

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

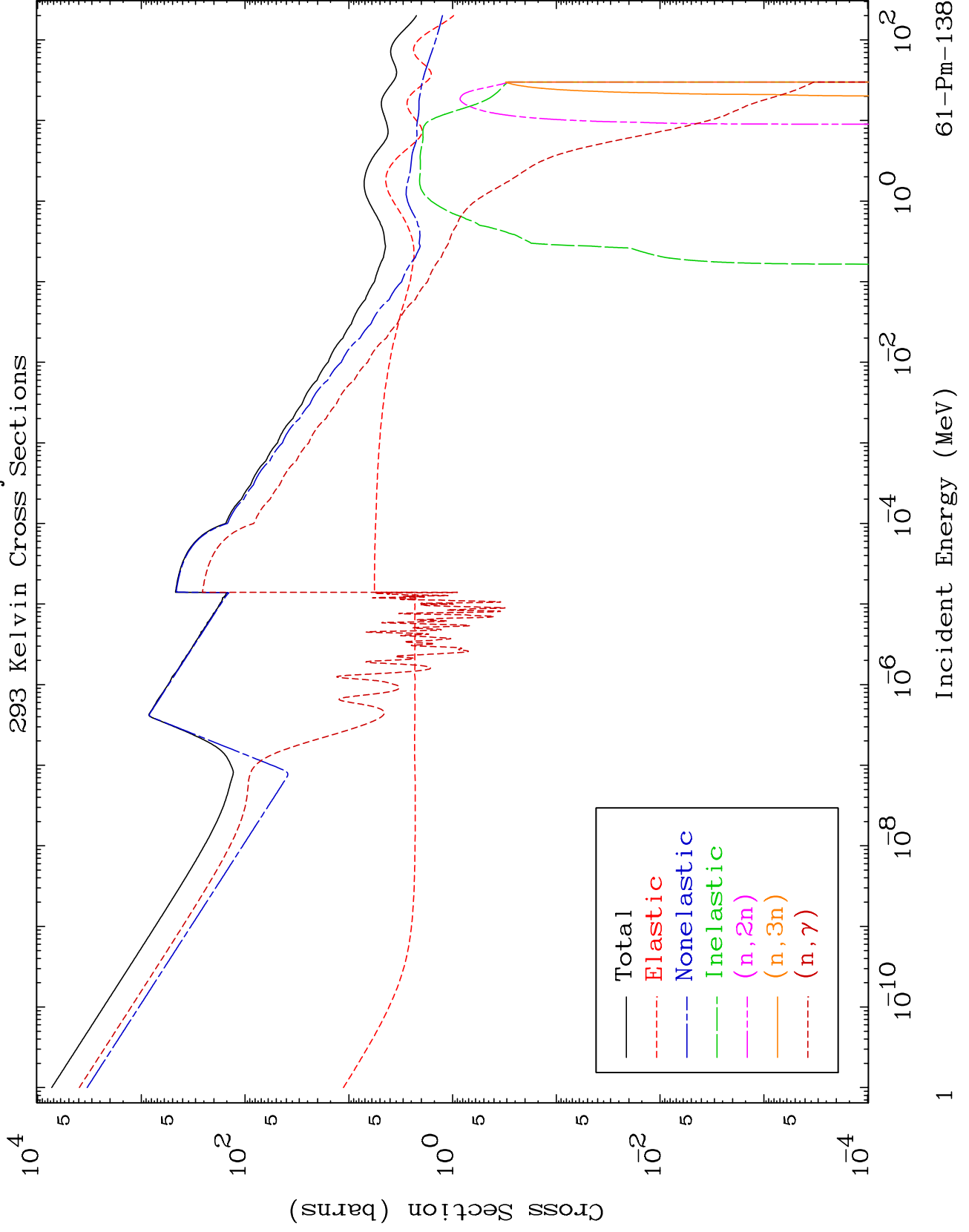
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Press Mouse Button to Start

MAT 6122

Neutron Major
293 Kelvin Cross Sections

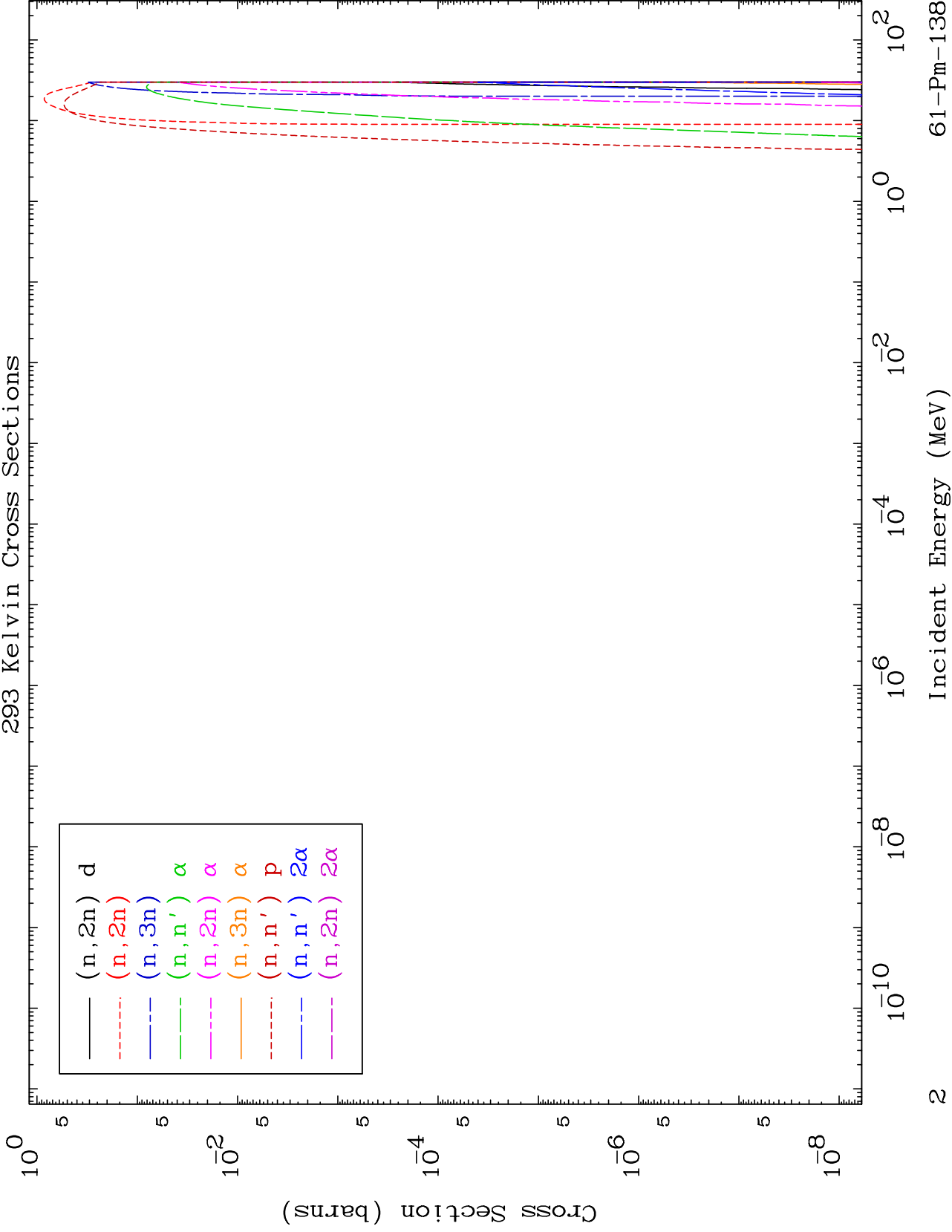
61-Pm-138

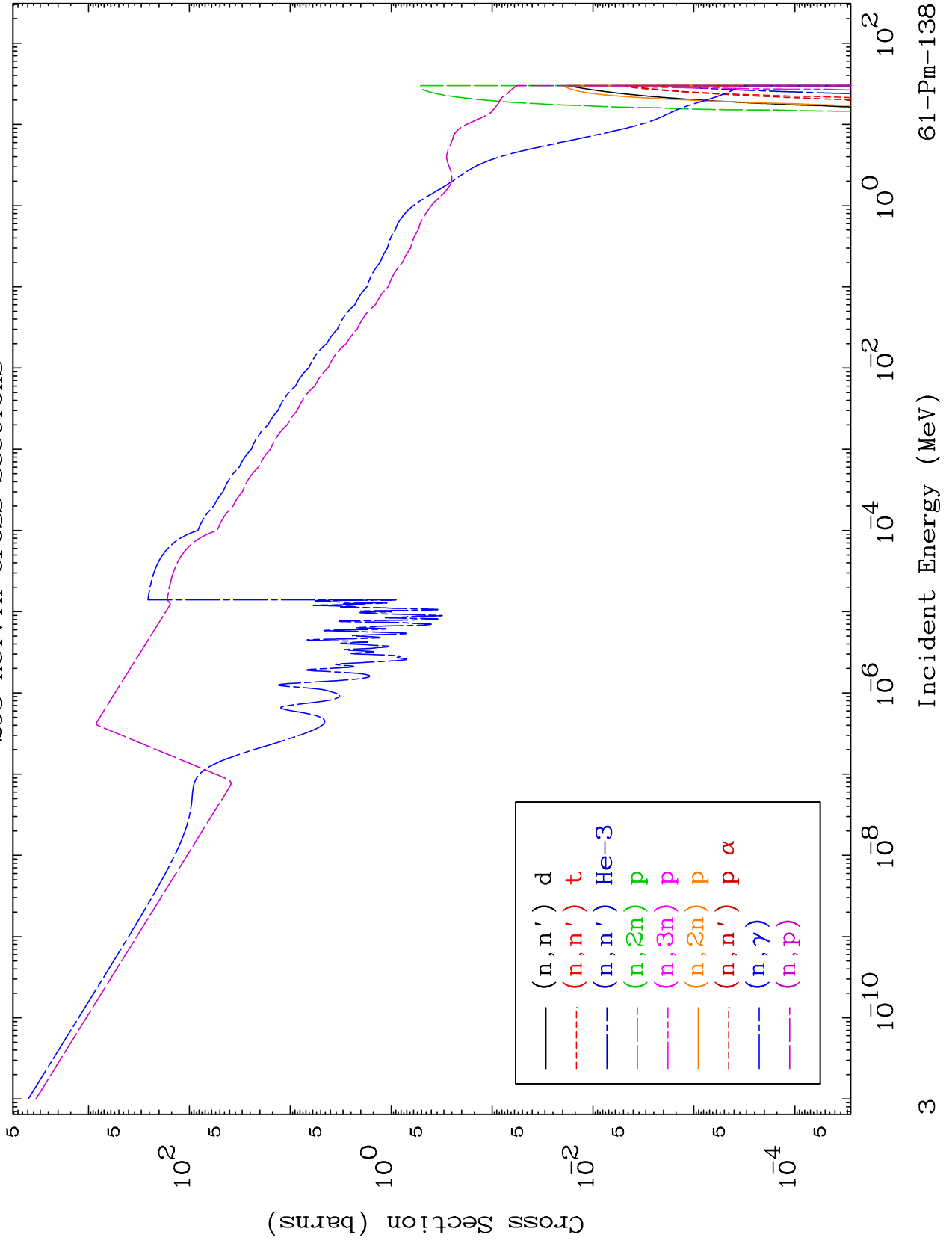


MAT 6122

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-138

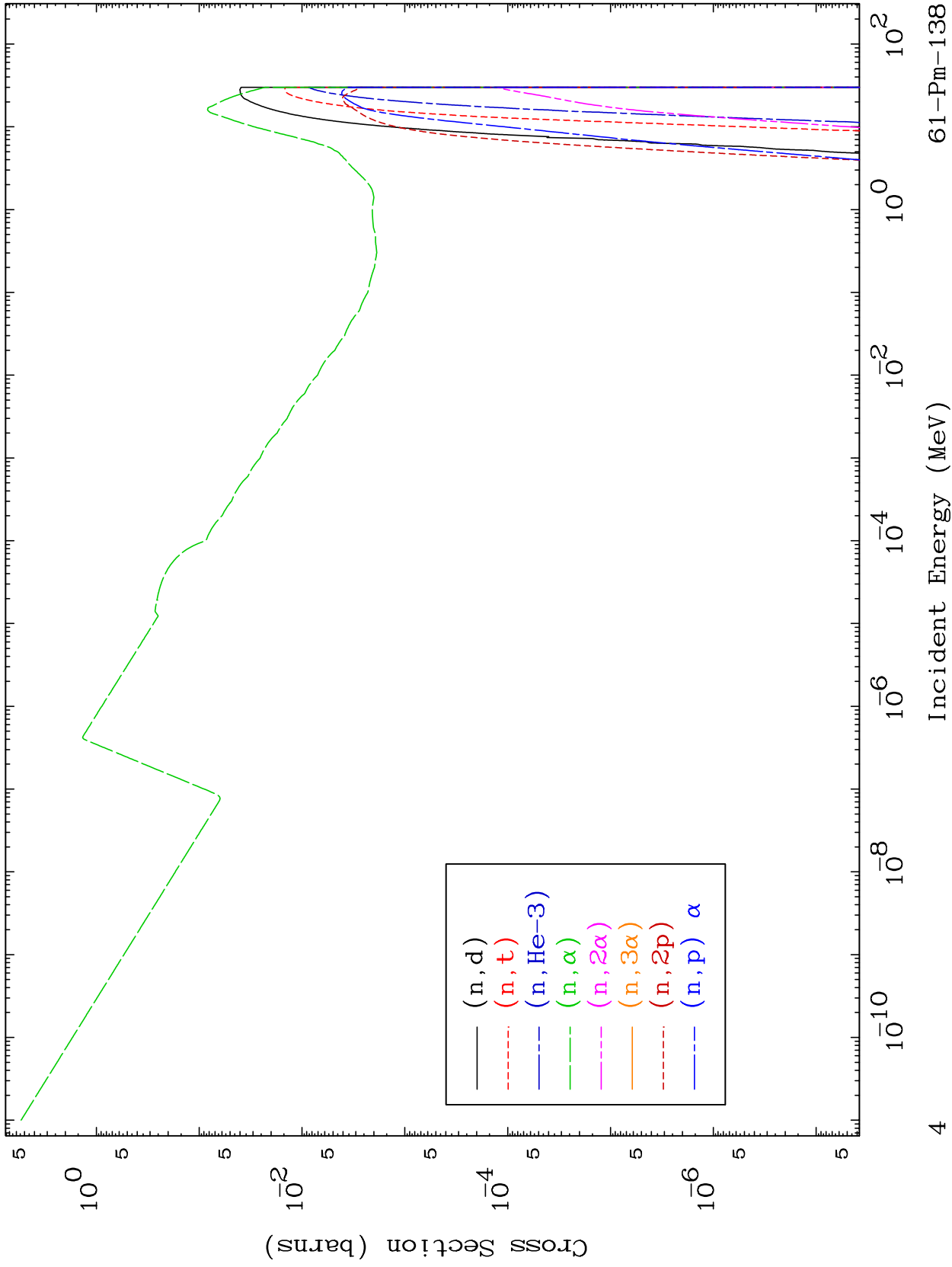




MAT 6122

Neutron Absorption
293 Kelvin Cross Sections

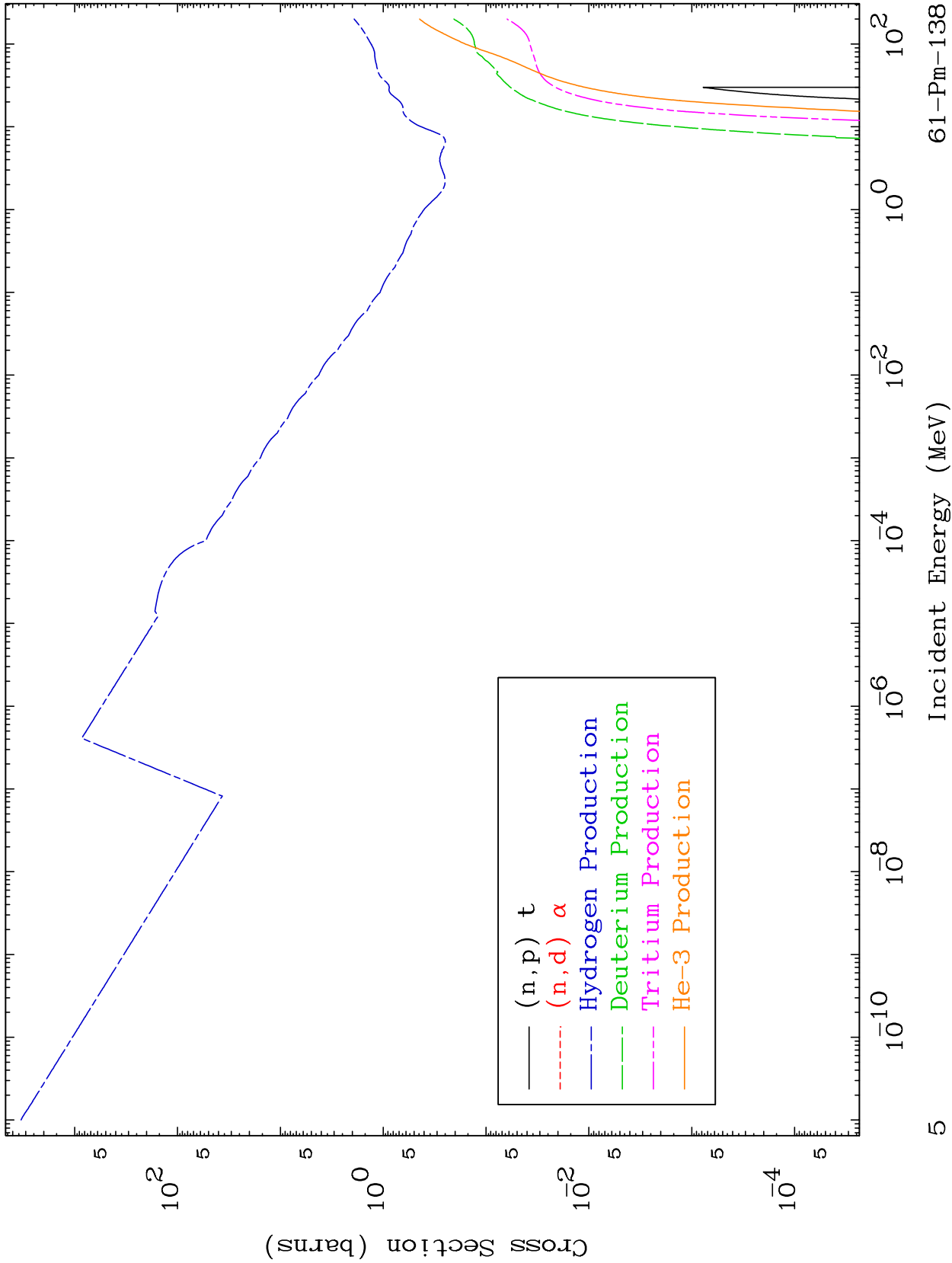
61-Pm-138



MAT 6122

Neutron Absorption
293 Kelvin Cross Sections

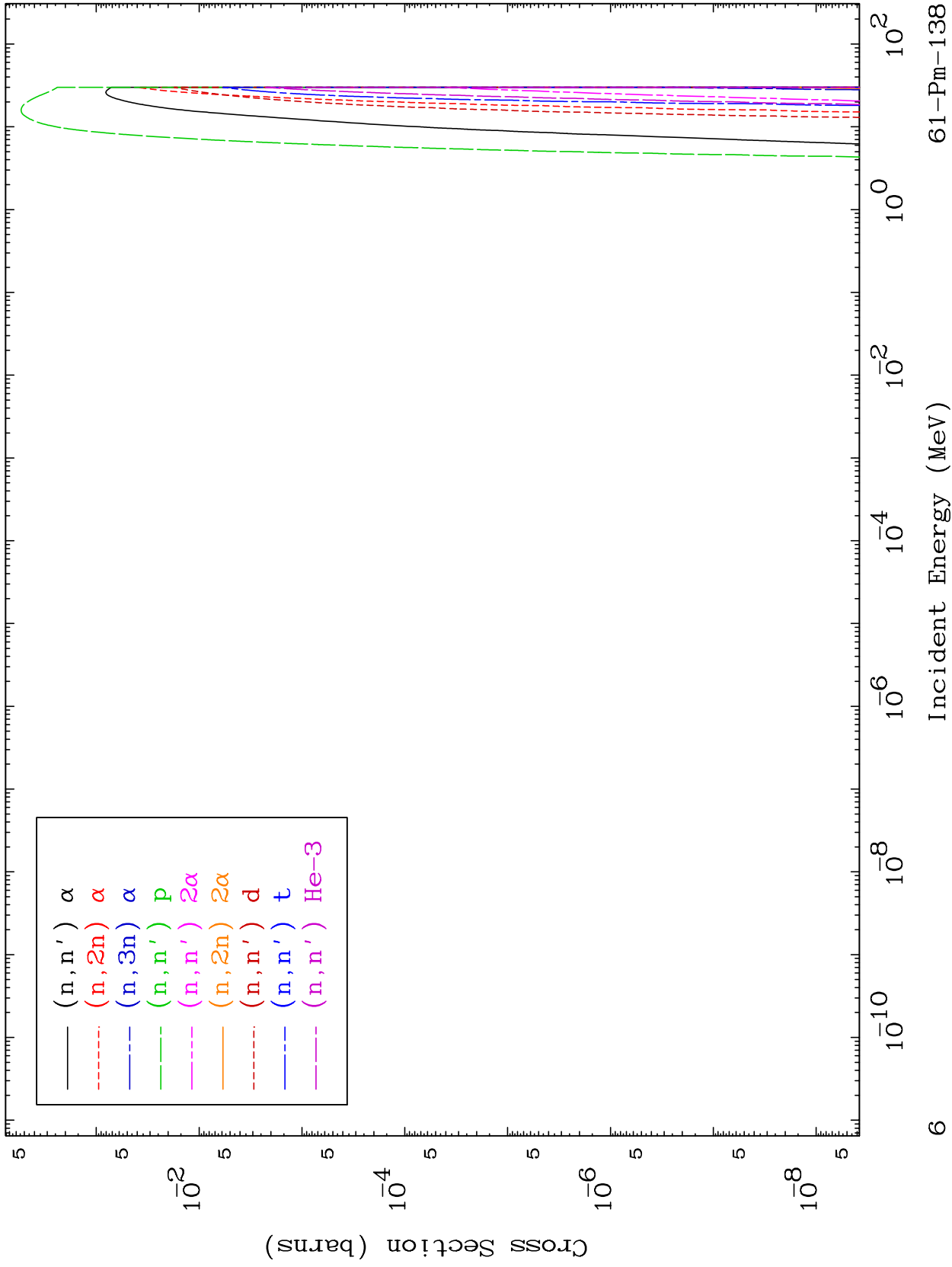
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MAT 6122

Charged Particle
293 Kelvin Cross Sections

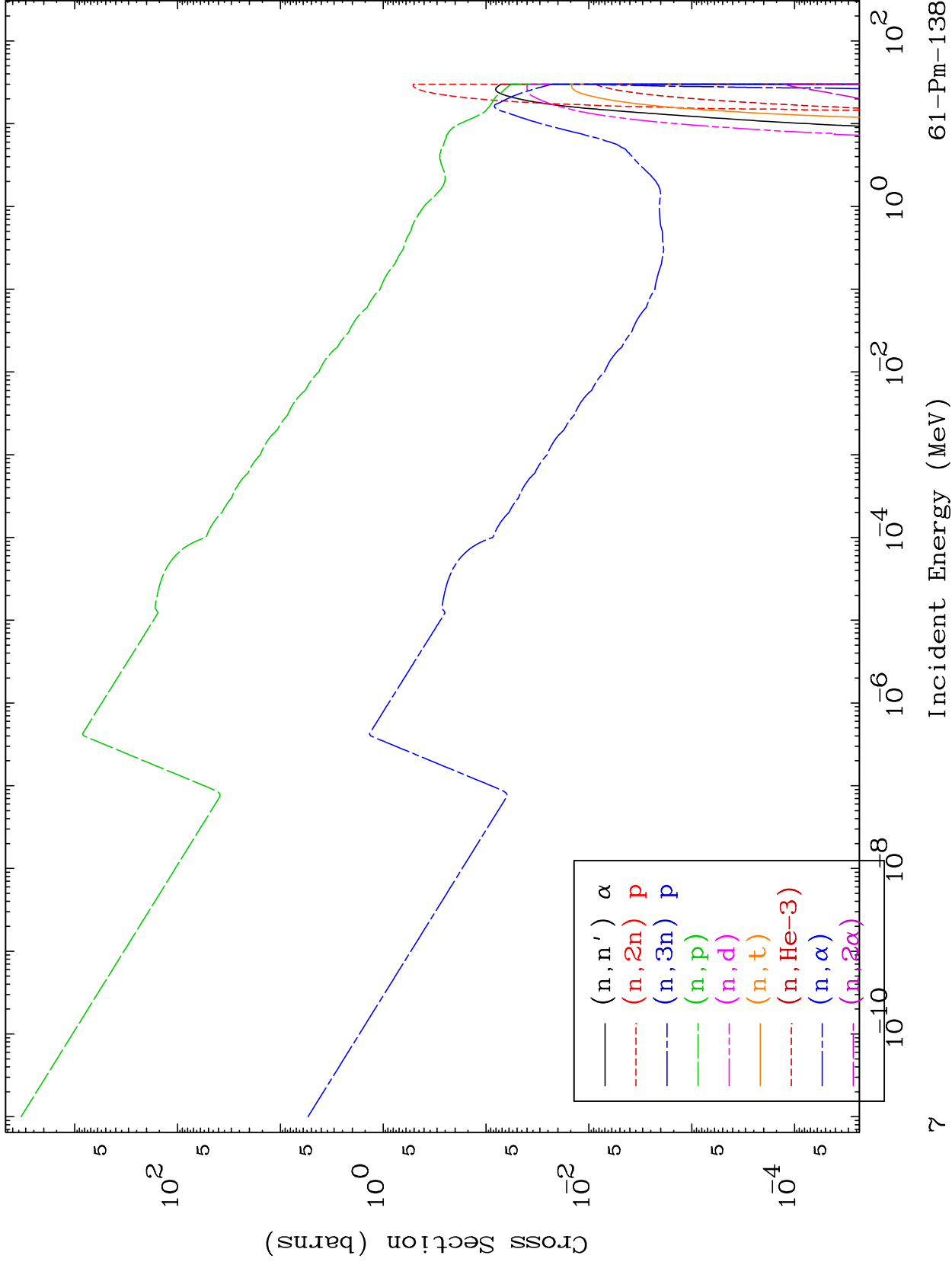
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MAT 6122

Charged Particle
293 Kelvin Cross Sections

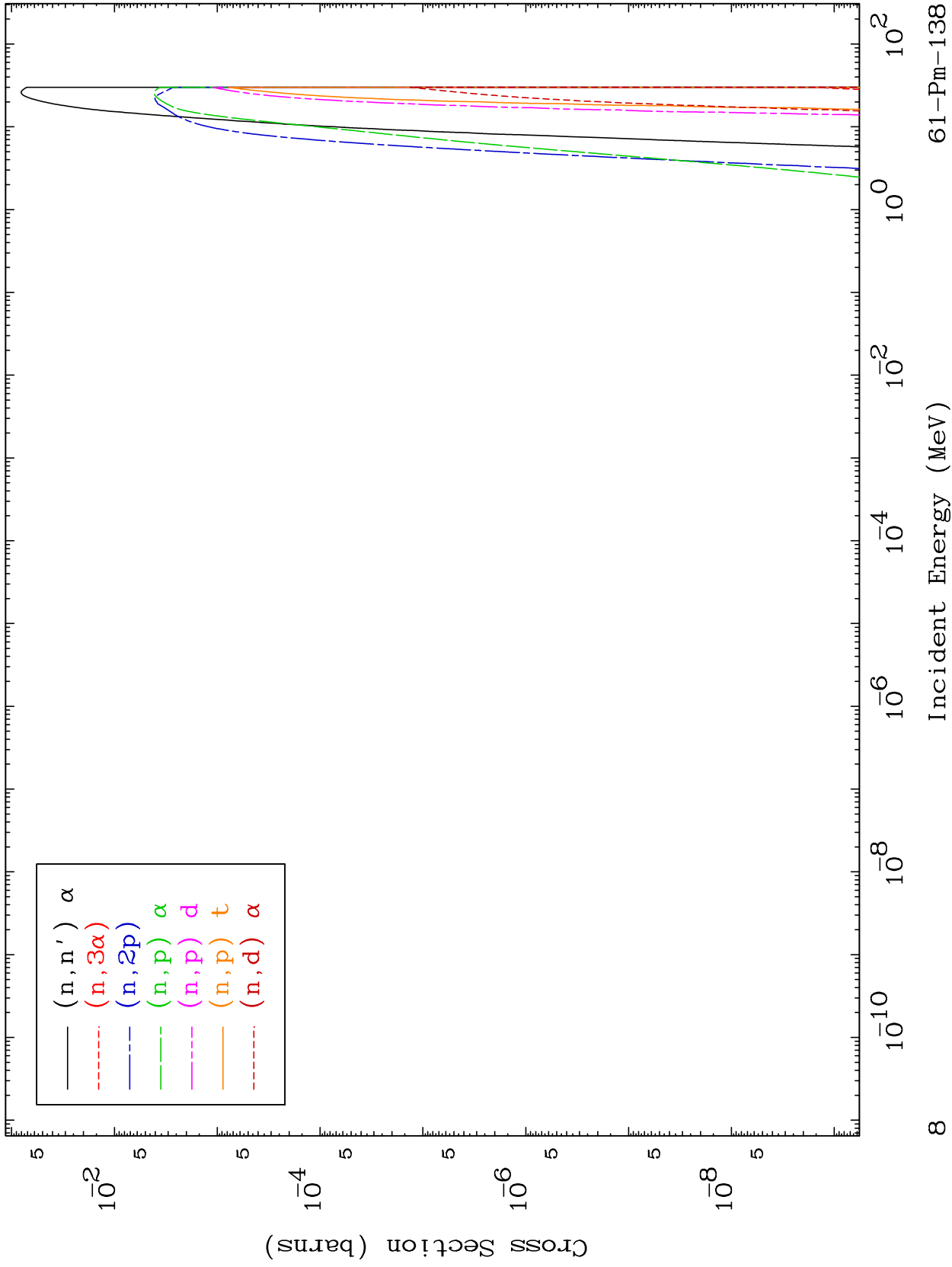
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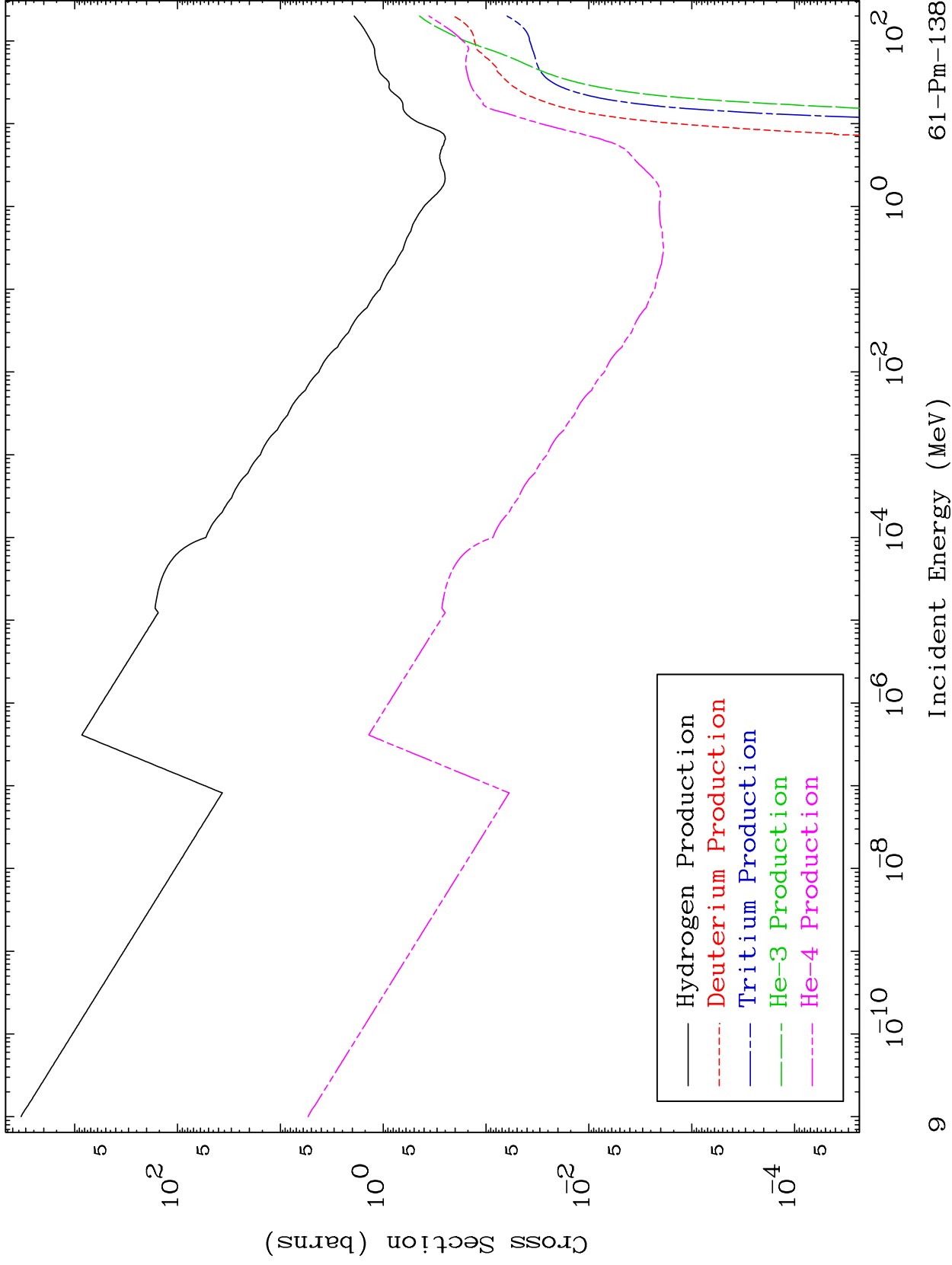


MAT 6122

Charged Particle
293 Kelvin Cross Sections

61-Pm-138



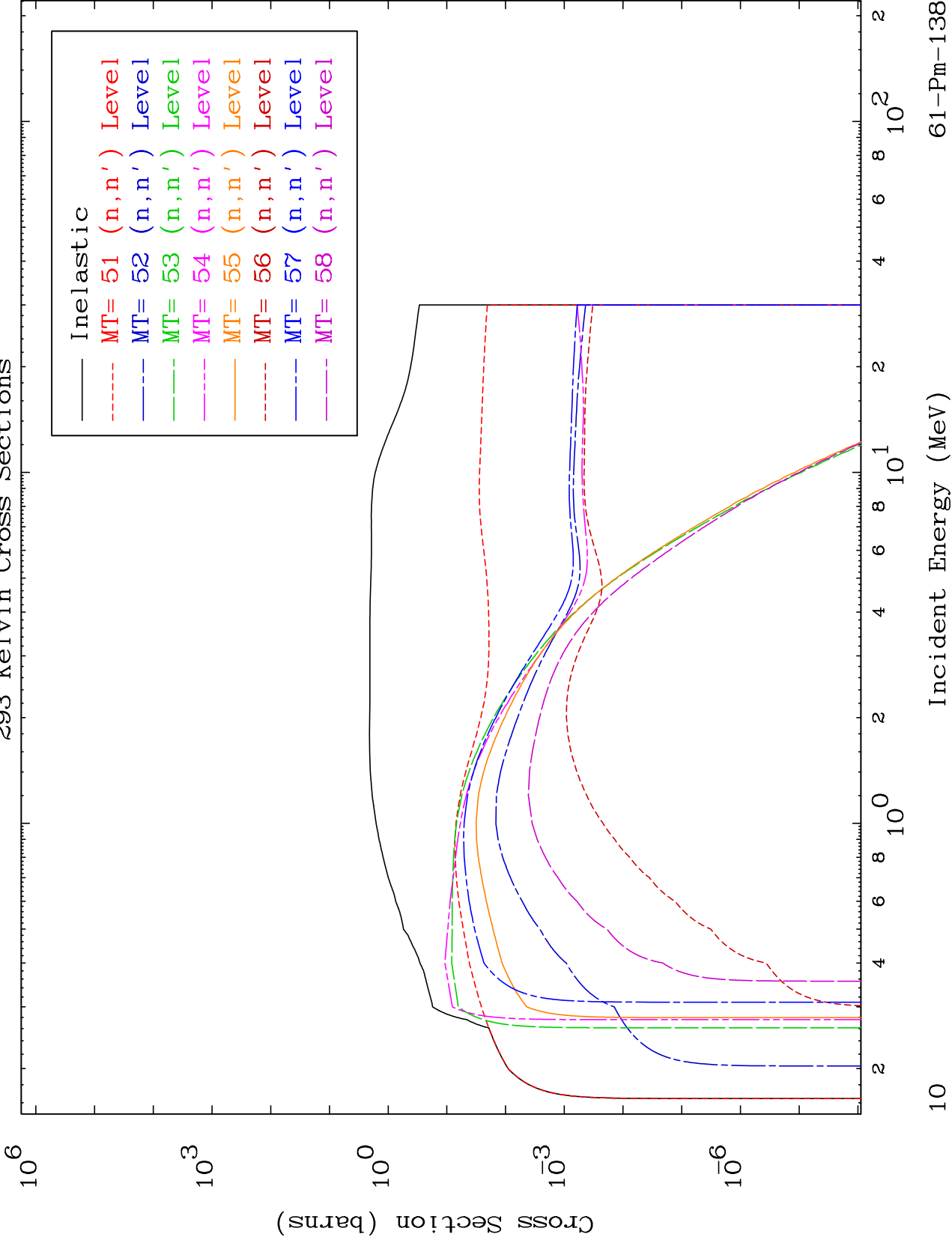


MAT 6122

(n,n') Levels

61-Pm-138

293 Kelvin Cross Sections

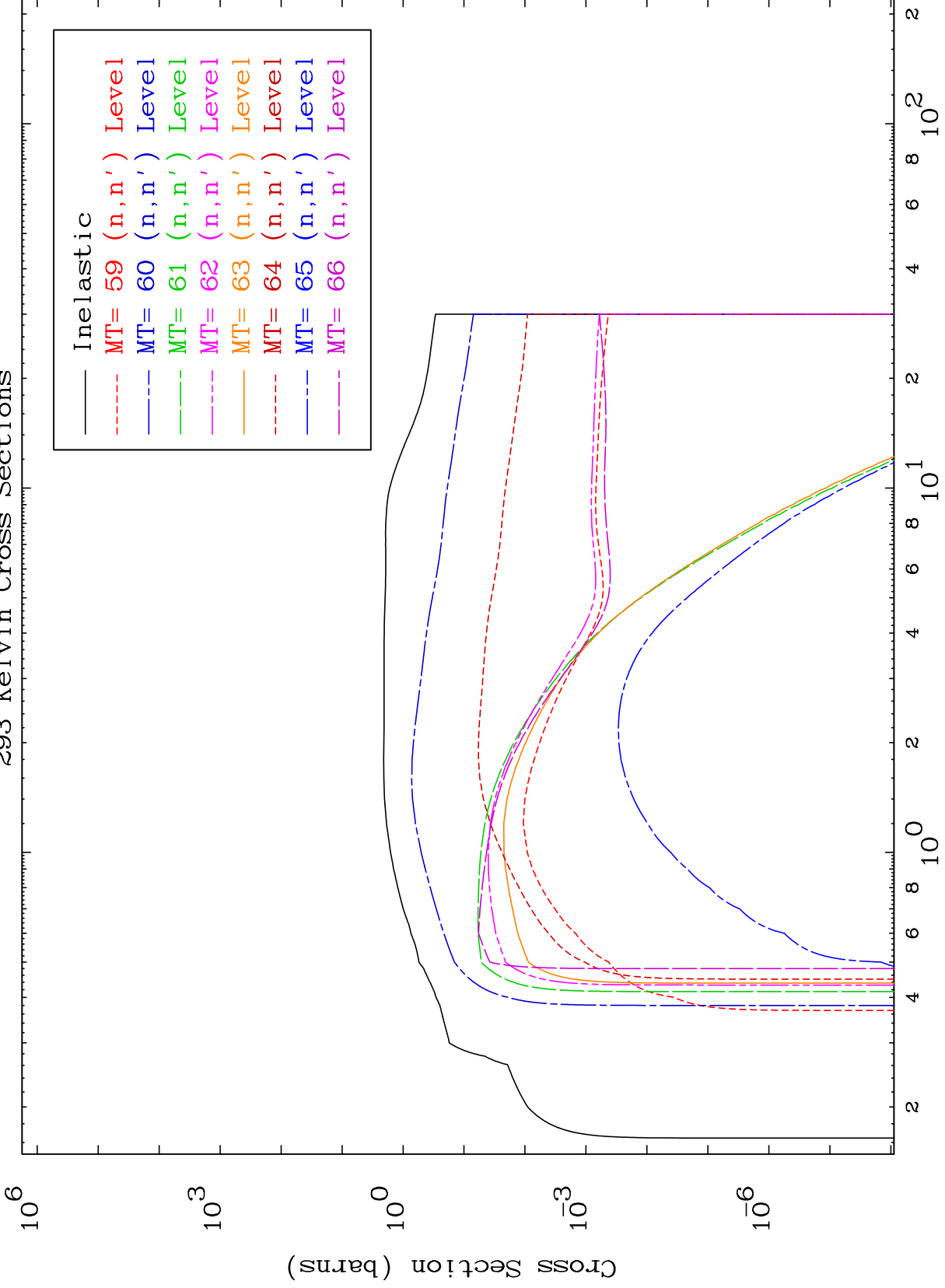


10

Incident Energy (MeV)

61-Pm-138

293 Kelvin Cross Sections

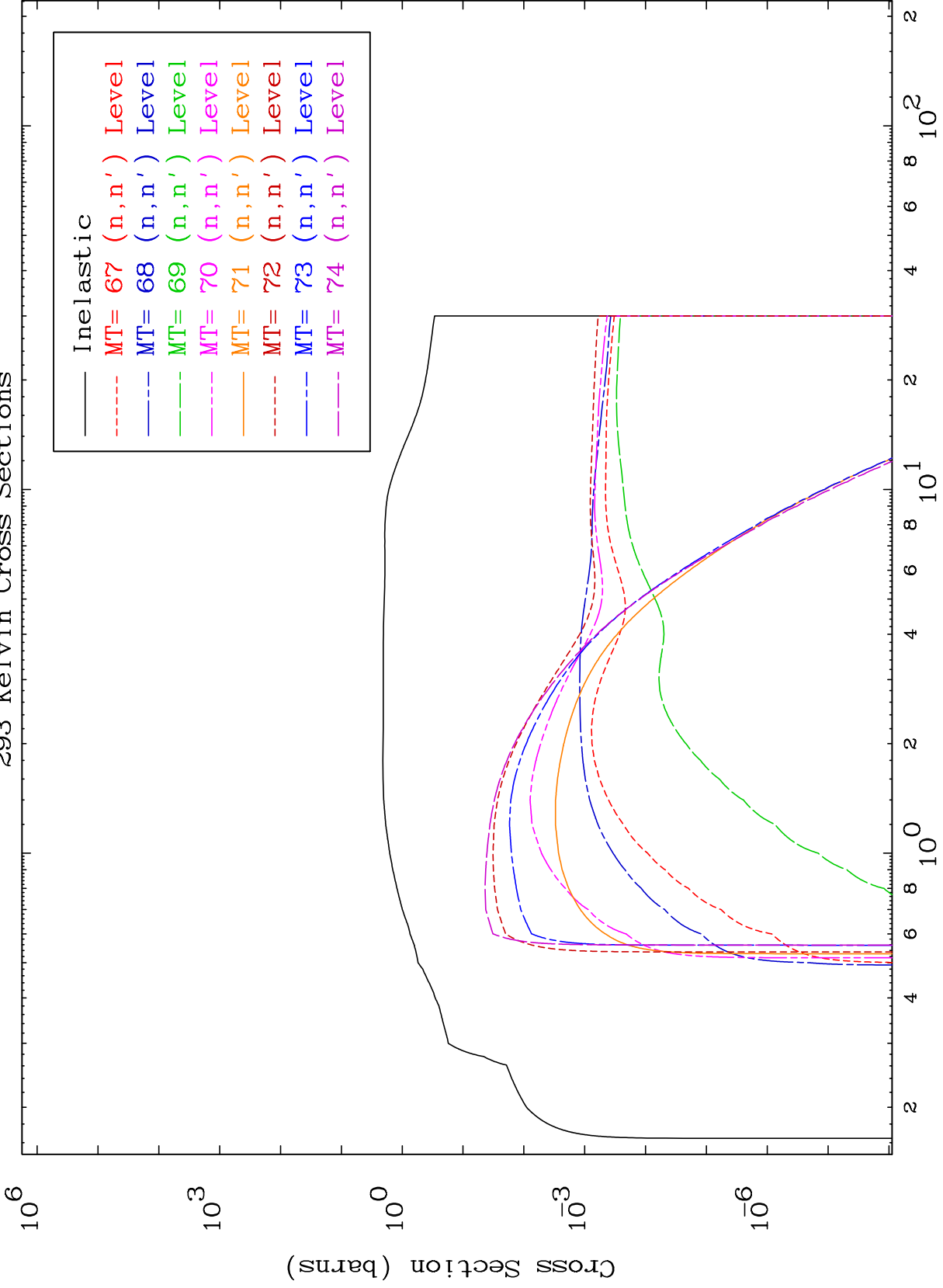


MAT 6122

(n,n') Levels

61-Pm-138

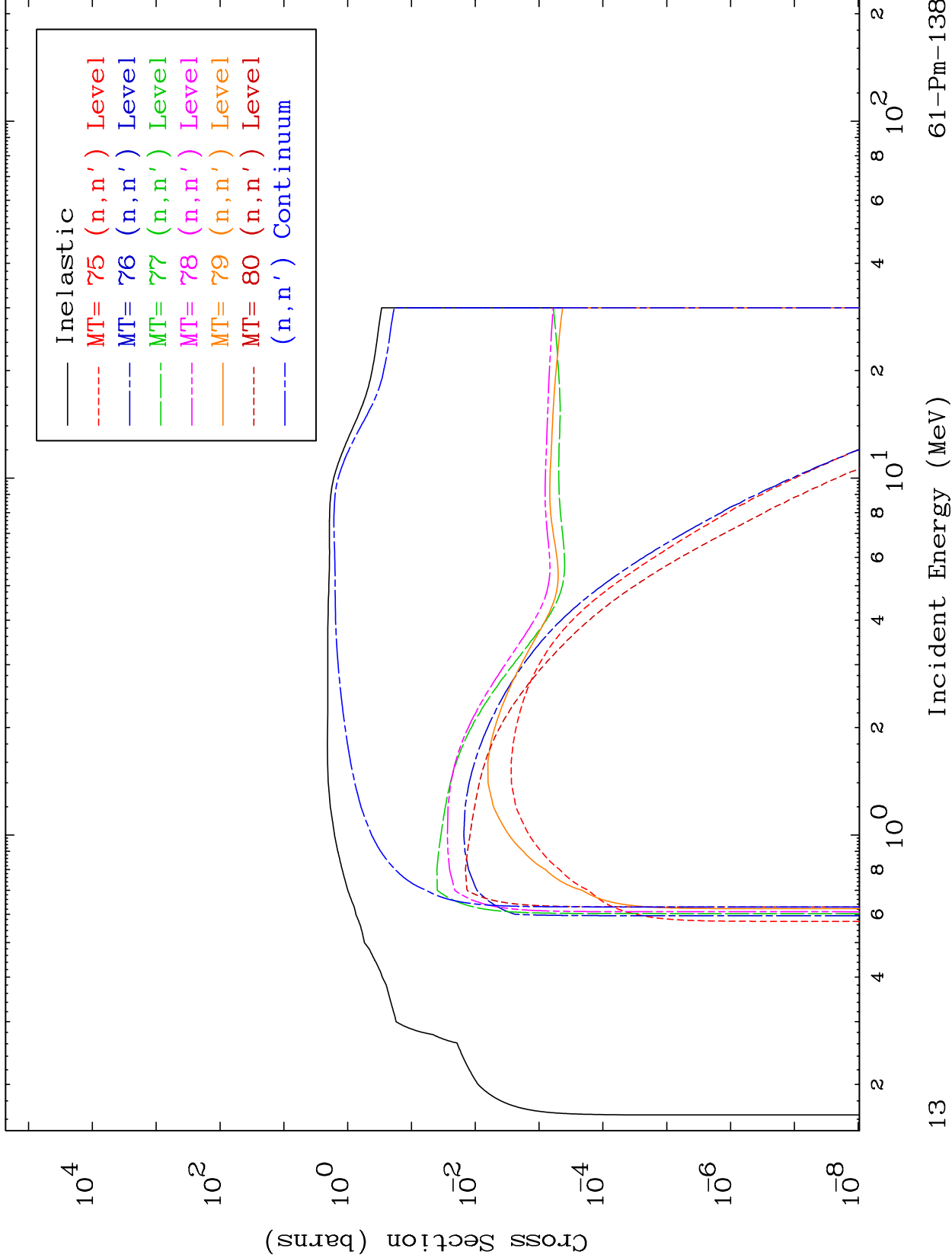
293 Kelvin Cross Sections



12

Incident Energy (MeV)

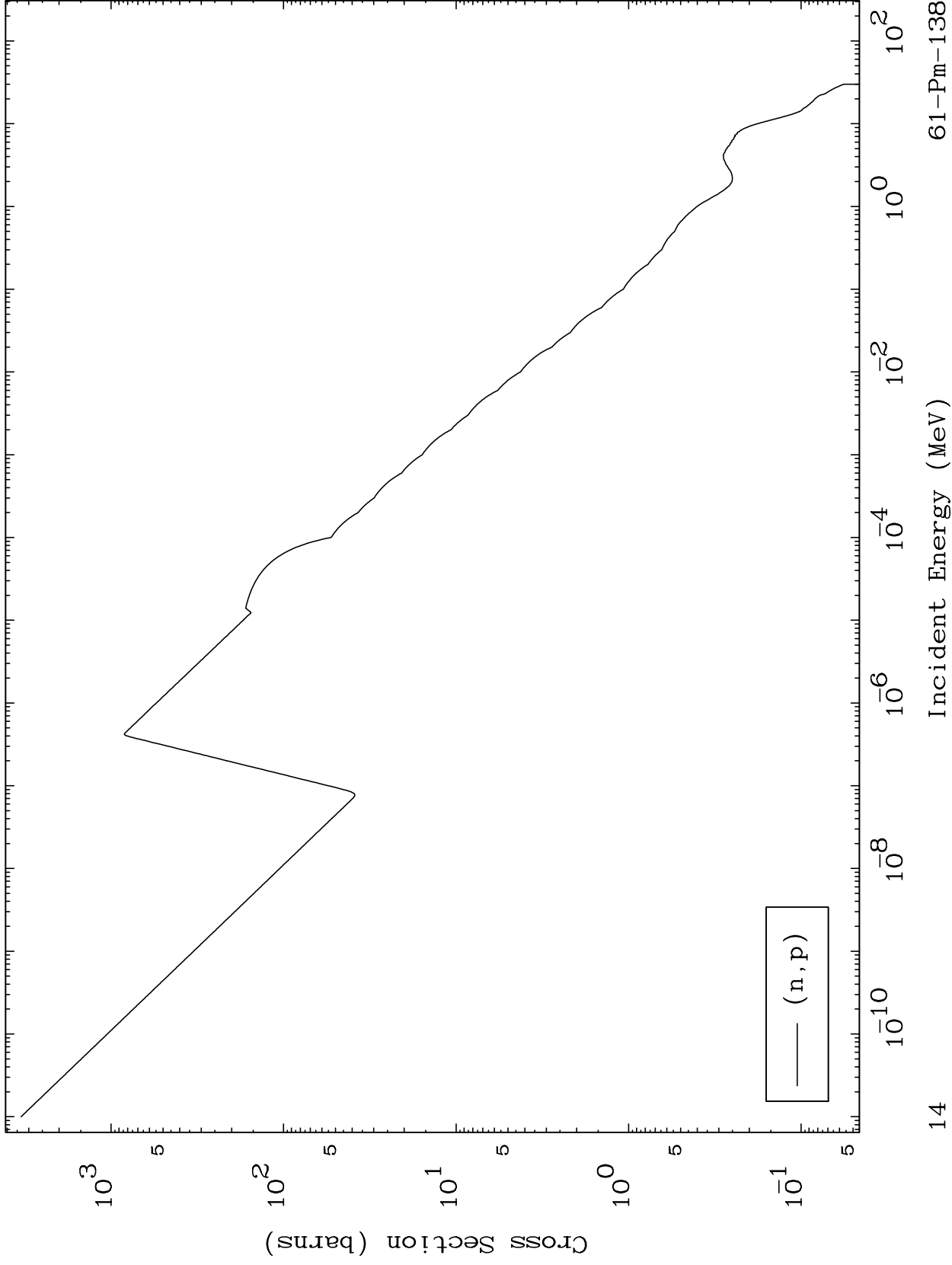
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MAT 6122

(n,p) Levels
293 Kelvin Cross Sections

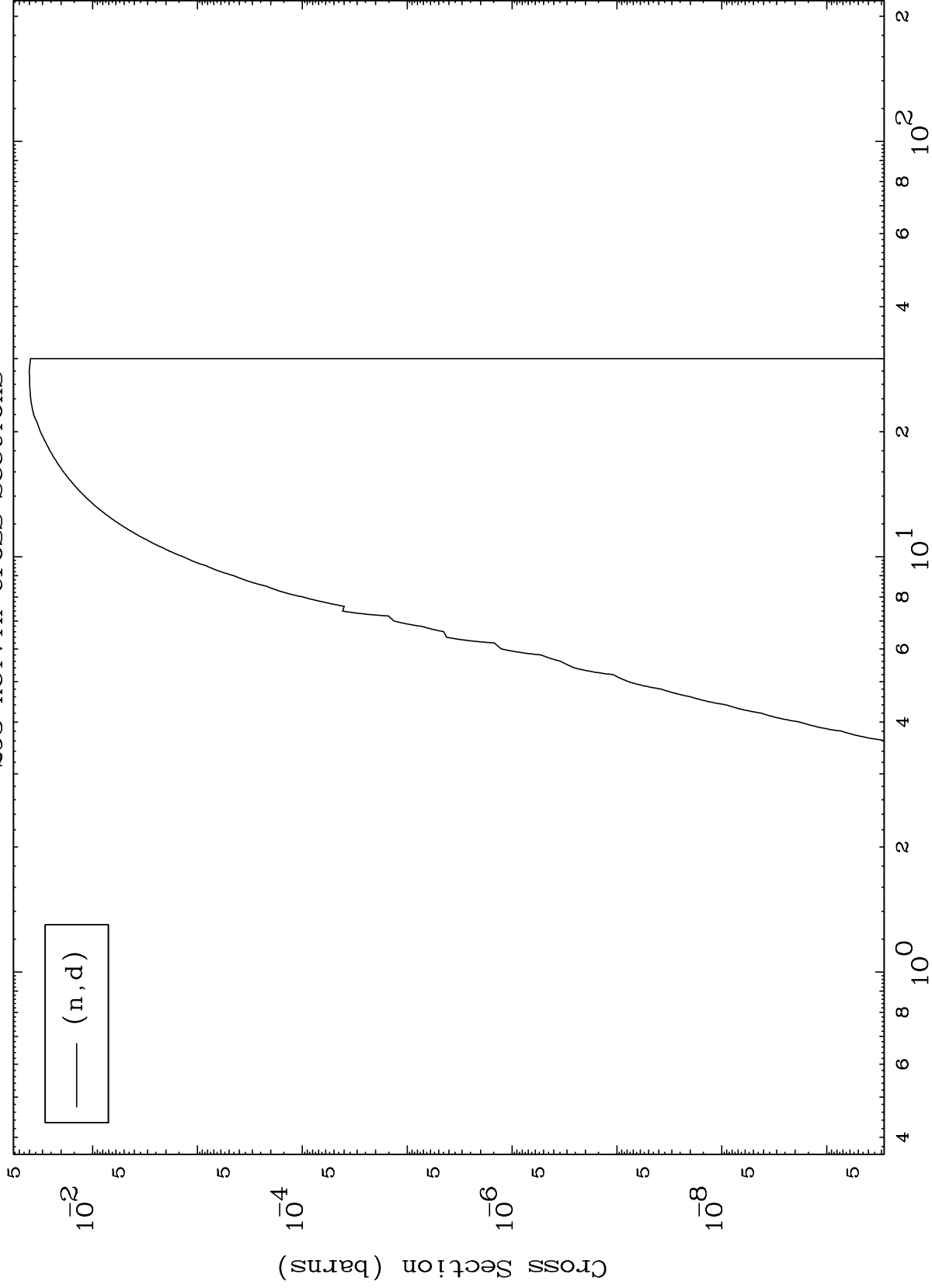
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MAT 6122

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-138



15

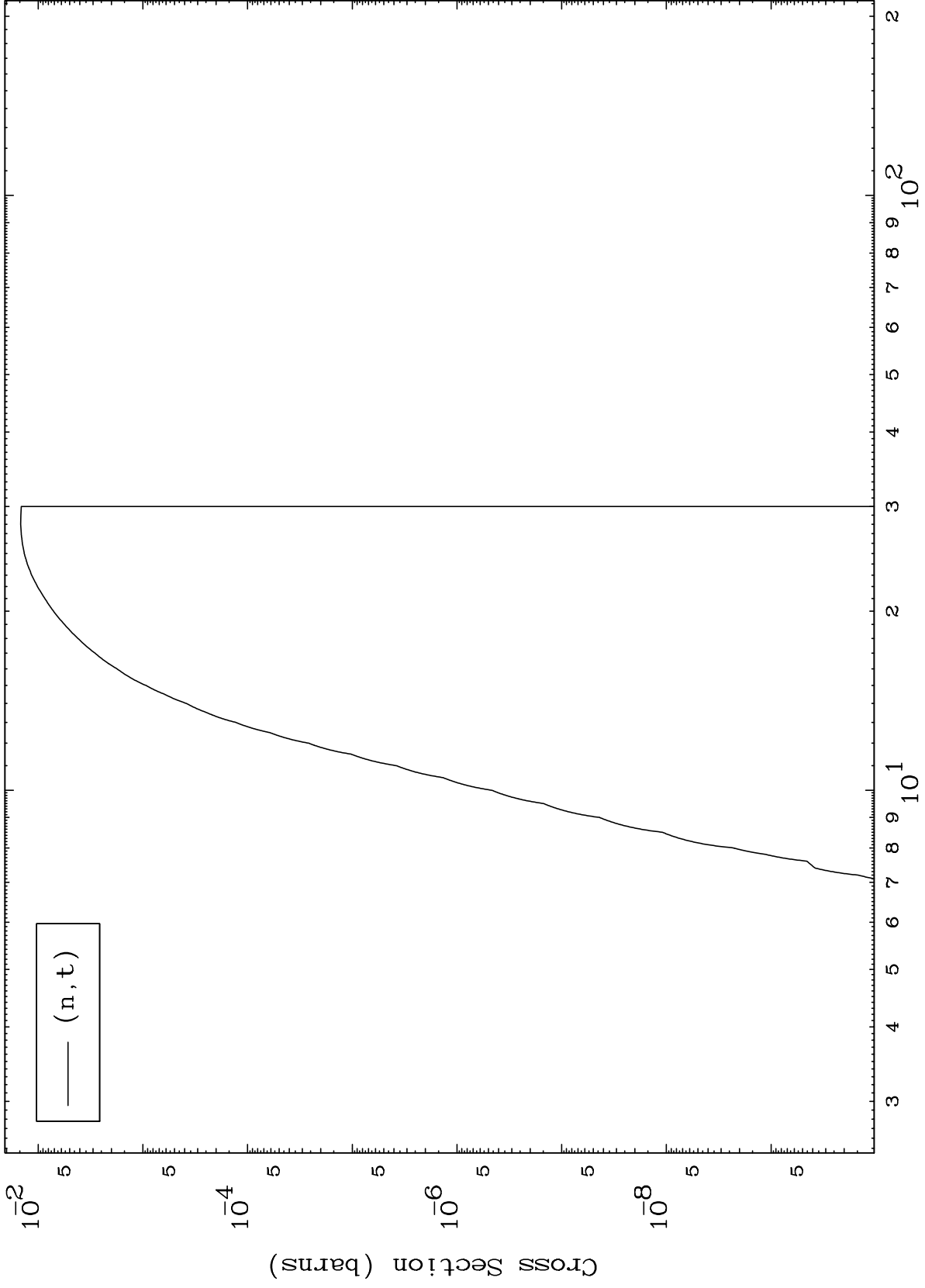
Incident Energy (MeV)

