

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

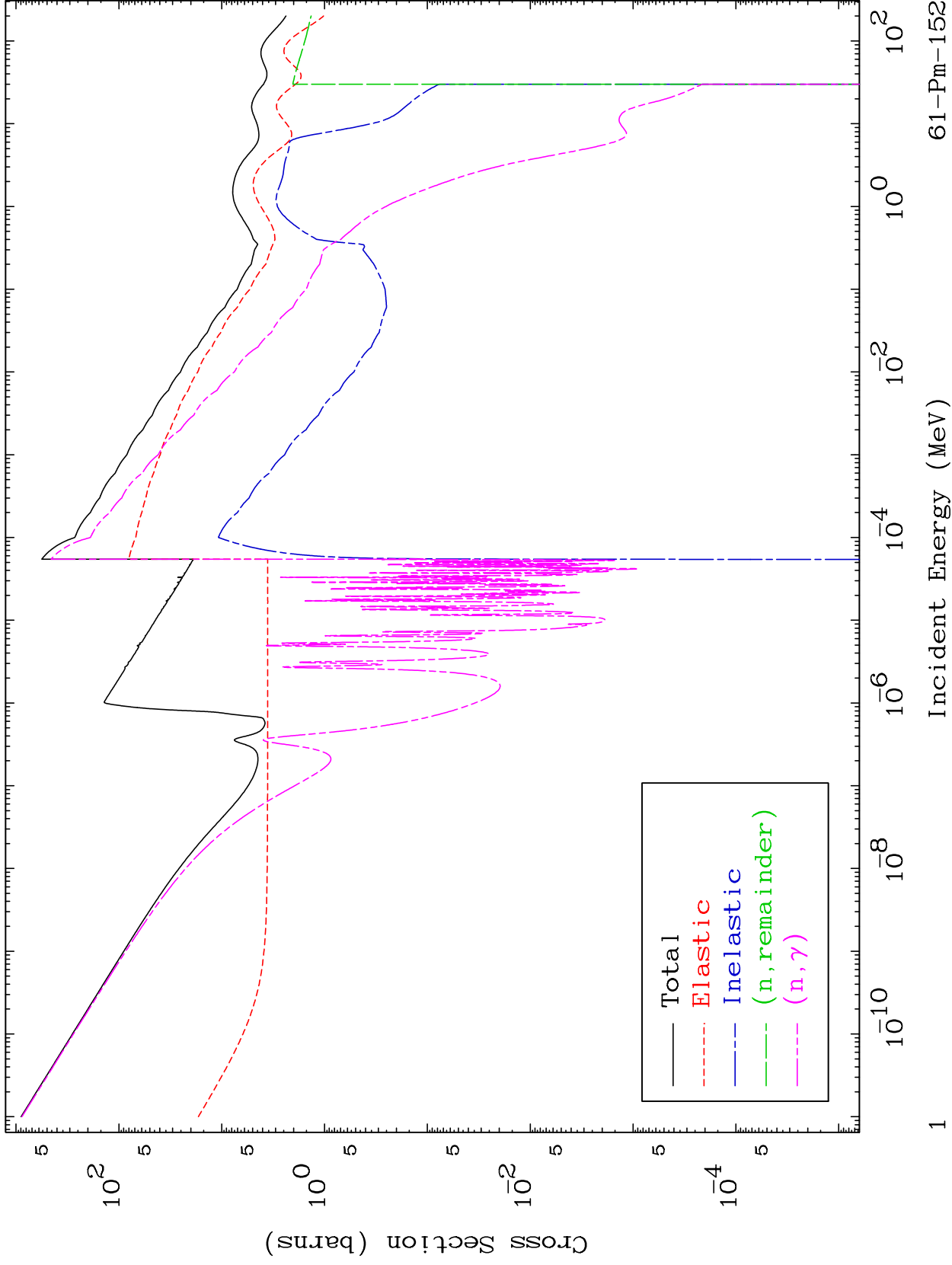
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 61666

