

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

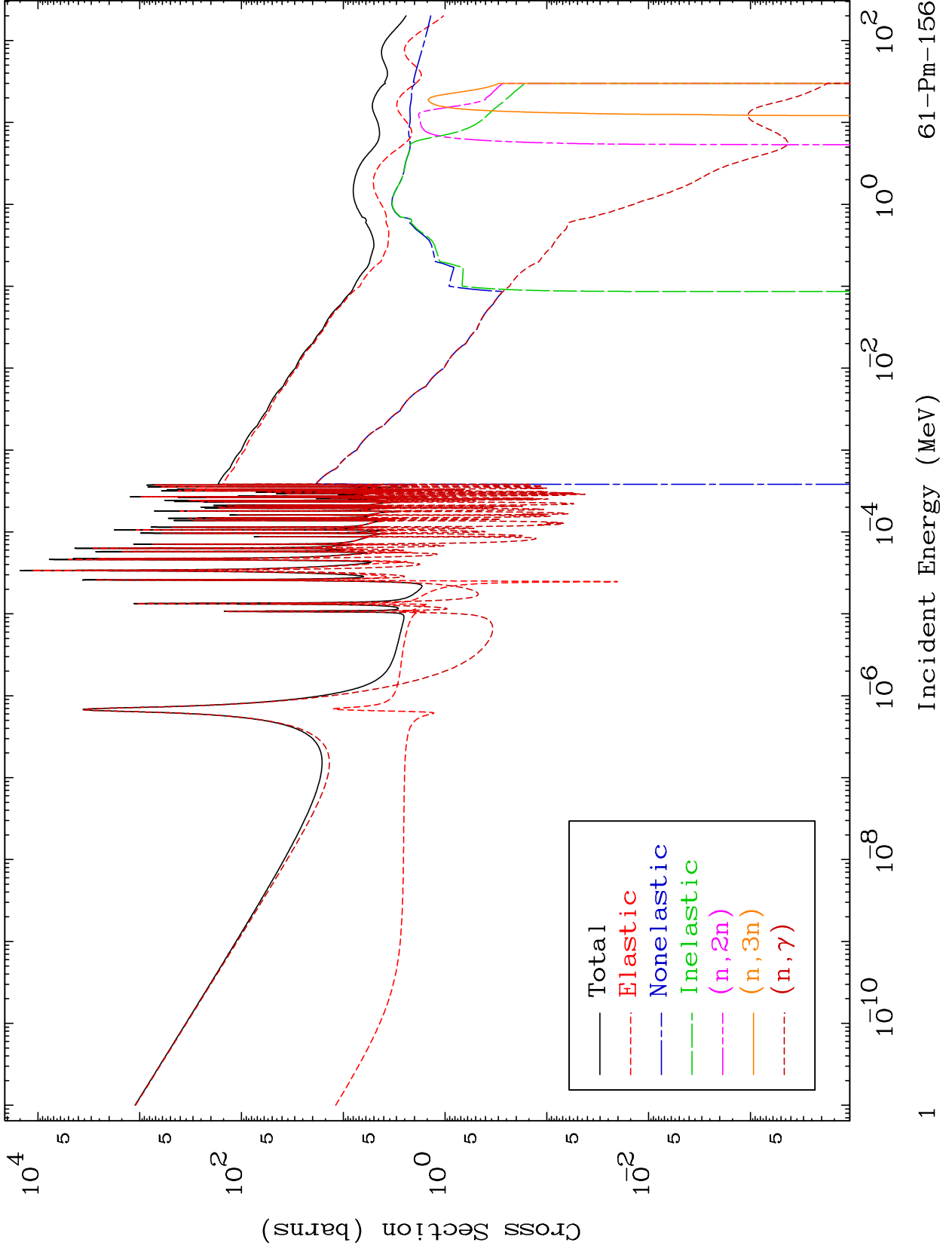
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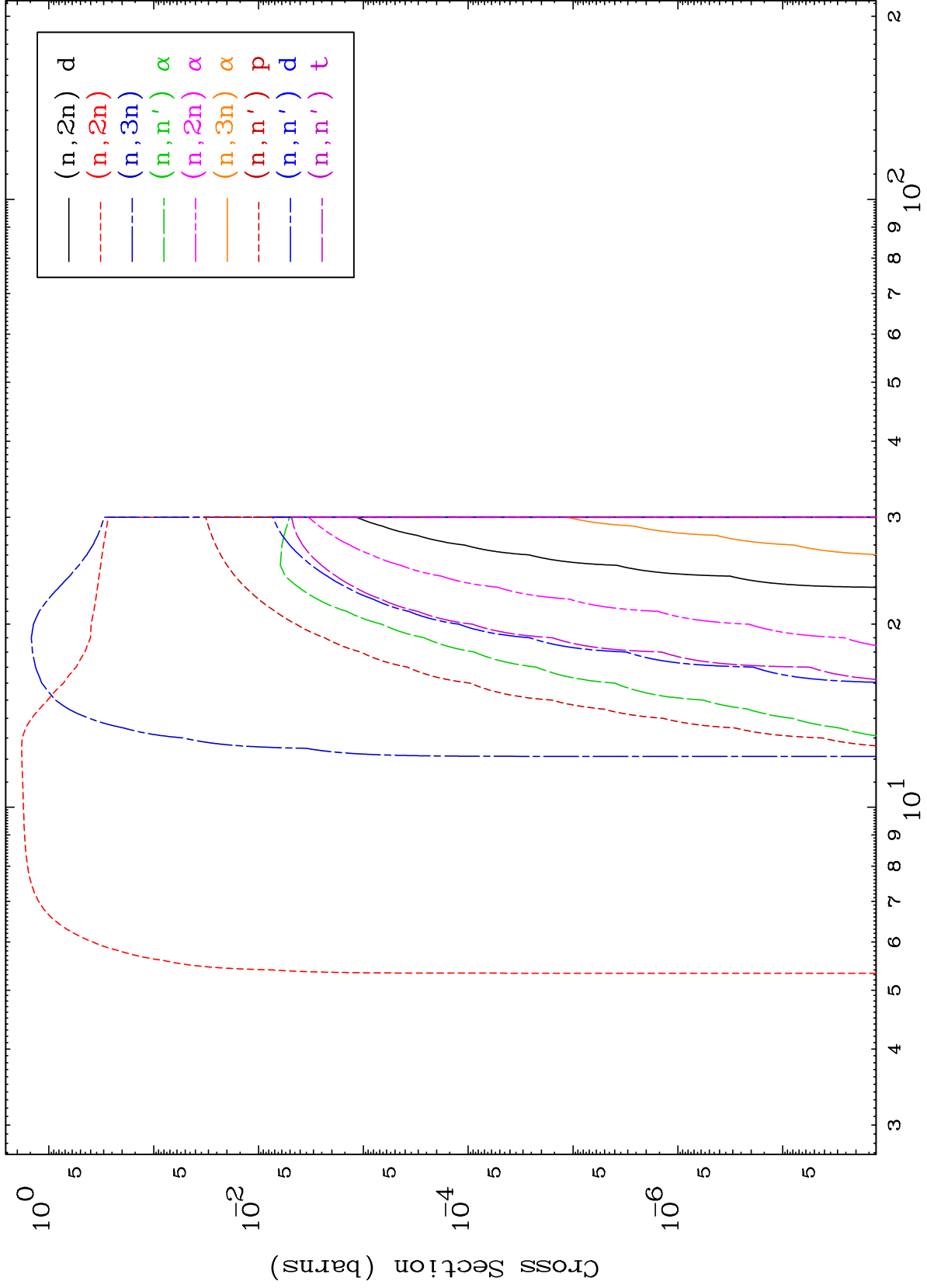
Press Mouse Button to Start

MAT 6176

Neutron Major
293 Kelvin Cross Sections

61-Pm-156

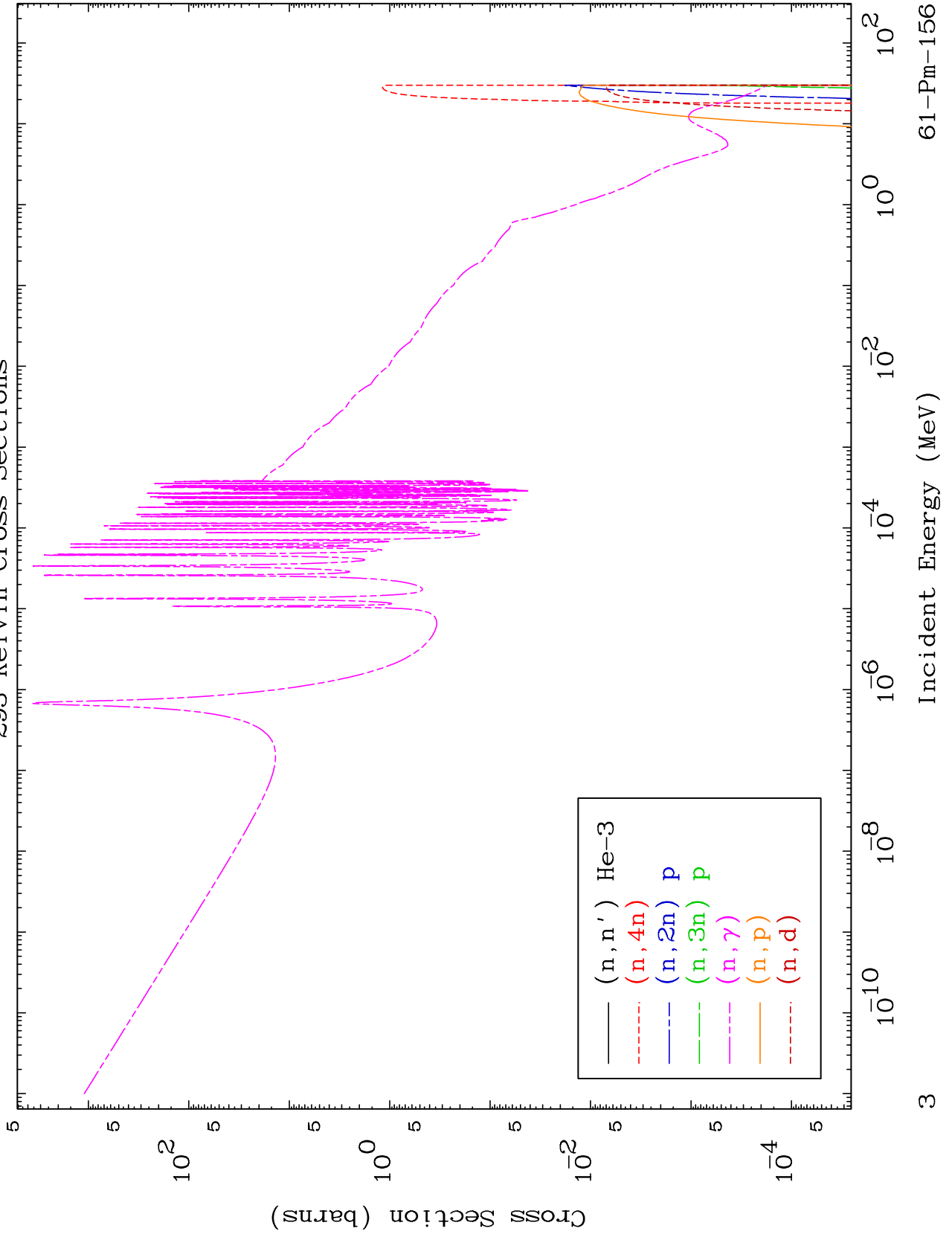




MAT 6176

Neutron Absorption
293 Kelvin Cross Sections

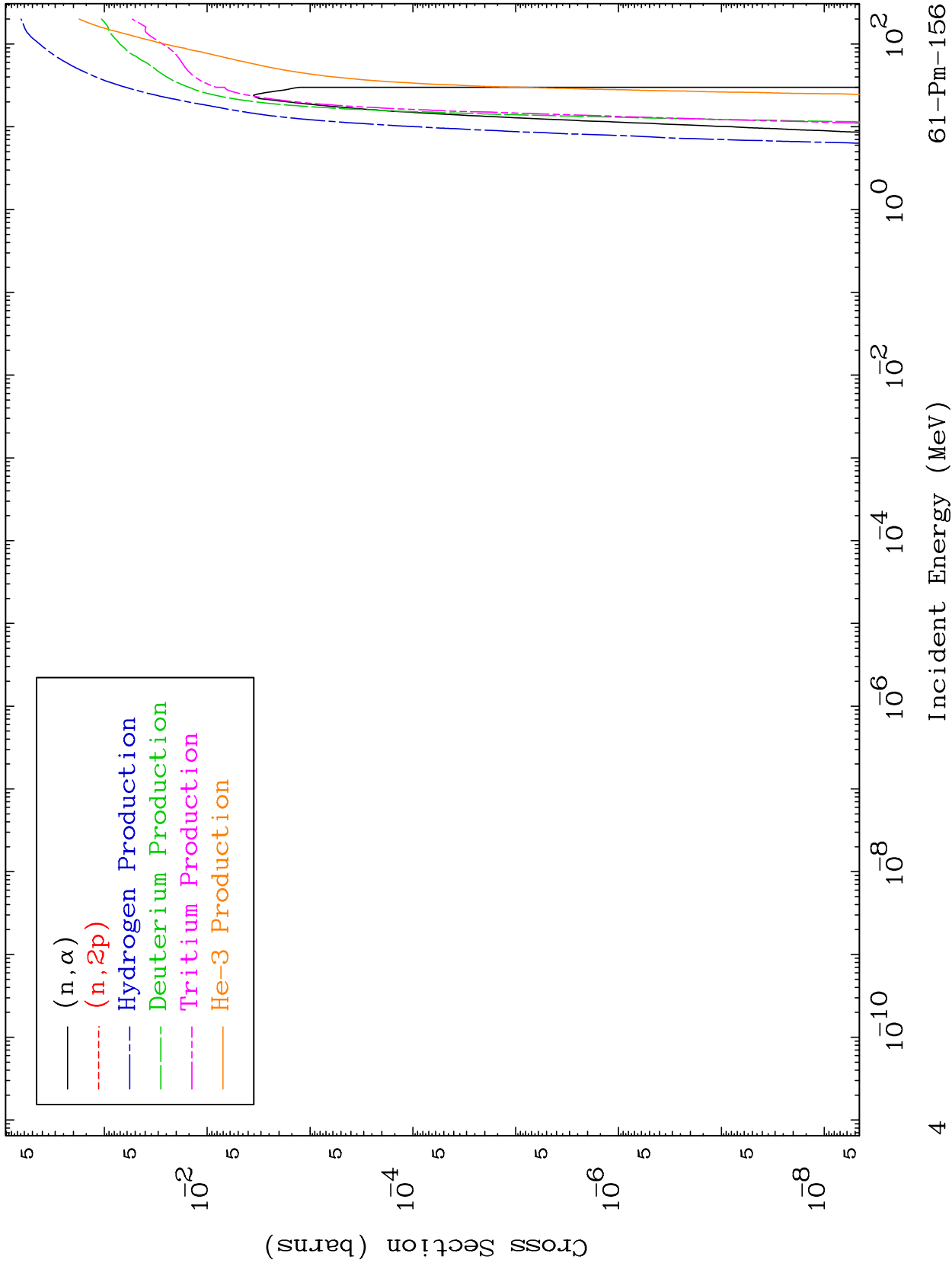
61-Pm-156

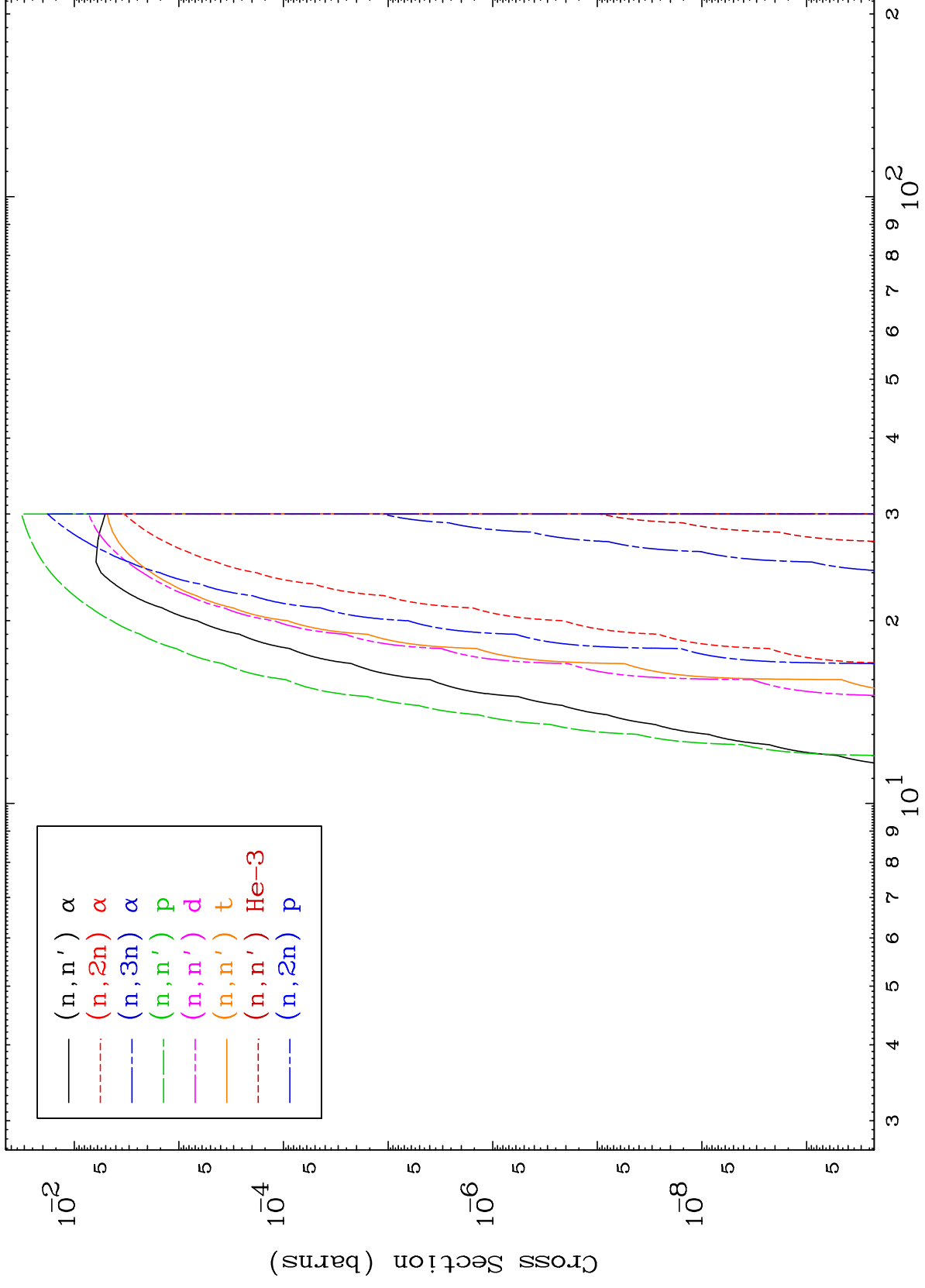


MAT 6176

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-156

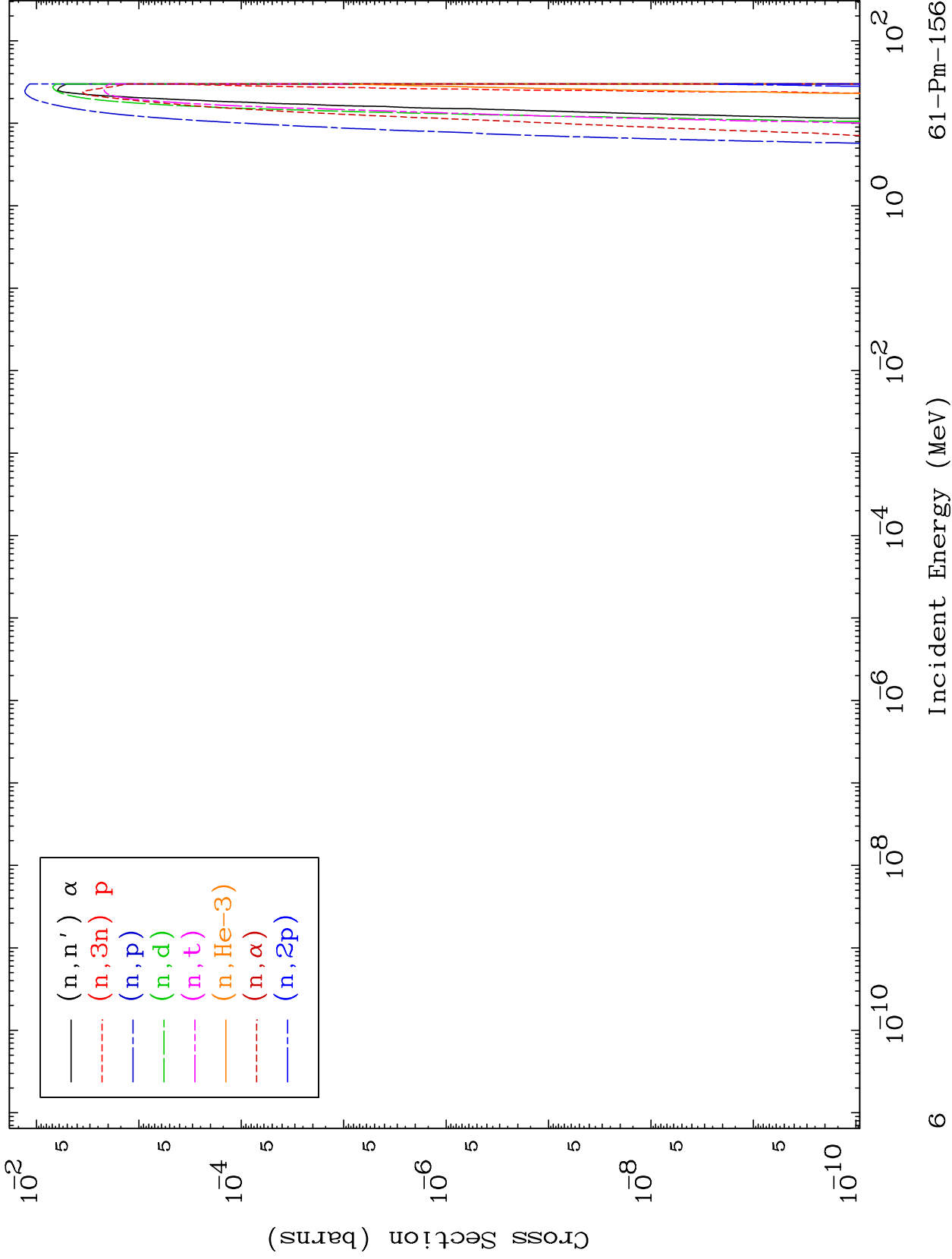


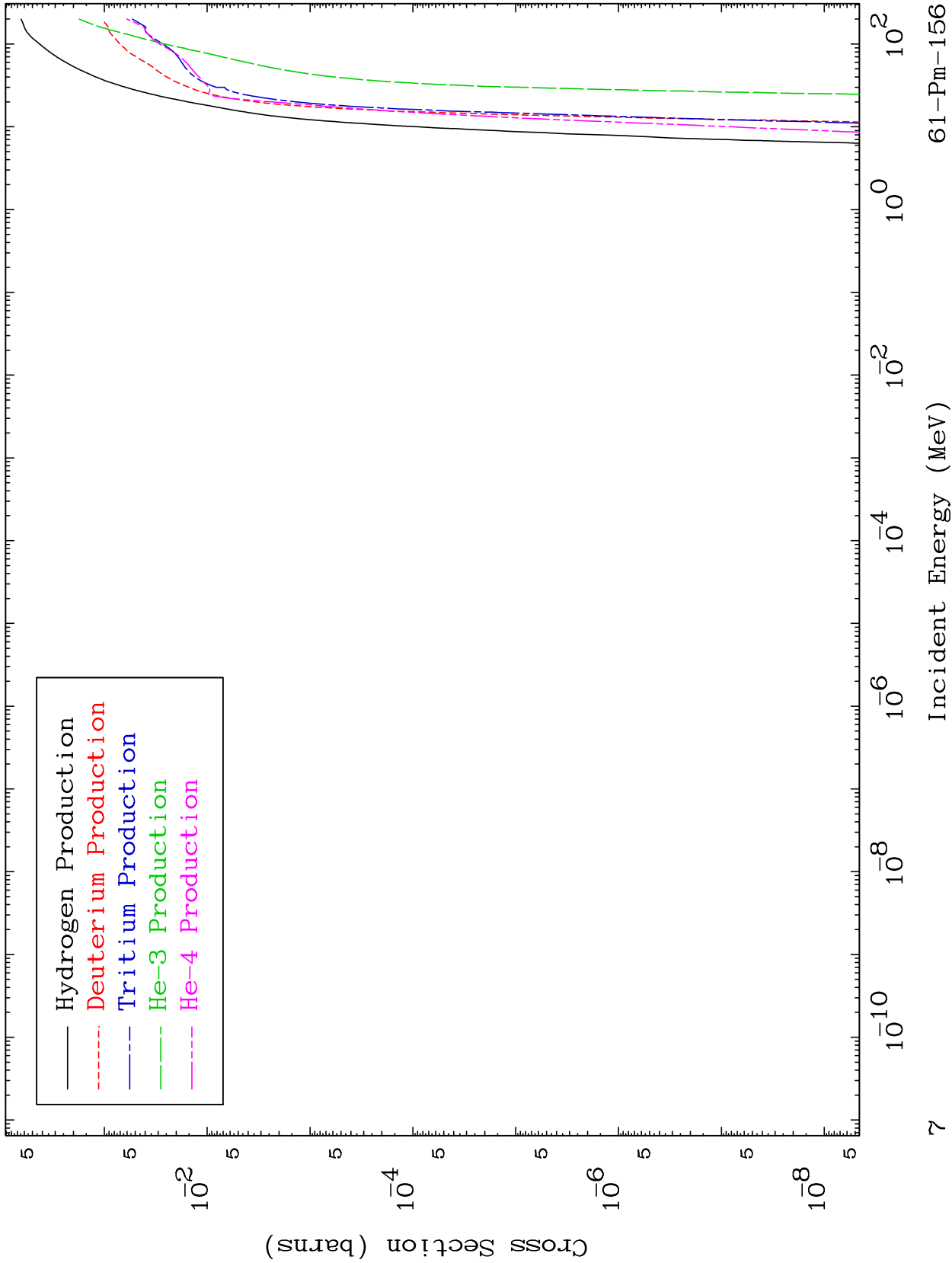


MAT 6176

Charged Particle
293 Kelvin Cross Sections

61-Pm-156



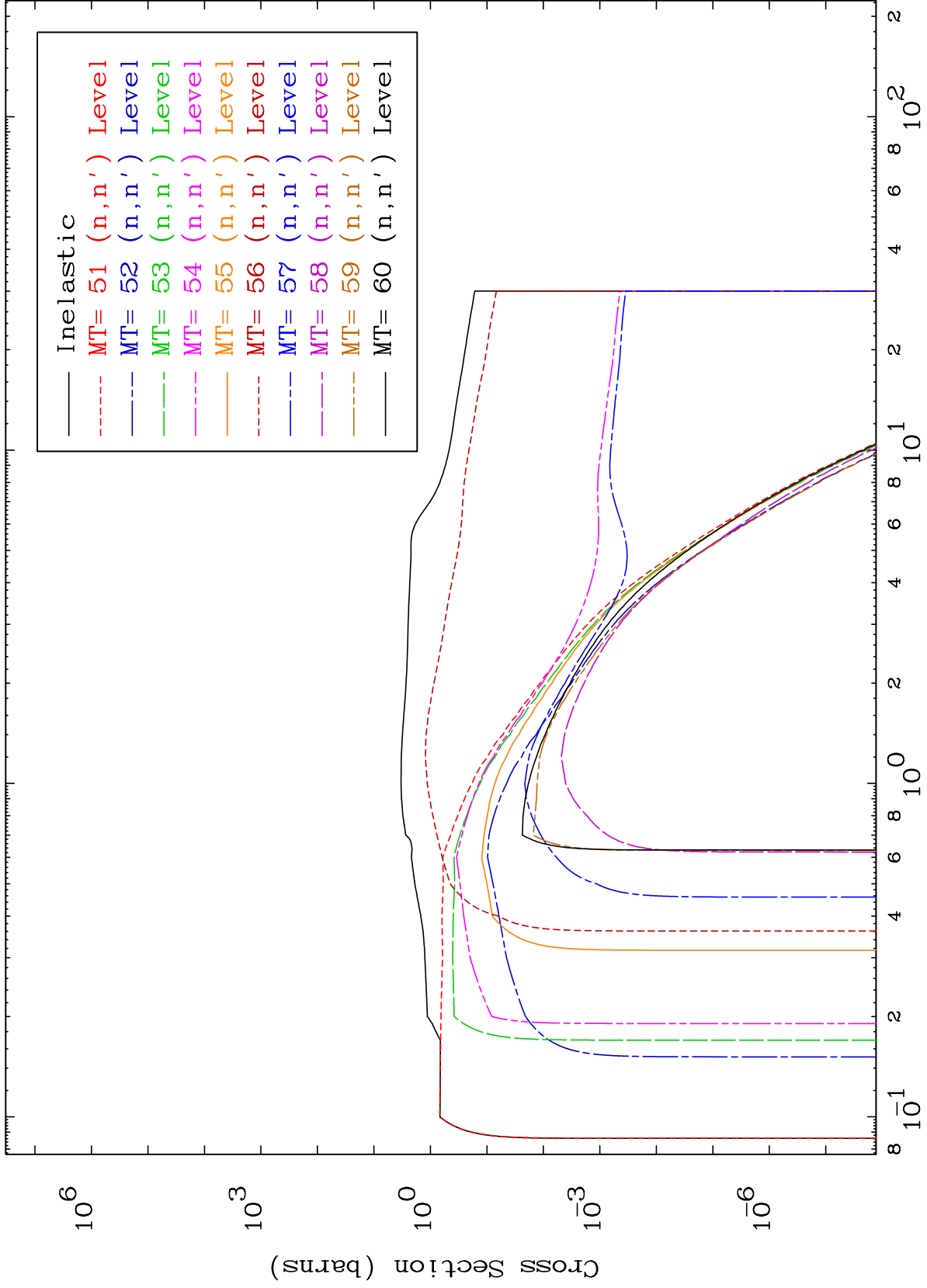


MAT 6176

(n,n') Levels

293 Kelvin Cross Sections

61-Pm-156



8

Incident Energy (MeV)

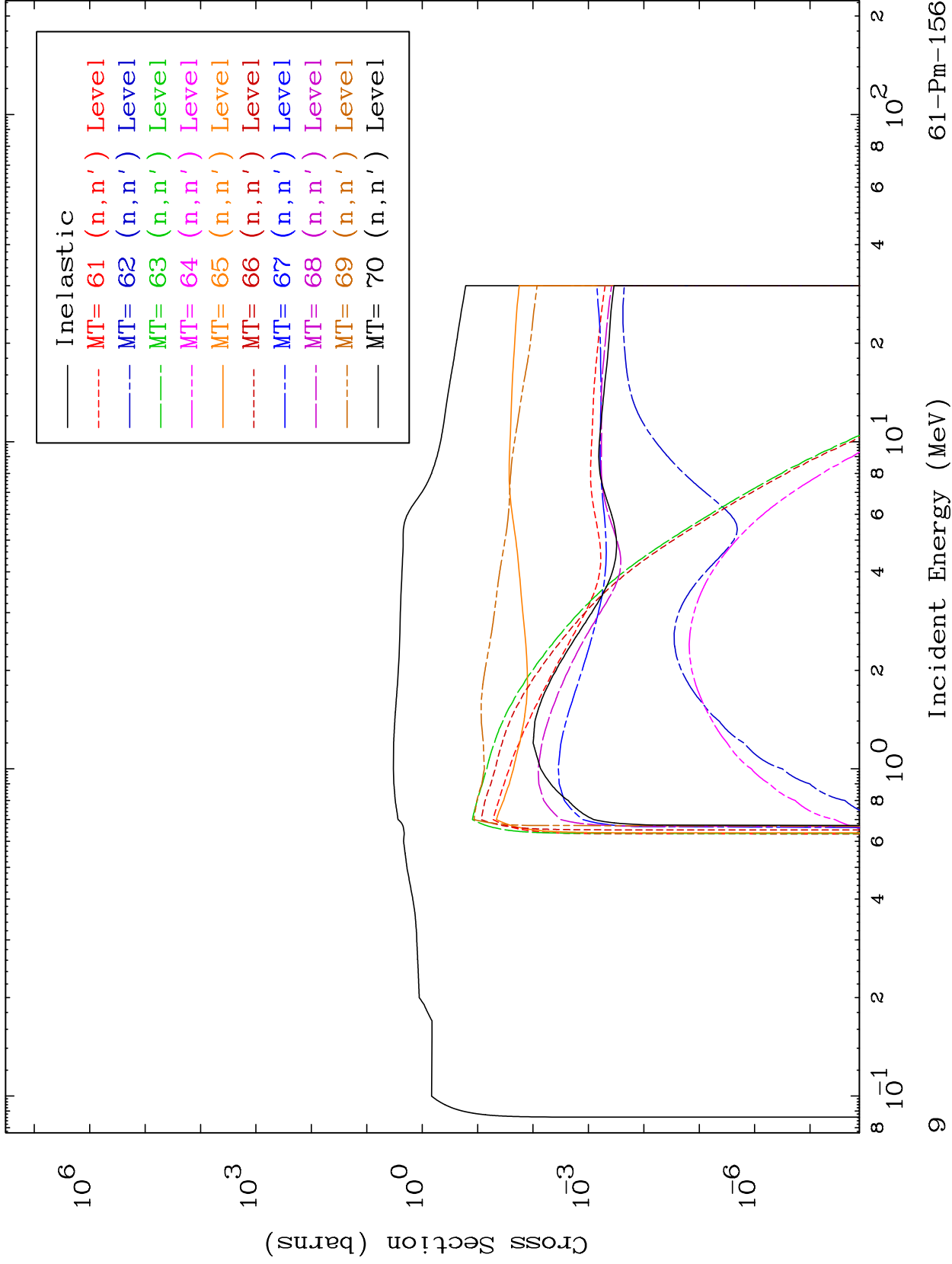
61-Pm-156

MAT 6176

(n,n') Levels

61-Pm-156

293 Kelvin Cross Sections

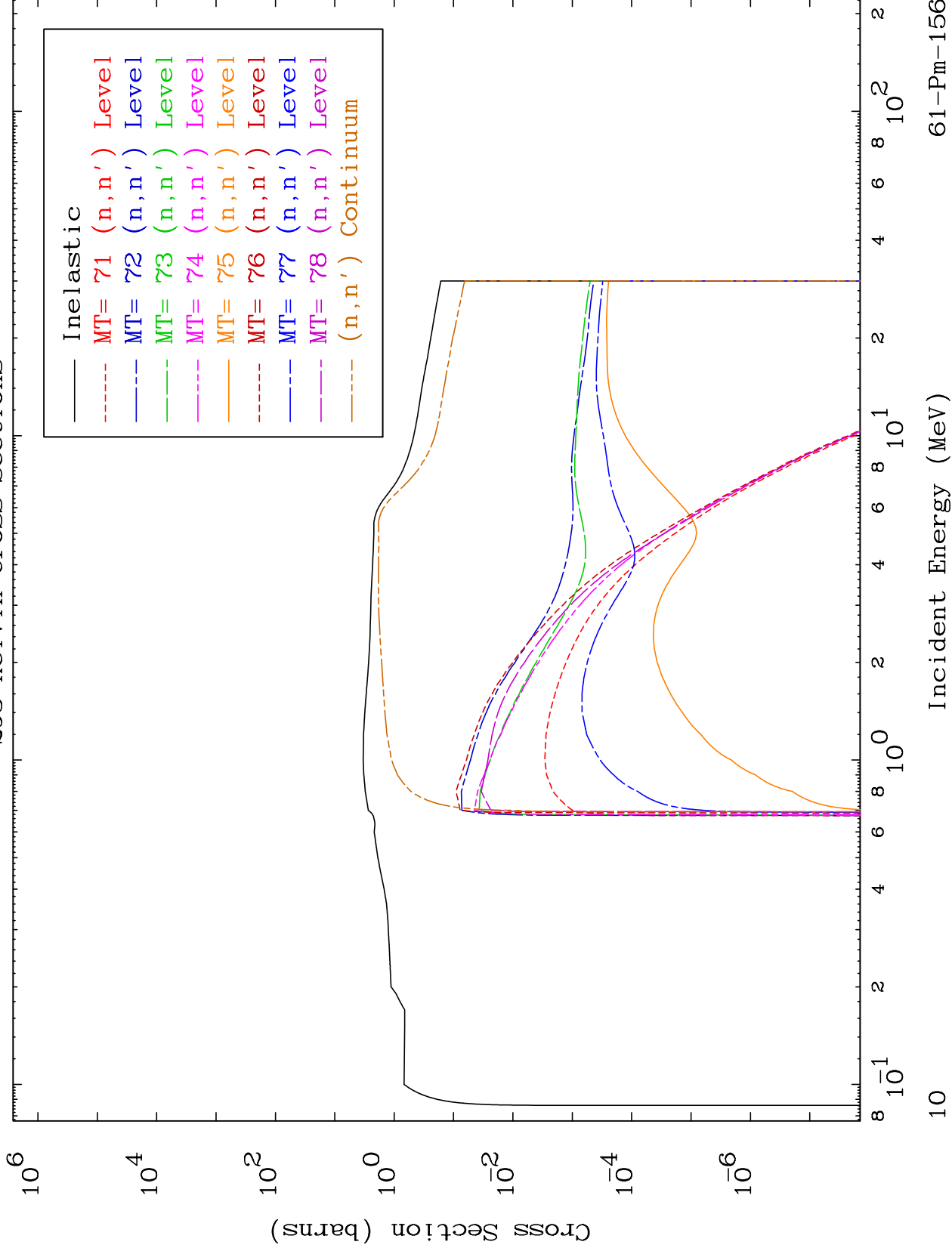


MAT 6176

(n,n') Levels

61-Pm-156

293 Kelvin Cross Sections



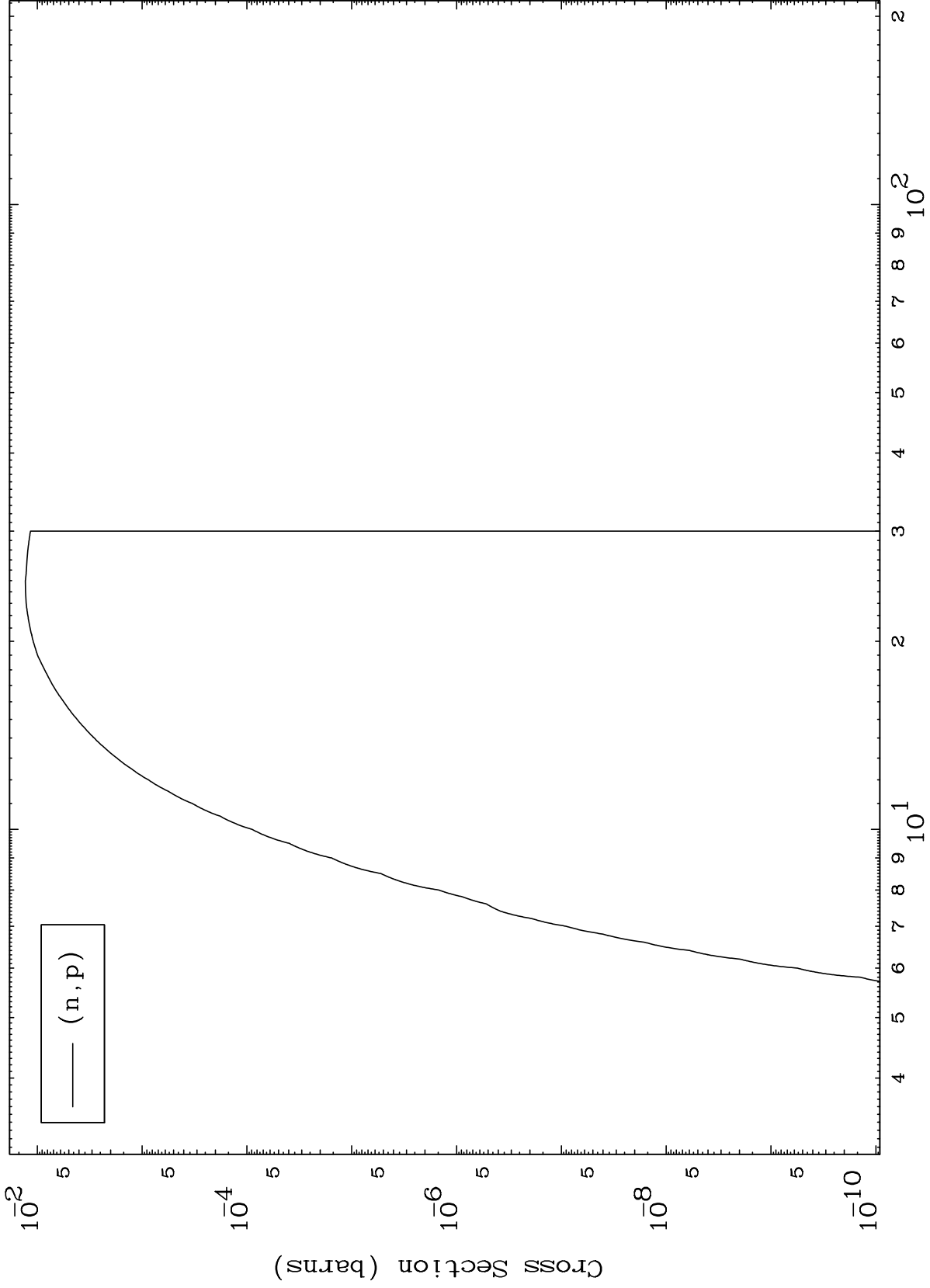
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,p) Levels
293 Kelvin Cross Sections

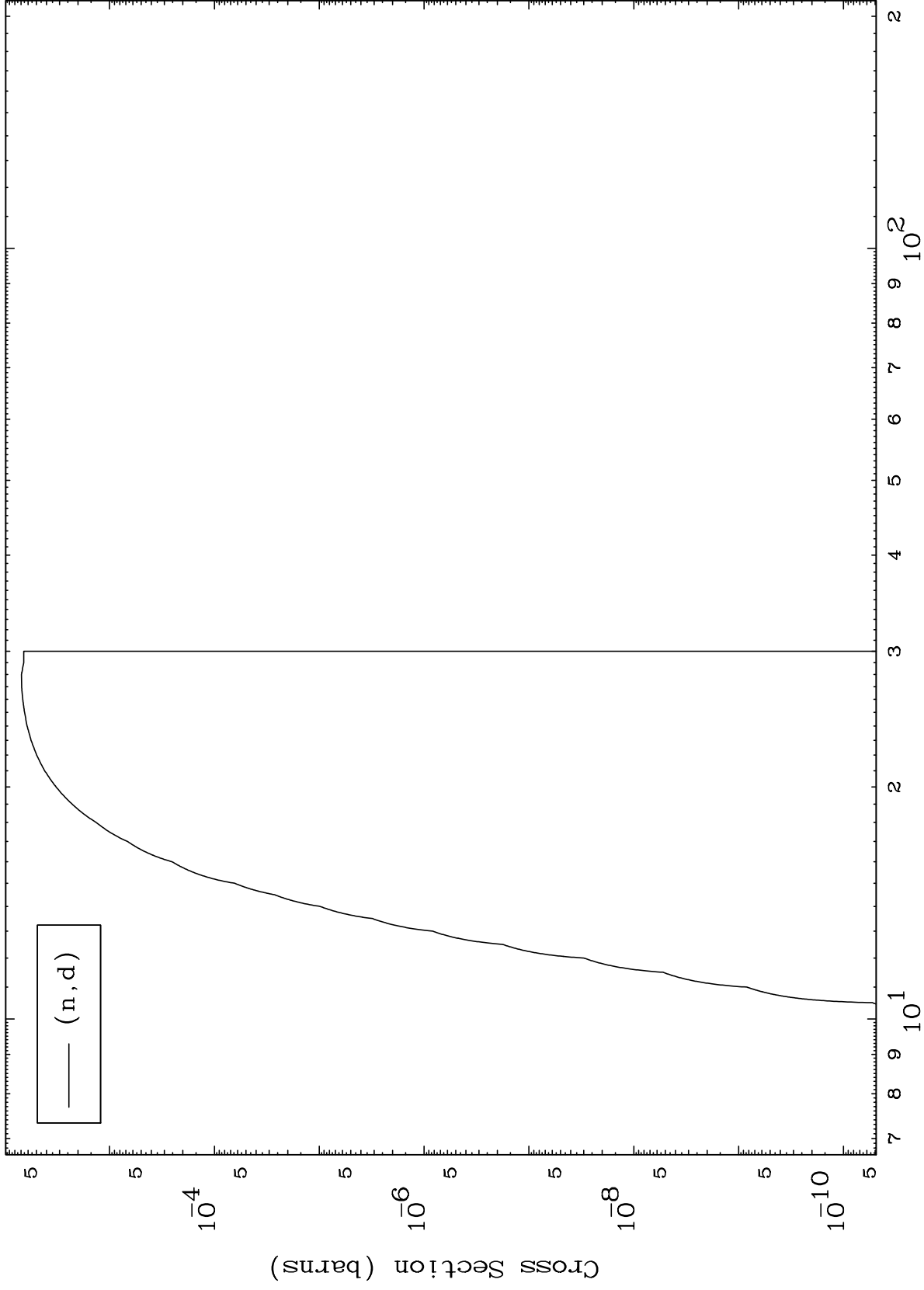
61-Pm-156



MAT 6176

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-156



12

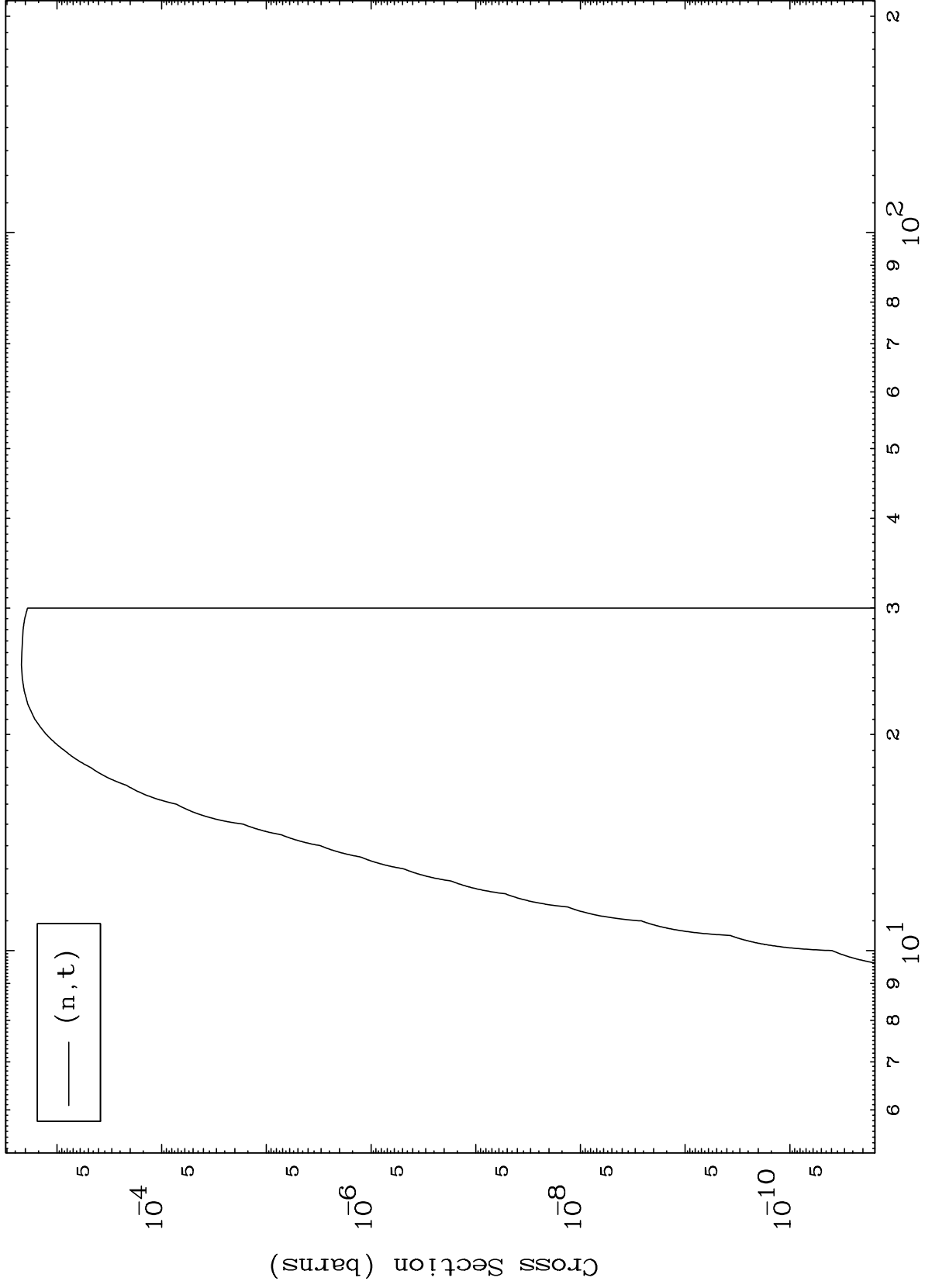
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n, t) Levels
293 Kelvin Cross Sections

