

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

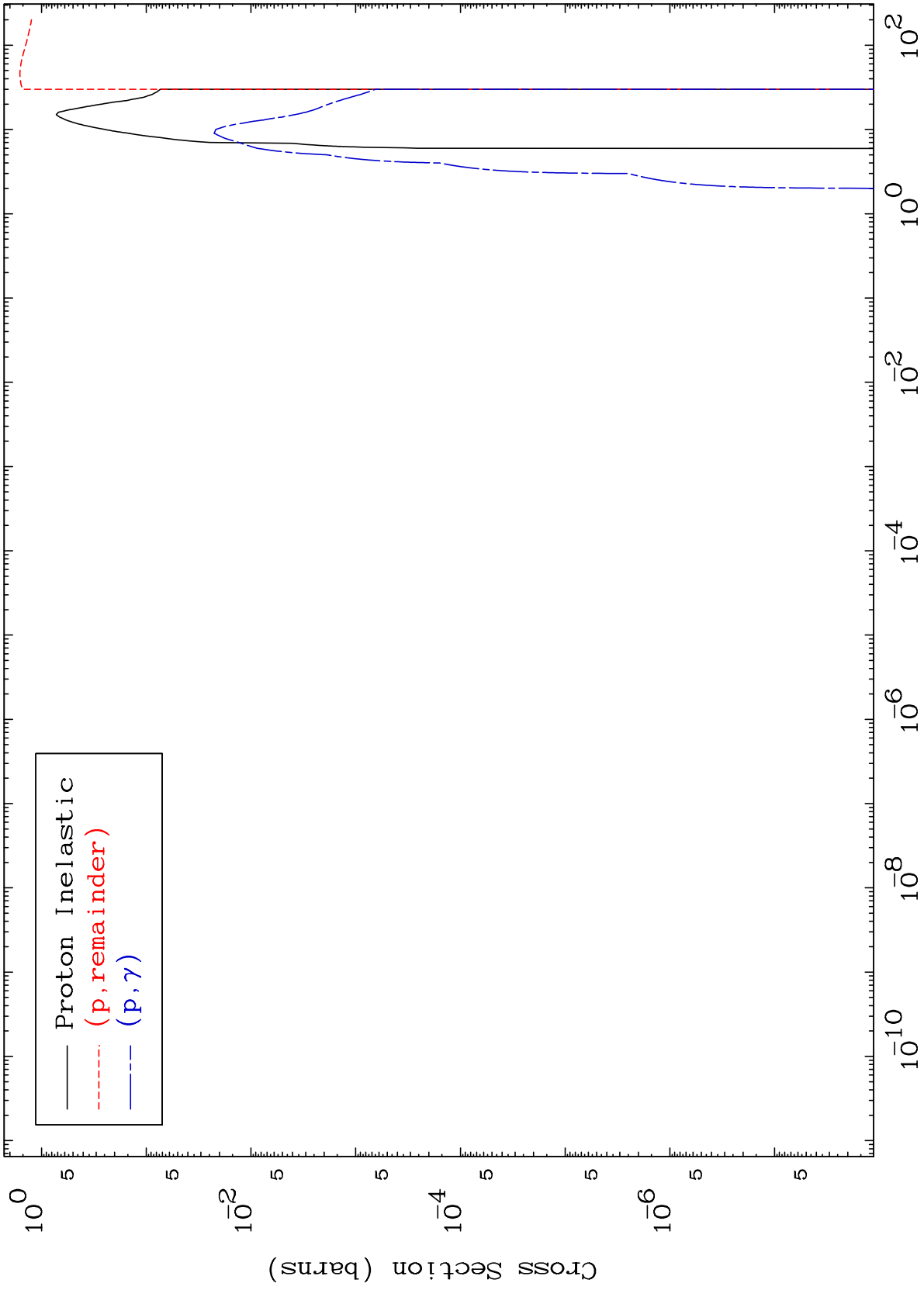
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6125

Proton Major  
0 Kelvin Cross Sections

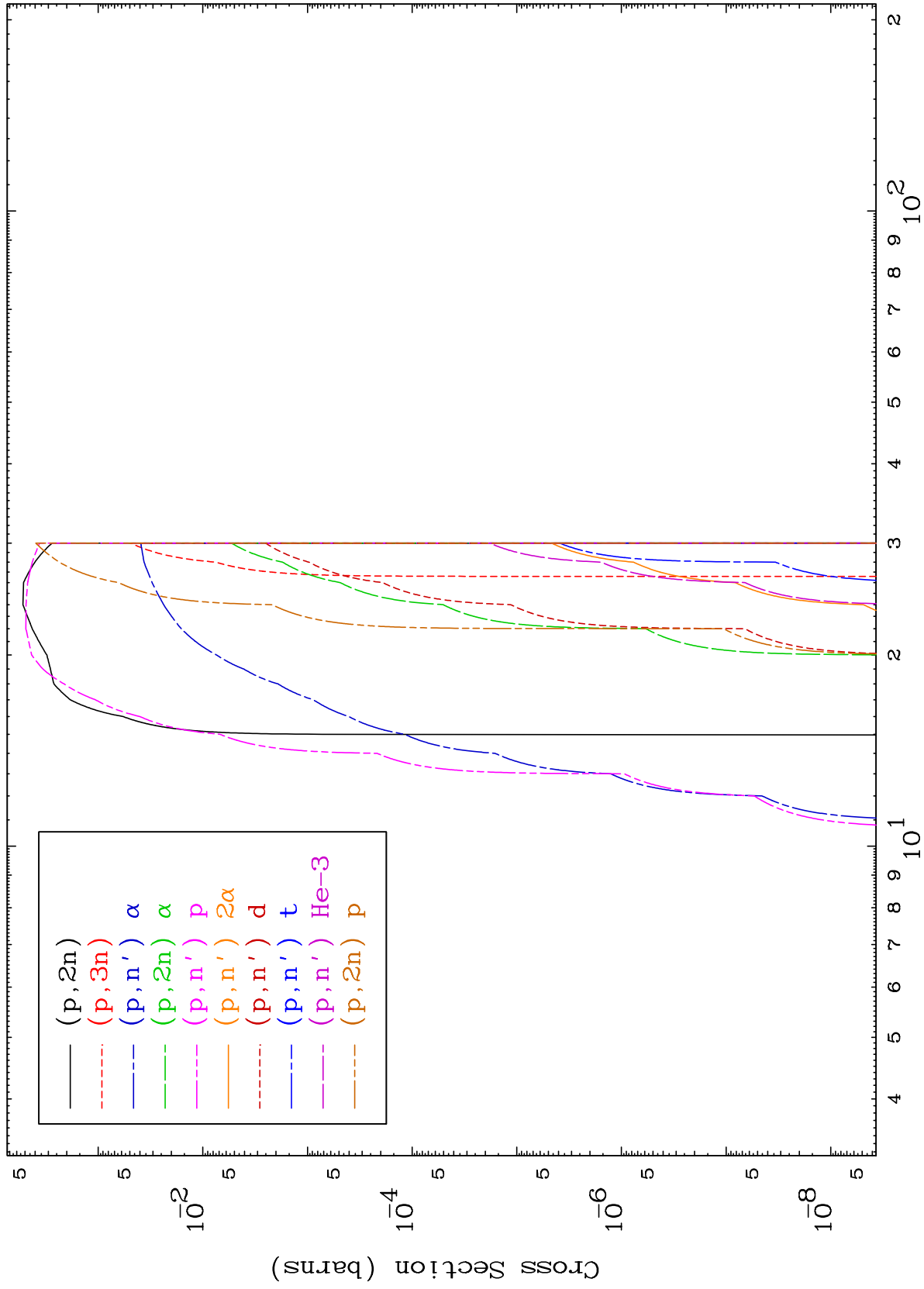
61-Pm-139



1

Incident Energy (MeV)