Major
293 Kelvin Cross Sections

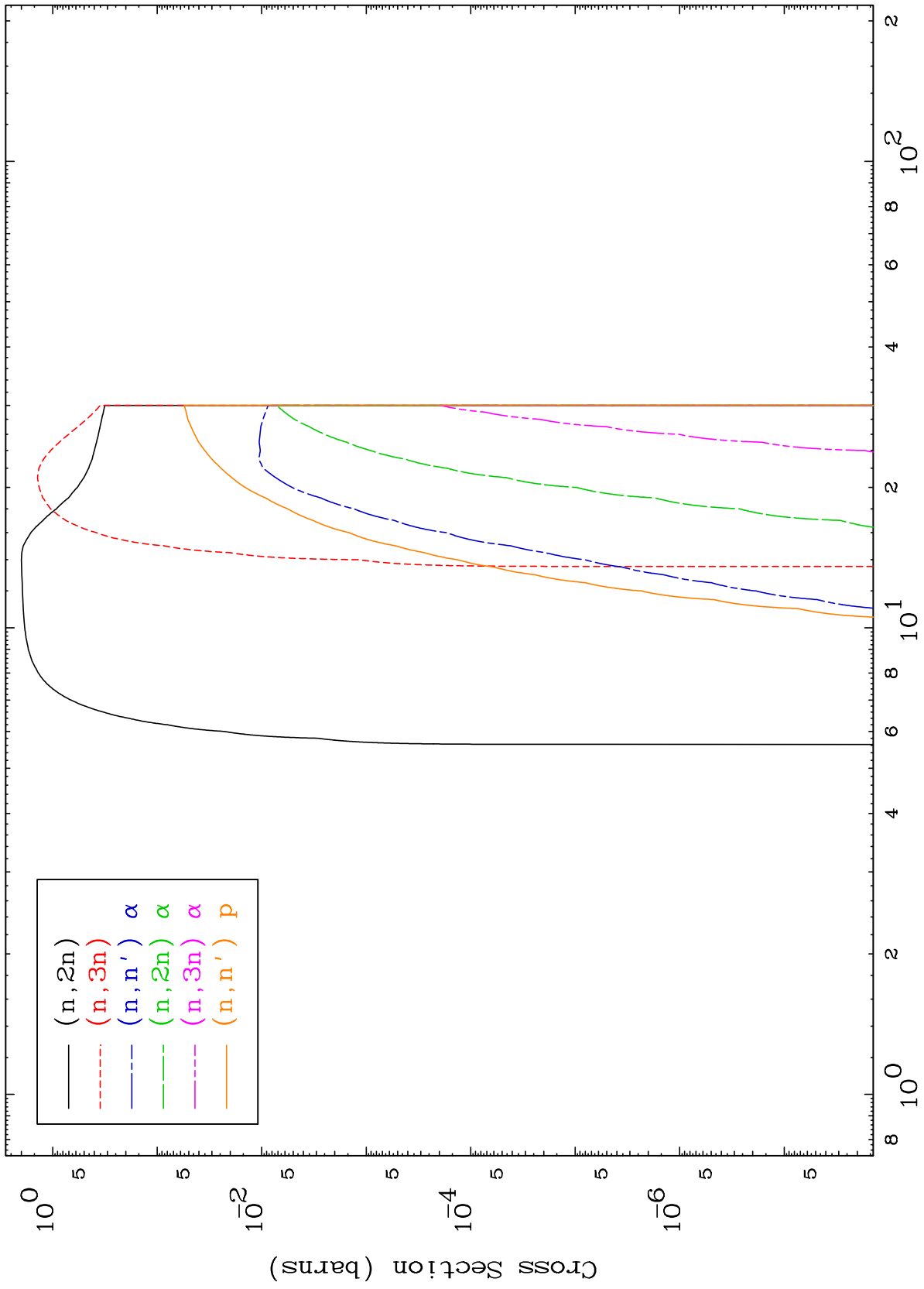
61-Pm-152



MAT 61666

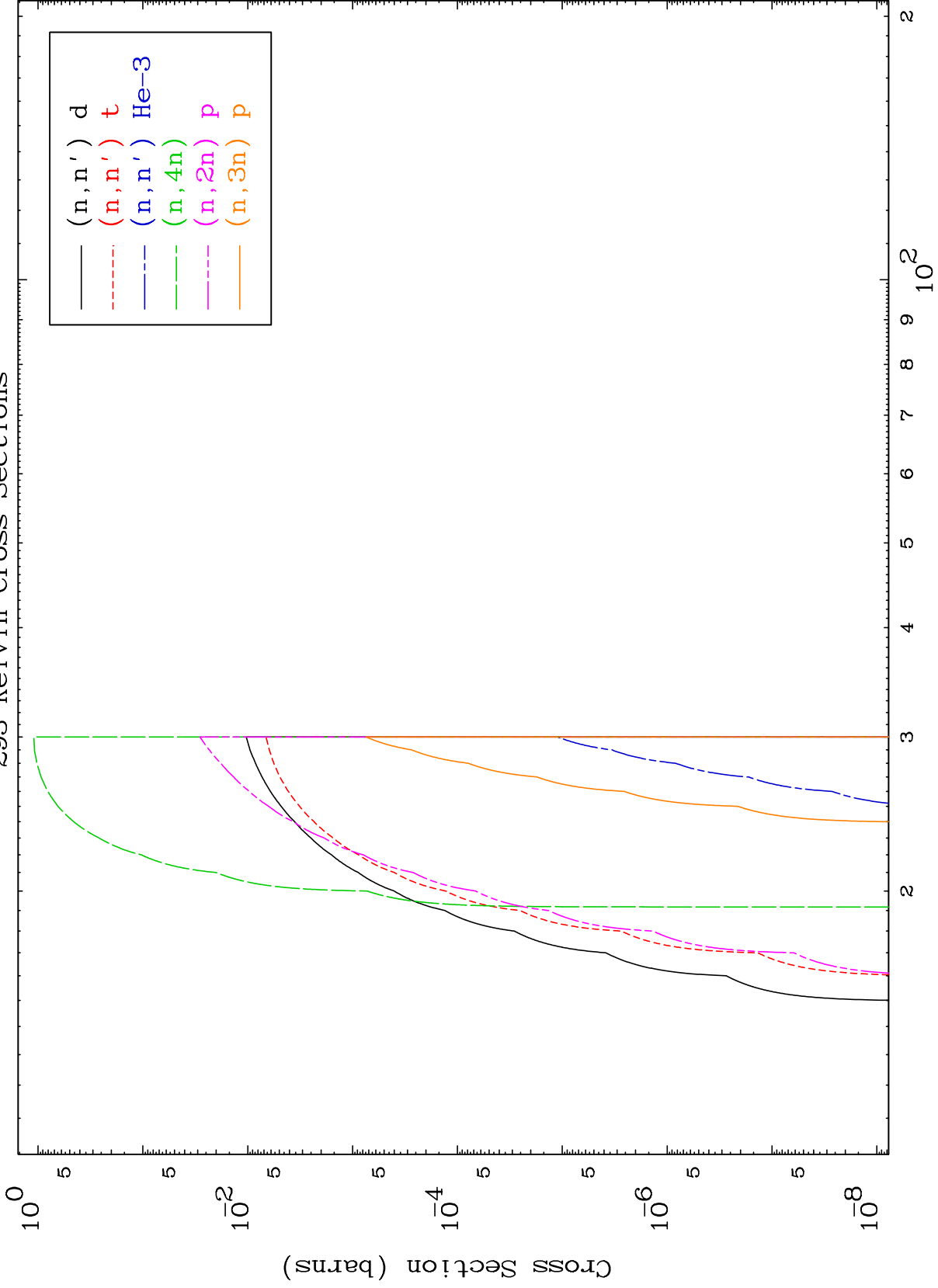
Neutron Production
293 Kelvin Cross Sections

61-Pm-152



Incident Energy (MeV)

