

Program EVALPLOT
(Version 2021-1)

by

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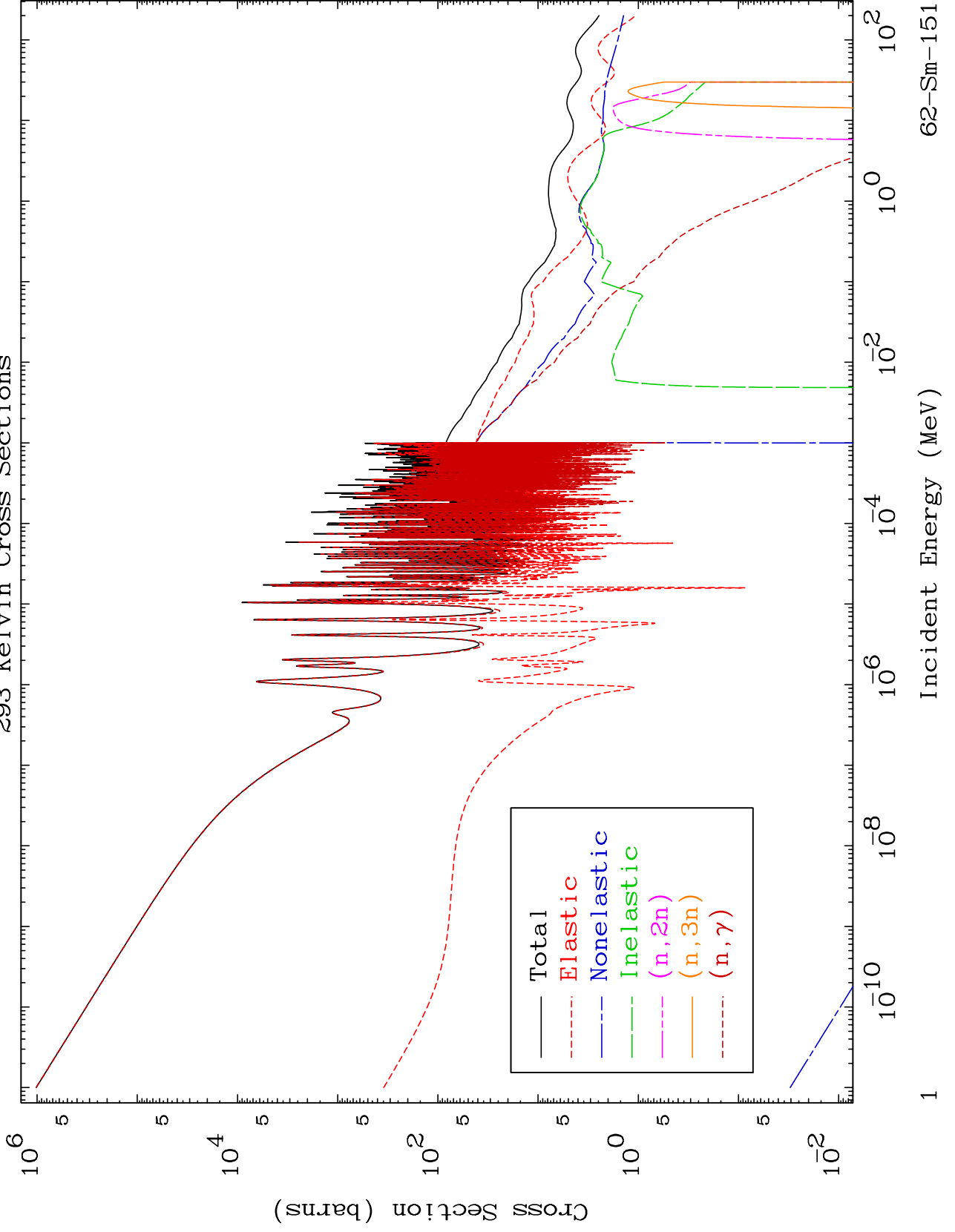
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6246

