

Program EVALPLOT
(Version 2018-1)

by

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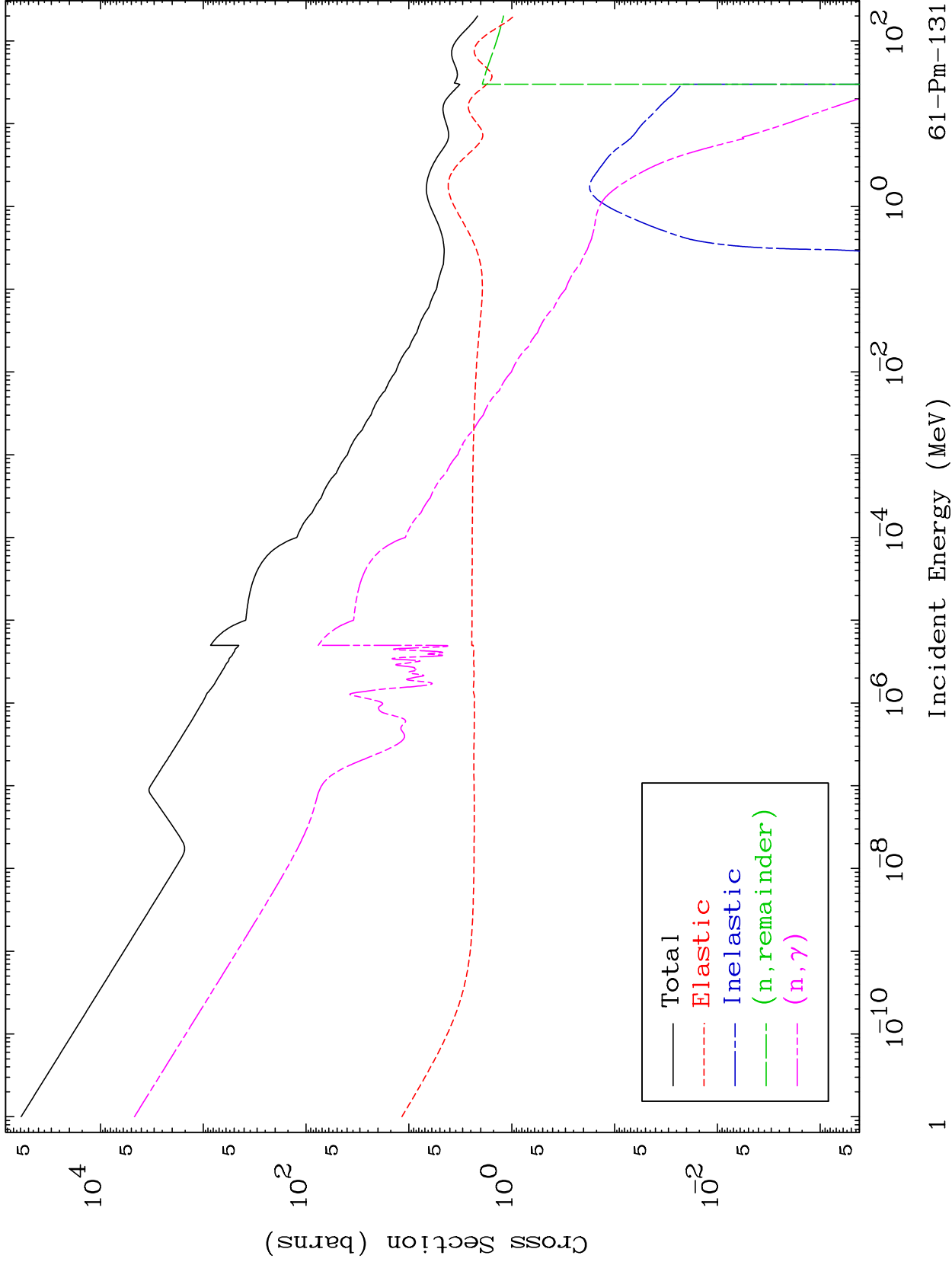
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6101

