

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

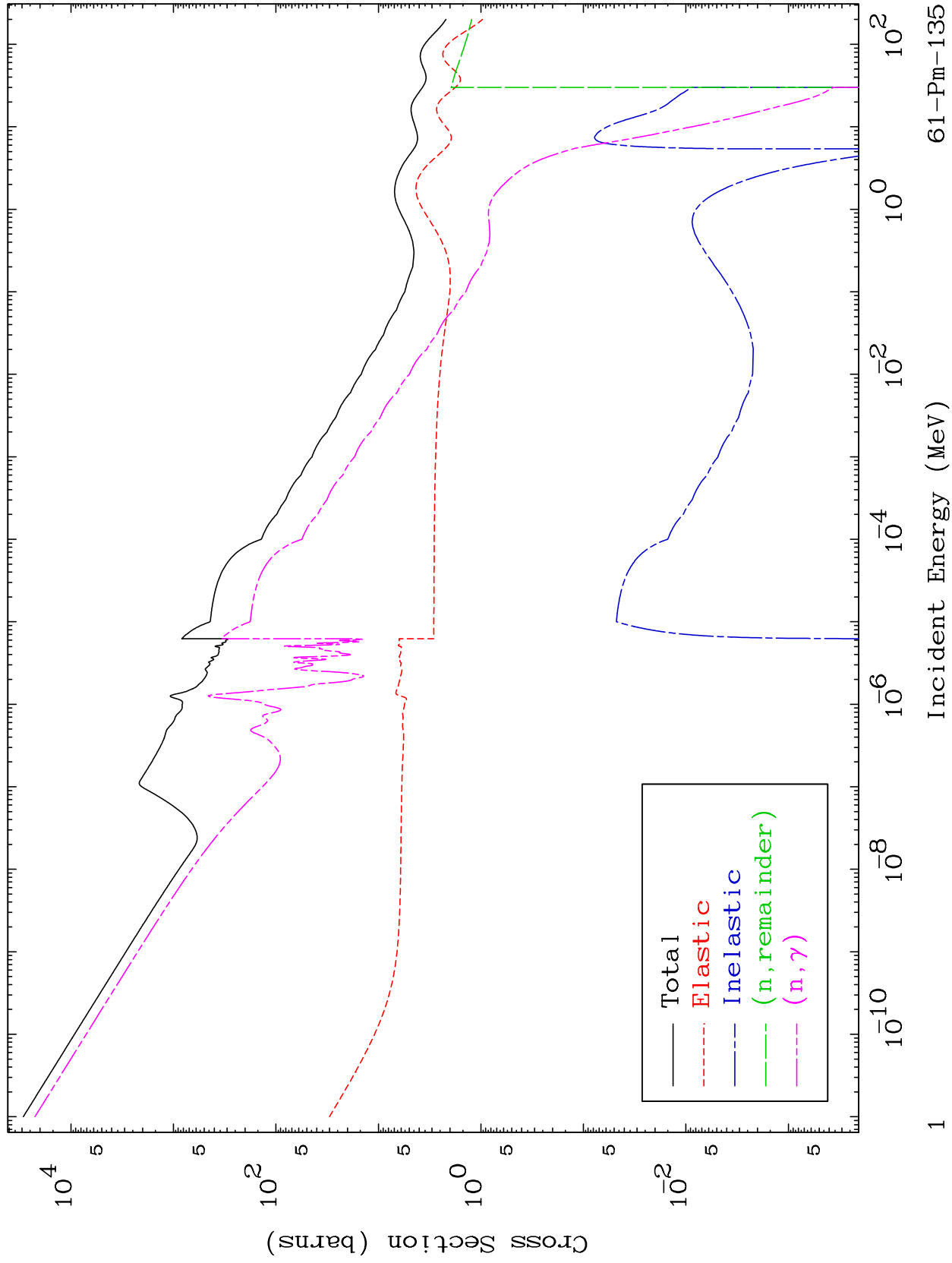
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6114

Major  
293 Kelvin Cross Sections

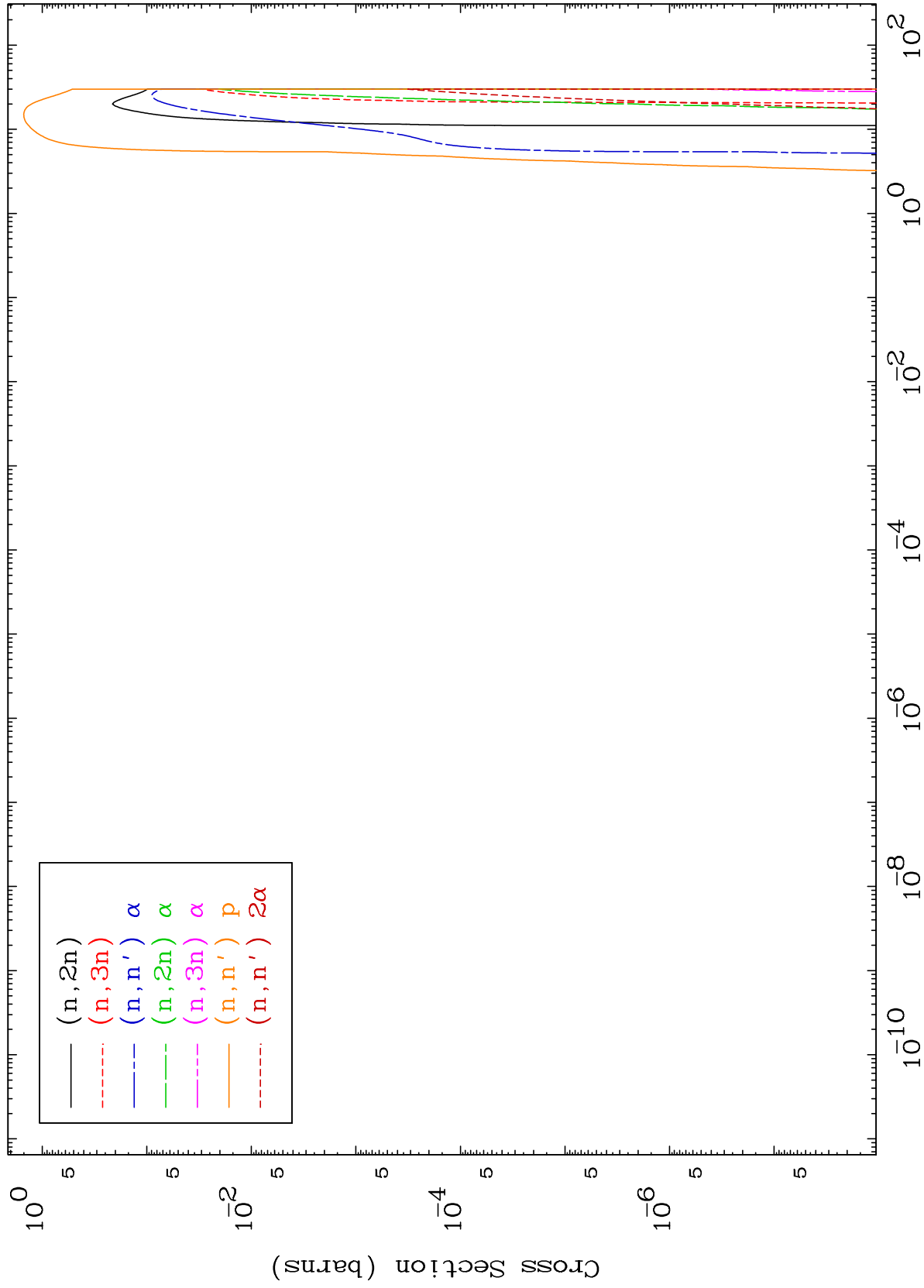
61-Pm-135



MAT 6114

Neutron Production  
293 Kelvin Cross Sections

61-Pm-135



2

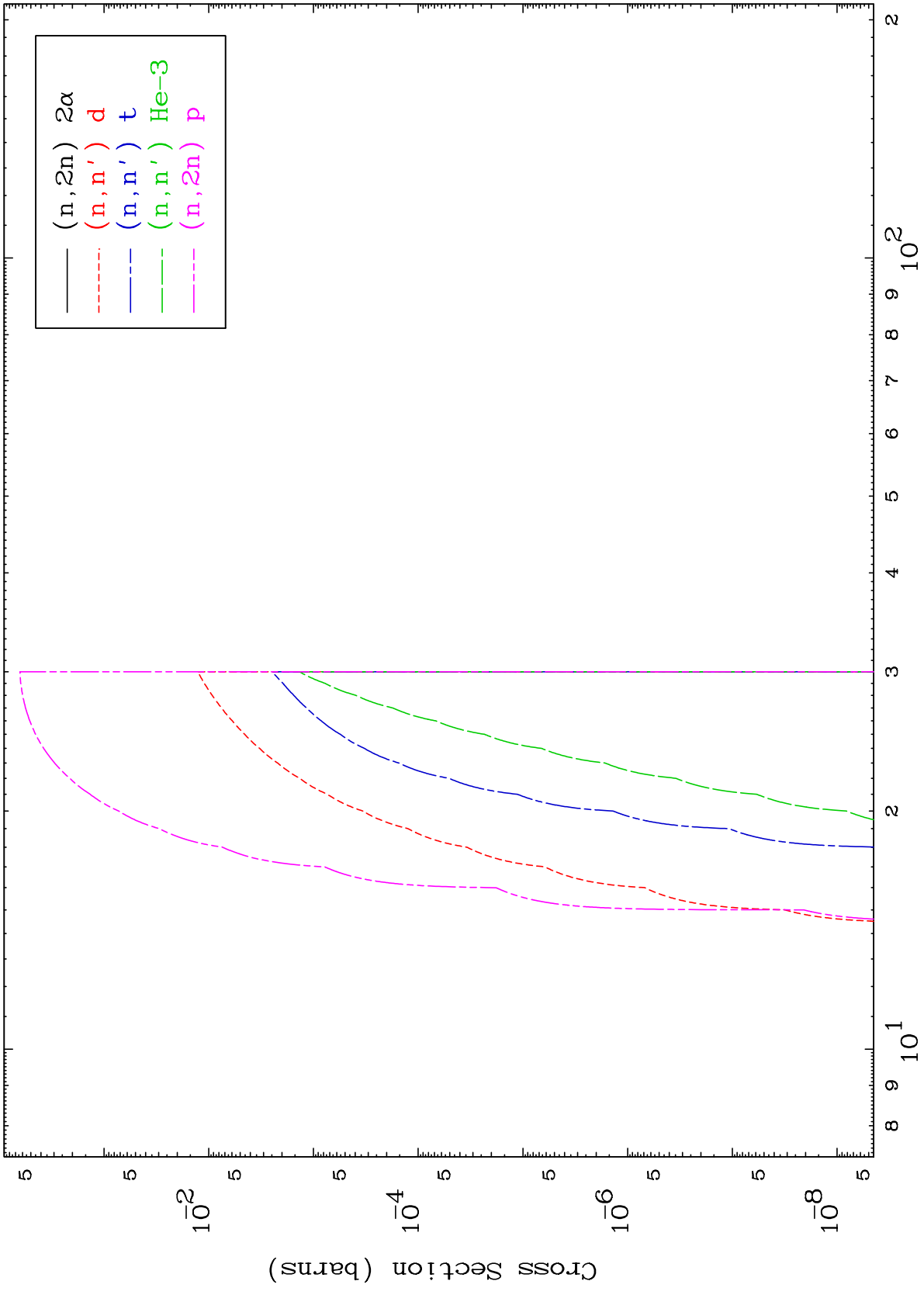
Incident Energy (MeV)

61-Pm-135

MAT 6114

Neutron Production  
293 Kelvin Cross Sections

61-Pm-135



3

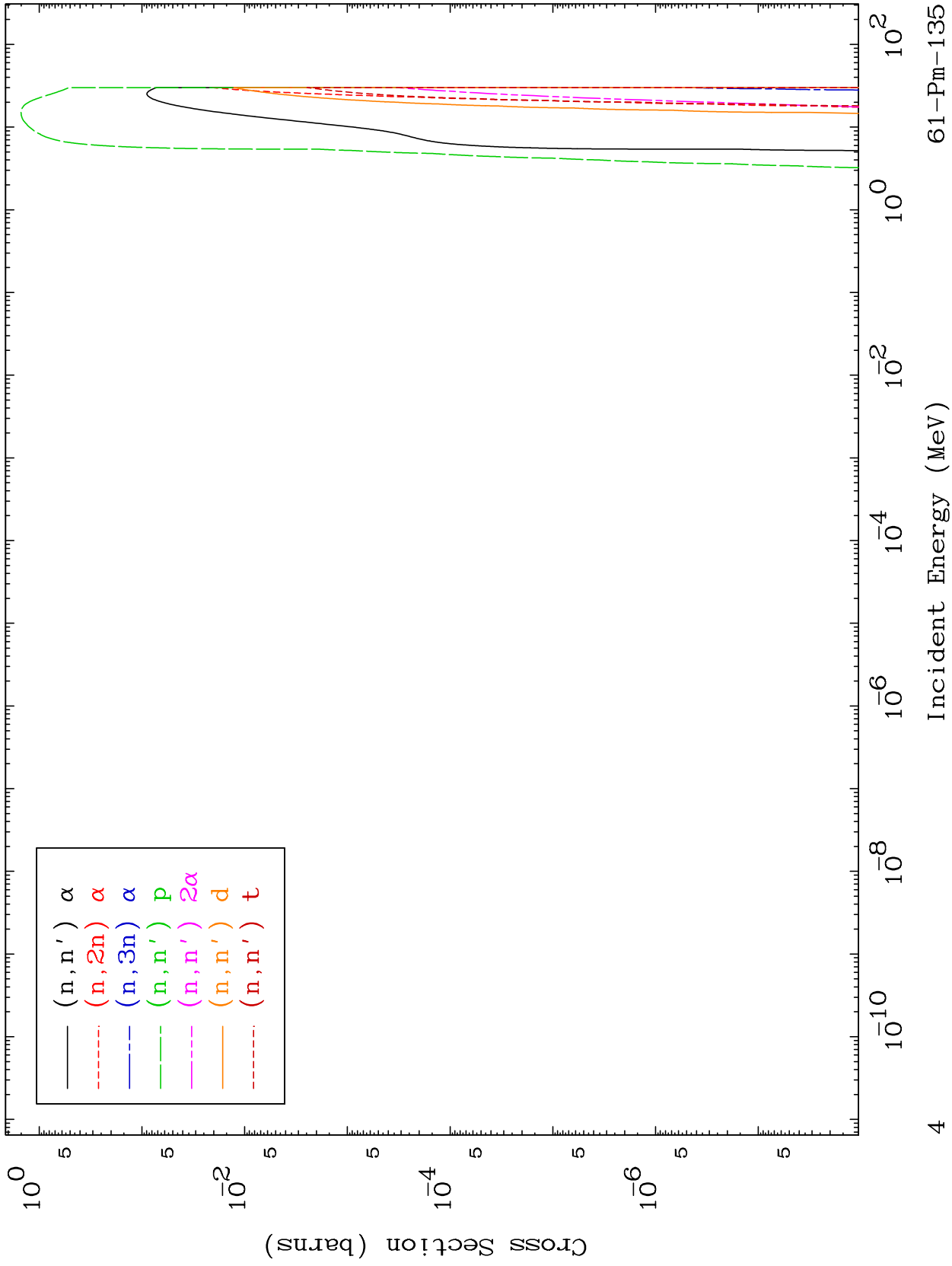
Incident Energy (MeV)