Neutron Major
293 Kelvin Cross Sections

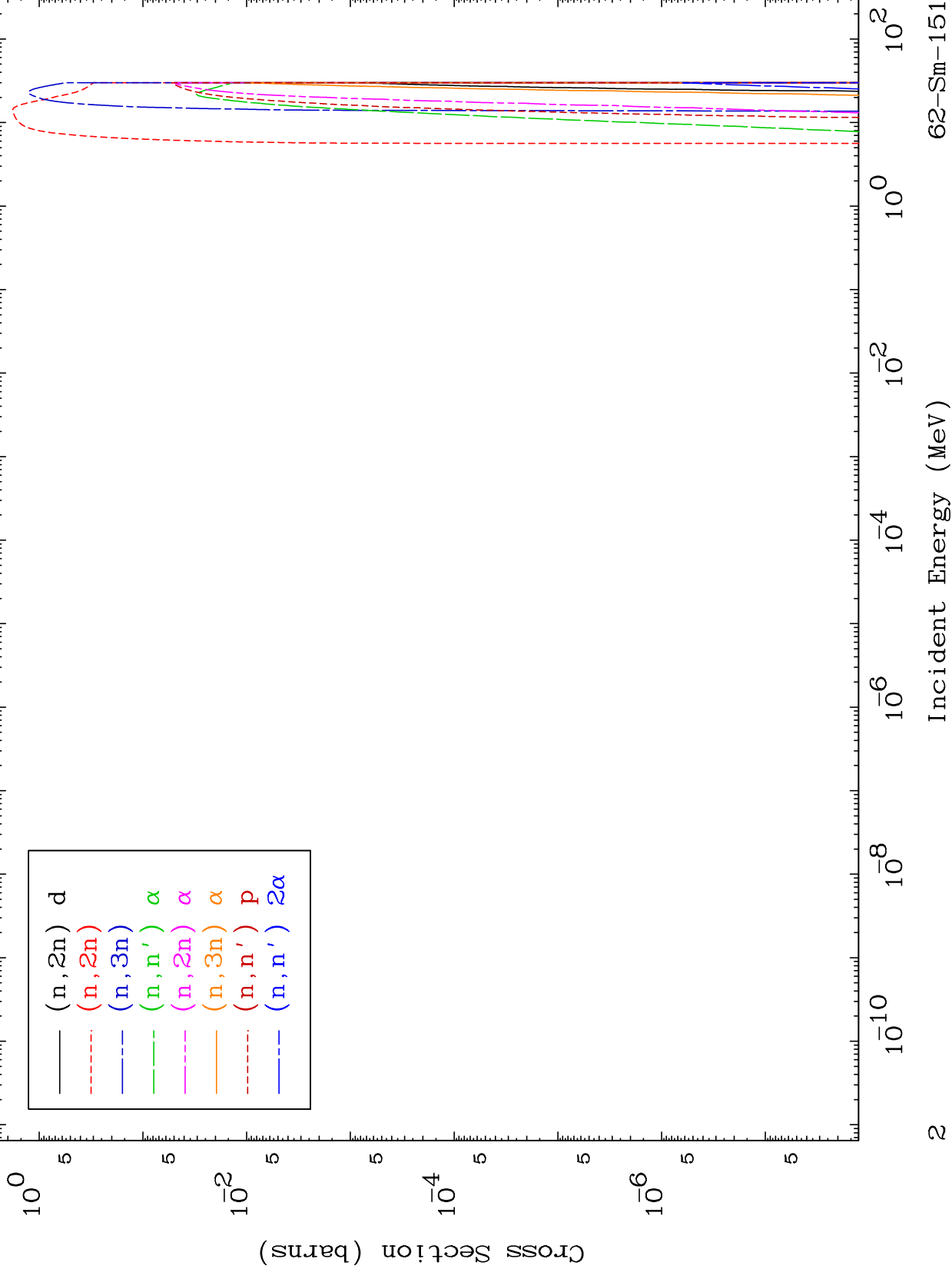
62-Sm-151



MAT 6246

Neutron Absorption
293 Kelvin Cross Sections

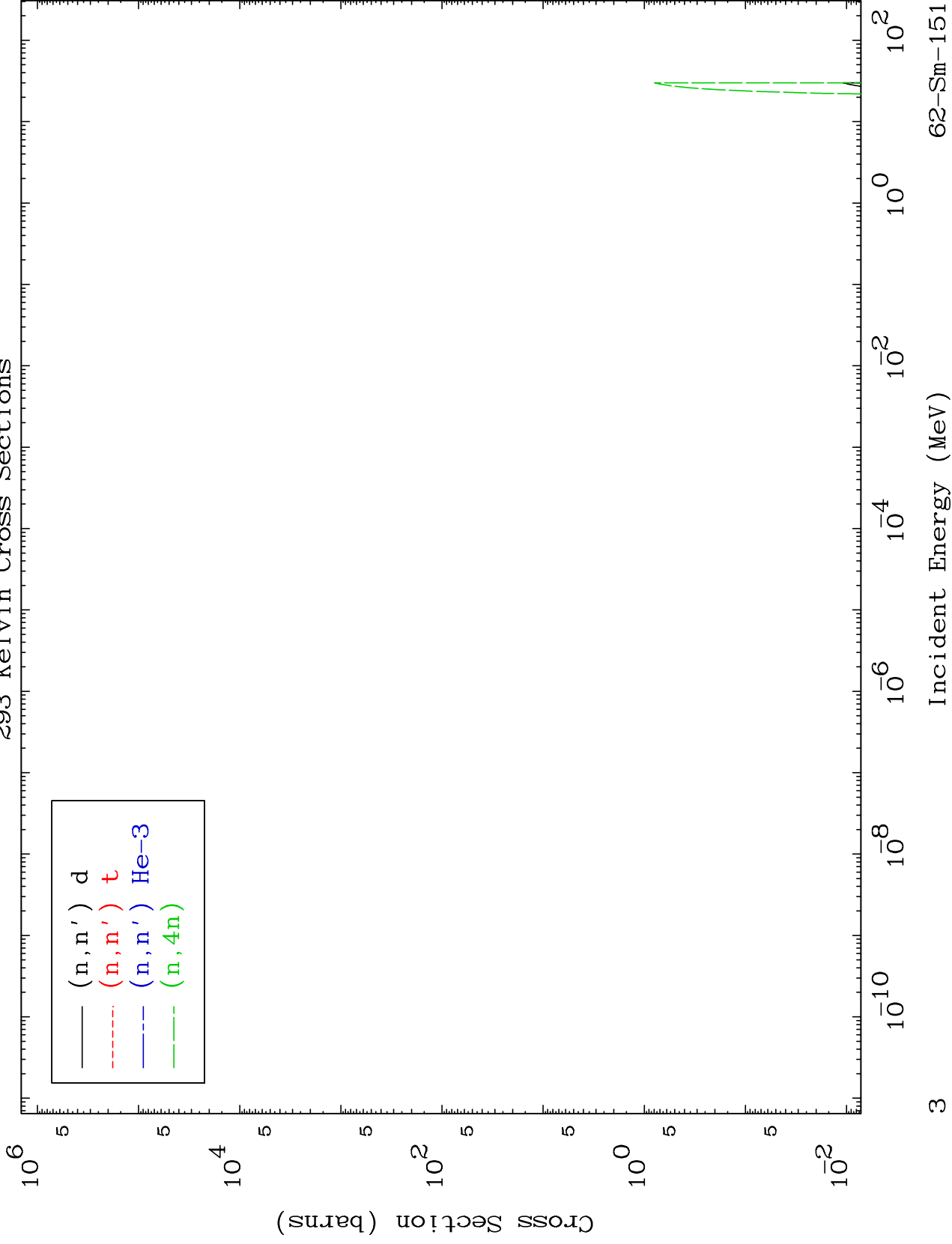
62-Sm-151



MAT 6246

Neutron Absorption
293 Kelvin Cross Sections

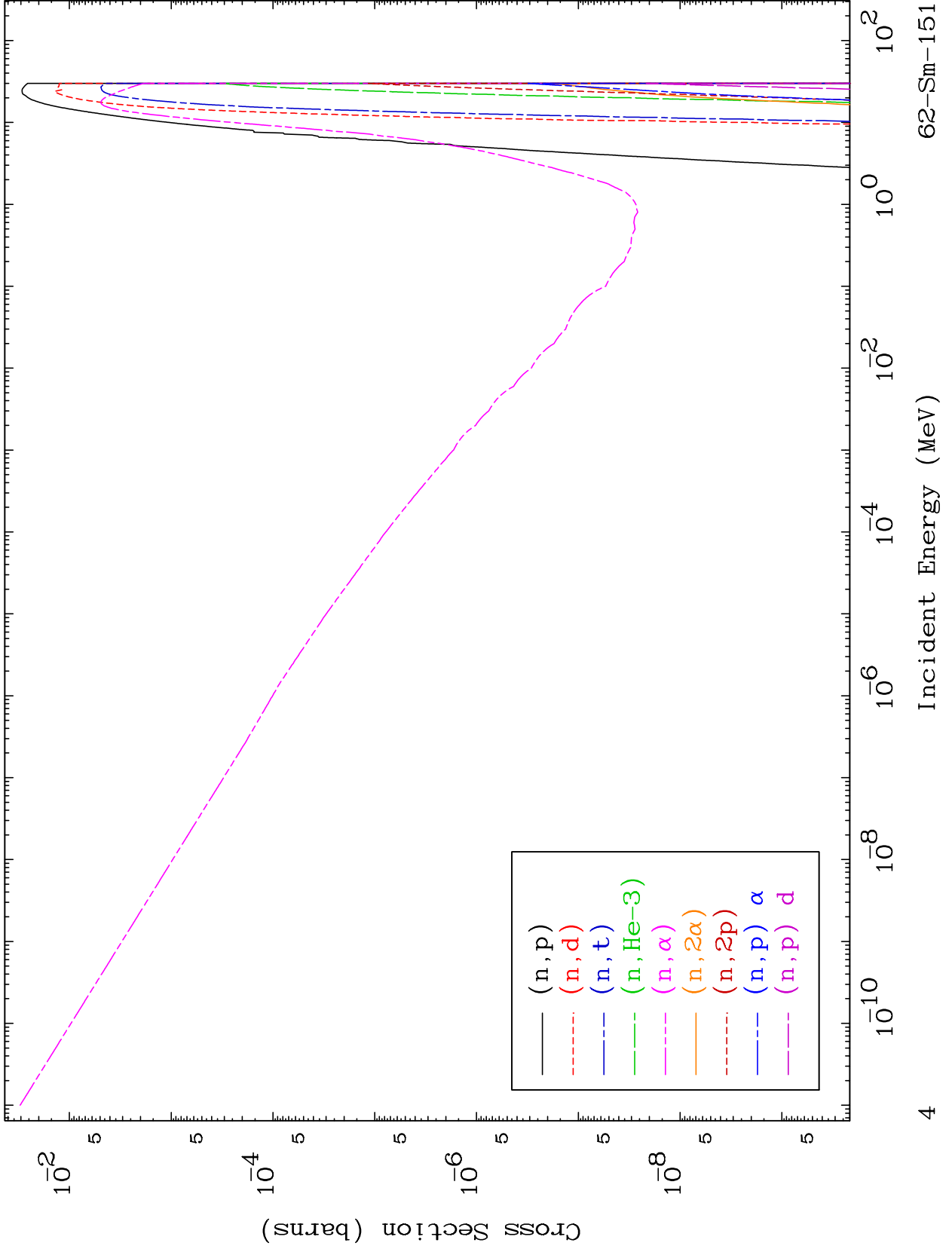
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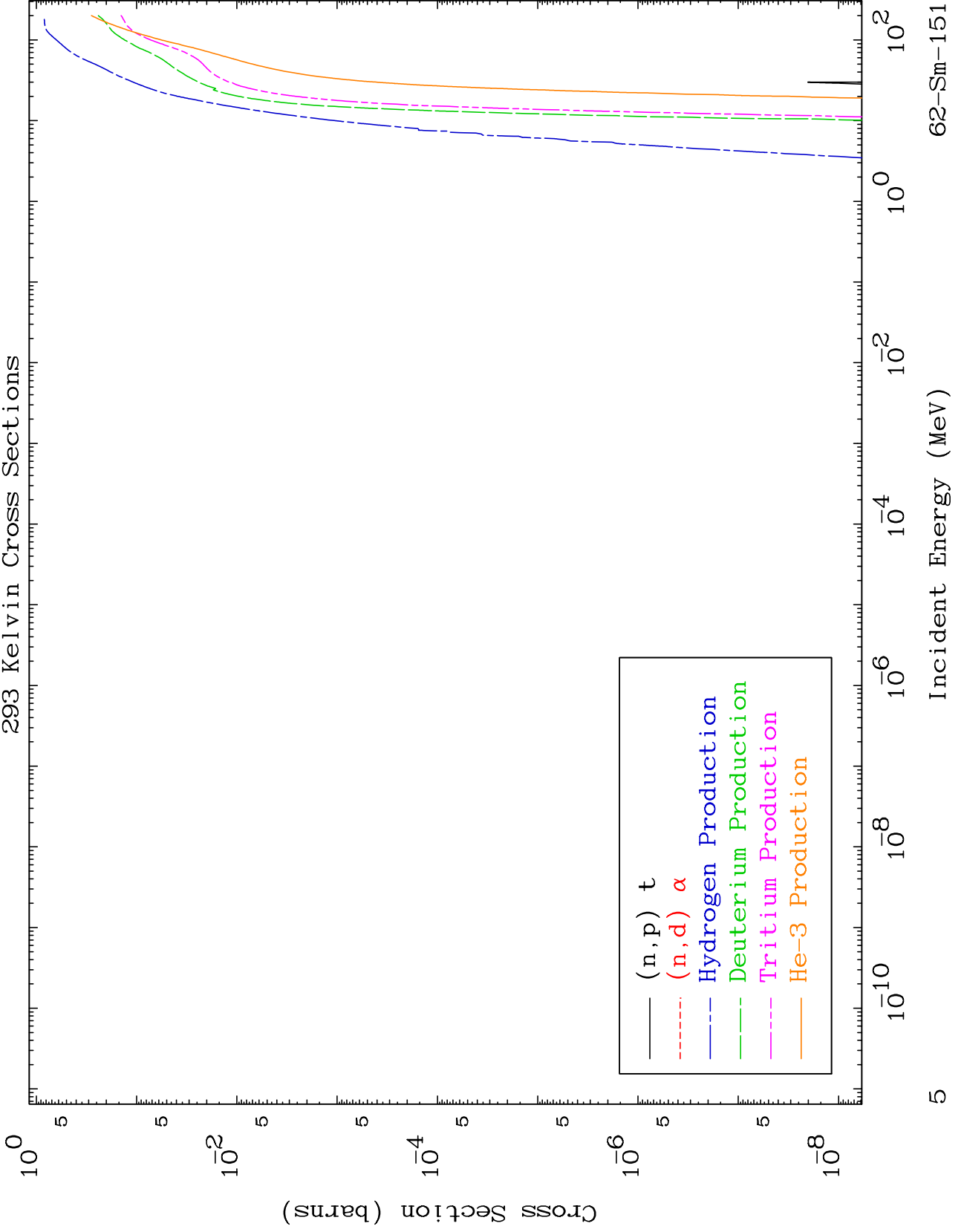


