

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

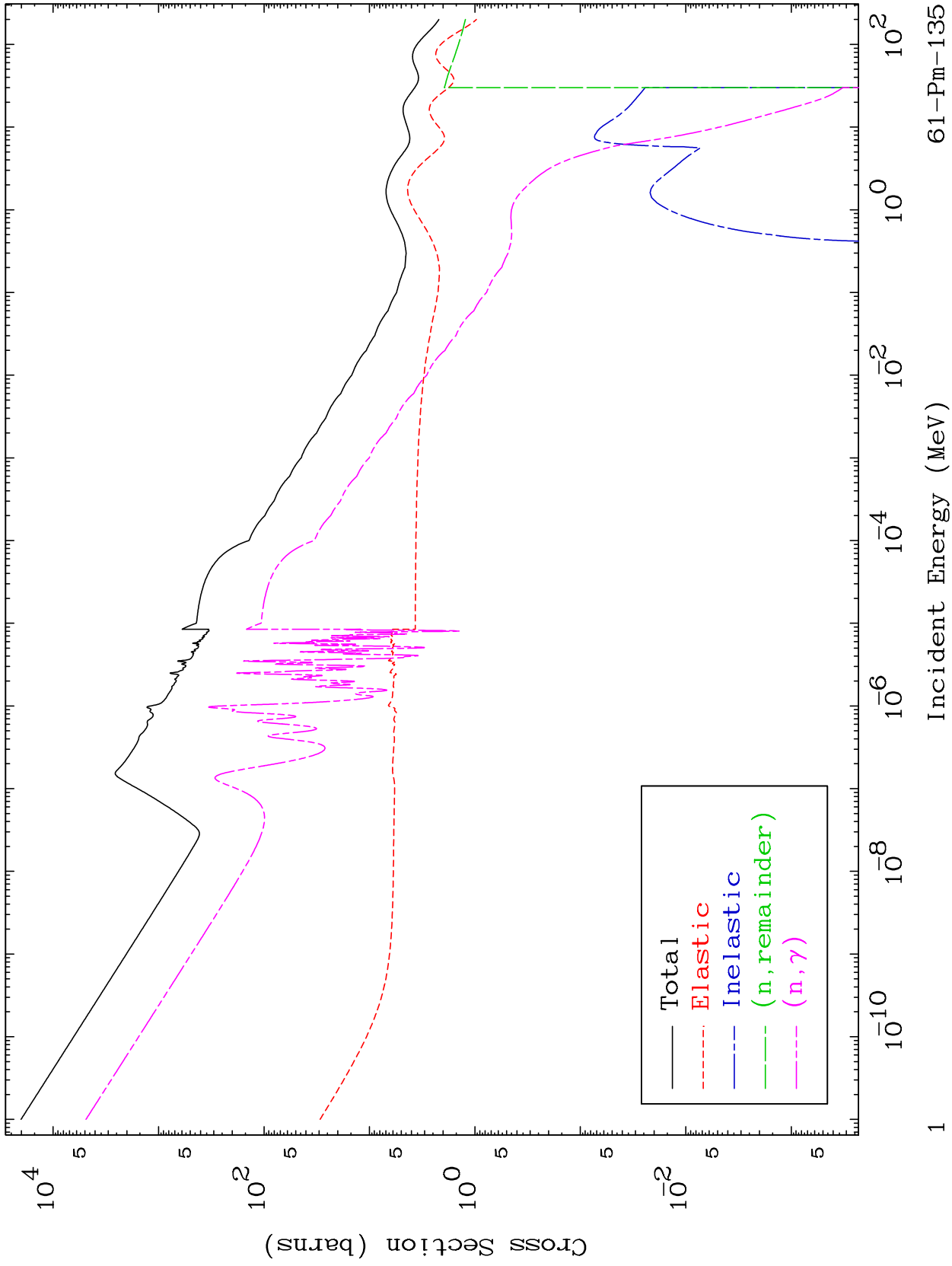
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6113

Major
293 Kelvin Cross Sections

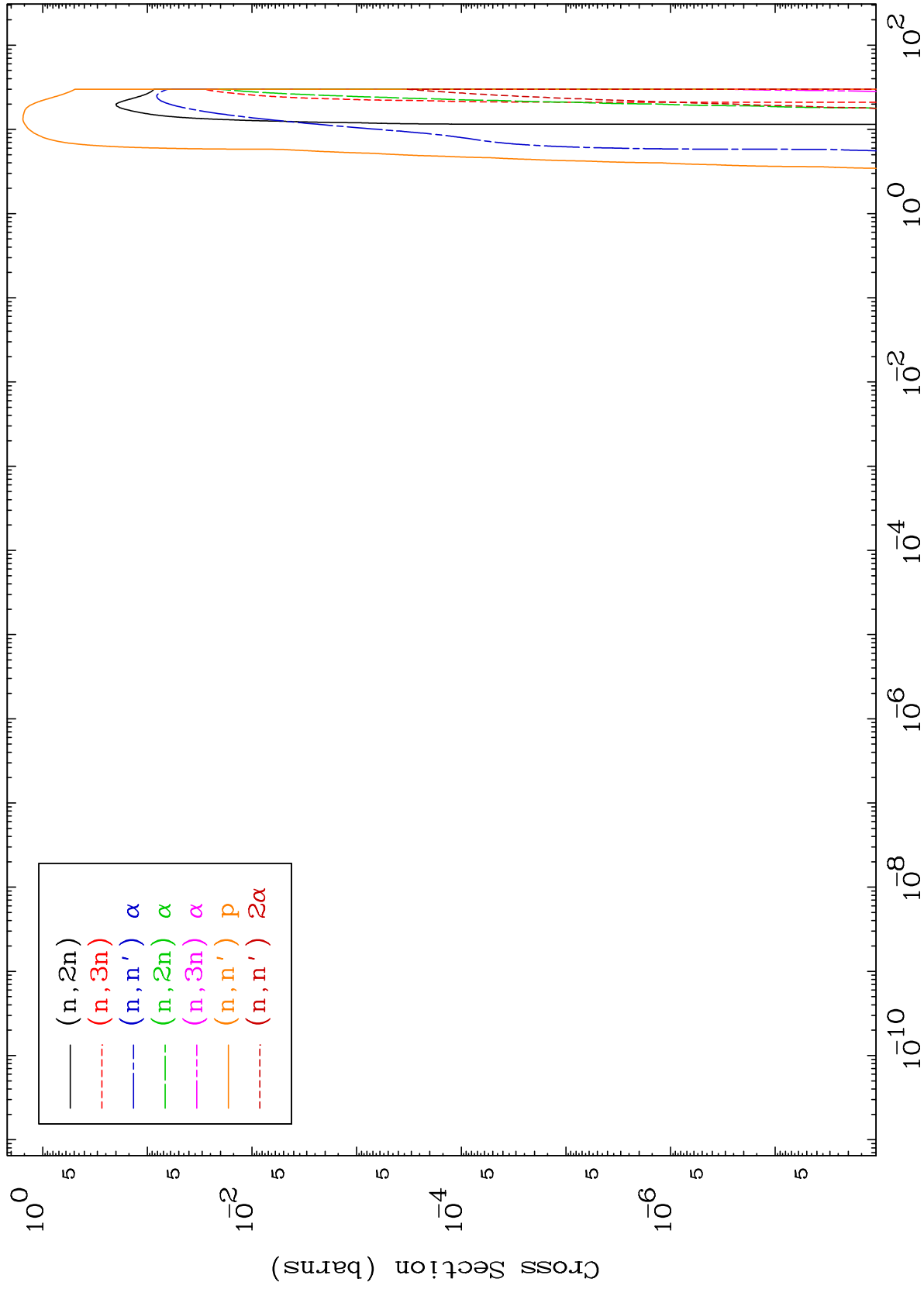
61-Pm-135



MAT 6113

Neutron Production
293 Kelvin Cross Sections

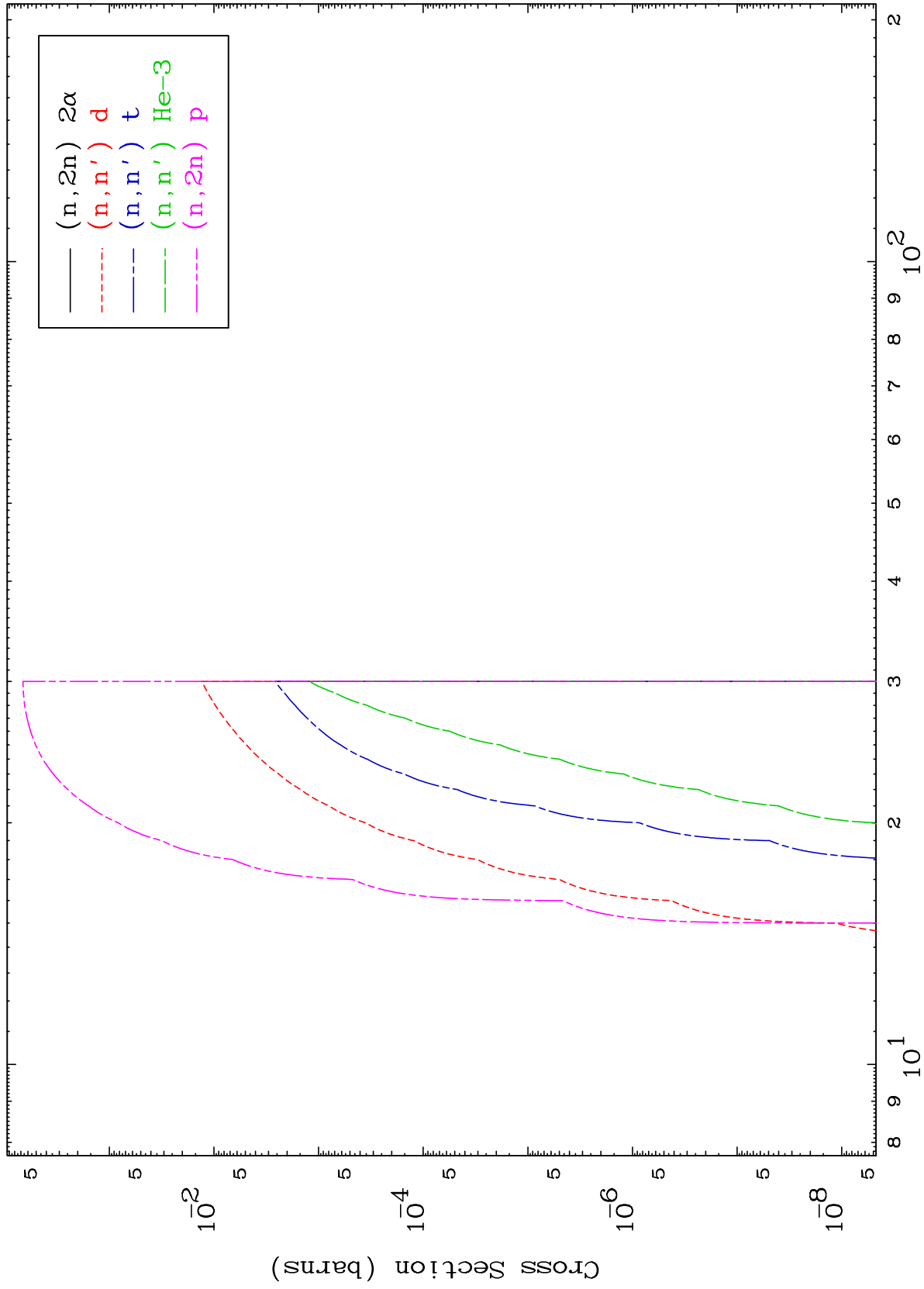
61-Pm-135



2

Incident Energy (MeV)