Major
293 Kelvin Cross Sections

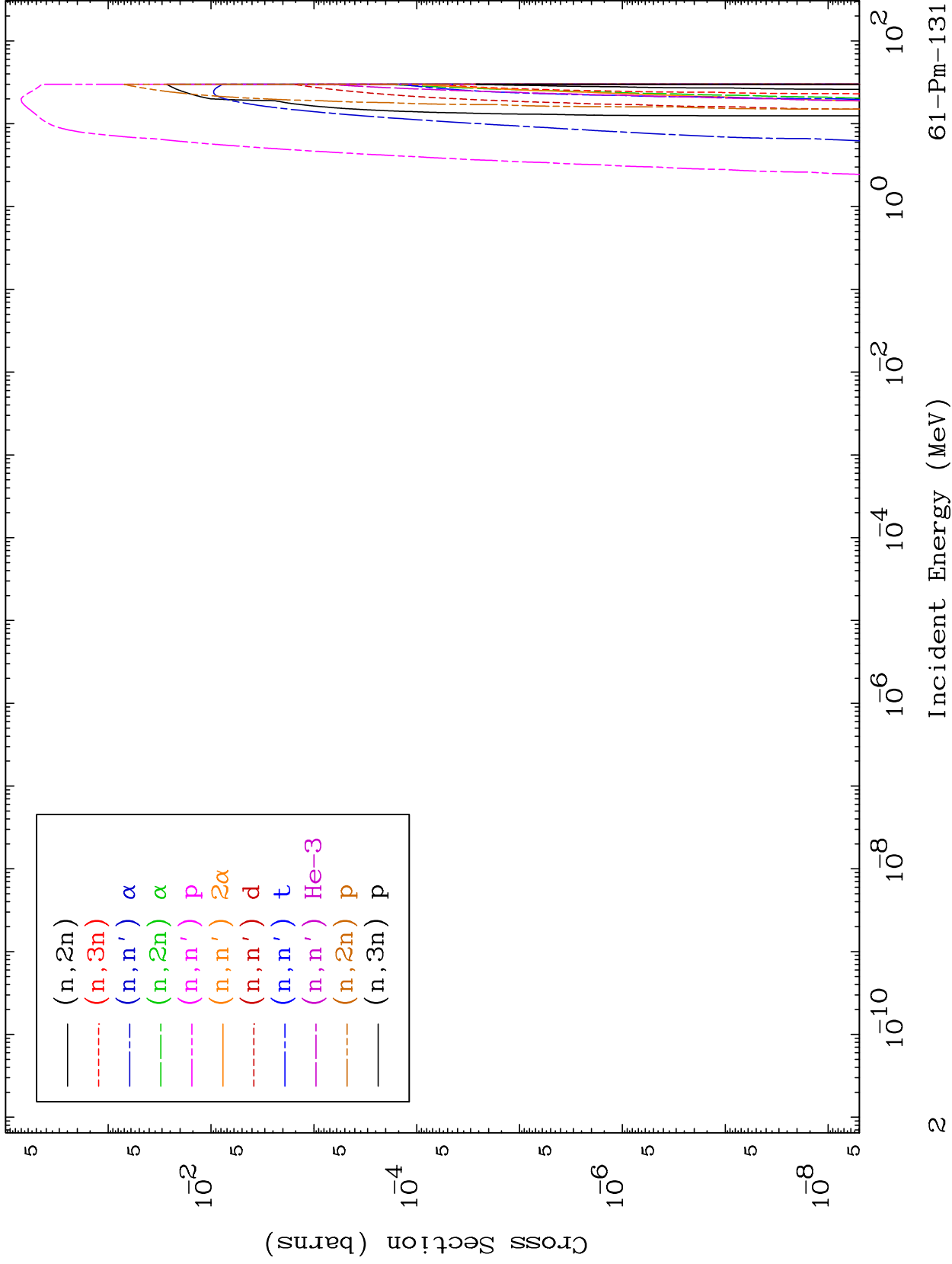
61-Pm-131



MAT 6101

Neutron Production
293 Kelvin Cross Sections

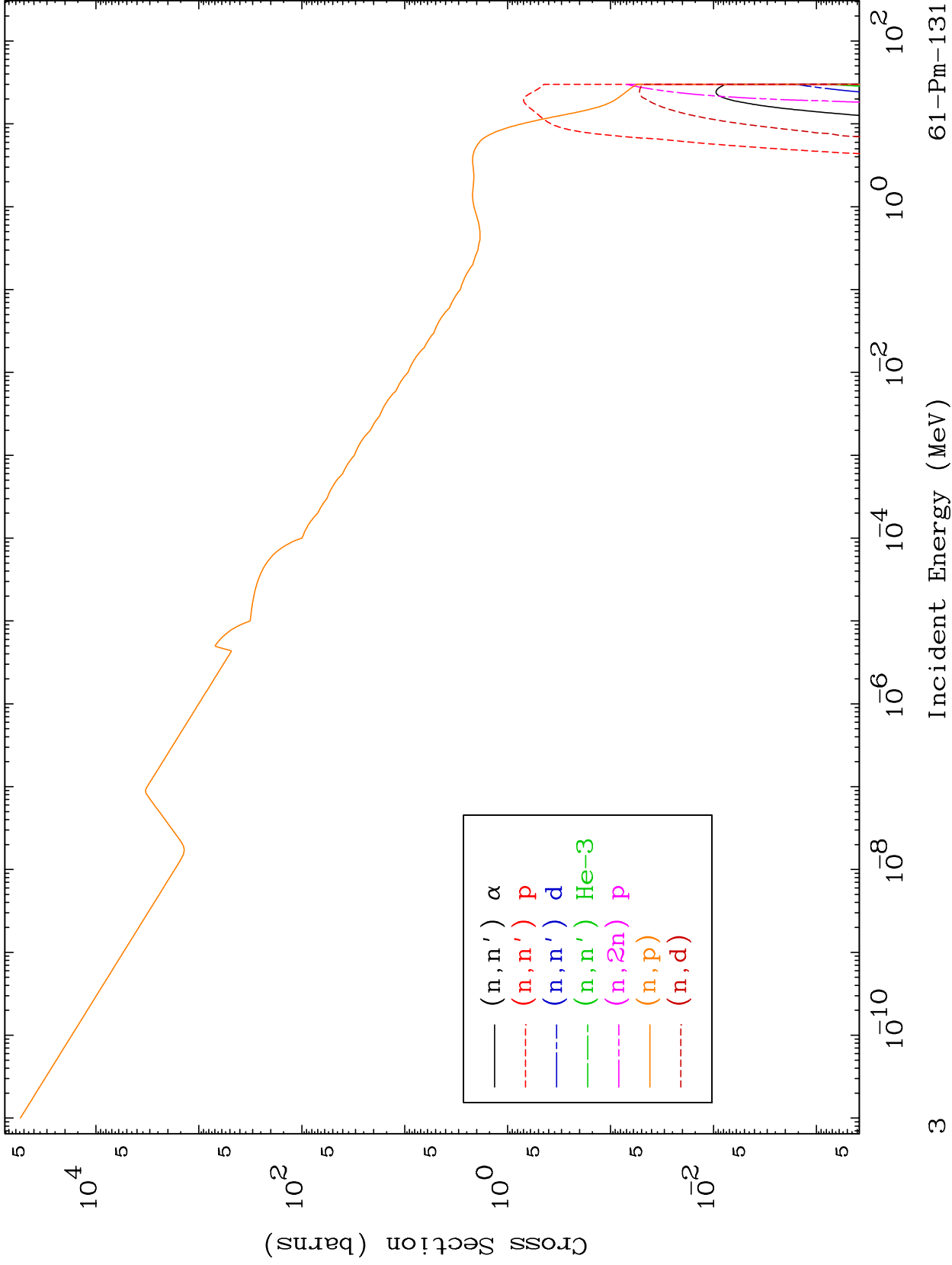
61-Pm-131



MAT 6101

Charged Particle
293 Kelvin Cross Sections

