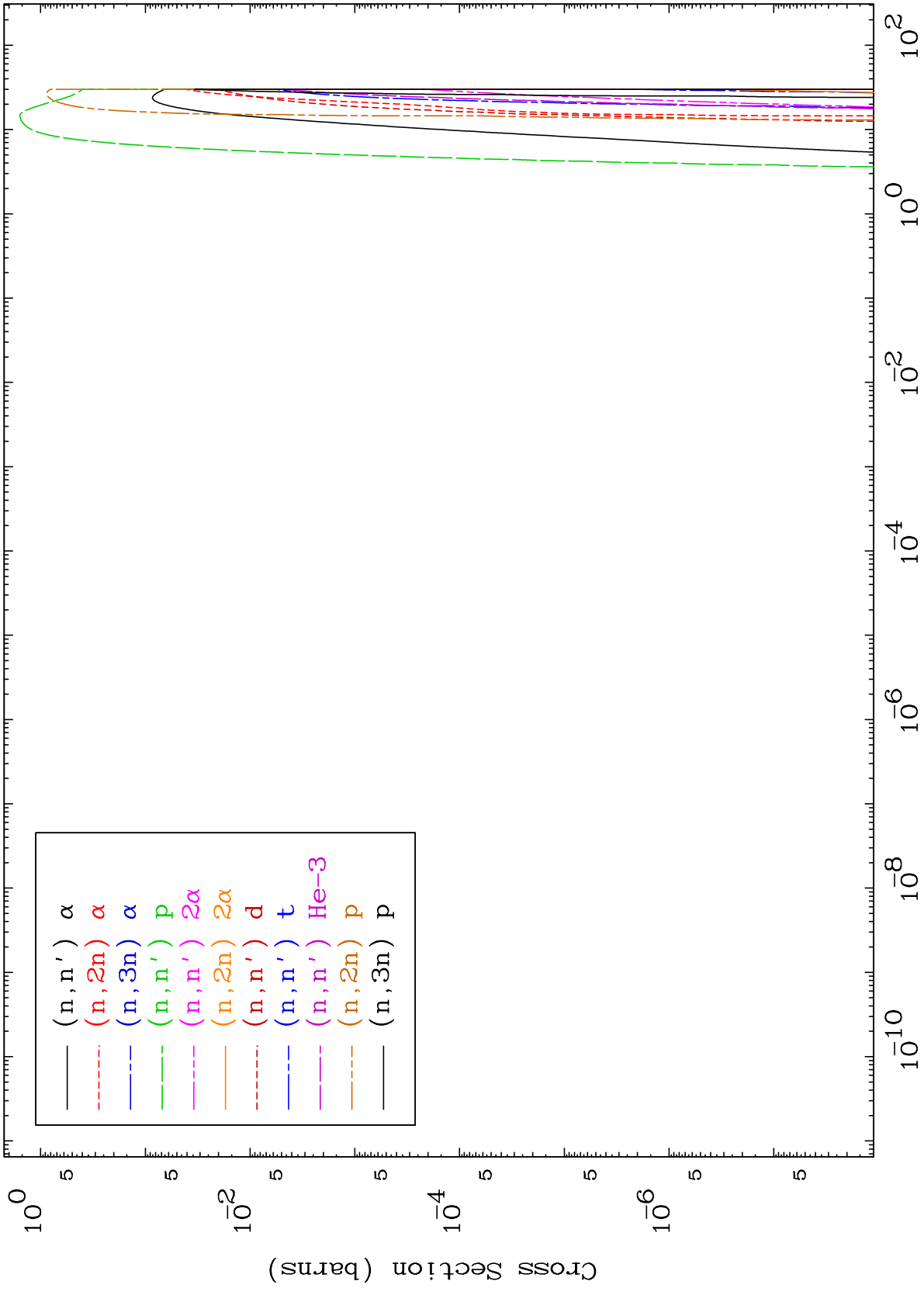
61-Pm-136



MAT 6117

Charged Particle
293 Kelvin Cross Sections

61-Pm-136



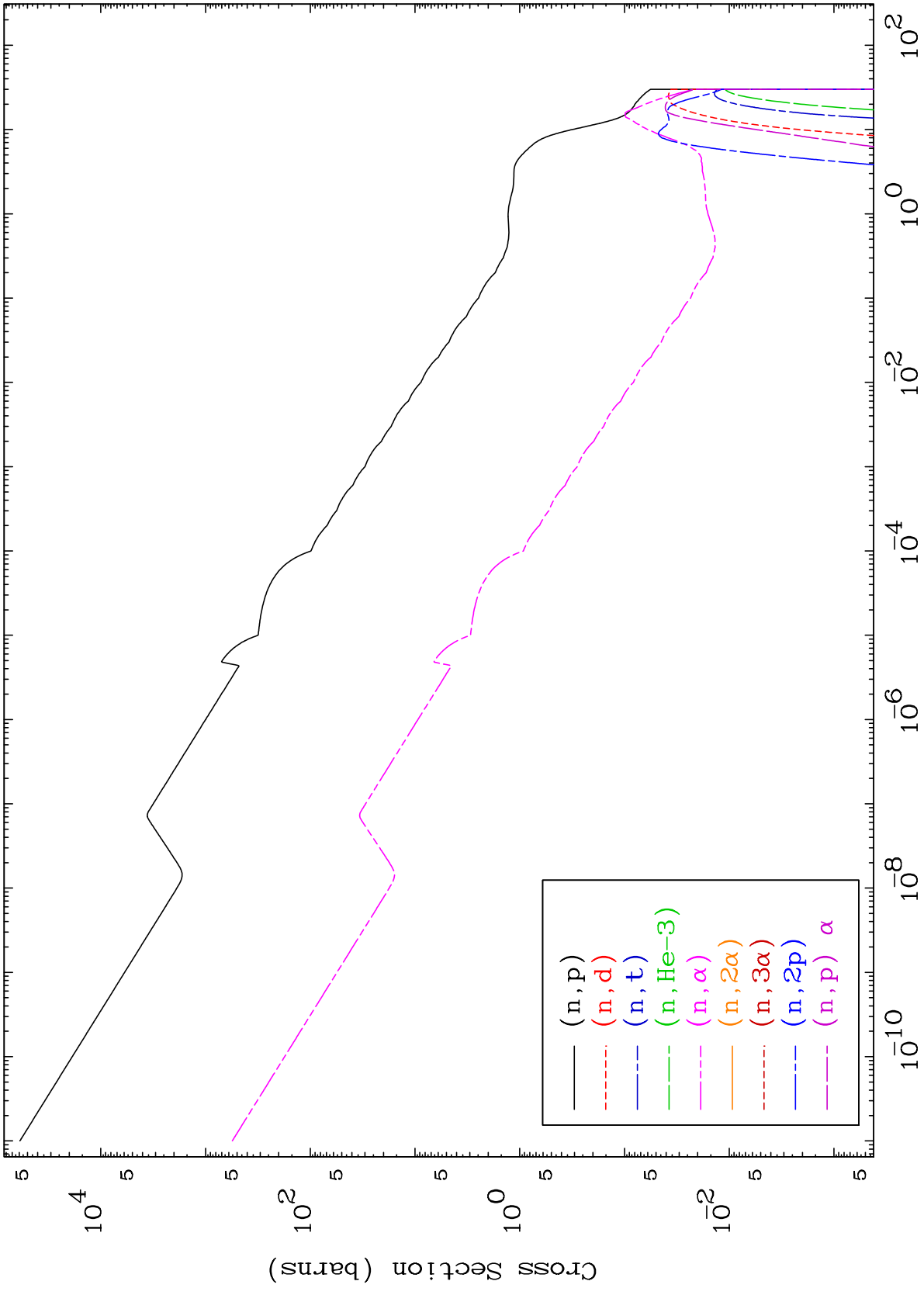
61-Pm-136

Incident Energy (MeV)