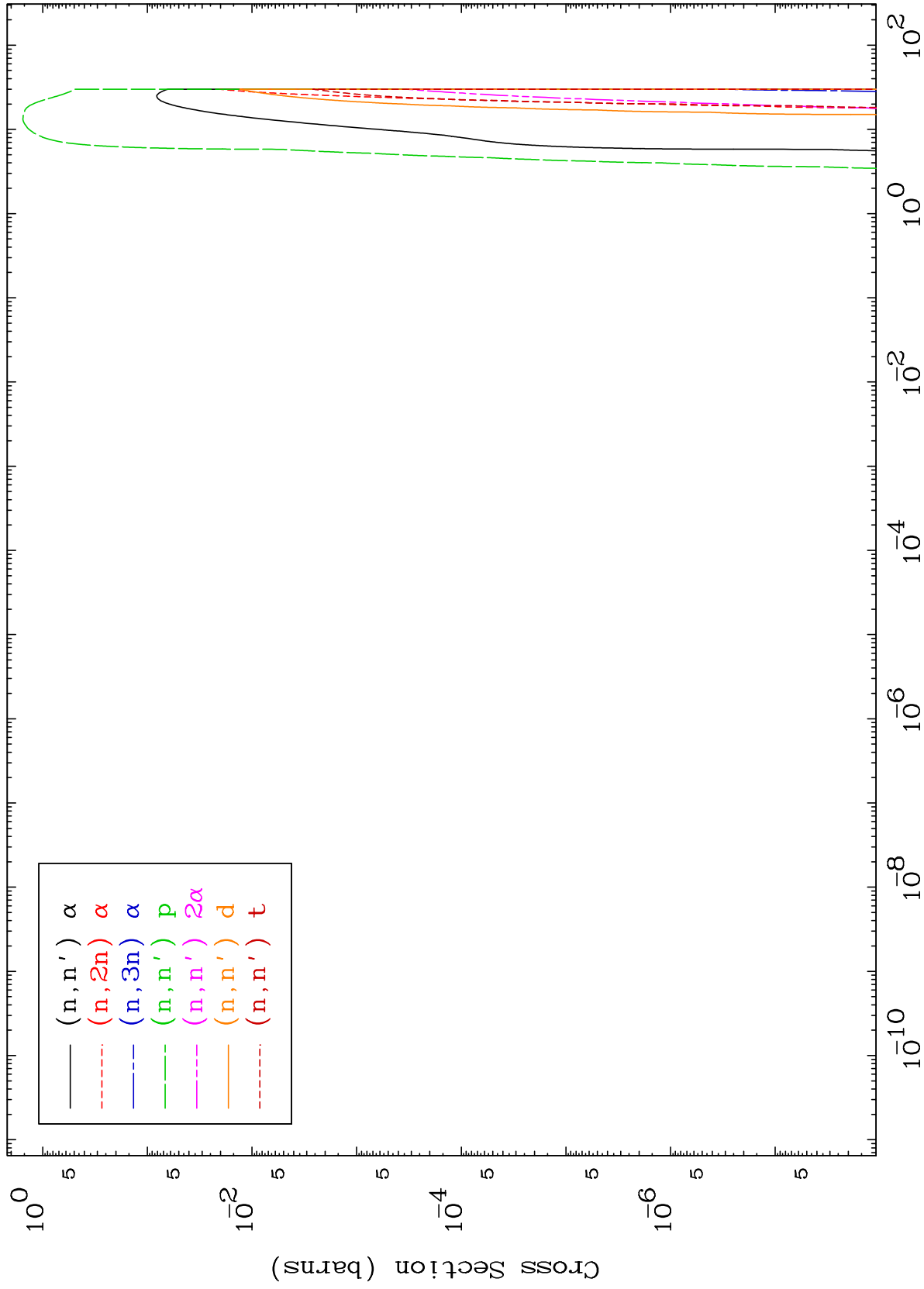
61-Pm-135



MAT 6113

293 Charged Particle
Kelvin Cross Sections

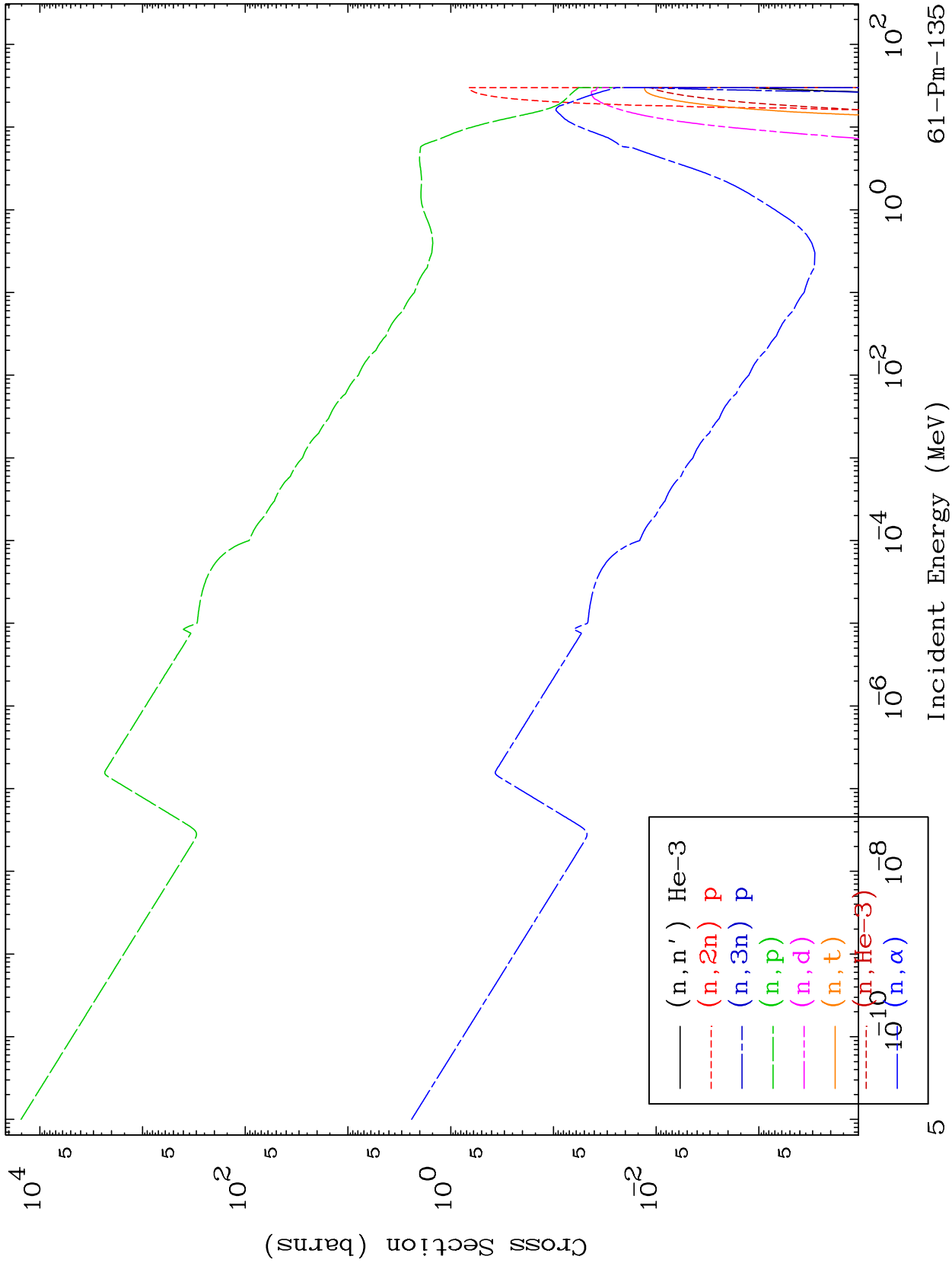
61-Pm-135



MAT 6113

Charged Particle
293 Kelvin Cross Sections

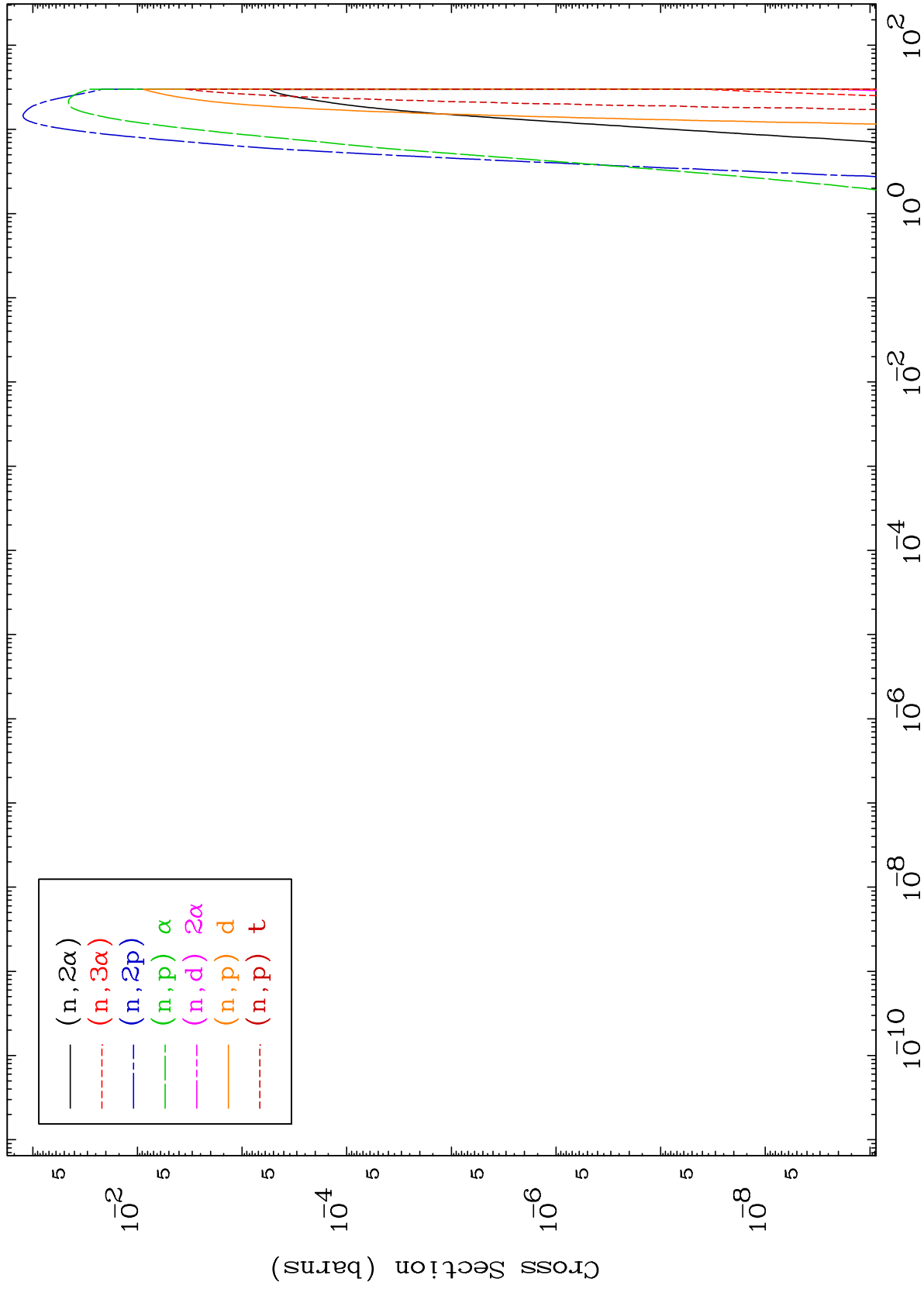
61-Pm-135



MAT 6113

Charged Particle
293 Kelvin Cross Sections

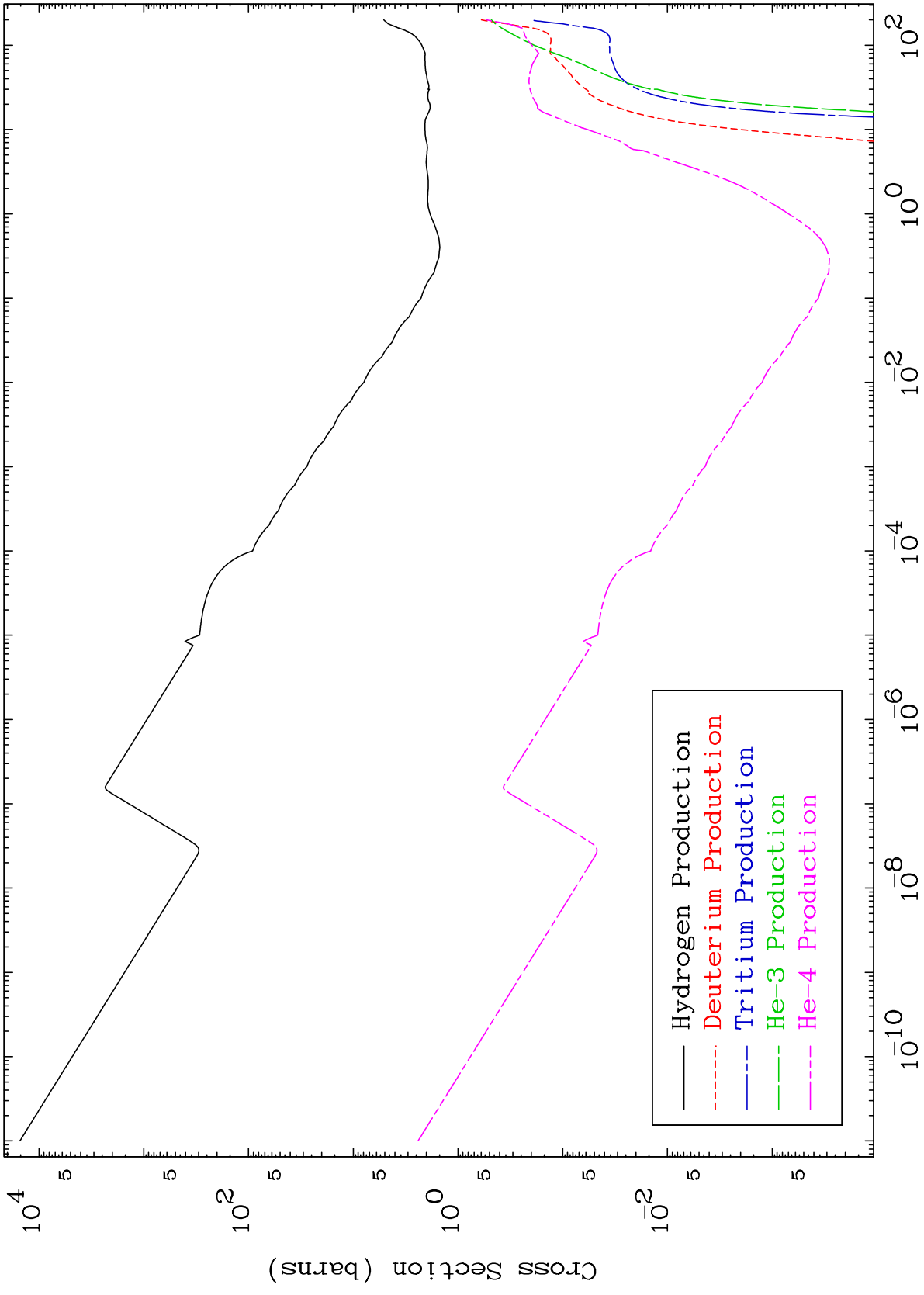
61-Pm-135



MAT 6113

Particle Production
293 Kelvin Cross Sections

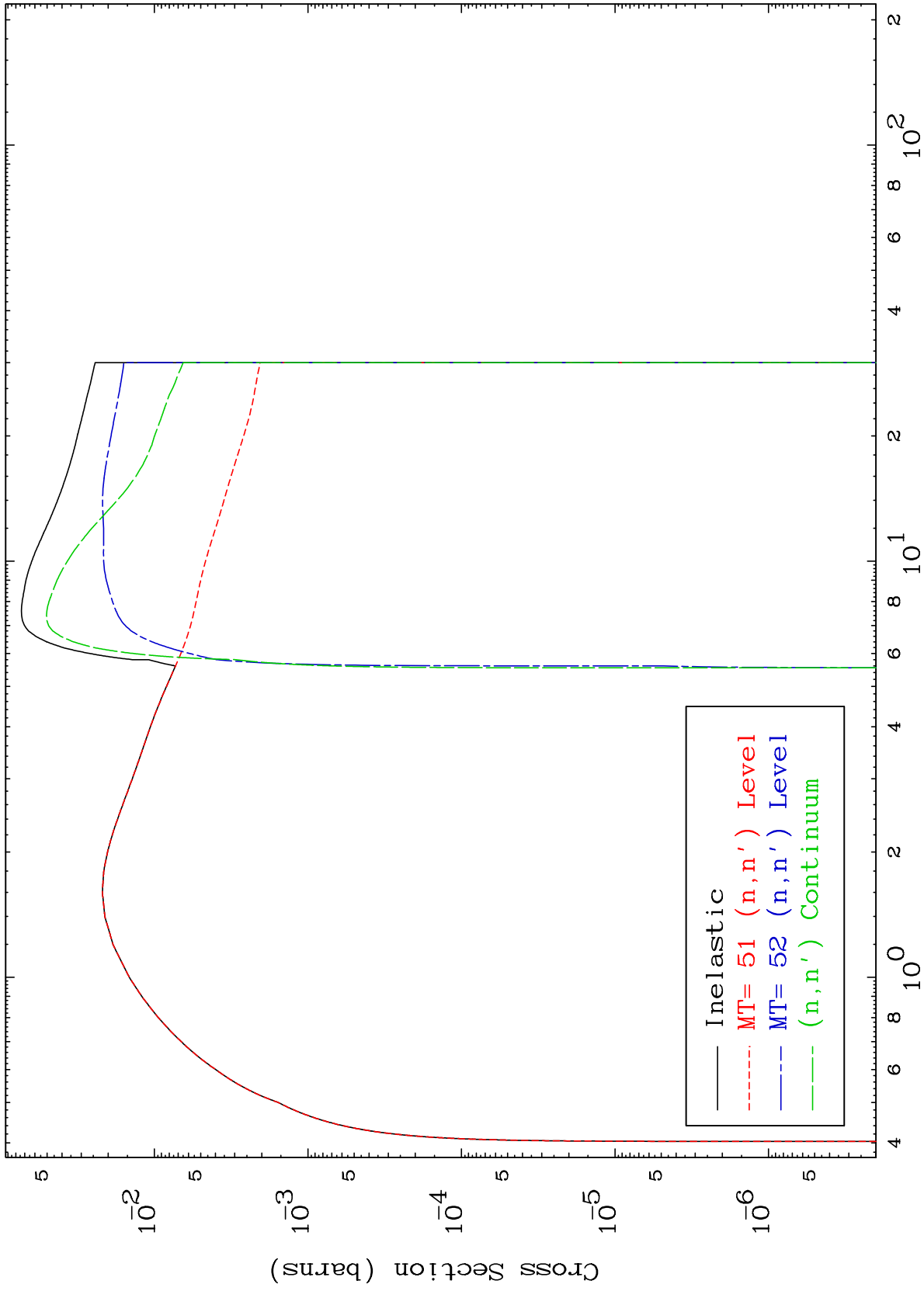
61-Pm-135



MAT 6113

61-Pm-135

293 Kelvin Cross Sections
(n,n') Level



8

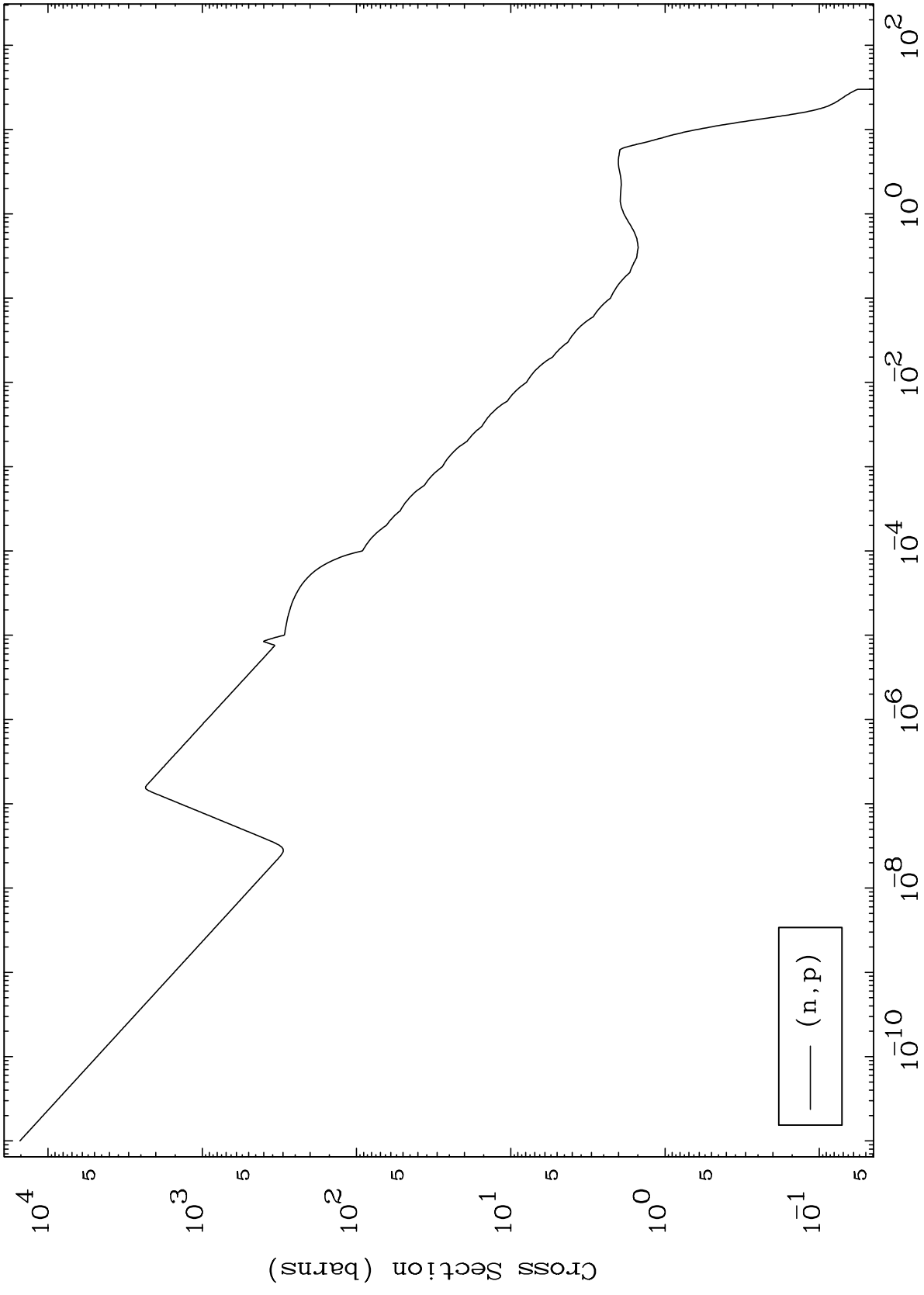
Incident Energy (MeV)

61-Pm-135

MAT 6113

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-135



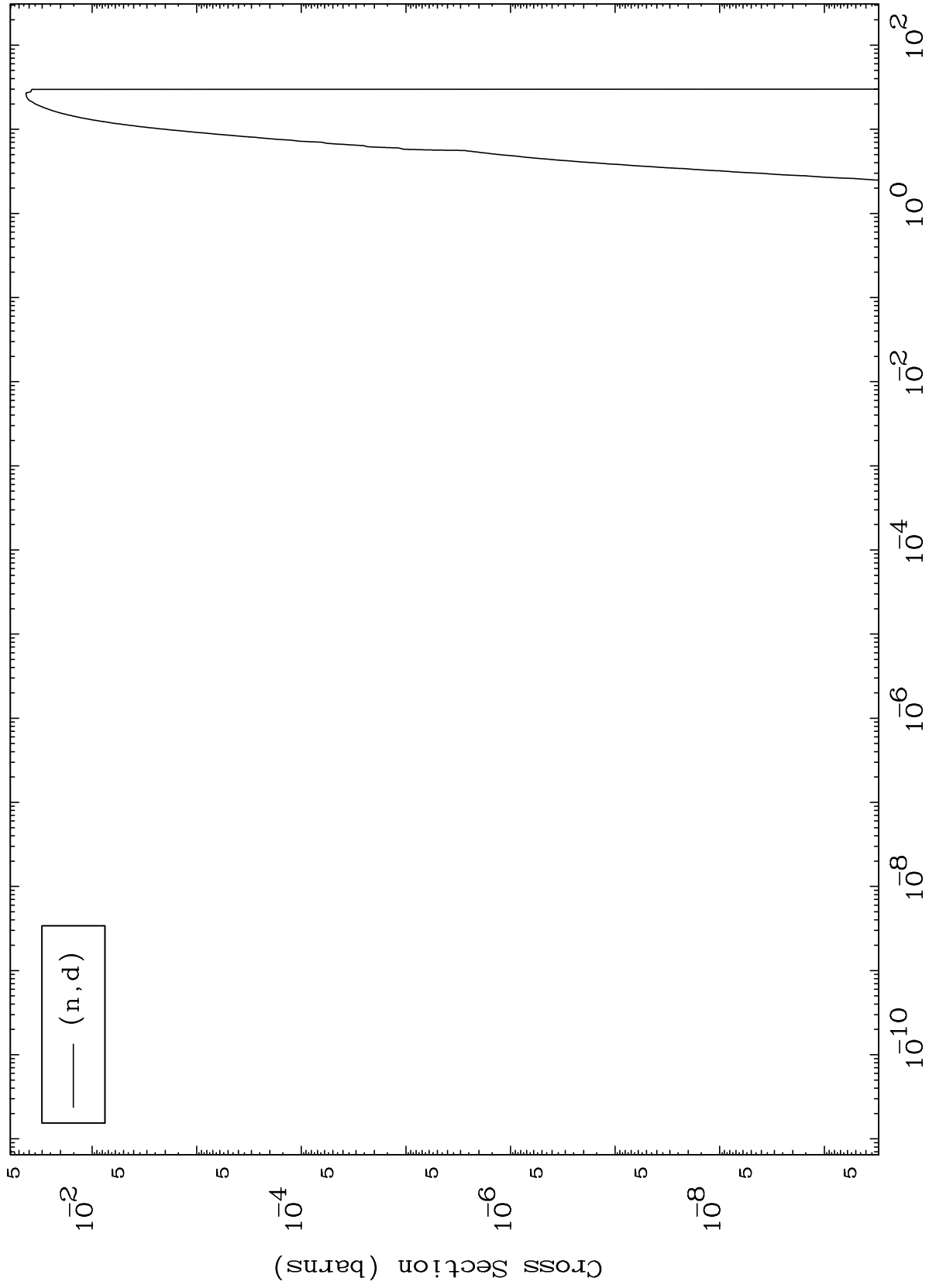
(n,p)

61-Pm-135

MAT 6113

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-135



10

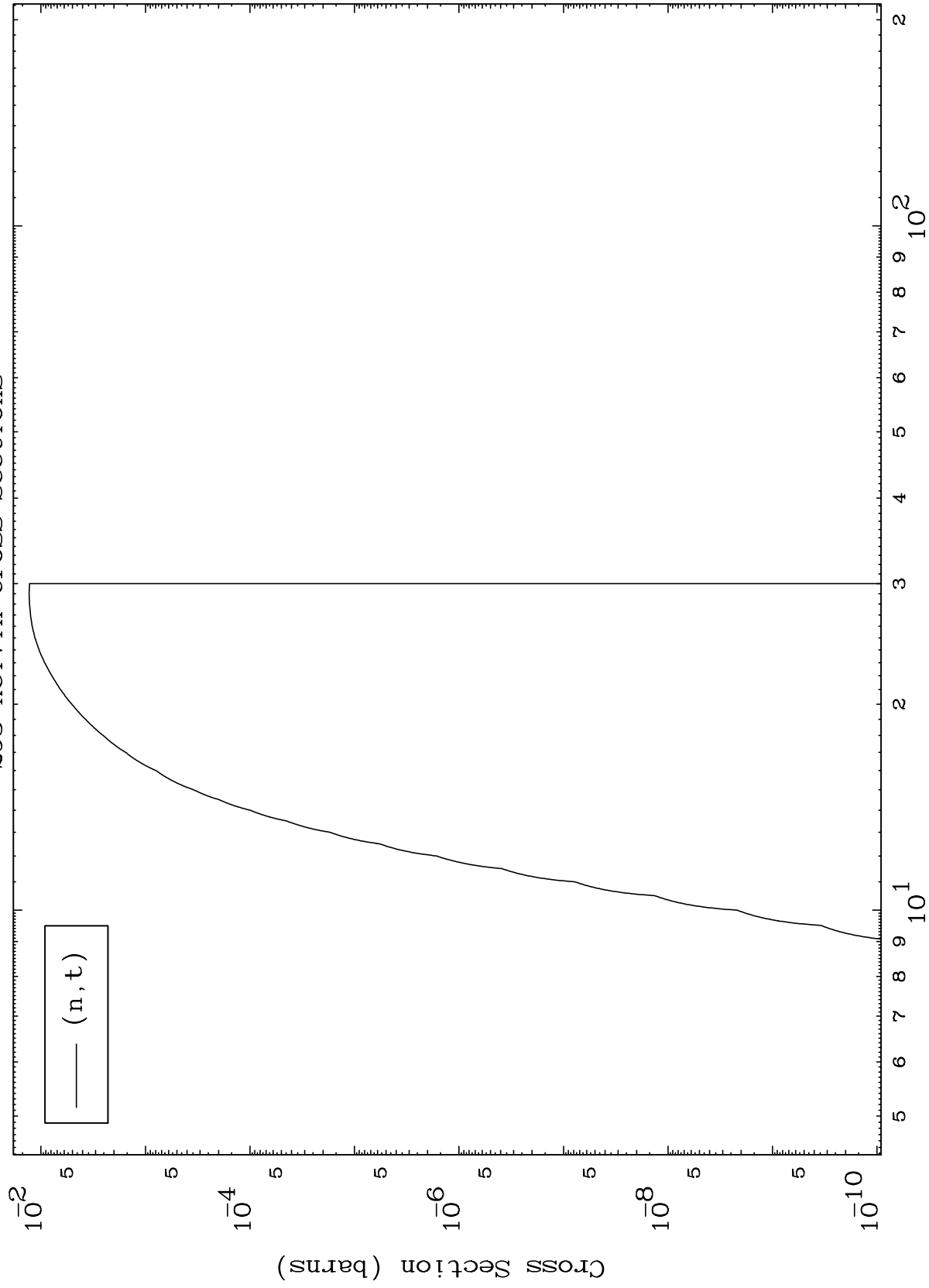
Incident Energy (MeV)