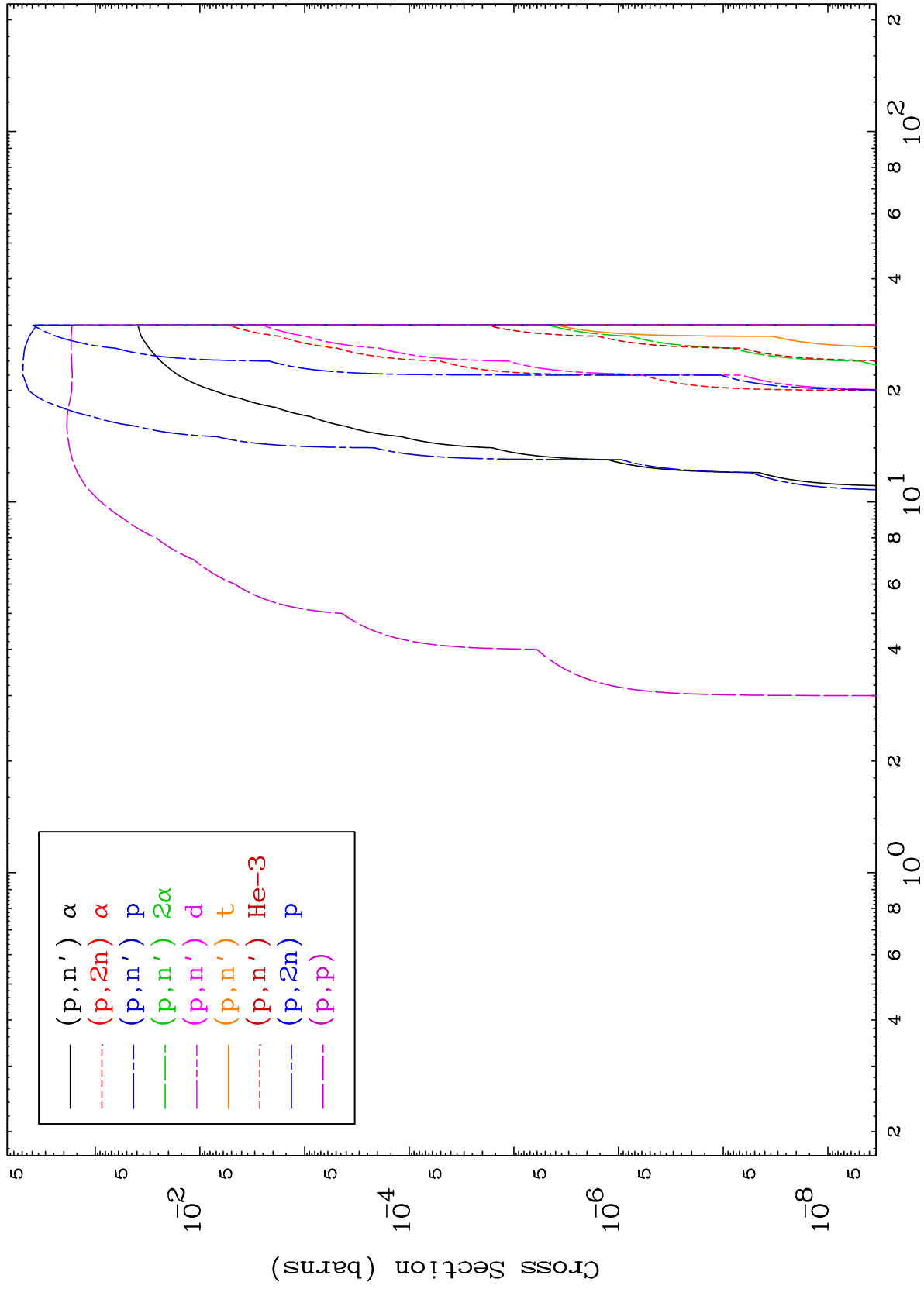
61-Pm-139



MAT 6125

Proton Charged Particle  
0 Kelvin Cross Sections

61-Pm-139



3

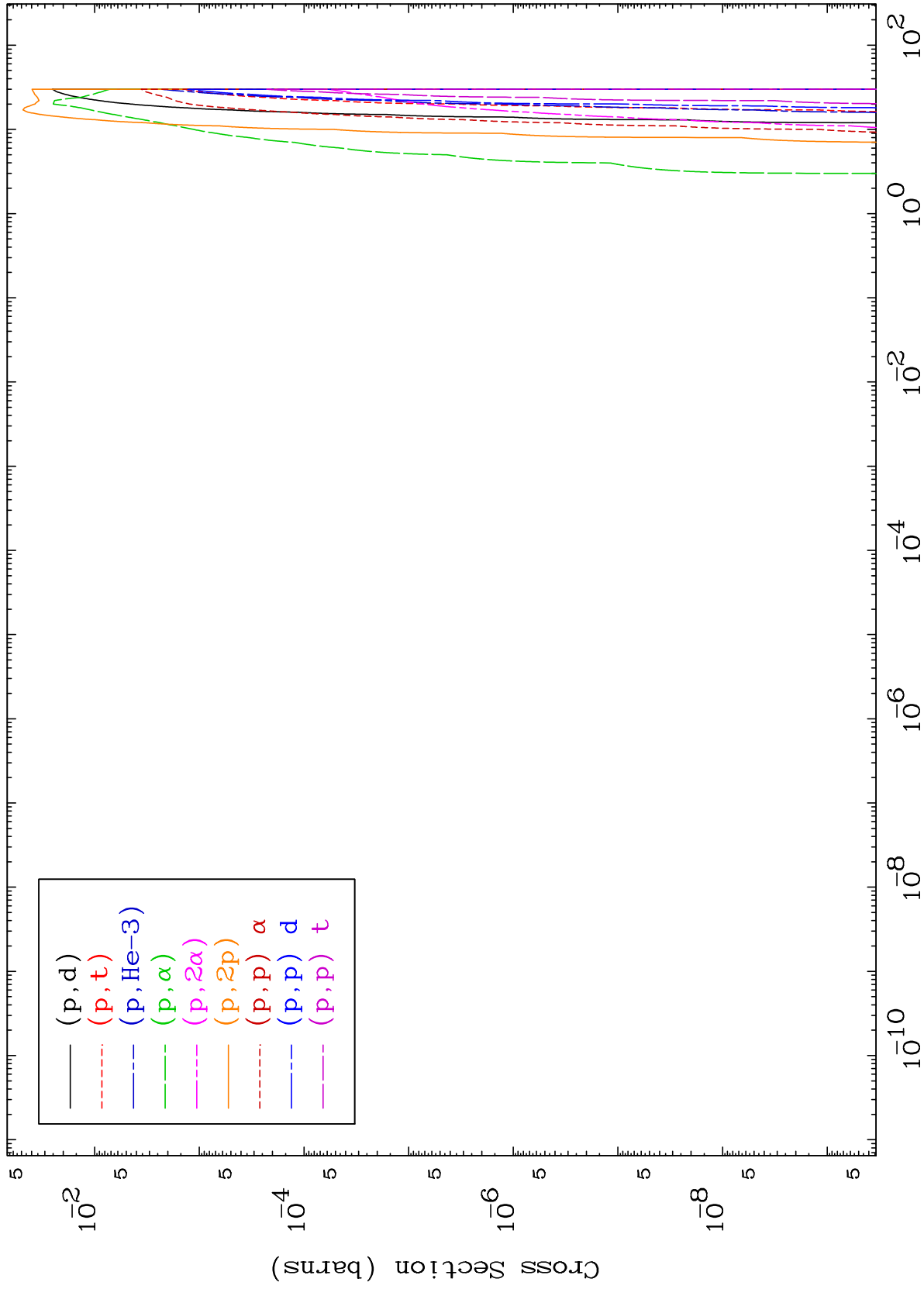
Incident Energy (MeV)

