

Program EVALPLOT
(Version 2015-2)

by

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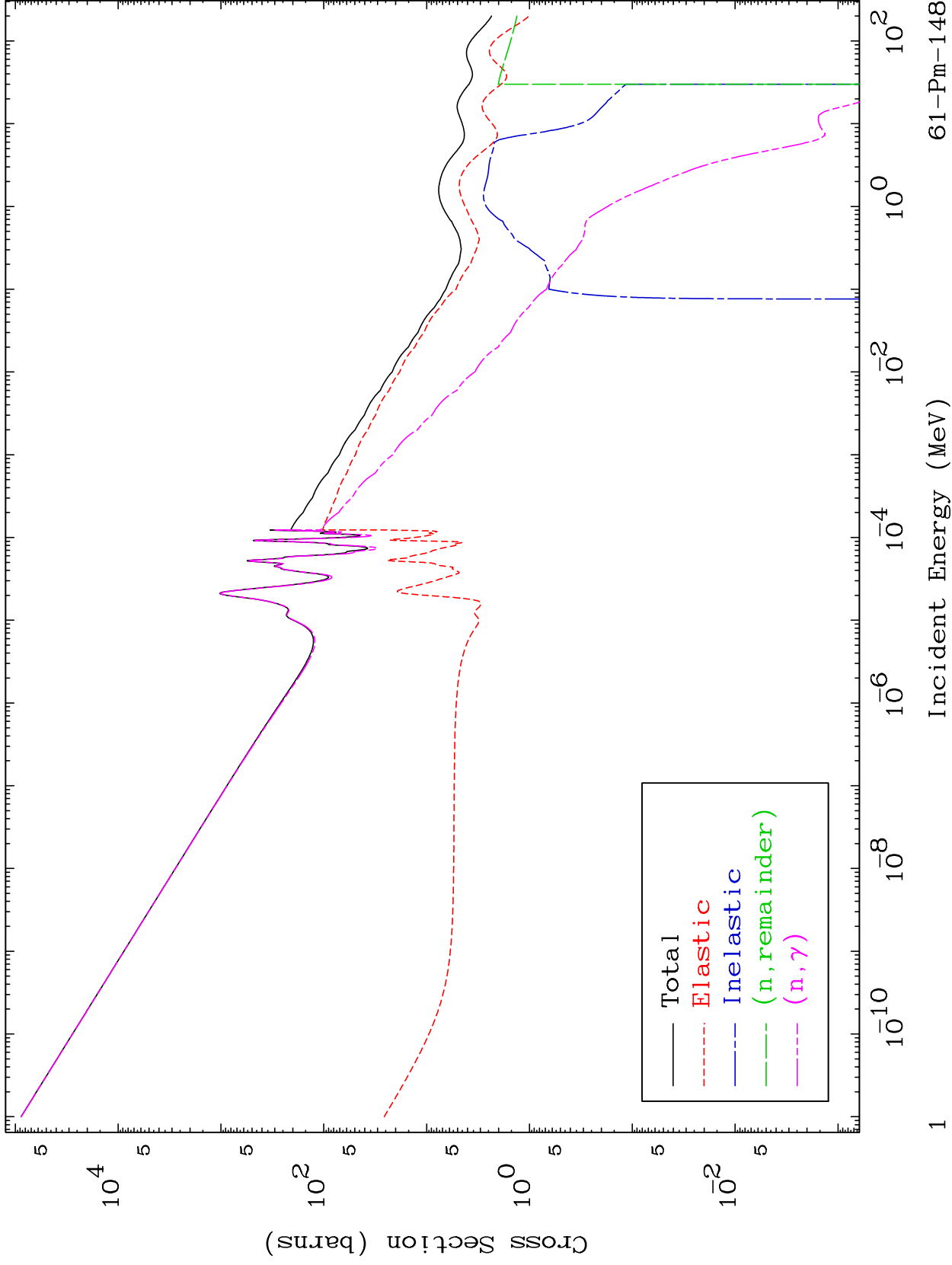
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6152

Major
293 Kelvin Cross Sections

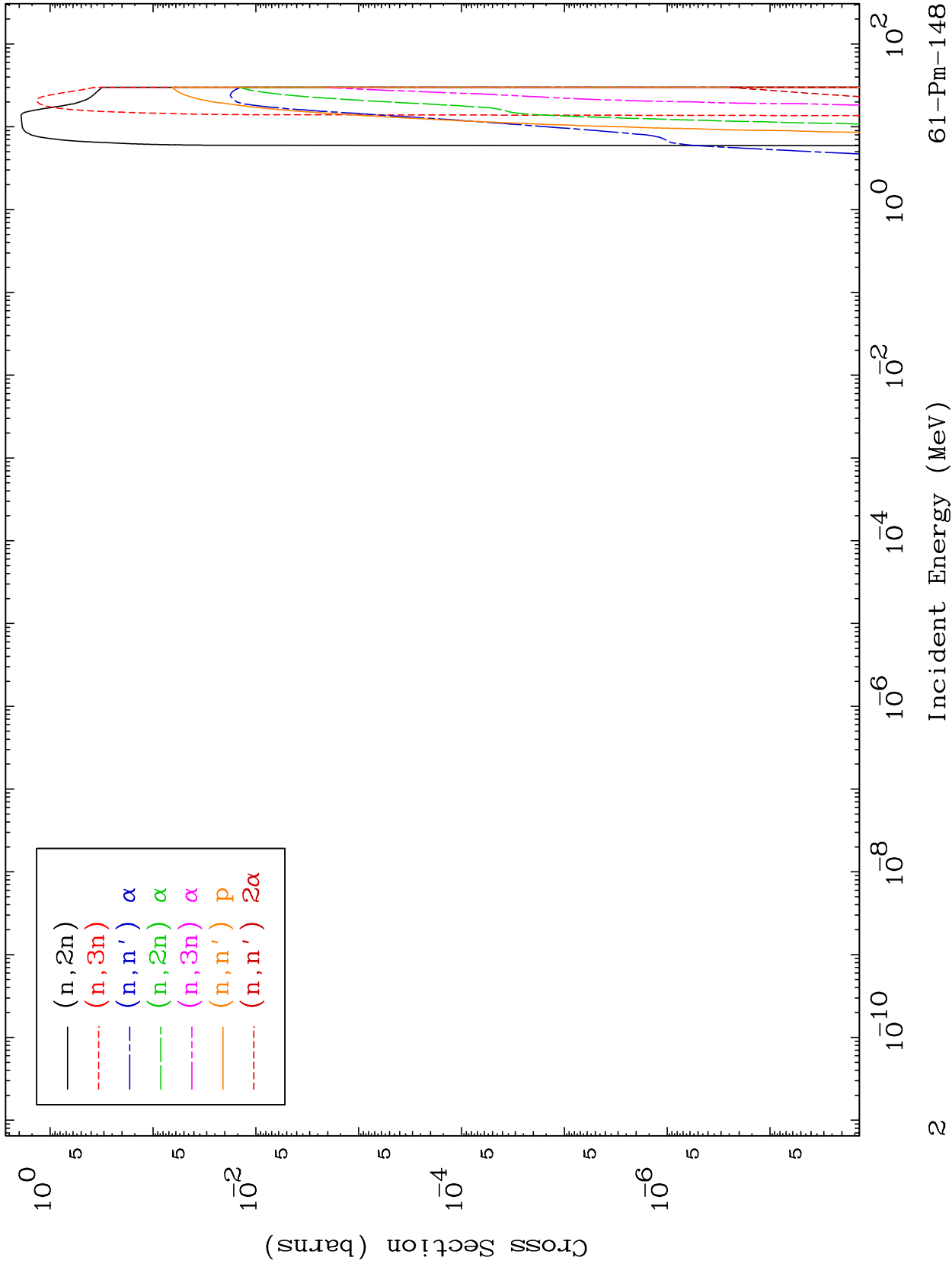
61-Pm-148



MAT 6152

Neutron Production
293 Kelvin Cross Sections

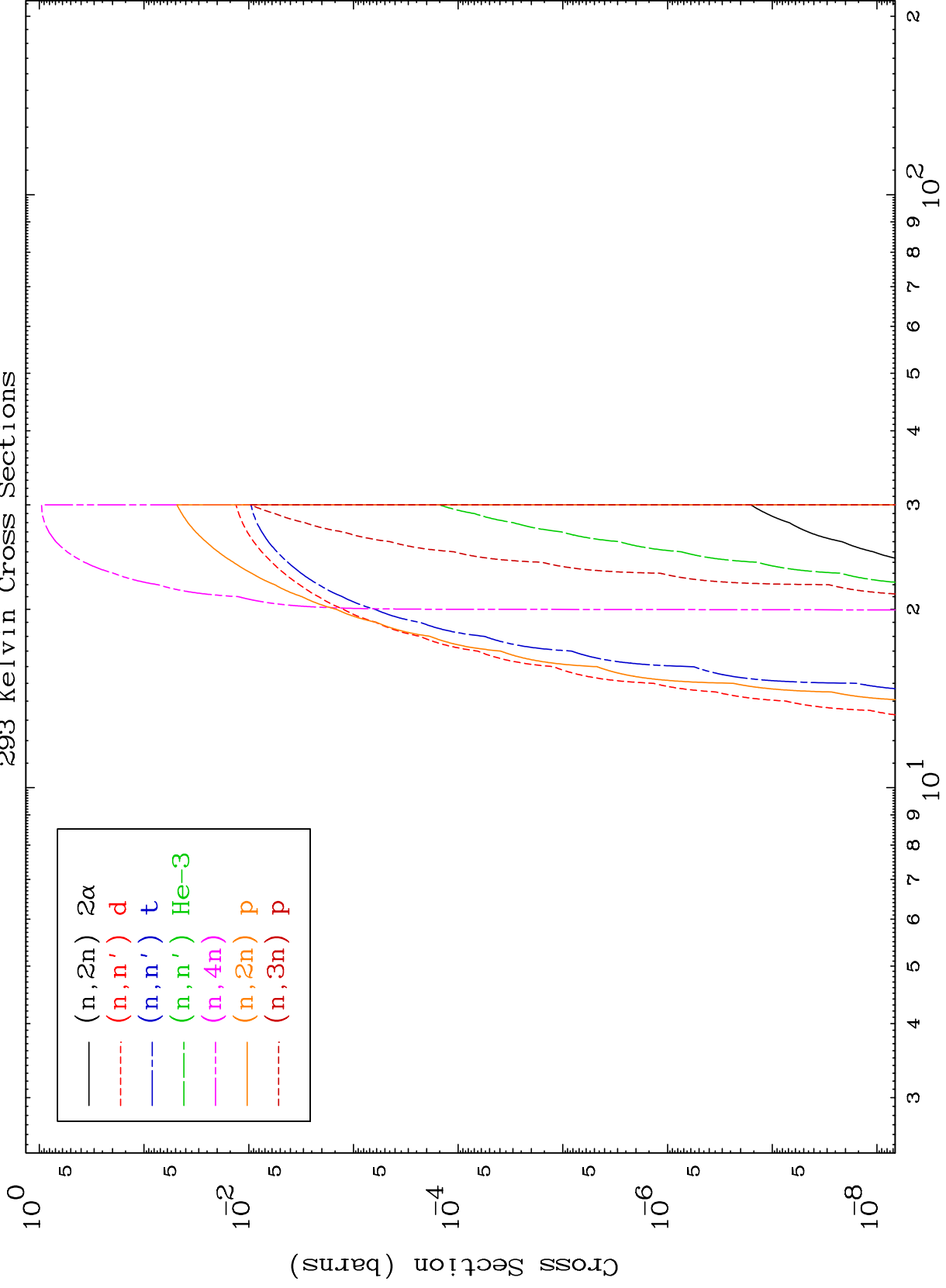
61-Pm-148



MAT 6152

Neutron Production
293 Kelvin Cross Sections

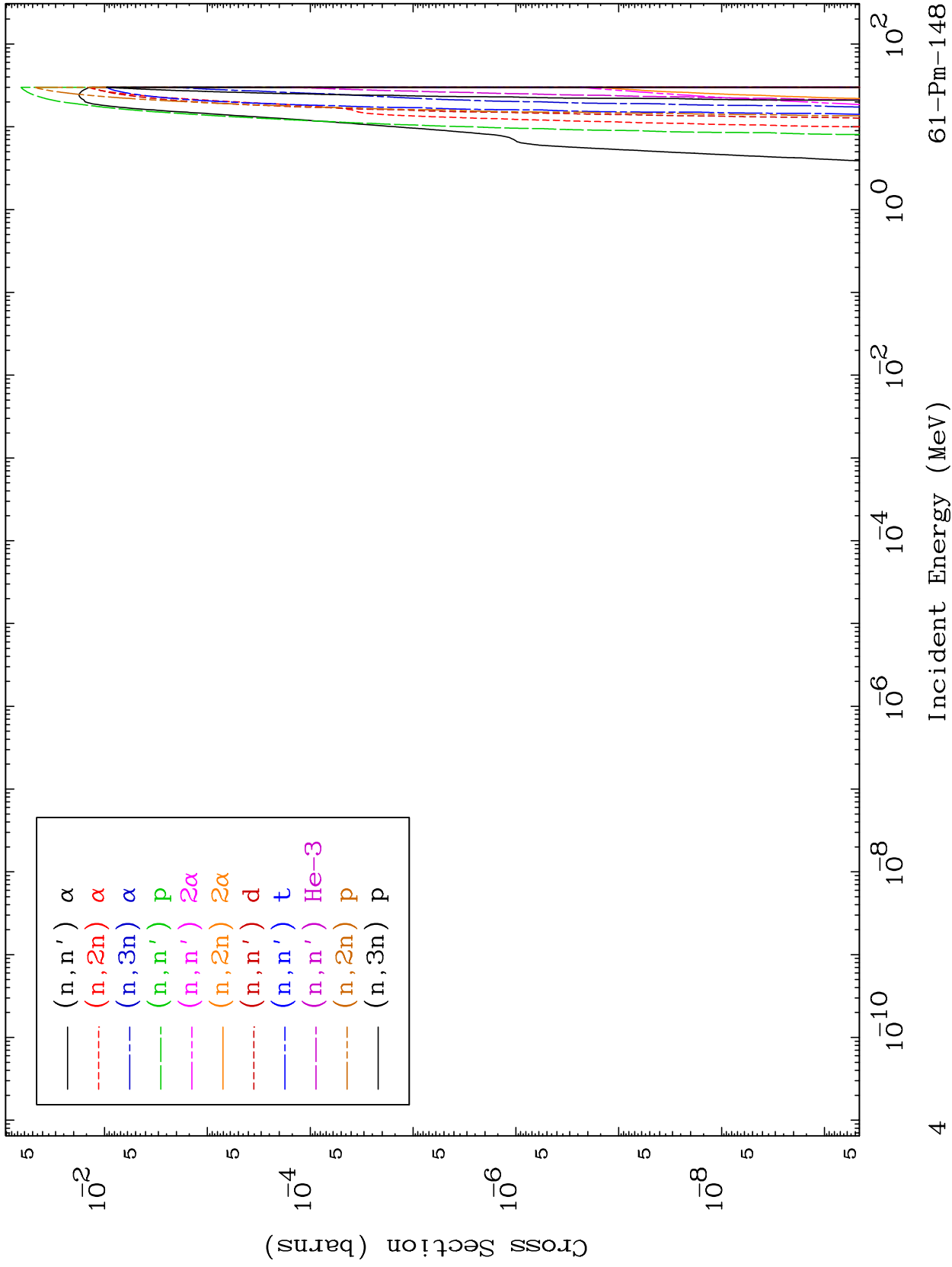
61-Pm-148



MAT 6152

Charged Particle
293 Kelvin Cross Sections

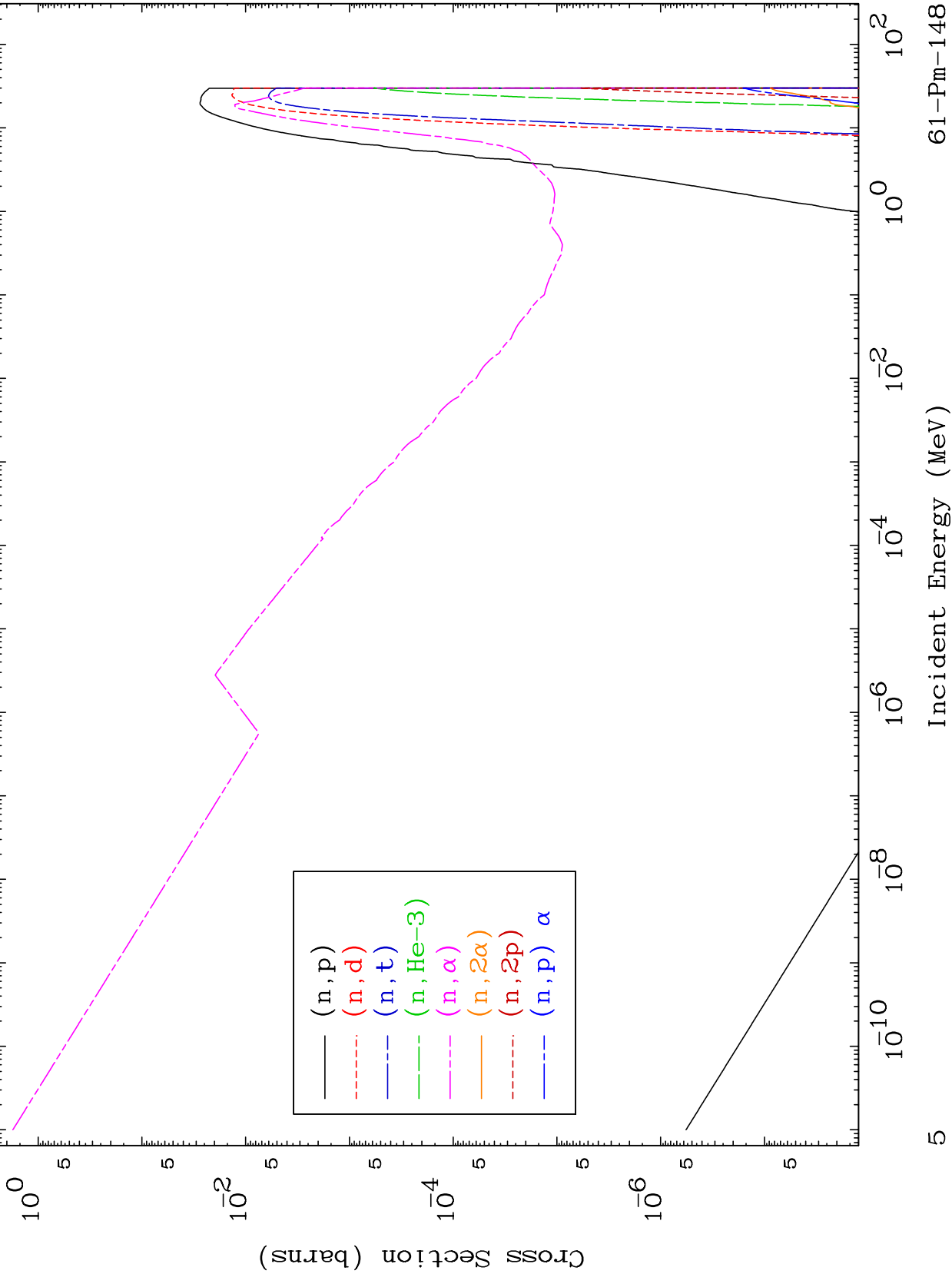
61-Pm-148



MAT 6152

Charged Particle
293 Kelvin Cross Sections

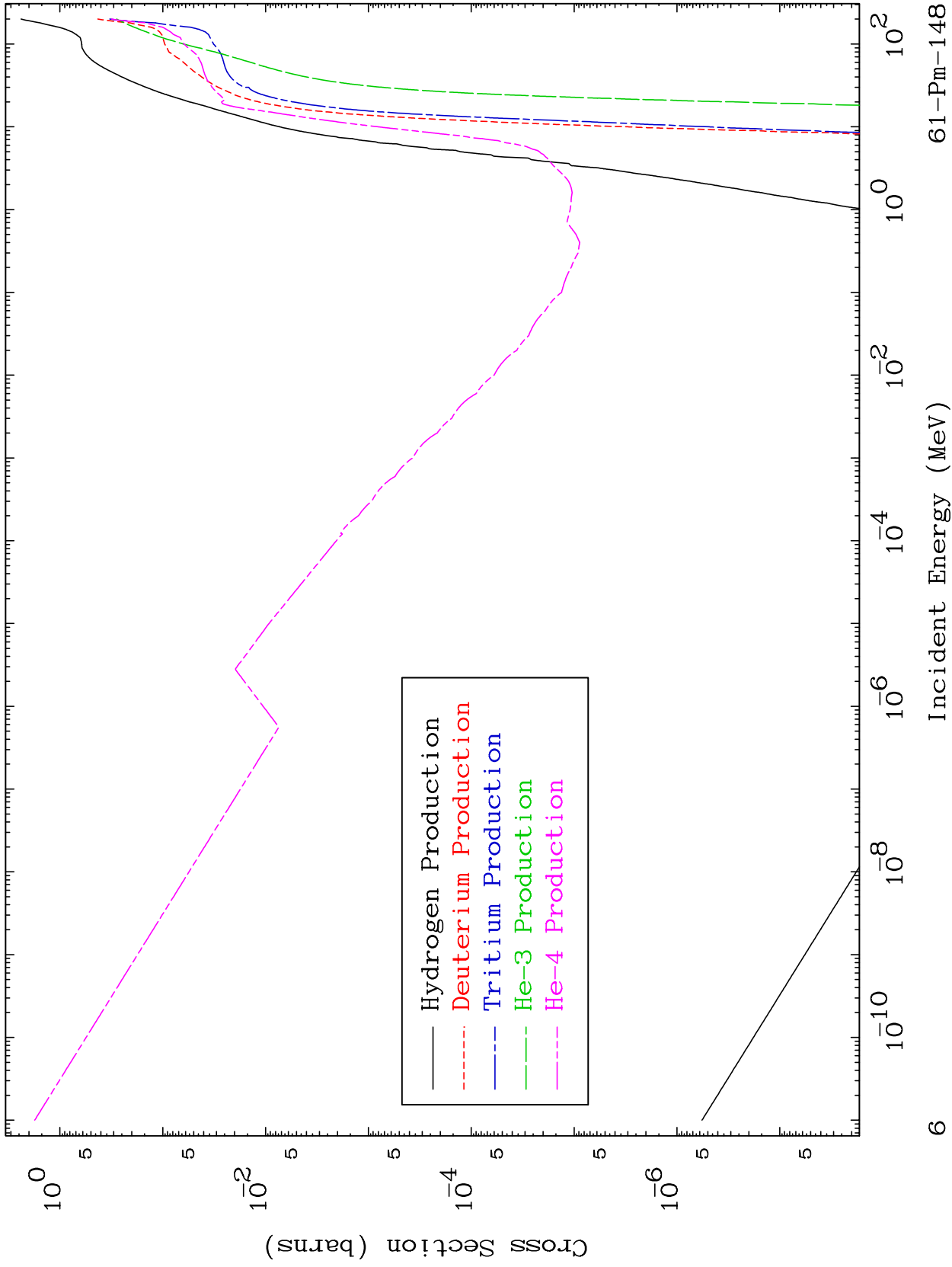
61-Pm-148



MAT 6152

Particle Production
293 Kelvin Cross Sections

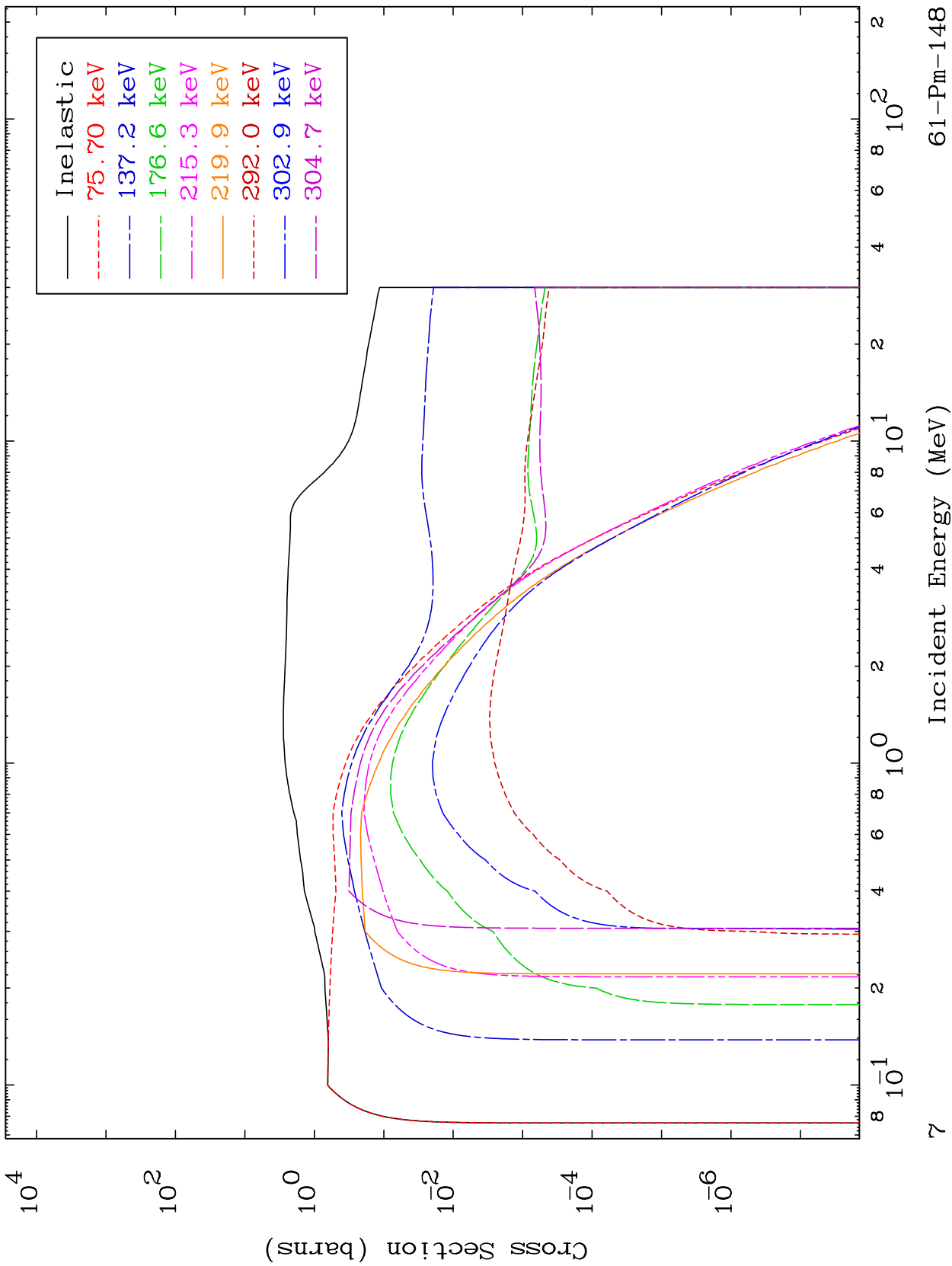
61-Pm-148



MAT 6152

(n,n') Level
293 Kelvin Cross Sections

61-Pm-148



61-Pm-148

Incident Energy (MeV)

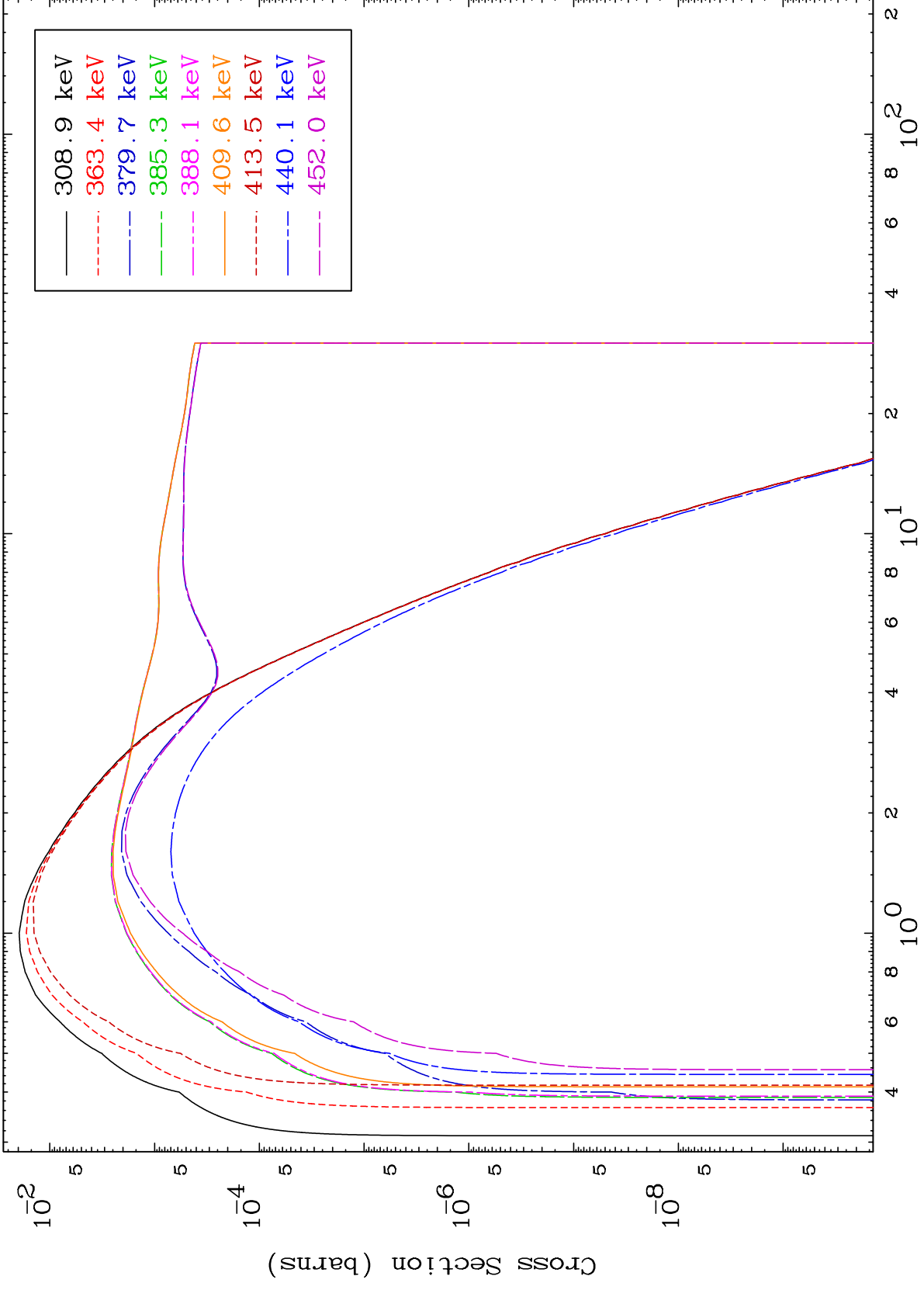
7

MAT 6152

(n,n') Level

61-Pm-148

293 Kelvin Cross Sections



8

Incident Energy (MeV)

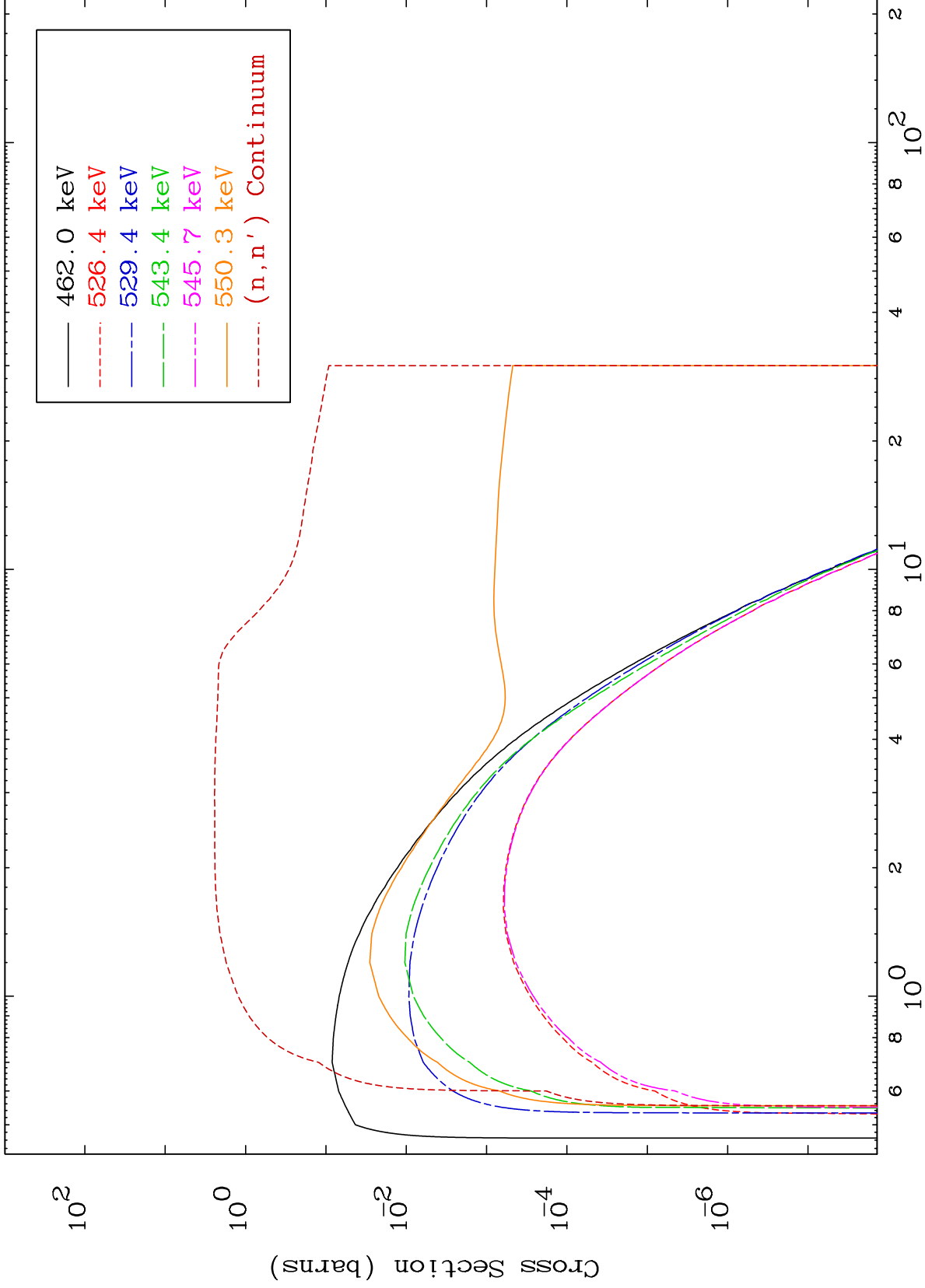
61-Pm-148

MAT 6152

(n,n') Level

61-Pm-148

293 Kelvin Cross Sections



9

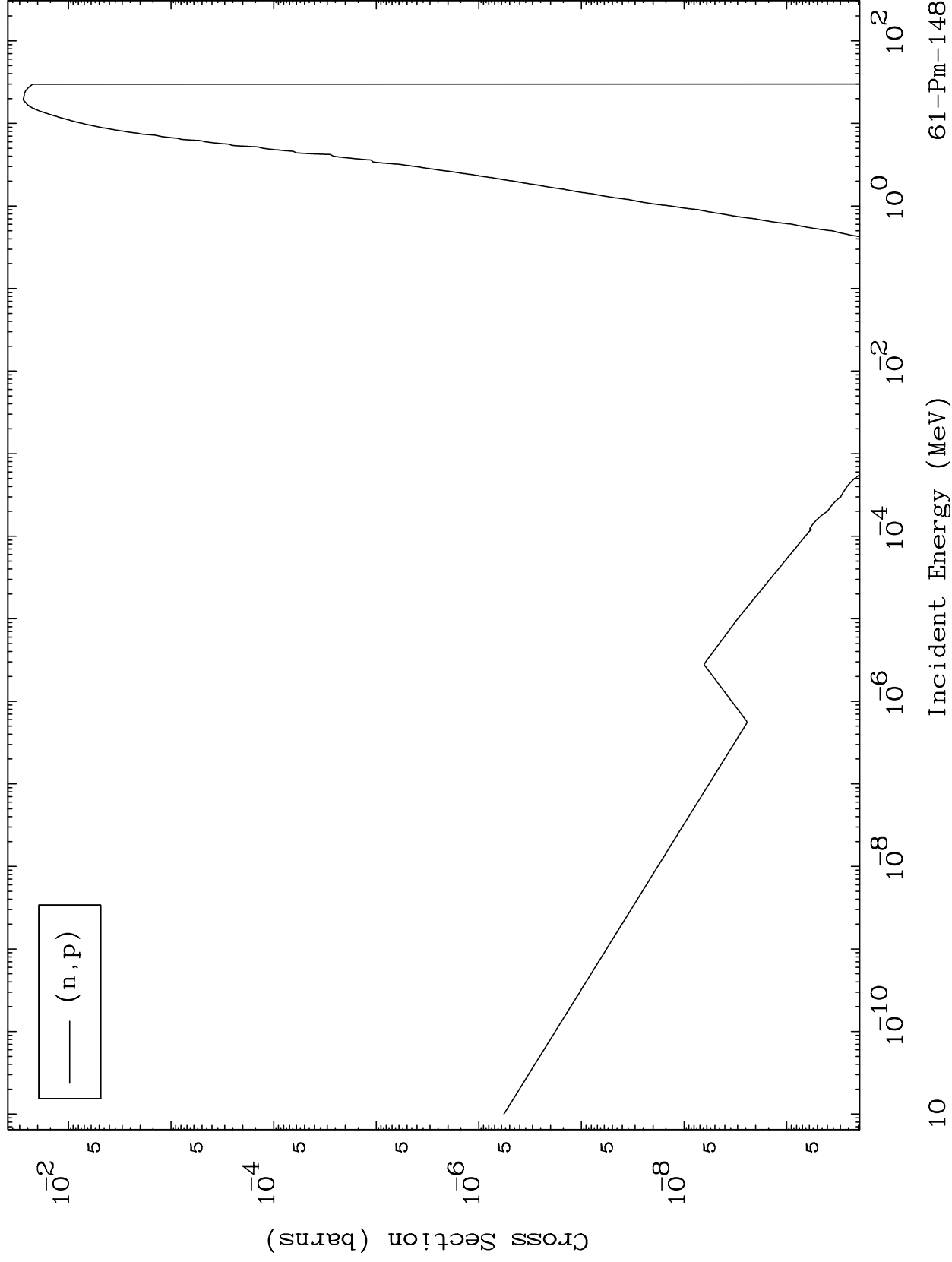
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-148