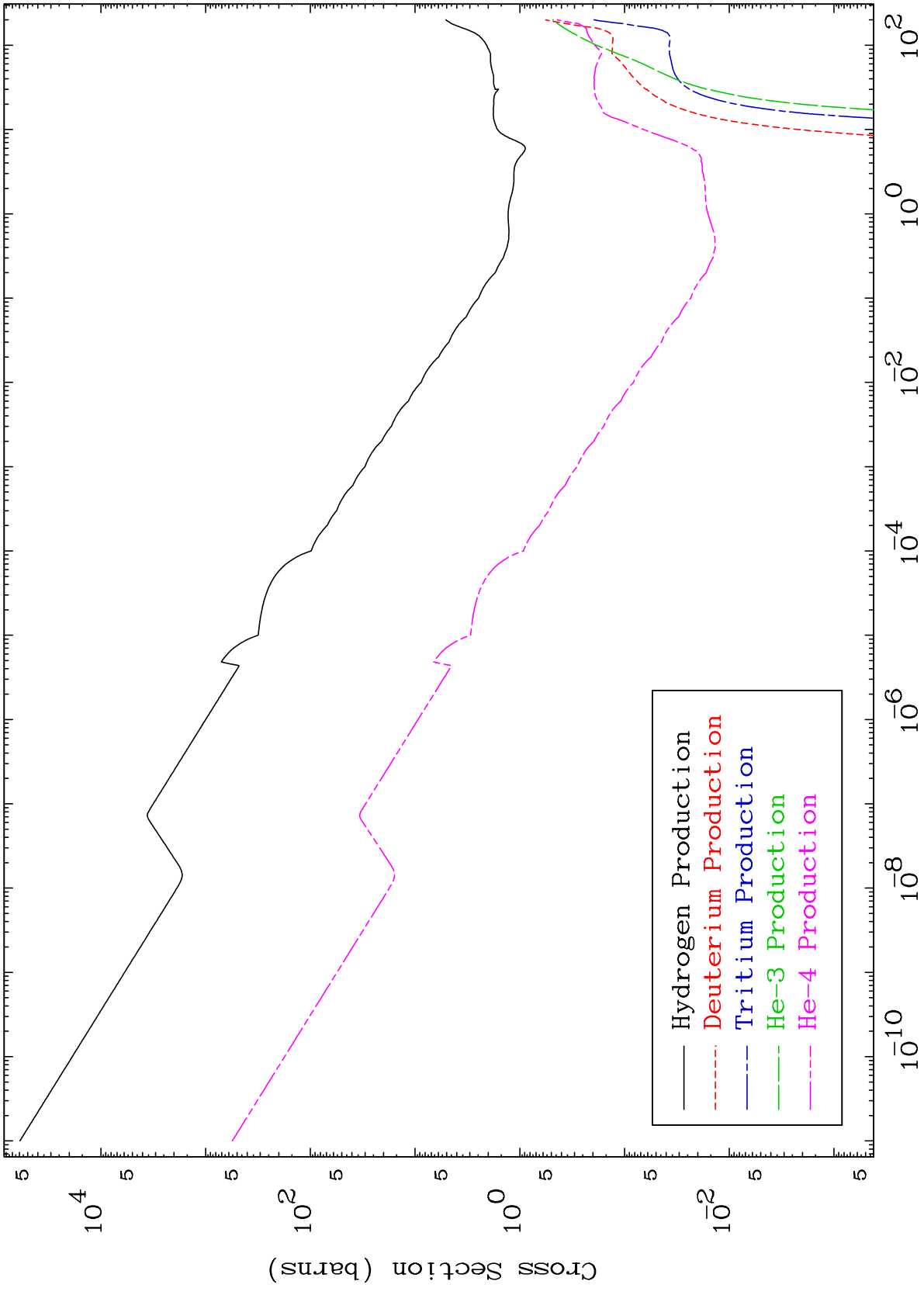
MAT 6117

Charged Particle
293 Kelvin Cross Sections

61-Pm-136



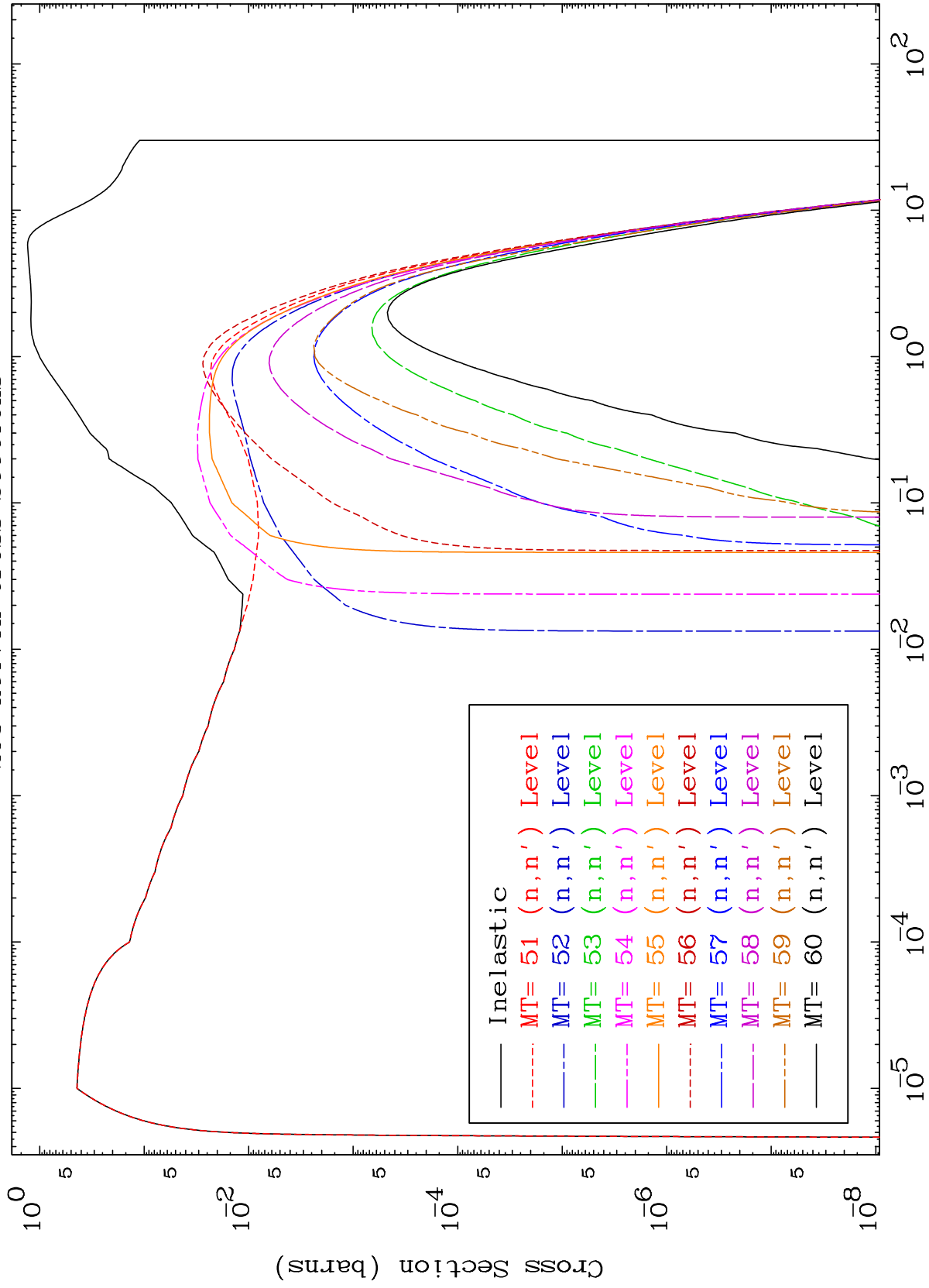
61-Pm-136



MAT 6117

(n,n') Level
293 Kelvin Cross Sections

61-Pm-136

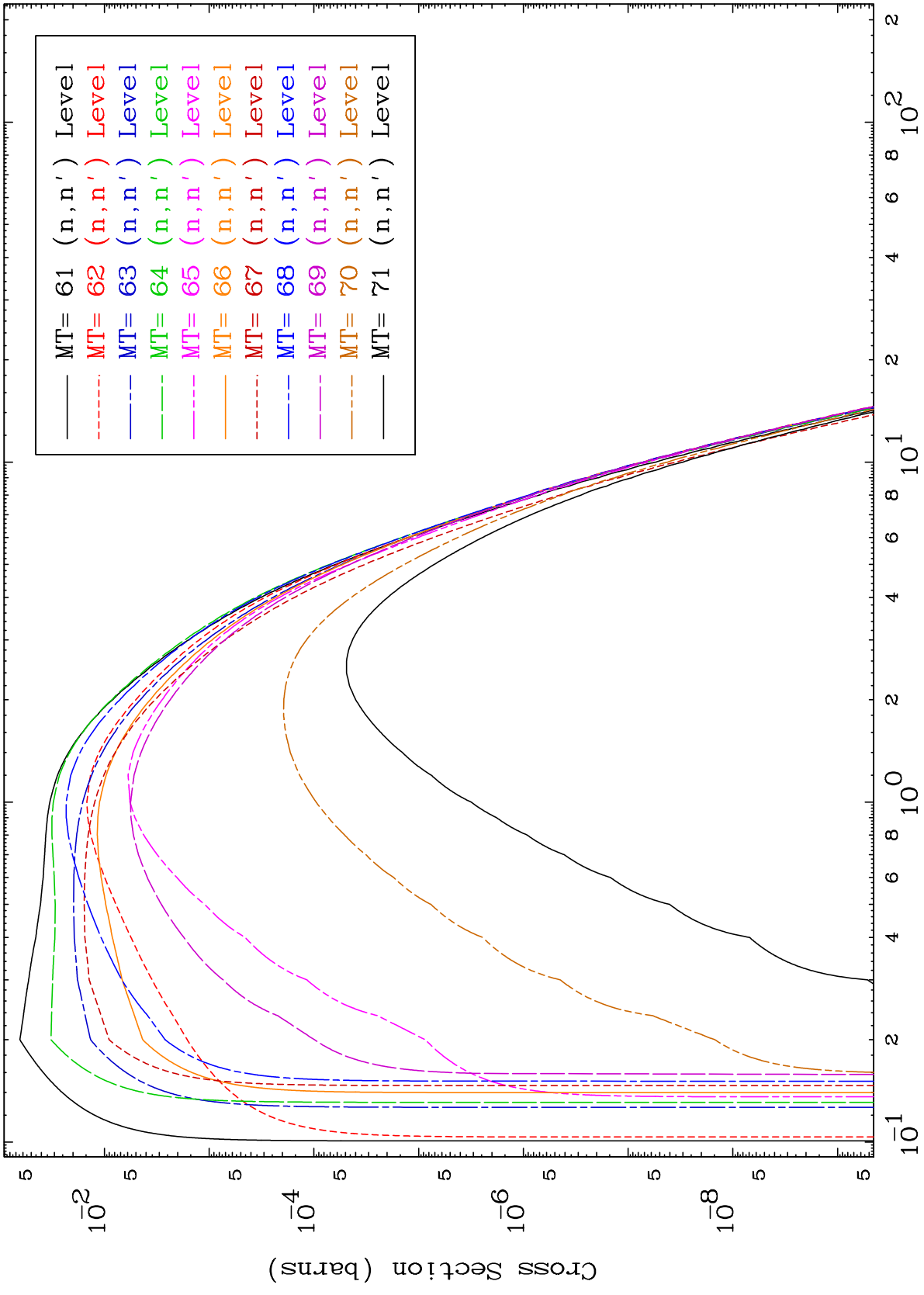


MAT 6117

(n,n') Level

61-Pm-136

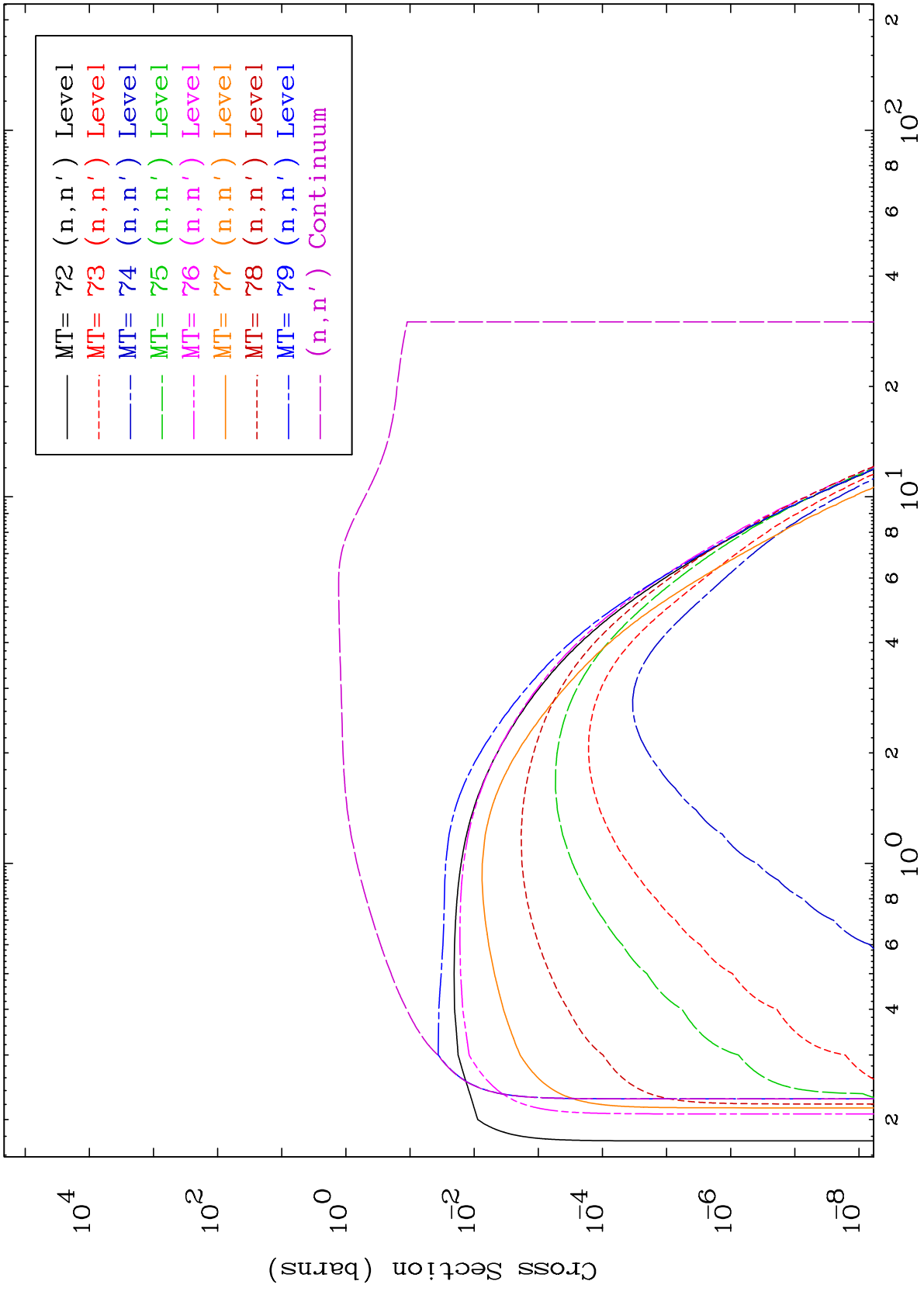
293 Kelvin Cross Sections



Incident Energy (MeV)

61-Pm-136

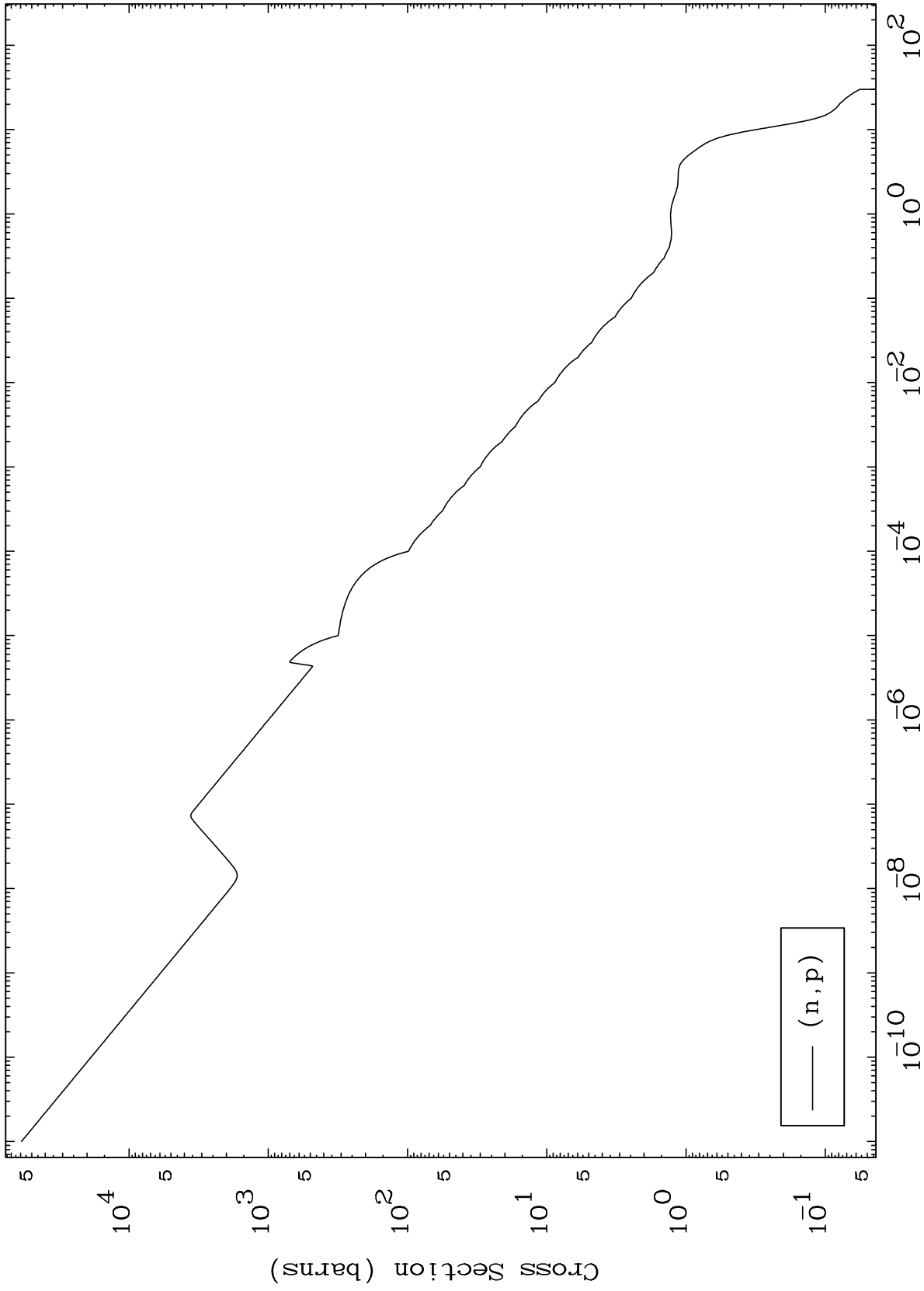
8



MAT 6117

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-136



10

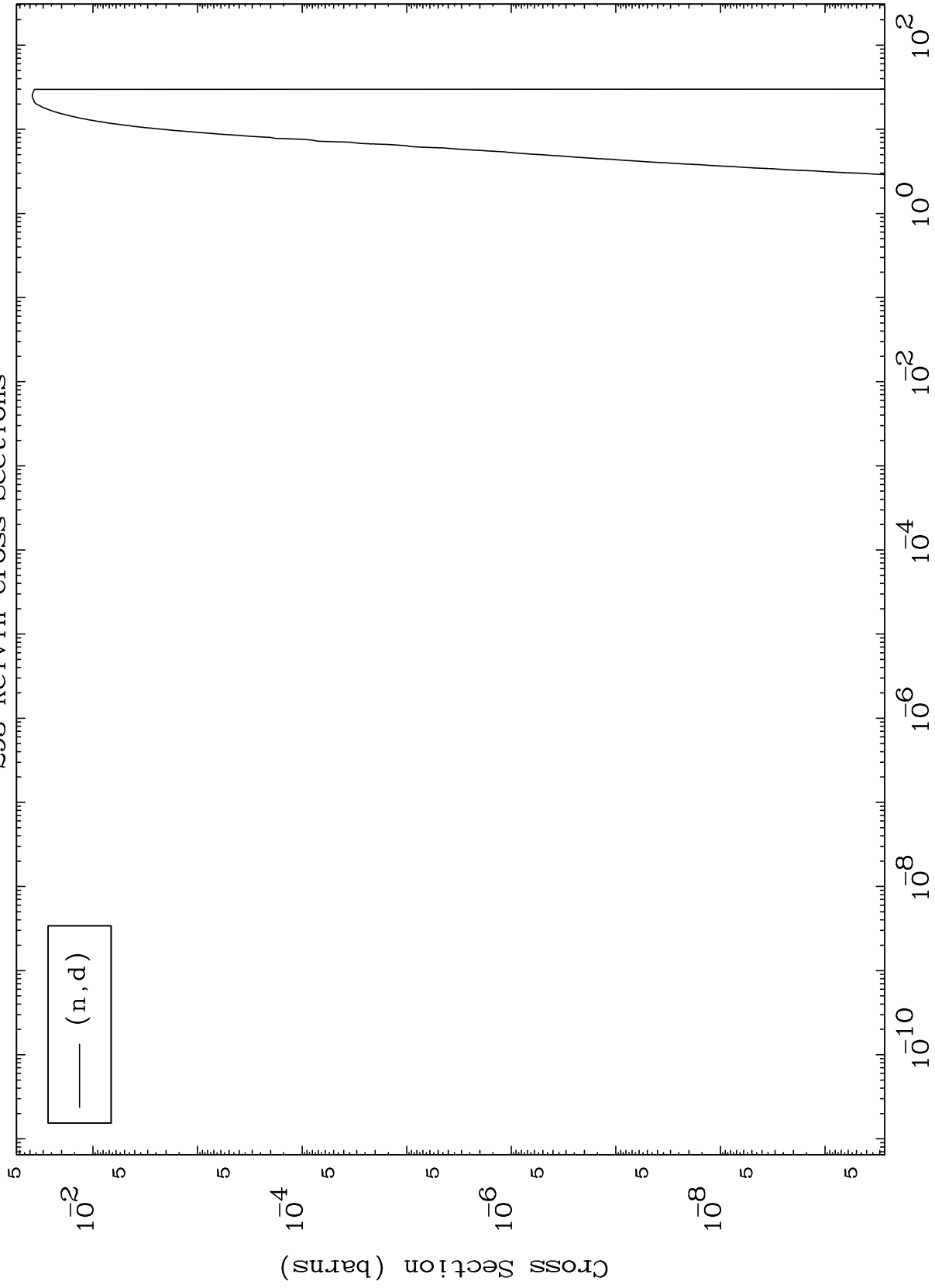
Incident Energy (MeV)