61-Pm-139

MAT 6125

Proton Charged Particle  
0 Kelvin Cross Sections

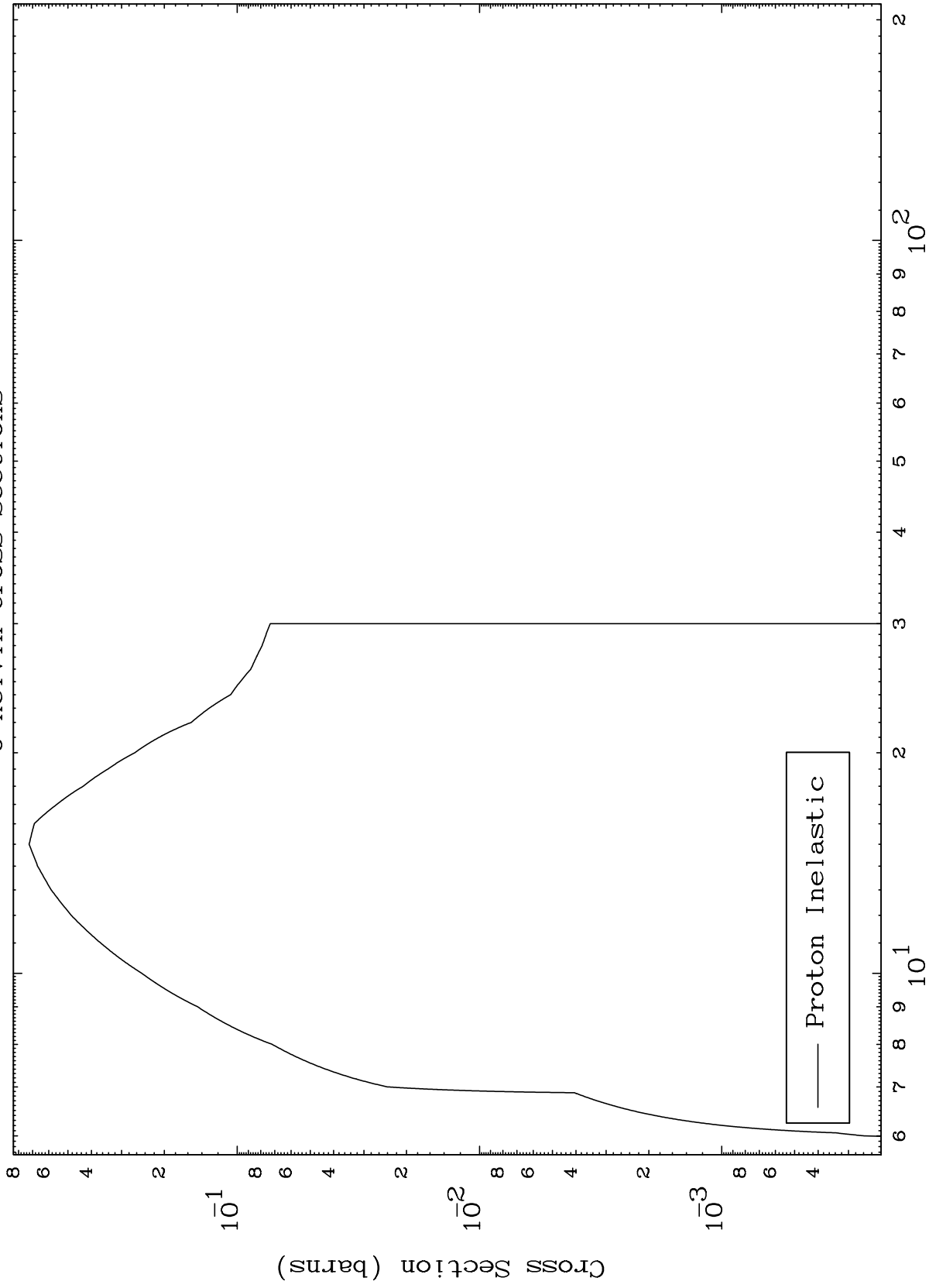
61-Pm-139



MAT 6125

(p,n') Level  
0 Kelvin Cross Sections

61-Pm-139



5

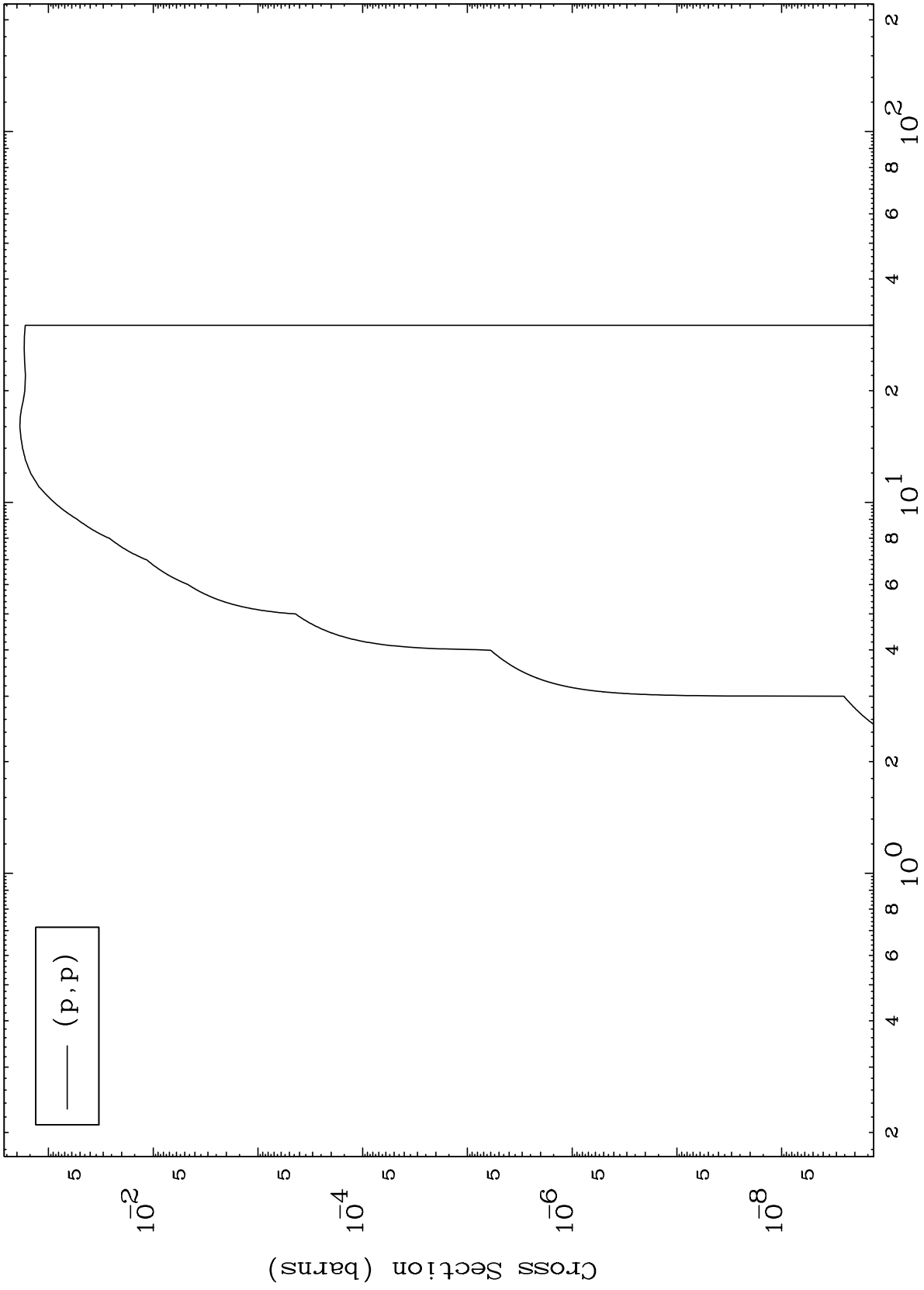
61-Pm-139

61-Pm-139

MAT 6125

(p,p) Levels  
0 Kelvin Cross Sections

61-Pm-139



6

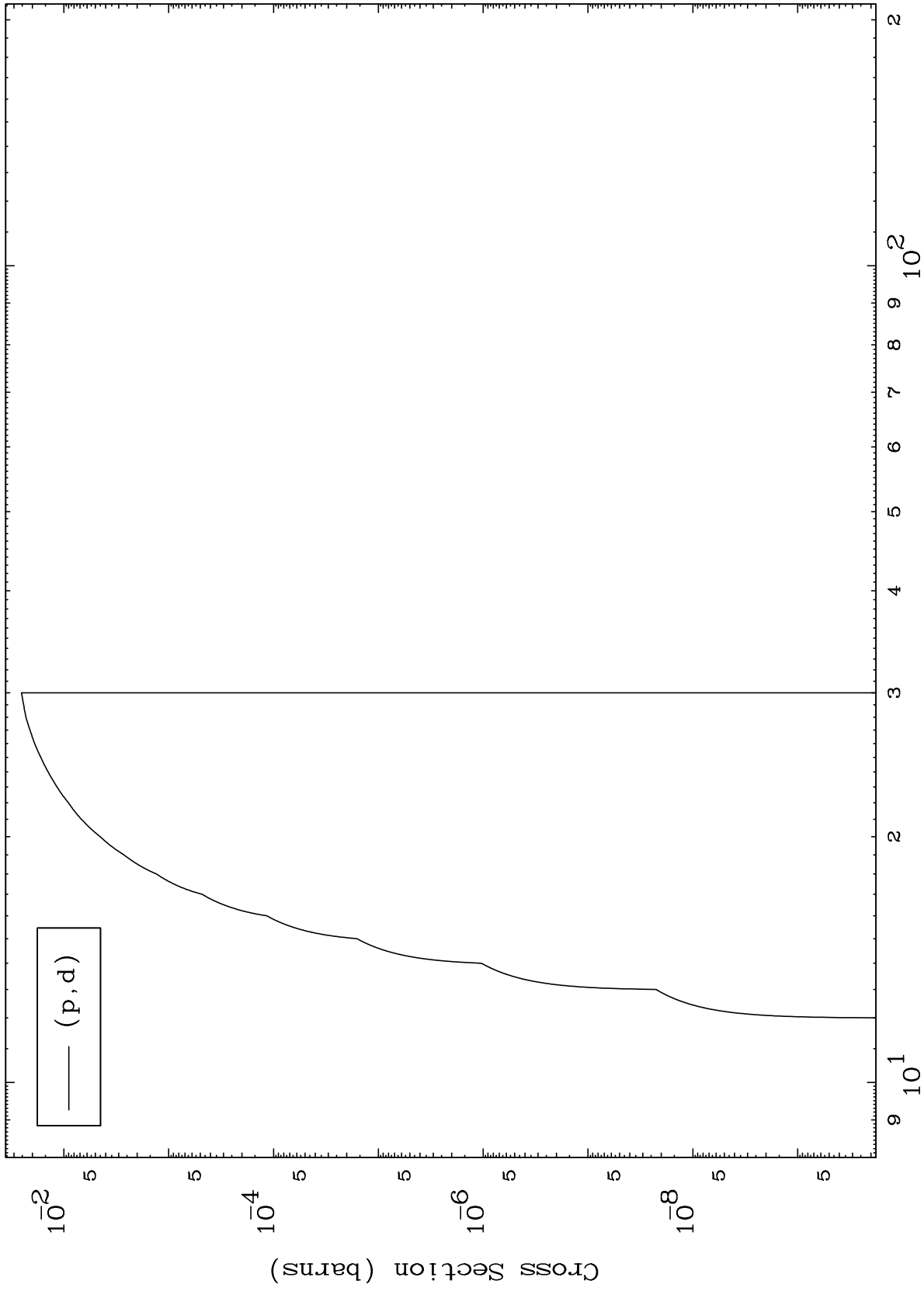
Incident Energy (MeV)

61-Pm-139

MAT 6125

(p,d) Levels  
0 Kelvin Cross Sections

61-Pm-139



7

Incident Energy (MeV)