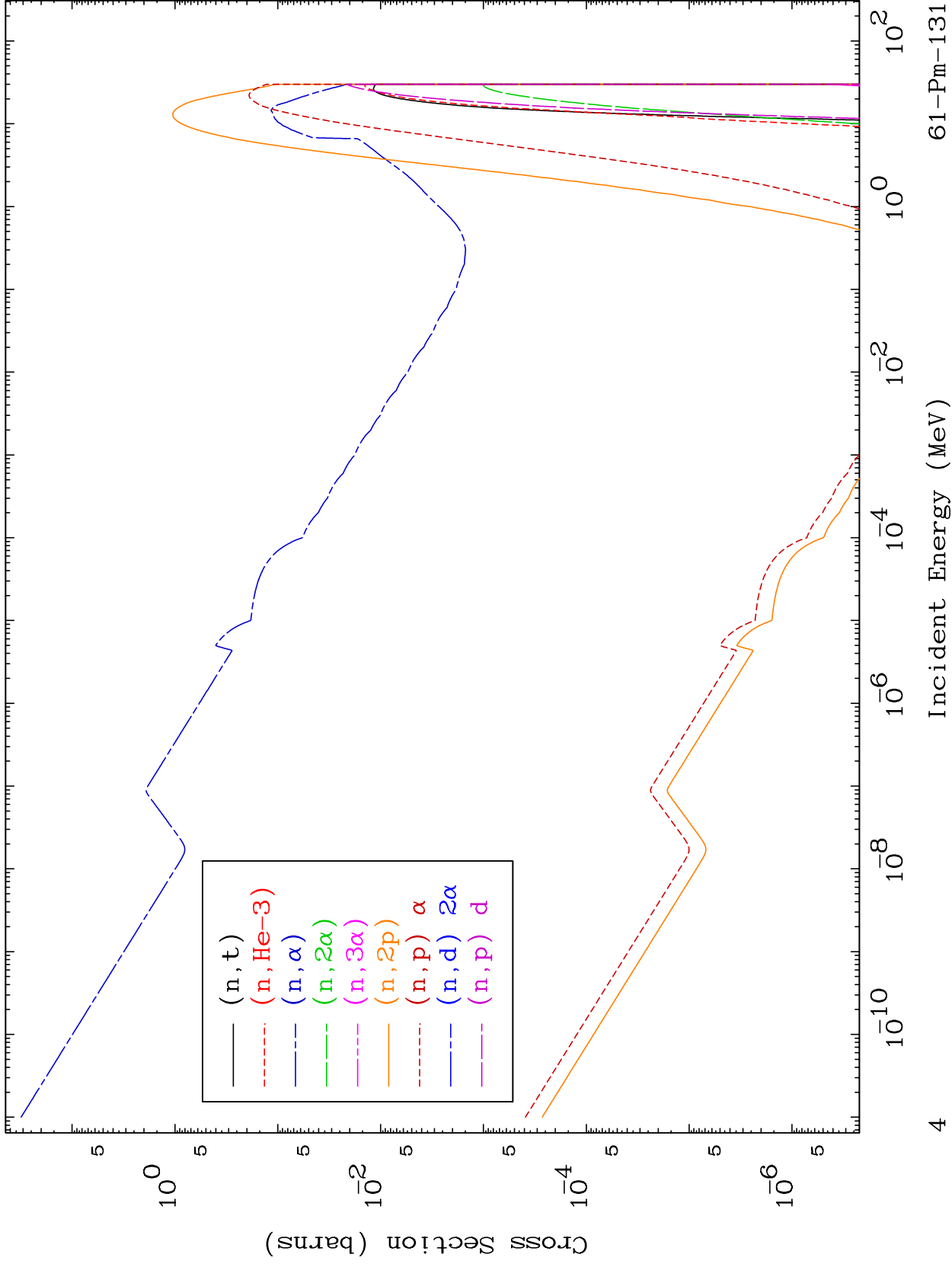
61-Pm-131

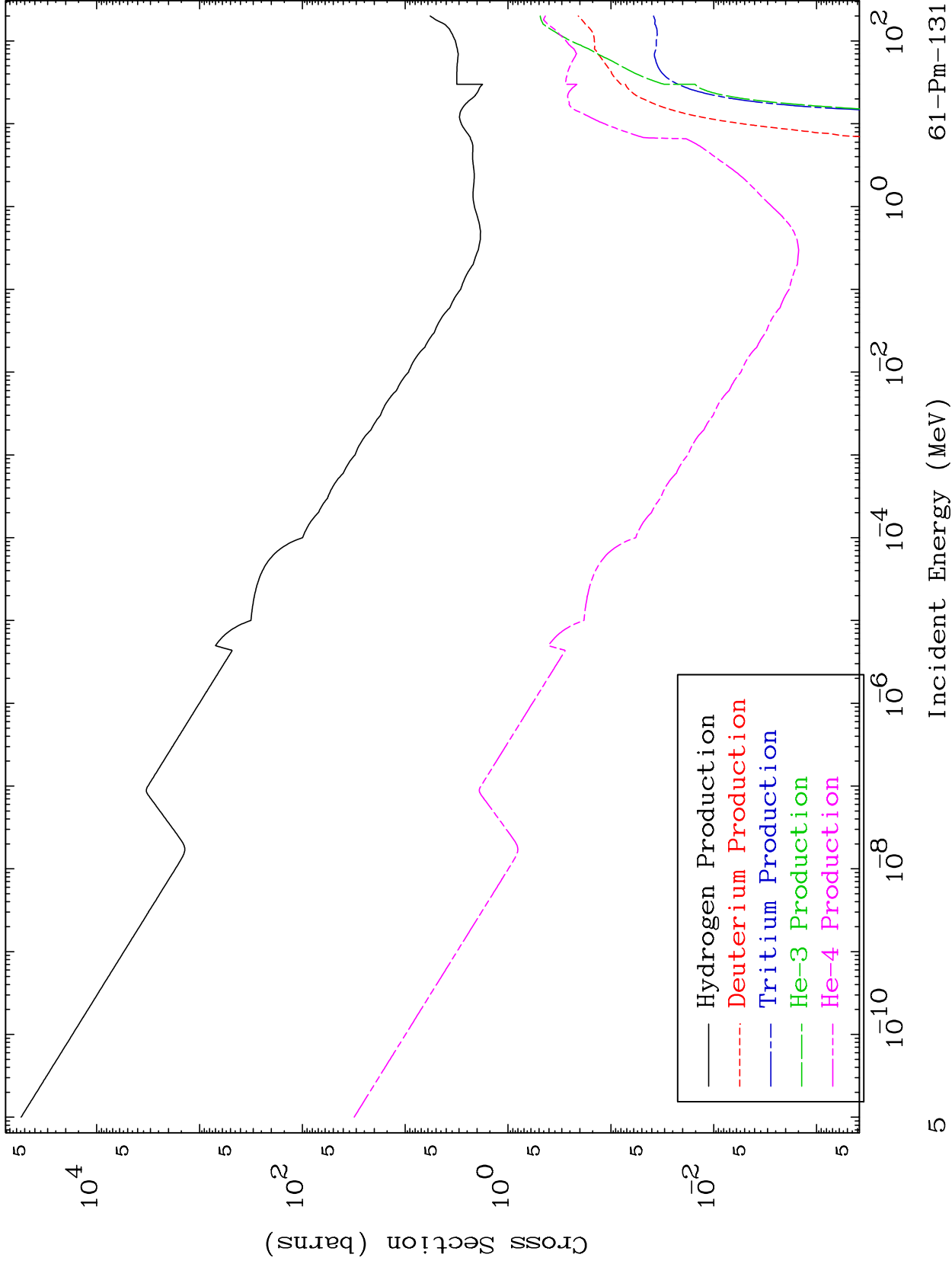


MAT 6101

Charged Particle
293 Kelvin Cross Sections

61-Pm-131



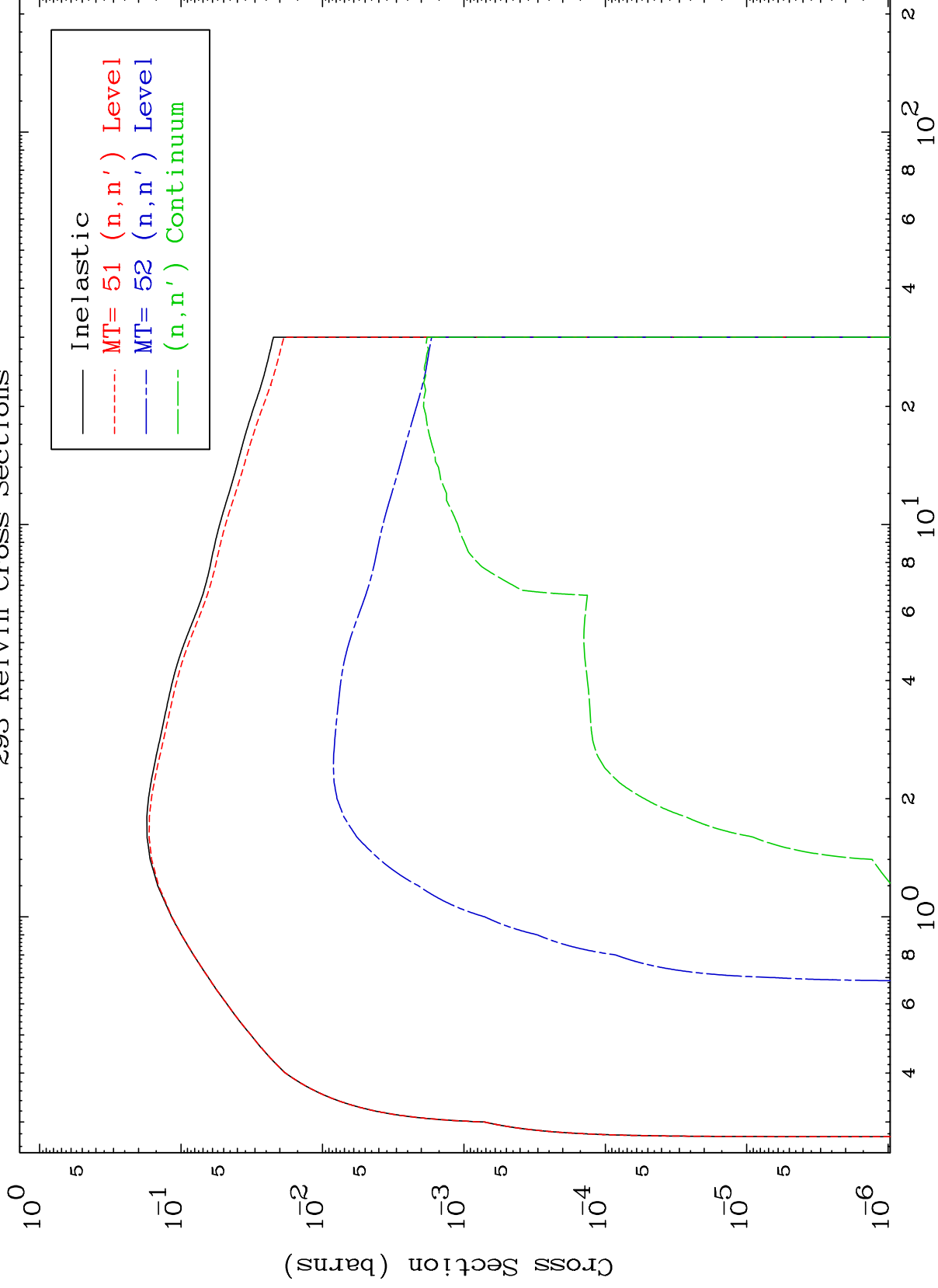


MAT 6101

(n,n') Level

61-Pm-131

293 Kelvin Cross Sections



Incident Energy (MeV)

