

Program EVALPLOT
(Version 2021-1)

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

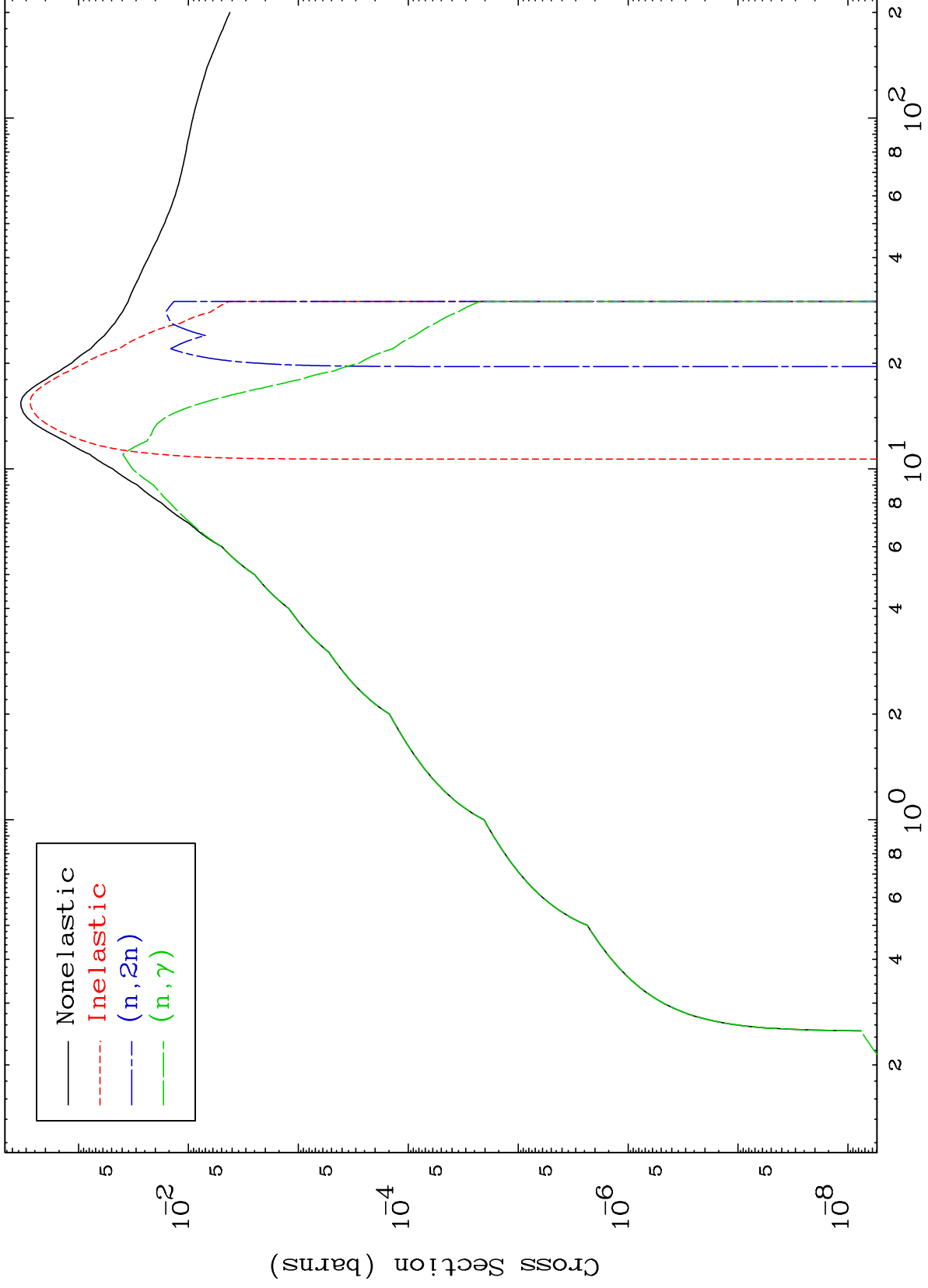
Press Mouse Button to Start

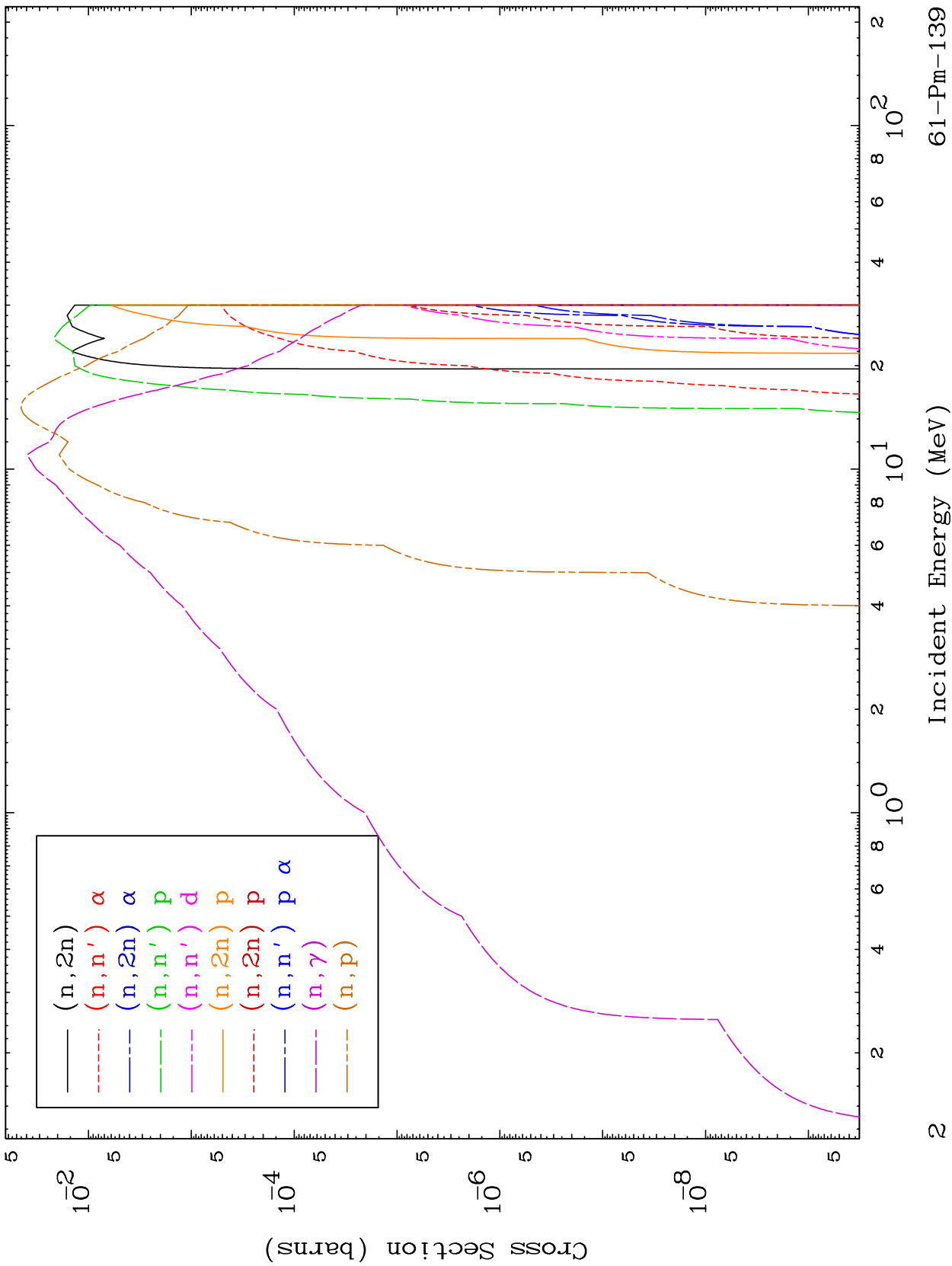
MAT 6125