61-Pm-156



13

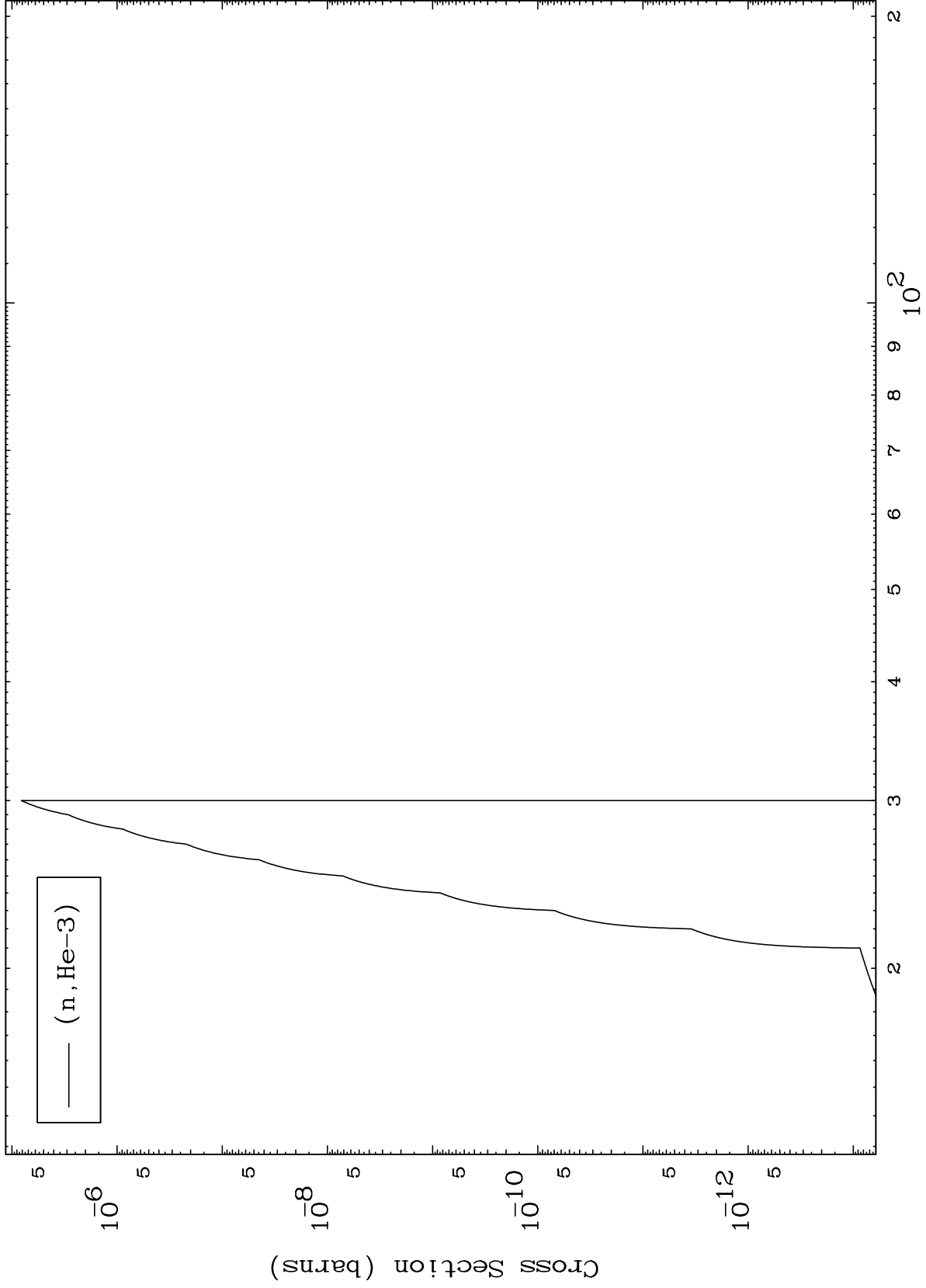
Incident Energy (MeV)

61-Pm-156

MAT 6176

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-156



14

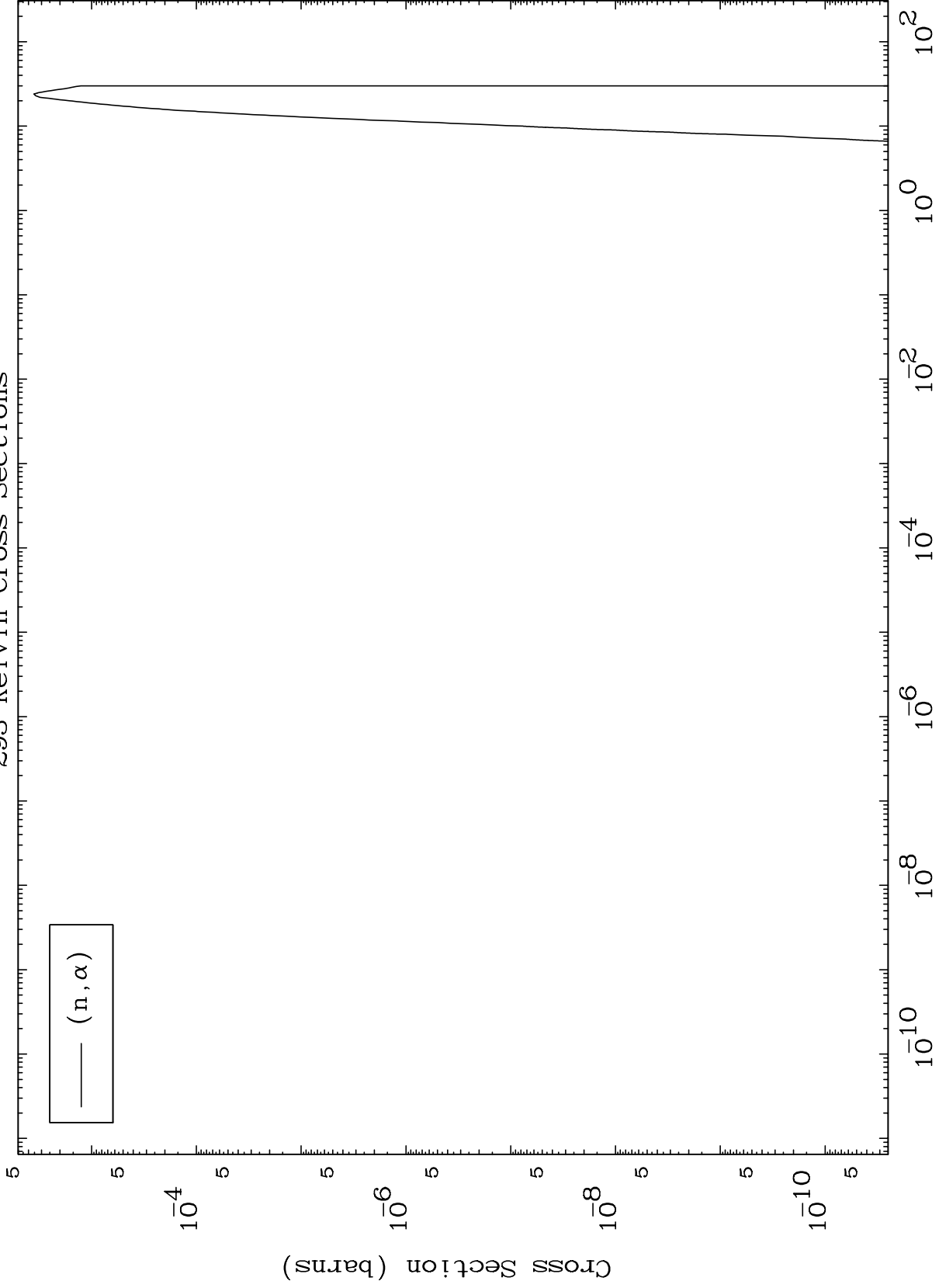
Incident Energy (MeV)

61-Pm-156

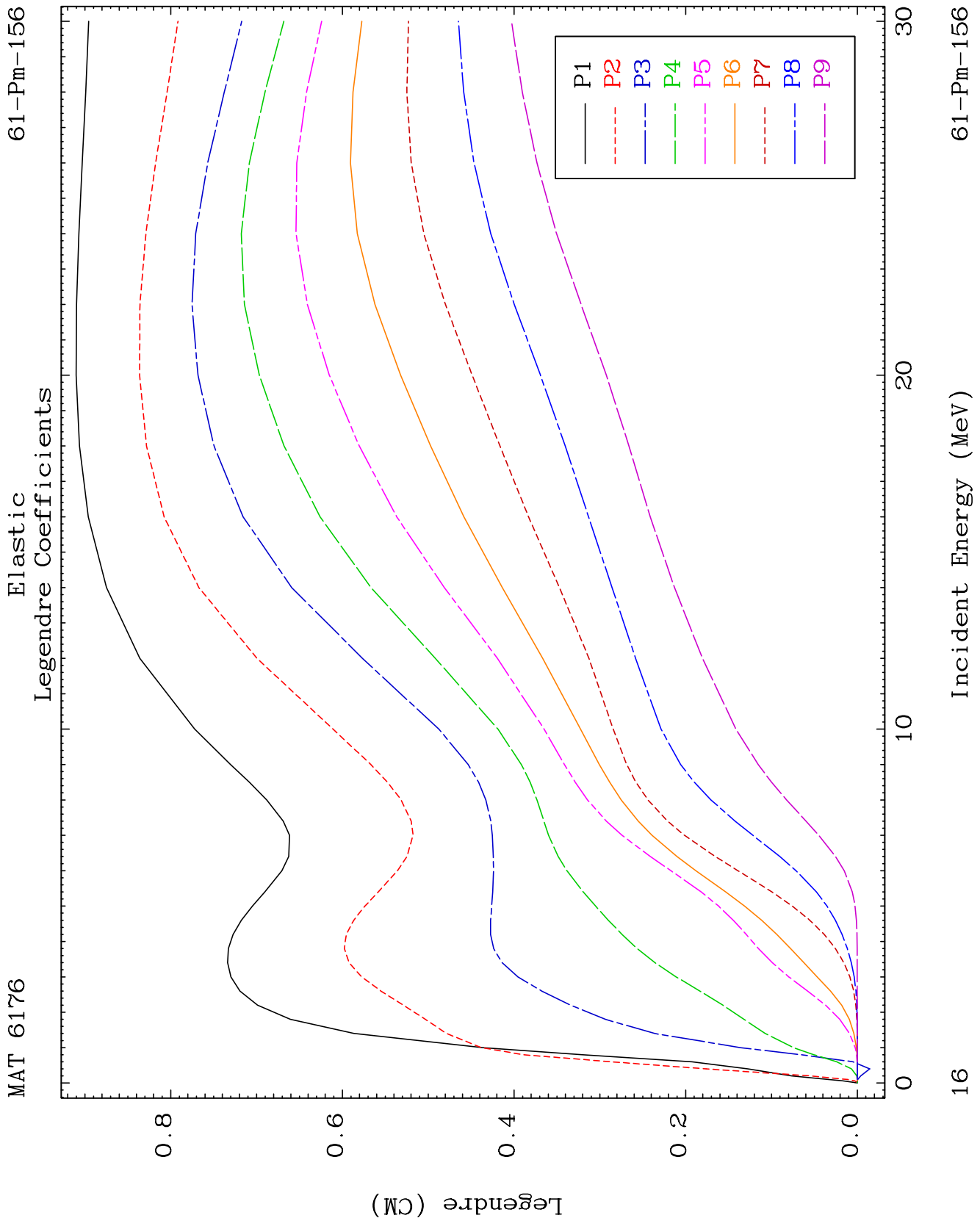
MAT 6176

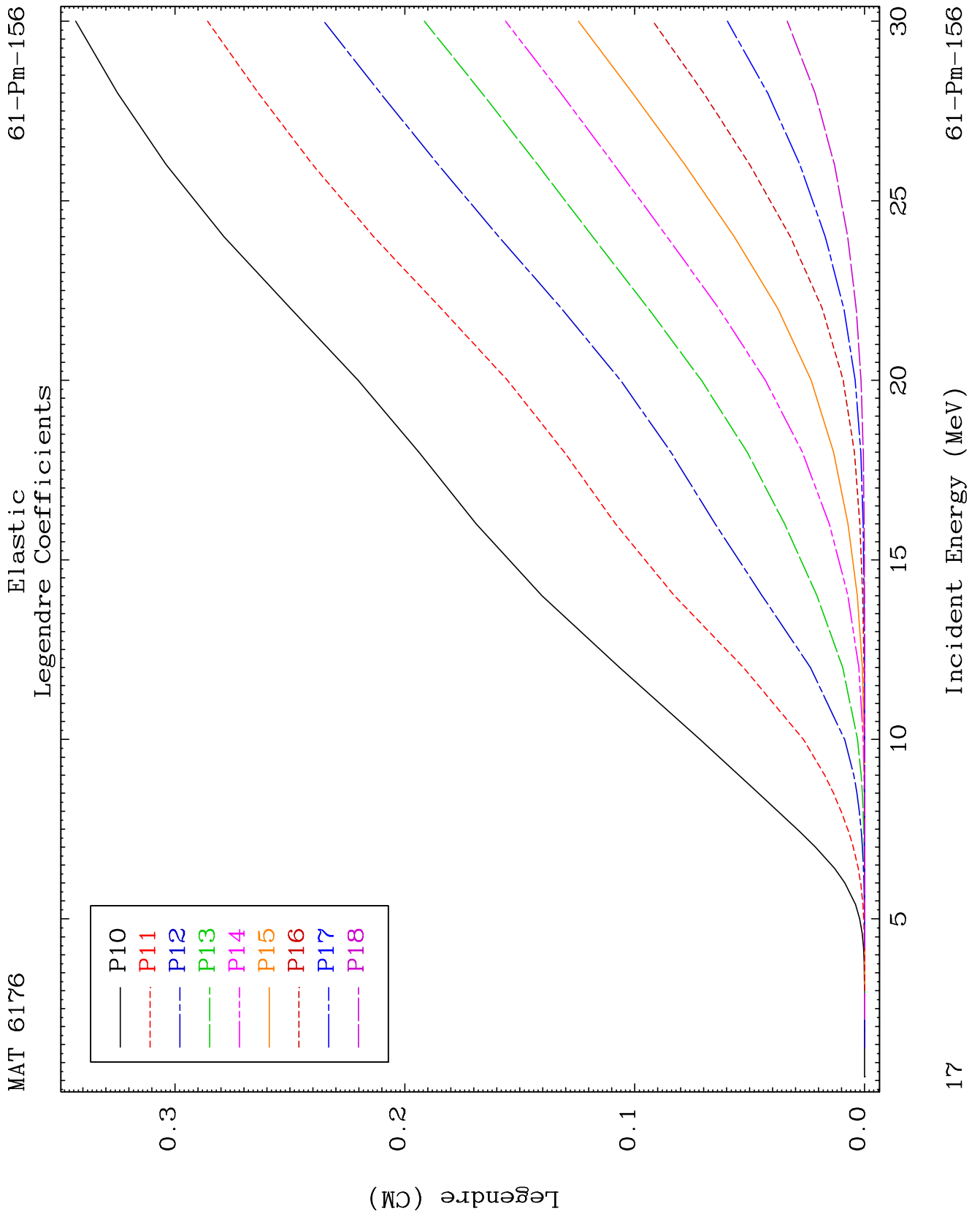
(n, α) Levels
293 Kelvin Cross Sections

61-Pm-156



(n, α)

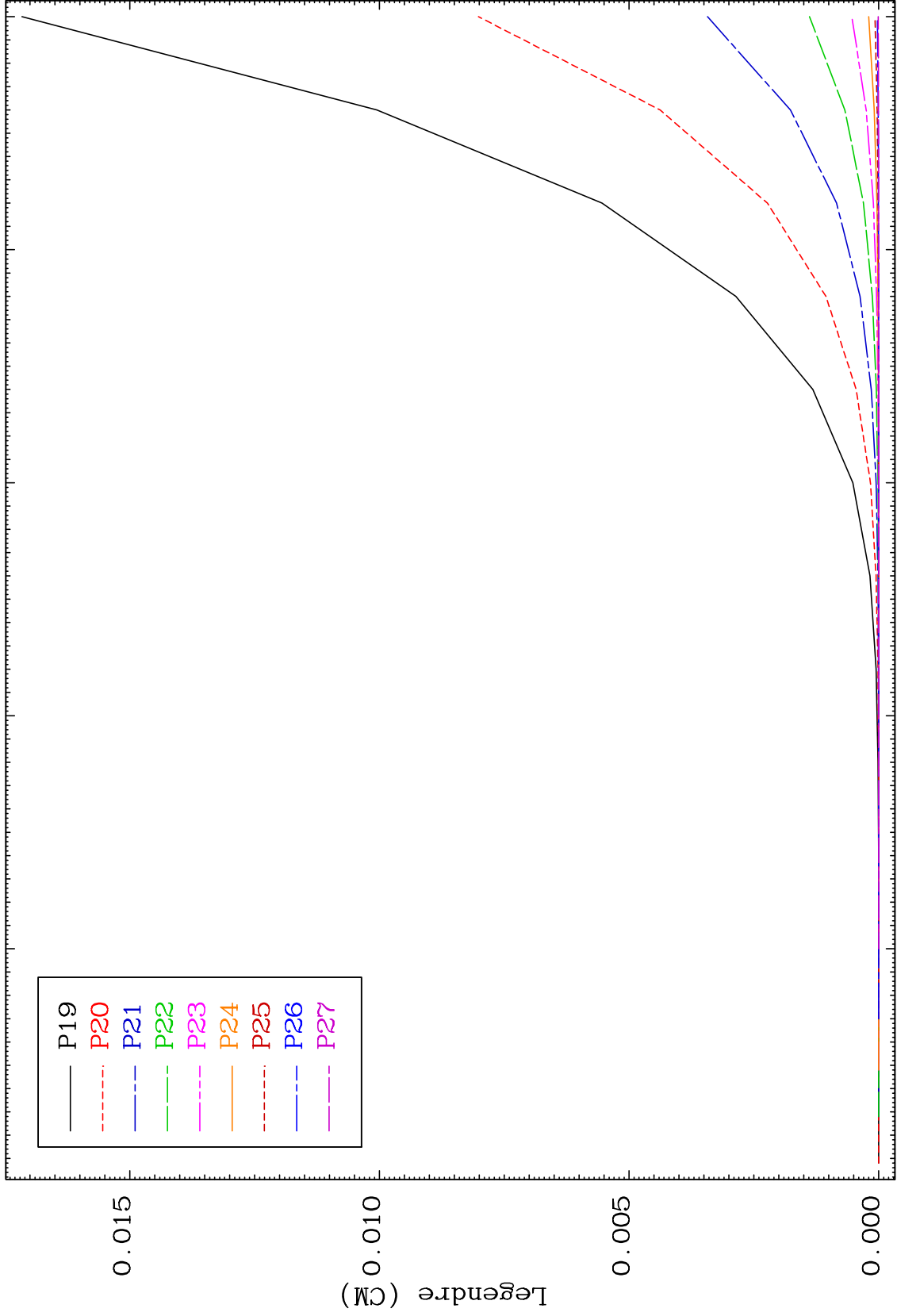




MAT 6176

Elastic Legendre Coefficients

61-Pm-156



18

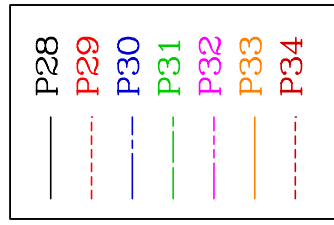
Incident Energy (MeV)

61-Pm-156

MAT 6176

Elastic Legendre Coefficients

61-Pm-156



$\times 10^{-6}$
2.5
2.0

Legendre (CM)

1.5
1.0
0.5
0.0

10

15

20

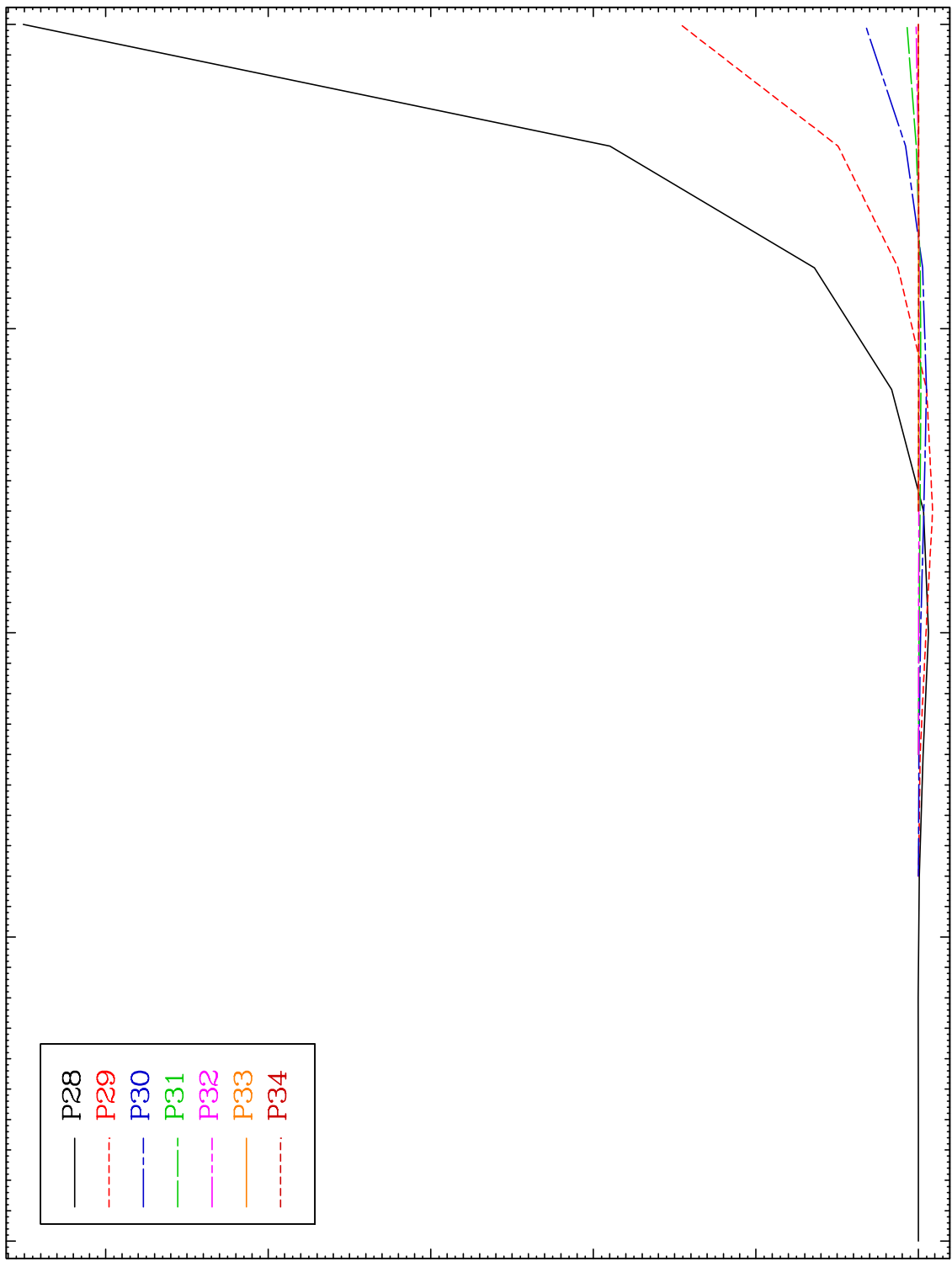
25

30

19

Incident Energy (MeV)

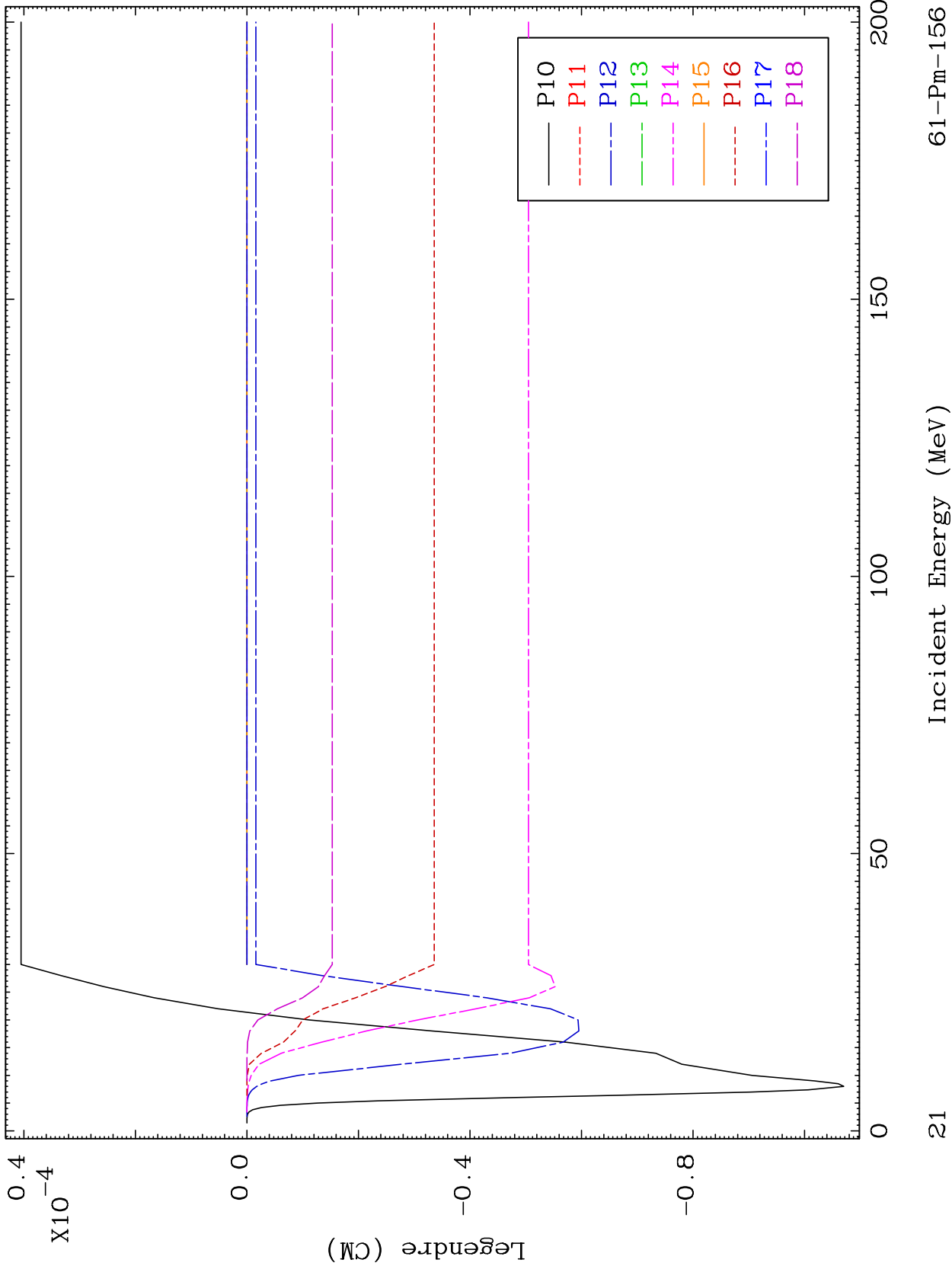
61-Pm-156



MAT 6176

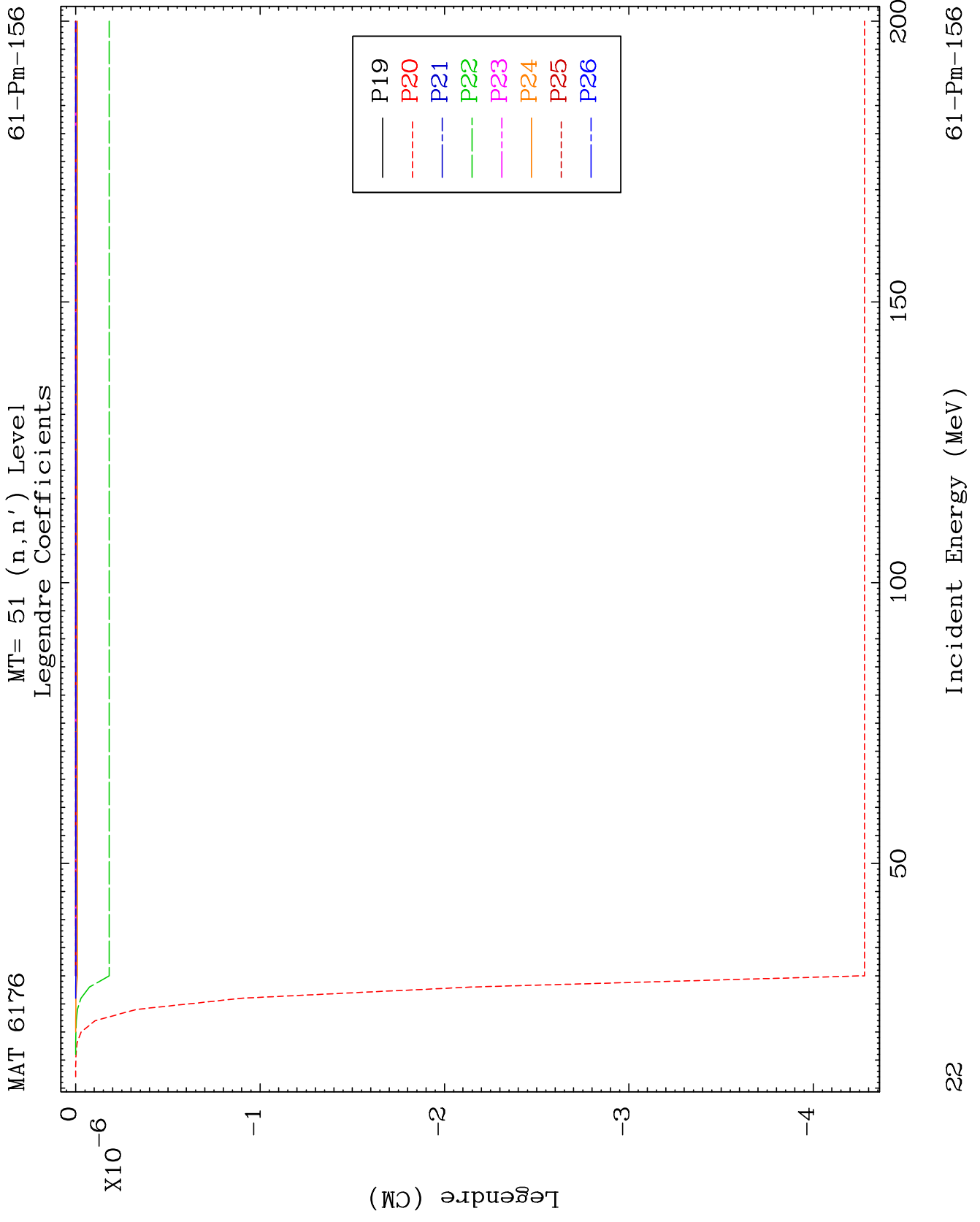
MT= 51 (n,n') Level
Legendre Coefficients

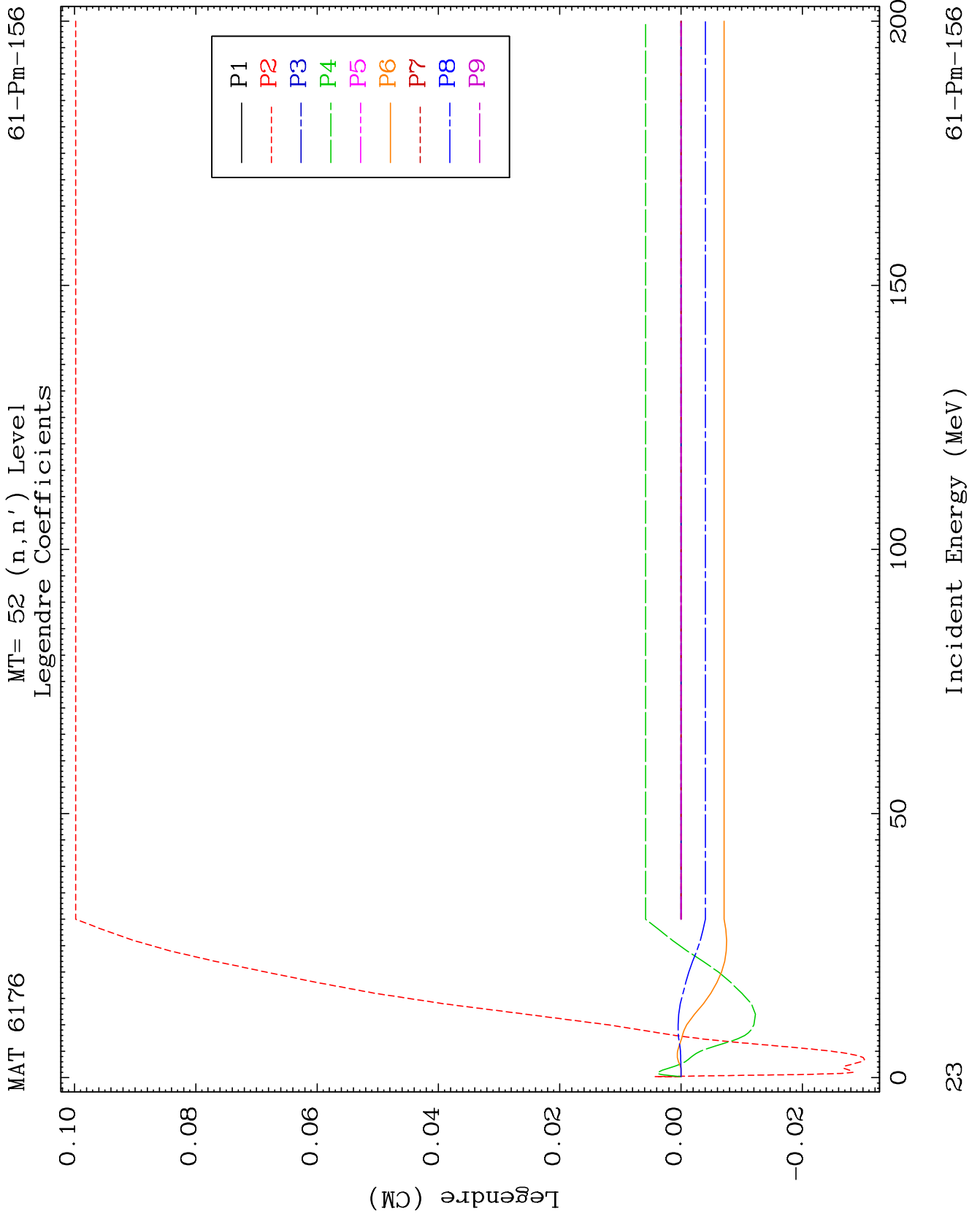
61-Pm-156



21

61-Pm-156





61-Pm-156

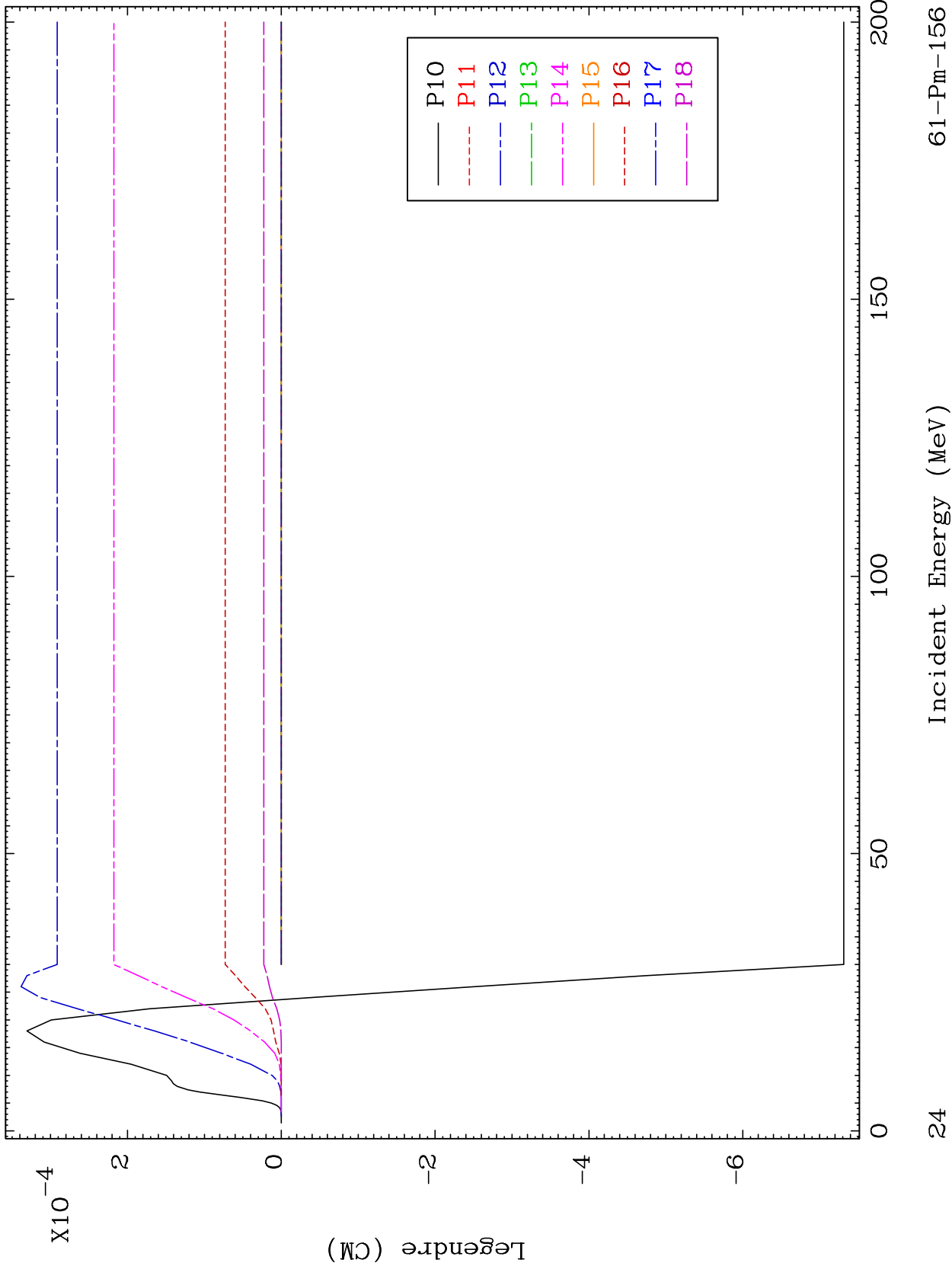
Incident Energy (MeV)

23

MAT 6176

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

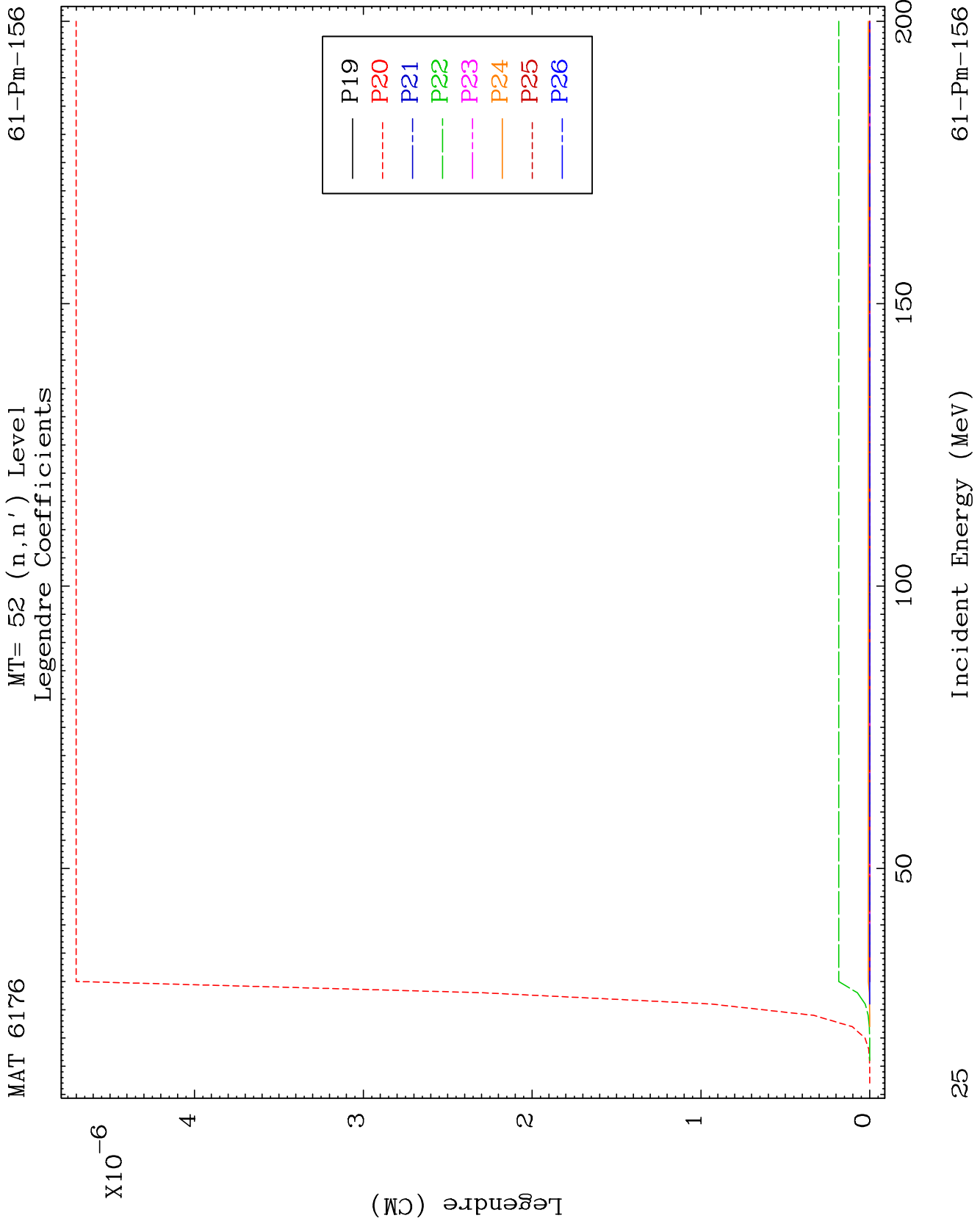
61-Pm-156



24

Incident Energy (MeV)

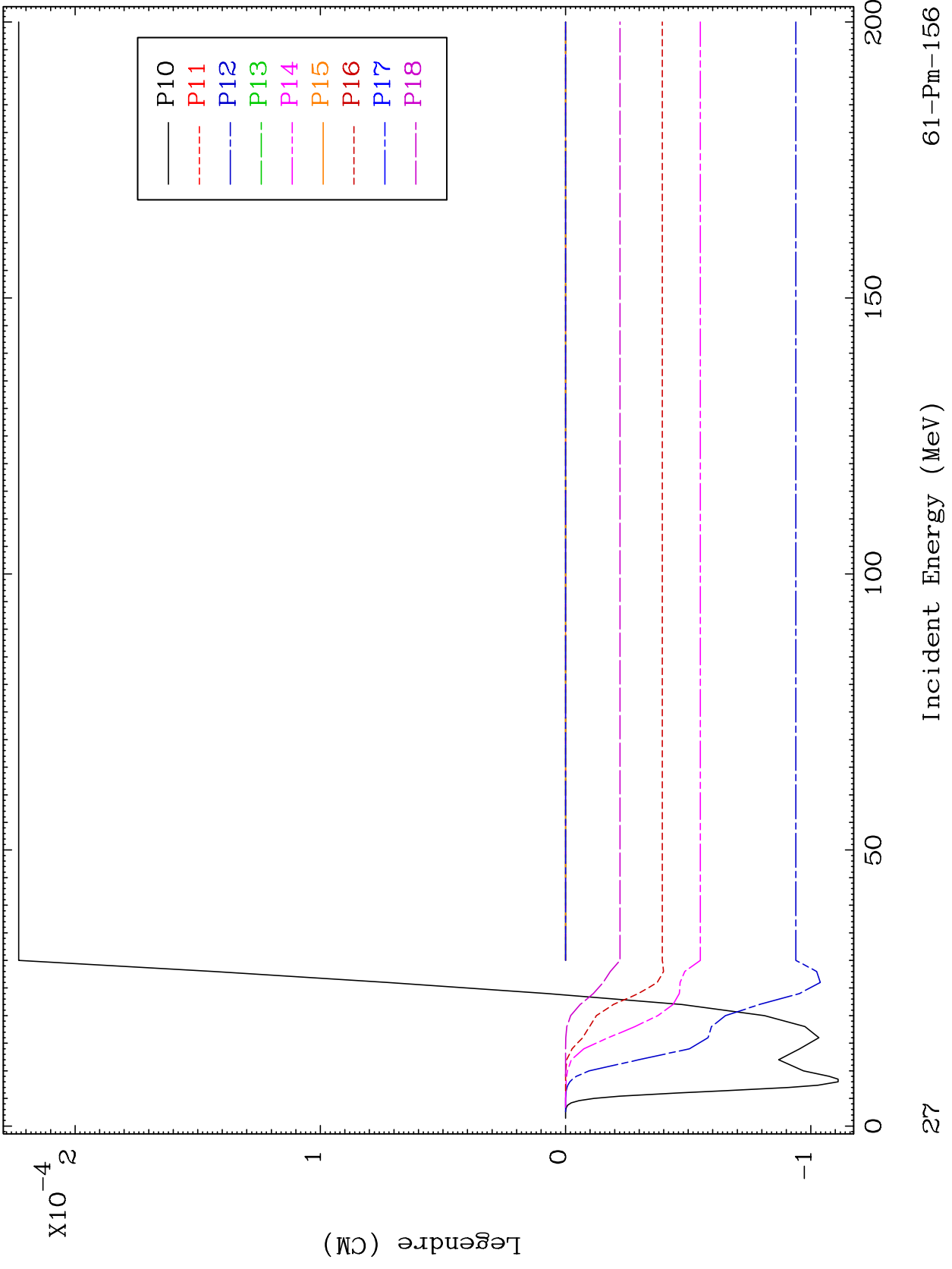
61-Pm-156



MAT 6176

MT= 53 (n,n') Level
Legendre Coefficients

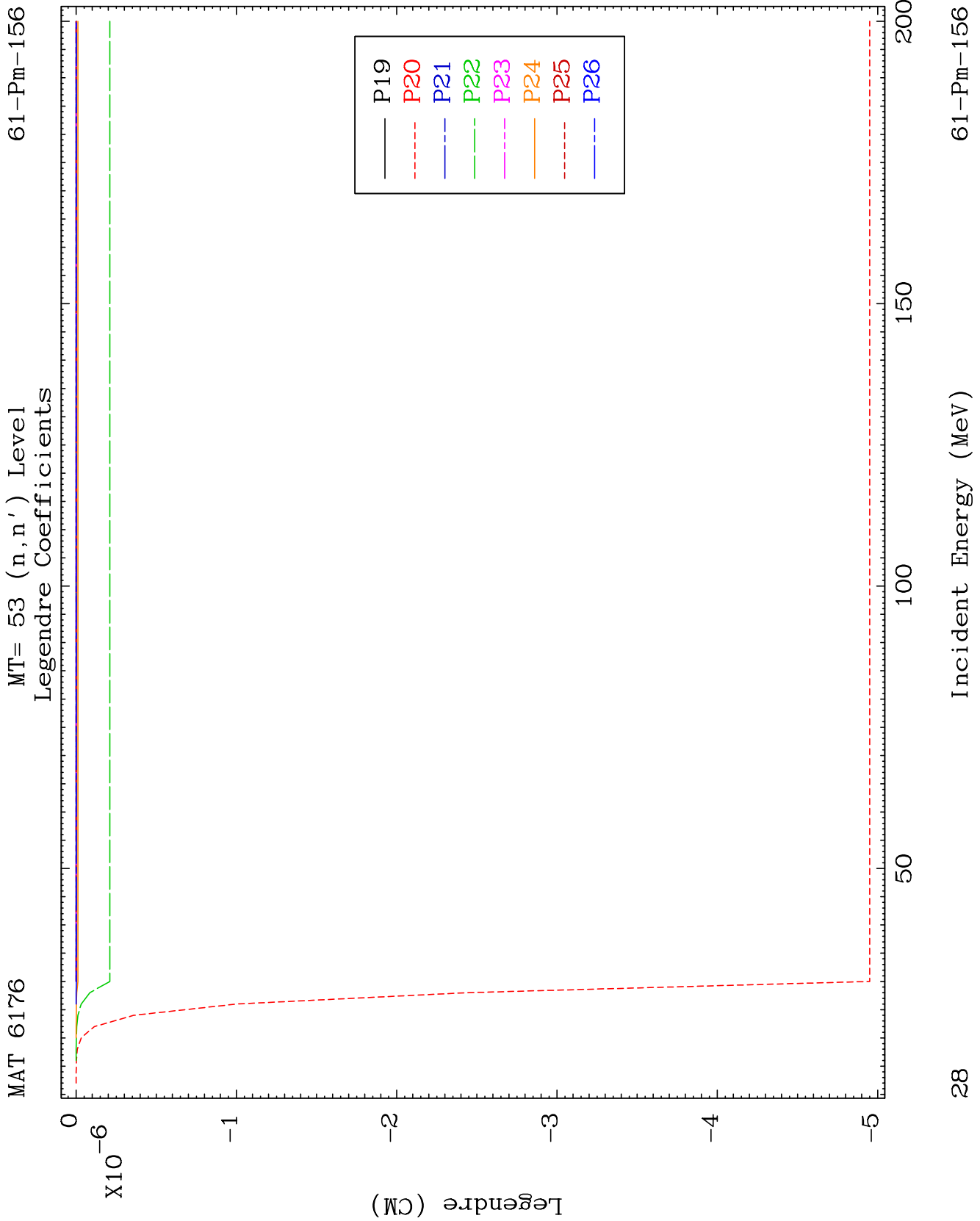
61-Pm-156



27

Incident Energy (MeV)