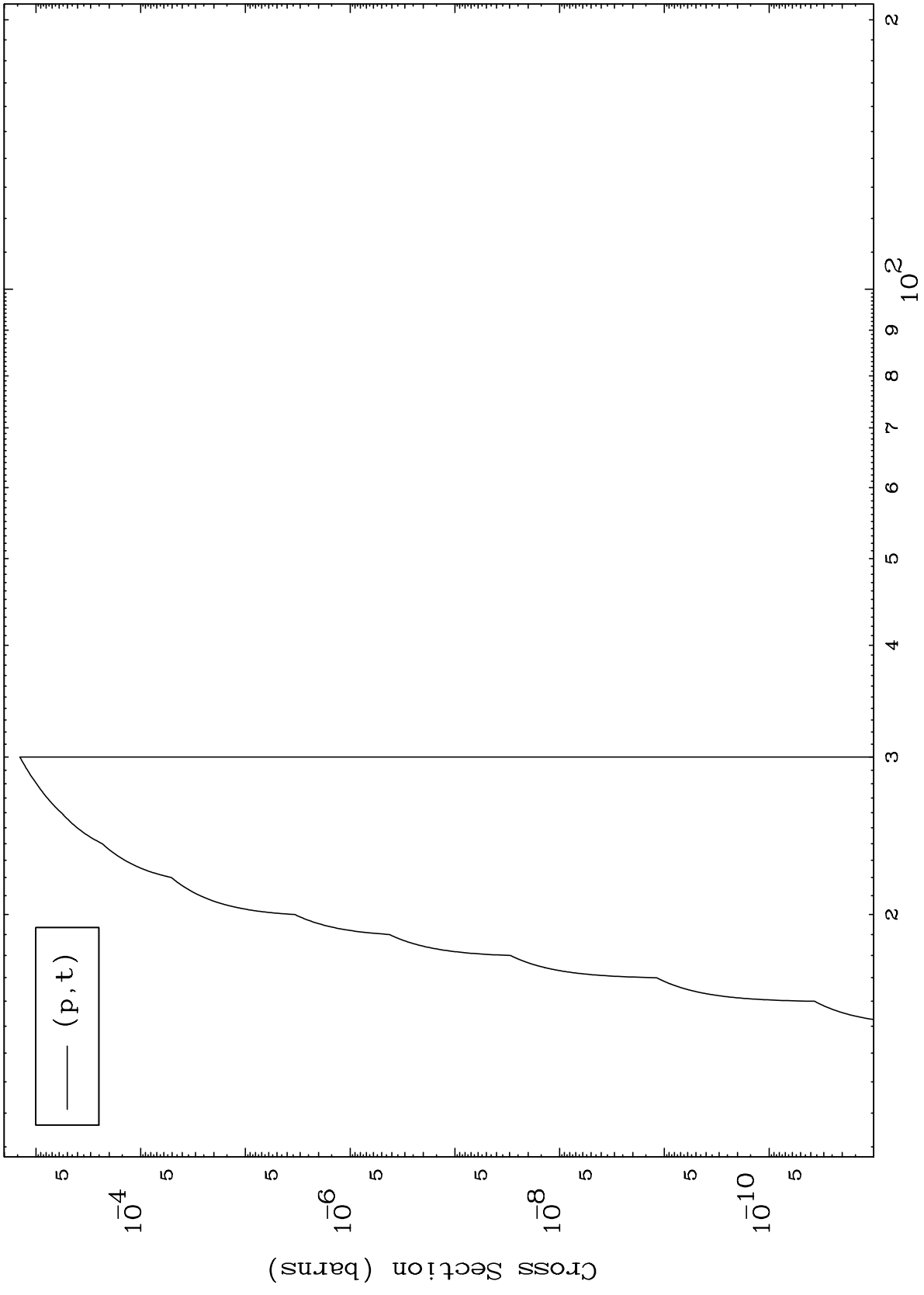
61-Pm-139



MAT 6125

(p,t) Levels  
0 Kelvin Cross Sections

61-Pm-139



8

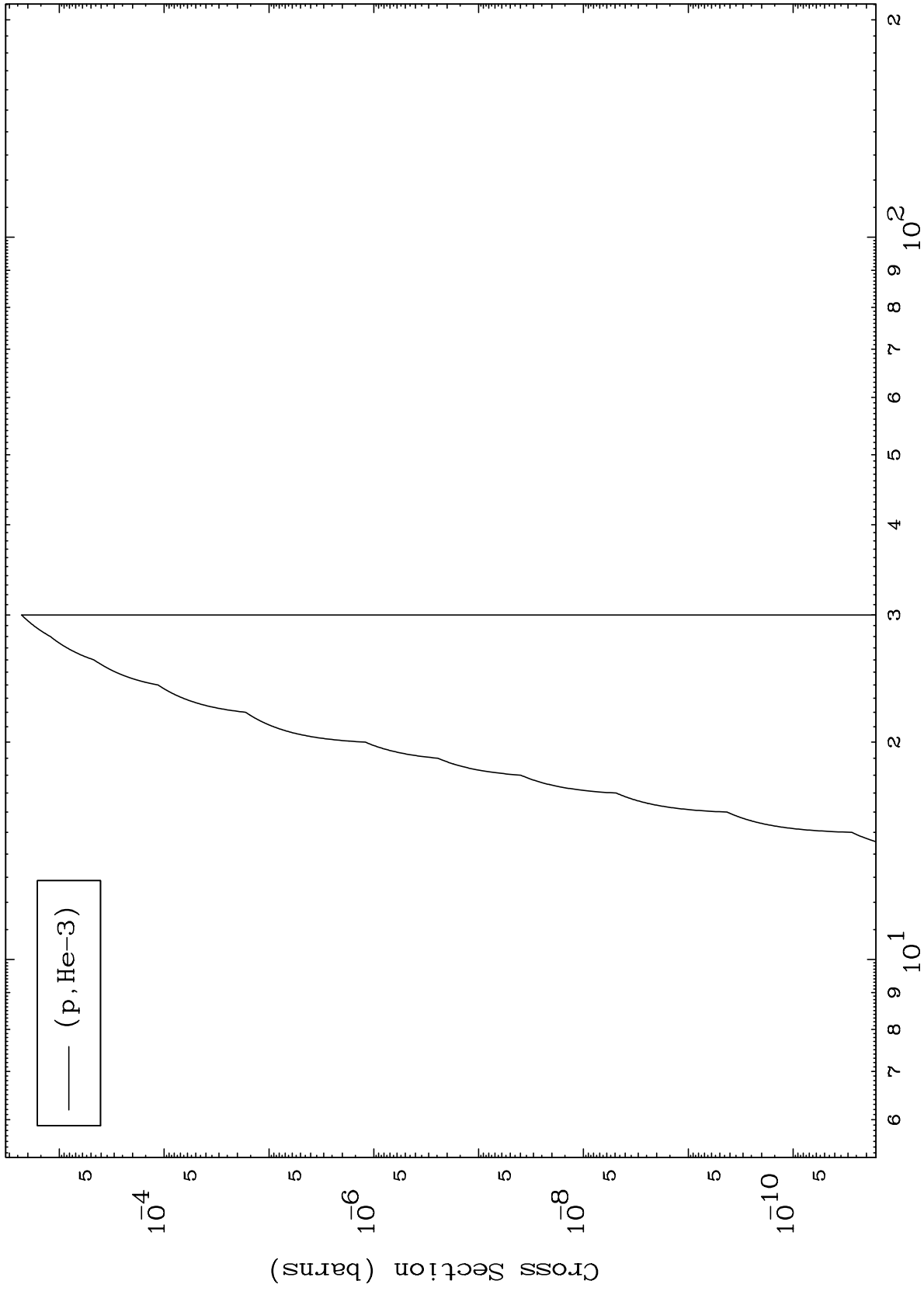
Incident Energy (MeV)

61-Pm-139

MAT 6125

(p,He3) Levels  
0 Kelvin Cross Sections

61-Pm-139



9

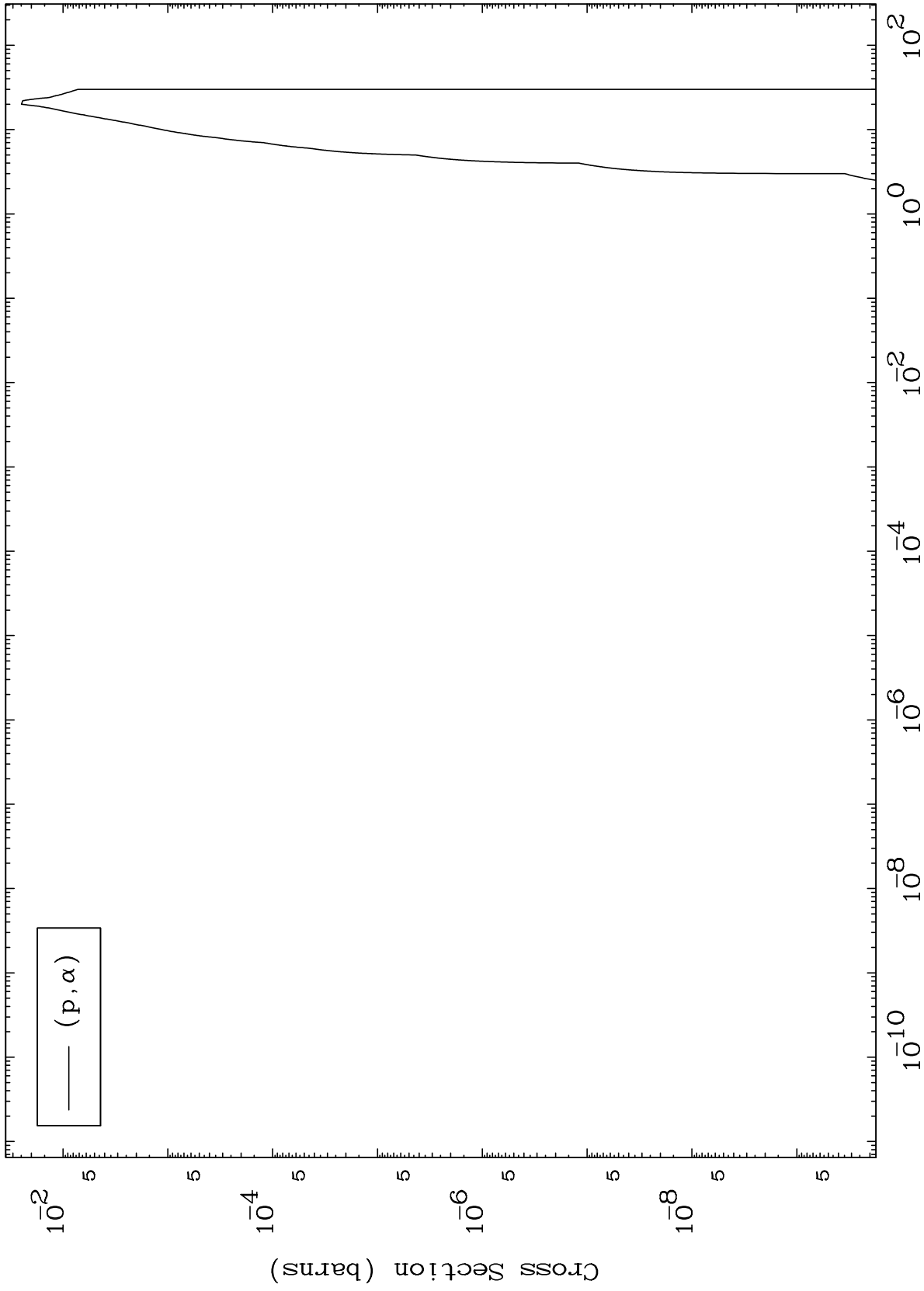
Incident Energy (MeV)