61-Pm-135

MAT 6114

Charged Particle  
293 Kelvin Cross Sections

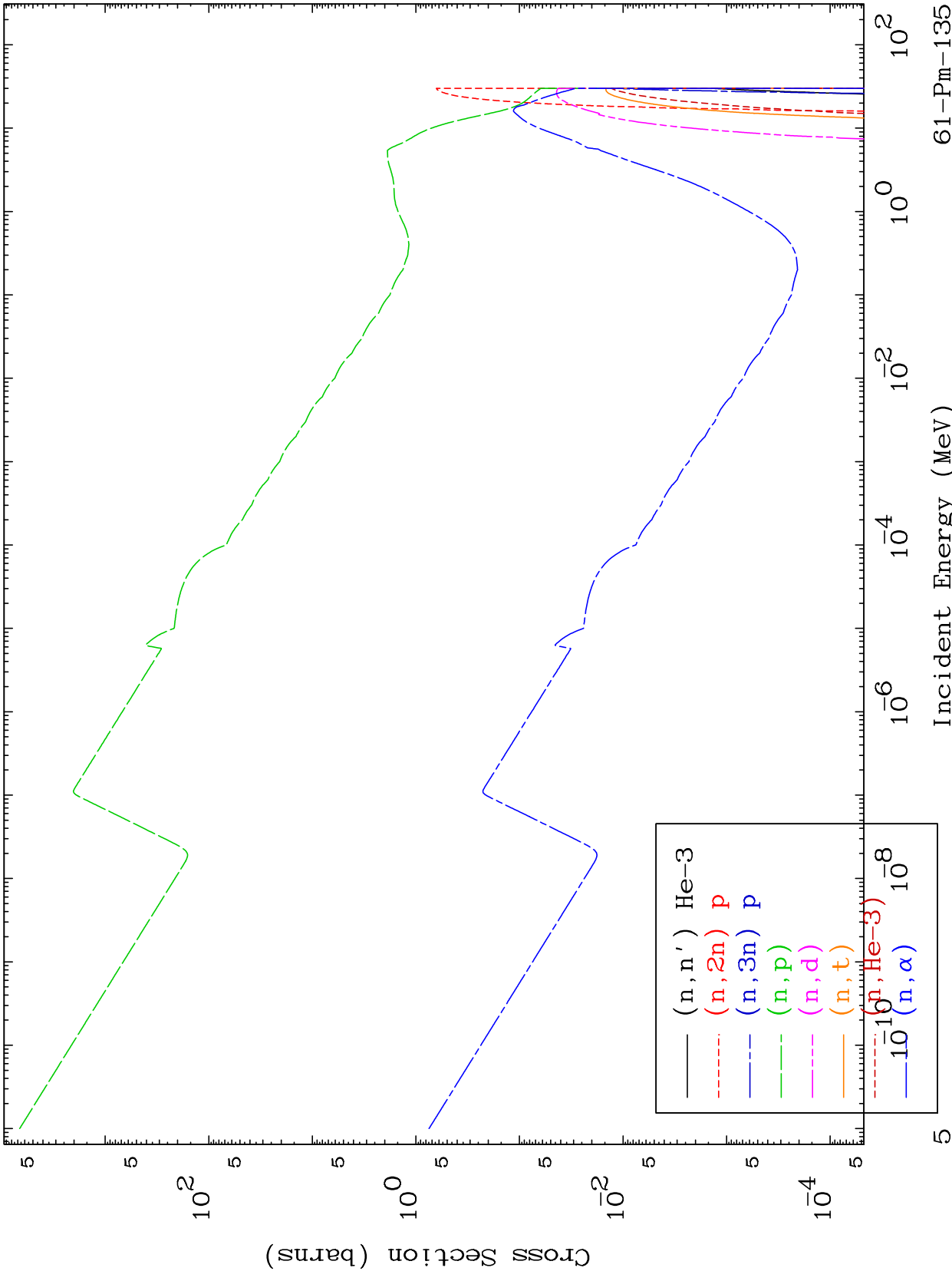
61-Pm-135



MAT 6114

Charged Particle  
293 Kelvin Cross Sections

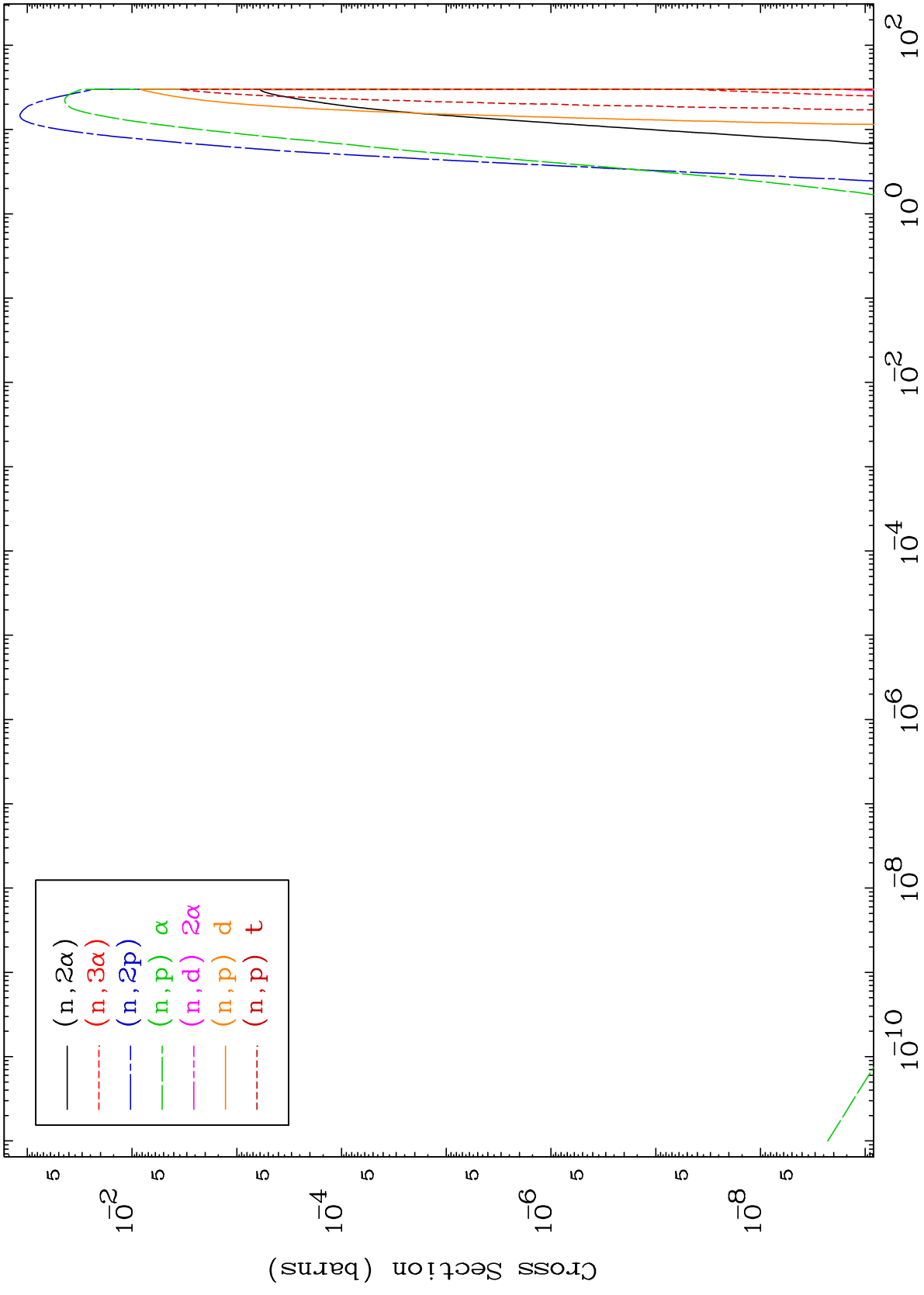
61-Pm-135



MAT 6114

293 Kelvin Cross Sections

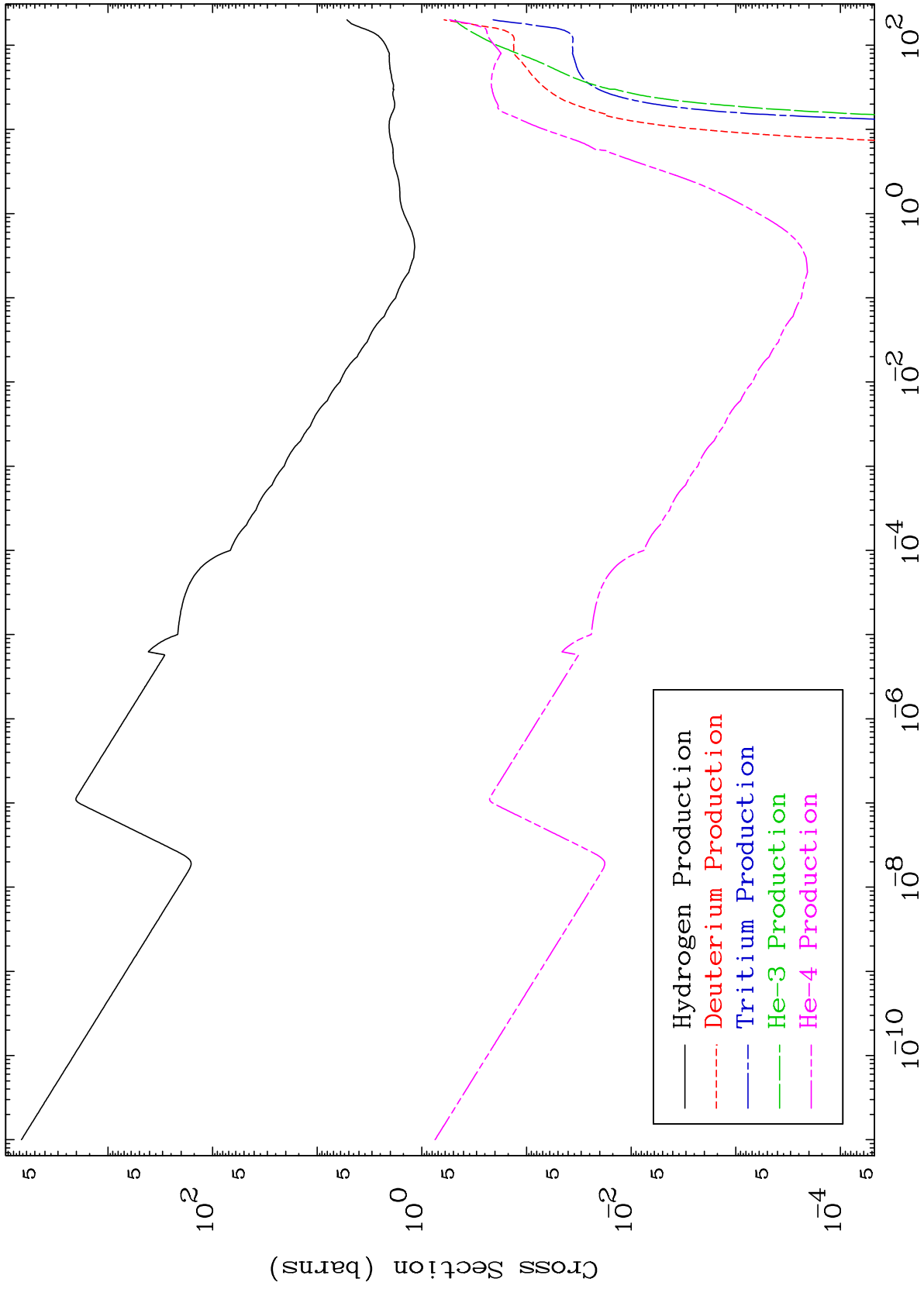
61-Pm-135



MAT 6114

Particle Production  
293 Kelvin Cross Sections

61-Pm-135

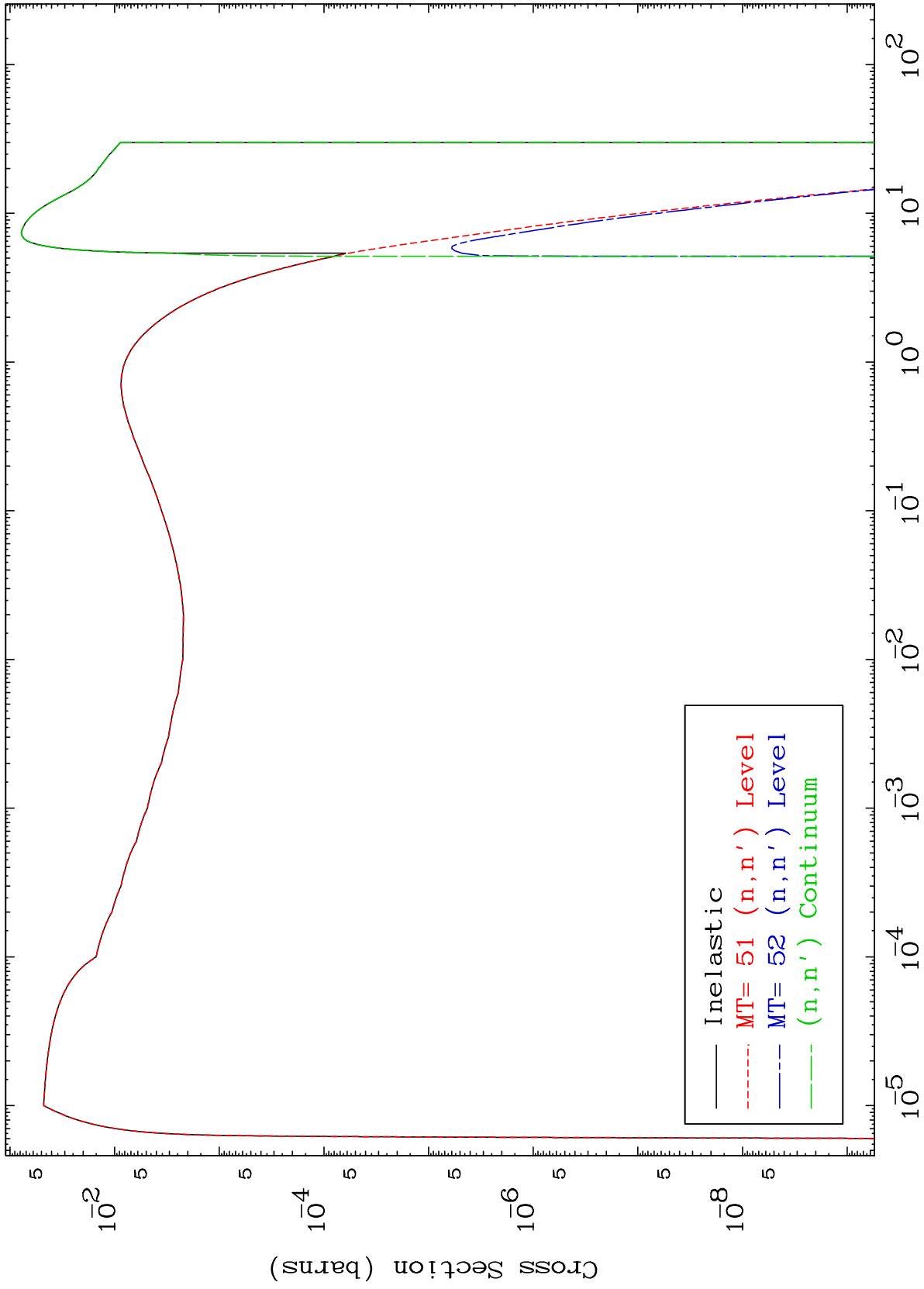




MAT 6114

(n,n') Level  
293 Kelvin Cross Sections