61-Pm-138

MAT 6122

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-138



16

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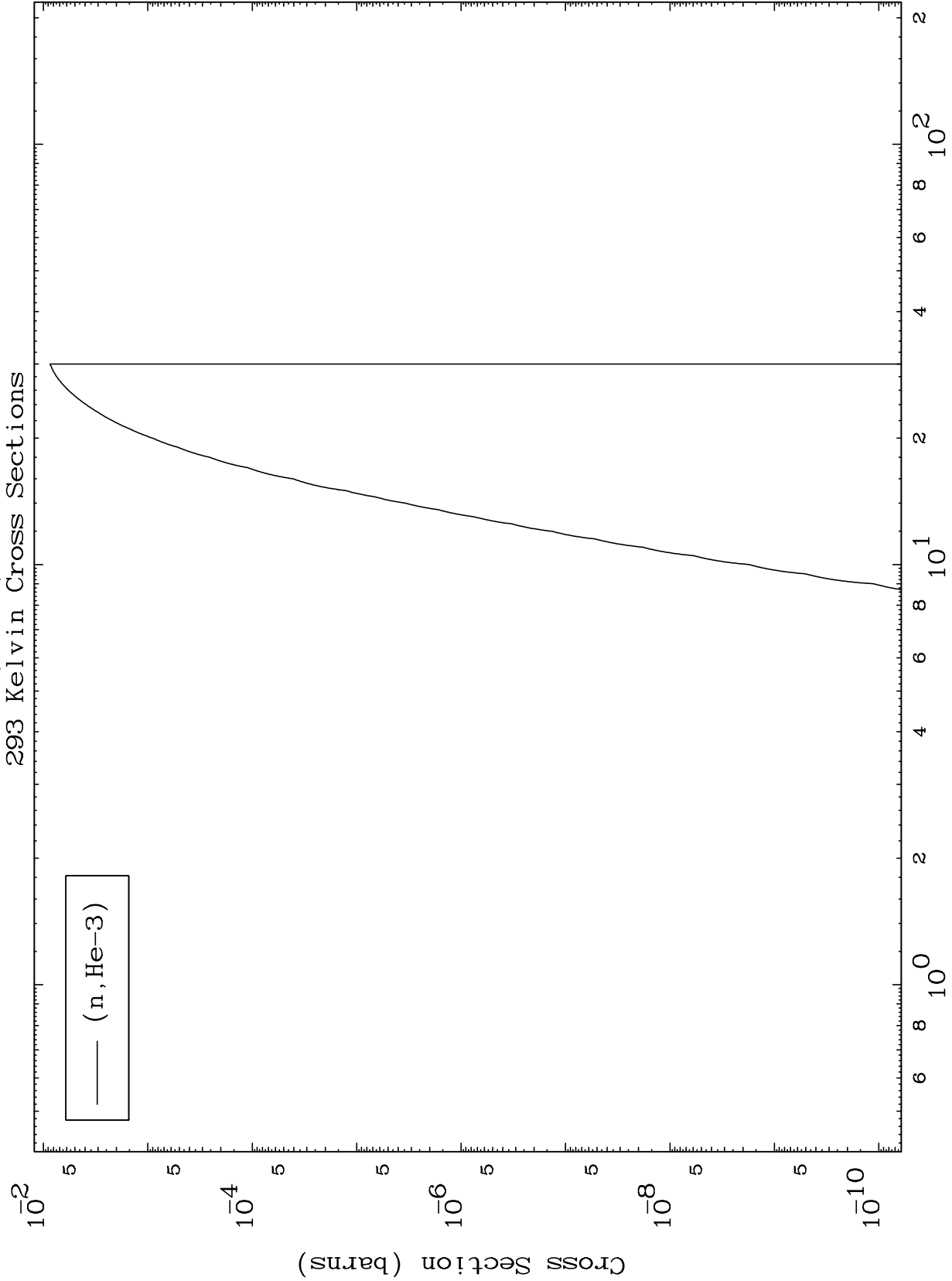
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MAT 6122

(n,He3) Levels

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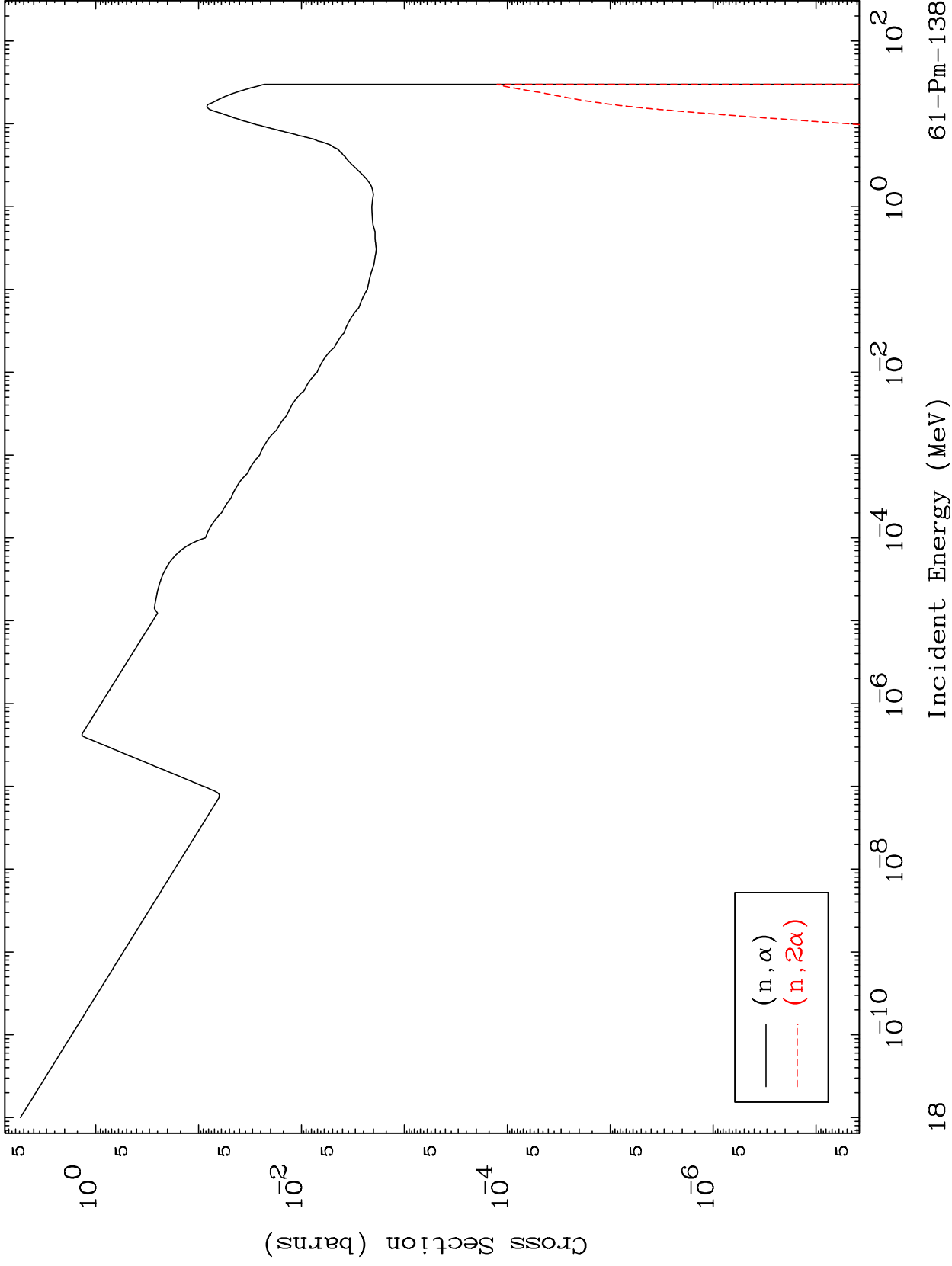
293 Kelvin Cross Sections



MAT 6122

(n, α) Levels
293 Kelvin Cross Sections

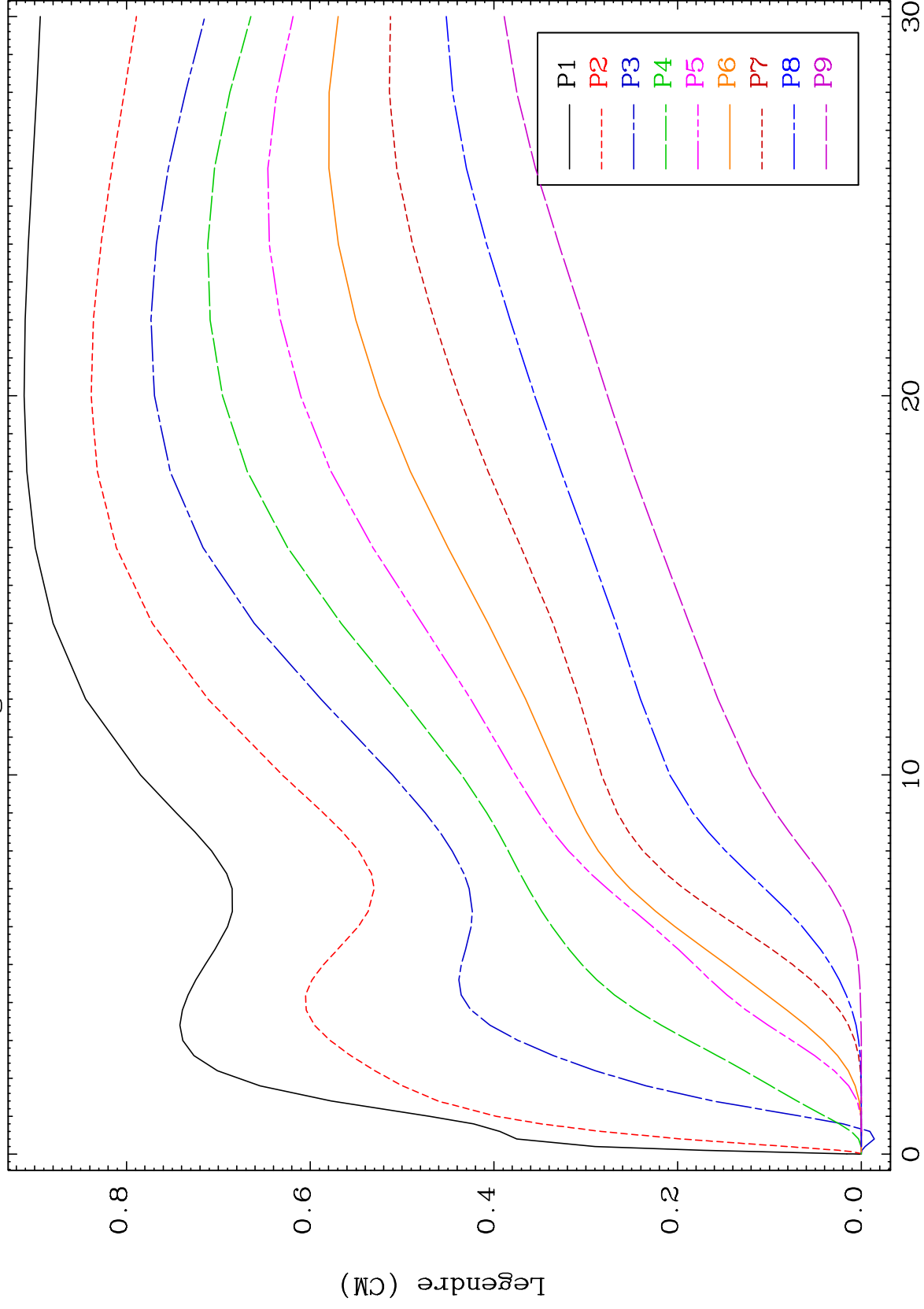
61-Pm-138



MAT 6122

Elastic Legendre Coefficients

61-Pm-138



19

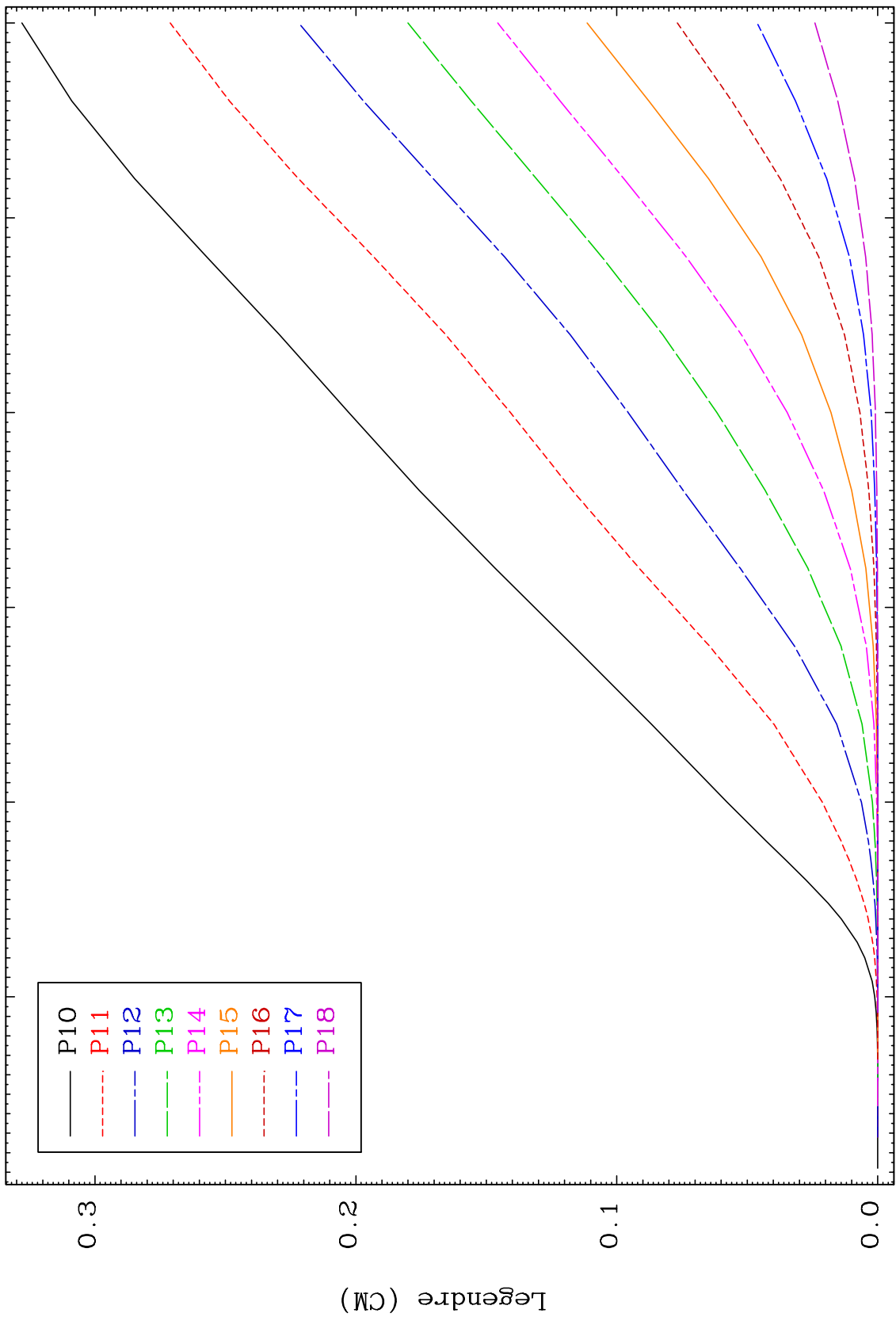
Incident Energy (MeV)

61-Pm-138

MAT 6122

Elastic Legendre Coefficients

61-Pm-138

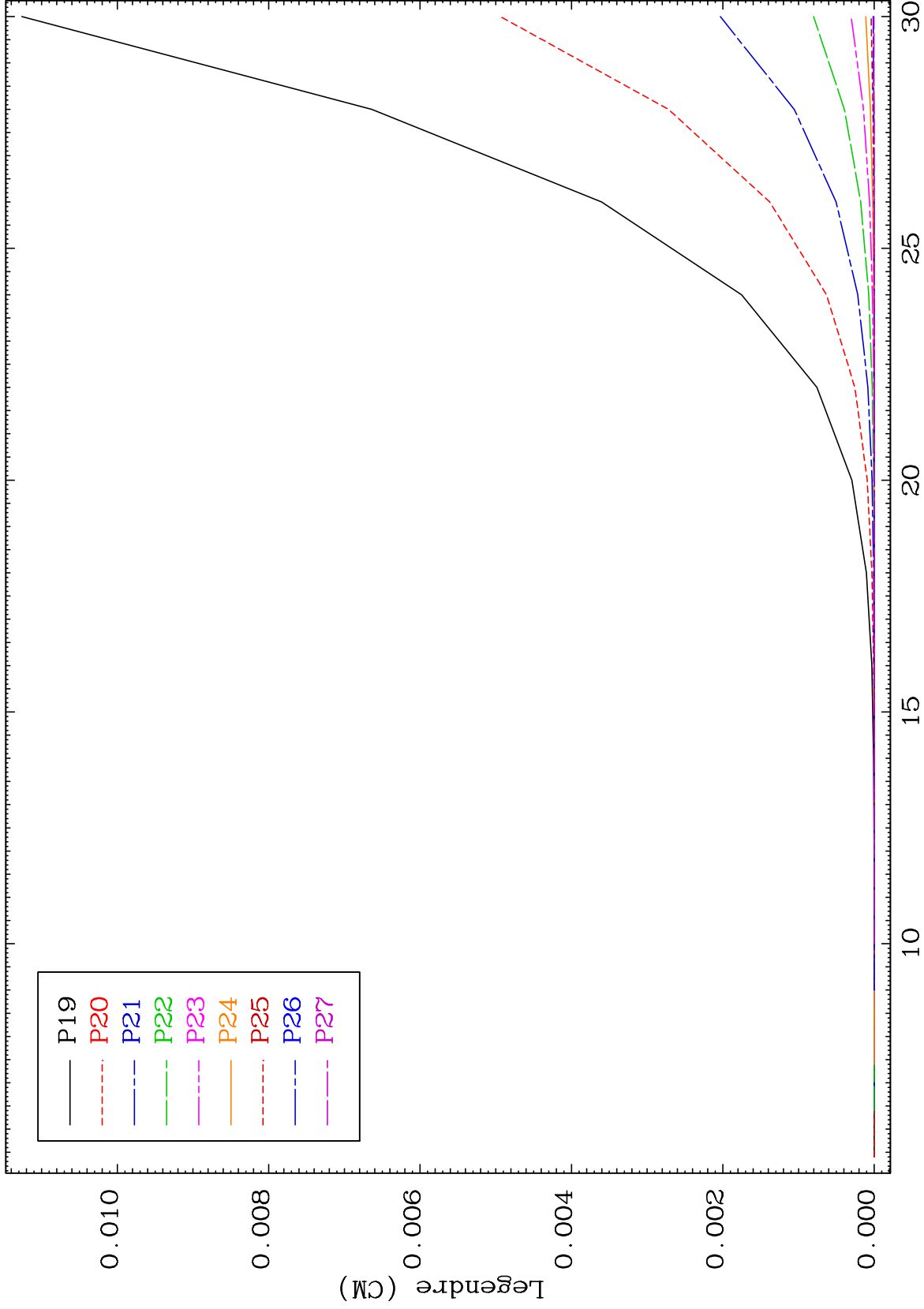


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Incident Energy (MeV)

61-Pm-138

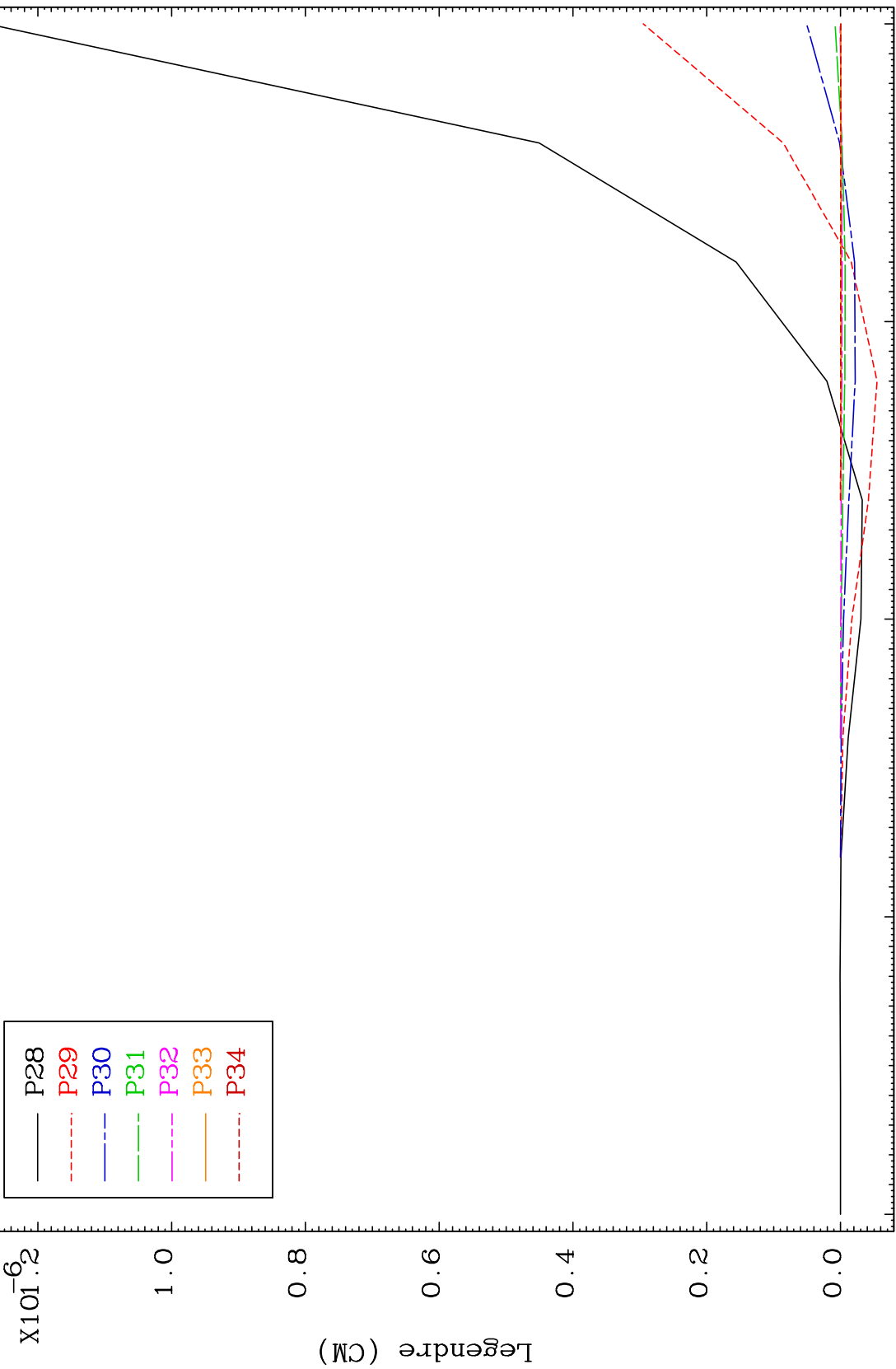
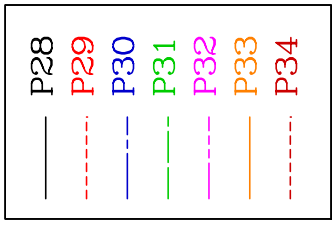
Elastic Legendre Coefficients



MAT 6122

Elastic Legendre Coefficients

61-Pm-138



22

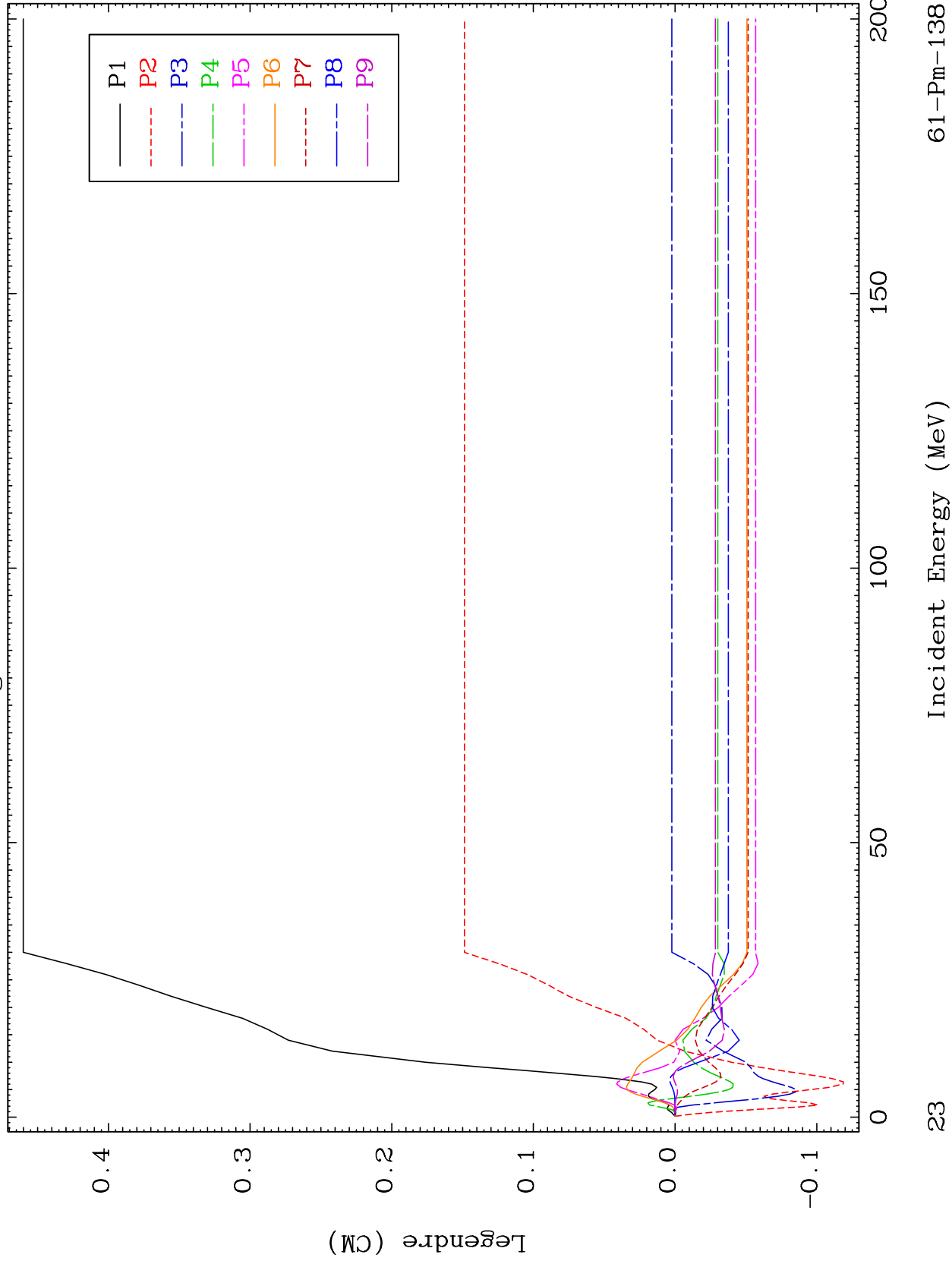
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



61-Pm-138

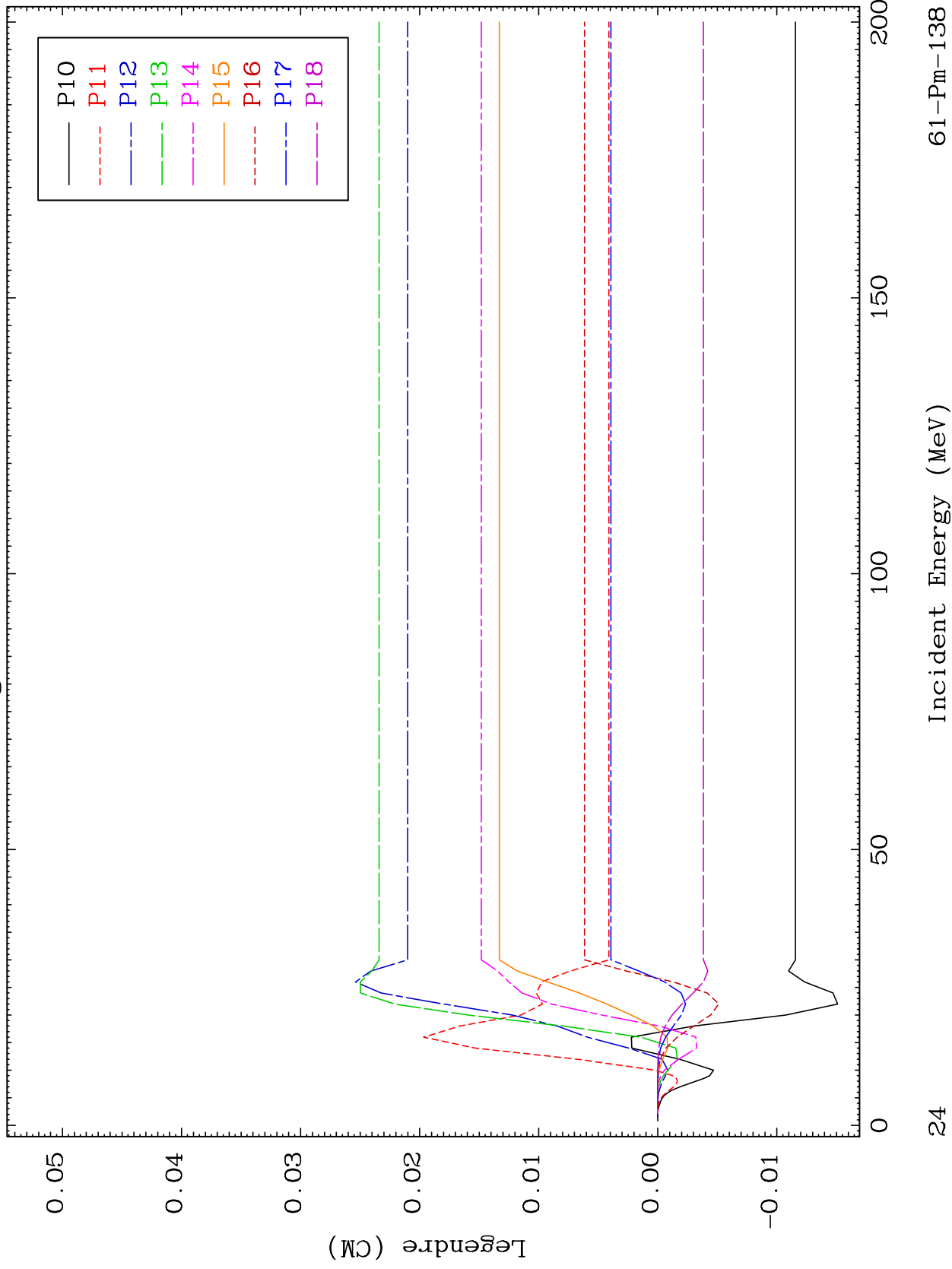
Incident Energy (MeV)

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MAT 6122

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

61-Pm-138



61-Pm-138

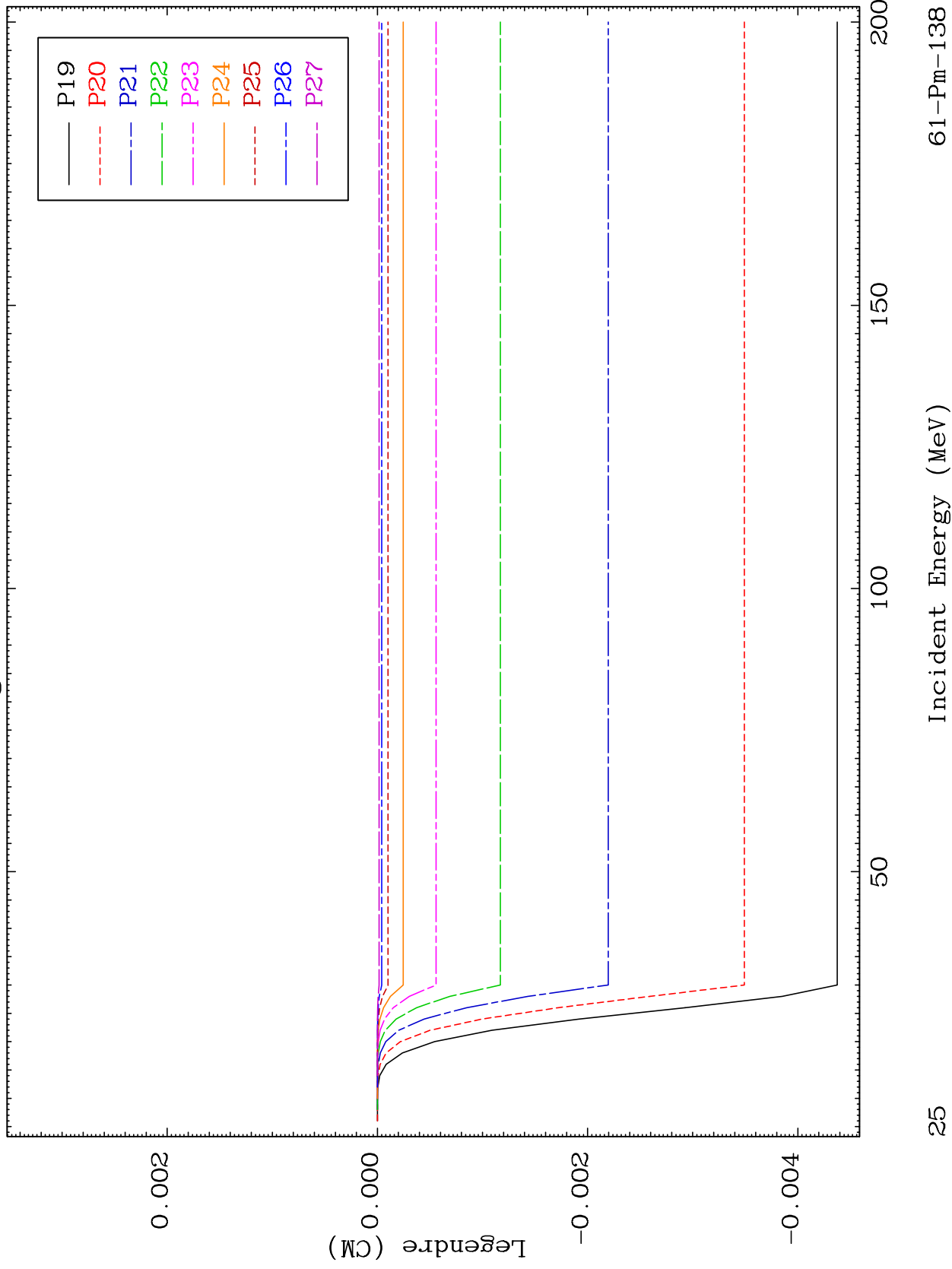
Incident Energy (MeV)

24

MAT 6122

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

61-Pm-138



61-Pm-138

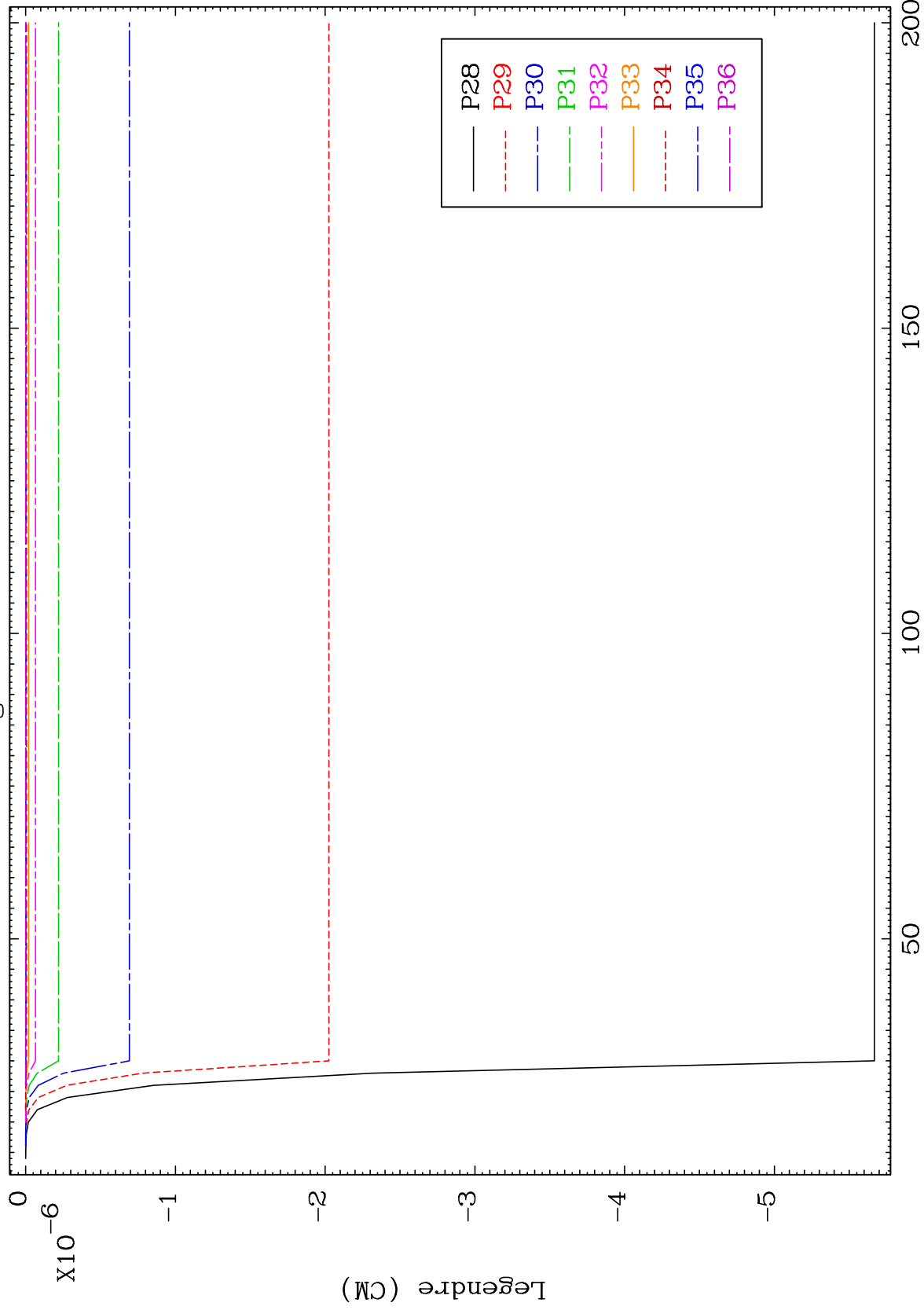
Incident Energy (MeV)

25

MAT 6122

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

61-Pm-138



26

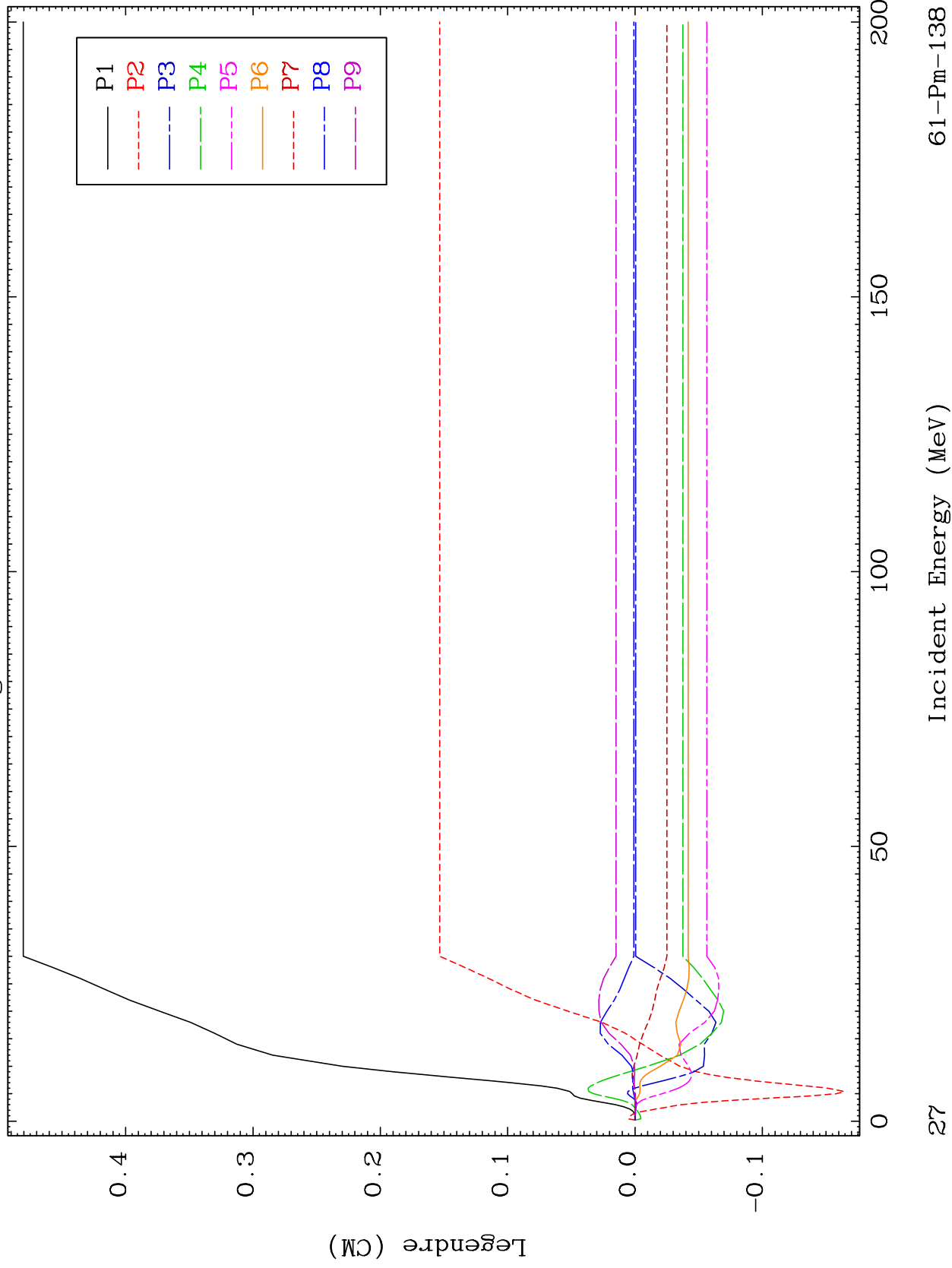
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



27

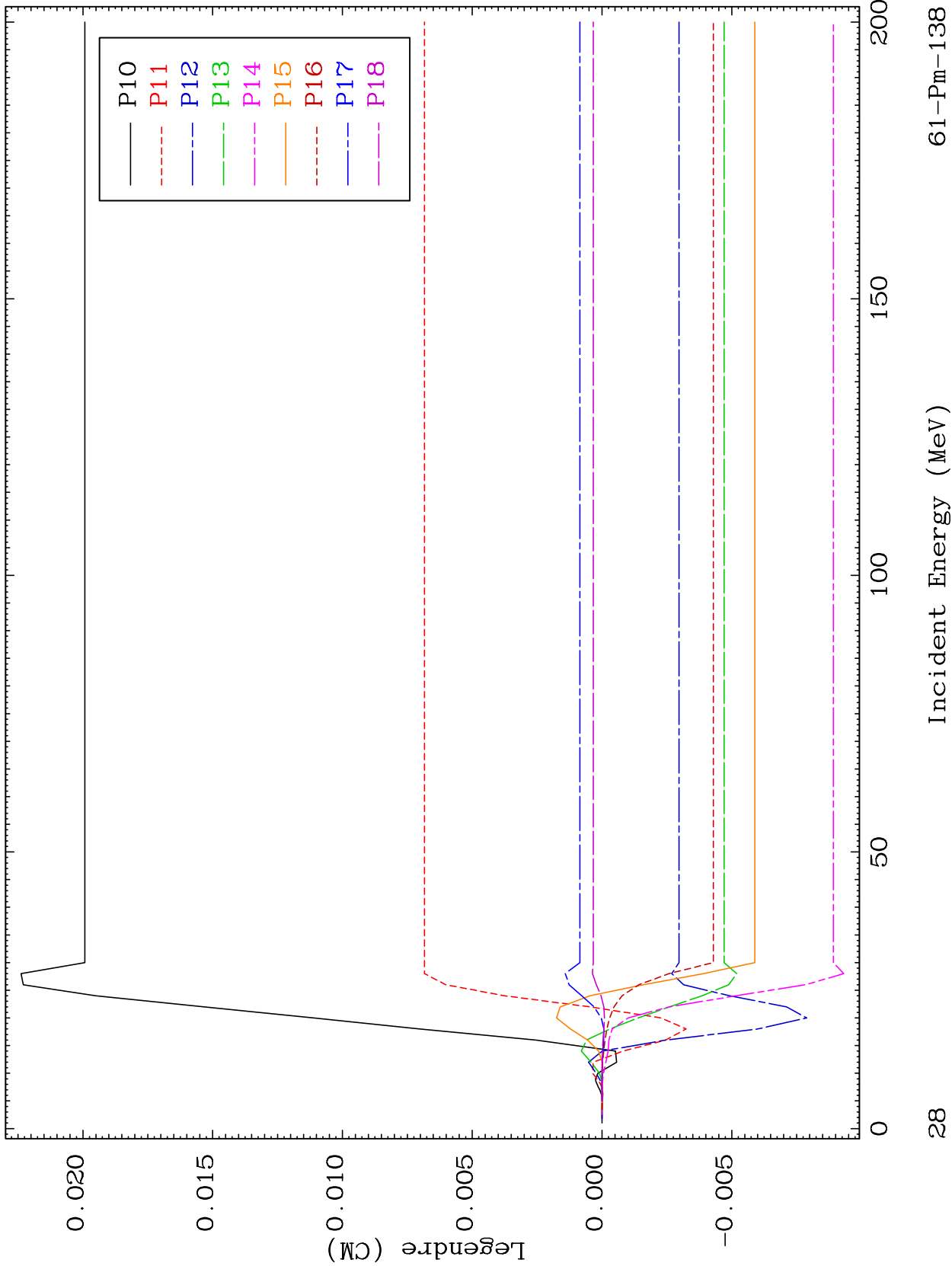
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

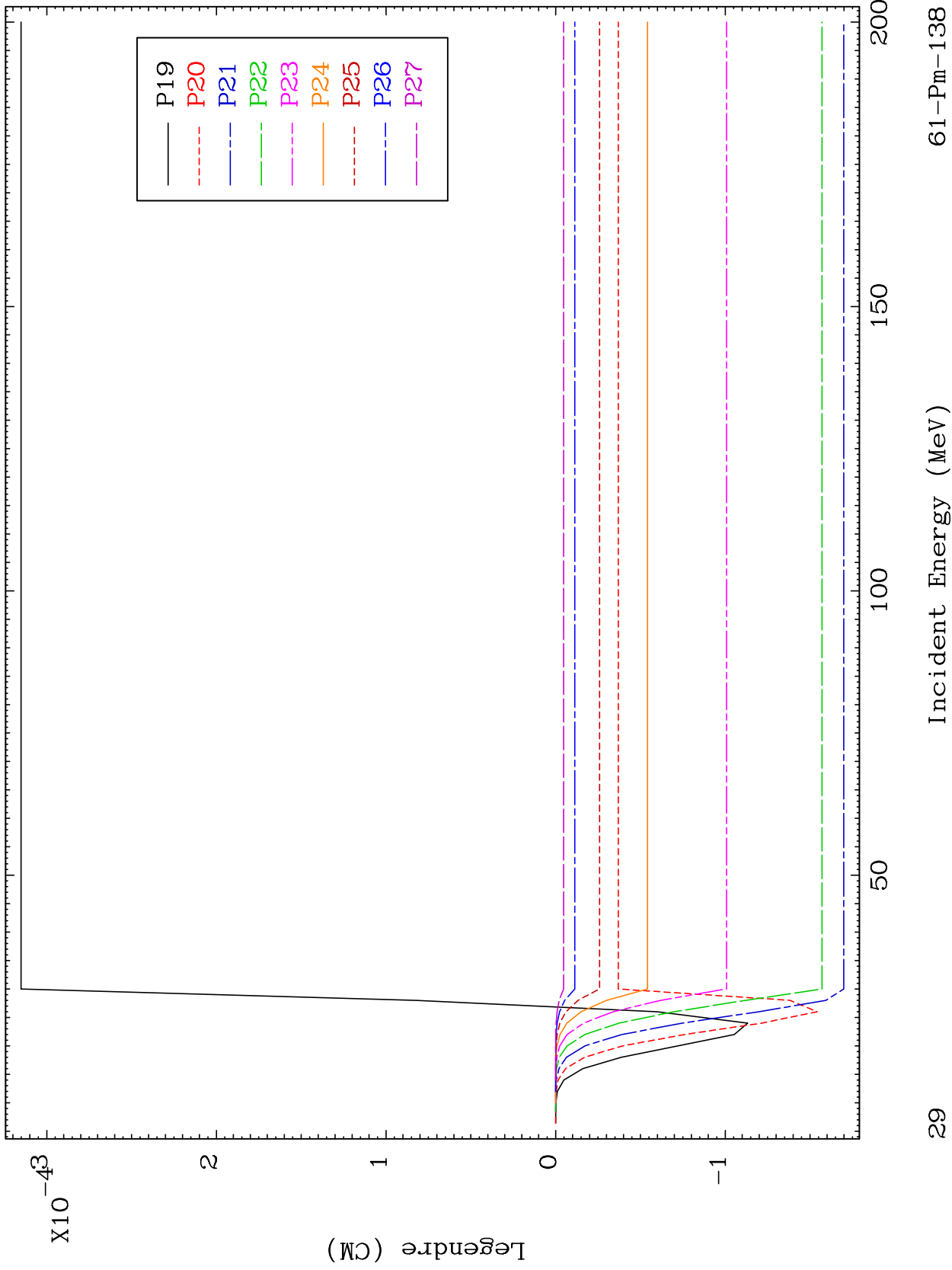
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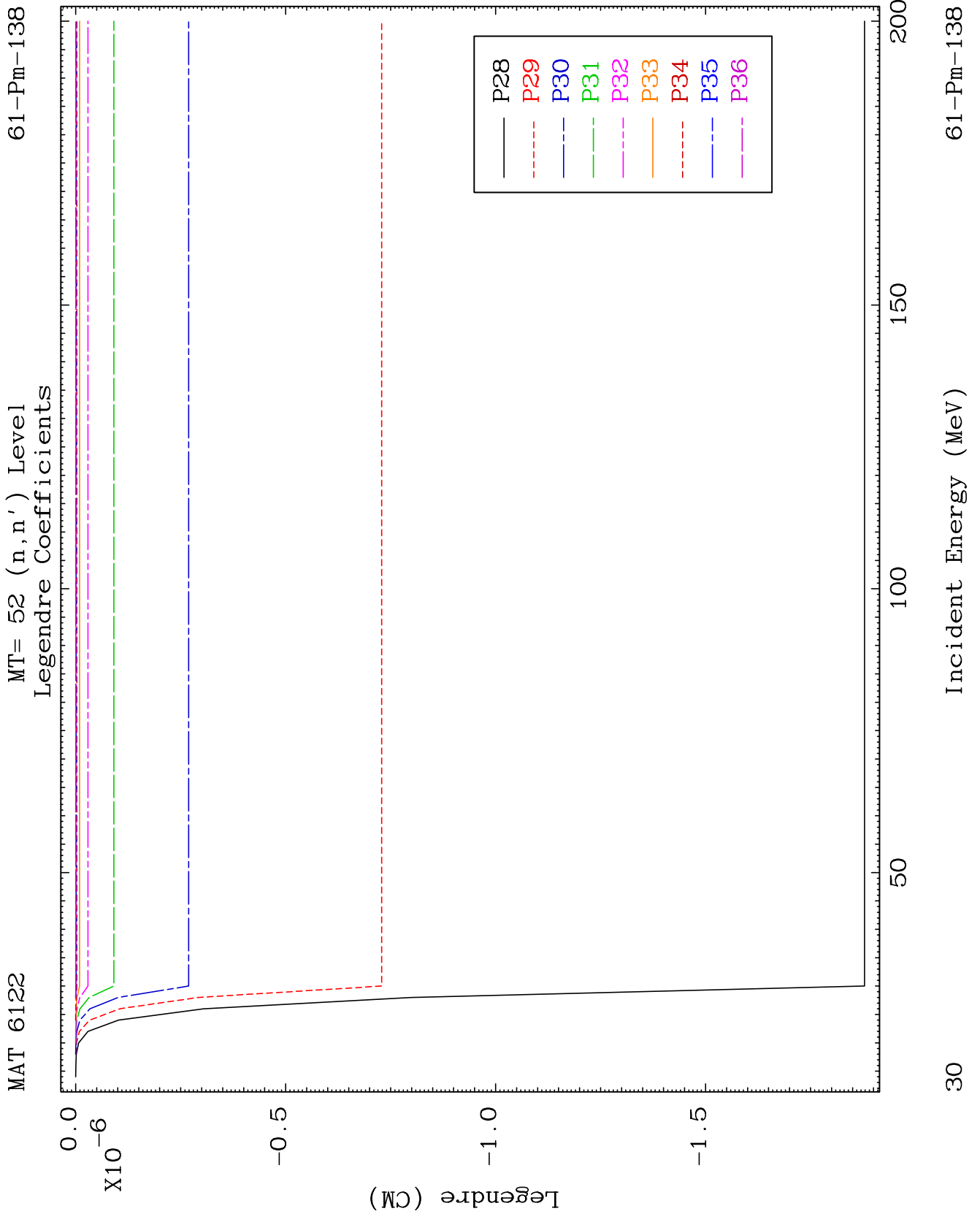


28

Incident Energy (MeV)

61-Pm-138

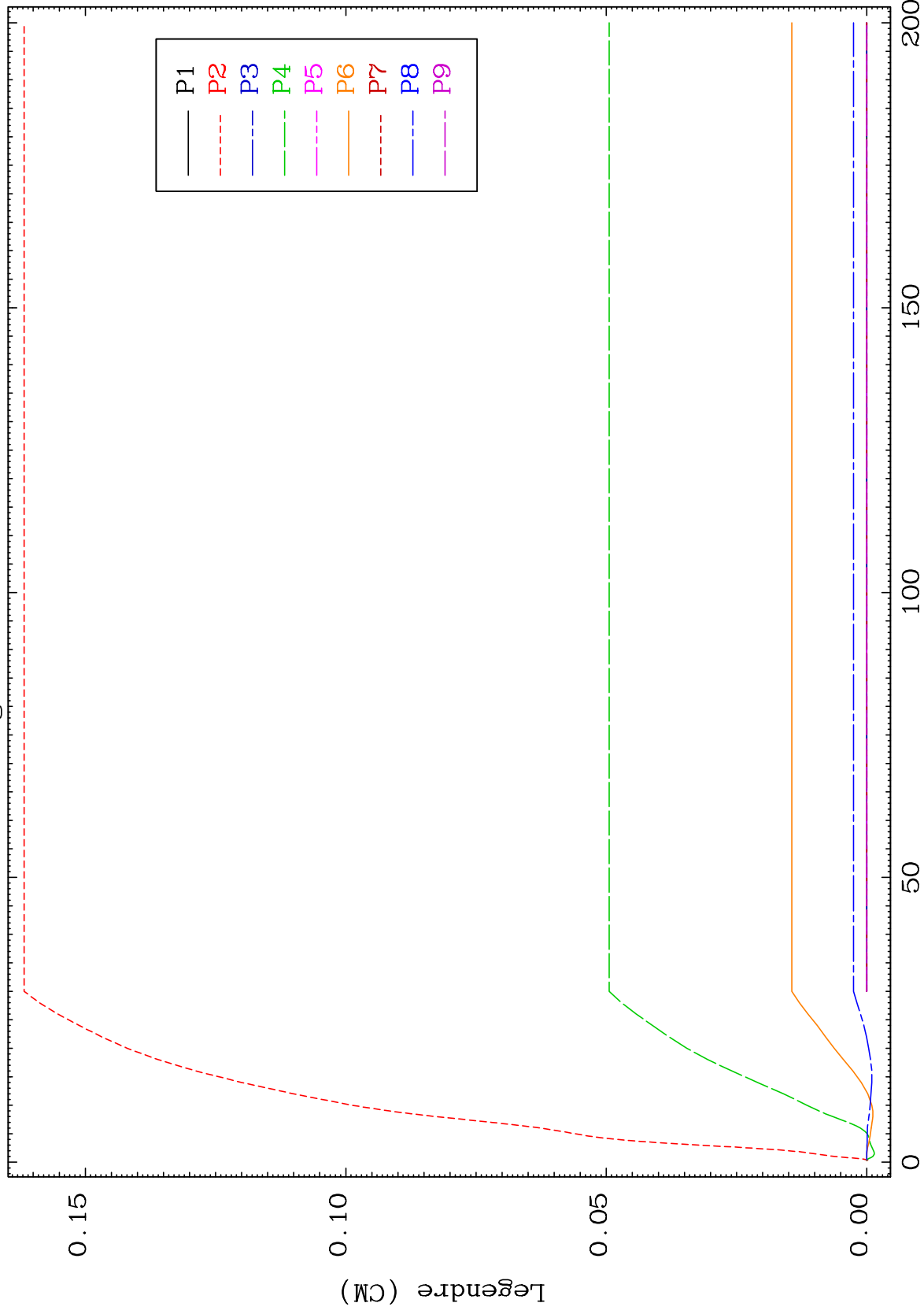




MAT 6122

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

61-Pm-138



31

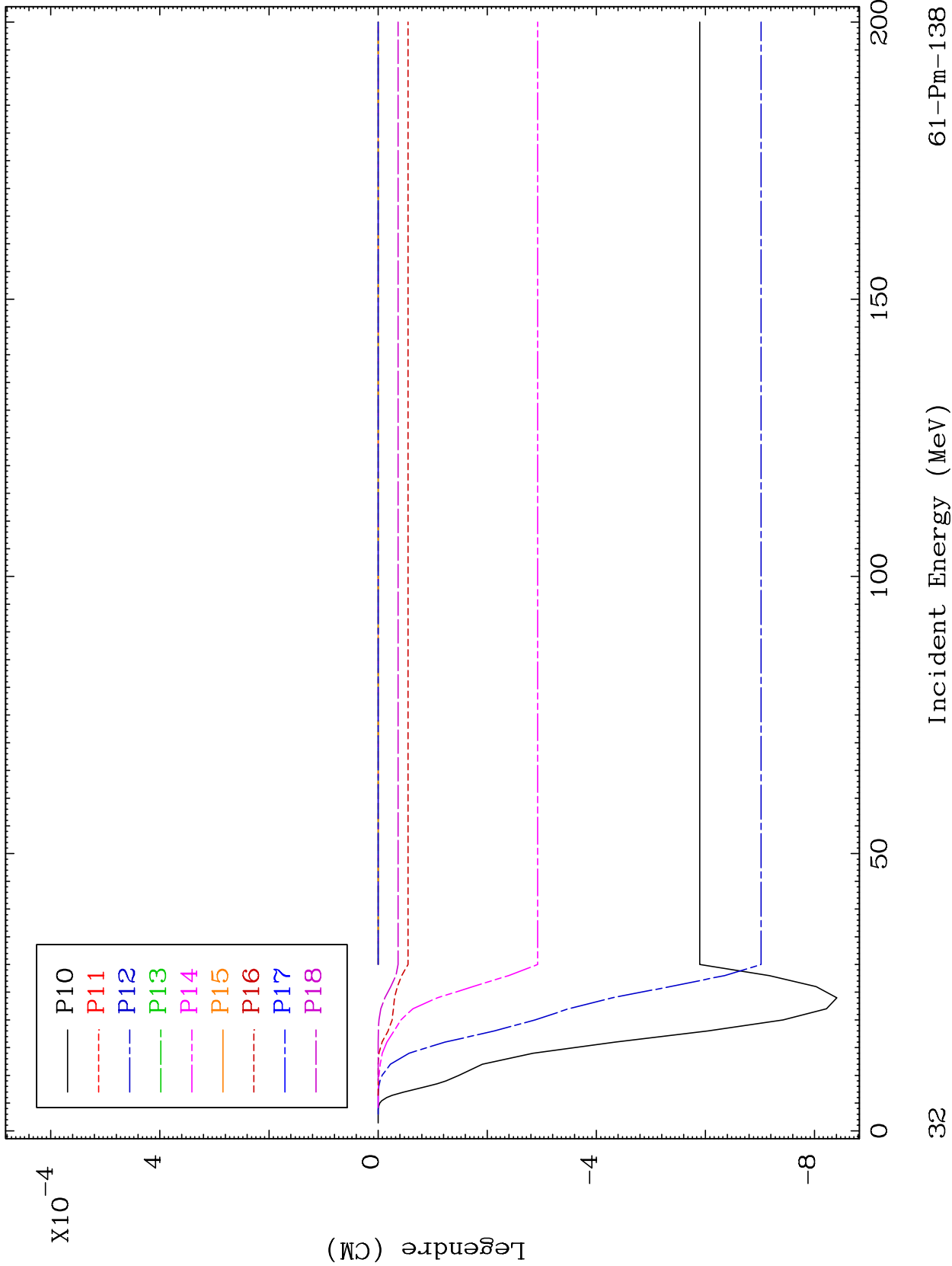
Incident Energy (MeV)