61-Pm-135

MAT 6113

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-135



11

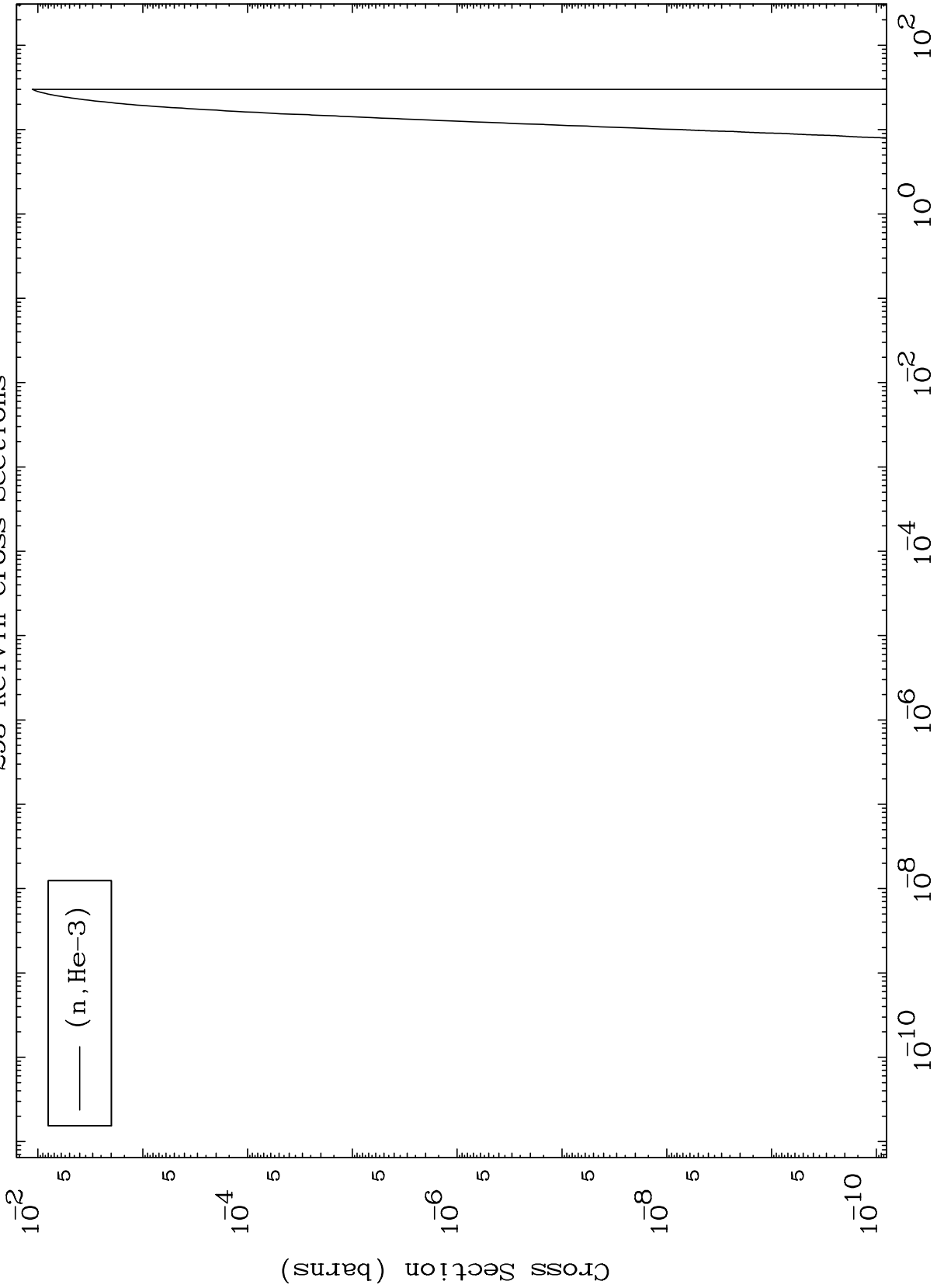
Incident Energy (MeV)

61-Pm-135

MAT 6113

(n,He3) Levels
293 Kelvin Cross Sections

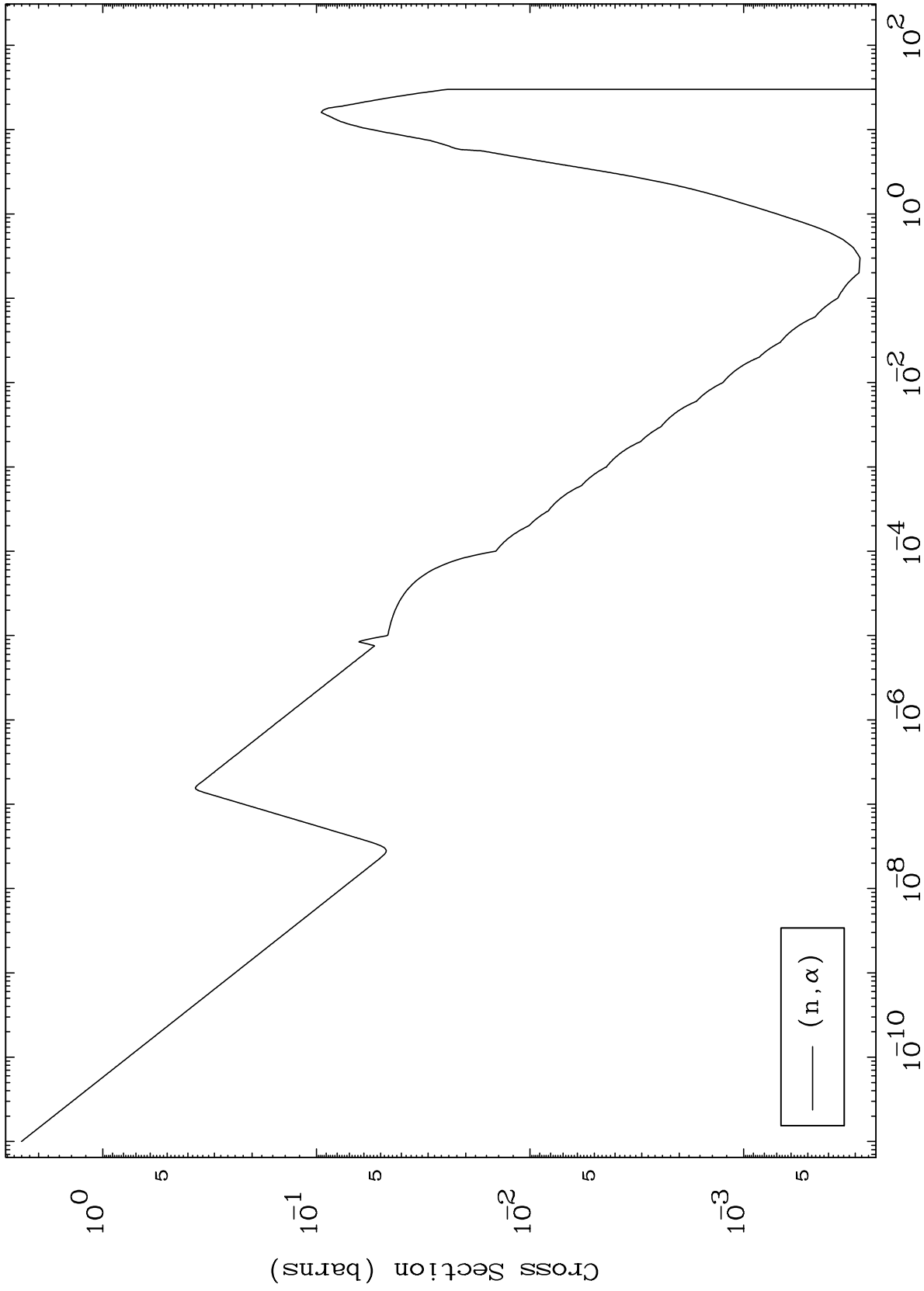
61-Pm-135



MAT 6113

(n,α) Levels
293 Kelvin Cross Sections

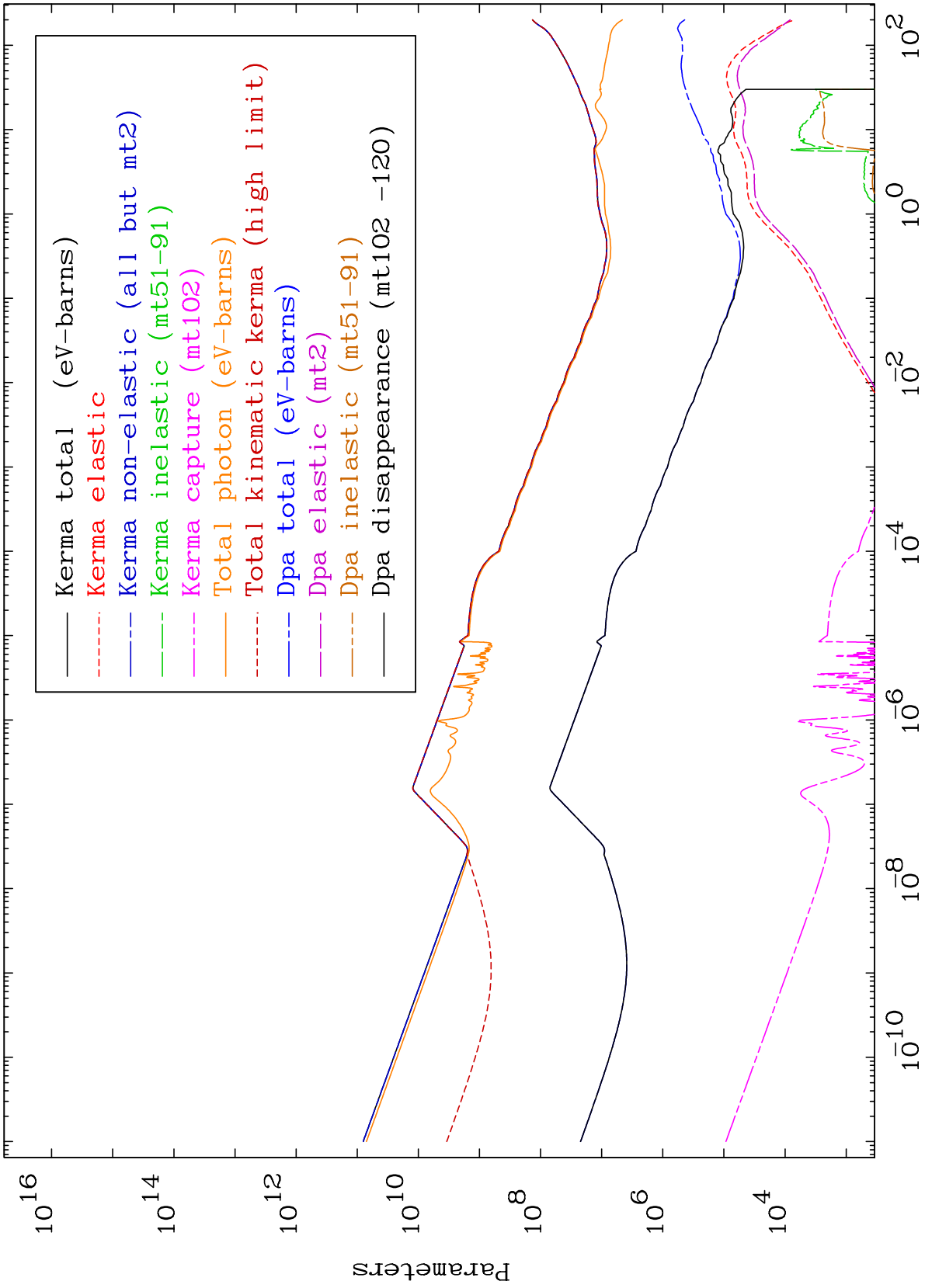
61-Pm-135



13

Incident Energy (MeV)

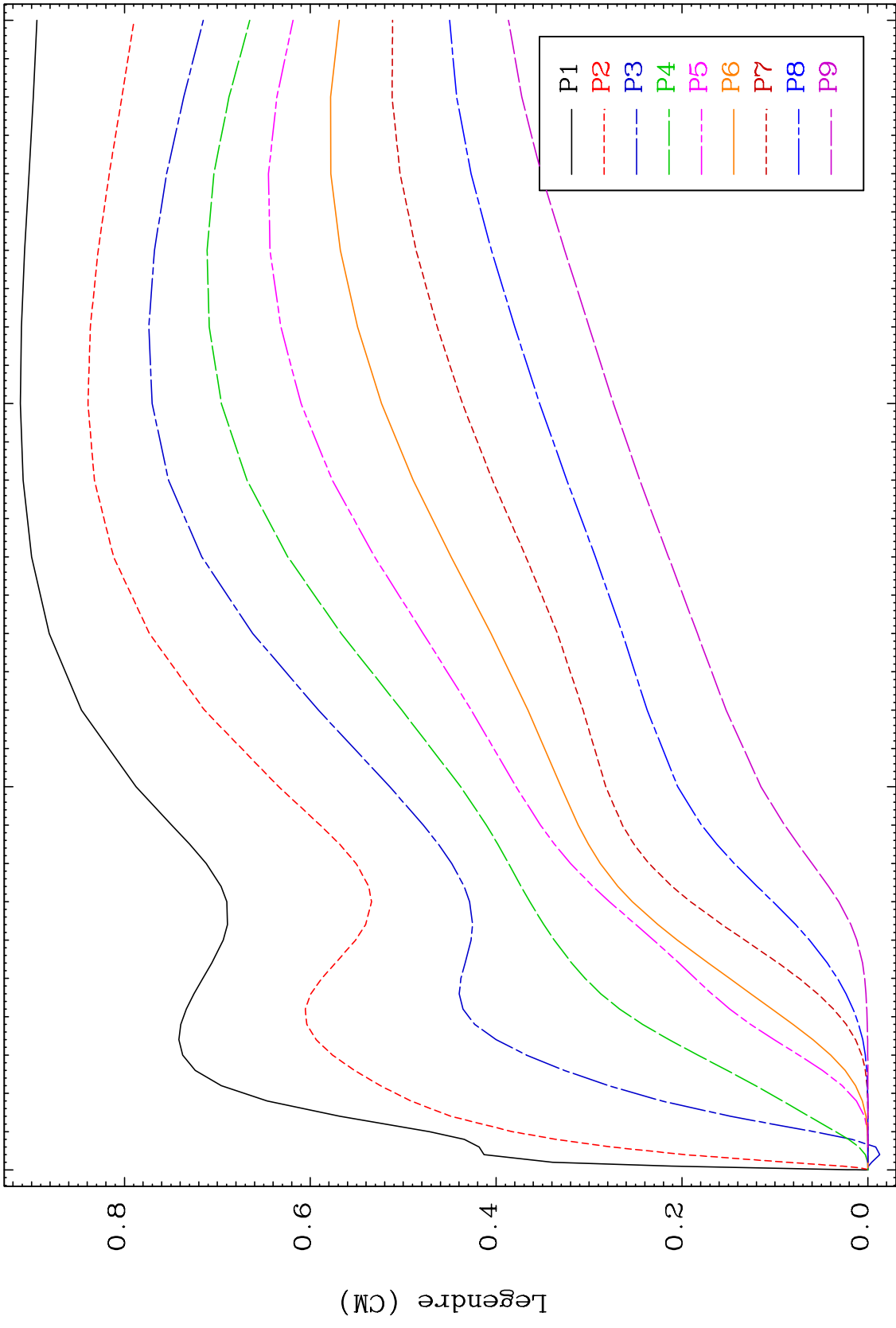
61-Pm-135



MAT 6113

Elastic Legendre Coefficients

61-Pm-135



15

Incident Energy (MeV)

