

Program EVALPLOT
(Version 2015-2)

by

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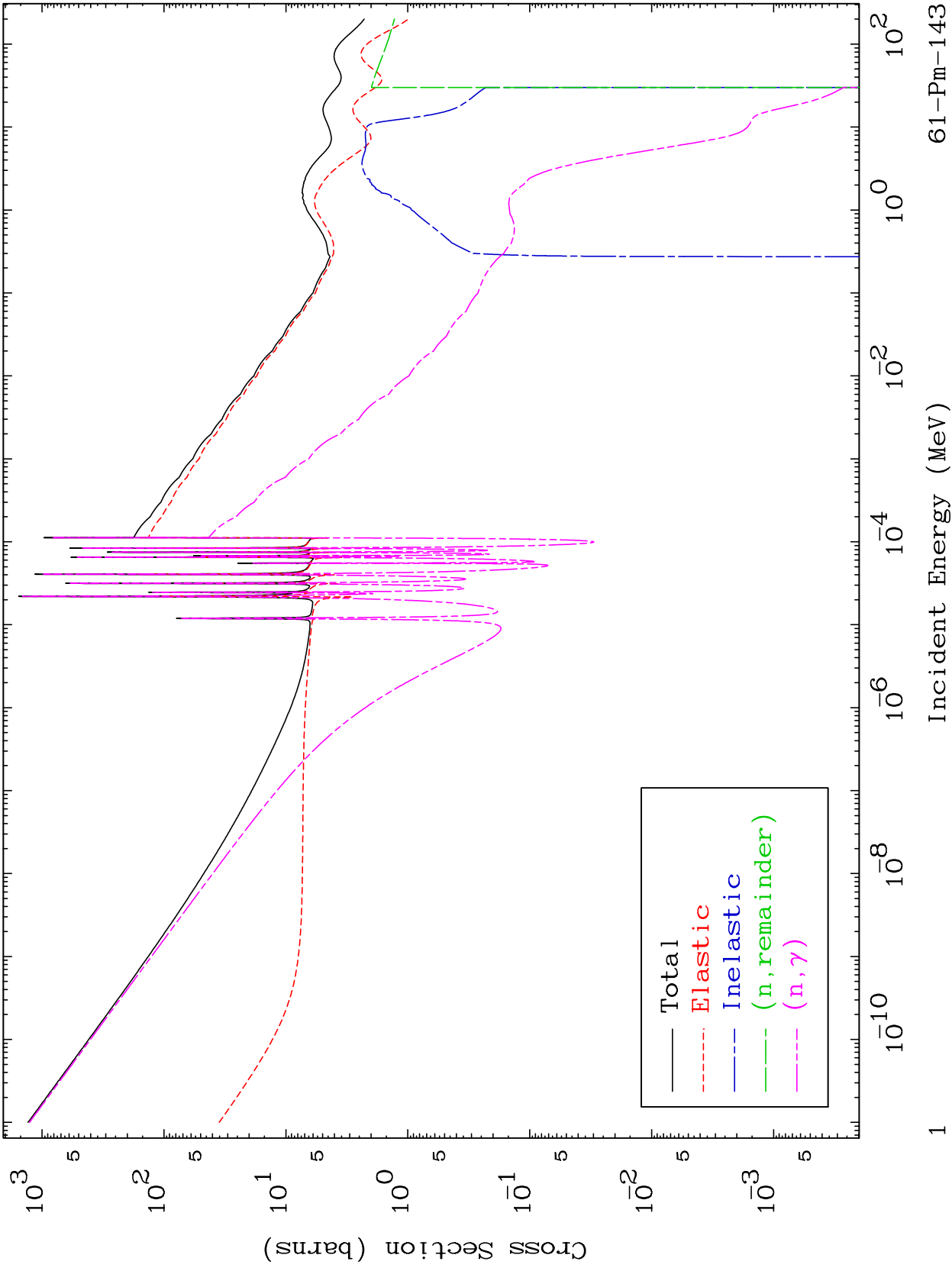
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6137

Major
293 Kelvin Cross Sections

61-Pm-143

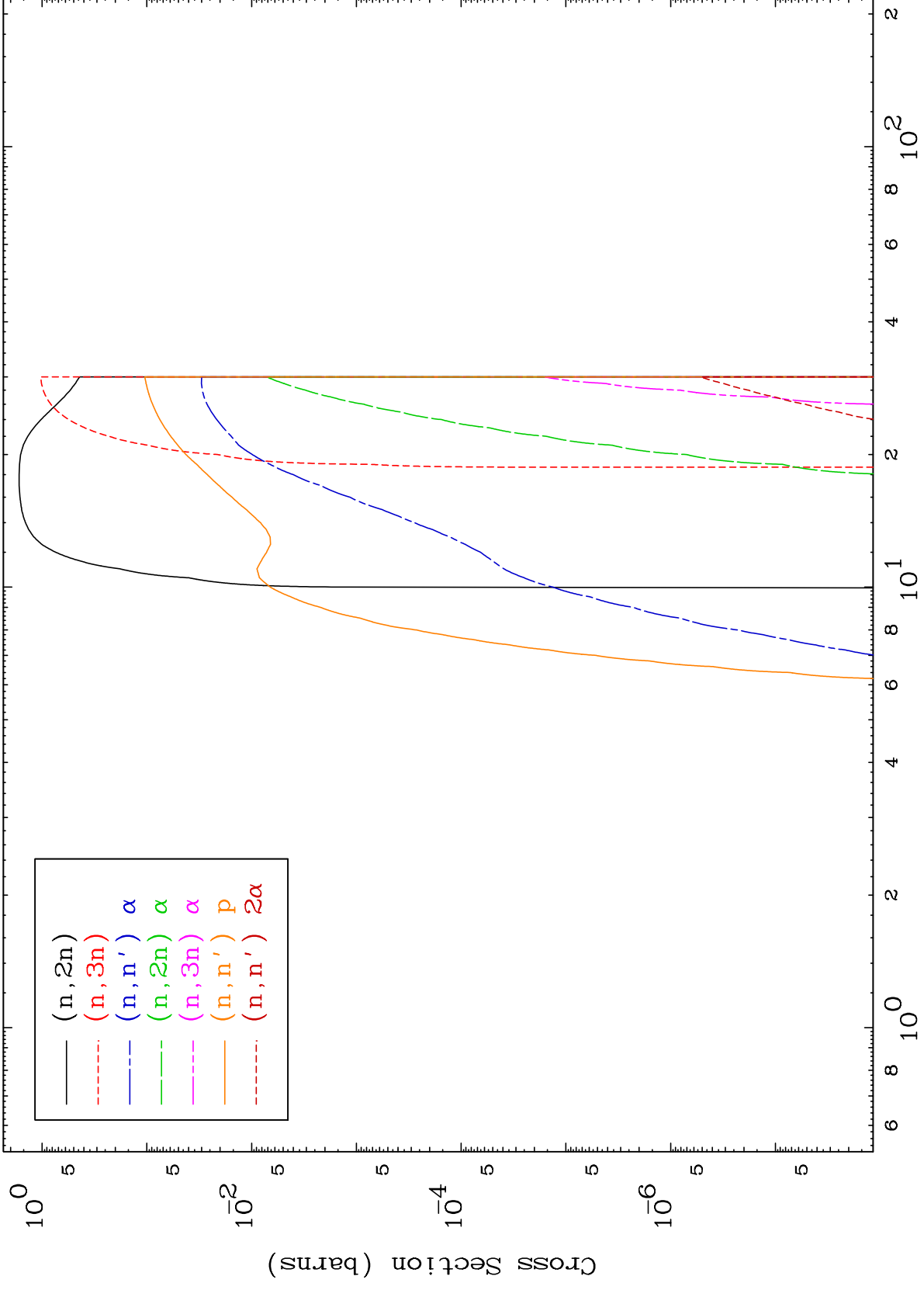


61-Pm-143

MAT 6137

Neutron Production
293 Kelvin Cross Sections

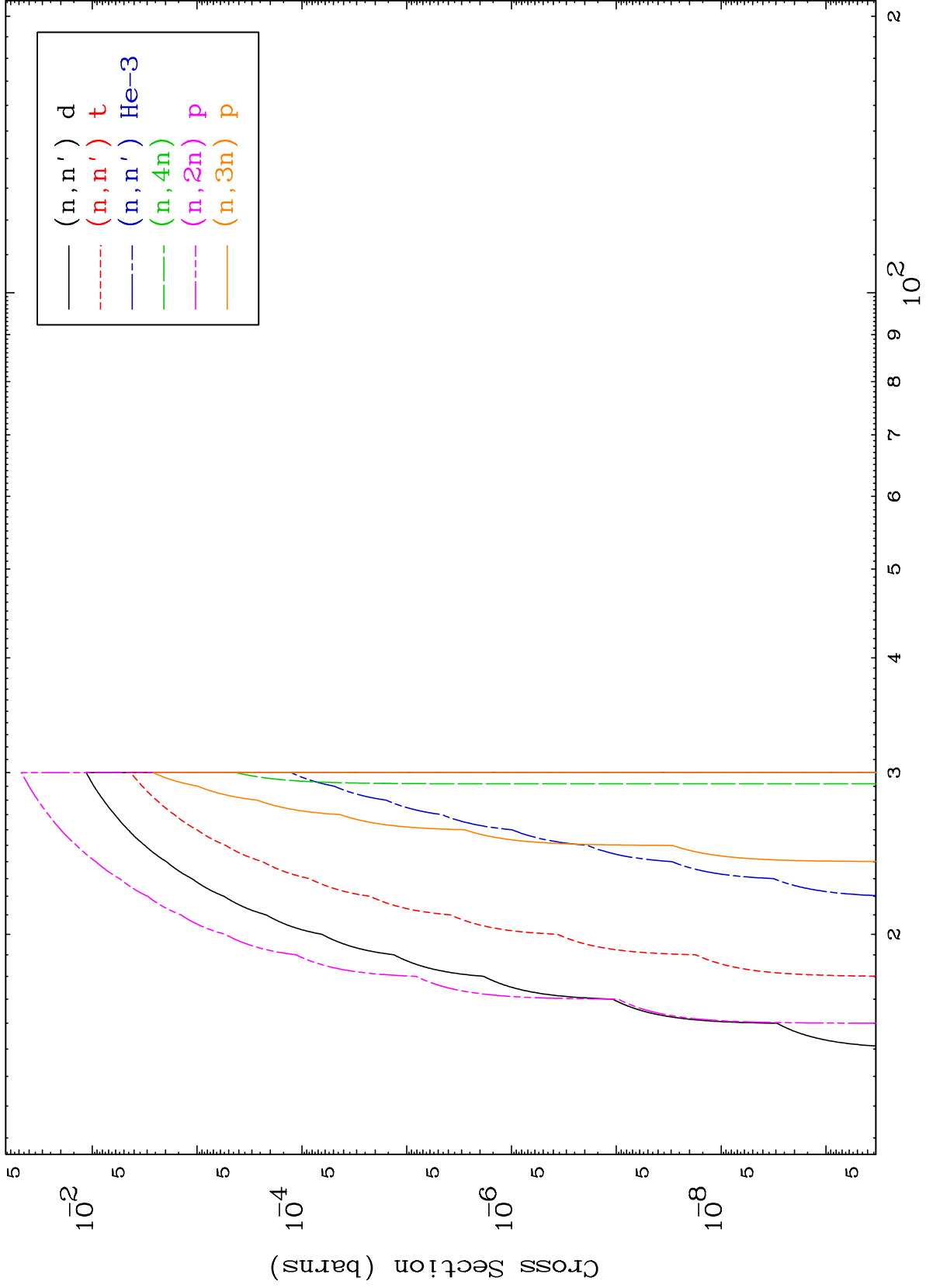
61-Pm-143



2

Incident Energy (MeV)

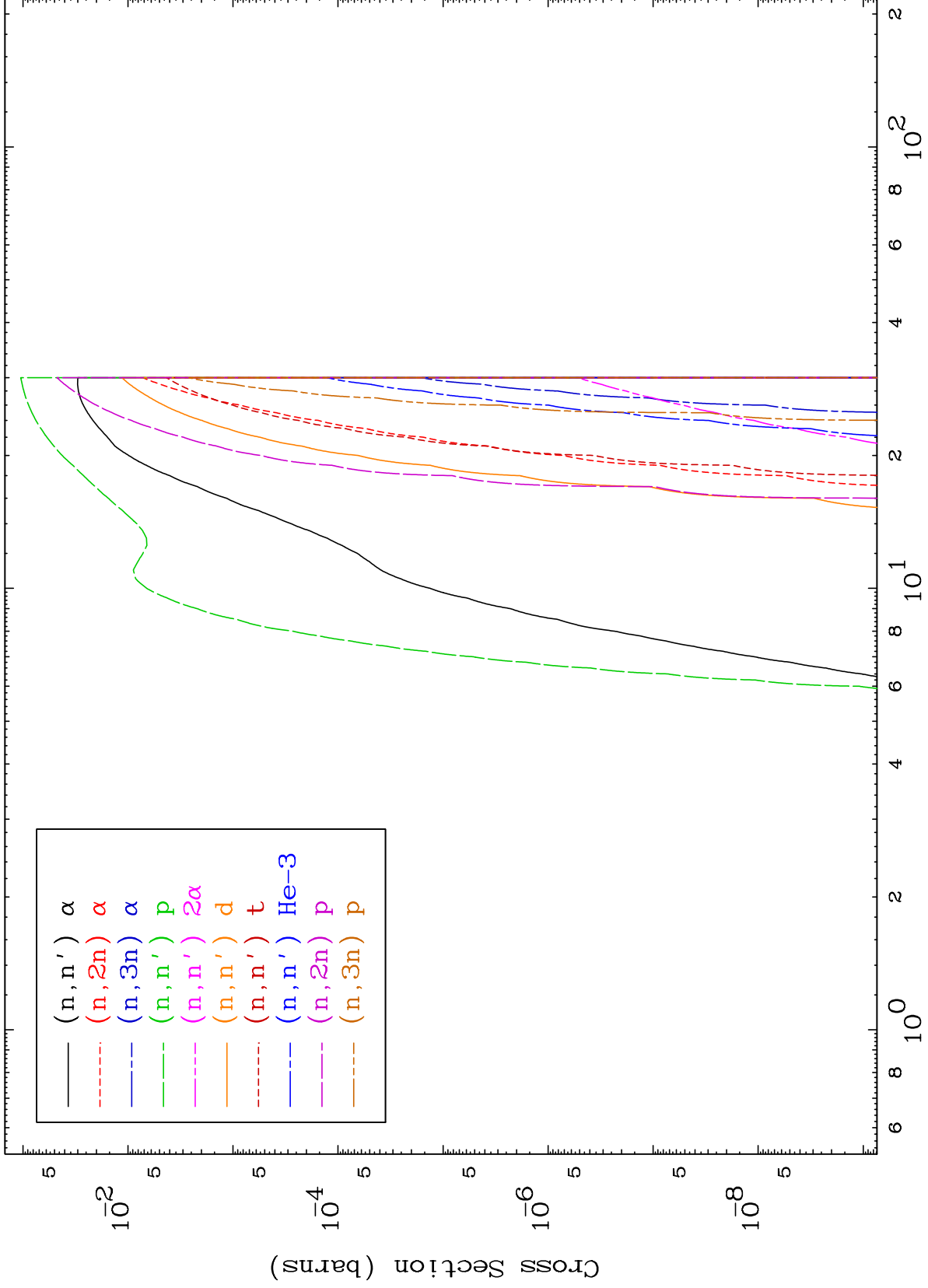
61-Pm-143



MAT 6137

Charged Particle
293 Kelvin Cross Sections

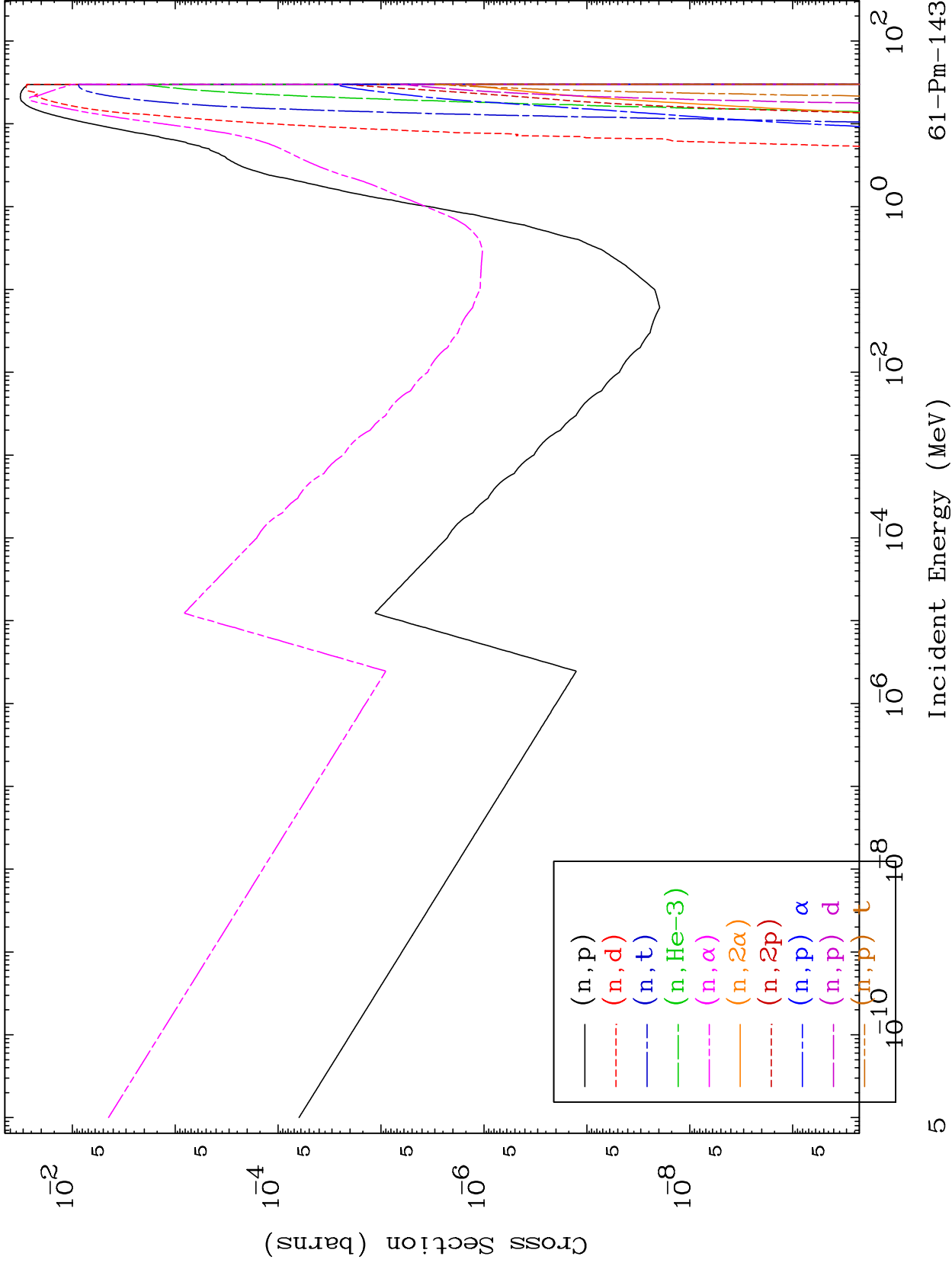
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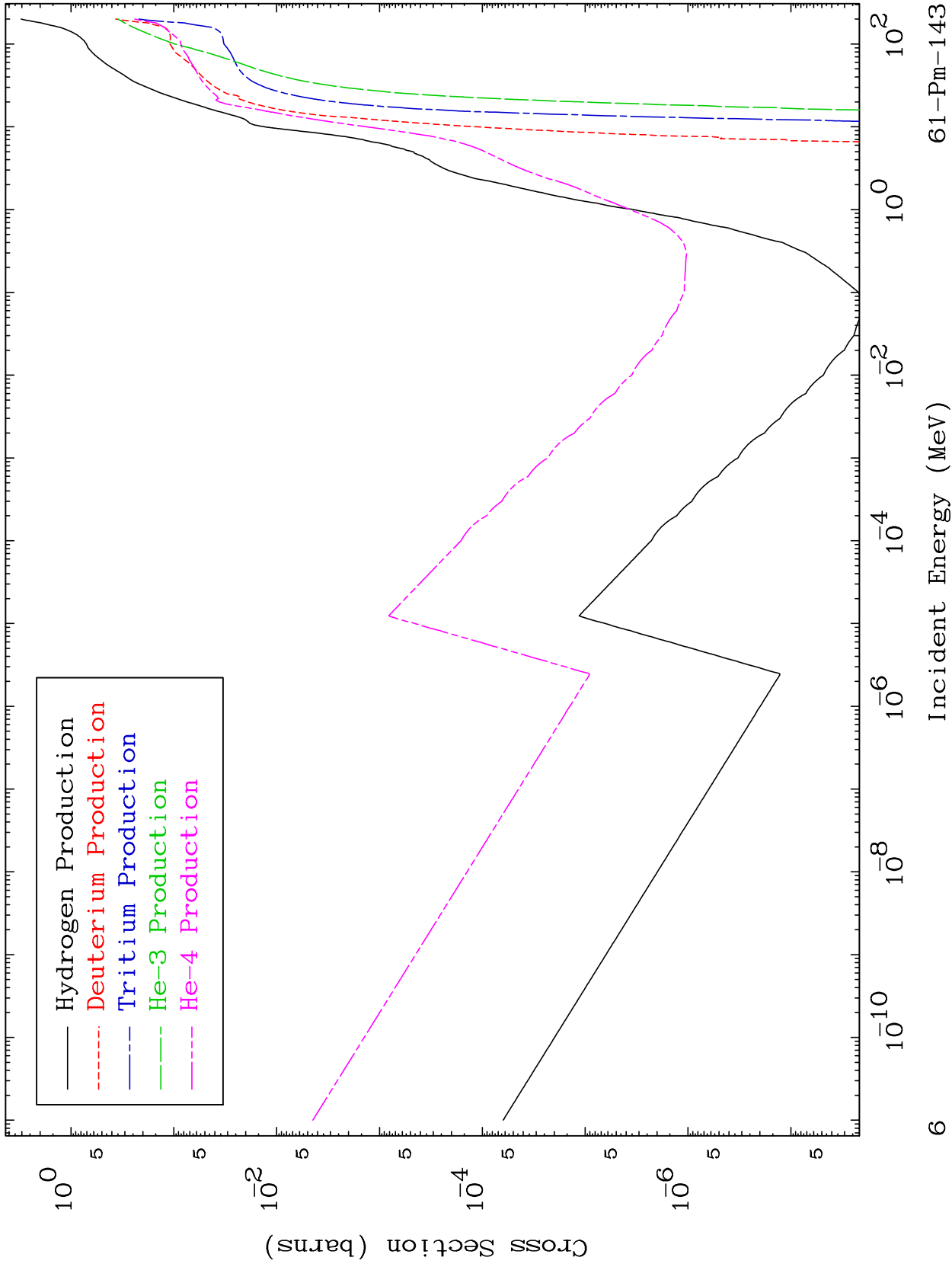


MAT 6137

Charged Particle
293 Kelvin Cross Sections

61-Pm-143

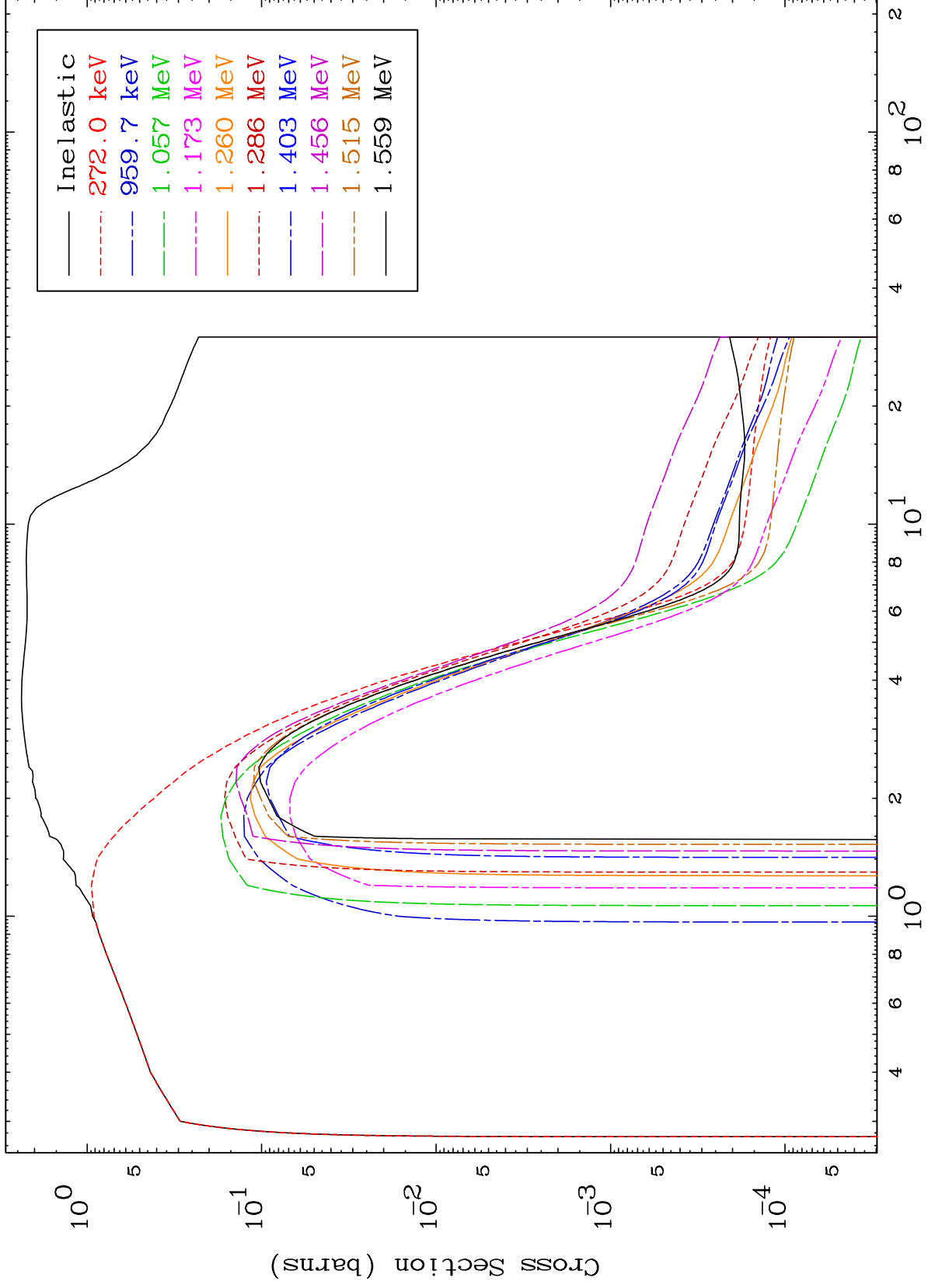




MAT 6137

(n,n') Level
293 Kelvin Cross Sections

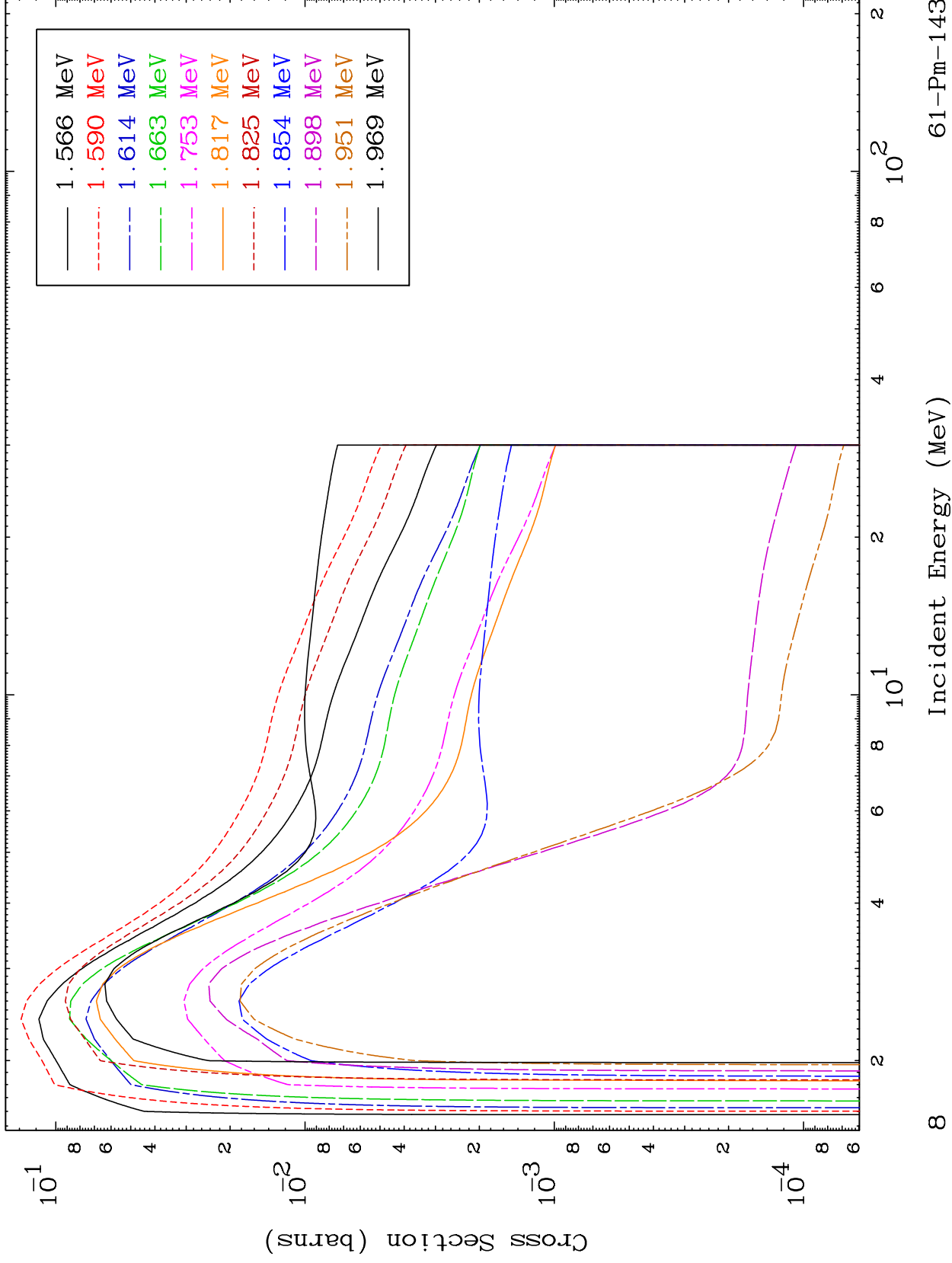
61-Pm-143



MAT 6137

(n,n') Level
293 Kelvin Cross Sections

61-Pm-143



61-Pm-143

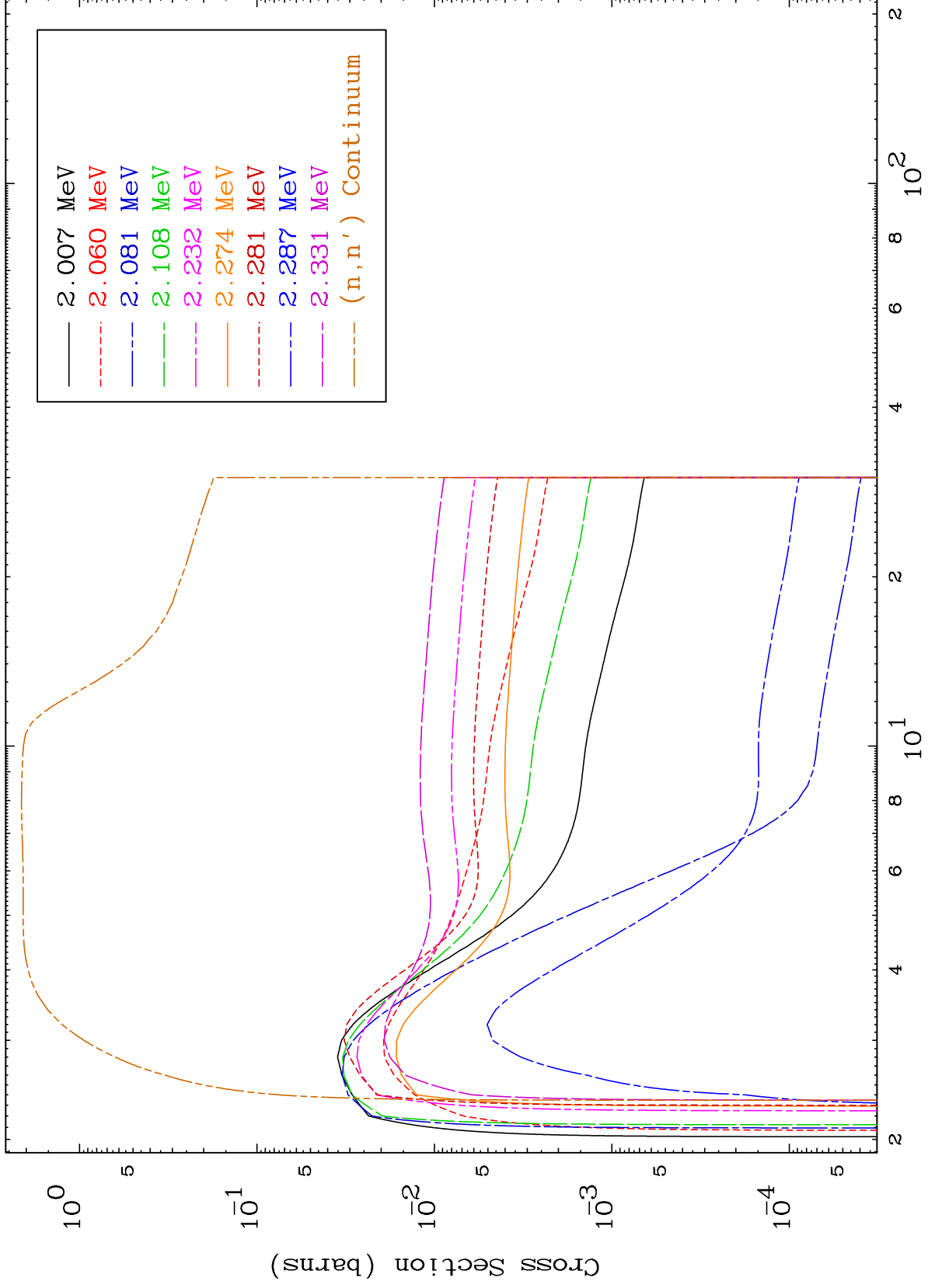
Incident Energy (MeV)

8

MAT 6137

(n,n') Level
293 Kelvin Cross Sections

61-Pm-143



9

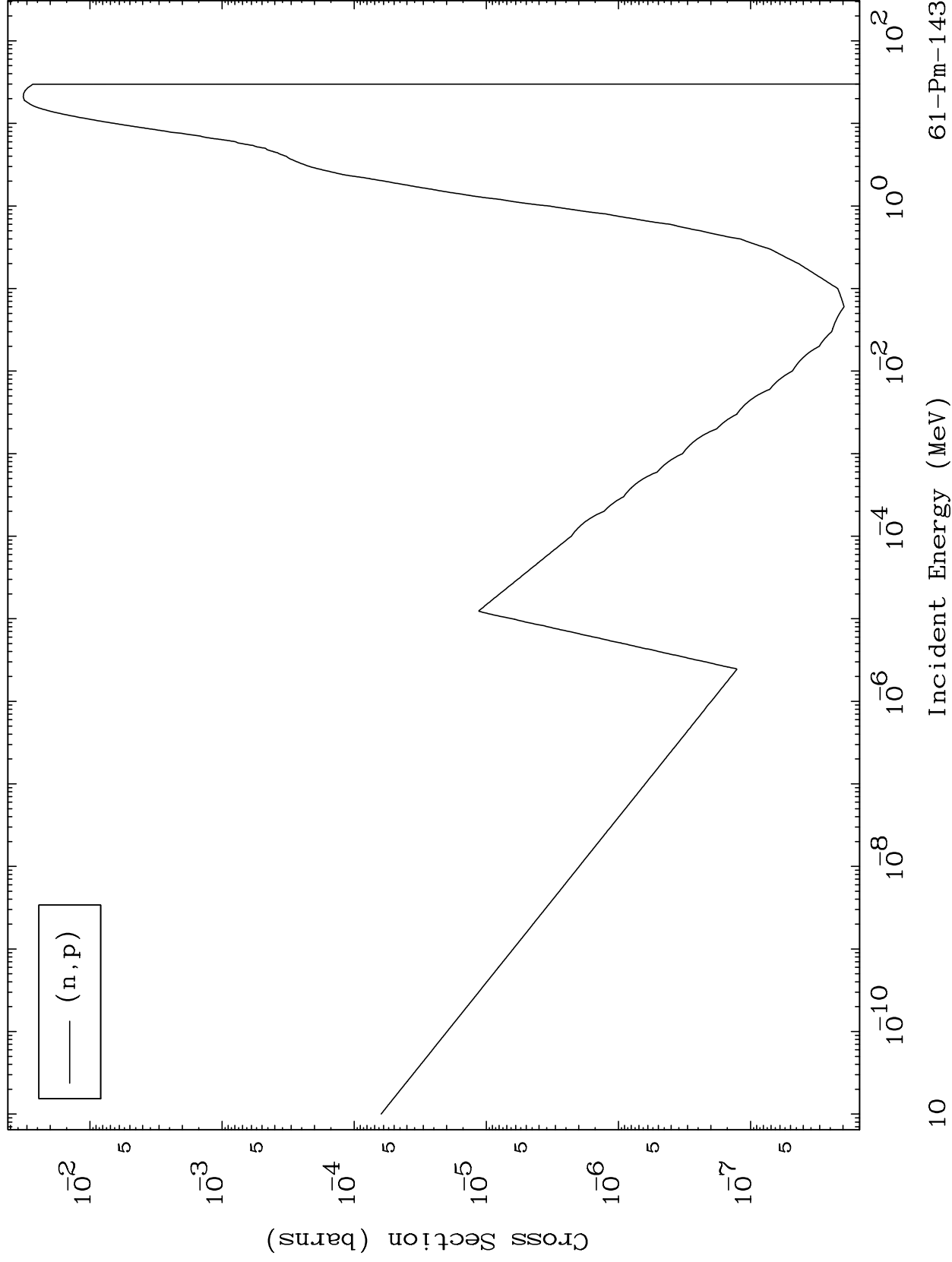
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-143



10

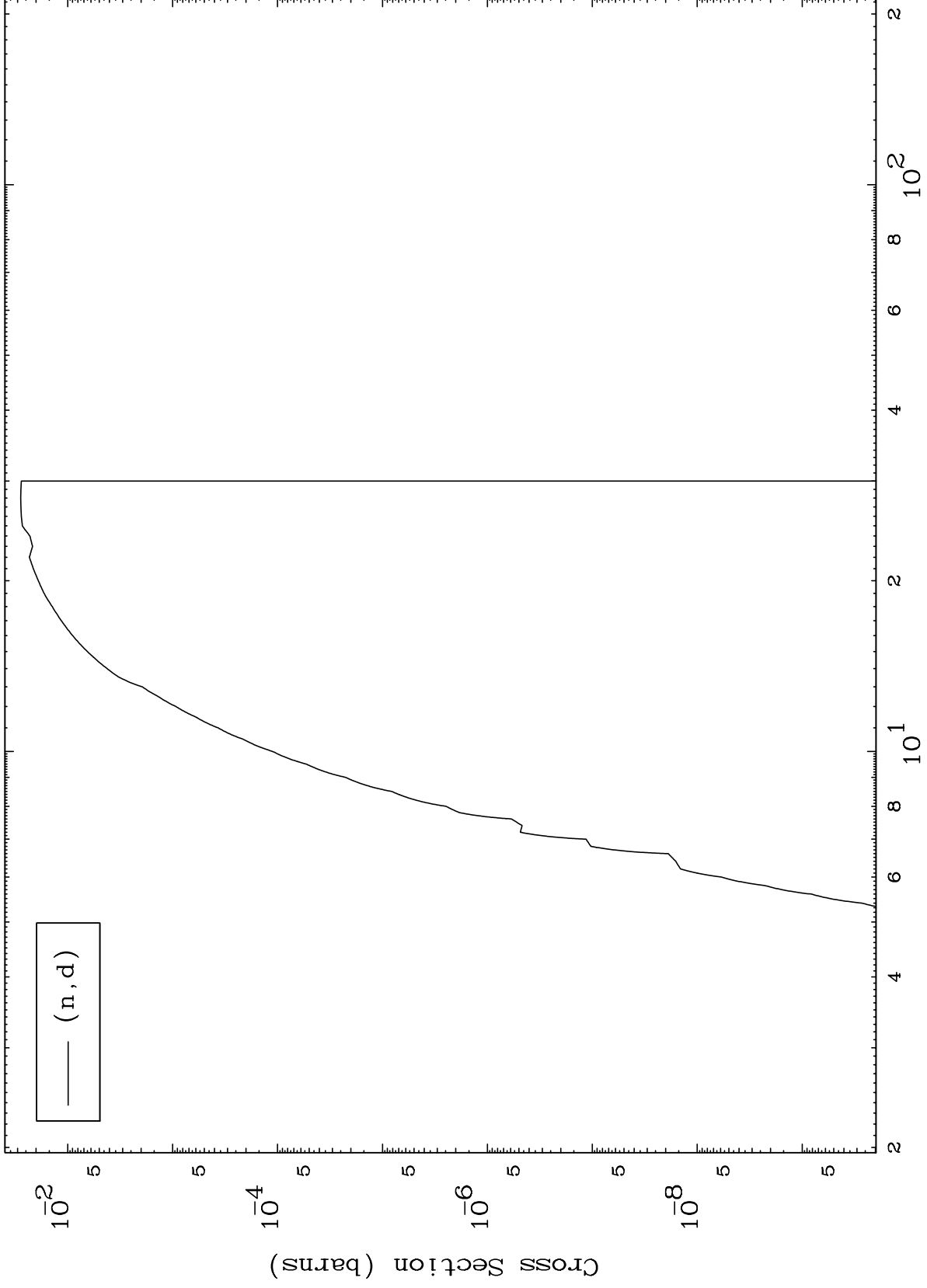
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61-Pm-143

MAT 6137

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-143



11

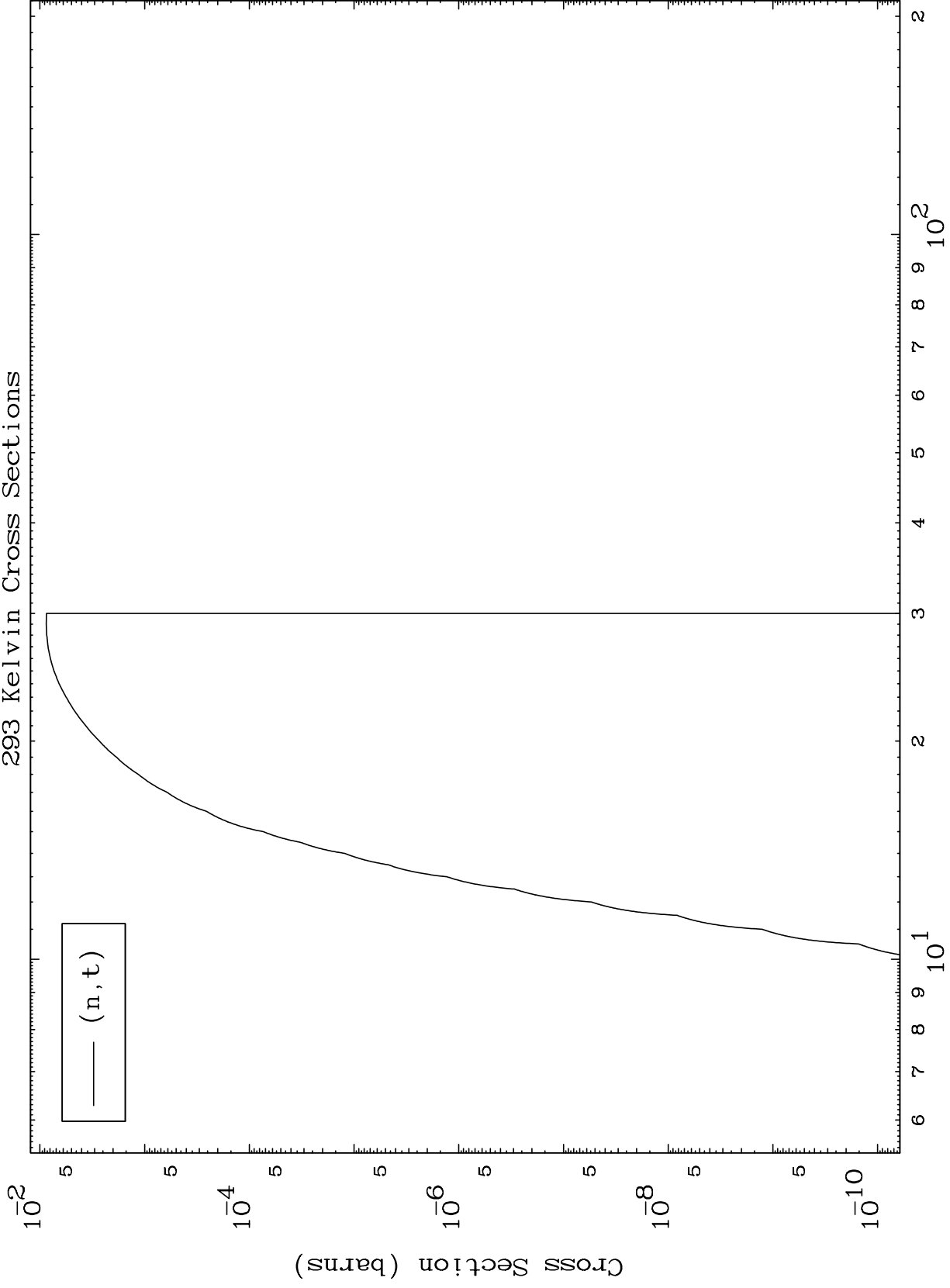
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61-Pm-143

MAT 6137

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-143



12

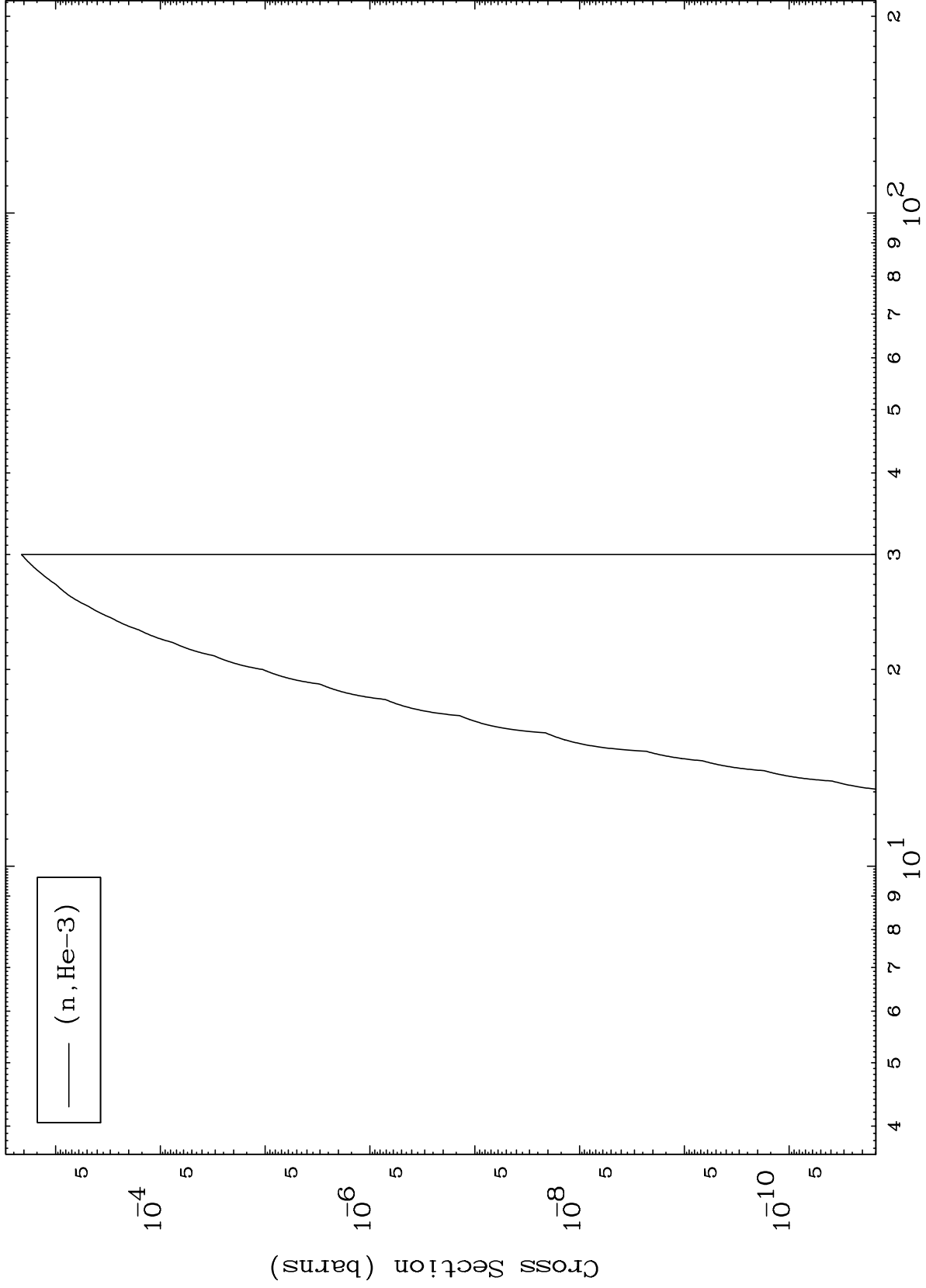
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-143



13

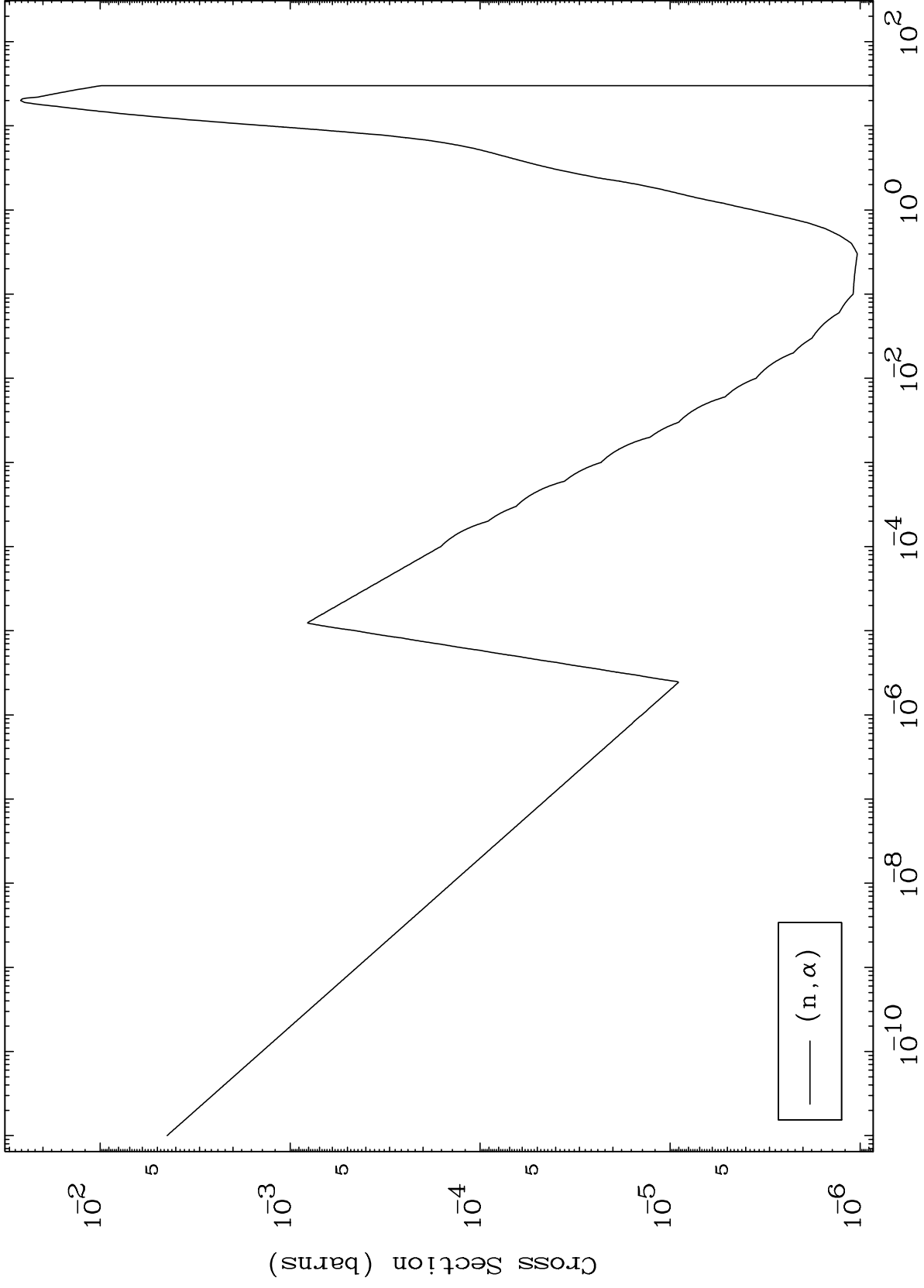
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n, α) Levels
293 Kelvin Cross Sections

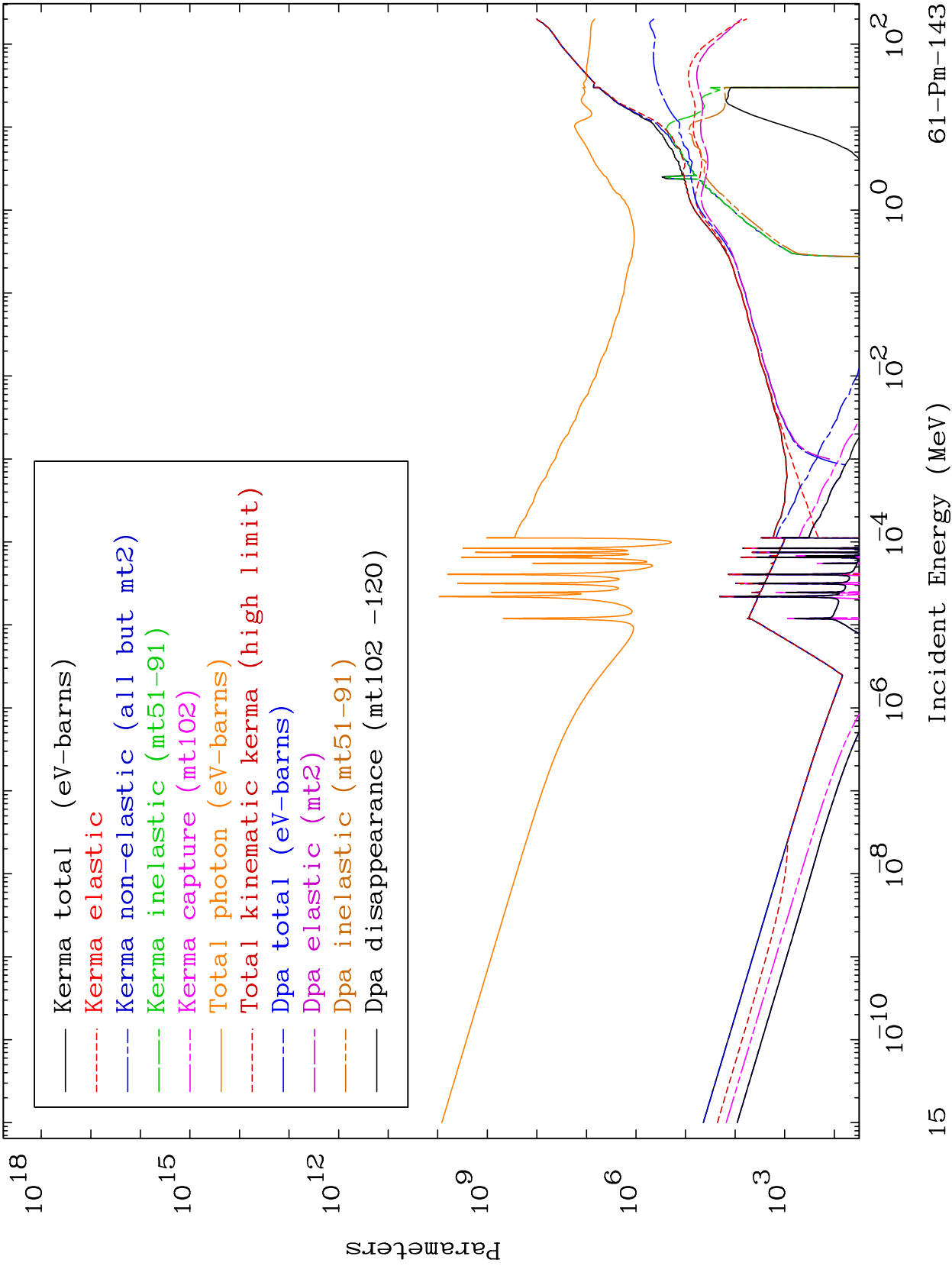
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14

Incident Energy (MeV)

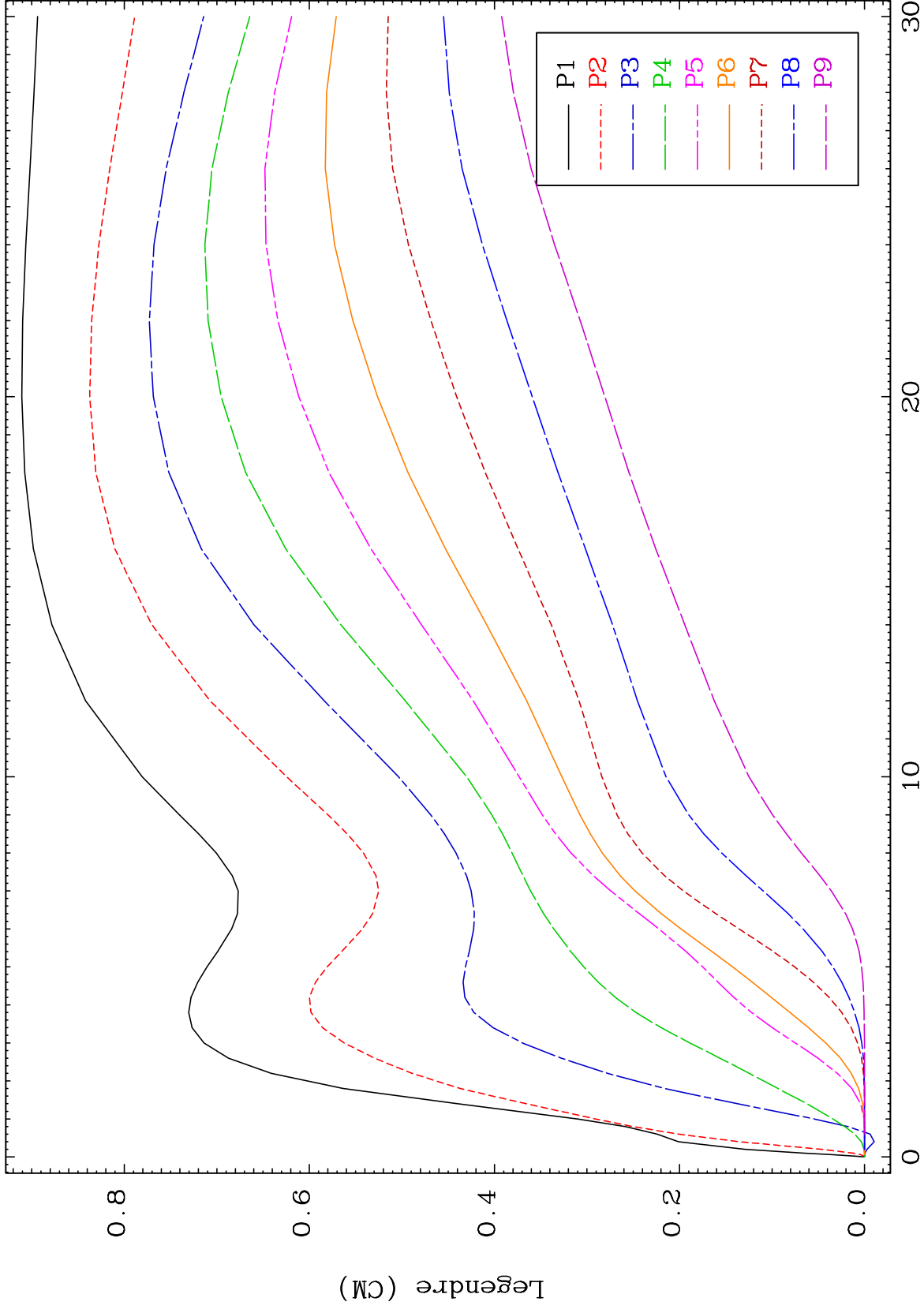
61-Pm-143



MAT 6137

Elastic Legendre Coefficients

61-Pm-143



16

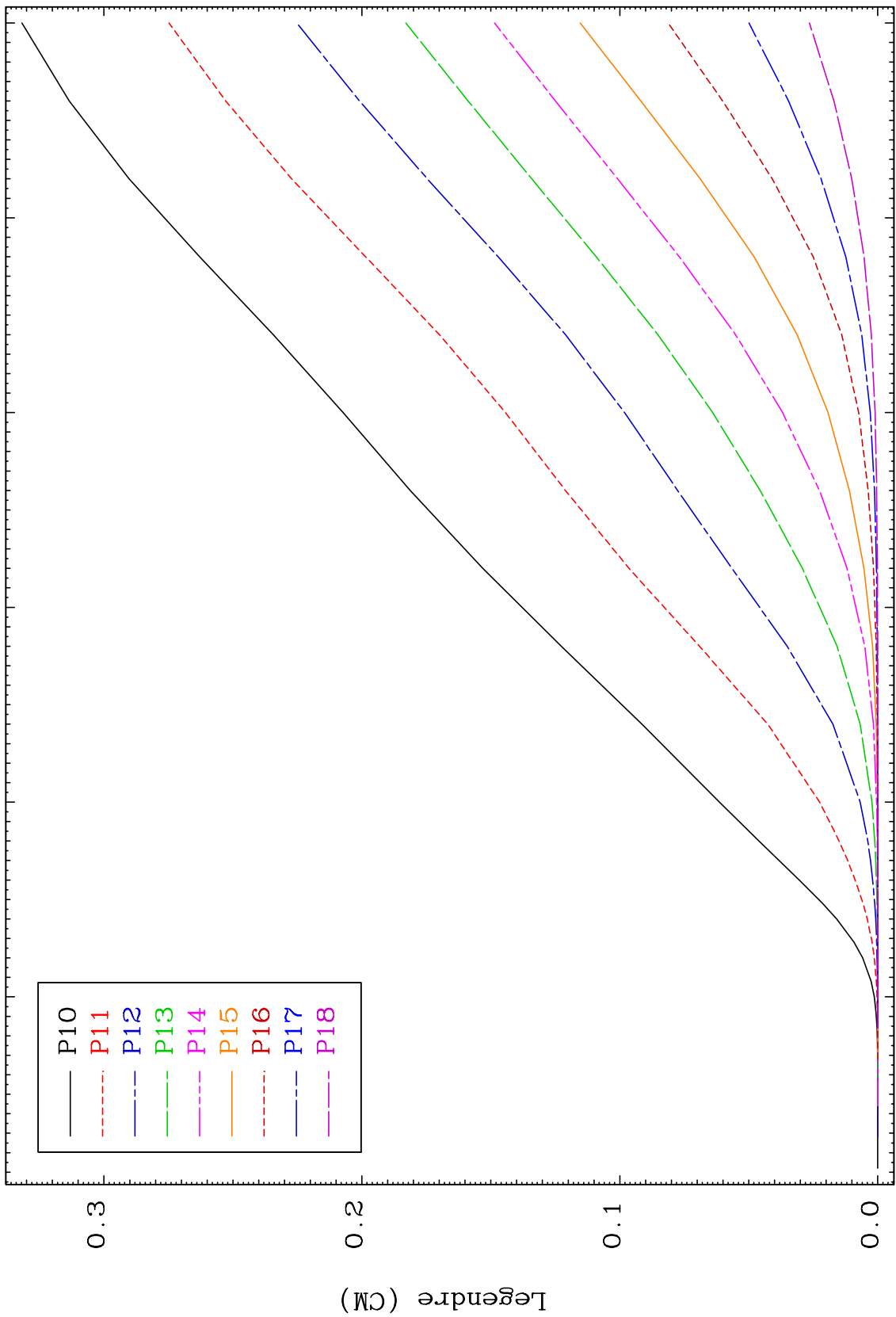
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