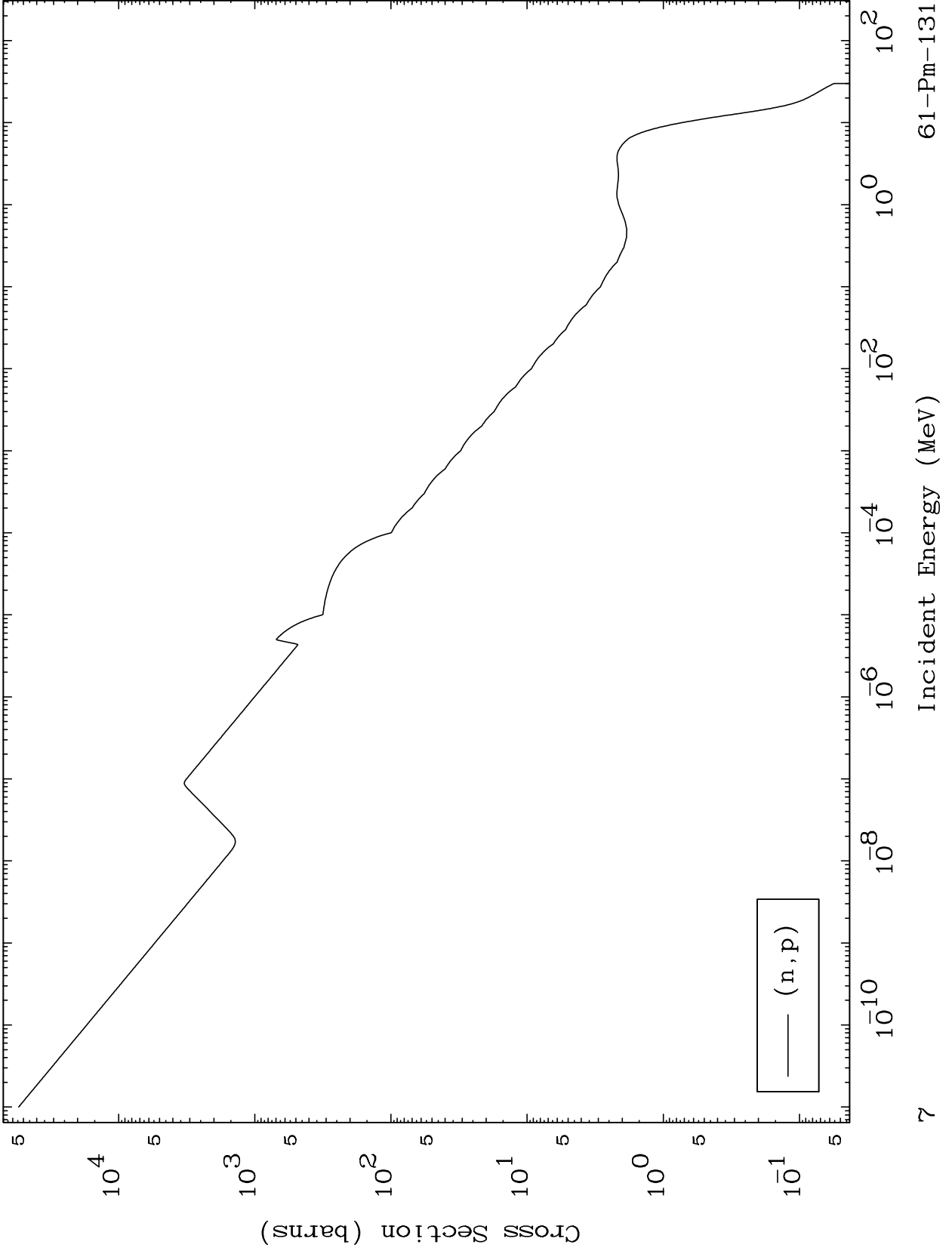
61-Pm-131

6

MAT 6101

(n,p) Levels
293 Kelvin Cross Sections

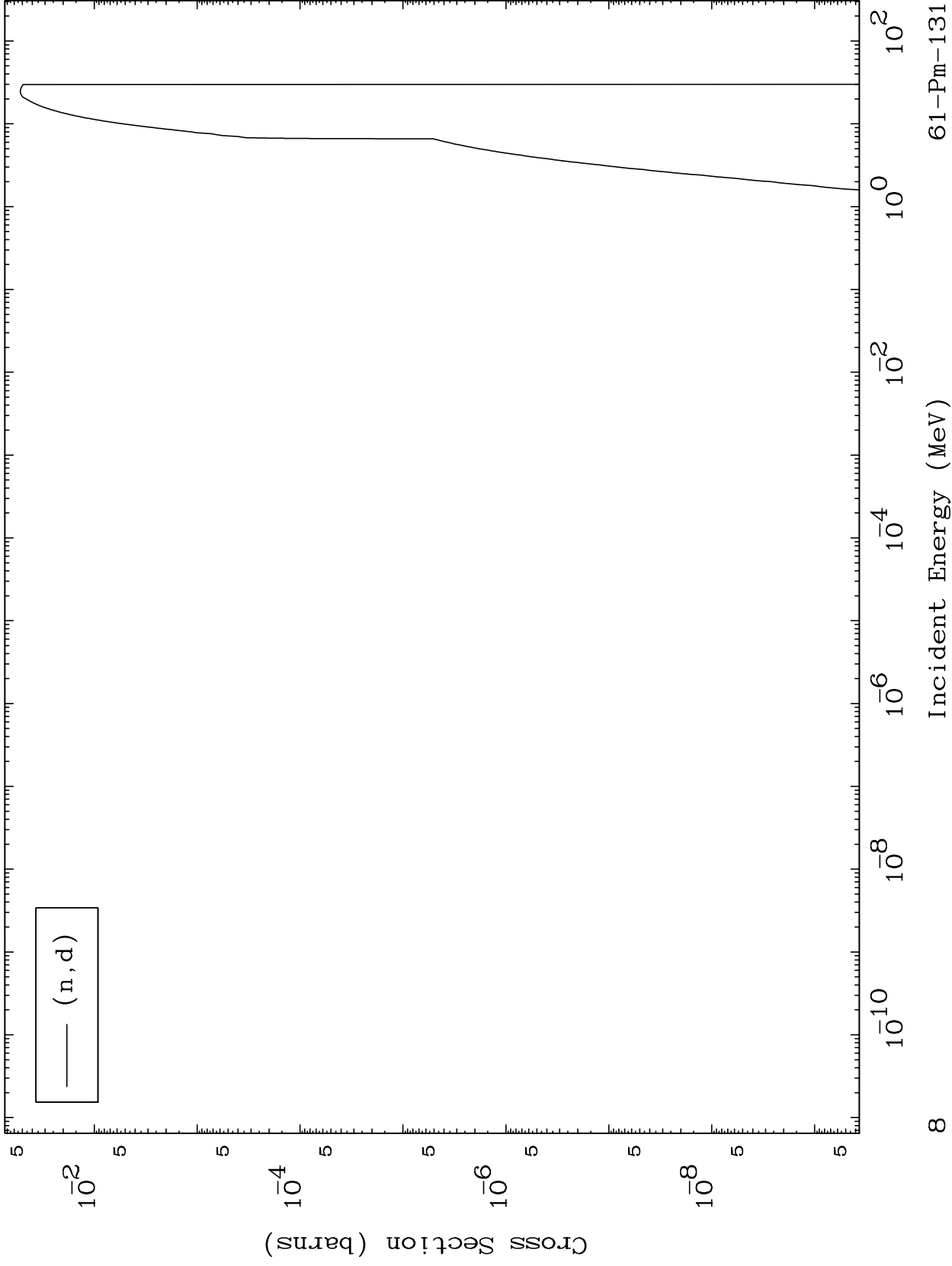
61-Pm-131



MAT 6101

(n,d) Levels
293 Kelvin Cross Sections

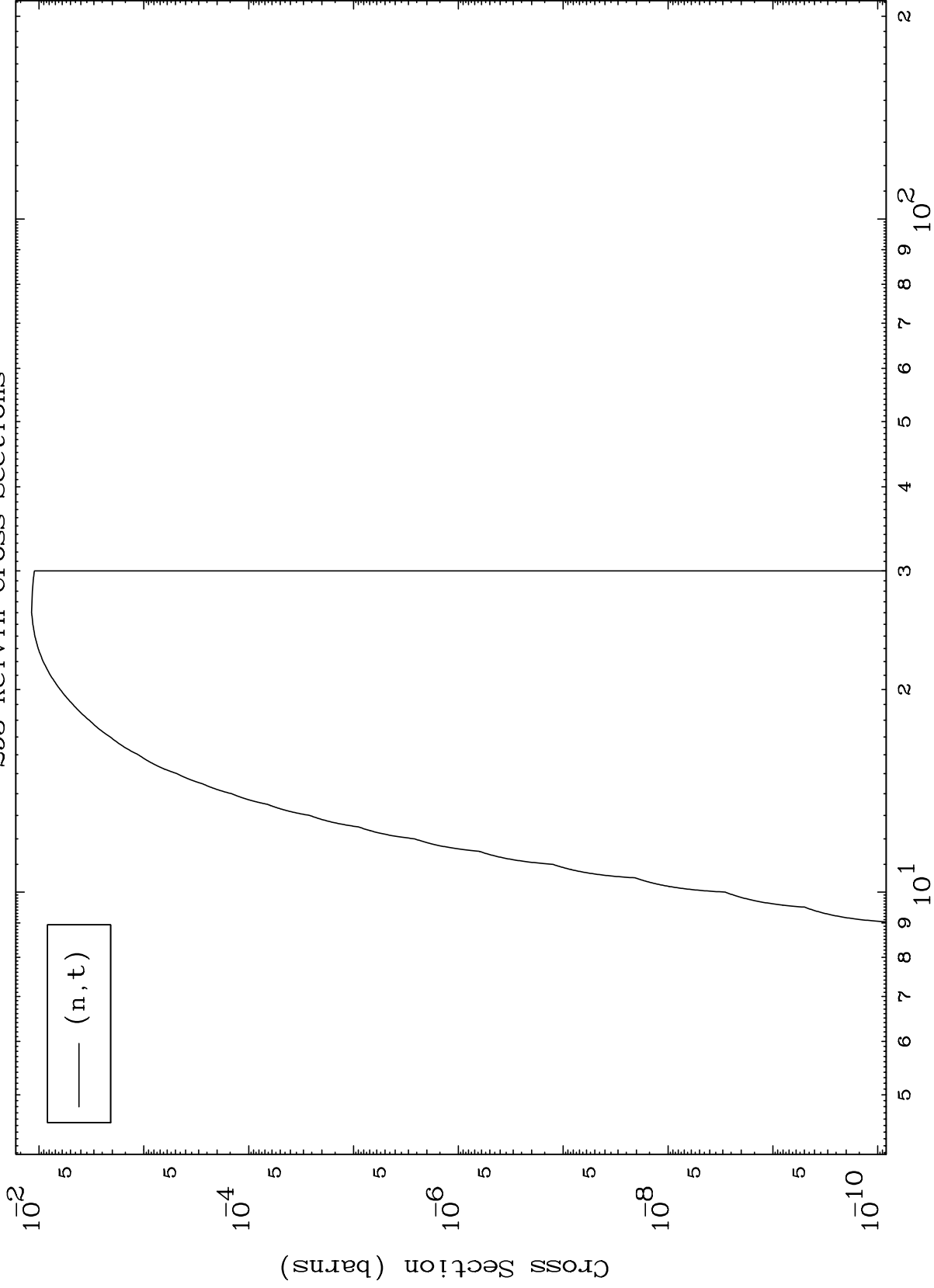
61-Pm-131



MAT 6101

(n,t) Levels
293 Kelvin Cross Sections

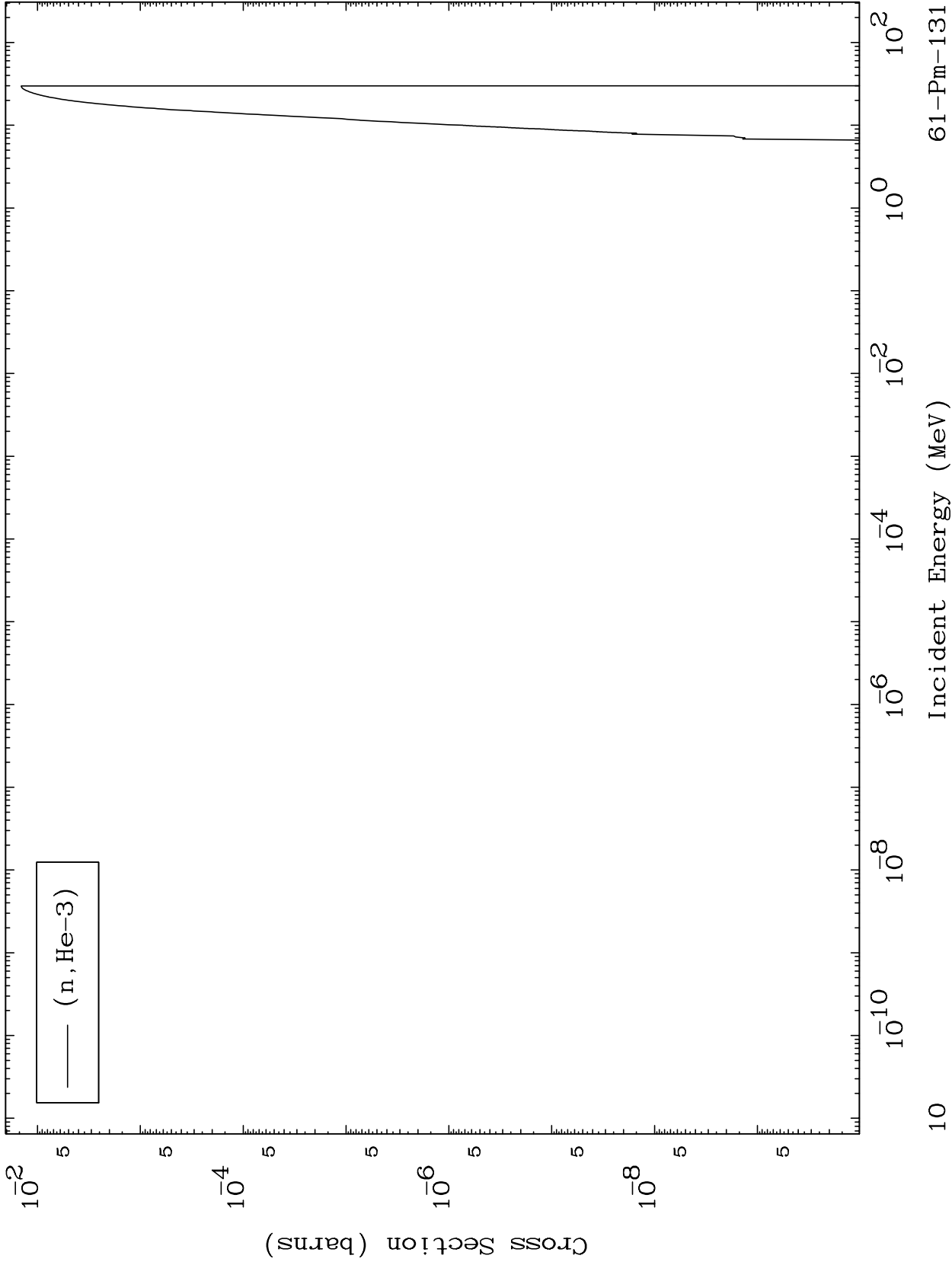
61-Pm-131



MAT 6101

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-131



10

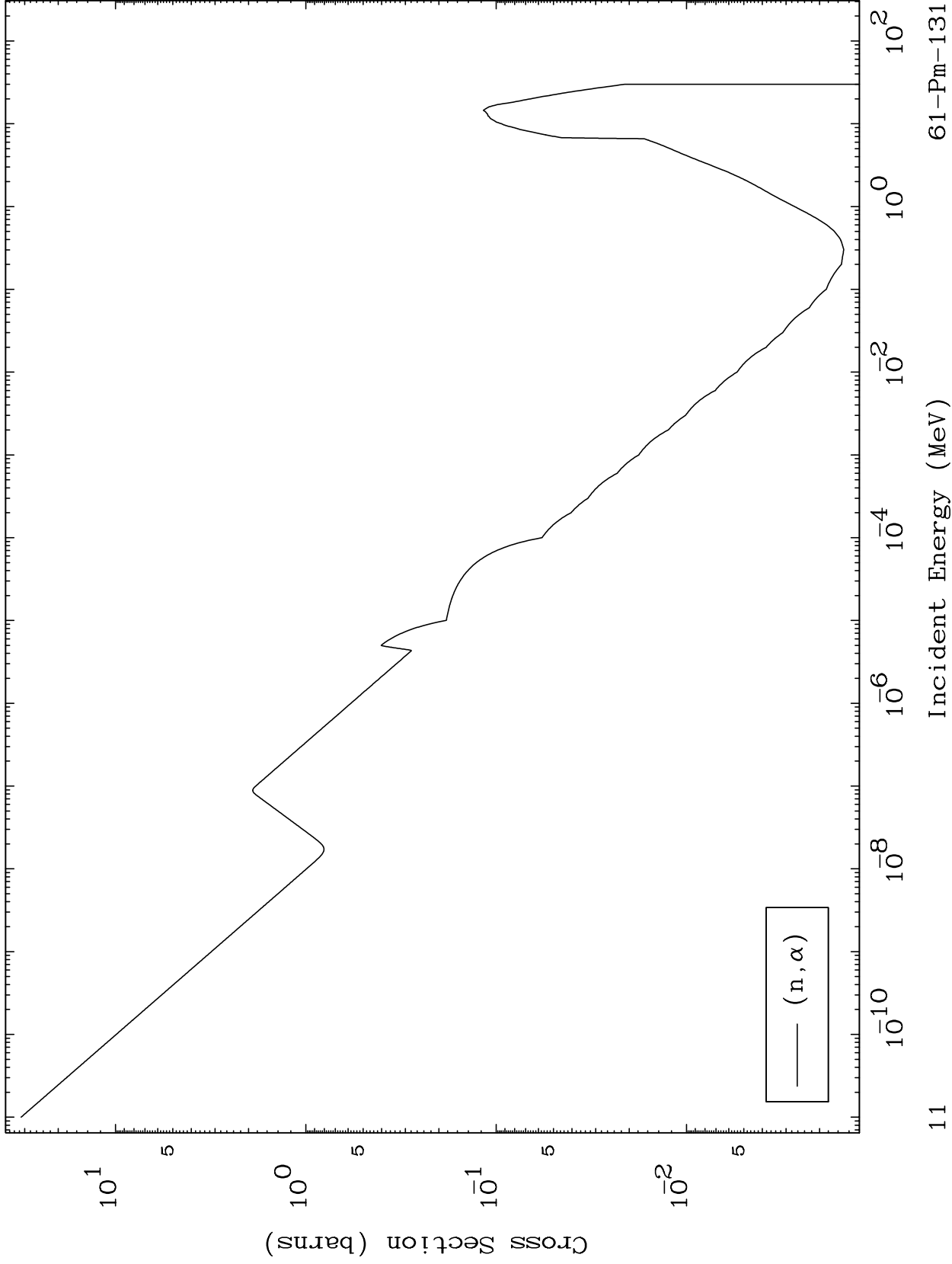
Incident Energy (MeV)