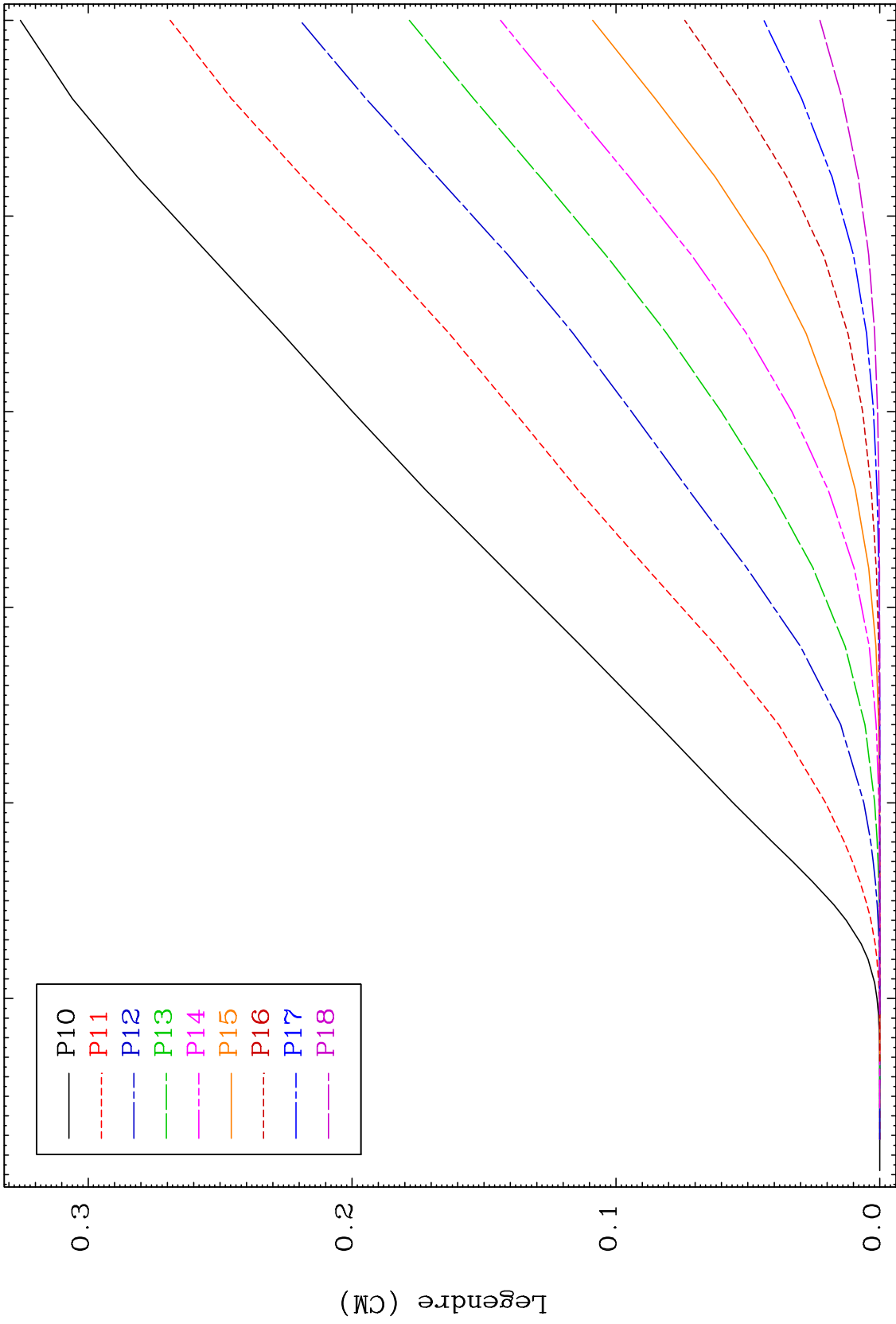
61-Pm-135

30

MAT 6113

Elastic Legendre Coefficients

61-Pm-135



16

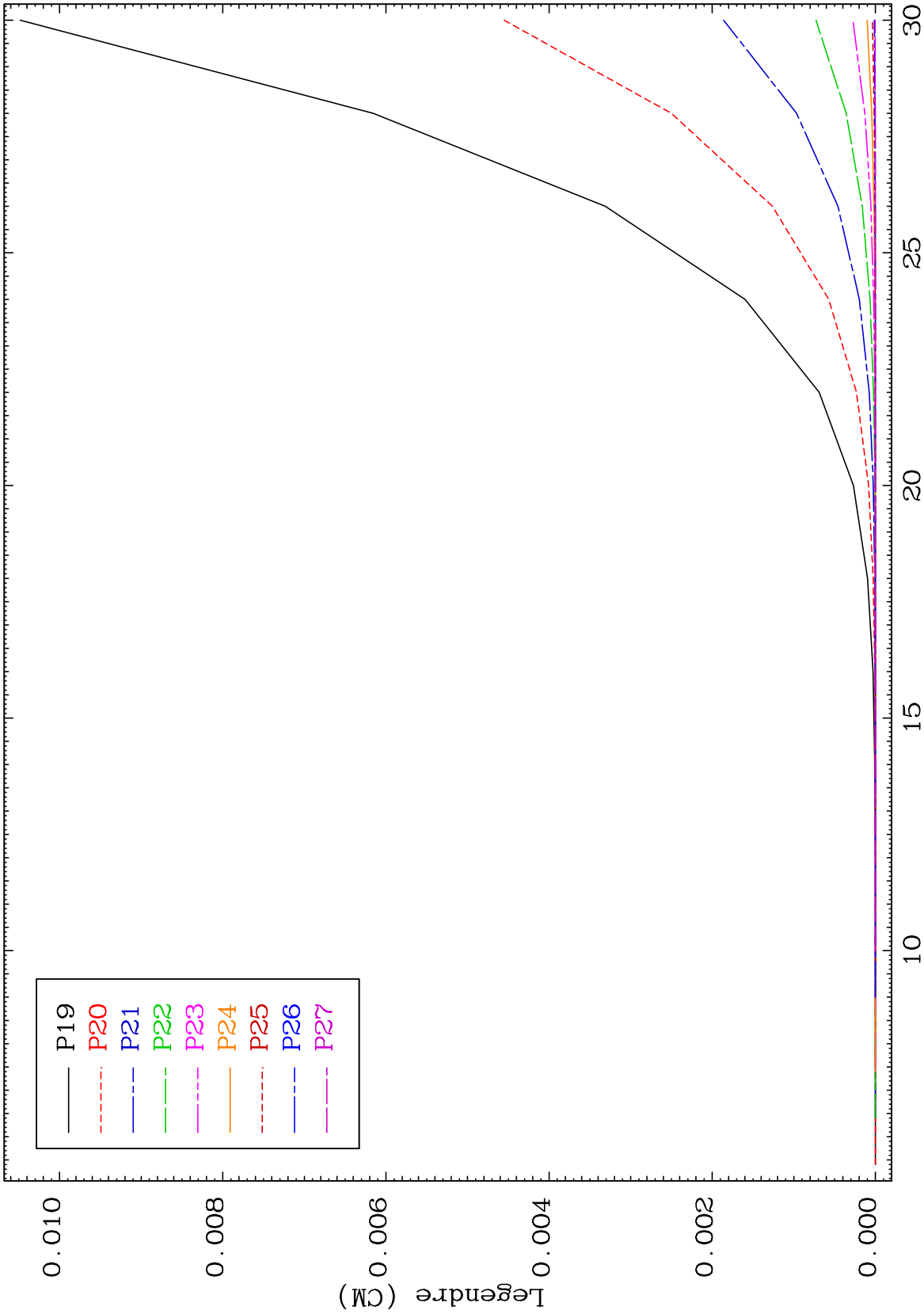
Incident Energy (MeV)

61-Pm-135

MAT 6113

Elastic Legendre Coefficients

61-Pm-135



17

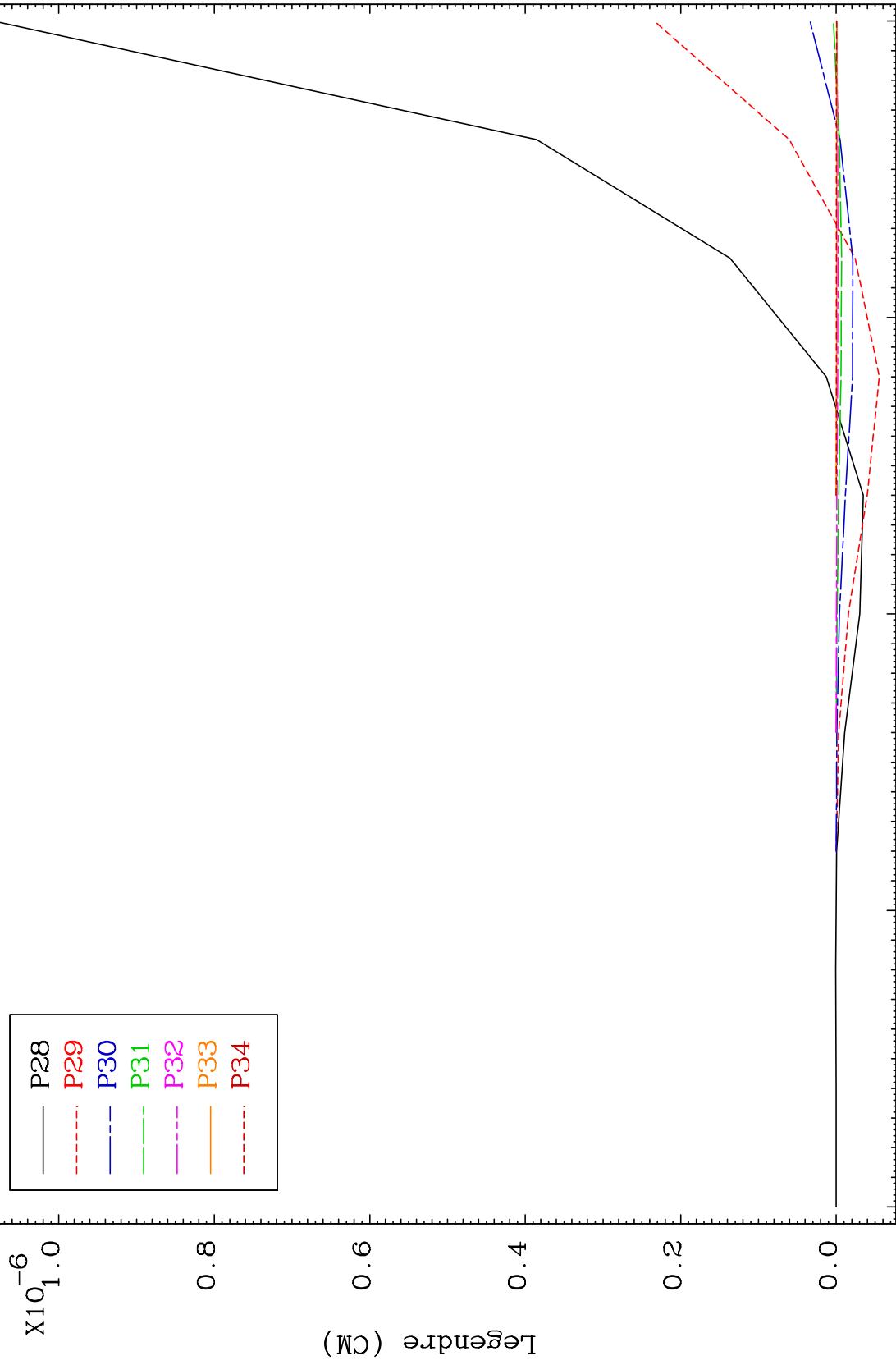
Incident Energy (MeV)

61-Pm-135

MAT 6113

Elastic Legendre Coefficients

61-Pm-135



18

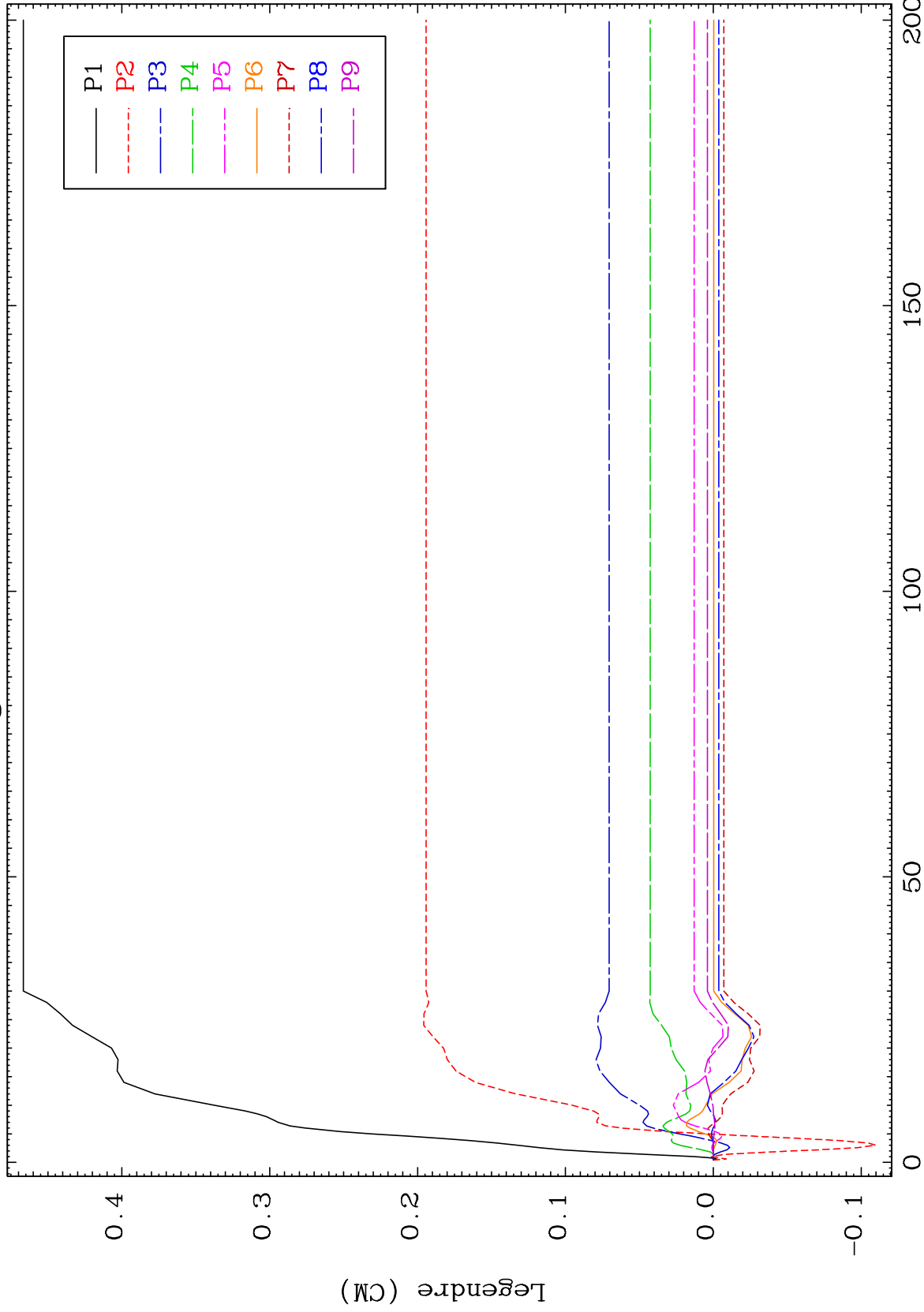
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-135



19

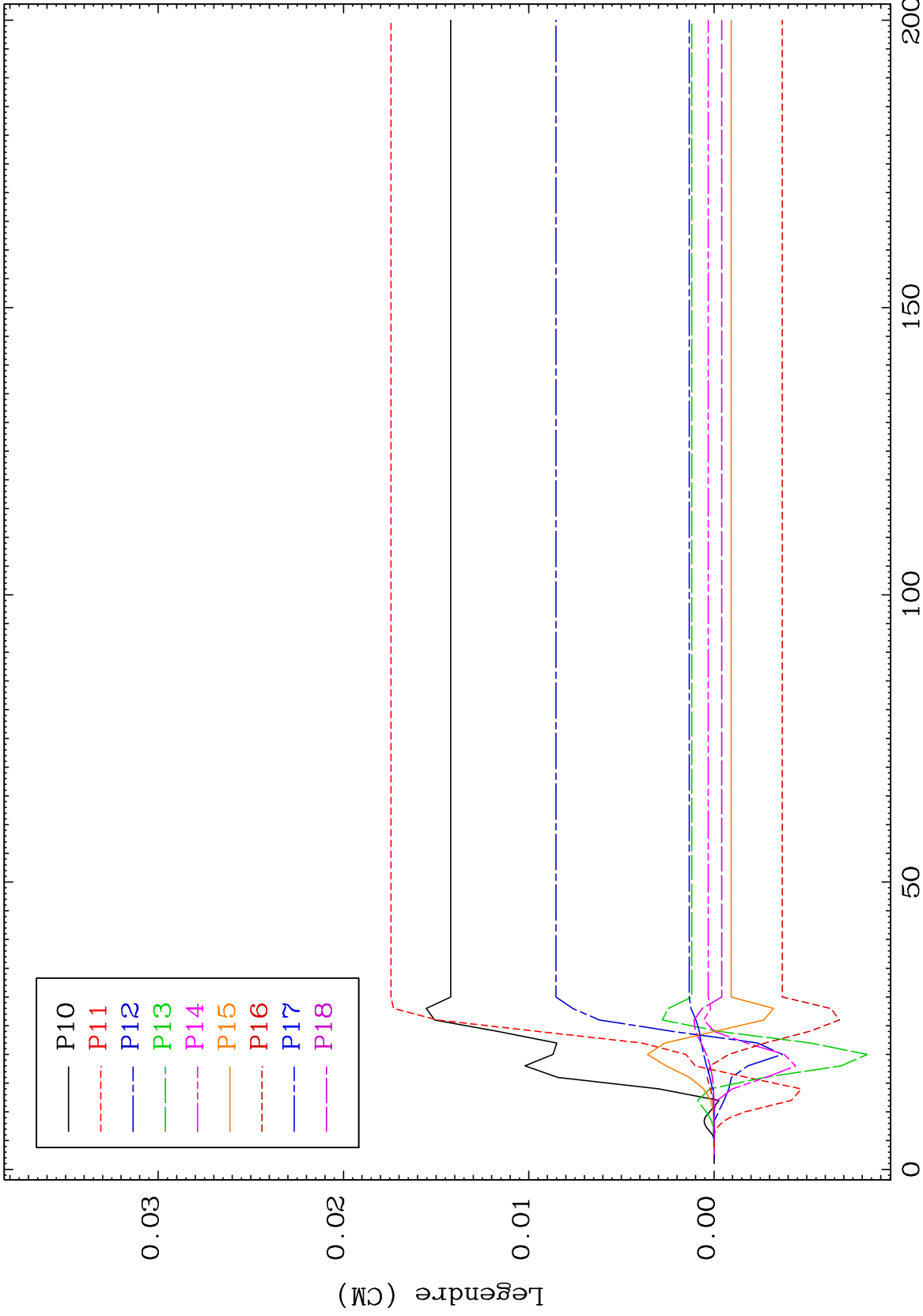
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-135



0

50

100

150

200

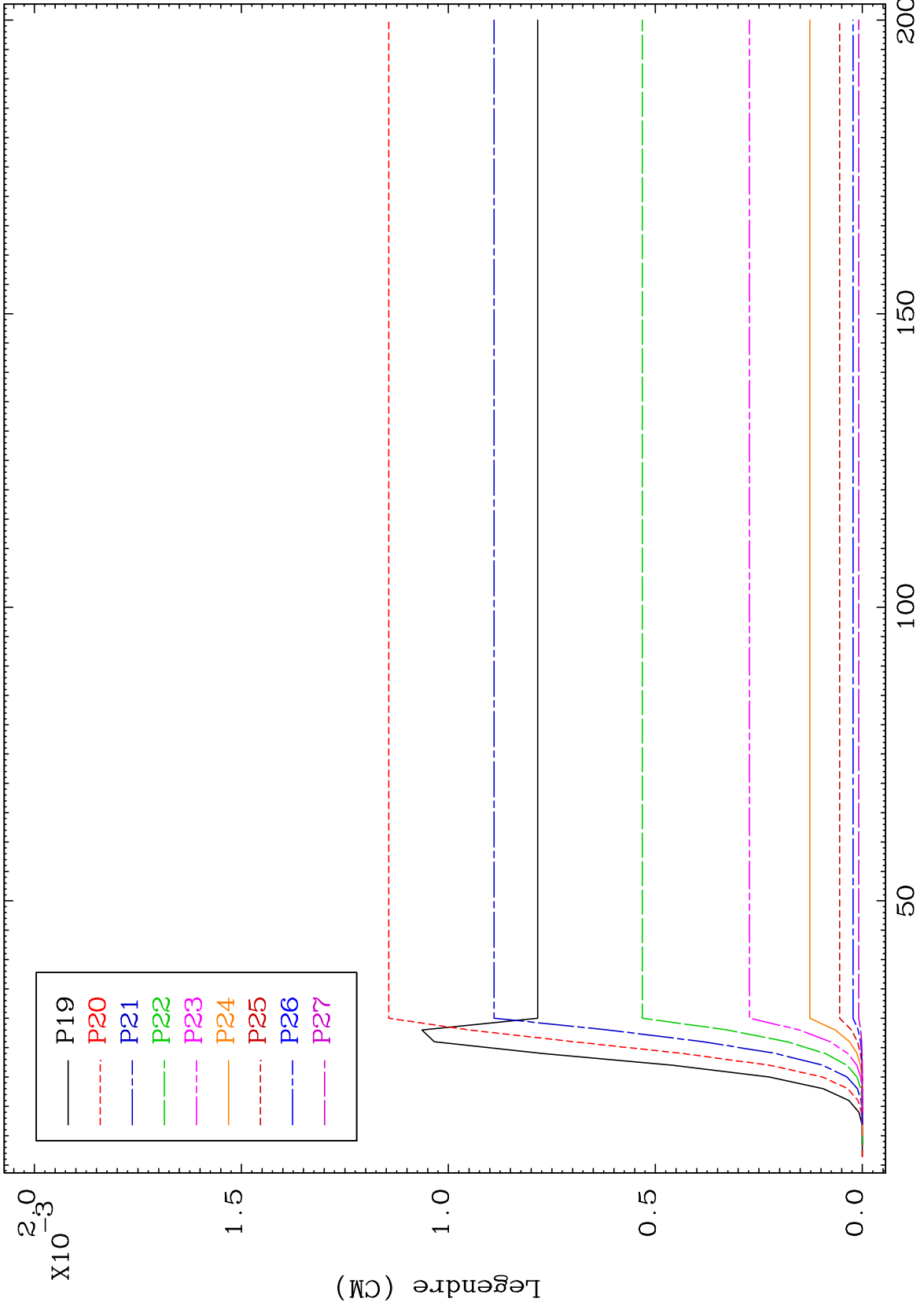
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-135