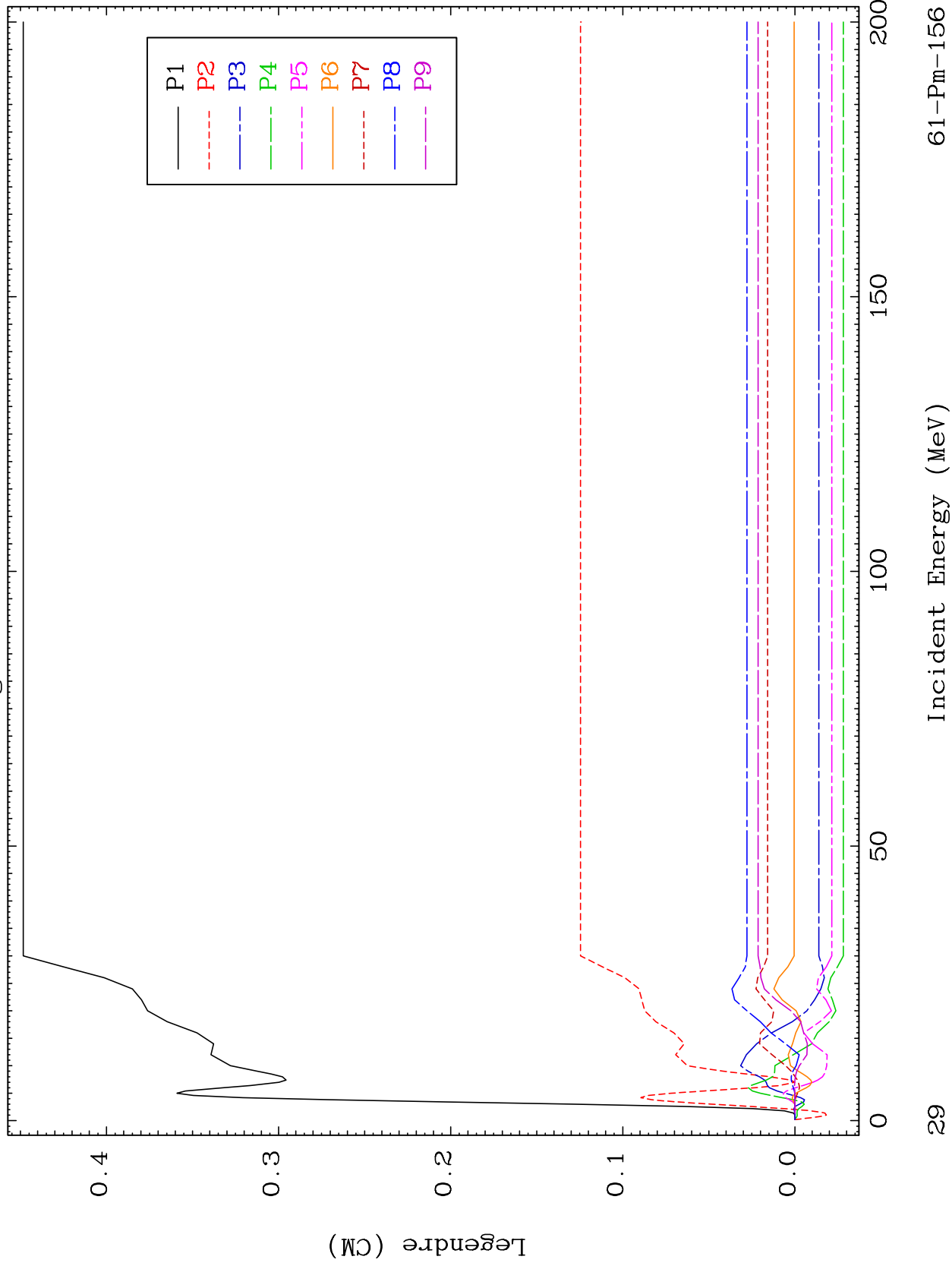
61-Pm-156



MAT 6176

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

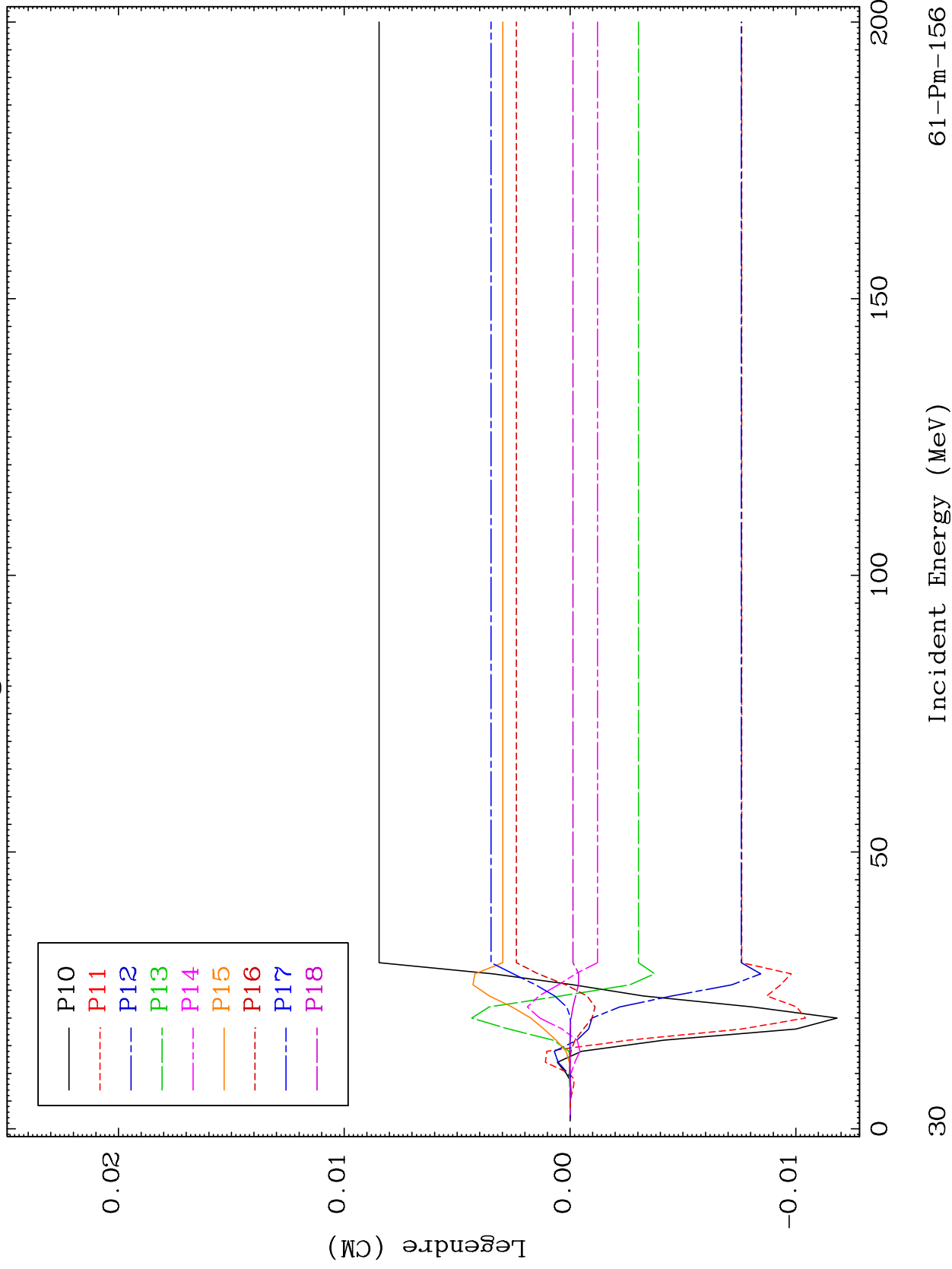
Incident Energy (MeV)

29

MAT 6176

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

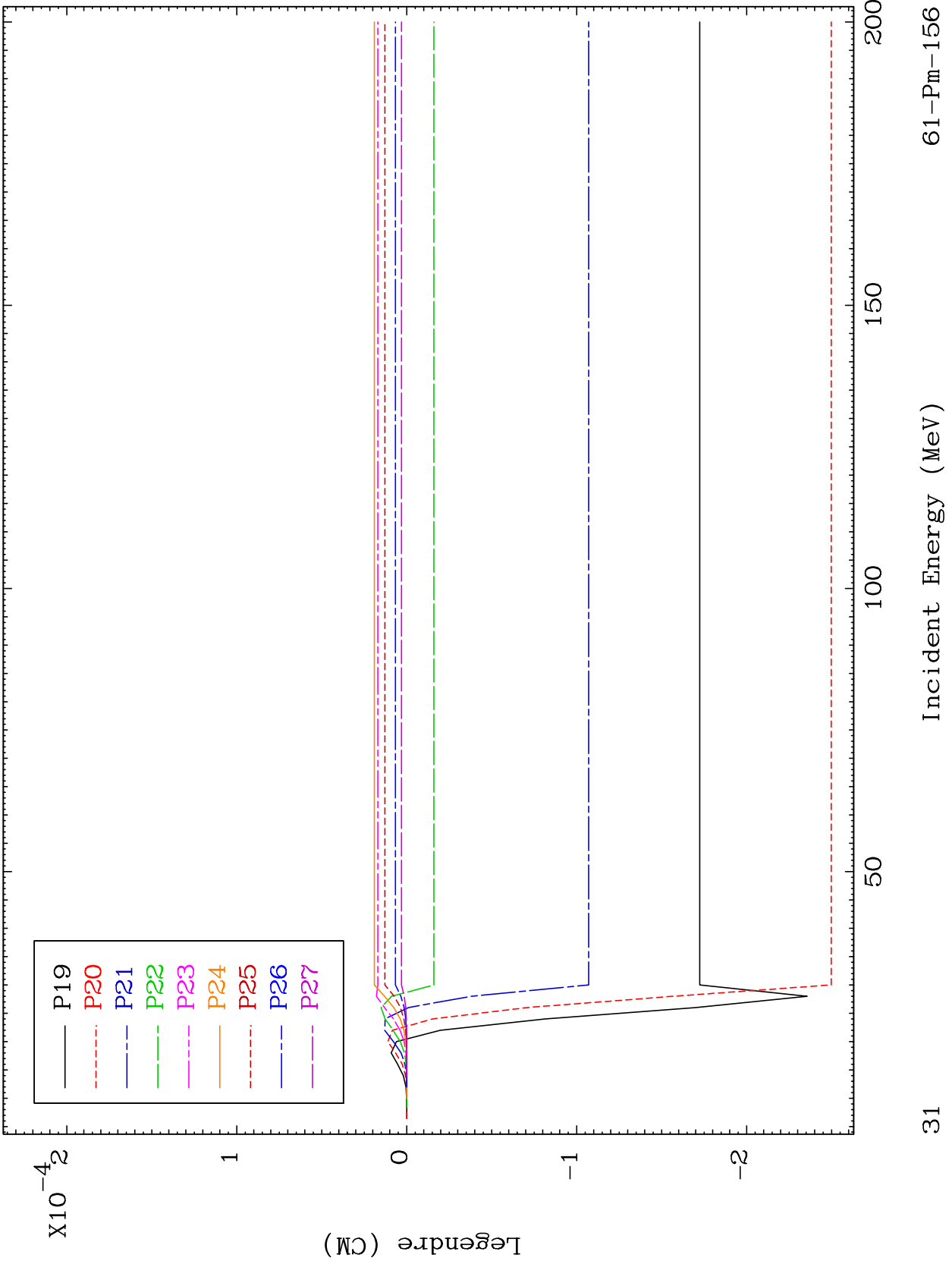
Incident Energy (MeV)

30

MAT 6176

MT= 54 (n,n') Level
Legendre Coefficients

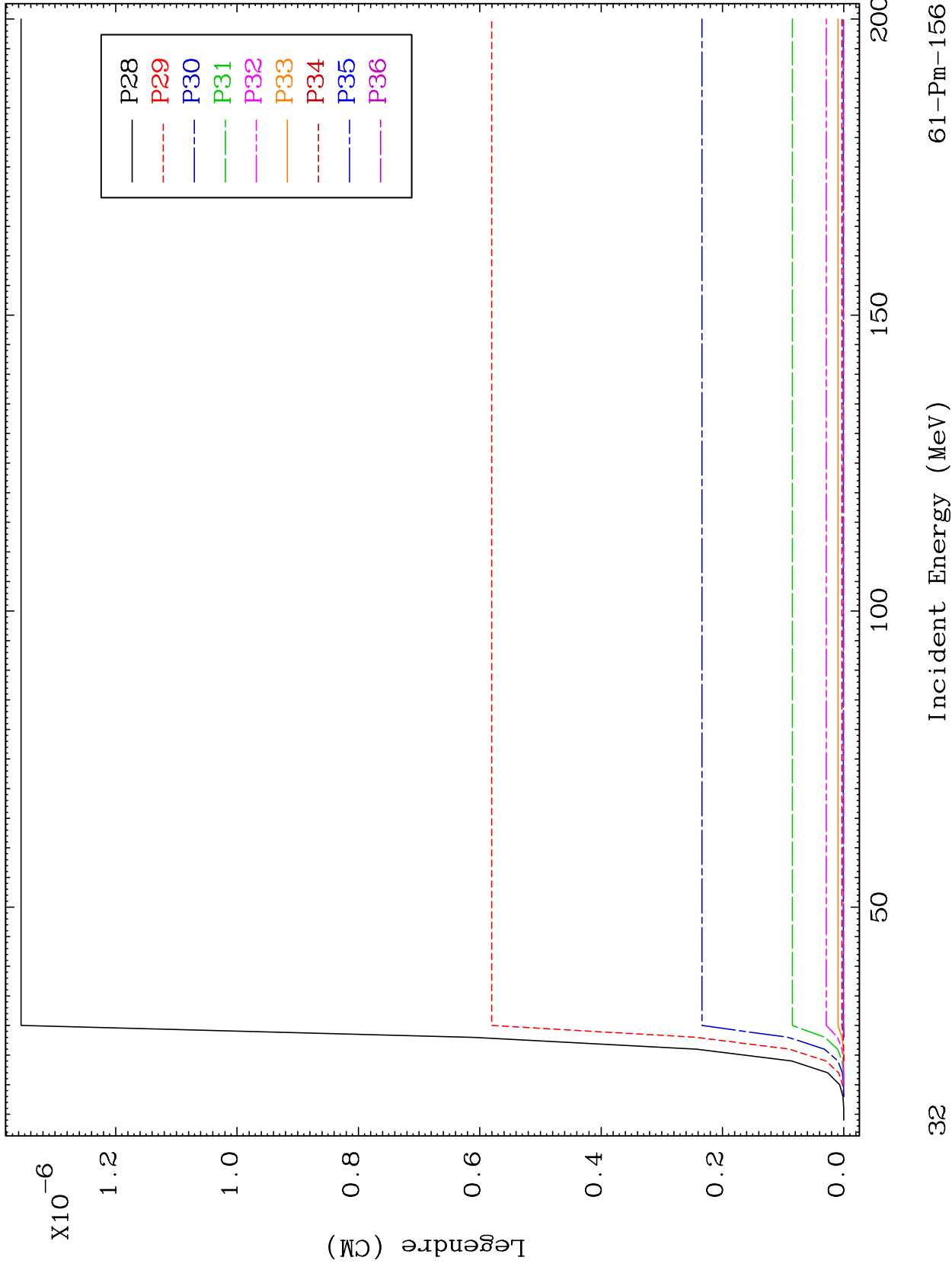
61-Pm-156



MAT 6176

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-156



32

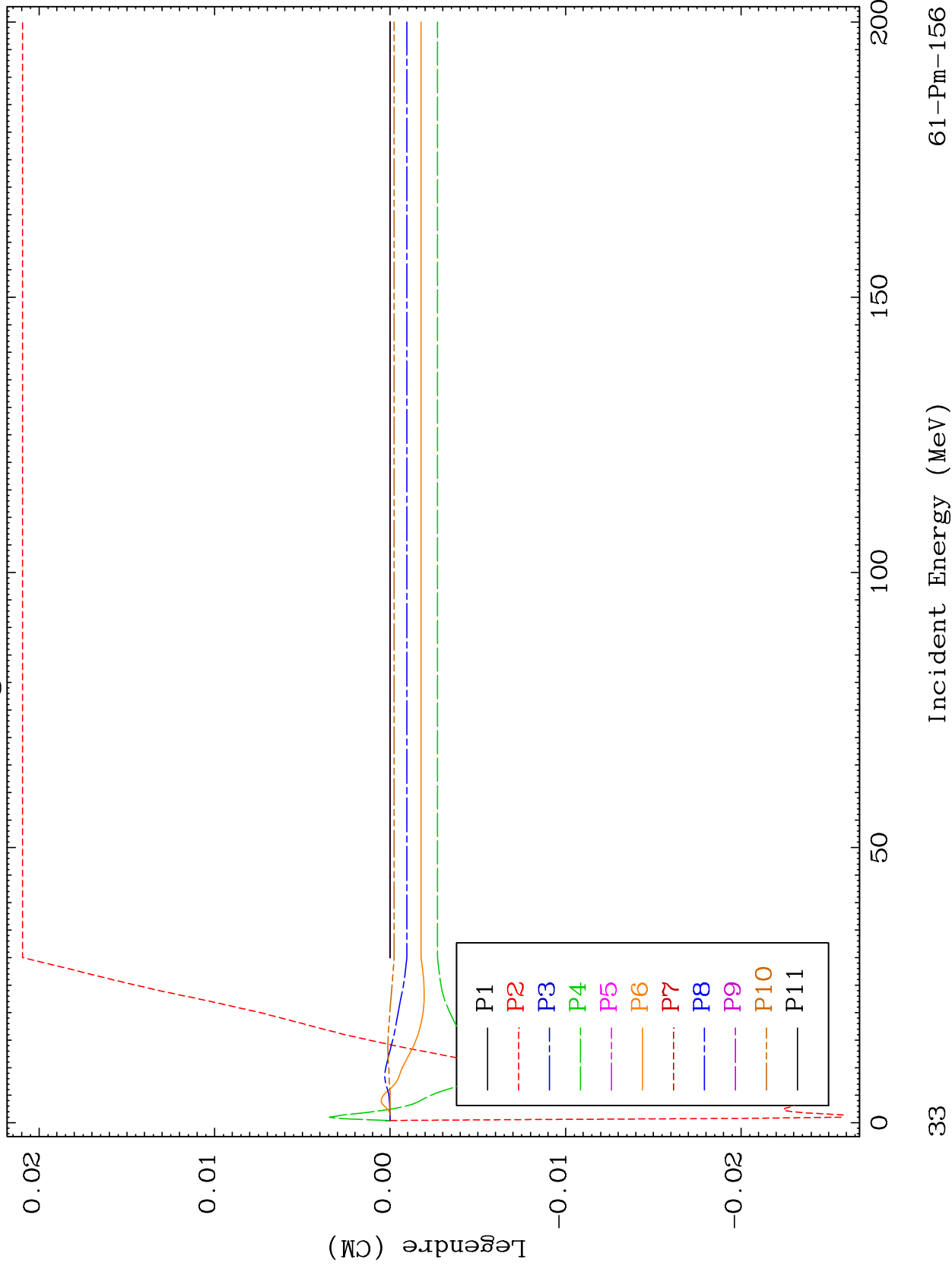
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-156



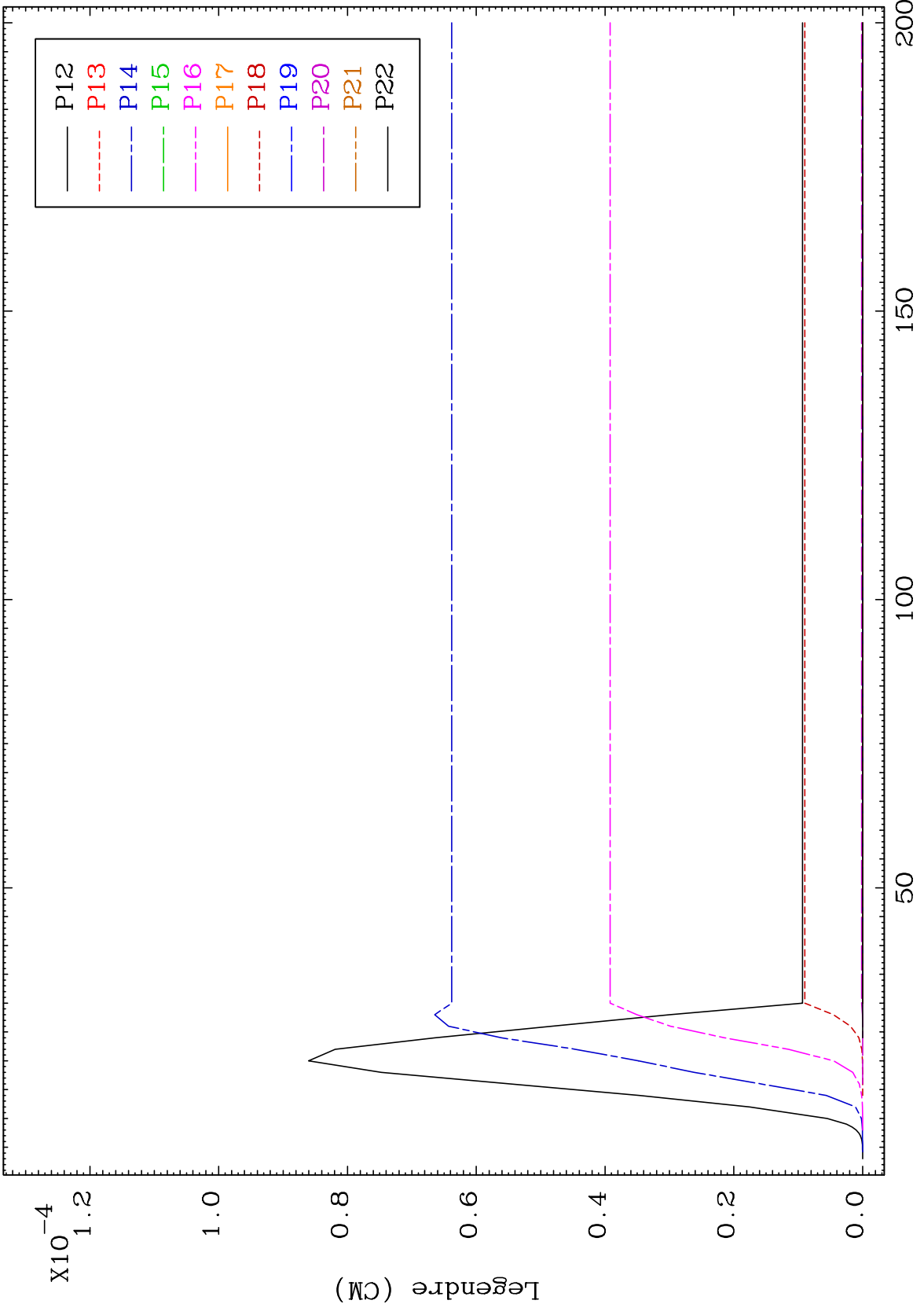
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61-Pm-156

MAT 6176

MT= 55 (n,n') Level
Legendre Coefficients

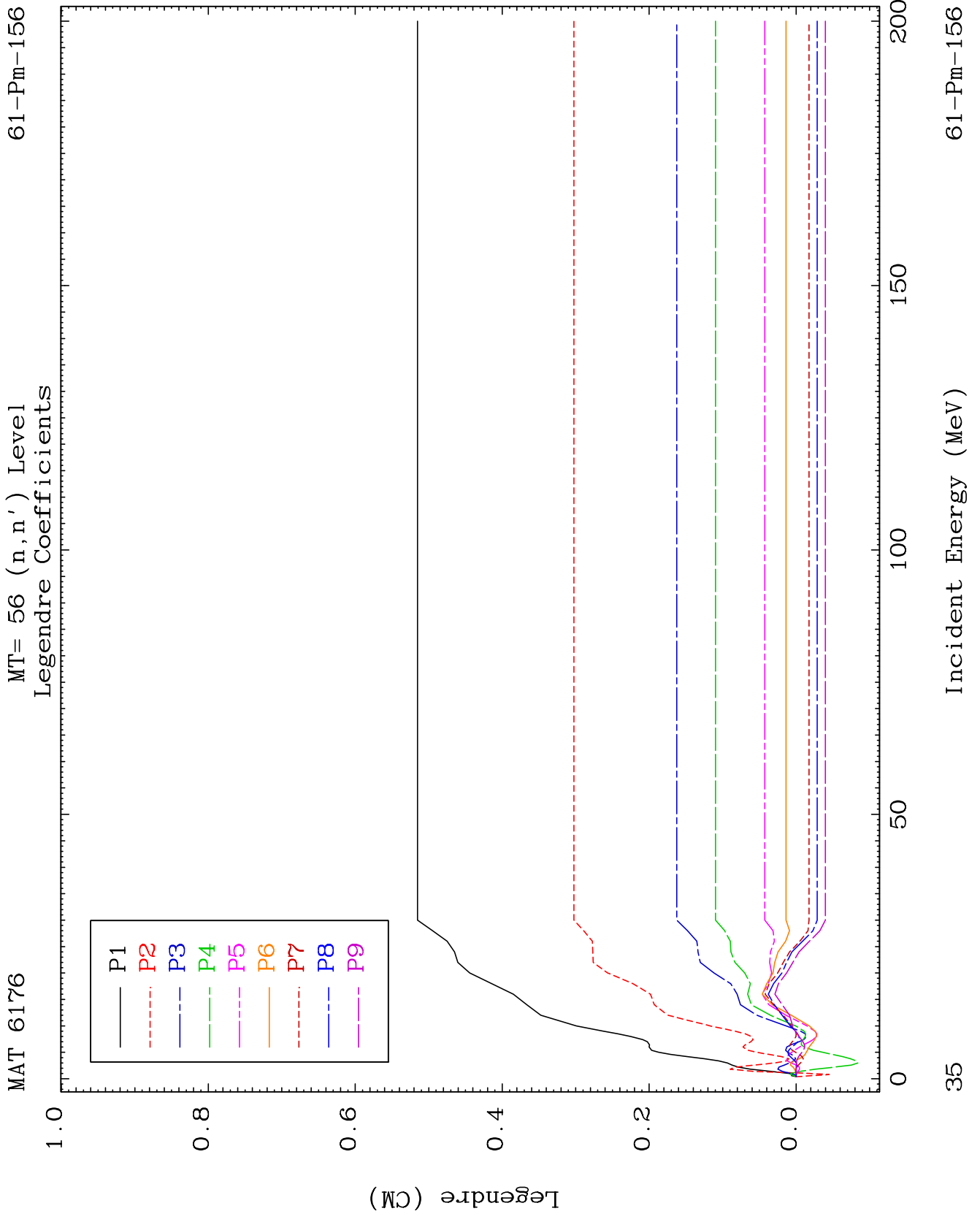
61-Pm-156



34

Incident Energy (MeV)

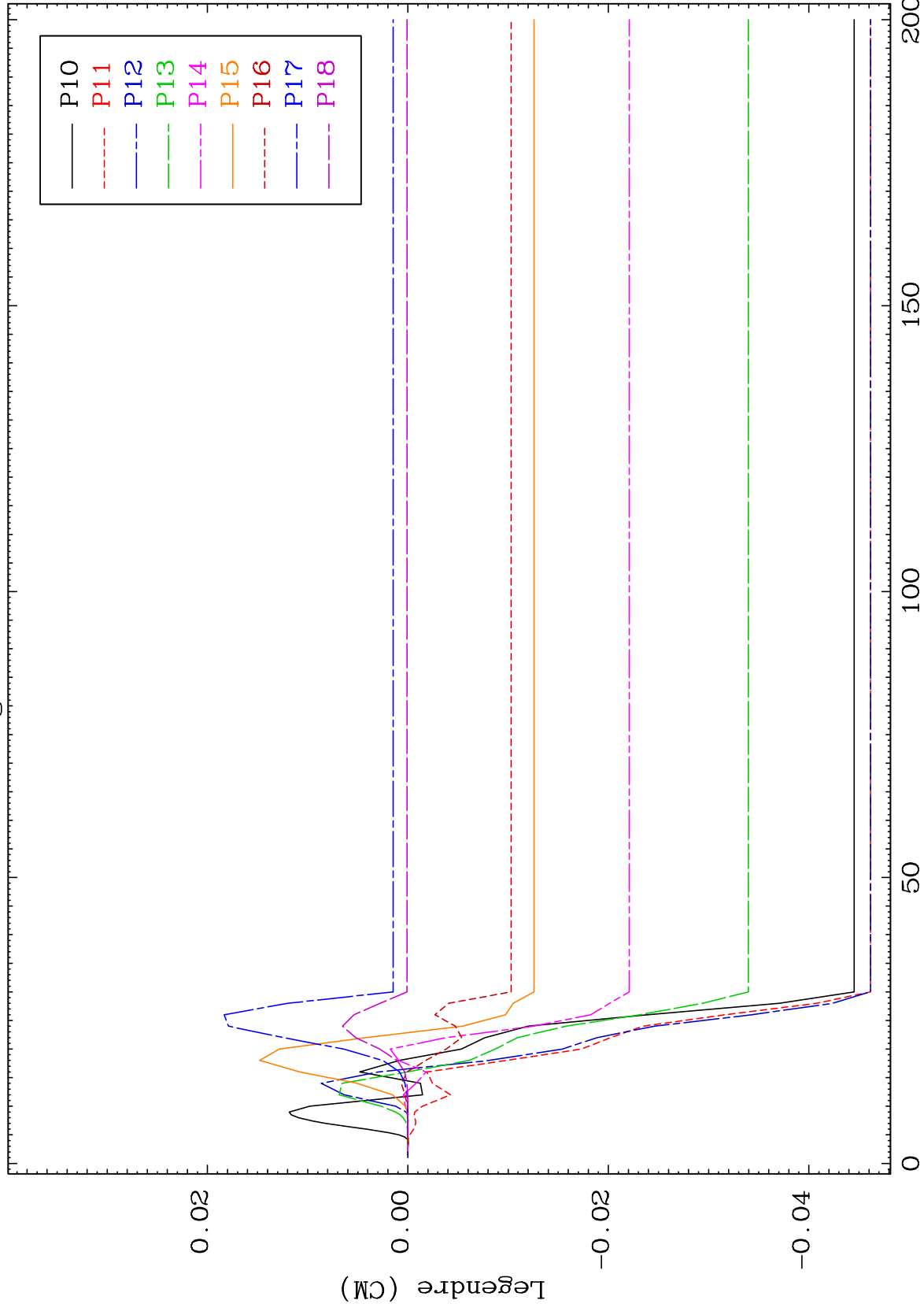
61-Pm-156



MAT 6176

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-156



36

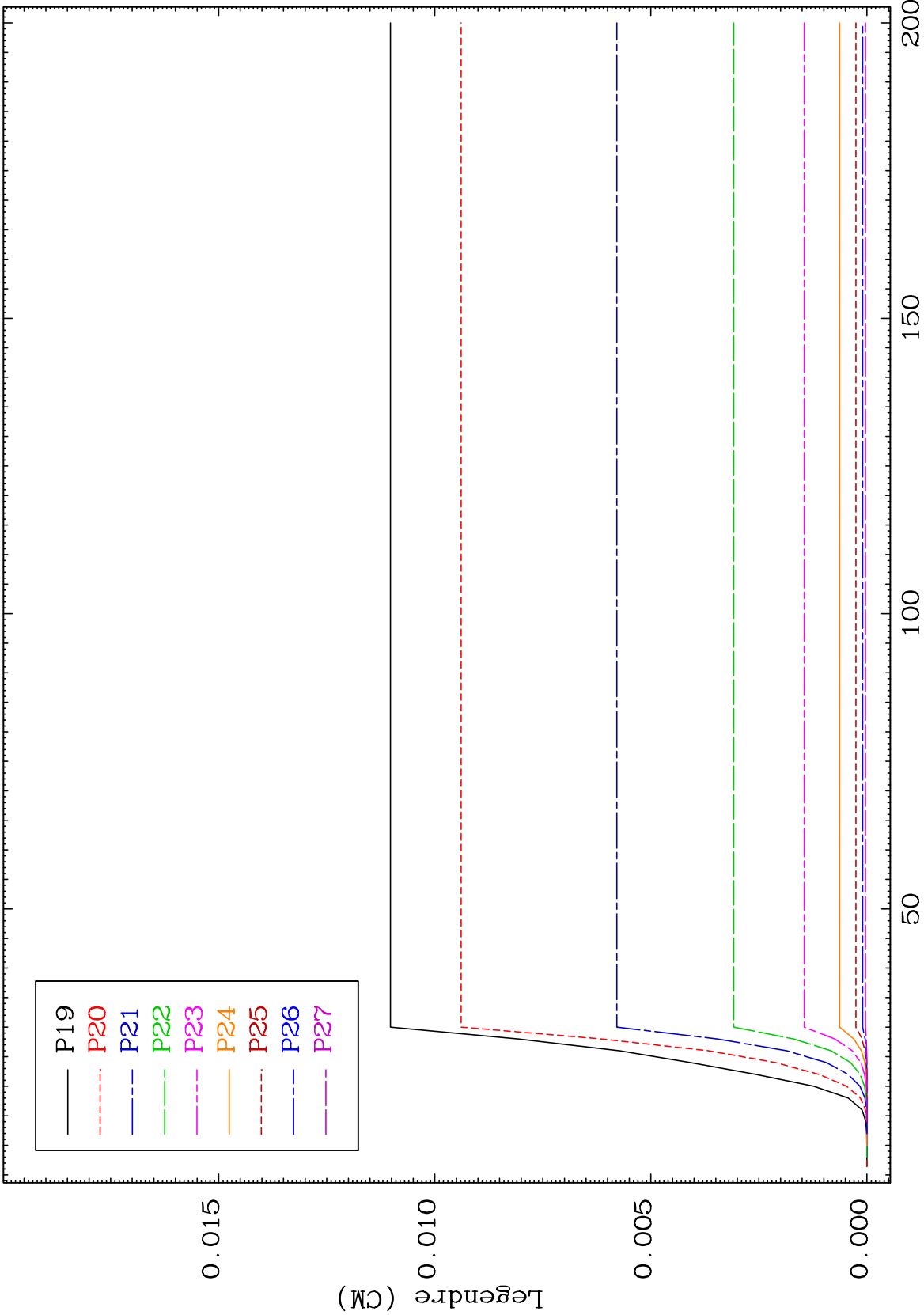
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-156



37

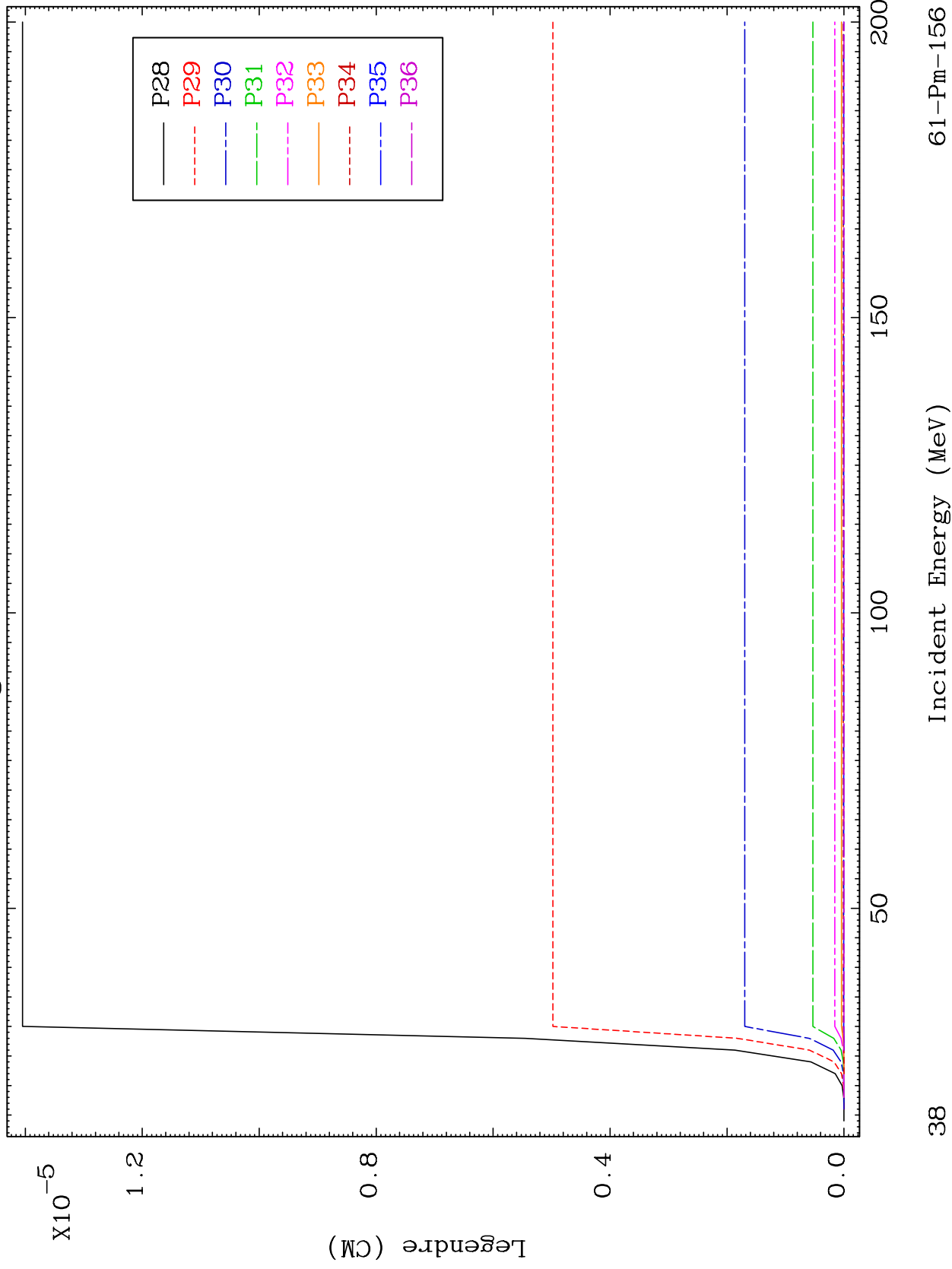
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-156