17

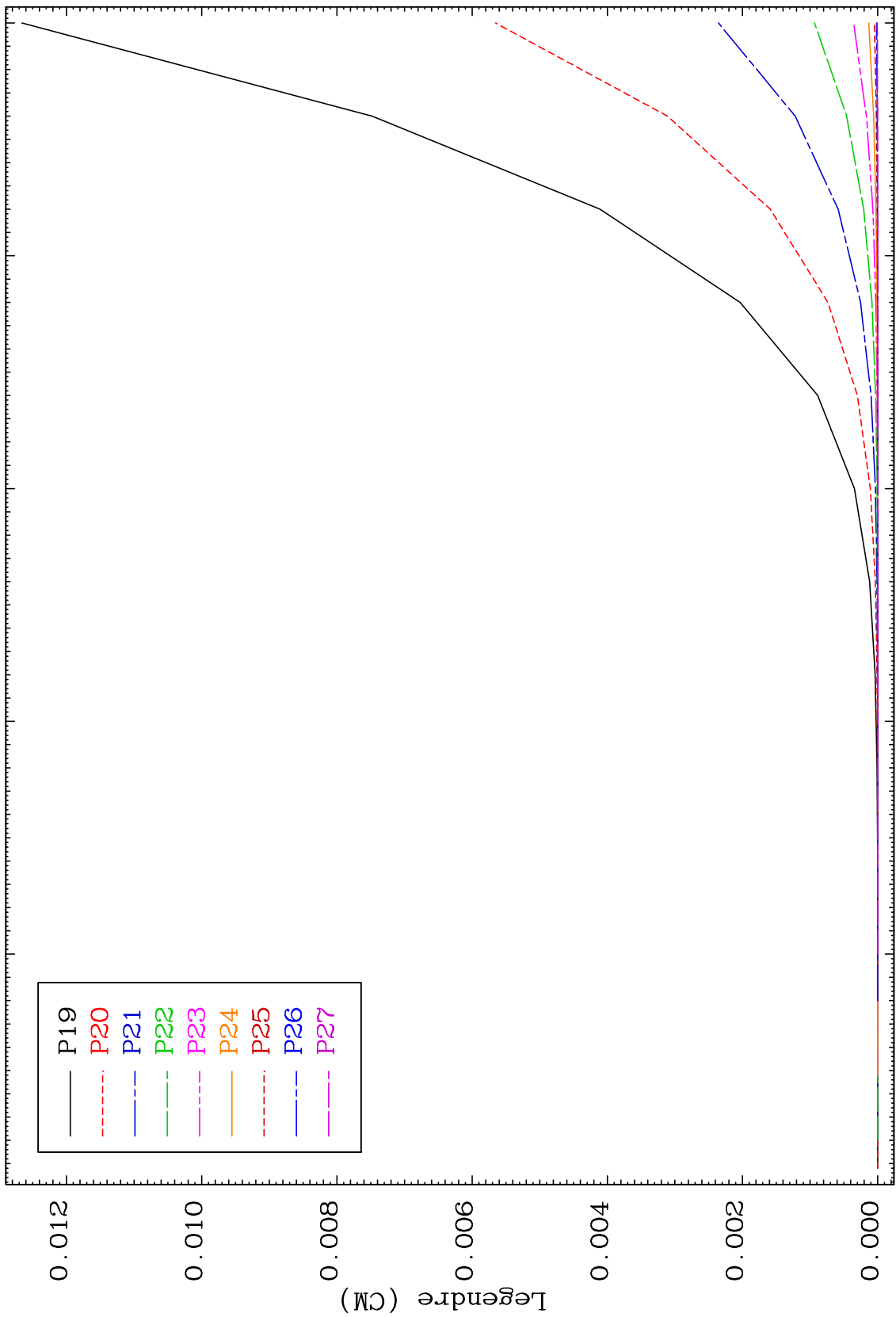
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic Legendre Coefficients

61-Pm-143



18

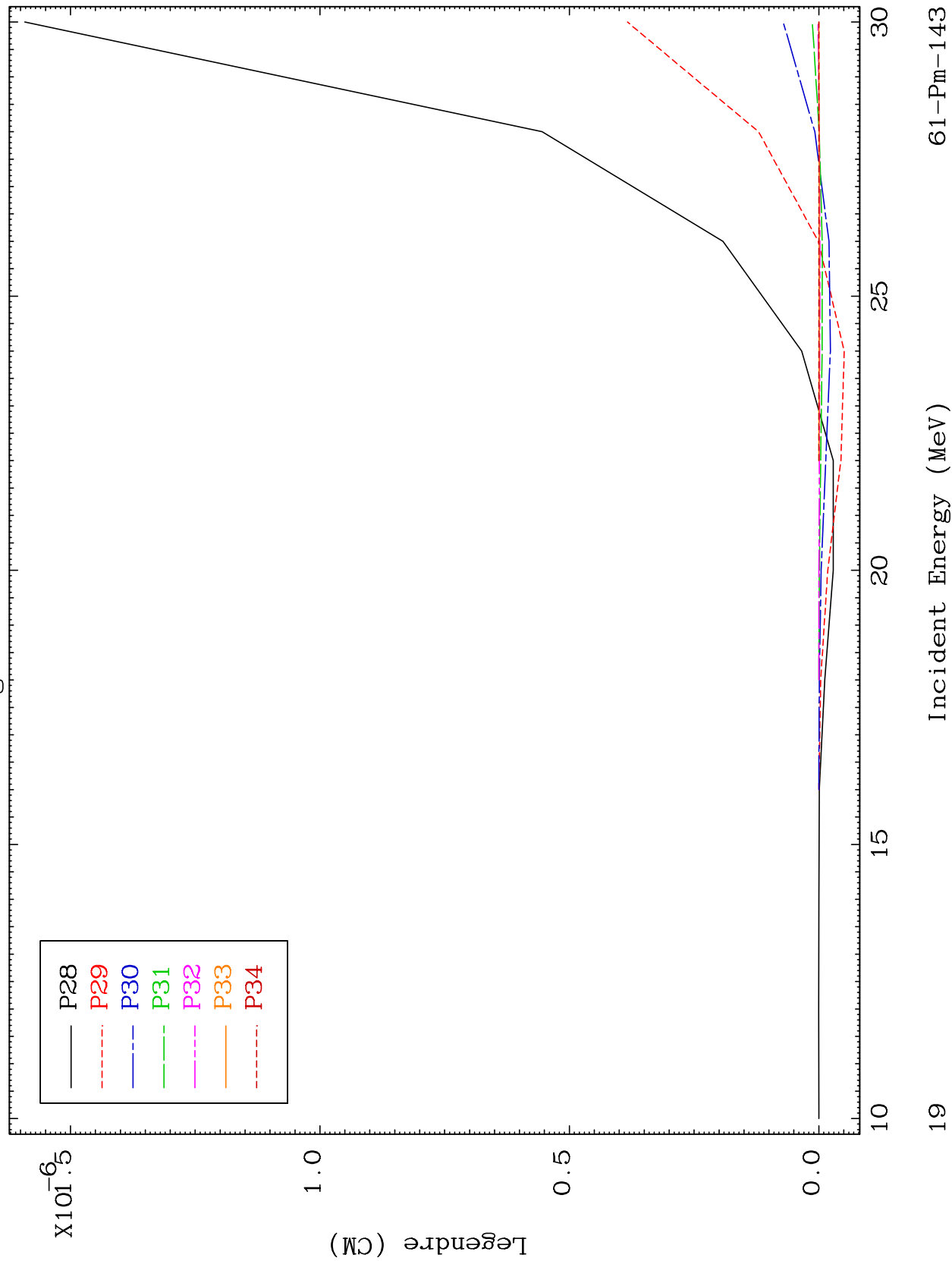
Incident Energy (MeV)

61-Pm-143

MAT 6137

Elastic
Legendre Coefficients

61-Pm-143

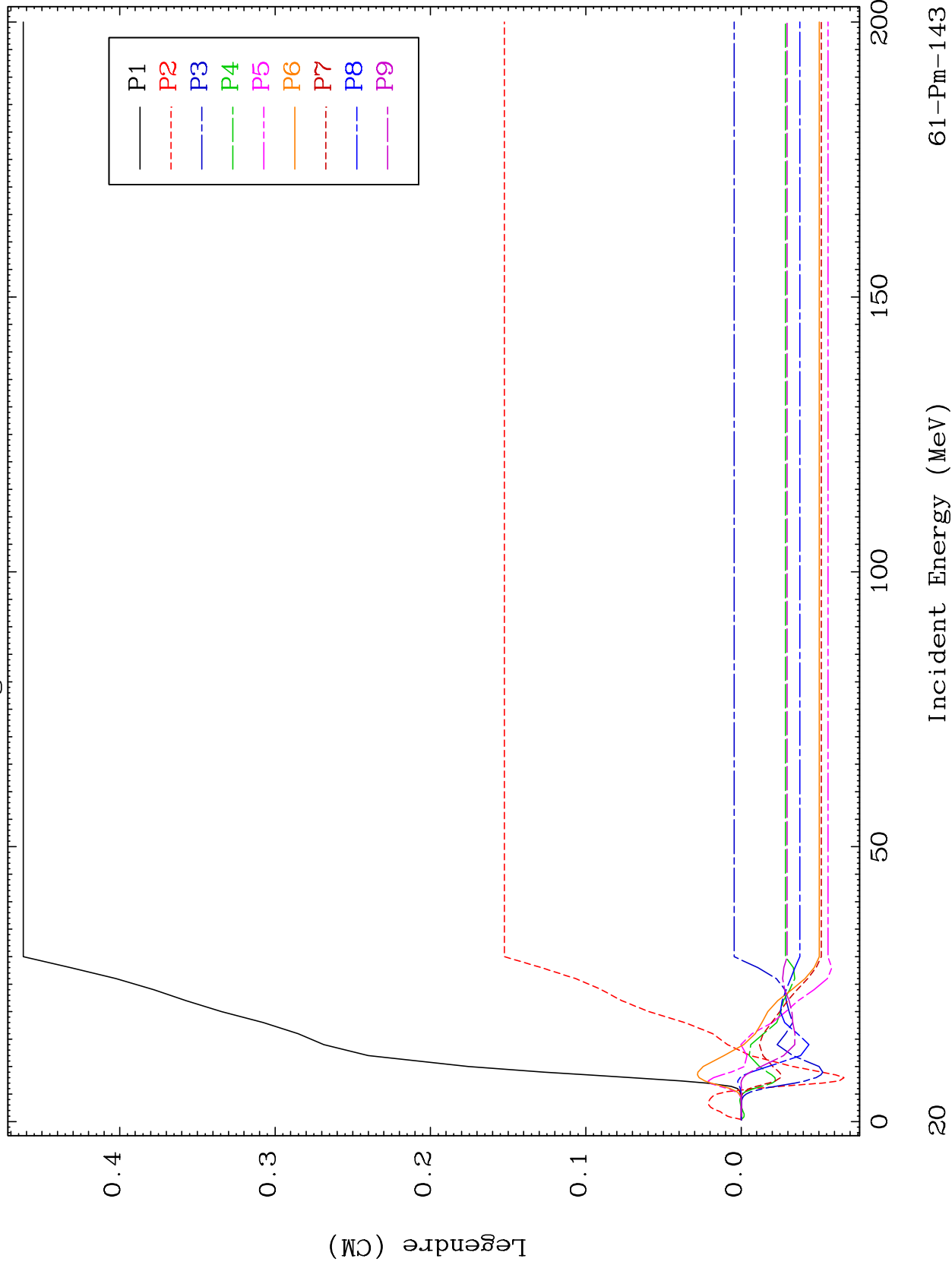


- P28
- P29
- P30
- P31
- P32
- P33
- P34

MAT 6137

272.0 keV (n,n') Level
Legendre Coefficients

61-Pm-143

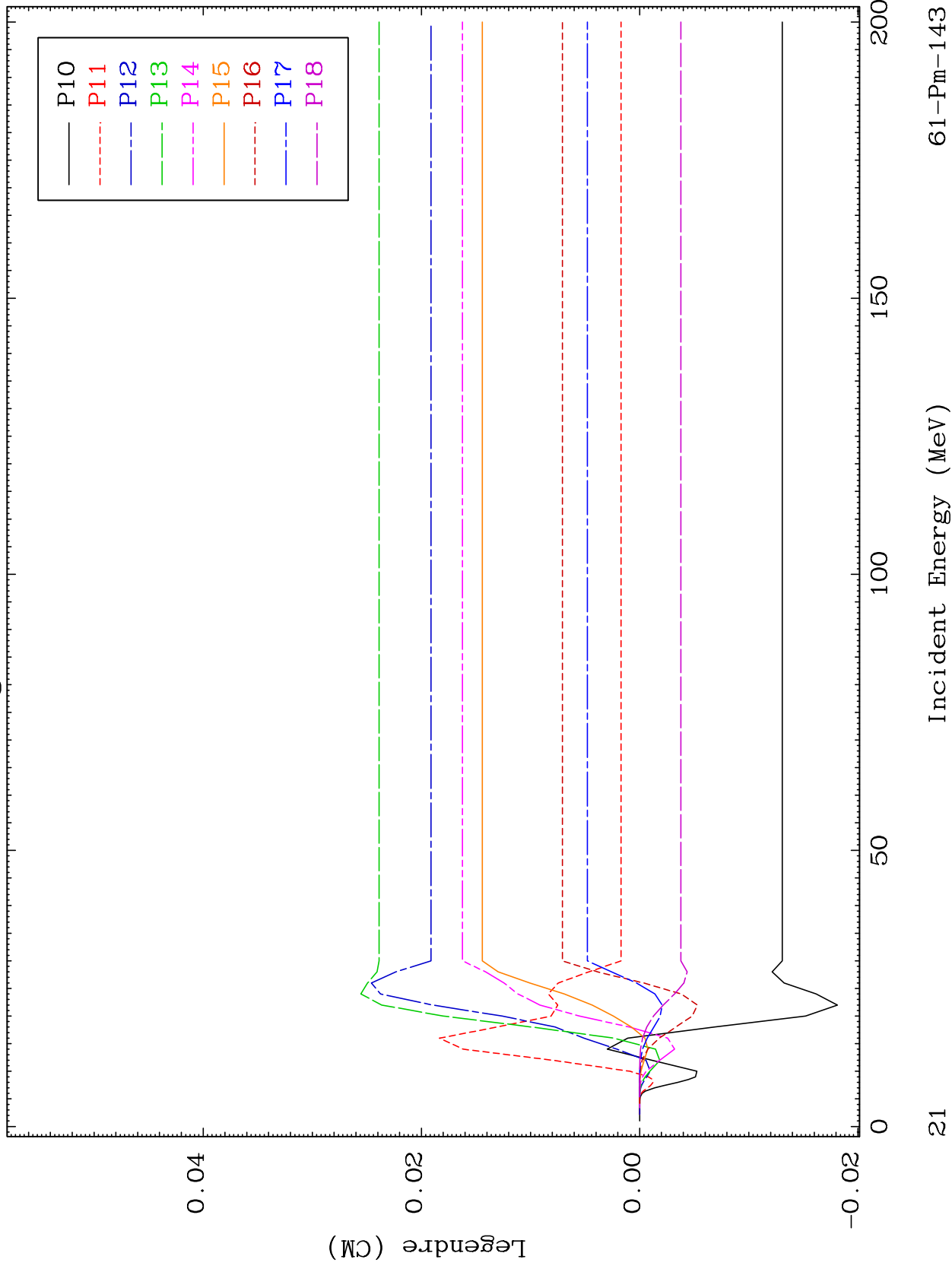


61-Pm-143

MAT 6137

272.0 keV (n,n') Level
Legendre Coefficients

61-Pm-143



21

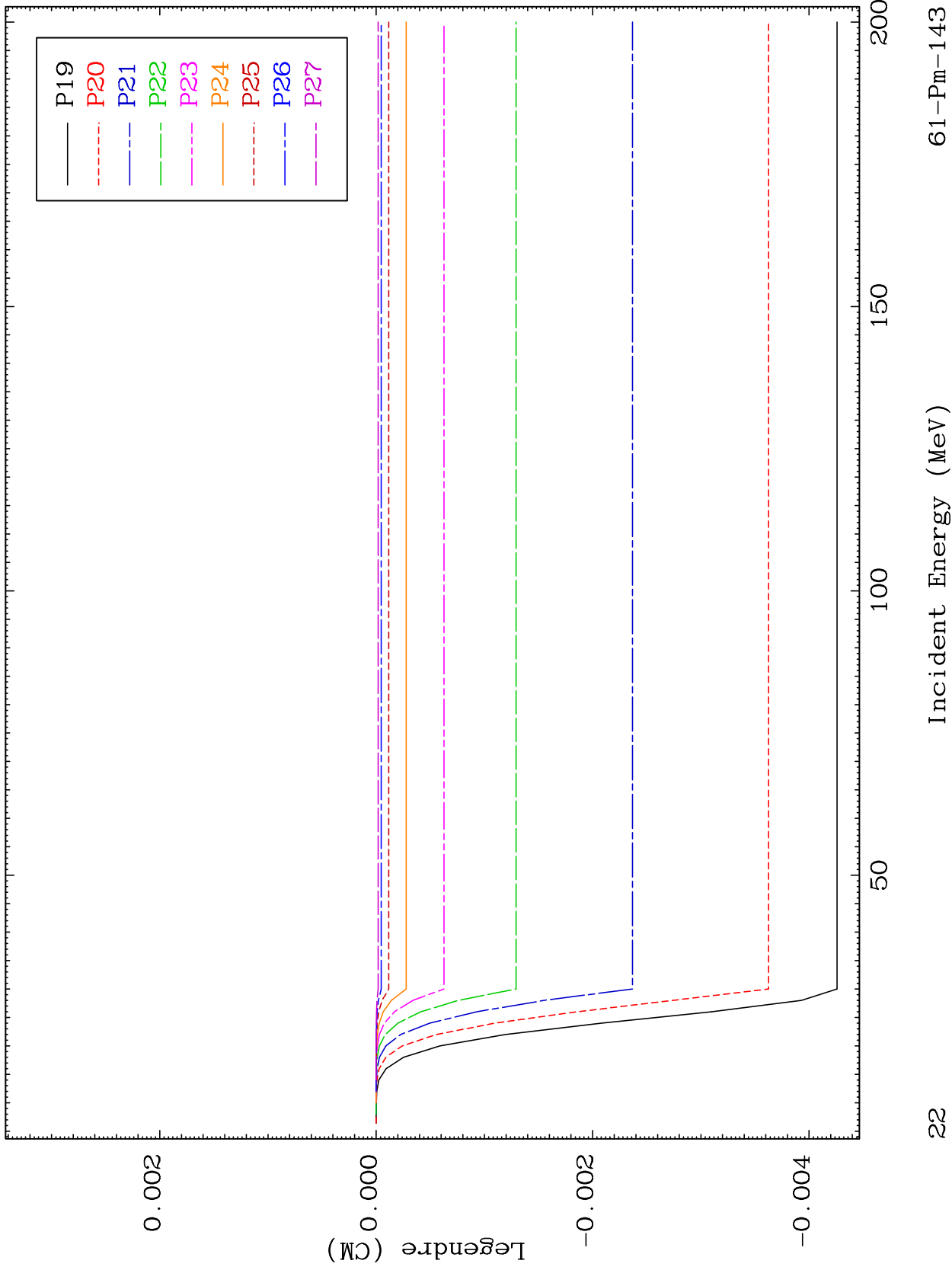
Incident Energy (MeV)

61-Pm-143

MAT 6137

272.0 keV (n,n') Level
Legendre Coefficients

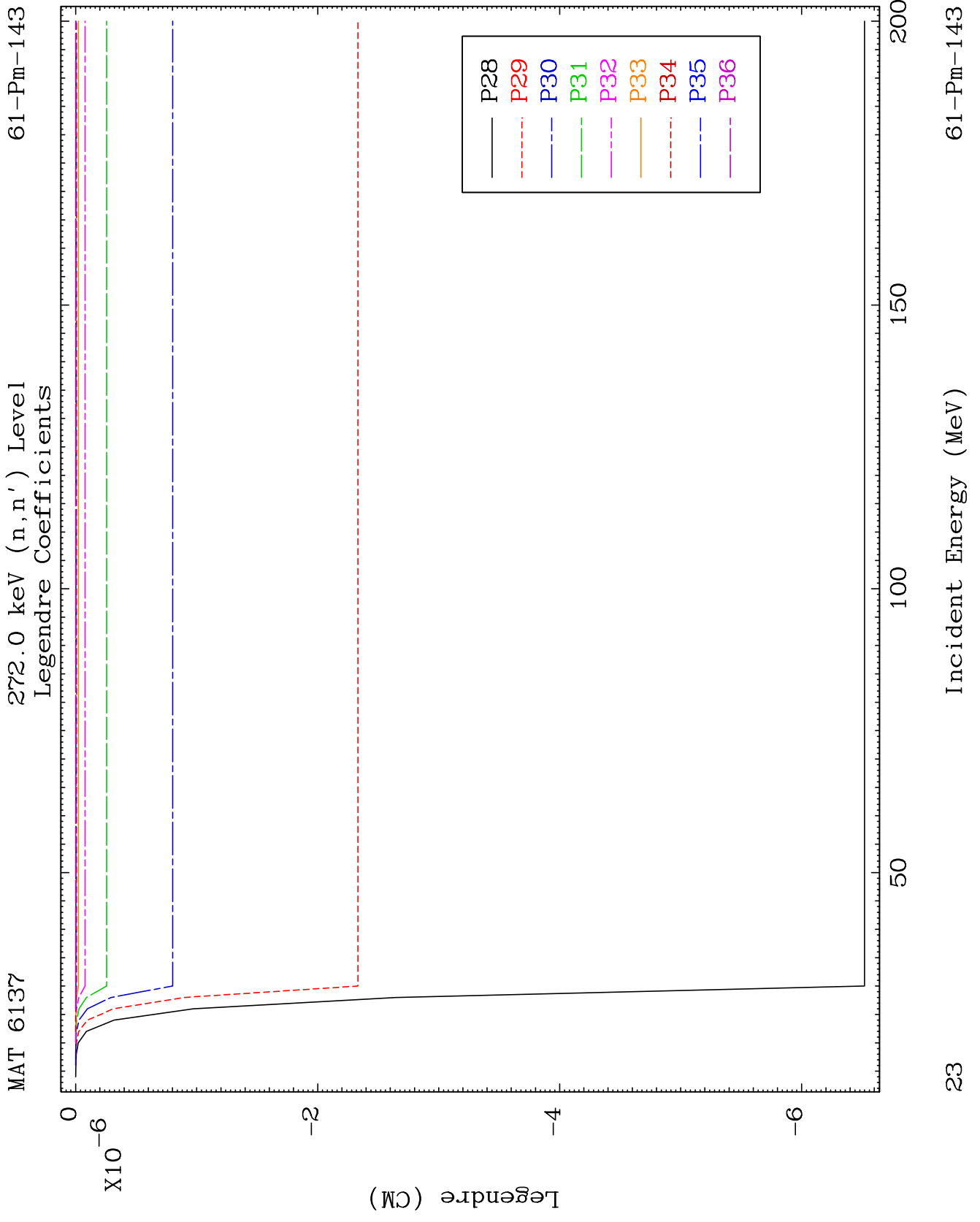
61-Pm-143



61-Pm-143

Incident Energy (MeV)

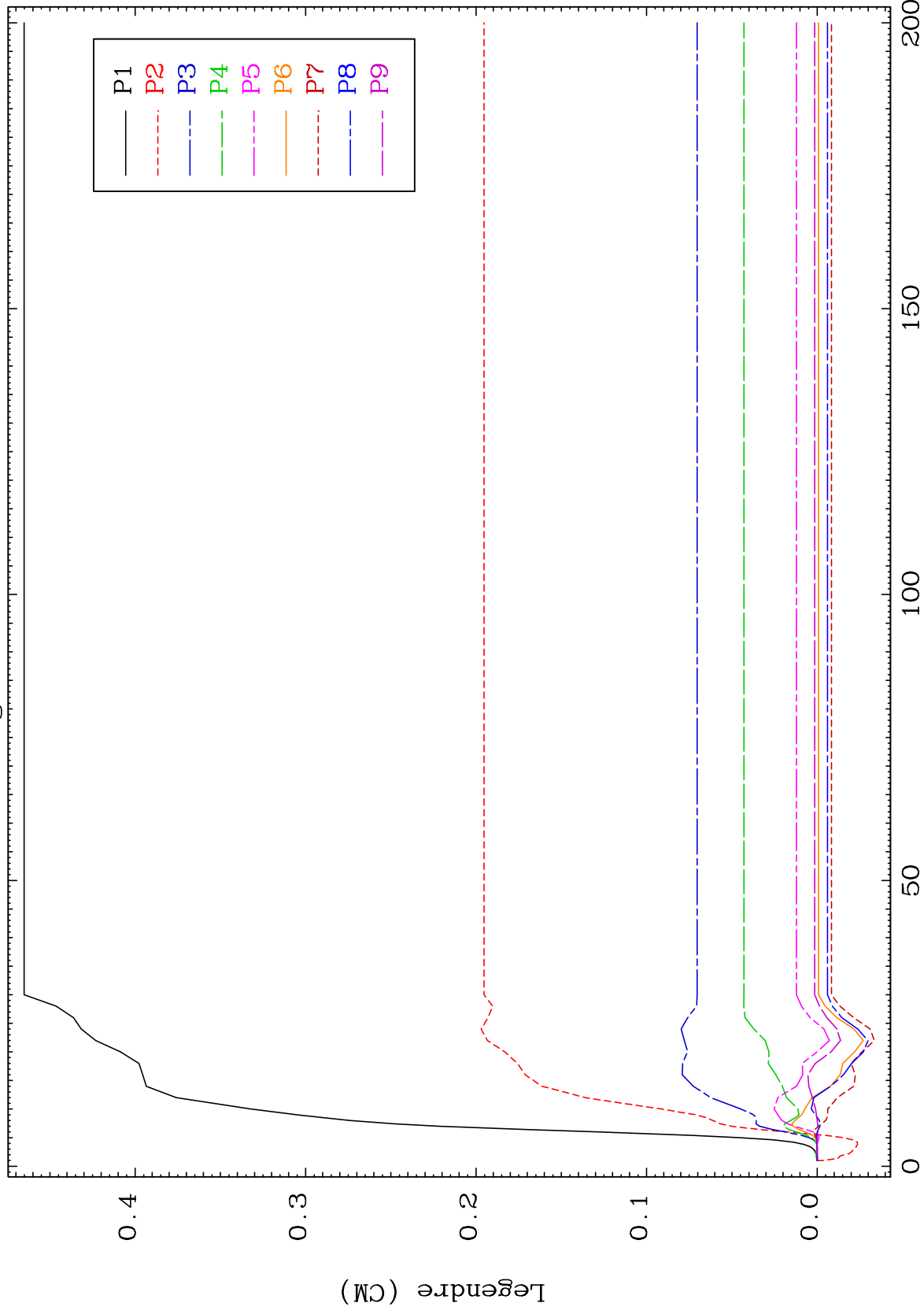
22



MAT 6137

959.7 keV (n,n') Level
Legendre Coefficients

61-Pm-143



24

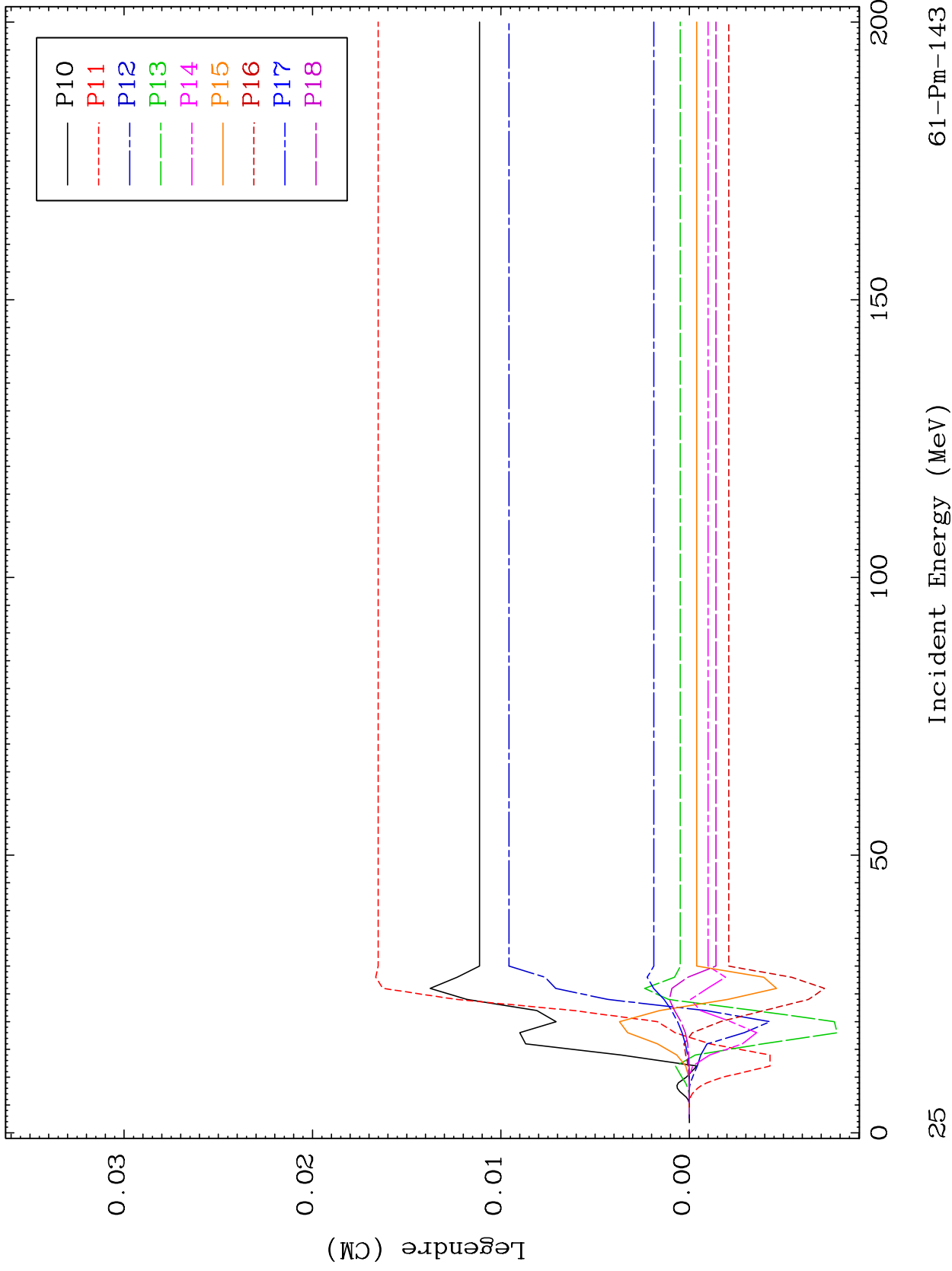
Incident Energy (MeV)

61-Pm-143

MAT 6137

959.7 keV (n,n') Level
Legendre Coefficients

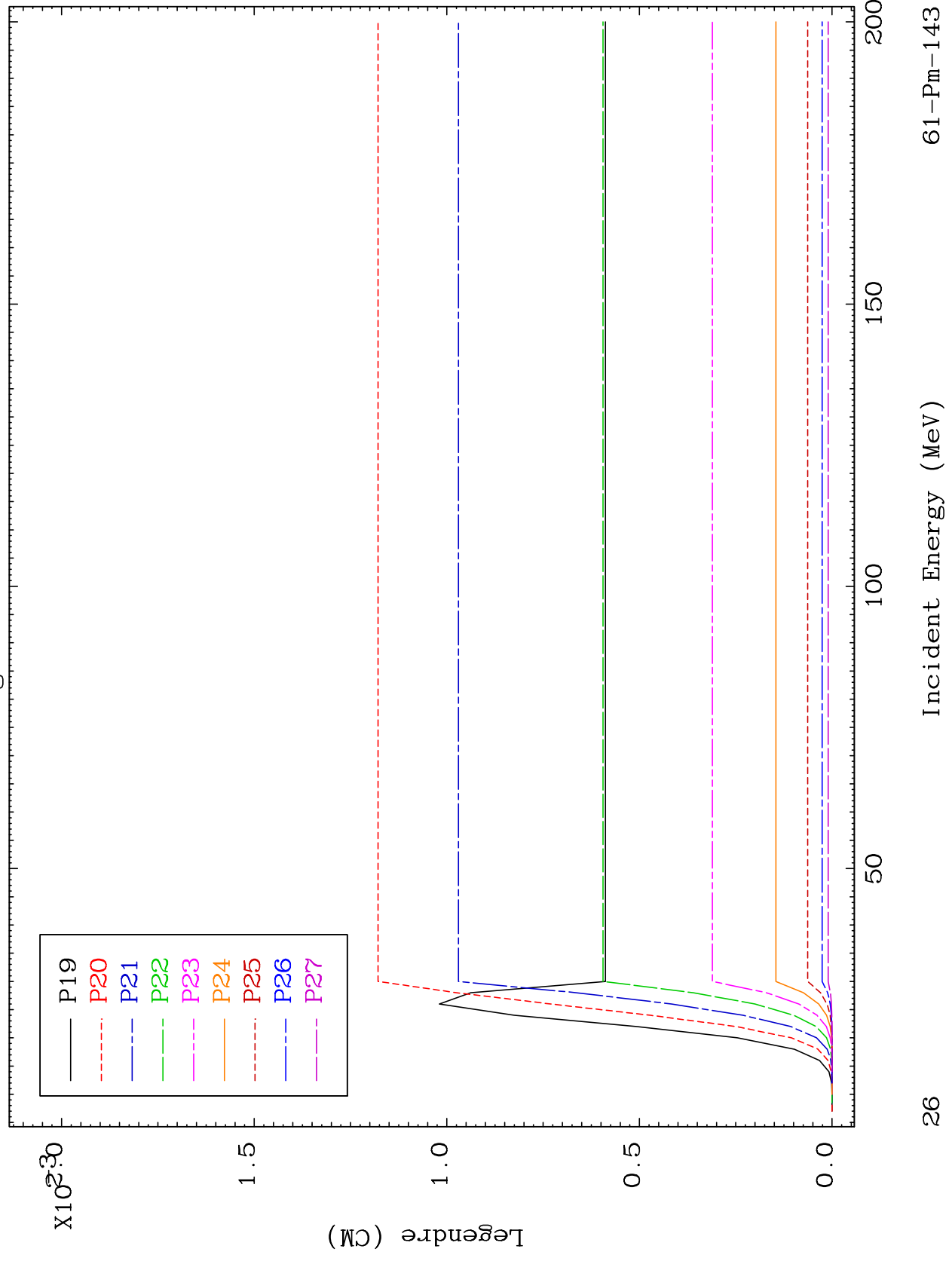
61-Pm-143



61-Pm-143

Incident Energy (MeV)

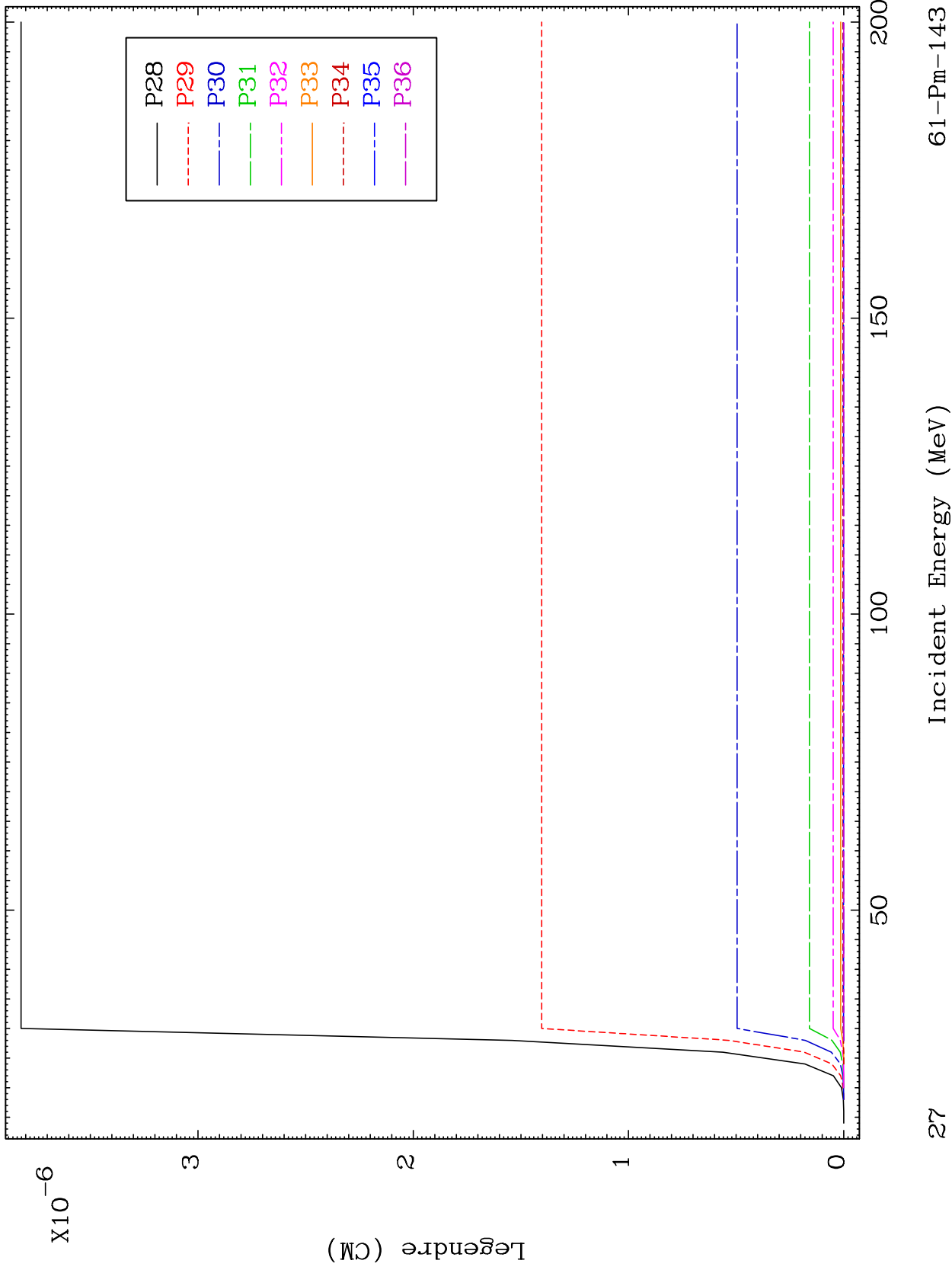
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MAT 6137

959.7 keV (n,n') Level
Legendre Coefficients

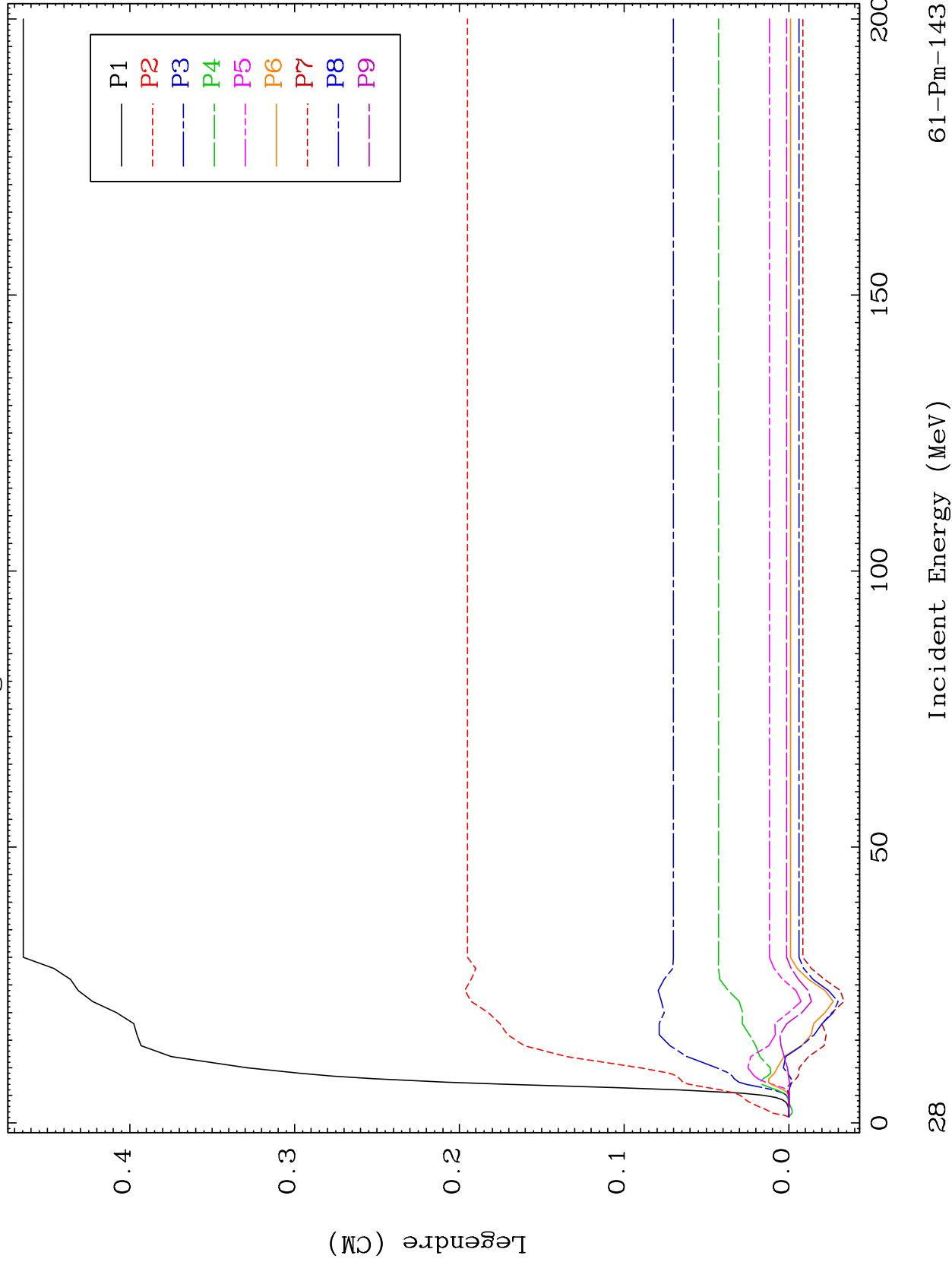
61-Pm-143



MAT 6137

1.057 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

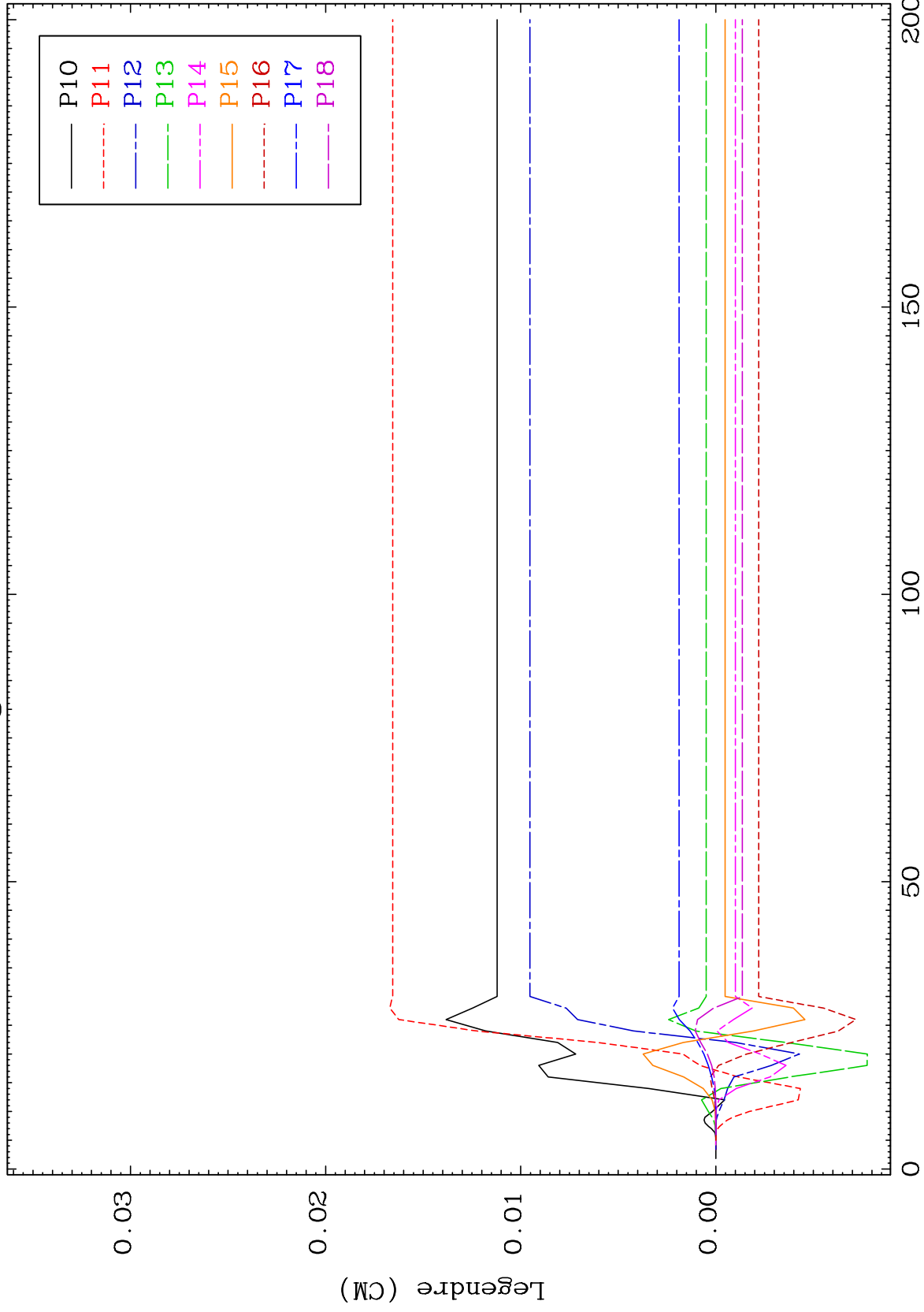
Incident Energy (MeV)

28

MAT 6137

1.057 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



29

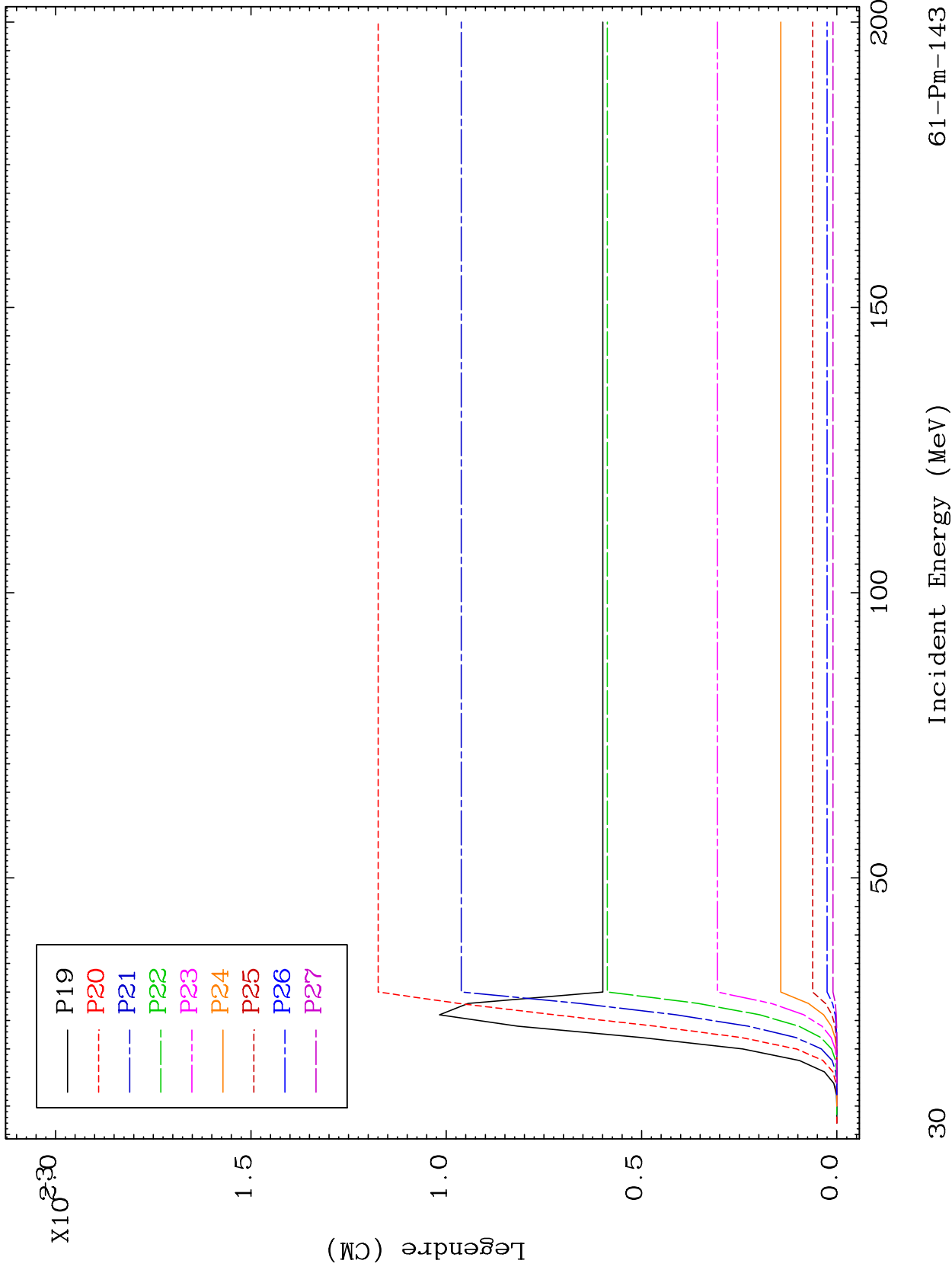
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.057 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



30

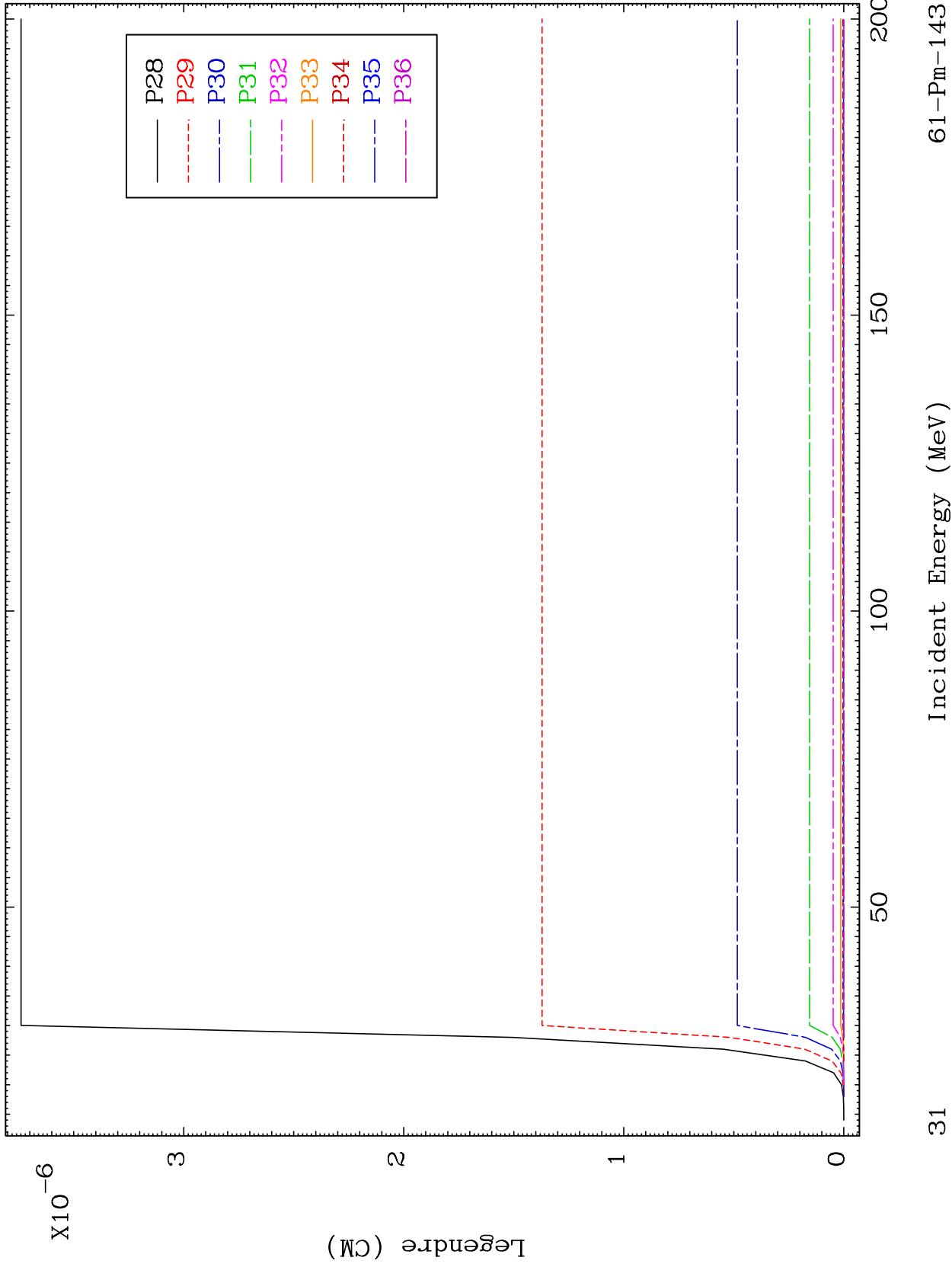
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.057 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



31

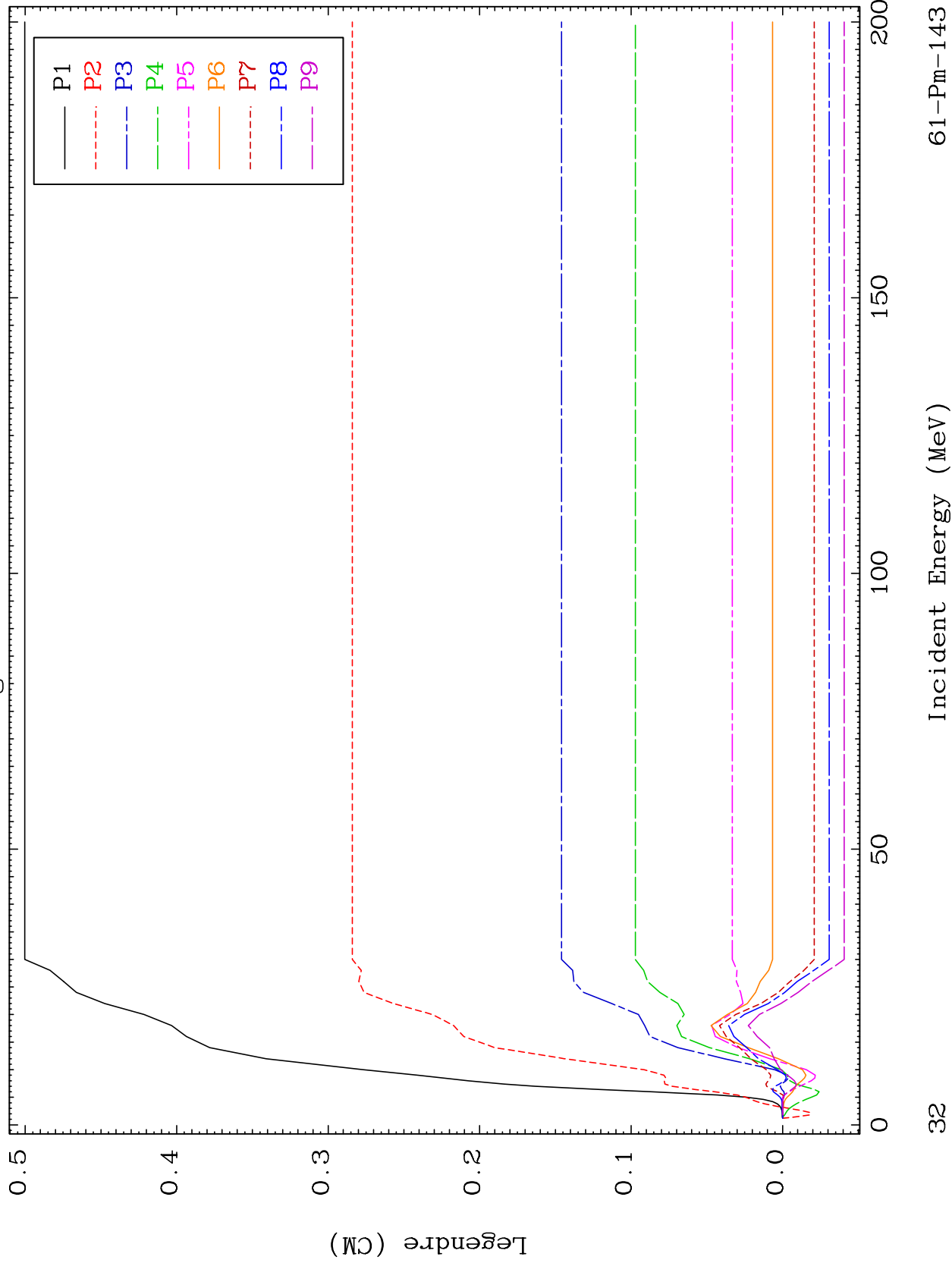
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.173 MeV (n,n') Level
Legendre Coefficients

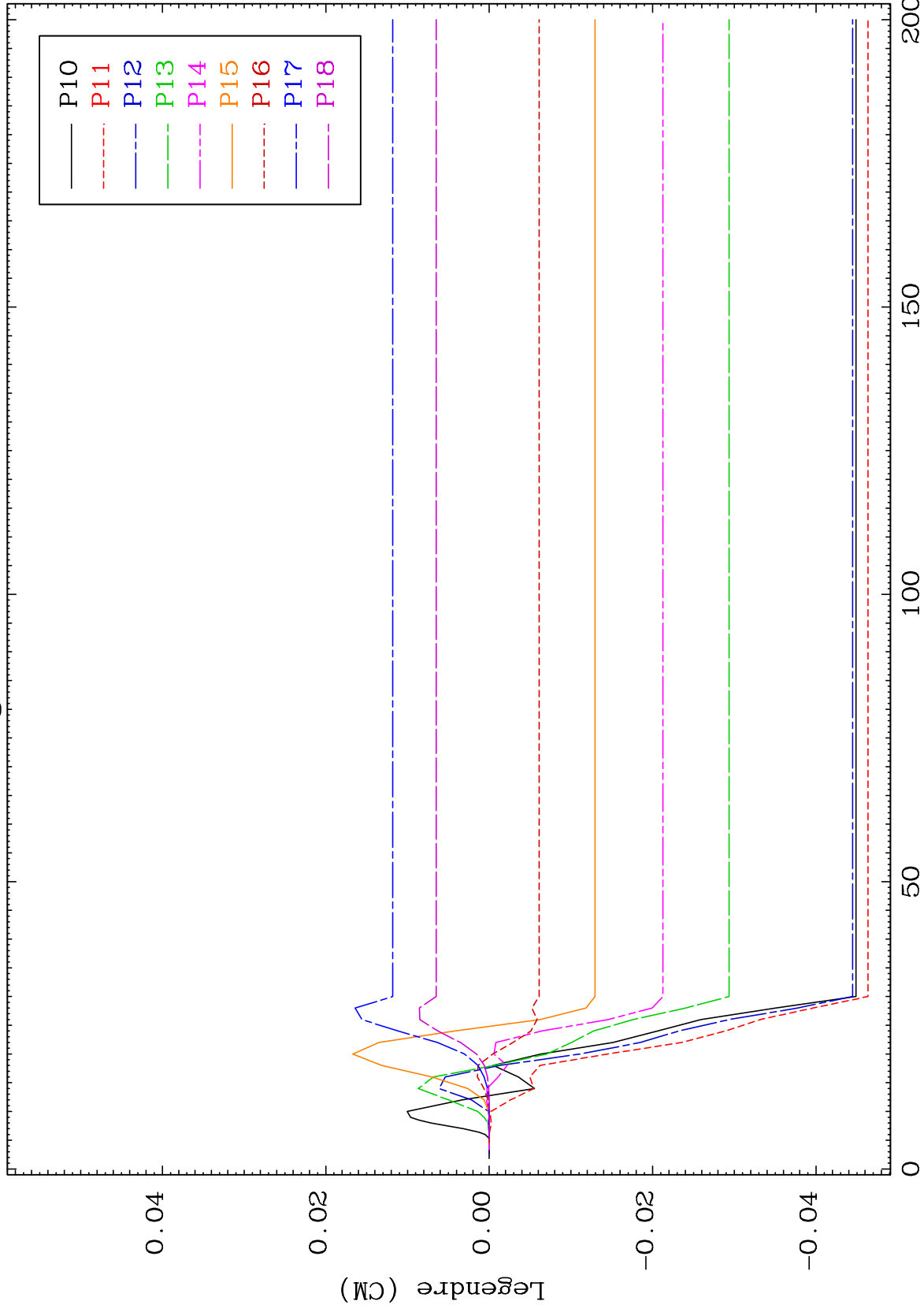
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MAT 6137

1.173 MeV (n,n') Level
Legendre Coefficients

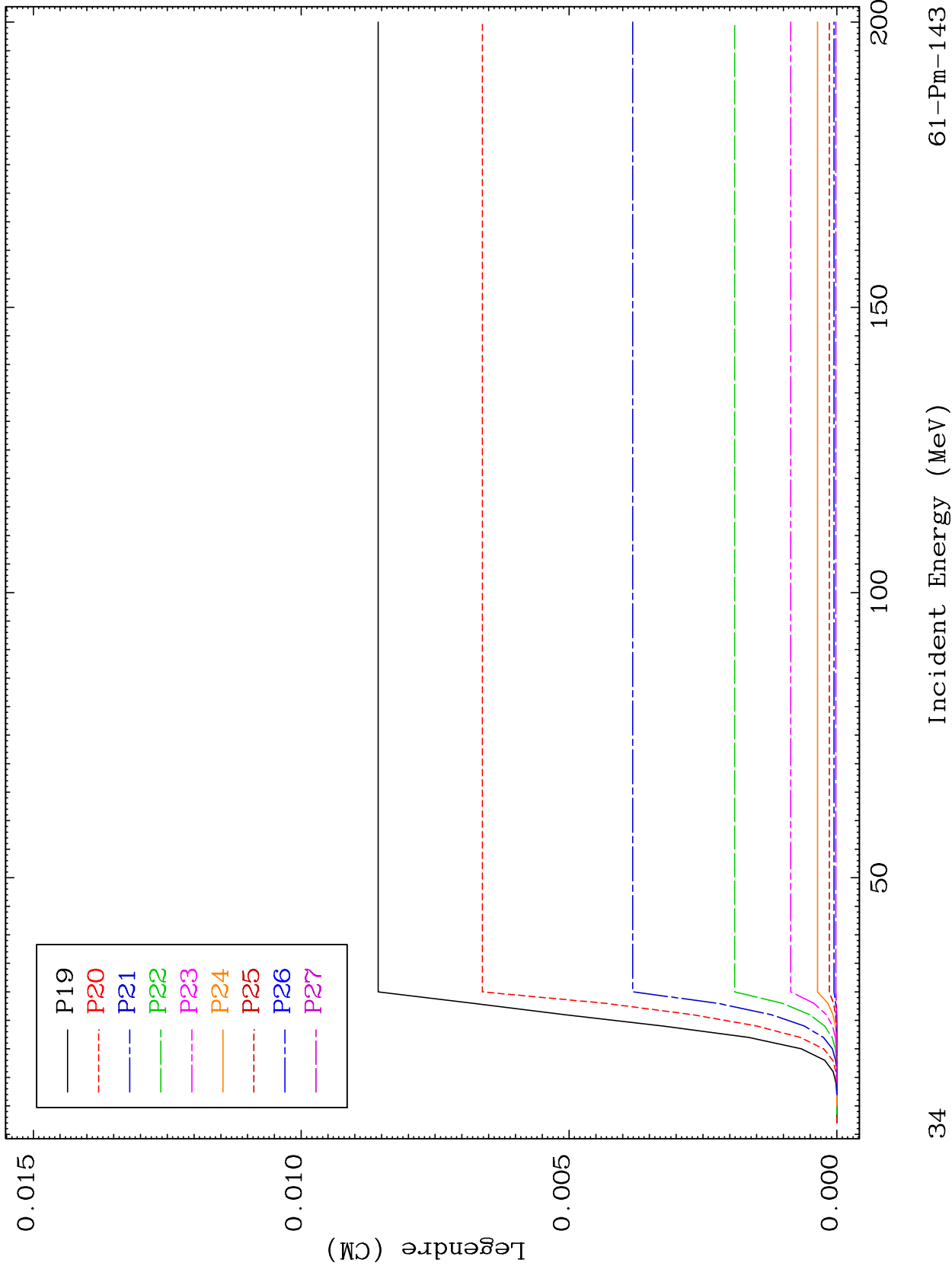
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33

Incident Energy (MeV)

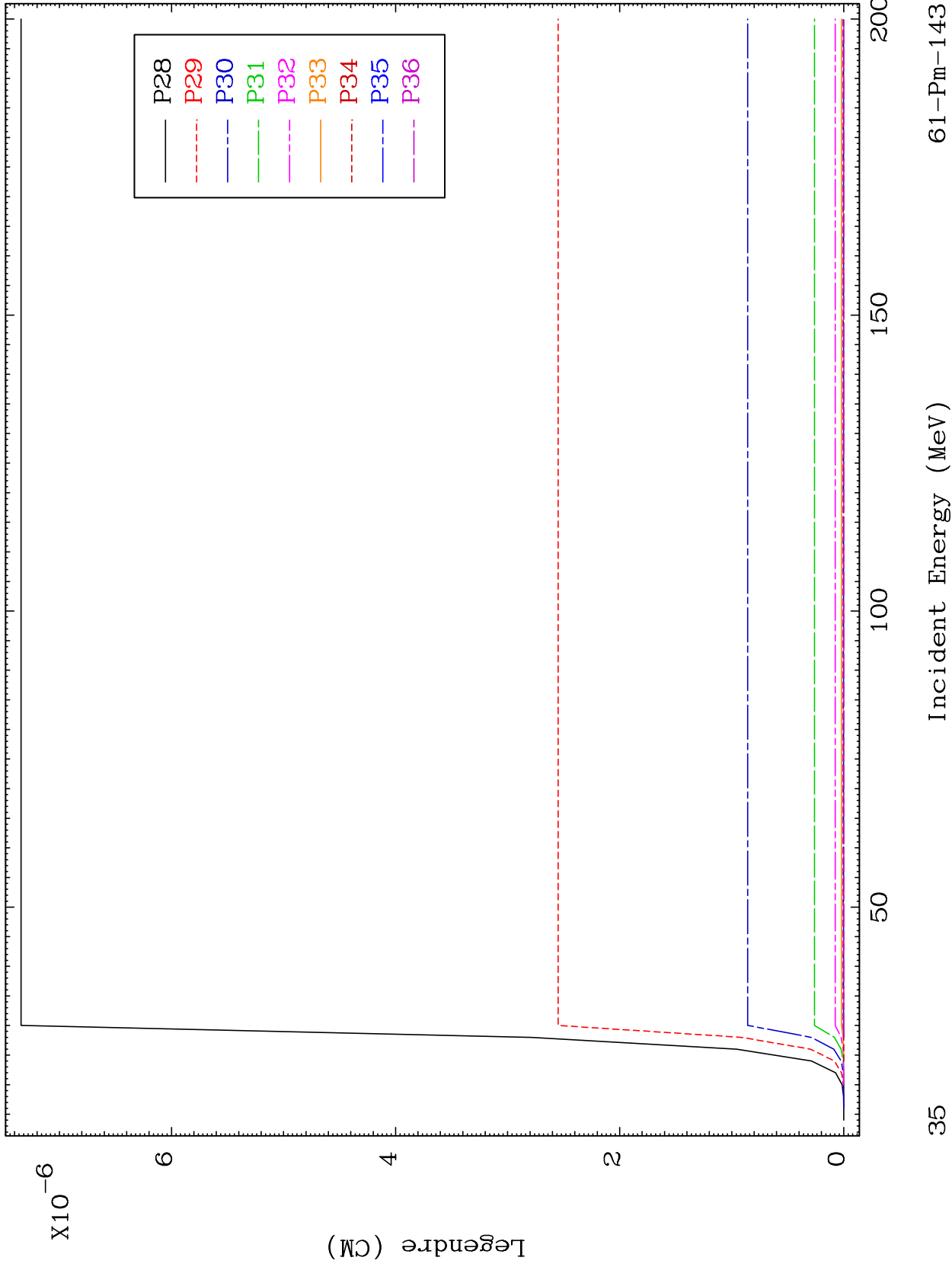
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MAT 6137