MAT 6246

Neutron Absorption
293 Kelvin Cross Sections

62-Sm-151

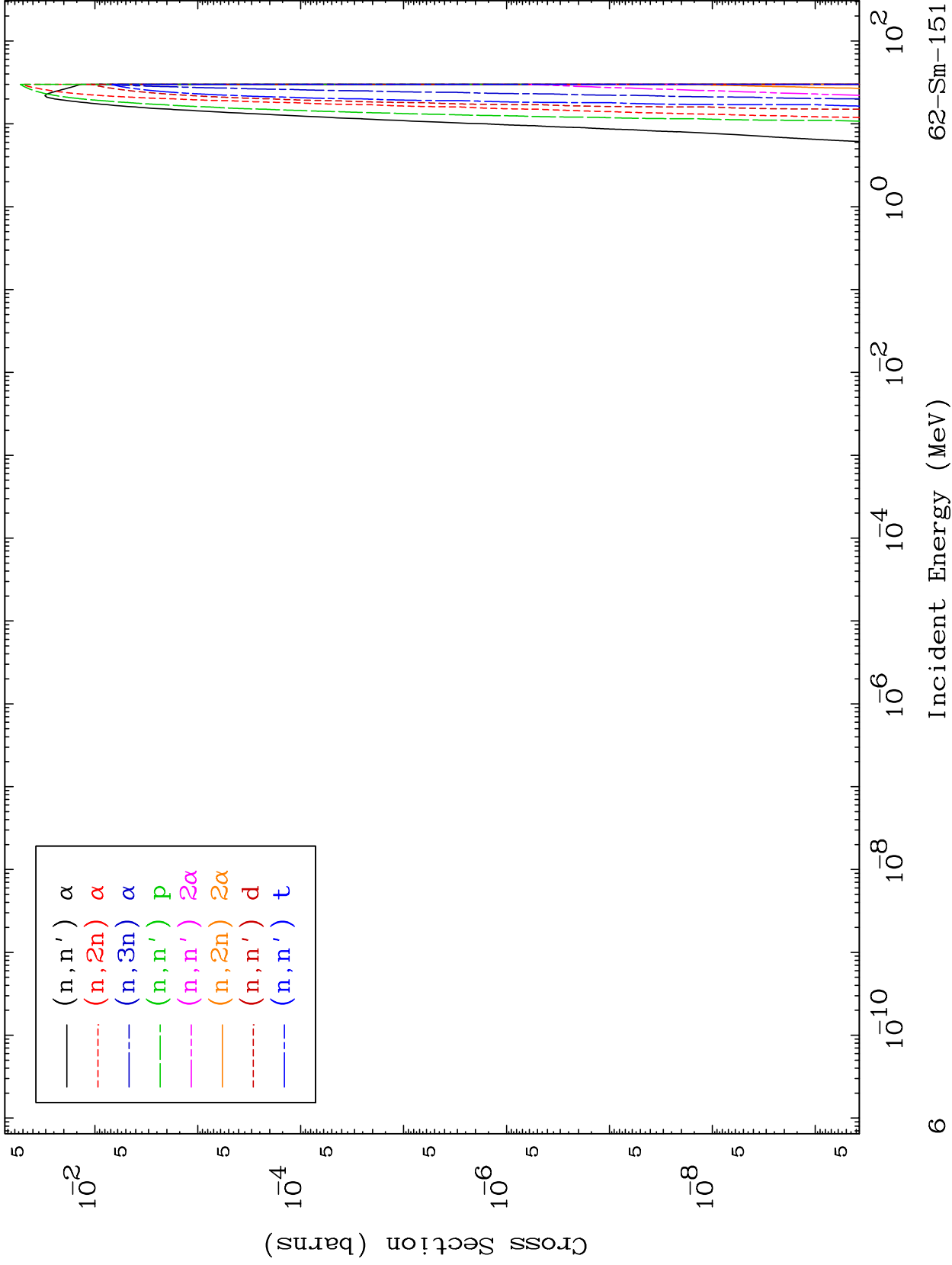




MAT 6246

Charged Particle
293 Kelvin Cross Sections

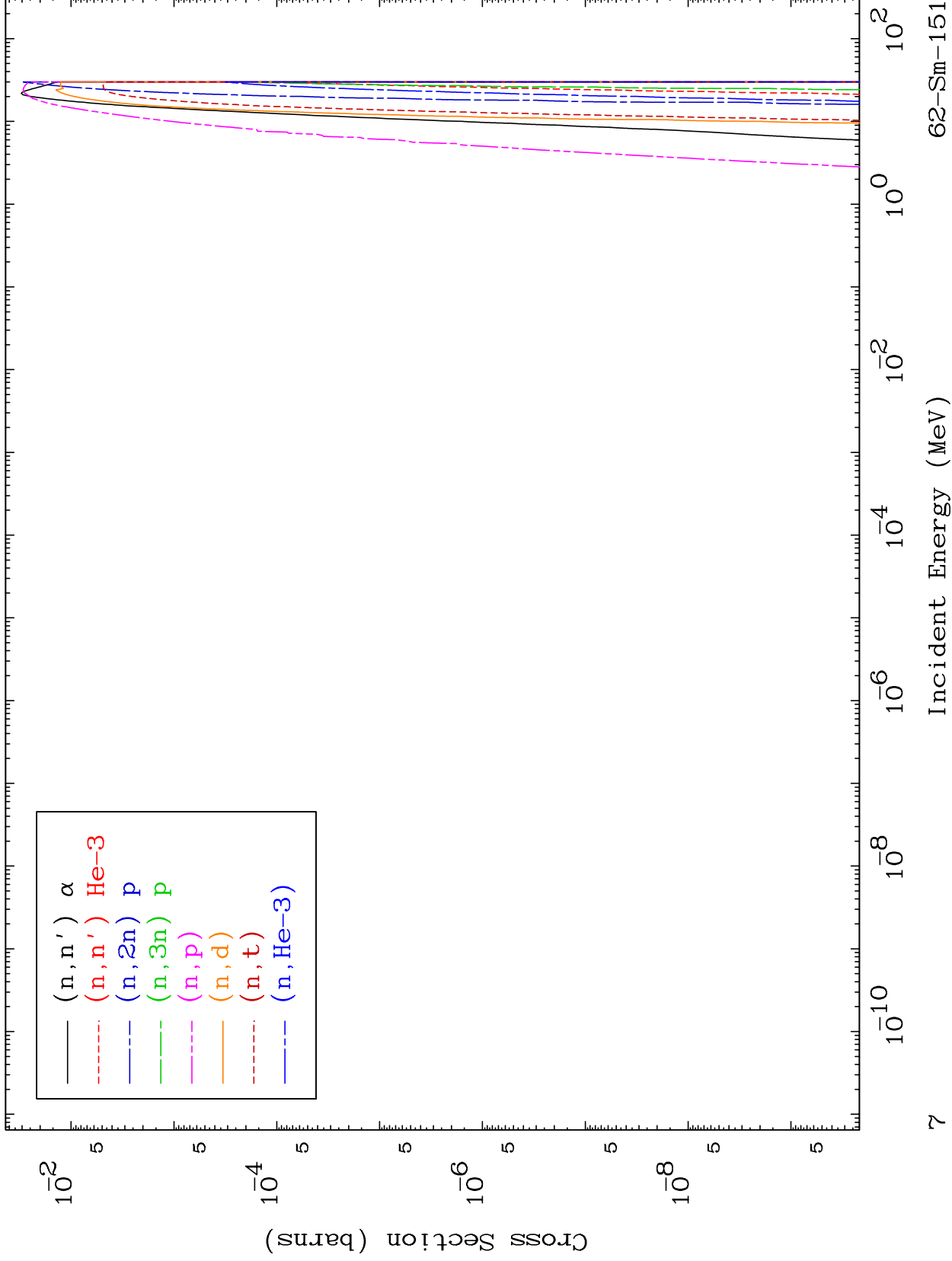
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MAT 6246

Charged Particle
293 Kelvin Cross Sections

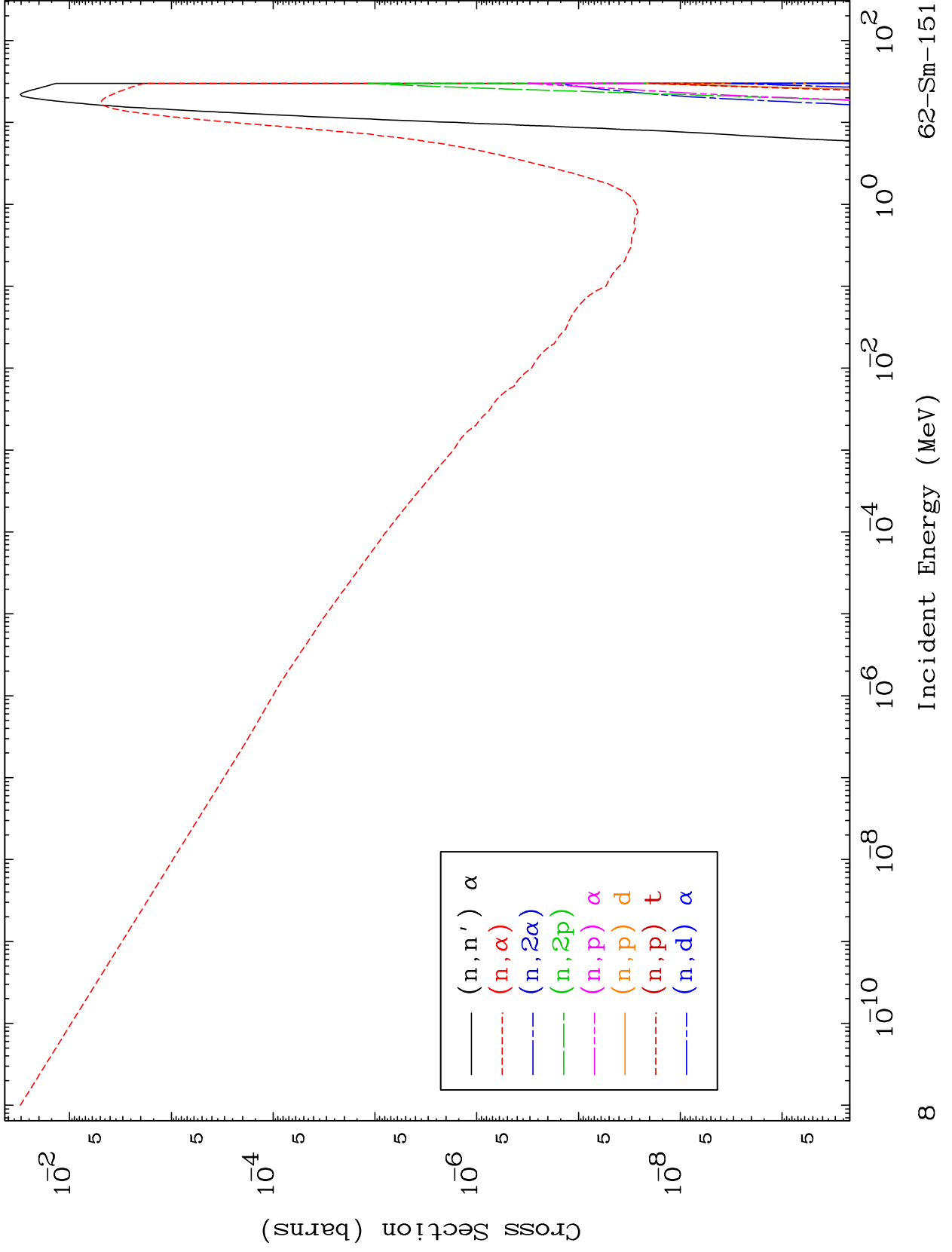
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MAT 6246

