

Program EVALPLOT
(Version 2015-2)

by

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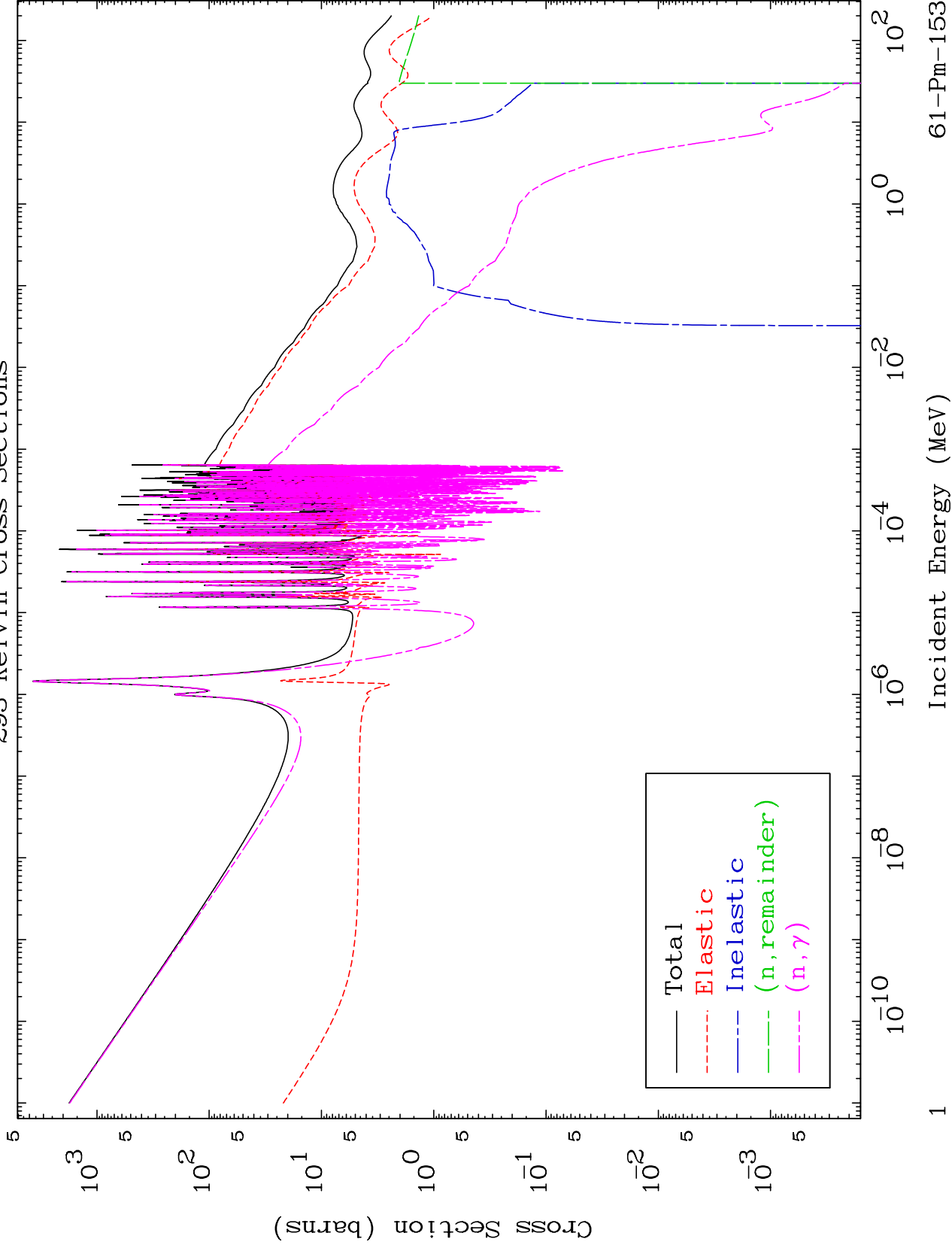
Press Mouse Button to Start

MAT 6167

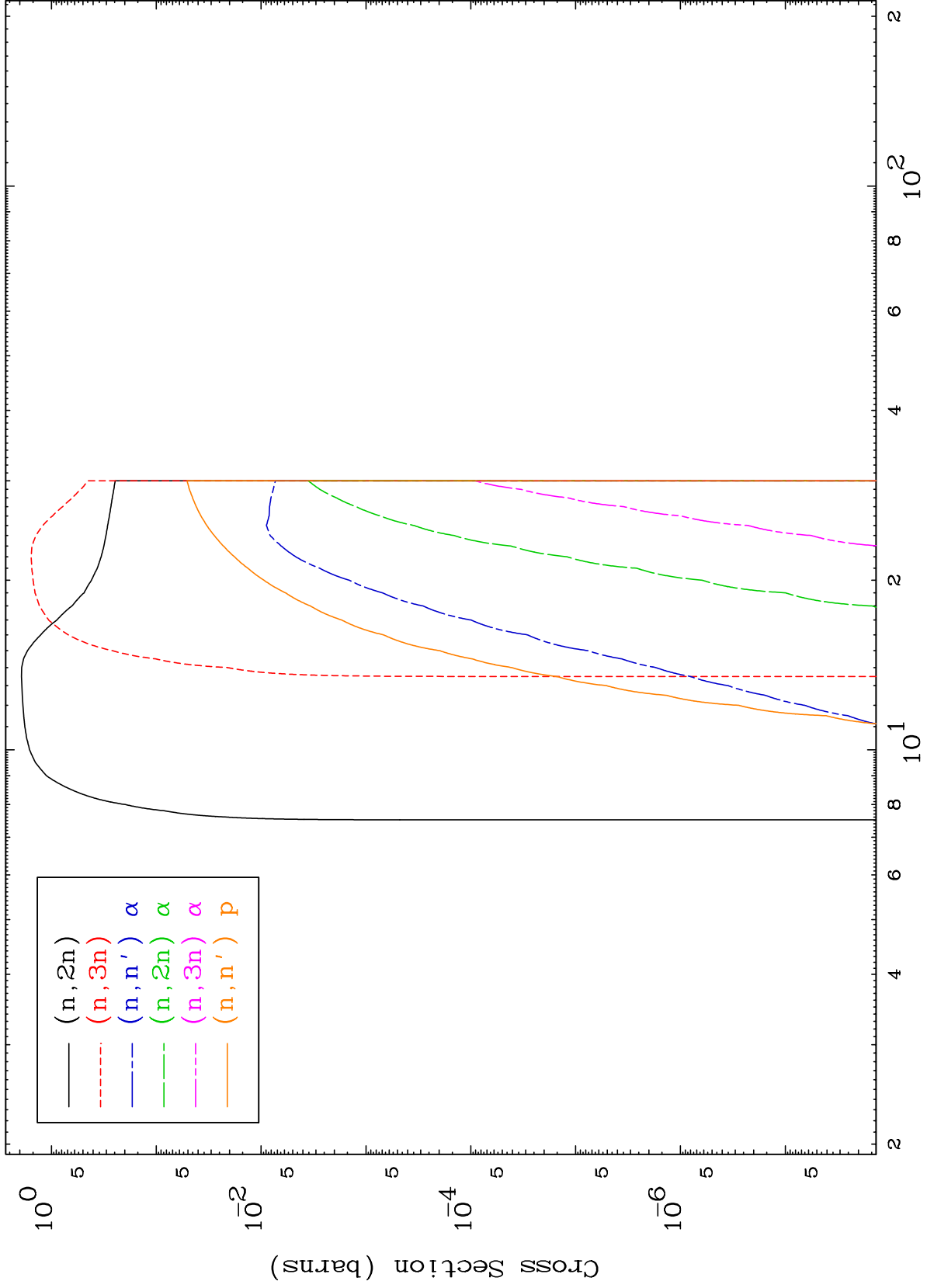
Major

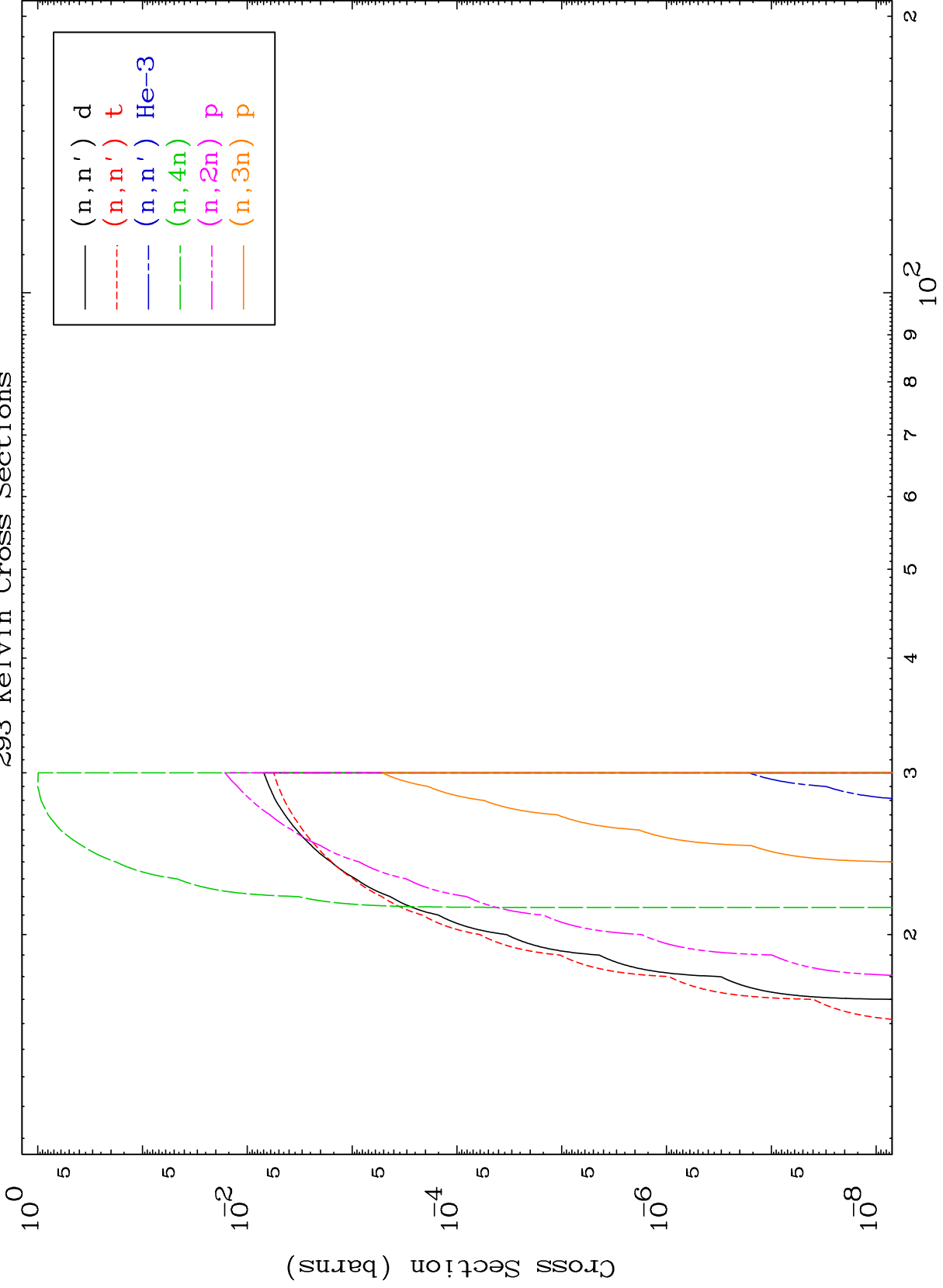
293 Kelvin Cross Sections

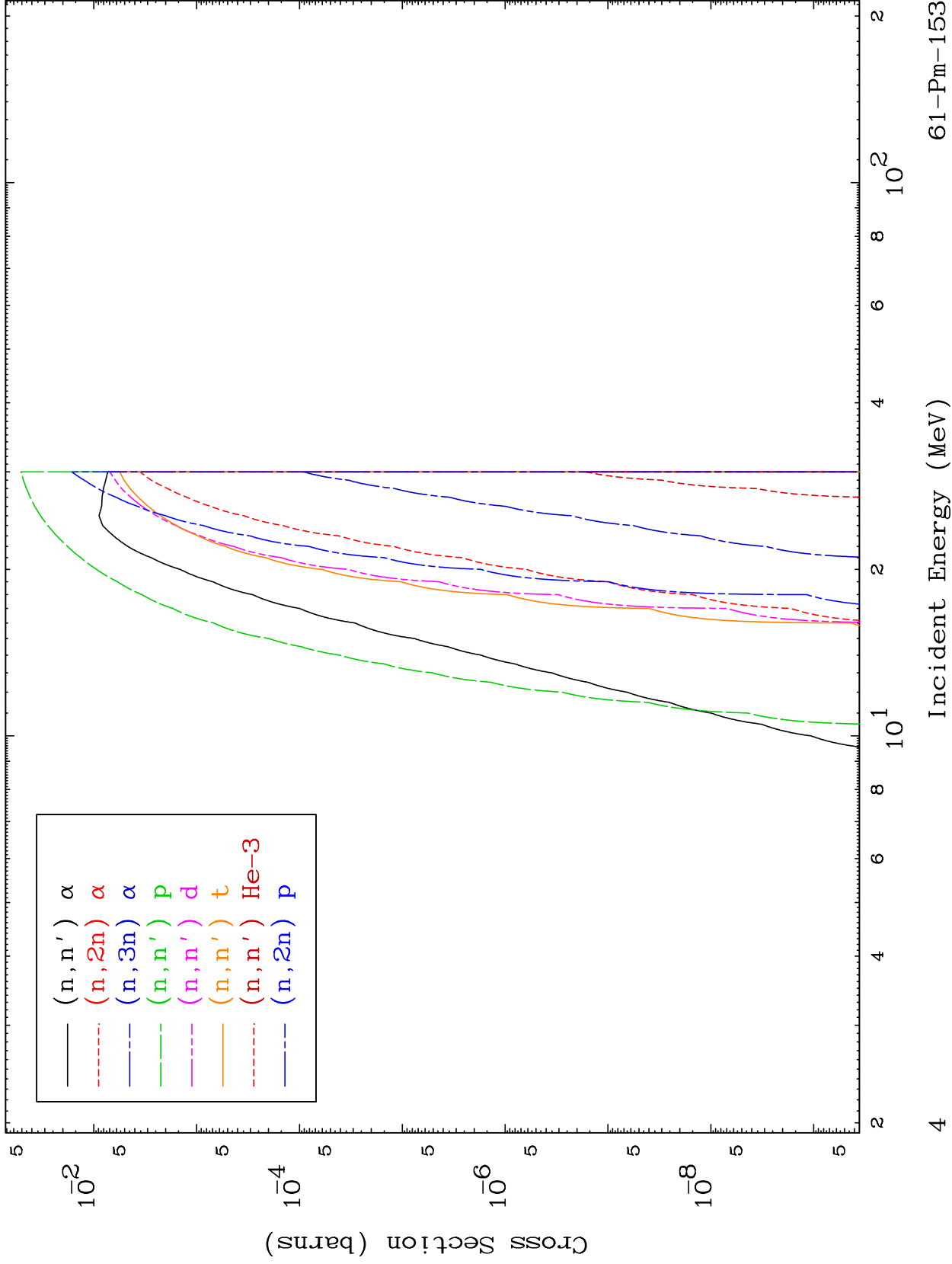
61-Pm-153



Neutron Production
293 Kelvin Cross Sections



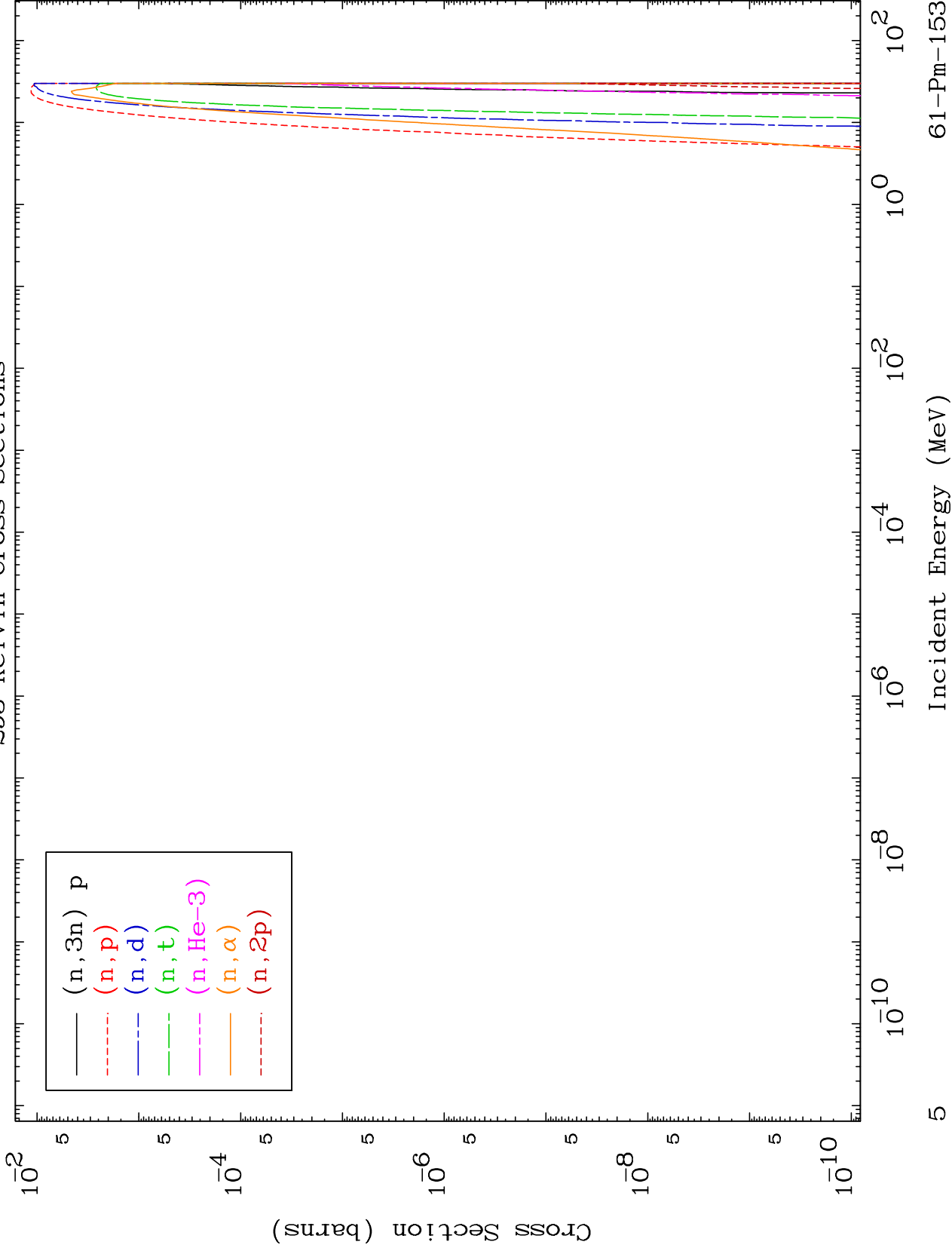


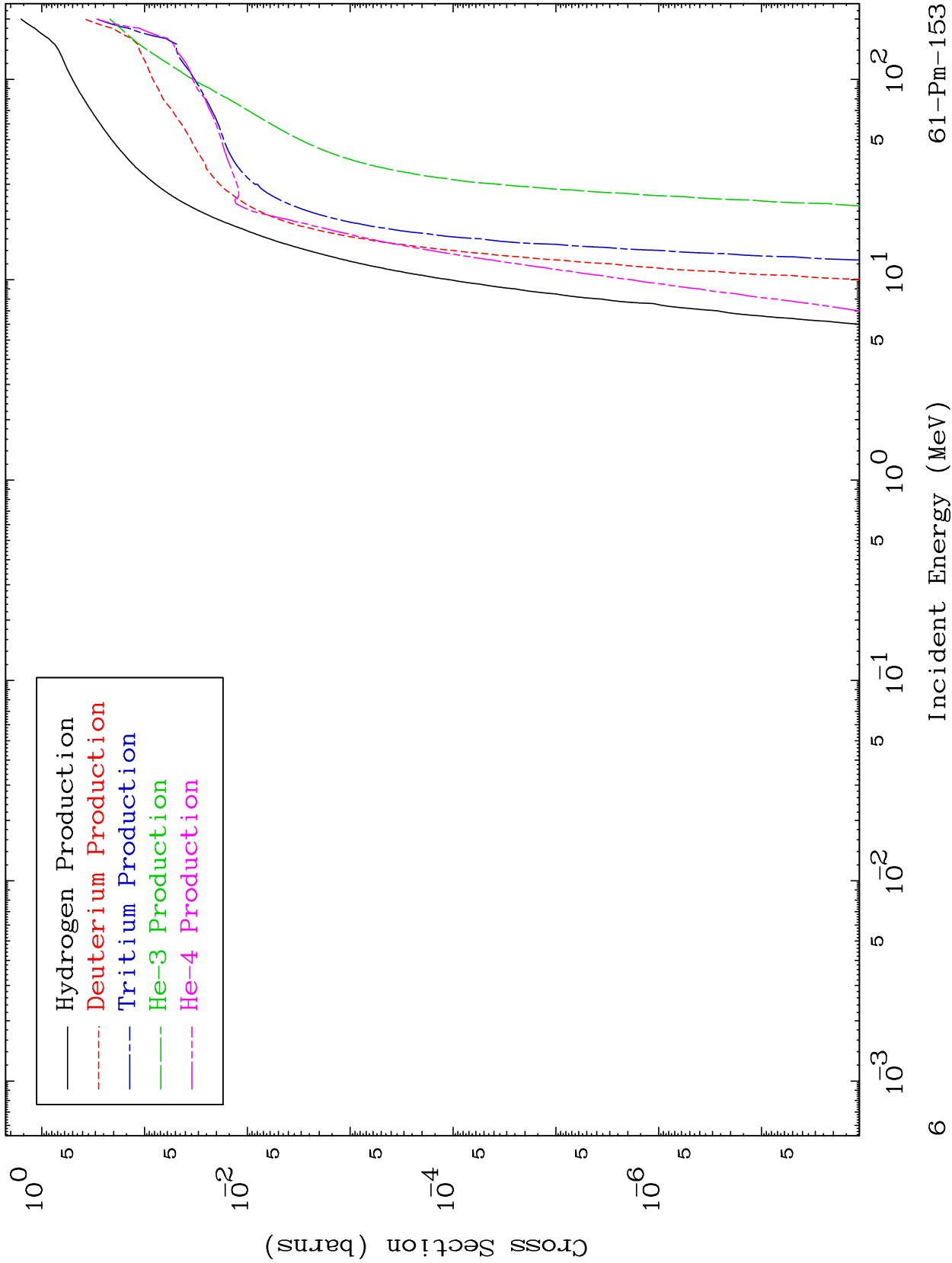


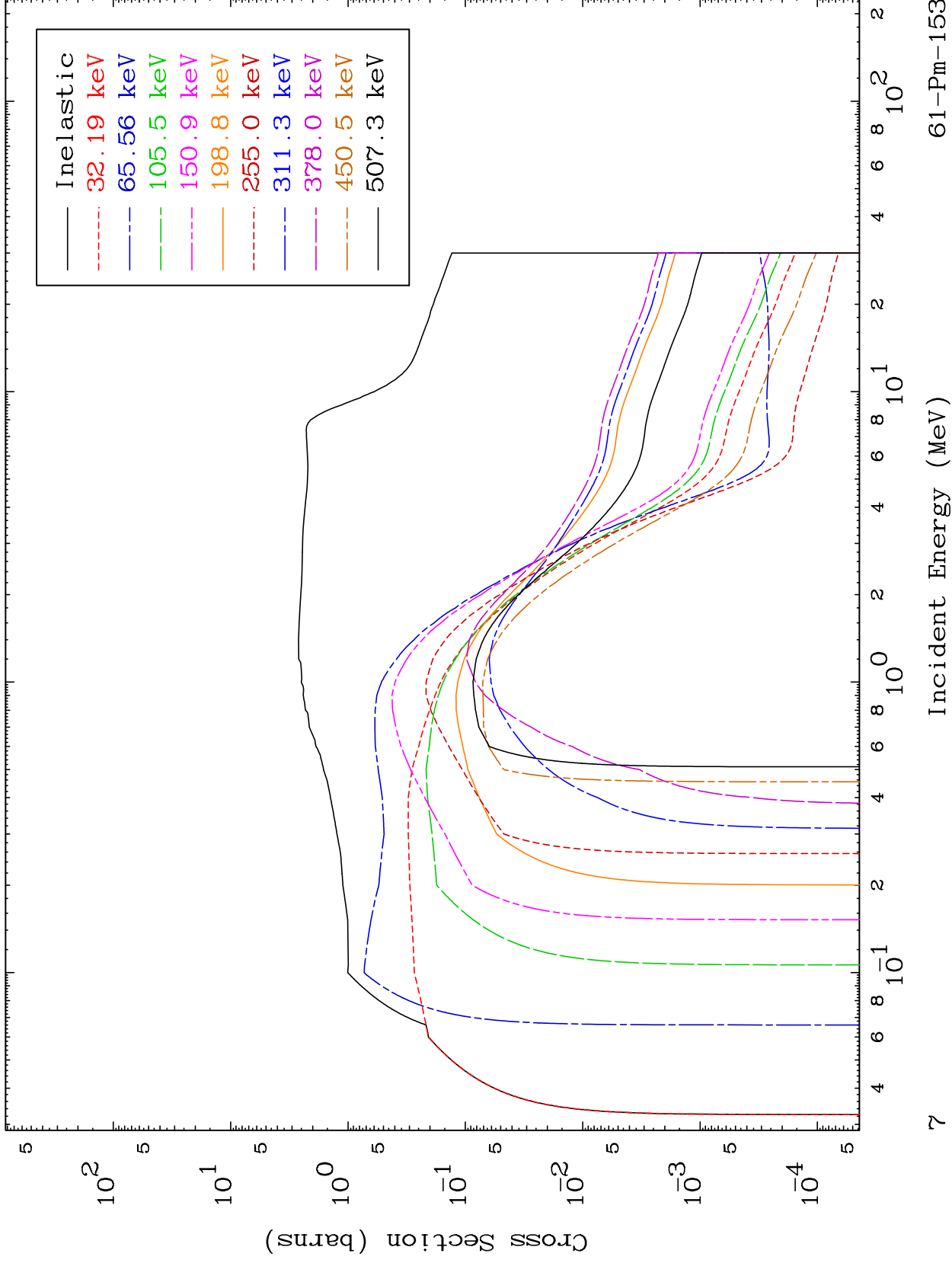
MAT 6167

Charged Particle
293 Kelvin Cross Sections

61-Pm-153



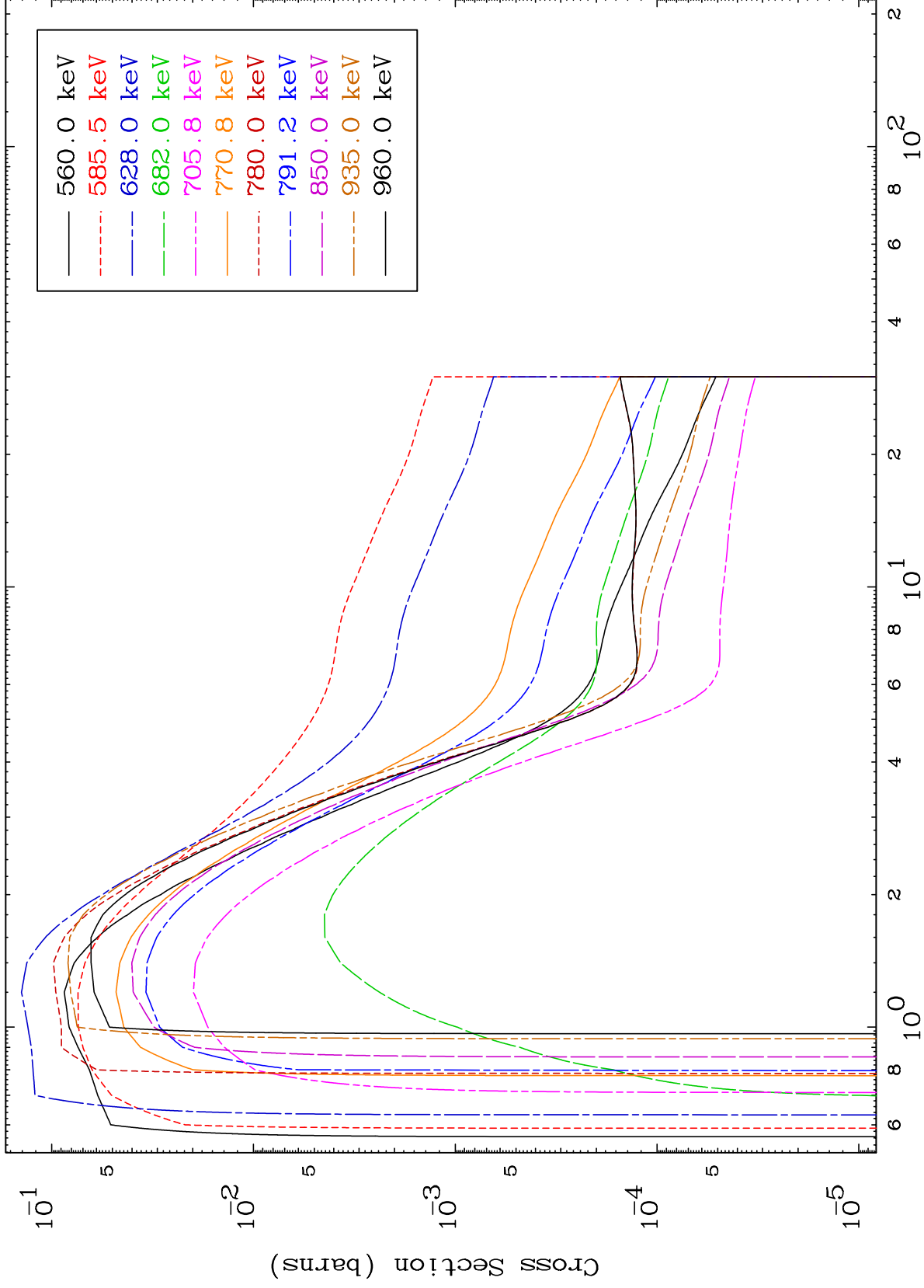




MAT 6167

(n,n') Level
293 Kelvin Cross Sections

61-Pm-153



8

Incident Energy (MeV)

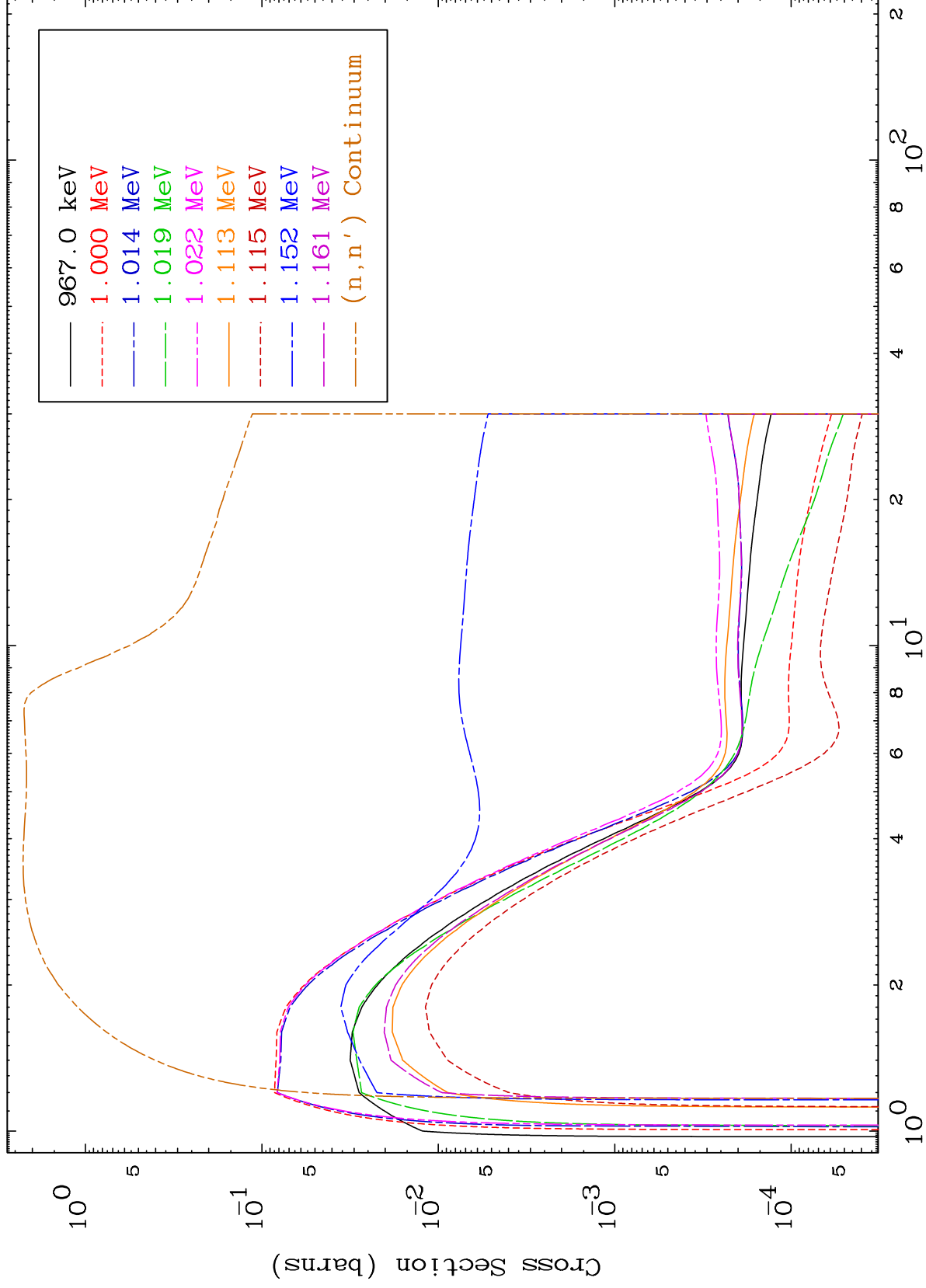
61-Pm-153

MAT 6167

(n,n') Level

61-Pm-153

293 Kelvin Cross Sections



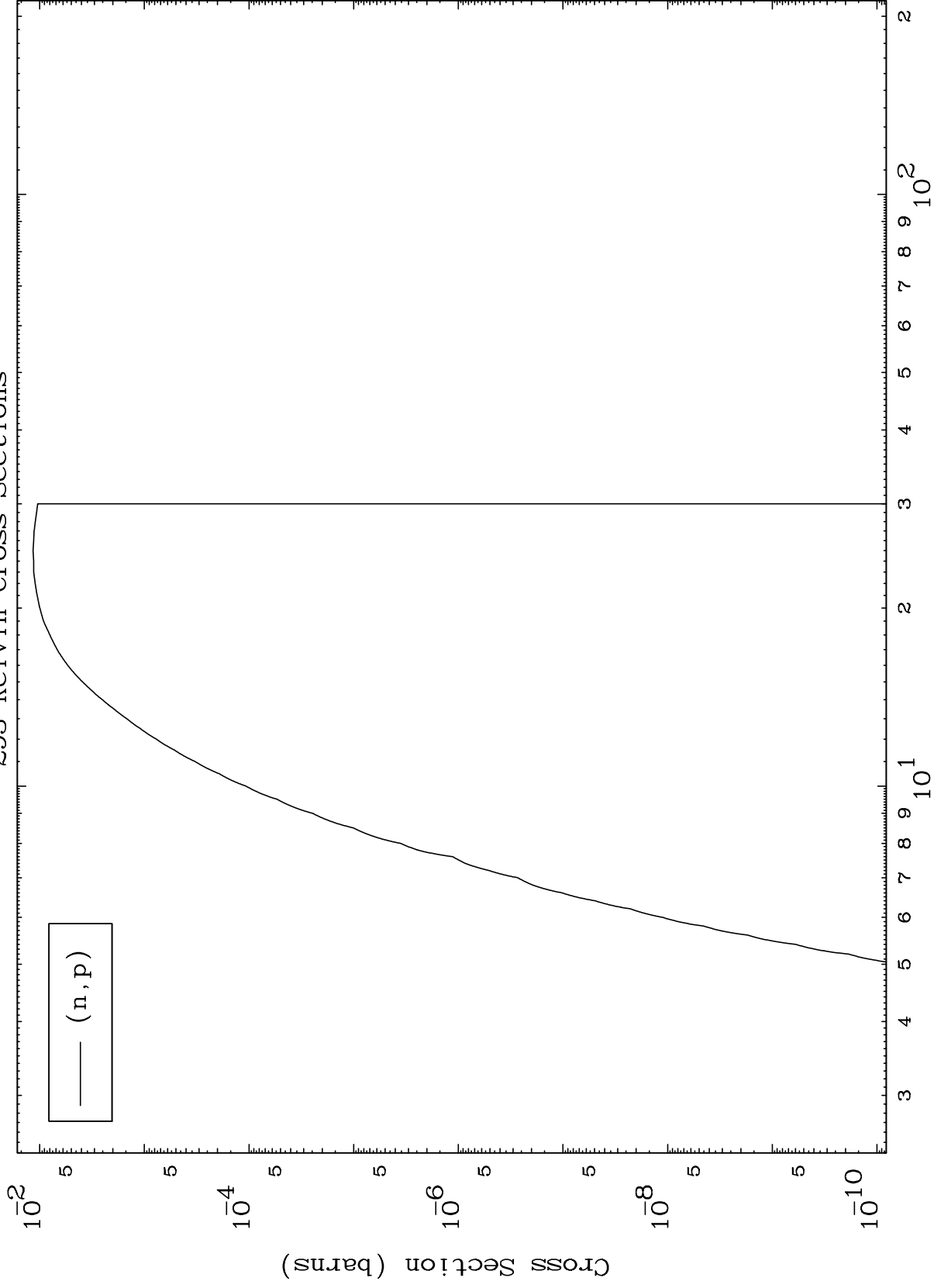
Incident Energy (MeV)

61-Pm-153

MAT 6167

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-153



10

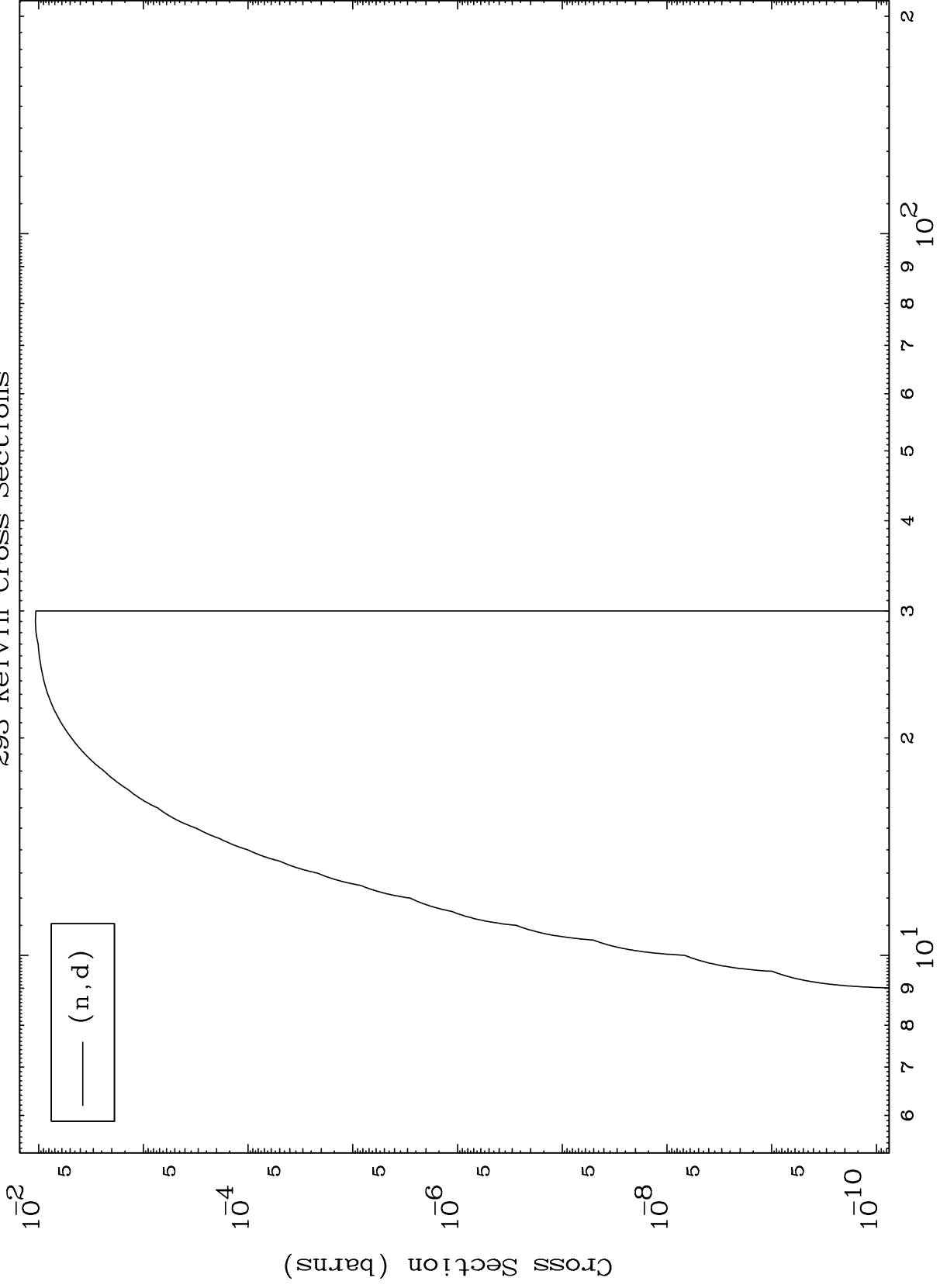
Incident Energy (MeV)

61-Pm-153

MAT 6167

(n,d) Levels
293 Kelvin Cross Sections

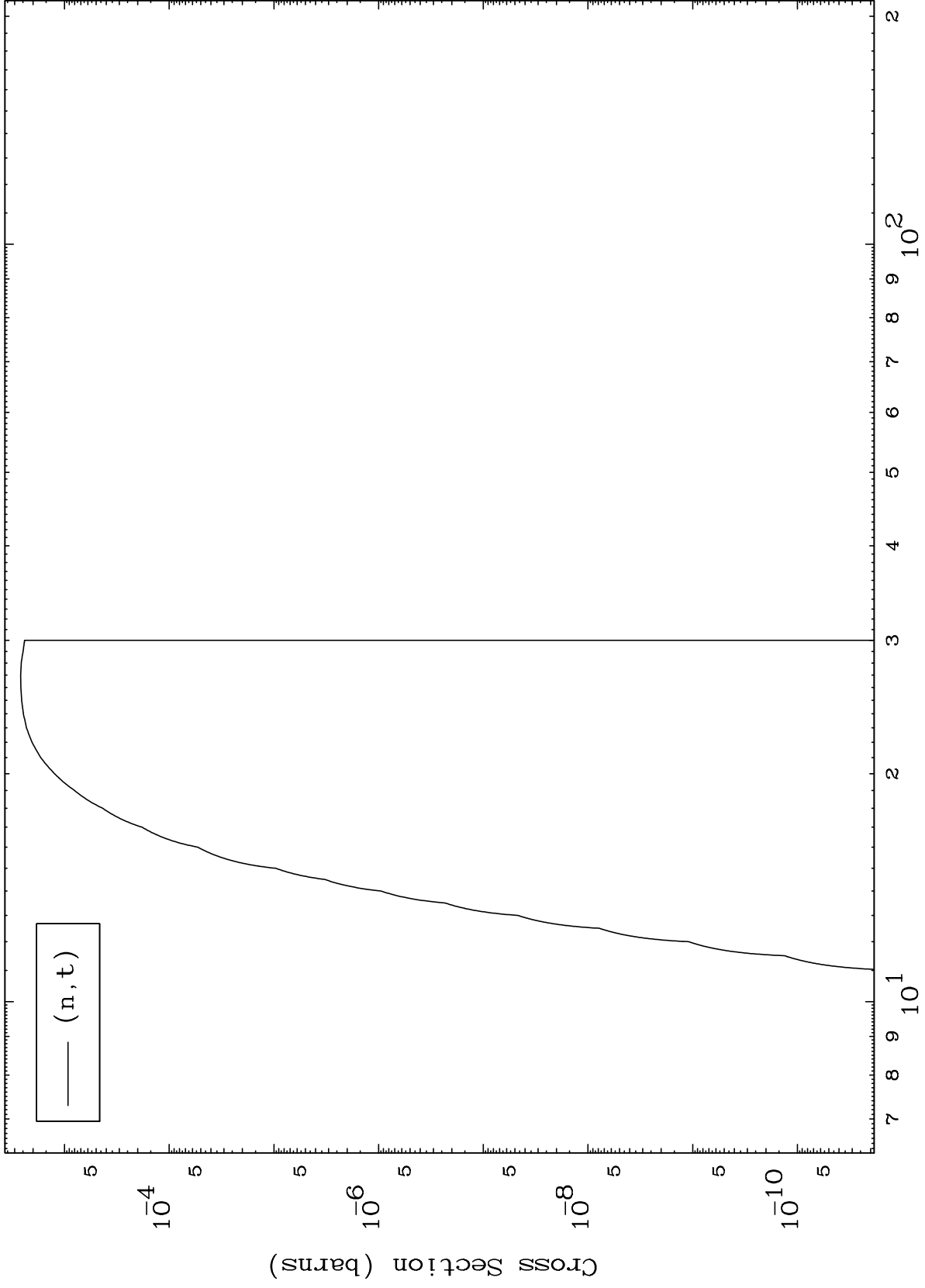
61-Pm-153



MAT 6167

(n,t) Levels
293 Kelvin Cross Sections

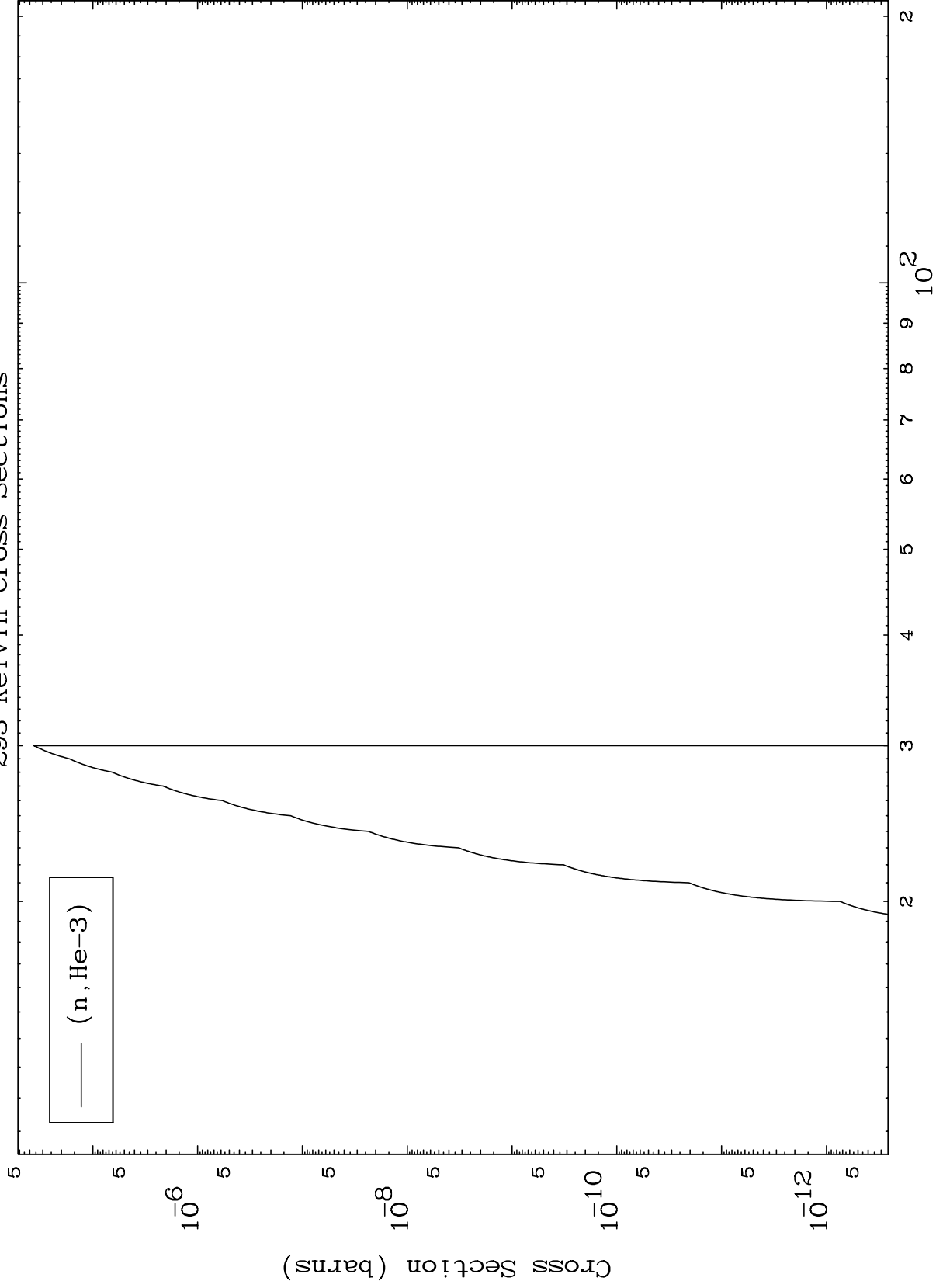
61-Pm-153



MAT 6167

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-153



13

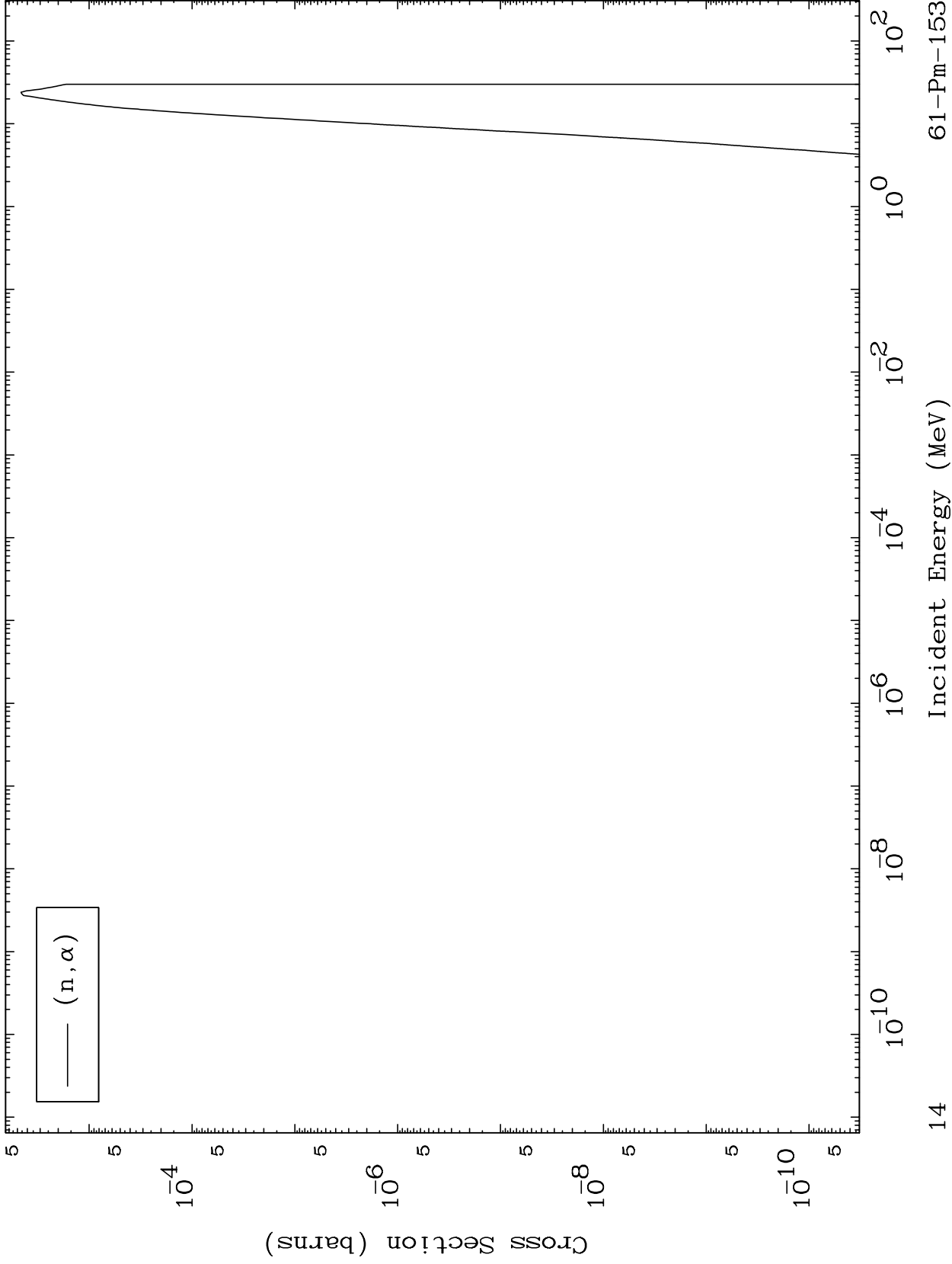
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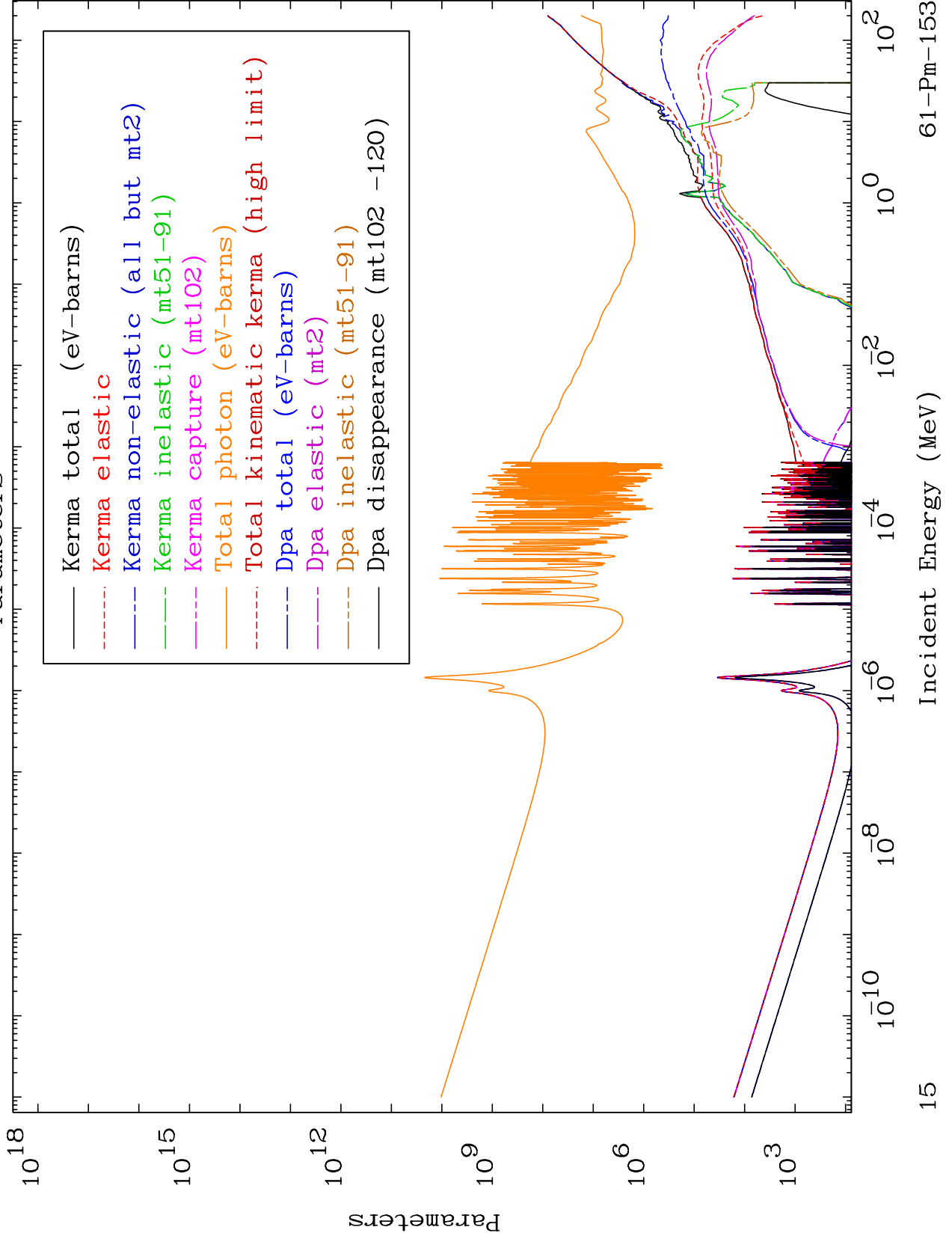
61-Pm-153

MAT 6167

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-153

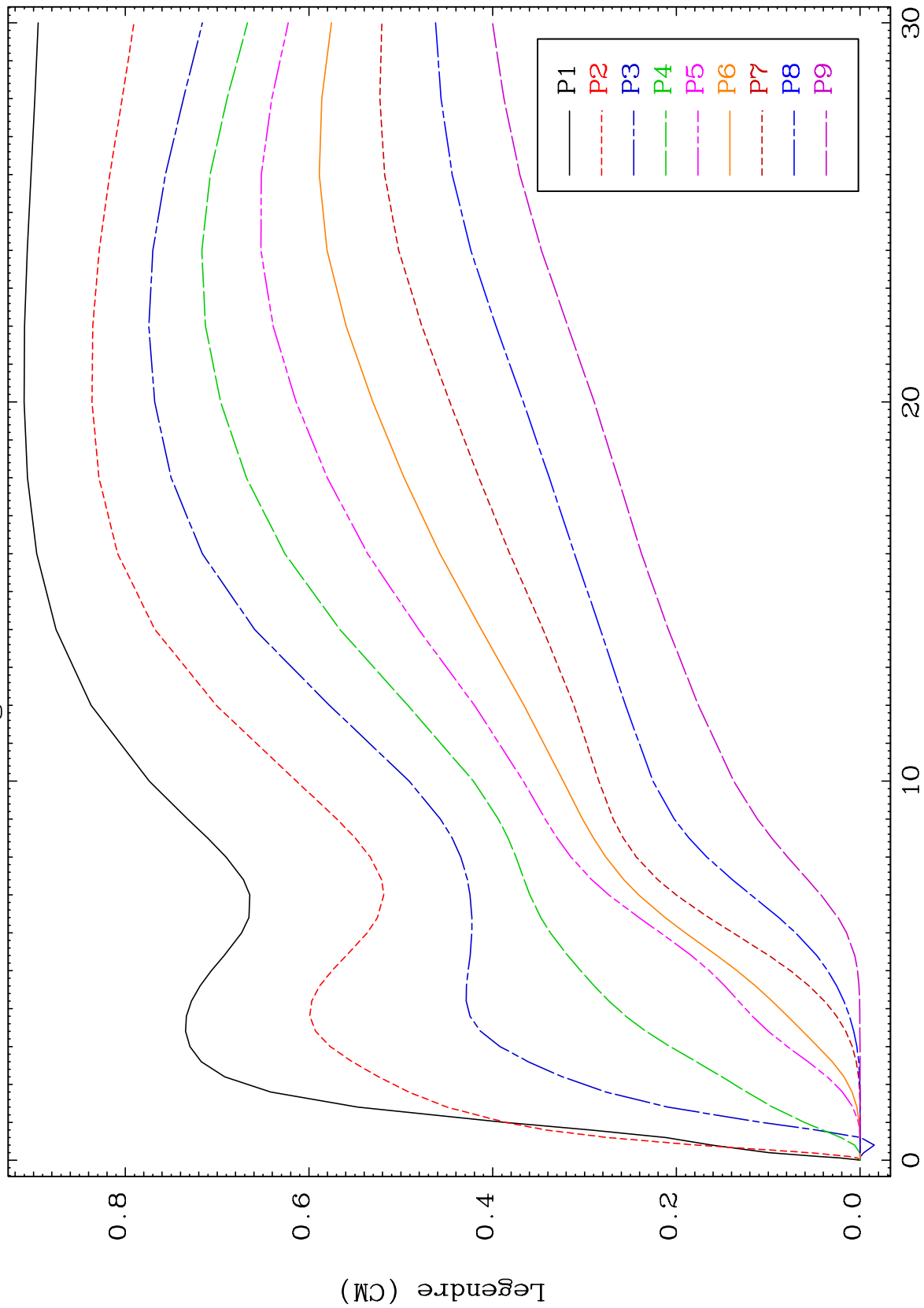




MAT 6167

Elastic Legendre Coefficients

61-Pm-153



16

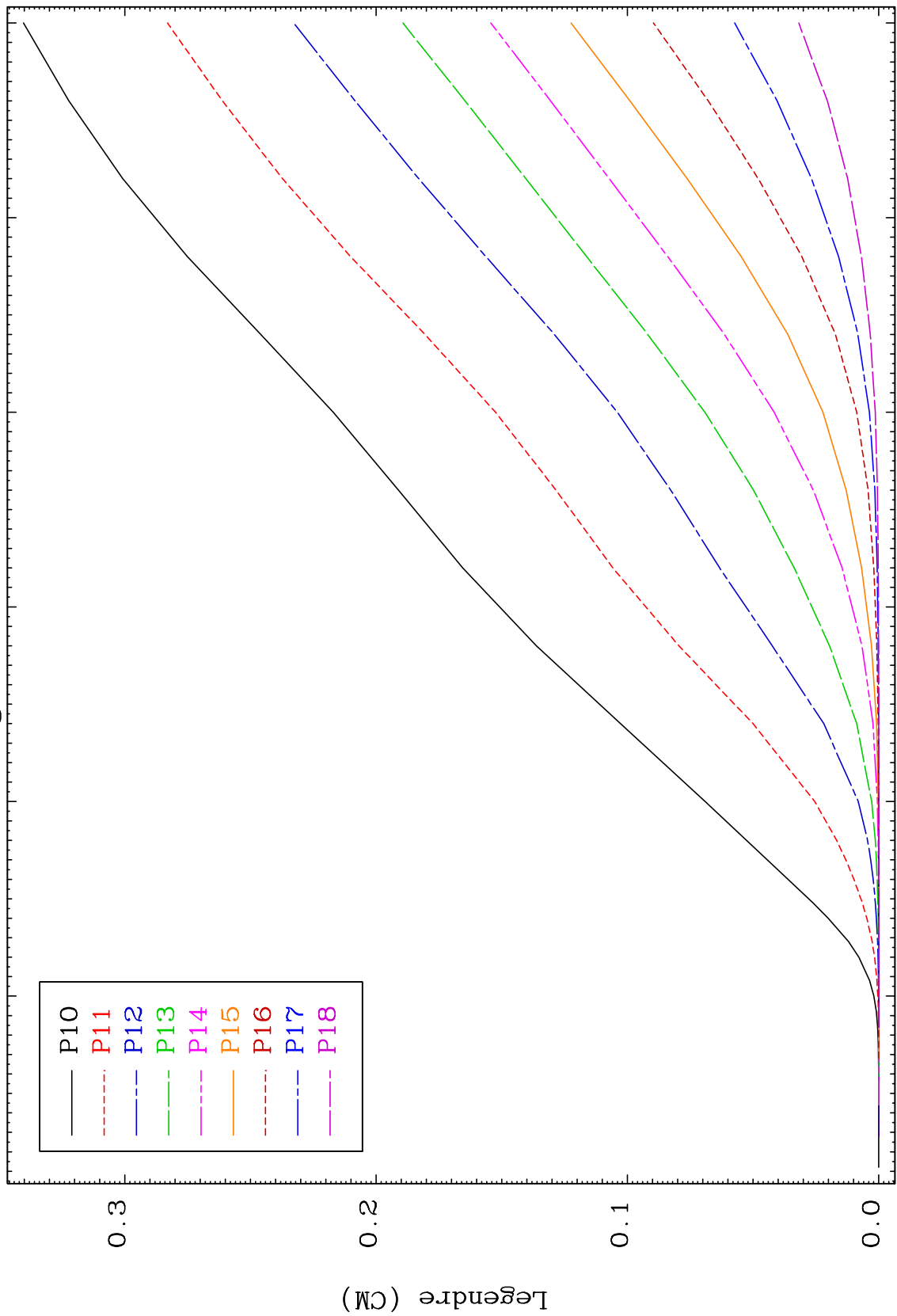
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