61-Pm-138

MAT 61222

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

61-Pm-138



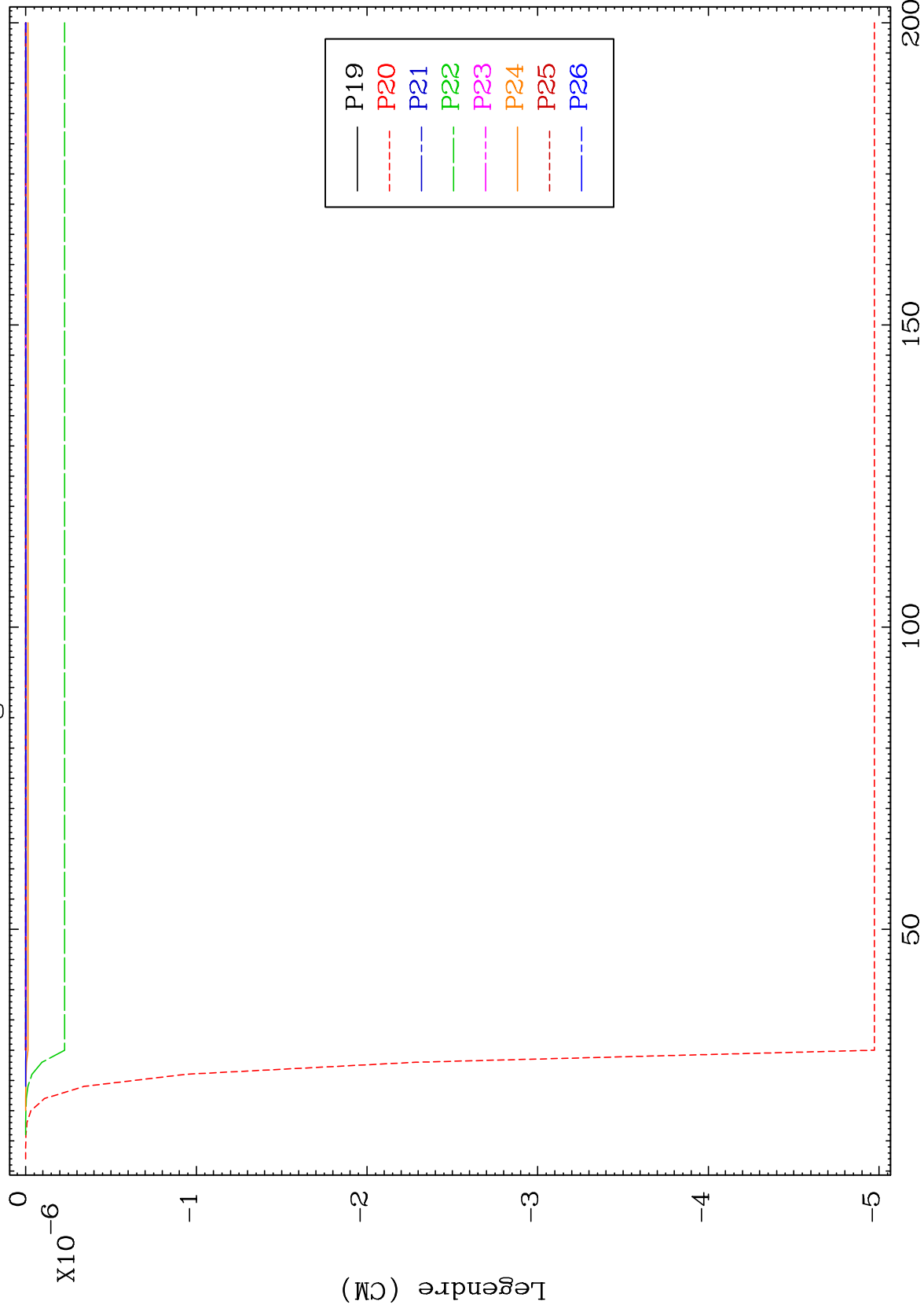
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61-Pm-138

MAT 6122

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

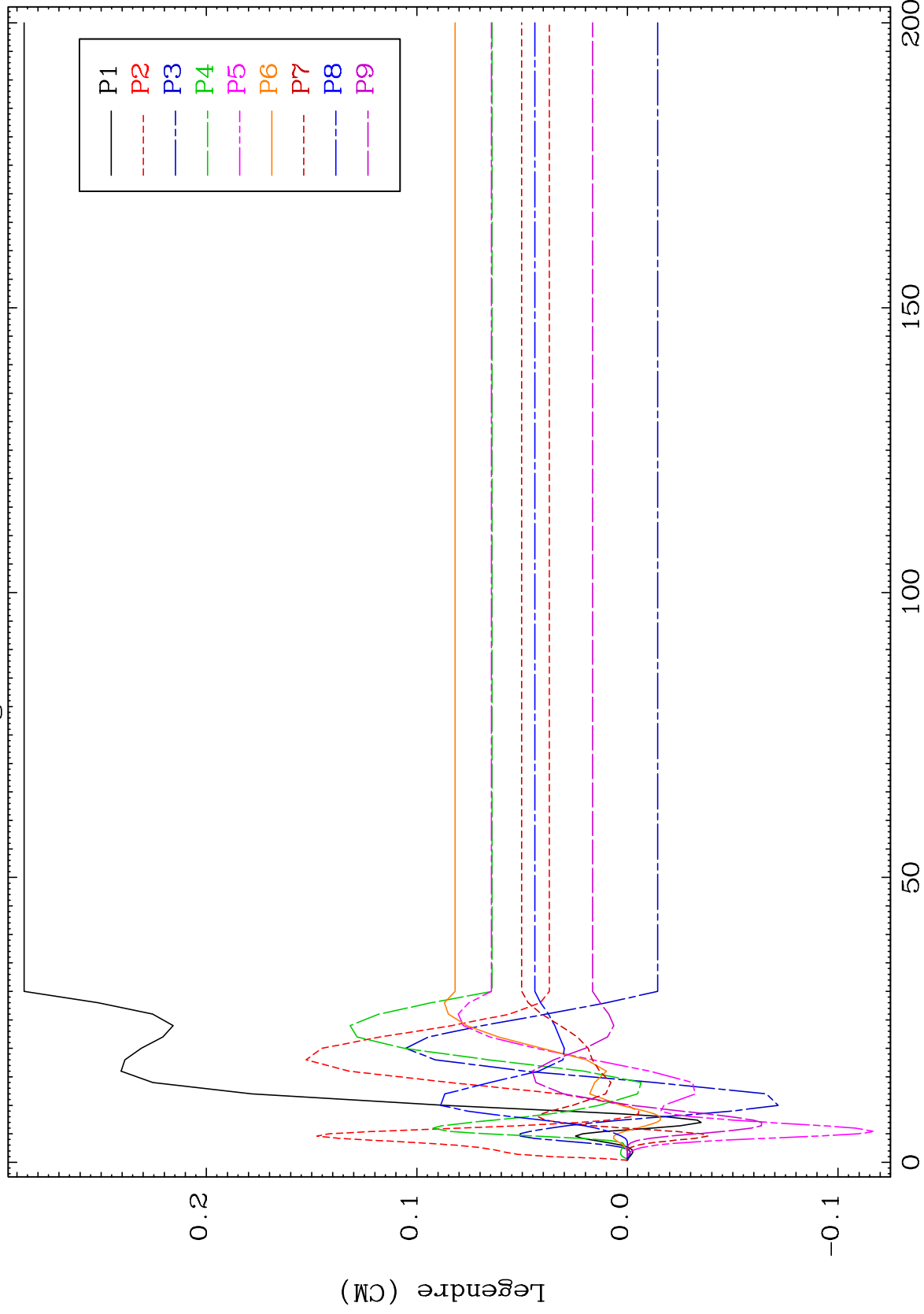
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MAT 6122

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

61-Pm-138



34

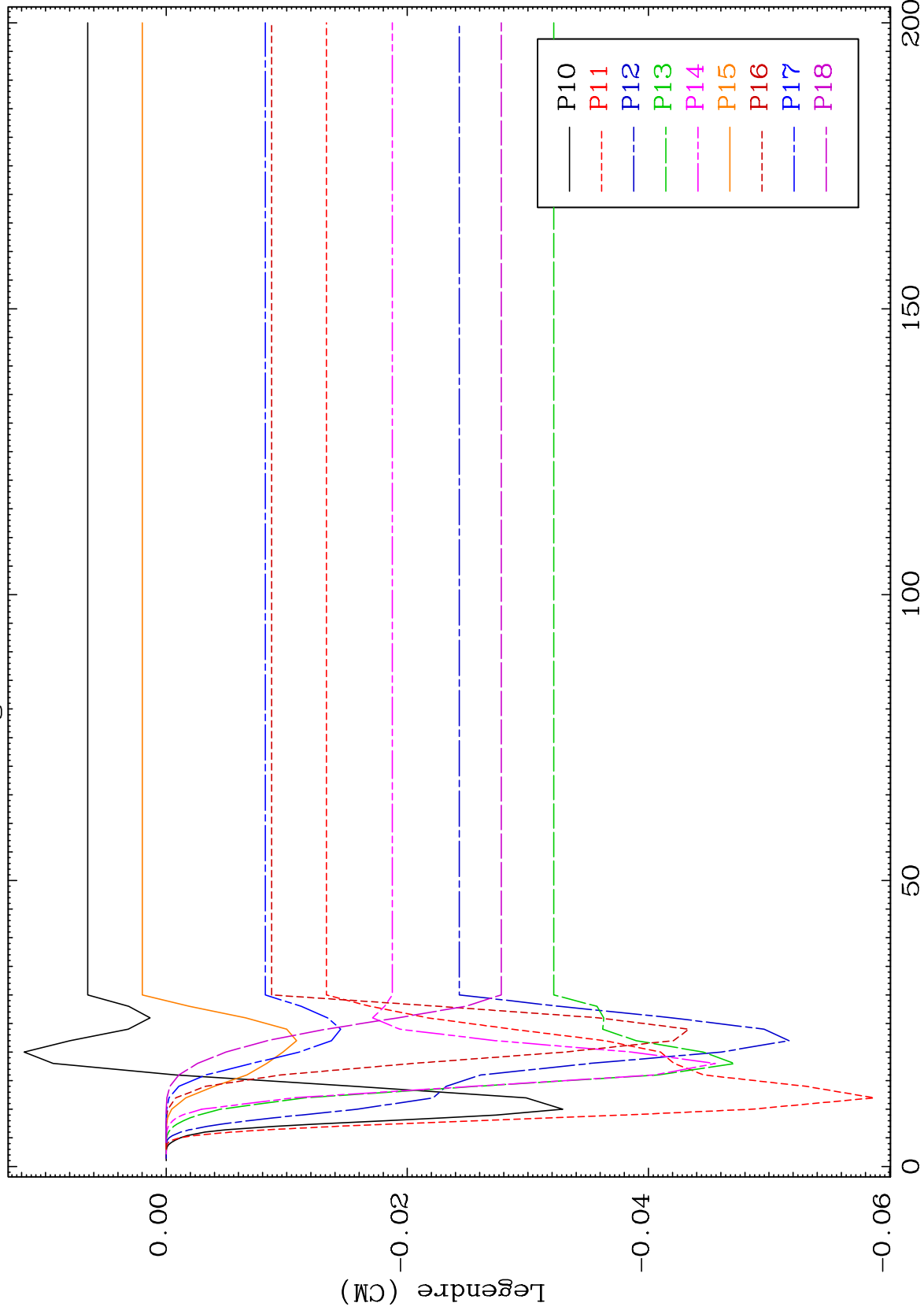
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

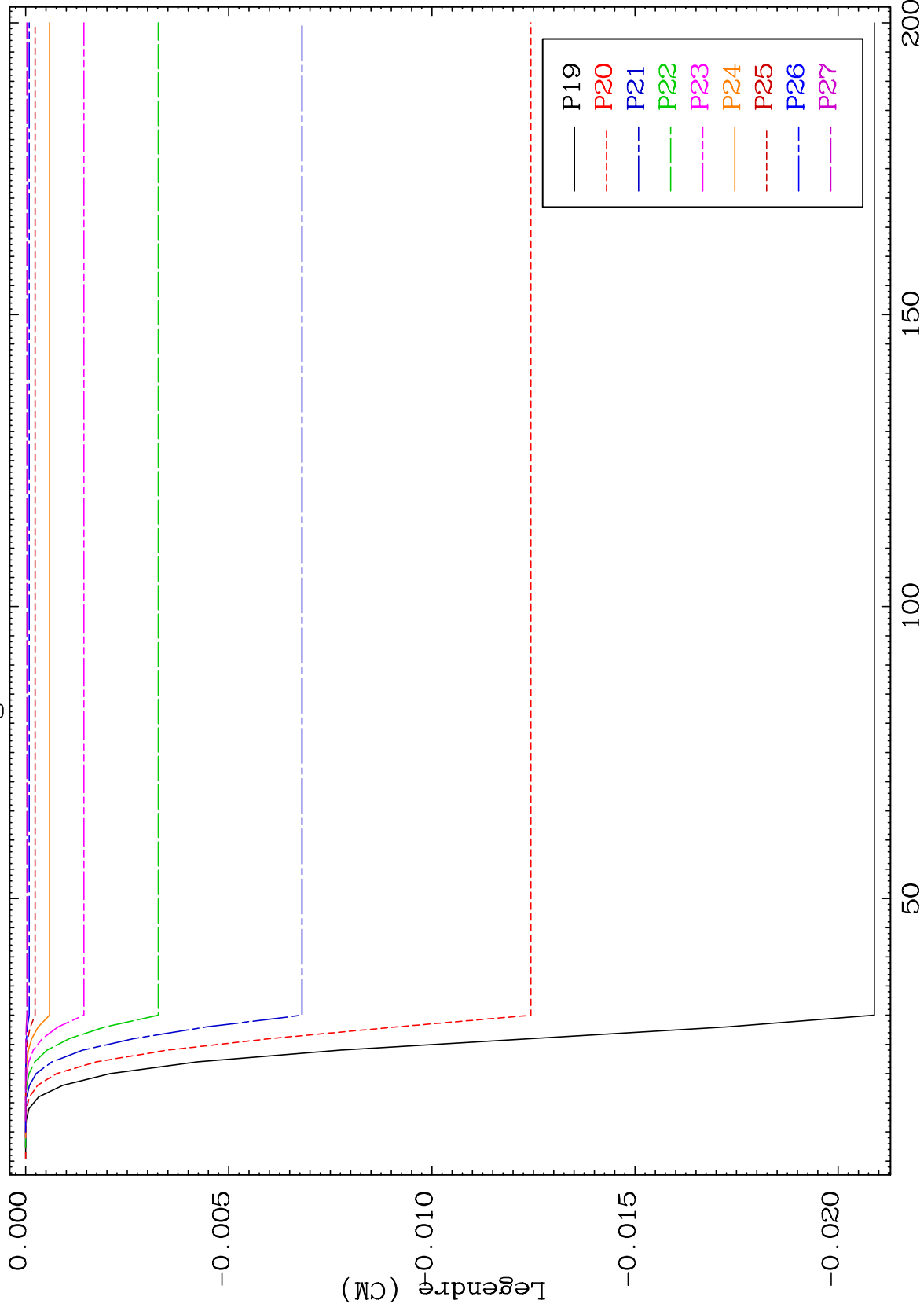
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35

Incident Energy (MeV)

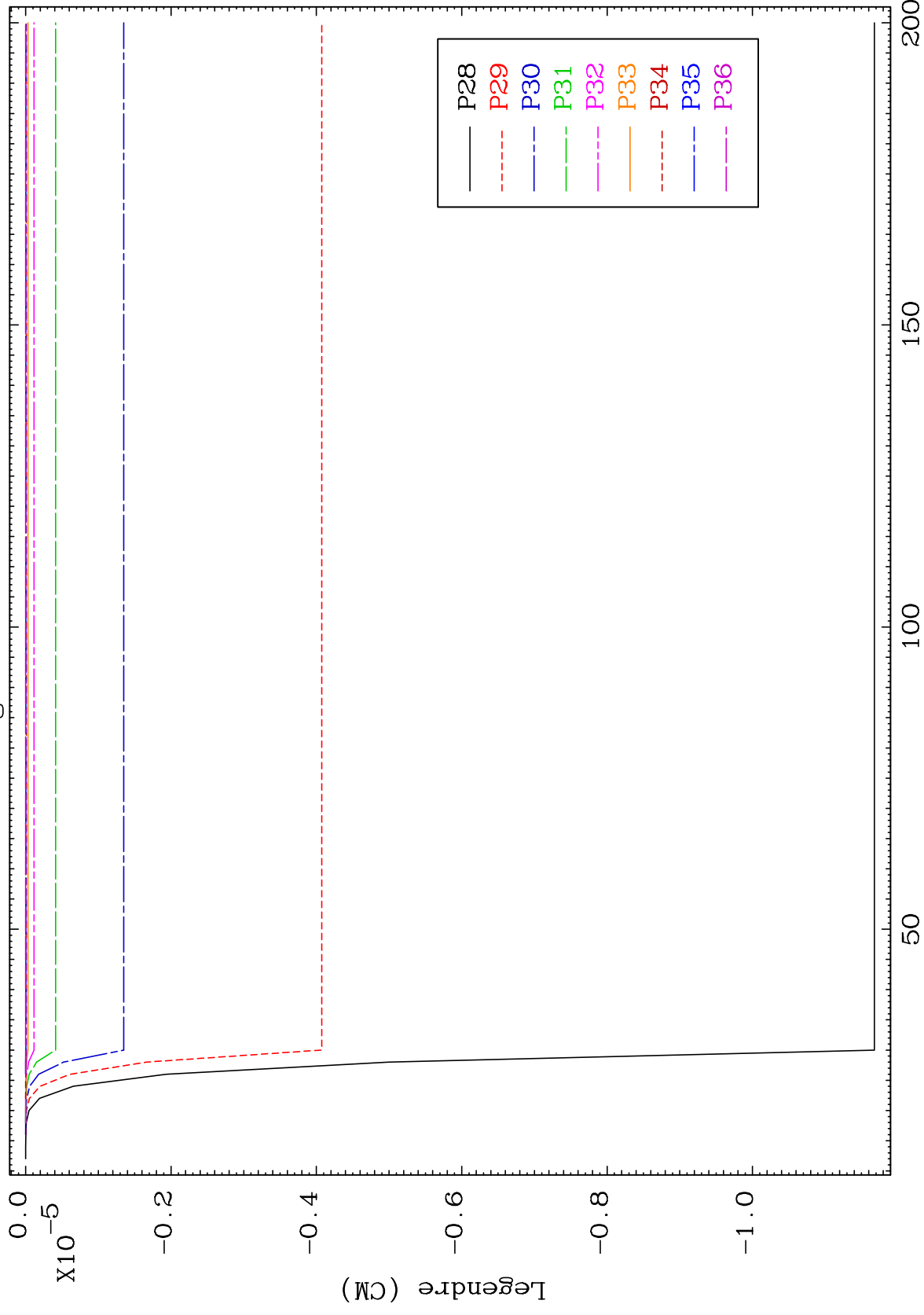
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MAT 6122

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

61-Pm-138



37

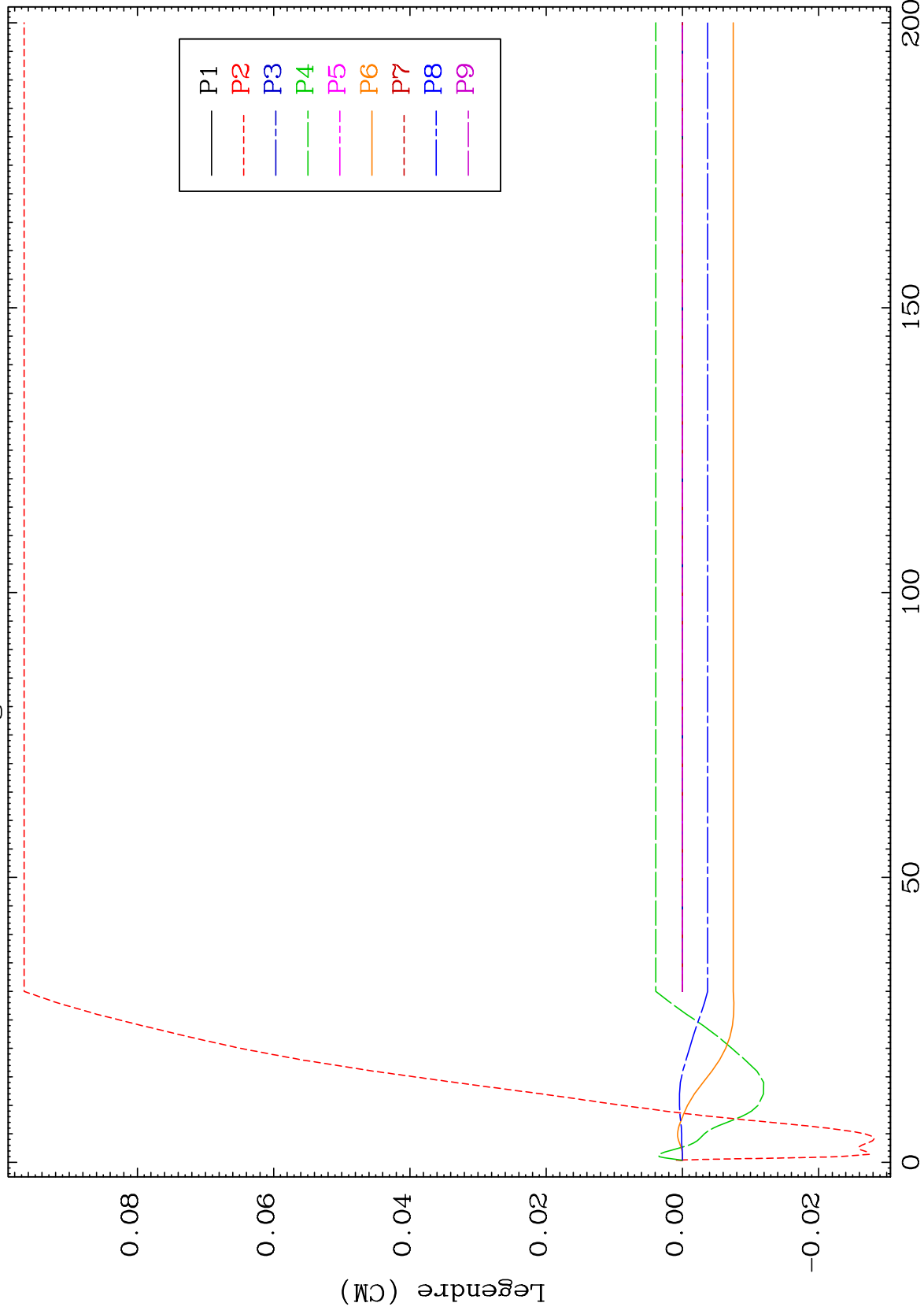
Incident Energy (MeV)

61-Pm-138

MAT 61222

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

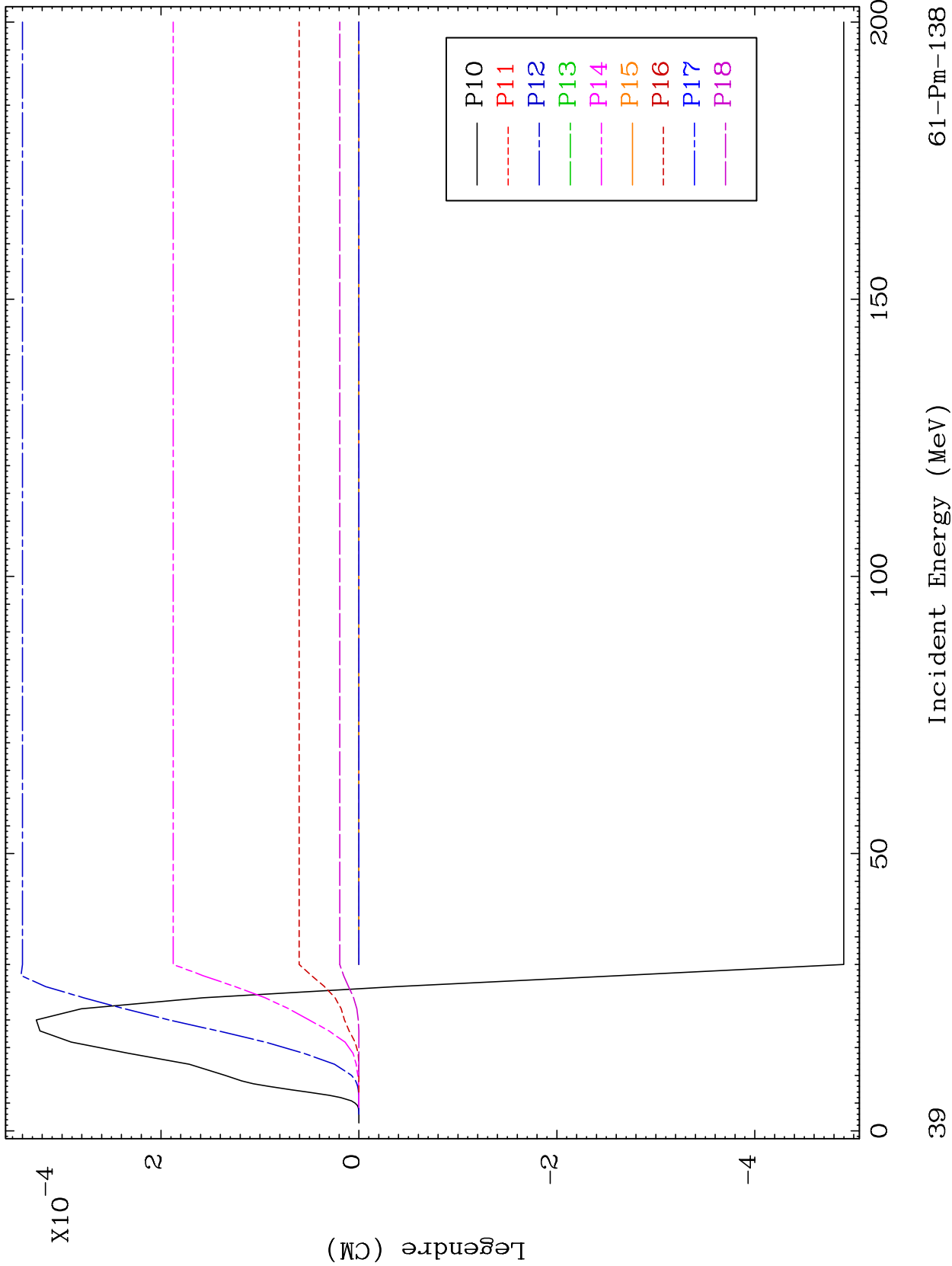
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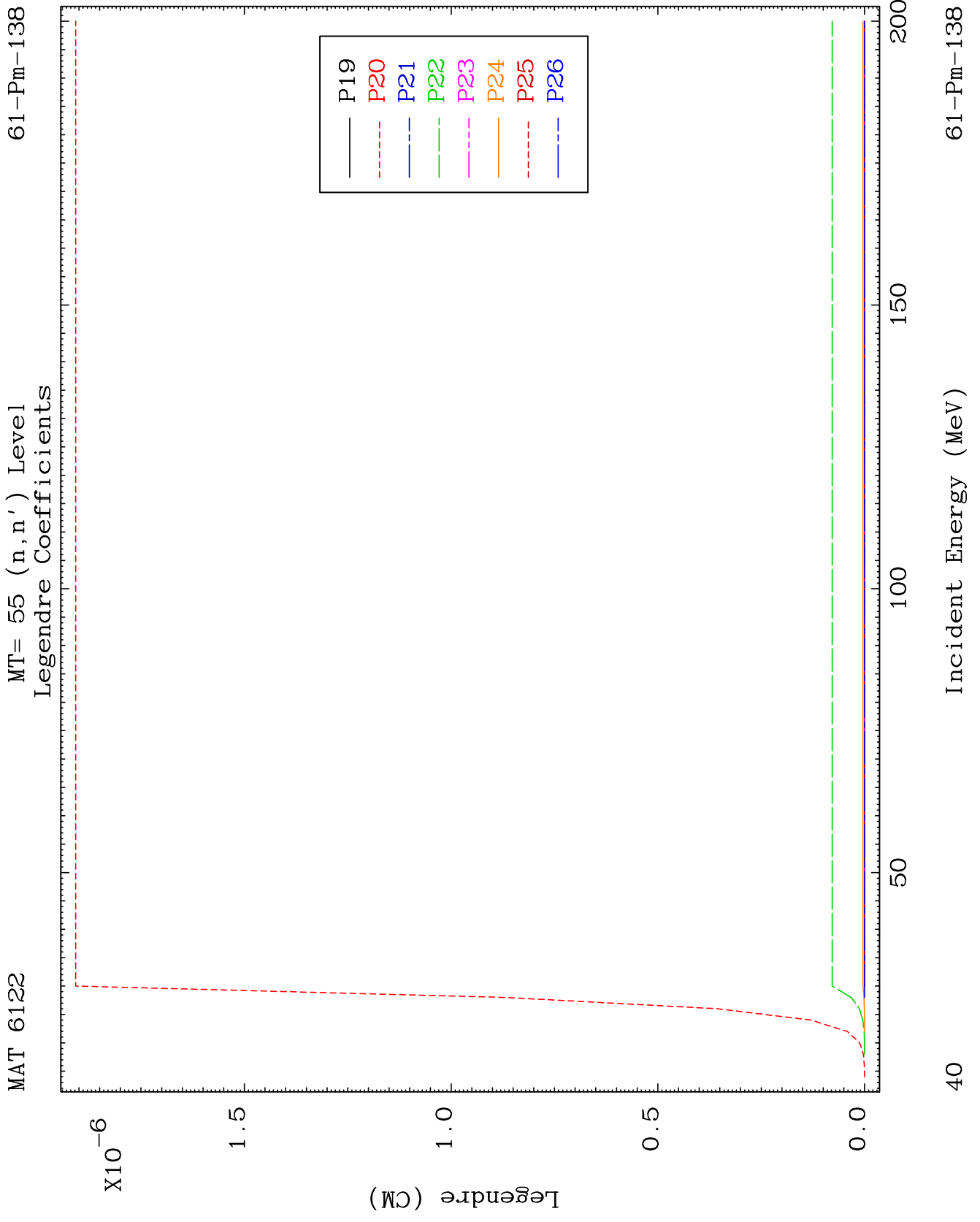


61-Pm-138

Incident Energy (MeV)

38

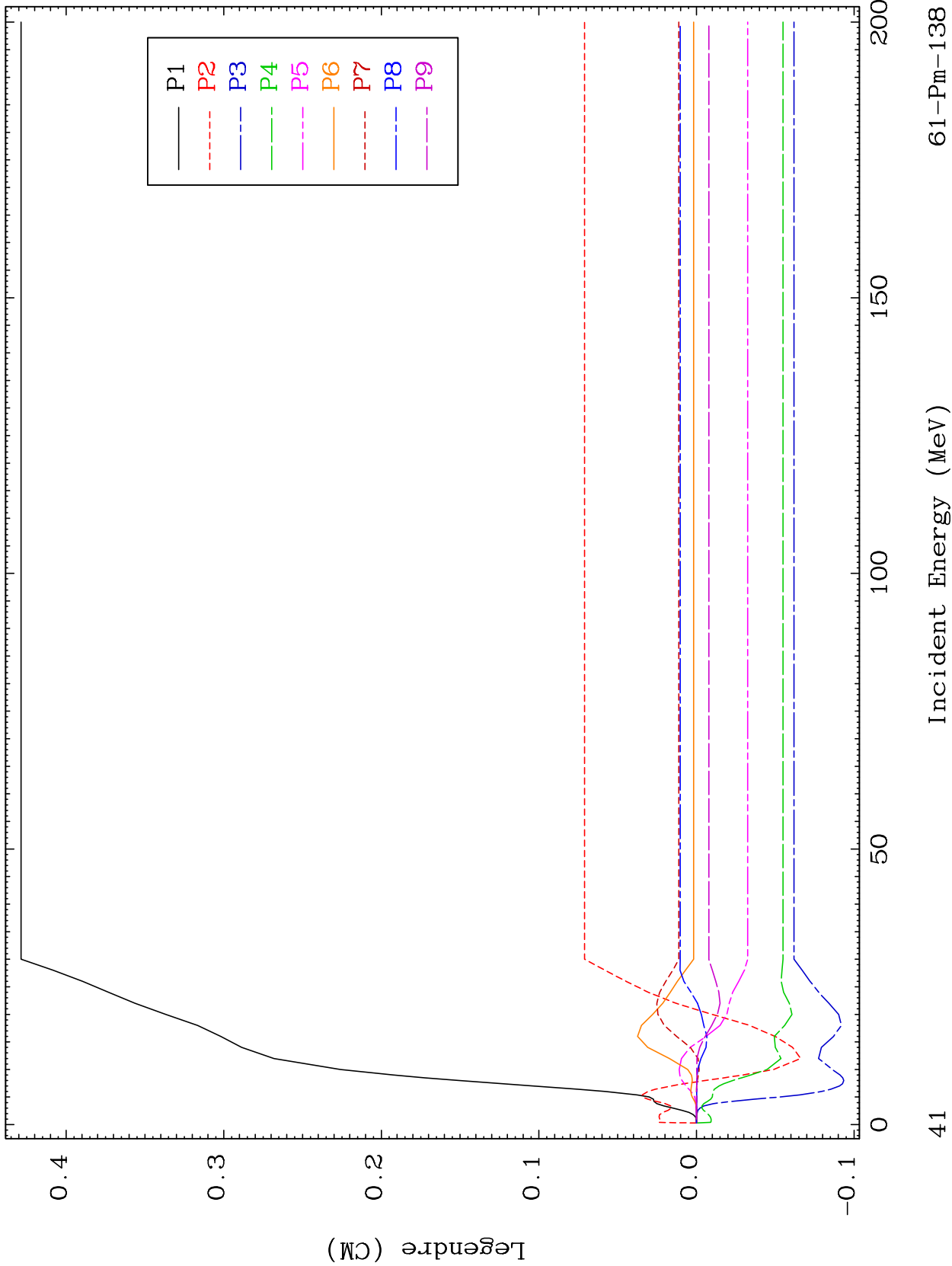




MAT 6122

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

61-Pm-138



61-Pm-138

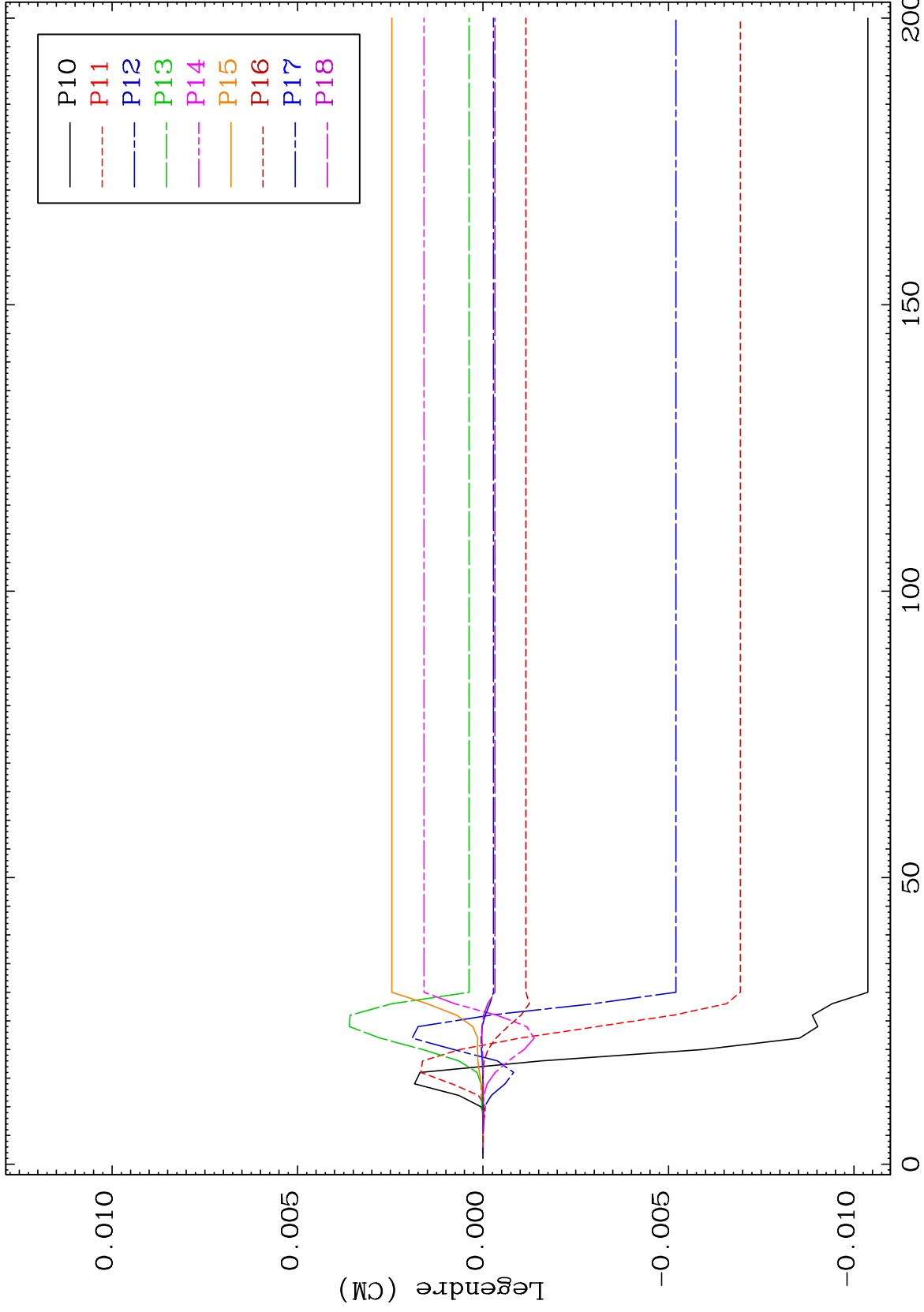
Incident Energy (MeV)

41

MAT 6122

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

61-Pm-138



42

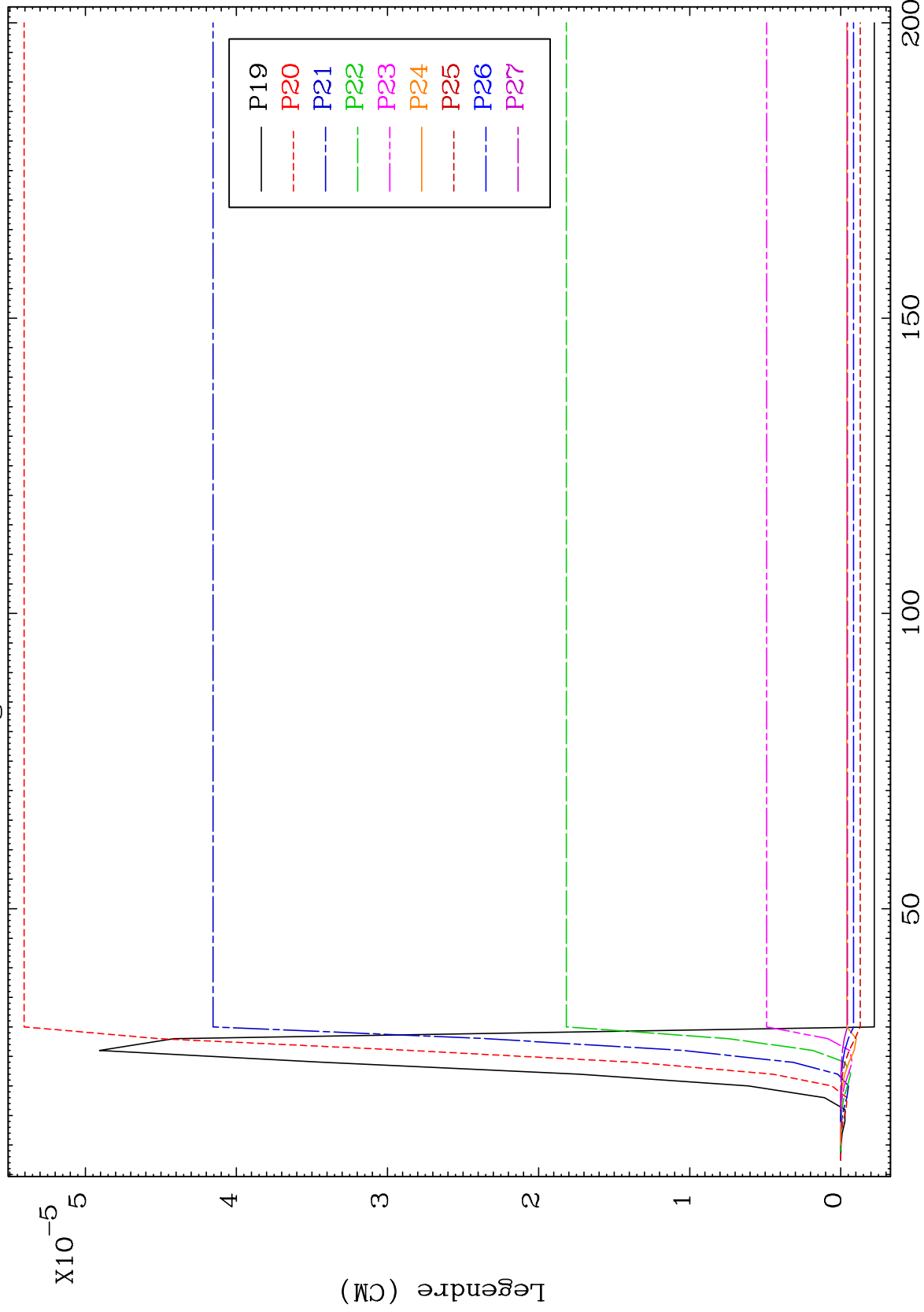
Incident Energy (MeV)

61-Pm-138

MAT 61222

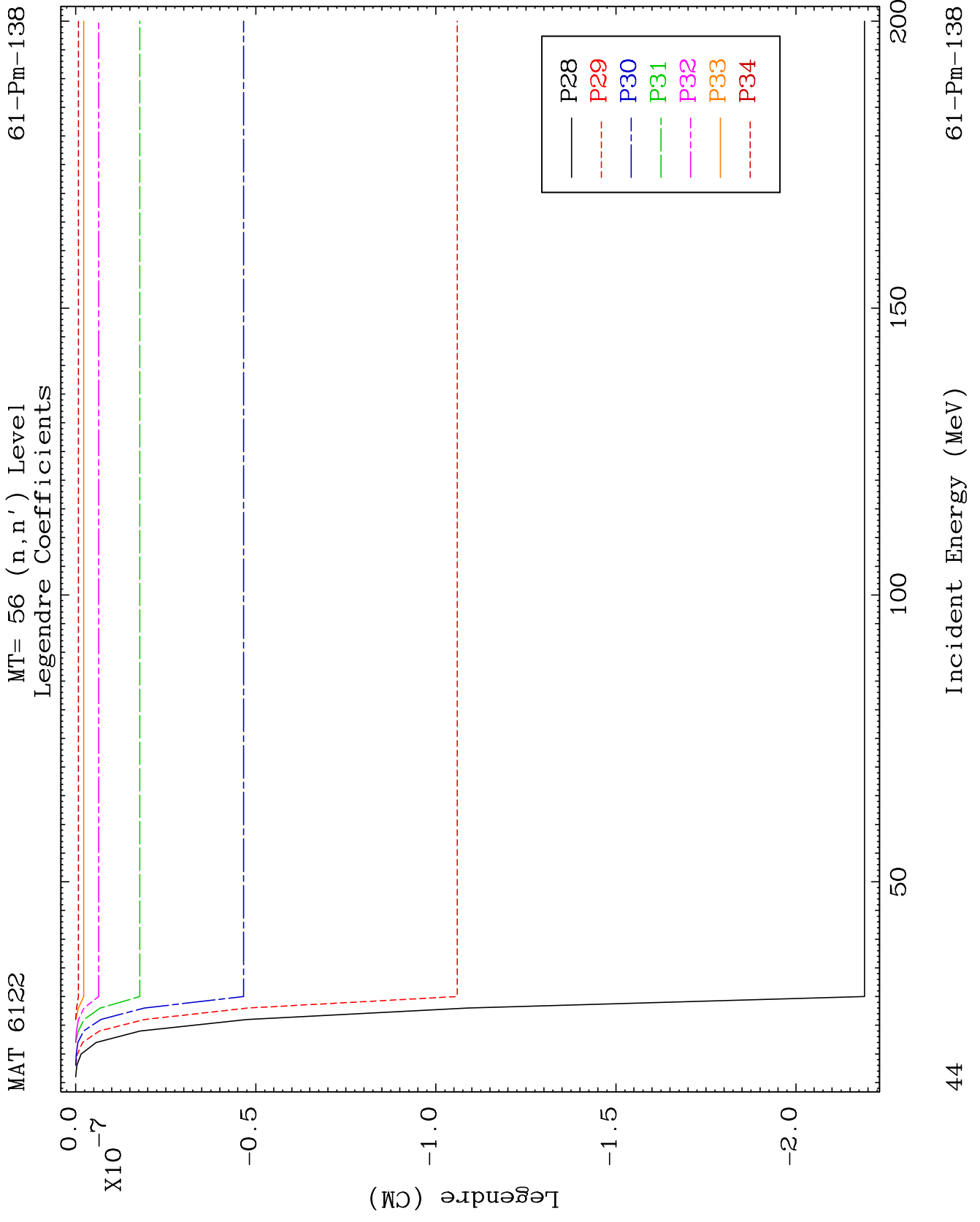
MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-138



43

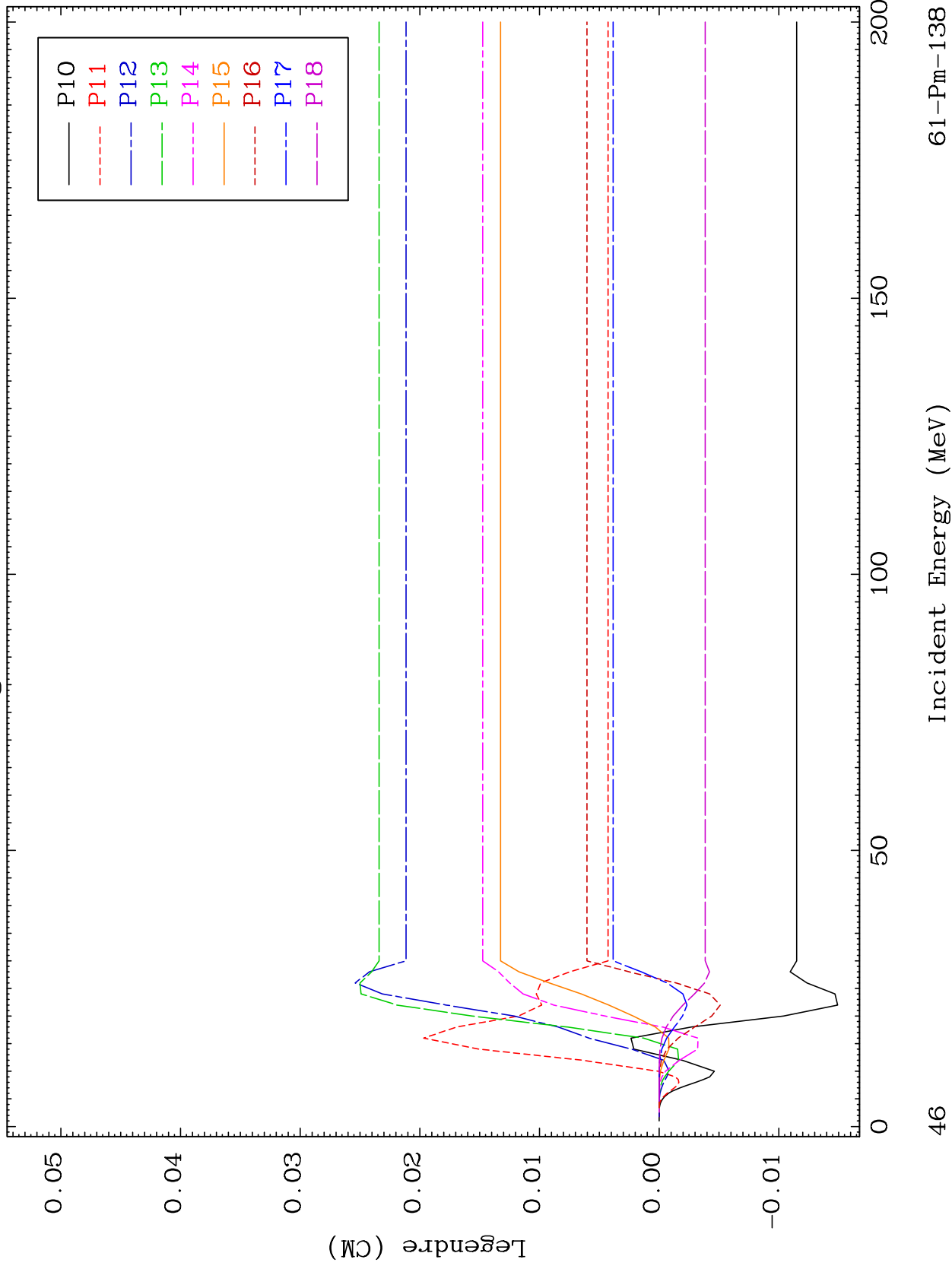
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MAT 6122

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

61-Pm-138



61-Pm-138

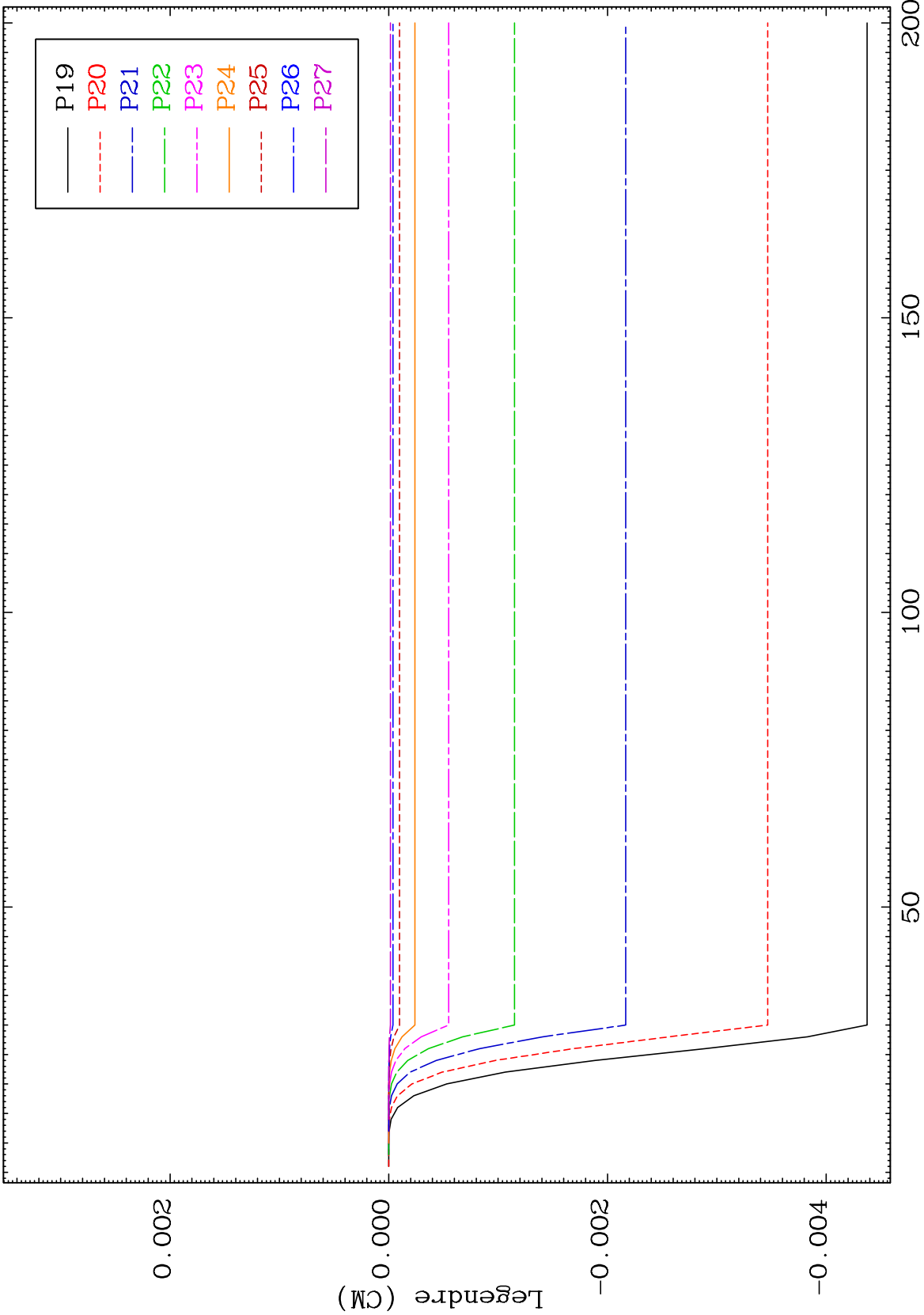
Incident Energy (MeV)

46

MAT 6122

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

61-Pm-138



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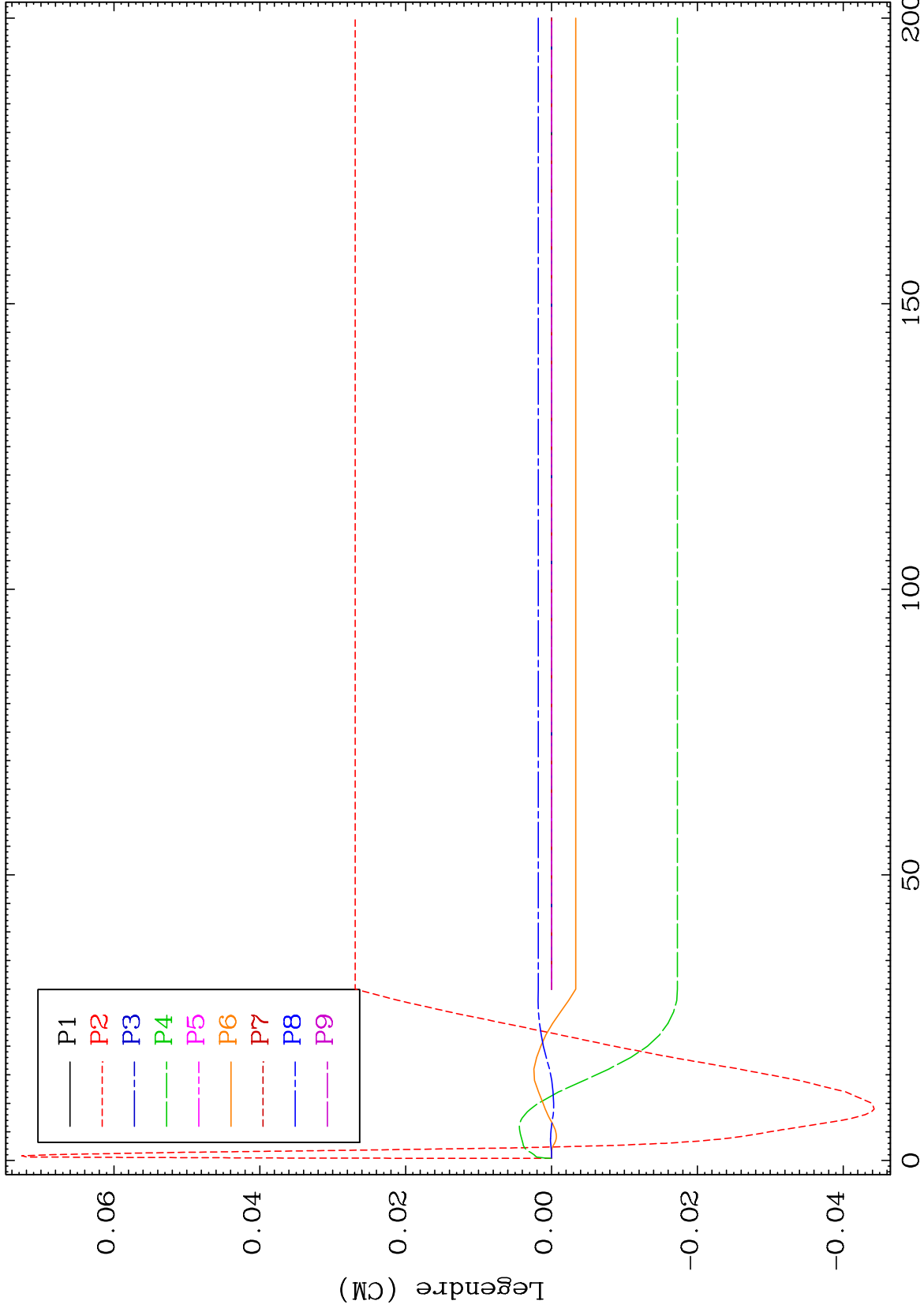
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



49

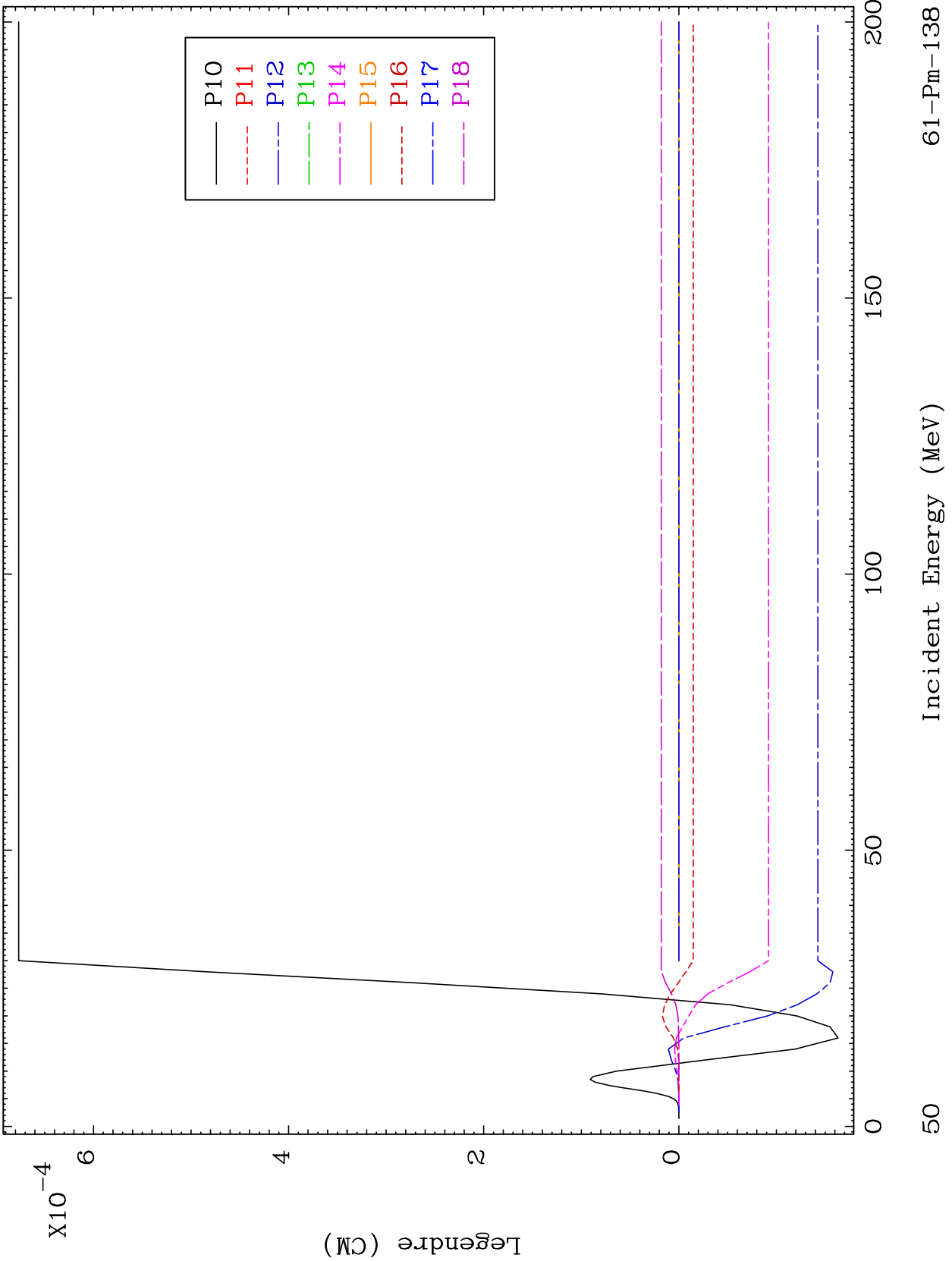
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