Charged Particle
293 Kelvin Cross Sections

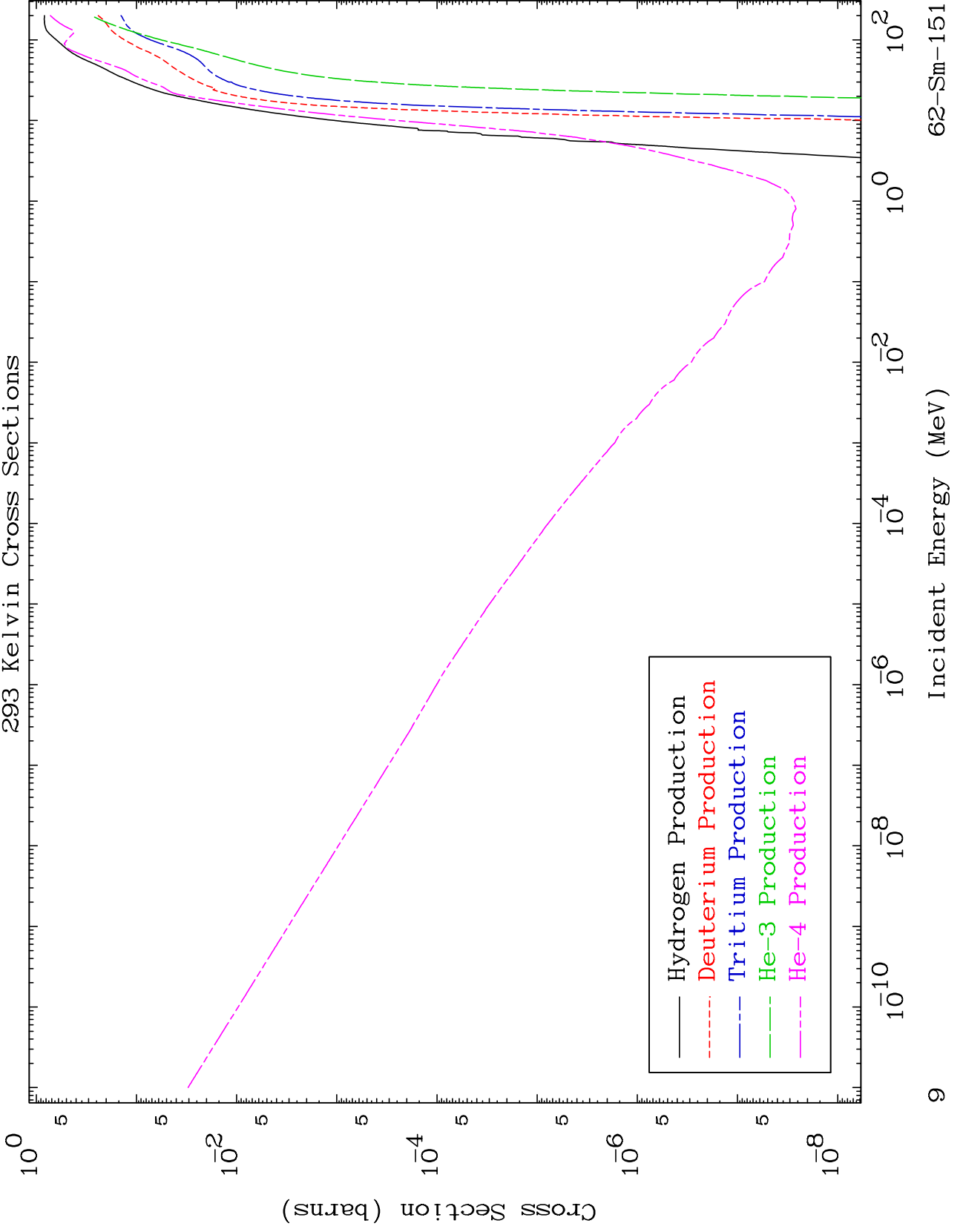
62-Sm-151



MAT 6246

Particle Production
293 Kelvin Cross Sections

62-Sm-151

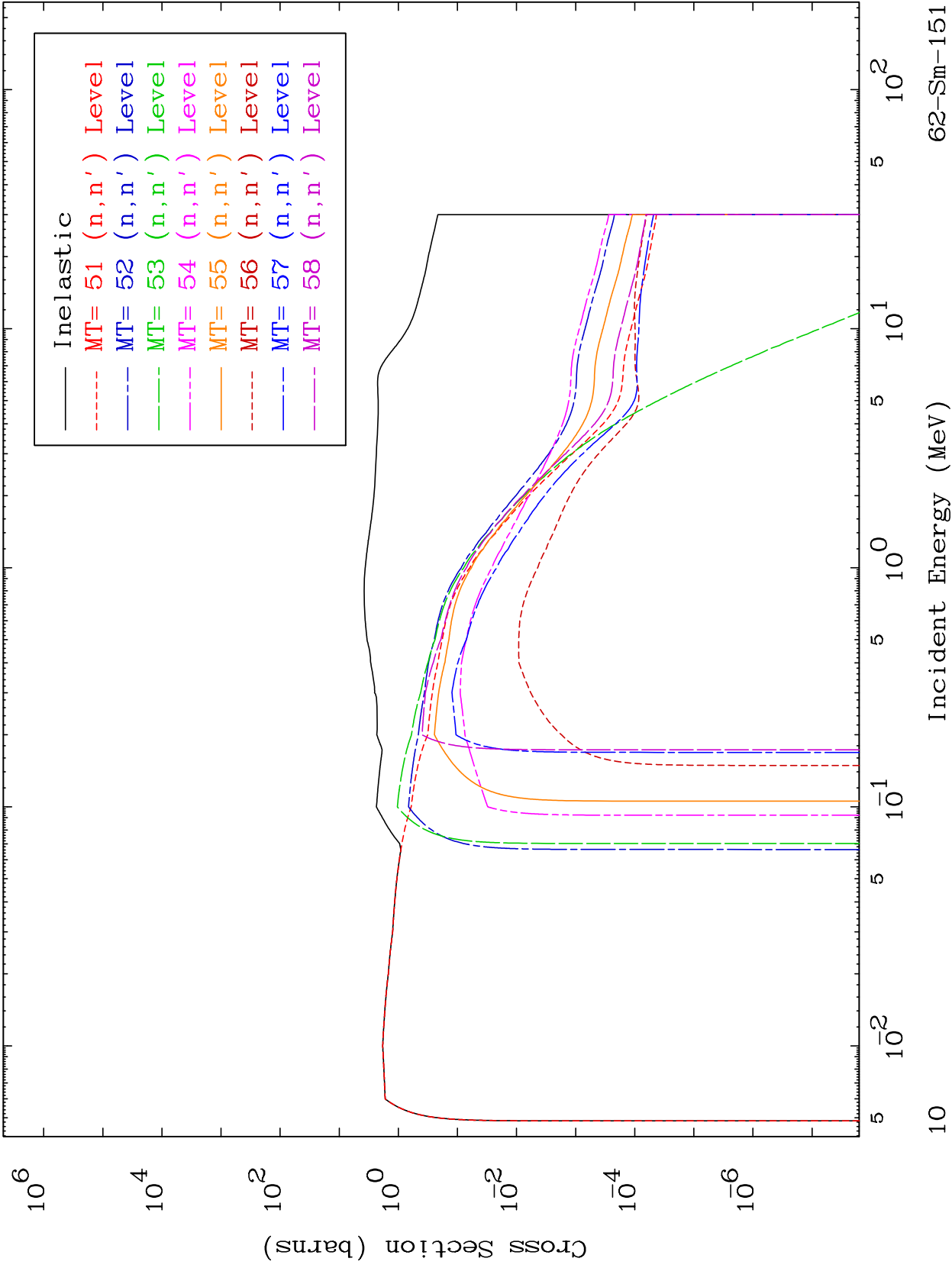


MAT 6246

(n,n') Levels

62-Sm-151

293 Kelvin Cross Sections



62-Sm-151

Incident Energy (MeV)

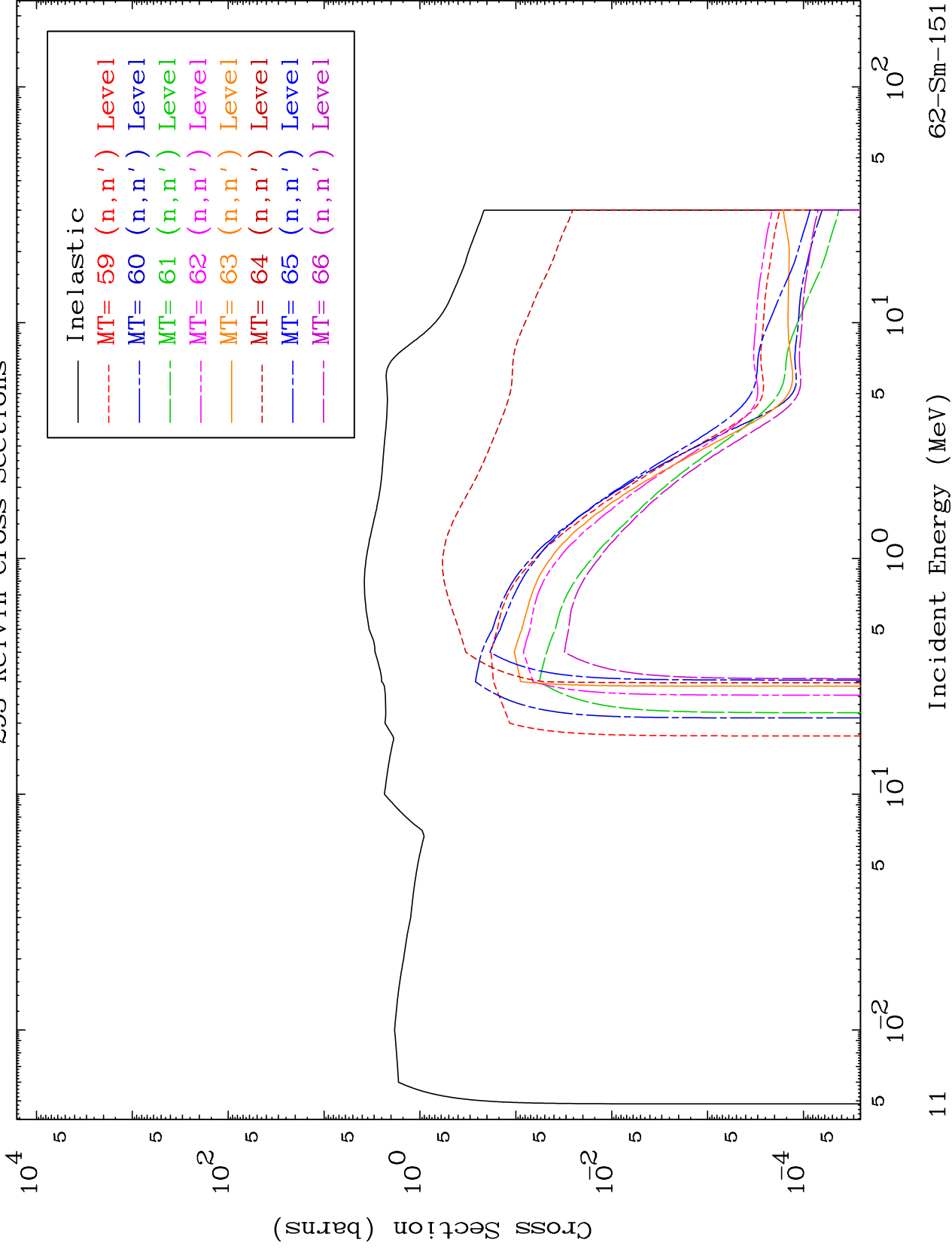
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MAT 6246