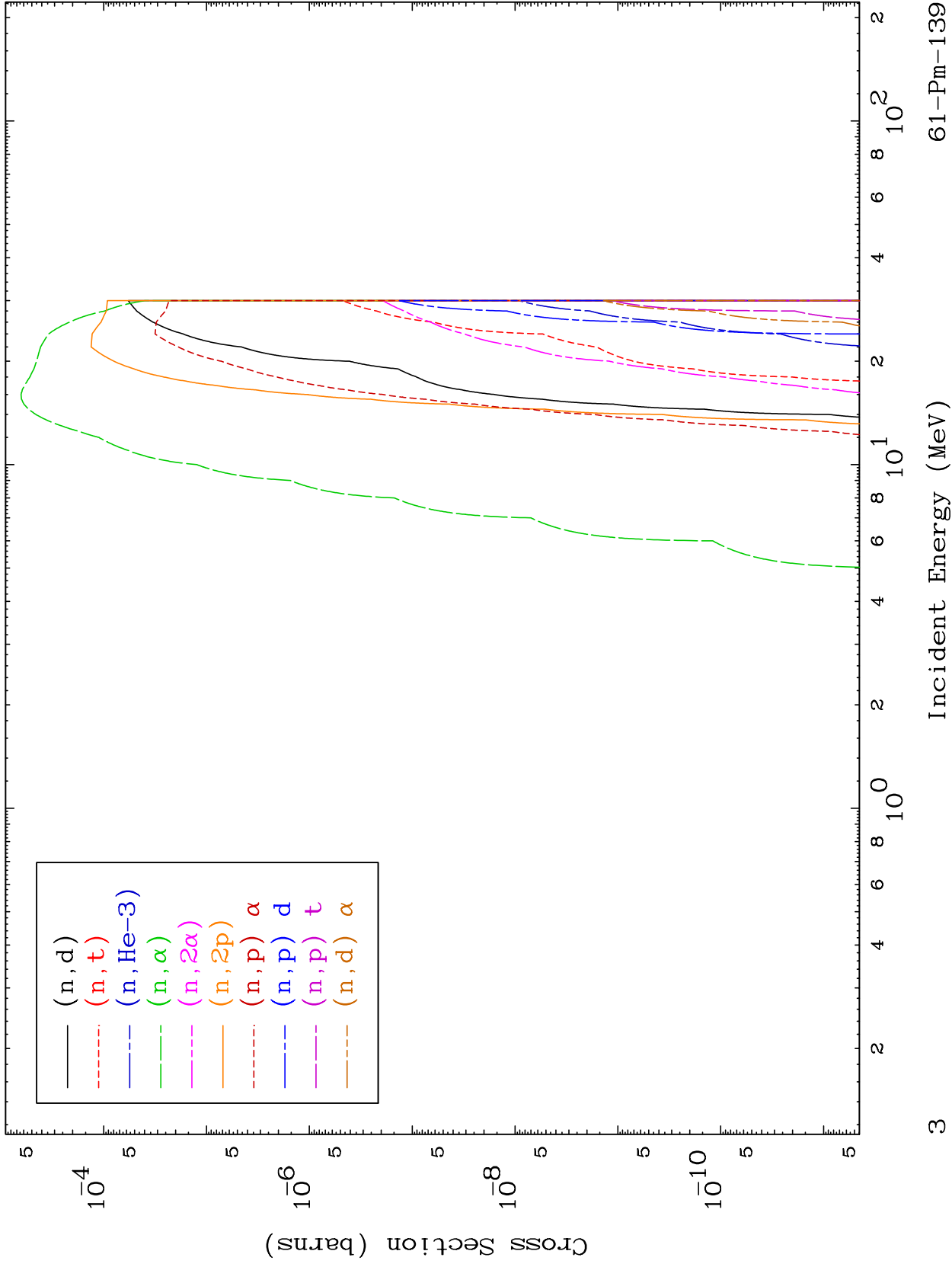
Photon Major

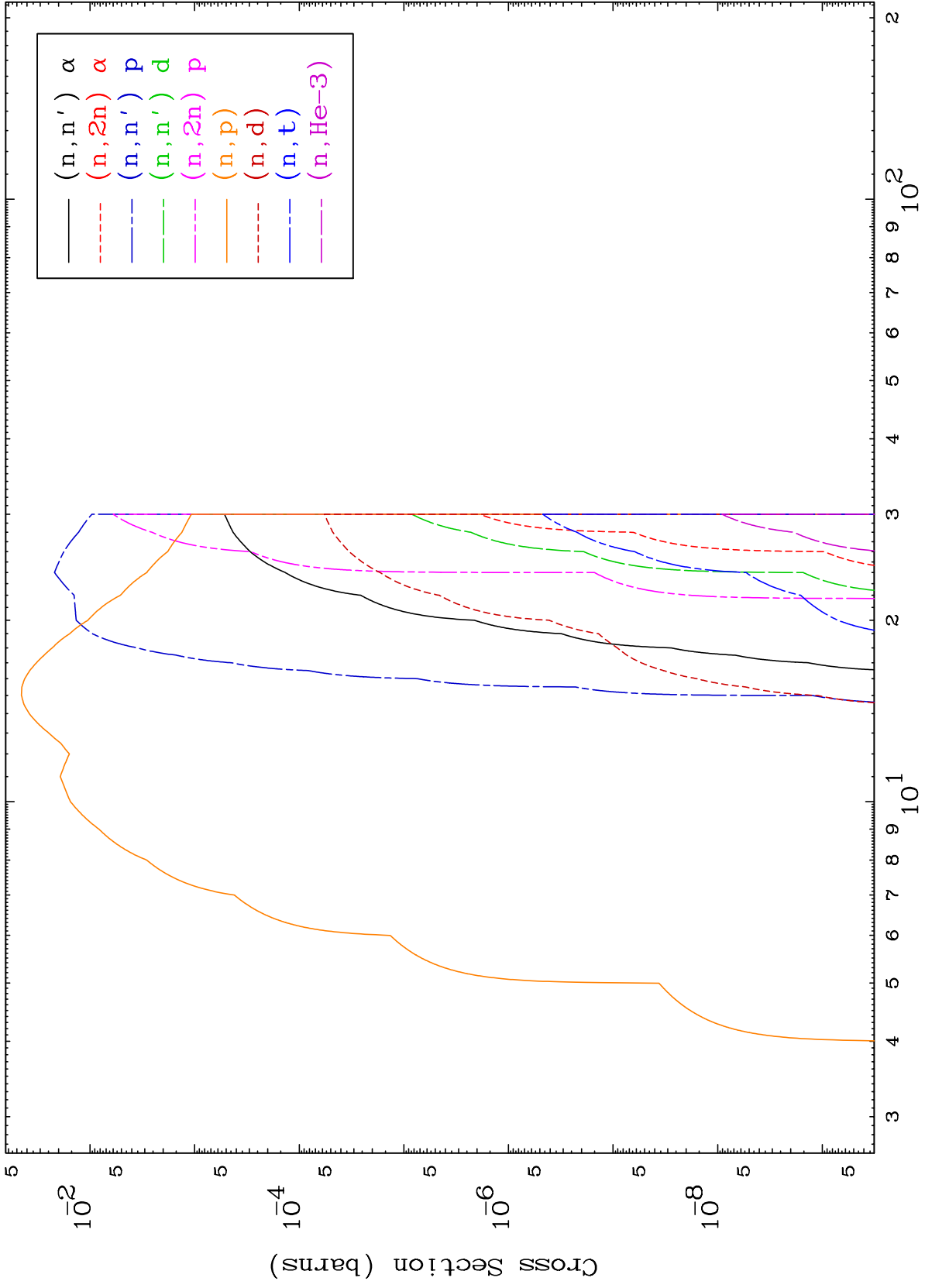
61-Pm-139

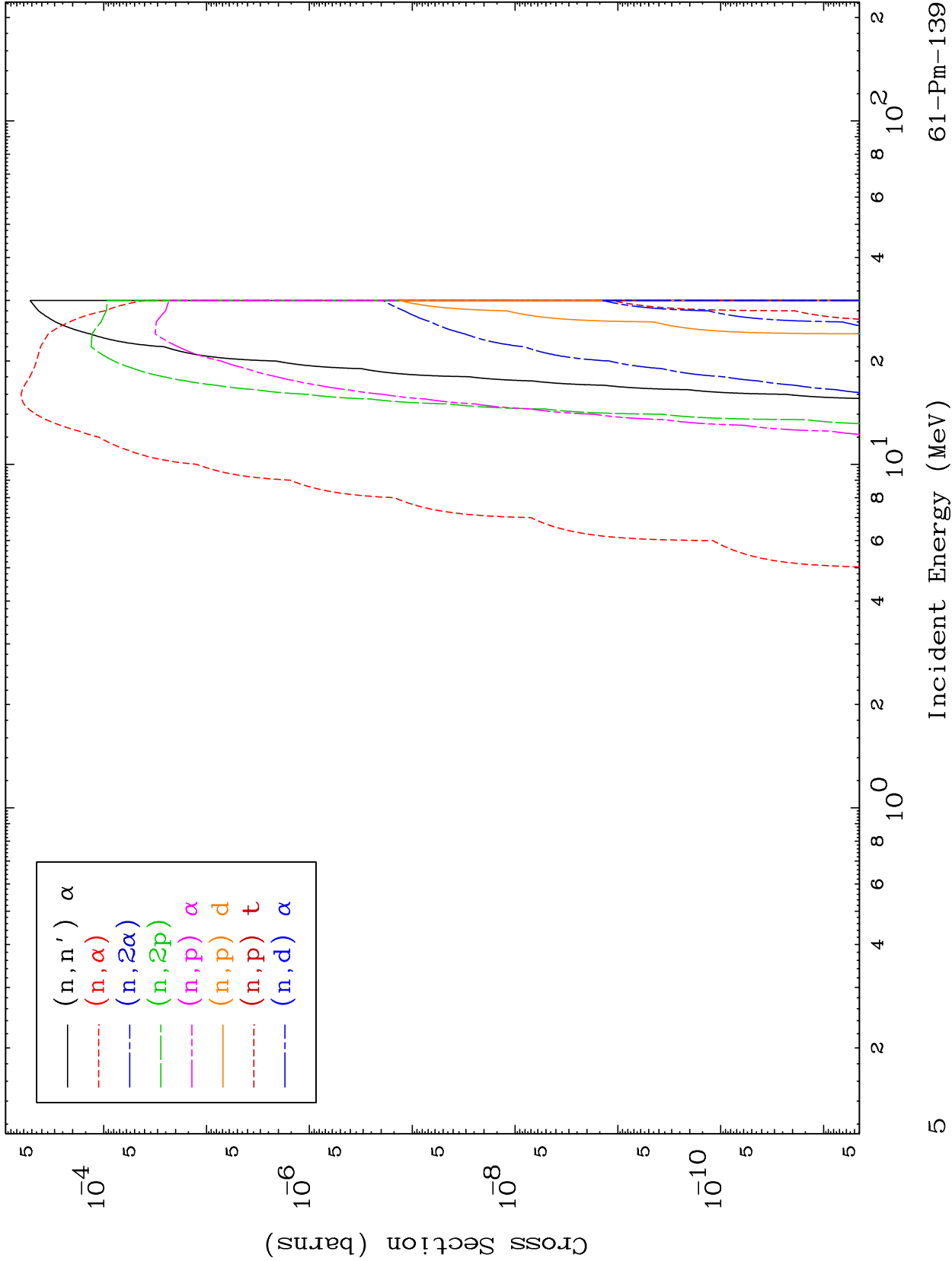
0 Kelvin Cross Sections









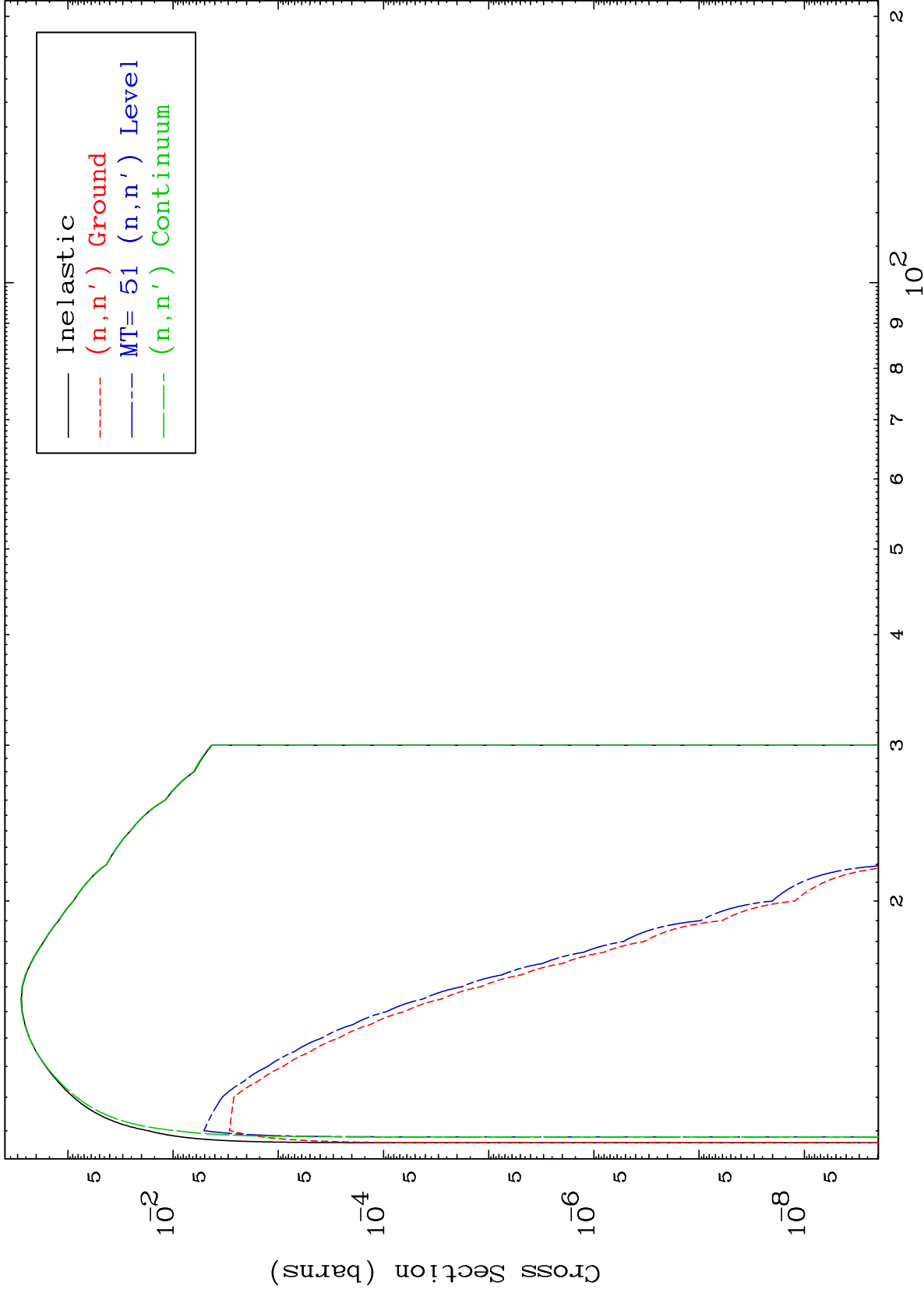