17

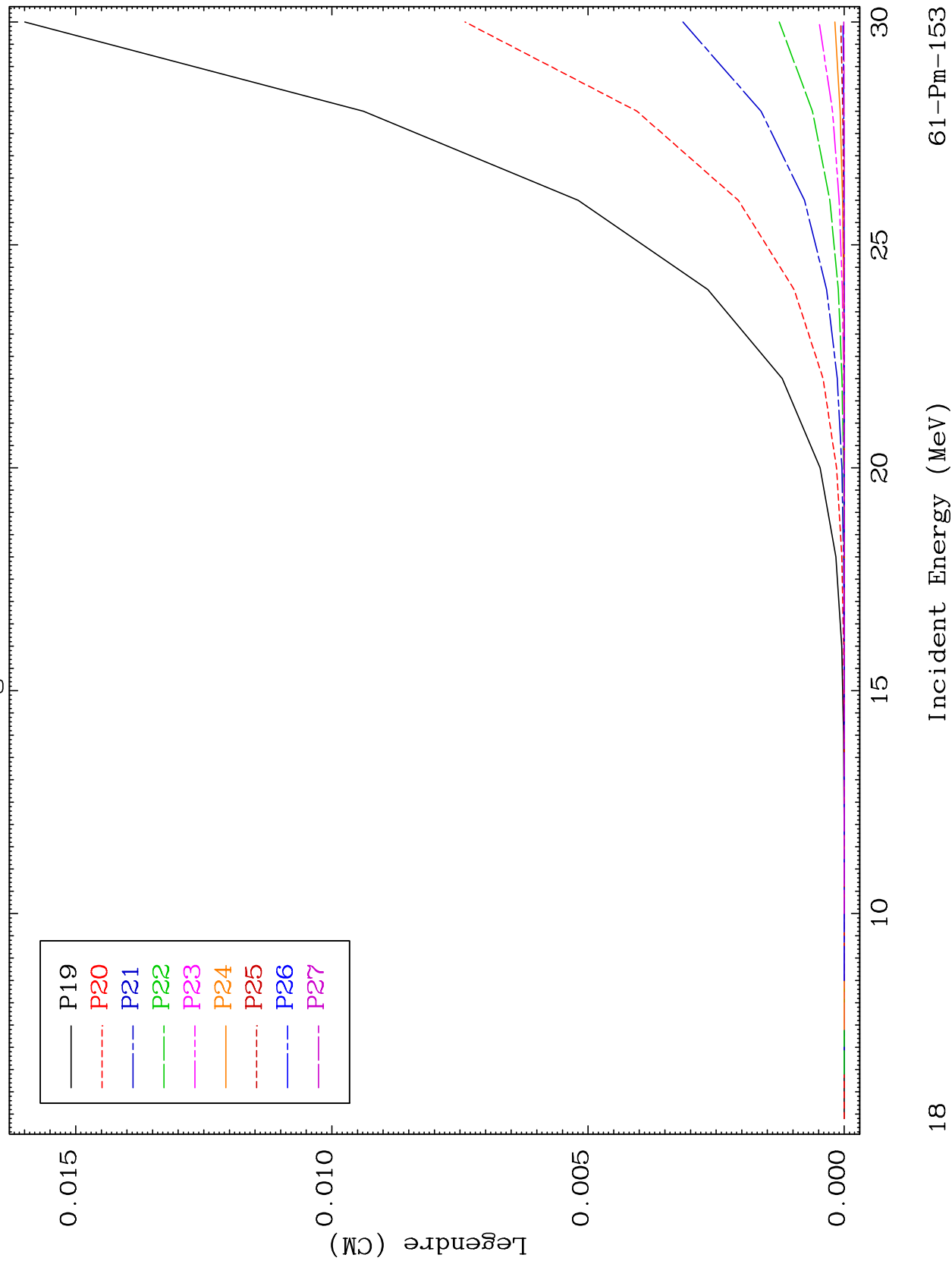
61-Pm-153

Incident Energy (MeV)

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



18

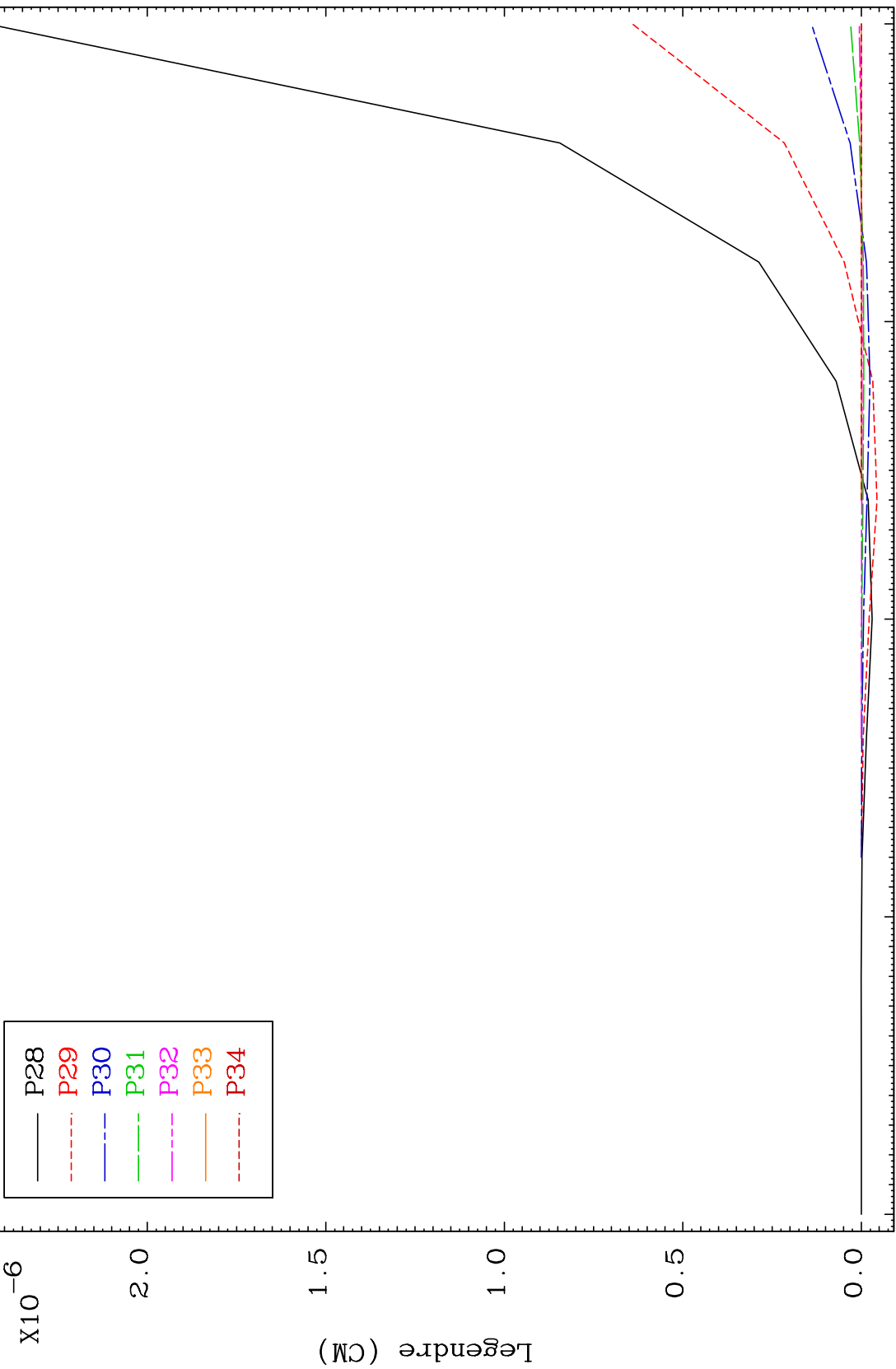
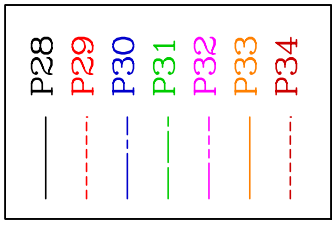
Incident Energy (MeV)

61-Pm-153

MAT 6167

Elastic Legendre Coefficients

61-Pm-153



61-Pm-153

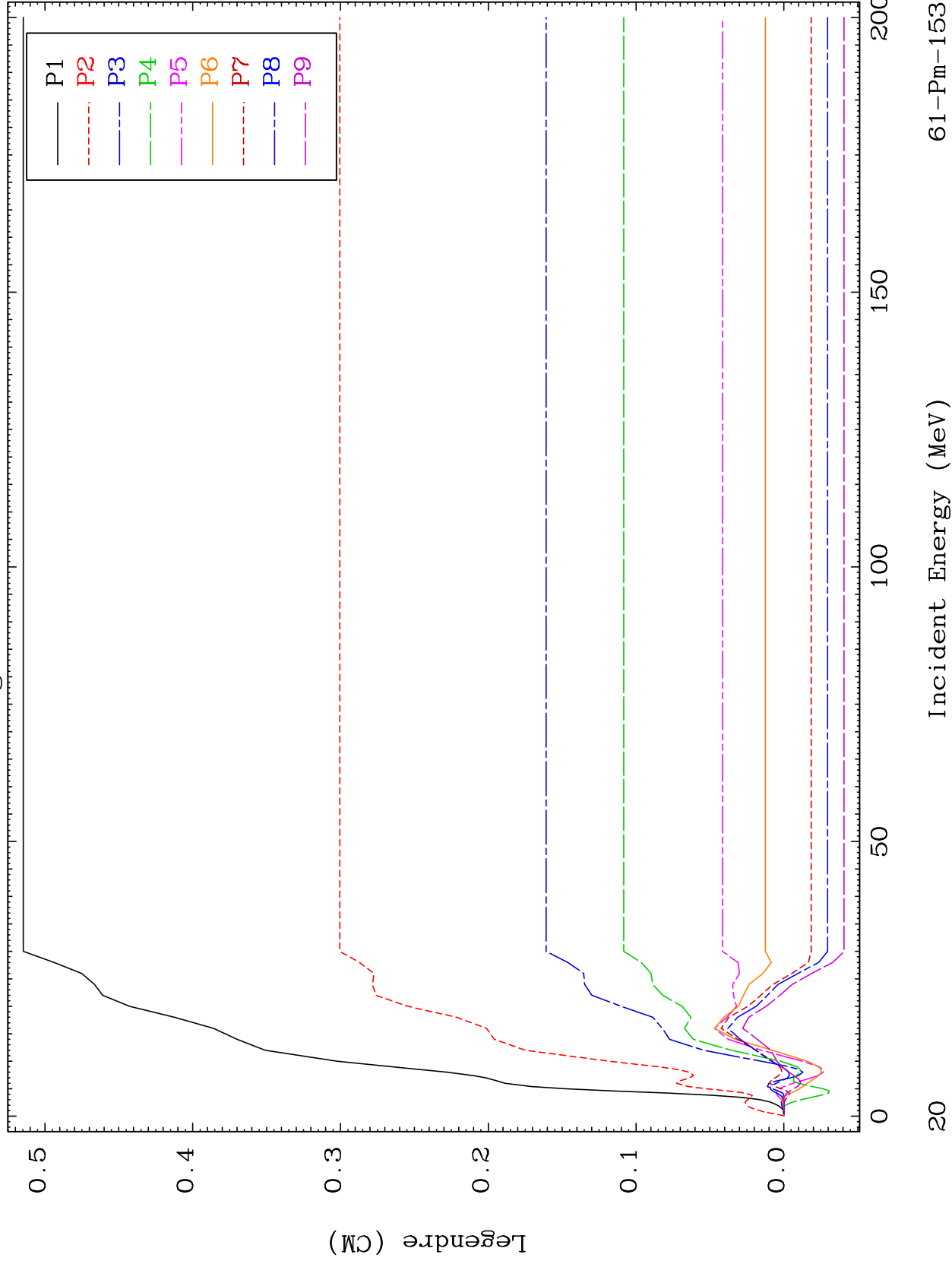
Incident Energy (MeV)

19

MAT 6167

32.19 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

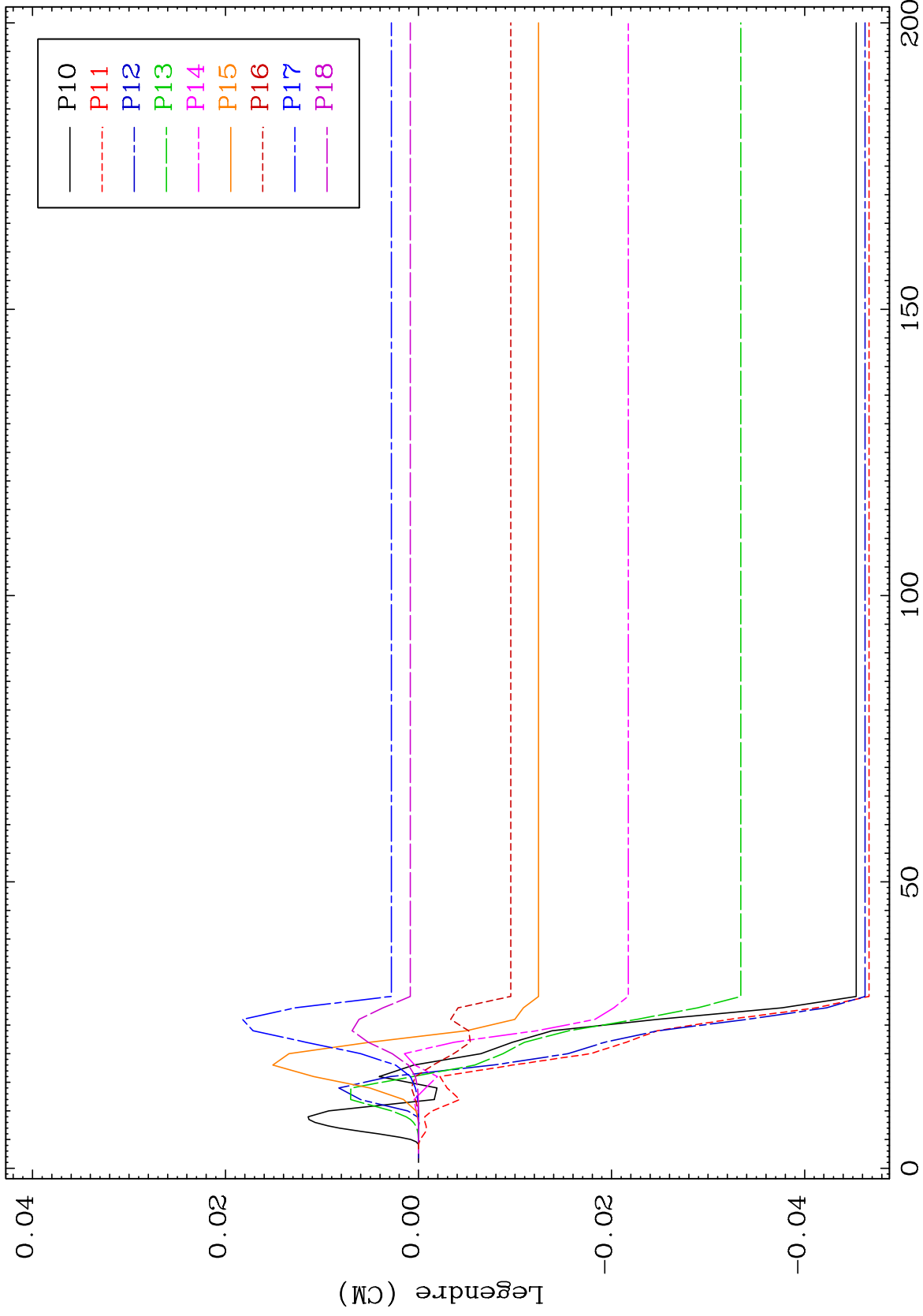
Incident Energy (MeV)

0

MAT 6167

32.19 keV (n,n') Level
Legendre Coefficients

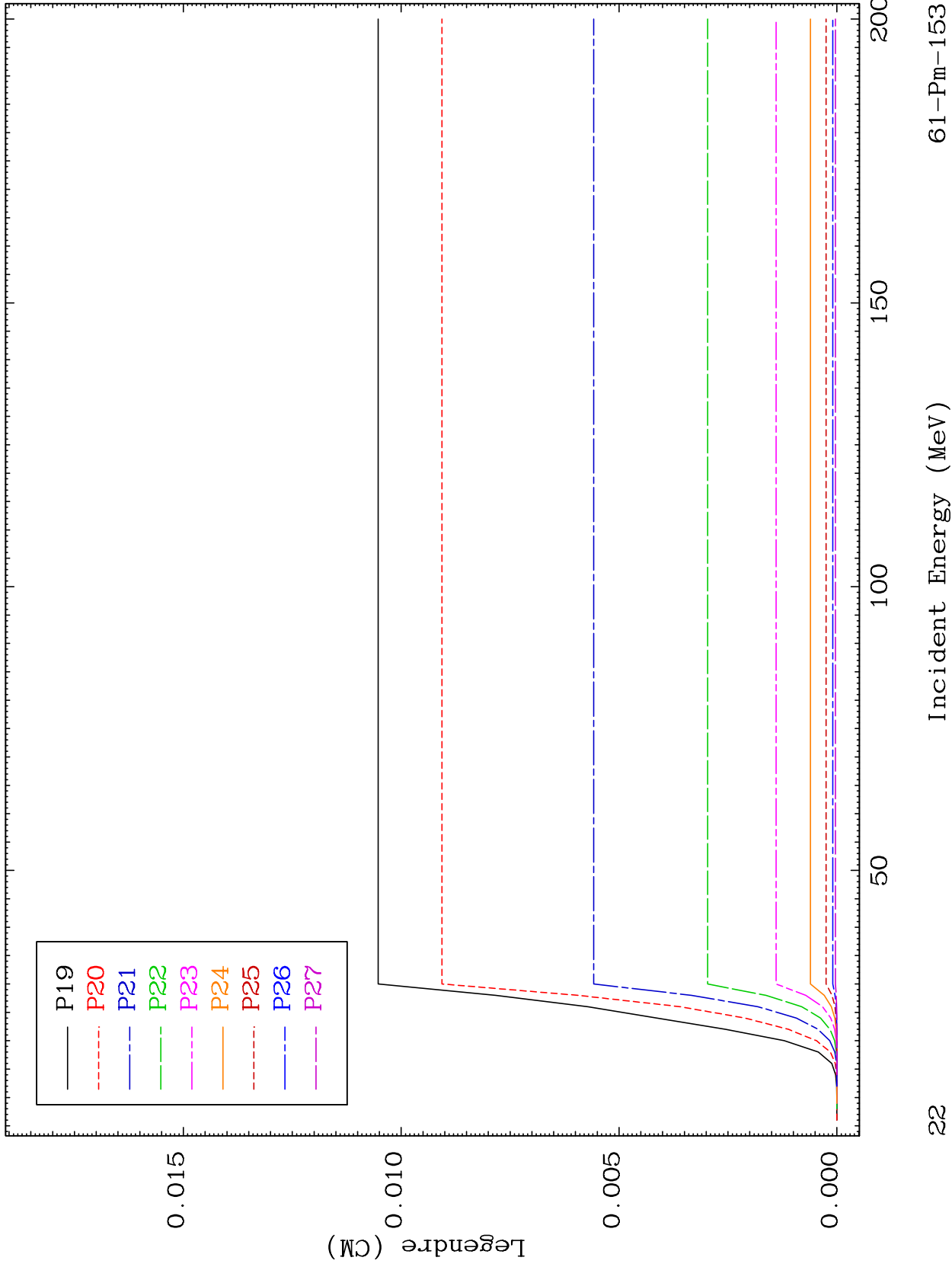
61-Pm-153



21

Incident Energy (MeV)

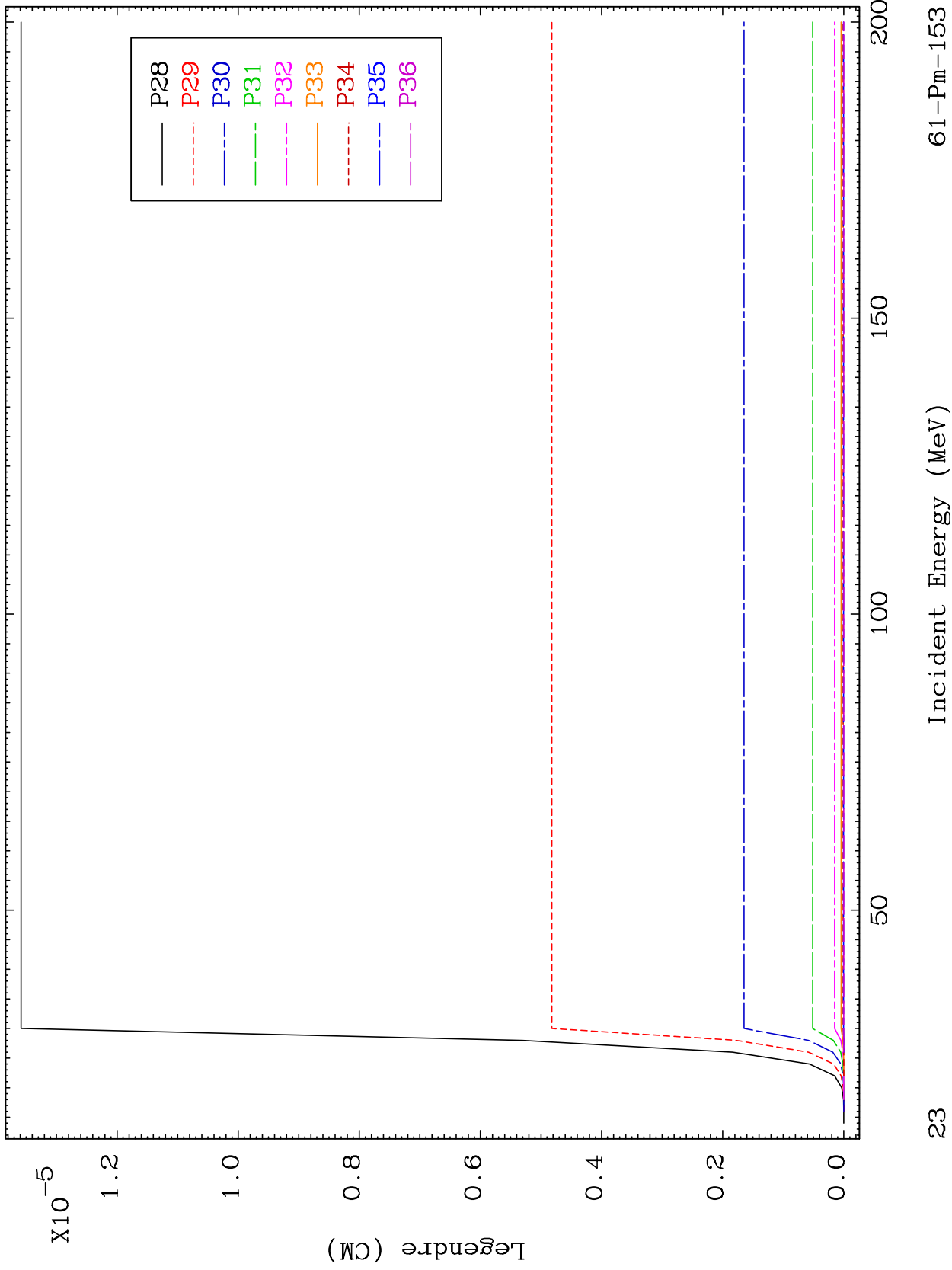
61-Pm-153



MAT 6167

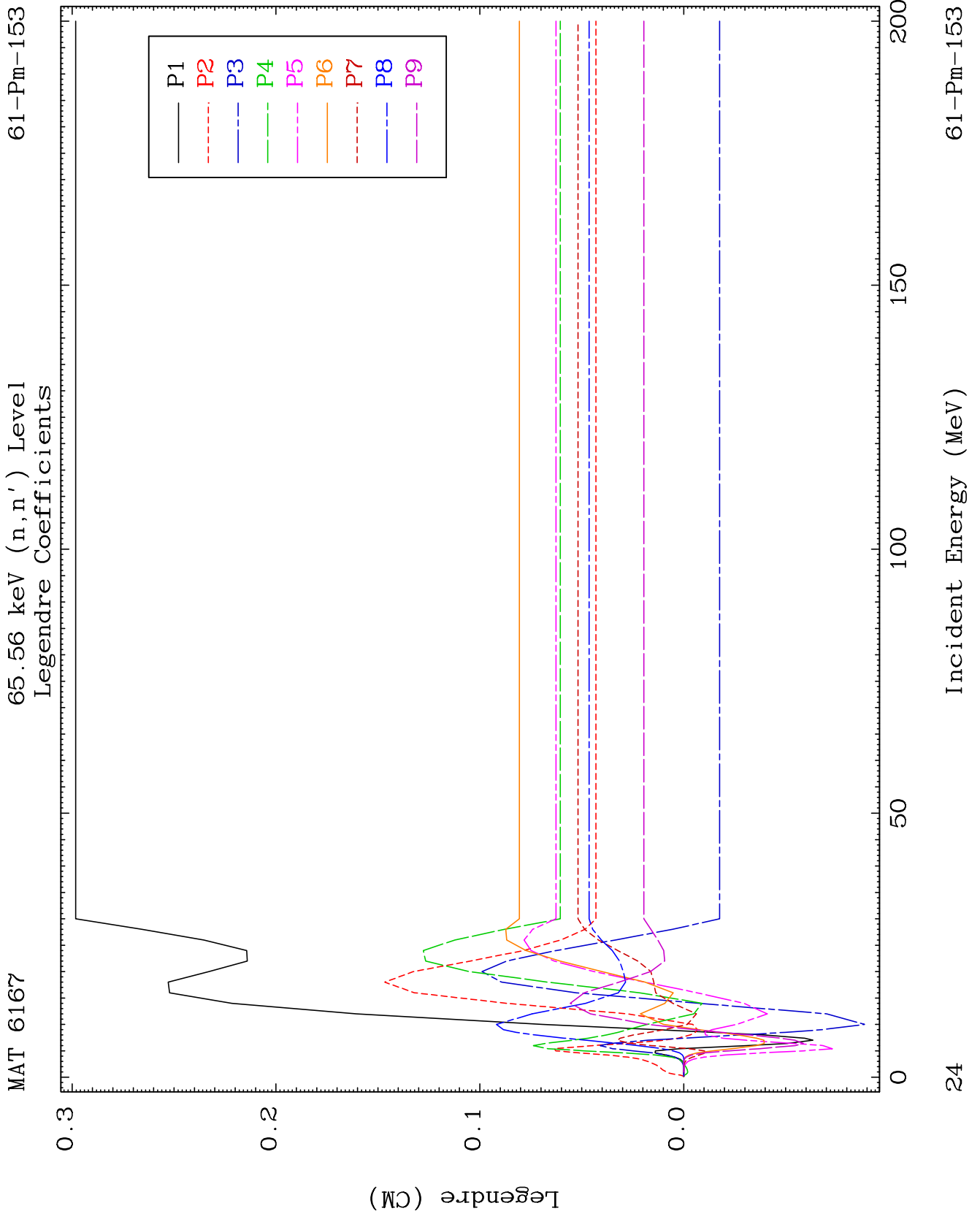
32.19 keV (n,n') Level
Legendre Coefficients

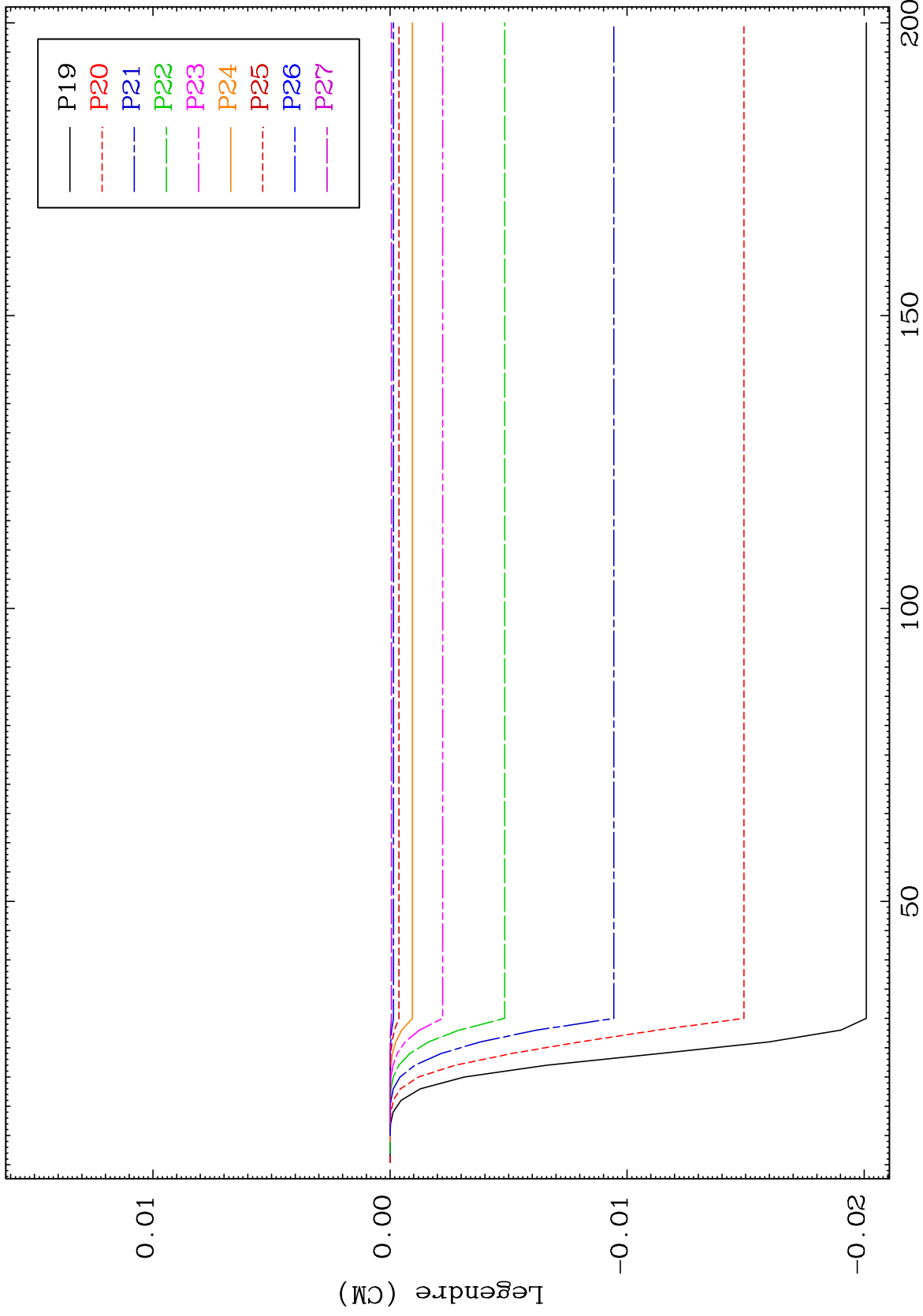
61-Pm-153



23

61-Pm-153

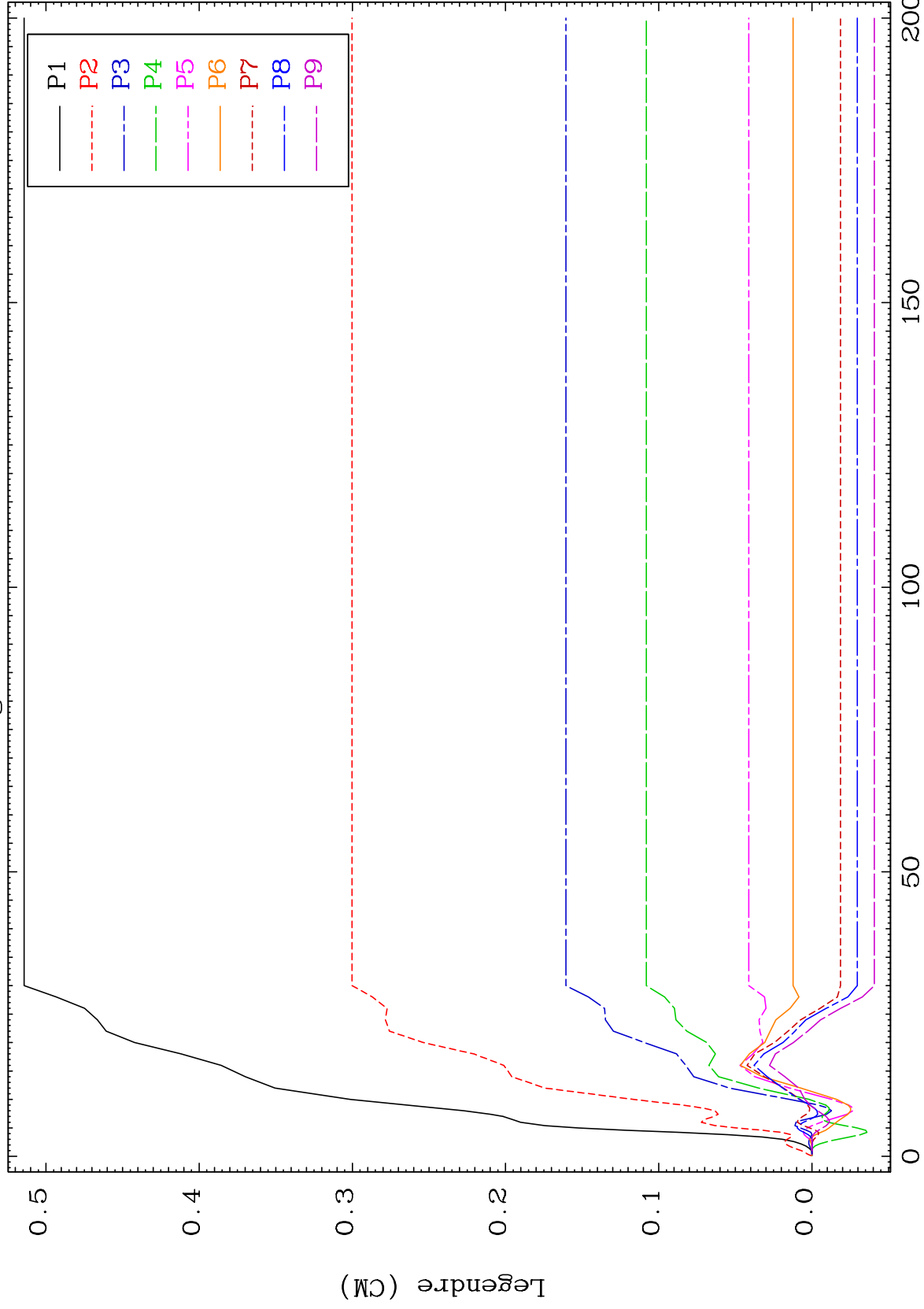




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105.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153



28

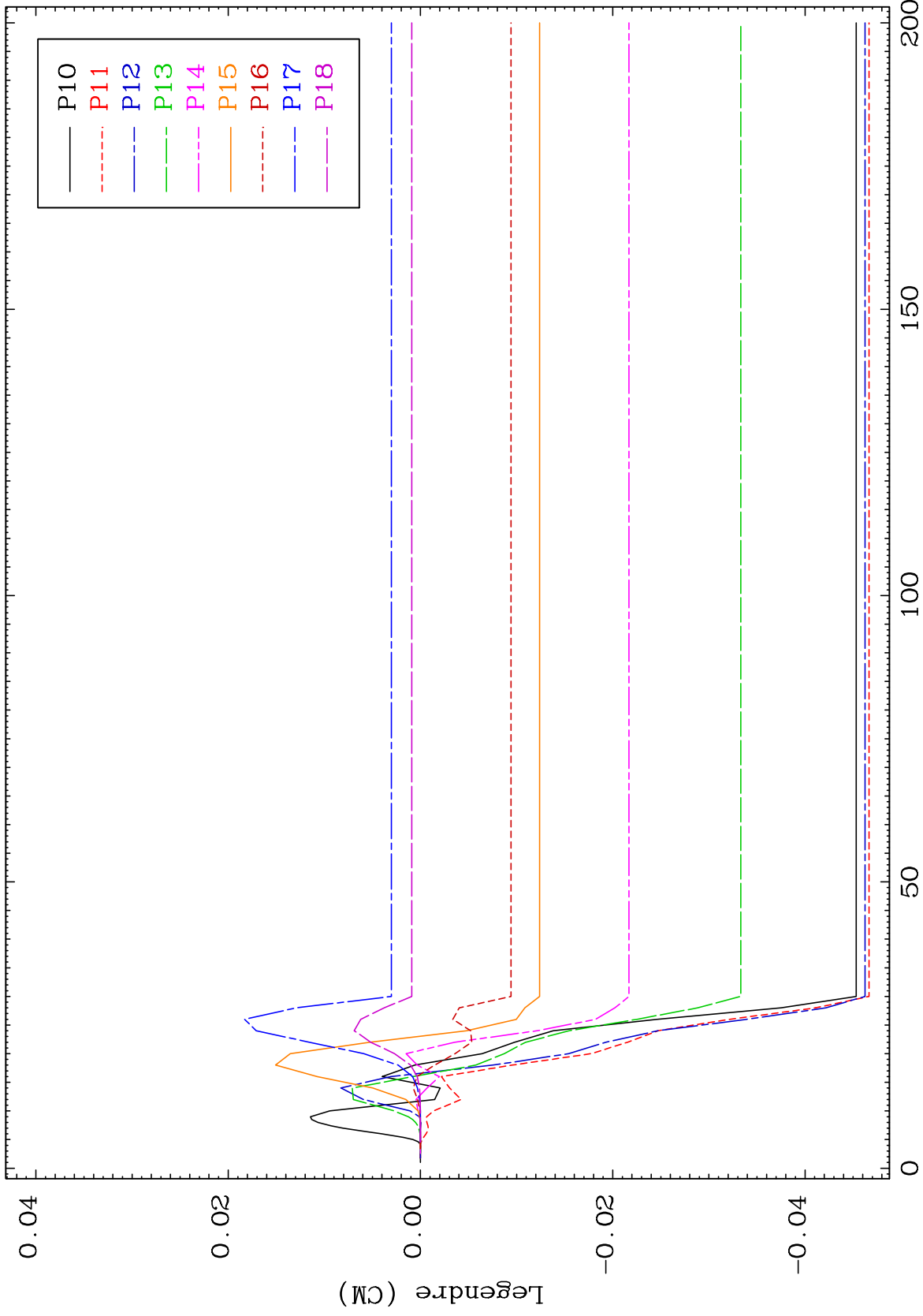
61-Pm-153

61-Pm-153

MAT 6167

105.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153



29

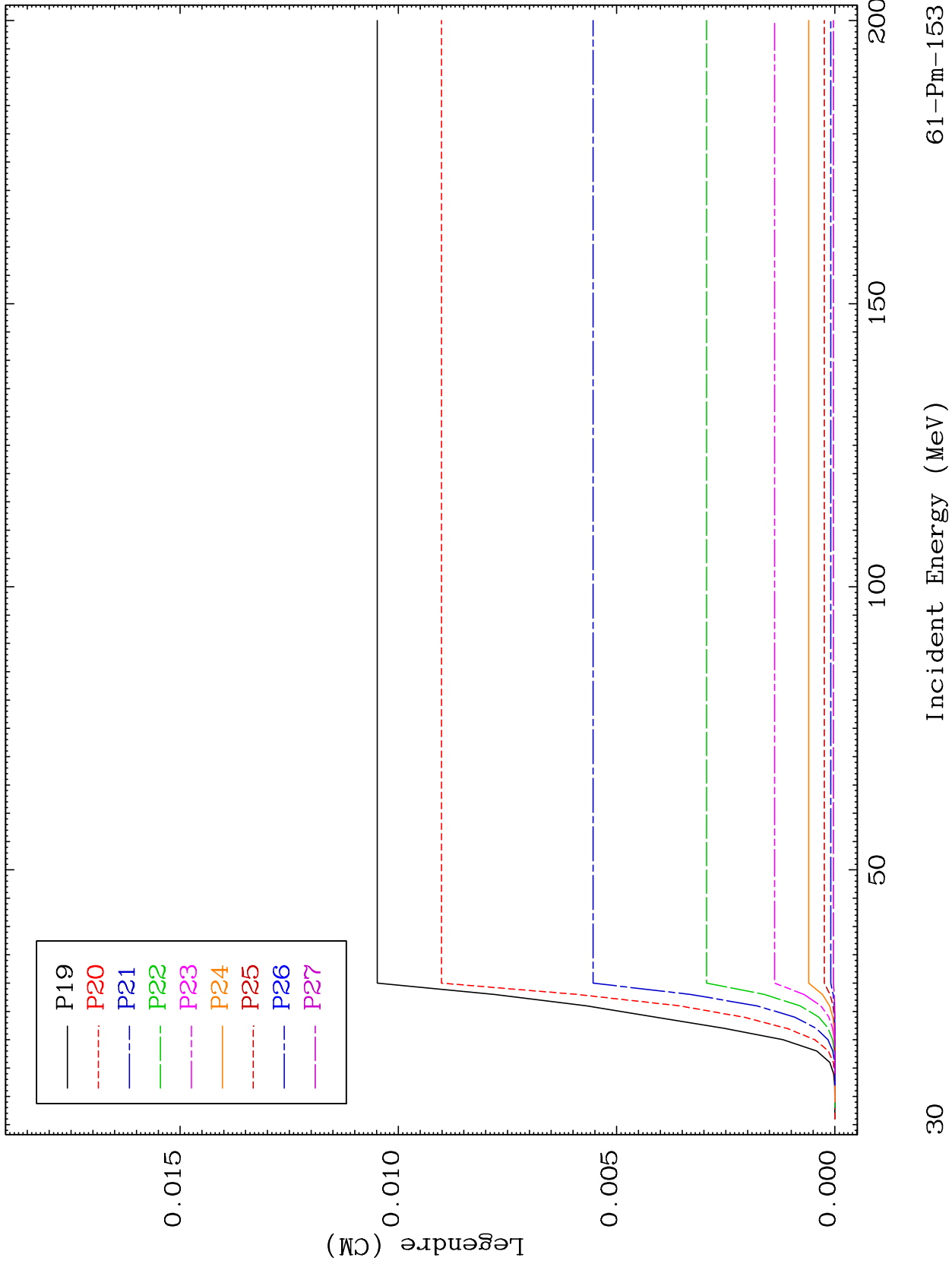
Incident Energy (MeV)

61-Pm-153

MAT 6167

105.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

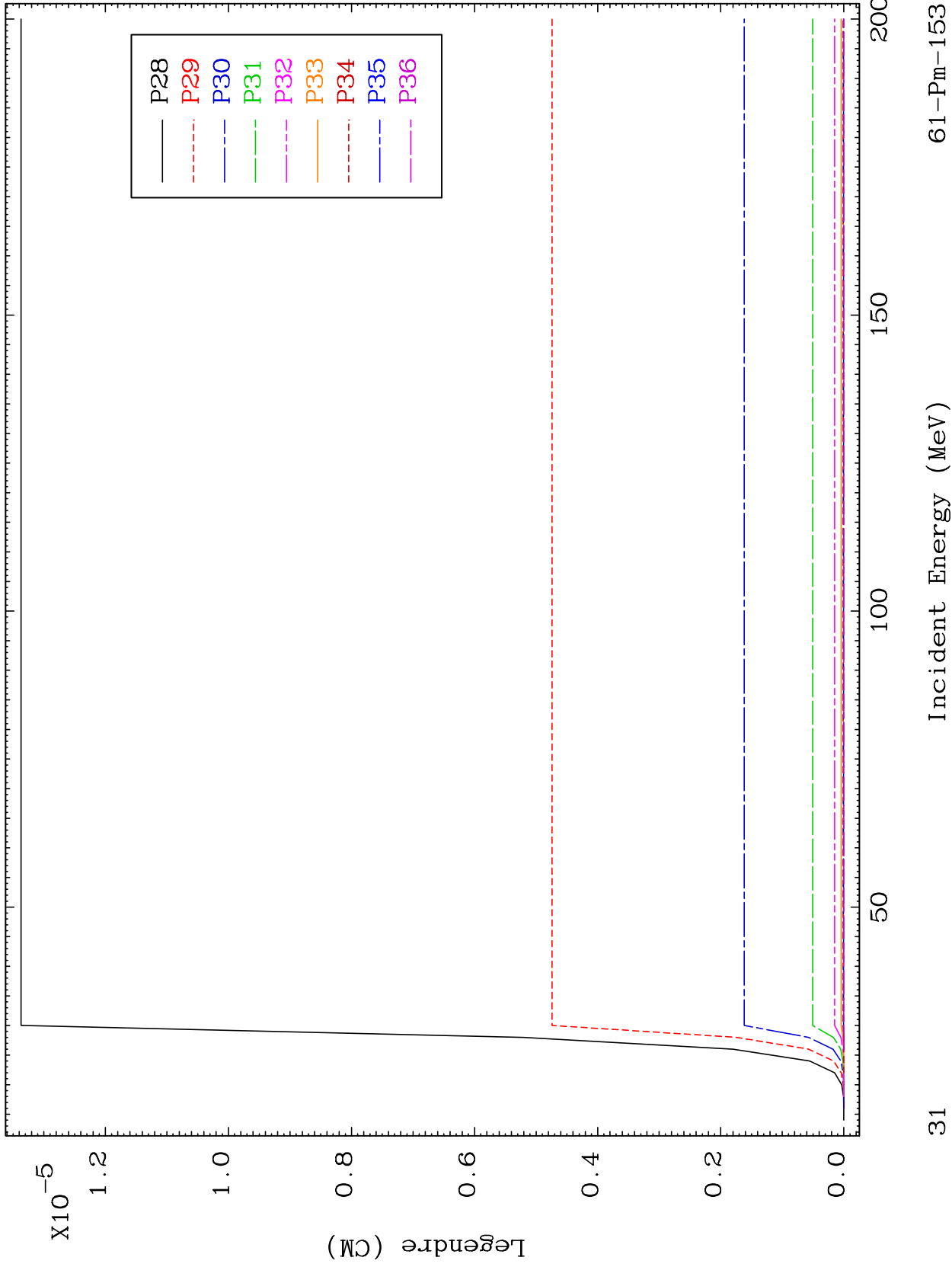
Incident Energy (MeV)

30

MAT 6167

105.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153



31

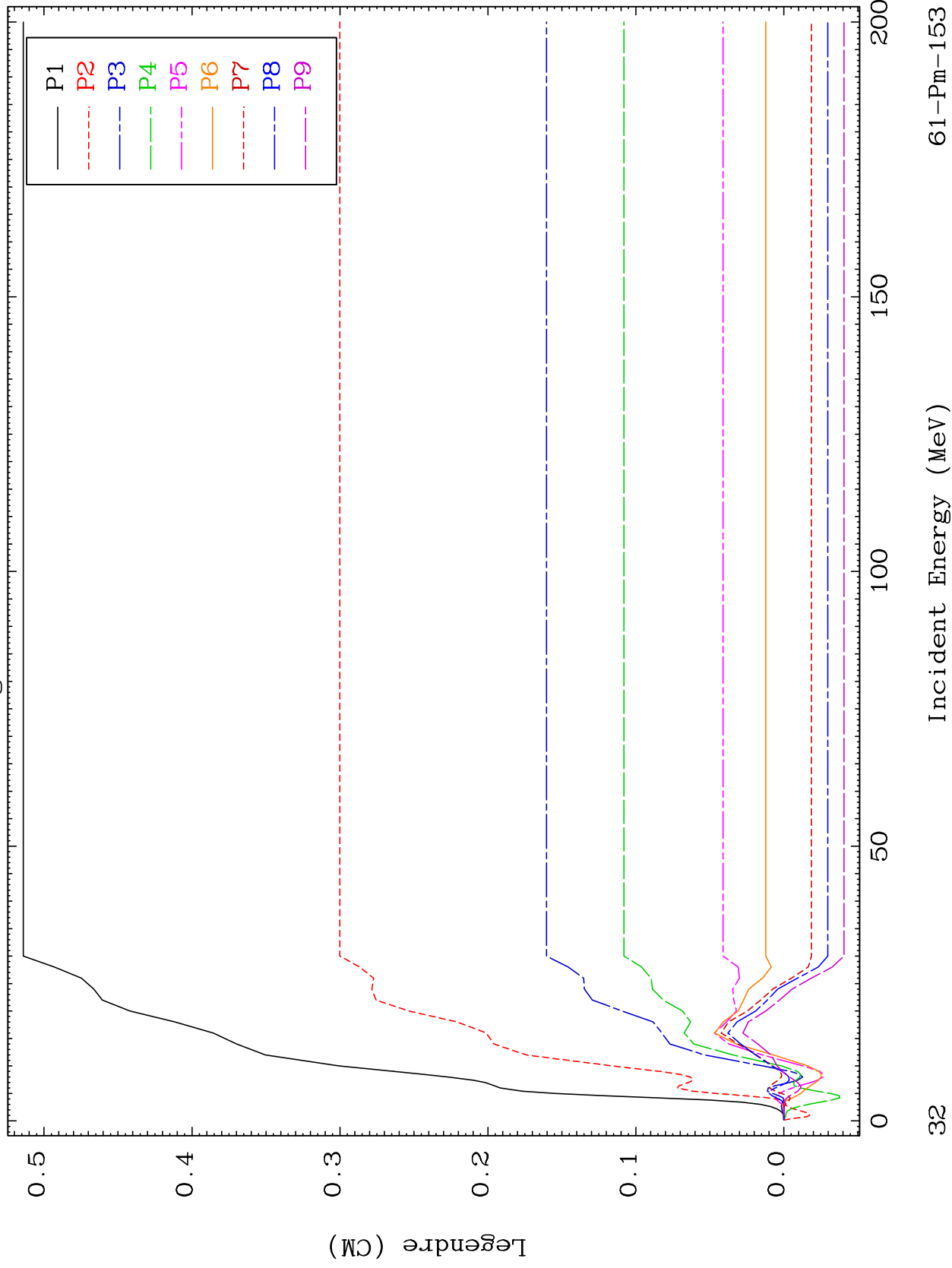
Incident Energy (MeV)

61-Pm-153

MAT 6167

150.9 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

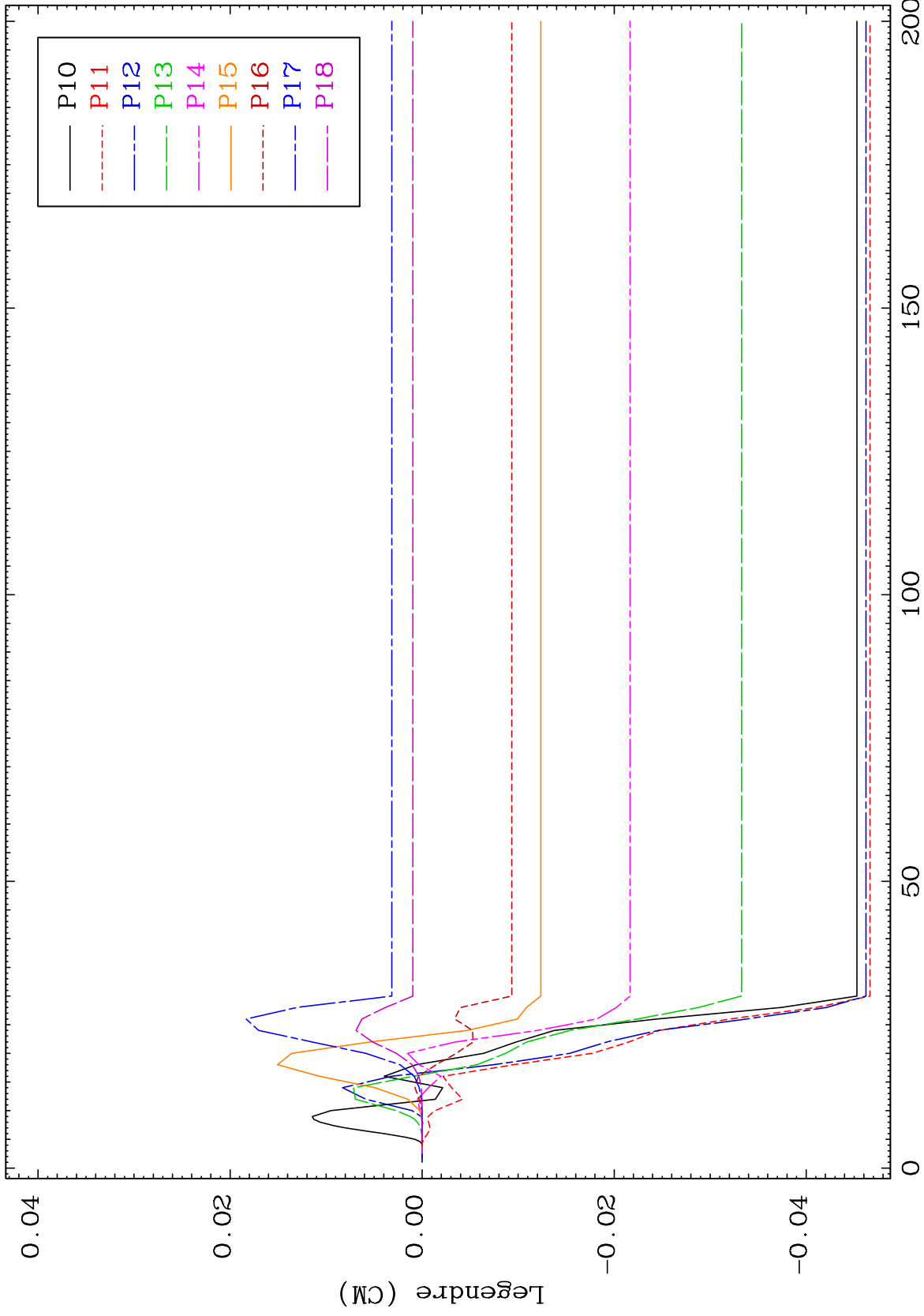
Incident Energy (MeV)

32

MAT 6167

150.9 keV (n,n') Level
Legendre Coefficients

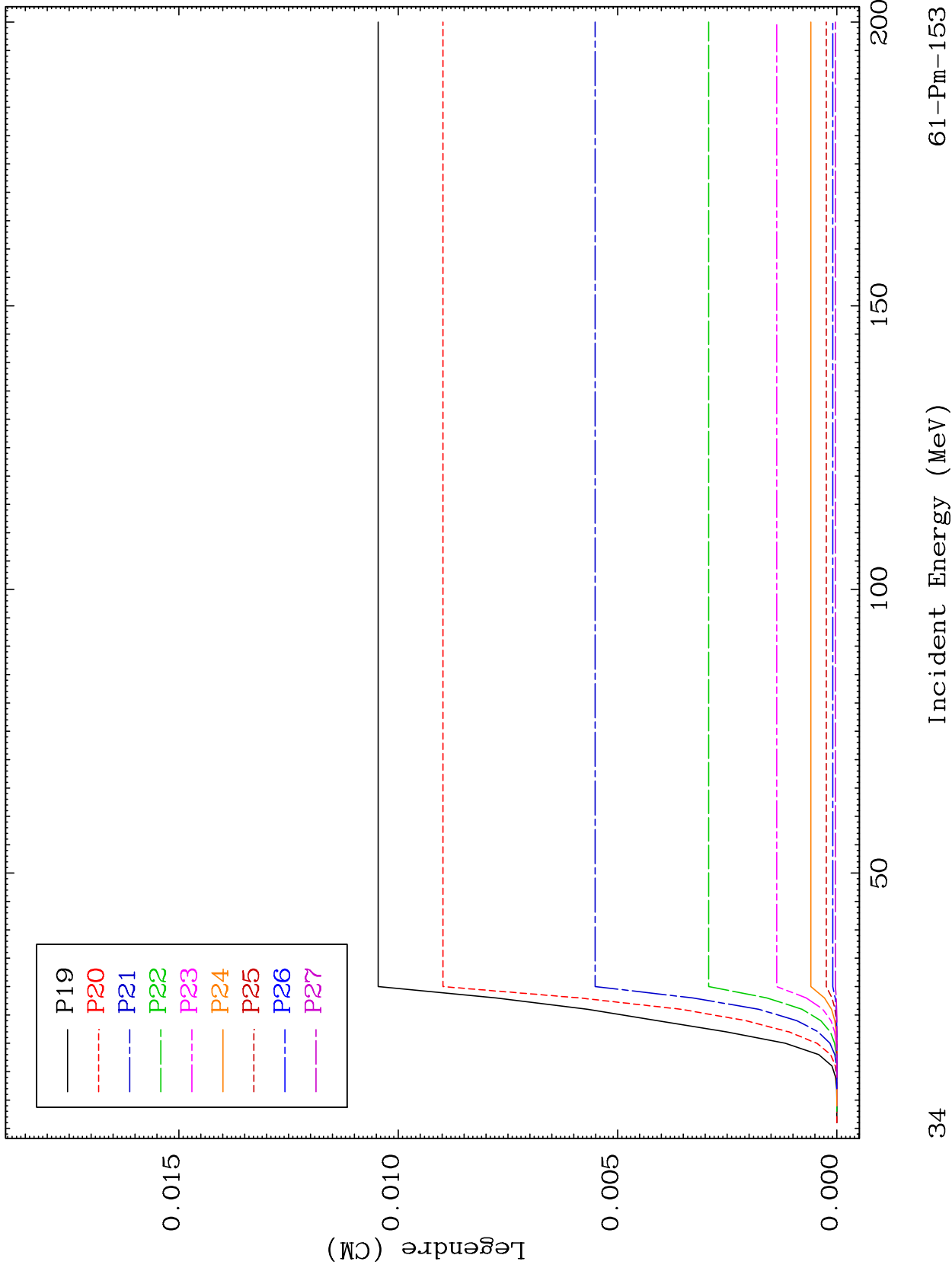
61-Pm-153



33

Incident Energy (MeV)

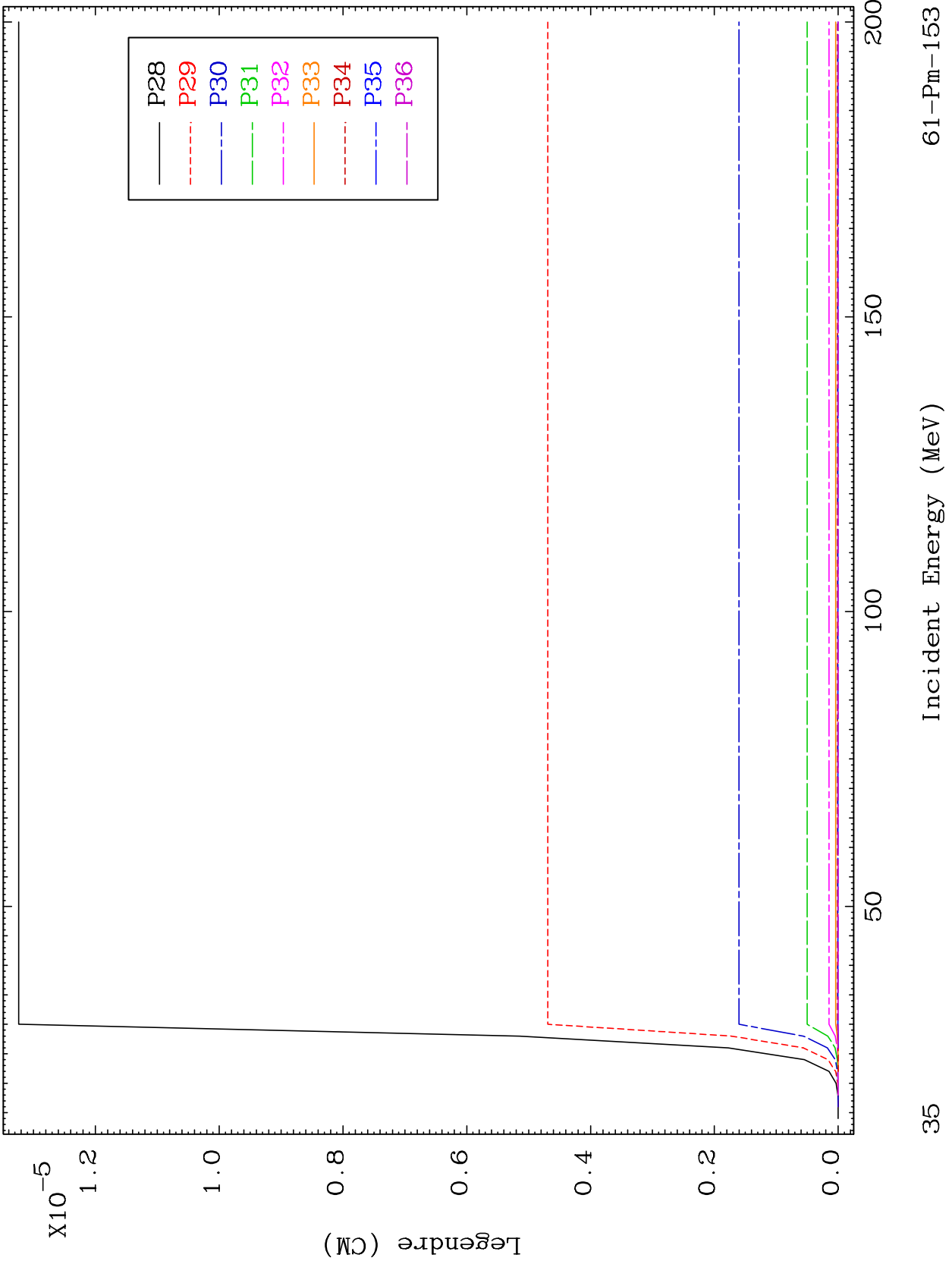
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MAT 6167