1.173 MeV (n,n') Level
Legendre Coefficients

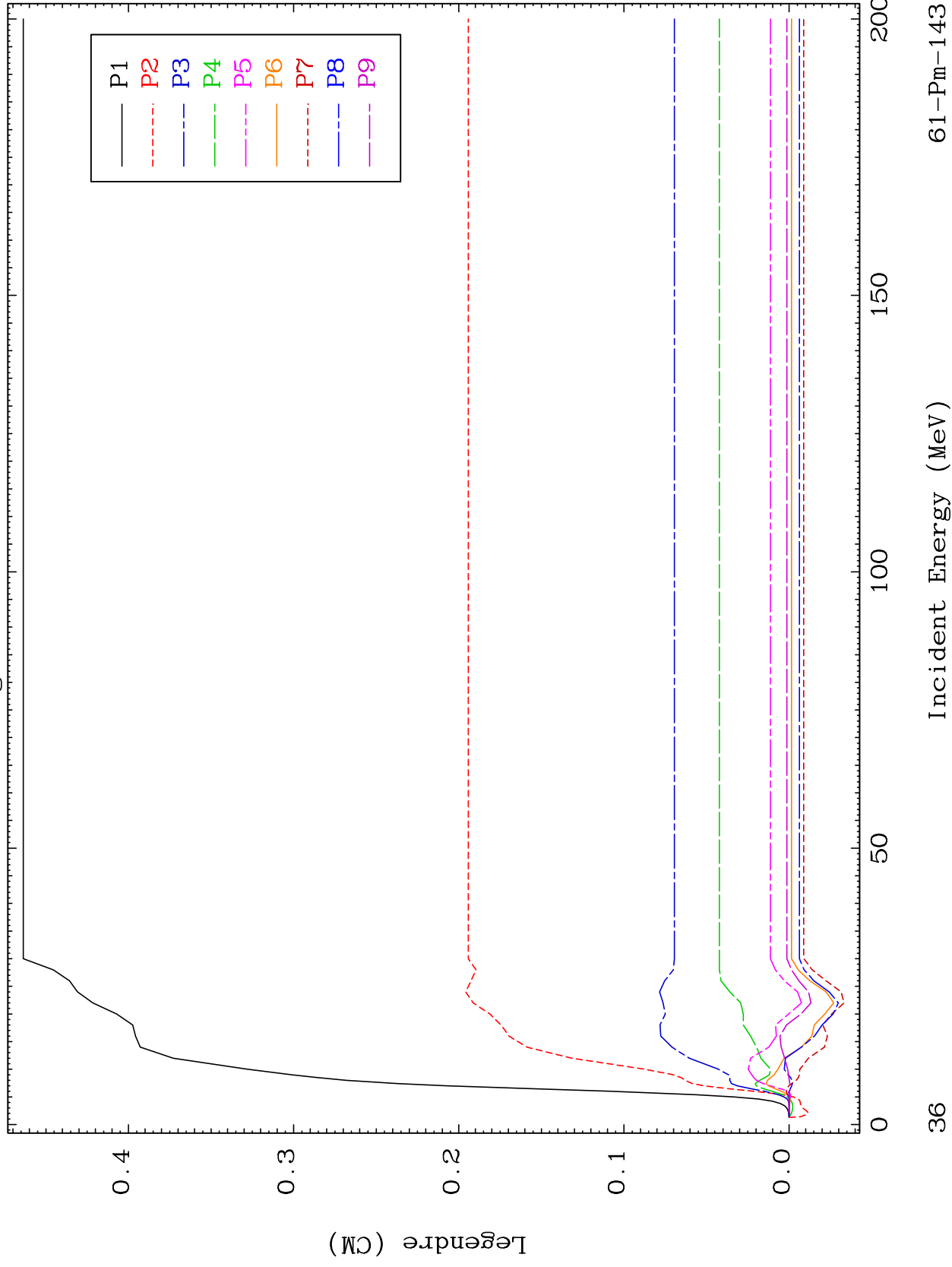
61-Pm-143



MAT 6137

1.260 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

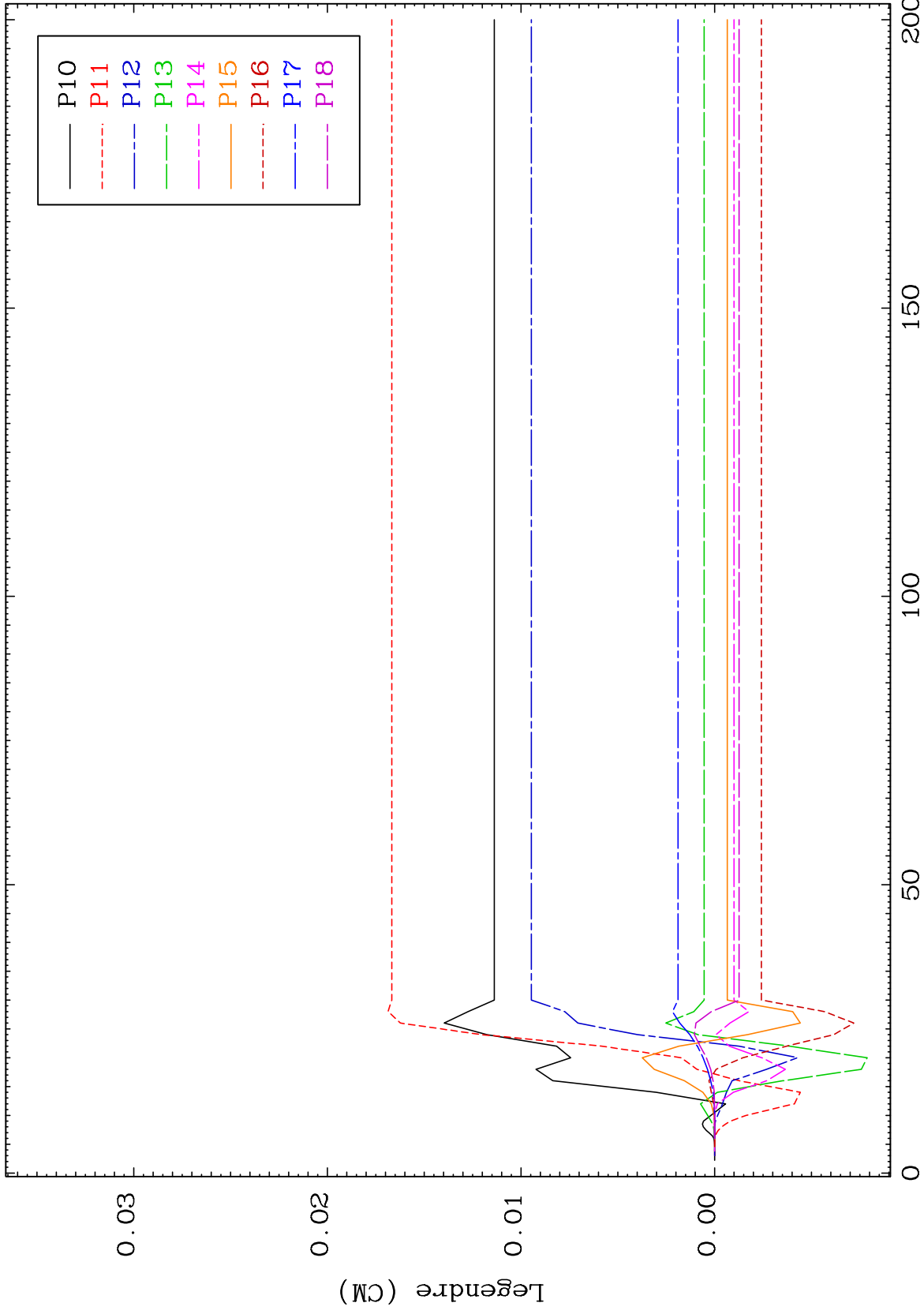
Incident Energy (MeV)

36

MAT 6137

1.260 MeV (n,n') Level
Legendre Coefficients

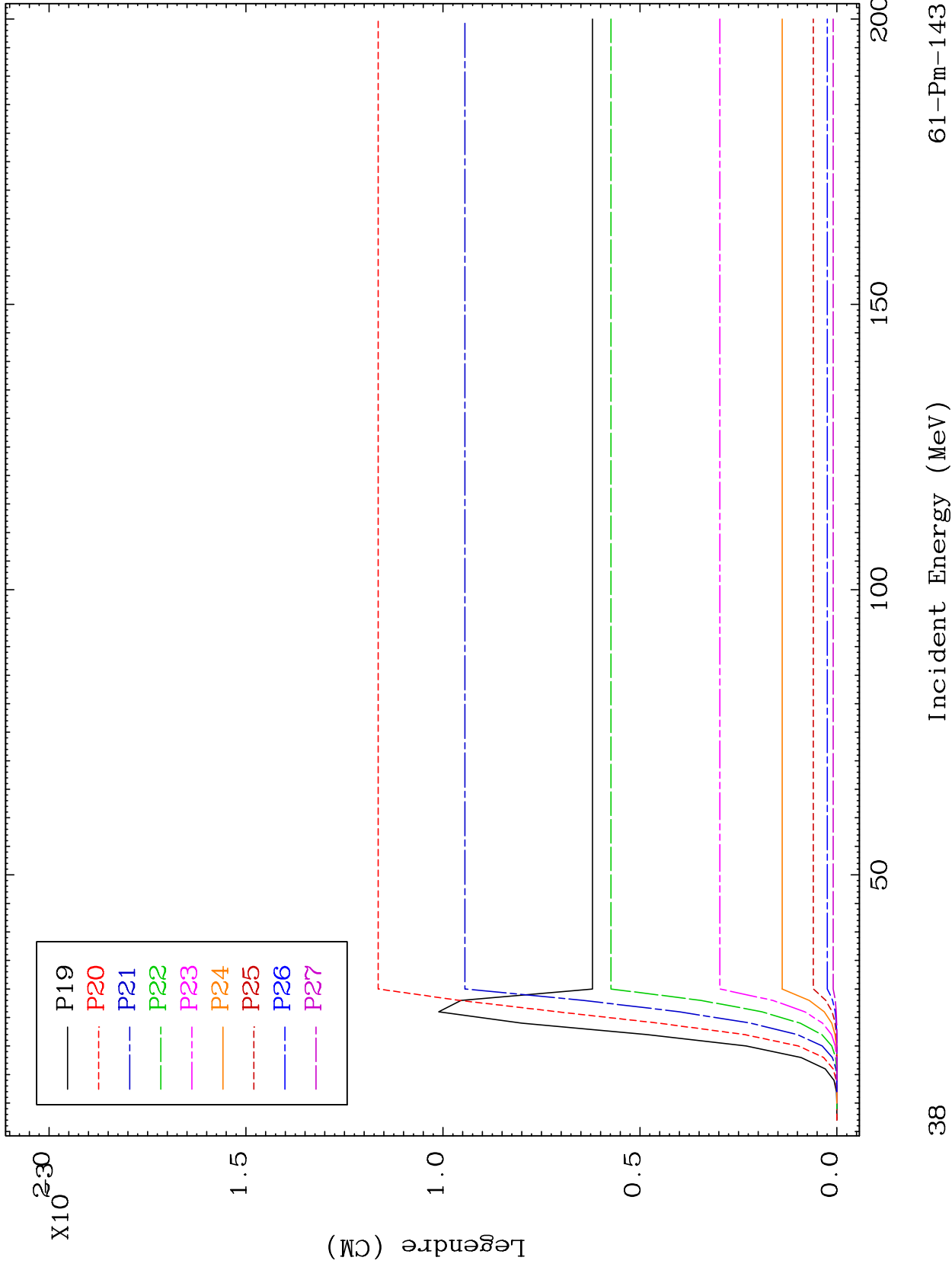
61-Pm-143



37

Incident Energy (MeV)

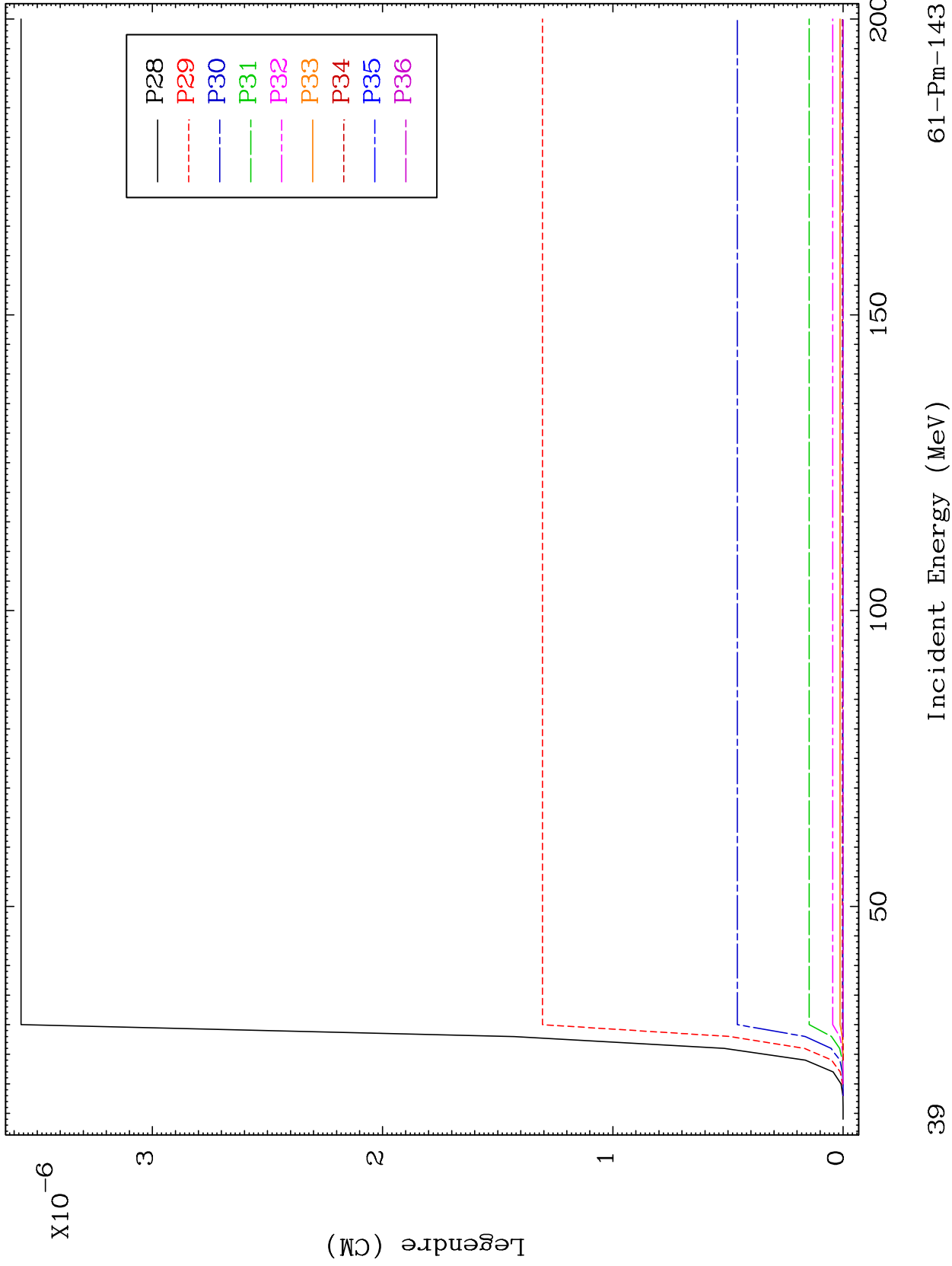
61-Pm-143



MAT 6137

1.260 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



39

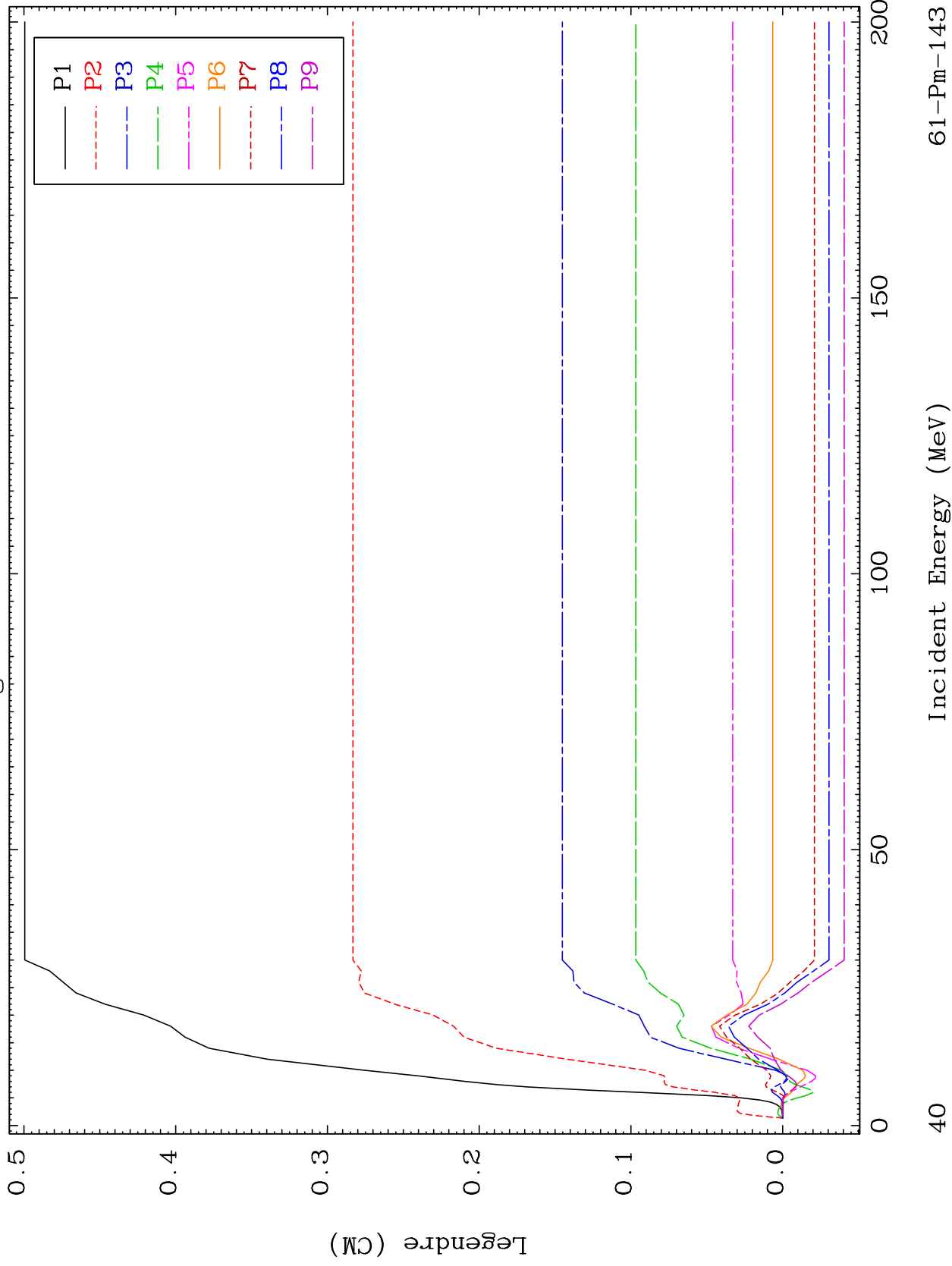
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.286 MeV (n,n') Level
Legendre Coefficients

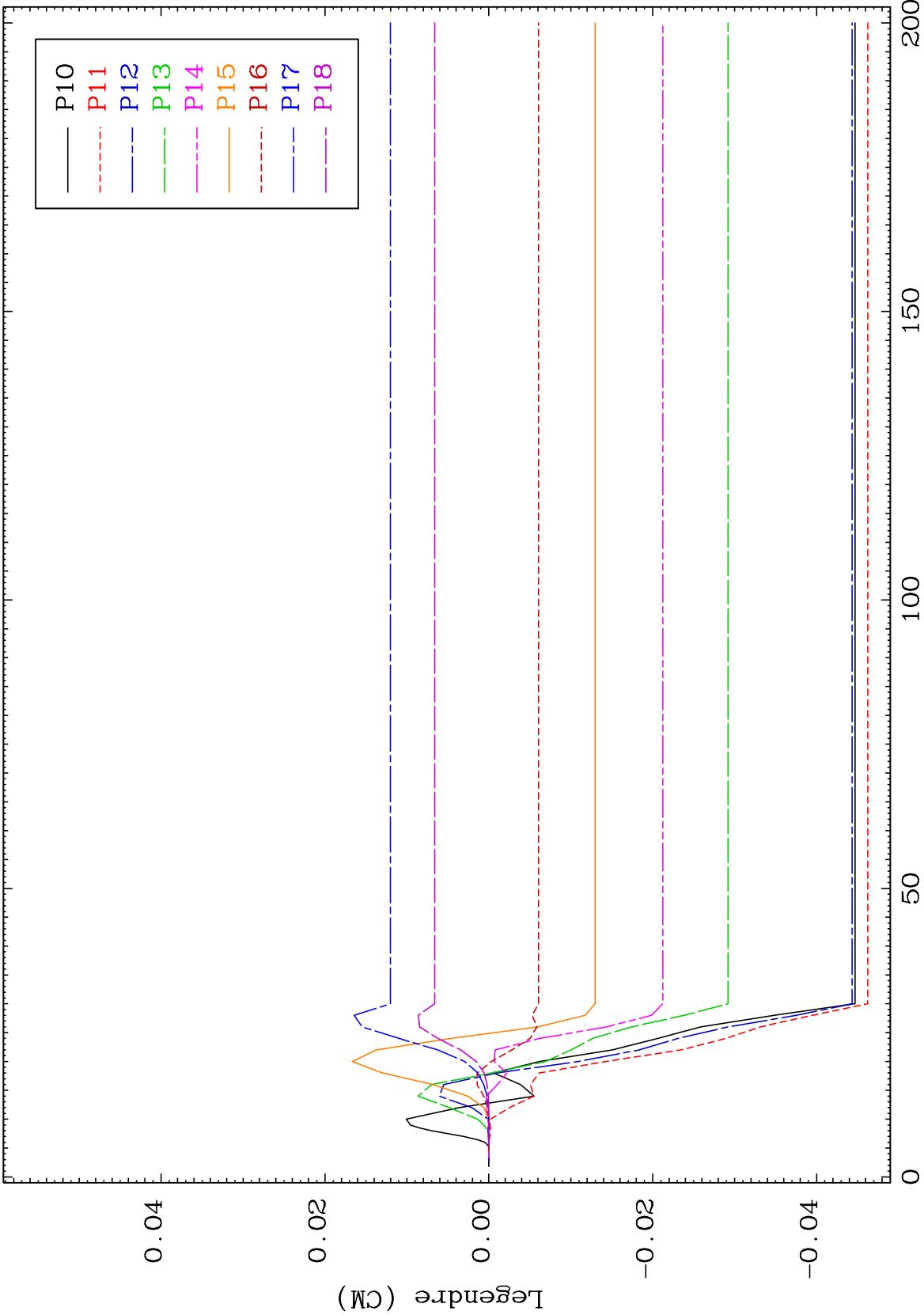
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MAT 6137

1.286 MeV (n,n') Level Legendre Coefficients

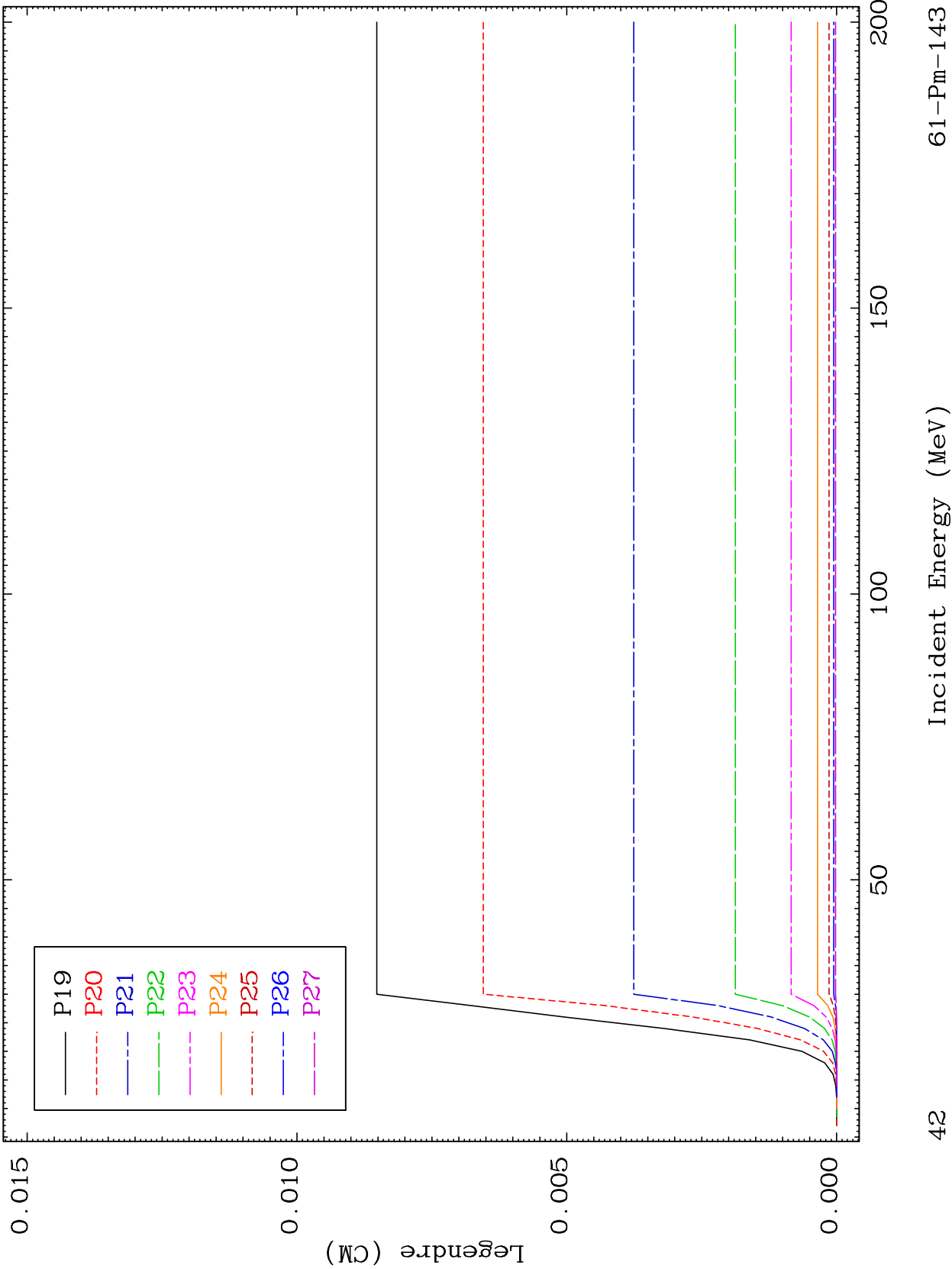
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41

Incident Energy (MeV)

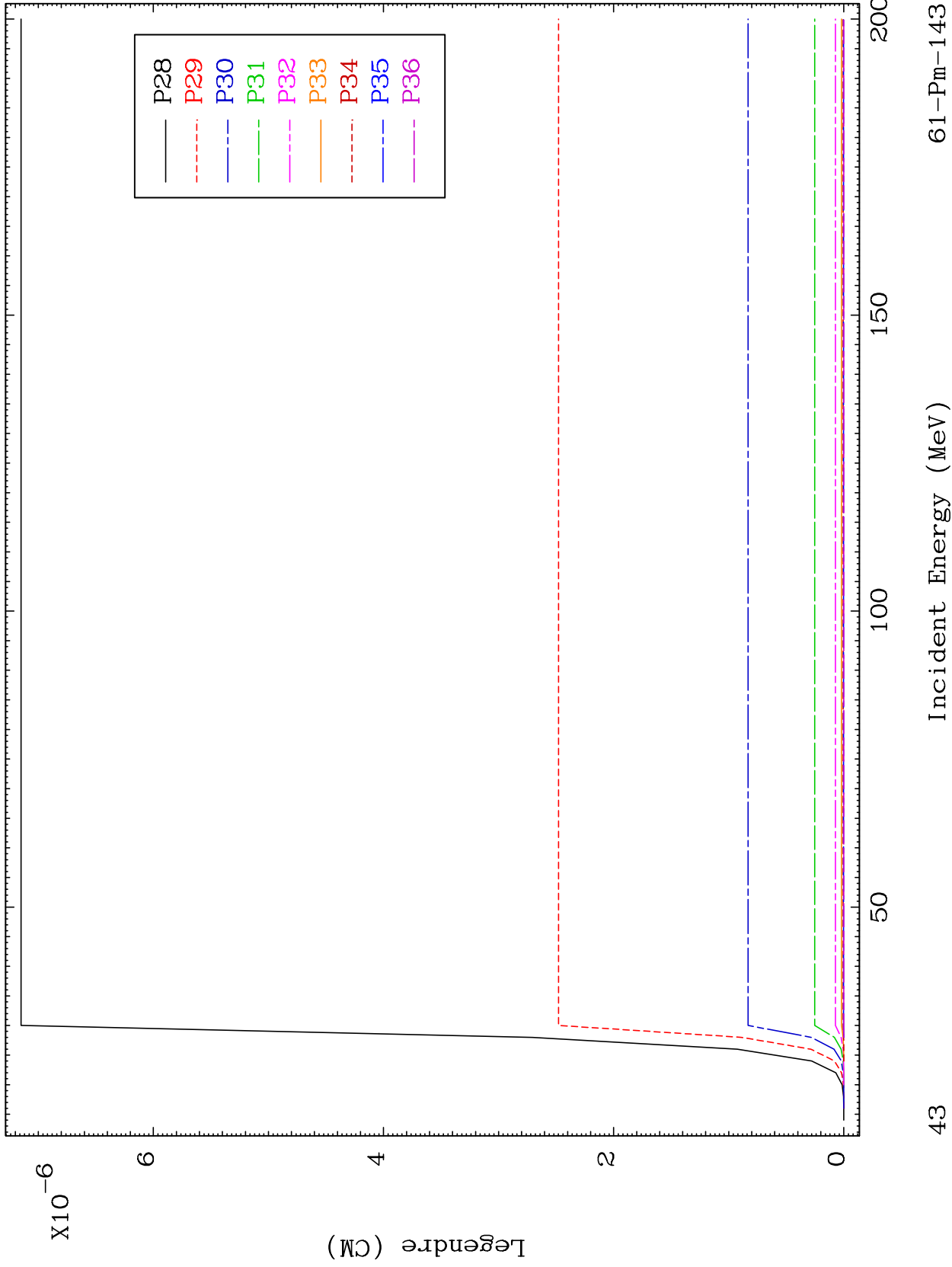
61-Pm-143



MAT 6137

1.286 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



43

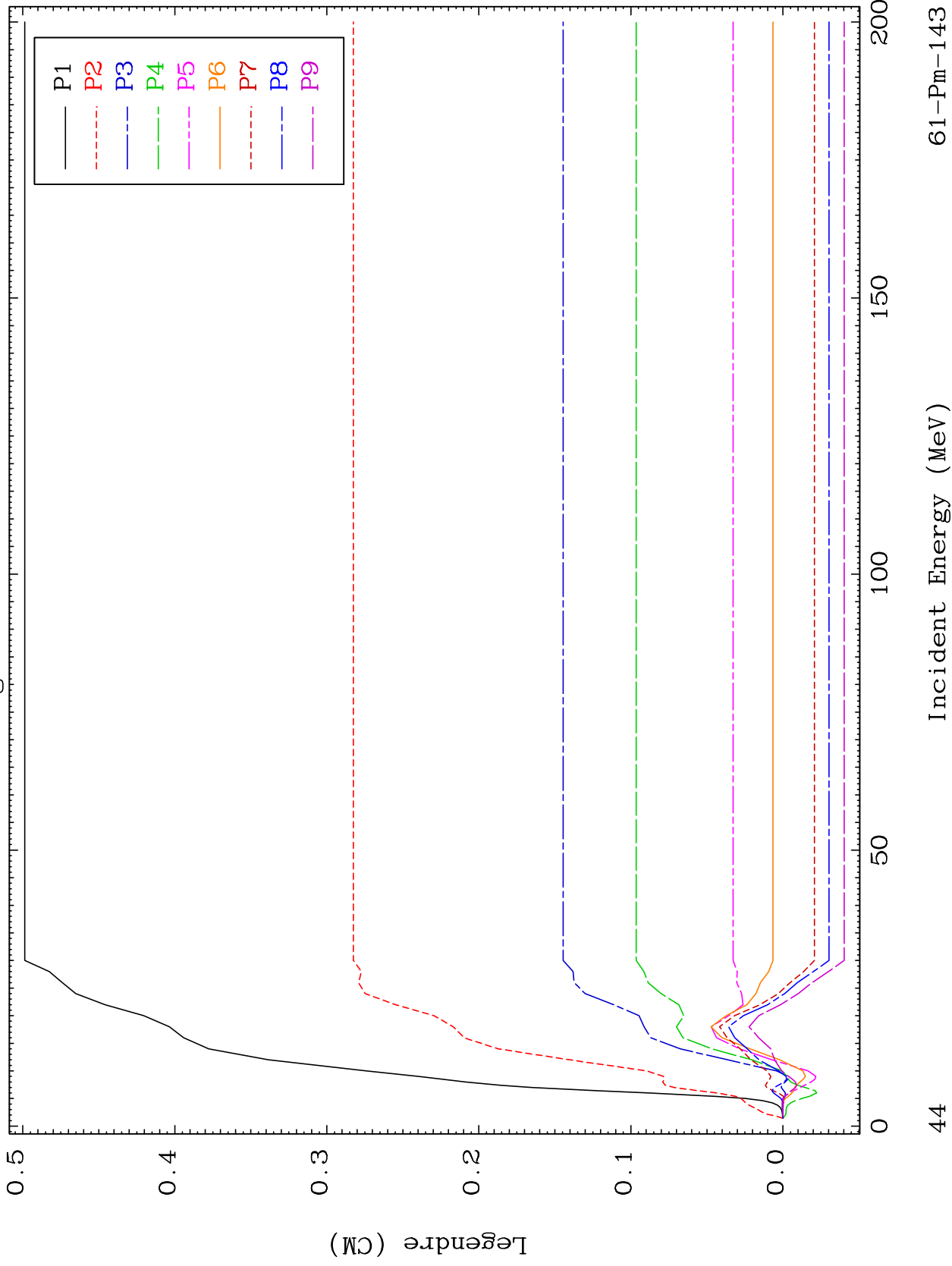
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.403 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



44

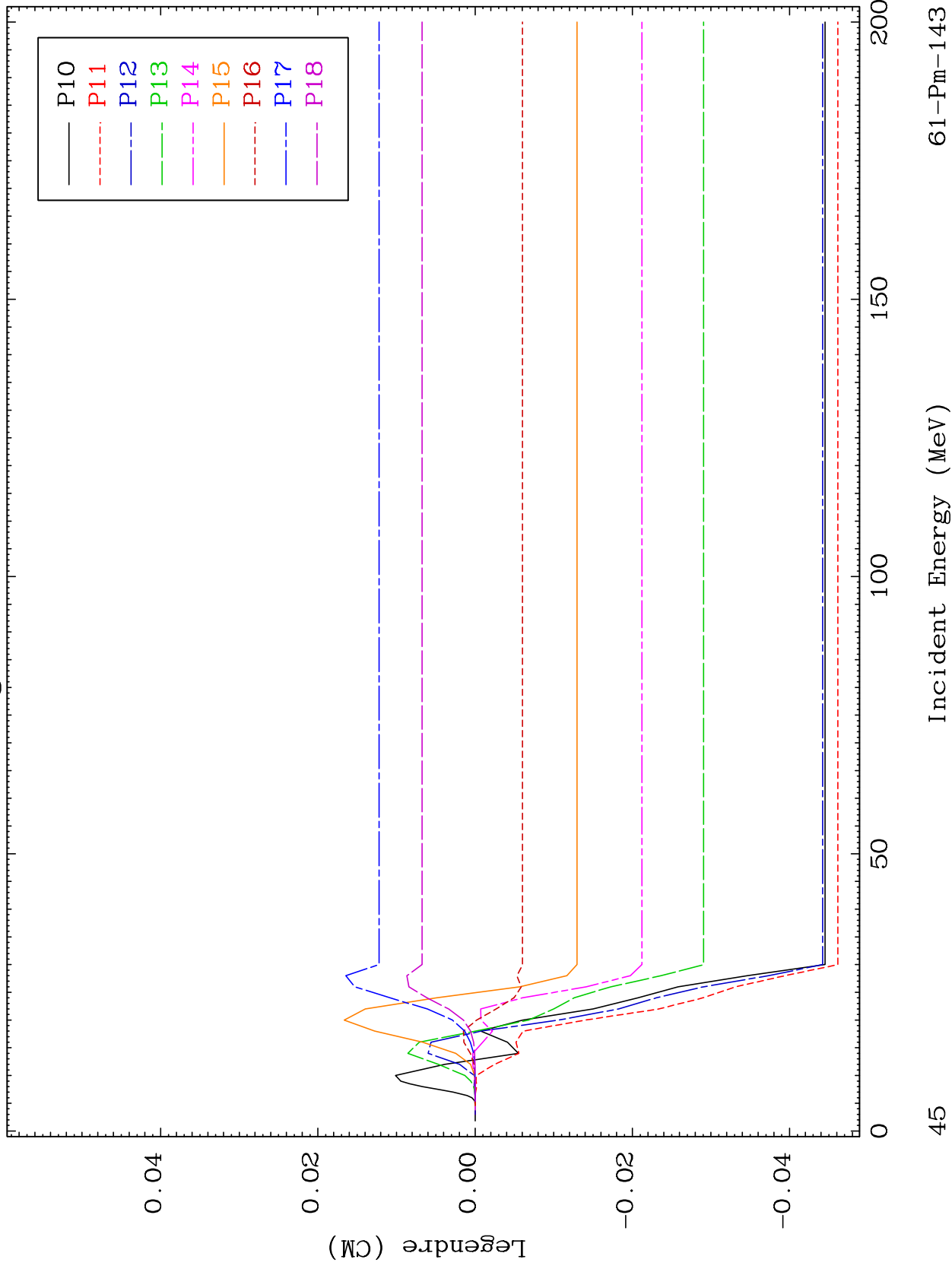
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.403 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

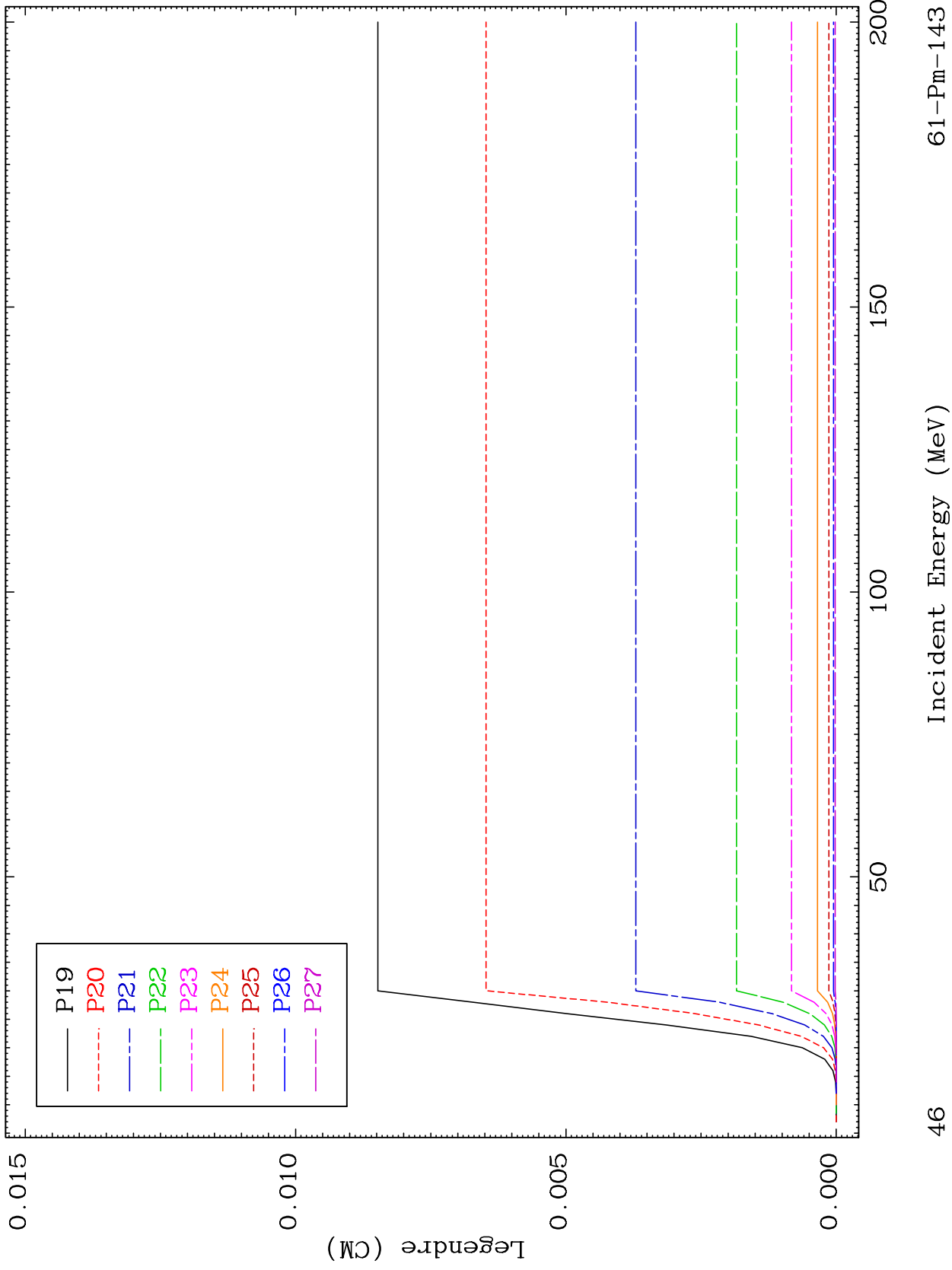
Incident Energy (MeV)

45

MAT 6137

1.403 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



46

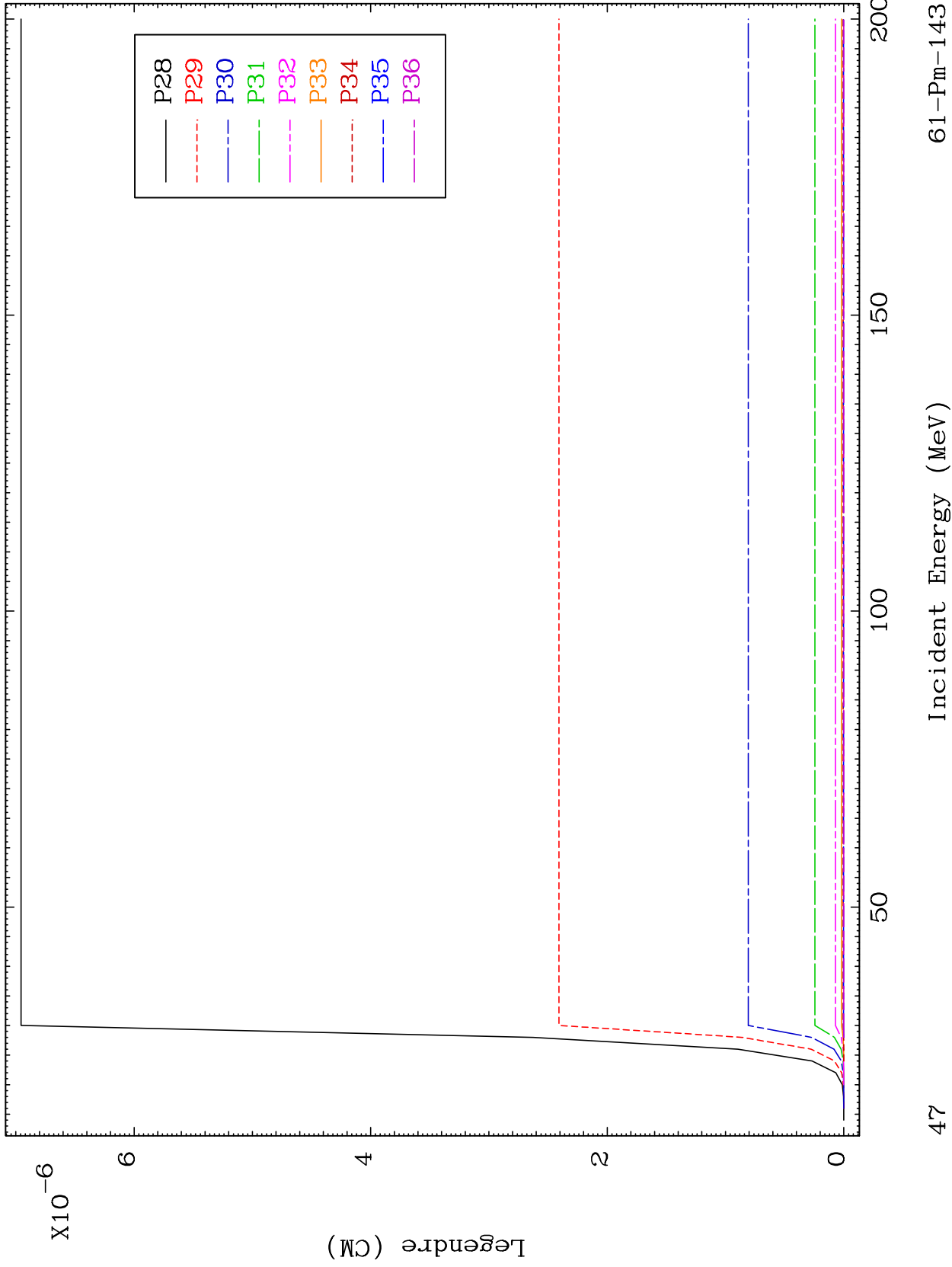
Incident Energy (MeV)

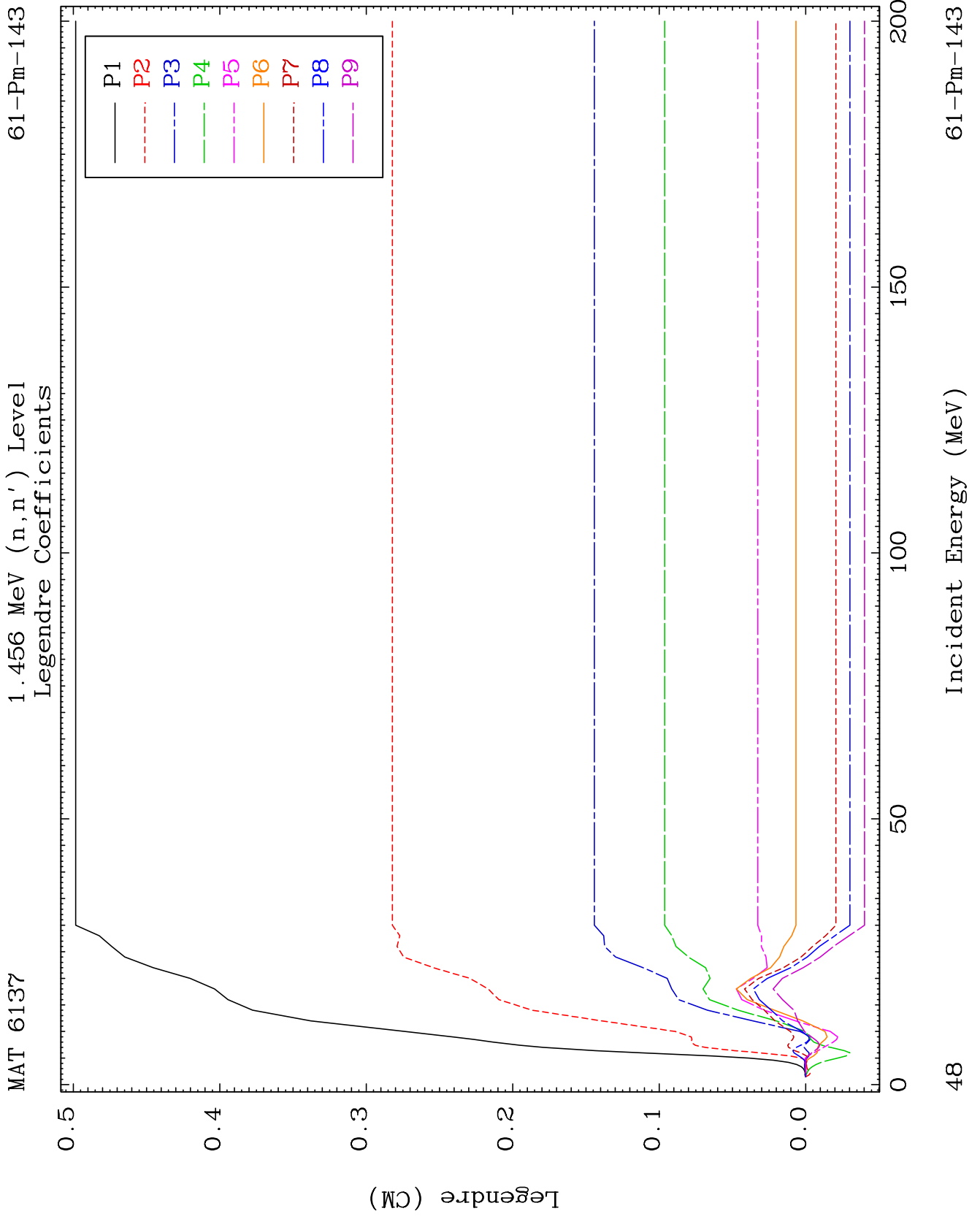
61-Pm-143

MAT 6137

1.403 MeV (n,n') Level
Legendre Coefficients

61-Pm-143

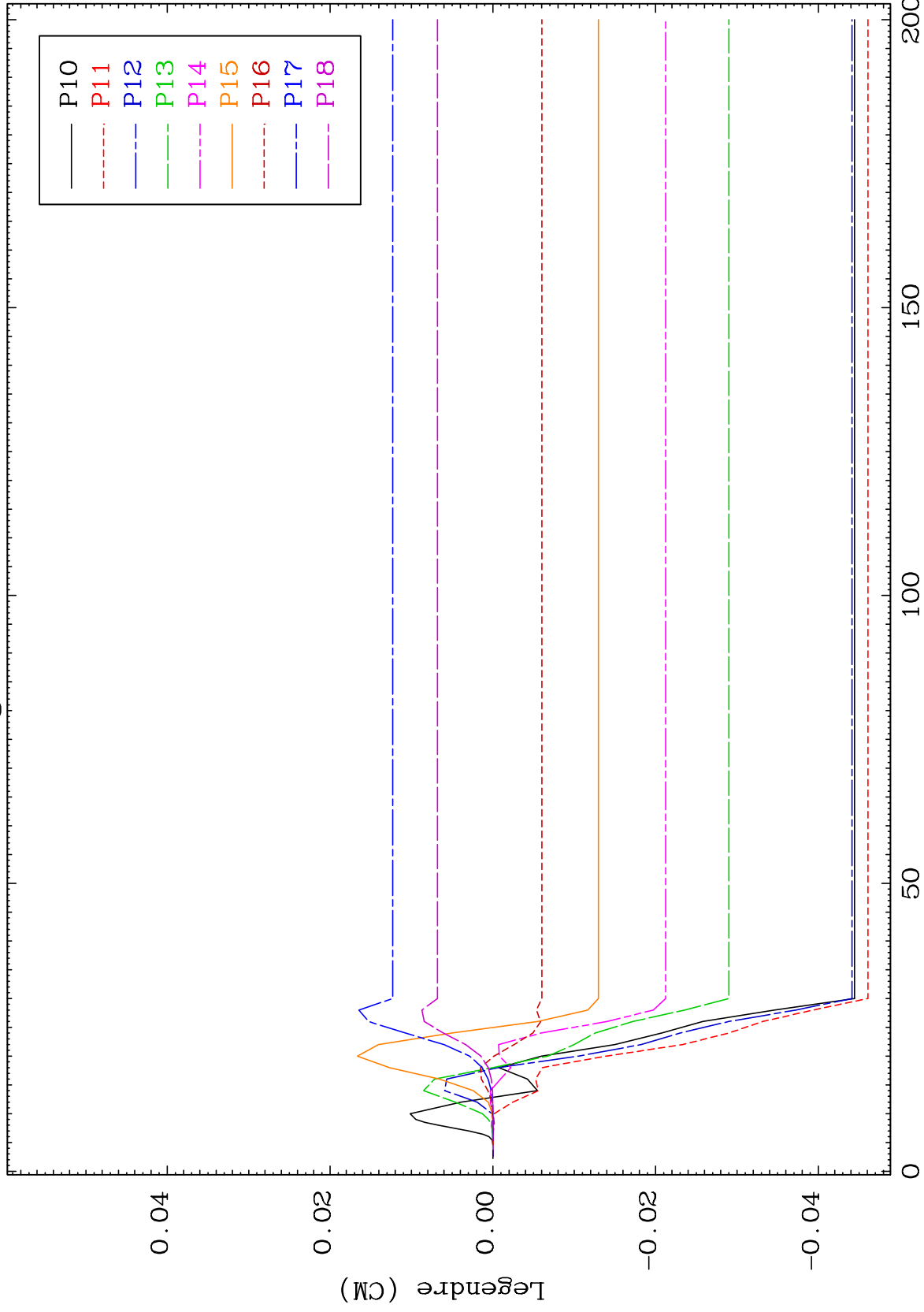




MAT 6137

1.456 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



49

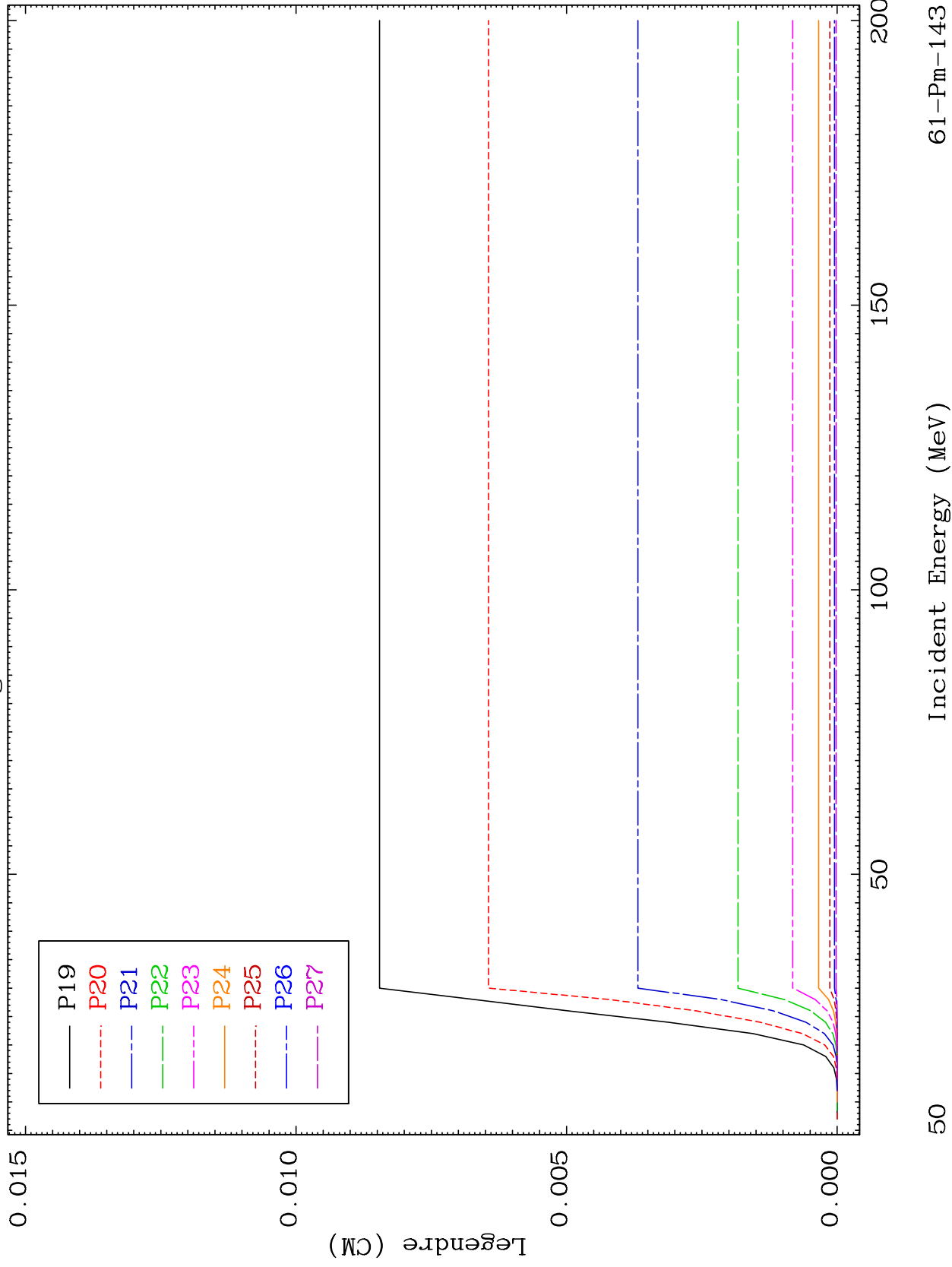
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.456 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

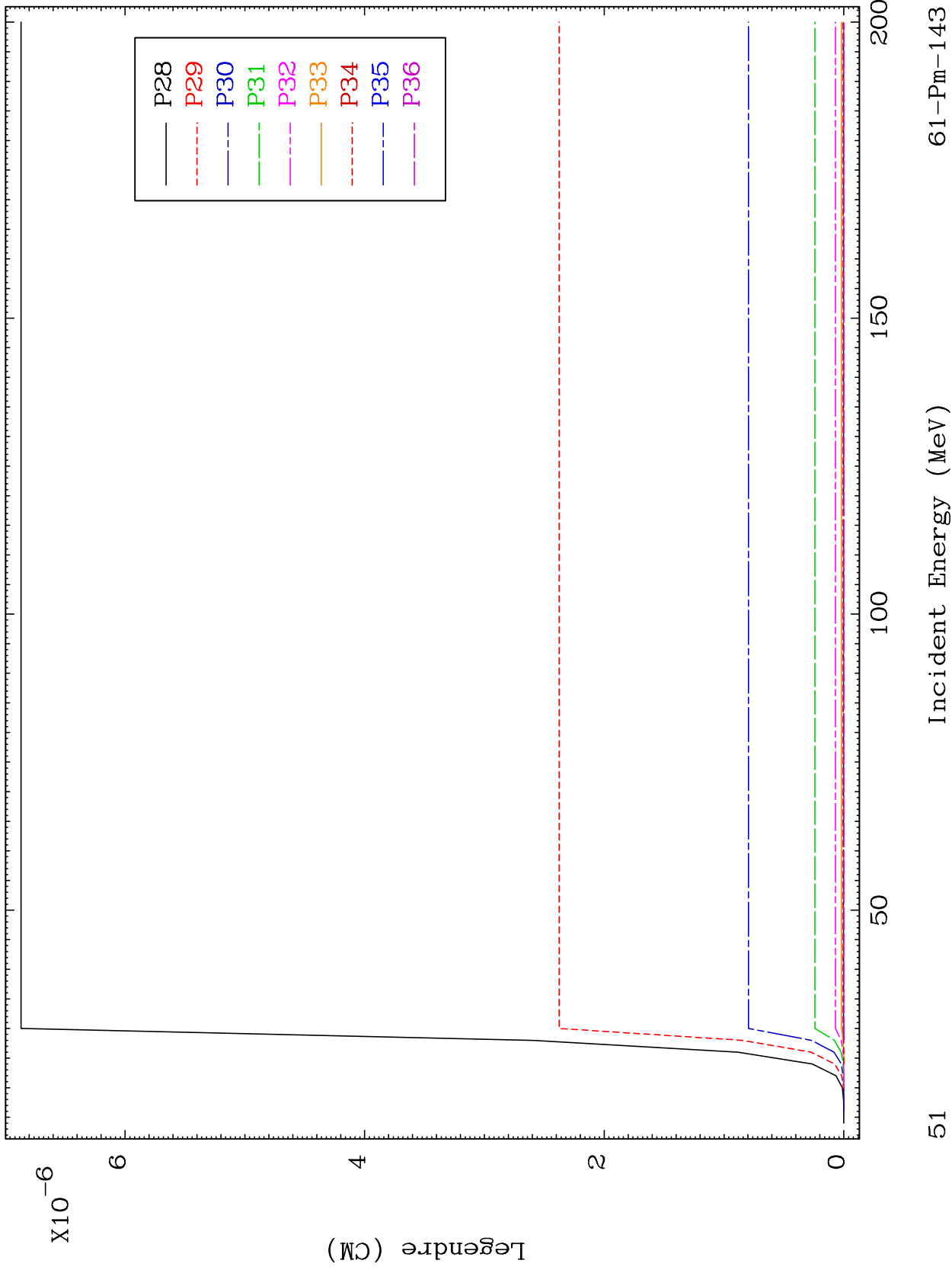
Incident Energy (MeV)

50

MAT 6137

1.456 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



51

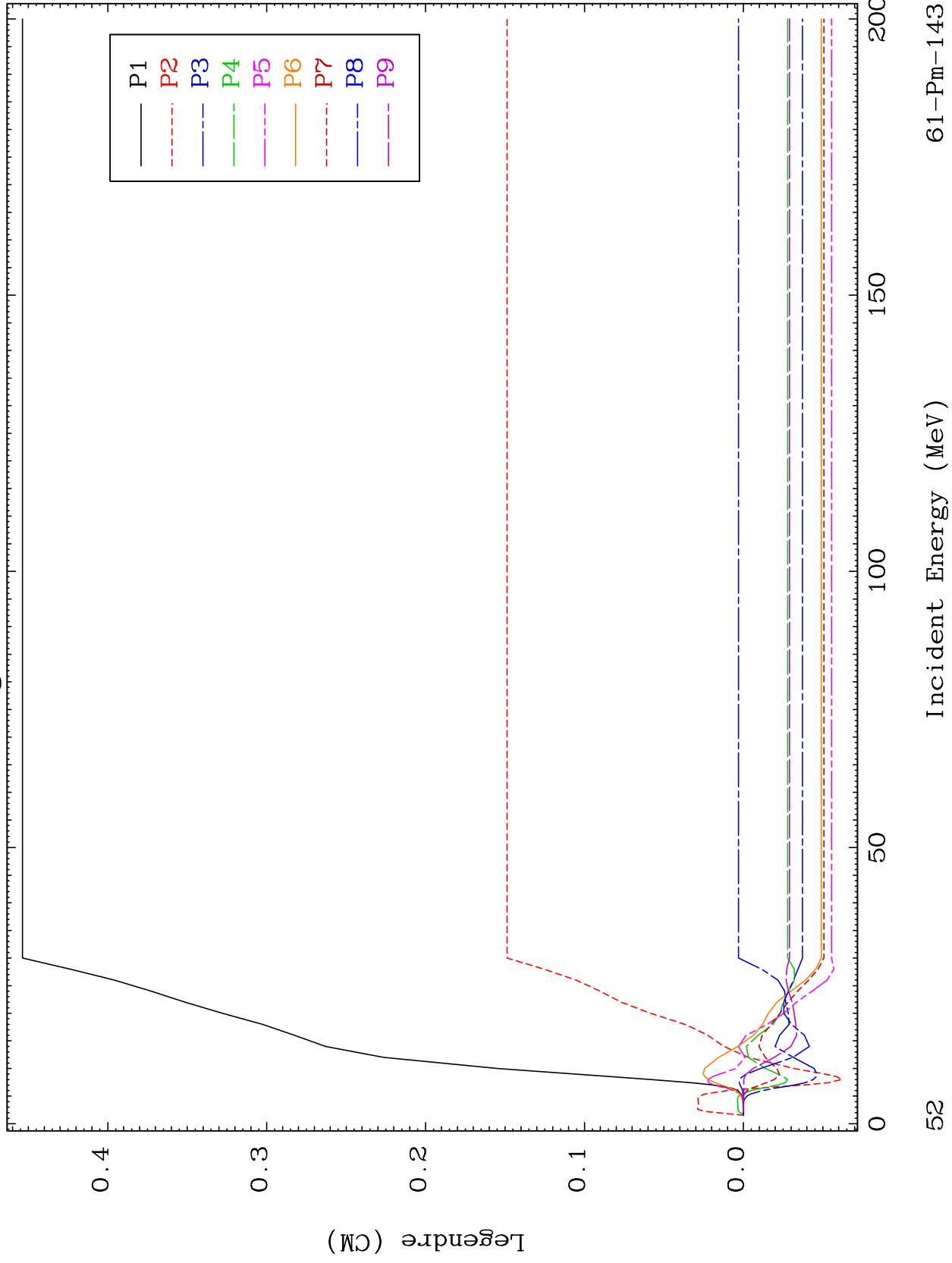
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.515 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