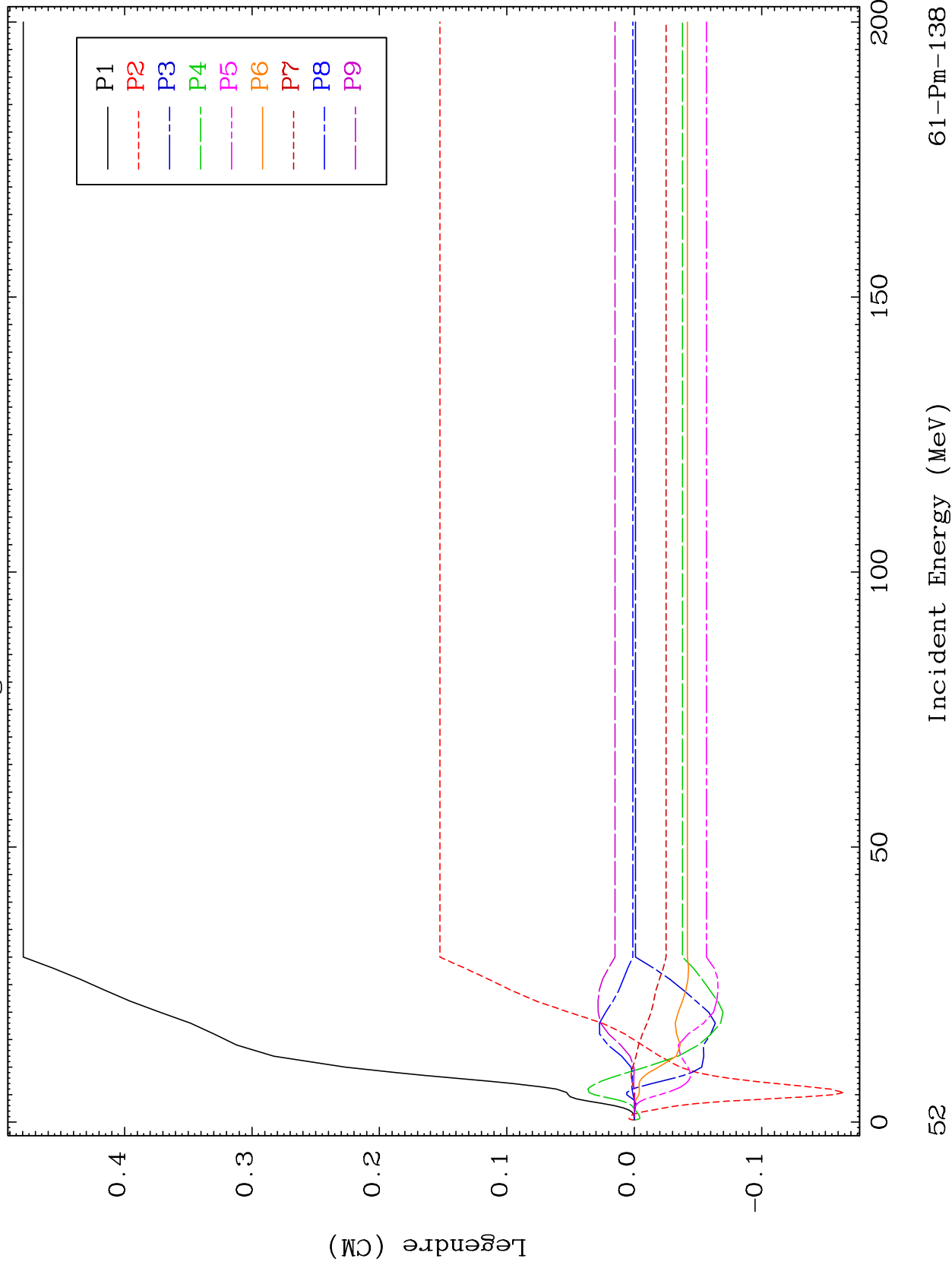
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MAT 6122

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

61-Pm-138



61-Pm-138

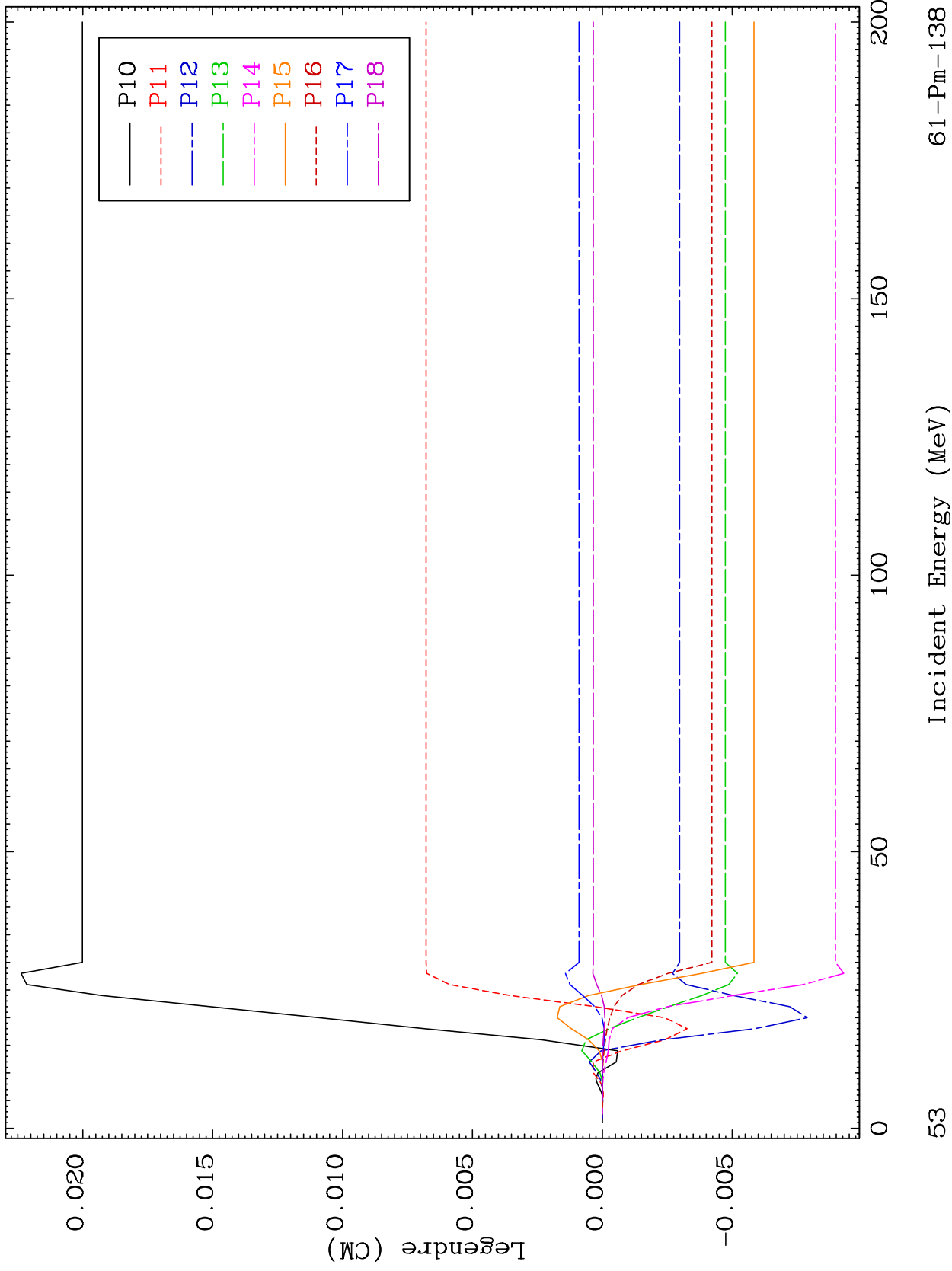
Incident Energy (MeV)

52

MAT 6122

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

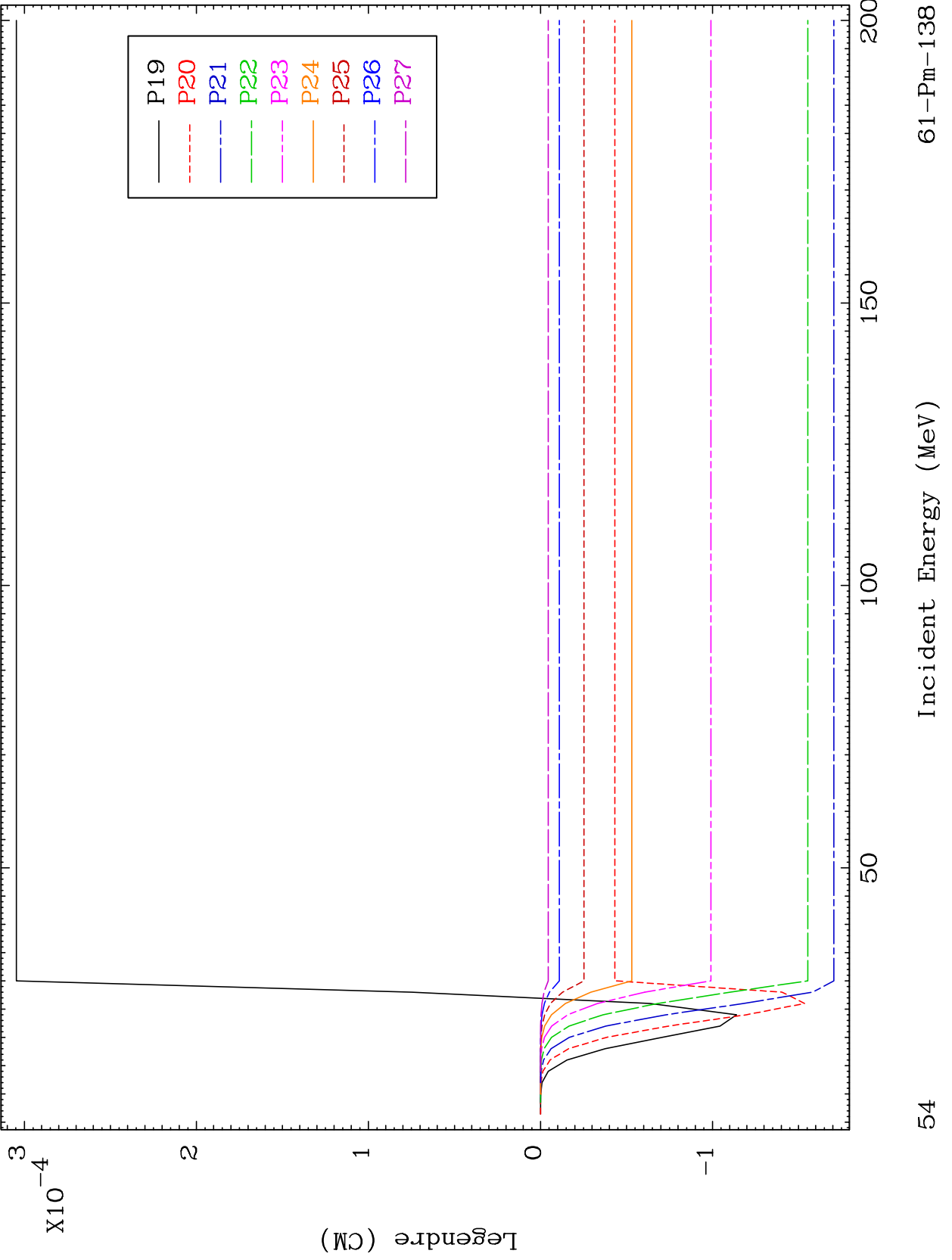
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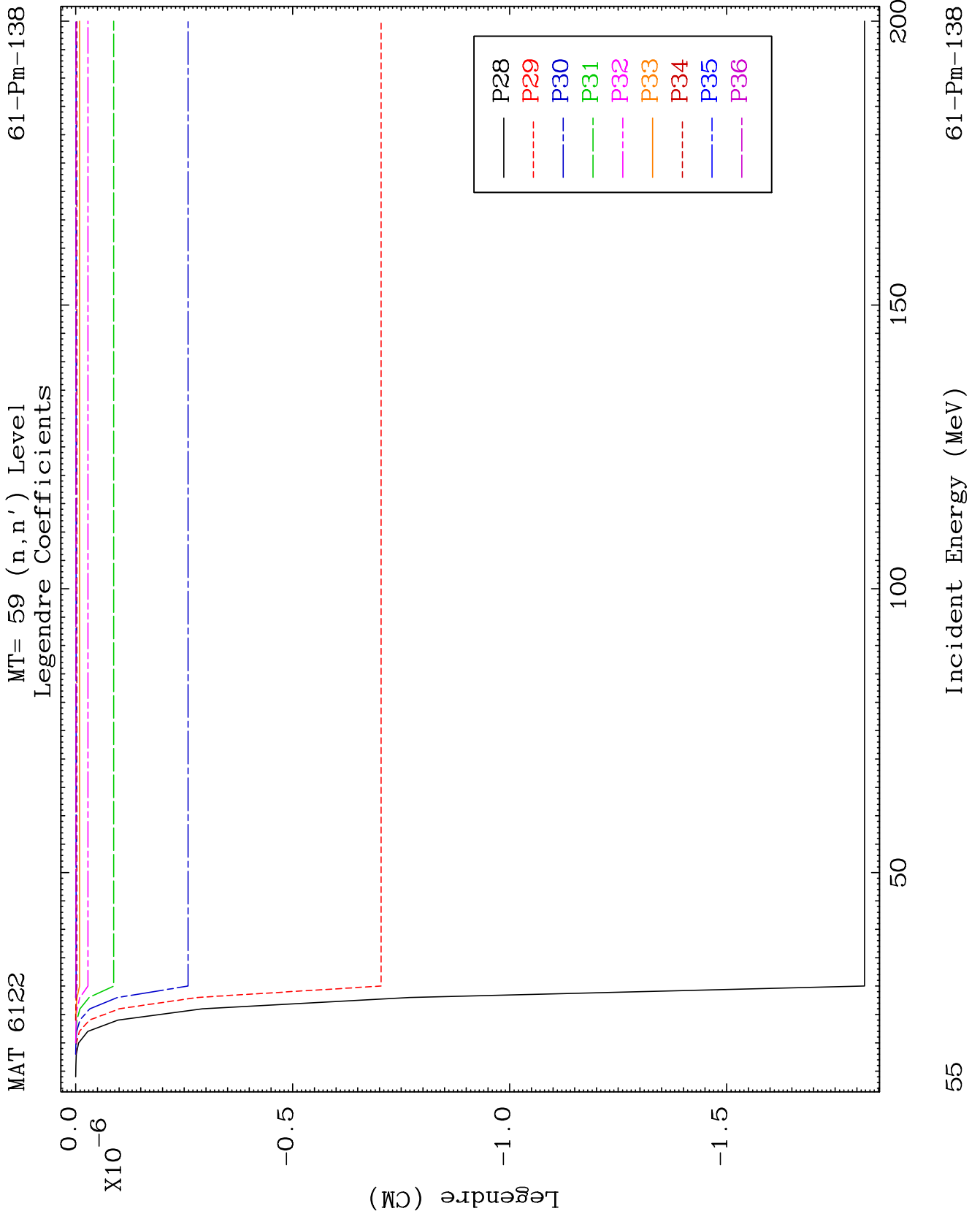


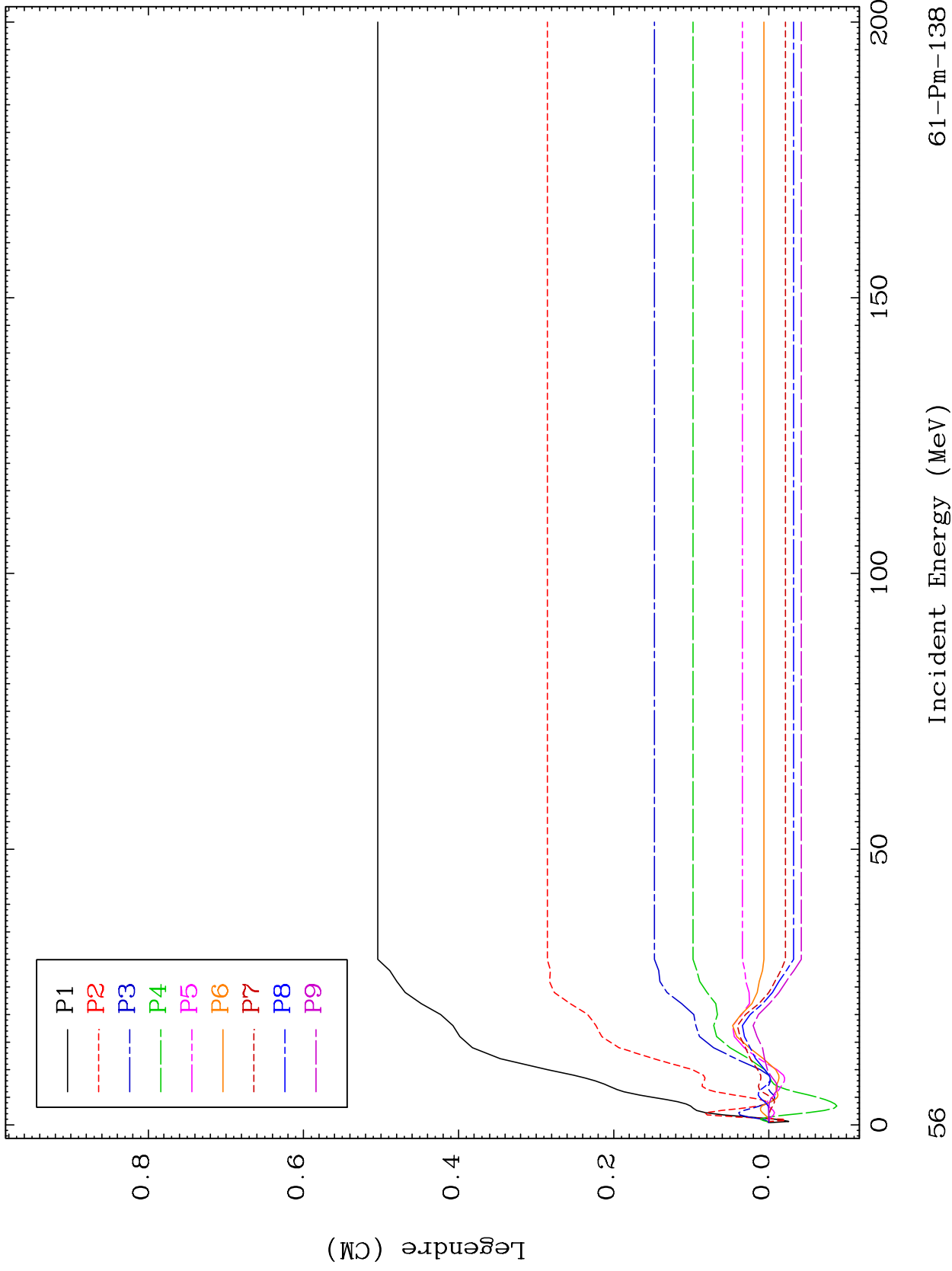
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Incident Energy (MeV)

61-Pm-138



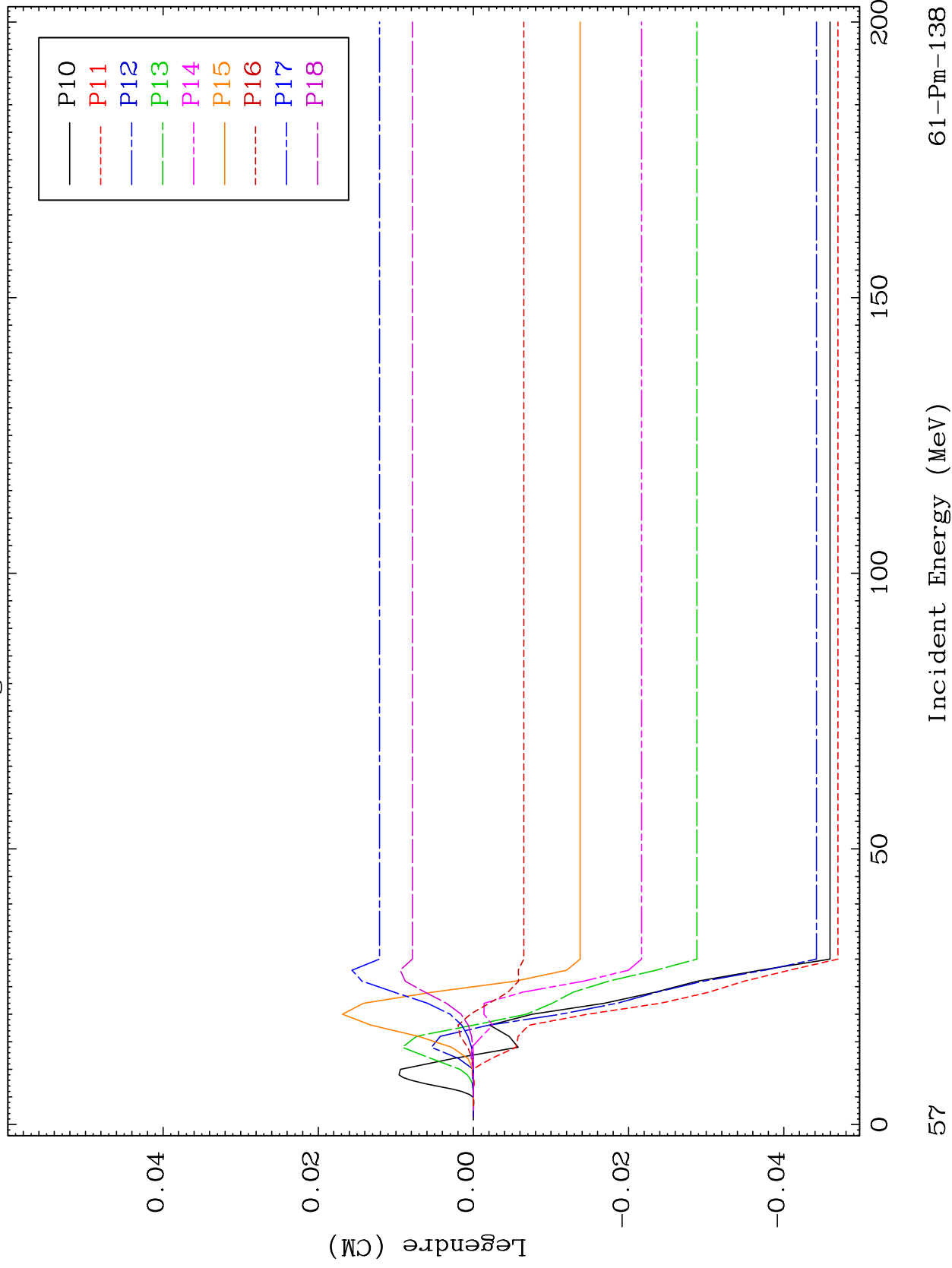


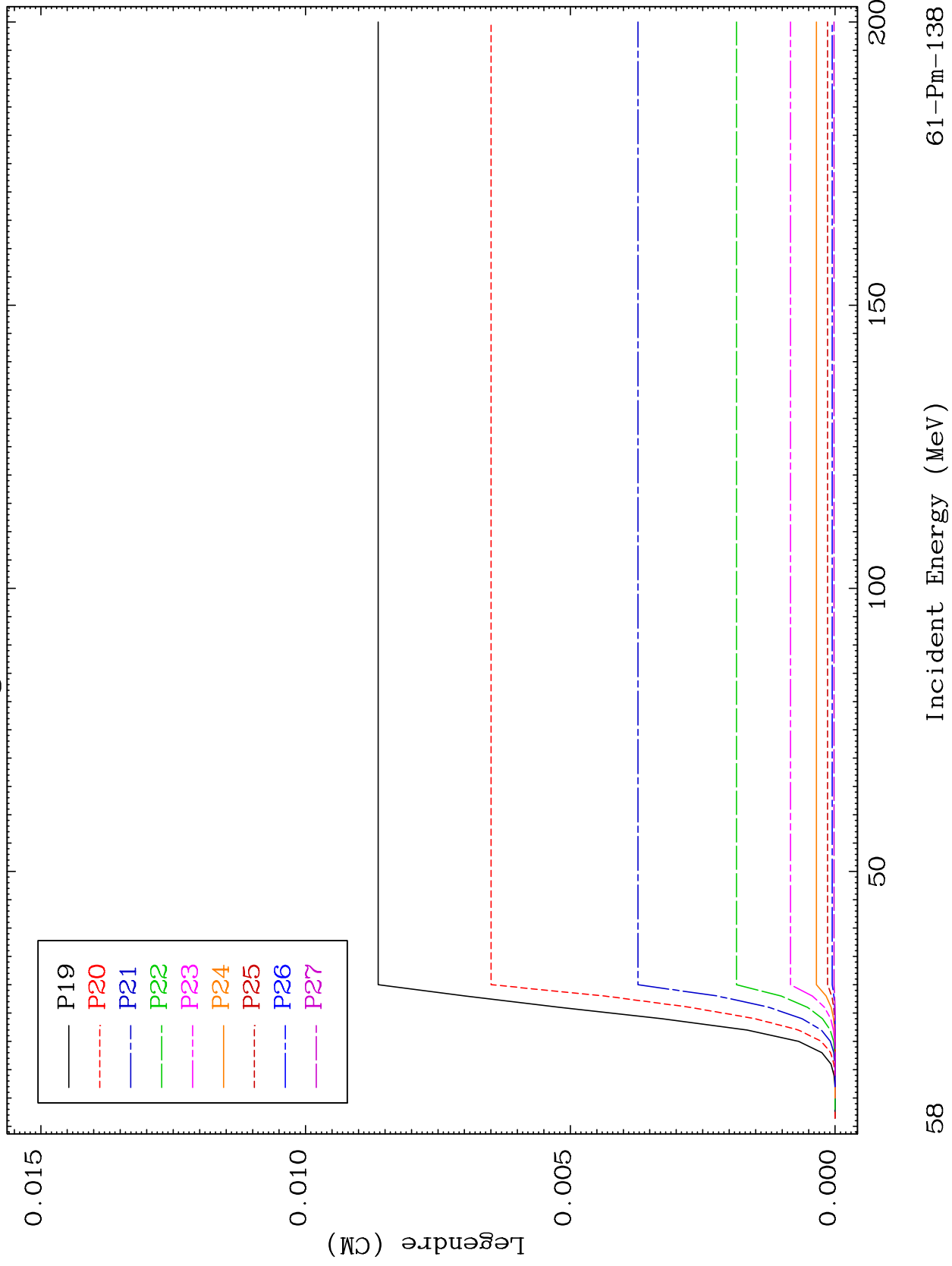


MAT 6122

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

61-Pm-138

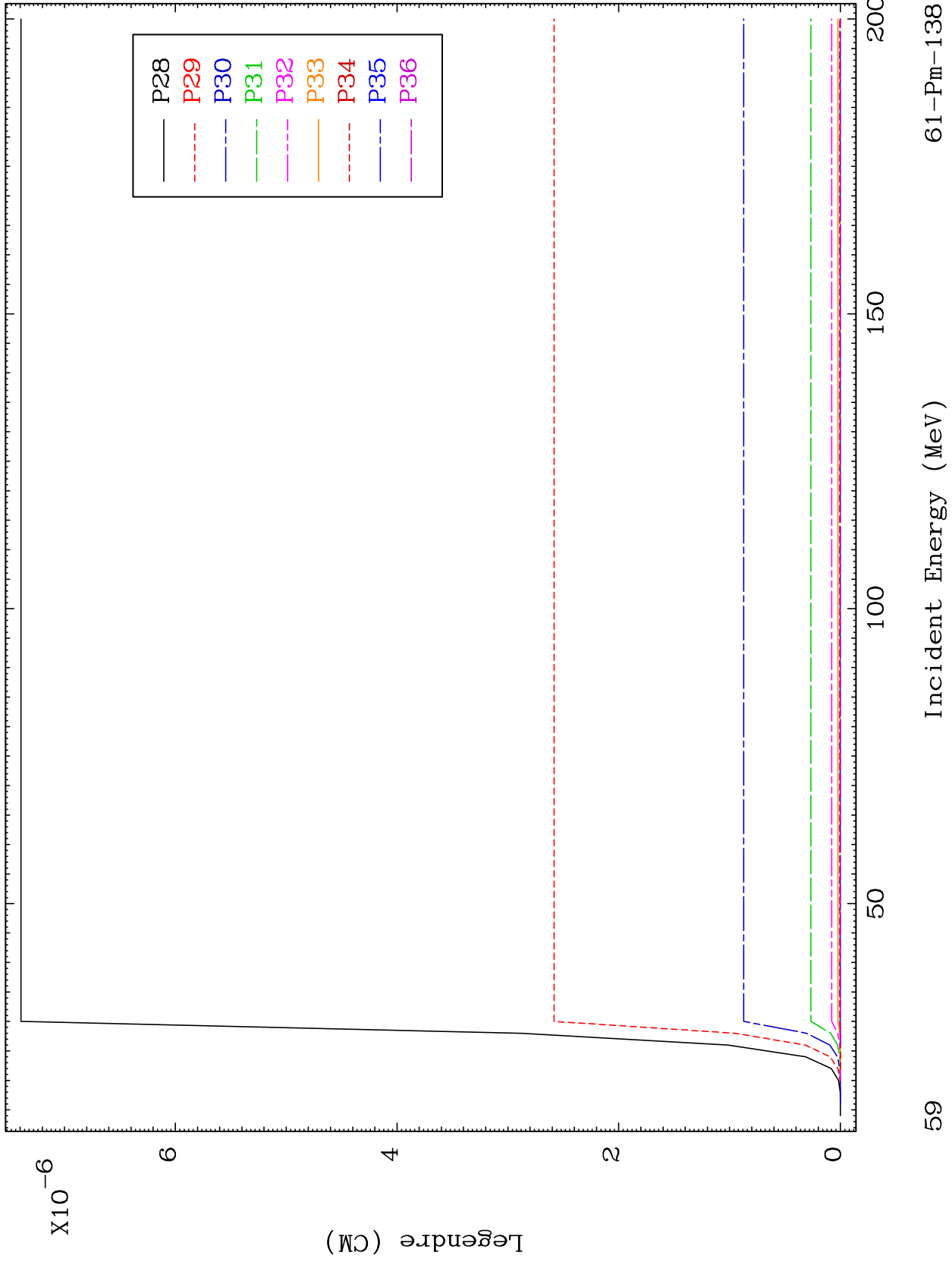




MAT 6122

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

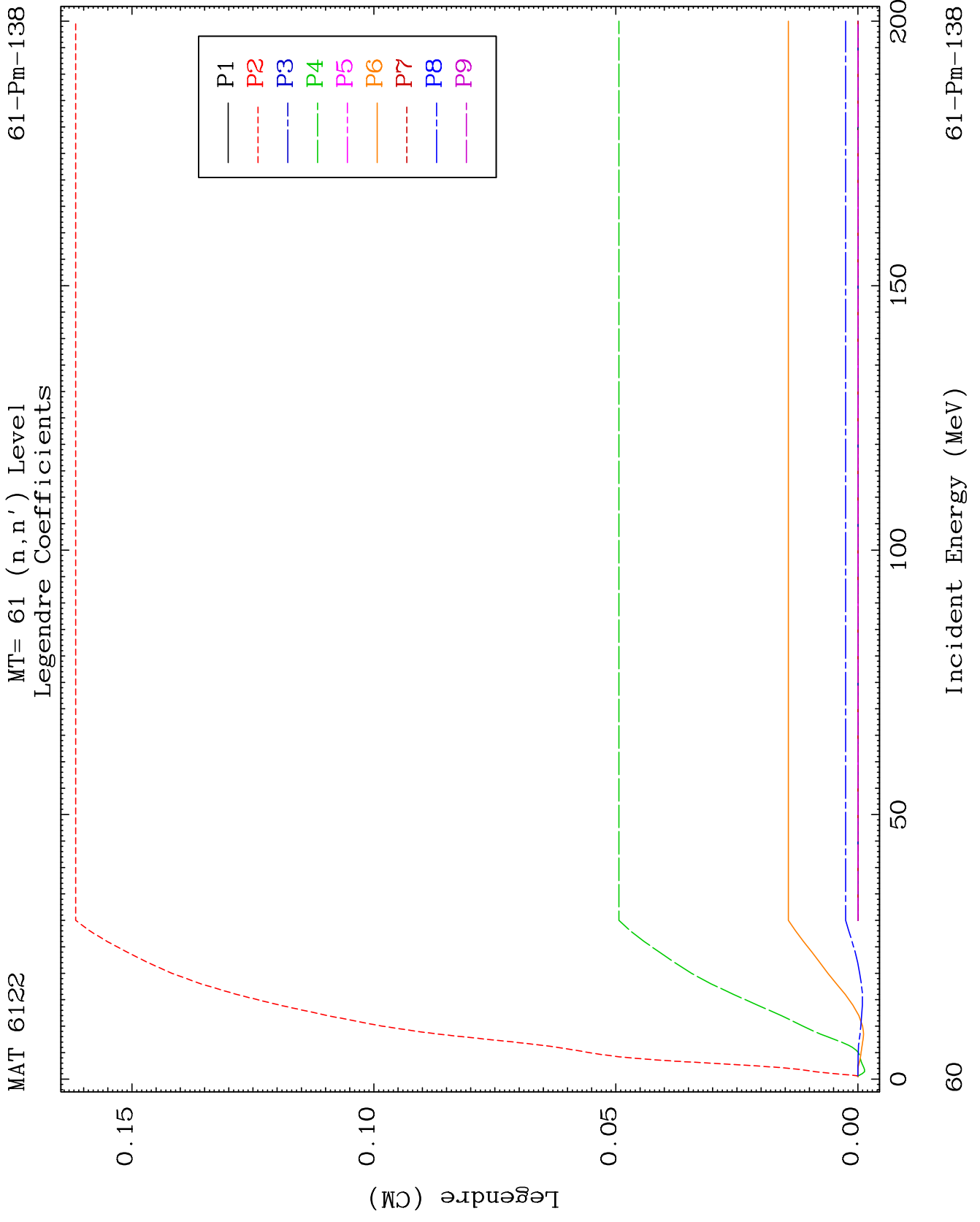
61-Pm-138



59

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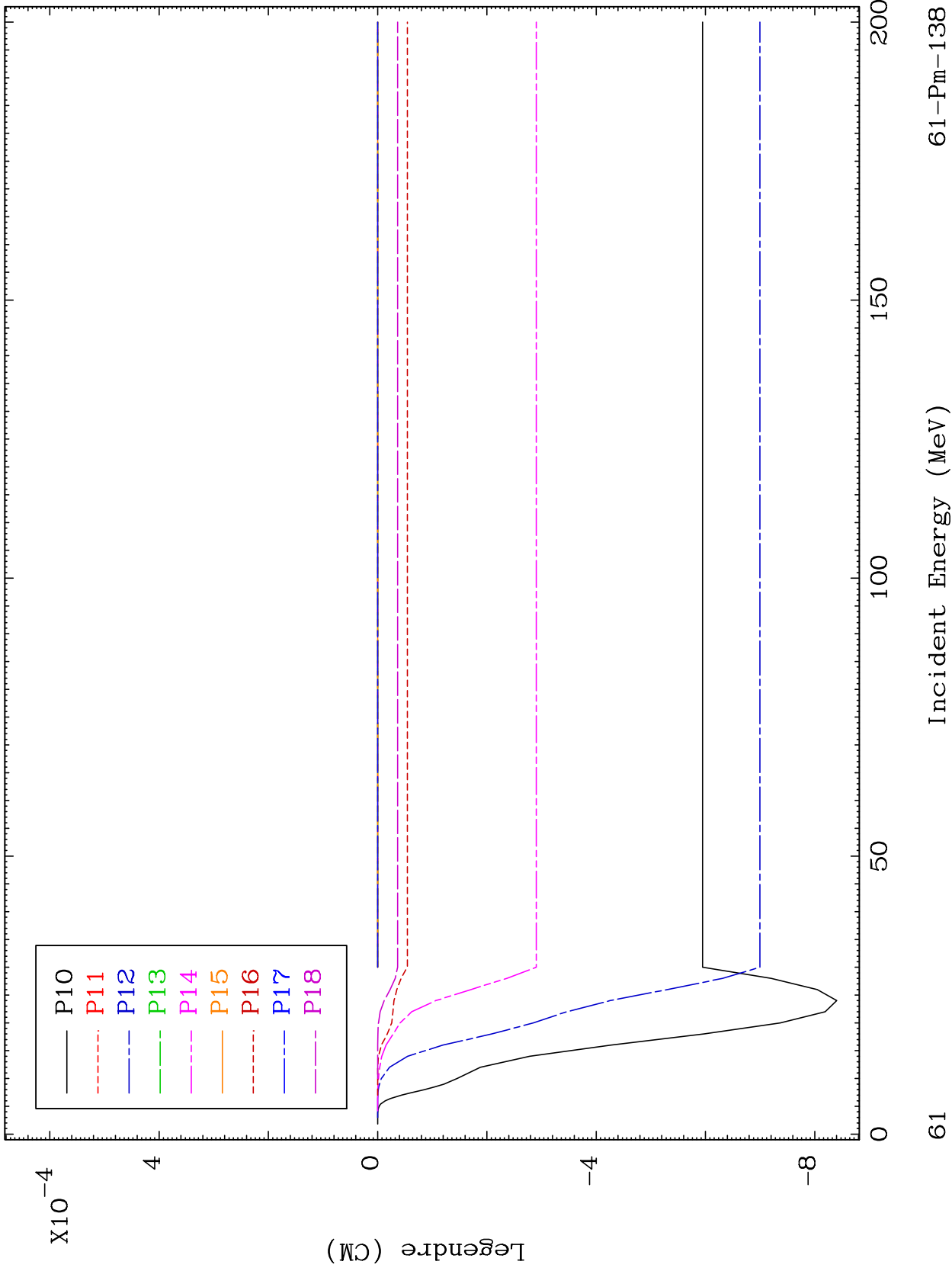
61-Pm-138



MAT 61222

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

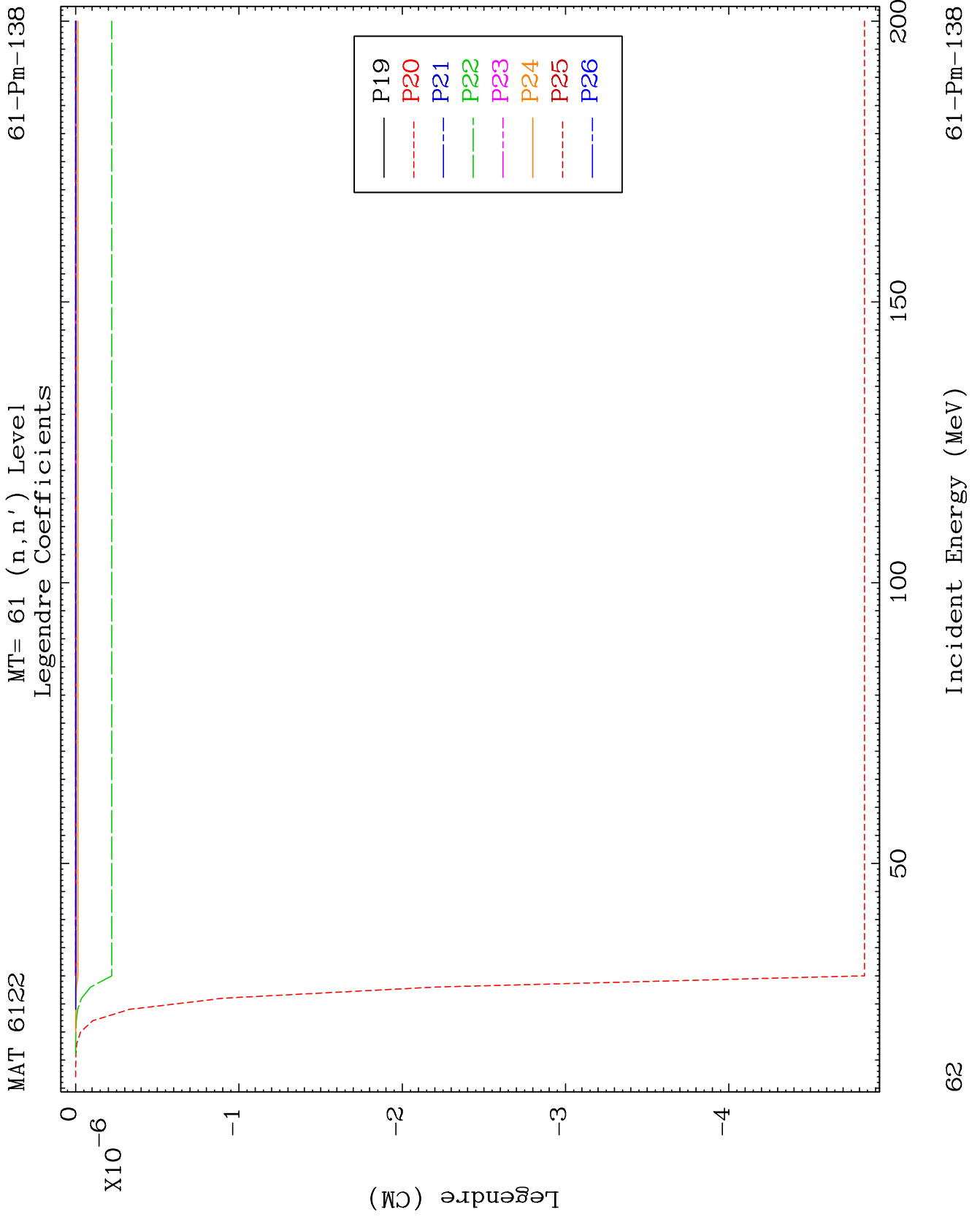
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61

Incident Energy (MeV)

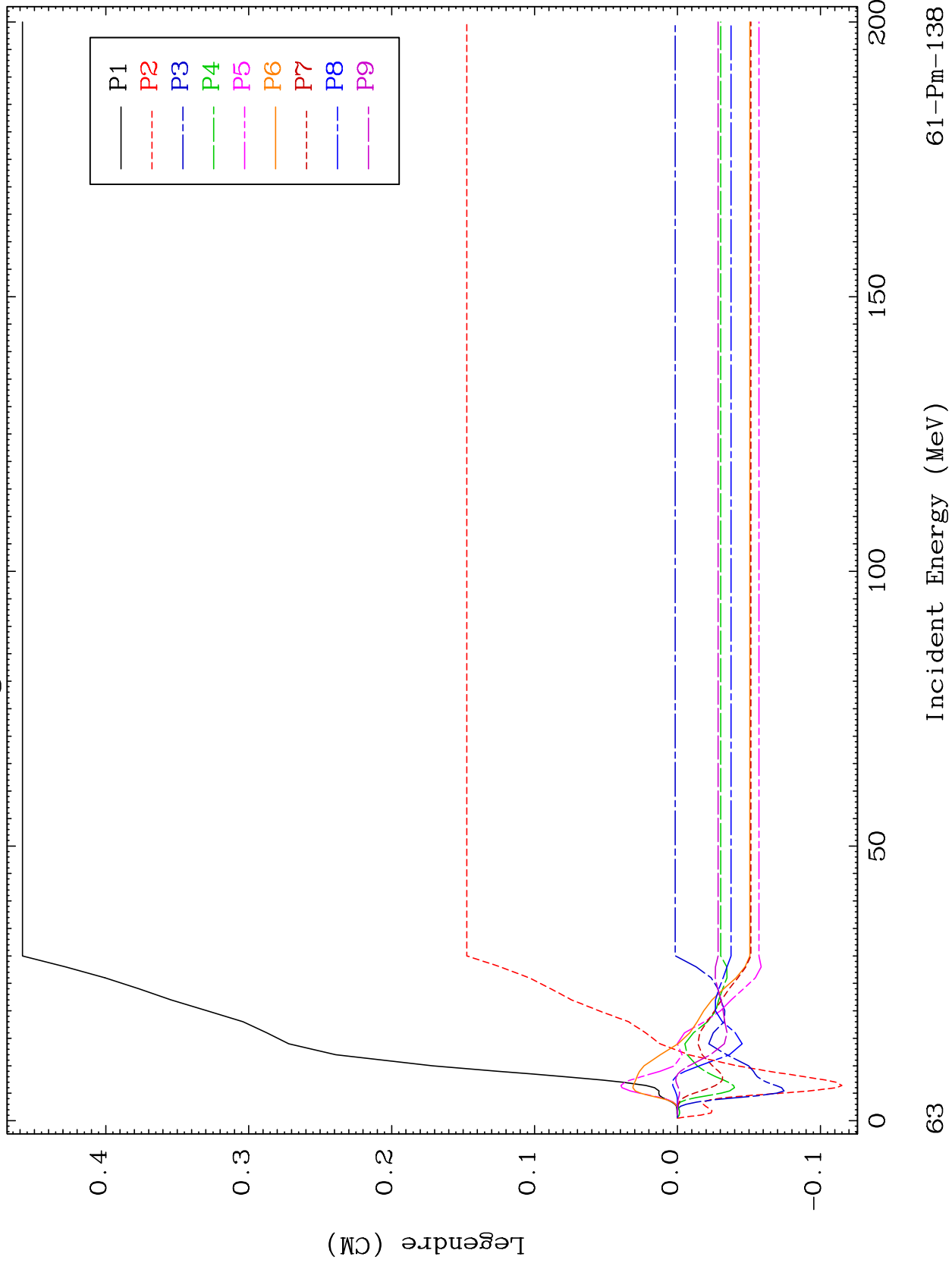
61-Pm-138



MAT 6122

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

61-Pm-138



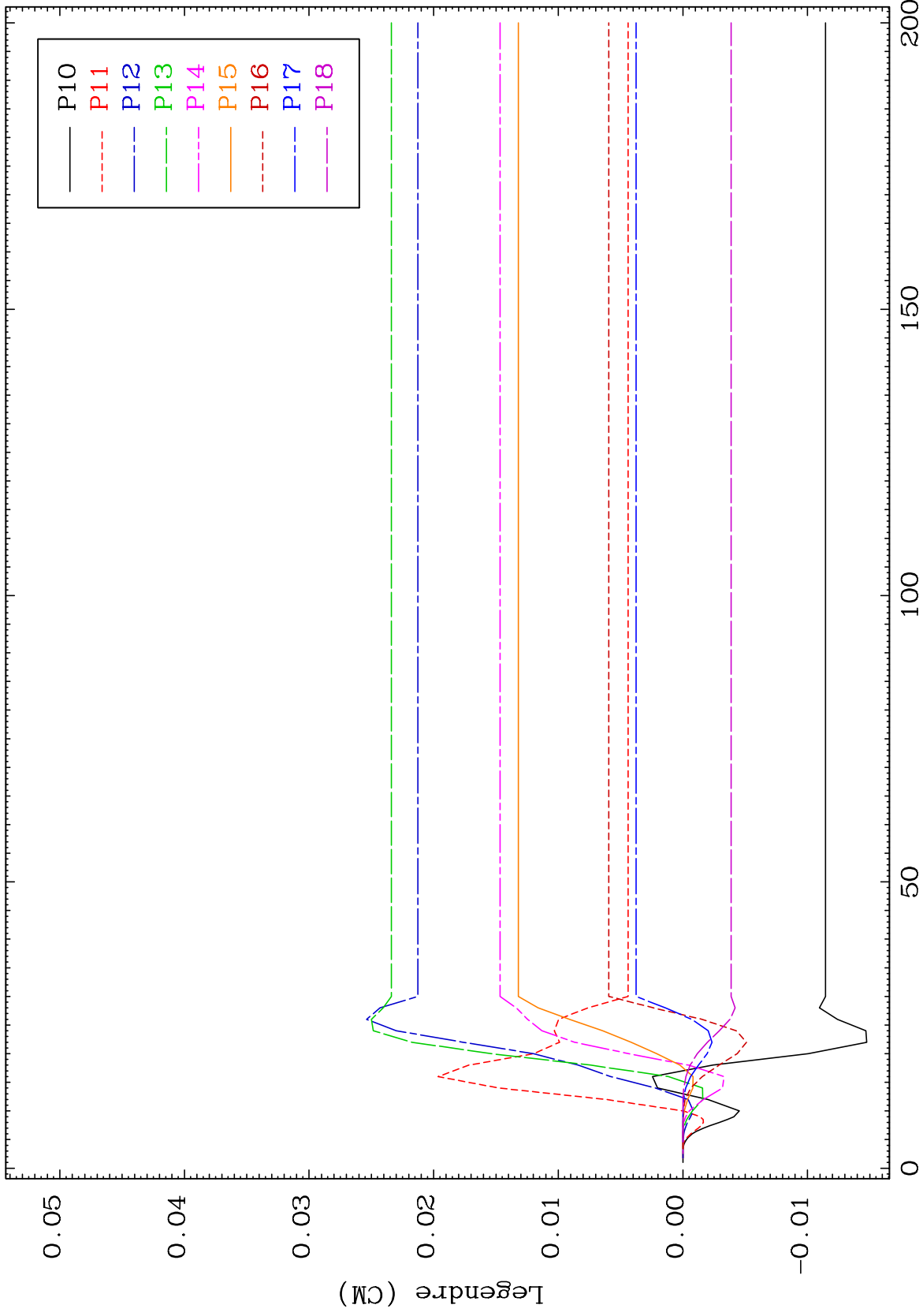
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61-Pm-138

MAT 6122

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

61-Pm-138



64

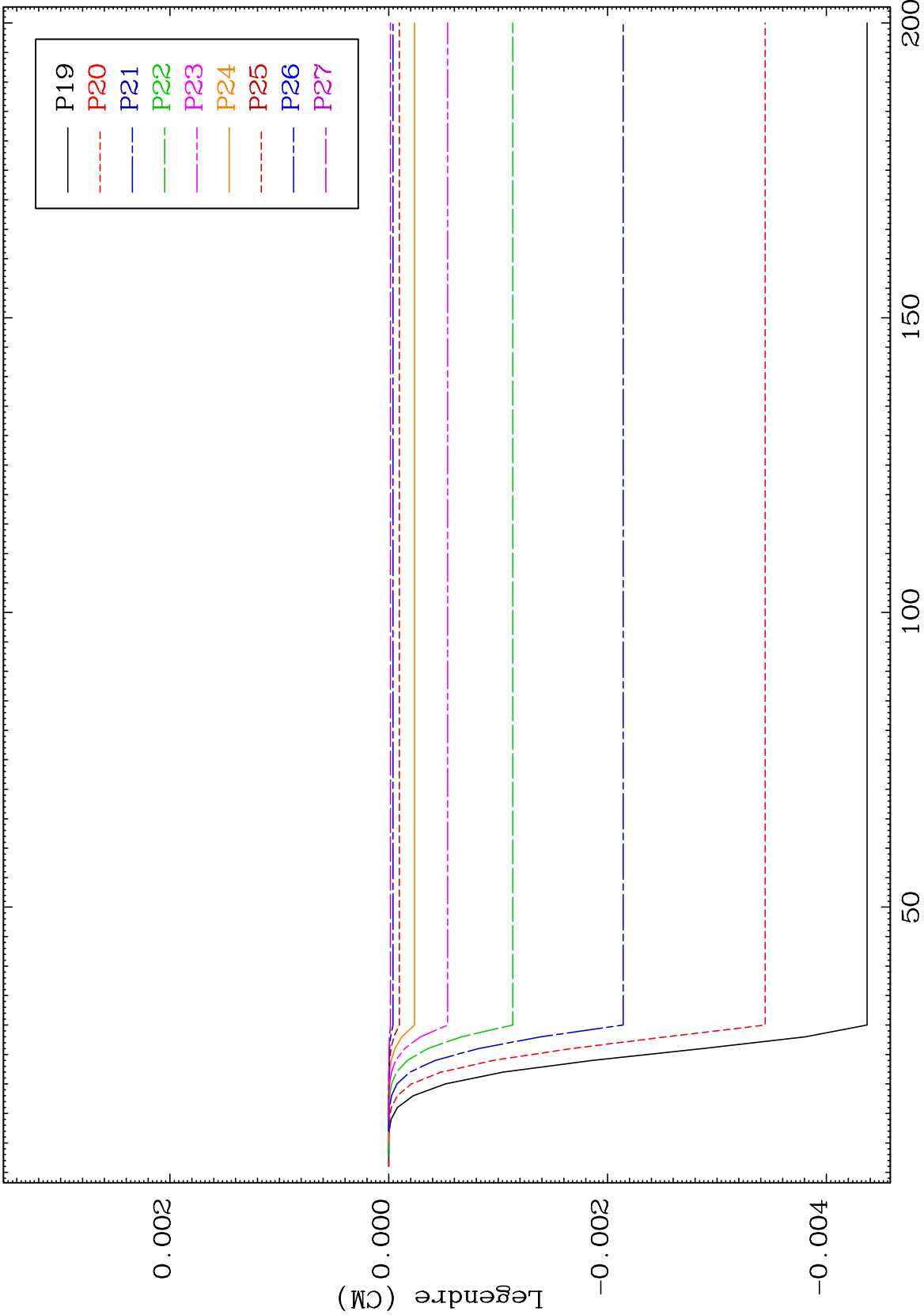
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



65

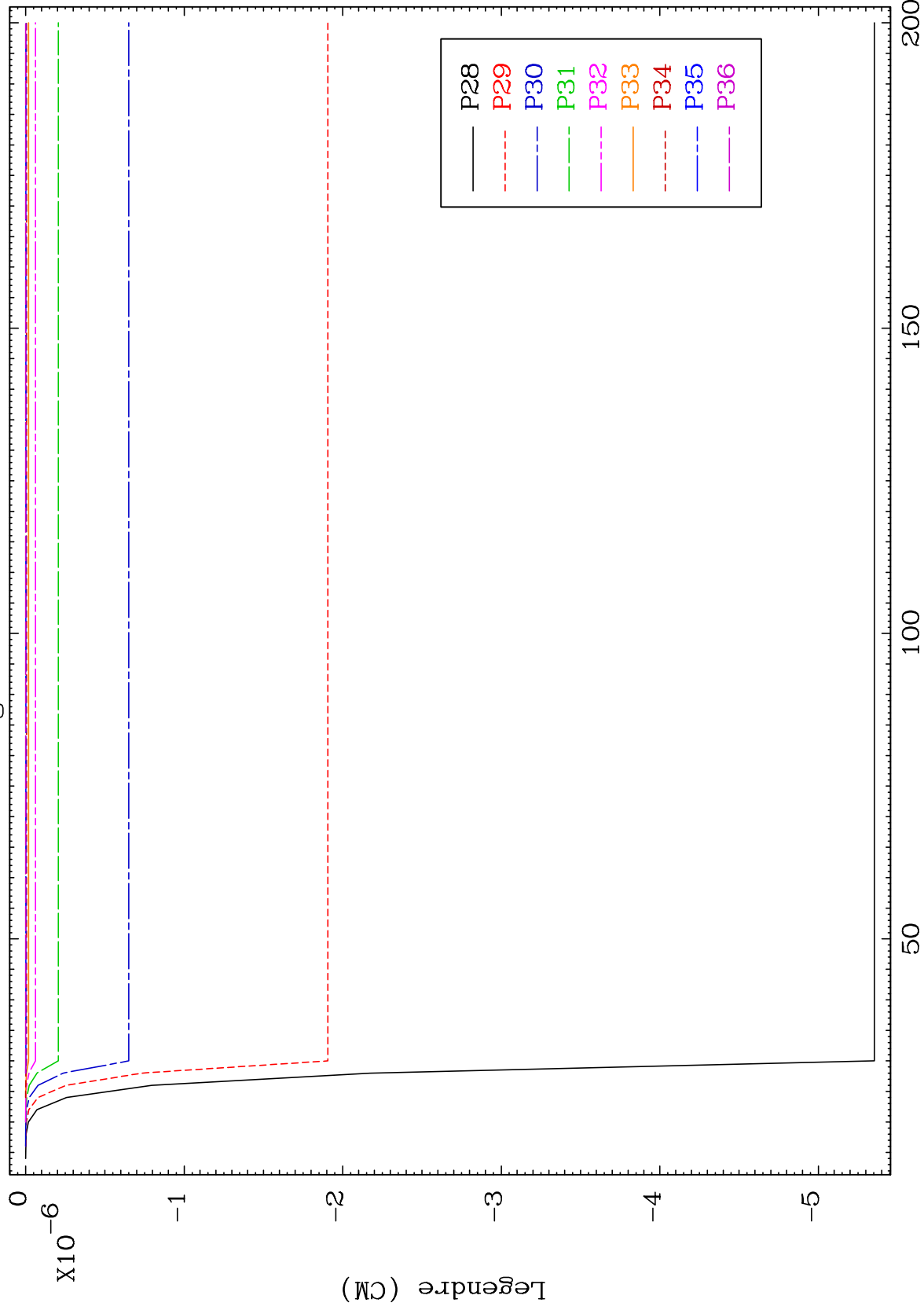
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



66

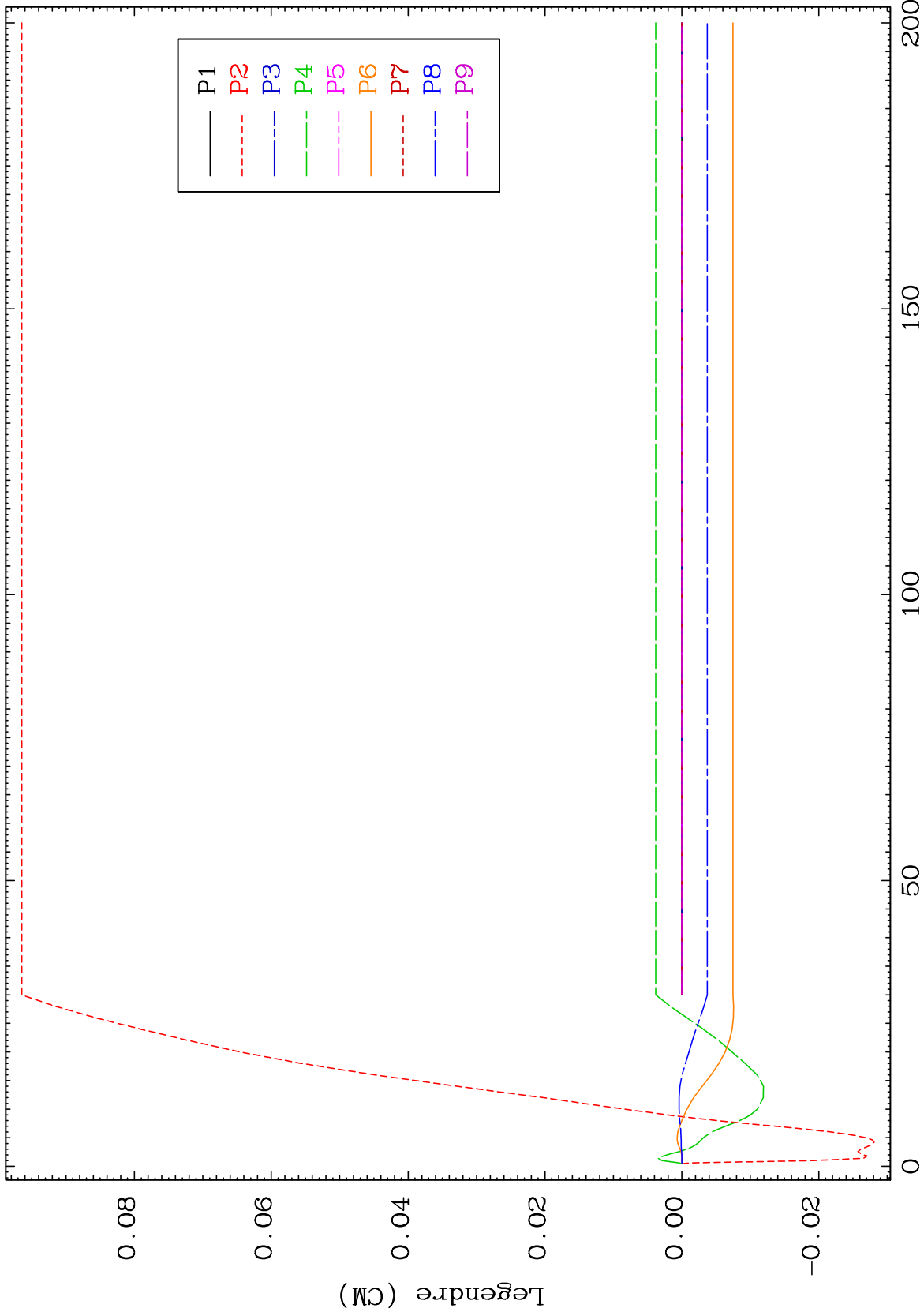
Incident Energy (MeV)

61-Pm-138

MAT 61222

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-138



61-Pm-138

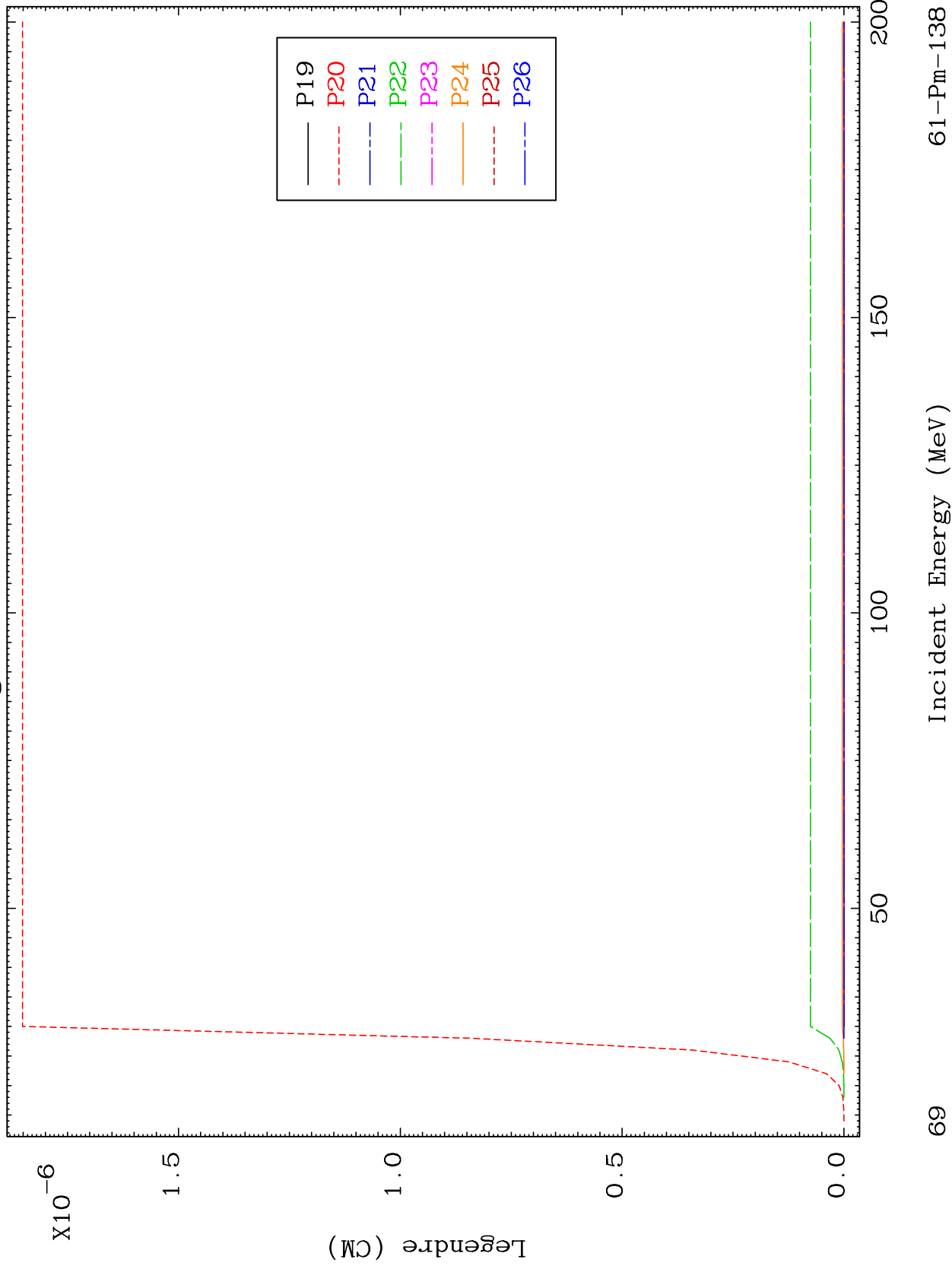
Incident Energy (MeV)

