

Program EVALPLOT  
(Version 2018-1)

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  
Web:redcullen1.net/HOMEPAGE.NEW

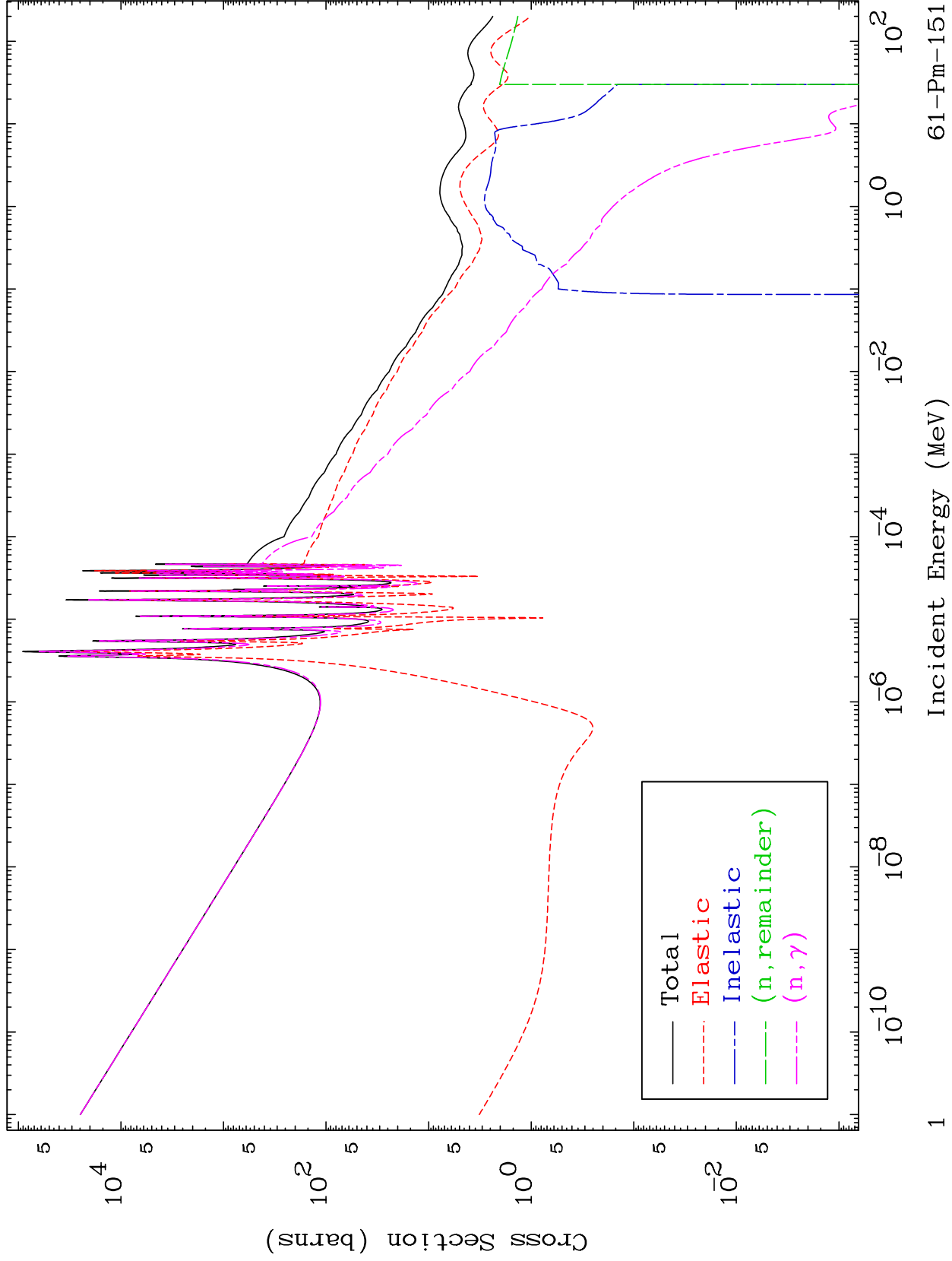
Press Mouse Button to Start

MAT 6161

Major

293 Kelvin Cross Sections

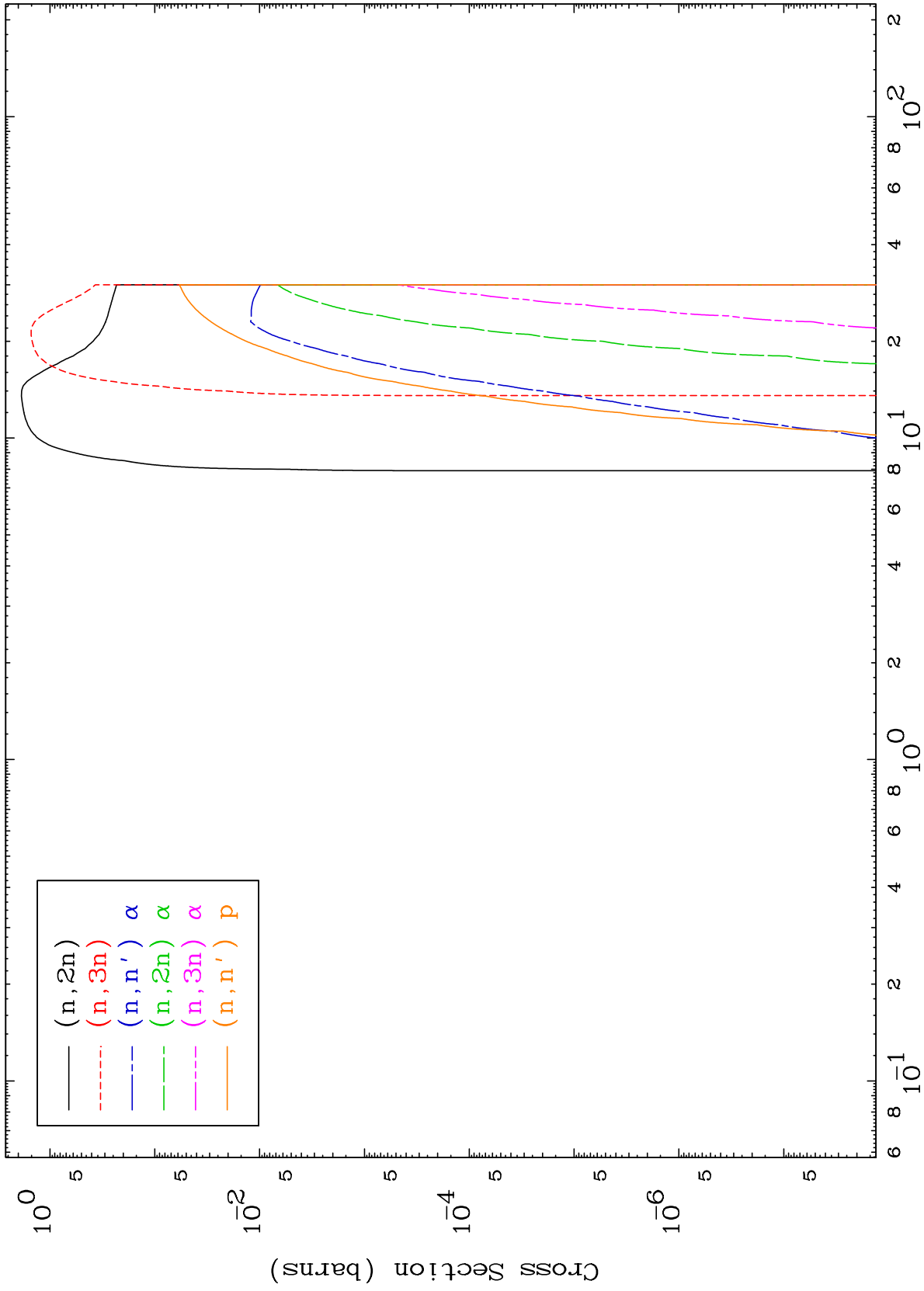
61-Pm-151



MAT 6161

Neutron Production  
293 Kelvin Cross Sections

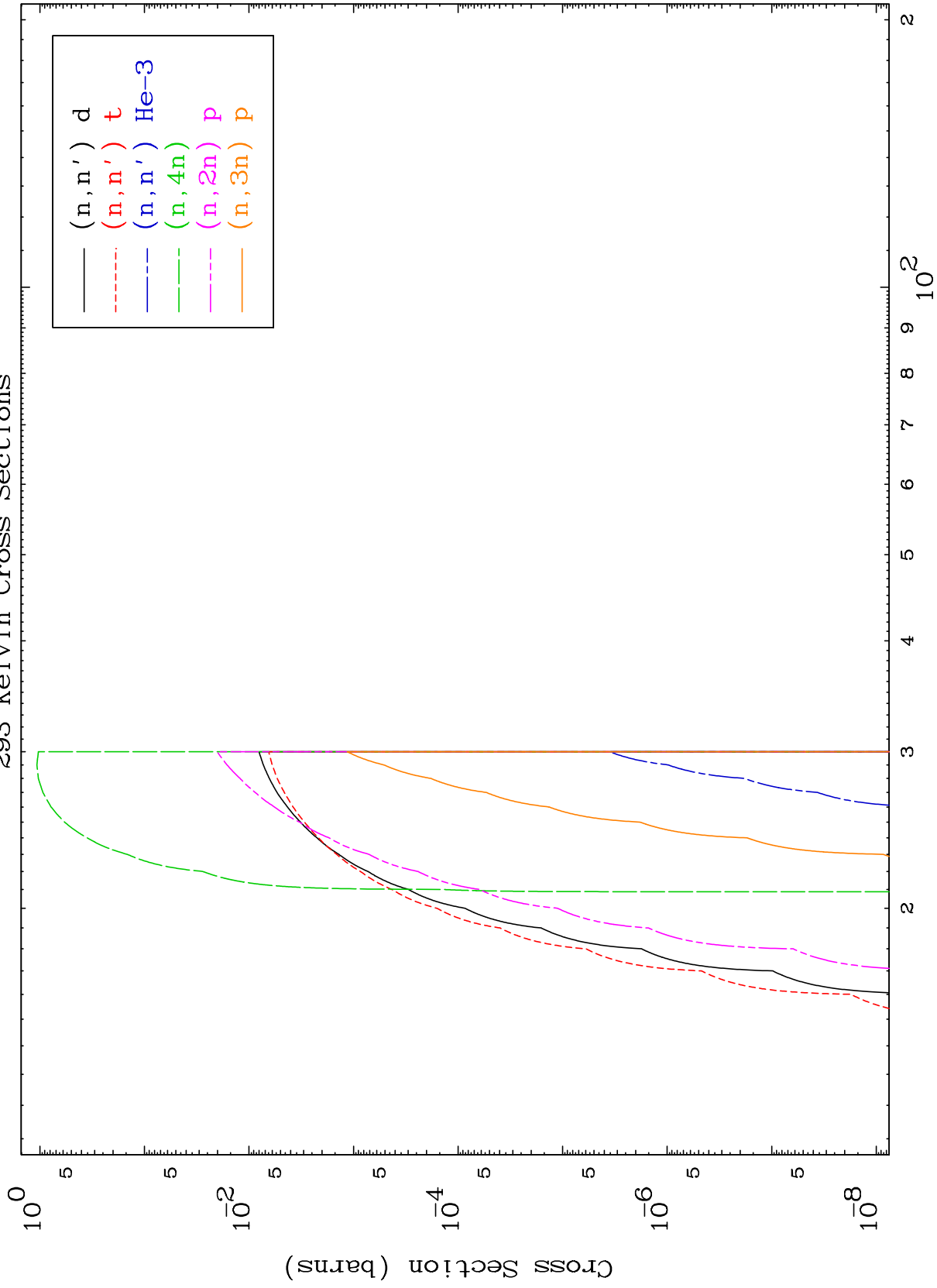
61-Pm-151



2

Incident Energy (MeV)

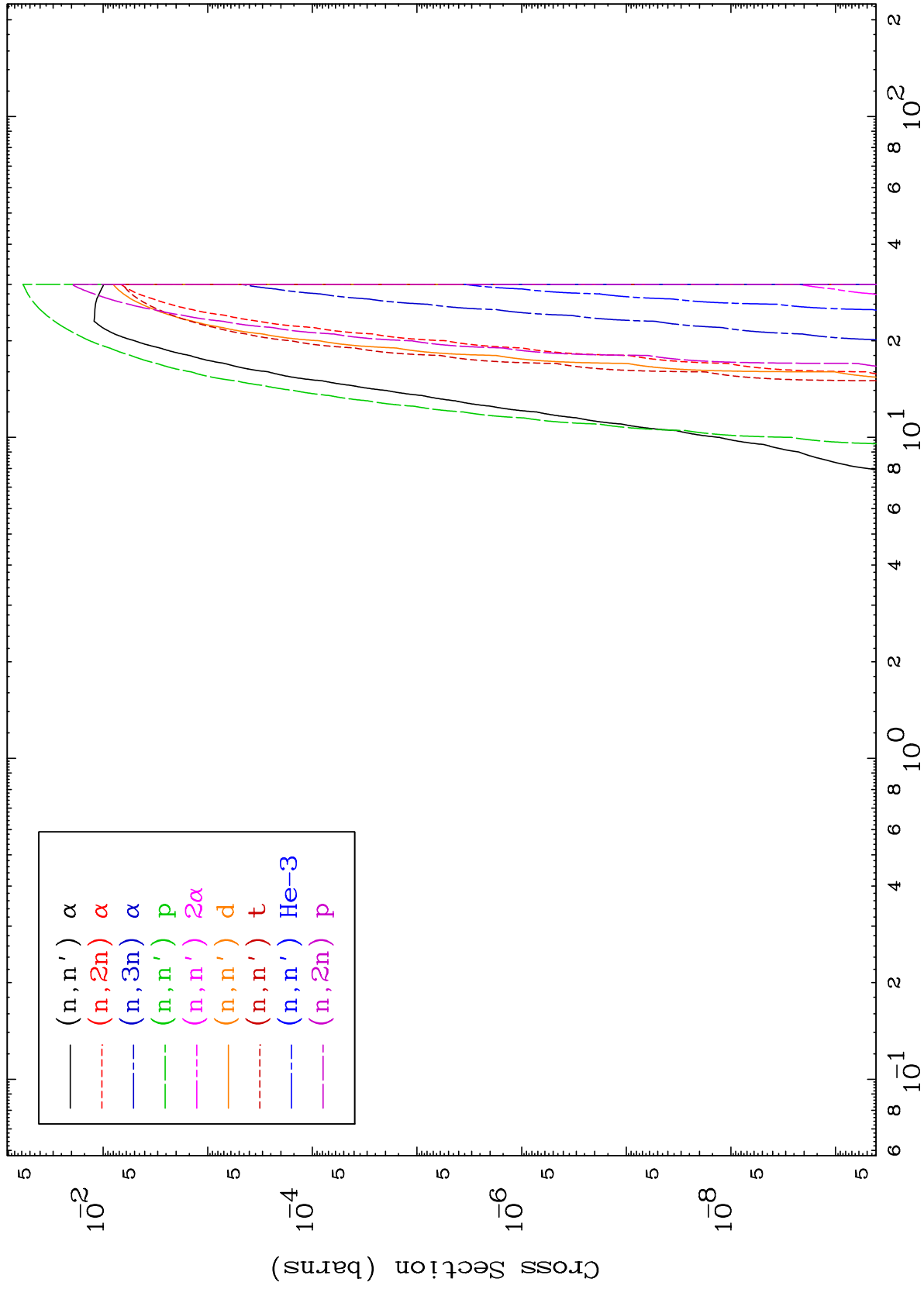
61-Pm-151



MAT 6161

293 Kelvin Cross Sections

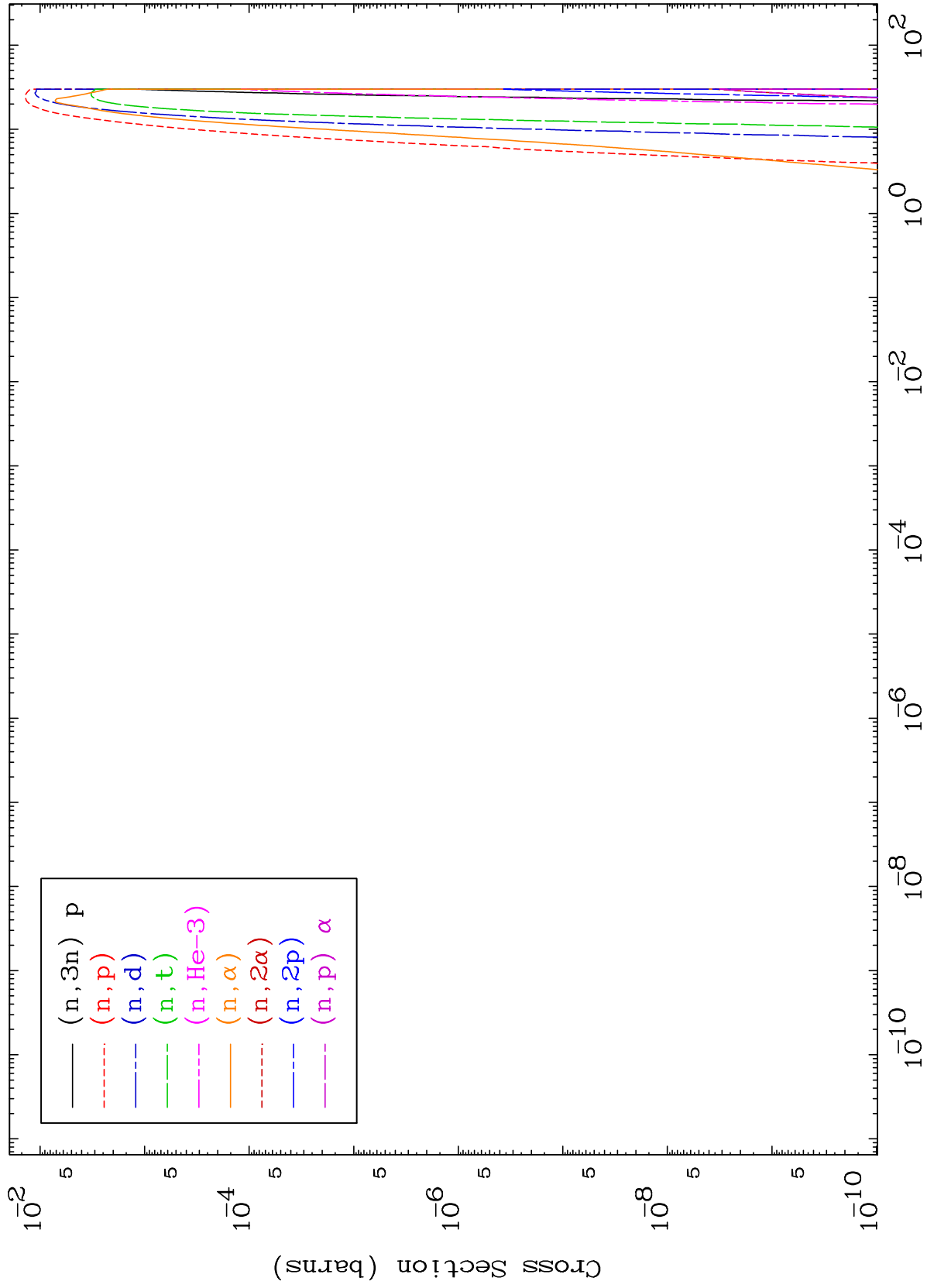
61-Pm-151



MAT 6161

Charged Particle  
293 Kelvin Cross Sections

61-Pm-151



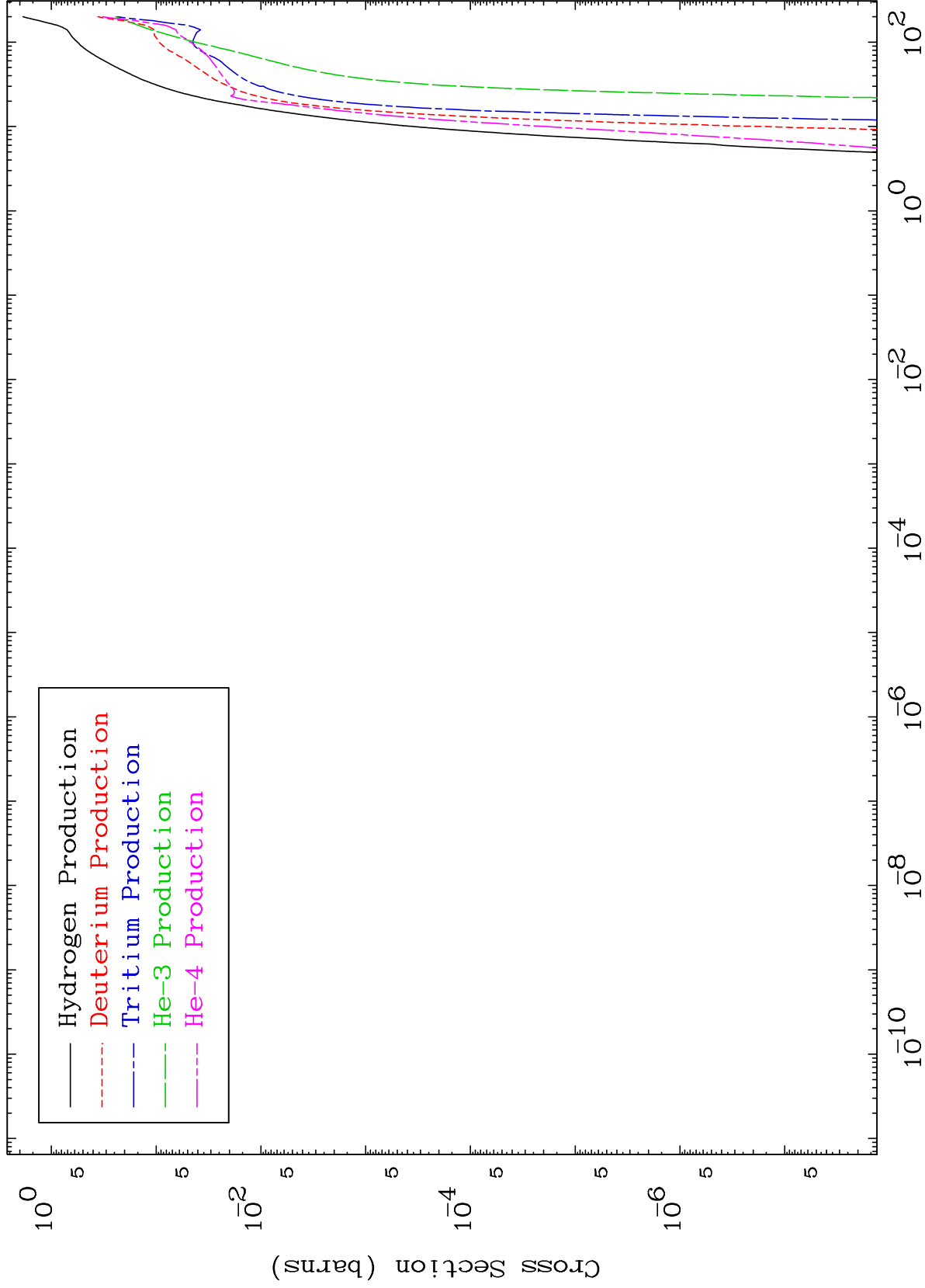
5

61-Pm-151

MAT 6161

Particle Production  
293 Kelvin Cross Sections

61-Pm-151



6

Incident Energy (MeV)

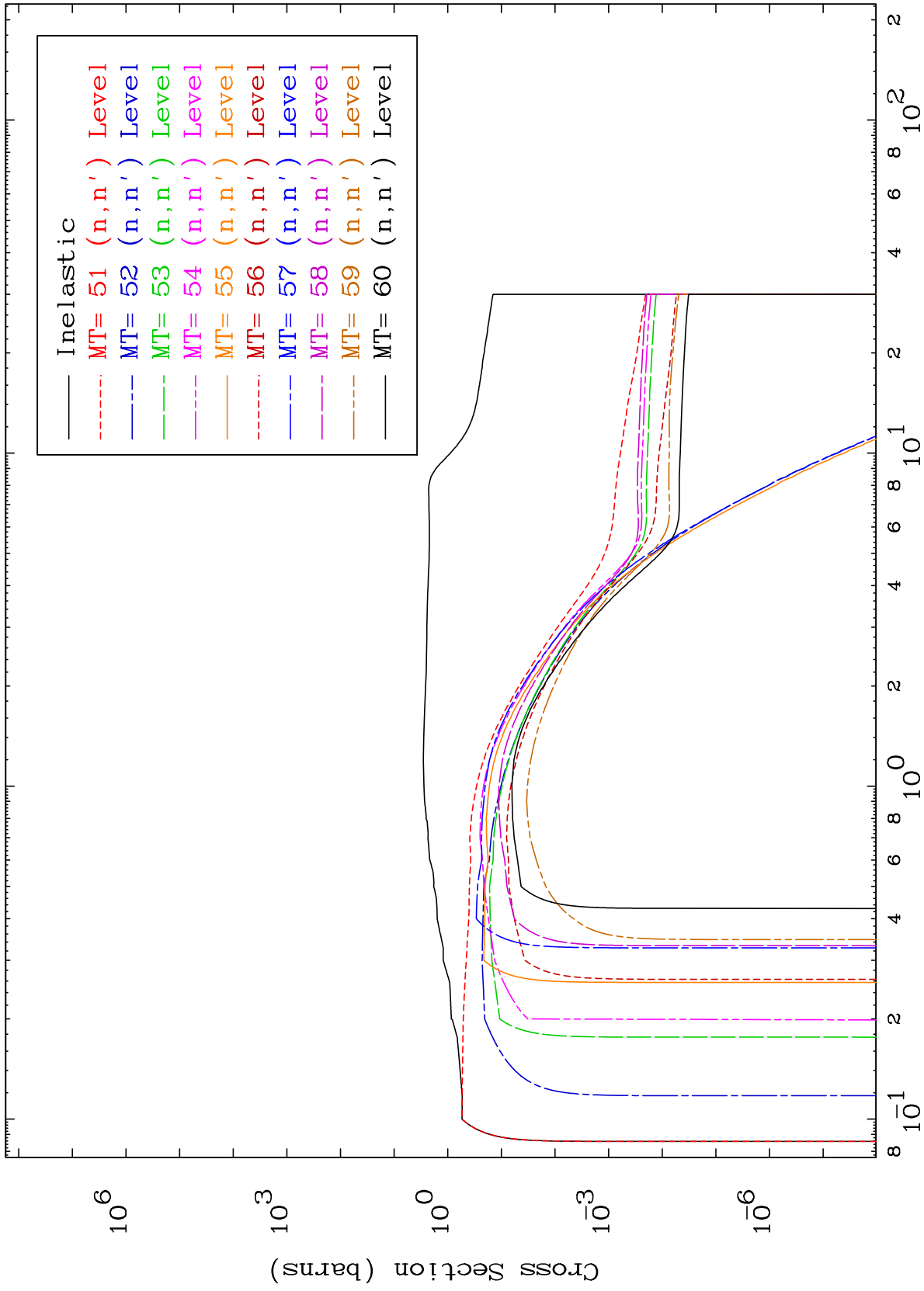
61-Pm-151

MAT 6161

(n,n') Level

61-Pm-151

293 Kelvin Cross Sections



7

Incident Energy (MeV)

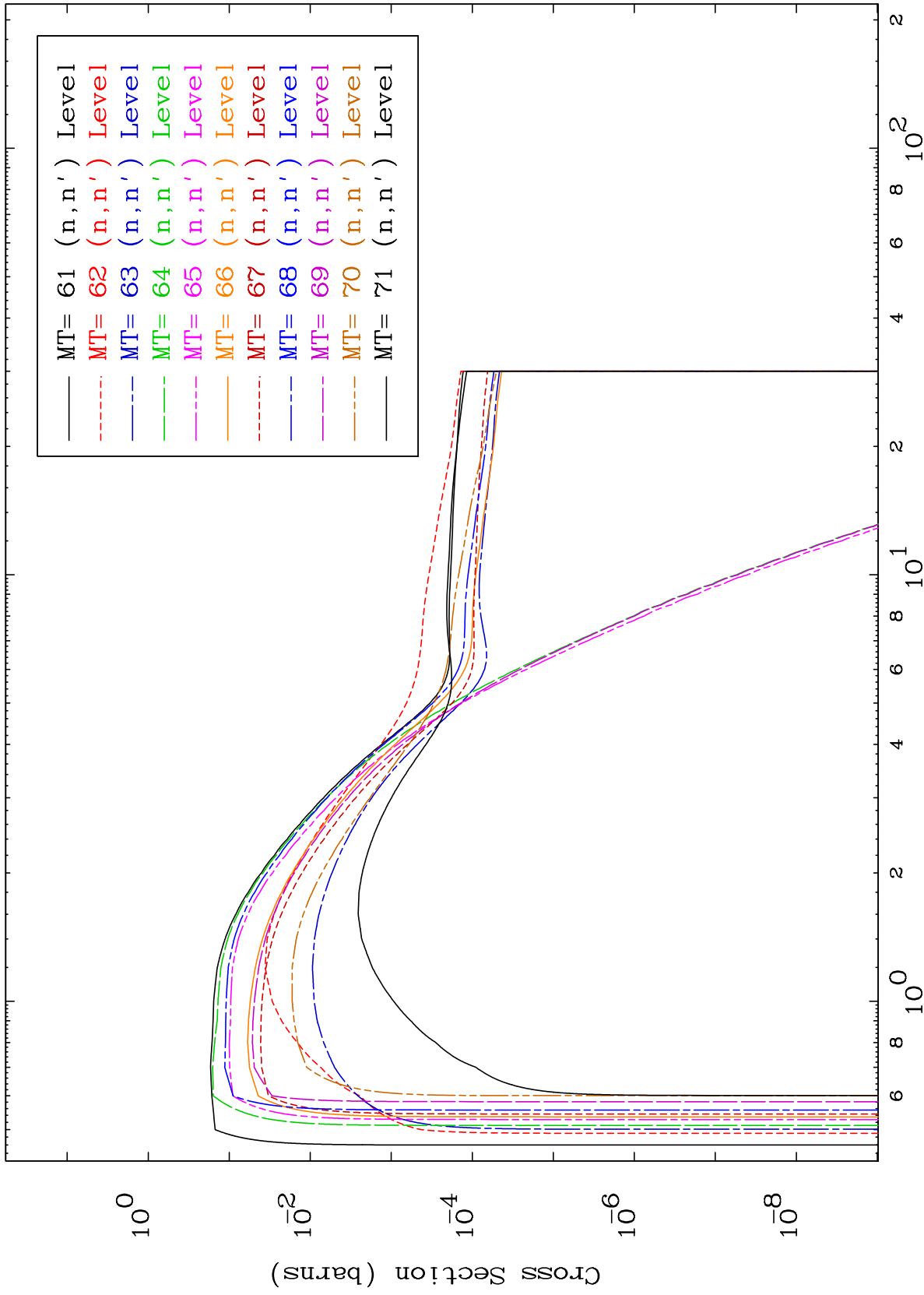
61-Pm-151



MAT 6161

(n,n') Level  
293 Kelvin Cross Sections

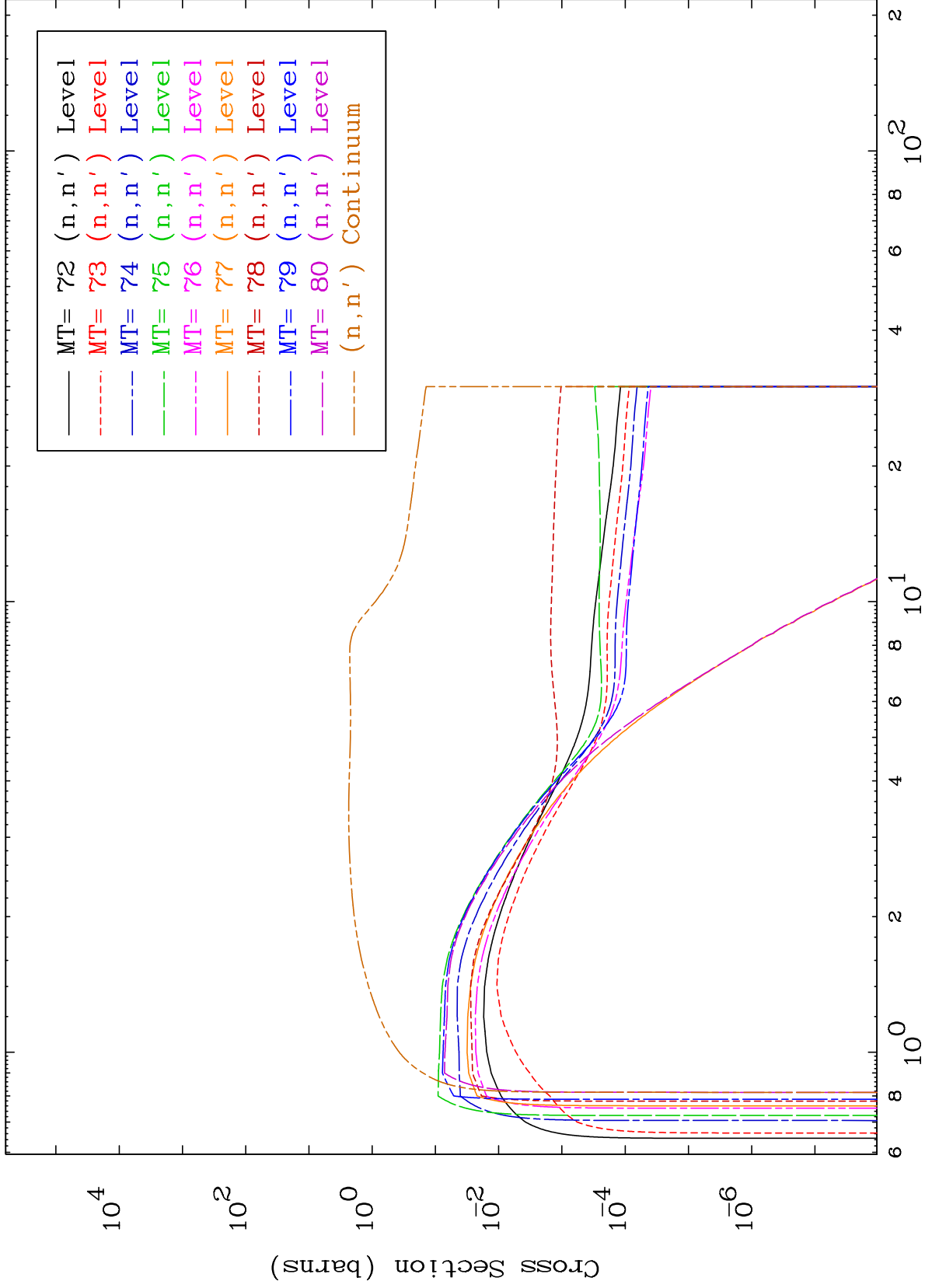
61-Pm-151



8

Incident Energy (MeV)

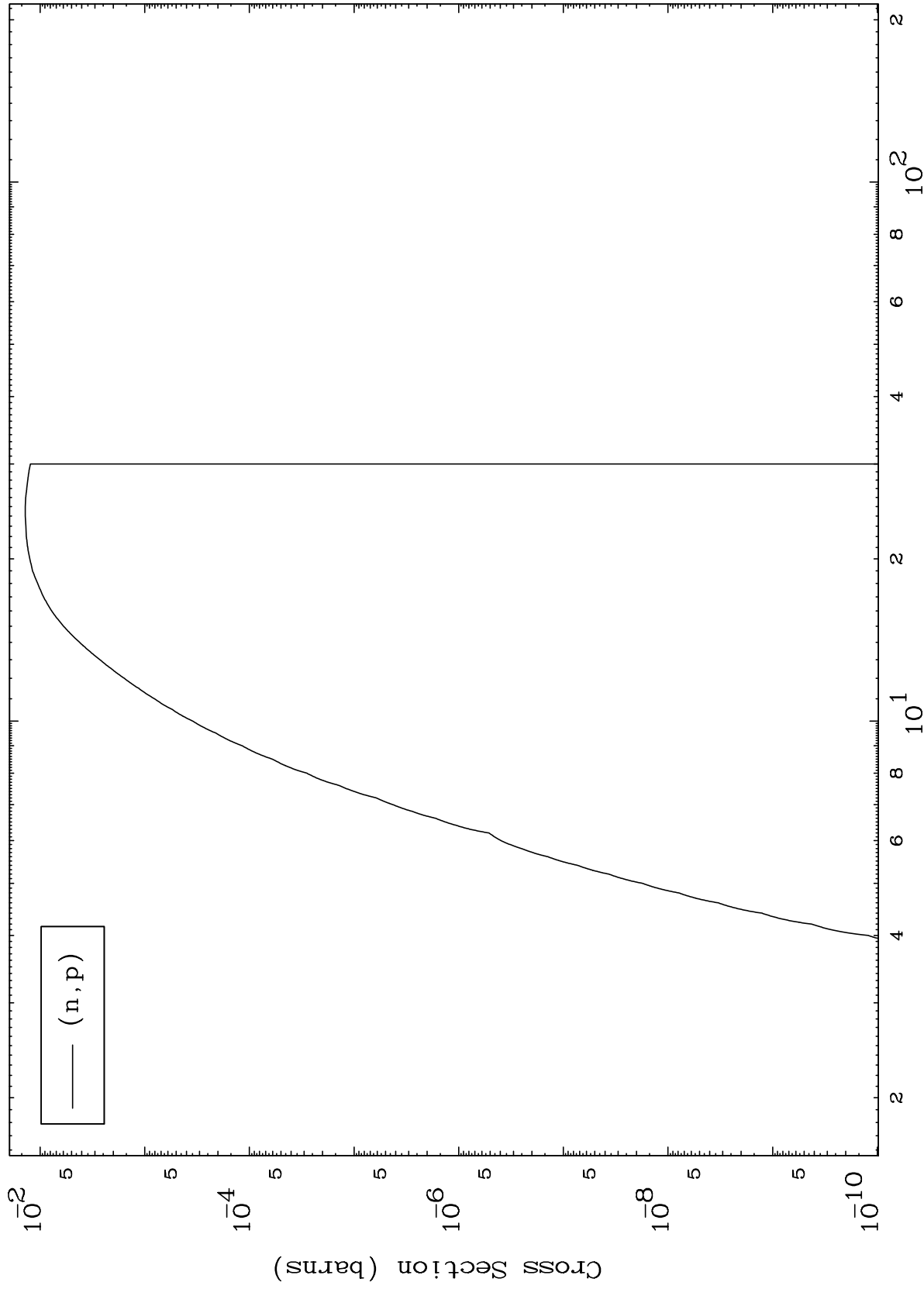
61-Pm-151



MAT 6161

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-151



10

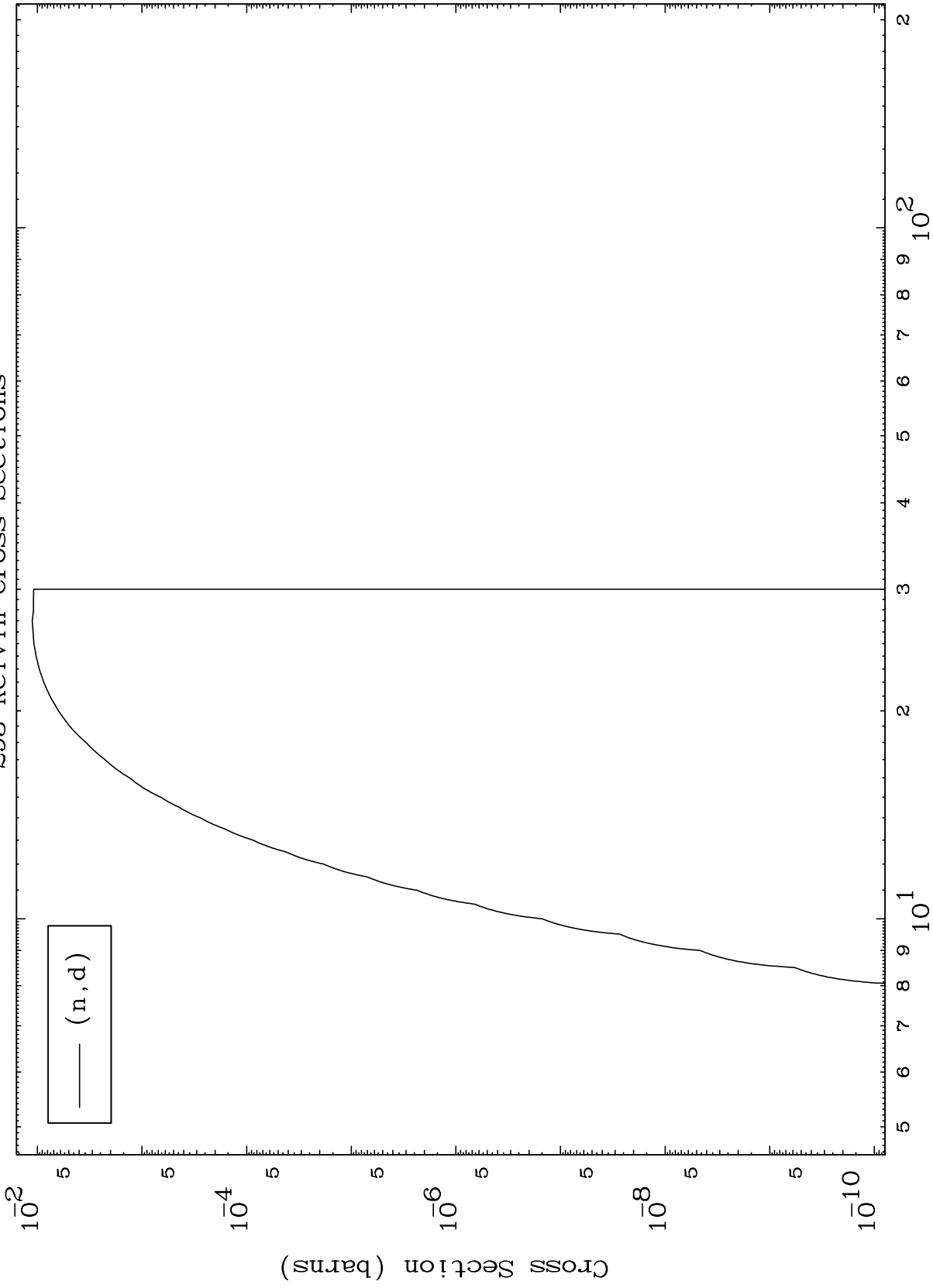
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-151



11

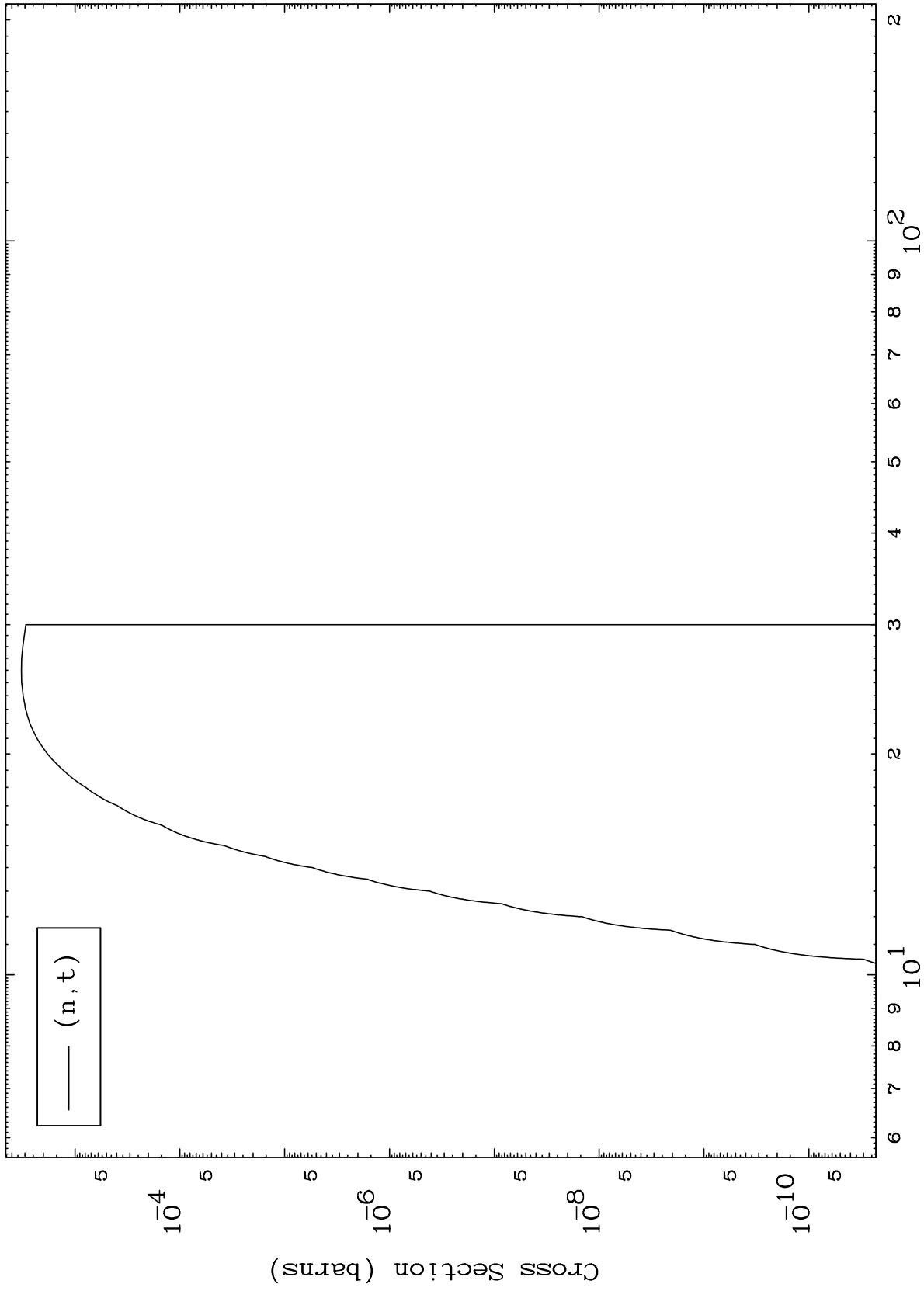
Incident Energy (MeV)

61-Pm-151

MAT 6161

61-Pm-151

(n,t) Levels  
293 Kelvin Cross Sections



12

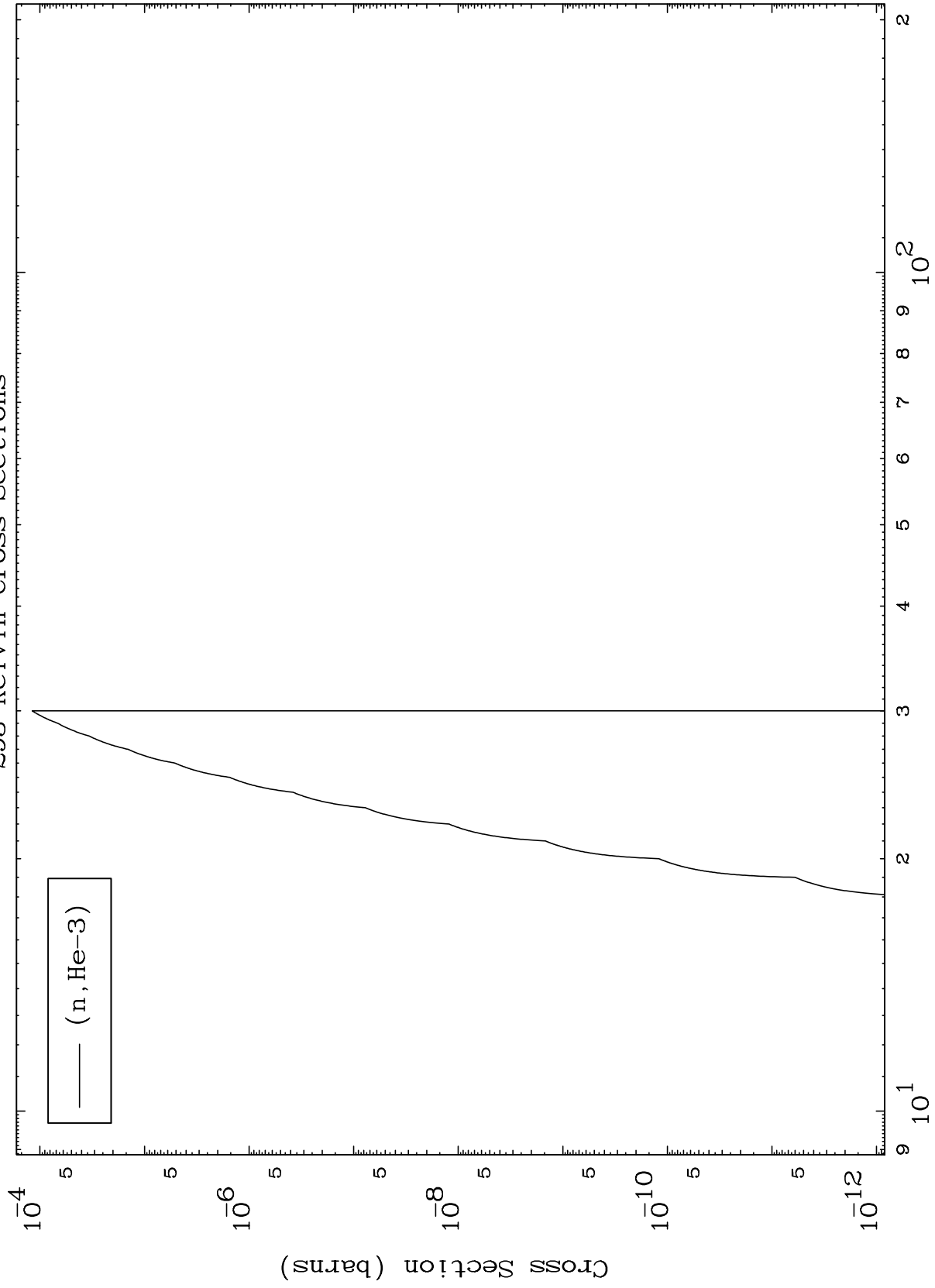
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-151



13

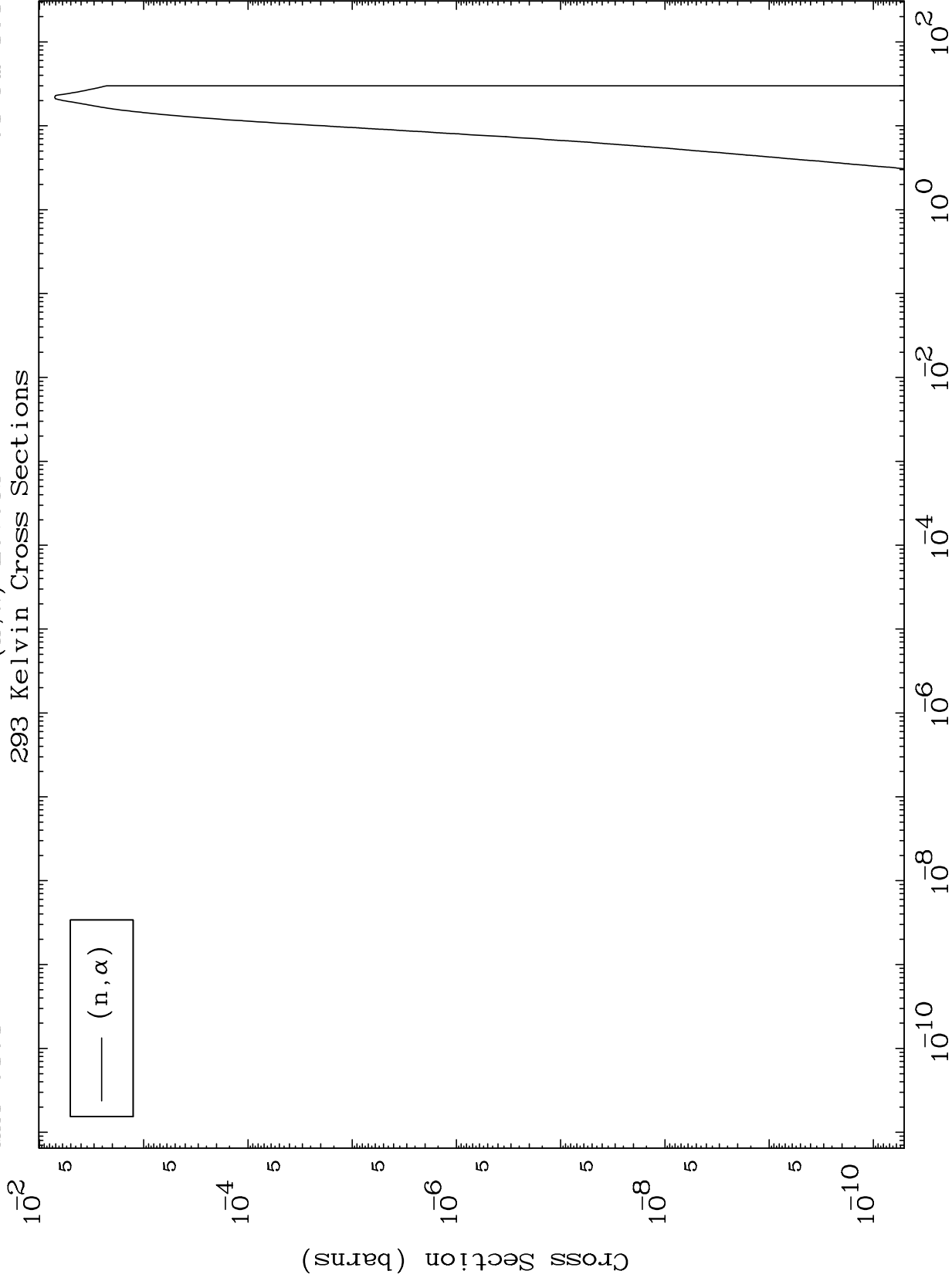
Incident Energy (MeV)

61-Pm-151

MAT 6161

(n,α) Levels  
293 Kelvin Cross Sections

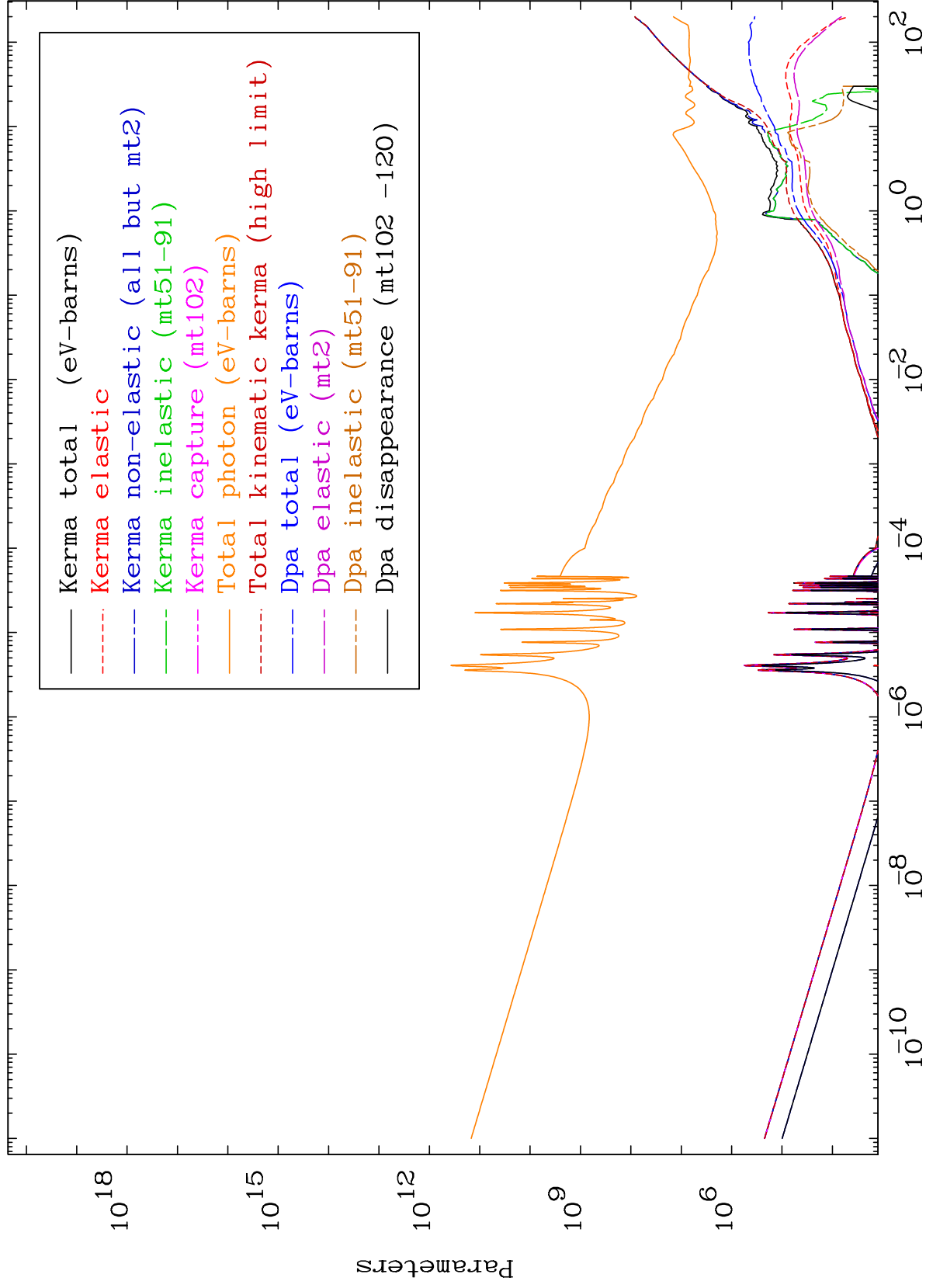
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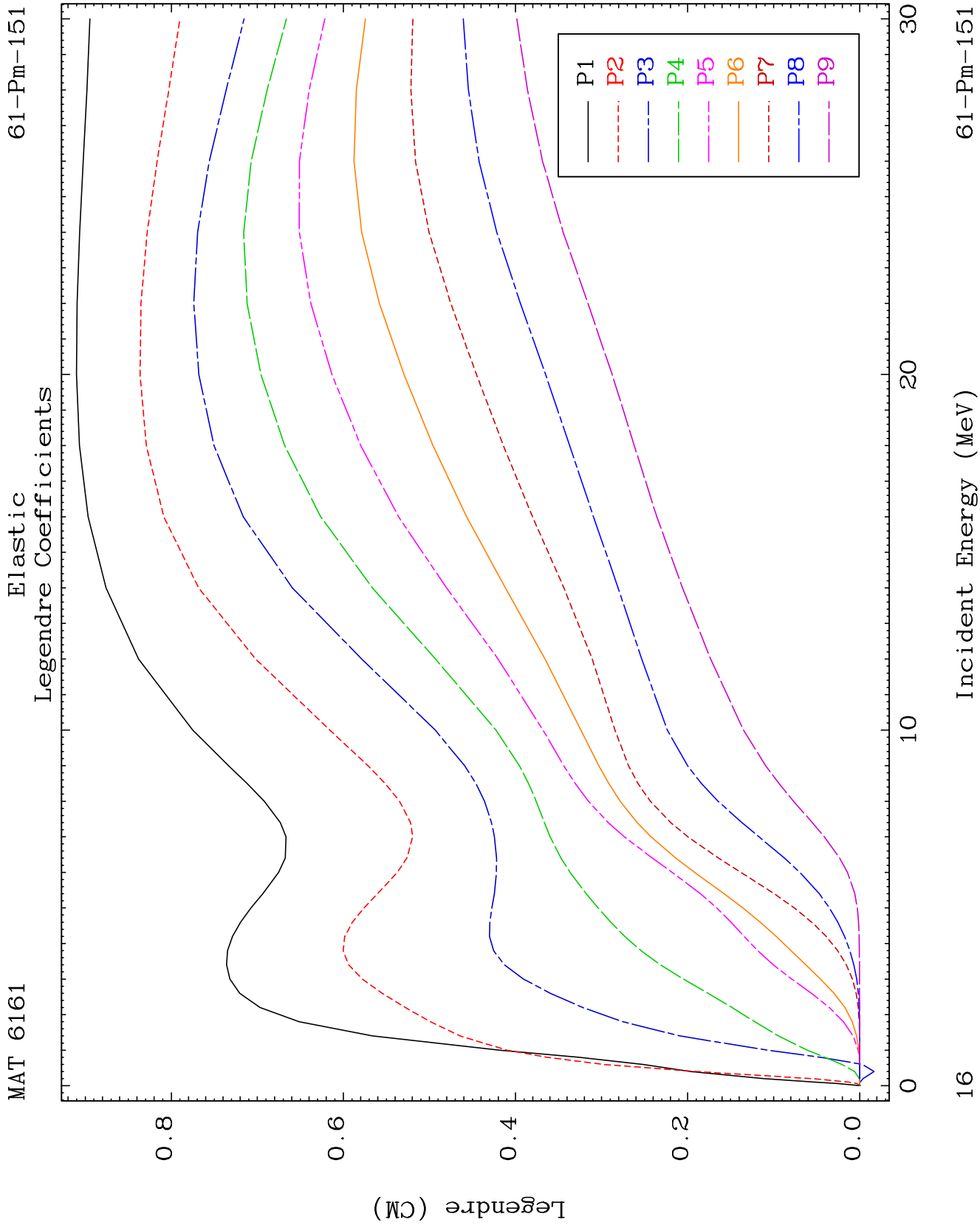
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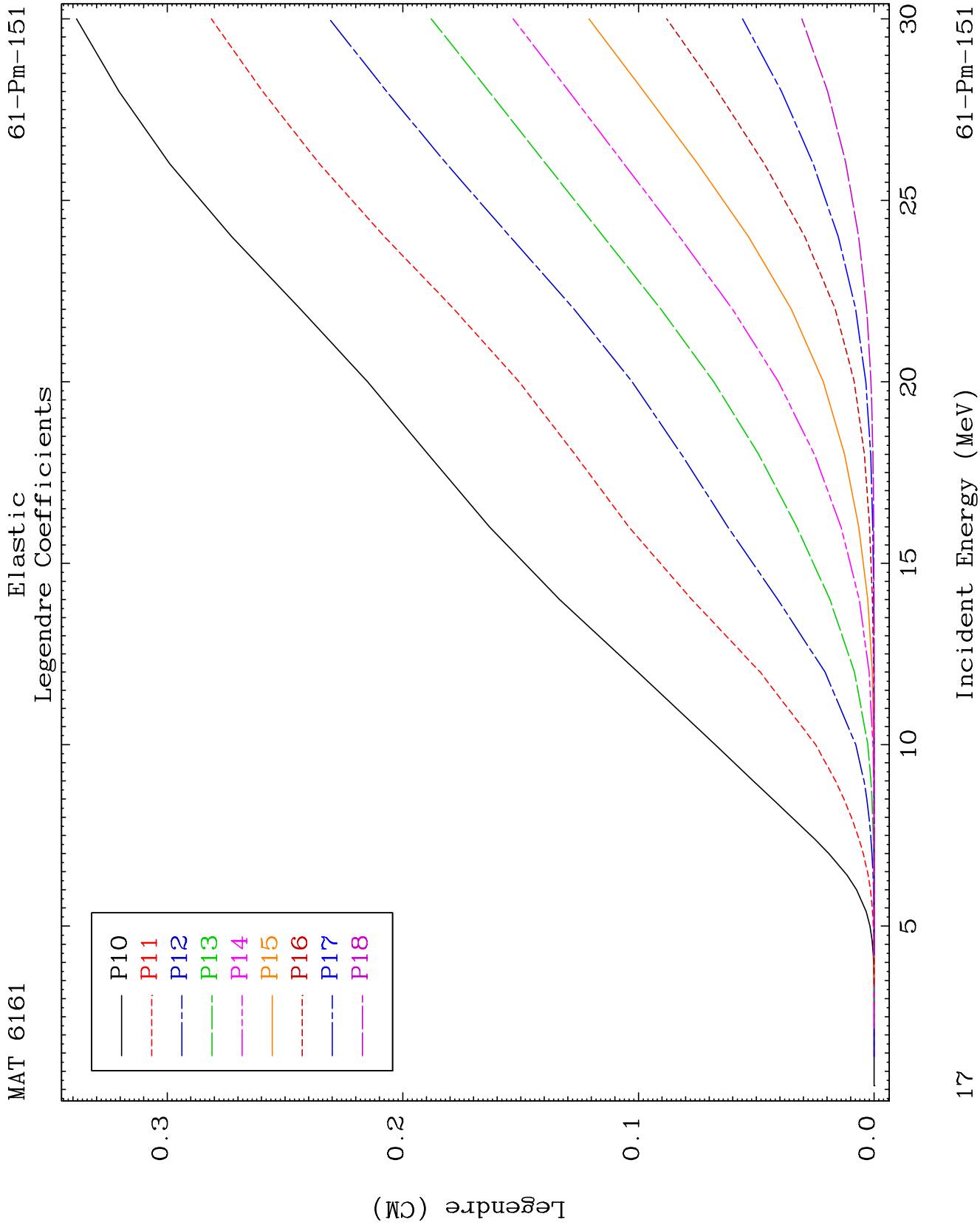
Incident Energy (MeV)