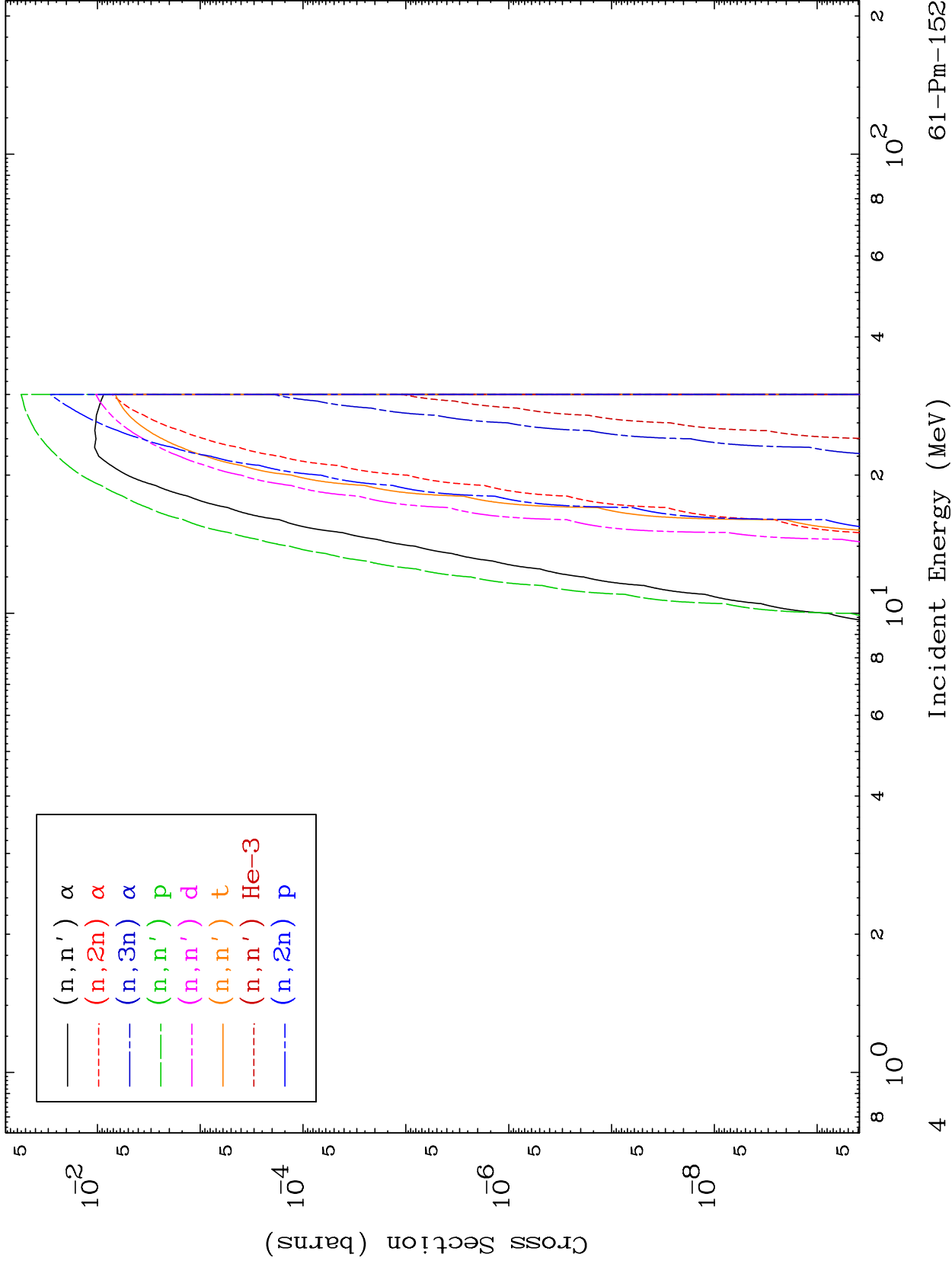
61-Pm-152



MAT 61666

Charged Particle
293 Kelvin Cross Sections

61-Pm-152

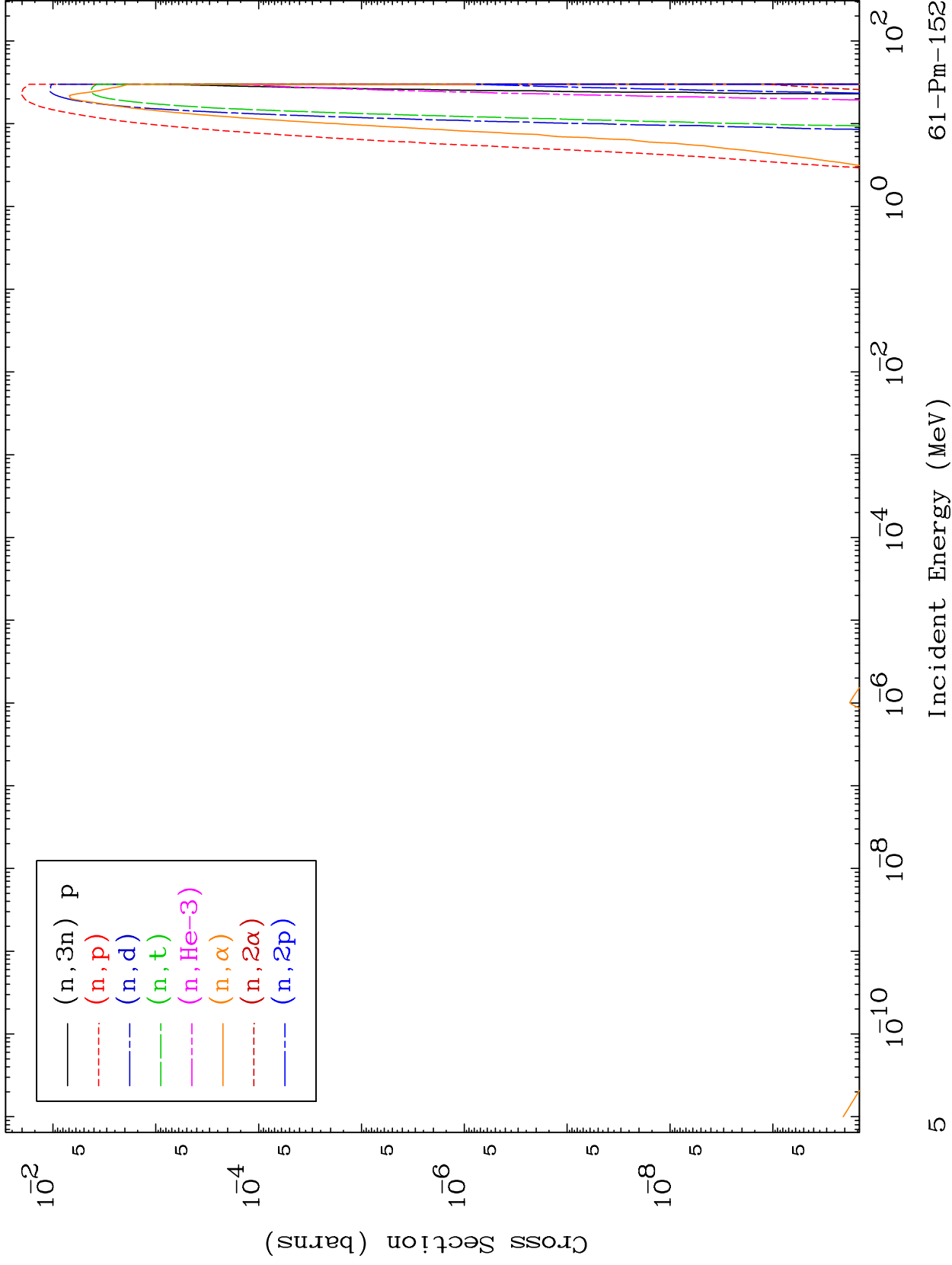


4

MAT 61666

Charged Particle
293 Kelvin Cross Sections

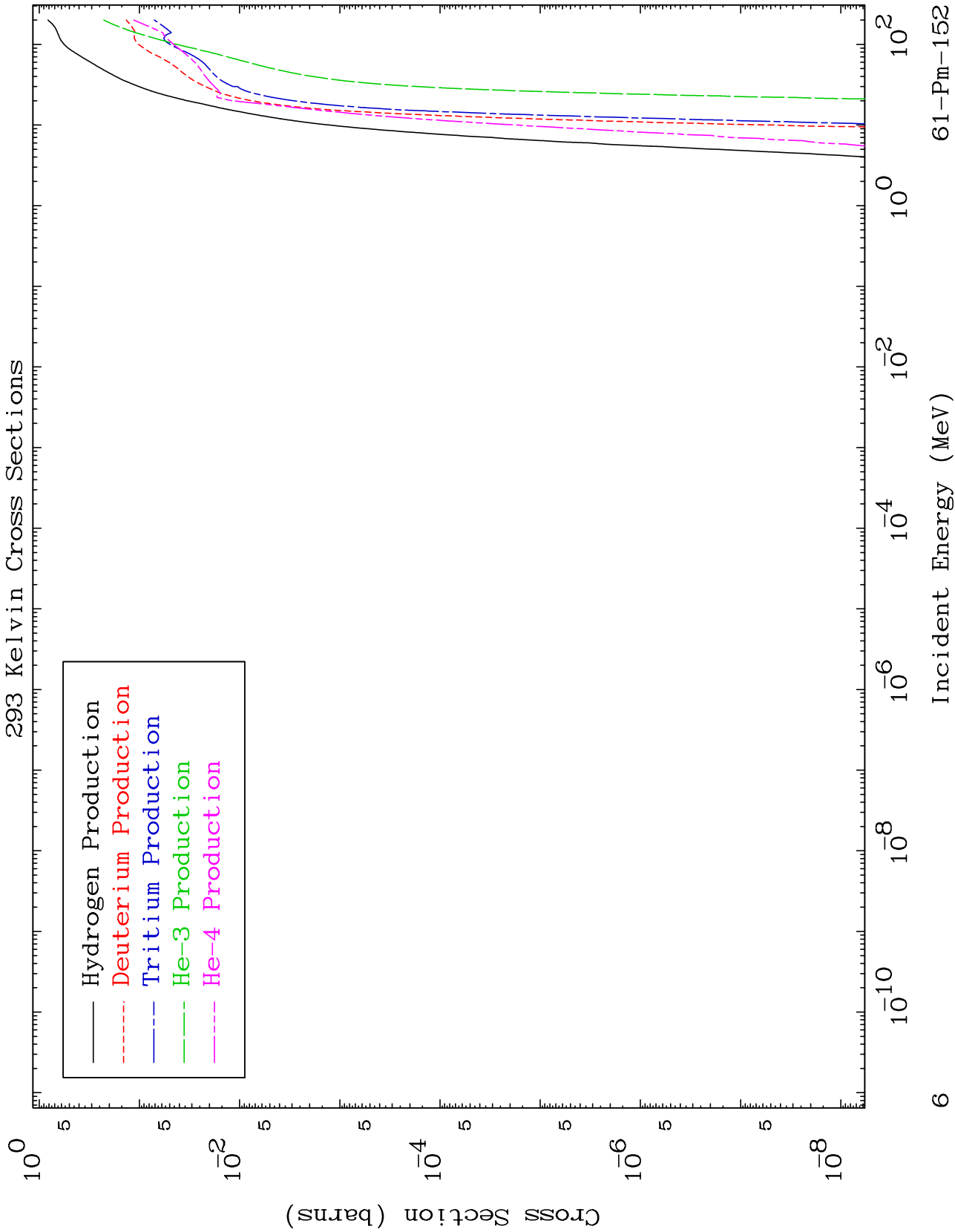
61-Pm-152



MAT 6166