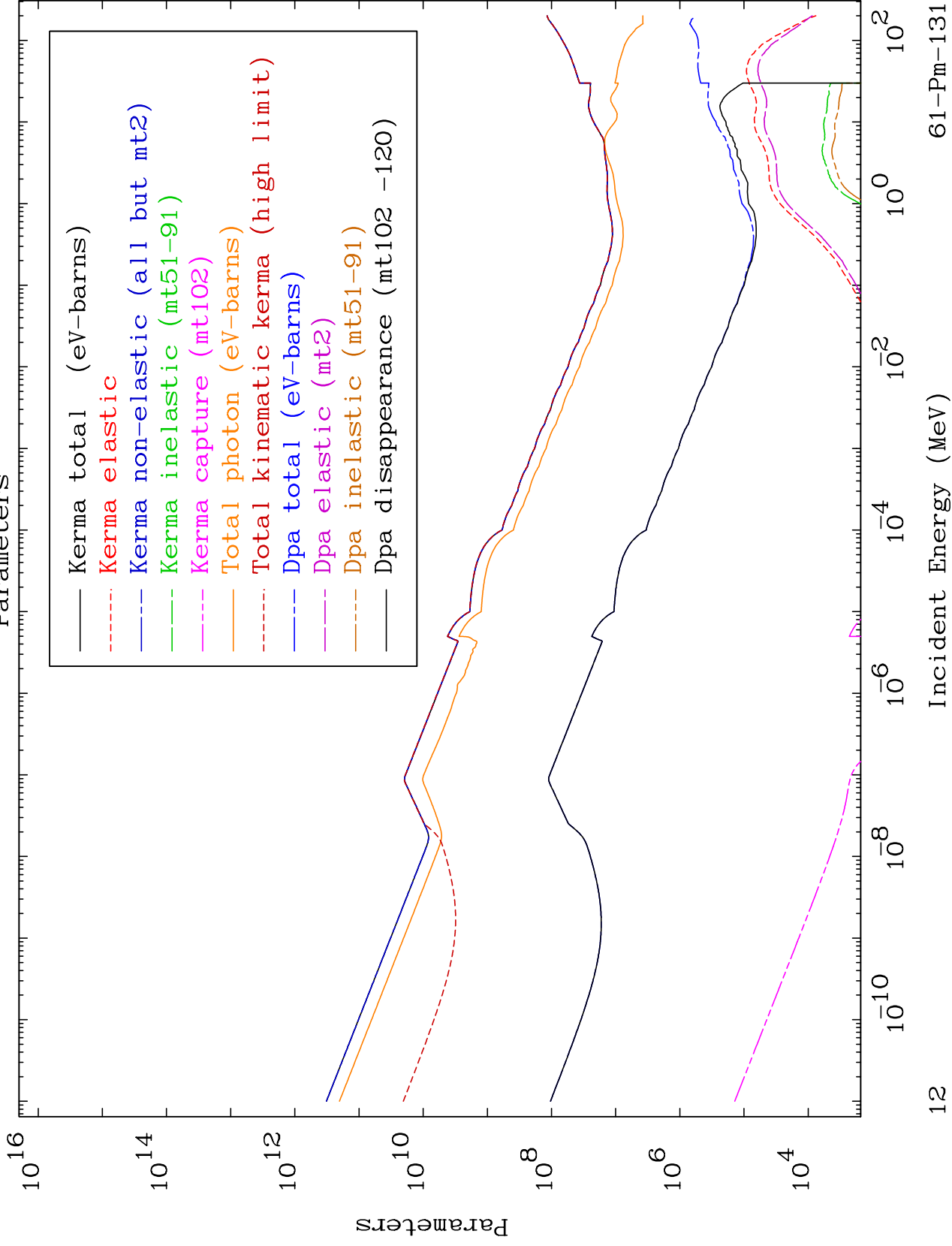
61-Pm-131

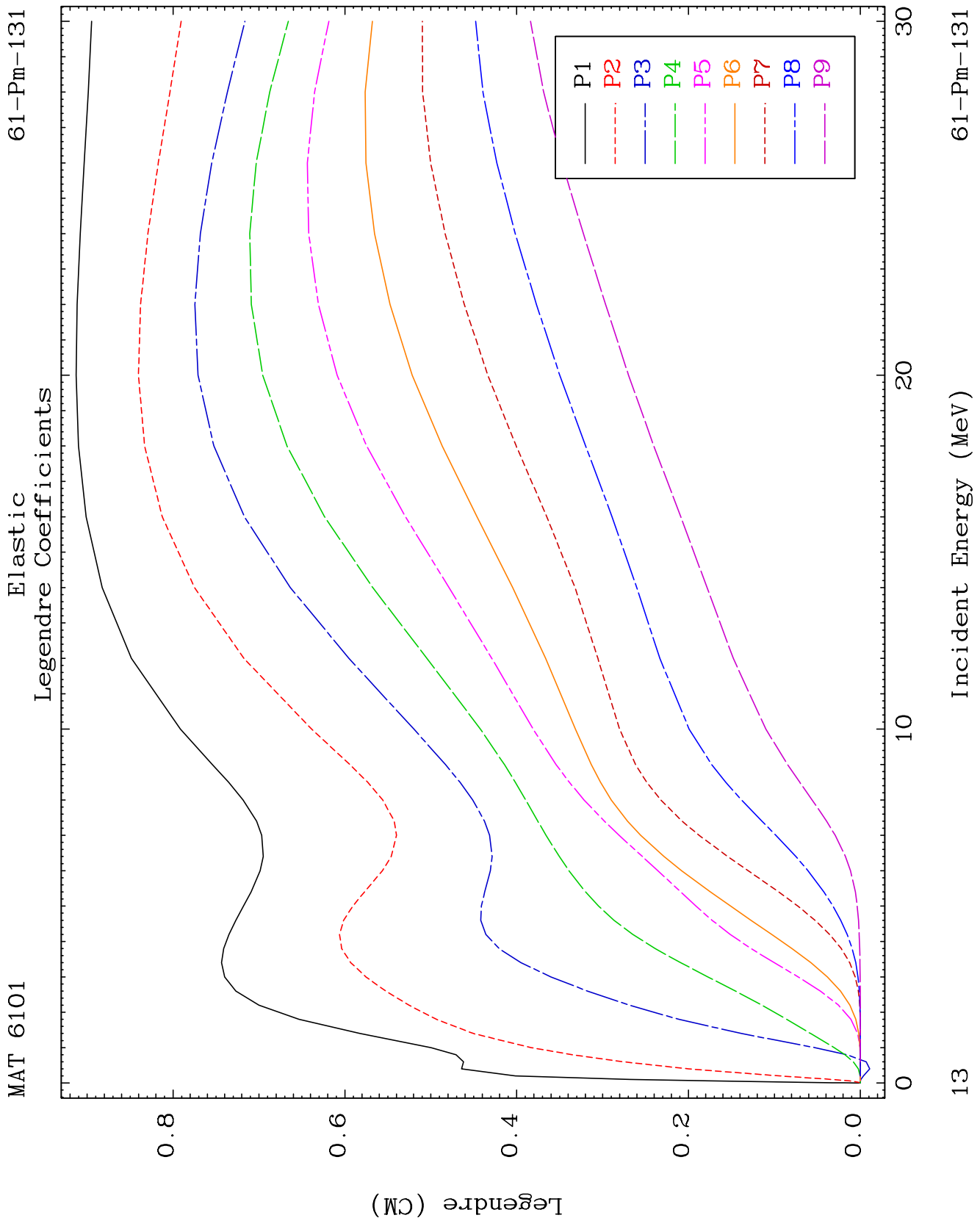
MAT 6101

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-131







MAT 6101

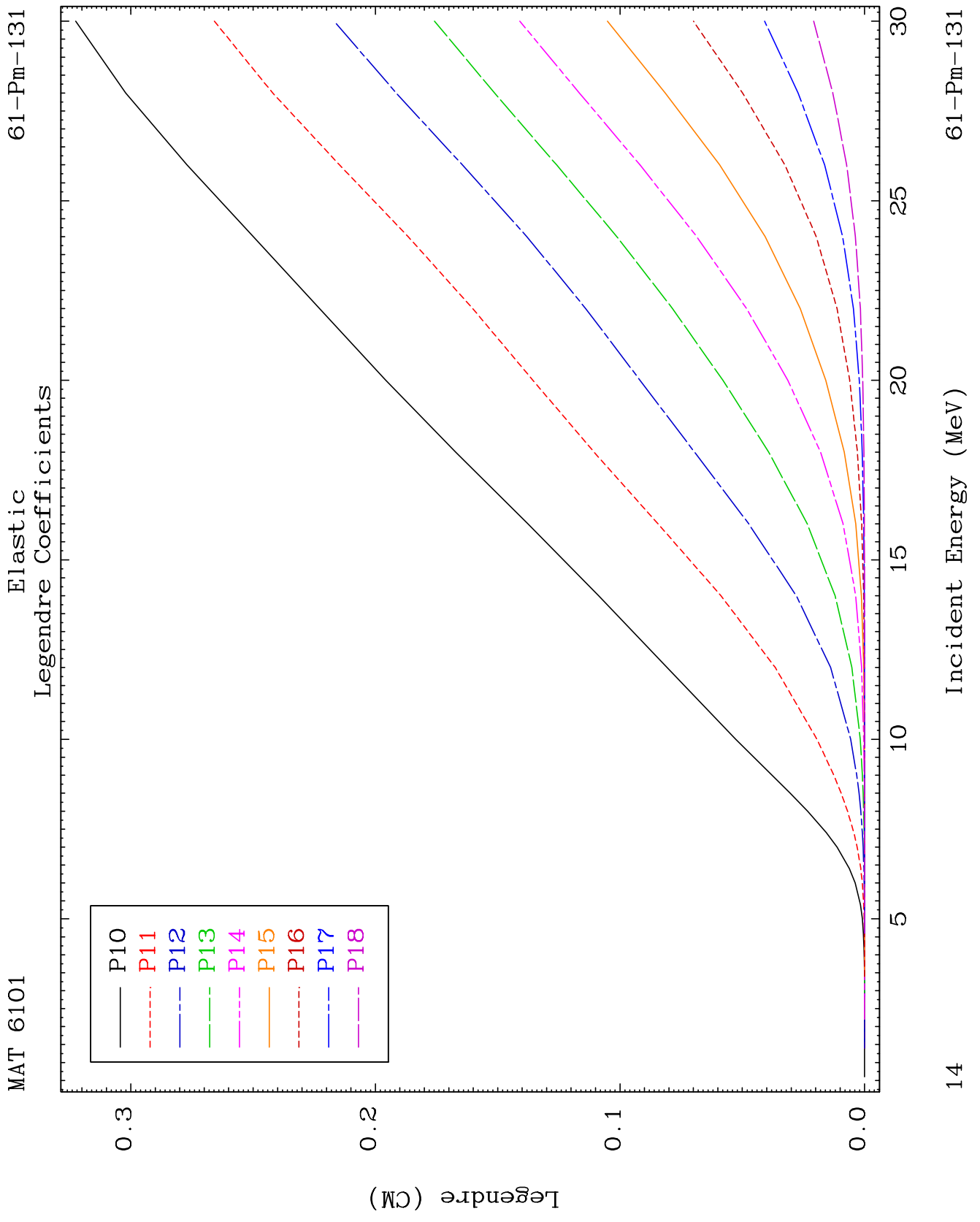
Elastic Legendre Coefficients

61-Pm-131

13

Incident Energy (MeV)

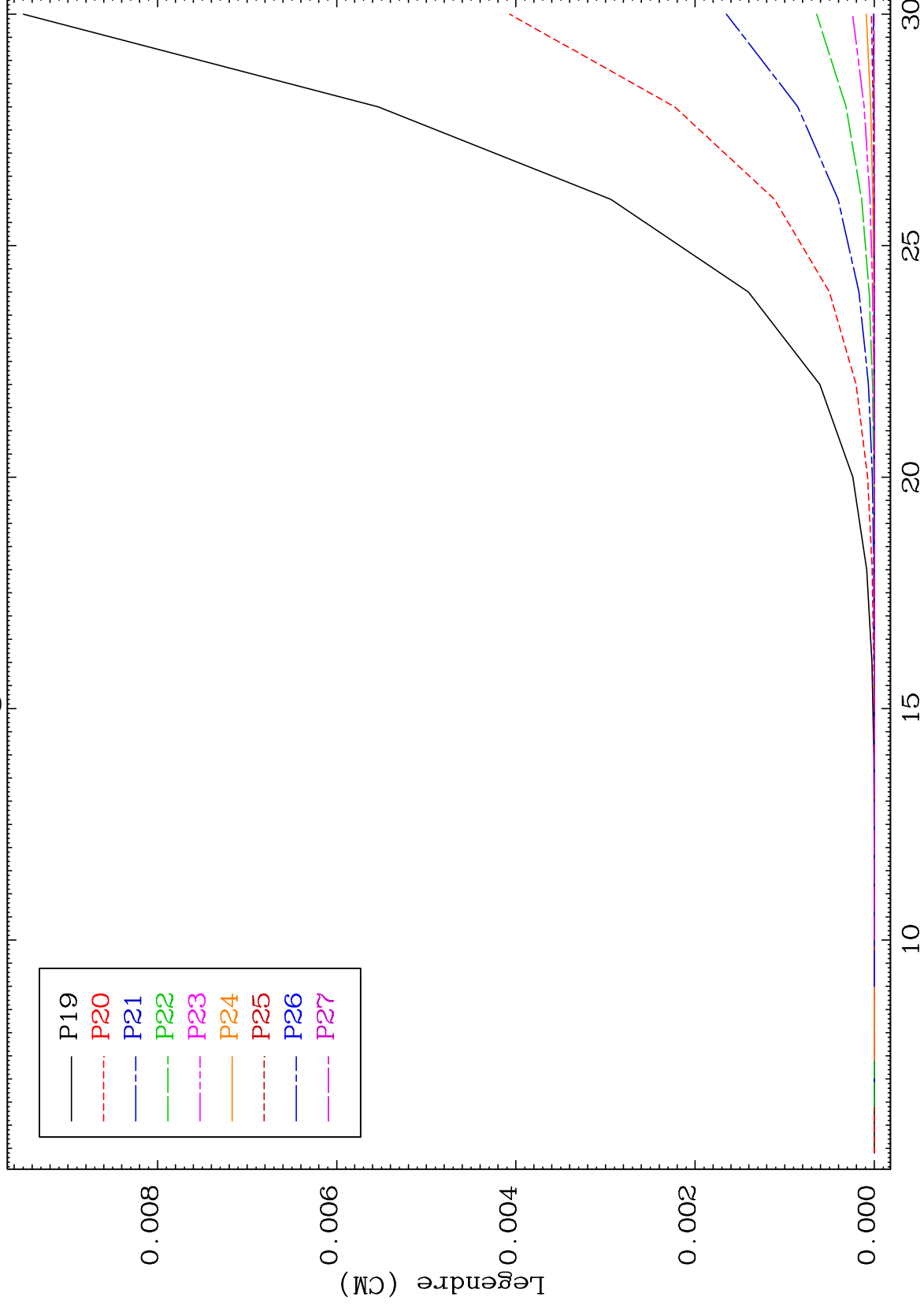
61-Pm-131



MAT 6101

Elastic Legendre Coefficients

61-Pm-131



15

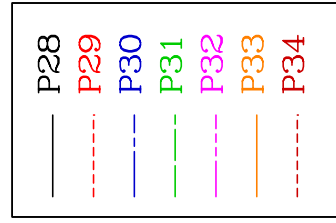
Incident Energy (MeV)

61-Pm-131

MAT 6101

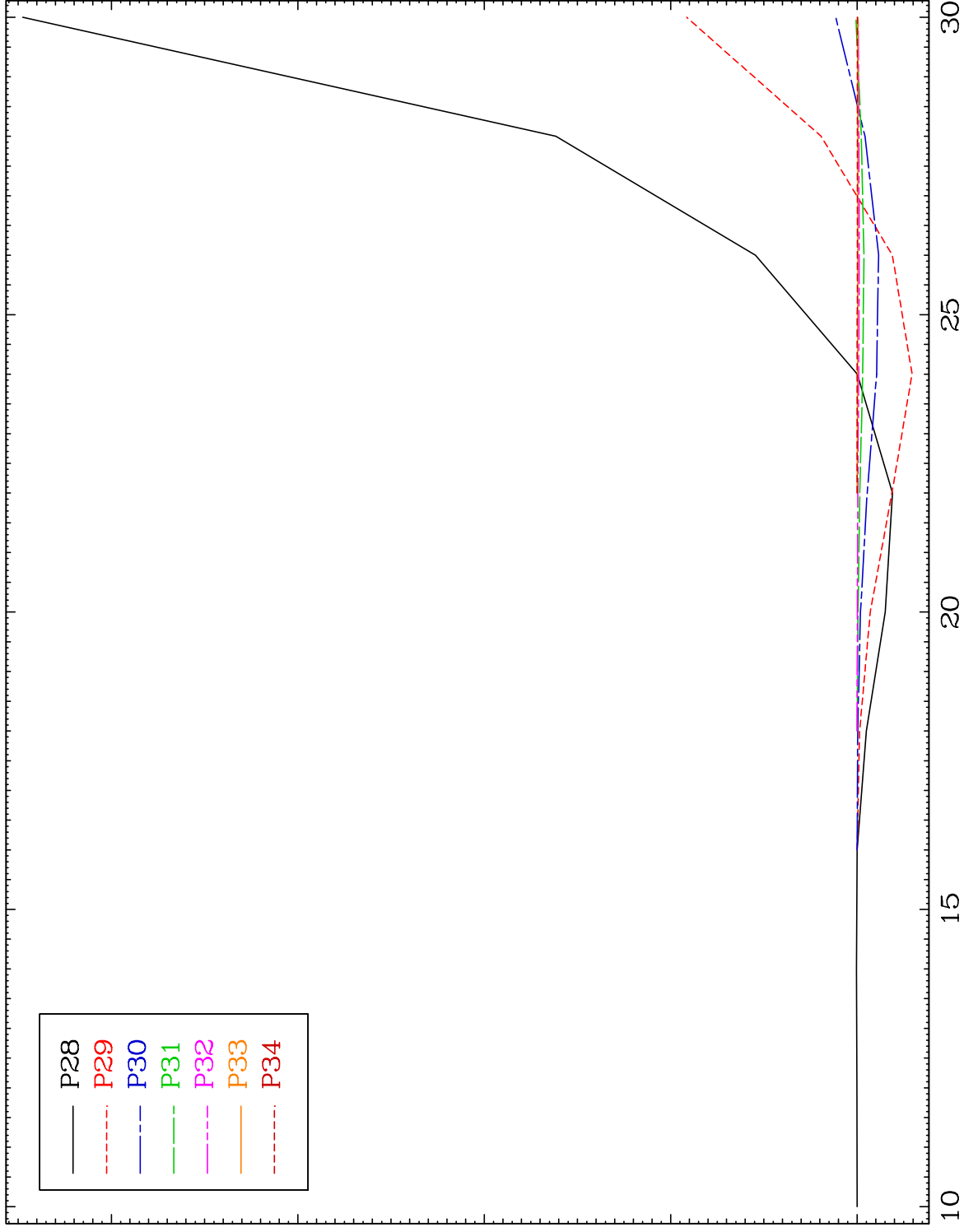
Elastic
Legendre Coefficients

61-Pm-131



$\times 10^{-7}$

Legendre (CM)