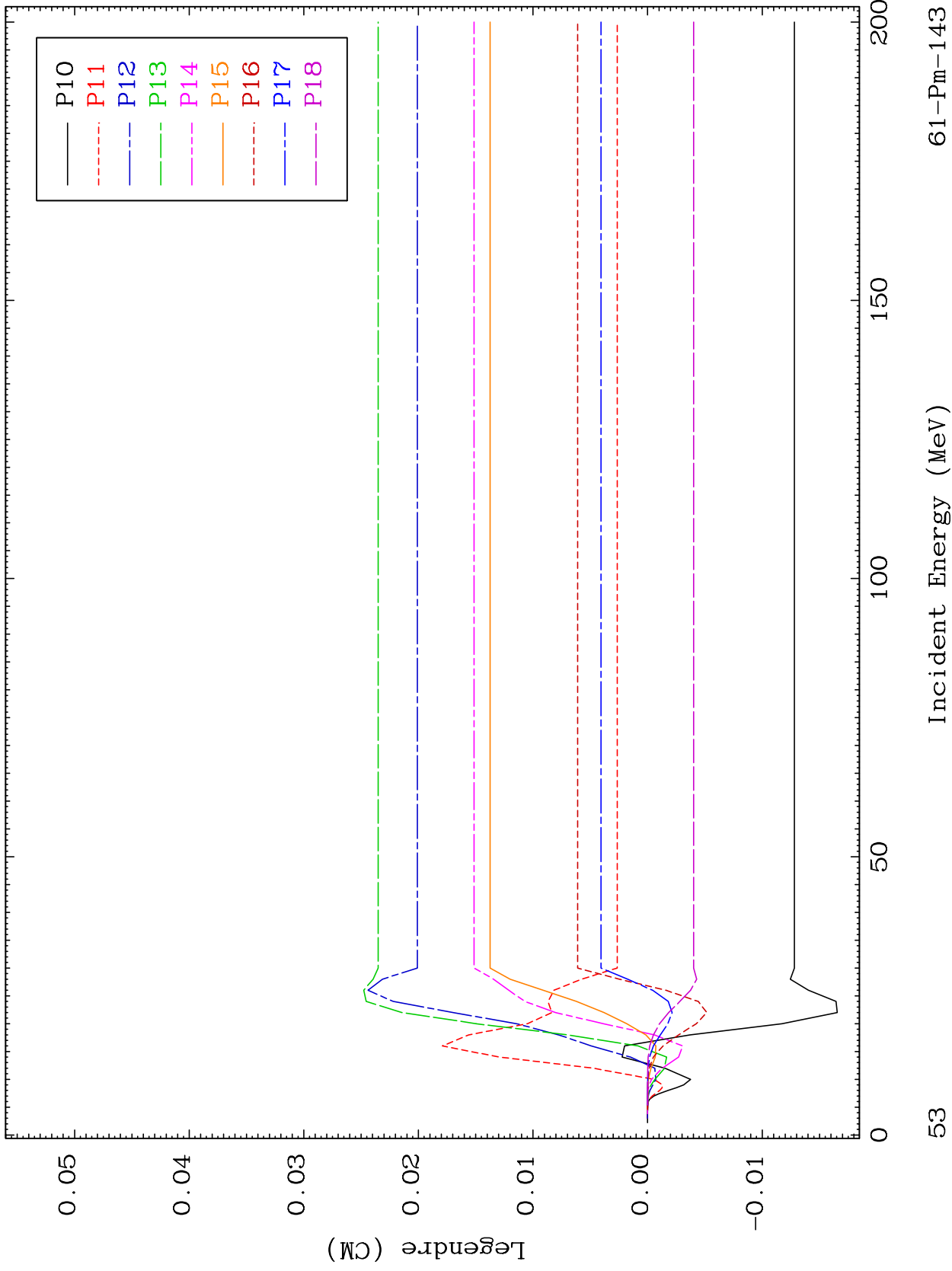
Incident Energy (MeV)

52

MAT 6137

1.515 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

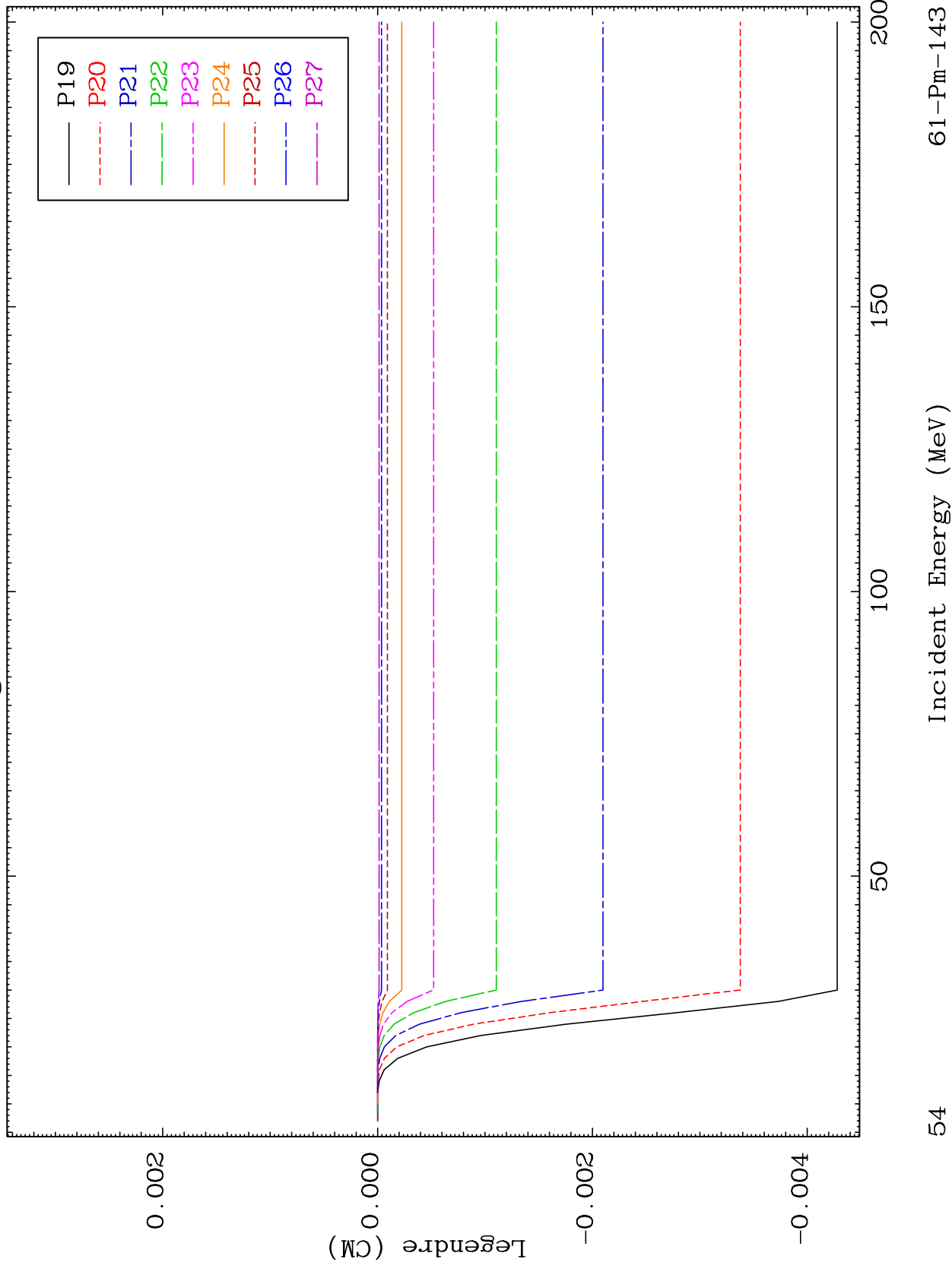
Incident Energy (MeV)

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MAT 6137

1.515 MeV (n,n') Level
Legendre Coefficients

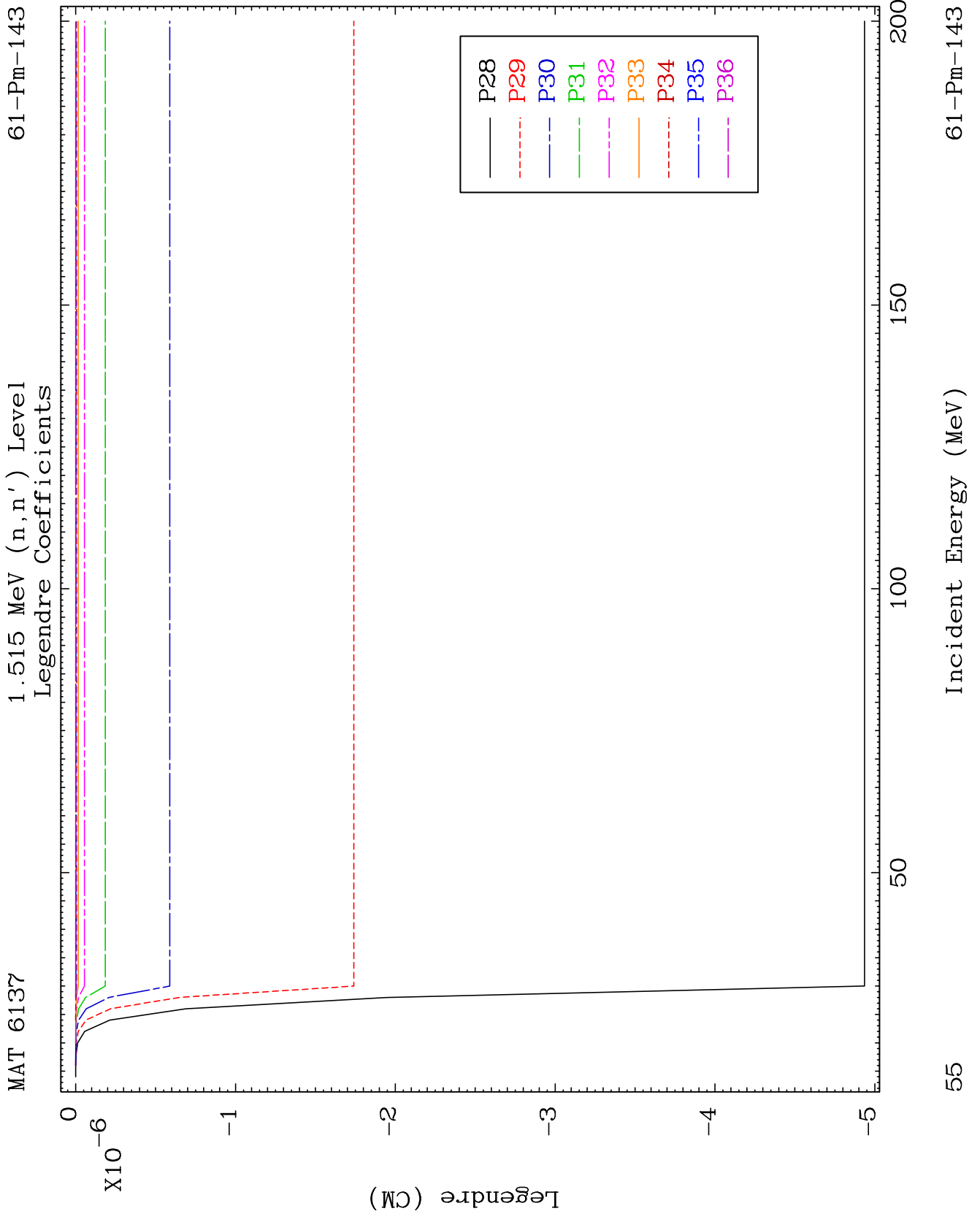
61-Pm-143



54

Incident Energy (MeV)

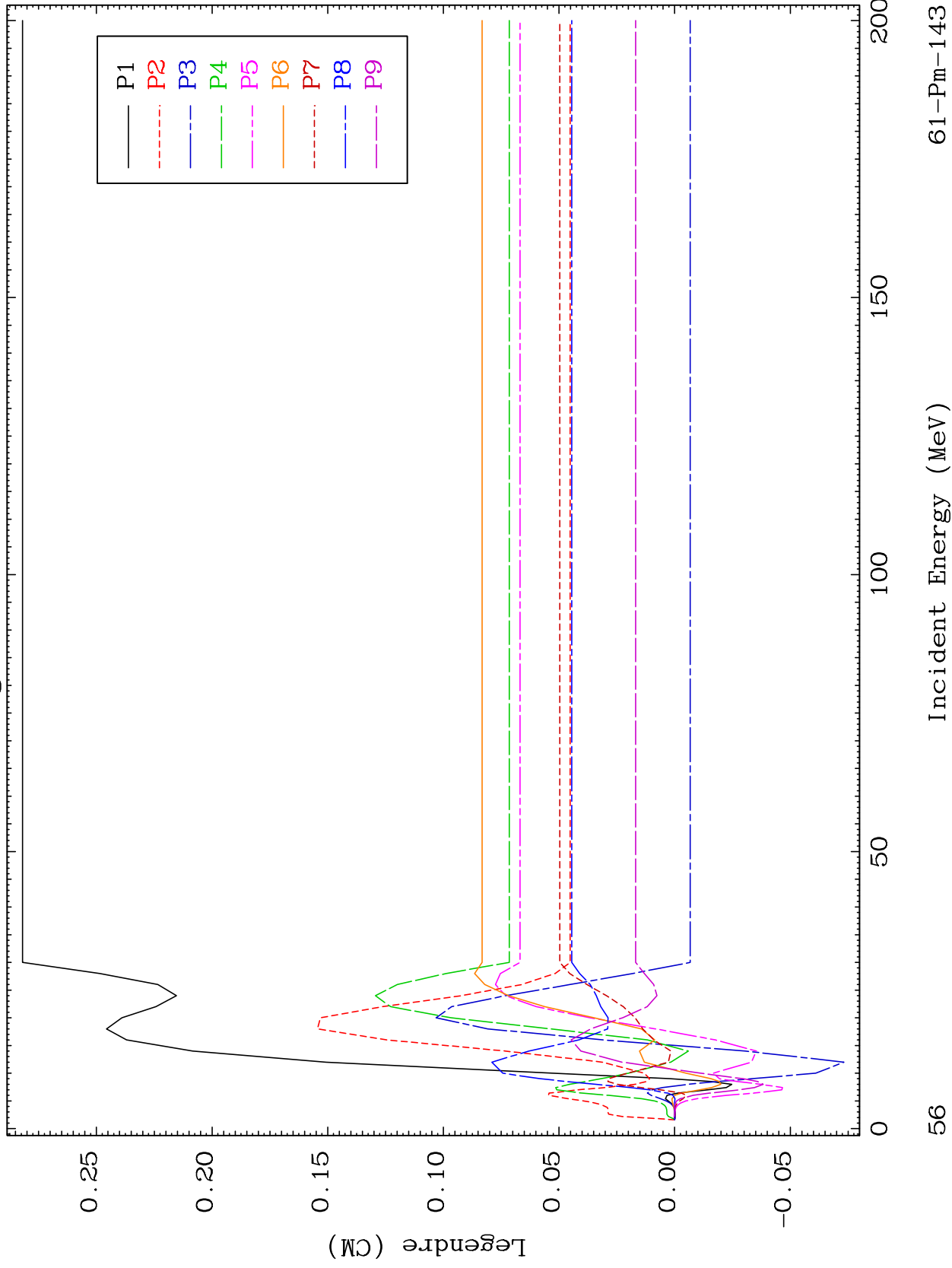
61-Pm-143



MAT 6137

1.559 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



56

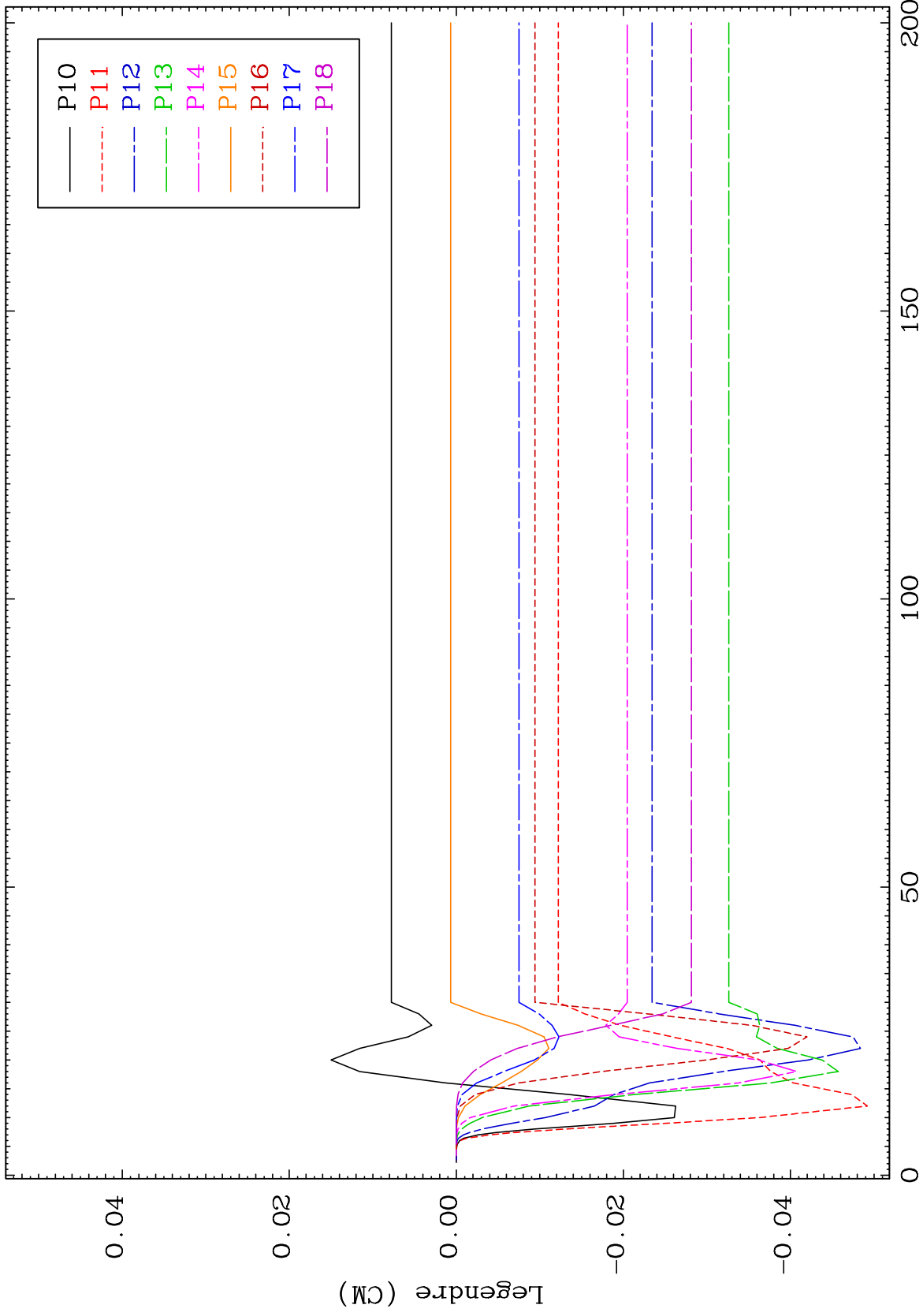
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.559 MeV (n,n') Level
Legendre Coefficients

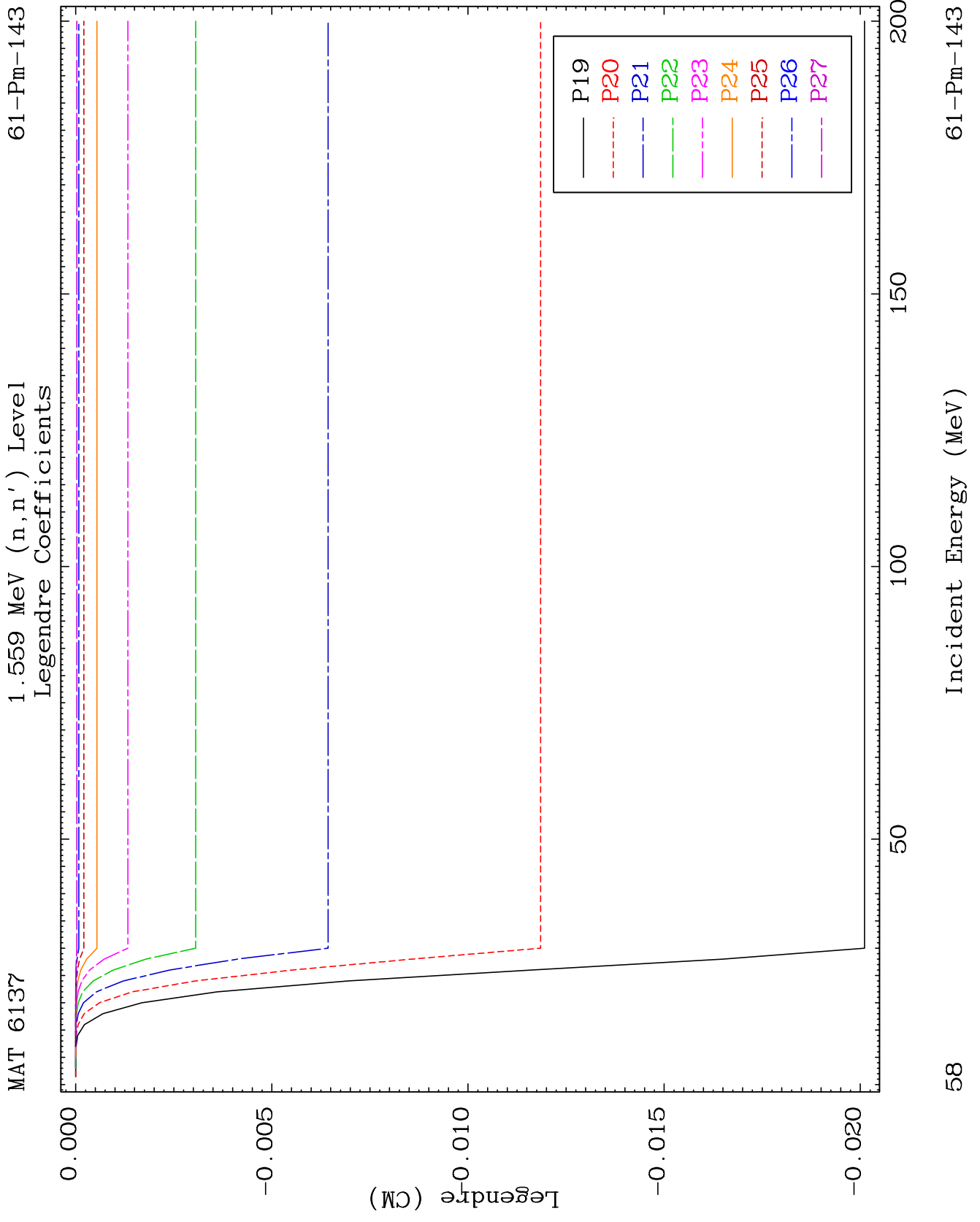
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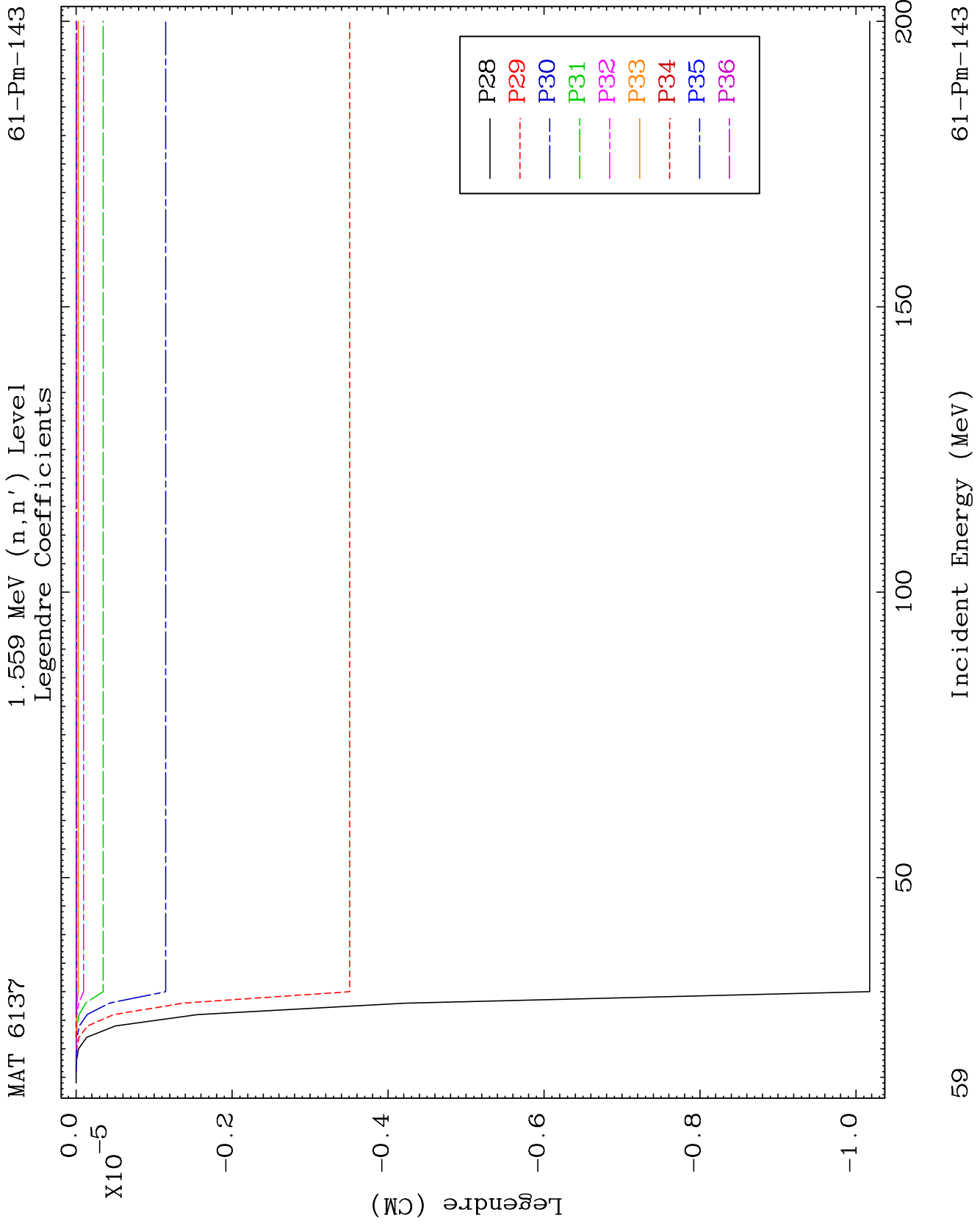


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Incident Energy (MeV)

61-Pm-143

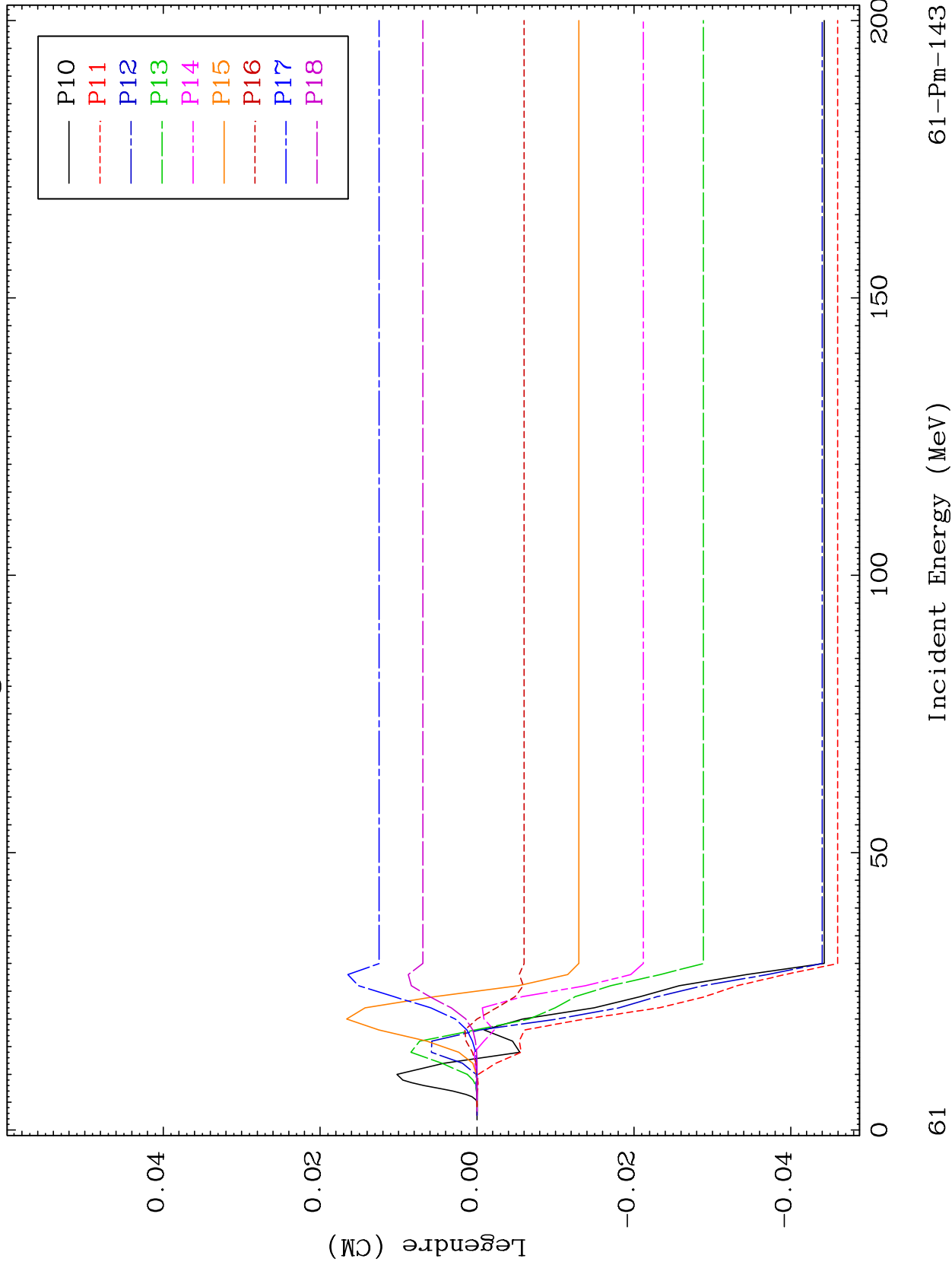




MAT 6137

1.566 MeV (n,n') Level
Legendre Coefficients

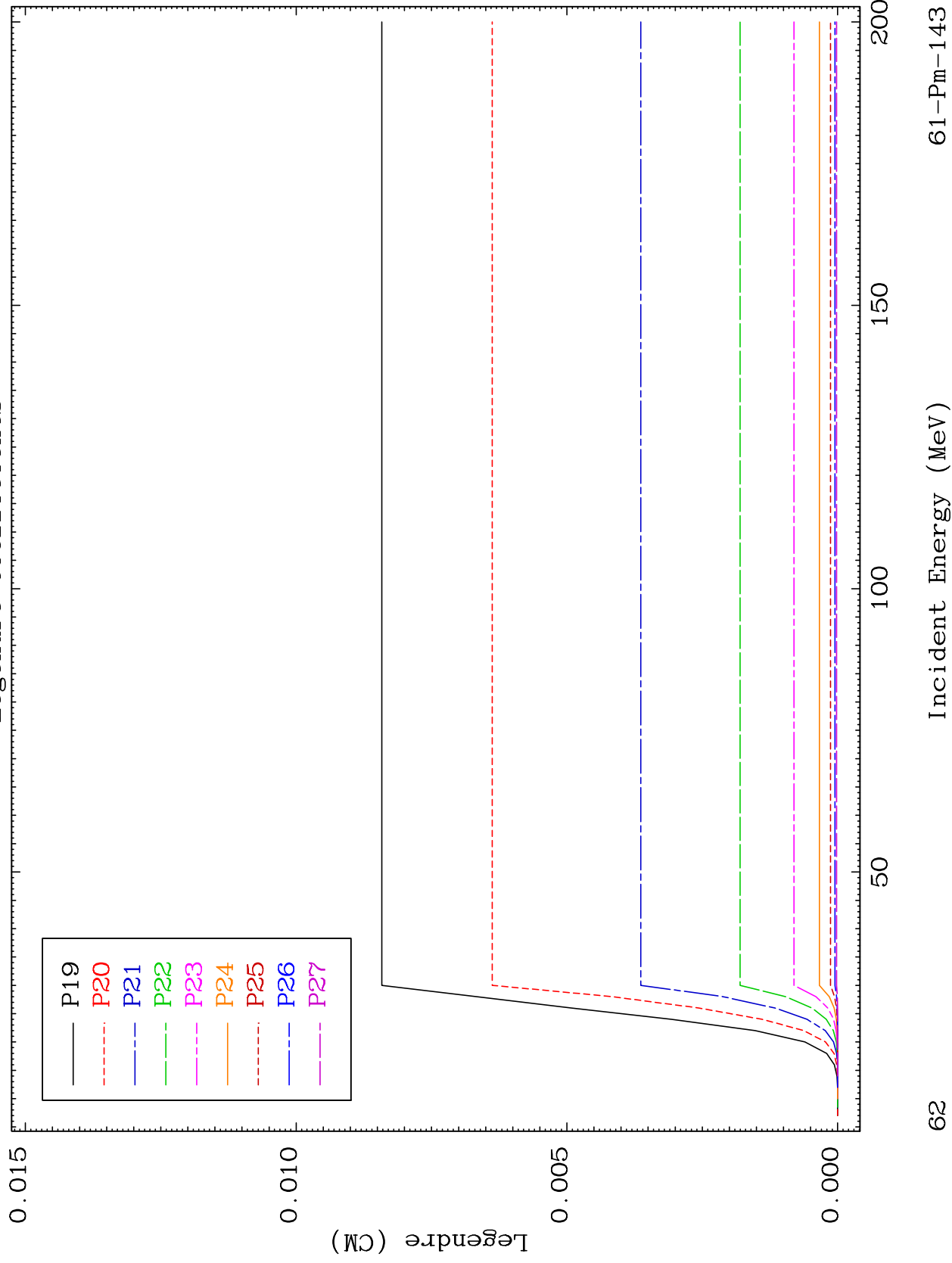
61-Pm-143



61-Pm-143

Incident Energy (MeV)

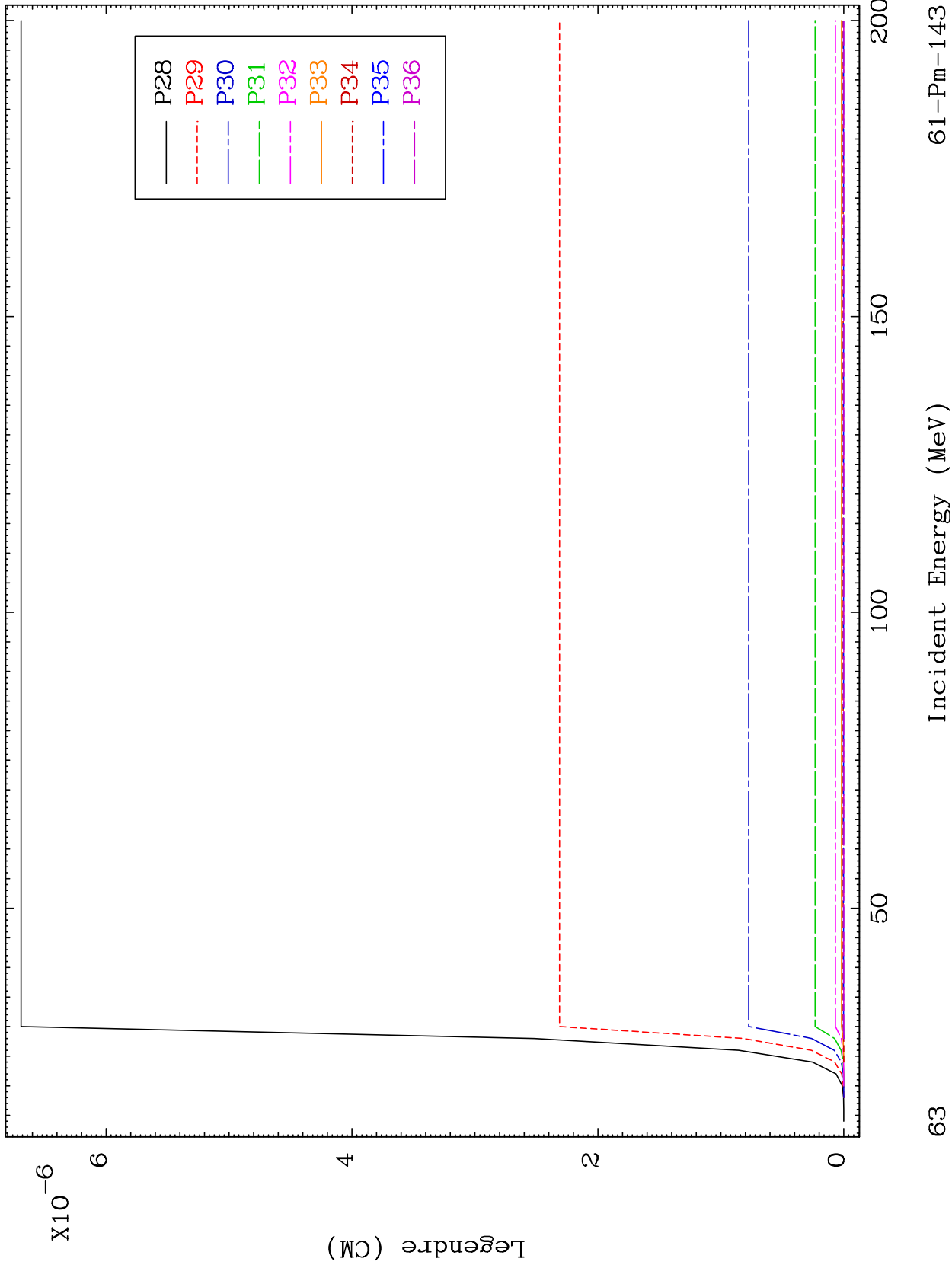
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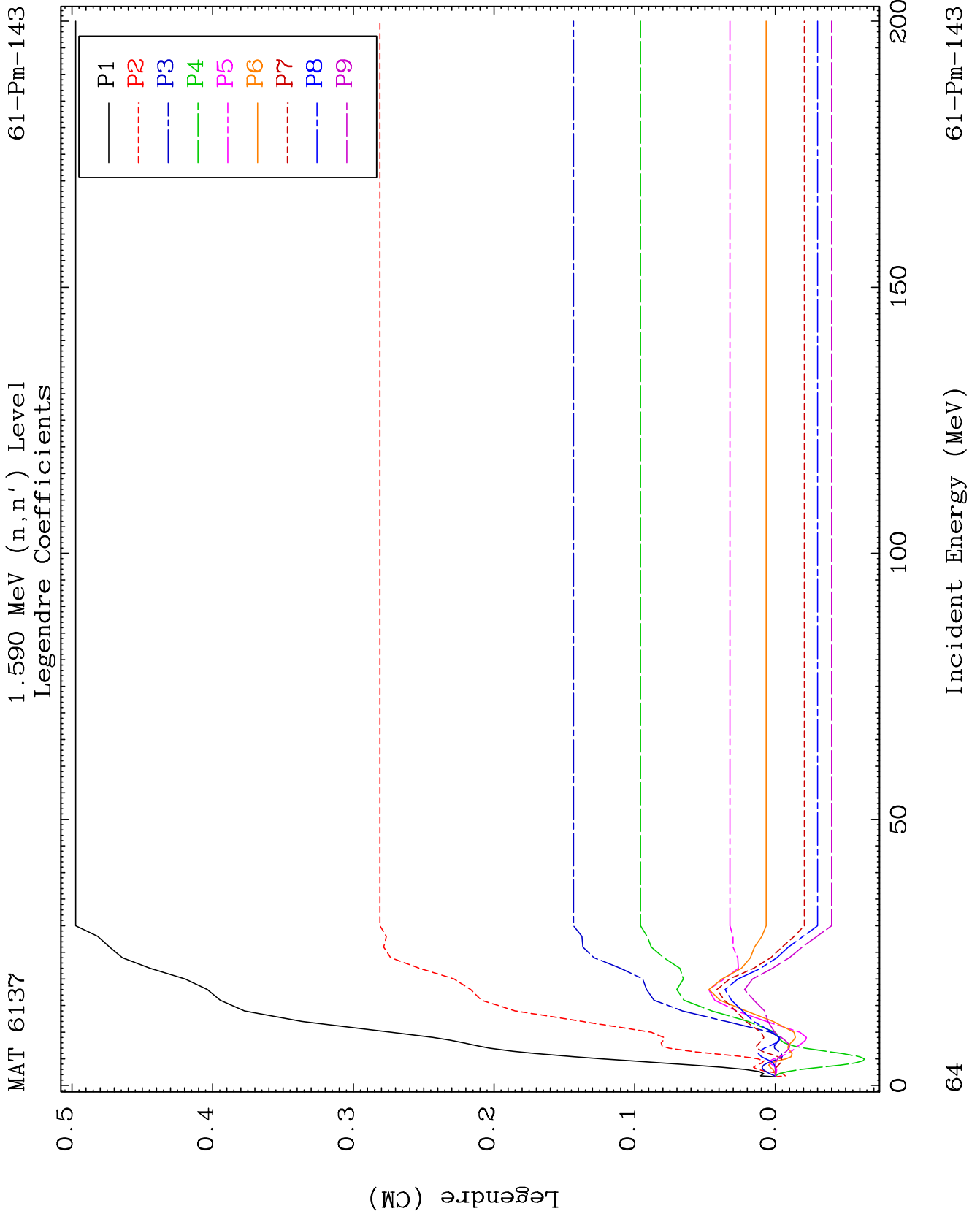


MAT 6137

1.566 MeV (n,n') Level
Legendre Coefficients

61-Pm-143

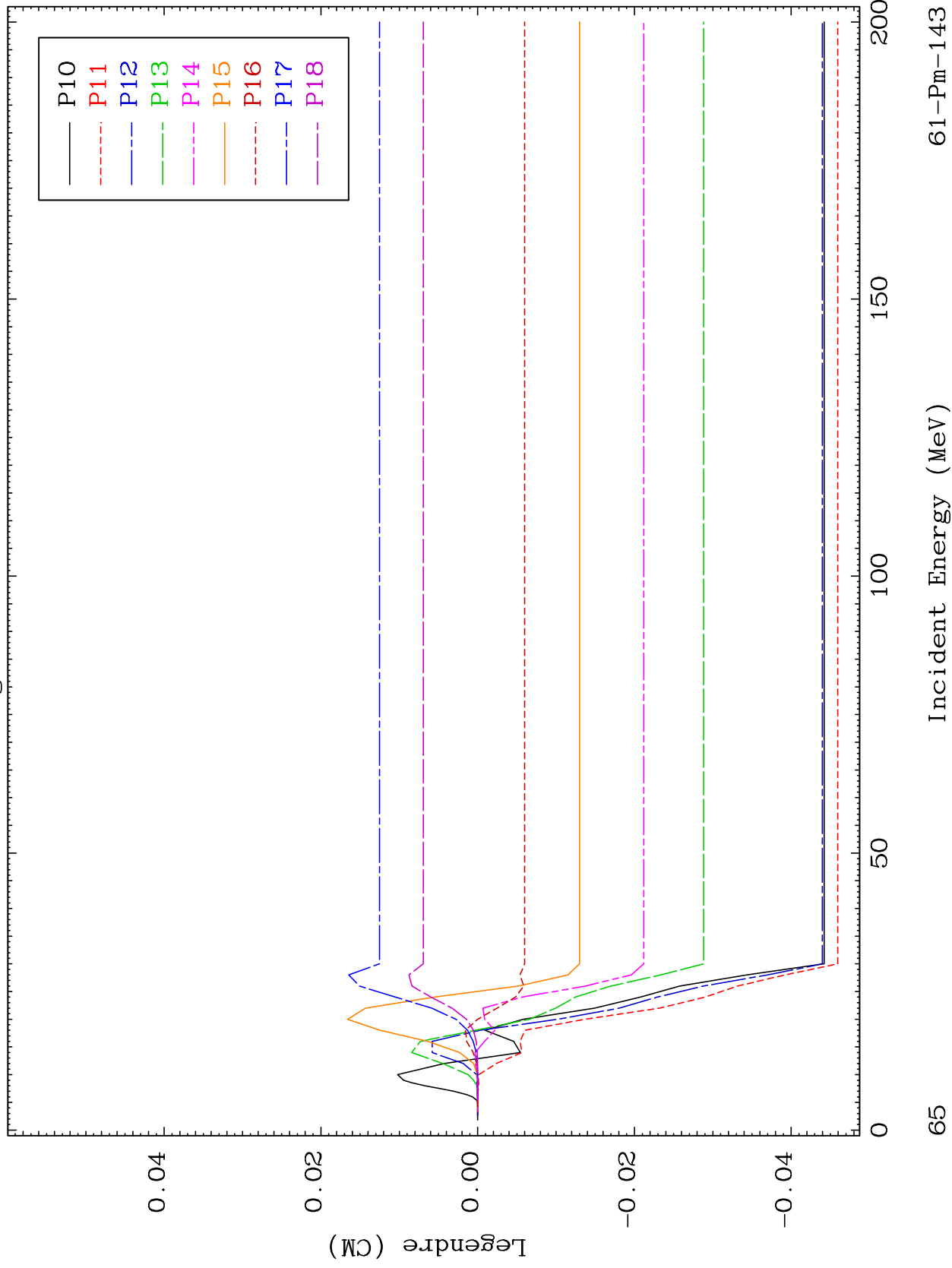




MAT 6137

1.590 MeV (n,n') Level
Legendre Coefficients

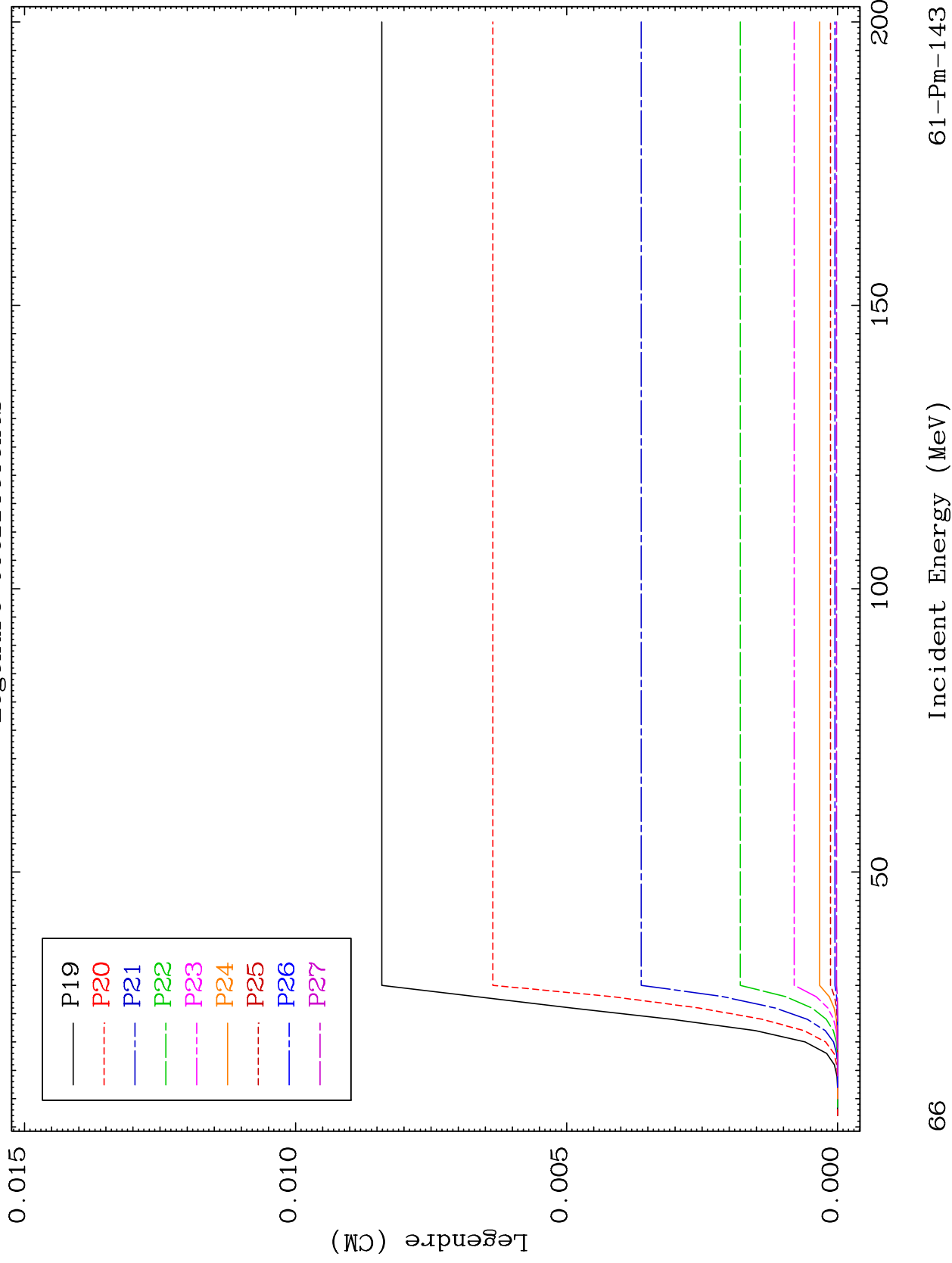
61-Pm-143



61-Pm-143

Incident Energy (MeV)

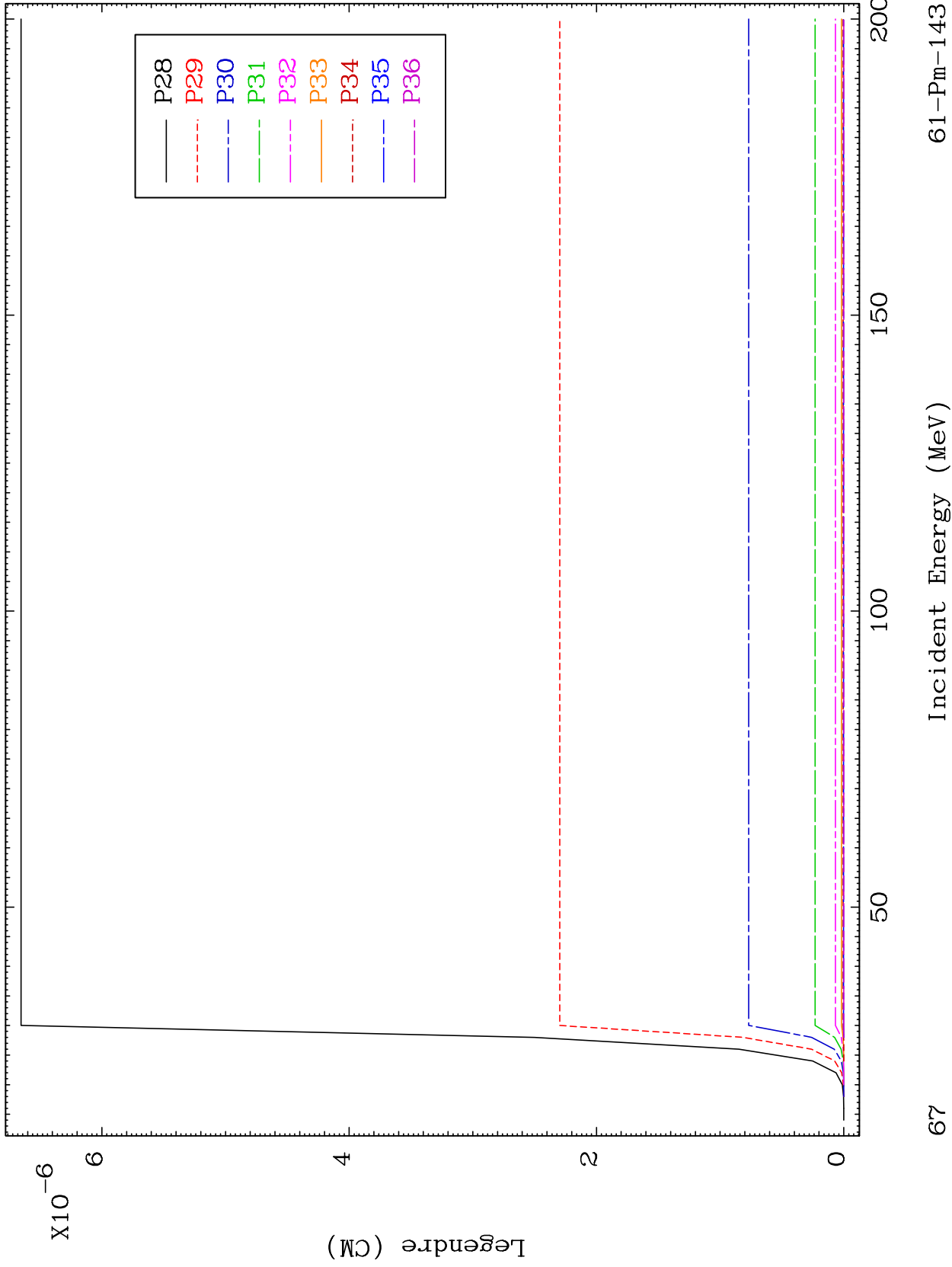
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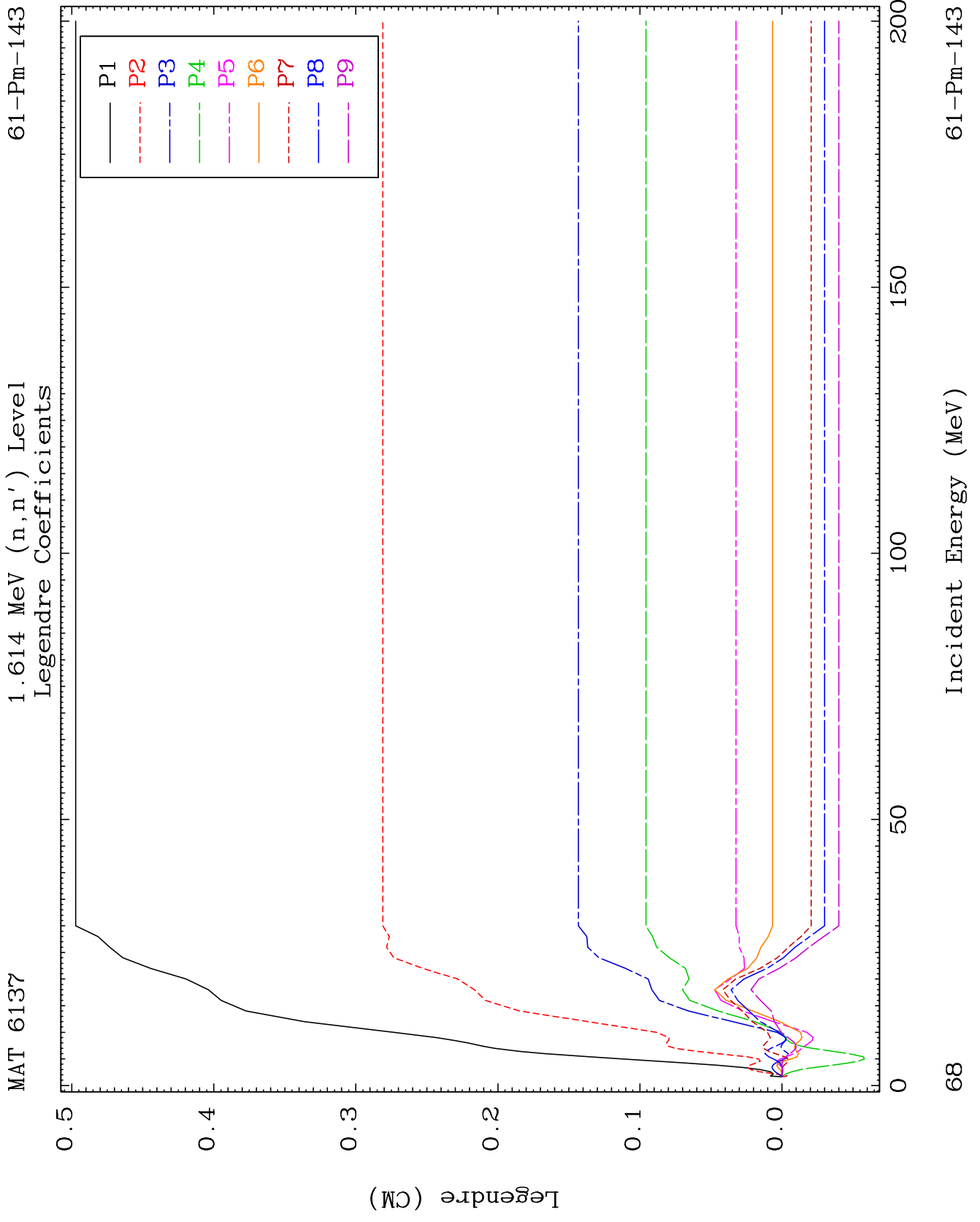


MAT 6137

1.590 MeV (n,n') Level
Legendre Coefficients

61-Pm-143

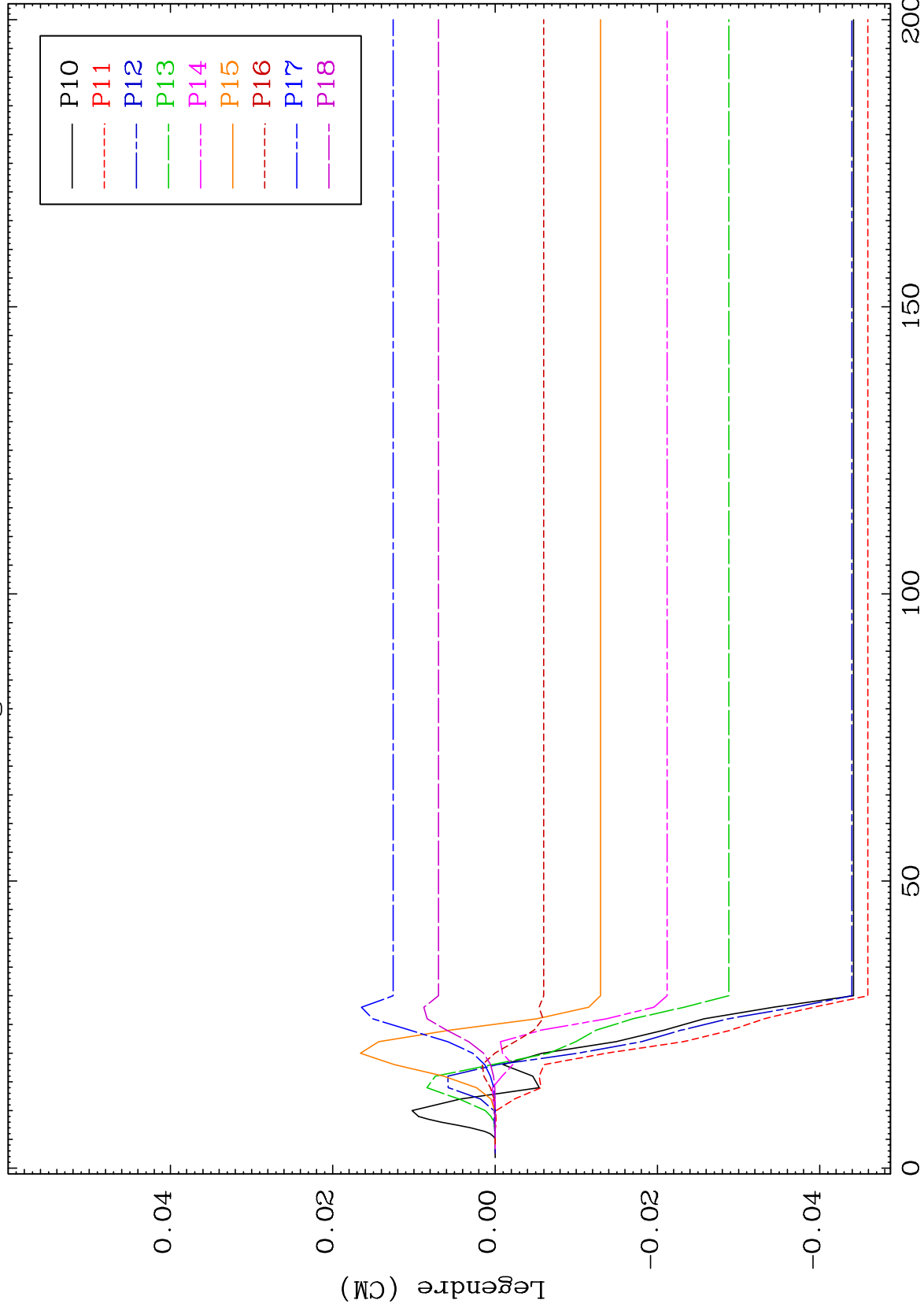




MAT 6137

1.614 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



69

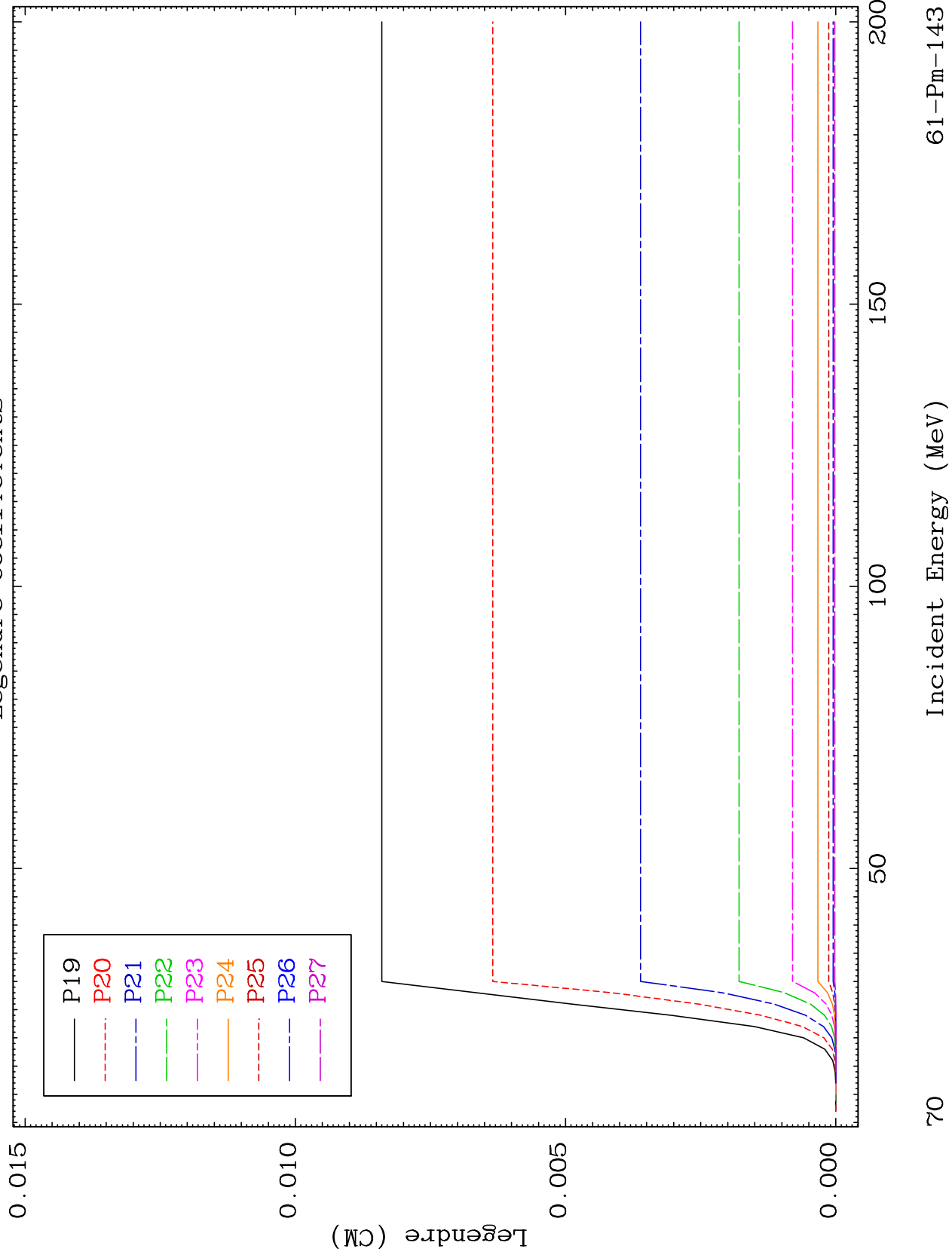
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.614 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