Particle Production
293 Kelvin Cross Sections

61-Pm-152

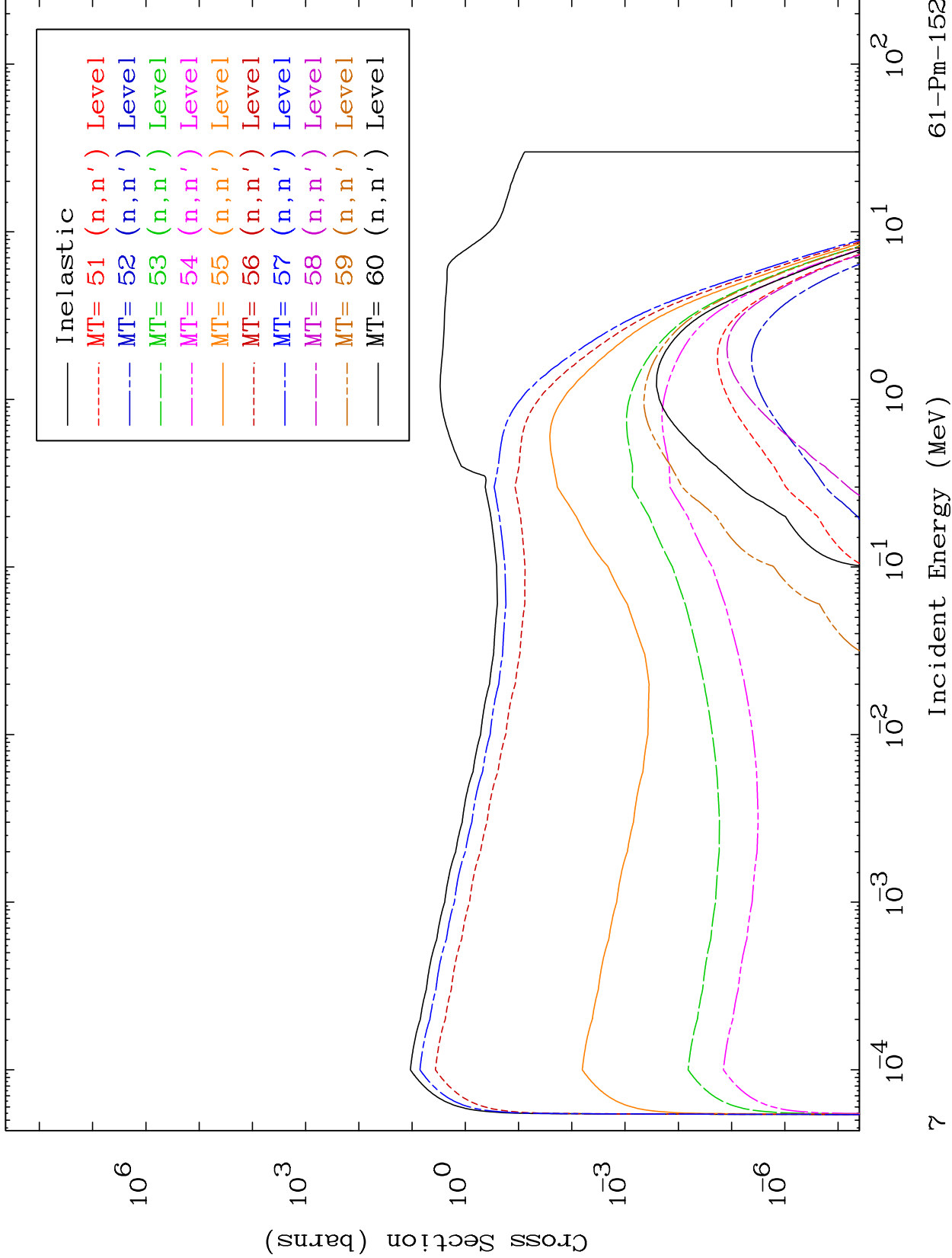


MAT 6166

(n,n') Level

61-Pm-152

293 Kelvin Cross Sections

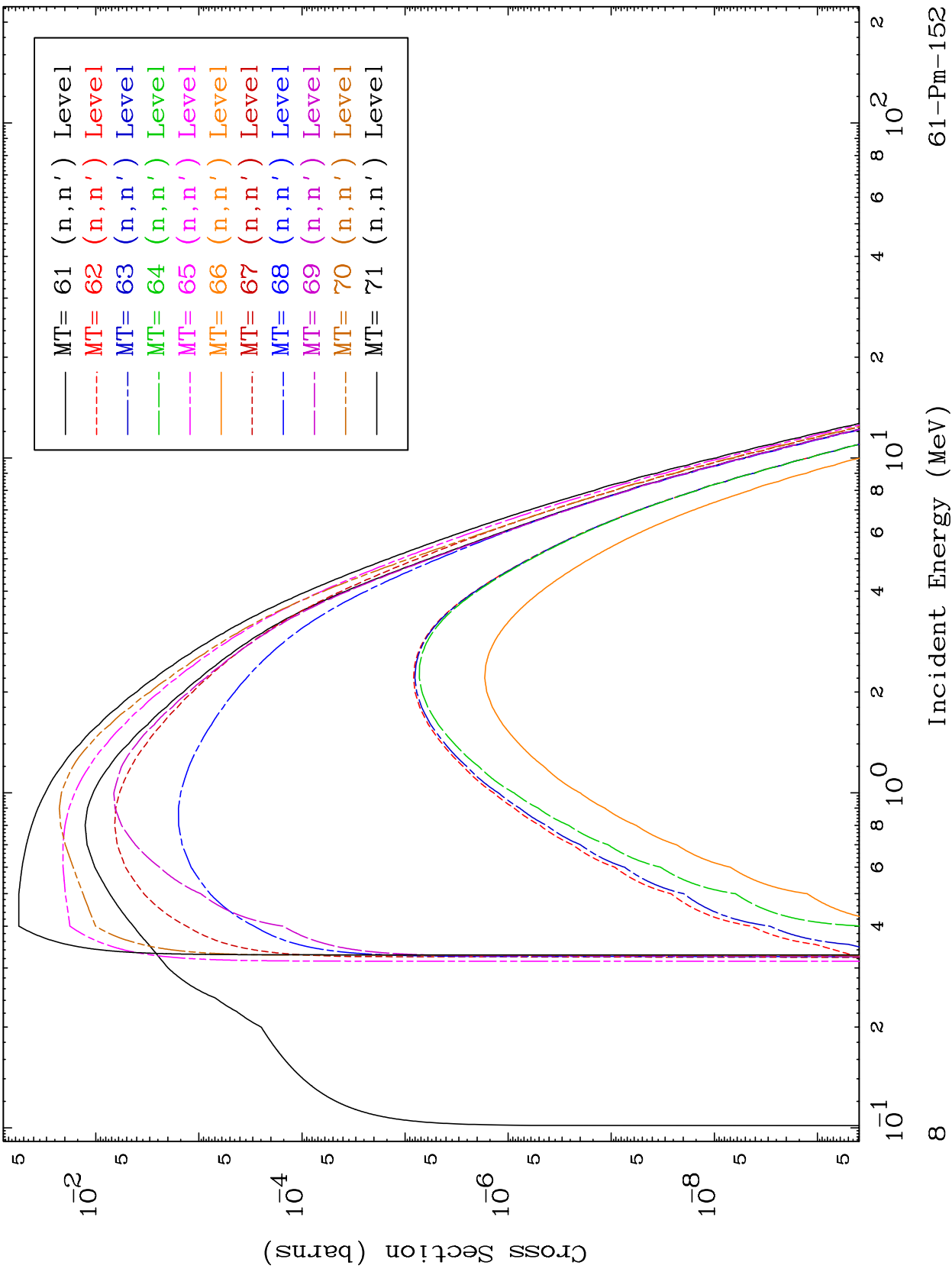


MAT 6166

(n,n') Level

61-Pm-152

293 Kelvin Cross Sections



61-Pm-152