10

15

20

25

30

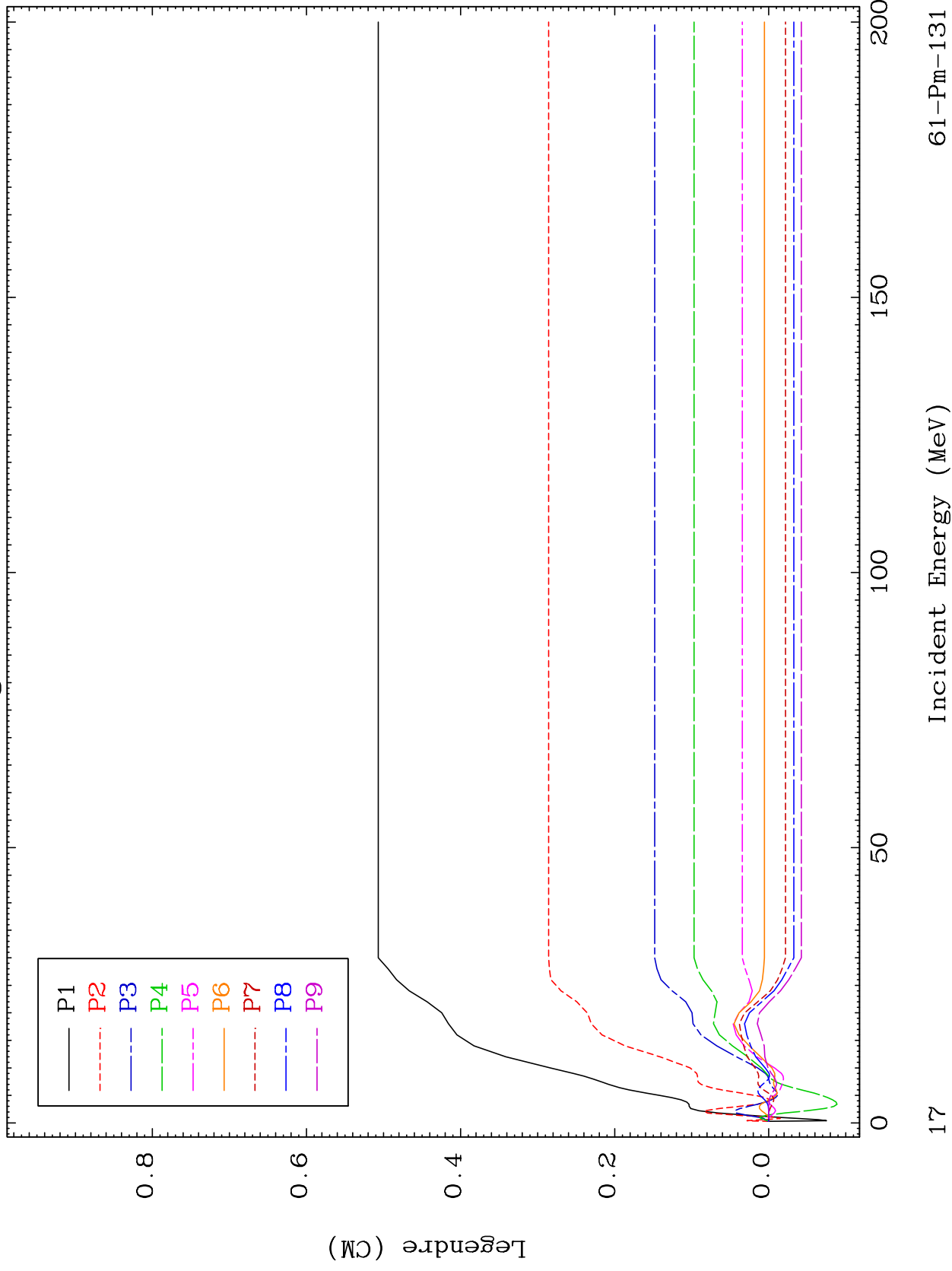
Incident Energy (MeV)

61-Pm-131

MAT 6101

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

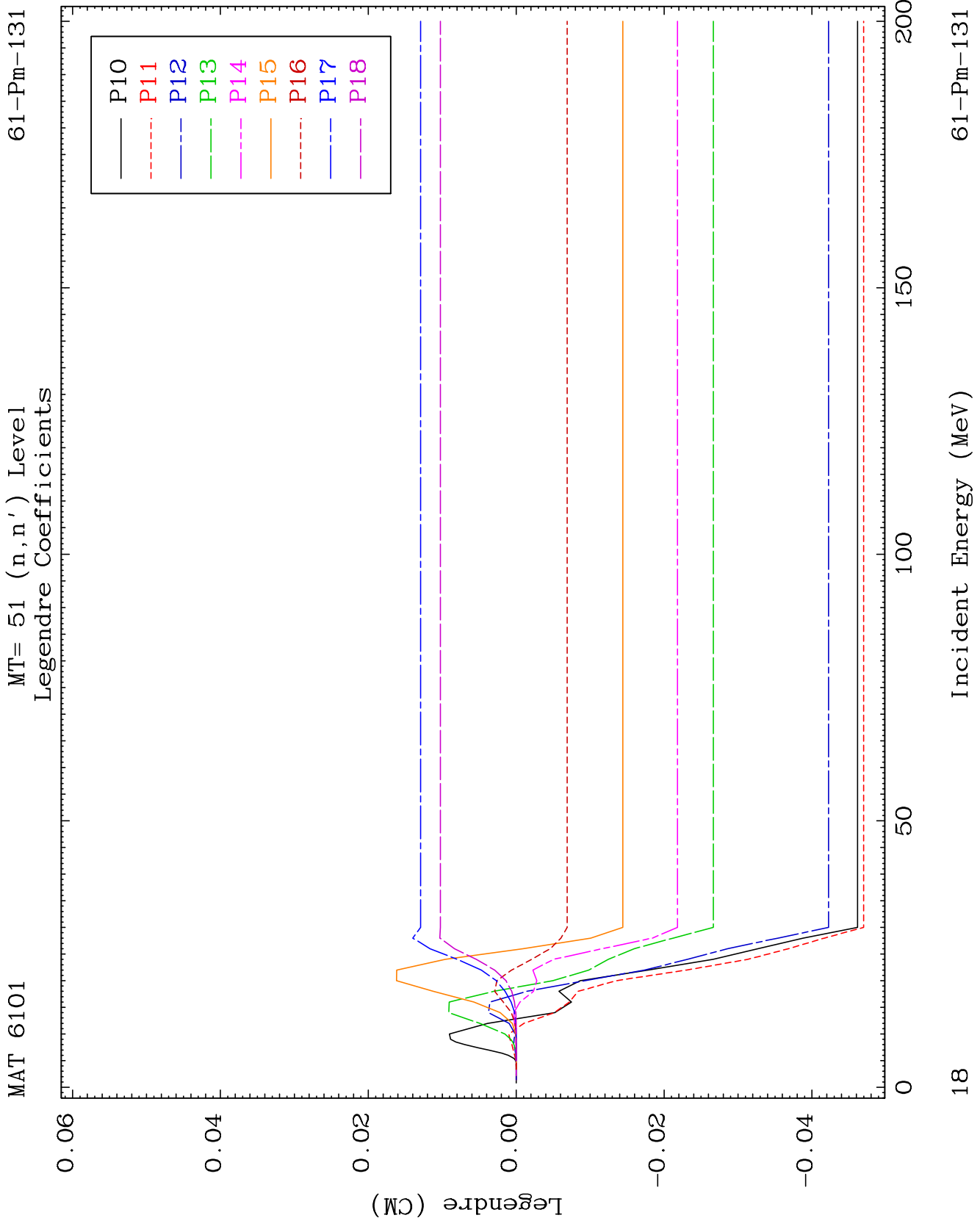
61-Pm-131



17

Incident Energy (MeV)

61-Pm-131



61-Pm-131

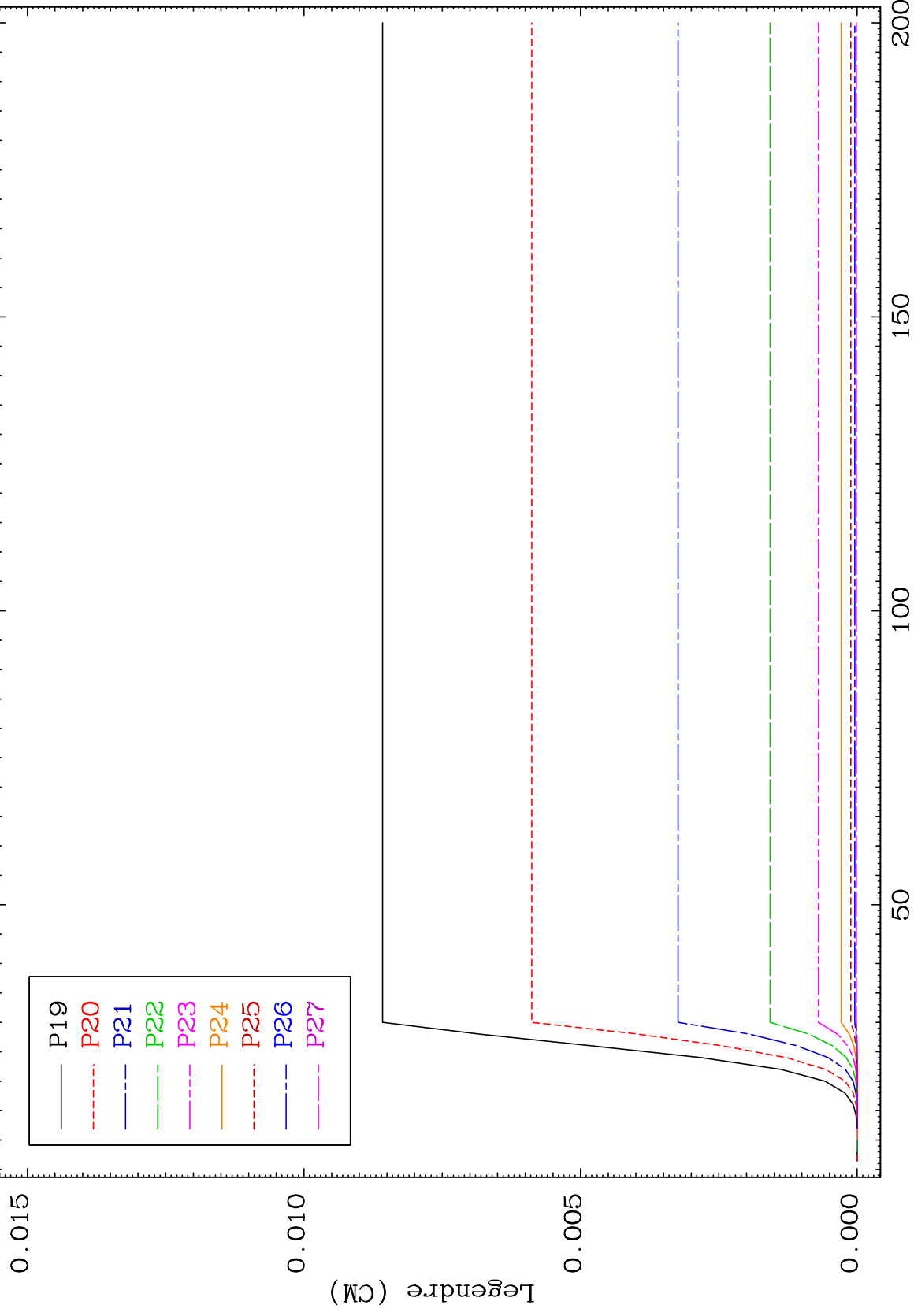
Incident Energy (MeV)

18

MAT 6101

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

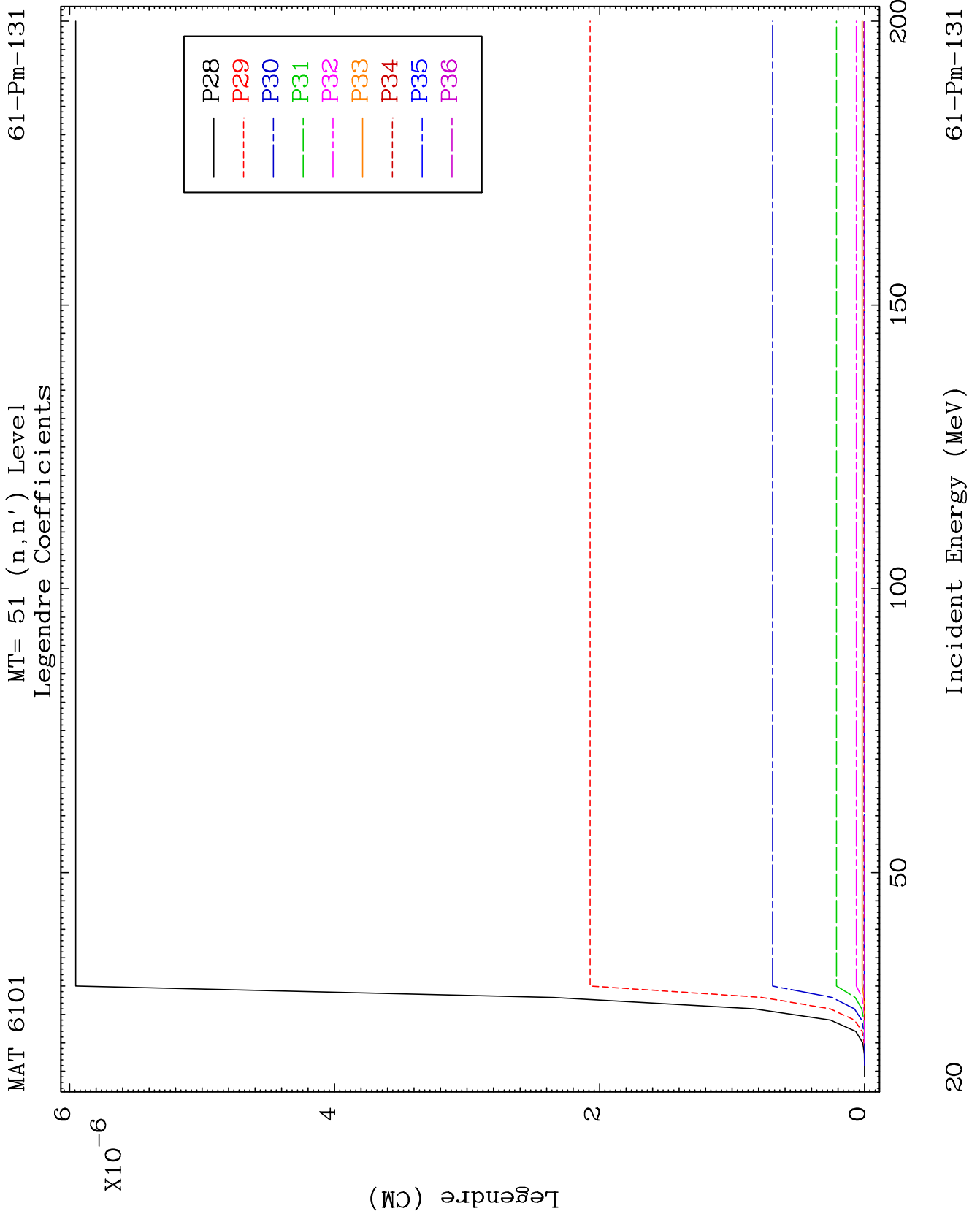
61-Pm-131



19

Incident Energy (MeV)