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MAT 6122

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-138



69

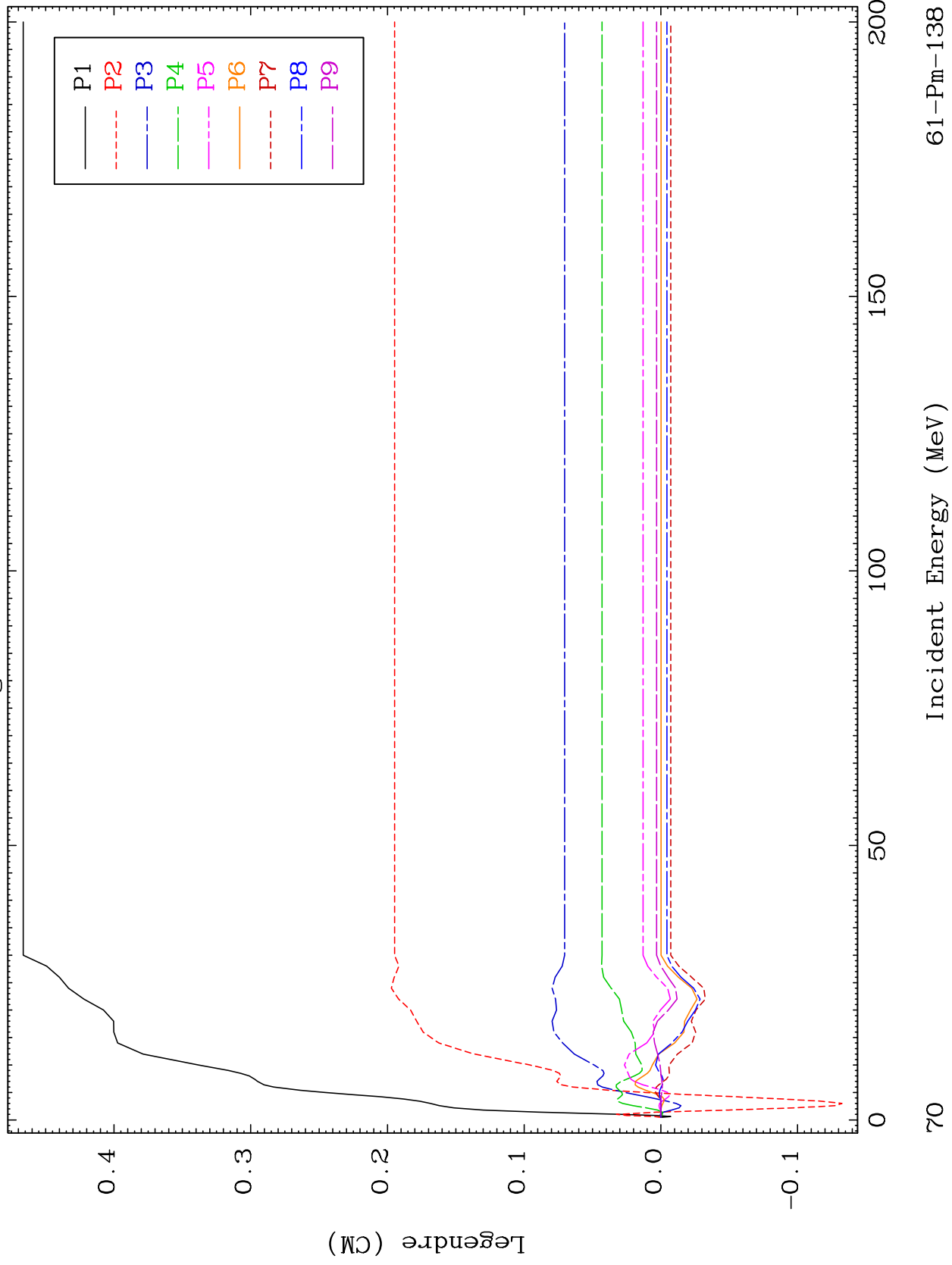
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

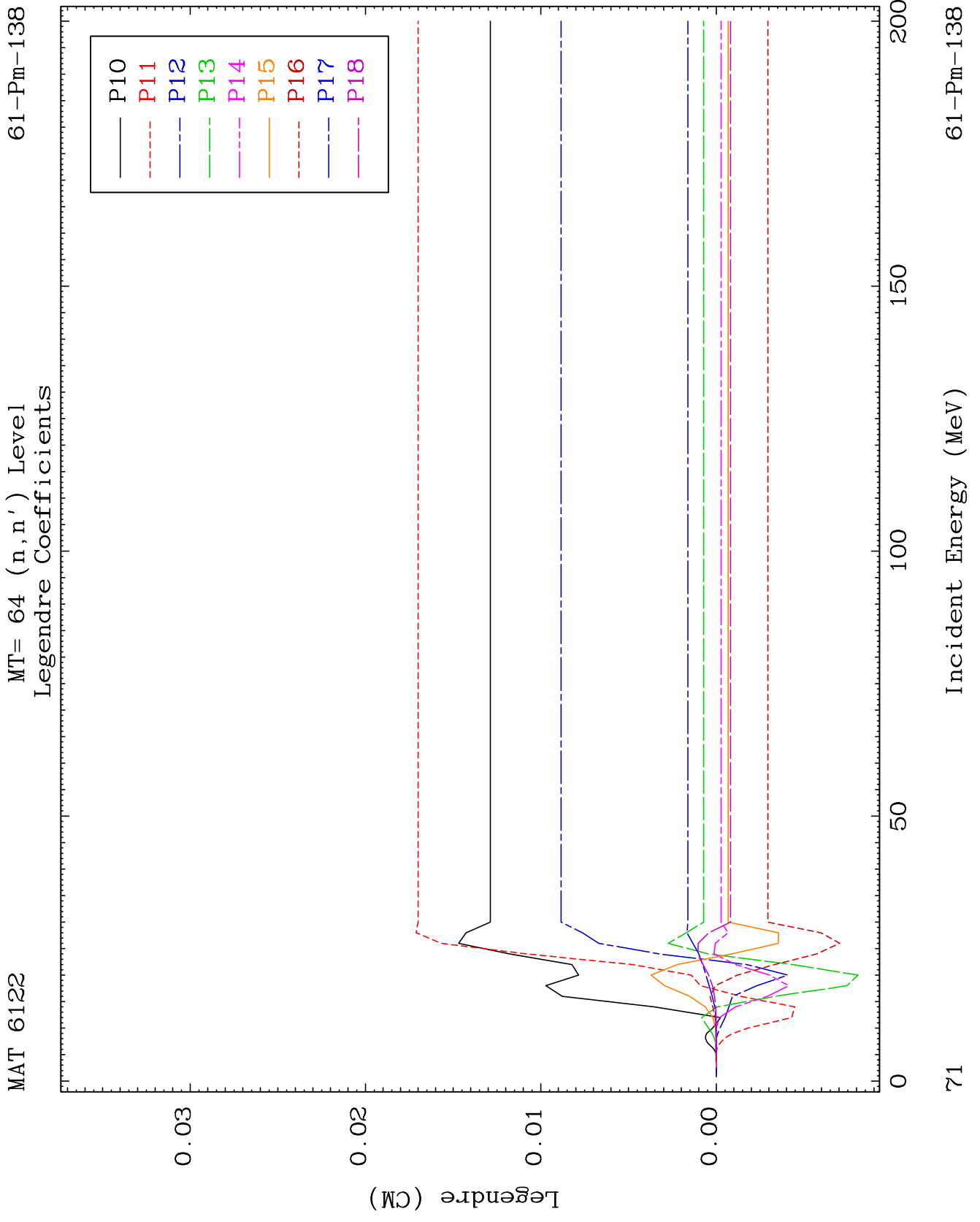
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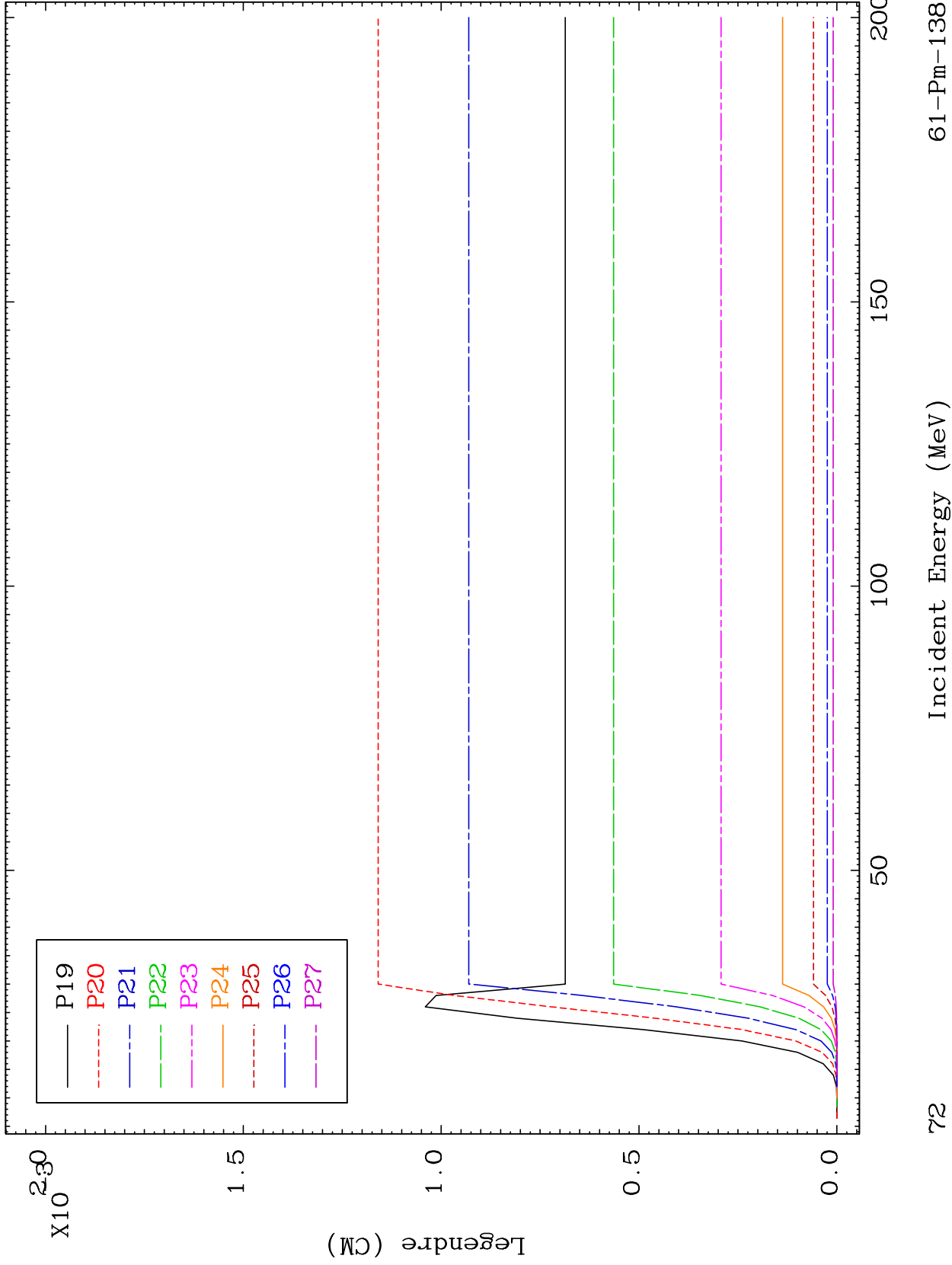


61-Pm-138

Incident Energy (MeV)

70

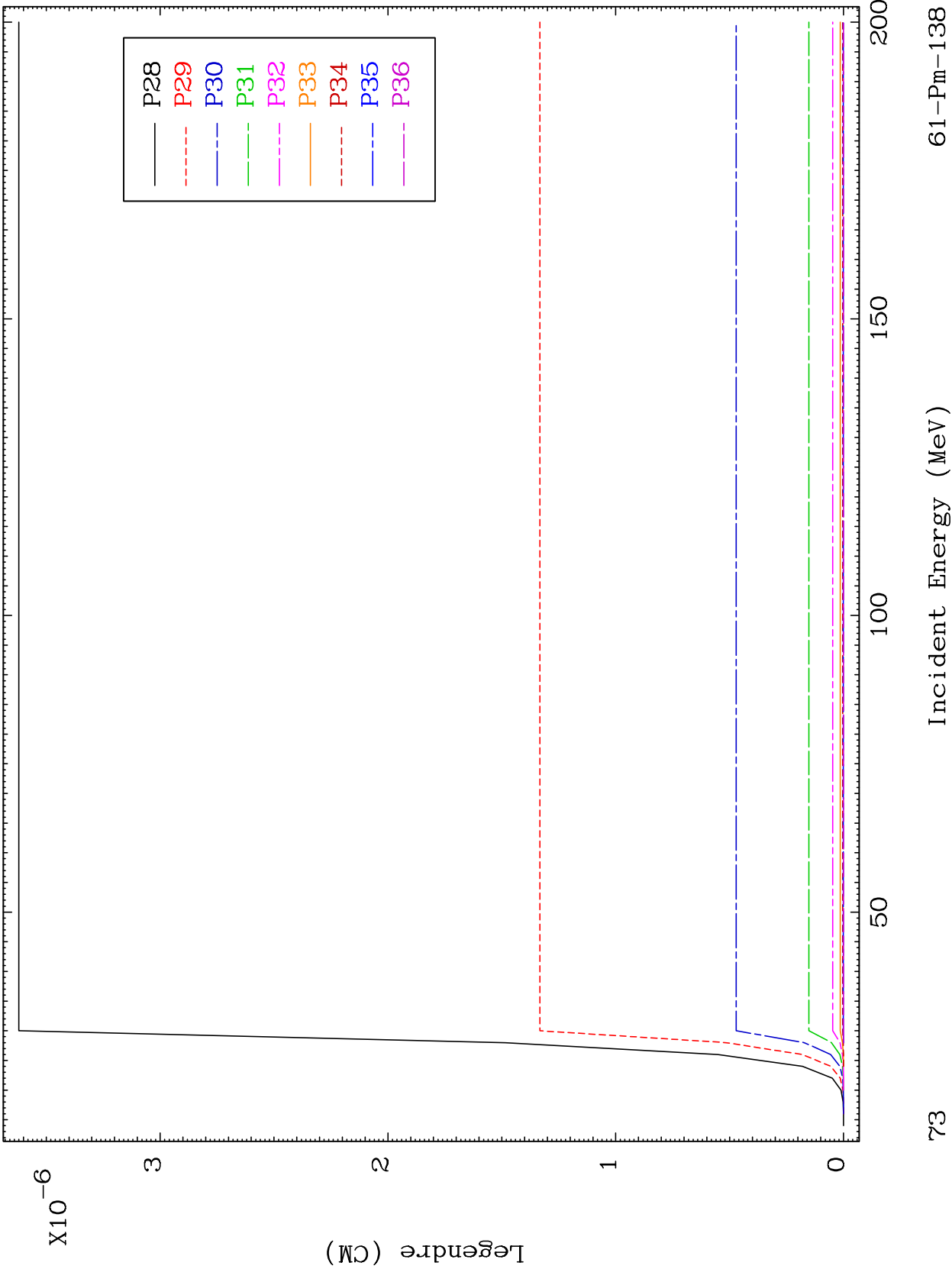




MAT 6122

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

61-Pm-138



73

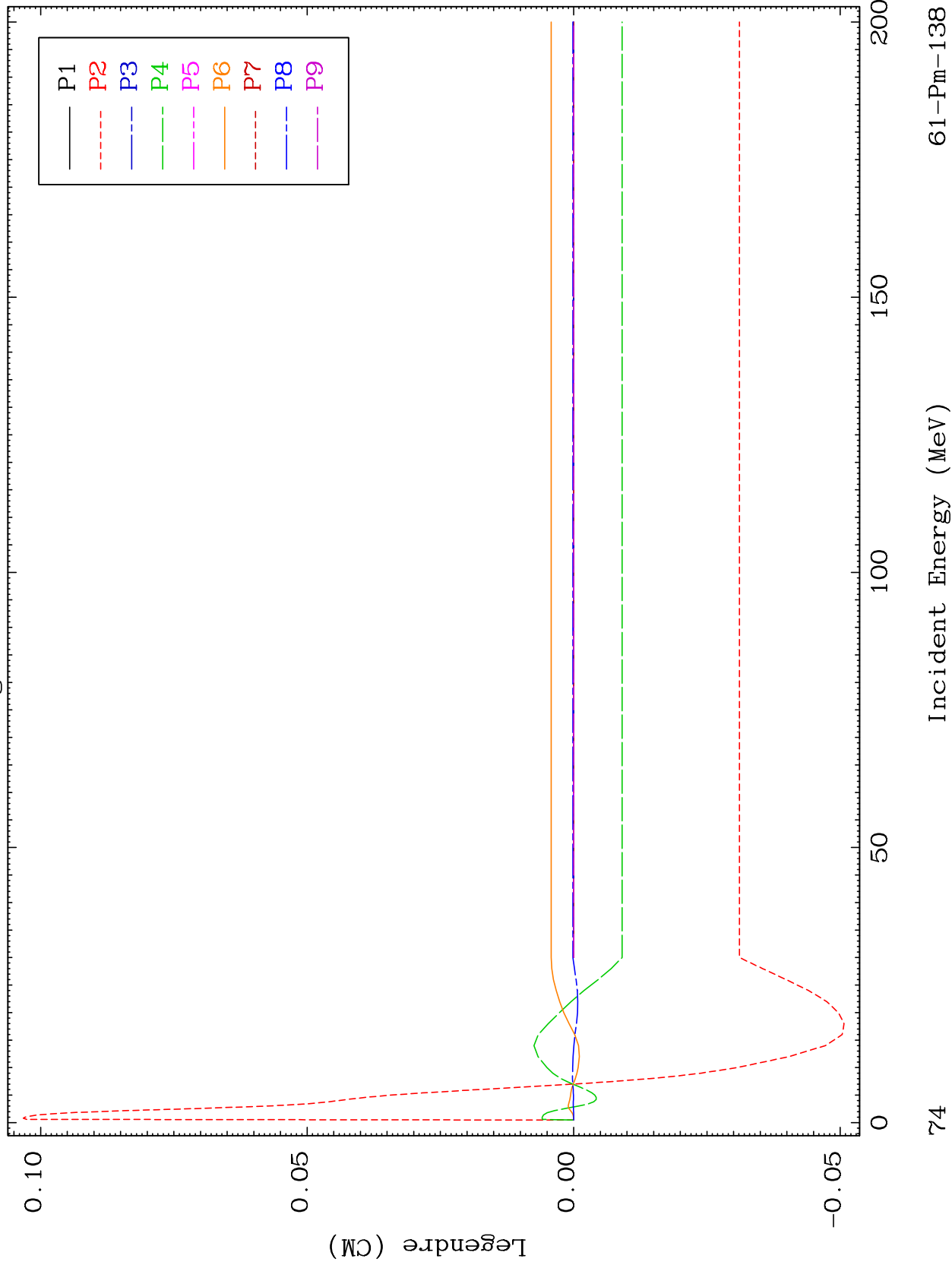
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

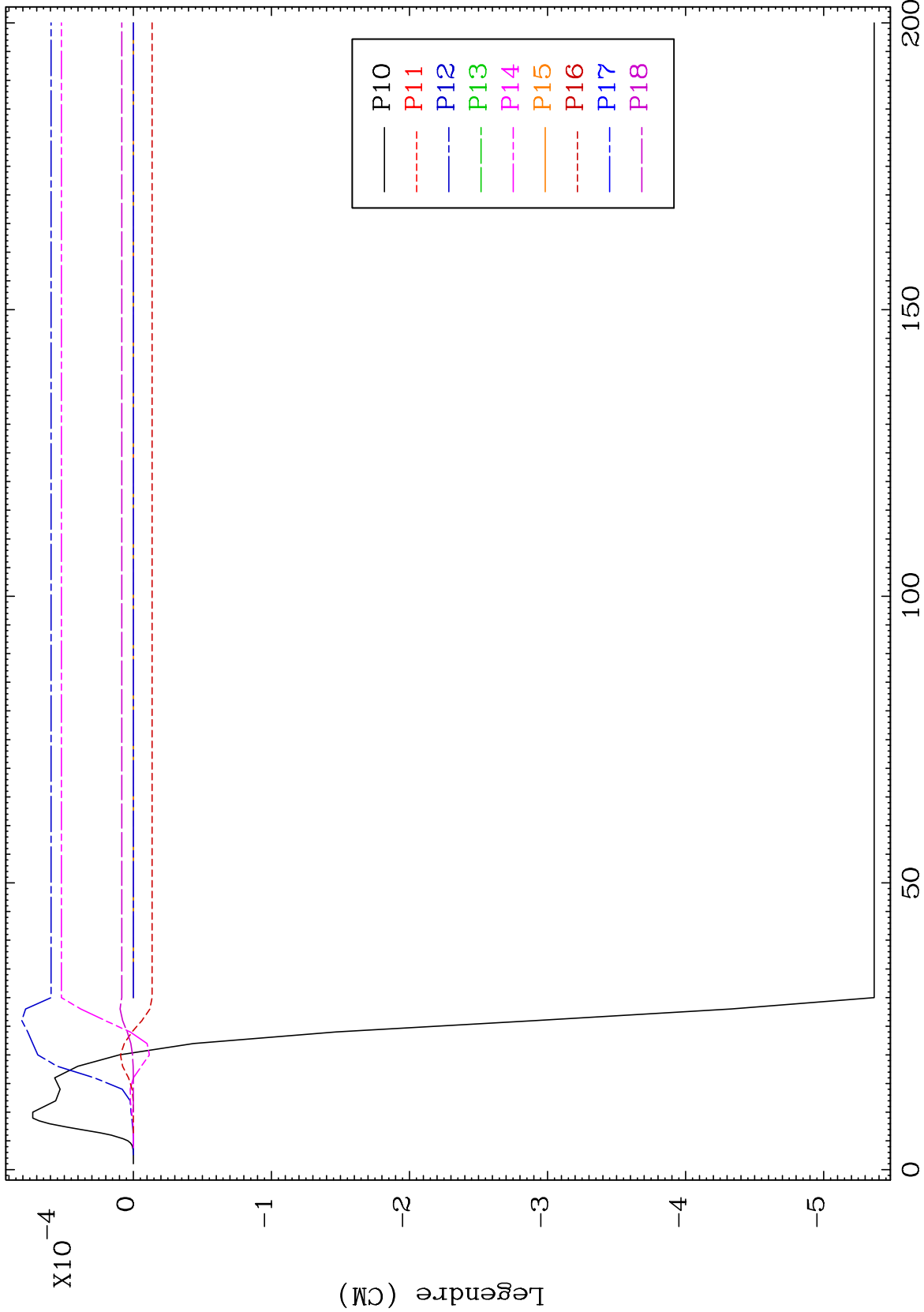
61-Pm-138



MAT 6122

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

61-Pm-138



75

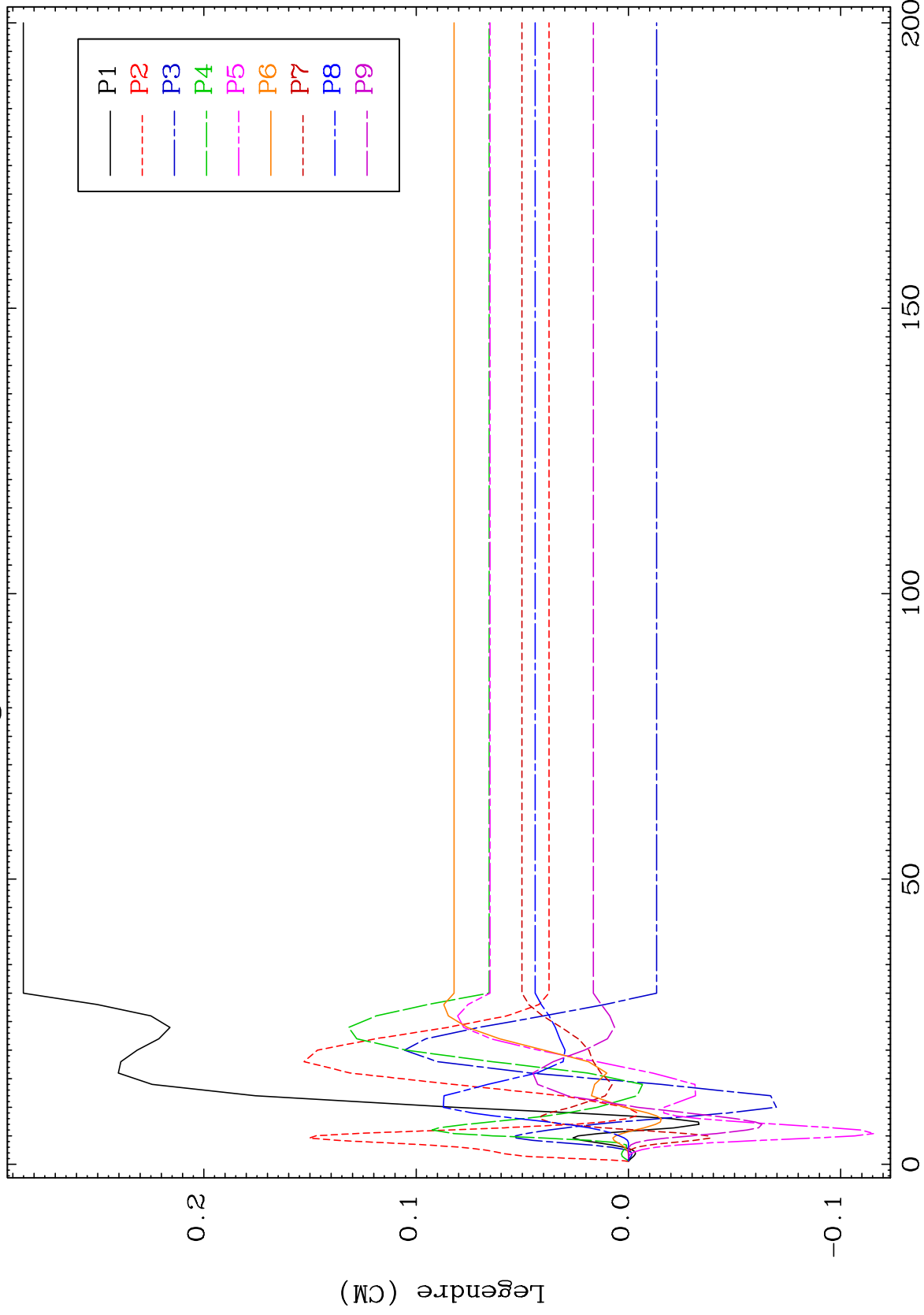
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



77

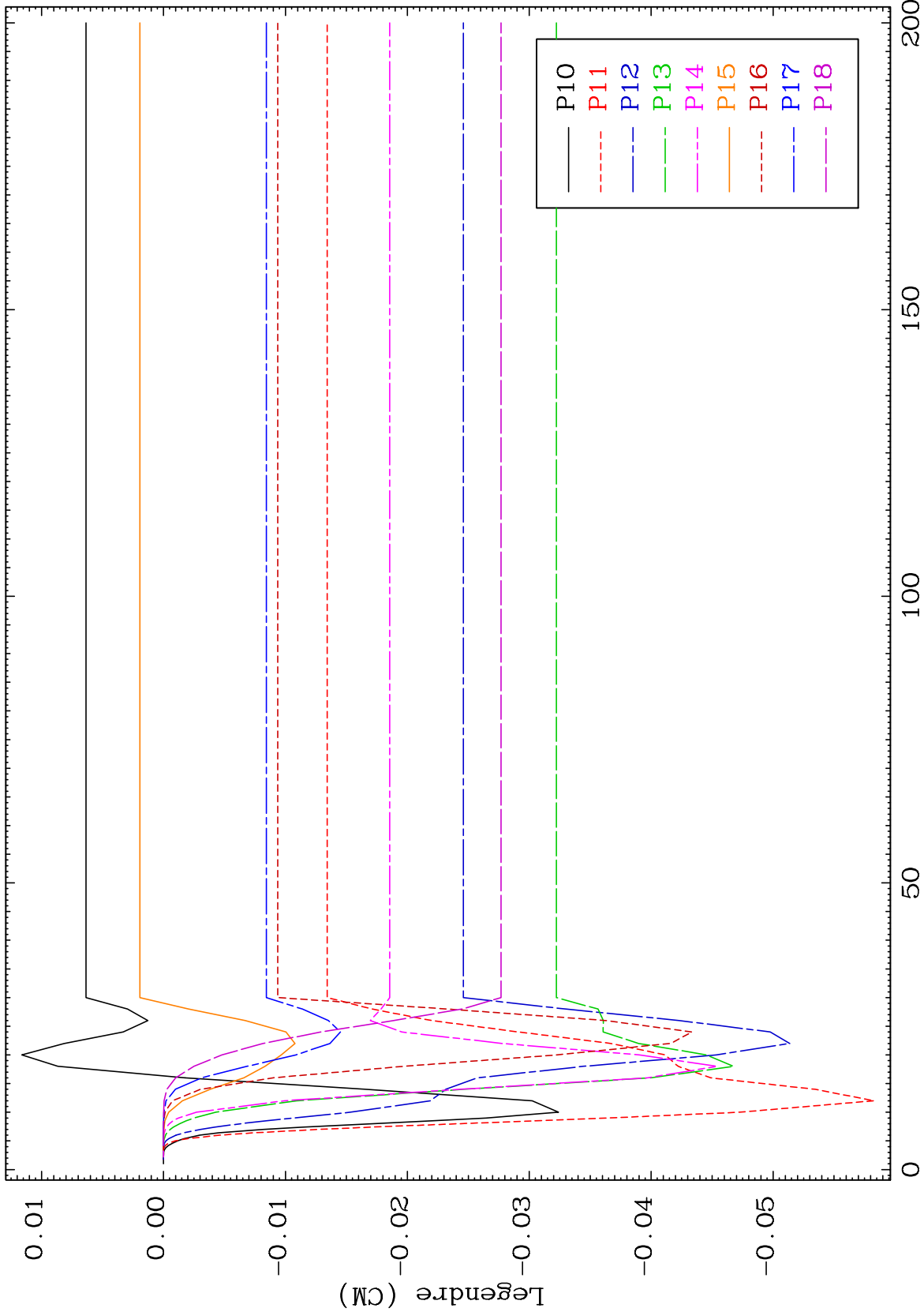
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

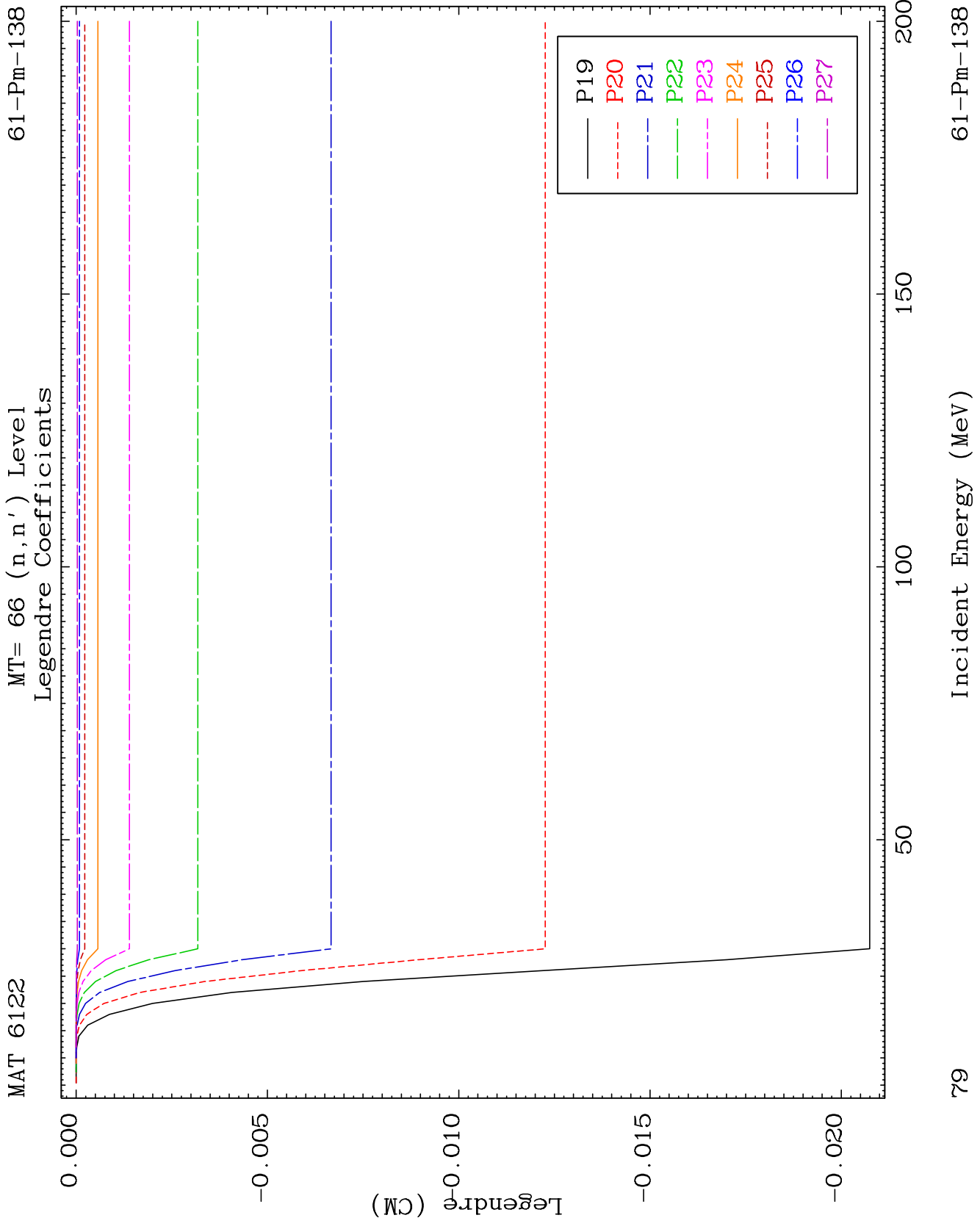
61-Pm-138

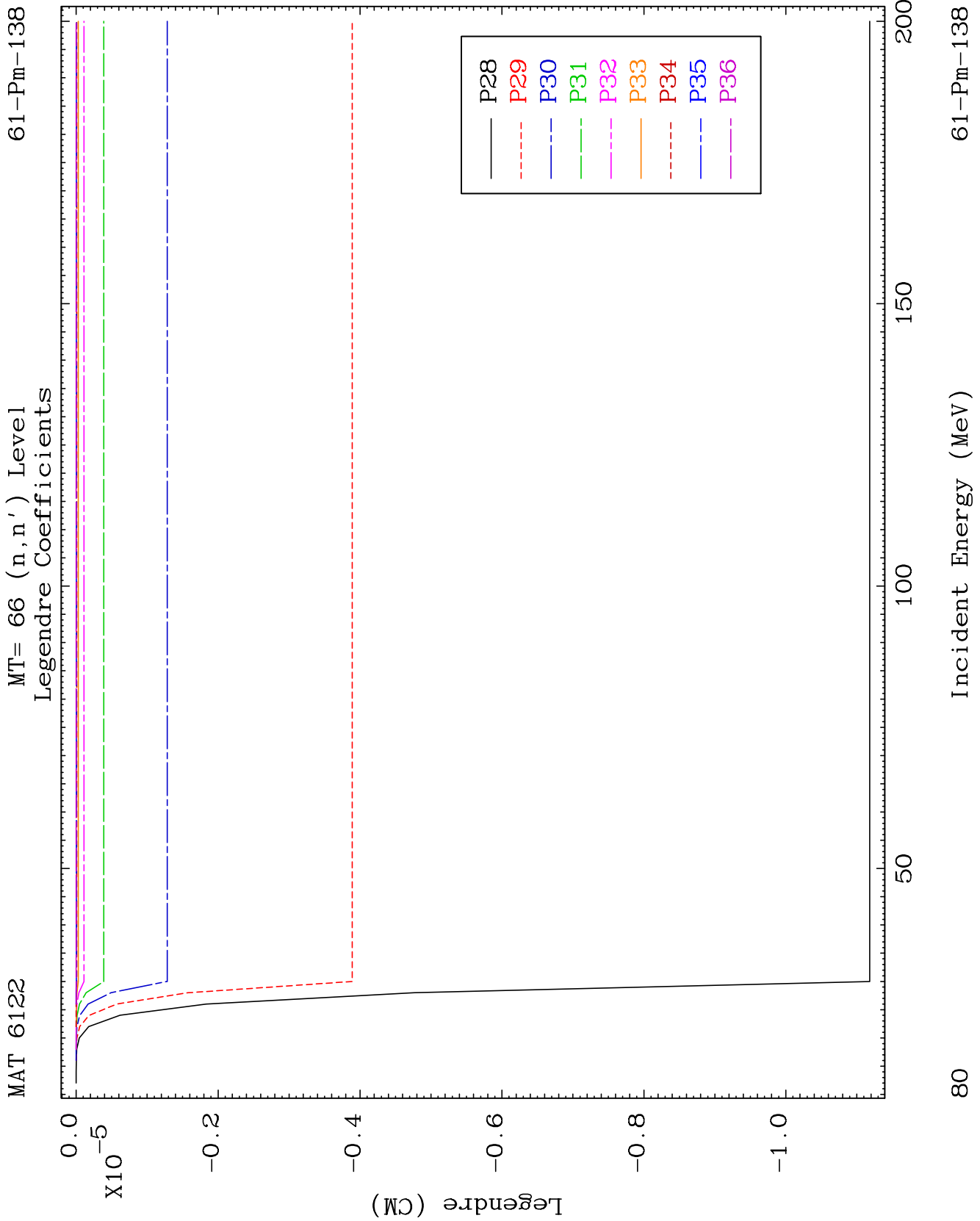


78

Incident Energy (MeV)

61-Pm-138

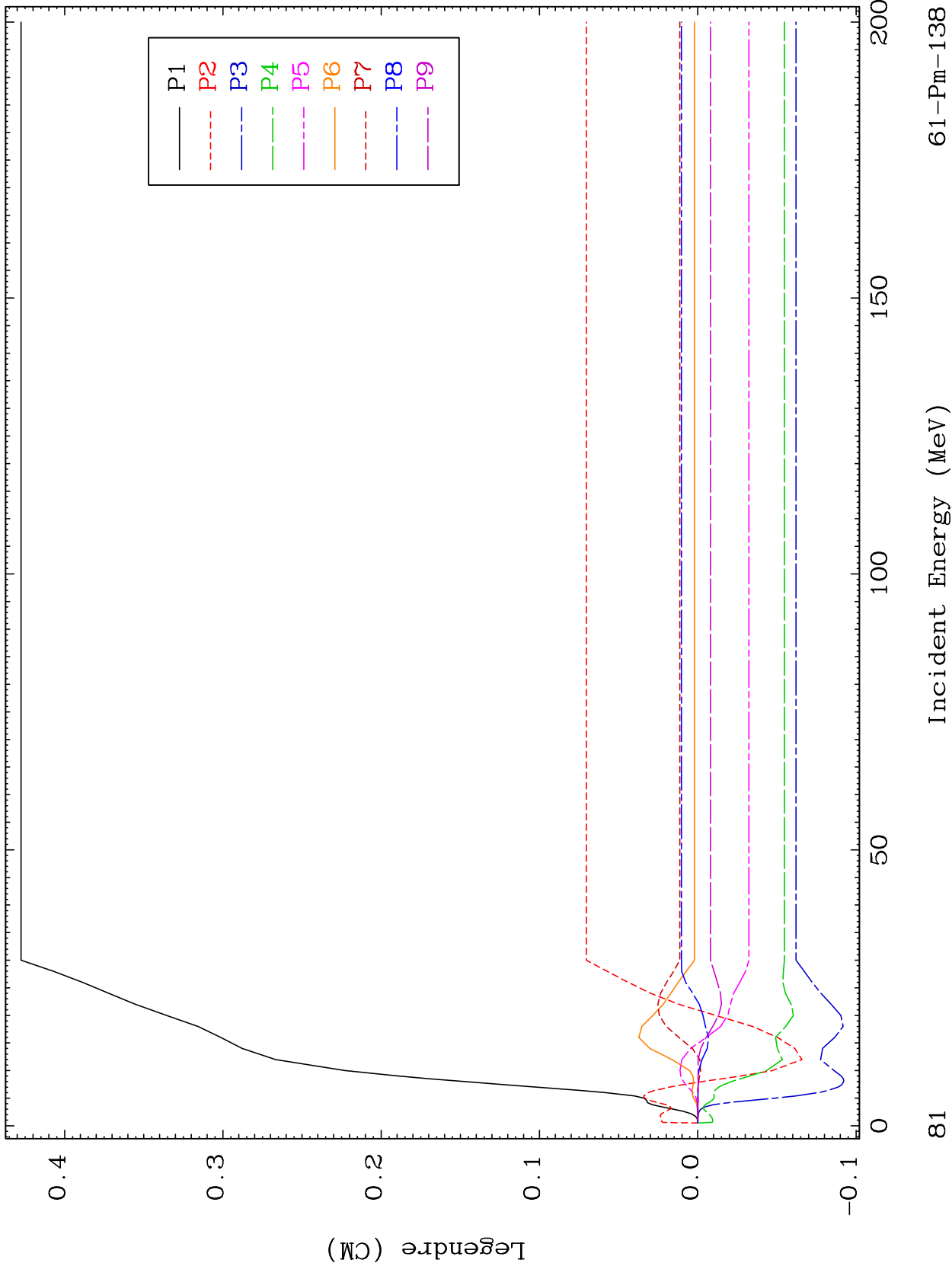




MAT 6122

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

61-Pm-138

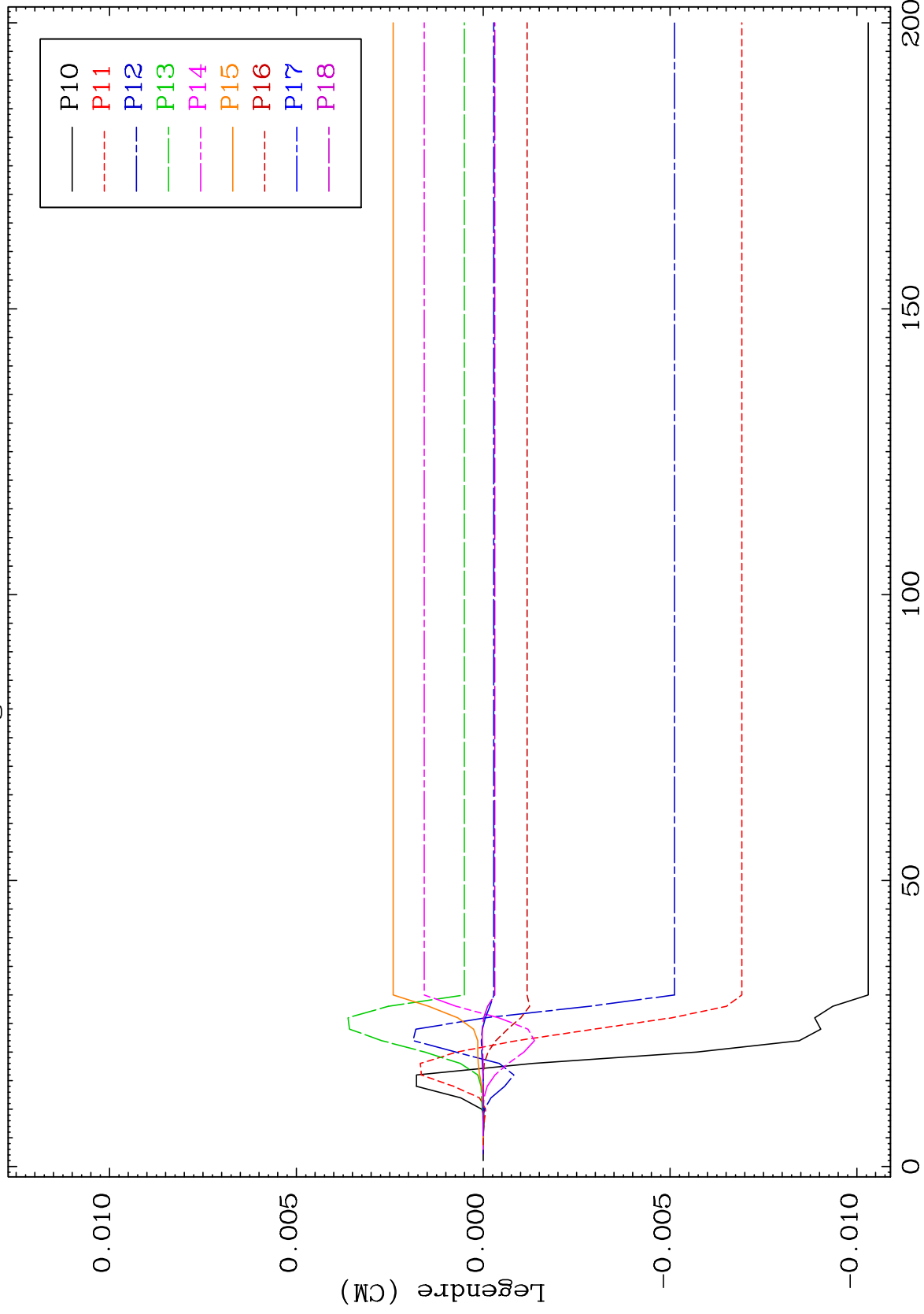


81

MAT 6122

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

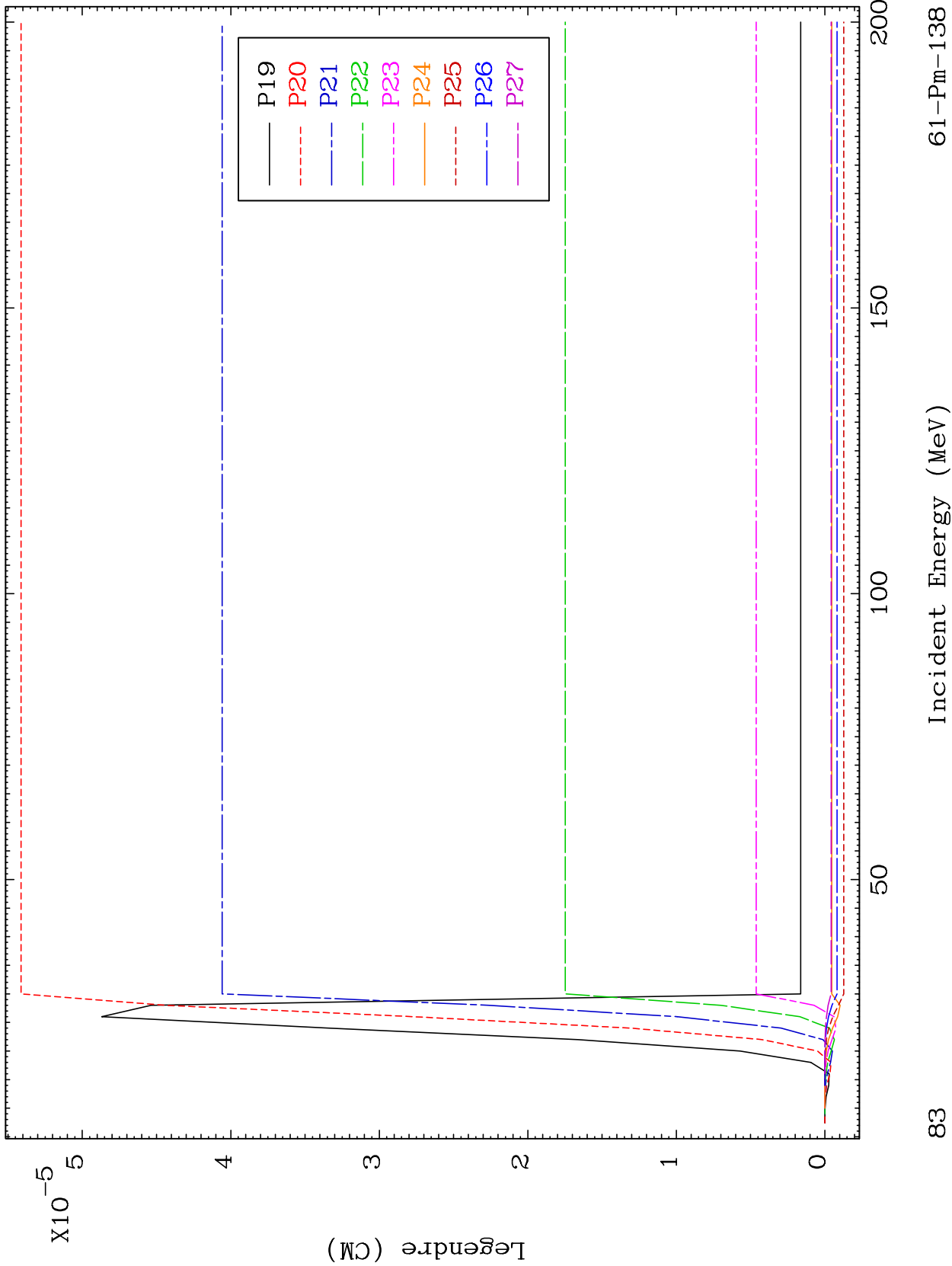
61-Pm-138



82

Incident Energy (MeV)

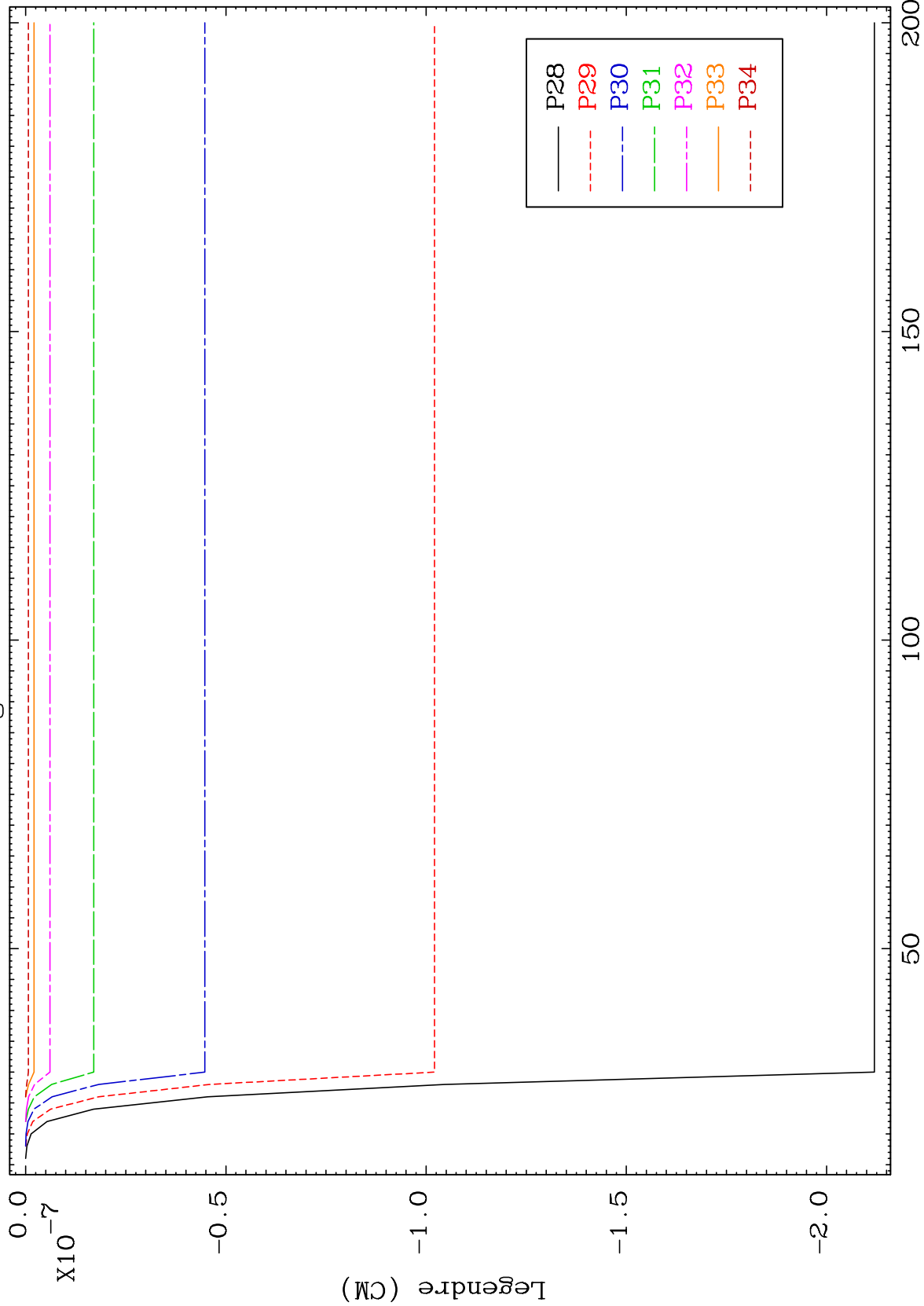
61-Pm-138



MAT 6122

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

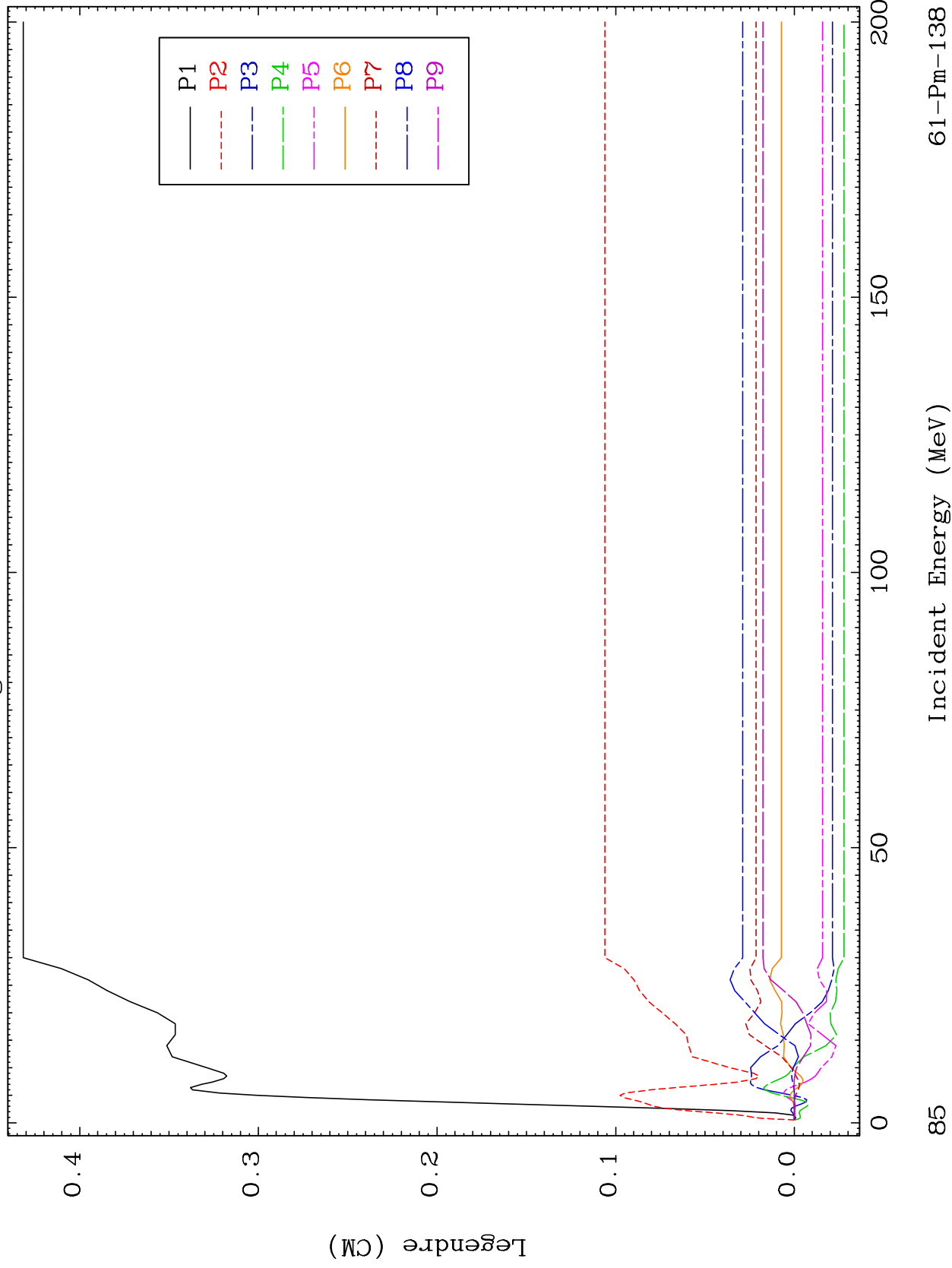
61-Pm-138



MAT 6122

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

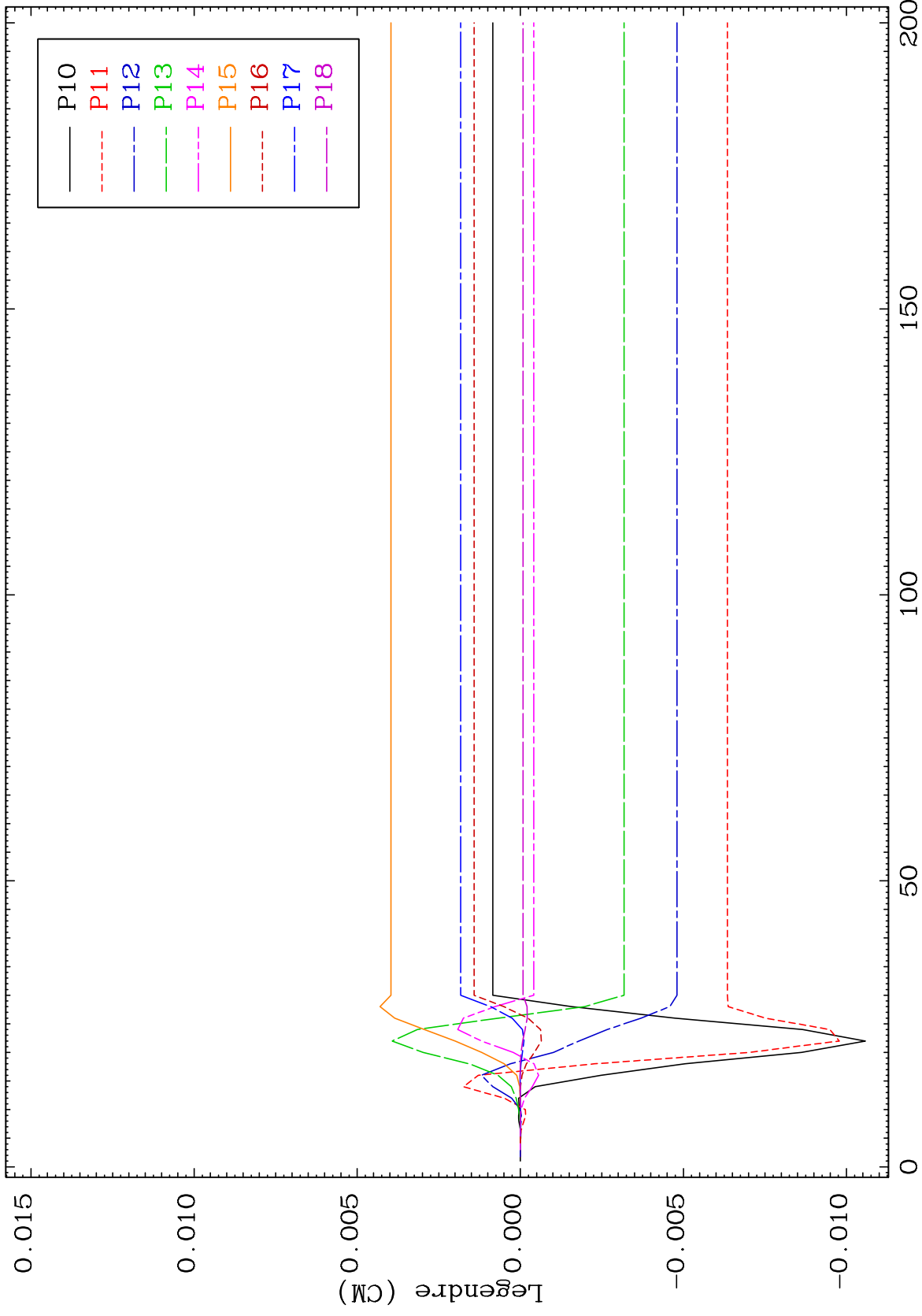
61-Pm-138



MAT 6122

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

61-Pm-138



86

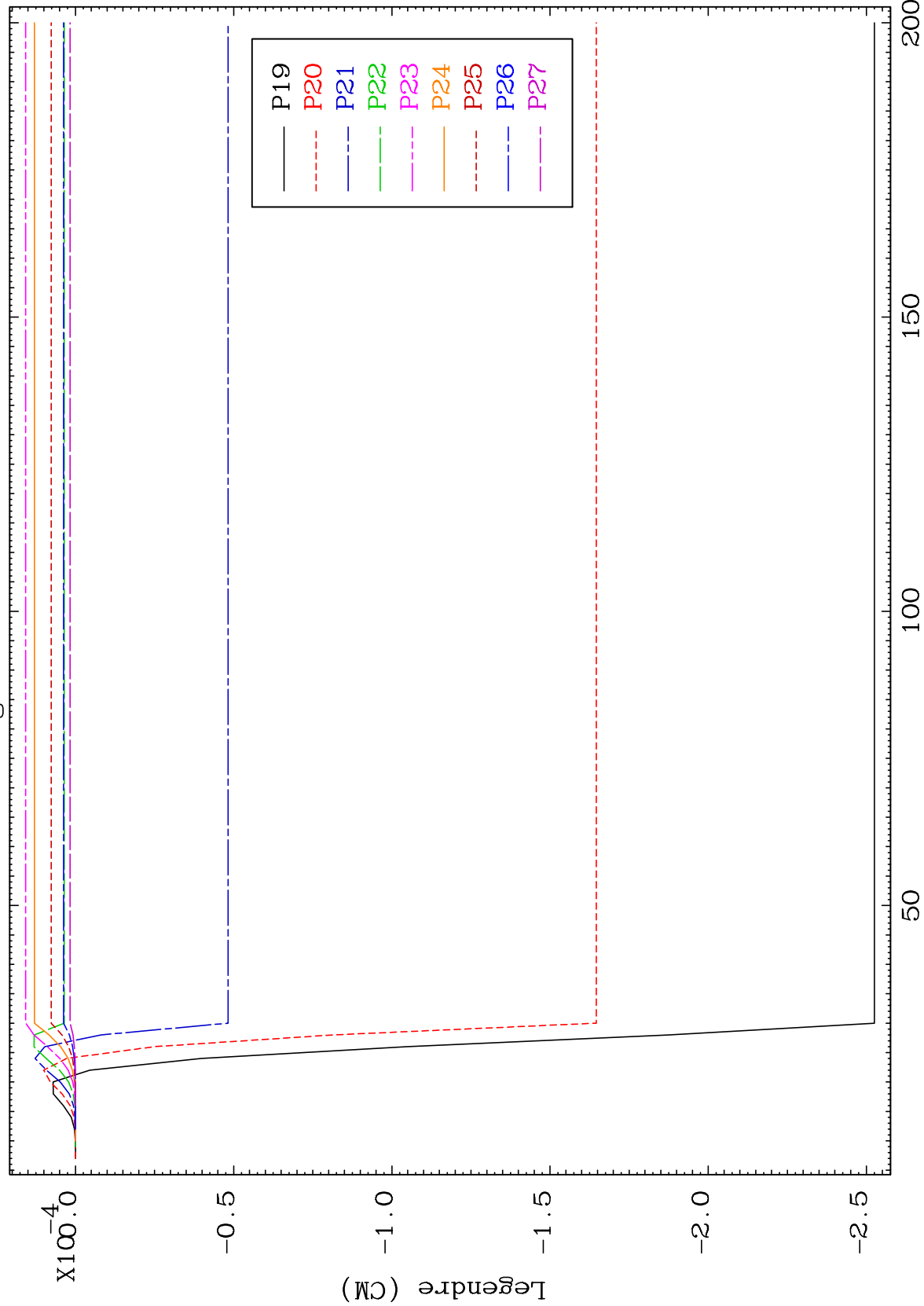
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