150.9 keV (n,n') Level
Legendre Coefficients

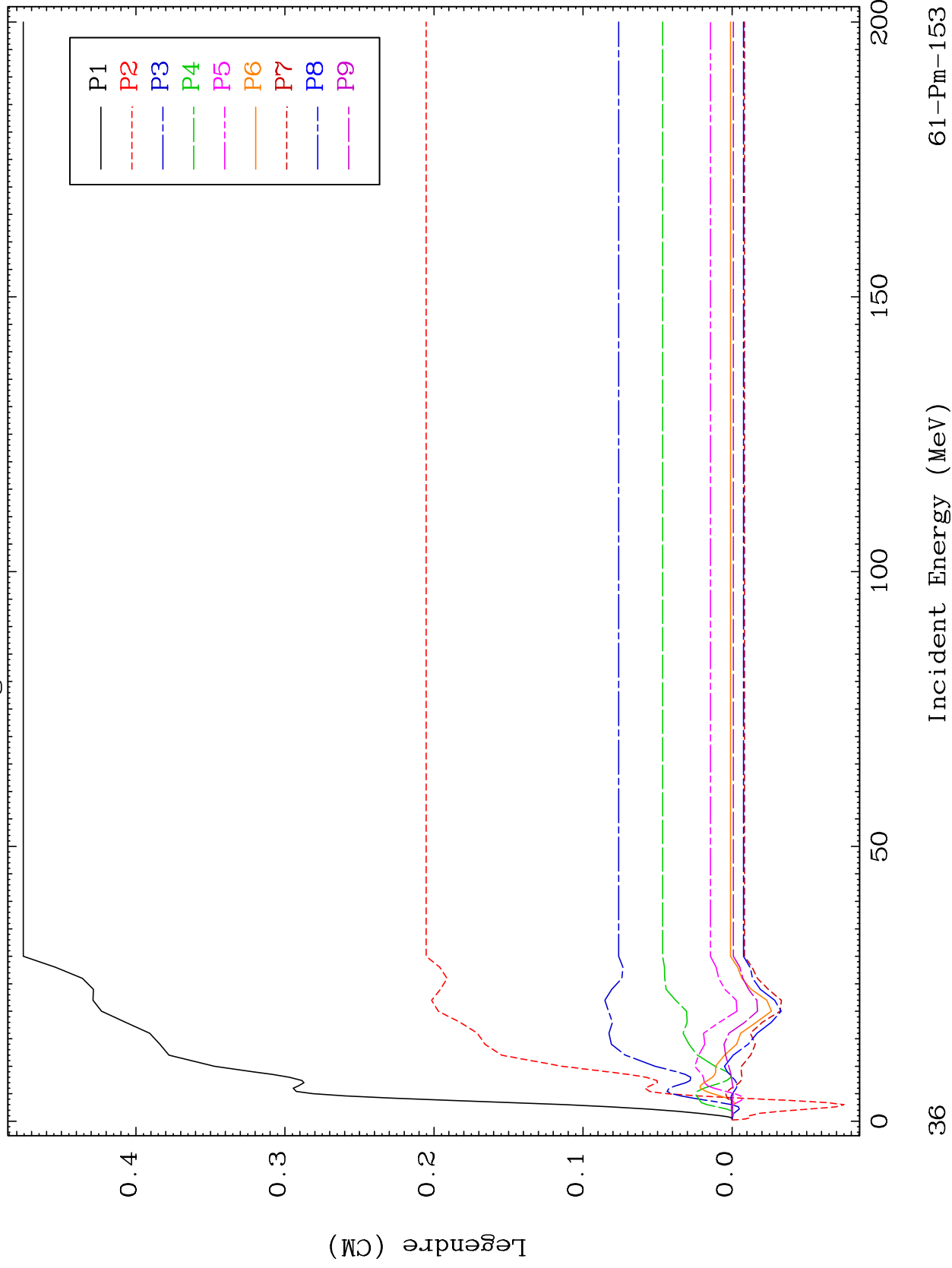
61-Pm-153



MAT 6167

198.8 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

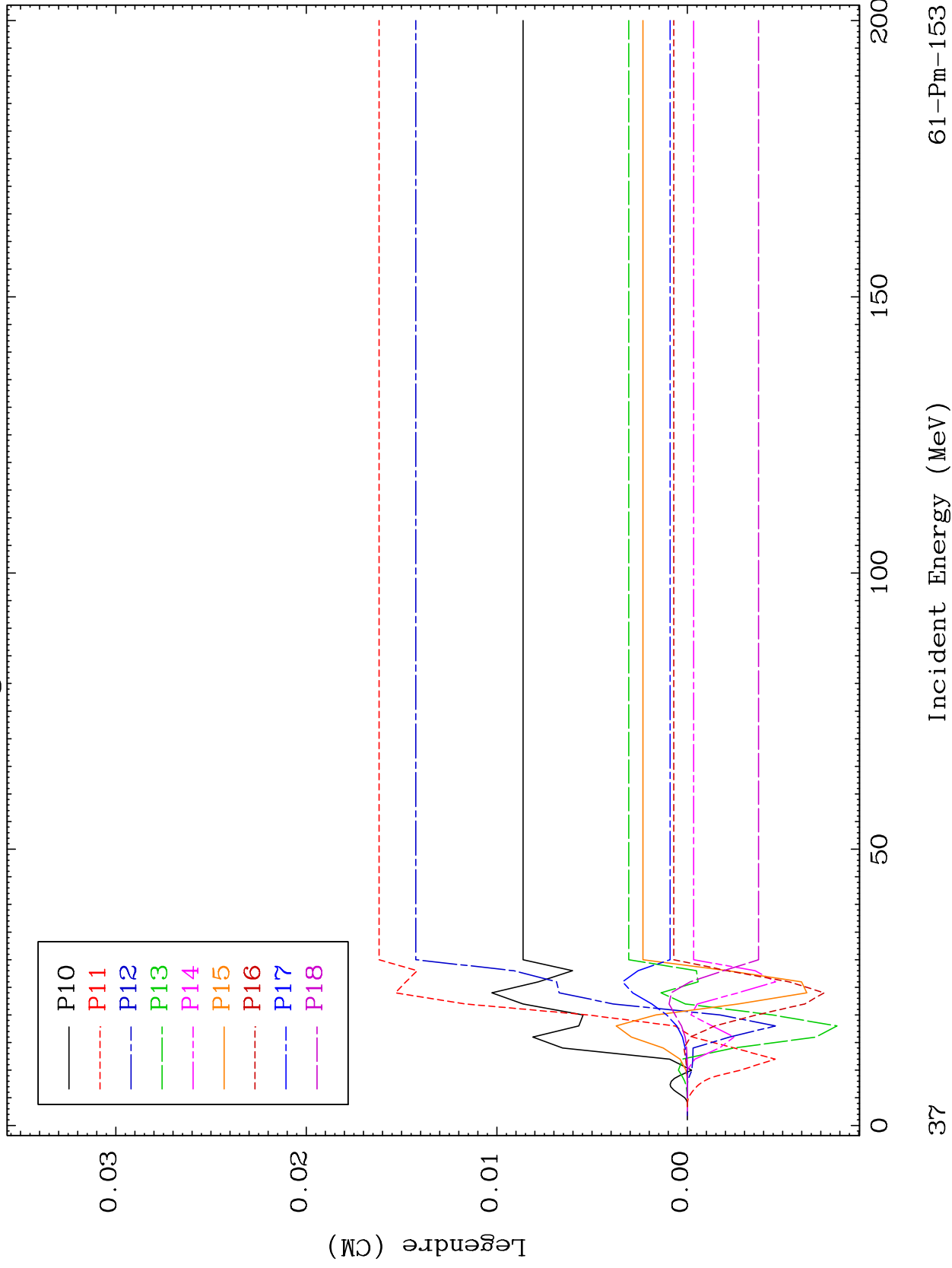
Incident Energy (MeV)

36

MAT 61677

198.8 keV (n,n') Level
Legendre Coefficients

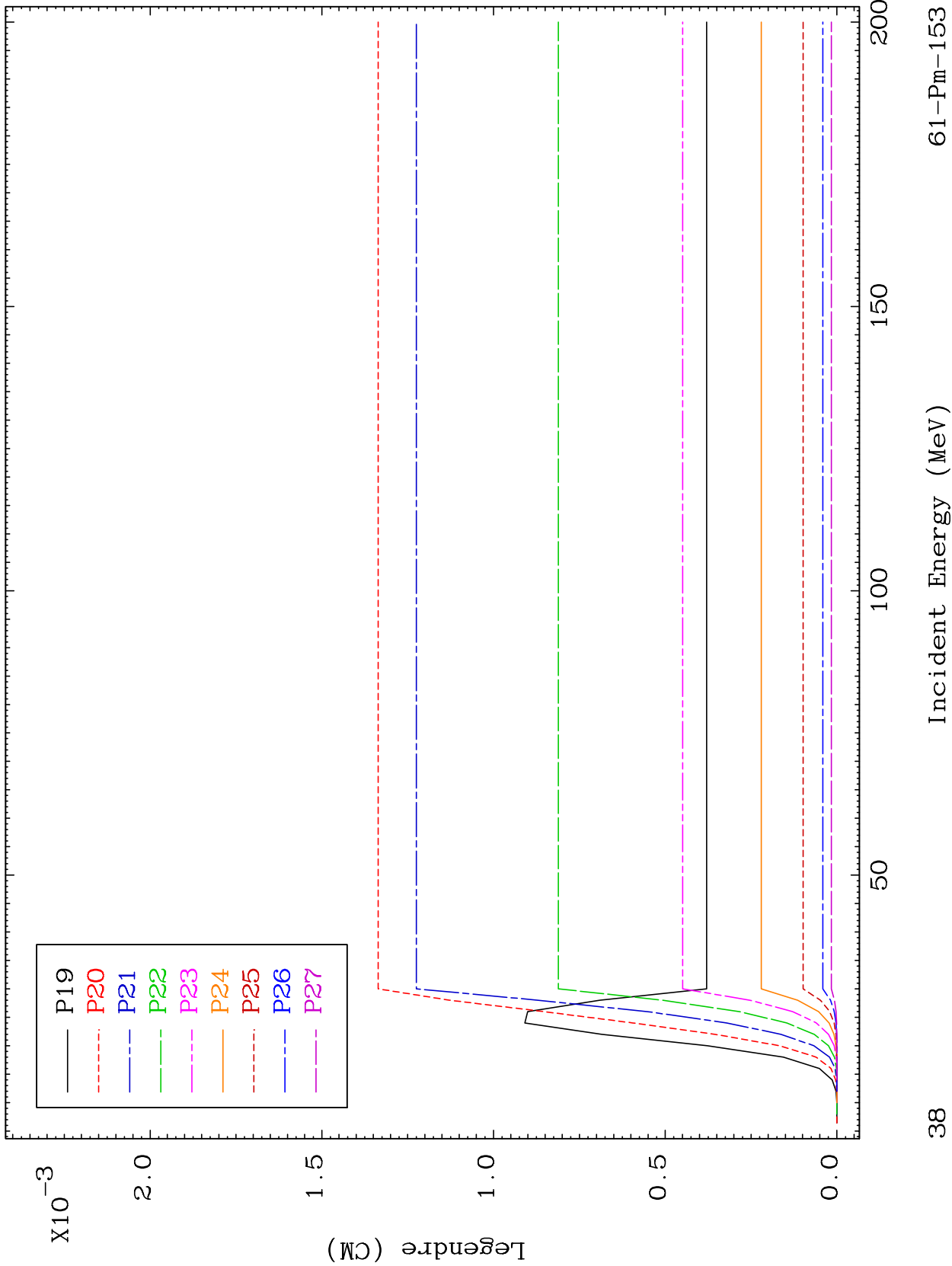
61-Pm-153



61-Pm-153

Incident Energy (MeV)

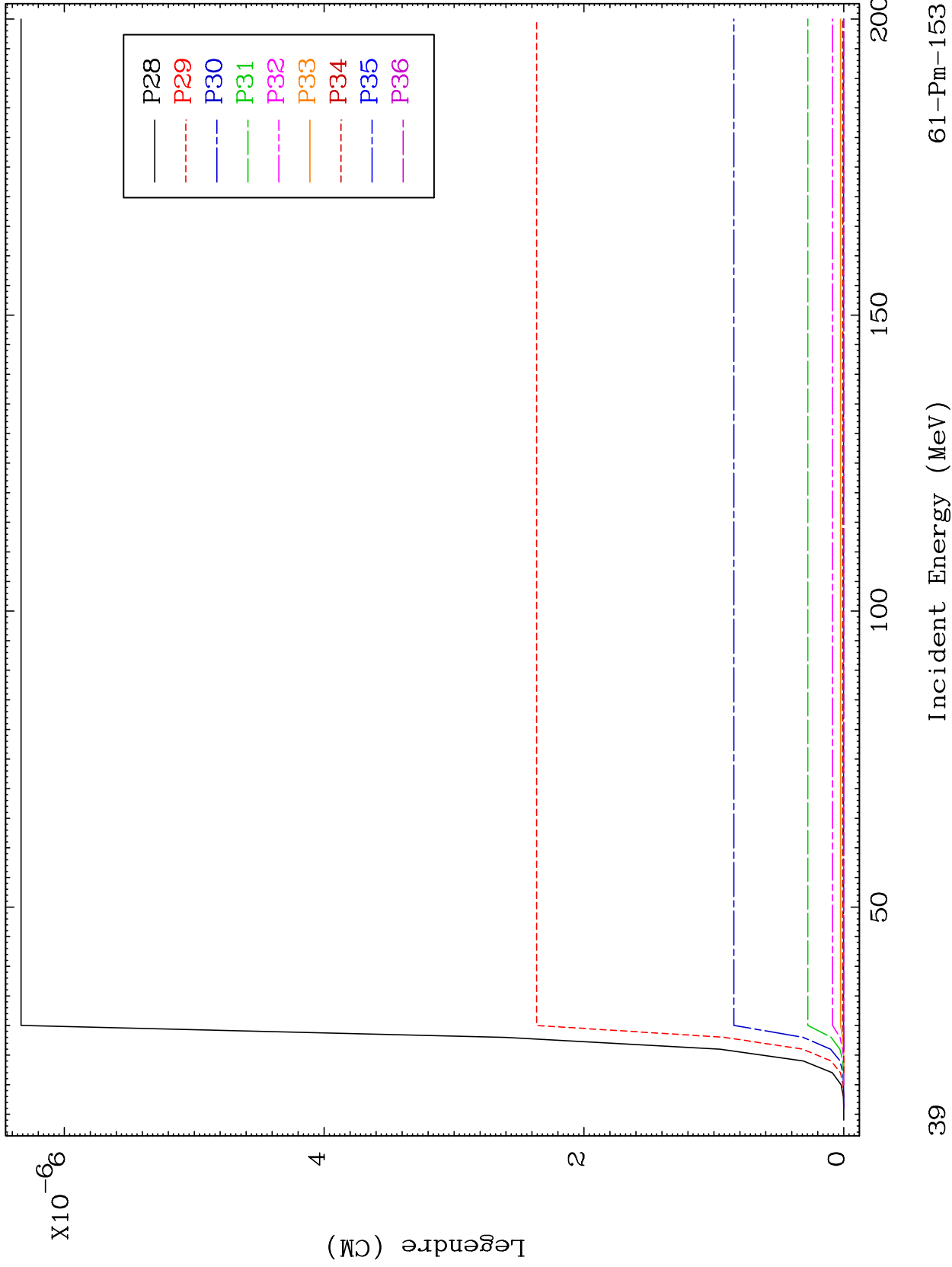
37



MAT 6167

198.8 keV (n,n') Level
Legendre Coefficients

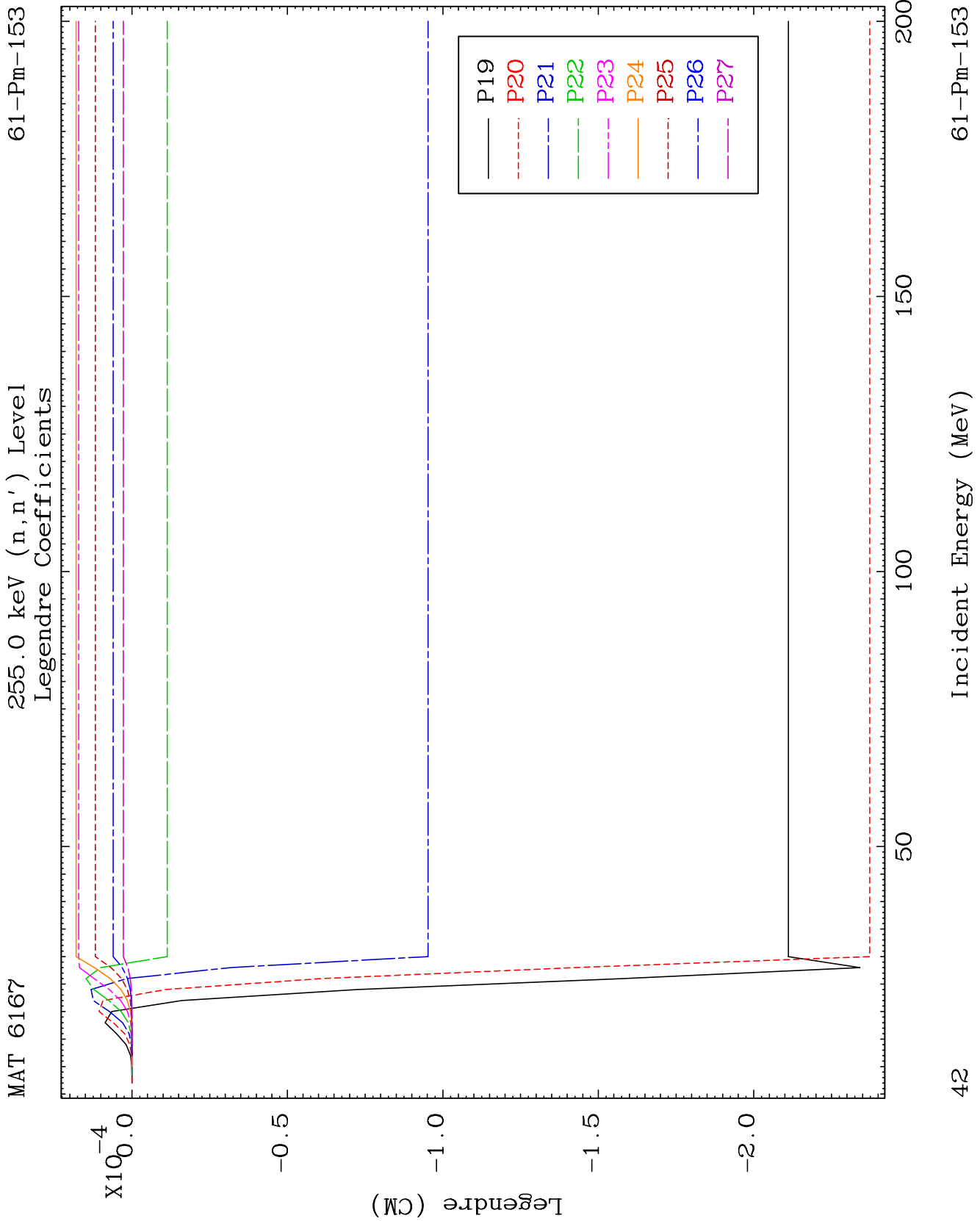
61-Pm-153



39

Incident Energy (MeV)

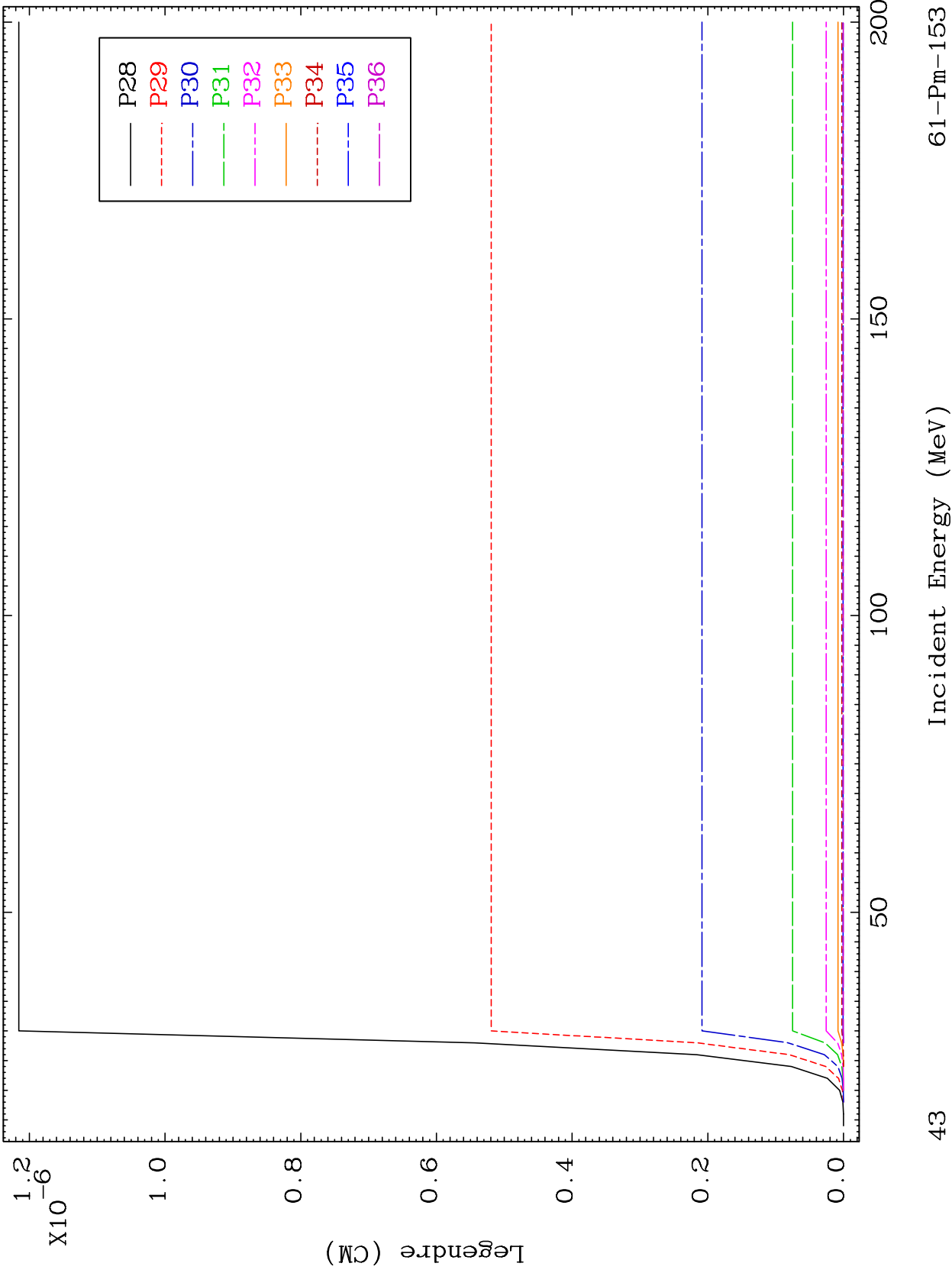
61-Pm-153



MAT 6167

255.0 keV (n,n') Level
Legendre Coefficients

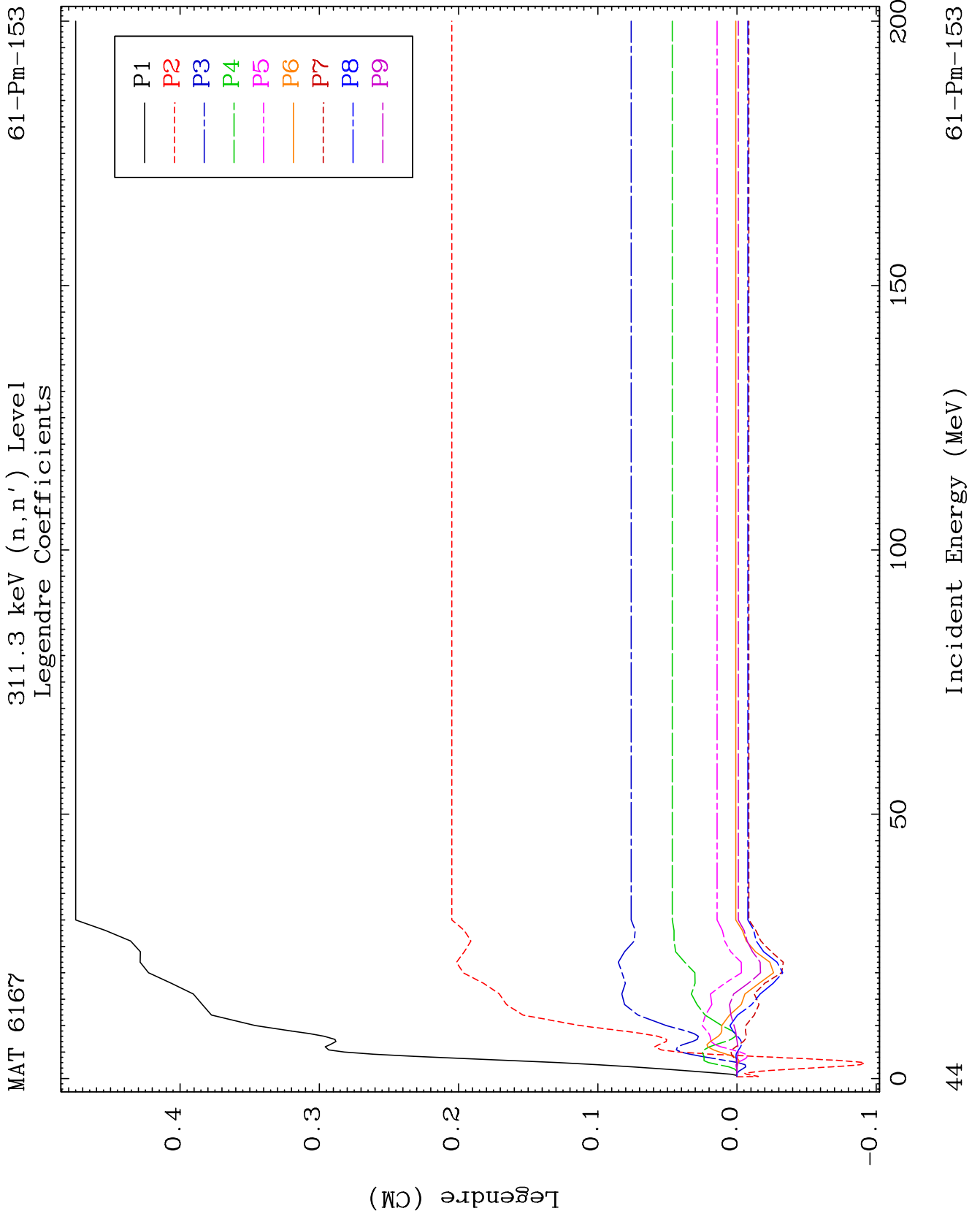
61-Pm-153



43

Incident Energy (MeV)

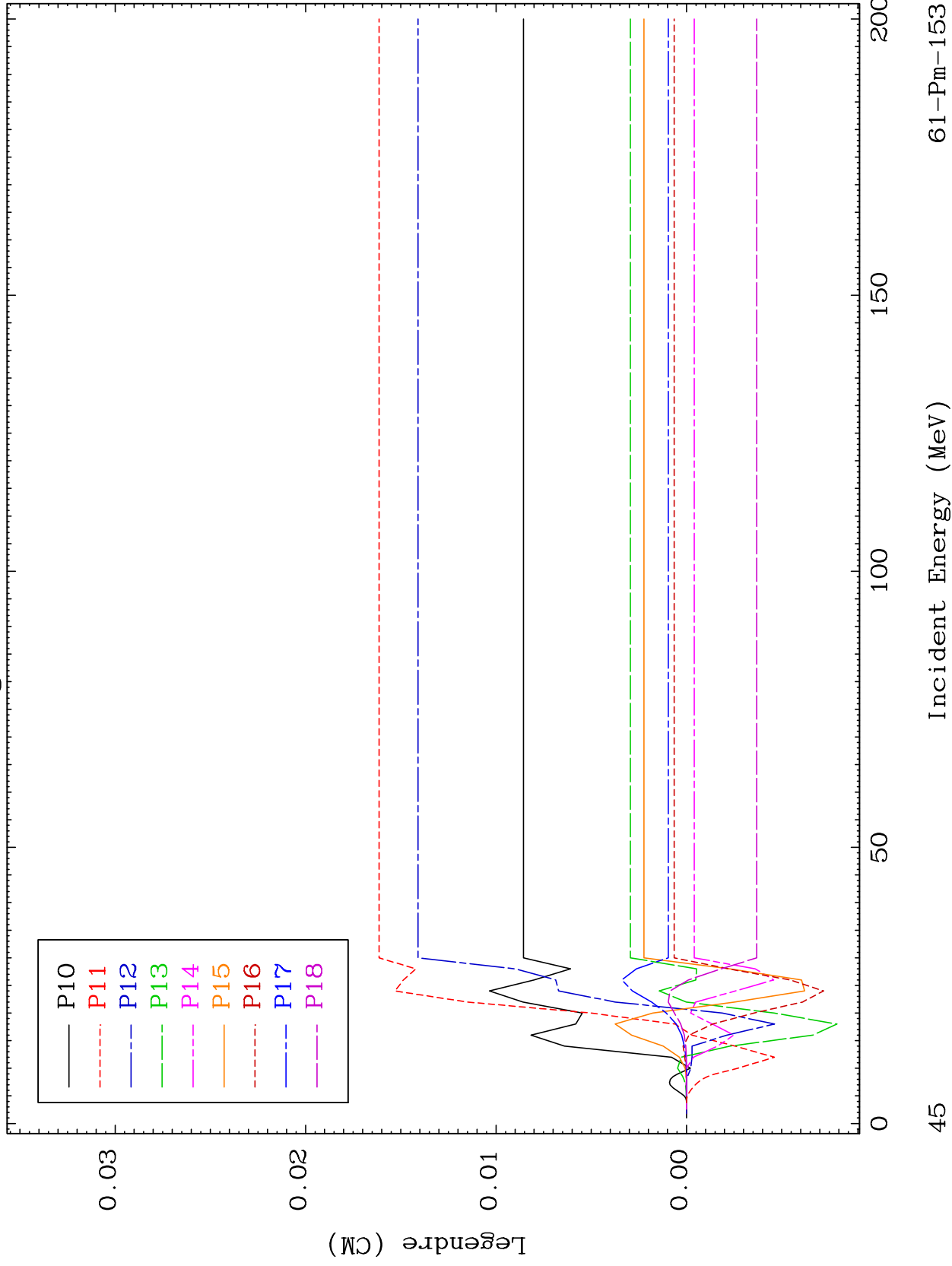
61-Pm-153

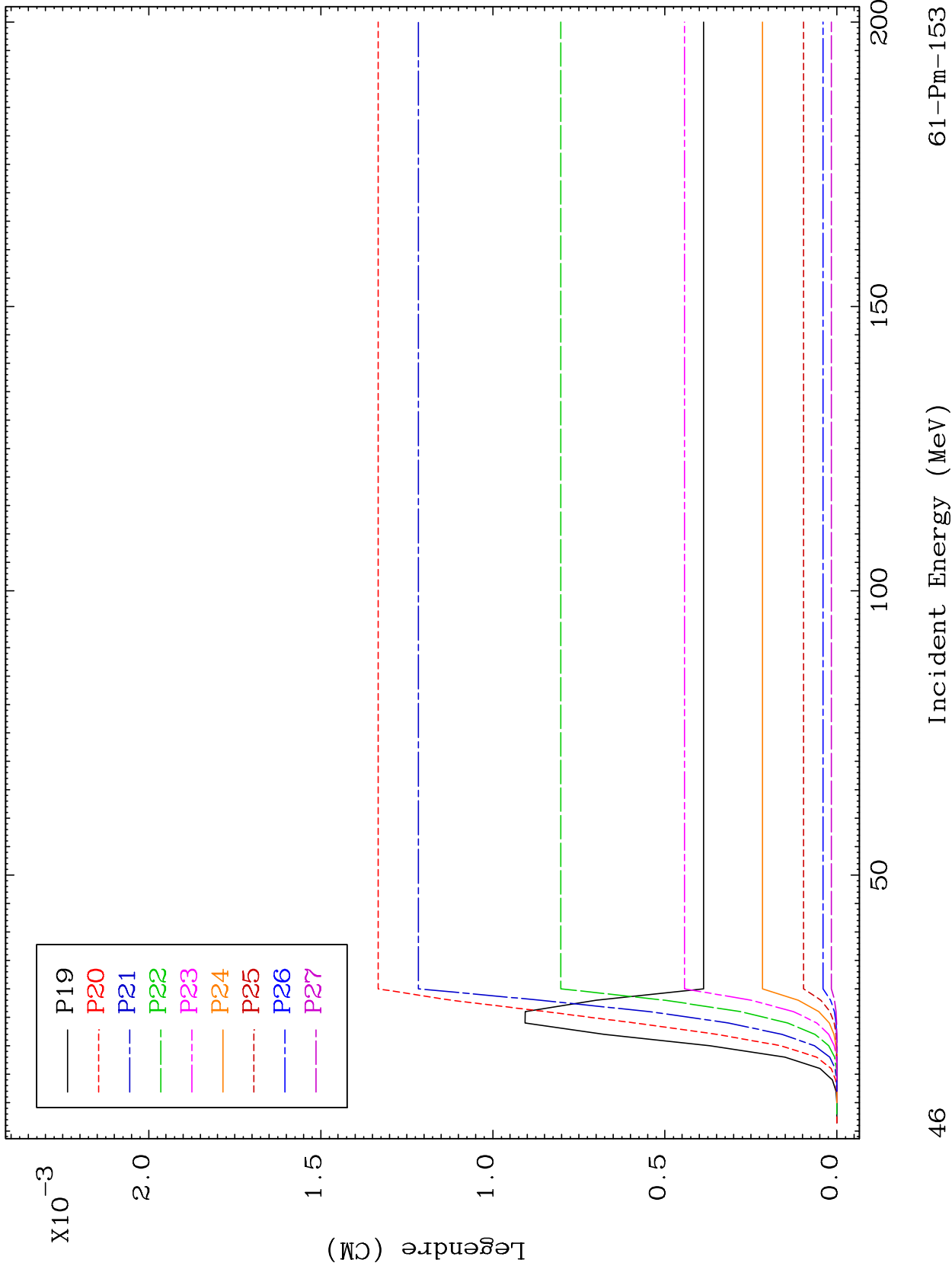


MAT 61677

311.3 keV (n,n') Level
Legendre Coefficients

61-Pm-153

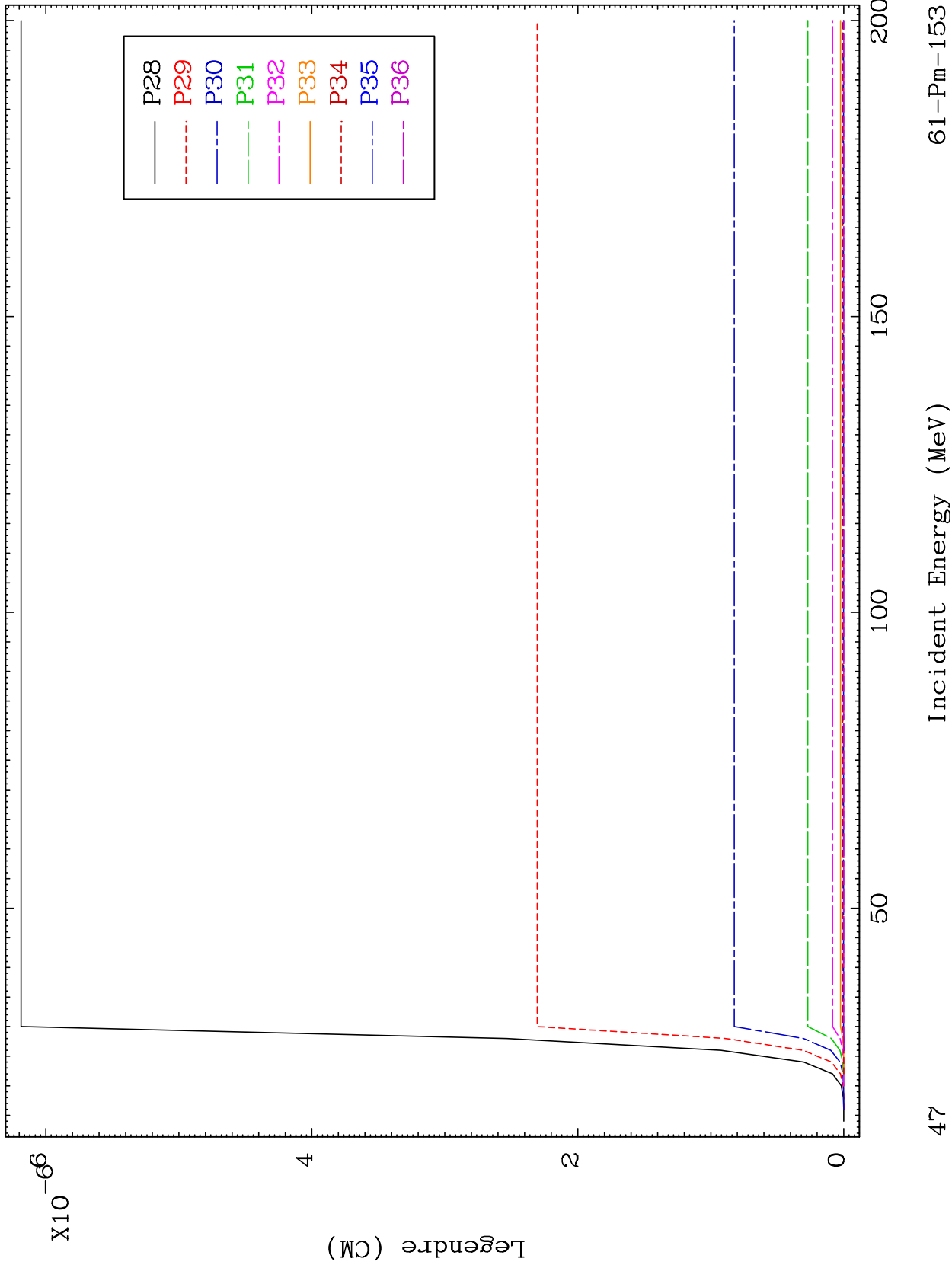




MAT 6167

311.3 keV (n,n') Level
Legendre Coefficients

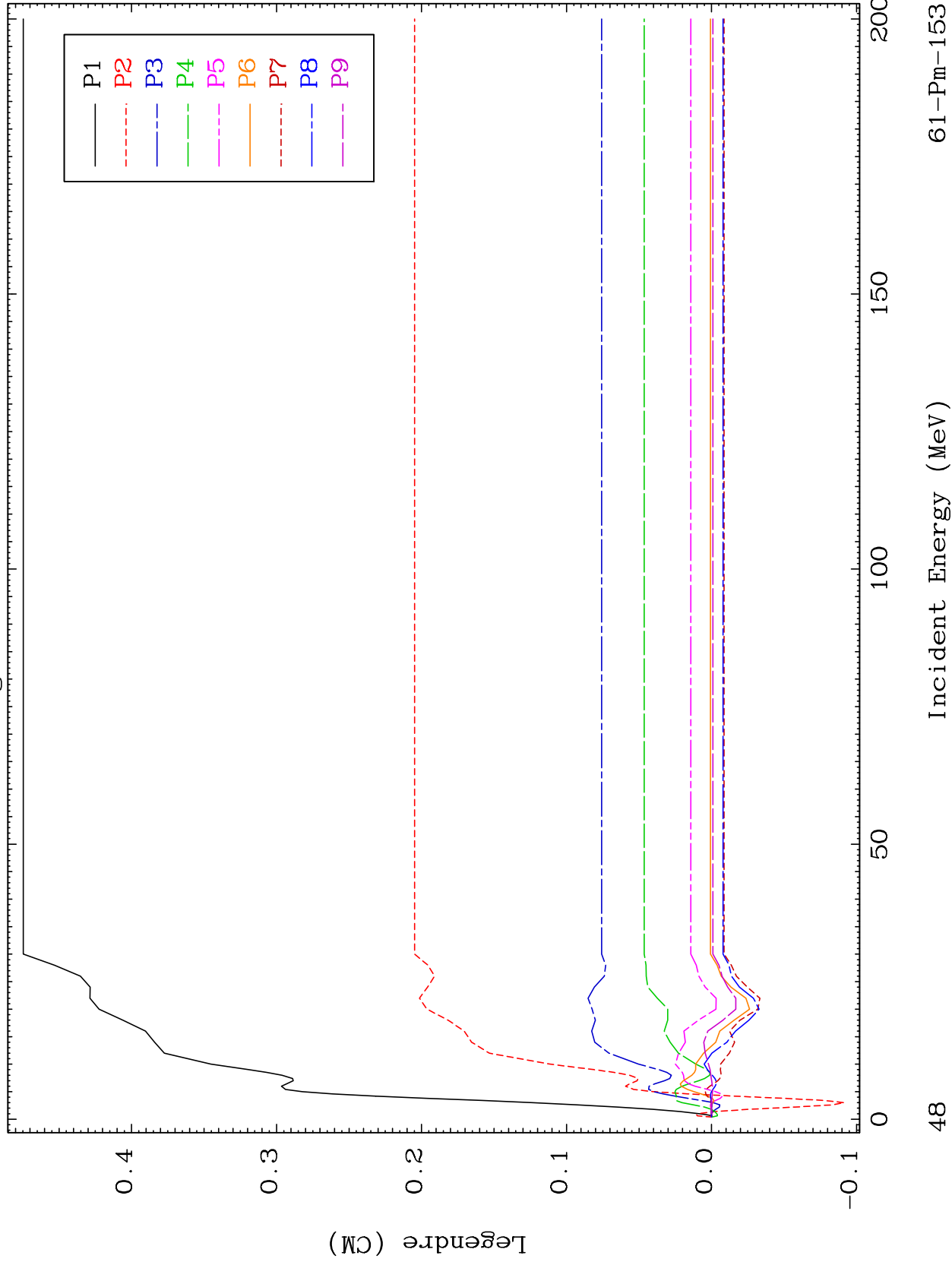
61-Pm-153



MAT 6167

378.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

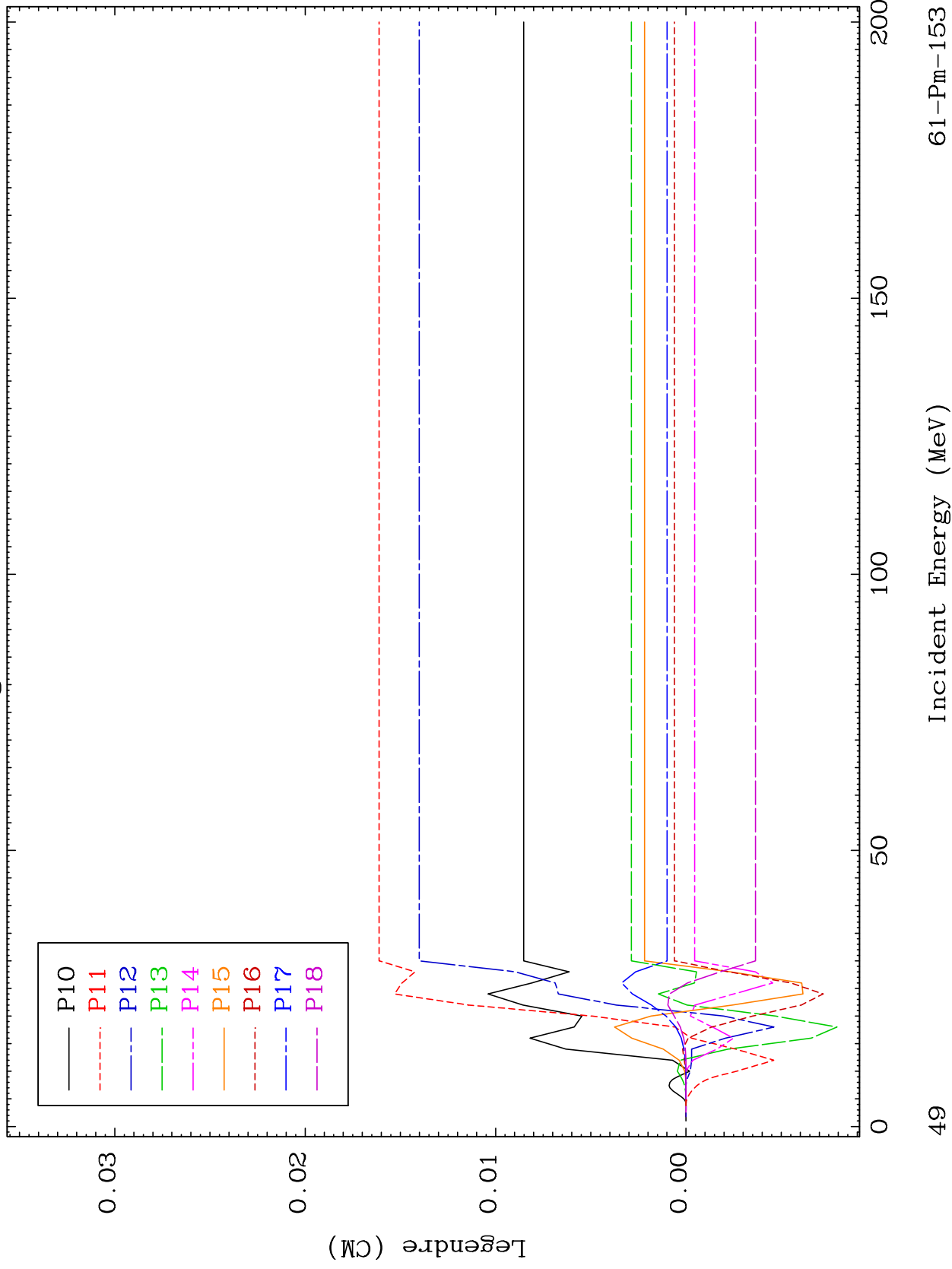
Incident Energy (MeV)

48

MAT 61677

378.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



49

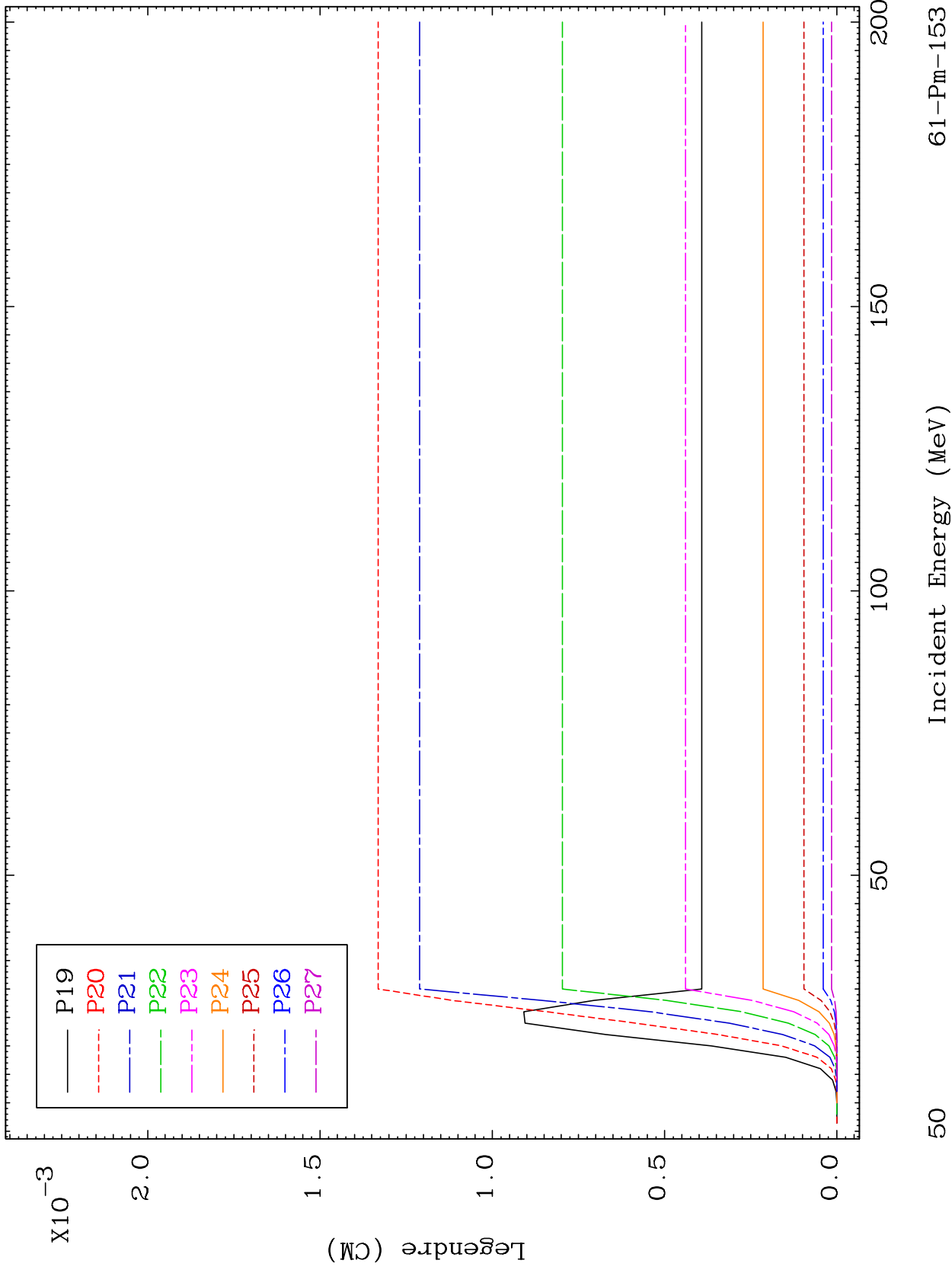
Incident Energy (MeV)

61-Pm-153

MAT 61677

378.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



50

50

100

150

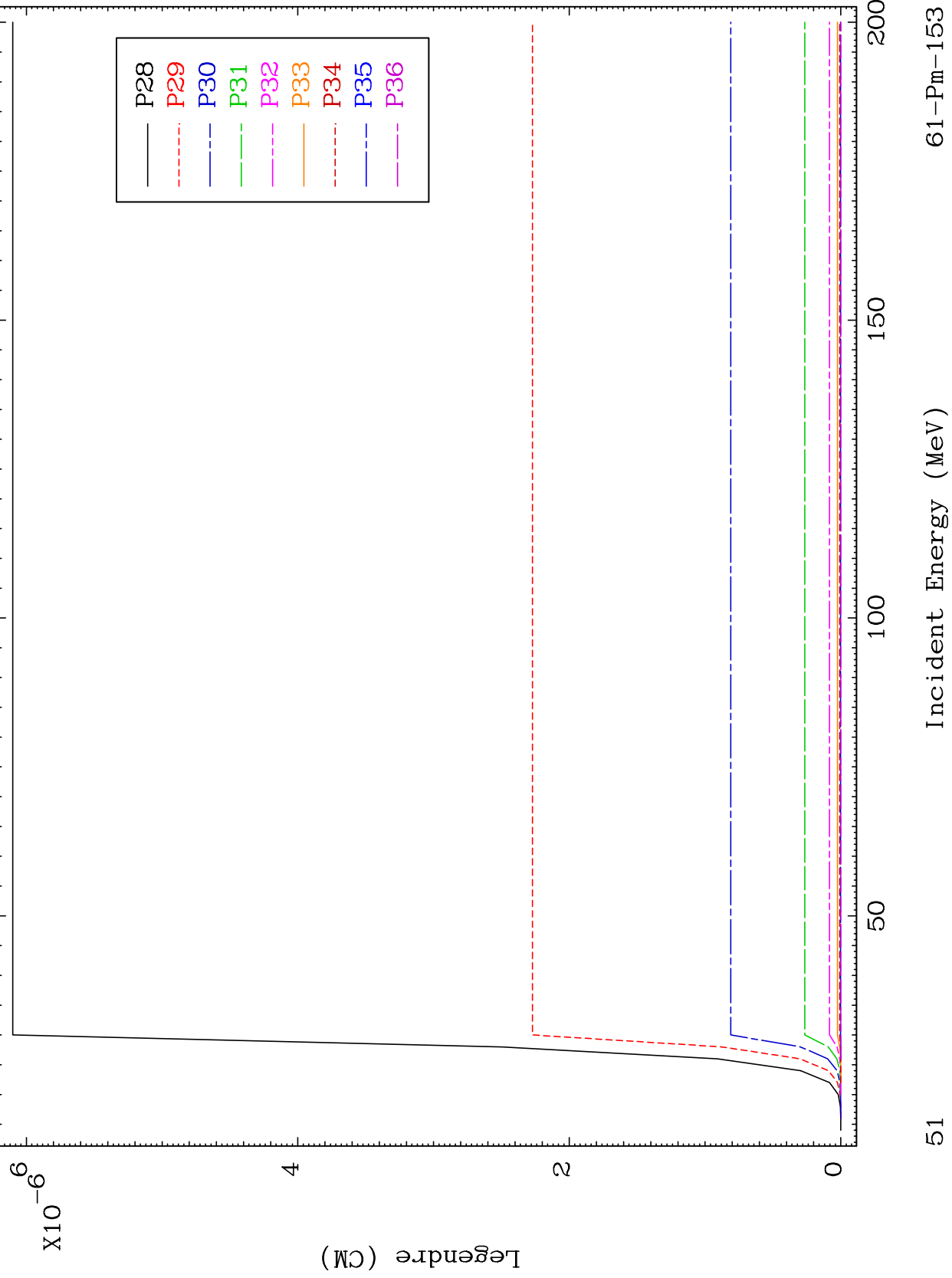
200

61-Pm-153

MAT 6167

378.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



51

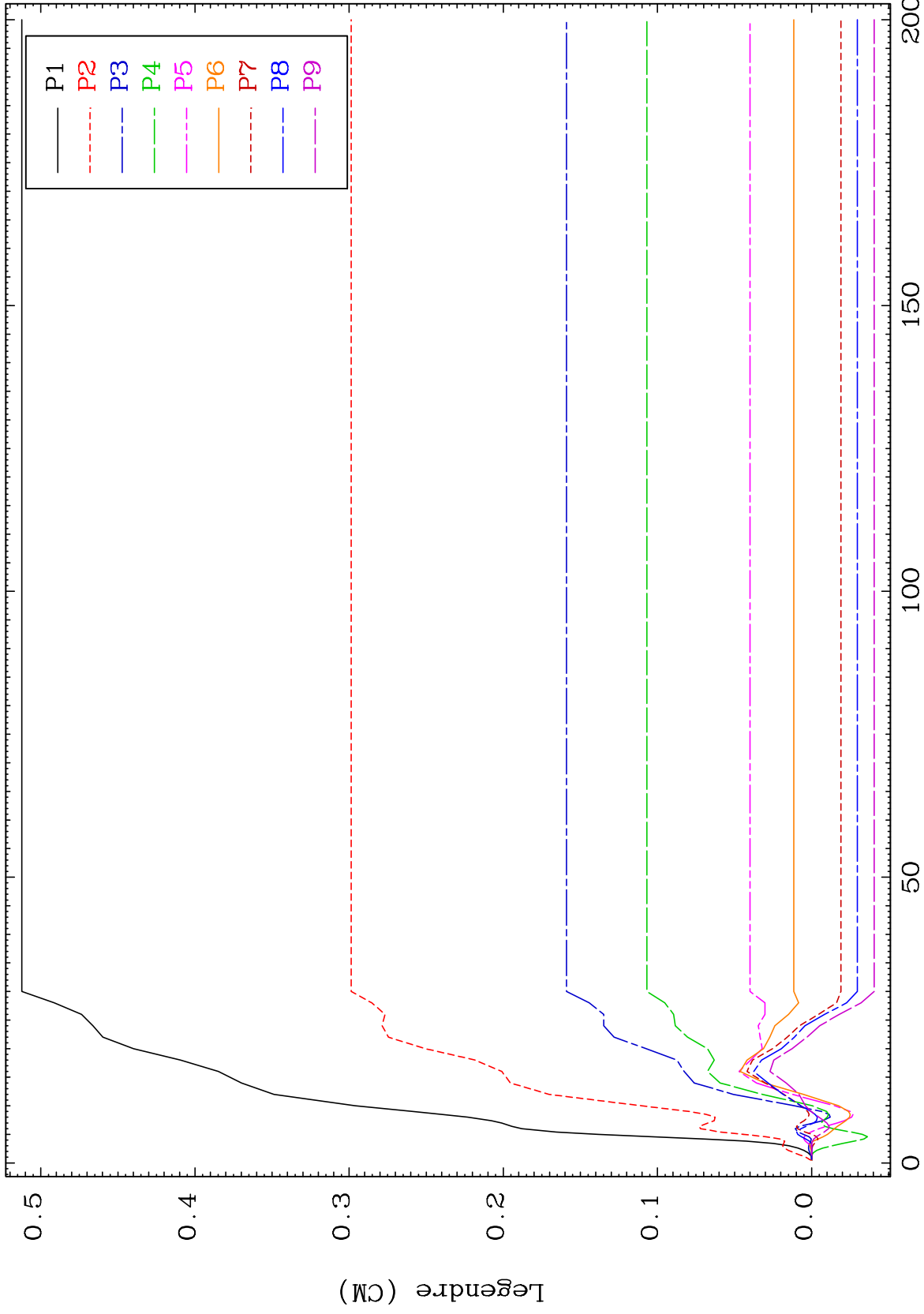
Incident Energy (MeV)

61-Pm-153

MAT 6167

450.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153



52

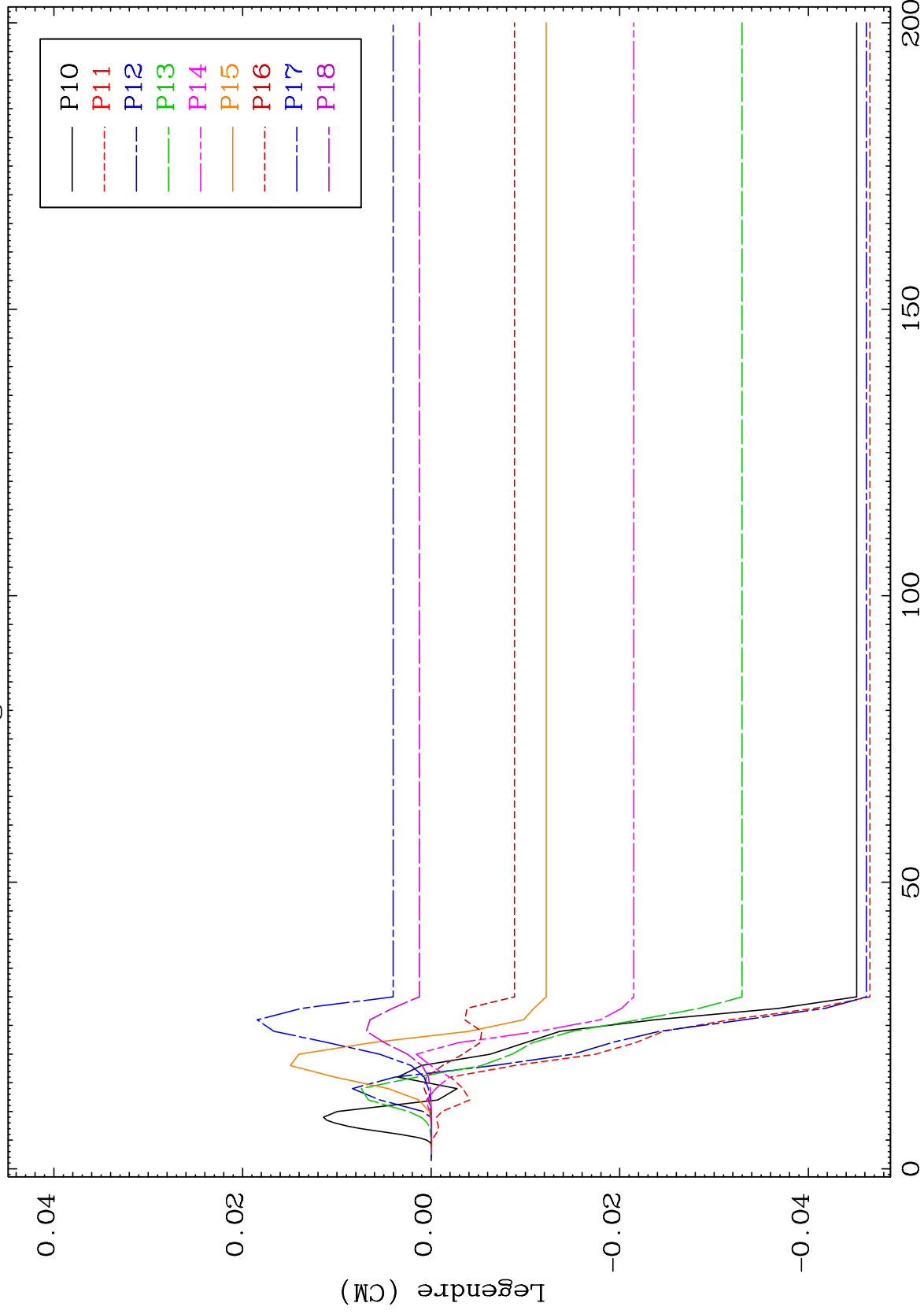
Incident Energy (MeV)