10

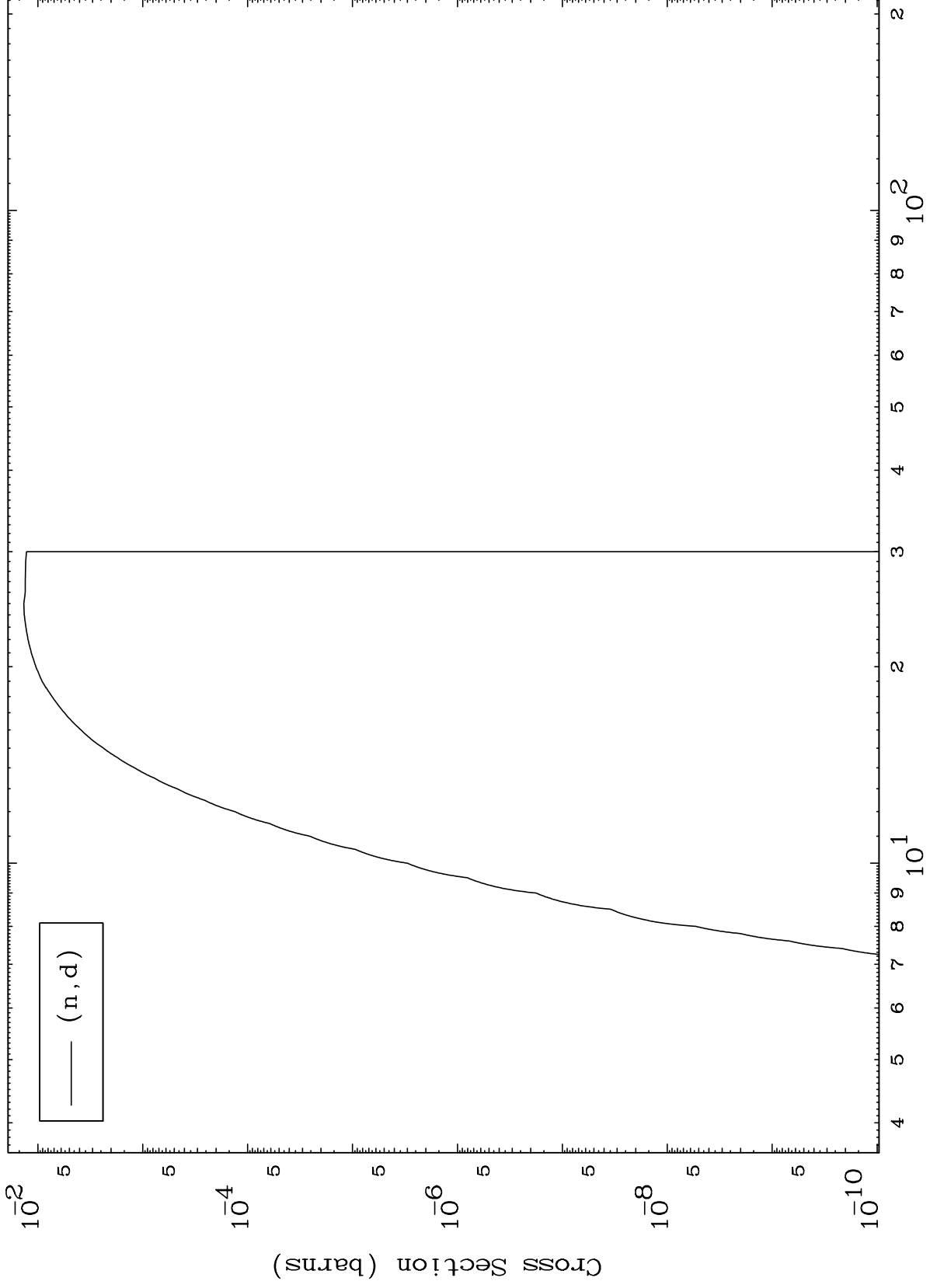
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,d) Levels
293 Kelvin Cross Sections

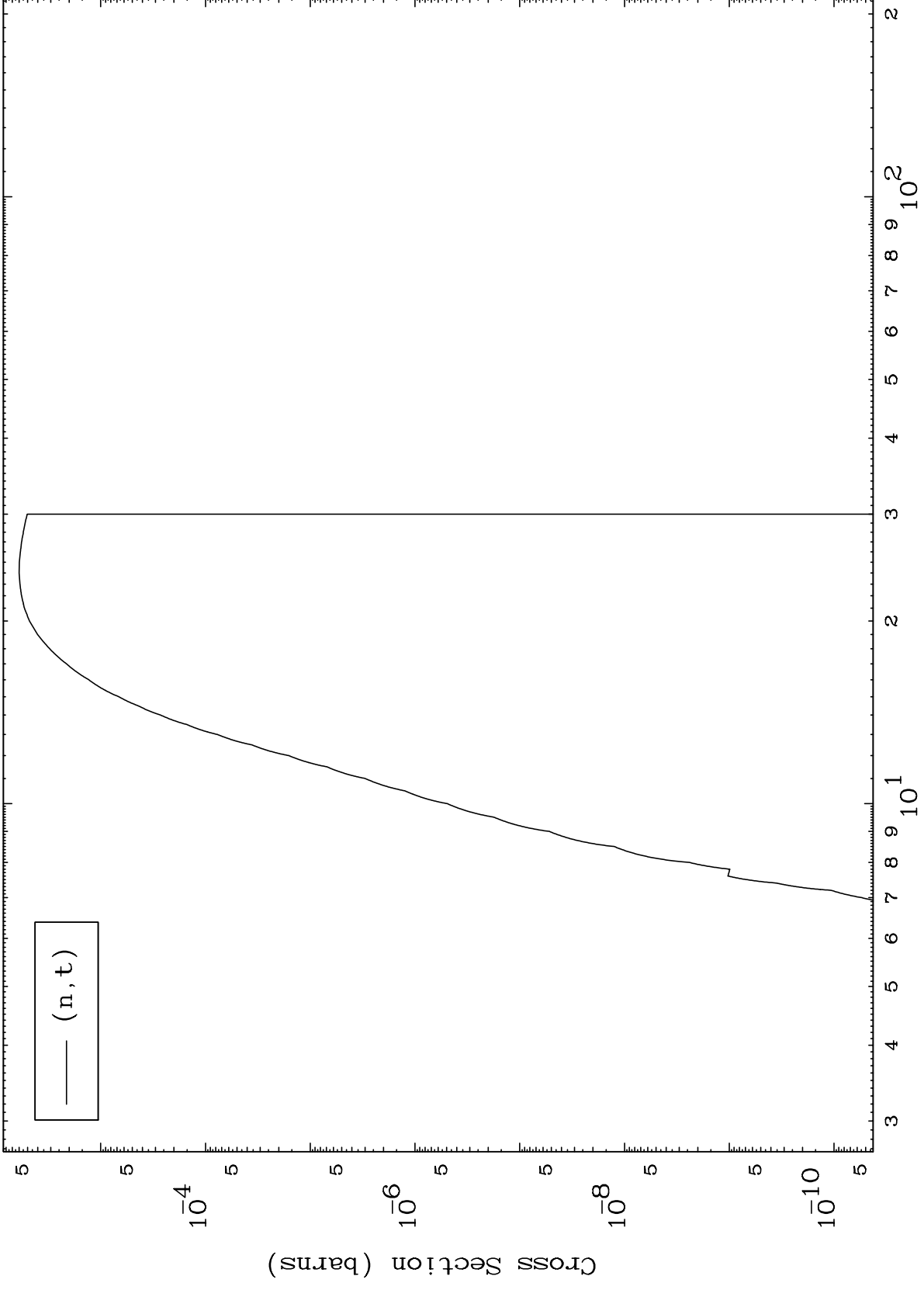
61-Pm-148



MAT 6152

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-148



12

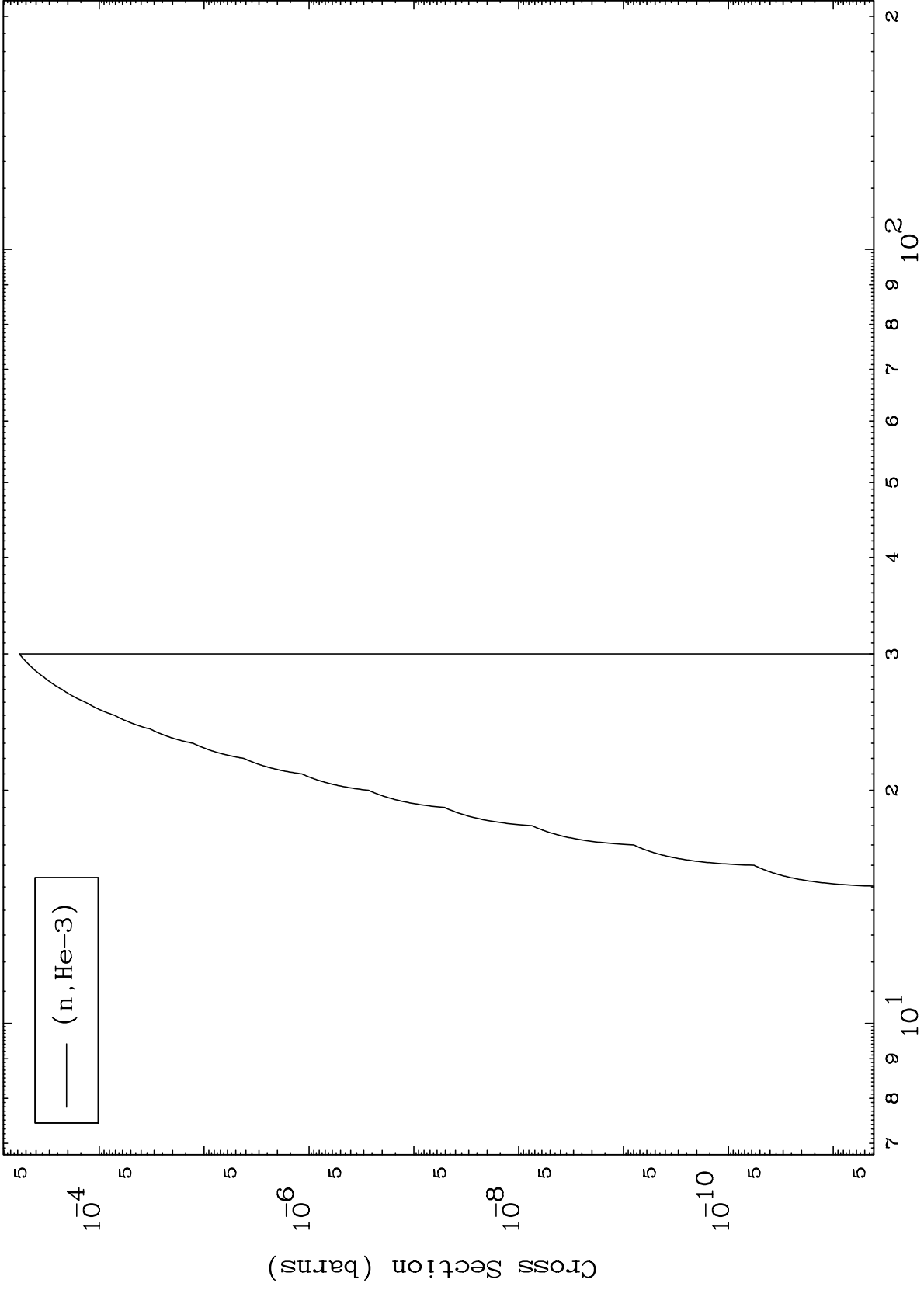
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-148



13

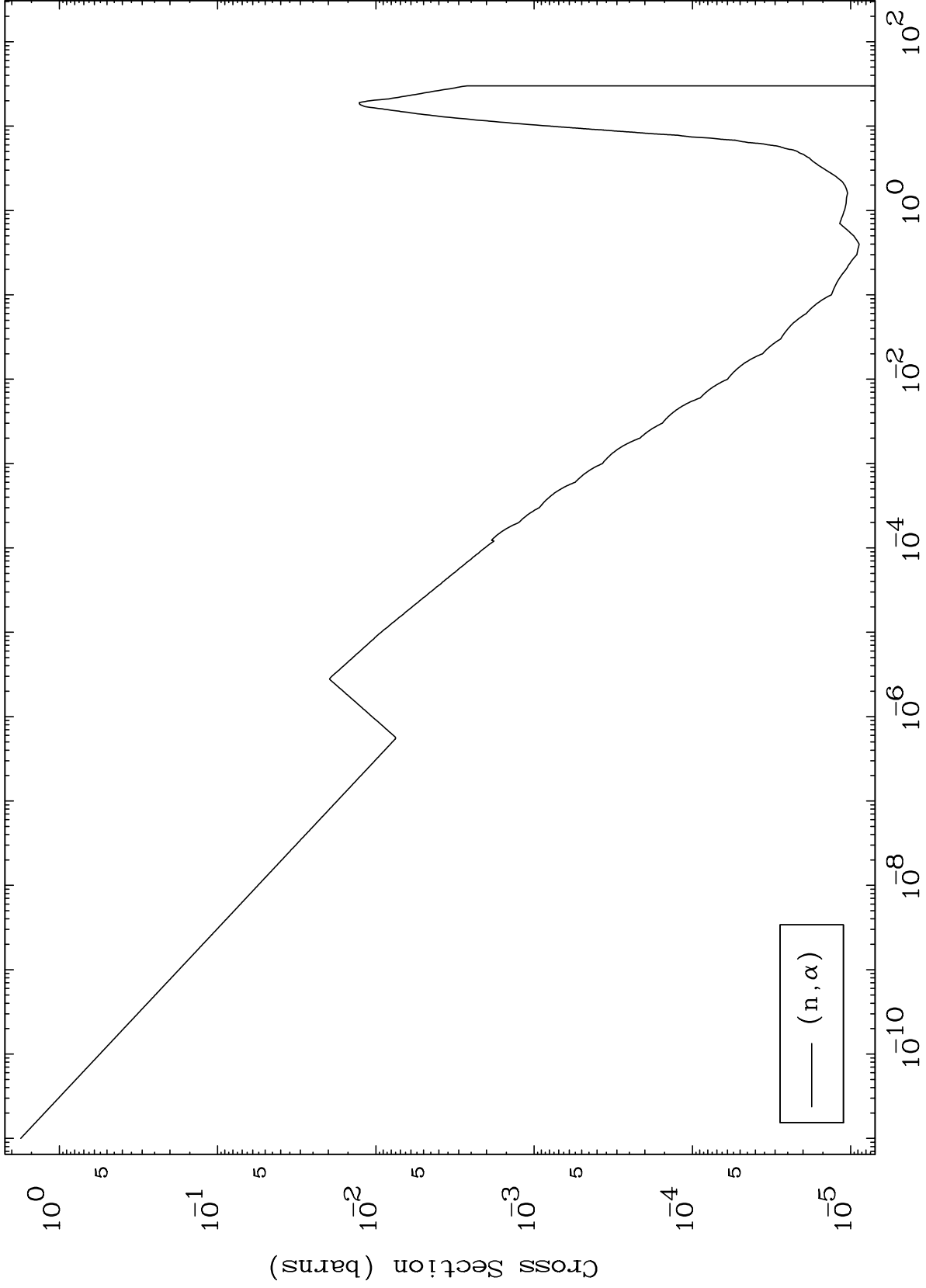
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,α) Levels
293 Kelvin Cross Sections

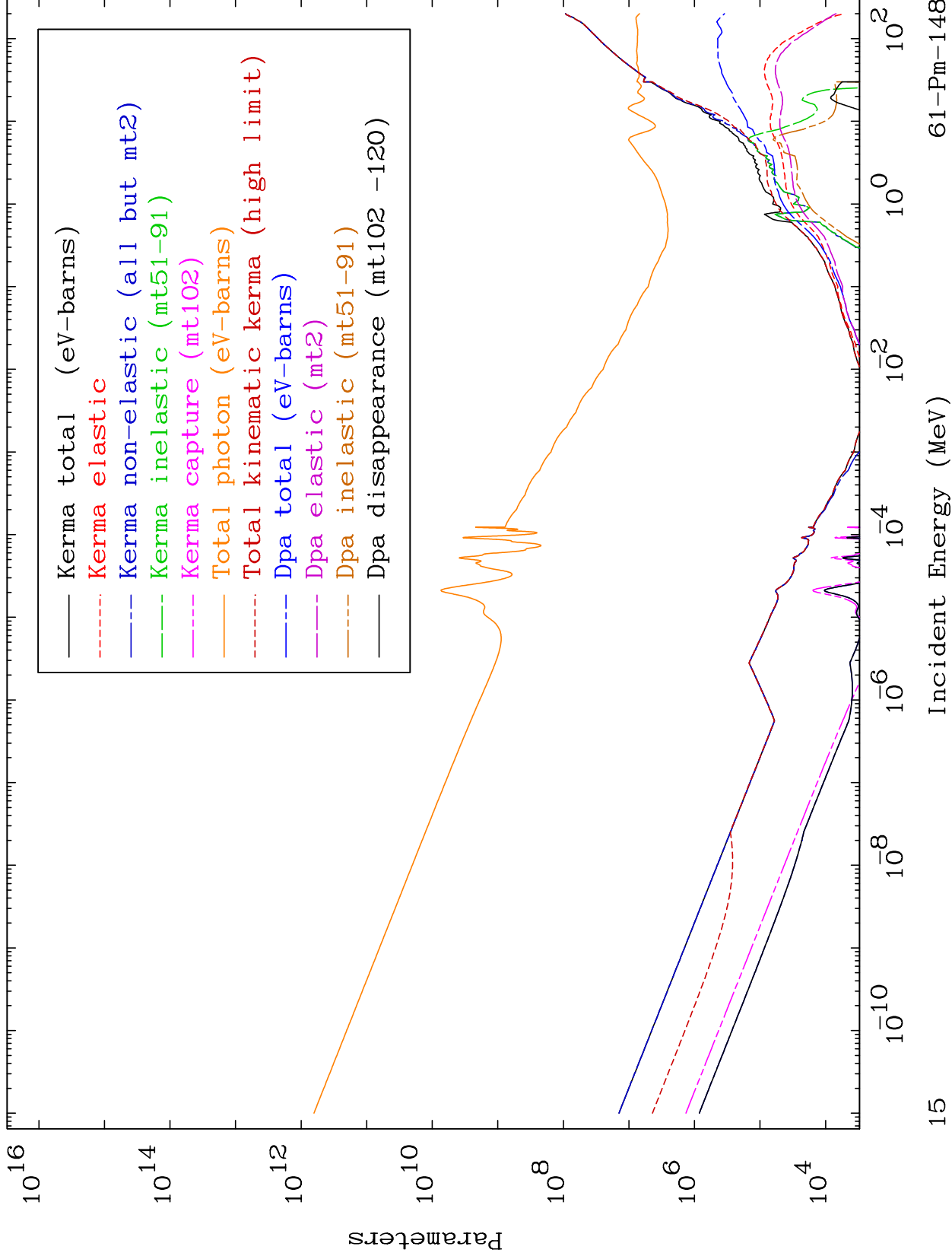
61-Pm-148



14

Incident Energy (MeV)

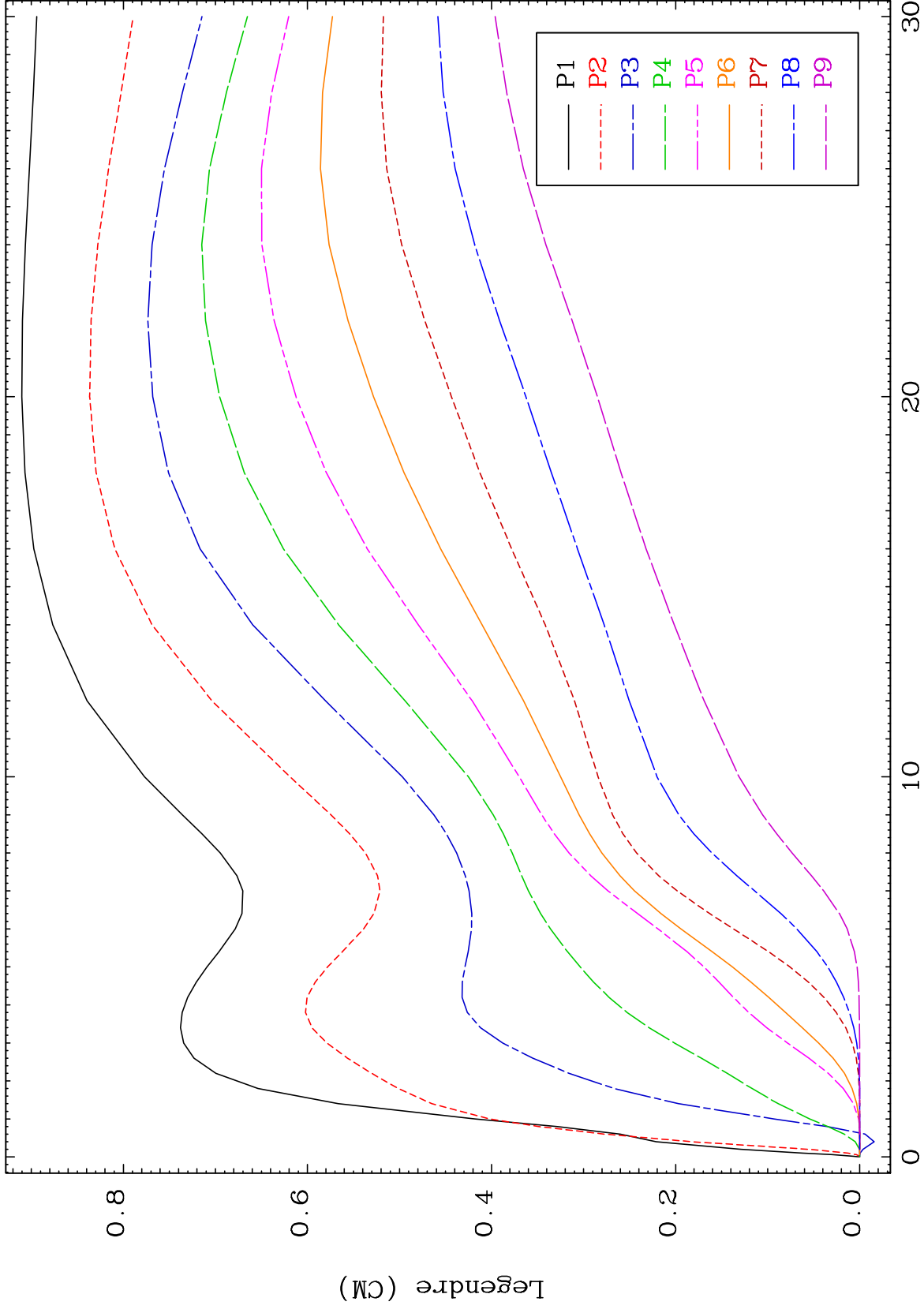
61-Pm-148



MAT 6152

Elastic Legendre Coefficients

61-Pm-148



16

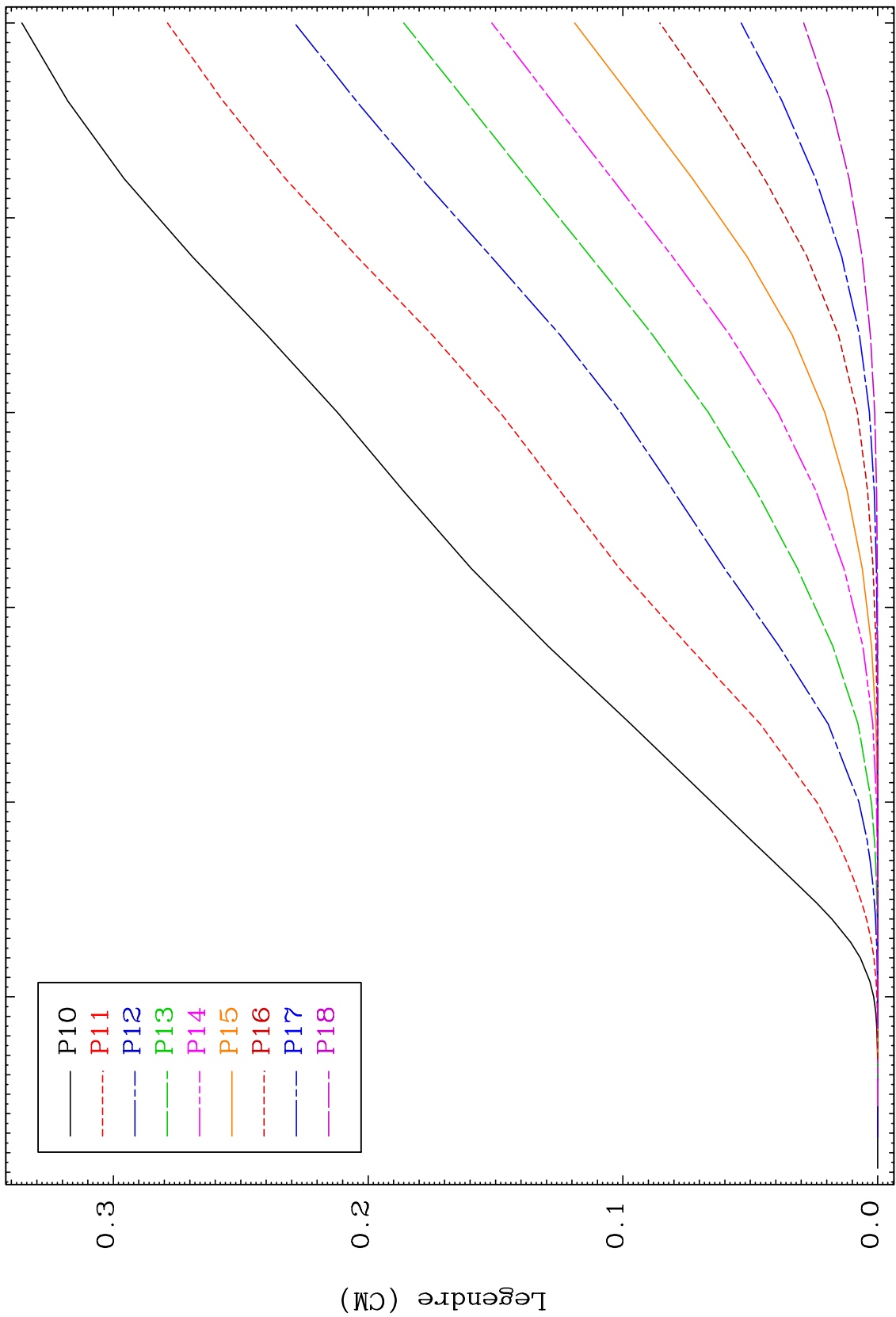
Incident Energy (MeV)

61-Pm-148

MAT 6152

Elastic Legendre Coefficients

61-Pm-148



17

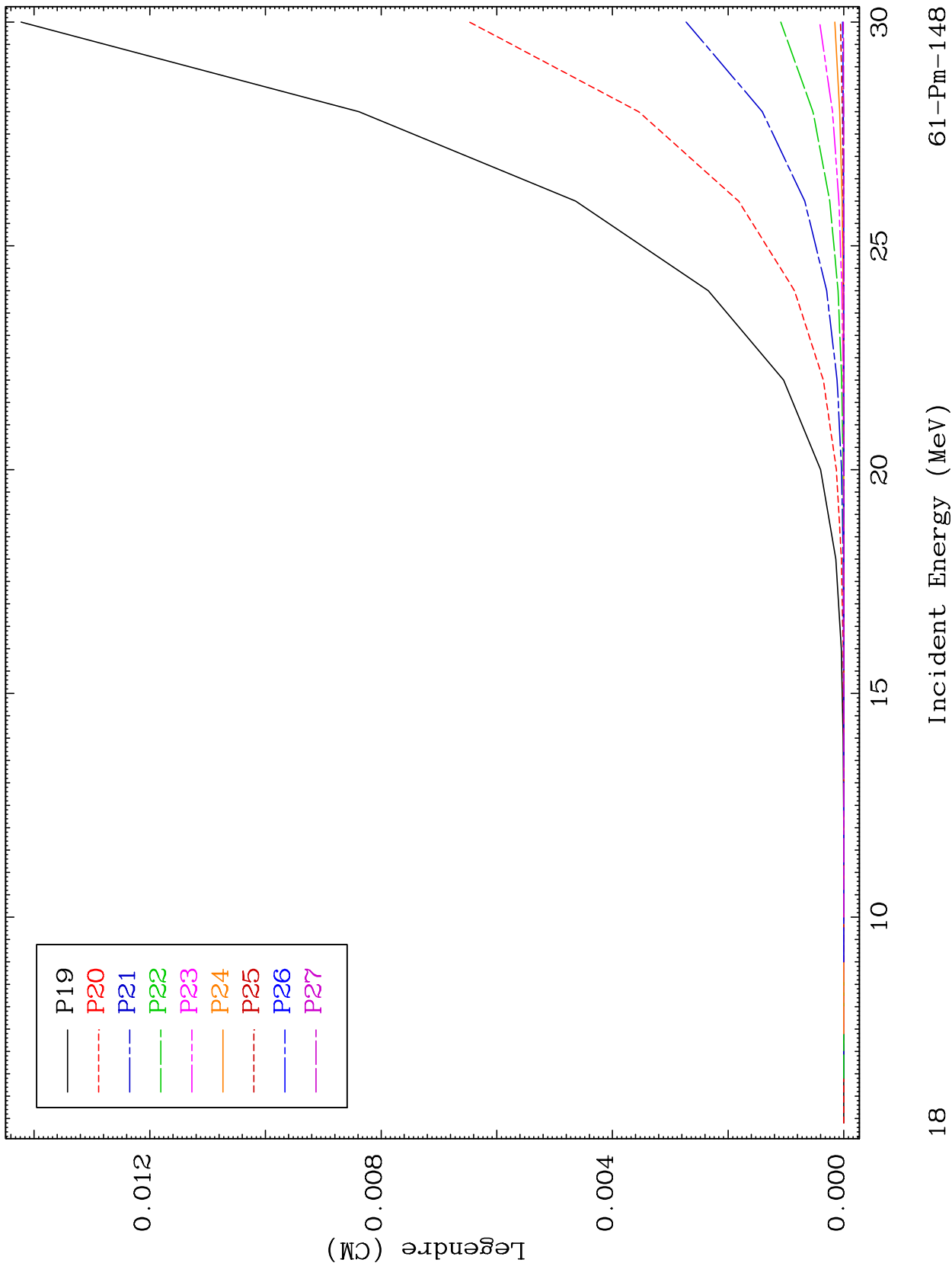
Incident Energy (MeV)

61-Pm-148

MAT 6152

Elastic Legendre Coefficients

61-Pm-148



18

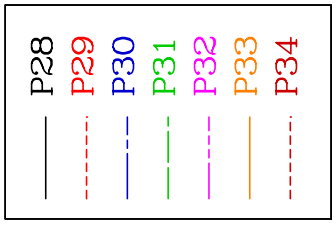
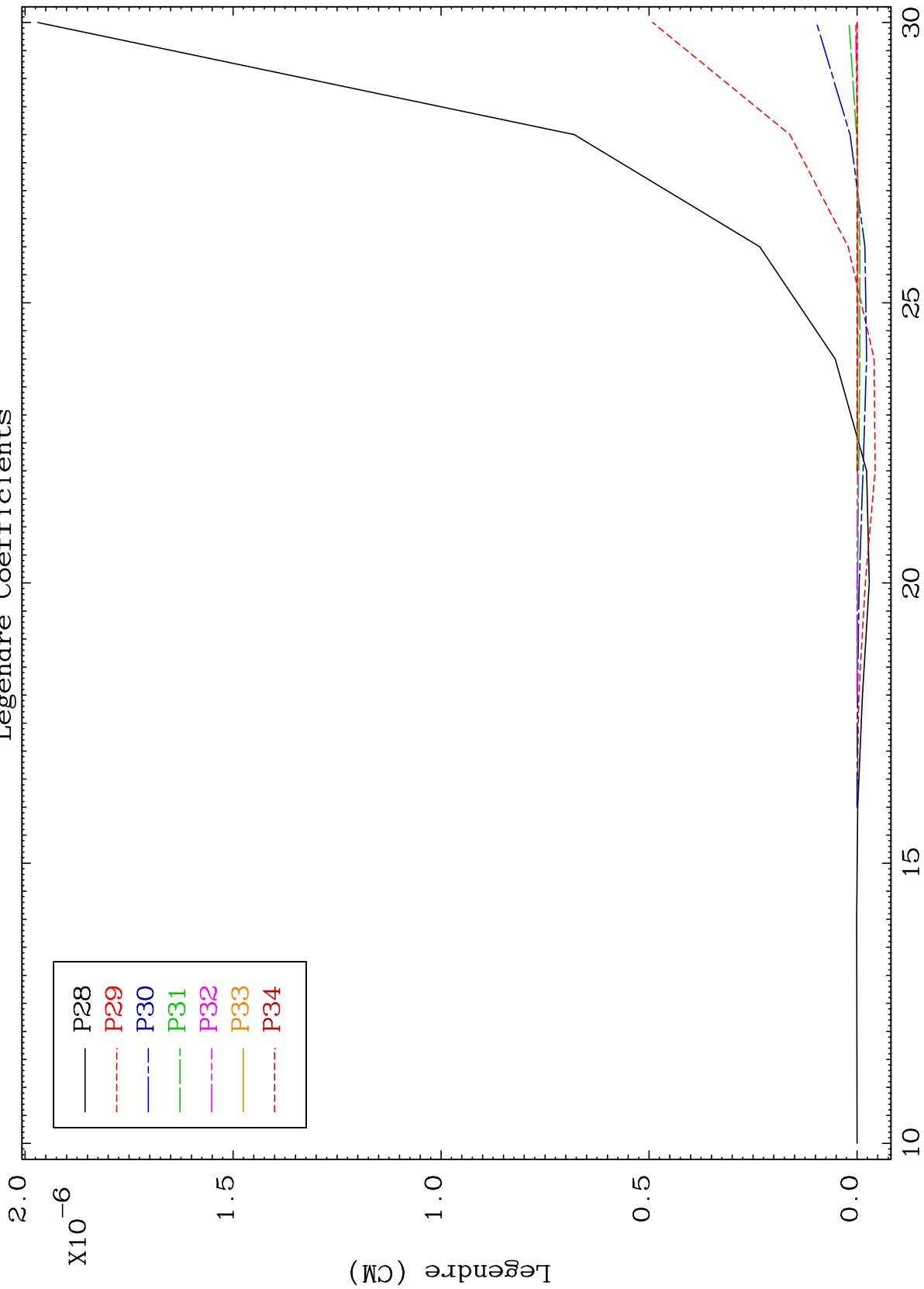
Incident Energy (MeV)

61-Pm-148

MAT 6152

Elastic Legendre Coefficients

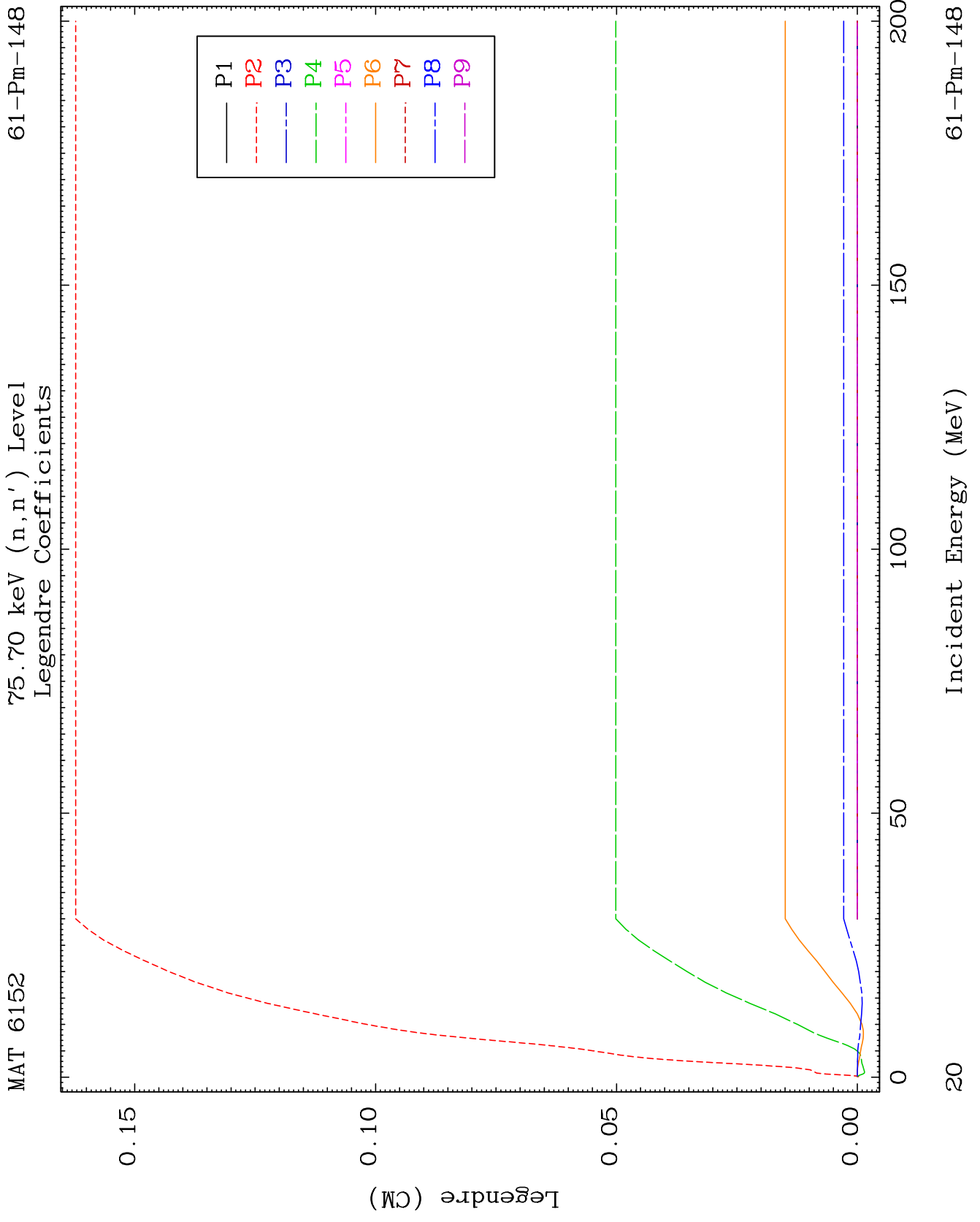
61-Pm-148



61-Pm-148

Incident Energy (MeV)