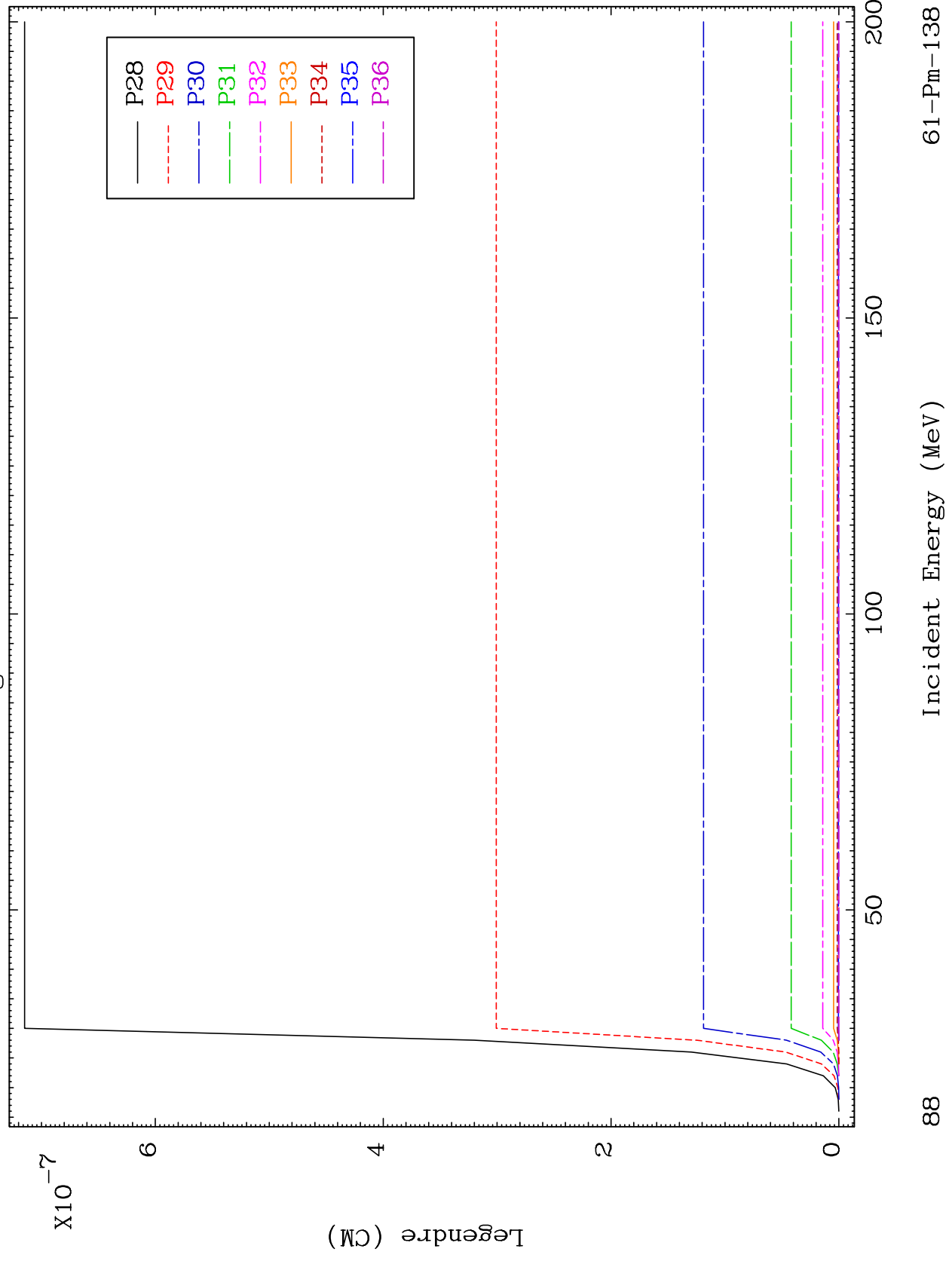
61-Pm-138



MAT 6122

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

61-Pm-138



88

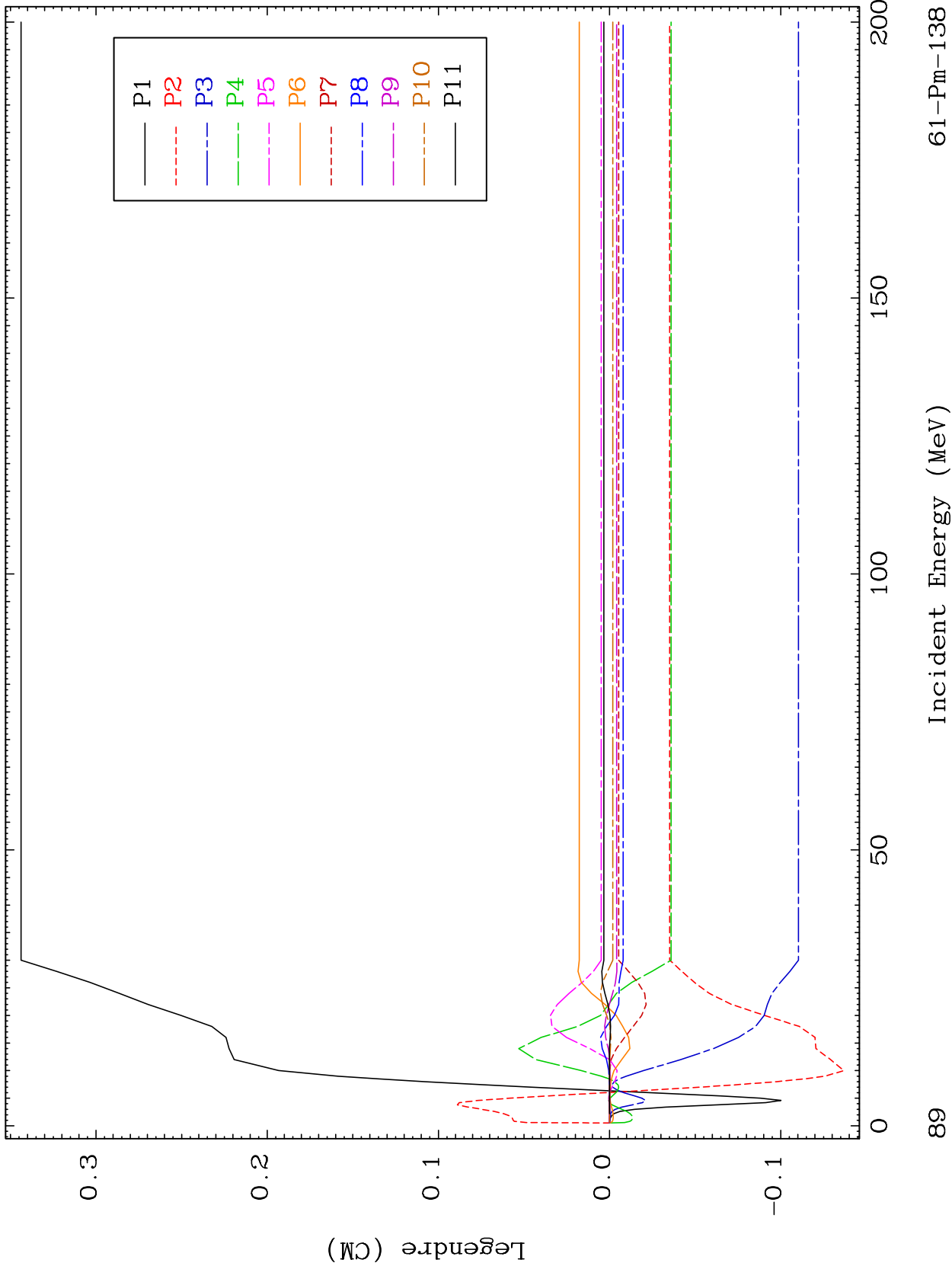
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



61-Pm-138

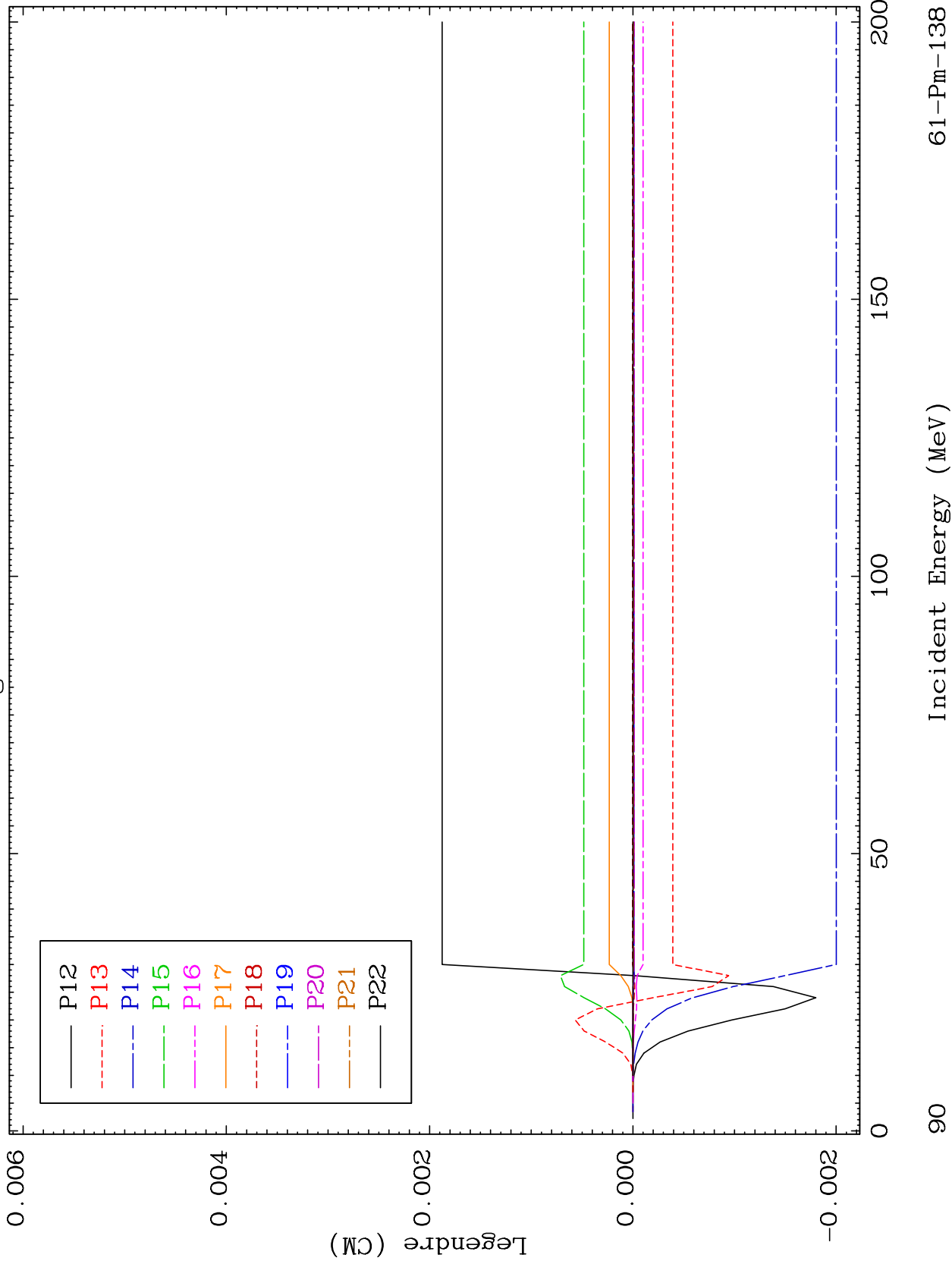
Incident Energy (MeV)

89

MAT 61222

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

61-Pm-138



61-Pm-138

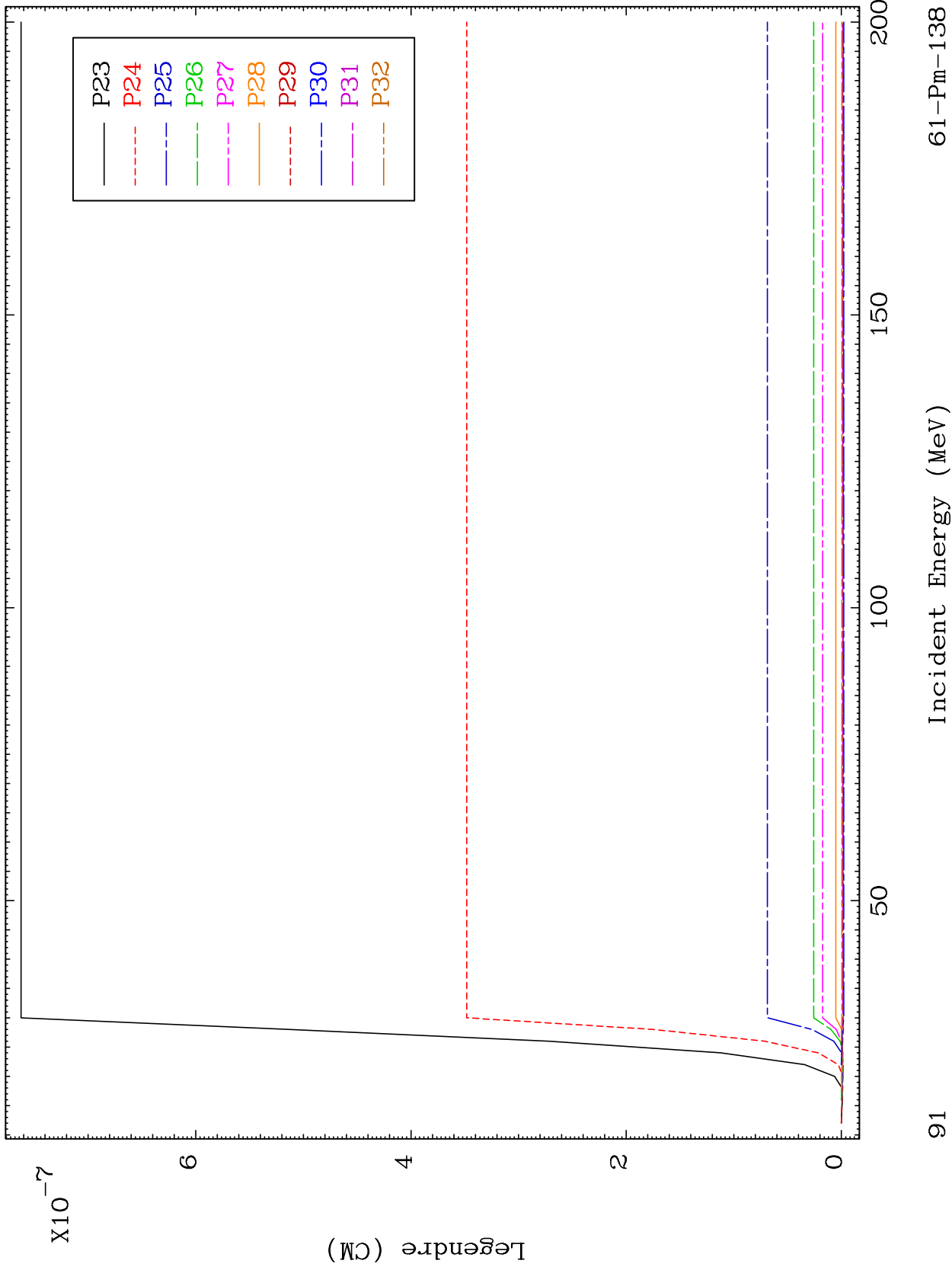
Incident Energy (MeV)

90

MAT 6122

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

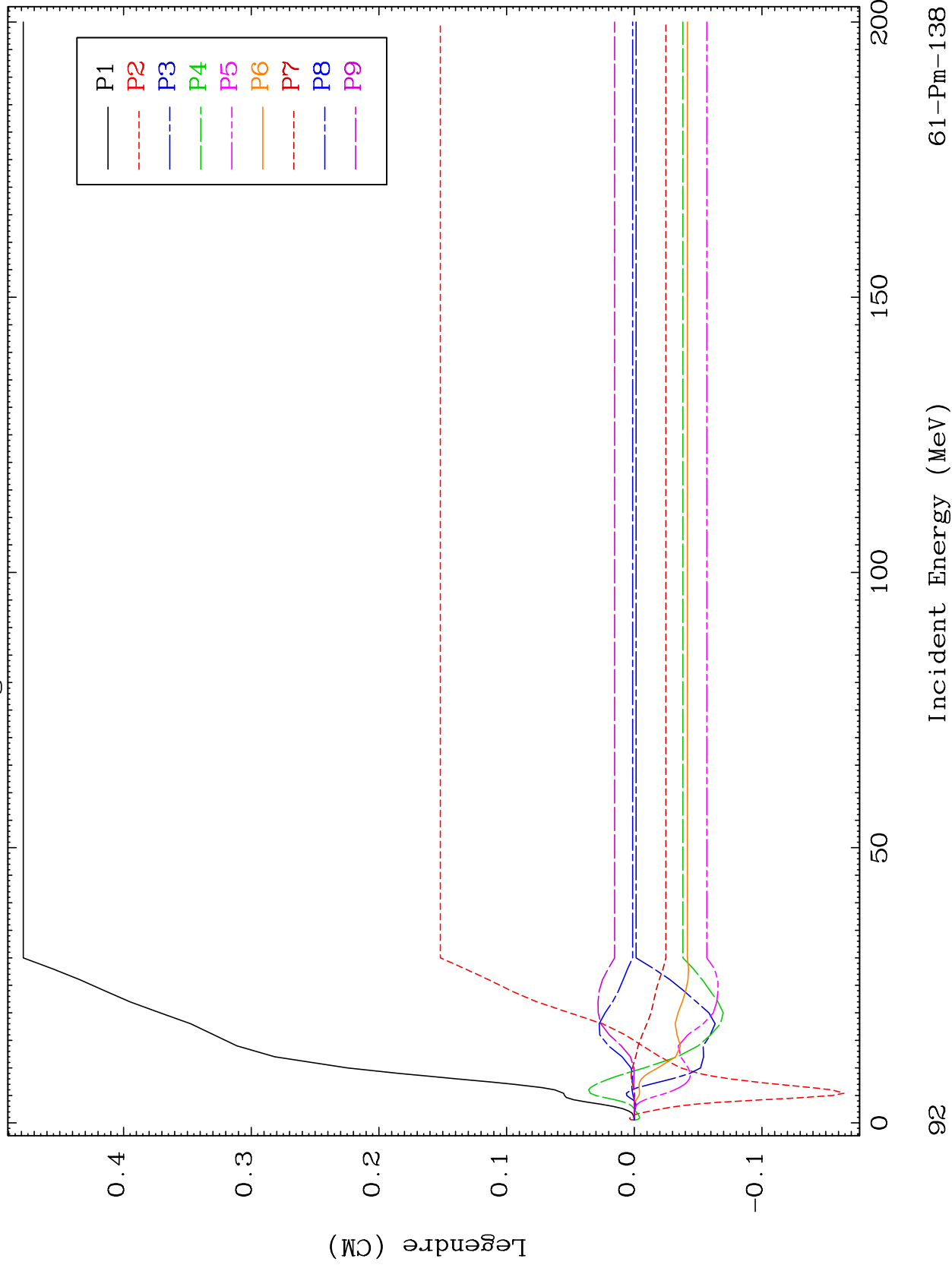
61-Pm-138



MAT 6122

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

61-Pm-138

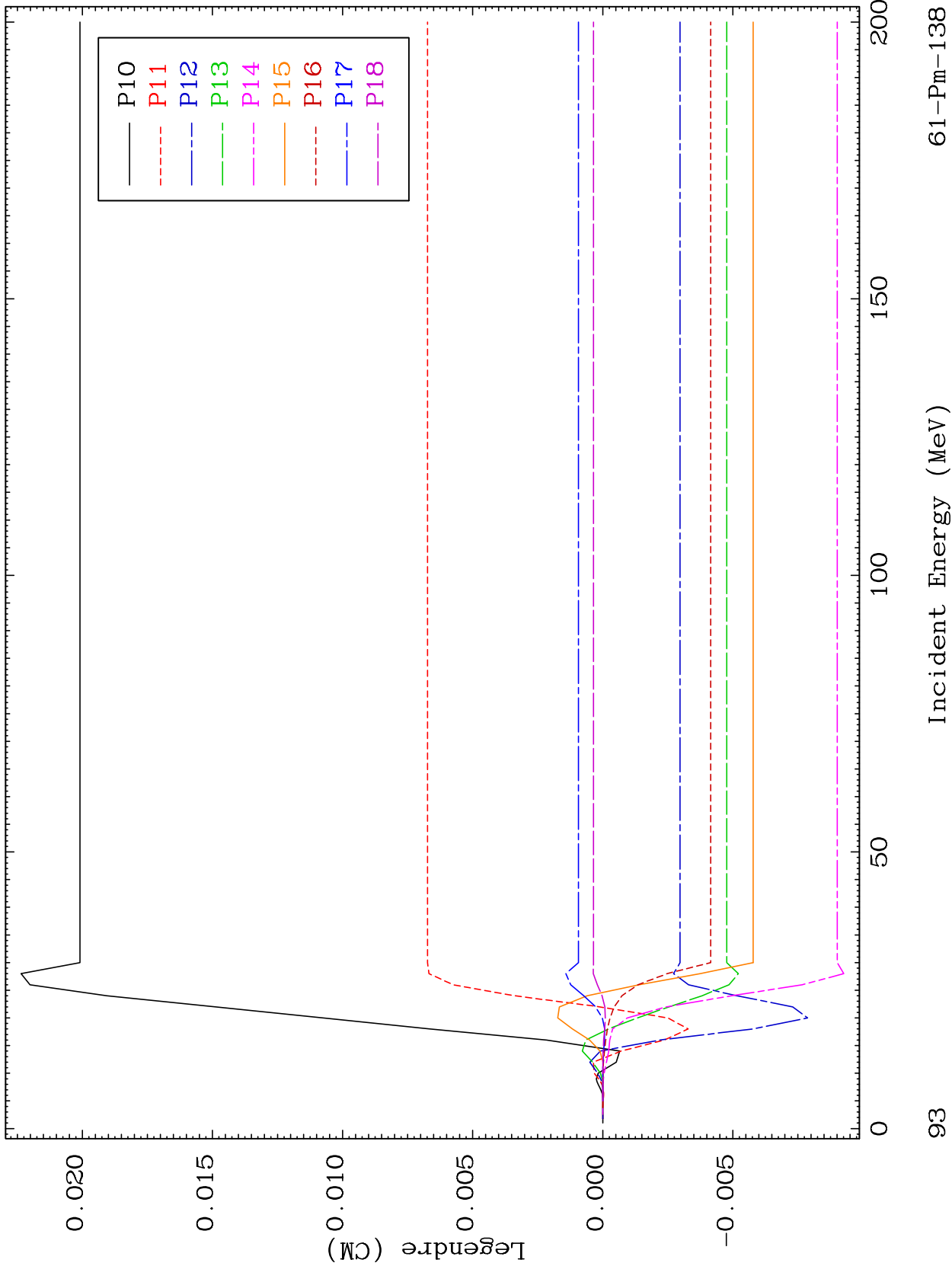


92

MAT 6122

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

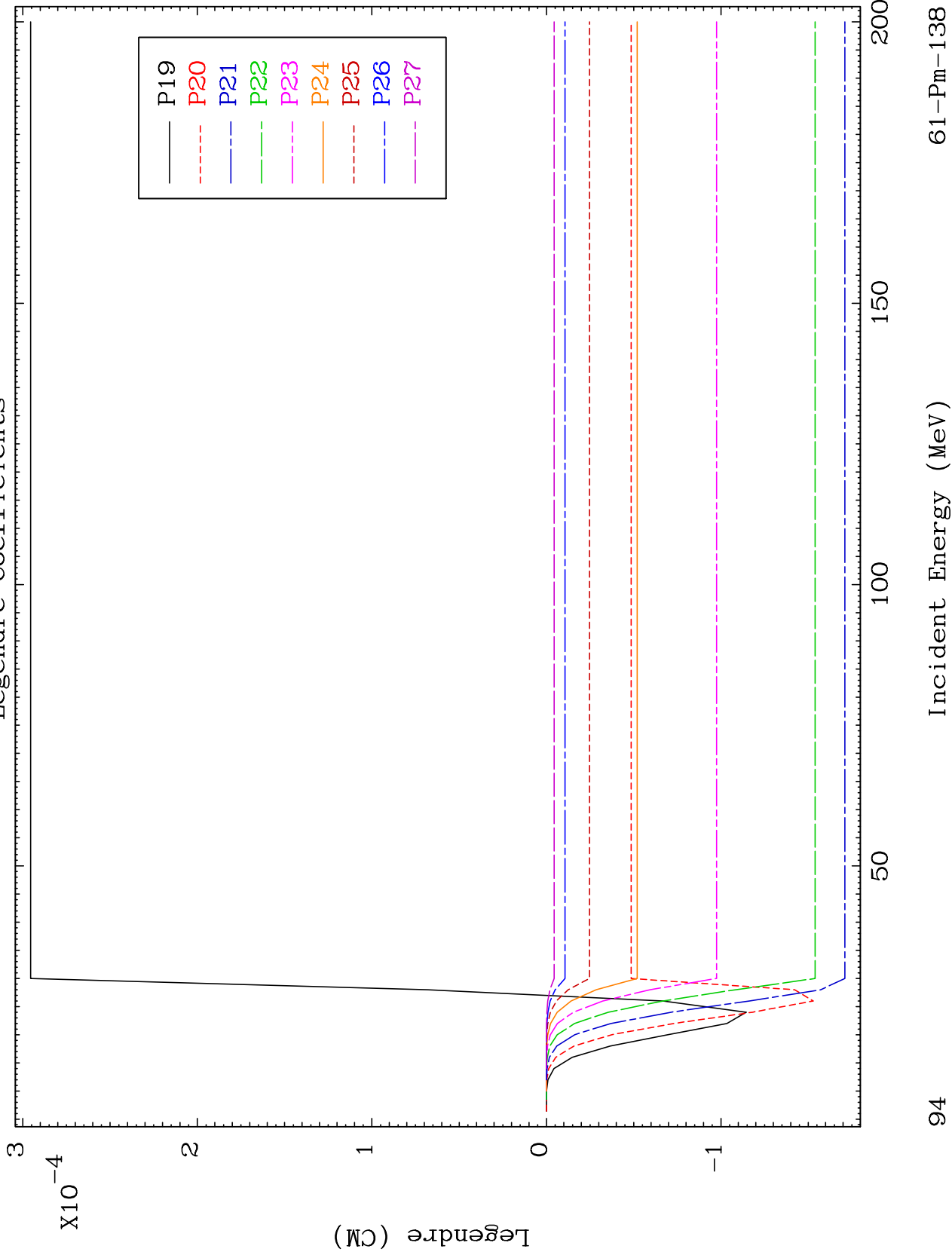
61-Pm-138

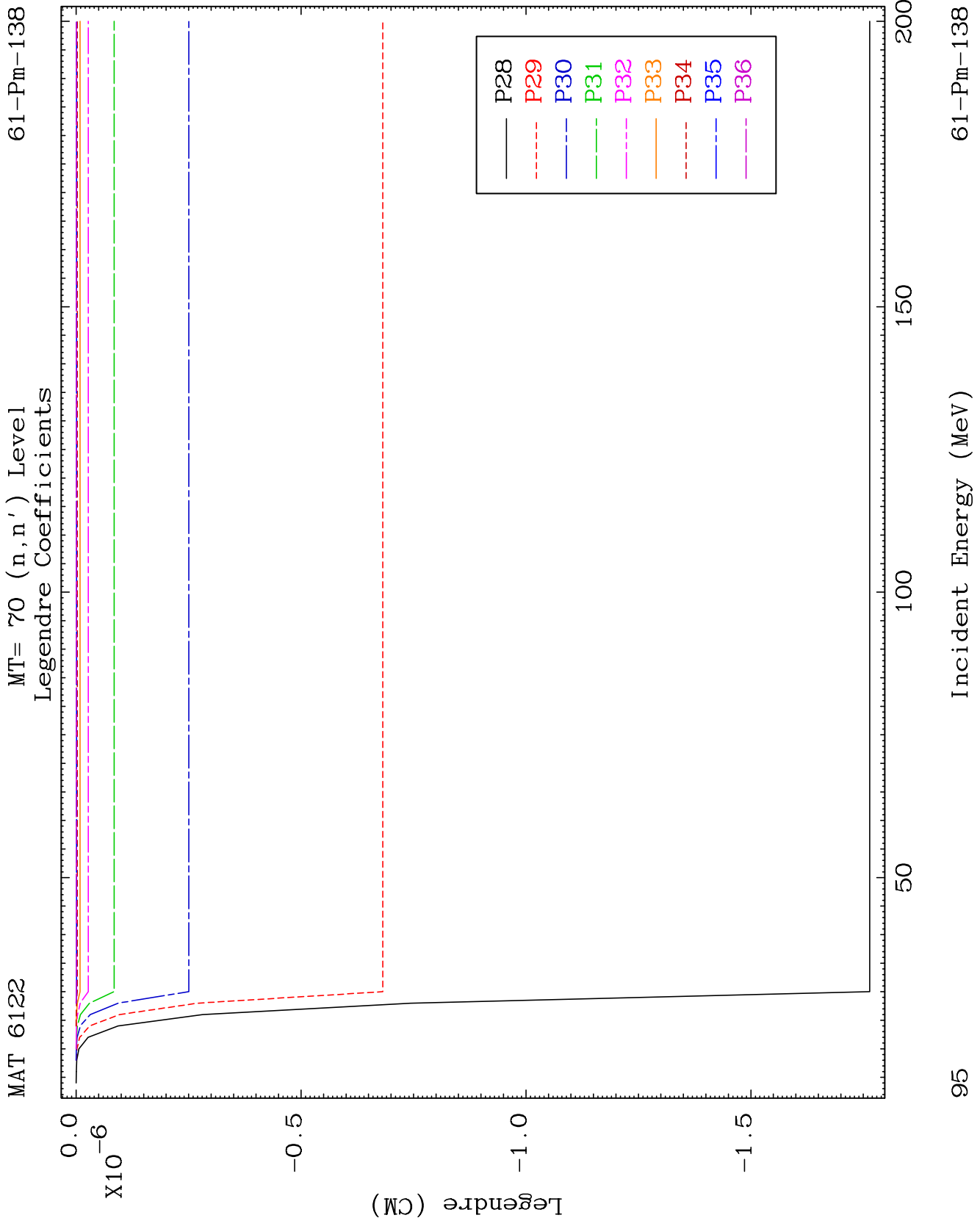


93

Incident Energy (MeV)

61-Pm-138

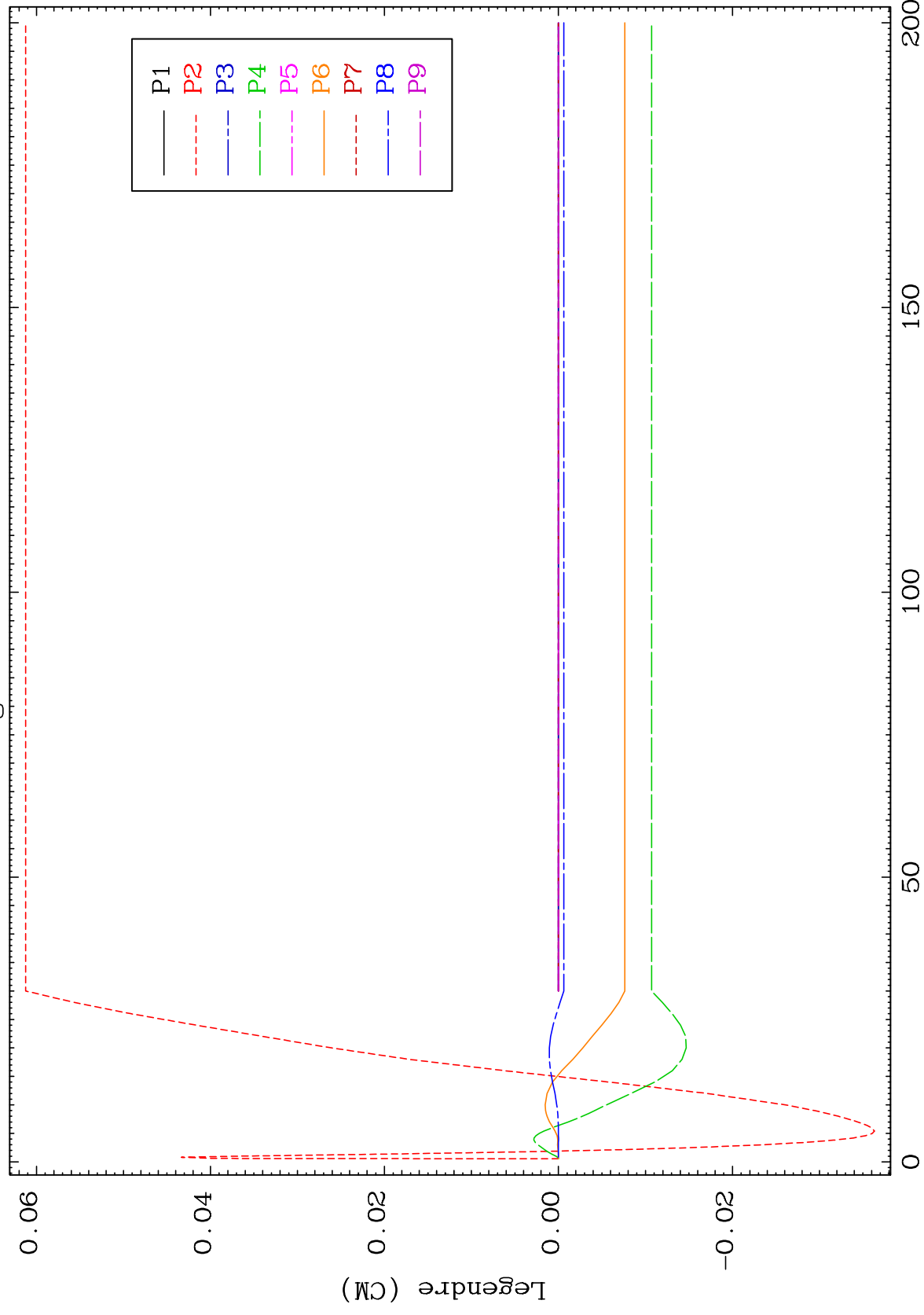




MAT 61222

MT= 71 (n,n') Level
Legendre Coefficients

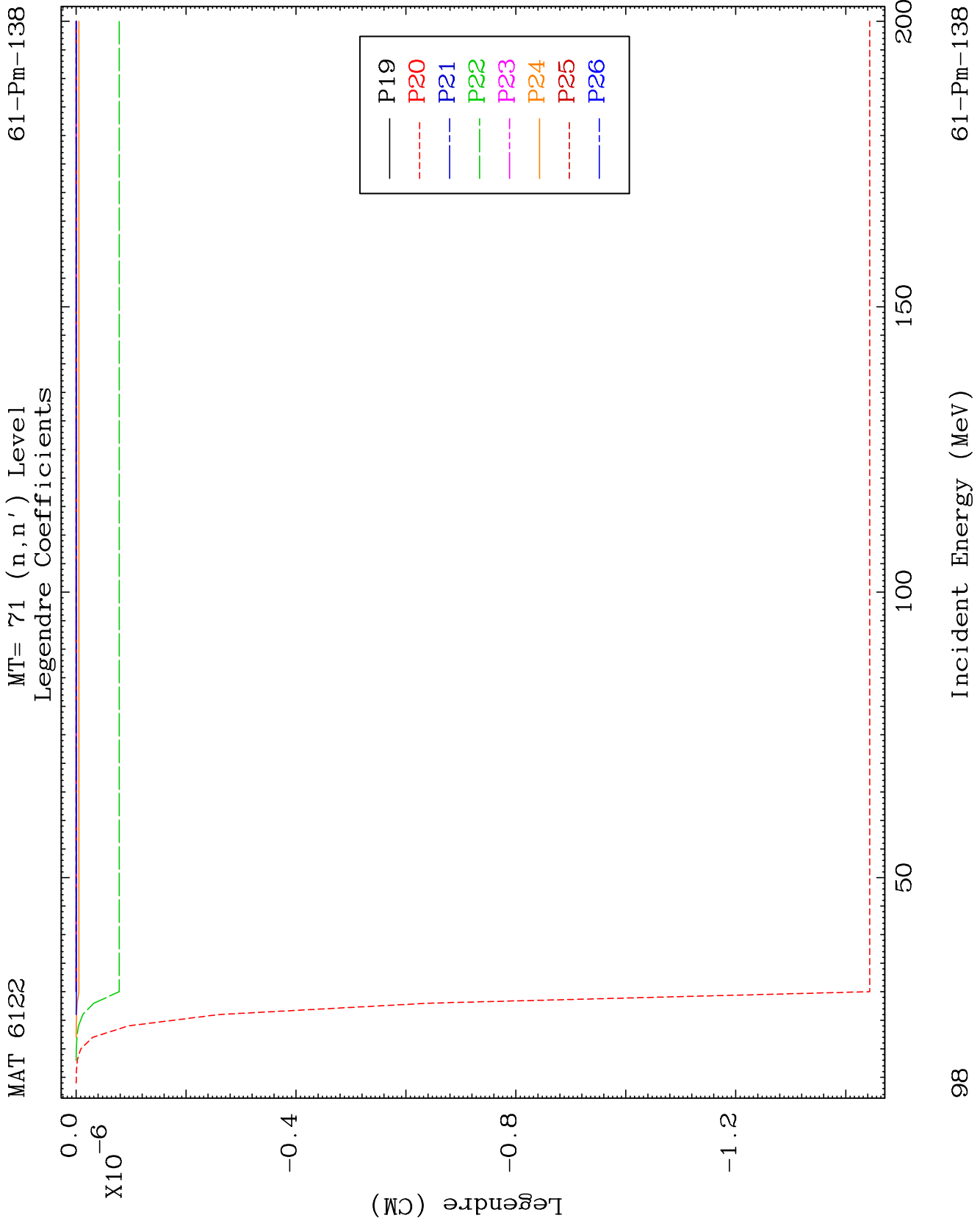
61-Pm-138



96

Incident Energy (MeV)

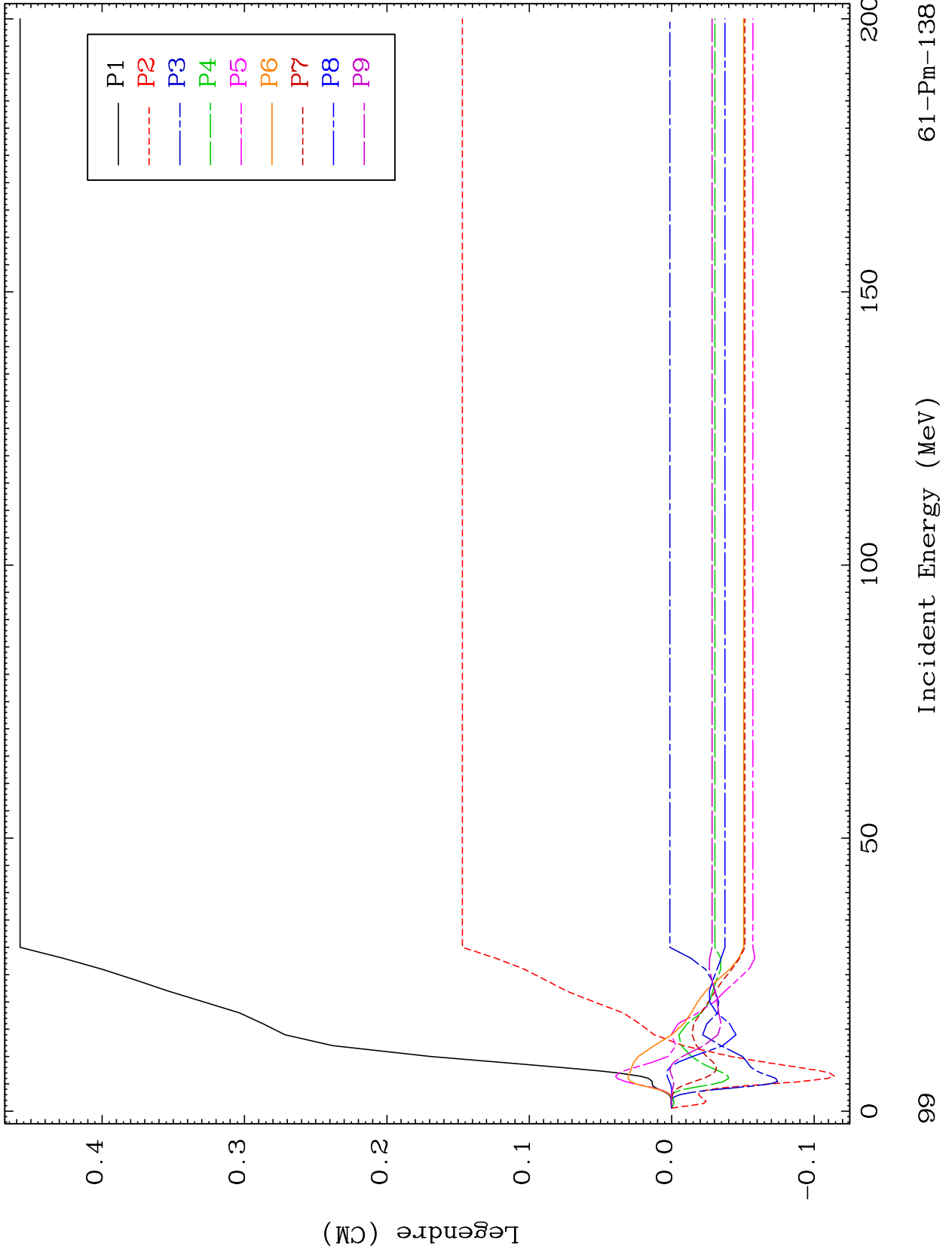
61-Pm-138



MAT 6122

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

61-Pm-138



61-Pm-138

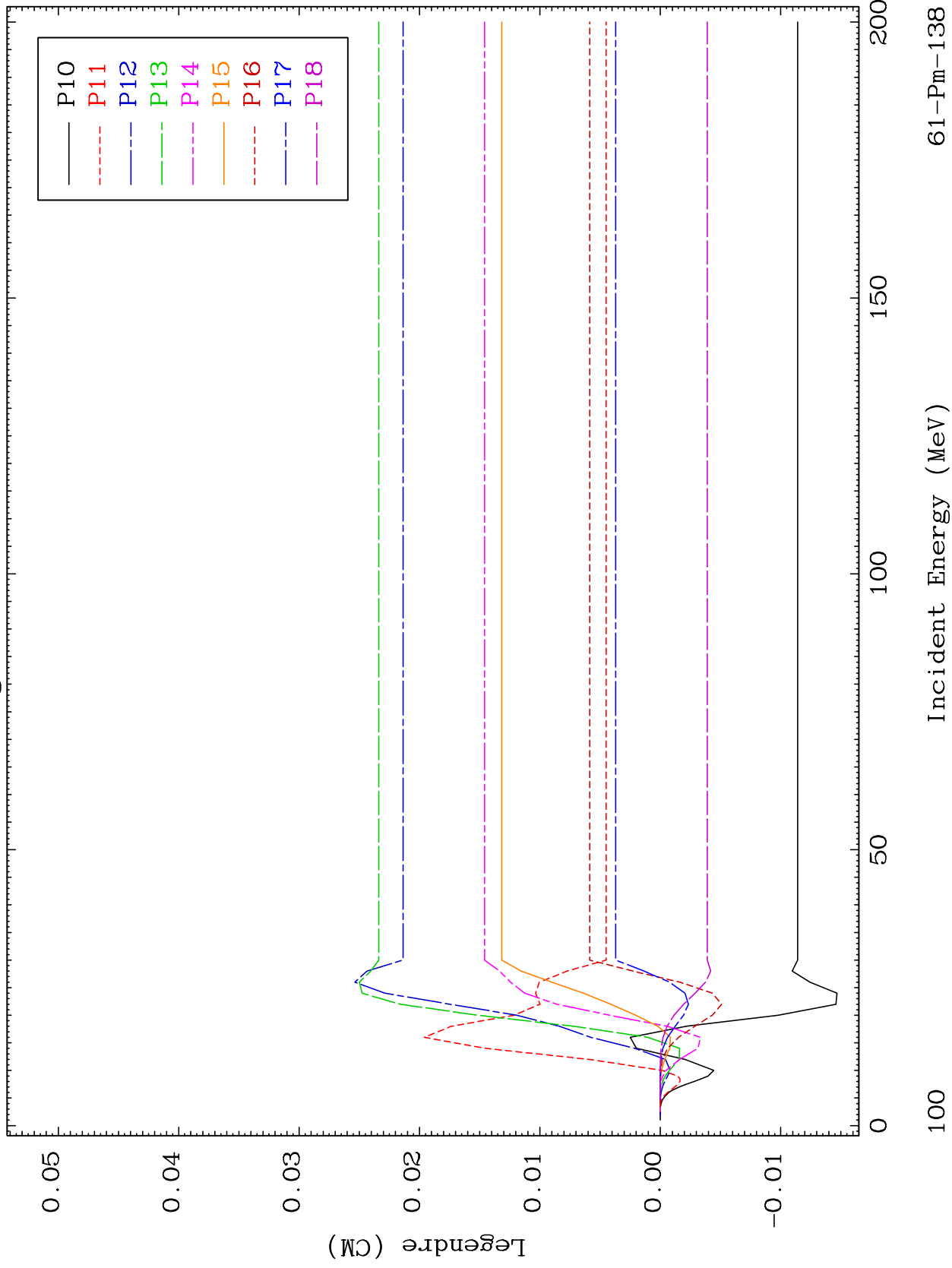
Incident Energy (MeV)

99

MAT 6122

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

61-Pm-138



61-Pm-138

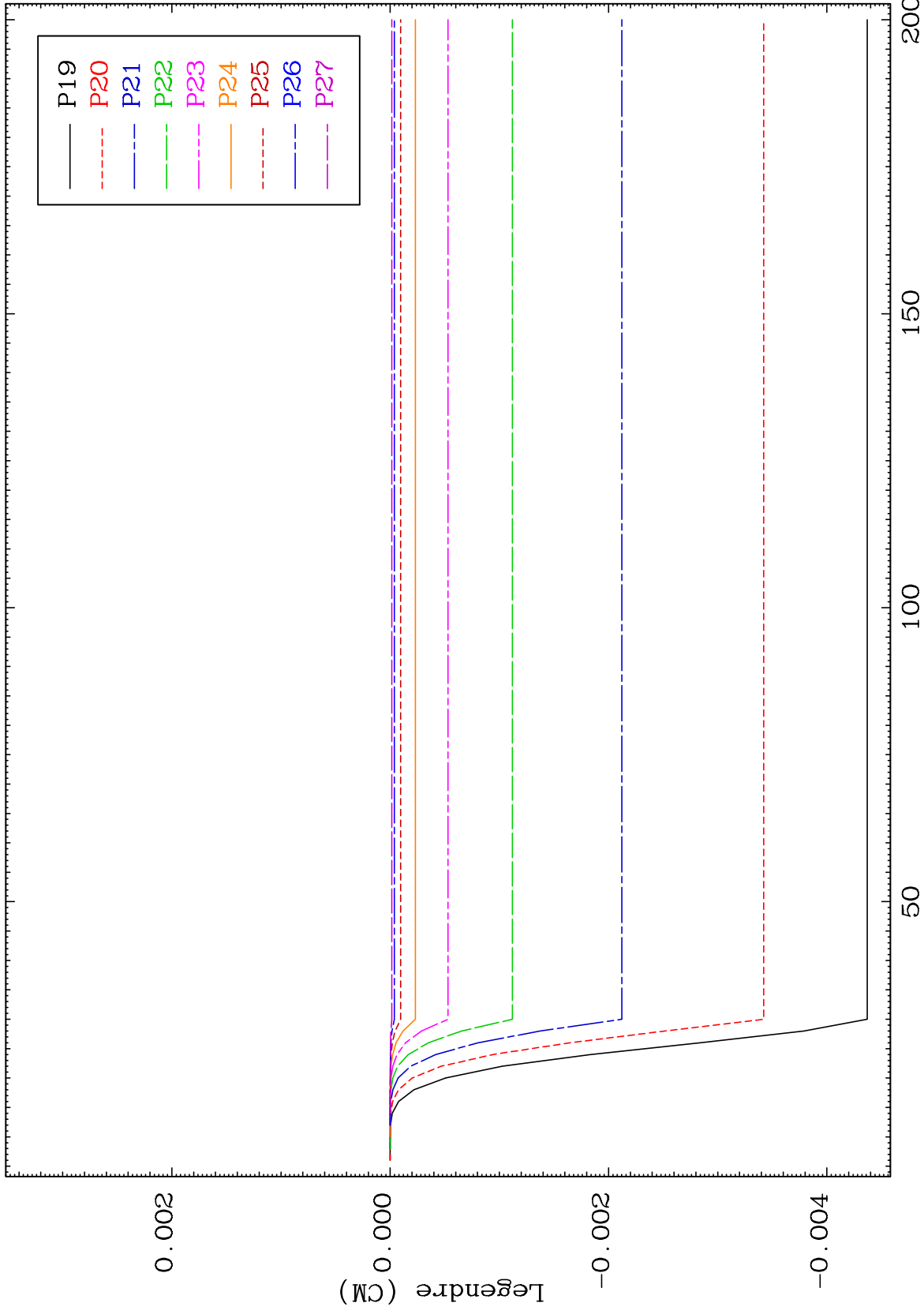
Incident Energy (MeV)

100

MAT 6122

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

61-Pm-138



101

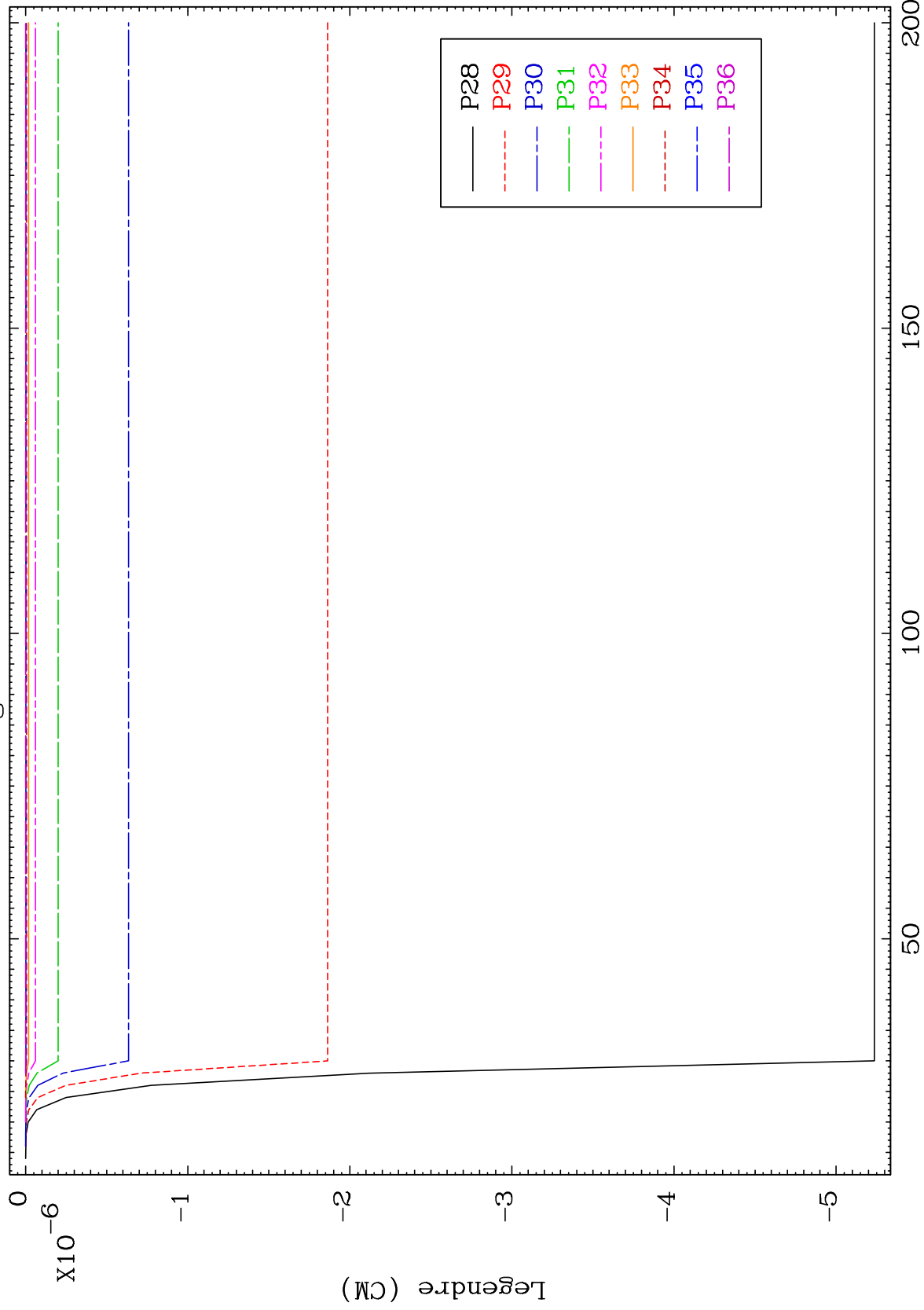
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



102

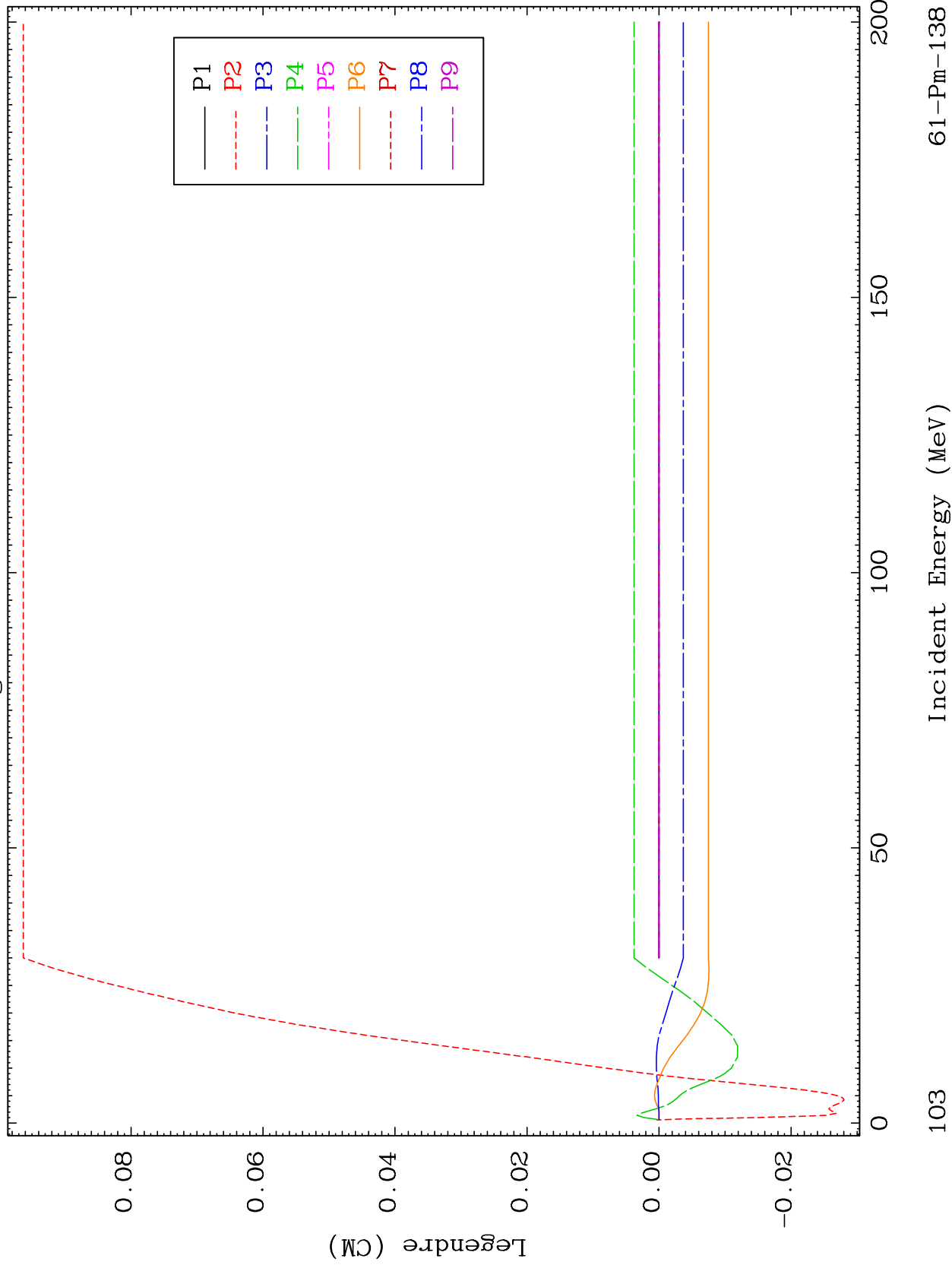
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