61-Pm-139

MAT 6125

(p,α) Levels  
0 Kelvin Cross Sections

61-Pm-139



10

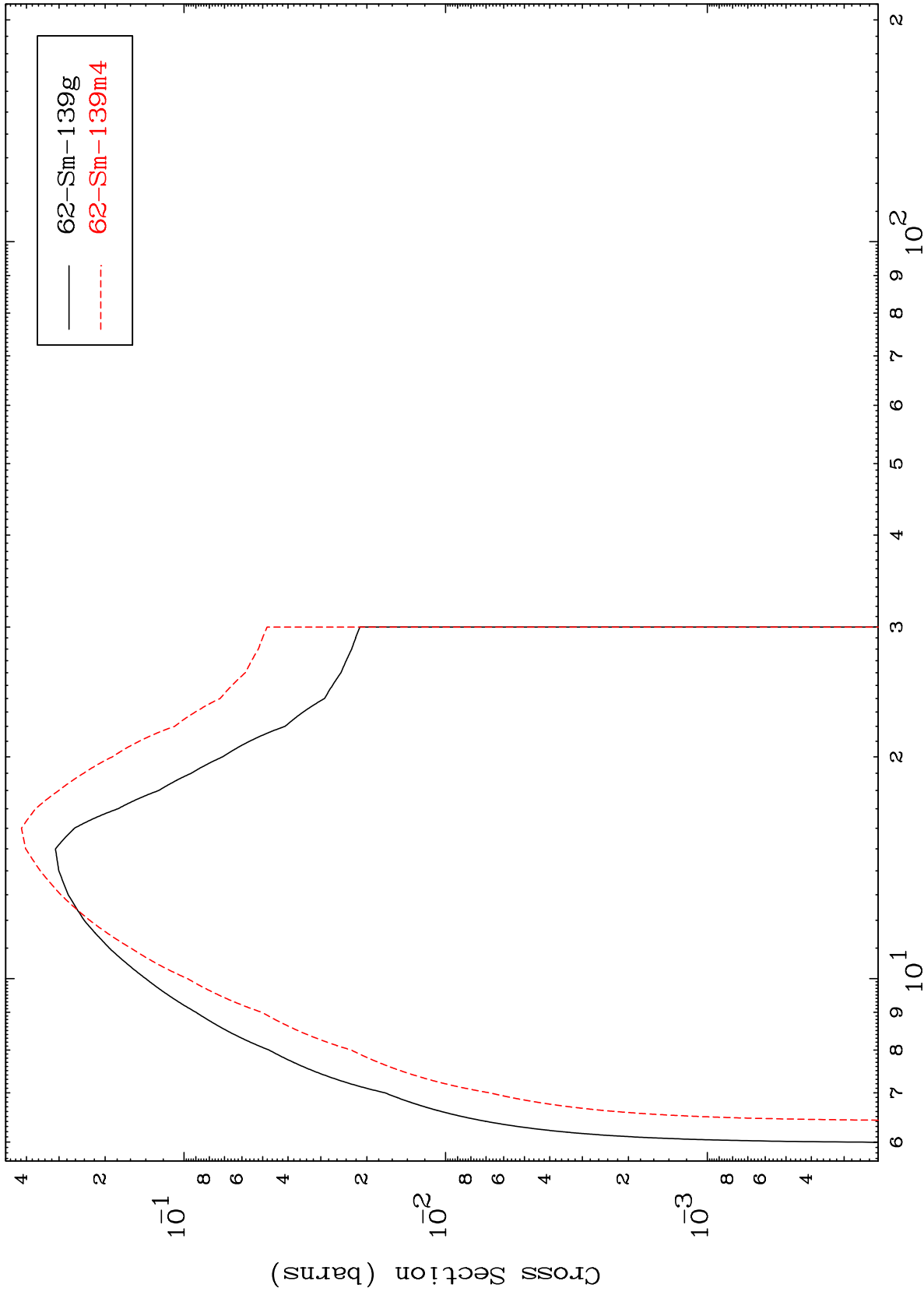
Incident Energy (MeV)

61-Pm-139

MAT 6125

Proton Inelastic  
Radionuclide Production Cross Section

61-Pm-139



11

Incident Energy (MeV)

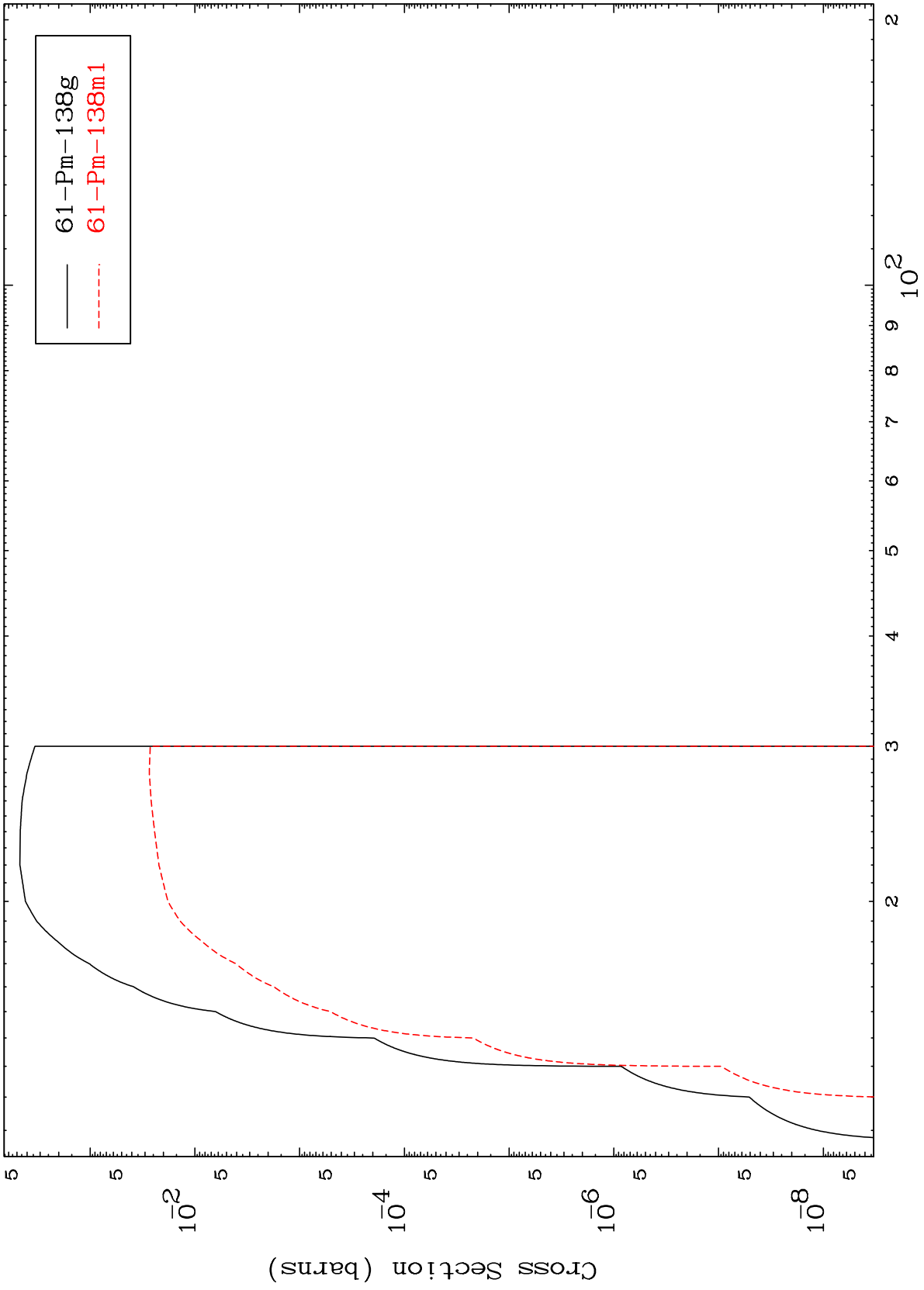
61-Pm-139

MAT 6125

(p,n') p

61-Pm-139

Radionuclide Production Cross Section



12

Incident Energy (MeV)