61-Pm-136

MAT 6117

(n,d) Levels
293 Kelvin Cross Sections

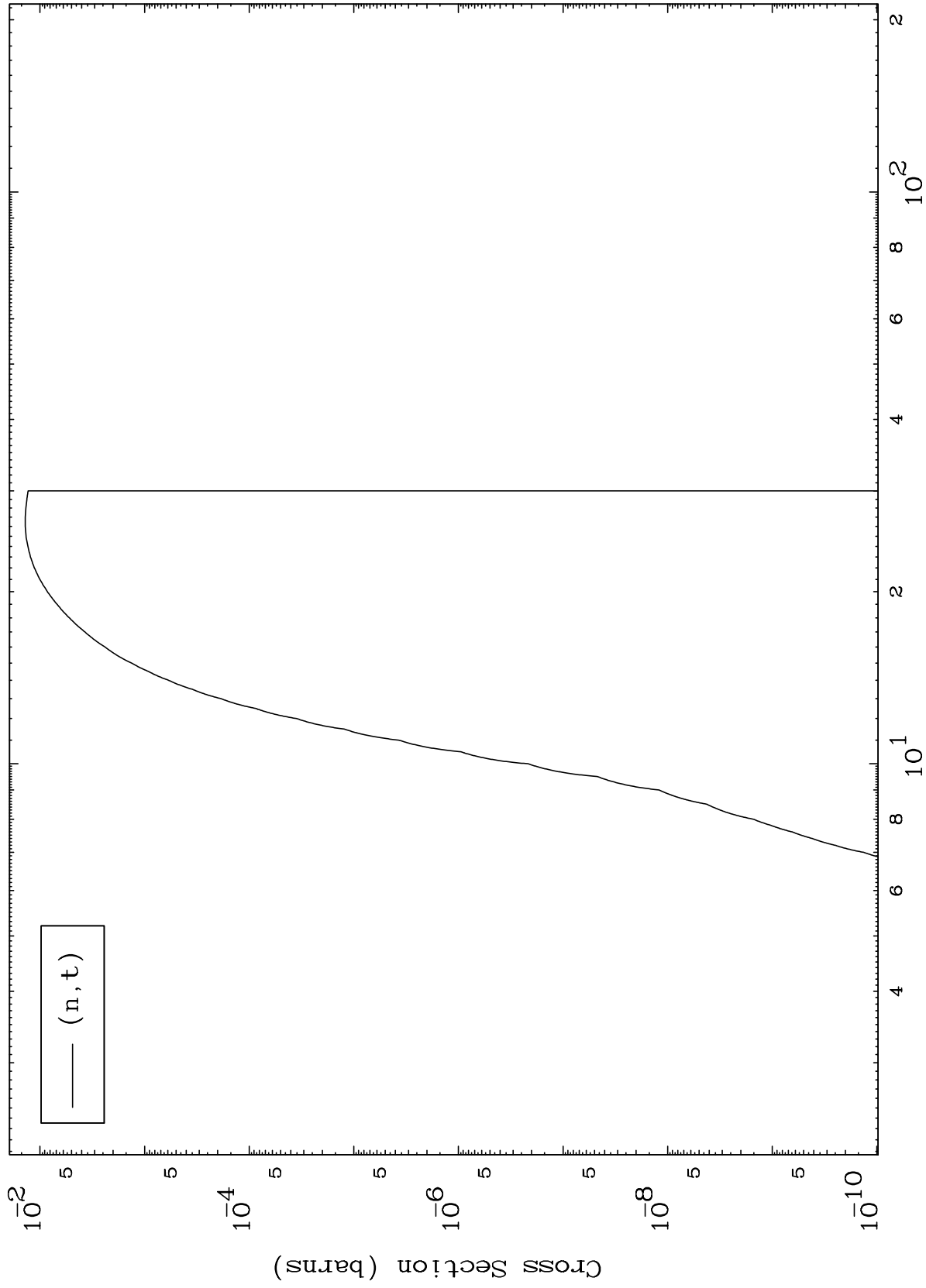
61-Pm-136



MAT 6117

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-136



12

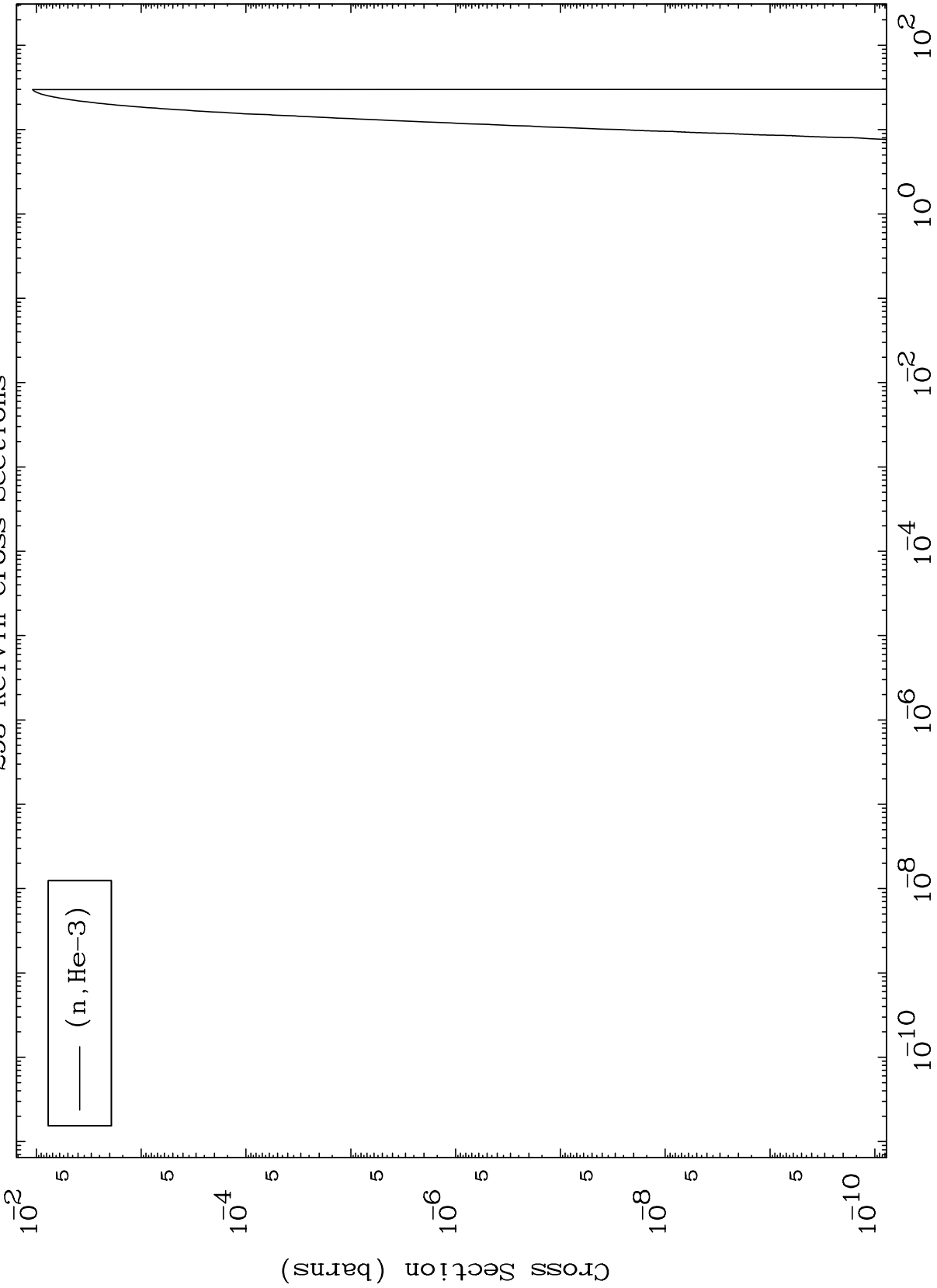
Incident Energy (MeV)

61-Pm-136

MAT 6117

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-136



13

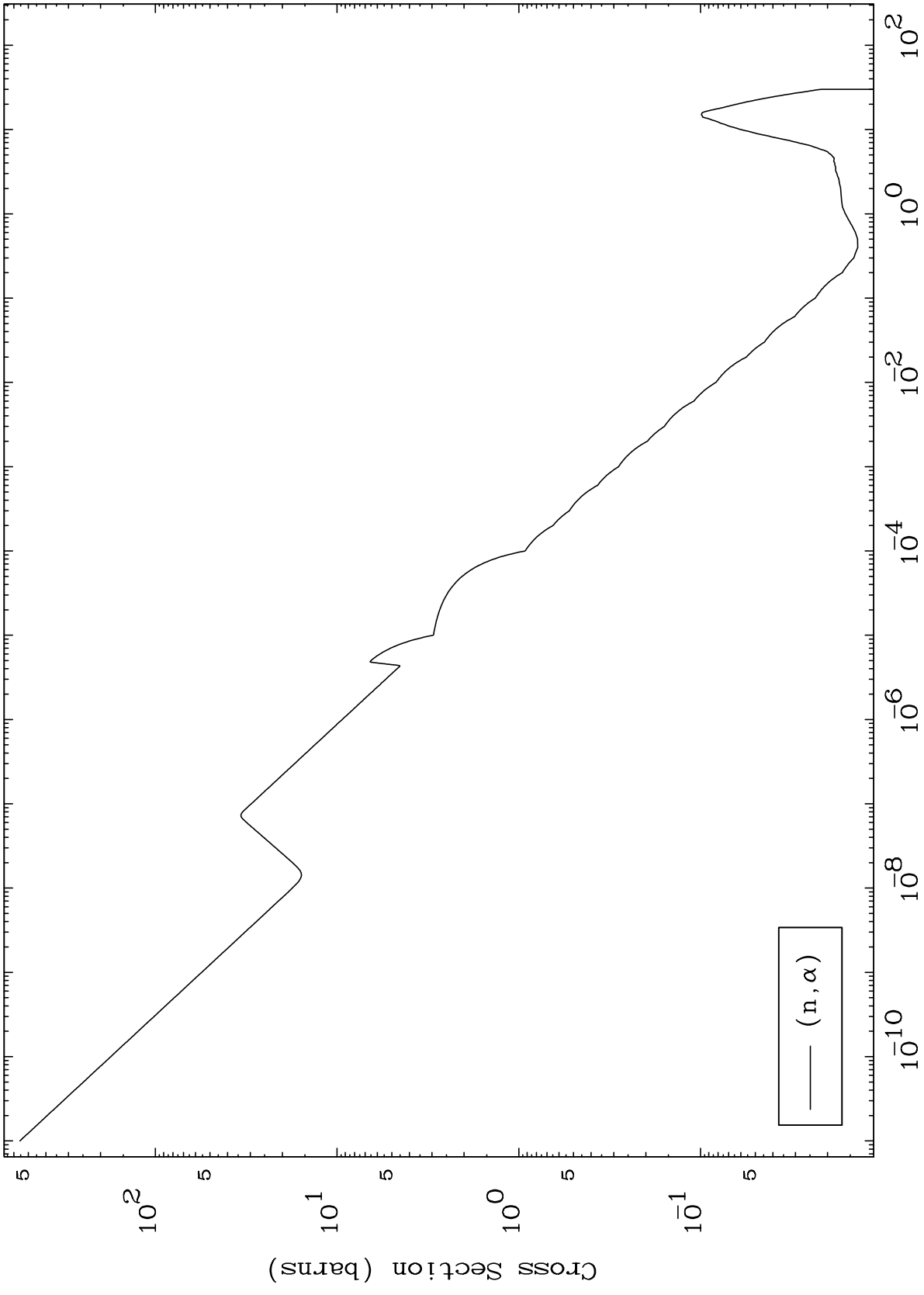
Incident Energy (MeV)

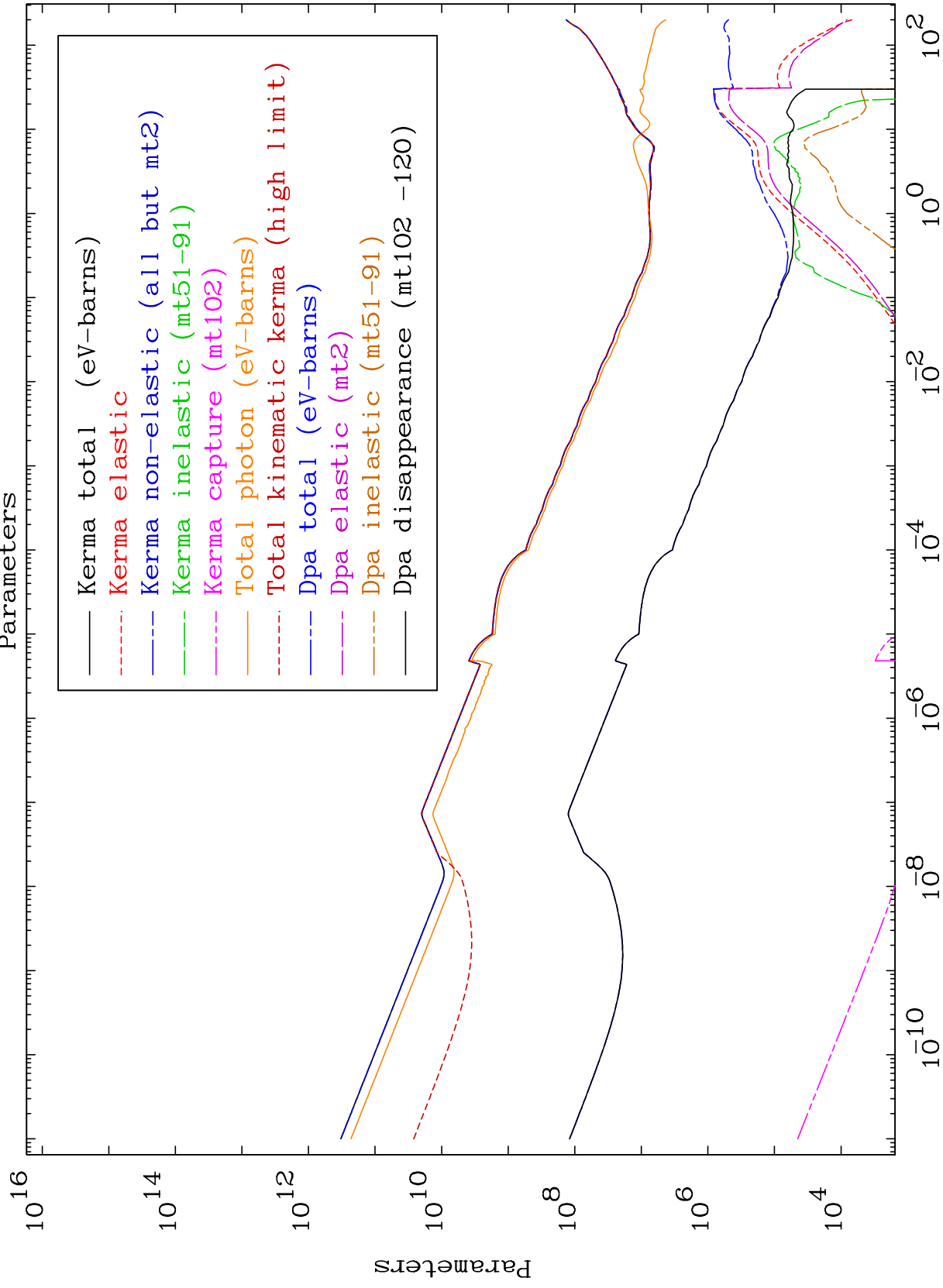
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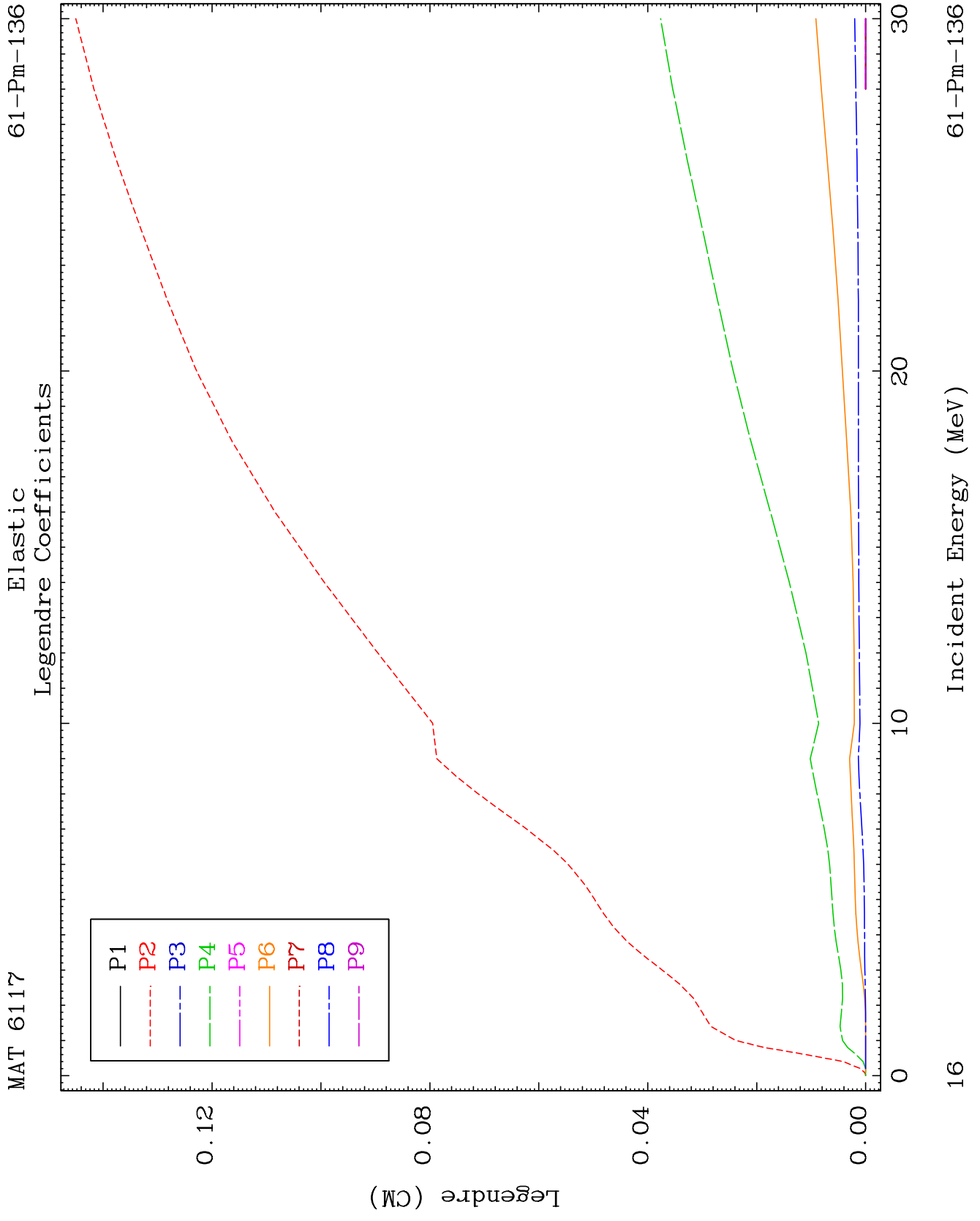
MAT 6117