61-Pm-153

MAT 6167

450.5 keV (n,n') Level
Legendre Coefficients

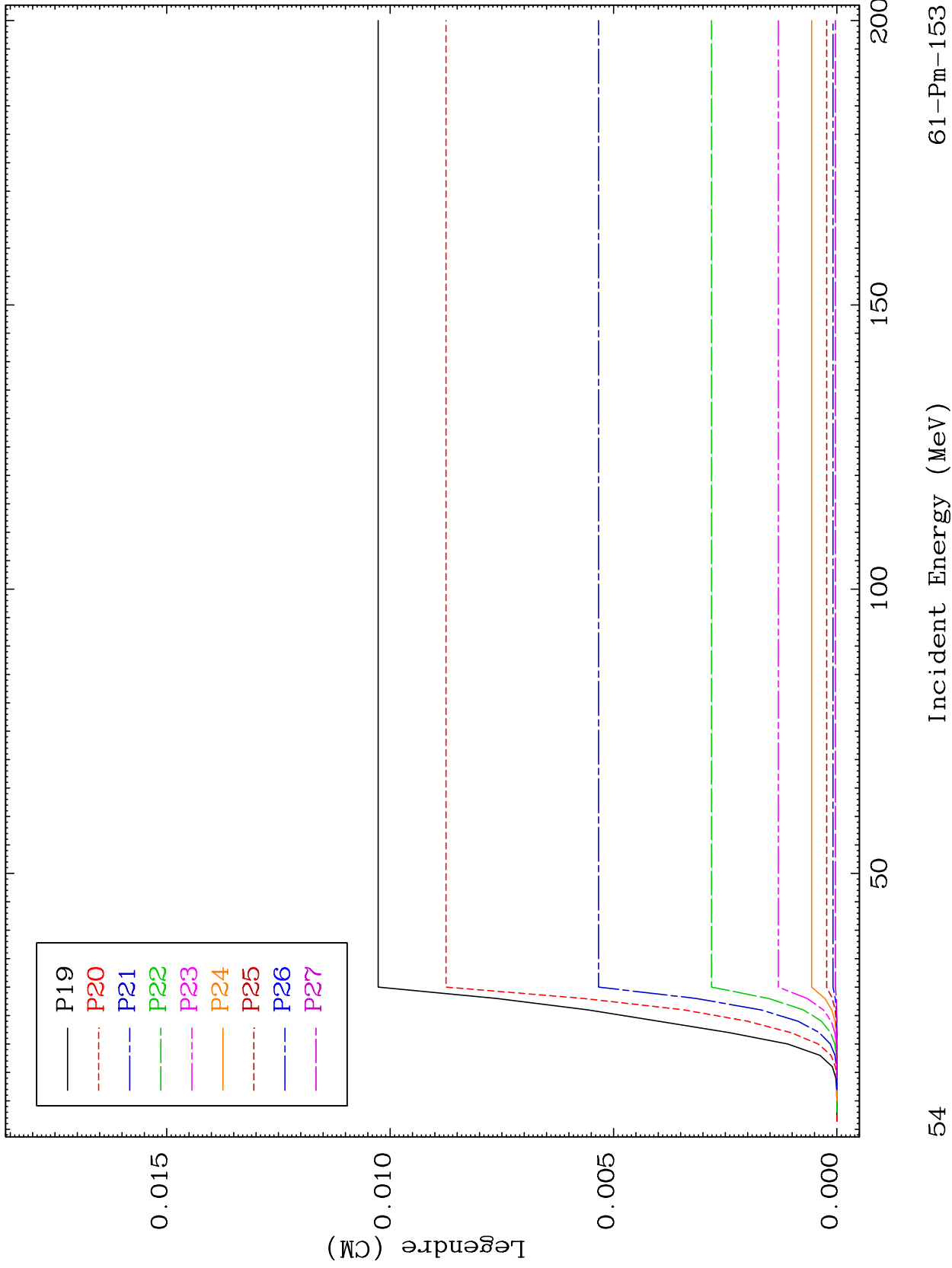
61-Pm-153



53

Incident Energy (MeV)

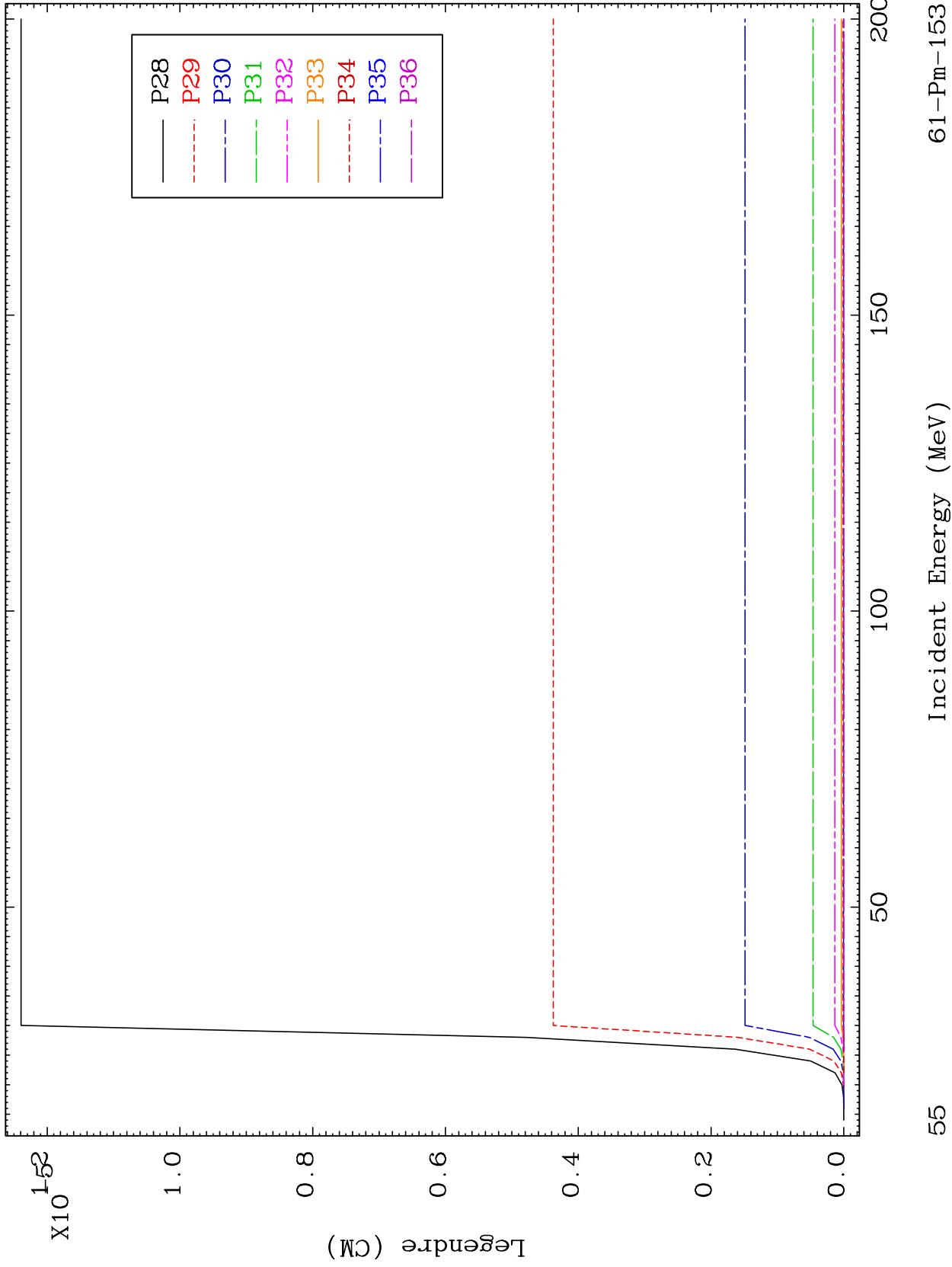
61-Pm-153



MAT 6167

450.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153



55

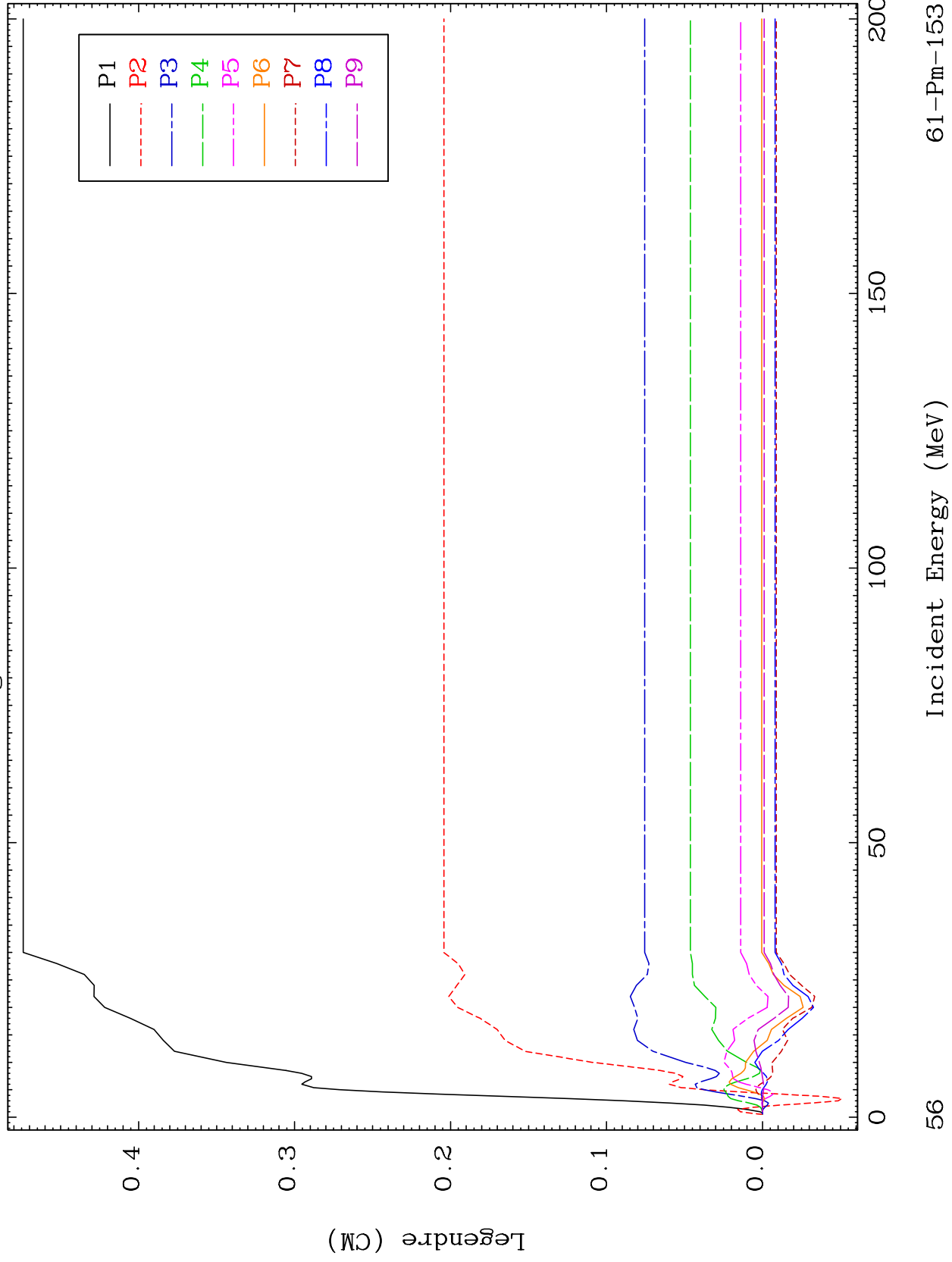
Incident Energy (MeV)

61-Pm-153

MAT 6167

507.3 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

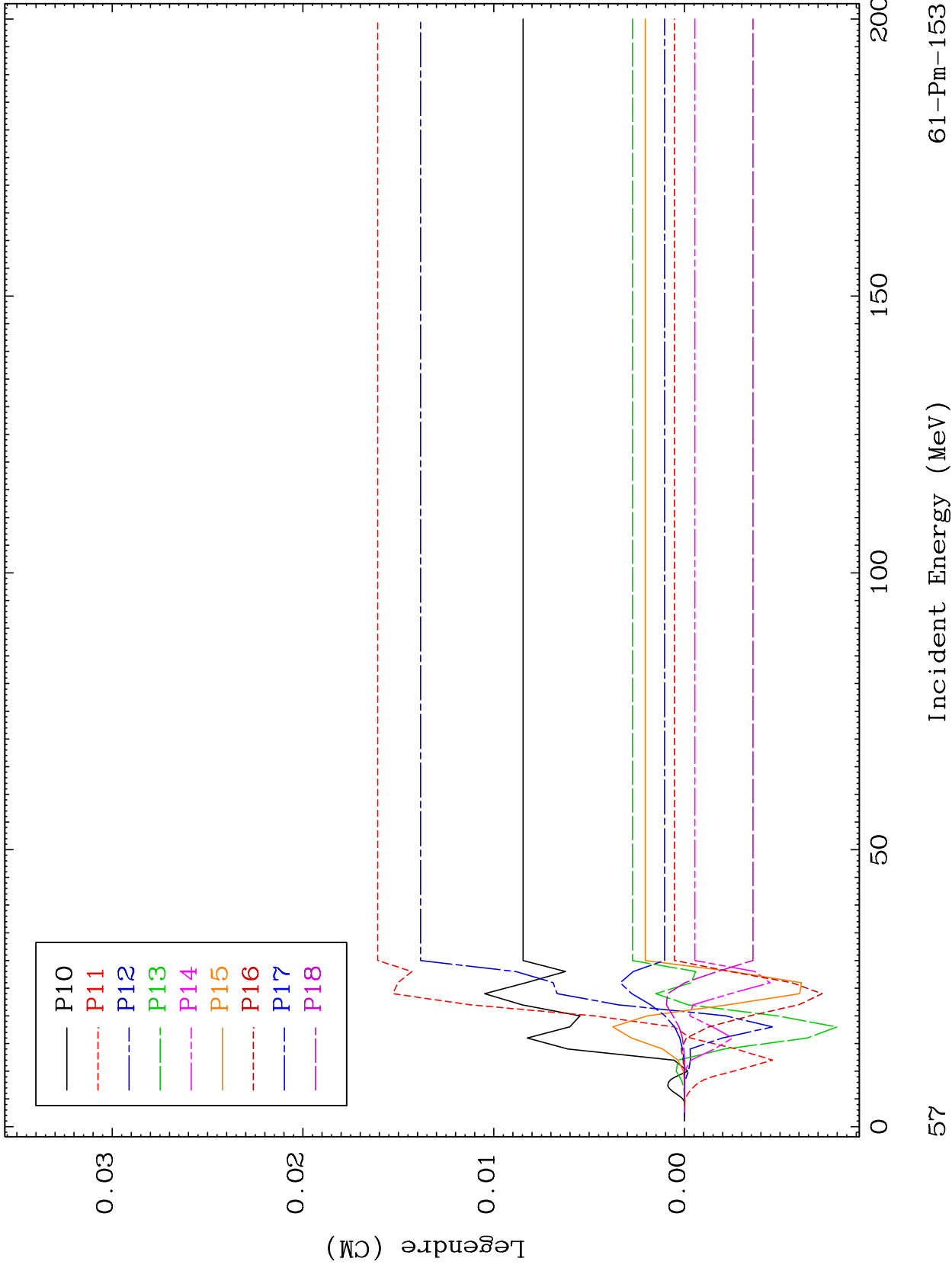
Incident Energy (MeV)

56

MAT 61677

507.3 keV (n,n') Level
Legendre Coefficients

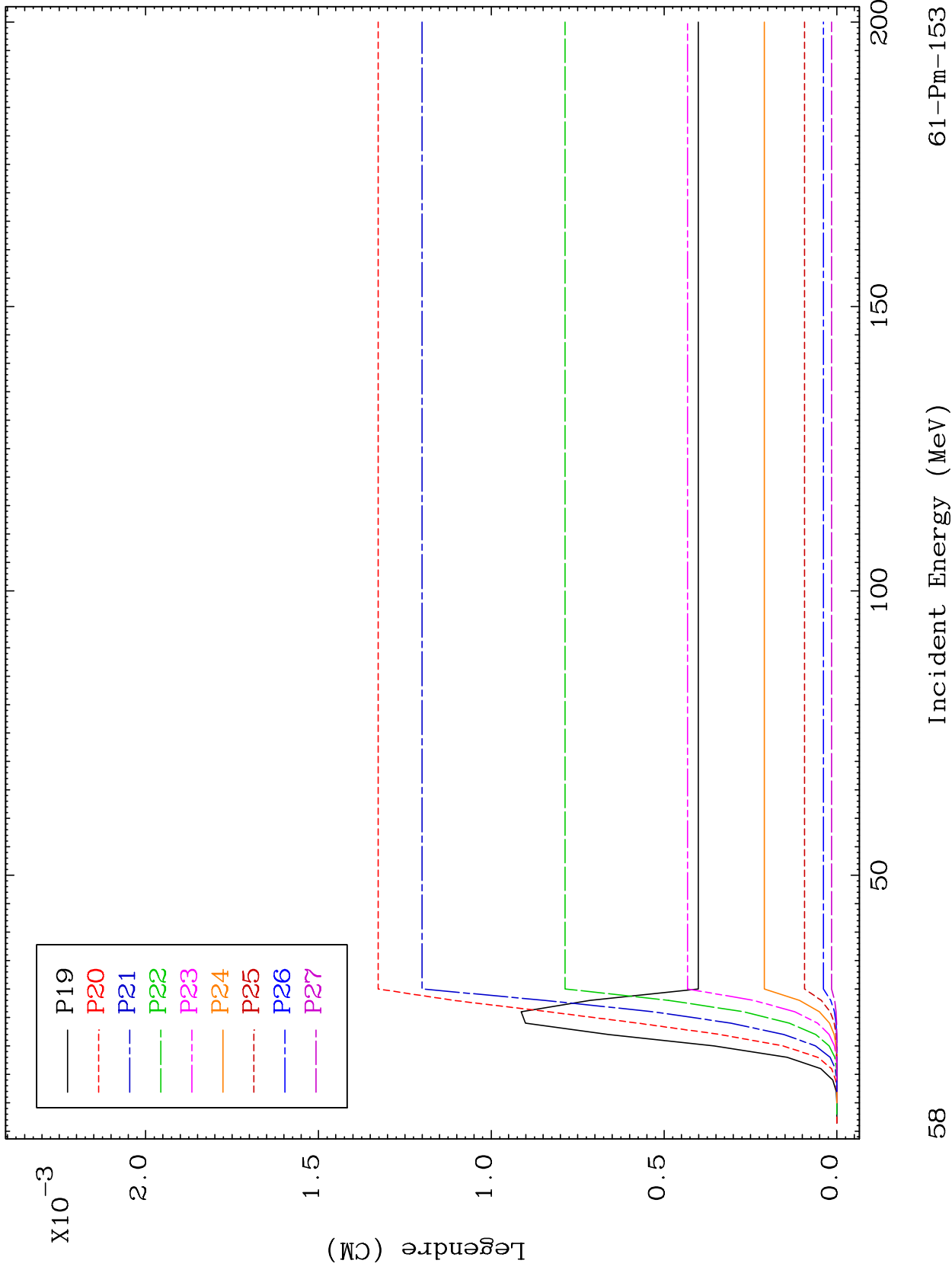
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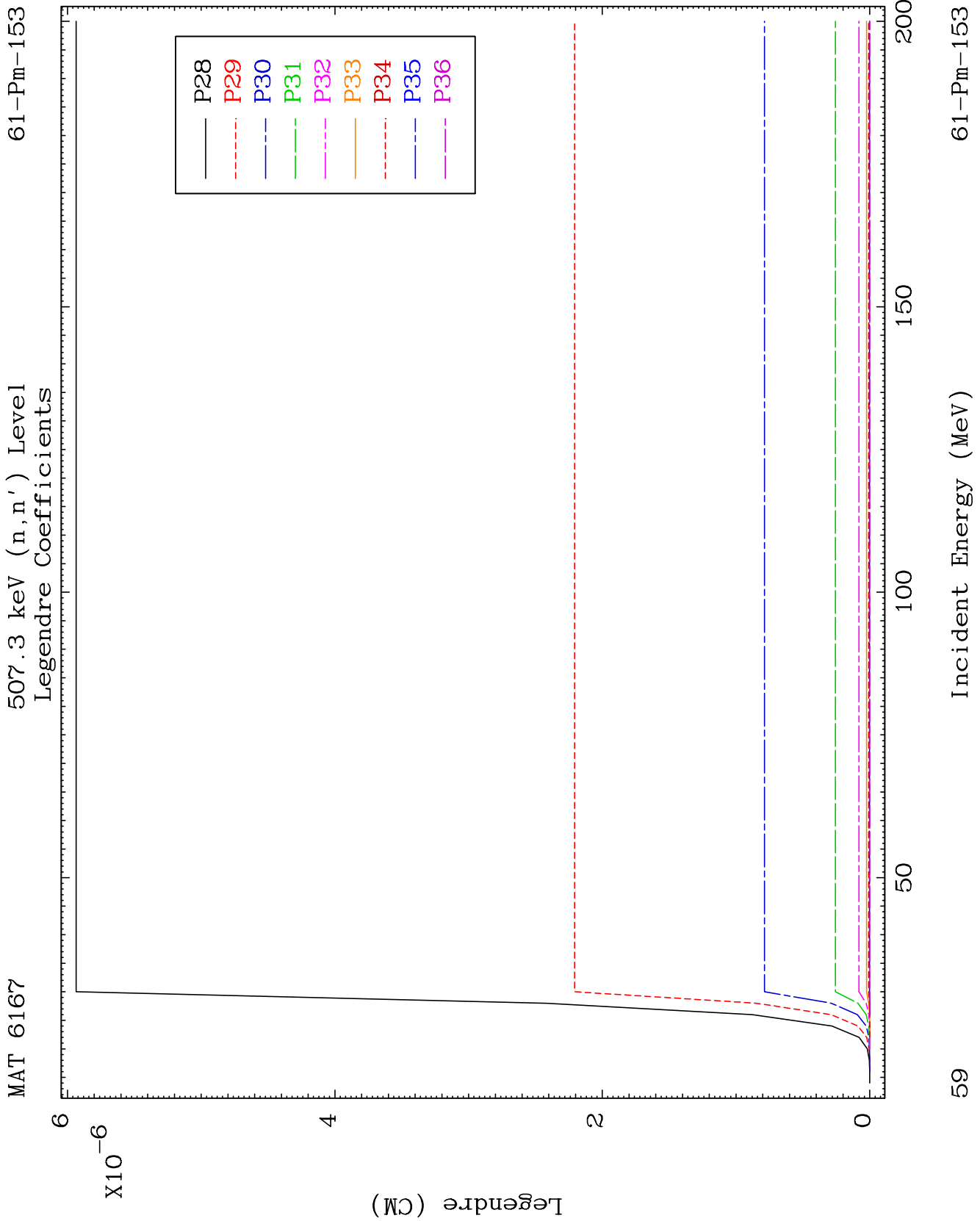


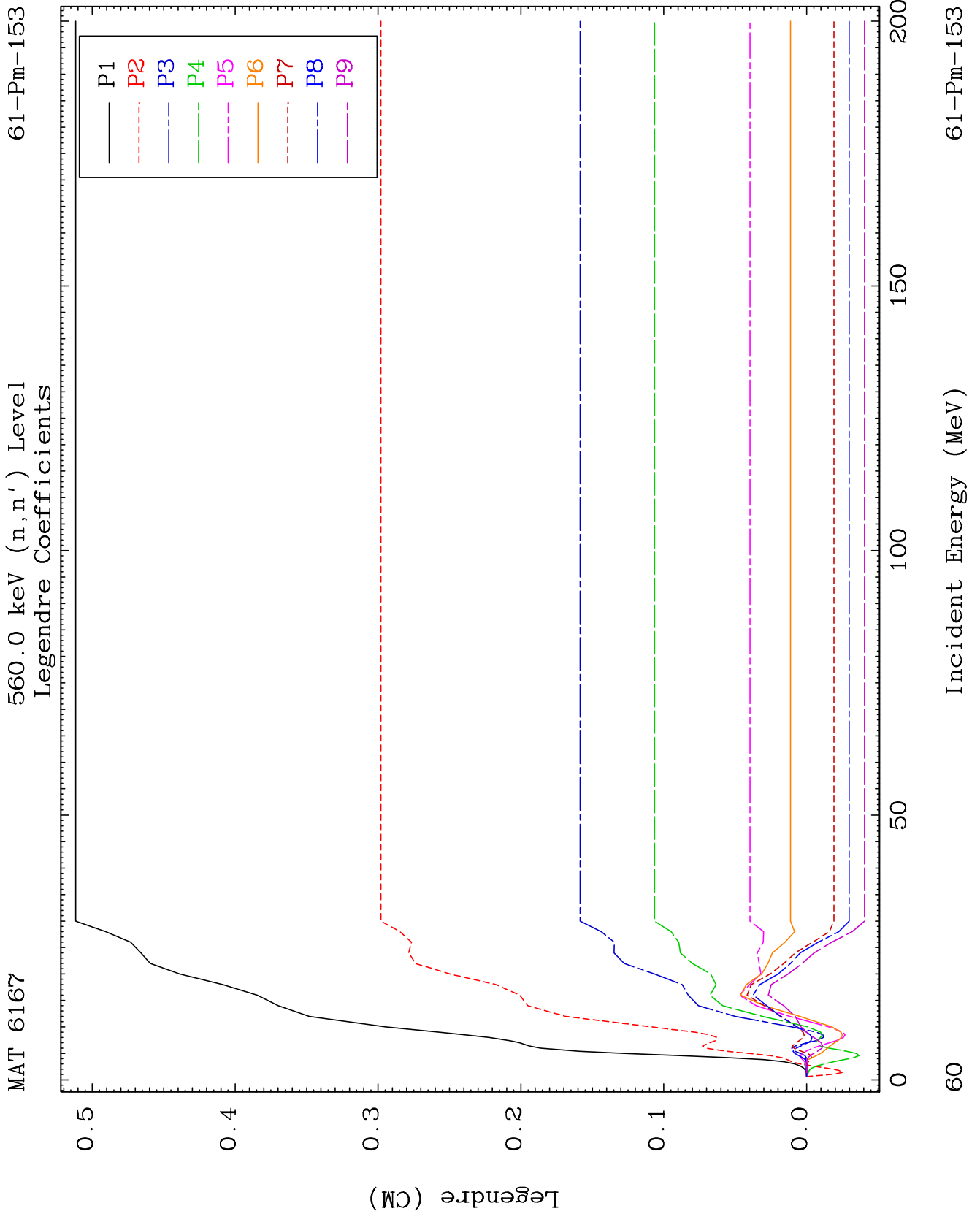
61-Pm-153

Incident Energy (MeV)

57



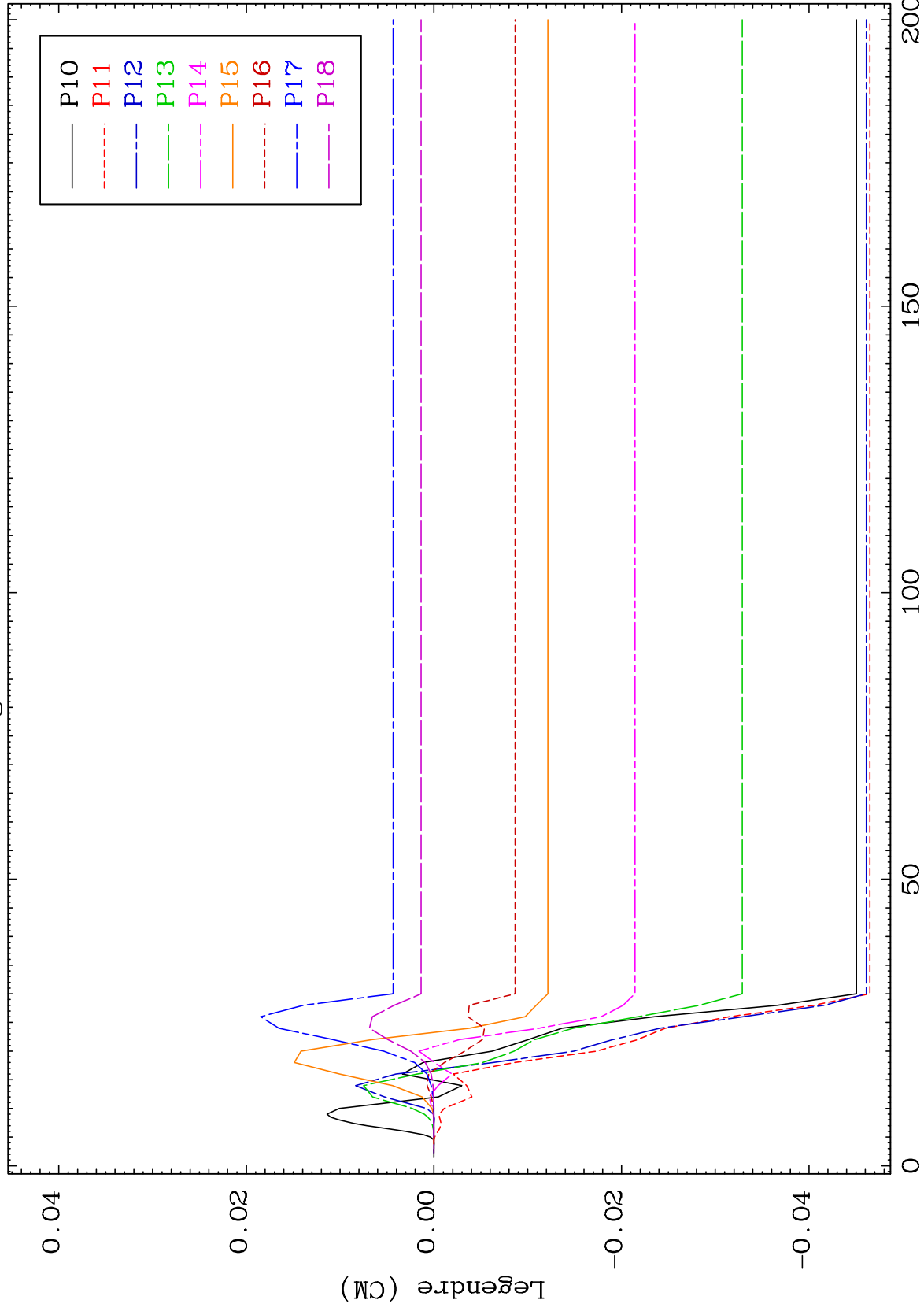




MAT 6167

560.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61

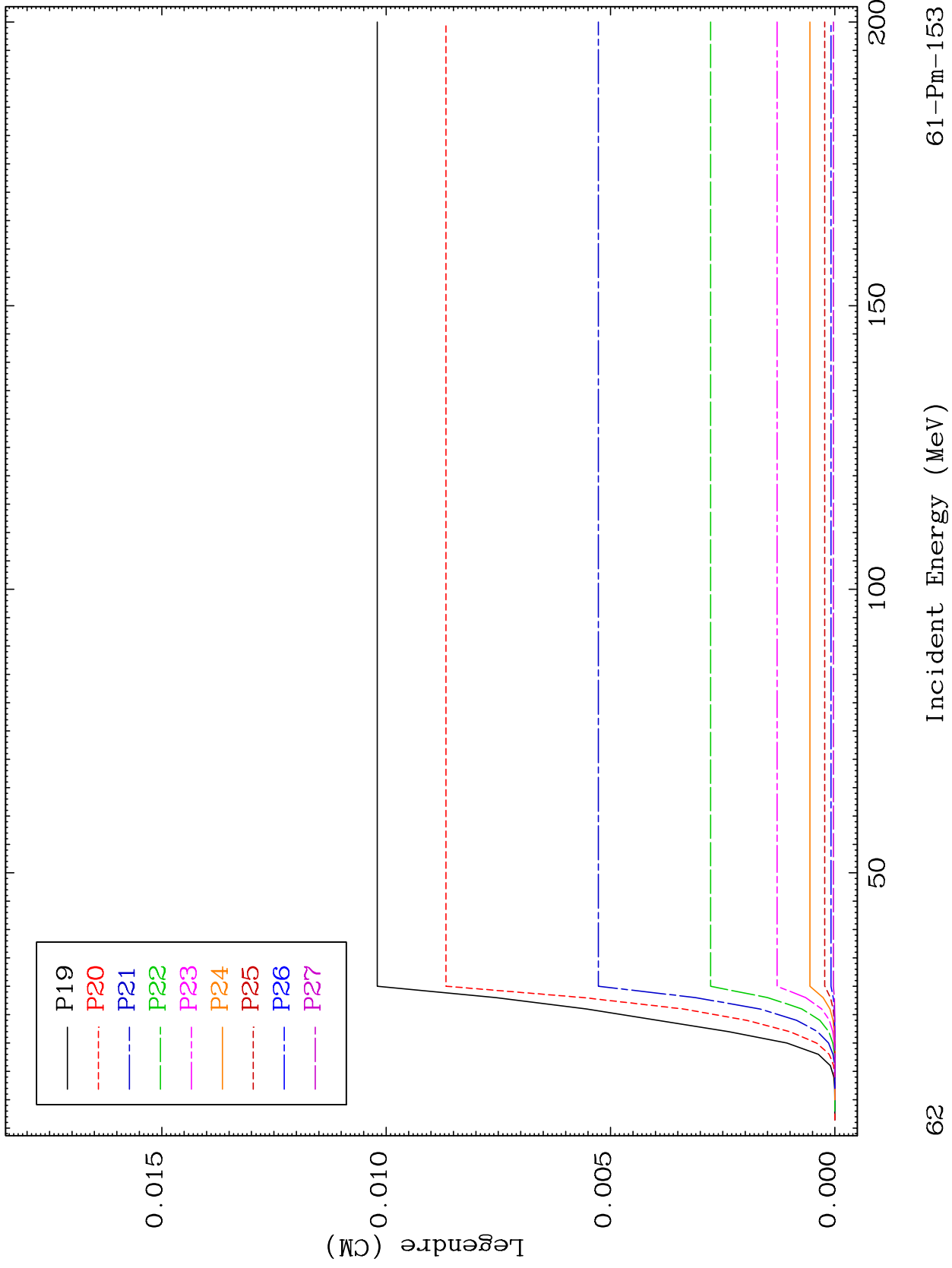
Incident Energy (MeV)

61-Pm-153

MAT 61677

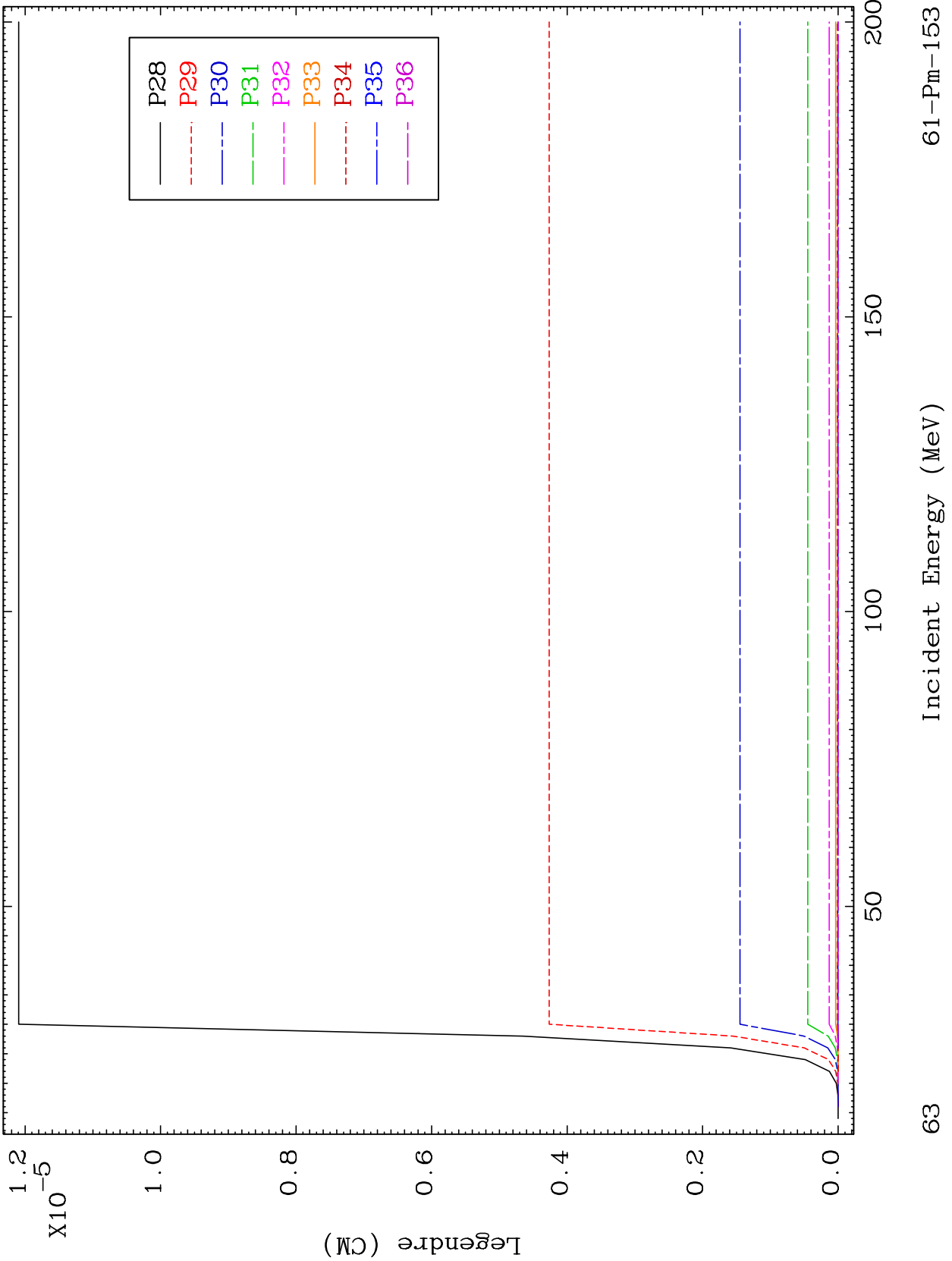
560.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



62

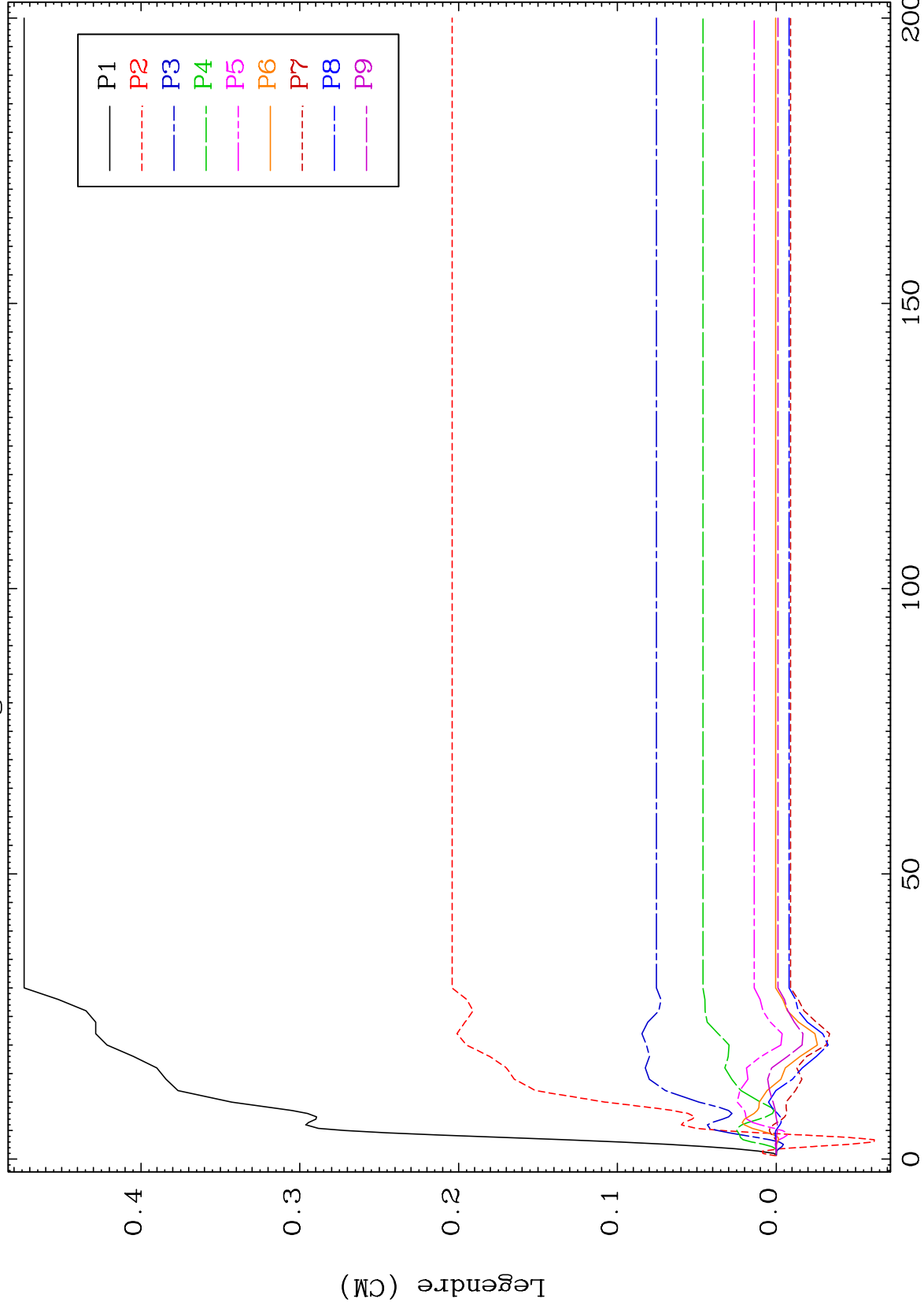
61-Pm-153



MAT 6167

585.5 keV (n,n') Level
Legendre Coefficients

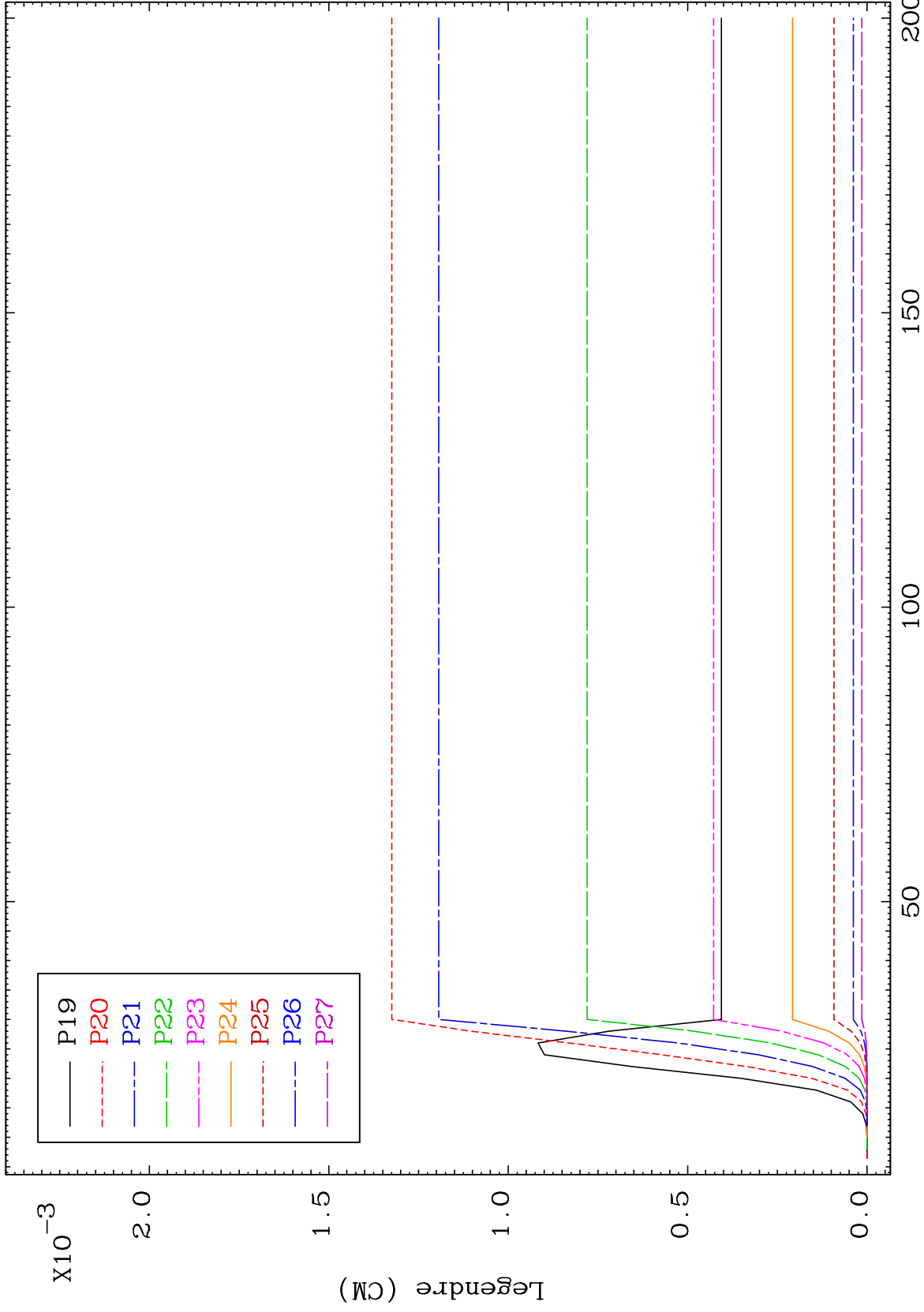
61-Pm-153



64

Incident Energy (MeV)

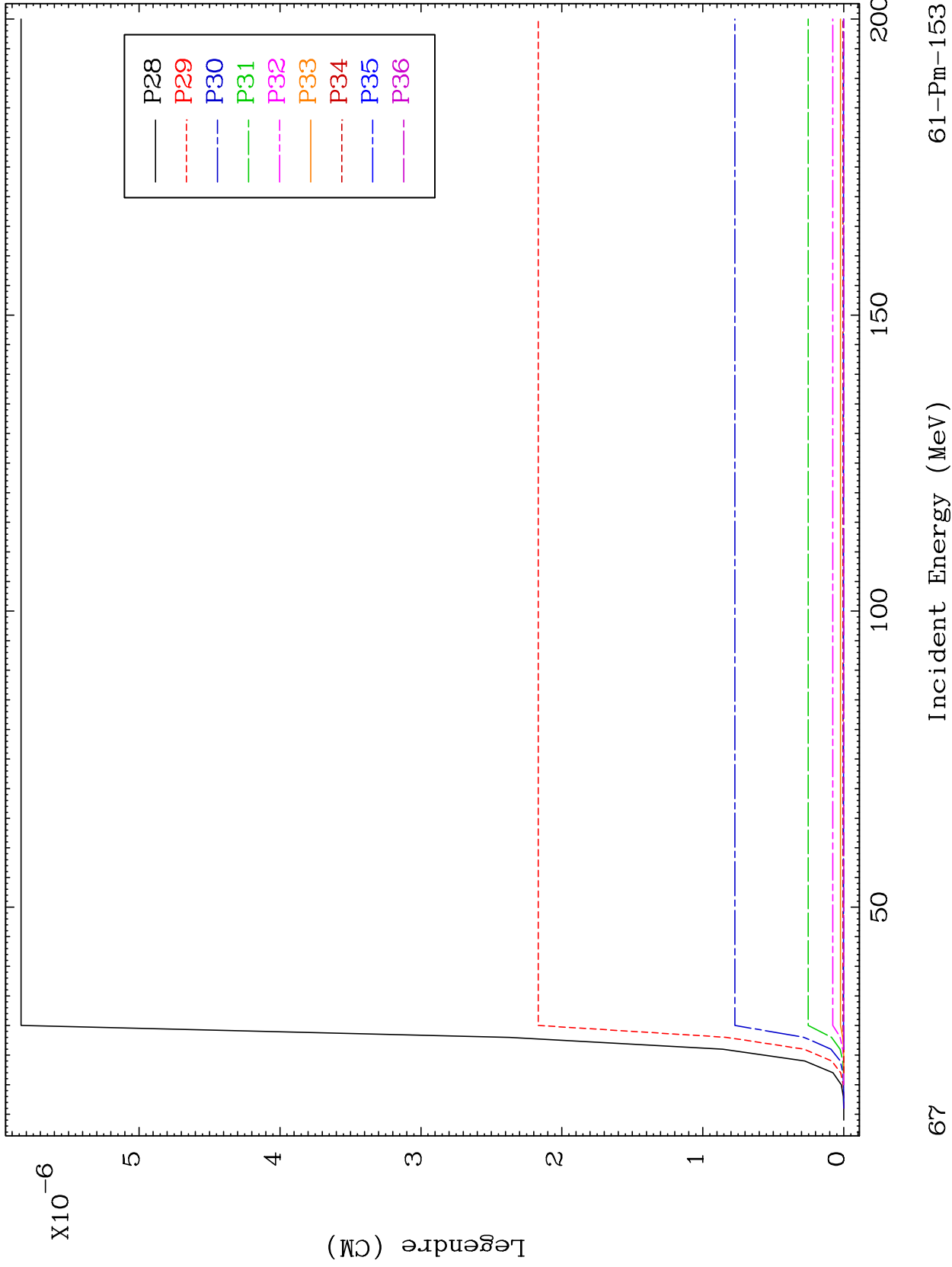
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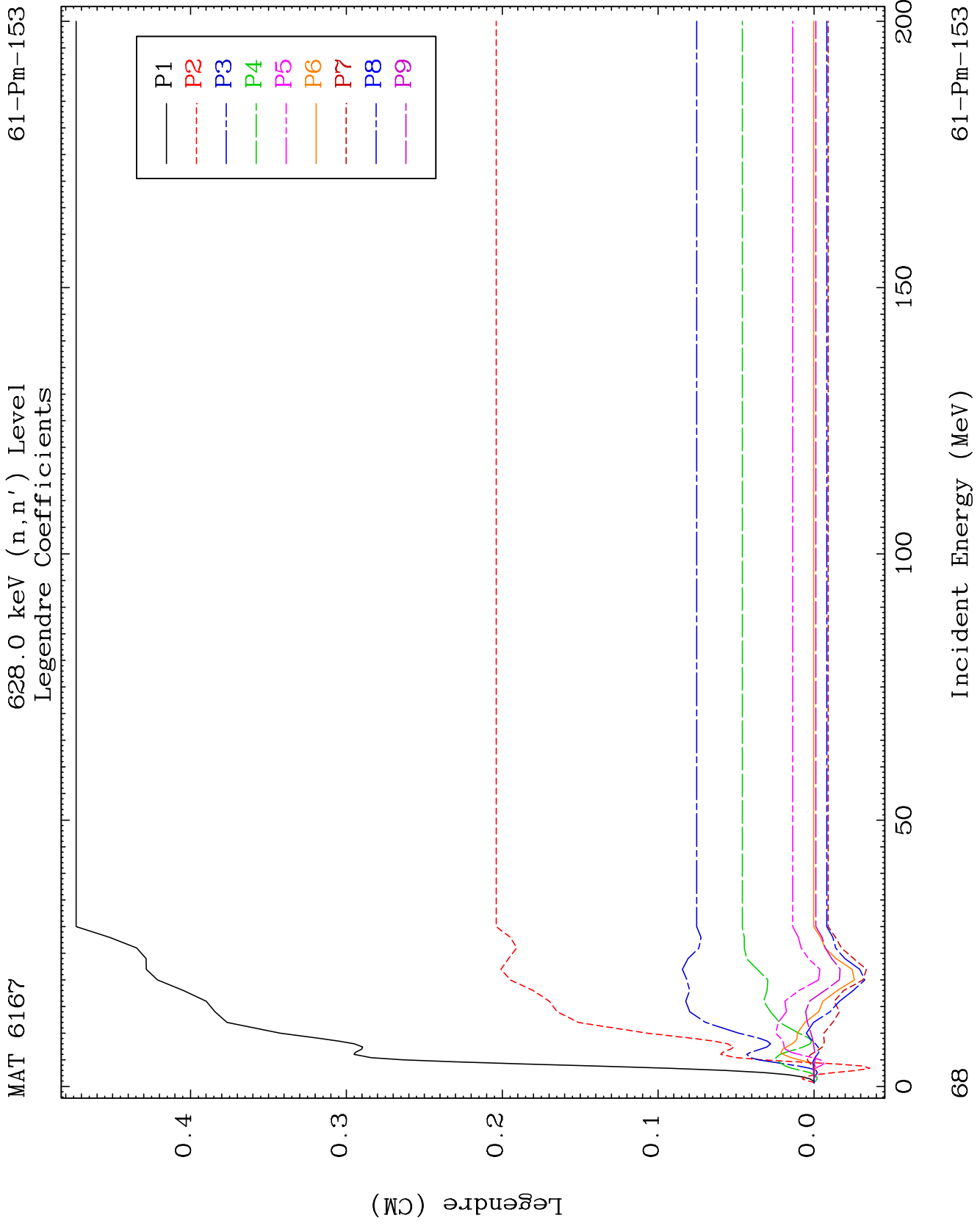


MAT 6167

585.5 keV (n,n') Level
Legendre Coefficients

61-Pm-153

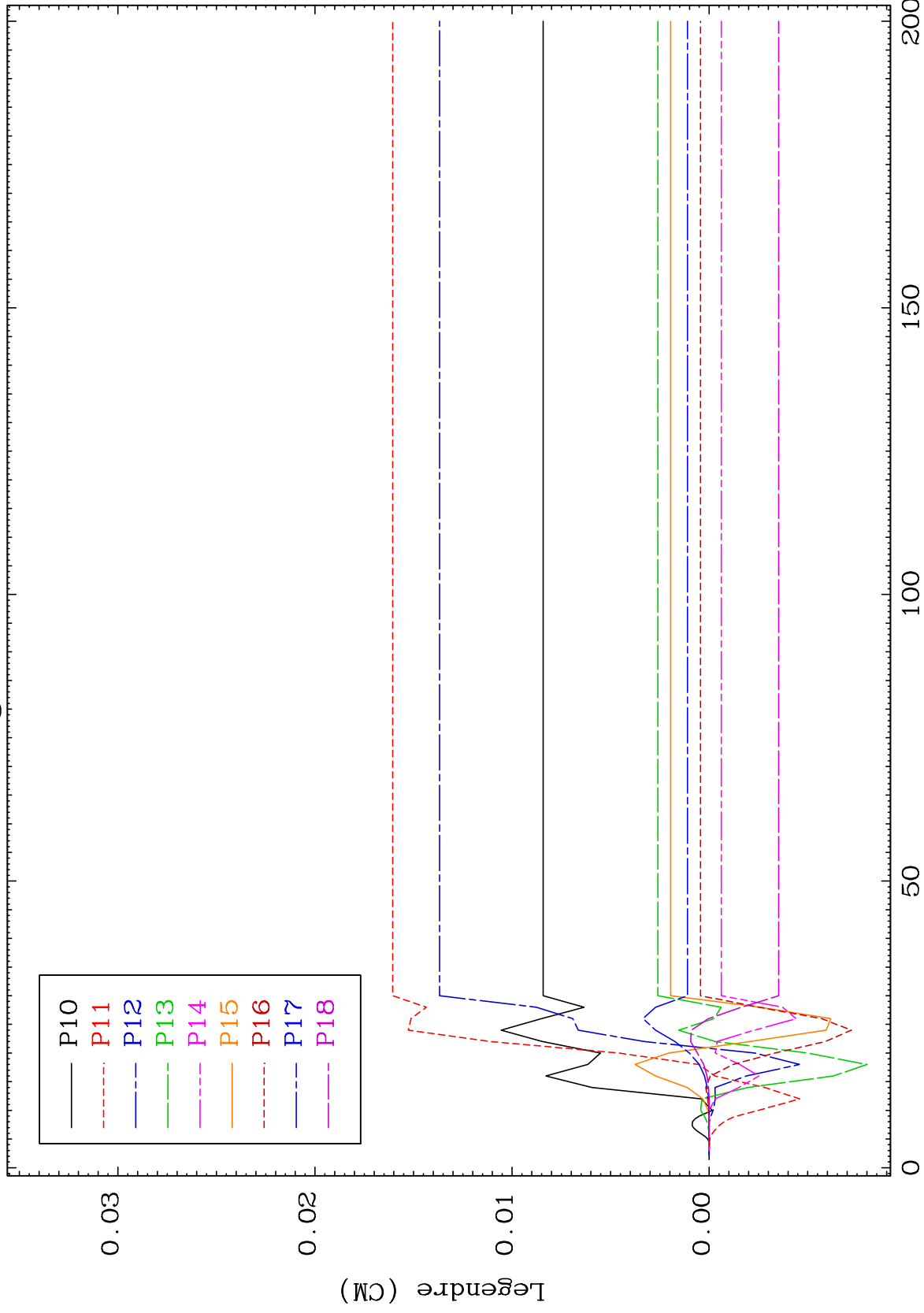




MAT 61677

628.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



69

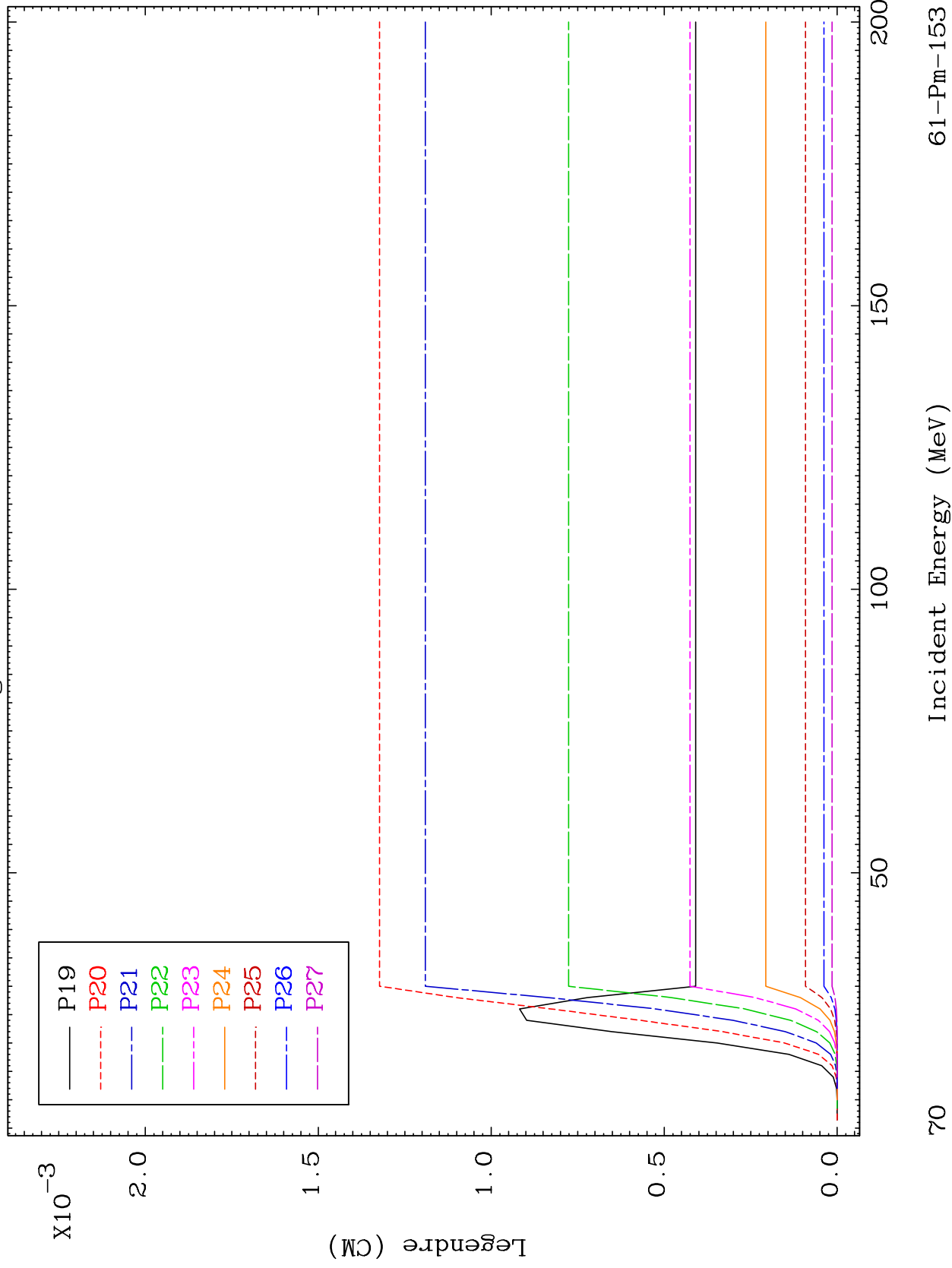
Incident Energy (MeV)

61-Pm-153

MAT 6167

628.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



70

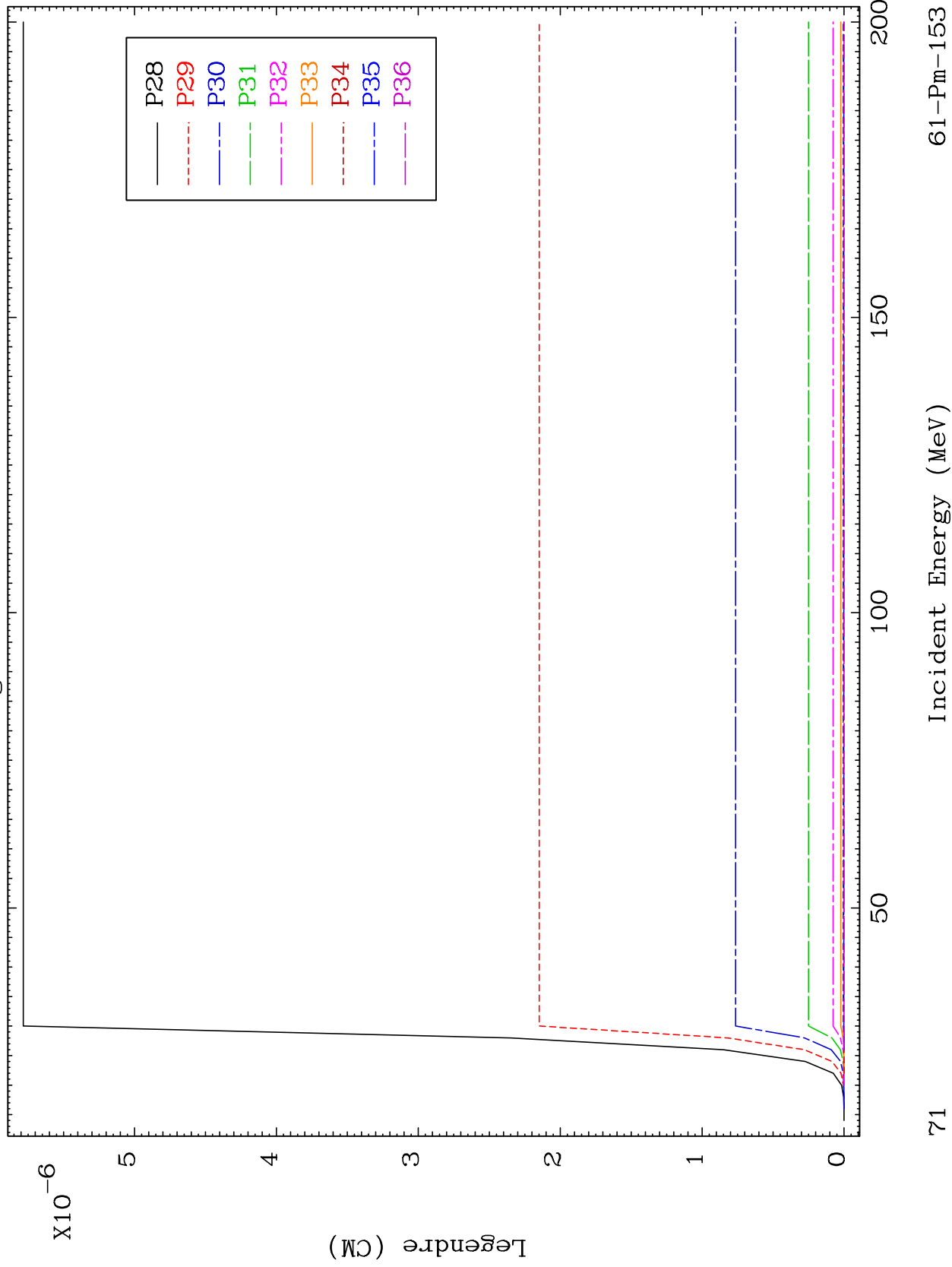
Incident Energy (MeV)