61-Pm-151





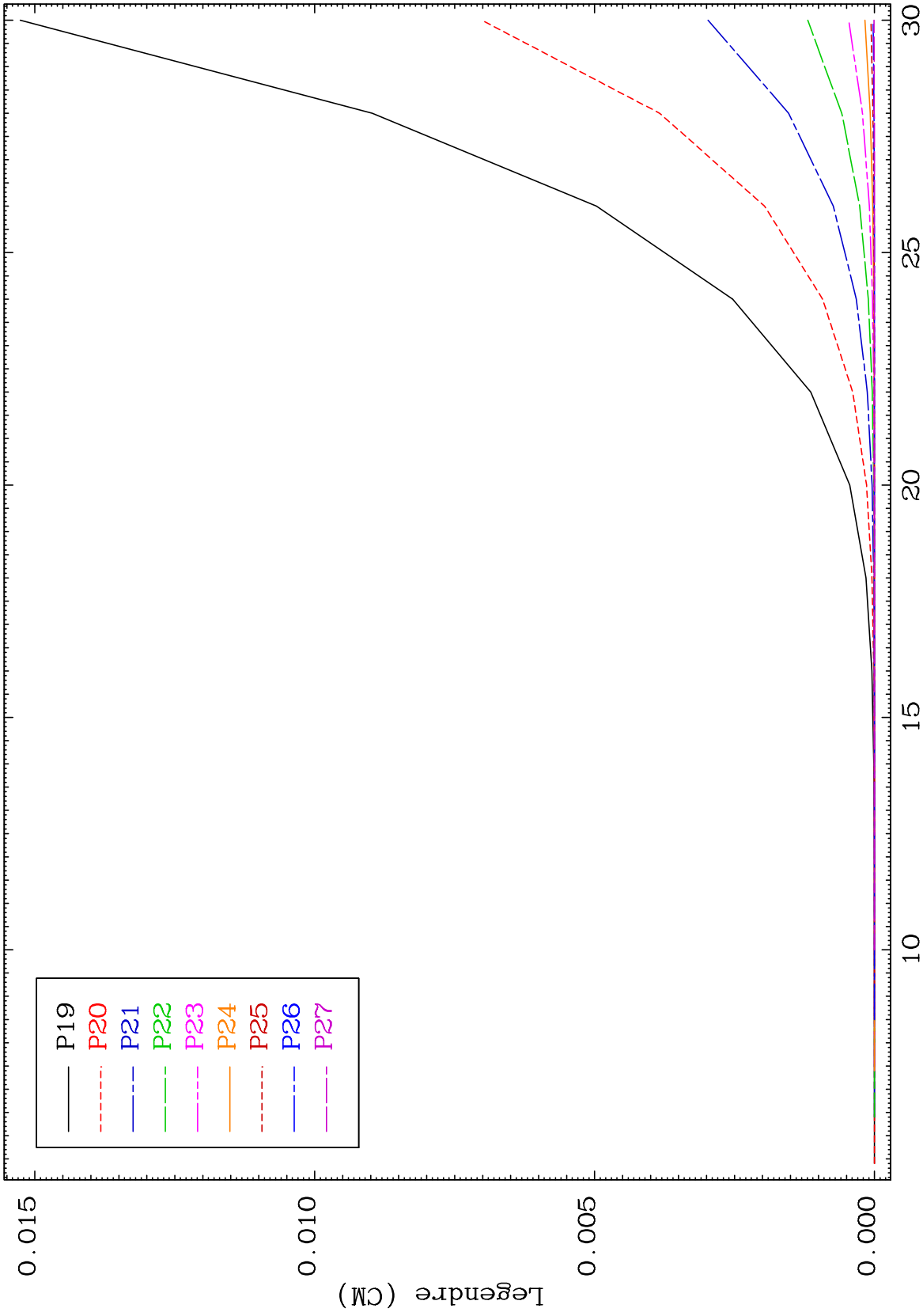




MAT 6161

Elastic Legendre Coefficients

61-Pm-151



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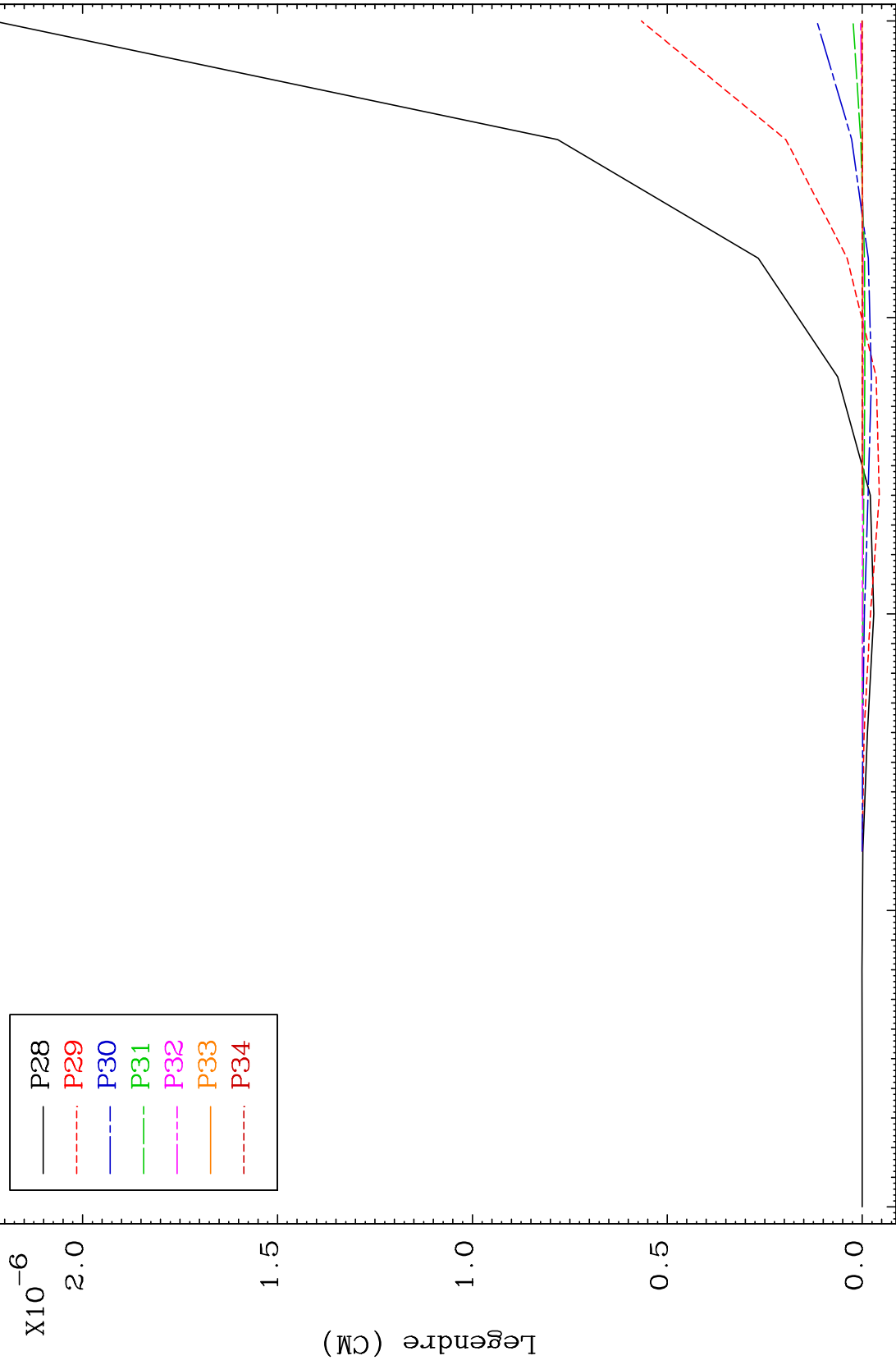
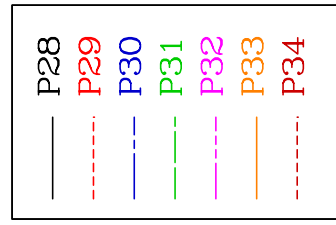
Incident Energy (MeV)

61-Pm-151

MAT 6161

Elastic Legendre Coefficients

61-Pm-151

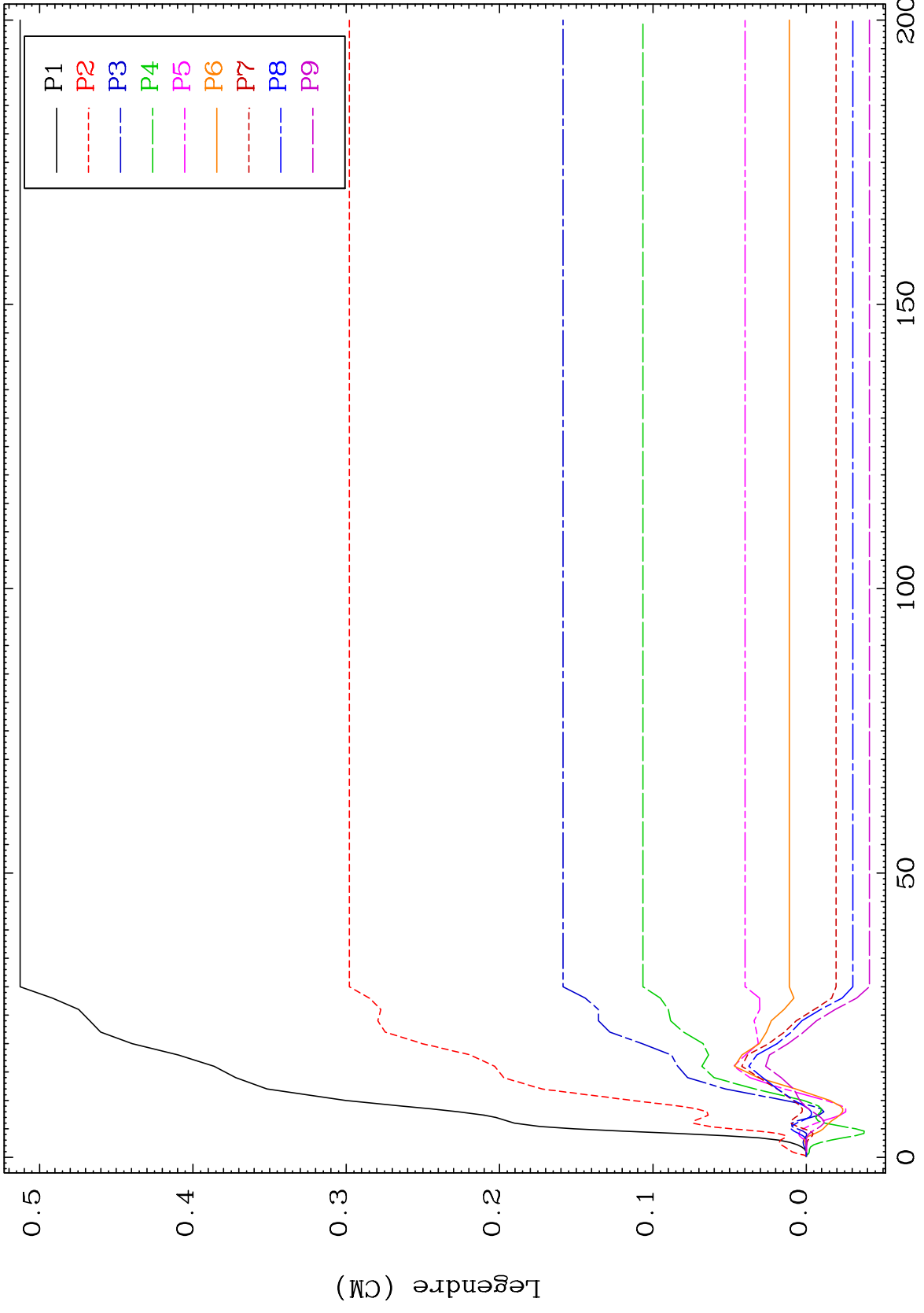


19

Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 51 (n,n') Level Legendre Coefficients 61-Pm-151

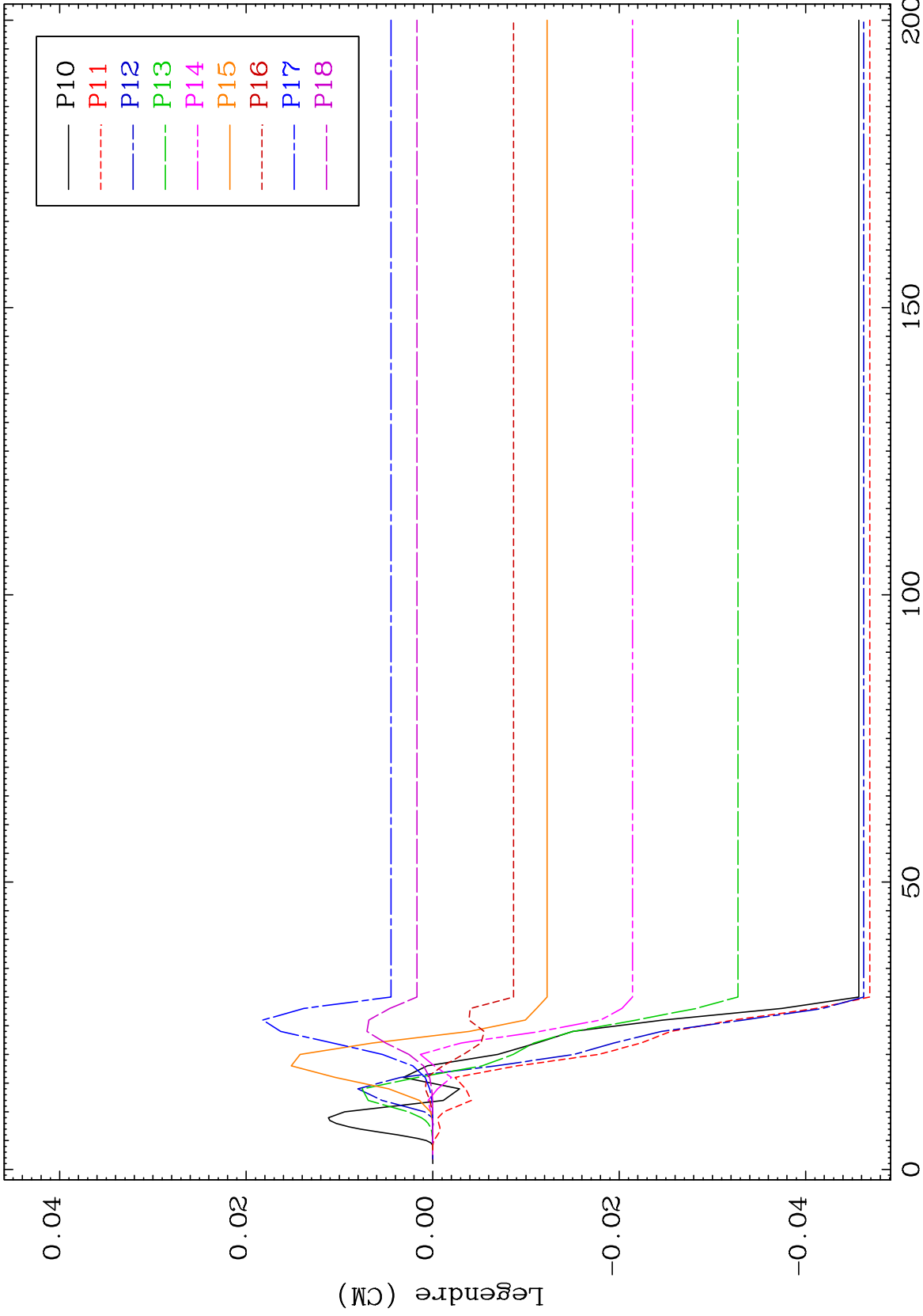


Legendre (CM) Incident Energy (MeV) 61-Pm-151

MAT 6161

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

61-Pm-151



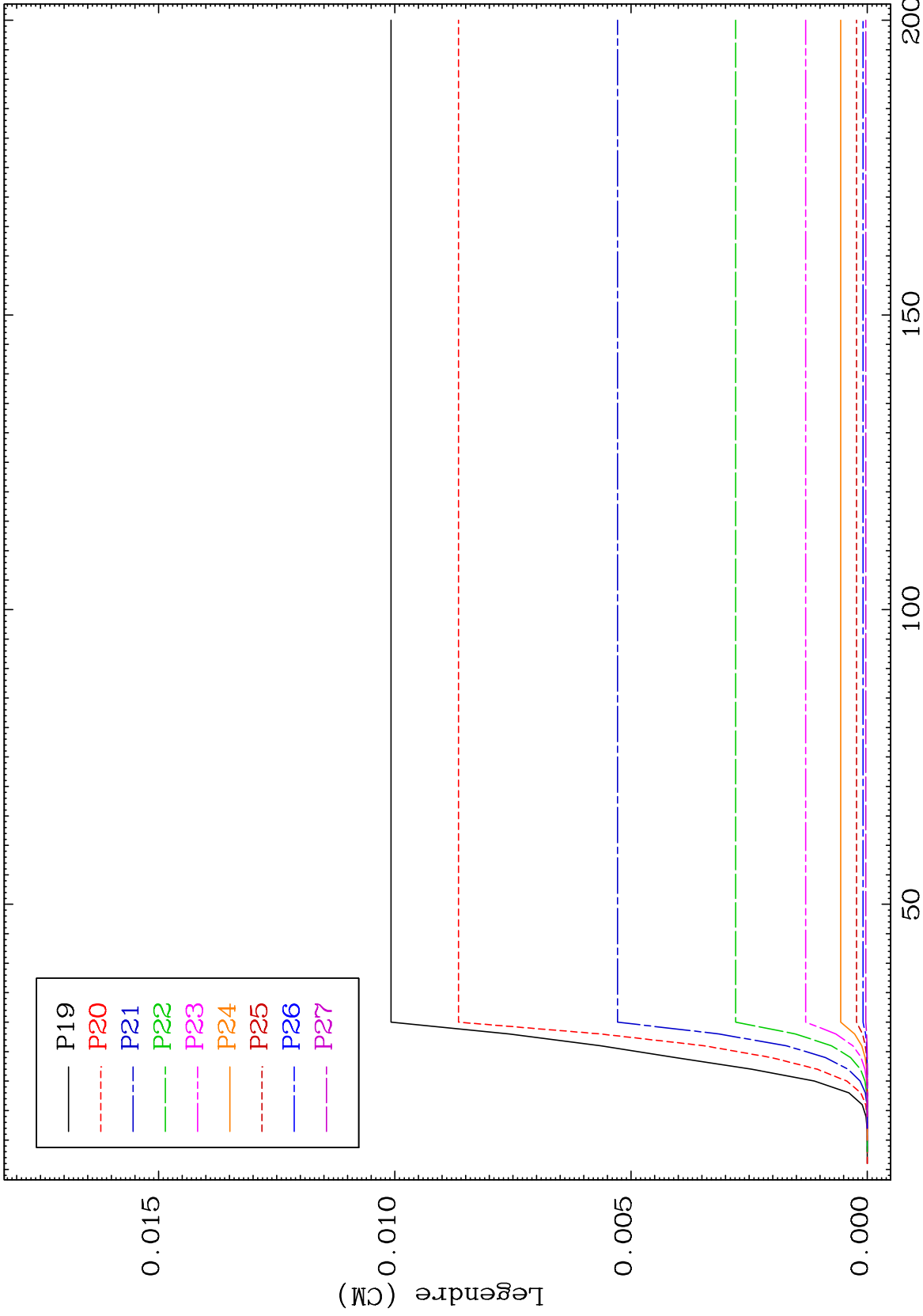
21

61-Pm-151

MAT 6161

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

61-Pm-151



22

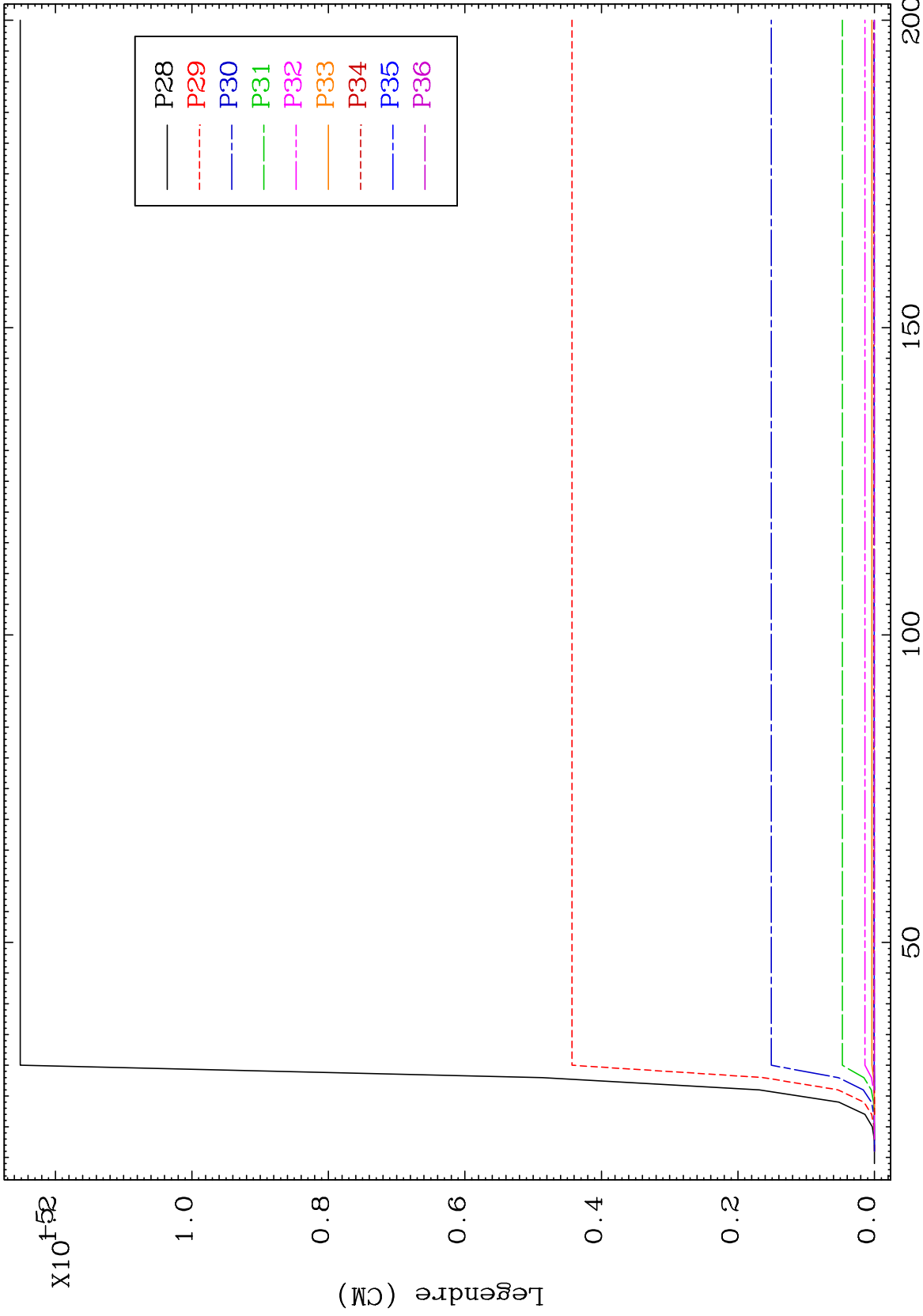
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



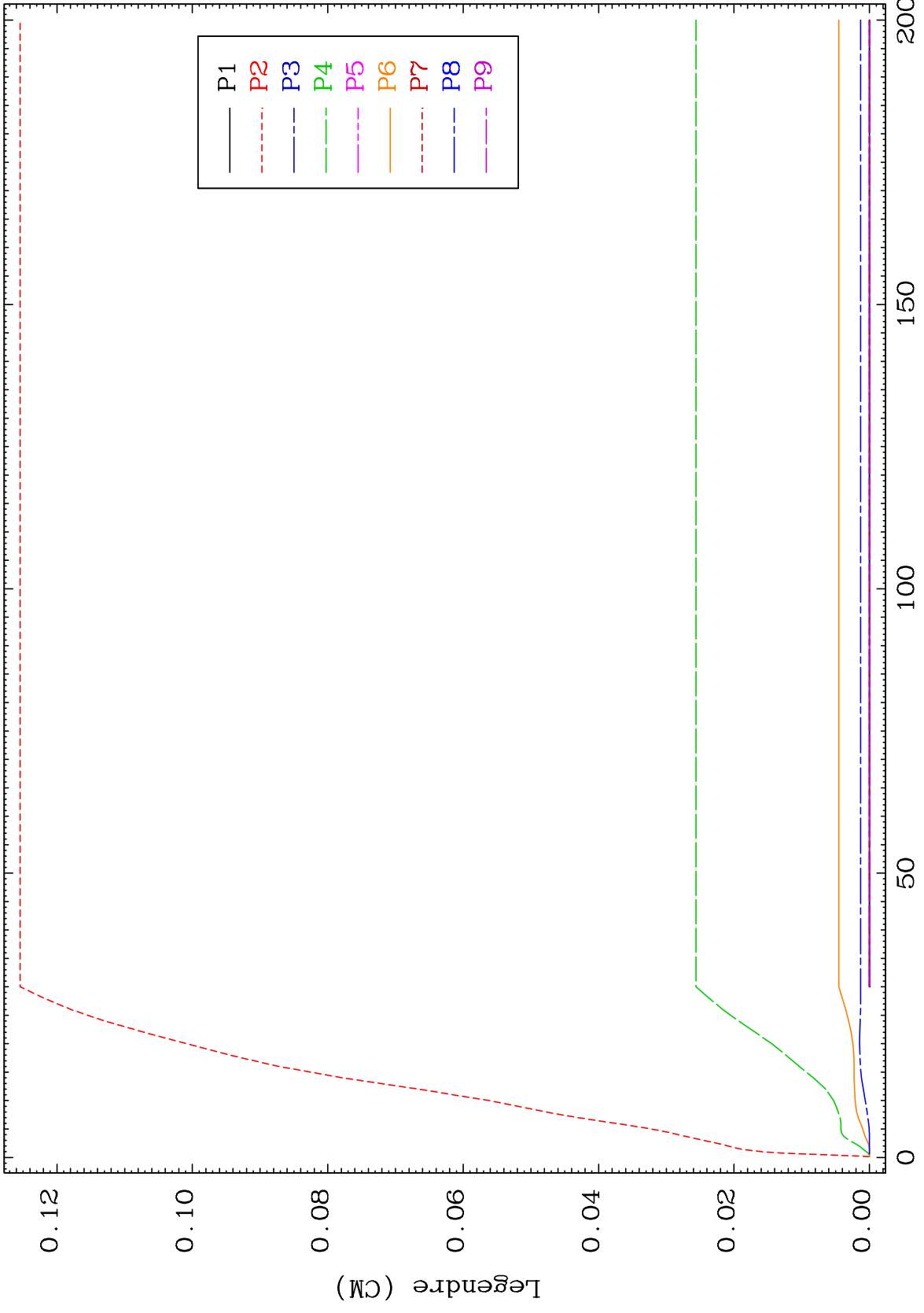
23

Incident Energy (MeV)

61-Pm-151



MAT 6161 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-151

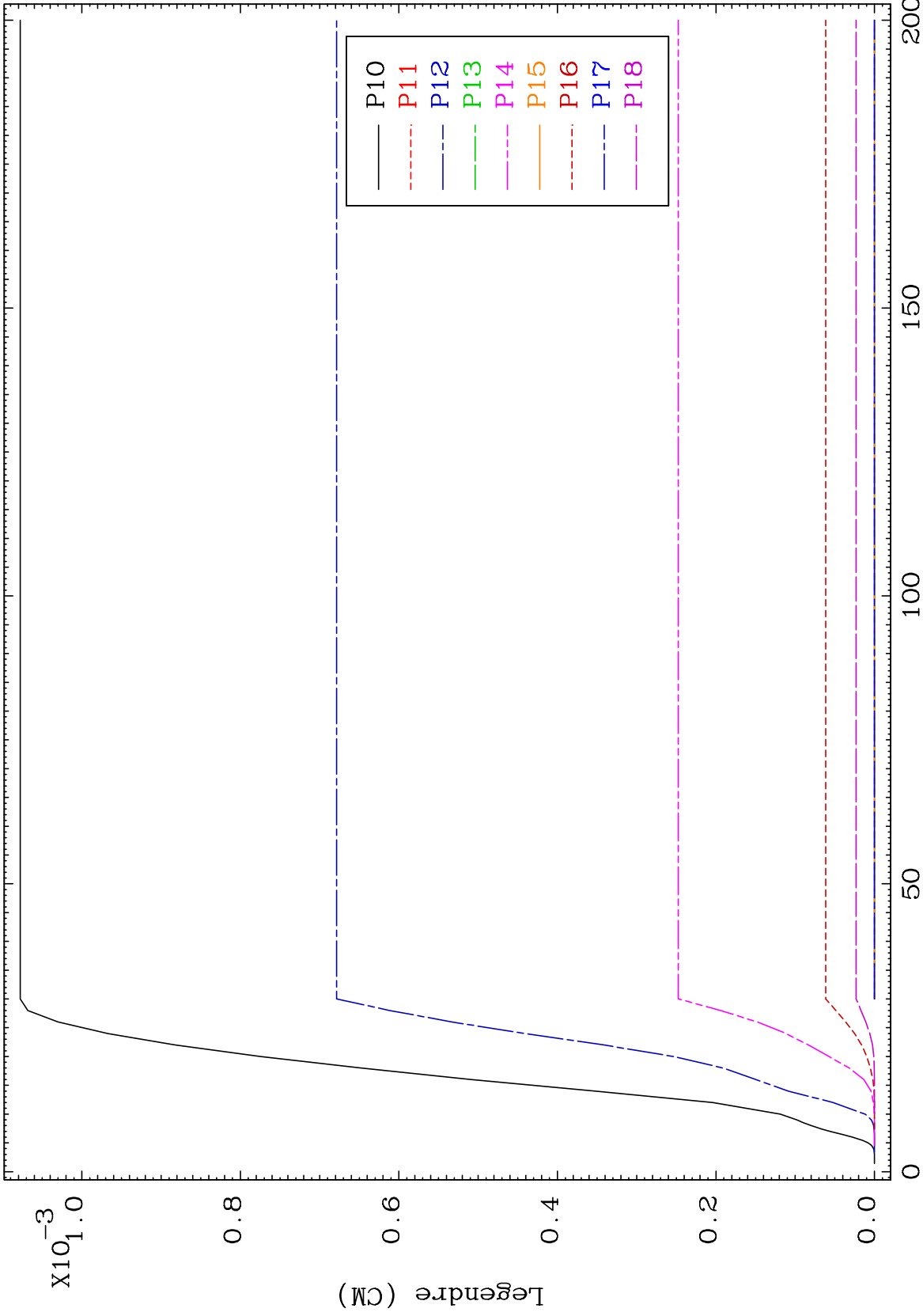


24 Incident Energy (MeV) 61-Pm-151

MAT 6161

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

61-Pm-151



25

Incident Energy (MeV)

50

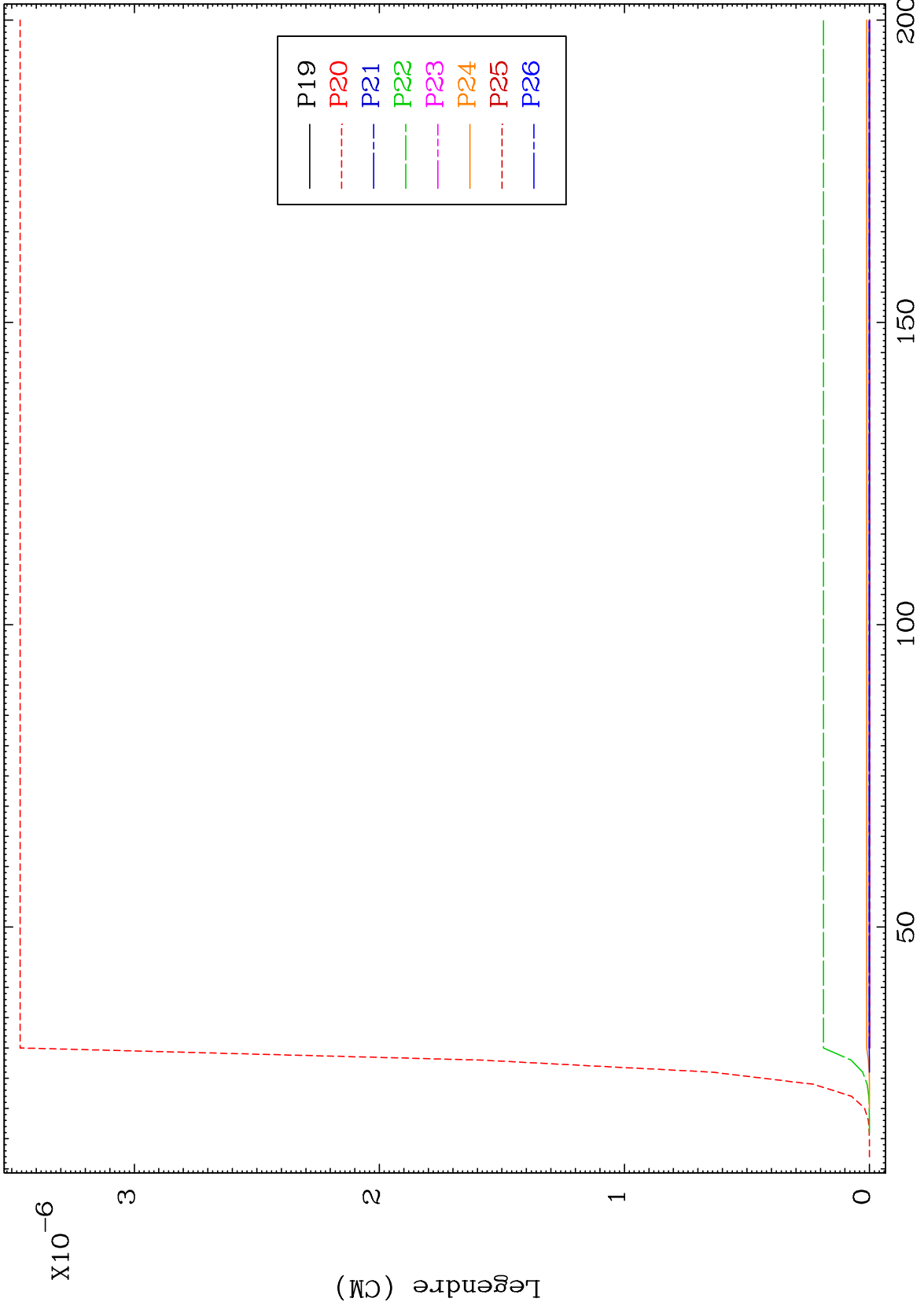
61-Pm-151

100

150

200

MAT 6161 MT= 52 (n,n') Level Legendre Coefficients 61-Pm-151

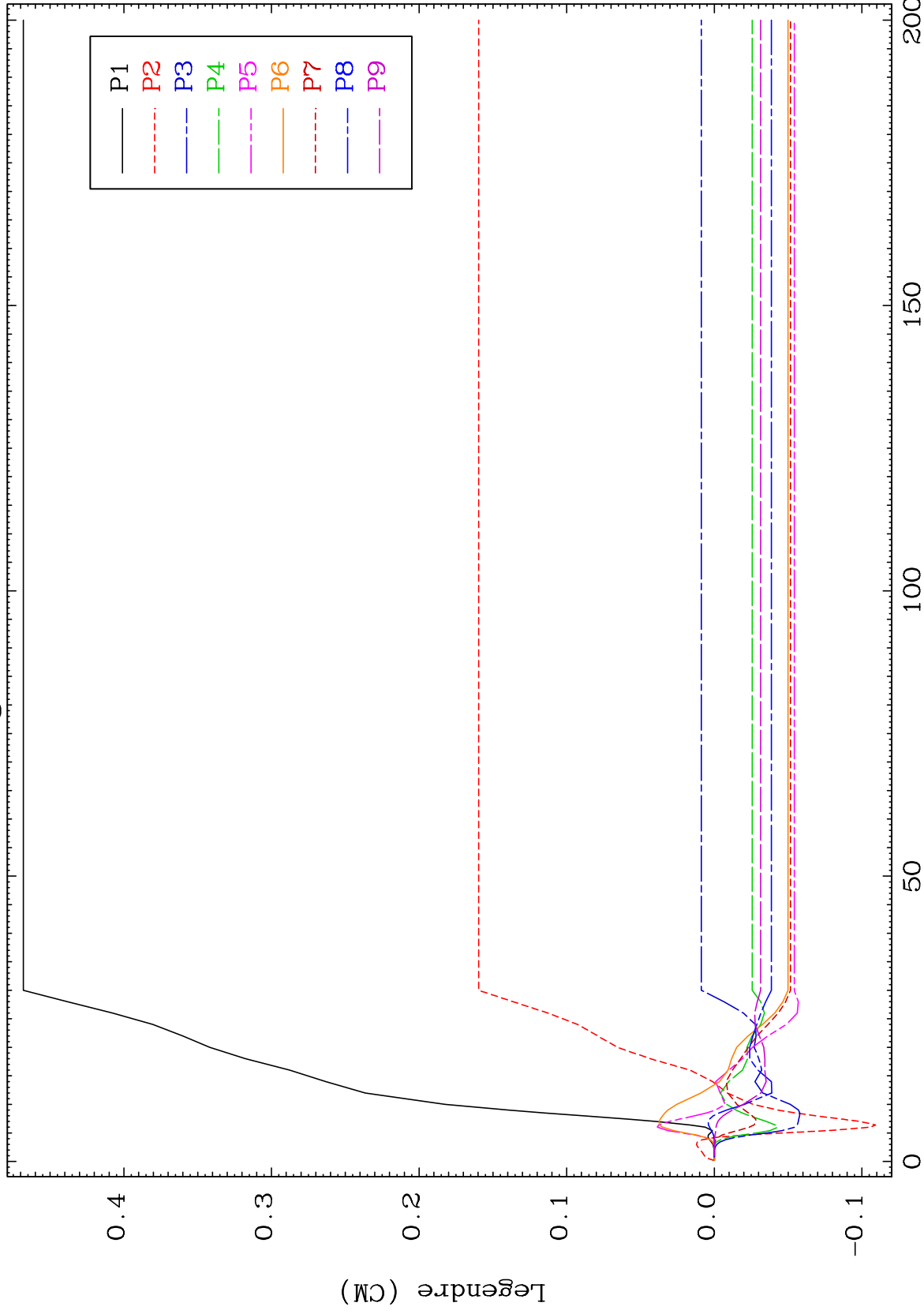


26 50 100 150 200 61-Pm-151

MAT 6161

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

61-Pm-151



27

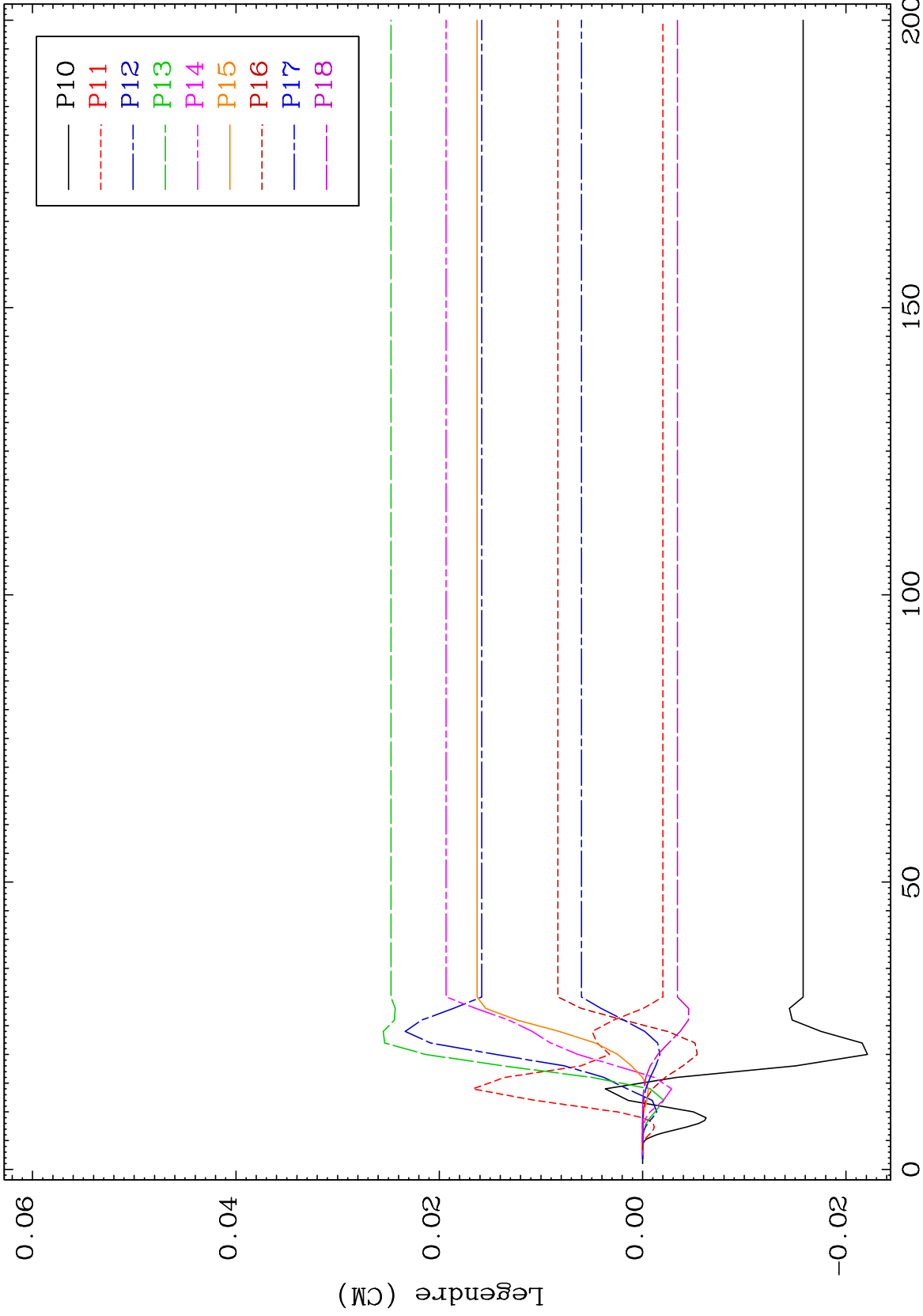
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



28

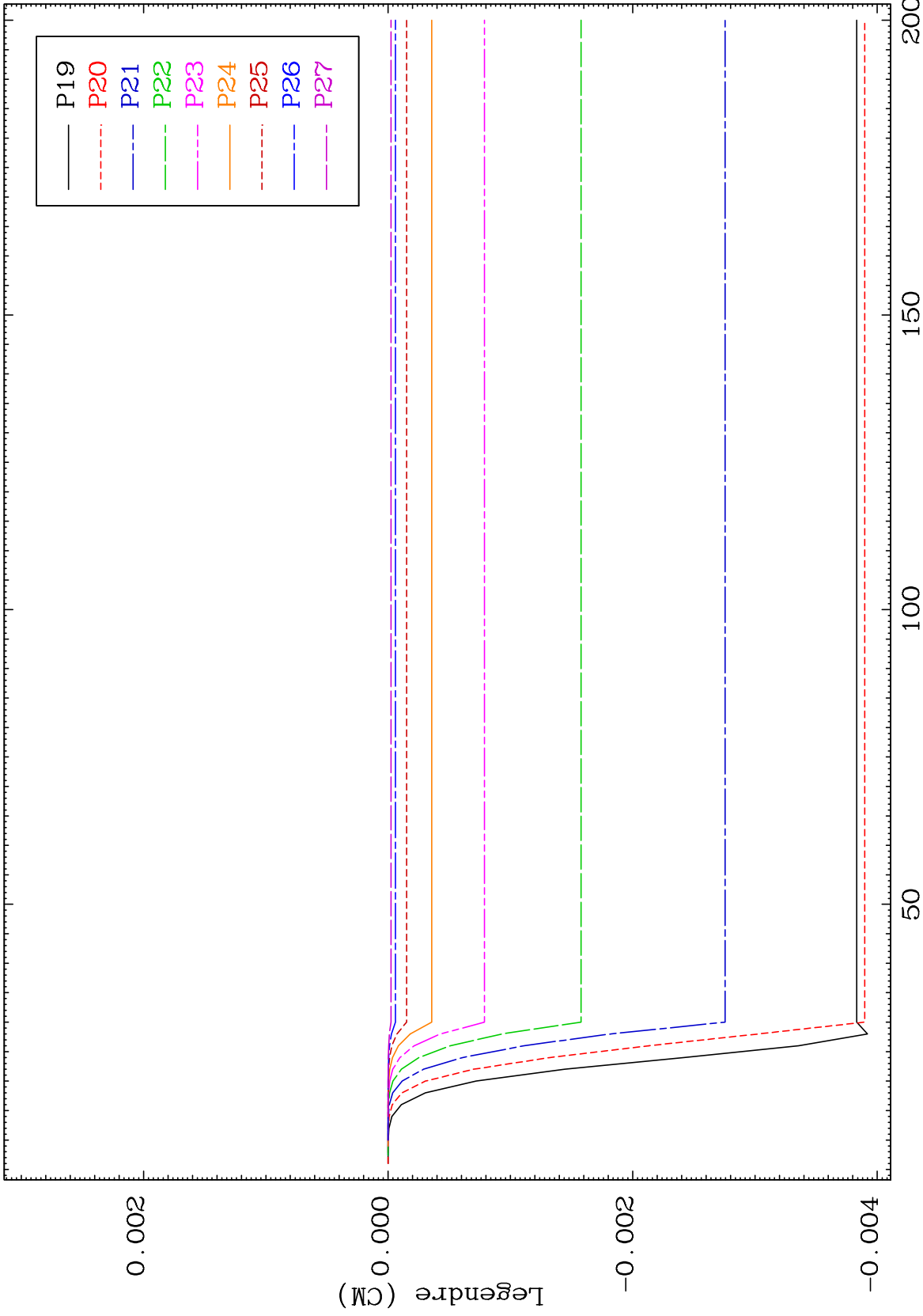
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

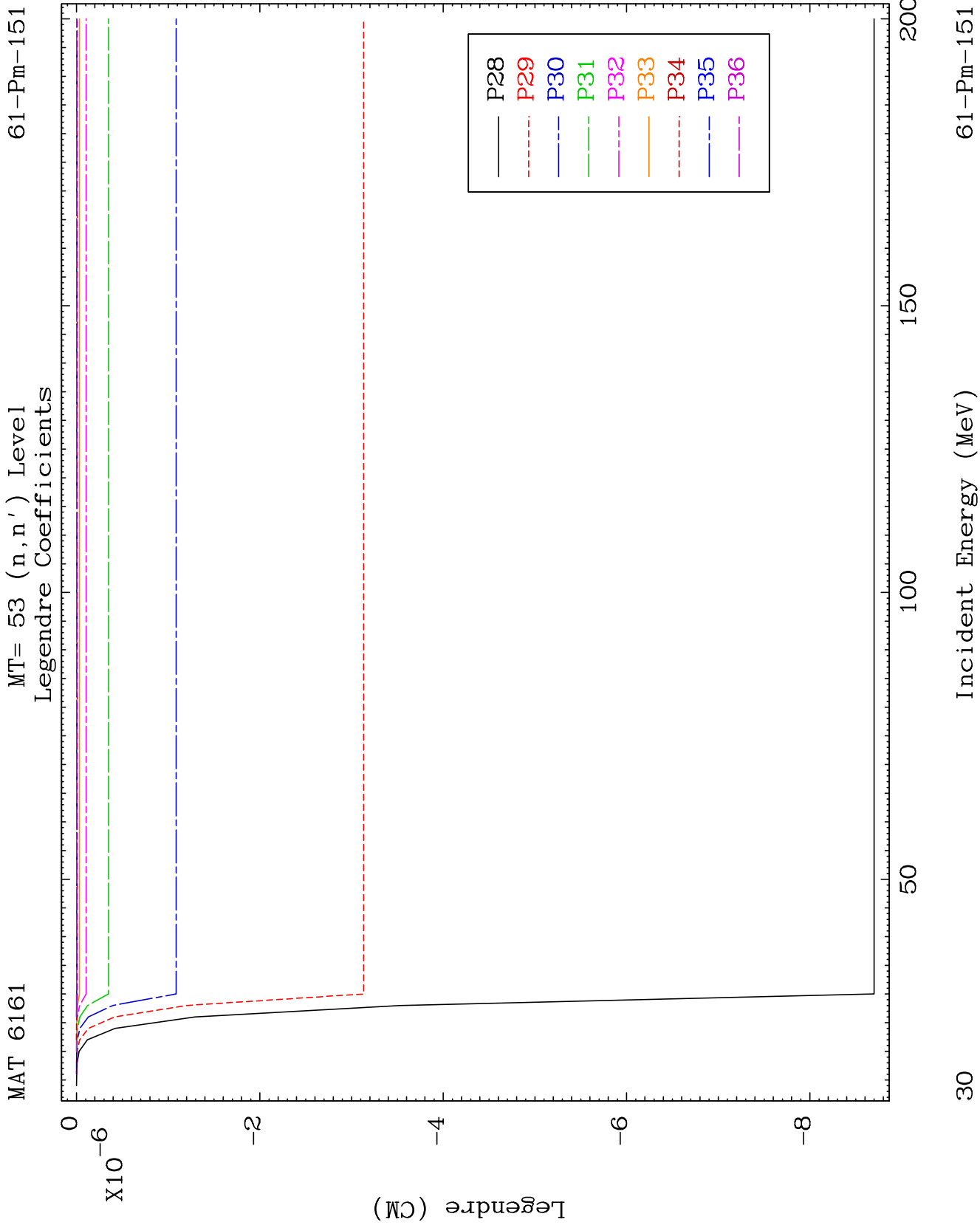
61-Pm-151



29

Incident Energy (MeV)

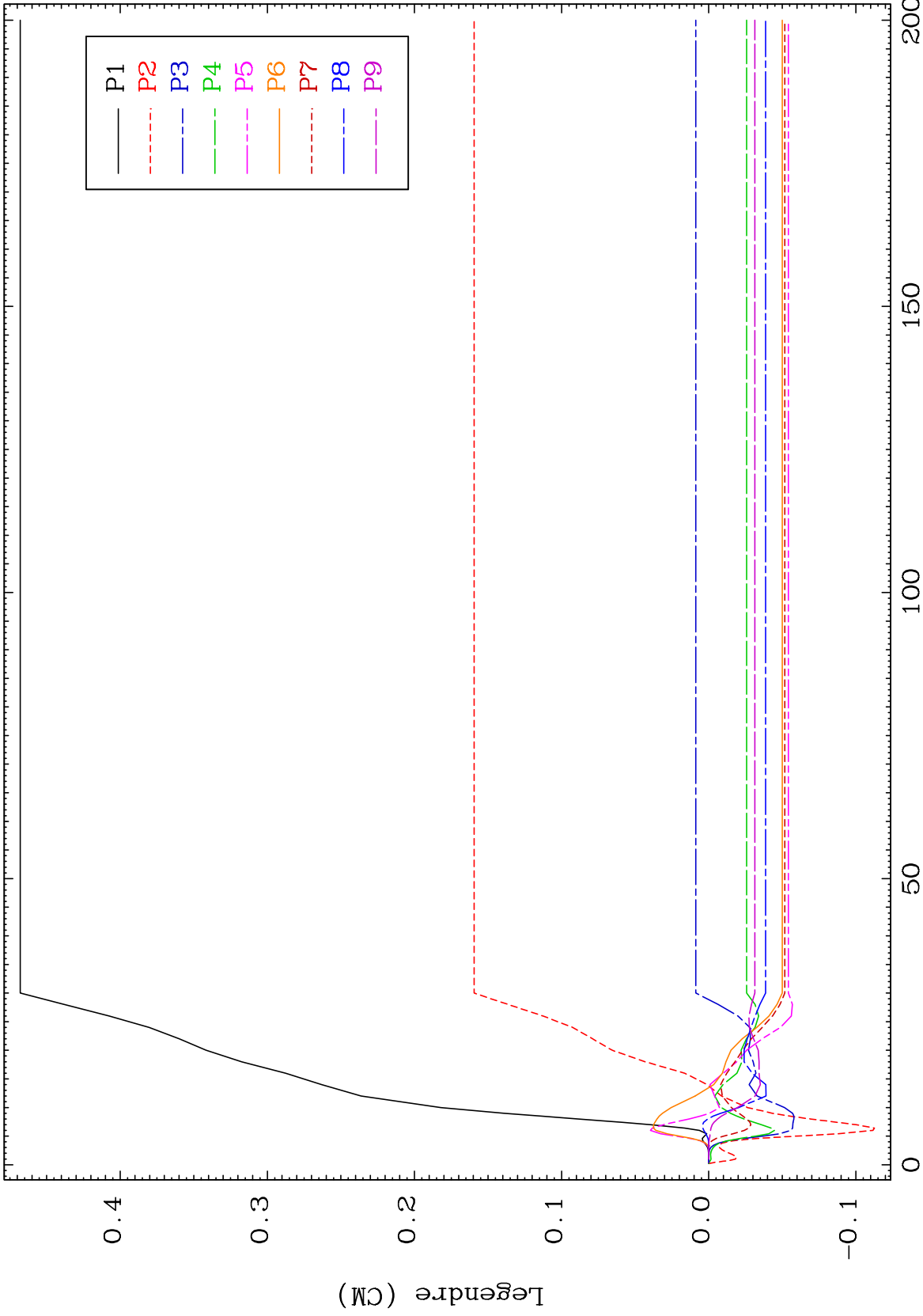
61-Pm-151



MAT 6161

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

61-Pm-151



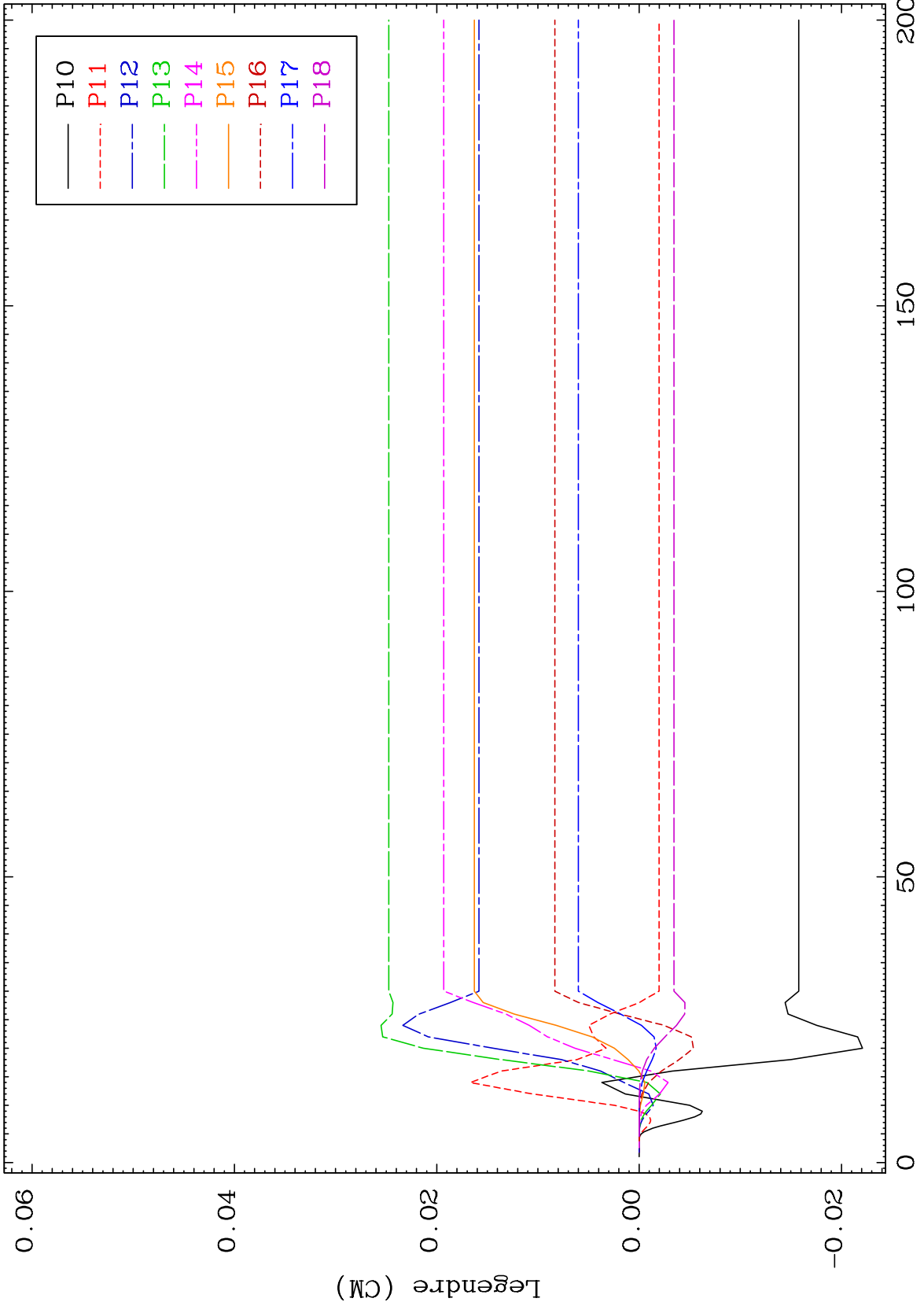
31

Incident Energy (MeV)

61-Pm-151



MAT 6161 MT= 54 (n,n') Level Legendre Coefficients 61-Pm-151

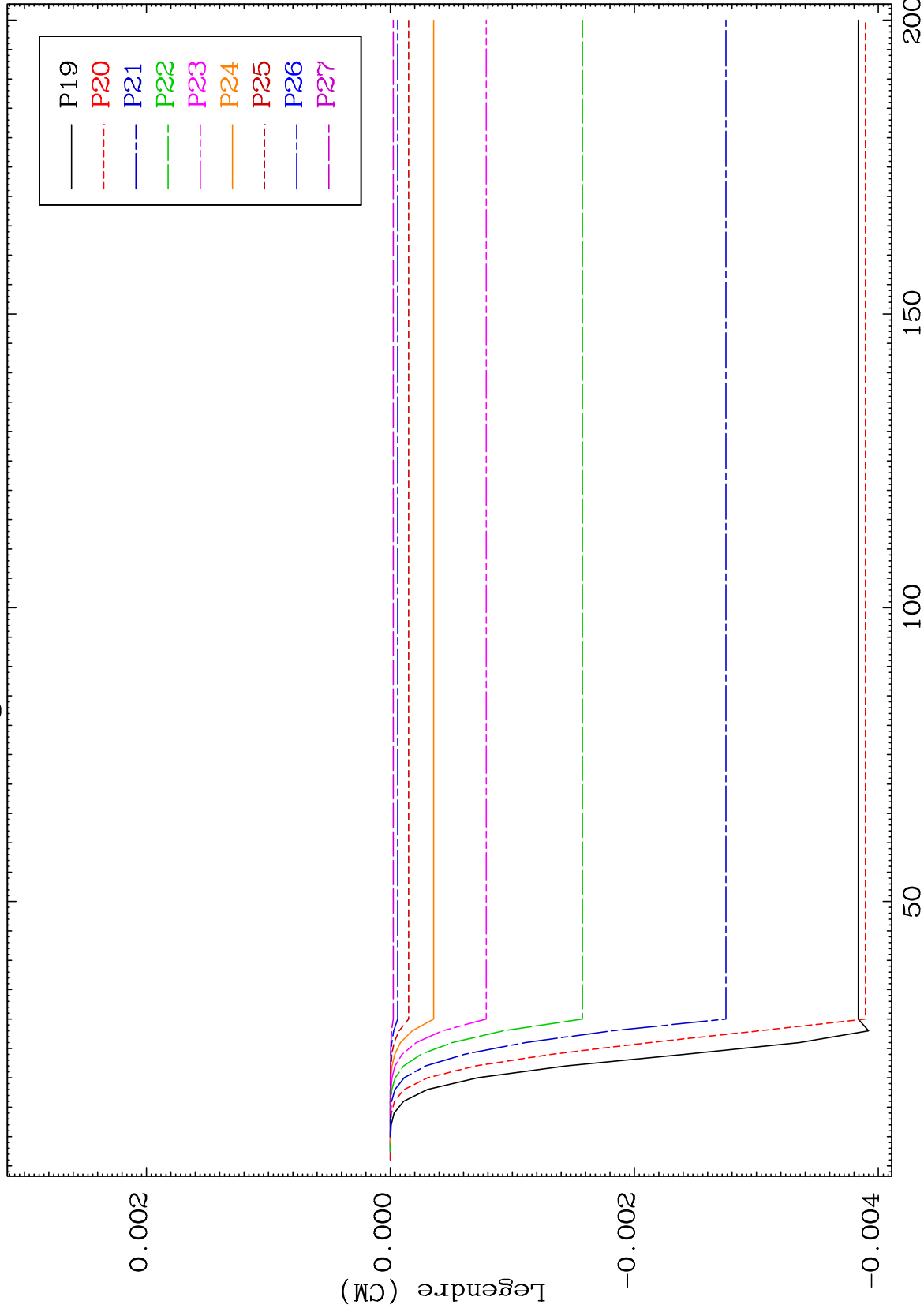


32 61-Pm-151

MAT 6161

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

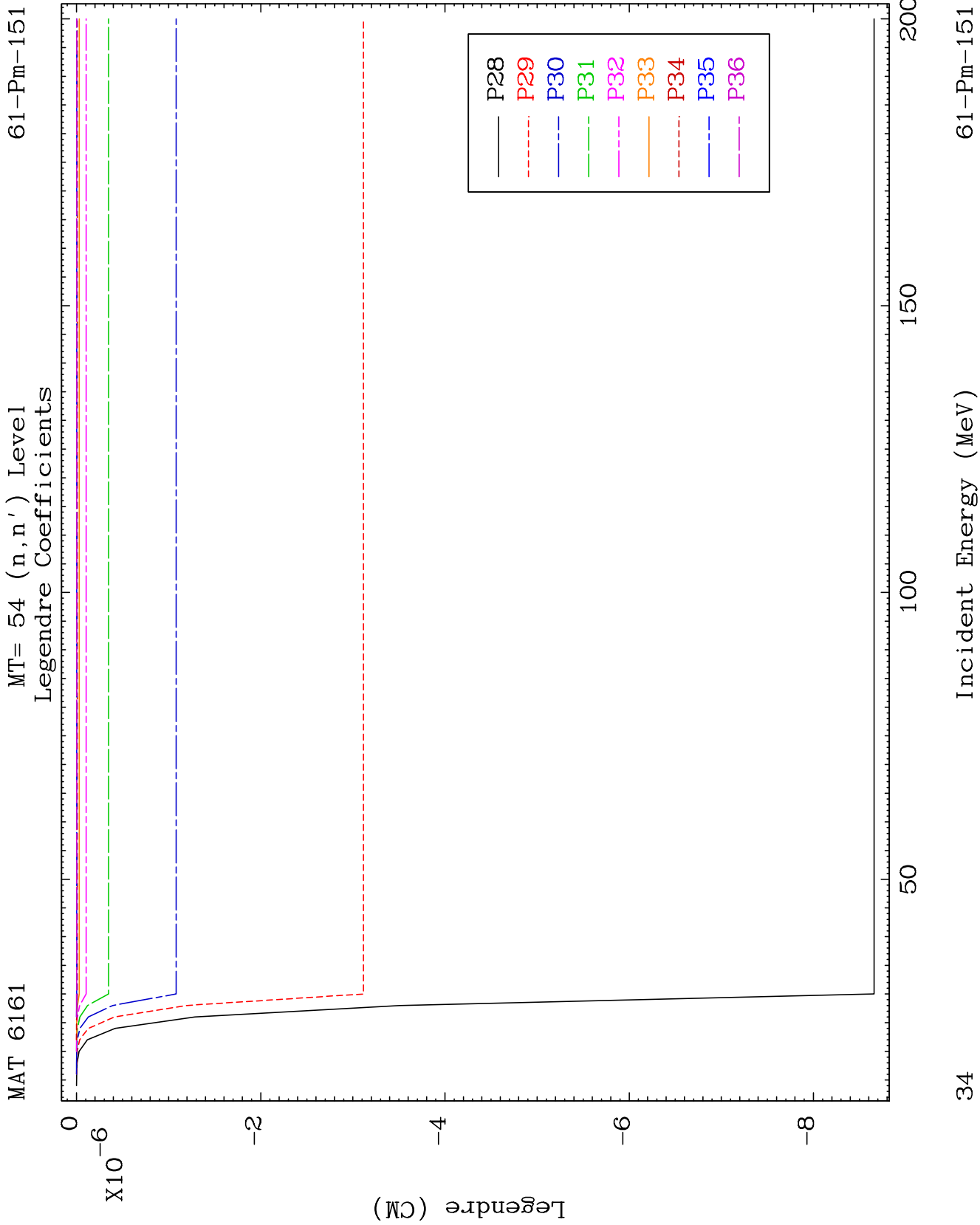
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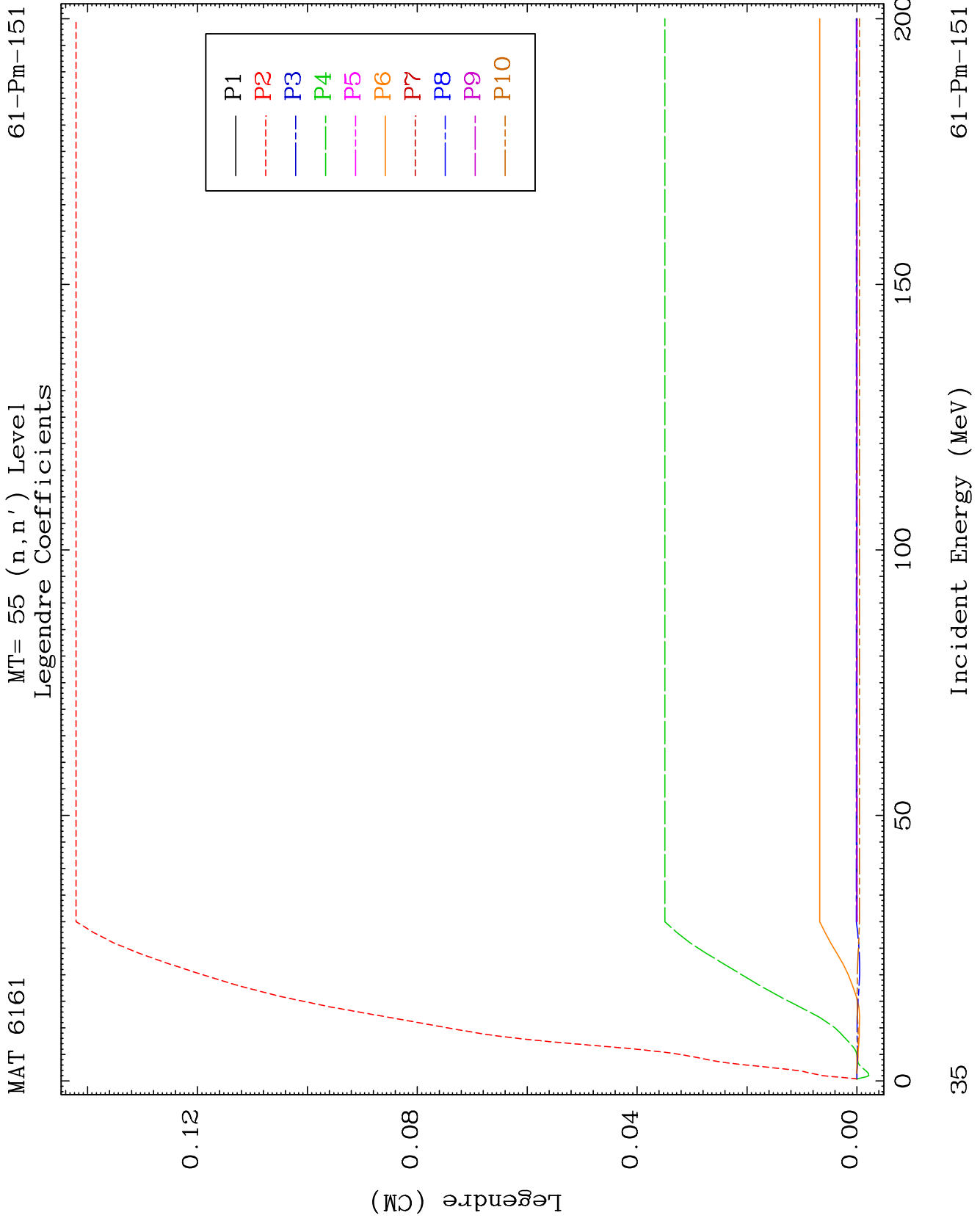