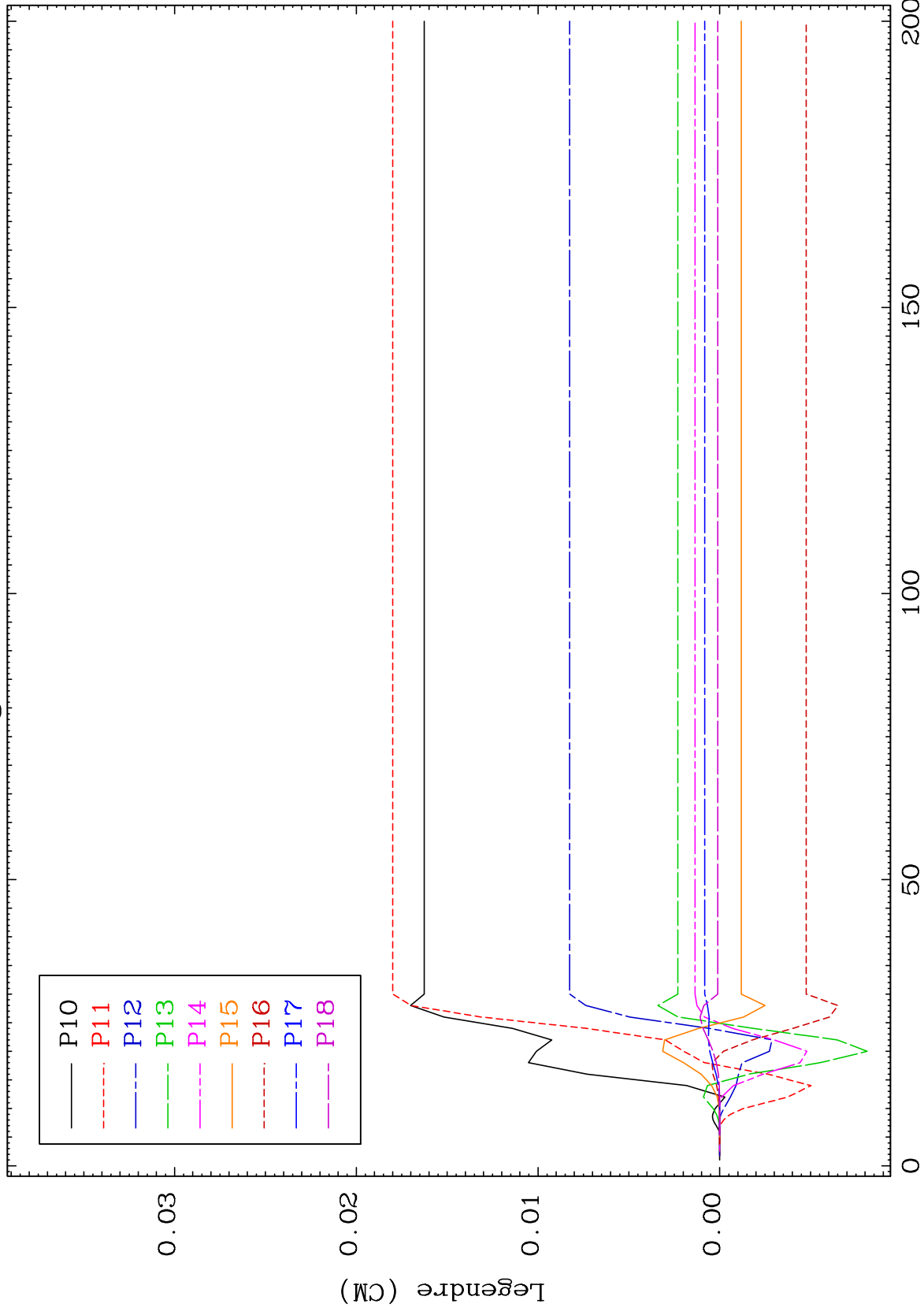
61-Pm-131



MAT 6101

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

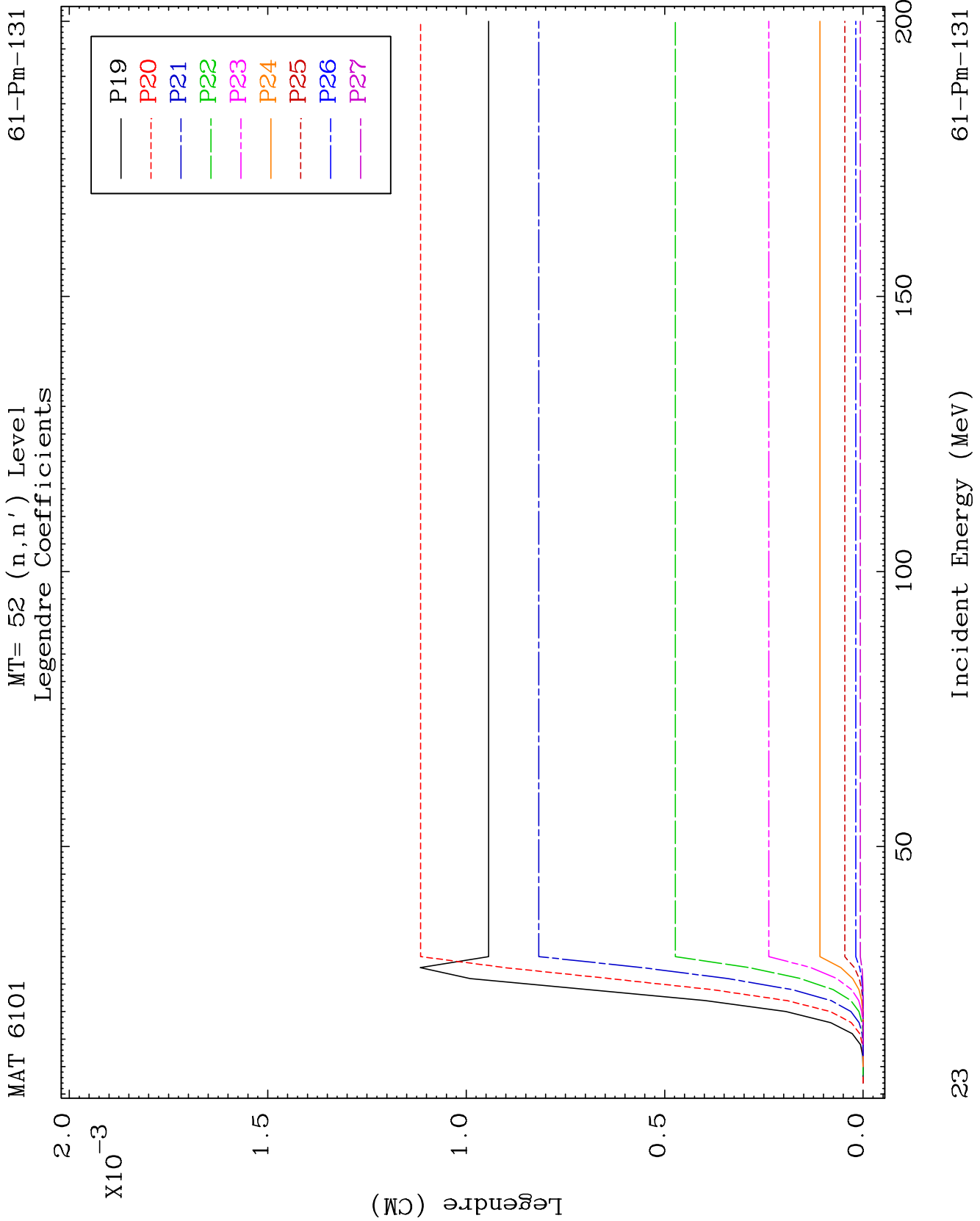
61-Pm-131



22

Incident Energy (MeV)

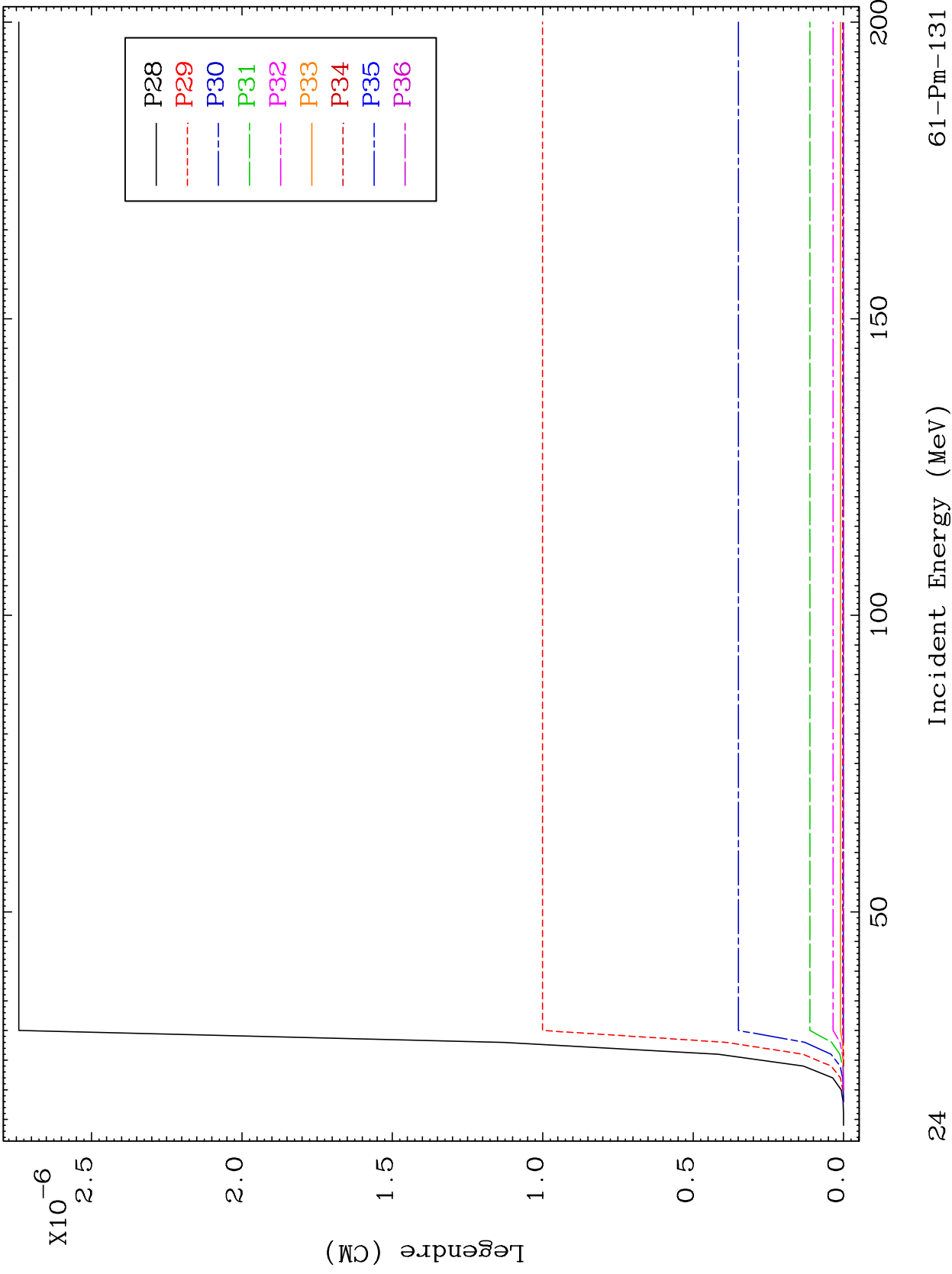
61-Pm-131



MAT 6101

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

61-Pm-131



24

Incident Energy (MeV)