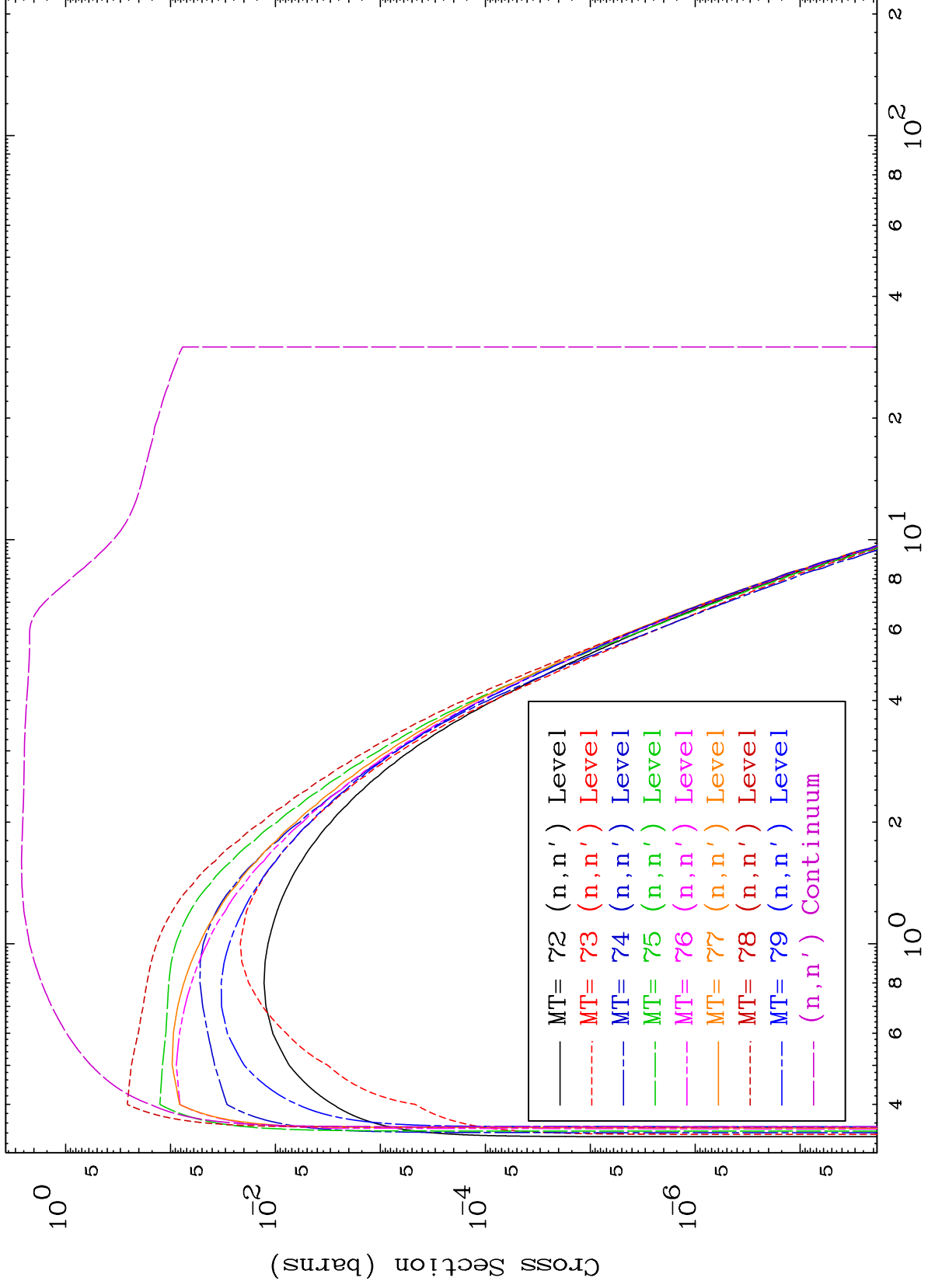
61-Pm-152

MAT 6166

(n,n') Level

61-Pm-152

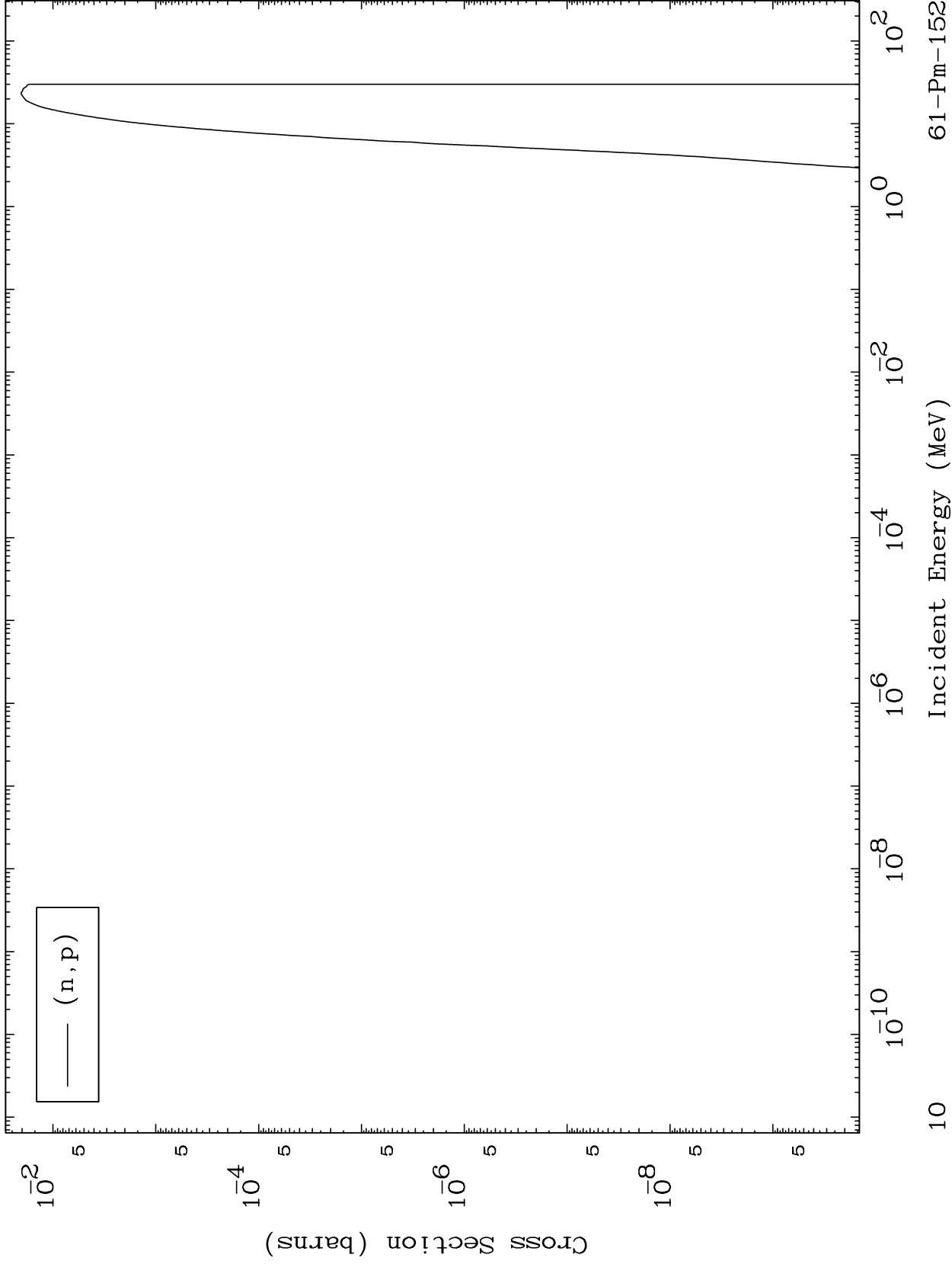
293 Kelvin Cross Sections



MAT 6166

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-152



10

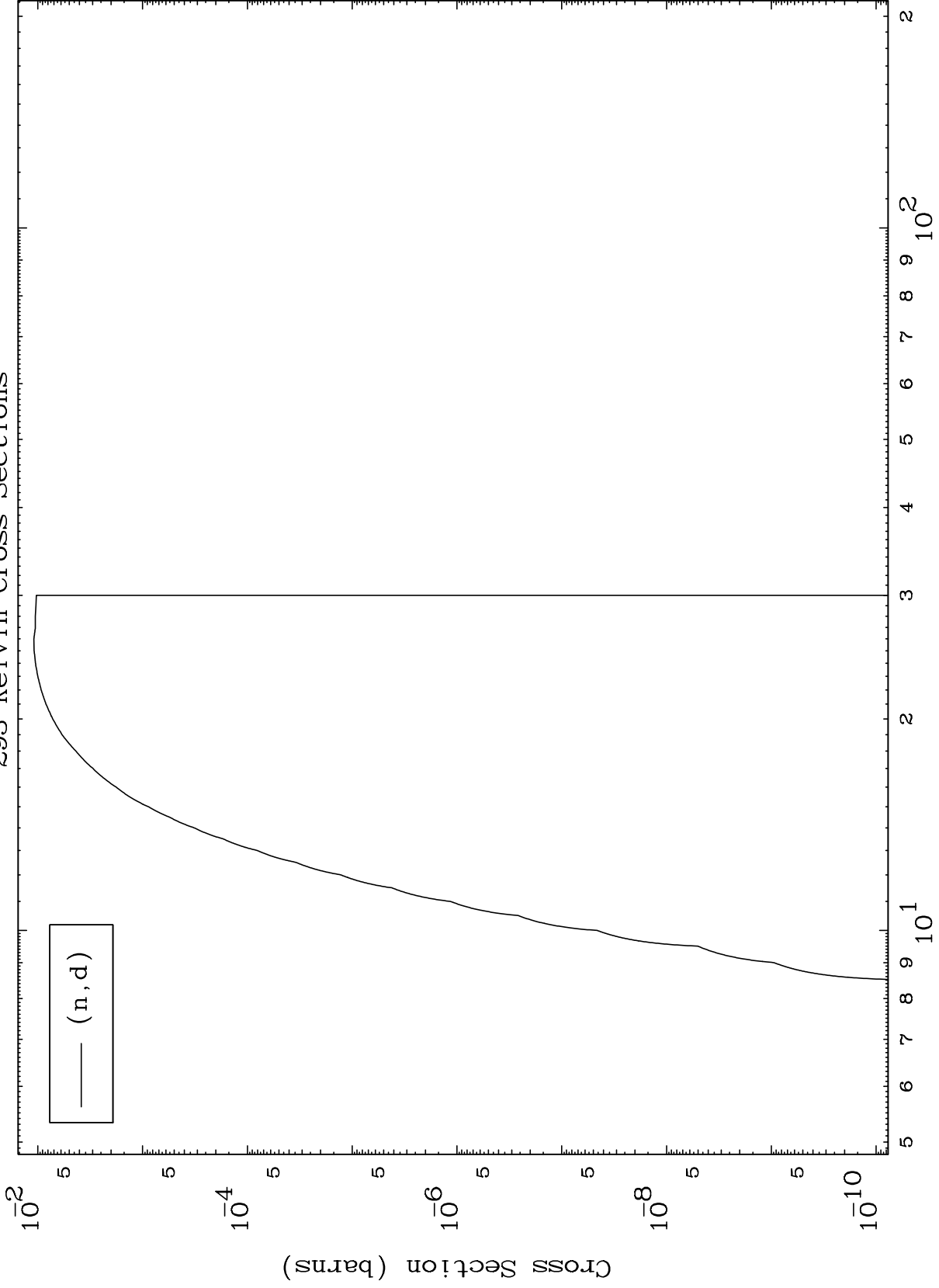
Incident Energy (MeV)