(n,n') Levels

62-Sm-151

293 Kelvin Cross Sections



11

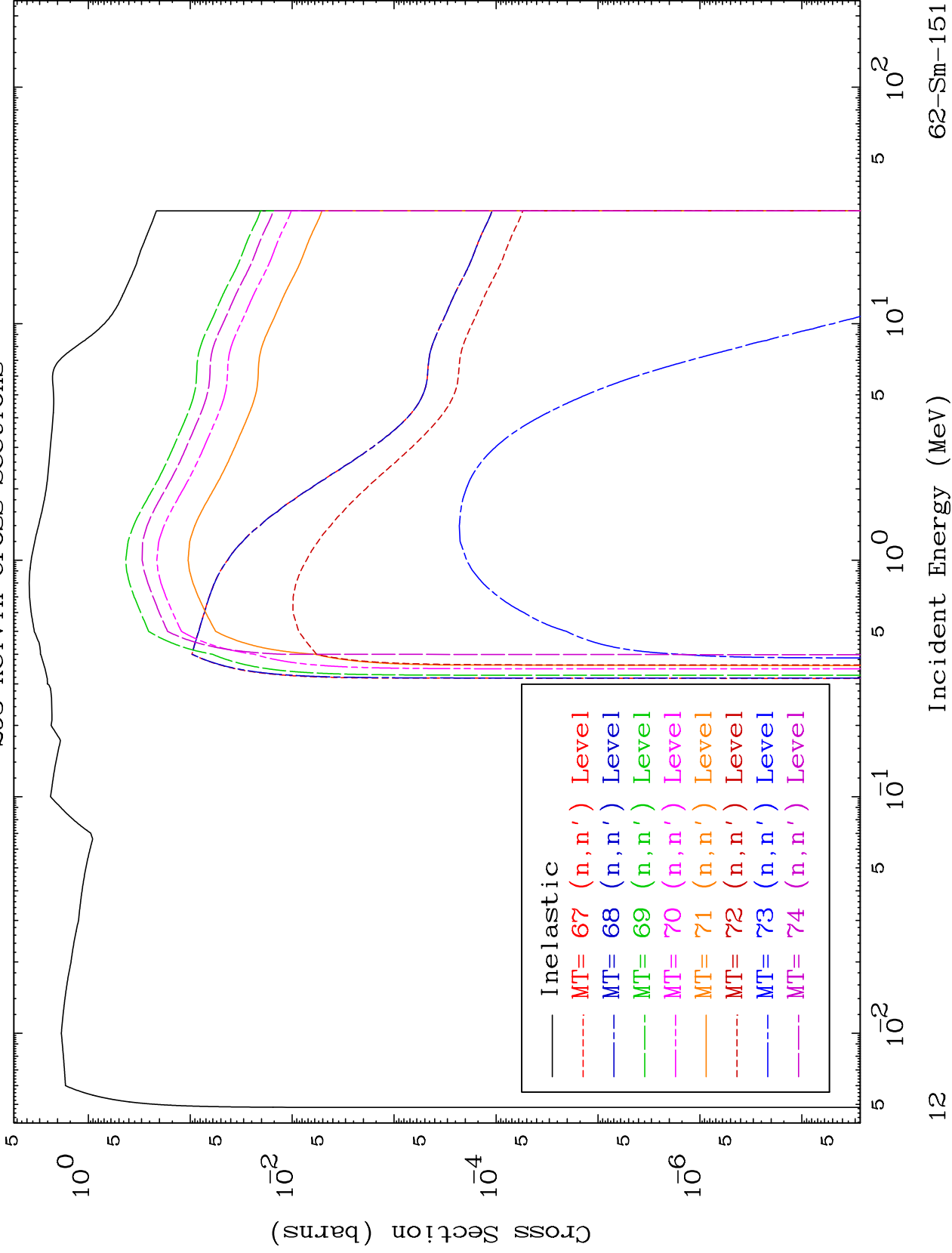
Incident Energy (MeV)