MAT 6125

(γ, n') Levels

61-Pm-139

0 Kelvin Cross Sections



Incident Energy (MeV)

61-Pm-139

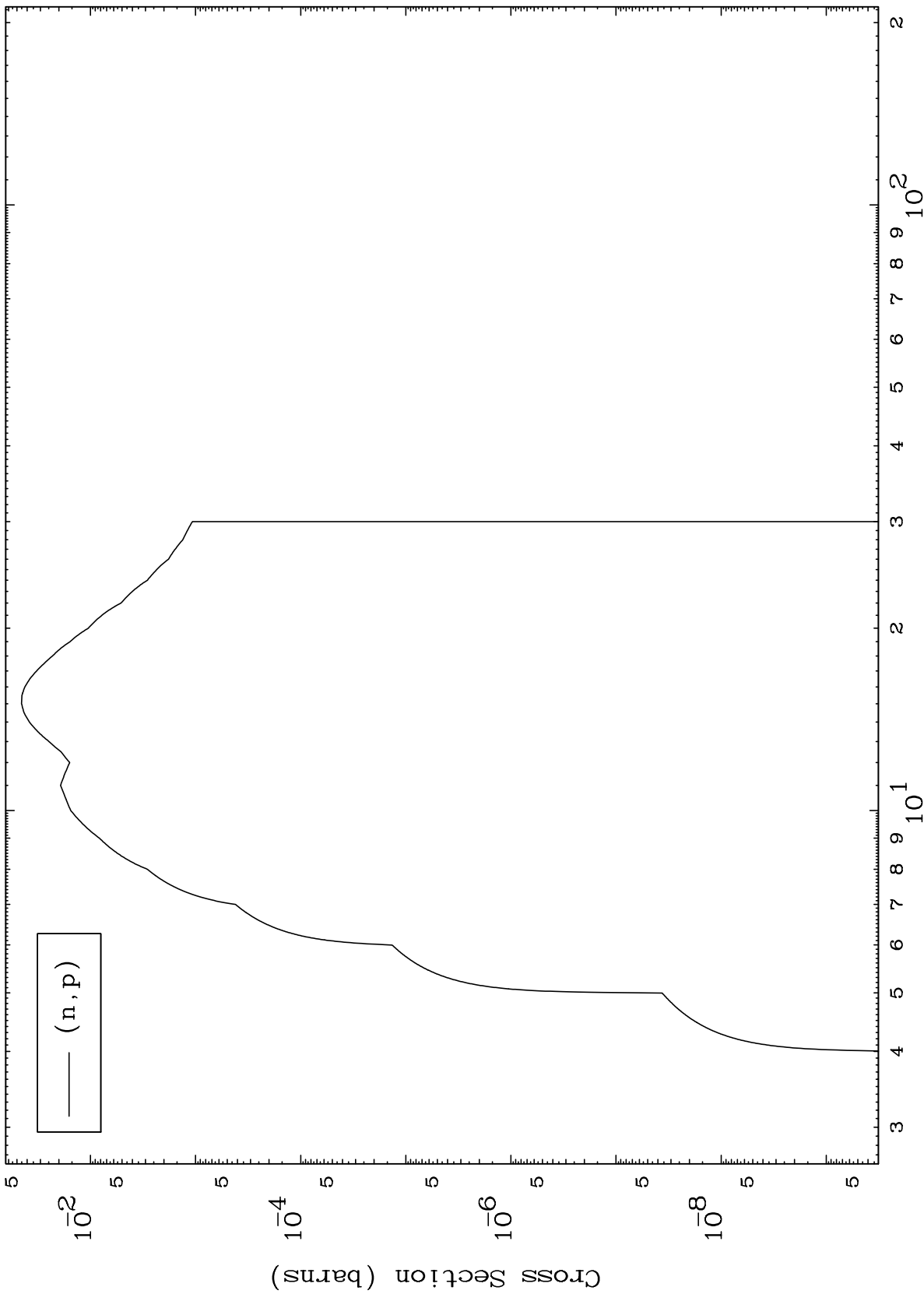
6

MAT 6125

(γ, p) Levels

61-Pm-139

0 Kelvin Cross Sections



(n, p)