61-Pm-153

MAT 6167

628.0 keV (n,n') Level
Legendre Coefficients

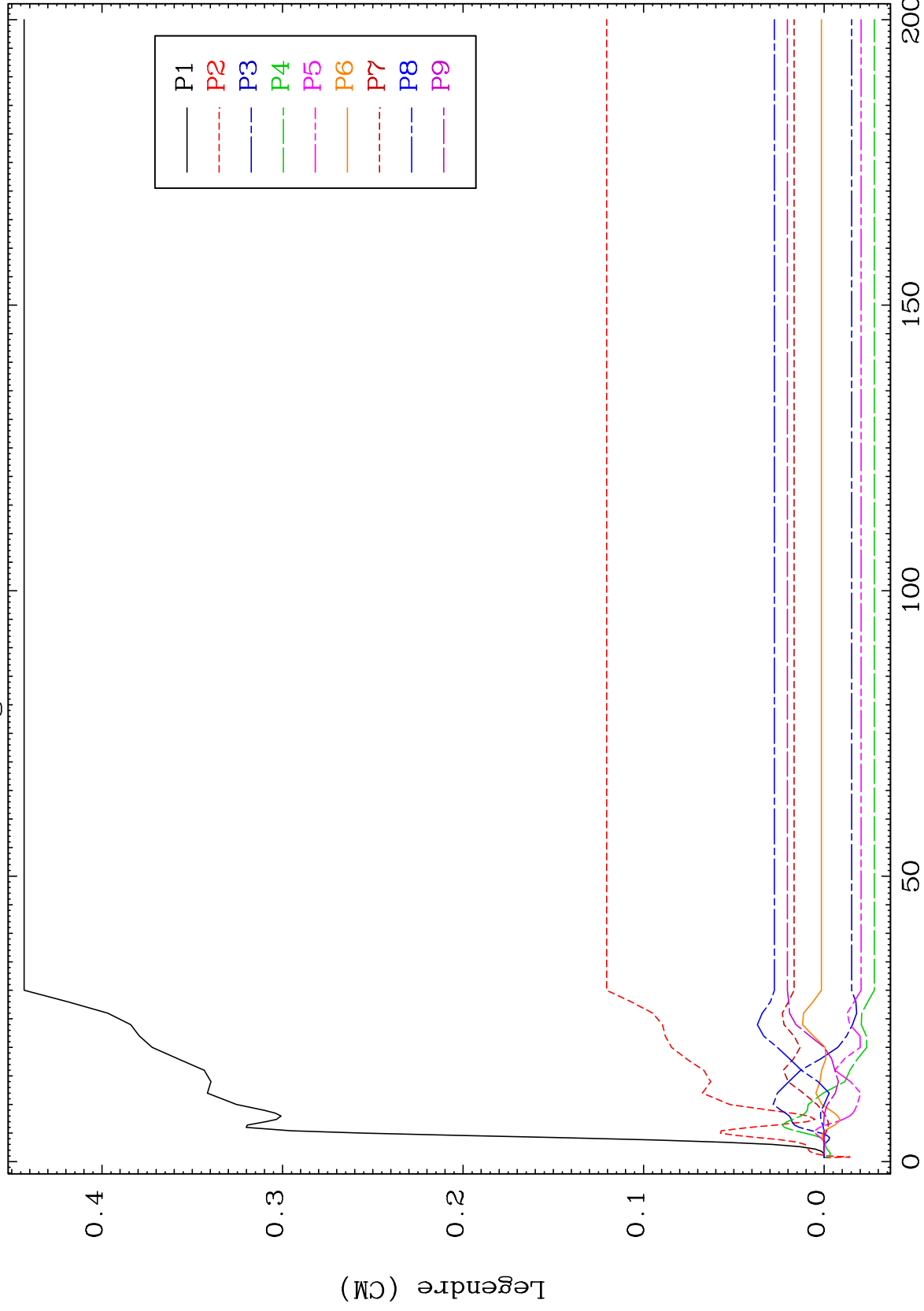
61-Pm-153



MAT 6167

682.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



72

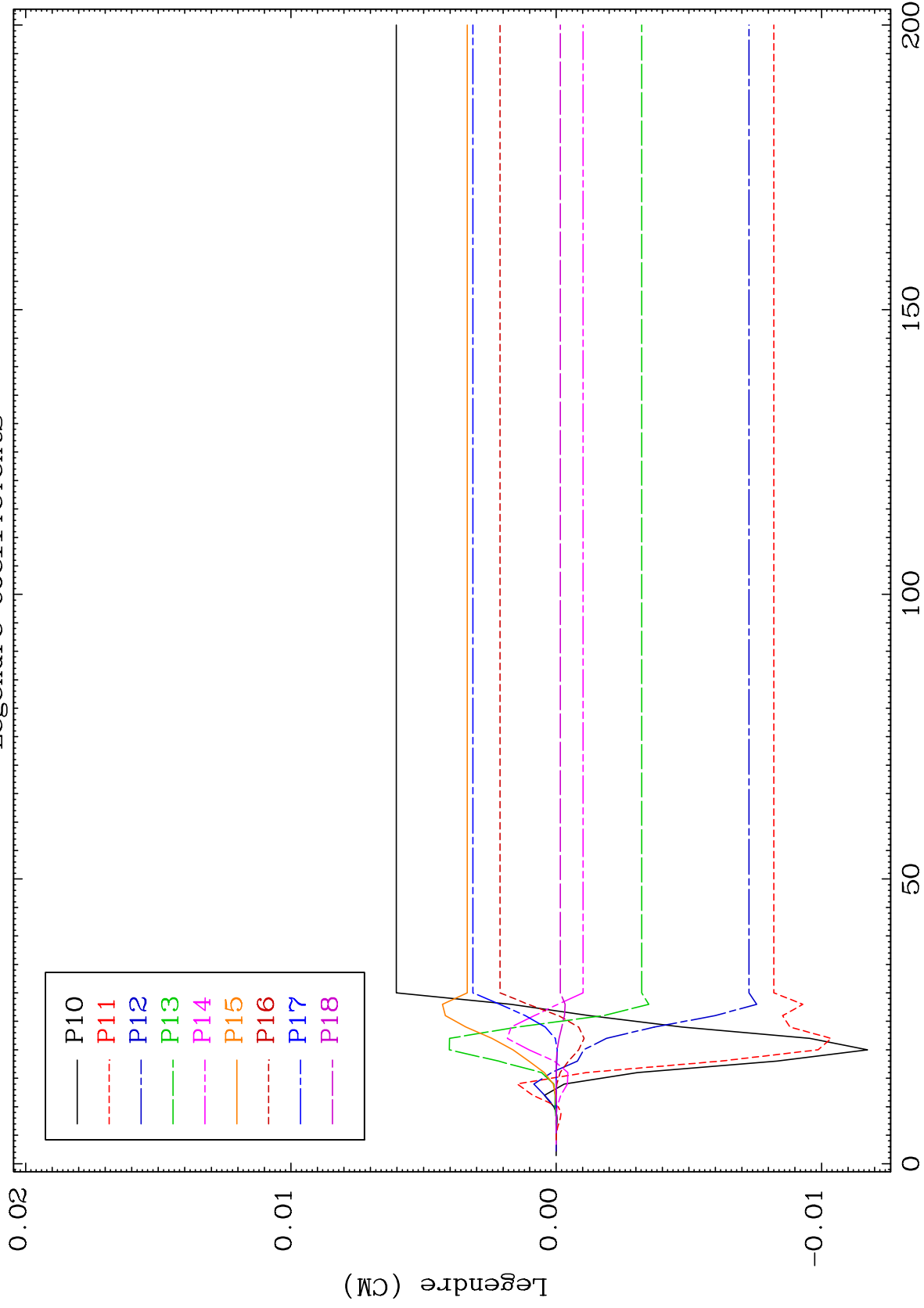
Incident Energy (MeV)

61-Pm-153

MAT 61677

682.0 keV (n,n') Level
Legendre Coefficients

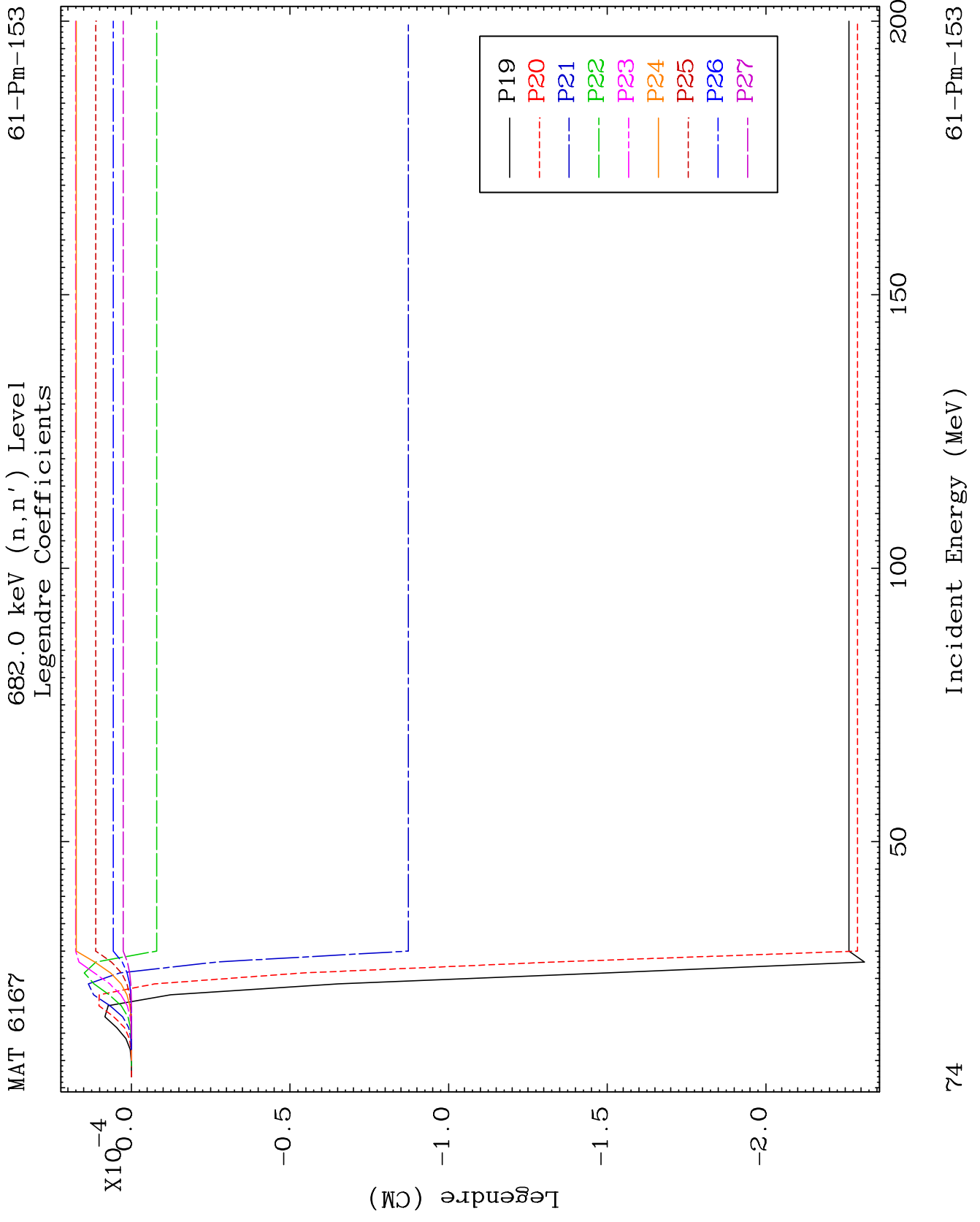
61-Pm-153



73

Incident Energy (MeV)

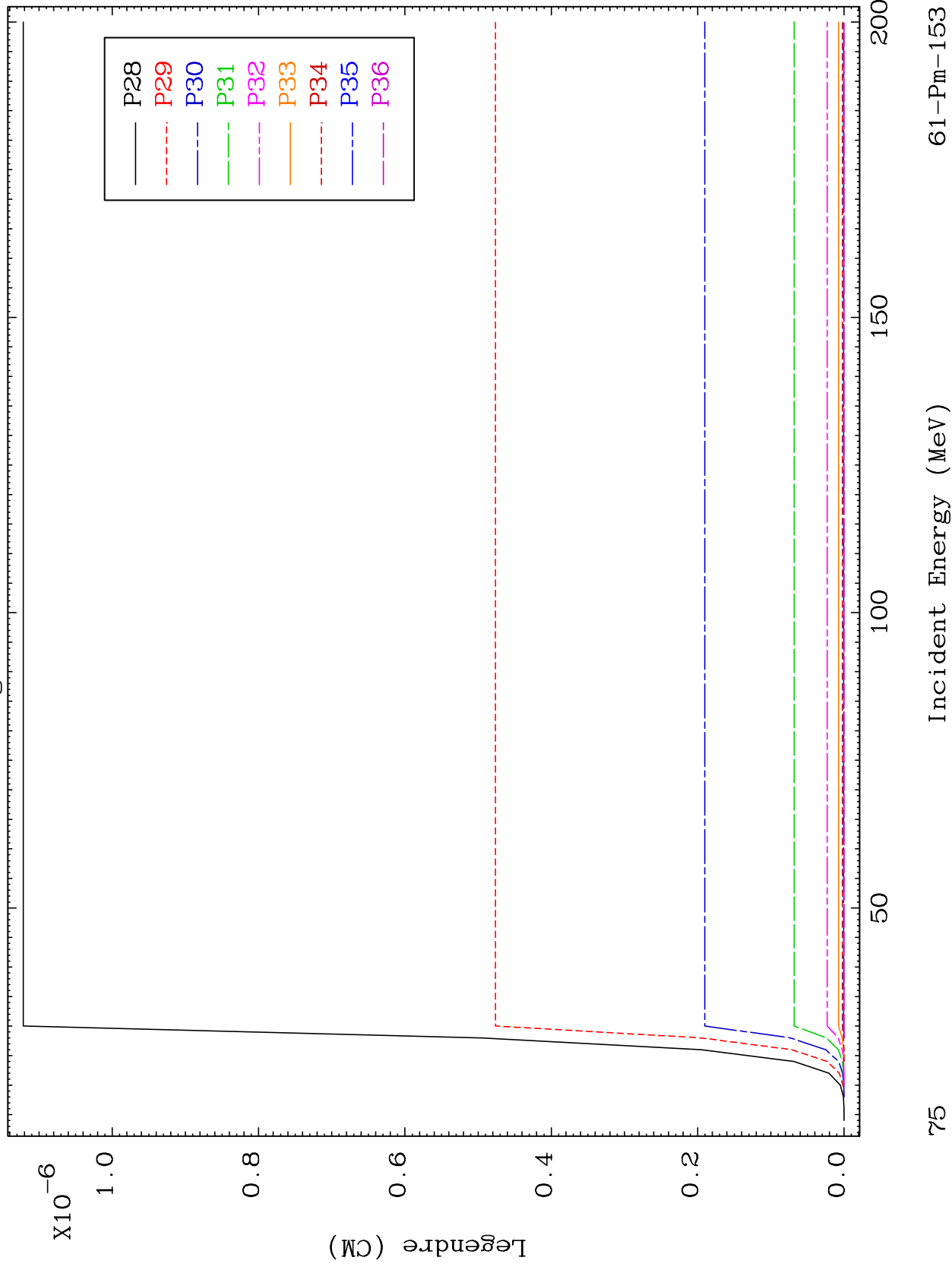
61-Pm-153



MAT 6167

682.0 keV (n,n') Level
Legendre Coefficients

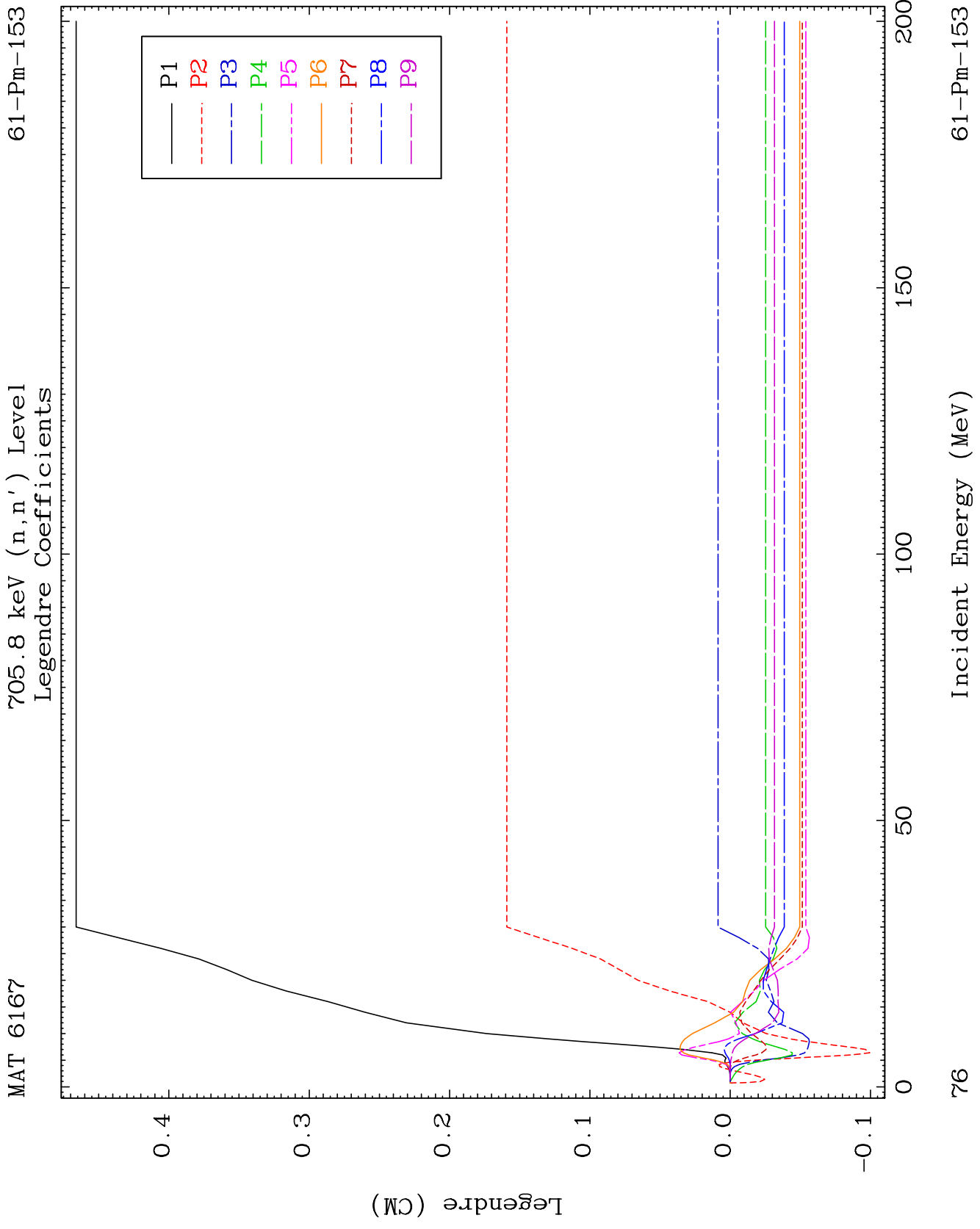
61-Pm-153



61-Pm-153

Incident Energy (MeV)

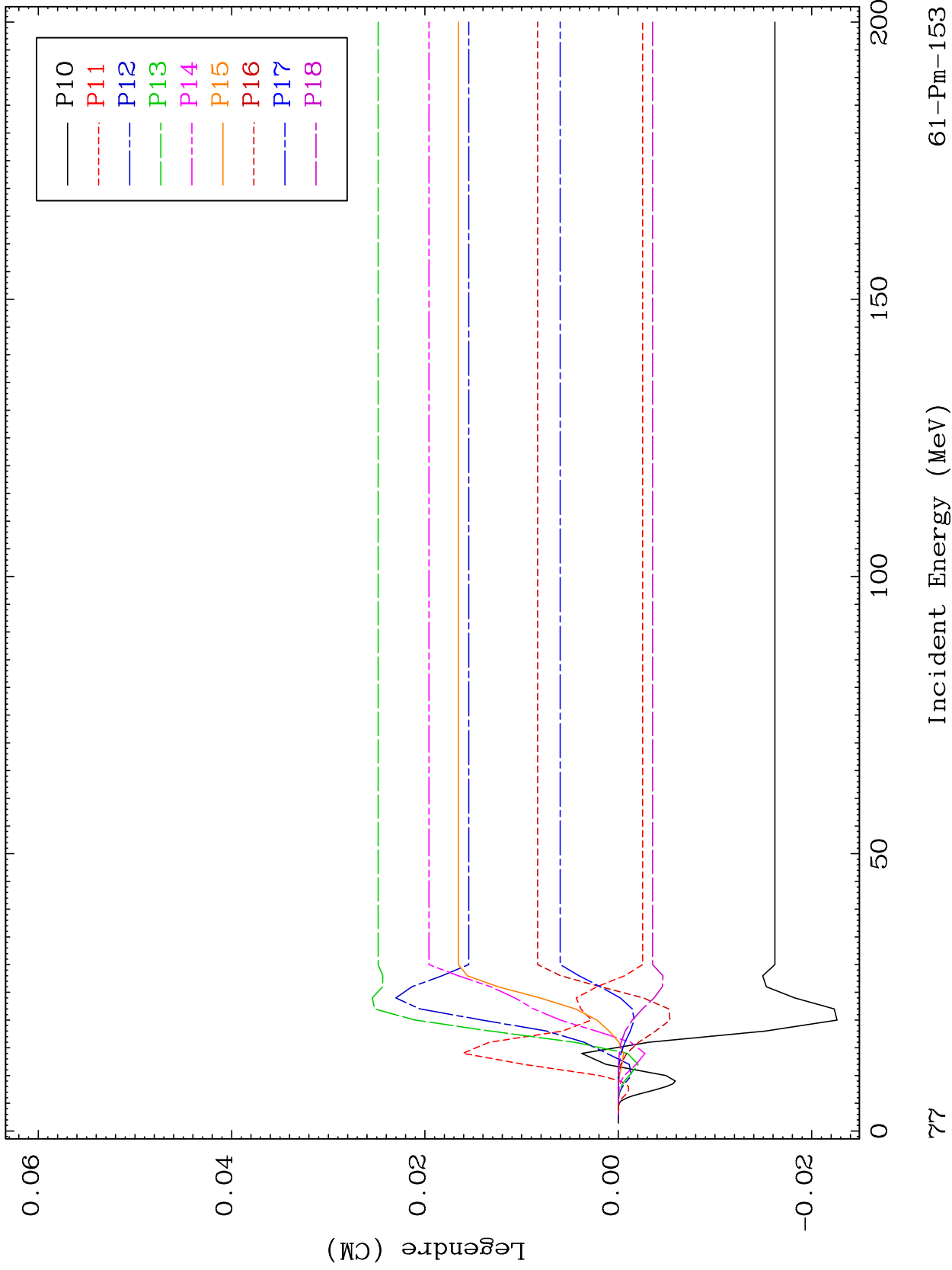
75



MAT 6167

705.8 keV (n,n') Level
Legendre Coefficients

61-Pm-153



77

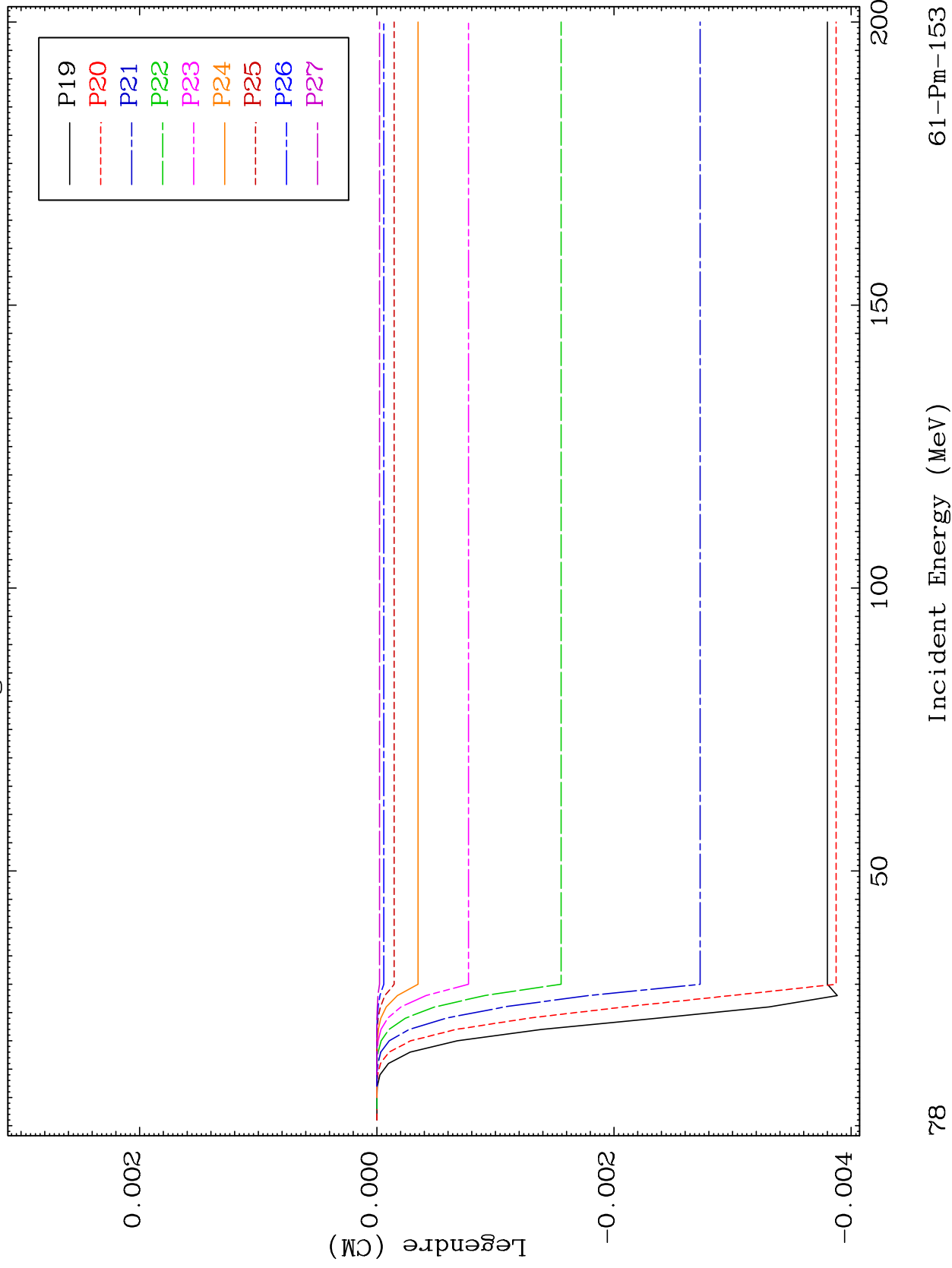
Incident Energy (MeV)

61-Pm-153

MAT 6167

705.8 keV (n,n') Level
Legendre Coefficients

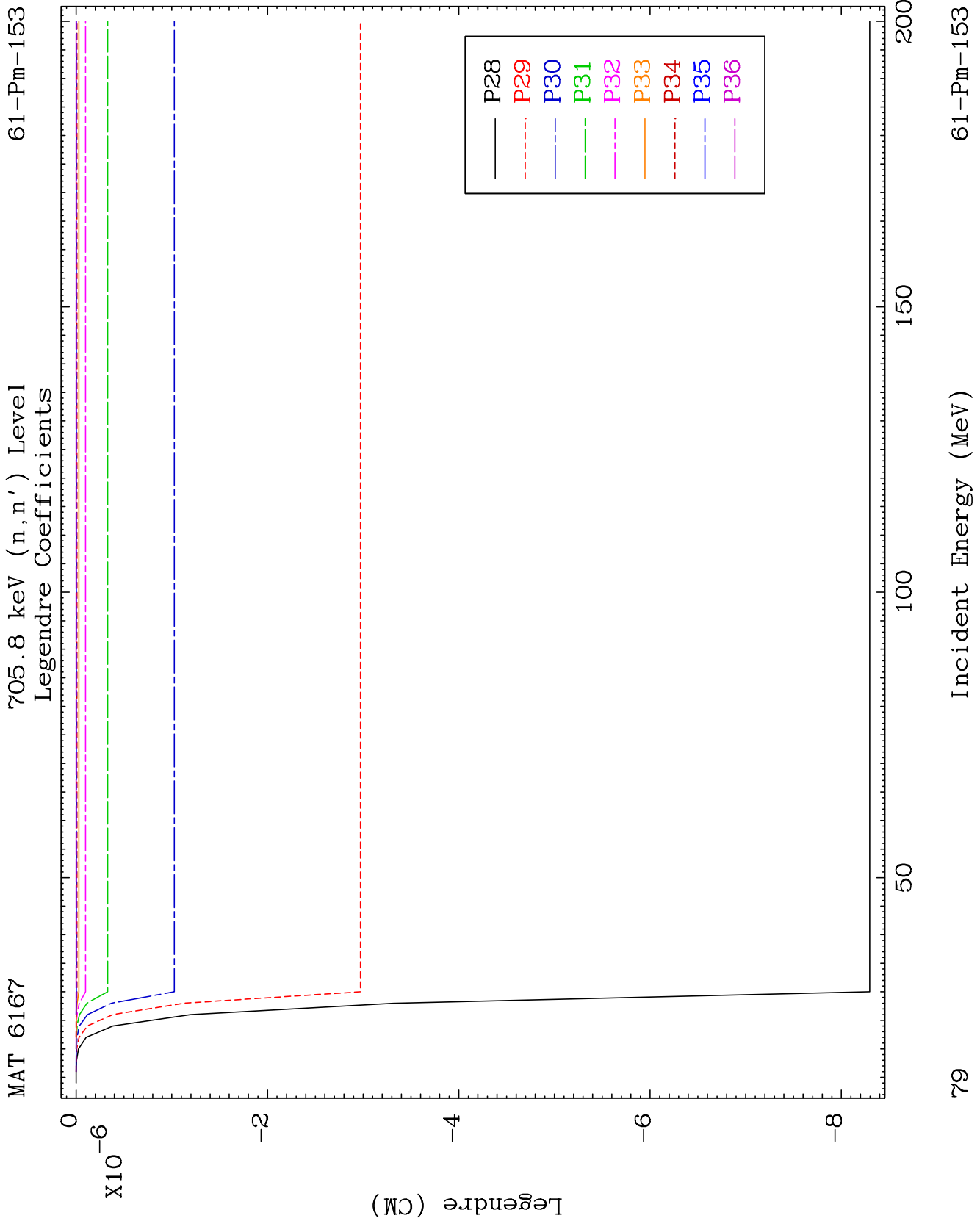
61-Pm-153

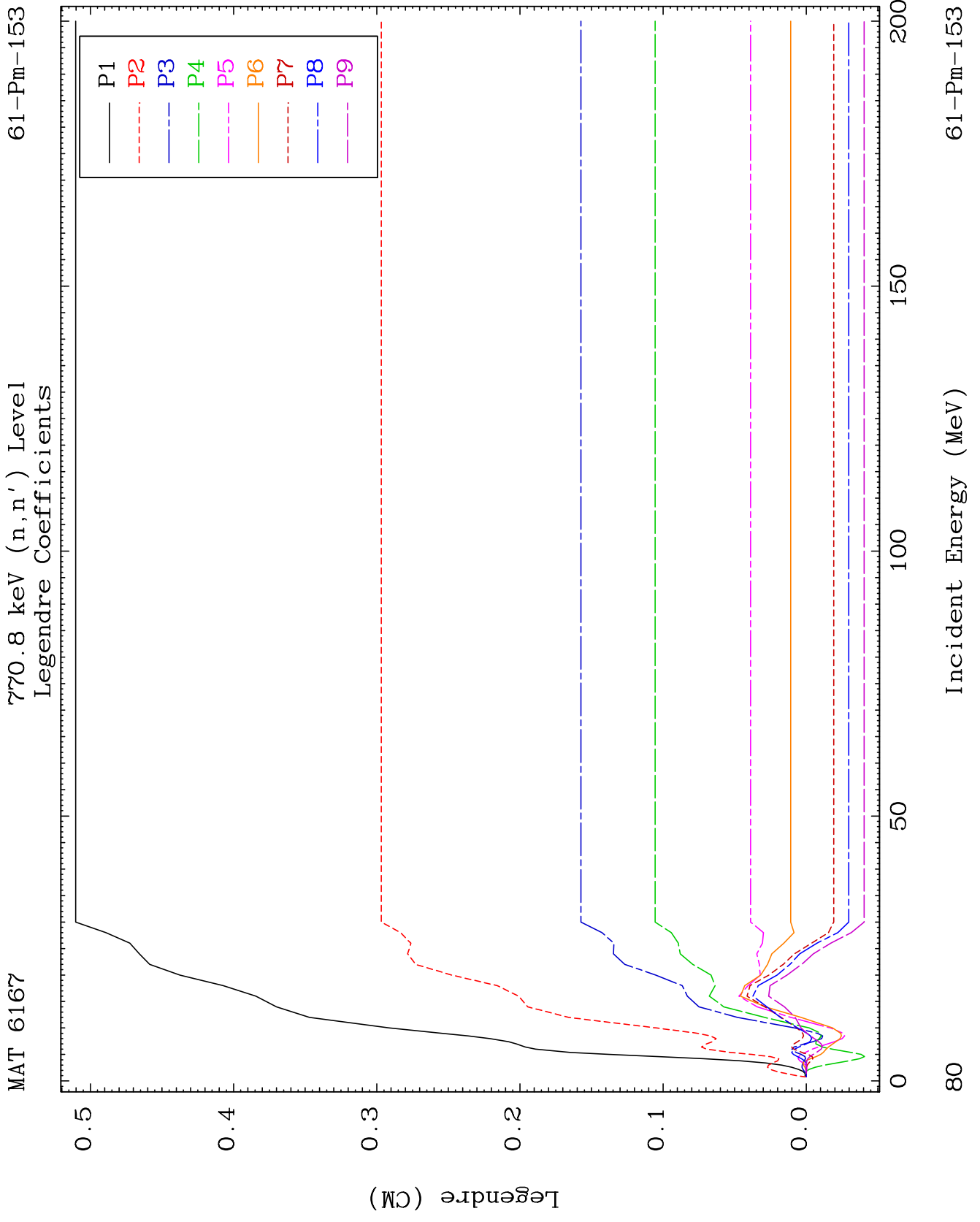


78

Incident Energy (MeV)

61-Pm-153

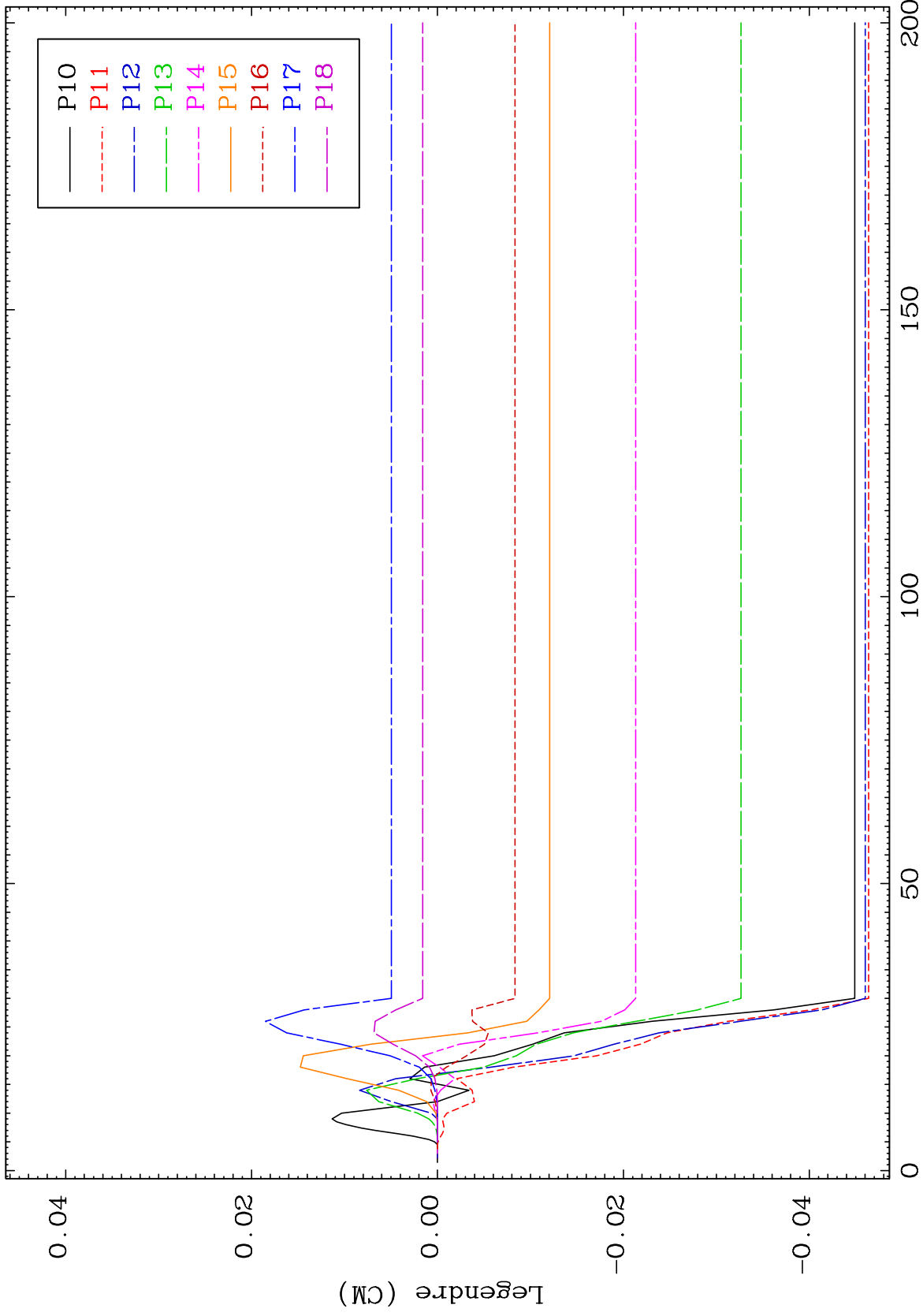




MAT 6167

770.8 keV (n,n') Level
Legendre Coefficients

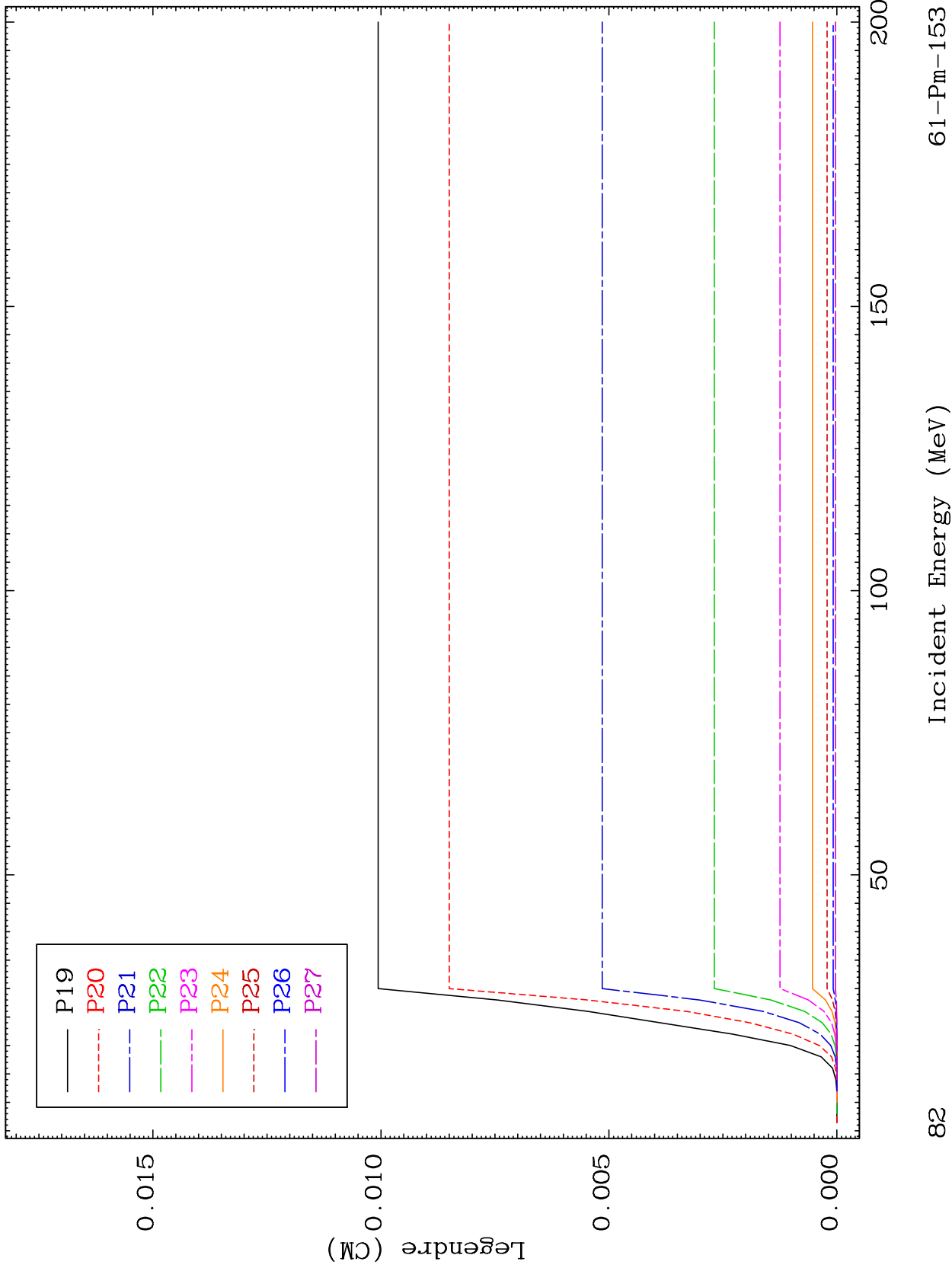
61-Pm-153

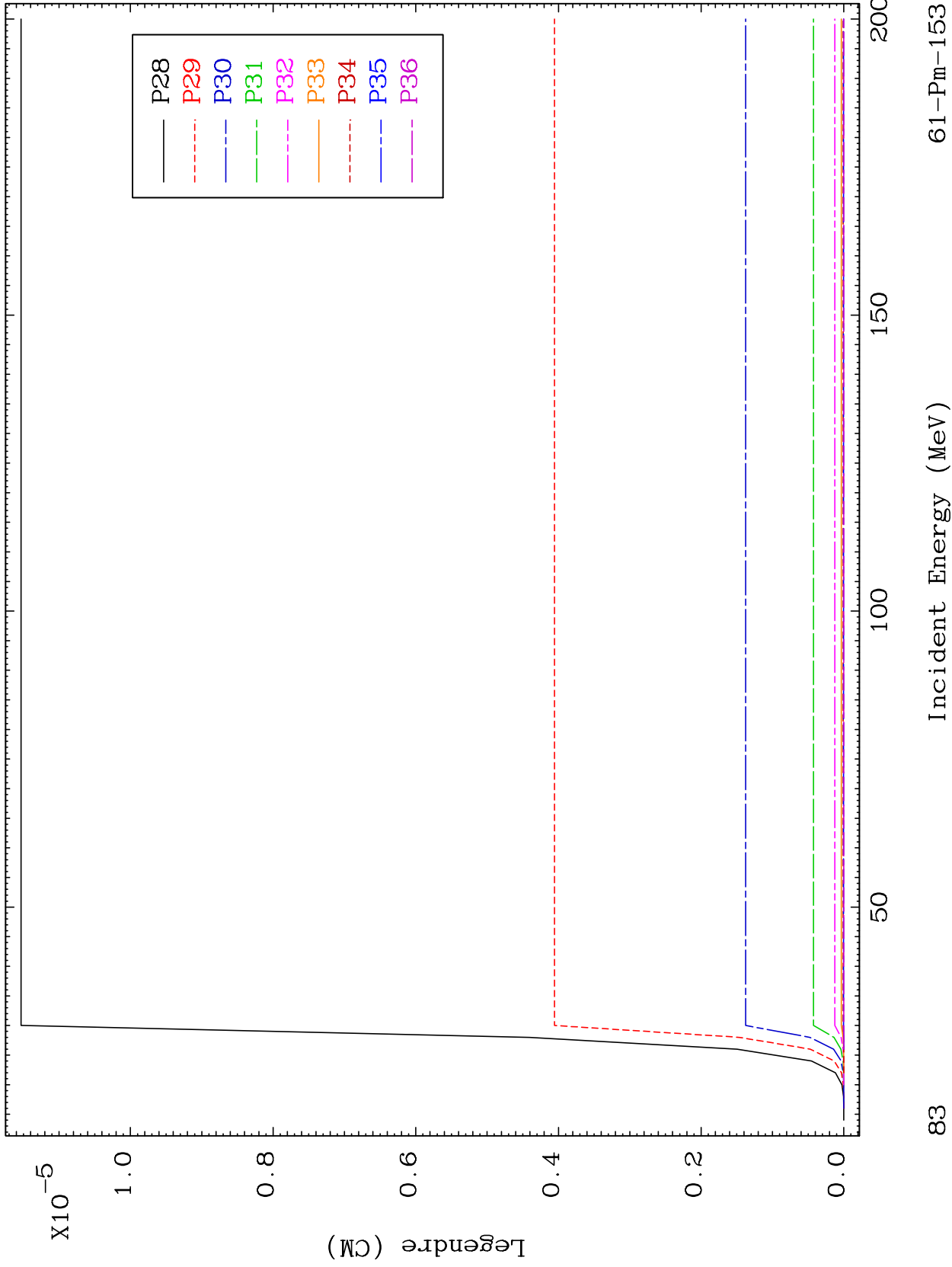


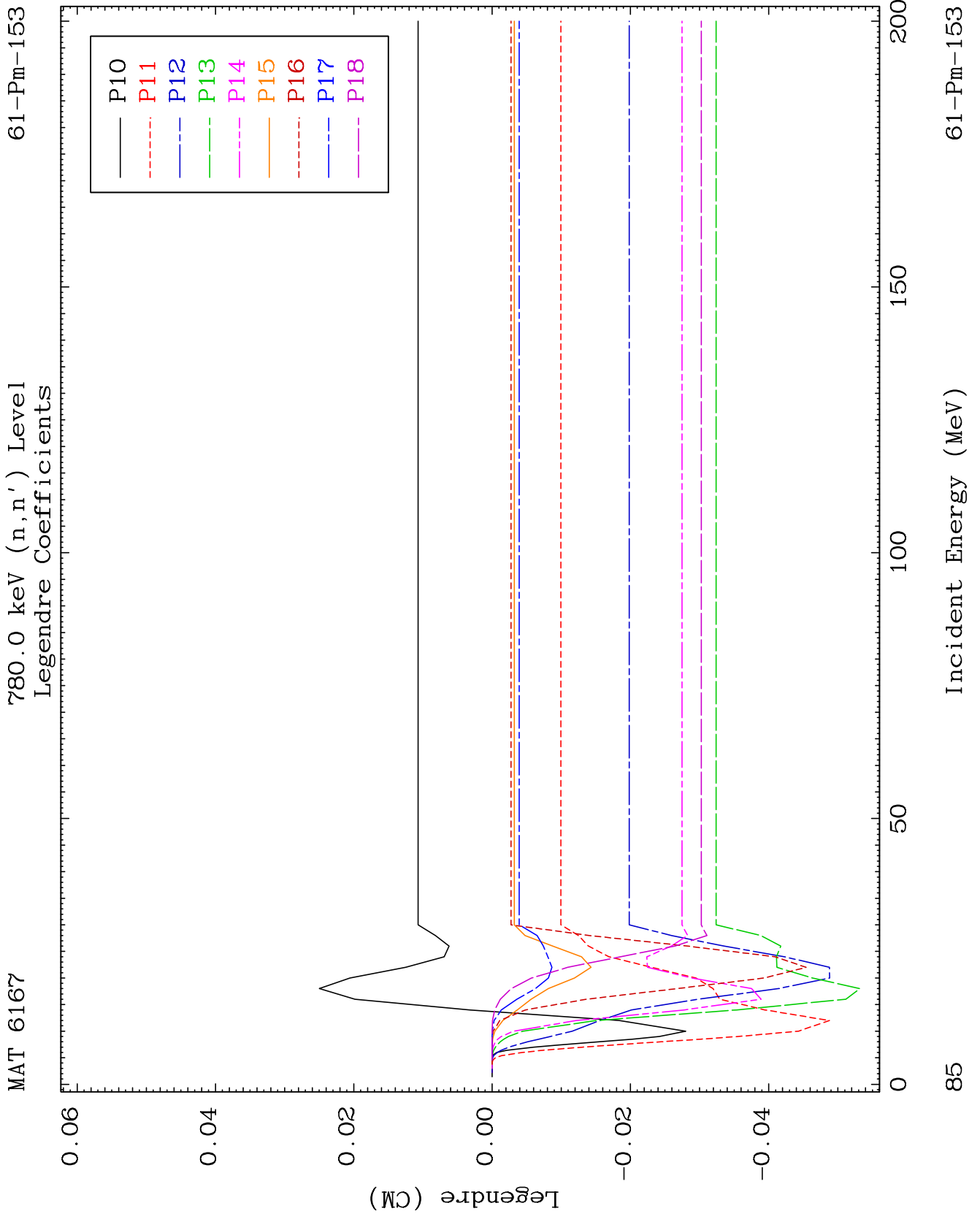
81

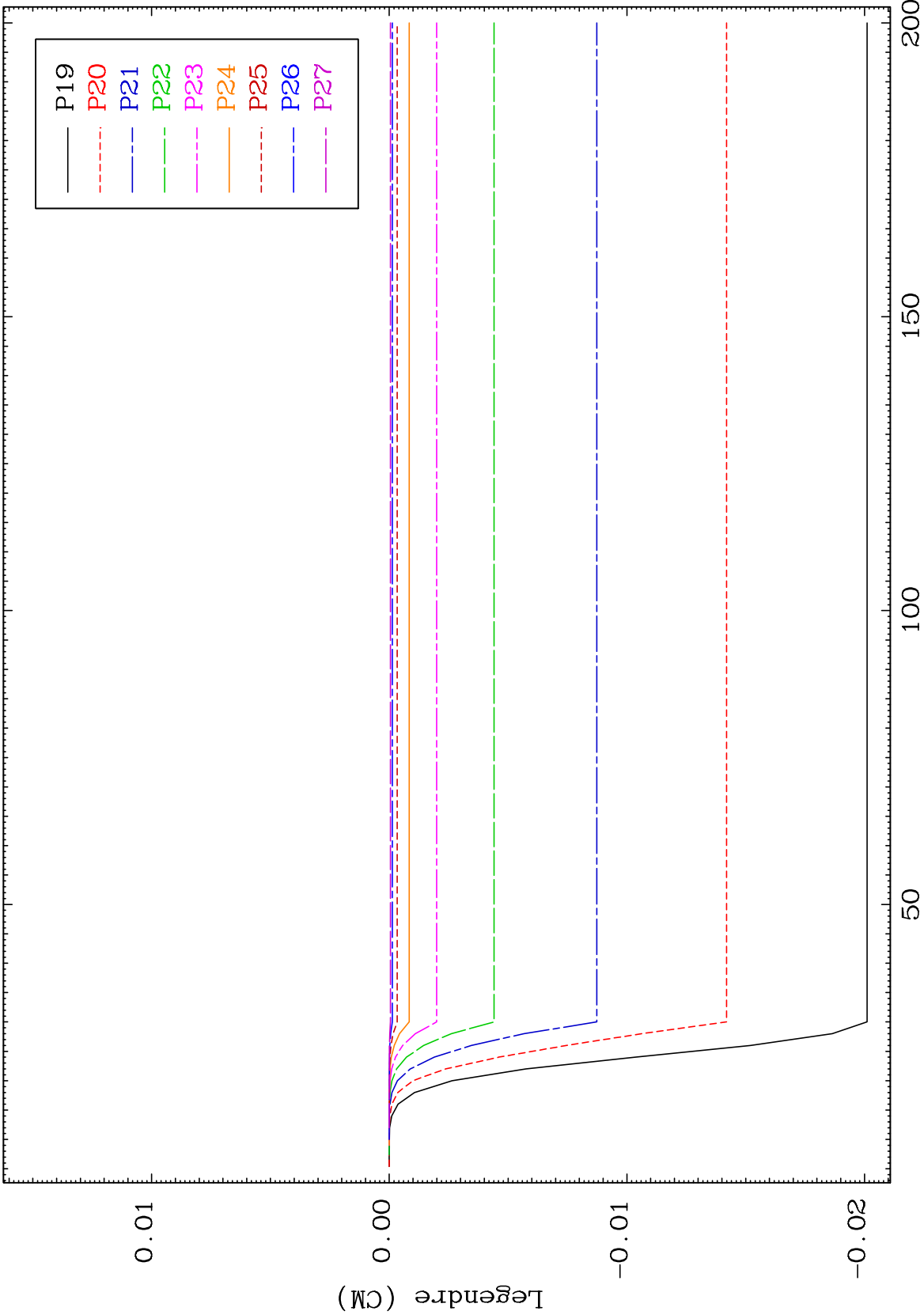
Incident Energy (MeV)

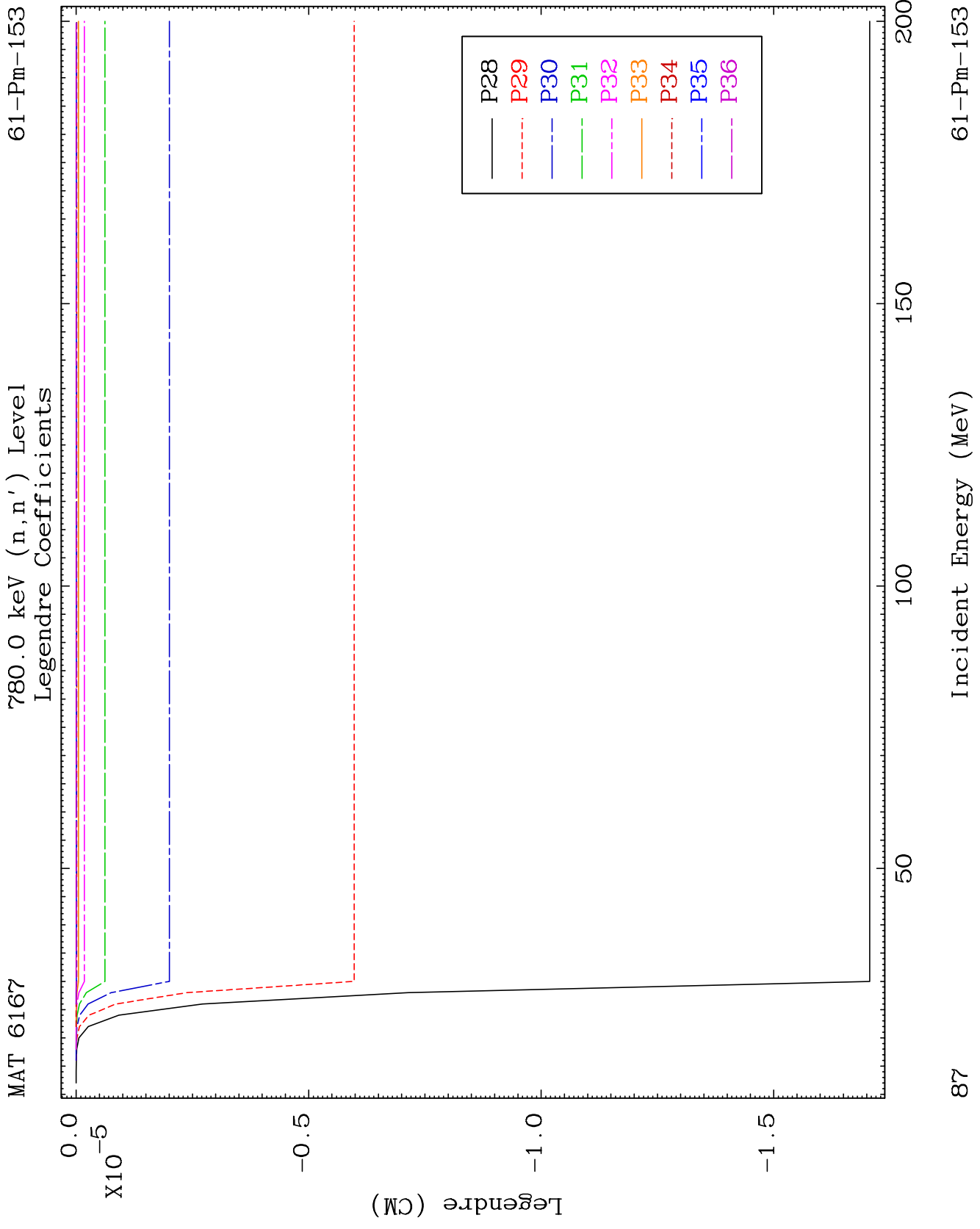
61-Pm-153

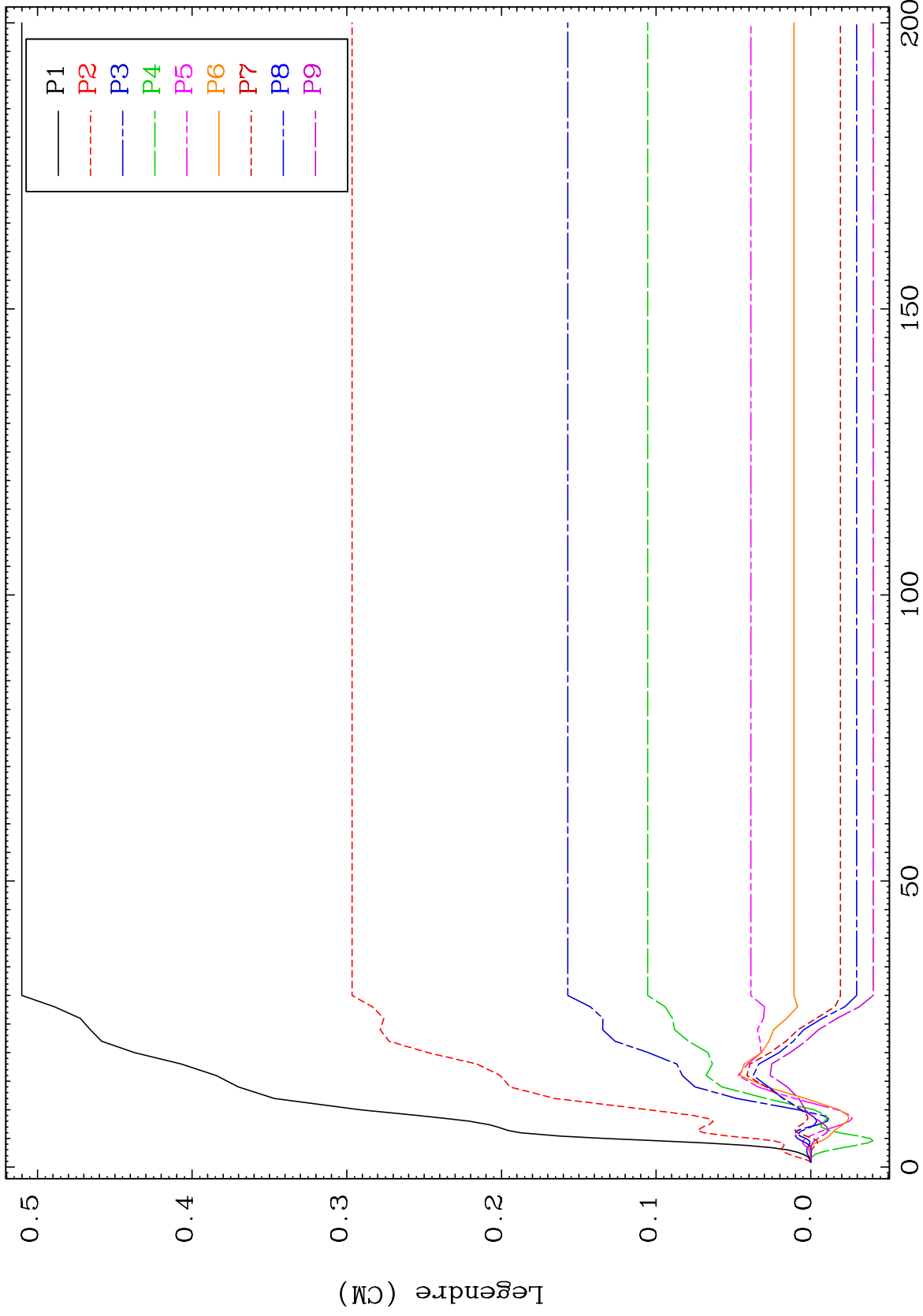


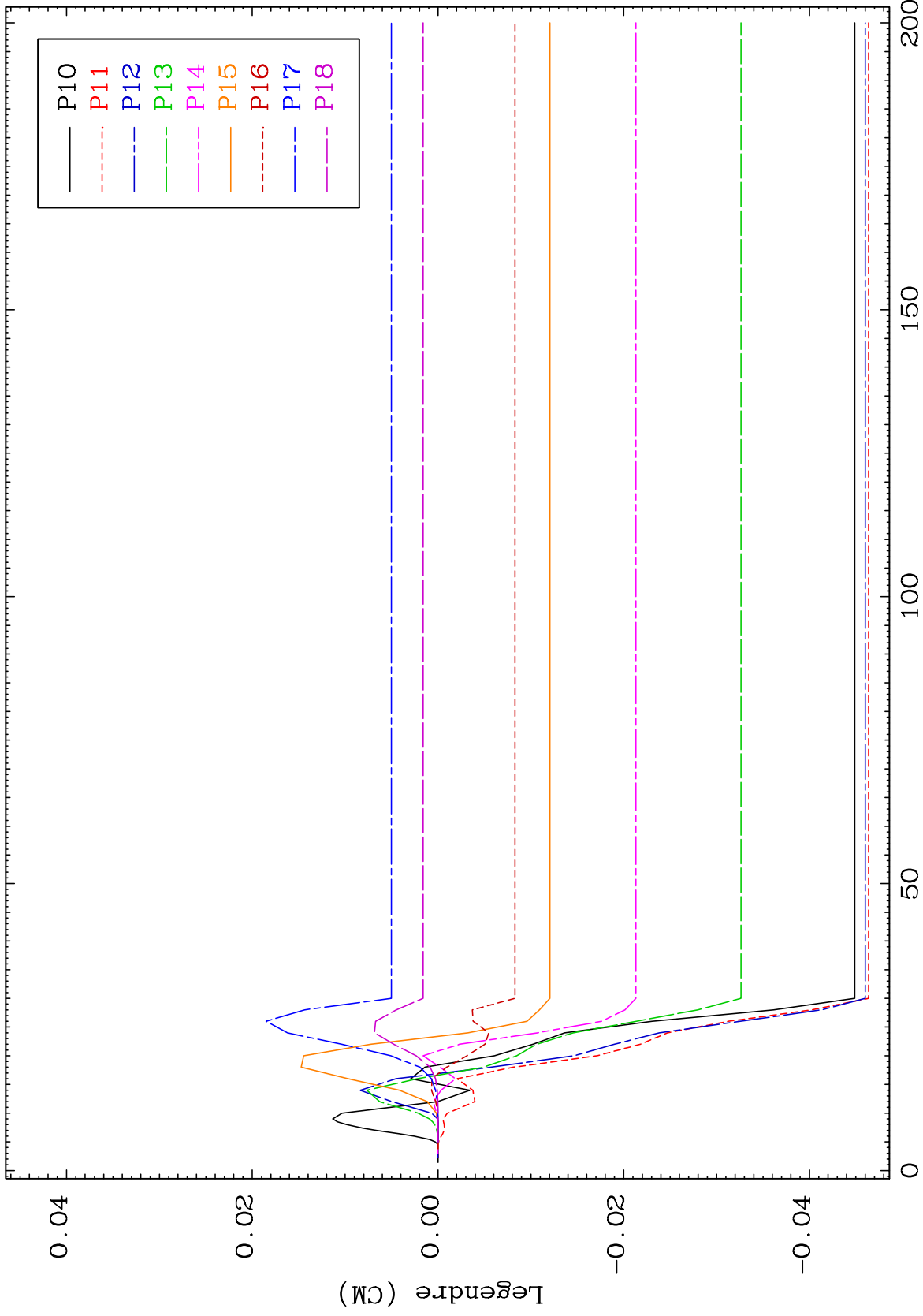








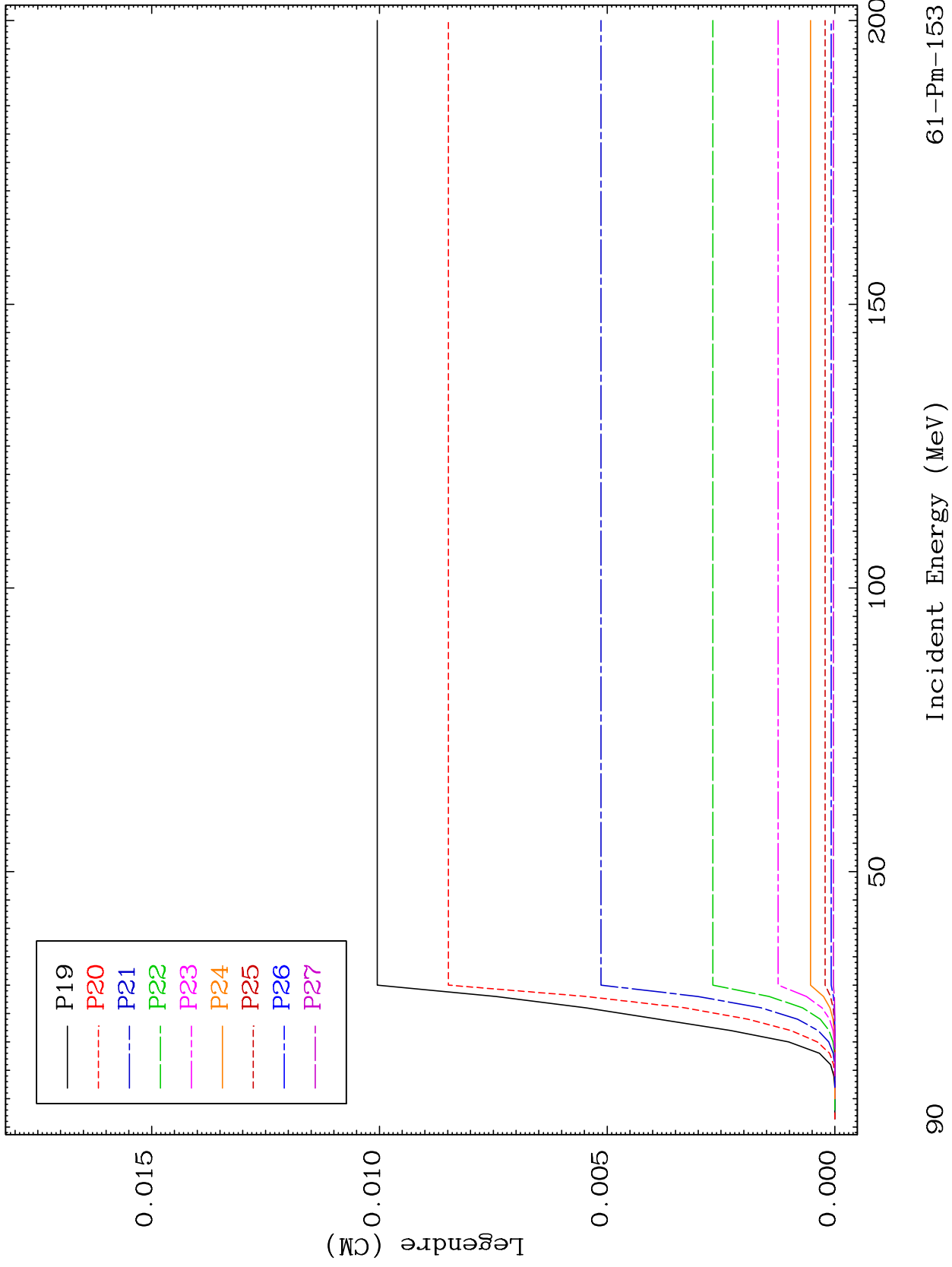




MAT 61677

791.2 keV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

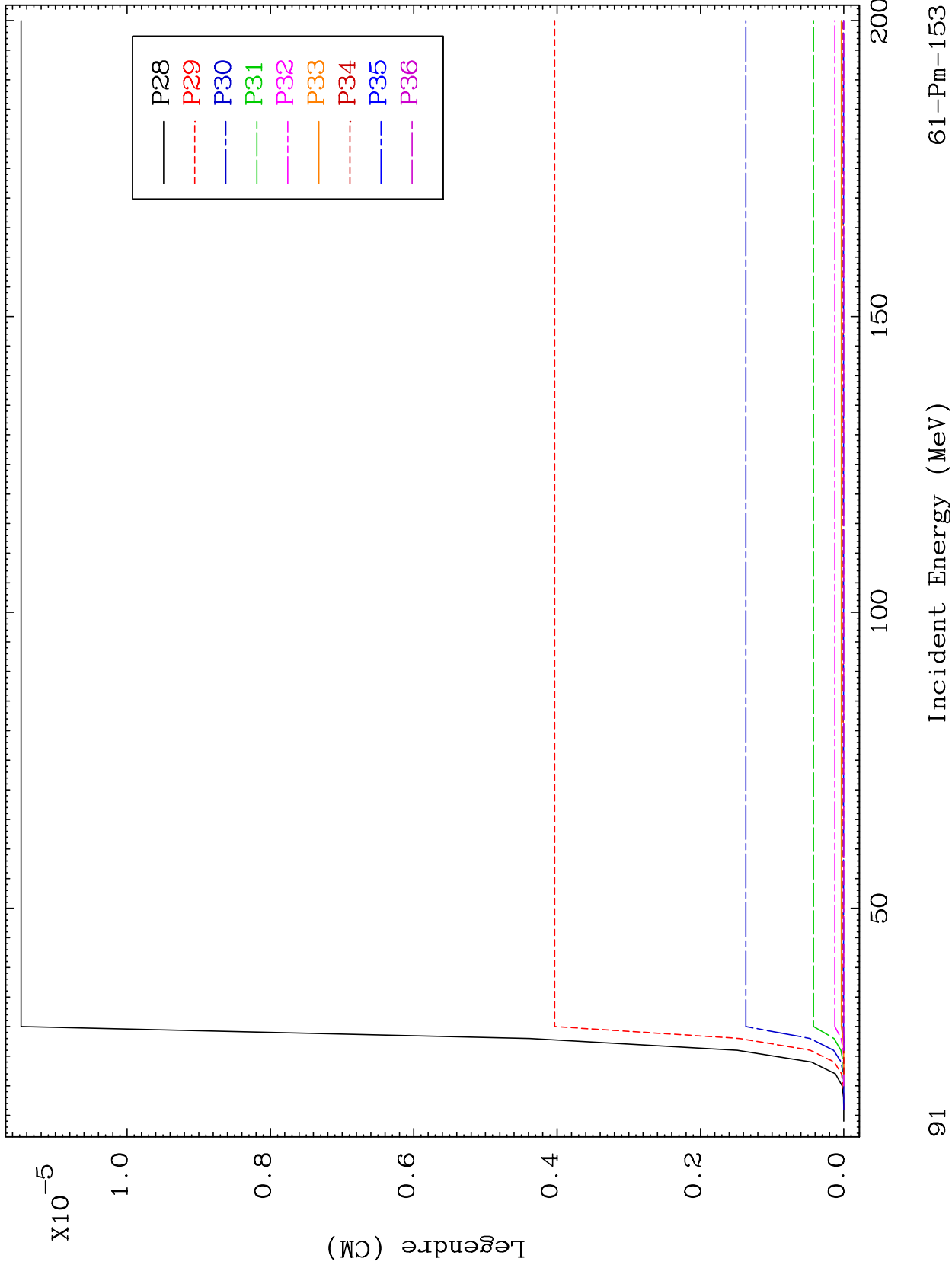
Incident Energy (MeV)