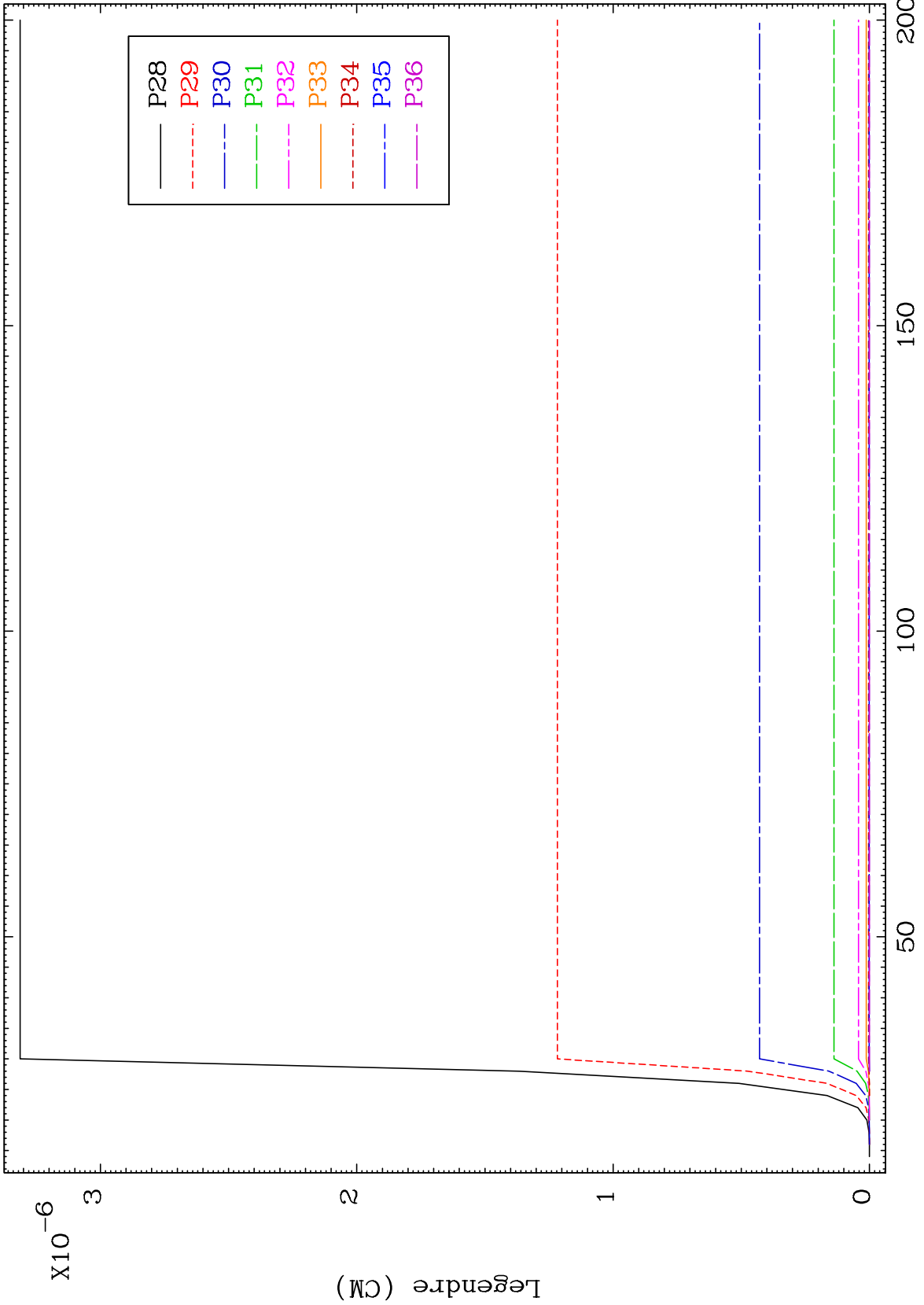
21

61-Pm-135

MAT 6113

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-135

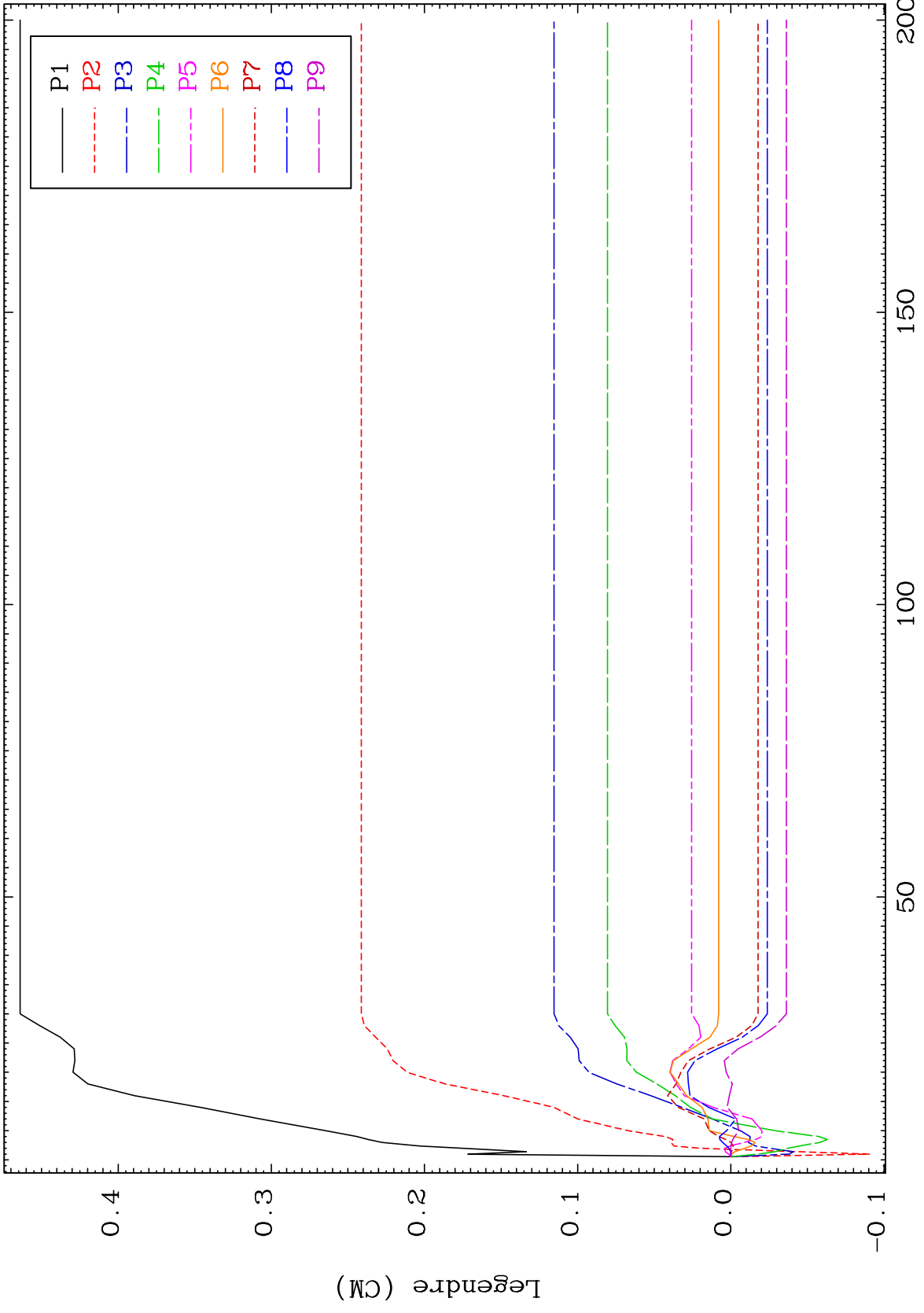


22

61-Pm-135

61-Pm-135

MAT 6113 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-135

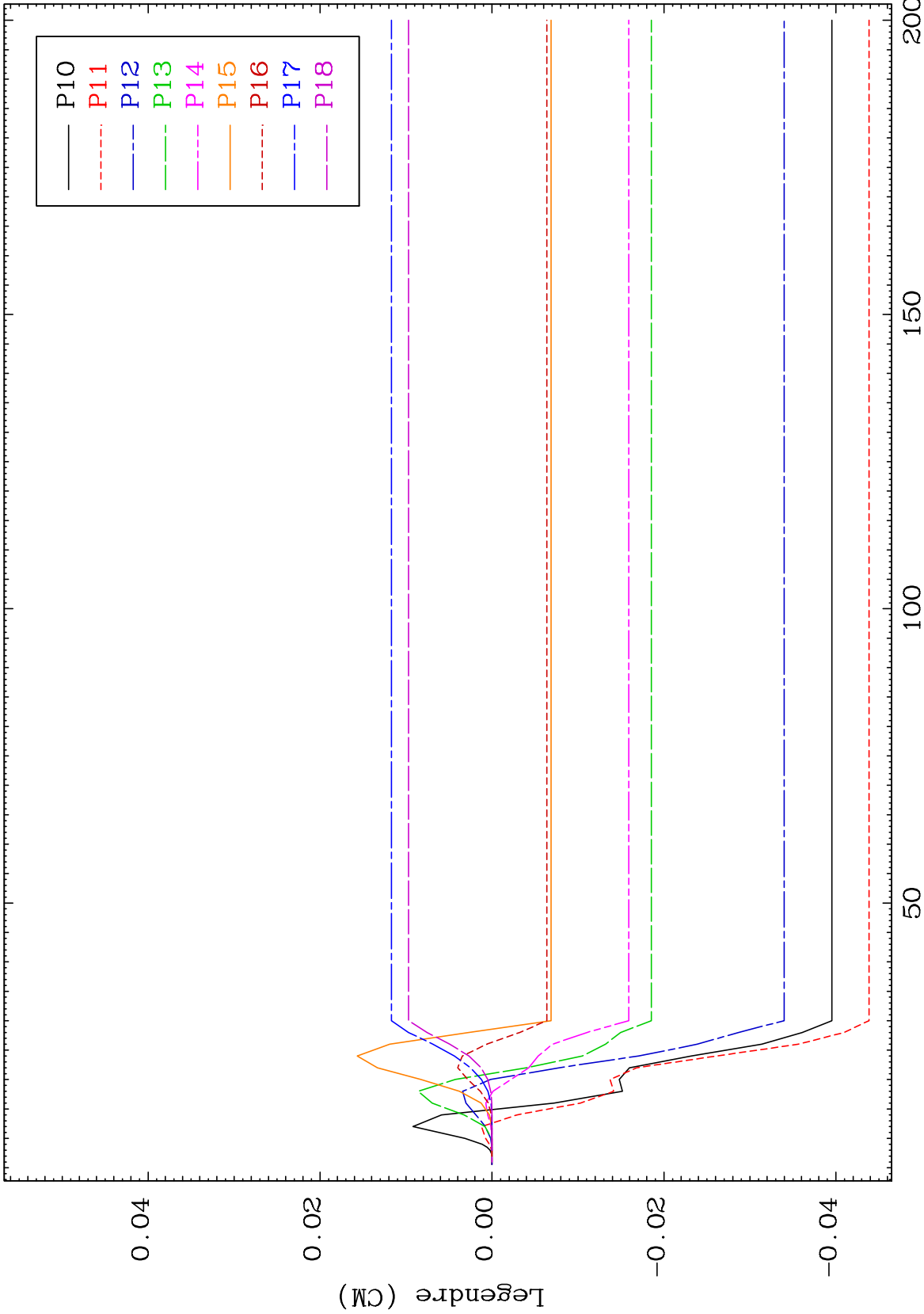


23 Incident Energy (MeV) 61-Pm-135

MAT 6113

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-135



24

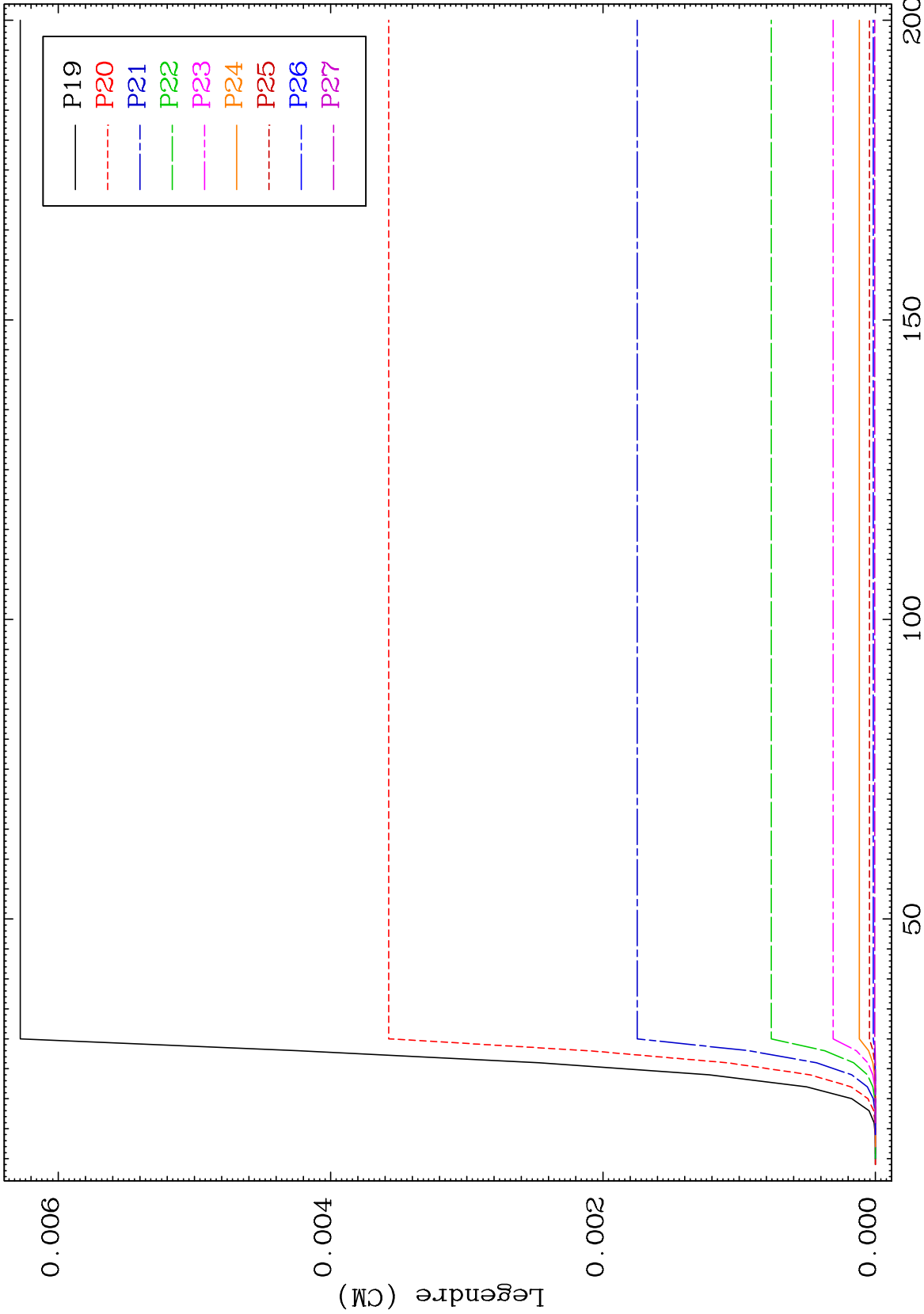
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-135



25

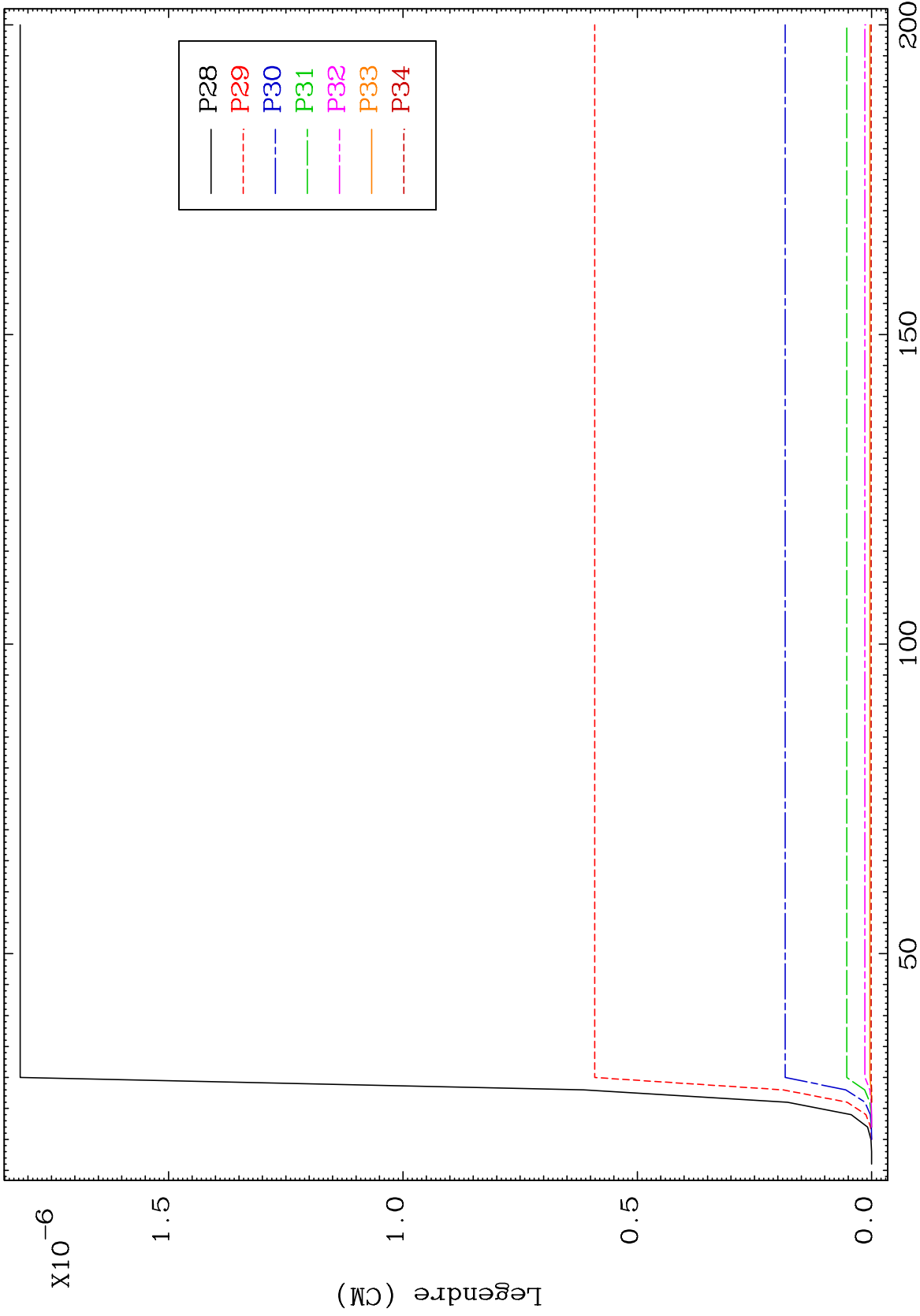
Incident Energy (MeV)