Incident Energy (MeV)

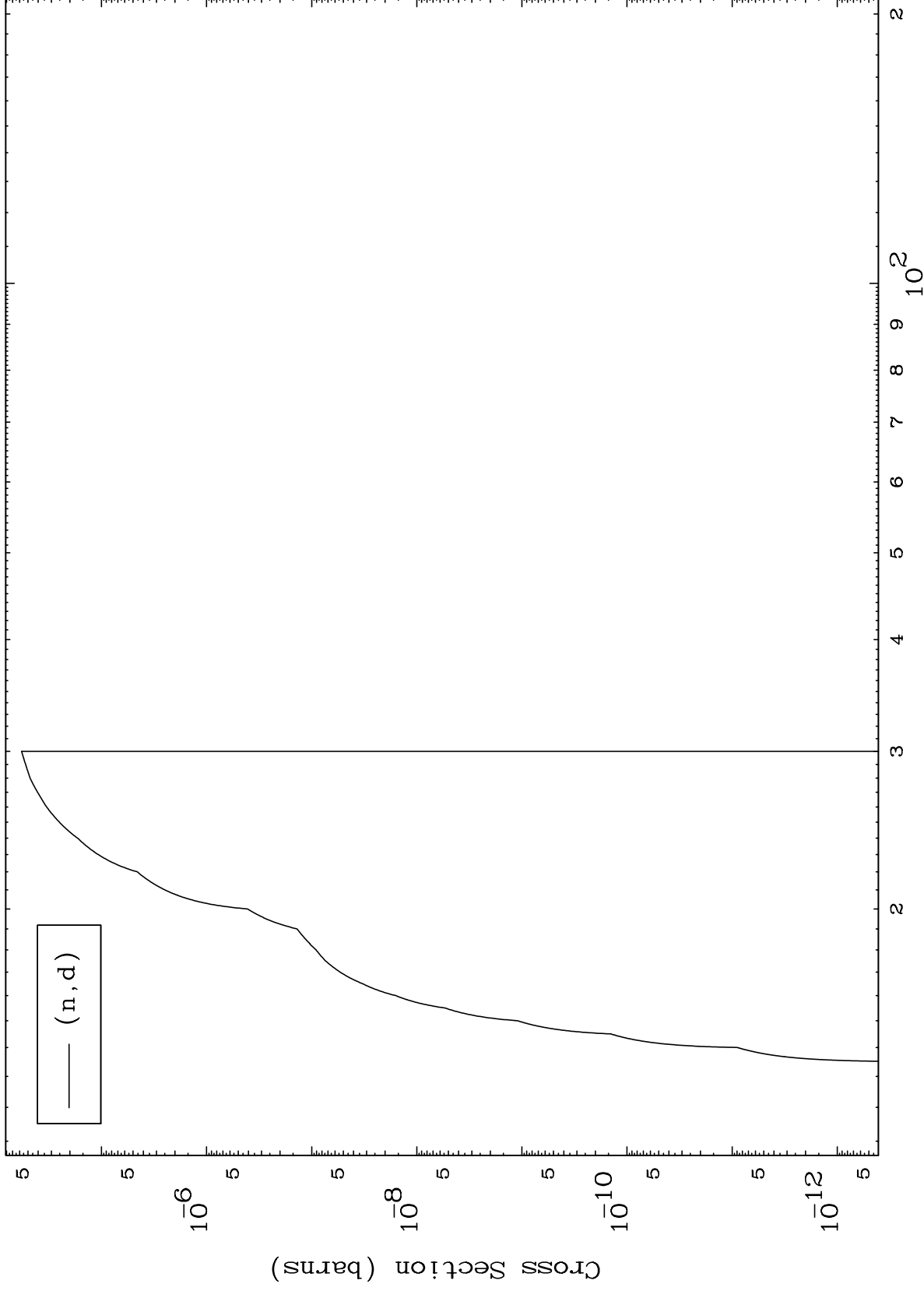
61-Pm-139

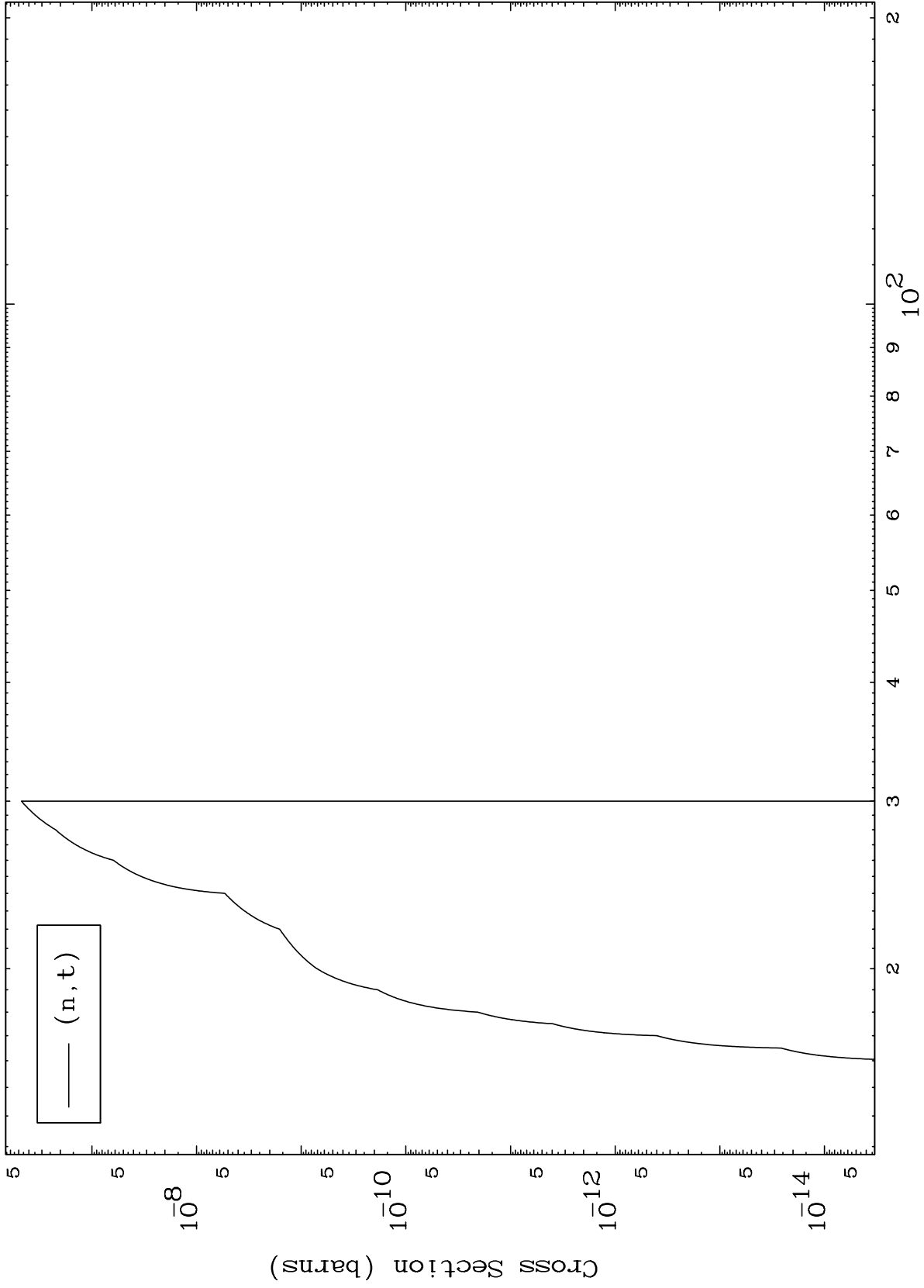
7

MAT 6125

(γ, d) Levels
0 Kelvin Cross Sections

61-Pm-139

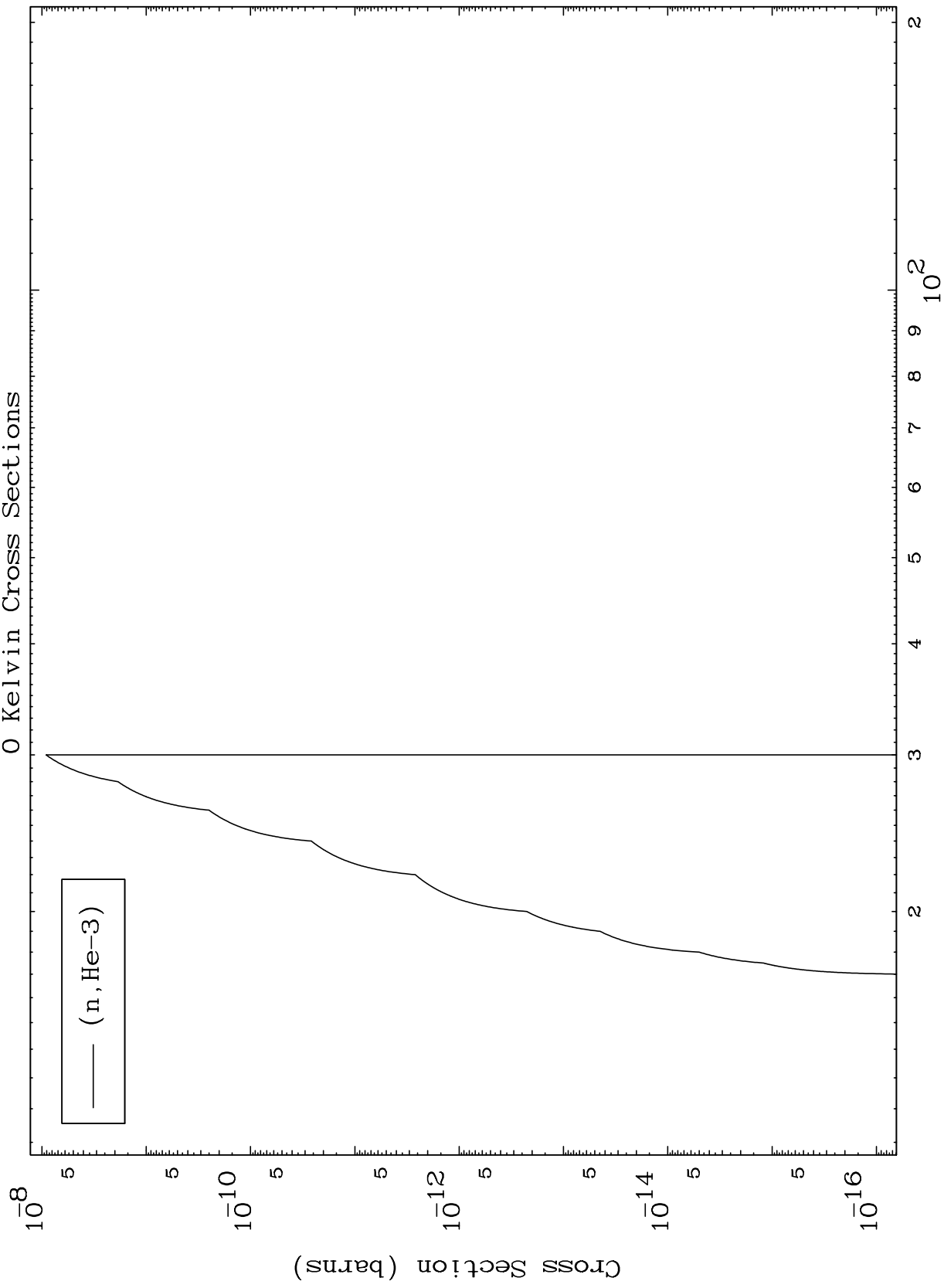




MAT 6125

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

61-Pm-139



10

Incident Energy (MeV)