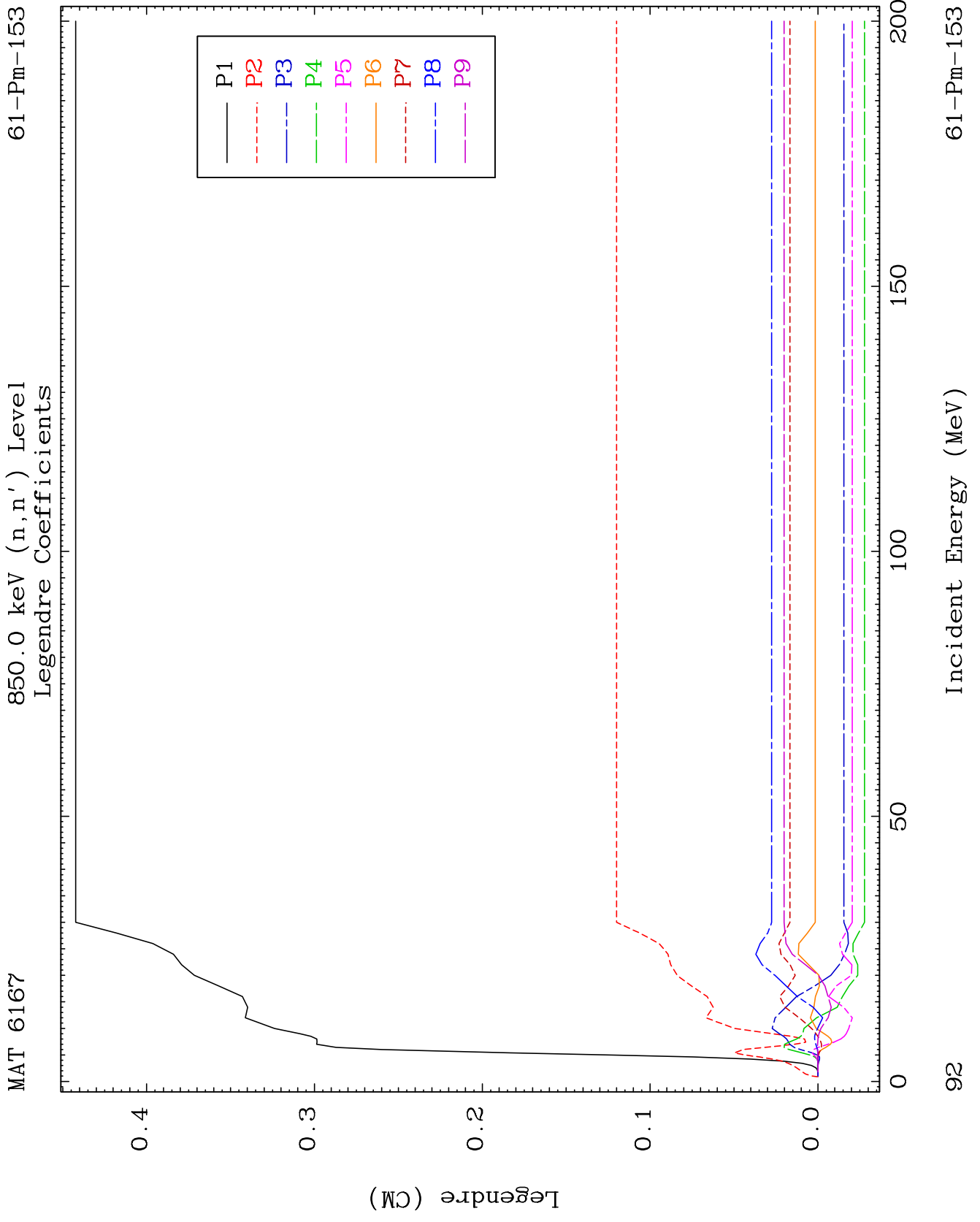
90

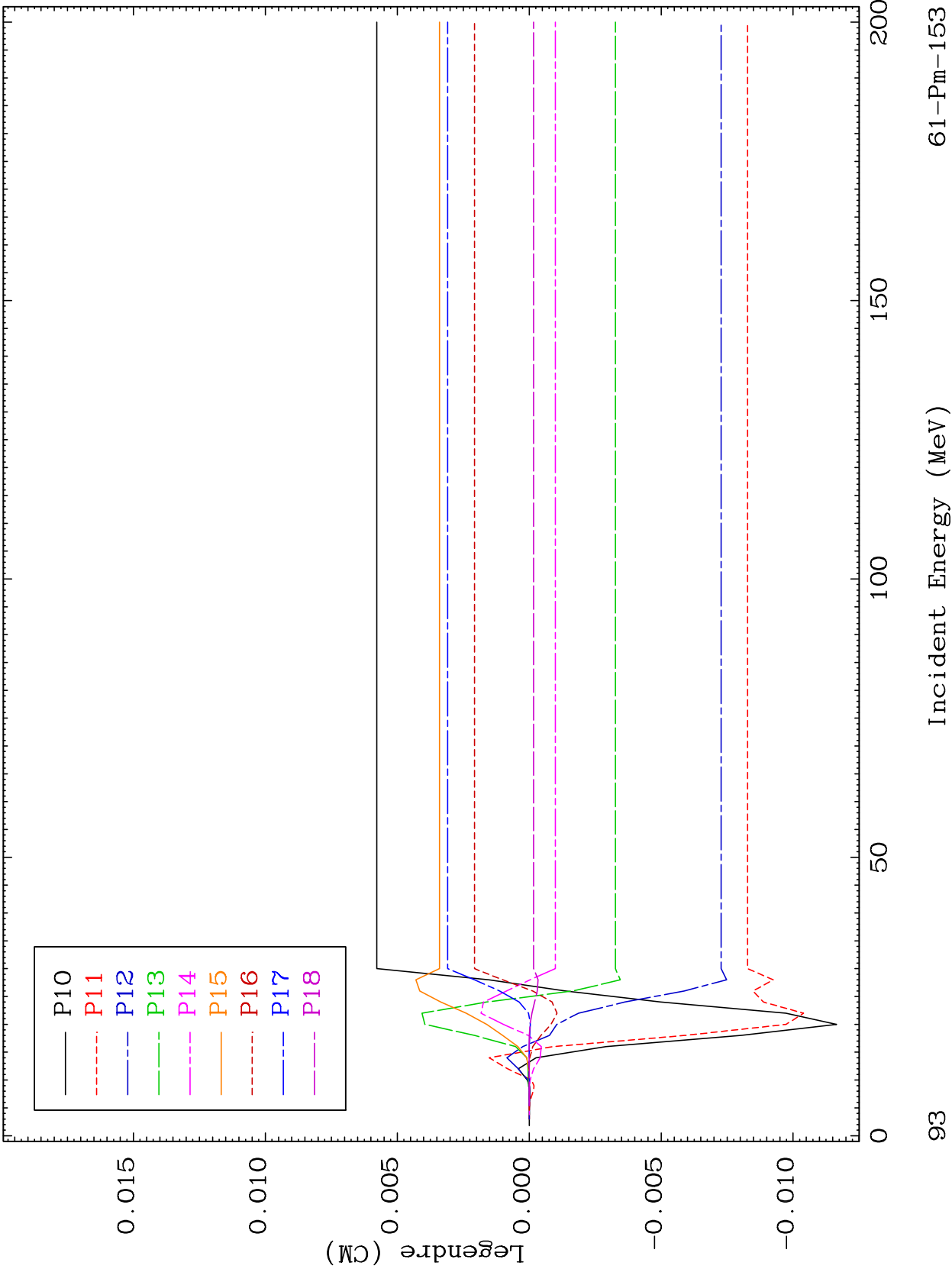
MAT 6167

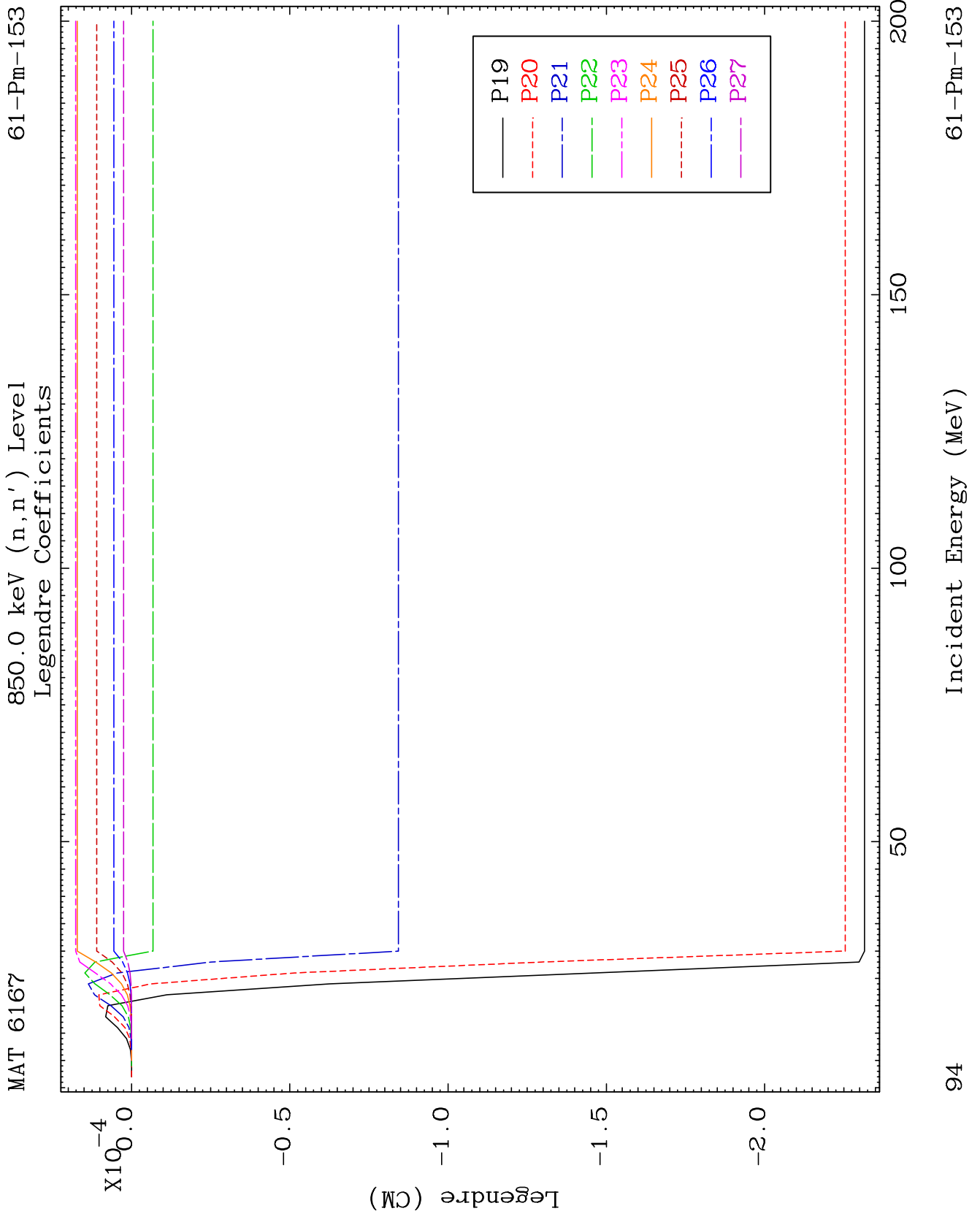
791.2 keV (n,n') Level
Legendre Coefficients

61-Pm-153





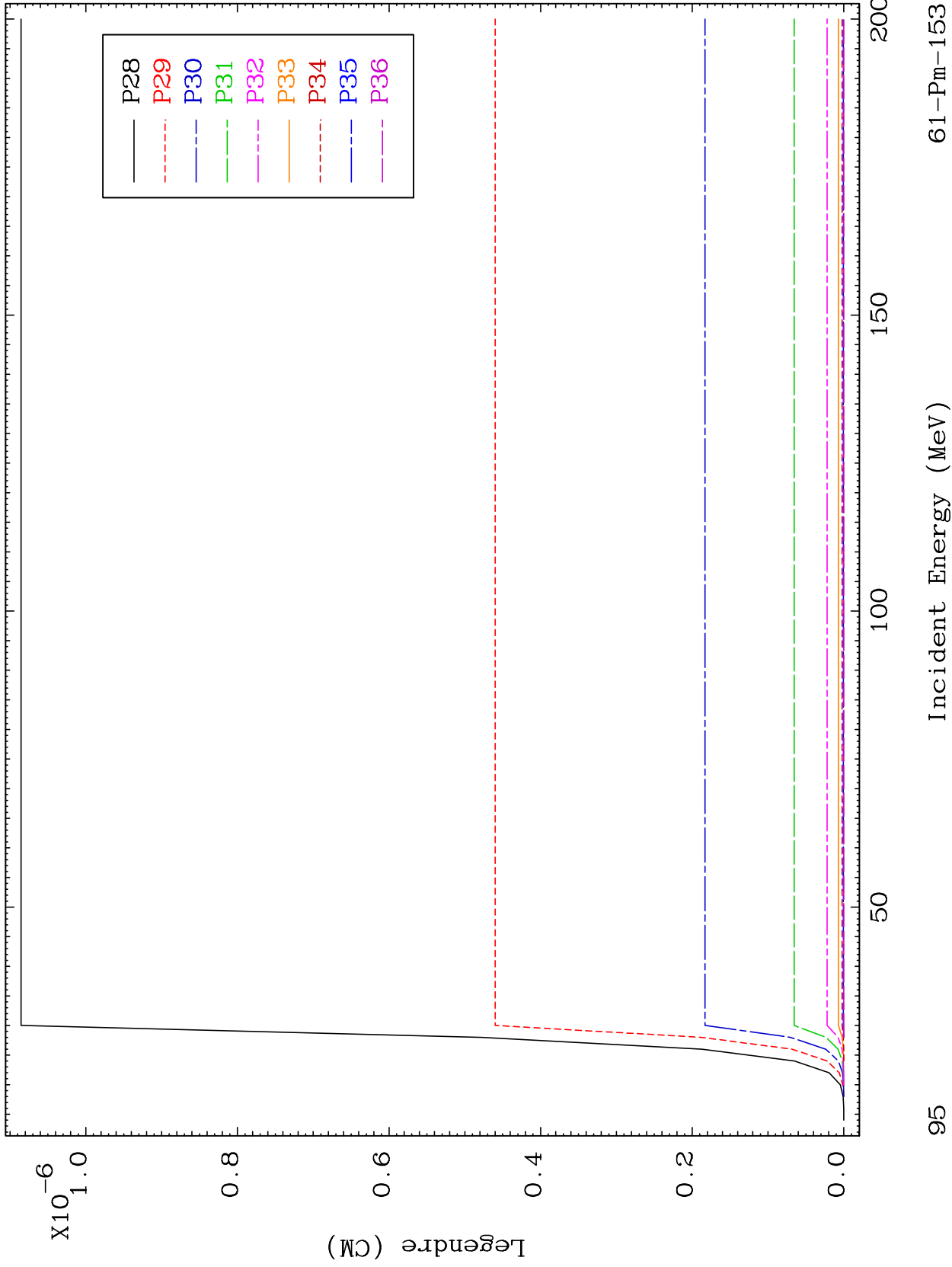




MAT 6167

850.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



95

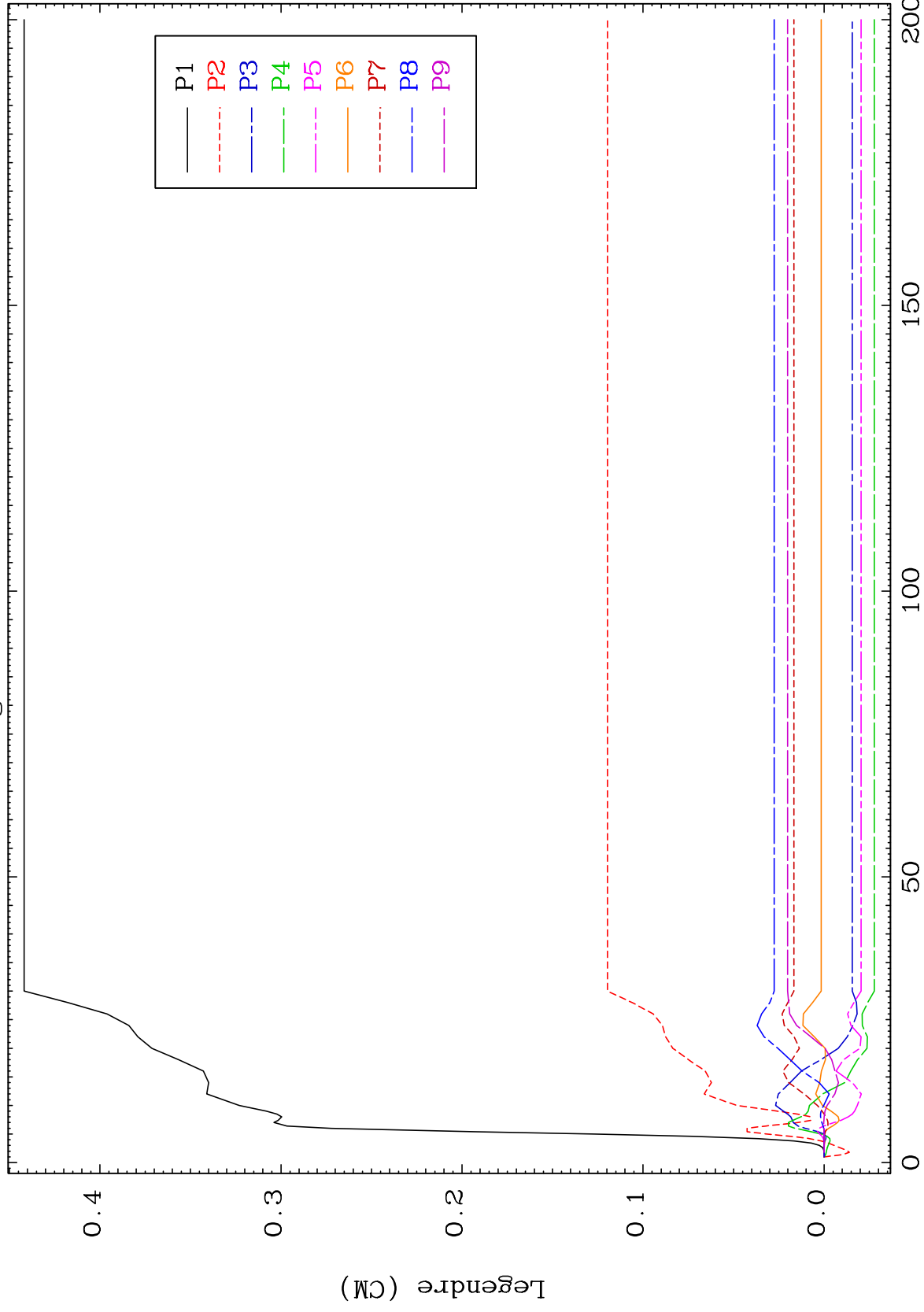
Incident Energy (MeV)

61-Pm-153

MAT 6167

935.0 keV (n,n') Level
Legendre Coefficients

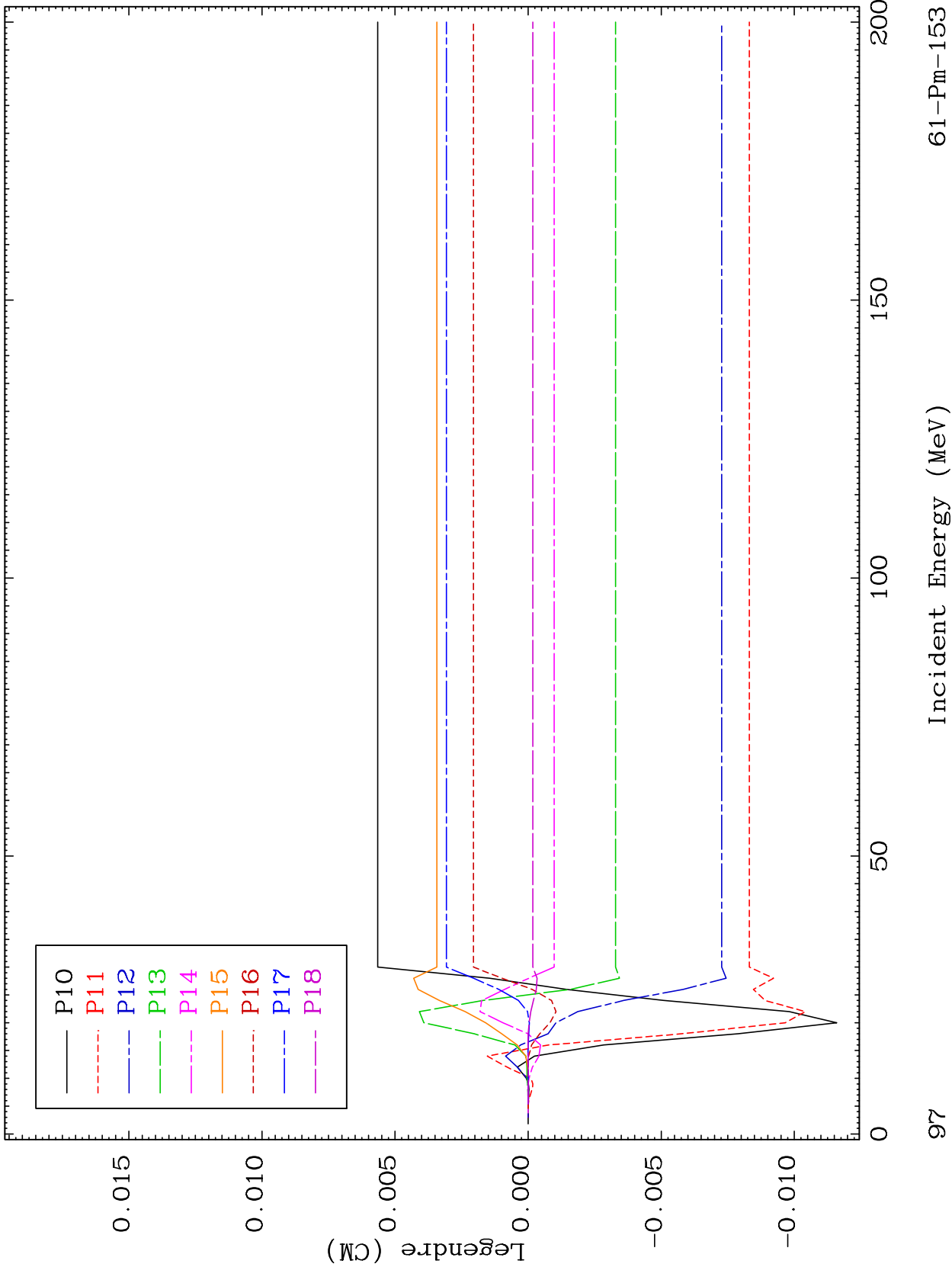
61-Pm-153

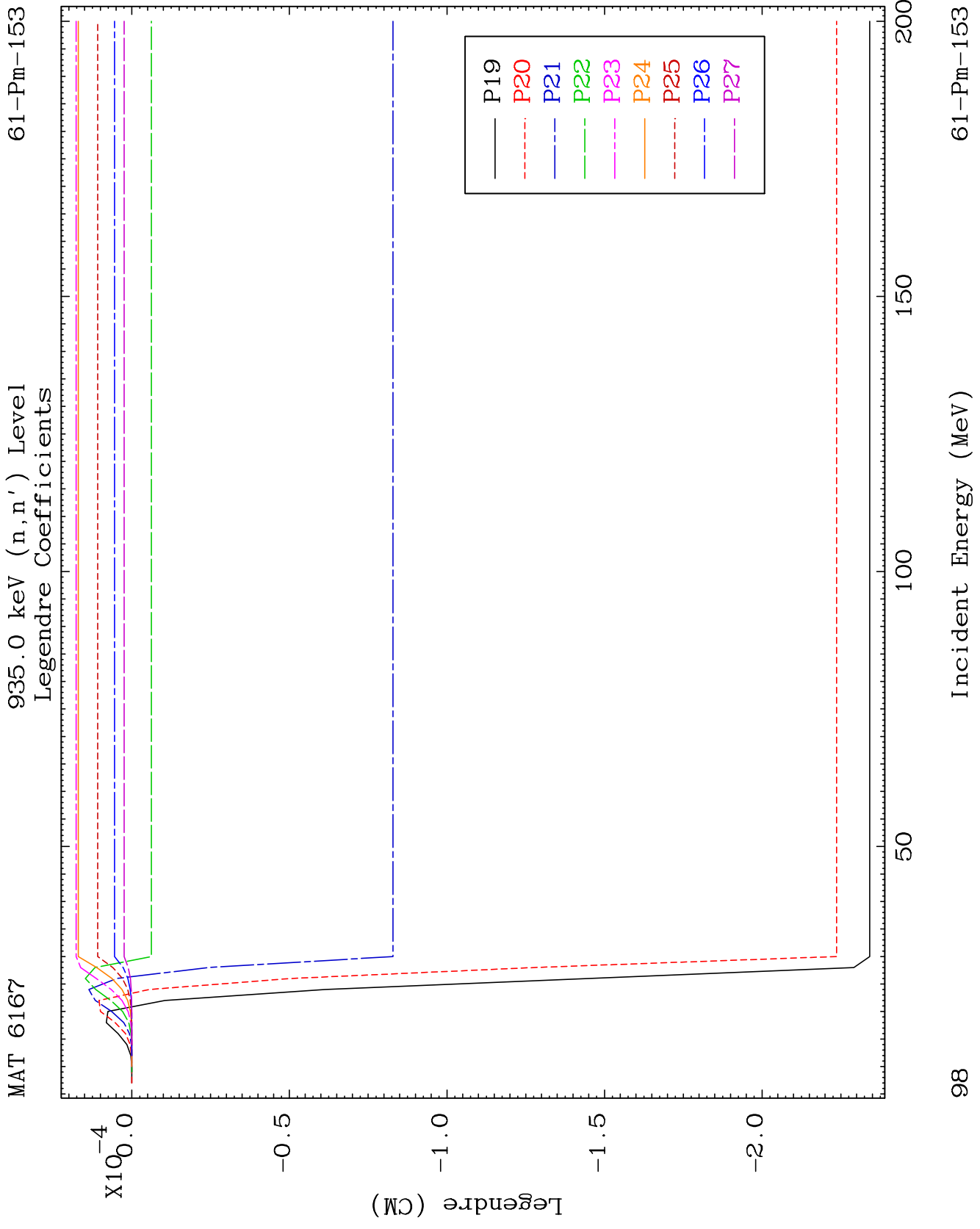


96

Incident Energy (MeV)

61-Pm-153

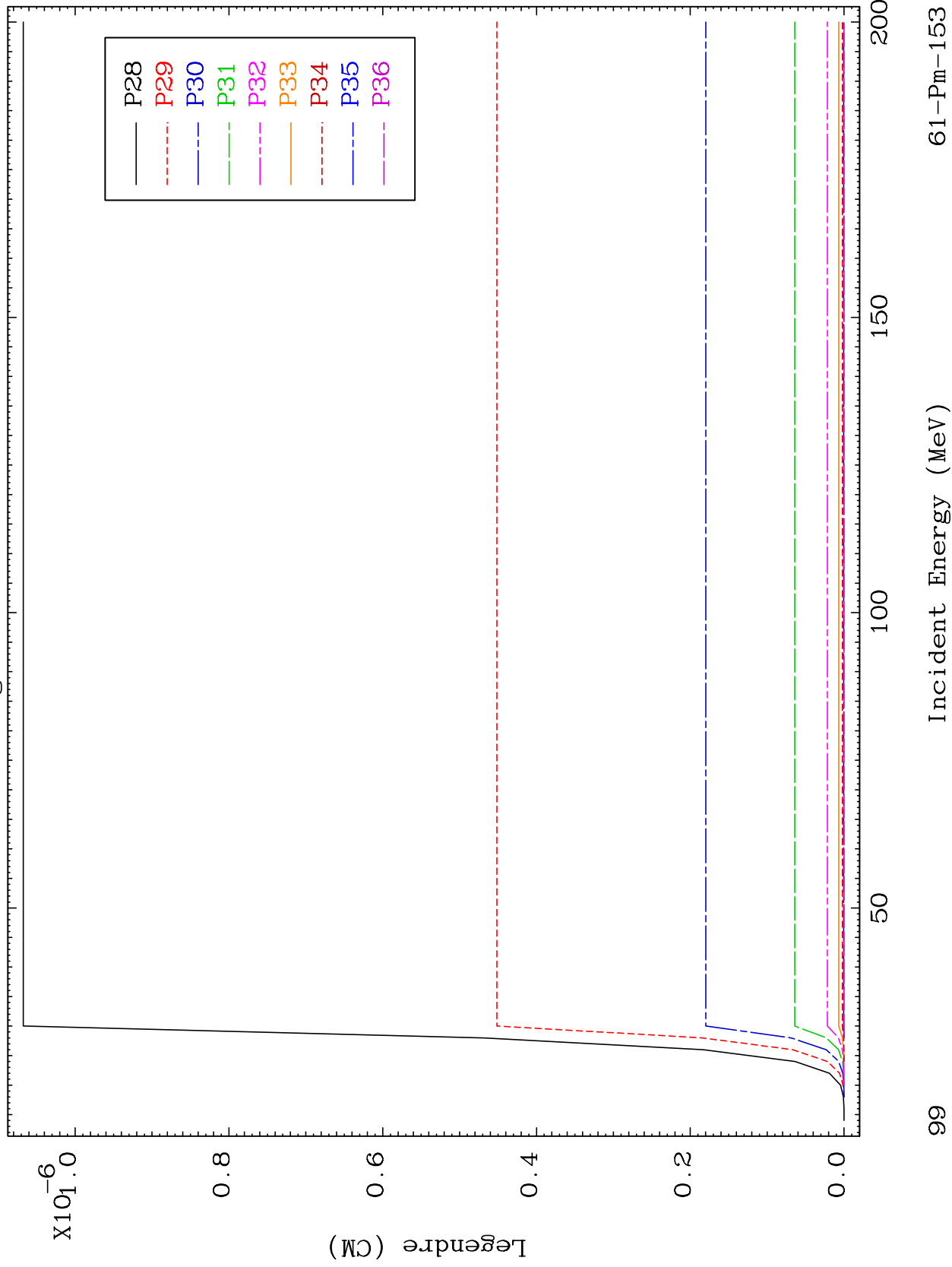




MAT 6167

935.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153



99

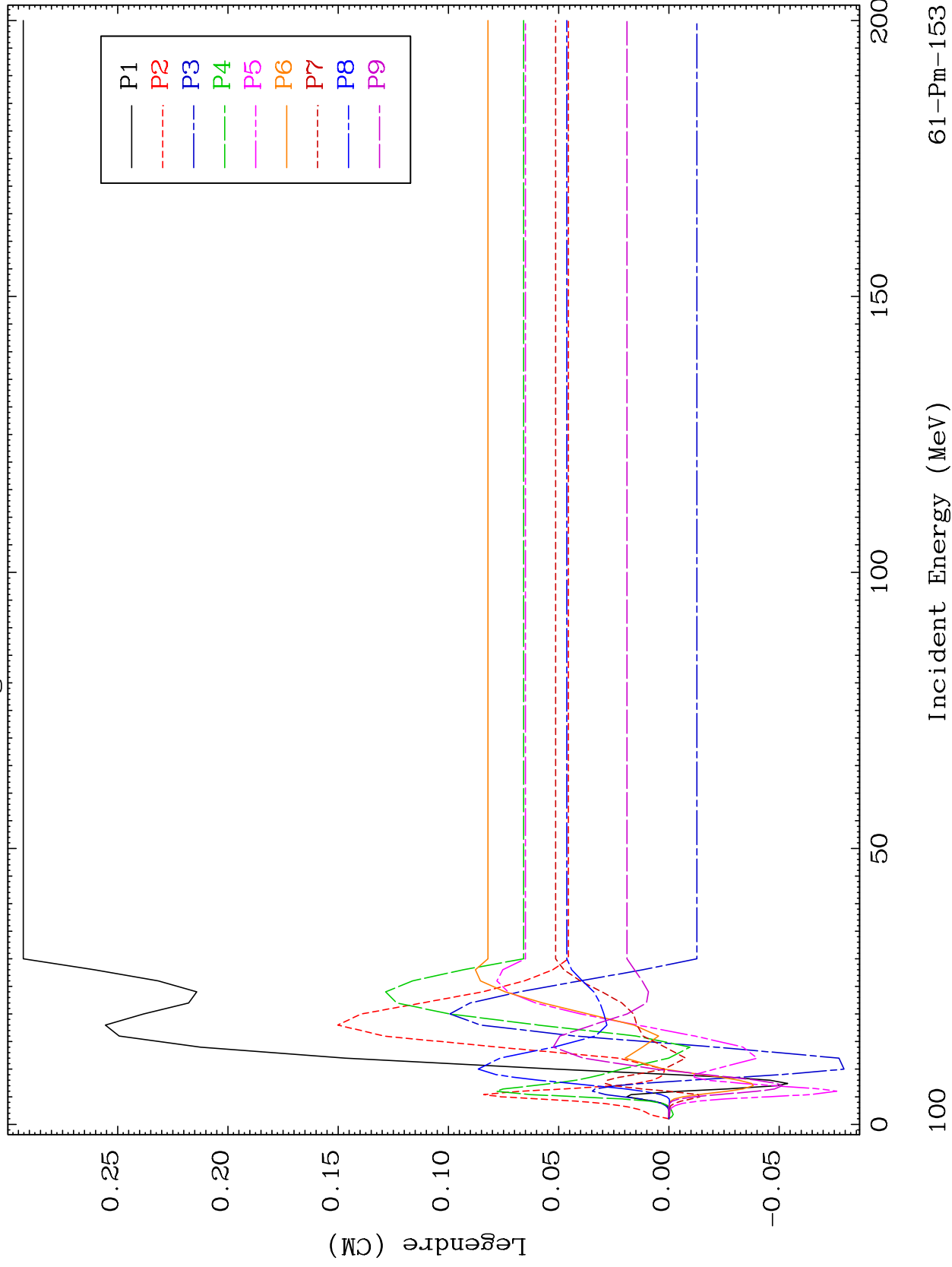
Incident Energy (MeV)

61-Pm-153

MAT 6167

960.0 keV (n,n') Level
Legendre Coefficients

61-Pm-153

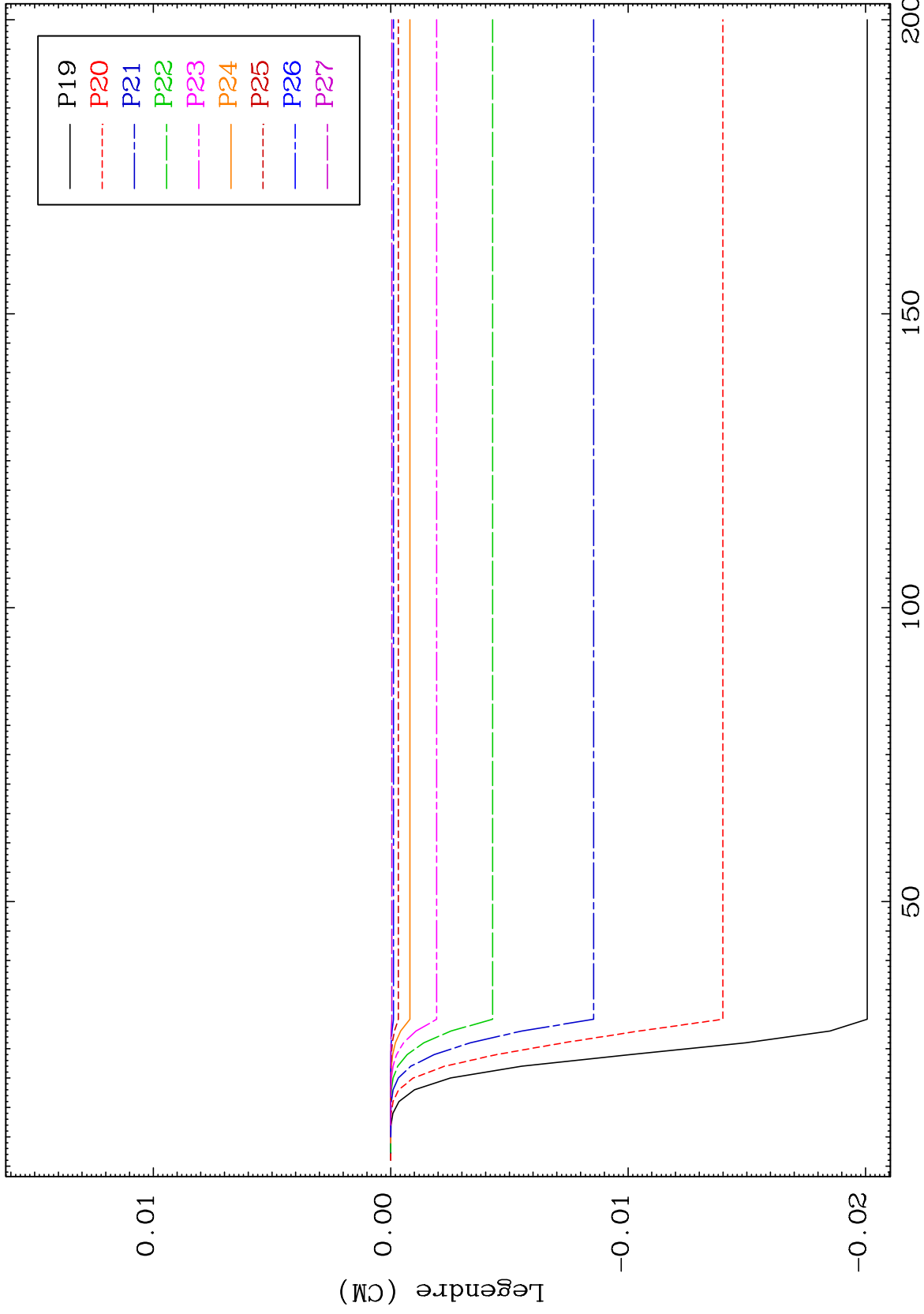


61-Pm-153

MAT 6167

960.0 keV (n,n') Level
Legendre Coefficients

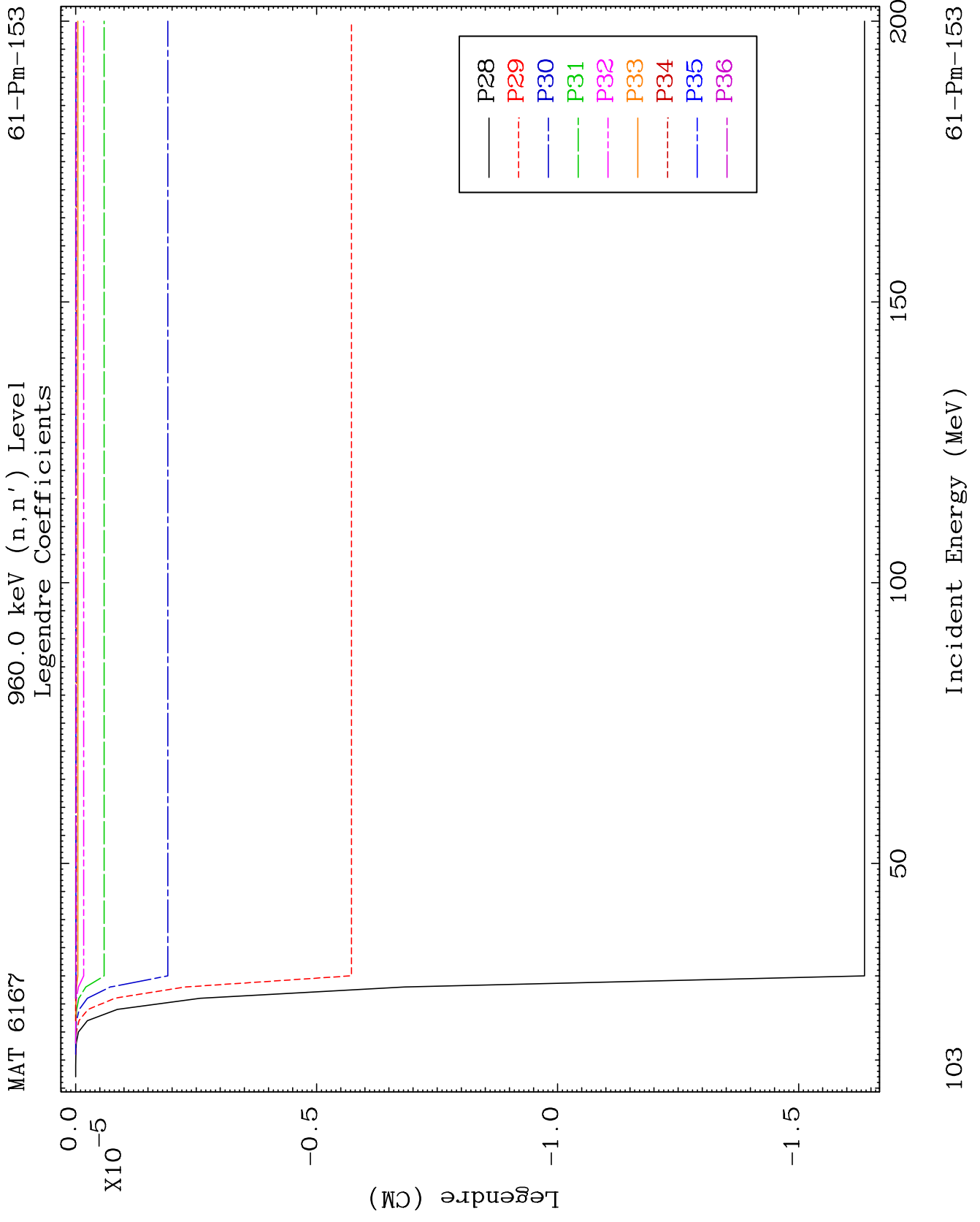
61-Pm-153



102

Incident Energy (MeV)

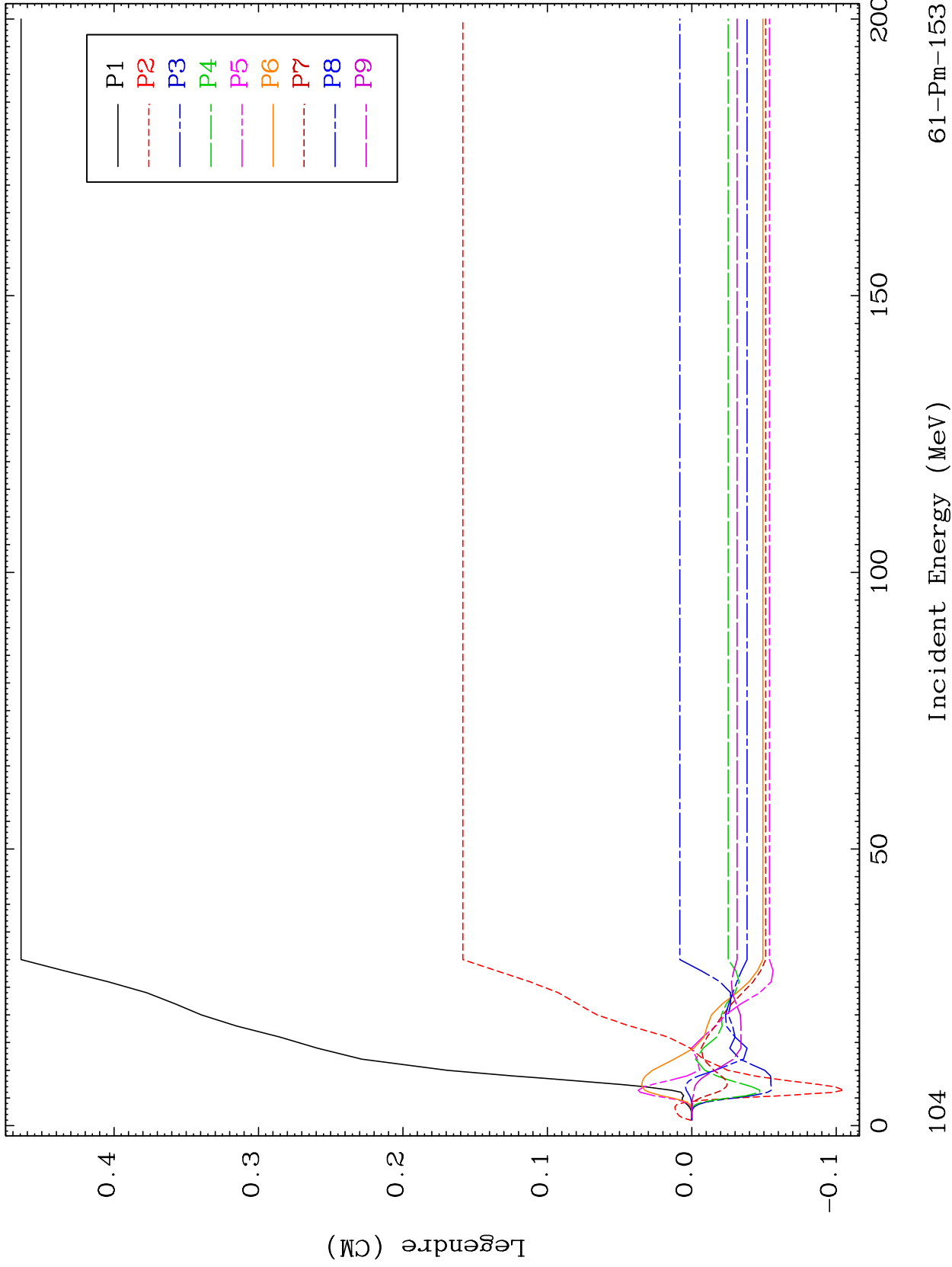
61-Pm-153



MAT 6167

967.0 keV (n,n') Level
Legendre Coefficients

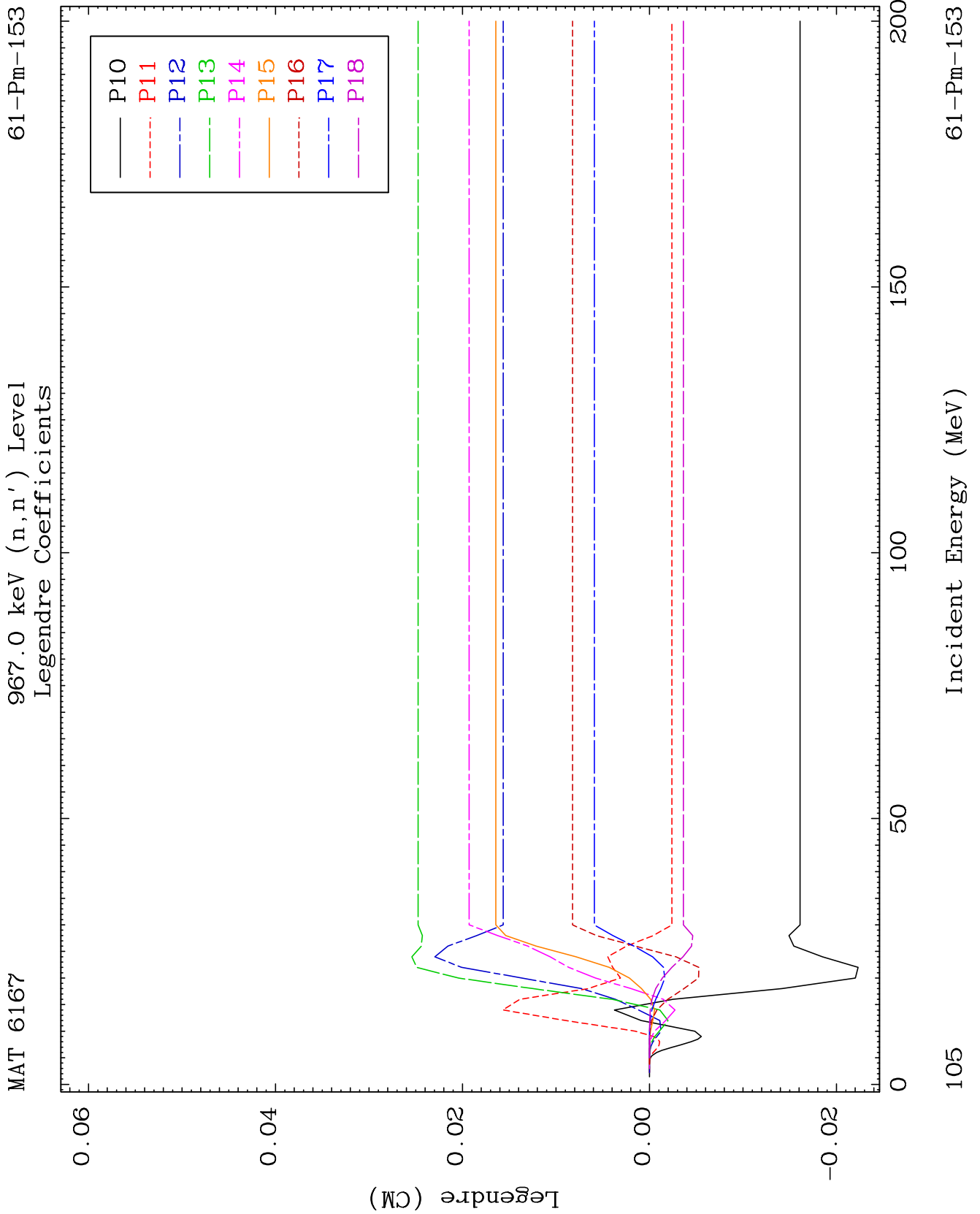
61-Pm-153



104

Incident Energy (MeV)

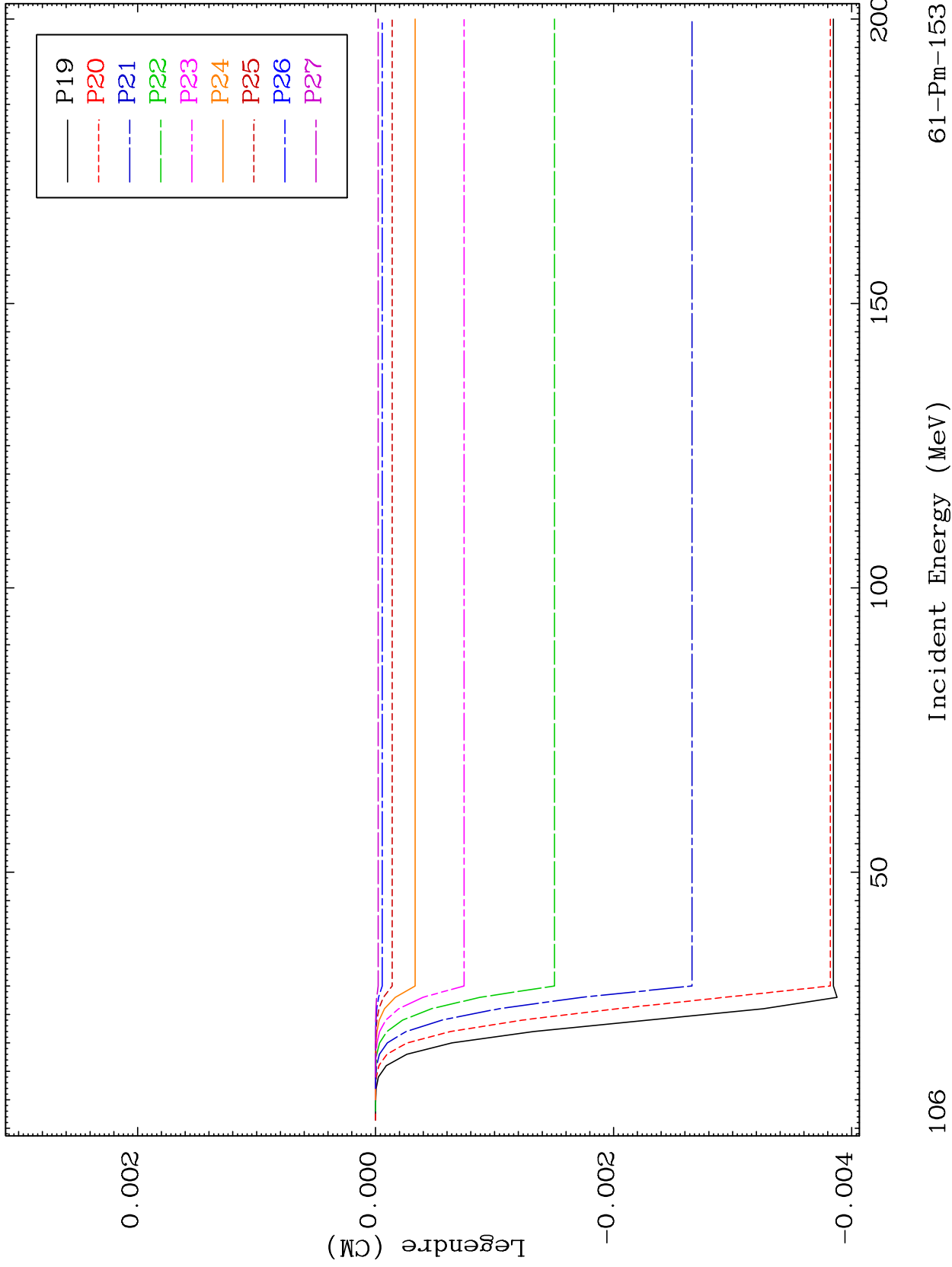
61-Pm-153



MAT 6167

967.0 keV (n,n') Level
Legendre Coefficients

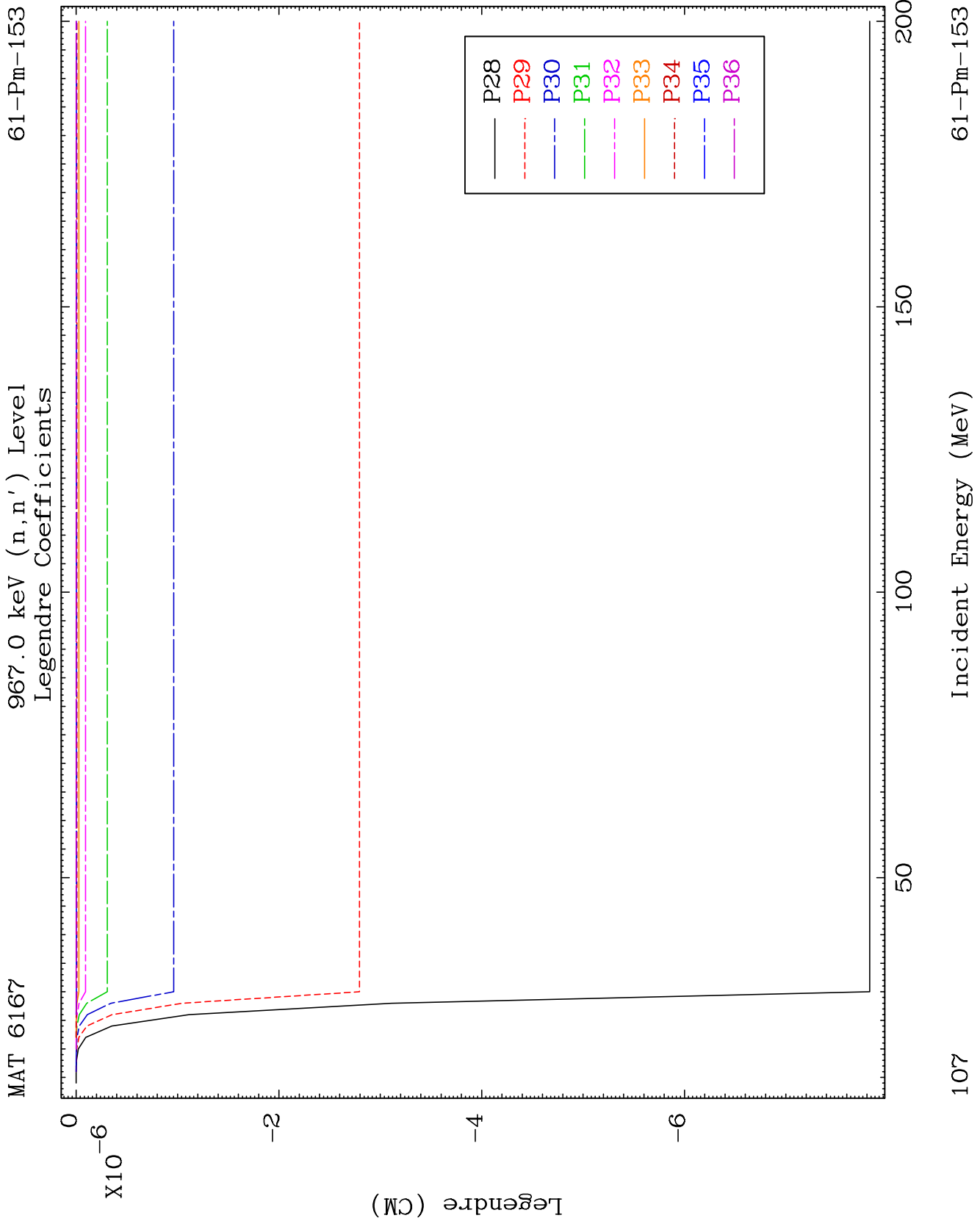
61-Pm-153



106

Incident Energy (MeV)