61-Pm-135

MAT 6113

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-135



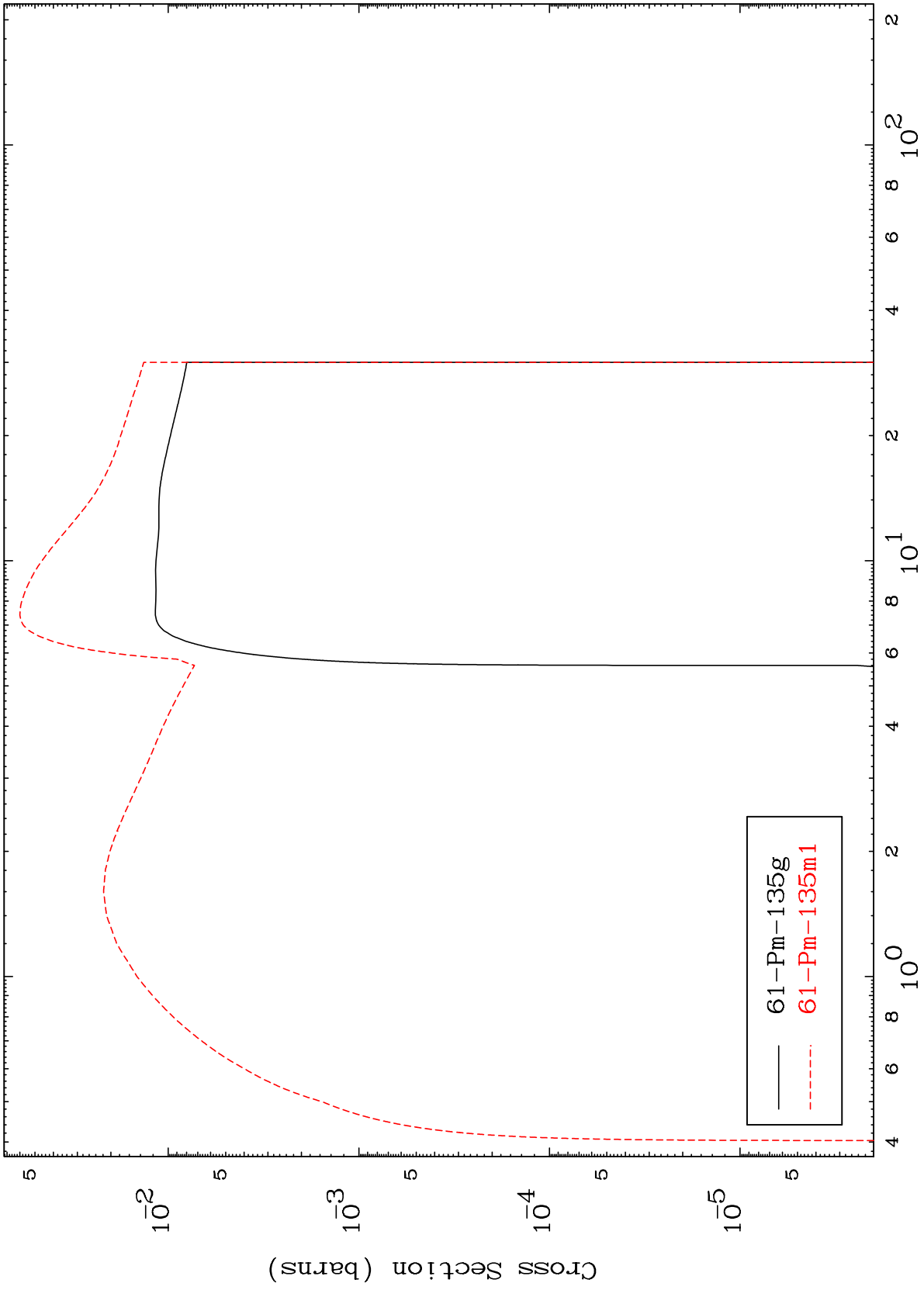
26

61-Pm-135

MAT 6113

Inelastic
Radionuclide Production Cross Section

61-Pm-135



27

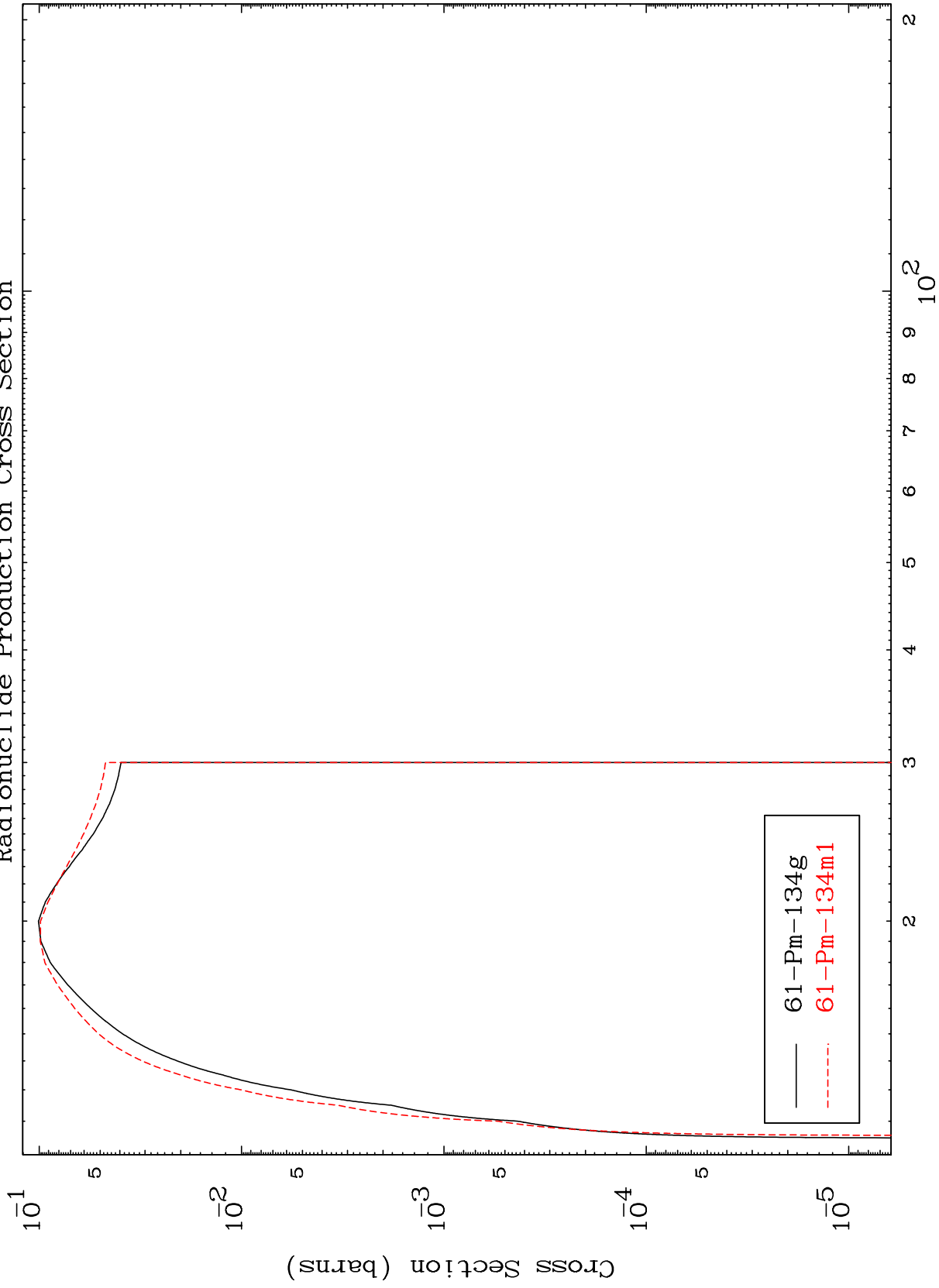
Incident Energy (MeV)

61-Pm-135

MAT 6113

61-Pm-135

(n,2n)
Radionuclide Production Cross Section



28

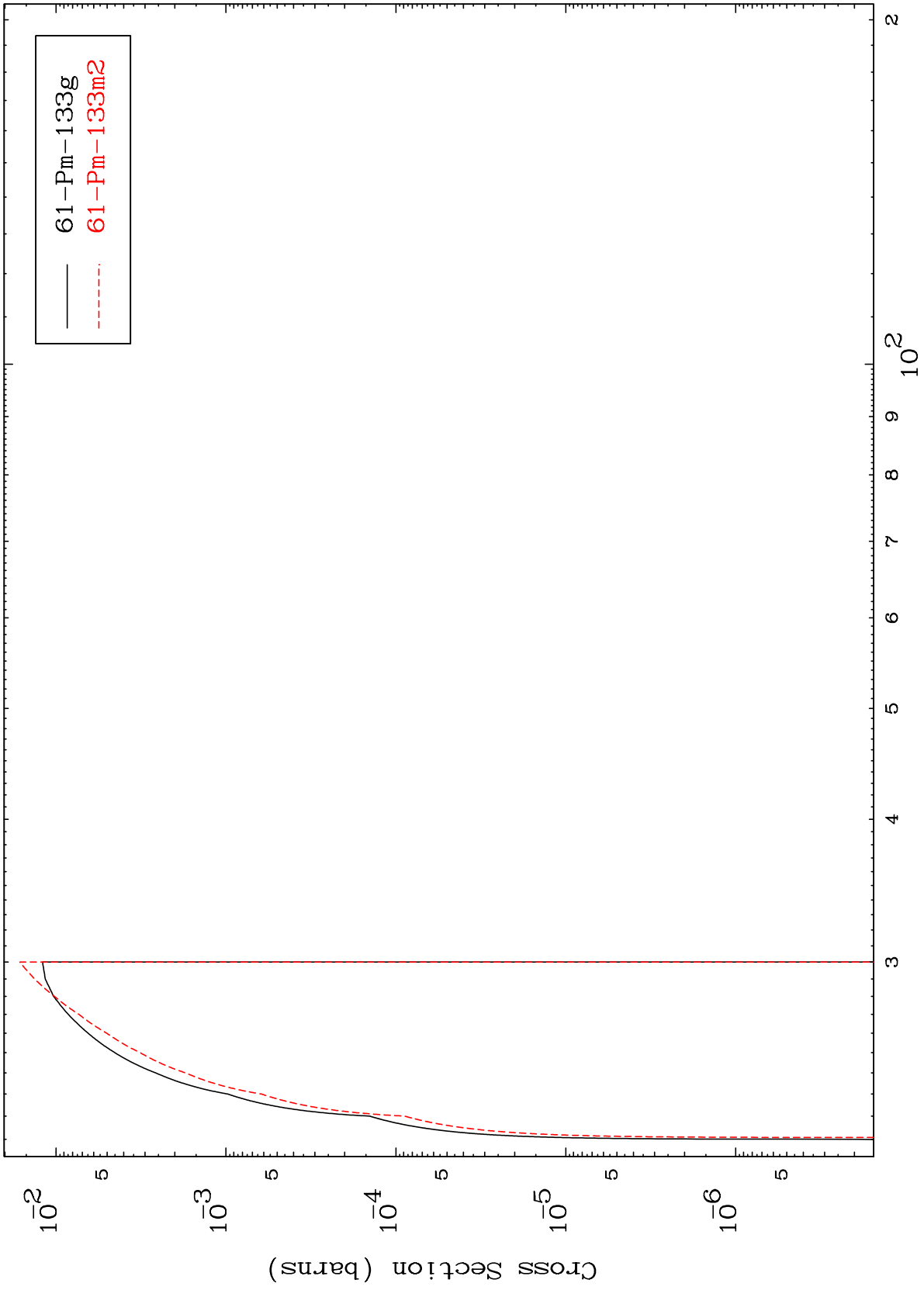
61-Pm-135

Incident Energy (MeV)

MAT 6113

61-Pm-135

(n,3n)
Radionuclide Production Cross Section



29

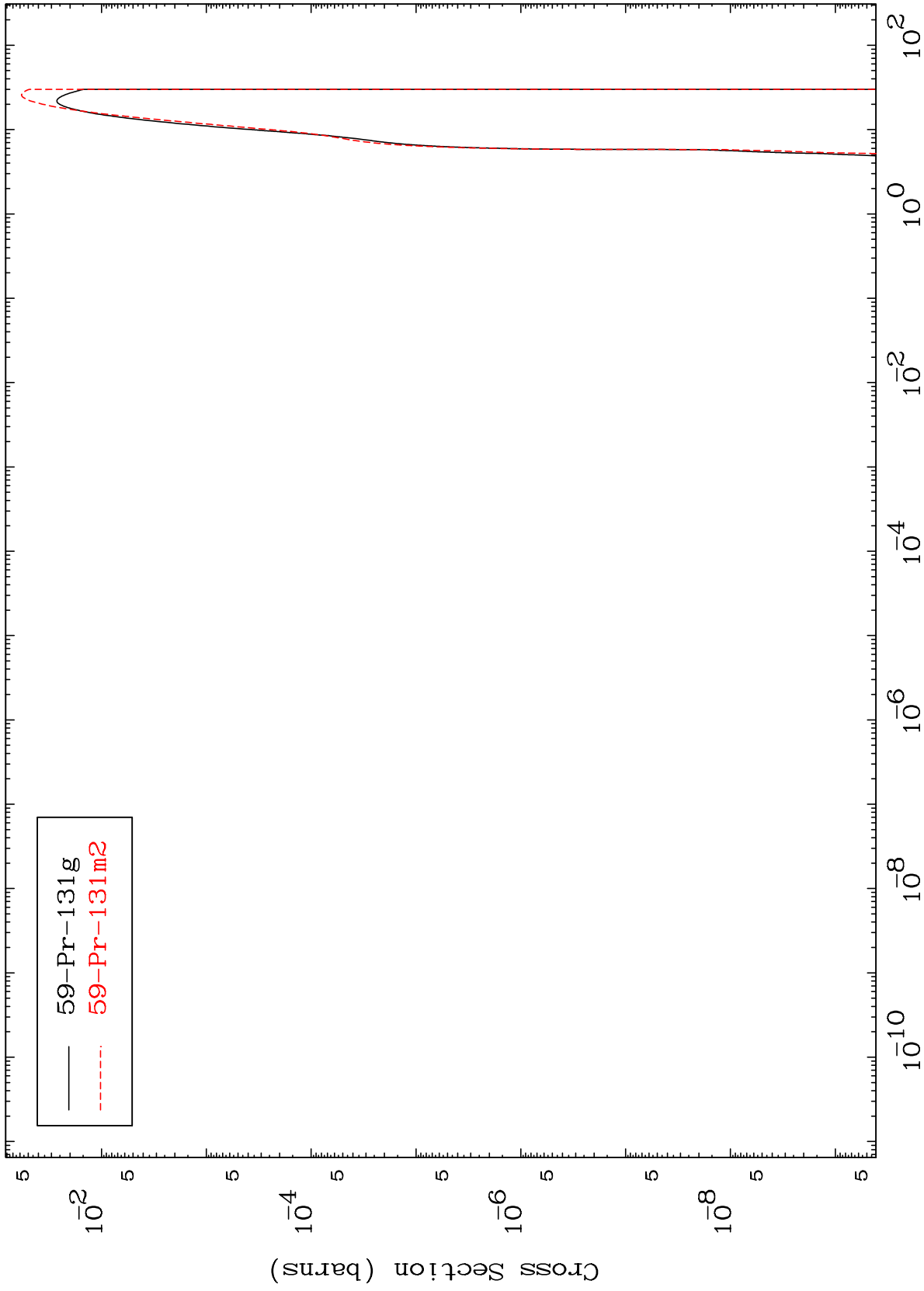
61-Pm-135

MAT 6113

(n,n') α

61-Pm-135

Radionuclide Production Cross Section



30

Incident Energy (MeV)

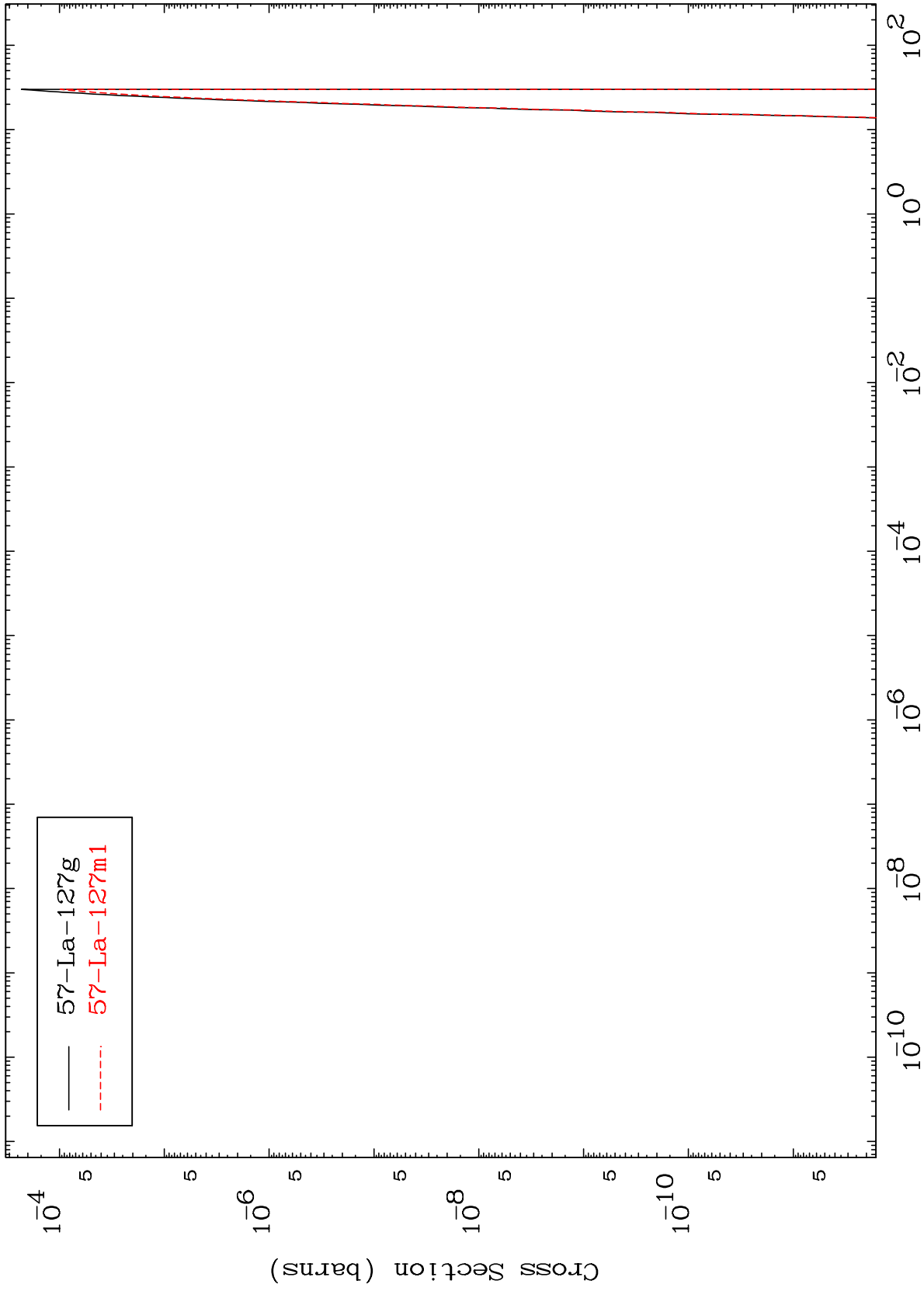
61-Pm-135

MAT 6113

(n,n') 2 α

61-Pm-135

Radionuclide Production Cross Section



31

Incident Energy (MeV)

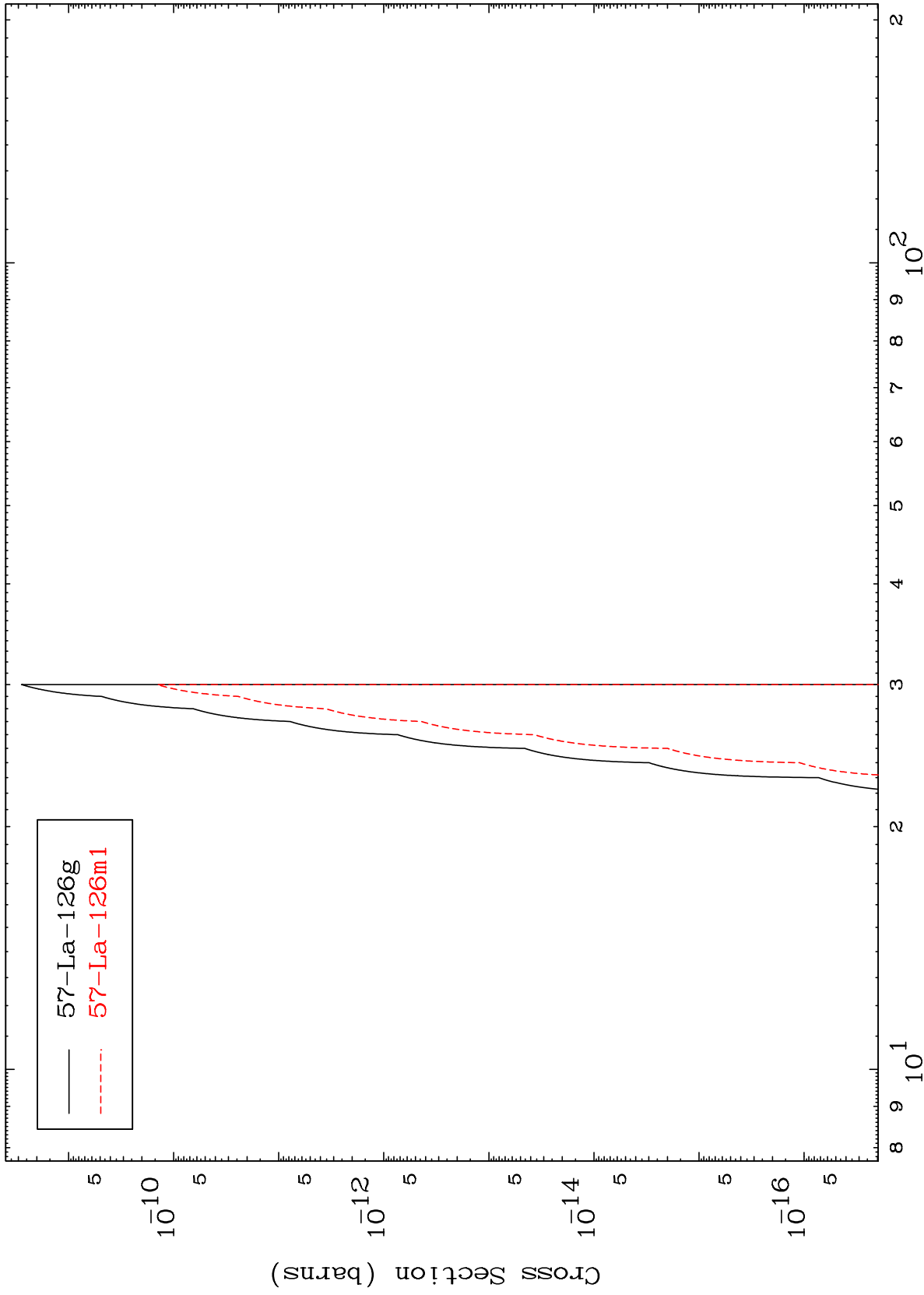
61-Pm-135

MAT 6113

(n,2n) 2 α

61-Pm-135

Radionuclide Production Cross Section



32

Incident Energy (MeV)