62-Sm-151

MAT 6246

62-Sm-151

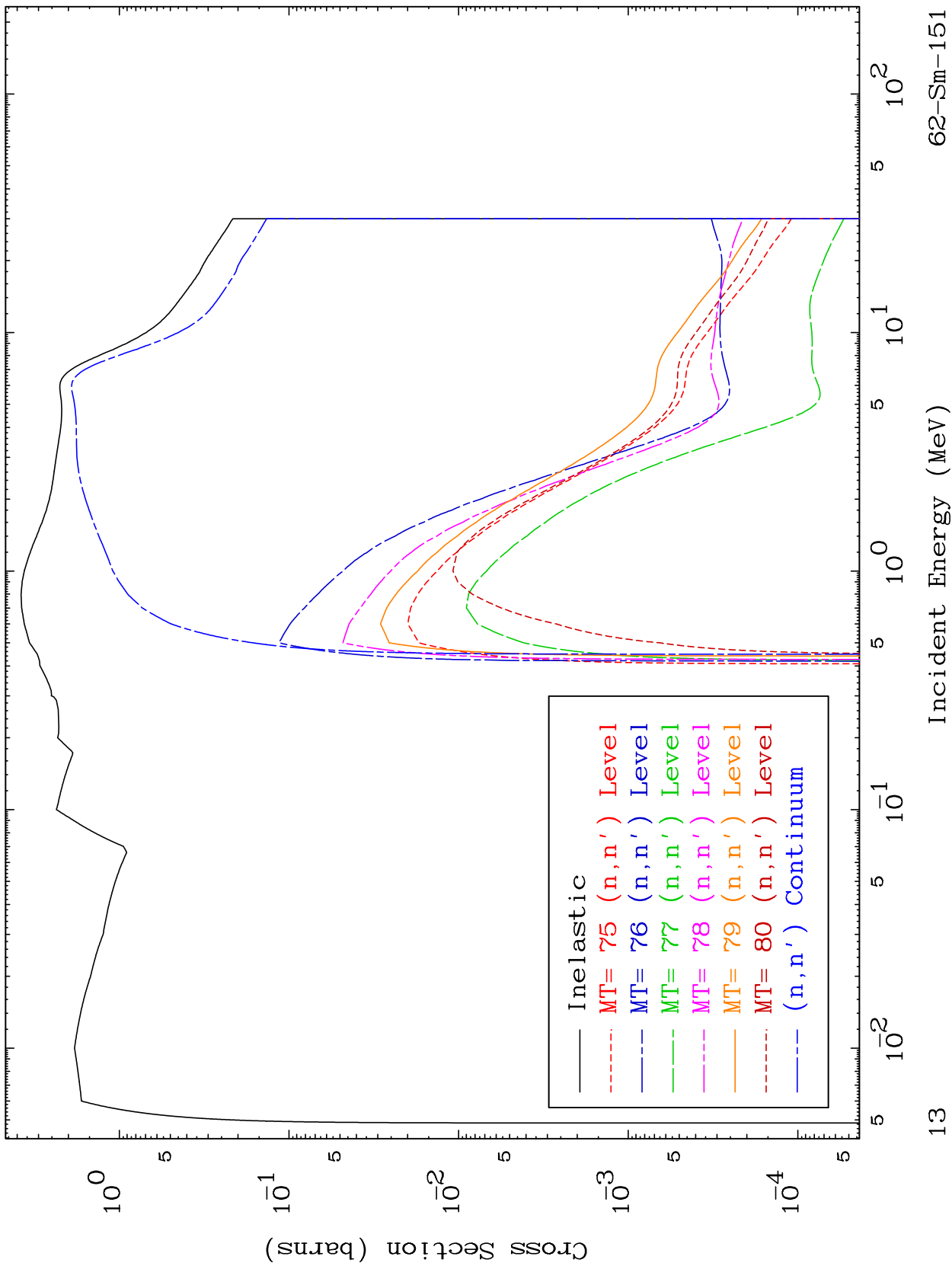
(n,n') Levels
293 Kelvin Cross Sections



MAT 6246

62-Sm-151

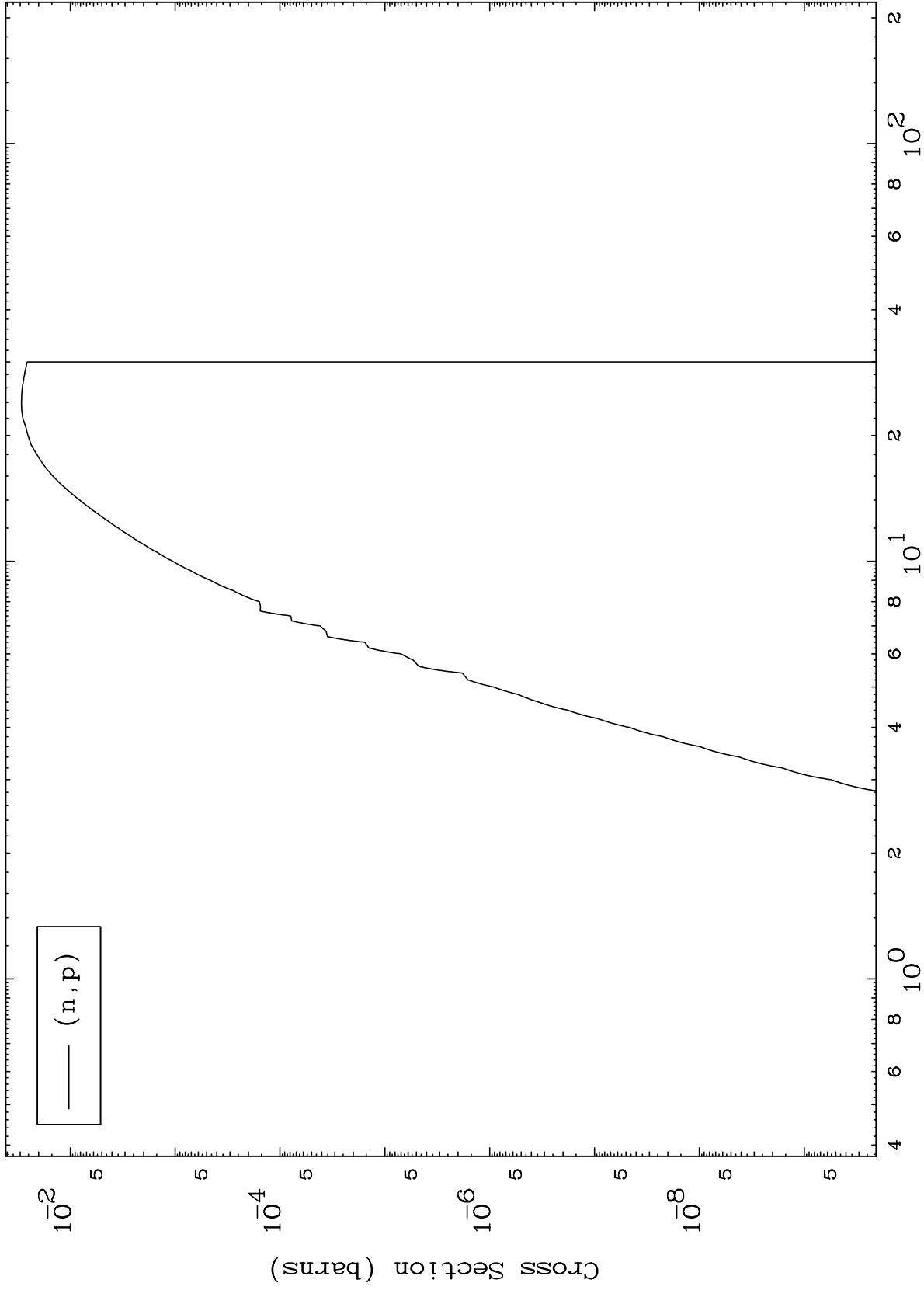
(n,n') Levels
293 Kelvin Cross Sections



MAT 6246

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-151



14

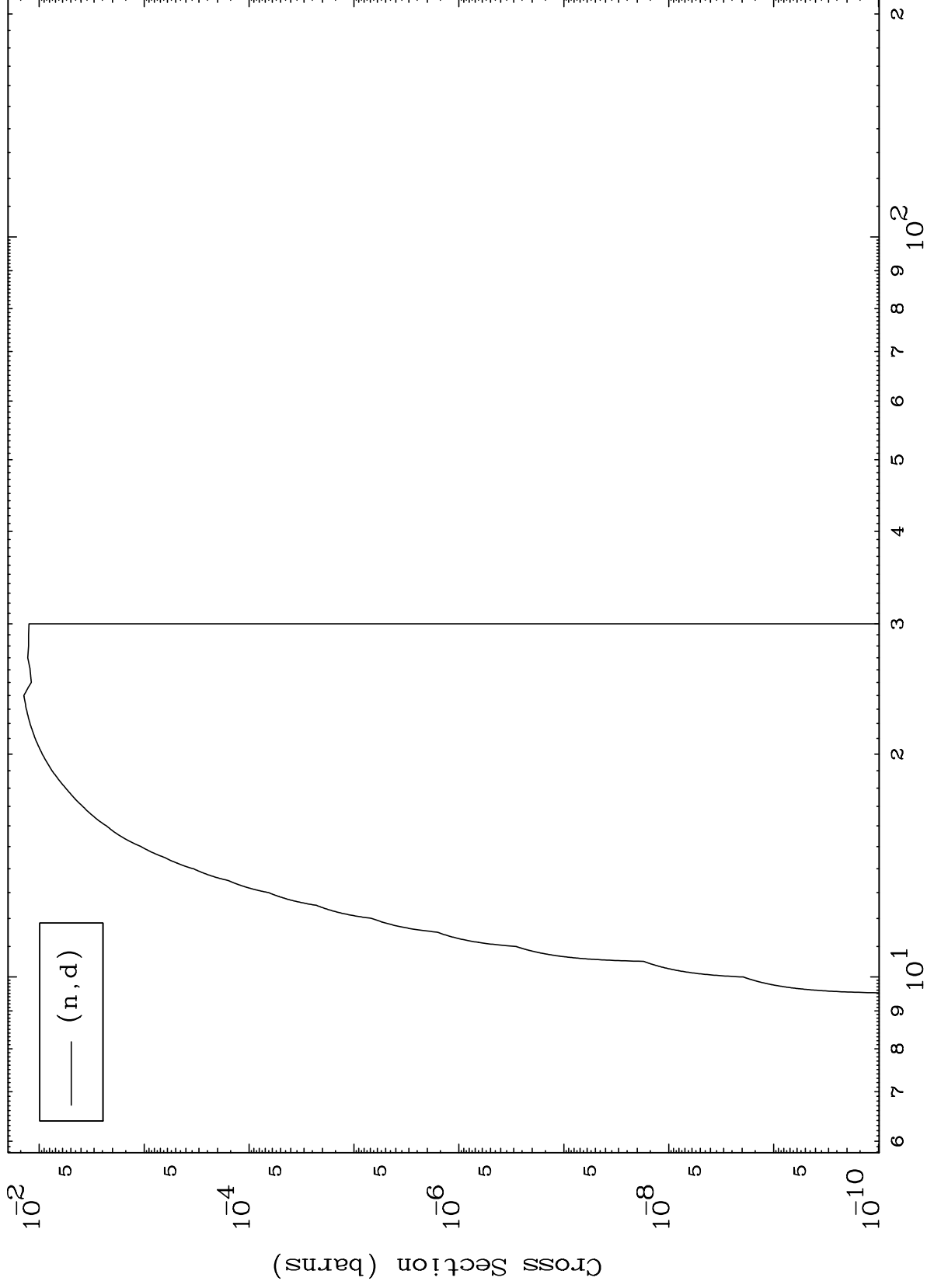
Incident Energy (MeV)

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MAT 6246

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-151



15

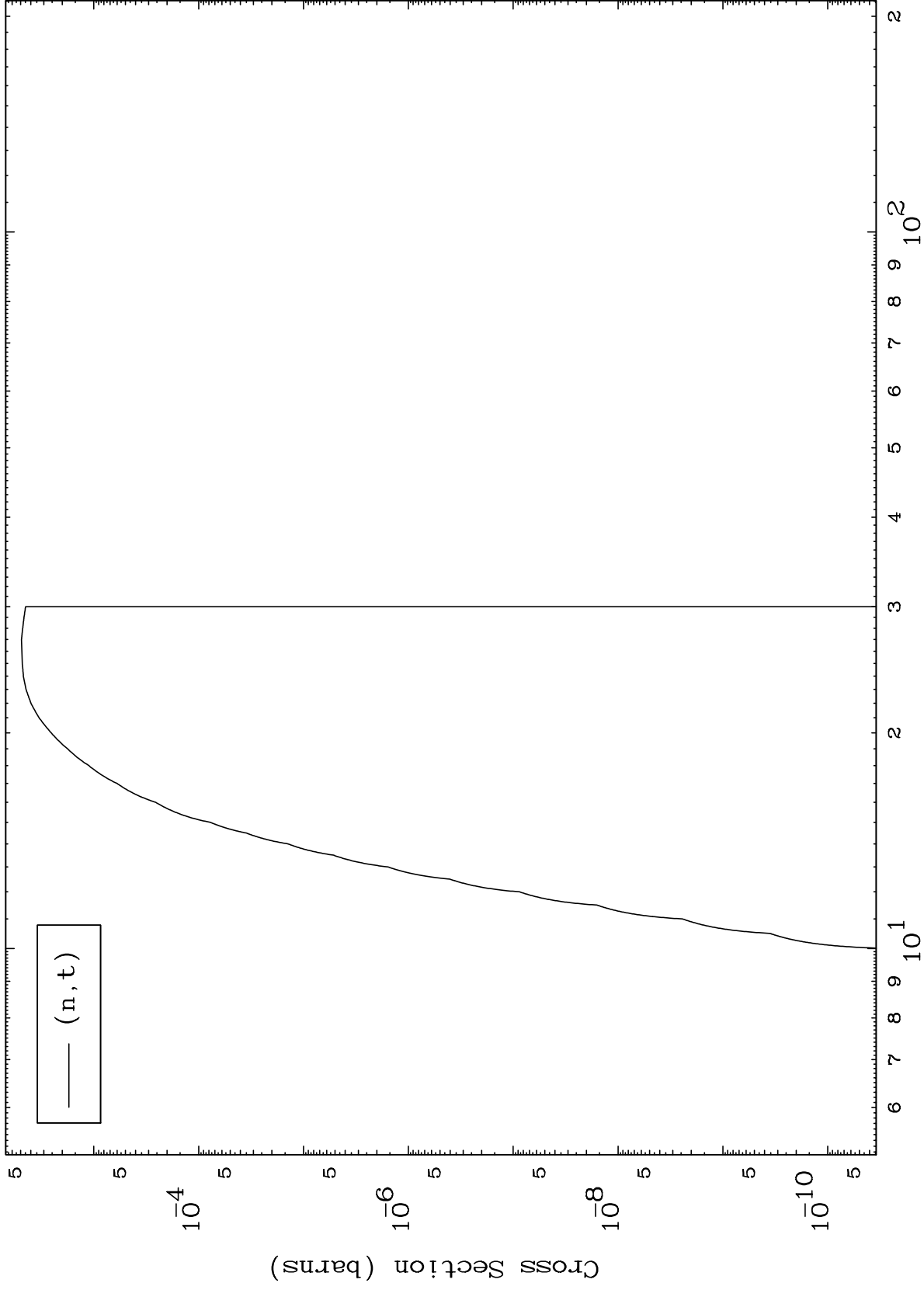
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-151