70

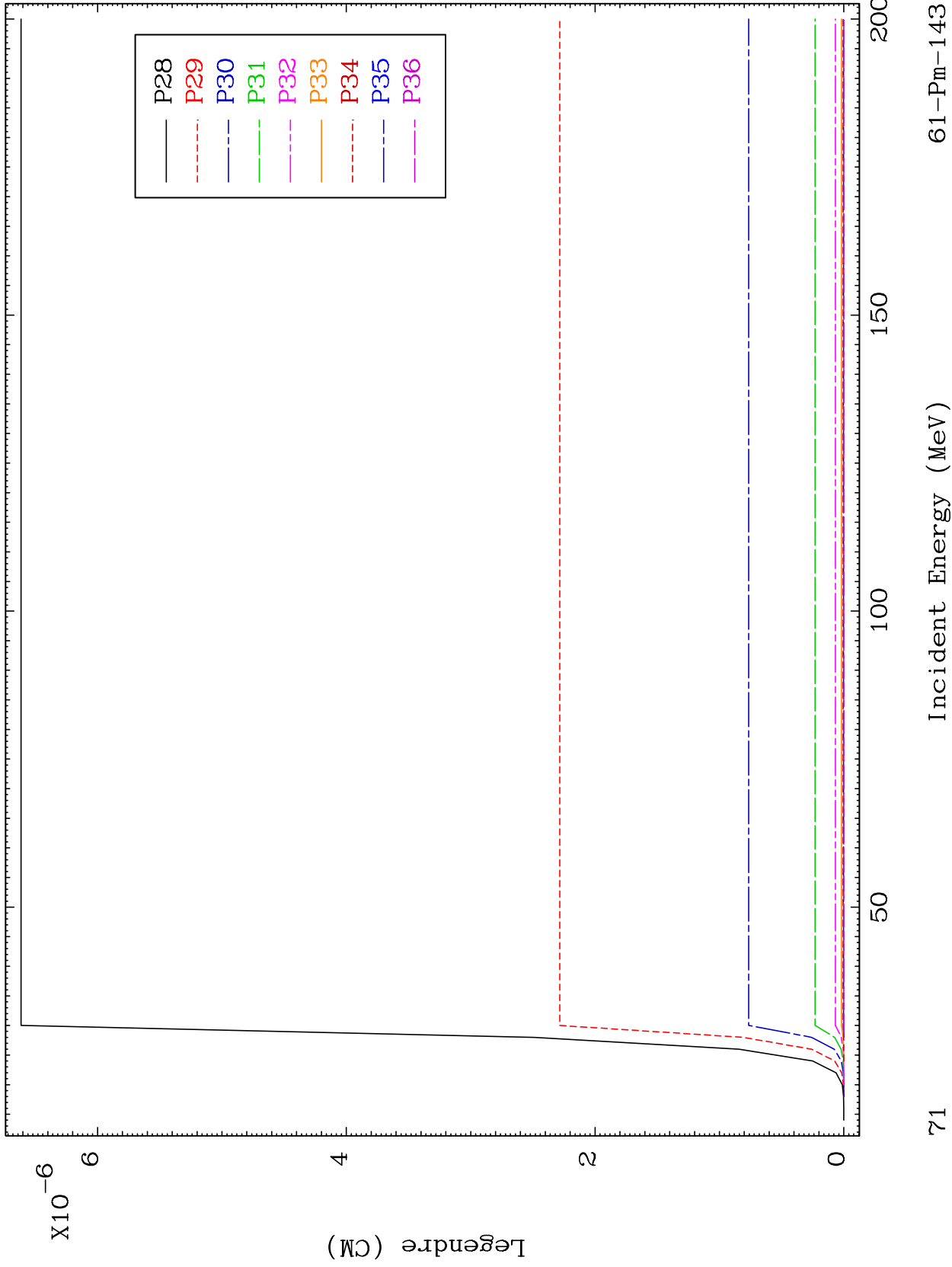
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.614 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



71

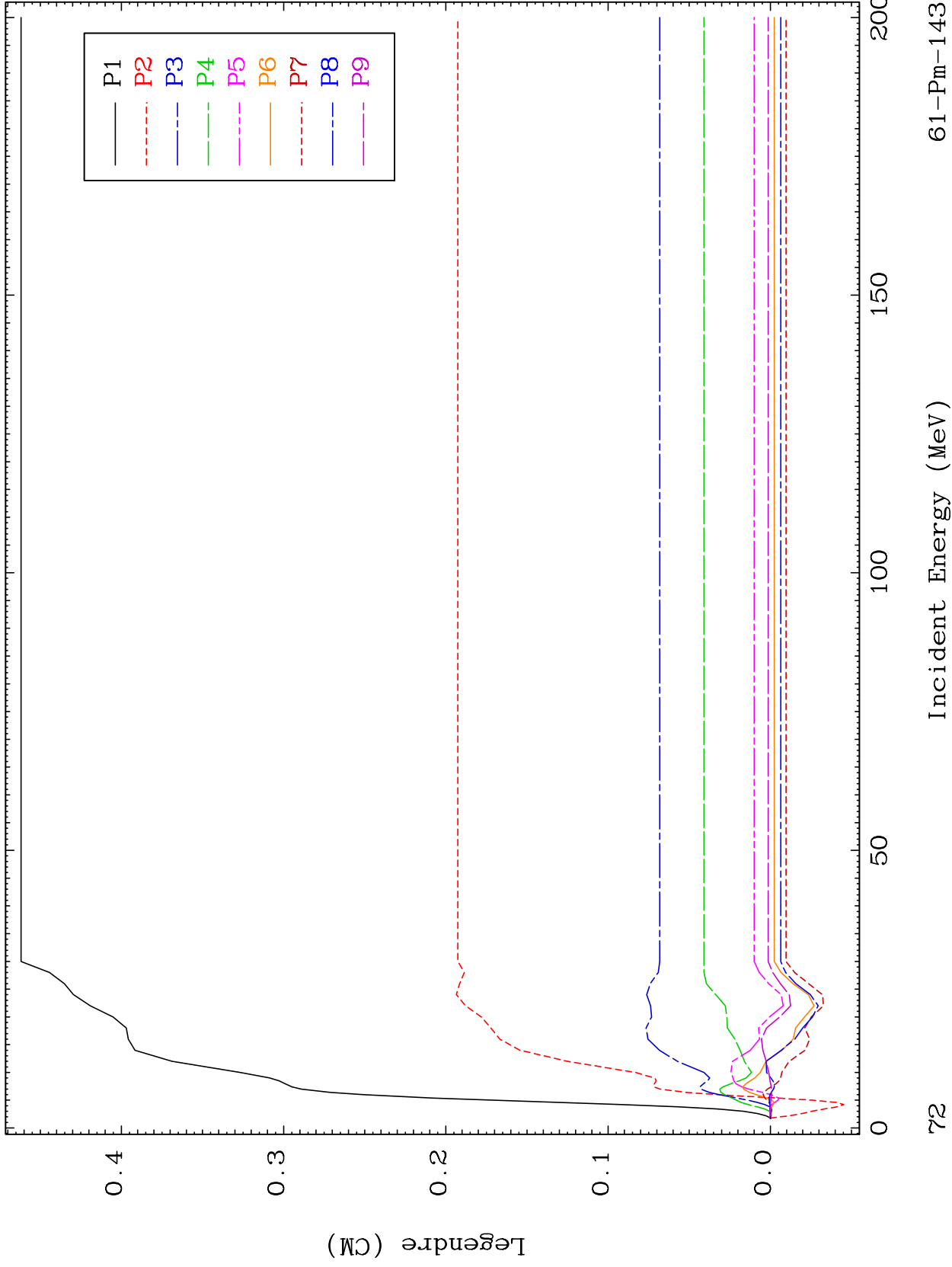
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.663 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

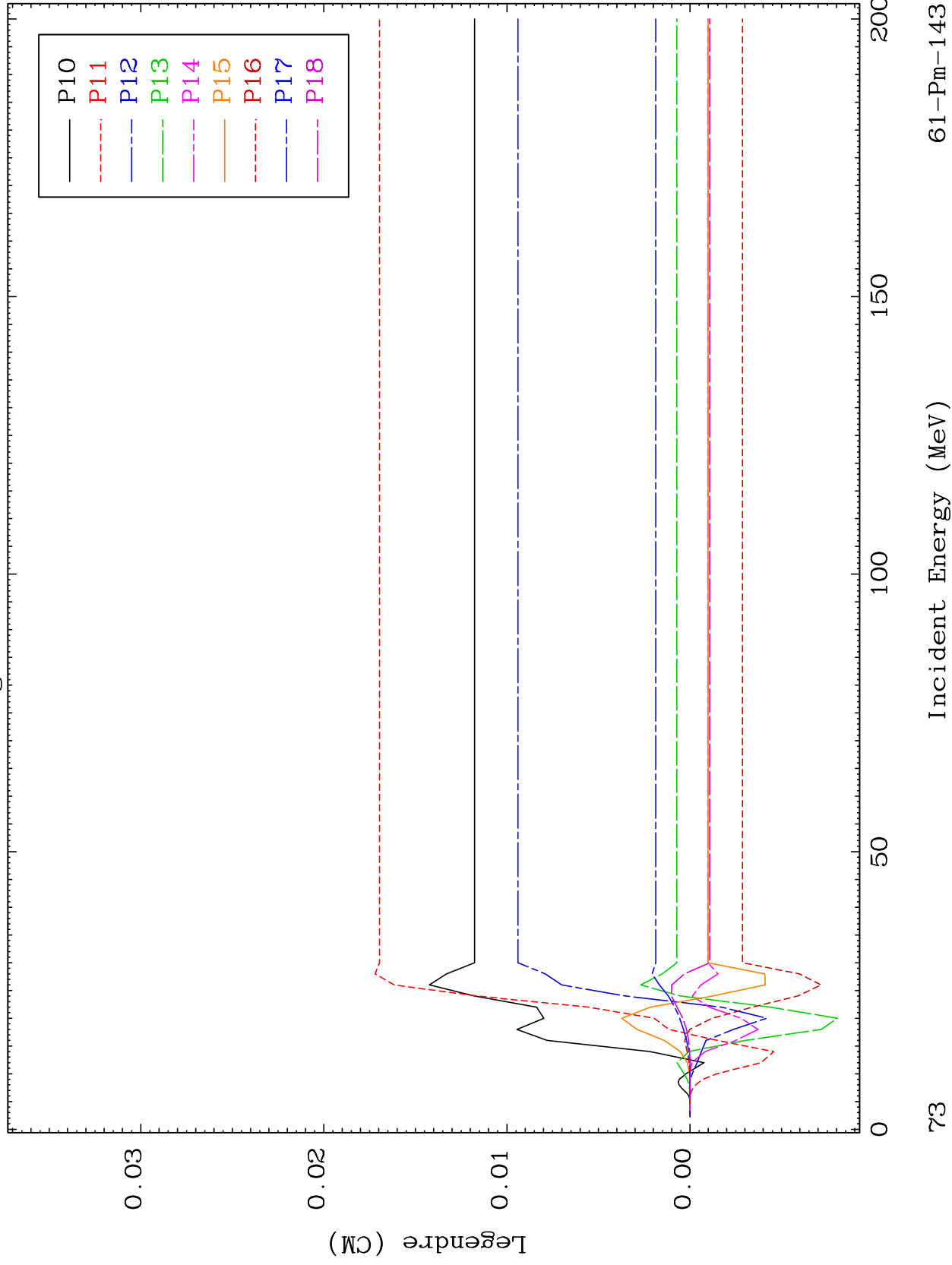
Incident Energy (MeV)

72

MAT 6137

1.663 MeV (n,n') Level
Legendre Coefficients

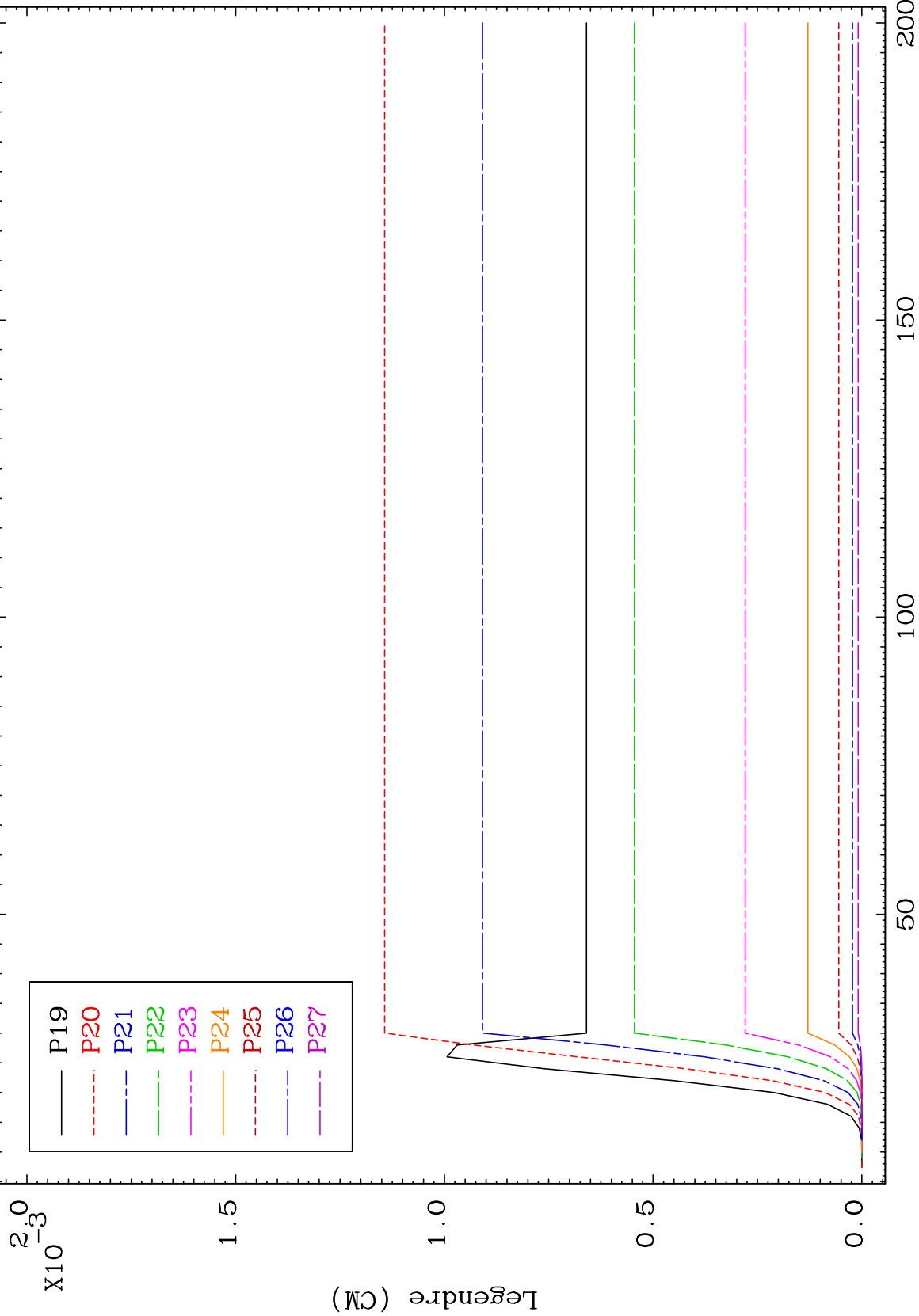
61-Pm-143



61-Pm-143

Incident Energy (MeV)

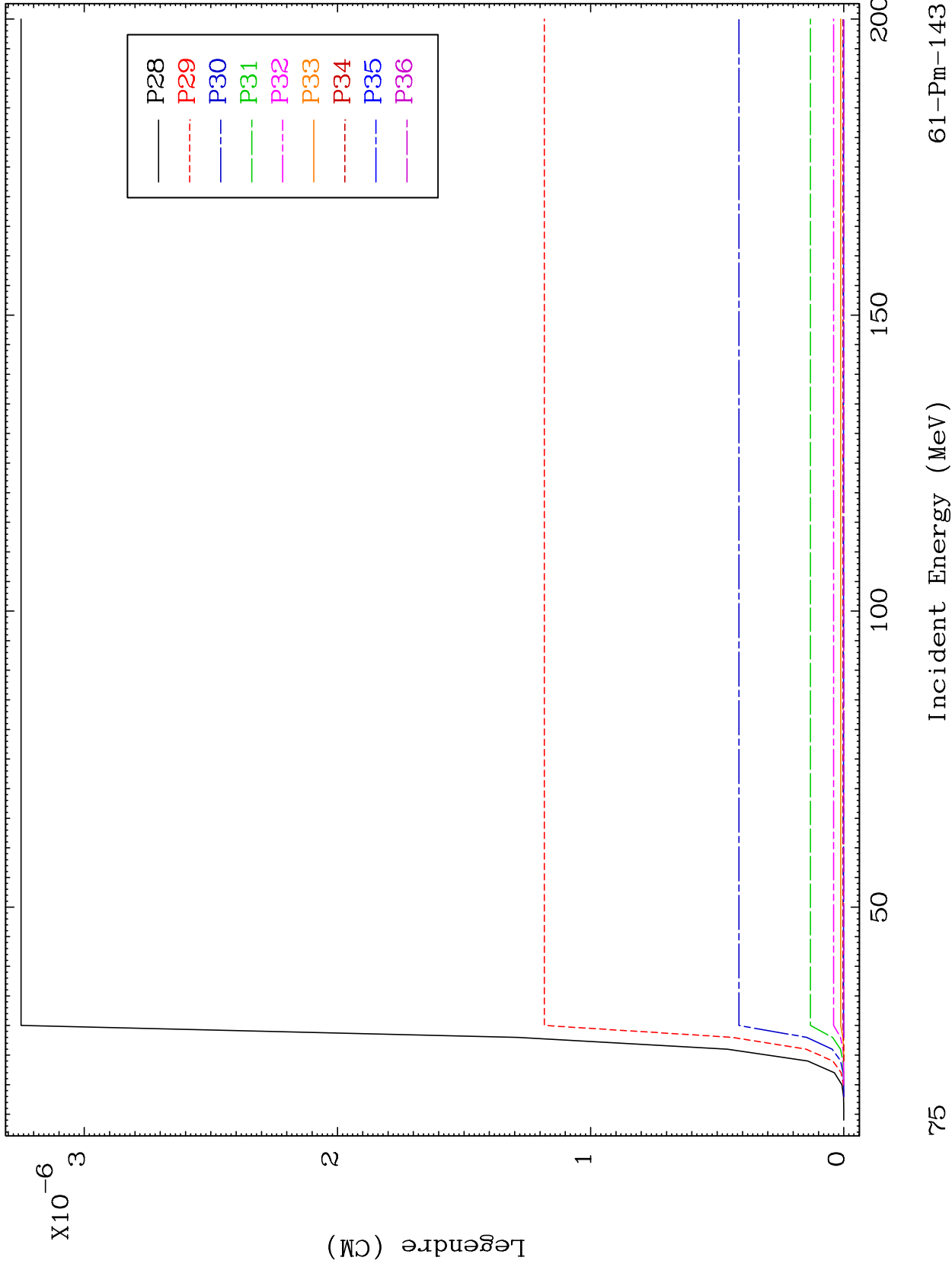
73

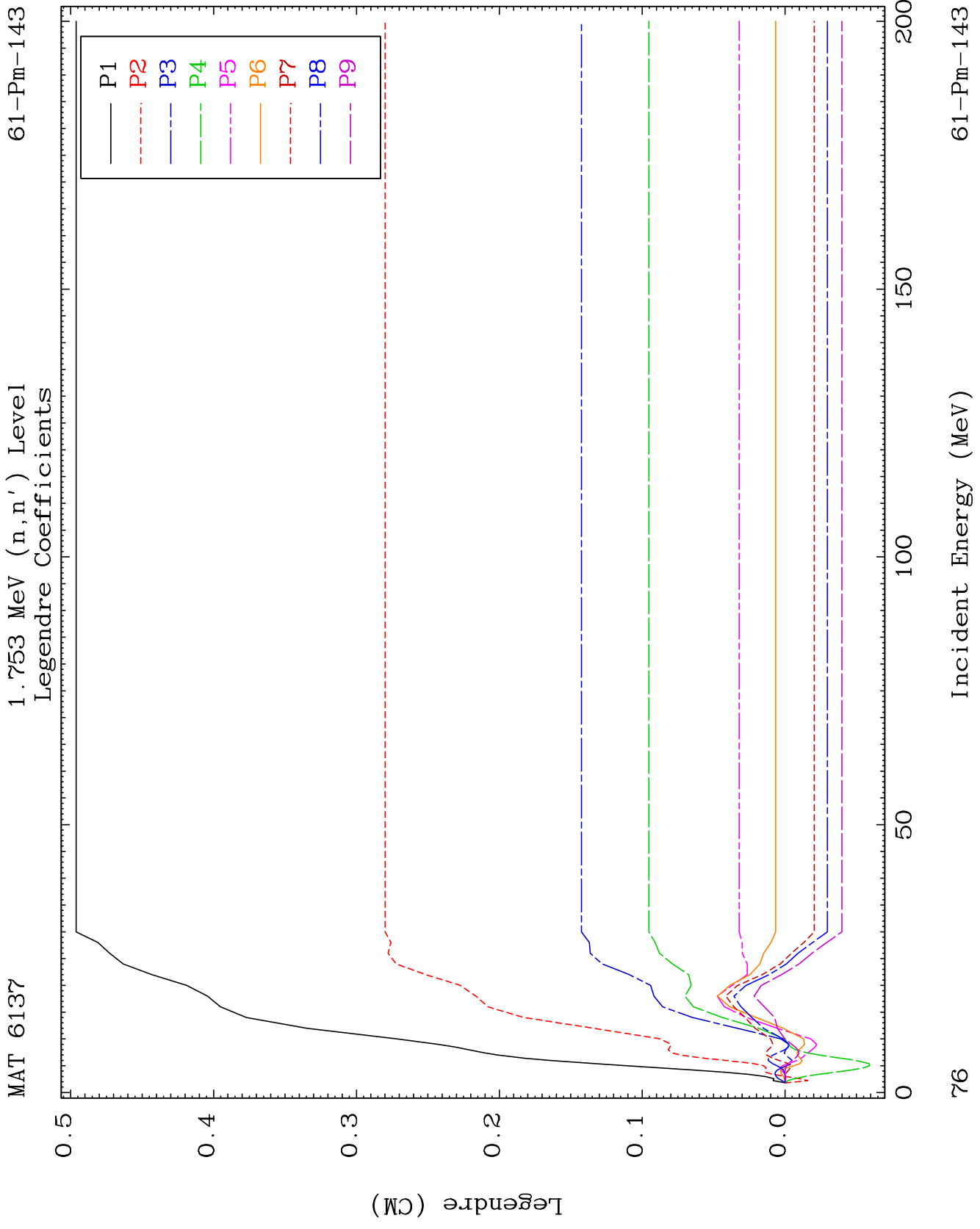


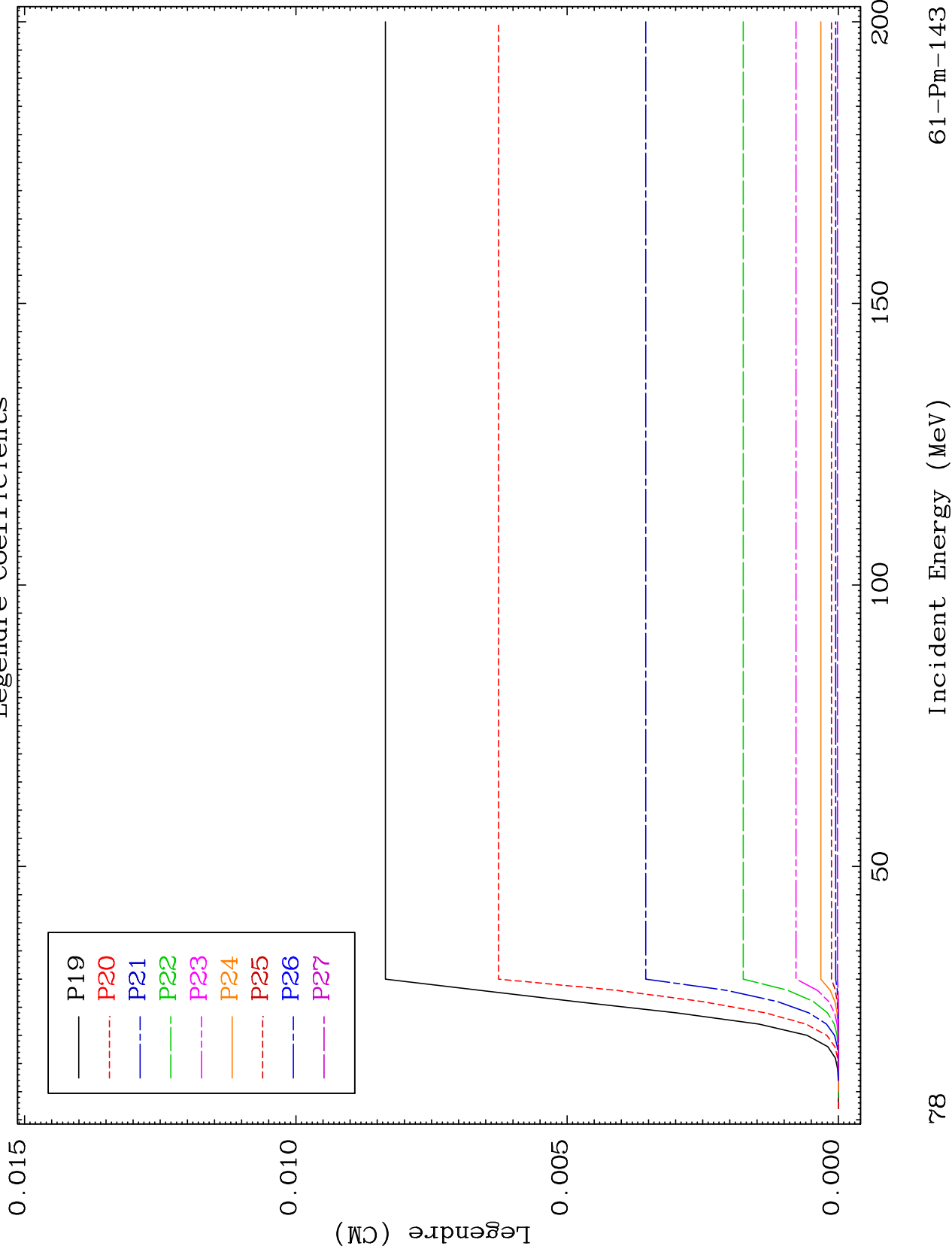
MAT 6137

1.663 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



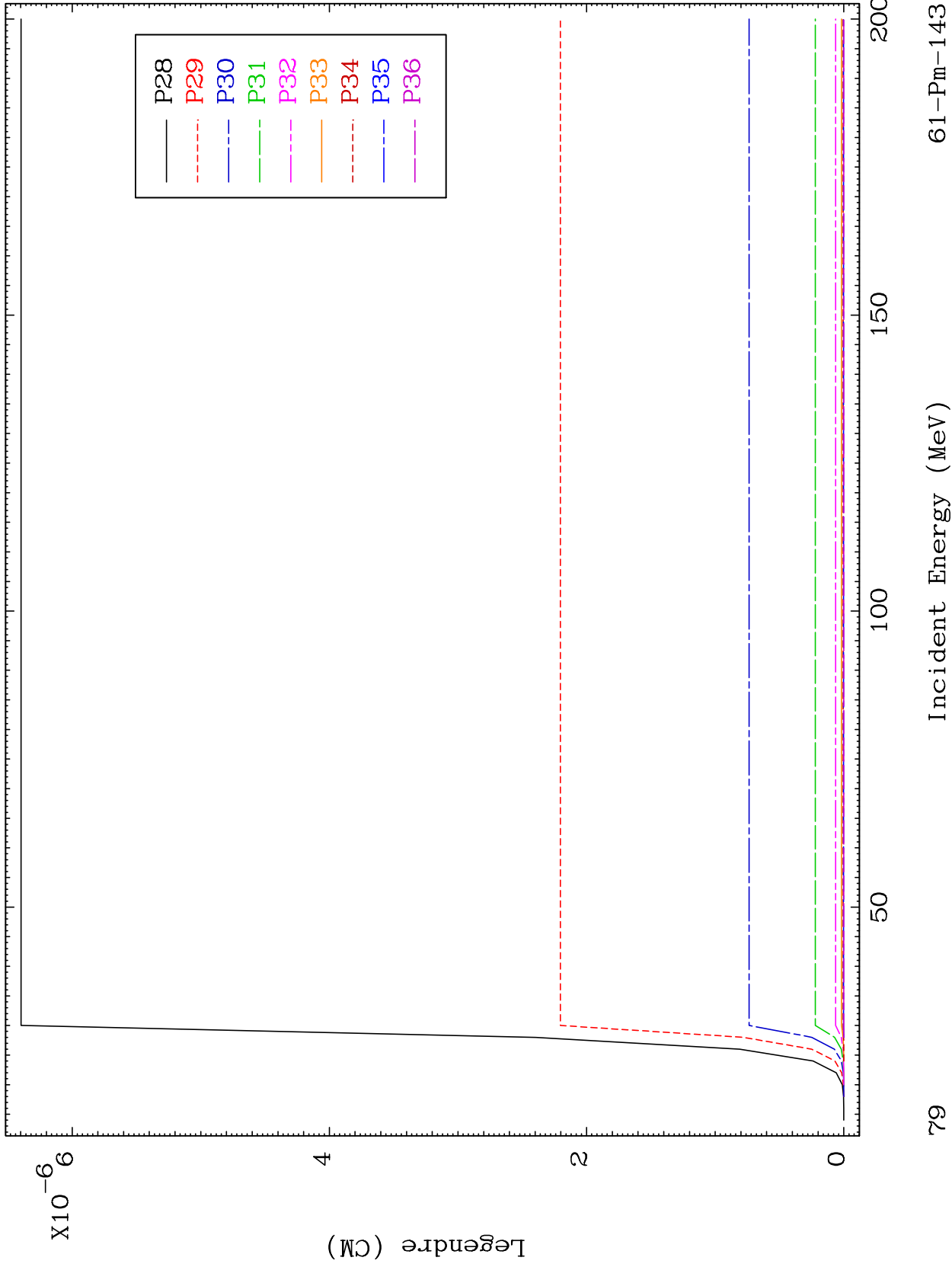




MAT 6137

1.753 MeV (n,n') Level
Legendre Coefficients

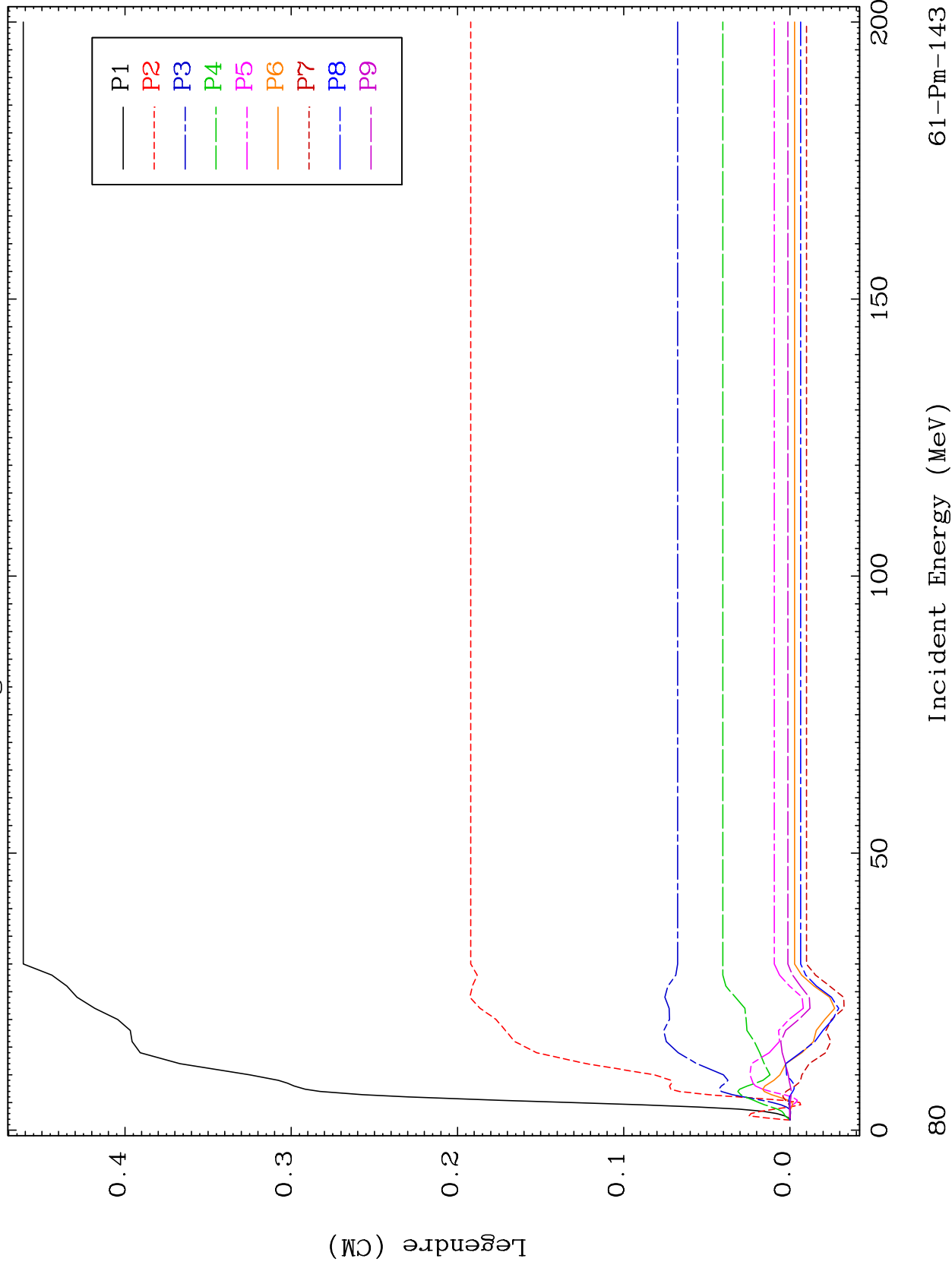
61-Pm-143



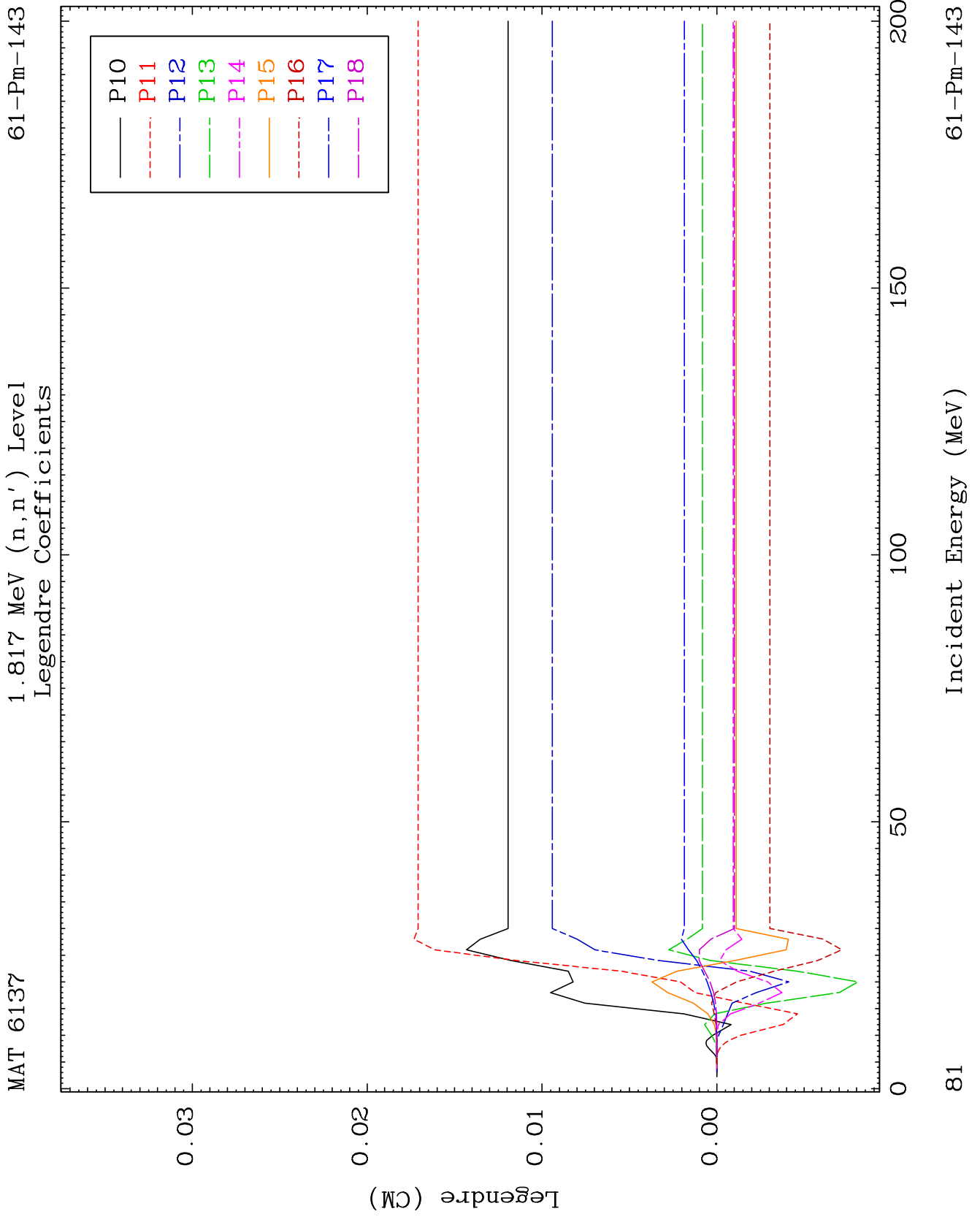
MAT 6137

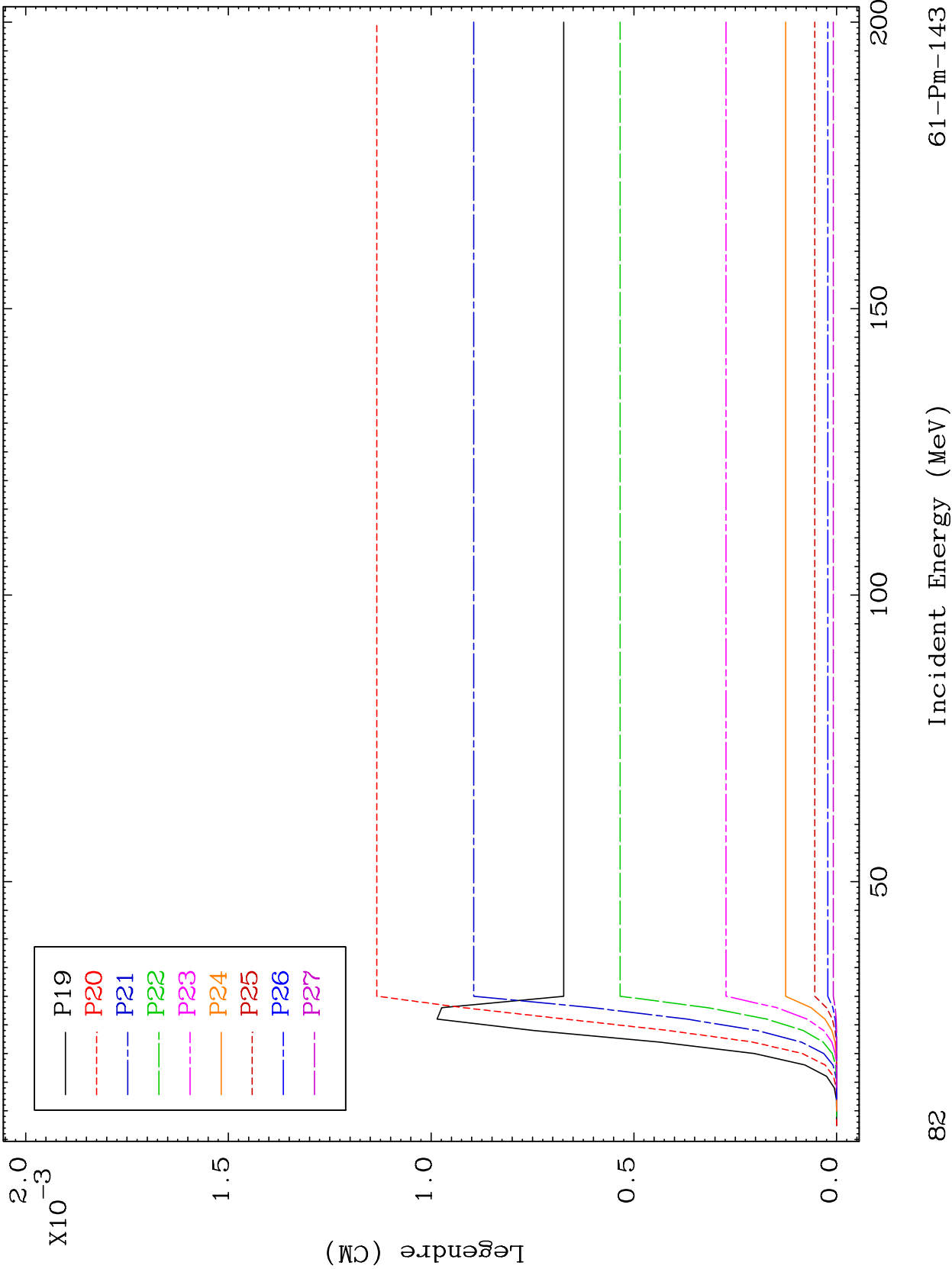
1.817 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

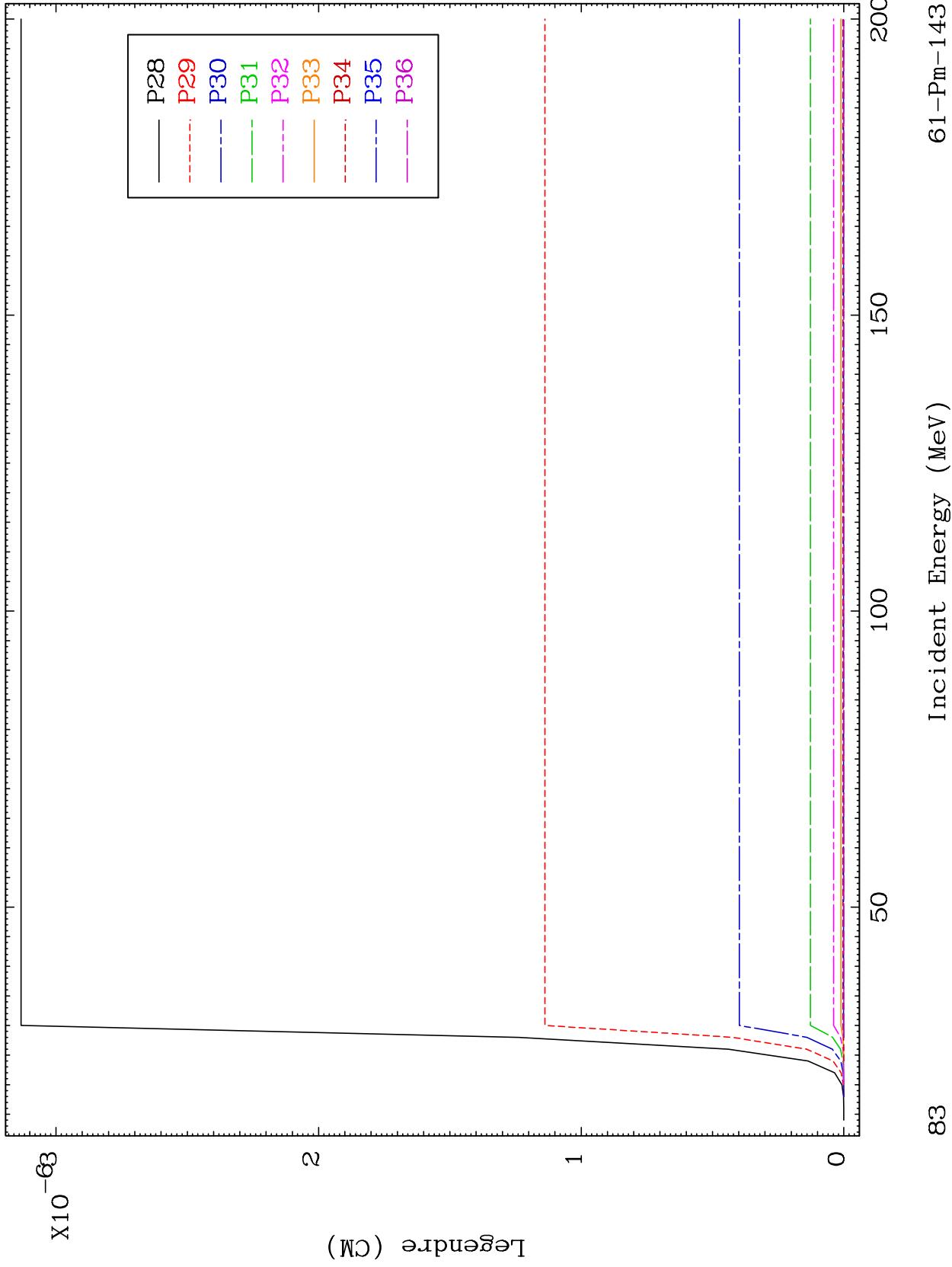


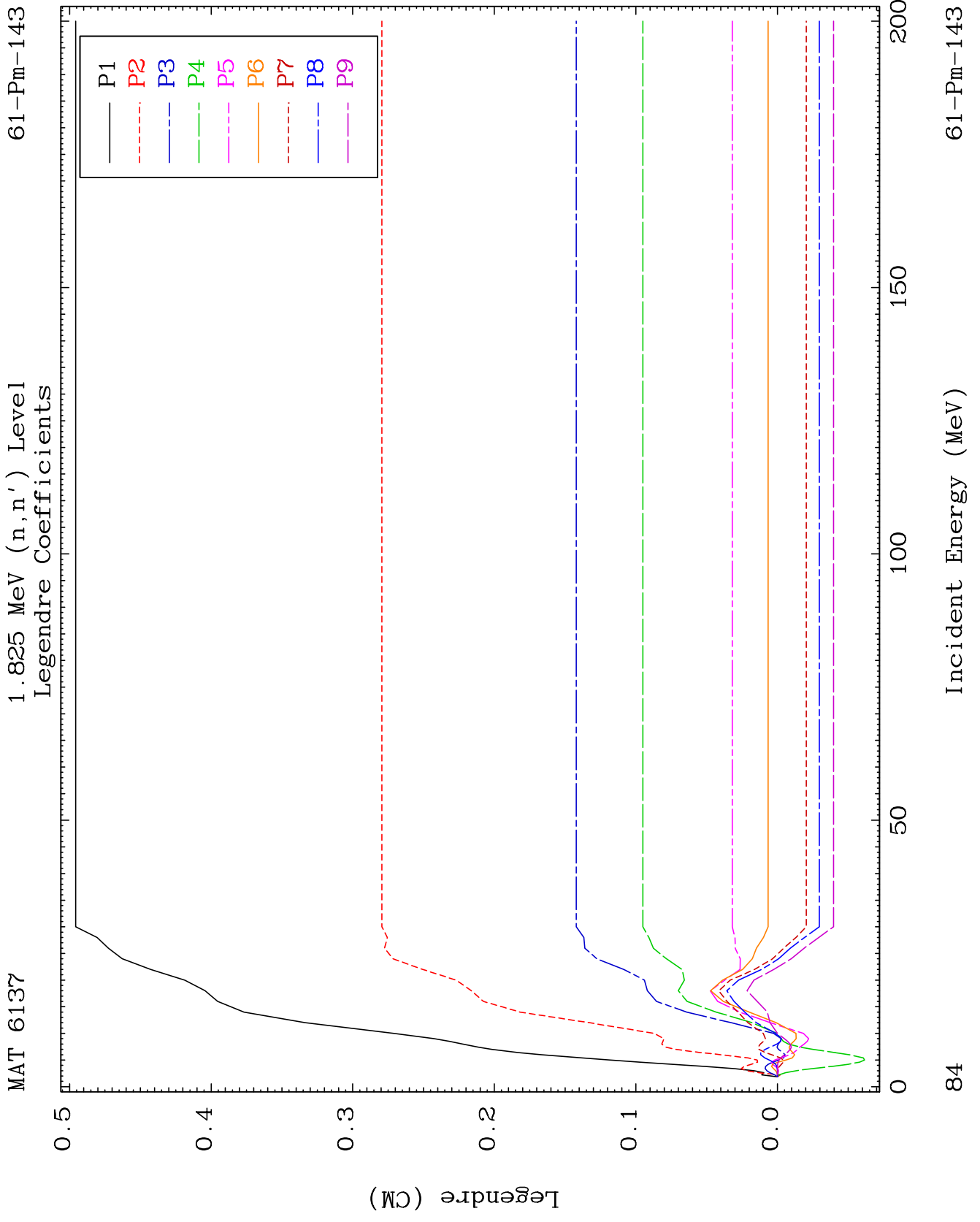


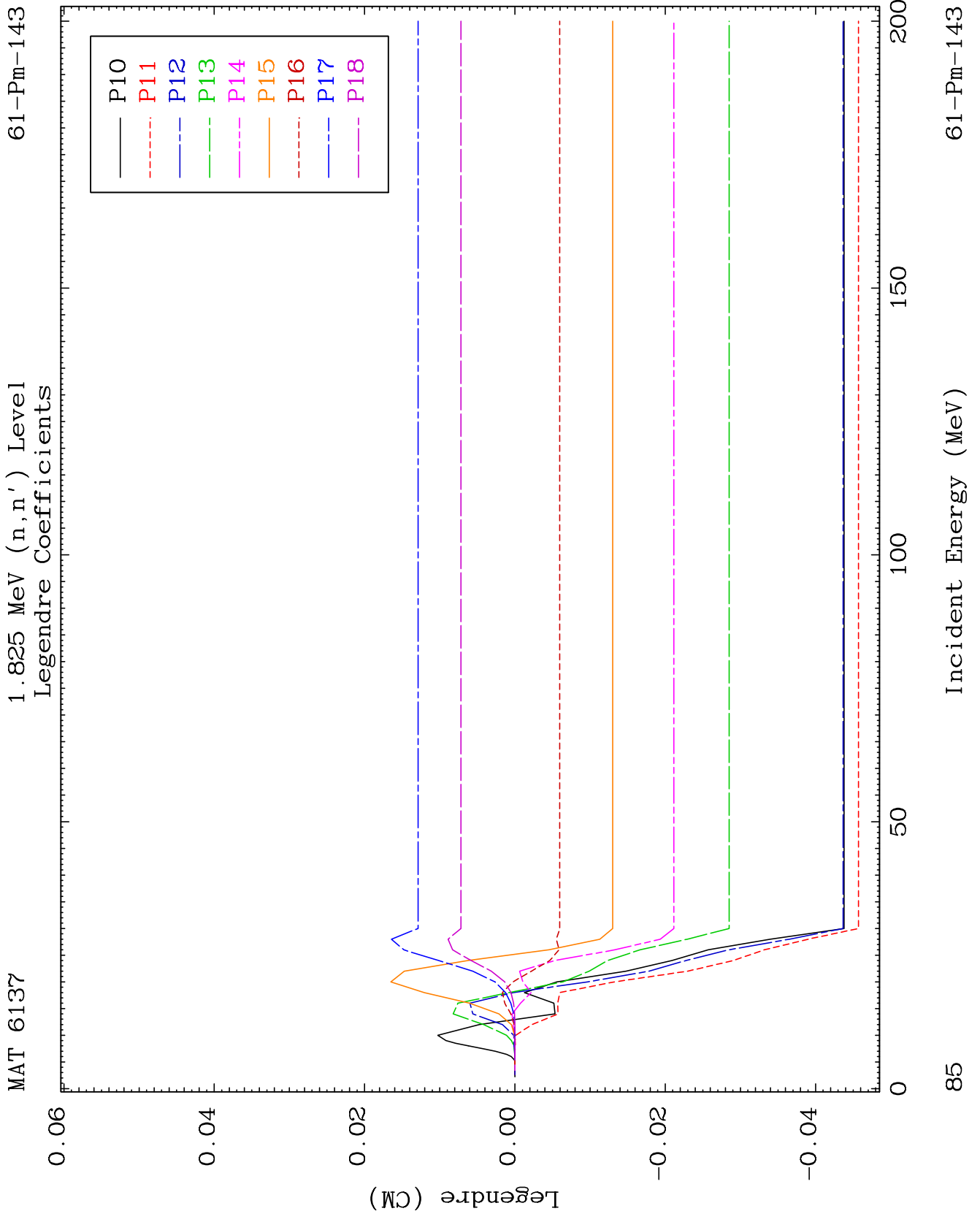
MAT 6137

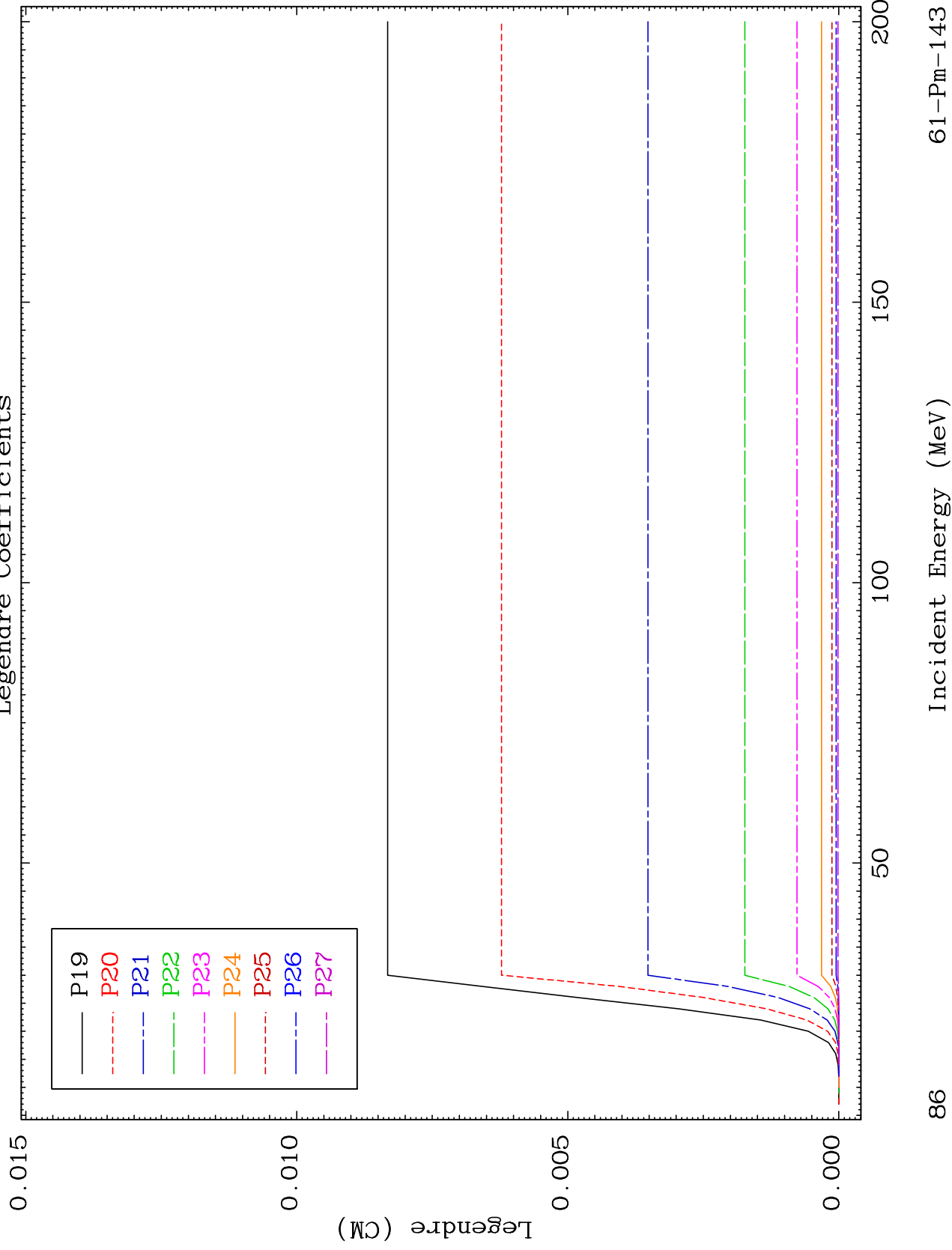
1.817 MeV (n,n') Level
Legendre Coefficients

61-Pm-143





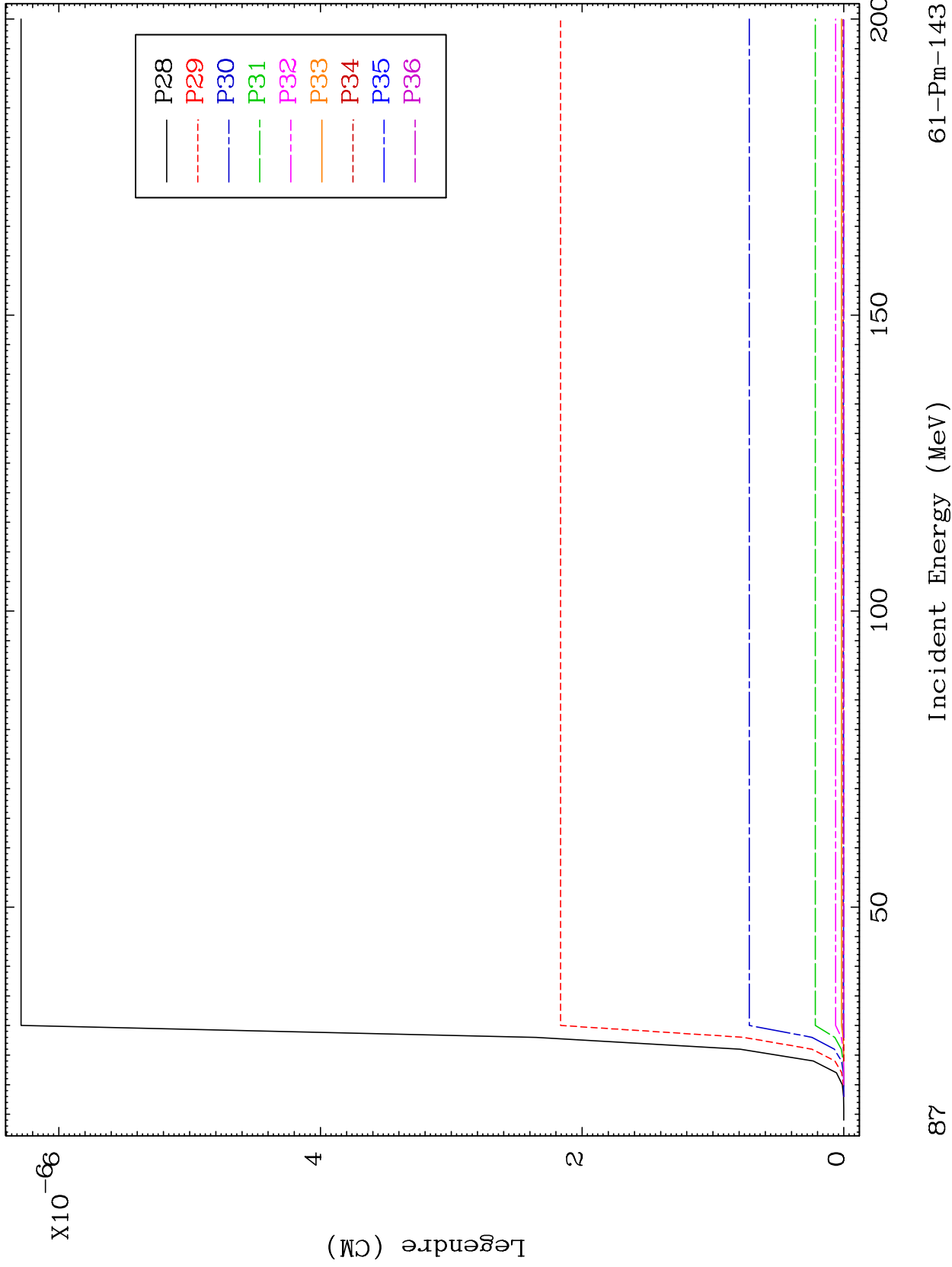




MAT 6137

1.825 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



87

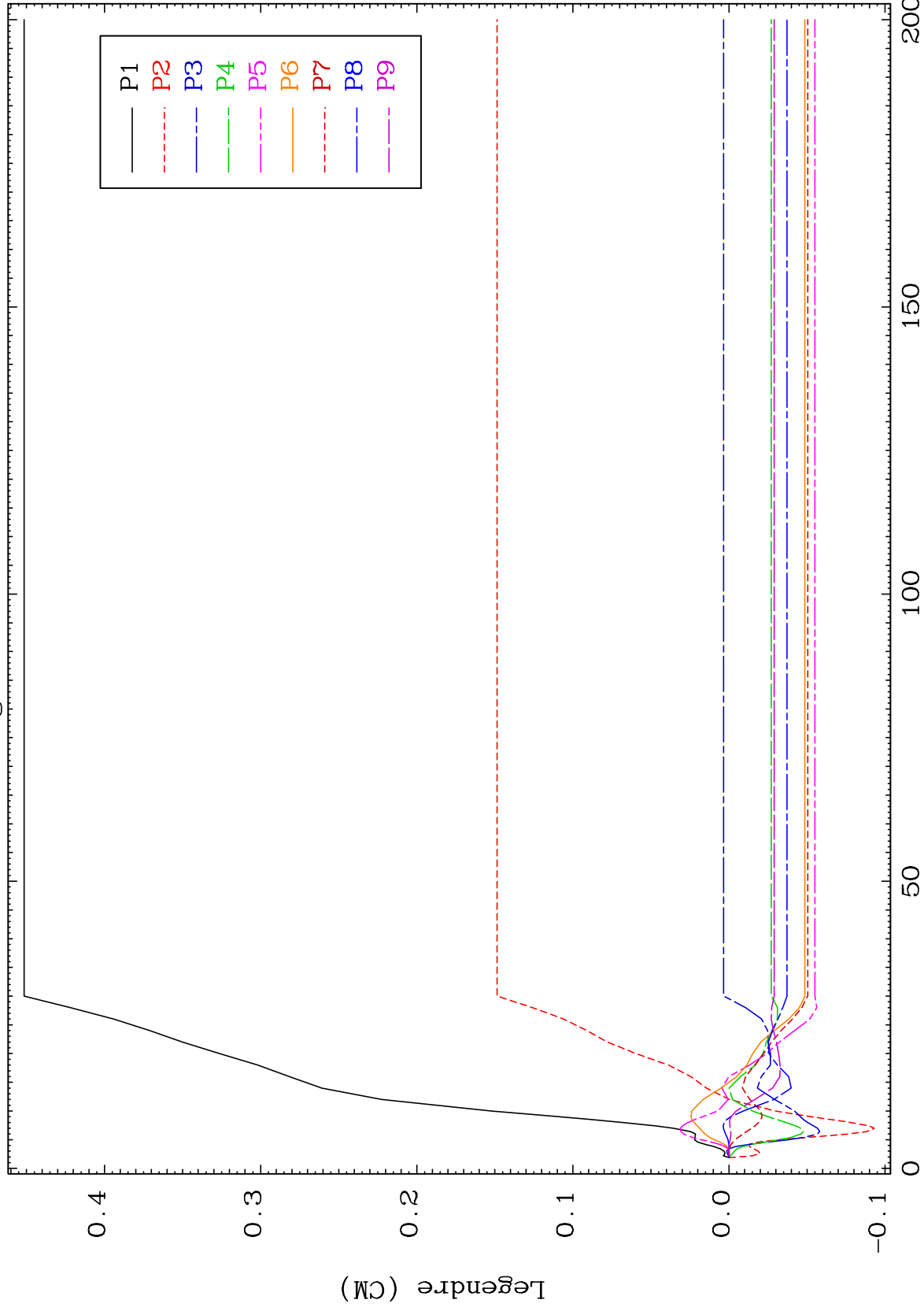
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.854 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

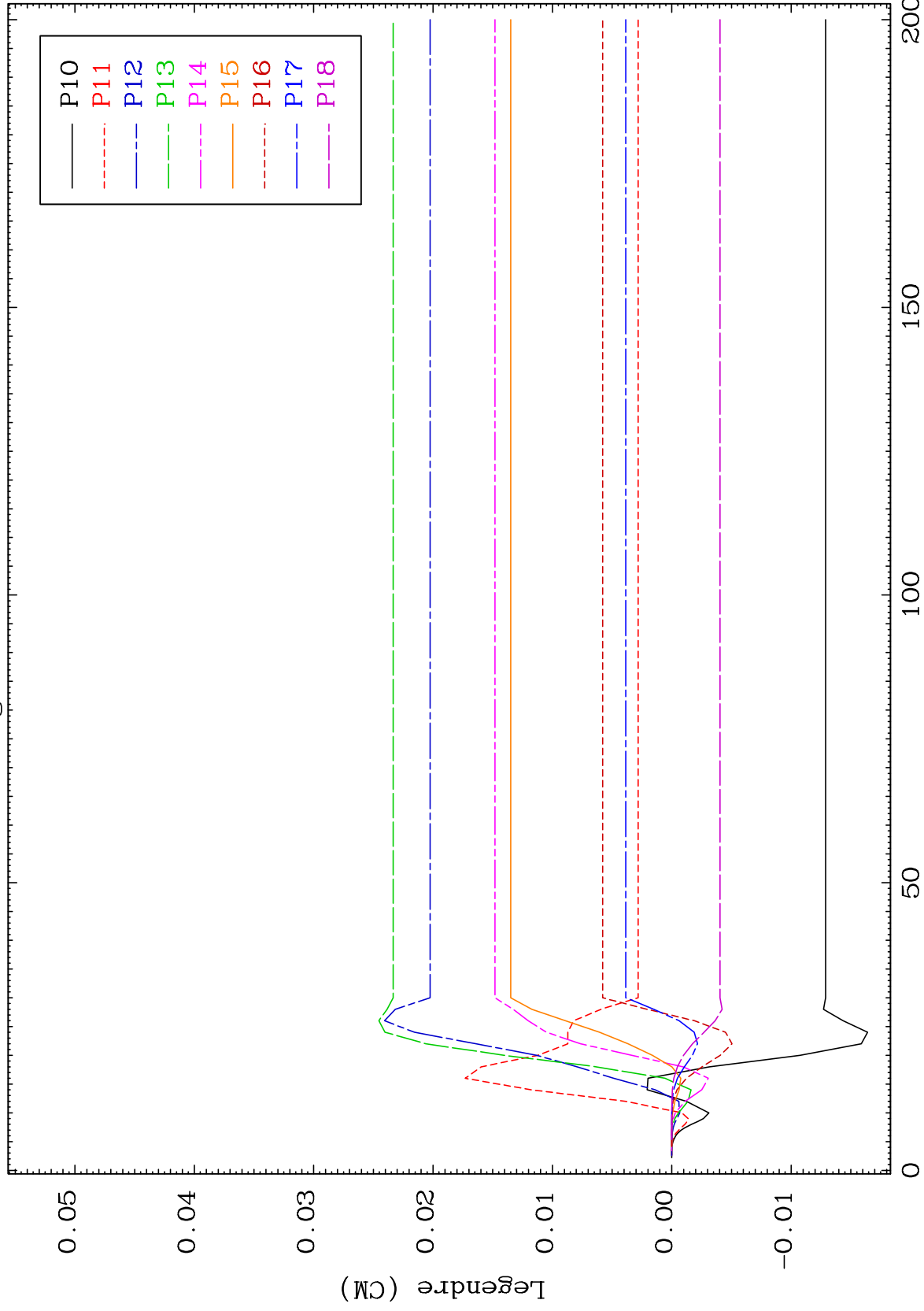
Incident Energy (MeV)