61-Pm-135



8

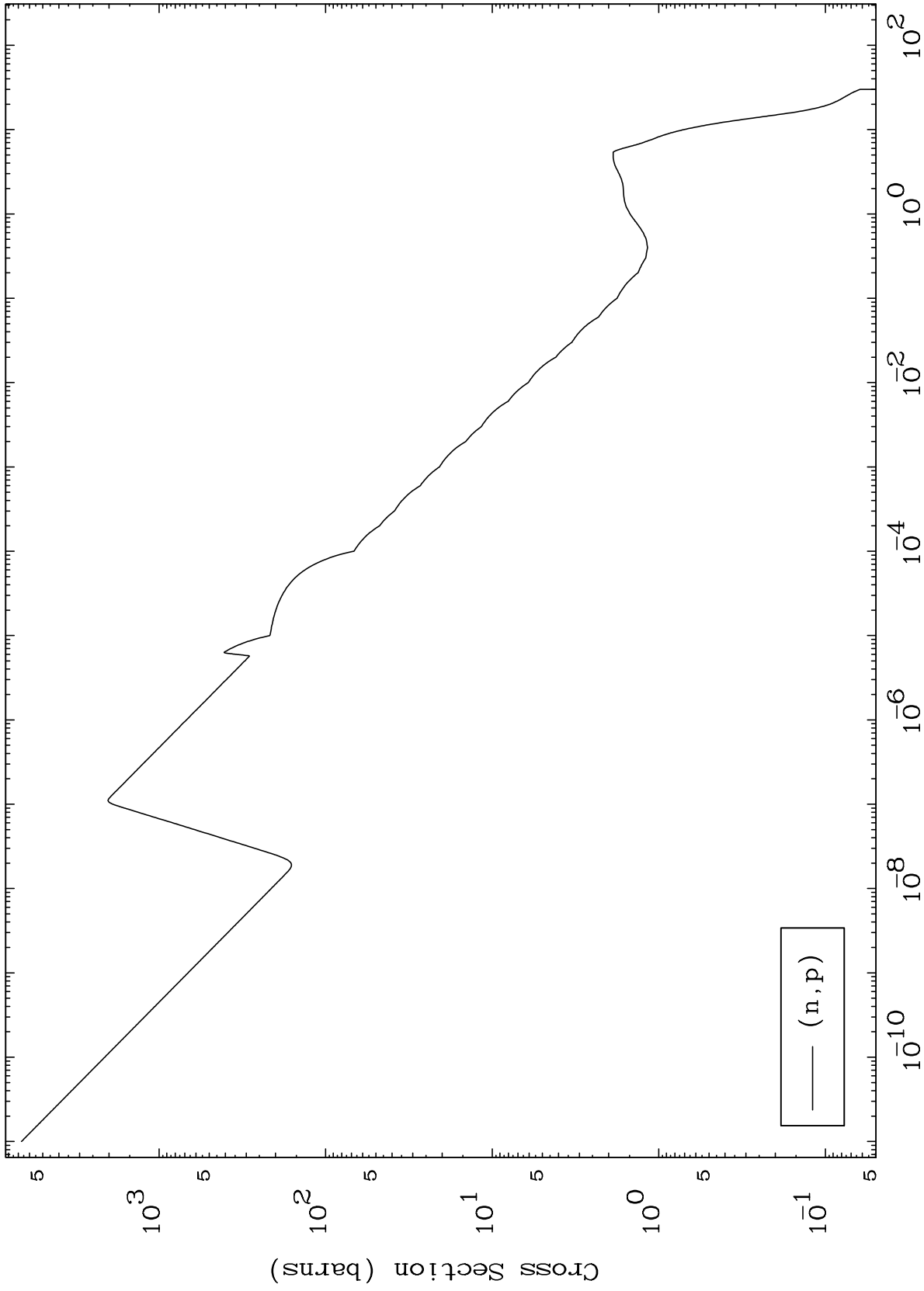
61-Pm-135

61-Pm-135

MAT 6114

(n,p) Levels  
293 Kelvin Cross Sections

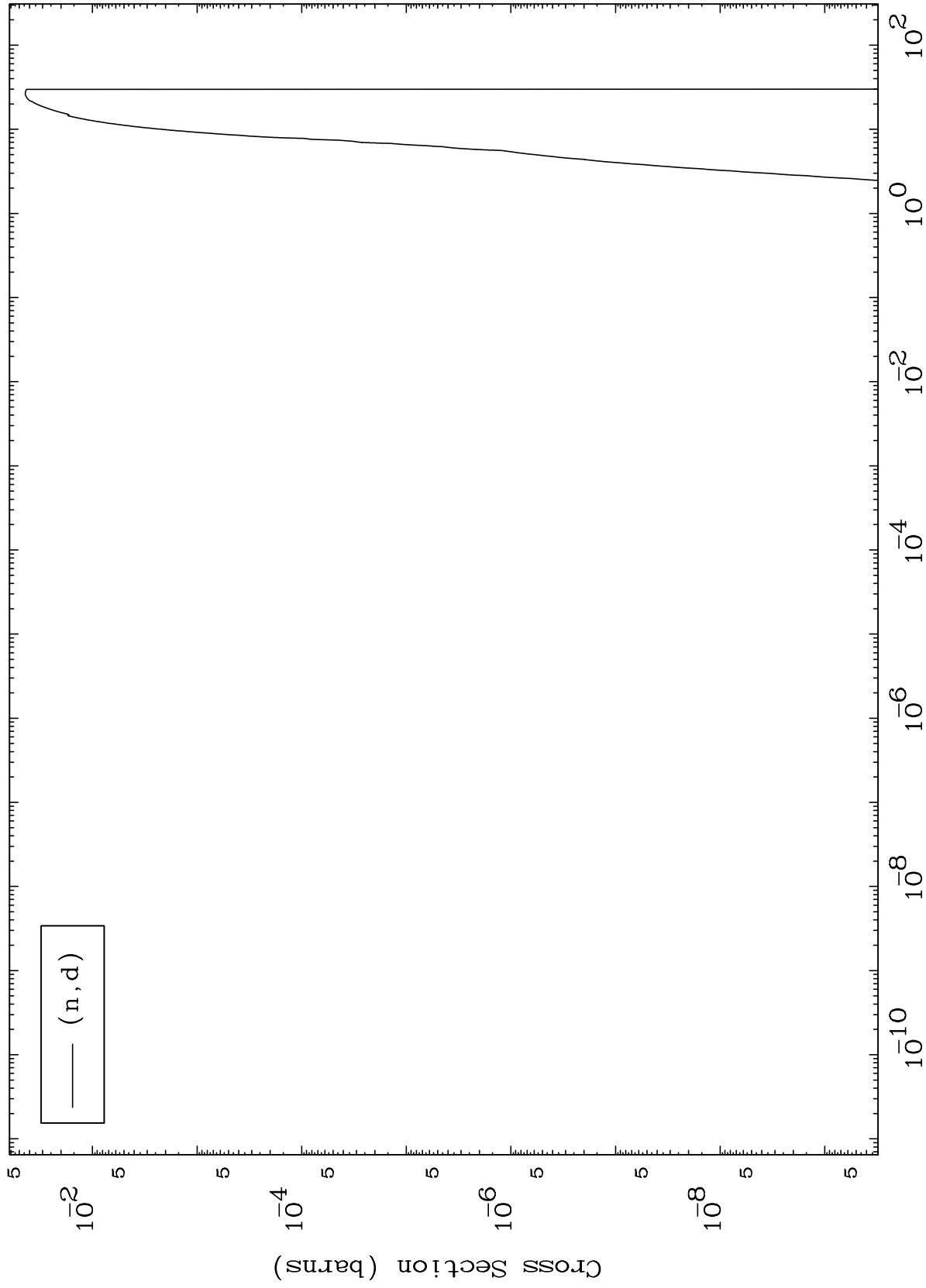
61-Pm-135



MAT 6114

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-135



10

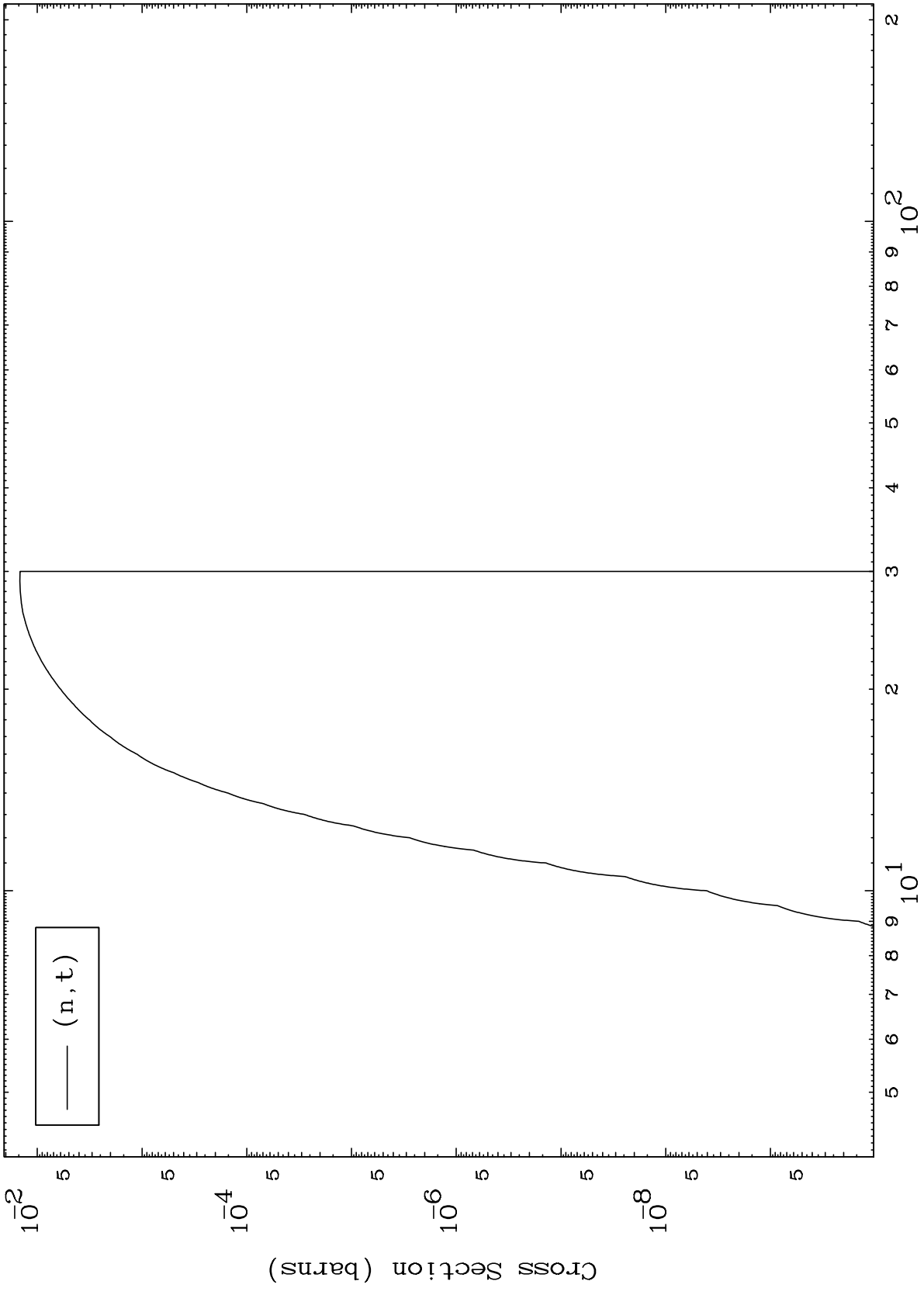
Incident Energy (MeV)

61-Pm-135

MAT 6114

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-135



11

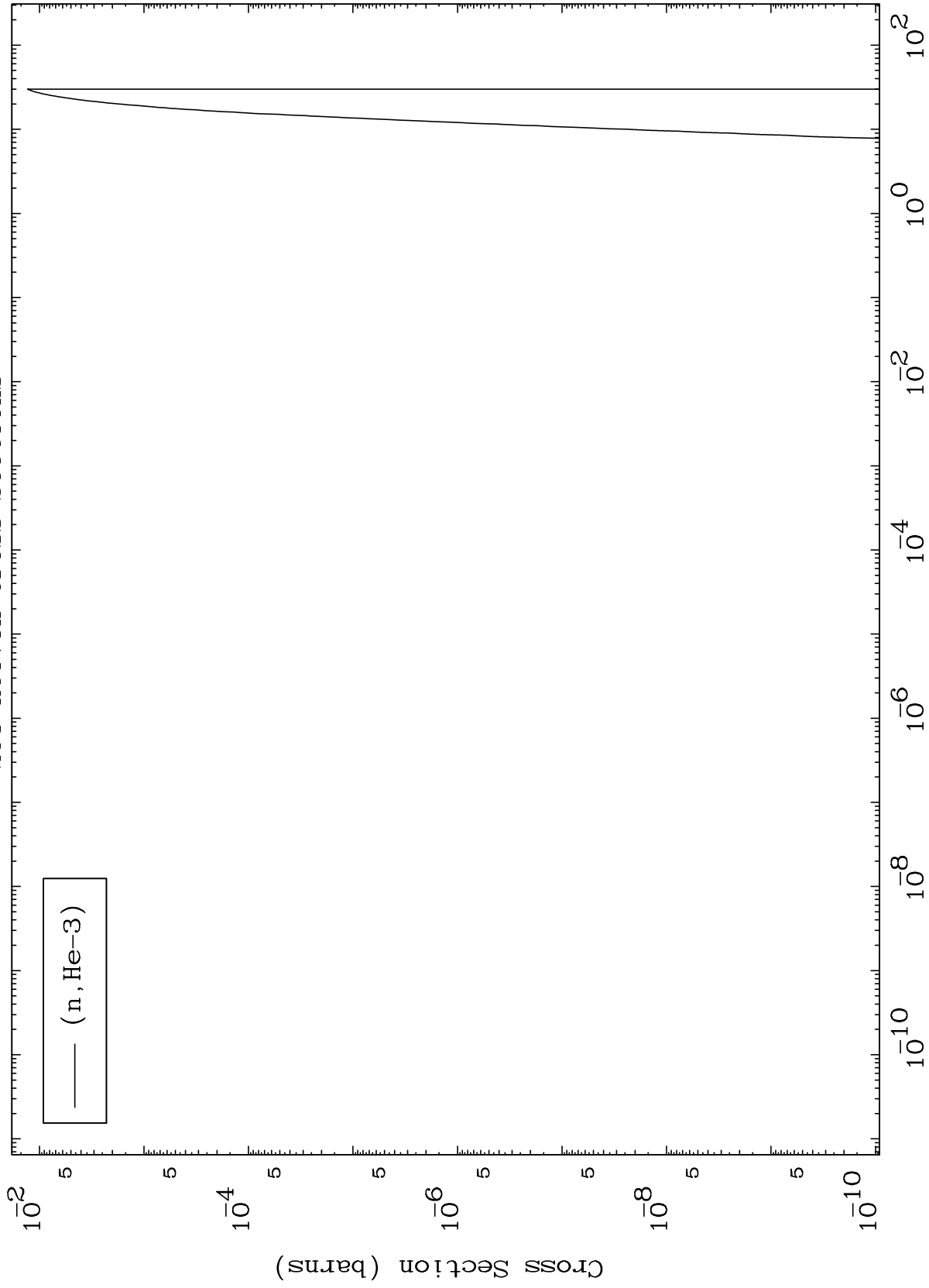
Incident Energy (MeV)