61-Pm-131

200

150

100

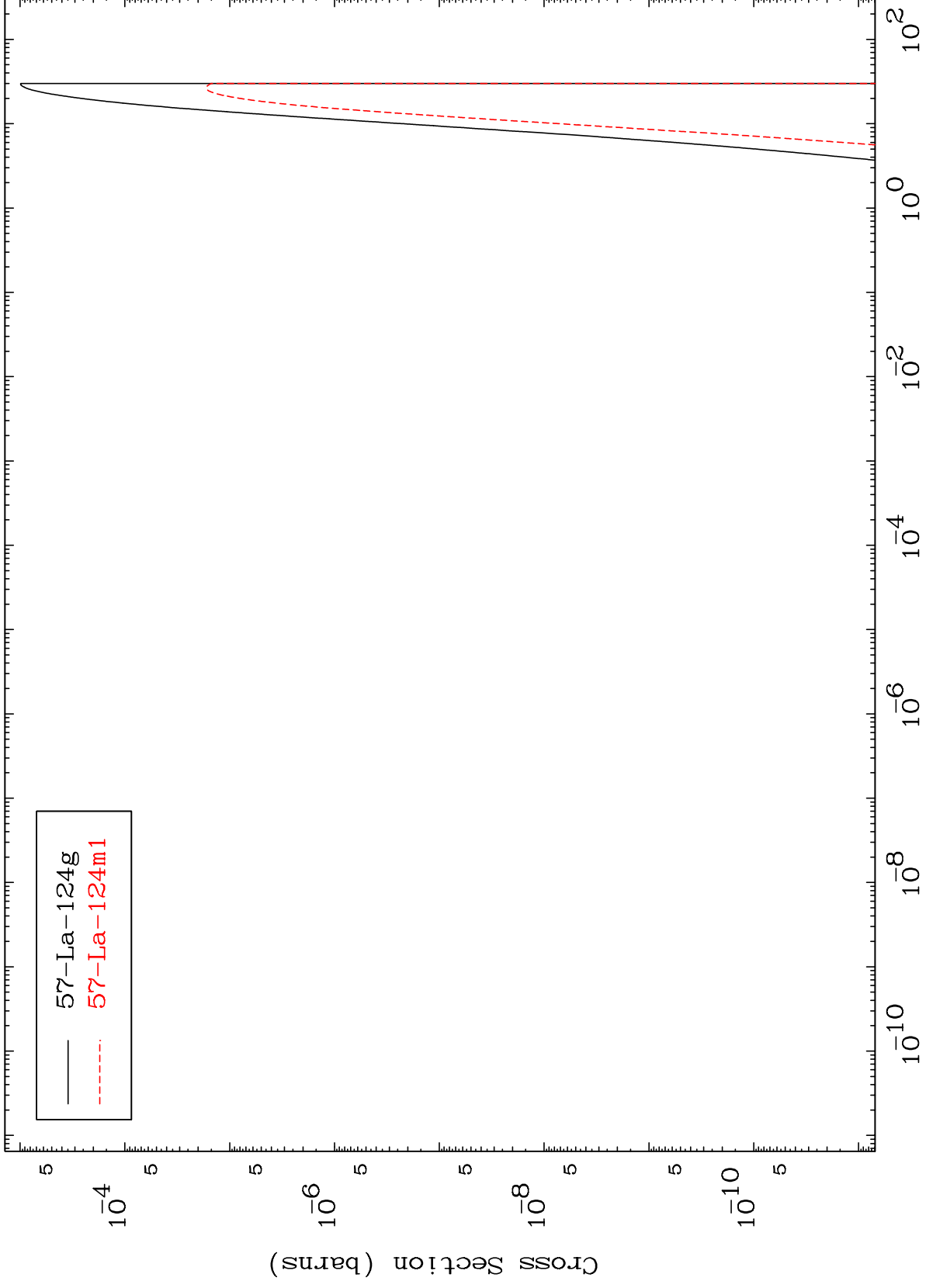
50

MAT 6101

(n,2 α)

61-Pm-131

Radionuclide Production Cross Section



25

Incident Energy (MeV)

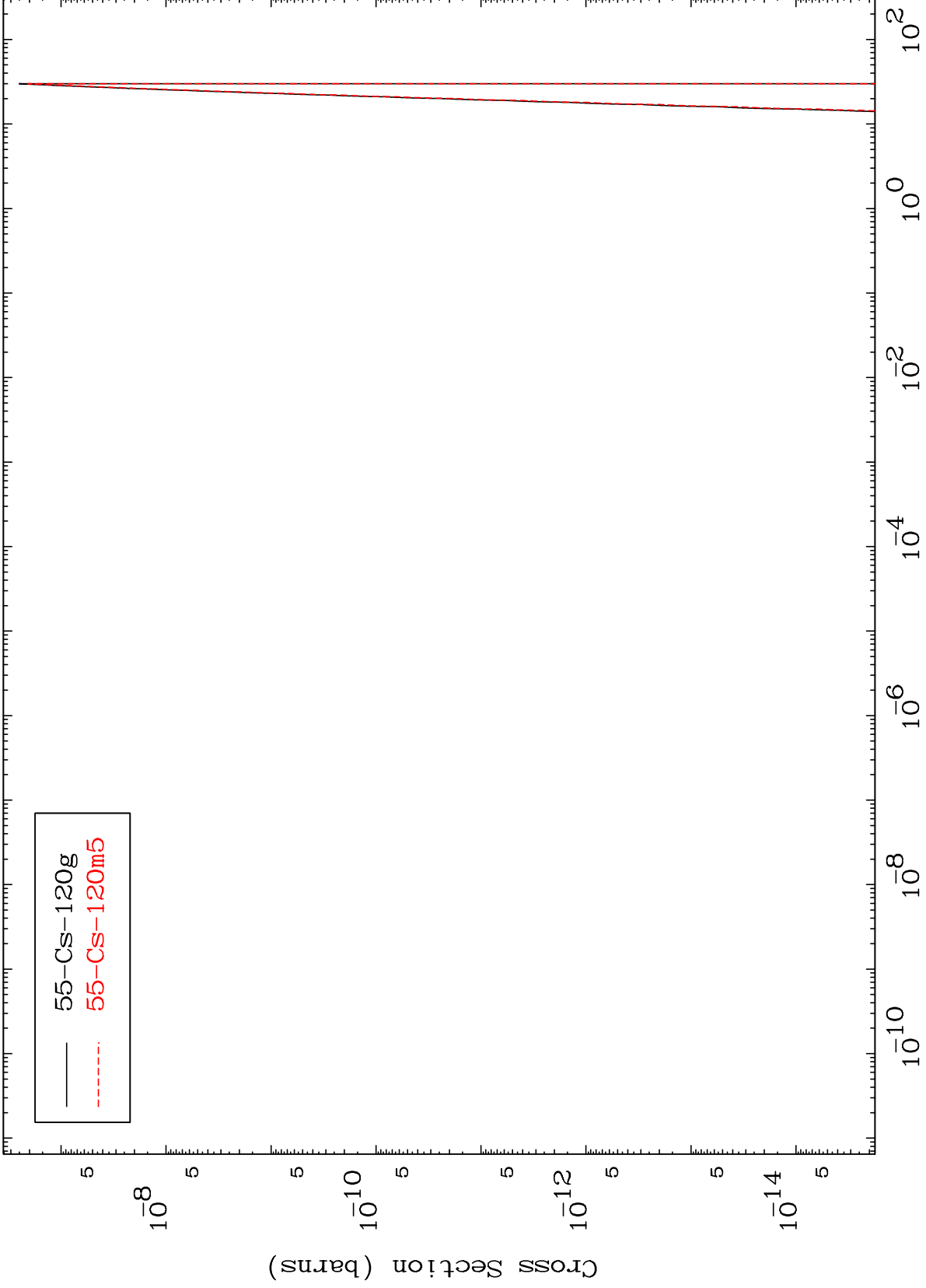
61-Pm-131

MAT 6101

(n, 3α)

61-Pm-131

Radionuclide Production Cross Section



26

Incident Energy (MeV)

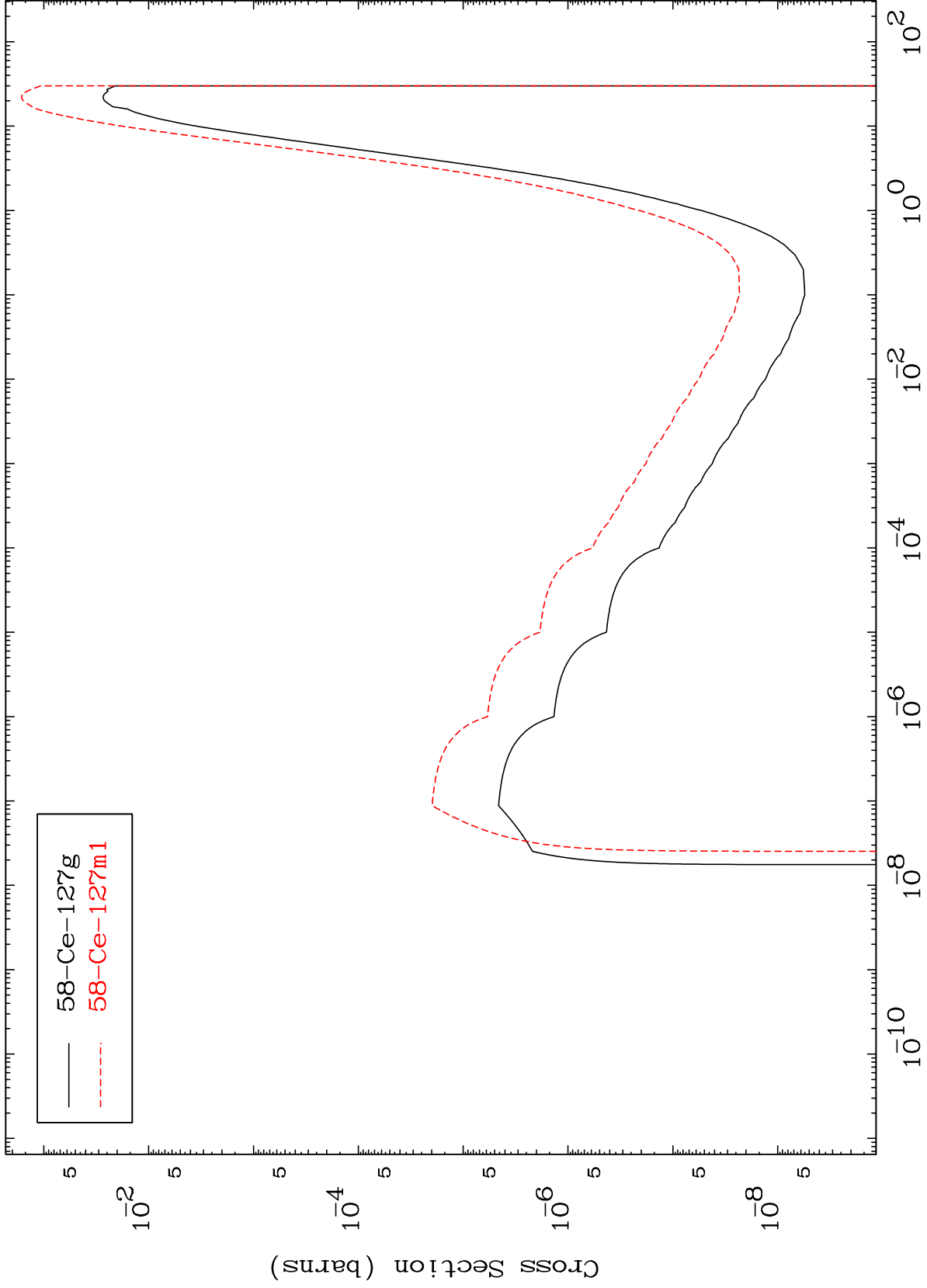
61-Pm-131

MAT 6101

(n,p) α

61-Pm-131

Radionuclide Production Cross Section



27

Incident Energy (MeV)

61-Pm-131