33

Incident Energy (MeV)

61-Pm-151

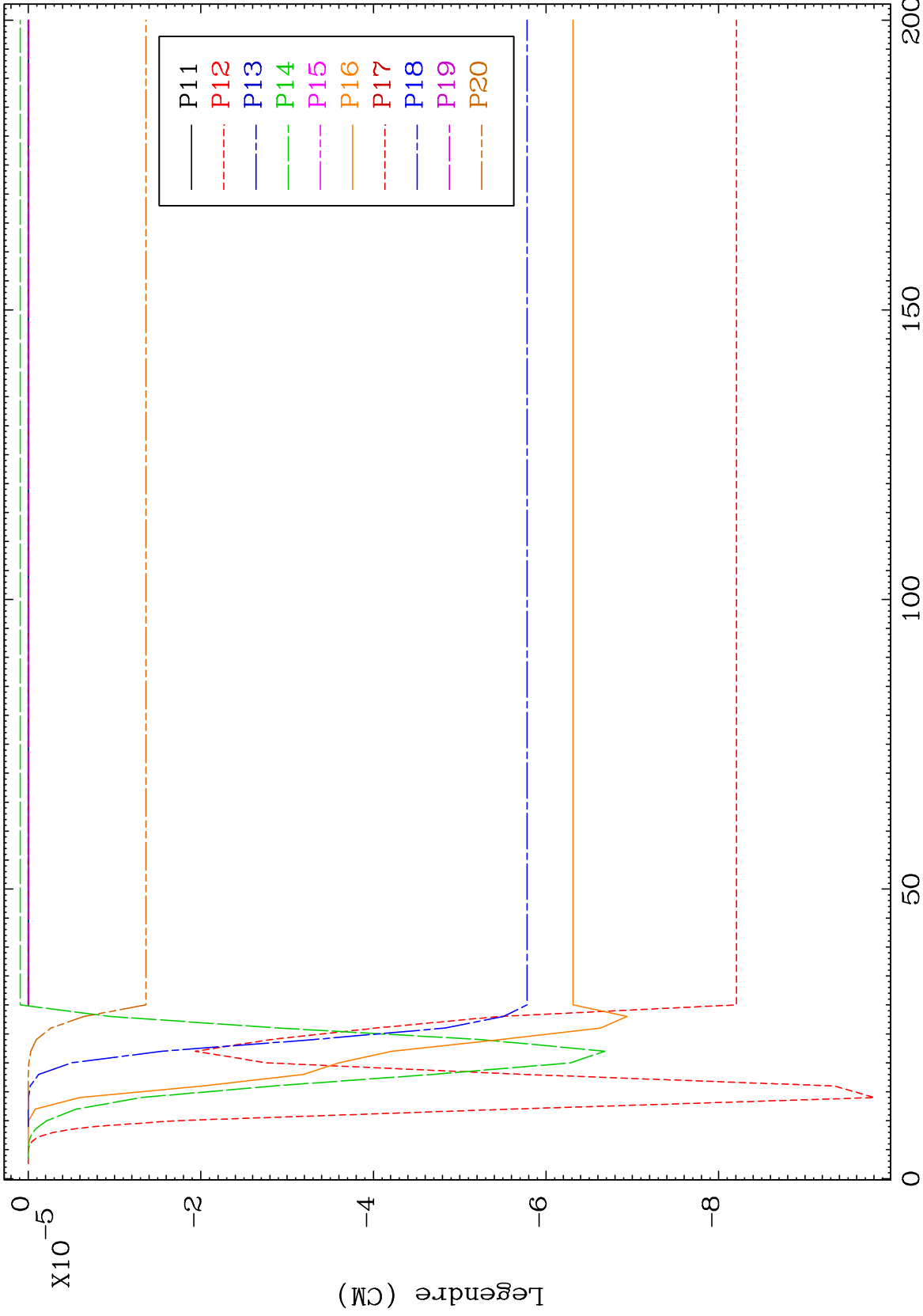




MAT 6161

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

61-Pm-151

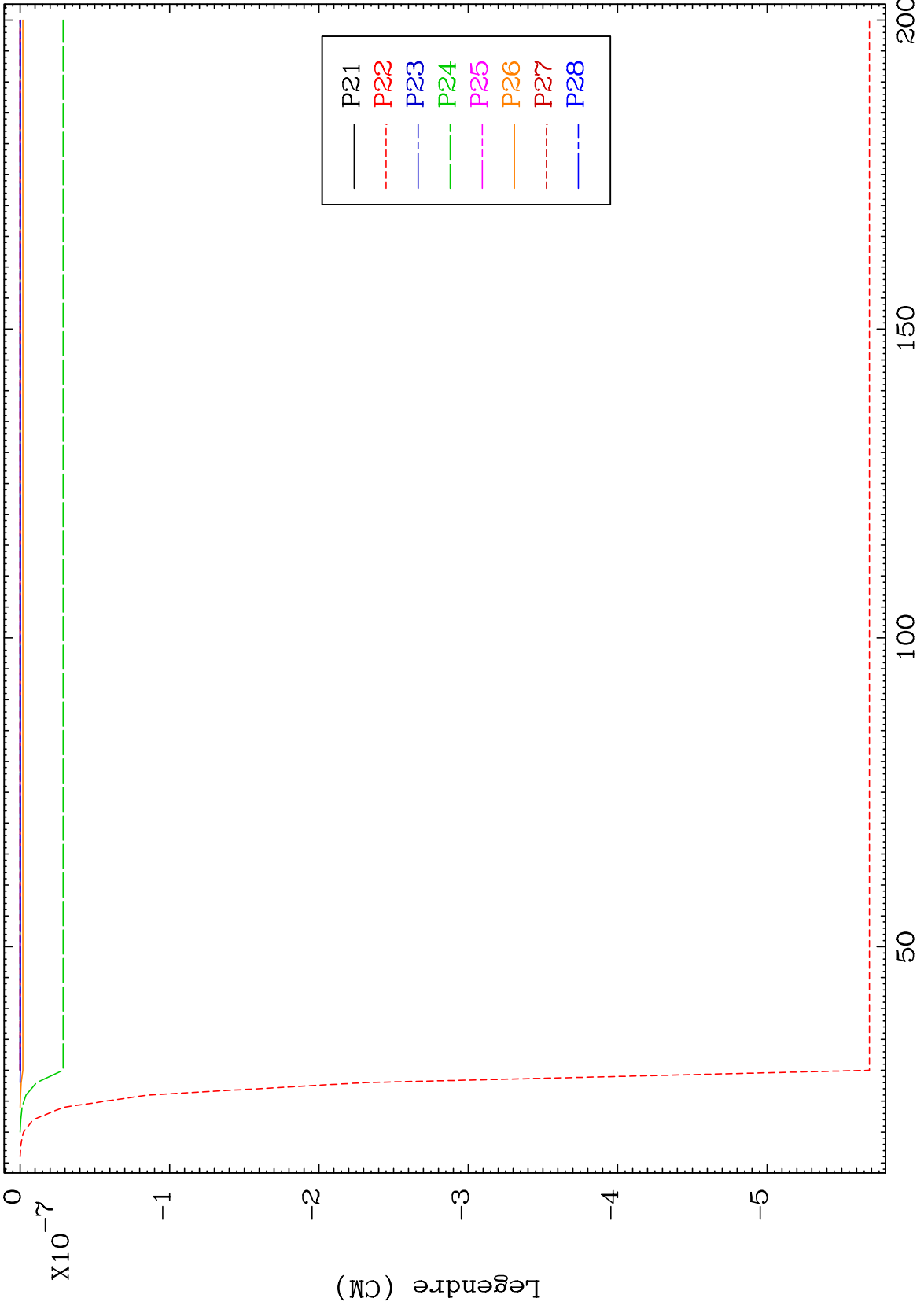


36

Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 55 (n,n') Level Legendre Coefficients 61-Pm-151

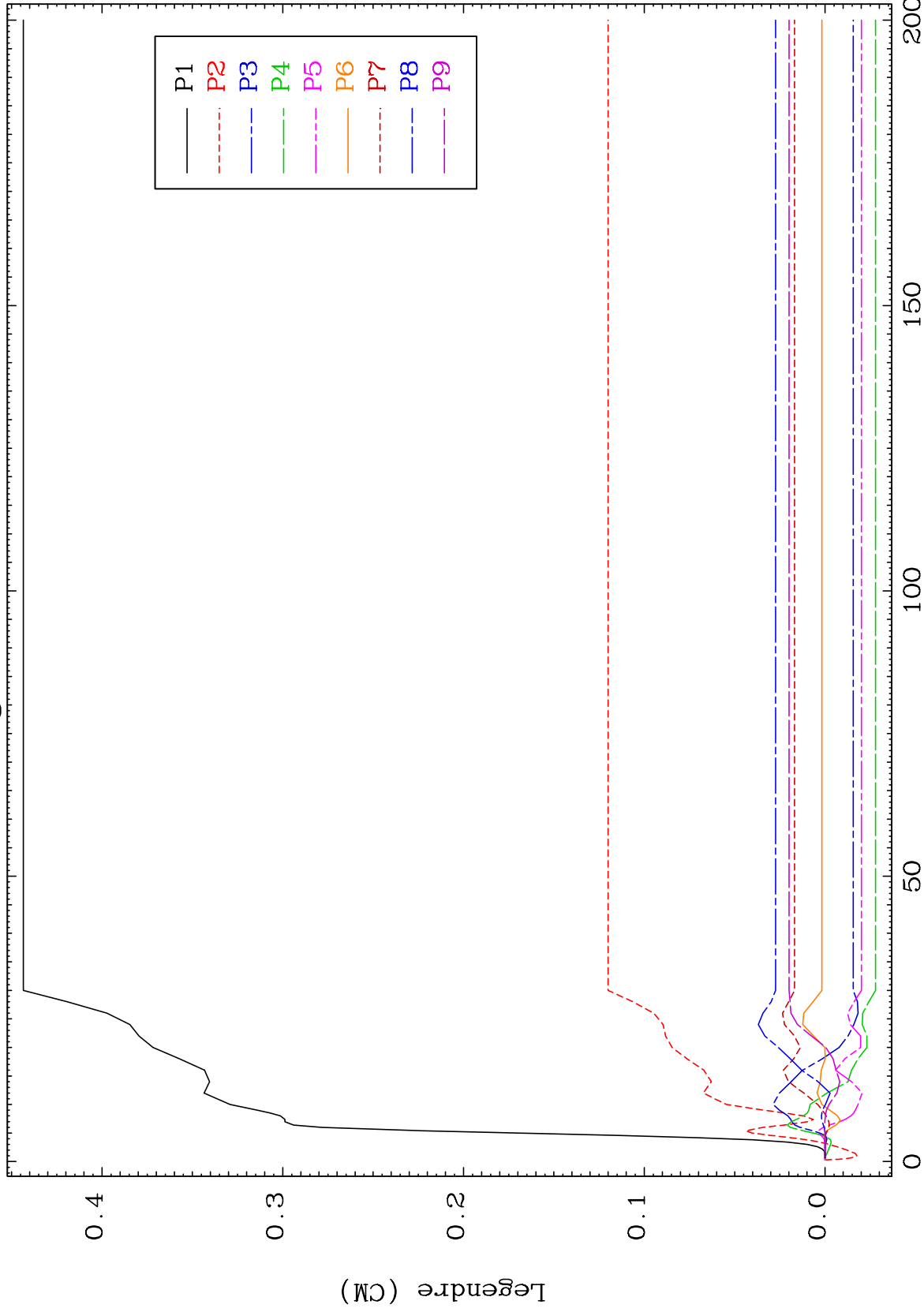


37 61-Pm-151

MAT 6161

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

61-Pm-151



38

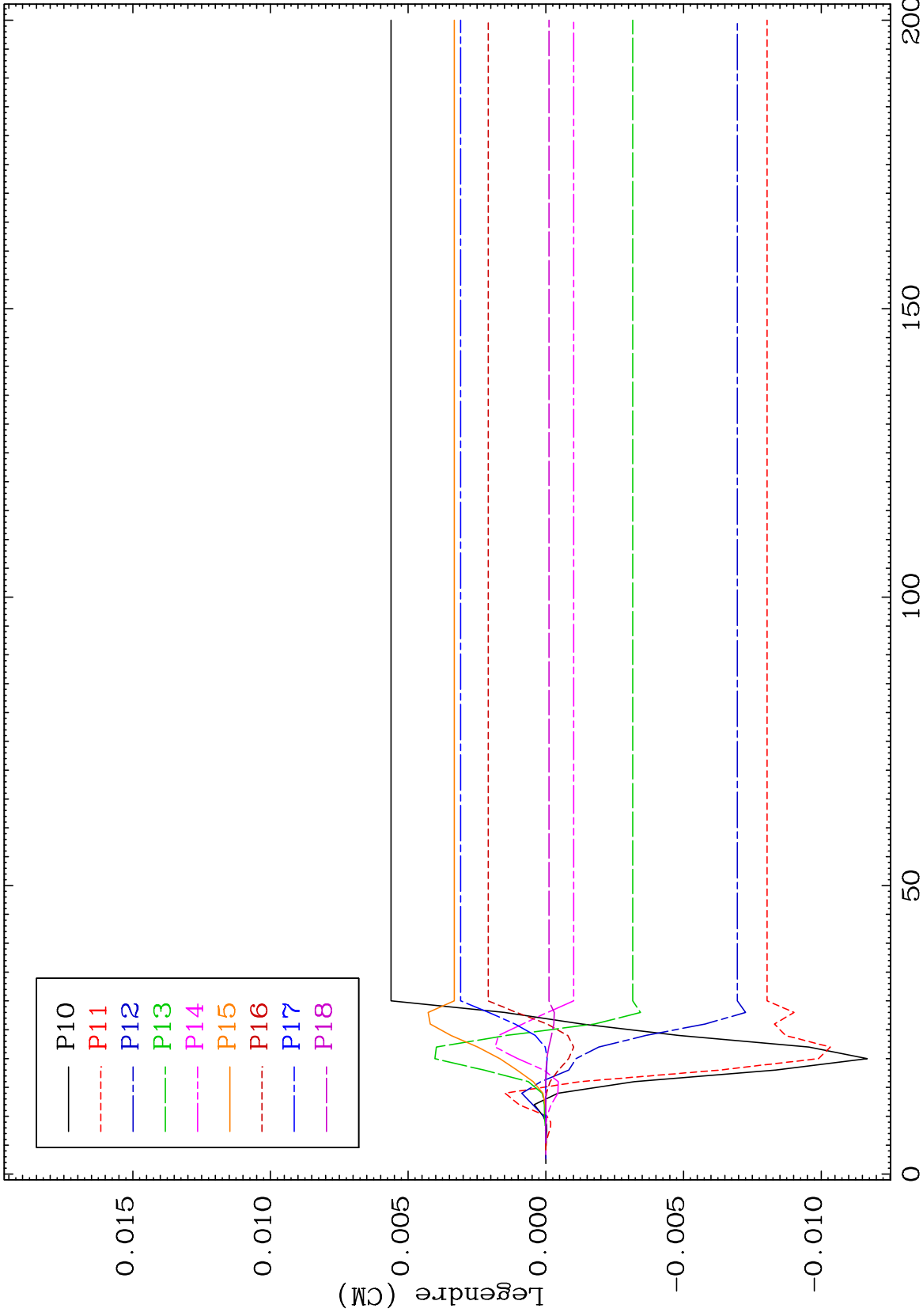
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



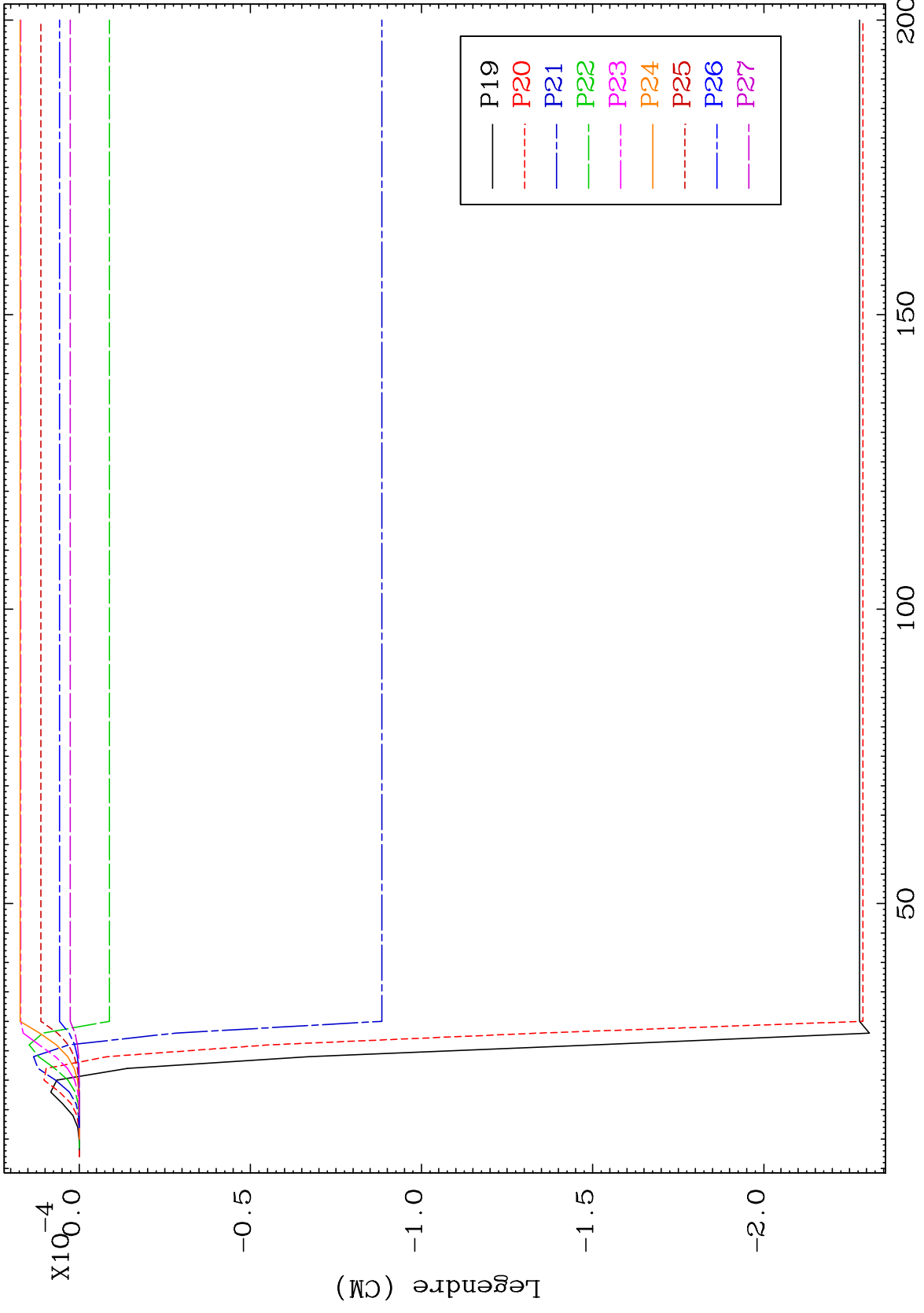
39

Incident Energy (MeV)

61-Pm-151



MAT 6161 MT= 56 (n,n') Level Legendre Coefficients 61-Pm-151

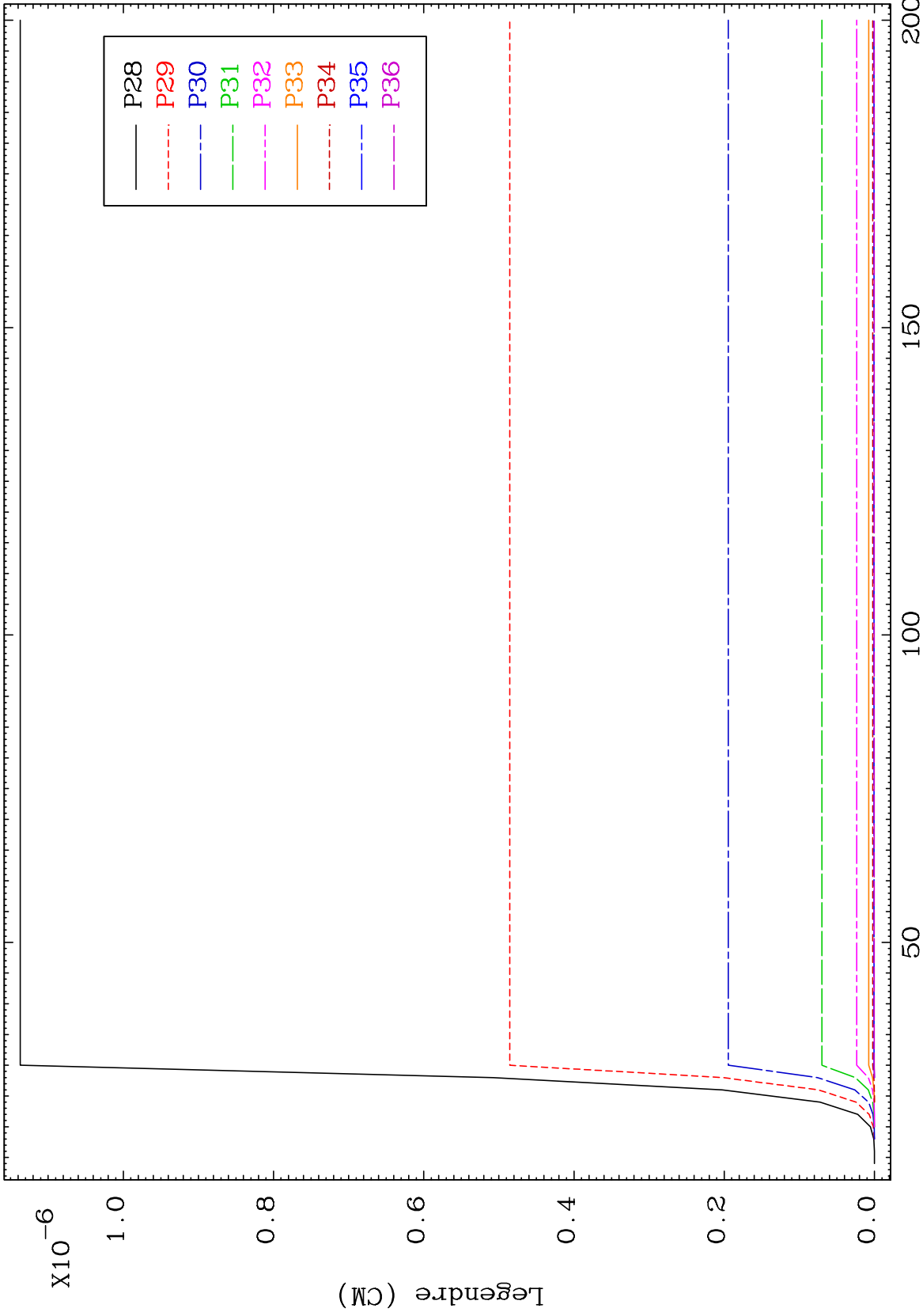


40 Incident Energy (MeV) 61-Pm-151

MAT 6161

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

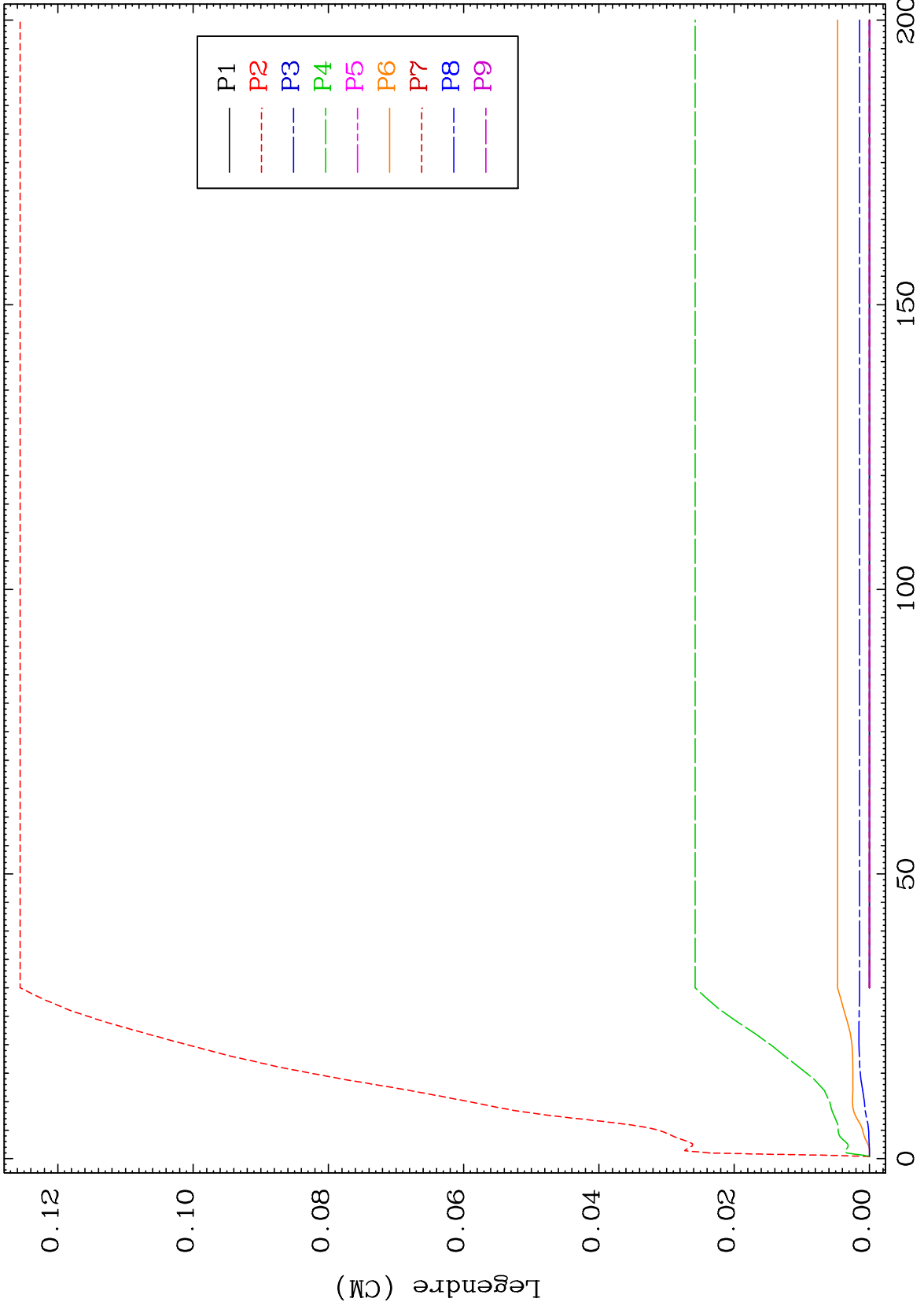
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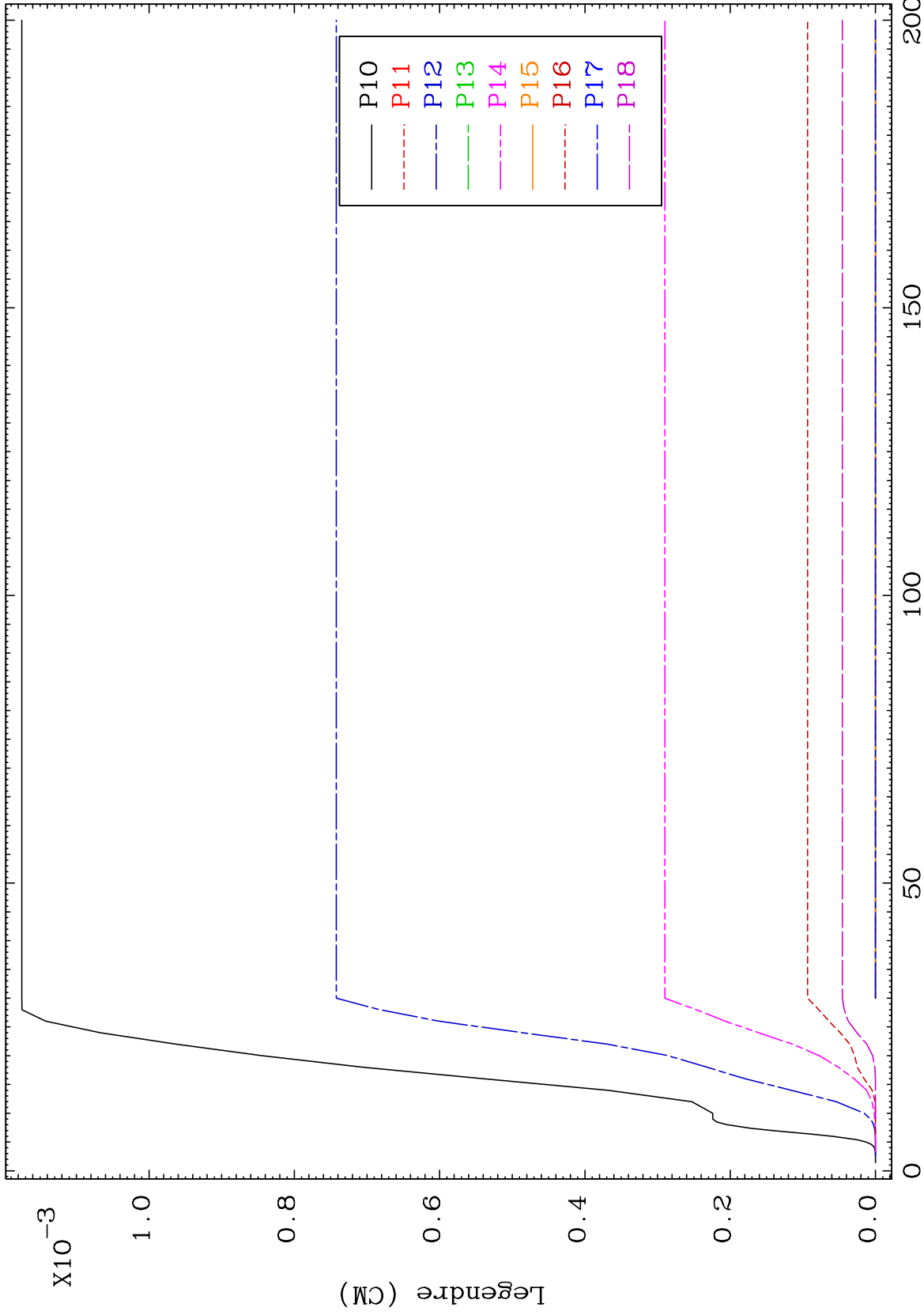
41

61-Pm-151

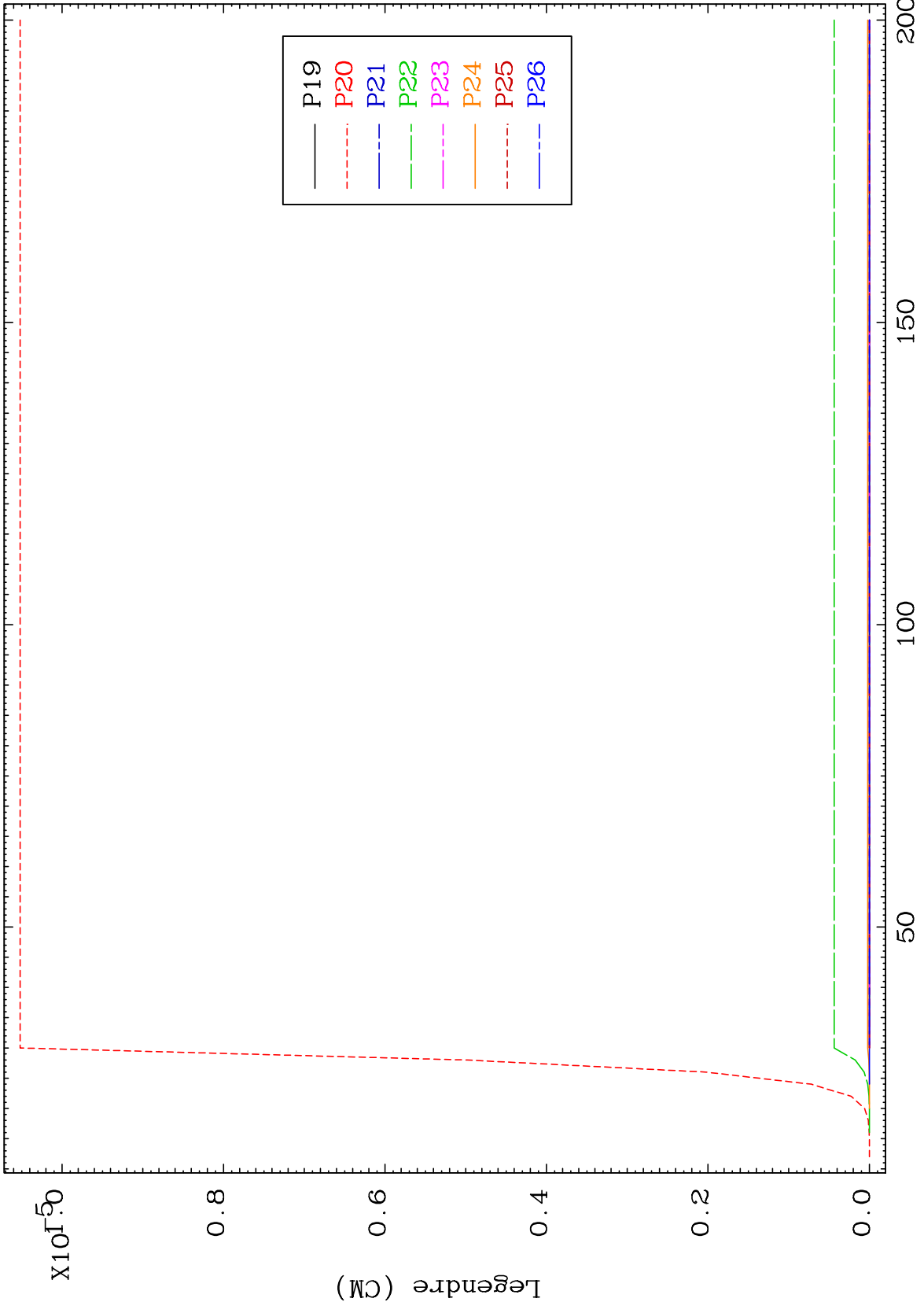
MAT 6161 MT= 57 (n,n') Level Legendre Coefficients 61-Pm-151



42 61-Pm-151



MAT 6161 MT= 57 (n,n') Level Legendre Coefficients 61-Pm-151

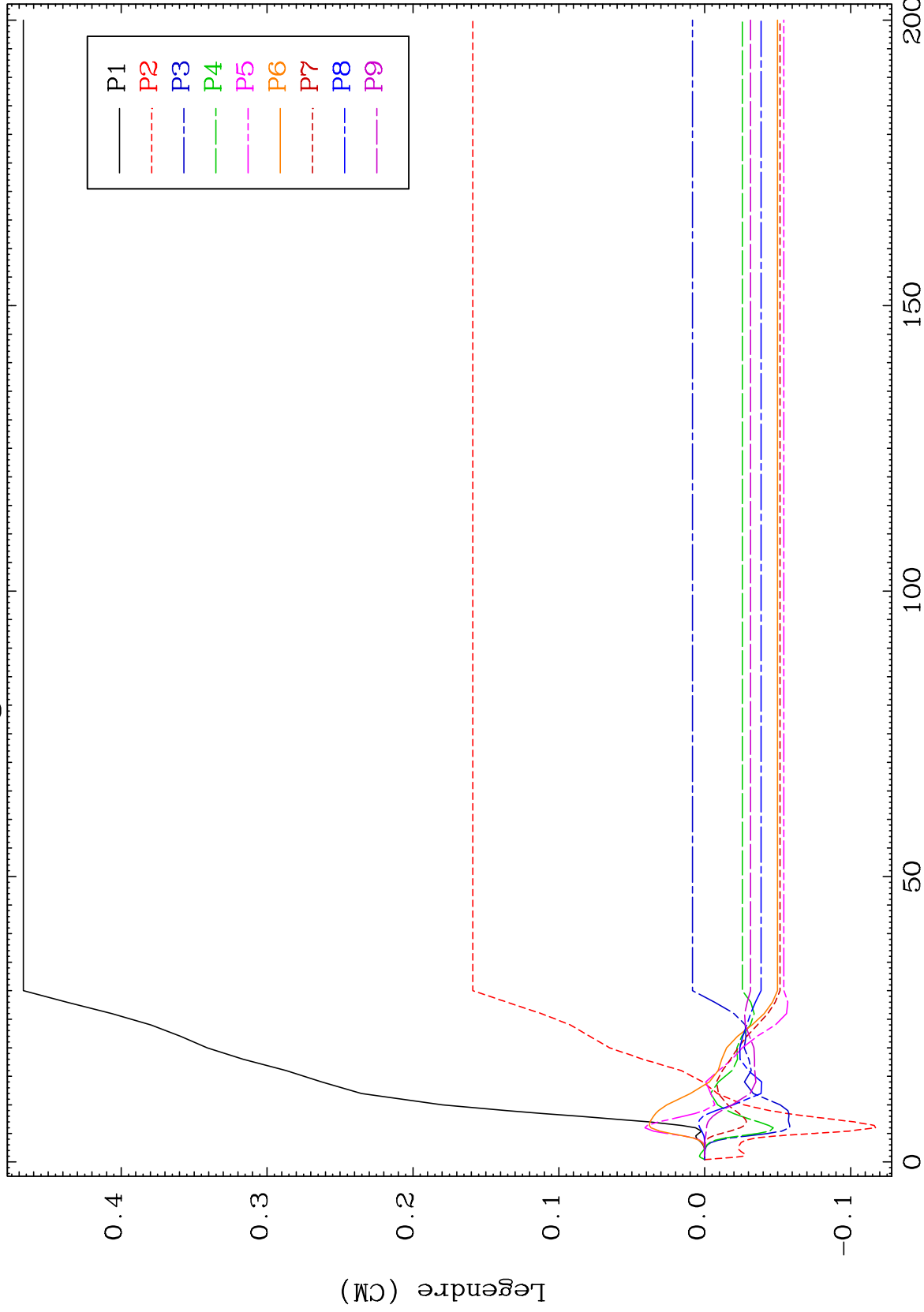


44 61-Pm-151

MAT 6161

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

61-Pm-151



45

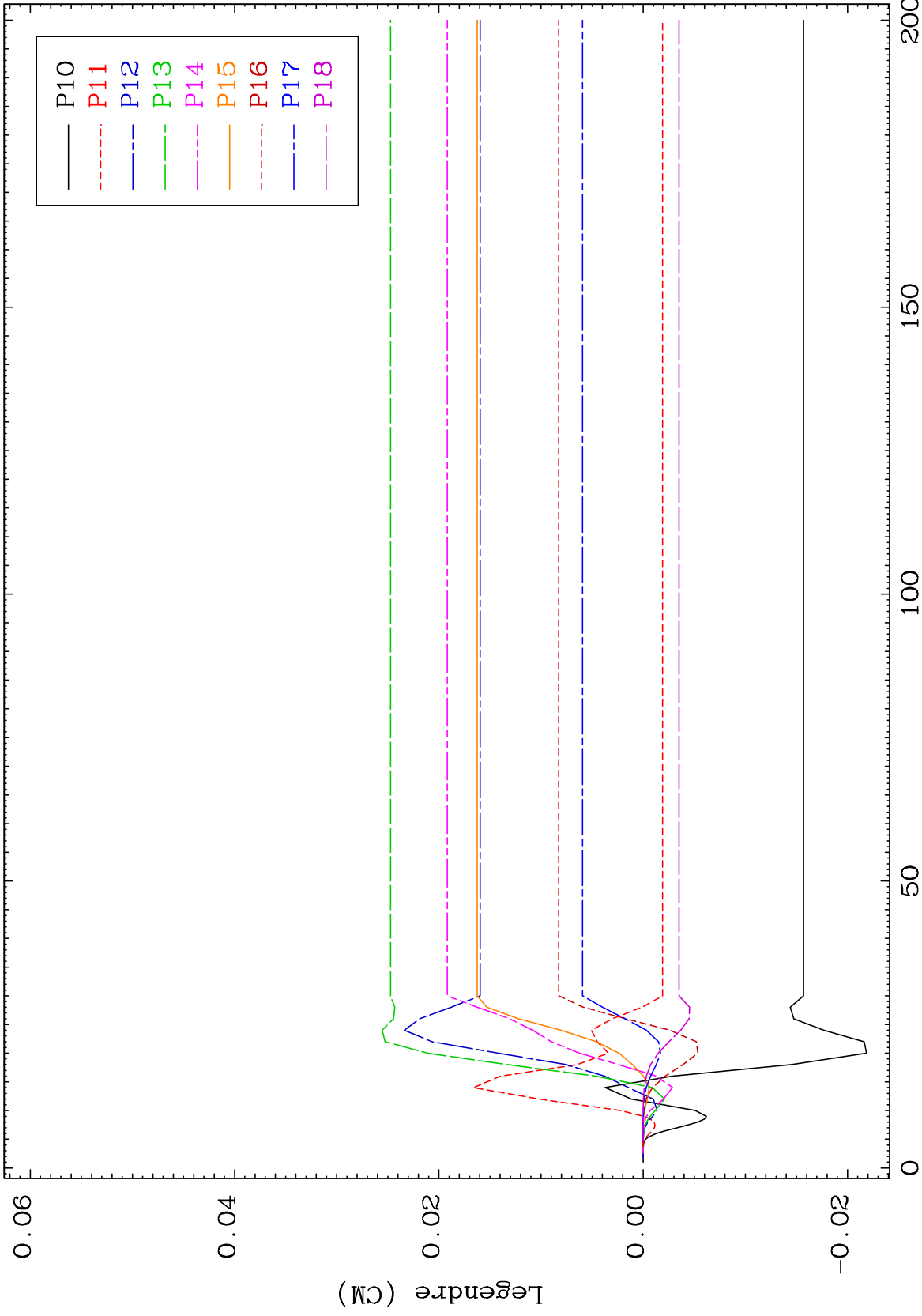
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



46

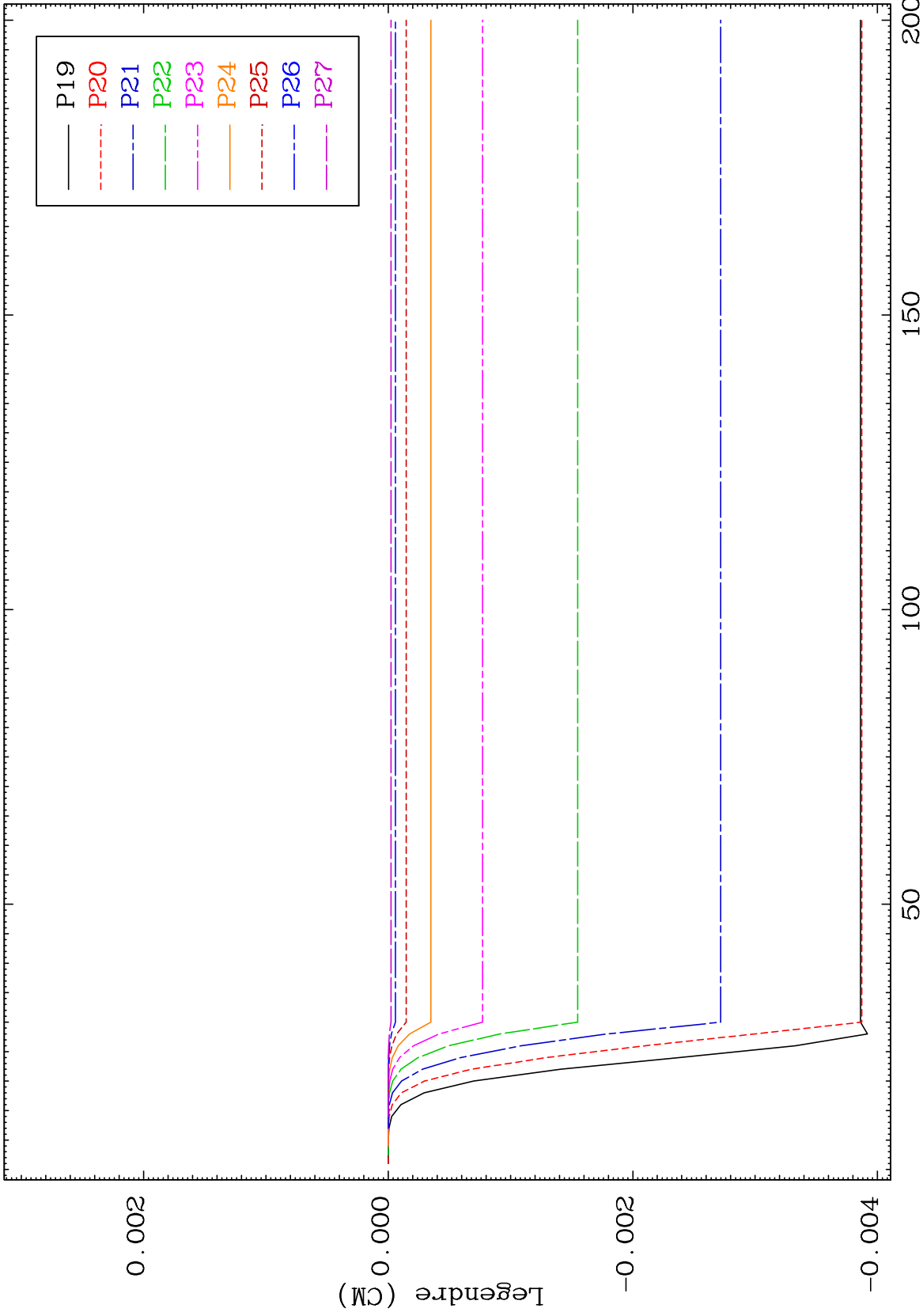
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151

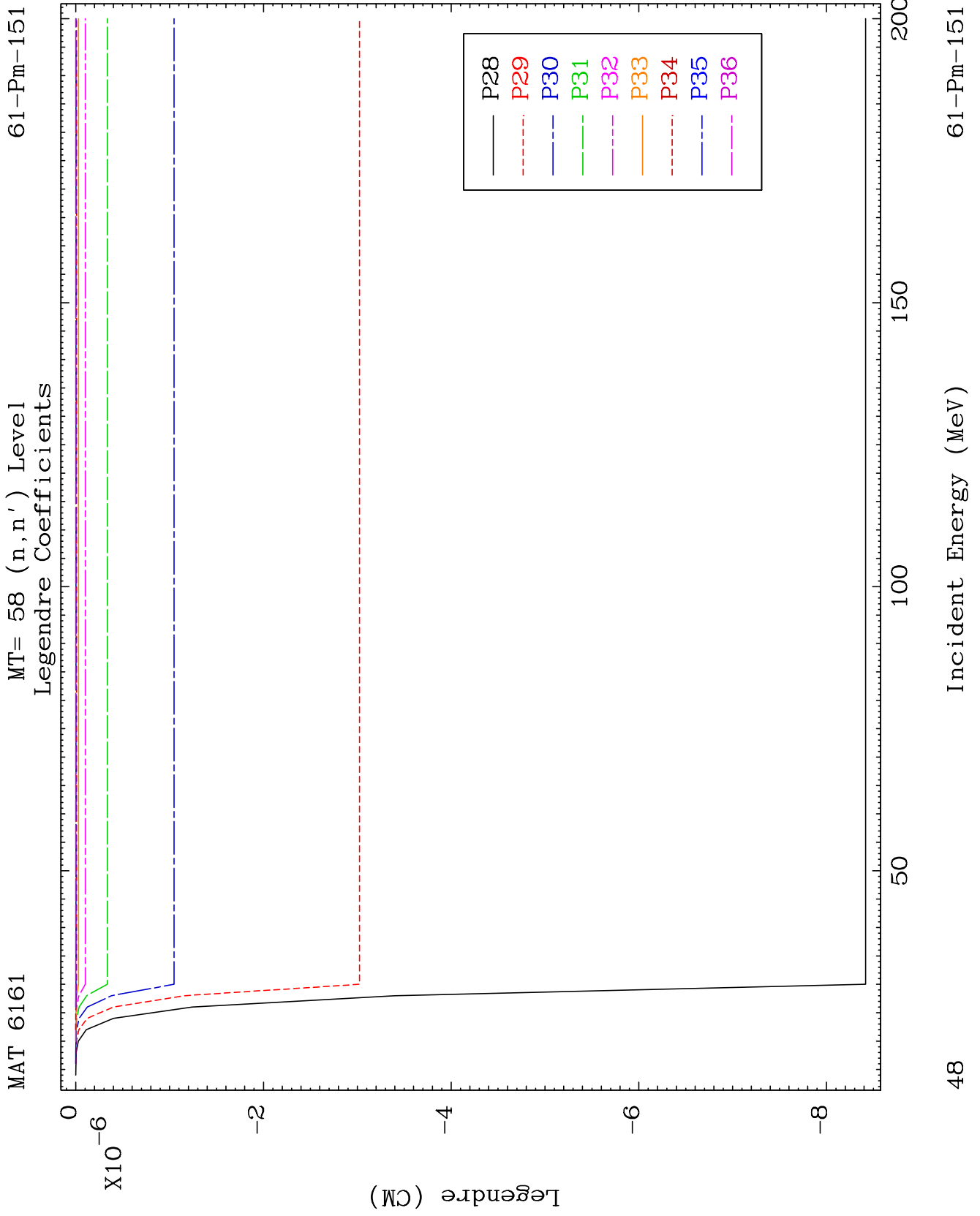


47

Incident Energy (MeV)

61-Pm-151

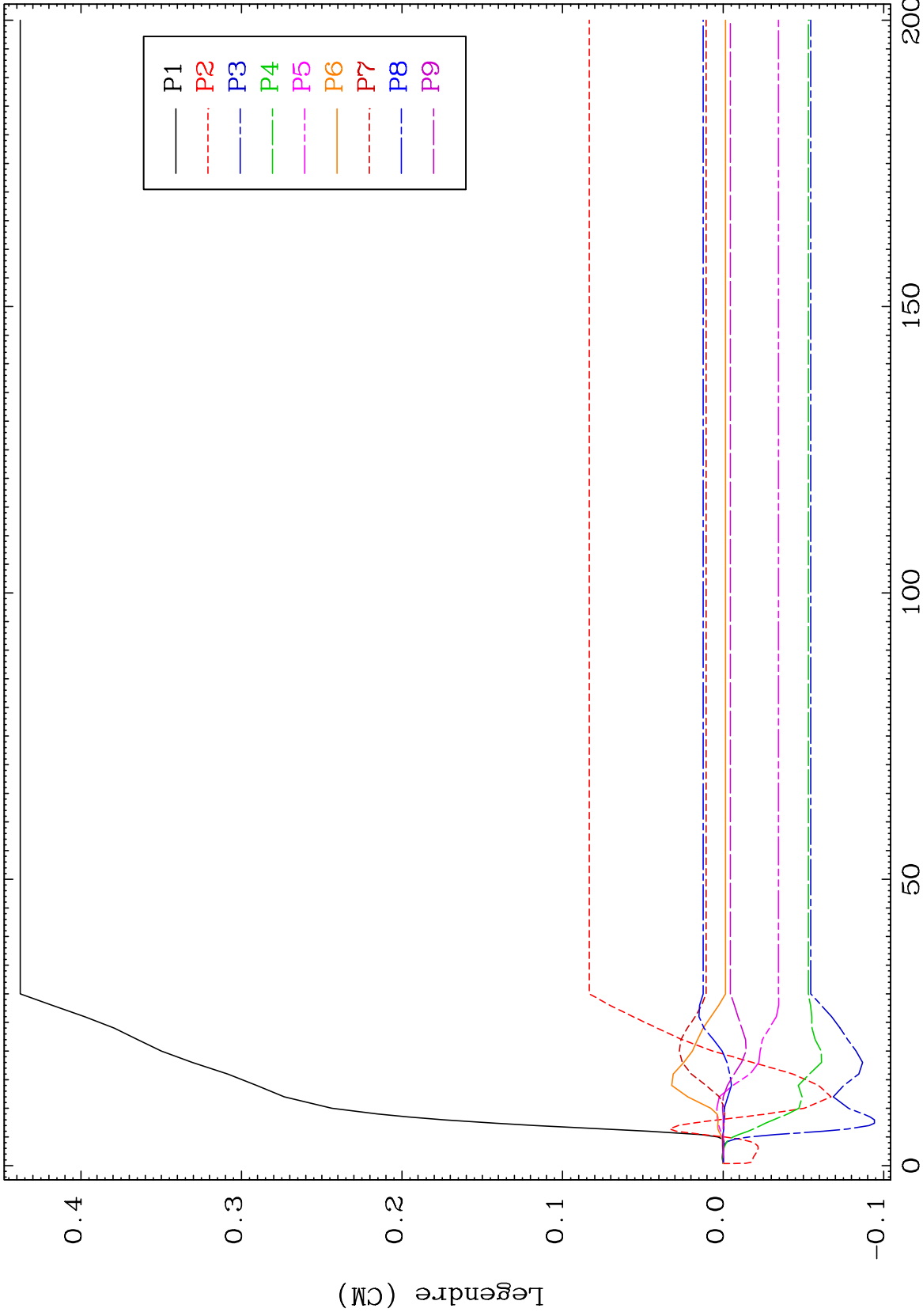




MAT 6161

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

61-Pm-151



49

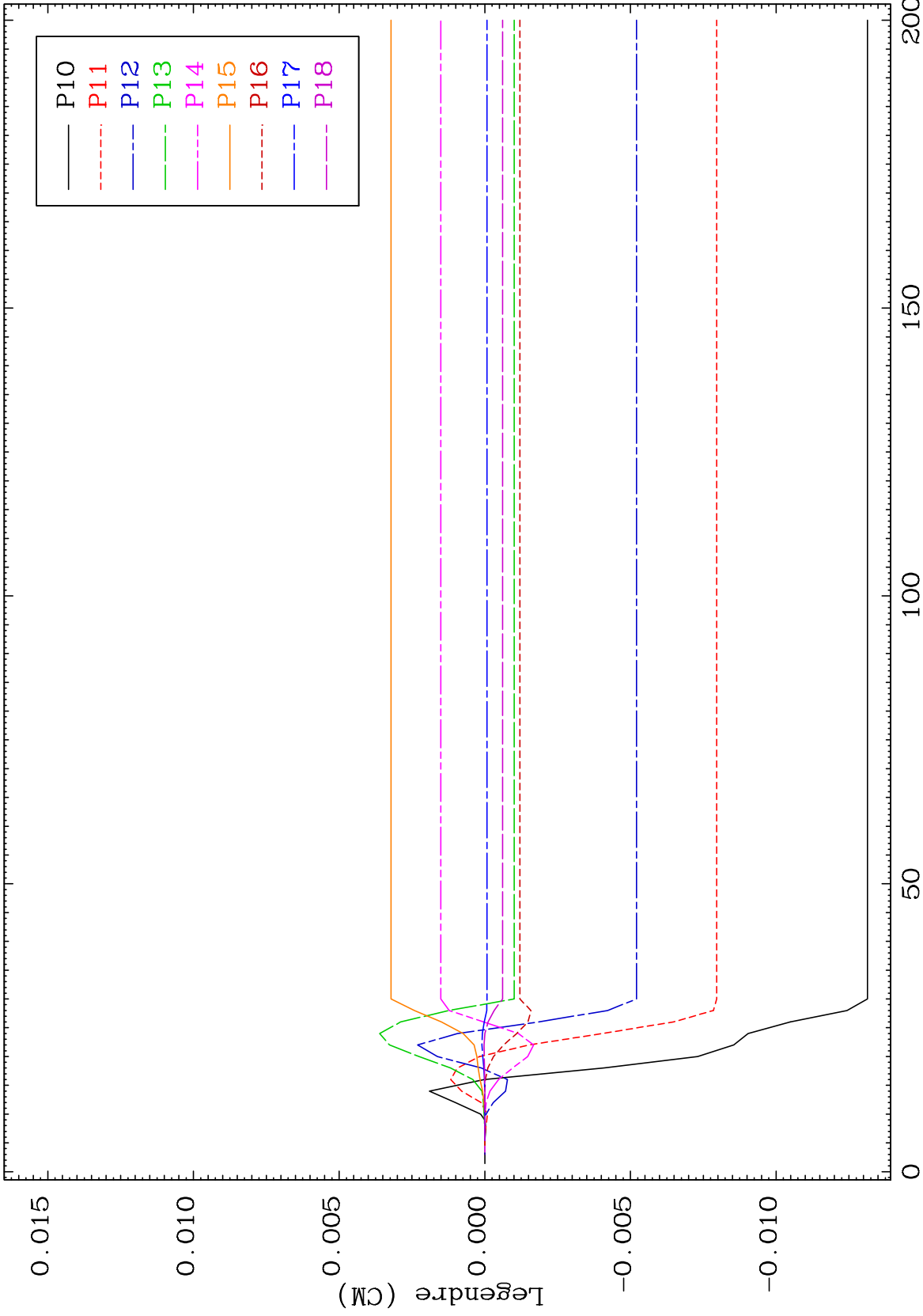
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



50

Incident Energy (MeV)