61-Pm-135

MAT 6114

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-135



12

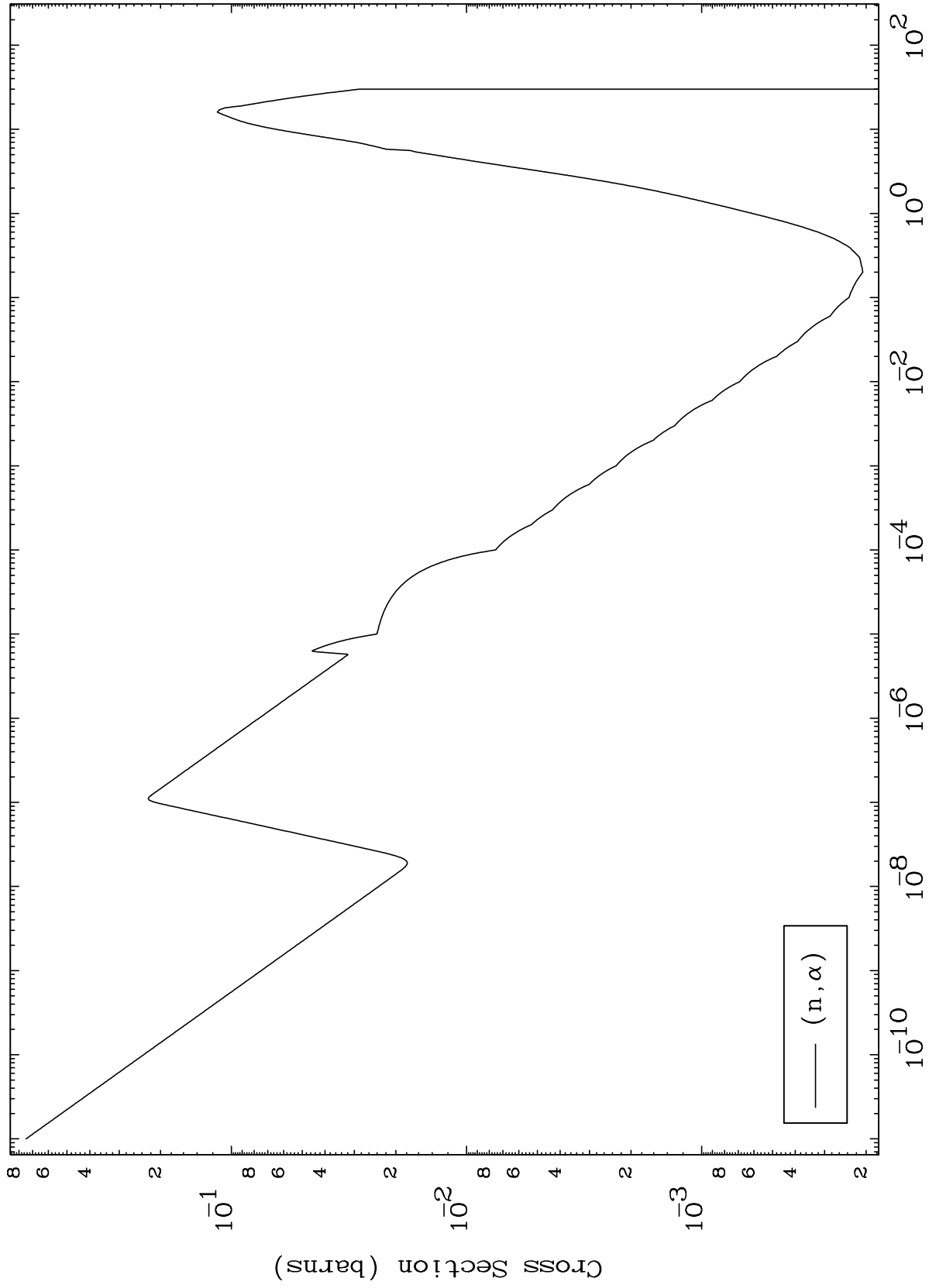
Incident Energy (MeV)

61-Pm-135

MAT 6114

(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

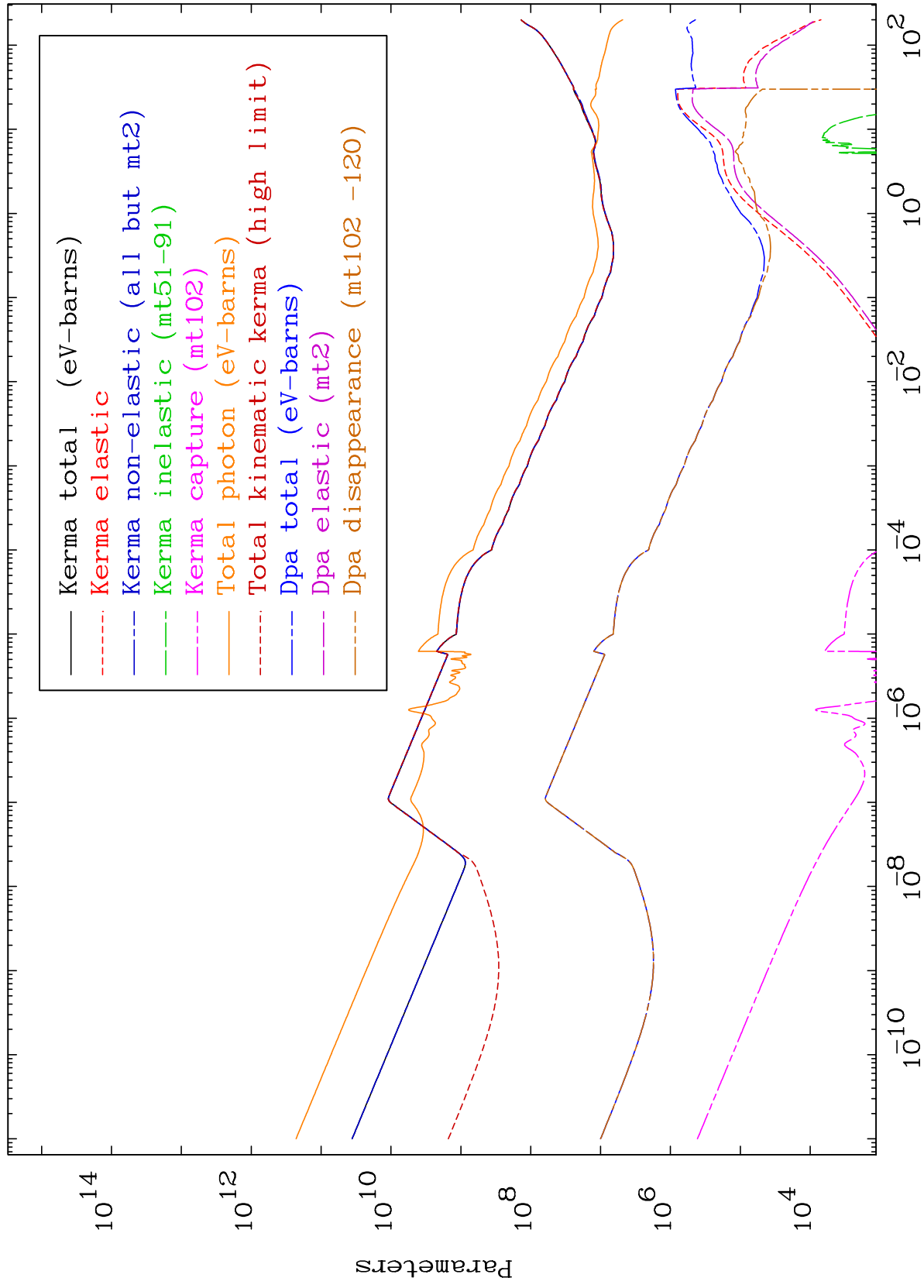
61-Pm-135



13

Incident Energy (MeV)

61-Pm-135



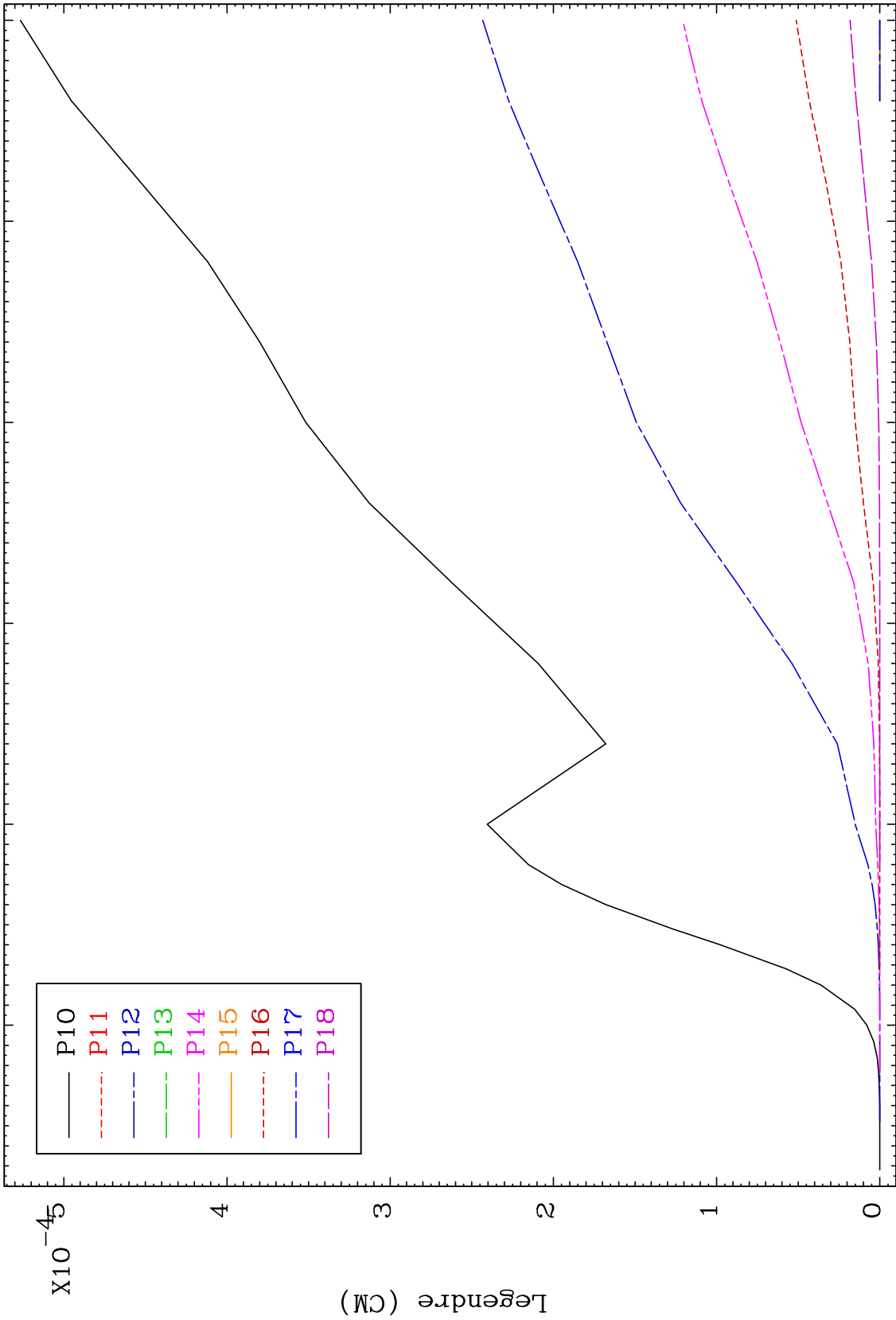




MAT 6114

Elastic Legendre Coefficients

61-Pm-135



16

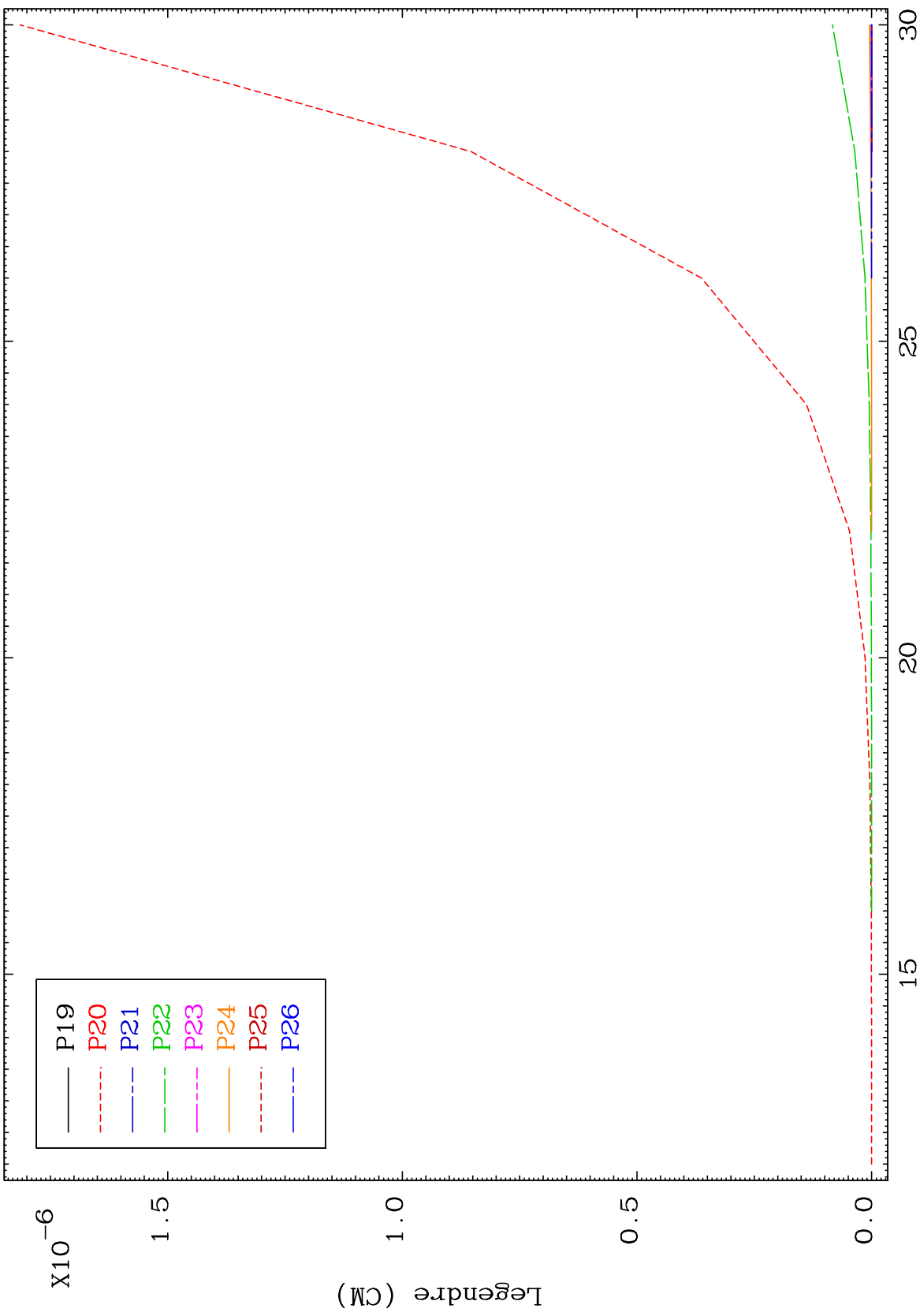
Incident Energy (MeV)

61-Pm-135

MAT 6114

Elastic Legendre Coefficients

61-Pm-135



17

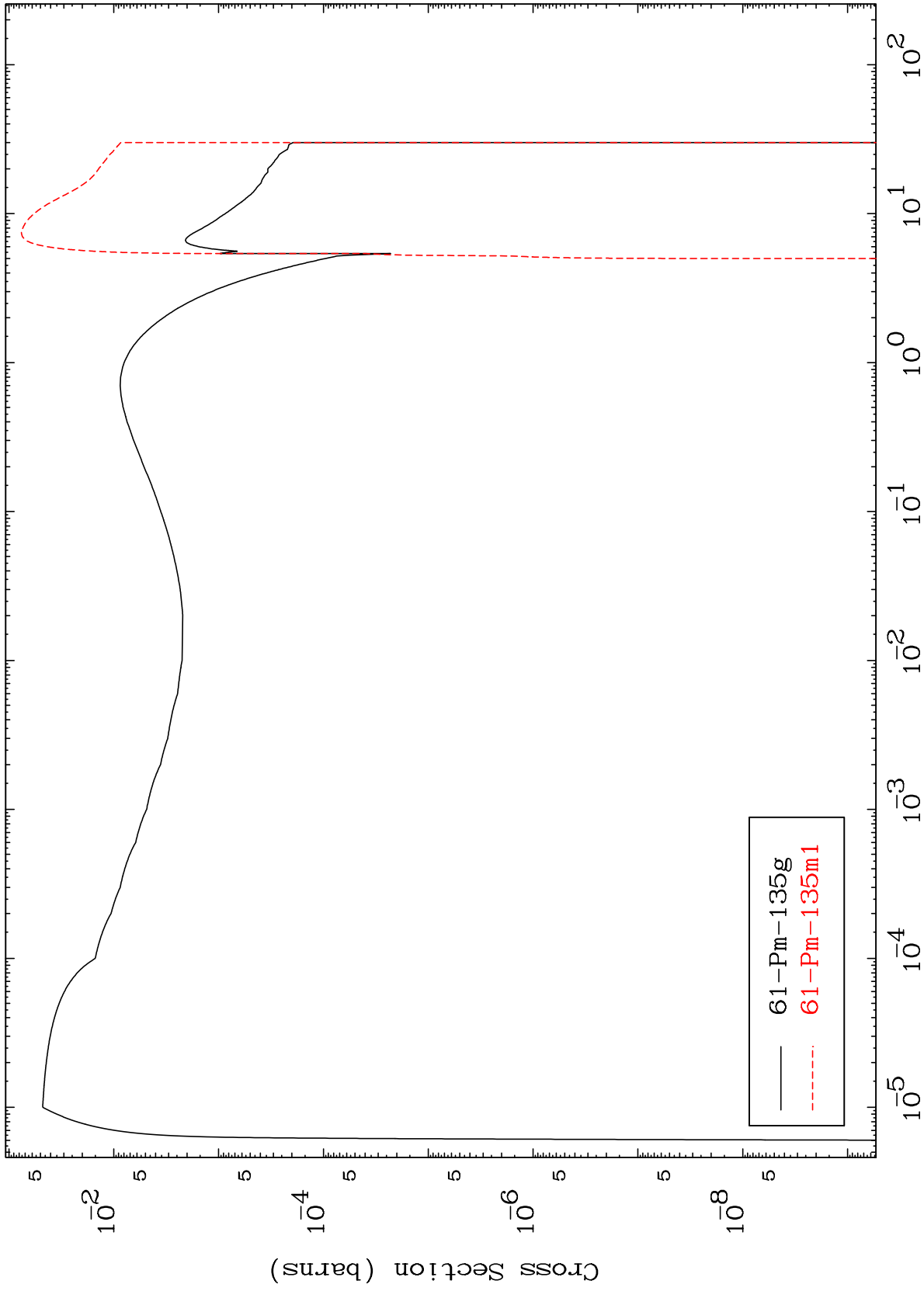
Incident Energy (MeV)