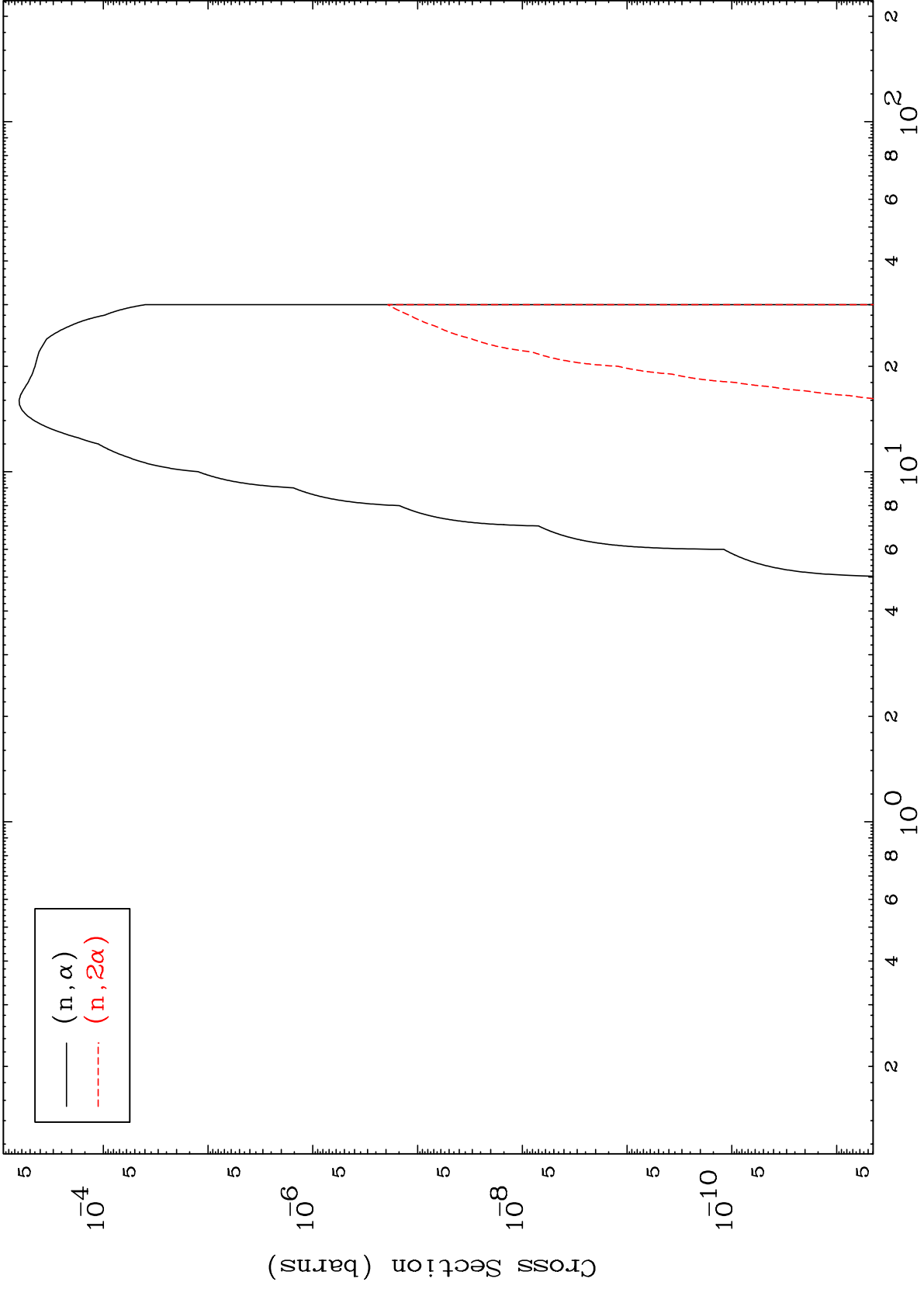
61-Pm-139

MAT 6125

(γ, α) Levels

61-Pm-139

0 Kelvin Cross Sections

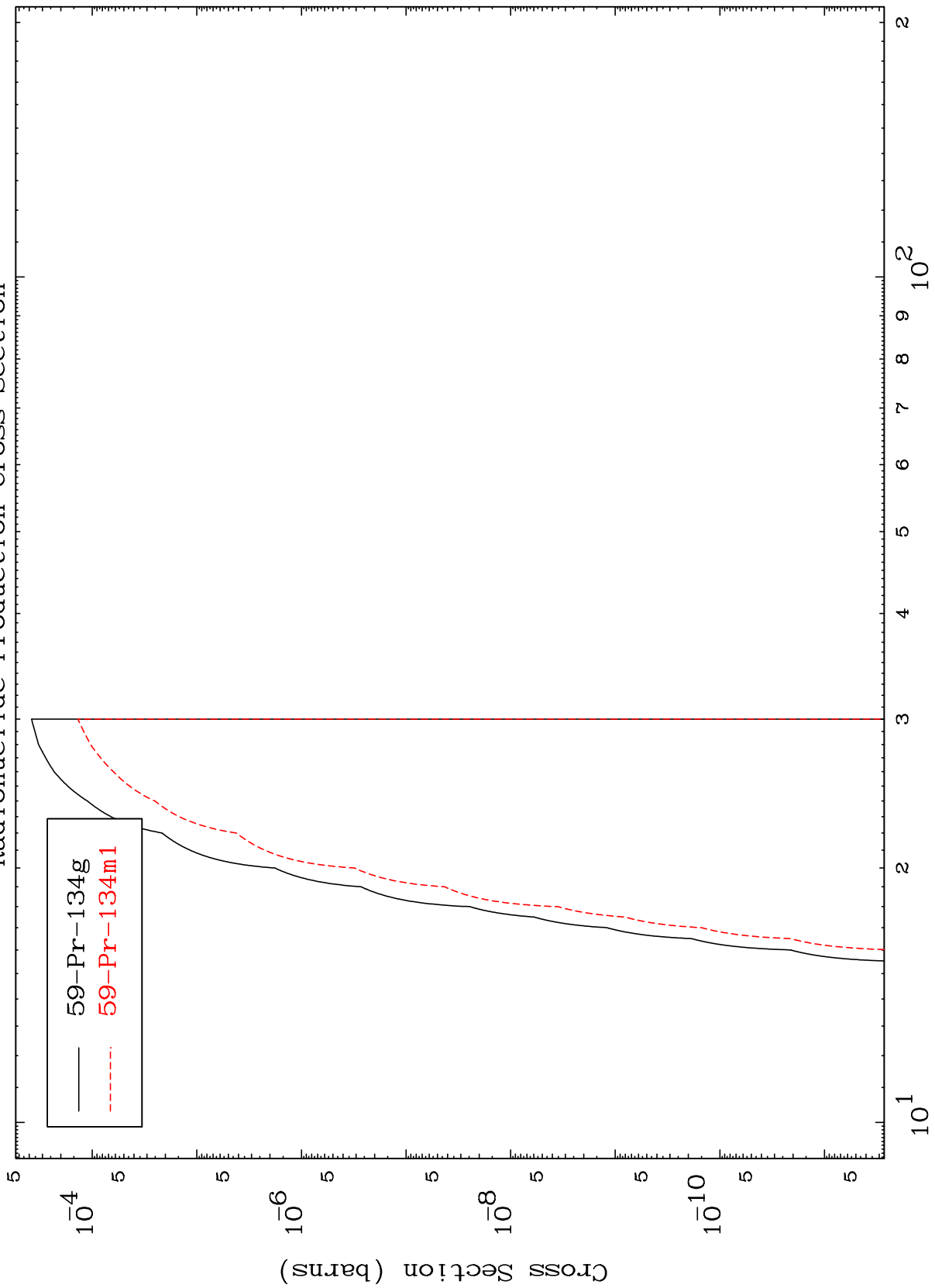


MAT 6125

$(n, n') \alpha$

61-Pm-139

Radionuclide Production Cross Section



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

Incident Energy (MeV)