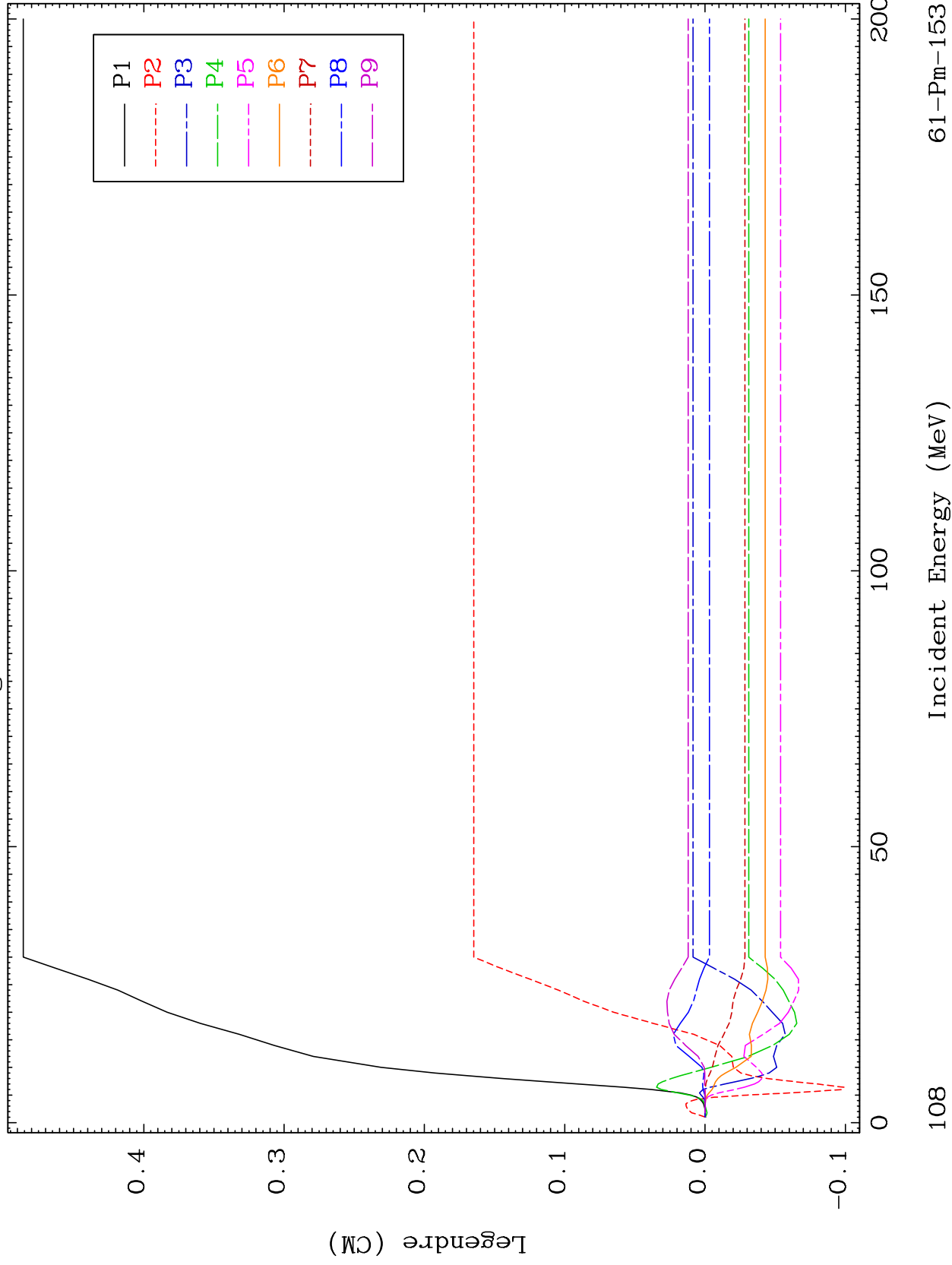
61-Pm-153



MAT 6167

1.000 MeV (n,n') Level
Legendre Coefficients

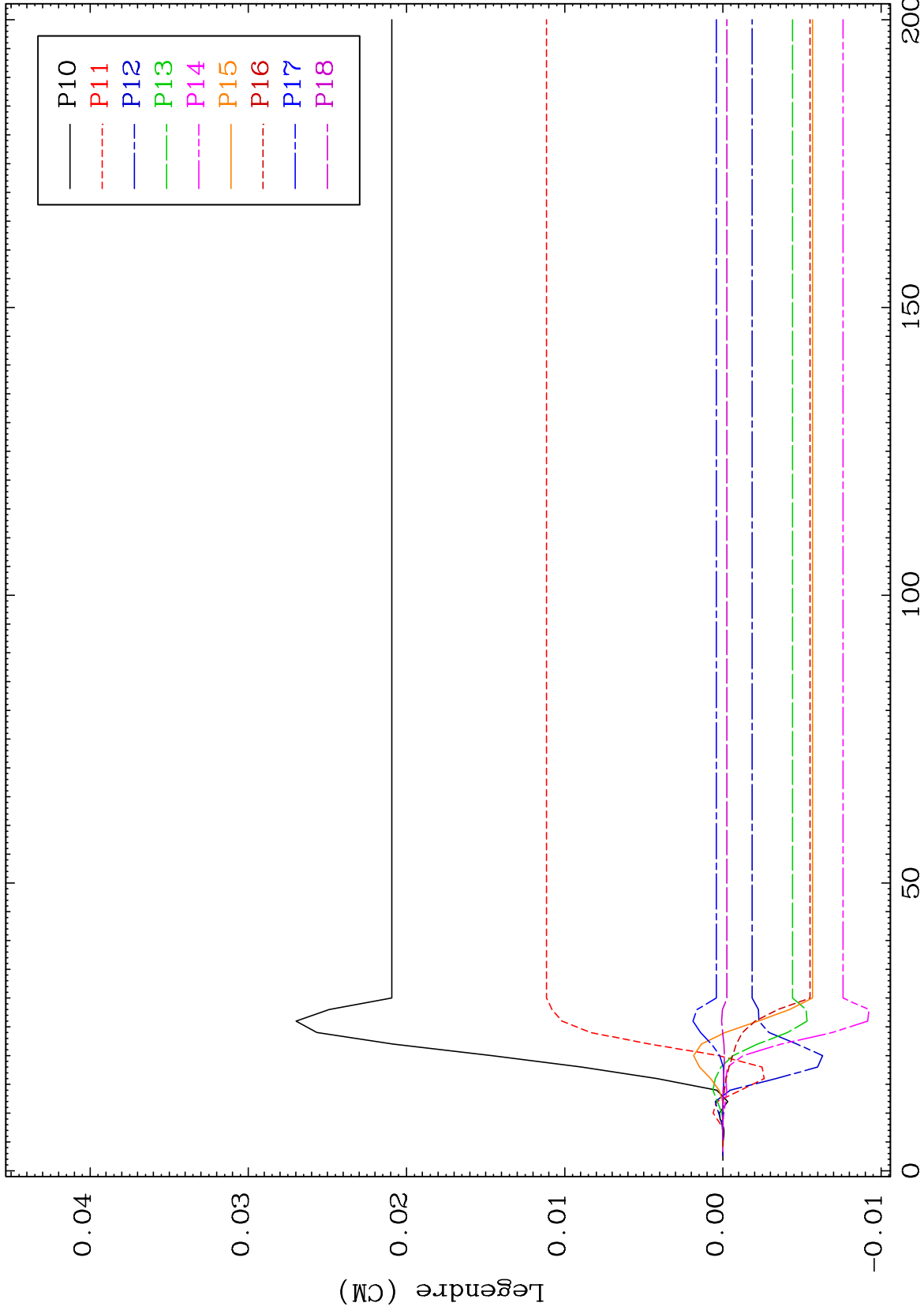
61-Pm-153



61-Pm-153

Incident Energy (MeV)

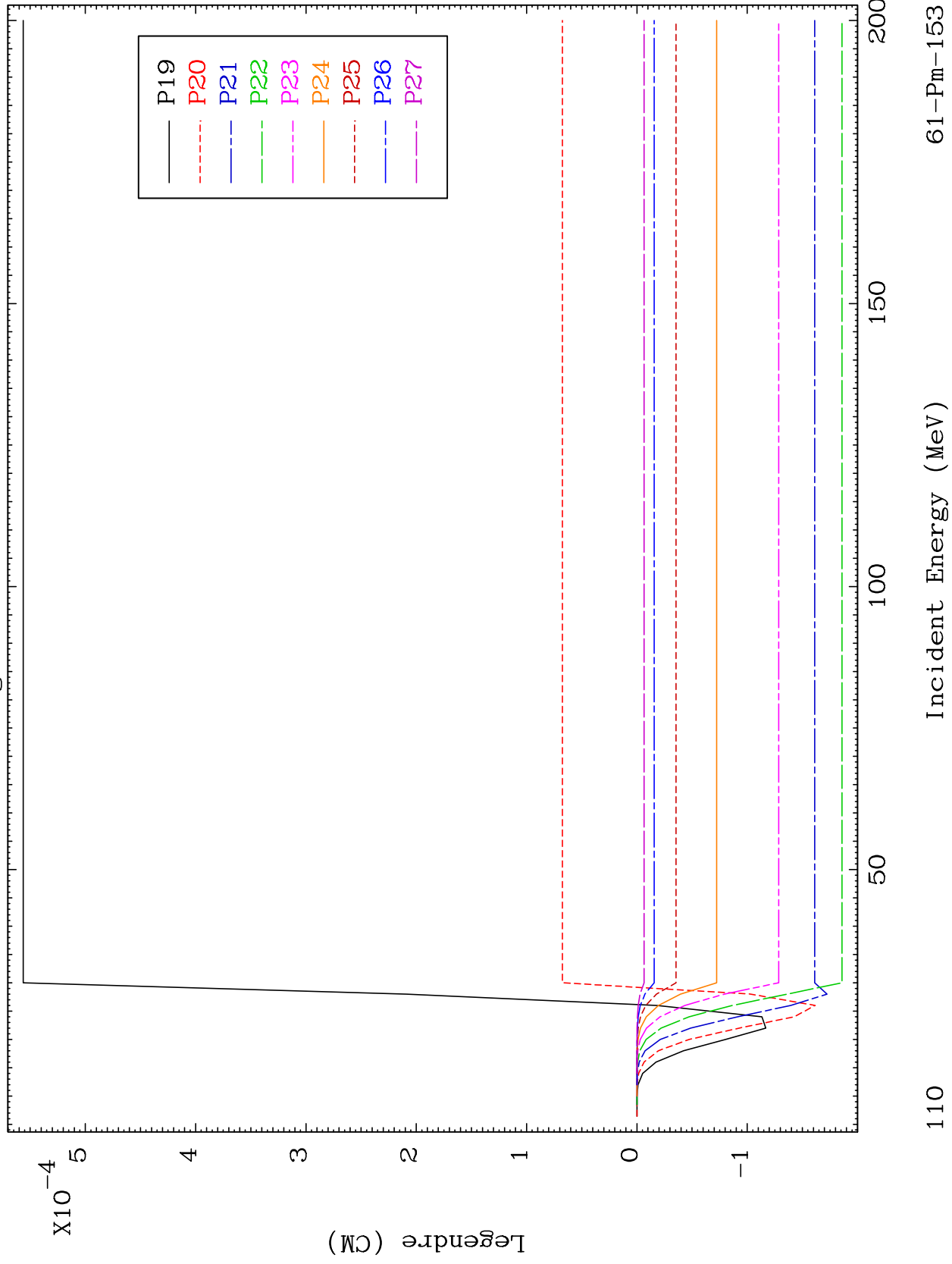
108



MAT 6167

1.000 MeV (n,n') Level
Legendre Coefficients

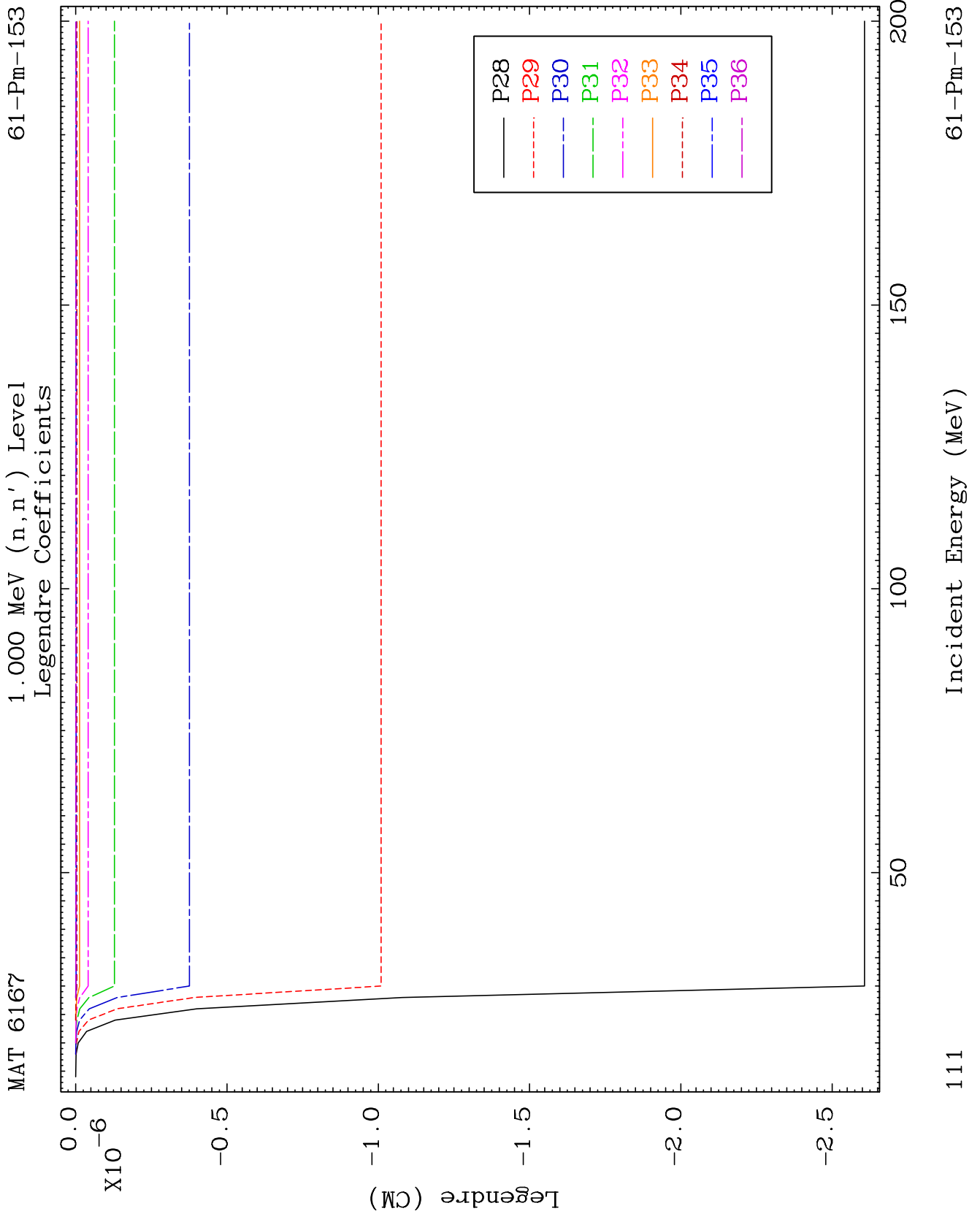
61-Pm-153



110

Incident Energy (MeV)

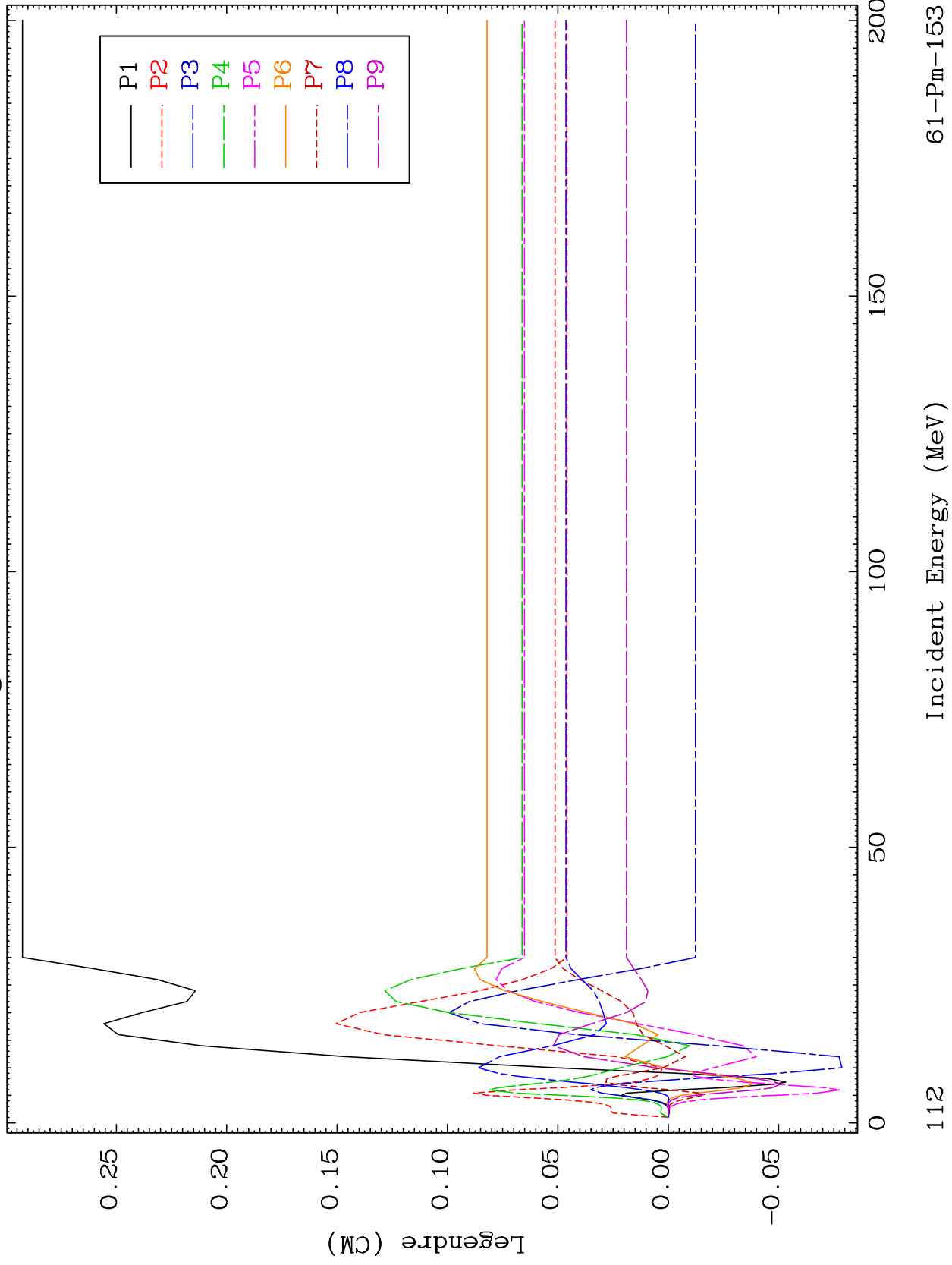
61-Pm-153



MAT 6167

1.014 MeV (n,n') Level
Legendre Coefficients

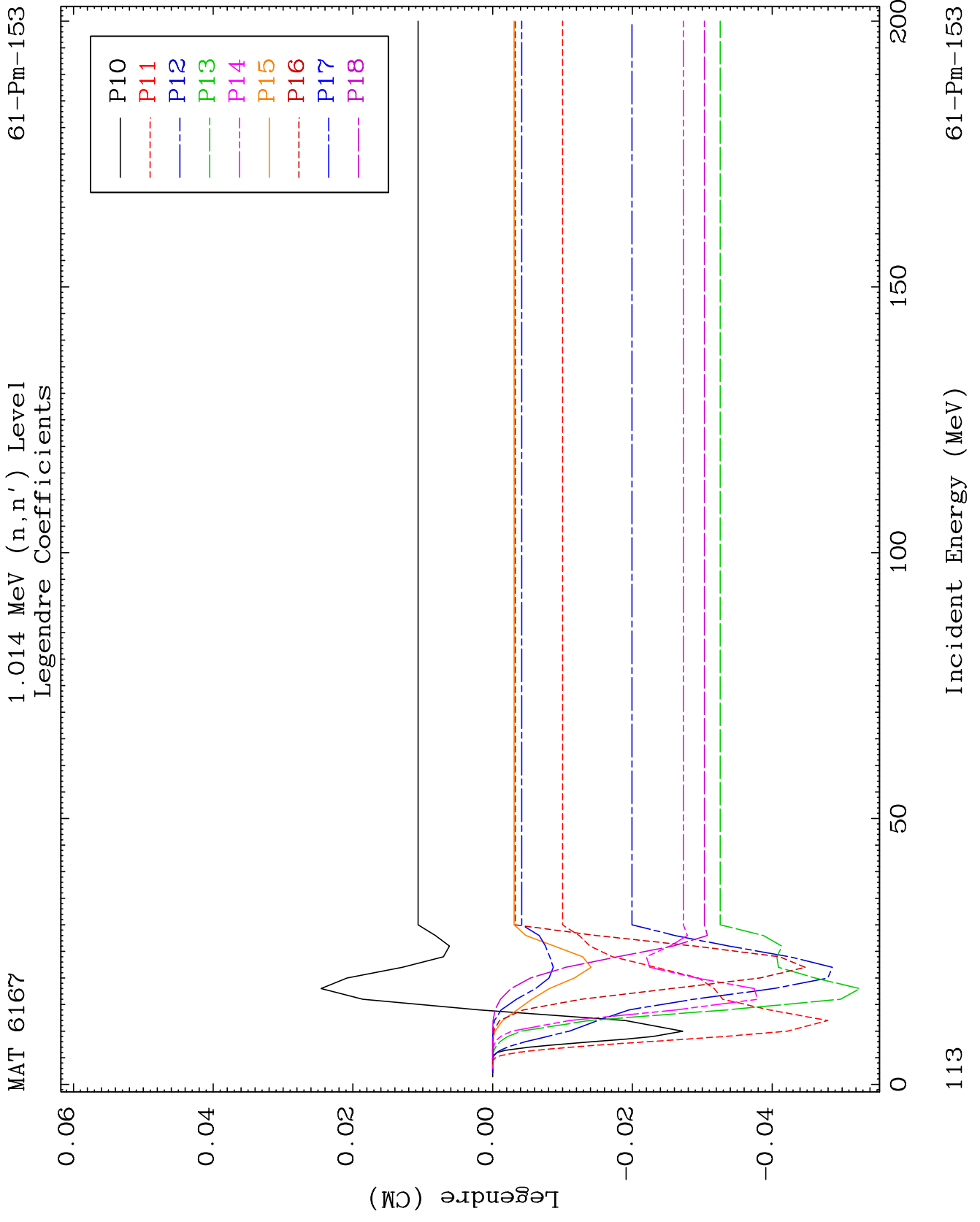
61-Pm-153



61-Pm-153

Incident Energy (MeV)

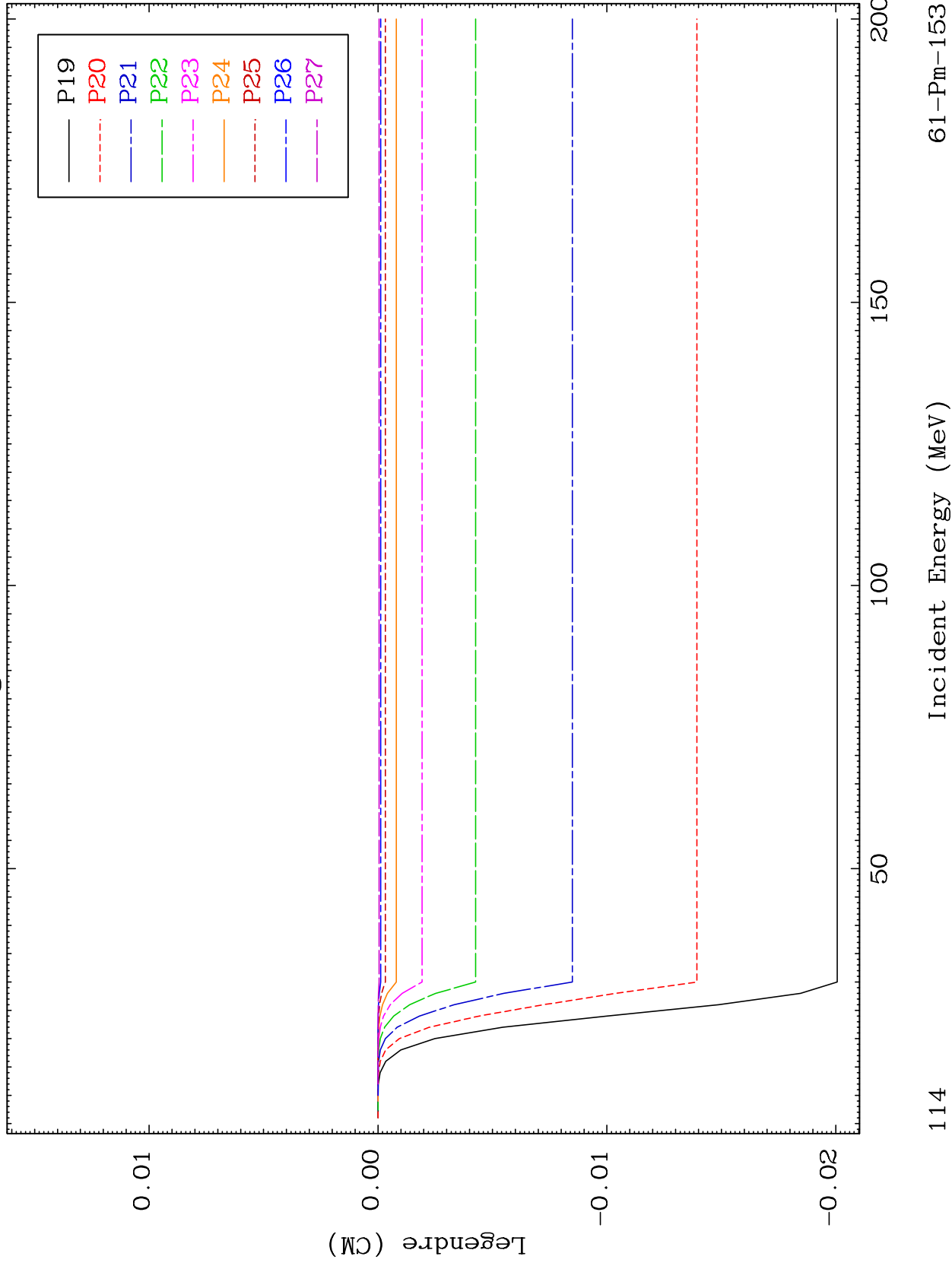
112



MAT 6167

1.014 MeV (n,n') Level
Legendre Coefficients

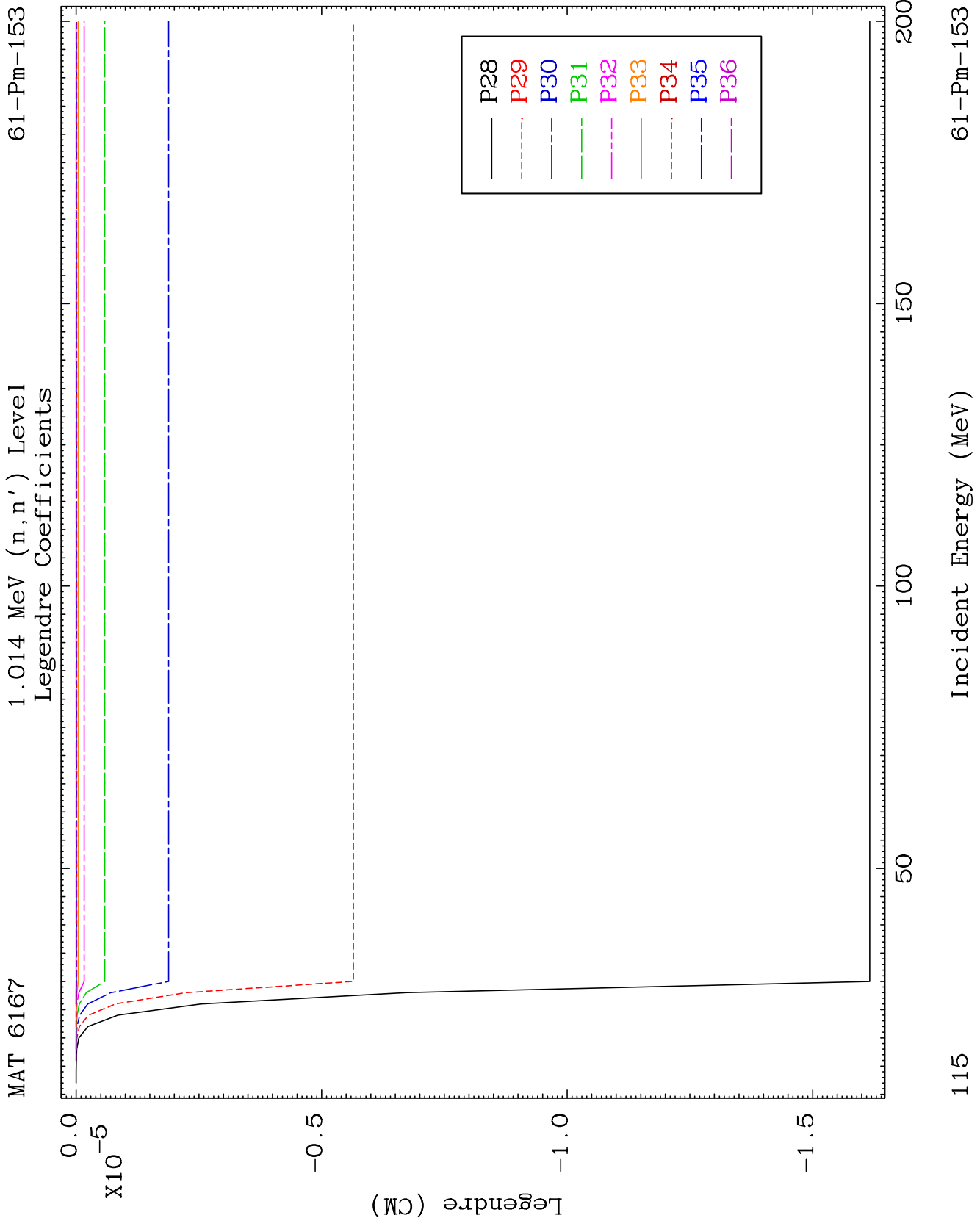
61-Pm-153

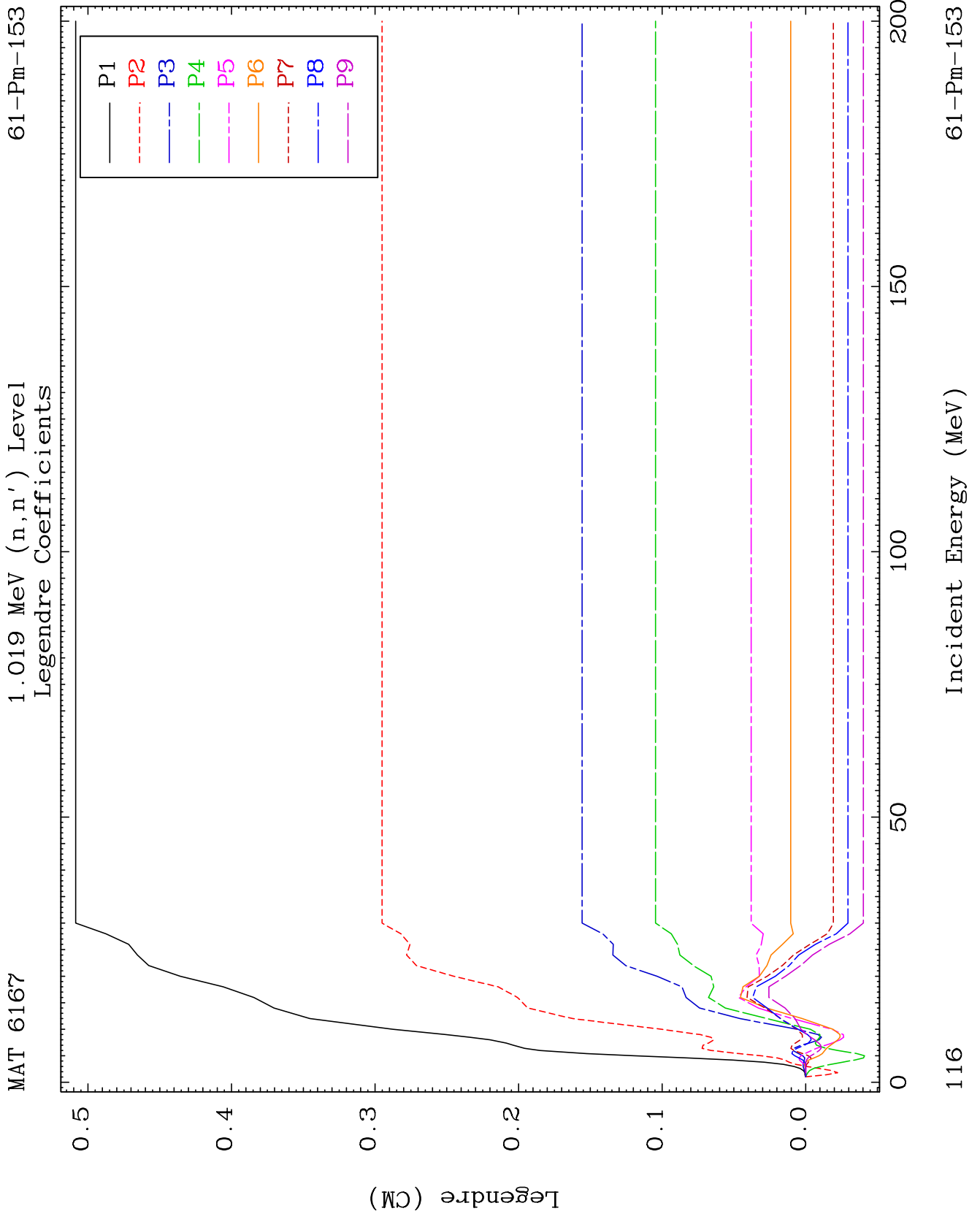


114

Incident Energy (MeV)

61-Pm-153

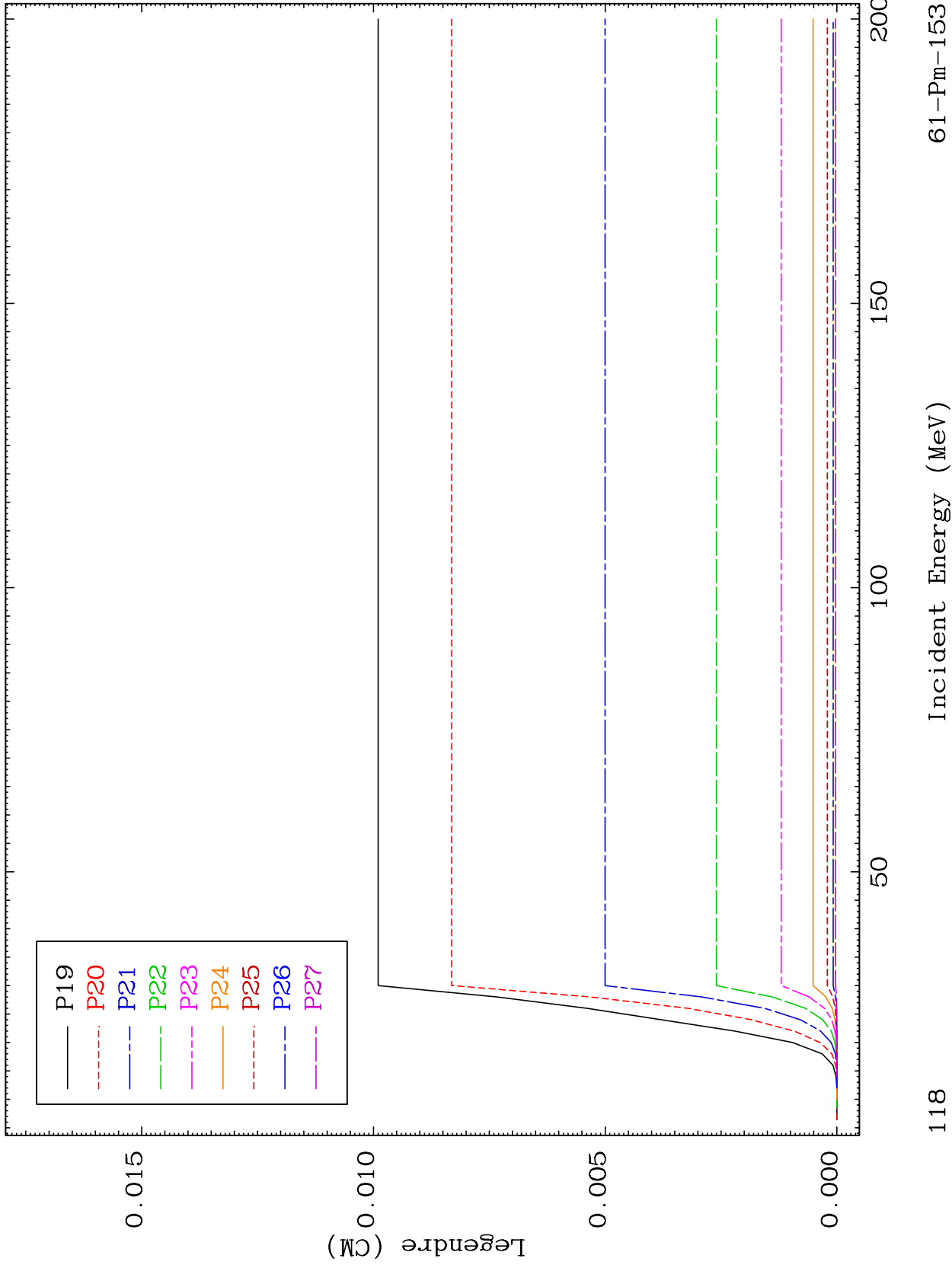




MAT 61677

1.019 MeV (n,n') Level
Legendre Coefficients

61-Pm-153



118

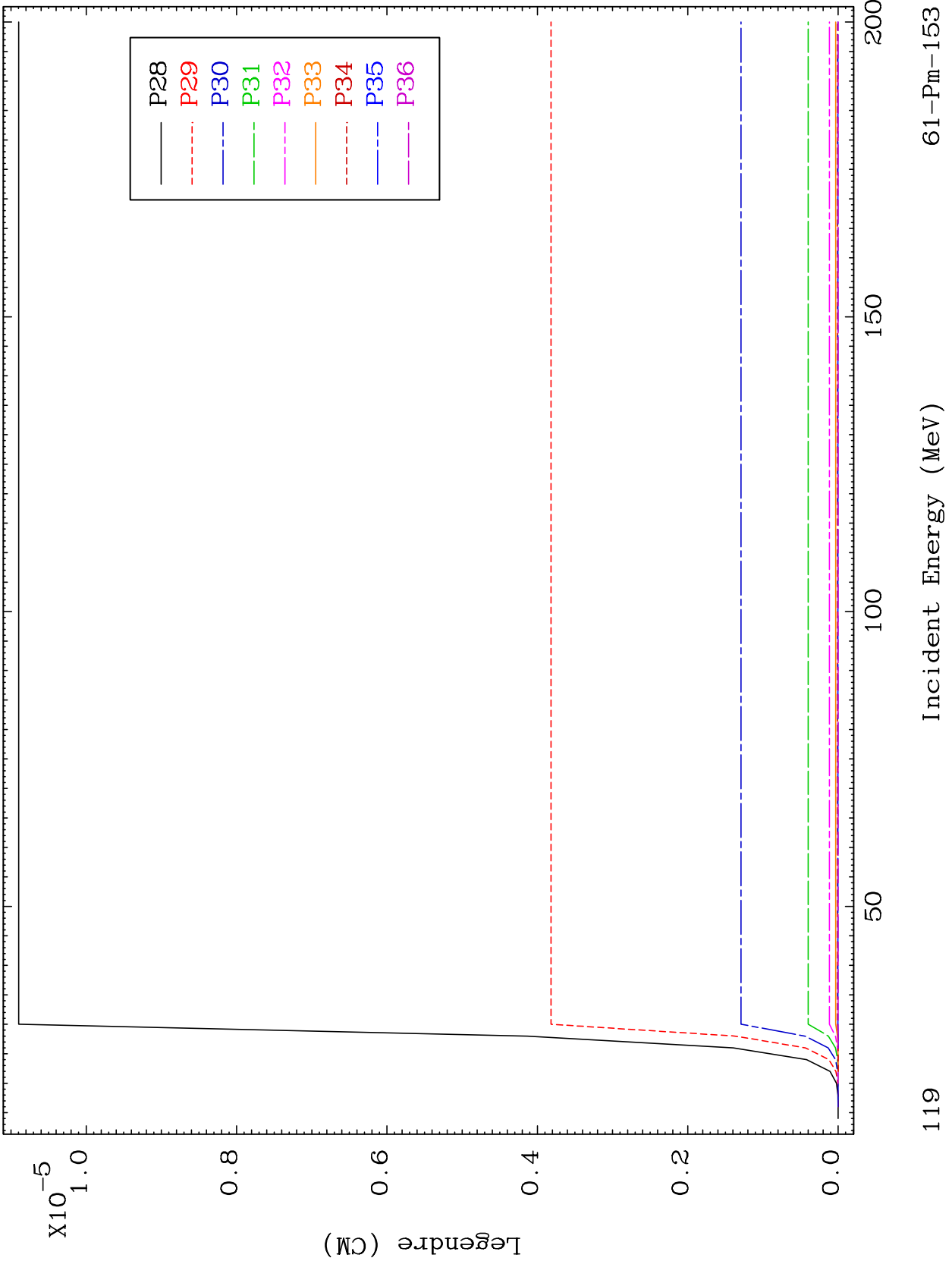
Incident Energy (MeV)

61-Pm-153

MAT 6167

1.019 MeV (n, n') Level
Legendre Coefficients

61-Pm-153



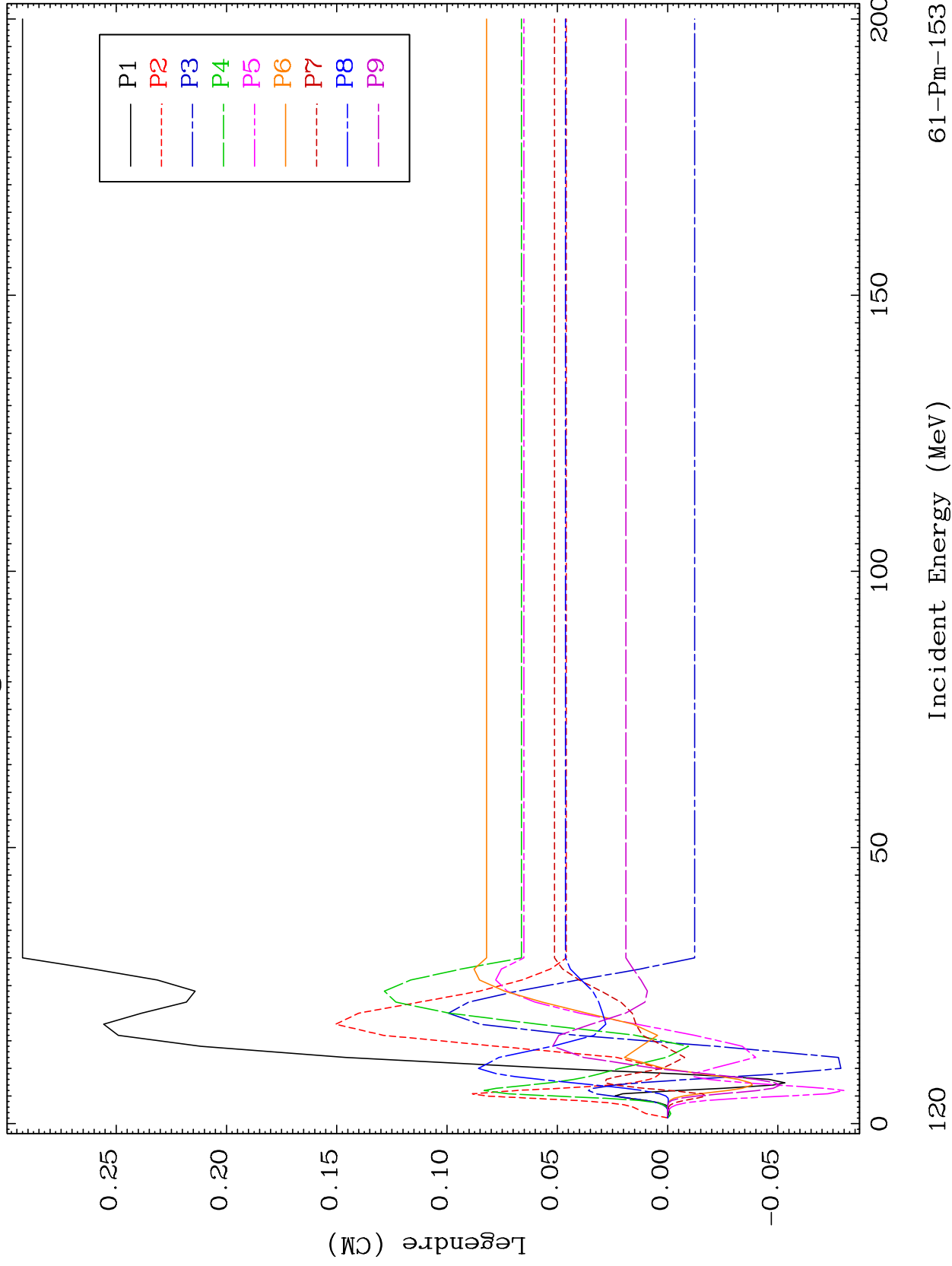
119

61-Pm-153

MAT 6167

1.022 MeV (n,n') Level
Legendre Coefficients

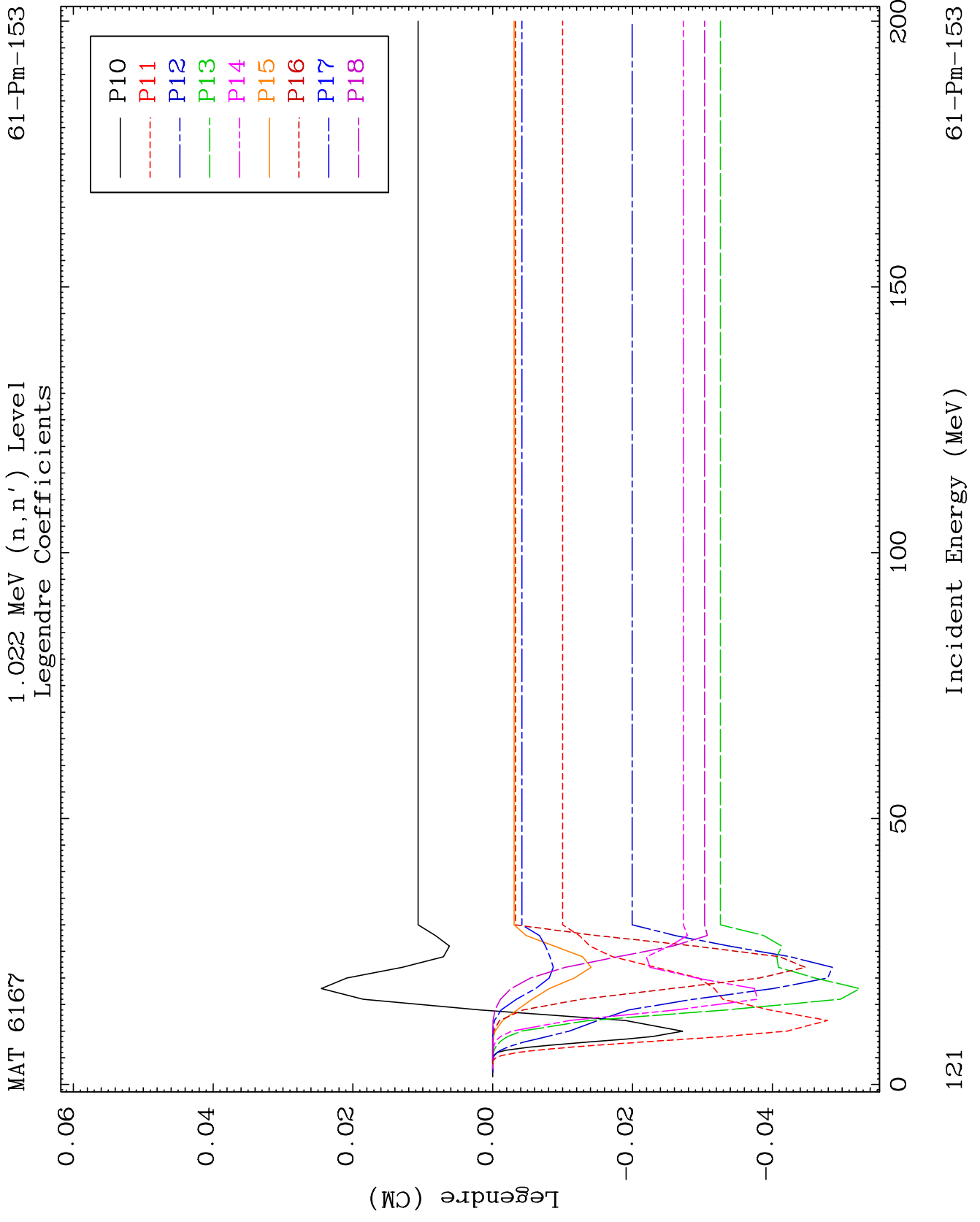
61-Pm-153



61-Pm-153

Incident Energy (MeV)

0



61-Pm-153

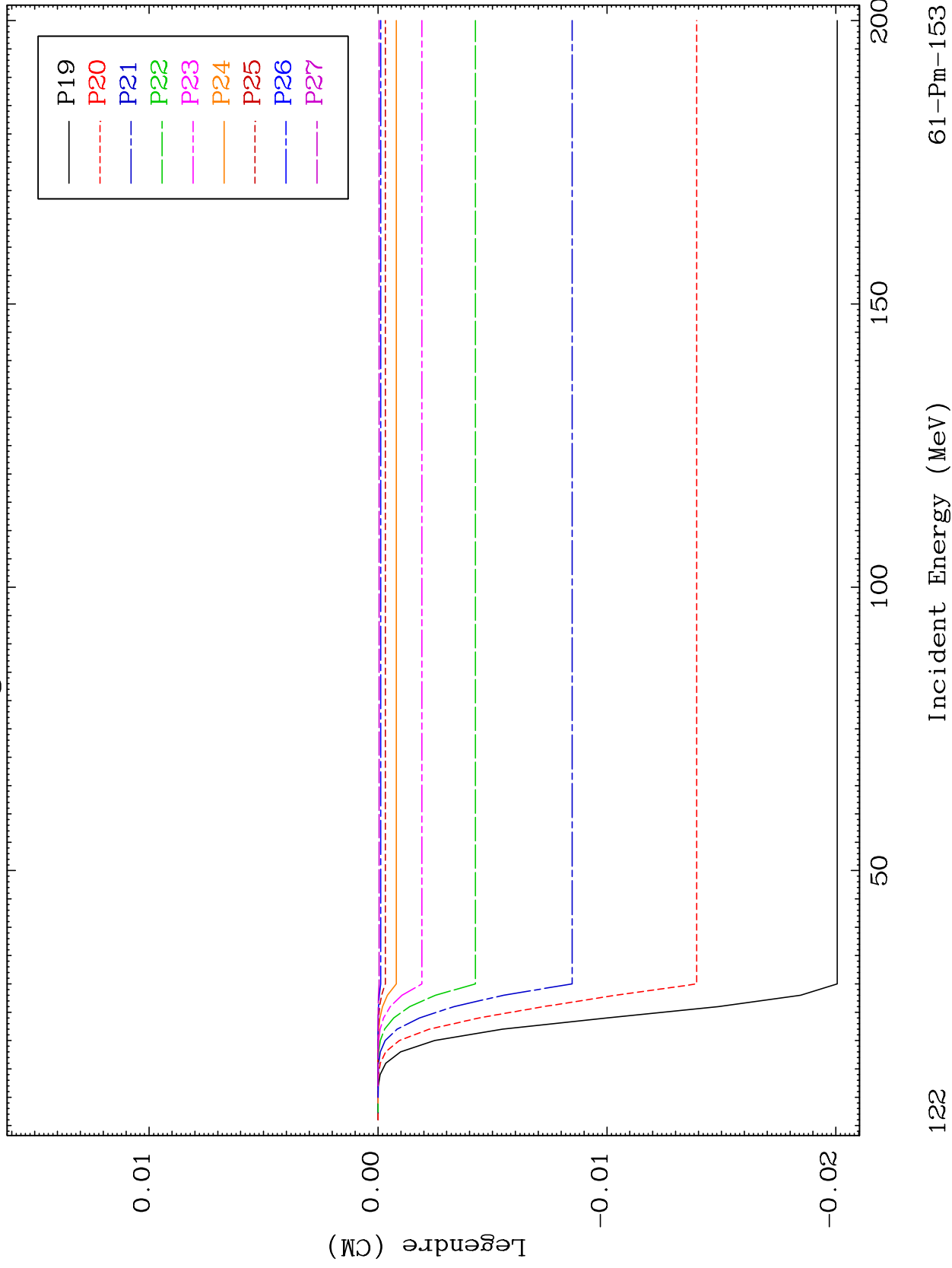
Incident Energy (MeV)

121

MAT 6167

1.022 MeV (n,n') Level
Legendre Coefficients

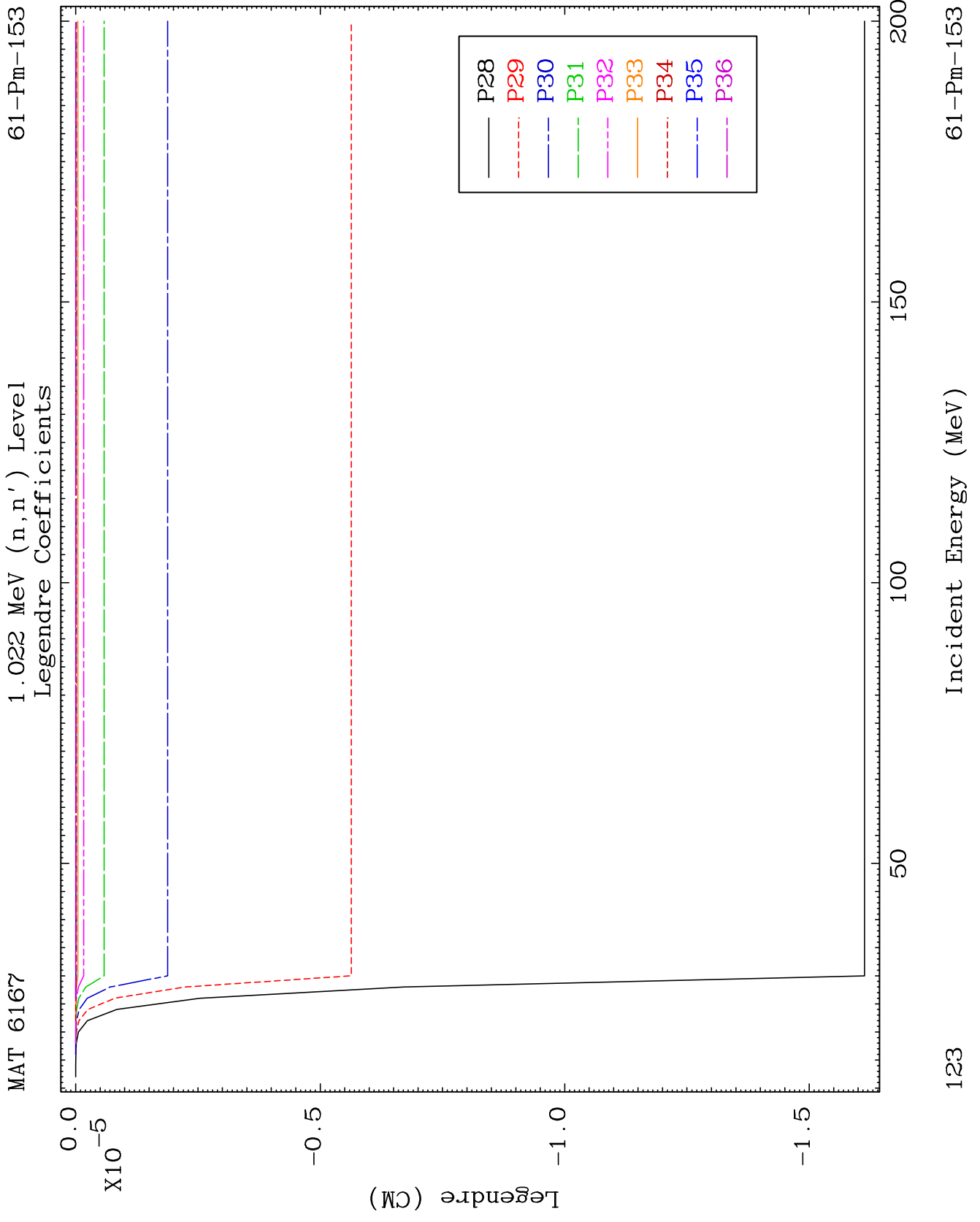
61-Pm-153



122

Incident Energy (MeV)