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-136



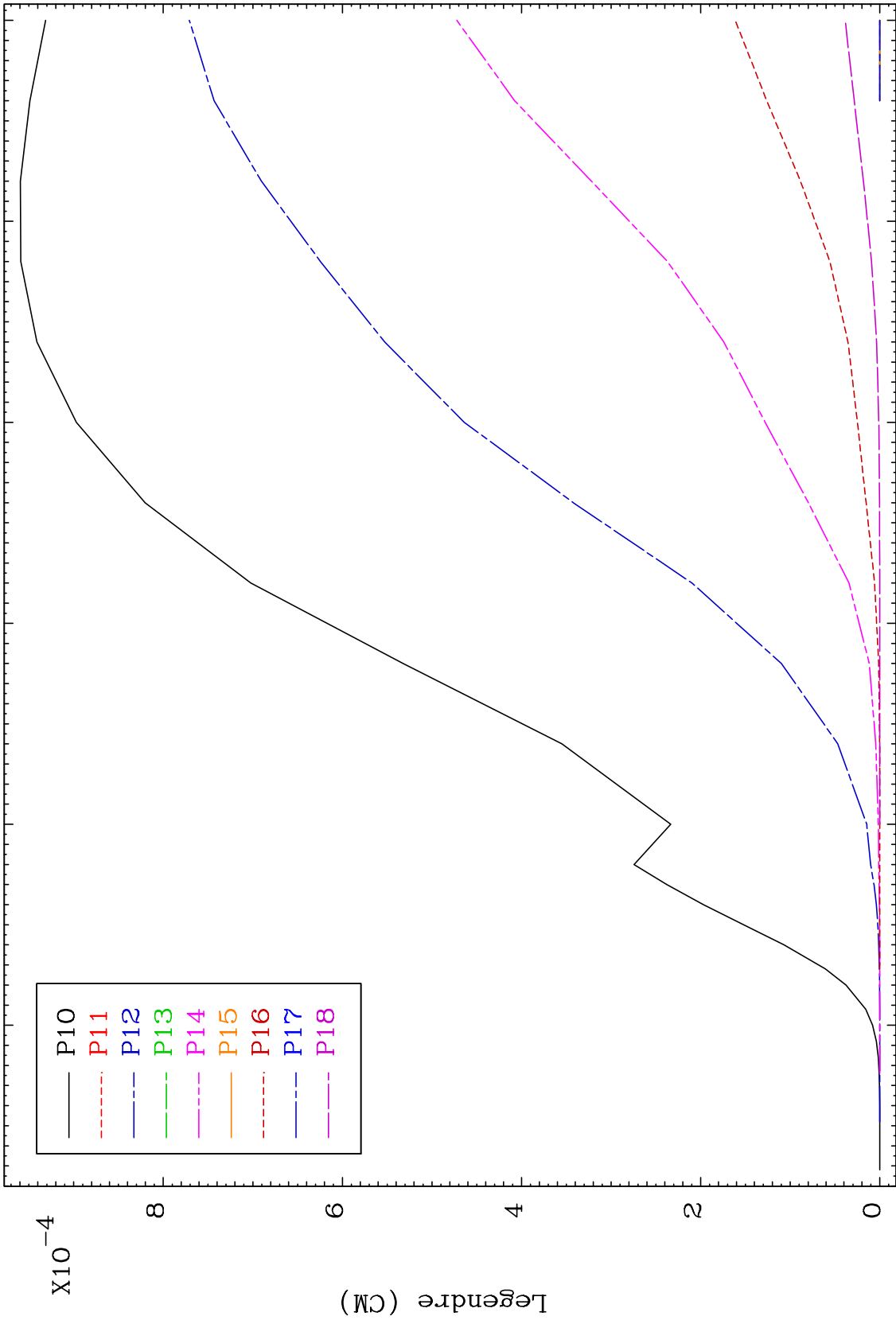




MAT 6117

Elastic Legendre Coefficients

61-Pm-136



17

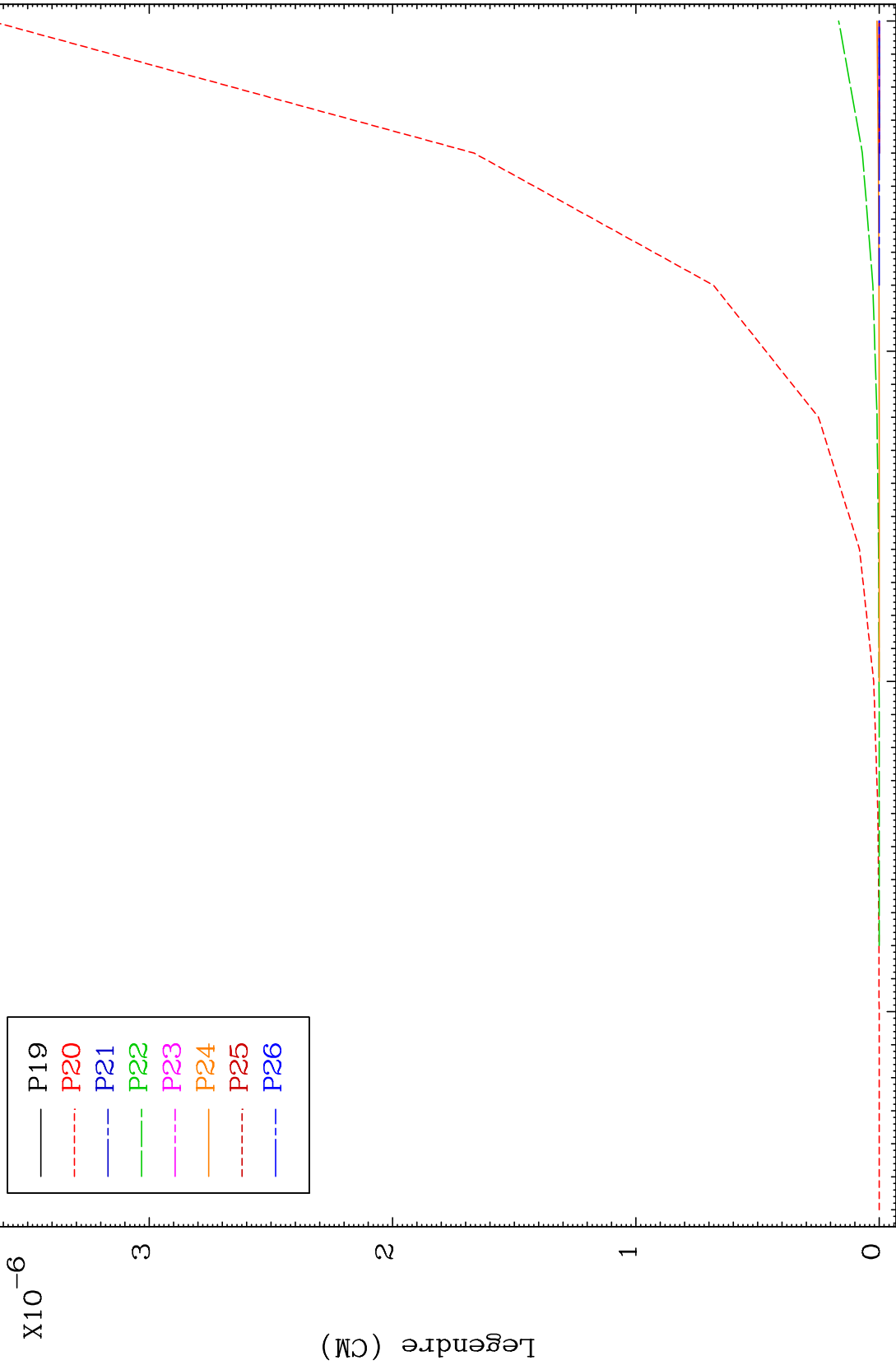
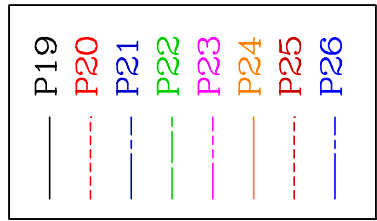
Incident Energy (MeV)

61-Pm-136

MAT 6117

Elastic
Legendre Coefficients

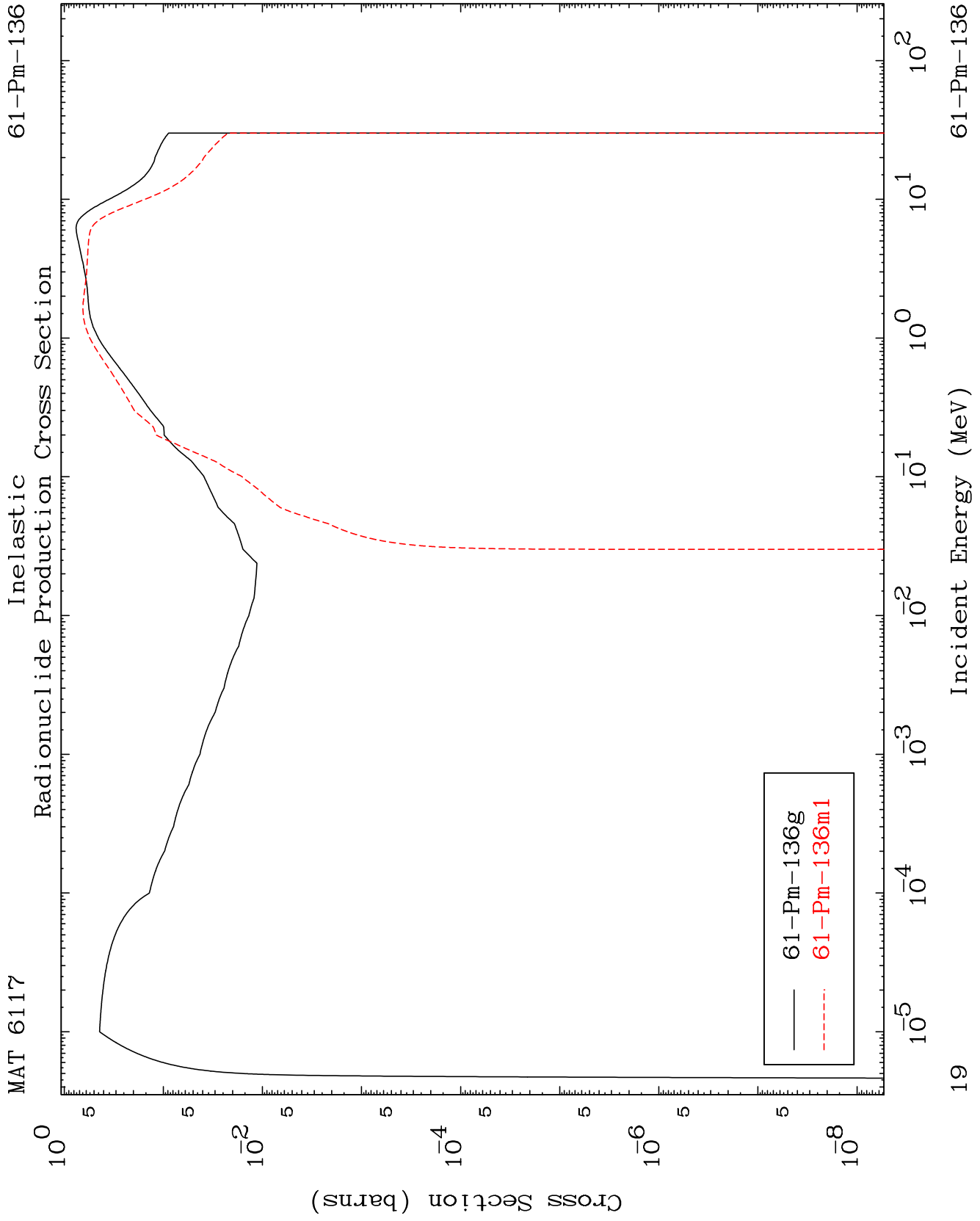
61-Pm-136



18

Incident Energy (MeV)