61-Pm-152

MAT 6166

(n,d) Levels
293 Kelvin Cross Sections

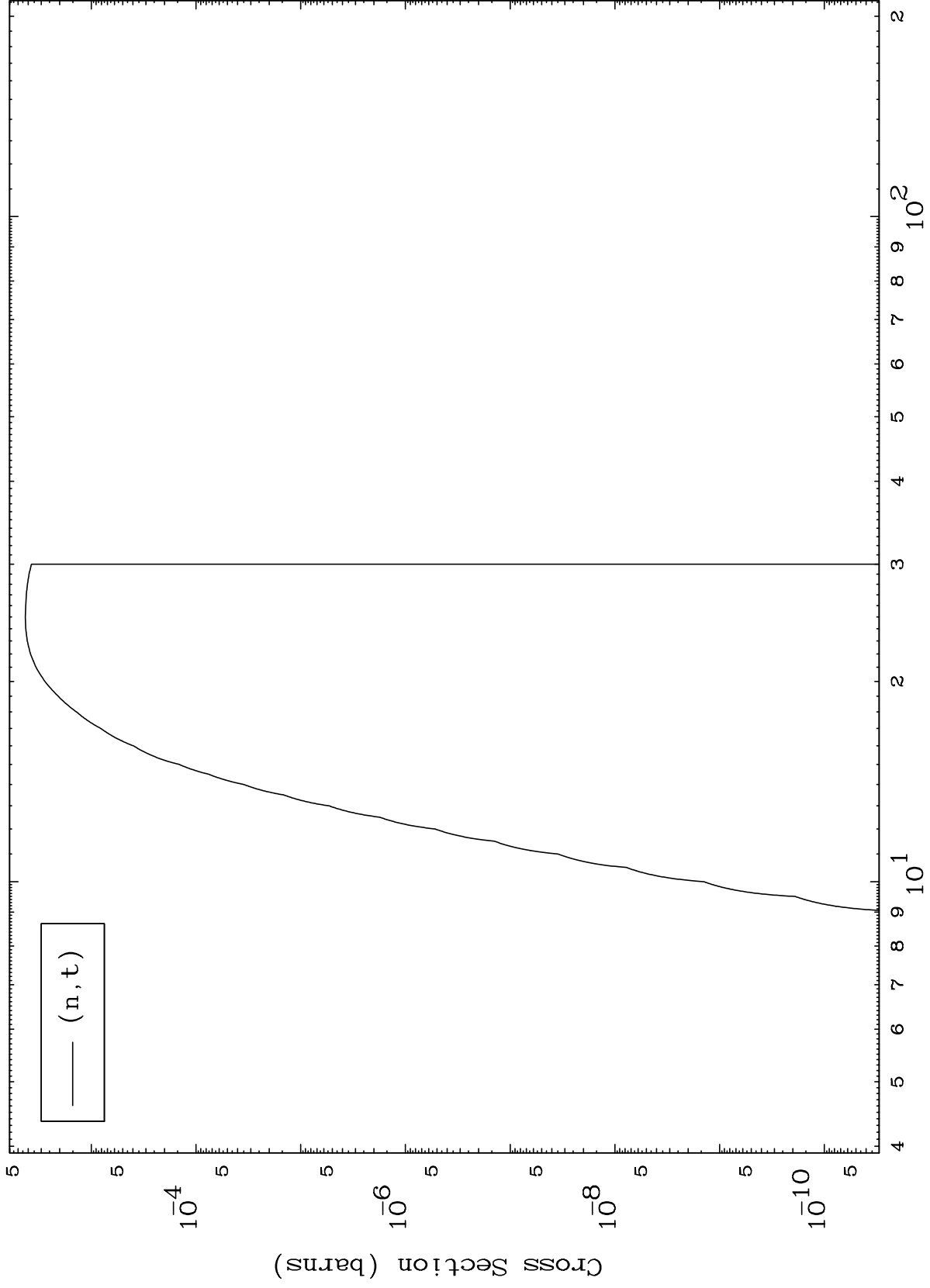
61-Pm-152



MAT 6166

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-152



12

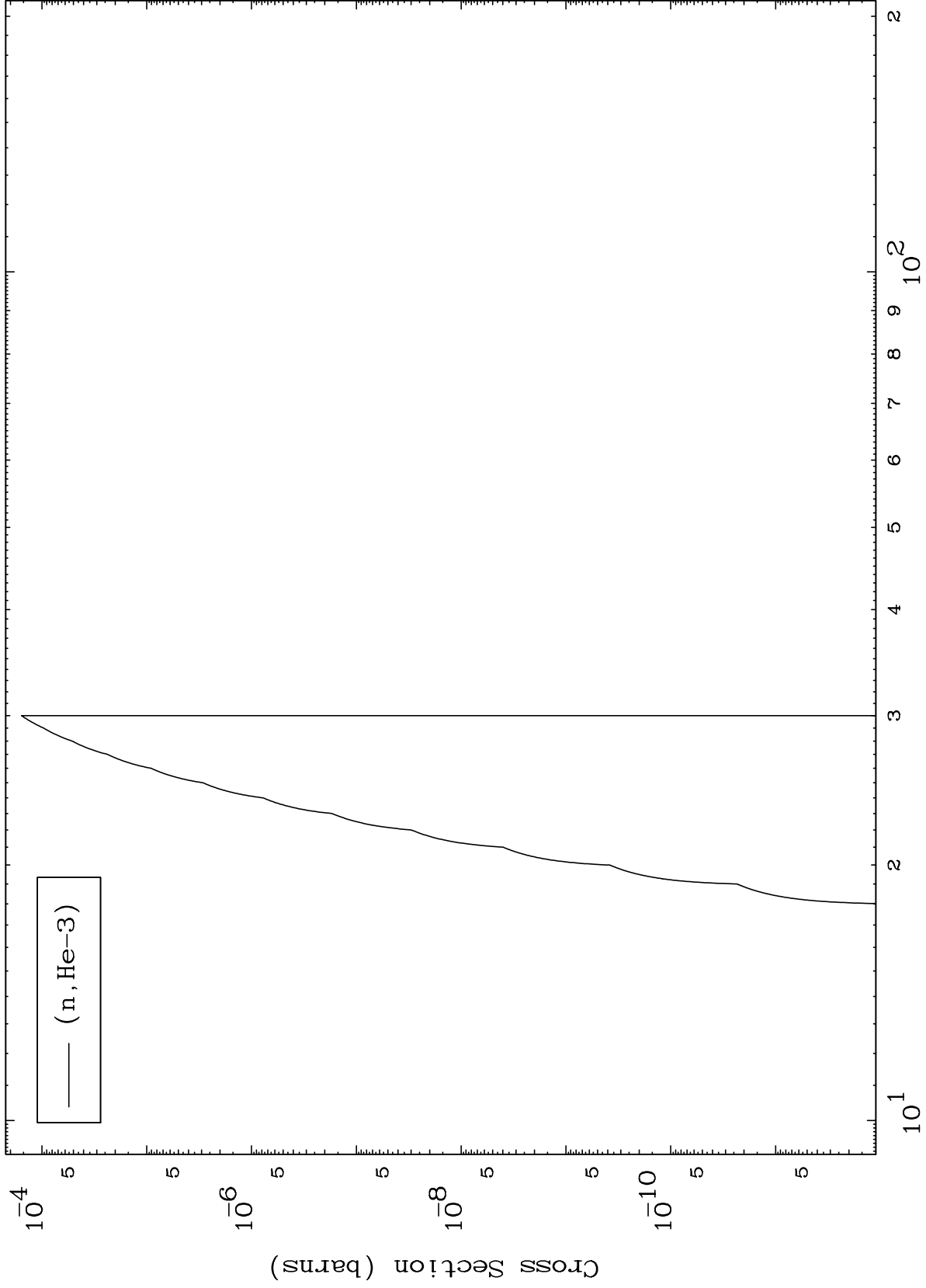
Incident Energy (MeV)

61-Pm-152

MAT 61666

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-152



13

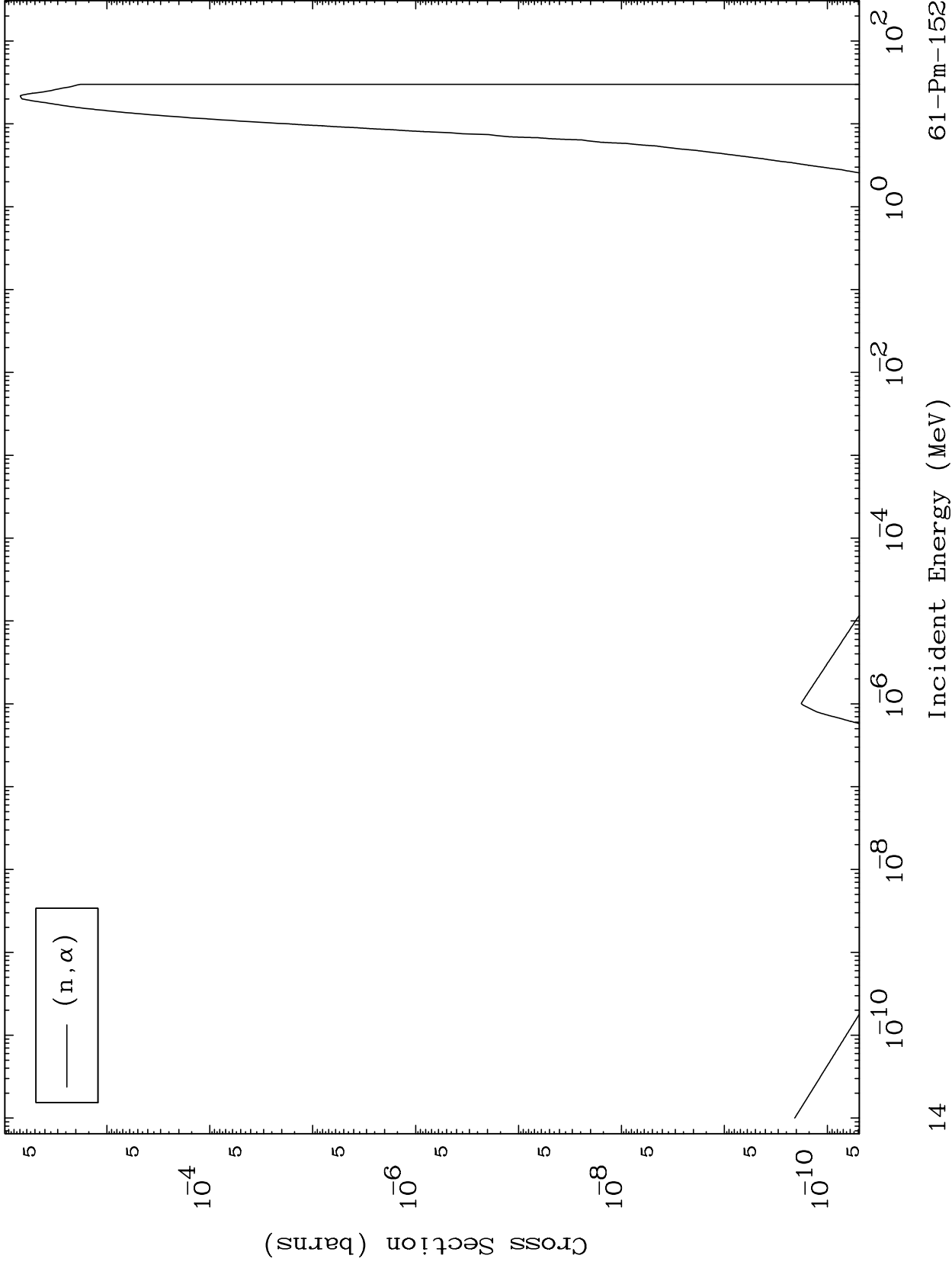
Incident Energy (MeV)