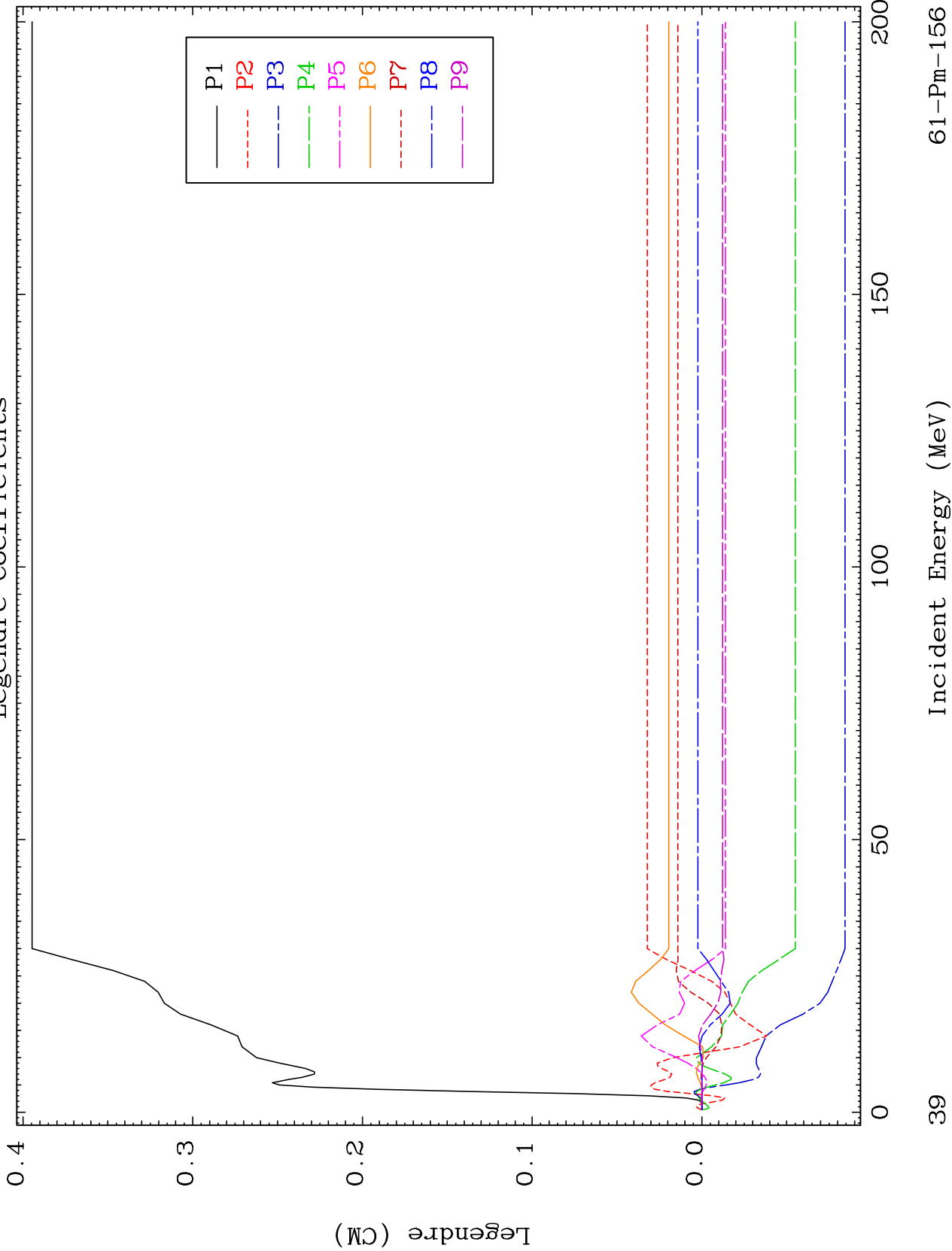


61-Pm-156

MAT 6176

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-156



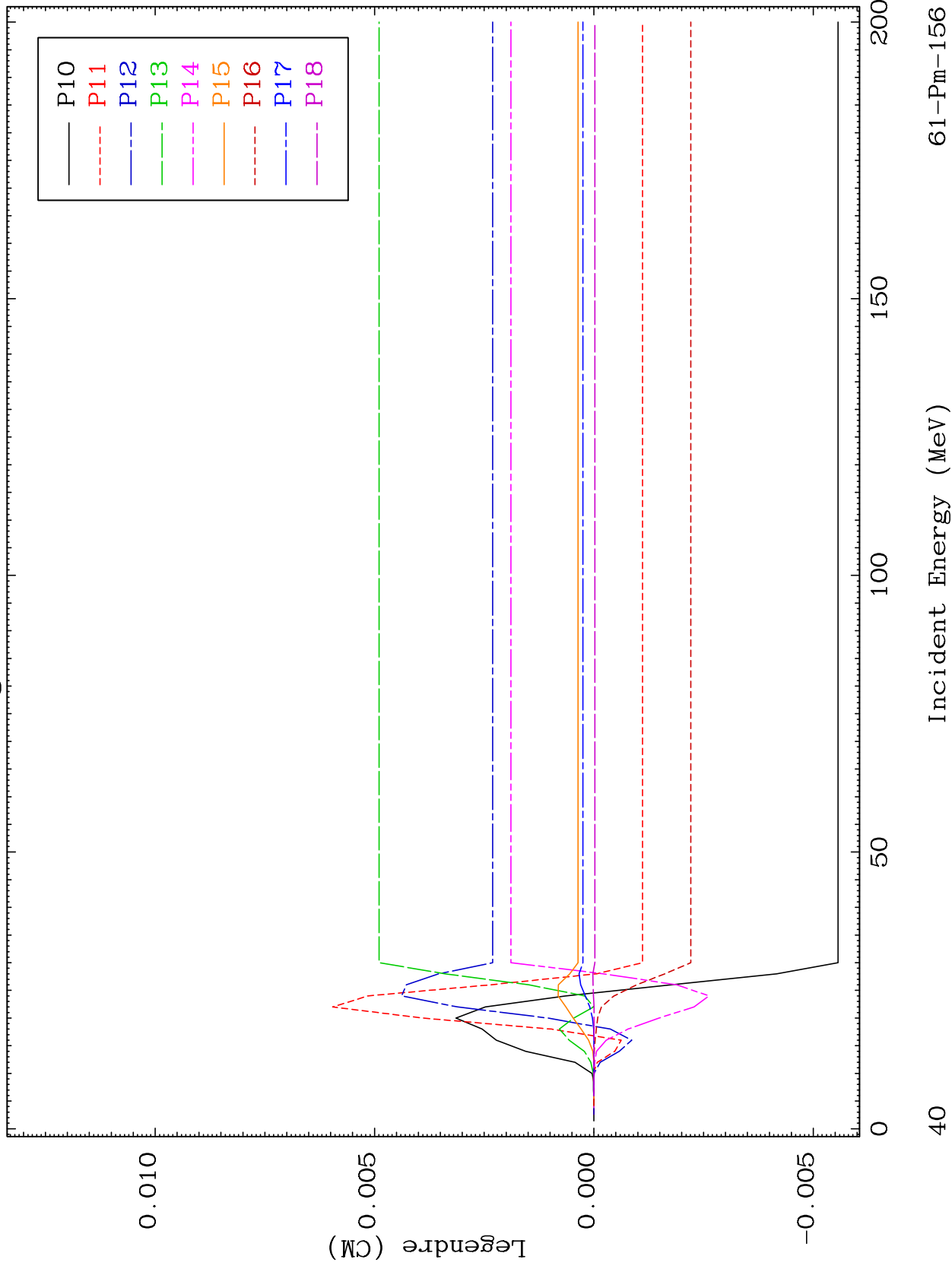
39

61-Pm-156

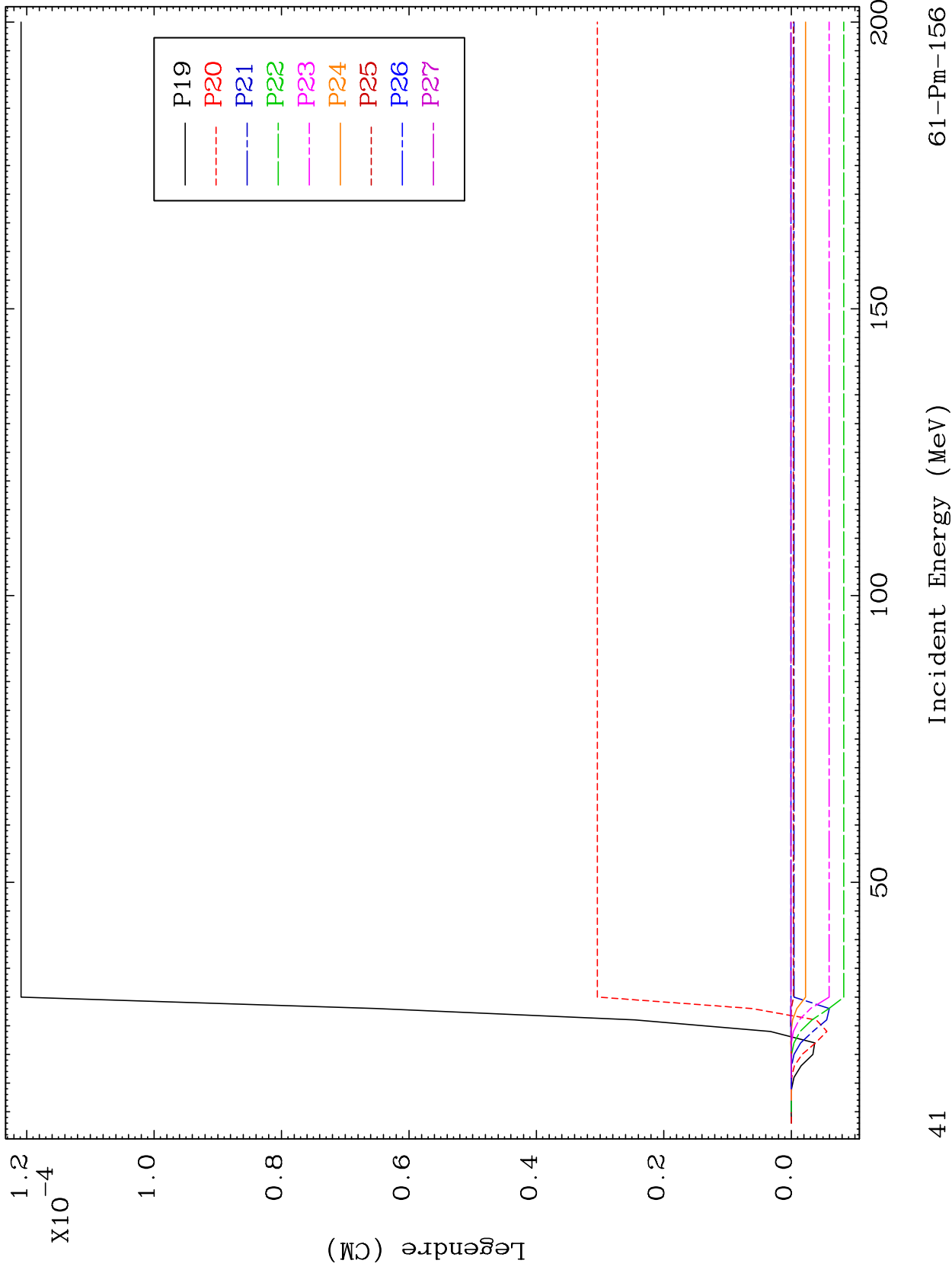
MAT 6176

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-156



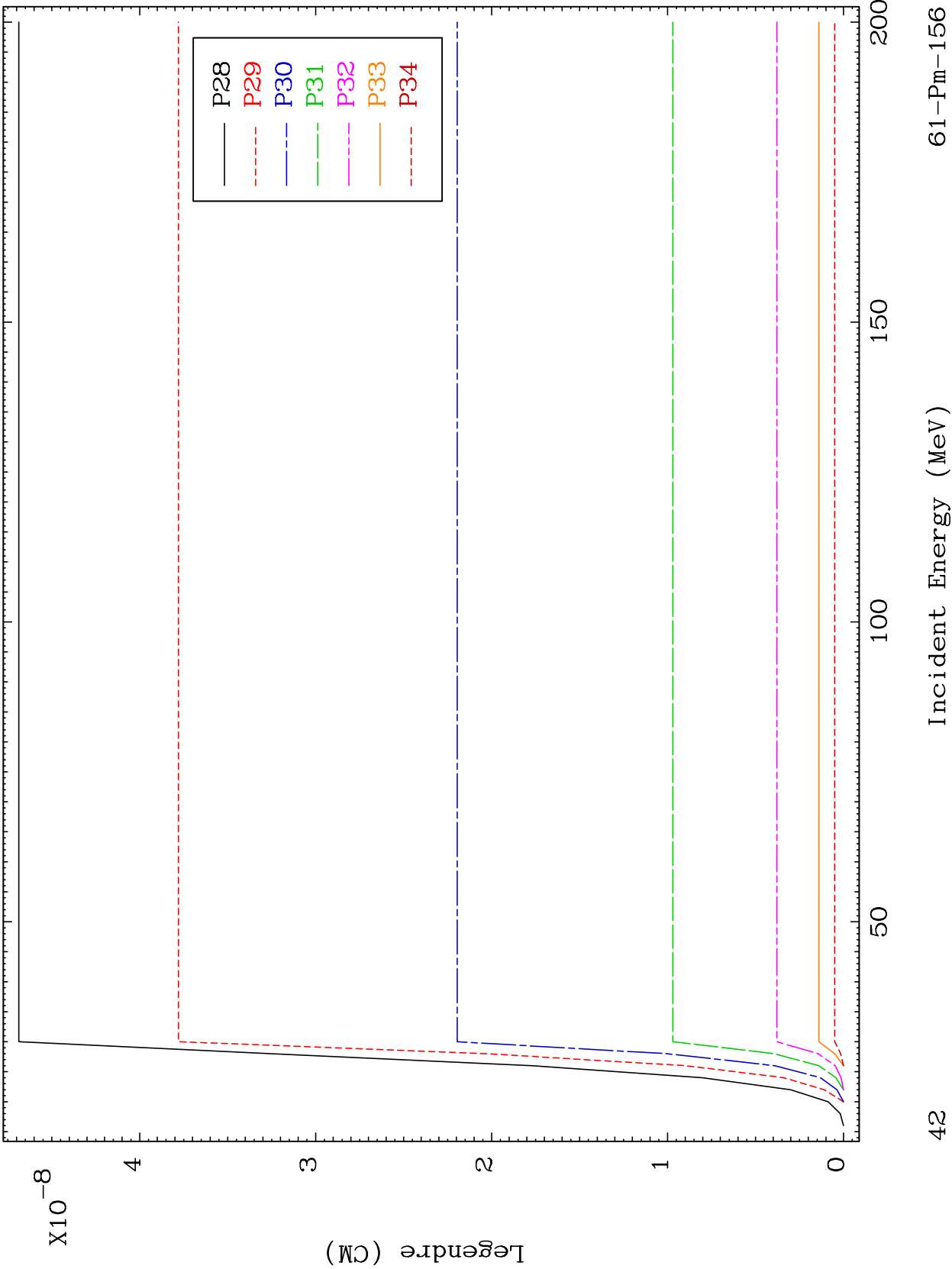
61-Pm-156



MAT 6176

MT= 57 (n,n') Level
Legendre Coefficients

61-Pm-156



42

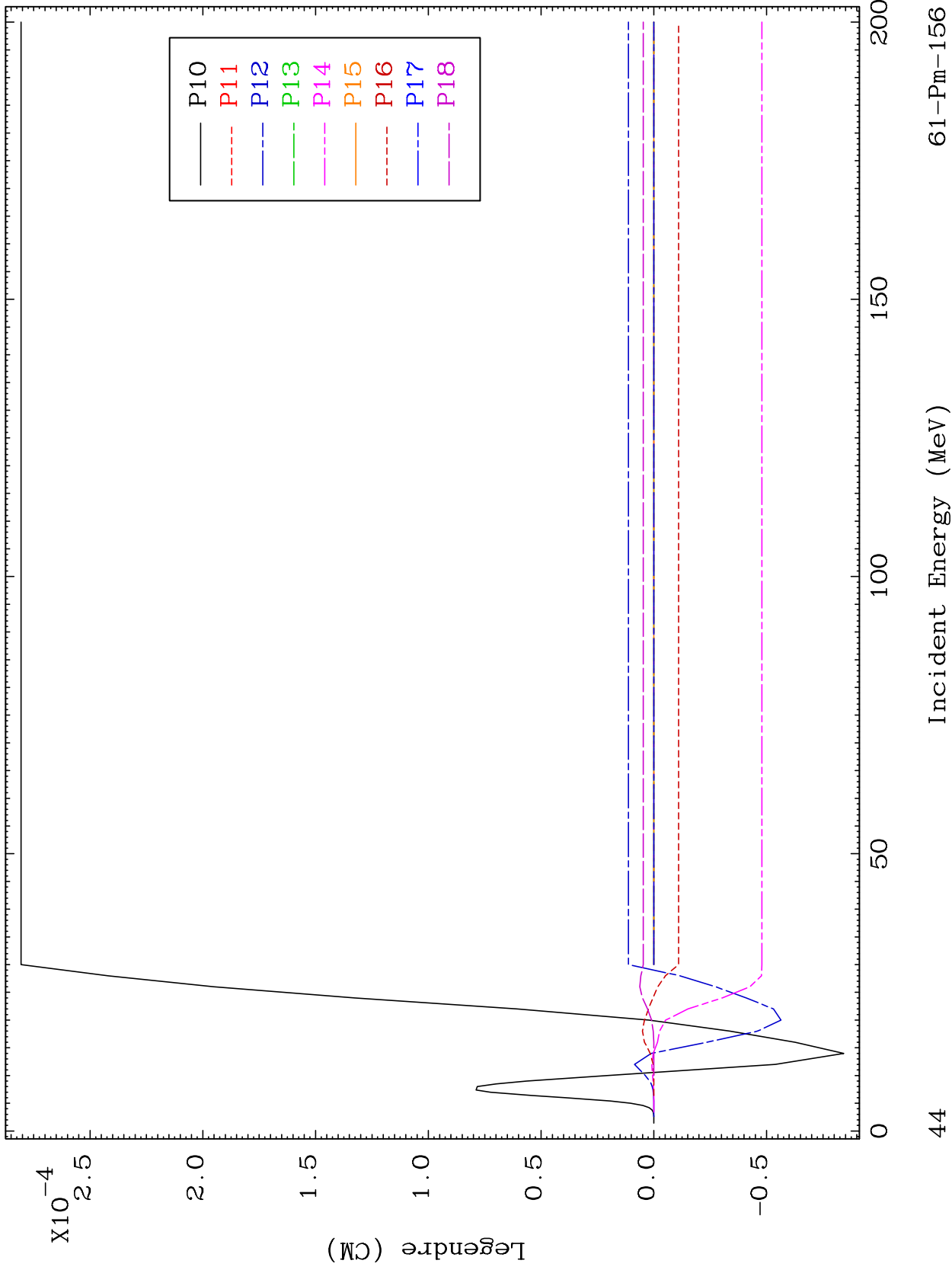
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 58 (n,n') Level
Legendre Coefficients

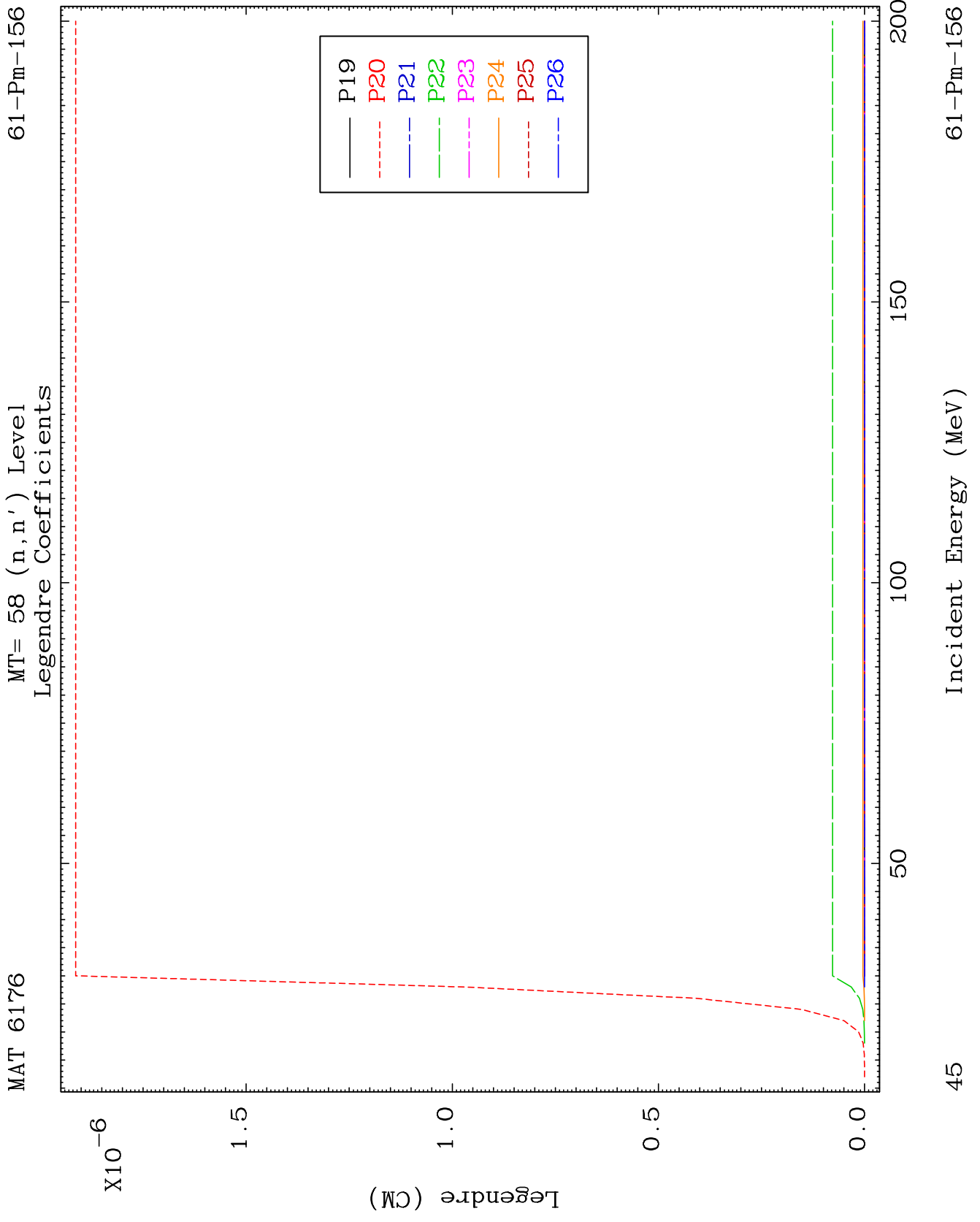
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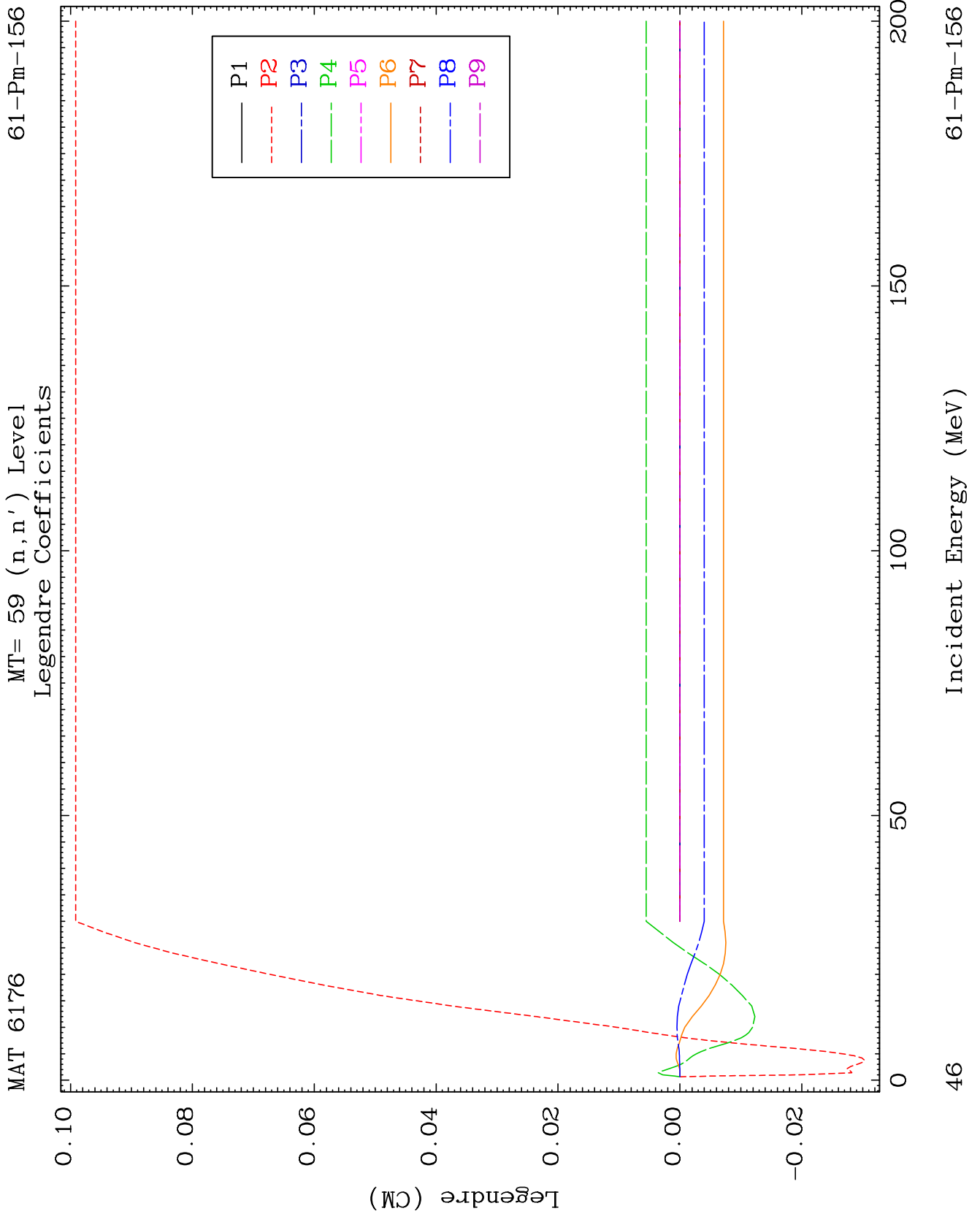


44

Incident Energy (MeV)

61-Pm-156

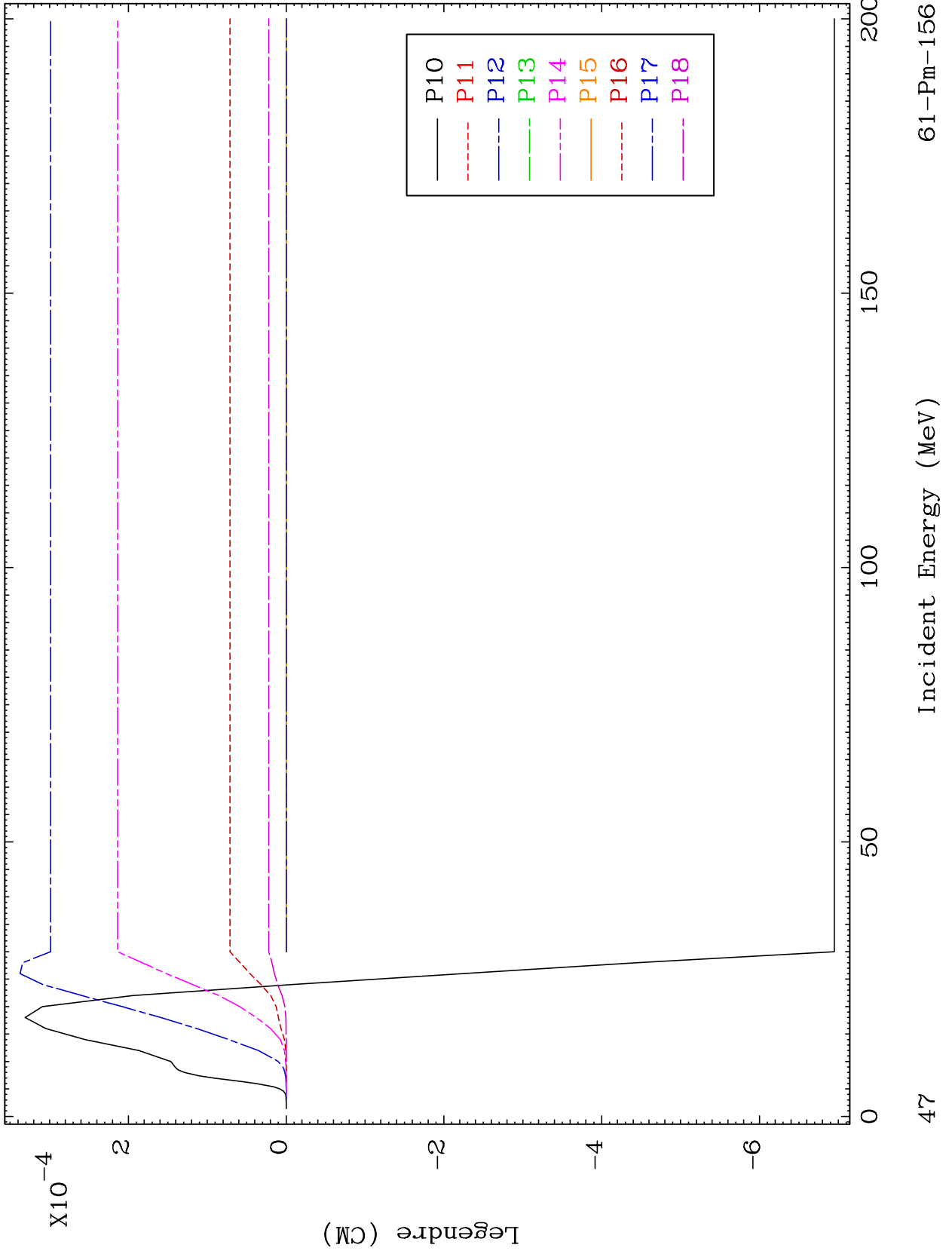




MAT 6176

MT= 59 (n,n') Level
Legendre Coefficients

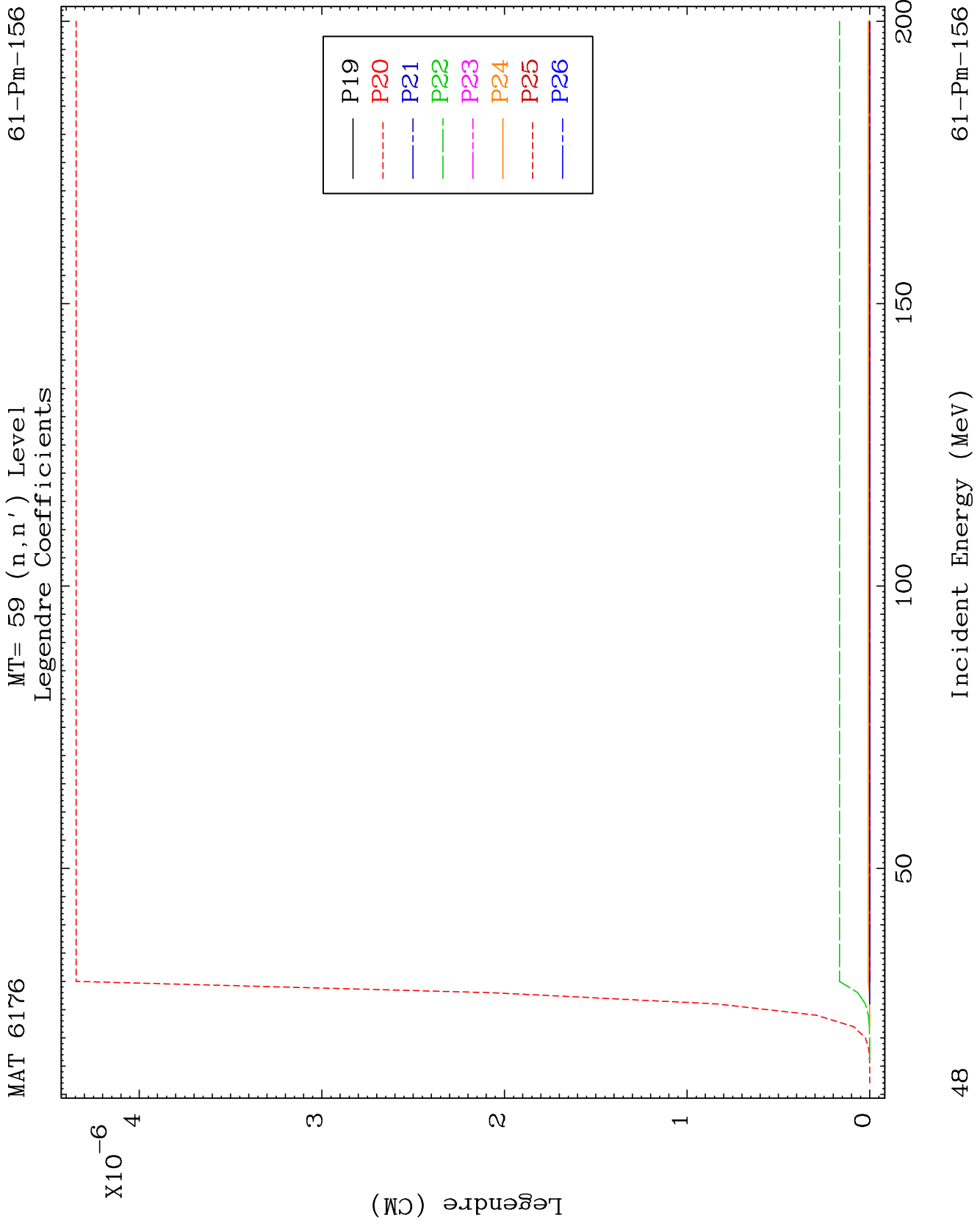
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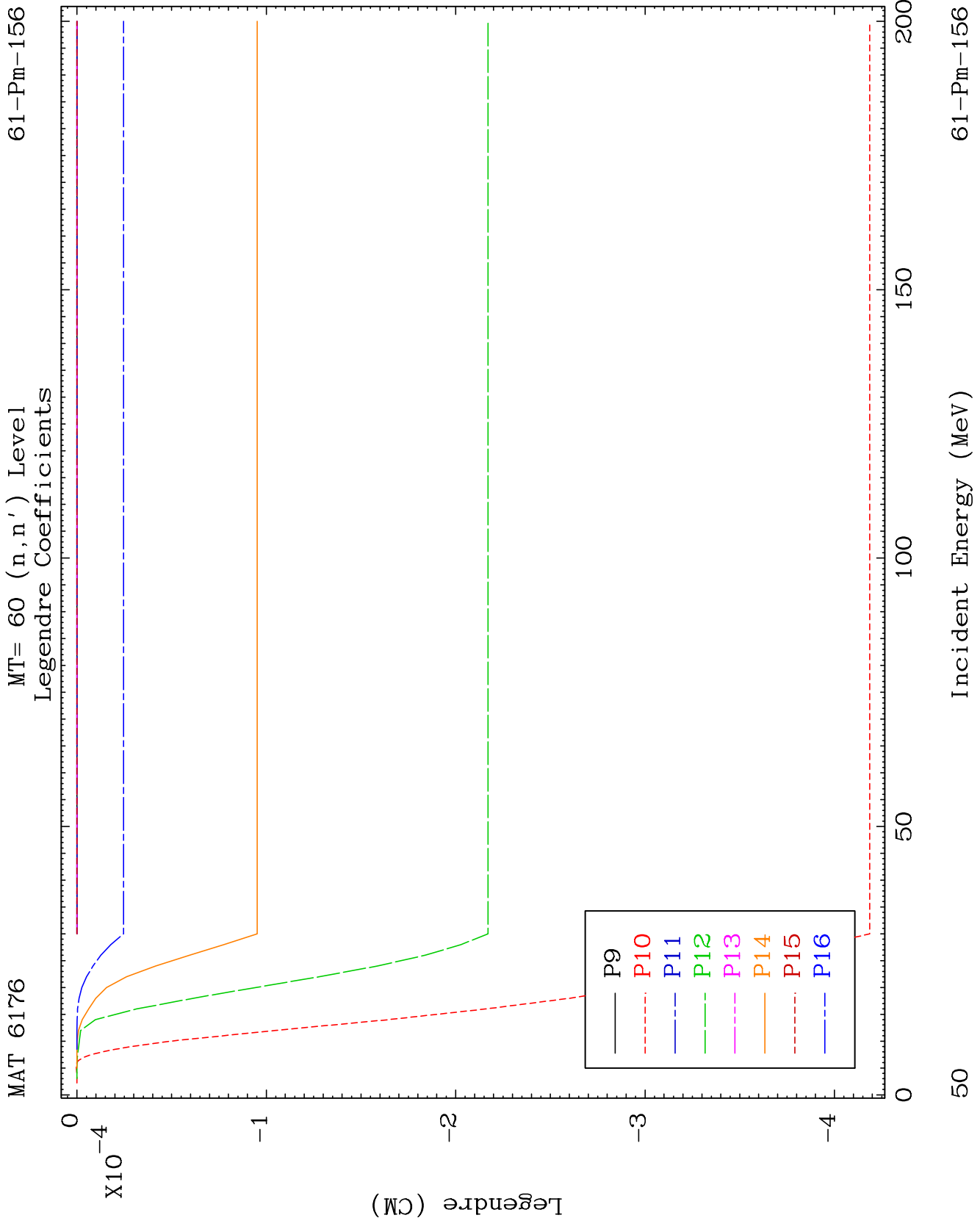


47

Incident Energy (MeV)

61-Pm-156

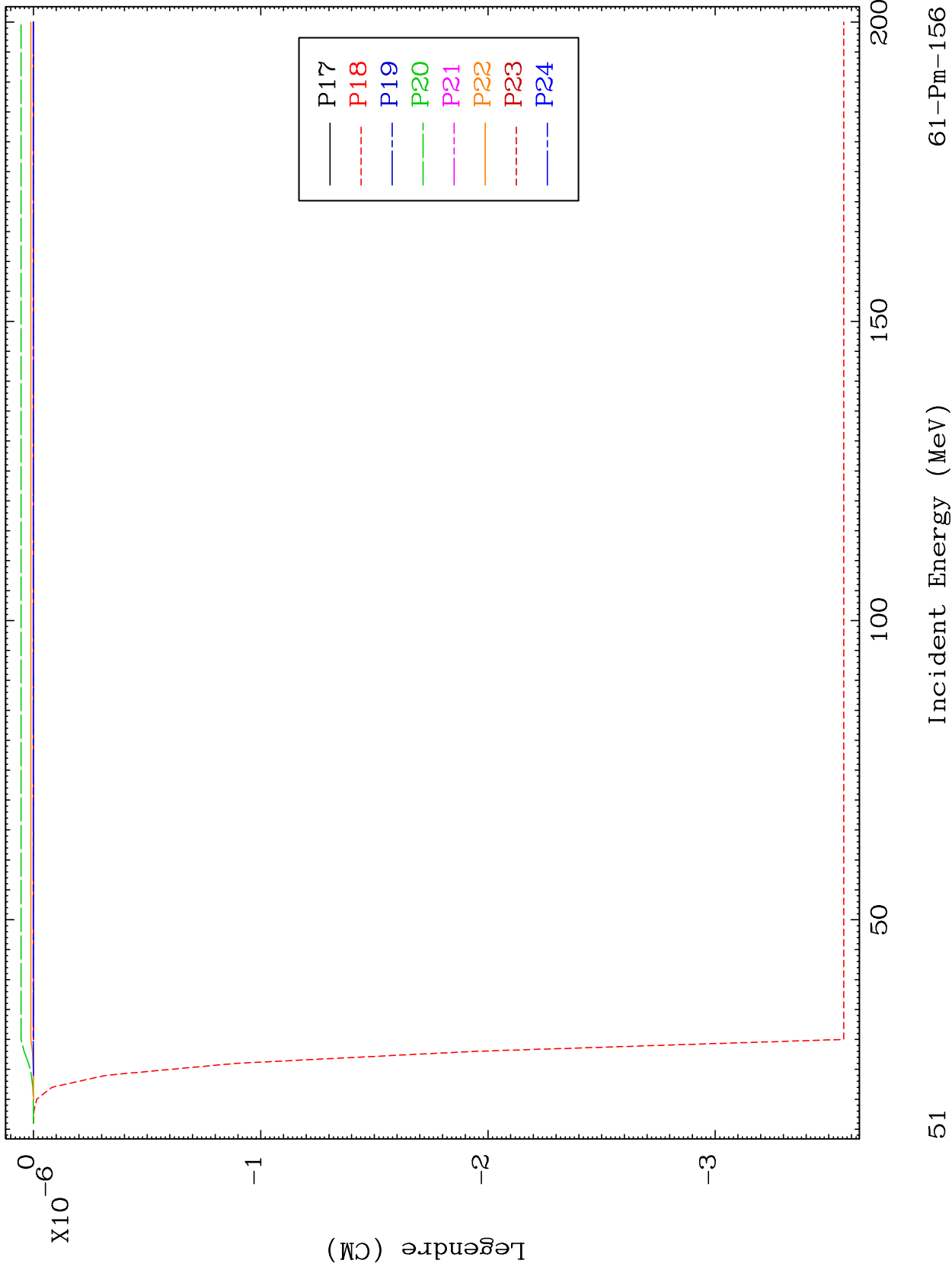




MAT 6176

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-156



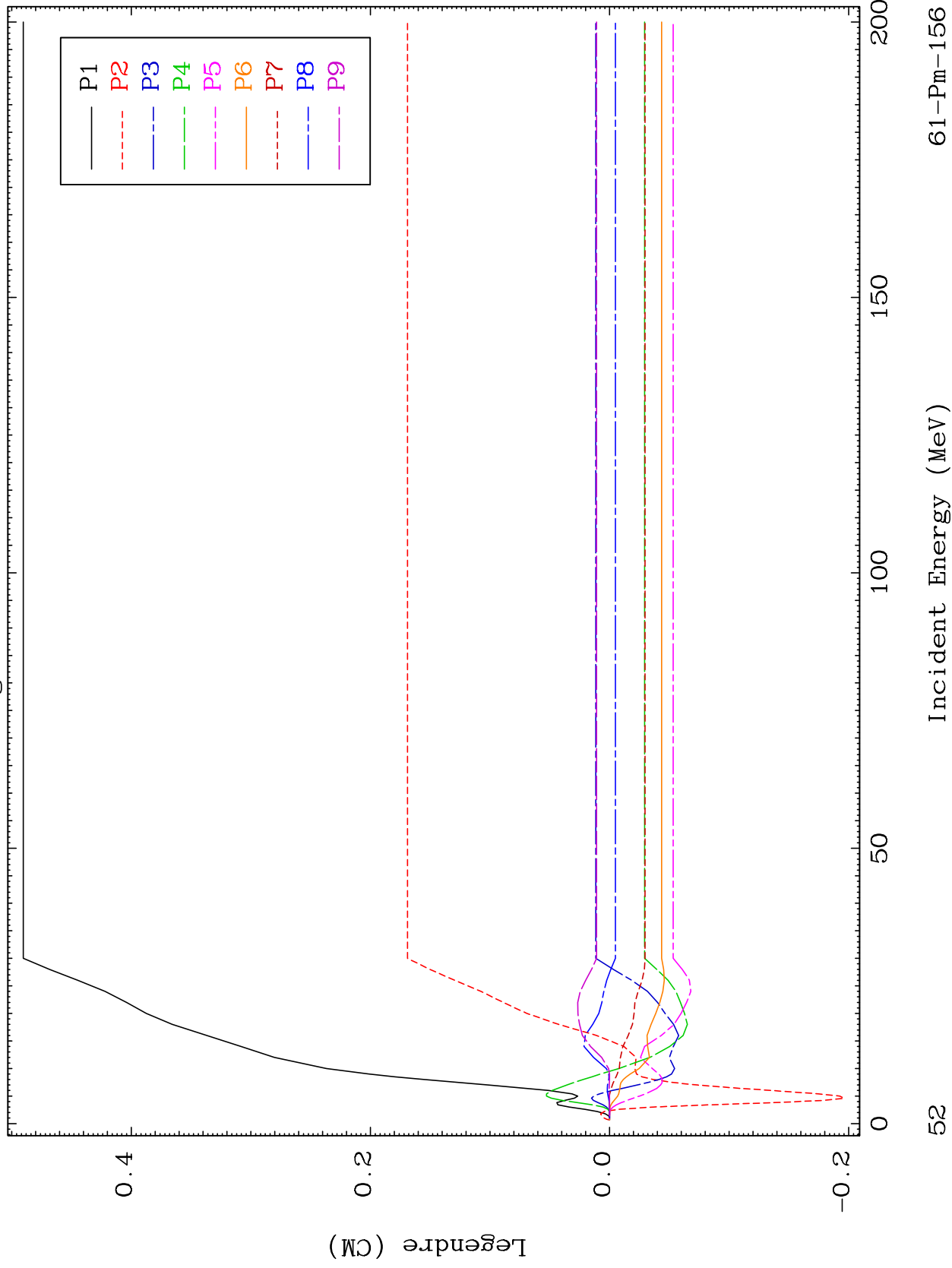
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61-Pm-156

MAT 6176

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-156



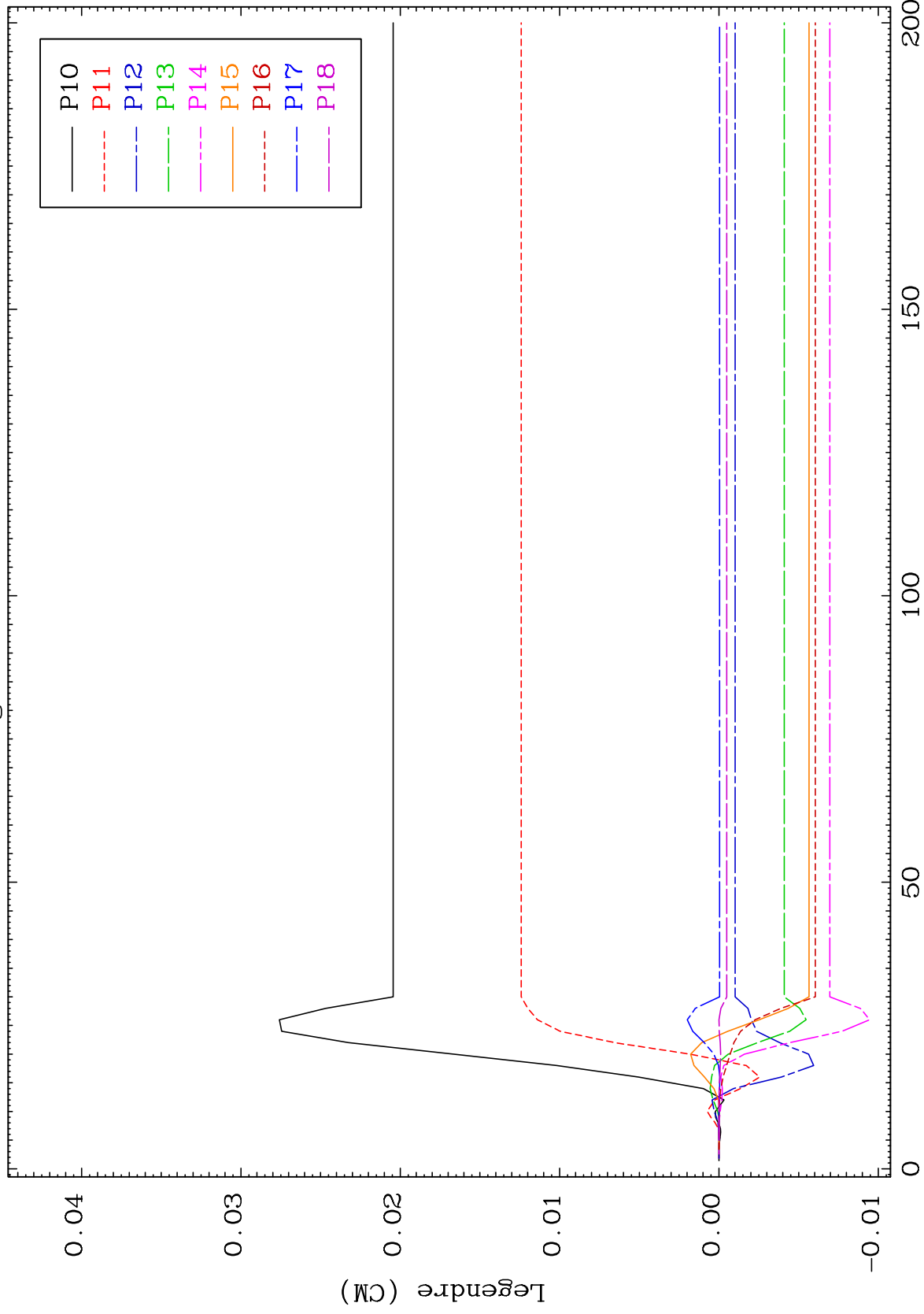
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61-Pm-156

MAT 6176

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-156



53

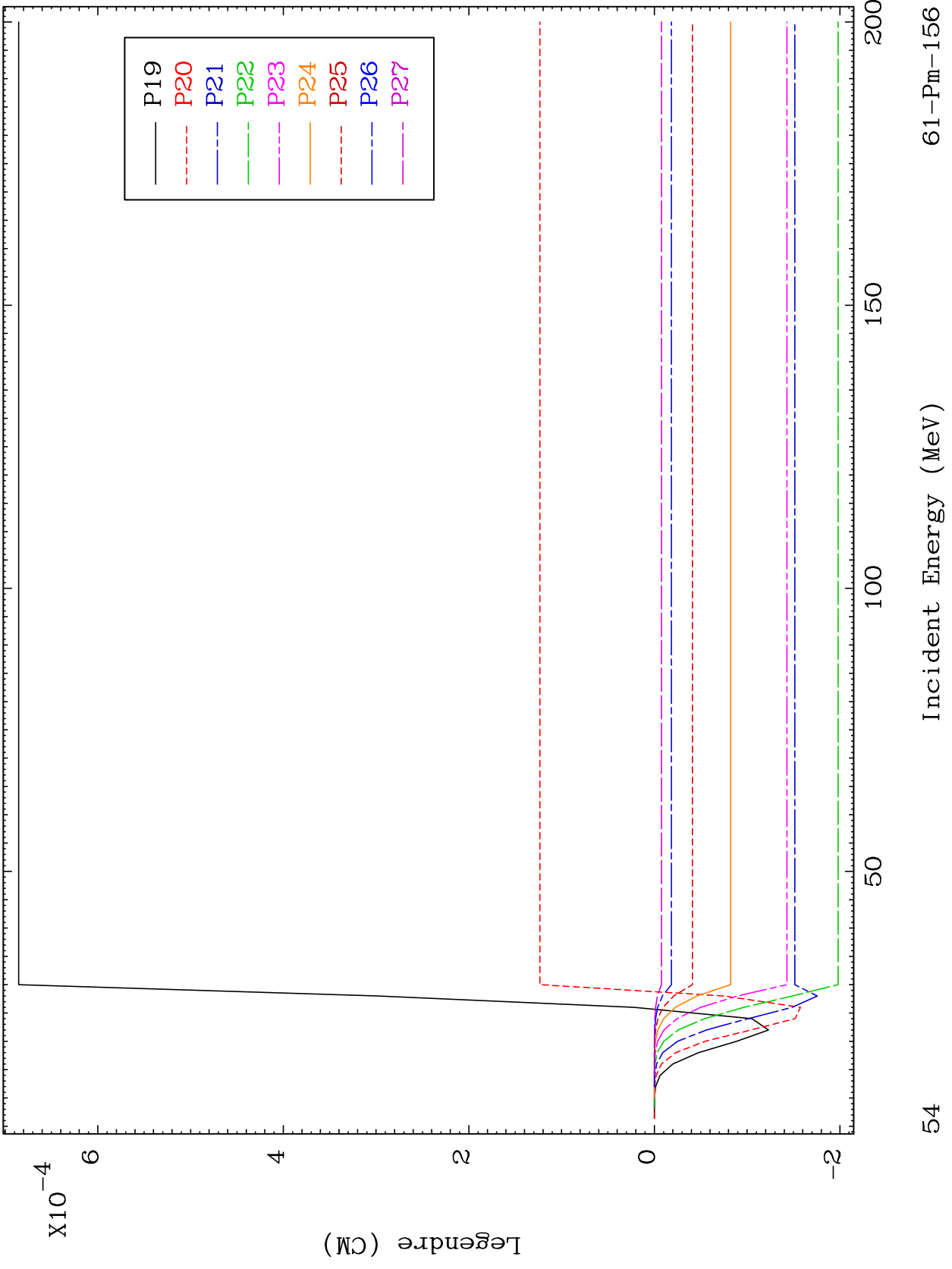
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 61 (n,n') Level
Legendre Coefficients