16

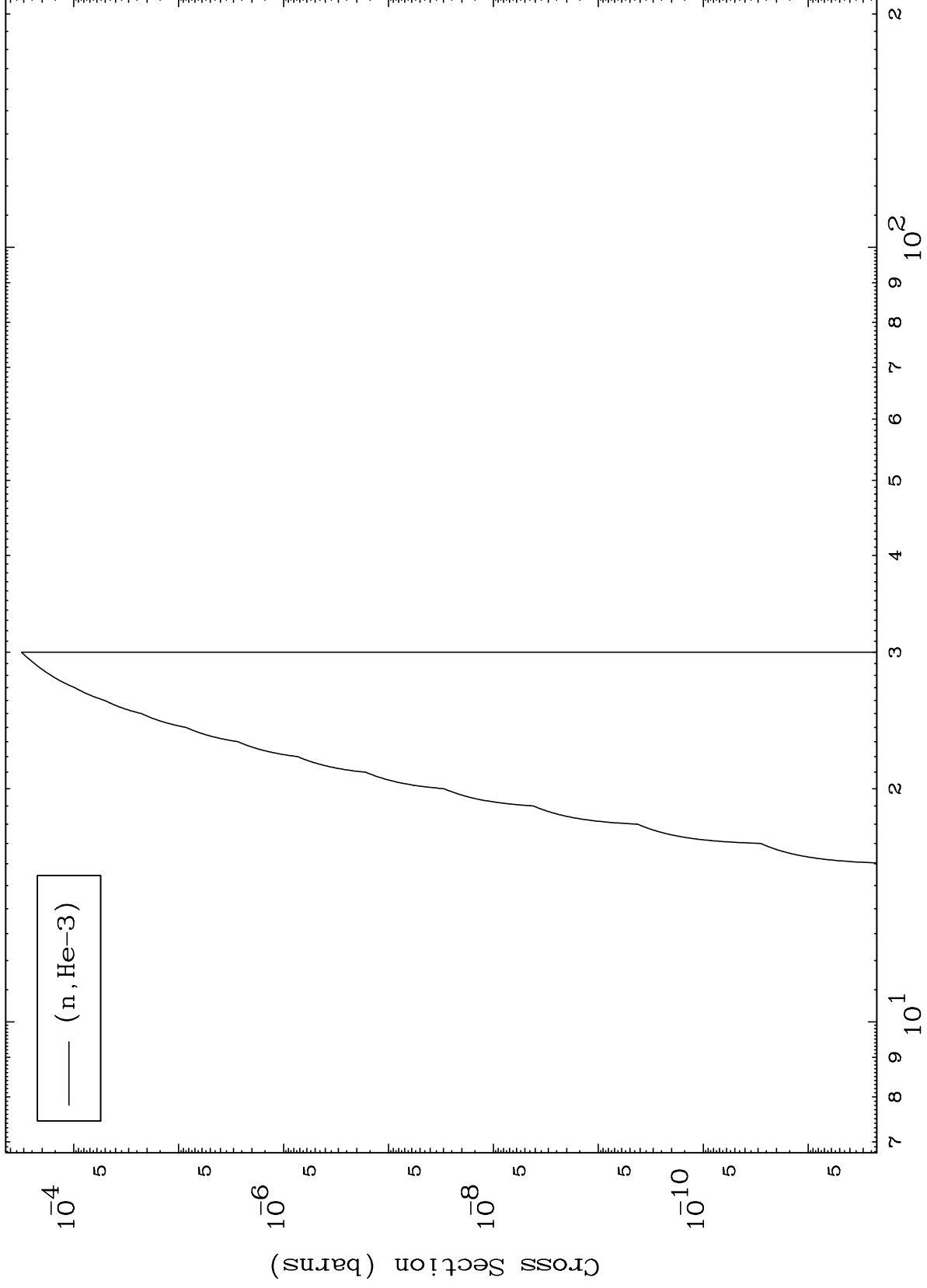
Incident Energy (MeV)

62-Sm-151

MAT 6246

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-151



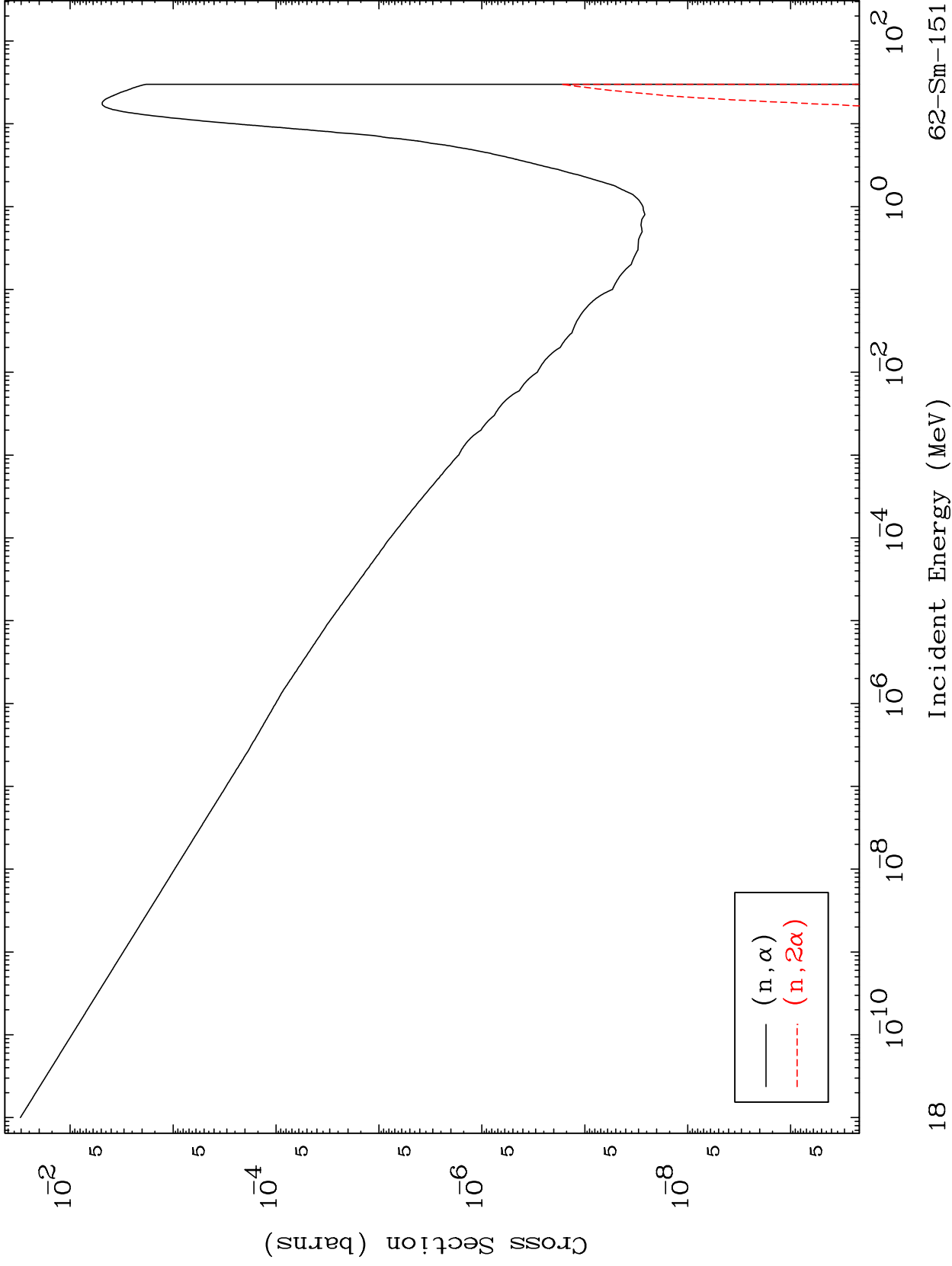
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17