61-Pm-135

MAT 6114

Inelastic  
Radionuclide Production Cross Section

61-Pm-135



18

Incident Energy (MeV)

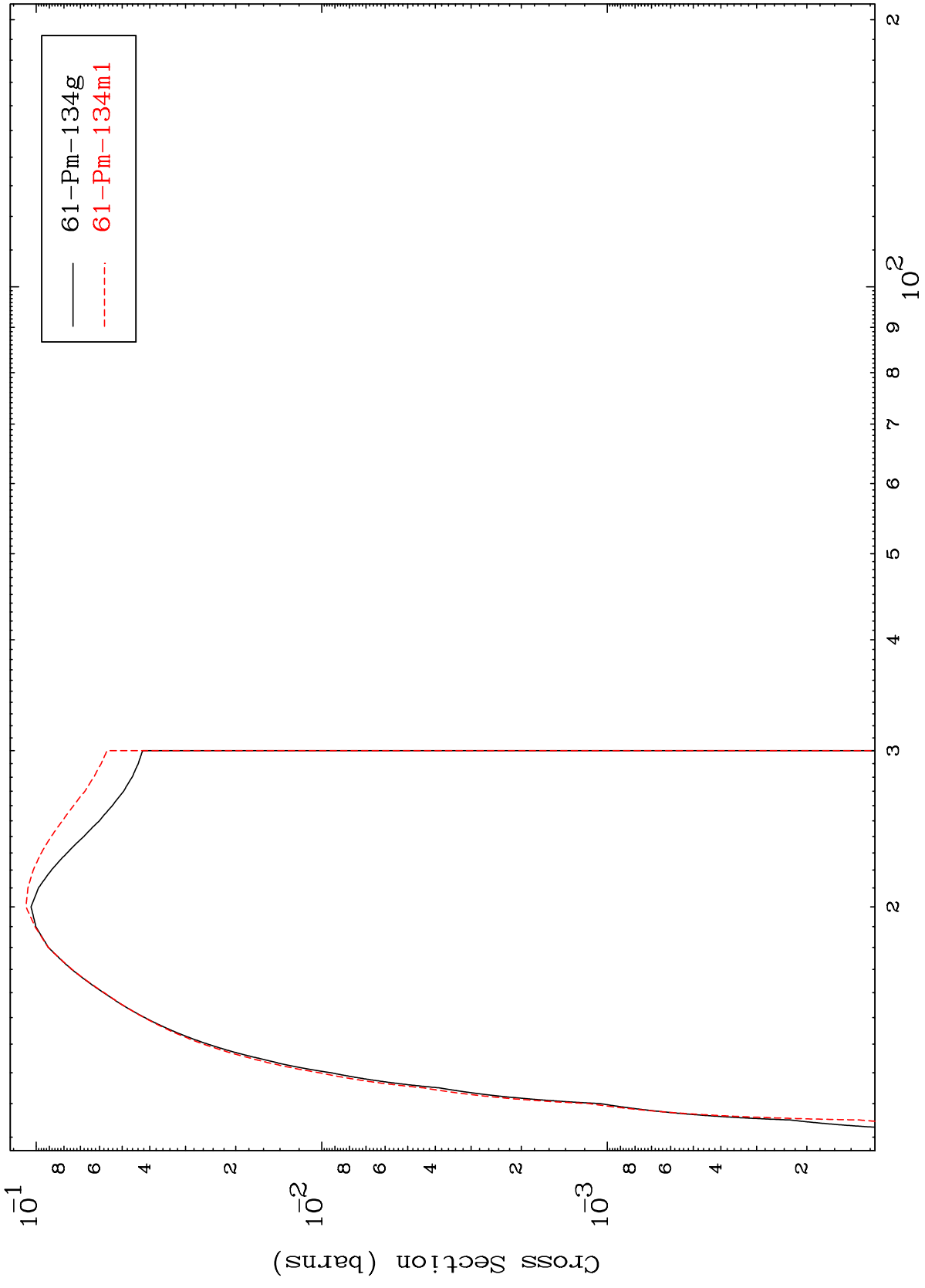
61-Pm-135

MAT 6114

(n,2n)

61-Pm-135

Radionuclide Production Cross Section



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

19

Incident Energy (MeV)

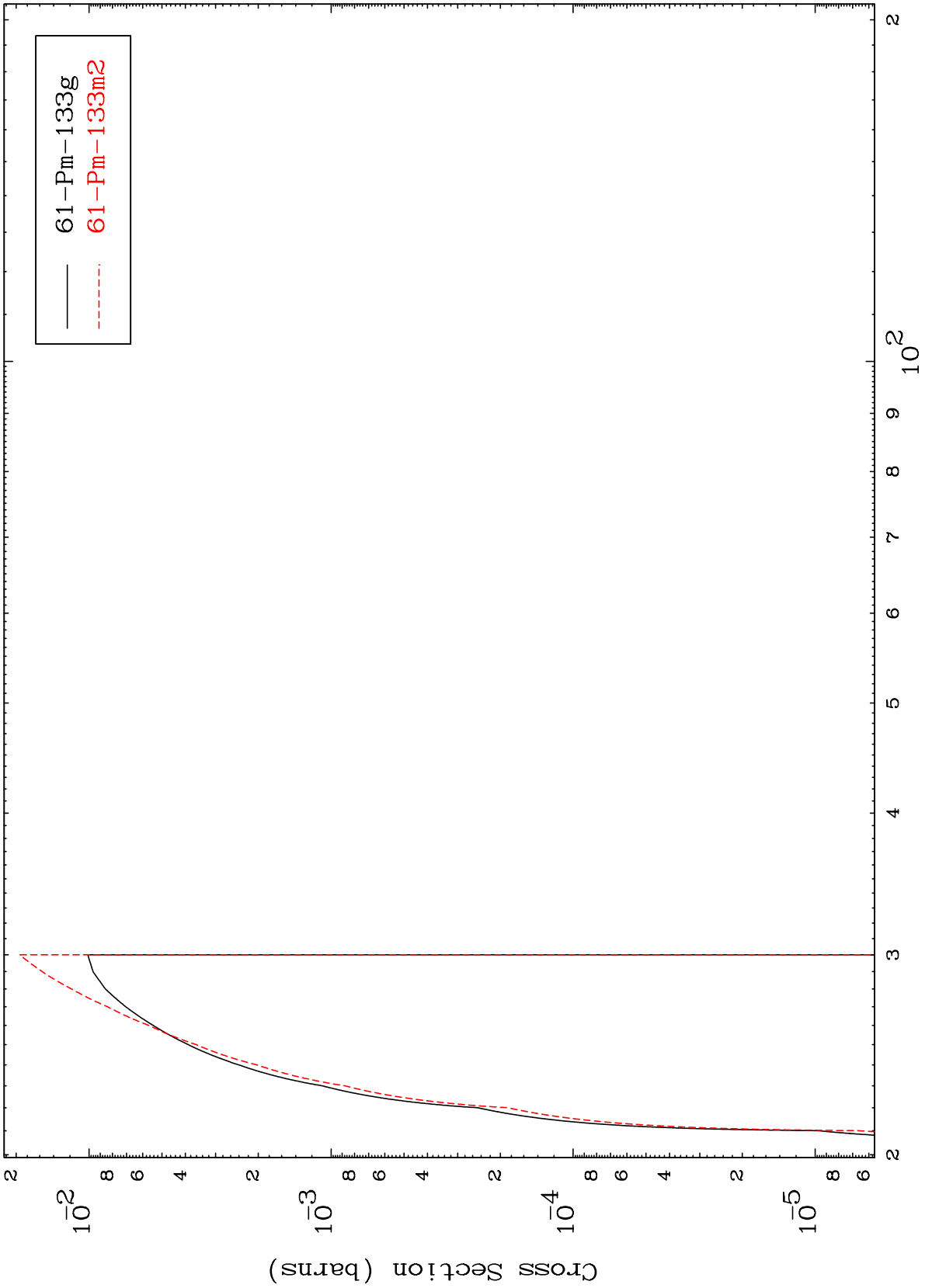
61-Pm-135

MAT 6114

(n,3n)

61-Pm-135

Radionuclide Production Cross Section



20

Incident Energy (MeV)

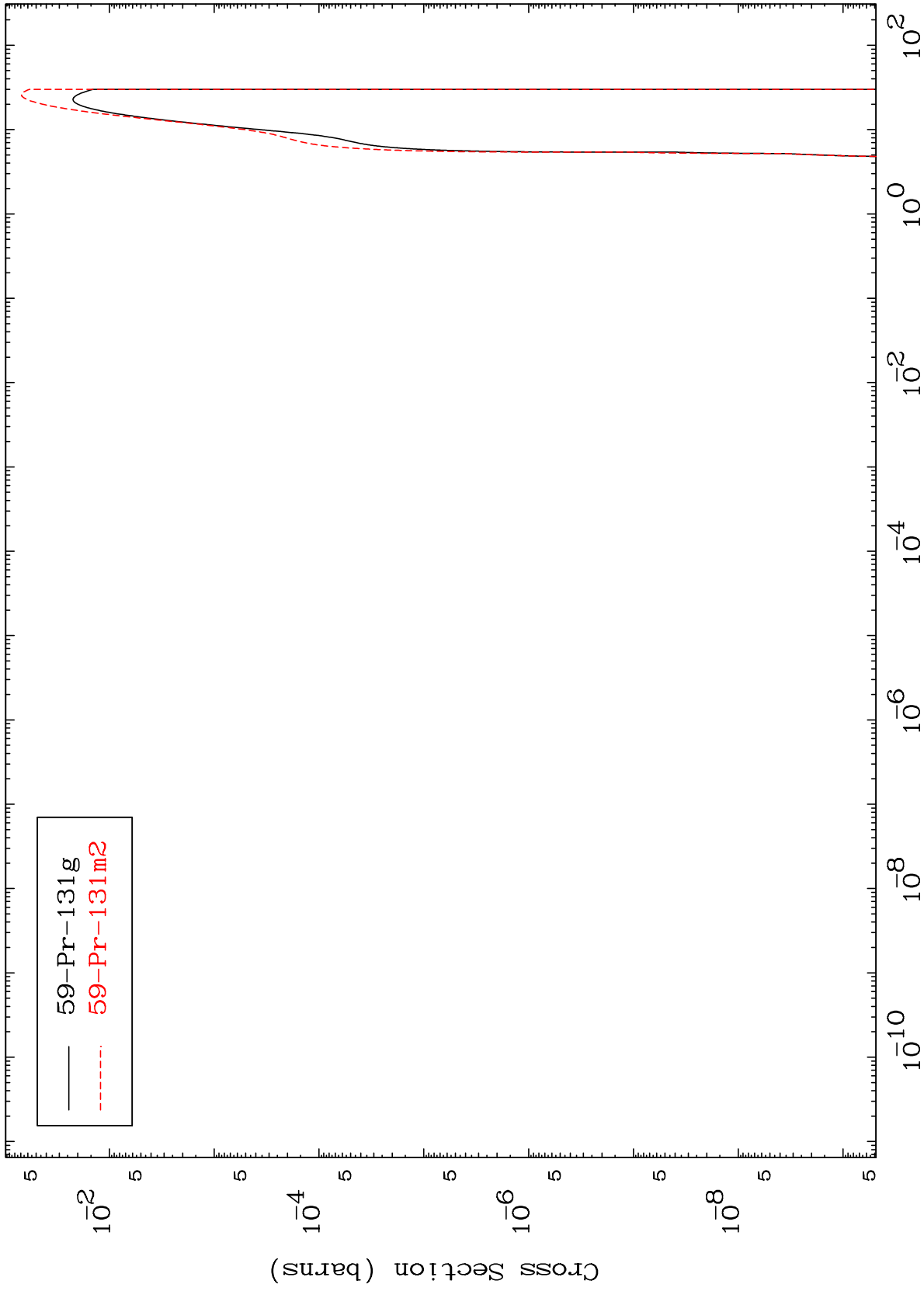
61-Pm-135

MAT 6114

(n, n')  $\alpha$

61-Pm-135

Radionuclide Production Cross Section

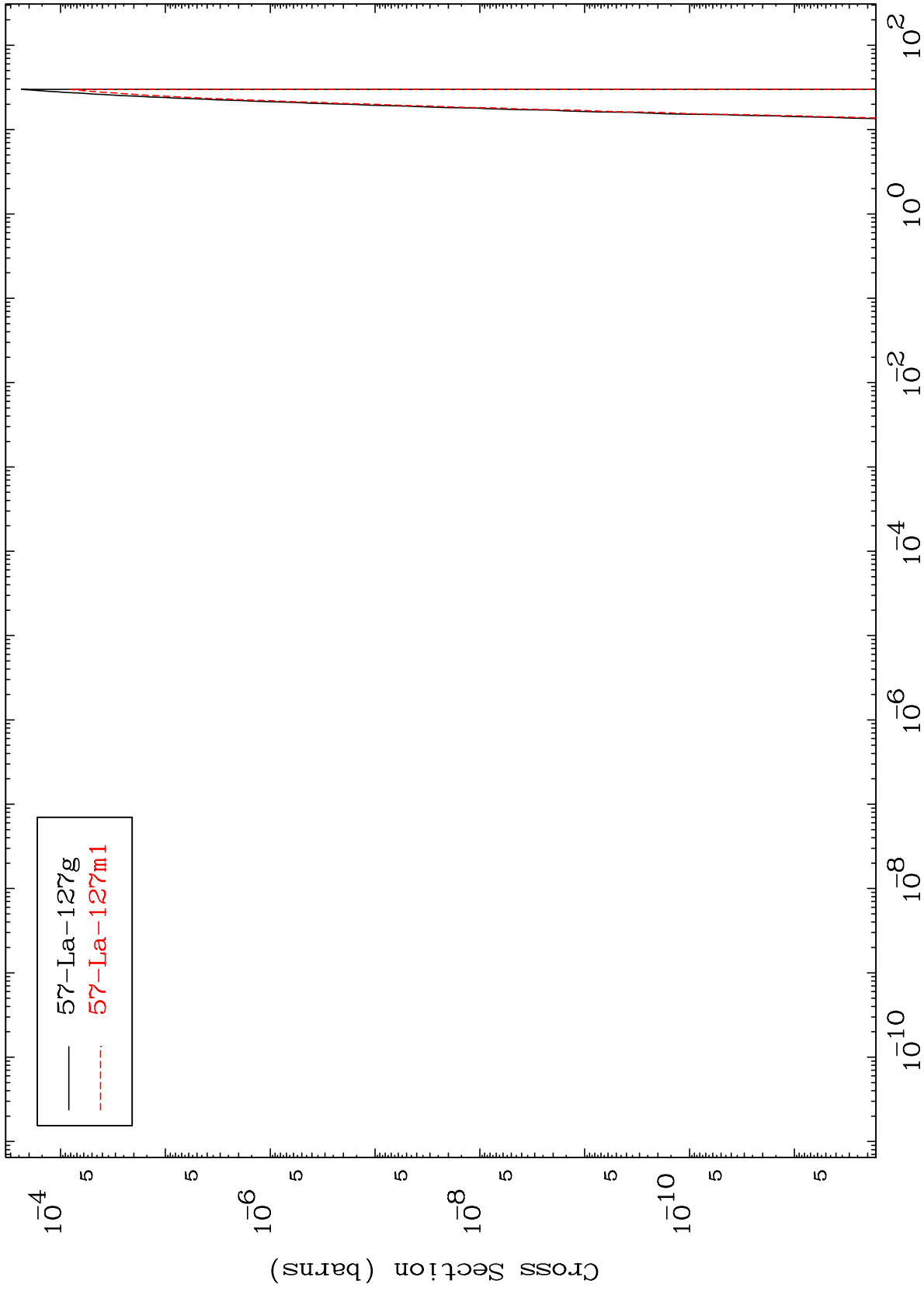


MAT 6114

(n,n') 2 $\alpha$

61-Pm-135

Radionuclide Production Cross Section



22

Incident Energy (MeV)