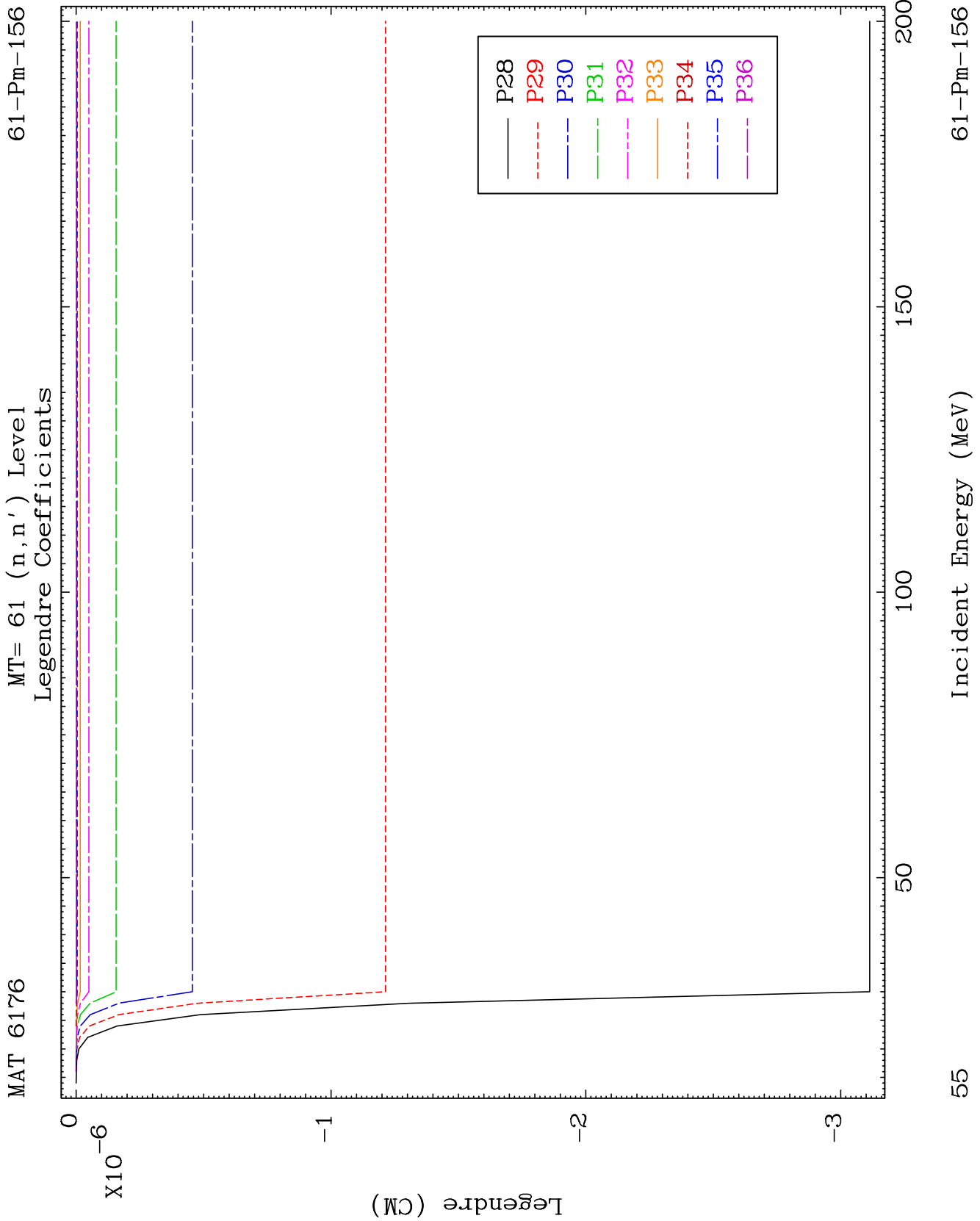
61-Pm-156



54

Incident Energy (MeV)

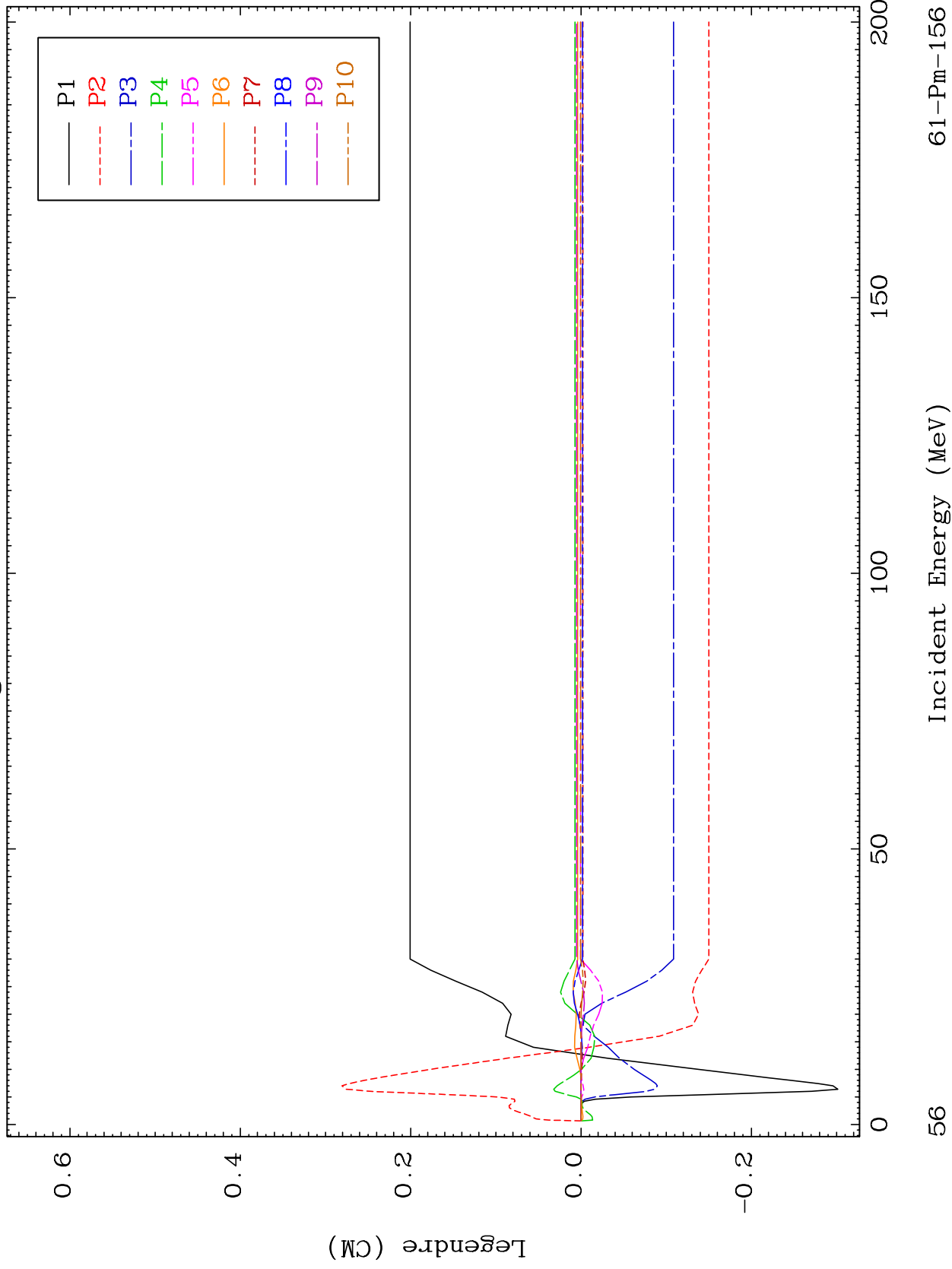
61-Pm-156



MAT 6176

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-156



56

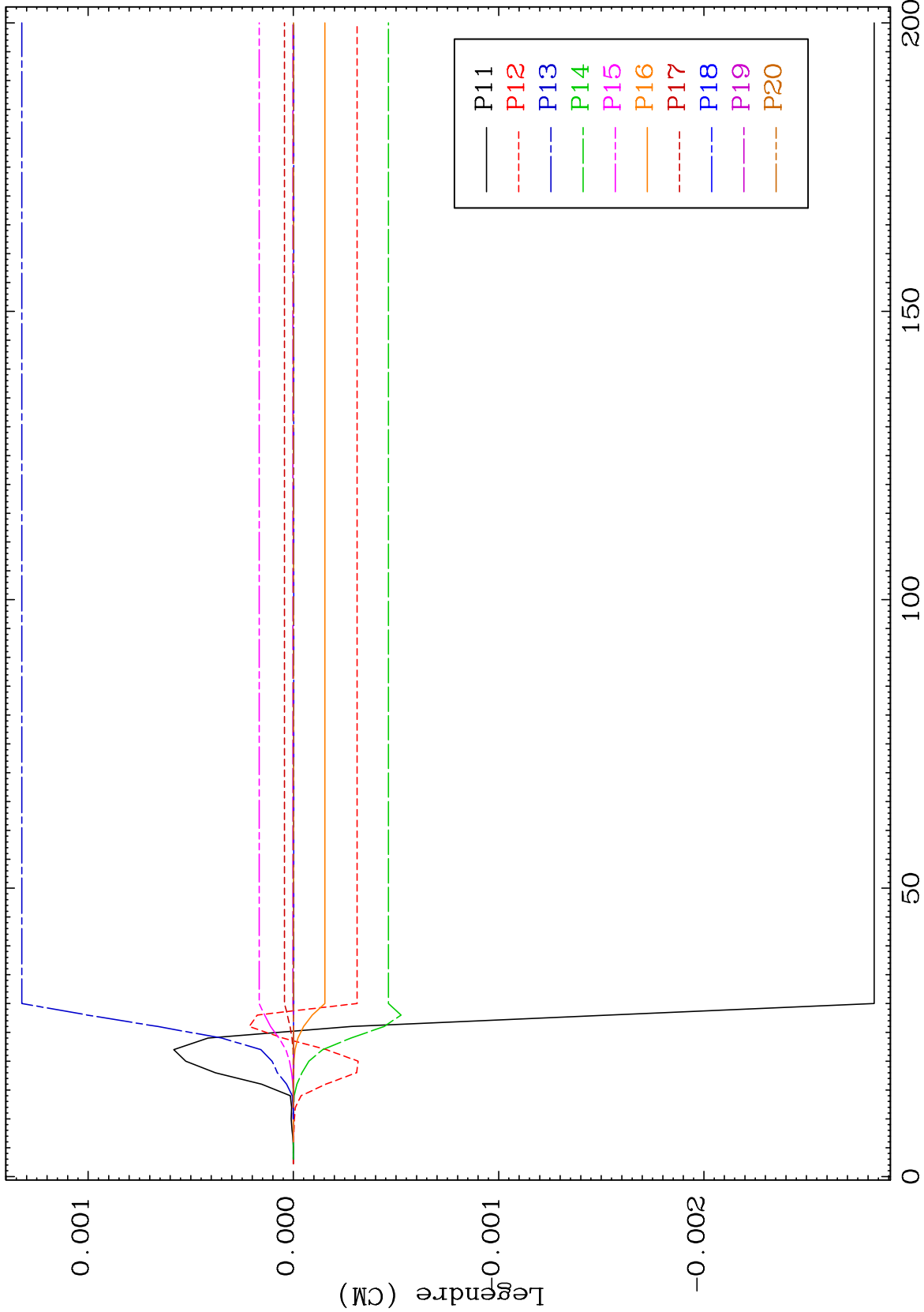
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-156



57

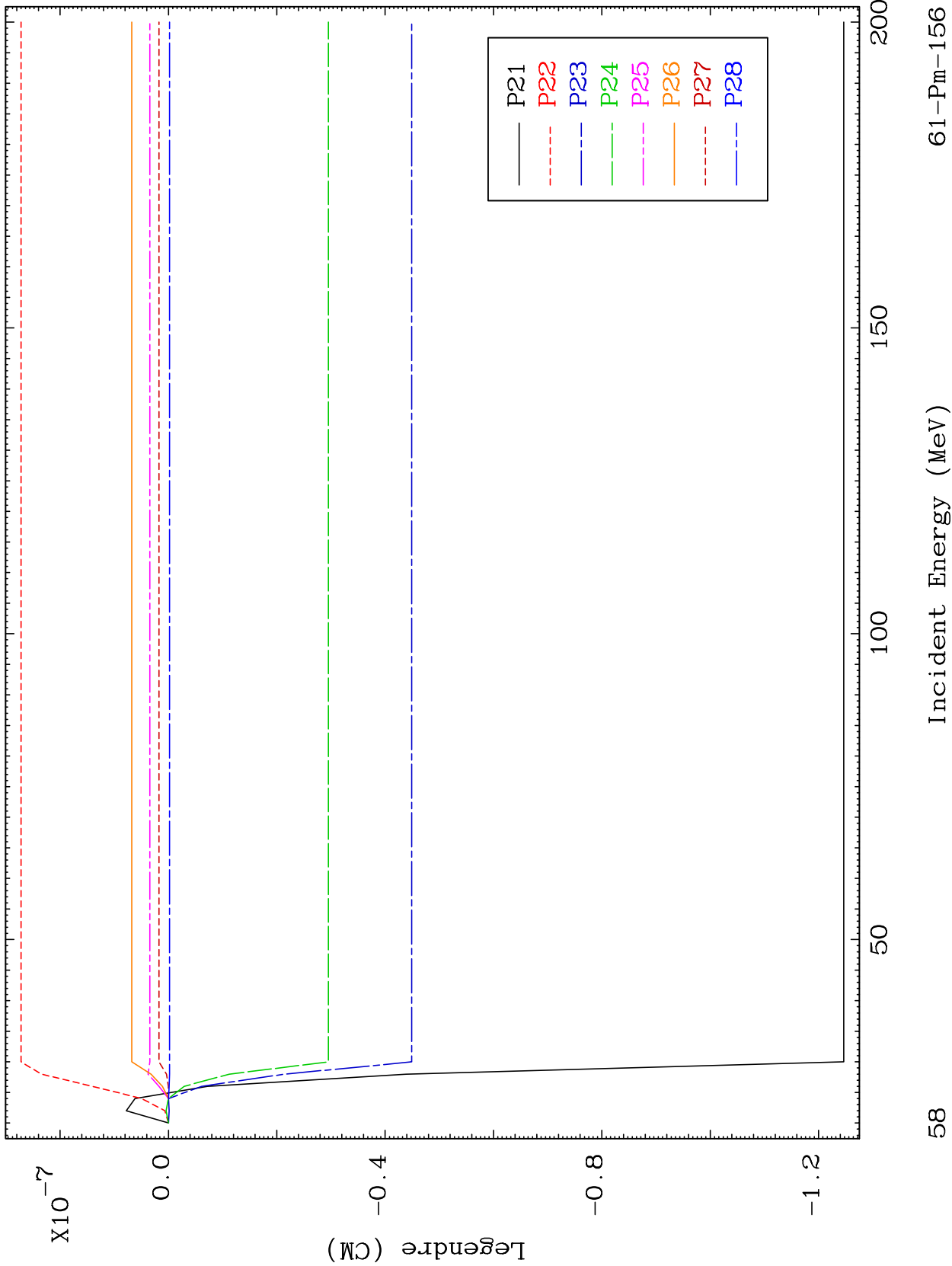
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 62 (n,n') Level
Legendre Coefficients

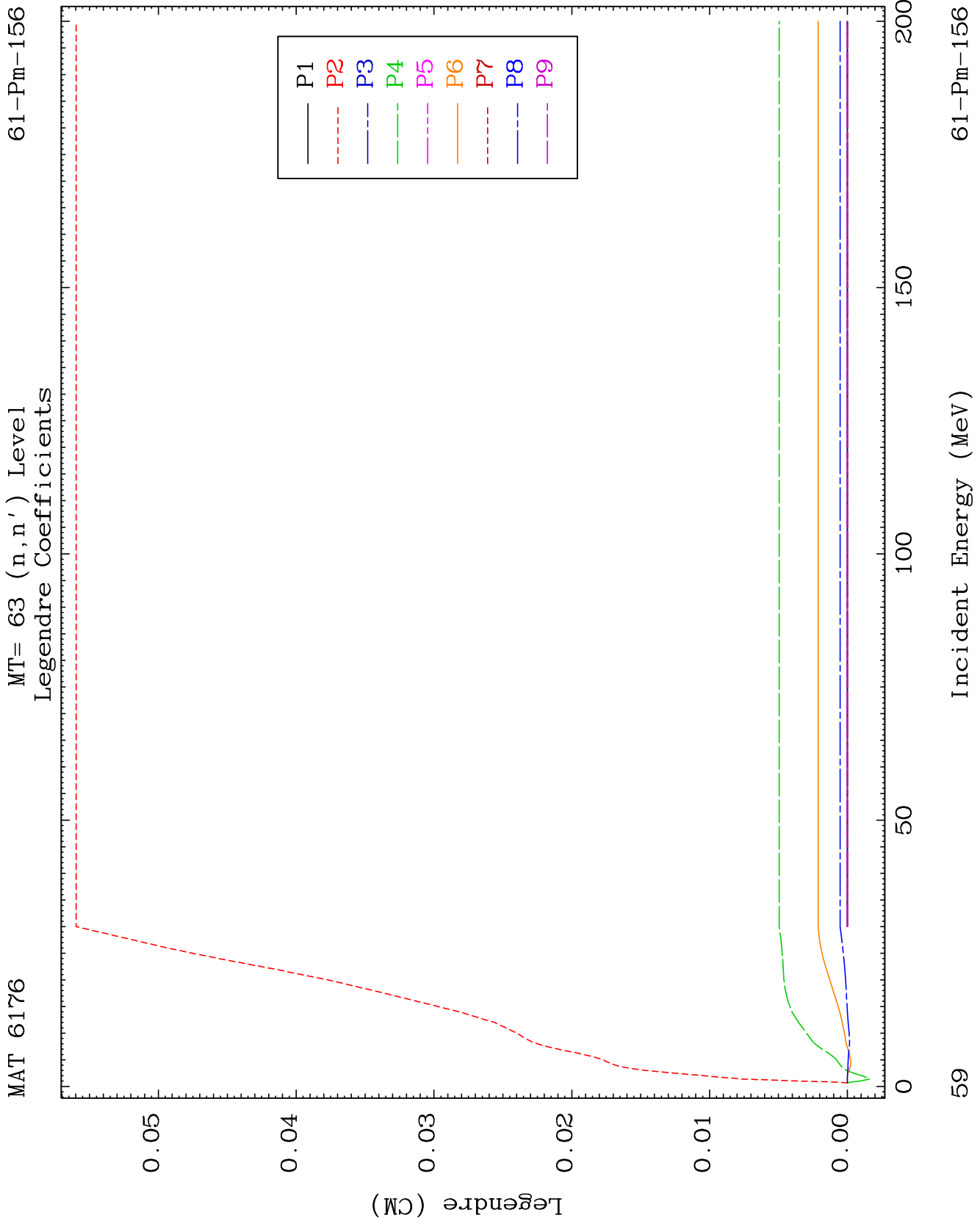
61-Pm-156



58

Incident Energy (MeV)

61-Pm-156

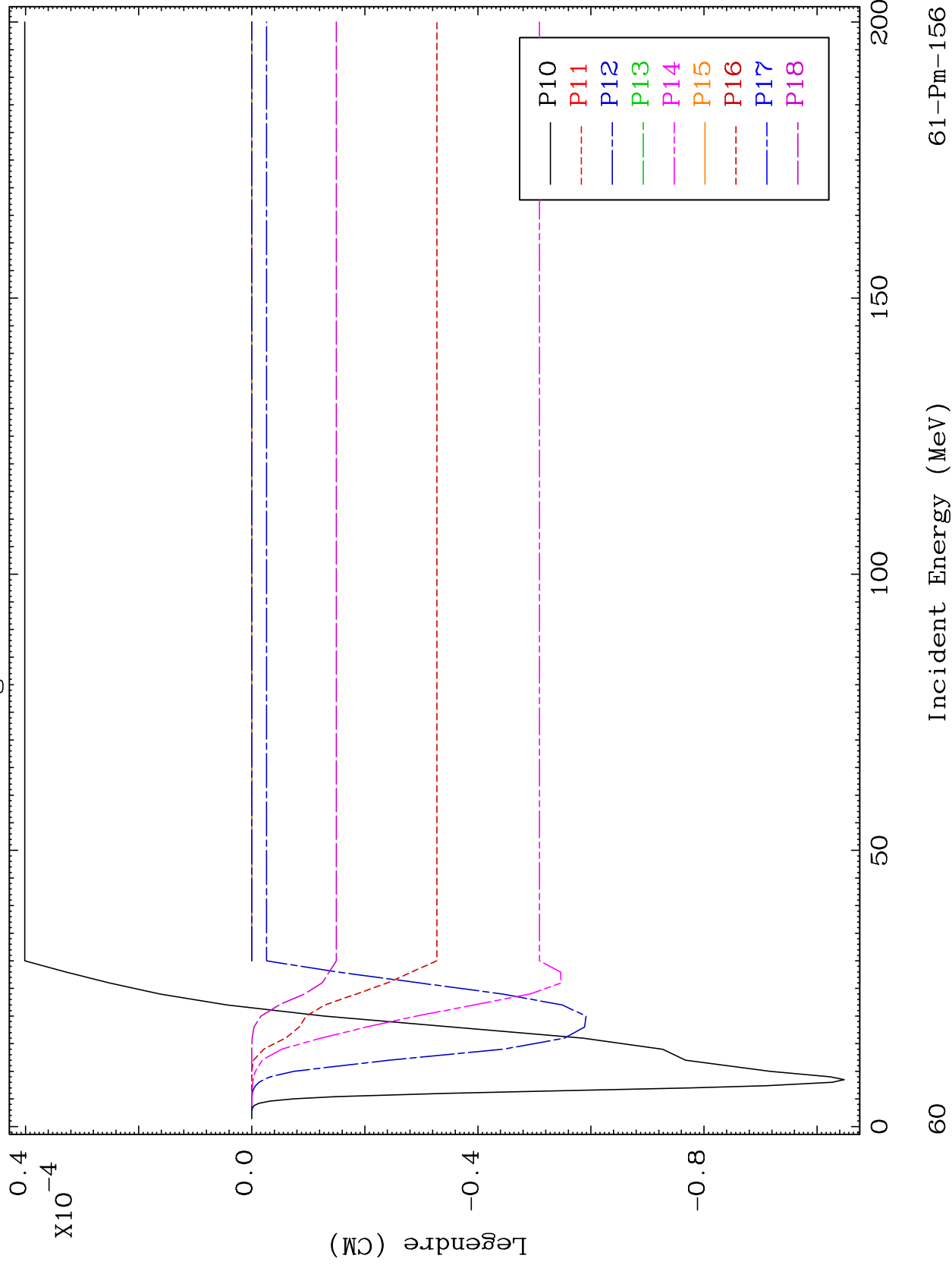


MAT 6176

MT= 63 (n,n') Level

61-Pm-156

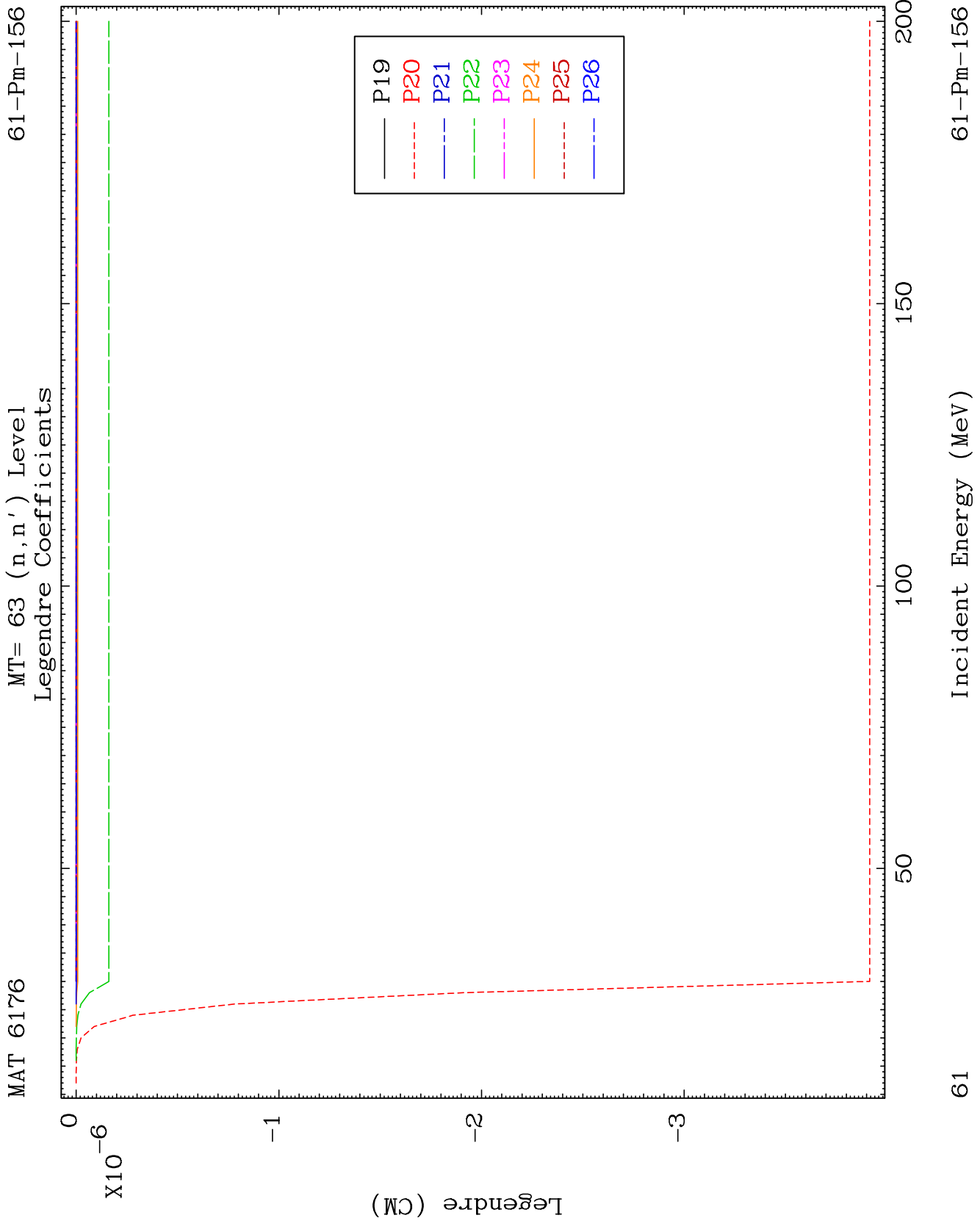
Legendre Coefficients

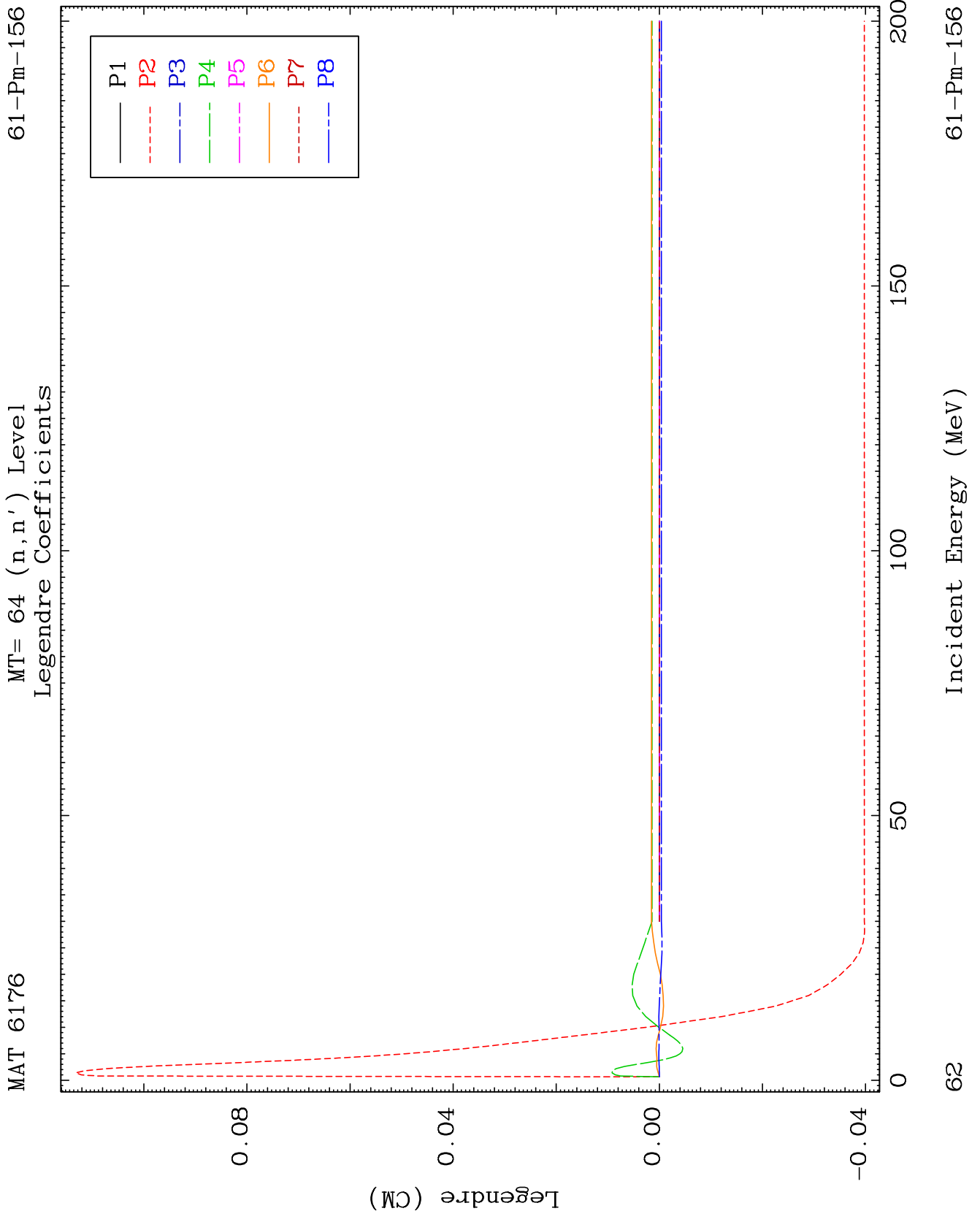


61-Pm-156

Incident Energy (MeV)

60

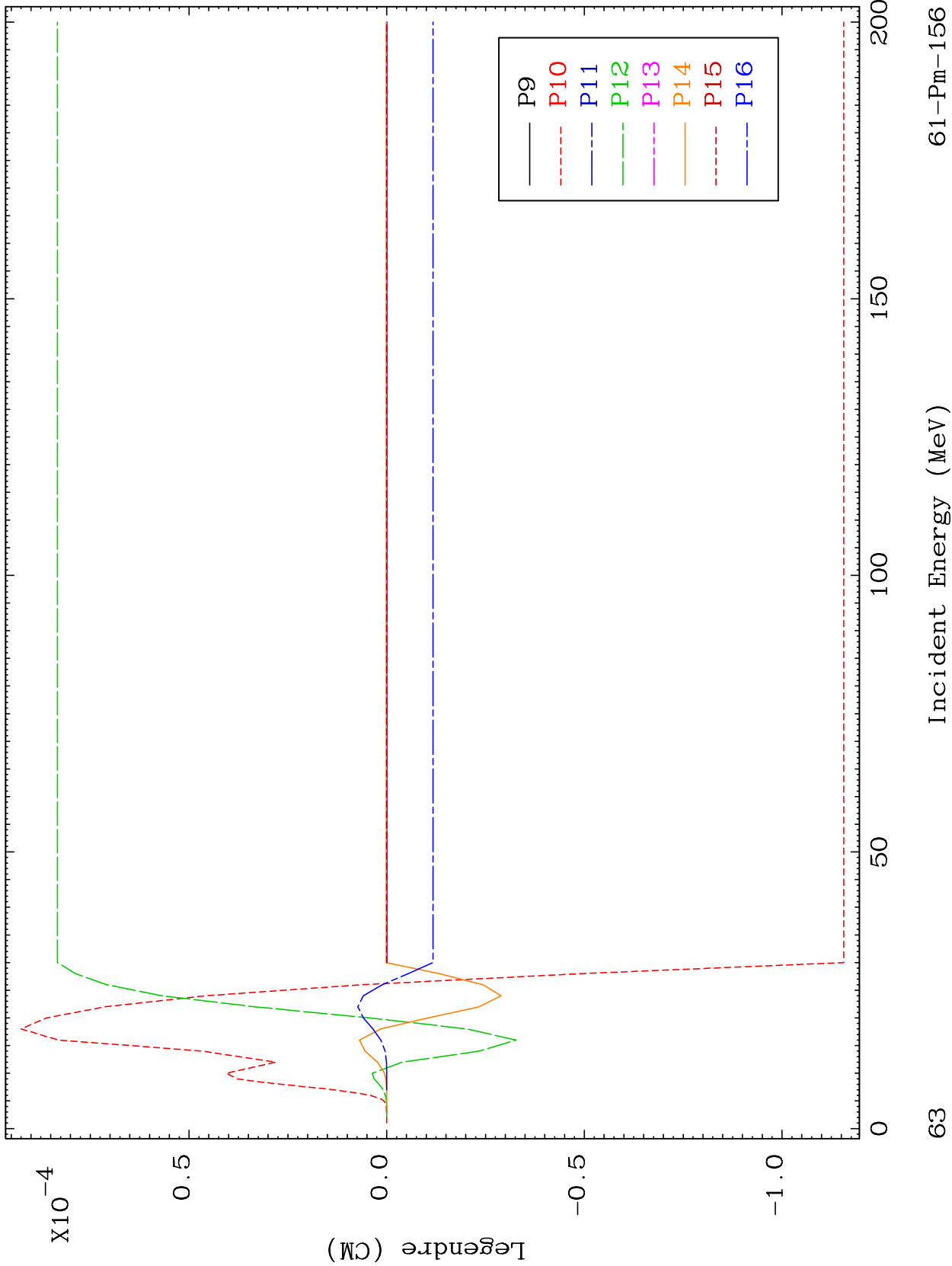




MAT 6176

MT= 64 (n,n') Level
Legendre Coefficients

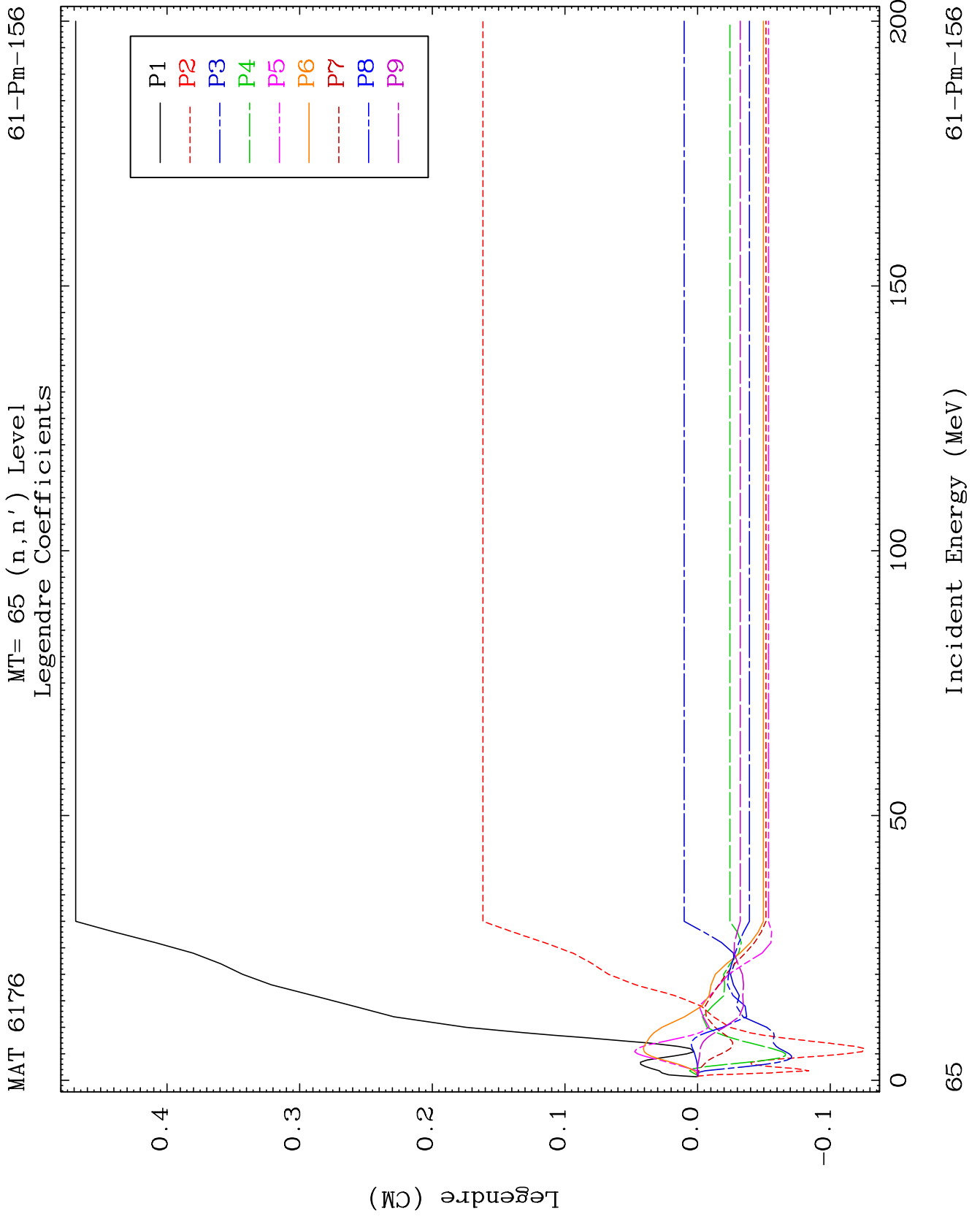
61-Pm-156



63

Incident Energy (MeV)

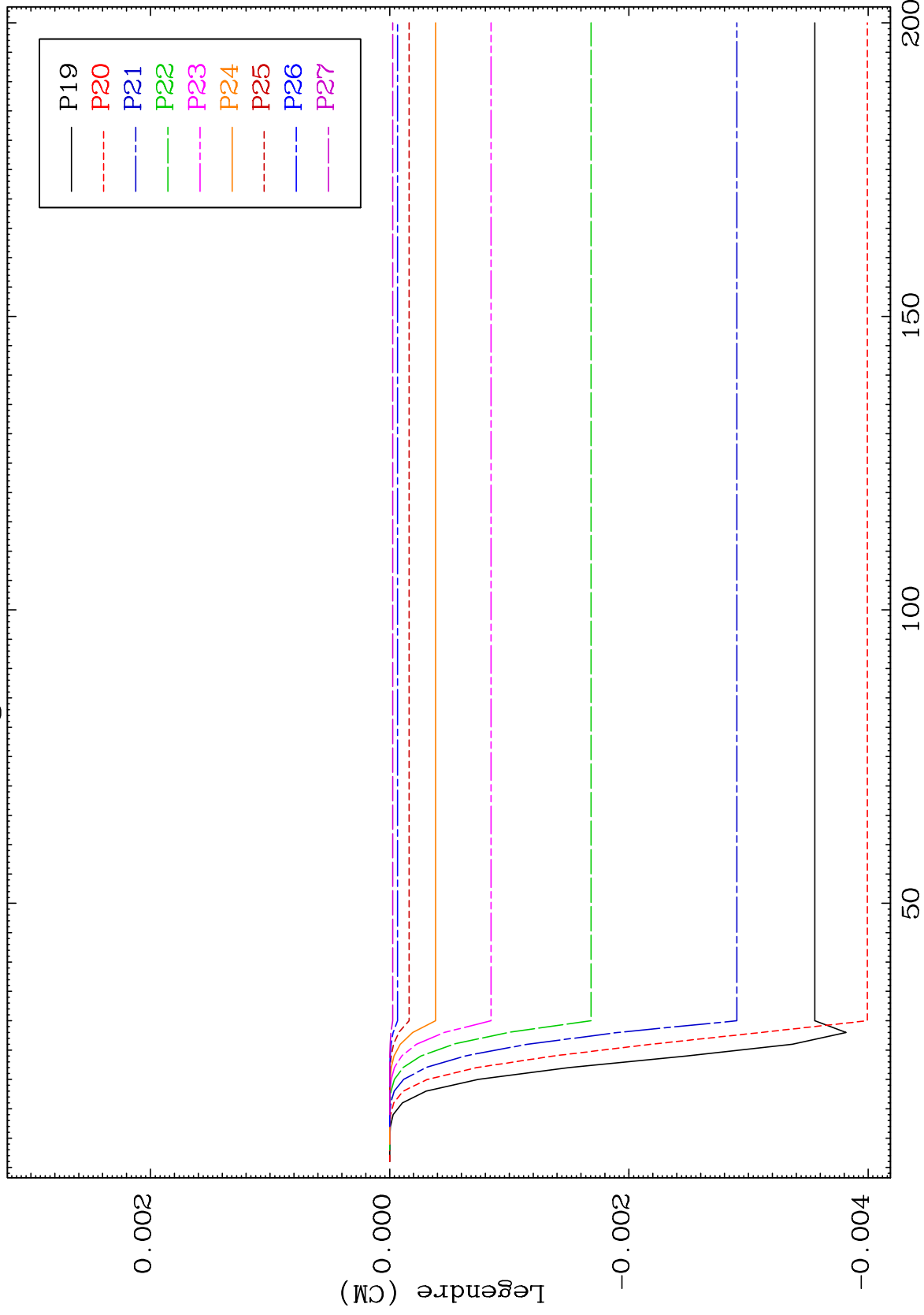
61-Pm-156



MAT 6176

MT= 65 (n,n') Level
Legendre Coefficients

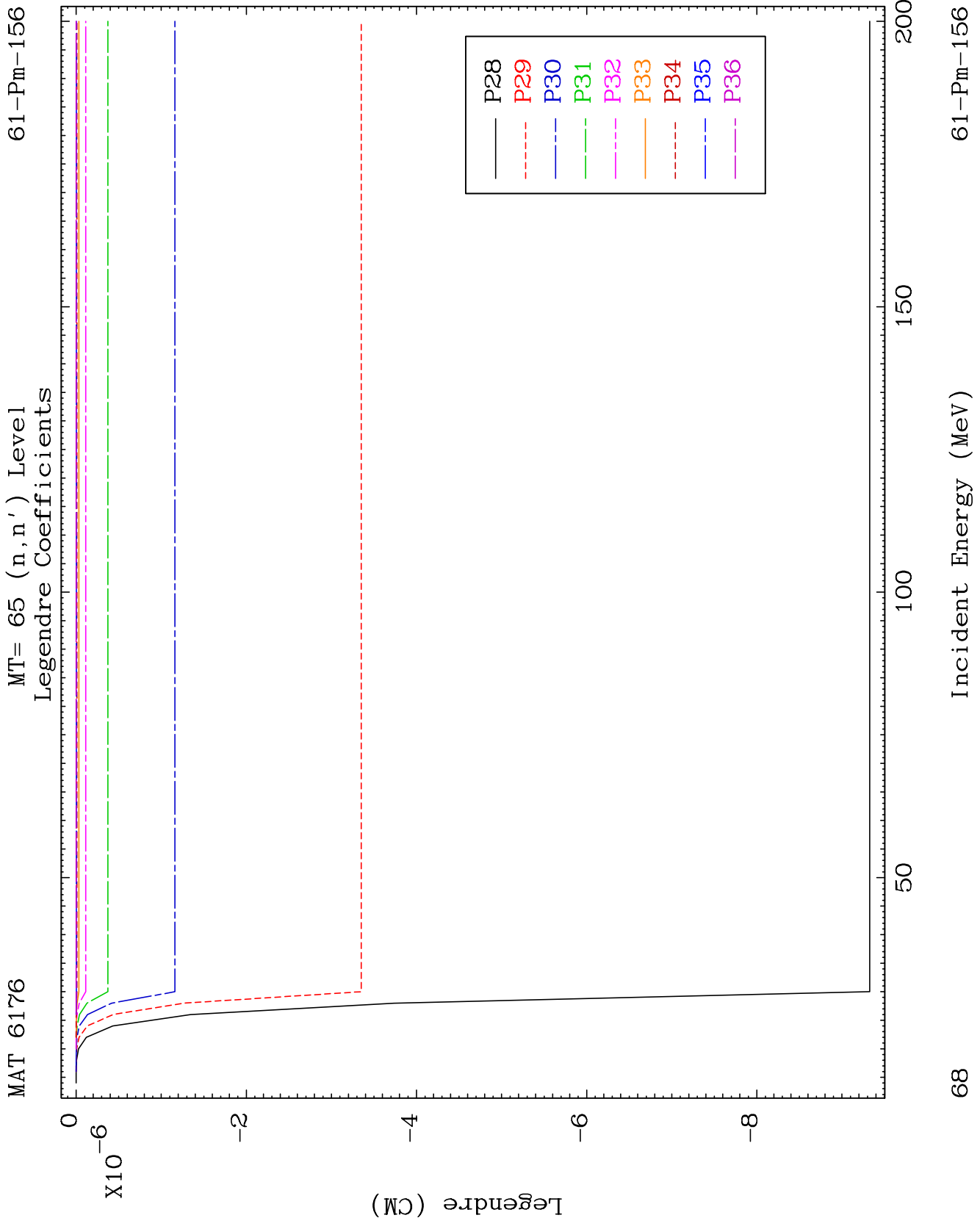
61-Pm-156

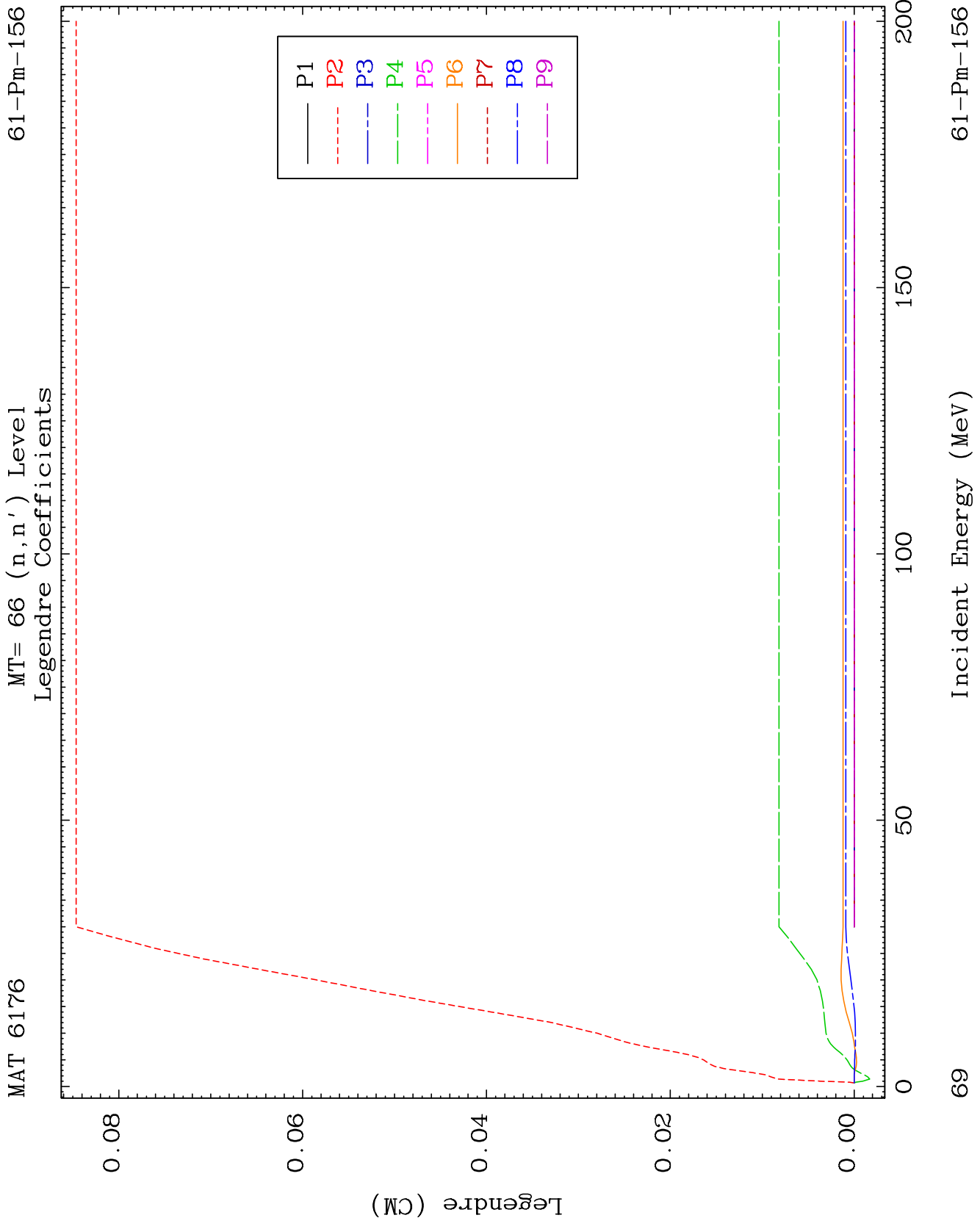


67

Incident Energy (MeV)