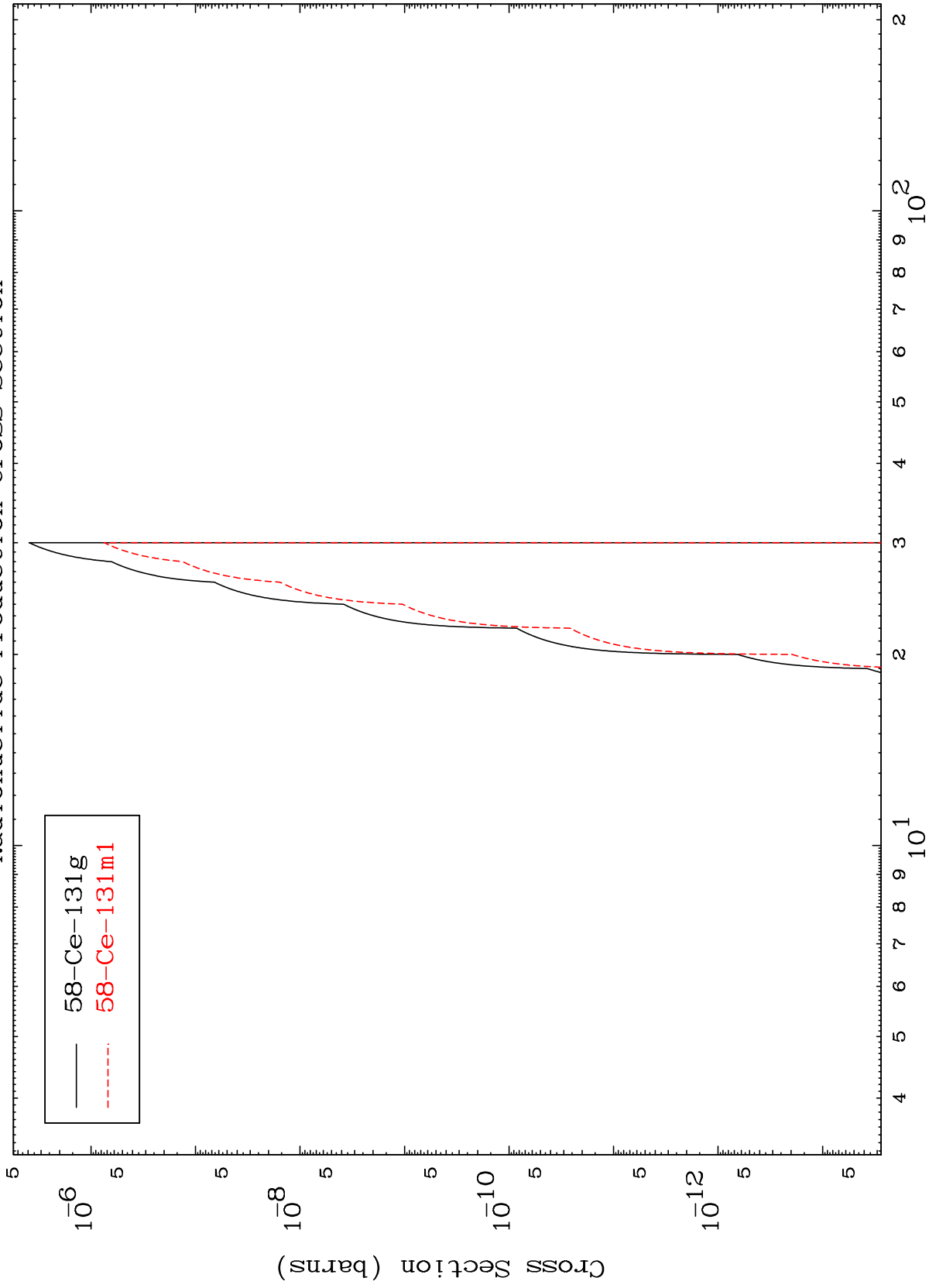
61-Pm-139

MAT 6125

(p,n') 2 $\alpha$

61-Pm-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

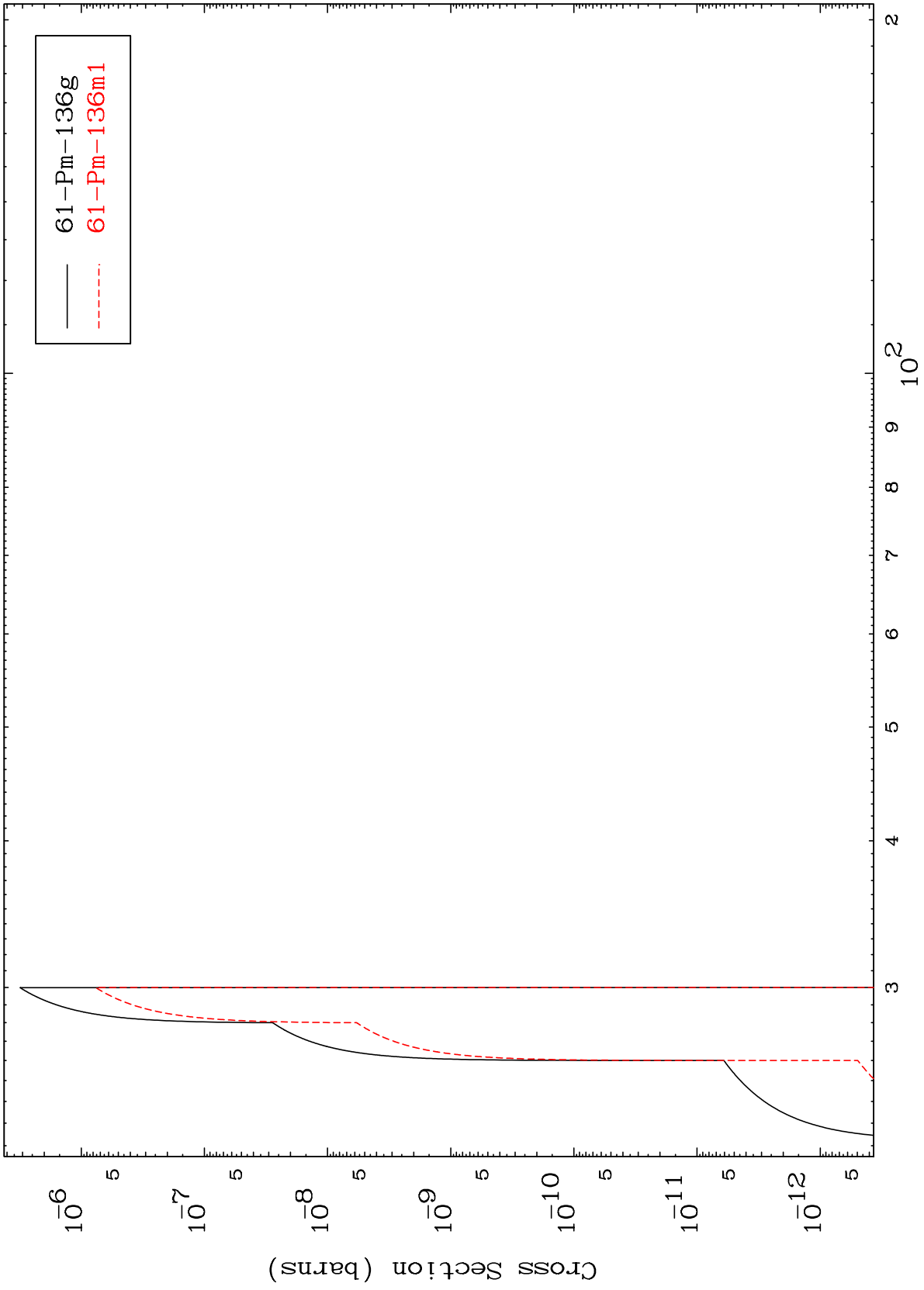
61-Pm-139

MAT 6125

(p,n') t

61-Pm-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

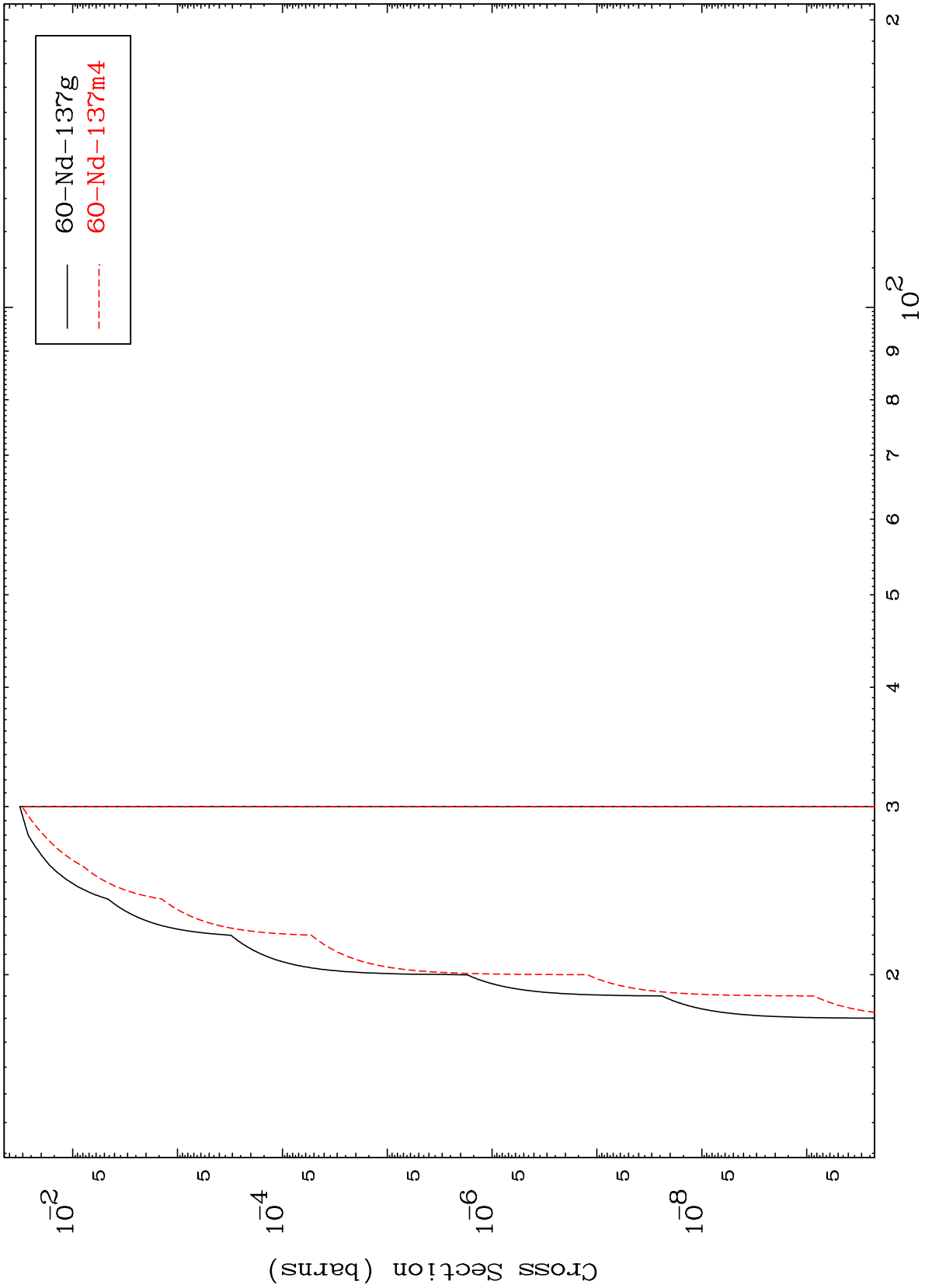
61-Pm-139

MAT 6125

(p,2n) p

61-Pm-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