88

MAT 6137

1.854 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



89

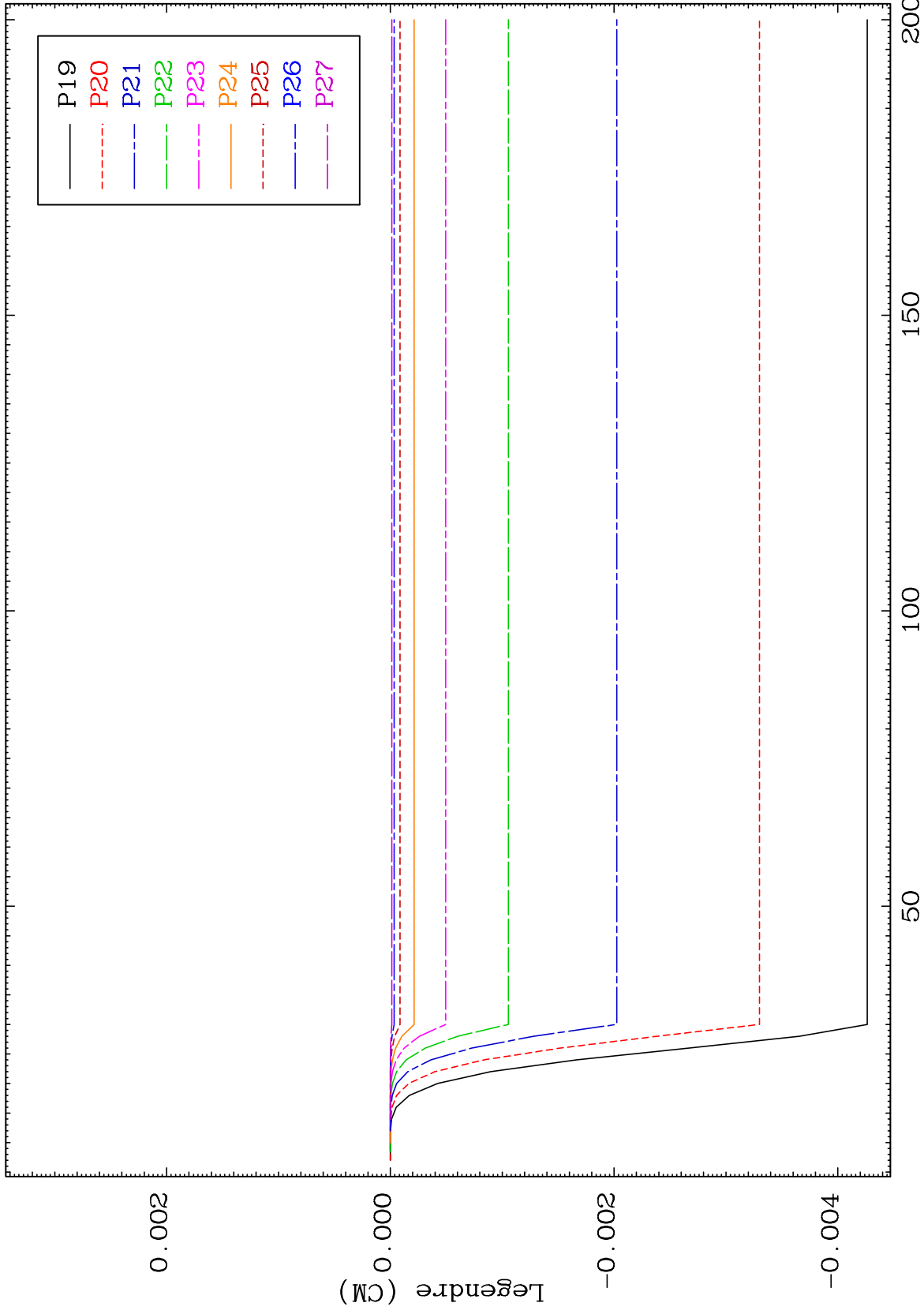
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.854 MeV (n,n') Level
Legendre Coefficients

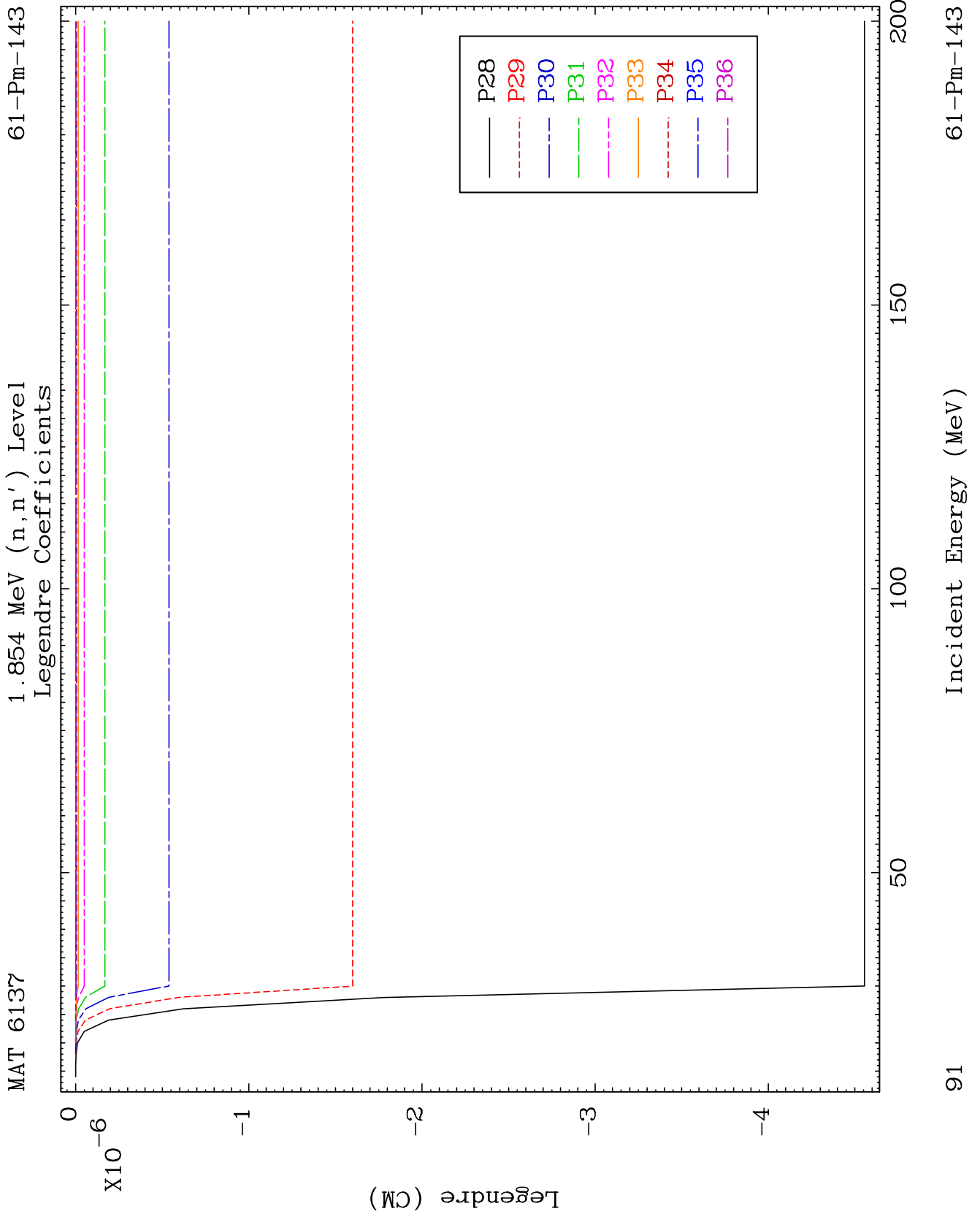
61-Pm-143



90

Incident Energy (MeV)

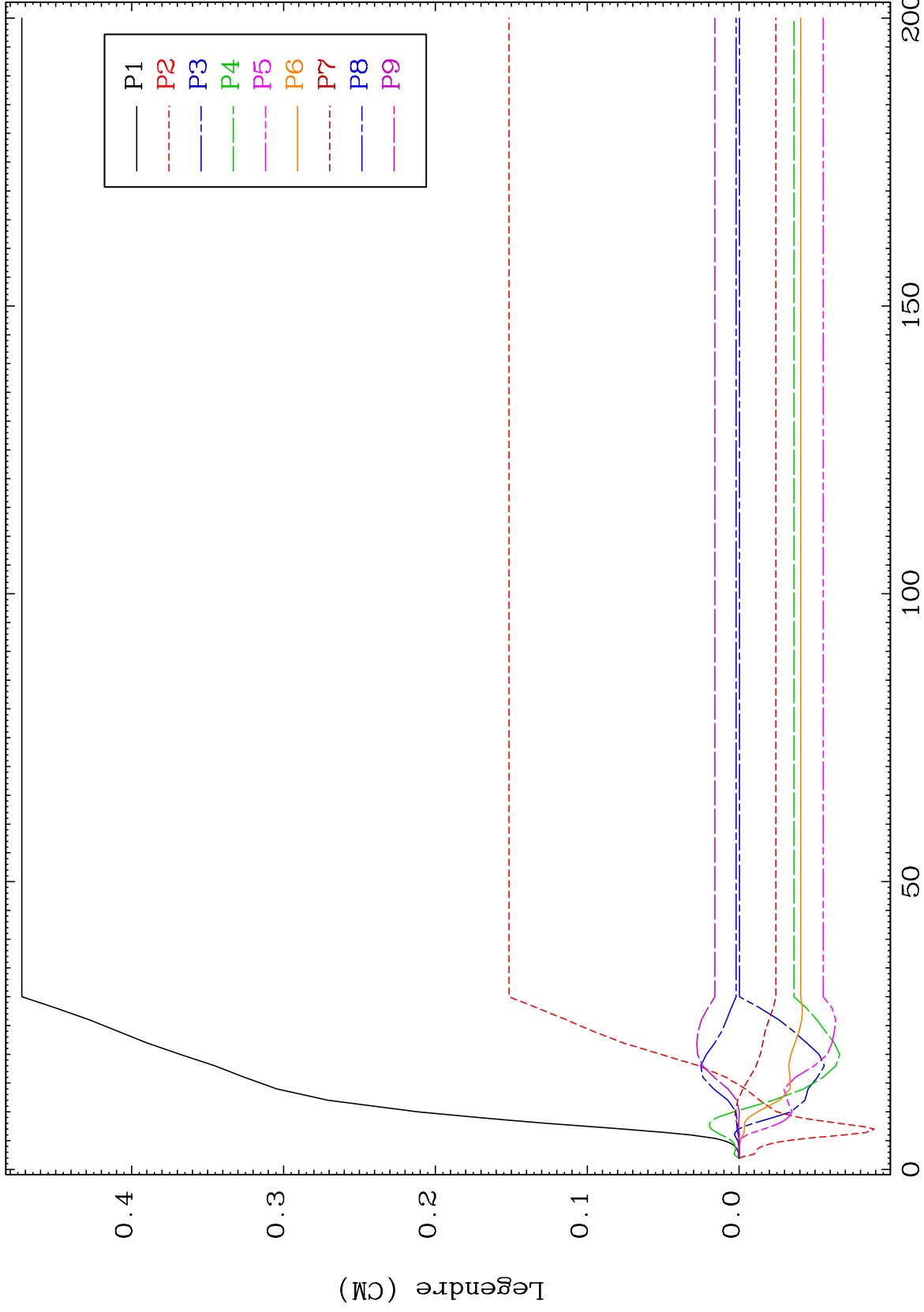
61-Pm-143



MAT 6137

1.898 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



92

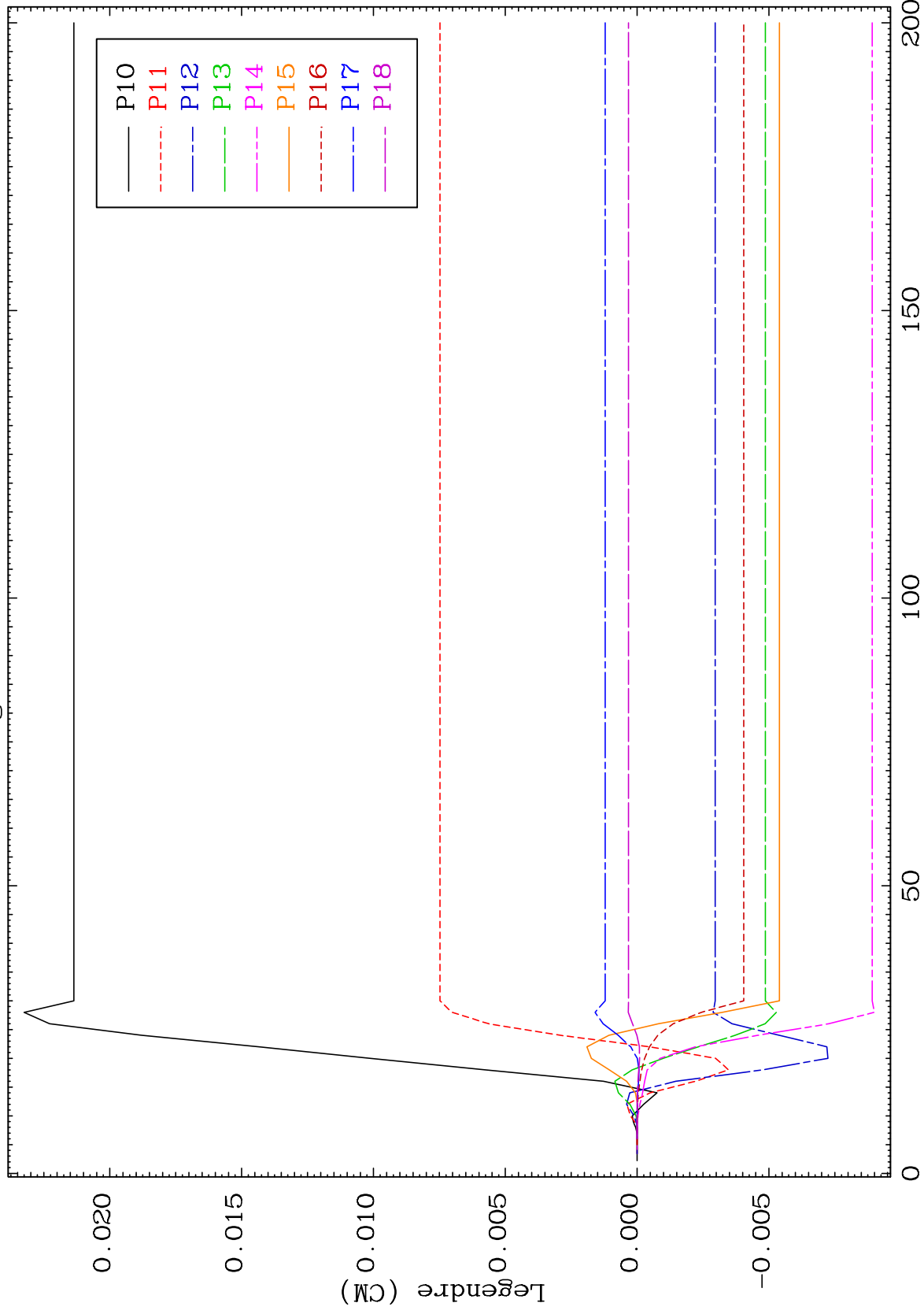
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.898 MeV (n,n') Level
Legendre Coefficients

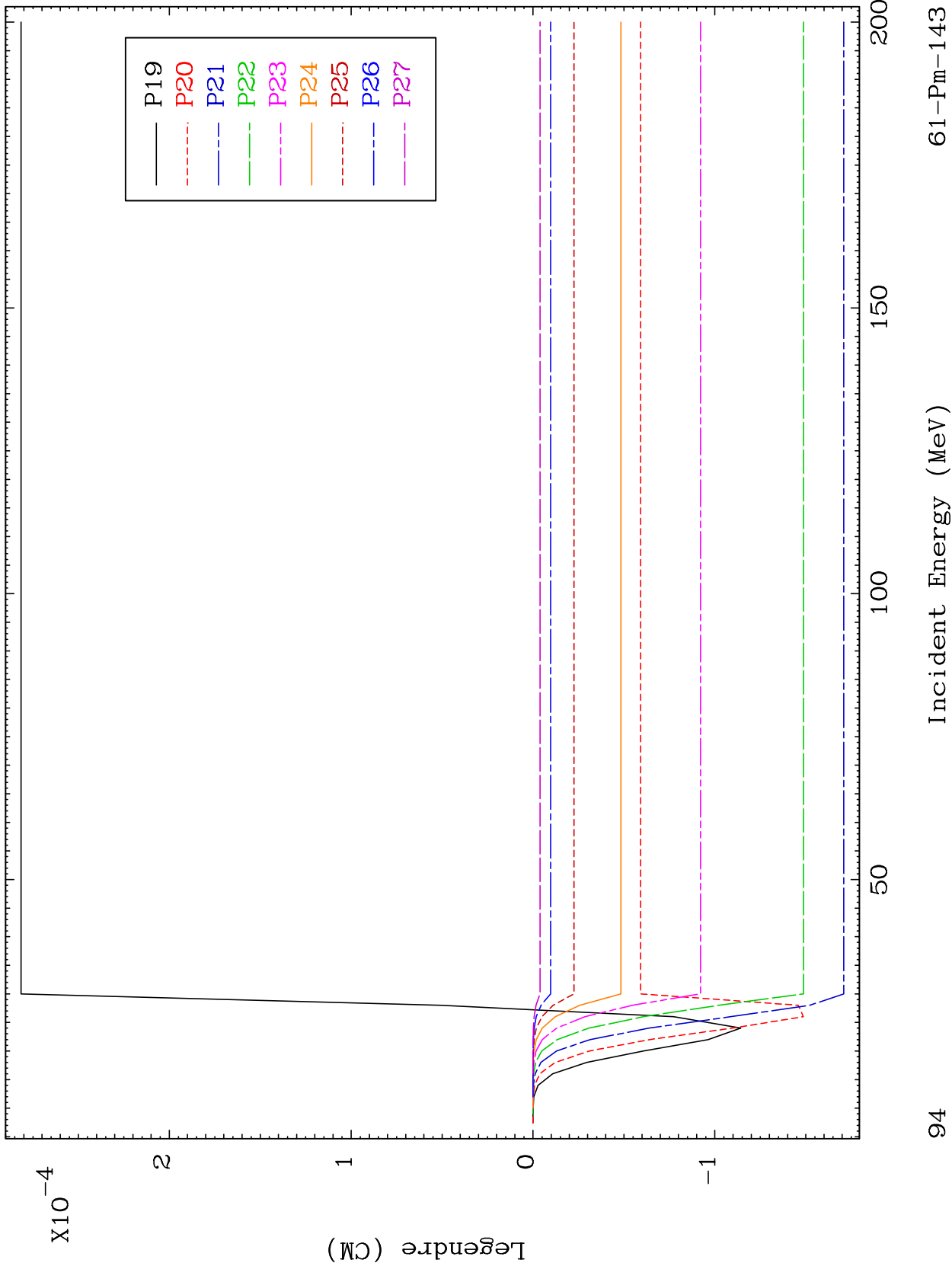
61-Pm-143



93

Incident Energy (MeV)

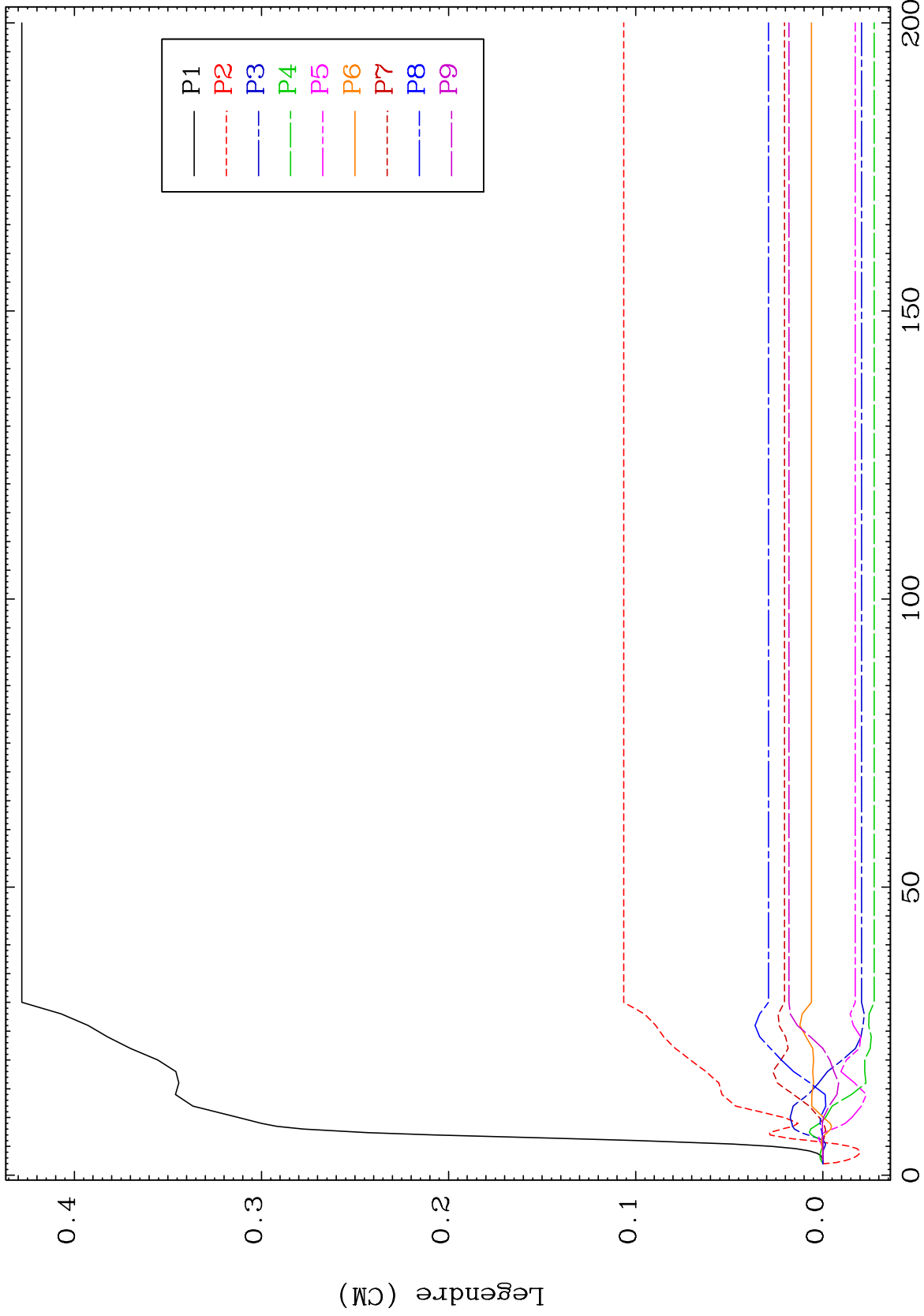
61-Pm-143



MAT 6137

1.951 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



96

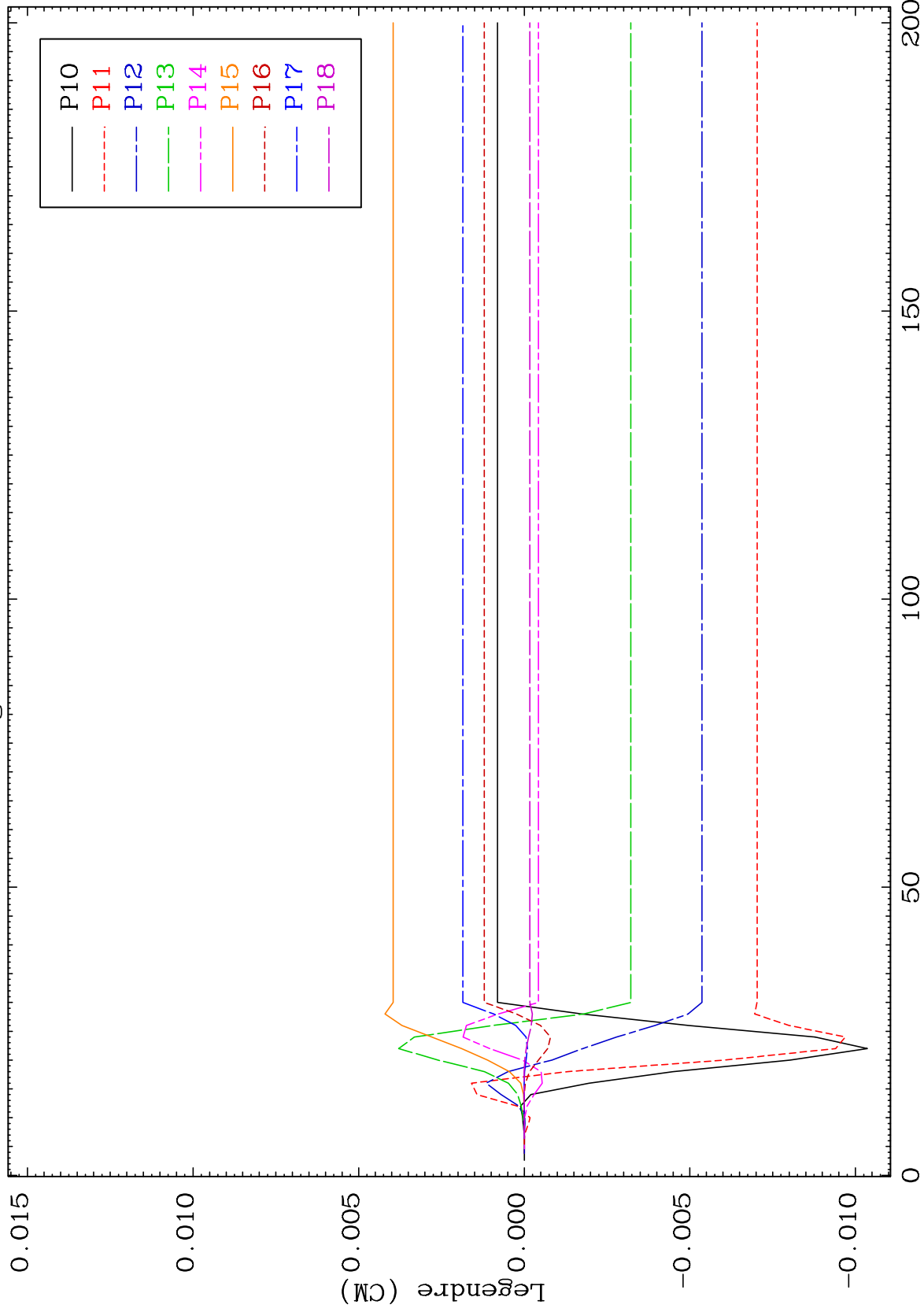
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.951 MeV (n,n') Level
Legendre Coefficients

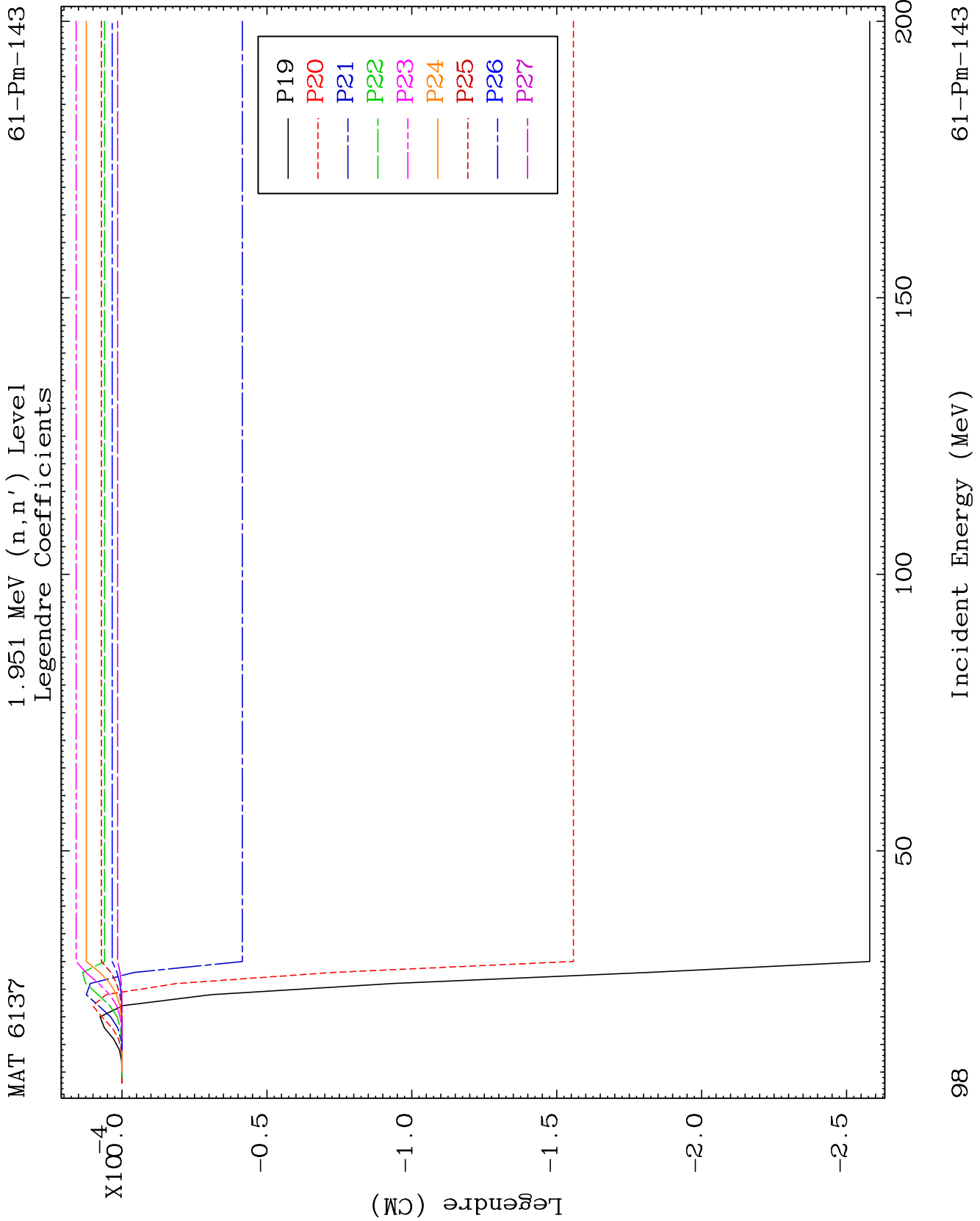
61-Pm-143



97

Incident Energy (MeV)

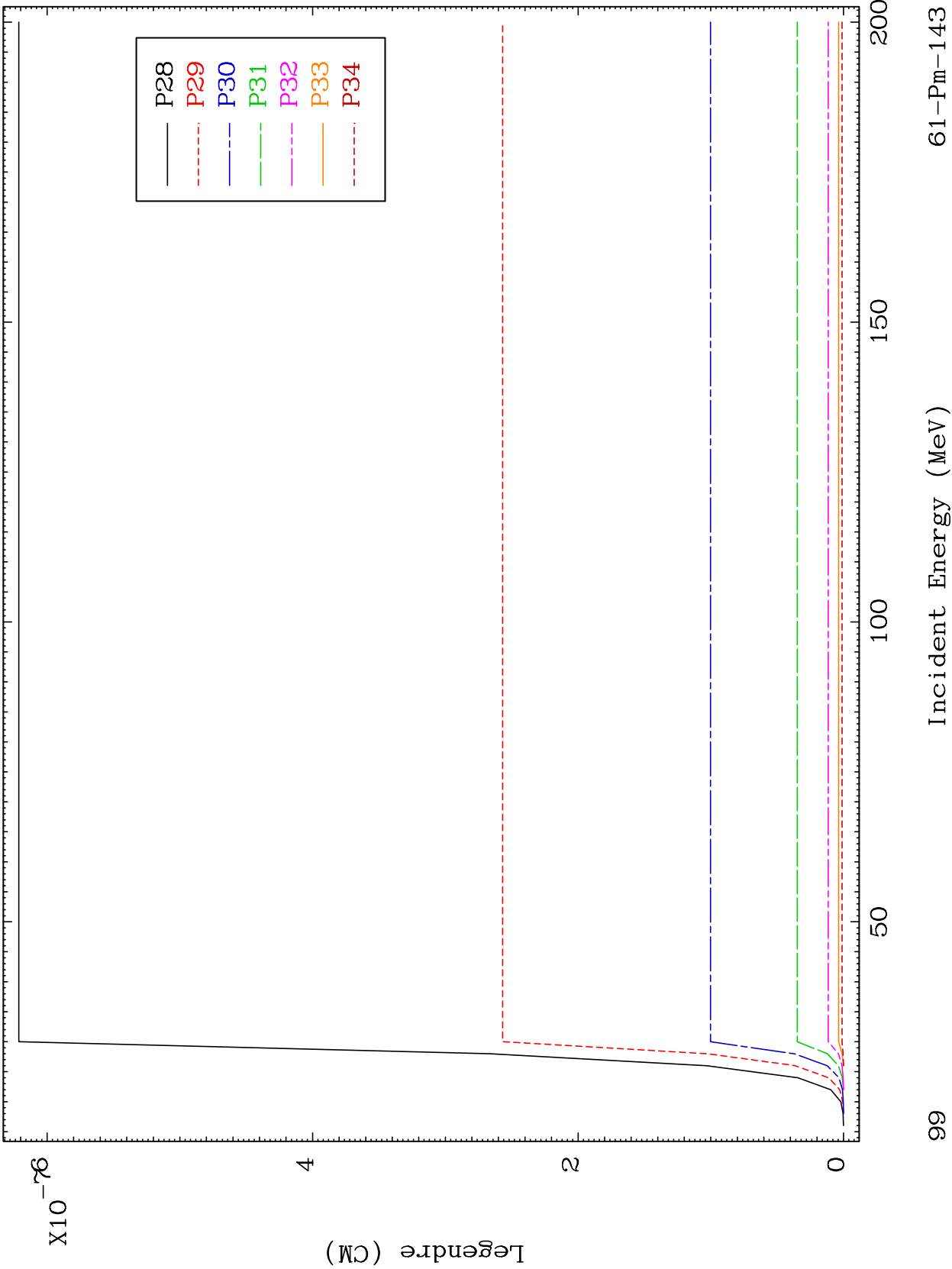
61-Pm-143



MAT 6137

1.951 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



99

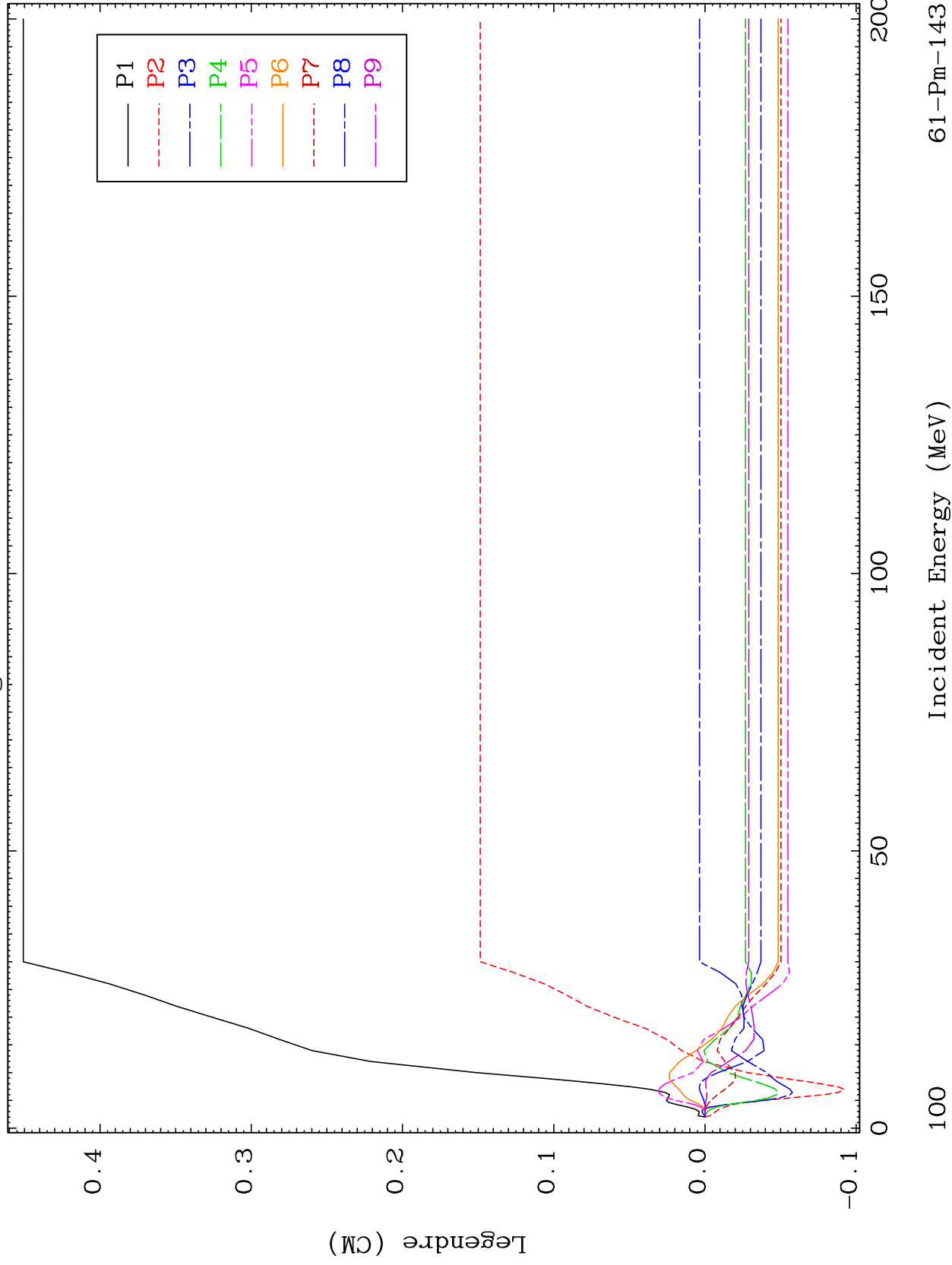
Incident Energy (MeV)

61-Pm-143

MAT 6137

1.969 MeV (n,n') Level
Legendre Coefficients

61-Pm-143

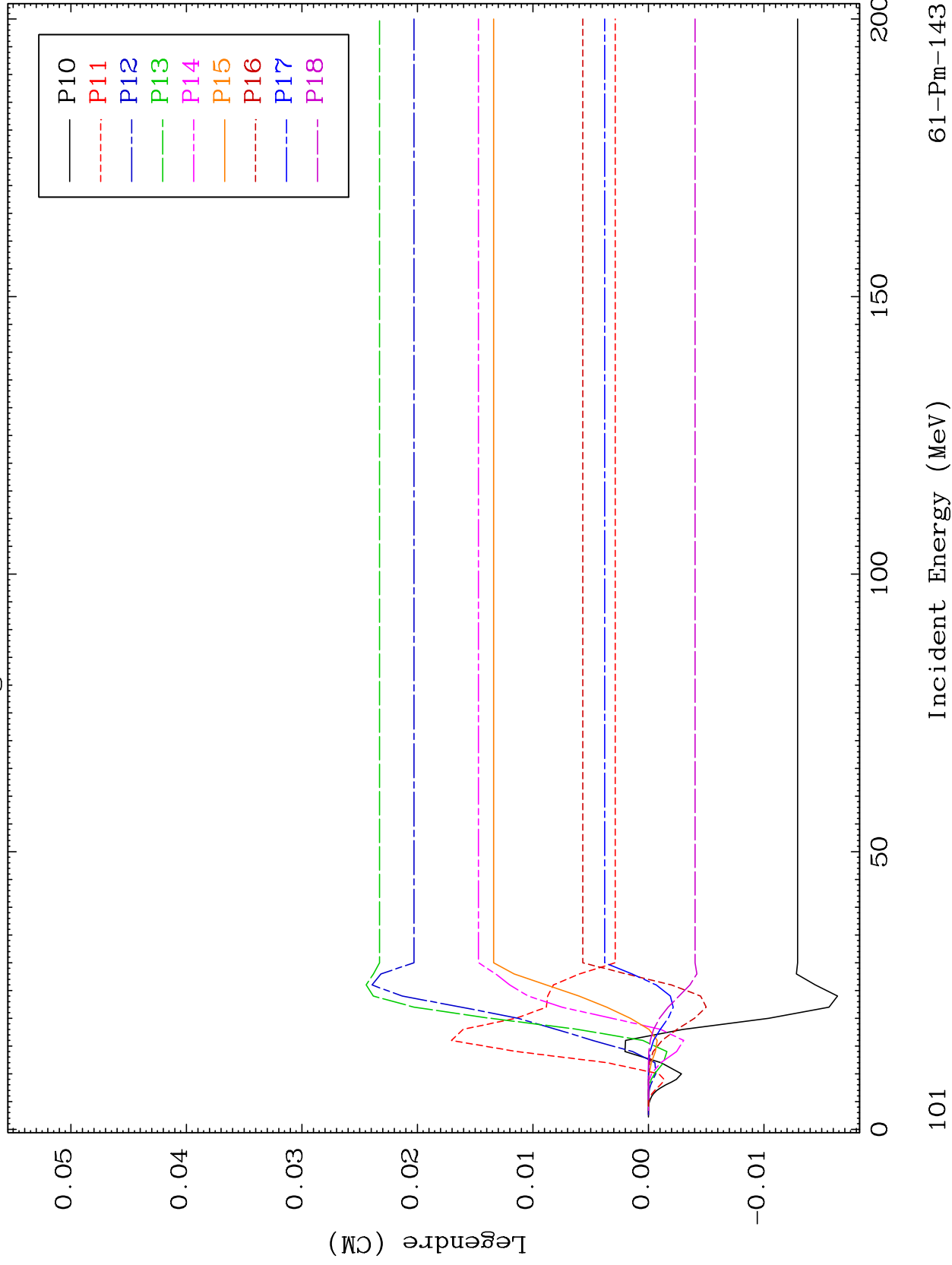


61-Pm-143

MAT 6137

1.969 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

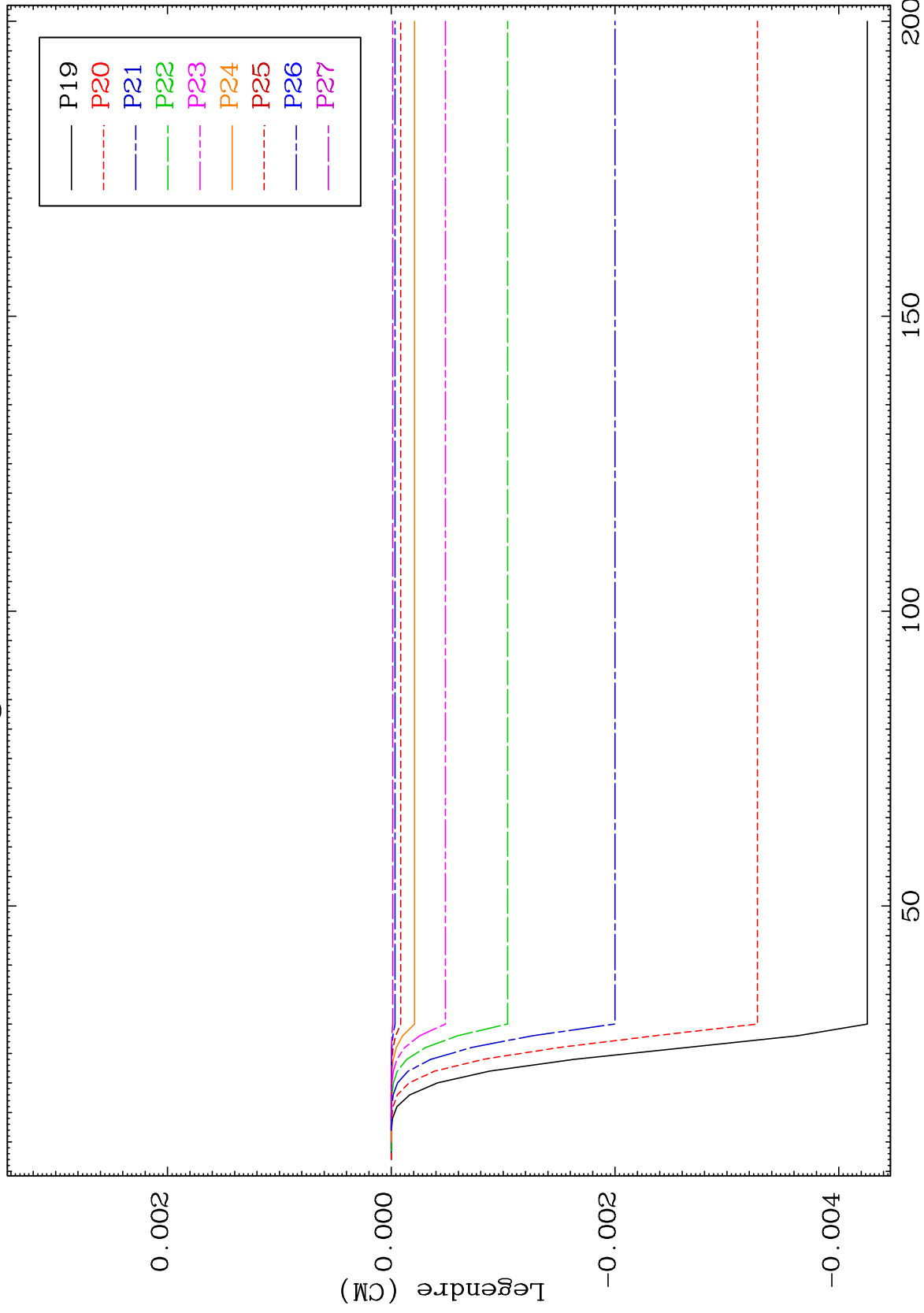
Incident Energy (MeV)

101

MAT 6137

1.969 MeV (n,n') Level
Legendre Coefficients

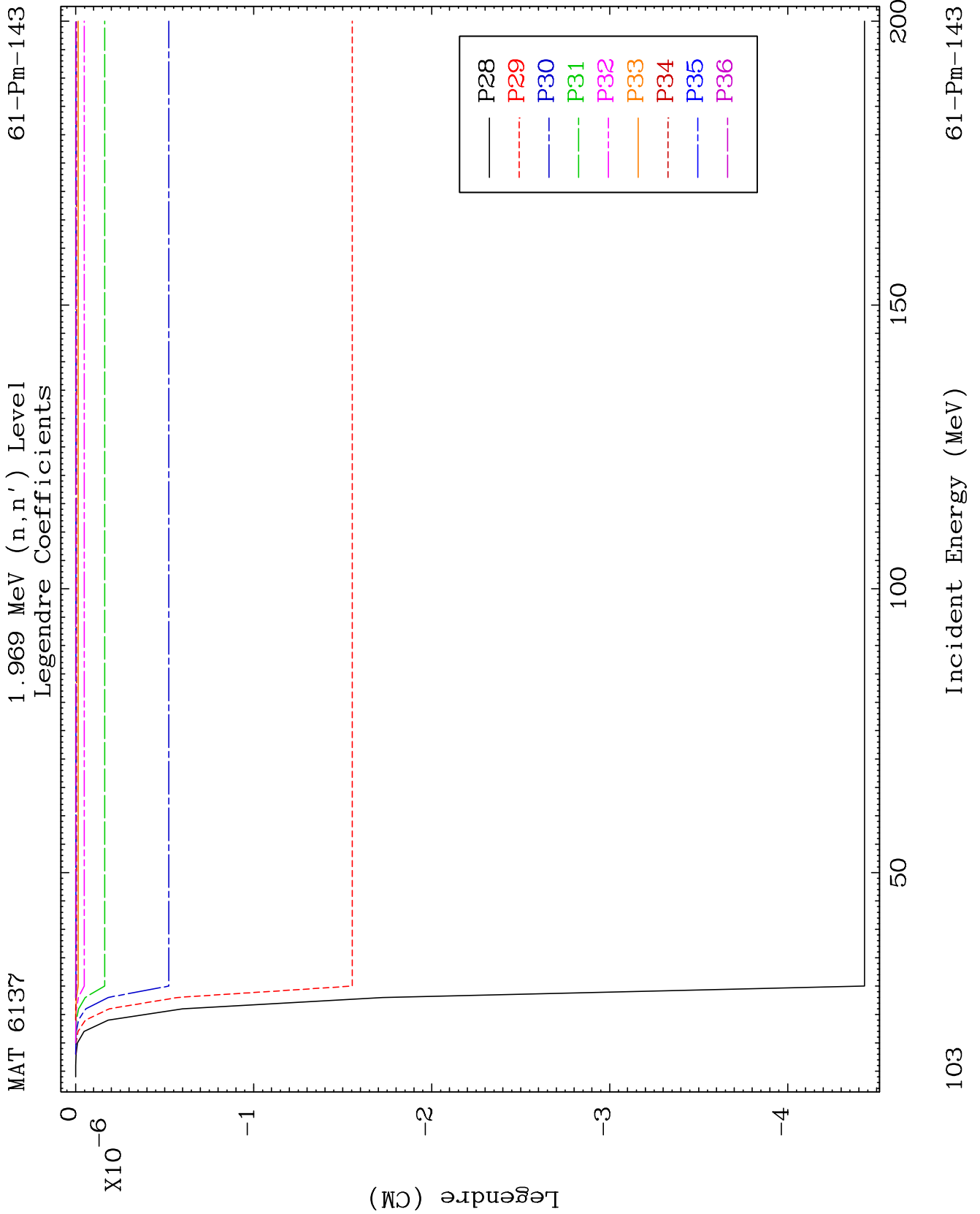
61-Pm-143



102

Incident Energy (MeV)

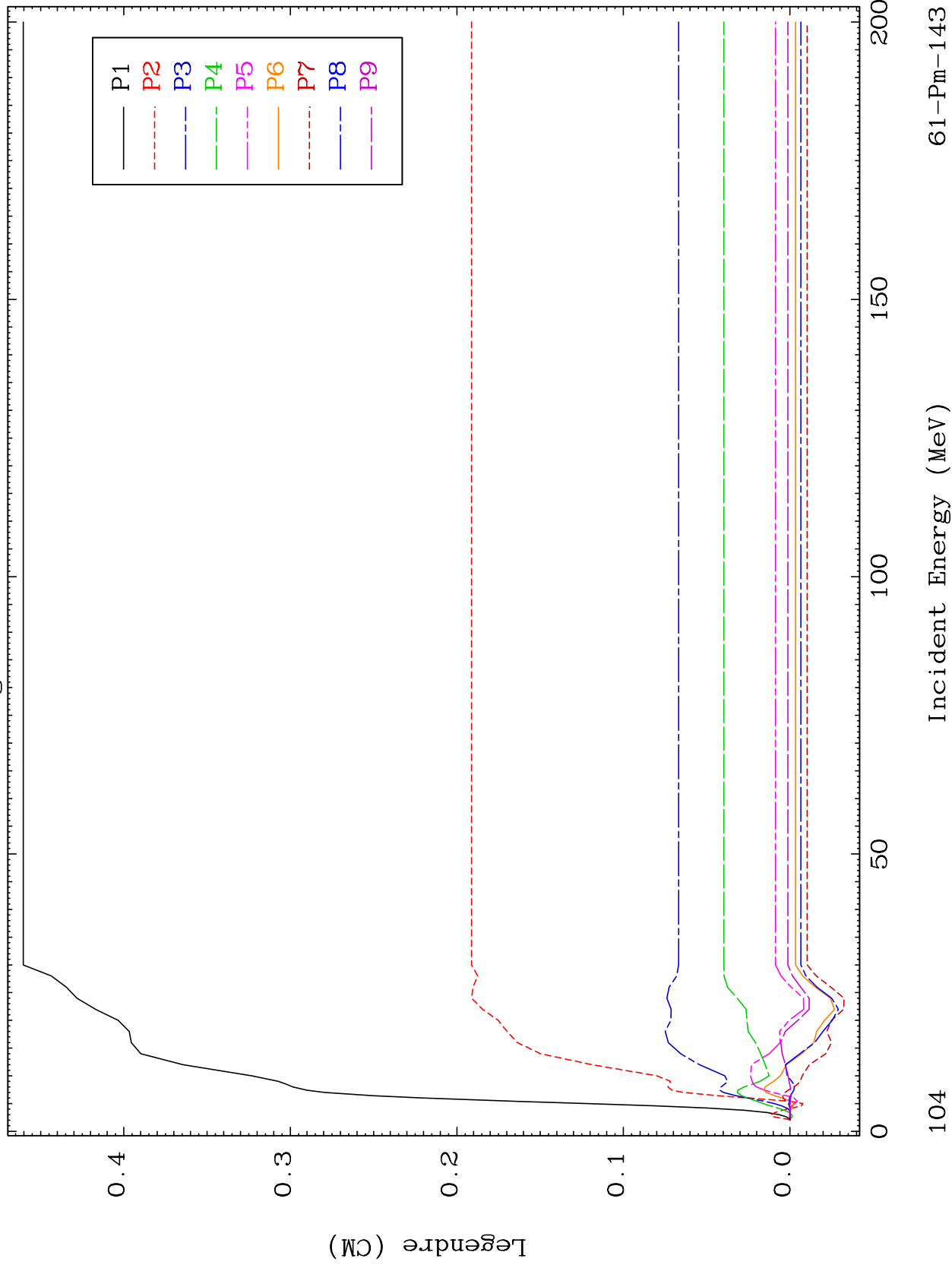
61-Pm-143



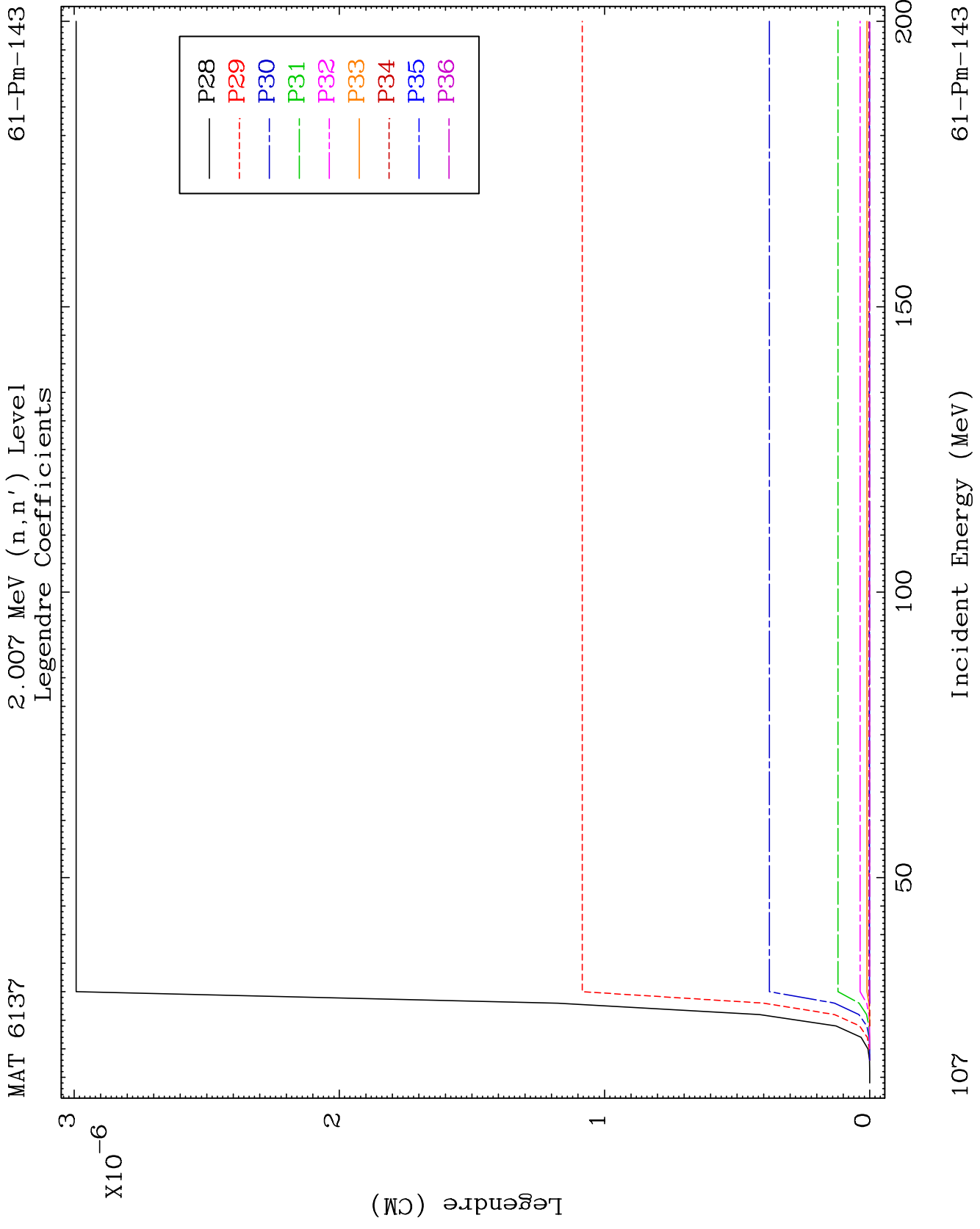
MAT 6137

2.007 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



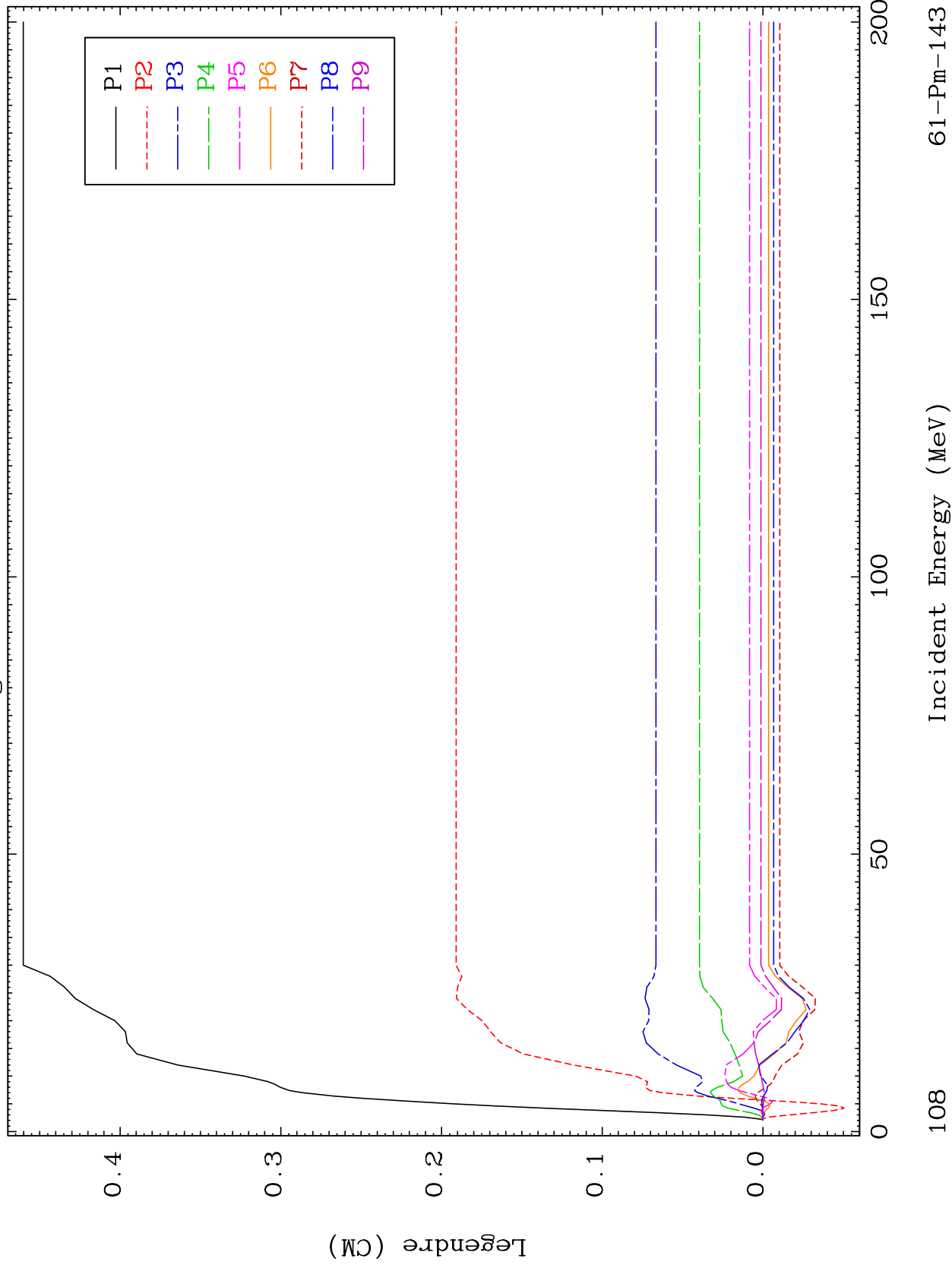
104



MAT 6137

2.060 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

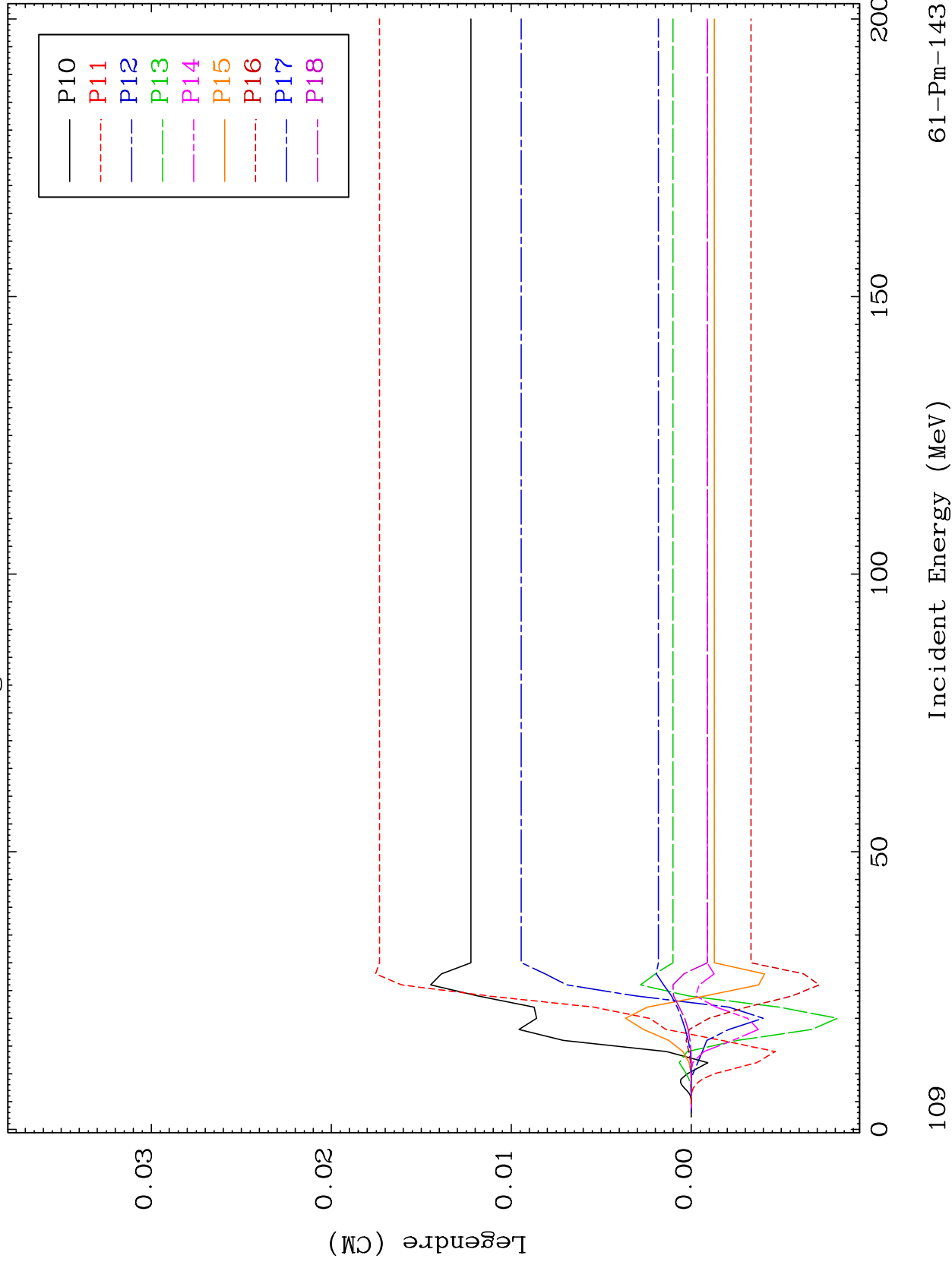
Incident Energy (MeV)