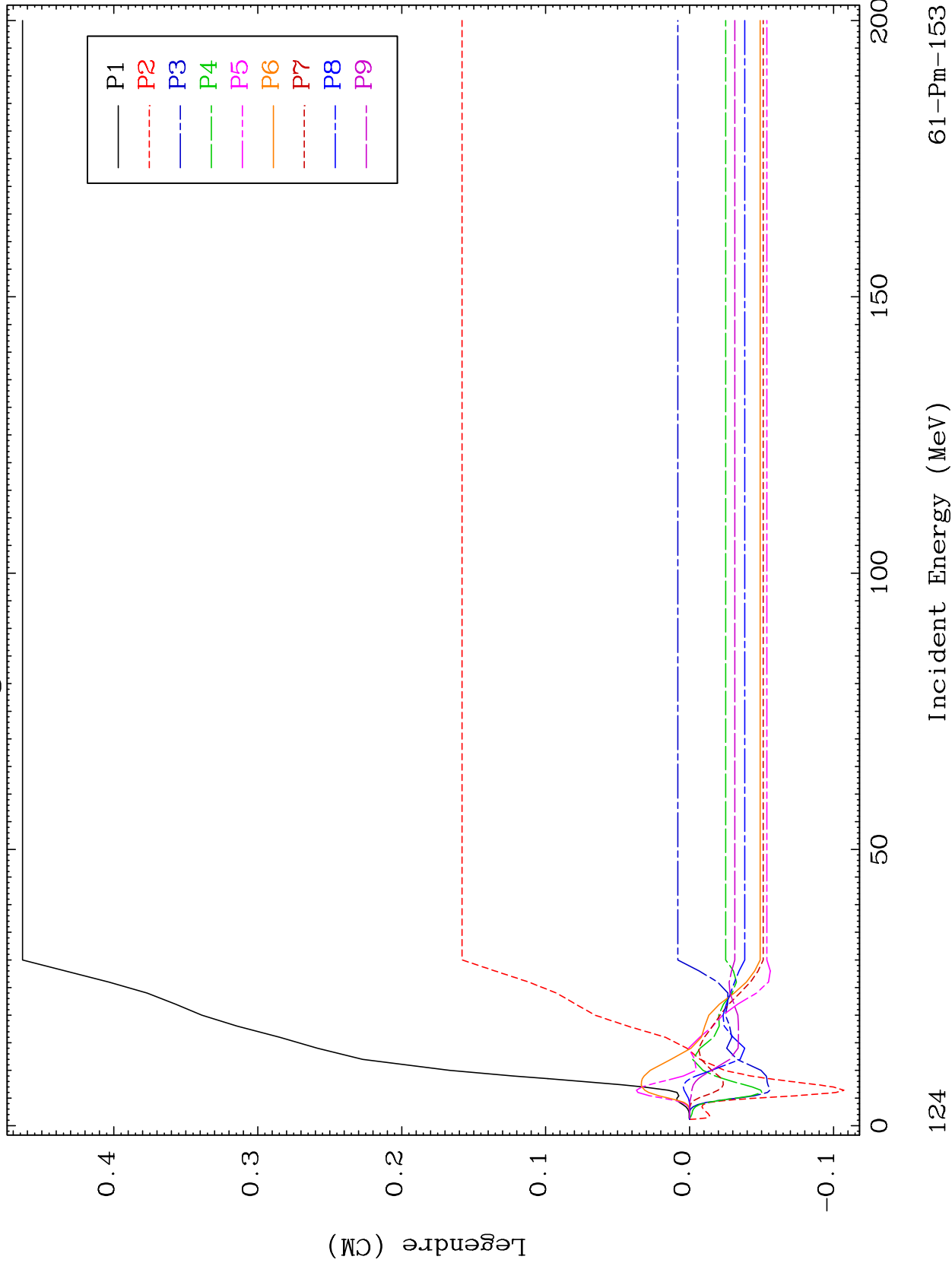
61-Pm-153



MAT 6167

1.113 MeV (n,n') Level
Legendre Coefficients

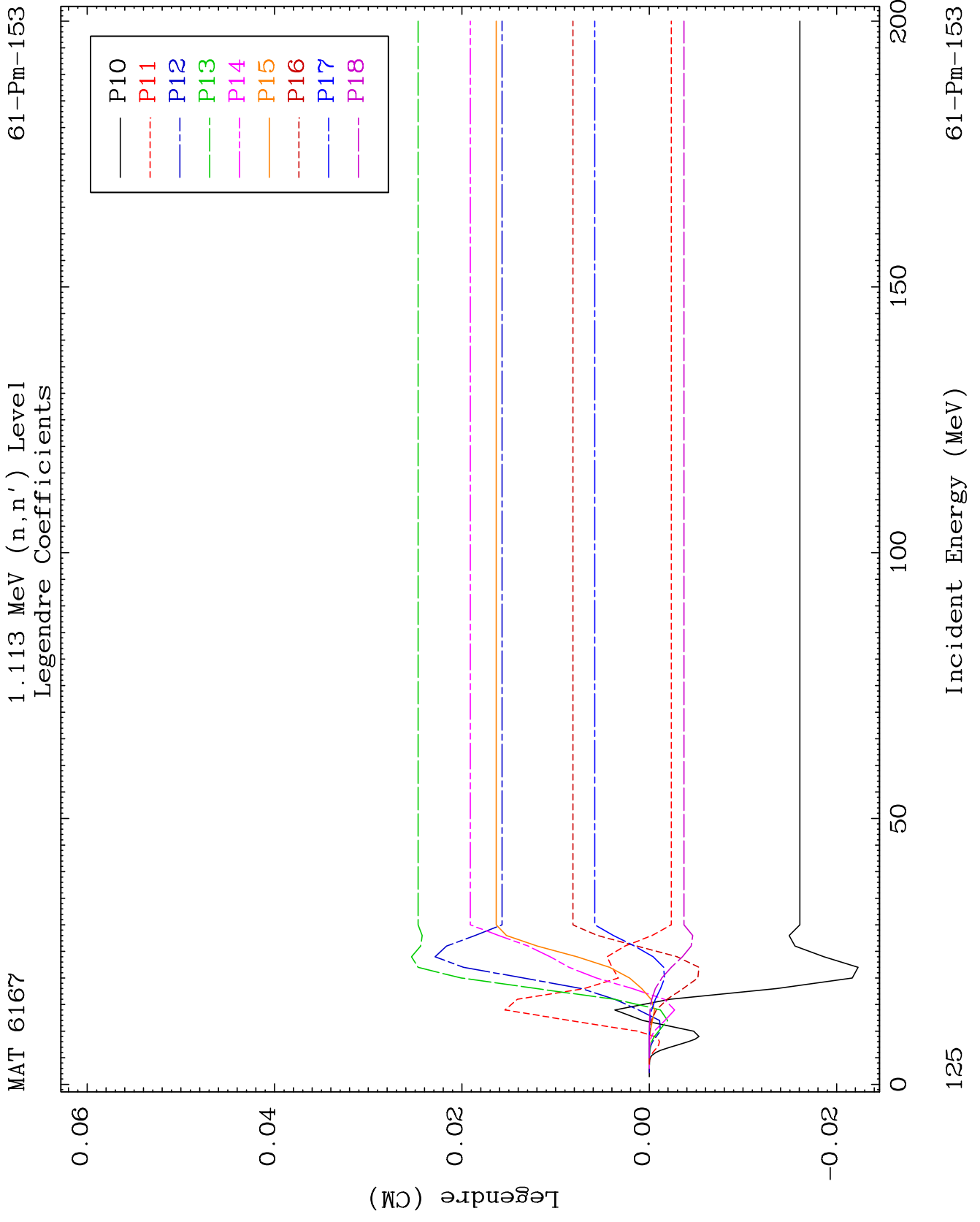
61-Pm-153

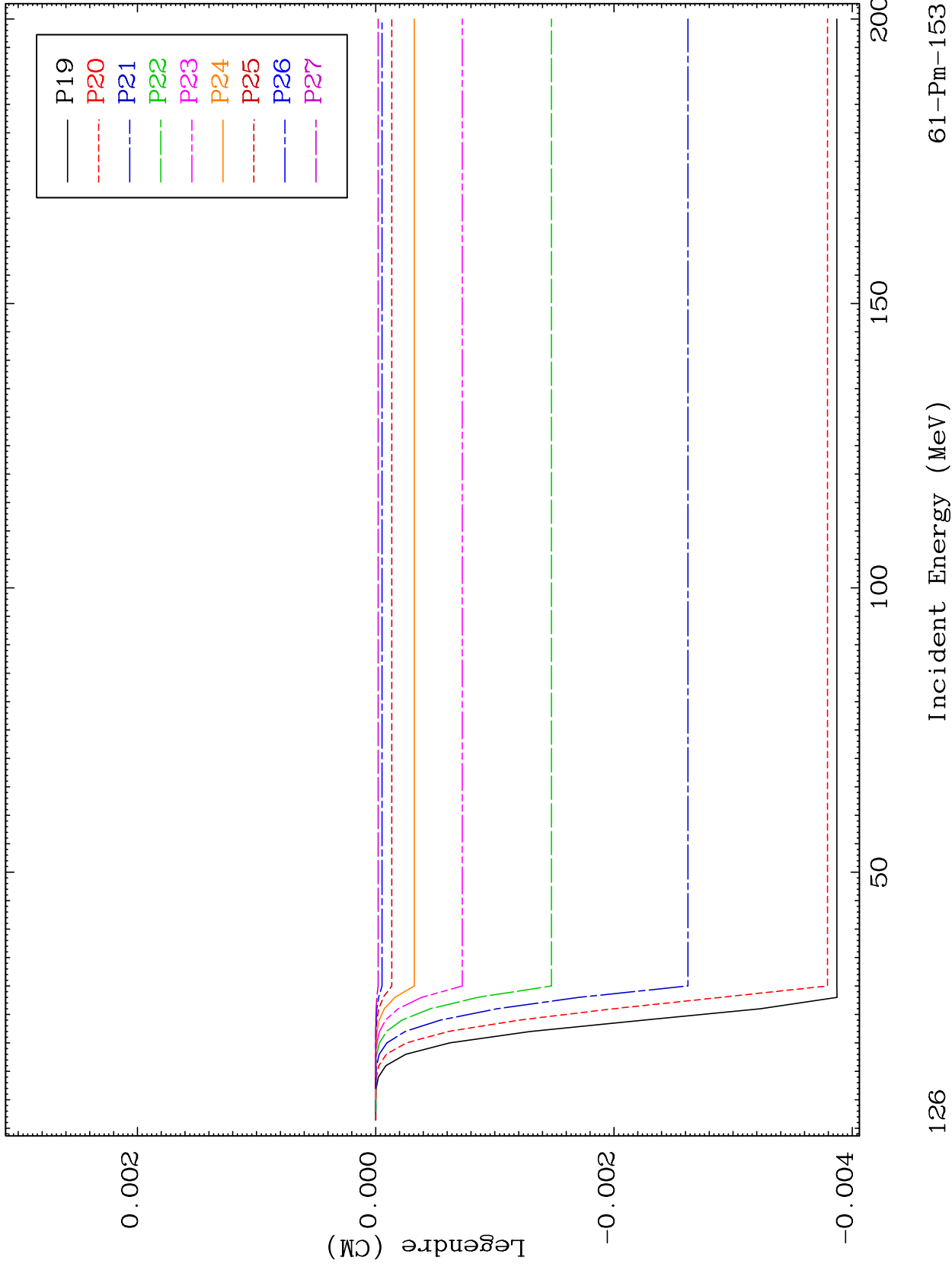


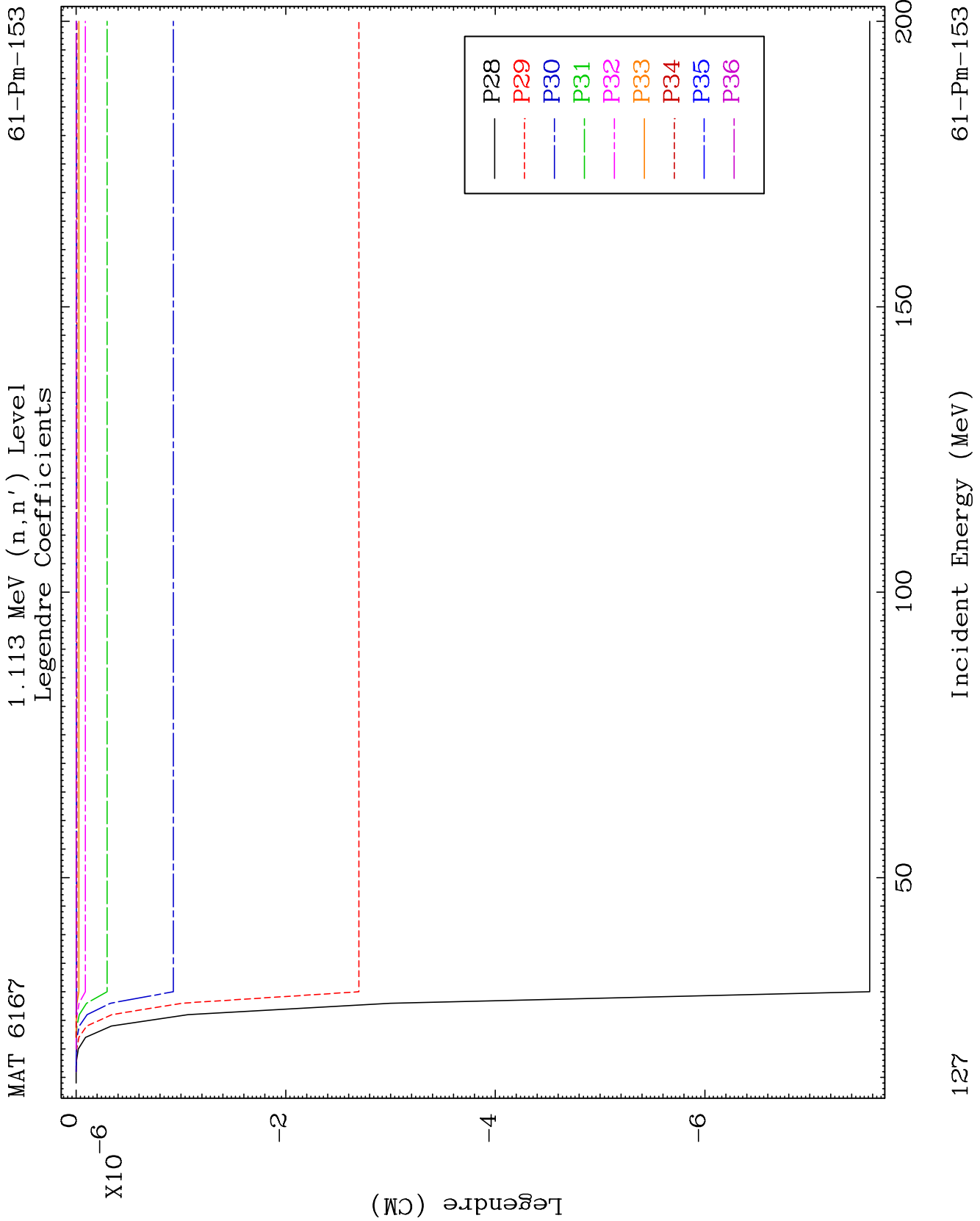
61-Pm-153

Incident Energy (MeV)

124



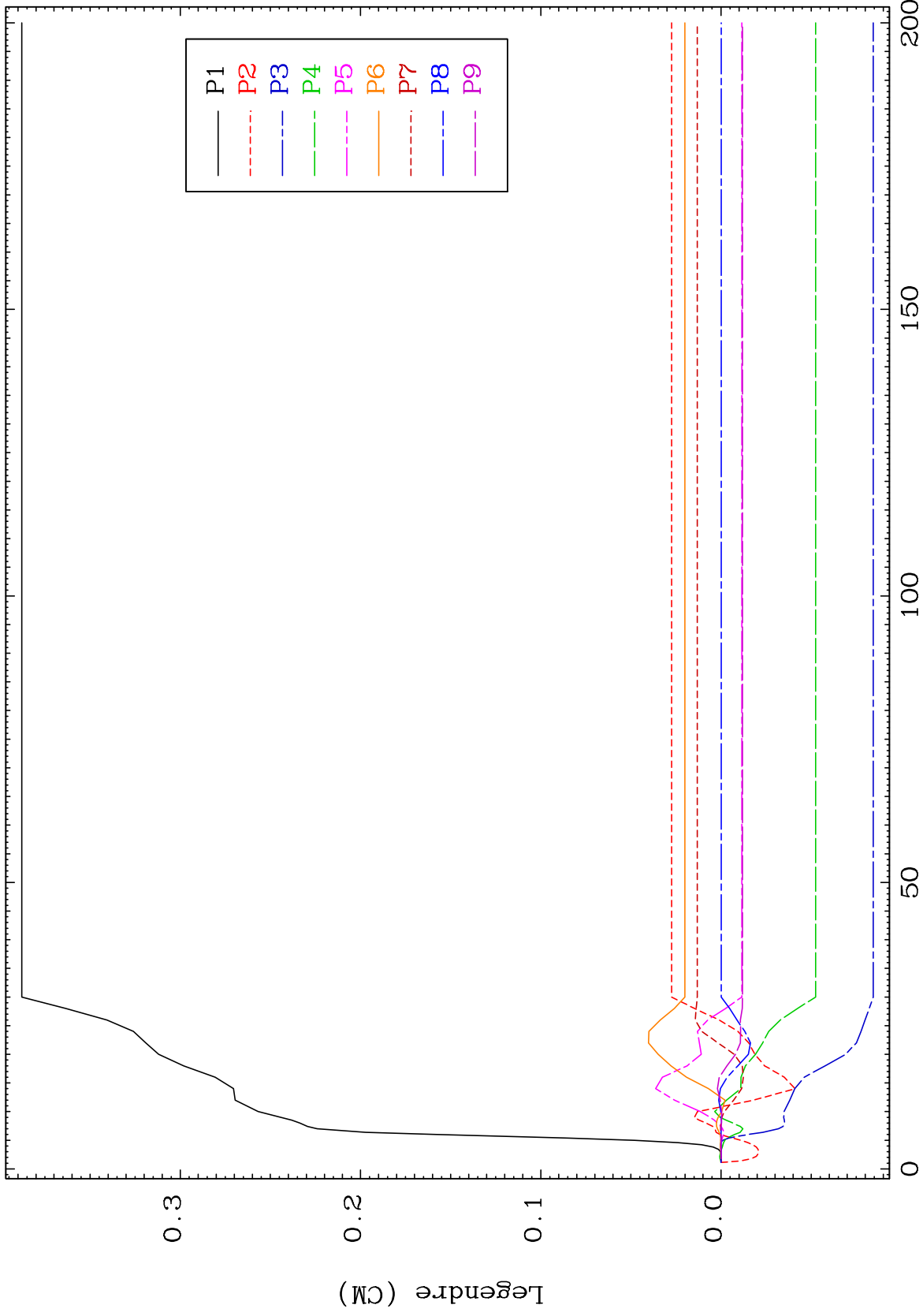




MAT 6167

1.115 MeV (n,n') Level
Legendre Coefficients

61-Pm-153



128

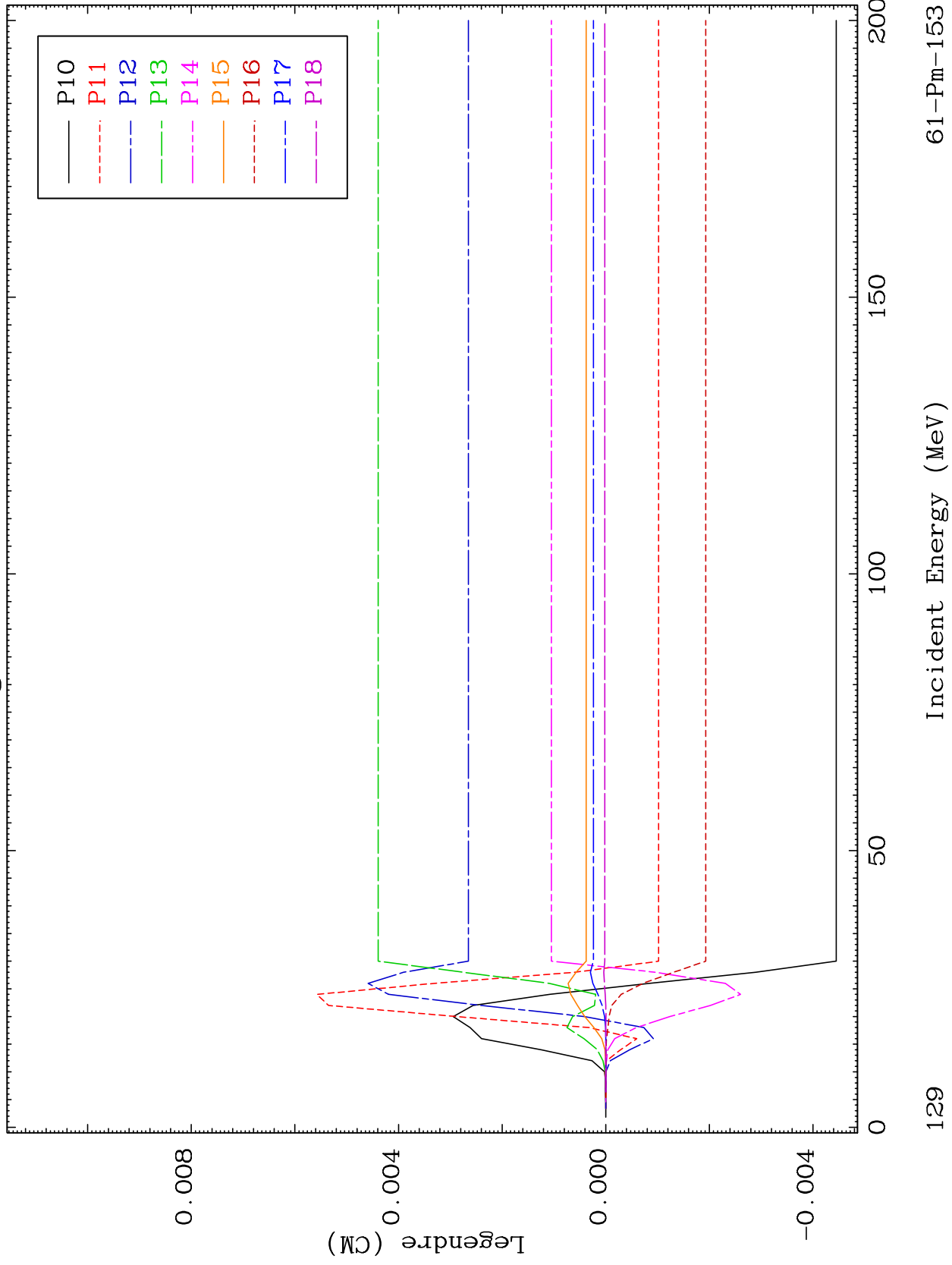
Incident Energy (MeV)

61-Pm-153

MAT 6167

1.115 MeV (n,n') Level
Legendre Coefficients

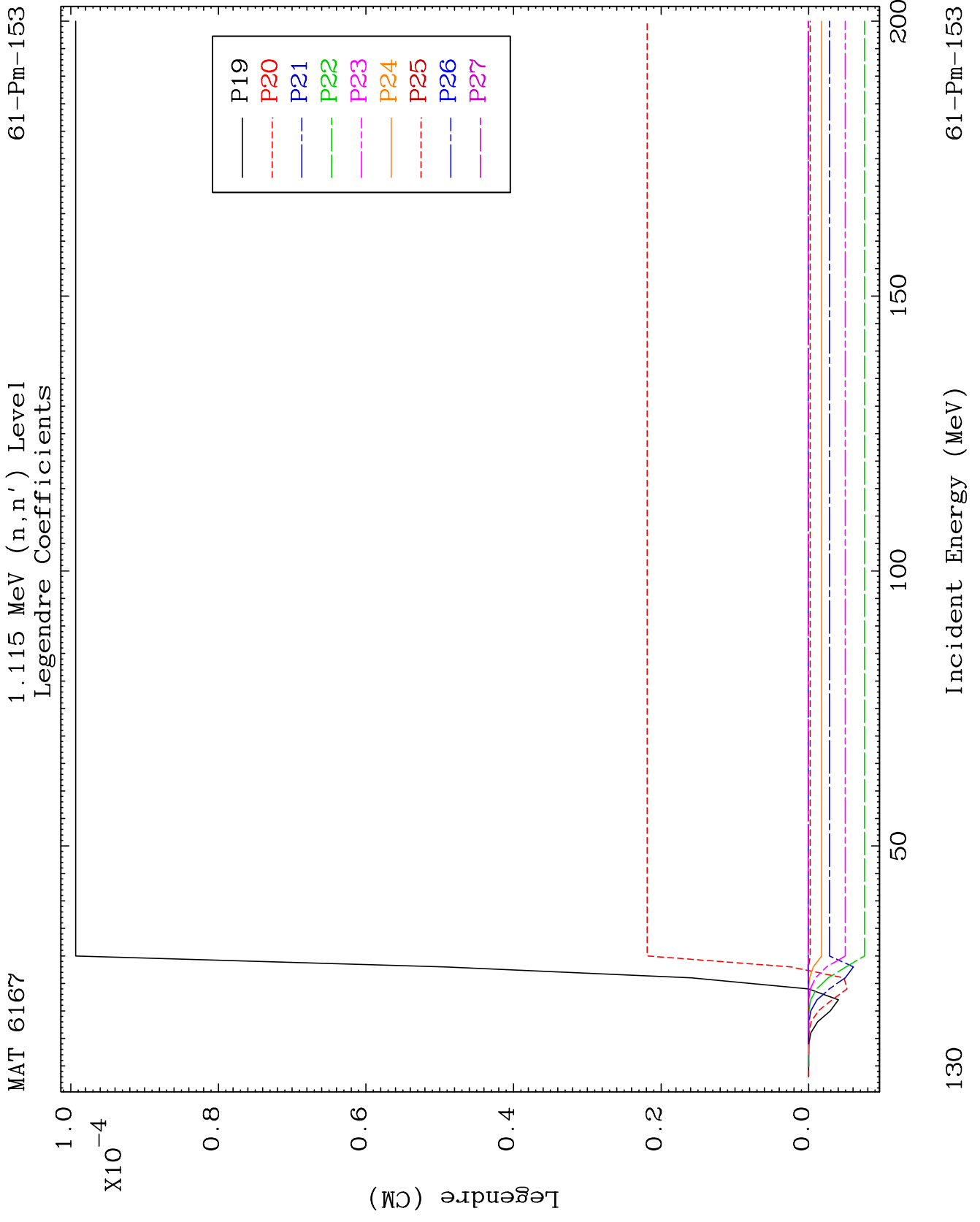
61-Pm-153



61-Pm-153

Incident Energy (MeV)

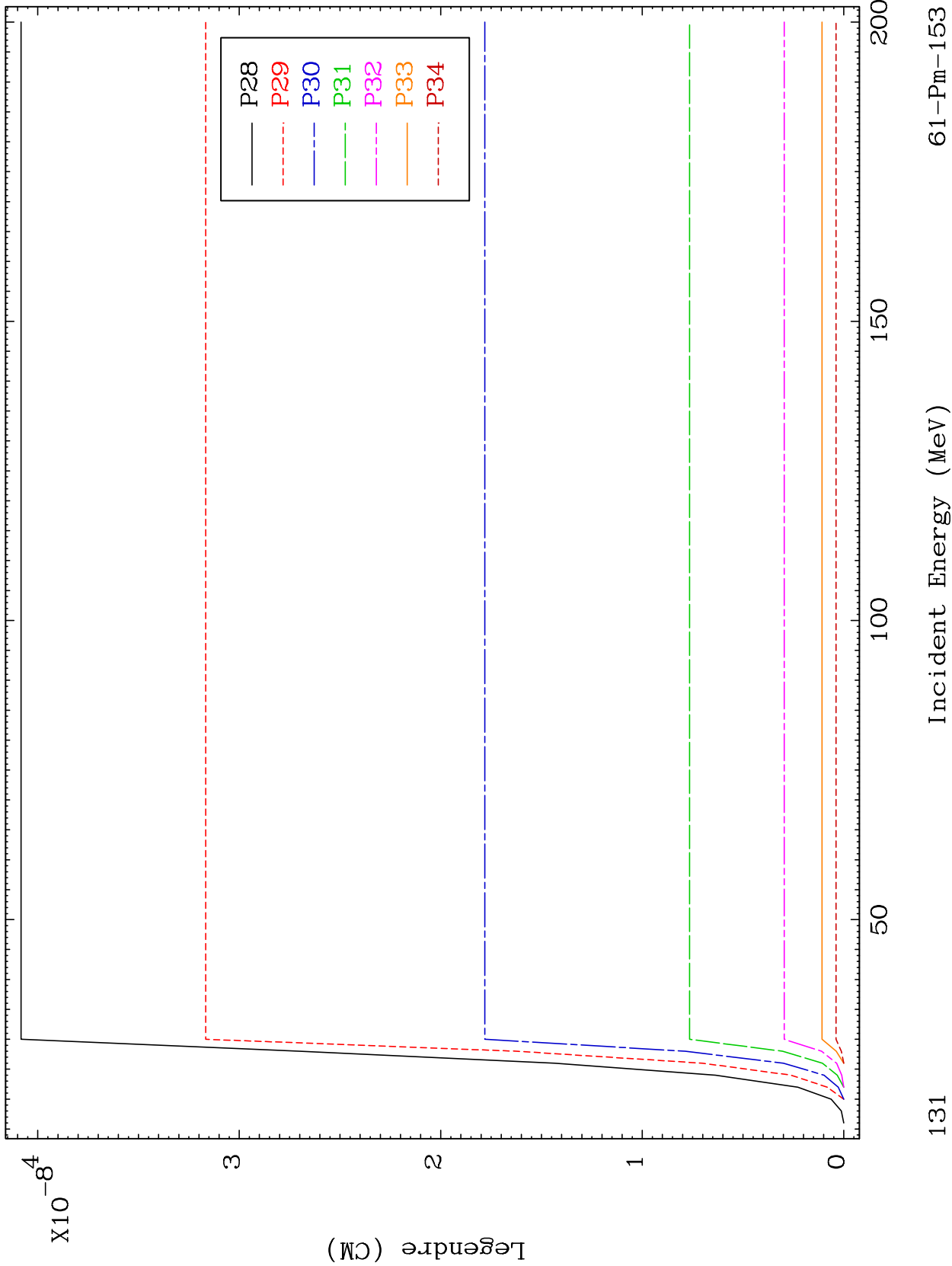
129



MAT 6167

1.115 MeV (n,n') Level
Legendre Coefficients

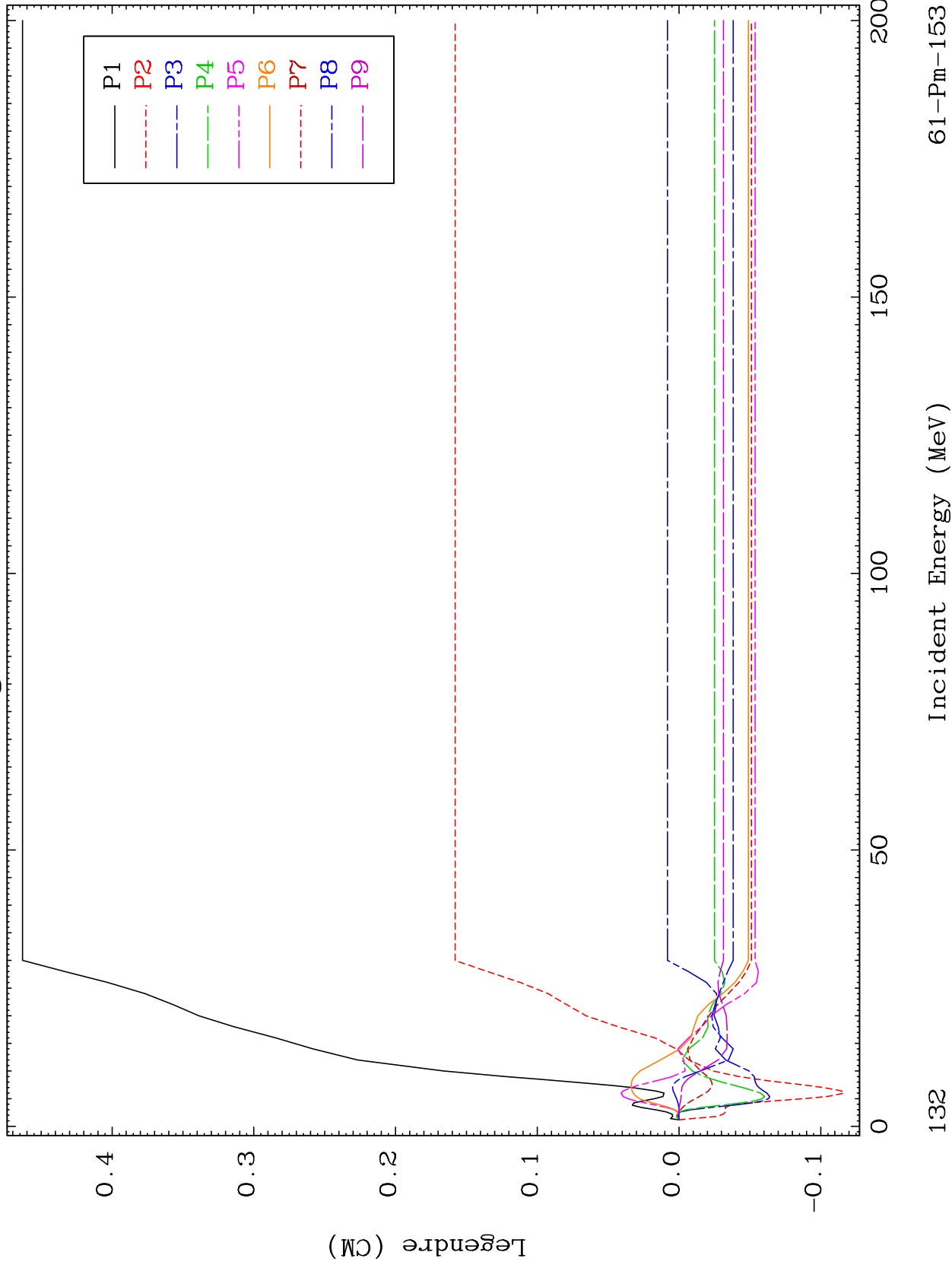
61-Pm-153



MAT 6167

1.152 MeV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

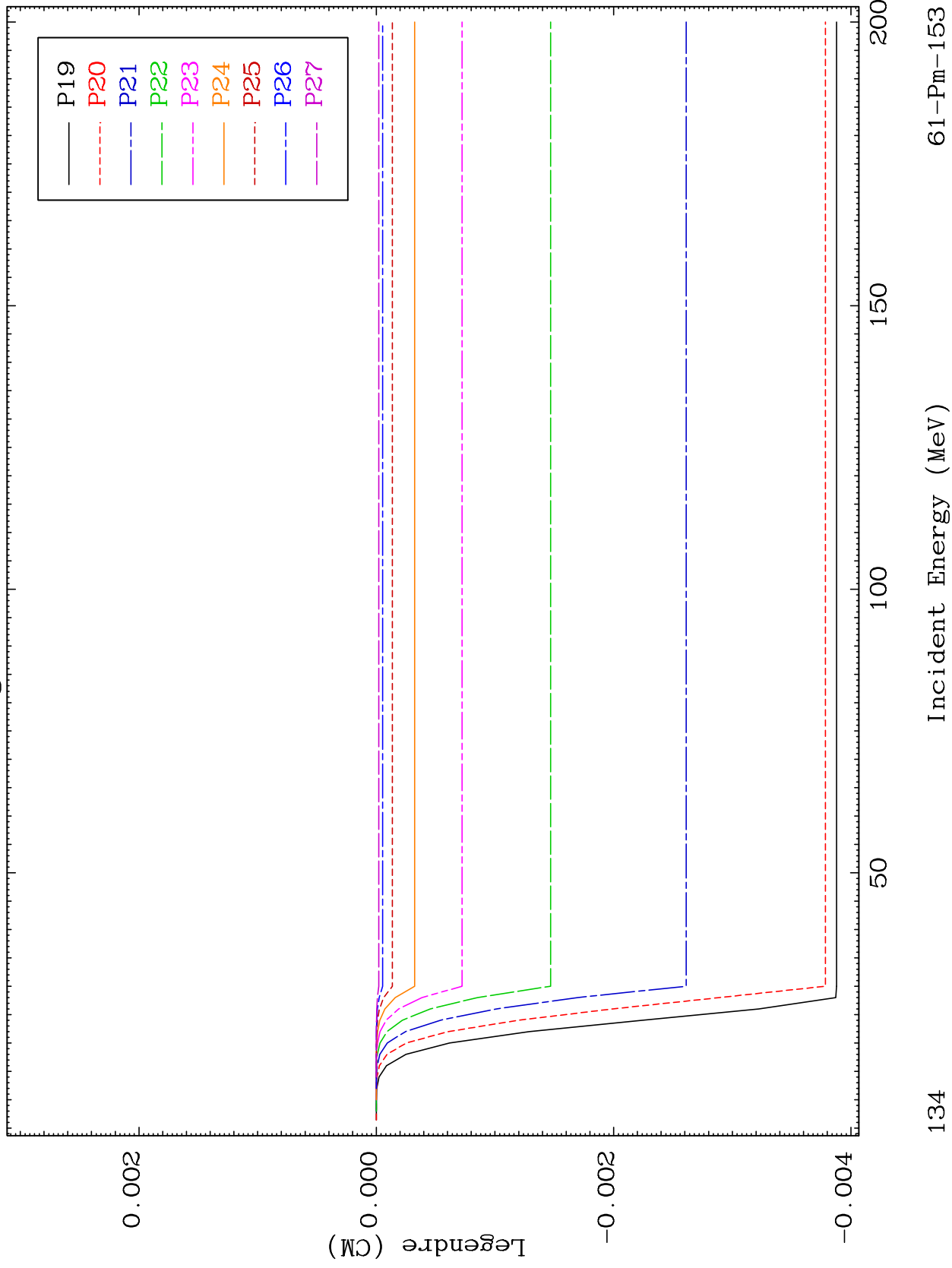
Incident Energy (MeV)

132

MAT 6167

1.152 MeV (n,n') Level
Legendre Coefficients

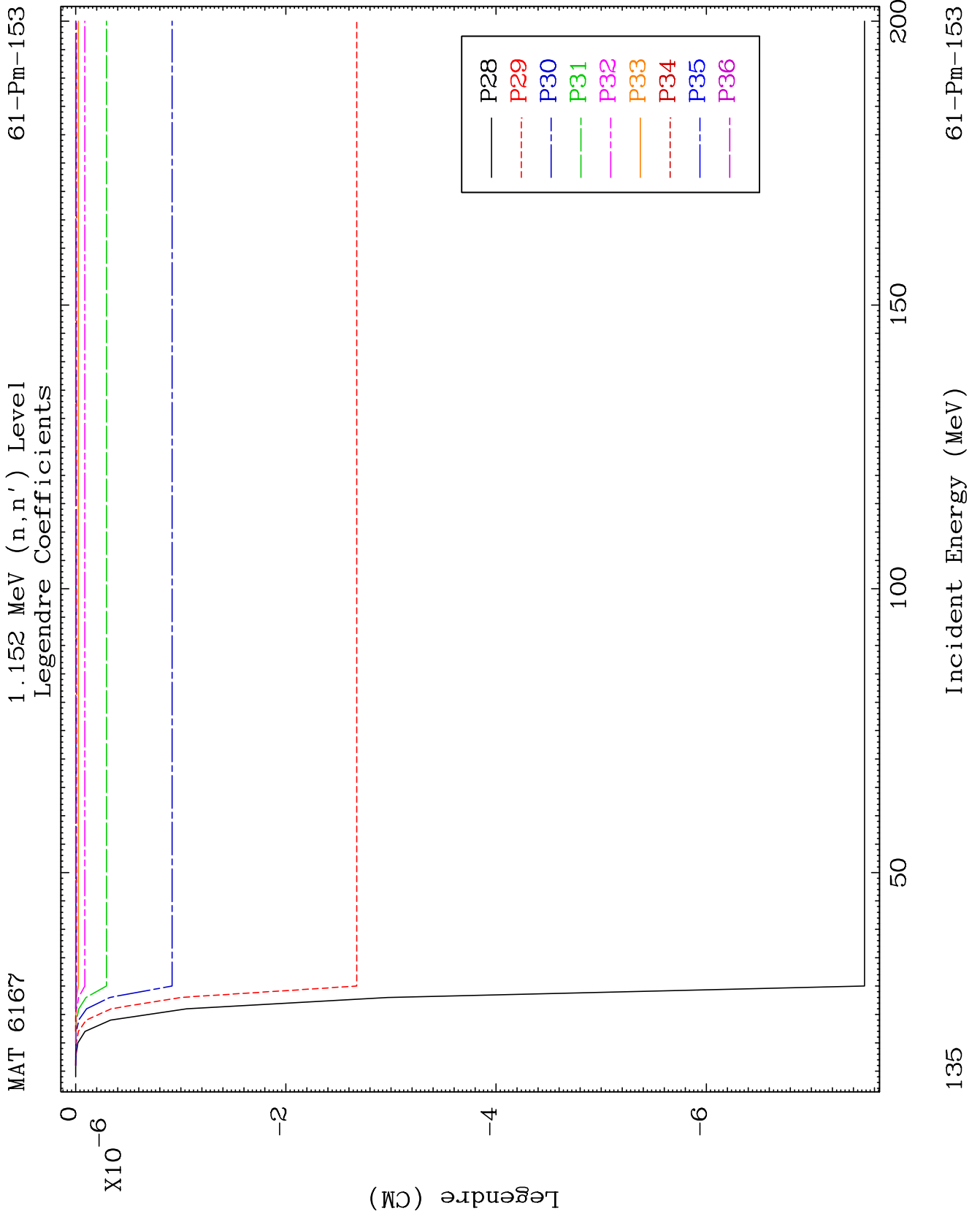
61-Pm-153



134

Incident Energy (MeV)

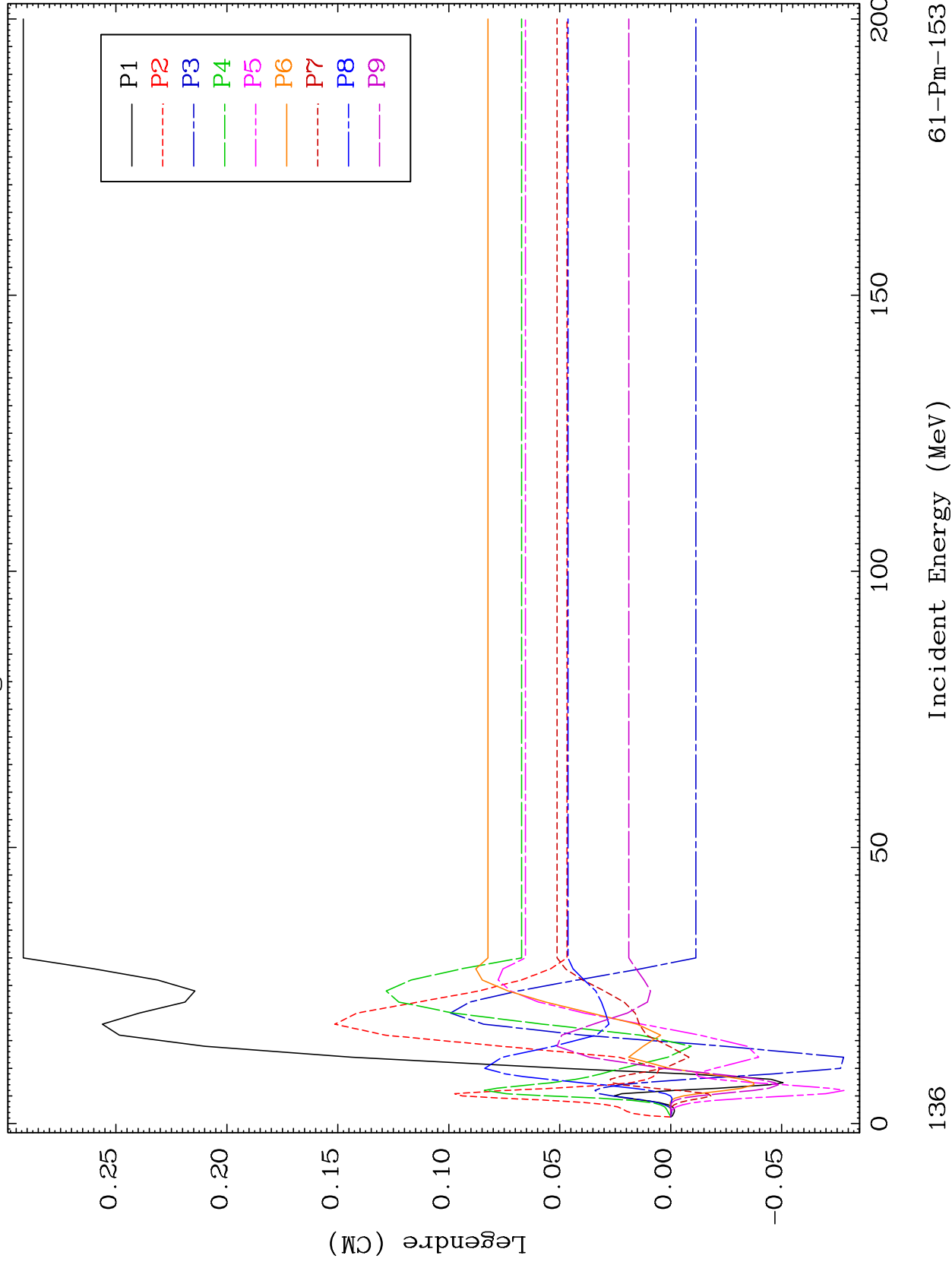
61-Pm-153



MAT 6167

1.161 MeV (n,n') Level
Legendre Coefficients

61-Pm-153



61-Pm-153

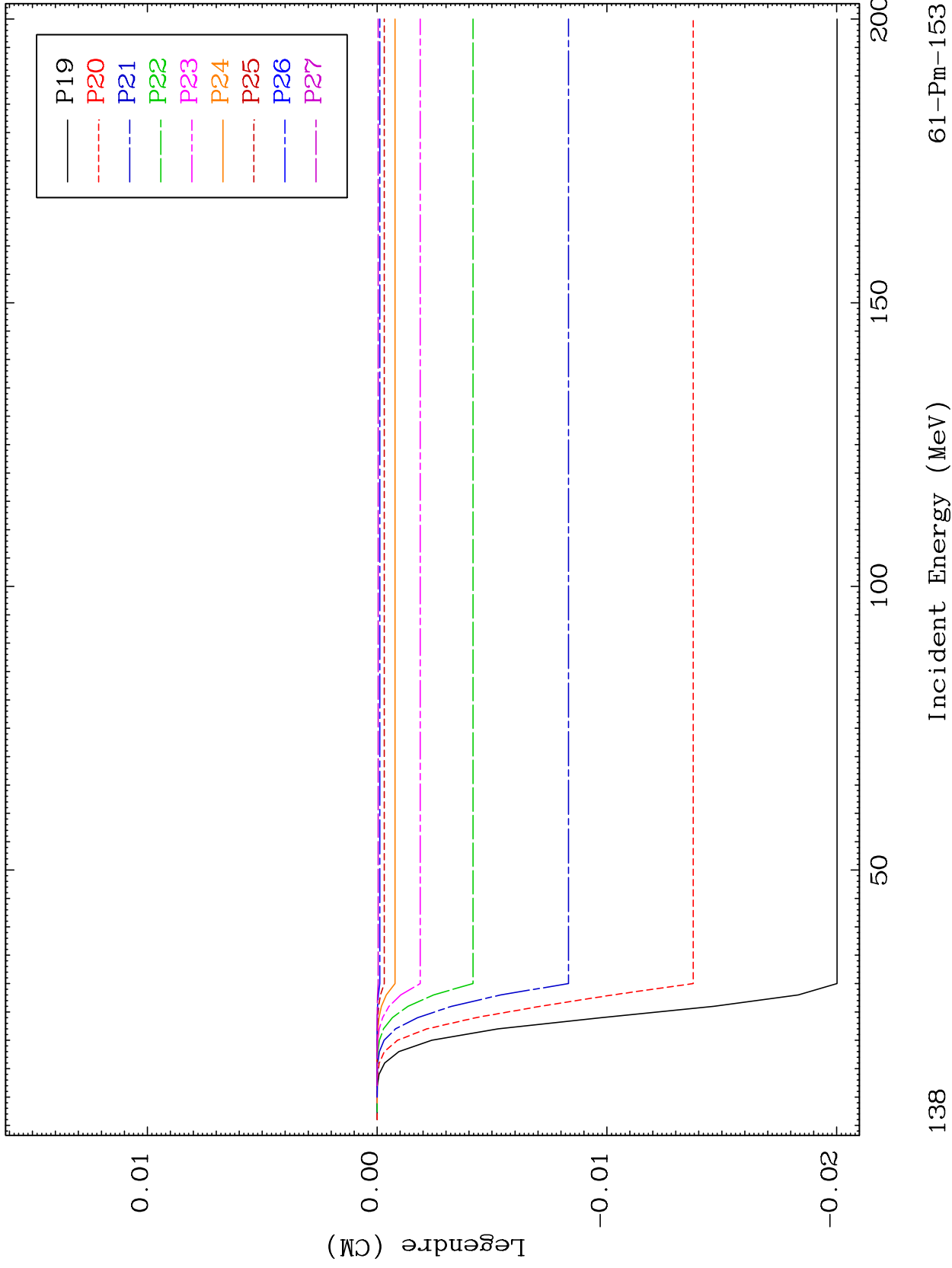
Incident Energy (MeV)

136

MAT 6167

1.161 MeV (n,n') Level
Legendre Coefficients

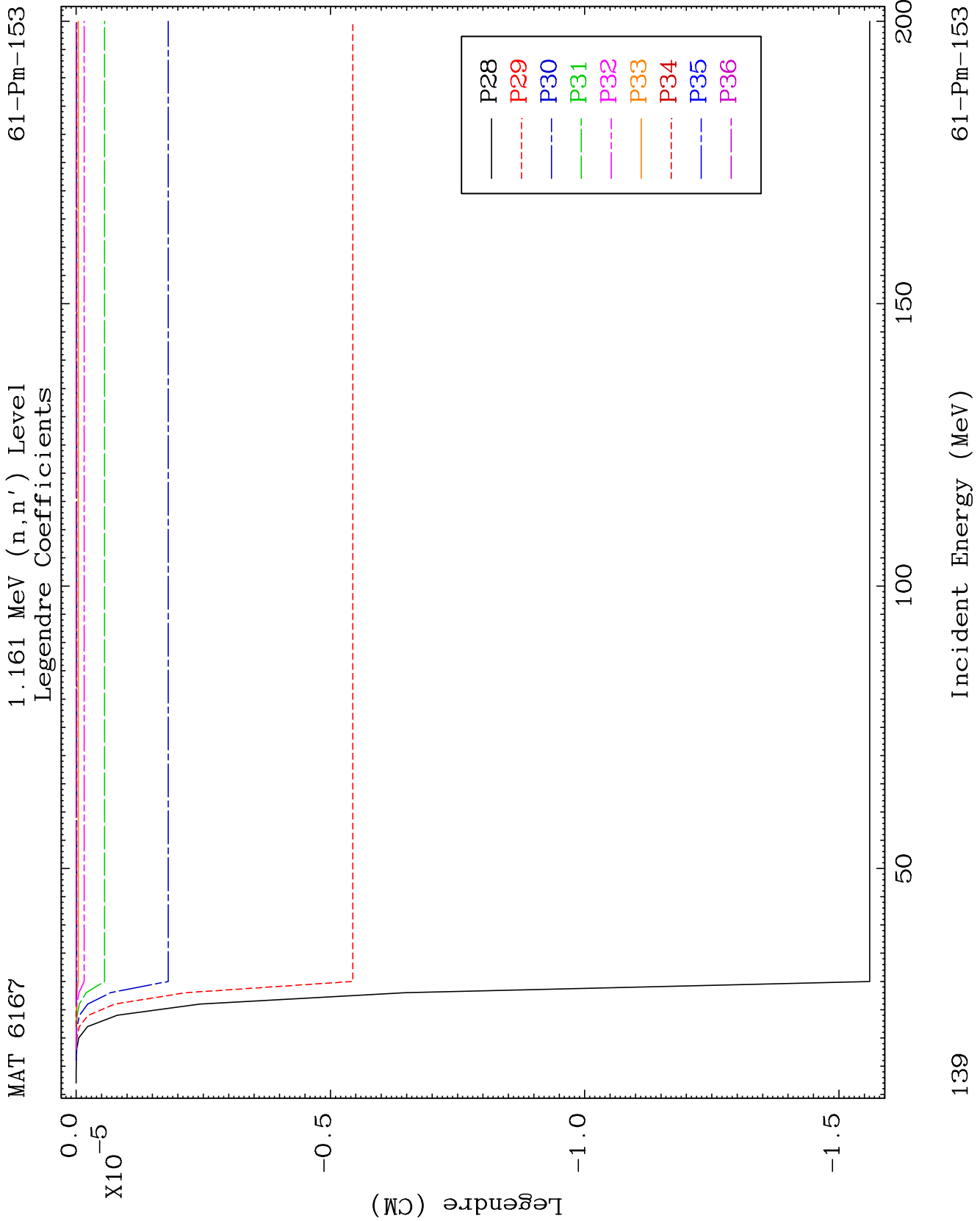
61-Pm-153



138

Incident Energy (MeV)

61-Pm-153

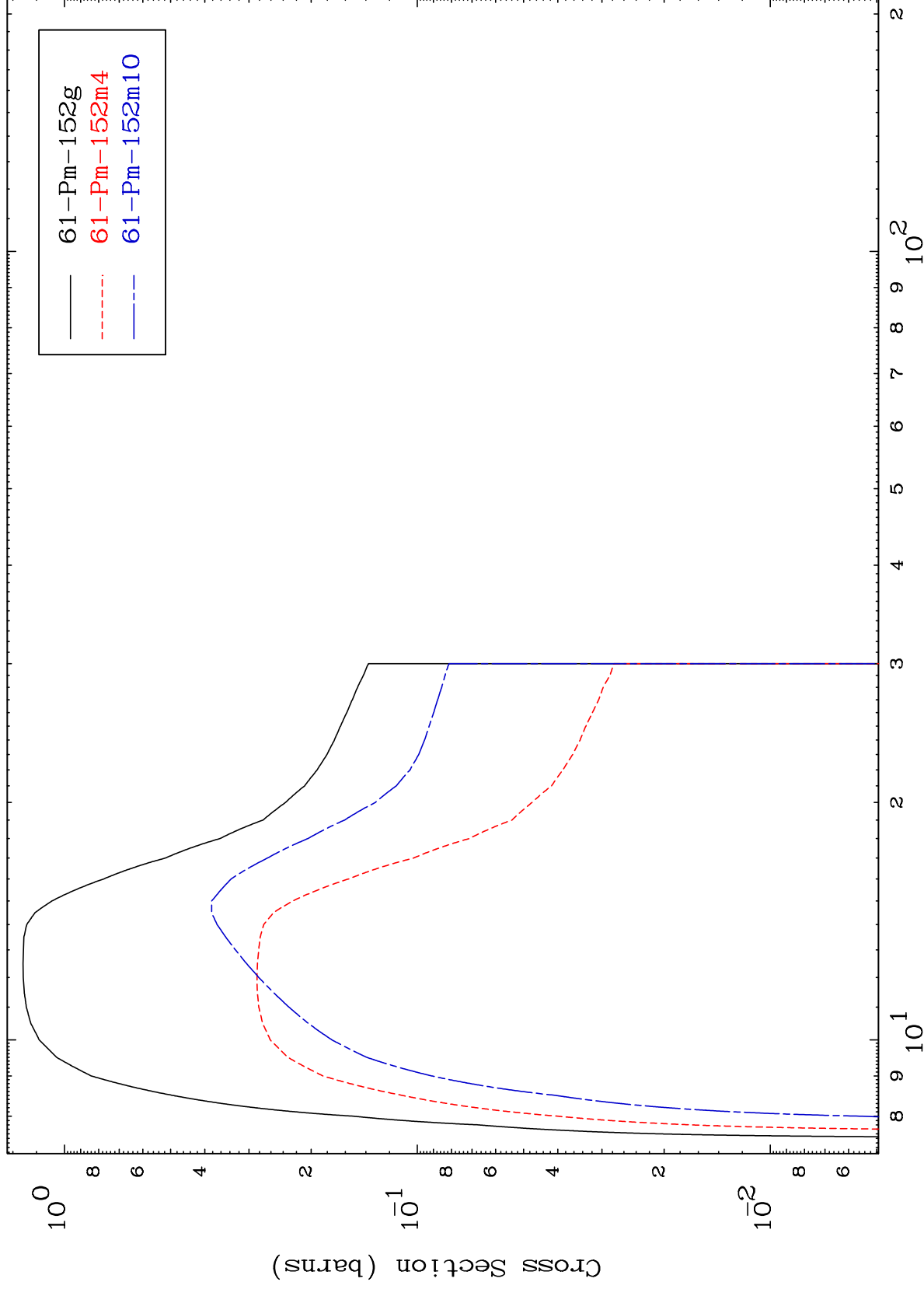


MAT 6167

(n,2n)

61-Pm-153

Radionuclide Production Cross Section



140

Incident Energy (MeV)

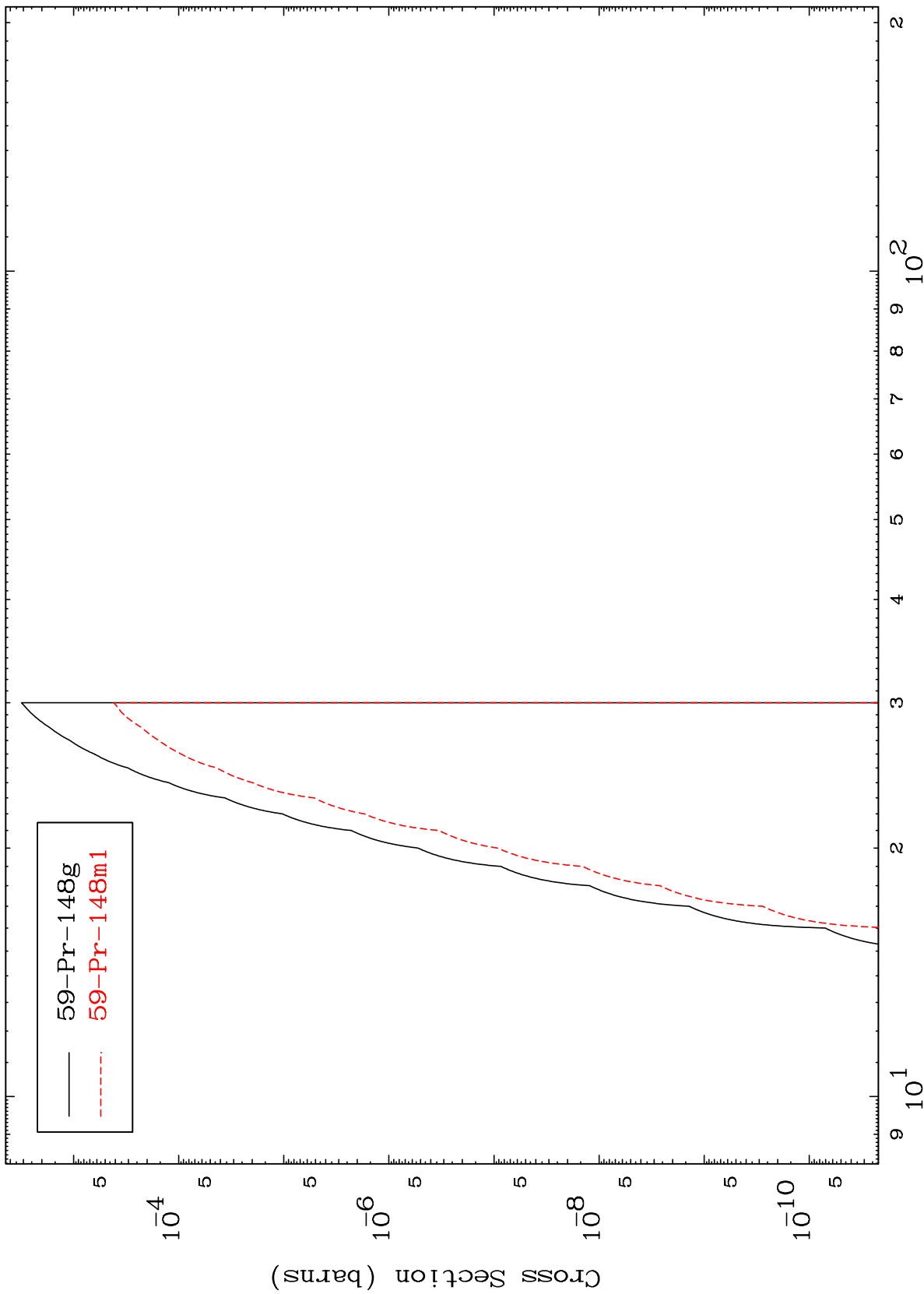
61-Pm-153

MAT 6167

(n,2n) α

61-Pm-153

Radionuclide Production Cross Section



141

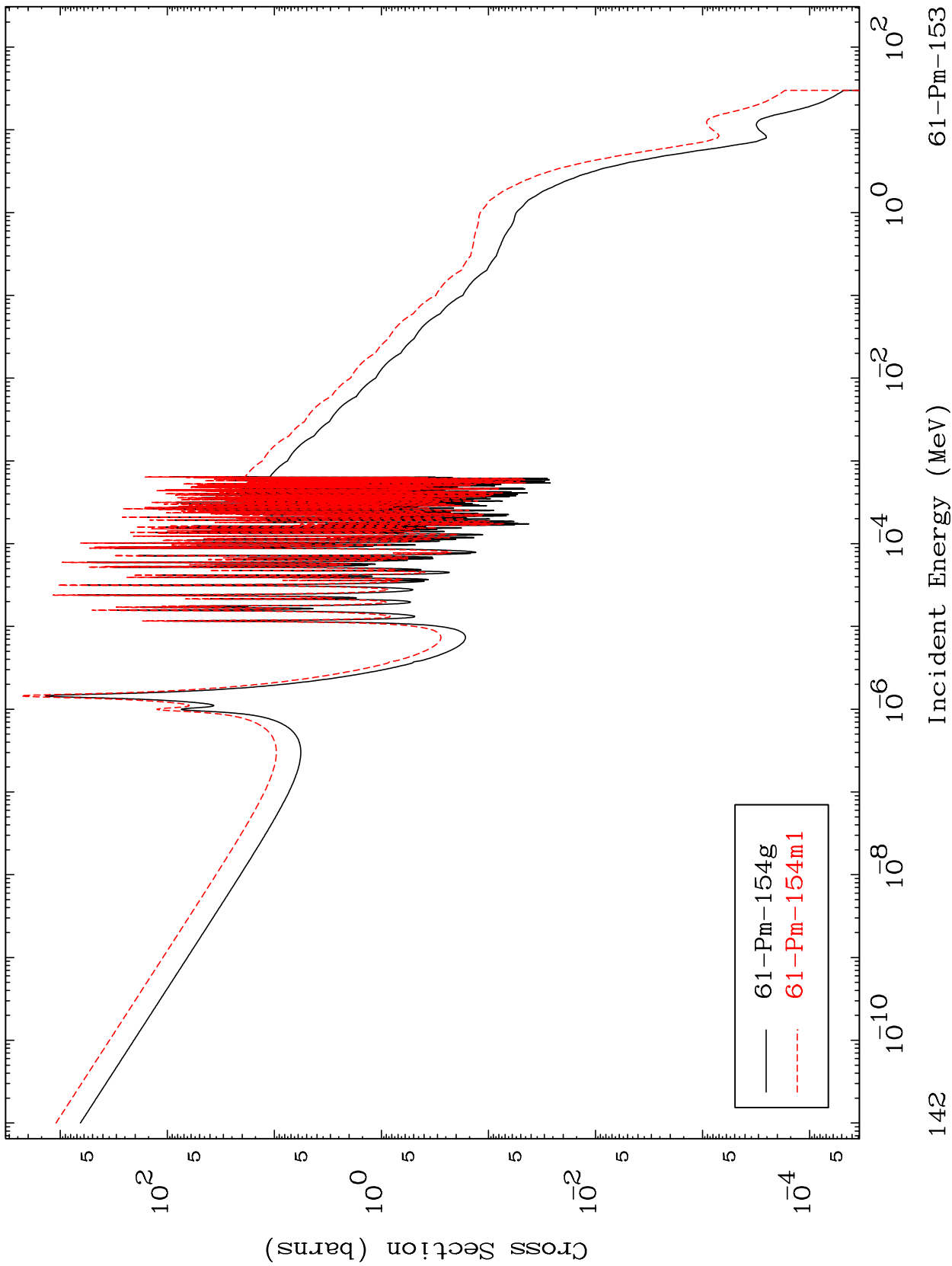
Incident Energy (MeV)

61-Pm-153

MAT 6167

61-Pm-153

(n, γ)
Radionuclide Production Cross Section



142

61-Pm-153