61-Pm-136

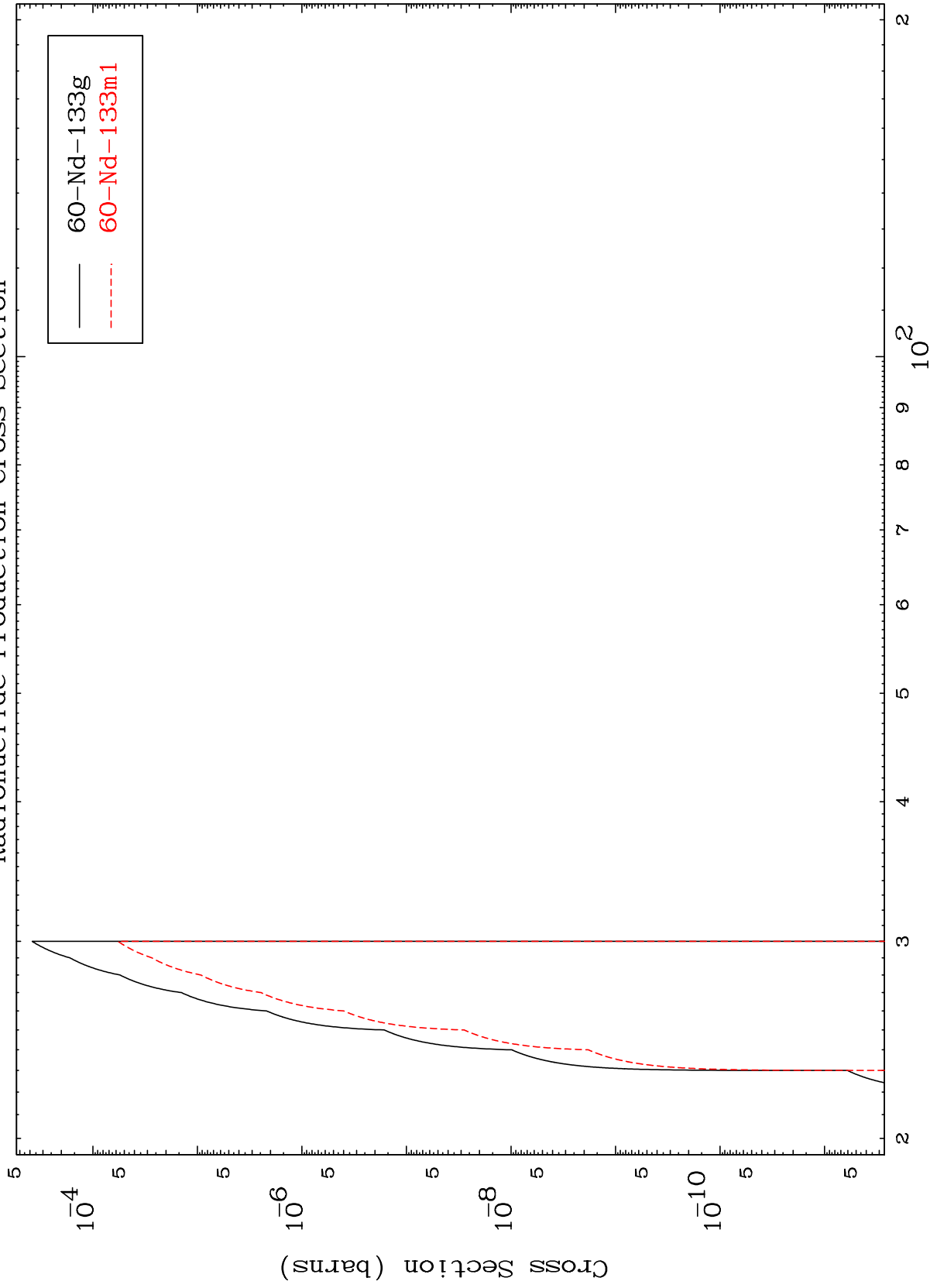


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(n,2n) d

61-Pm-136

Radionuclide Production Cross Section



20

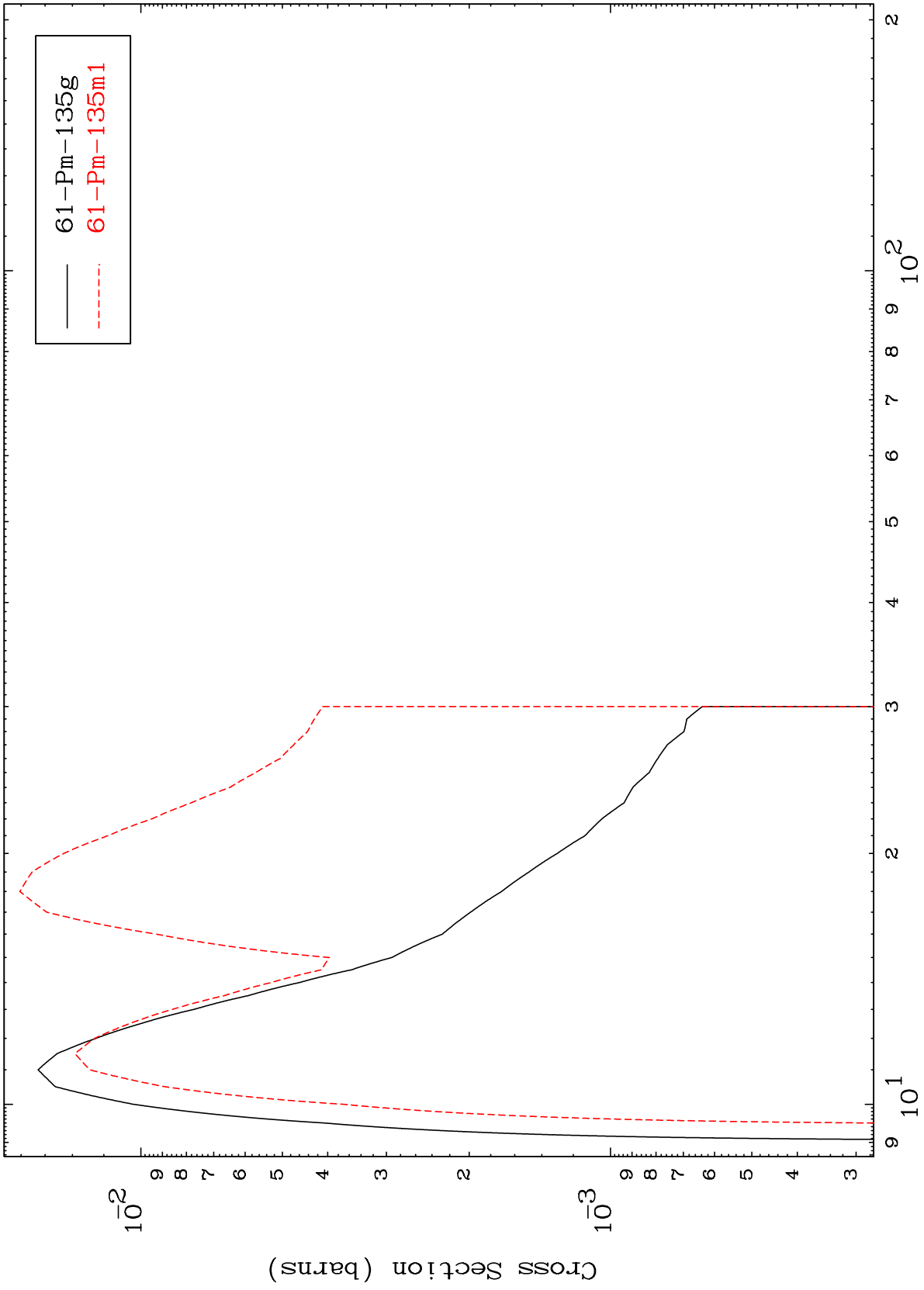
Incident Energy (MeV)

61-Pm-136

MAT 6117

61-Pm-136

(n,2n)
Radionuclide Production Cross Section



21

61-Pm-136

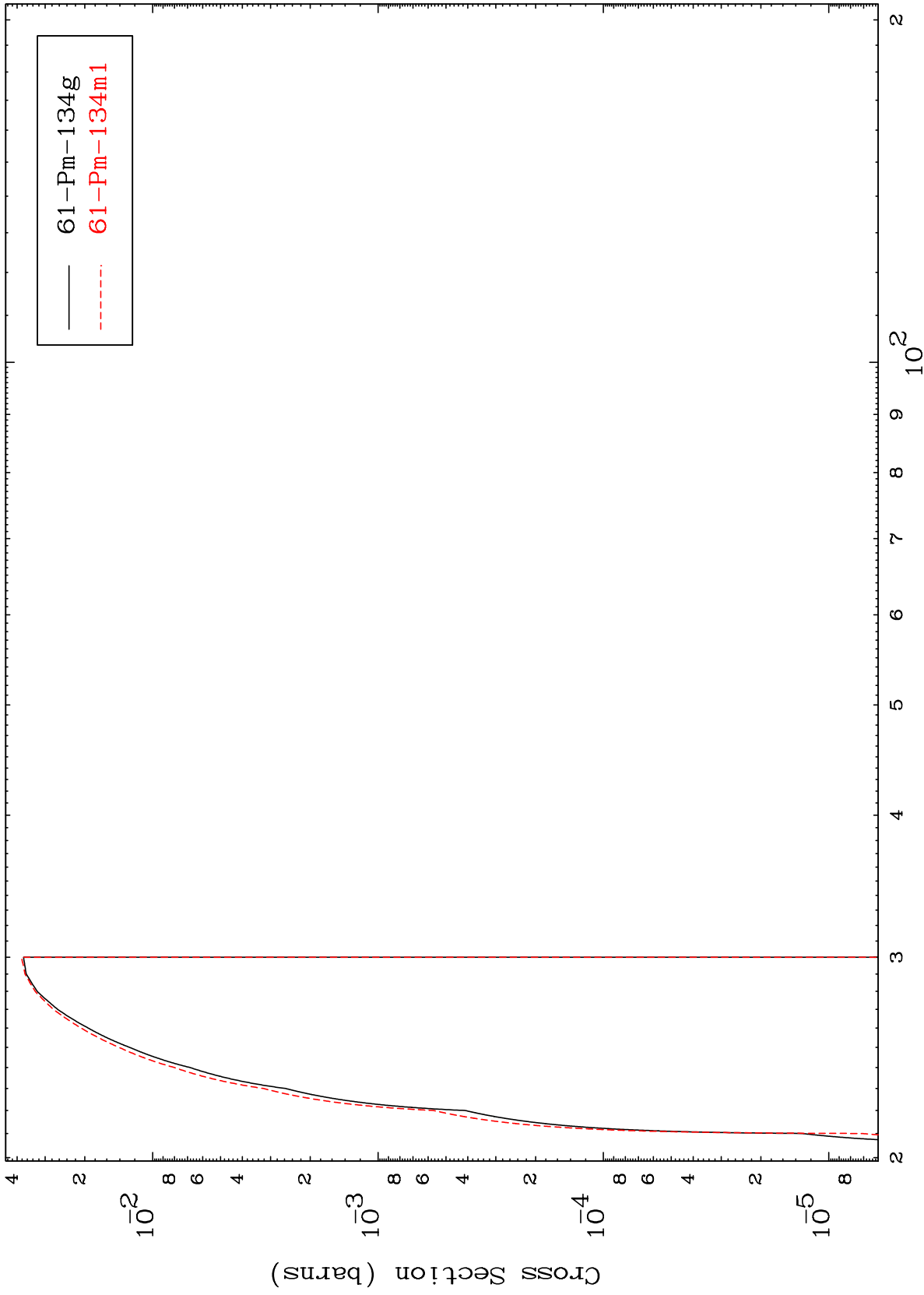
Incident Energy (MeV)

MAT 6117

(n,3n)

61-Pm-136

Radionuclide Production Cross Section



22

Incident Energy (MeV)

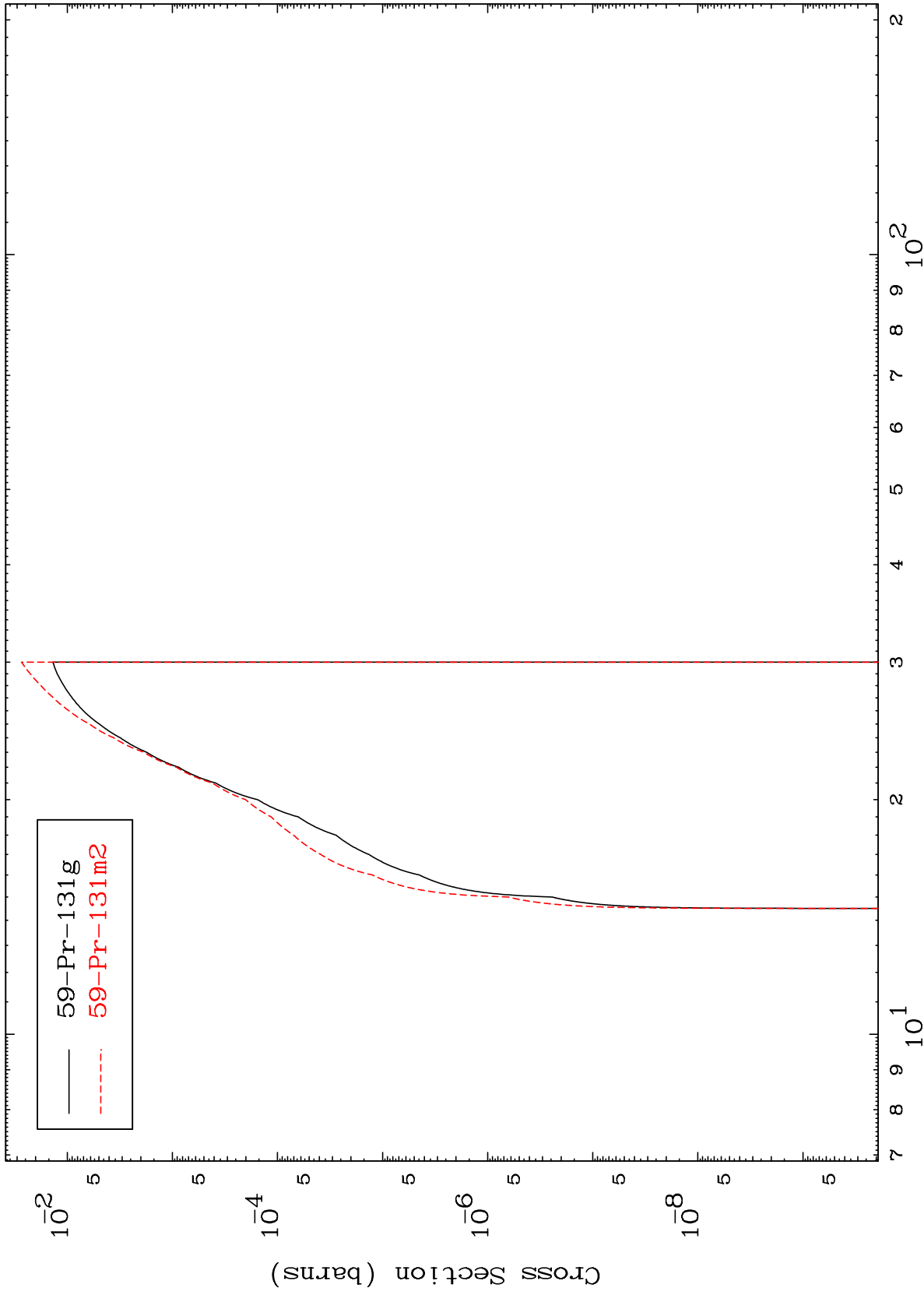
61-Pm-136

MAT 6117

(n,2n) α

61-Pm-136

Radionuclide Production Cross Section



23

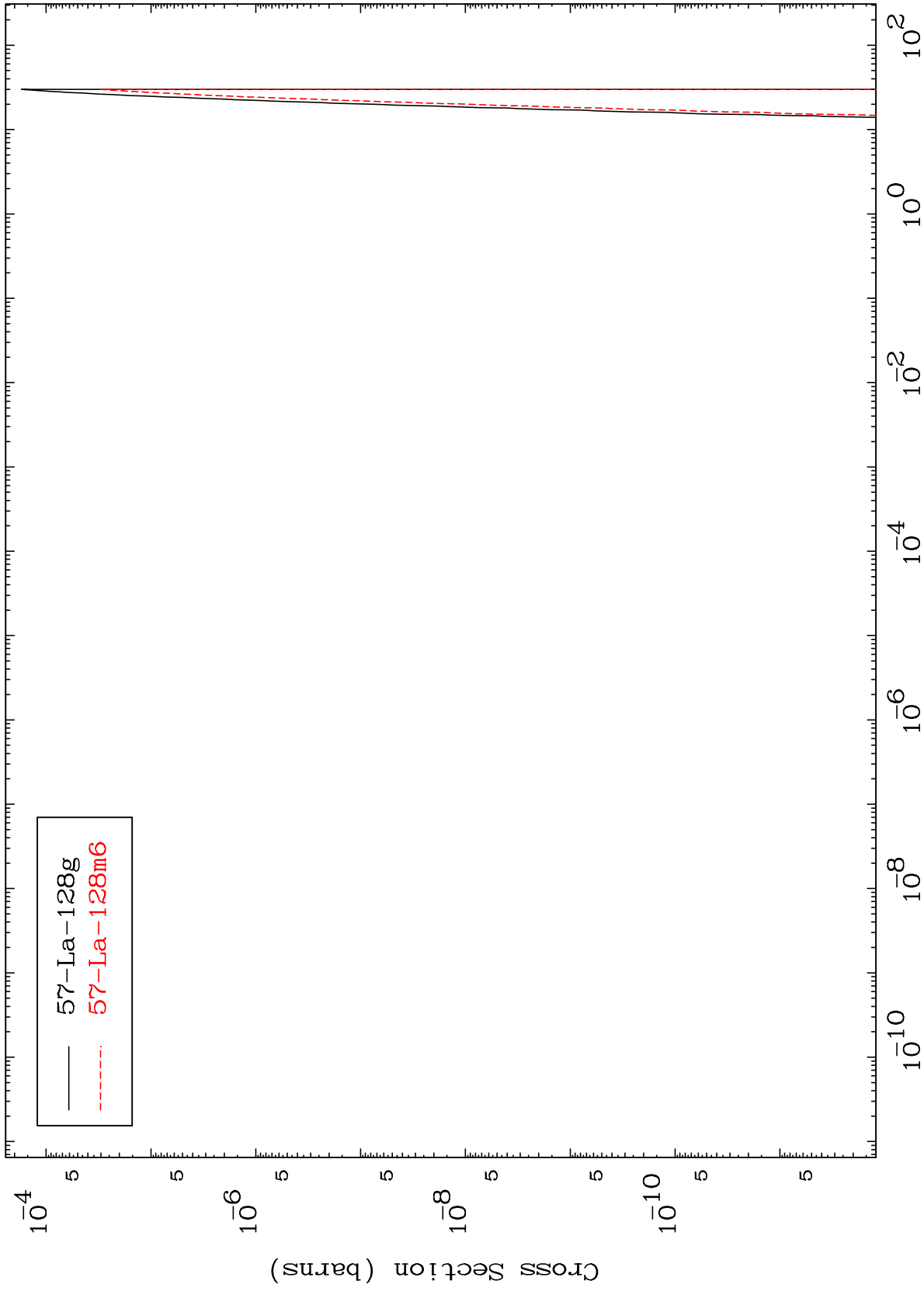
61-Pm-136

MAT 6117

(n,n') 2 α

61-Pm-136

Radionuclide Production Cross Section



24

Incident Energy (MeV)