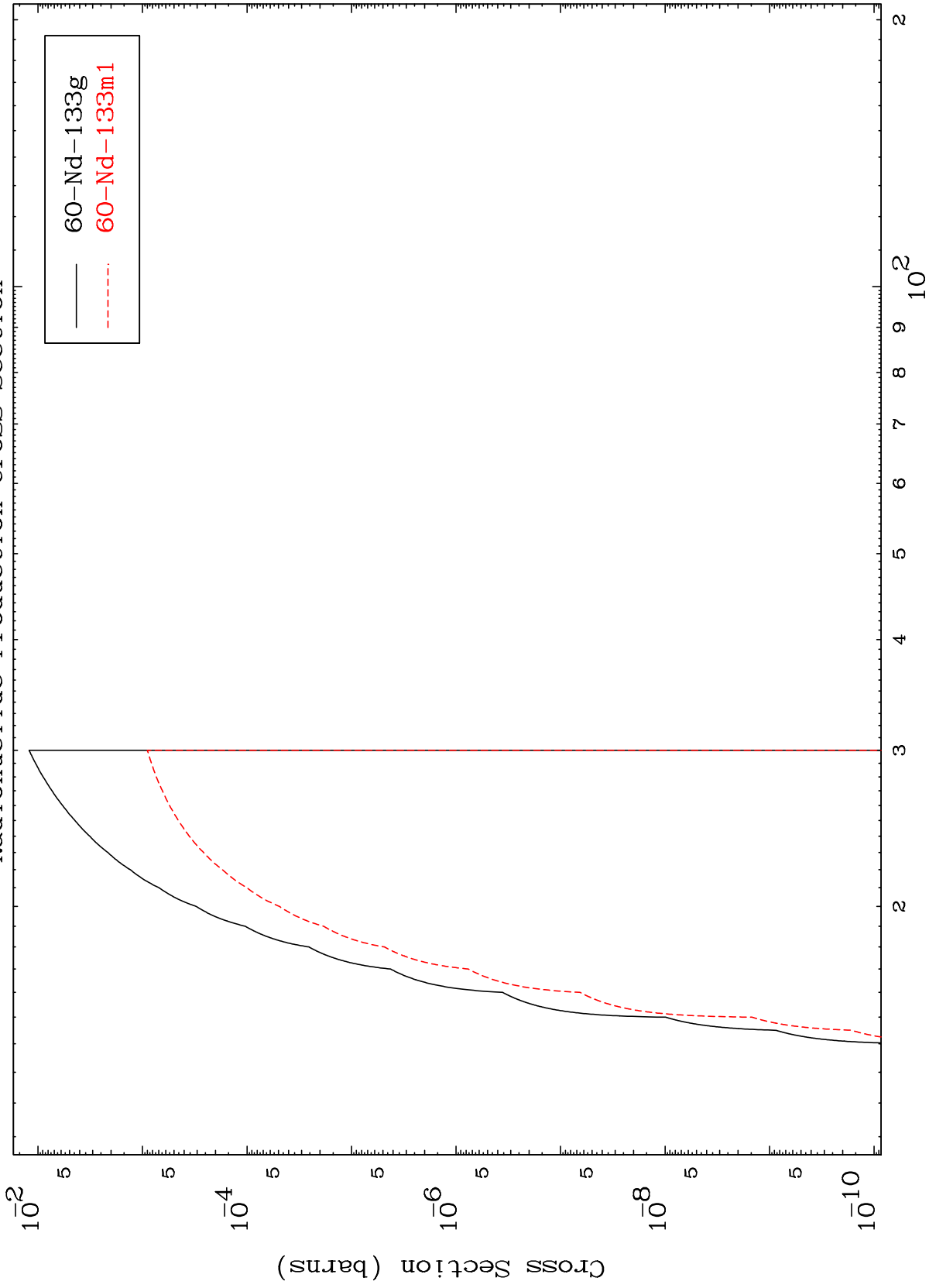
61-Pm-135

MAT 6113

(n, n') d

61-Pm-135

Radionuclide Production Cross Section



33

Incident Energy (MeV)

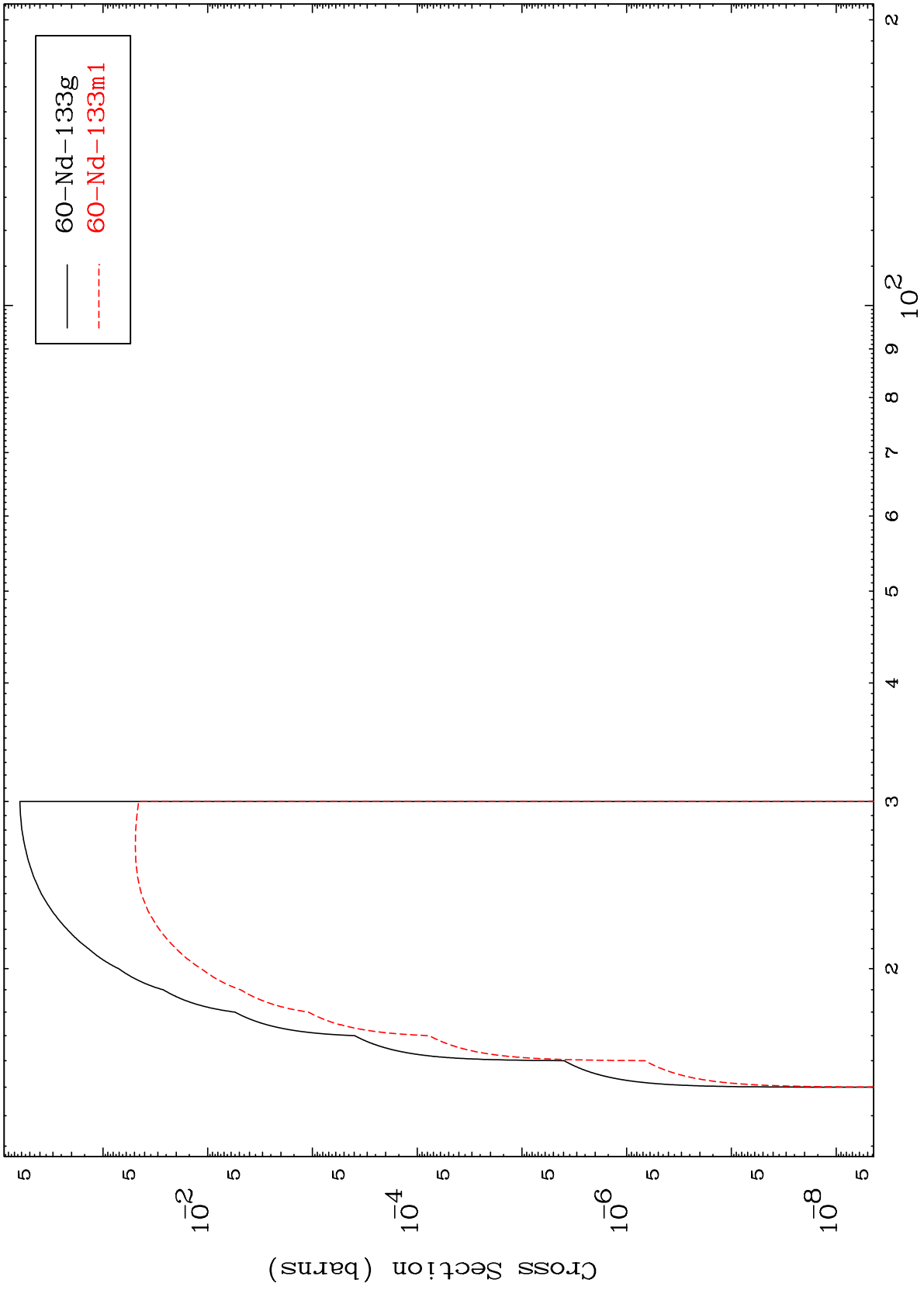
61-Pm-135

MAT 6113

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



34

Incident Energy (MeV)

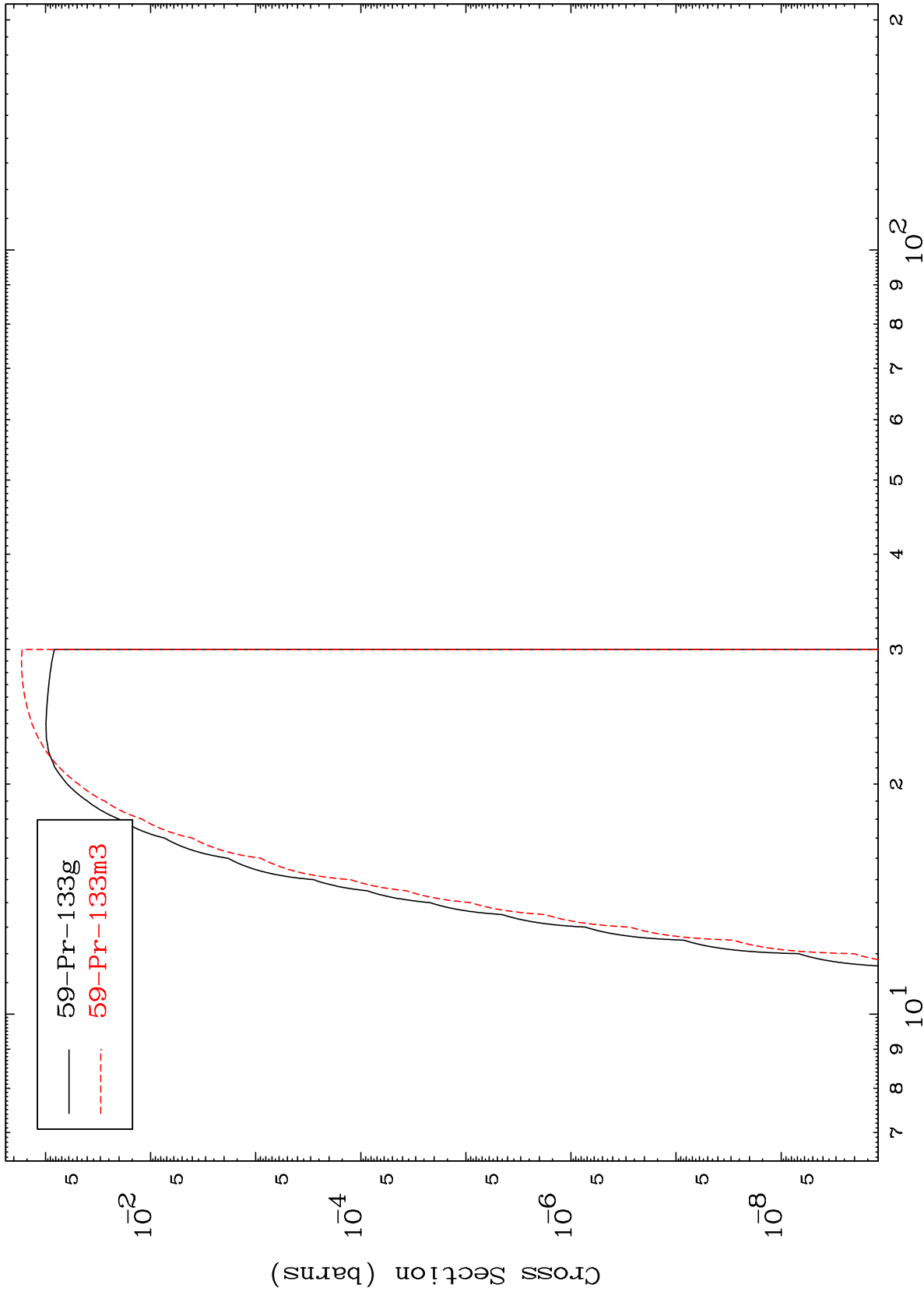
61-Pm-135

MAT 6113

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



35

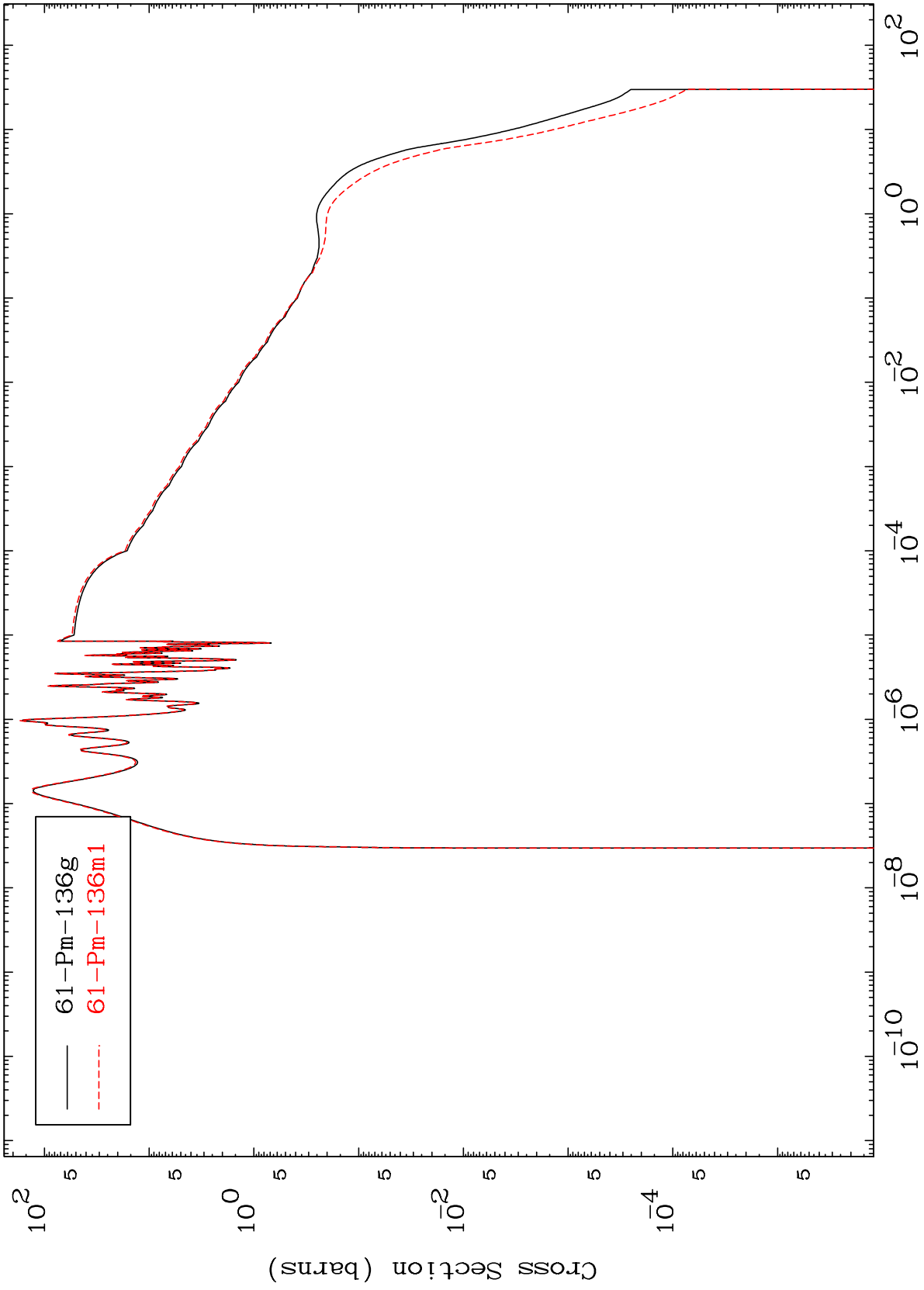
Incident Energy (MeV)

61-Pm-135

MAT 6113

61-Pm-135

Radionuclide Production Cross Section
(n, γ)



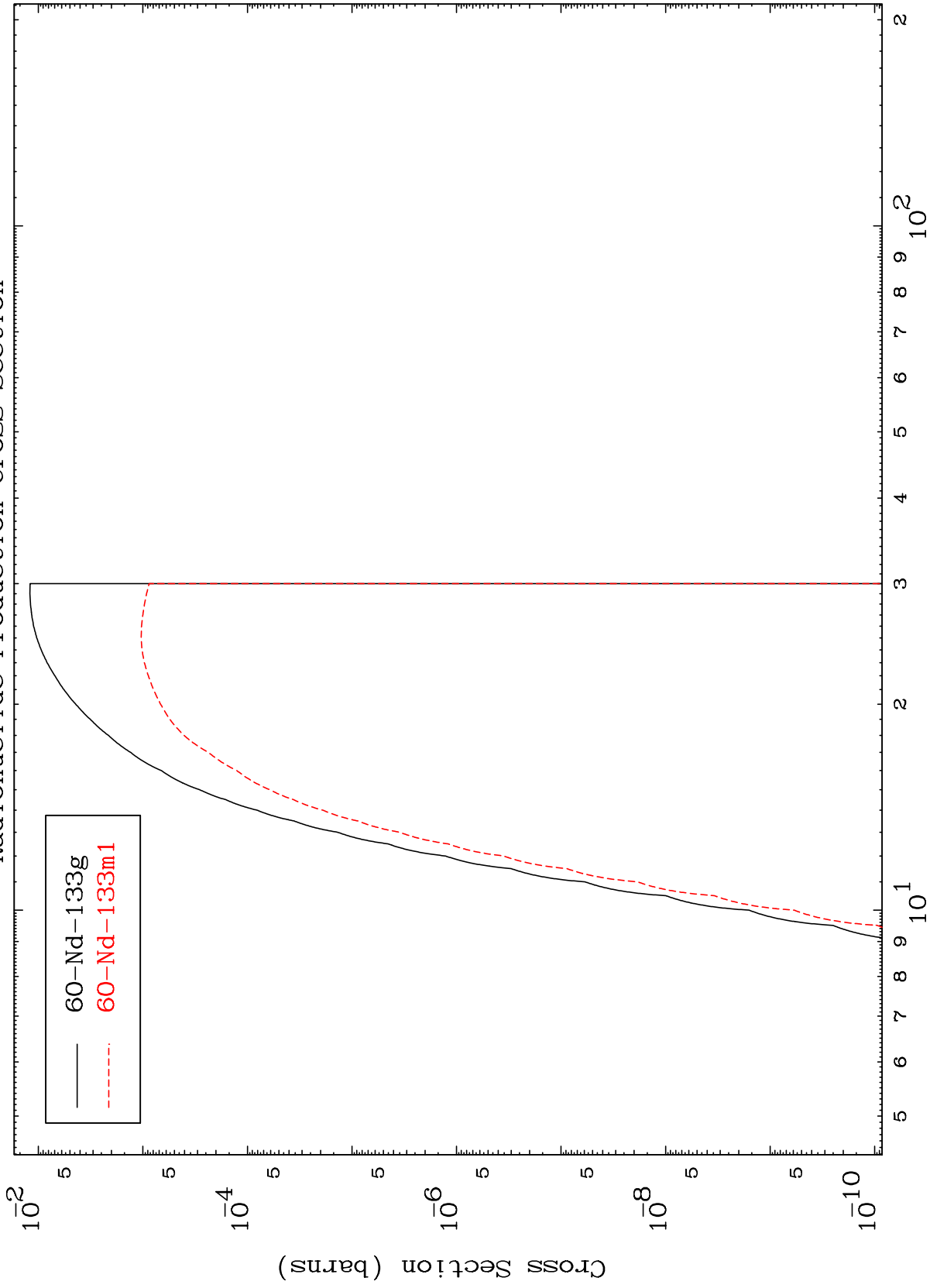
36

61-Pm-135

MAT 6113

61-Pm-135

Radionuclide Production Cross Section (n, t)



60-Nd-133g
60-Nd-133m1

37

Incident Energy (MeV)

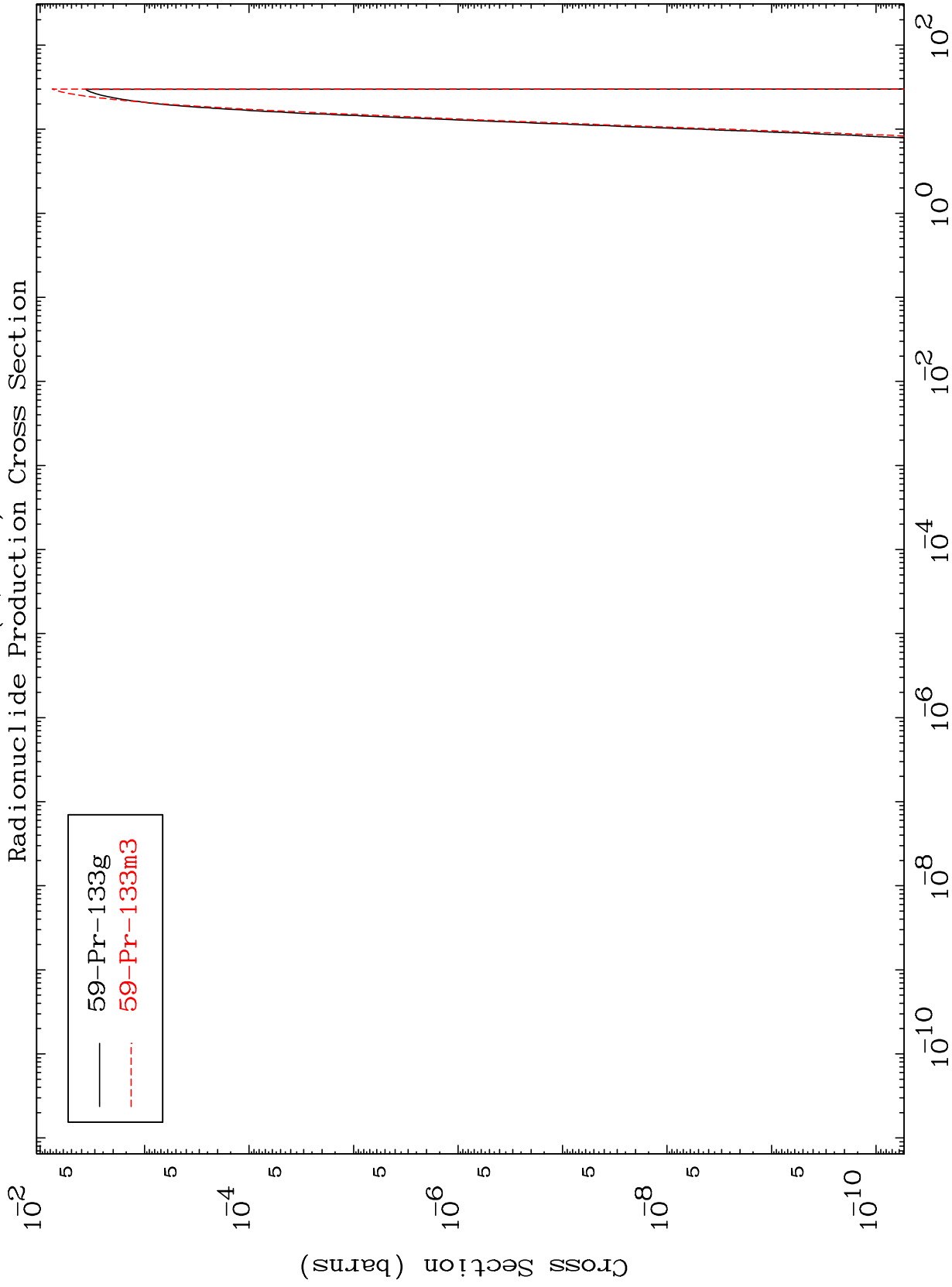
61-Pm-135

MAT 6113

(n, He-3)