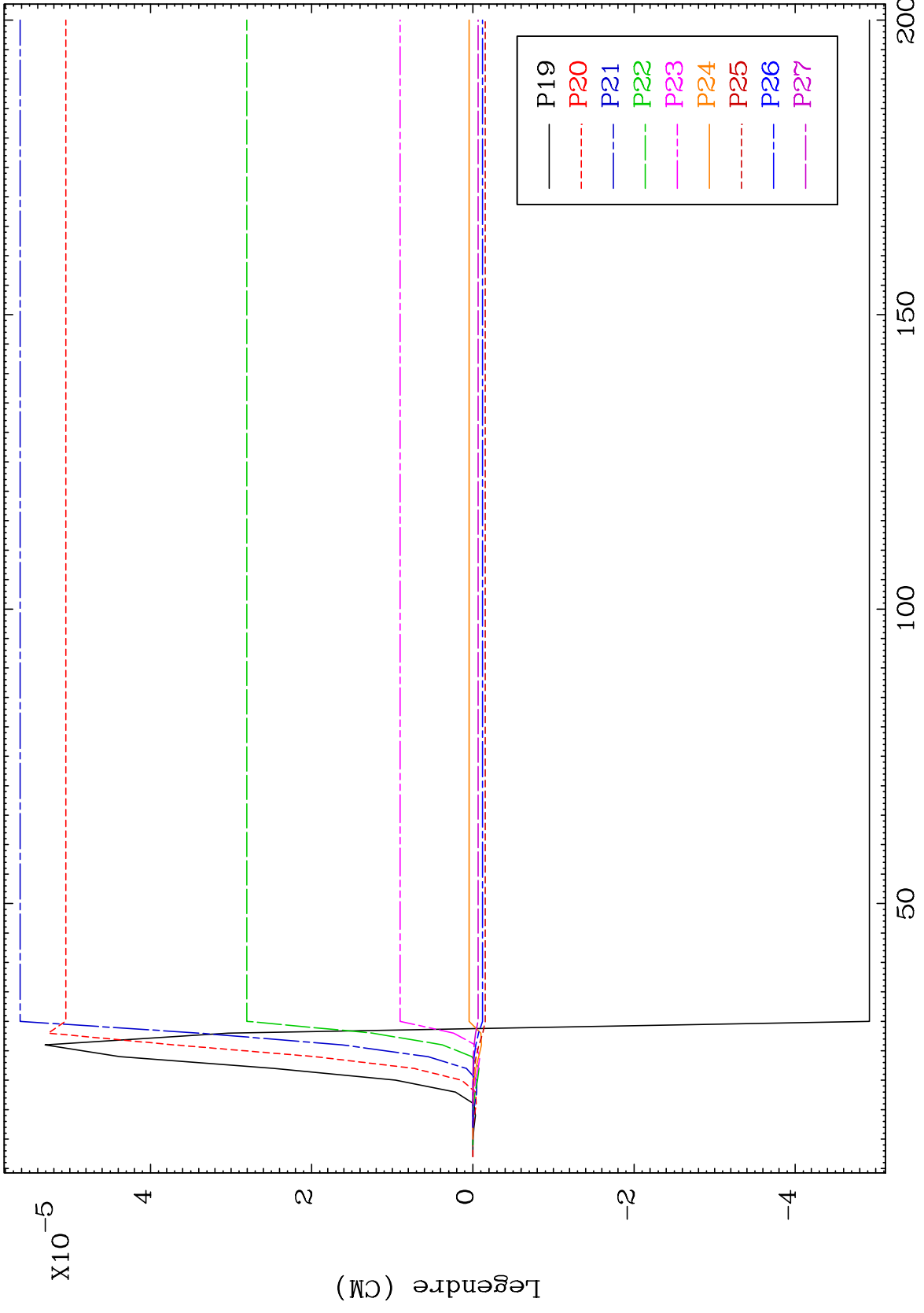
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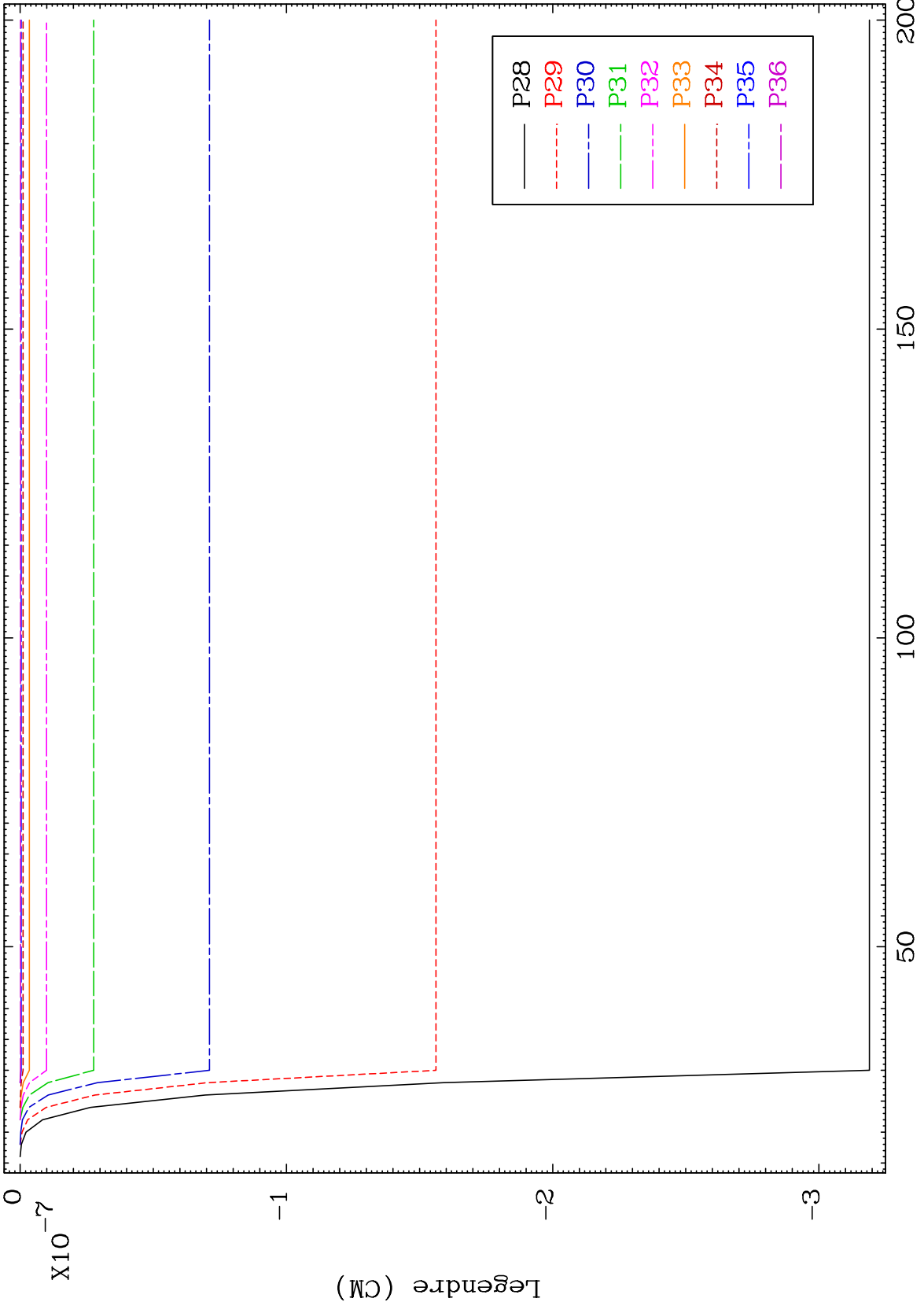
61-Pm-151

MAT 6161 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-151



51 61-Pm-151

MAT 6161 MT= 59 (n,n') Level Legendre Coefficients 61-Pm-151

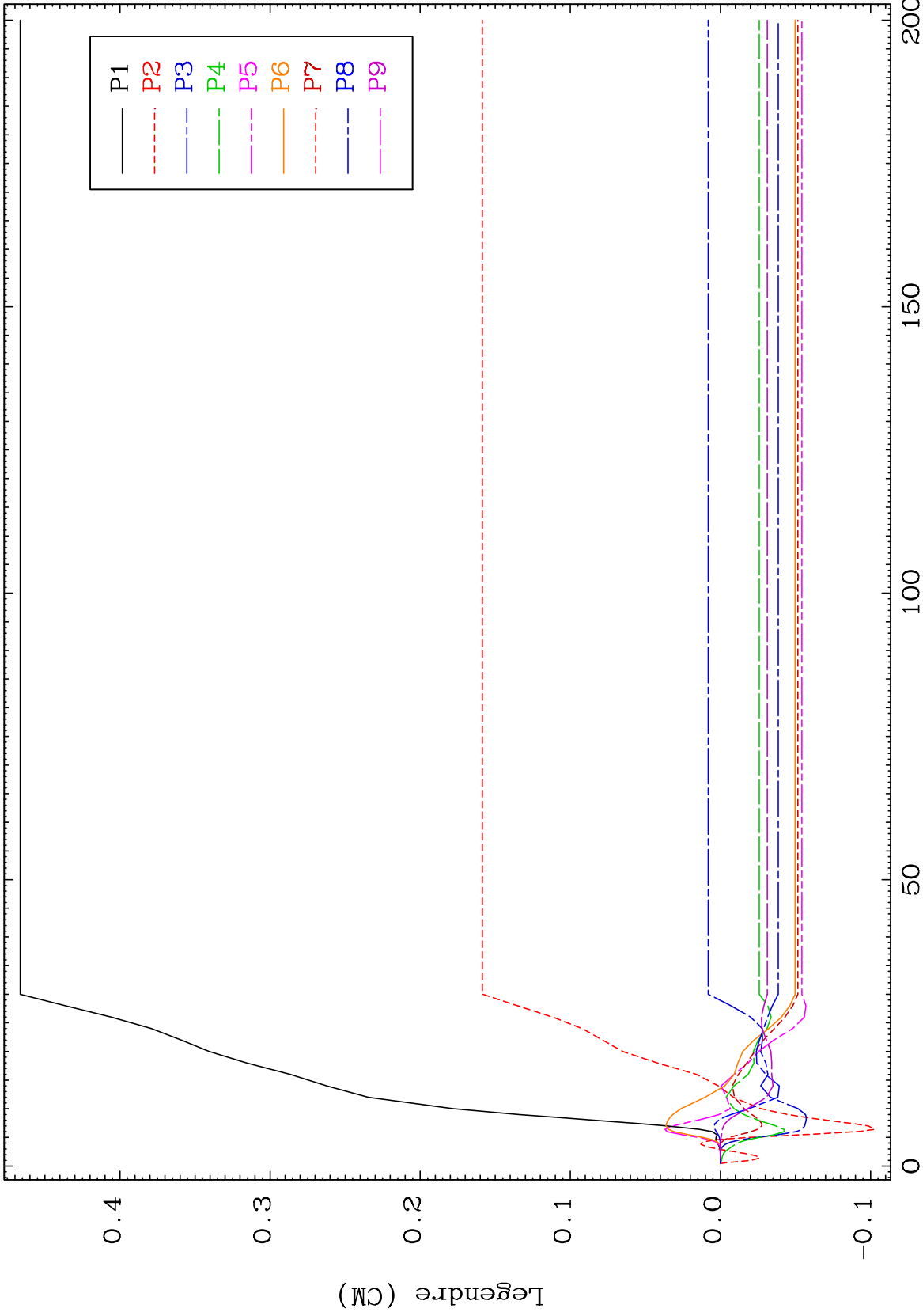


52 Incident Energy (MeV) 61-Pm-151

MAT 6161

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

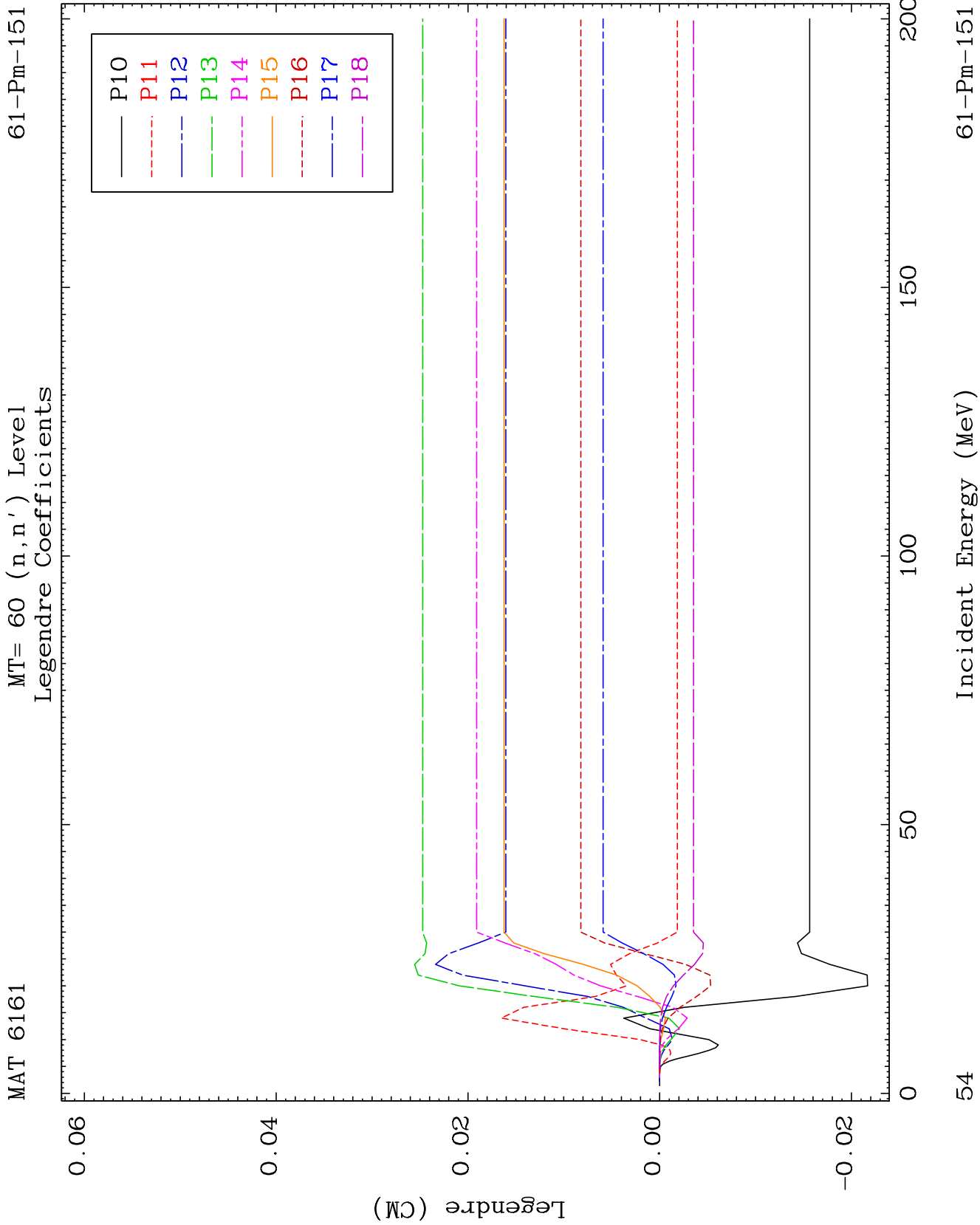
61-Pm-151



53

Incident Energy (MeV)

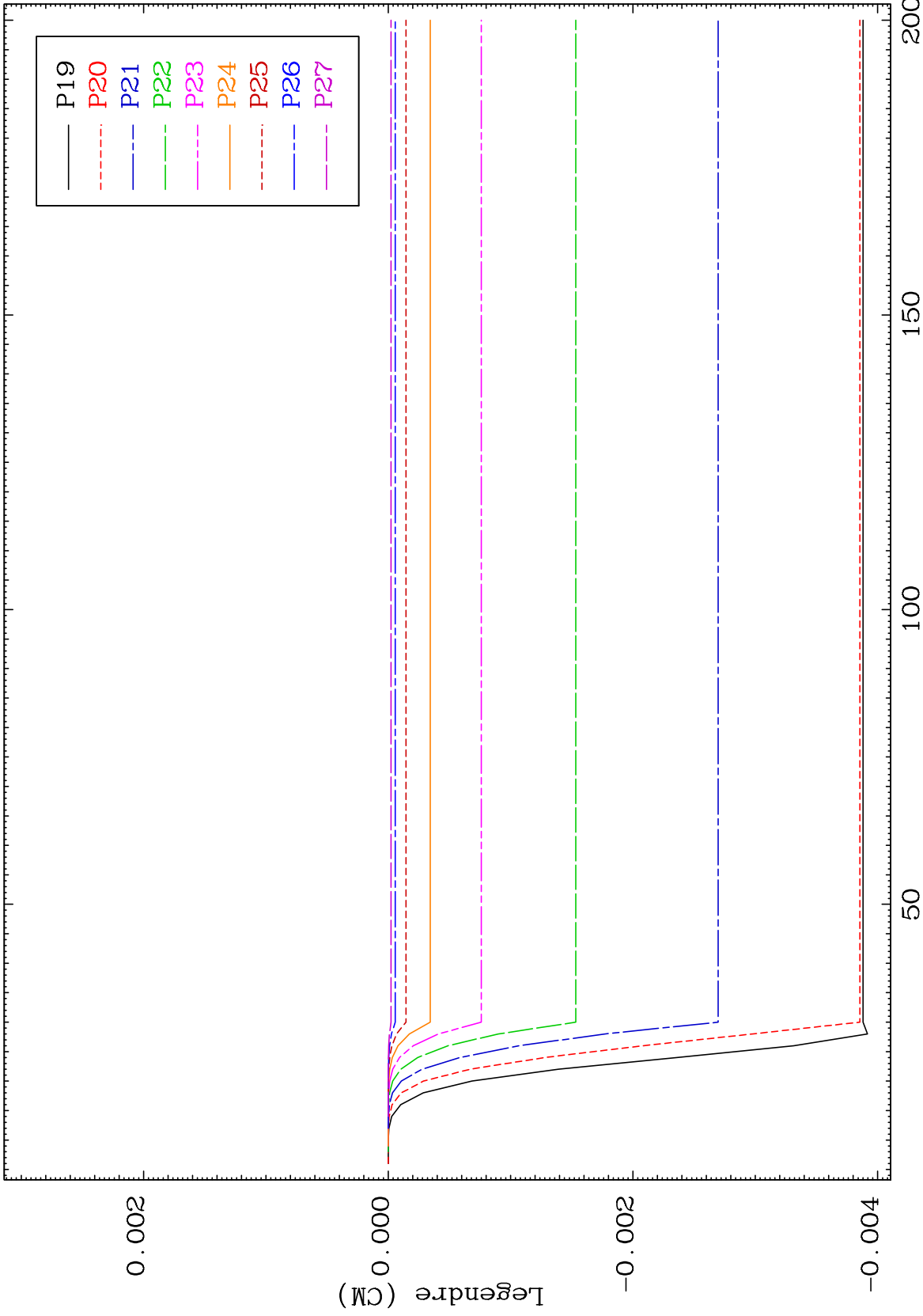
61-Pm-151



MAT 6161

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

61-Pm-151

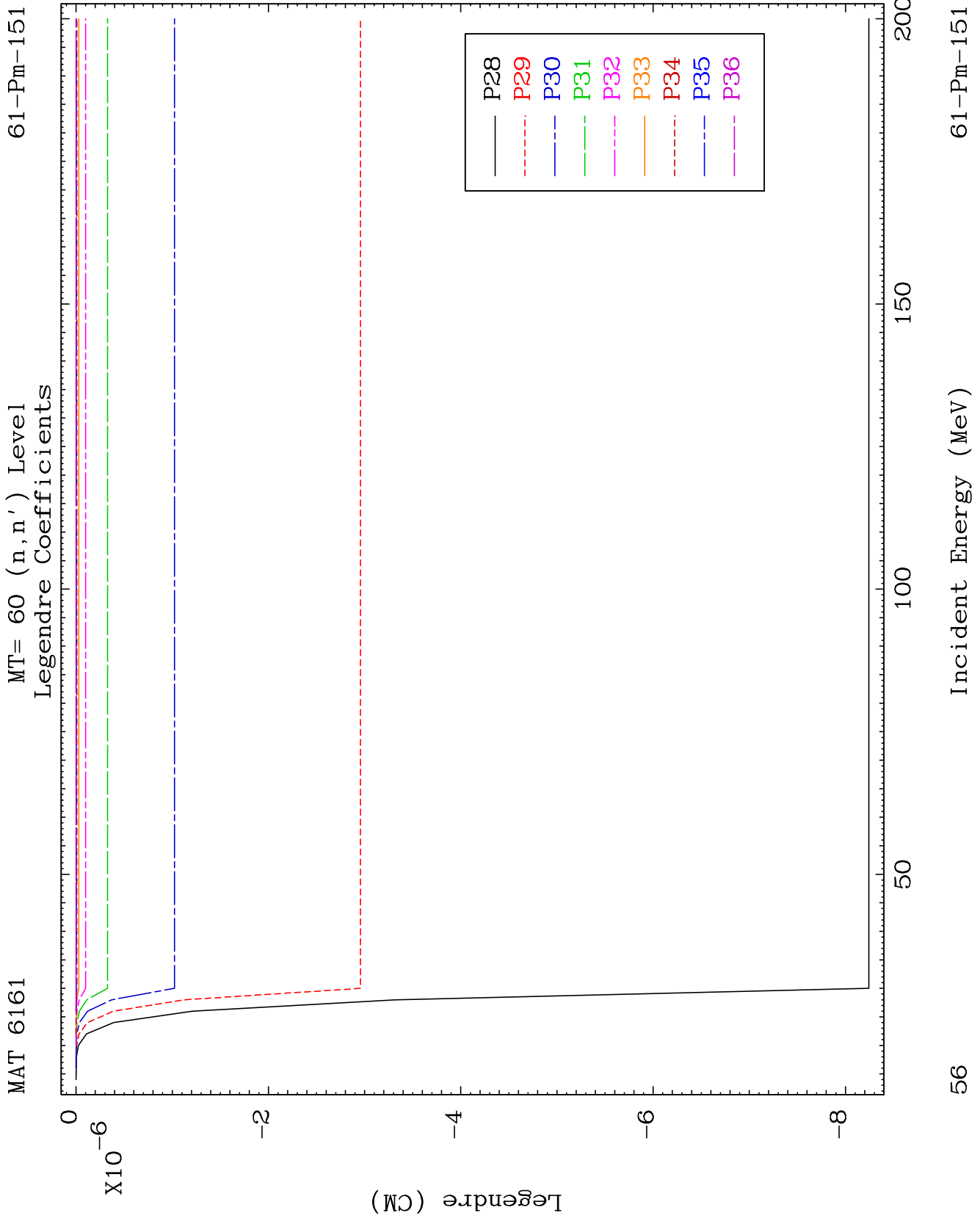


55

Incident Energy (MeV)

61-Pm-151

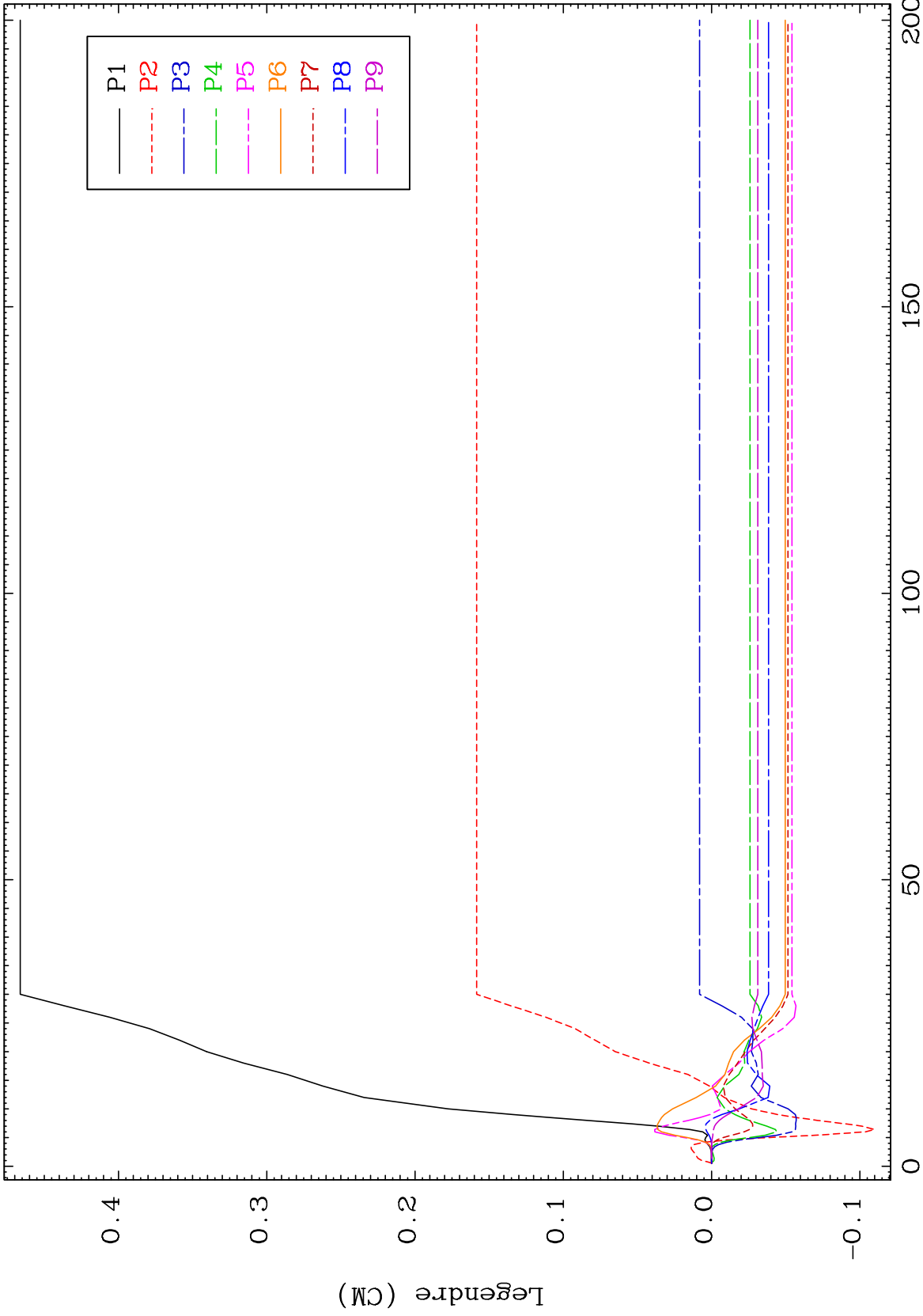




MAT 6161

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

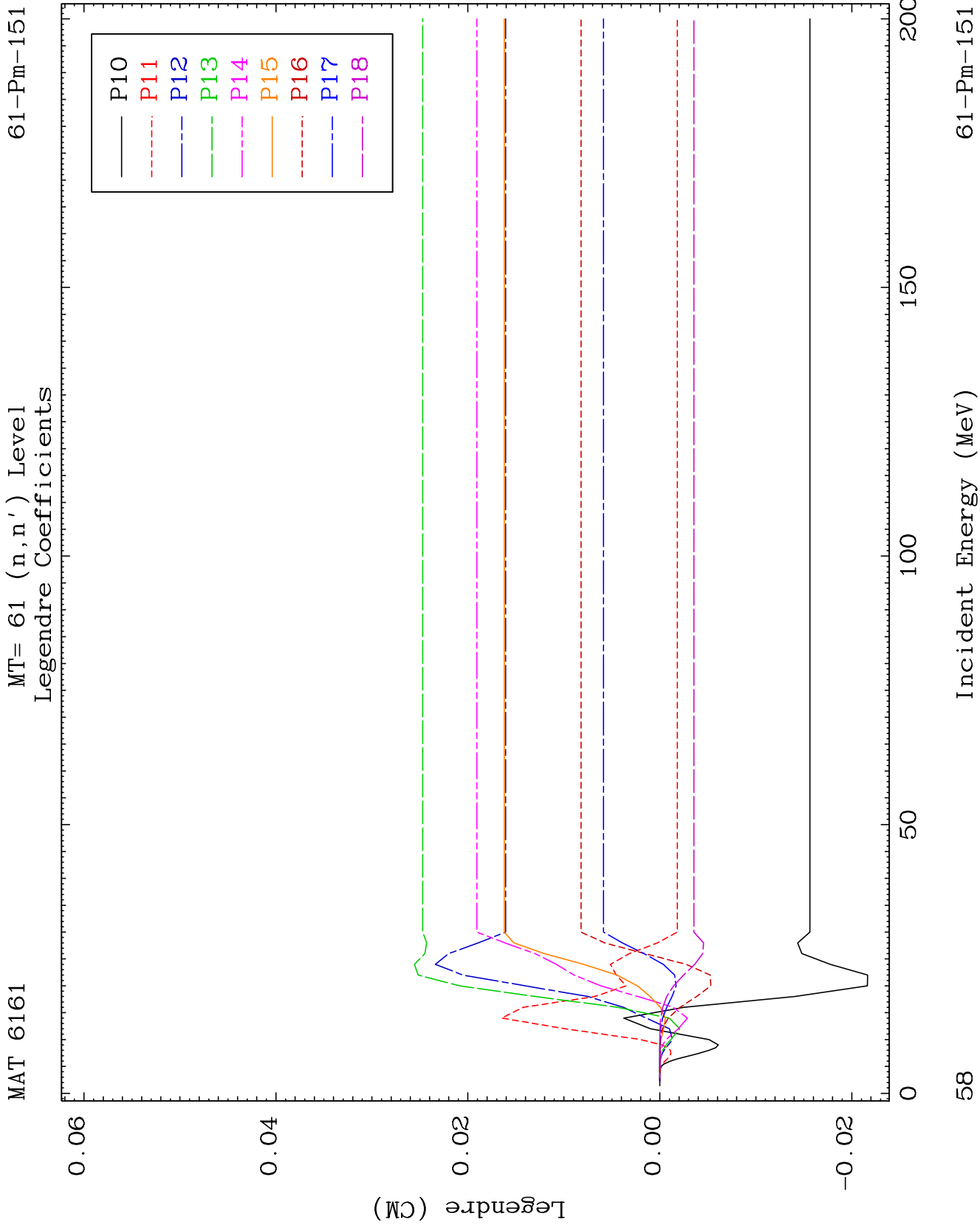
61-Pm-151



57

Incident Energy (MeV)

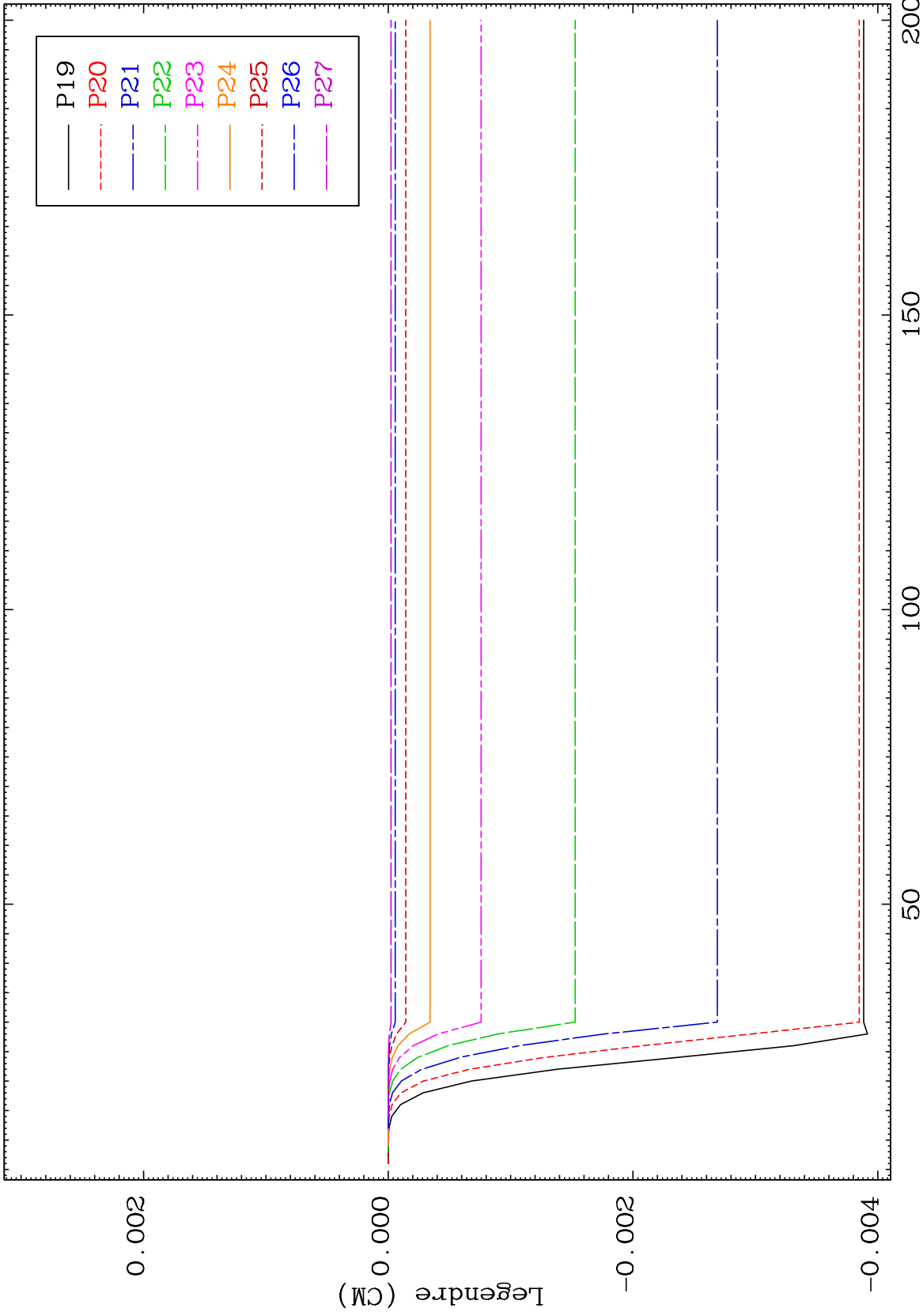
61-Pm-151



MAT 6161

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

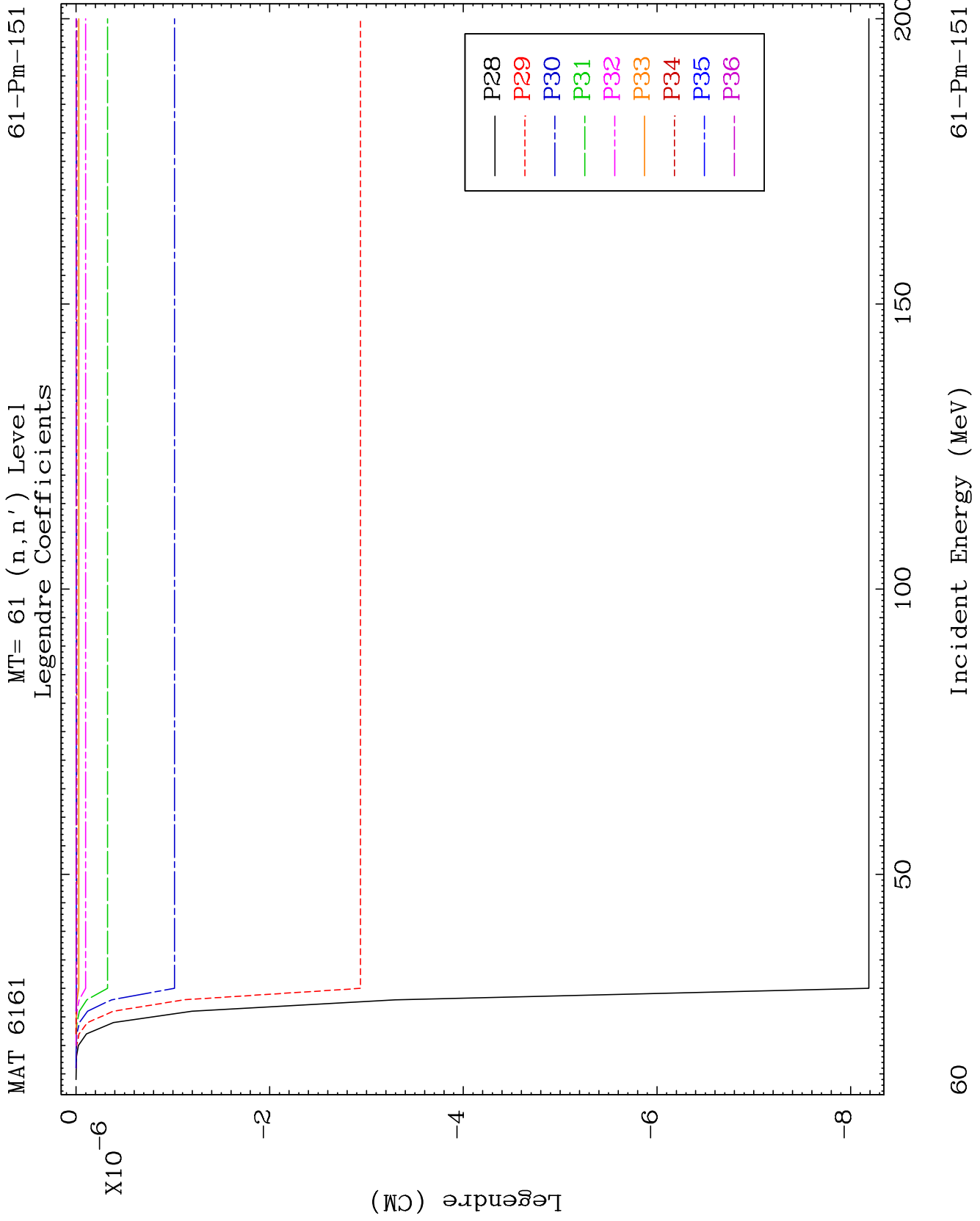
61-Pm-151

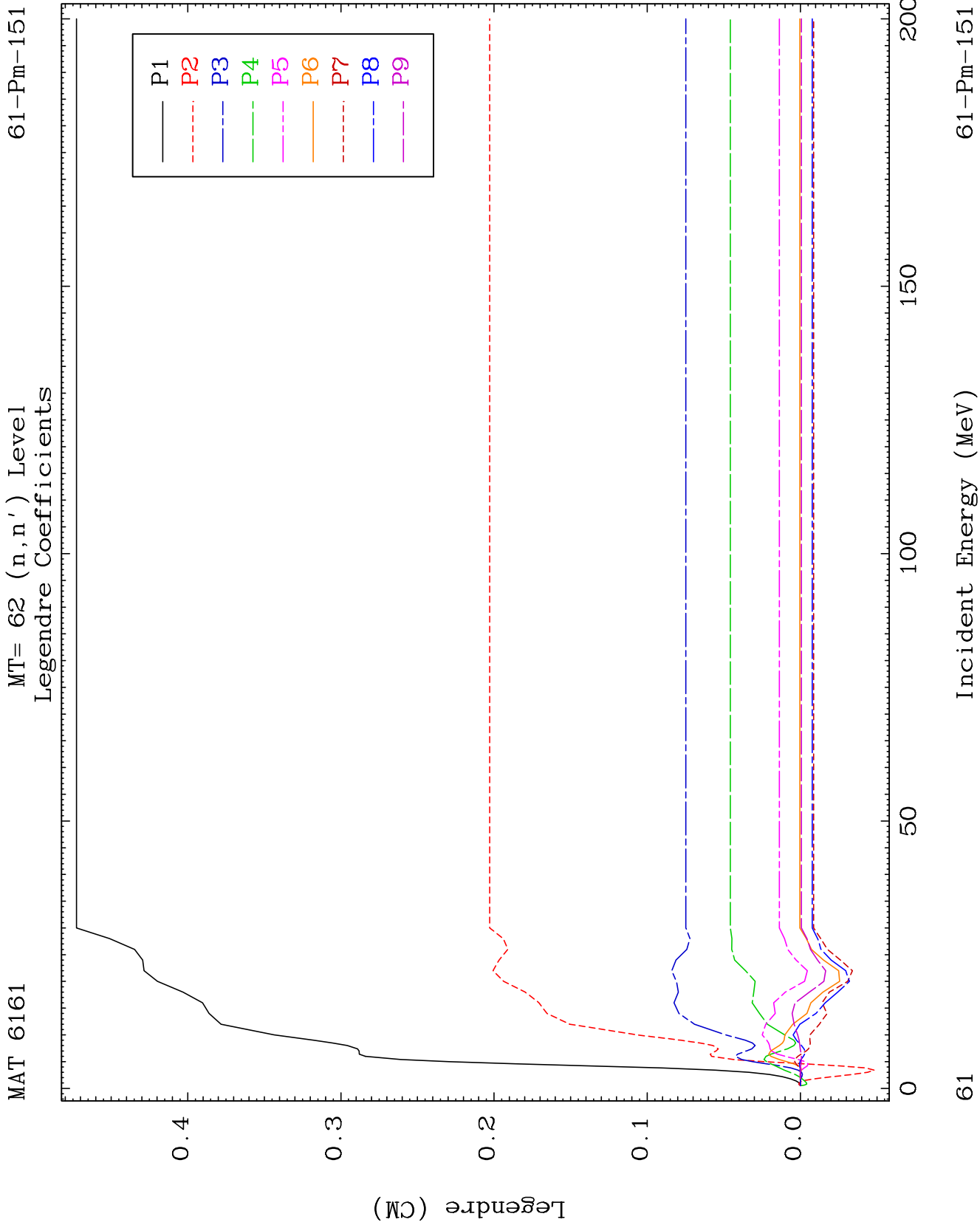


59

Incident Energy (MeV)

61-Pm-151

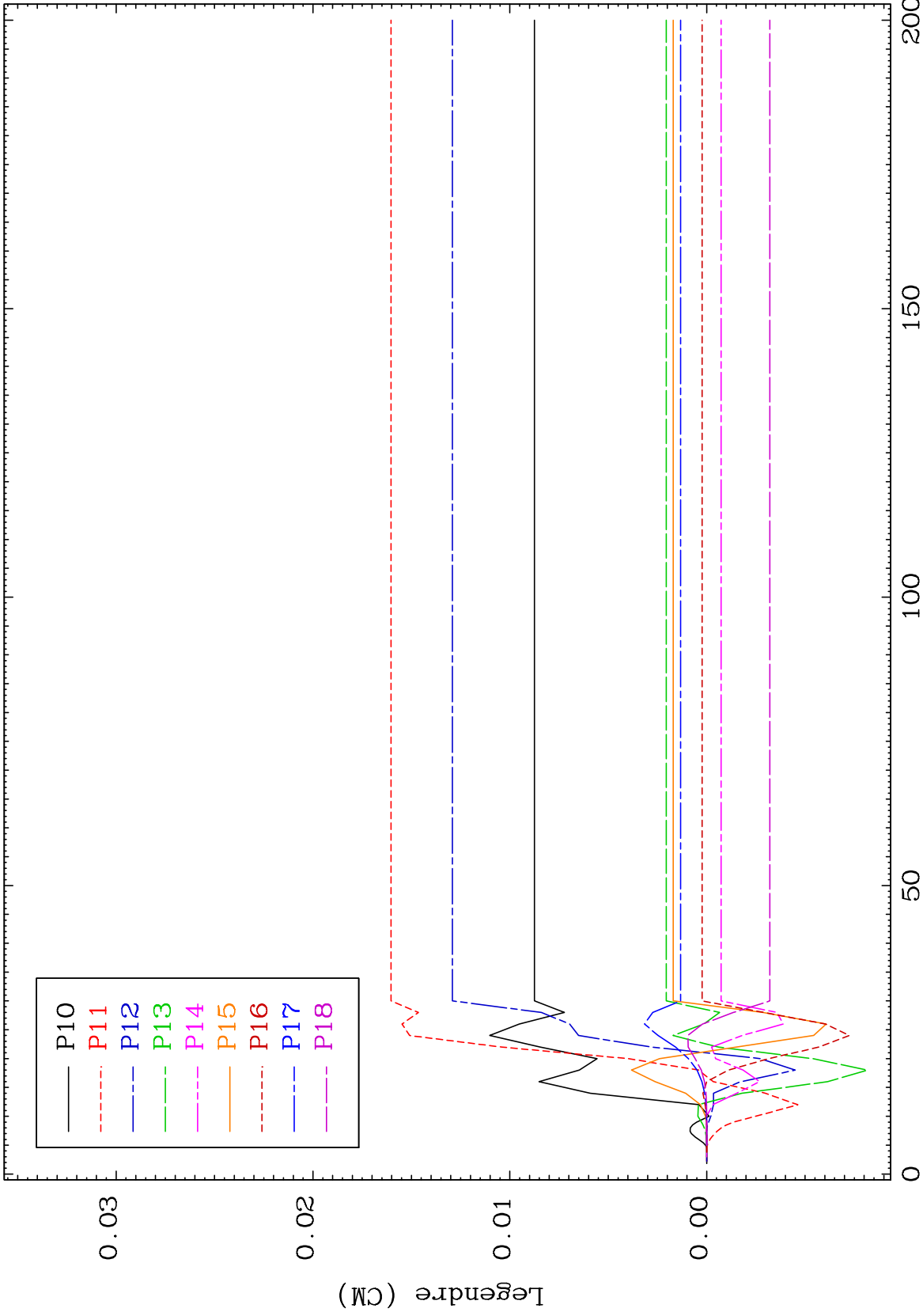




MAT 6161

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

61-Pm-151



62

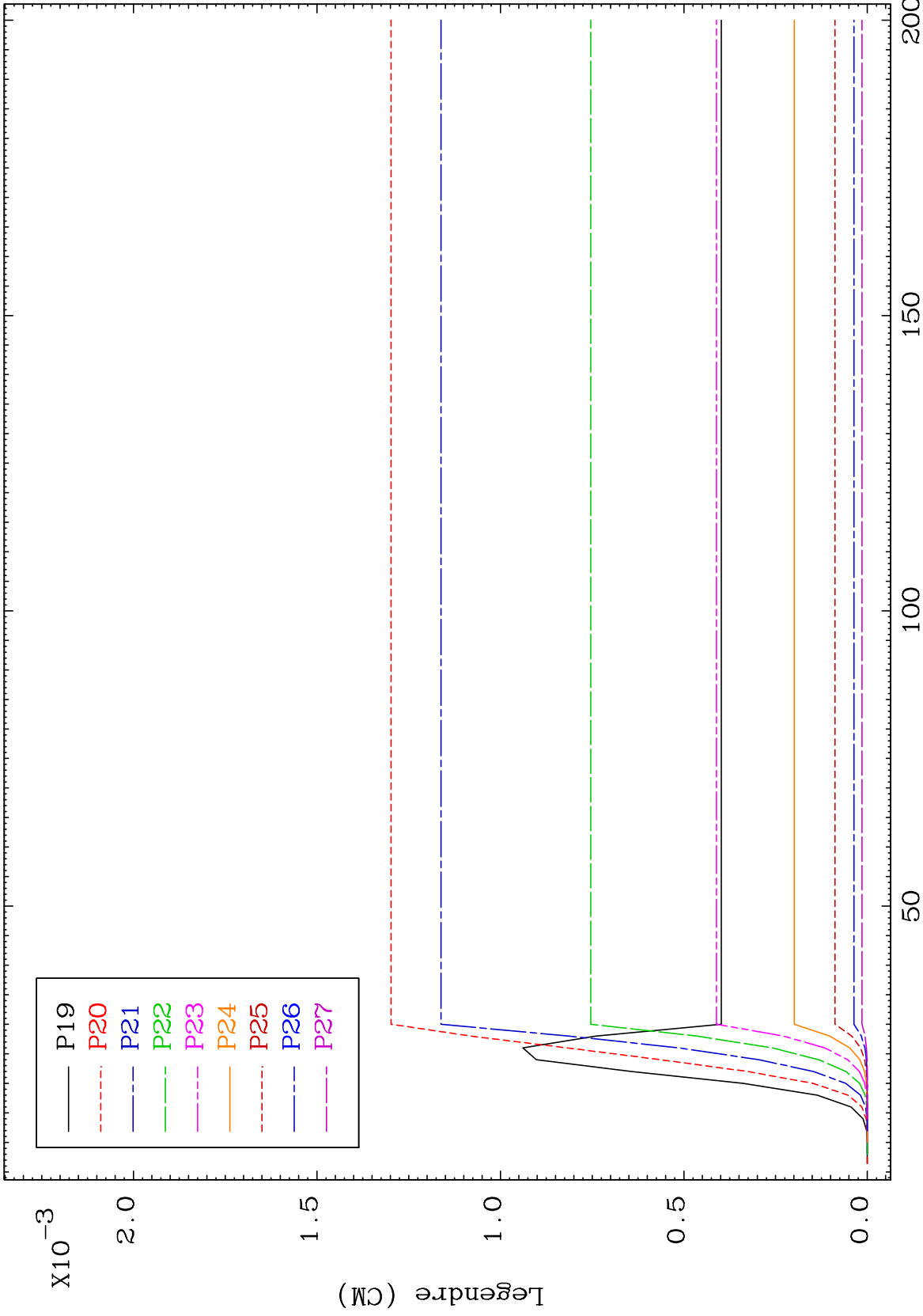
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



63

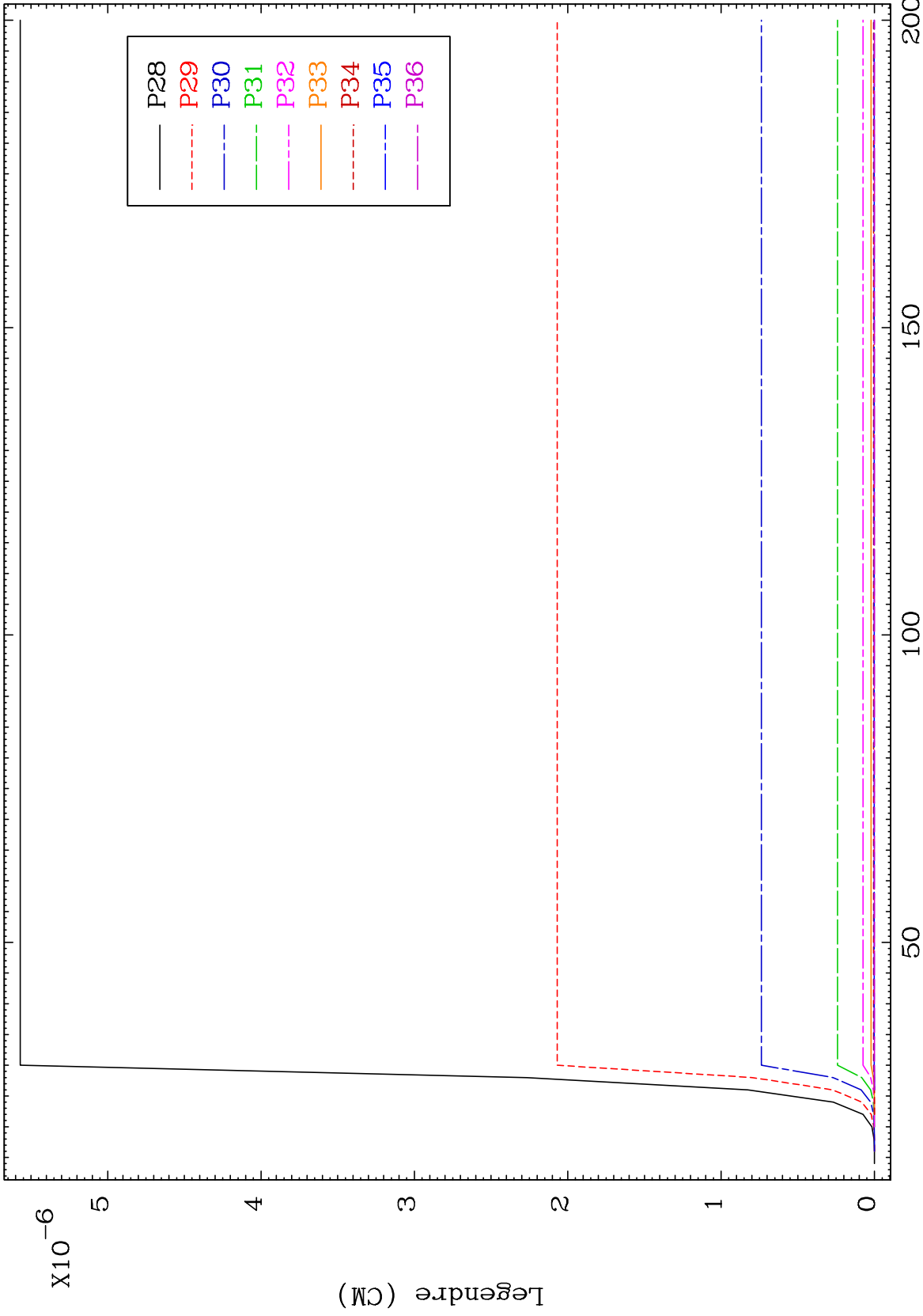
61-Pm-151



MAT 6161

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

61-Pm-151



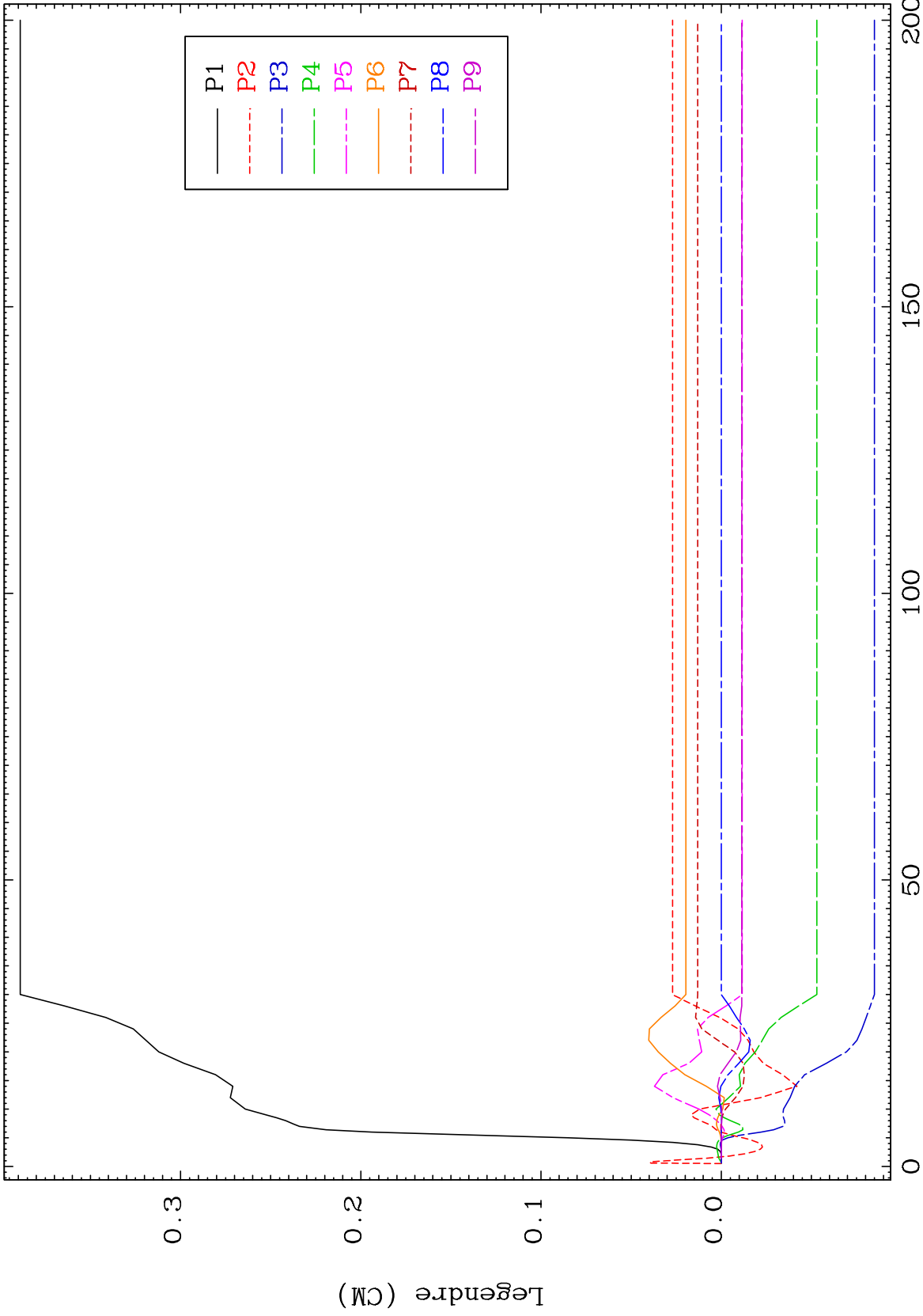
64

61-Pm-151

MAT 6161

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

61-Pm-151



65

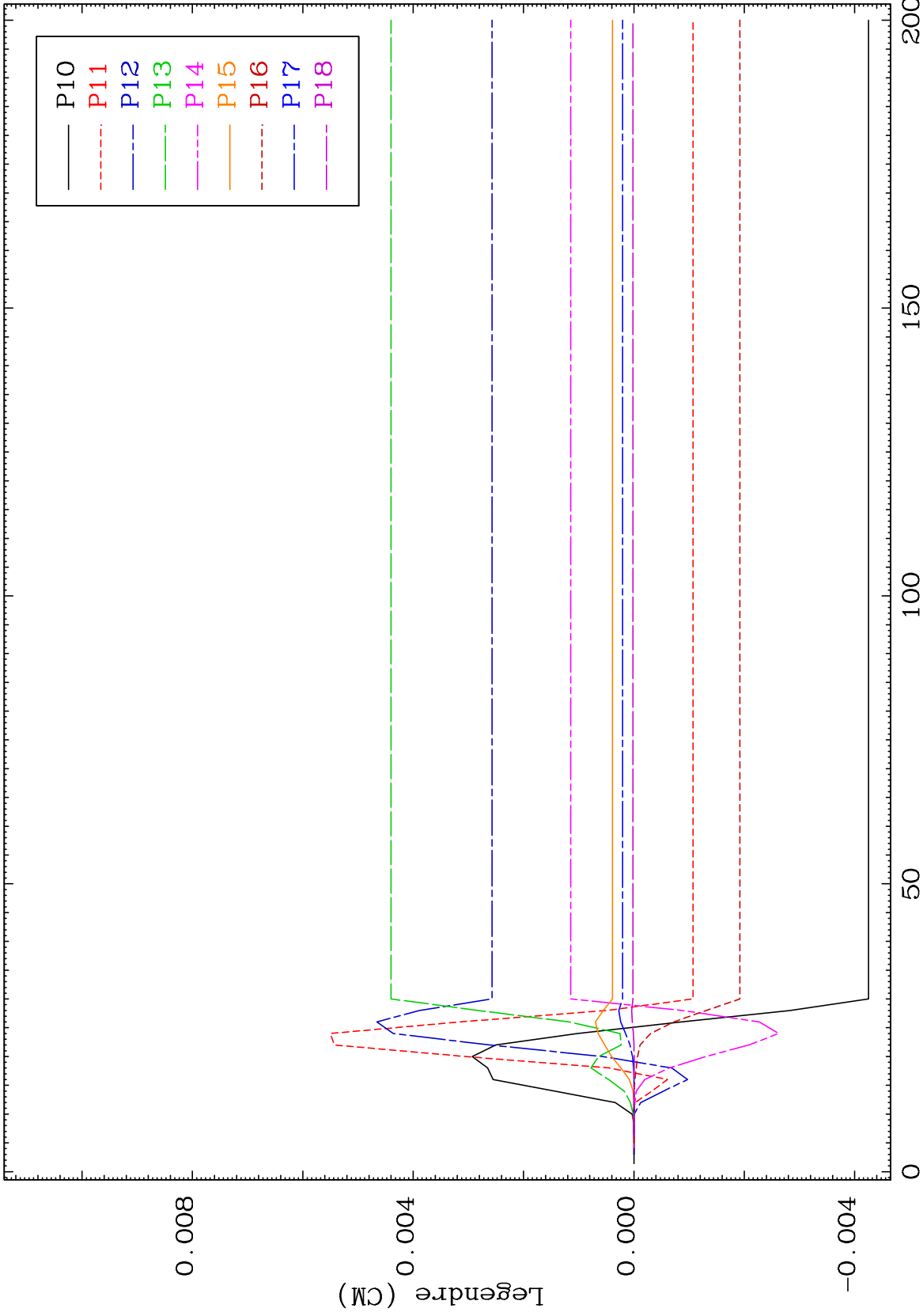
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



66

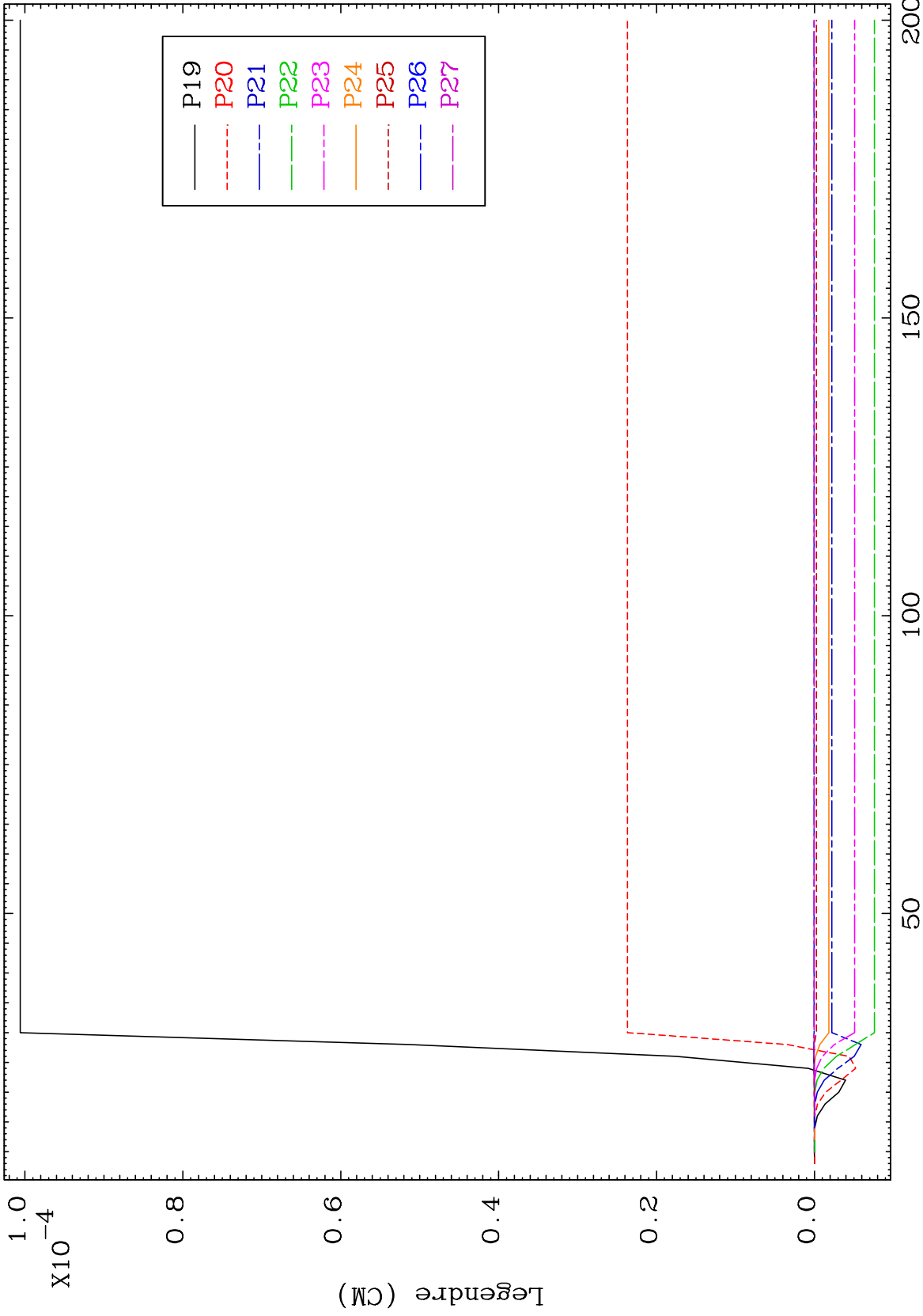
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