61-Pm-156

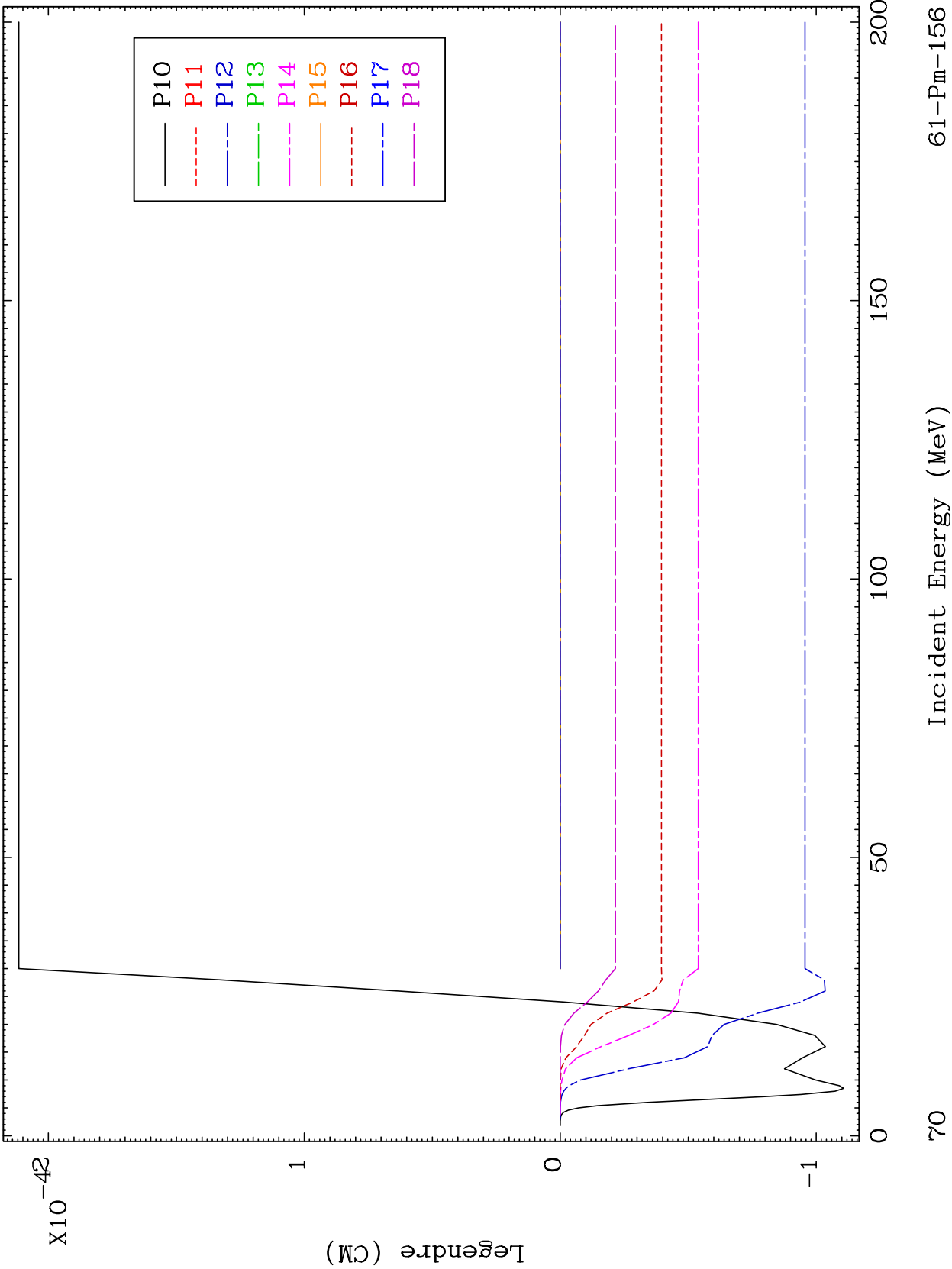




MAT 6176

MT= 66 (n,n') Level
Legendre Coefficients

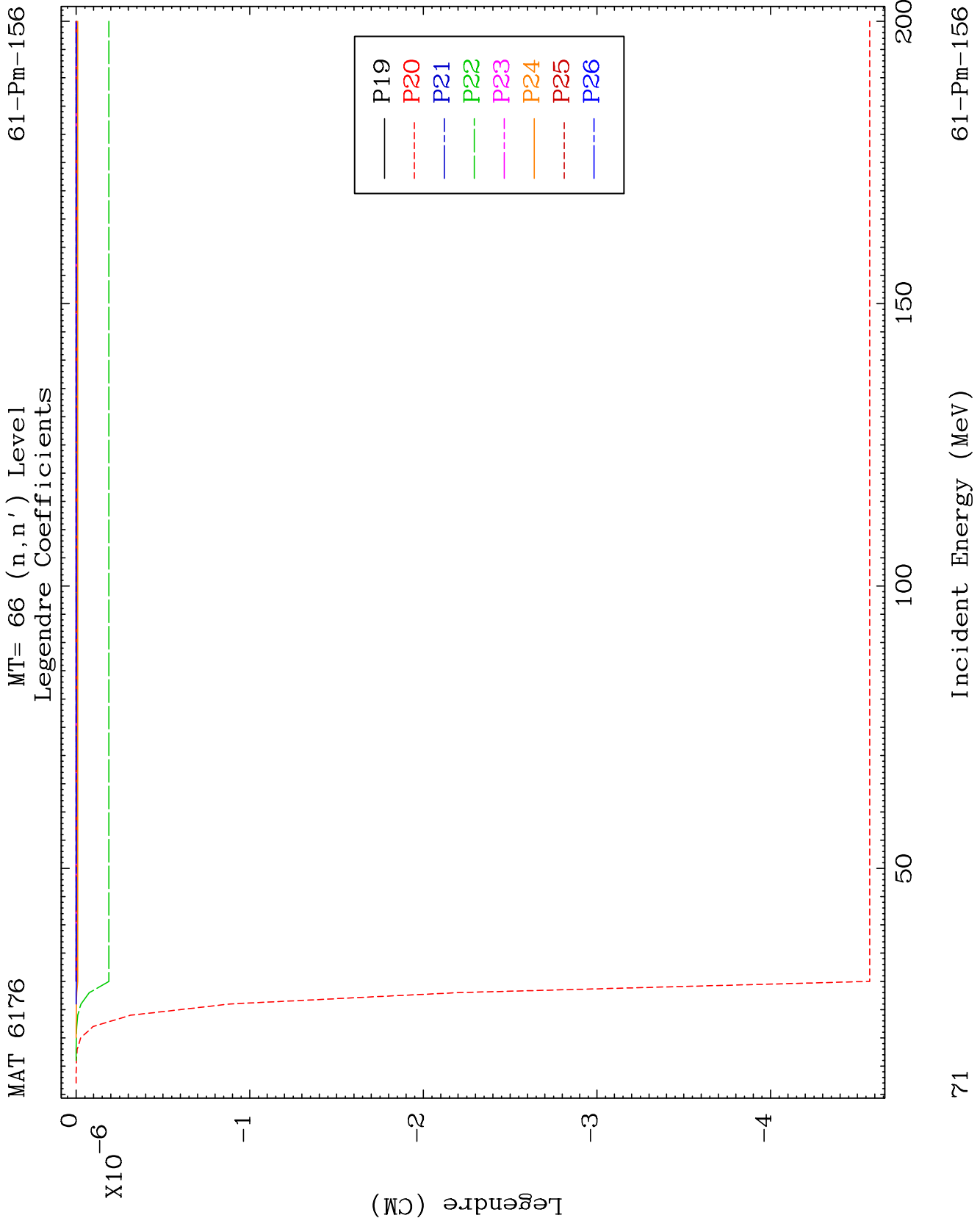
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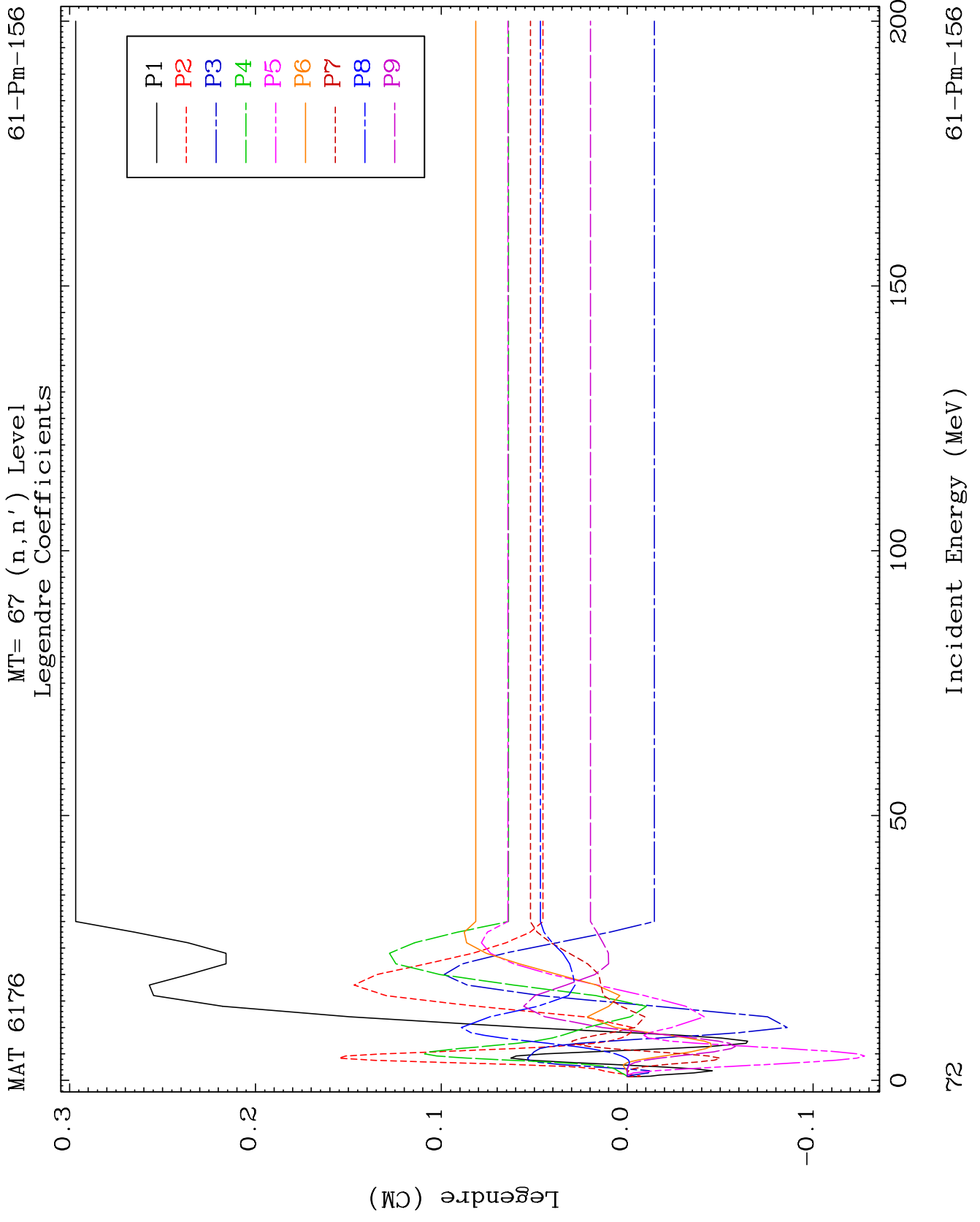


61-Pm-156

Incident Energy (MeV)

70

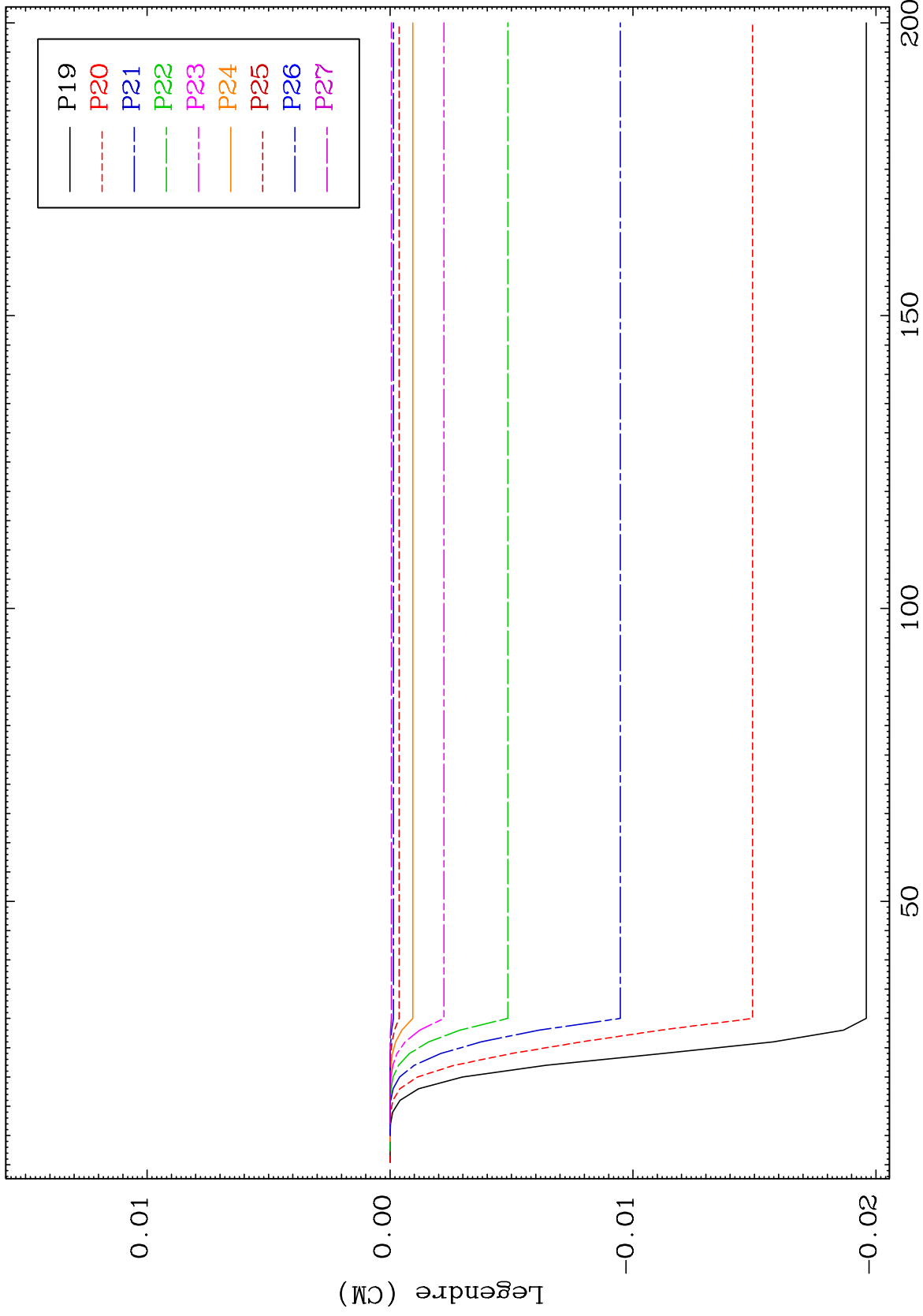




MAT 6176

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-156



74

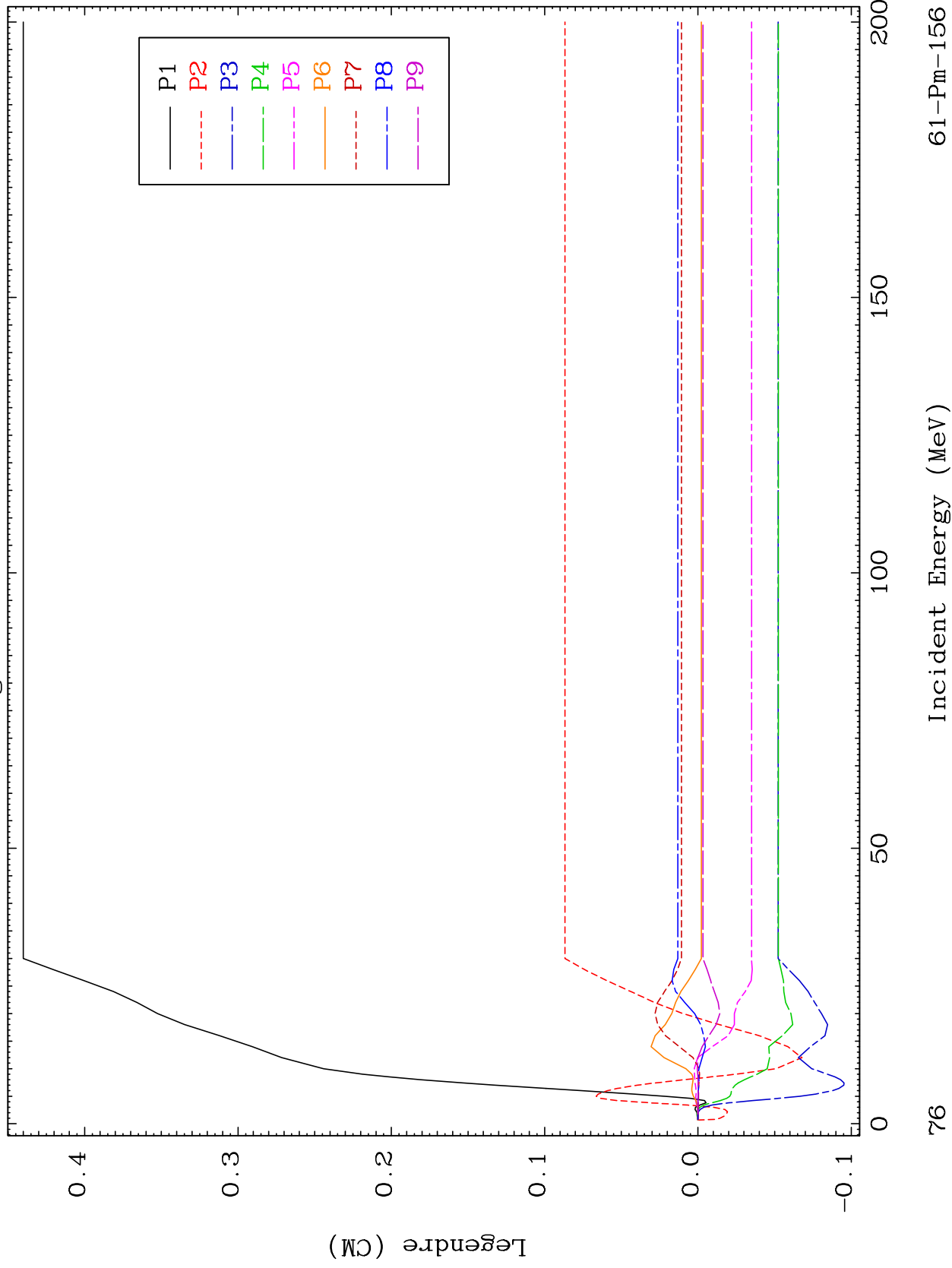
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

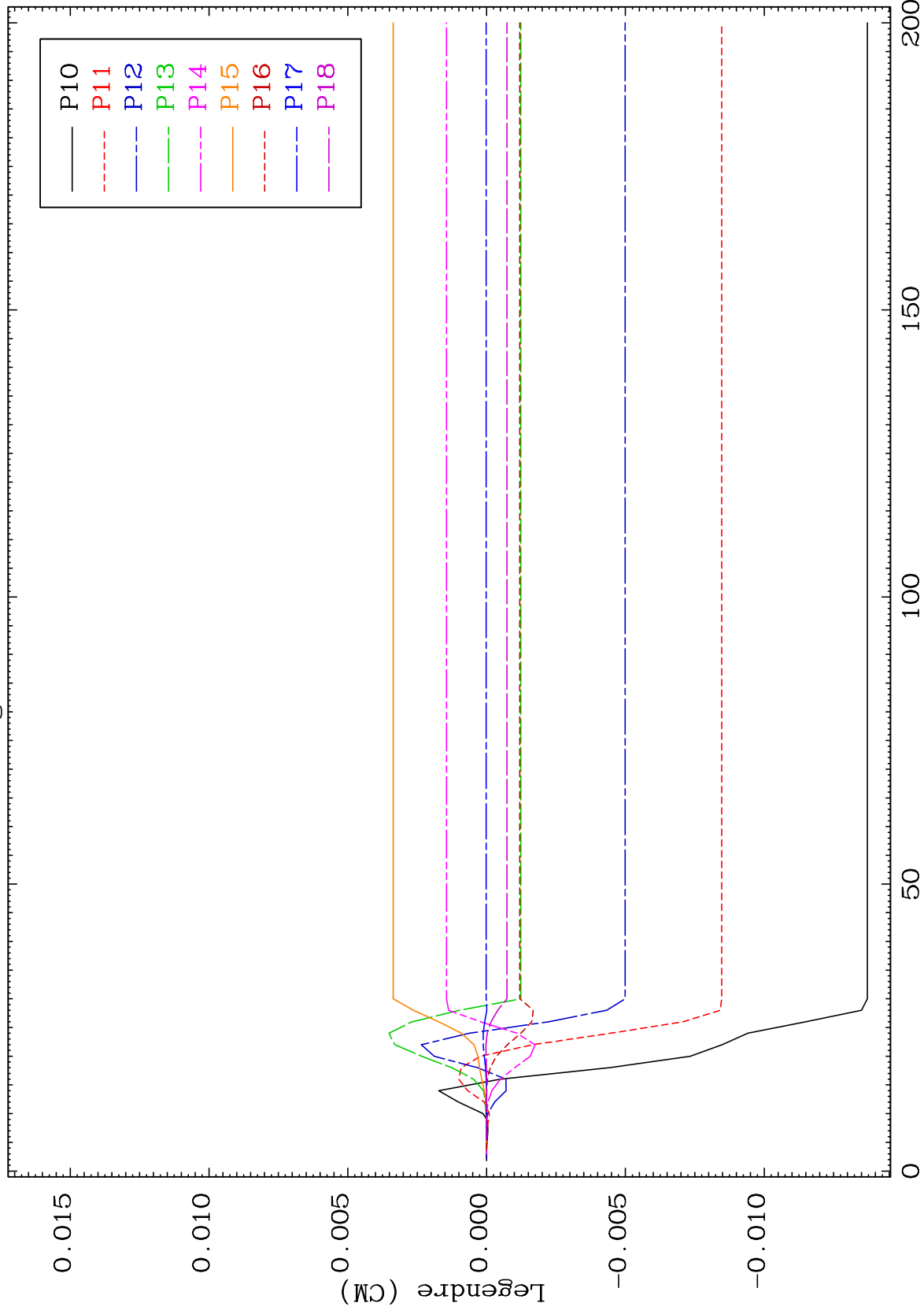
Incident Energy (MeV)

76

MAT 6176

MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-156



77

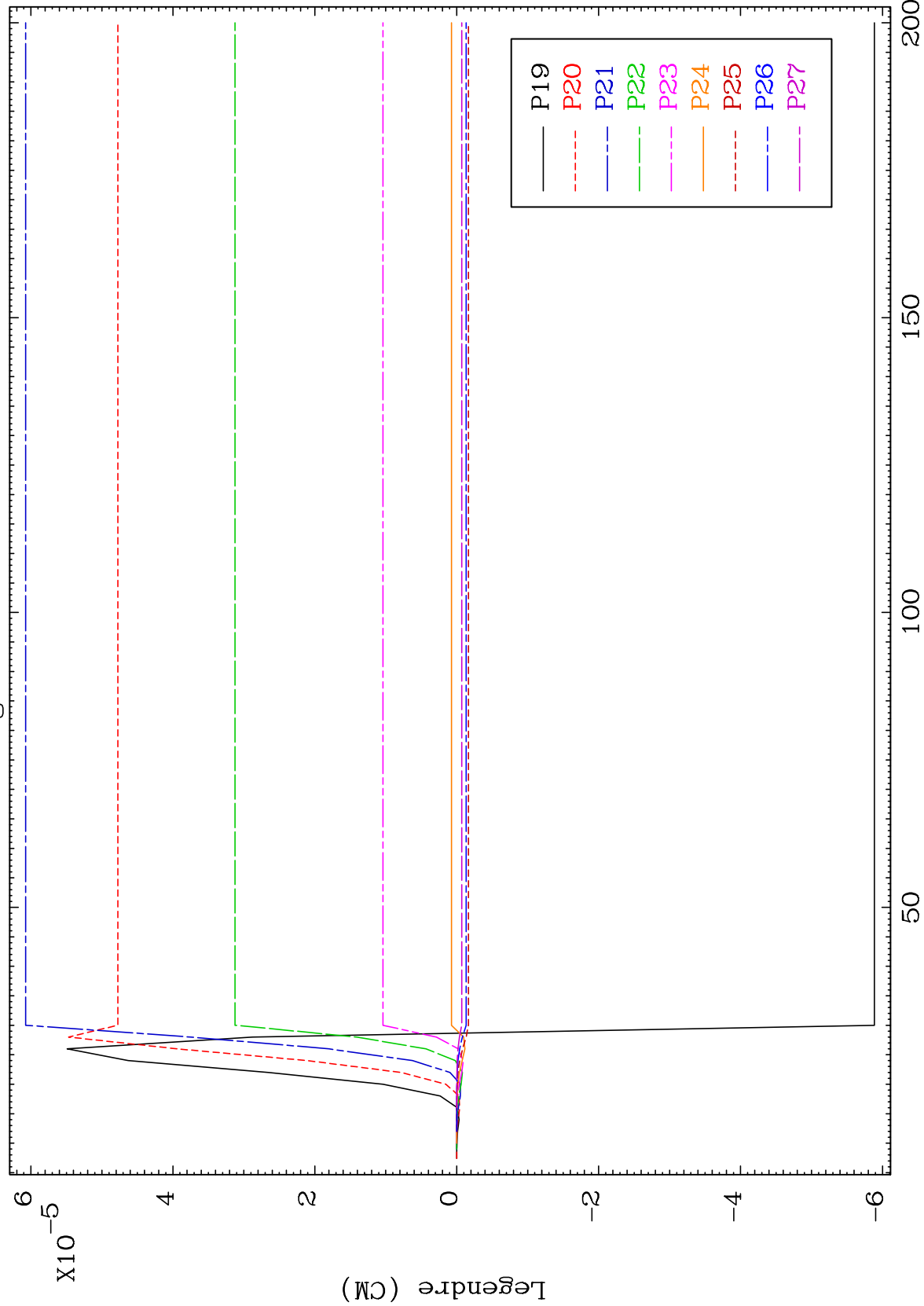
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 68 (n,n') Level
Legendre Coefficients

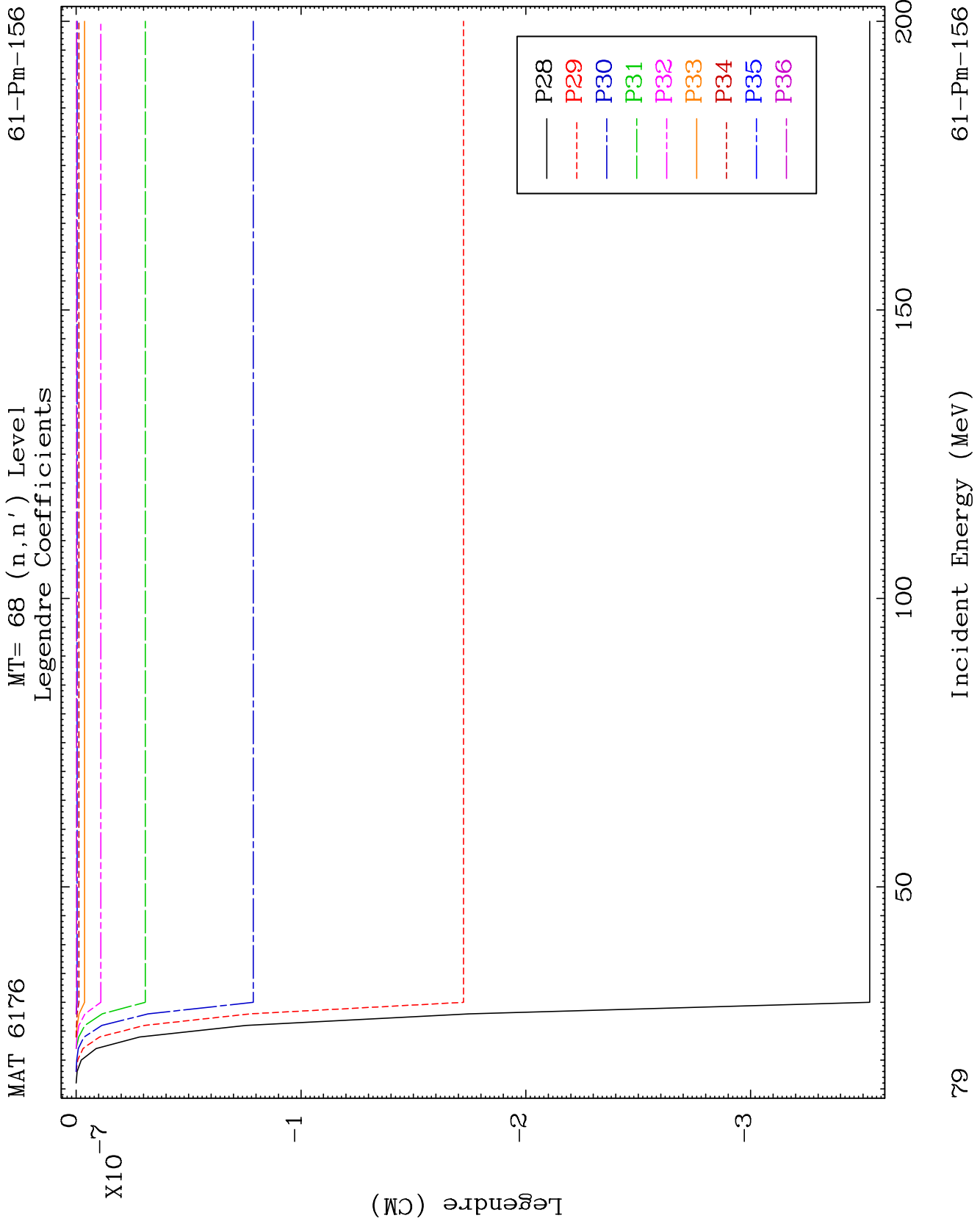
61-Pm-156



78

Incident Energy (MeV)

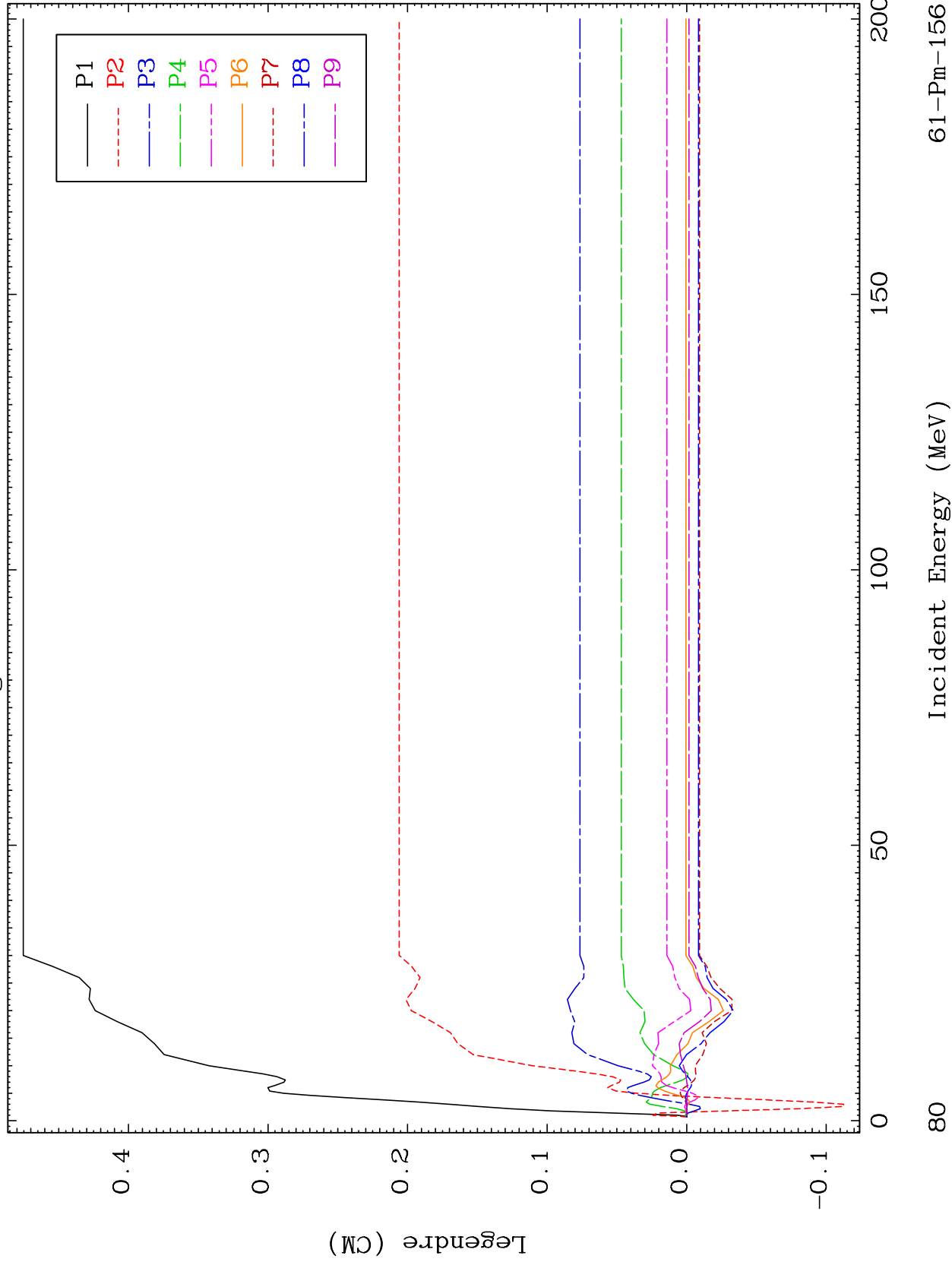
61-Pm-156

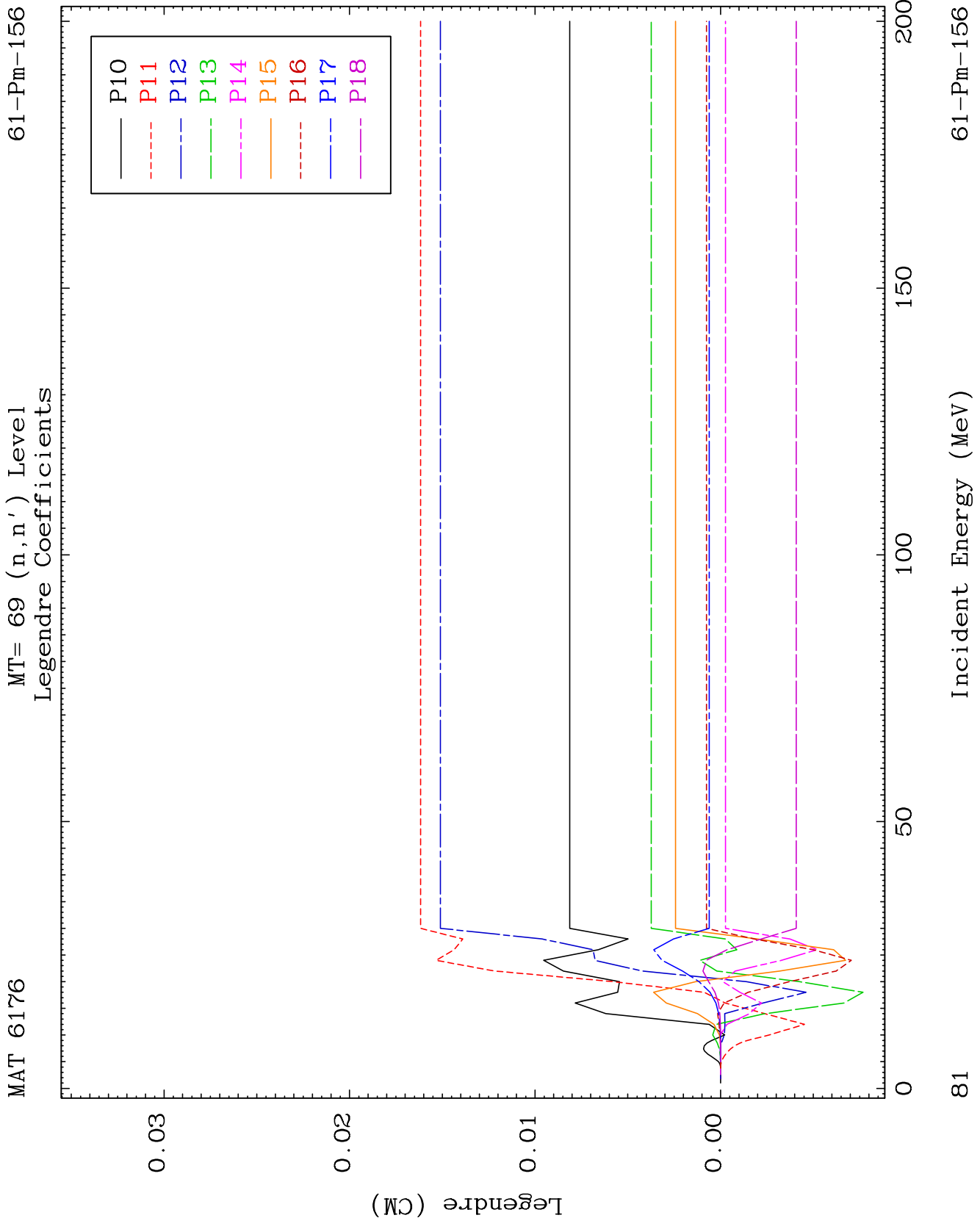


MAT 6176

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-156

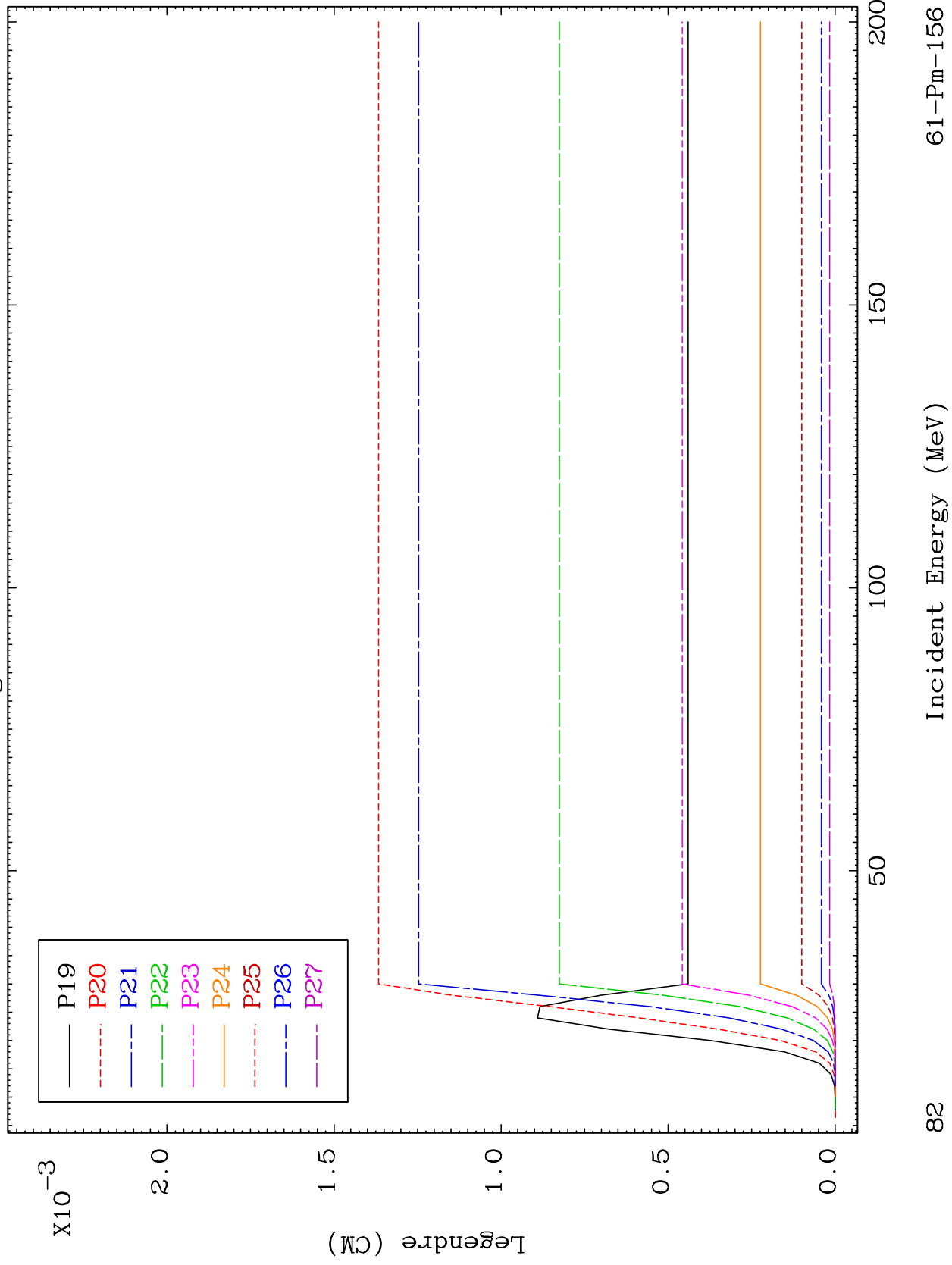




MAT 6176

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-156



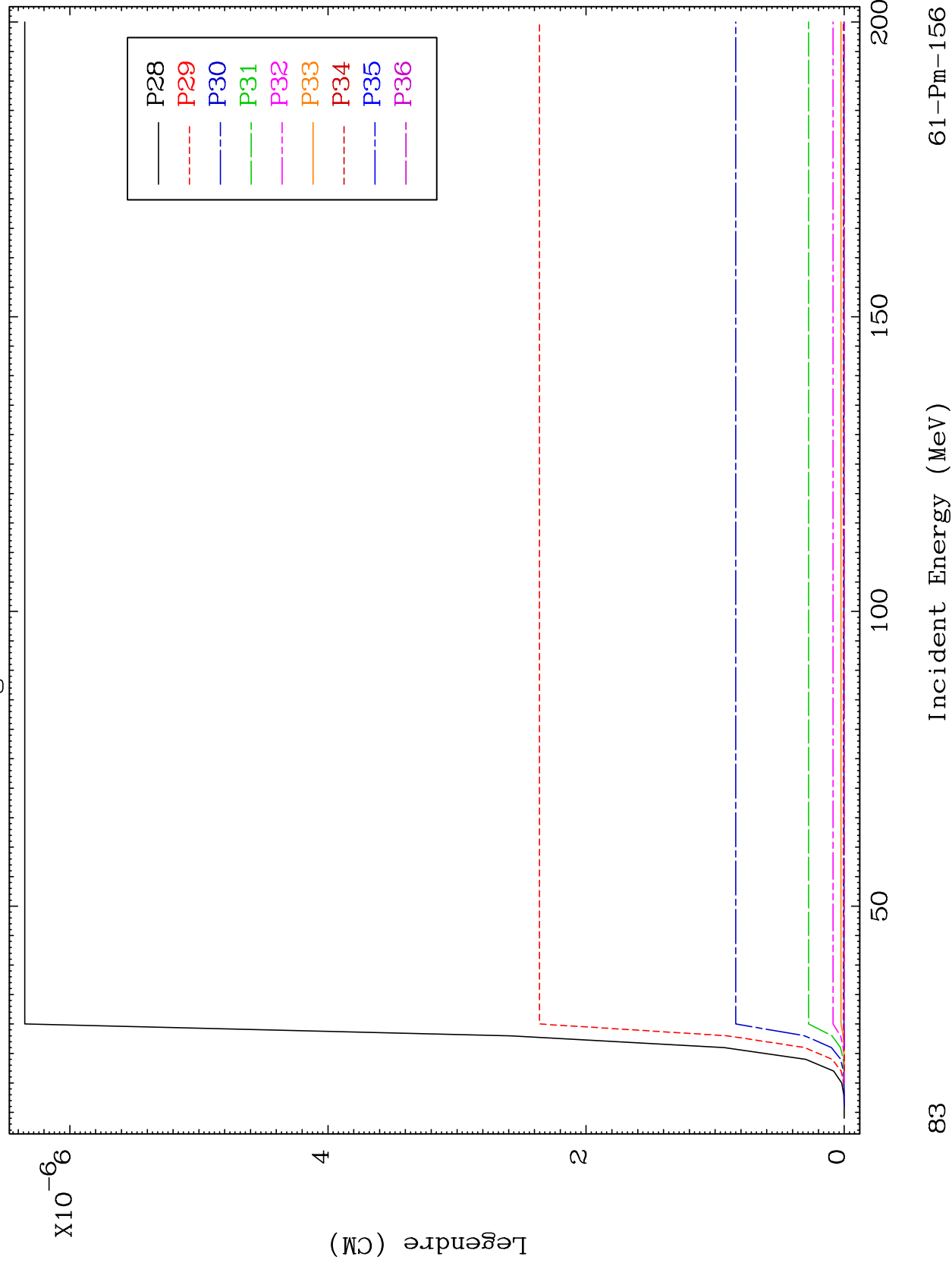
82

61-Pm-156

MAT 6176

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-156



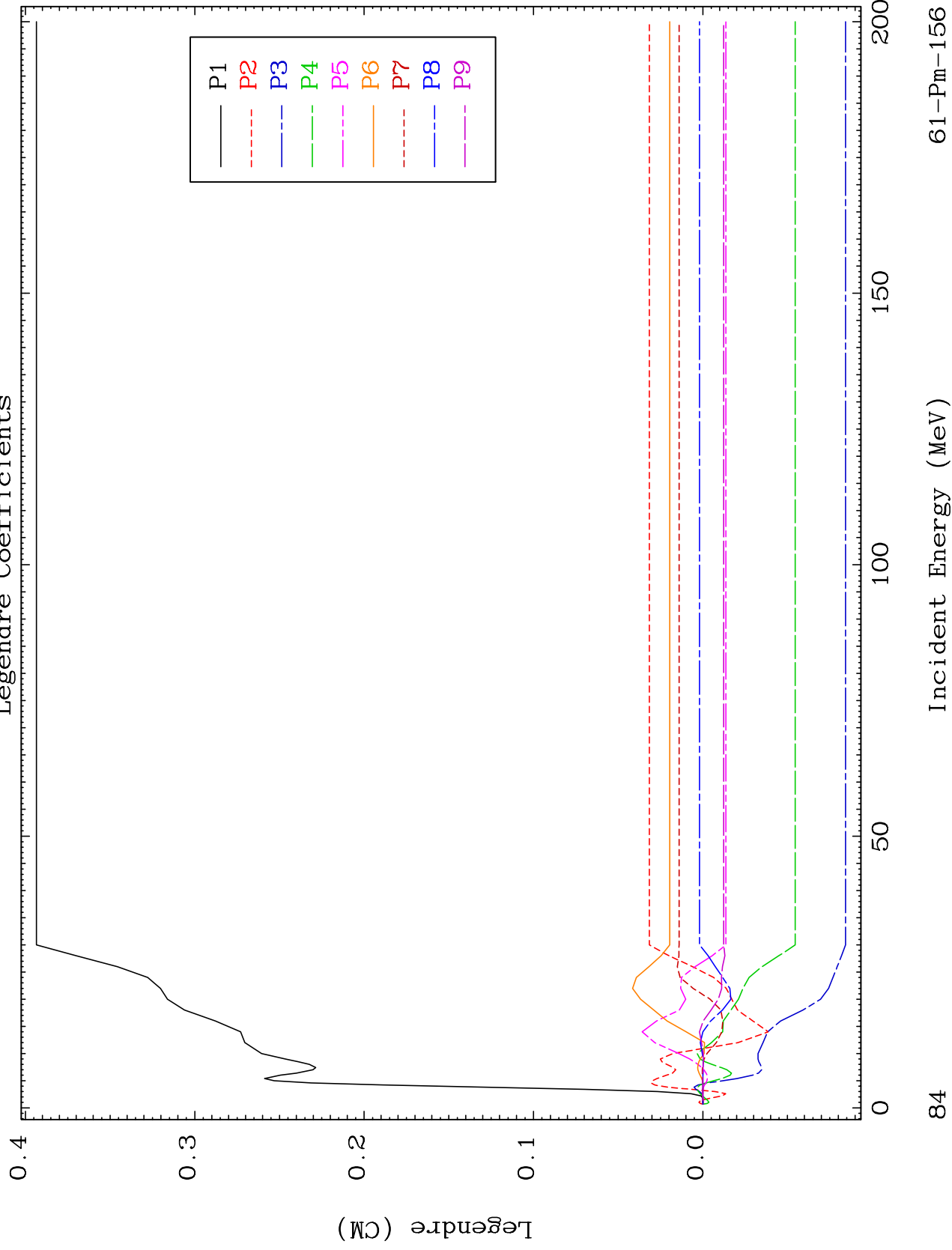
83

61-Pm-156

MAT 6176

MT= 70 (n,n') Level
Legendre Coefficients

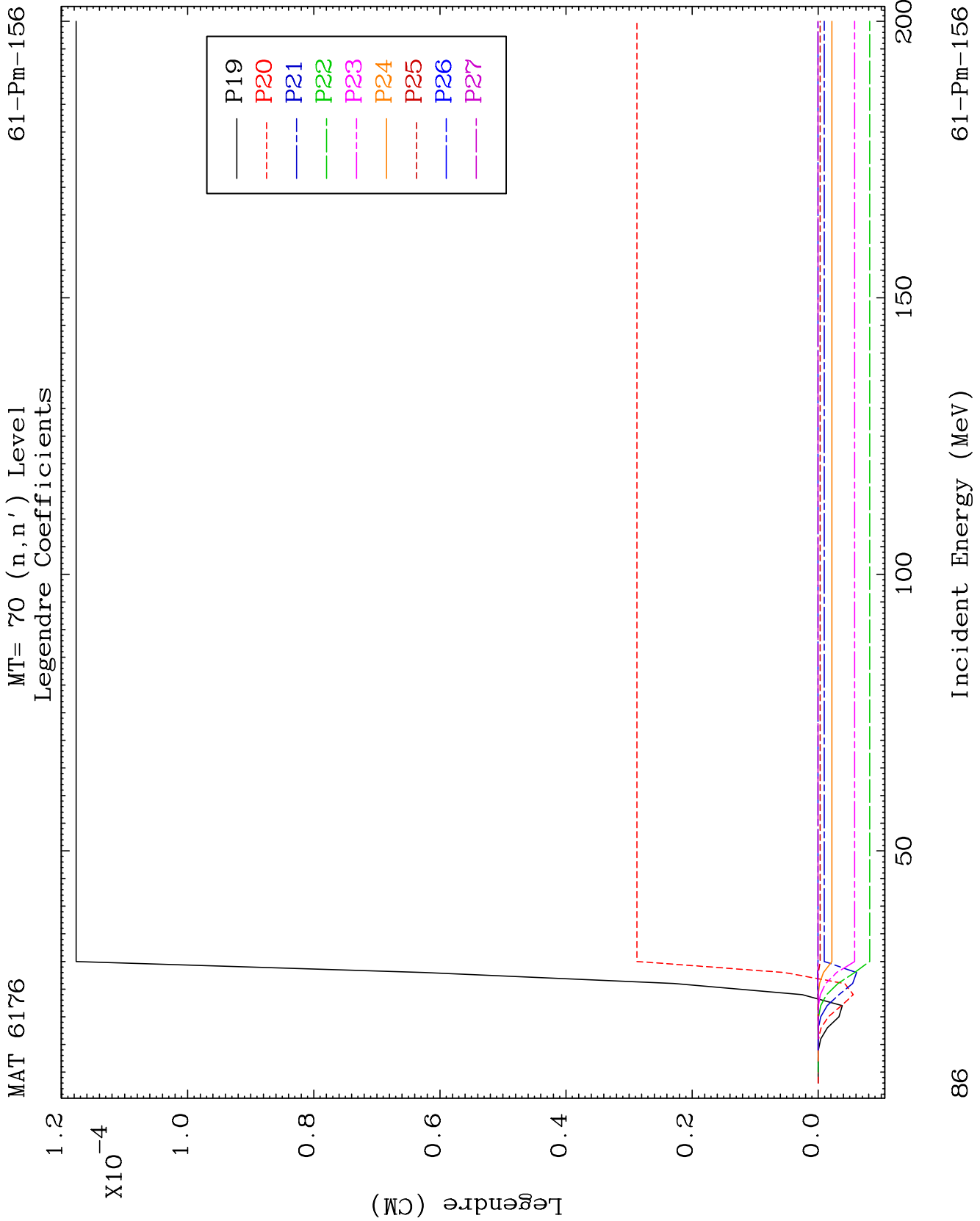
61-Pm-156



84

Incident Energy (MeV)