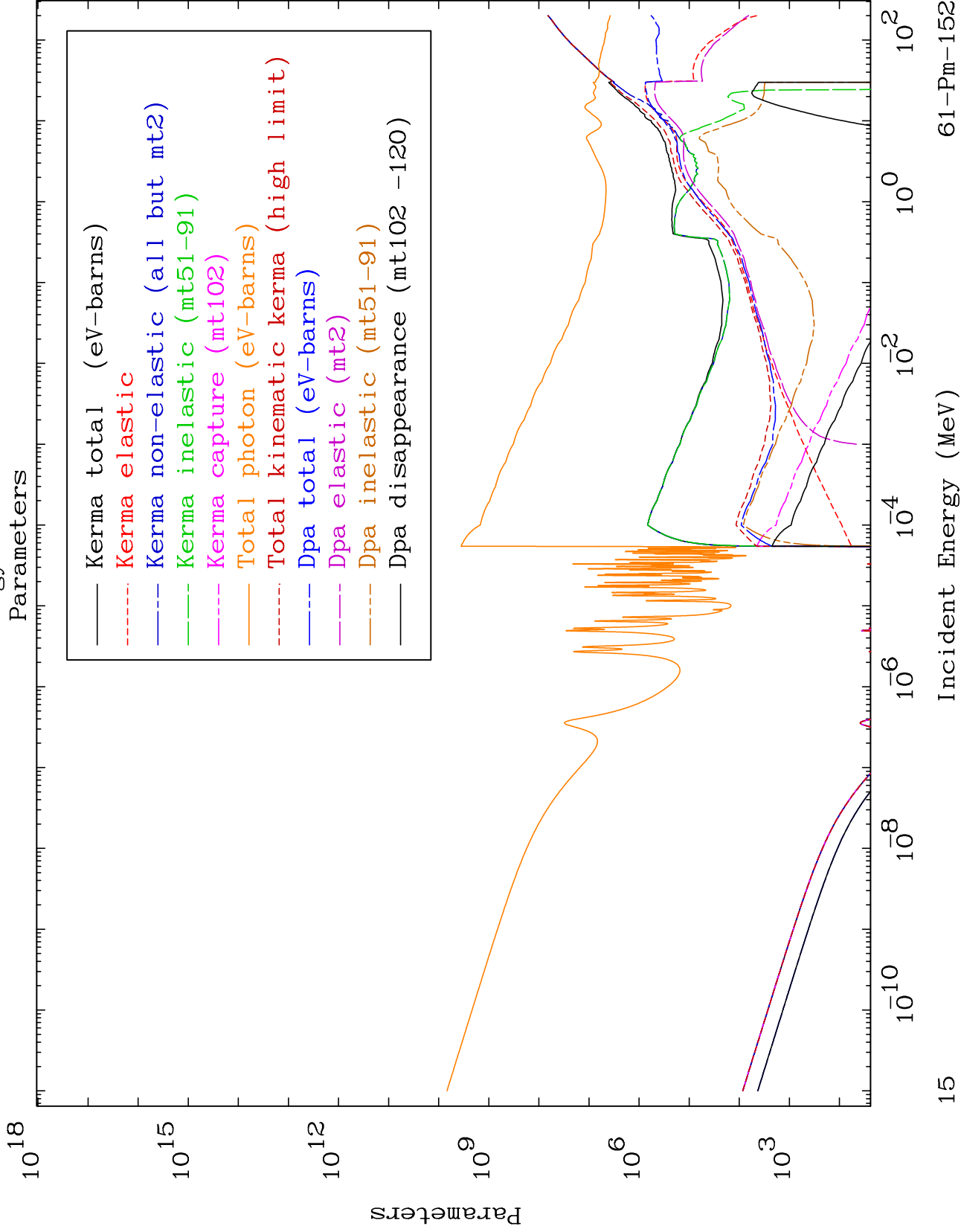
61-Pm-152

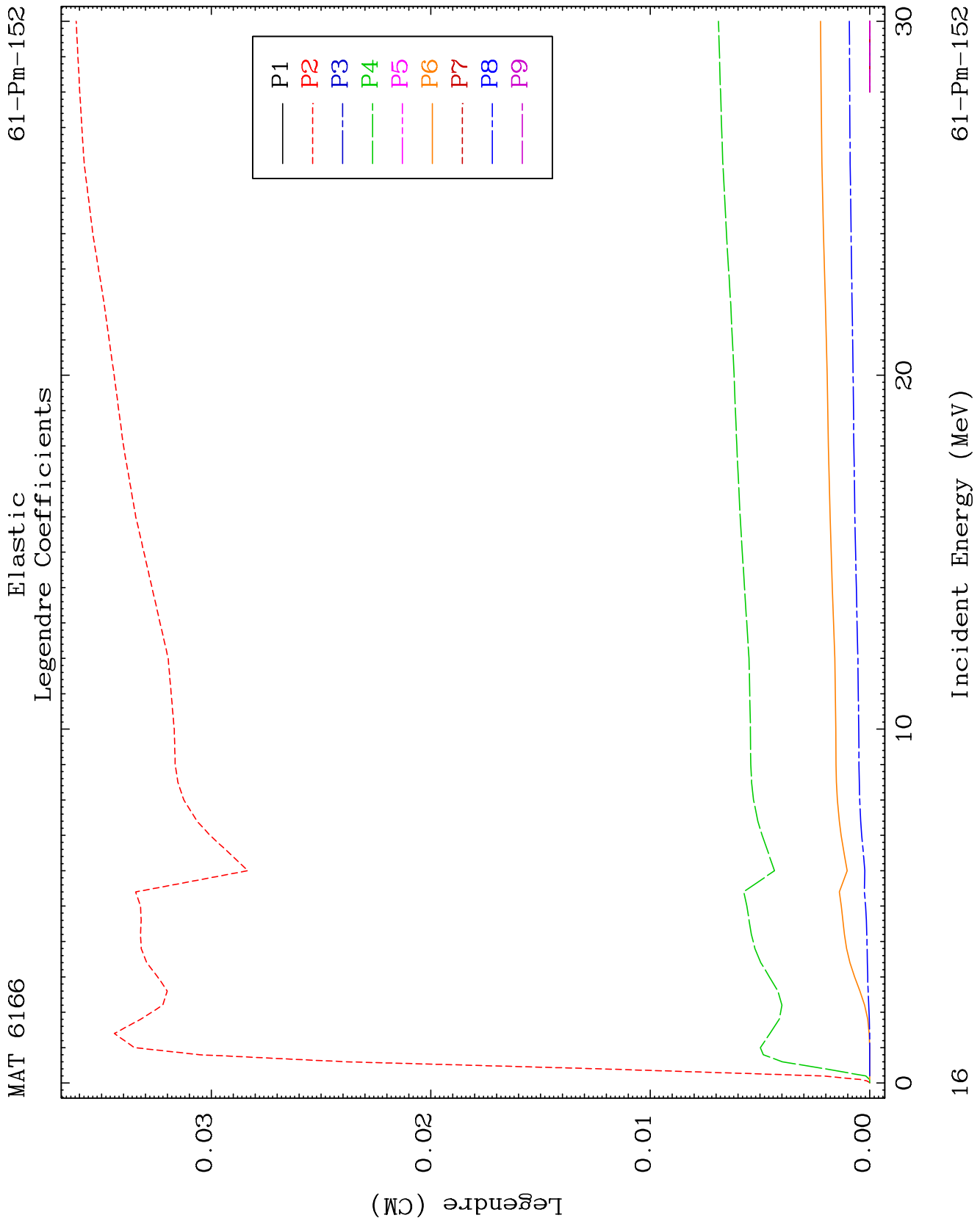
MAT 6166

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-152



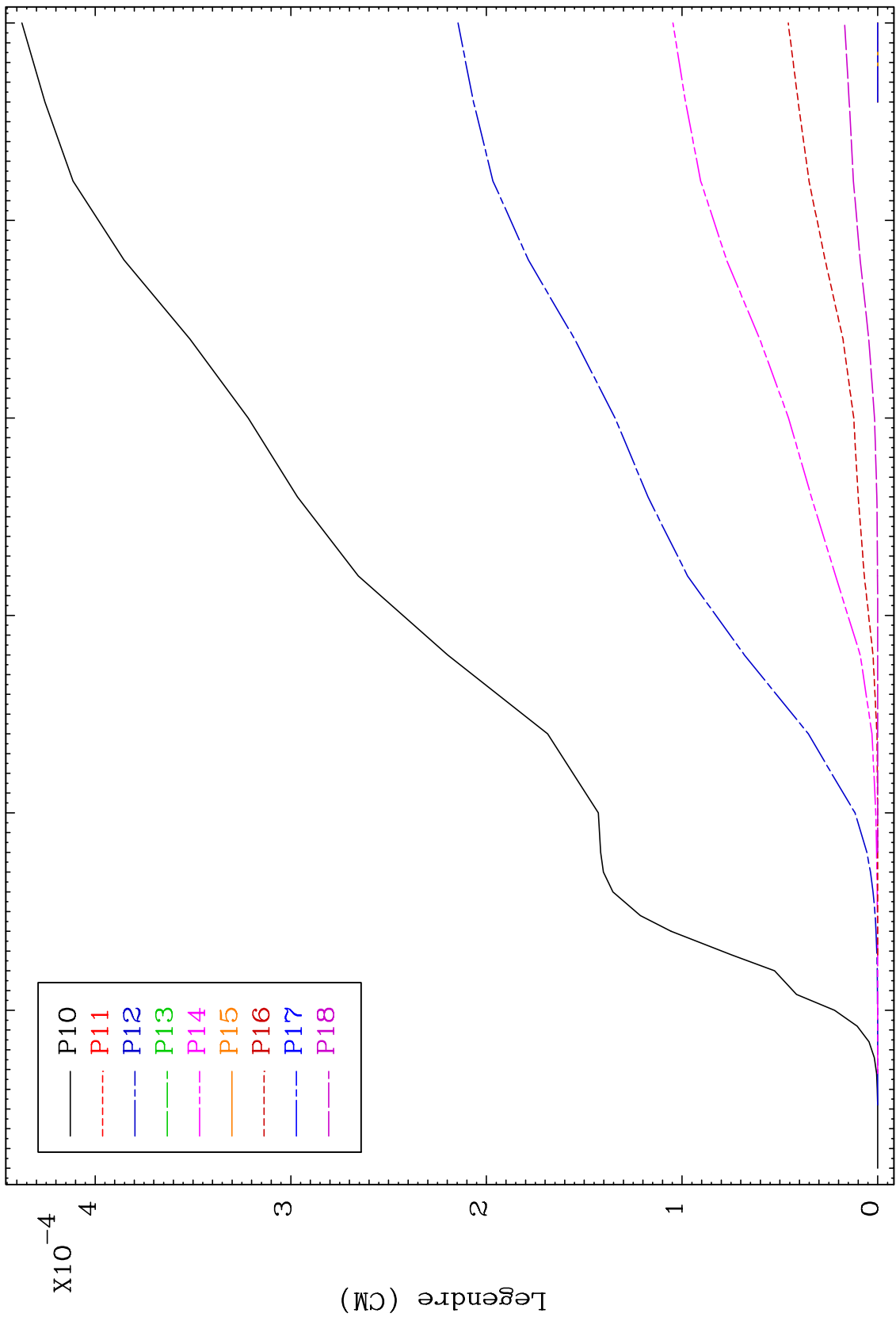




MAT 6166

Elastic Legendre Coefficients

61-Pm-152



17

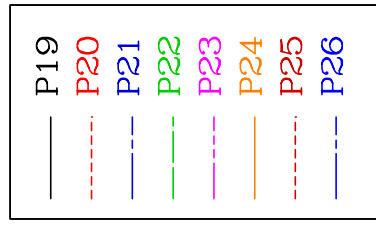
Incident Energy (MeV)