67

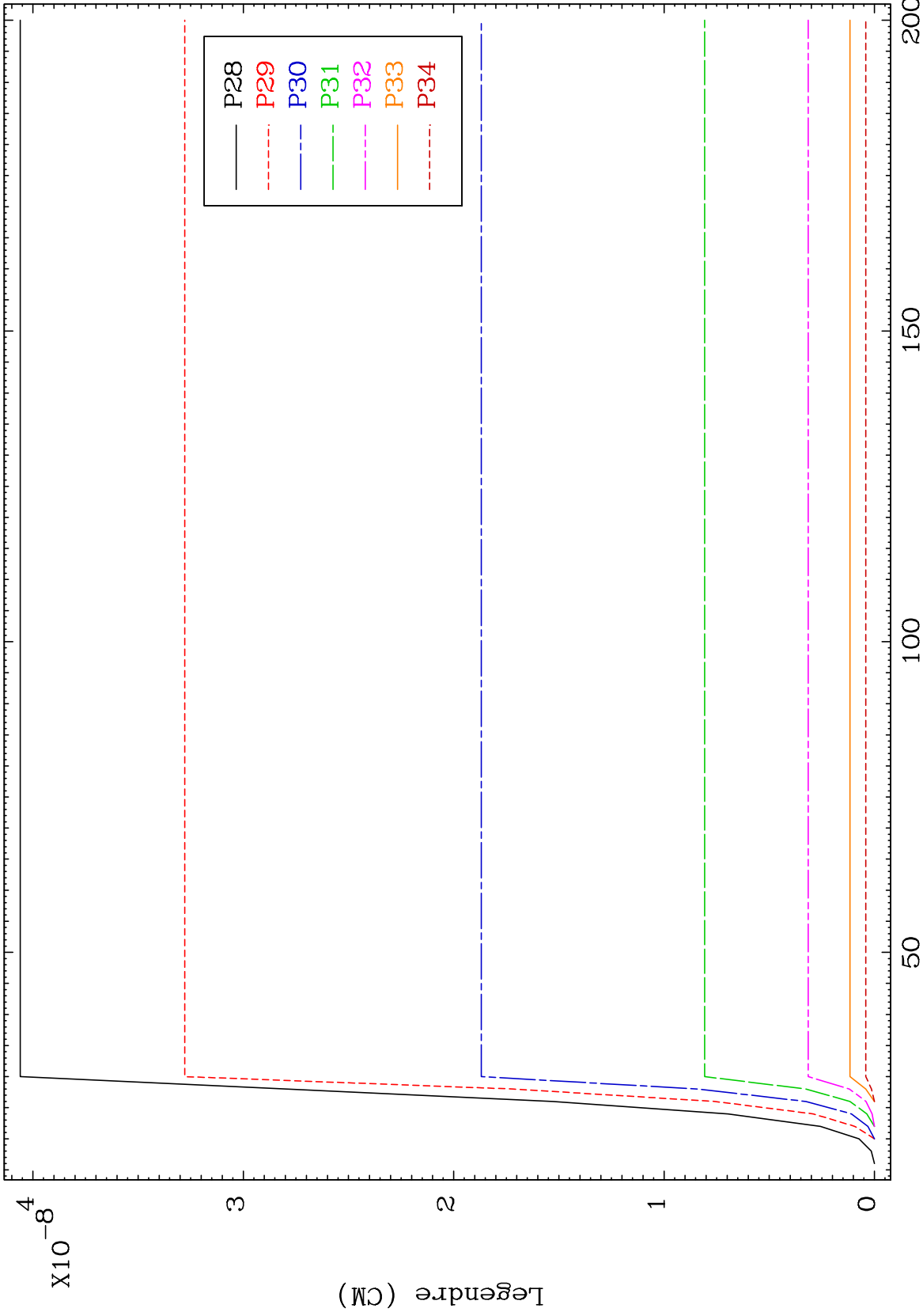
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151

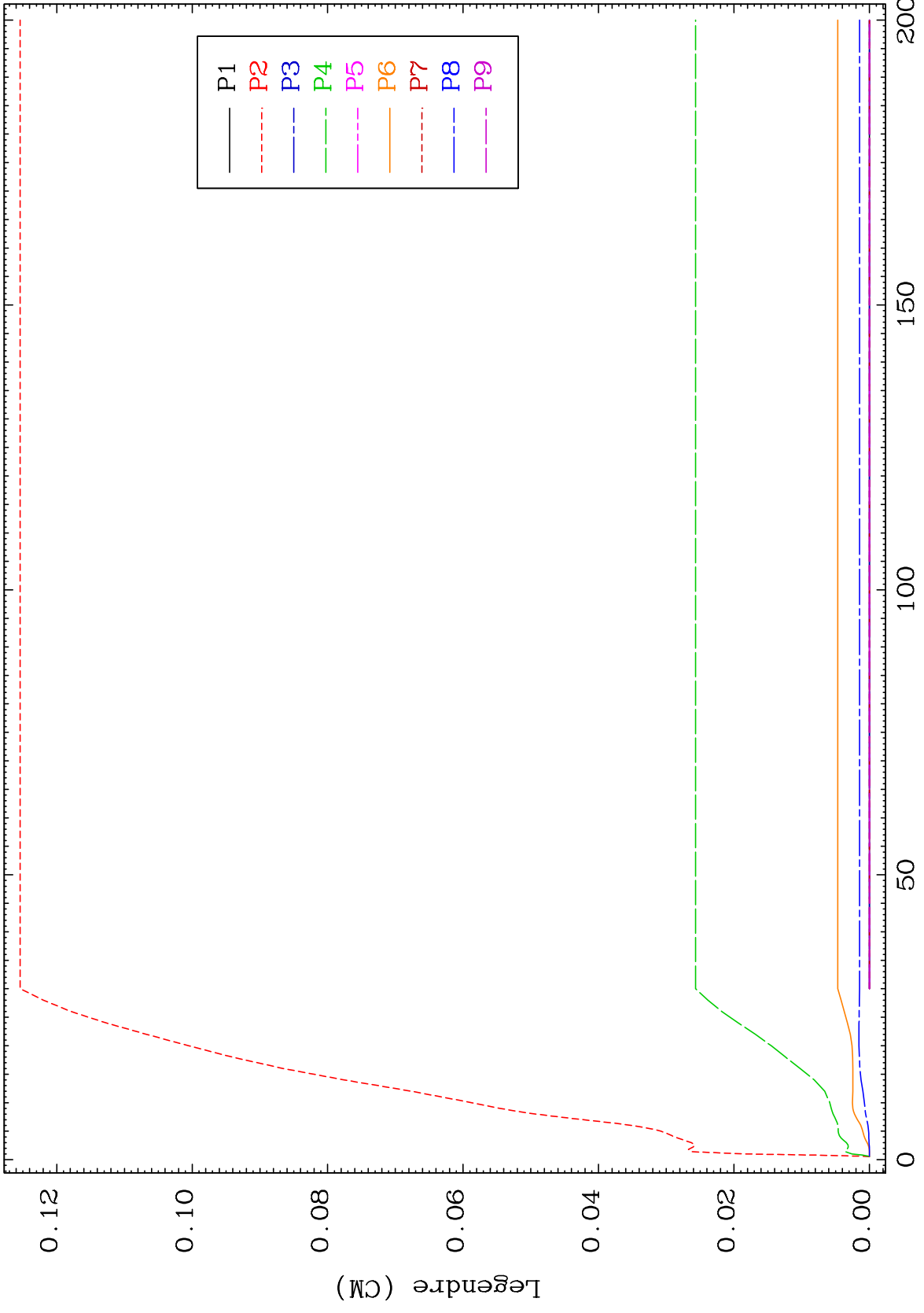


68

Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 64 (n,n') Level Legendre Coefficients 61-Pm-151

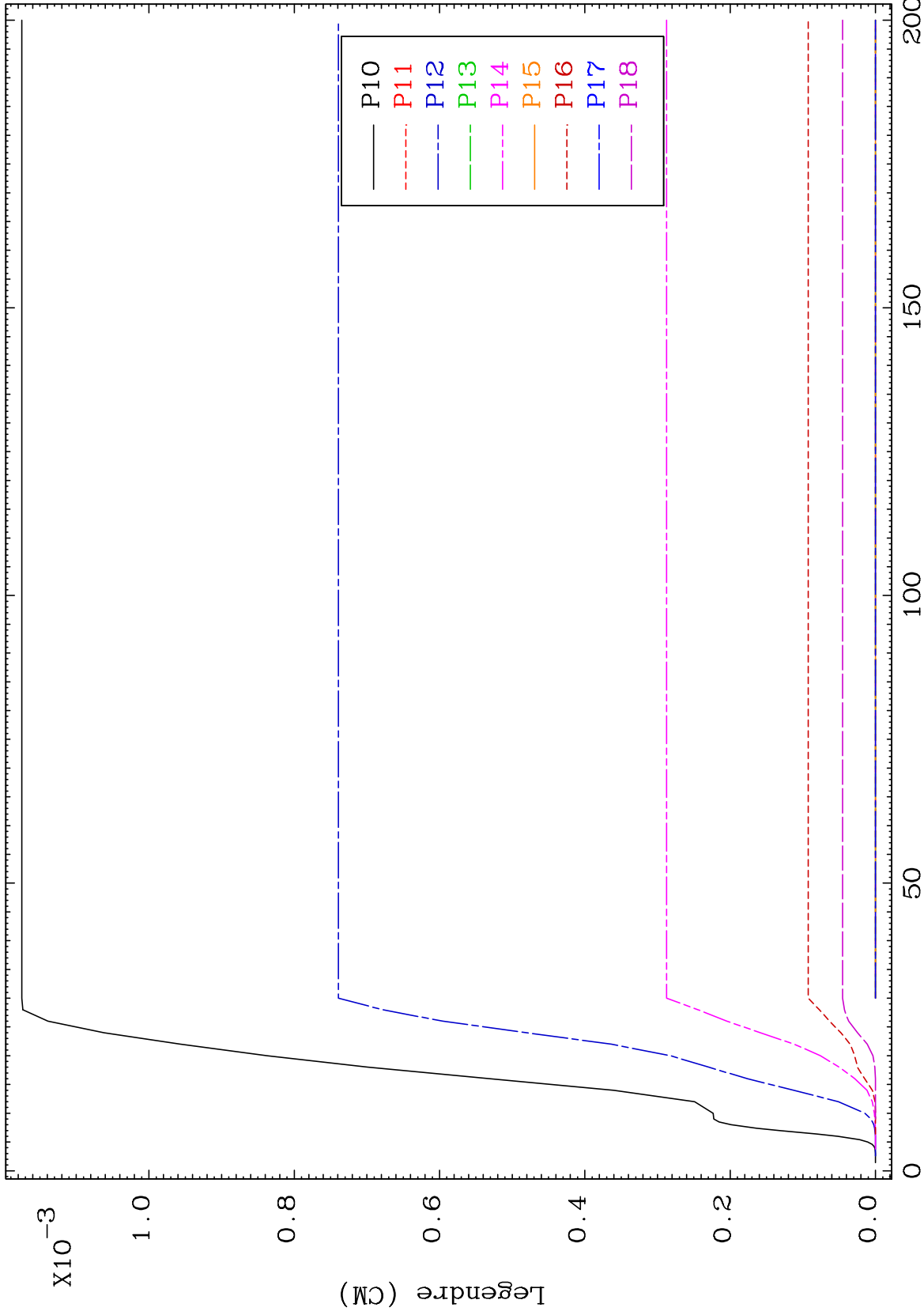


69 Incident Energy (MeV) 61-Pm-151

MAT 6161

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

61-Pm-151



70

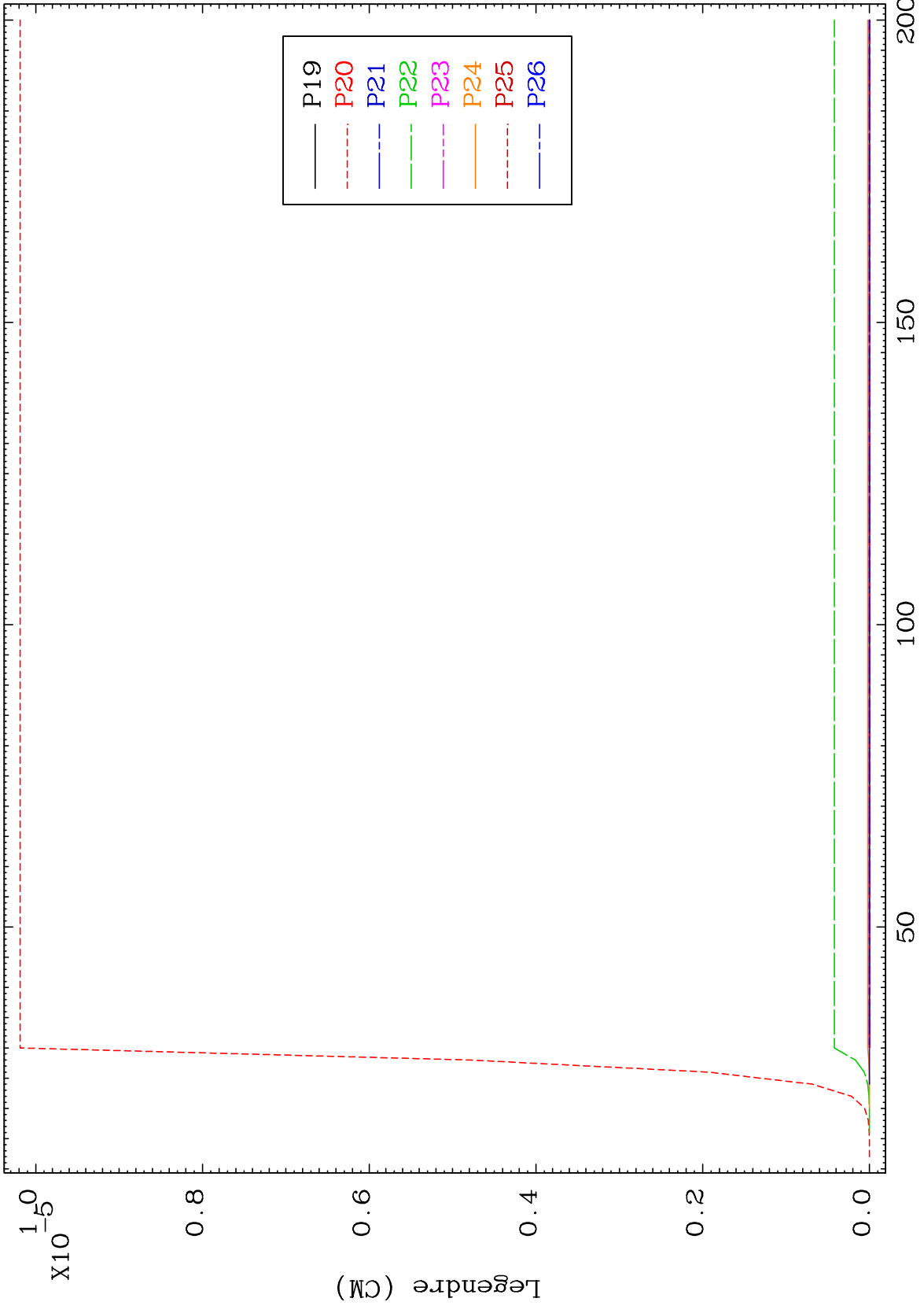
Incident Energy (MeV)

150

61-Pm-151

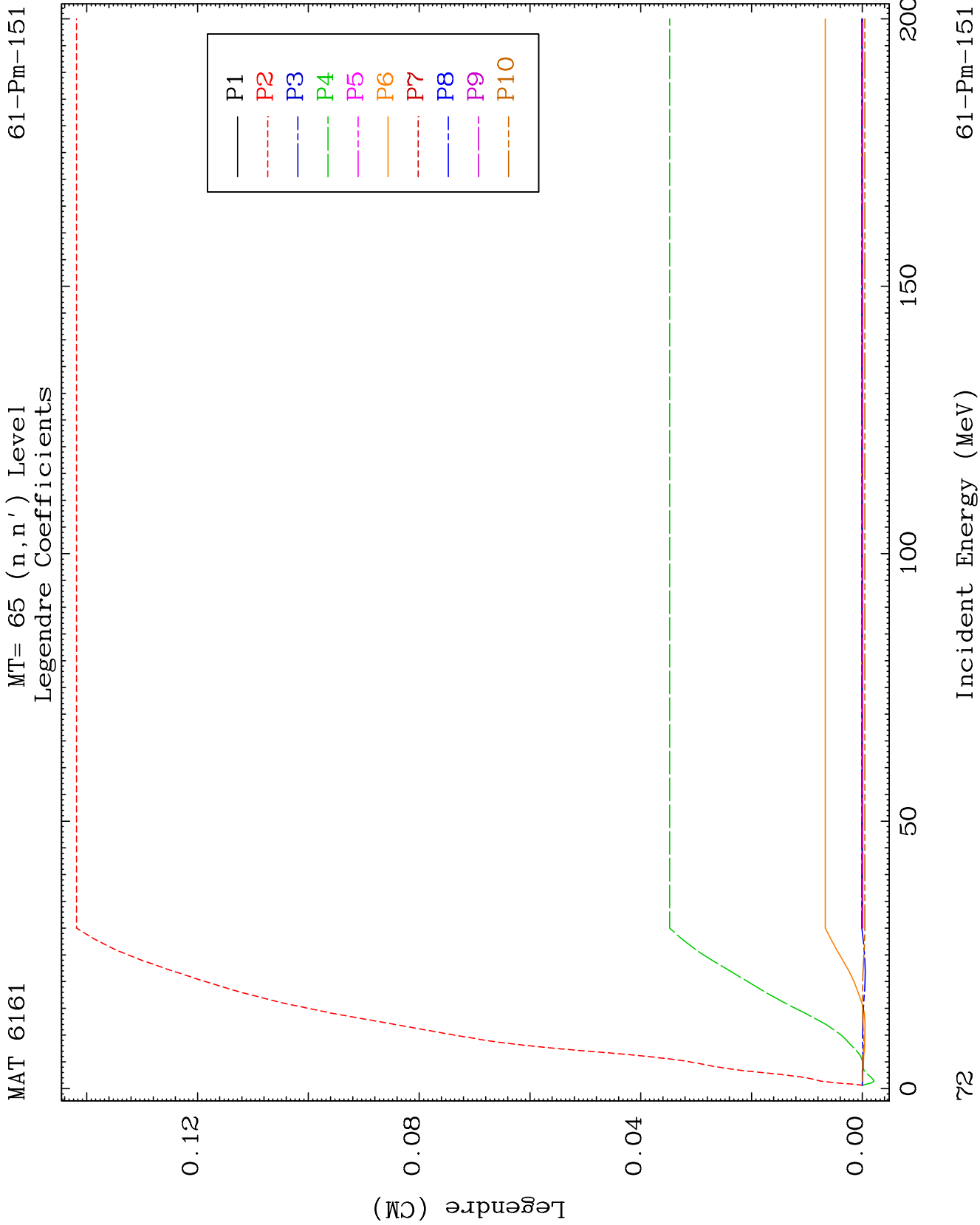
200

MAT 6161 MT= 64 (n,n') Level Legendre Coefficients 61-Pm-151

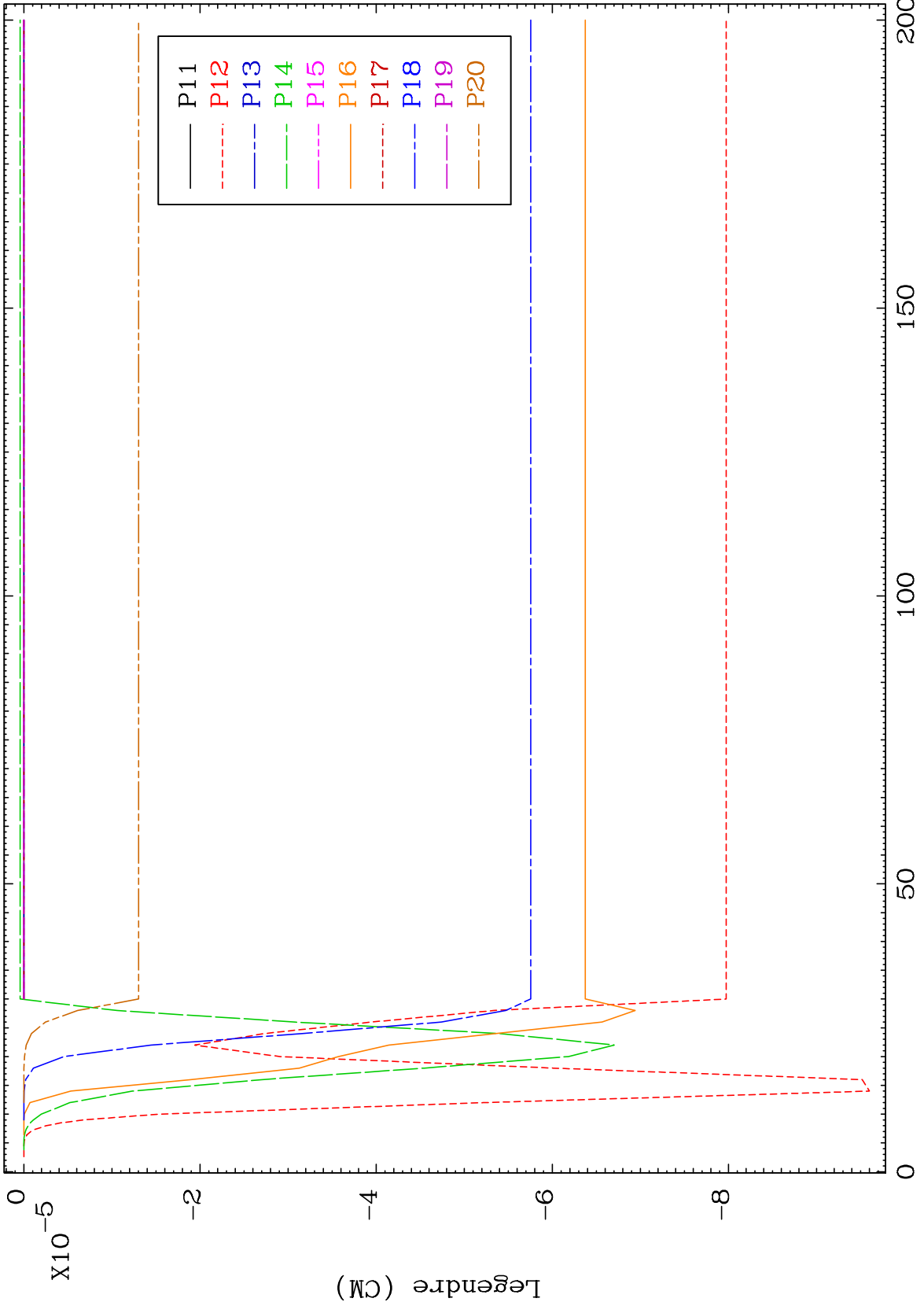


71 61-Pm-151



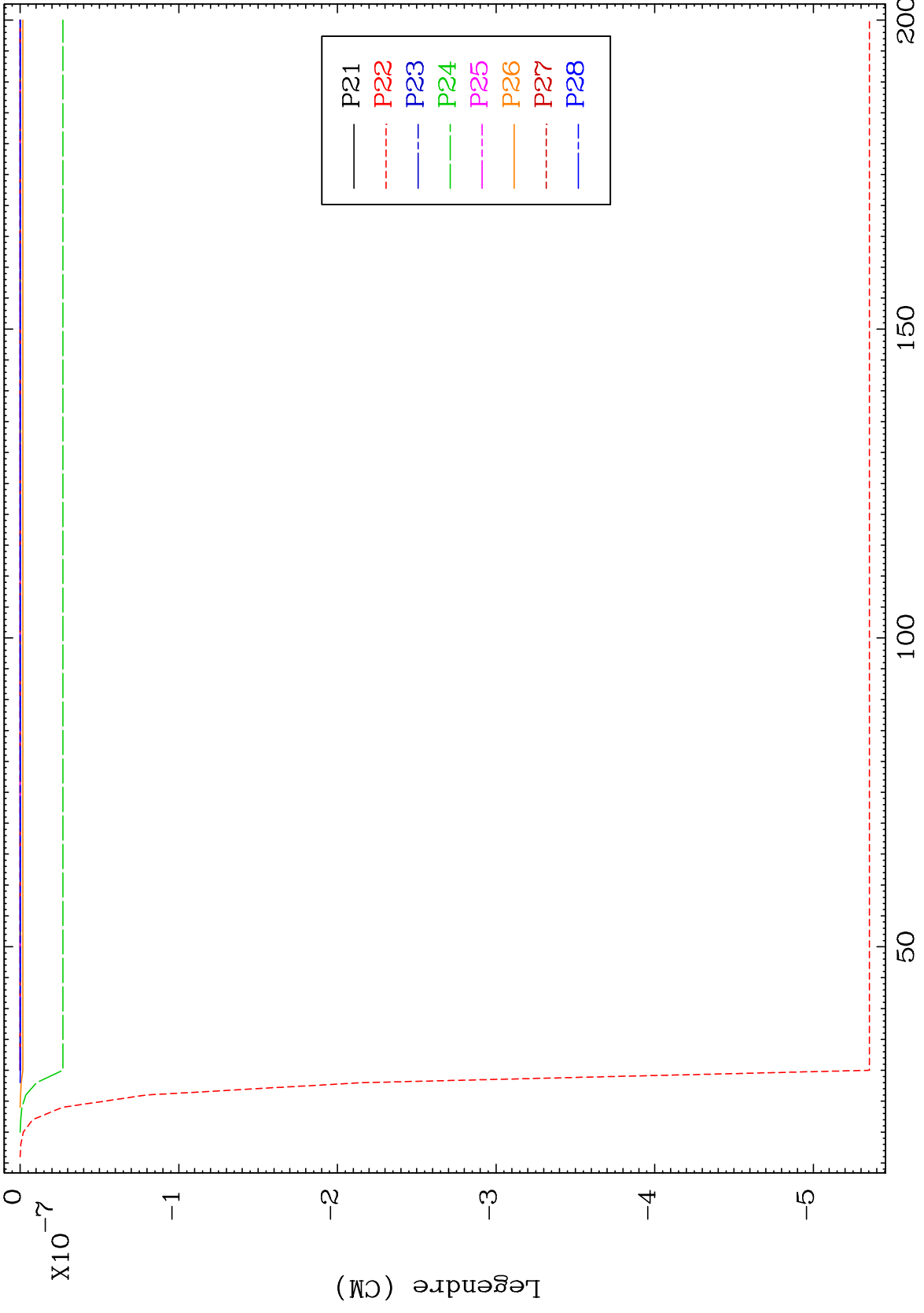


MAT 6161 MT= 65 (n,n') Level Legendre Coefficients 61-Pm-151



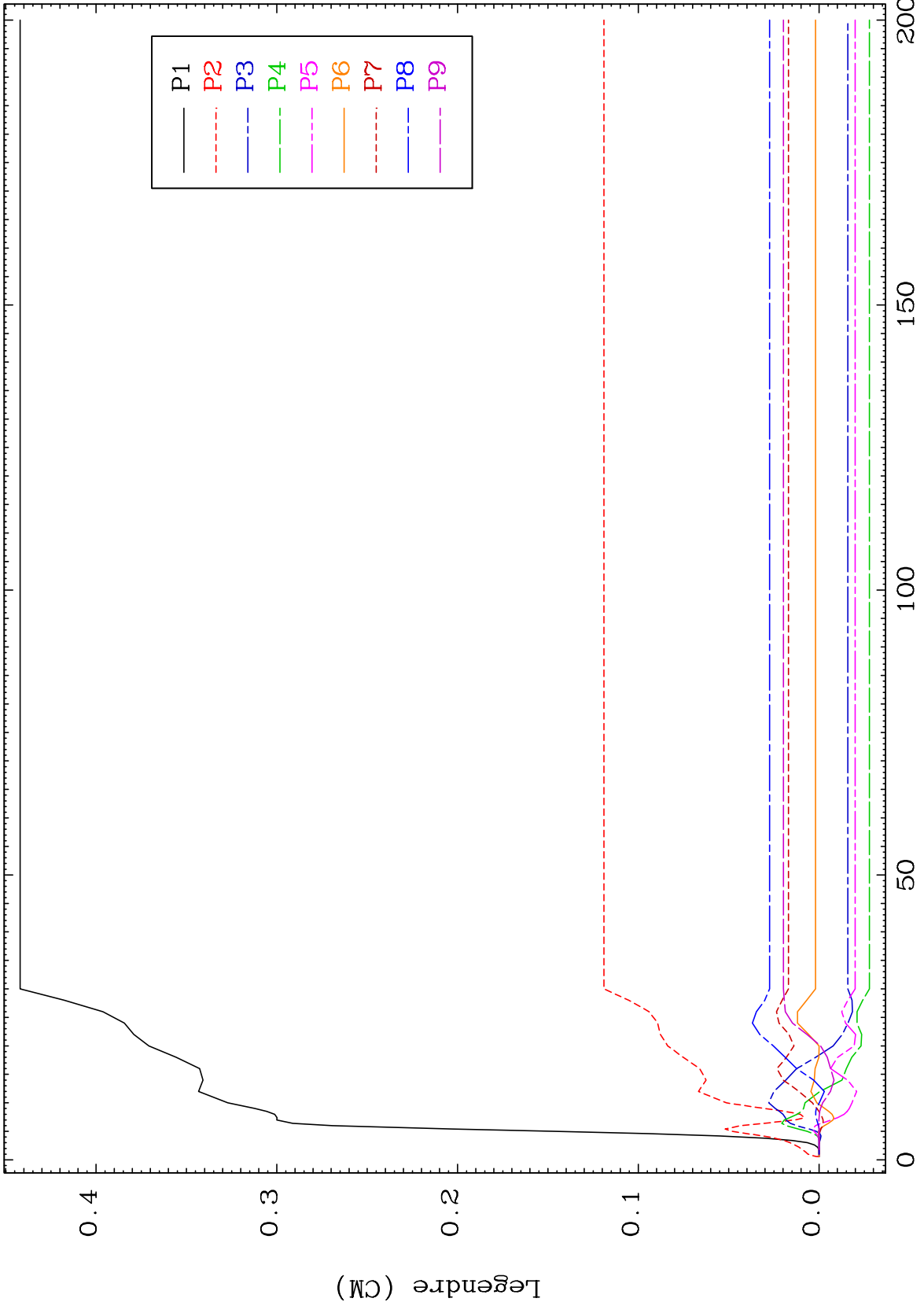
73 61-Pm-151

MAT 6161 MT= 65 (n,n') Level Legendre Coefficients 61-Pm-151



74 61-Pm-151

MAT 6161 MT= 66 (n,n') Level Legendre Coefficients 61-Pm-151

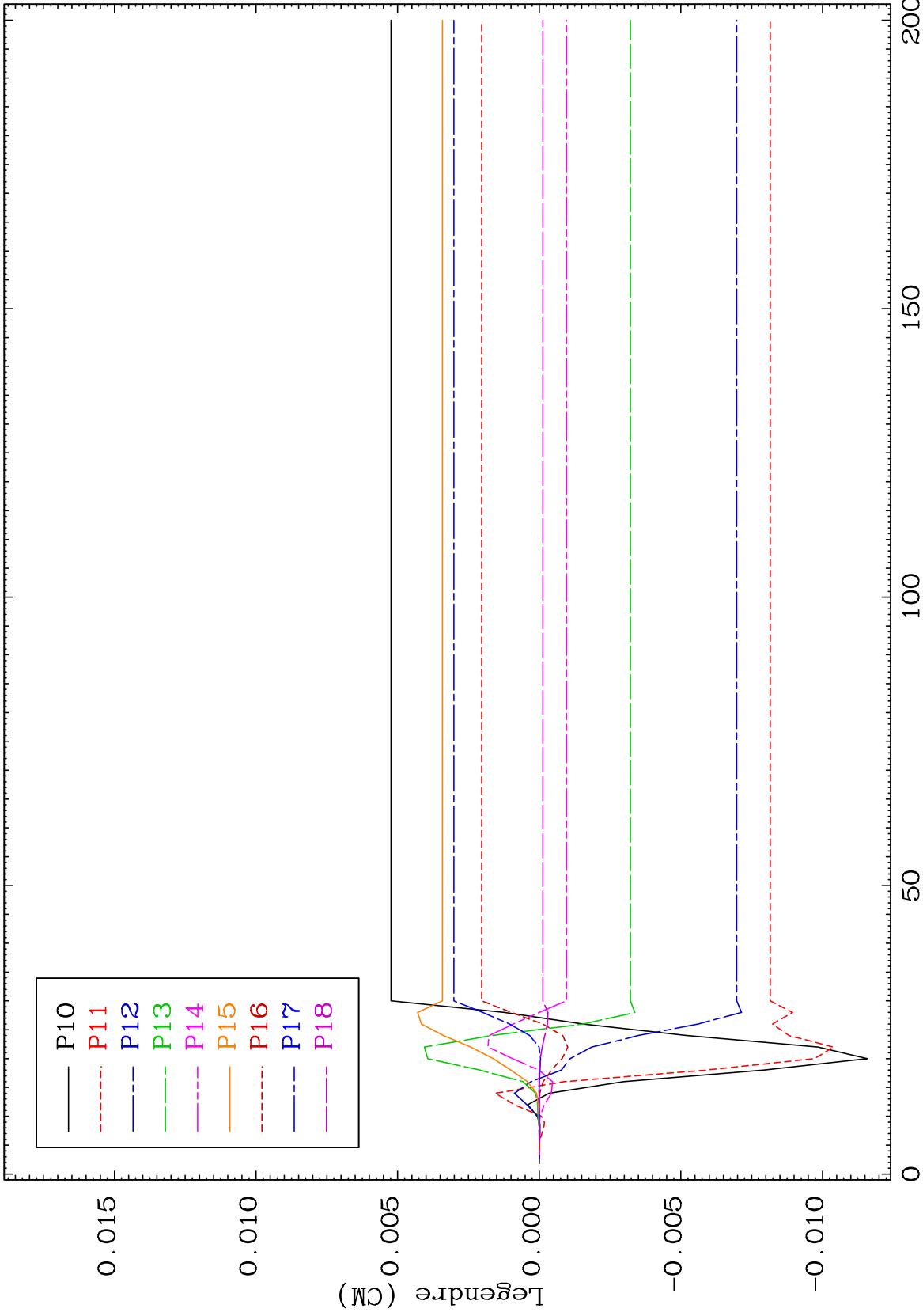


75 Incident Energy (MeV) 61-Pm-151

MAT 6161

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

61-Pm-151

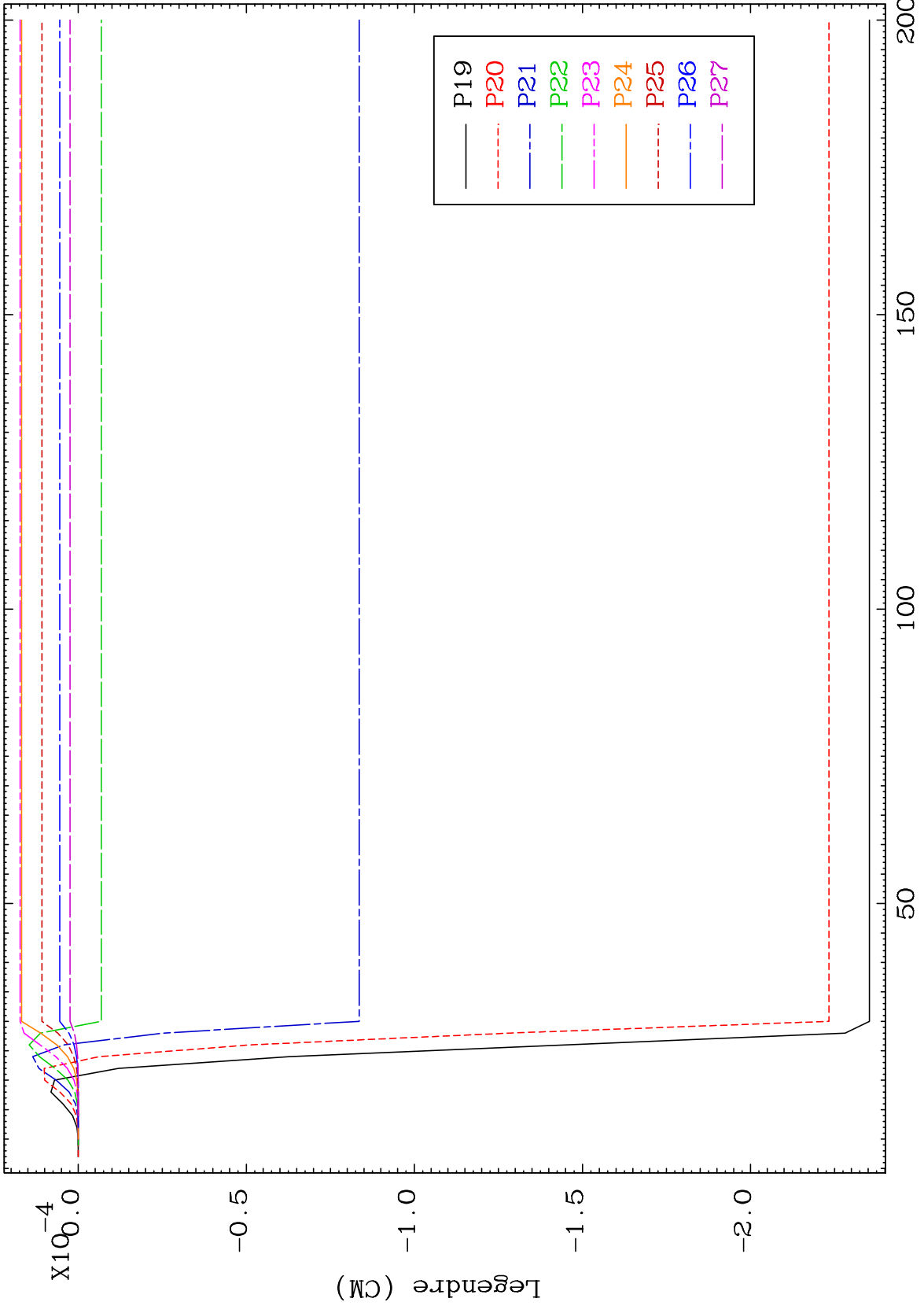


76

Incident Energy (MeV)

61-Pm-151

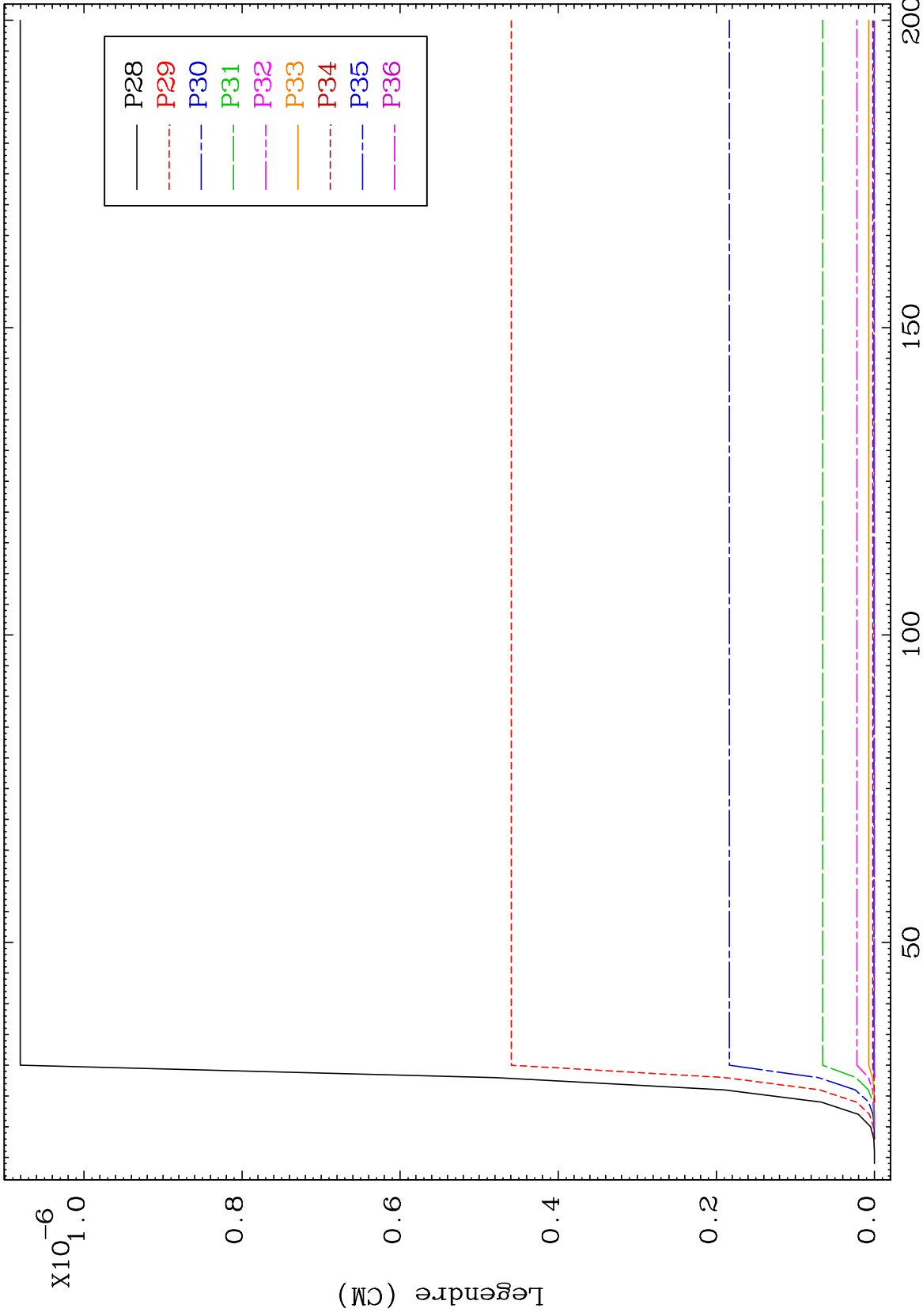
MAT 6161 MT= 66 (n,n') Level Legendre Coefficients 61-Pm-151



MAT 6161

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

61-Pm-151



78

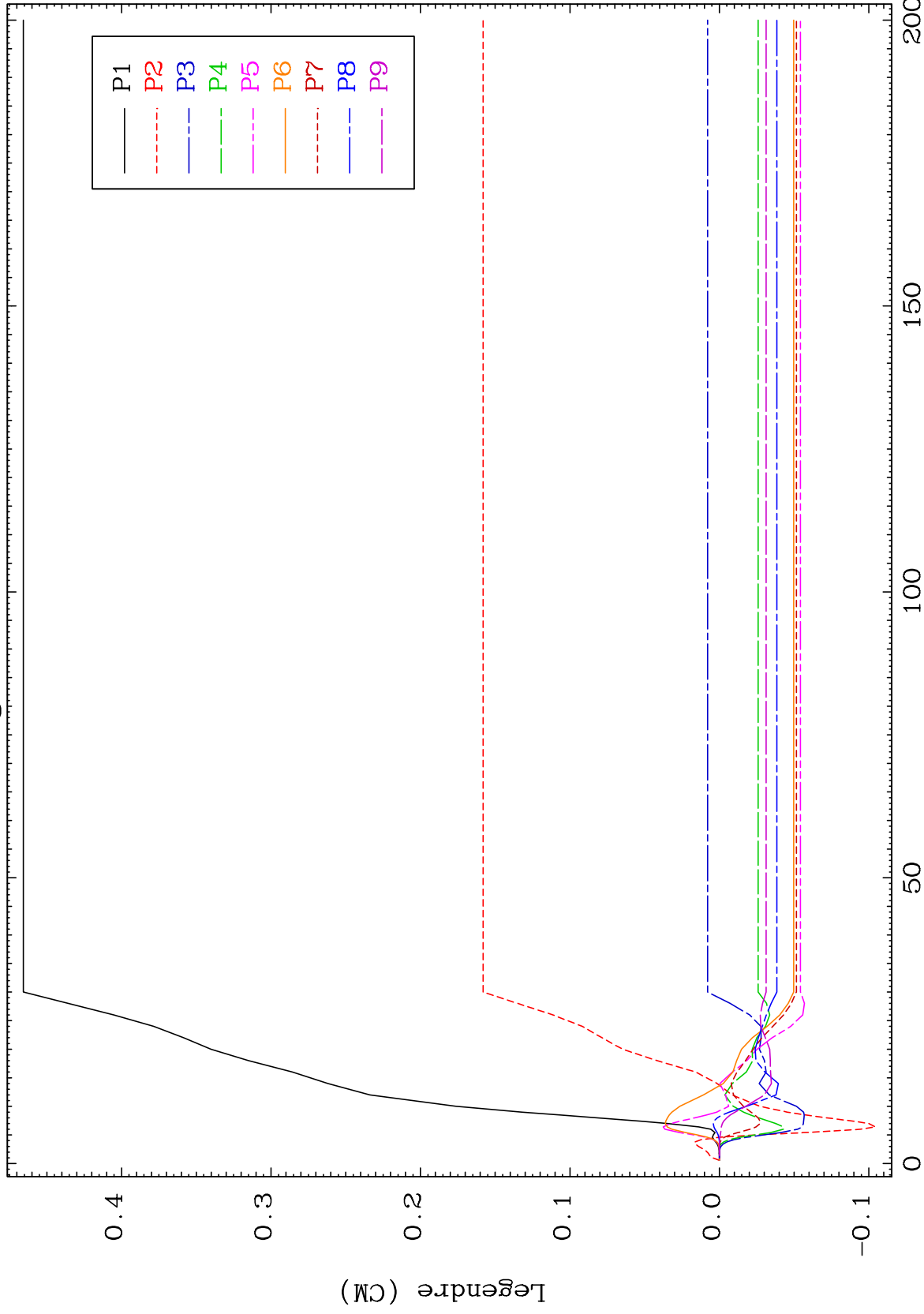
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151

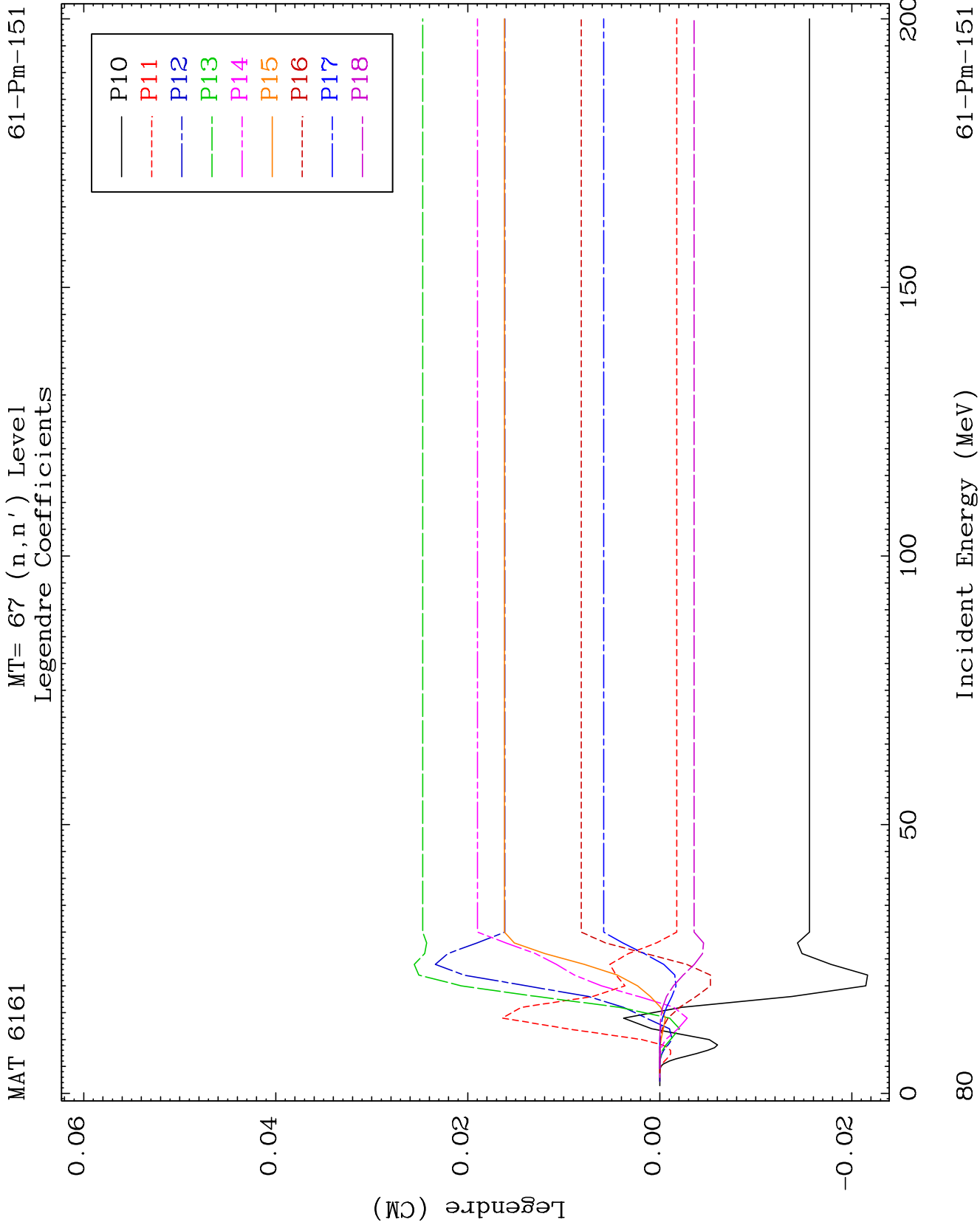


79

Incident Energy (MeV)

61-Pm-151

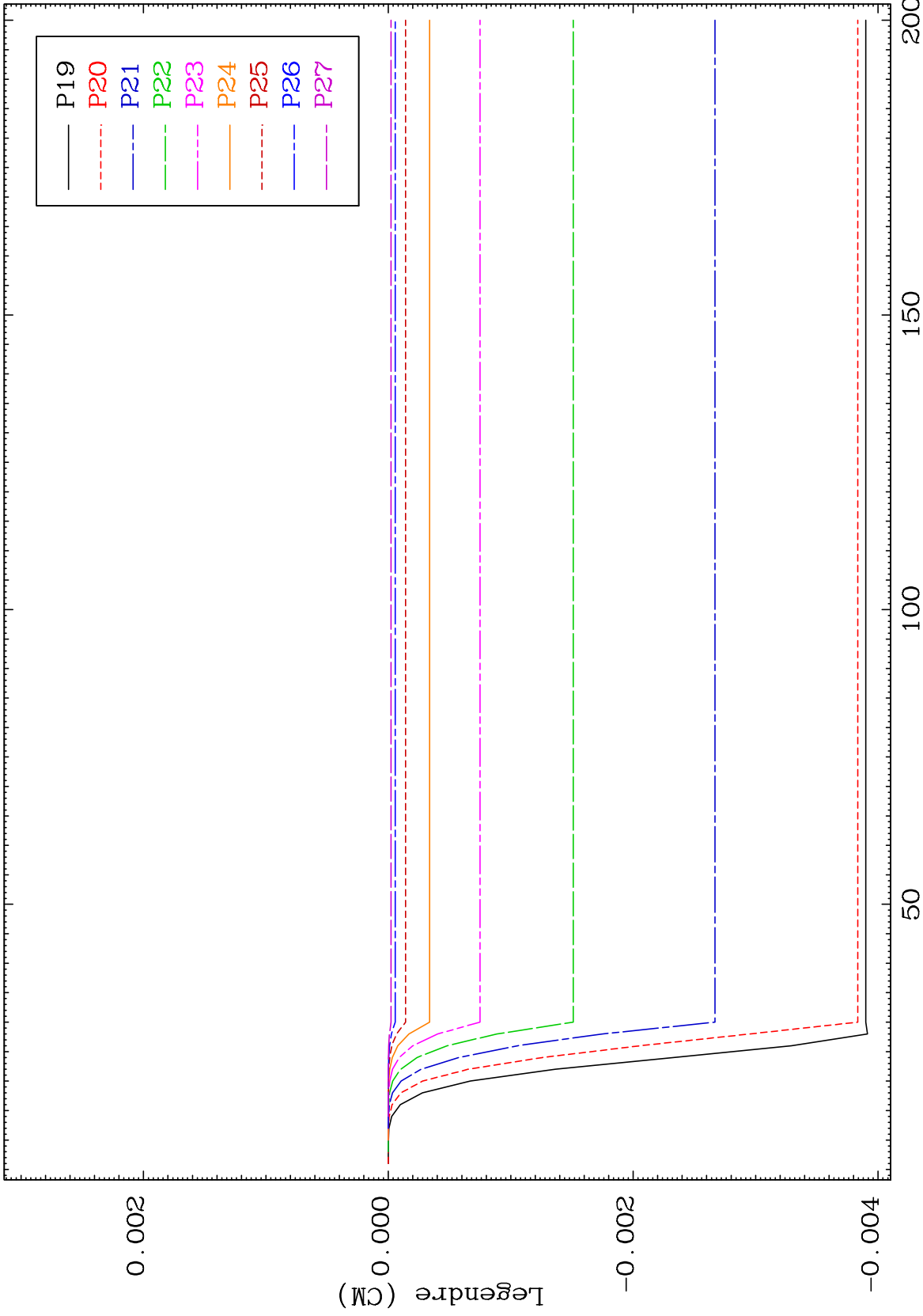




MAT 6161

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

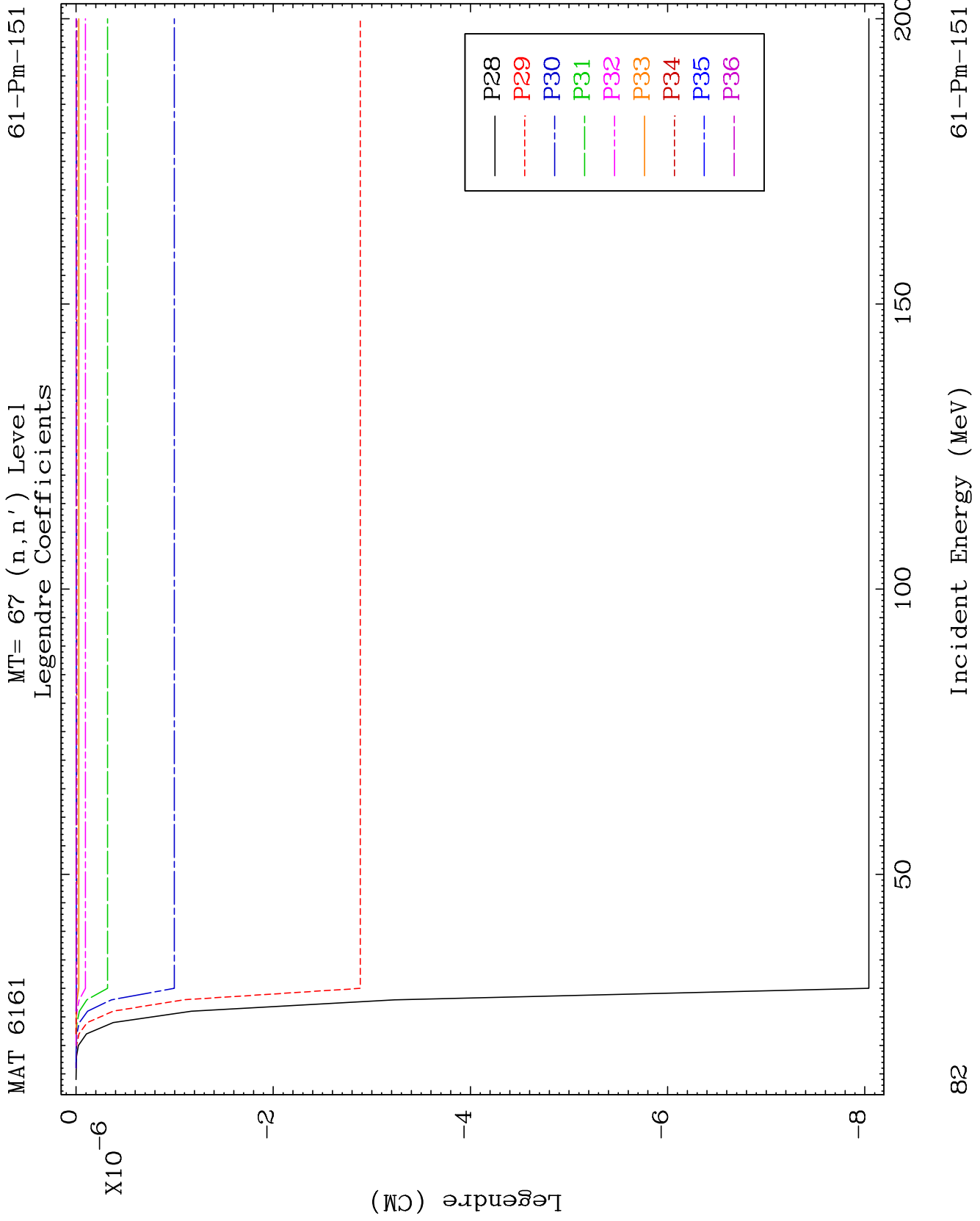
61-Pm-151



81

Incident Energy (MeV)

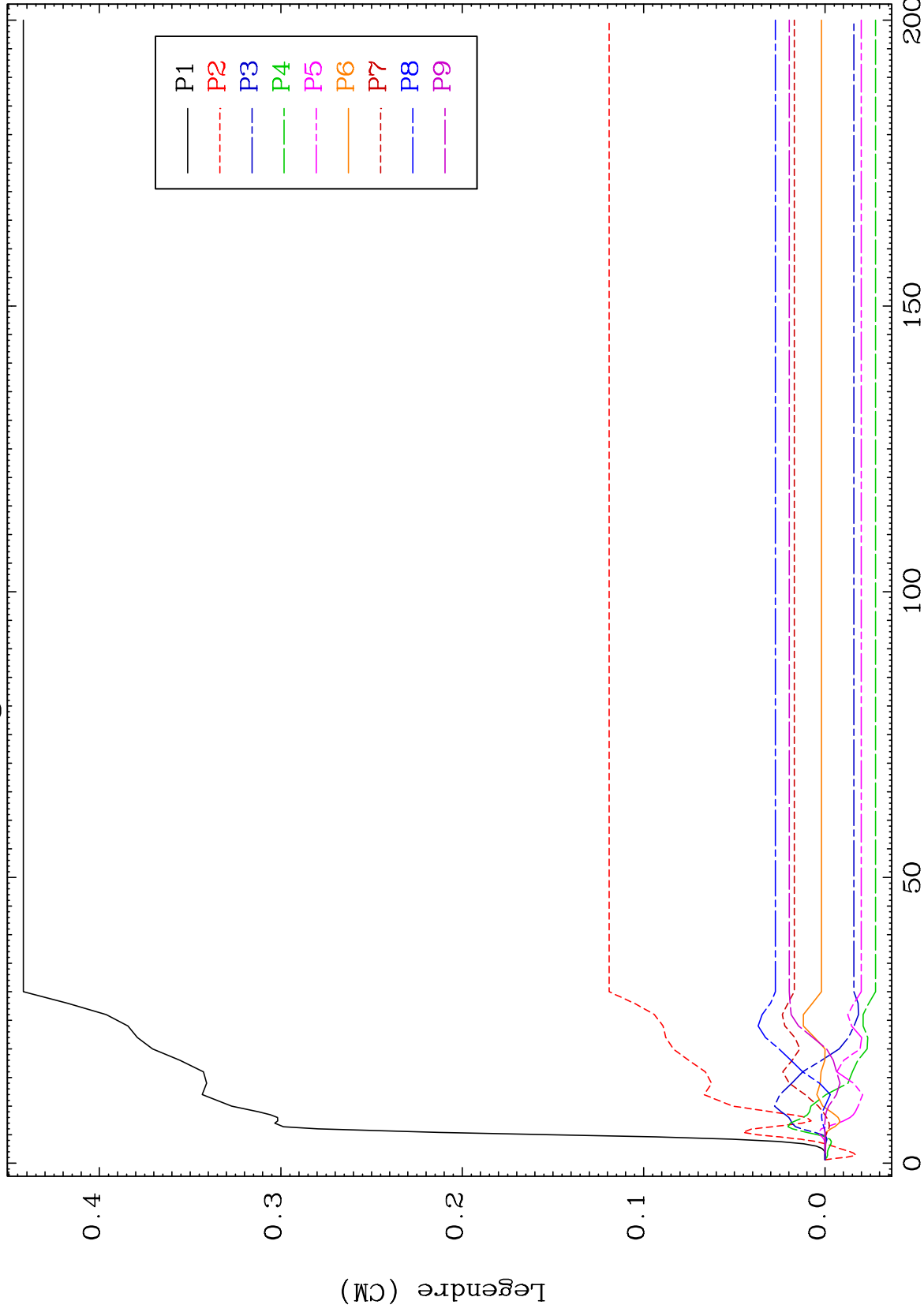
61-Pm-151



MAT 6161

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

61-Pm-151



83

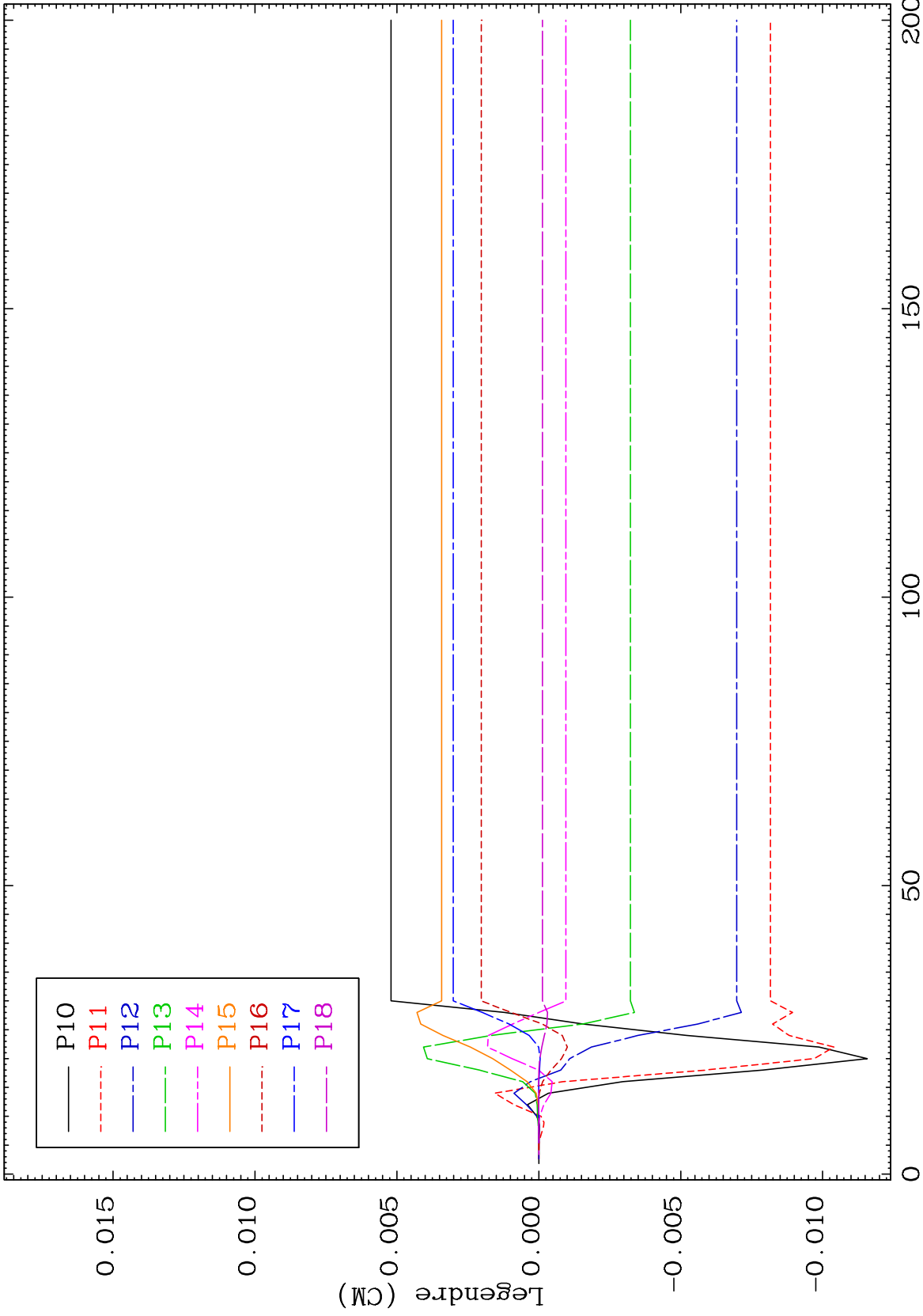
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151