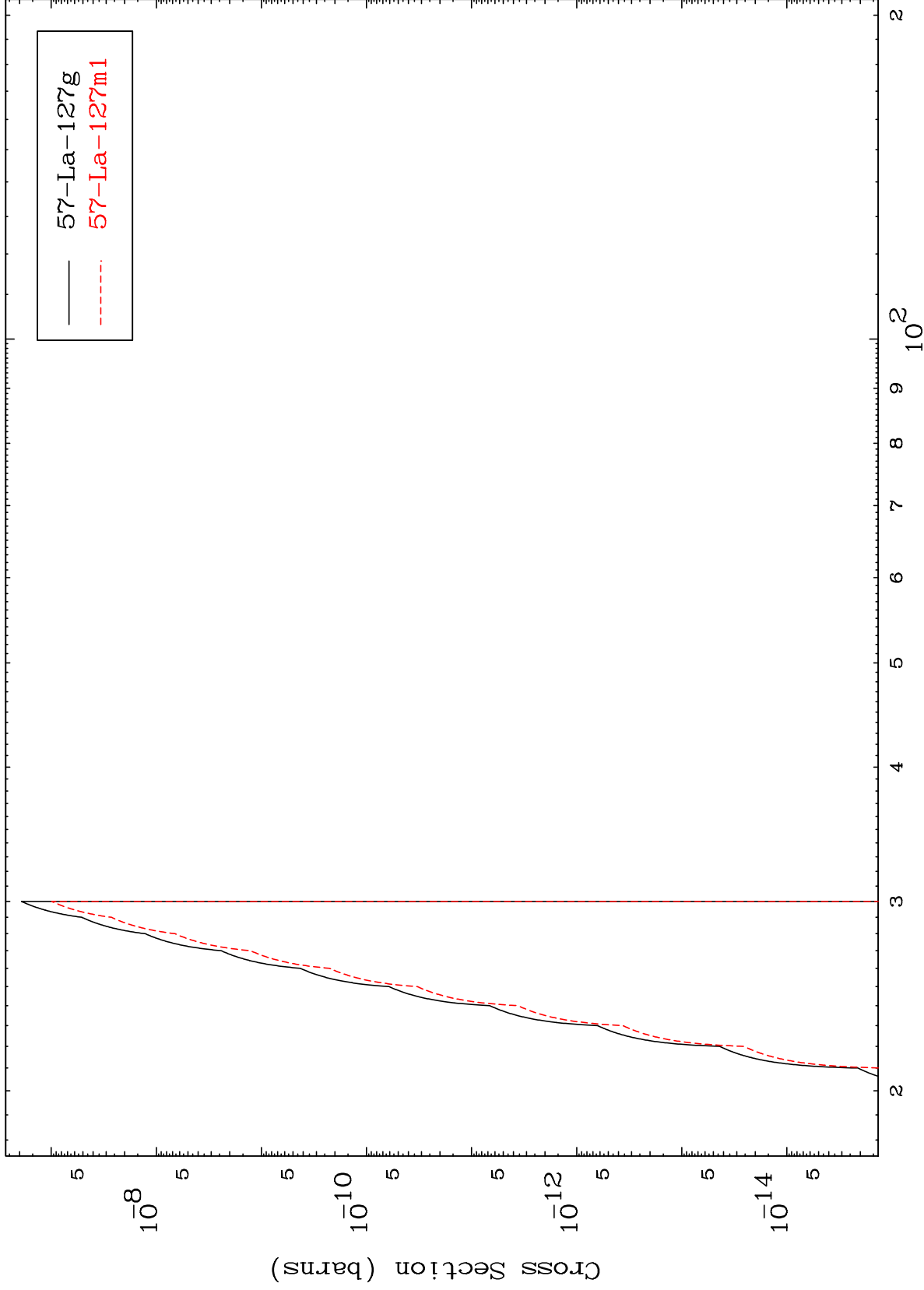
61-Pm-136

MAT 6117

(n,2n) 2 α

61-Pm-136

Radionuclide Production Cross Section



25

Incident Energy (MeV)

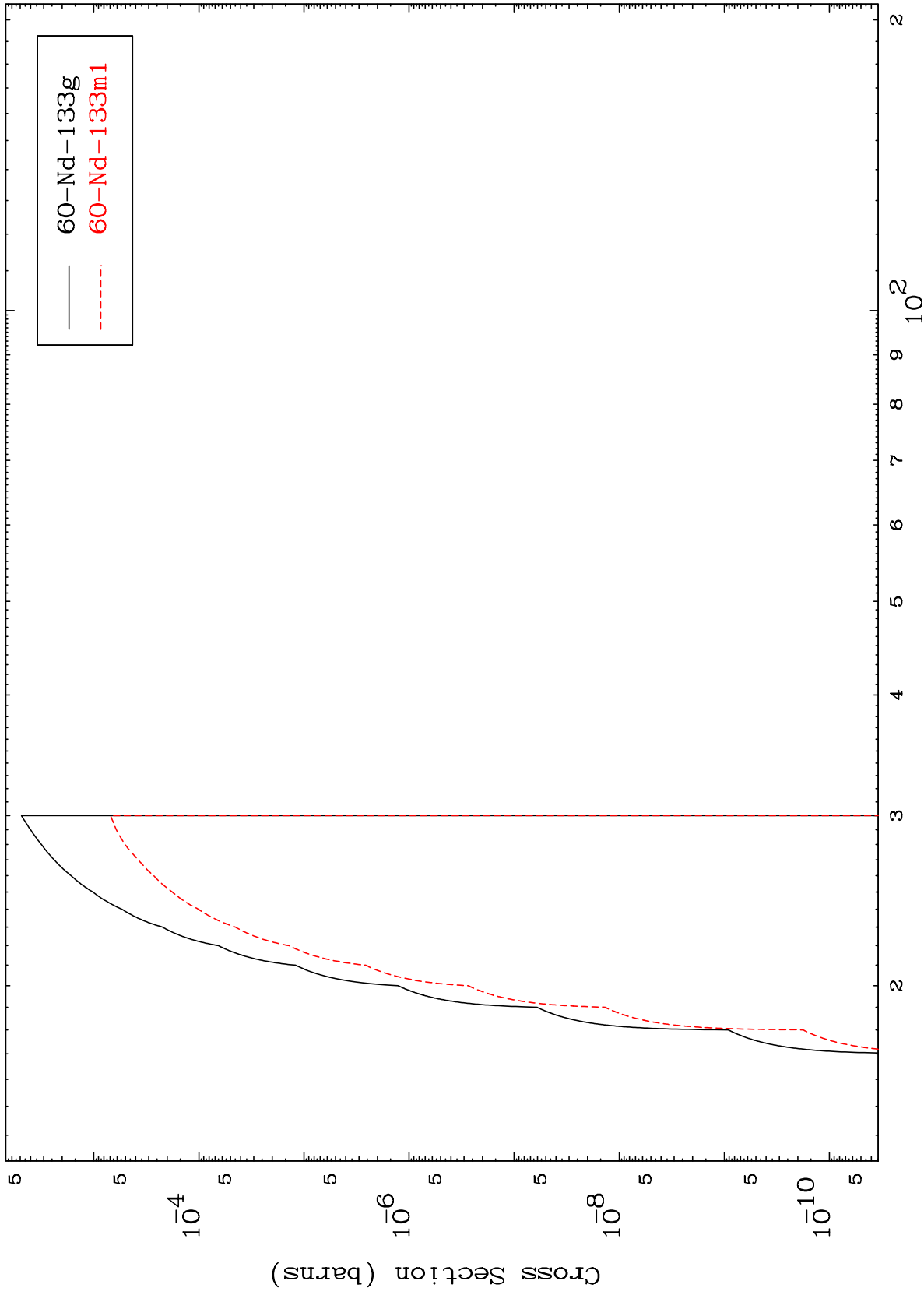
61-Pm-136

MAT 6117

(n,n') t

61-Pm-136

Radionuclide Production Cross Section



26

Incident Energy (MeV)

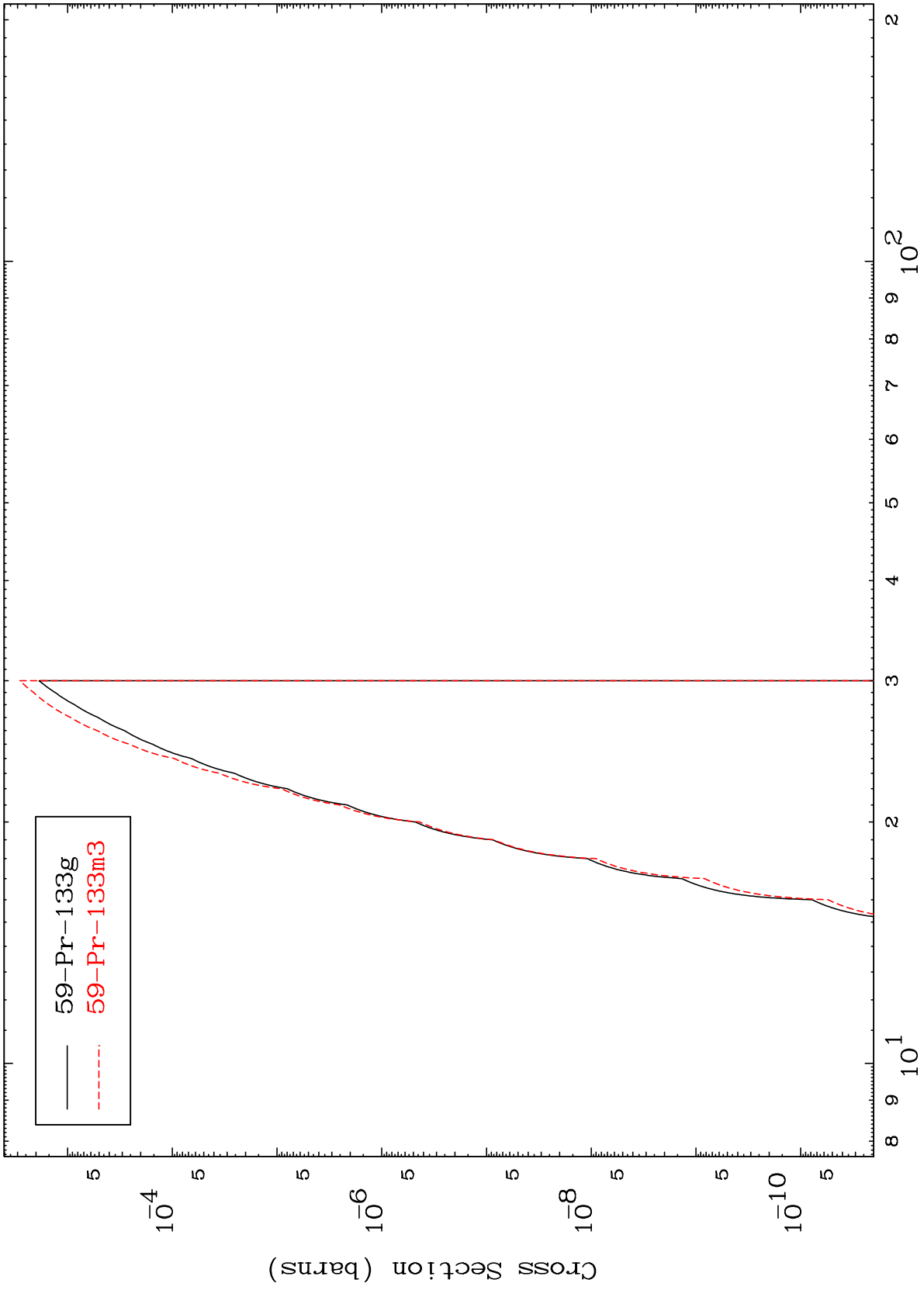
61-Pm-136

MAT 6117

(n, n') He-3

61-Pm-136

Radionuclide Production Cross Section



27

Incident Energy (MeV)

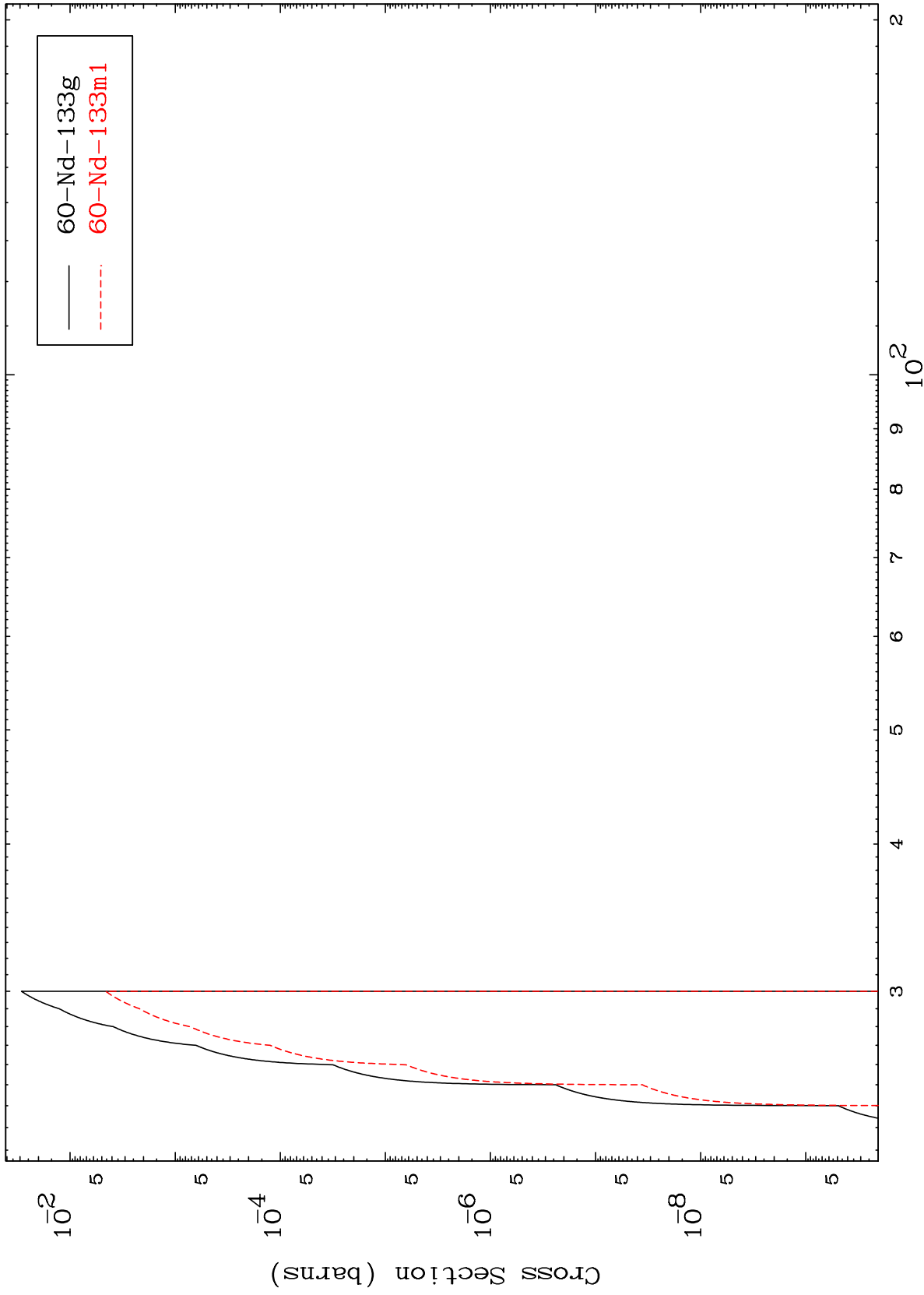
61-Pm-136

MAT 6117

(n,3n) p

61-Pm-136

Radionuclide Production Cross Section



28

Incident Energy (MeV)