61-Pm-139

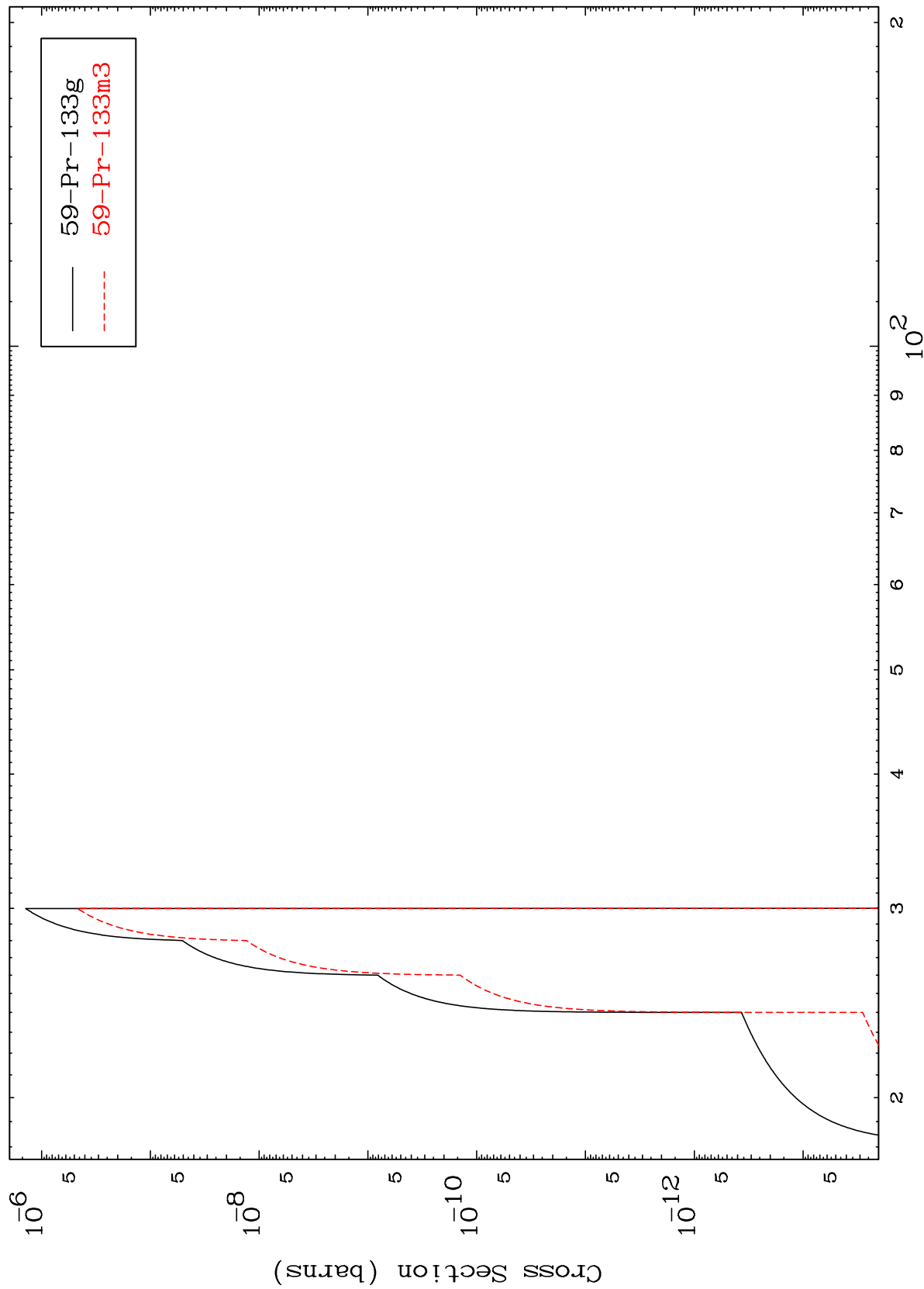
12

MAT 6125

(n,2n) α

61-Pm-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

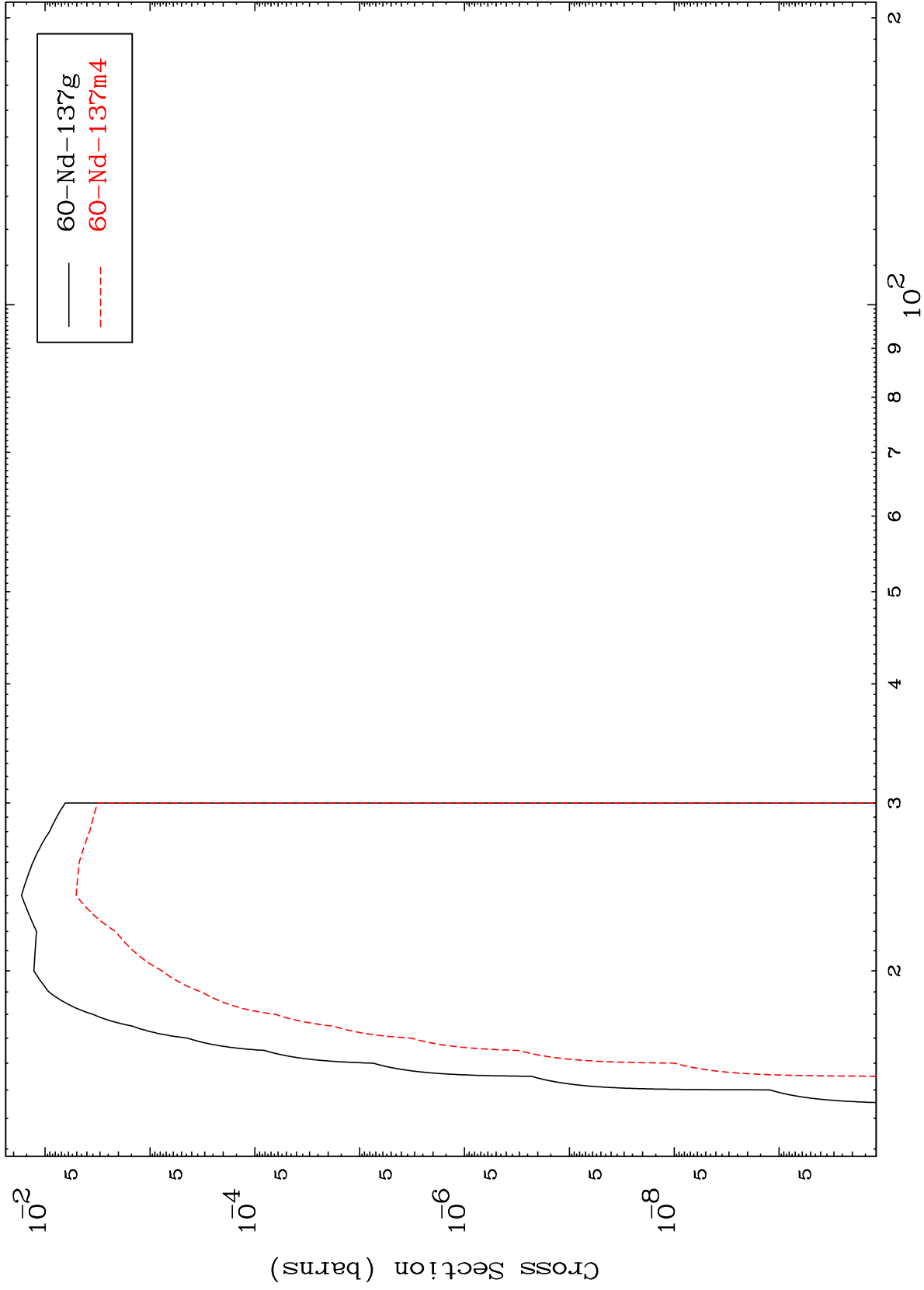
61-Pm-139

MAT 6125

(n,n') p

61-Pm-139

Radionuclide Production Cross Section