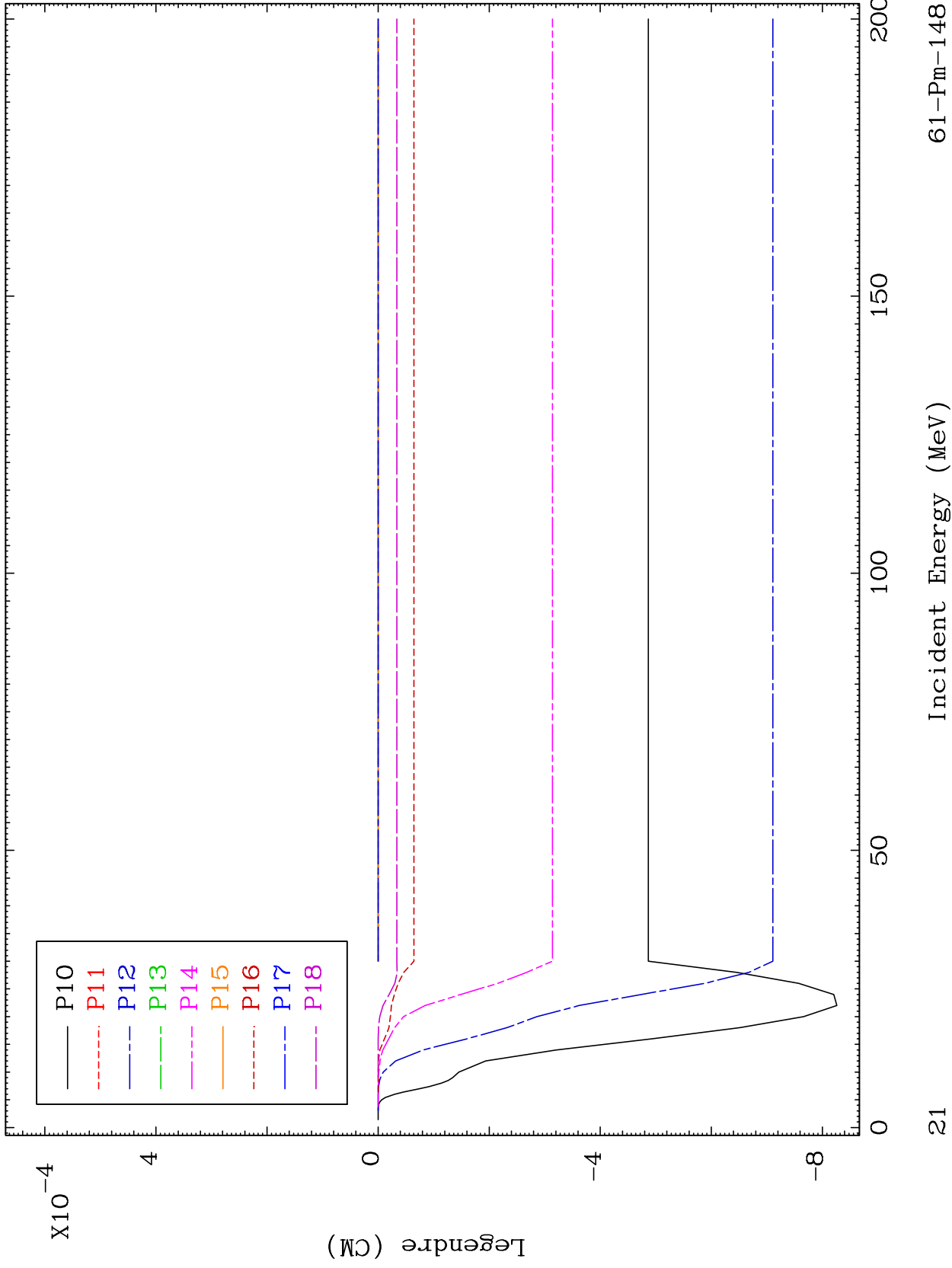
19



MAT 6152

75.70 keV (n,n') Level
Legendre Coefficients

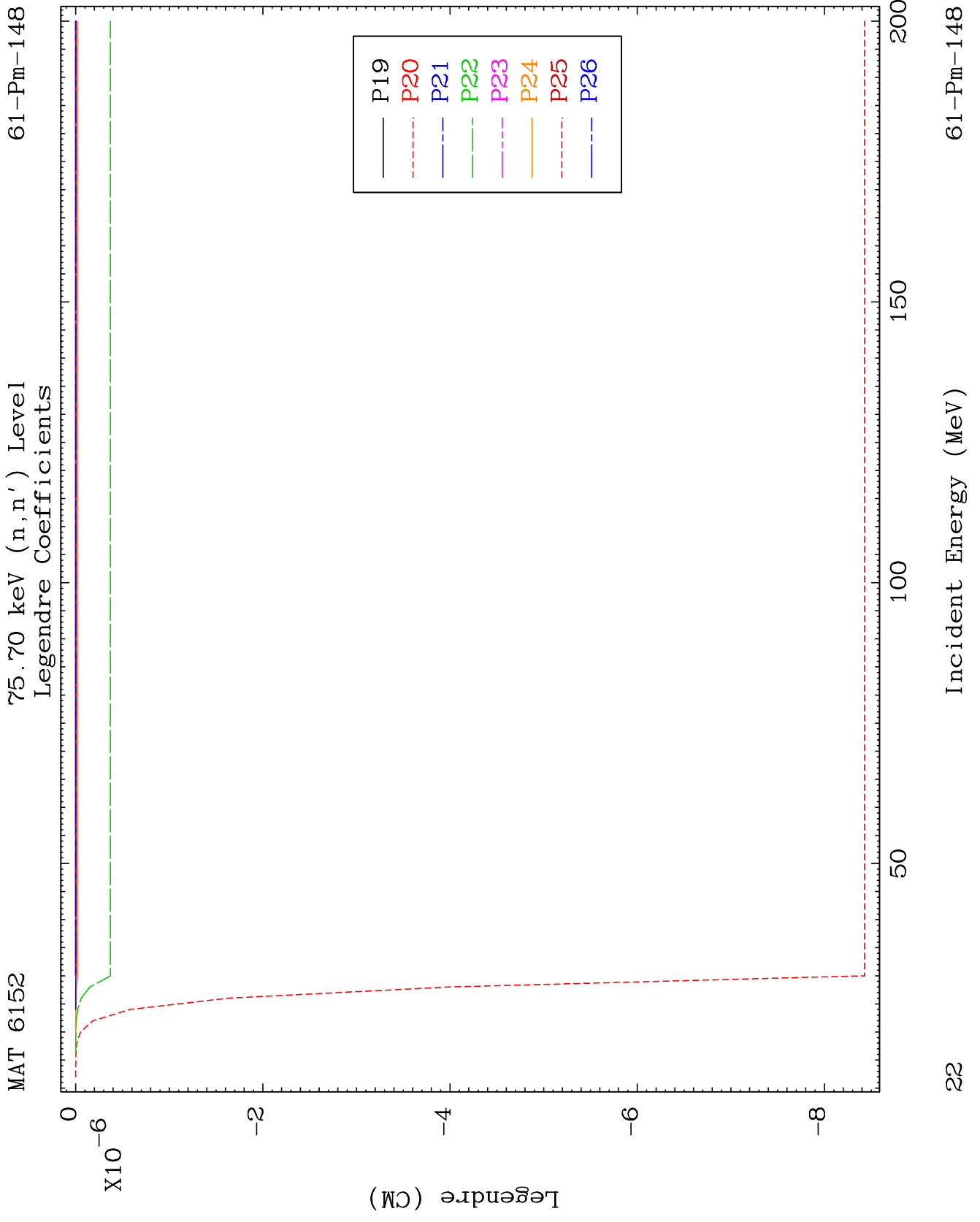
61-Pm-148



21

Incident Energy (MeV)

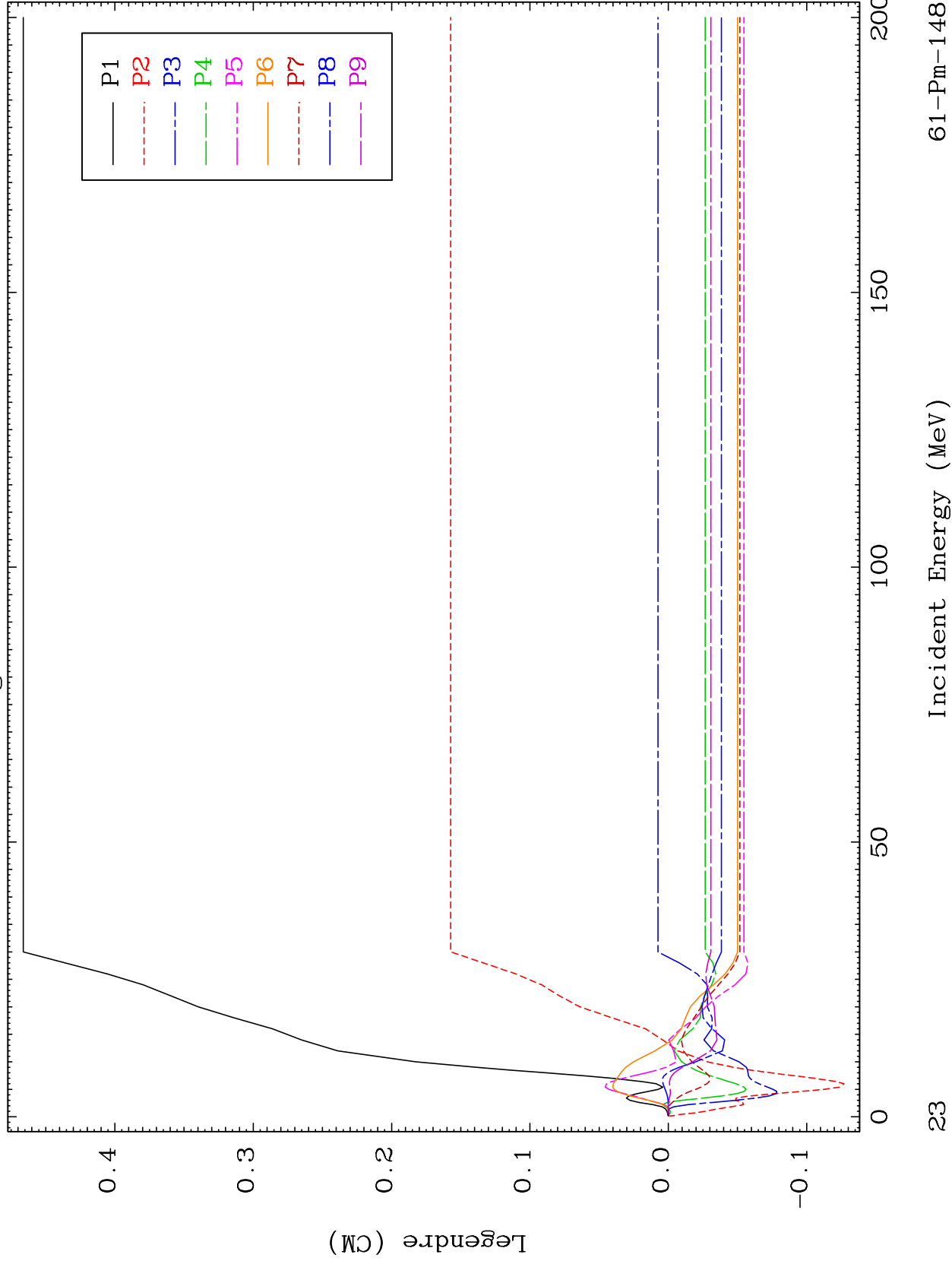
61-Pm-148



MAT 6152

137.2 keV (n,n') Level
Legendre Coefficients

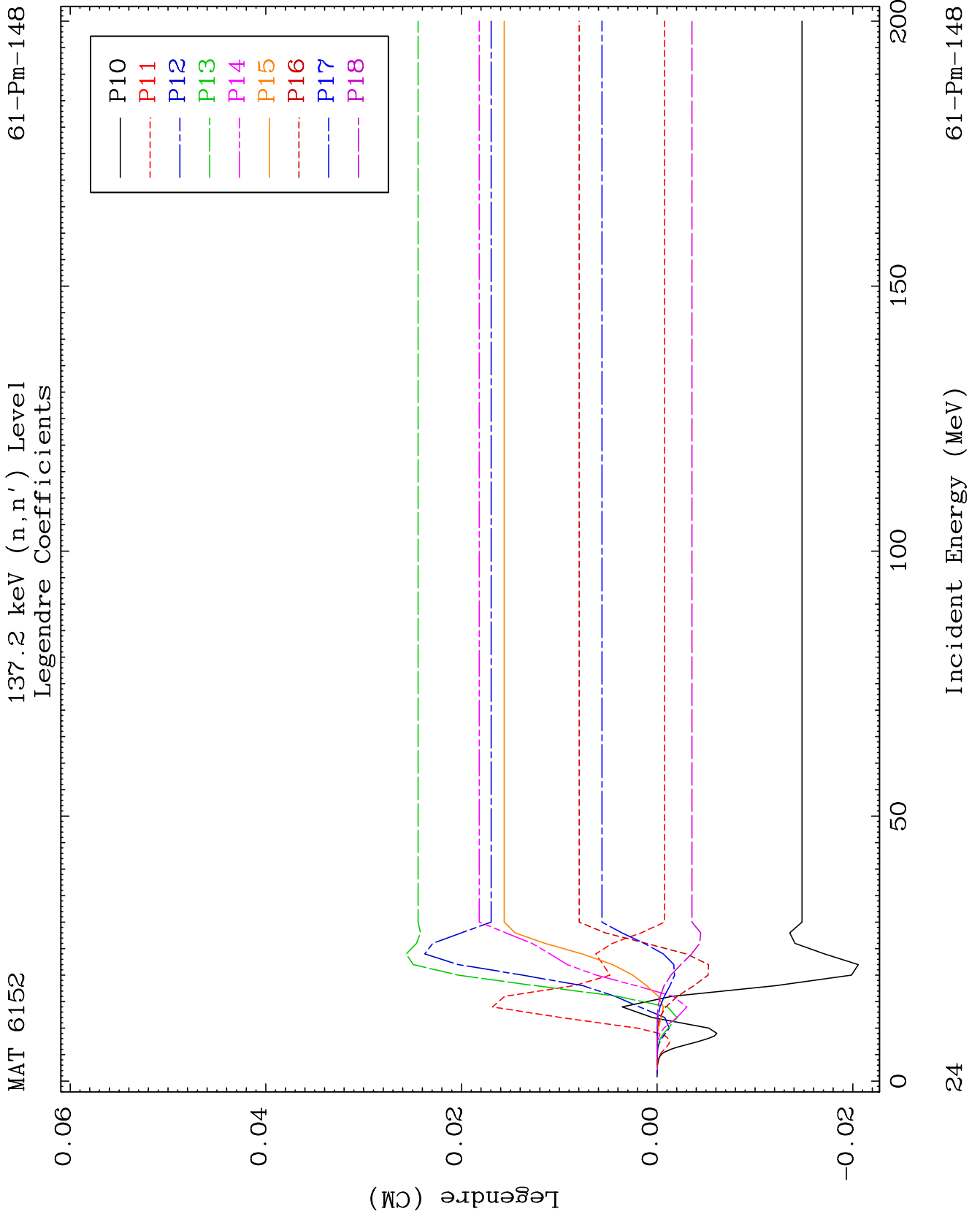
61-Pm-148



61-Pm-148

Incident Energy (MeV)

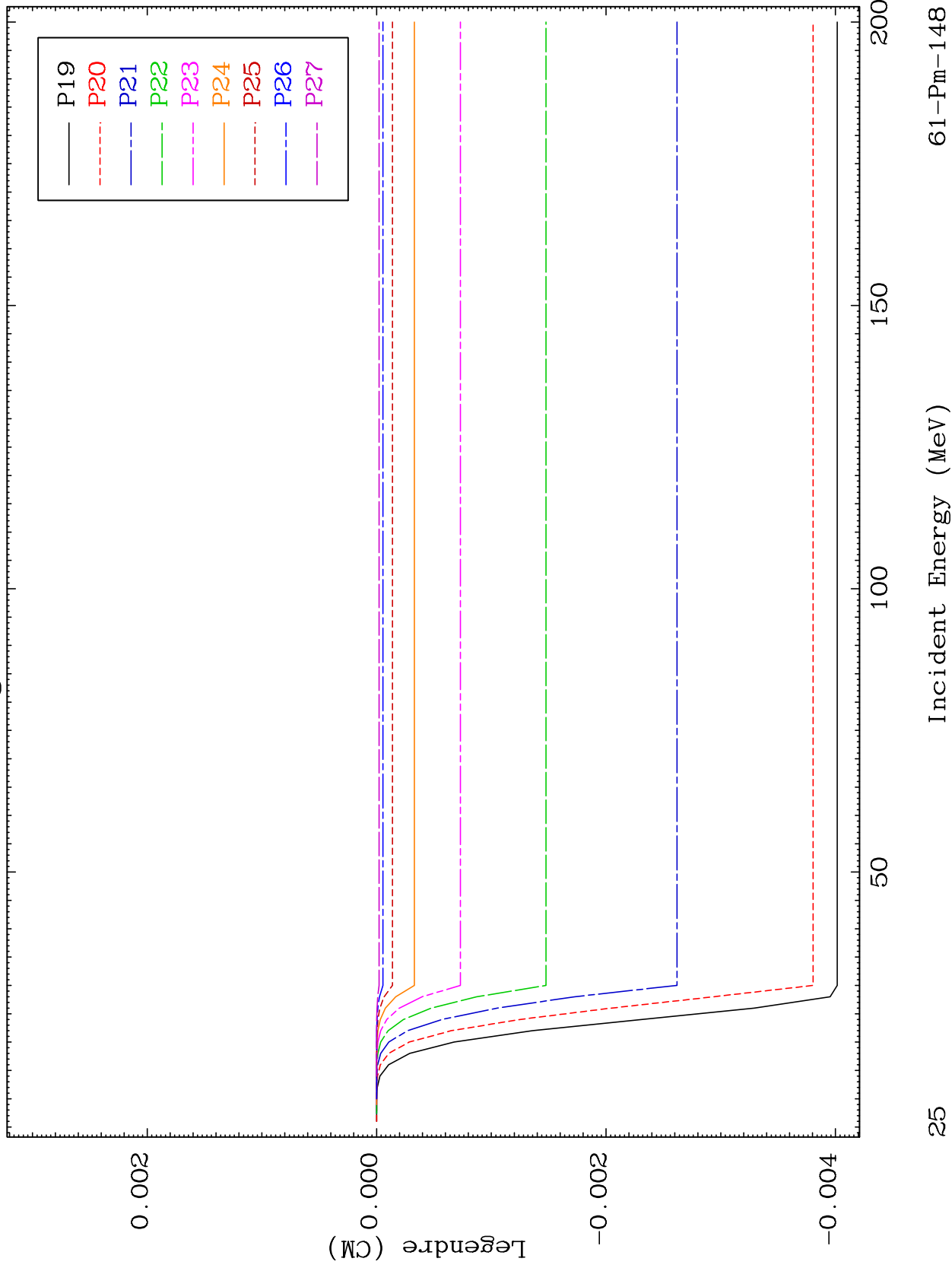
23



MAT 6152

137.2 keV (n,n') Level
Legendre Coefficients

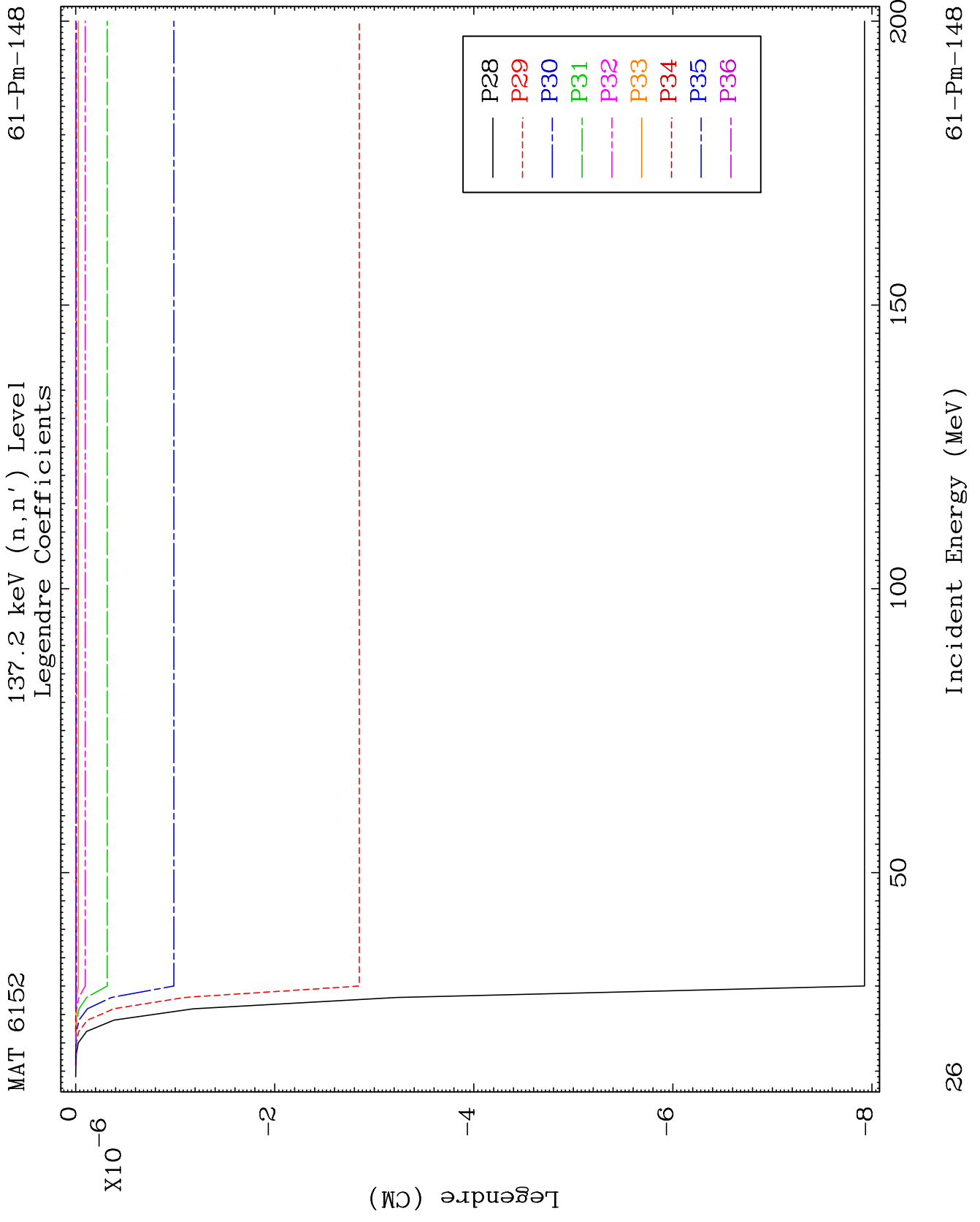
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25

Incident Energy (MeV)

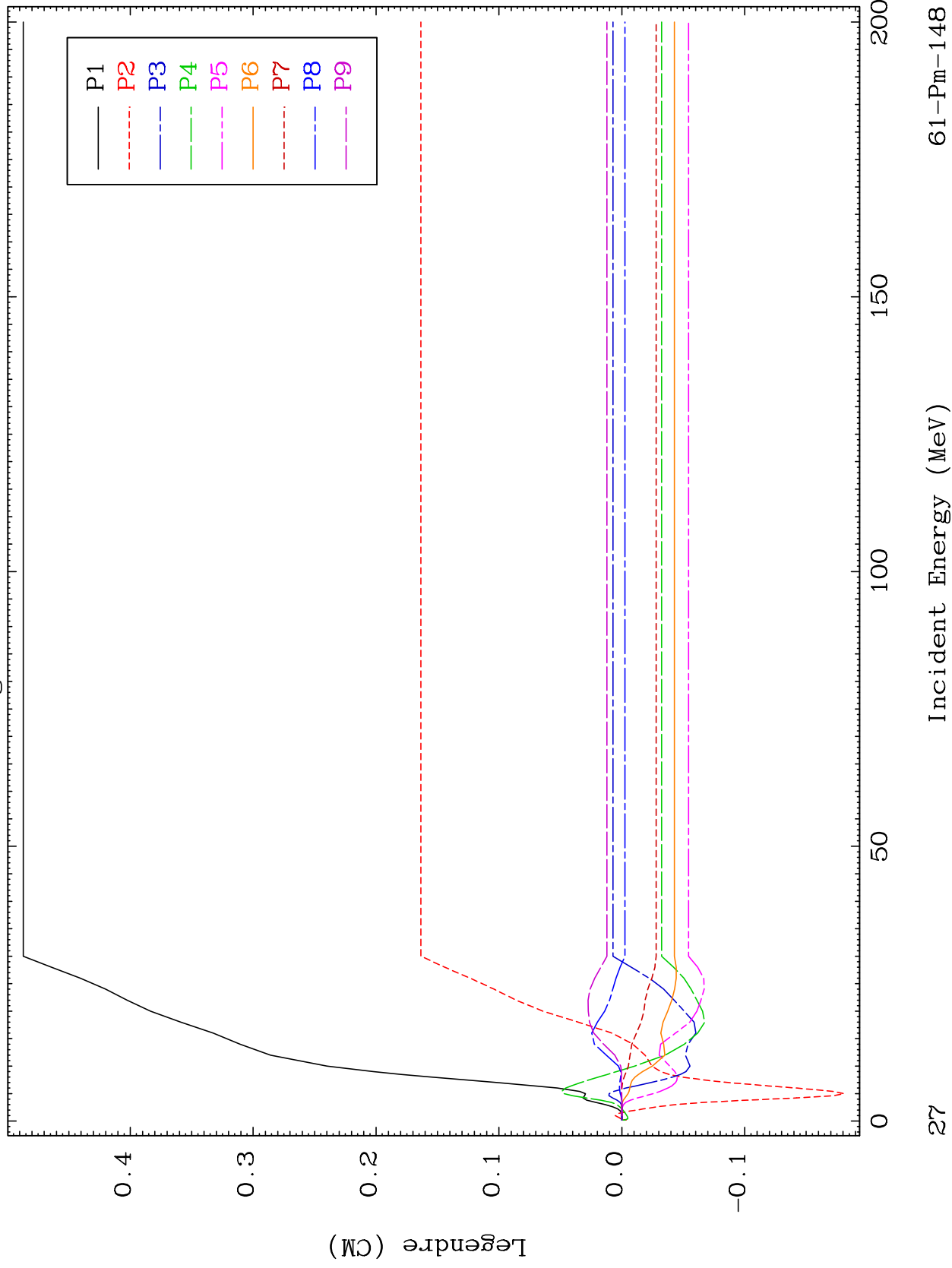
61-Pm-148



MAT 6152

176.6 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

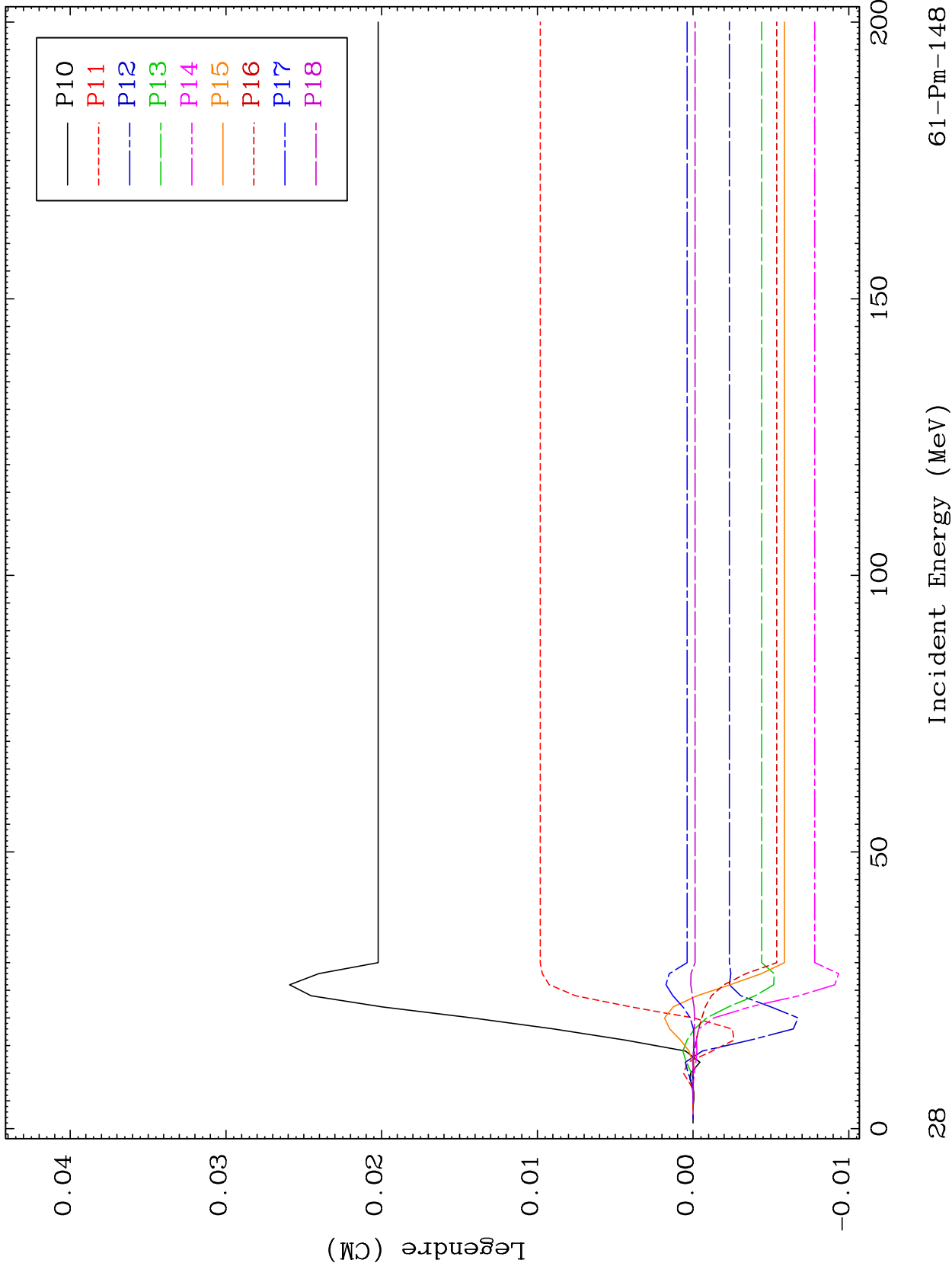
Incident Energy (MeV)

27

MAT 6152

176.6 keV (n,n') Level
Legendre Coefficients

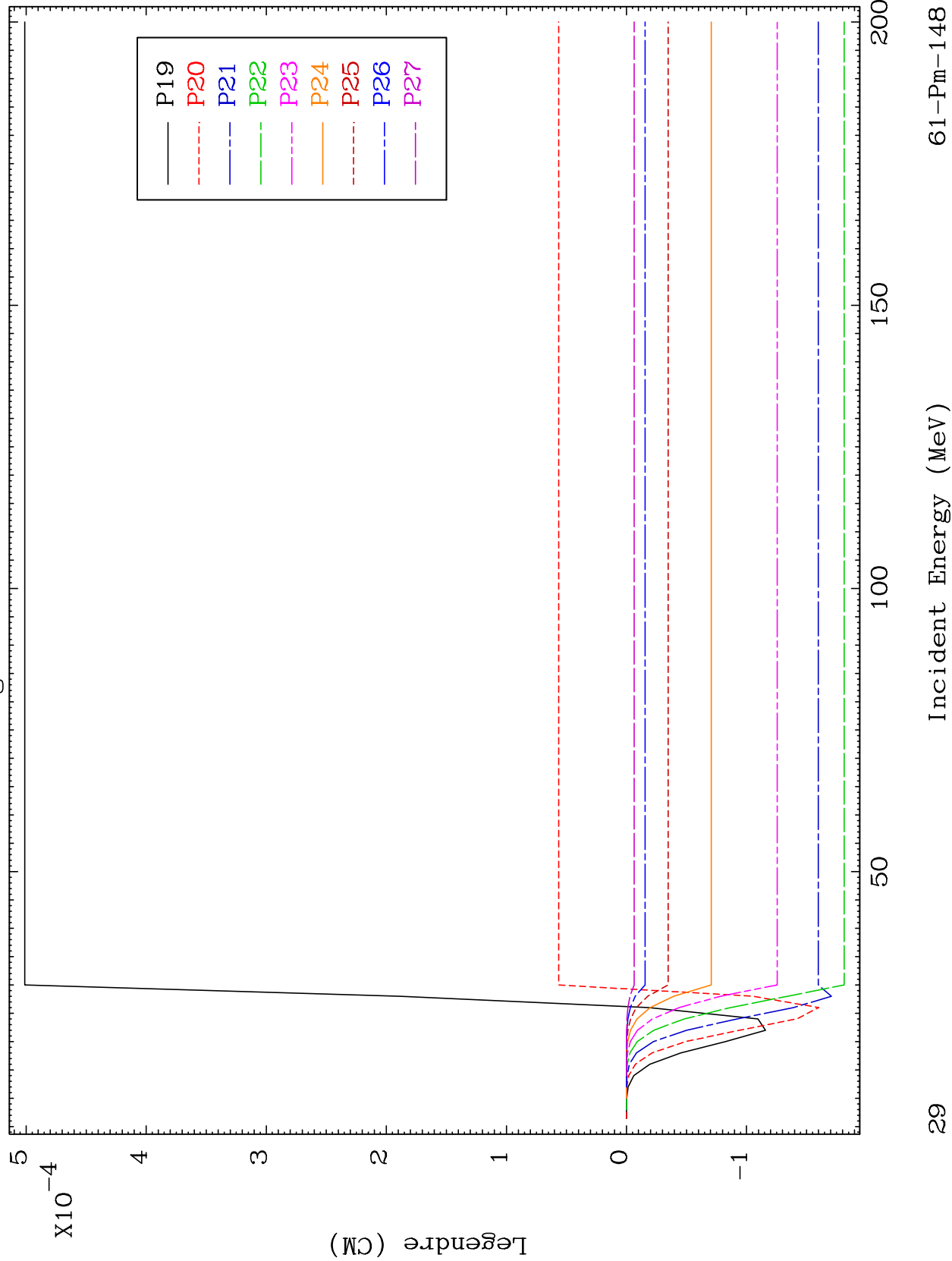
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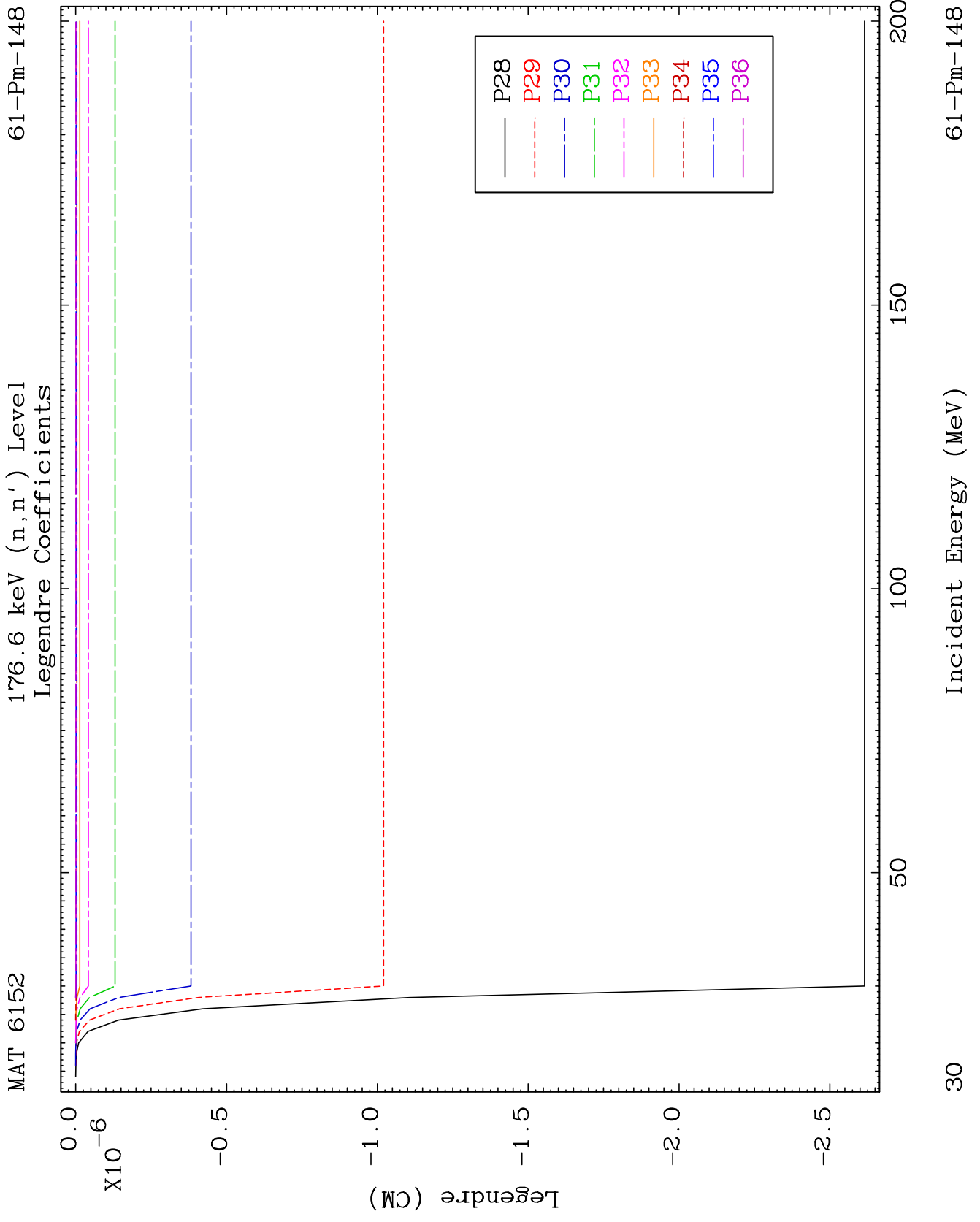


61-Pm-148

Incident Energy (MeV)