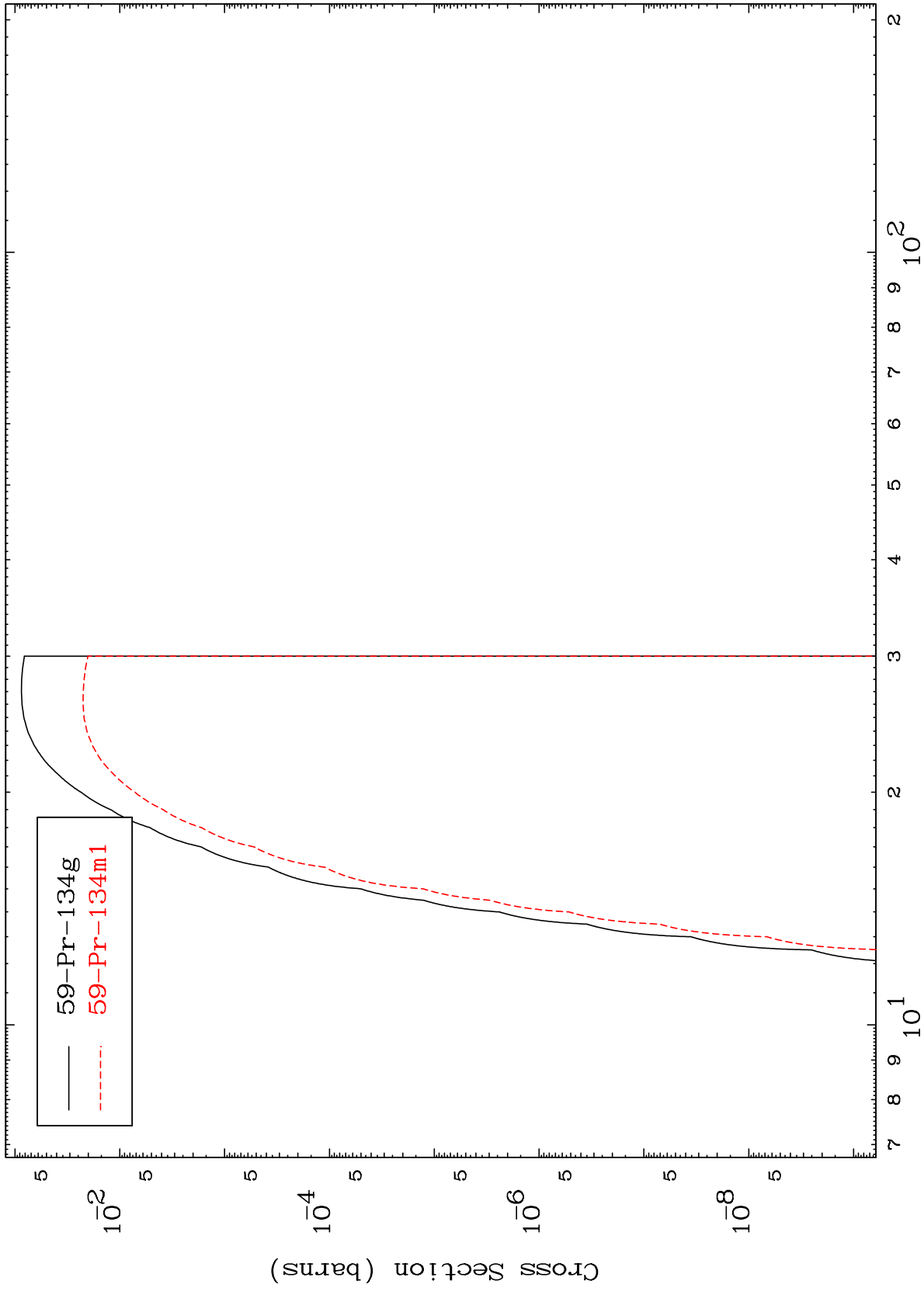
61-Pm-136

MAT 6117

(n,2n) p

61-Pm-136

Radionuclide Production Cross Section



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

29

Incident Energy (MeV)

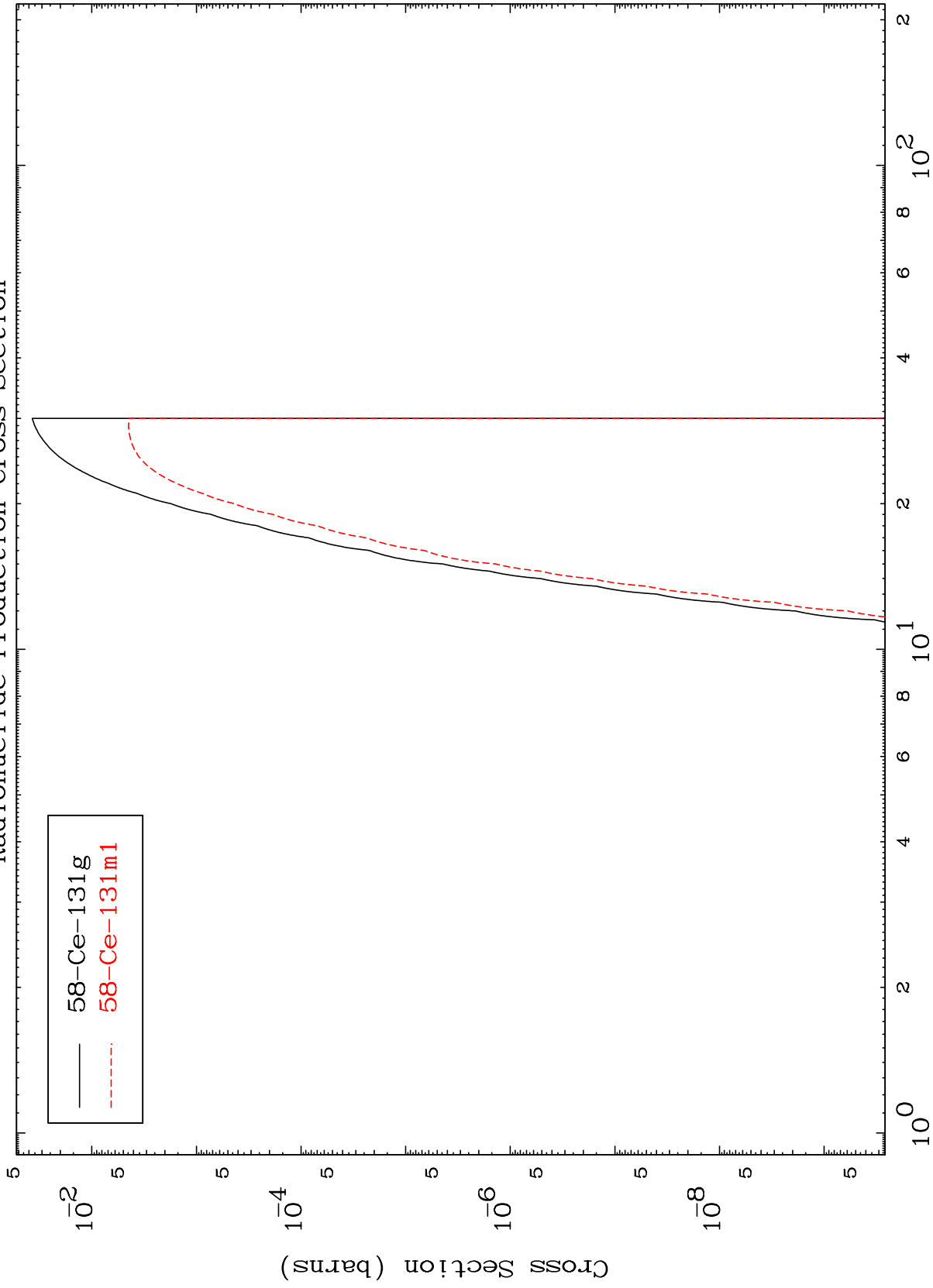
61-Pm-136

MAT 6117

(n,n') p α

61-Pm-136

Radionuclide Production Cross Section



Incident Energy (MeV)

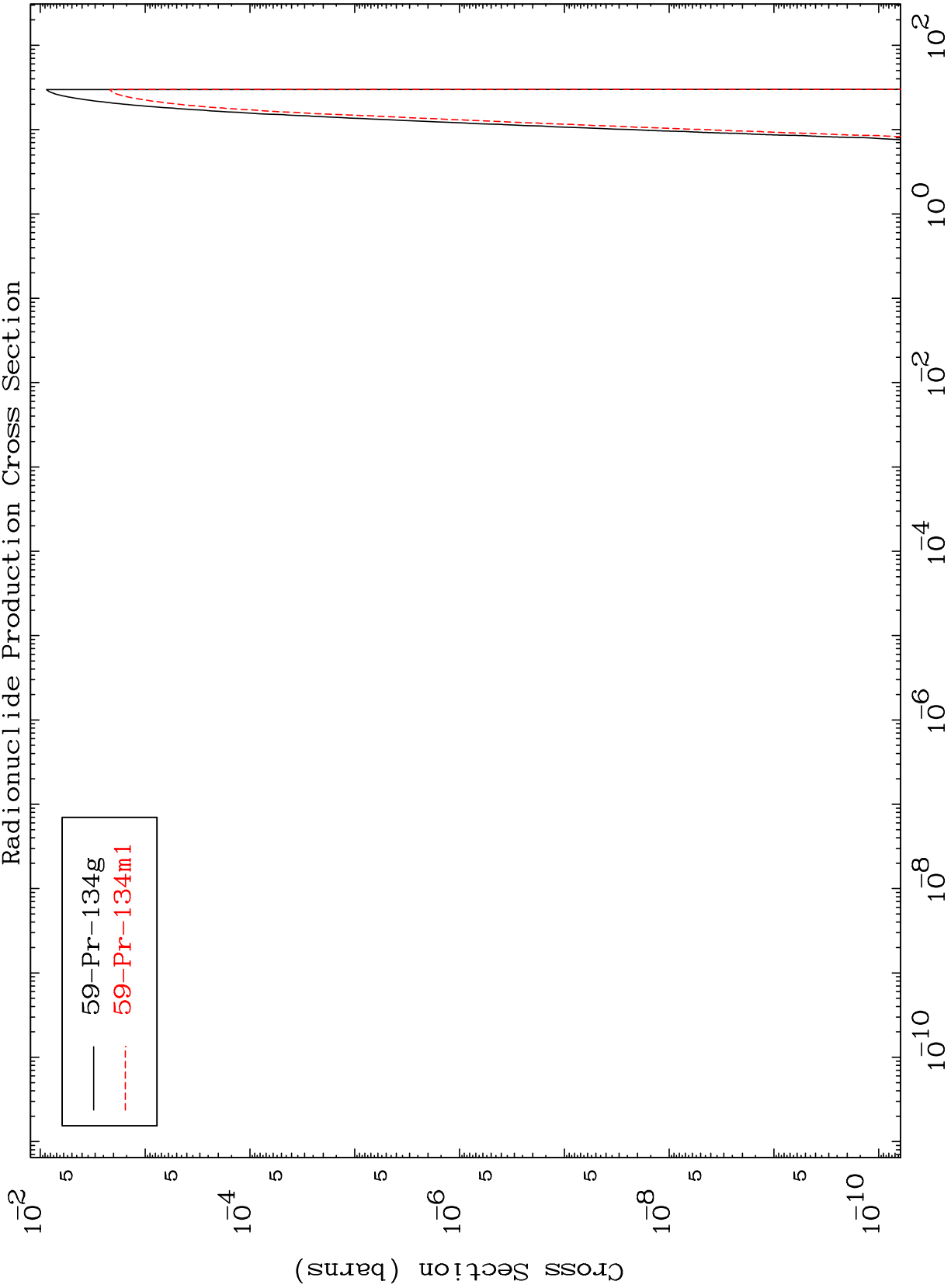
61-Pm-136

MAT 6117

(n, He-3)