108

MAT 6137

2.060 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

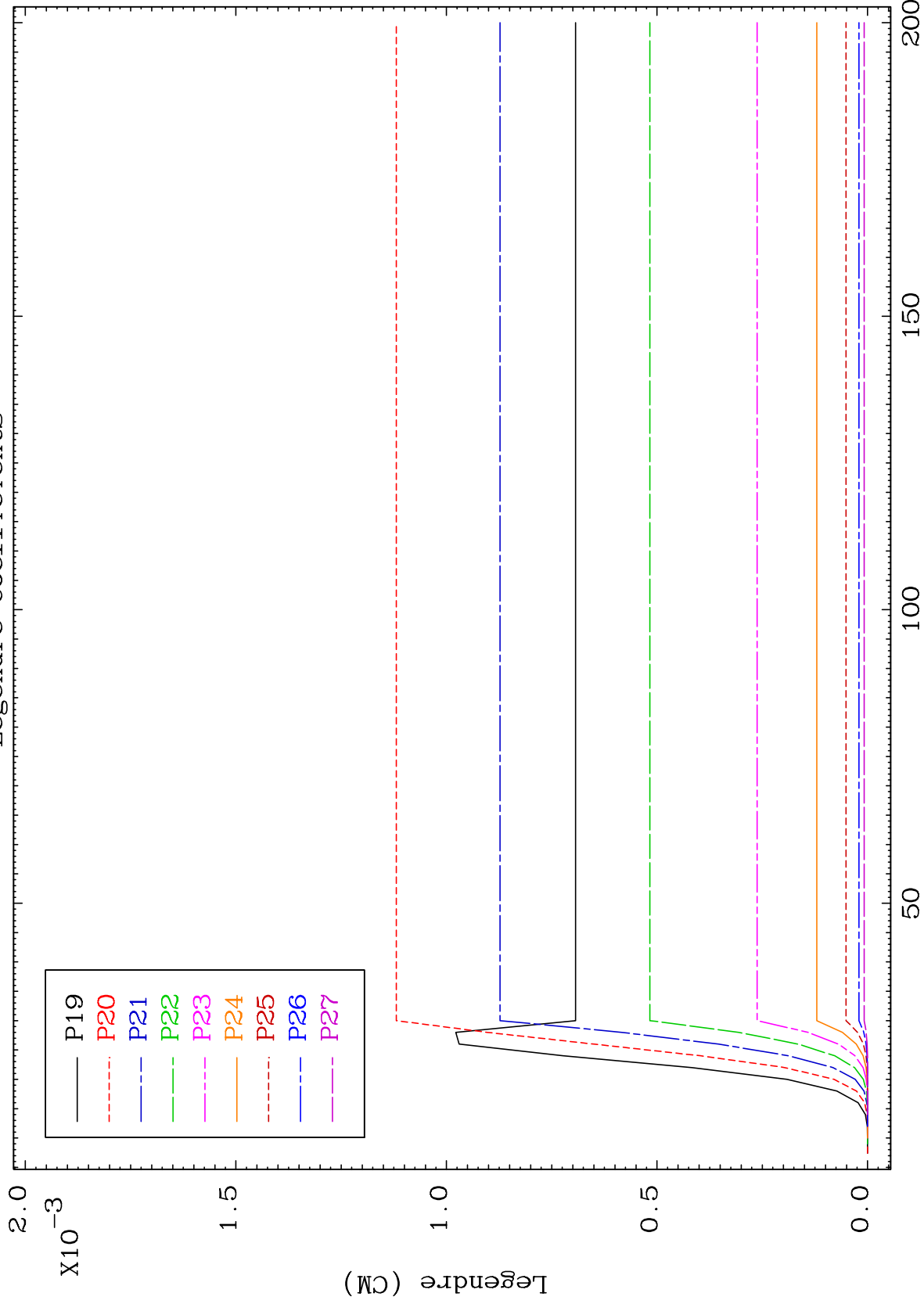
Incident Energy (MeV)

109

MAT 6137

2.060 MeV (n,n') Level
Legendre Coefficients

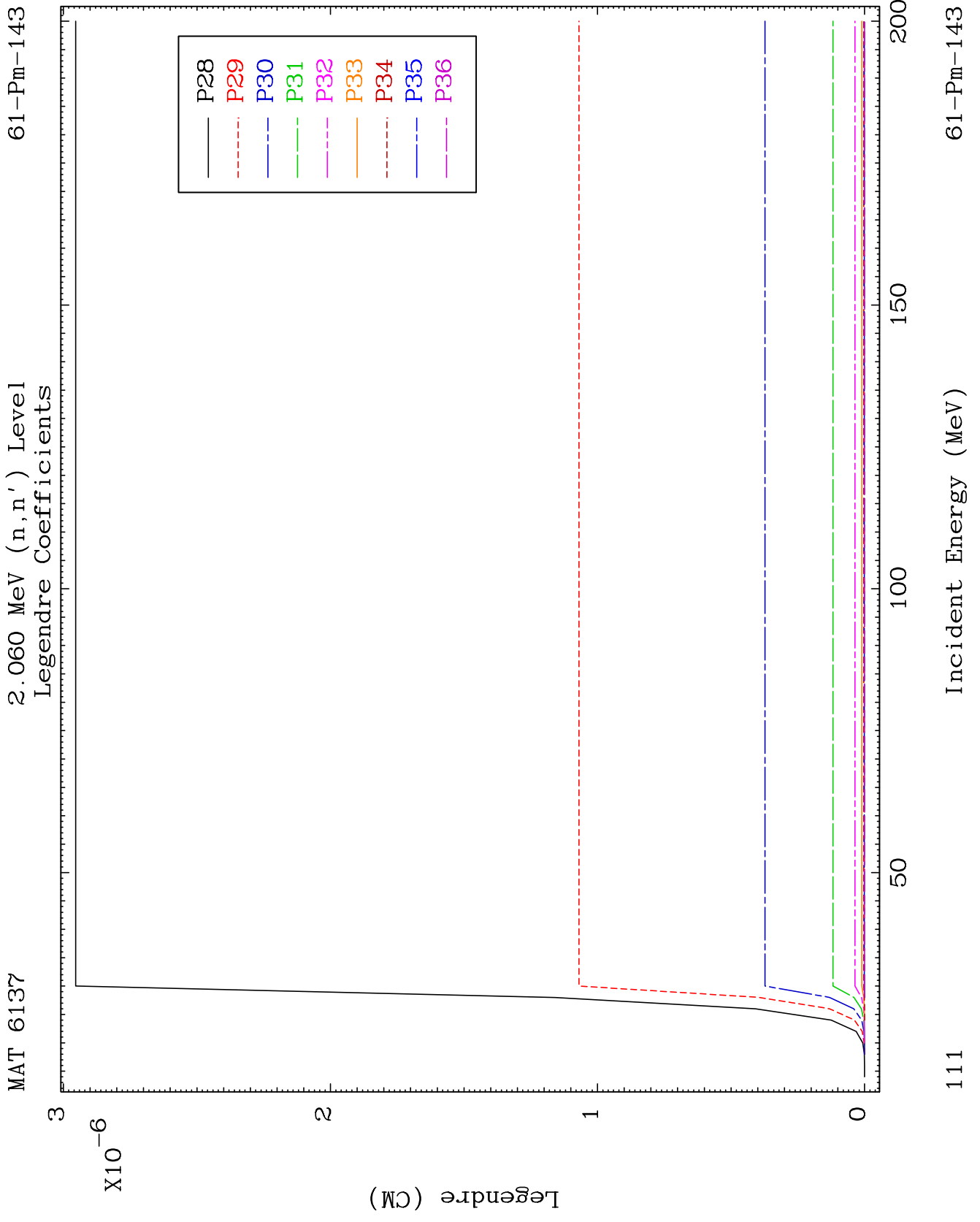
61-Pm-143



110

Incident Energy (MeV)

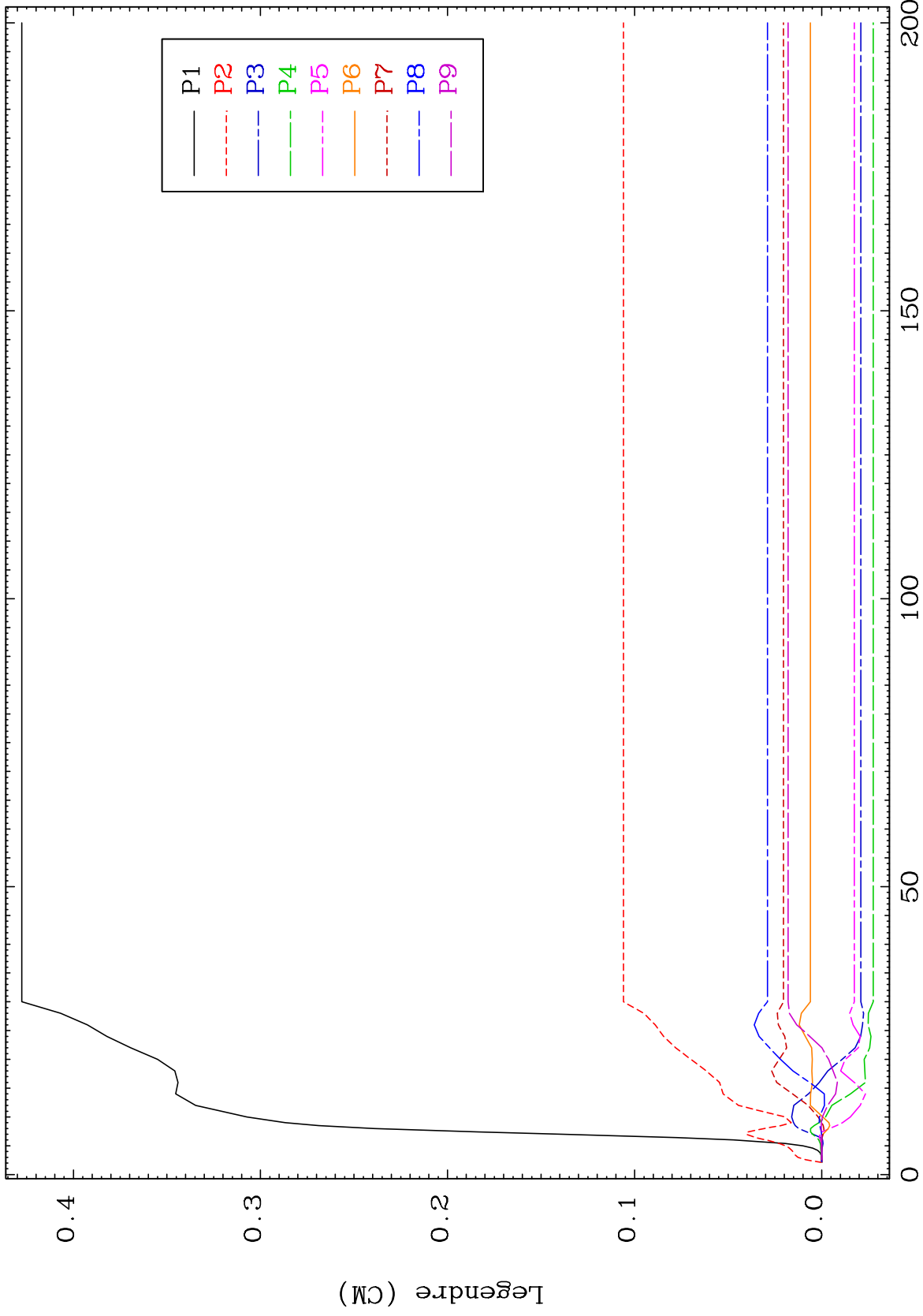
61-Pm-143



MAT 6137

2.081 MeV (n, n') Level
Legendre Coefficients

61-Pm-143



112

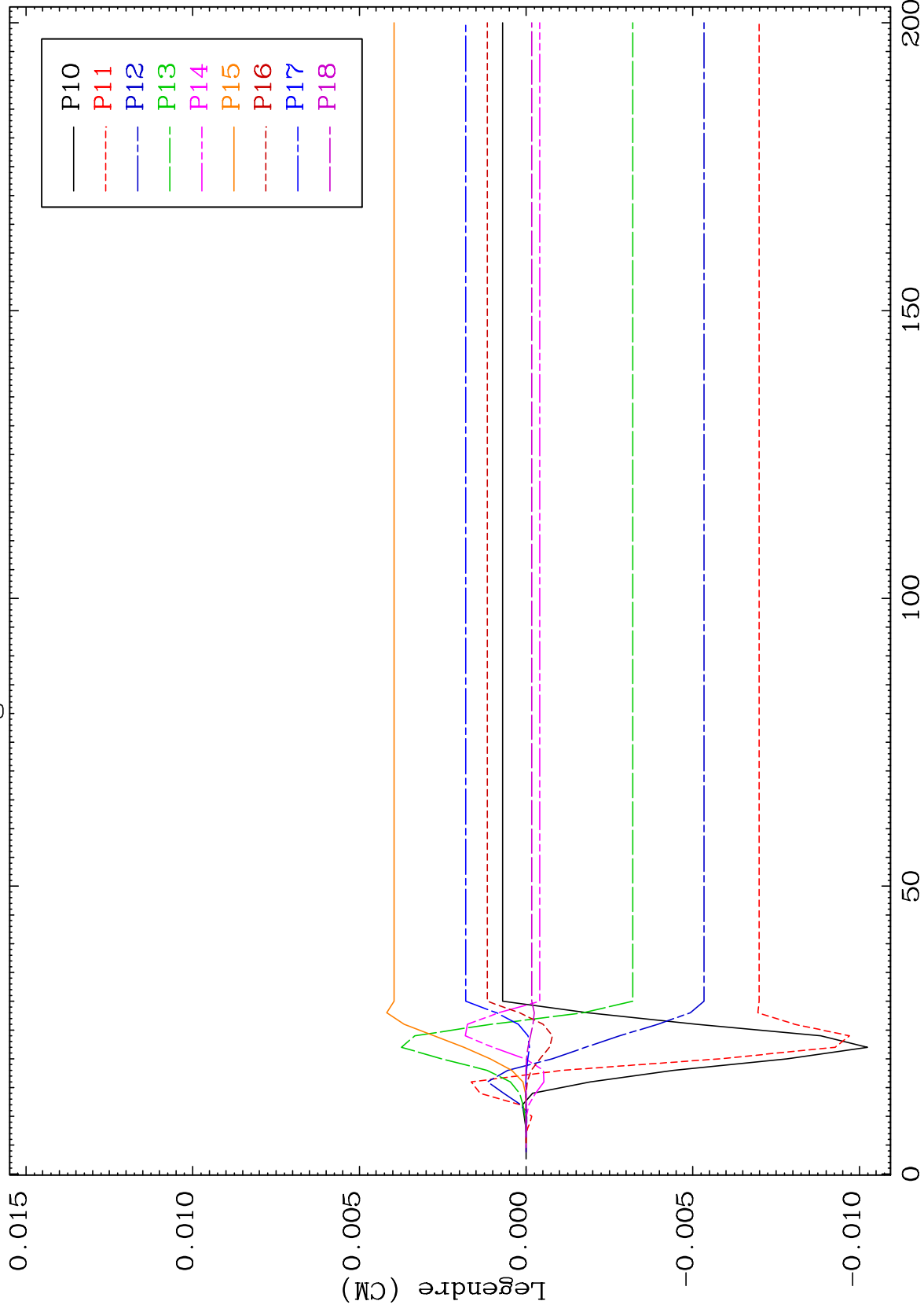
Incident Energy (MeV)

61-Pm-143

MAT 6137

2.081 MeV (n,n') Level
Legendre Coefficients

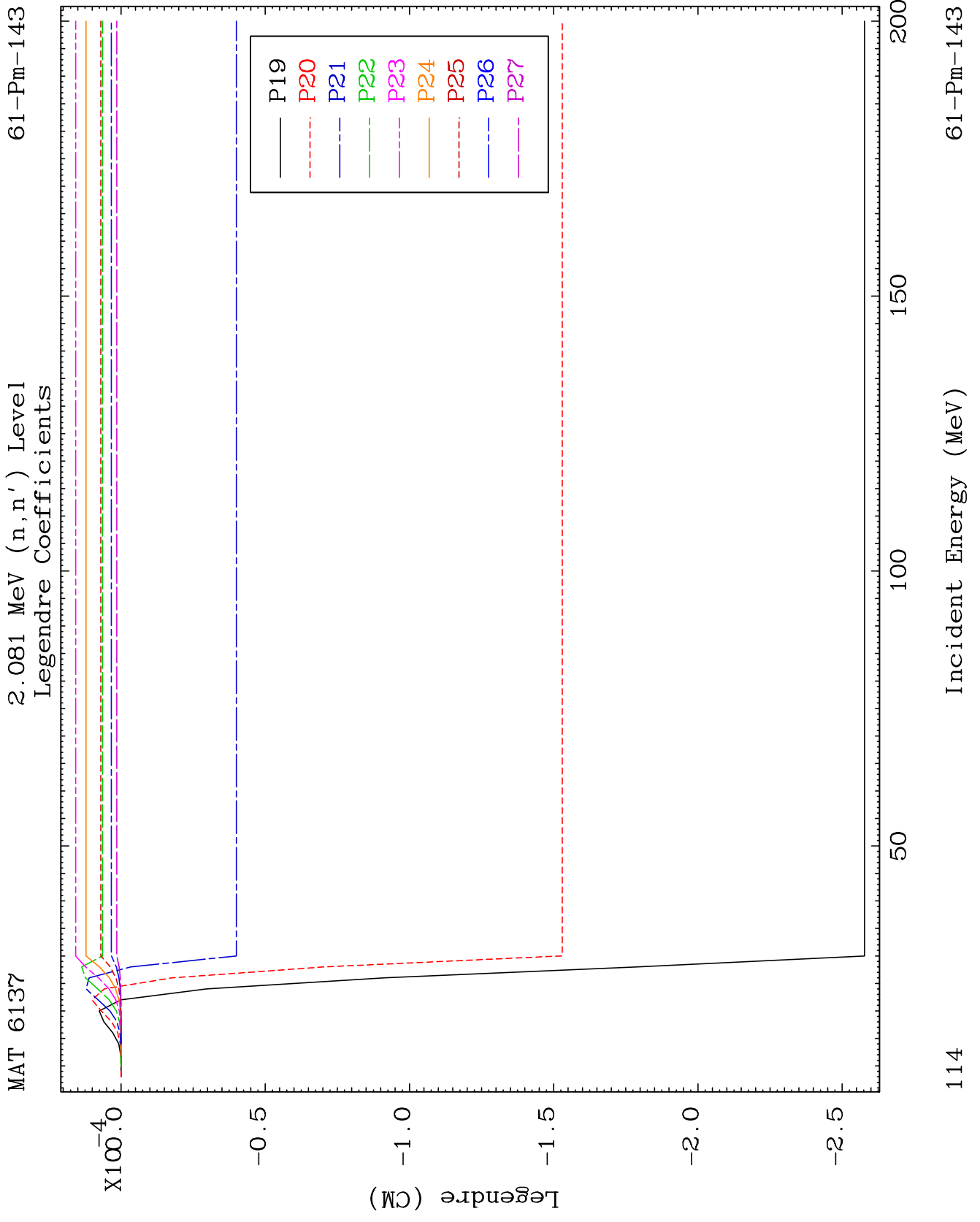
61-Pm-143

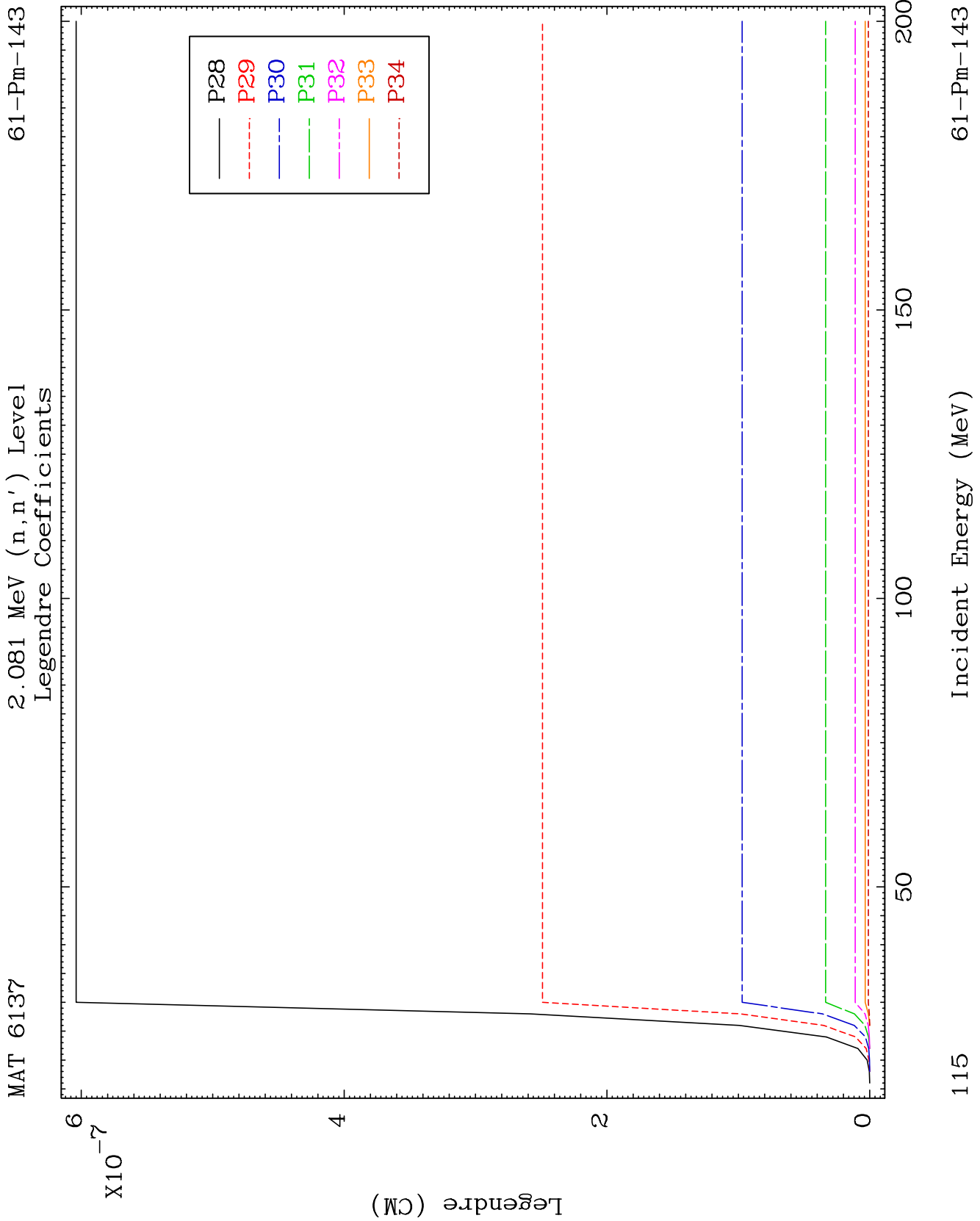


113

Incident Energy (MeV)

61-Pm-143

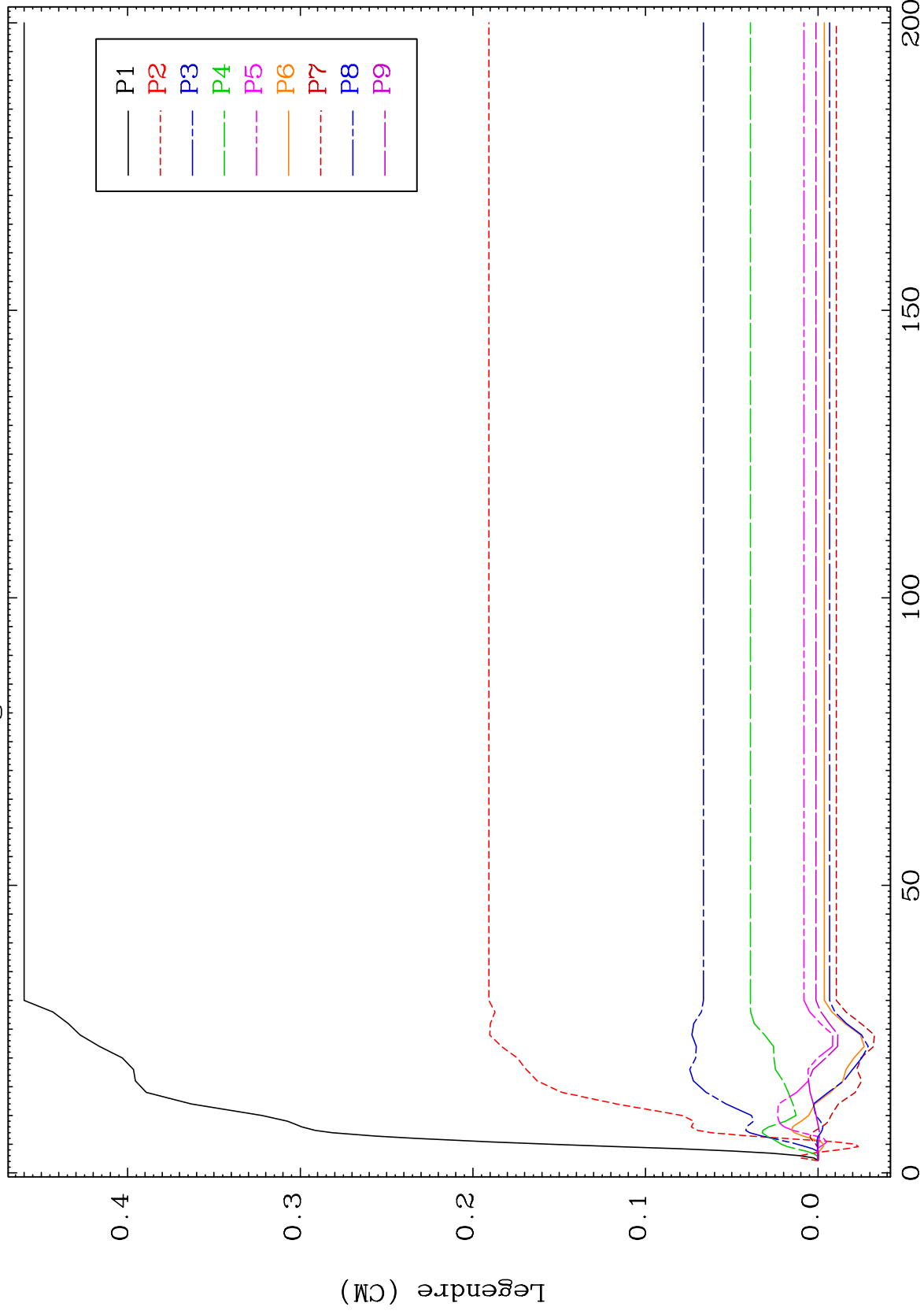




MAT 6137

2.108 MeV (n,n') Level
Legendre Coefficients

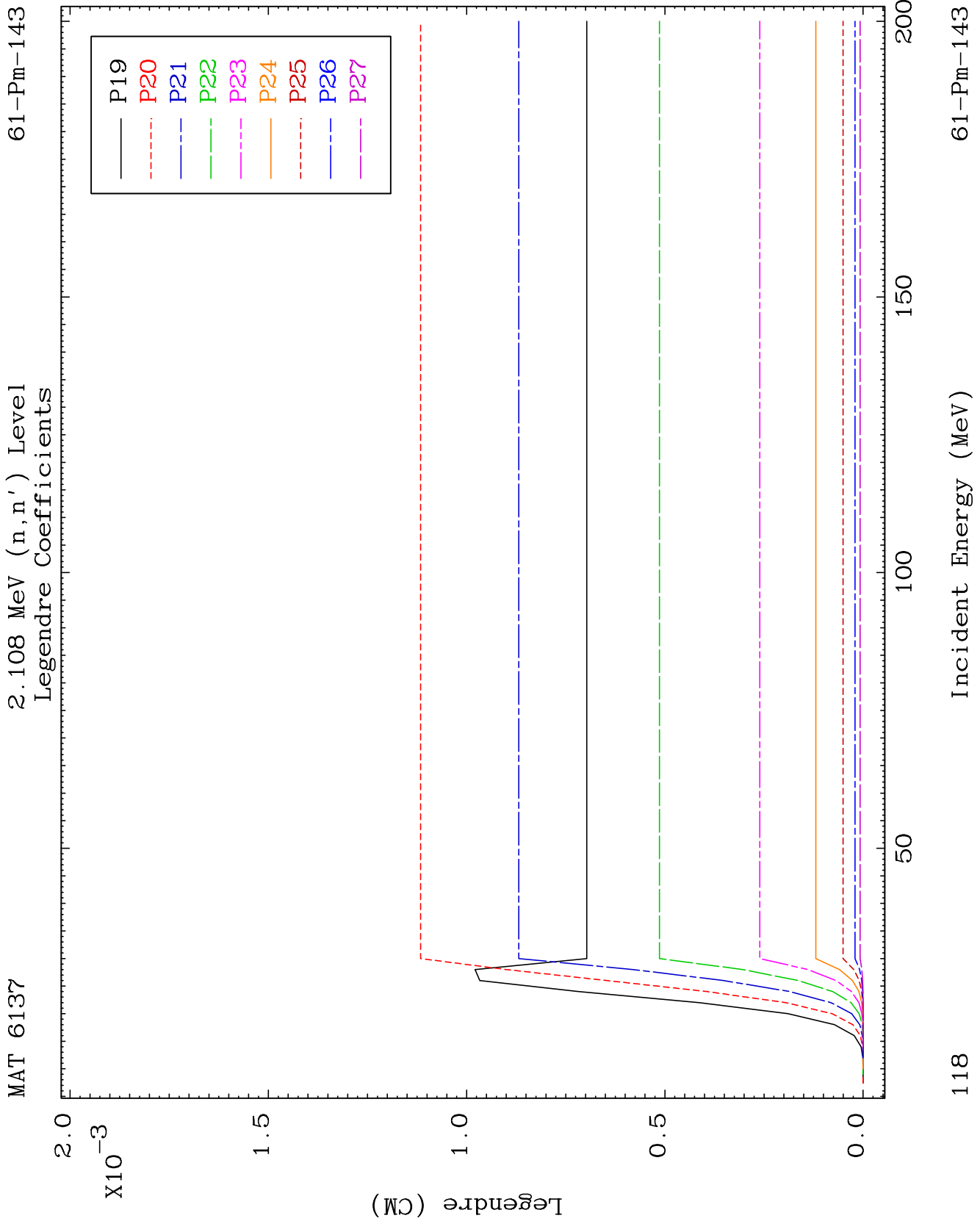
61-Pm-143

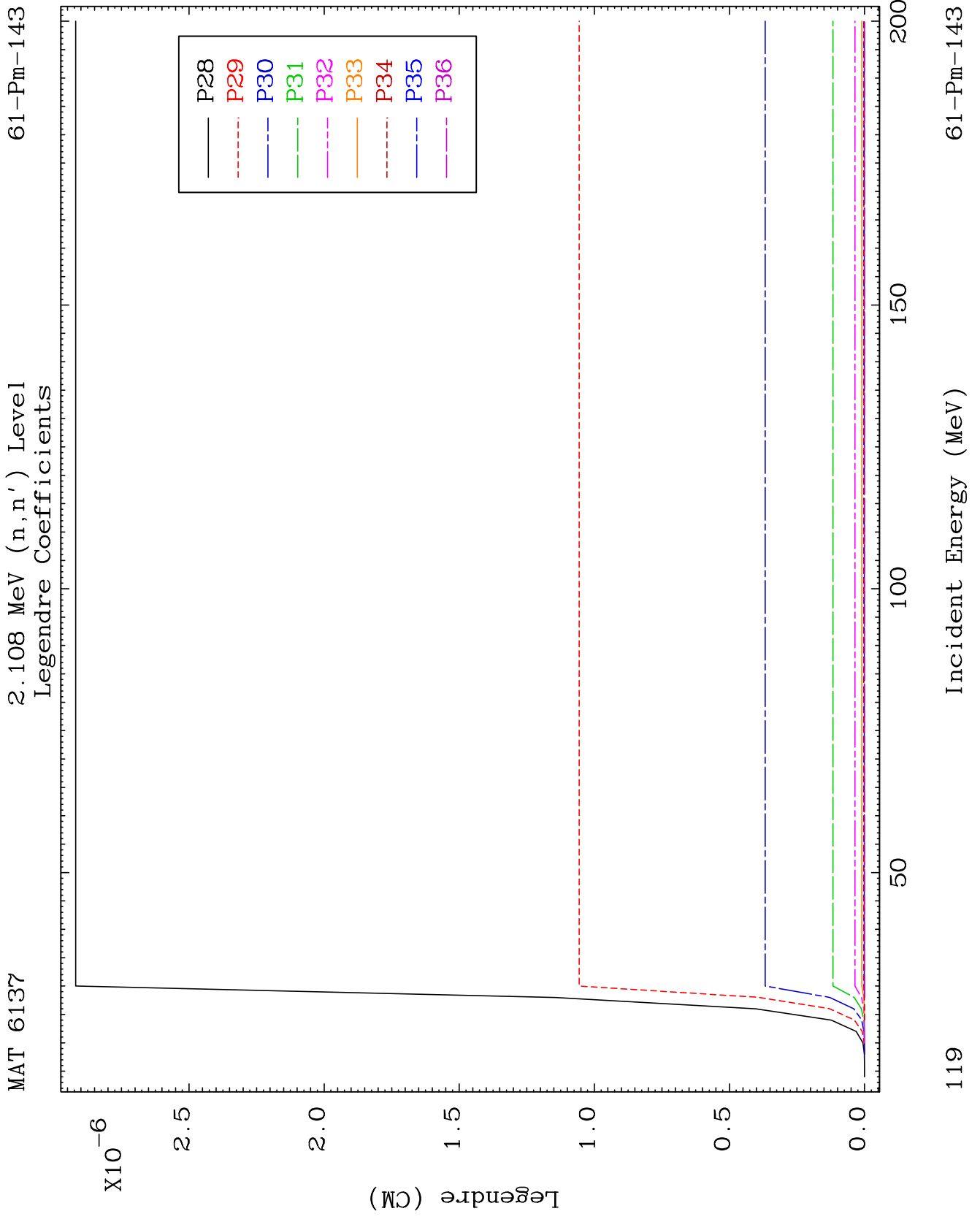


116

Incident Energy (MeV)

61-Pm-143

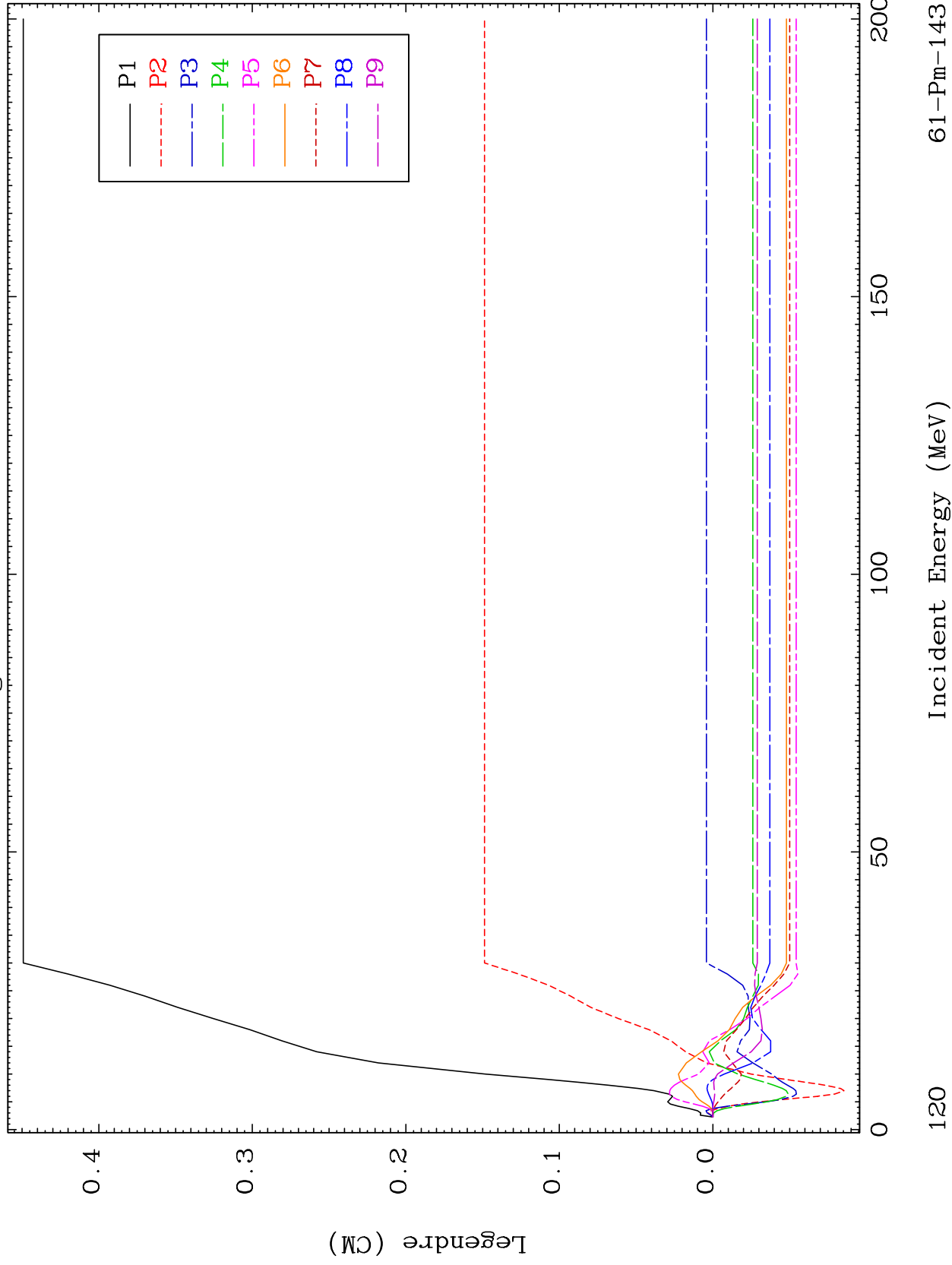




MAT 6137

2.232 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

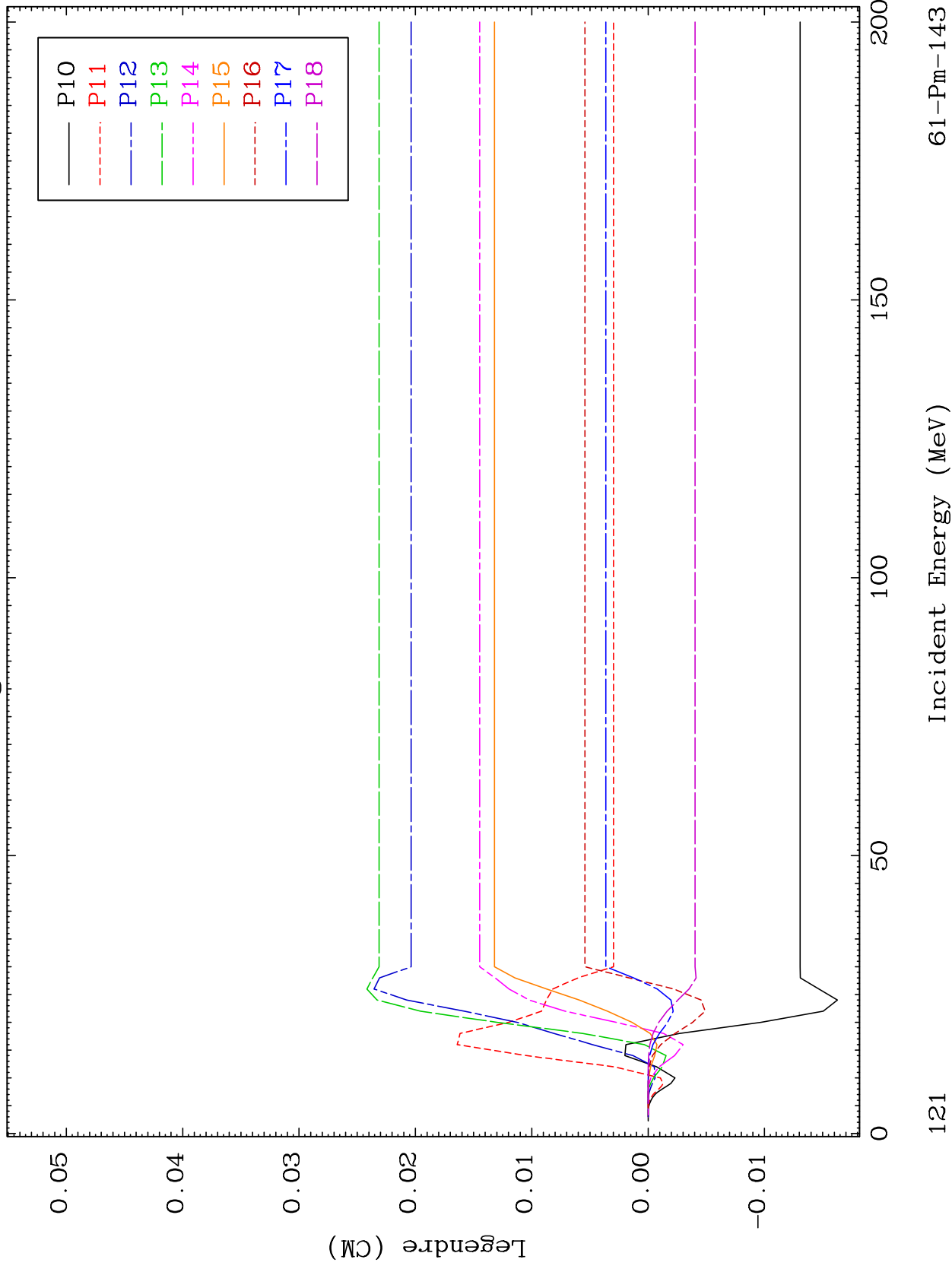
Incident Energy (MeV)

120

MAT 6137

2.232 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

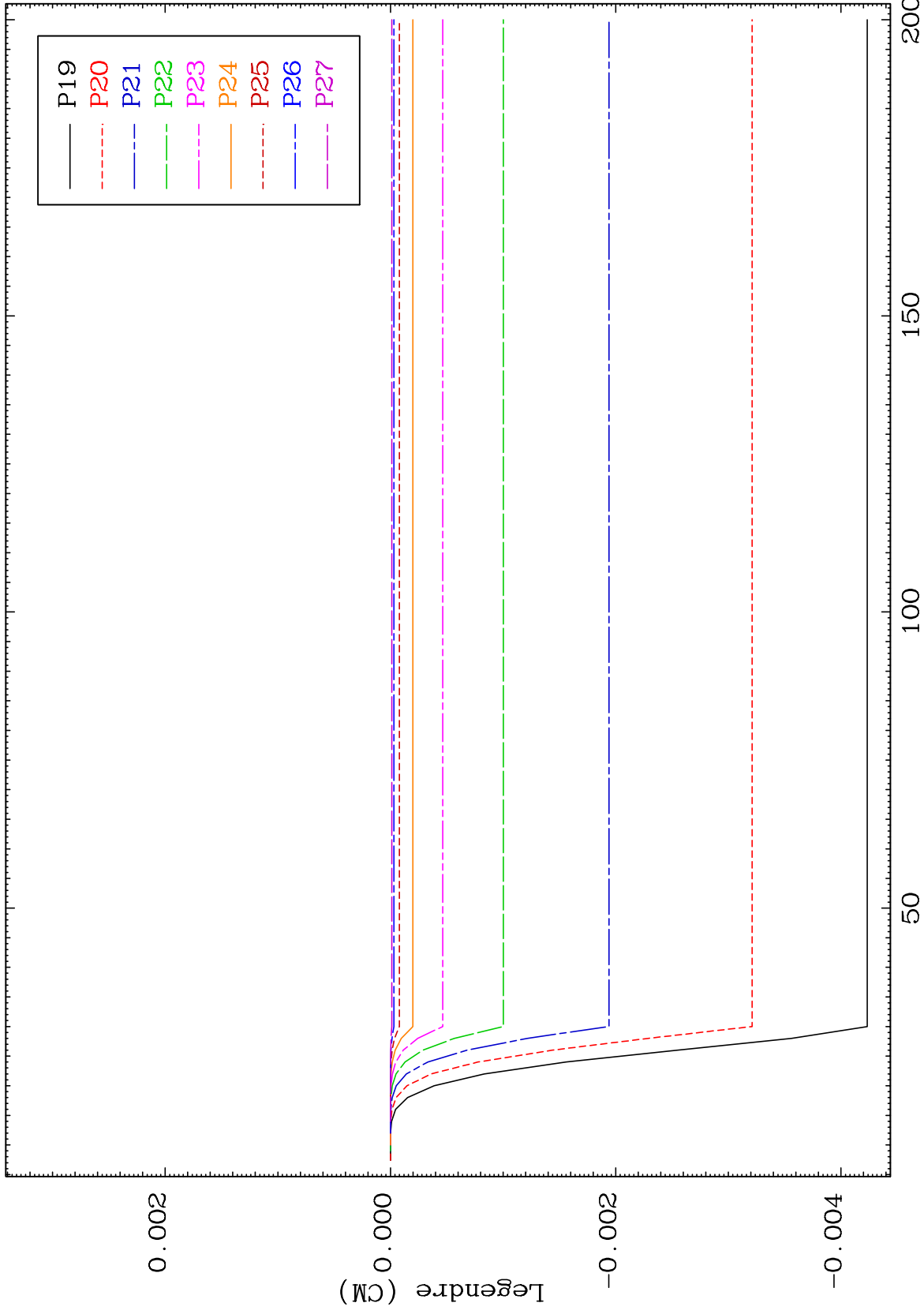
Incident Energy (MeV)

121

MAT 6137

2.232 MeV (n,n') Level
Legendre Coefficients

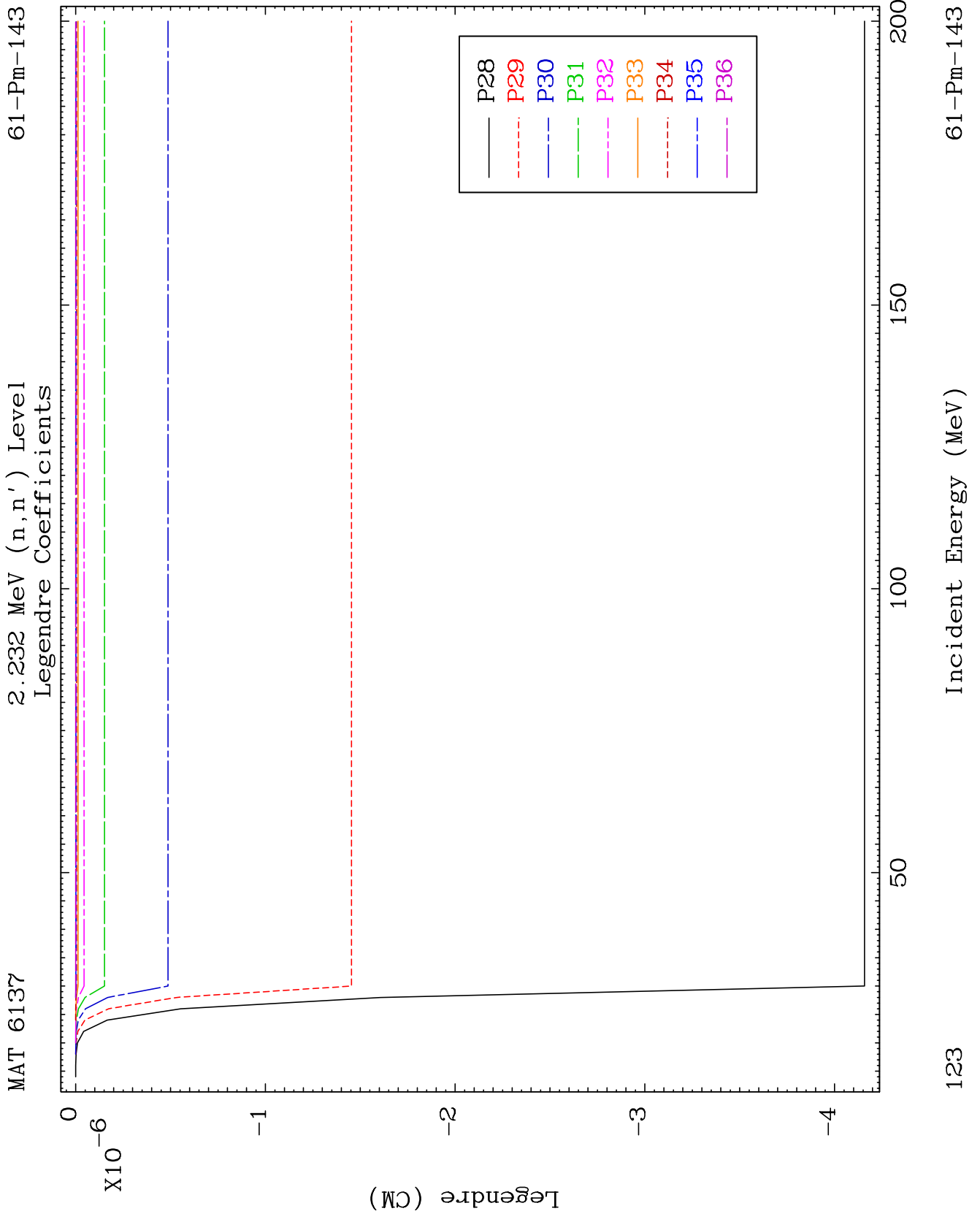
61-Pm-143



122

Incident Energy (MeV)

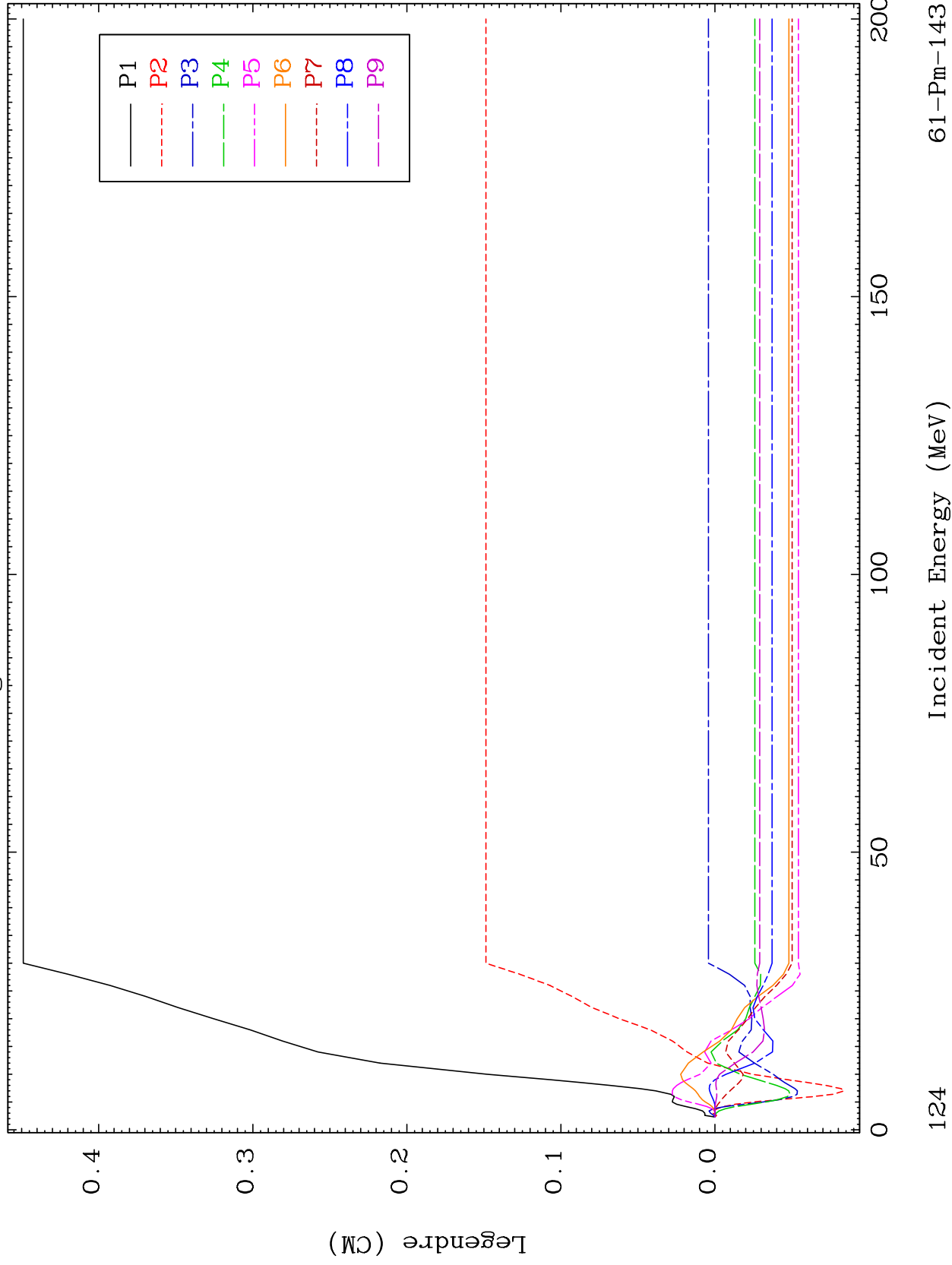
61-Pm-143



MAT 6137

2.274 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



61-Pm-143

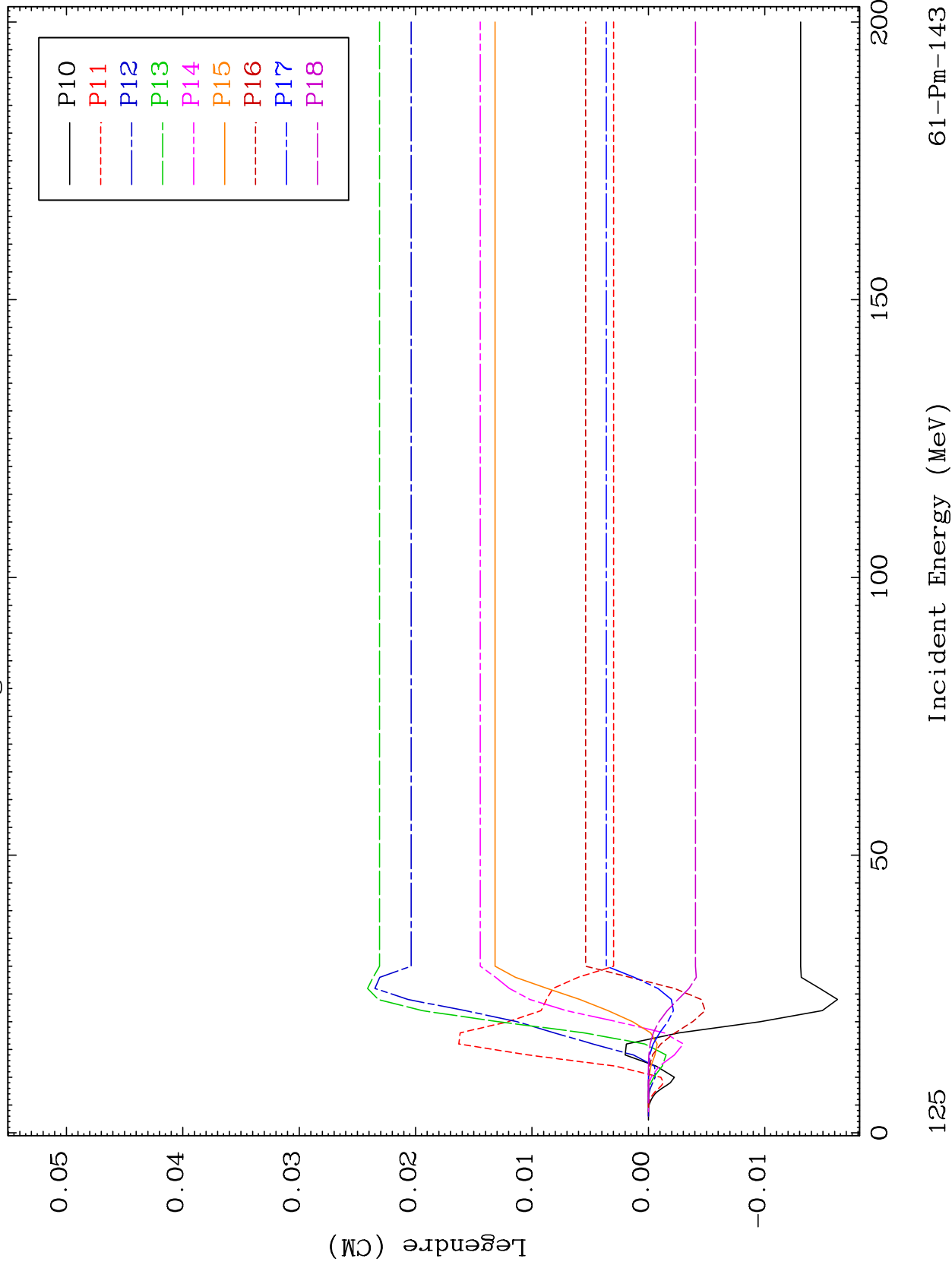
Incident Energy (MeV)

124

MAT 6137

2.274 MeV (n,n') Level
Legendre Coefficients

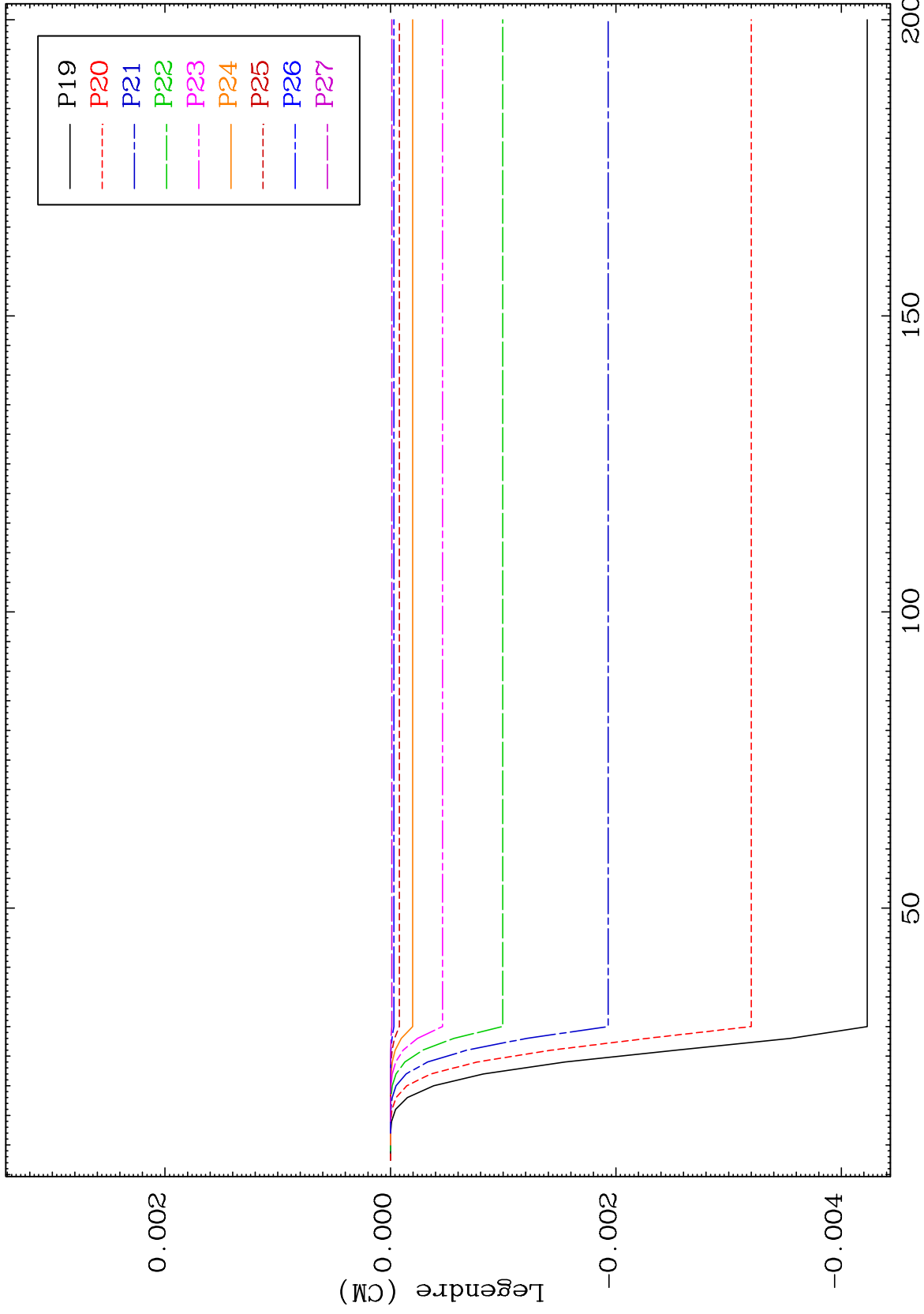
61-Pm-143

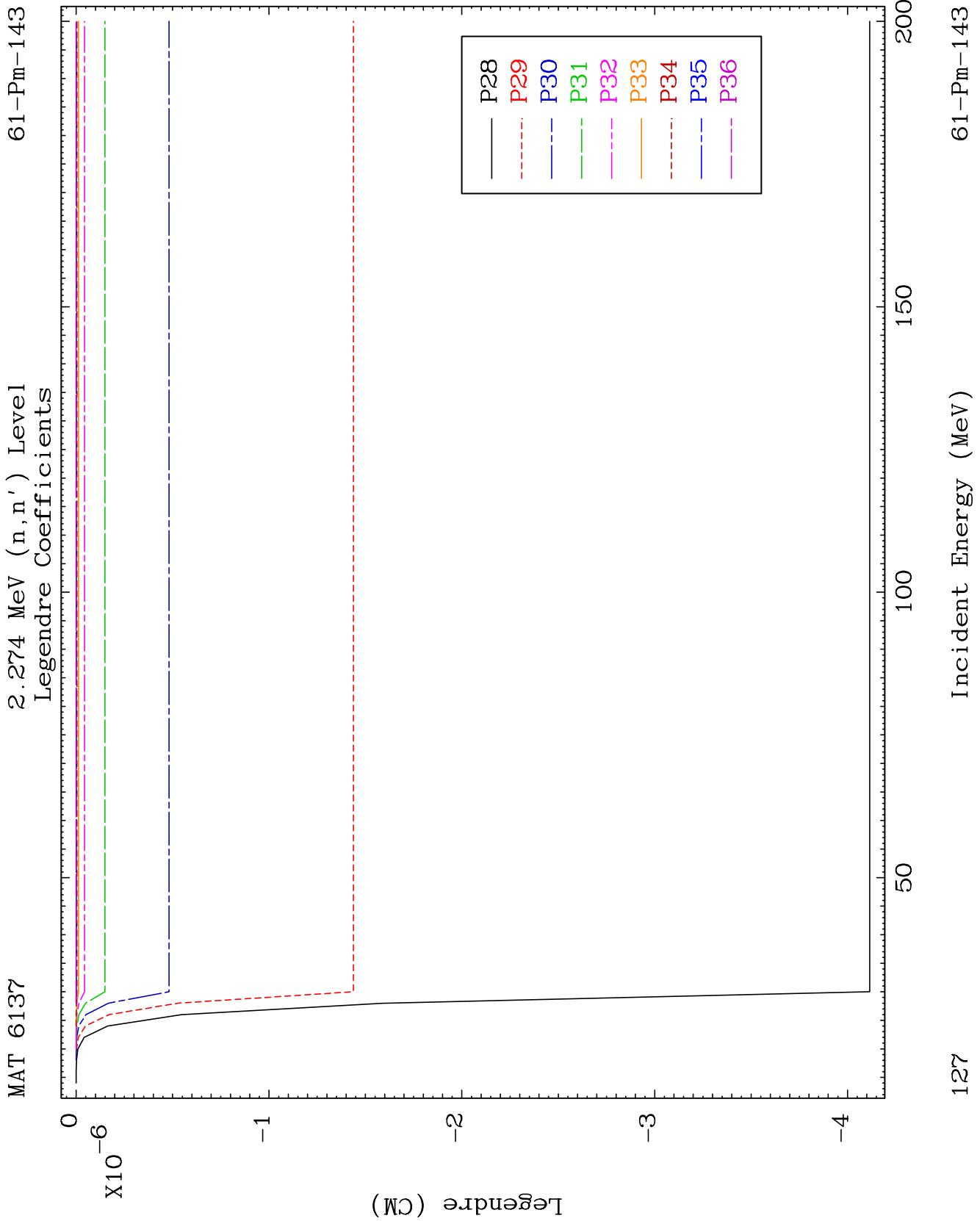


125

Incident Energy (MeV)