28

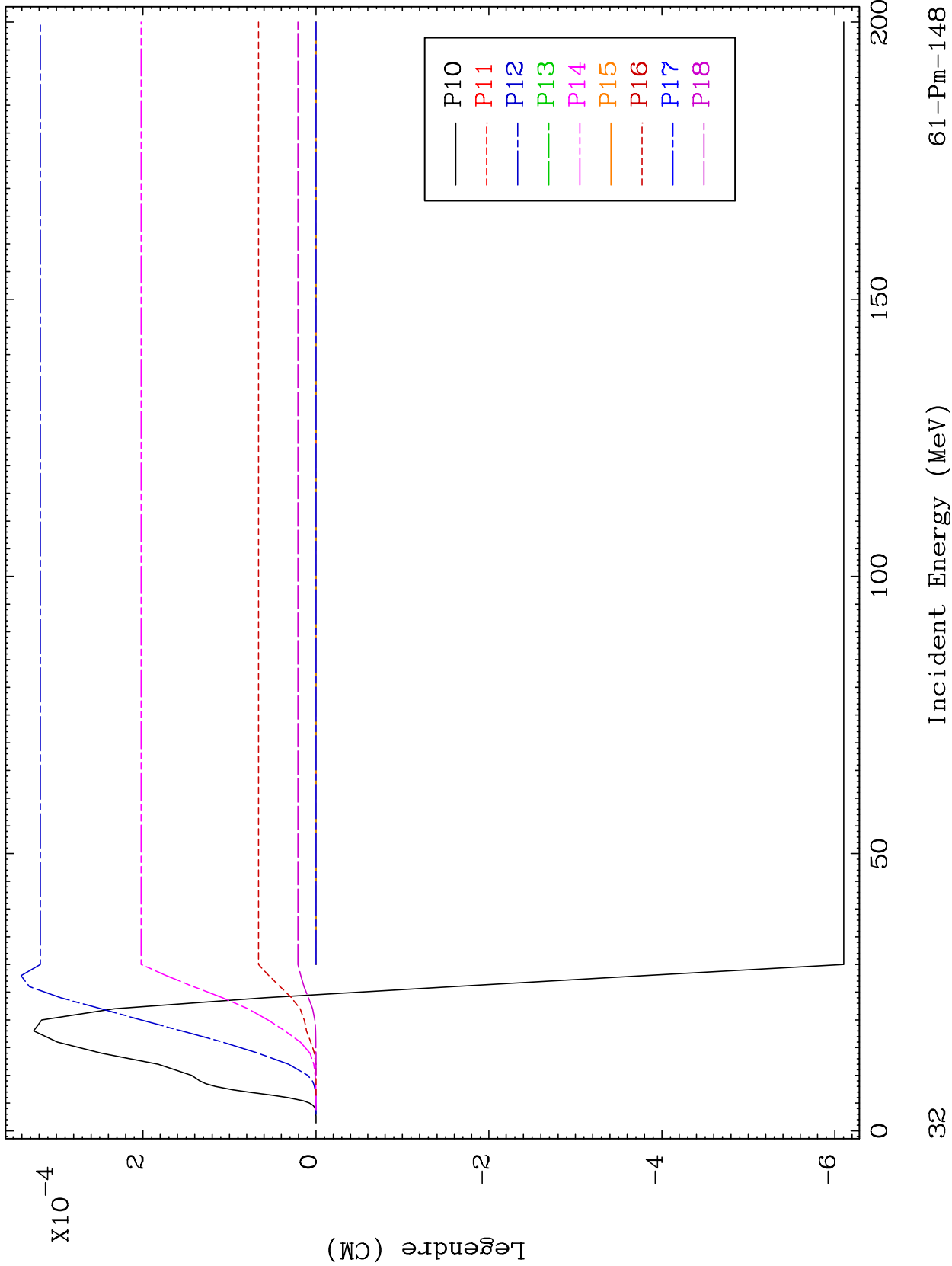




MAT 6152

215.3 keV (n,n') Level
Legendre Coefficients

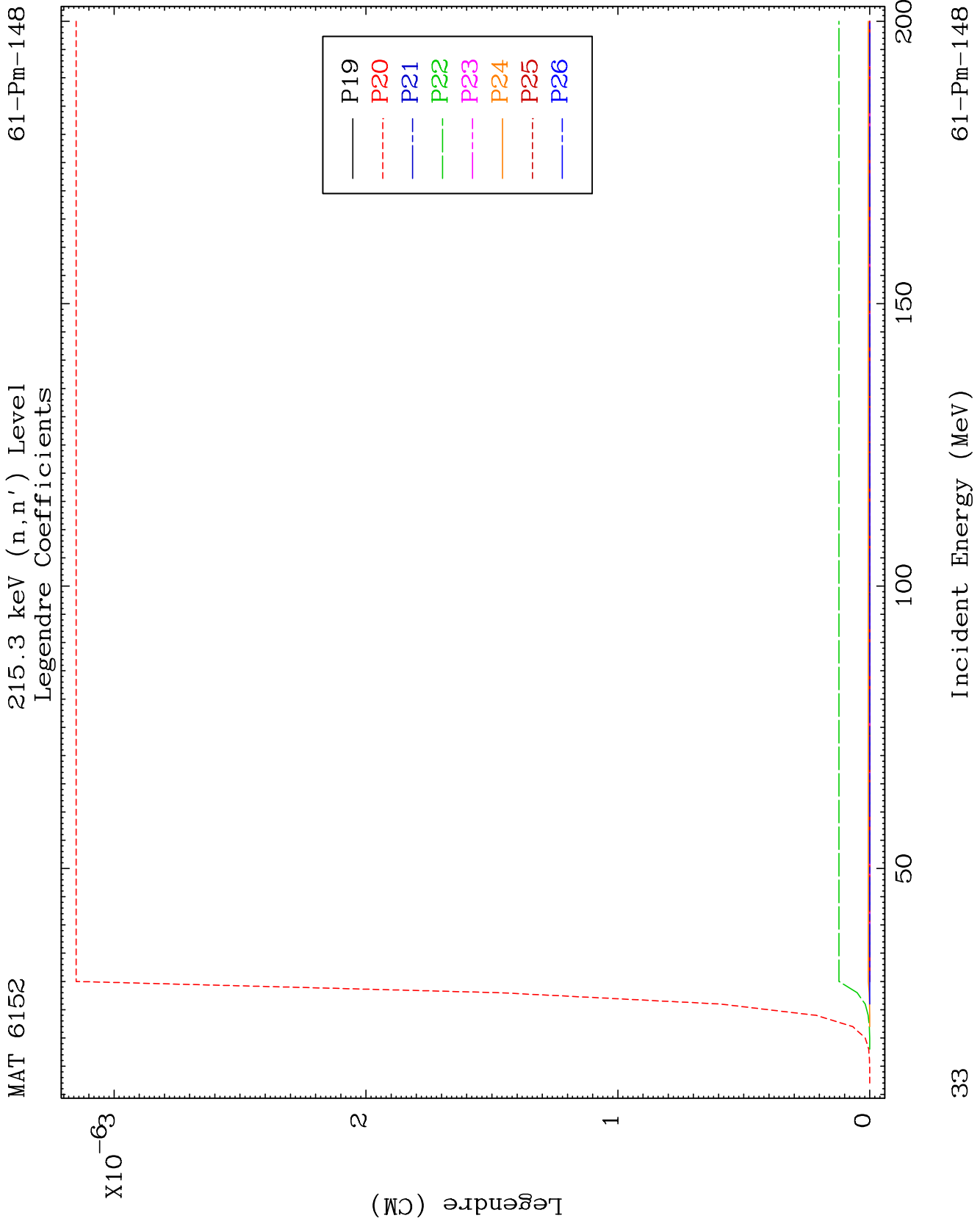
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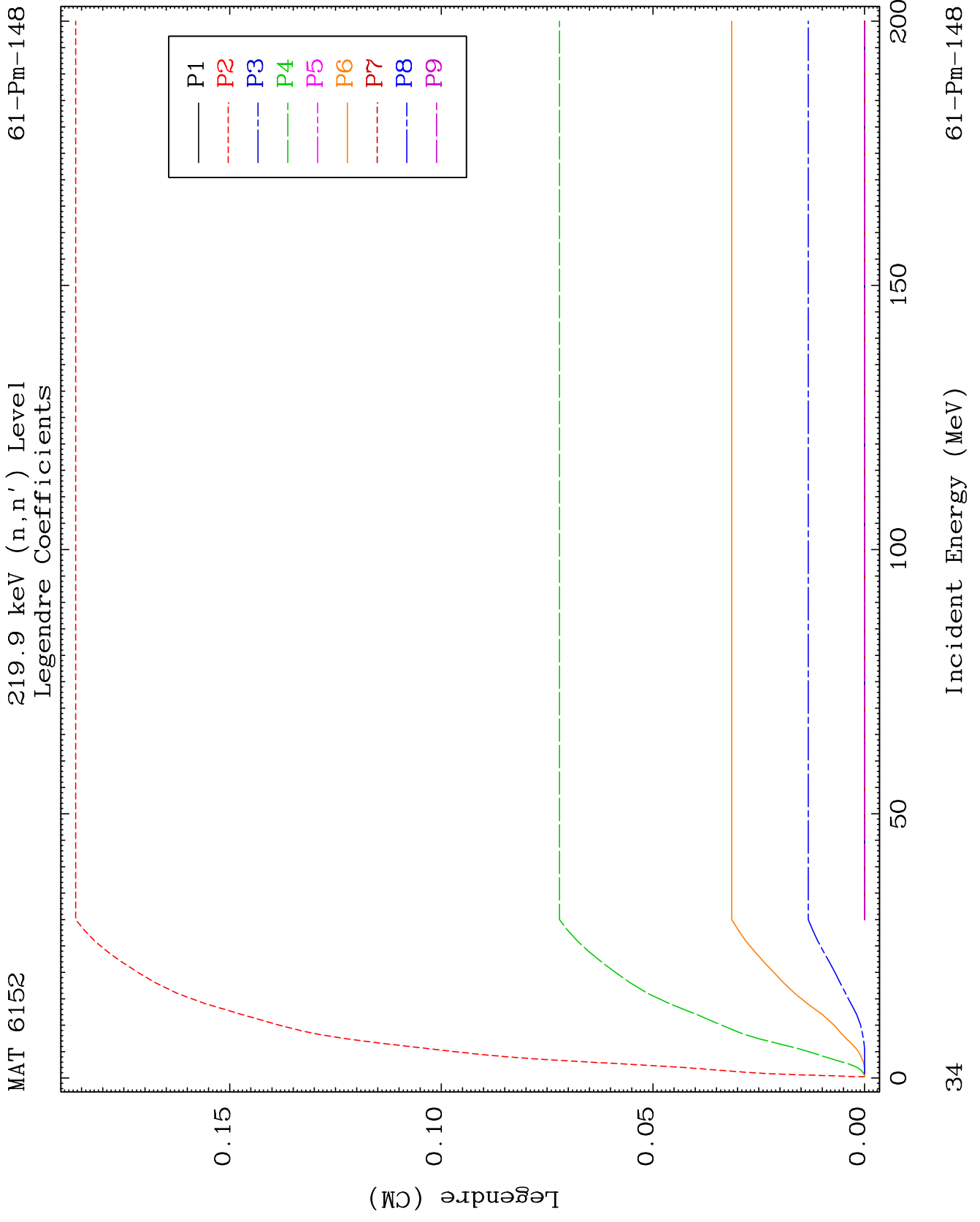


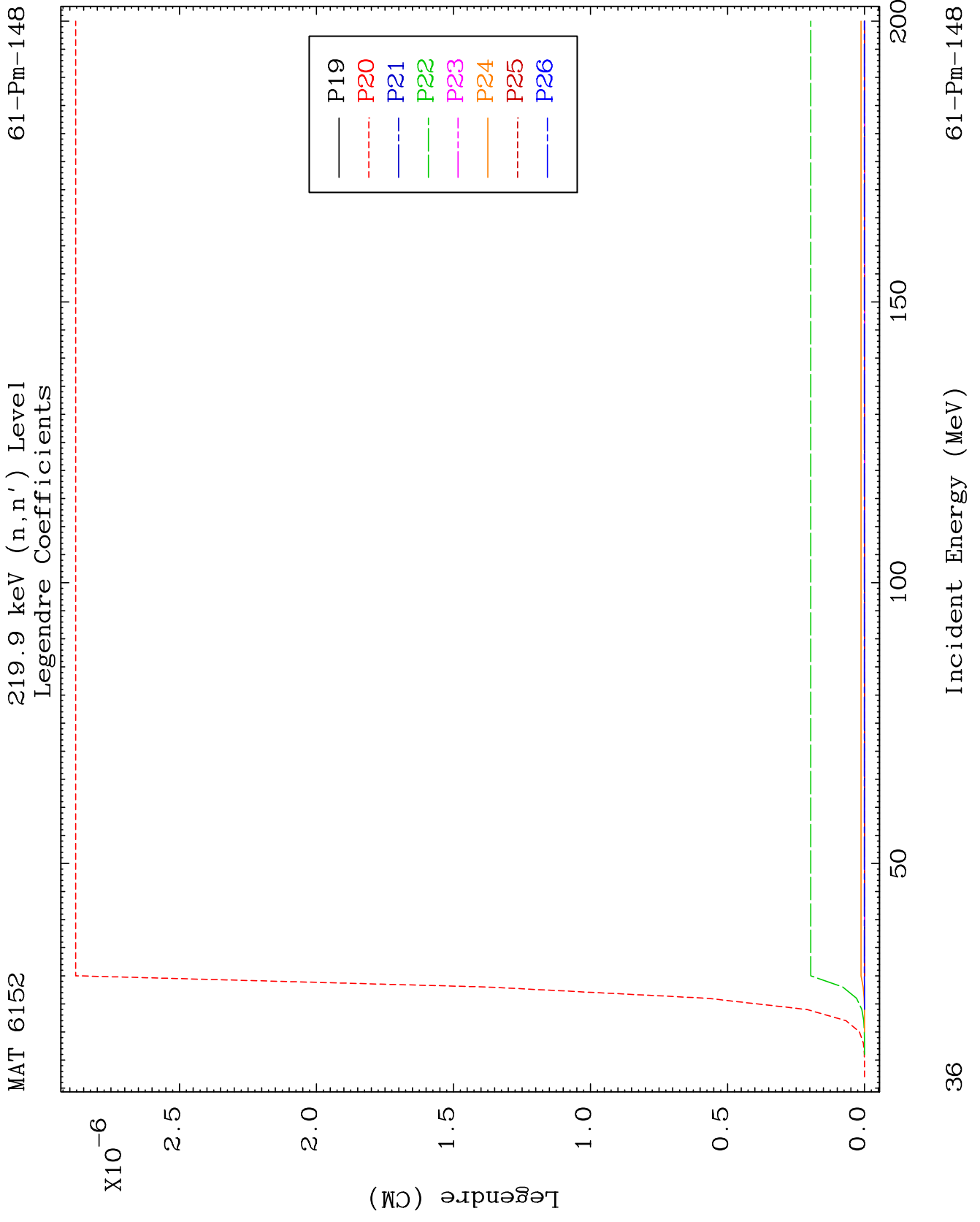
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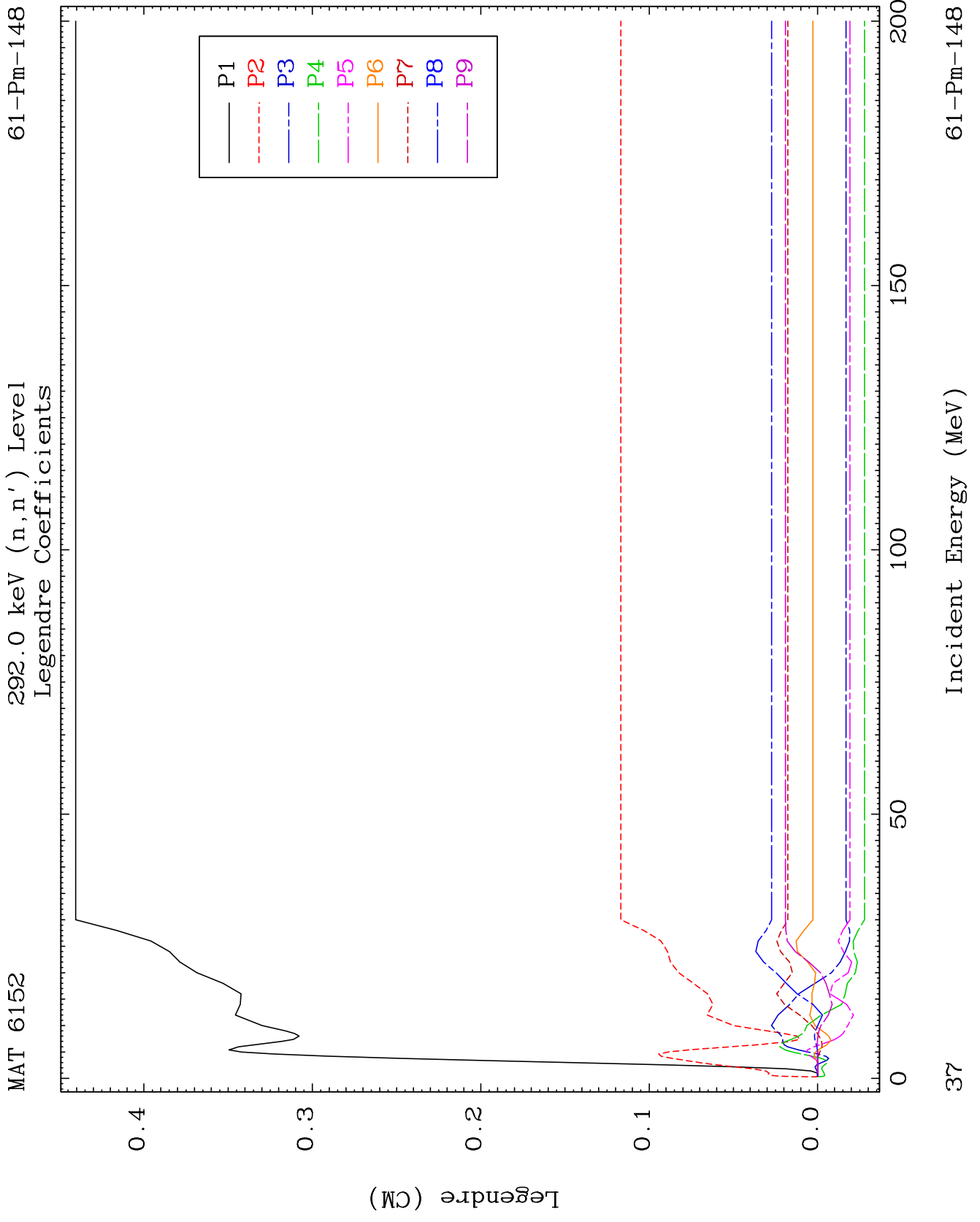
Incident Energy (MeV)

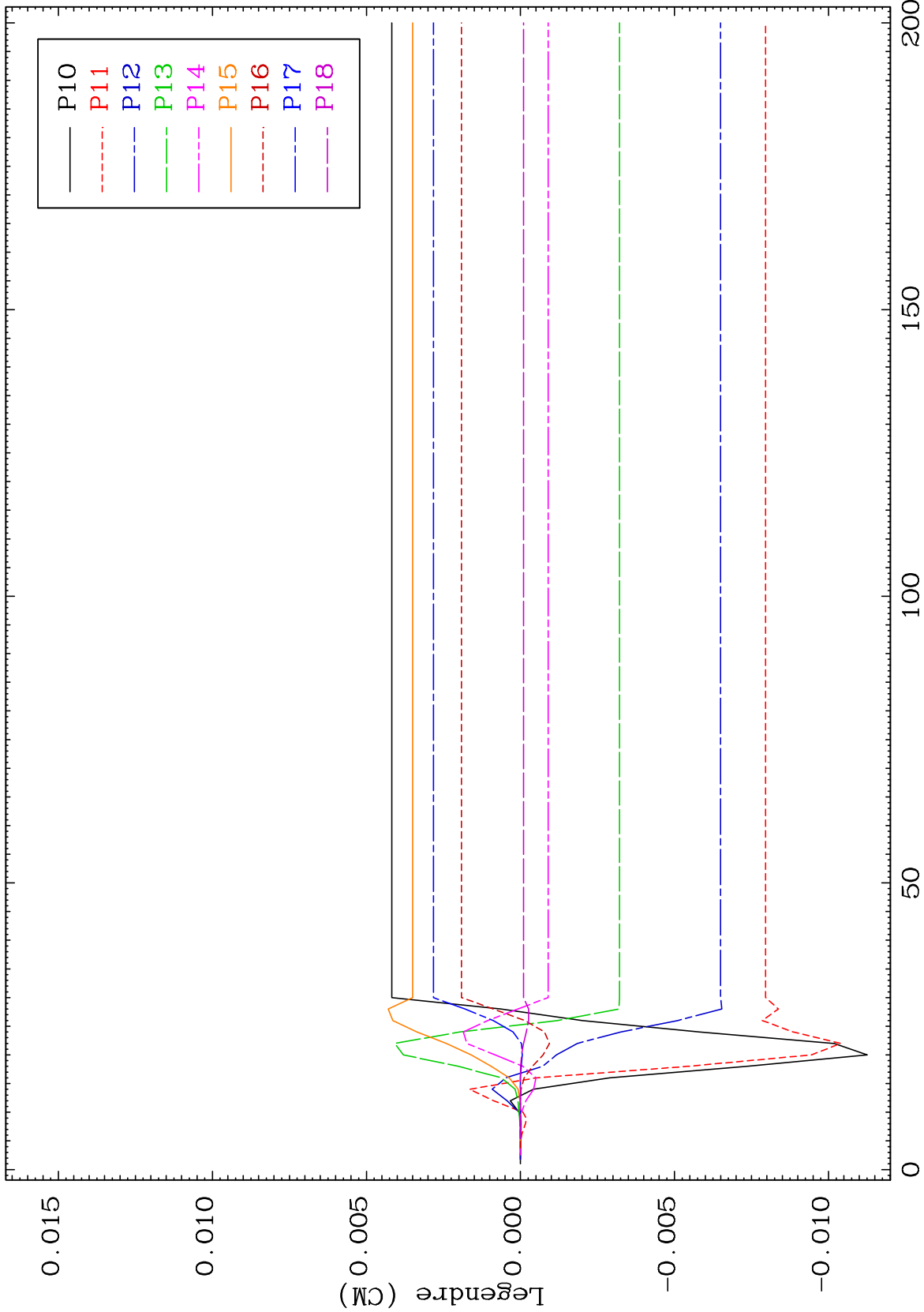
32

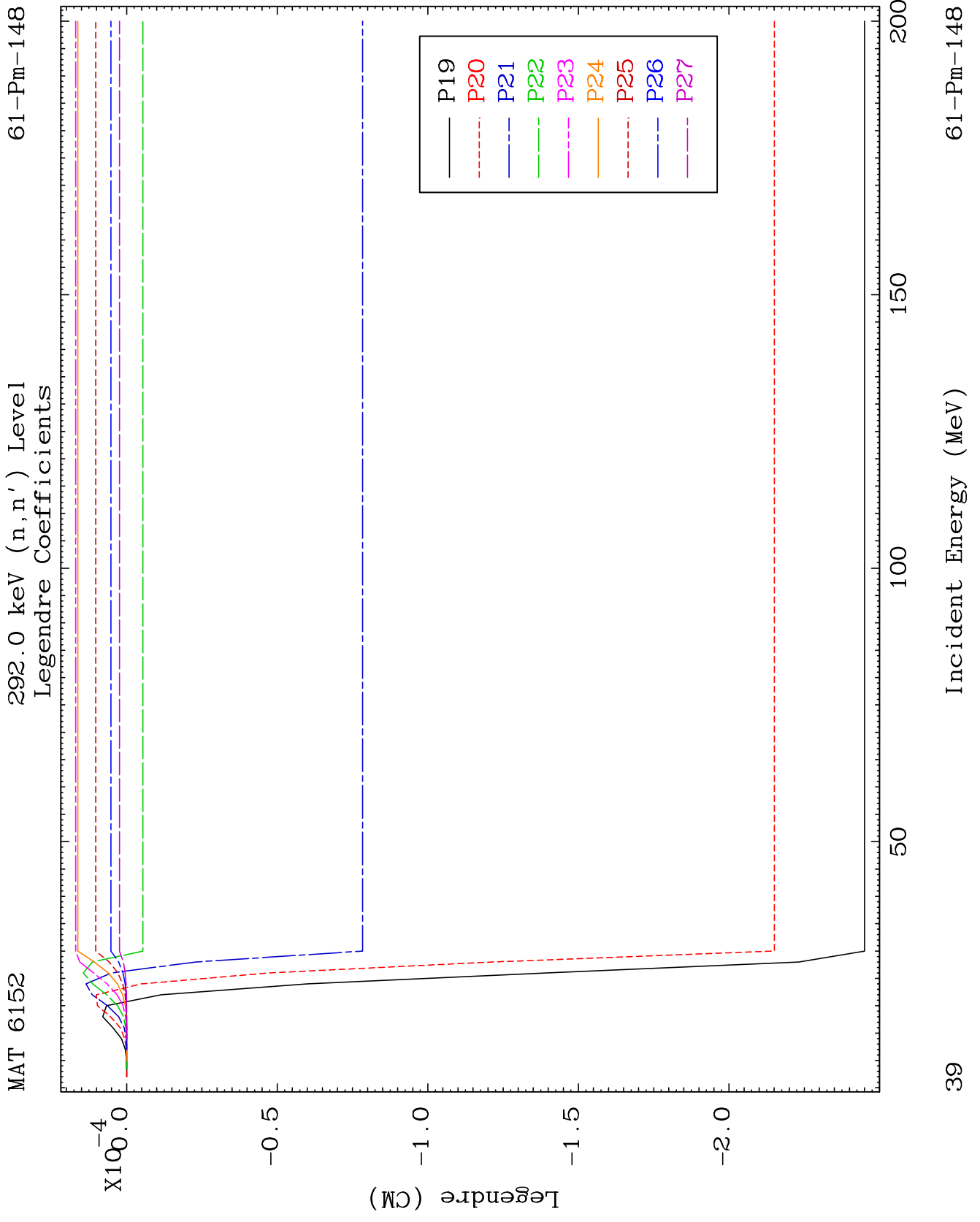








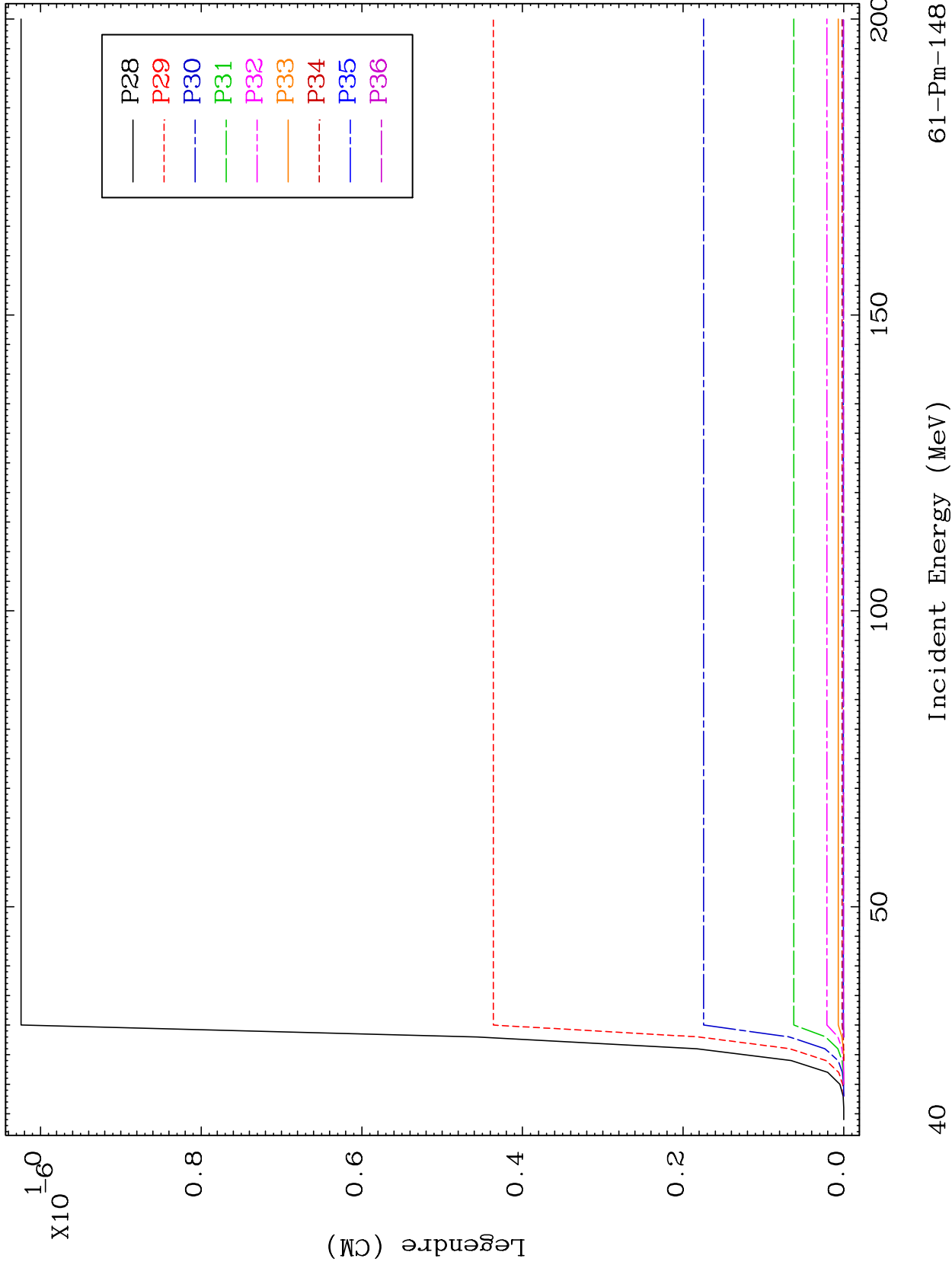




MAT 6152

292.0 keV (n,n') Level
Legendre Coefficients

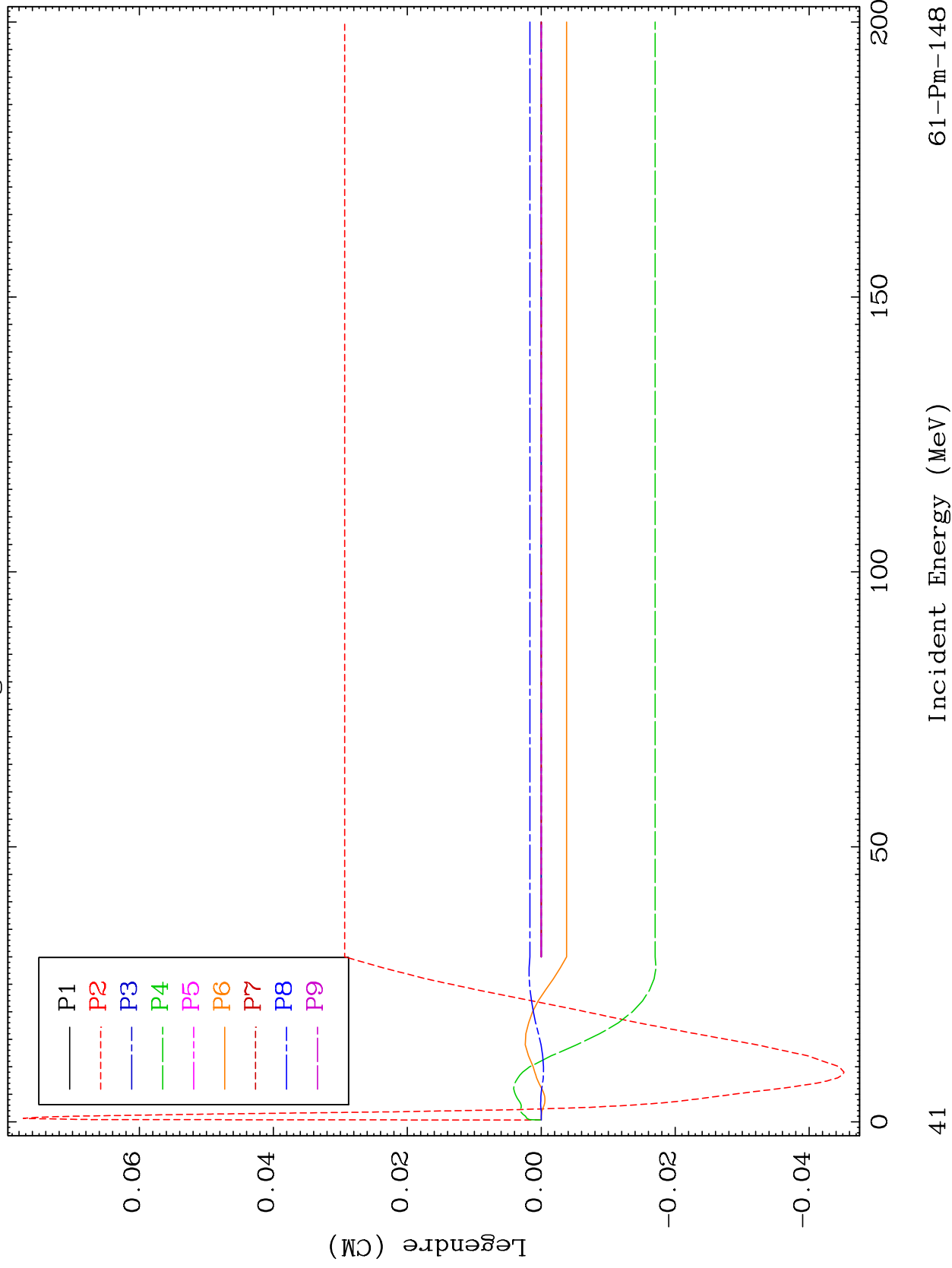
61-Pm-148



MAT 6152

302.9 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

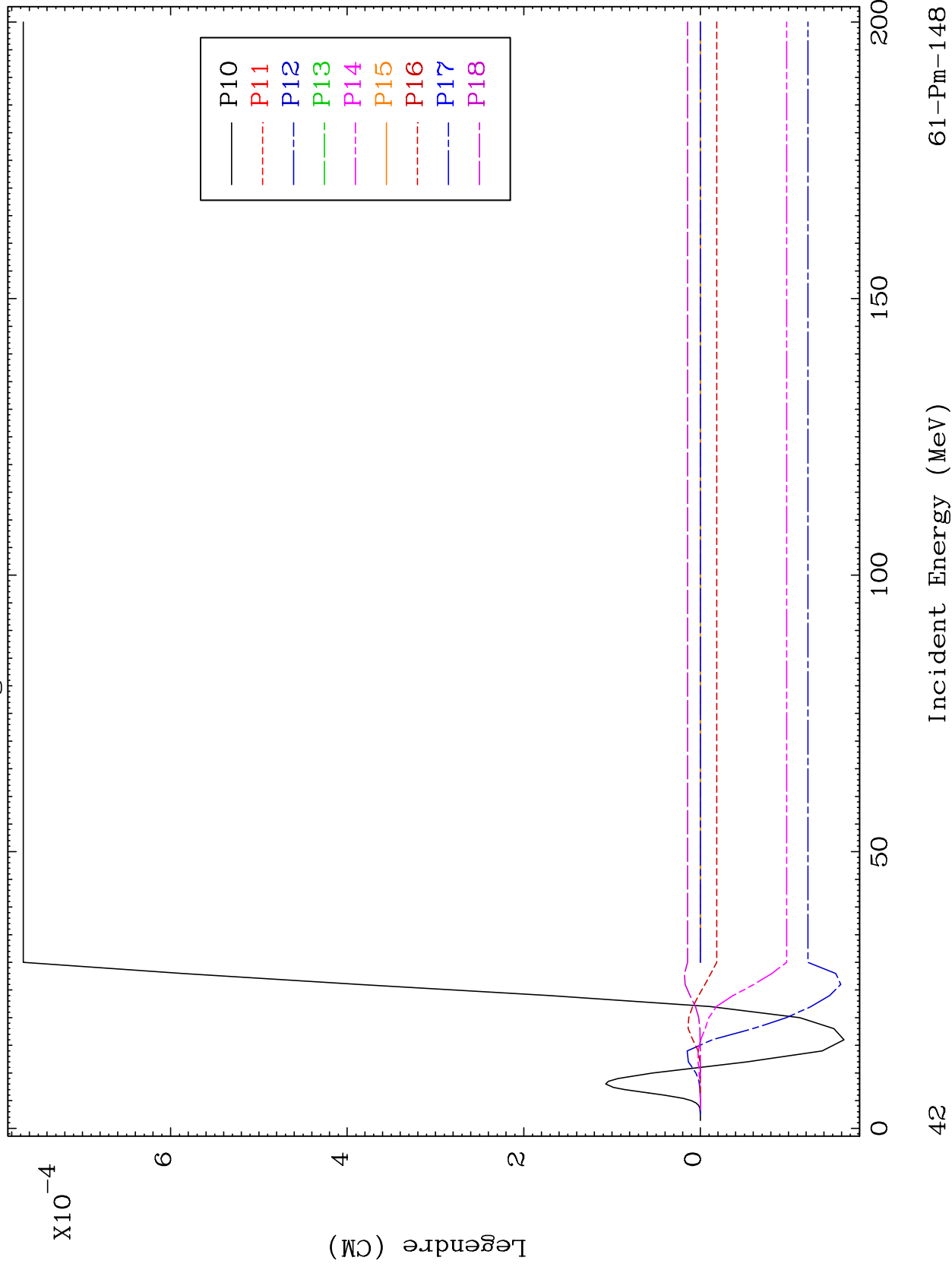
Incident Energy (MeV)

41

MAT 6152

302.9 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

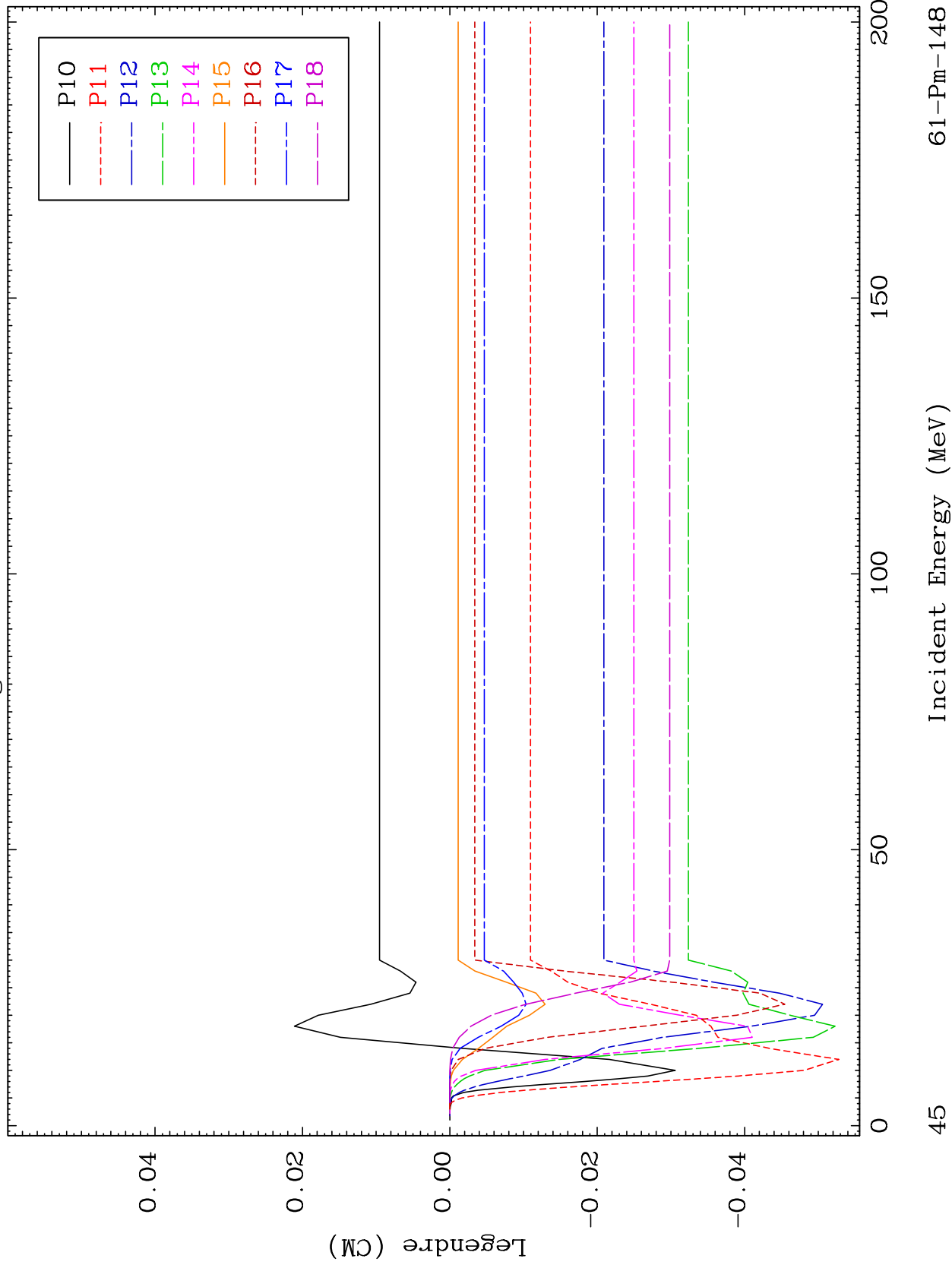
Incident Energy (MeV)

42

MAT 6152

304.7 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

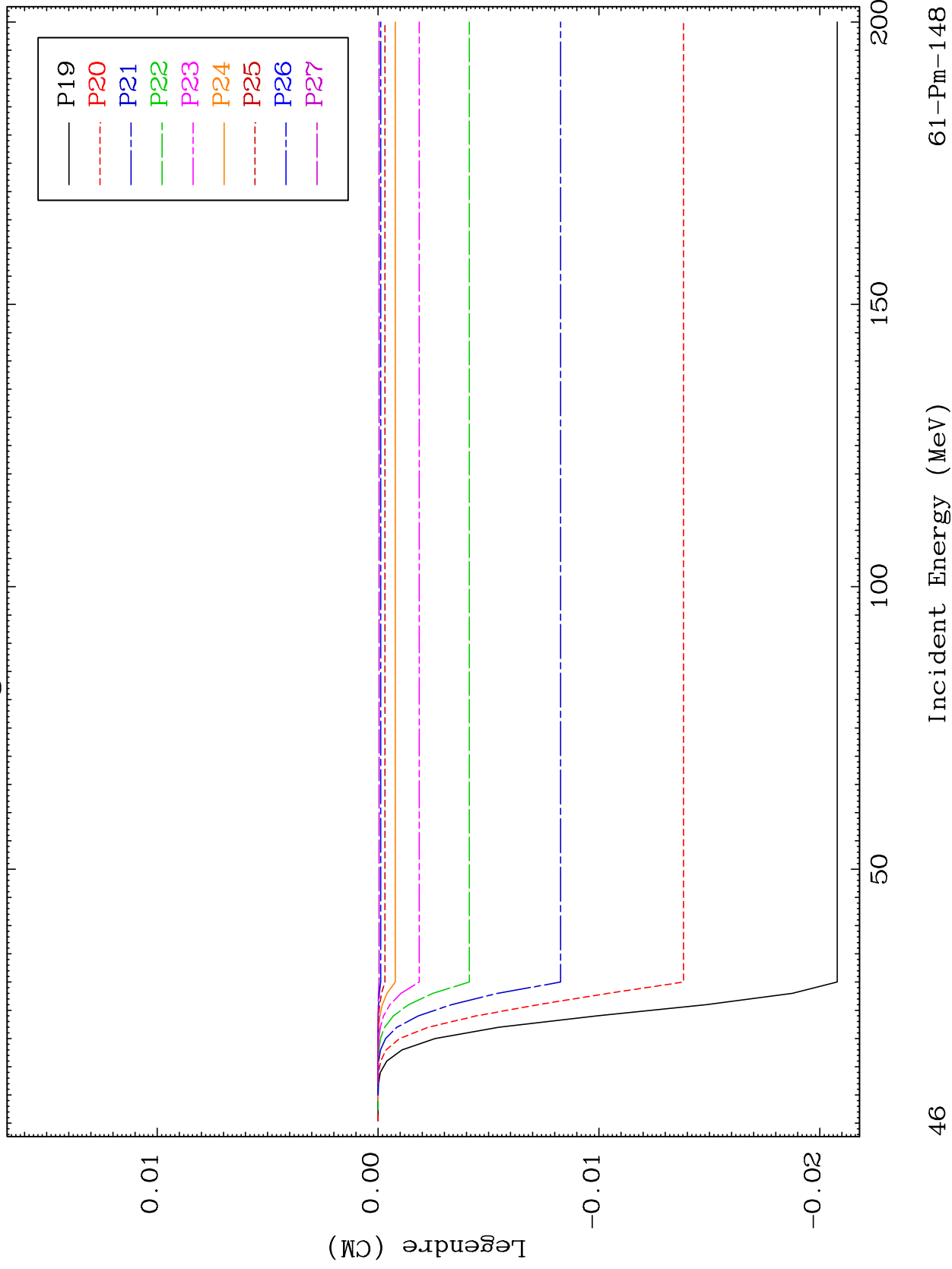
Incident Energy (MeV)