61-Pm-136

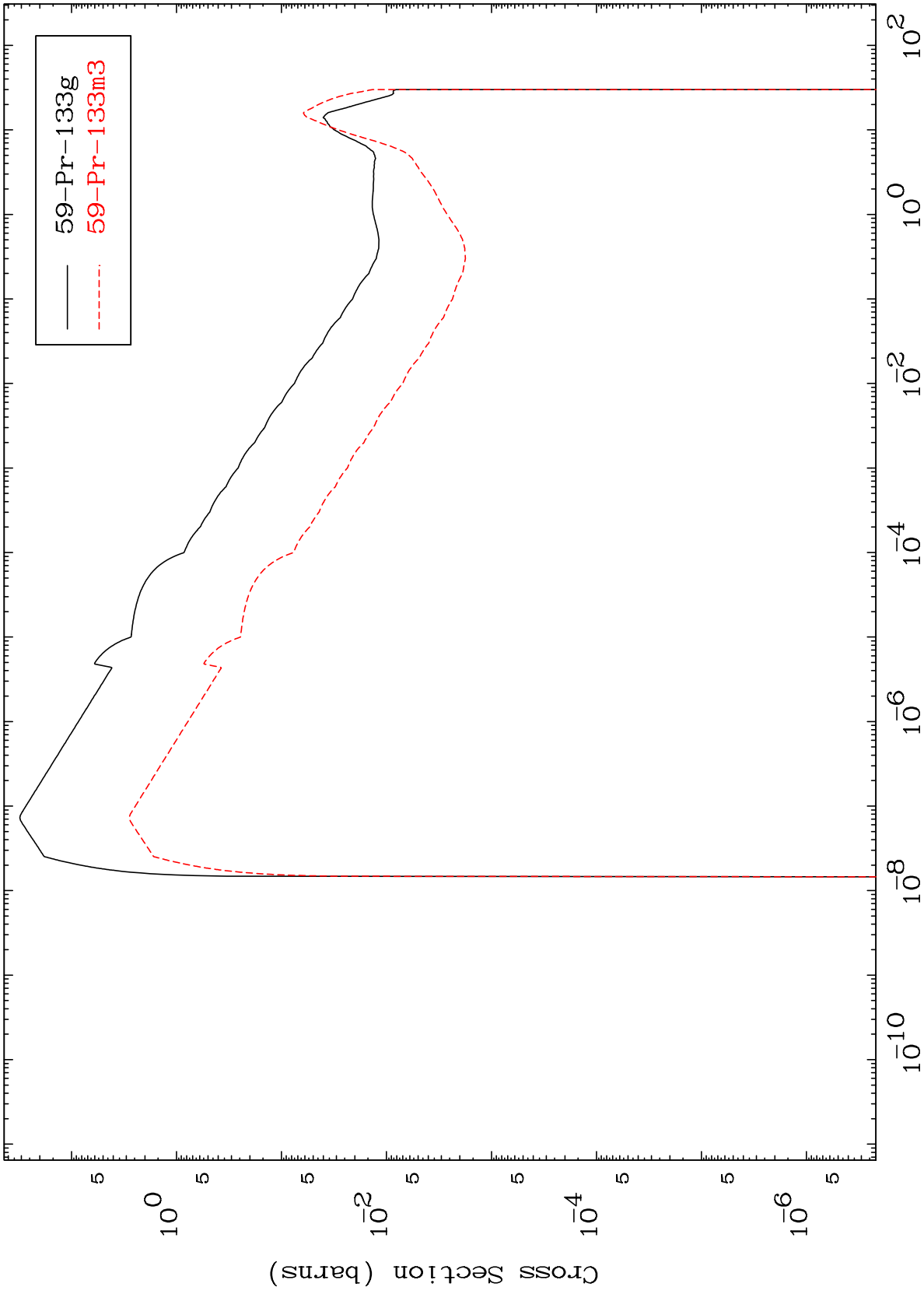
Radionuclide Production Cross Section



MAT 6117

61-Pm-136

(n, α)
Radionuclide Production Cross Section



32

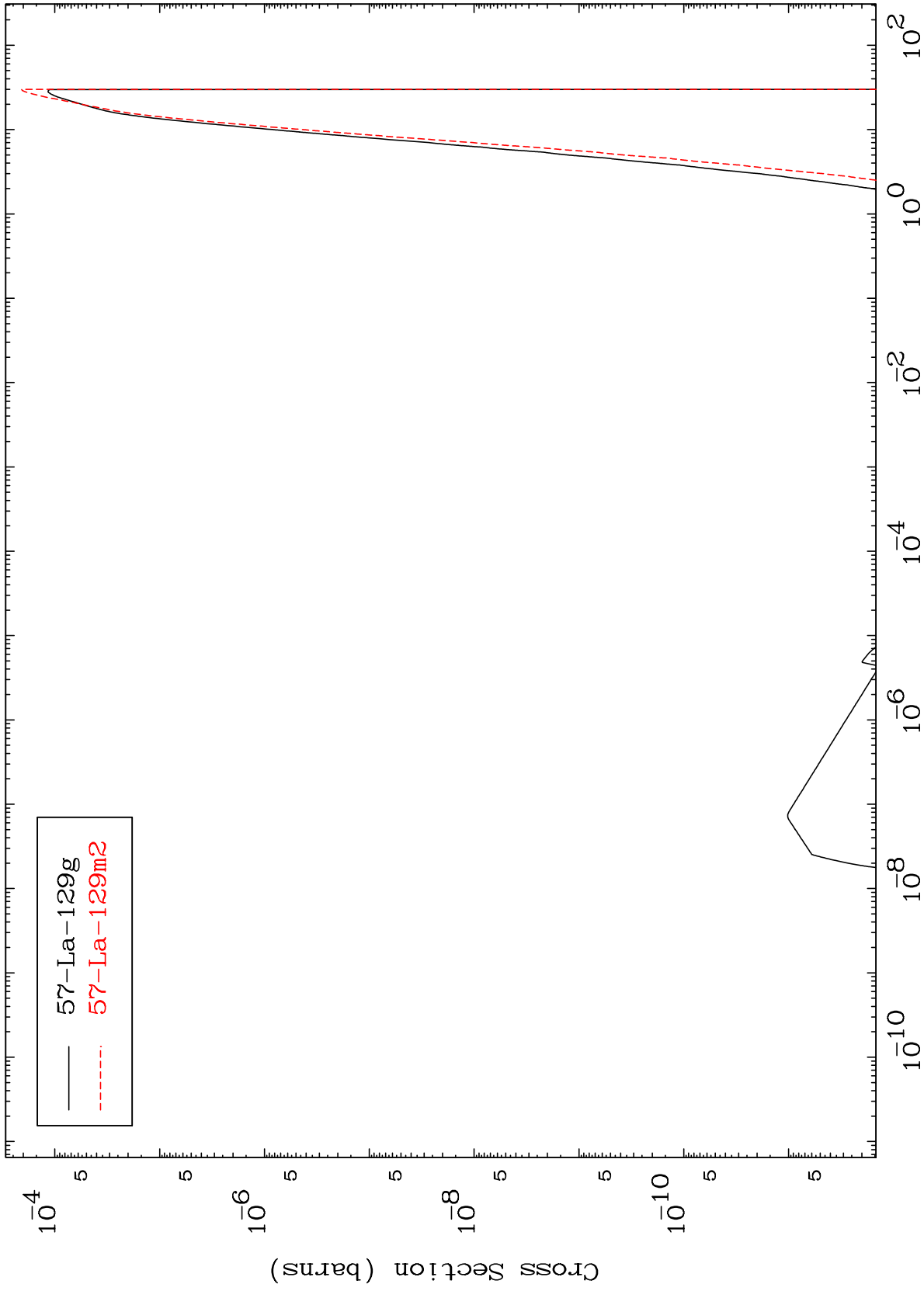
61-Pm-136

MAT 6117

(n,2α)

61-Pm-136

Radionuclide Production Cross Section



33

Incident Energy (MeV)

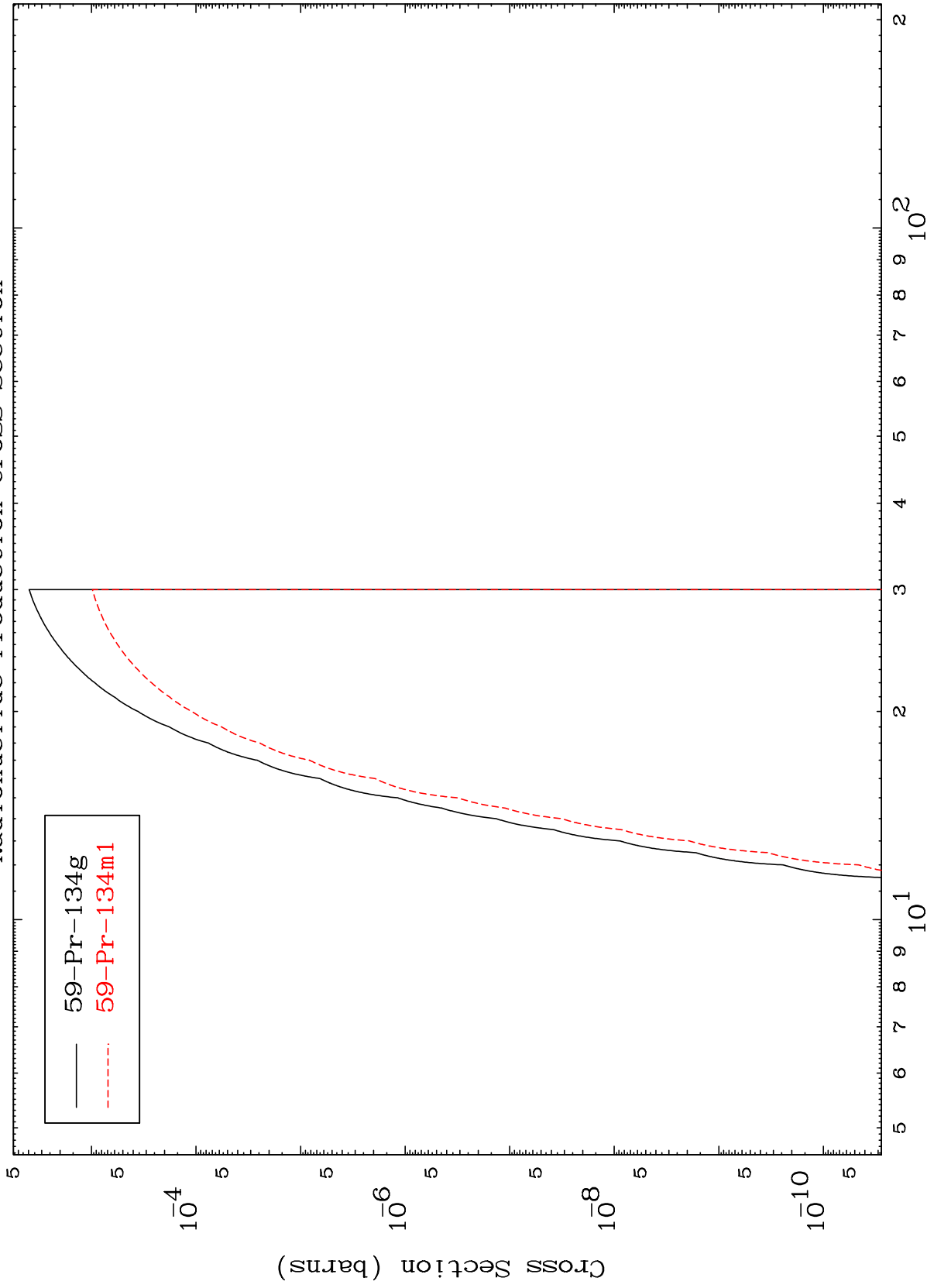
61-Pm-136

MAT 6117

(n,p) d

61-Pm-136

Radionuclide Production Cross Section



34

Incident Energy (MeV)

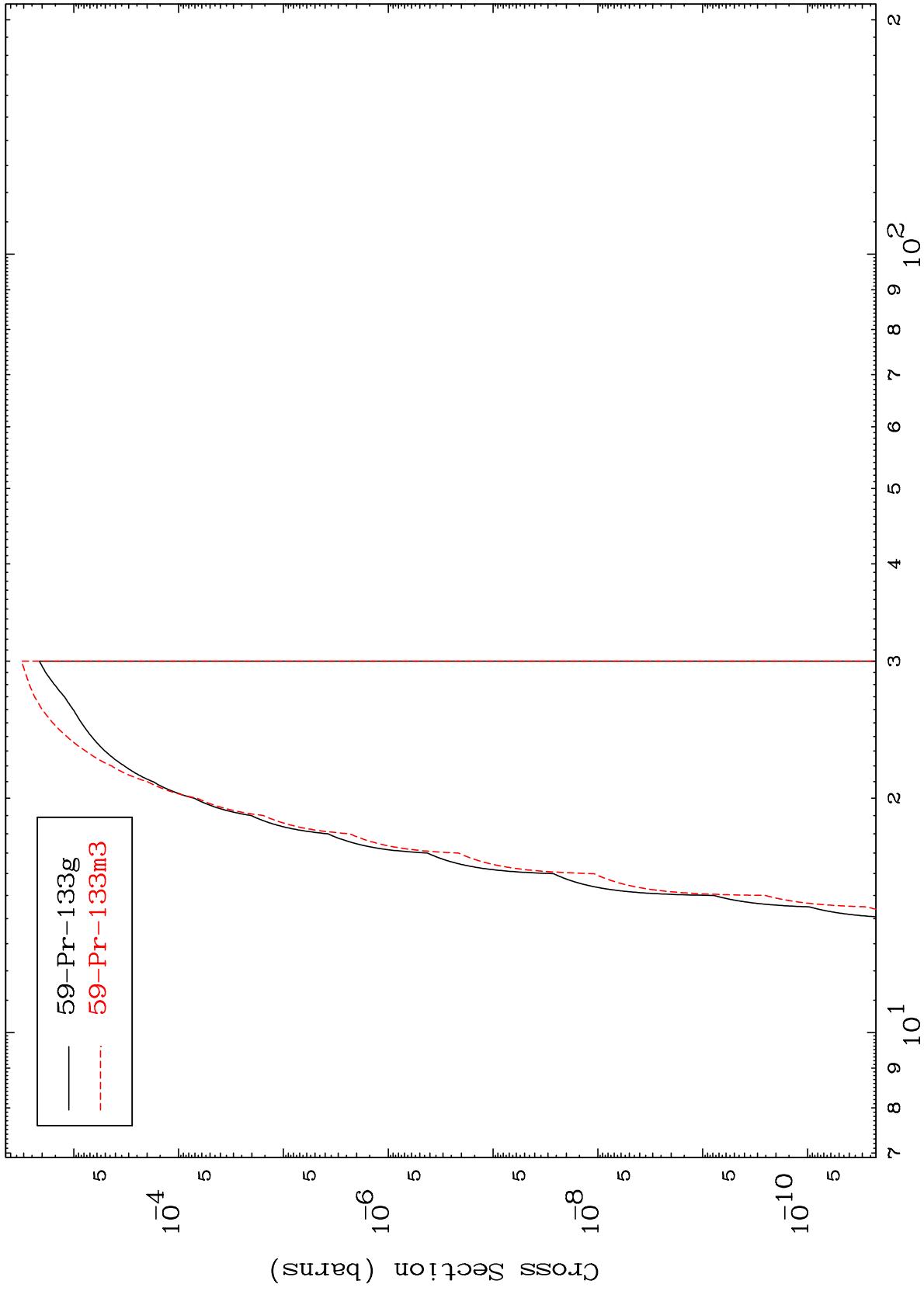
61-Pm-136

MAT 6117

(n,p) t

61-Pm-136

Radionuclide Production Cross Section



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

35

Incident Energy (MeV)

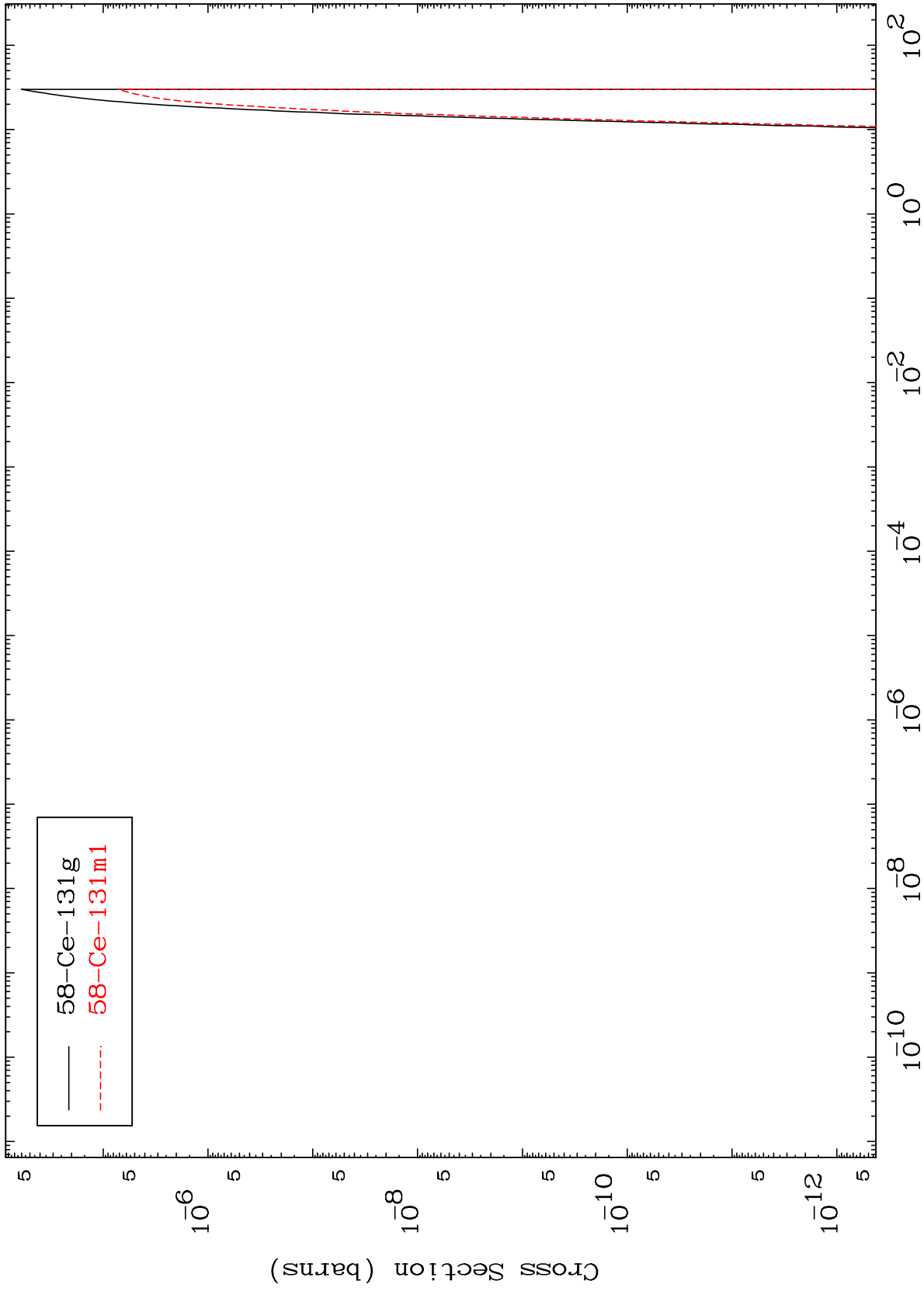
61-Pm-136

MAT 6117

(n,d) α

61-Pm-136

Radionuclide Production Cross Section



36

Incident Energy (MeV)

61-Pm-136