14

Incident Energy (MeV)

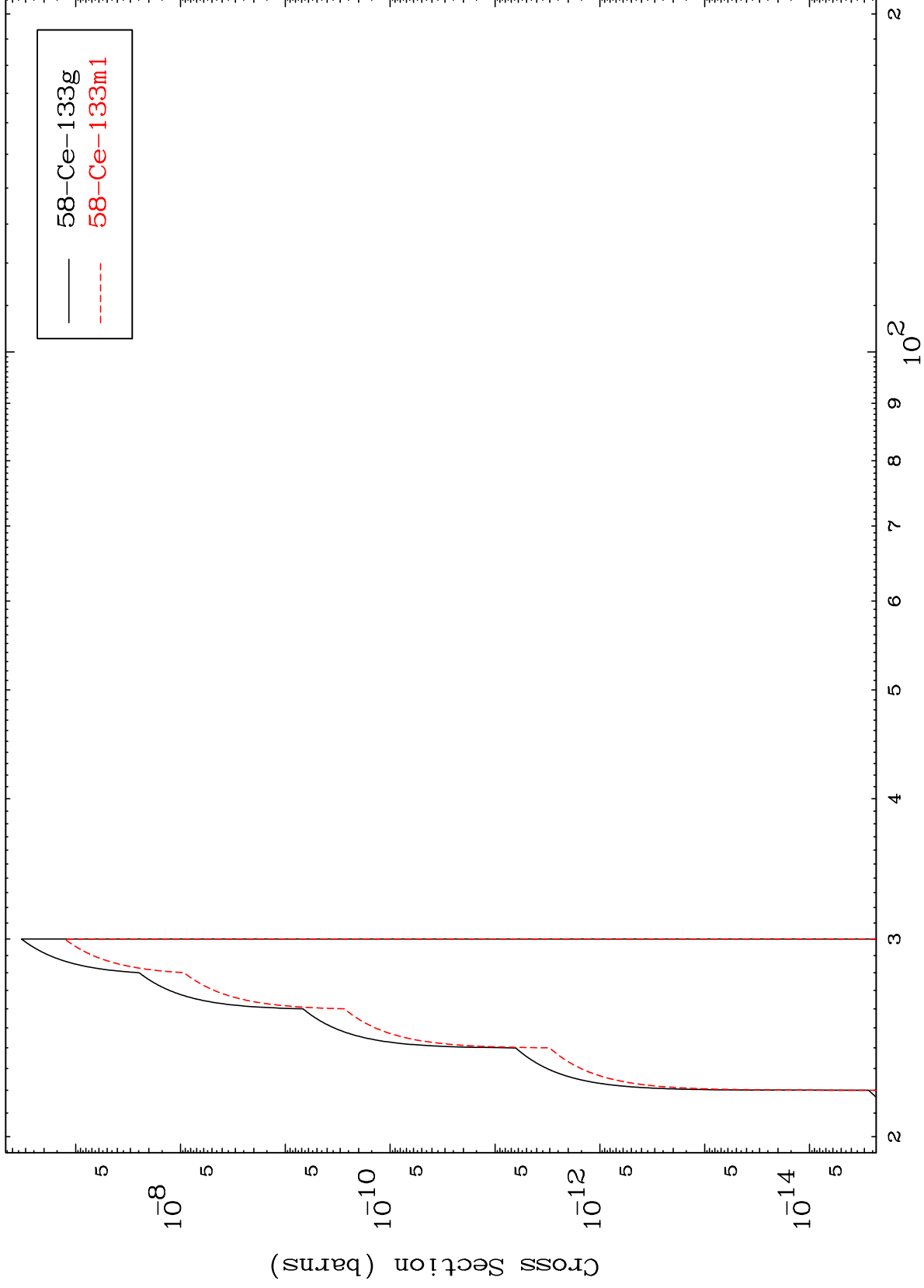
61-Pm-139

MAT 6125

(n,n') p α

61-Pm-139

Radionuclide Production Cross Section



15

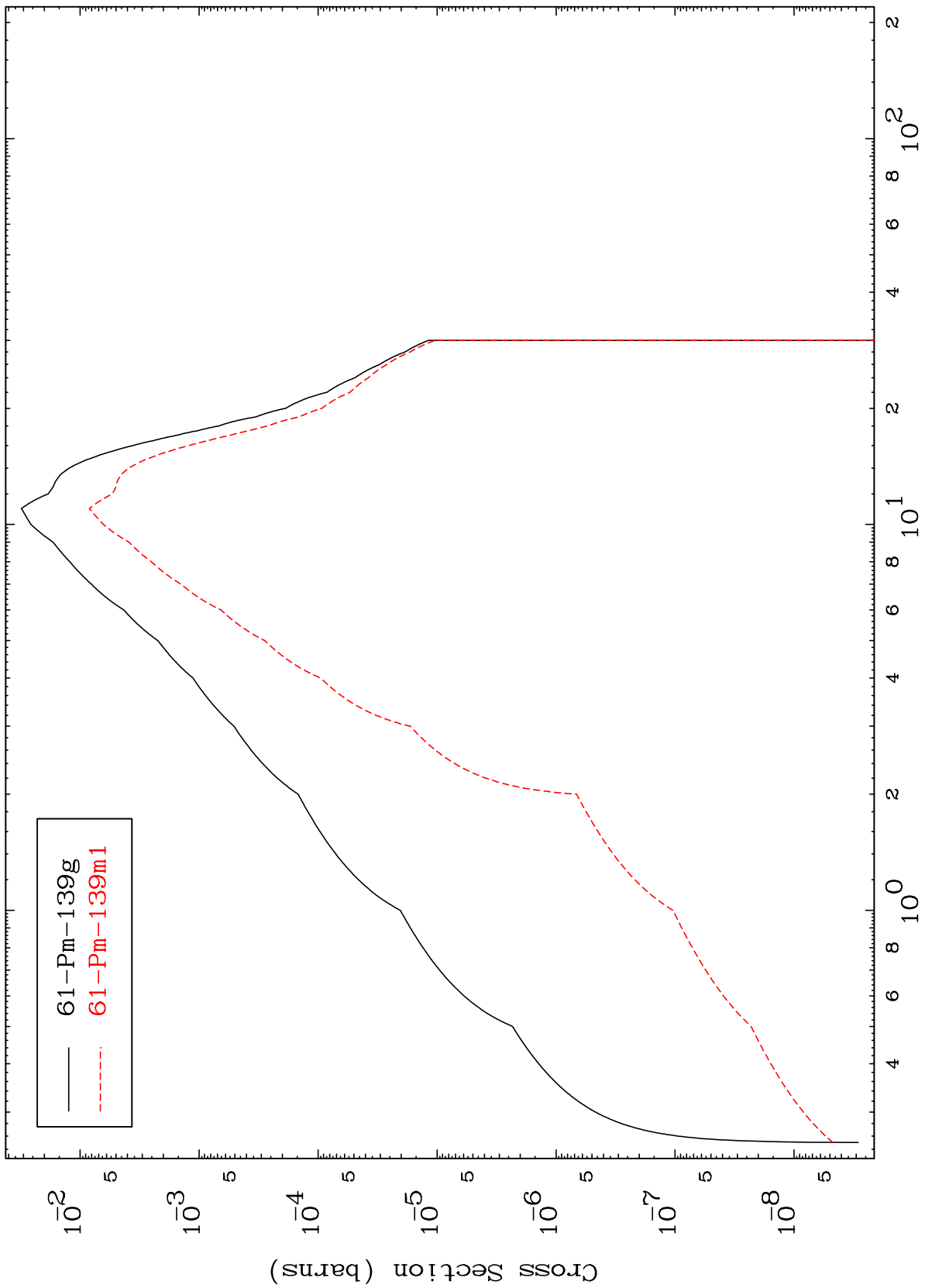
Incident Energy (MeV)