45

MAT 6152

304.7 keV (n,n') Level
Legendre Coefficients

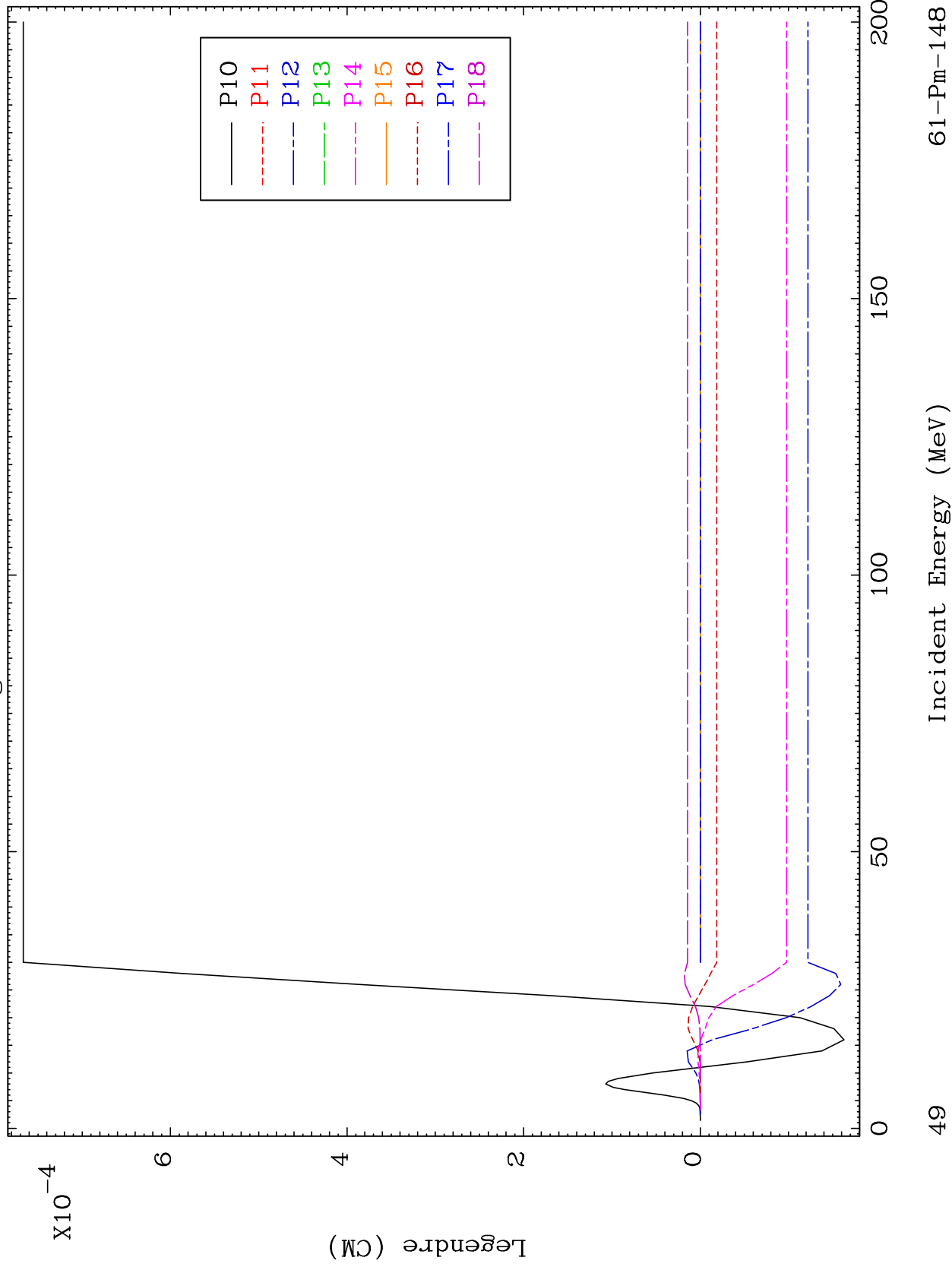
61-Pm-148



MAT 6152

308.9 keV (n, n') Level
Legendre Coefficients

61-Pm-148



49

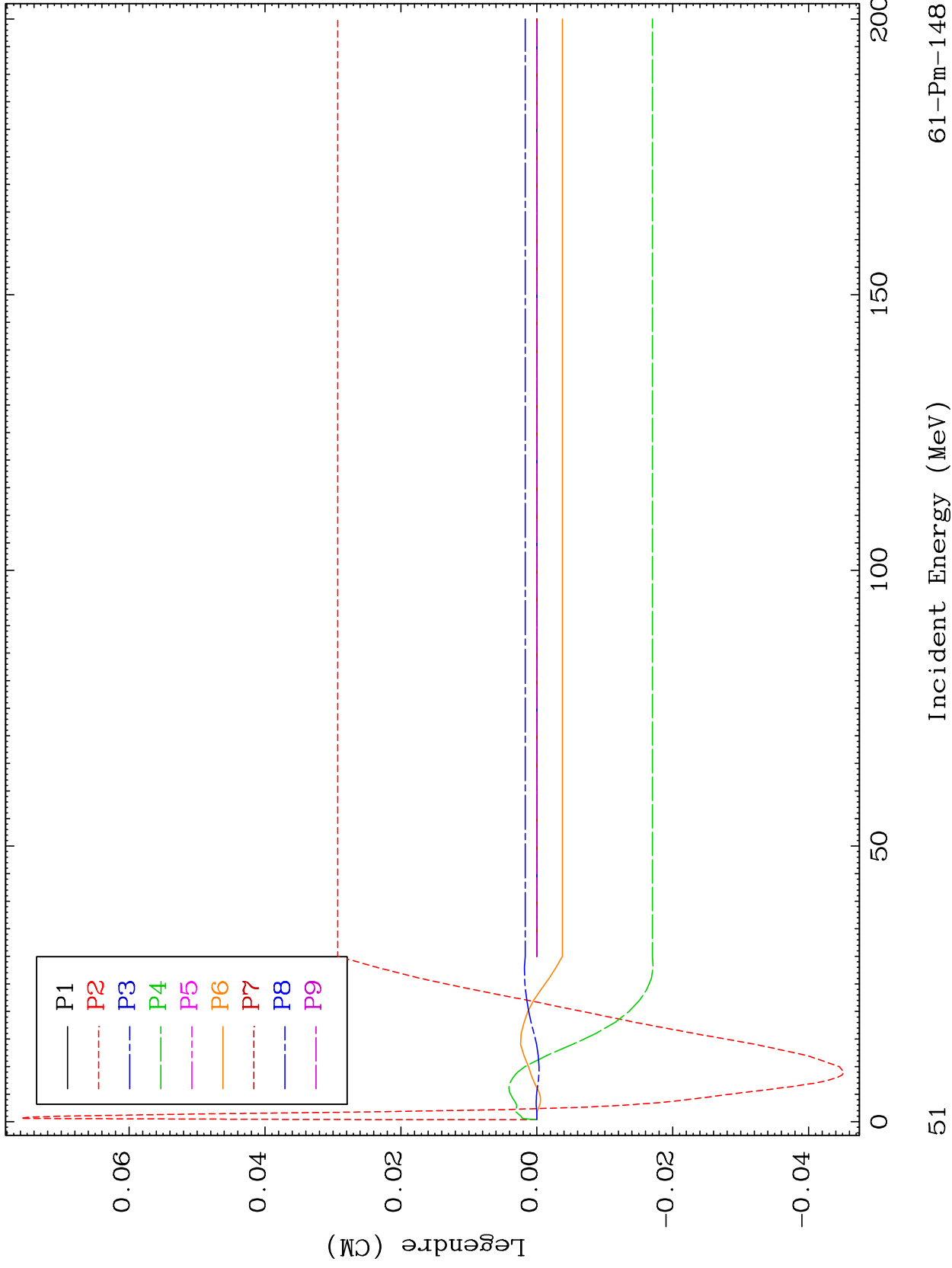
Incident Energy (MeV)

61-Pm-148

MAT 6152

363.4 keV (n,n') Level
Legendre Coefficients

61-Pm-148

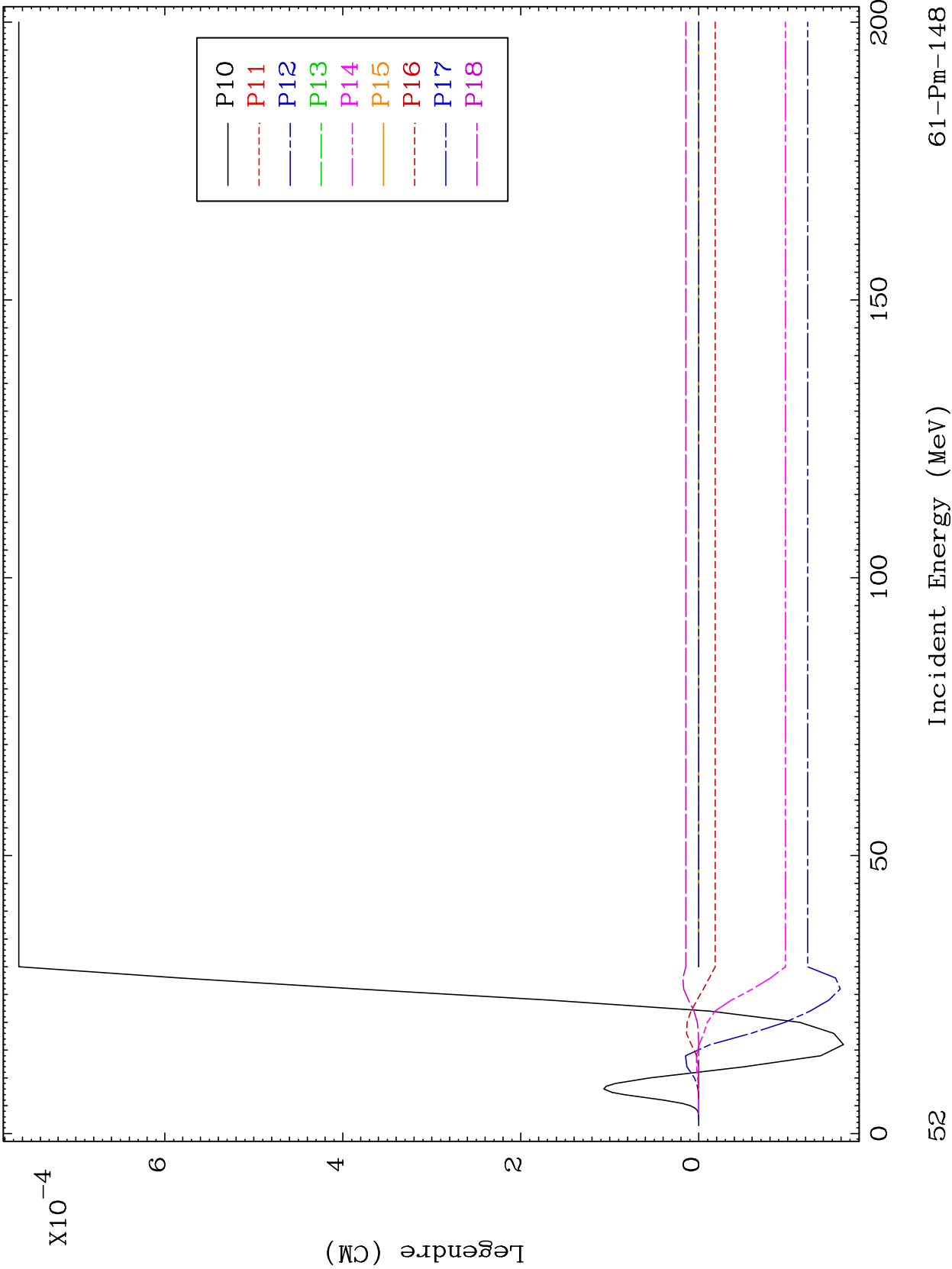


51

MAT 6152

363.4 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

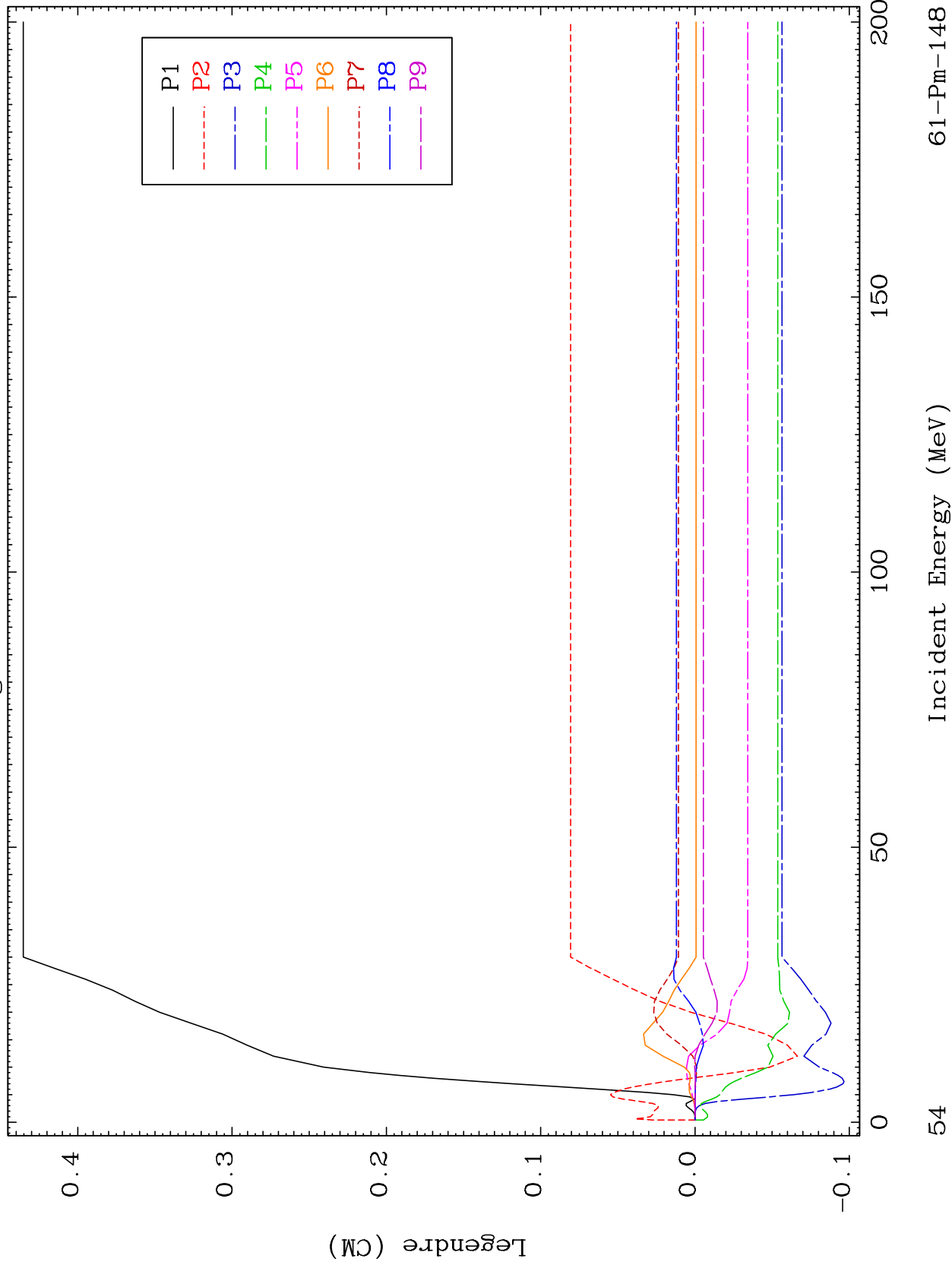
Incident Energy (MeV)

52

MAT 6152

379.7 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

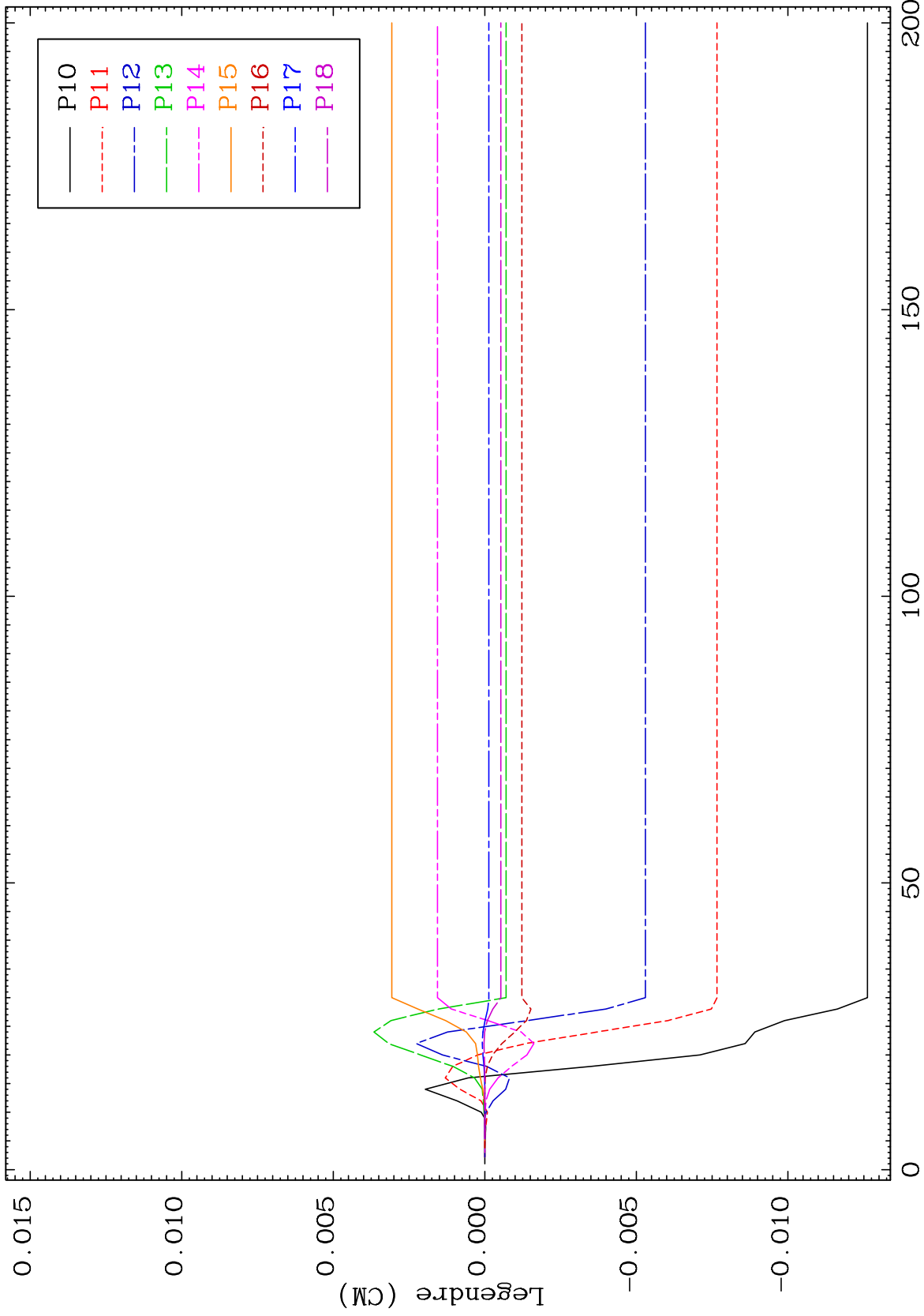
Incident Energy (MeV)

54

MAT 6152

379.7 keV (n,n') Level
Legendre Coefficients

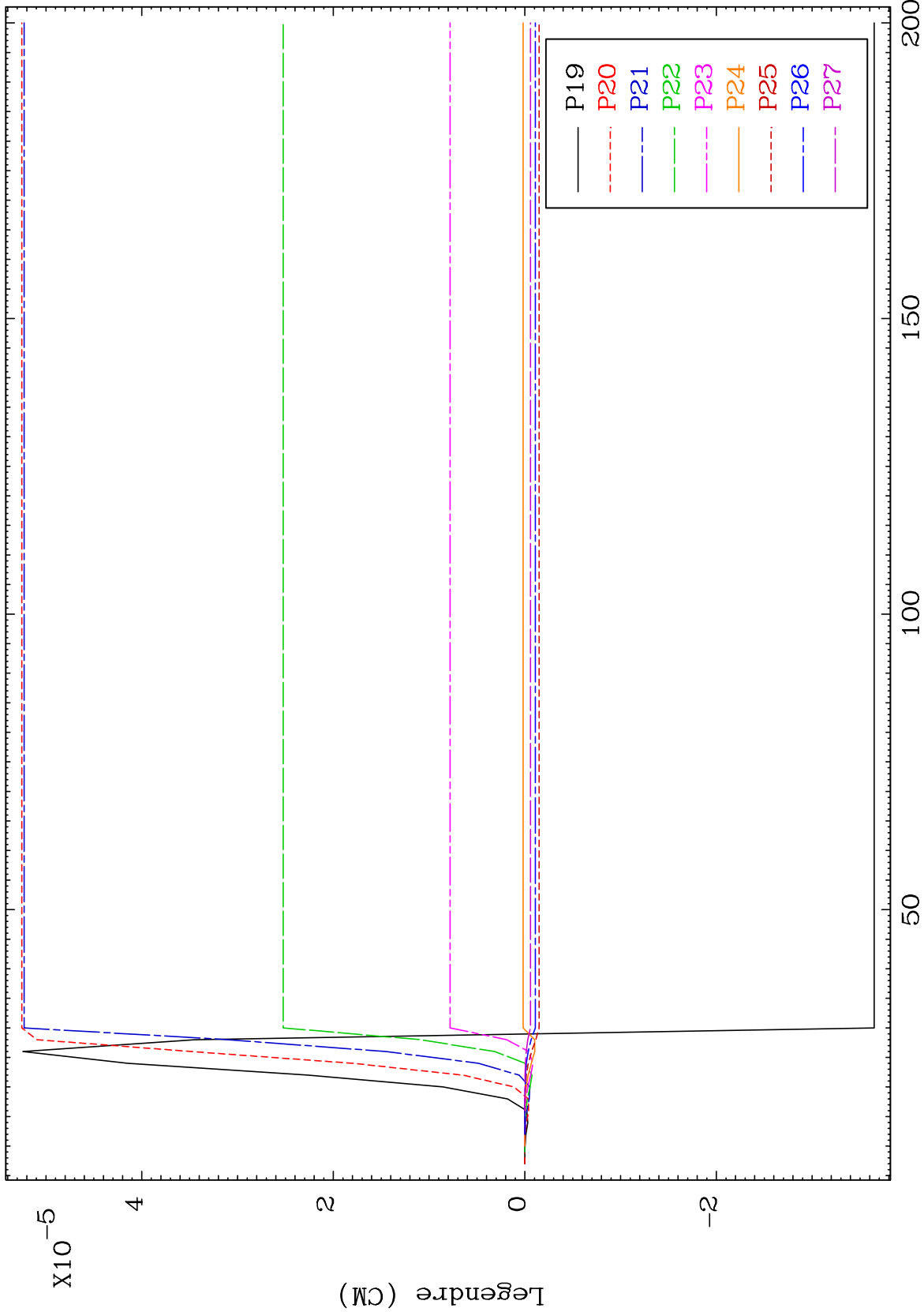
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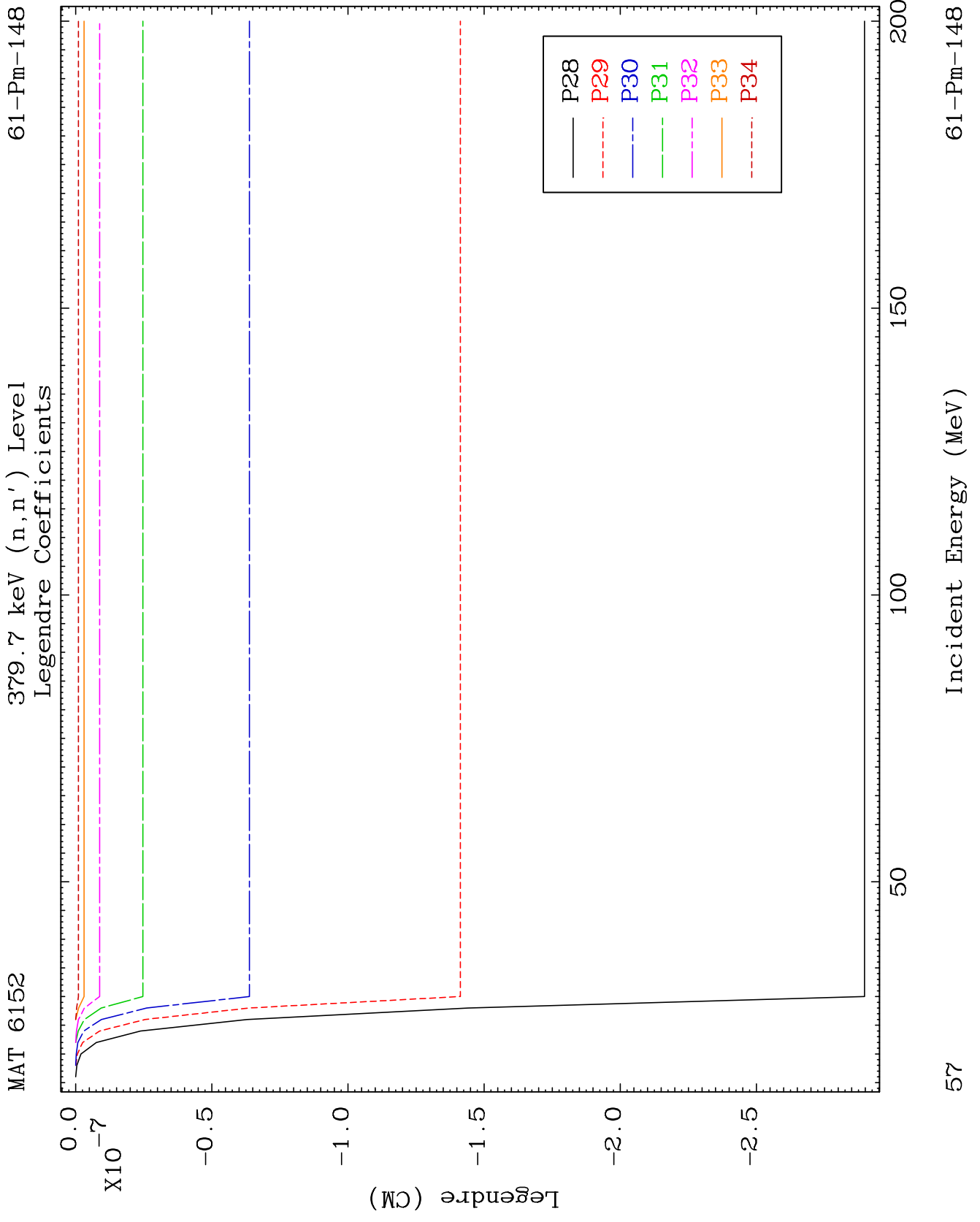


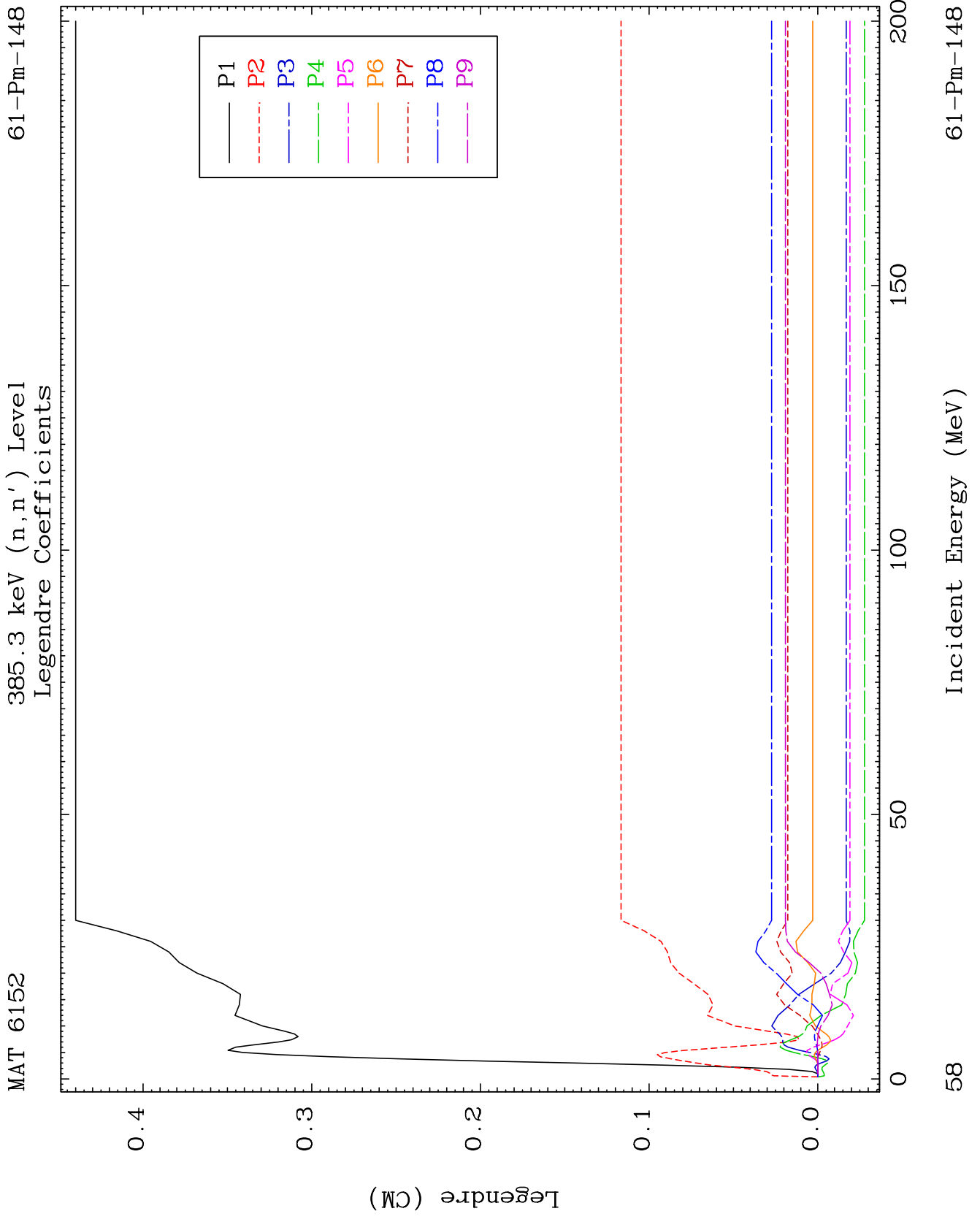
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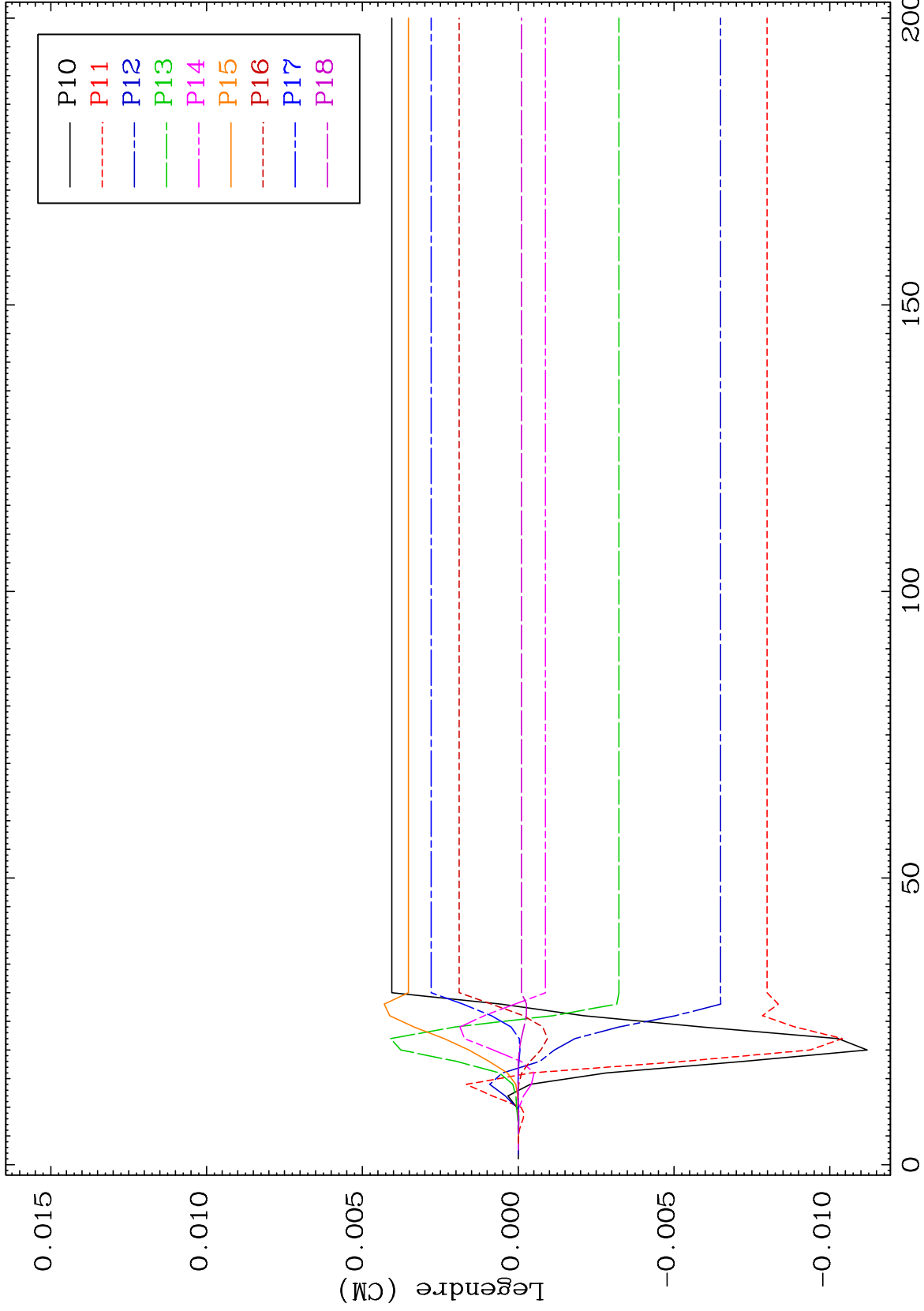
Incident Energy (MeV)