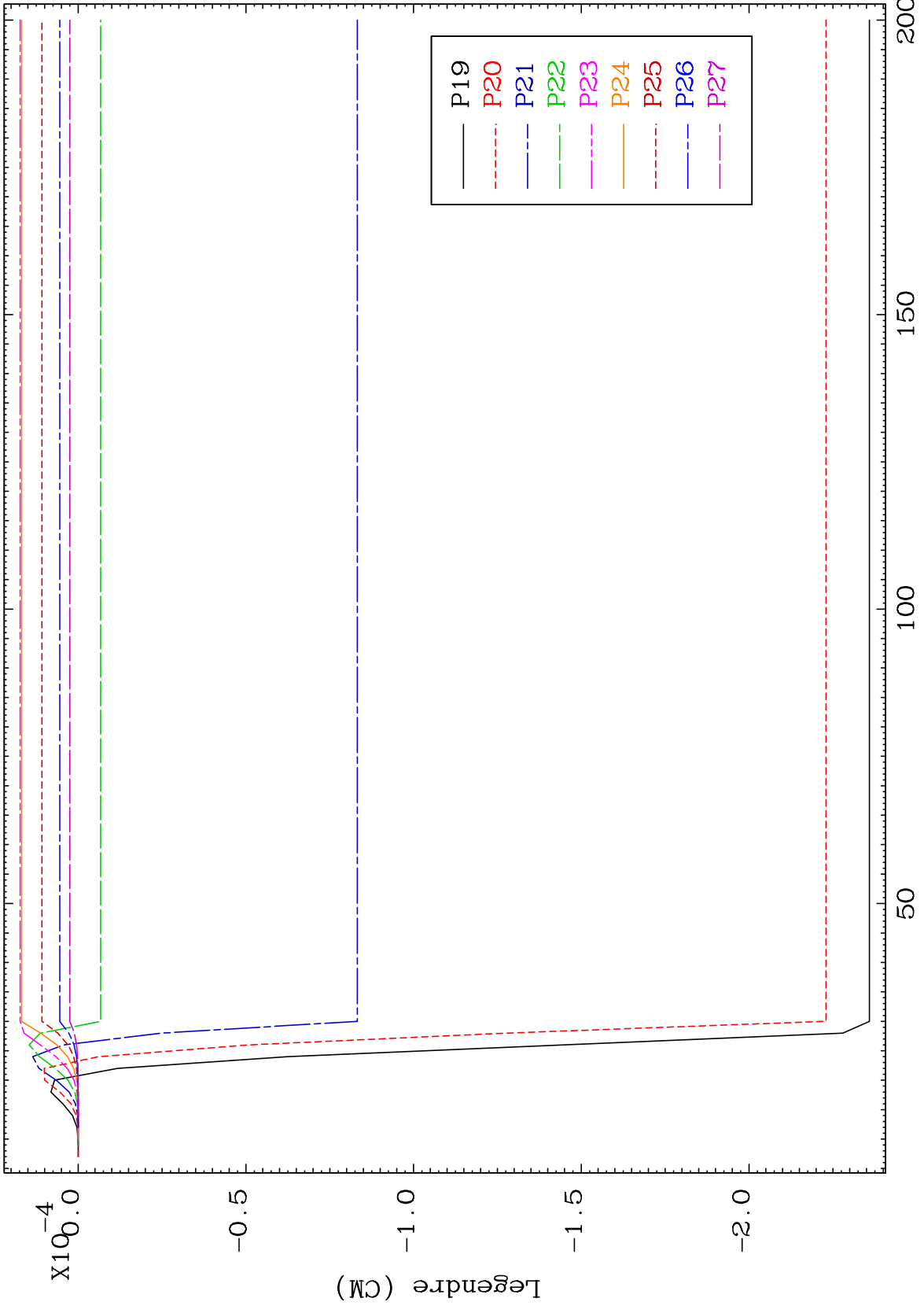


84

Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 68 (n,n') Level Legendre Coefficients 61-Pm-151

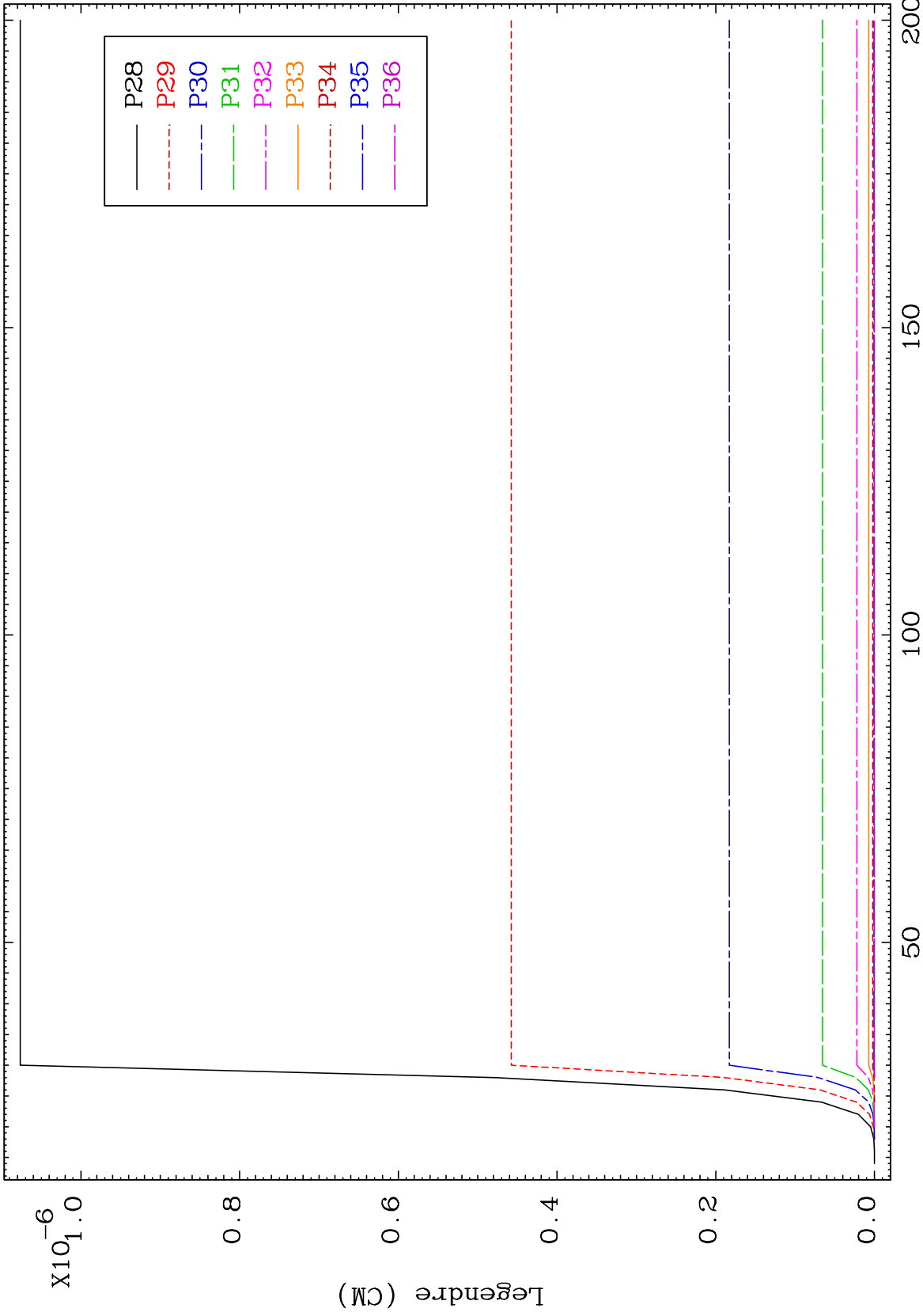


85 61-Pm-151

MAT 6161

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

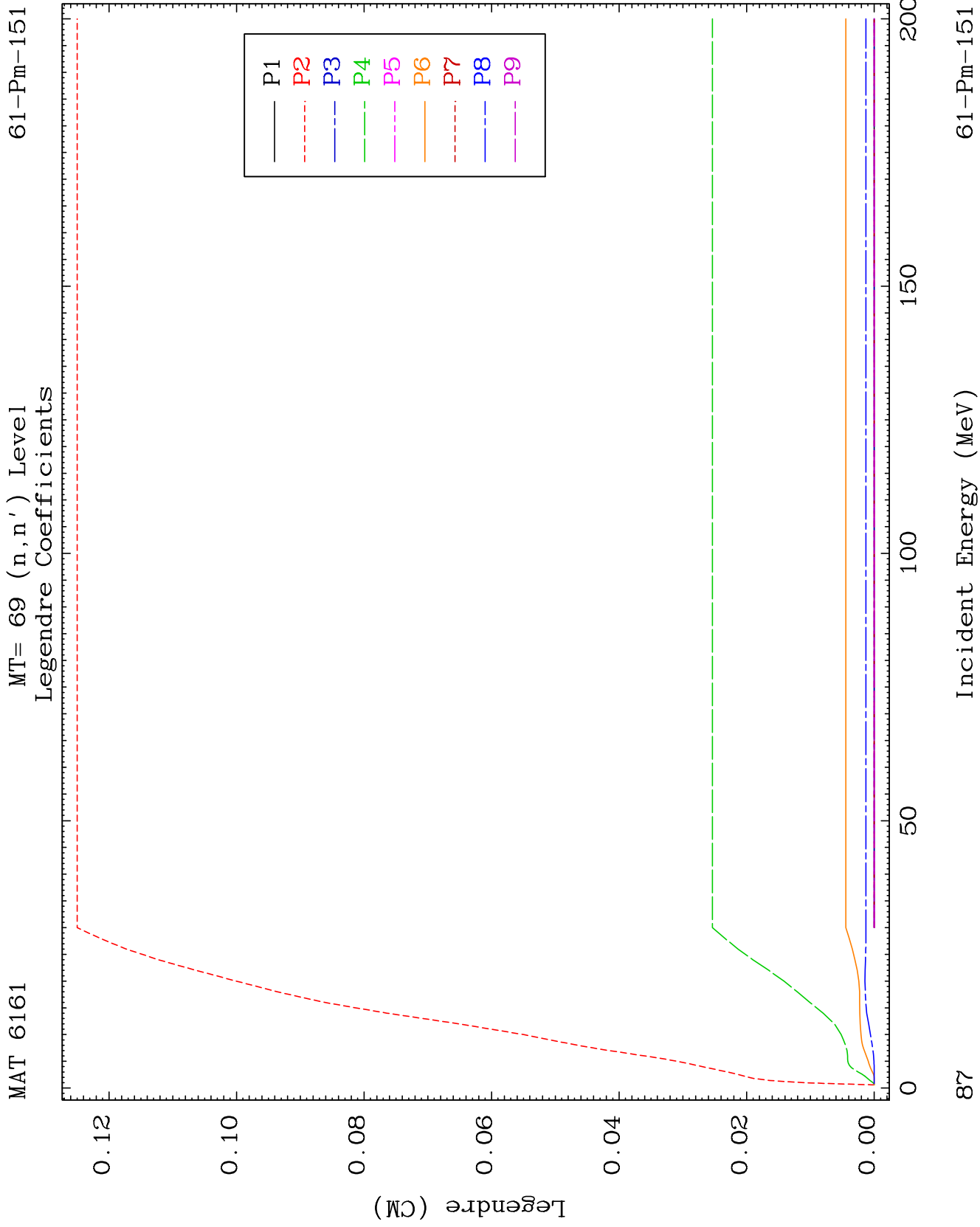
61-Pm-151



86

Incident Energy (MeV)

61-Pm-151

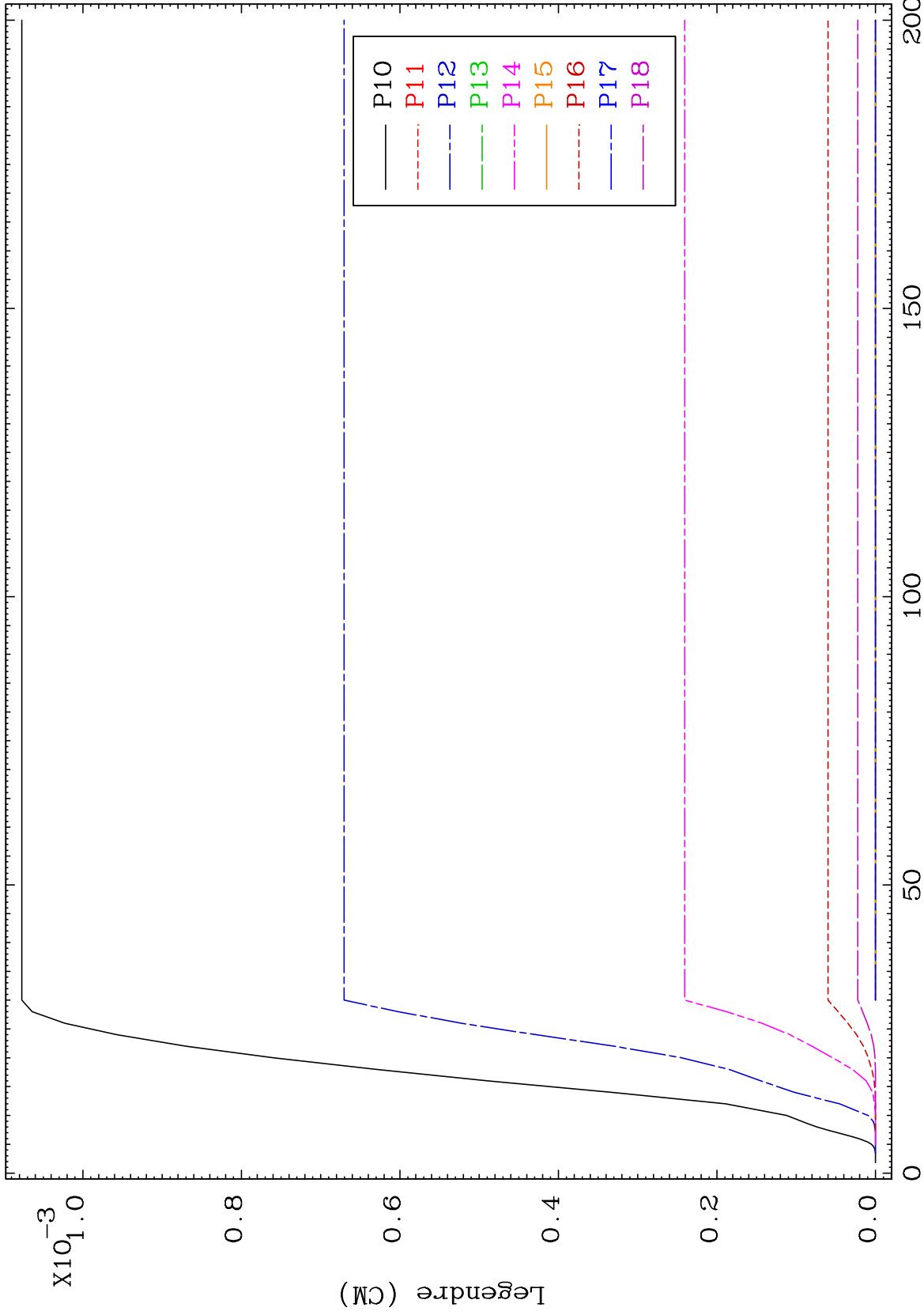




MAT 6161

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

61-Pm-151



88

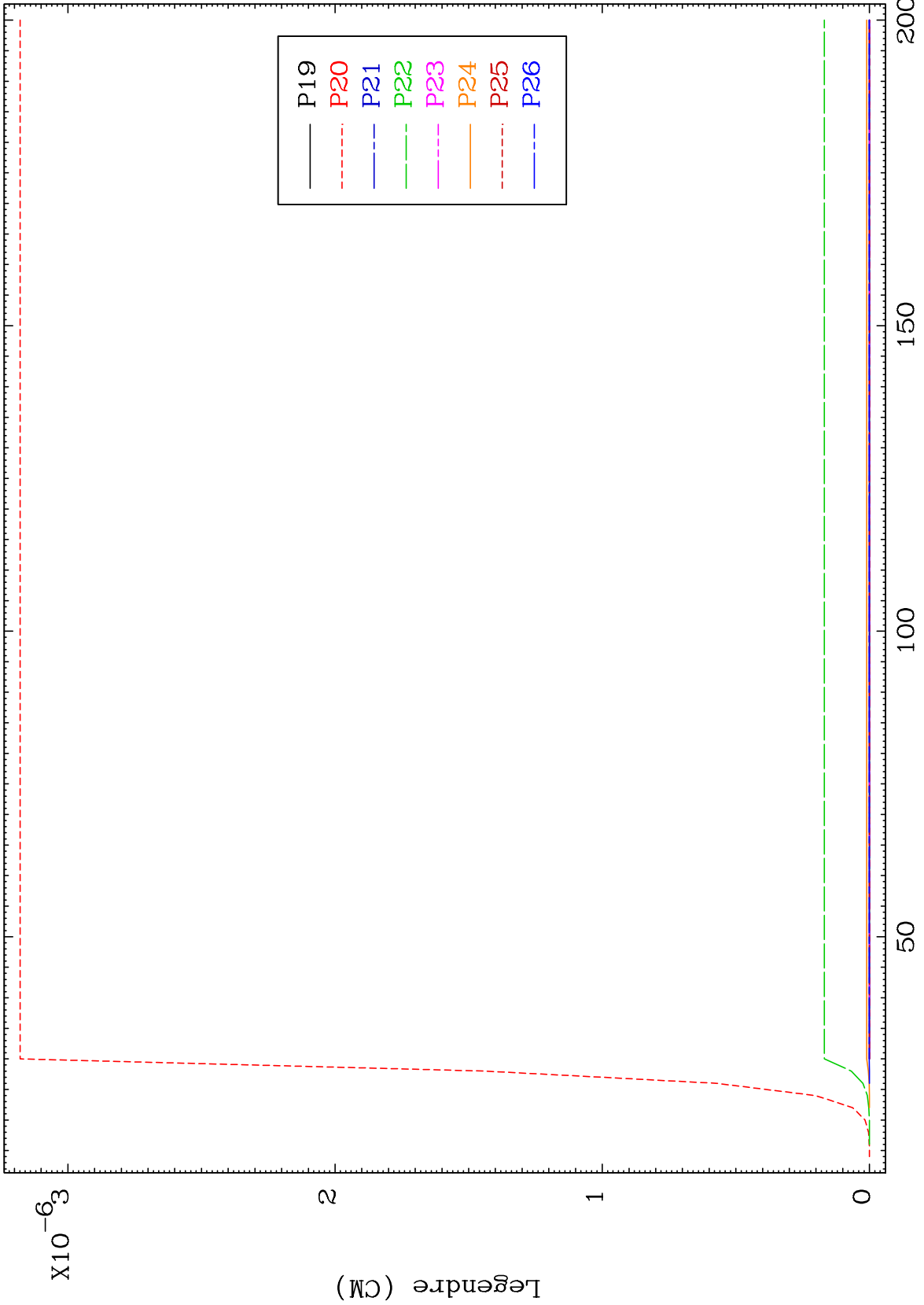
Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 69 (n,n') Level Legendre Coefficients

61-Pm-151

61-Pm-151



89

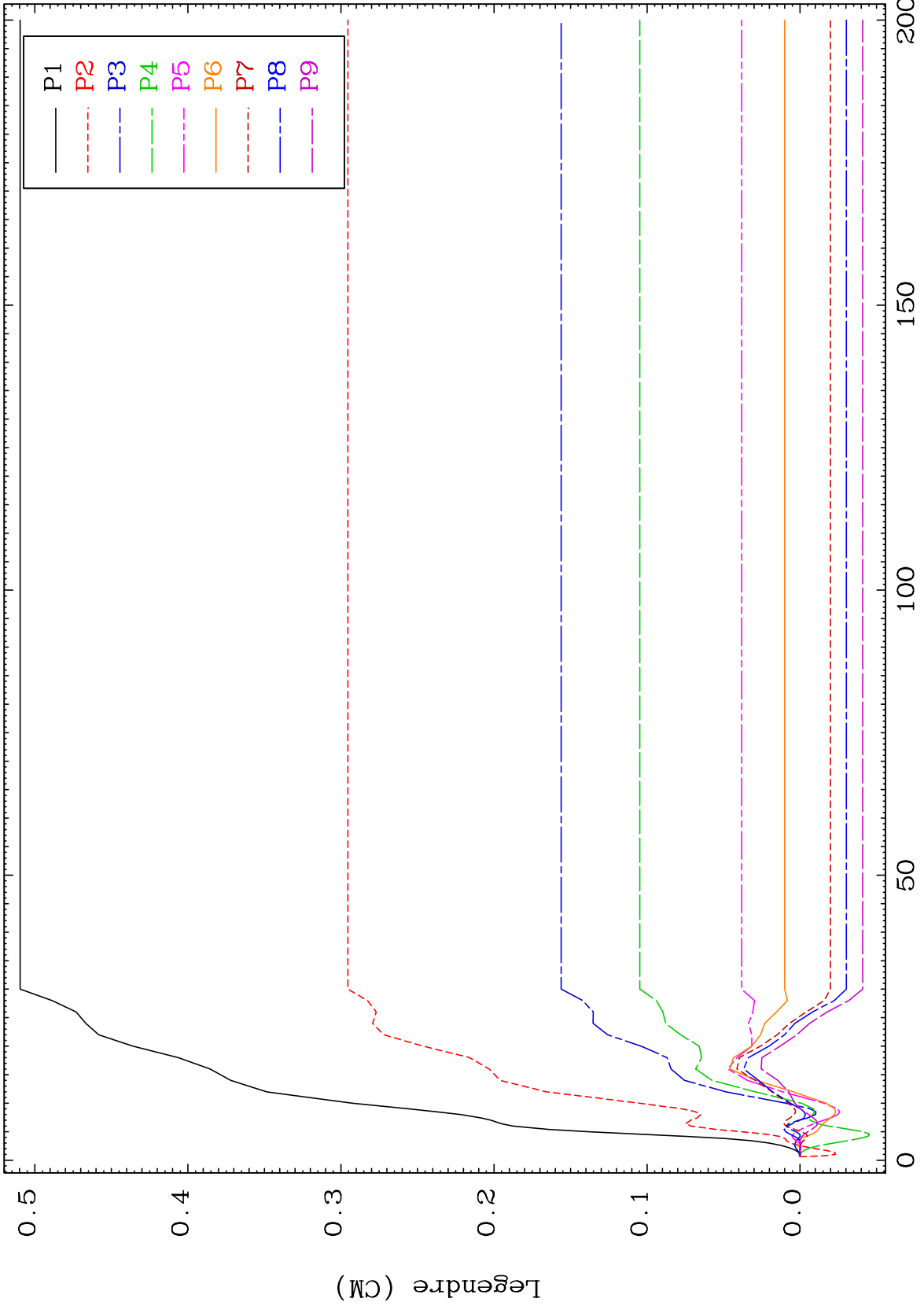
50

100

150

200

MAT 6161 MT= 70 (n,n') Level Legendre Coefficients 61-Pm-151

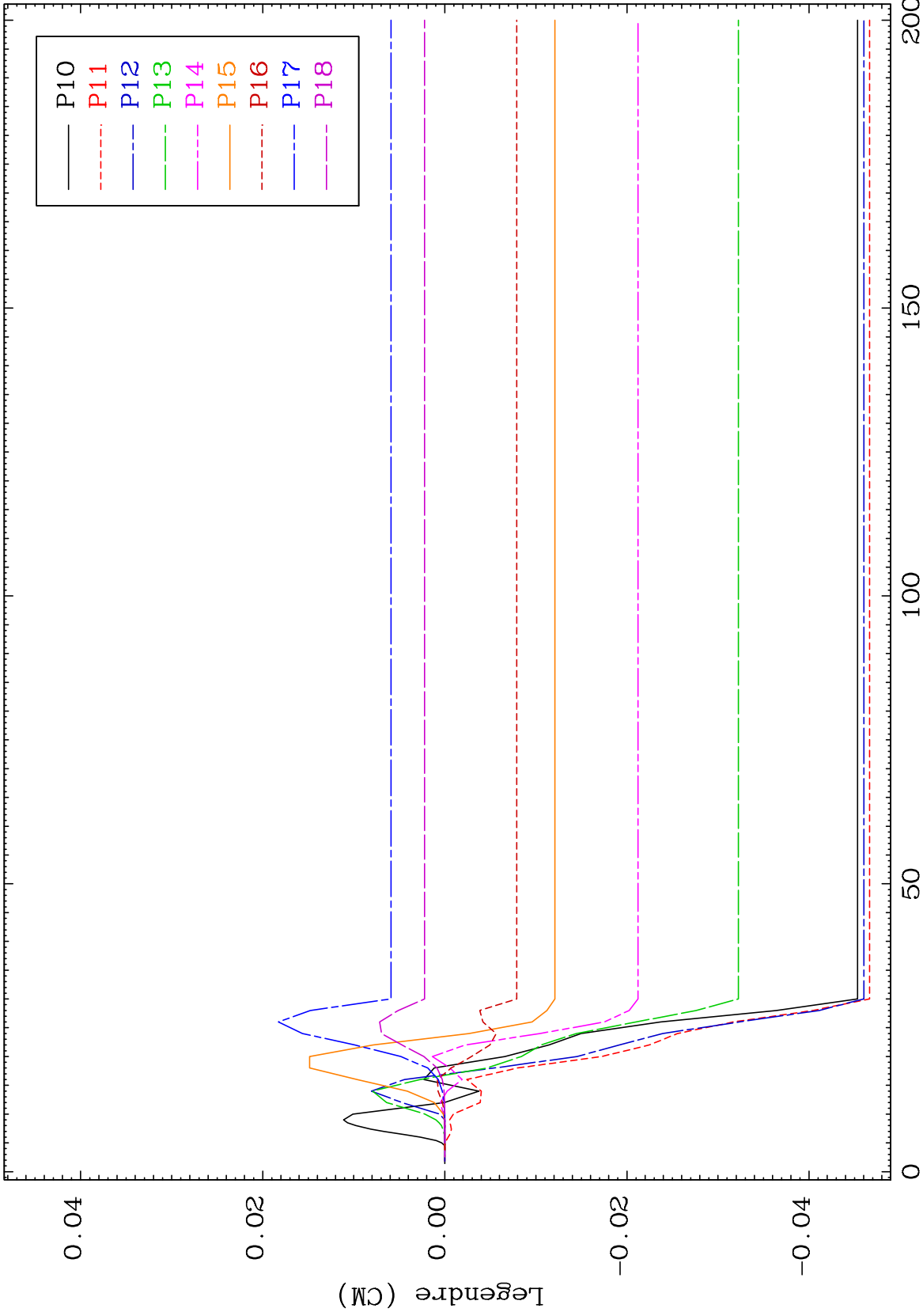


61-Pm-151

MAT 6161

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

61-Pm-151



91

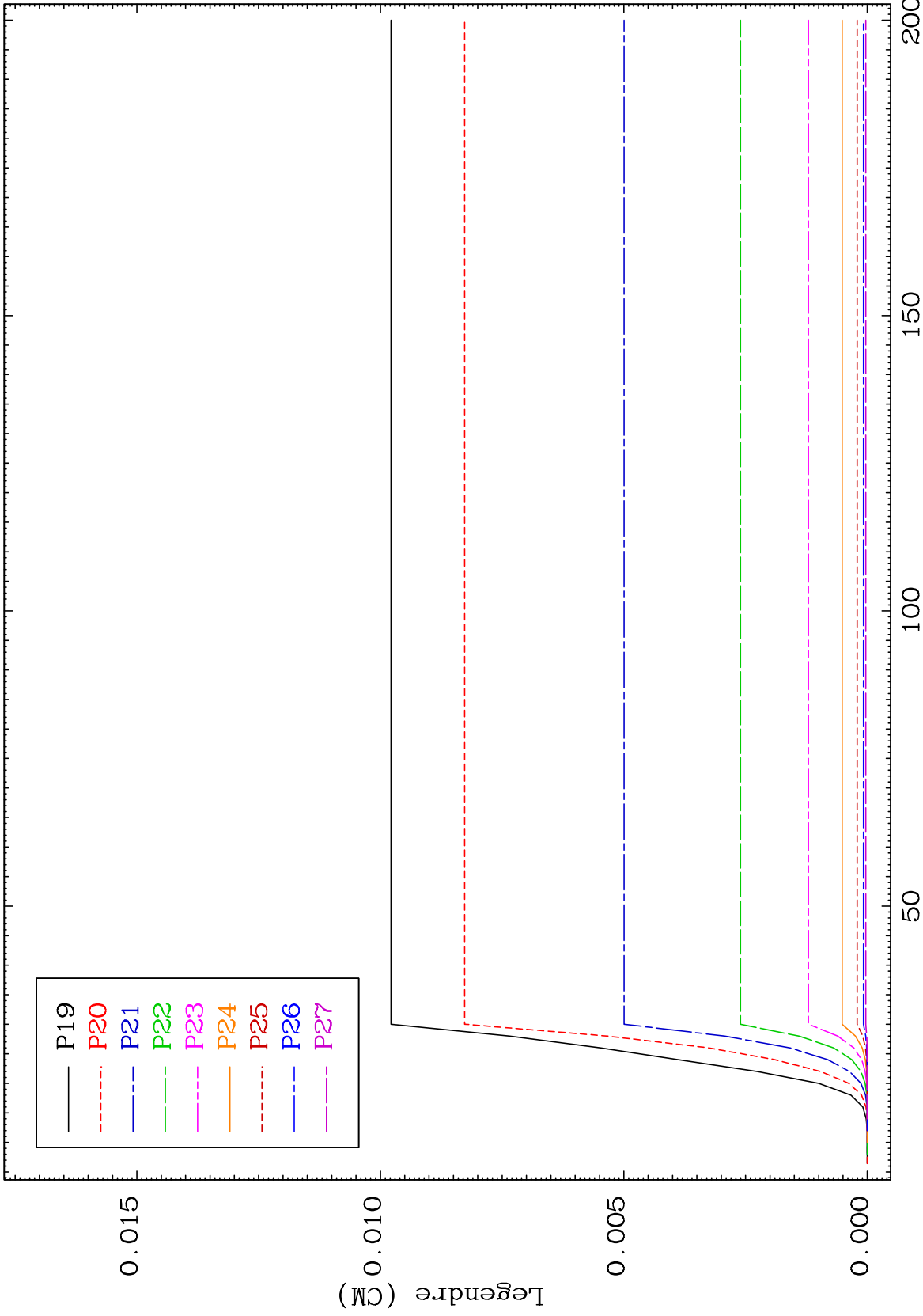
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



92

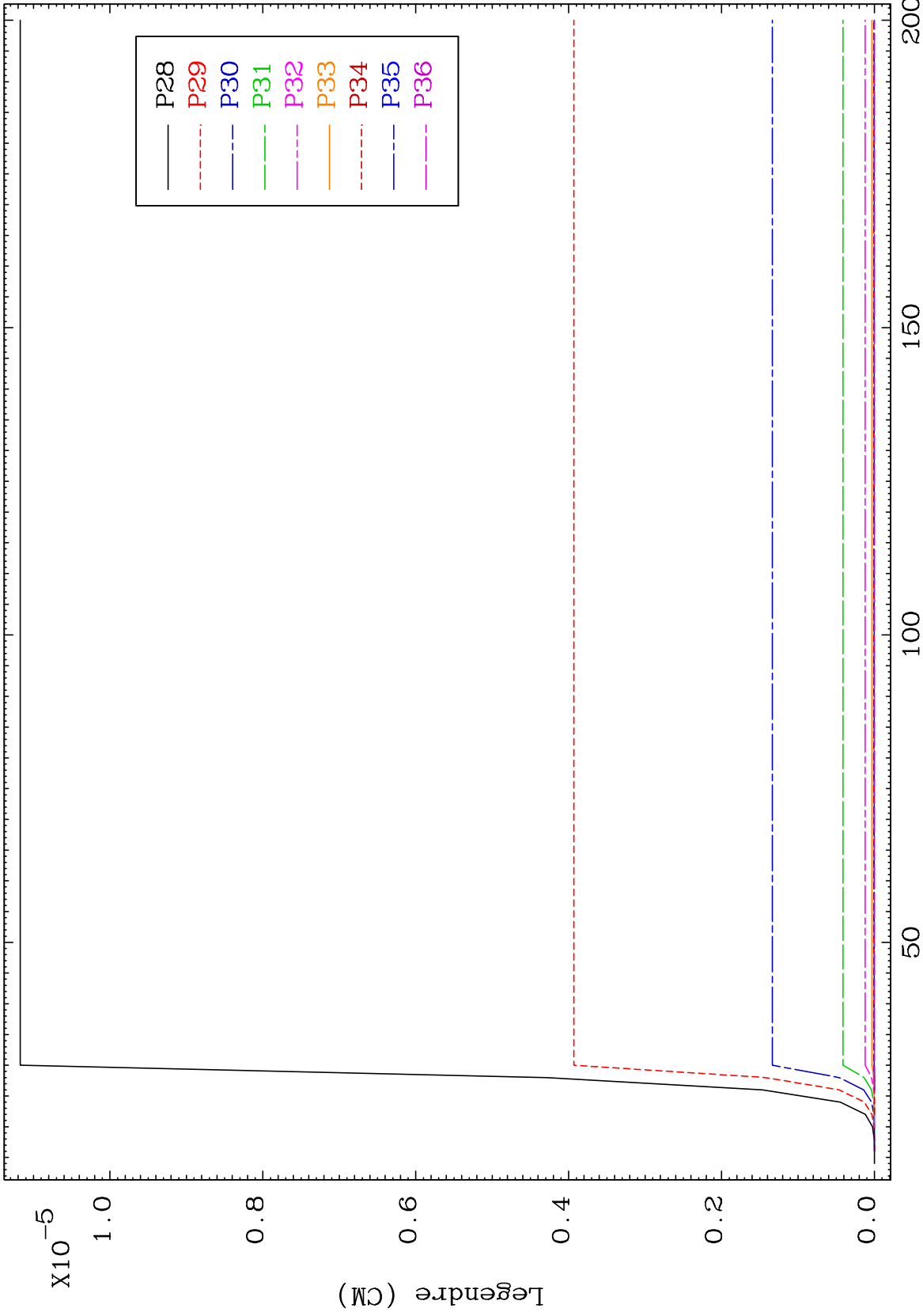
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



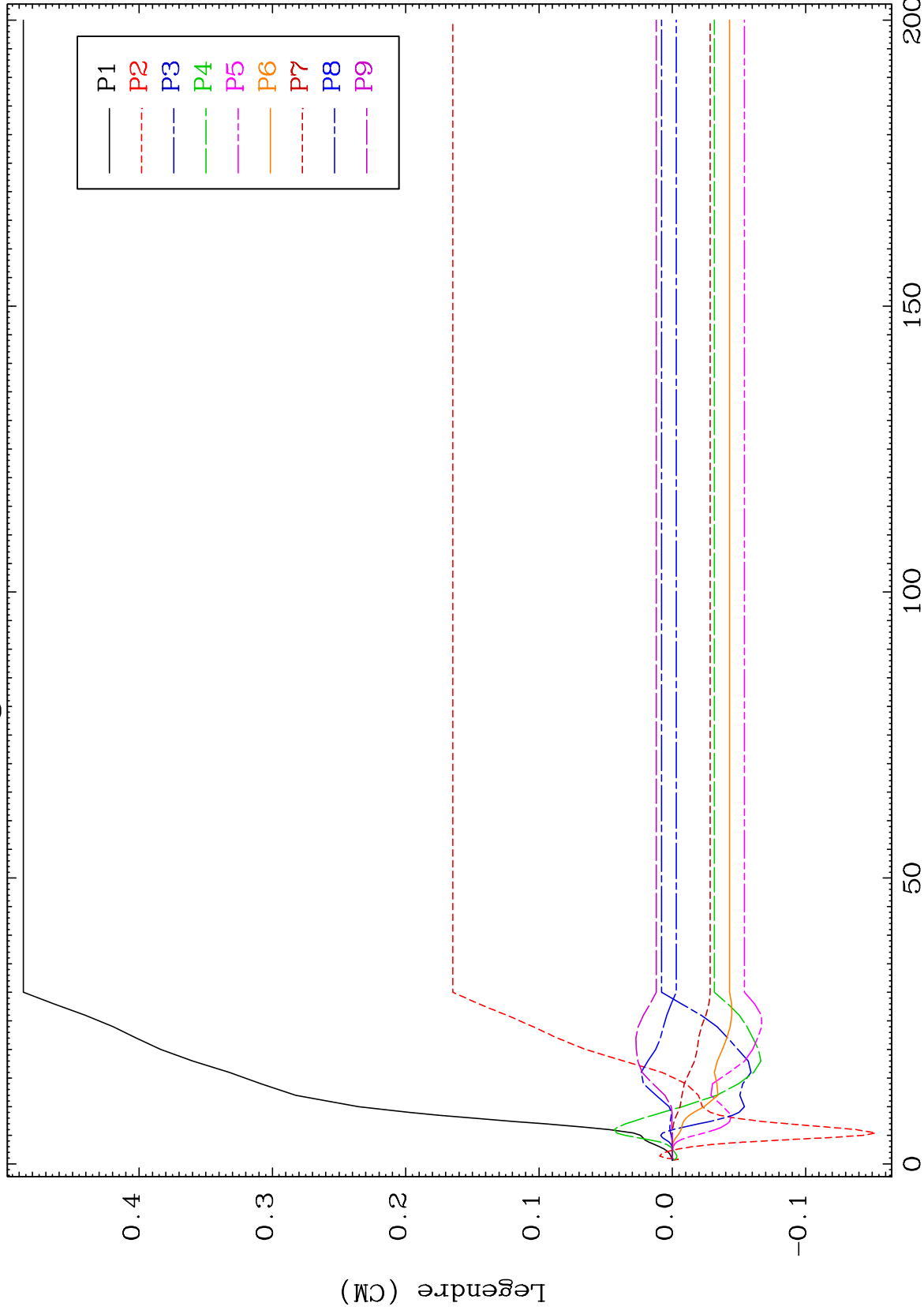
93

61-Pm-151

MAT 6161

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

61-Pm-151



94

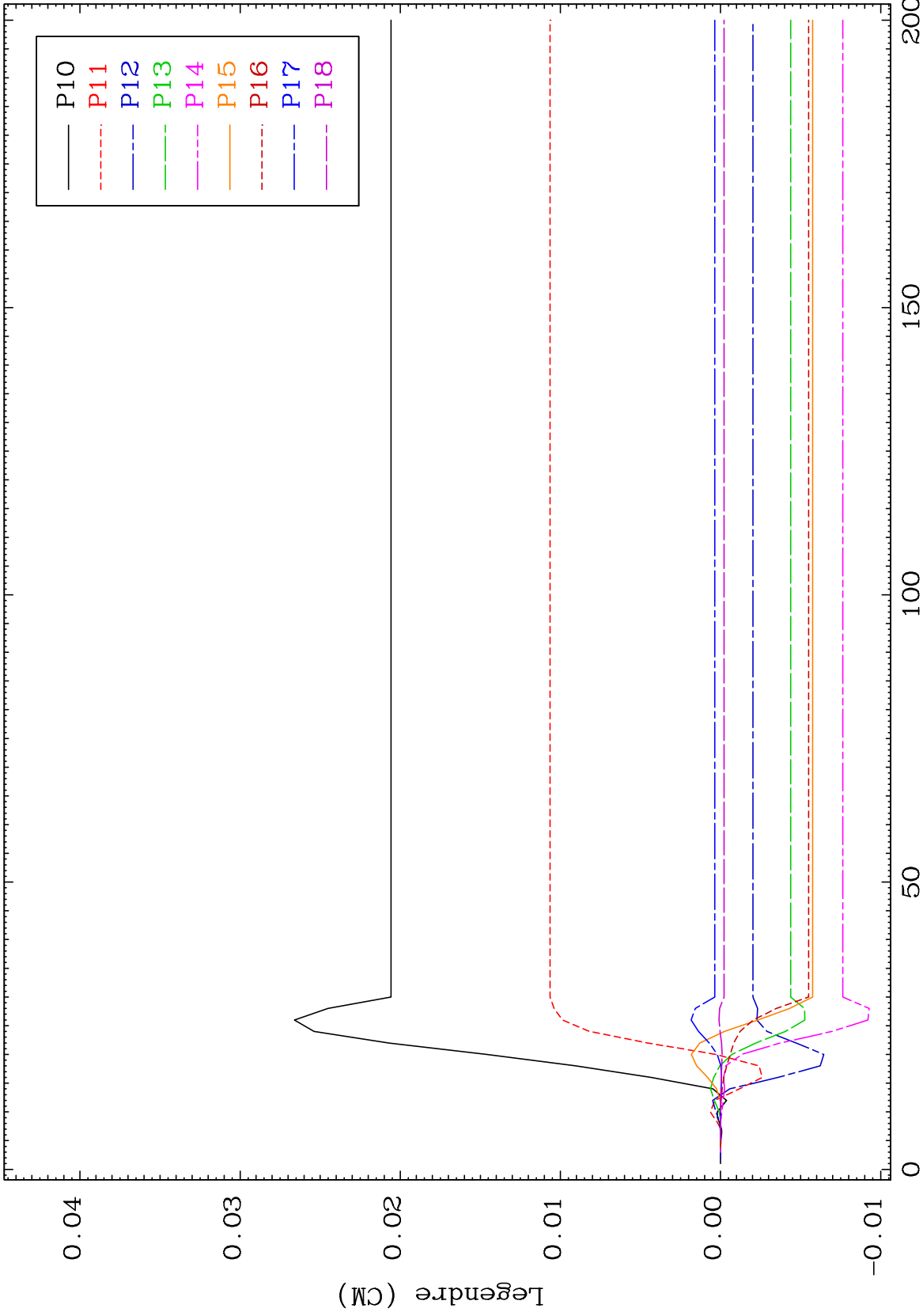
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



95

Incident Energy (MeV)

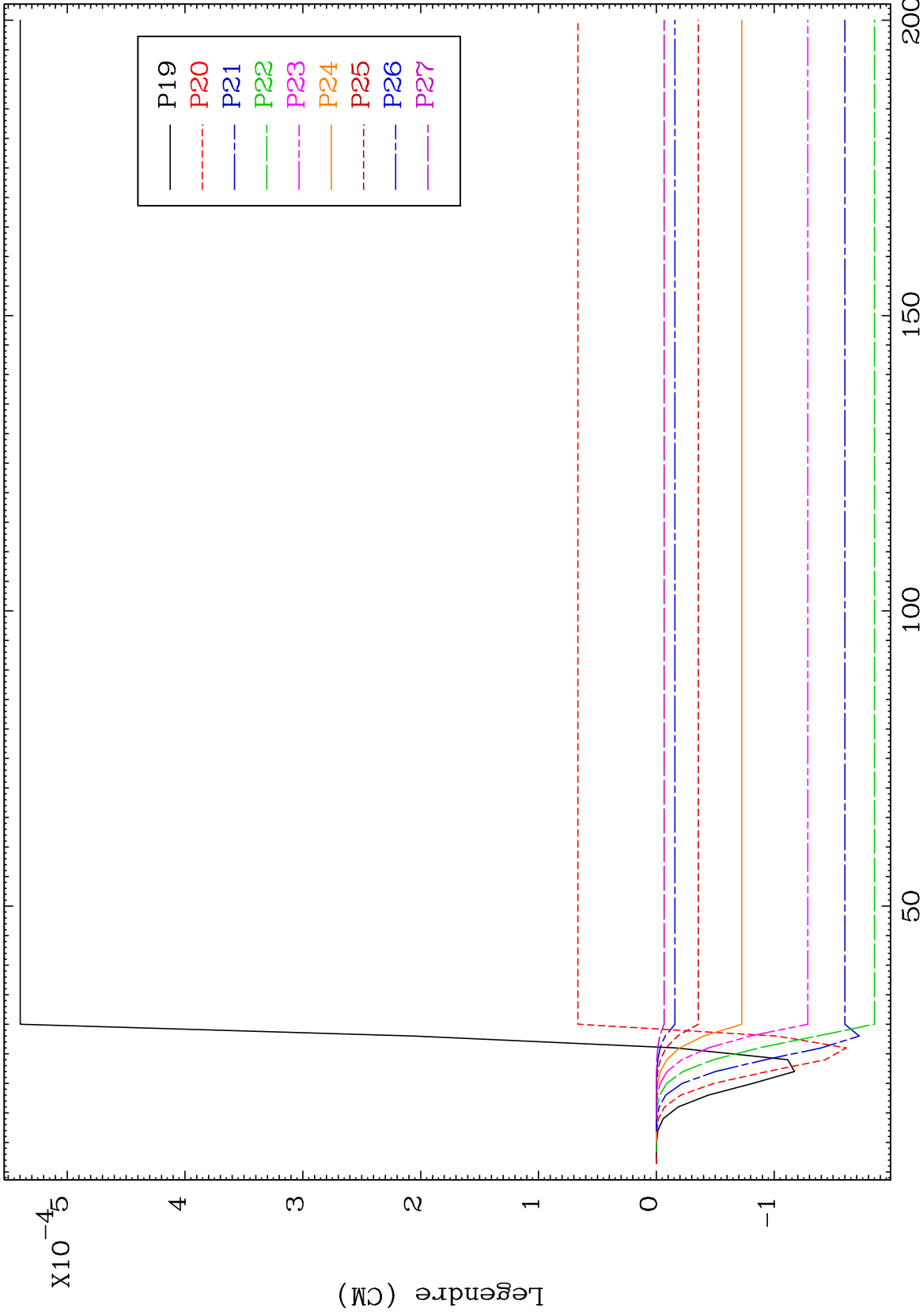
61-Pm-151



MAT 6161

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

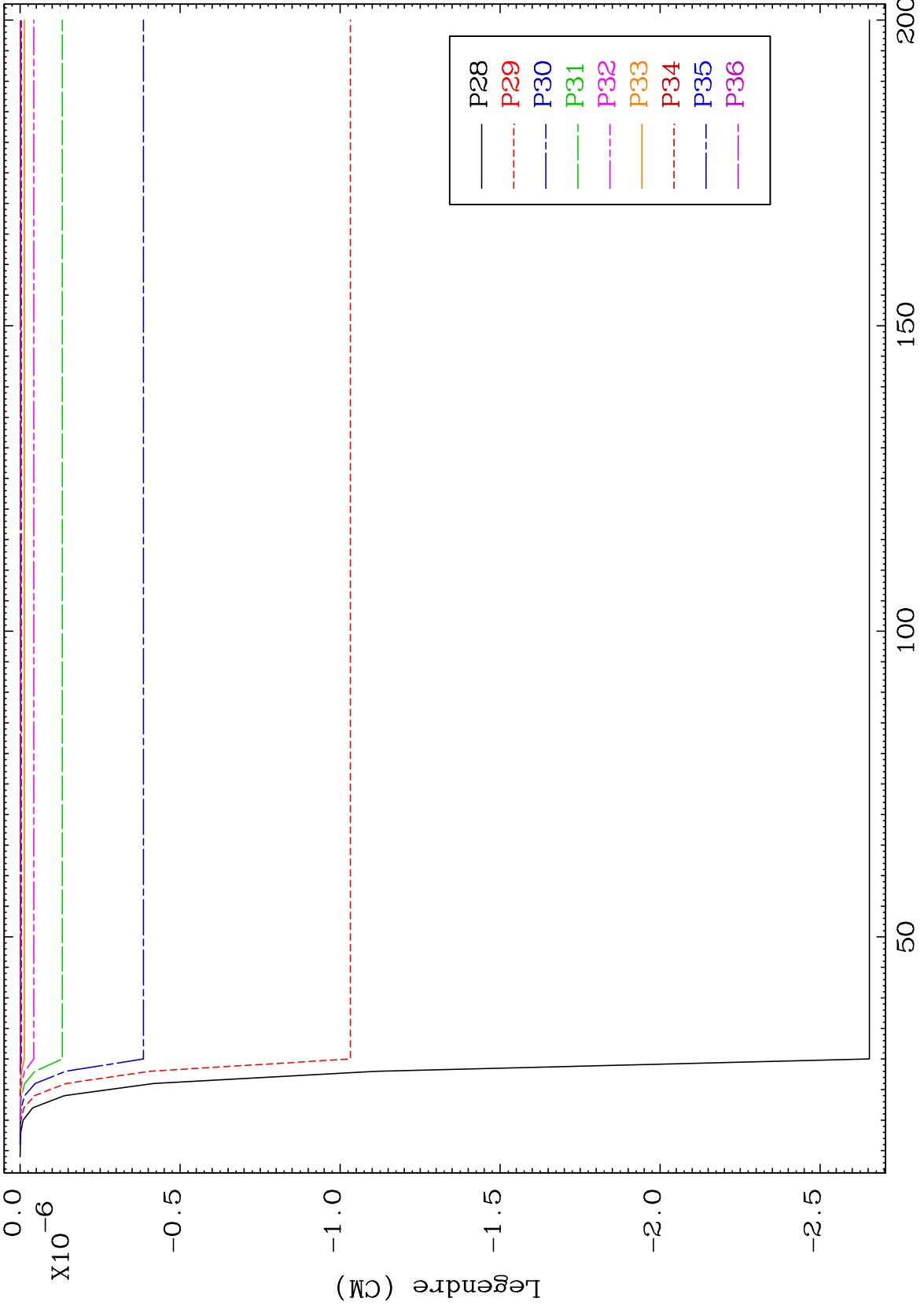
61-Pm-151



96

61-Pm-151

MAT 6161 MT= 71 (n,n') Level Legendre Coefficients 61-Pm-151

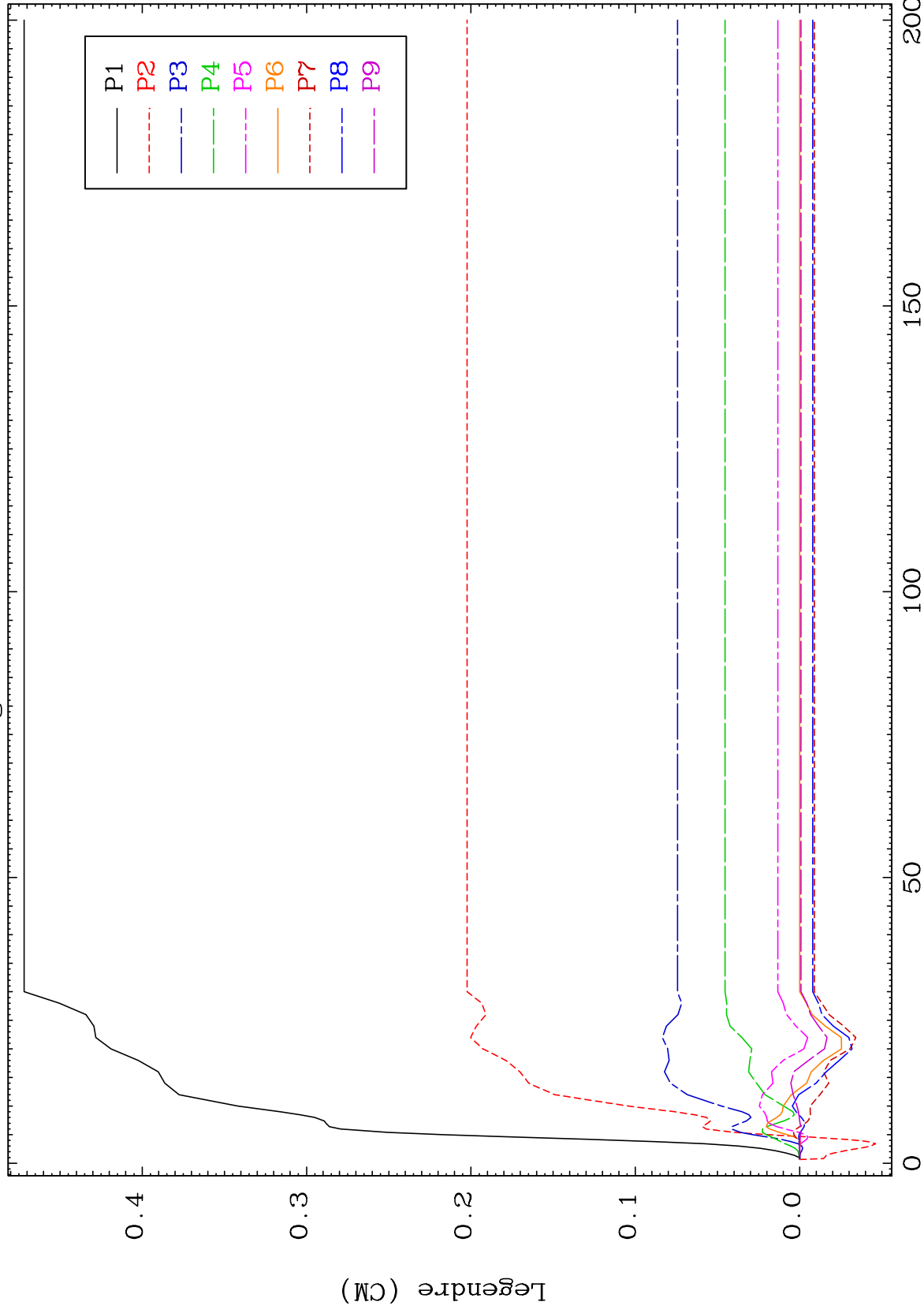


97 61-Pm-151

MAT 6161

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

61-Pm-151



98

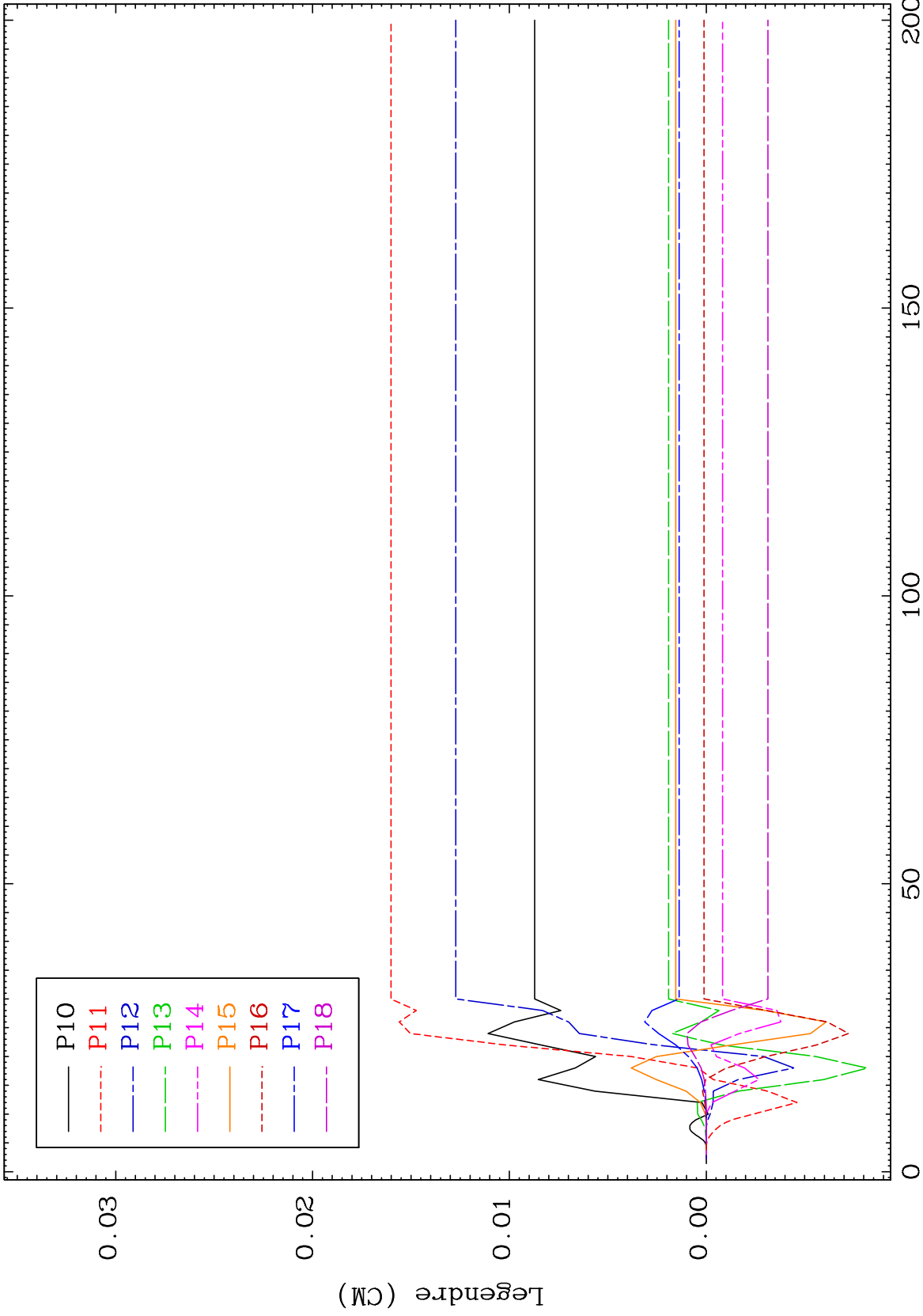
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



99

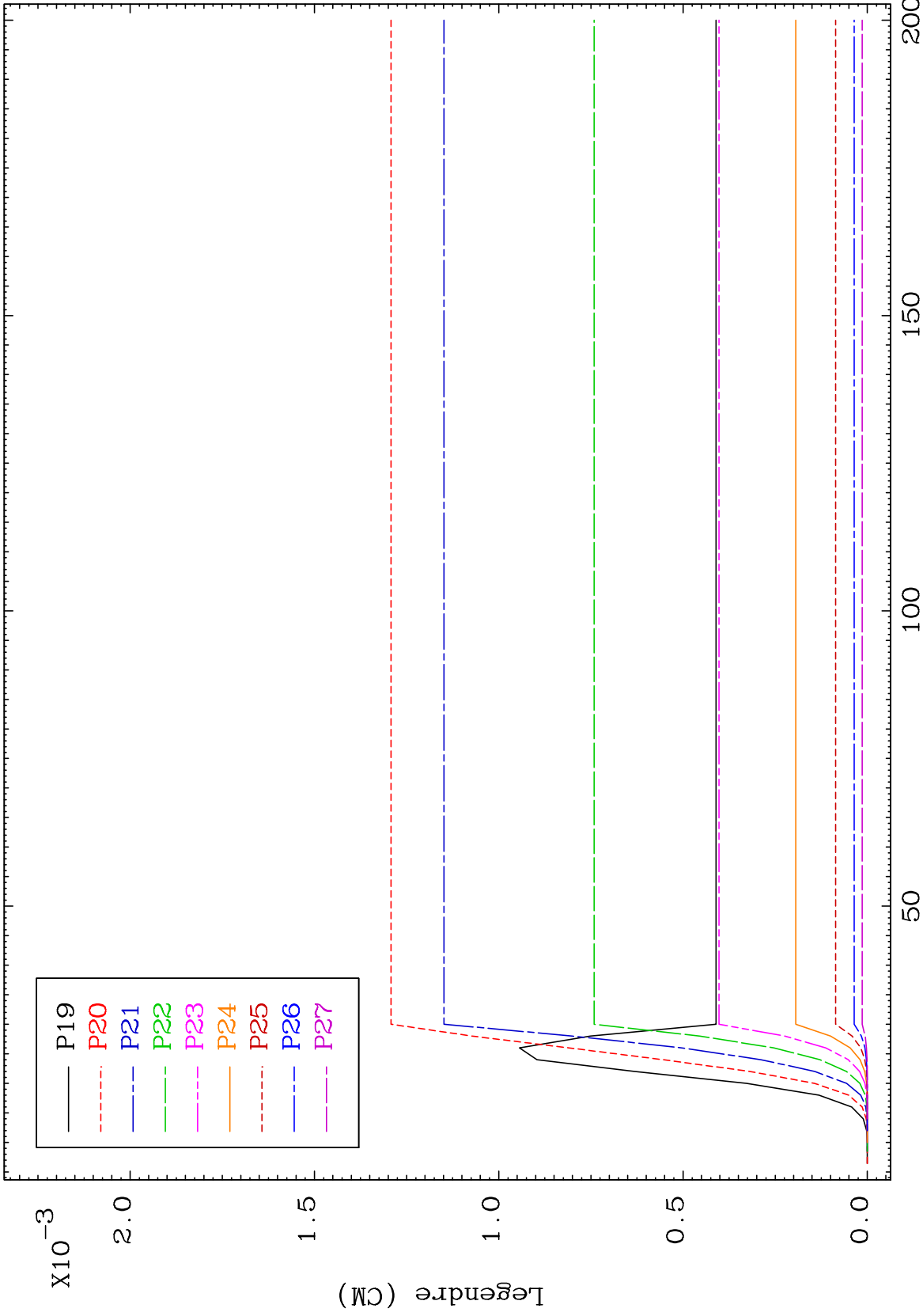
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

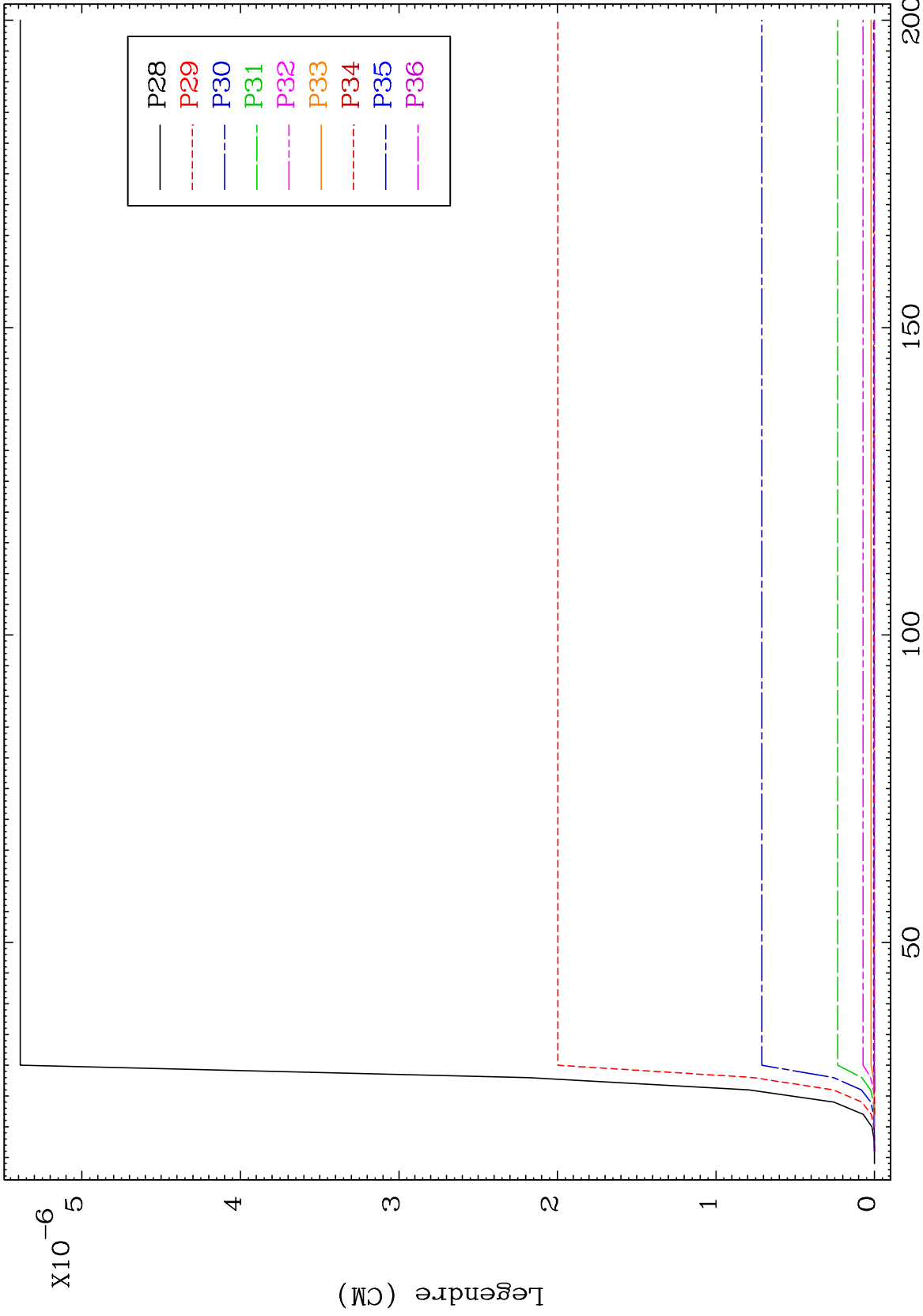
Incident Energy (MeV)