61-Pm-139

MAT 6125

61-Pm-139

(n,γ)
Radionuclide Production Cross Section



— 61-Pm-139g
- - - 61-Pm-139m1

16

Incident Energy (MeV)

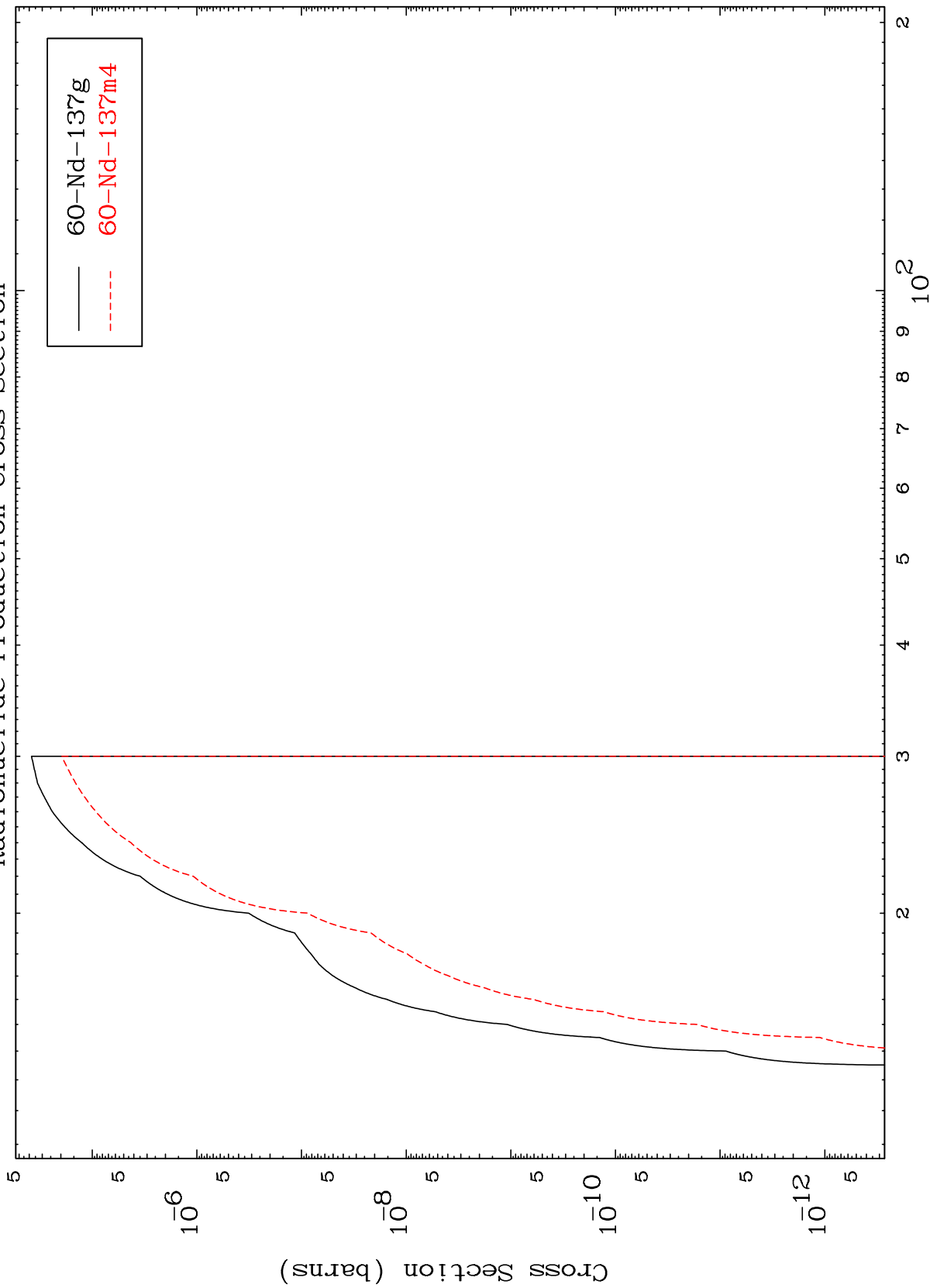
61-Pm-139

MAT 6125

(n,d)

61-Pm-139

Radionuclide Production Cross Section



17

Incident Energy (MeV)

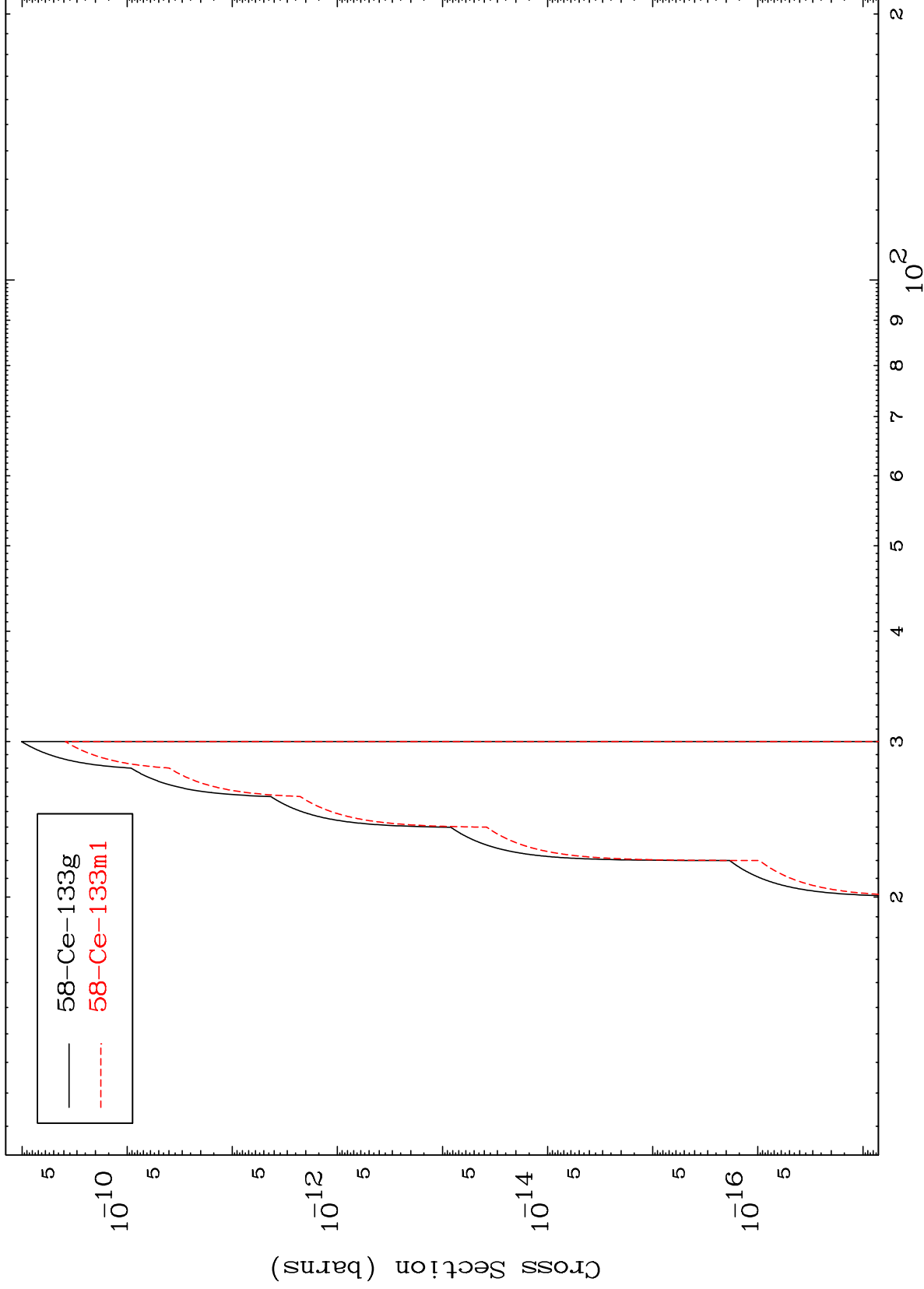
61-Pm-139

MAT 6125

(n,d) α

61-Pm-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

61-Pm-139