61-Pm-148





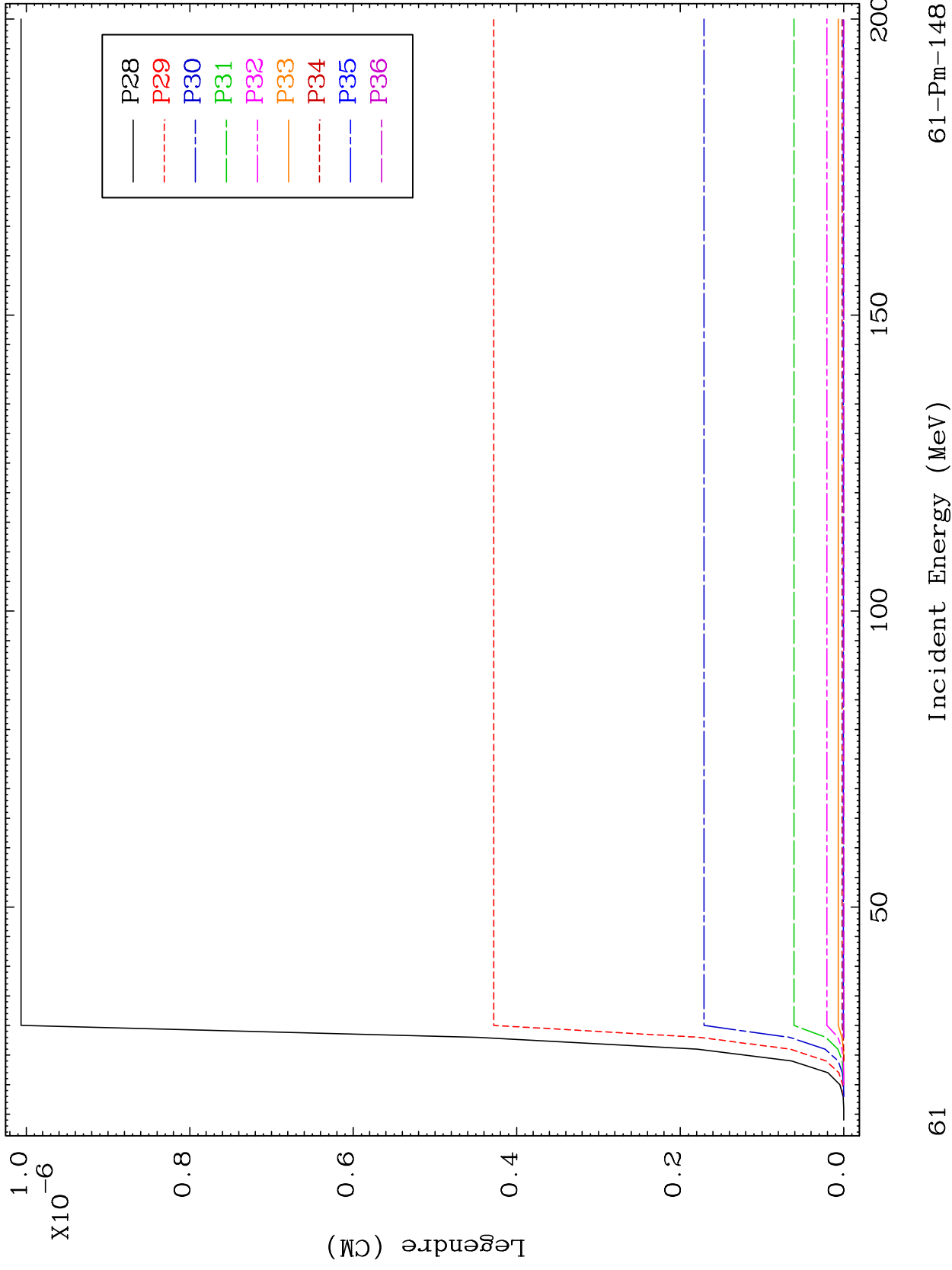




MAT 6152

385.3 keV (n,n') Level
Legendre Coefficients

61-Pm-148



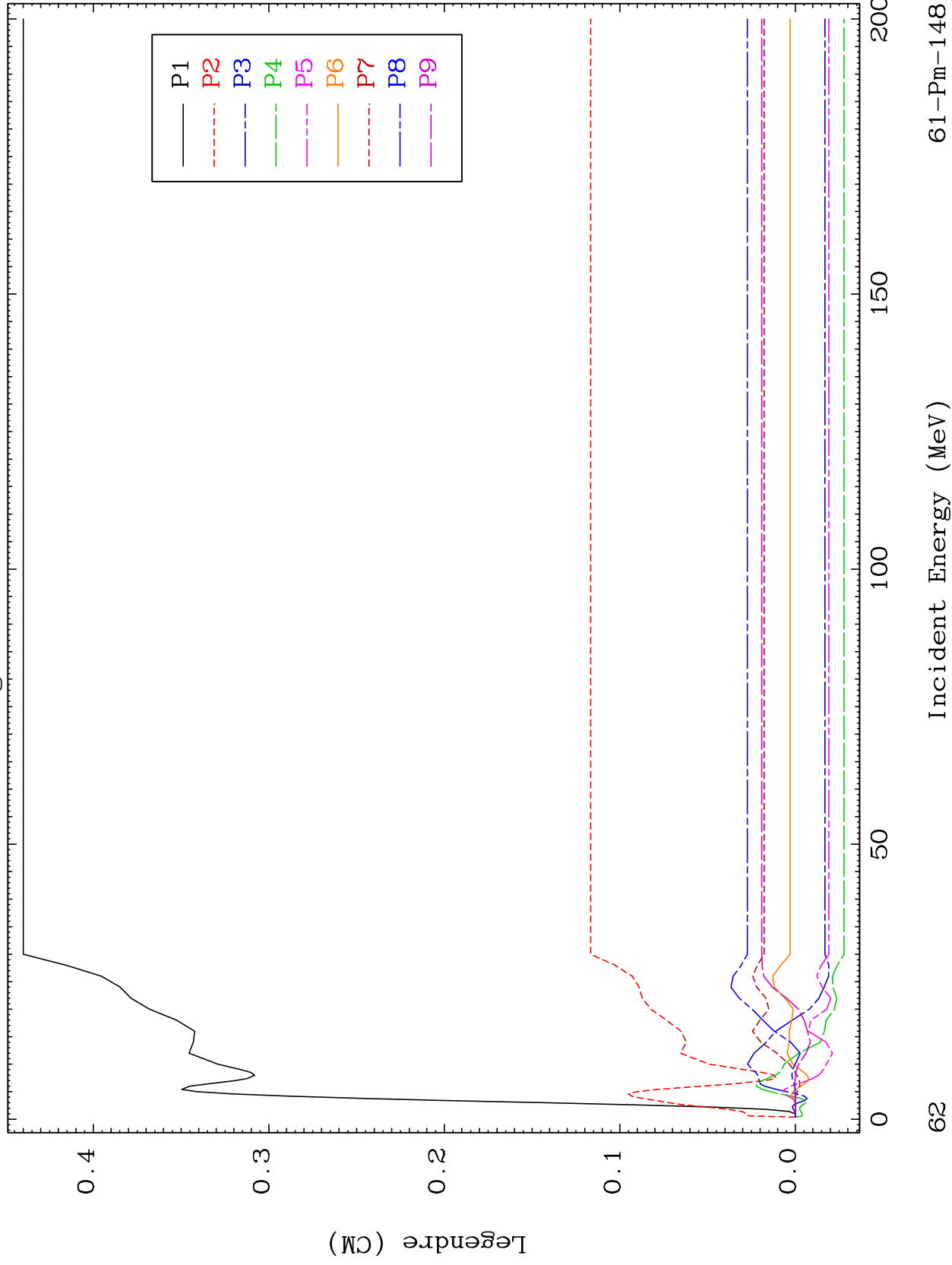
61

61-Pm-148

MAT 6152

388.1 keV (n,n') Level
Legendre Coefficients

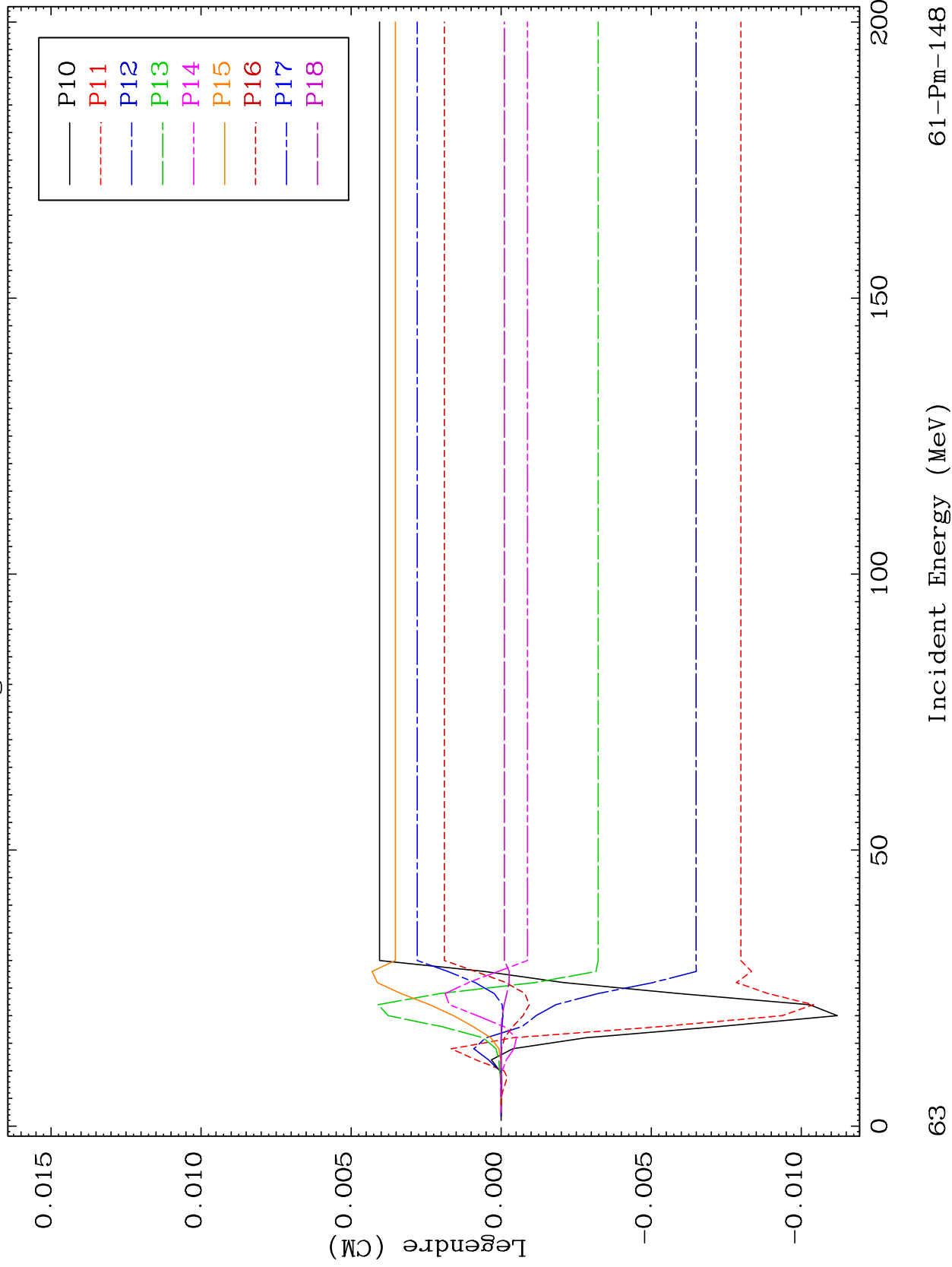
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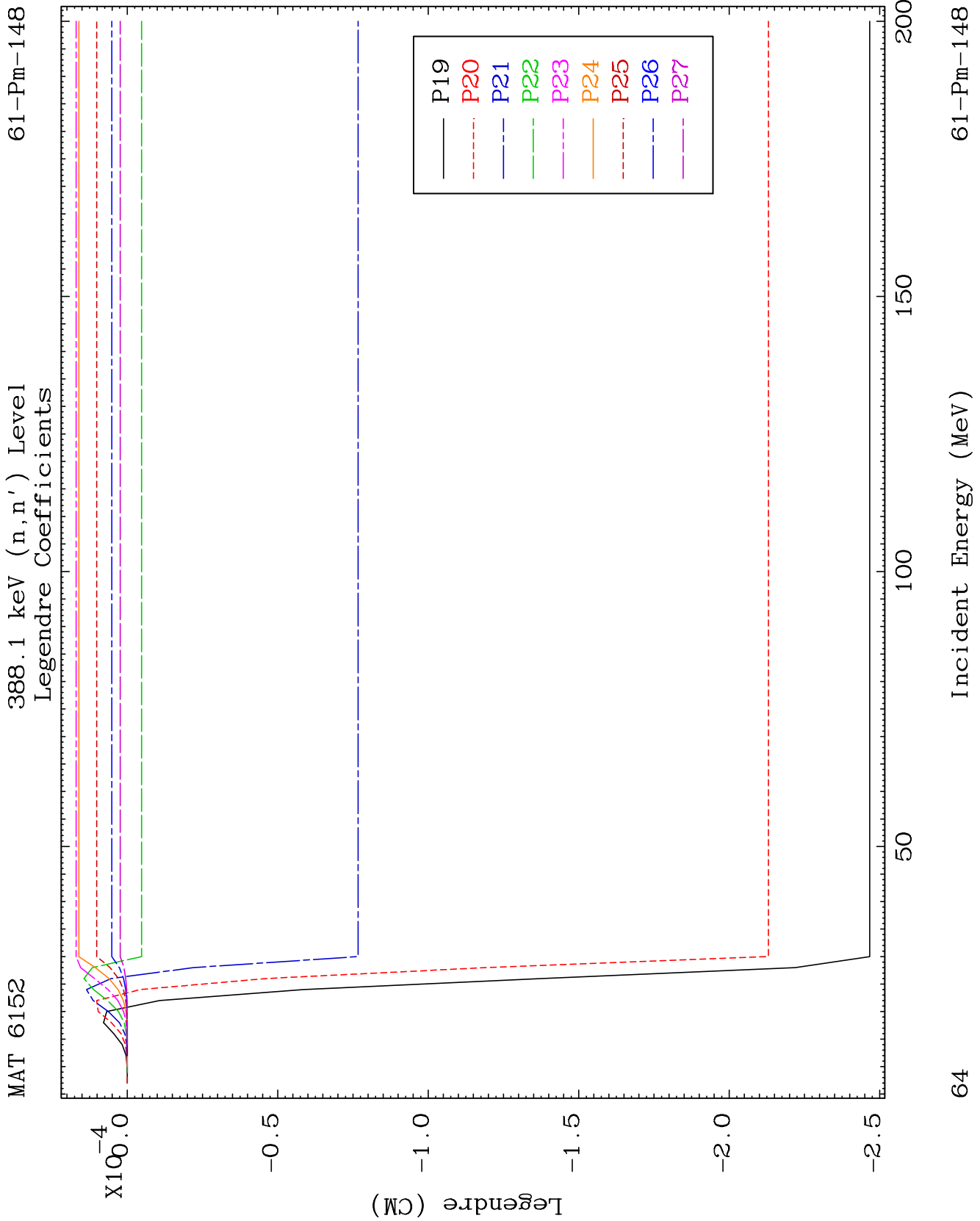


61-Pm-148

Incident Energy (MeV)

62

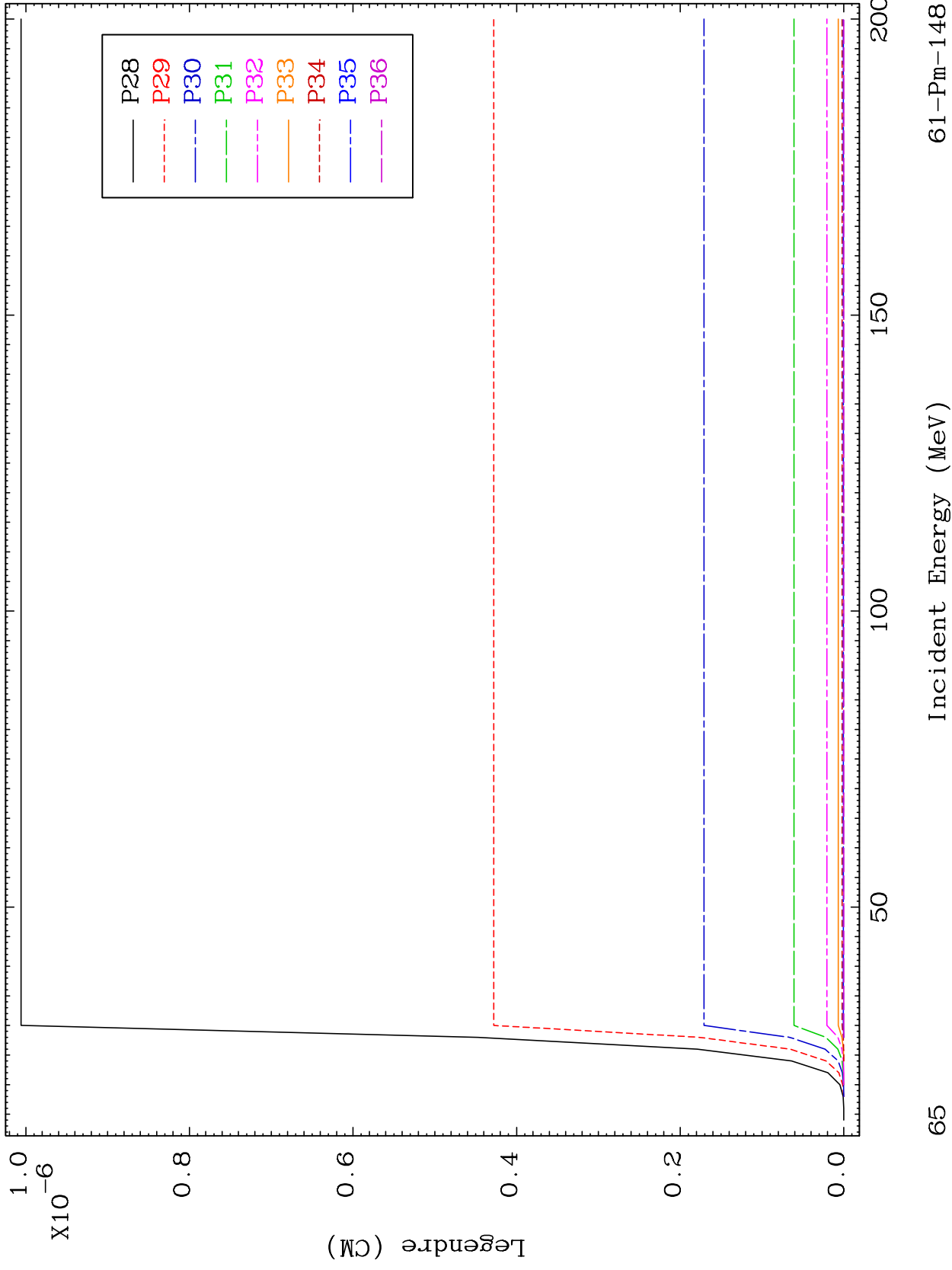




MAT 6152

388.1 keV (n,n') Level
Legendre Coefficients

61-Pm-148



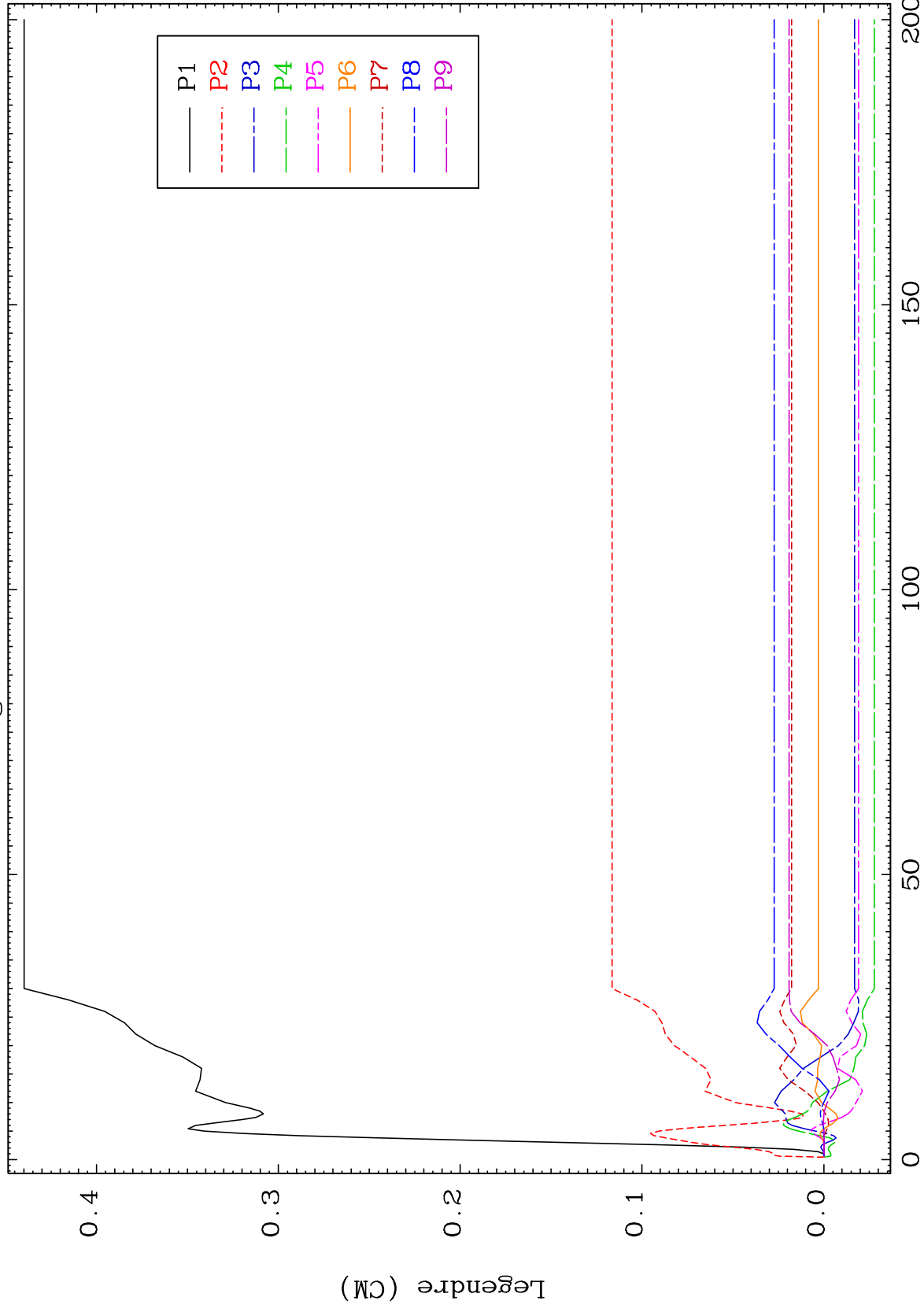
65

61-Pm-148

MAT 6152

409.6 keV (n,n') Level
Legendre Coefficients

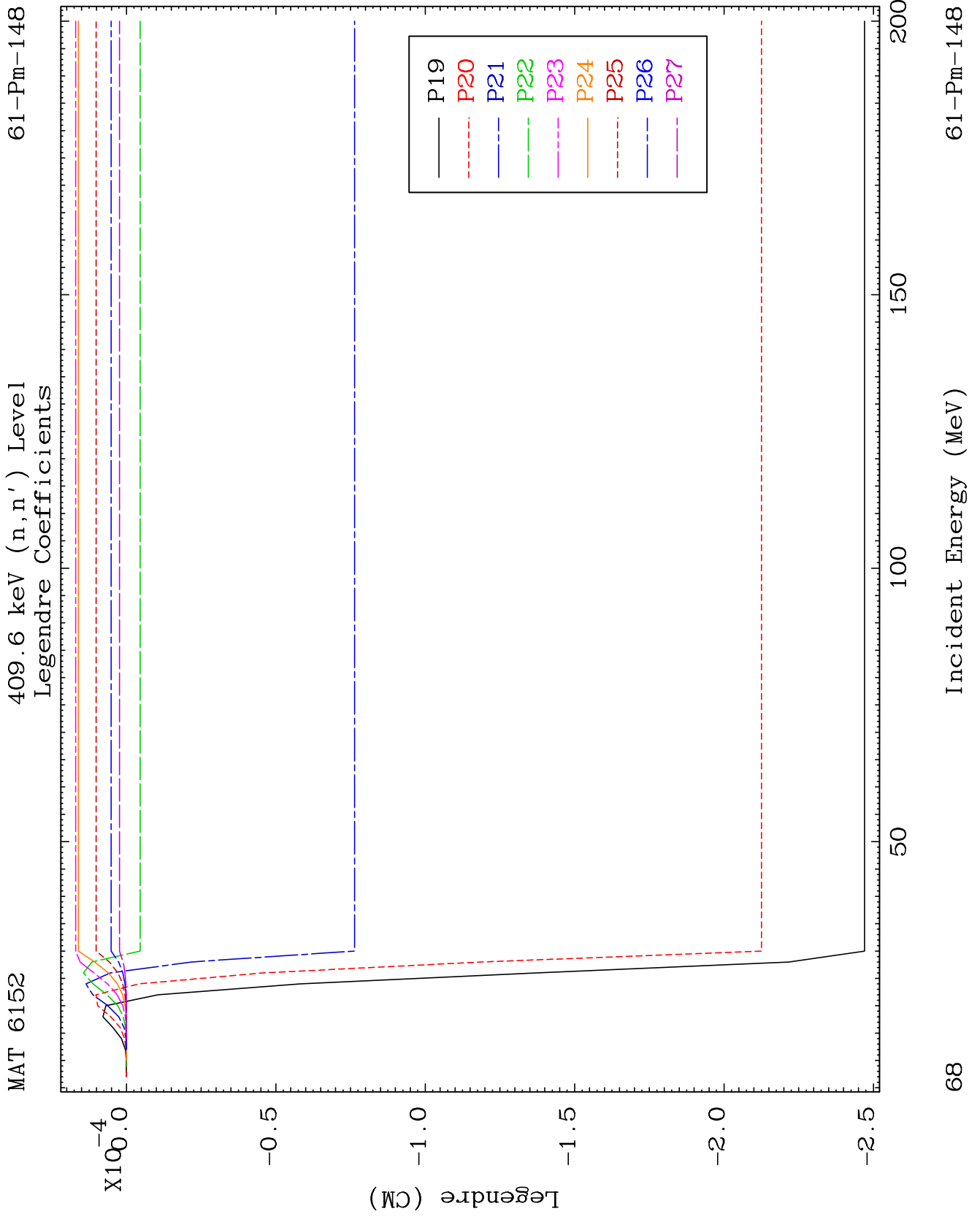
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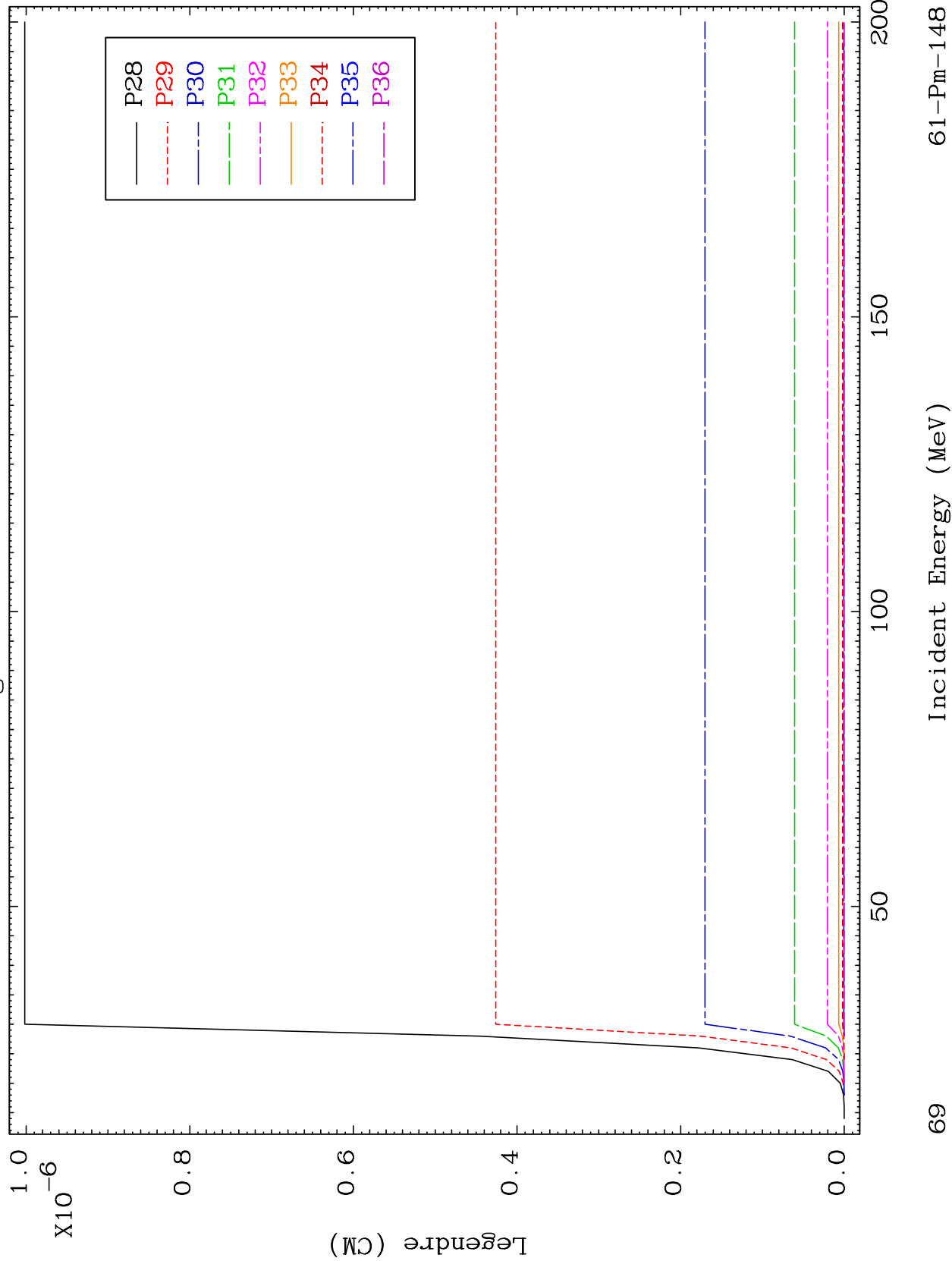


61-Pm-148

Incident Energy (MeV)

66

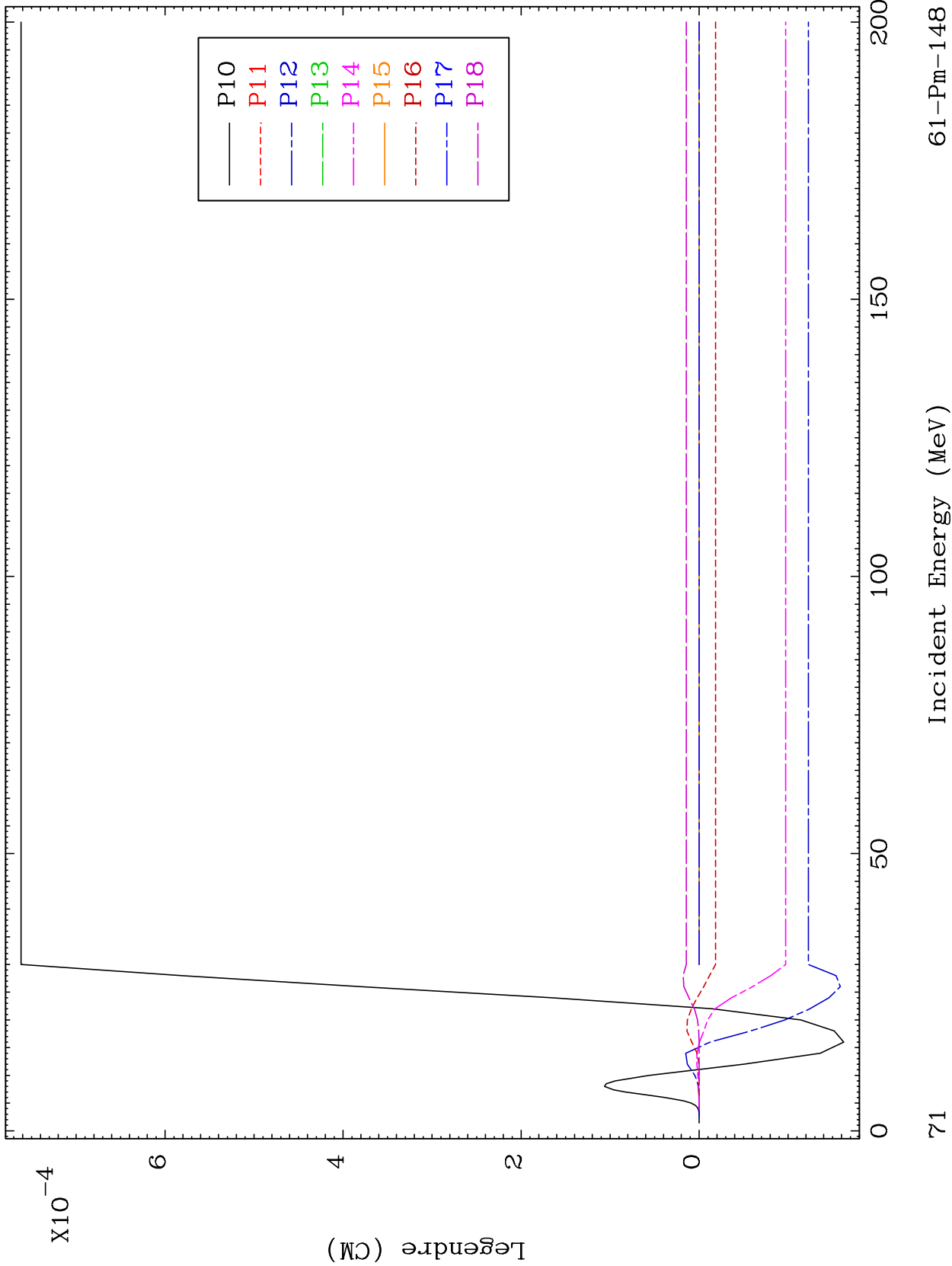




MAT 6152

413.5 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

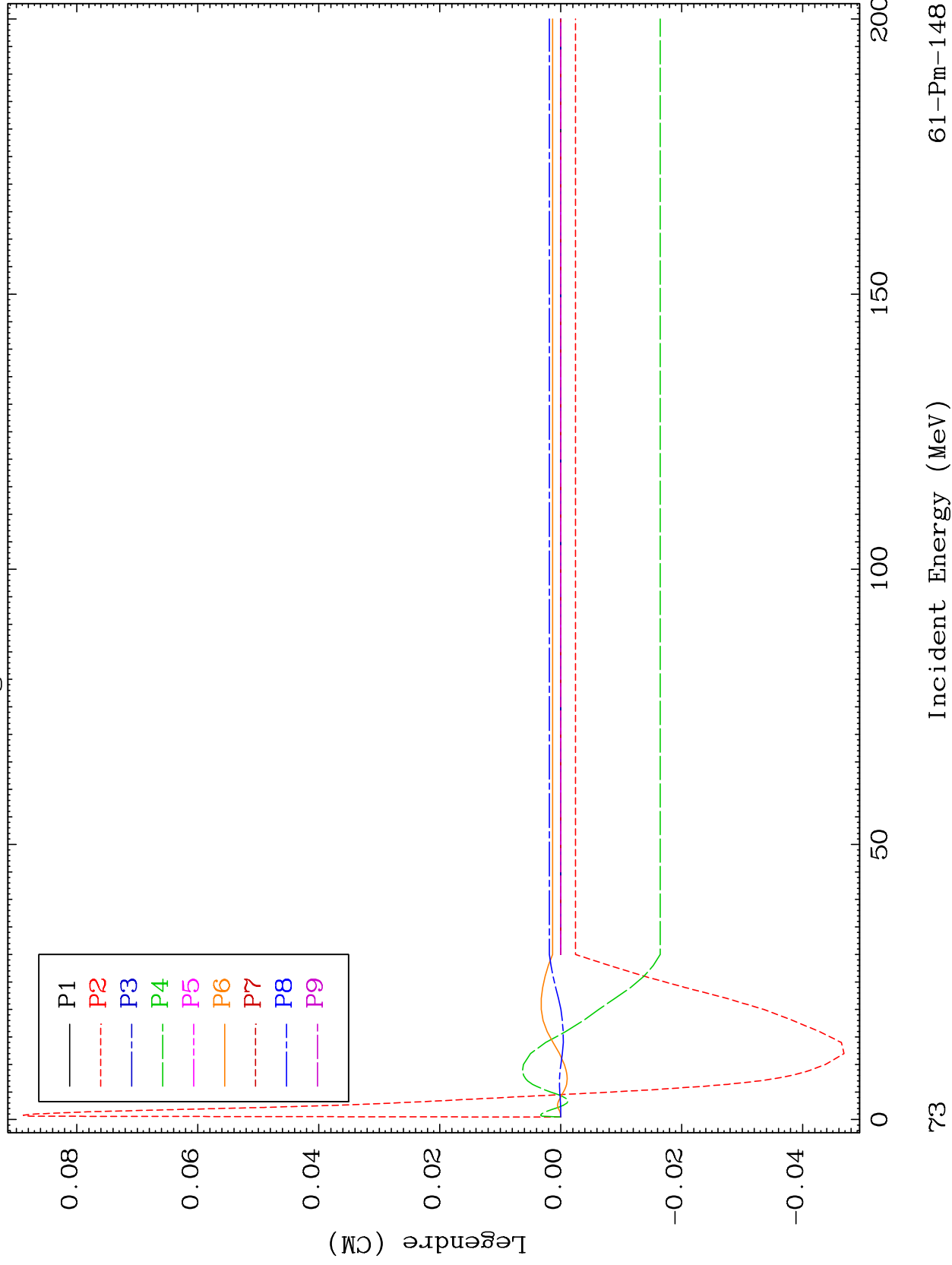
Incident Energy (MeV)

71

MAT 6152

440.1 keV (n,n') Level
Legendre Coefficients

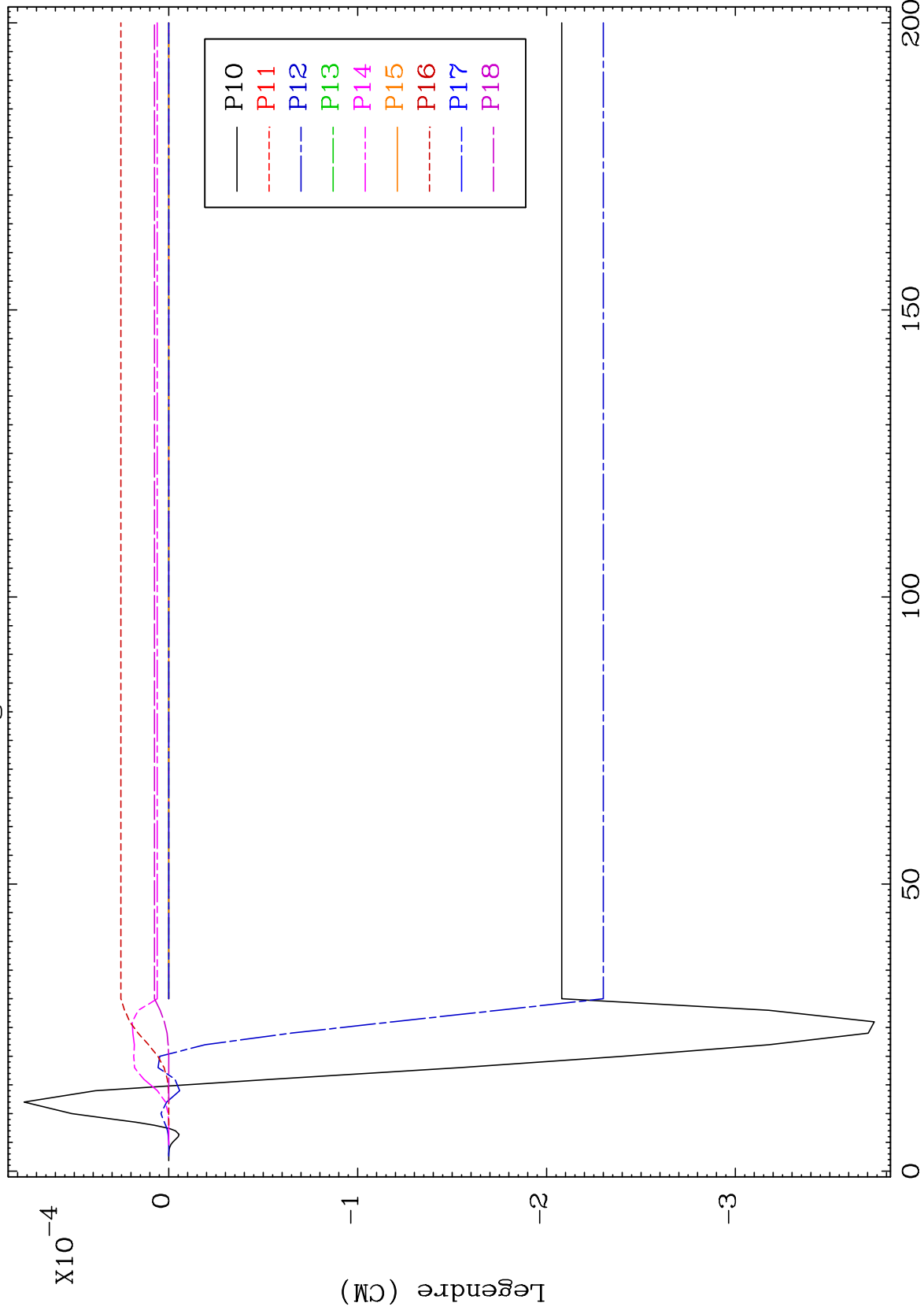
61-Pm-148



MAT 6152

440.1 keV (n,n') Level
Legendre Coefficients

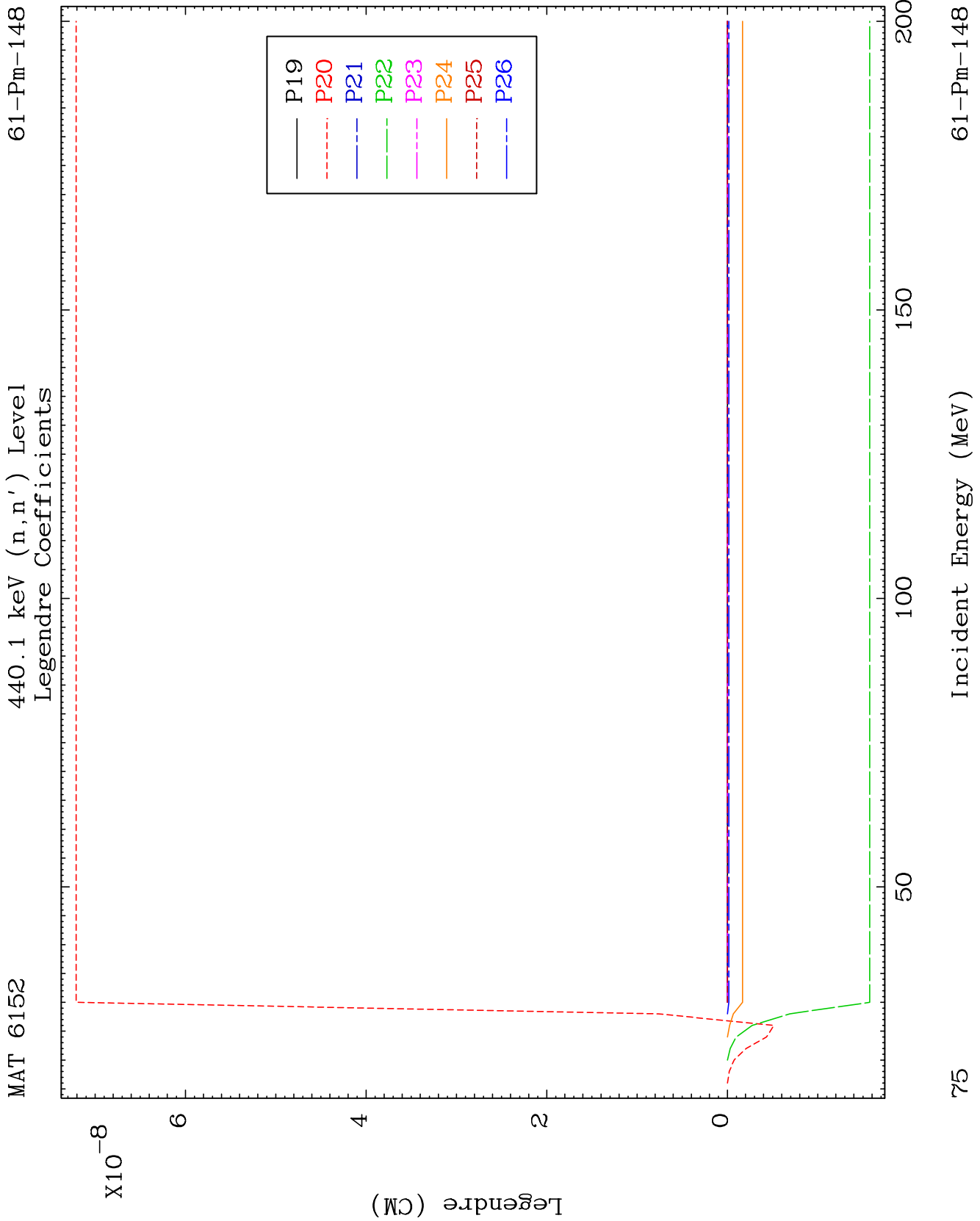
61-Pm-148



74

Incident Energy (MeV)