61-Pm-143

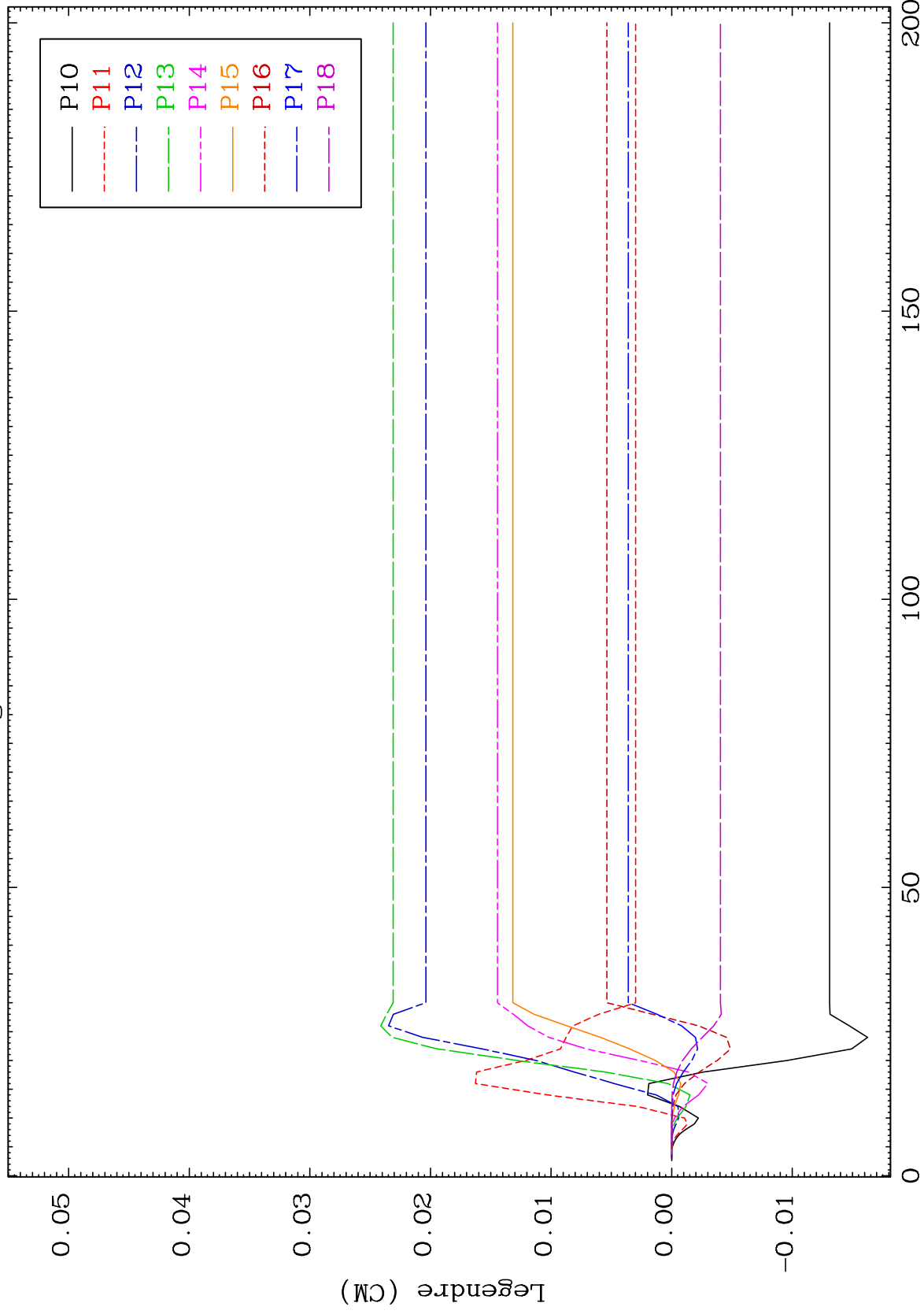




MAT 6137

2.281 MeV (n,n') Level
Legendre Coefficients

61-Pm-143



129

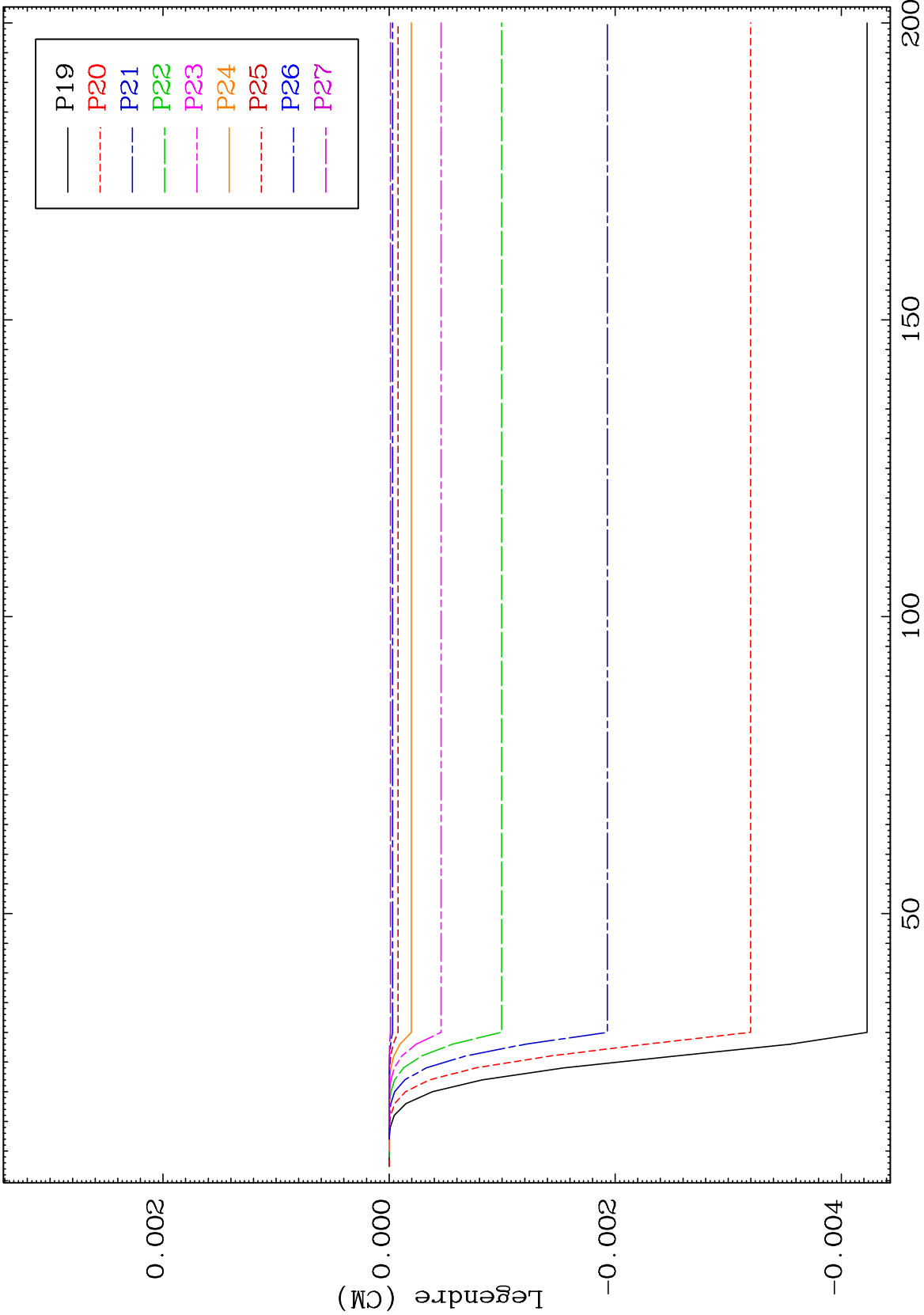
Incident Energy (MeV)

61-Pm-143

MAT 6137

2.281 MeV (n,n') Level
Legendre Coefficients

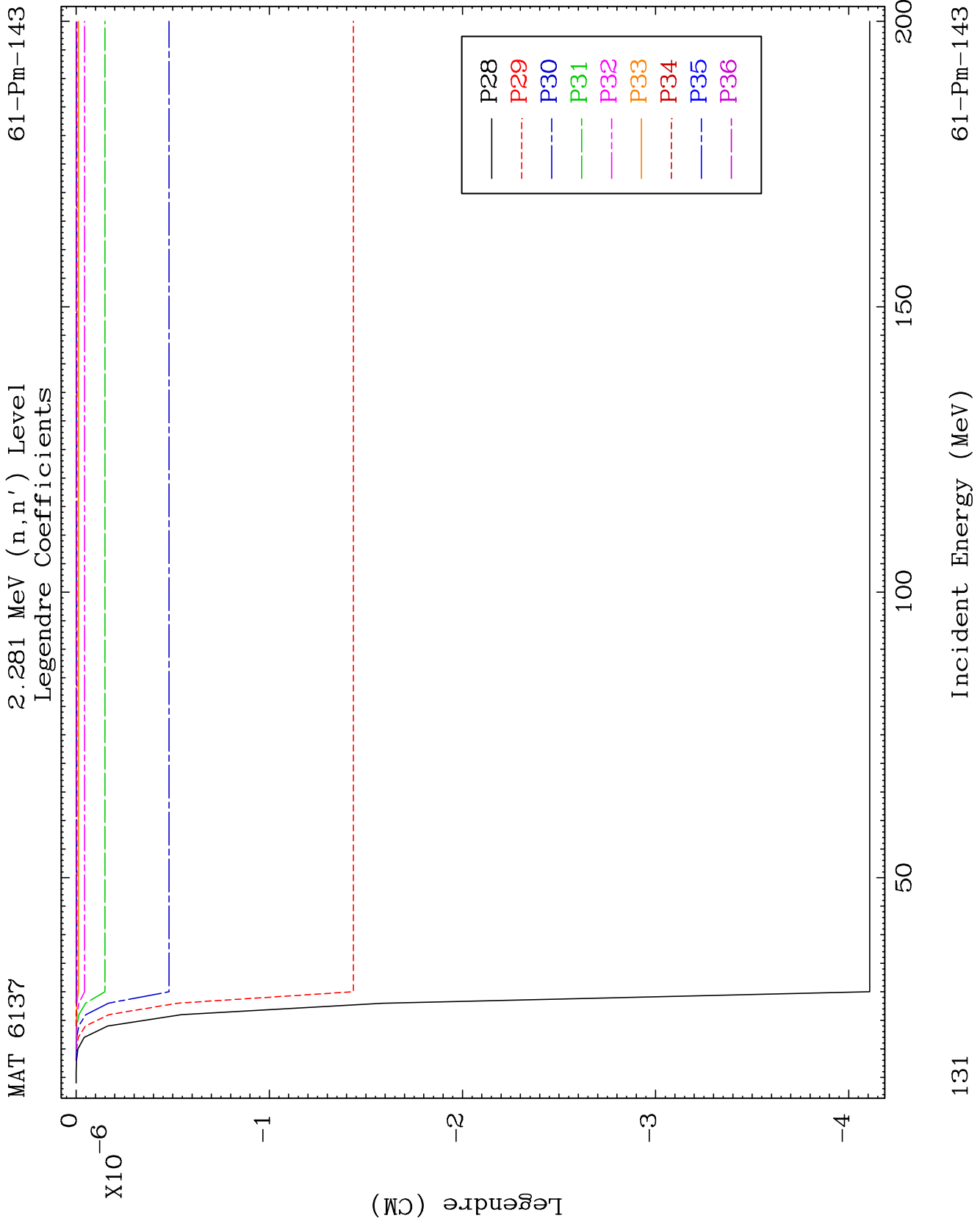
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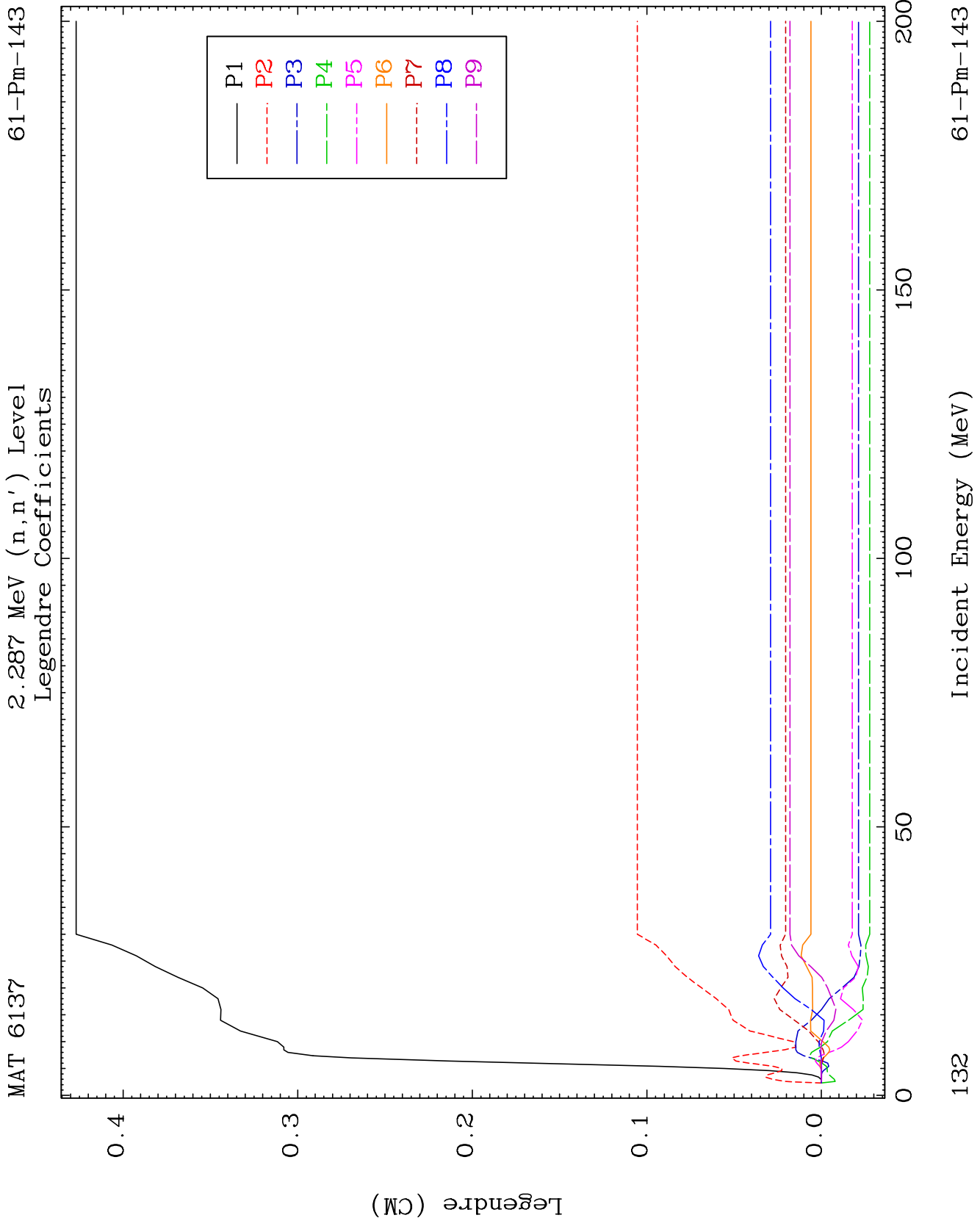


130

Incident Energy (MeV)

61-Pm-143

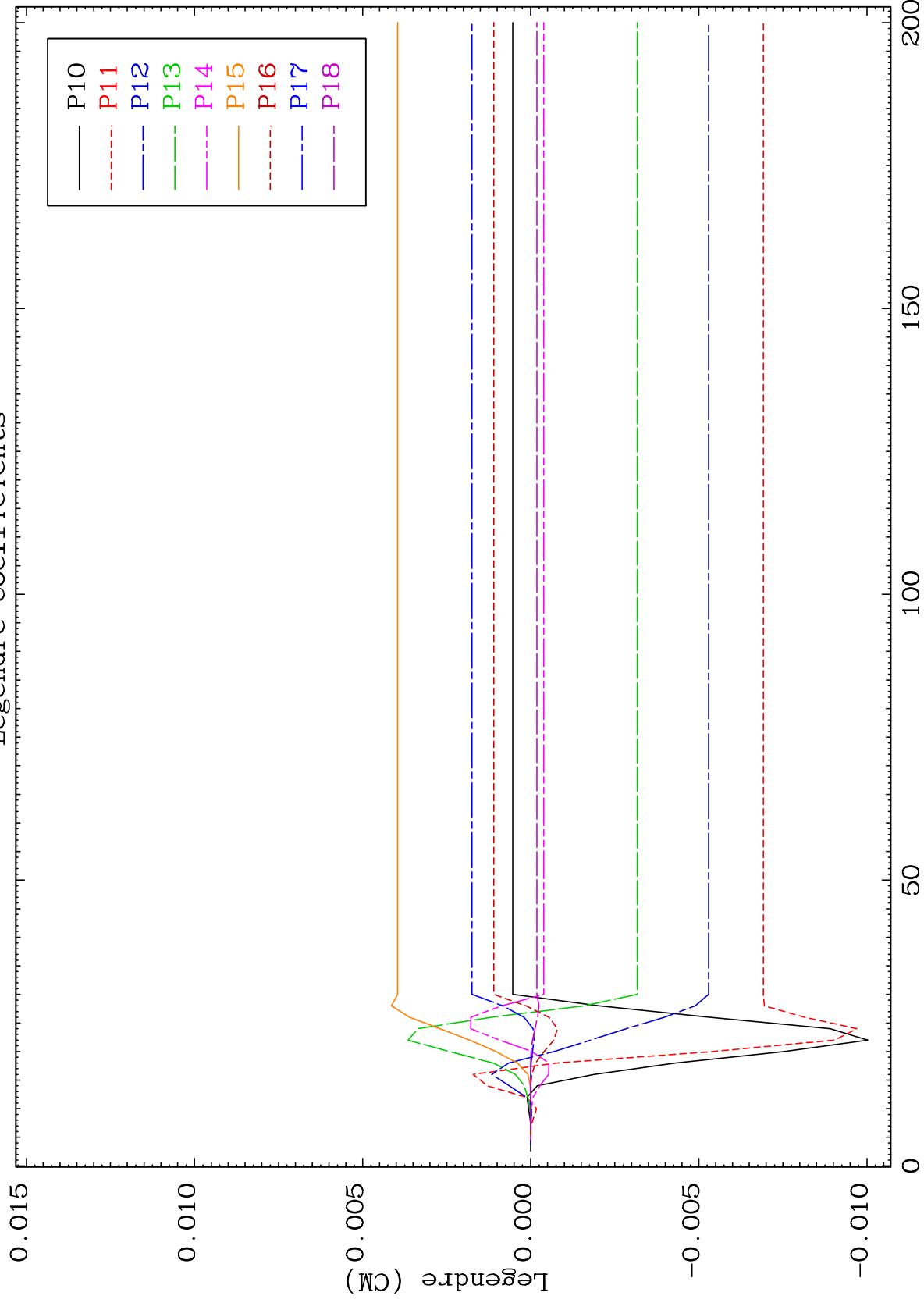




MAT 6137

2.287 MeV (n,n') Level
Legendre Coefficients

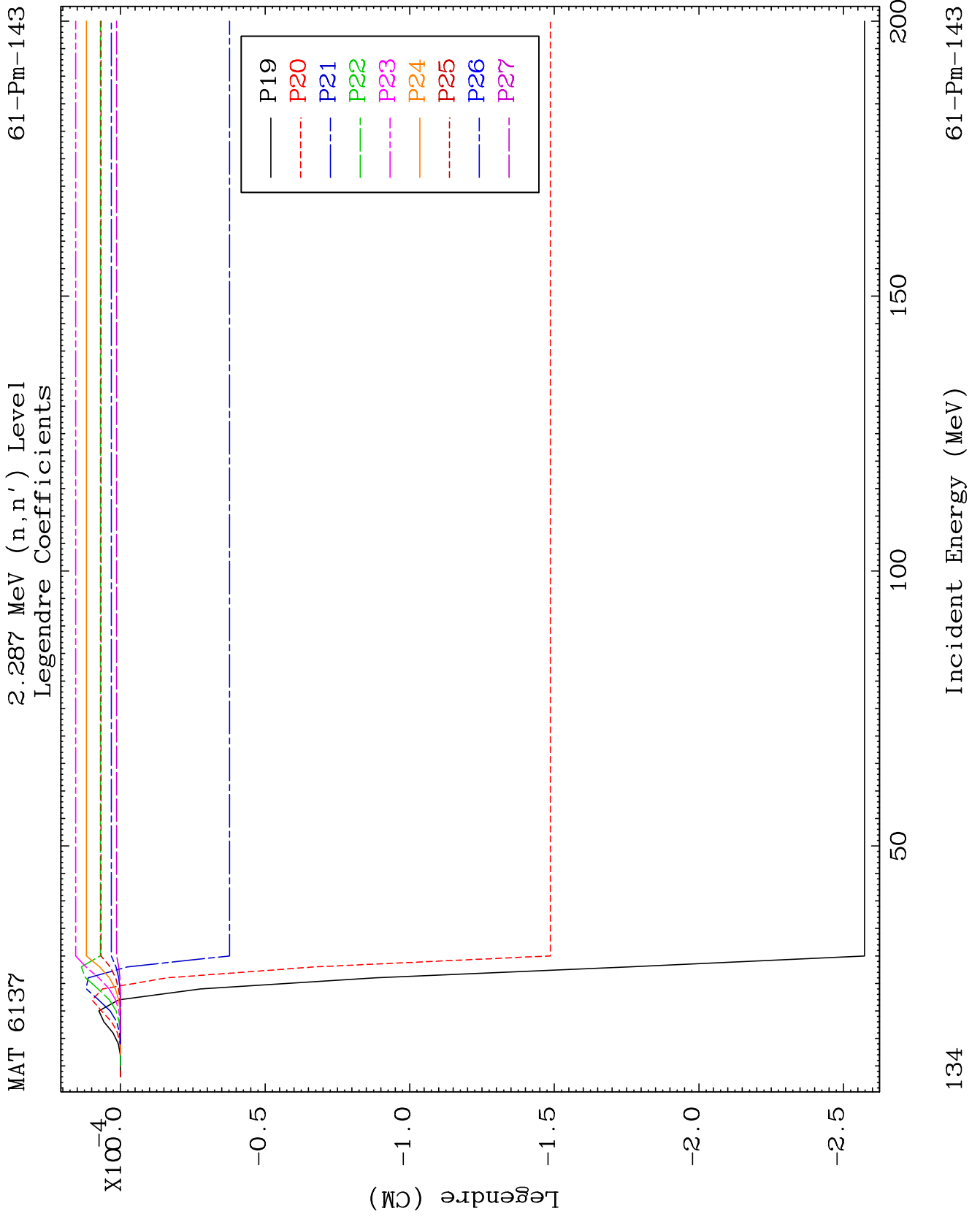
61-Pm-143

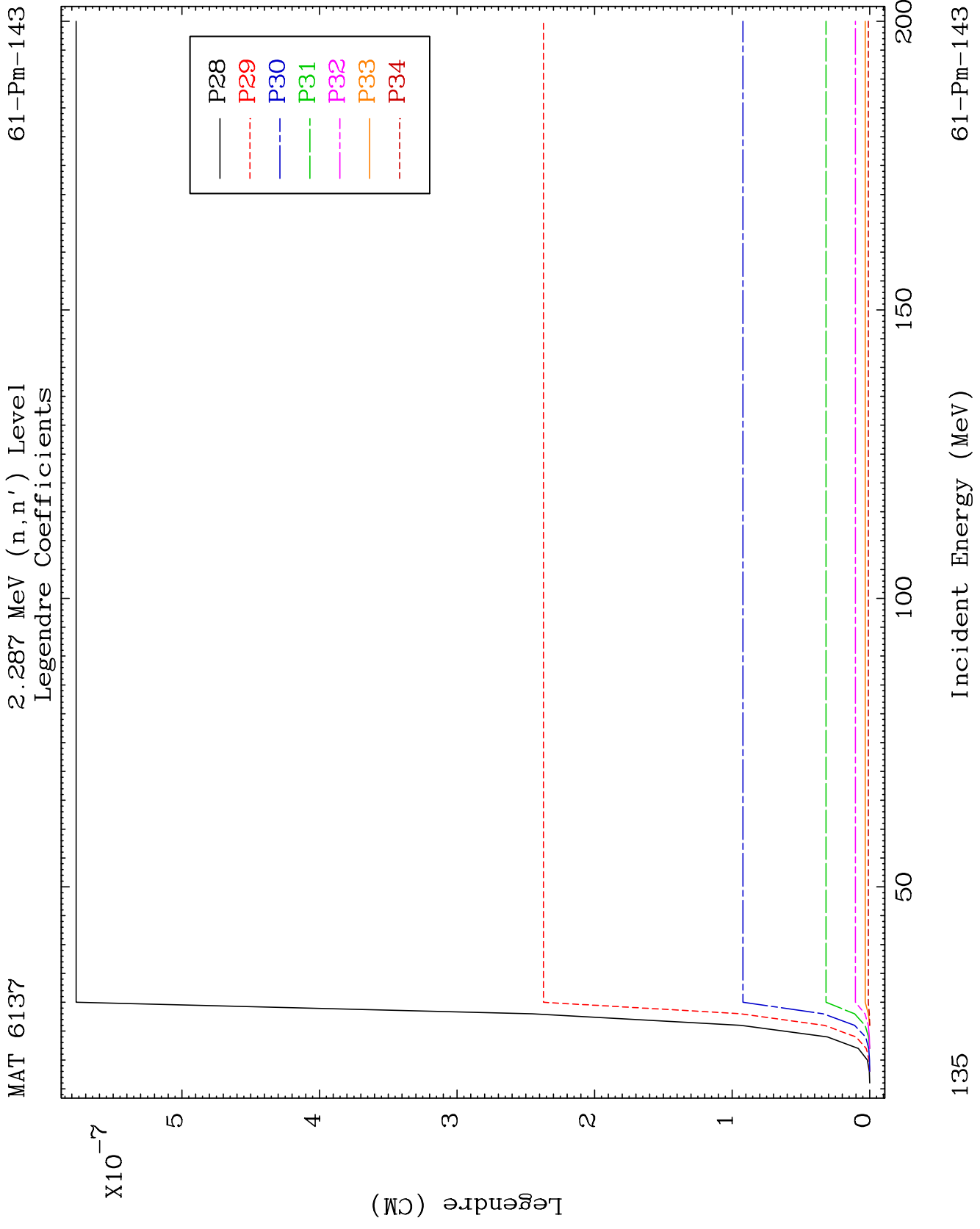


133

Incident Energy (MeV)

61-Pm-143

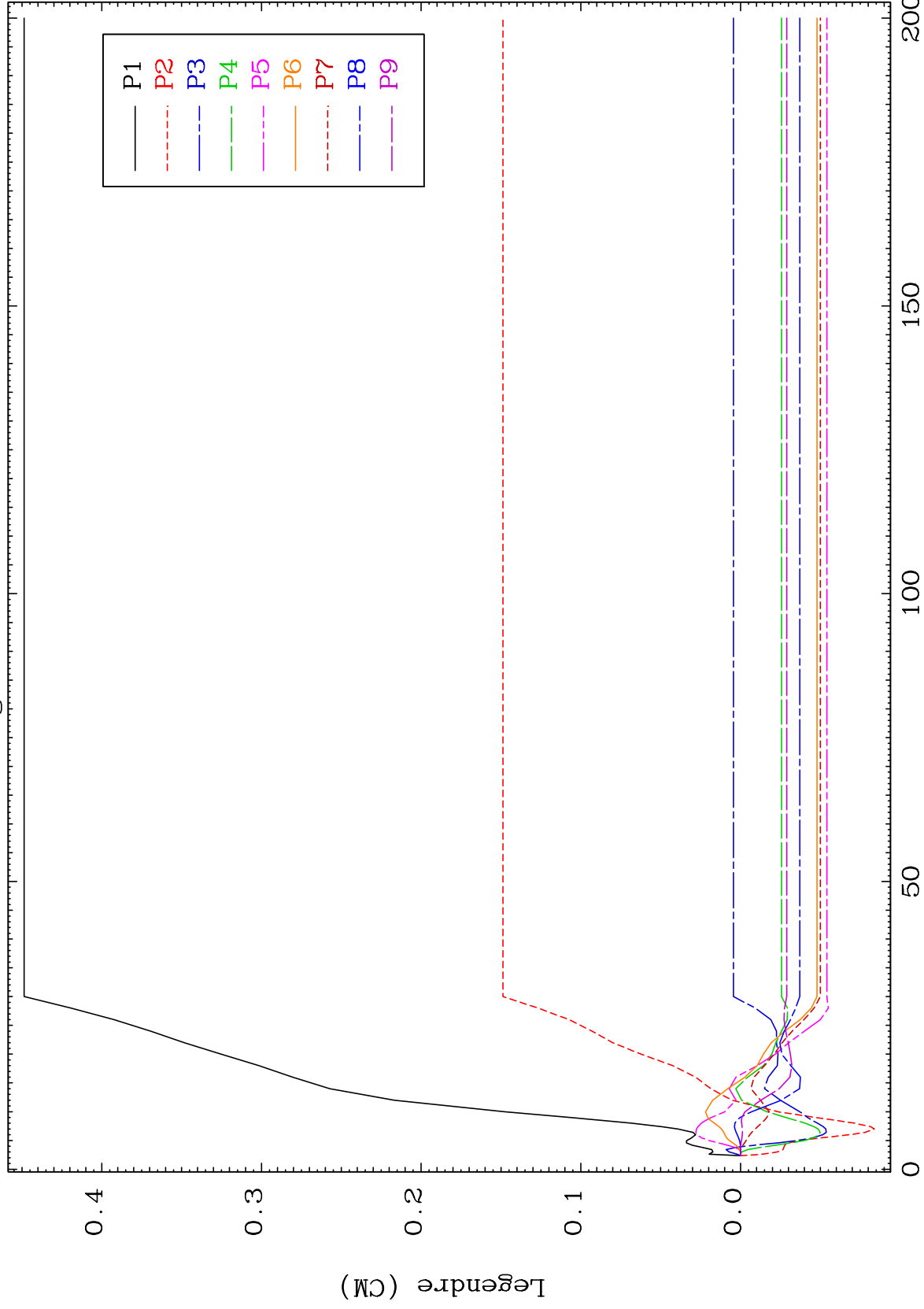




MAT 6137

2.331 MeV (n,n') Level
Legendre Coefficients

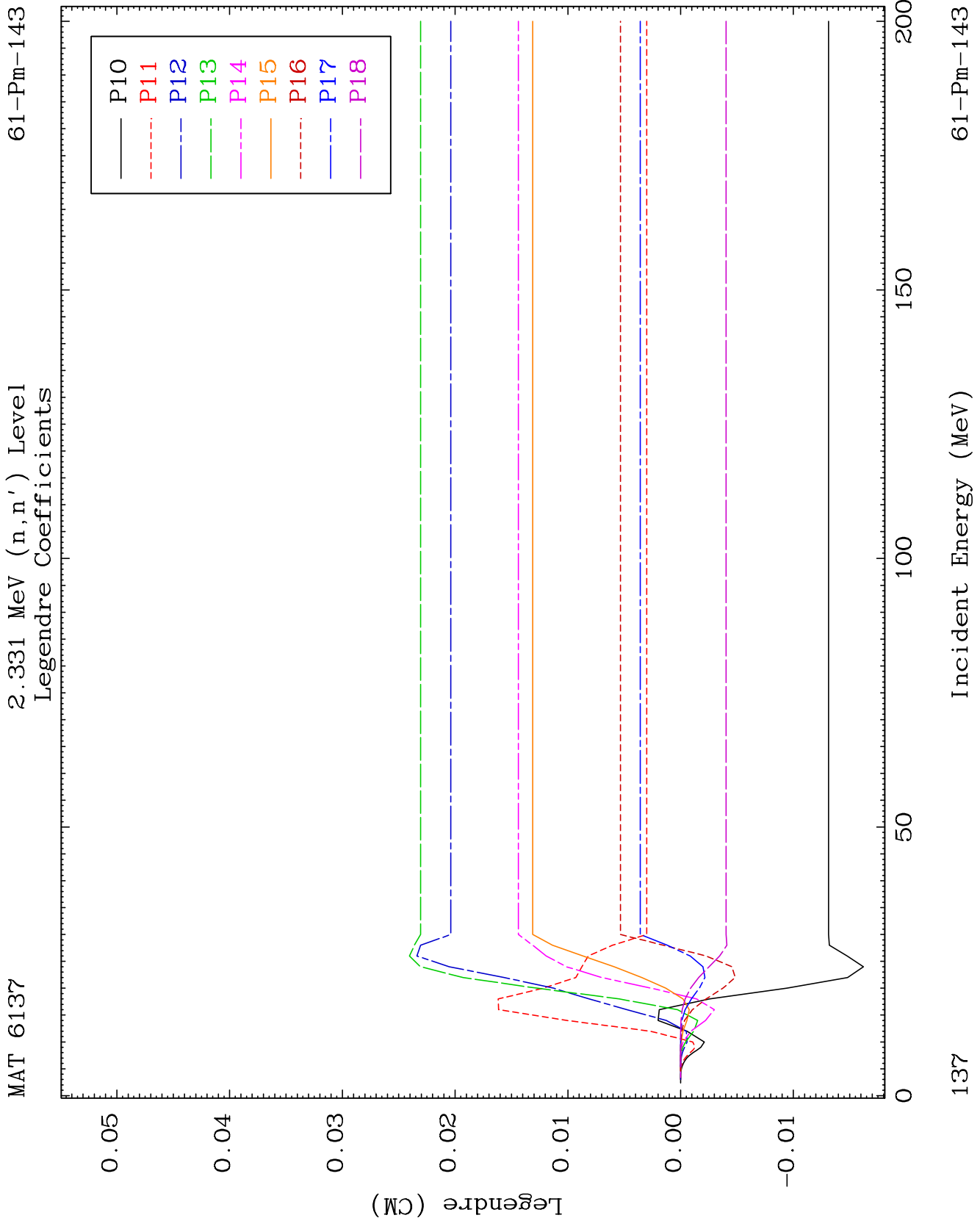
61-Pm-143



136

Incident Energy (MeV)

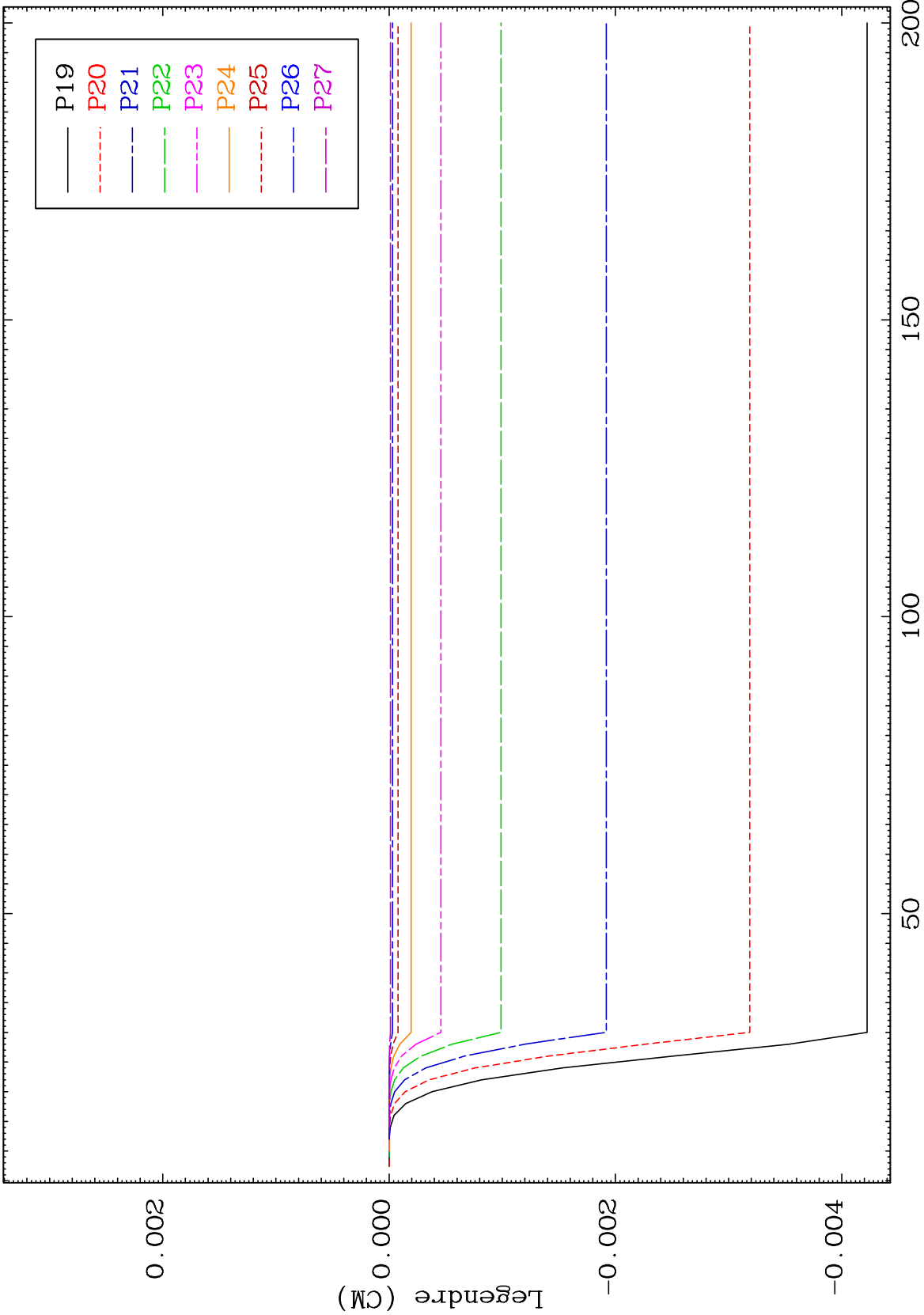
61-Pm-143



MAT 6137

2.331 MeV (n,n') Level
Legendre Coefficients

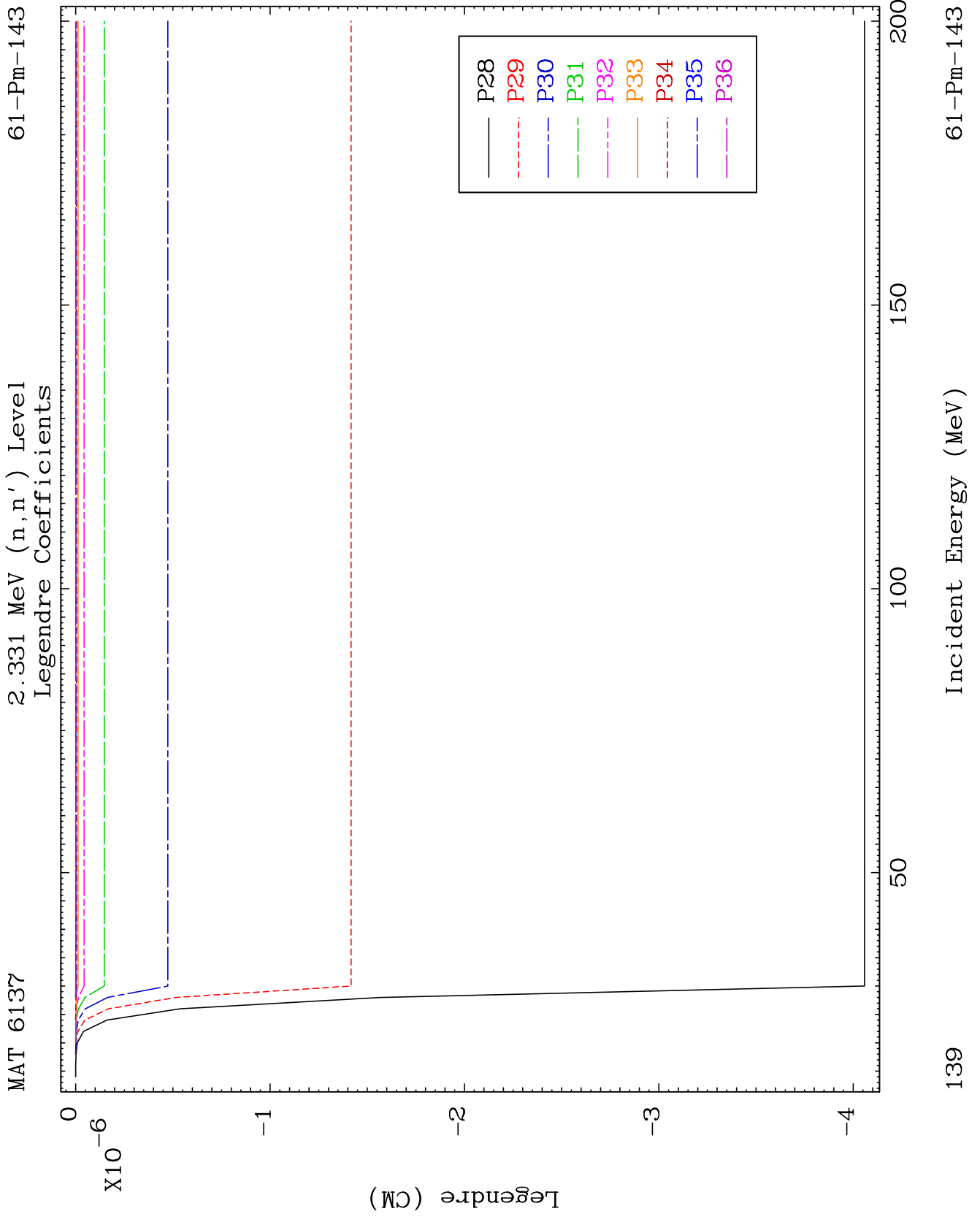
61-Pm-143



138

Incident Energy (MeV)

61-Pm-143

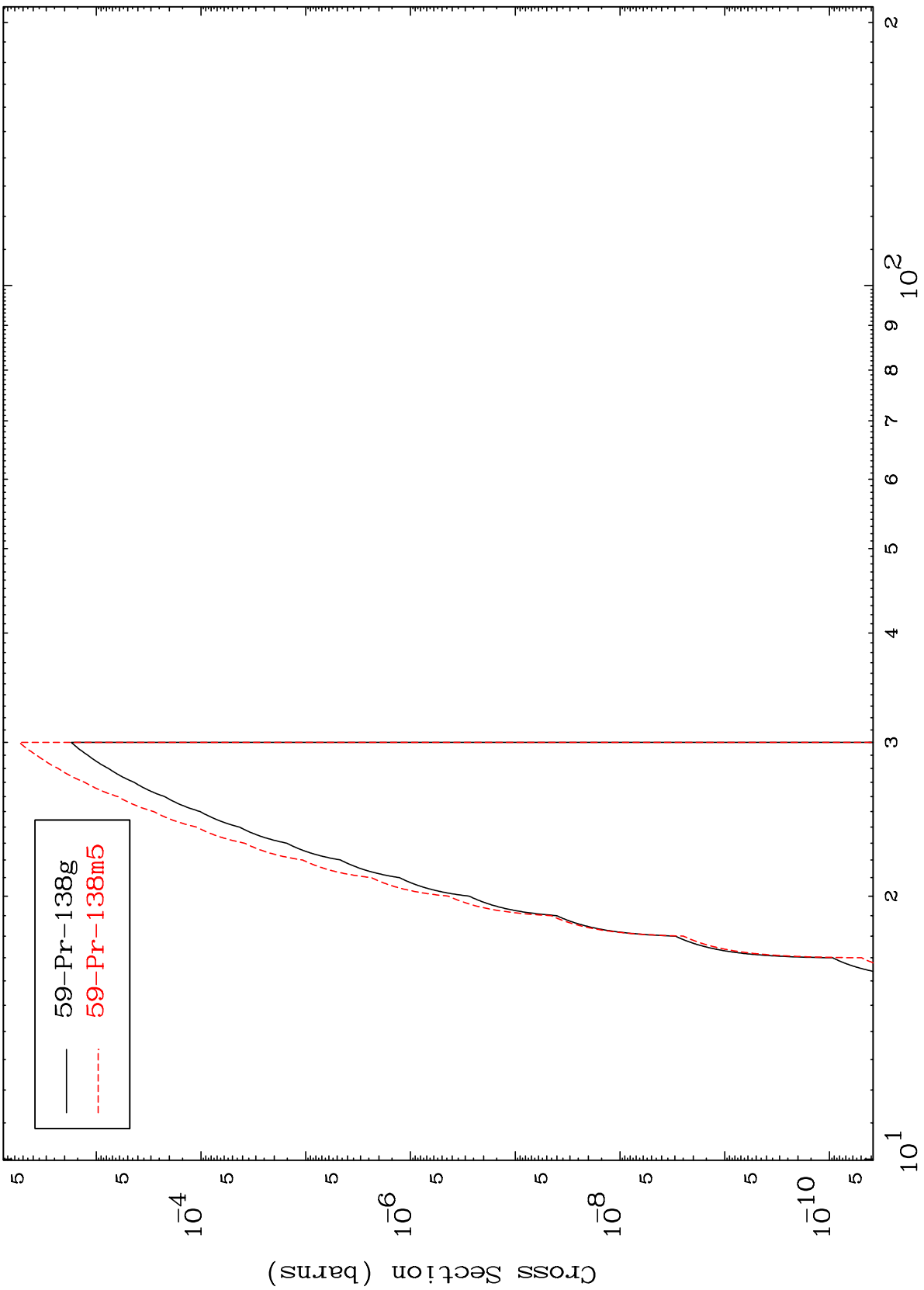


MAT 6137

(n,2n) α

61-Pm-143

Radionuclide Production Cross Section



140

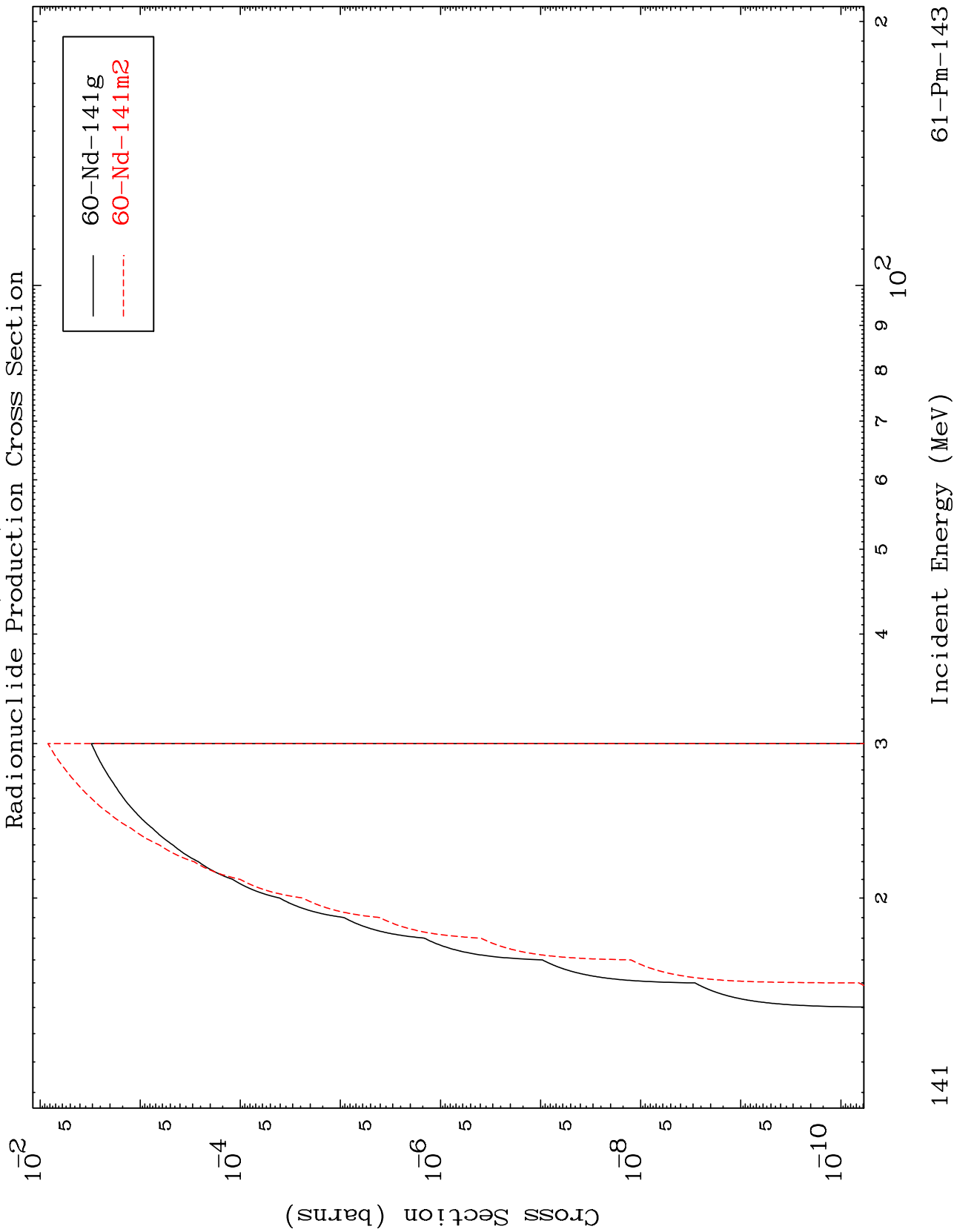
Incident Energy (MeV)

61-Pm-143

MAT 6137

(n,n') d

61-Pm-143



141

Incident Energy (MeV)

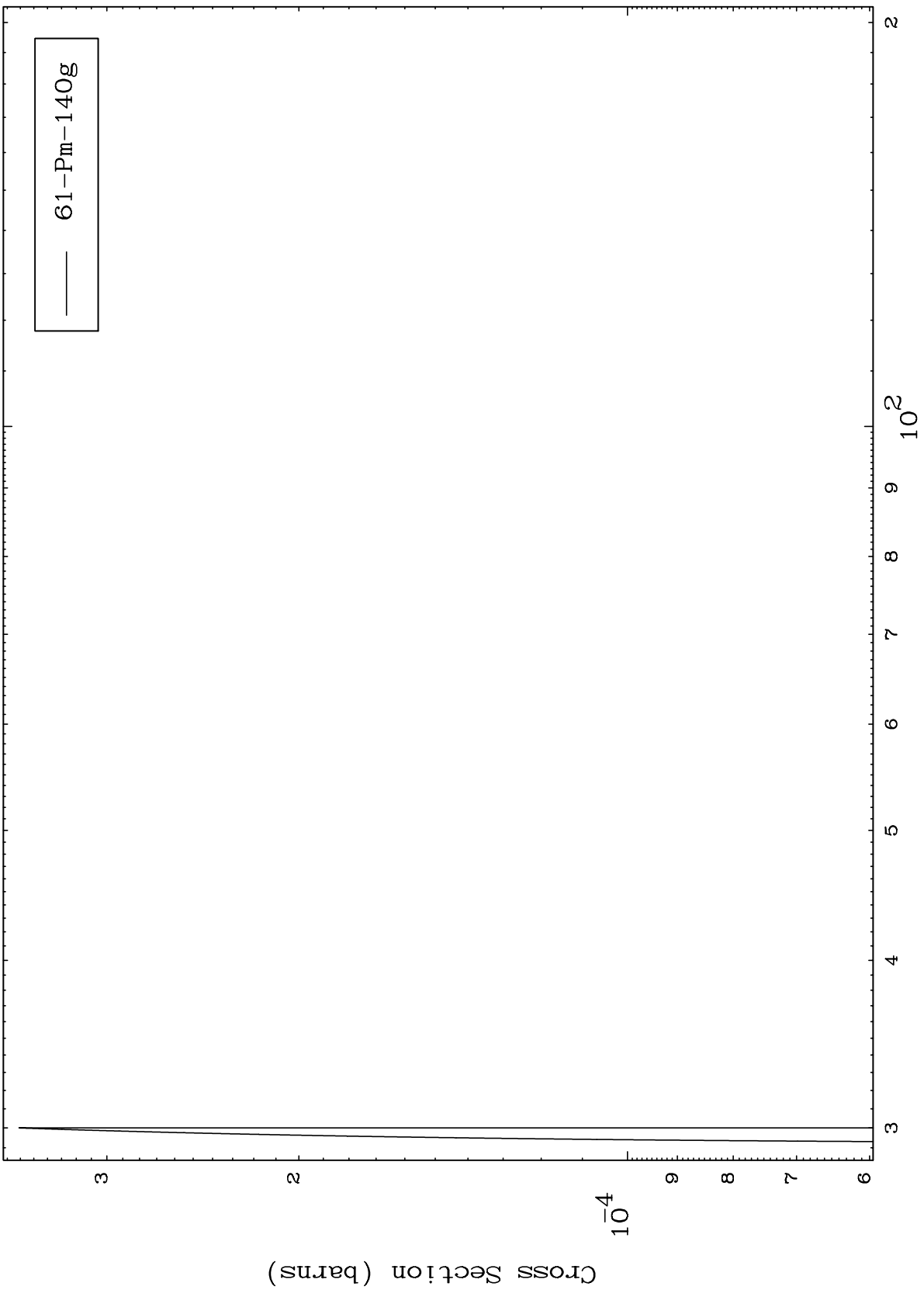
61-Pm-143

MAT 6137

61-Pm-143

(n,4n)

Radionuclide Production Cross Section



61-Pm-143

Incident Energy (MeV)

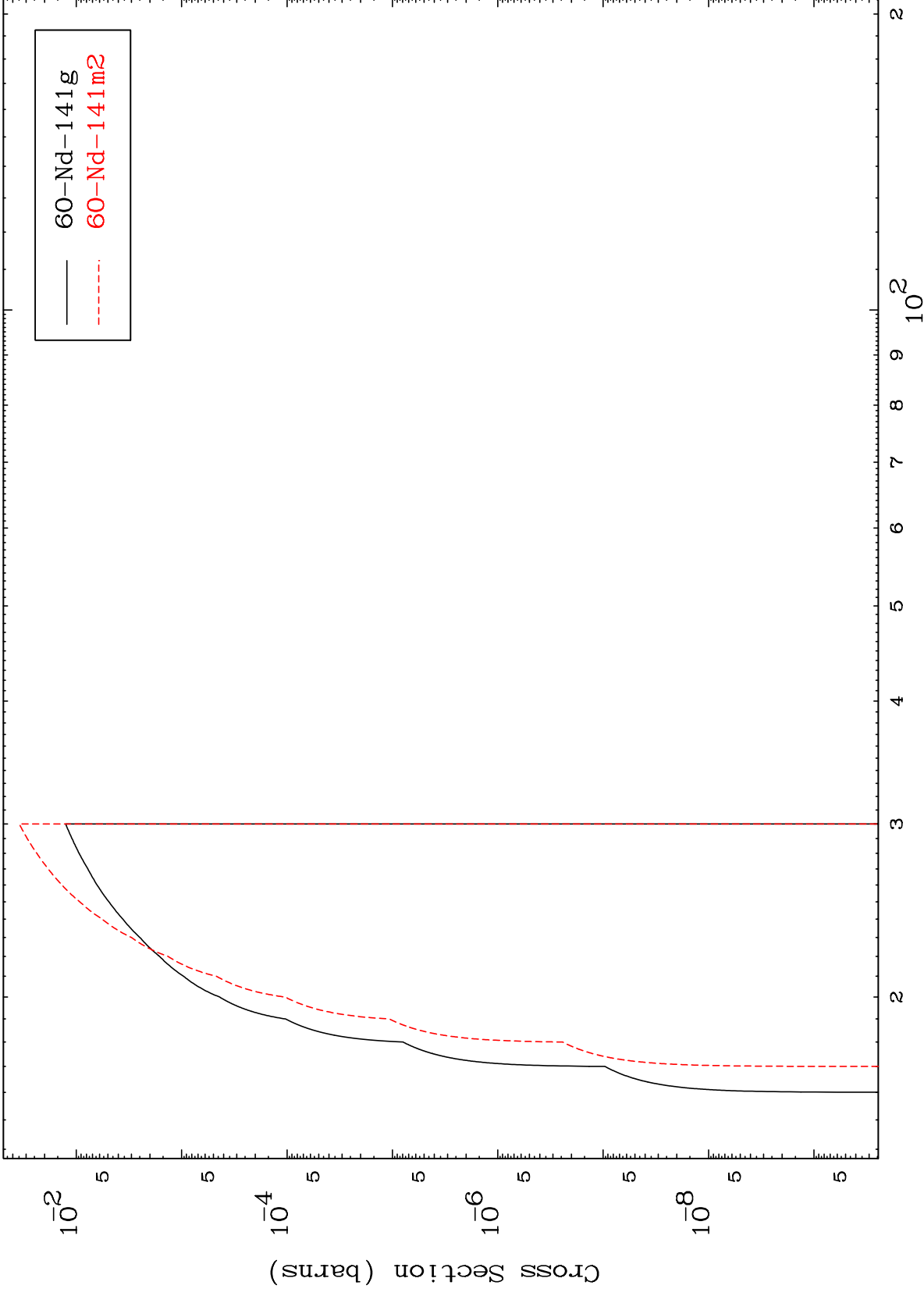
142

MAT 6137

(n,2n) p

61-Pm-143

Radionuclide Production Cross Section



143

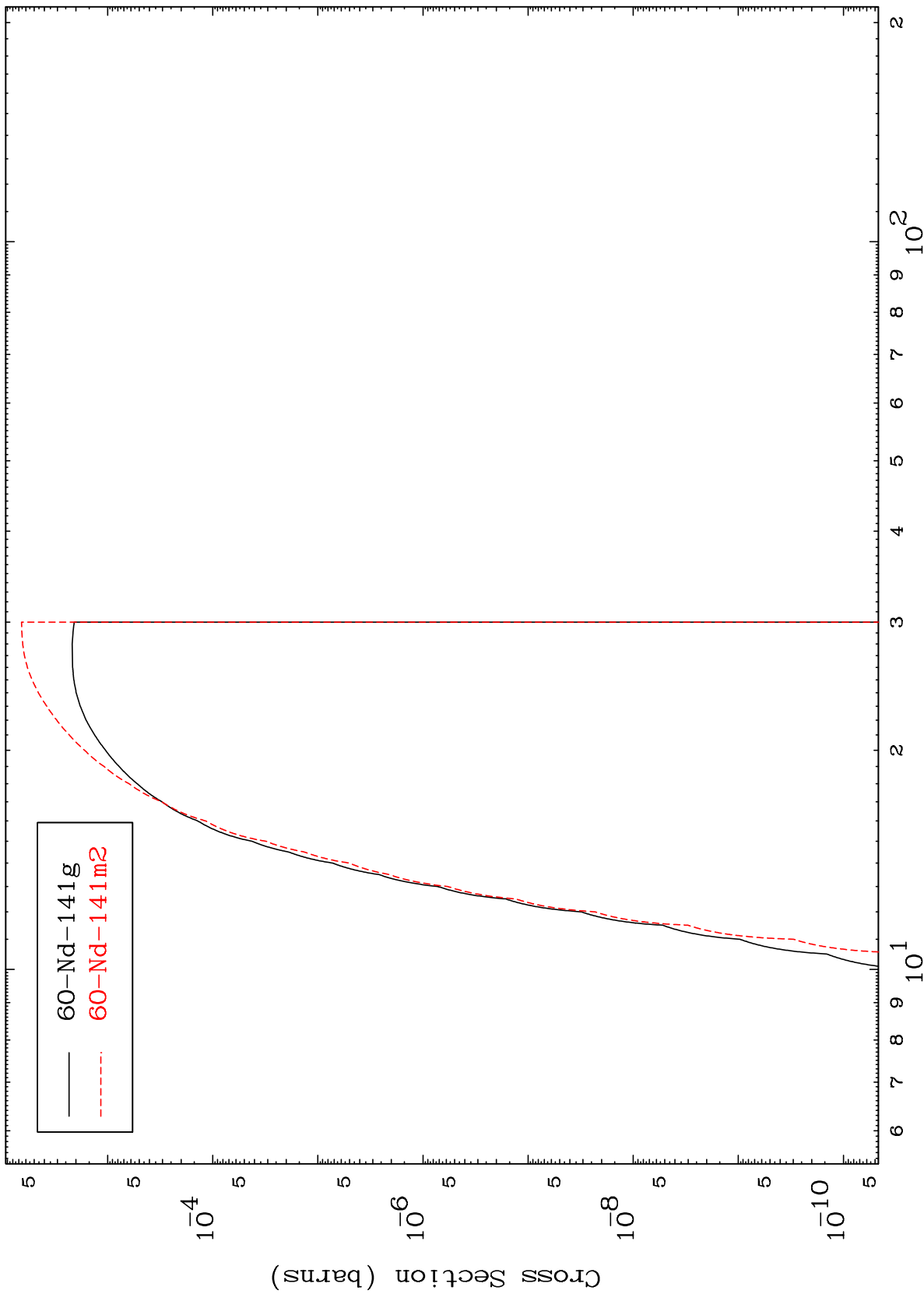
Incident Energy (MeV)

61-Pm-143

MAT 6137

61-Pm-143

(n, t)
Radionuclide Production Cross Section



144

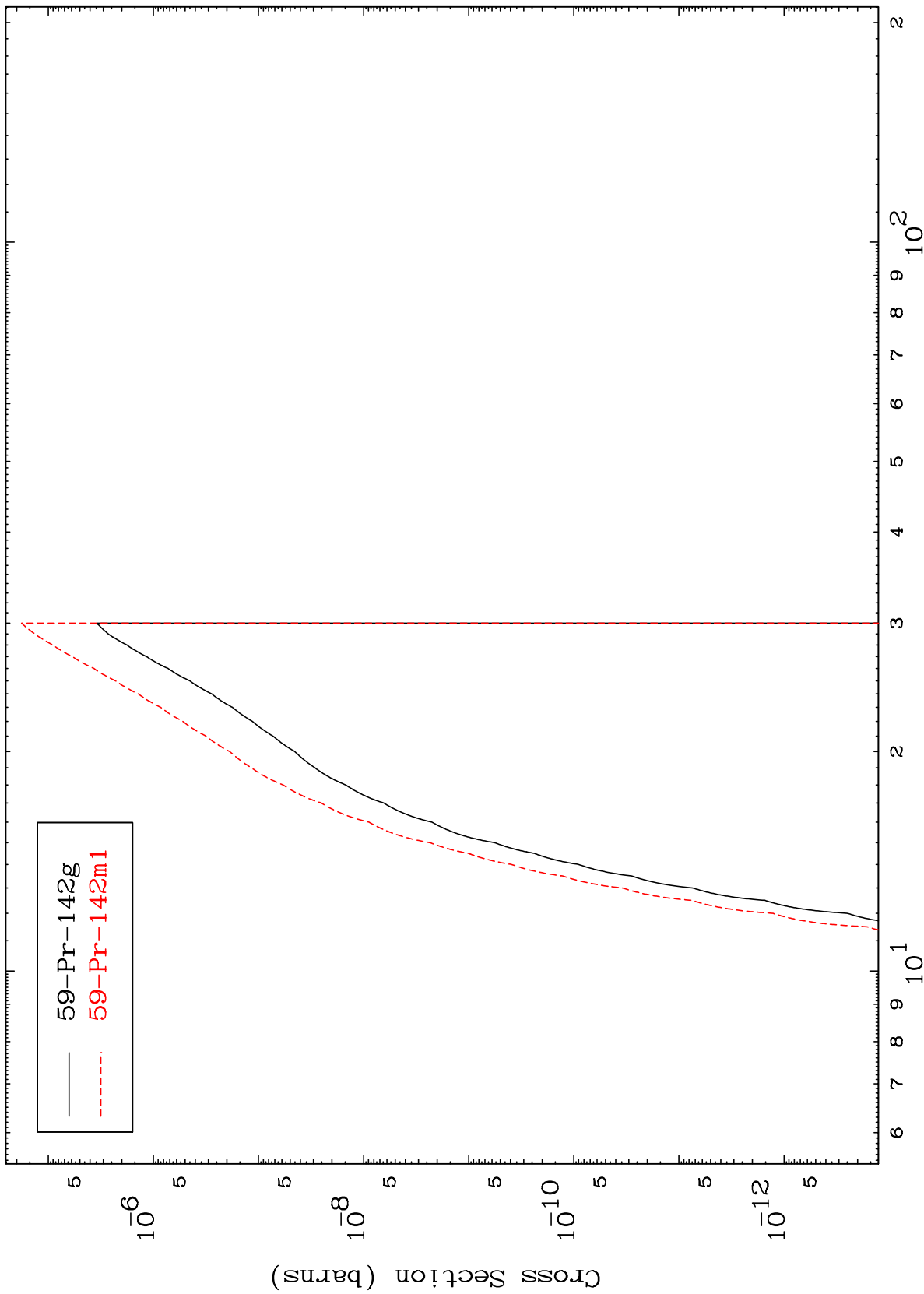
Incident Energy (MeV)

61-Pm-143

MAT 6137

61-Pm-143

(n,2p)
Radionuclide Production Cross Section



145

Incident Energy (MeV)

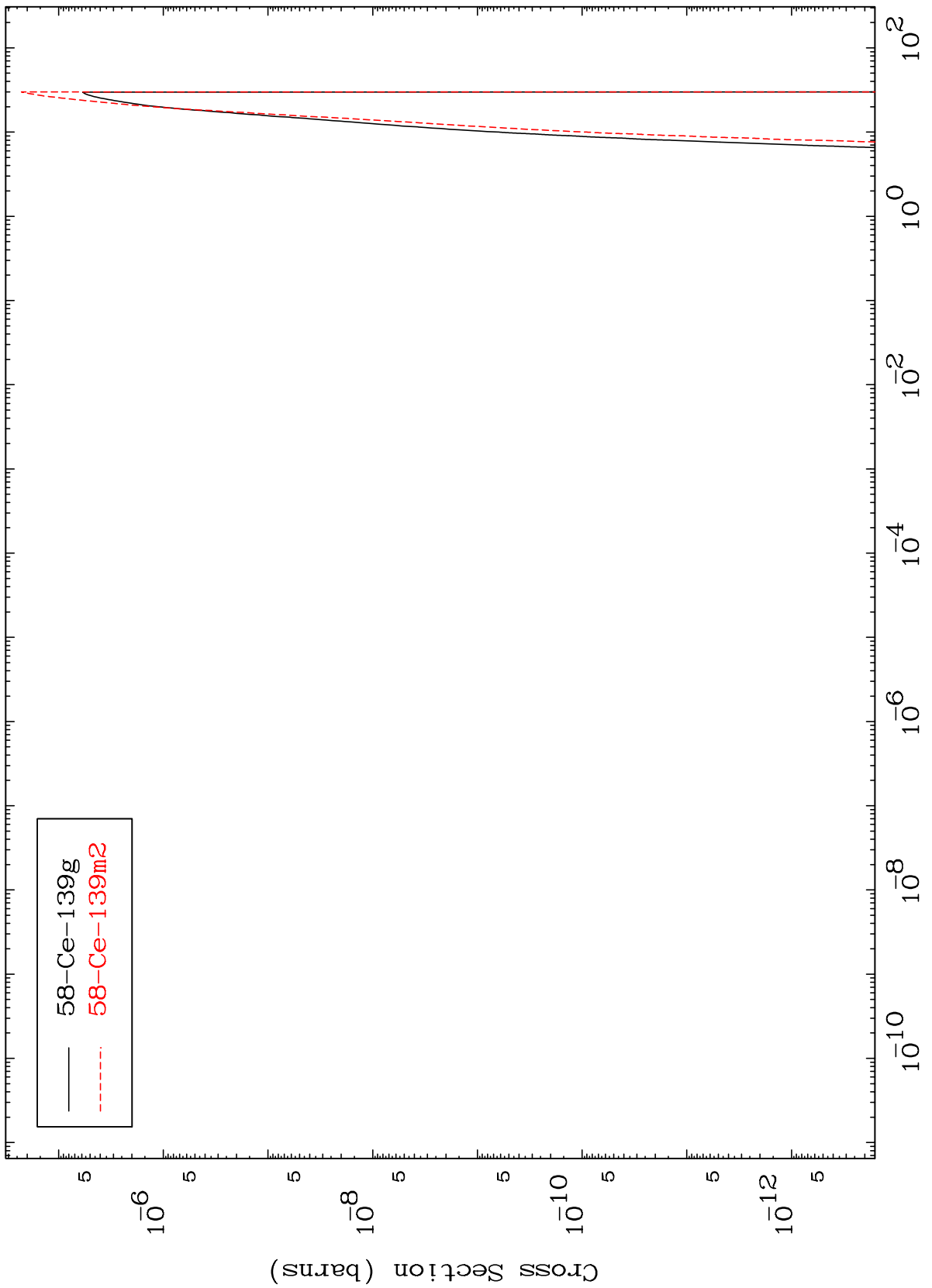
61-Pm-143

MAT 6137

(n,p) α

61-Pm-143

Radionuclide Production Cross Section



146

Incident Energy (MeV)

61-Pm-143