61-Pm-139

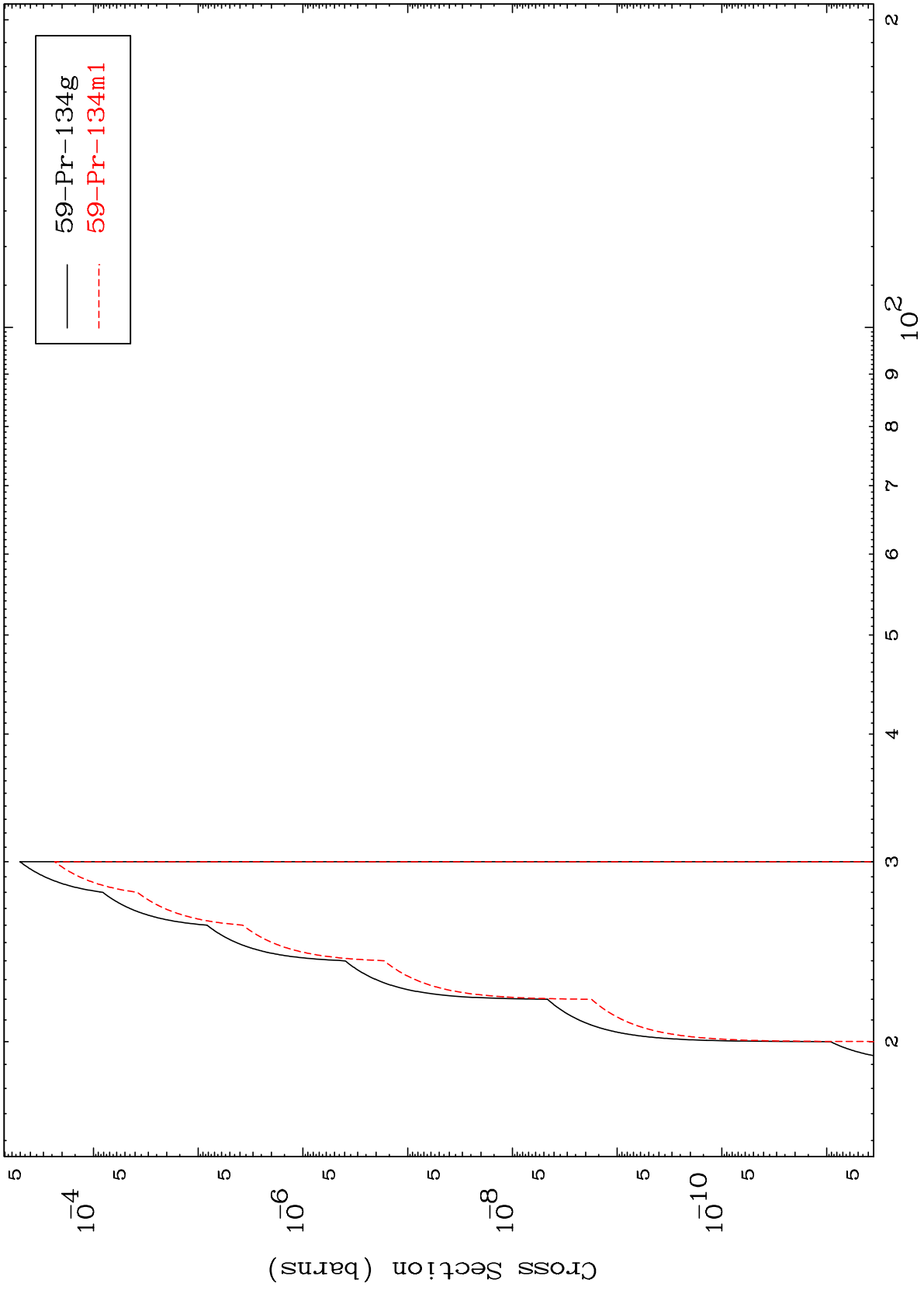


MAT 6125

(p,n') p  $\alpha$

61-Pm-139

Radionuclide Production Cross Section



16

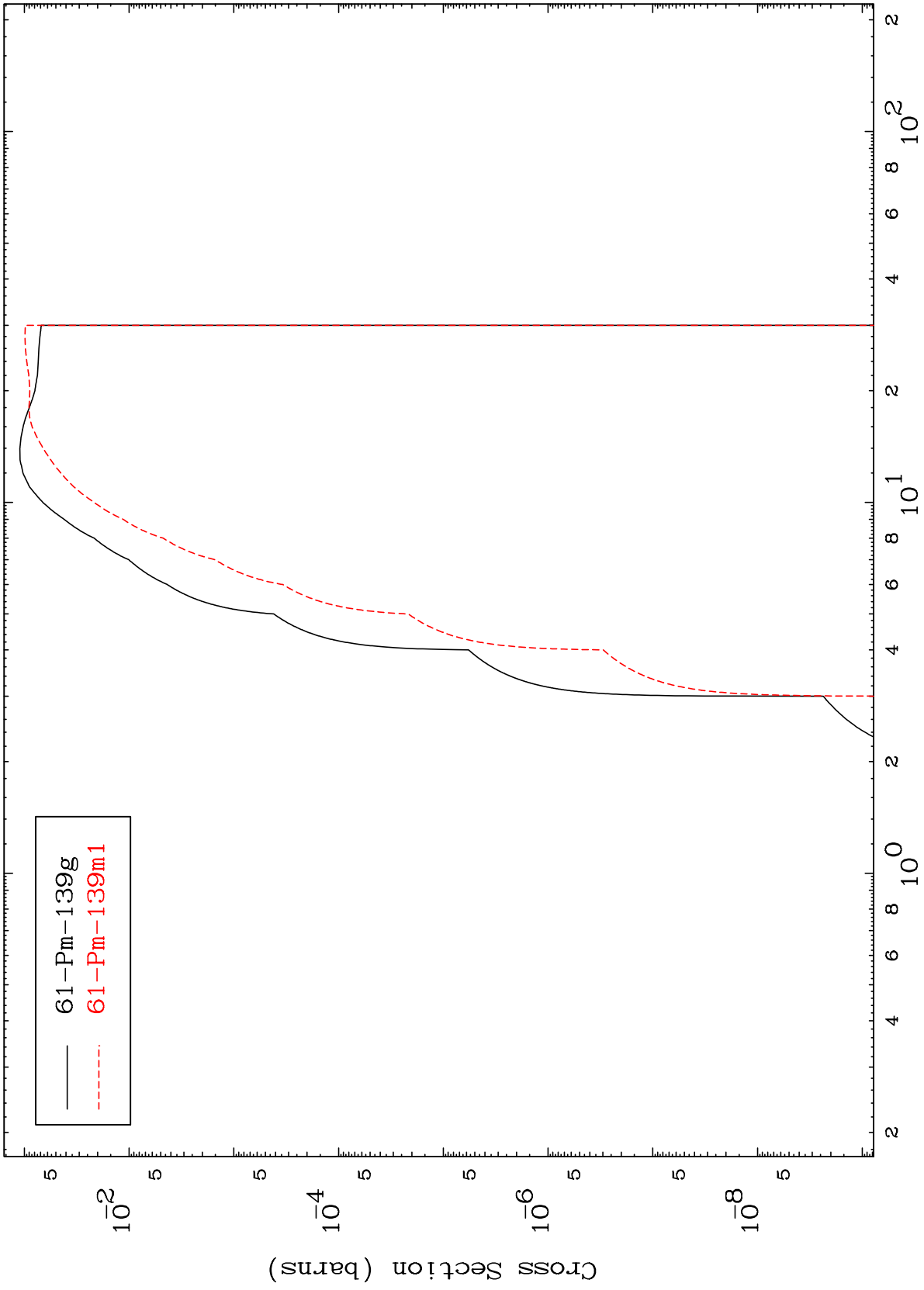
Incident Energy (MeV)

61-Pm-139

MAT 6125

61-Pm-139

(p,p)  
Radionuclide Production Cross Section



17

Incident Energy (MeV)

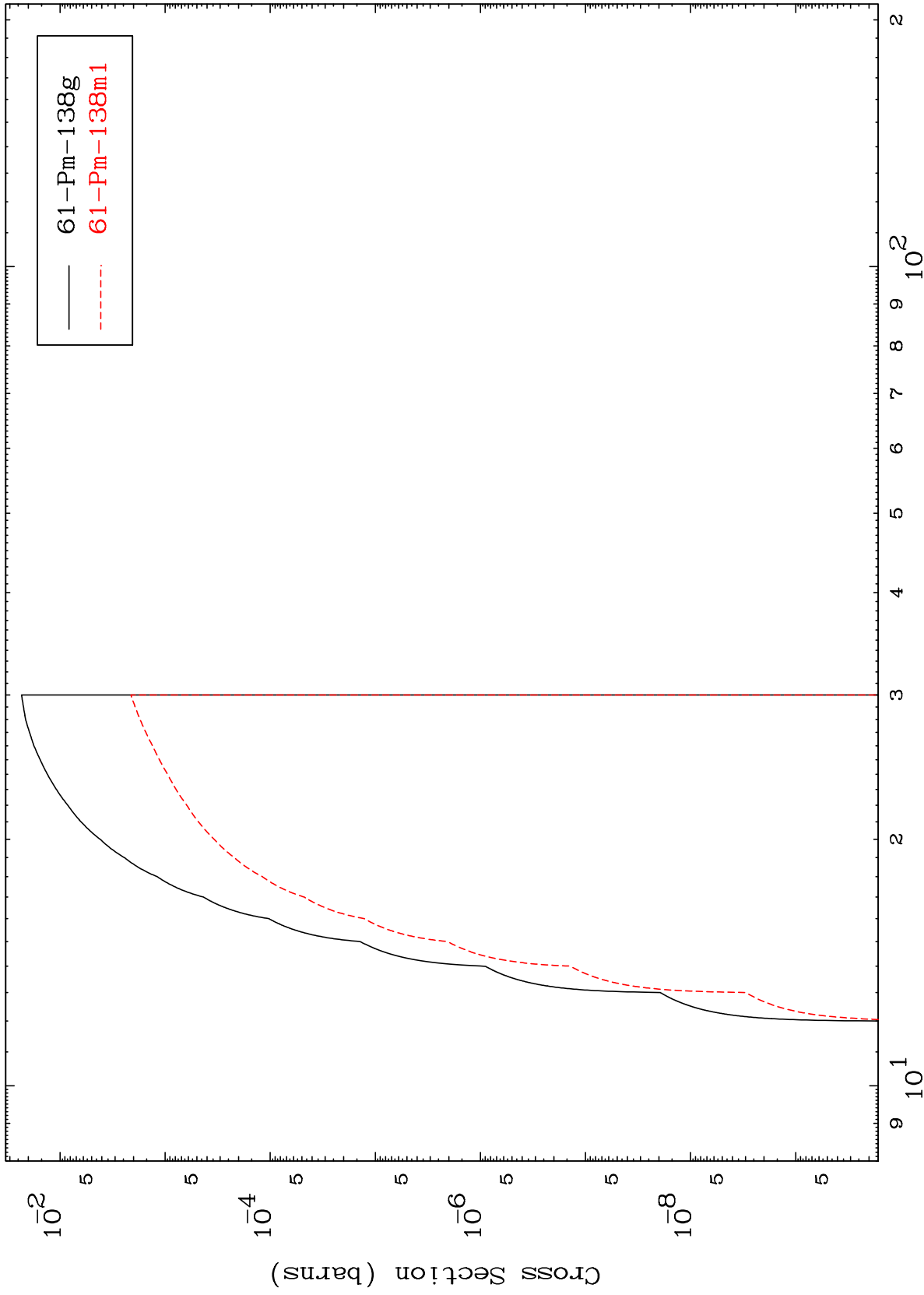
61-Pm-139

MAT 6125

(p,d)