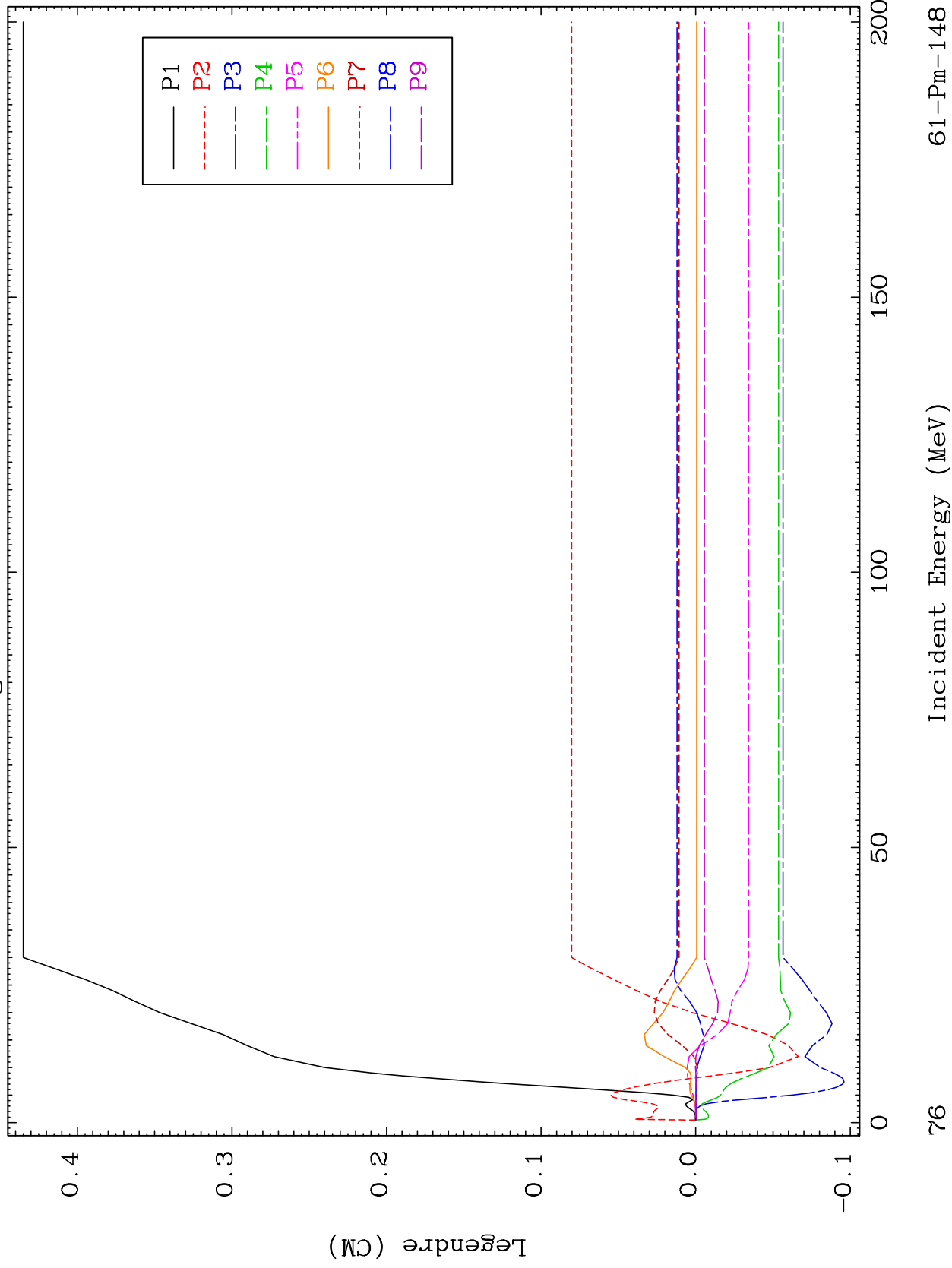
61-Pm-148



MAT 6152

452.0 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

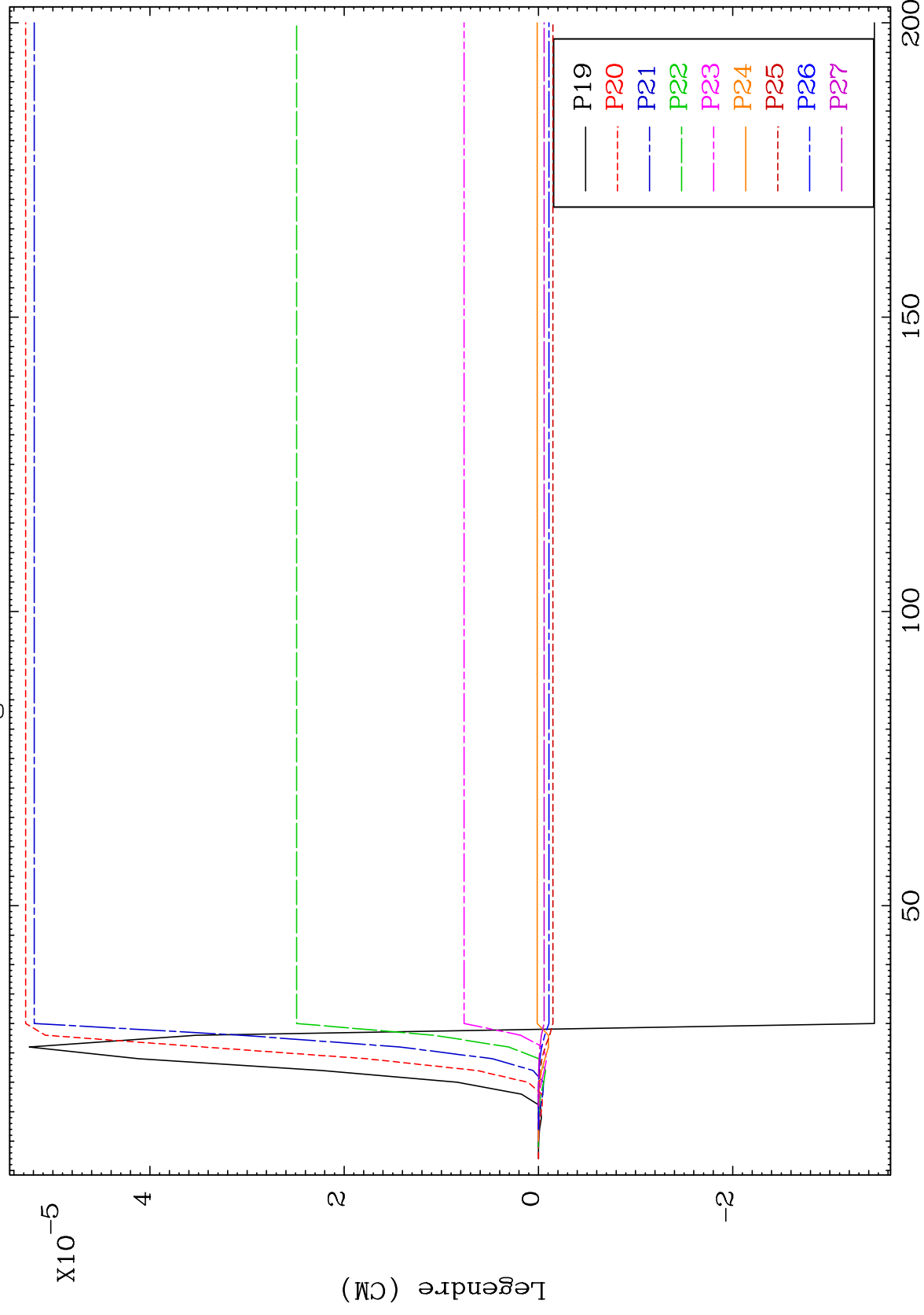
Incident Energy (MeV)

76

MAT 6152

452.0 keV (n,n') Level
Legendre Coefficients

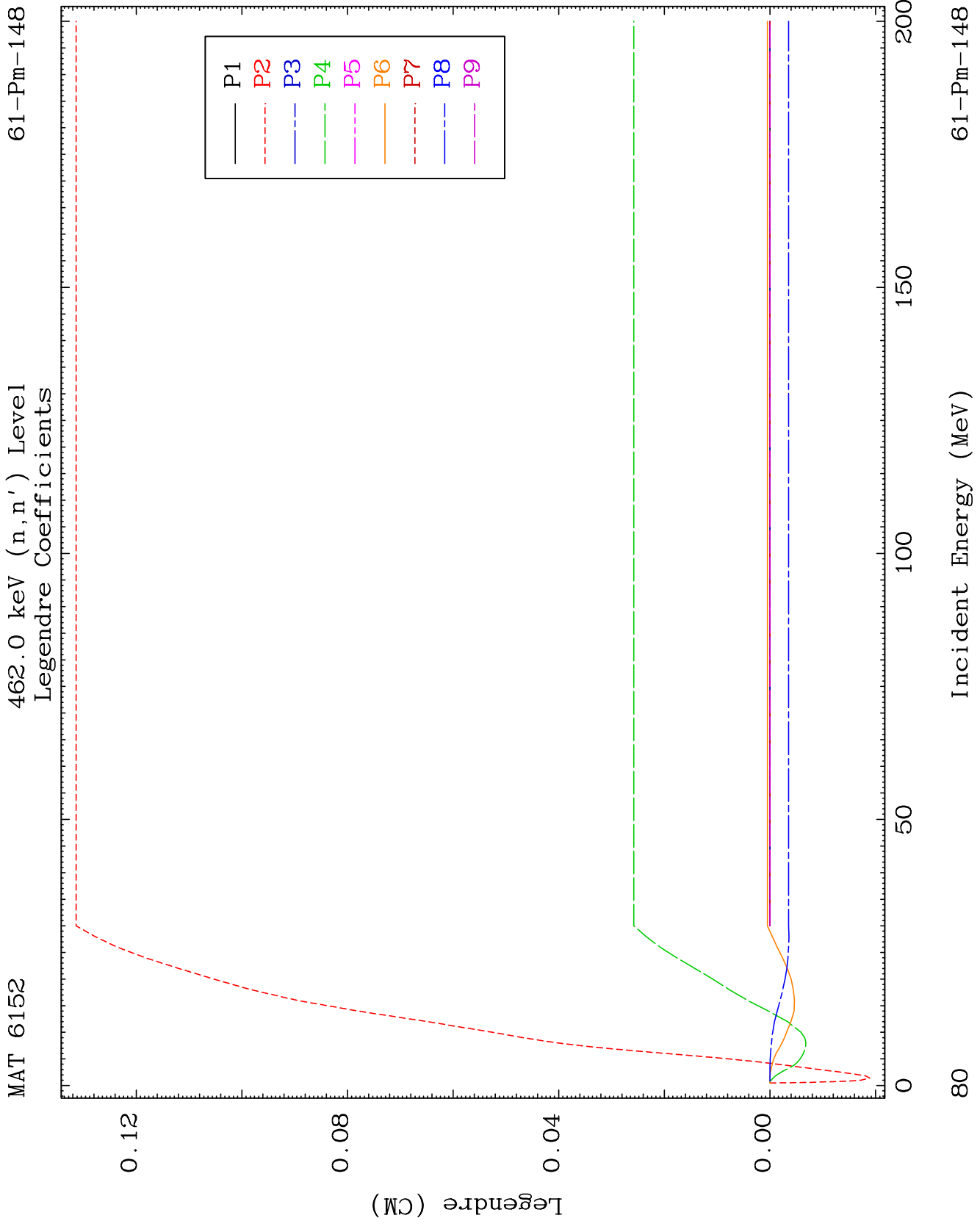
61-Pm-148

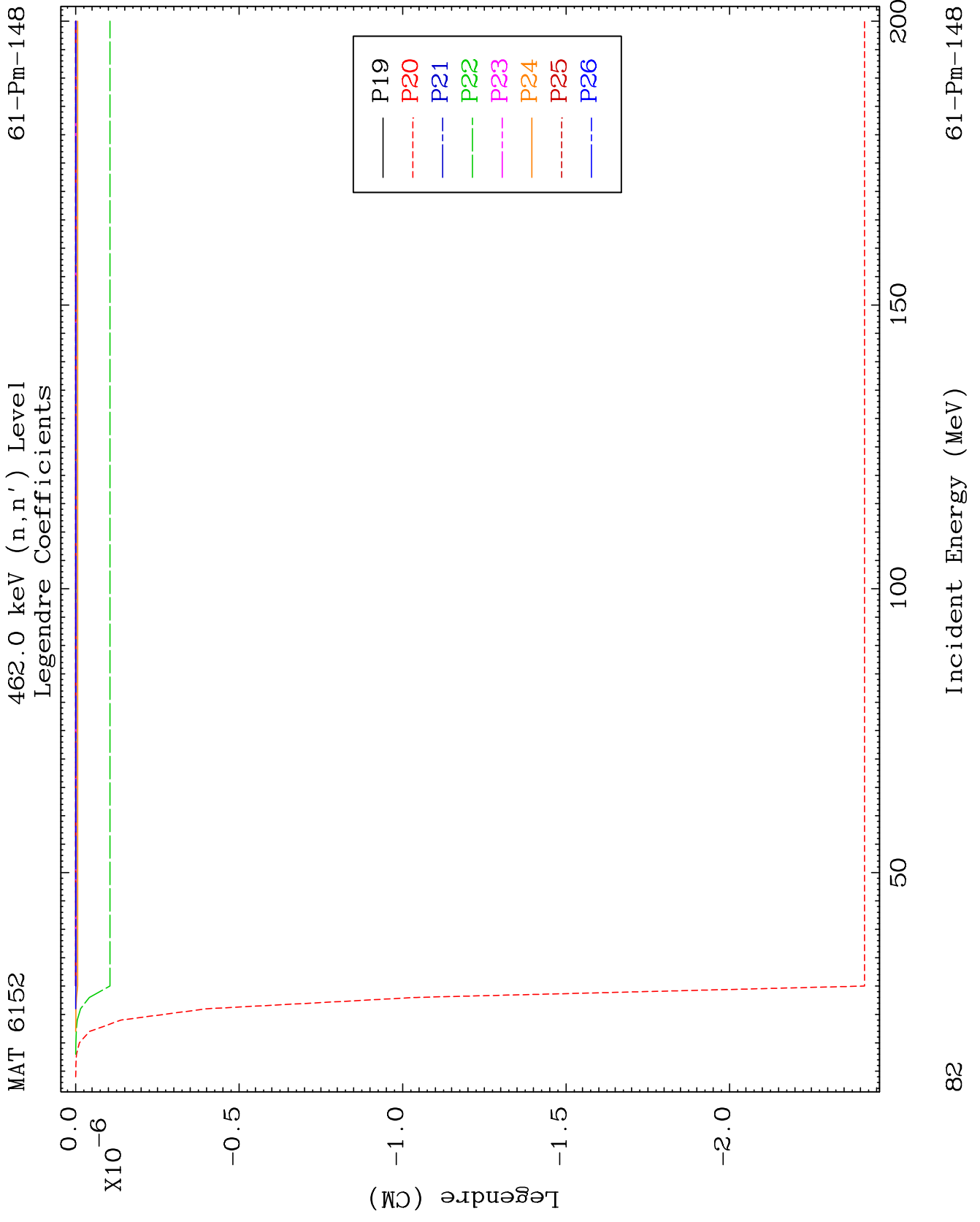


78

Incident Energy (MeV)

61-Pm-148

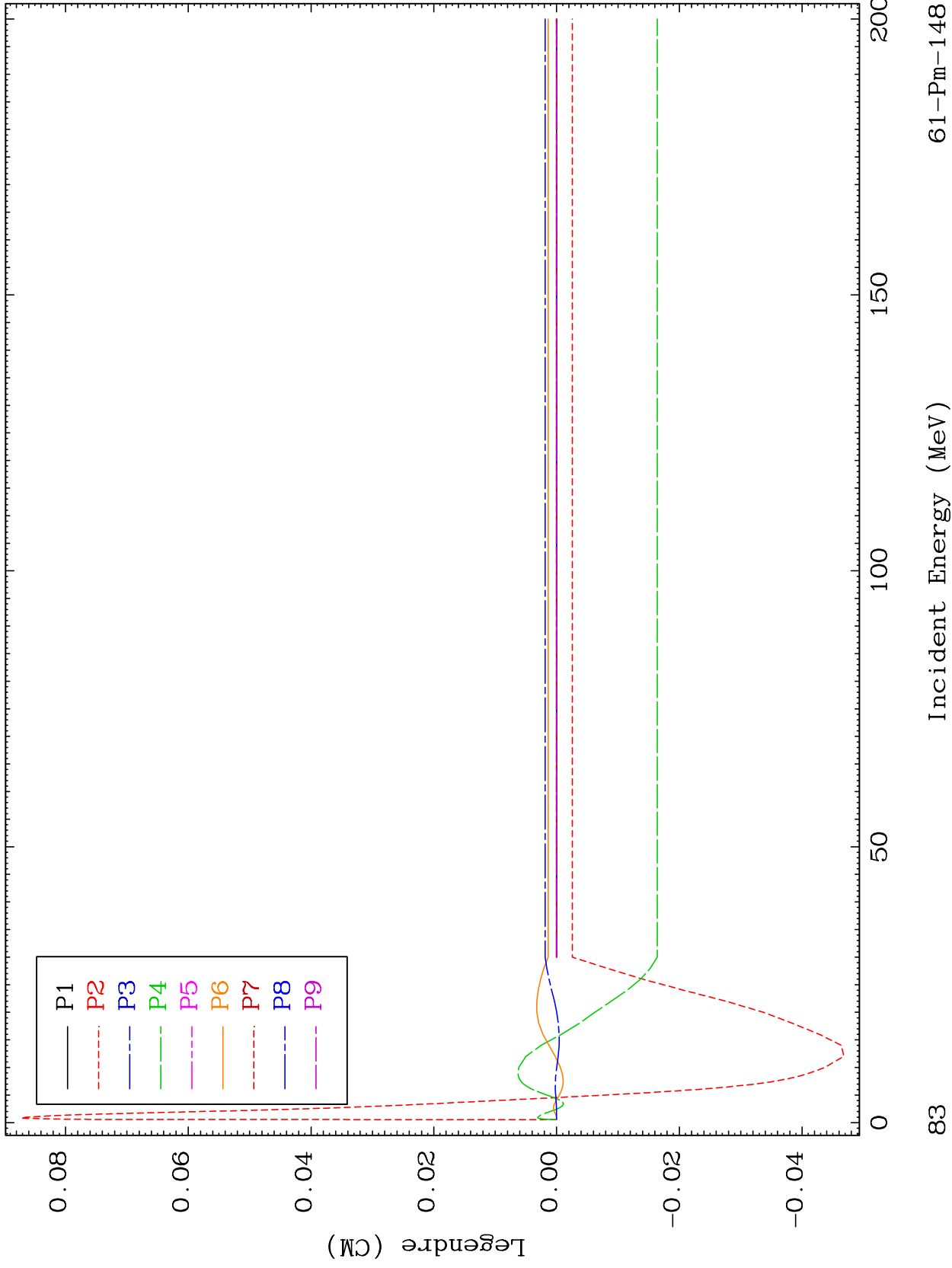




MAT 6152

526.4 keV (n,n') Level
Legendre Coefficients

61-Pm-148

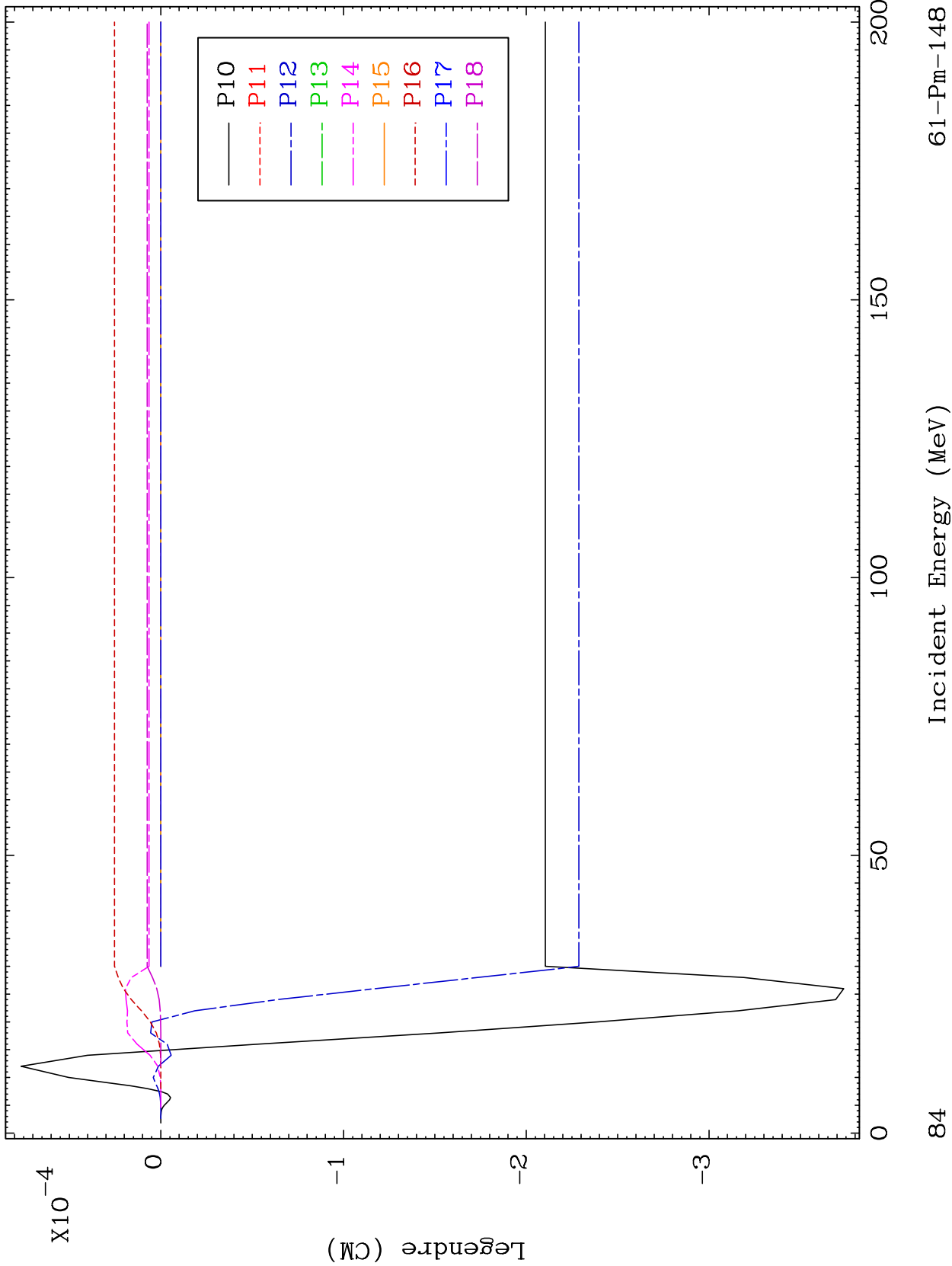


83

MAT 6152

526.4 keV (n,n') Level
Legendre Coefficients

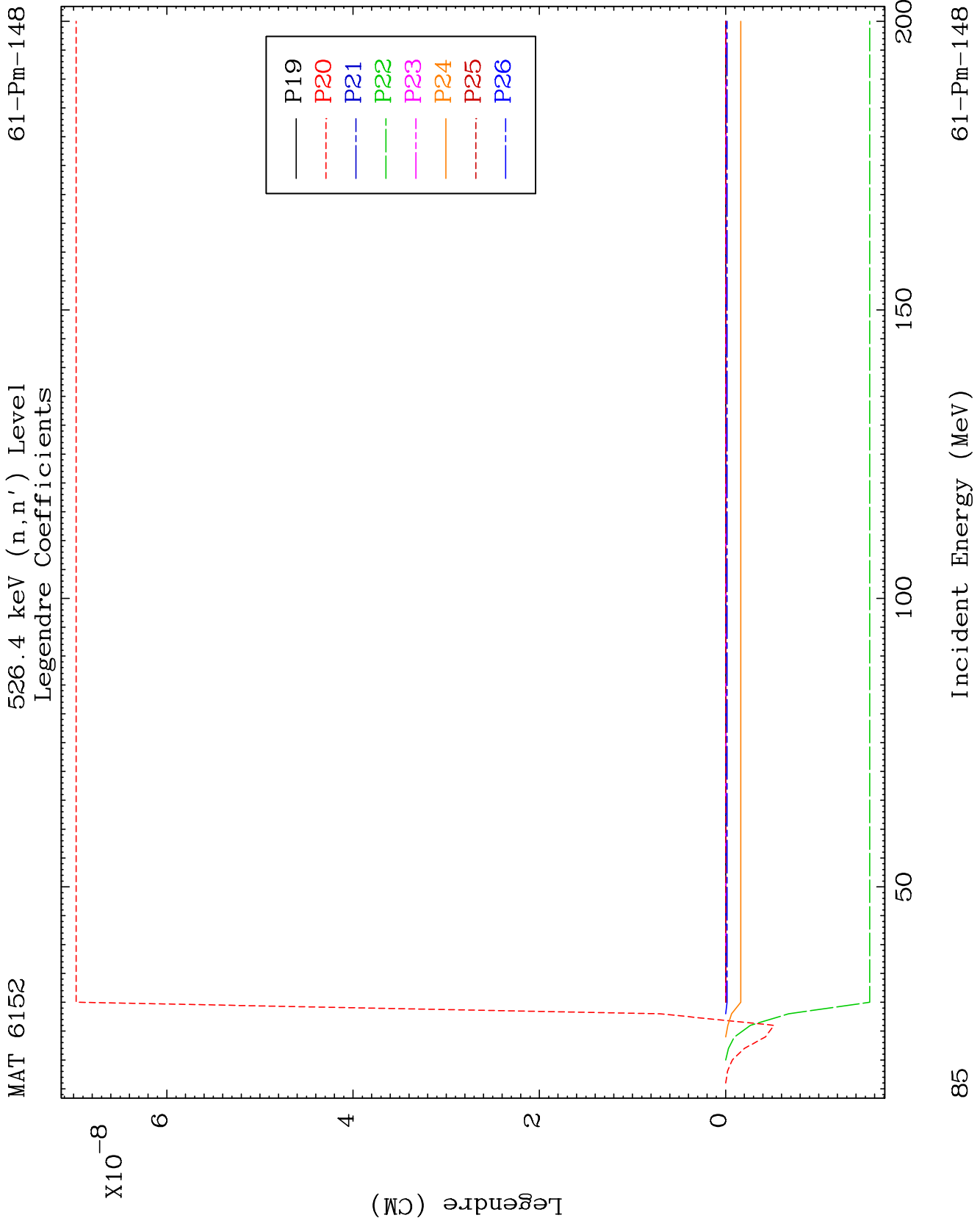
61-Pm-148



84

Incident Energy (MeV)

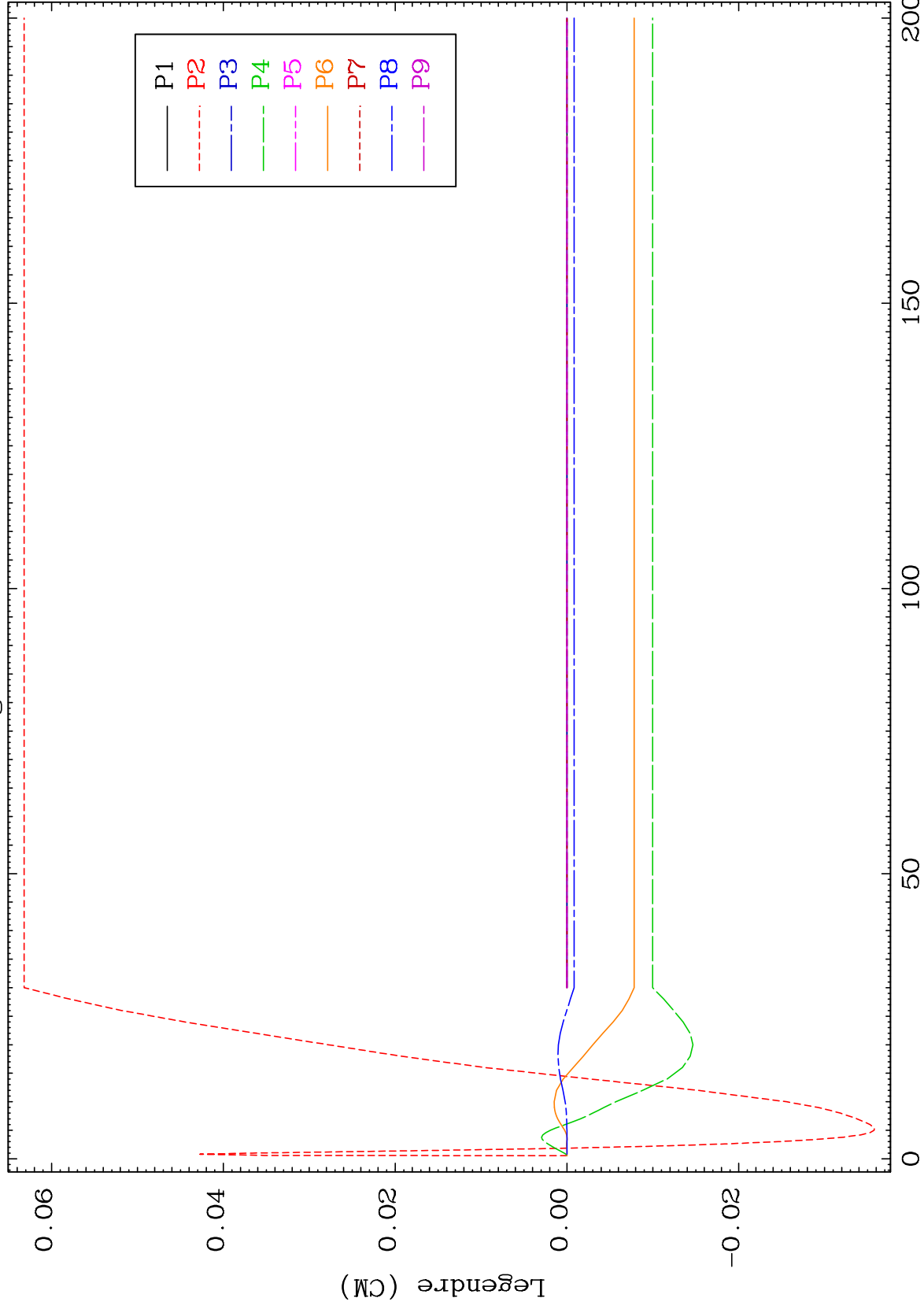
61-Pm-148



MAT 6152

529.4 keV (n,n') Level
Legendre Coefficients

61-Pm-148



86

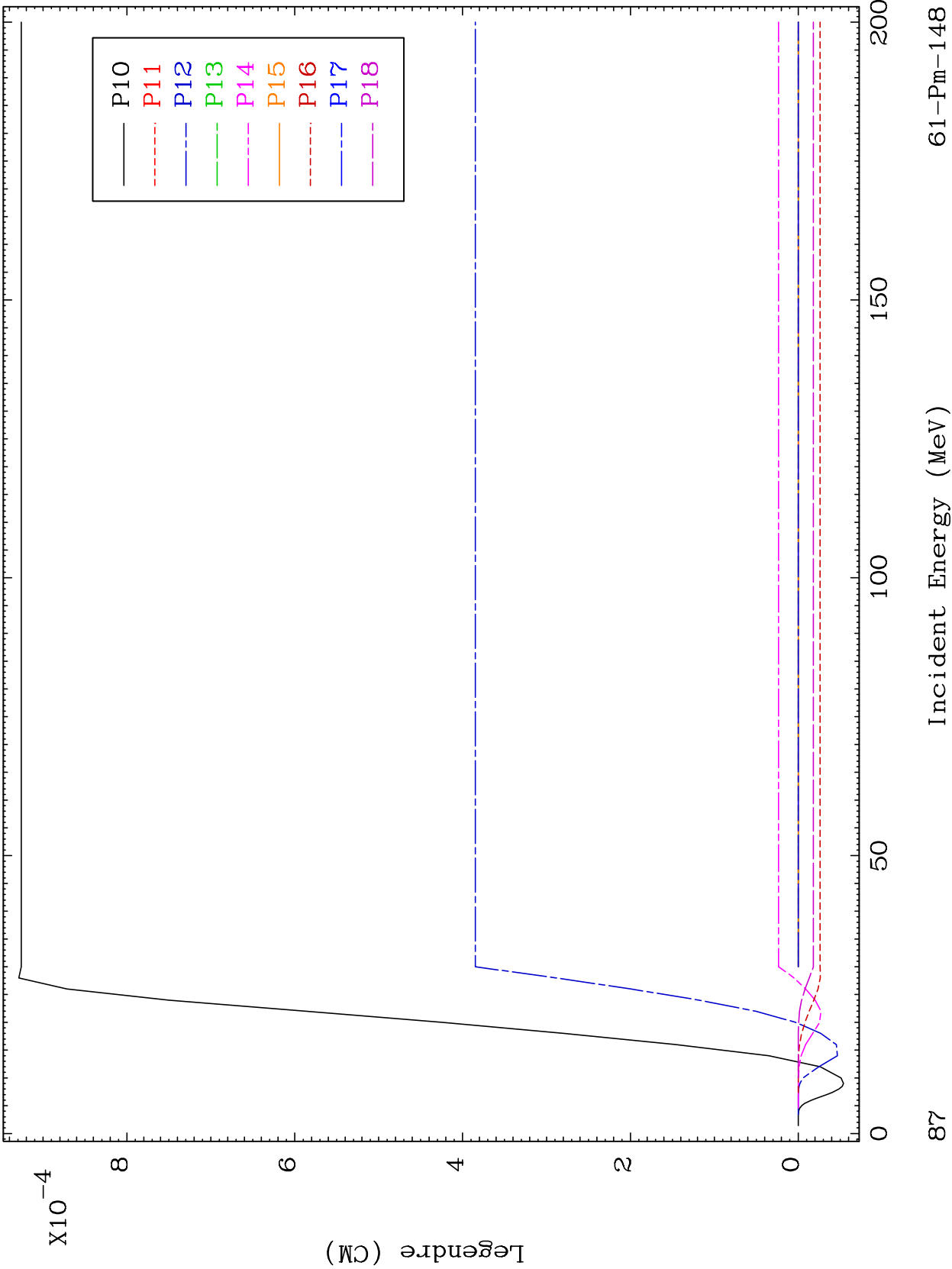
Incident Energy (MeV)

61-Pm-148

MAT 6152

529.4 keV (n,n') Level
Legendre Coefficients

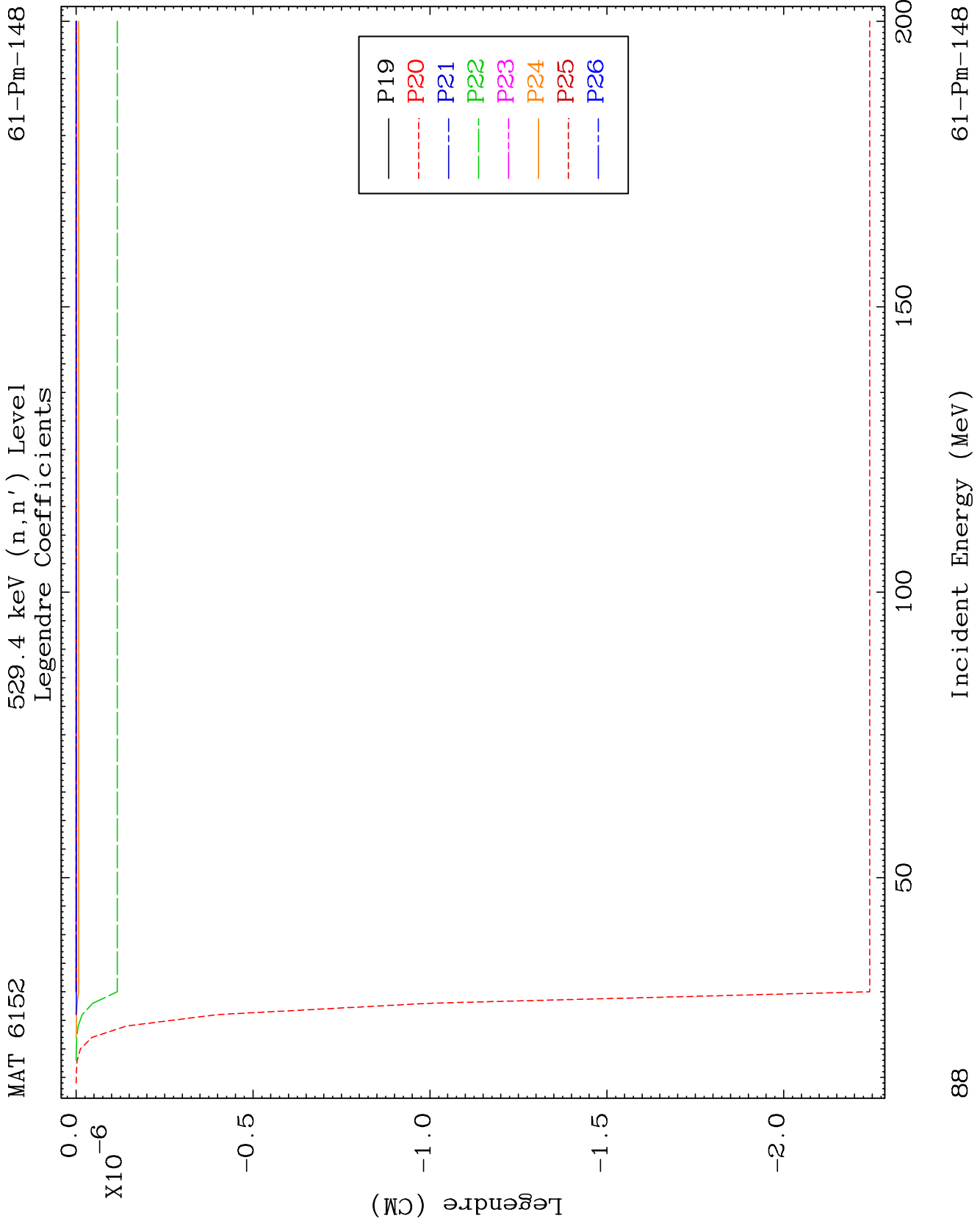
61-Pm-148

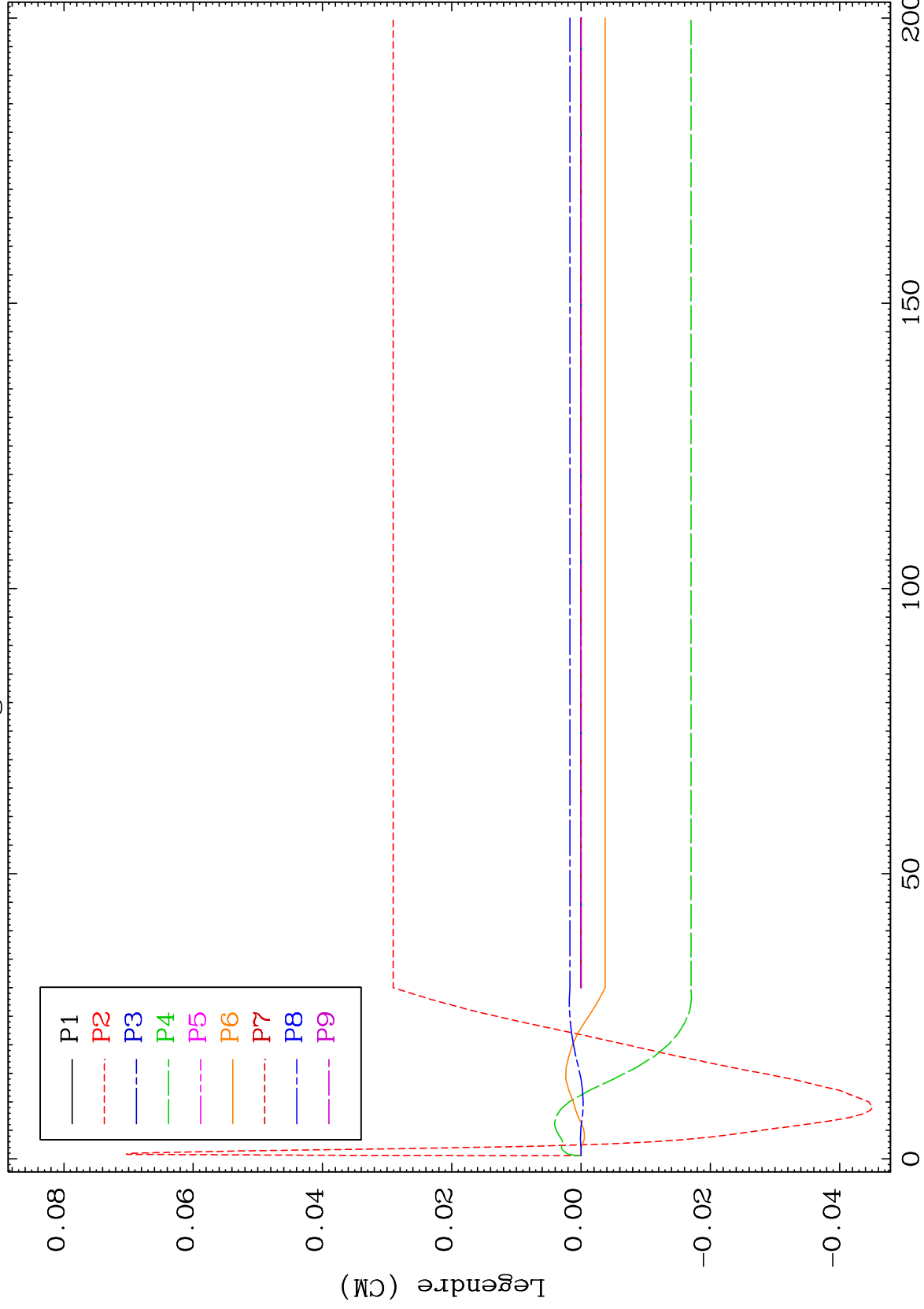


61-Pm-148

Incident Energy (MeV)