100

MAT 6161

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

61-Pm-151



101

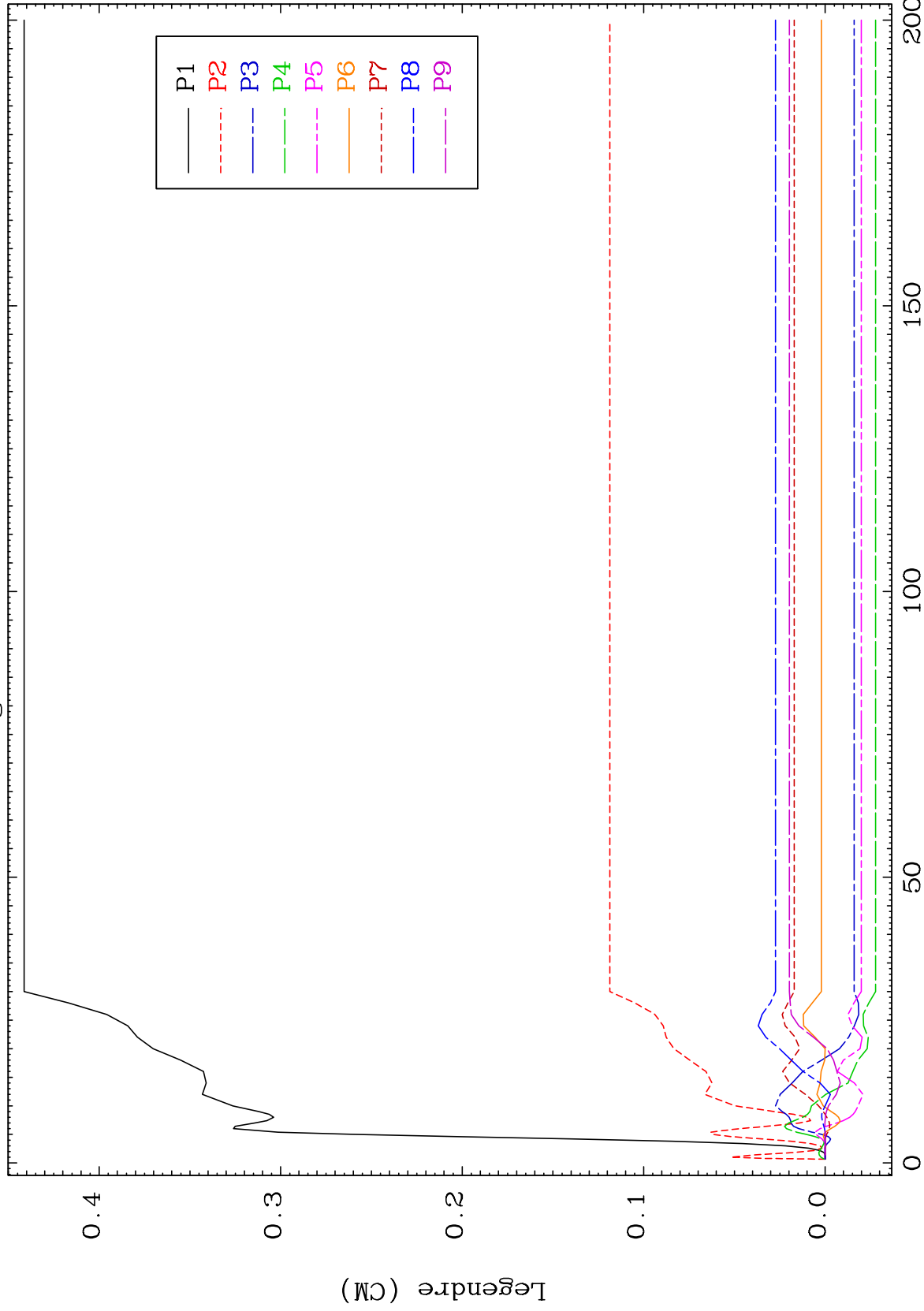
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

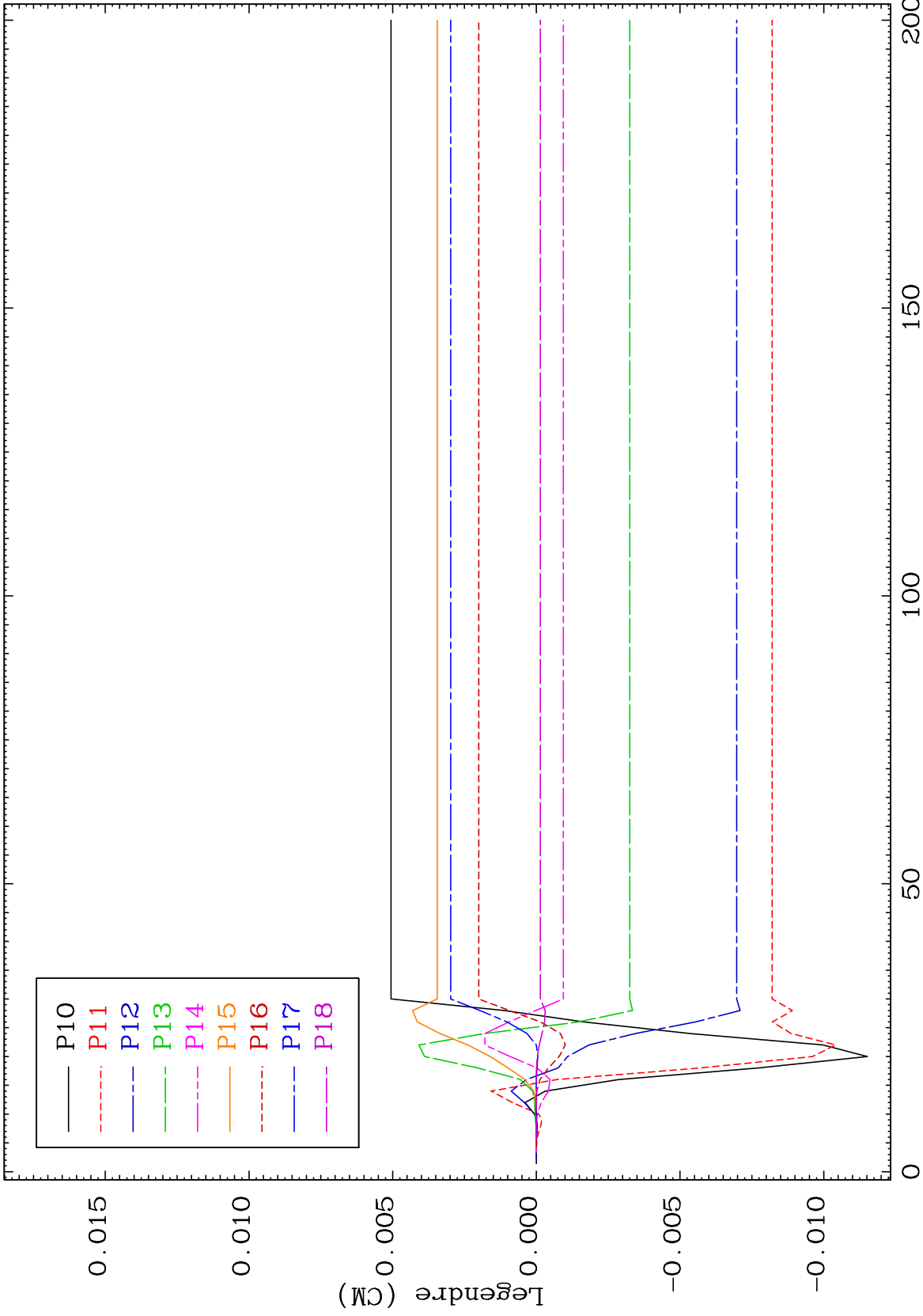
Incident Energy (MeV)

102

MAT 6161

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

61-Pm-151



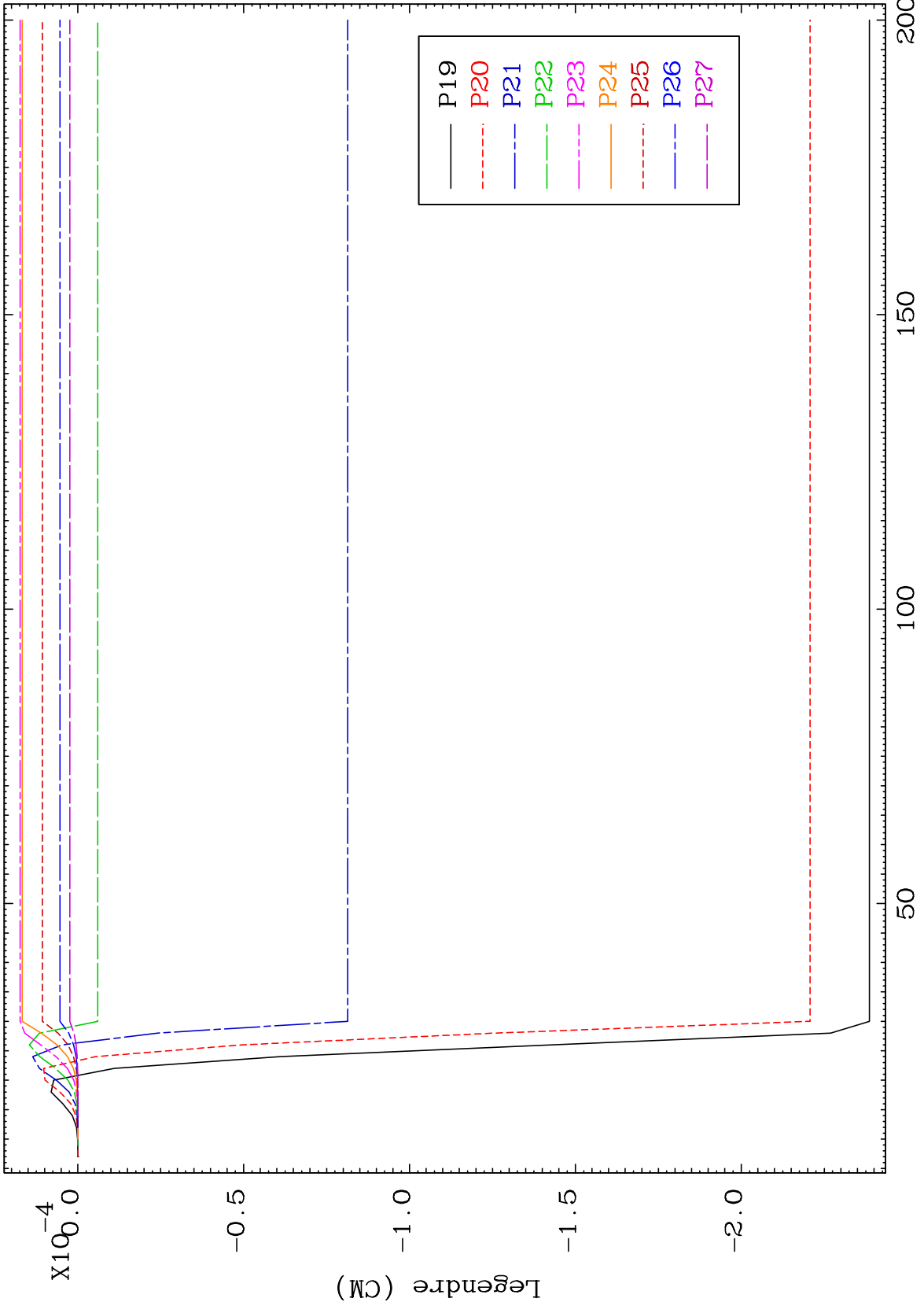
103

Incident Energy (MeV)

61-Pm-151



MAT 6161 MT= 73 (n,n') Level Legendre Coefficients 61-Pm-151

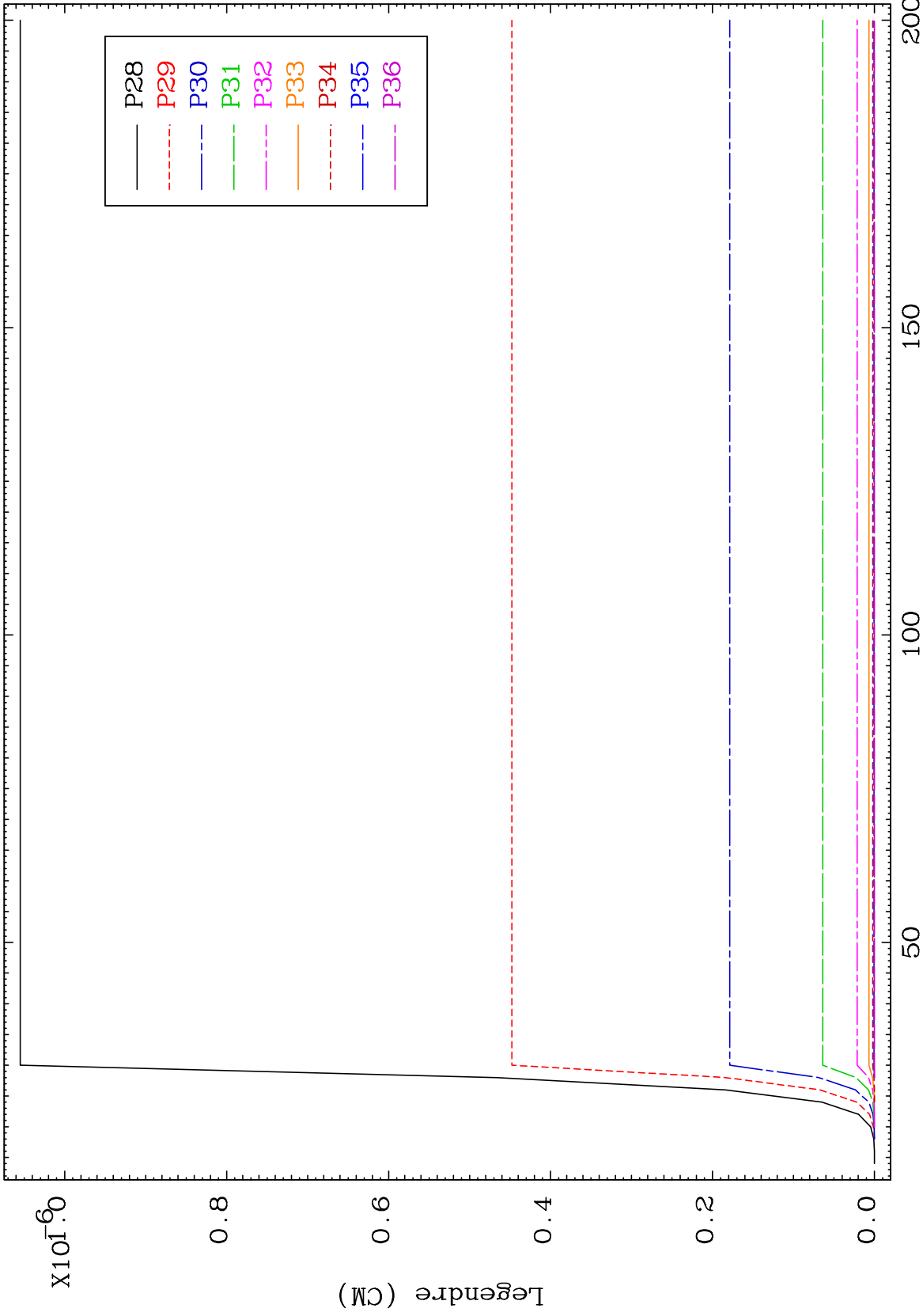


104 61-Pm-151

MAT 6161

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

61-Pm-151



105

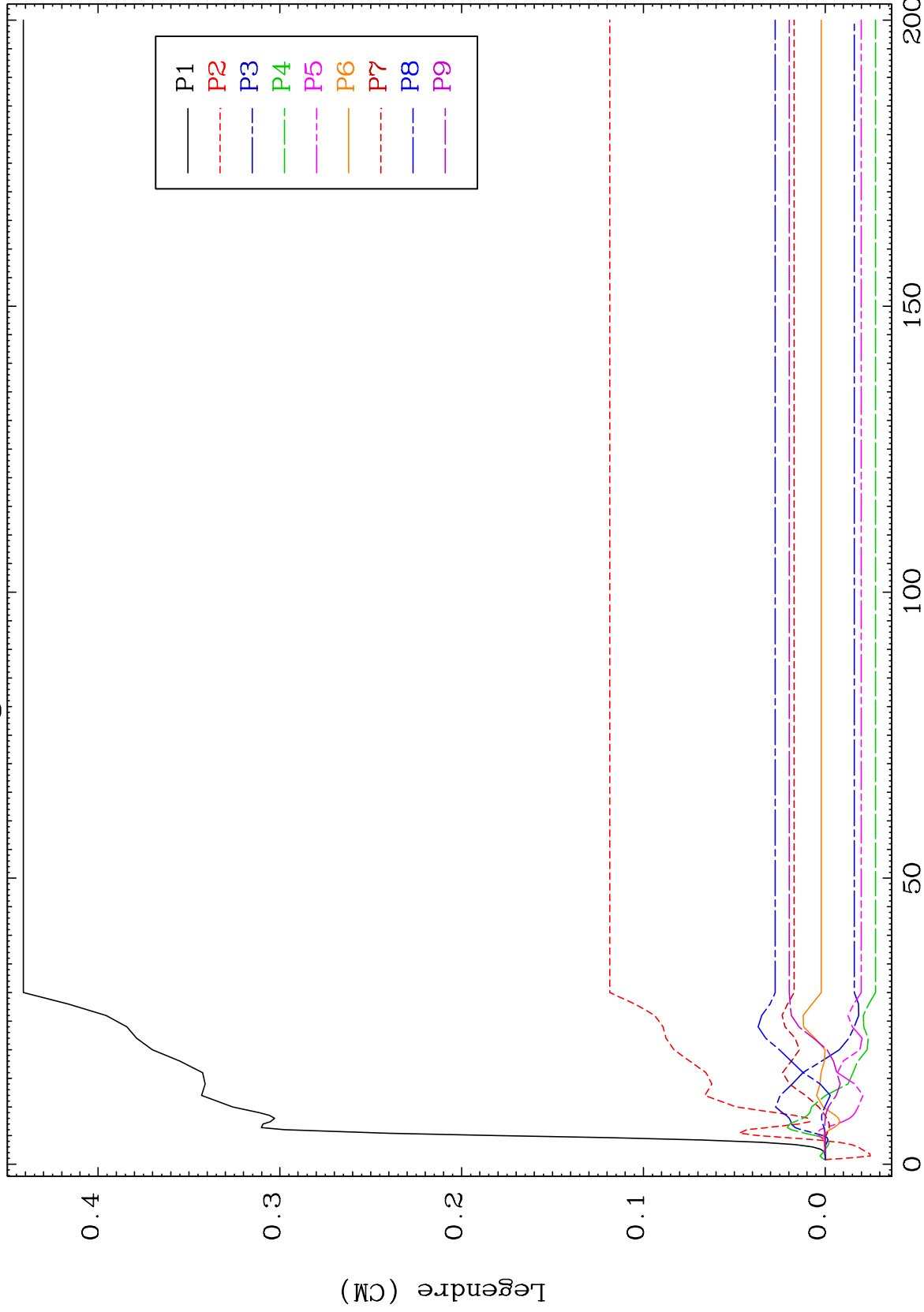
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

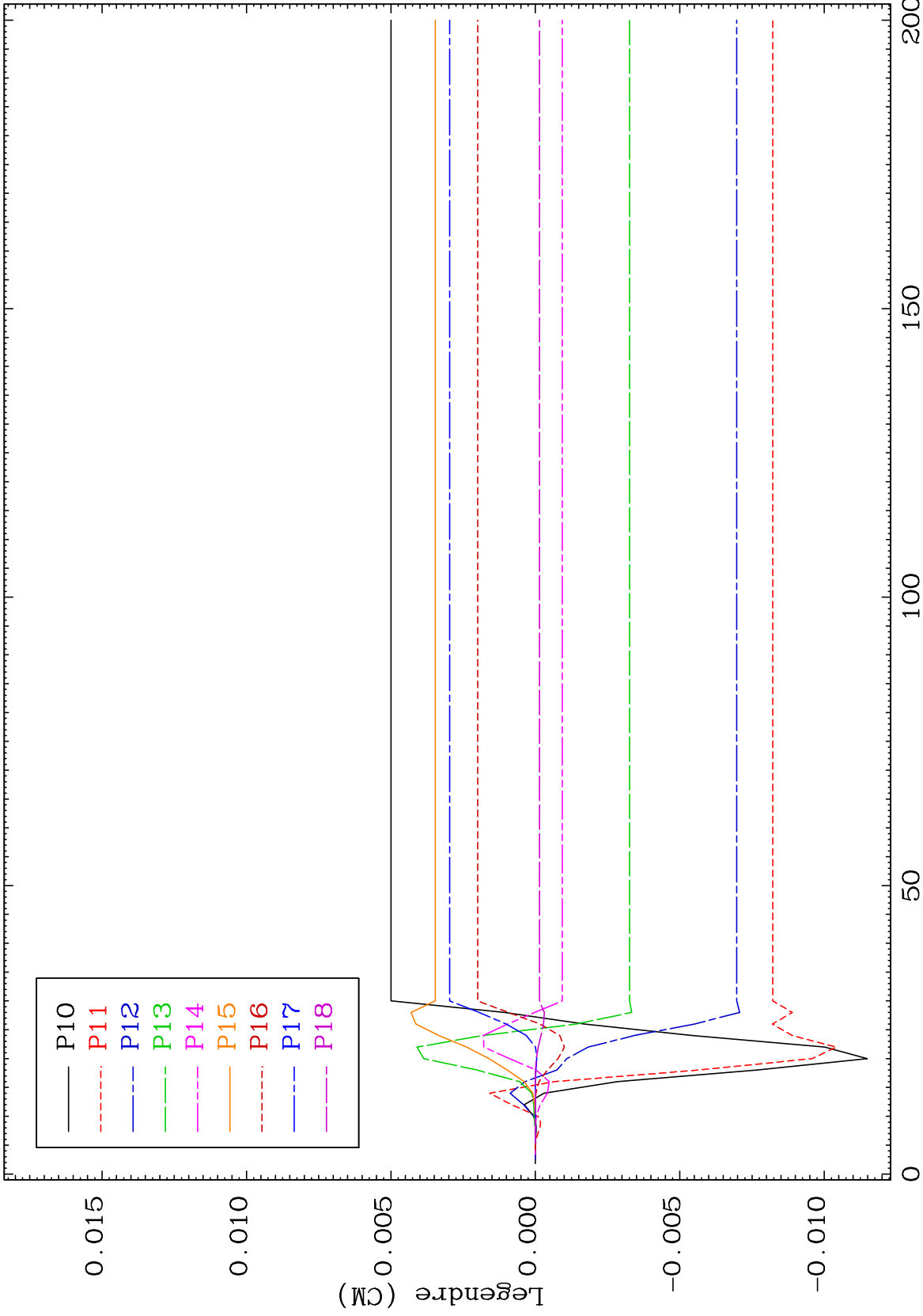
Incident Energy (MeV)

106

MAT 6161

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

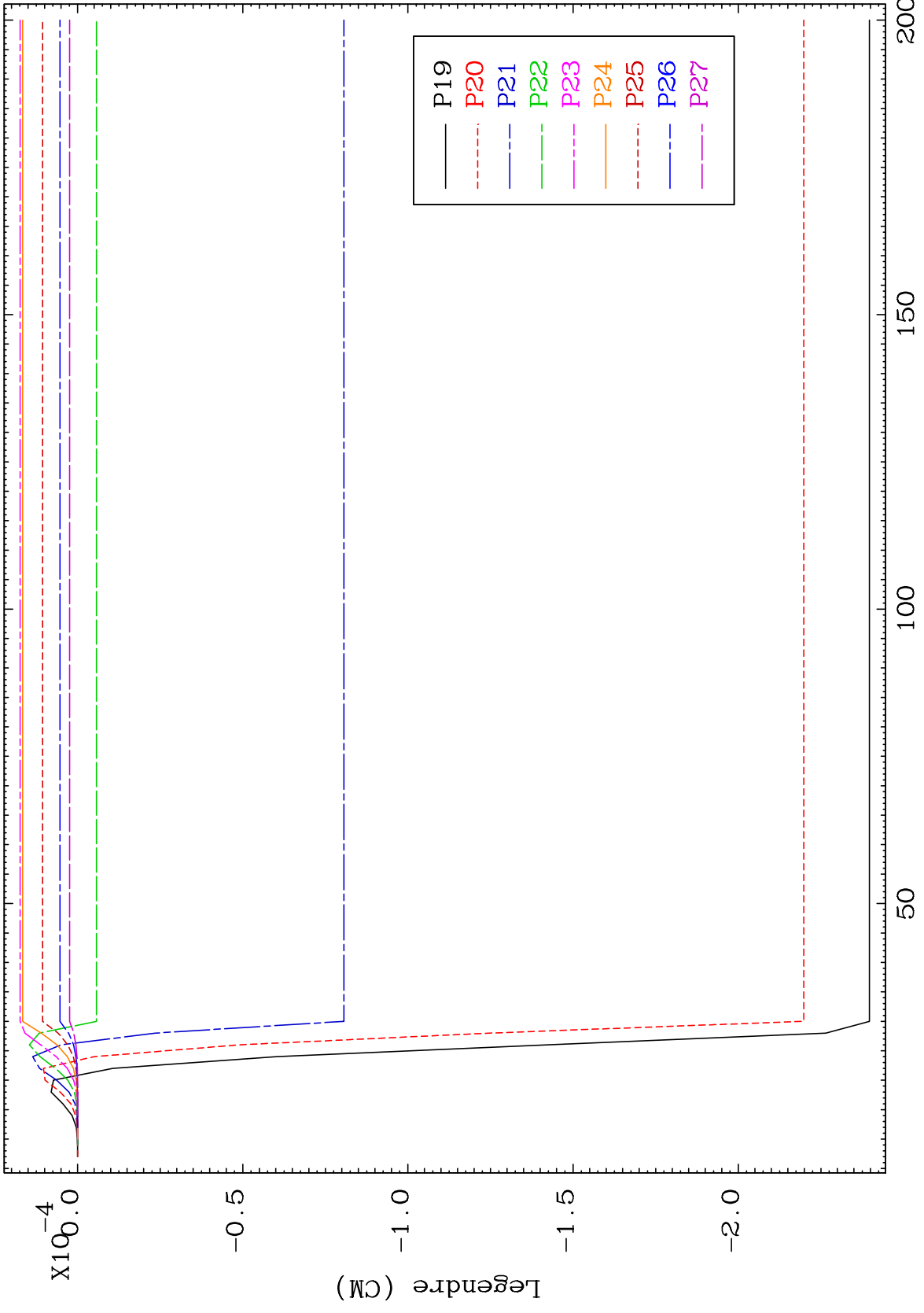
61-Pm-151



107

61-Pm-151

MAT 6161 MT= 74 (n,n') Level Legendre Coefficients 61-Pm-151

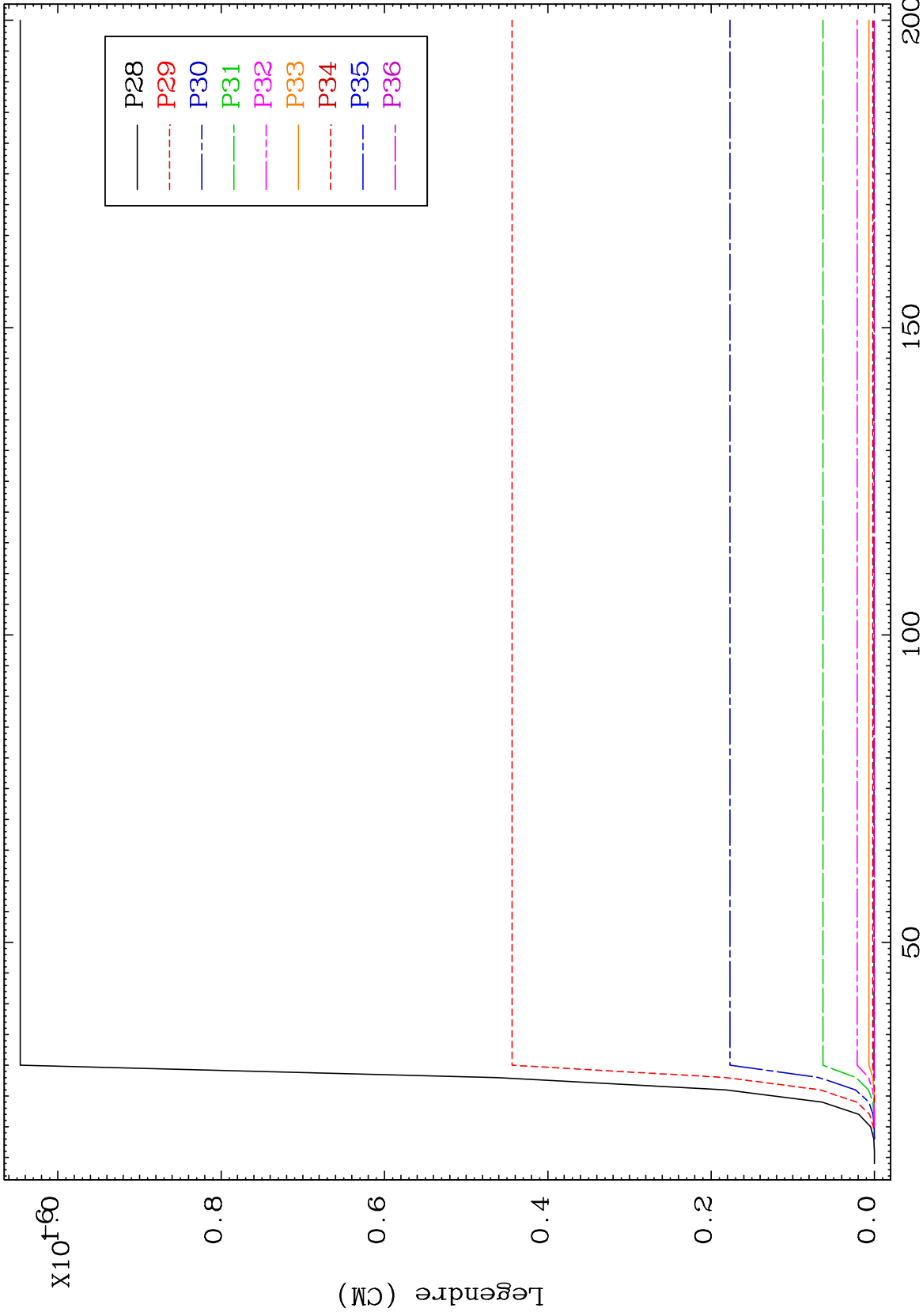


108 61-Pm-151

MAT 6161

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

61-Pm-151



109

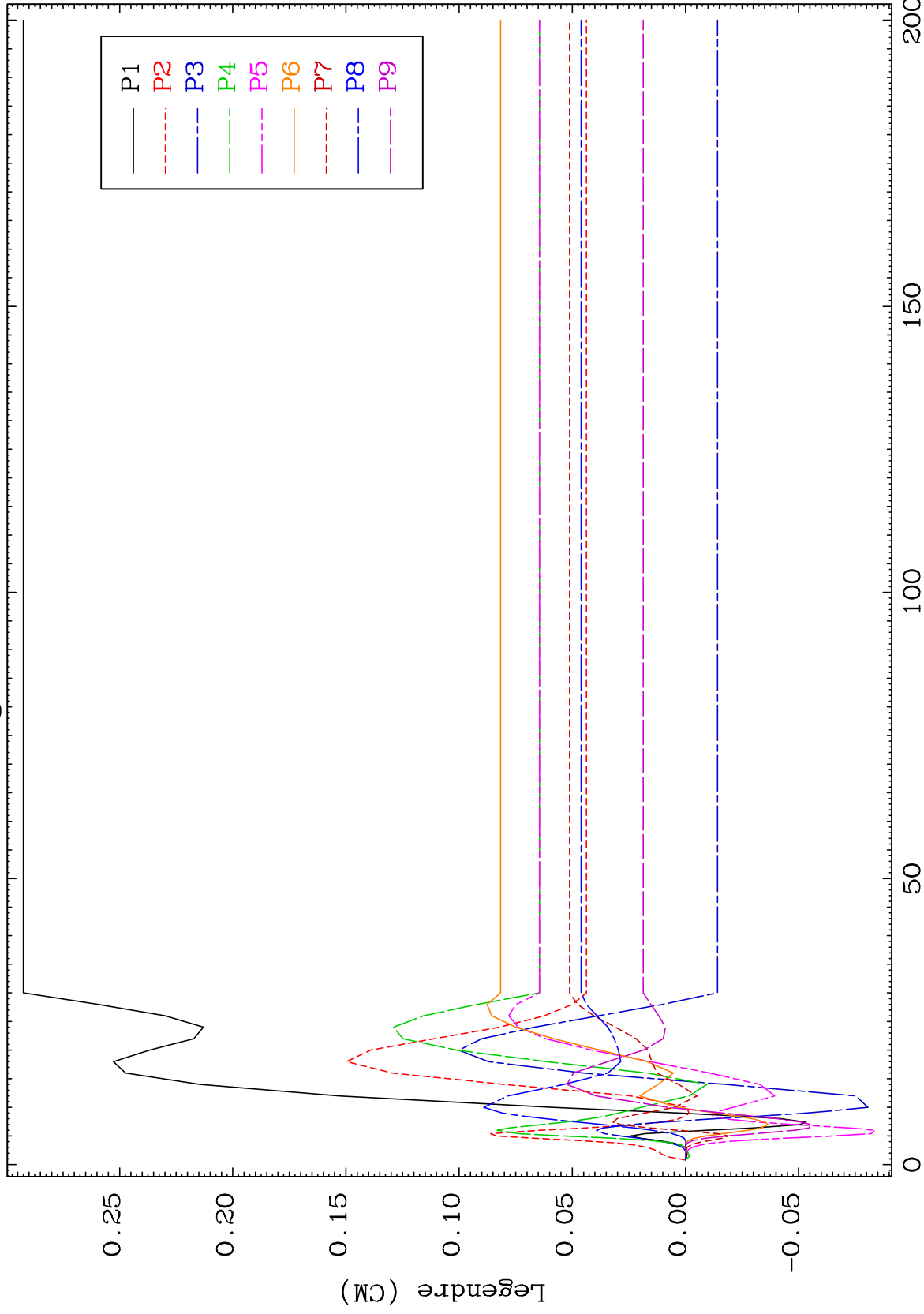
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

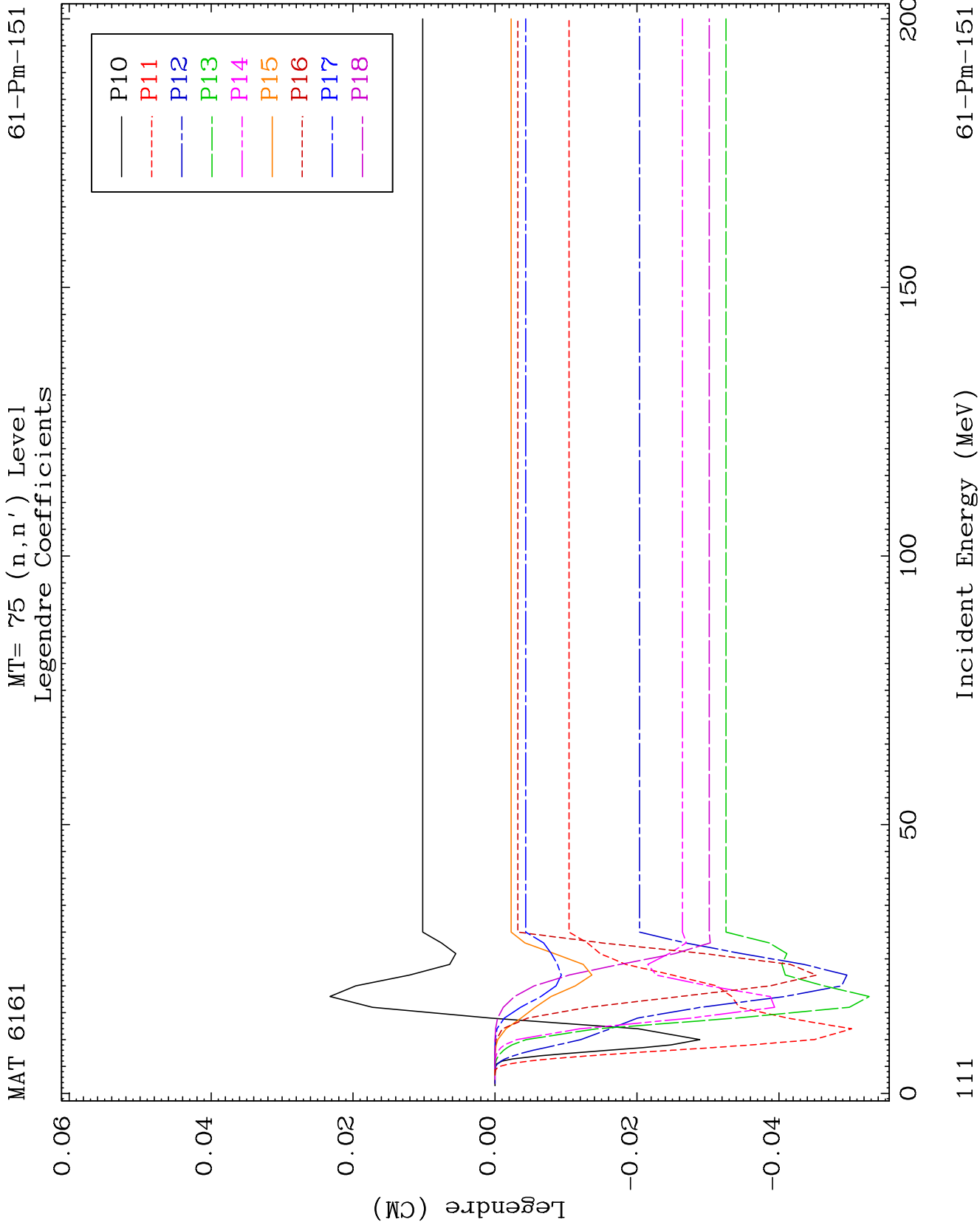
61-Pm-151



61-Pm-151

Incident Energy (MeV)

110

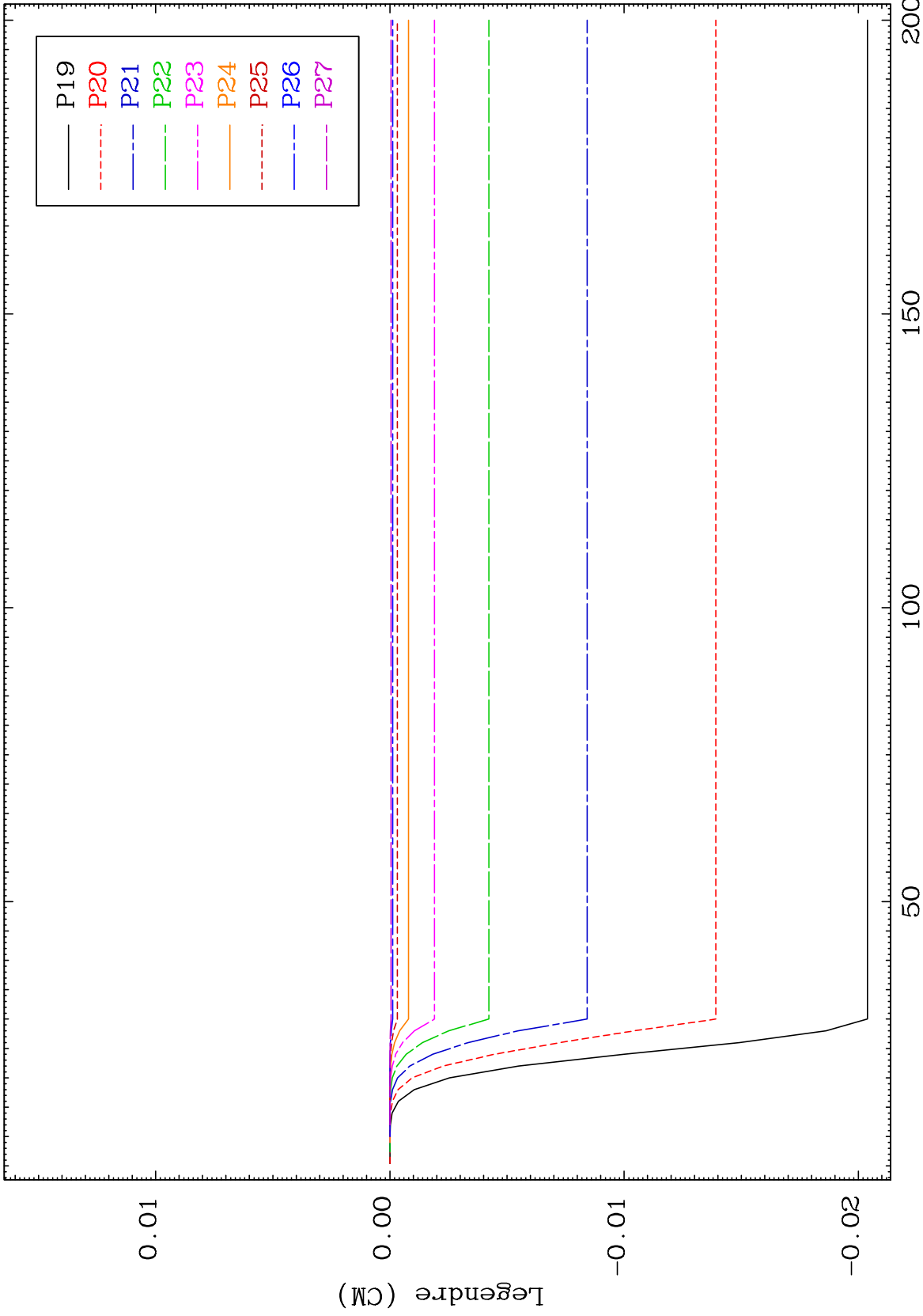




MAT 6161

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

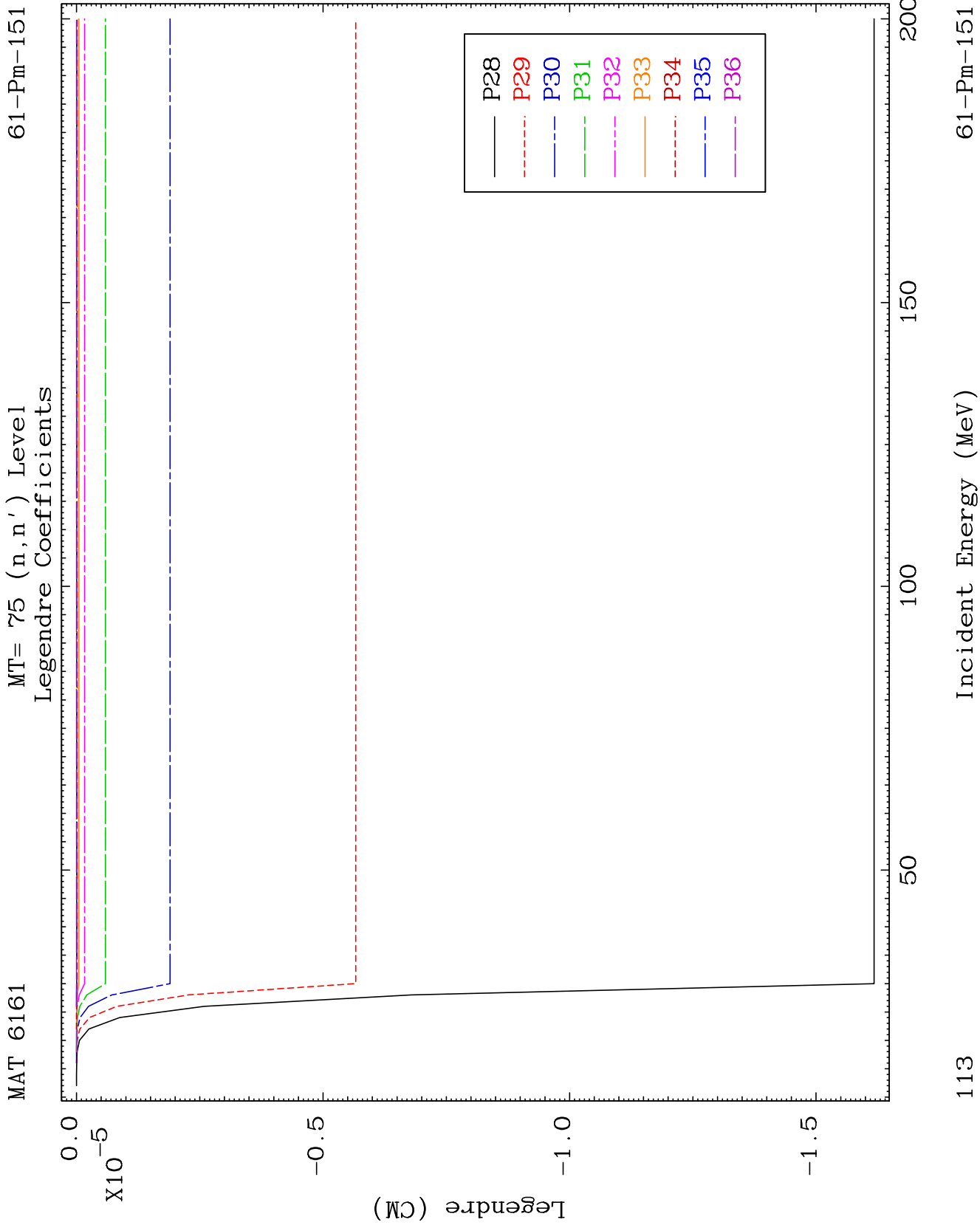
61-Pm-151



112

Incident Energy (MeV)

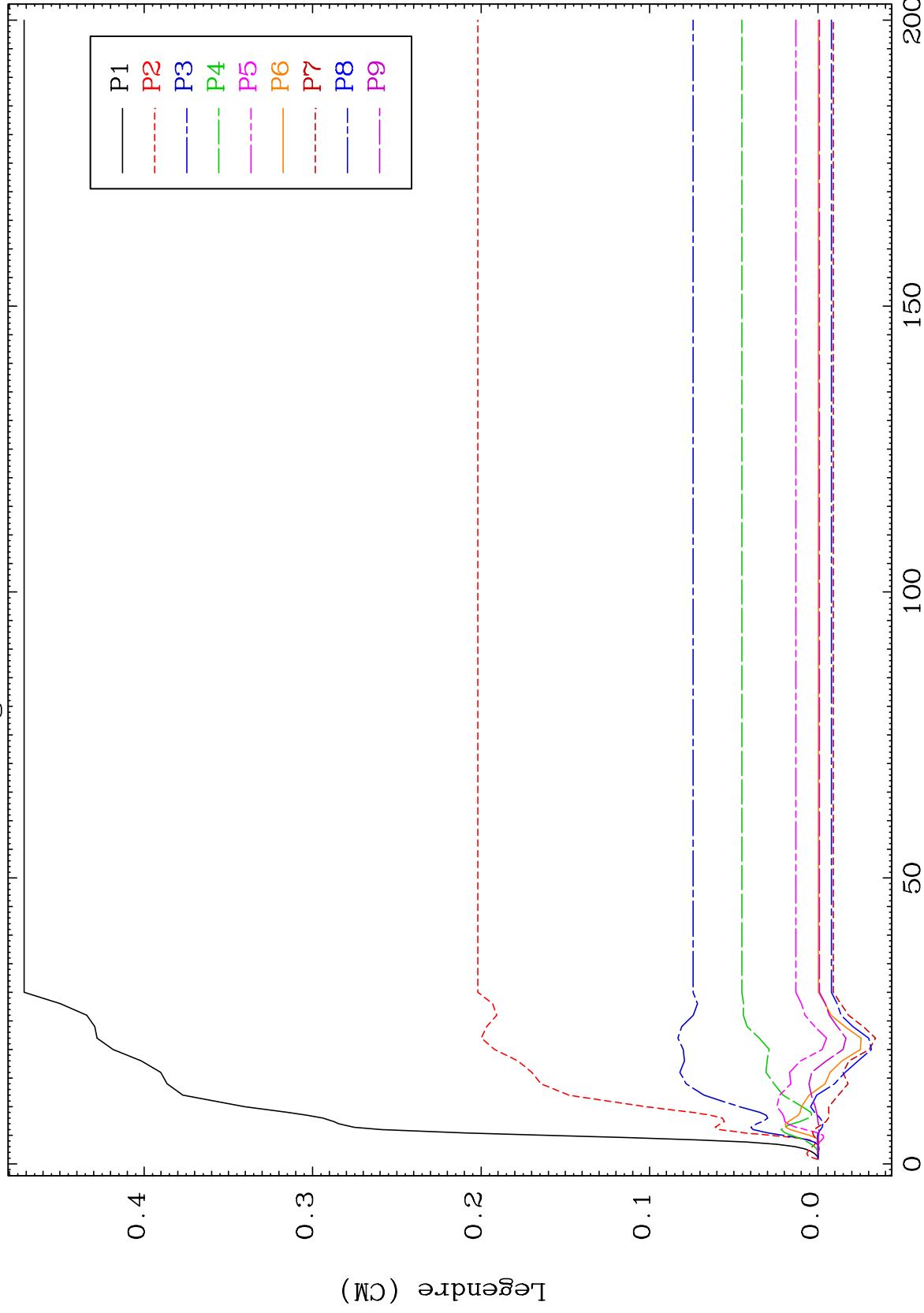
61-Pm-151



MAT 6161

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

61-Pm-151



114

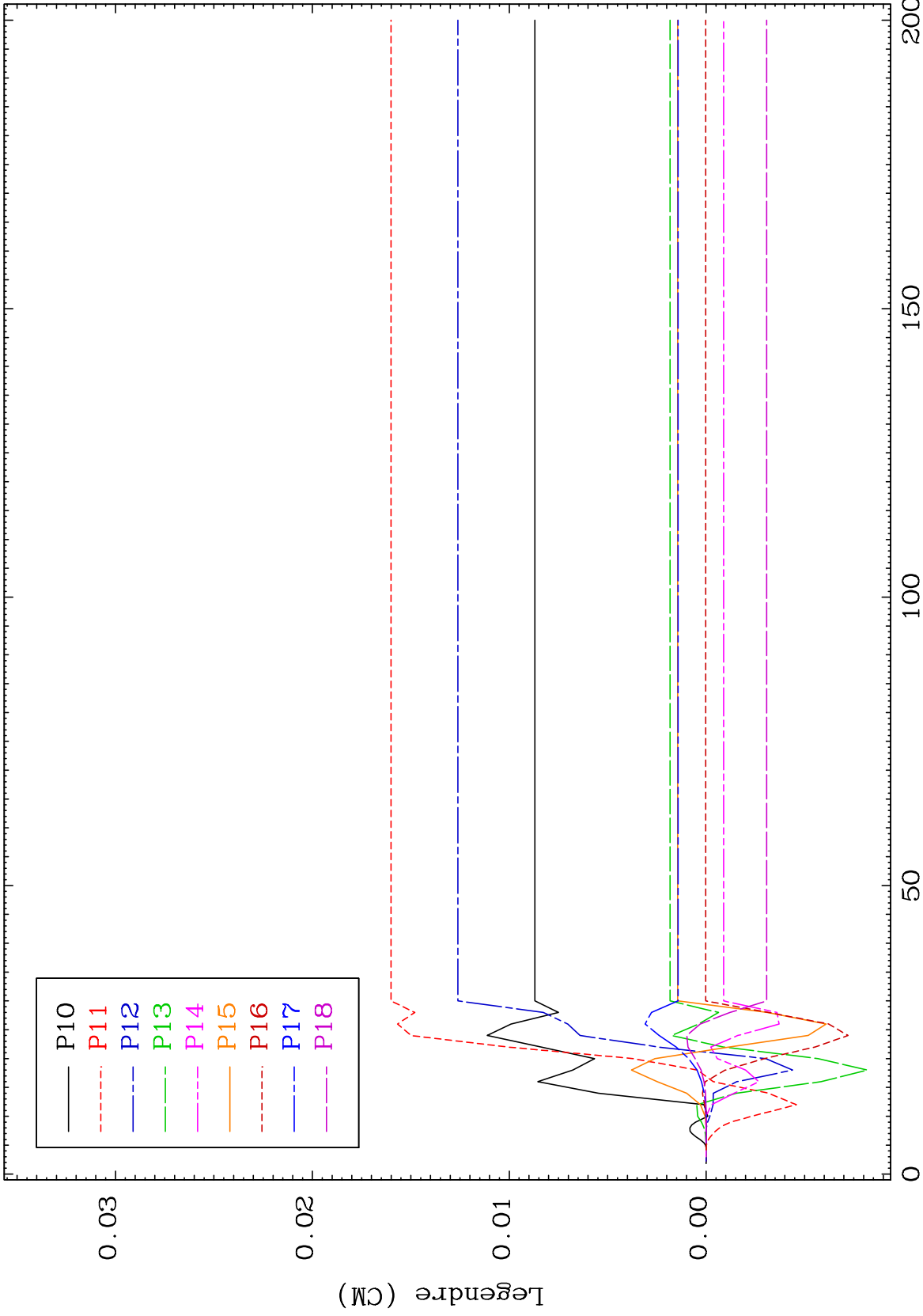
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



115

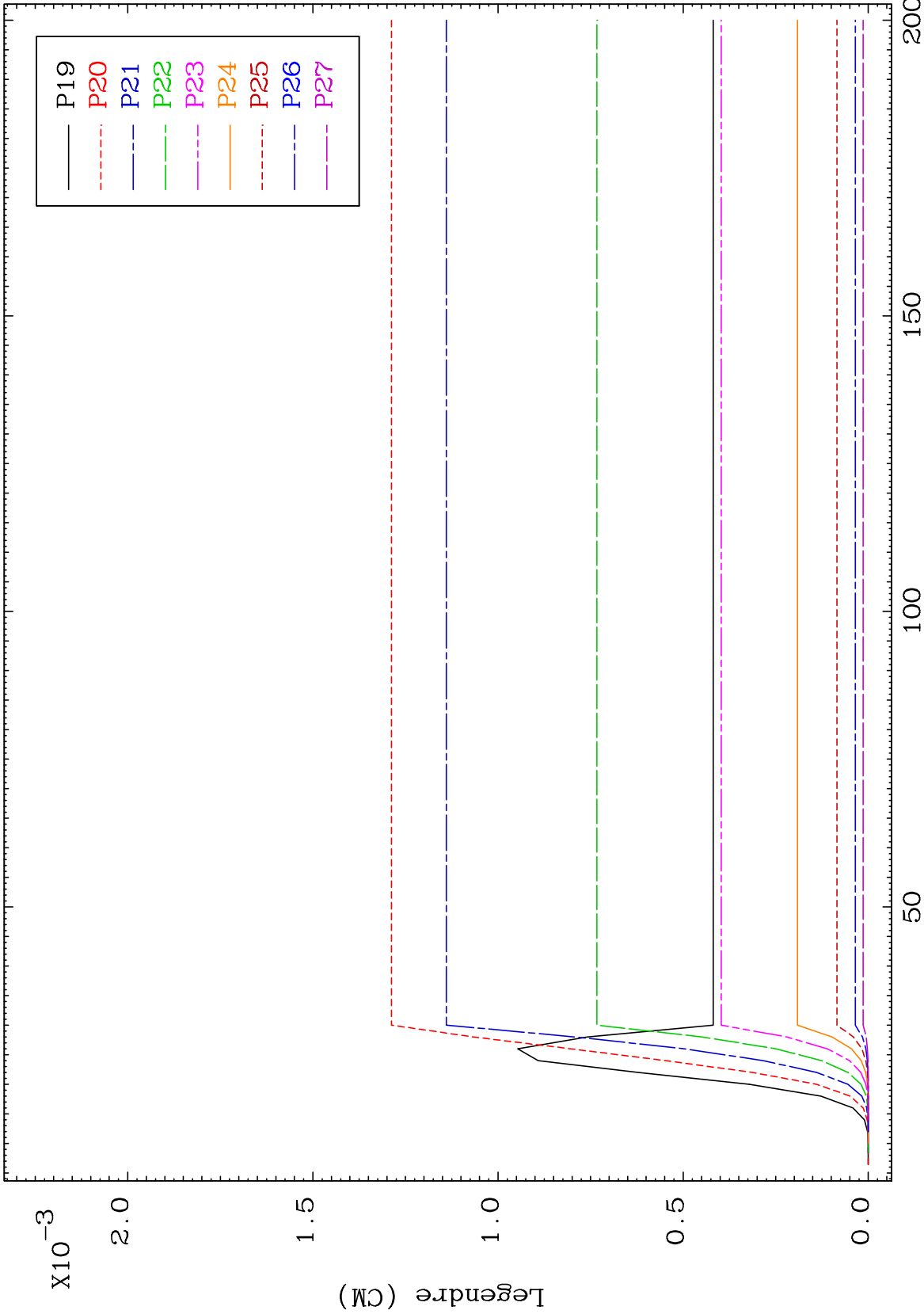
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



116

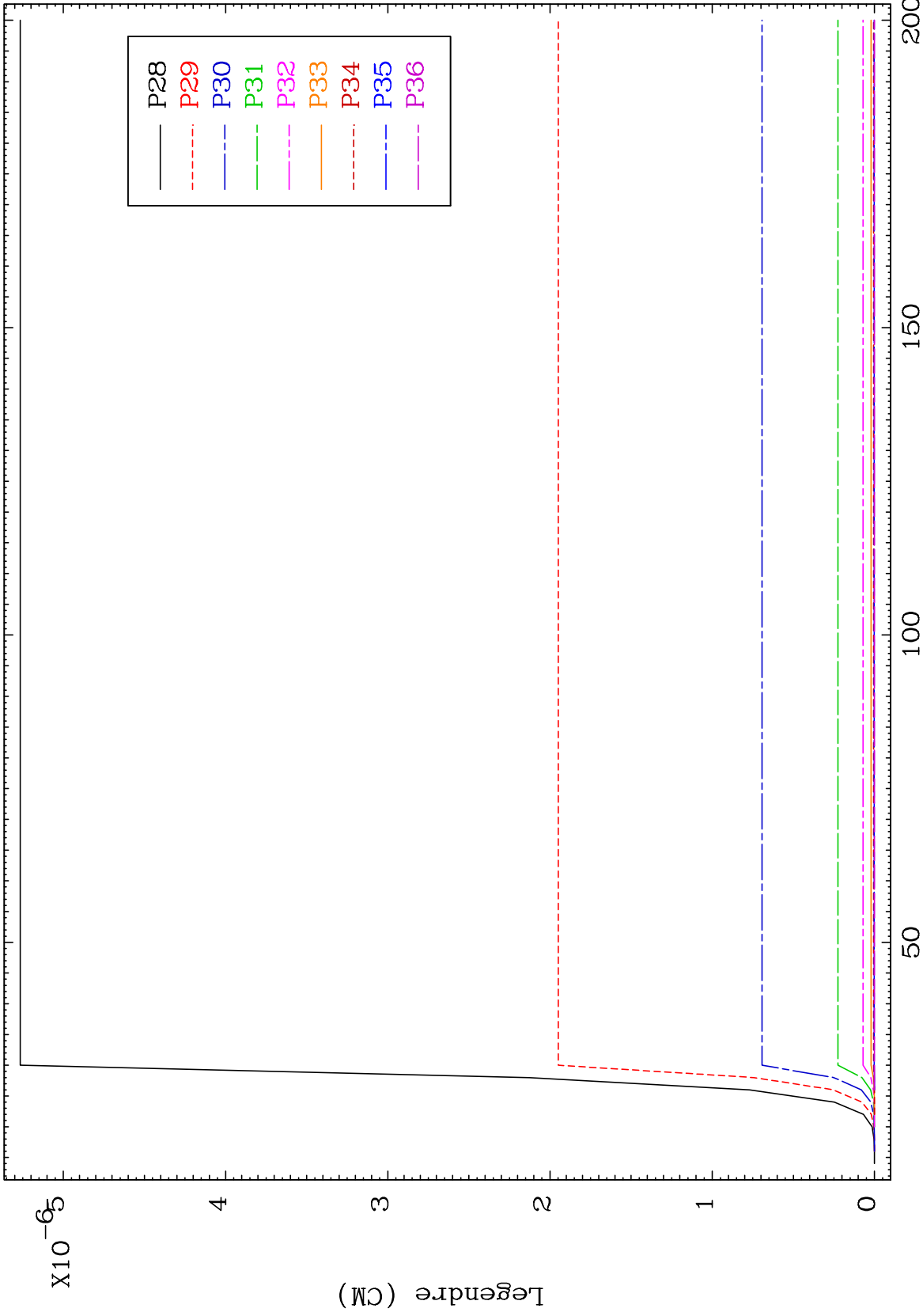
Incident Energy (MeV)

61-Pm-151

MAT 6161

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

61-Pm-151



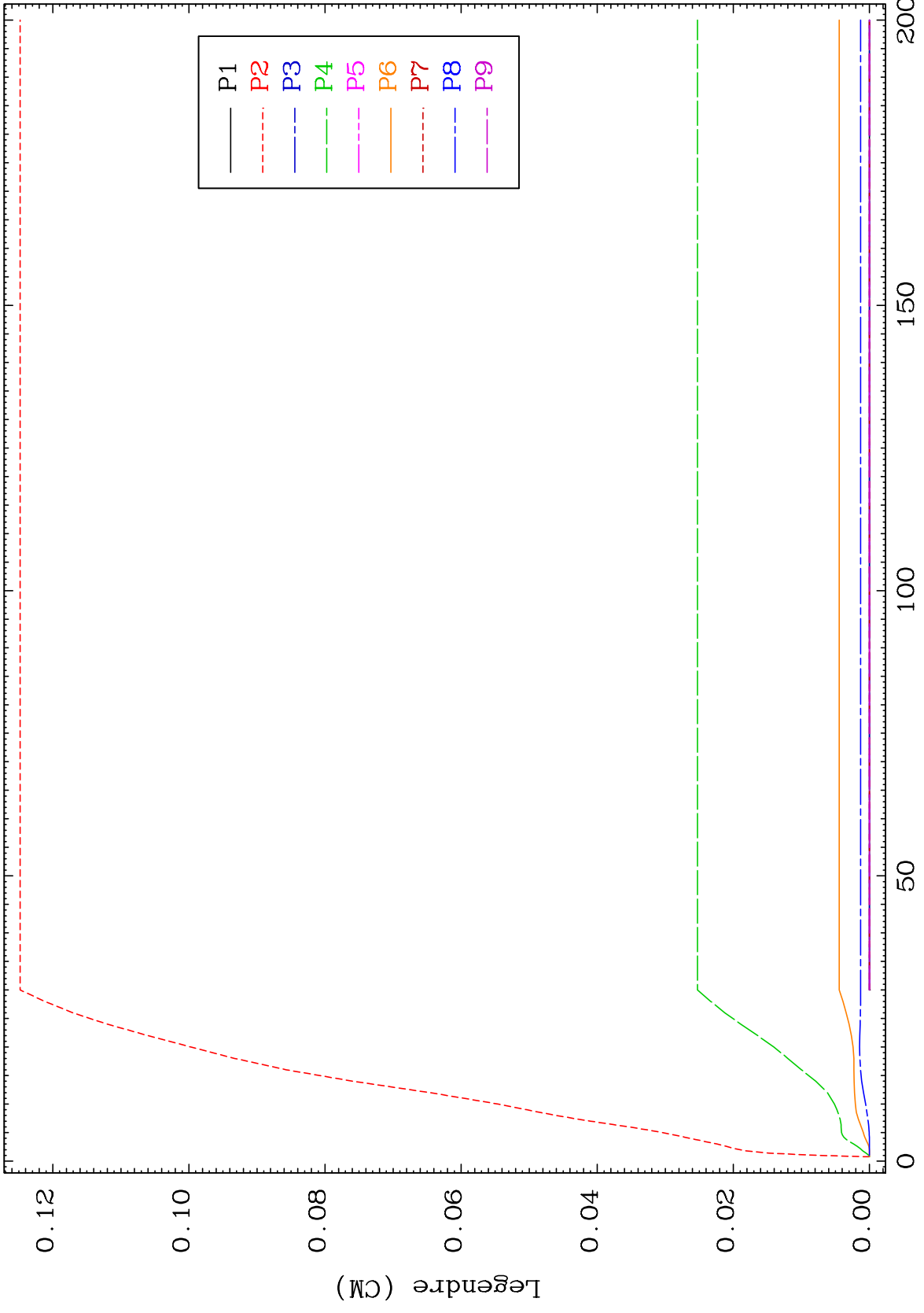
117

61-Pm-151

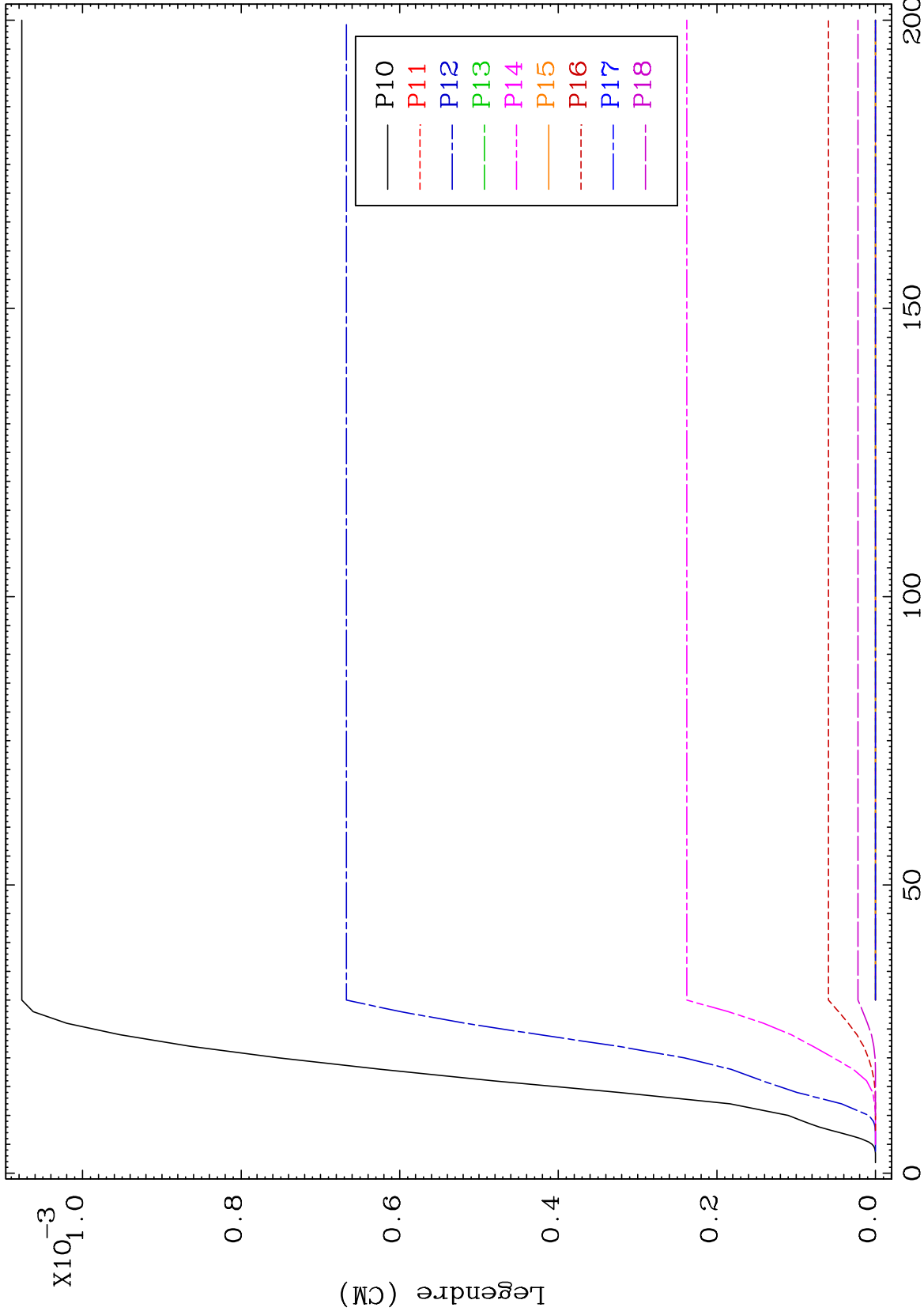
MAT 6161 MT= 77 (n,n') Level Legendre Coefficients