61-Pm-138

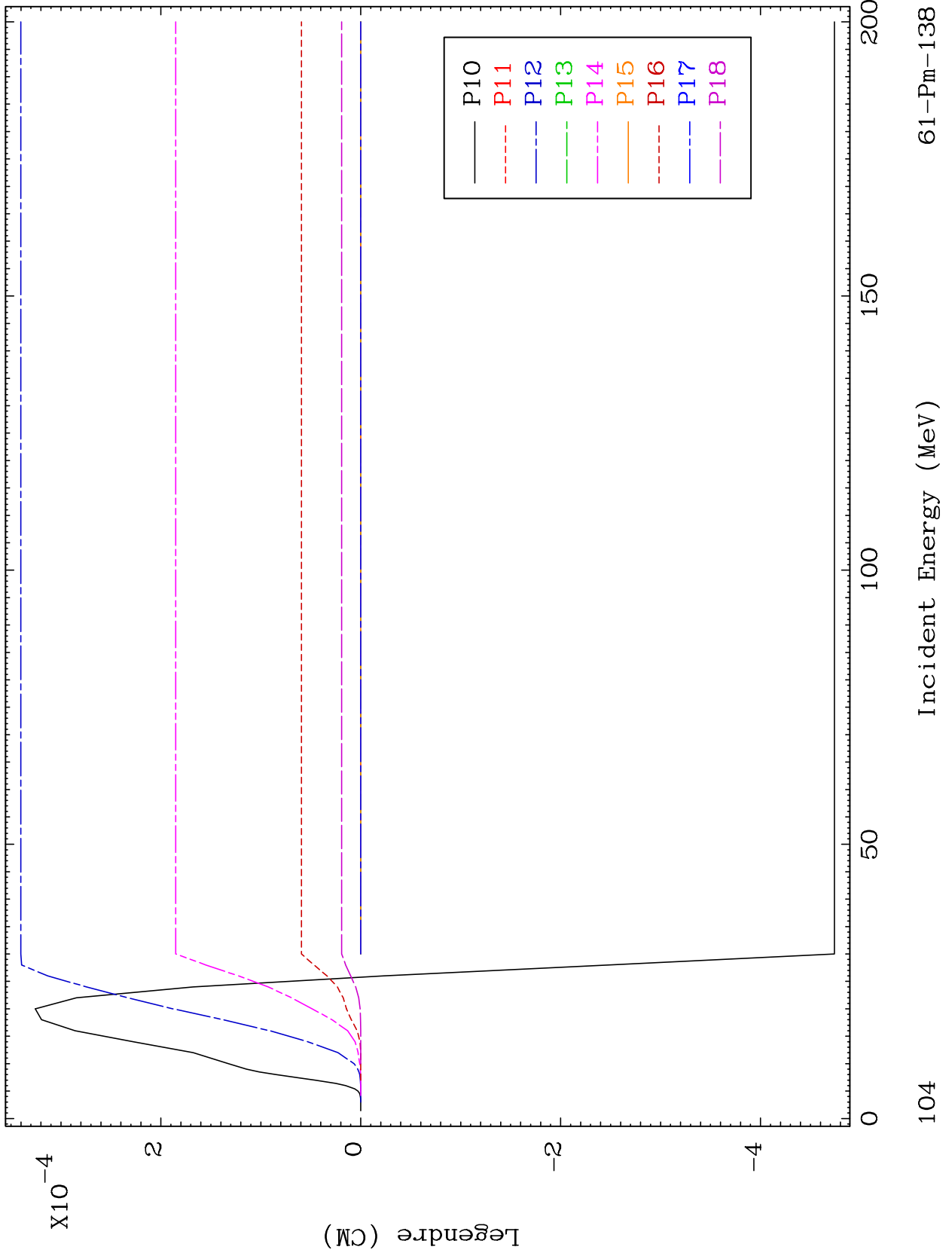
Incident Energy (MeV)

103

MAT 6122

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

61-Pm-138



104

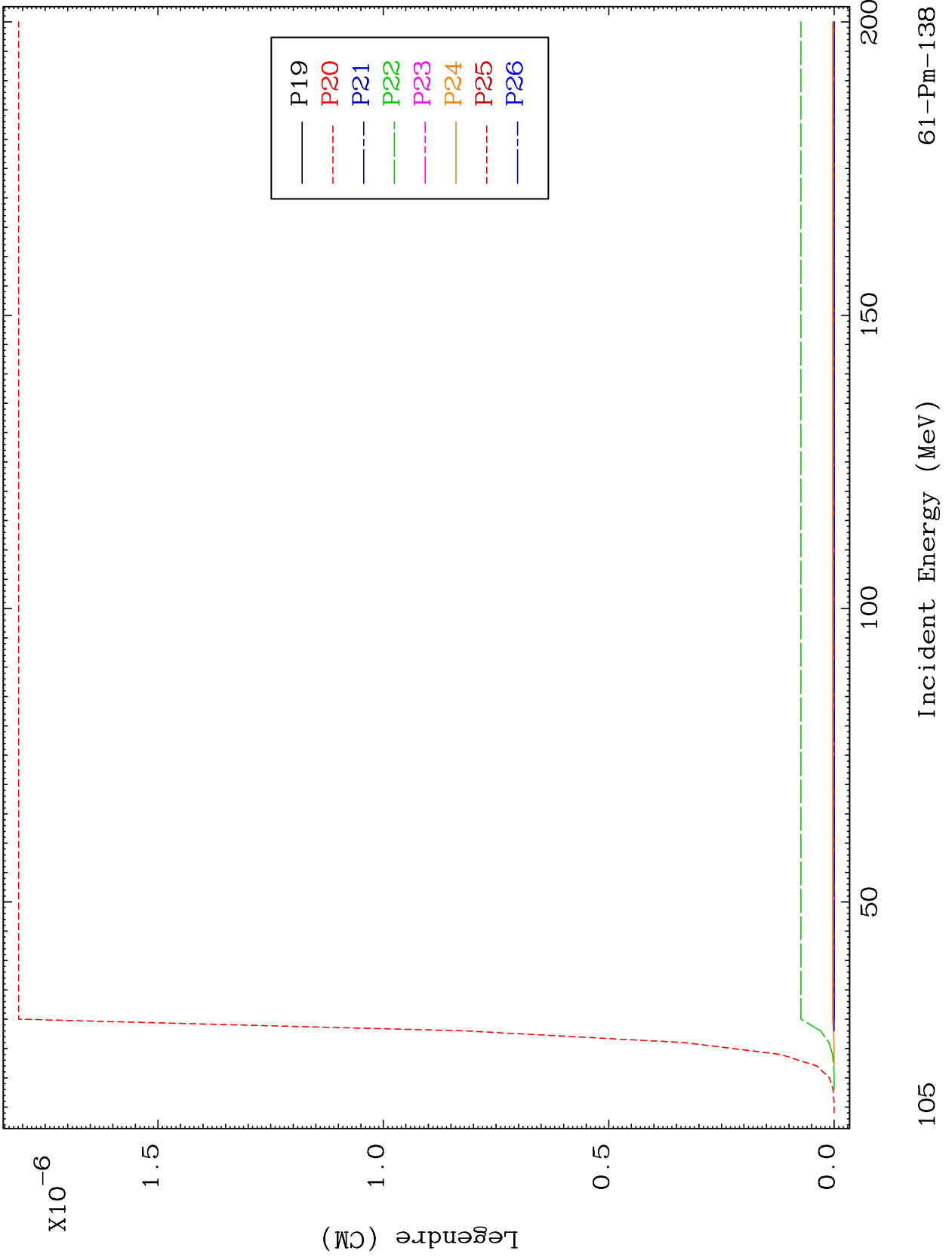
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138

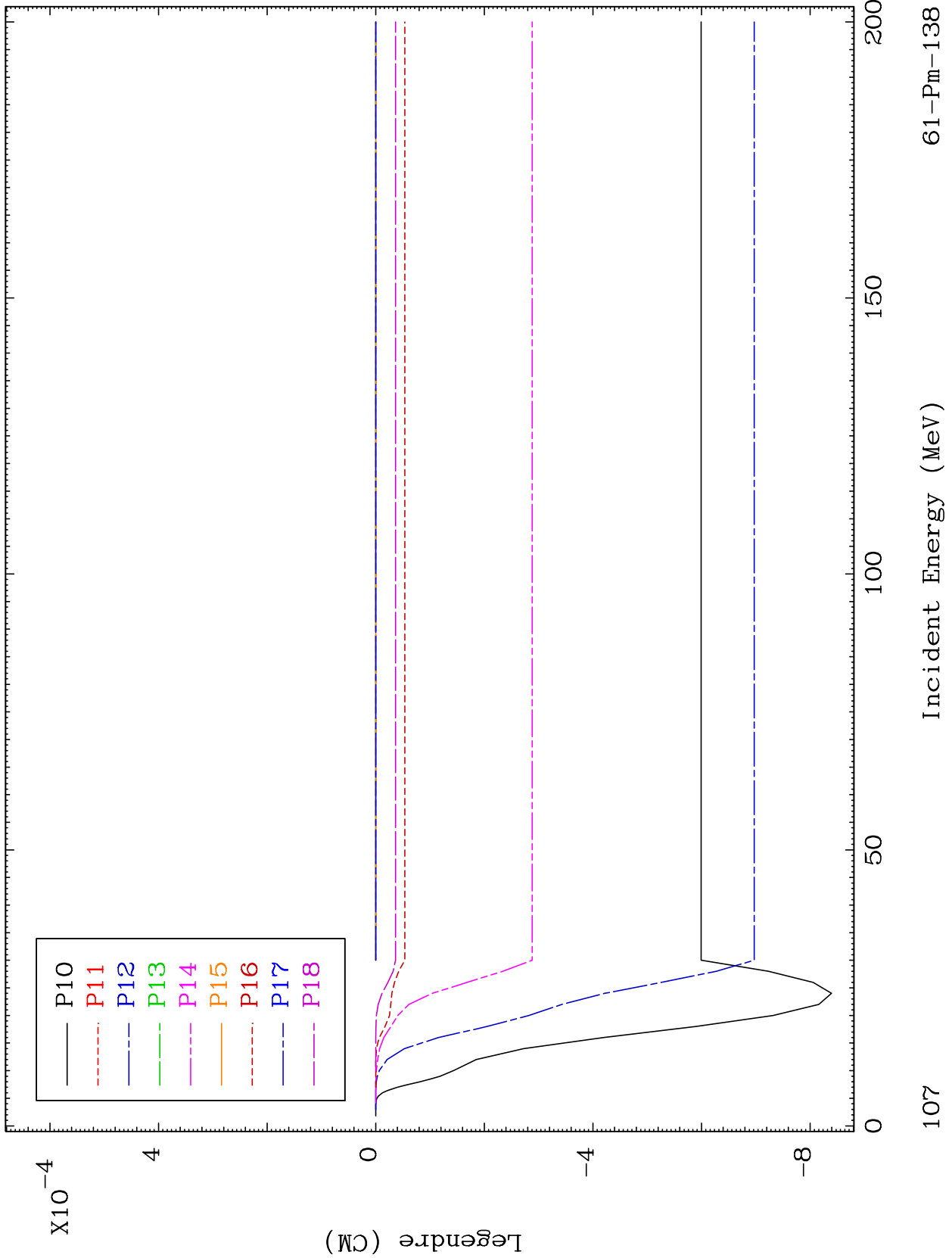


61-Pm-138

MAT 61222

MT= 74 (n,n') Level
Legendre Coefficients

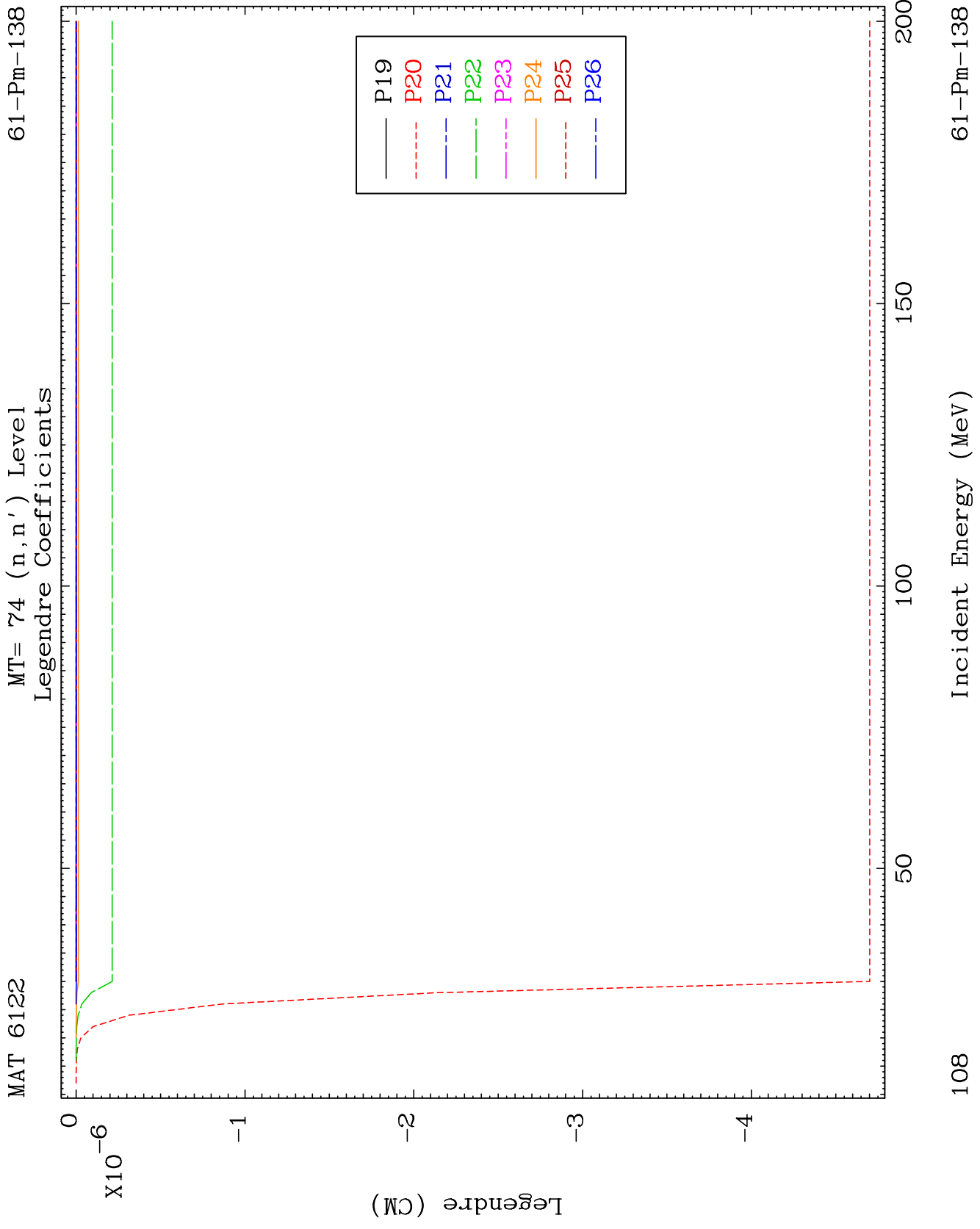
61-Pm-138



61-Pm-138

Incident Energy (MeV)

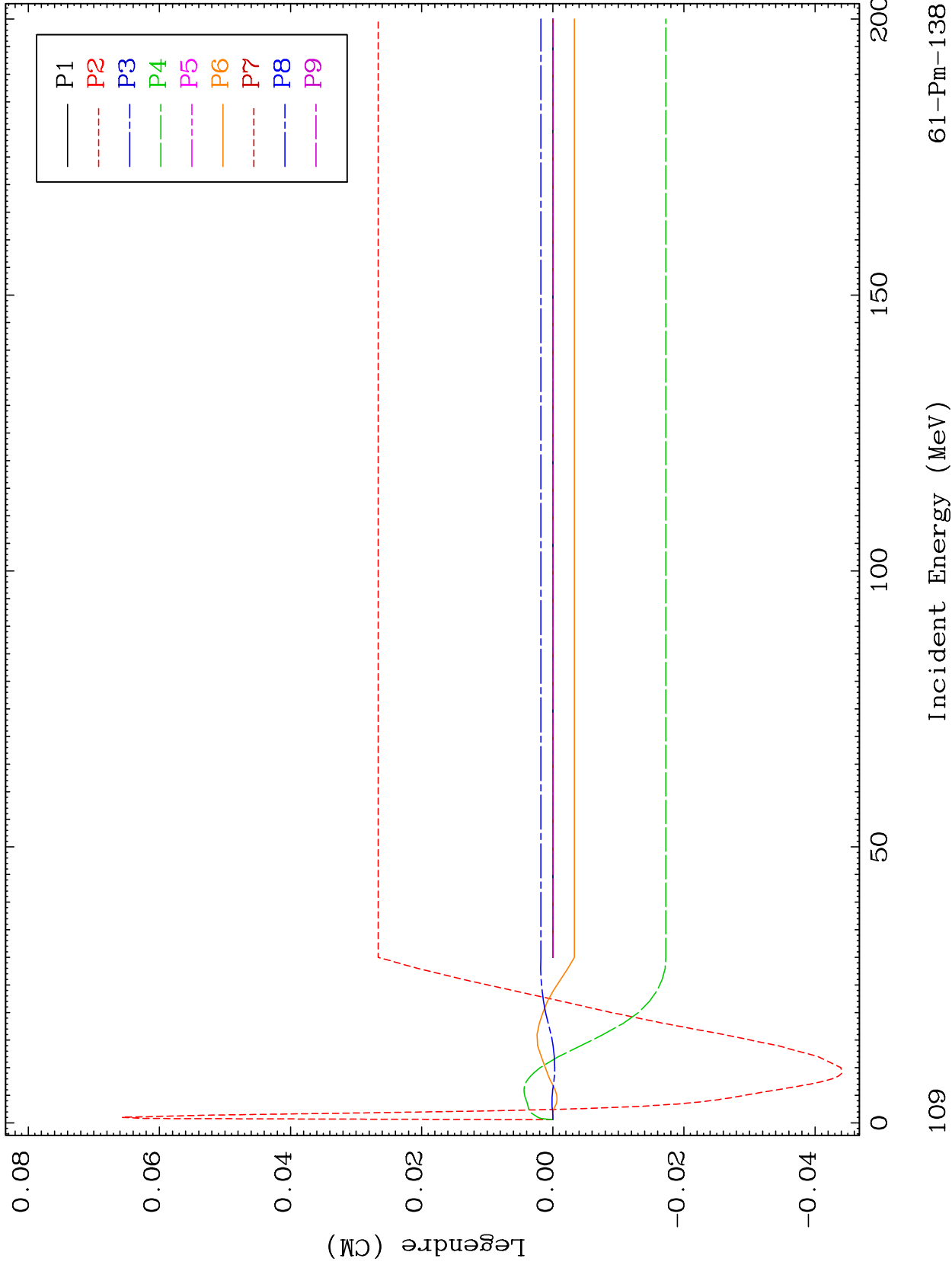
107



MAT 6122

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

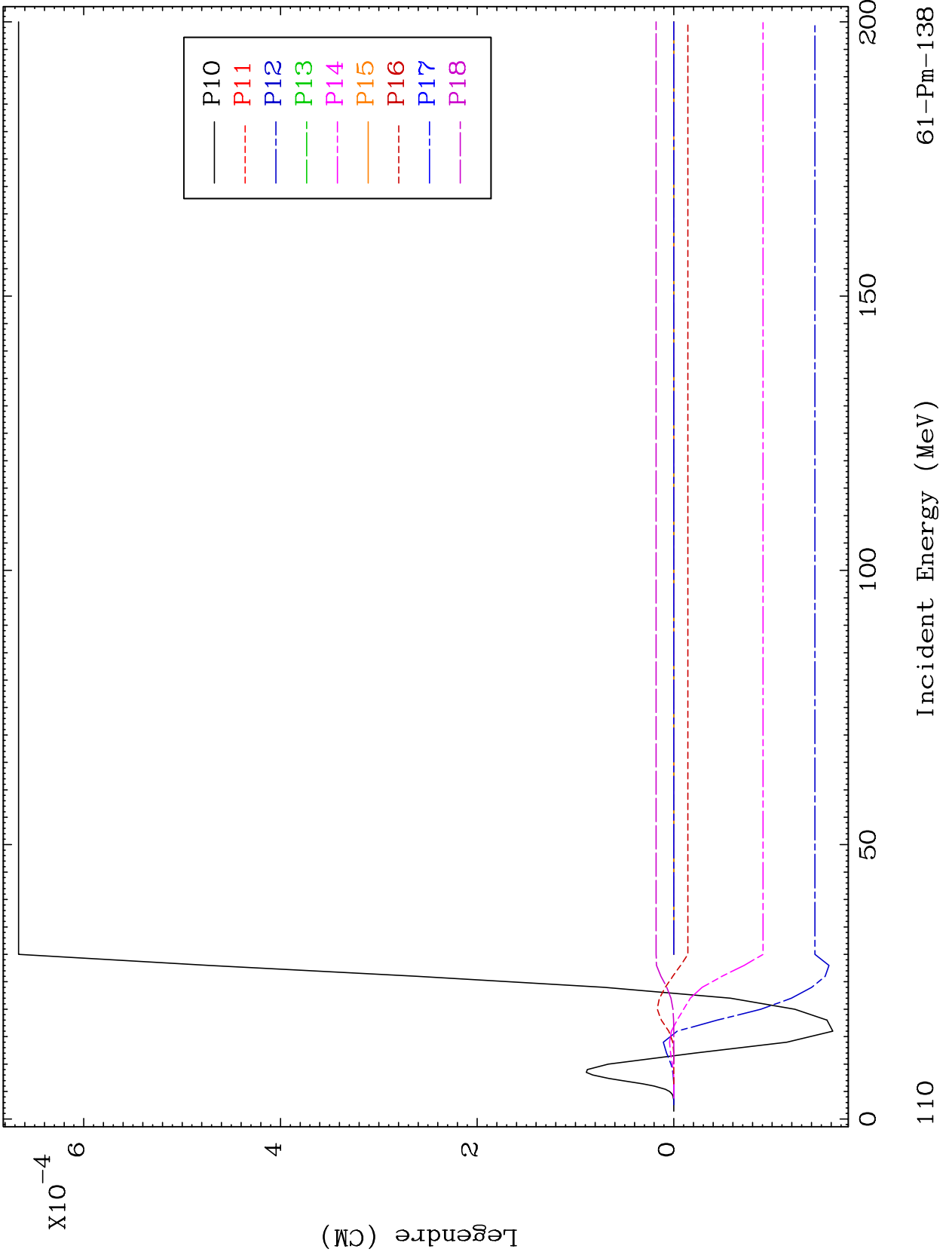
61-Pm-138



MAT 6122

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

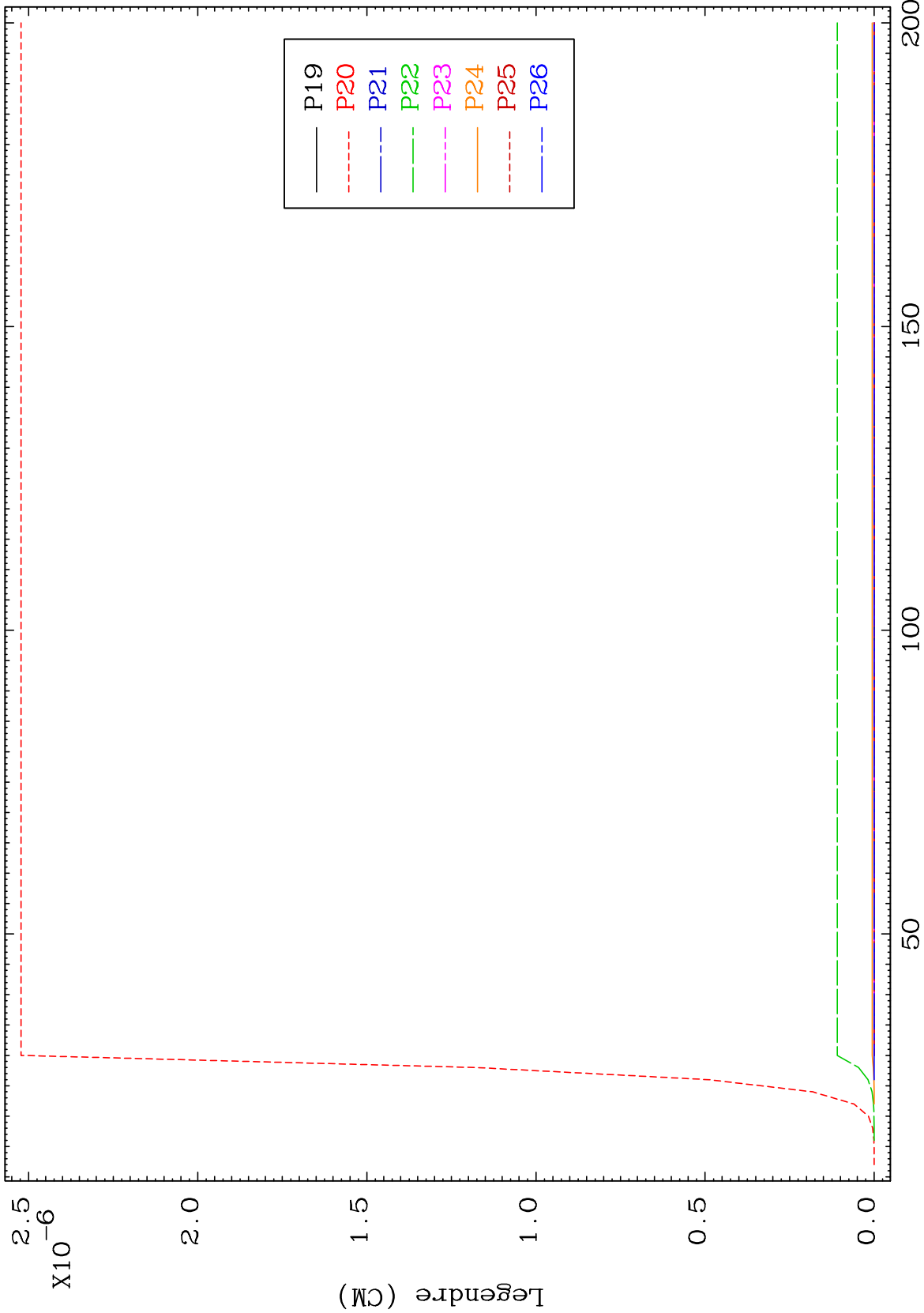
61-Pm-138



MAT 6122

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

61-Pm-138



111

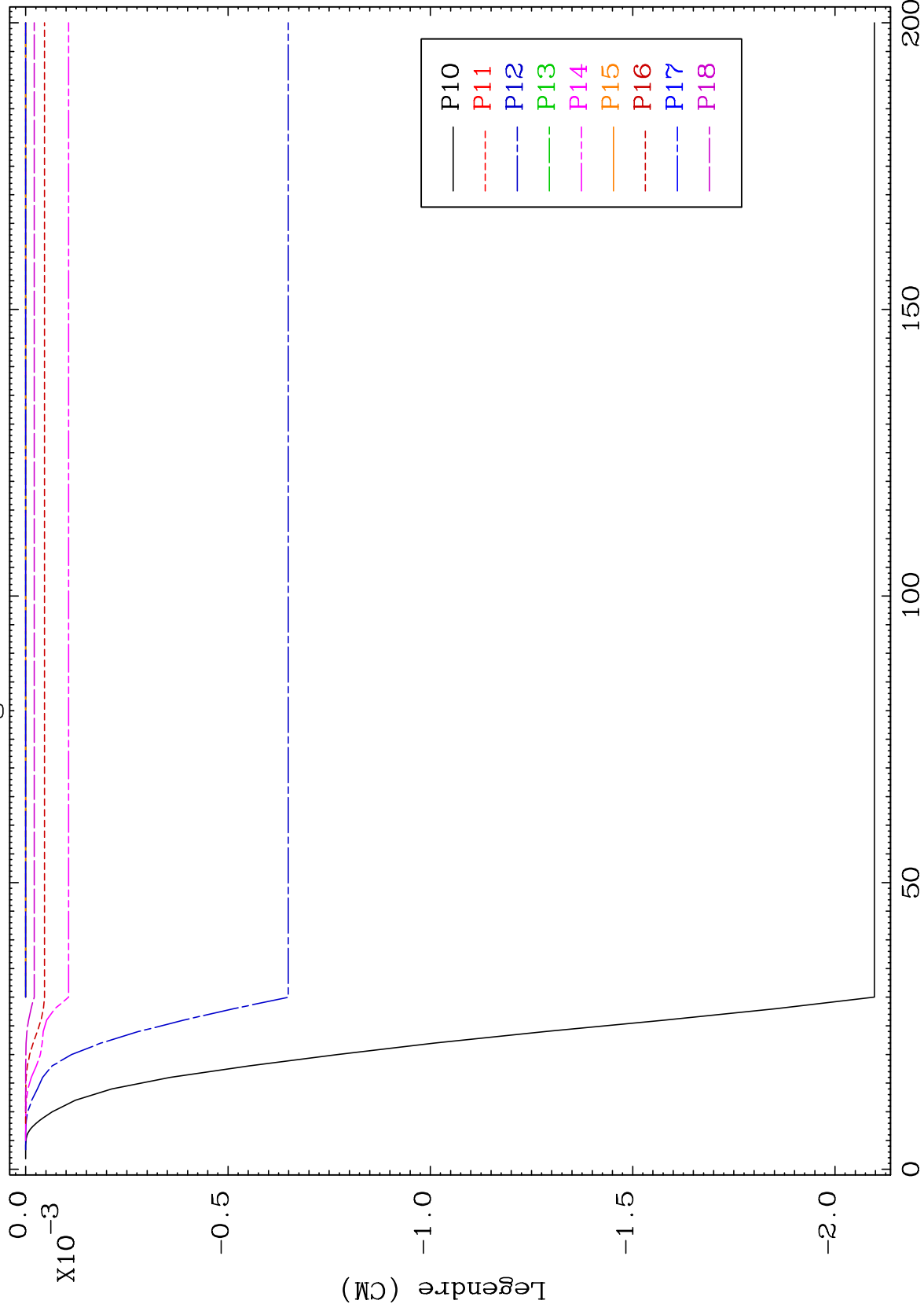
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

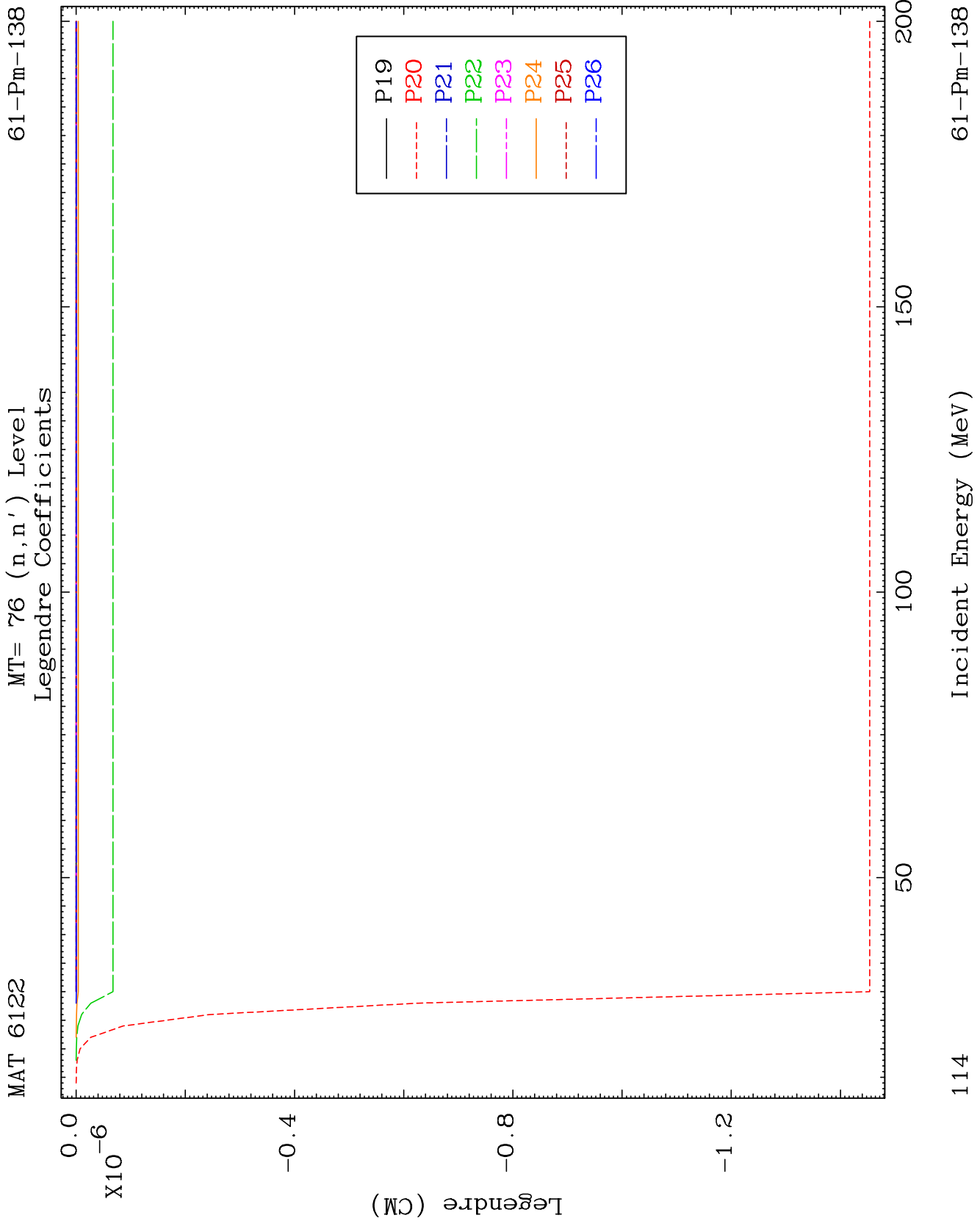
61-Pm-138



113

Incident Energy (MeV)

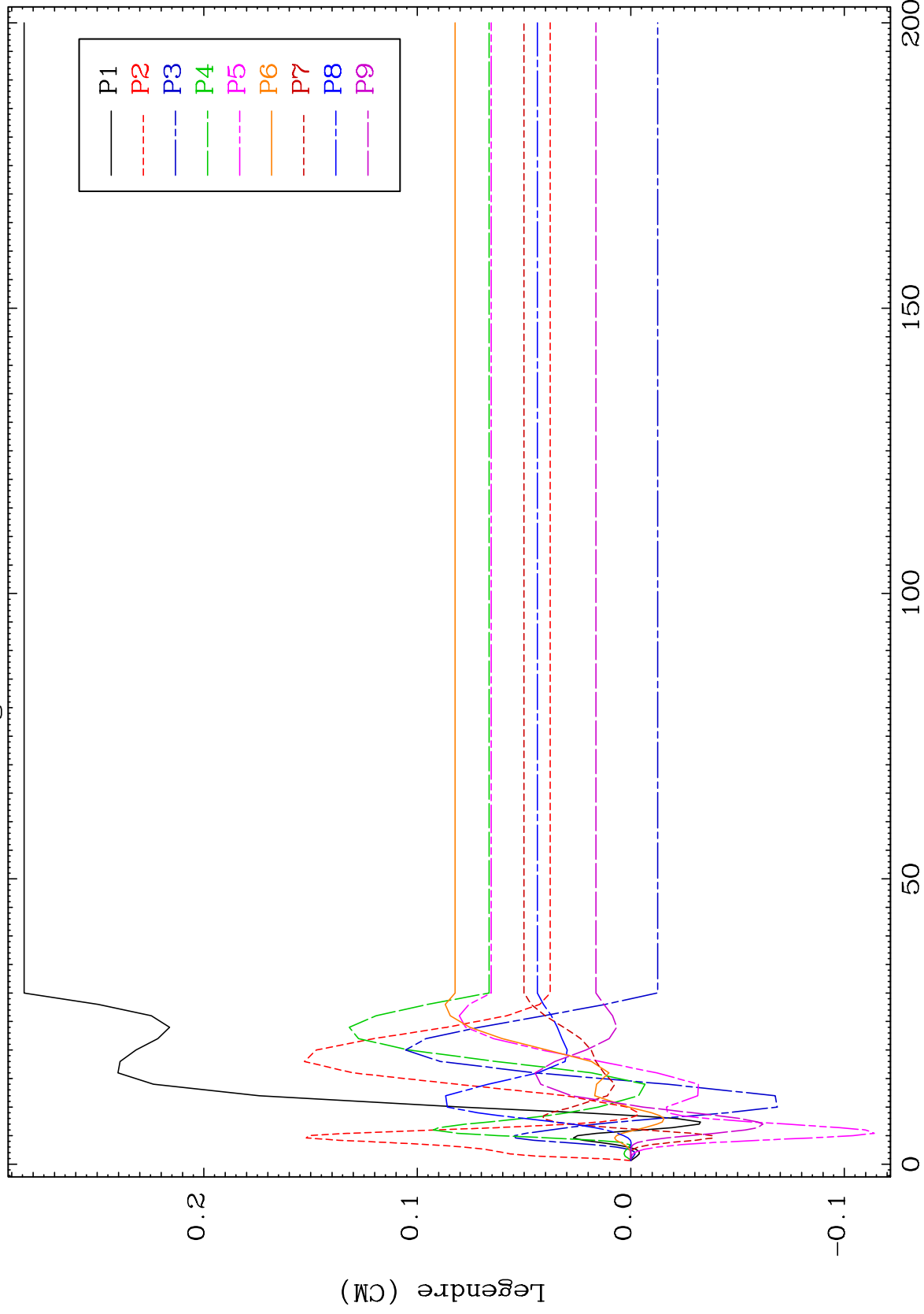
61-Pm-138



MAT 6122

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

61-Pm-138



61-Pm-138

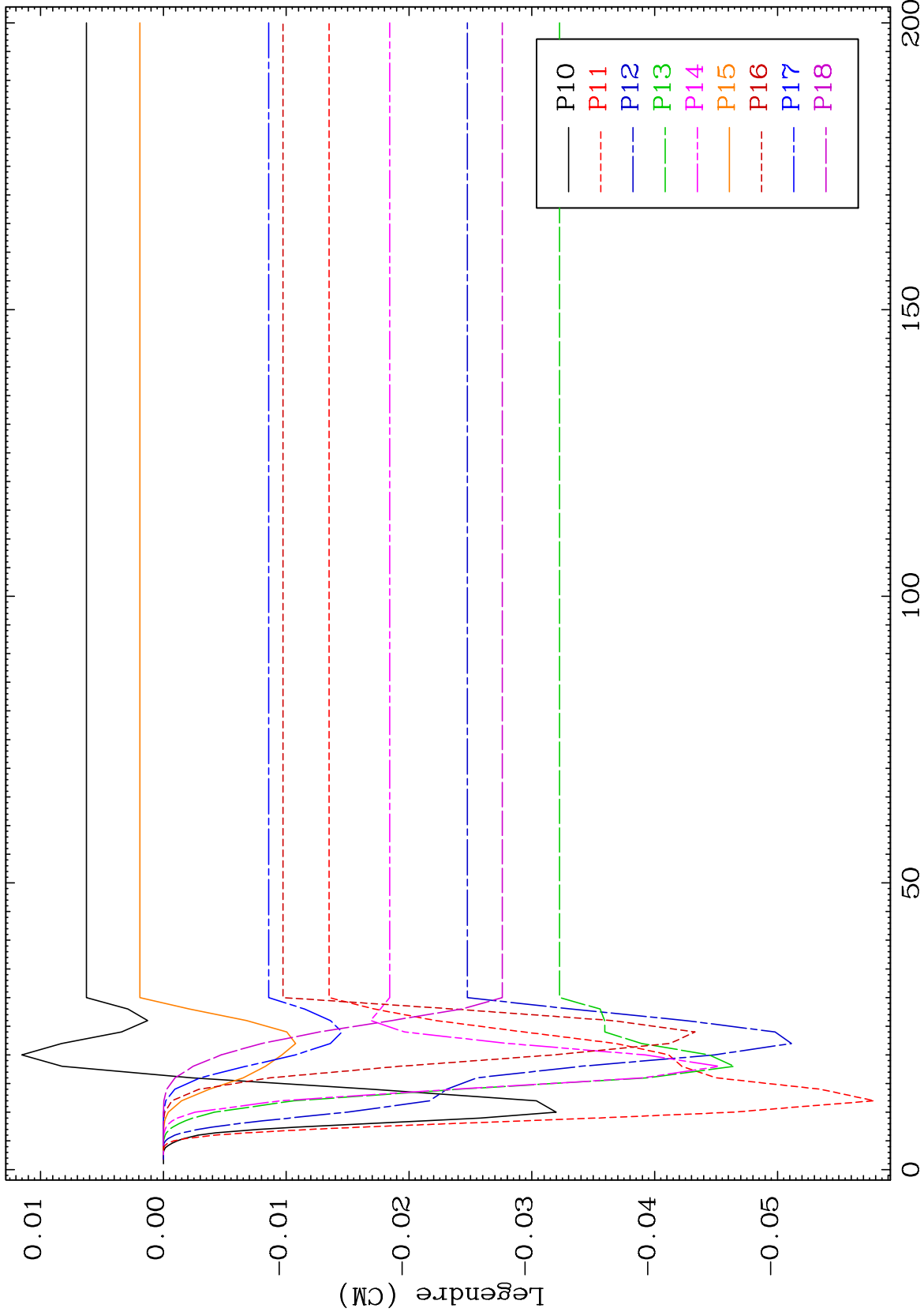
Incident Energy (MeV)

Legendre (CM)

MAT 61222

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

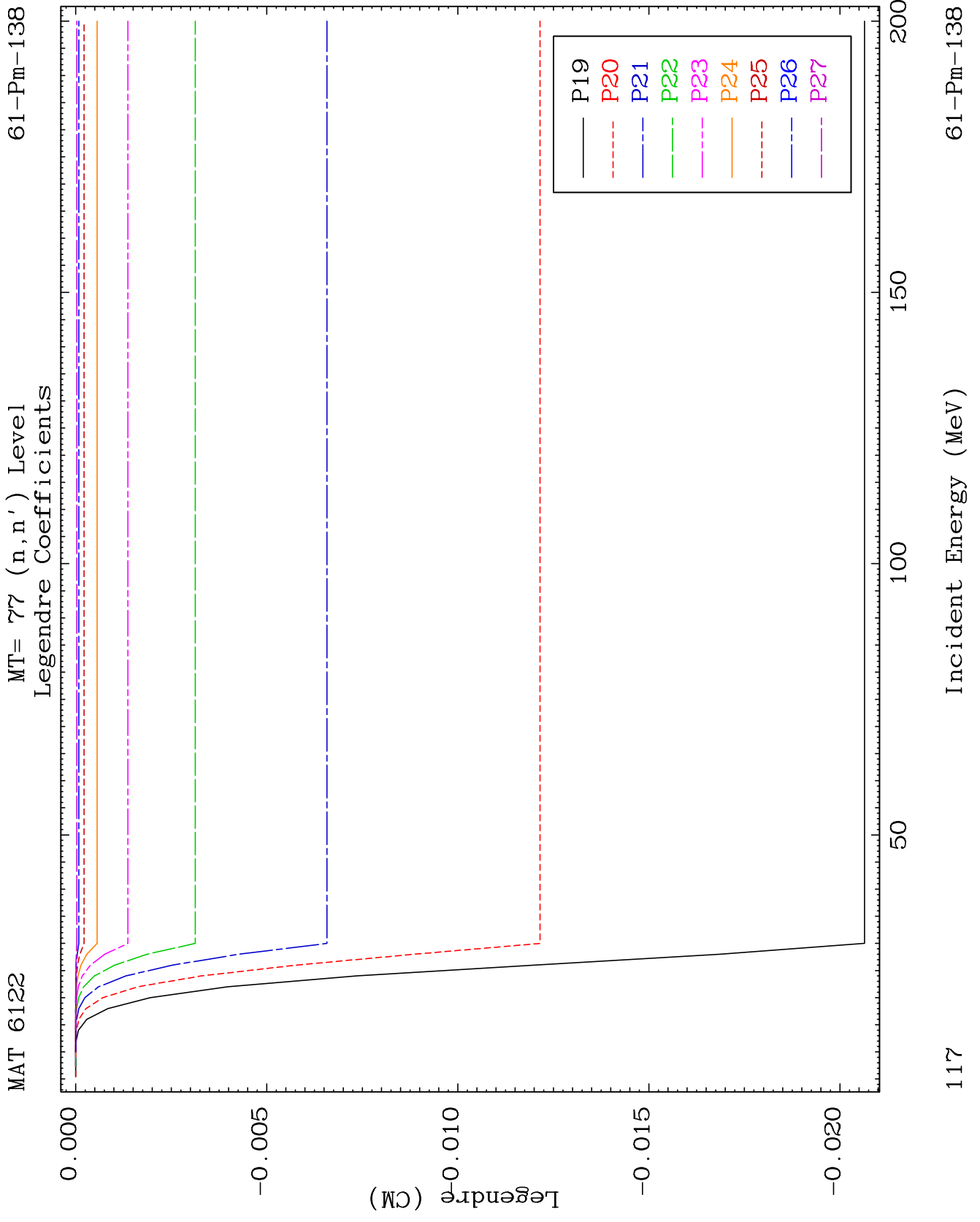
61-Pm-138



116

Incident Energy (MeV)

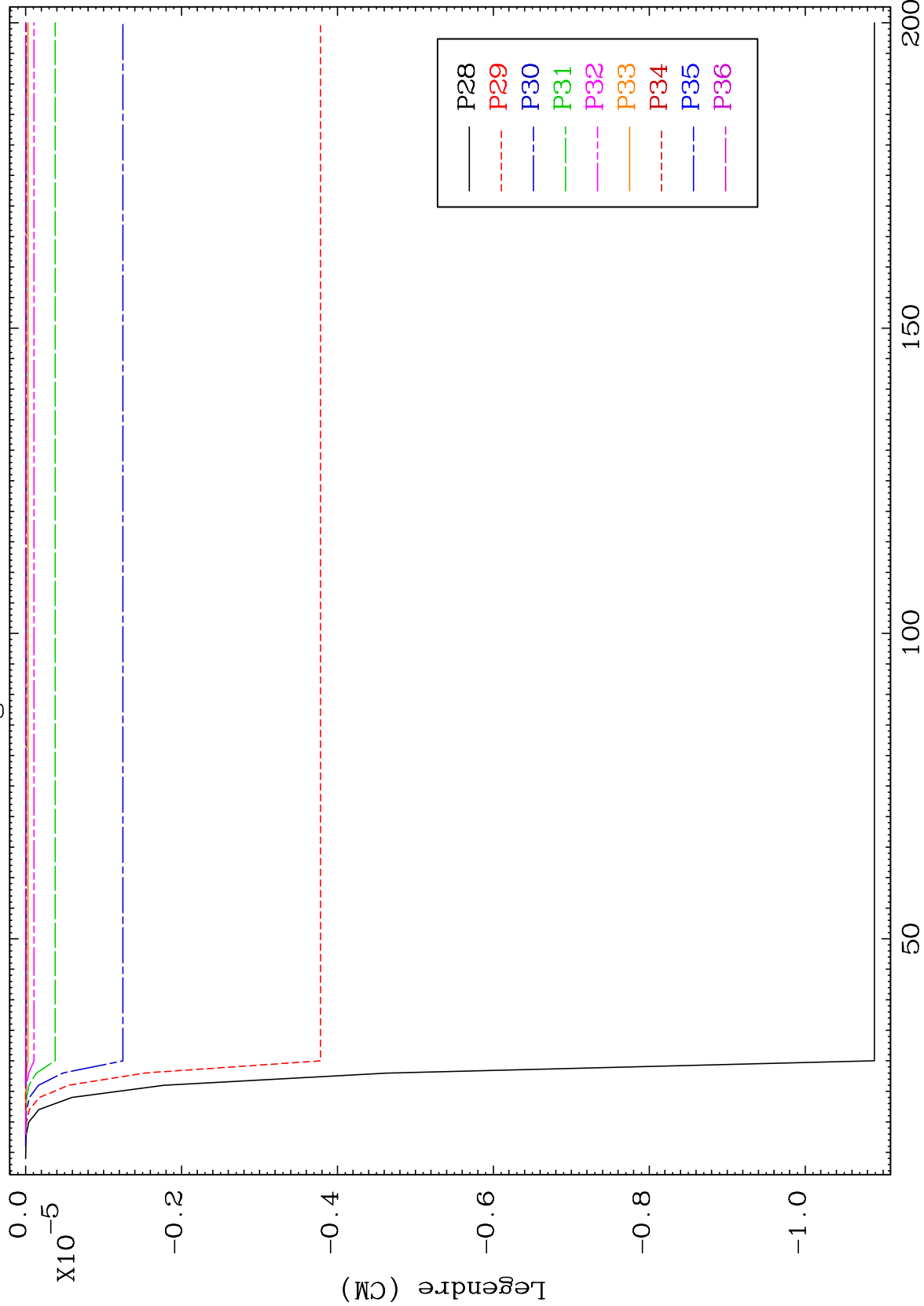
61-Pm-138



MAT 6122

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

61-Pm-138



61-Pm-138

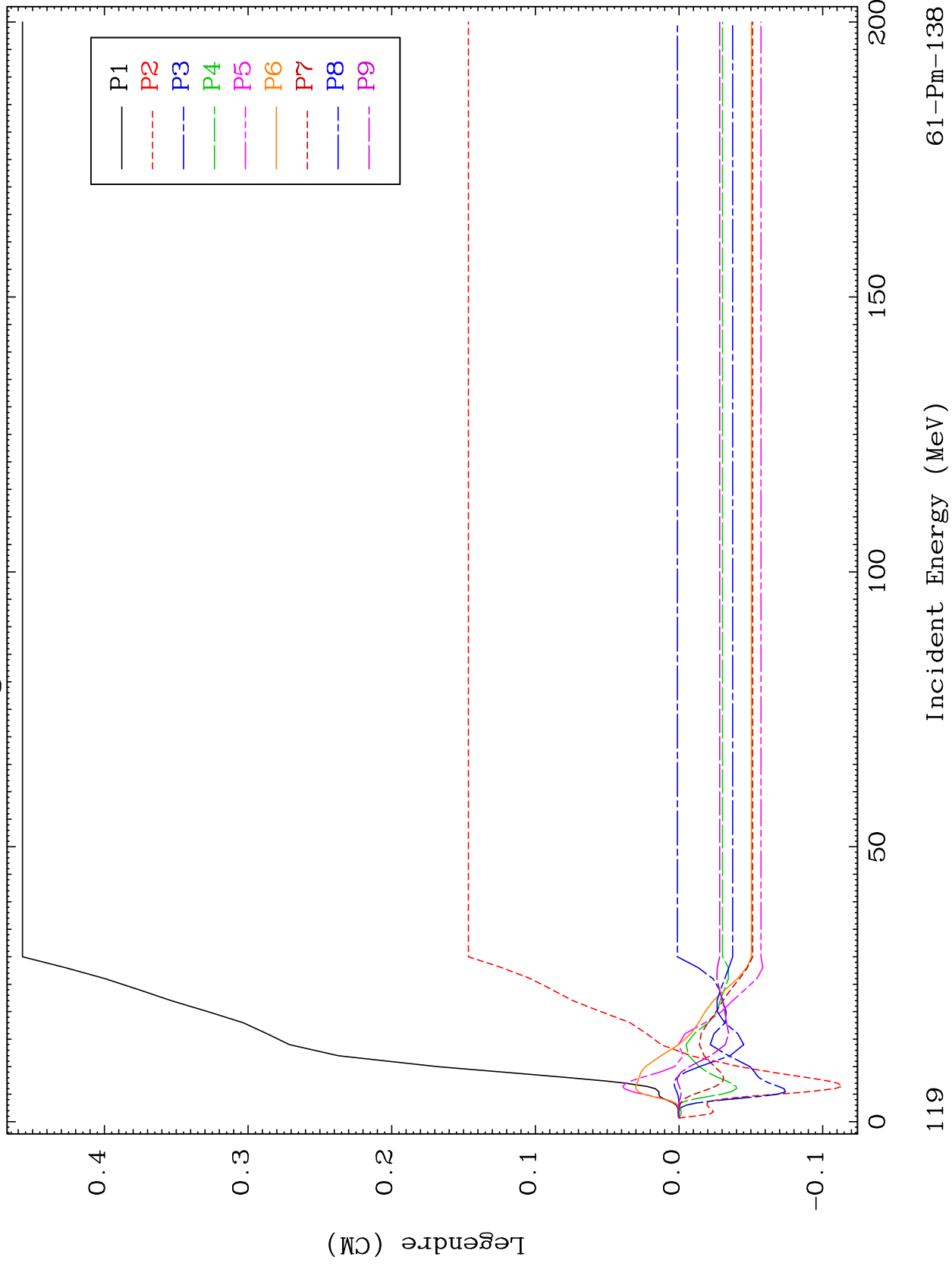
Incident Energy (MeV)

118

MAT 6122

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

61-Pm-138



61-Pm-138

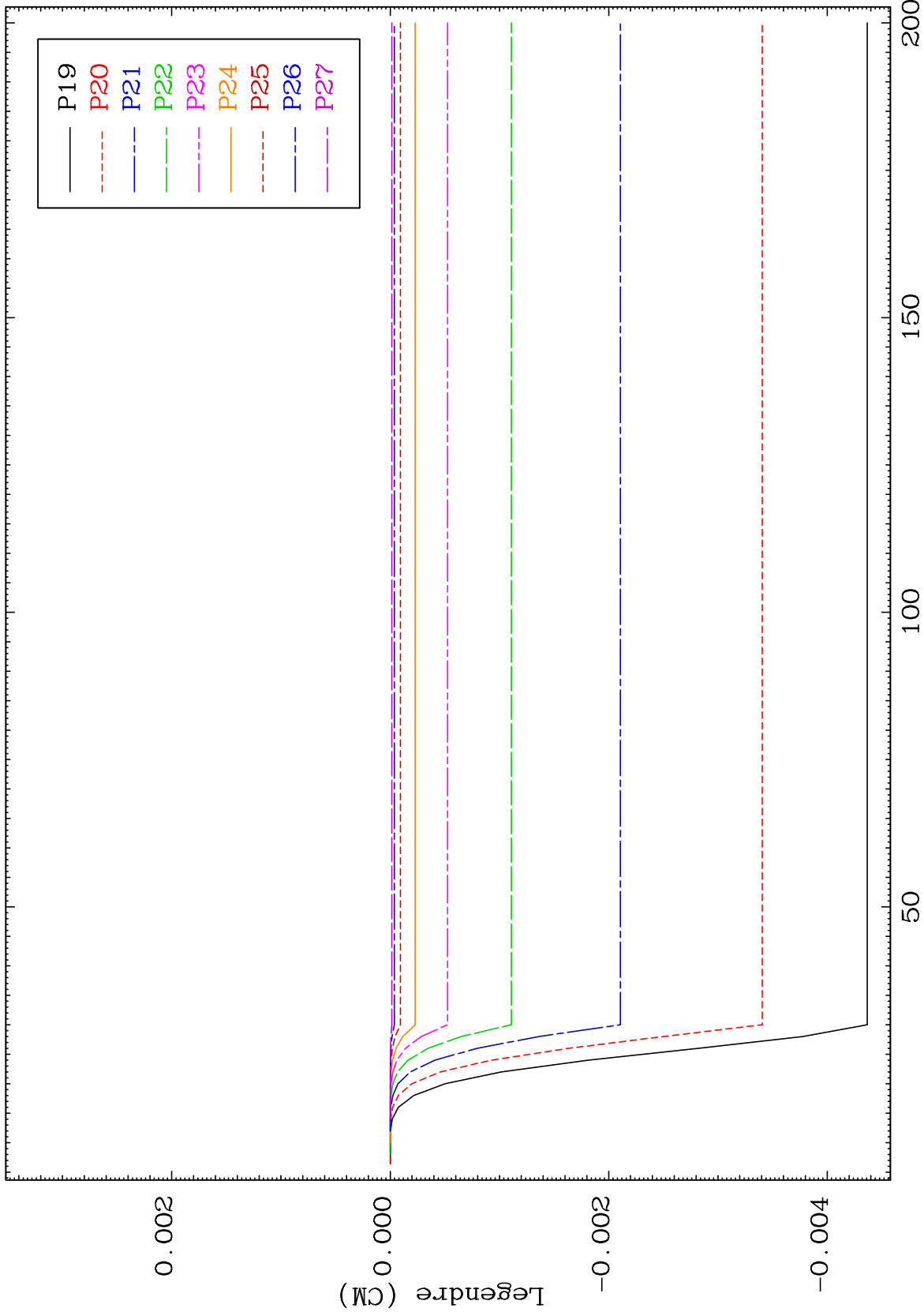
Incident Energy (MeV)

119

MAT 6122

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

61-Pm-138



121

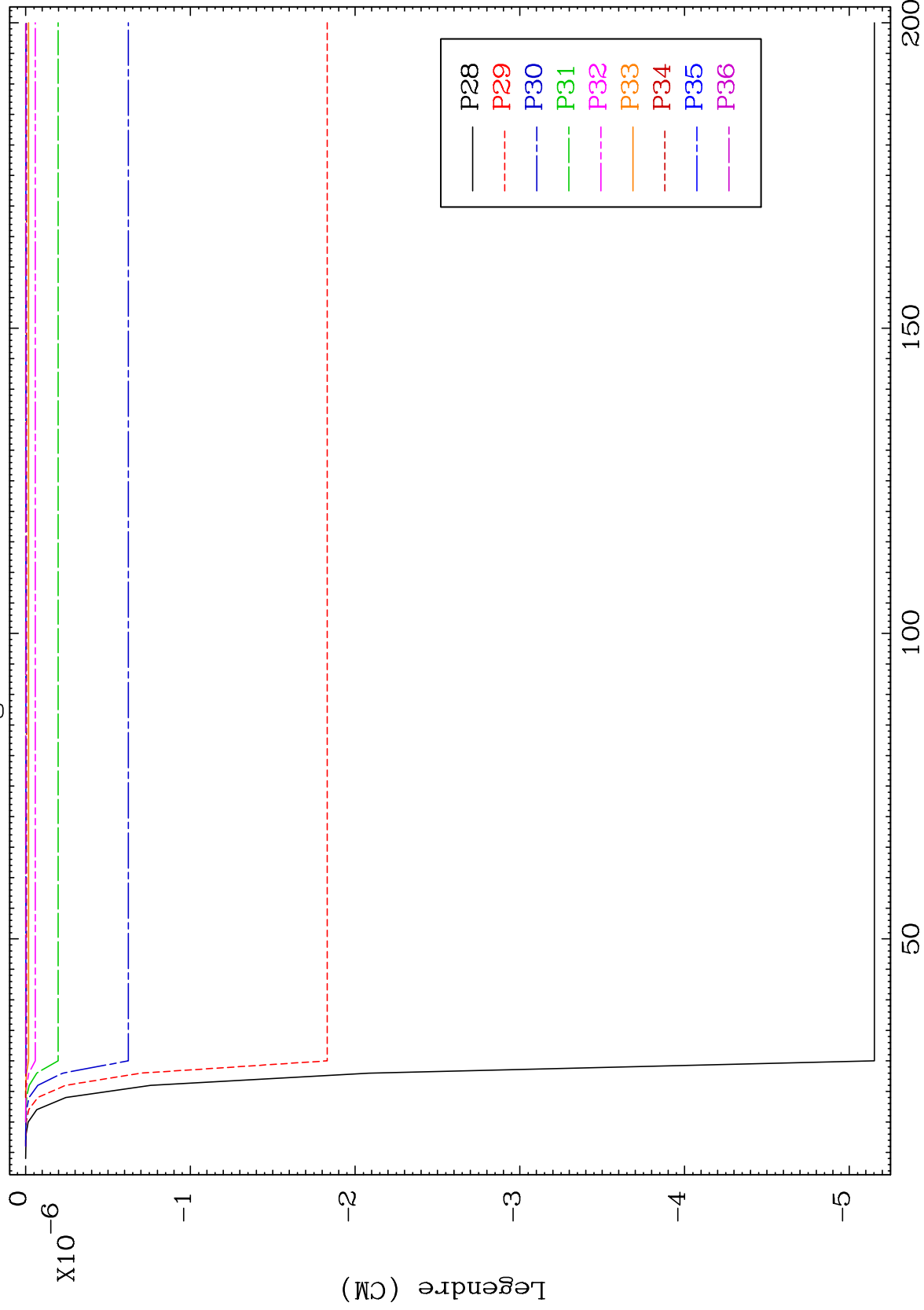
Incident Energy (MeV)