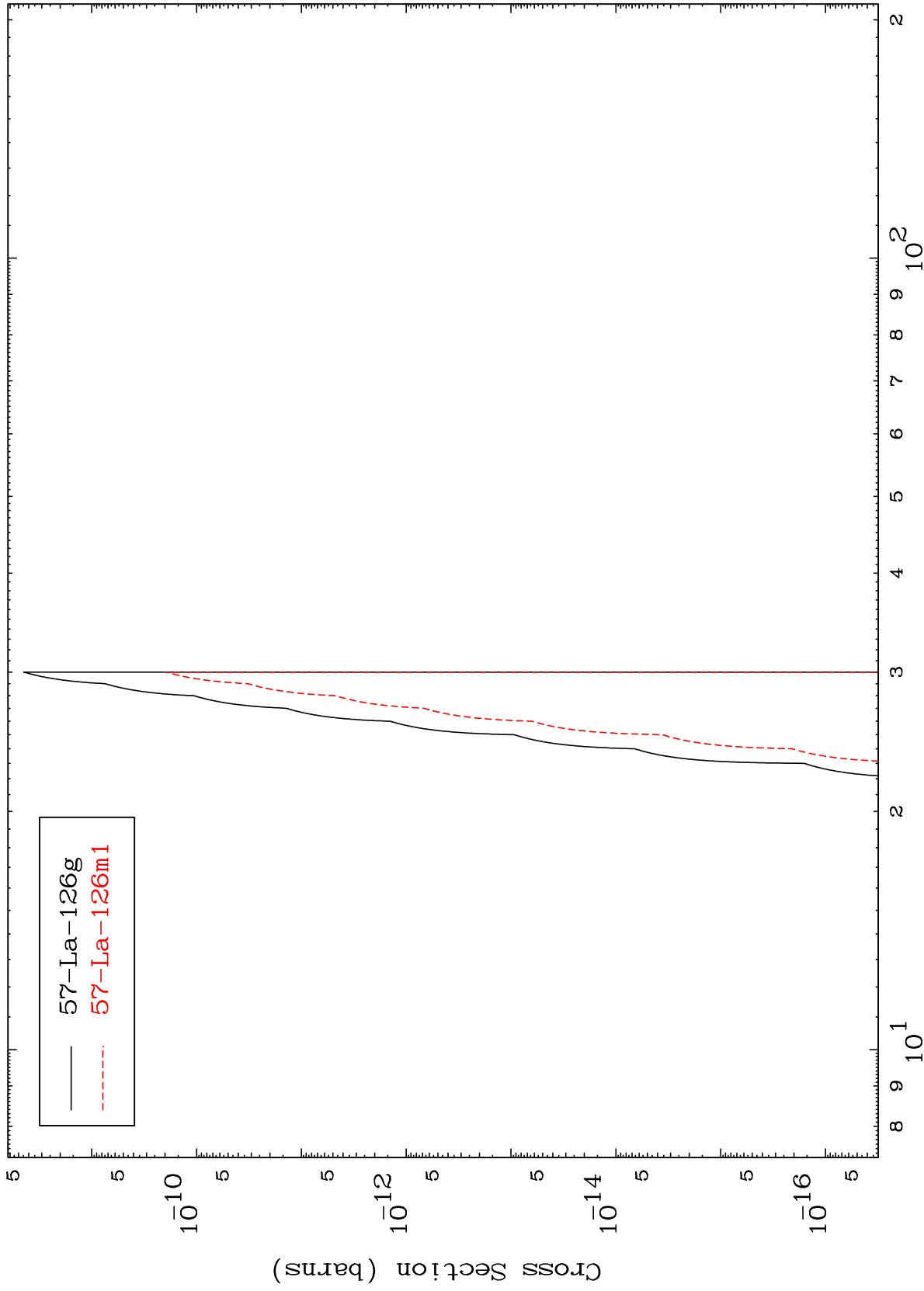
61-Pm-135

MAT 6114

(n,2n) 2α

61-Pm-135

Radionuclide Production Cross Section



23

Incident Energy (MeV)

61-Pm-135

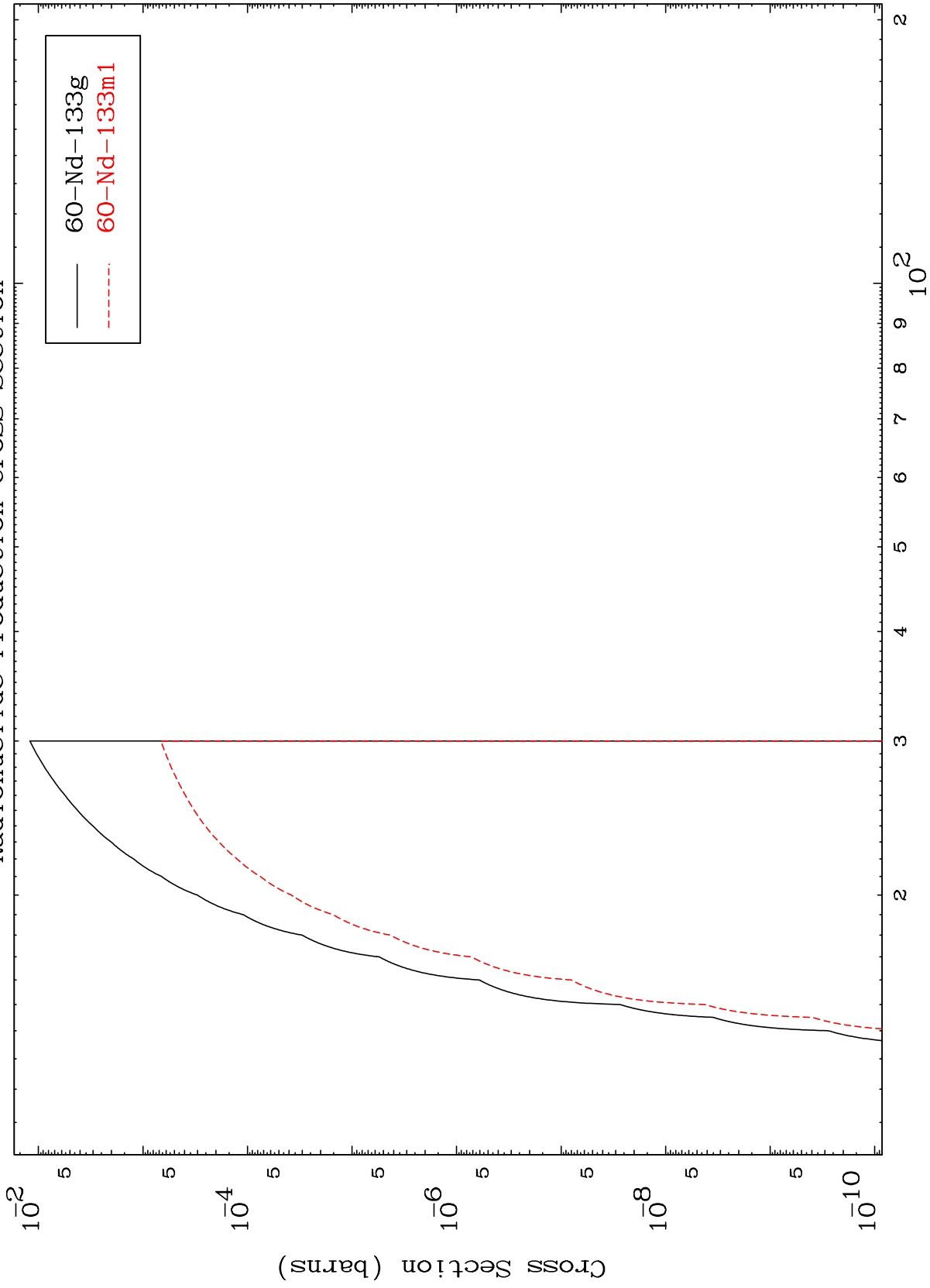


MAT 6114

(n, n') d

61-Pm-135

Radionuclide Production Cross Section



24

Incident Energy (MeV)

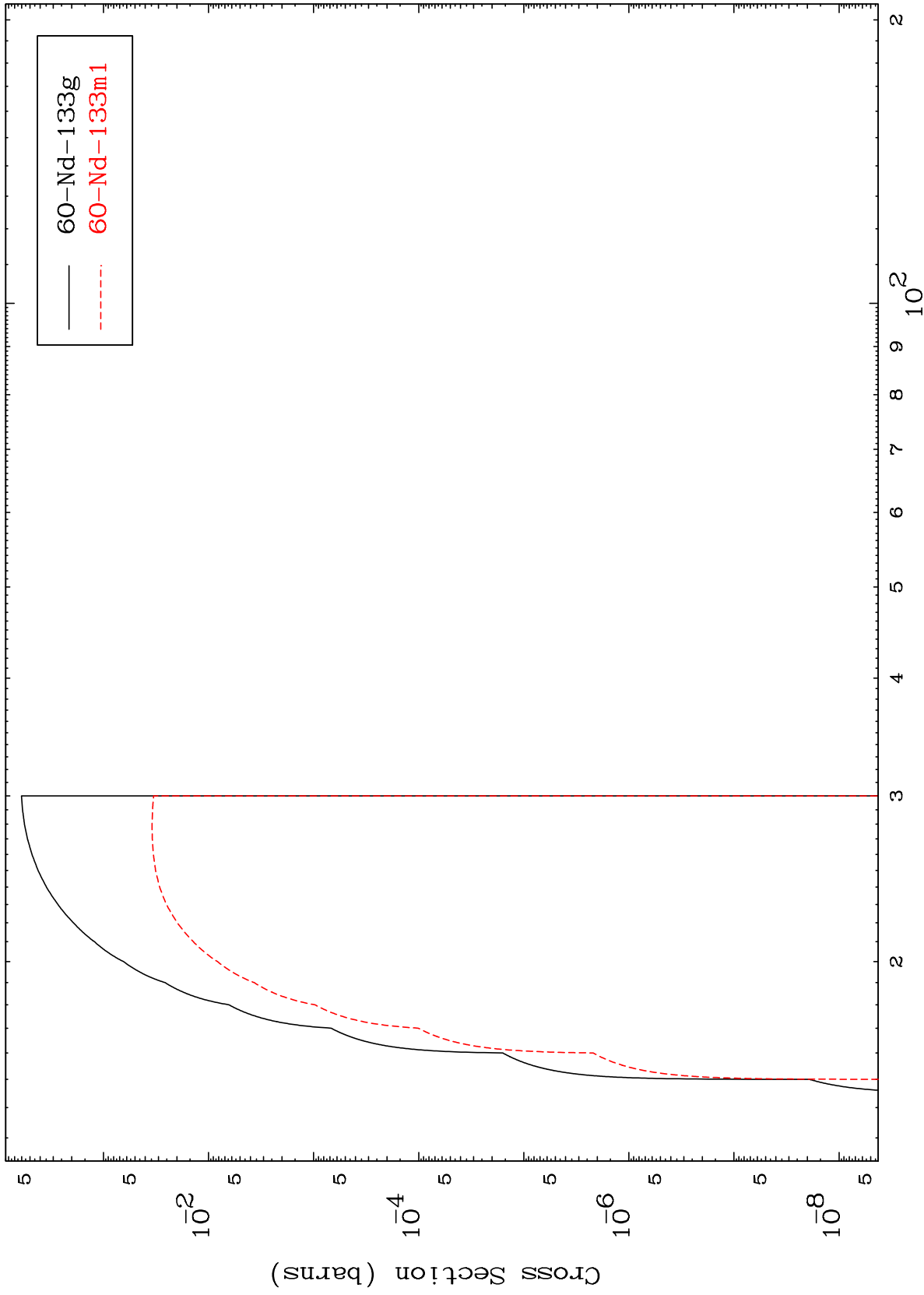
61-Pm-135

MAT 6114

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



25

Incident Energy (MeV)