87

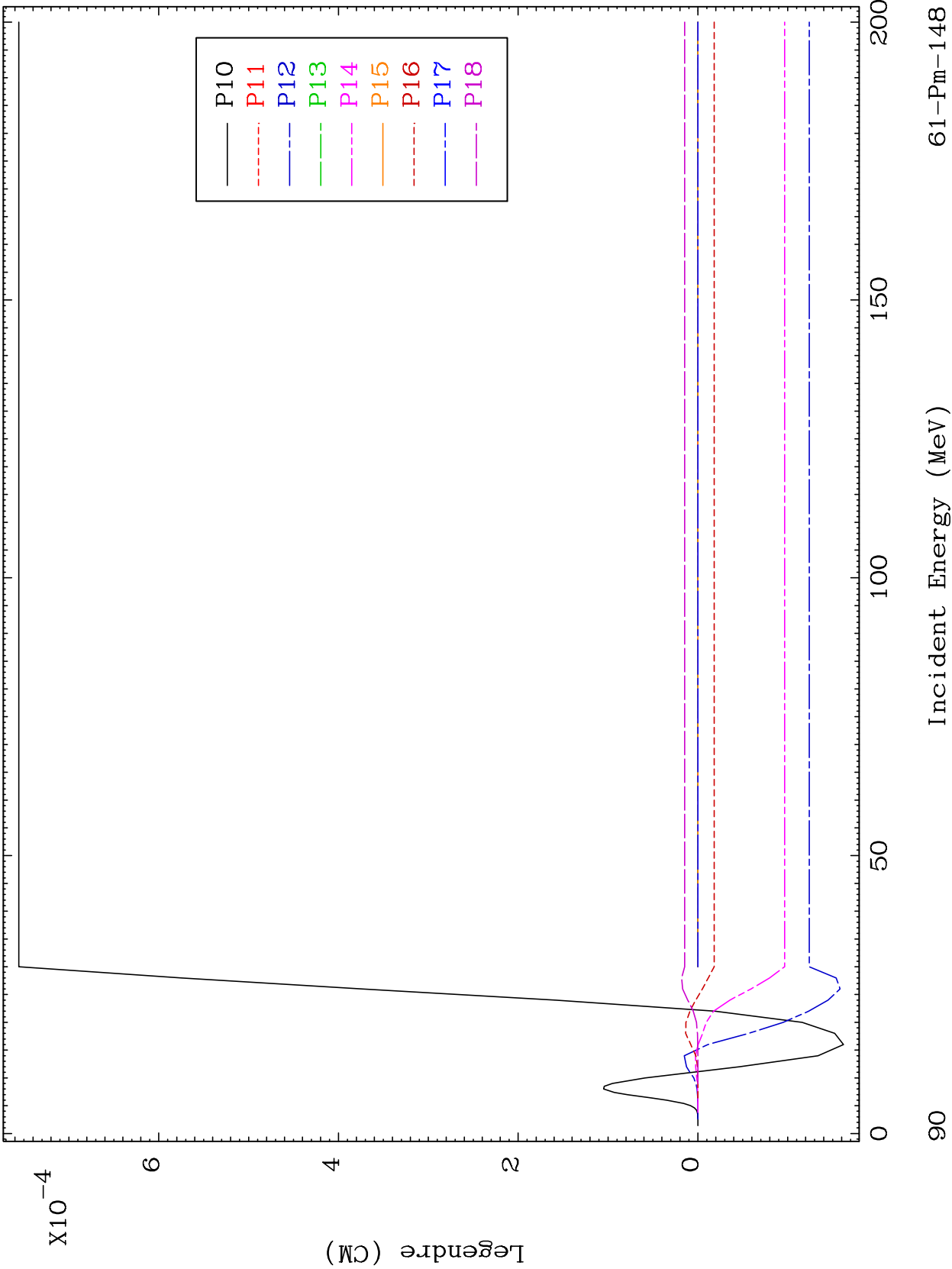




MAT 6152

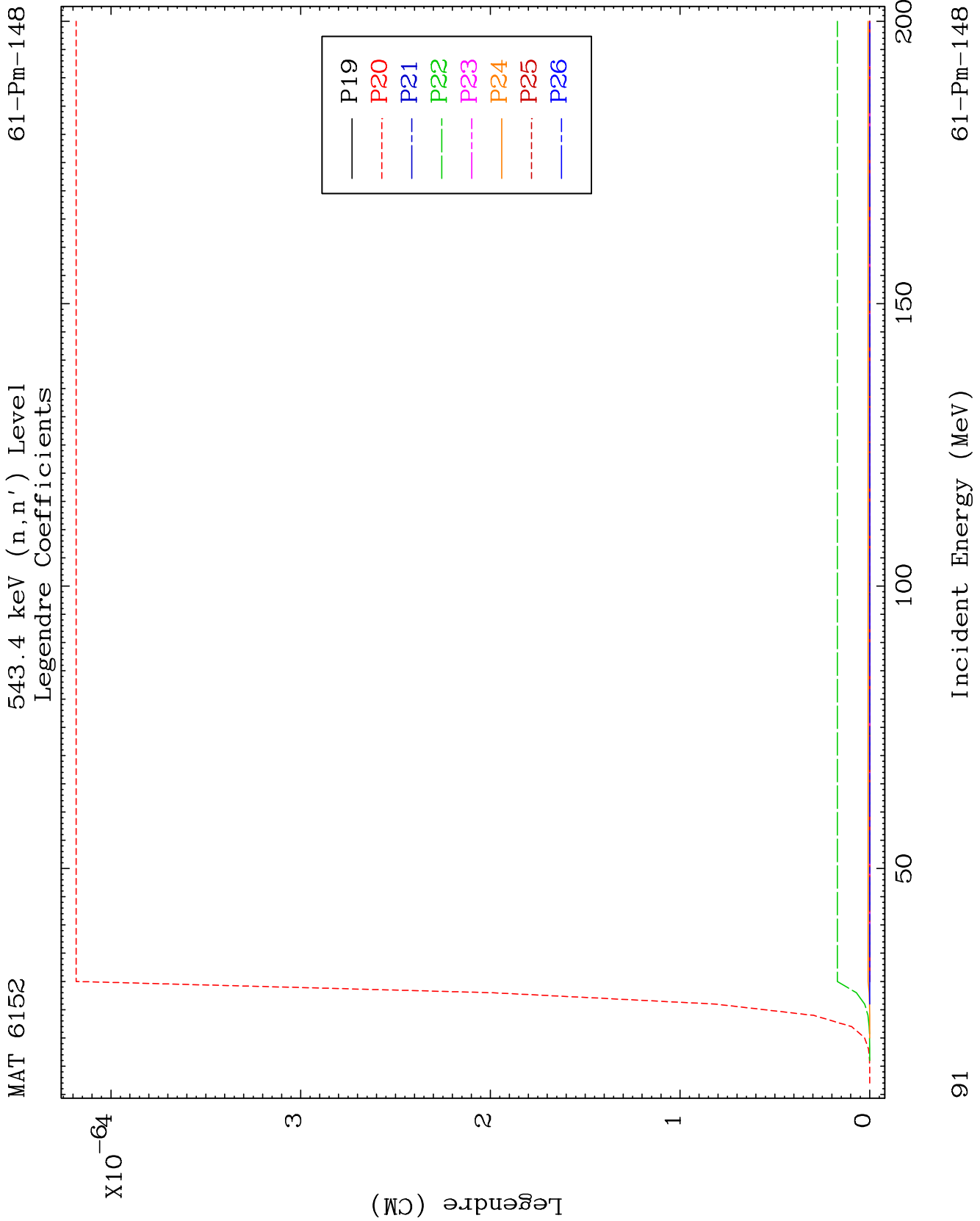
543.4 keV (n,n') Level
Legendre Coefficients

61-Pm-148



61-Pm-148

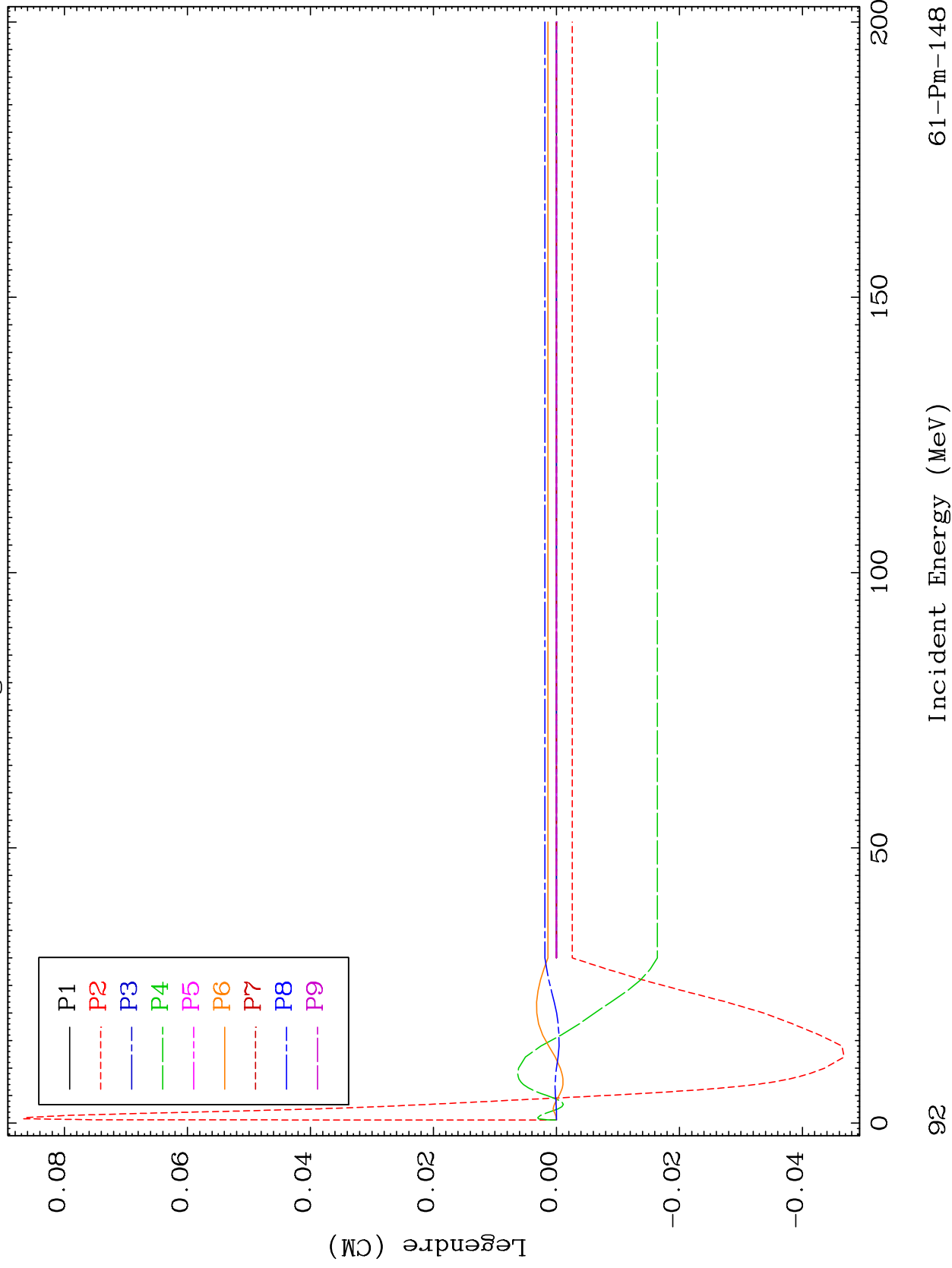
Incident Energy (MeV)



MAT 6152

545.7 keV (n,n') Level
Legendre Coefficients

61-Pm-148



92

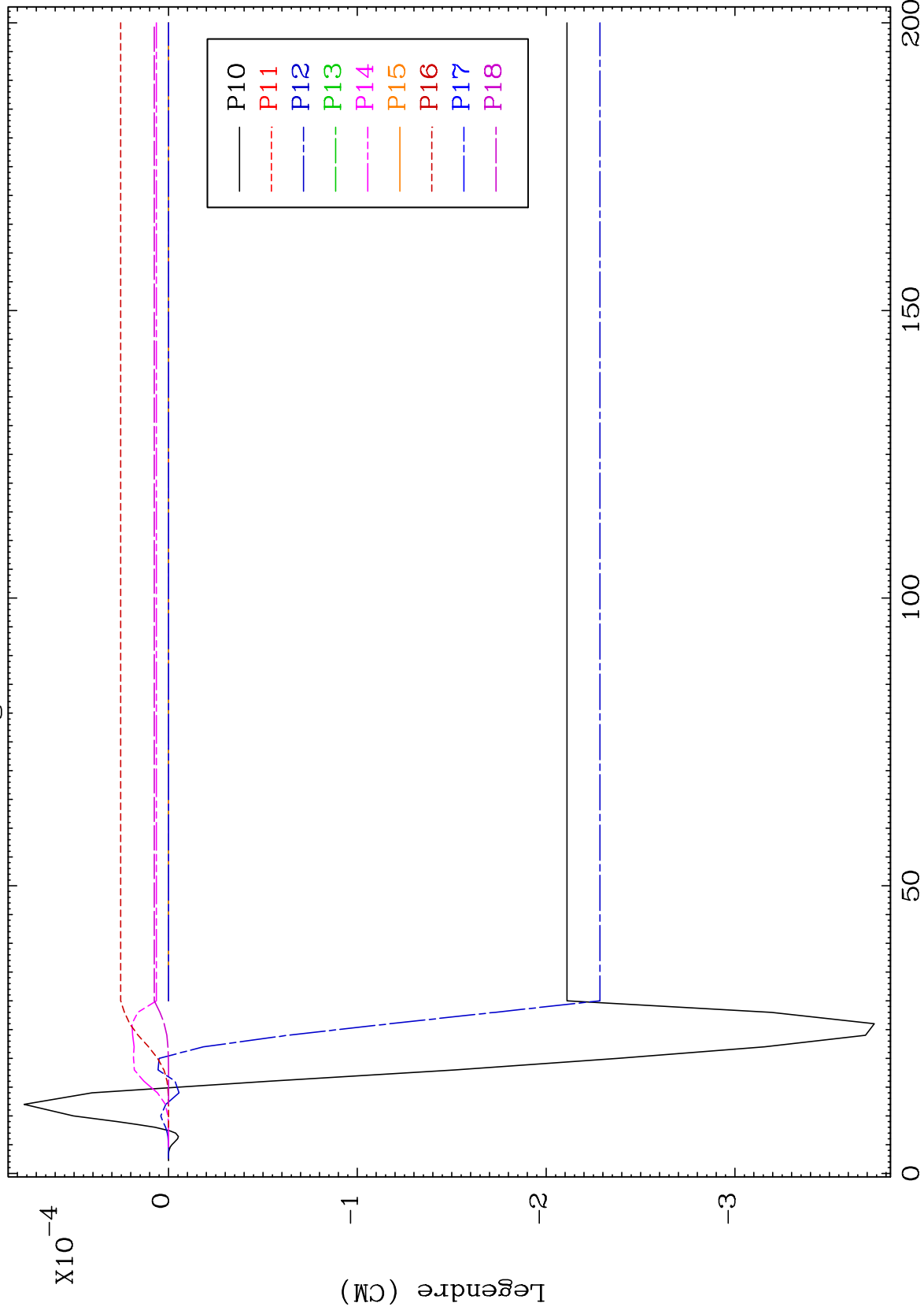
Incident Energy (MeV)

61-Pm-148

MAT 6152

545.7 keV (n,n') Level
Legendre Coefficients

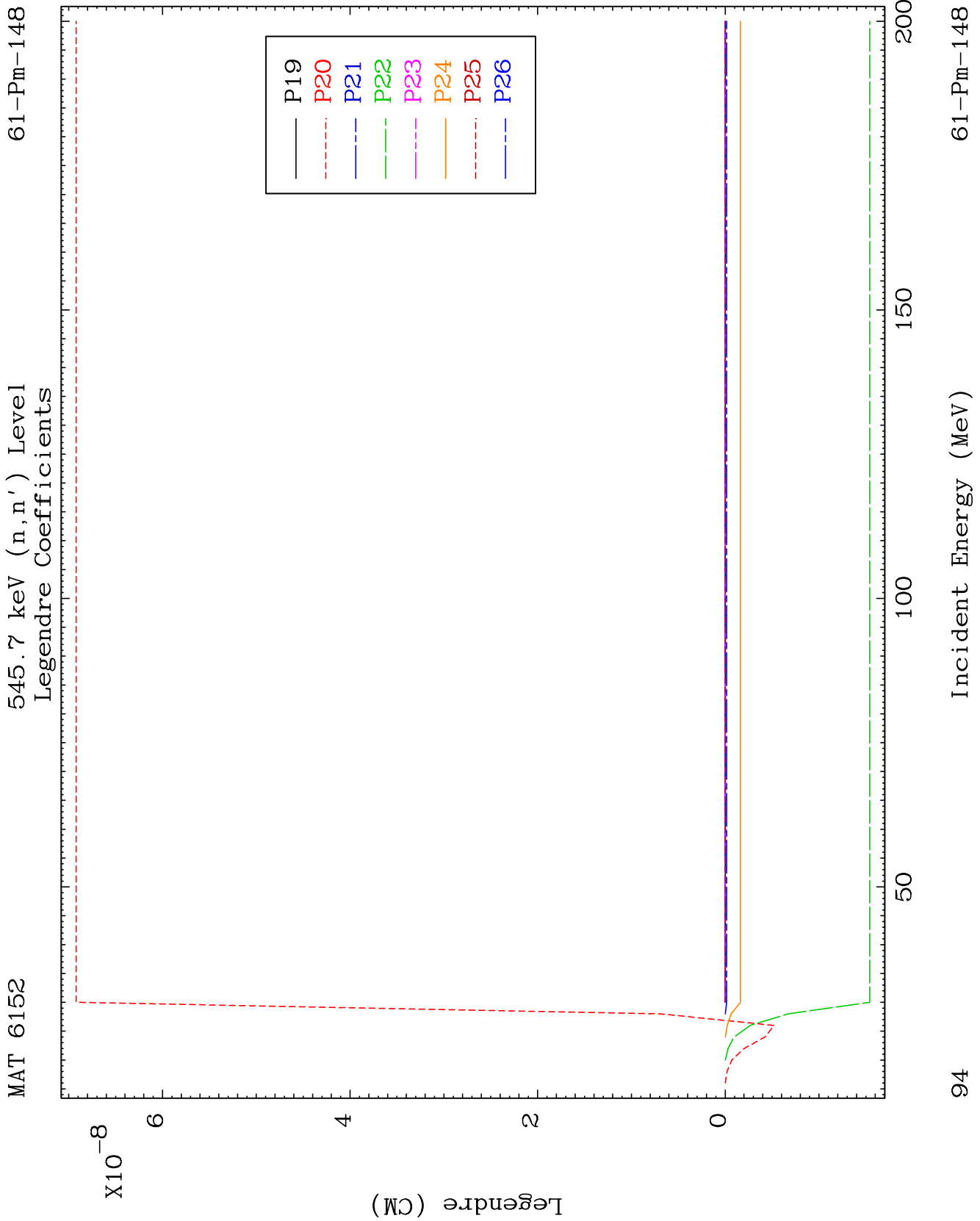
61-Pm-148

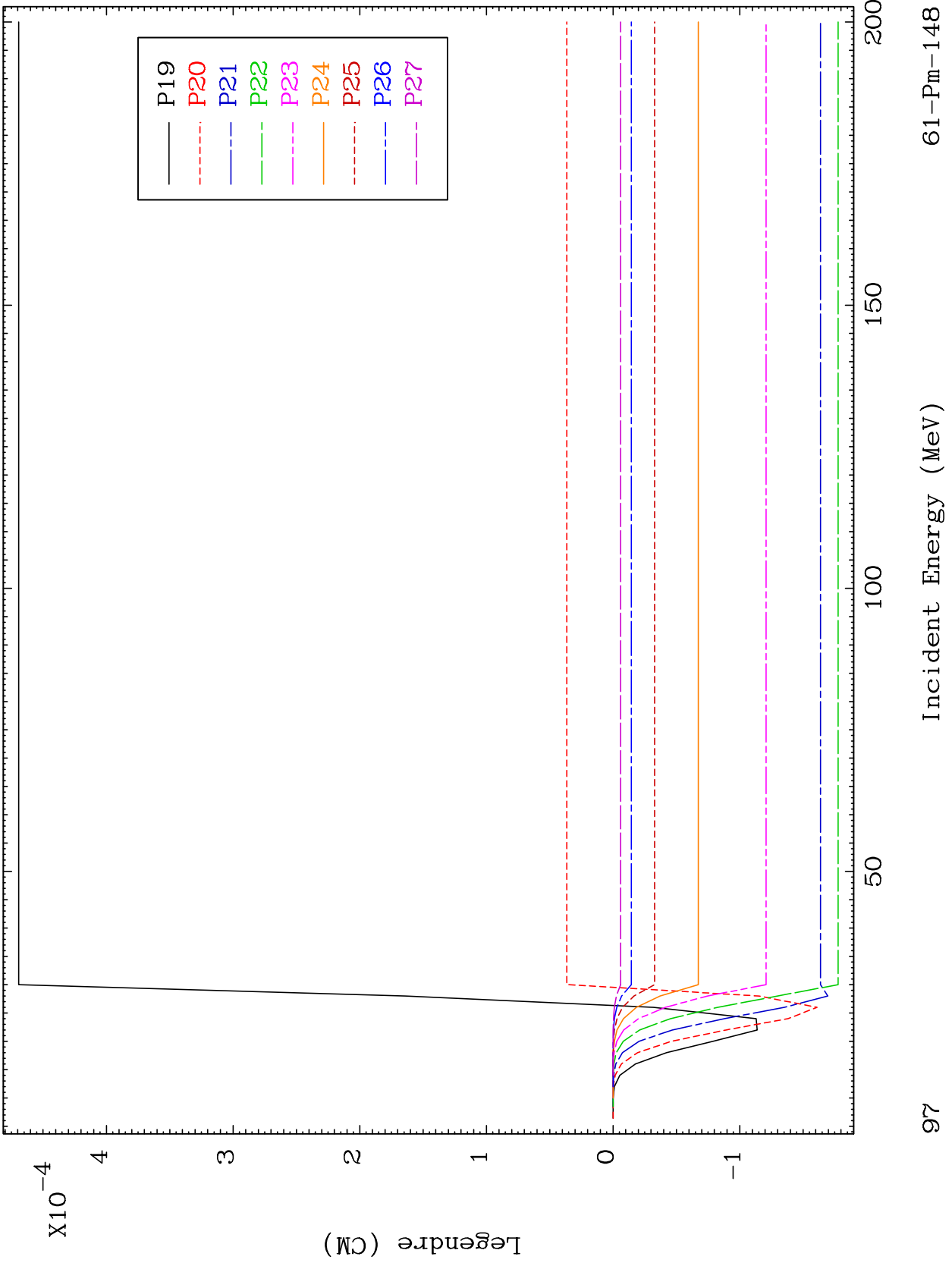


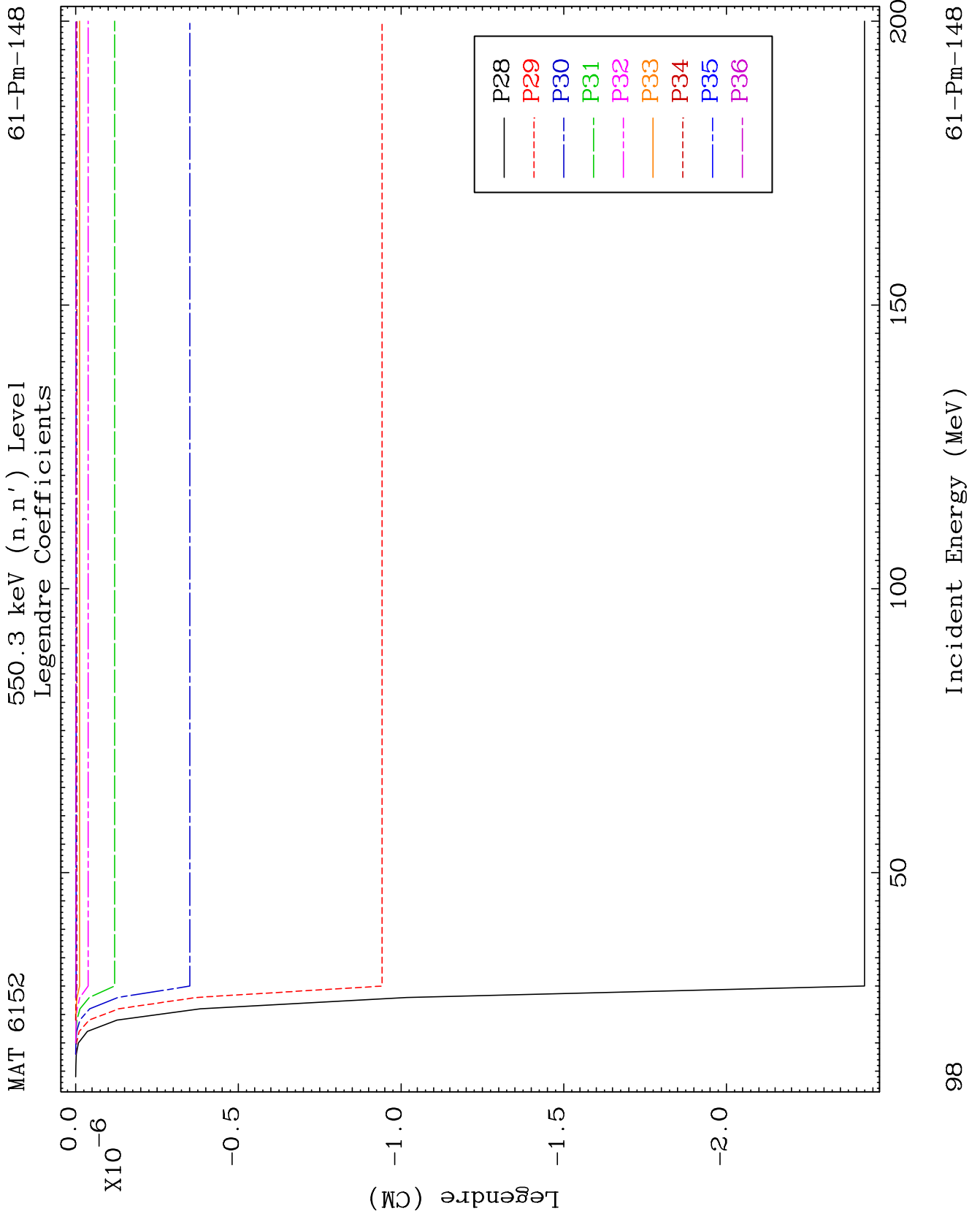
93

Incident Energy (MeV)

61-Pm-148



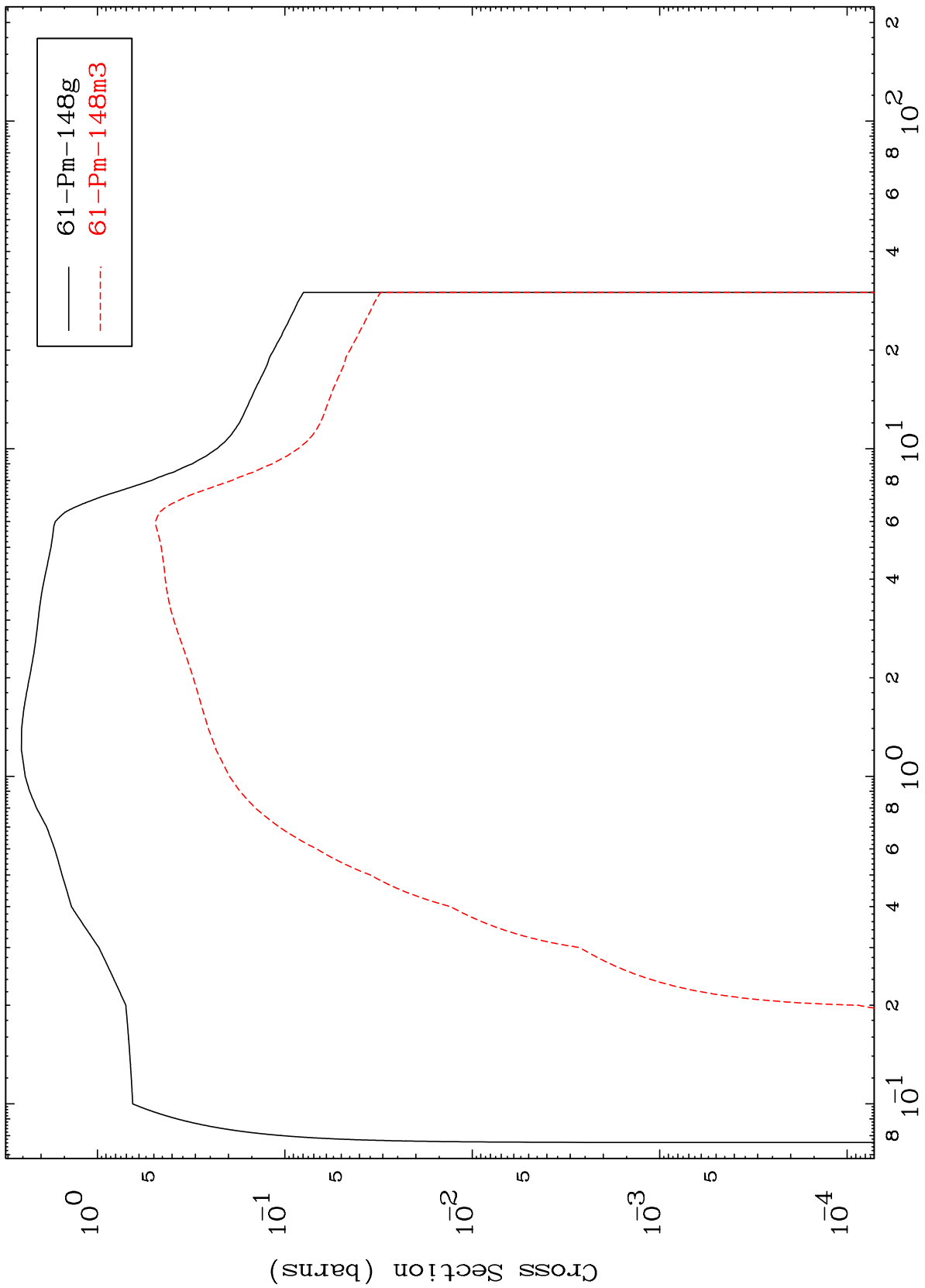




MAT 6152

61-Pm-148

Inelastic
Radionuclide Production Cross Section



99

Incident Energy (MeV)

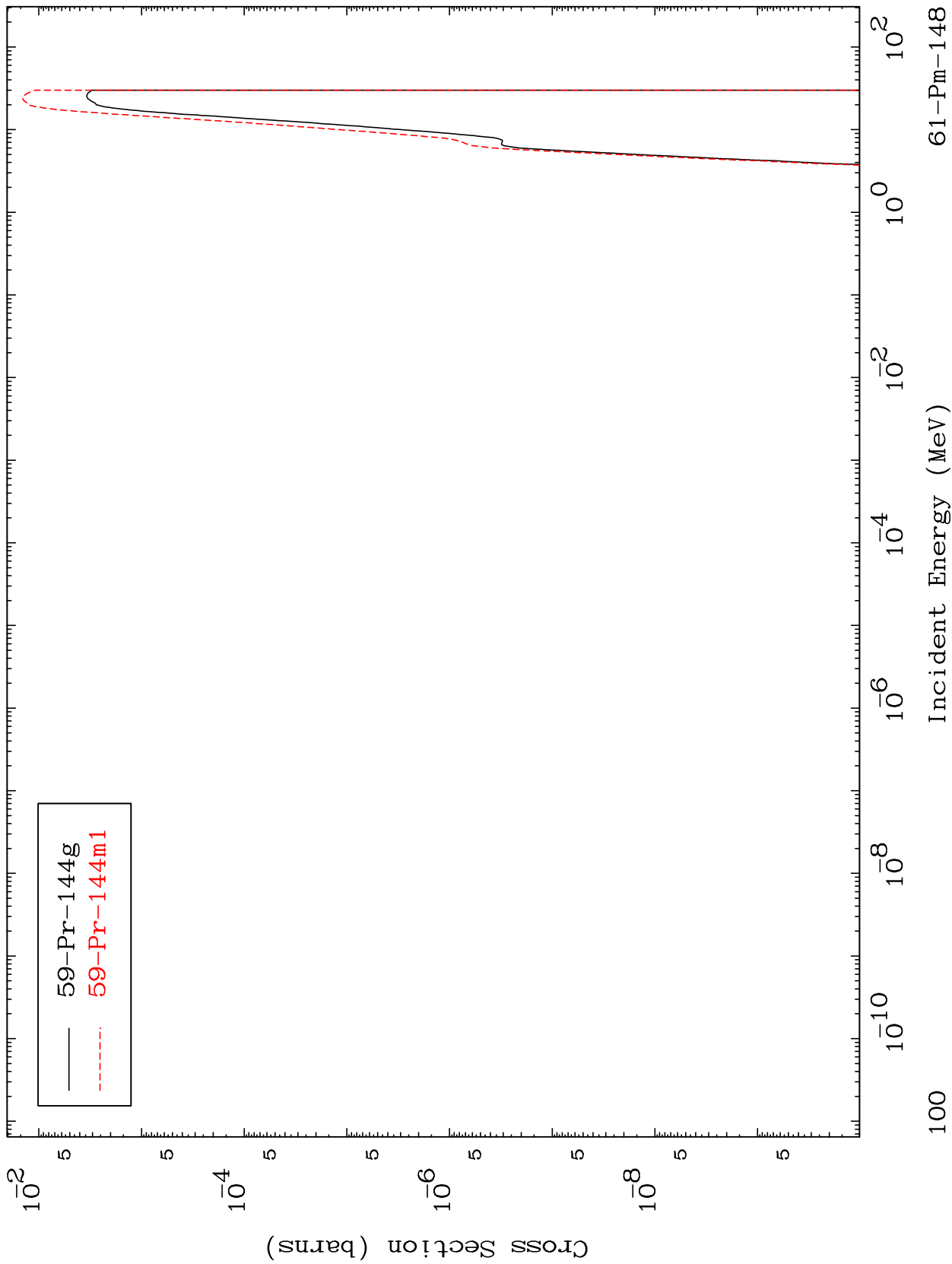
61-Pm-148

MAT 6152

$(n, n') \alpha$

61-Pm-148

Radionuclide Production Cross Section



59-Pr-144g
59-Pr-144m1

100

Incident Energy (MeV)

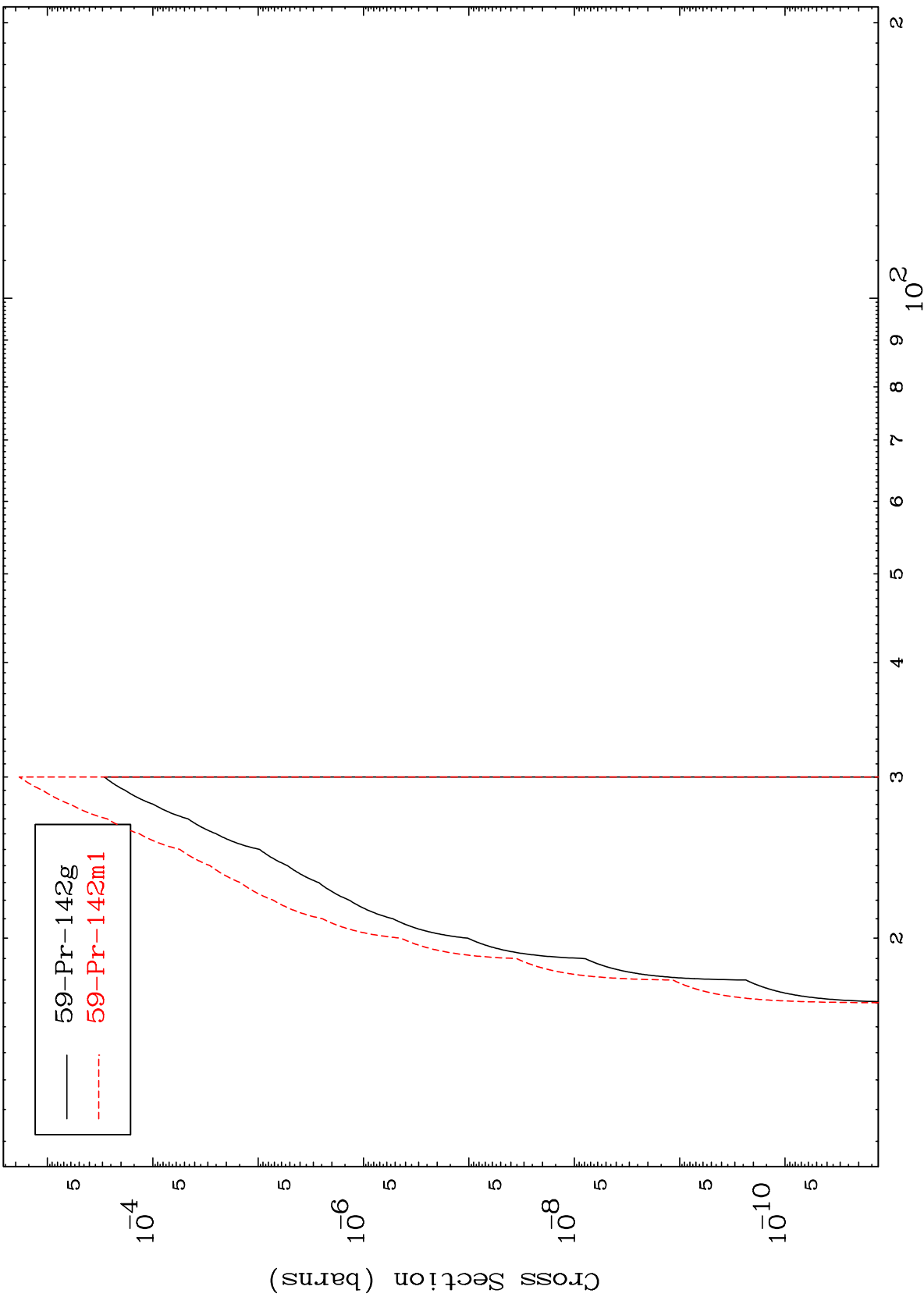
61-Pm-148

MAT 6152

(n,3n) α

61-Pm-148

Radionuclide Production Cross Section



101

Incident Energy (MeV)

61-Pm-148