61-Pm-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

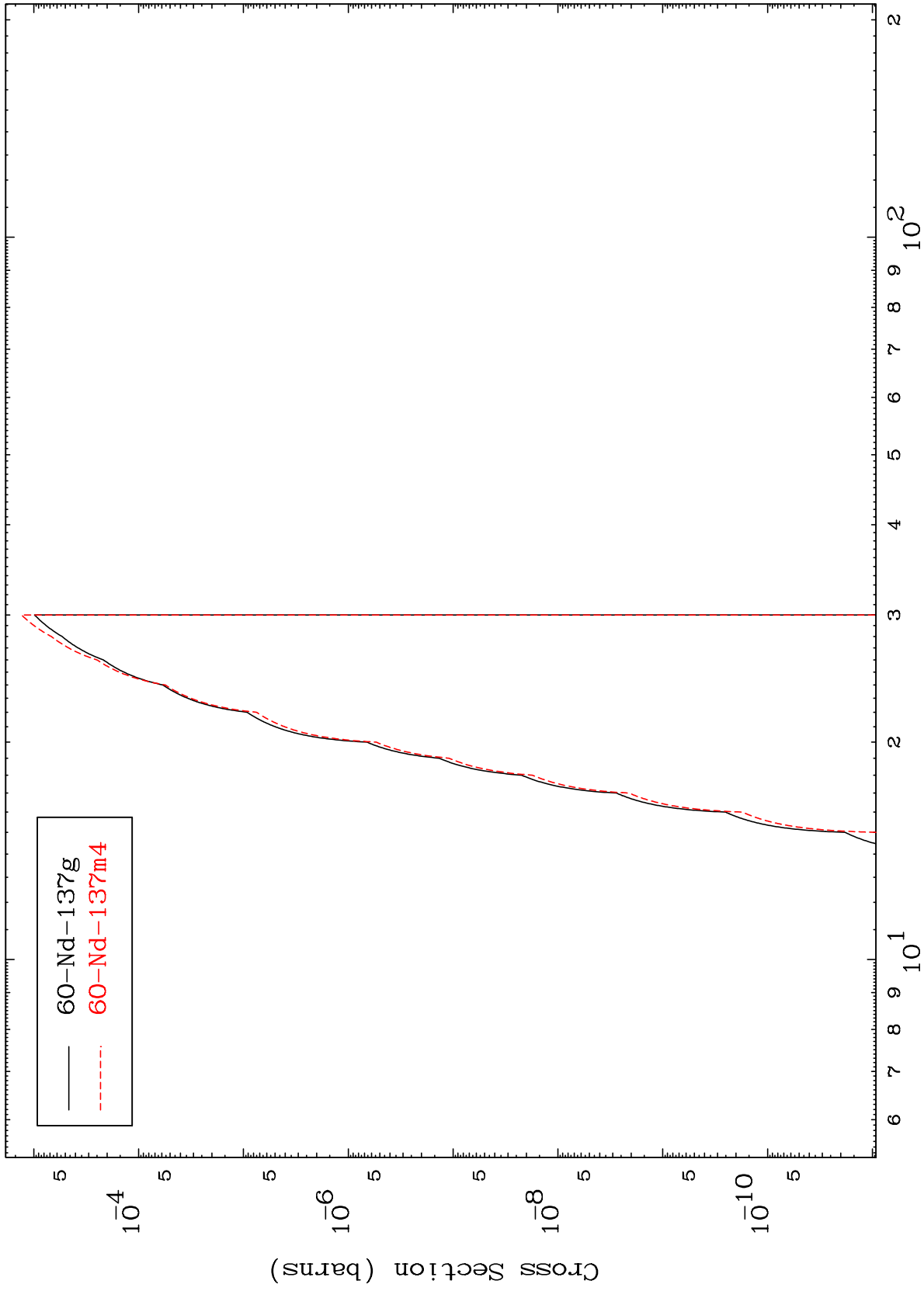
61-Pm-139

MAT 6125

(p,He-3)

61-Pm-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

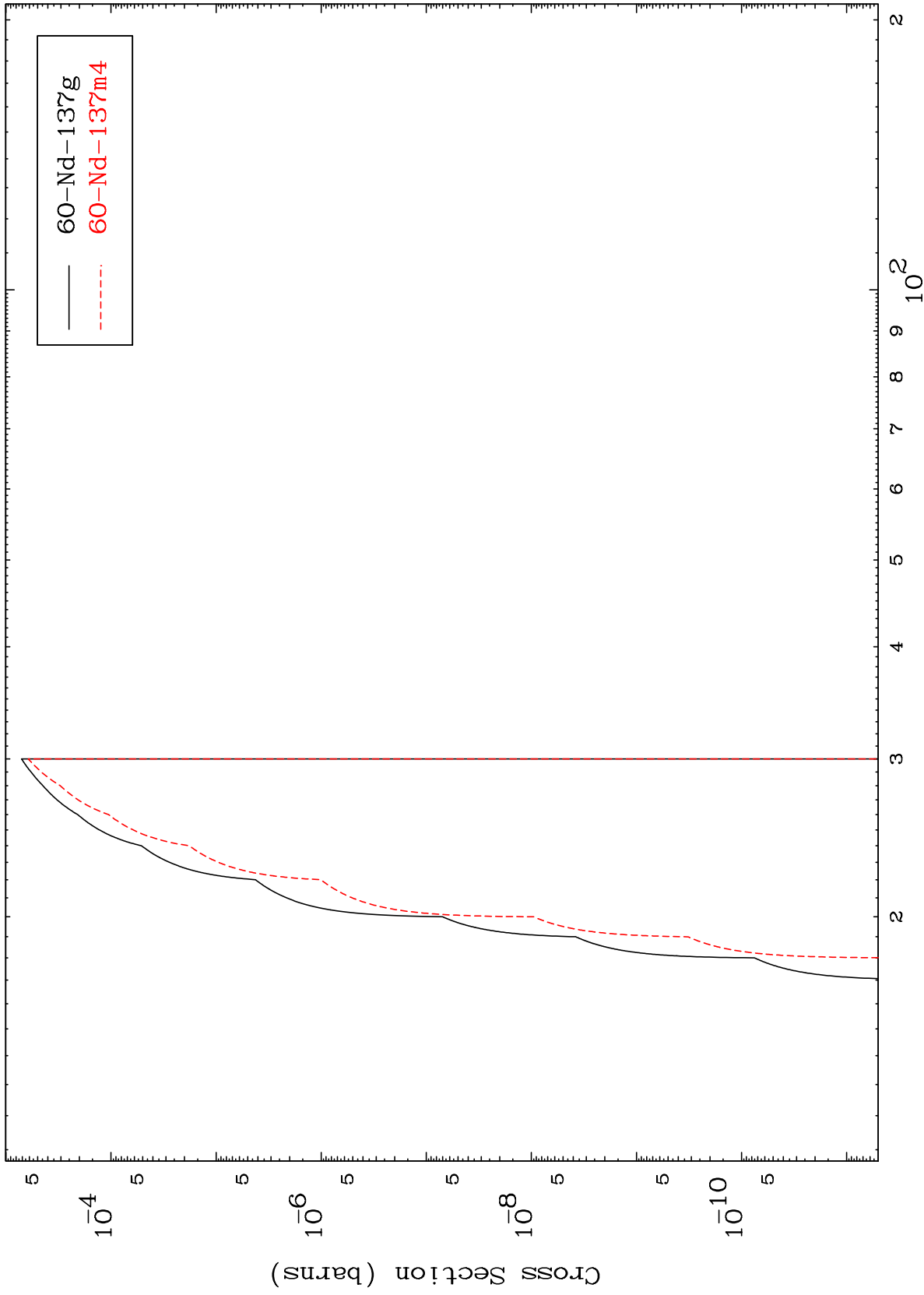
61-Pm-139

MAT 6125

(p,p) d

61-Pm-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

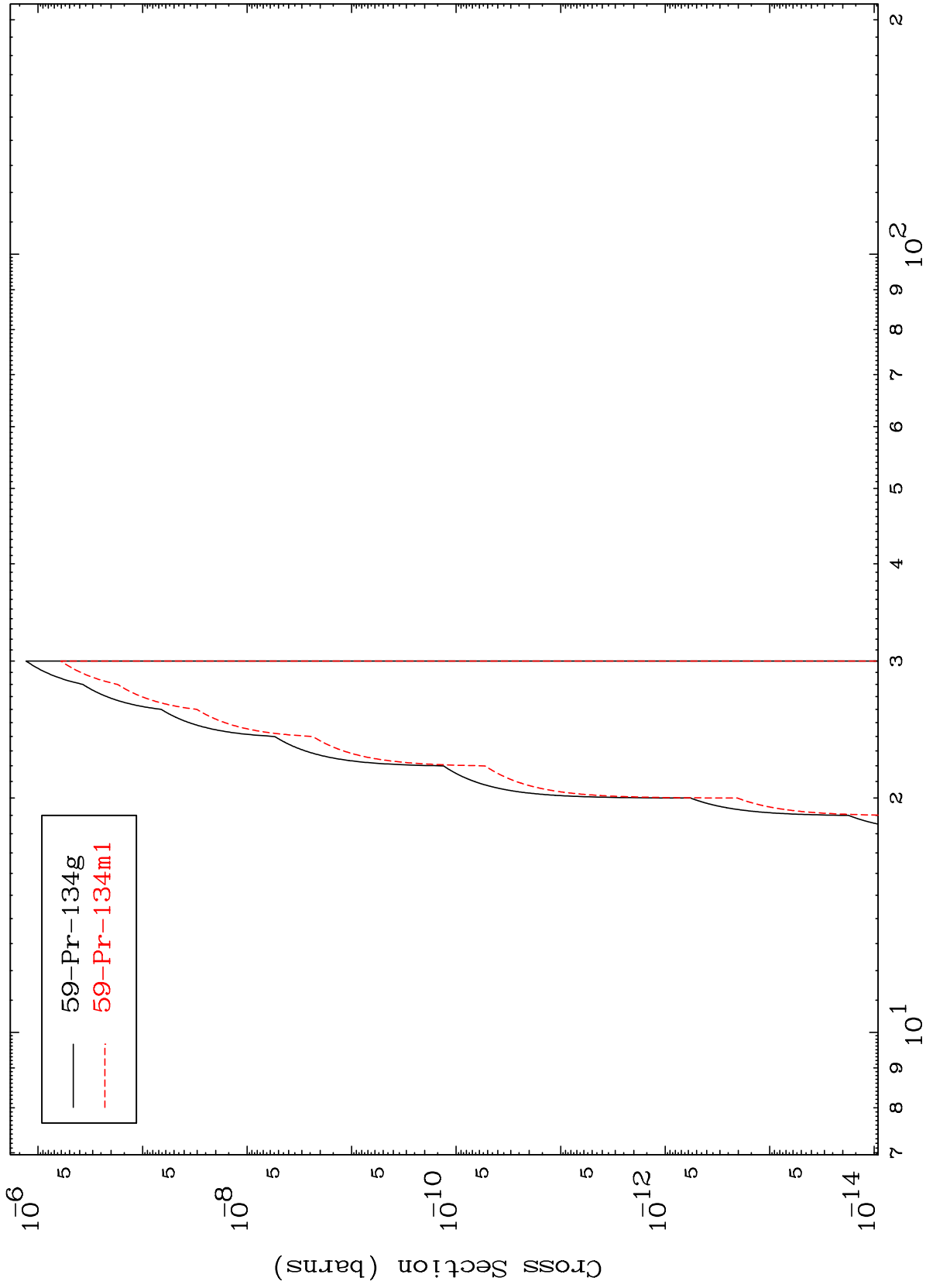
61-Pm-139

MAT 6125

(p,d)  $\alpha$

61-Pm-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

61-Pm-139