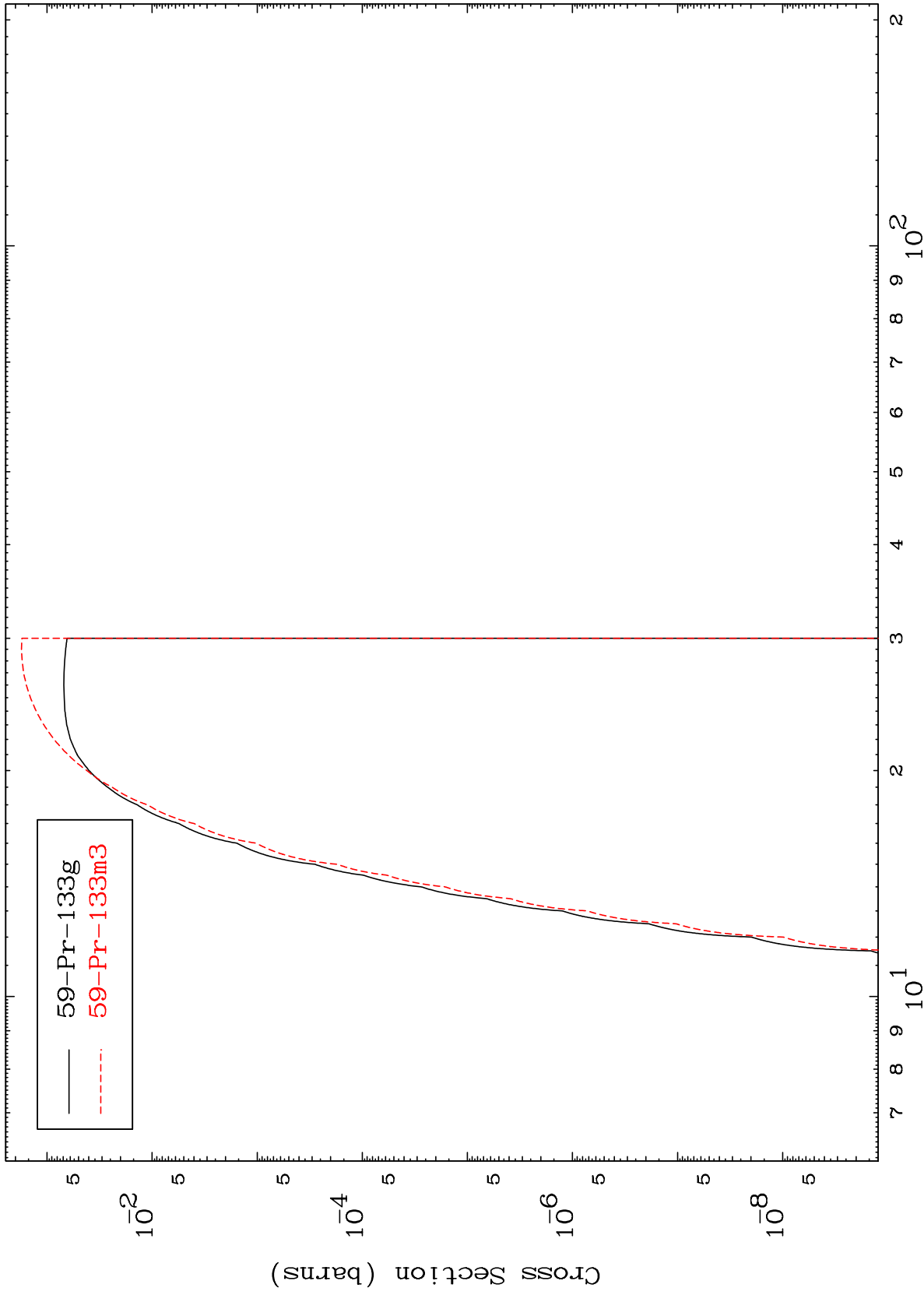
61-Pm-135

MAT 6114

(n,2n) p

61-Pm-135

Radionuclide Production Cross Section



26

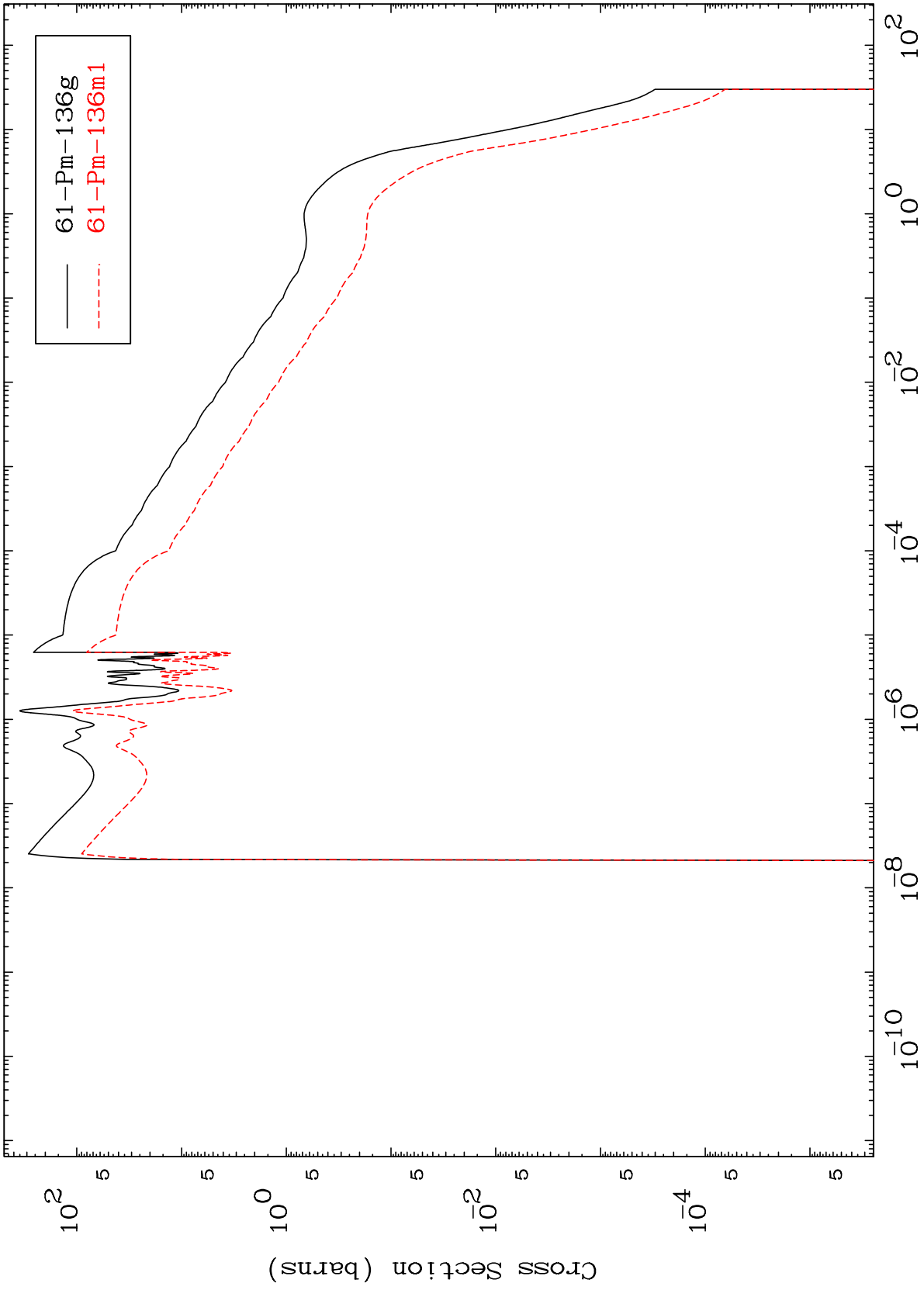
Incident Energy (MeV)

61-Pm-135

MAT 6114

61-Pm-135

Radionuclide Production Cross Section



27

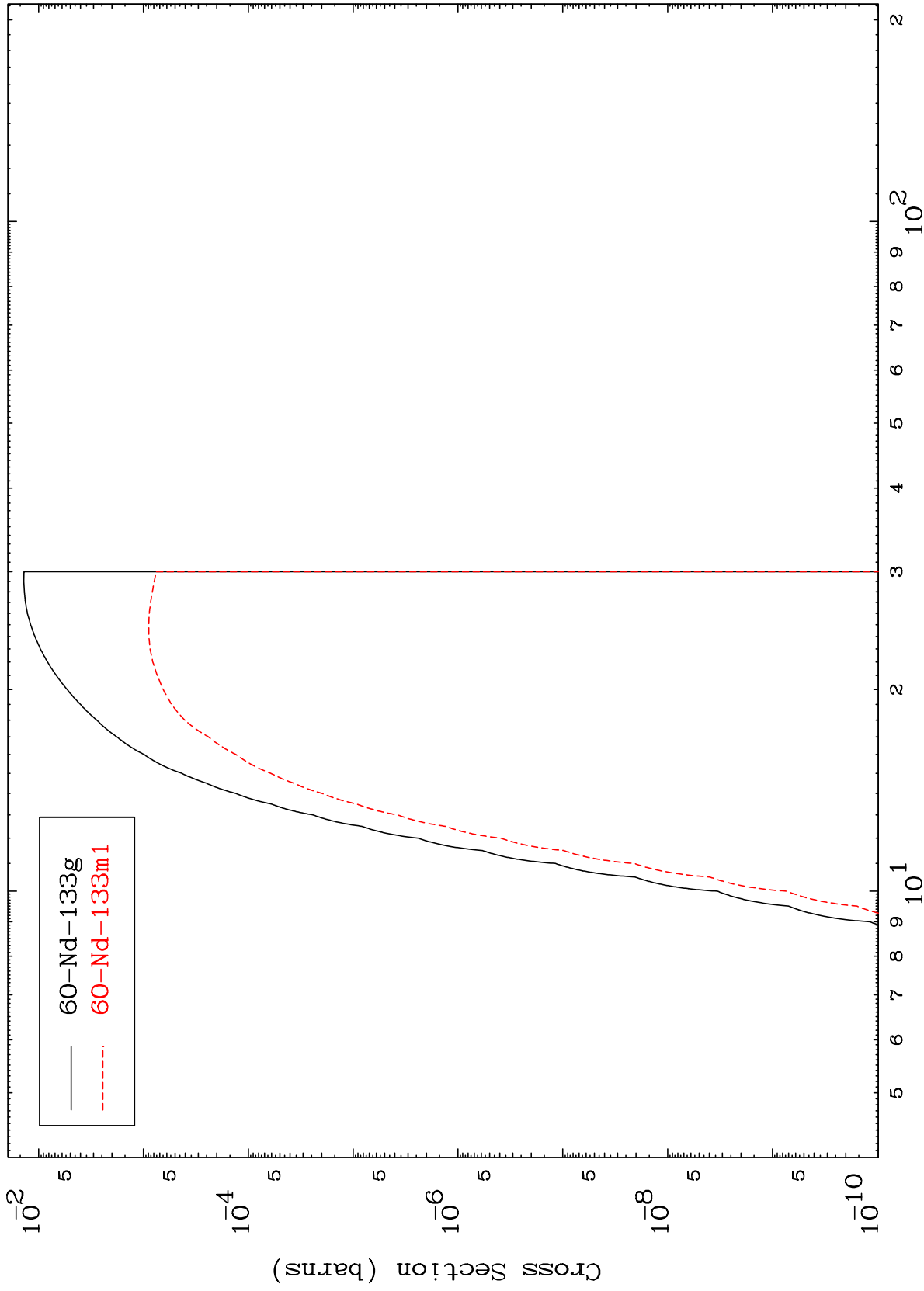
61-Pm-135

MAT 6114

(n, t)

61-Pm-135

Radionuclide Production Cross Section



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

28

Incident Energy (MeV)

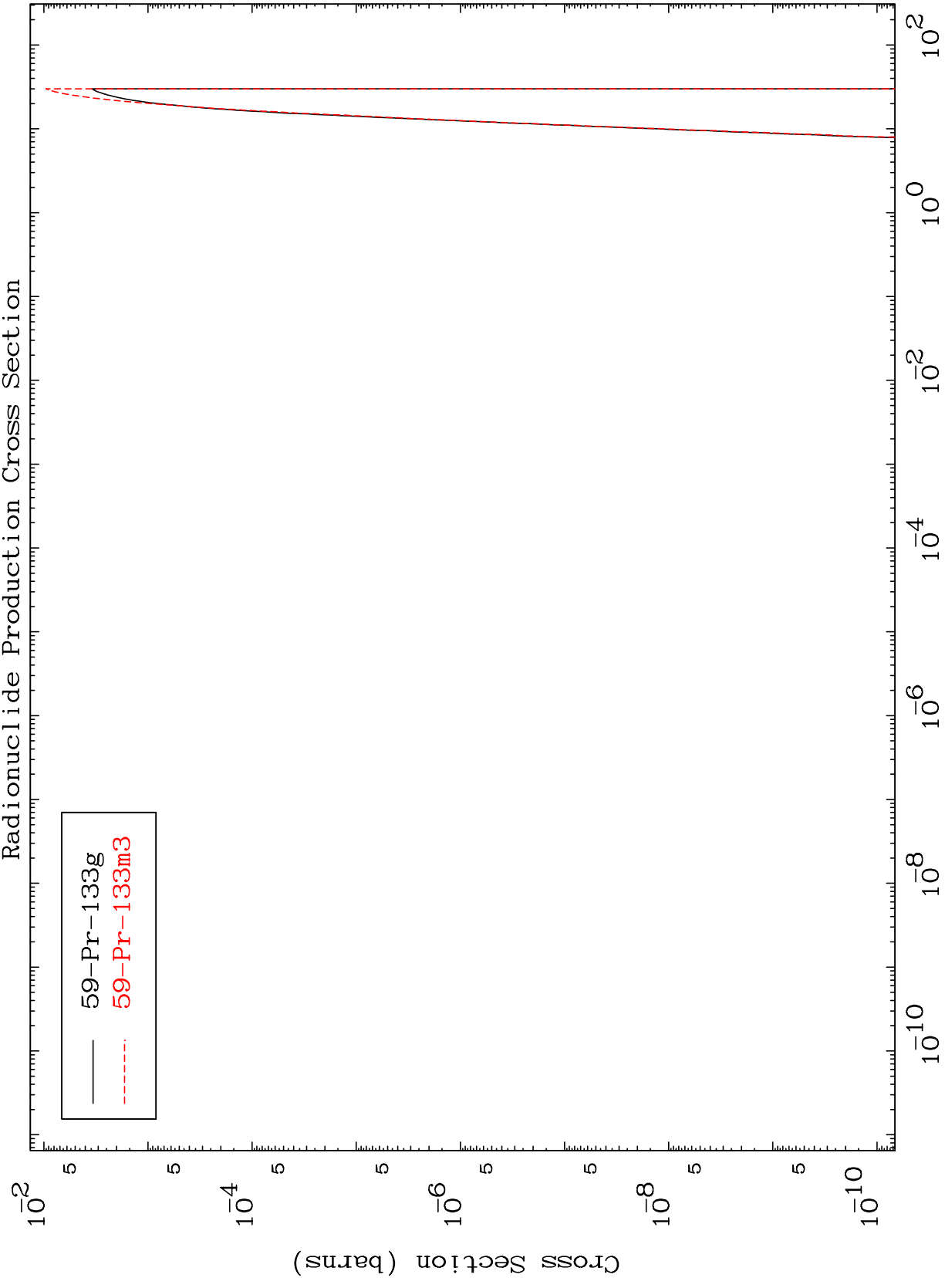
61-Pm-135

MAT 6114

(n, He-3)

61-Pm-135

Radionuclide Production Cross Section



29

Incident Energy (MeV)

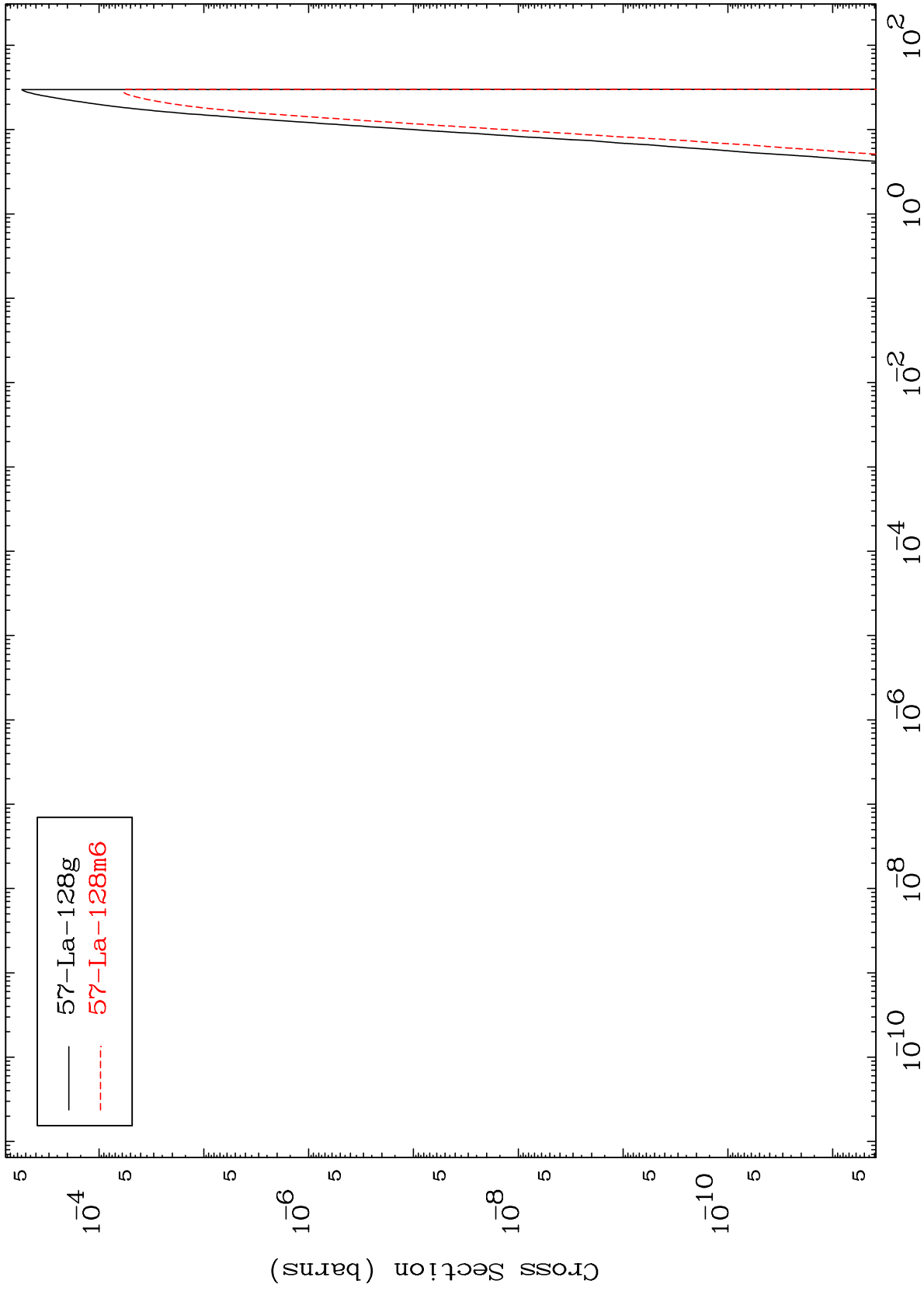
61-Pm-135

MAT 6114

(n,2α)