61-Pm-135

Radionuclide Production Cross Section



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

38

Incident Energy (MeV)

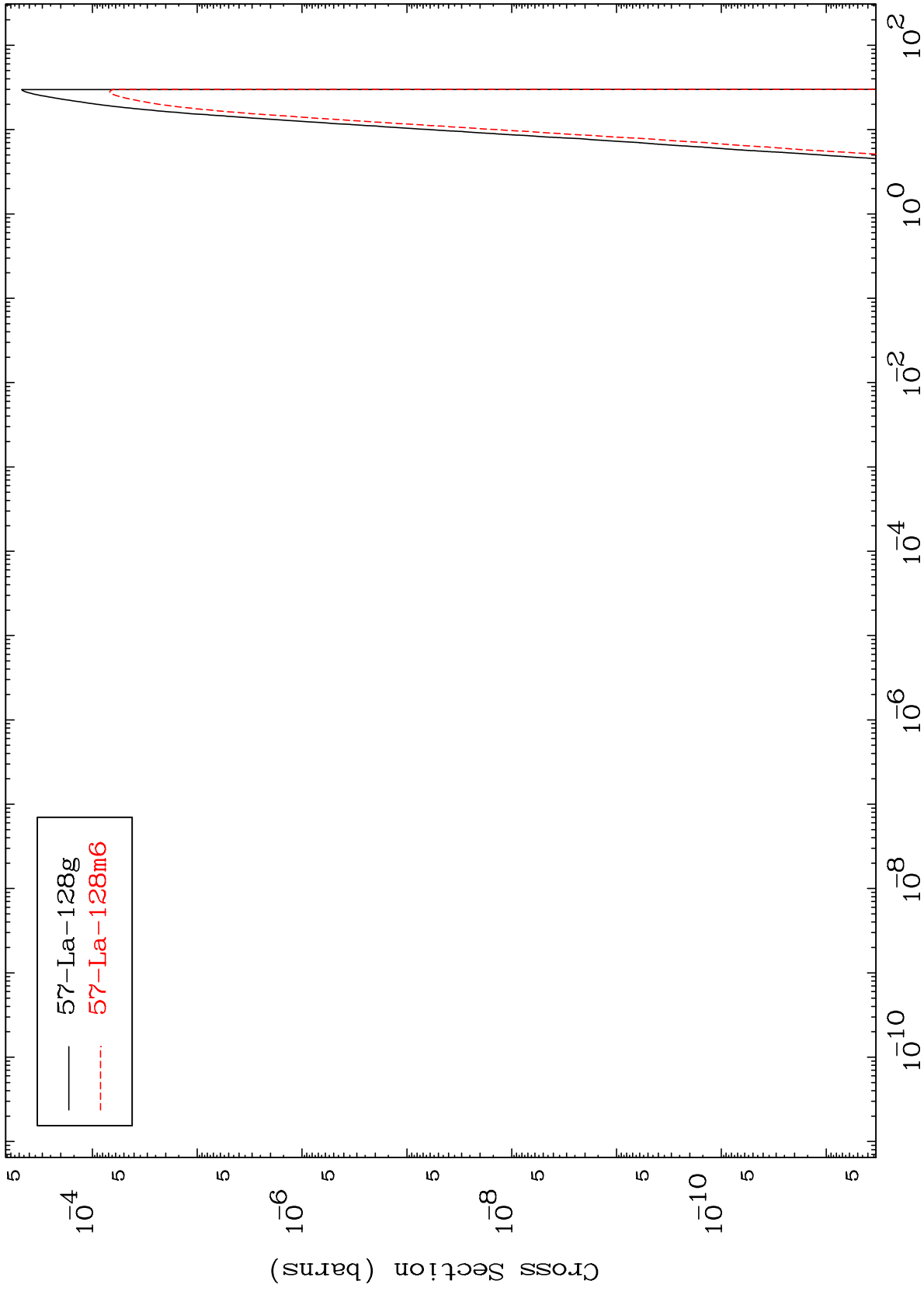
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MAT 6113

(n,2α)

61-Pm-135

Radionuclide Production Cross Section



39

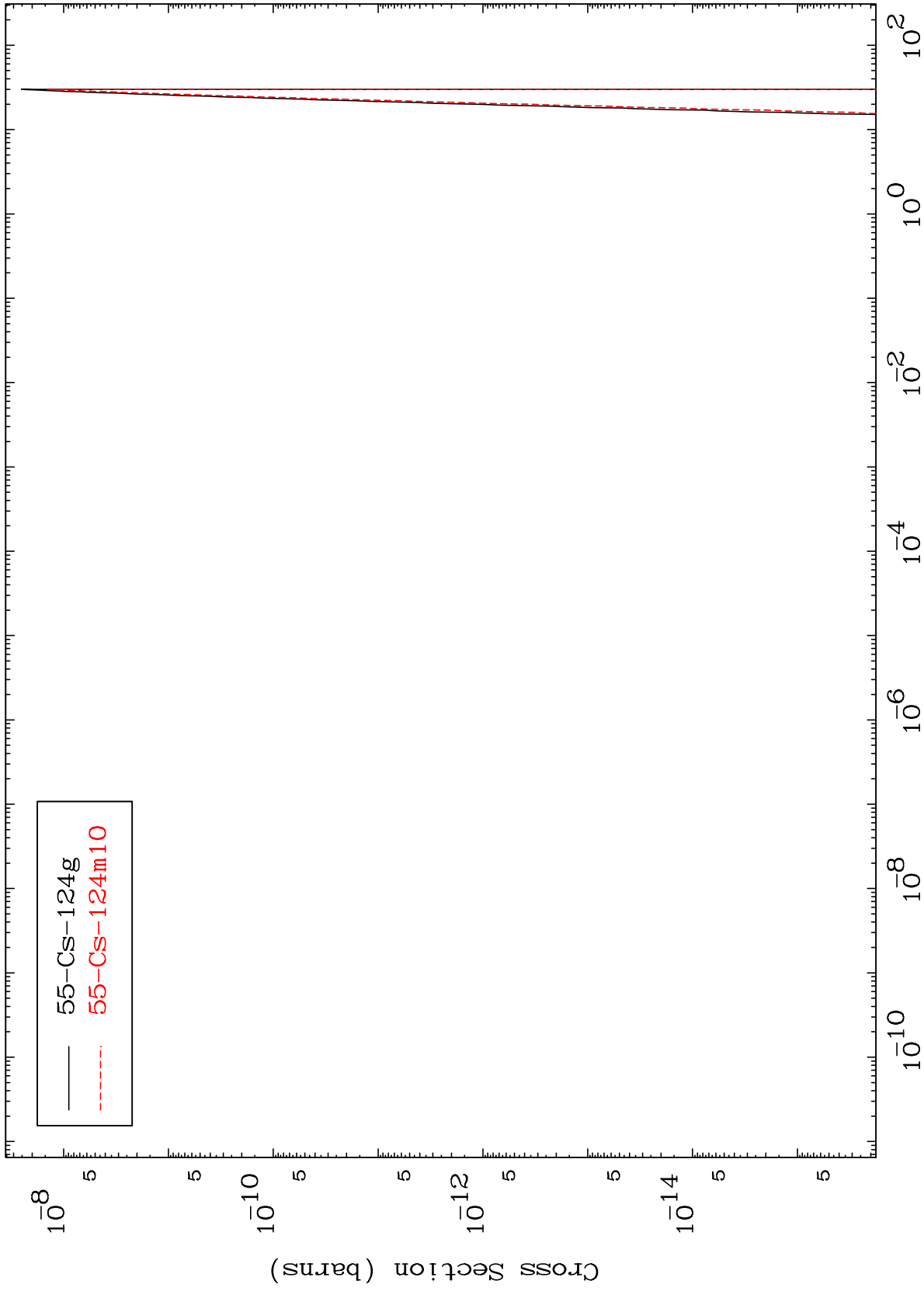
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MAT 6113

(n,3α)

61-Pm-135

Radionuclide Production Cross Section



40

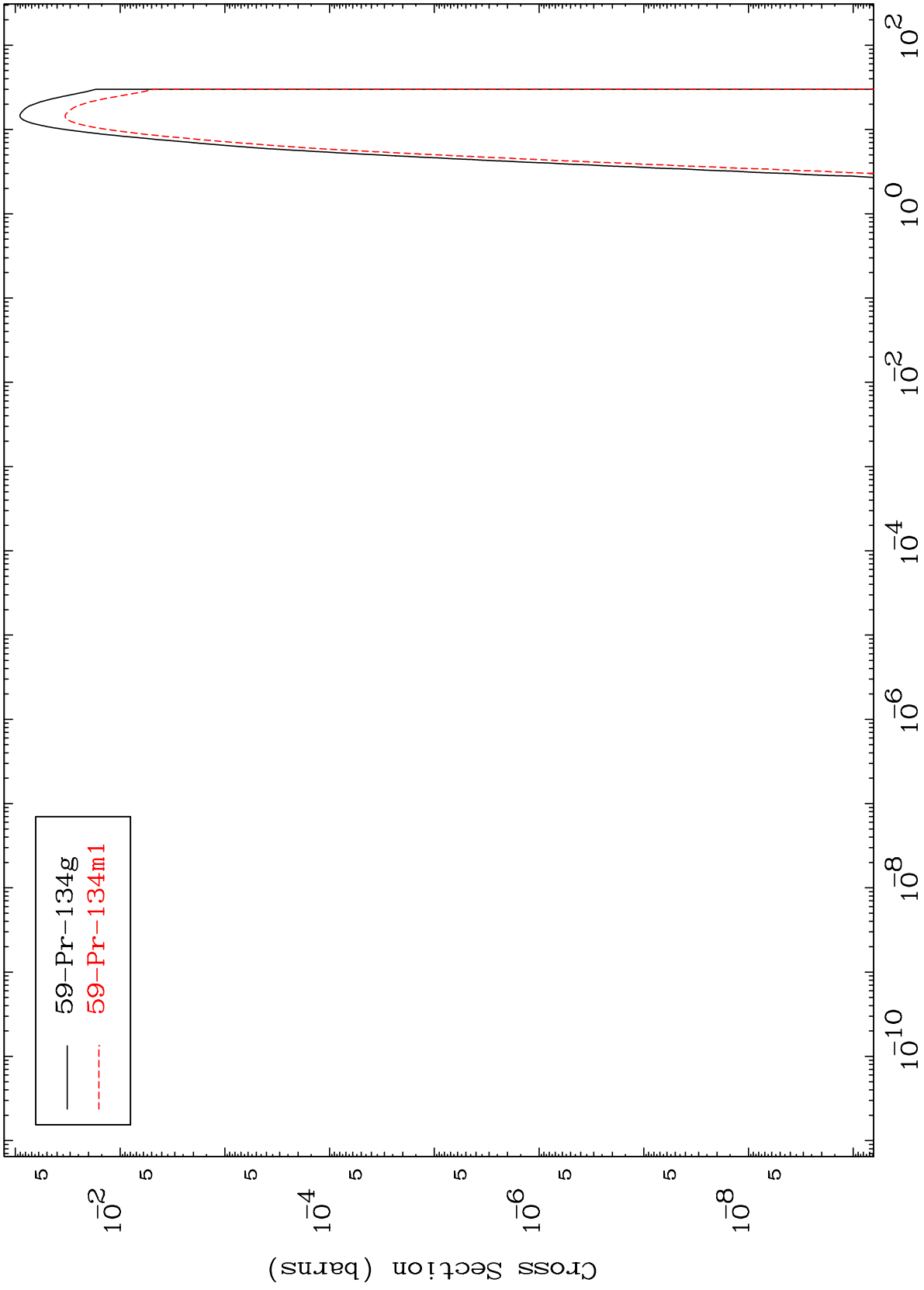
Incident Energy (MeV)

61-Pm-135

MAT 6113

(n,2p)
Radionuclide Production Cross Section

61-Pm-135



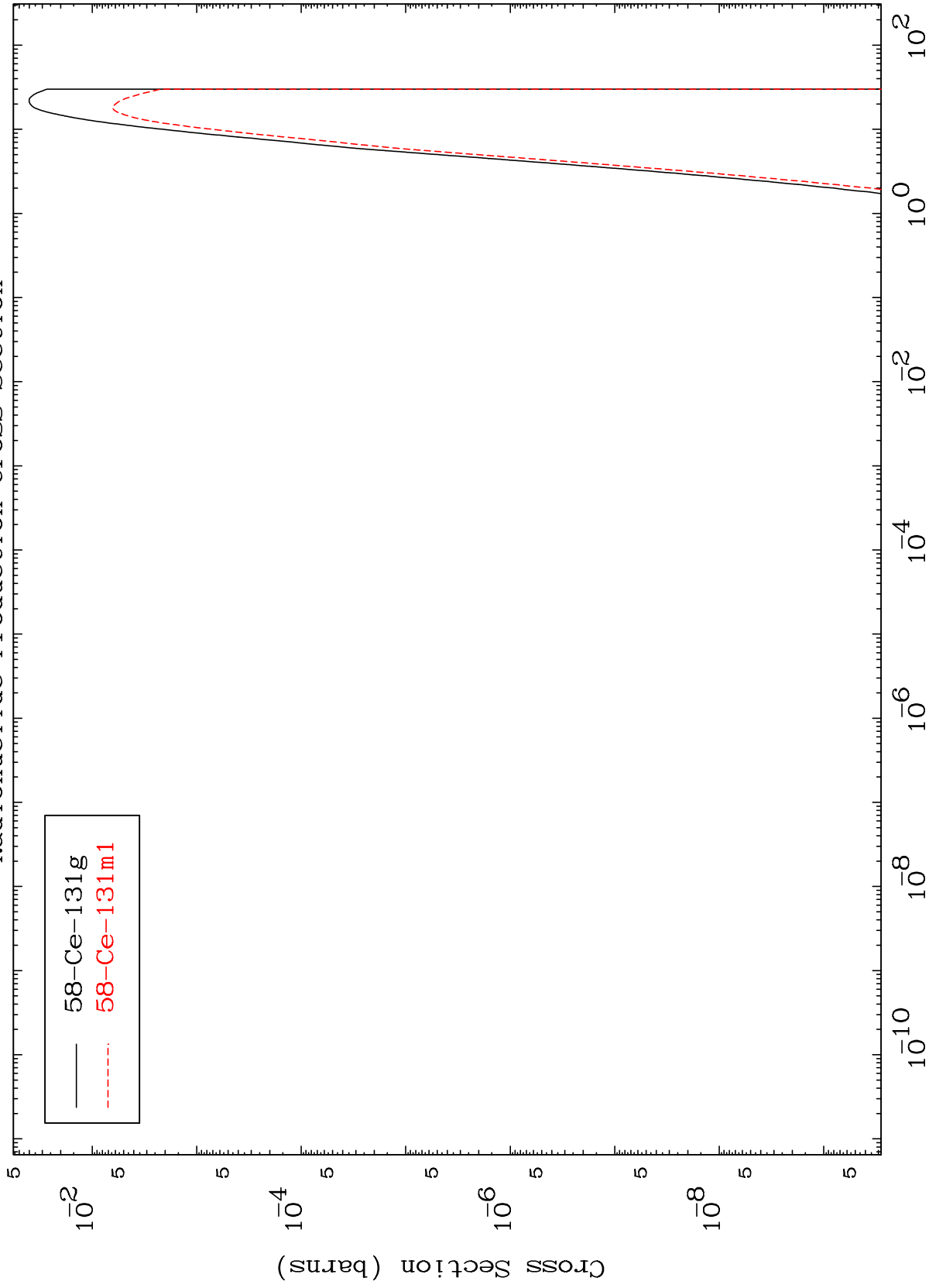
61-Pm-135

MAT 6113

(n,p) α

61-Pm-135

Radionuclide Production Cross Section



42

Incident Energy (MeV)

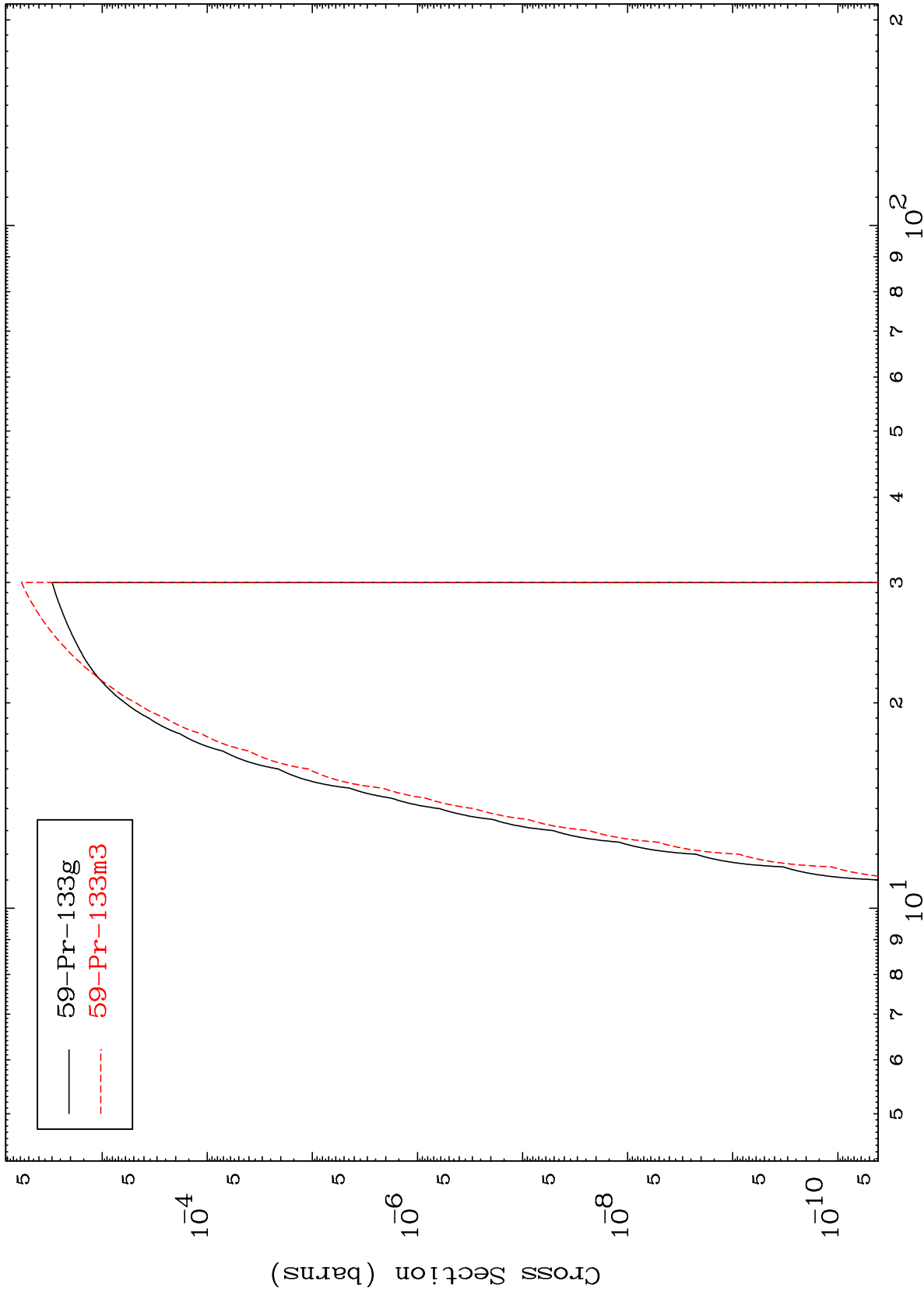
61-Pm-135

MAT 6113

(n,p) d

61-Pm-135

Radionuclide Production Cross Section



43

Incident Energy (MeV)

61-Pm-135