61-Pm-152

MAT 6166

Elastic
Legendre Coefficients

61-Pm-152



$\times 10^{-6}$

Legendre (CM)

3
2
1
0

15

20

25

30

18

Incident Energy (MeV)

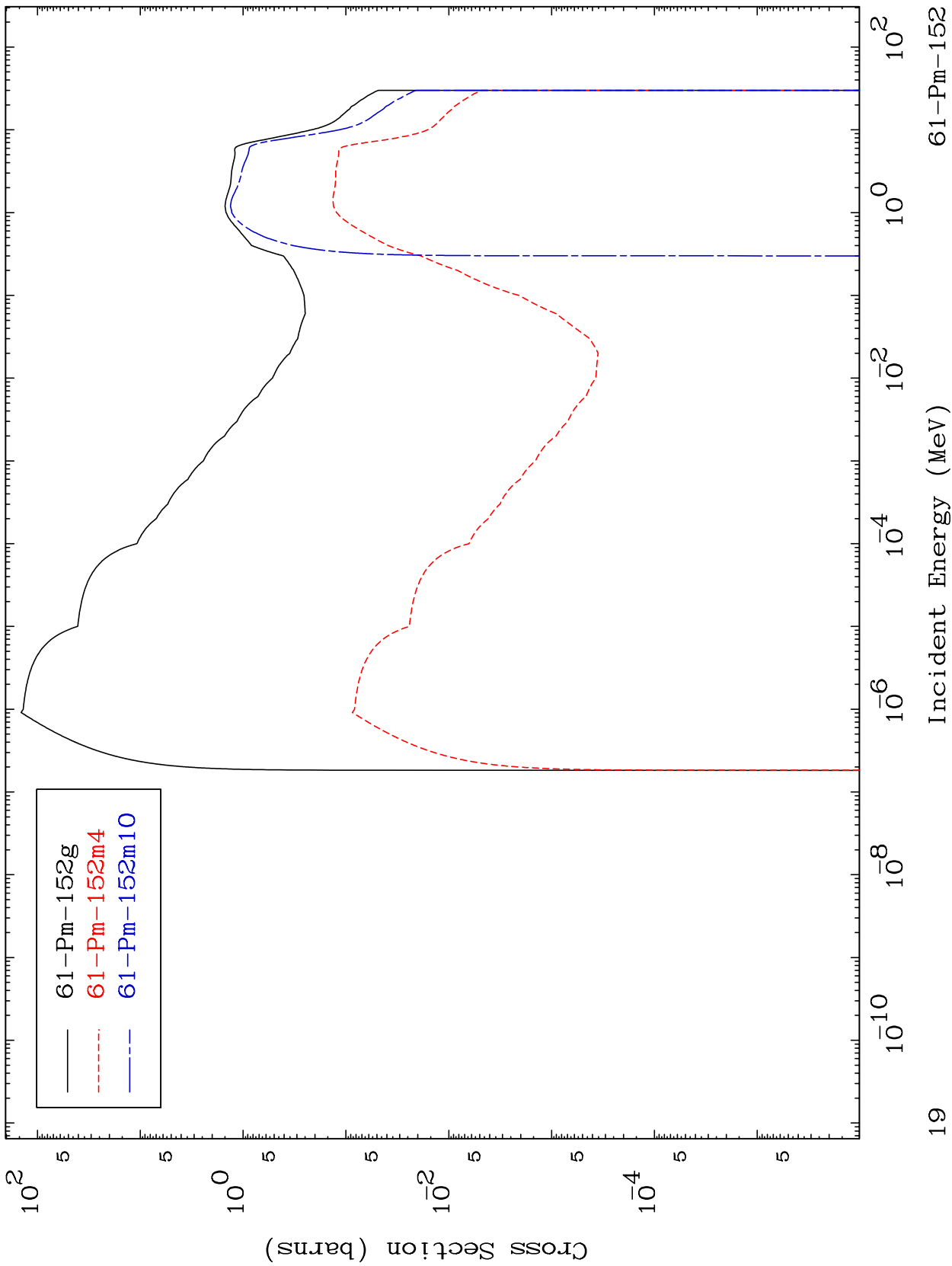
61-Pm-152



MAT 61666

Inelastic Radionuclide Production Cross Section

61-Pm-152

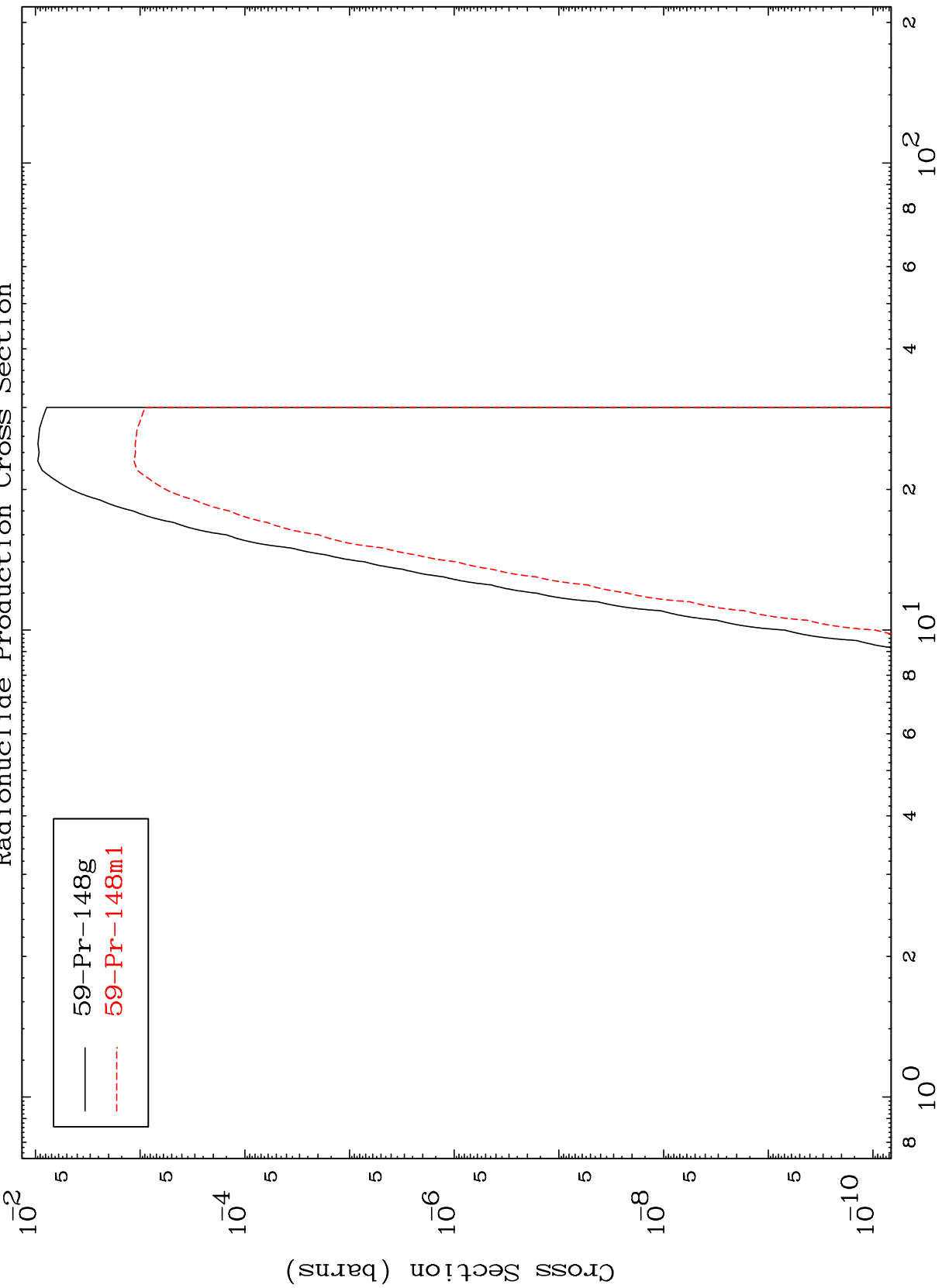


MAT 61666

(n,n') α

61-Pm-152

Radionuclide Production Cross Section



— 59-Pr-148g
- - - 59-Pr-148m1

20

Incident Energy (MeV)

61-Pm-152