61-Pm-138

MAT 6122

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

61-Pm-138



122

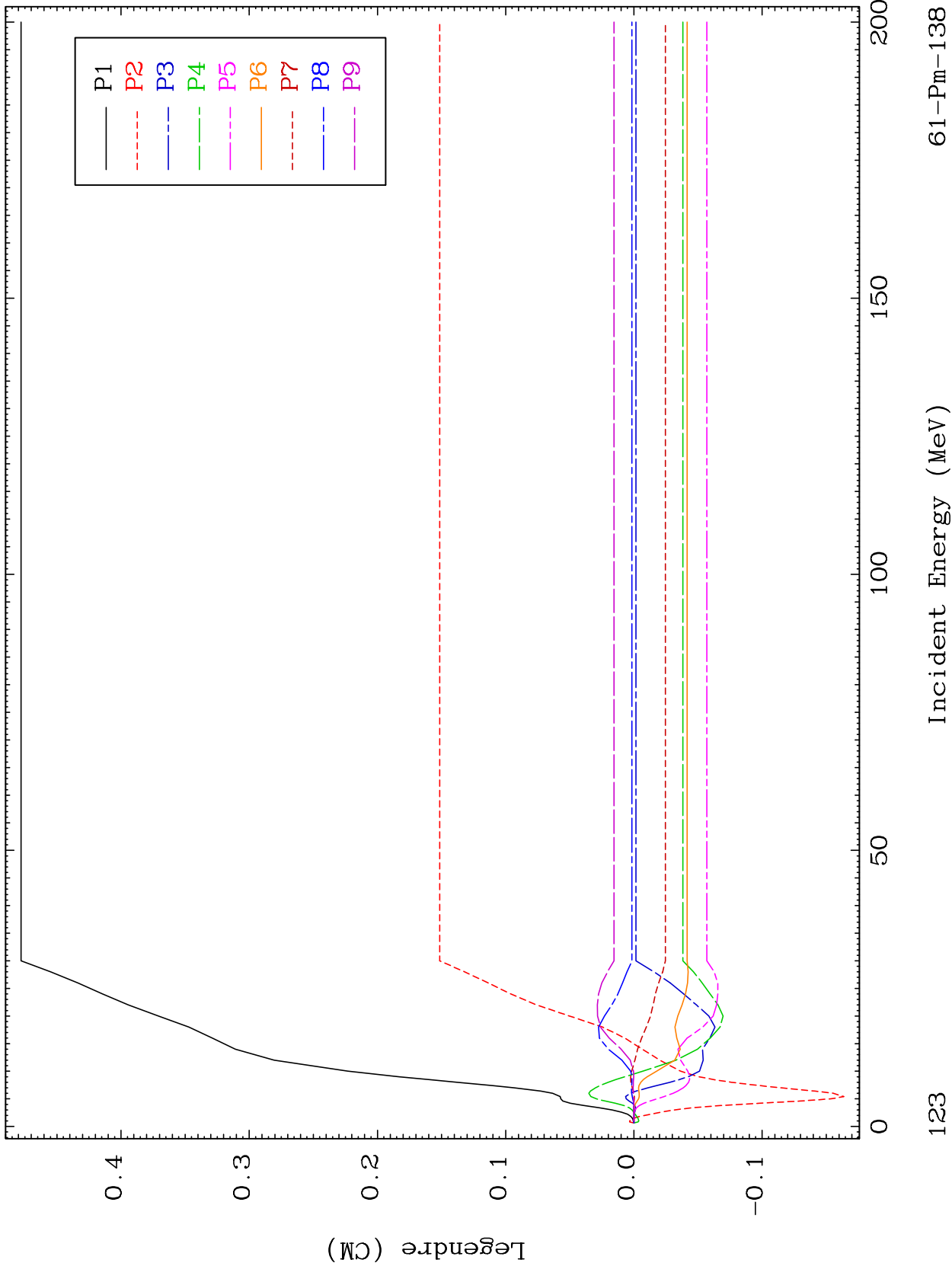
Incident Energy (MeV)

61-Pm-138

MAT 6122

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-138



61-Pm-138

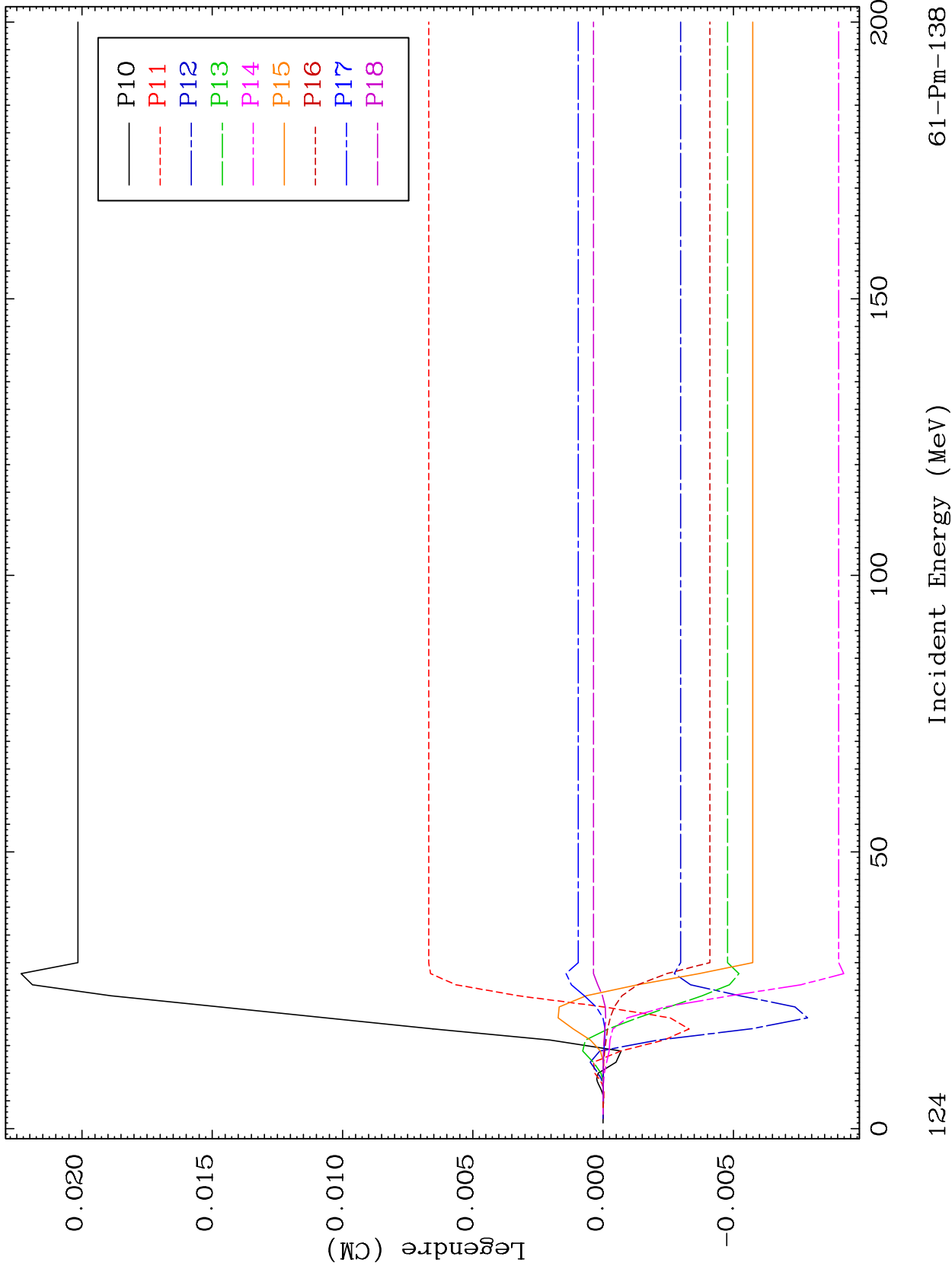
Incident Energy (MeV)

123

MAT 6122

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-138



124

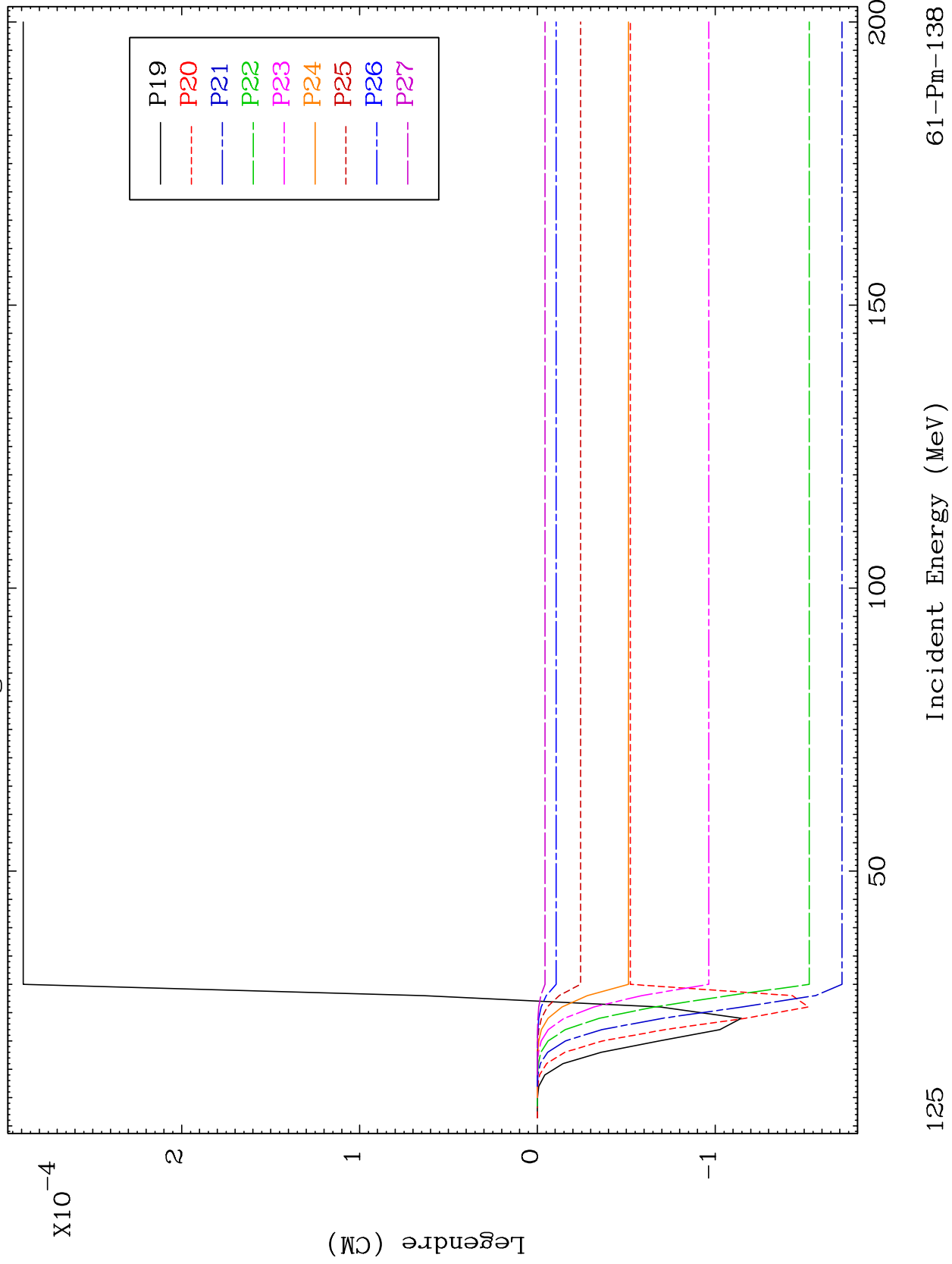
Incident Energy (MeV)

61-Pm-138

MAT 6122

MT= 79 (n,n') Level
Legendre Coefficients

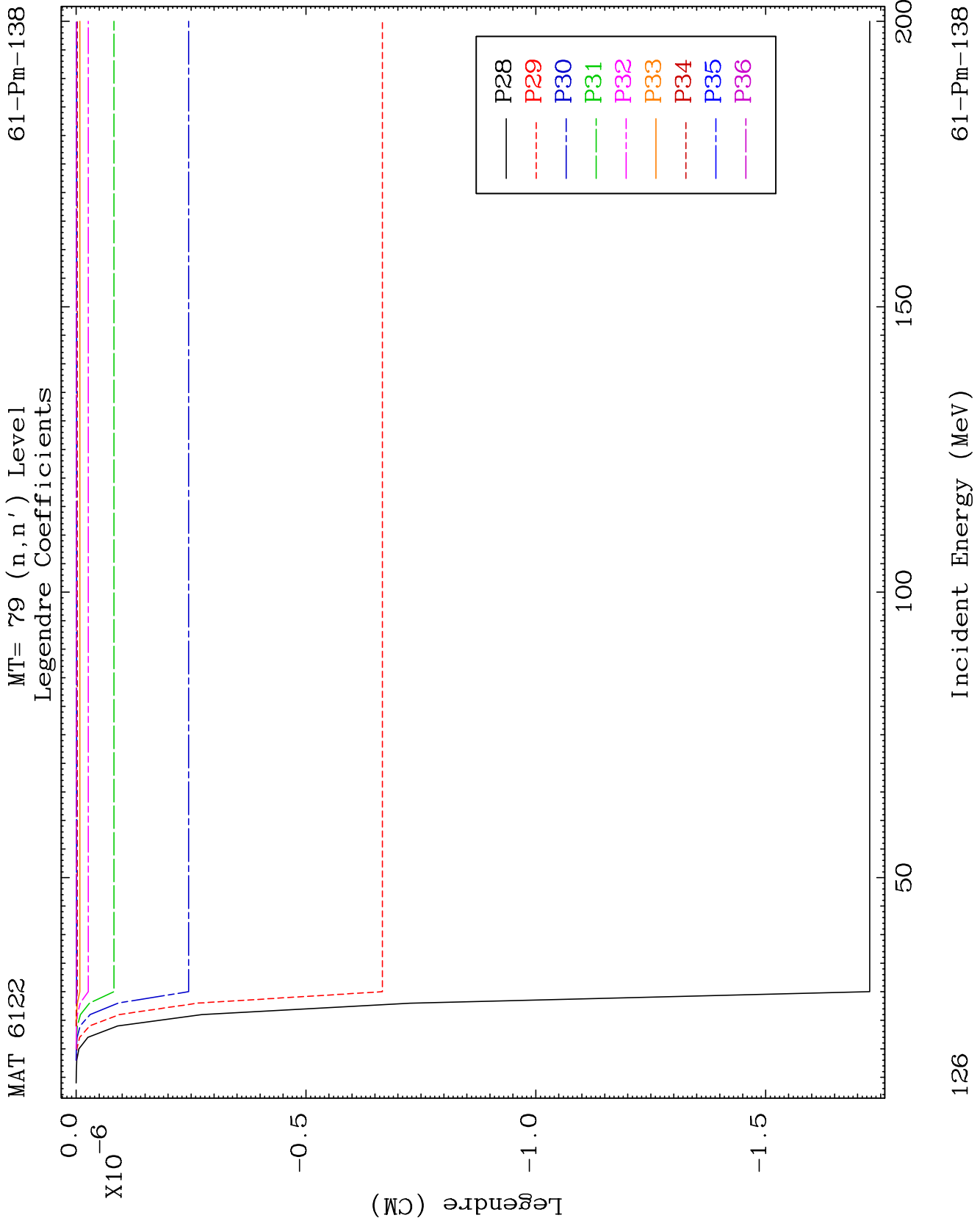
61-Pm-138

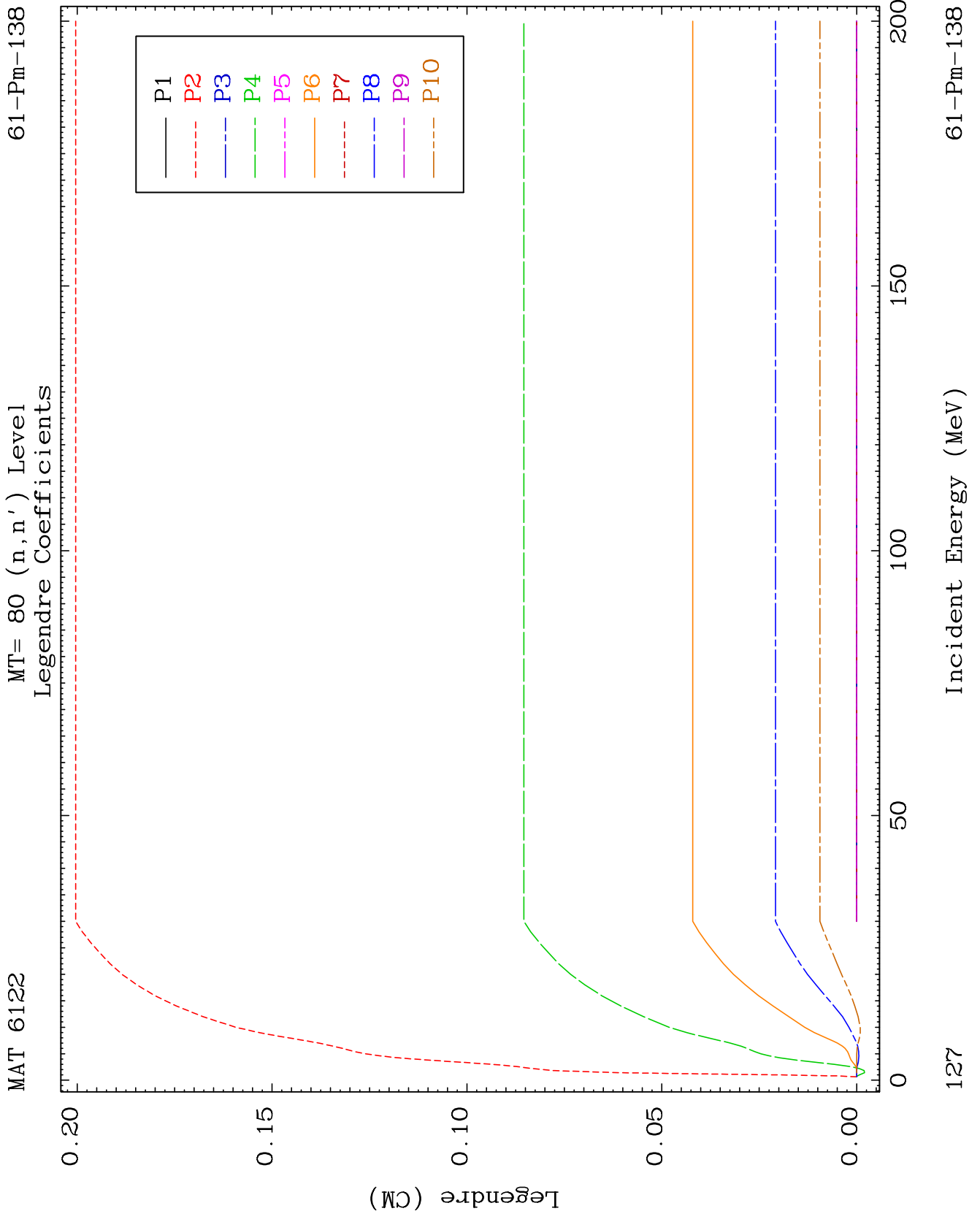


125

Incident Energy (MeV)

61-Pm-138





61-Pm-138

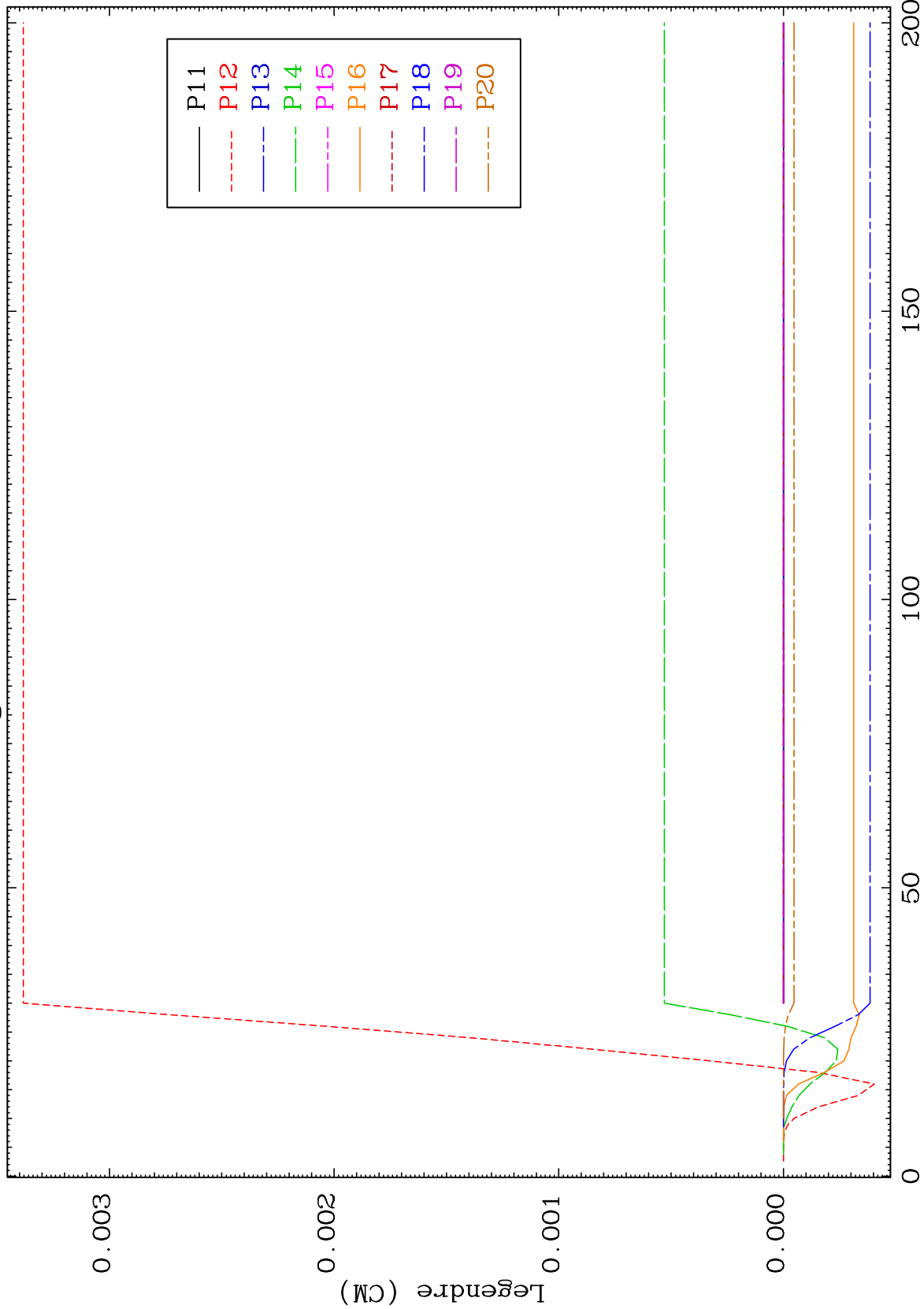
Incident Energy (MeV)

127

MAT 6122

MT= 80 (n,n') Level
Legendre Coefficients

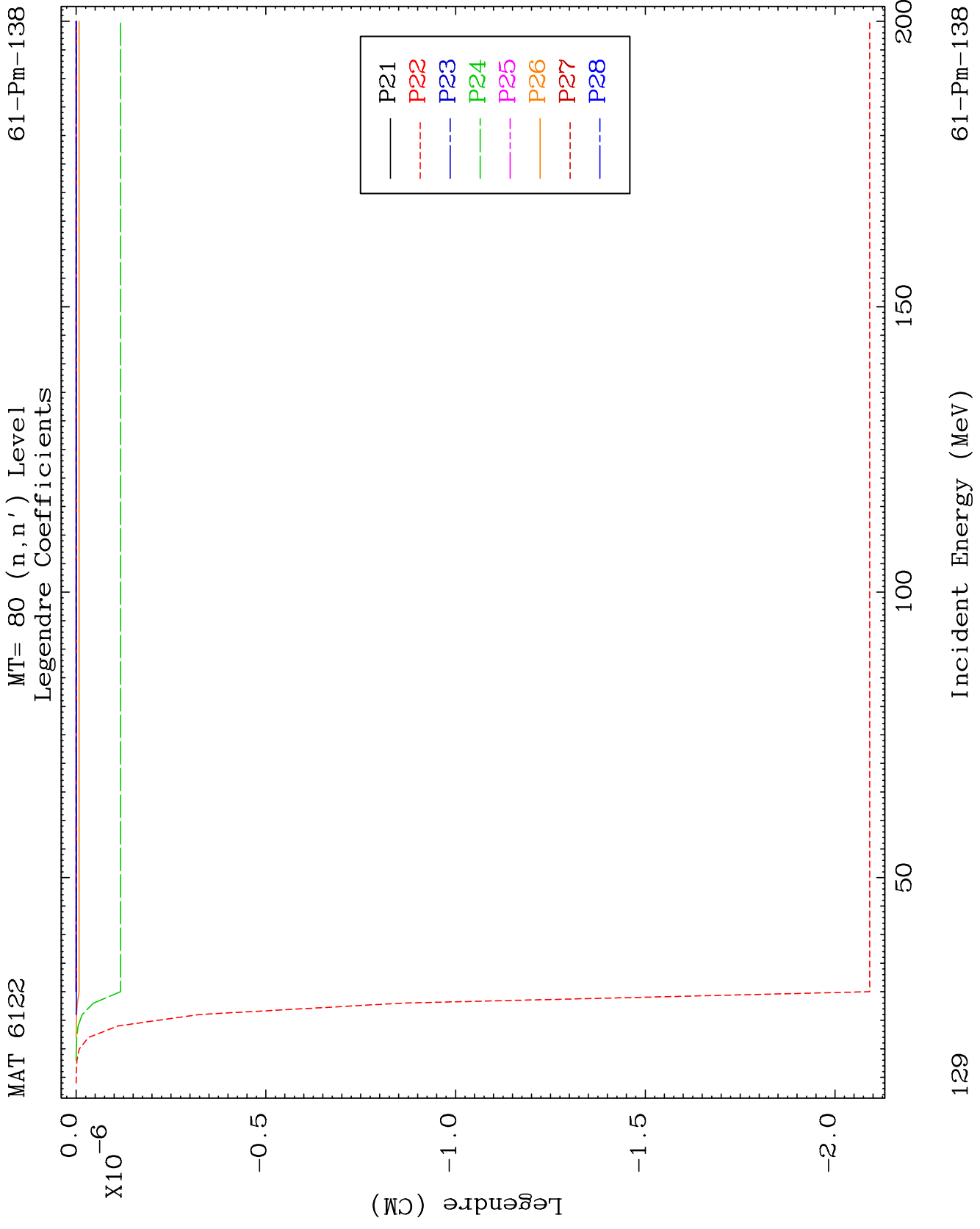
61-Pm-138



128

Incident Energy (MeV)

61-Pm-138

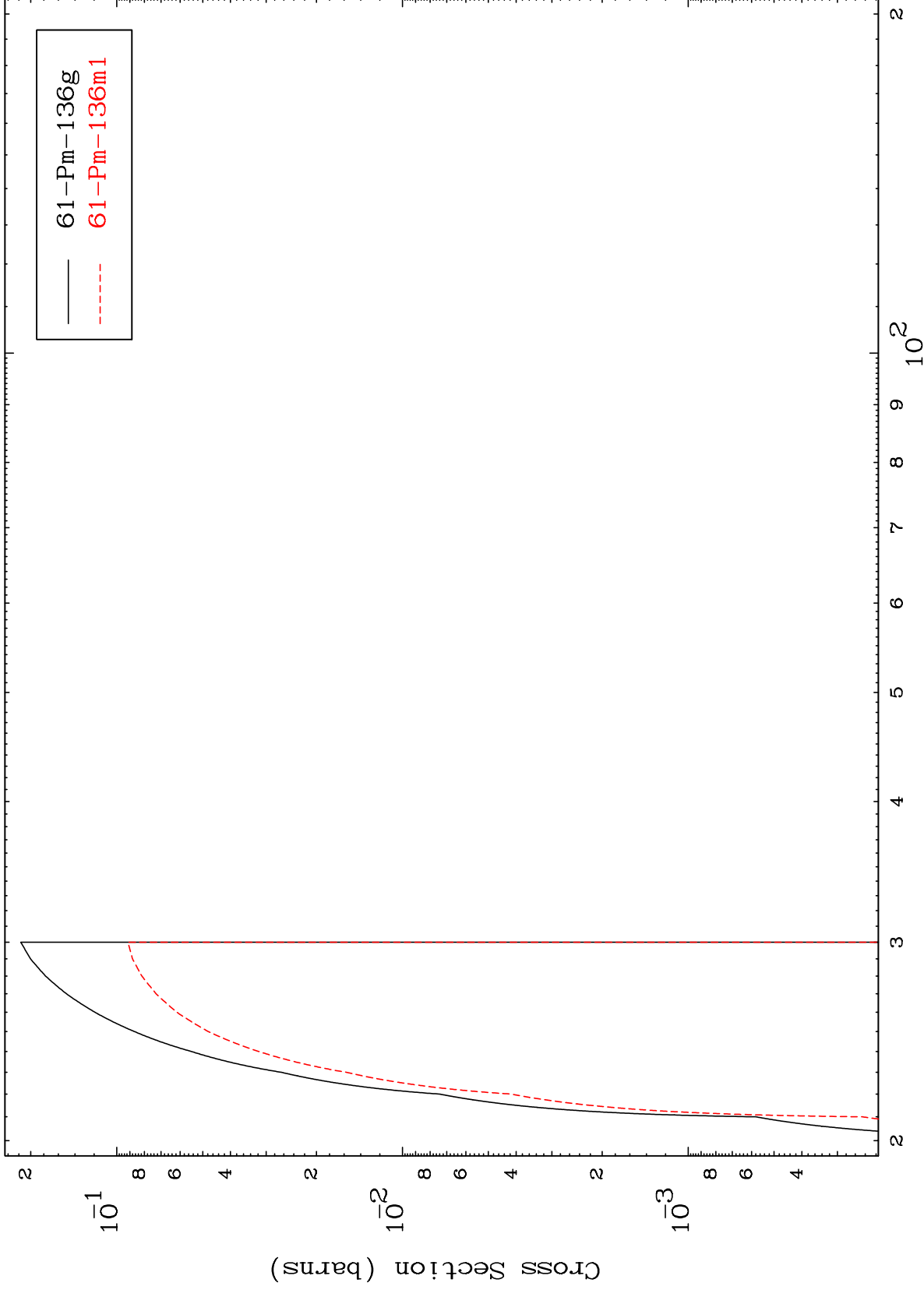


MAT 6122

(n,3n)

61-Pm-138

Radionuclide Production Cross Section



130

Incident Energy (MeV)

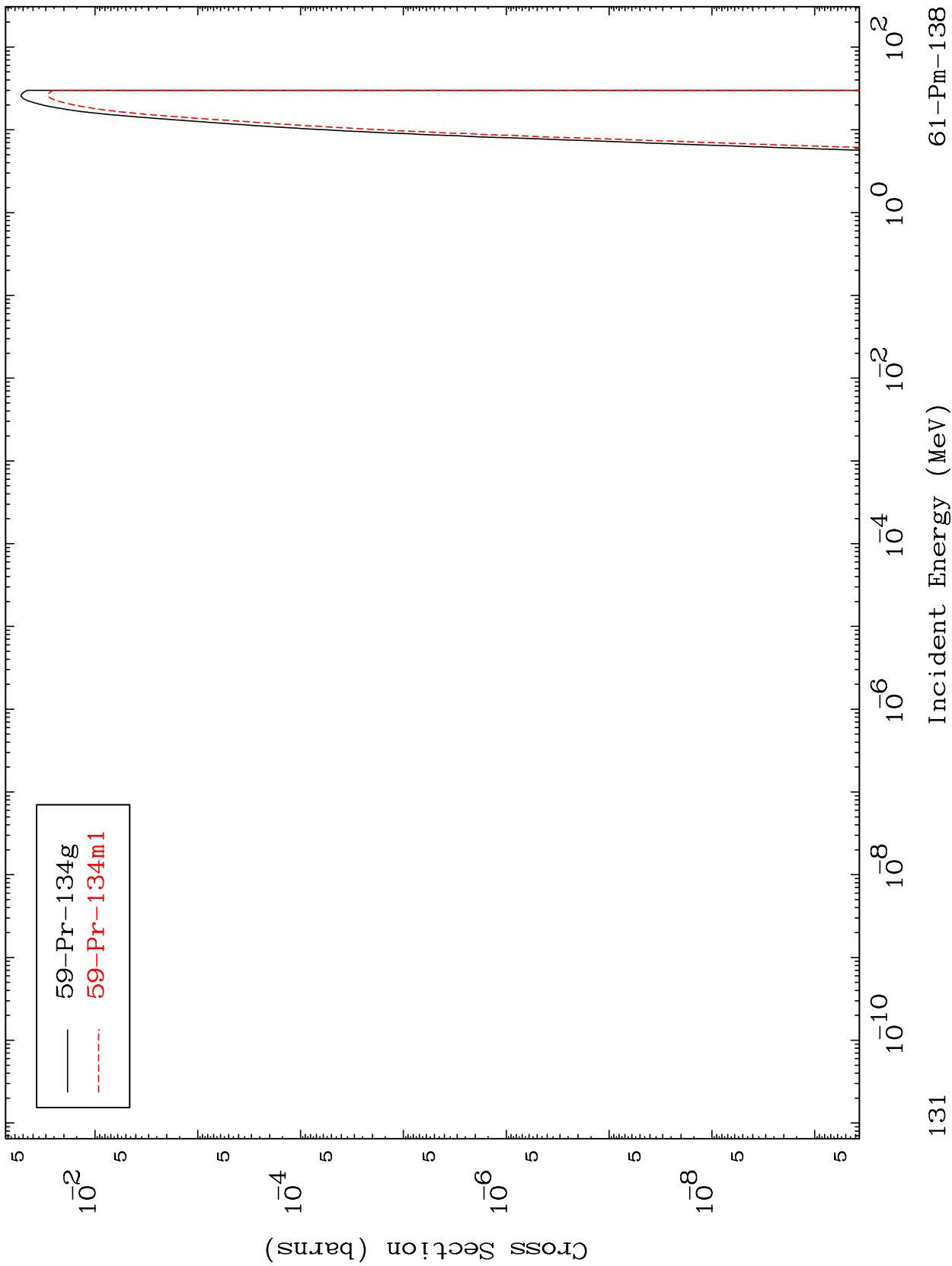
61-Pm-138

MAT 6122

$(n, n') \alpha$

61-Pm-138

Radionuclide Production Cross Section



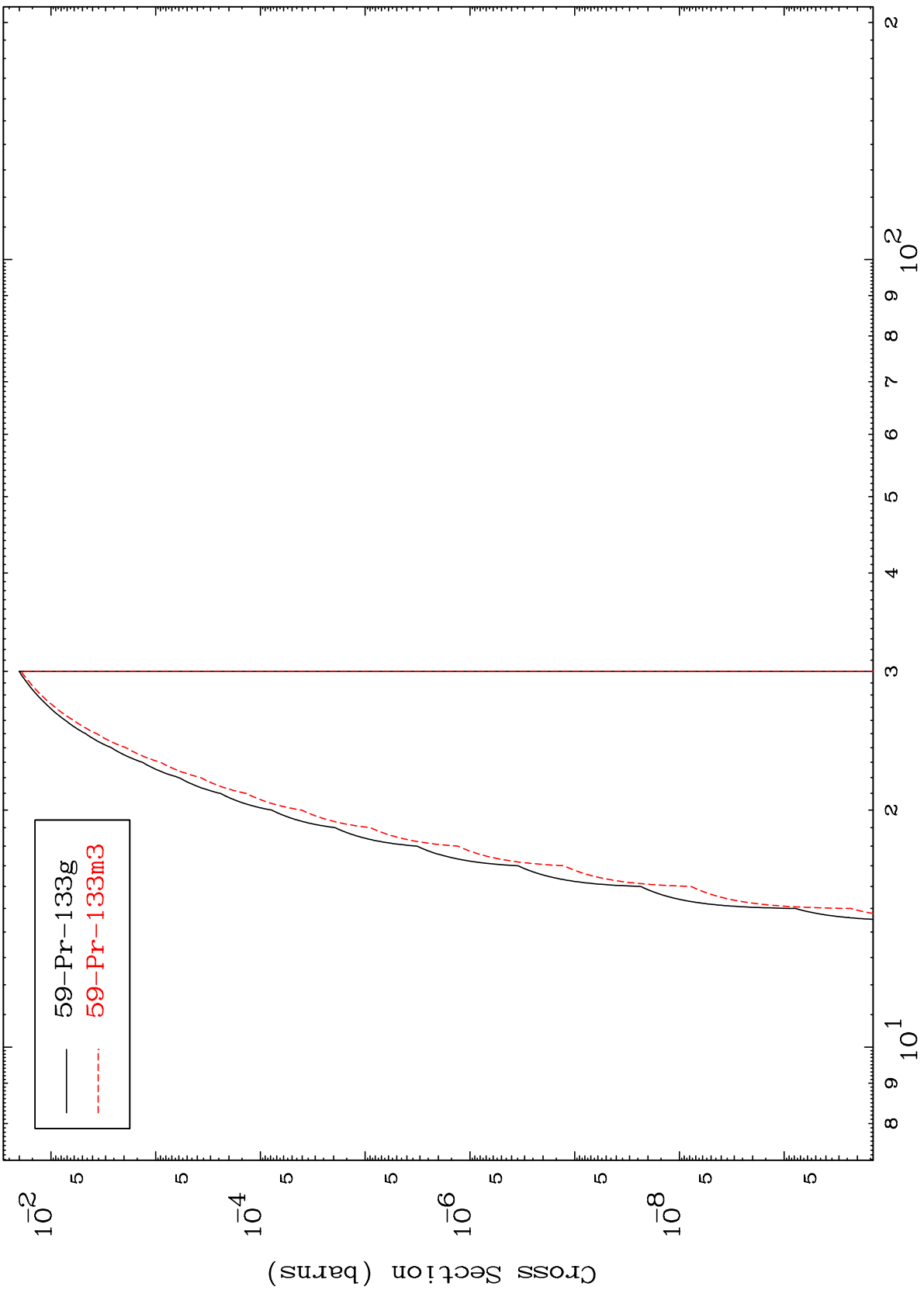
59-Pr-134g
59-Pr-134m1

MAT 6122

(n,2n) α

61-Pm-138

Radionuclide Production Cross Section



59-Pr-133g
59-Pr-133m3

132

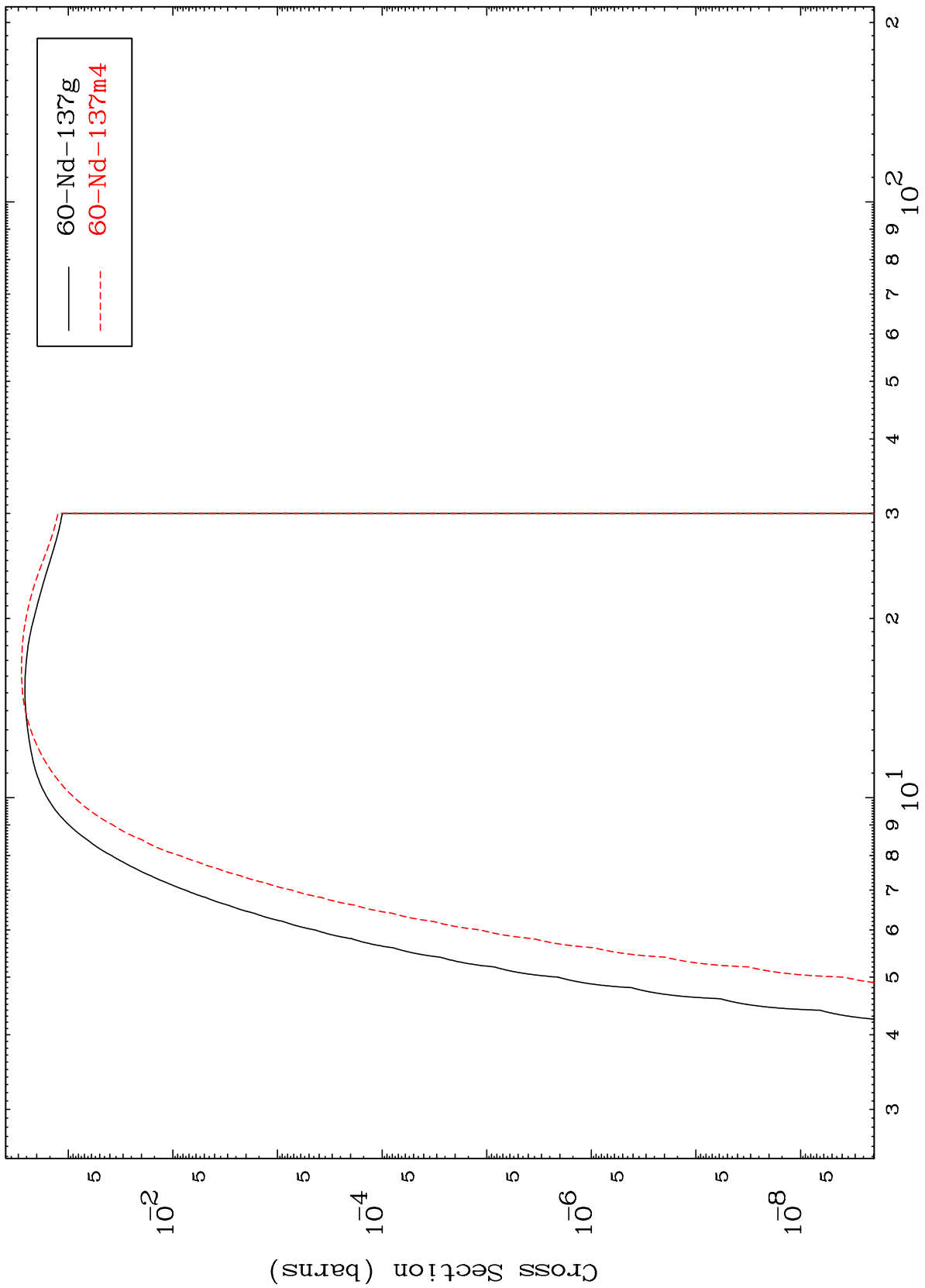
Incident Energy (MeV)

61-Pm-138

MAT 6122

61-Pm-138

$(n, n') p$
Radionuclide Production Cross Section



133

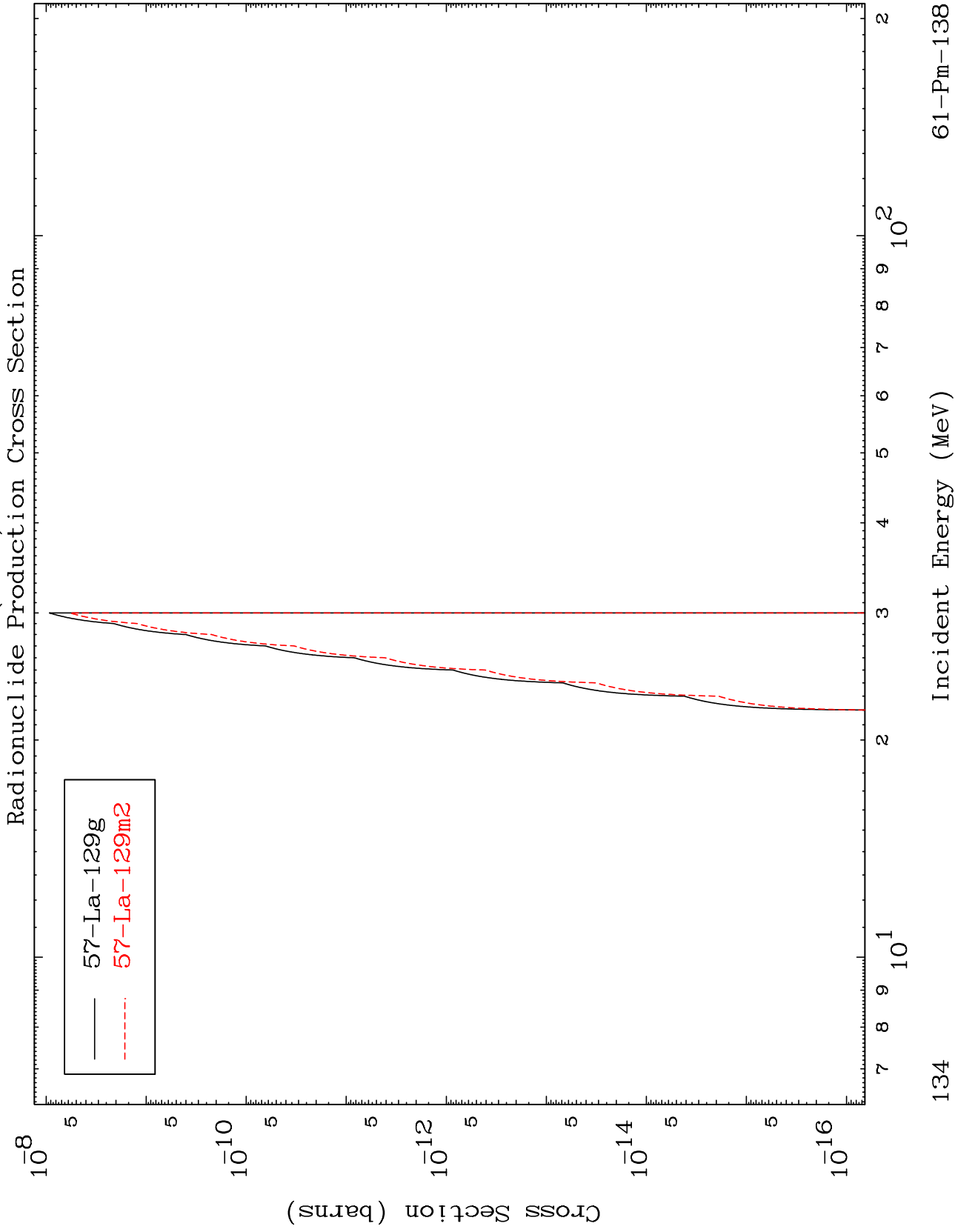
Incident Energy (MeV)

61-Pm-138

MAT 6122

$(n,2n) 2\alpha$

61-Pm-138

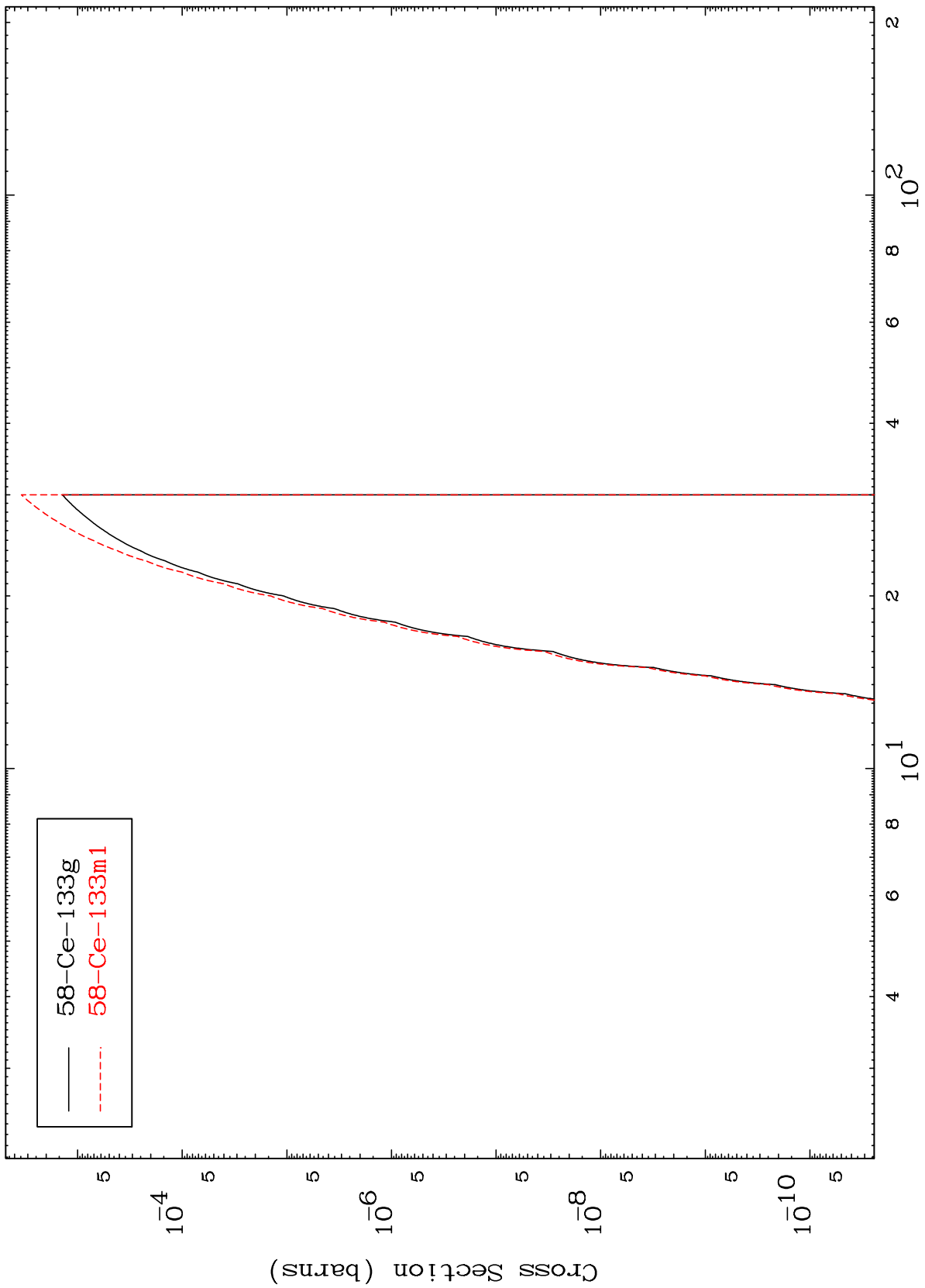


MAT 6122

(n,n') p α

61-Pm-138

Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

135

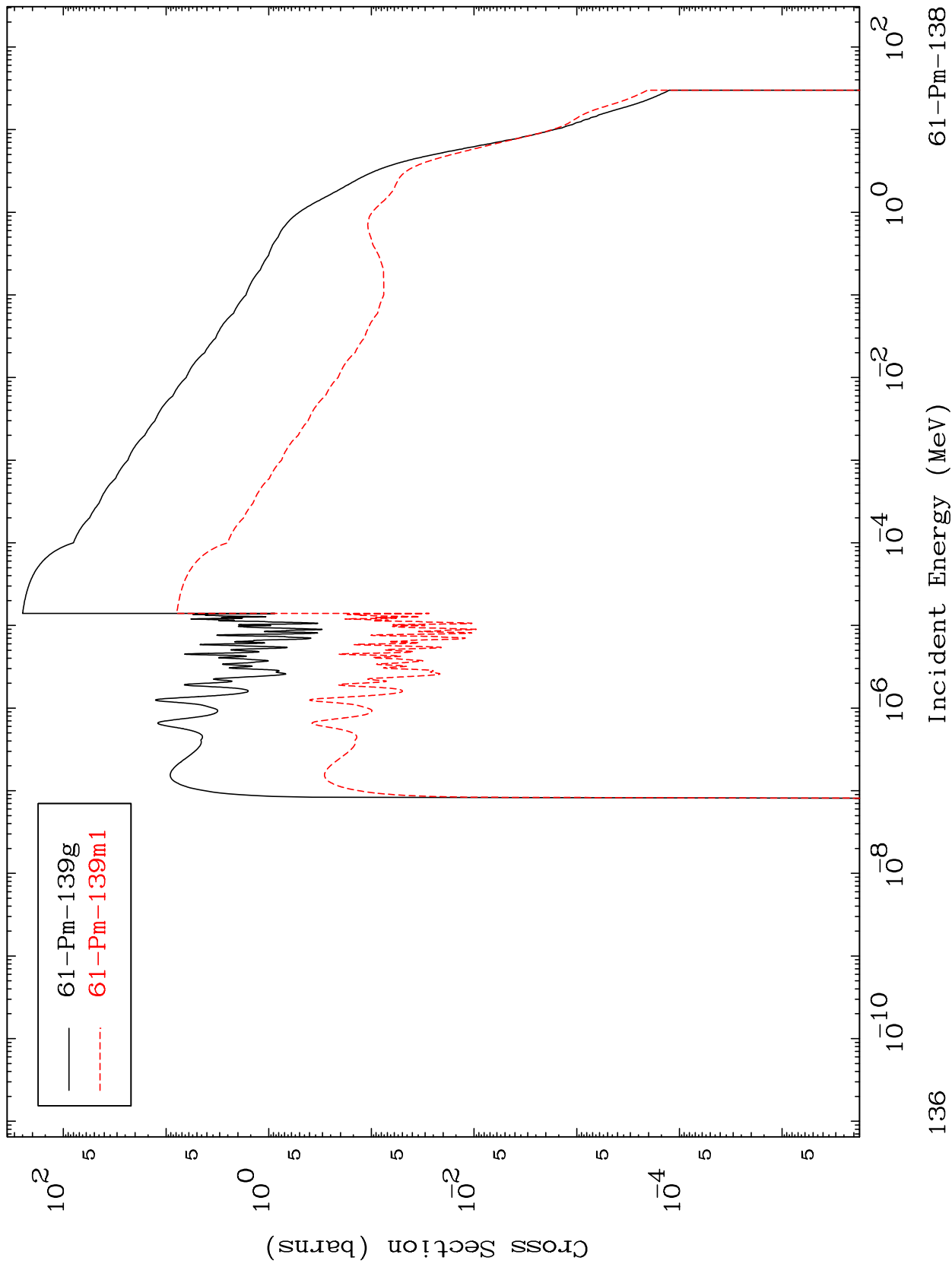
Incident Energy (MeV)

61-Pm-138

MAT 6122

61-Pm-138

Radionuclide Production Cross Section



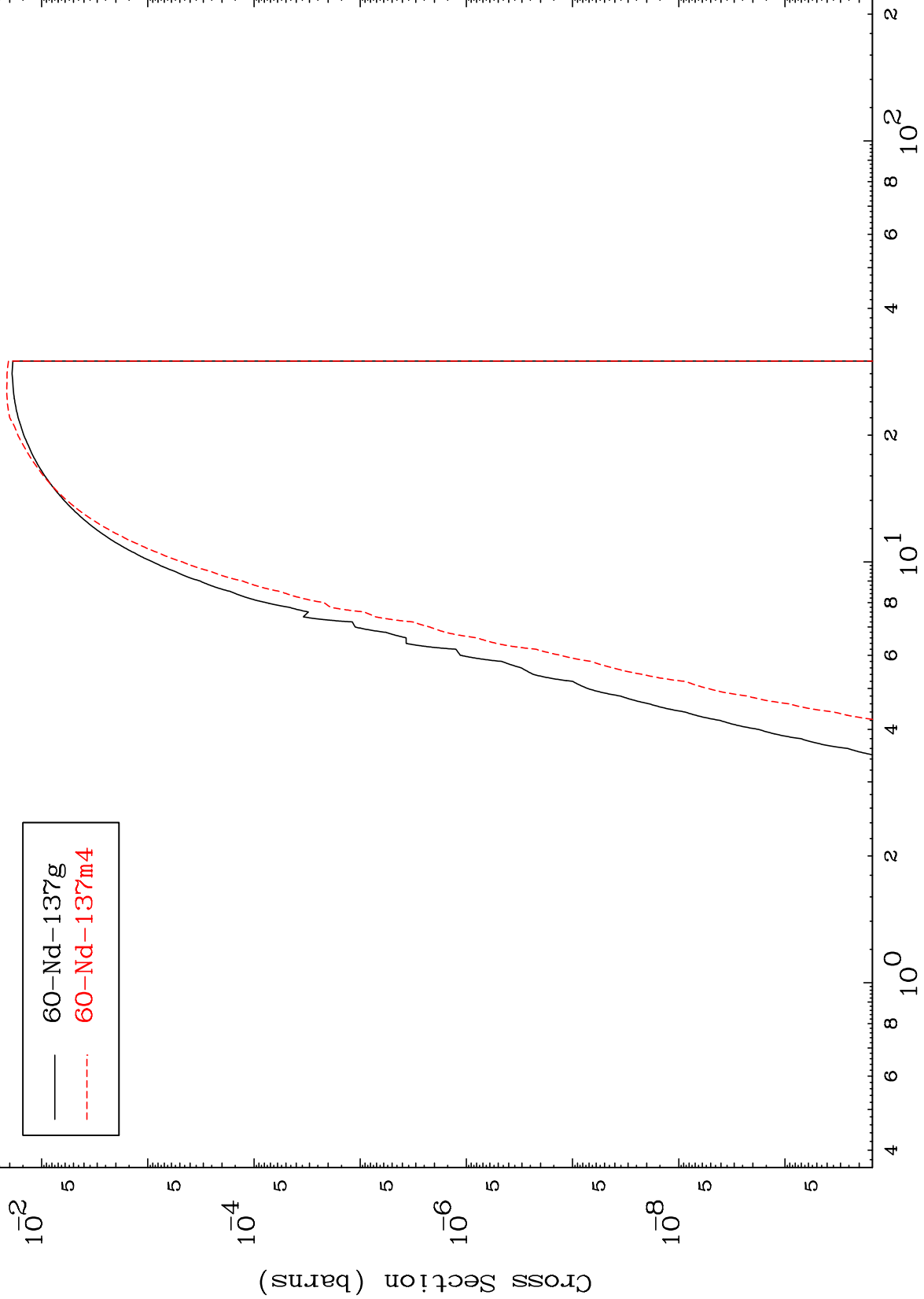
136

MAT 6122

(n,d)

61-Pm-138

Radionuclide Production Cross Section



137

Incident Energy (MeV)

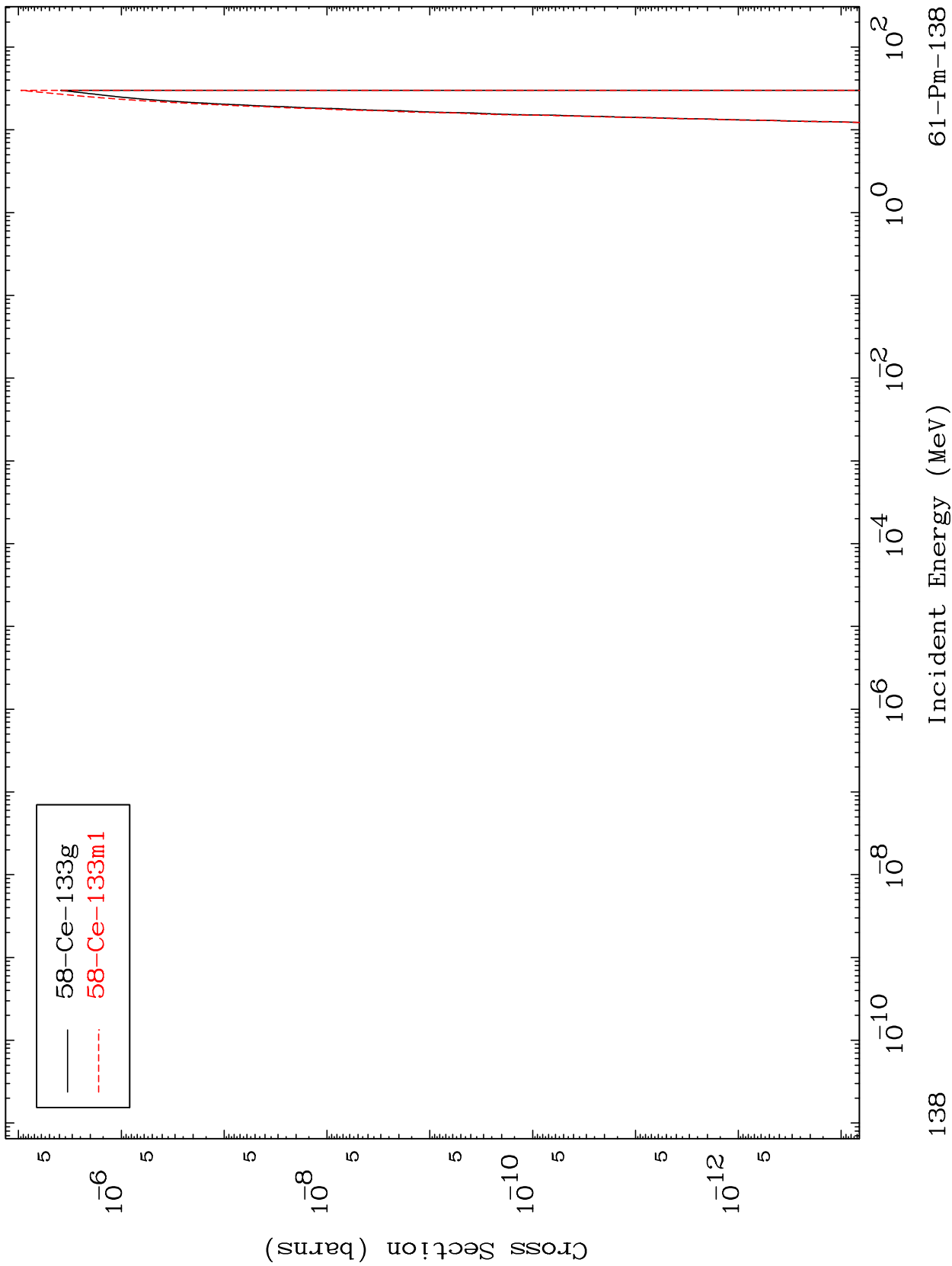
61-Pm-138

MAT 6122

(n,d) α

61-Pm-138

Radionuclide Production Cross Section



138

Incident Energy (MeV)

61-Pm-138