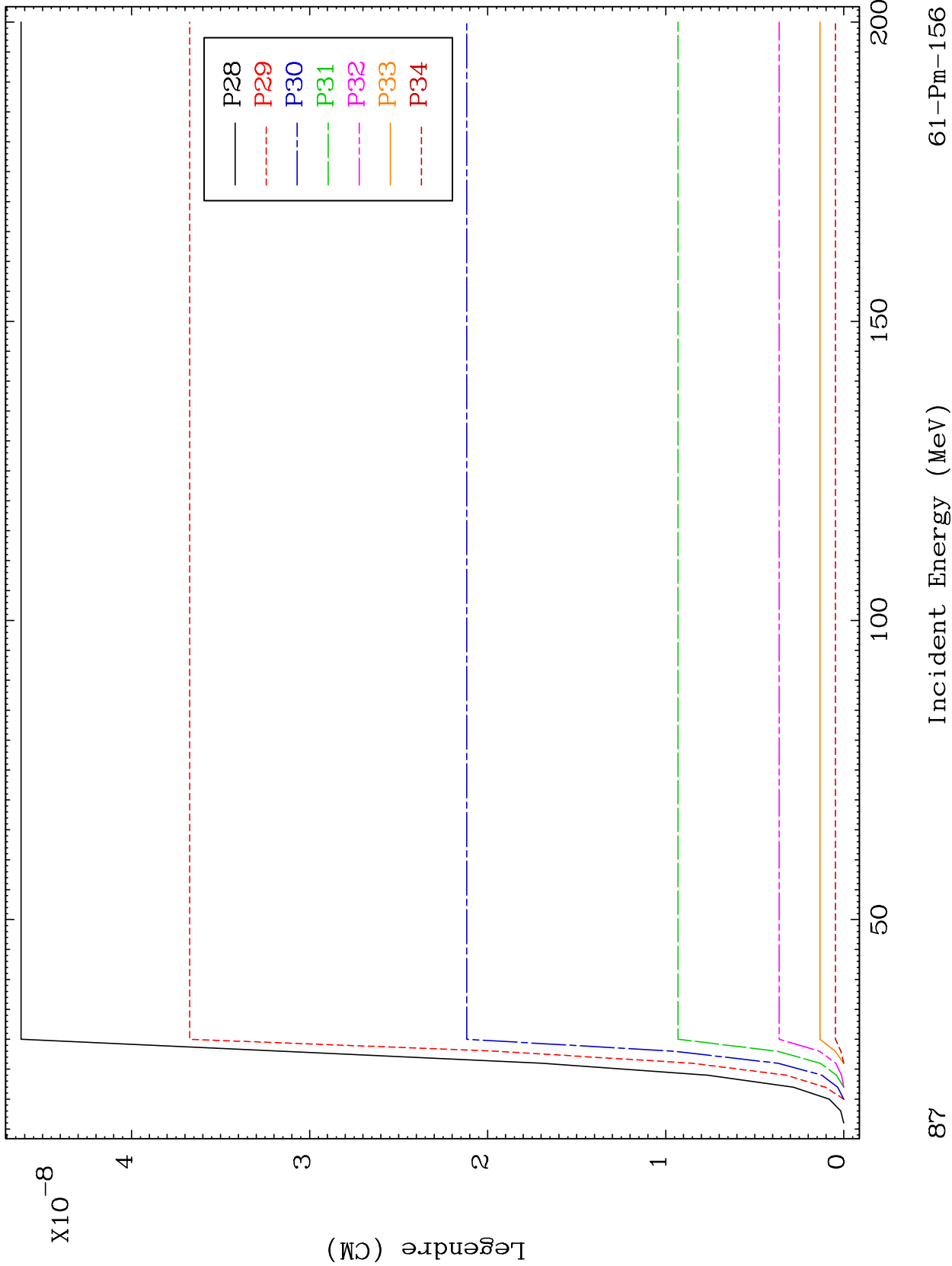
61-Pm-156

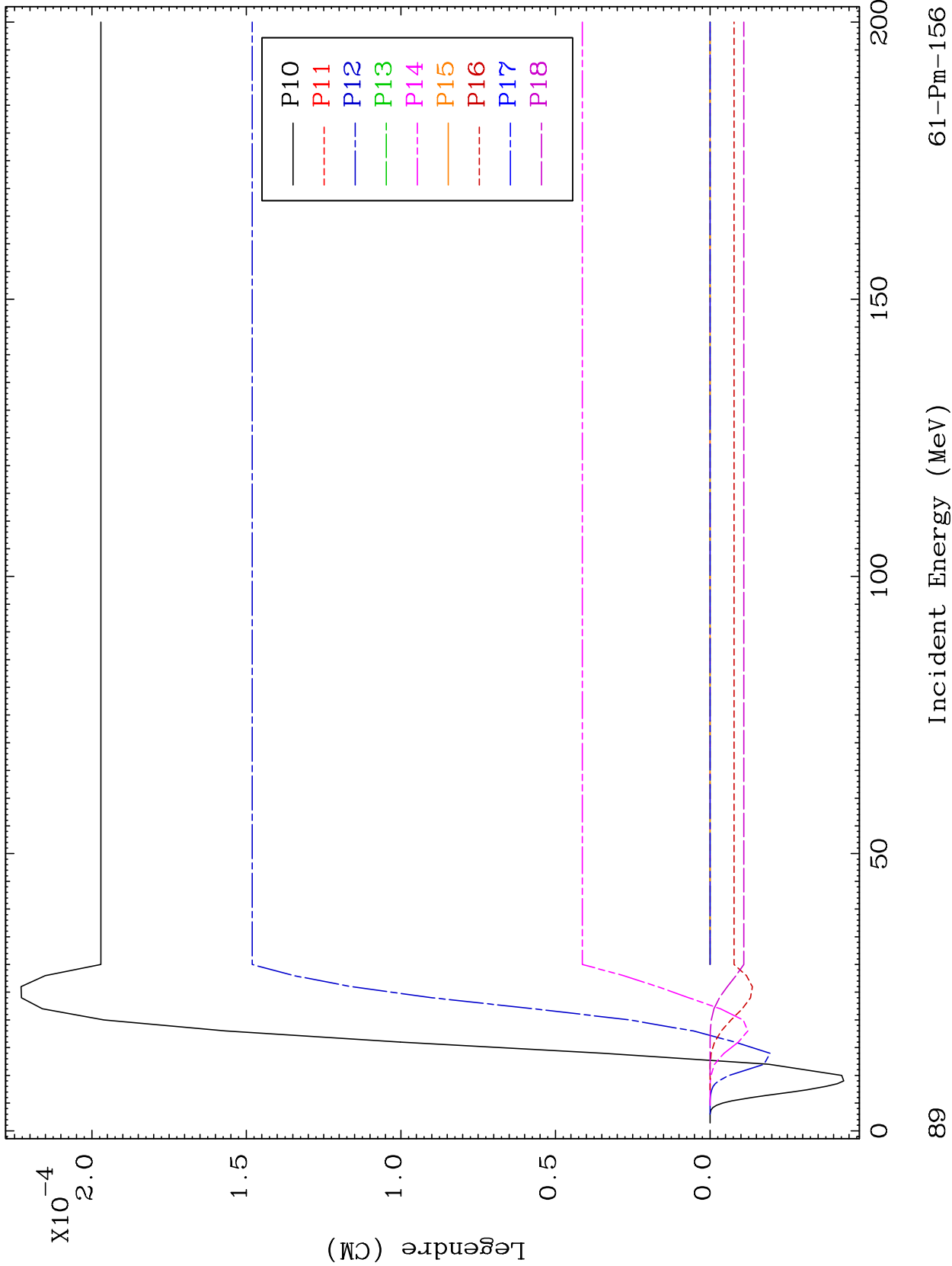


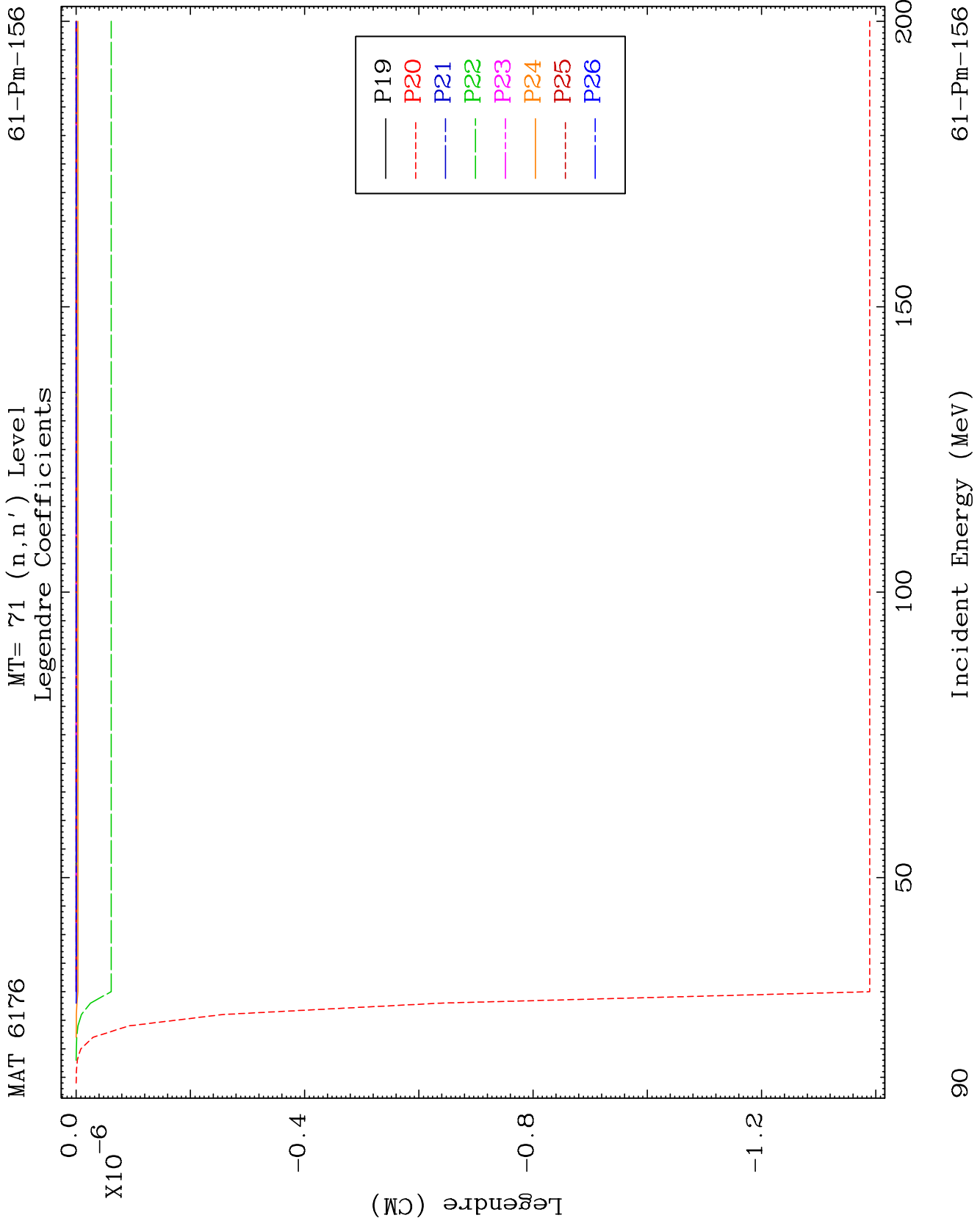
MAT 6176

MT= 70 (n,n') Level
Legendre Coefficients

61-Pm-156



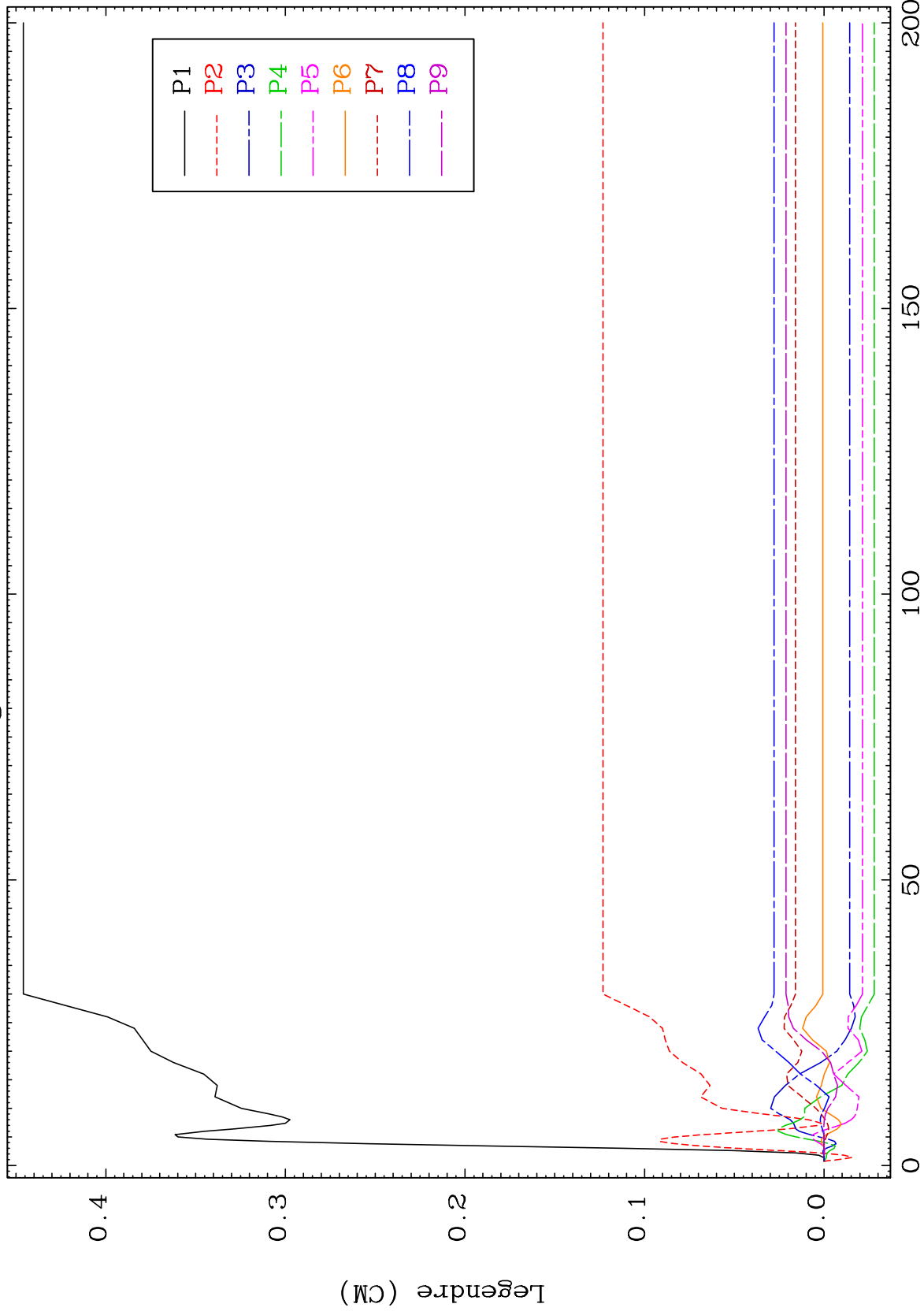




MAT 6176

MT= 72 (n,n') Level
Legendre Coefficients

61-Pm-156



91

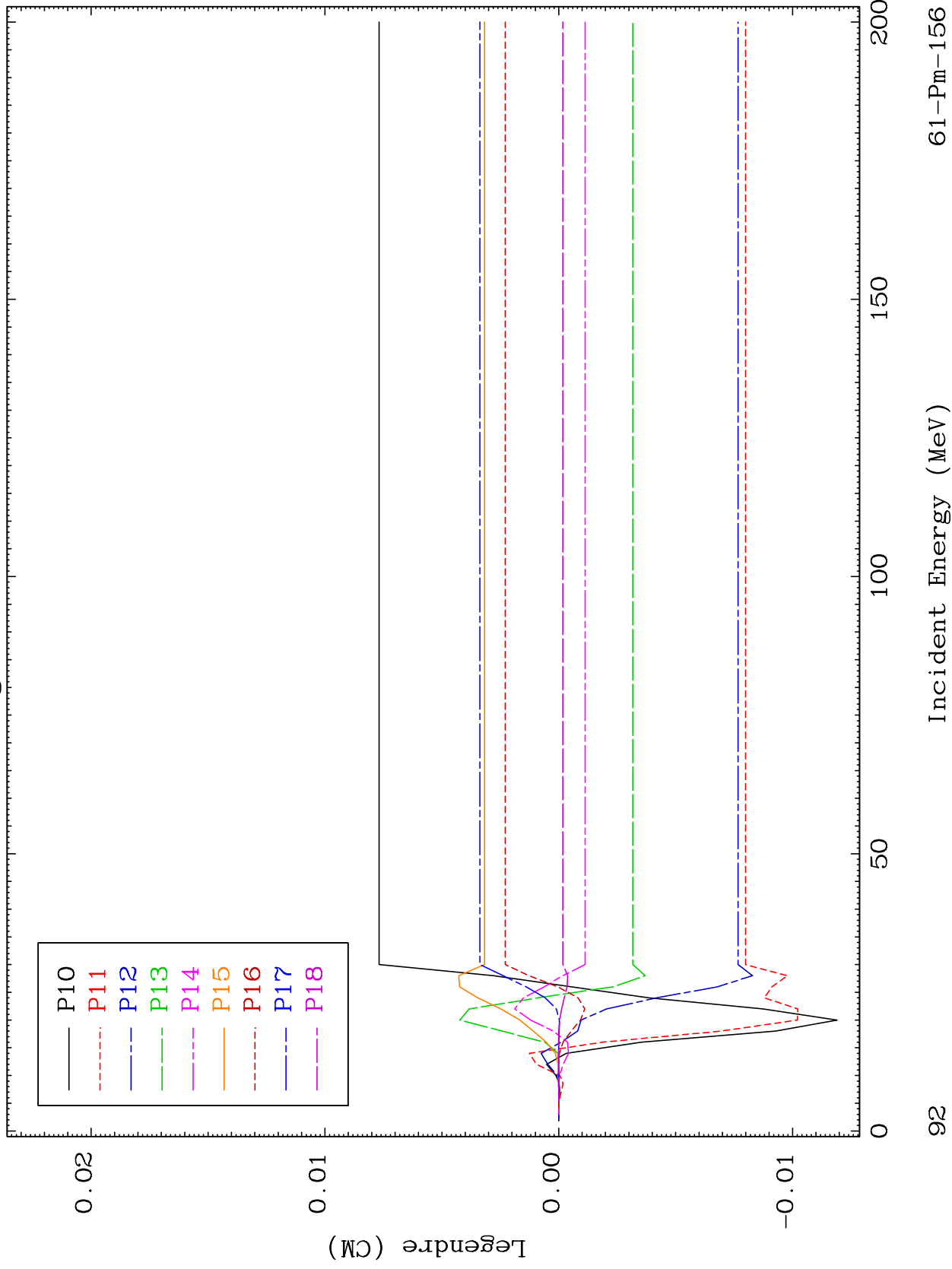
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 72 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

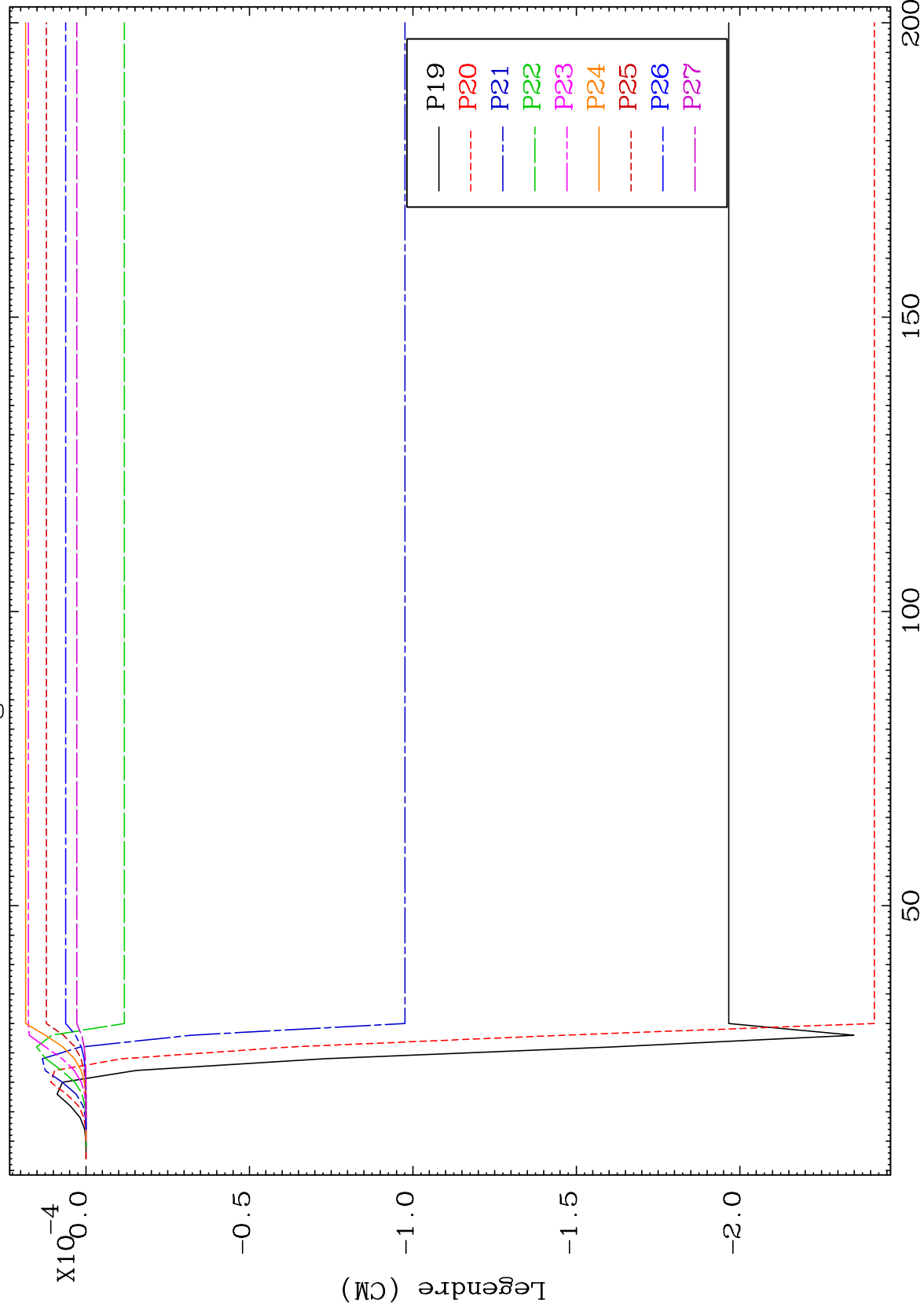
Incident Energy (MeV)

92

MAT 6176

MT= 72 (n,n') Level
Legendre Coefficients

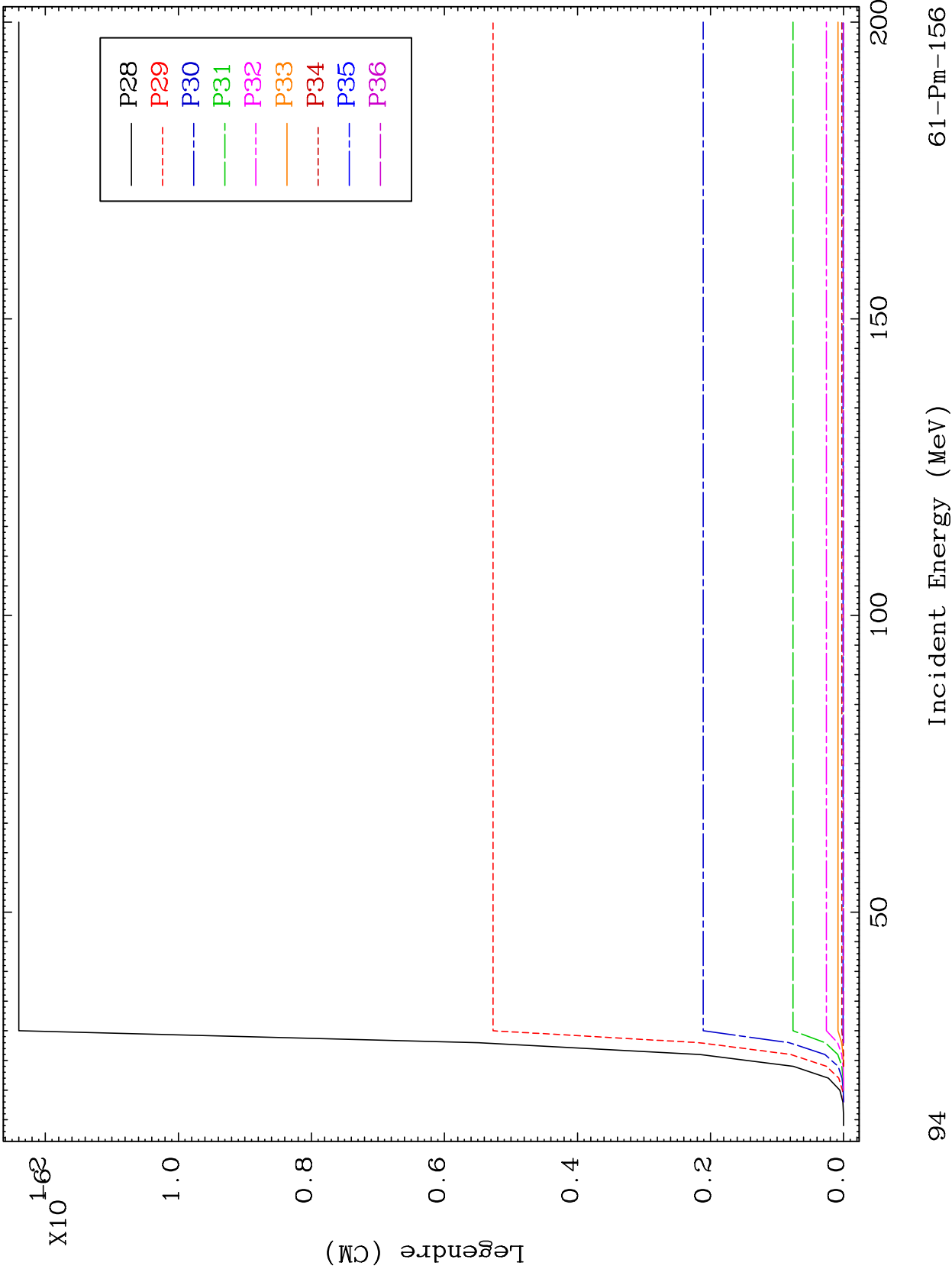
61-Pm-156



MAT 6176

MT= 72 (n,n') Level
Legendre Coefficients

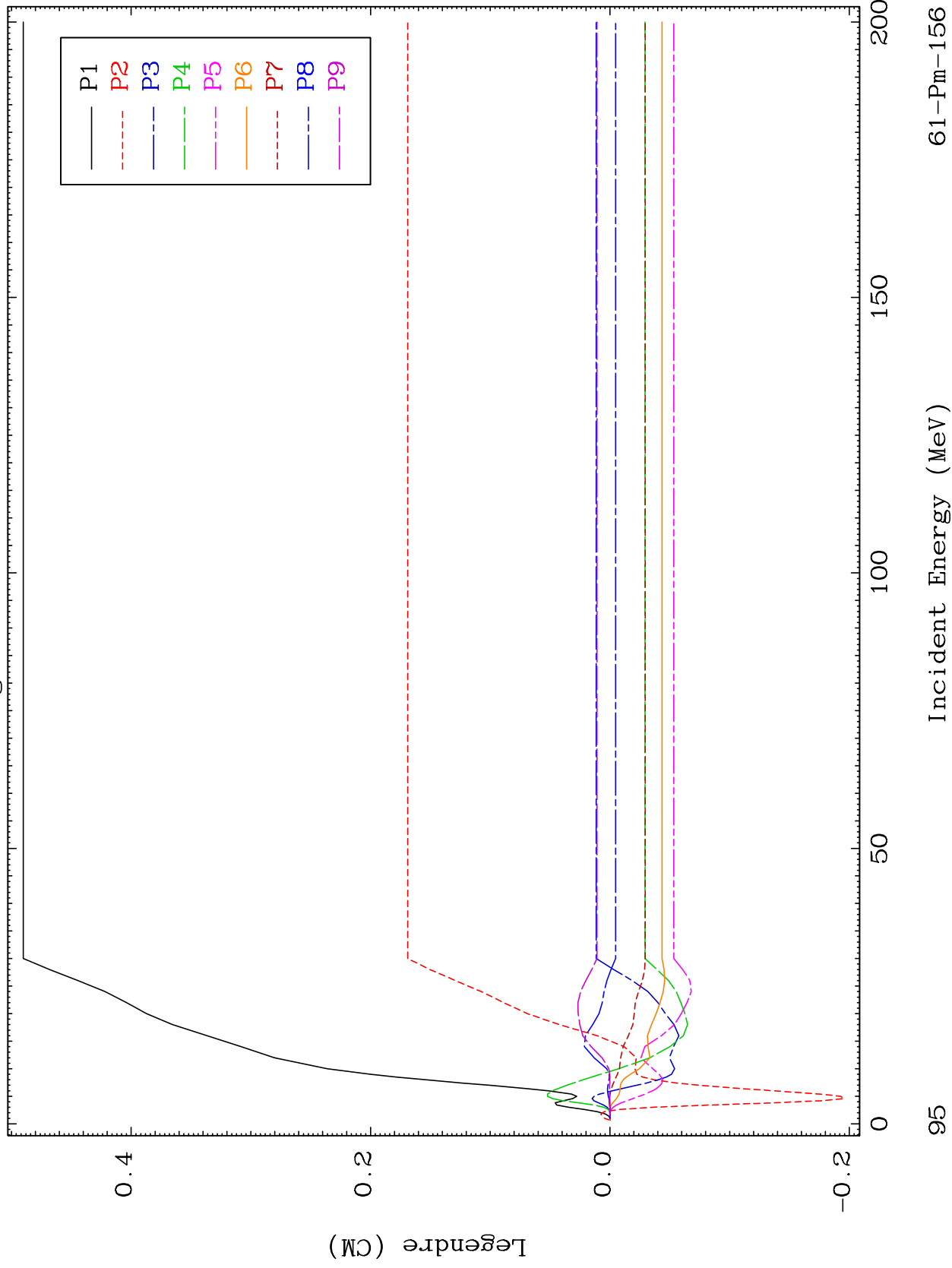
61-Pm-156



MAT 6176

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

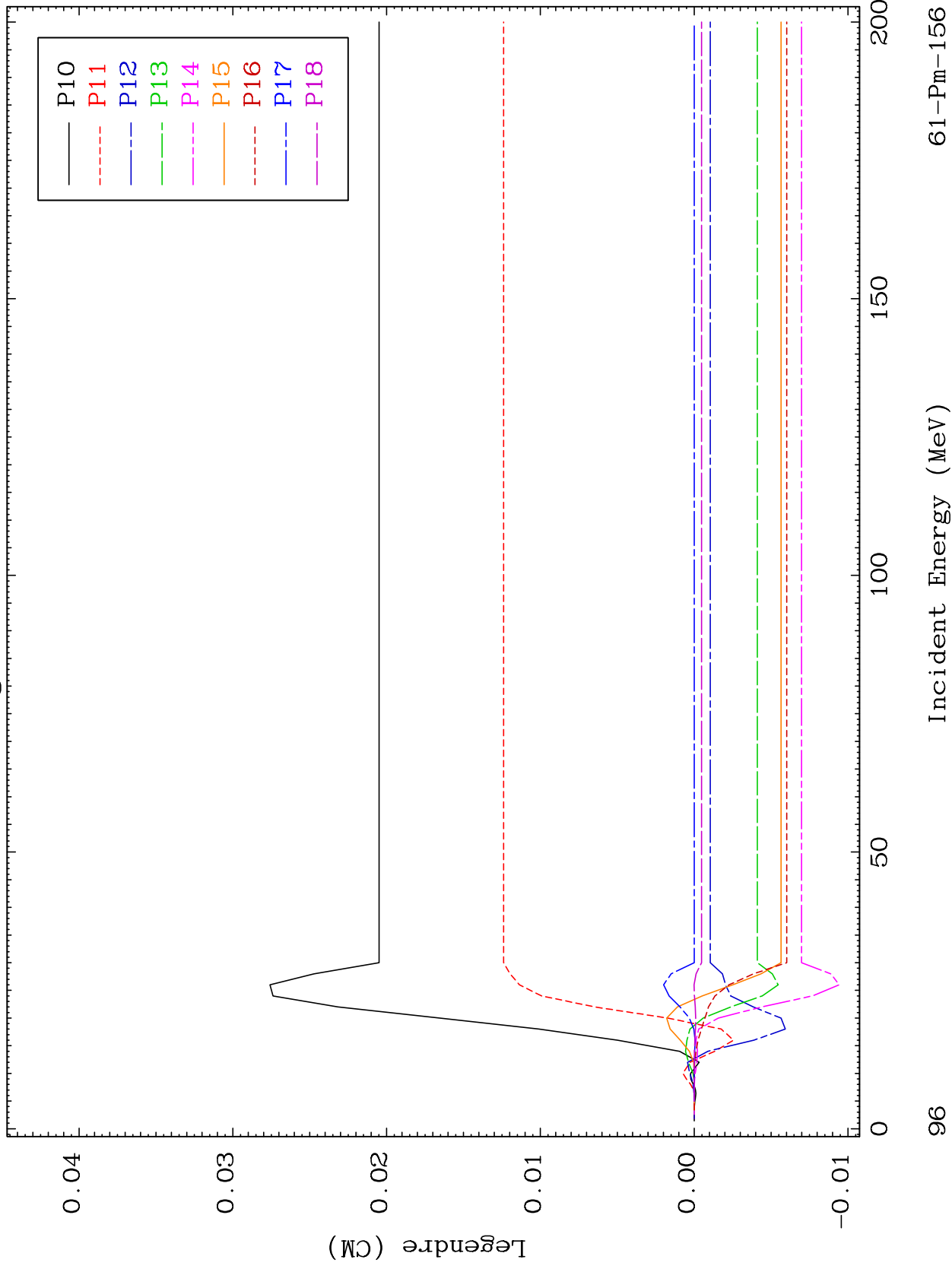
Incident Energy (MeV)

95

MAT 6176

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-156



96

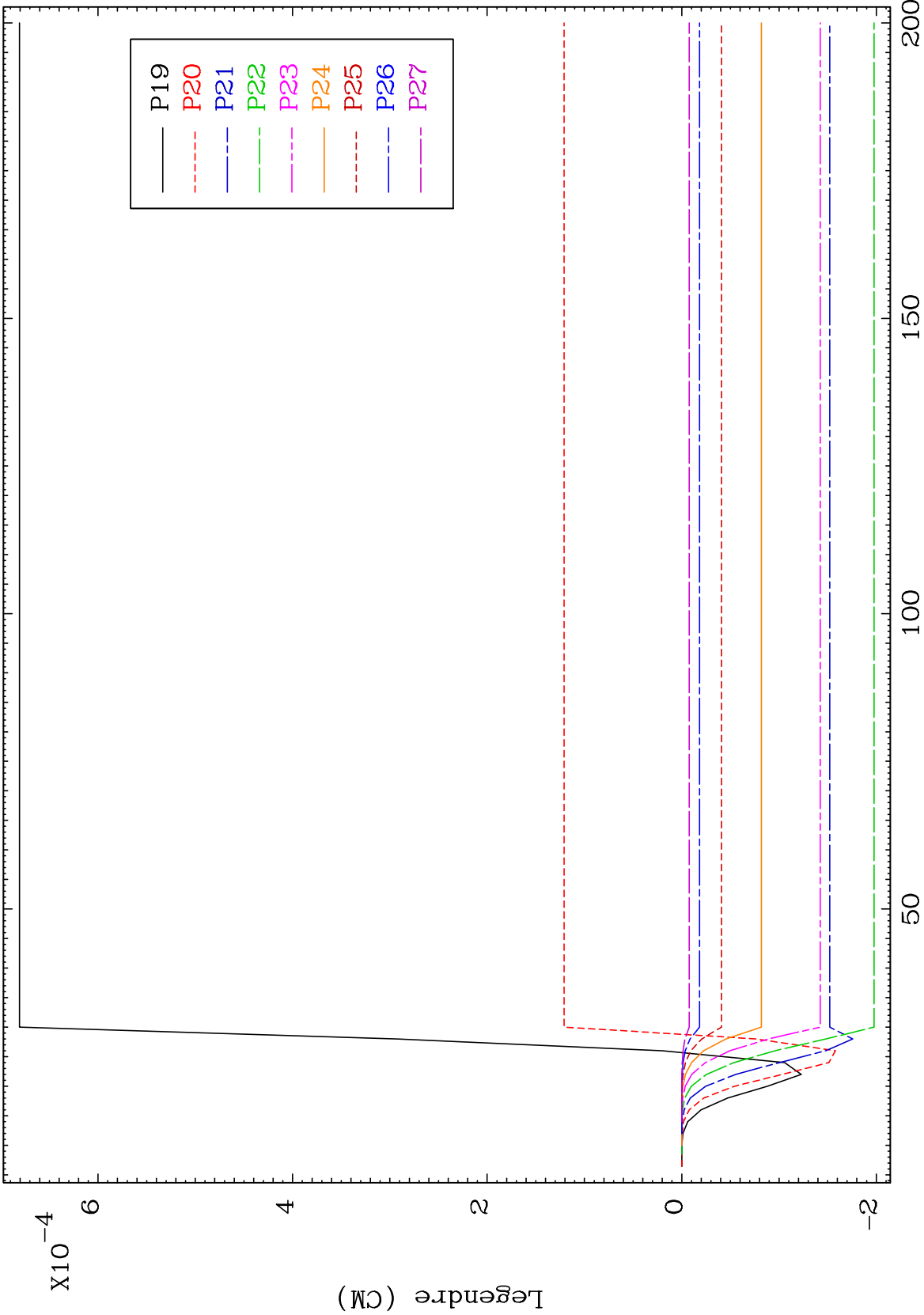
Incident Energy (MeV)