61-Pm-135

Radionuclide Production Cross Section



30

Incident Energy (MeV)

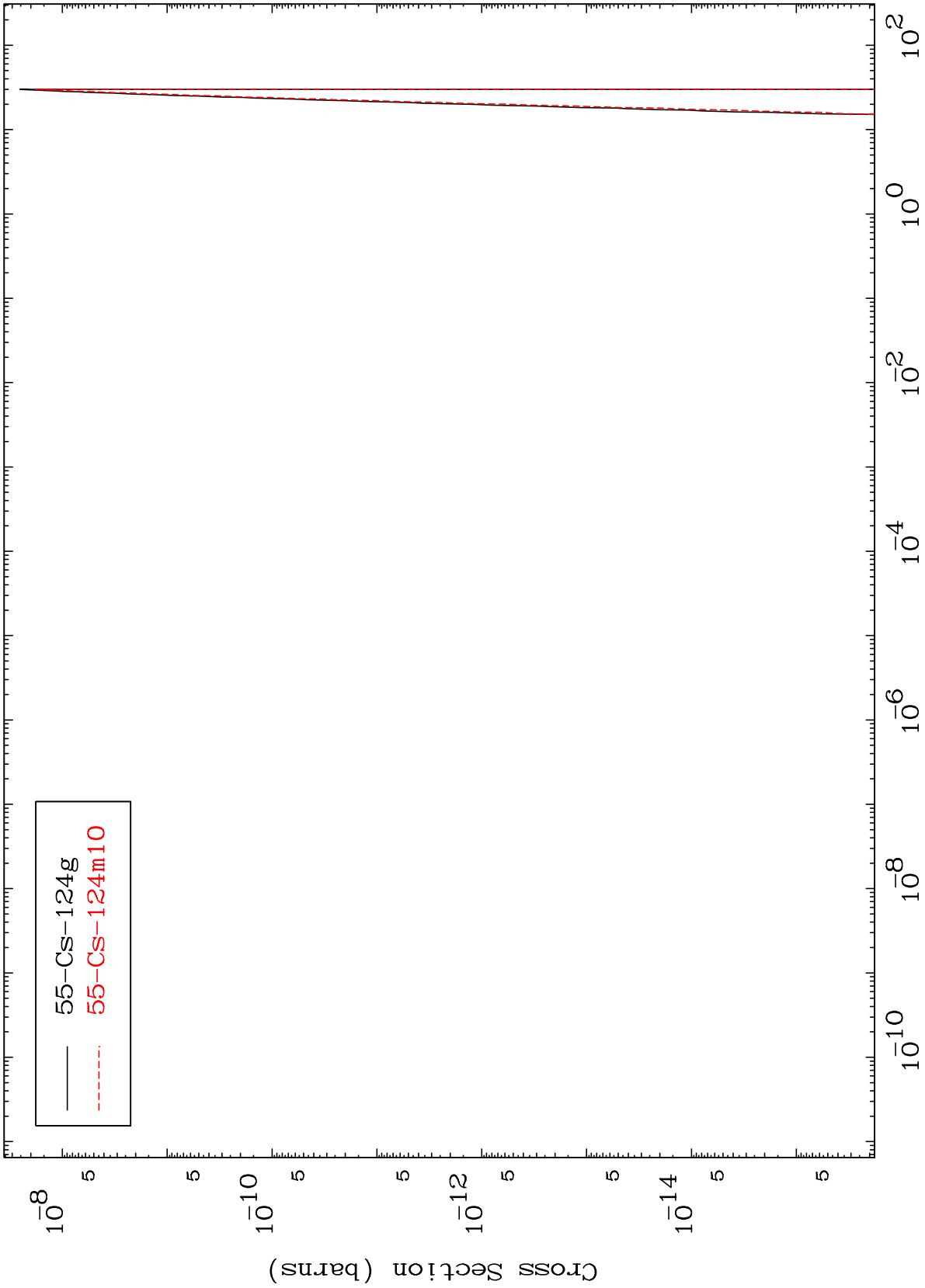
61-Pm-135

MAT 6114

(n,3α)

61-Pm-135

Radionuclide Production Cross Section

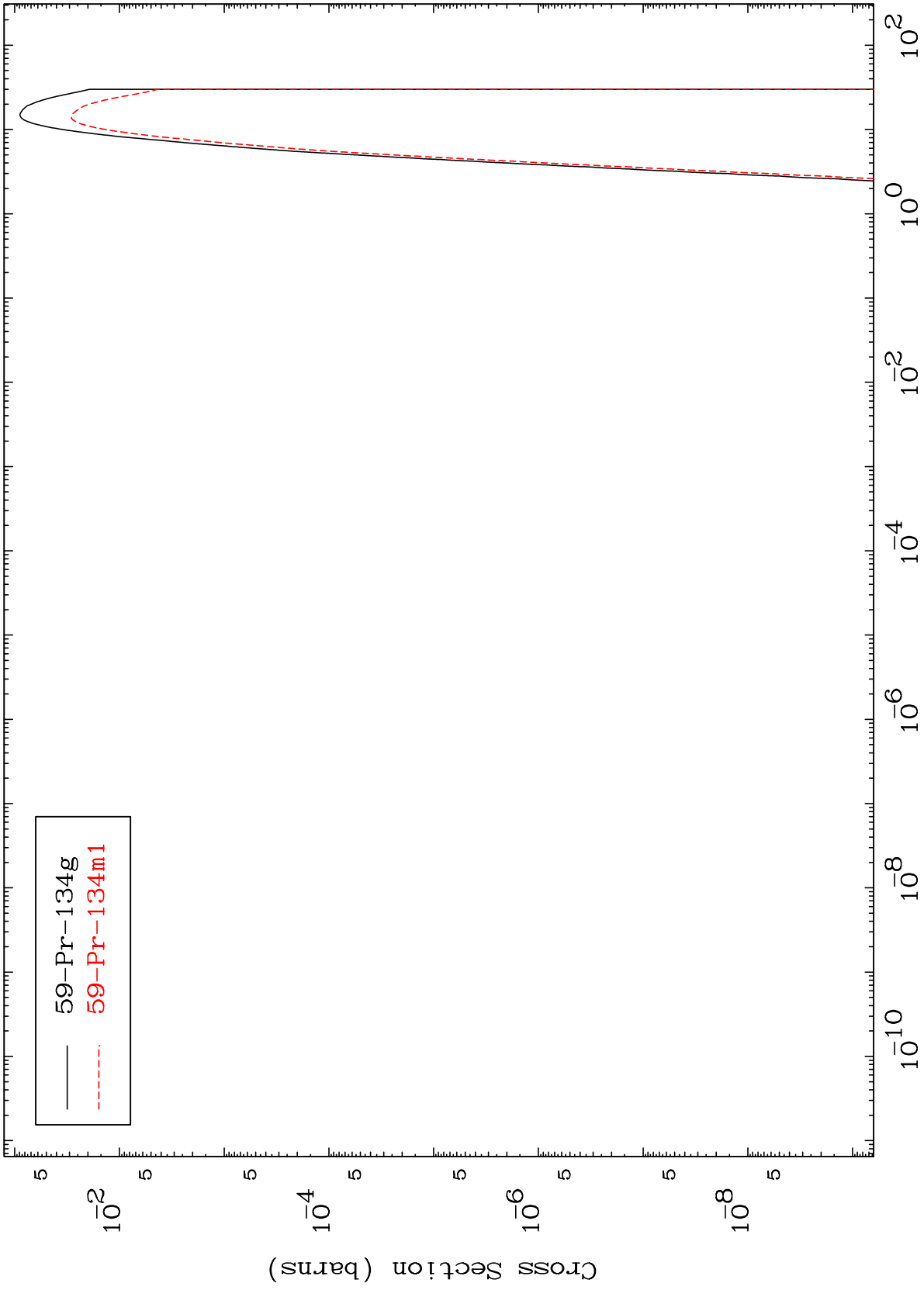




MAT 6114

(n,2p)  
Radionuclide Production Cross Section

61-Pm-135



32

Incident Energy (MeV)

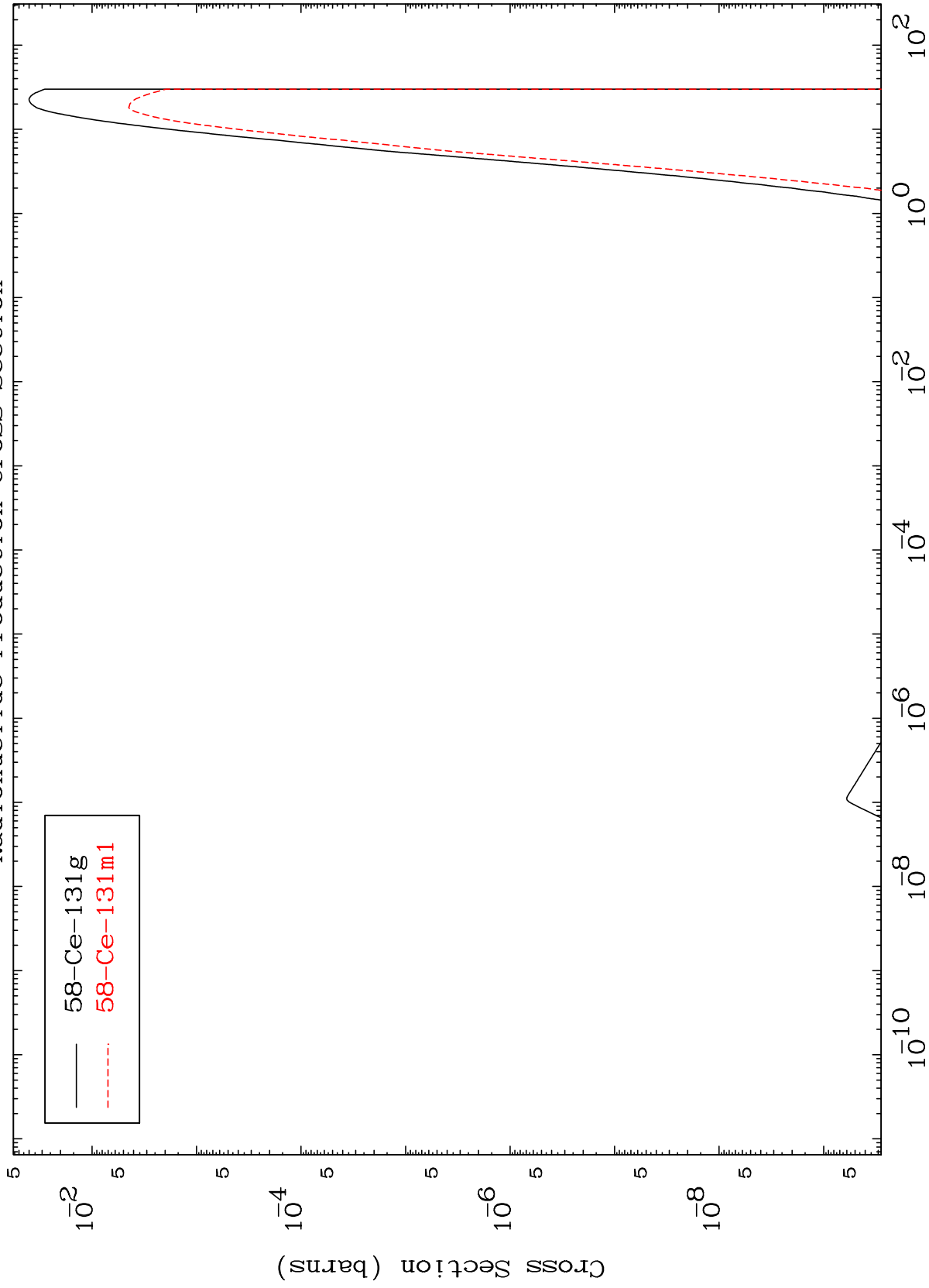
61-Pm-135

MAT 6114

(n,p)  $\alpha$

61-Pm-135

Radionuclide Production Cross Section



33

Incident Energy (MeV)

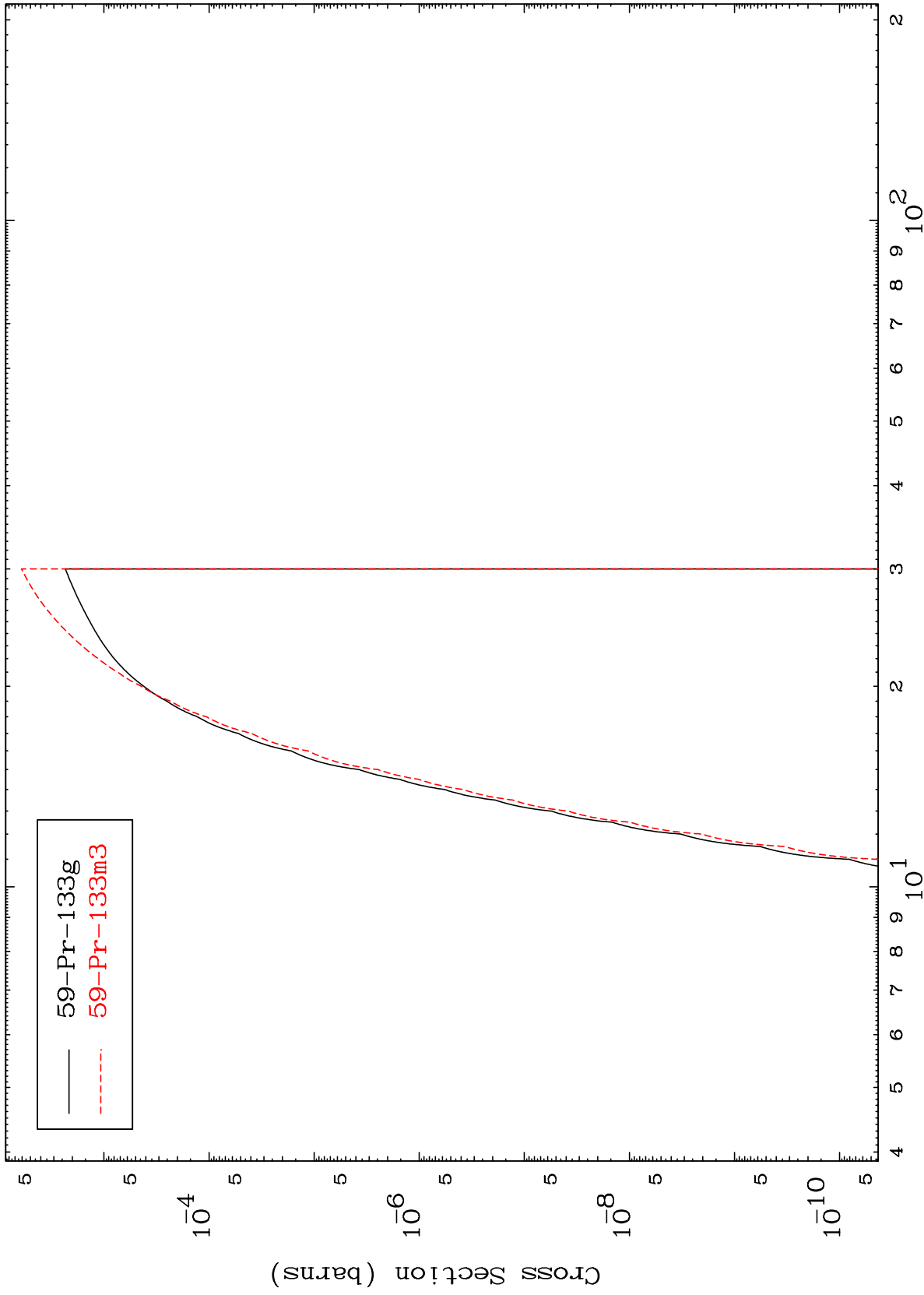
61-Pm-135

MAT 6114

(n,p) d

61-Pm-135

Radionuclide Production Cross Section



34

Incident Energy (MeV)

61-Pm-135