61-Pm-151

61-Pm-151

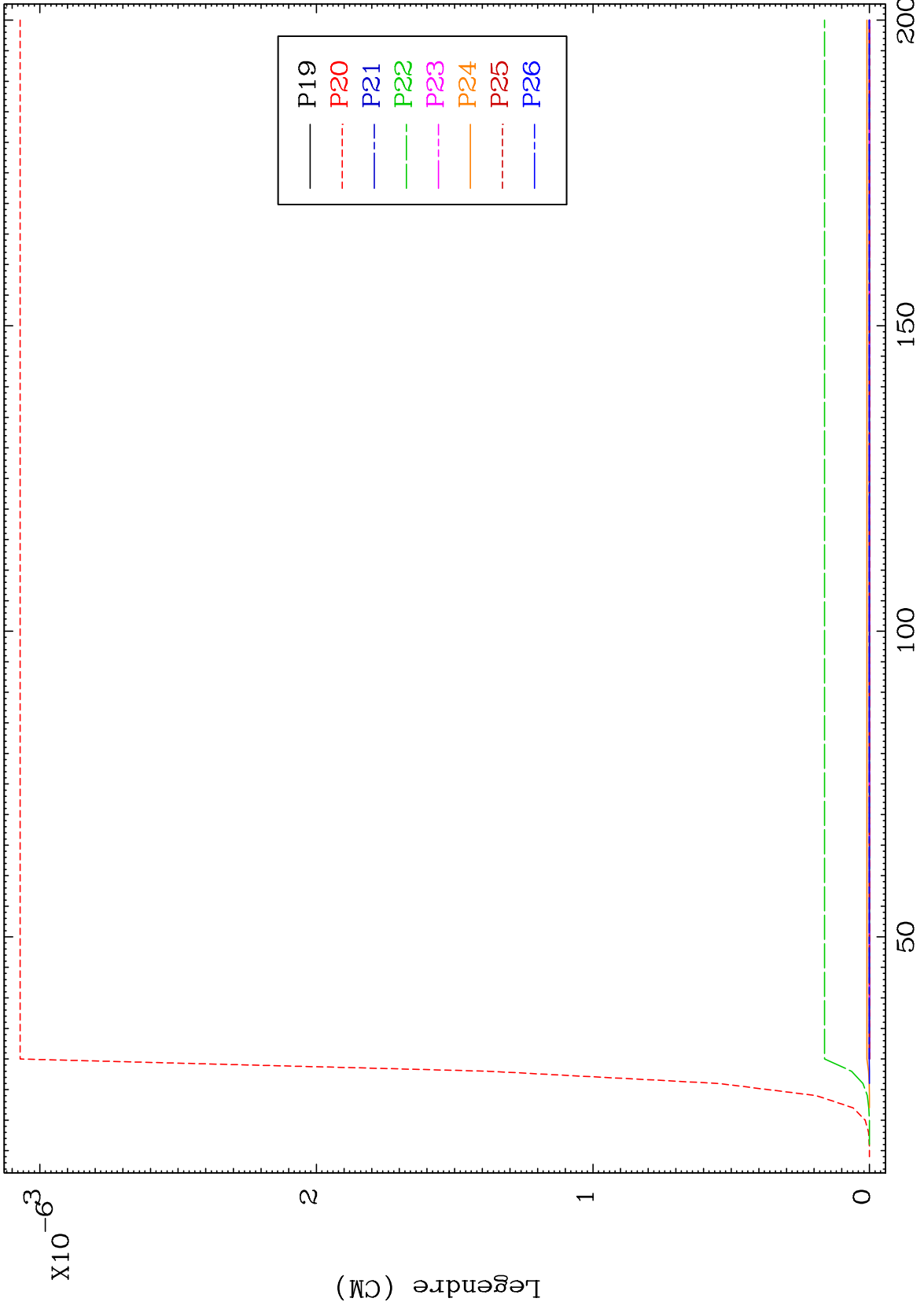


118

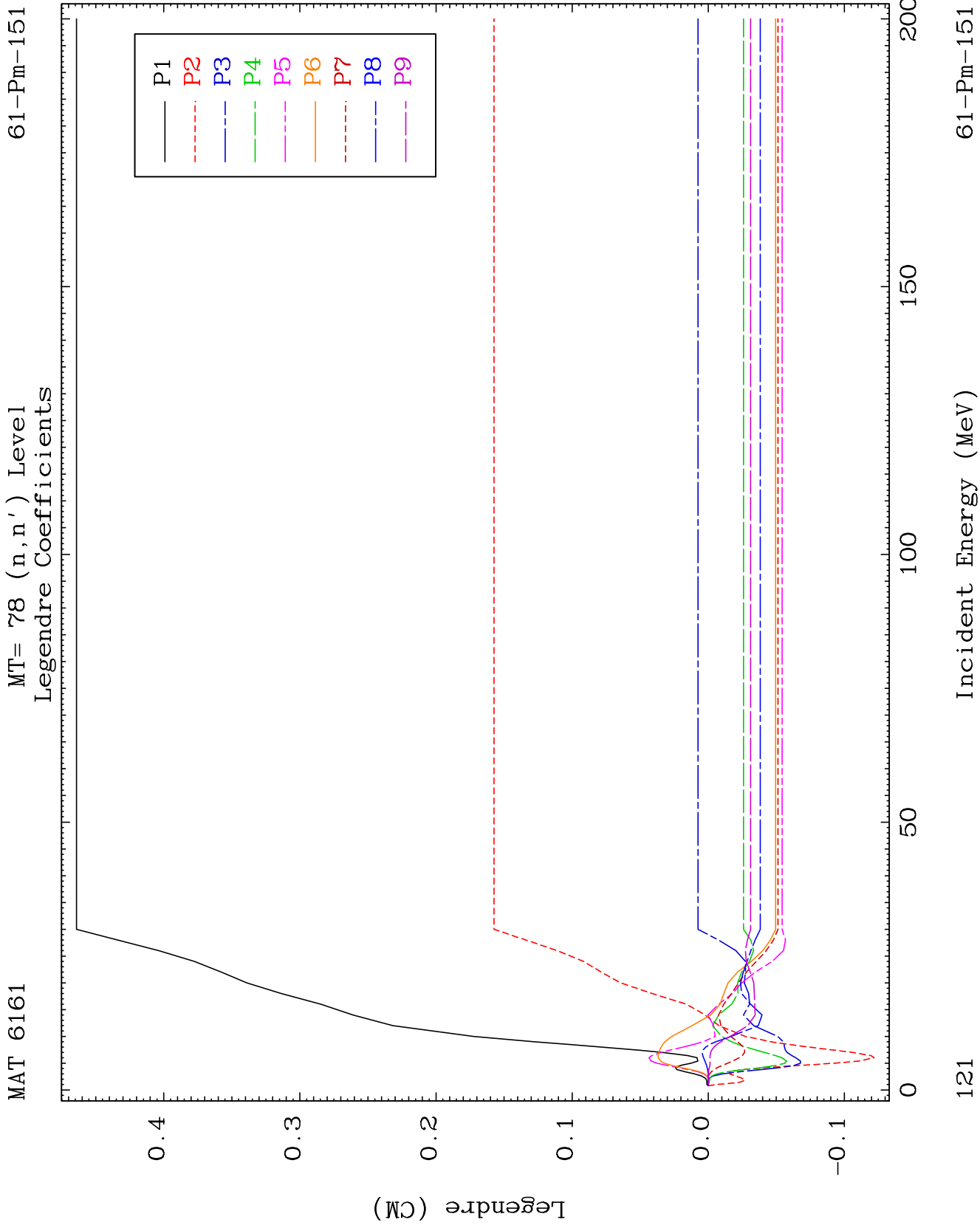


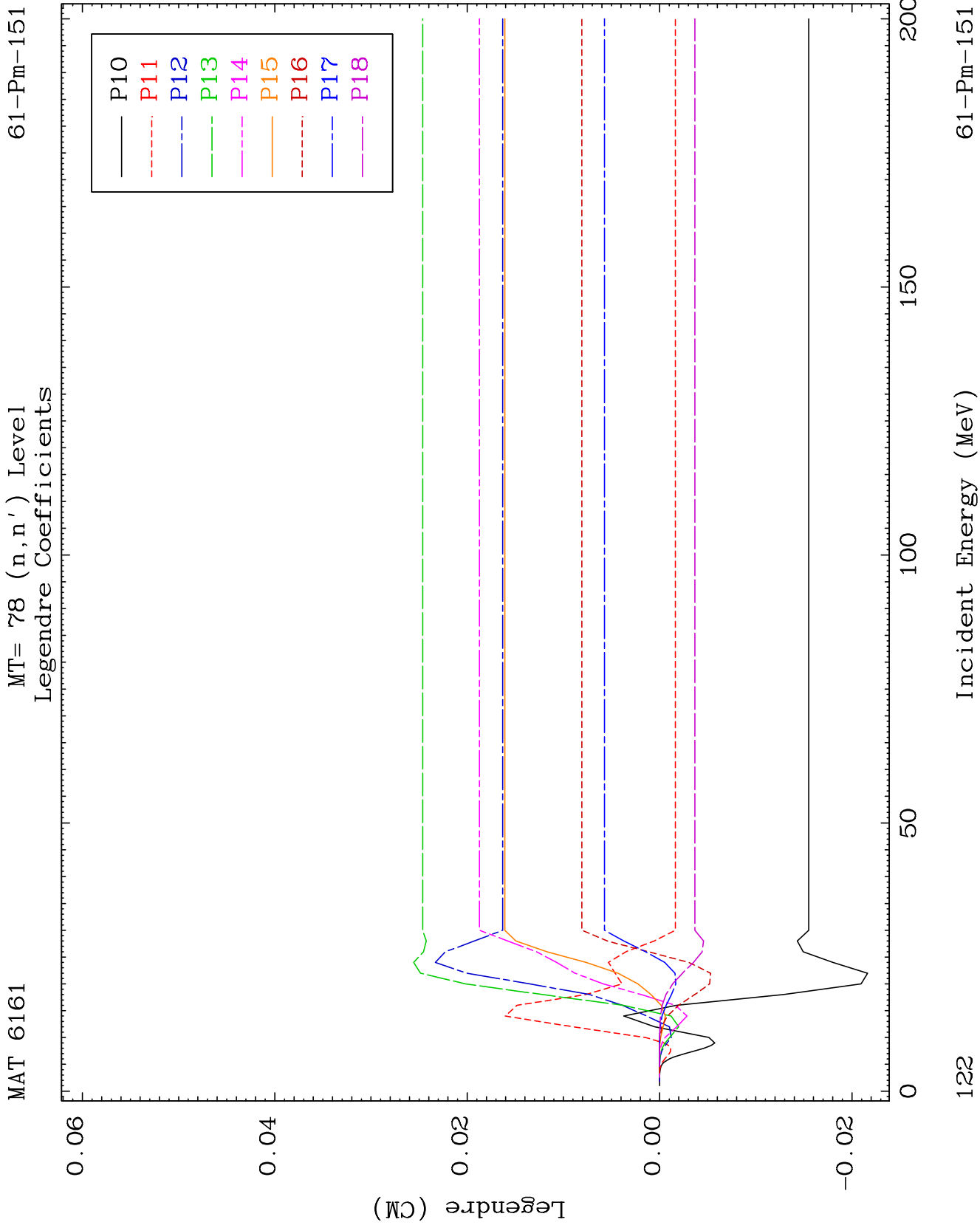


MAT 6161 MT= 77 (n,n') Level Legendre Coefficients 61-Pm-151



61-Pm-151

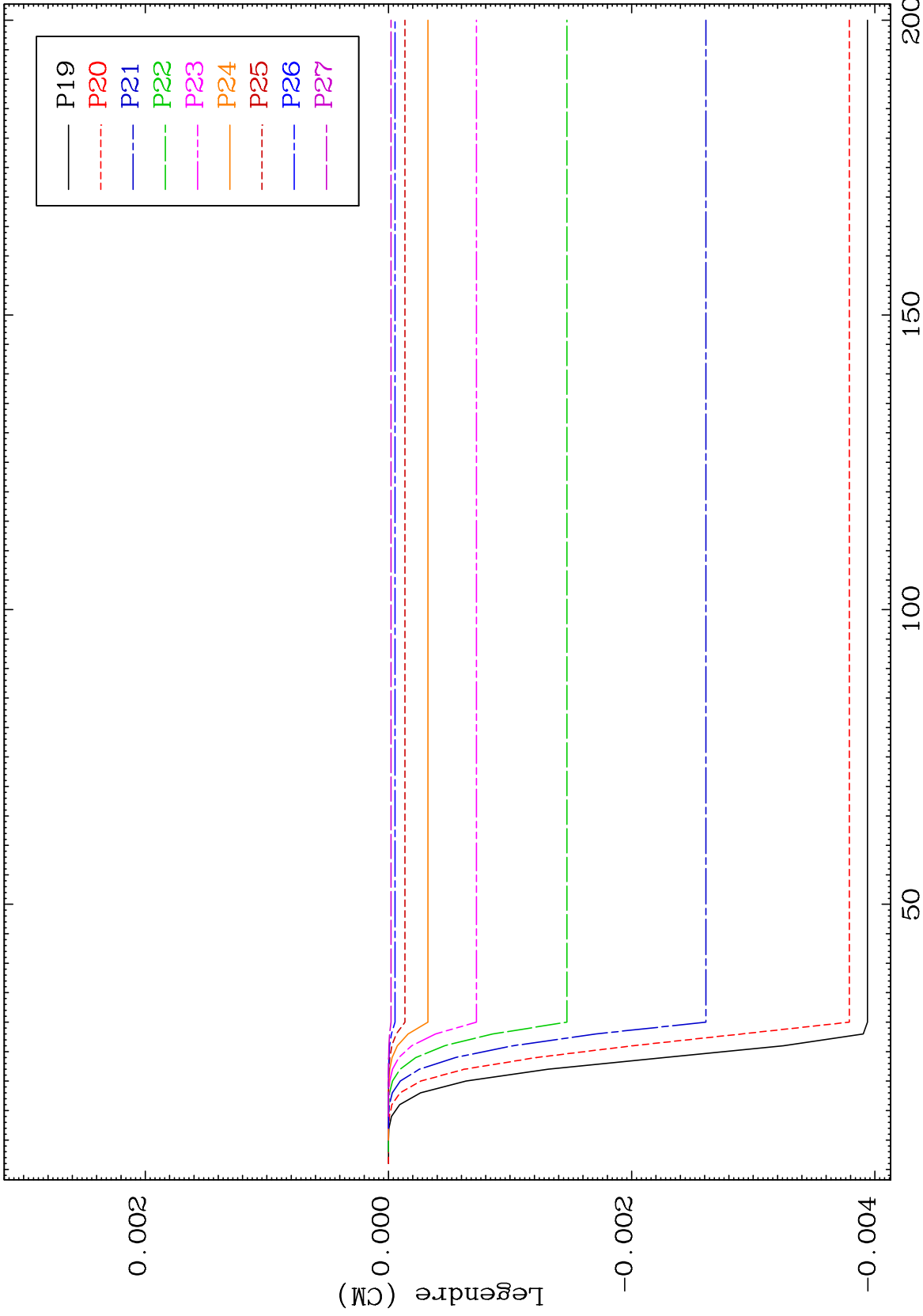




MAT 6161

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

61-Pm-151

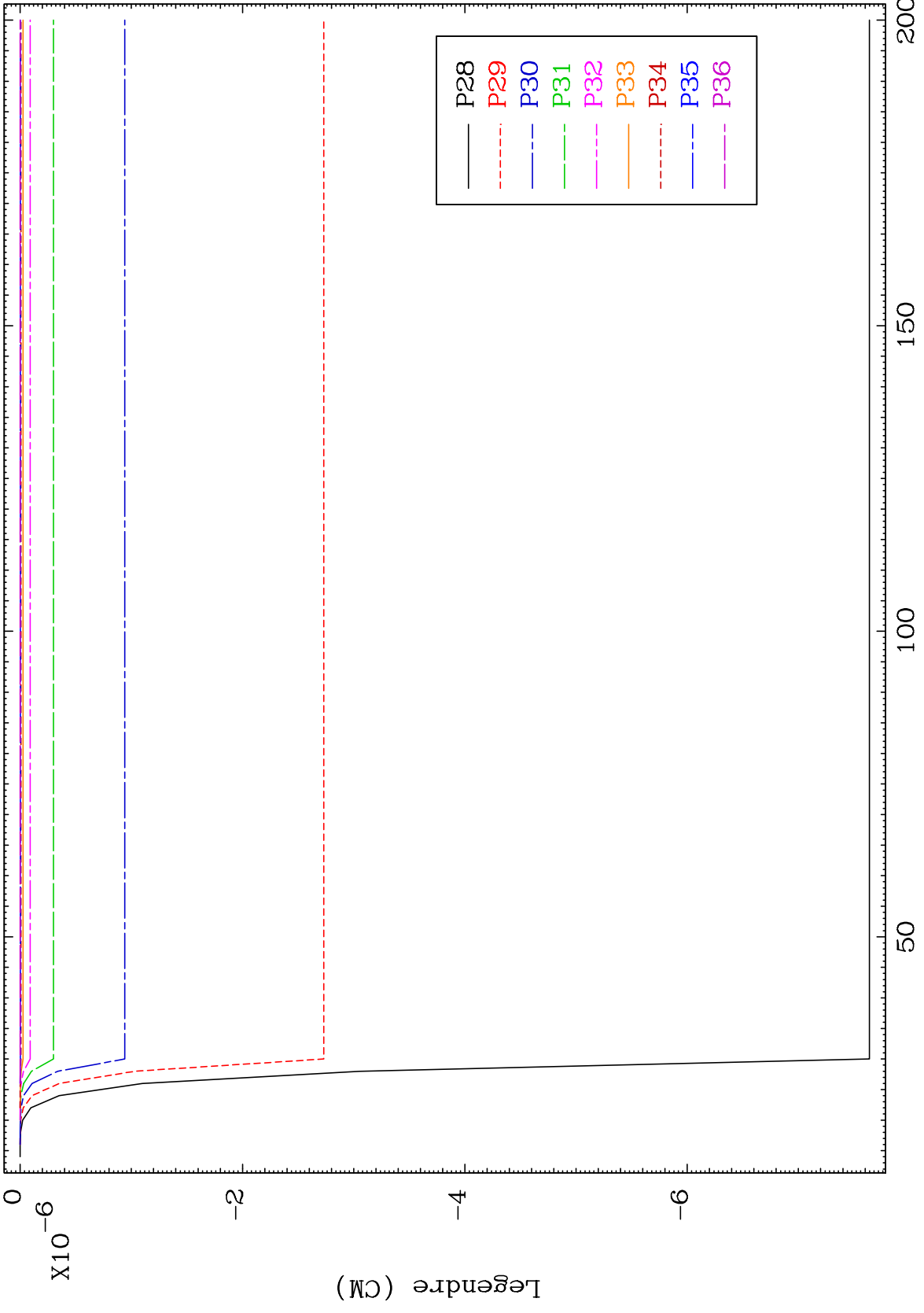


123

Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 78 (n,n') Level Legendre Coefficients 61-Pm-151

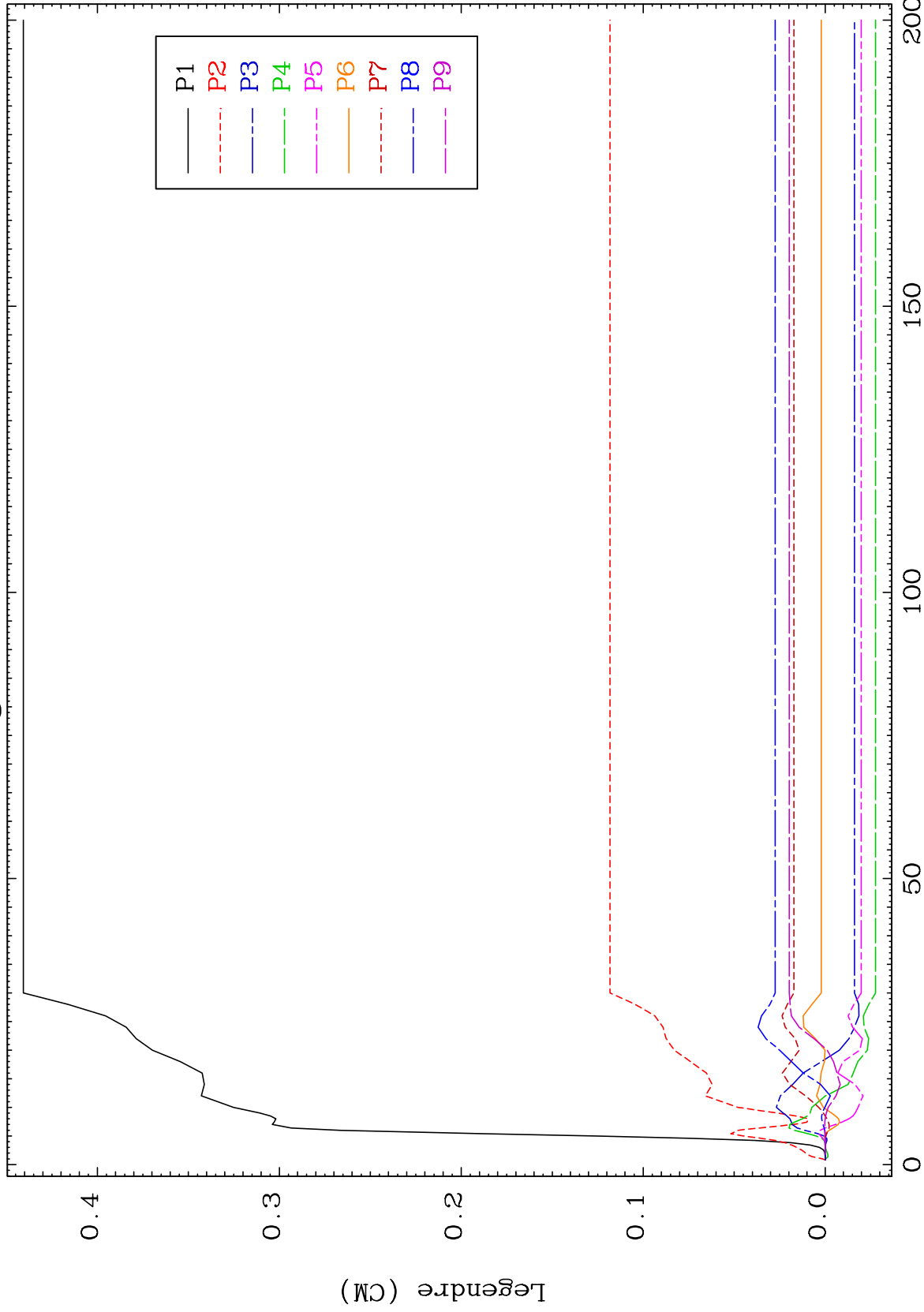


124 61-Pm-151

MAT 6161

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

61-Pm-151



61-Pm-151

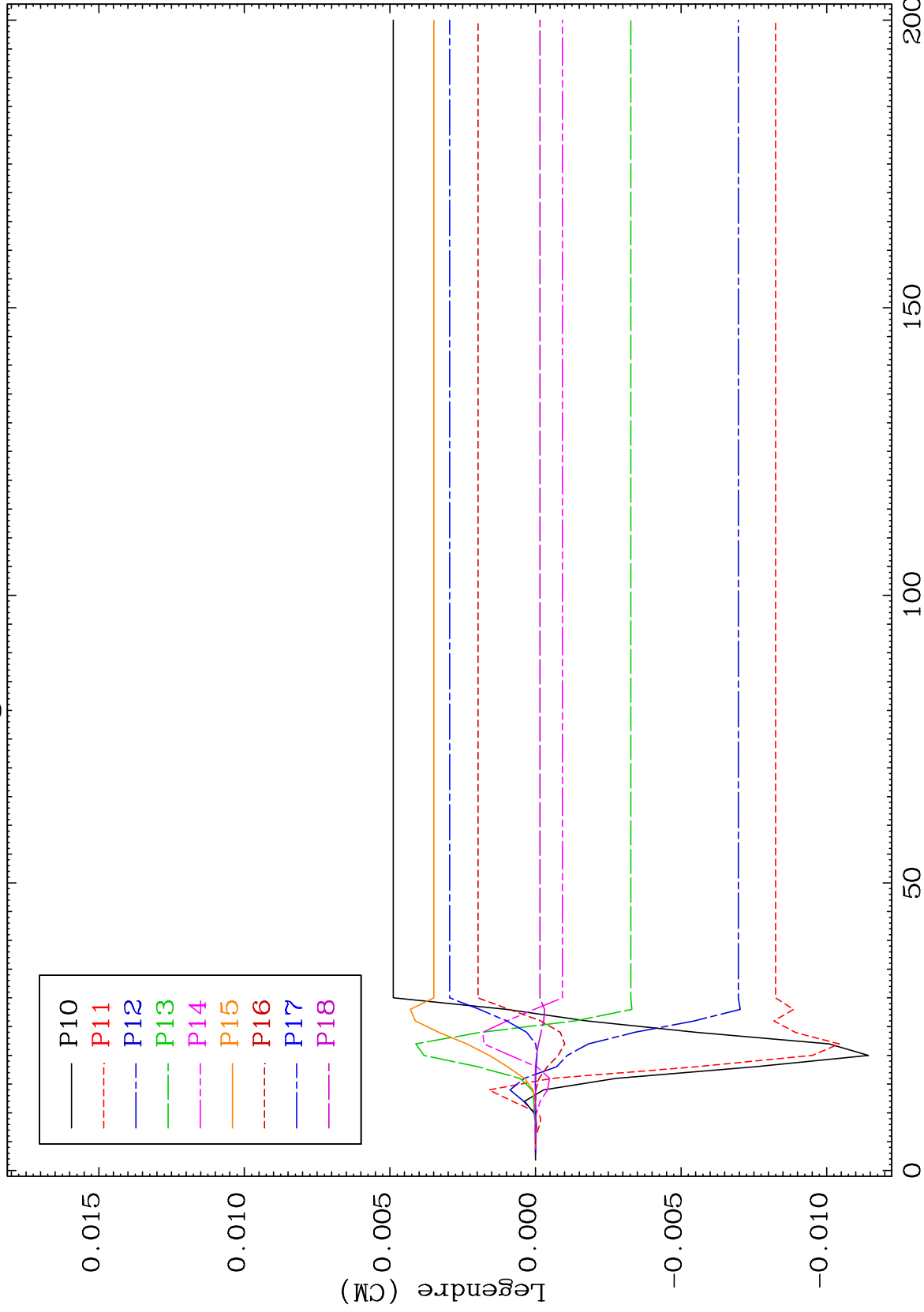
Incident Energy (MeV)

125

MAT 6161

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

61-Pm-151

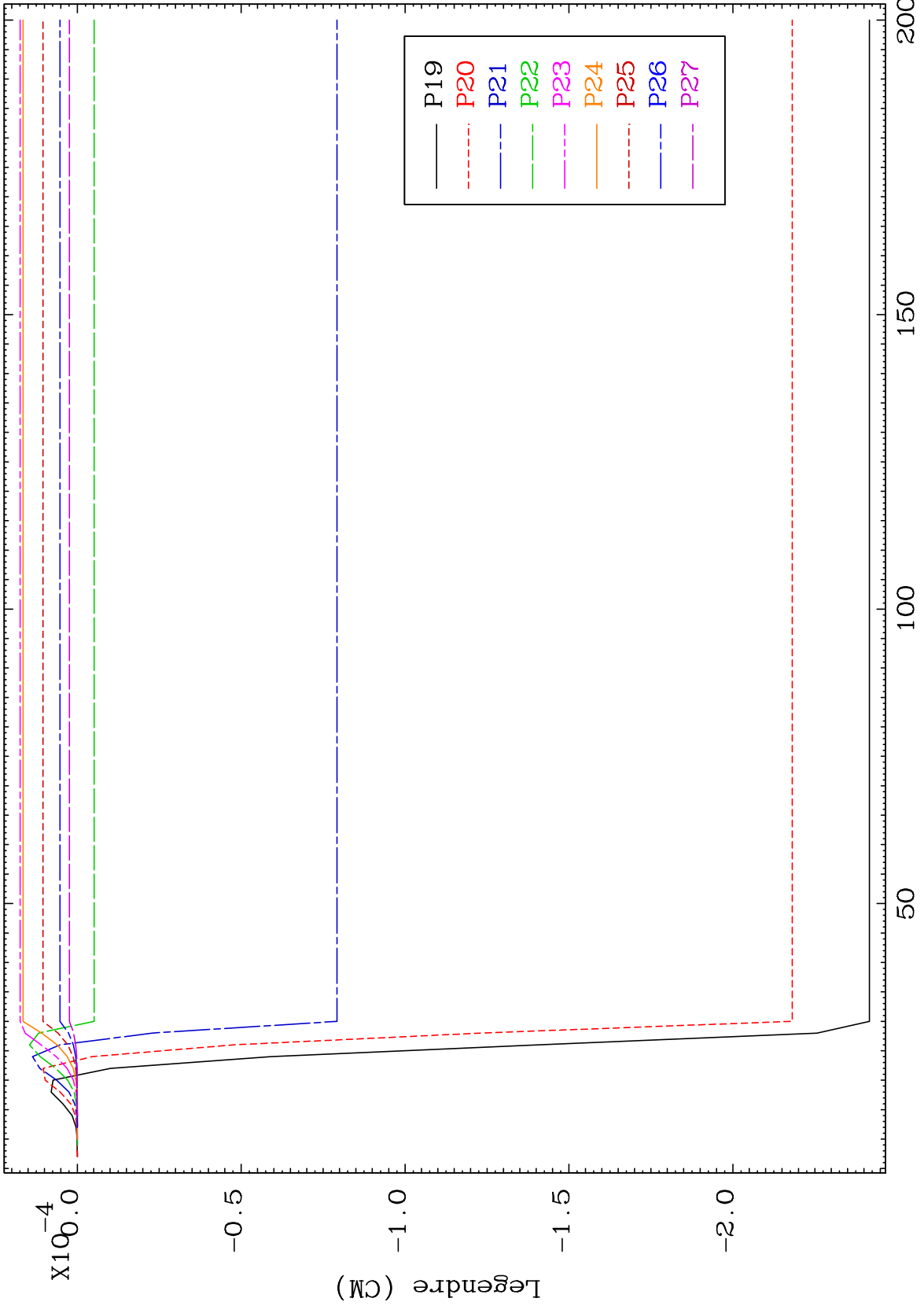


126

Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 79 (n,n') Level Legendre Coefficients 61-Pm-151

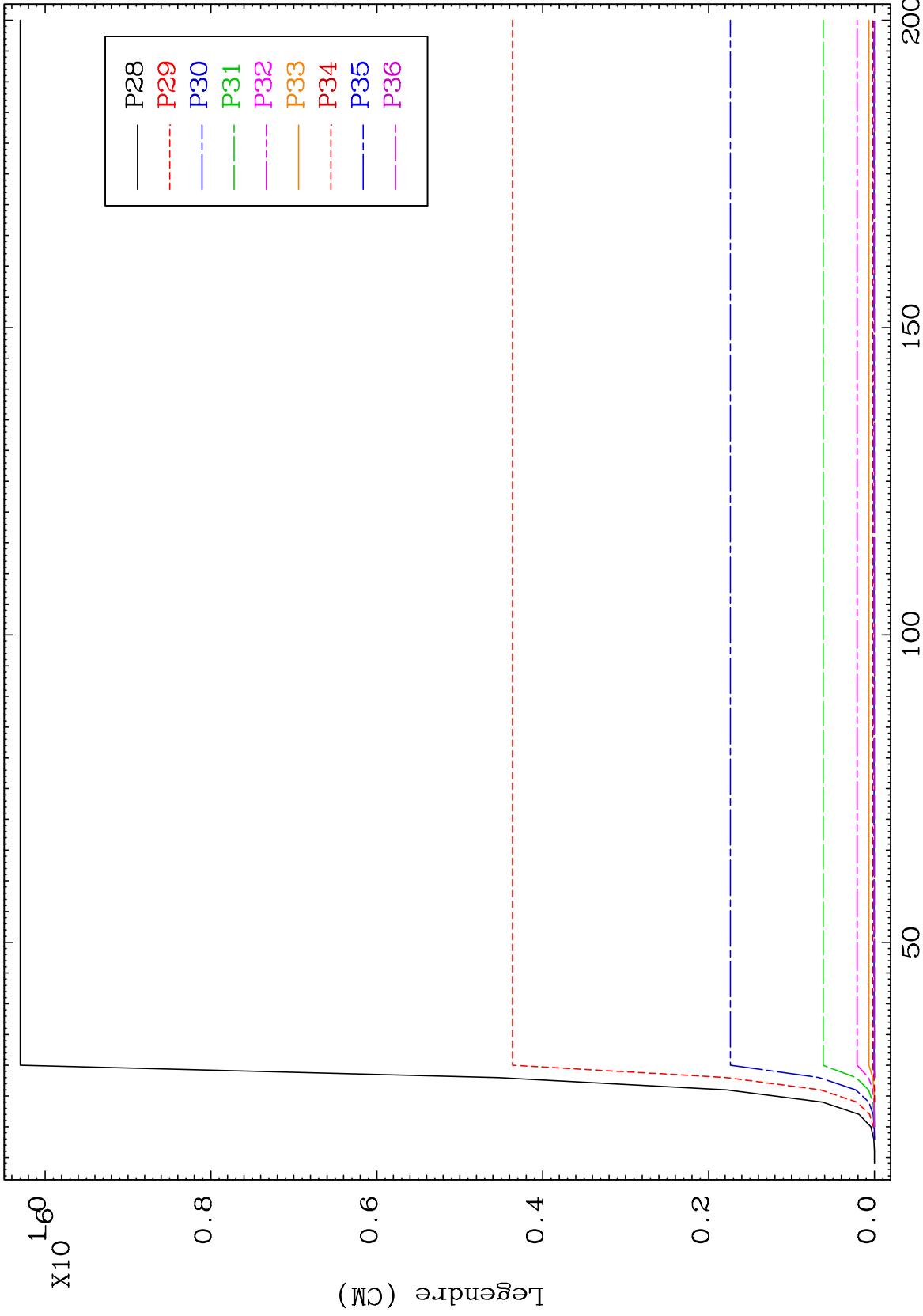




MAT 6161

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

61-Pm-151



128

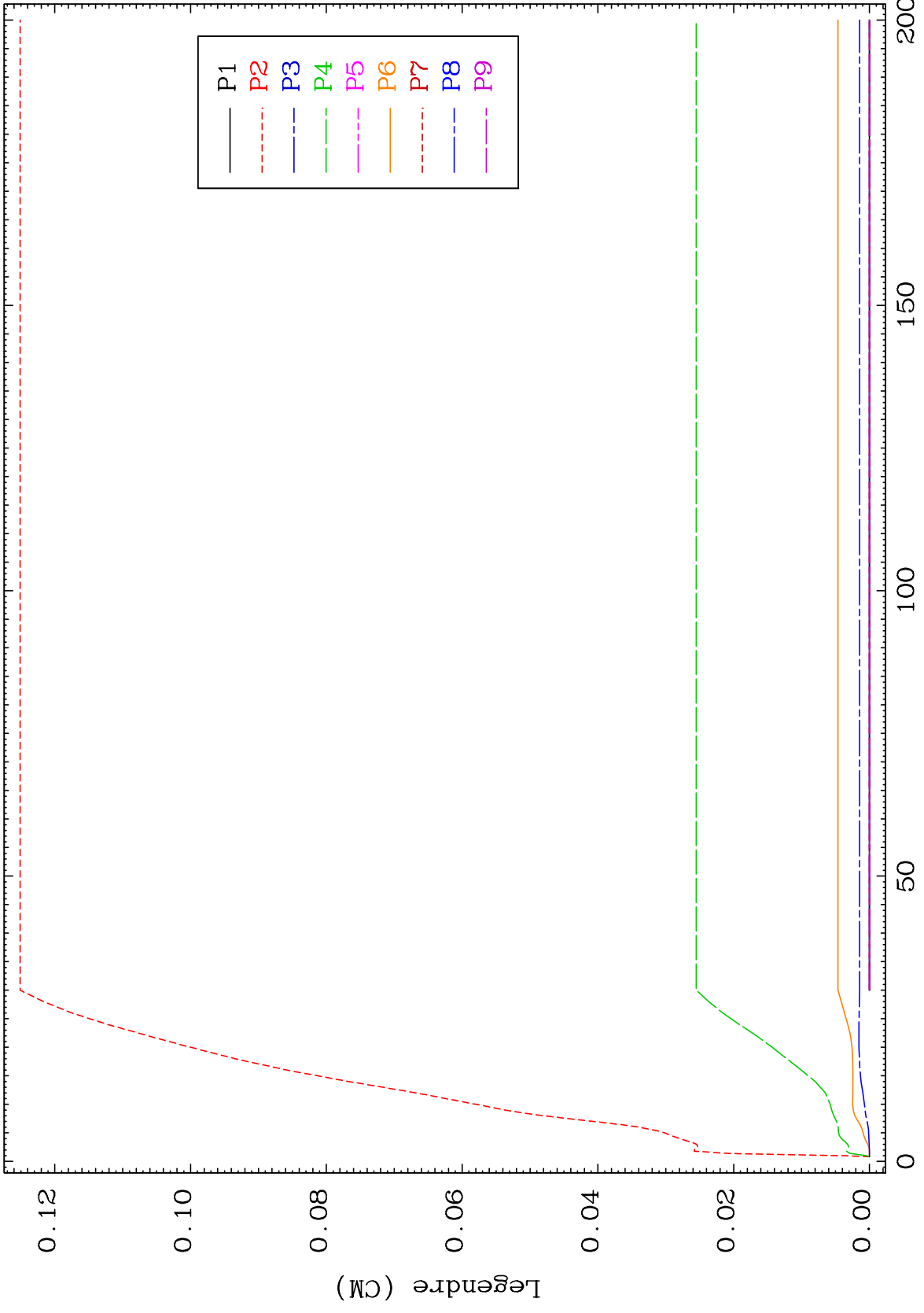
Incident Energy (MeV)

61-Pm-151

MAT 6161 MT= 80 (n,n') Level Legendre Coefficients

61-Pm-151

61-Pm-151

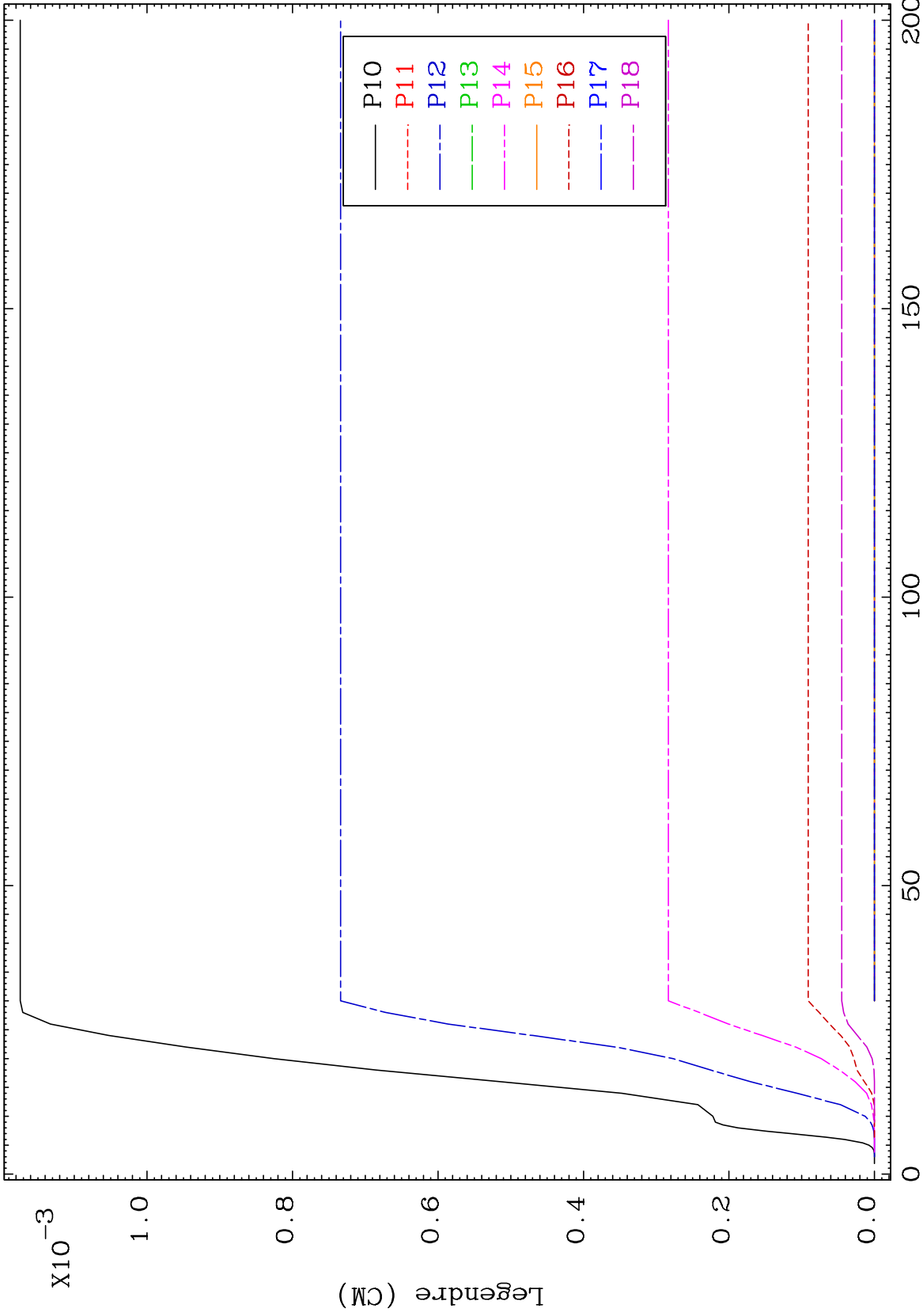


129

MAT 6161

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

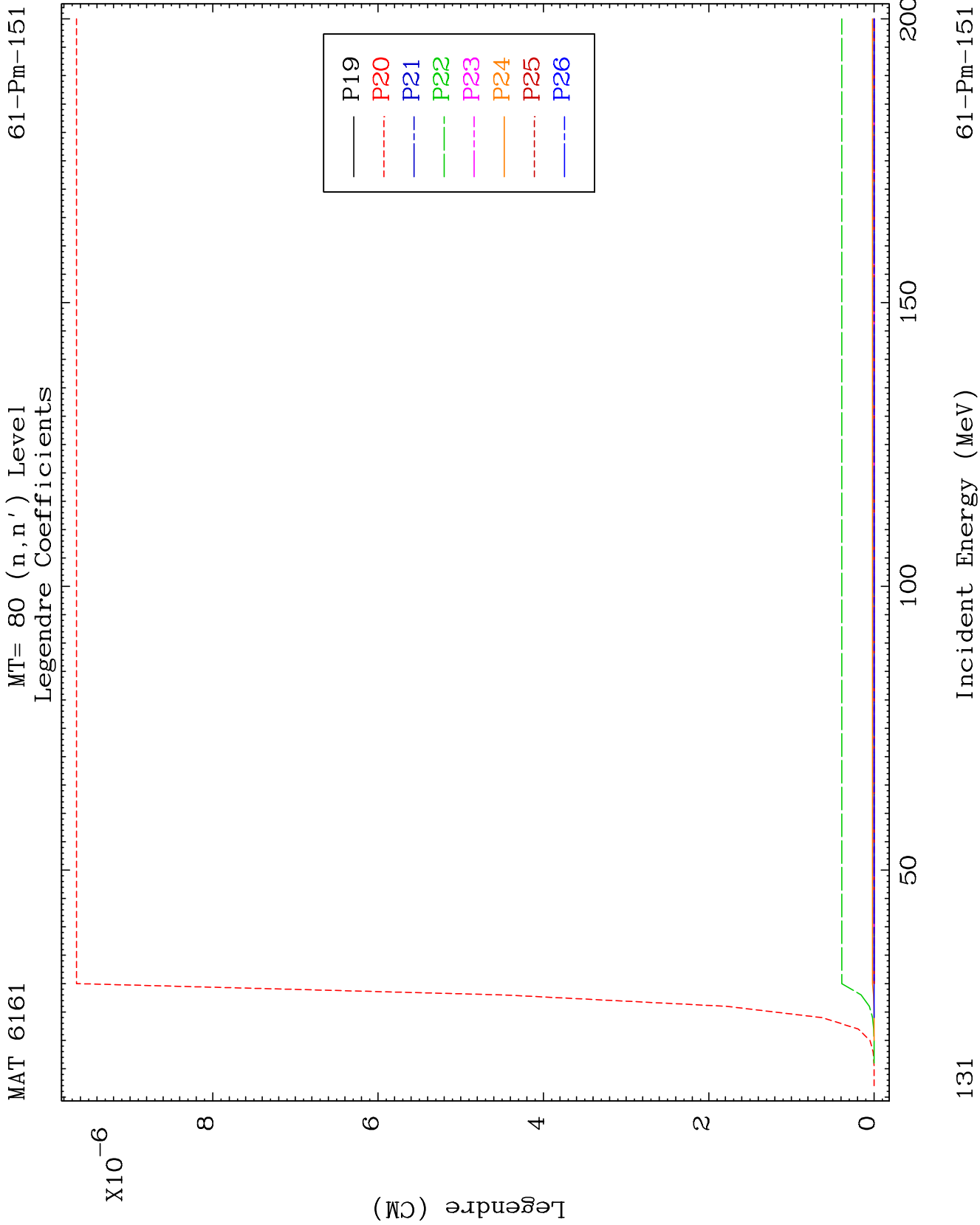
61-Pm-151



130

Incident Energy (MeV)

61-Pm-151

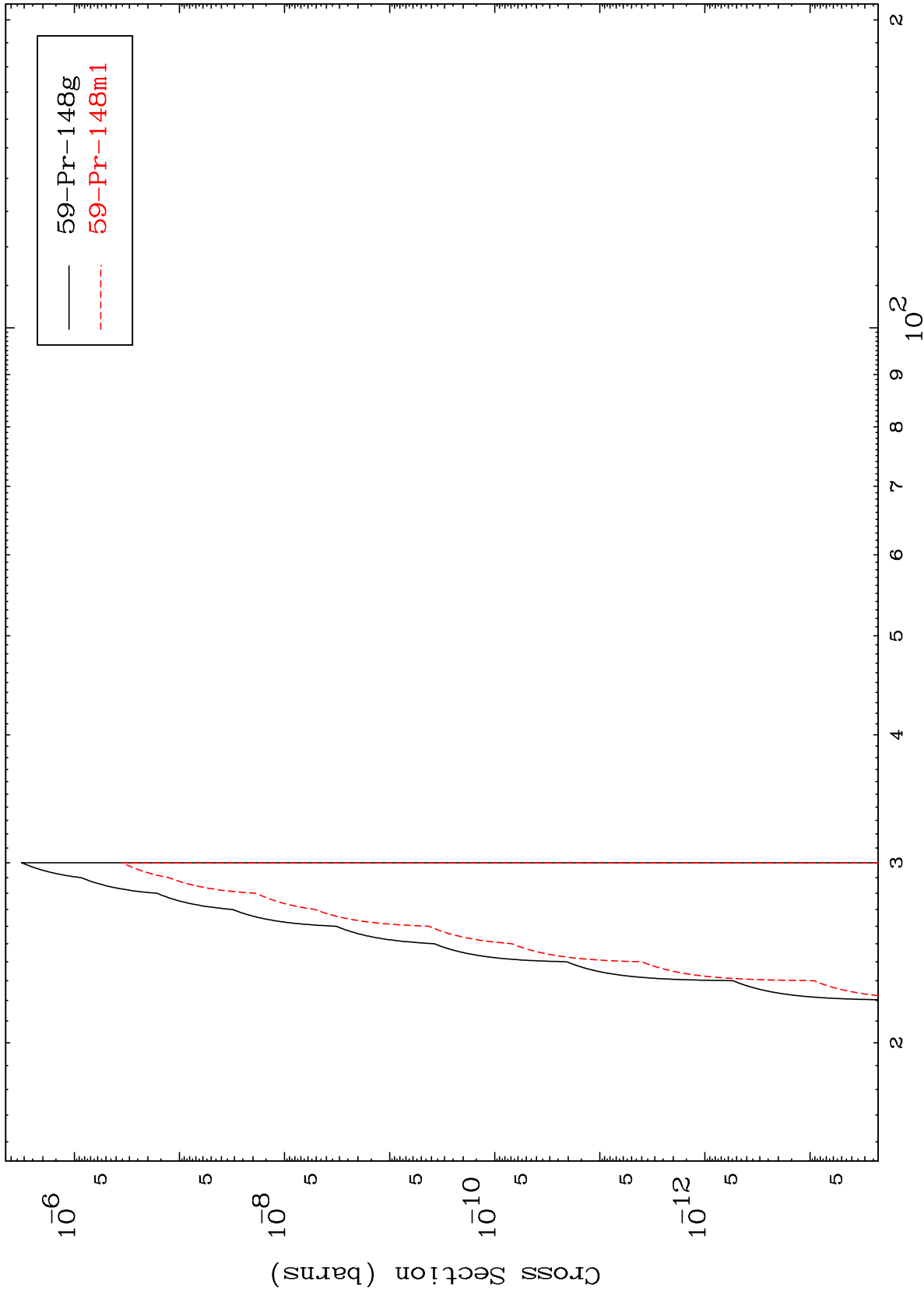


MAT 6161

(n, n') He-3

61-Pm-151

Radionuclide Production Cross Section



132

Incident Energy (MeV)

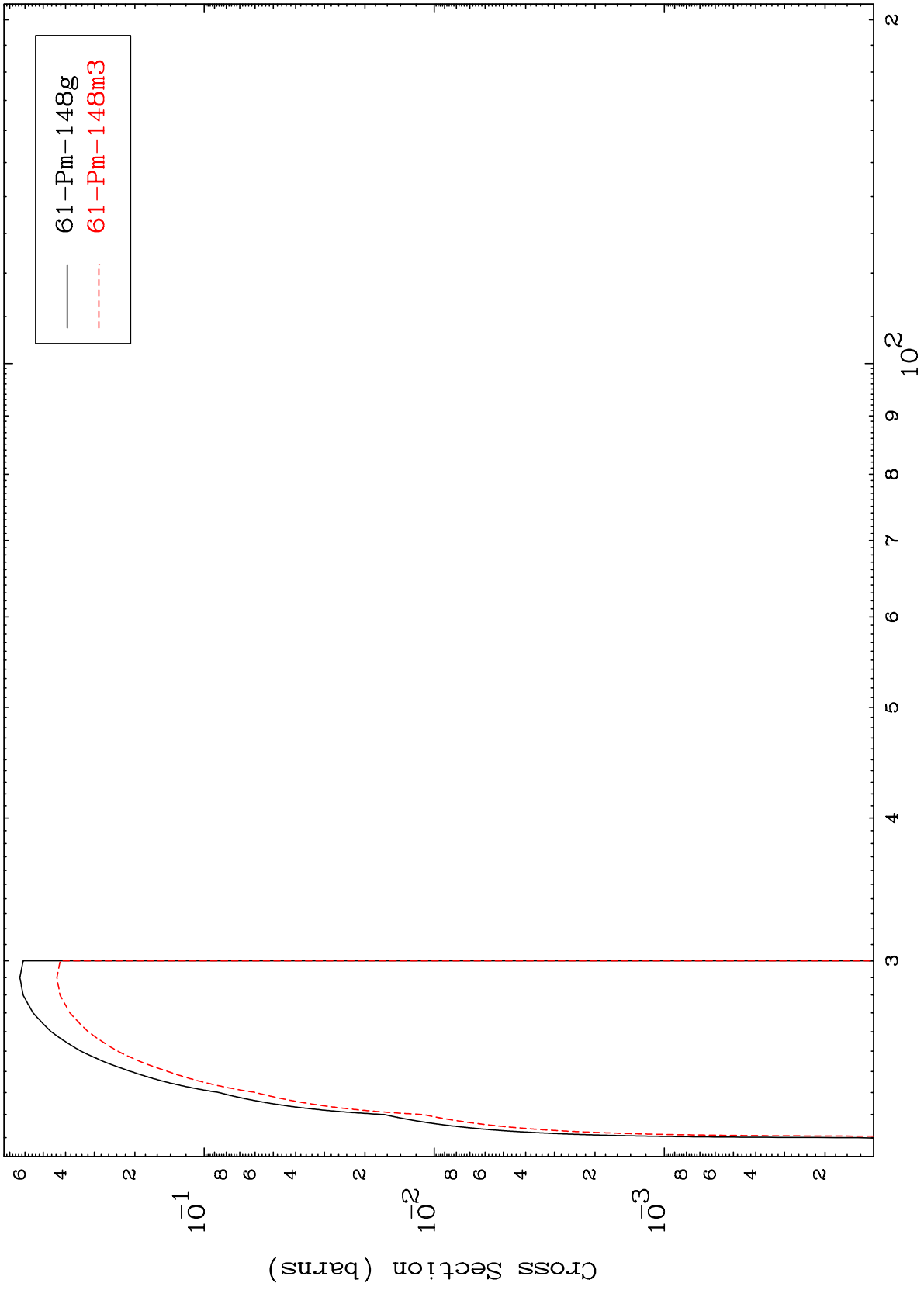
61-Pm-151

MAT 6161

(n,4n)

61-Pm-151

Radionuclide Production Cross Section



133

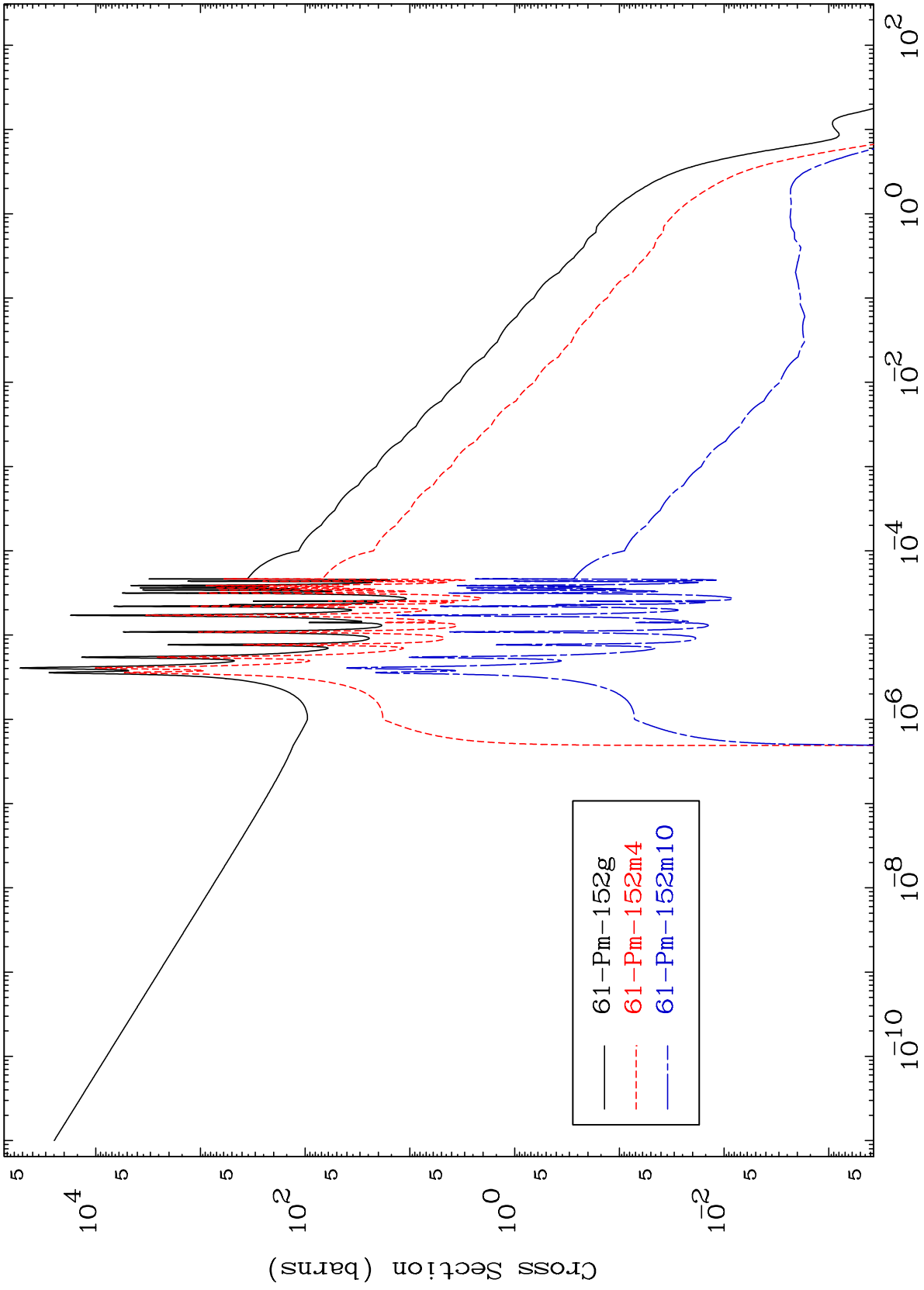
Incident Energy (MeV)

61-Pm-151

MAT 6161

61-Pm-151

Radionuclide Production Cross Section (n,γ)



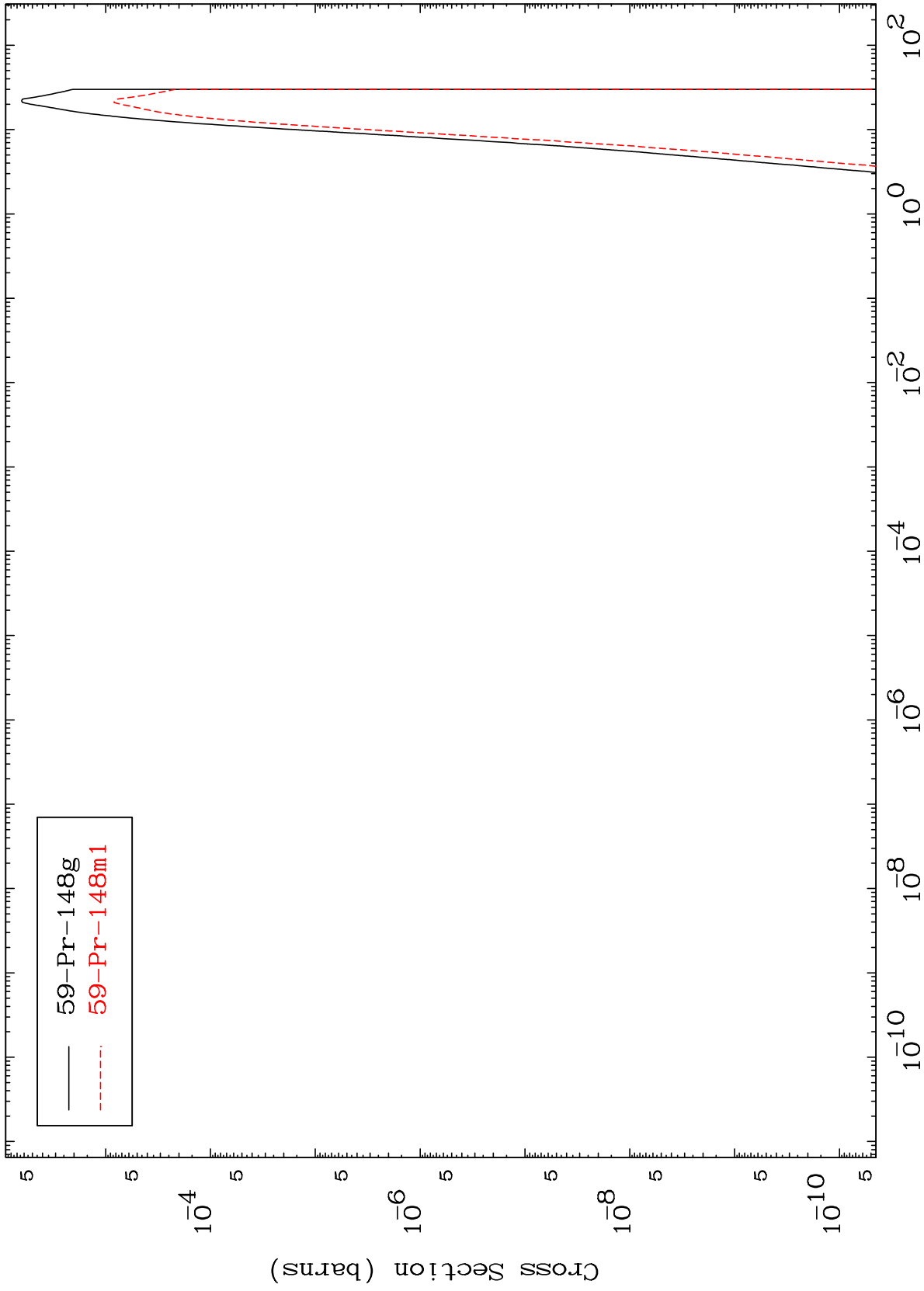
61-Pm-151

MAT 6161

(n,  $\alpha$ )

61-Pm-151

Radionuclide Production Cross Section



135

Incident Energy (MeV)

61-Pm-151