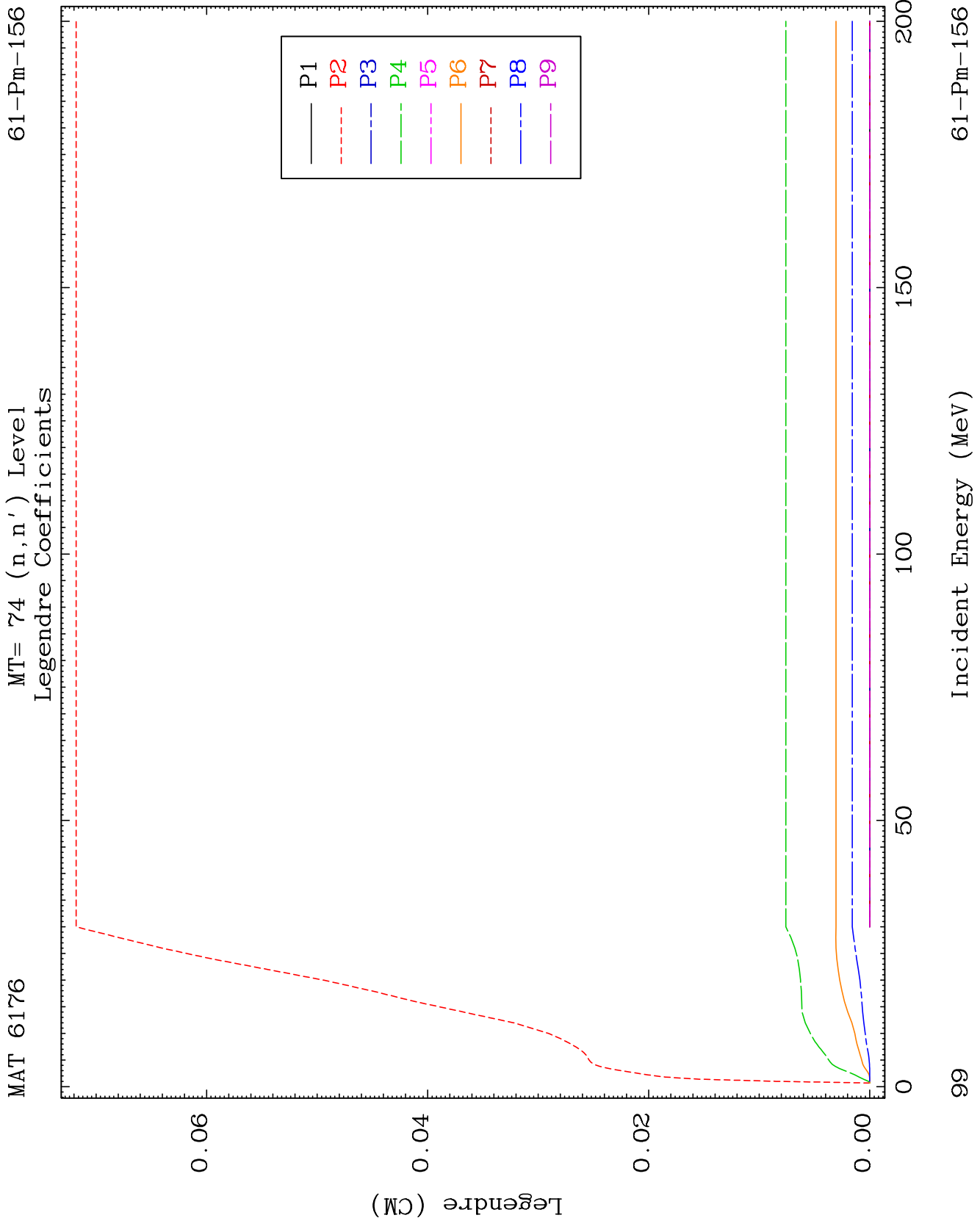
61-Pm-156

MAT 6176

MT= 73 (n,n') Level
Legendre Coefficients

61-Pm-156

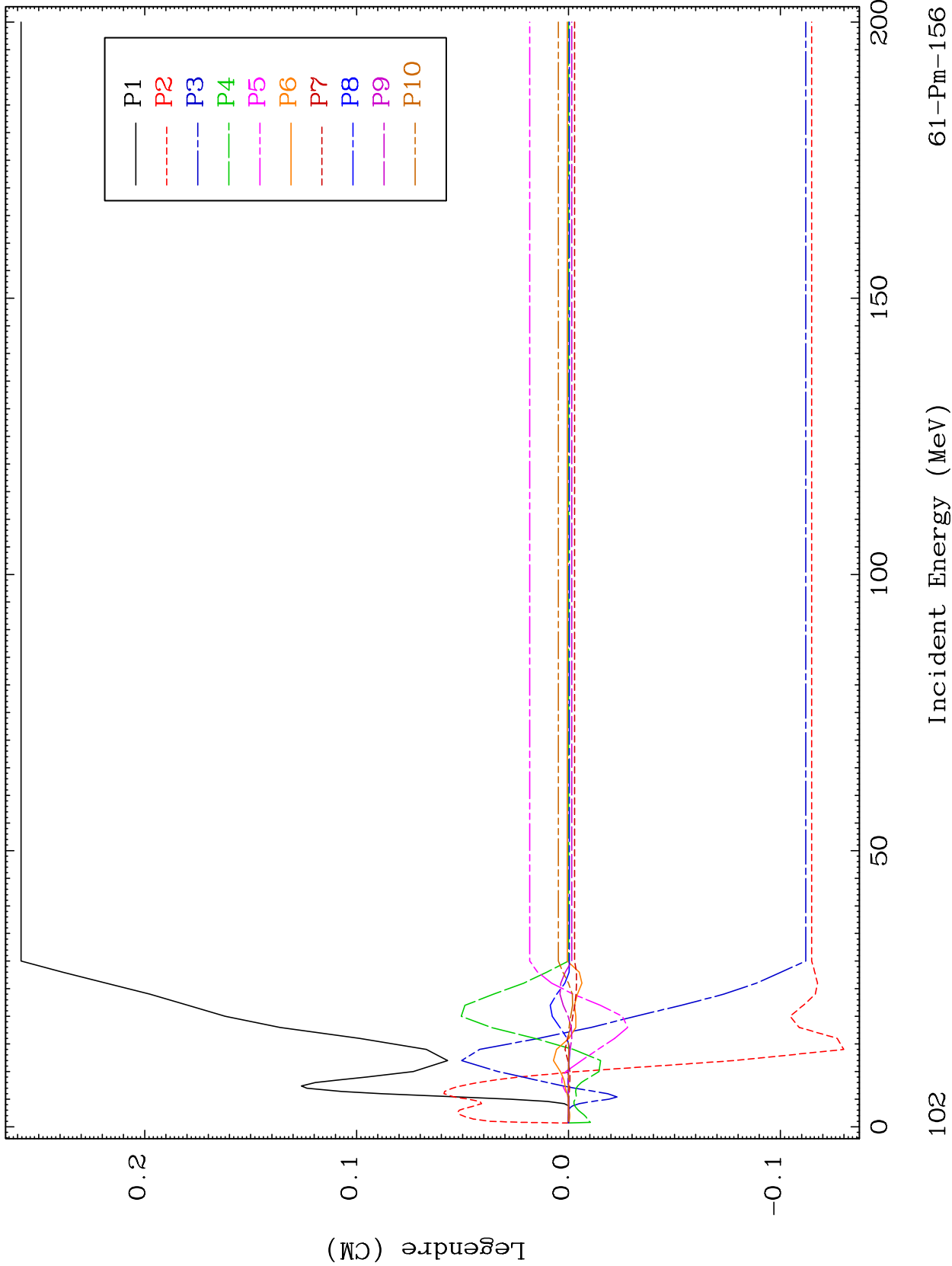




MAT 6176

MT= 75 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

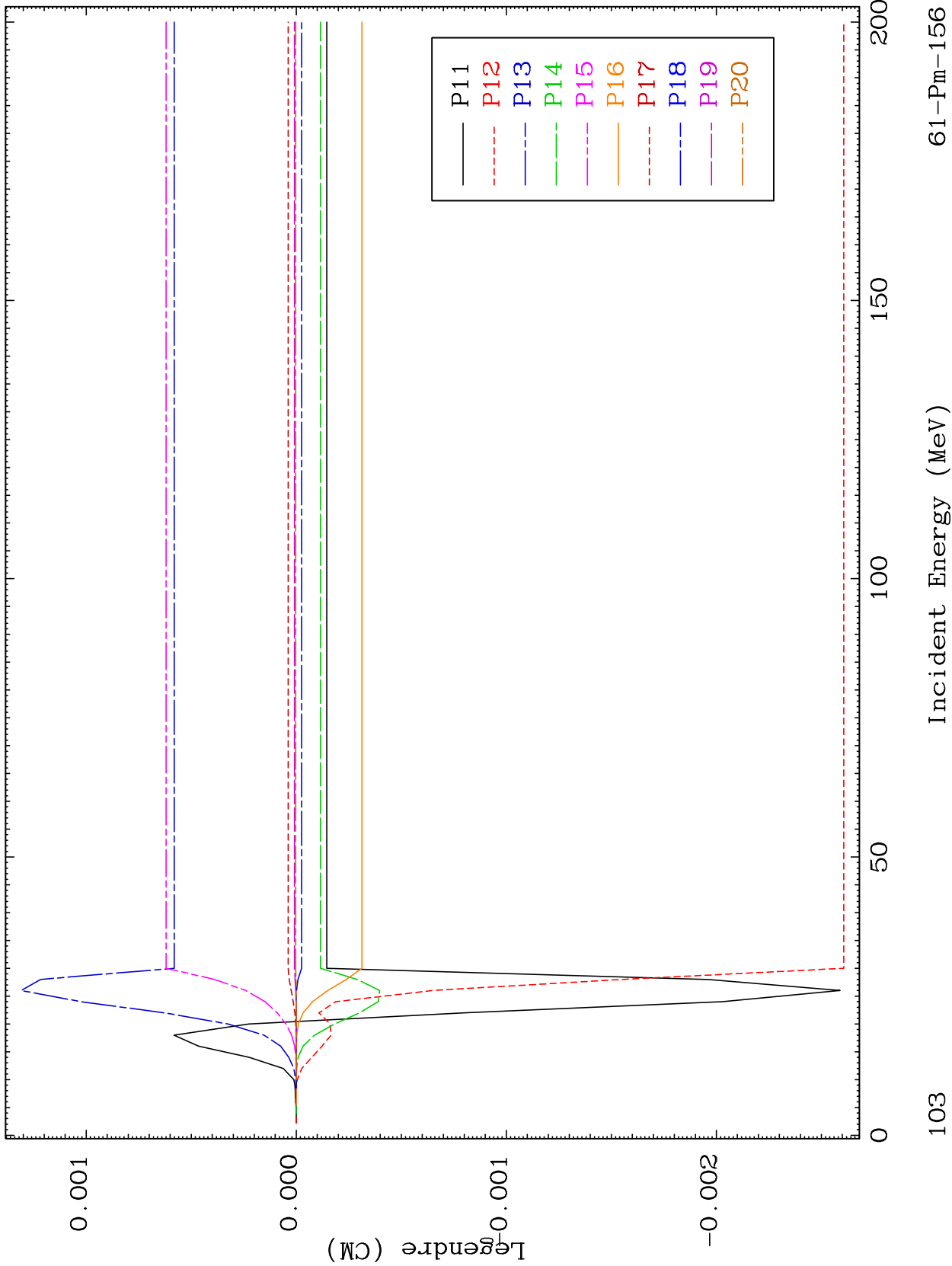
Incident Energy (MeV)

102

MAT 6176

MT= 75 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

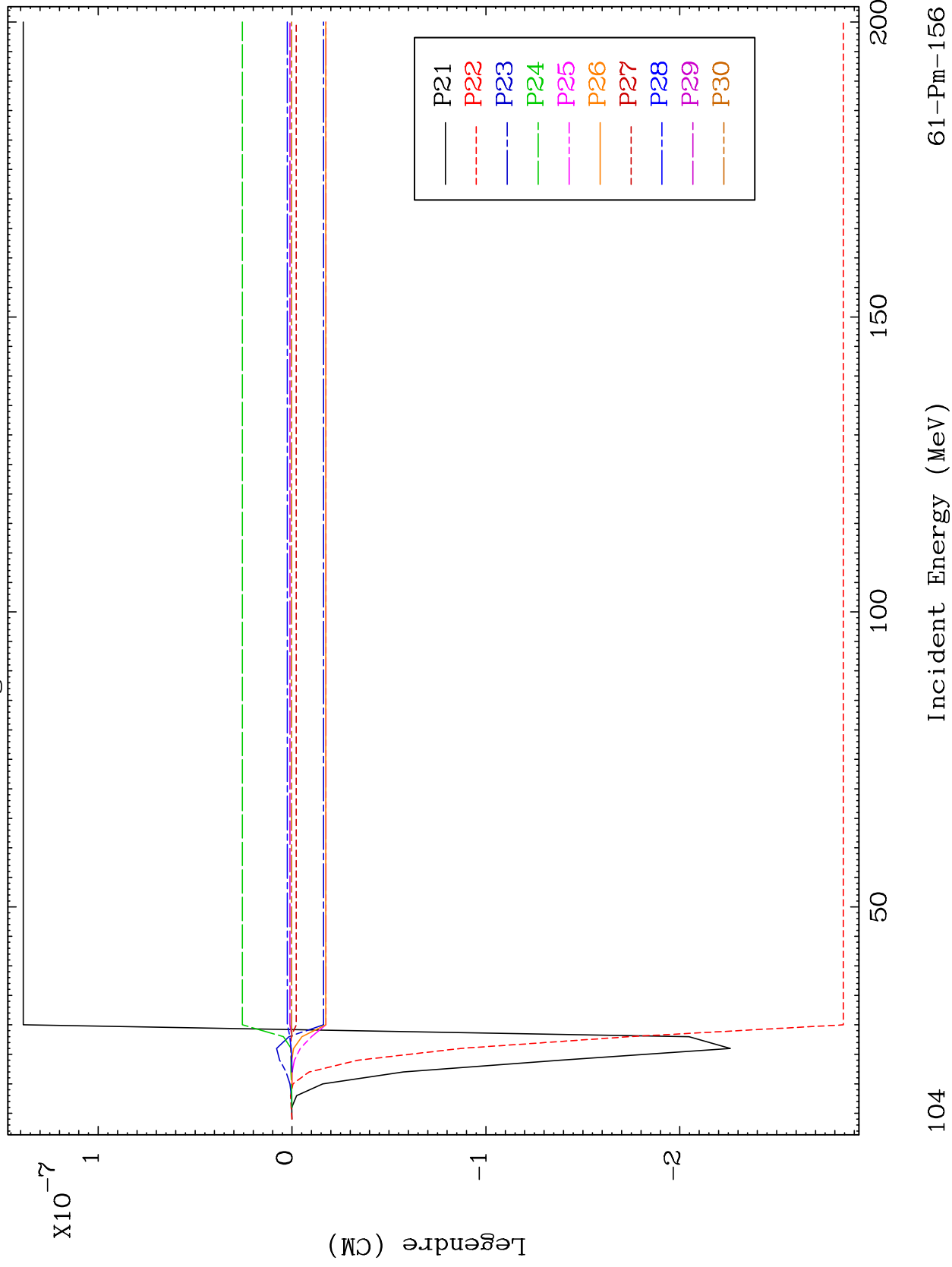
Incident Energy (MeV)

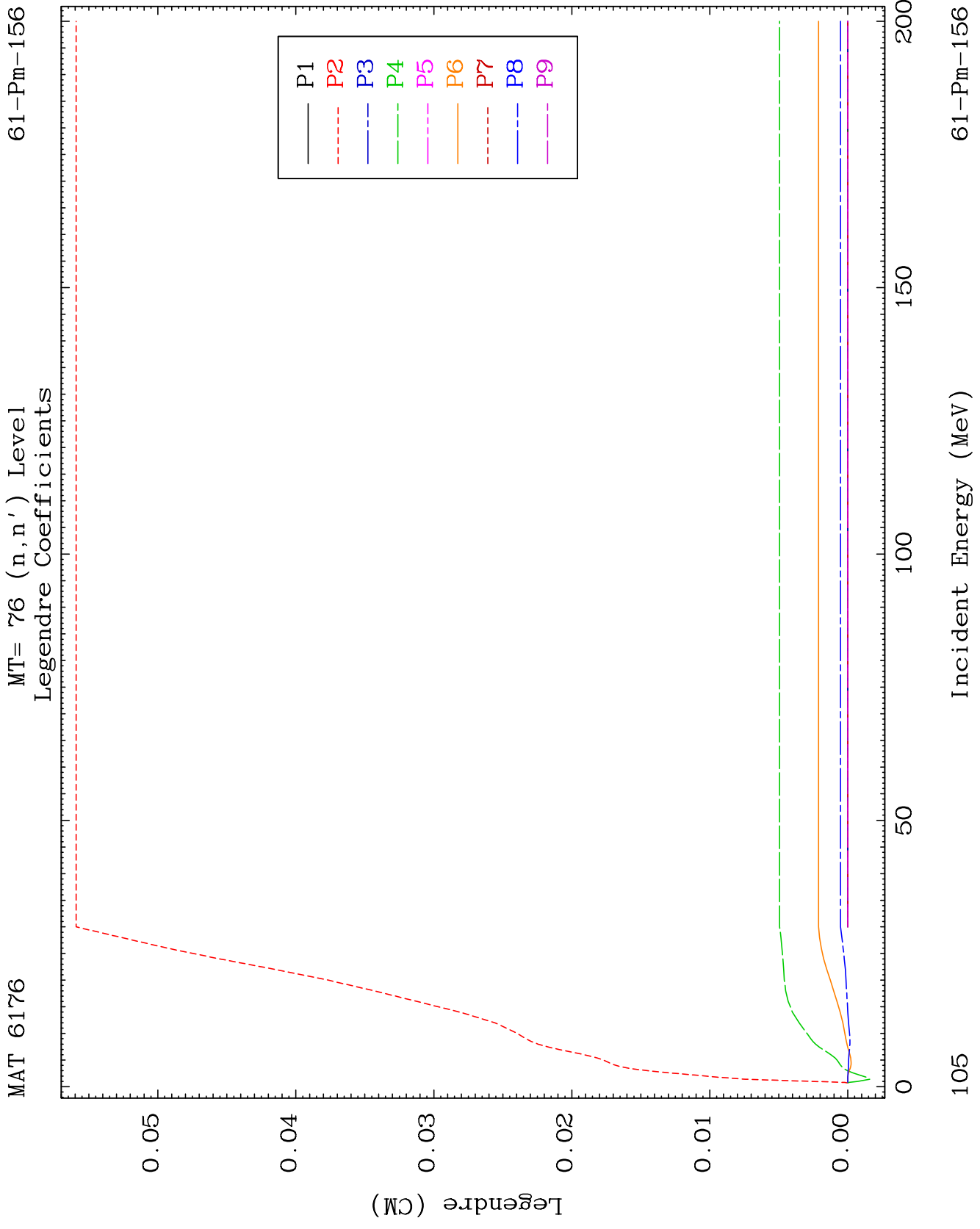
103

MAT 6176

MT= 75 (n,n') Level
Legendre Coefficients

61-Pm-156

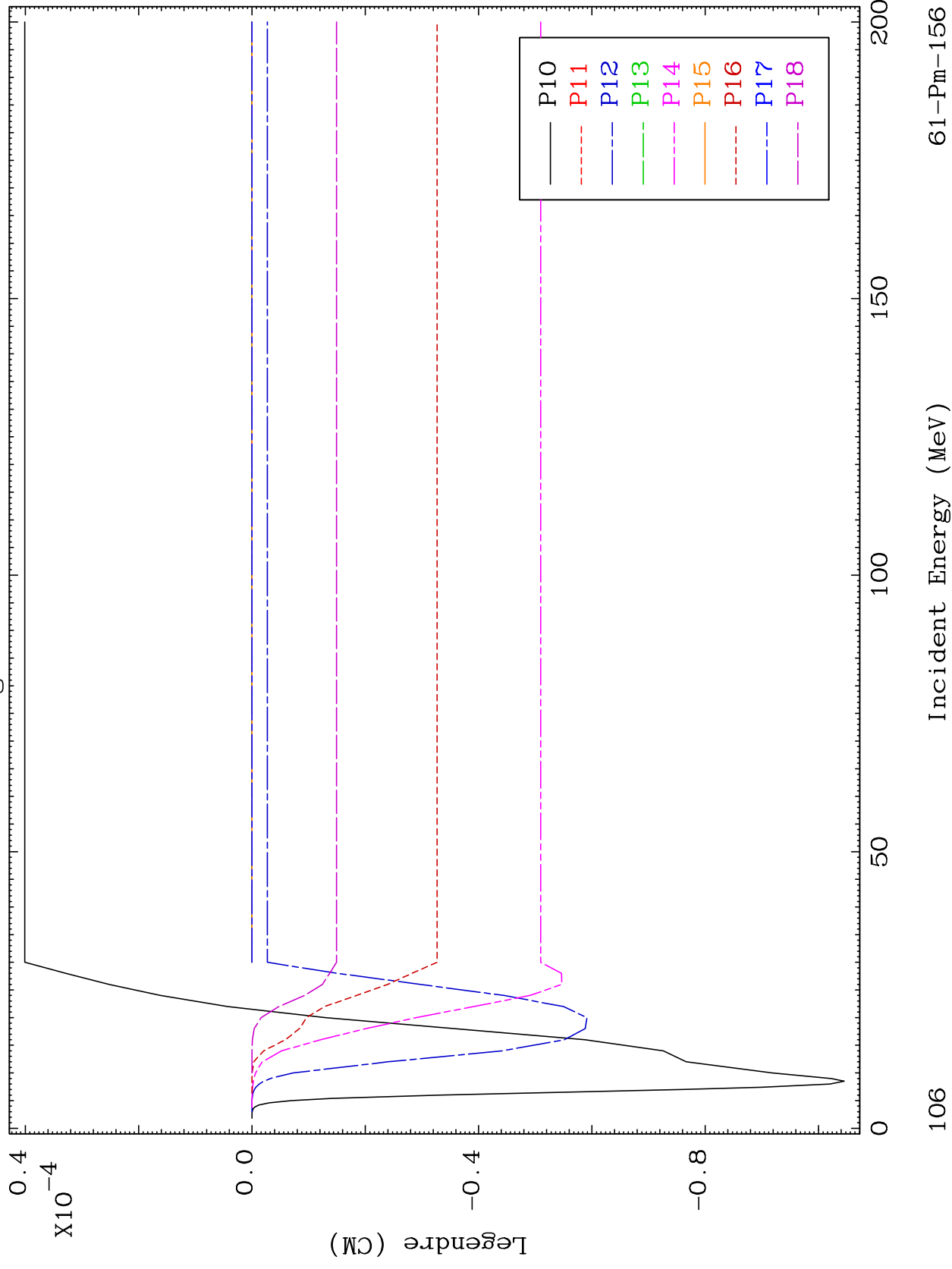




MAT 6176

MT= 76 (n,n') Level
Legendre Coefficients

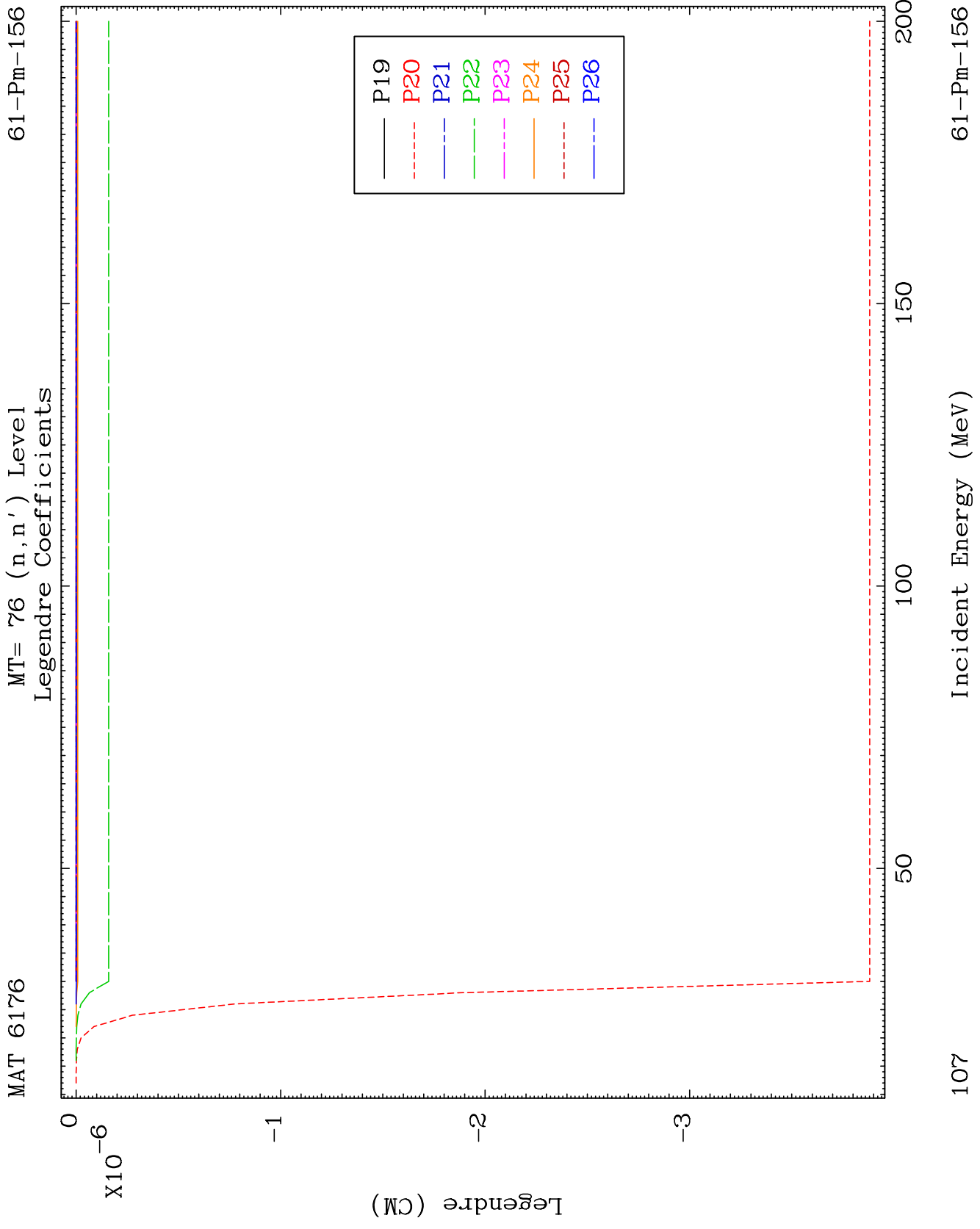
61-Pm-156



61-Pm-156

Incident Energy (MeV)

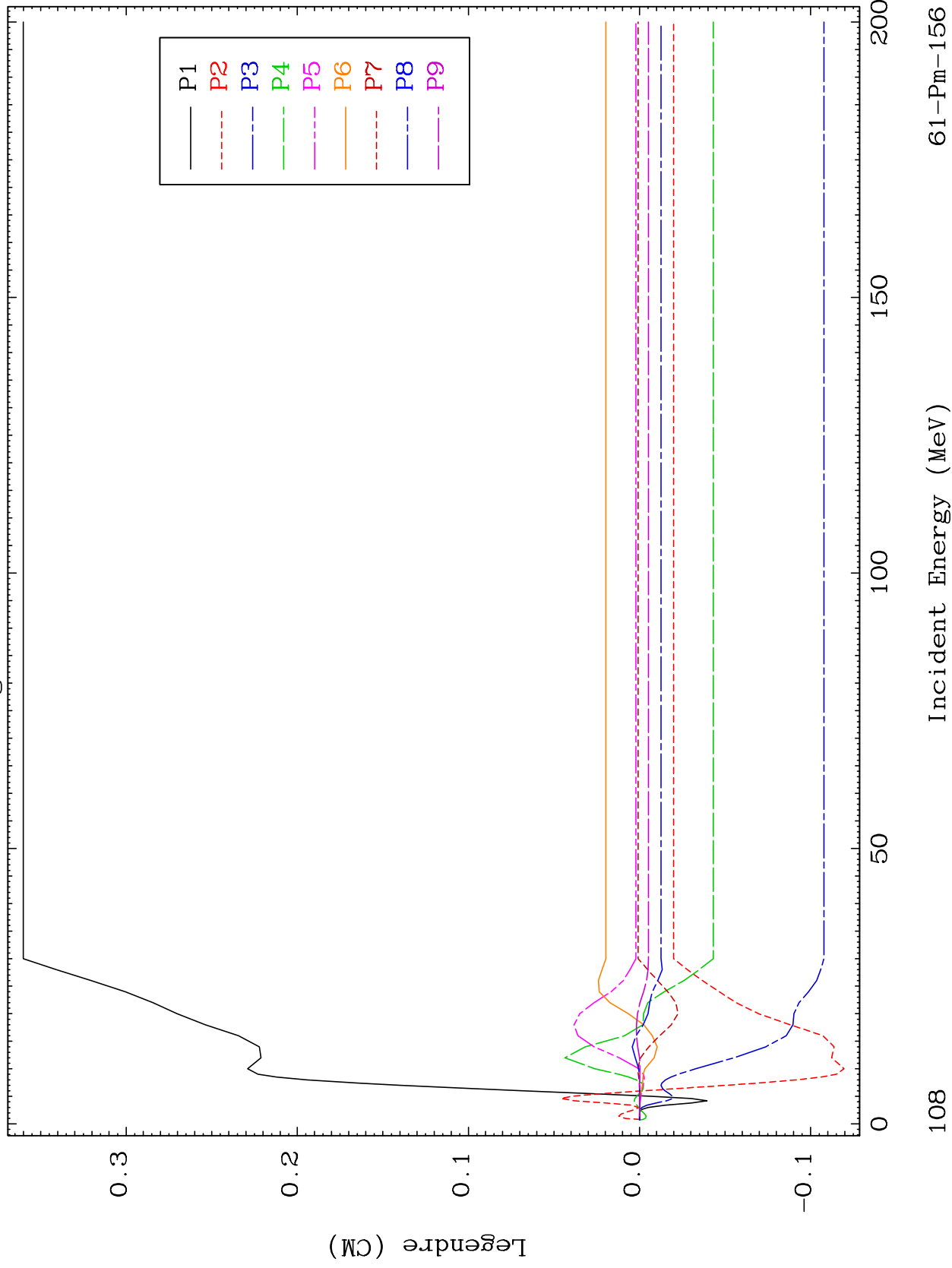
106



MAT 6176

MT= 77 (n,n') Level
Legendre Coefficients

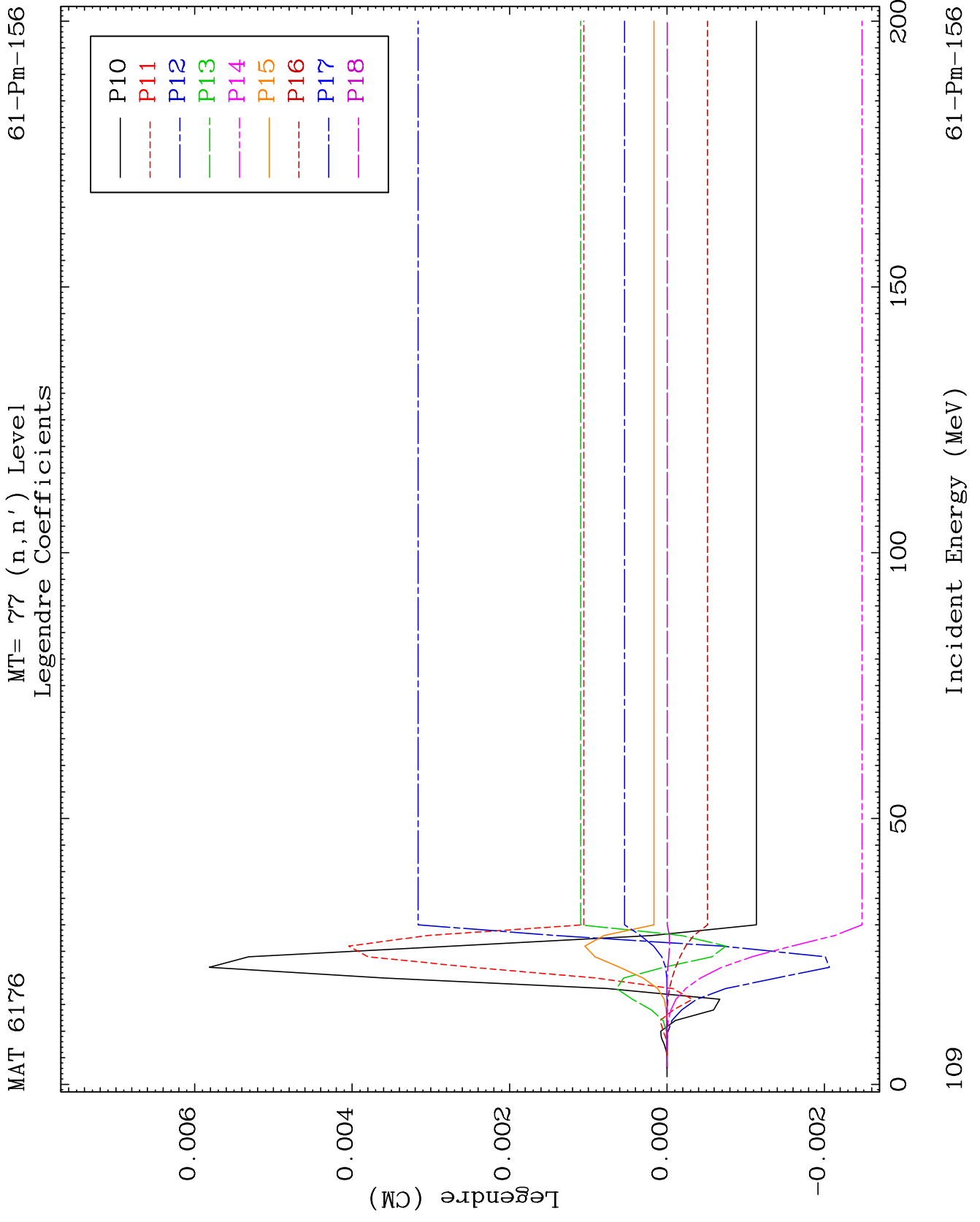
61-Pm-156



61-Pm-156

Incident Energy (MeV)

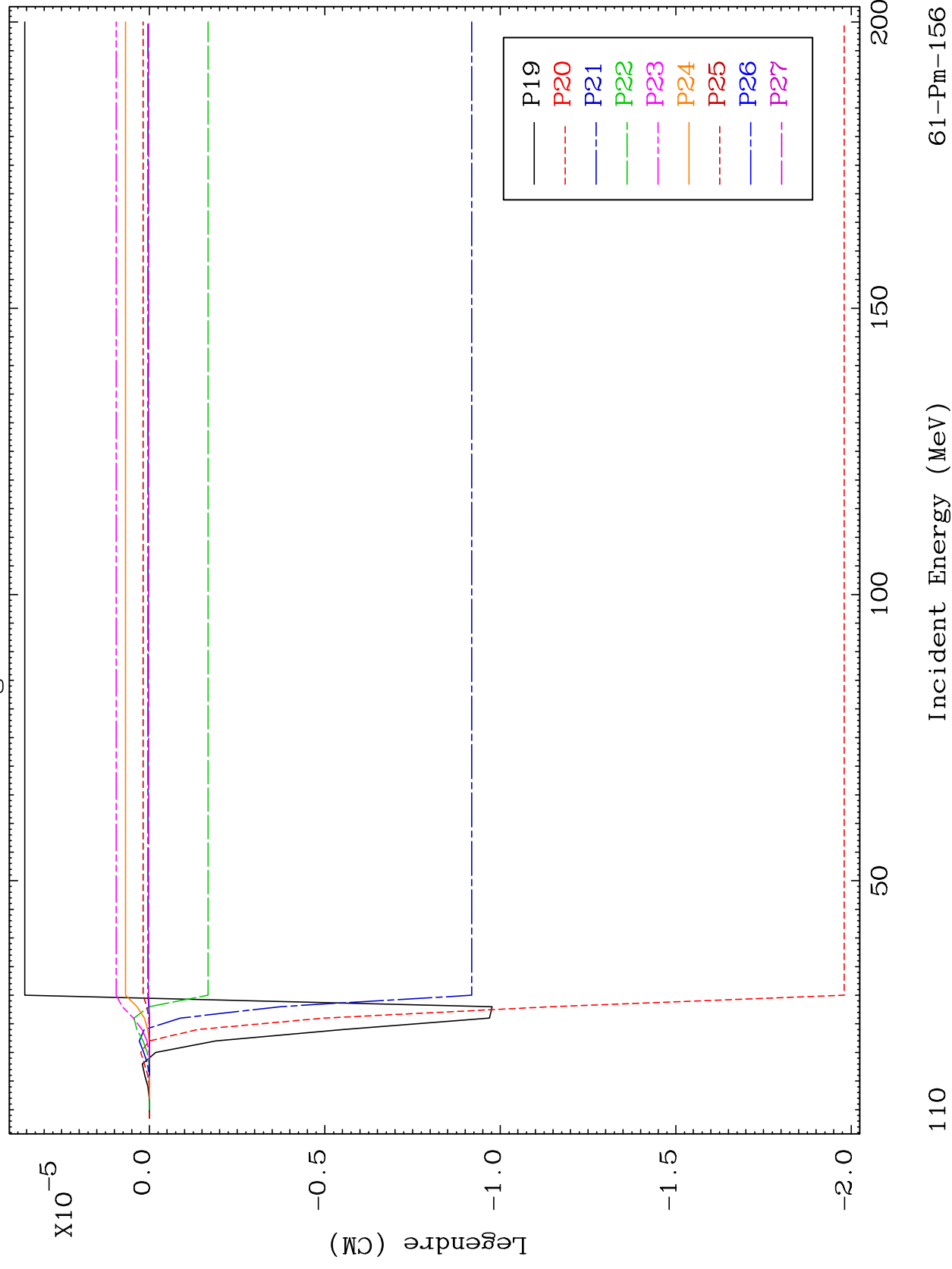
108



MAT 6176

MT= 77 (n,n') Level
Legendre Coefficients

61-Pm-156



110

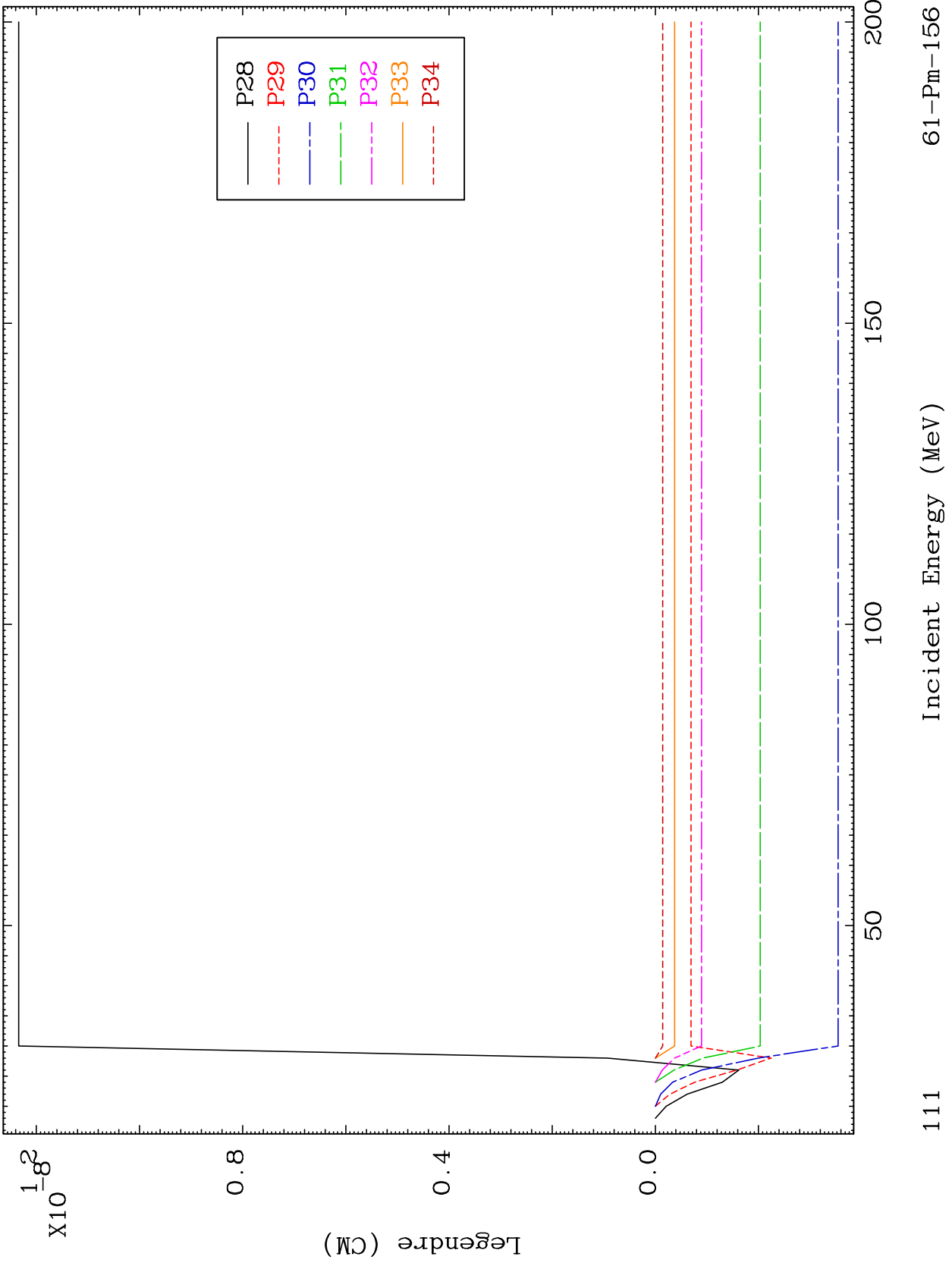
Incident Energy (MeV)

61-Pm-156

MAT 6176

MT= 77 (n,n') Level
Legendre Coefficients

61-Pm-156



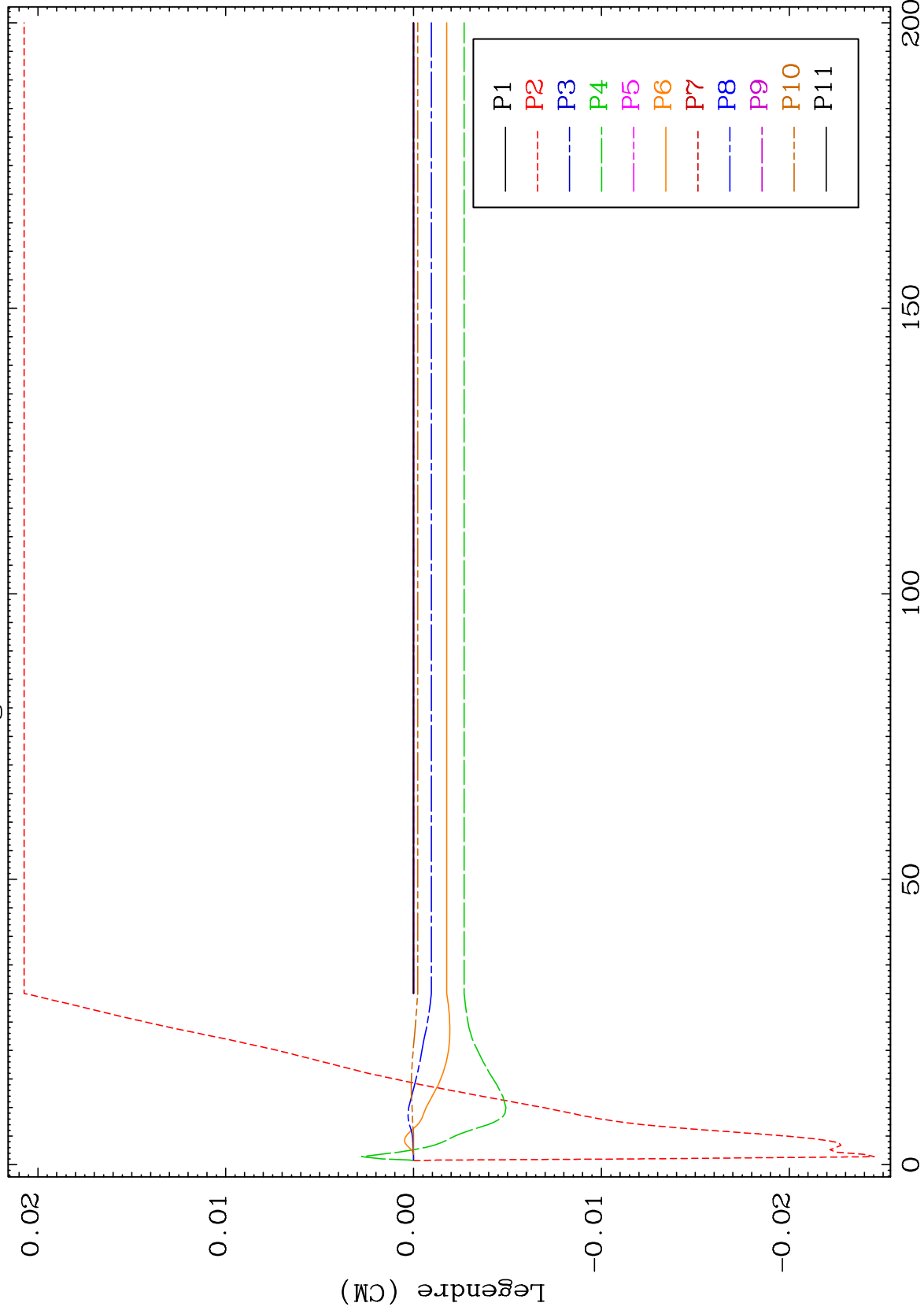
111

61-Pm-156

MAT 6176

MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-156



61-Pm-156

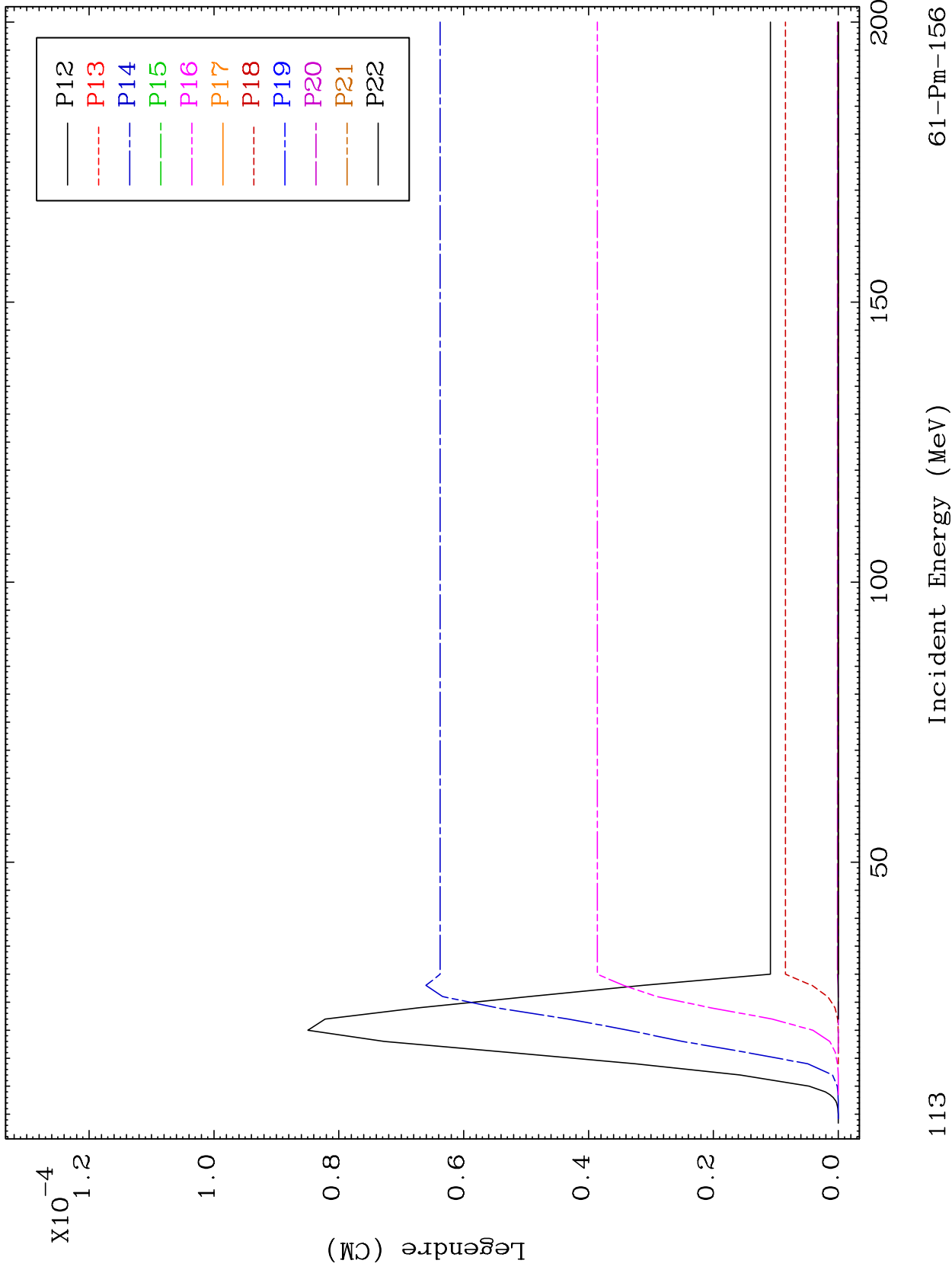
Incident Energy (MeV)

112

MAT 6176

MT= 78 (n,n') Level
Legendre Coefficients

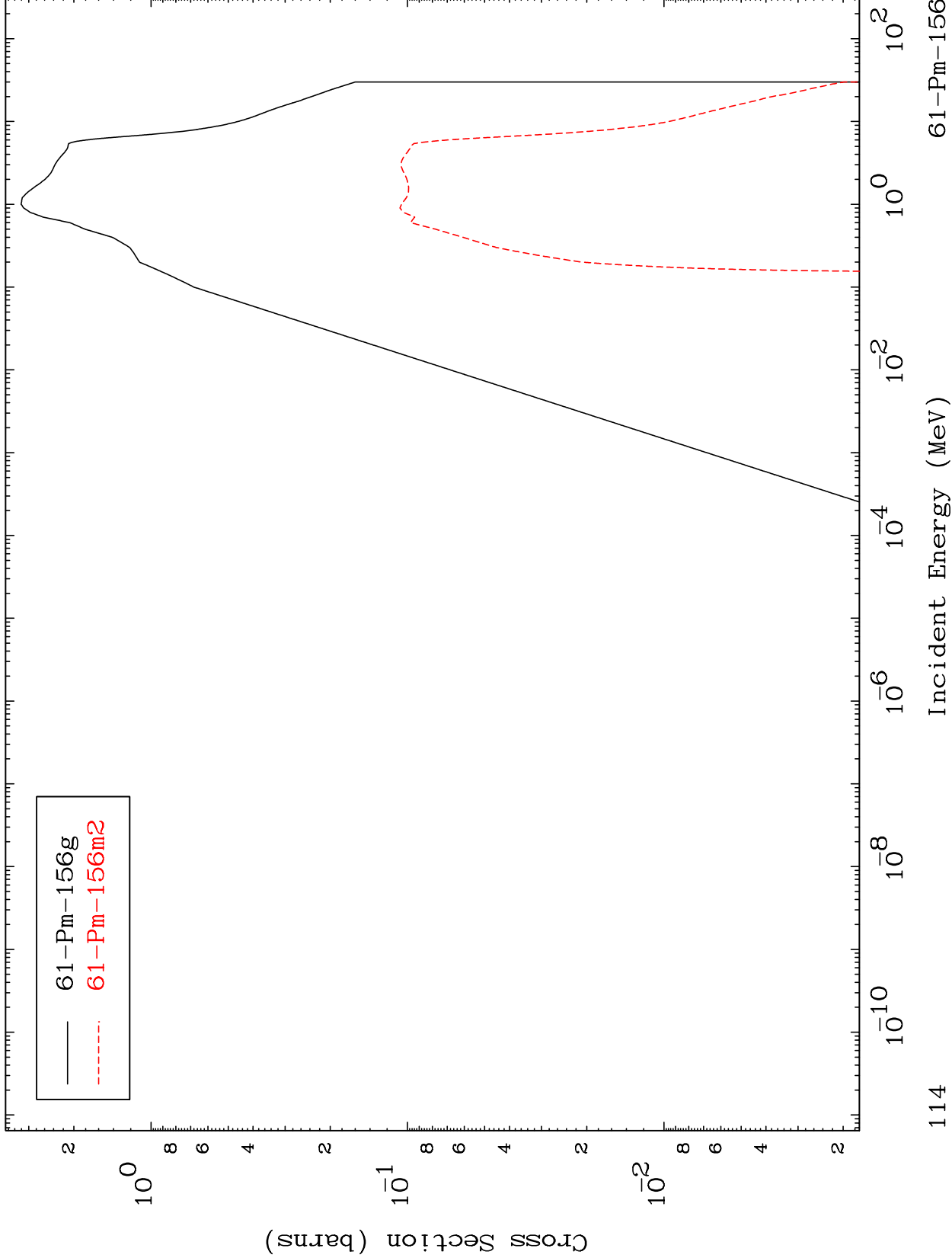
61-Pm-156



MAT 6176

Radionuclide Production Cross Section

61-Pm-156



114

61-Pm-156