MAT 6246

(n,α) Levels
293 Kelvin Cross Sections

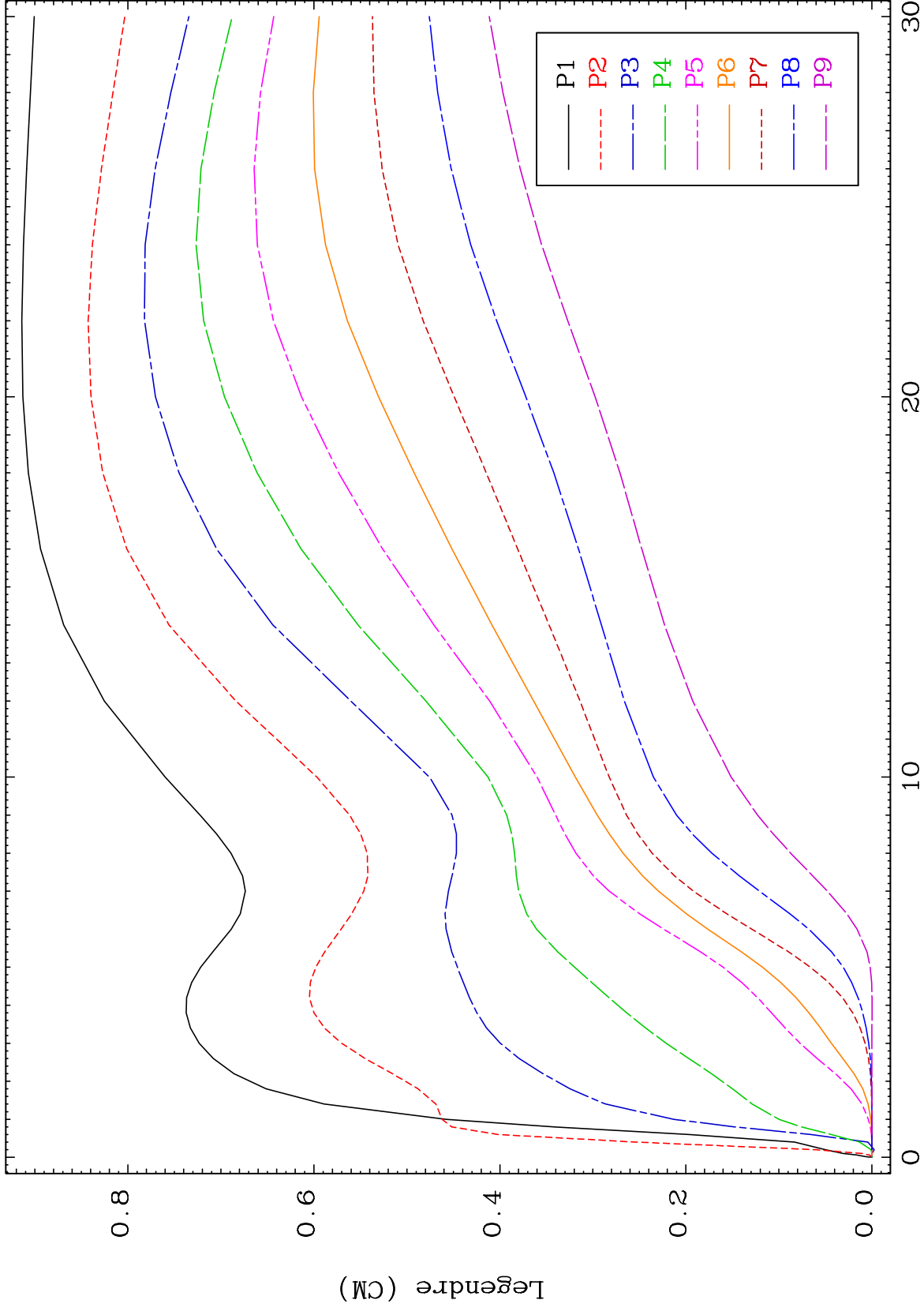
62-Sm-151



MAT 6246

62-Sm-151

Elastic Legendre Coefficients



19

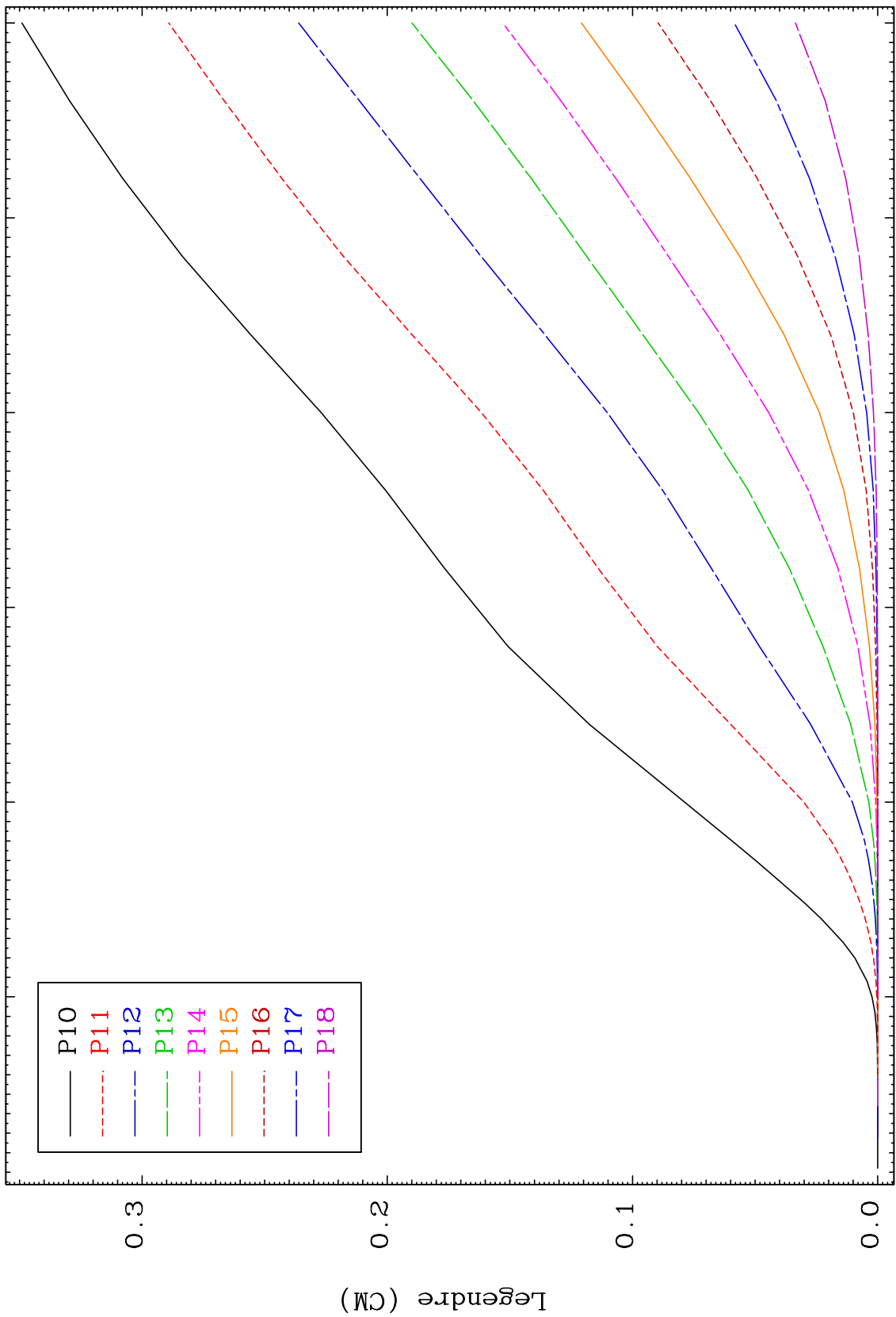
Incident Energy (MeV)

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



20

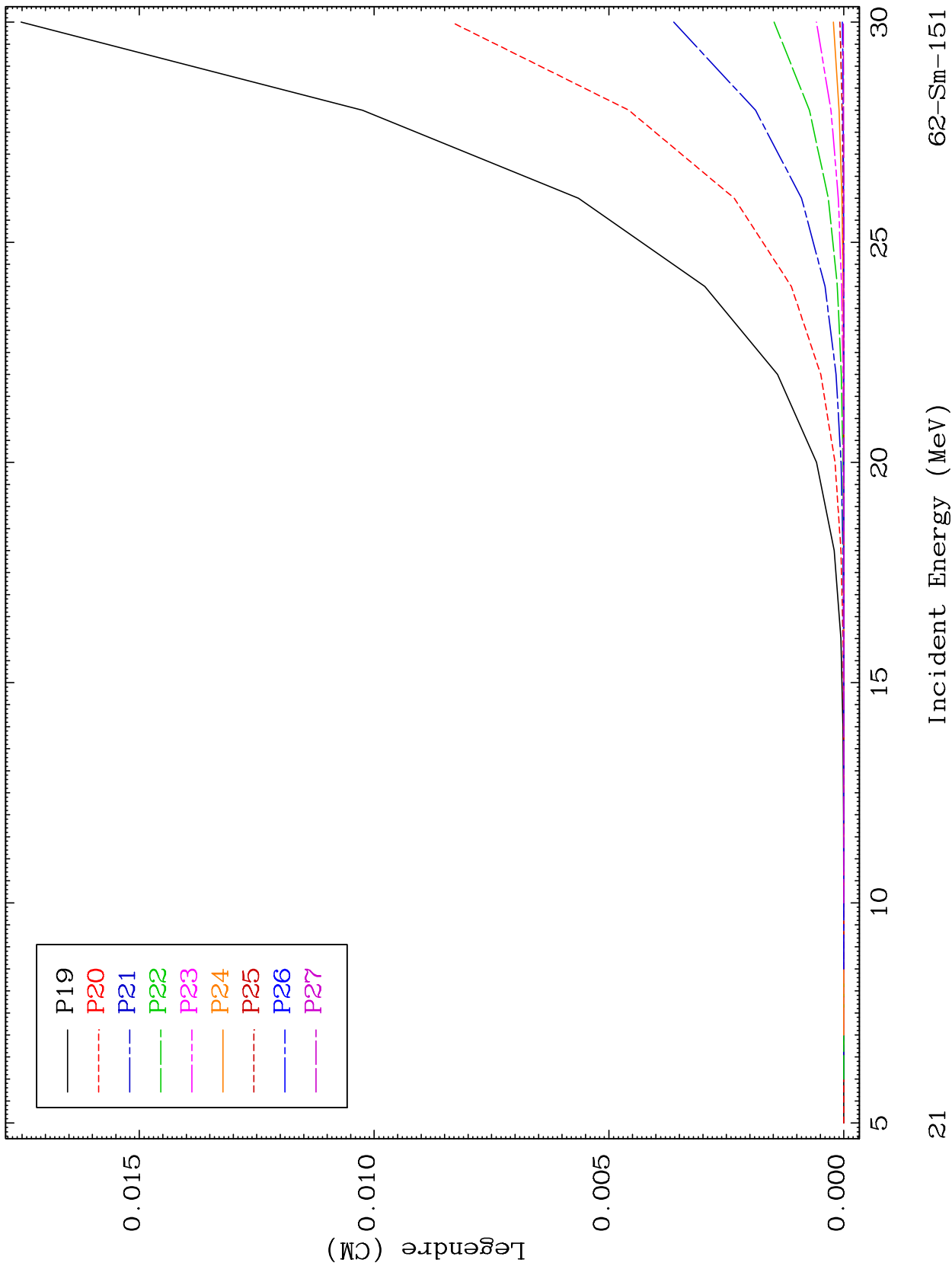
Incident Energy (MeV)

62-Sm-151

MAT 6246

Elastic Legendre Coefficients

62-Sm-151



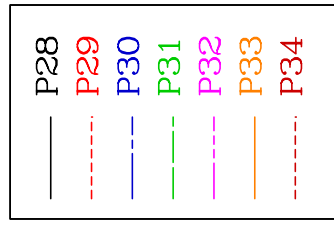
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62-Sm-151

MAT 6246

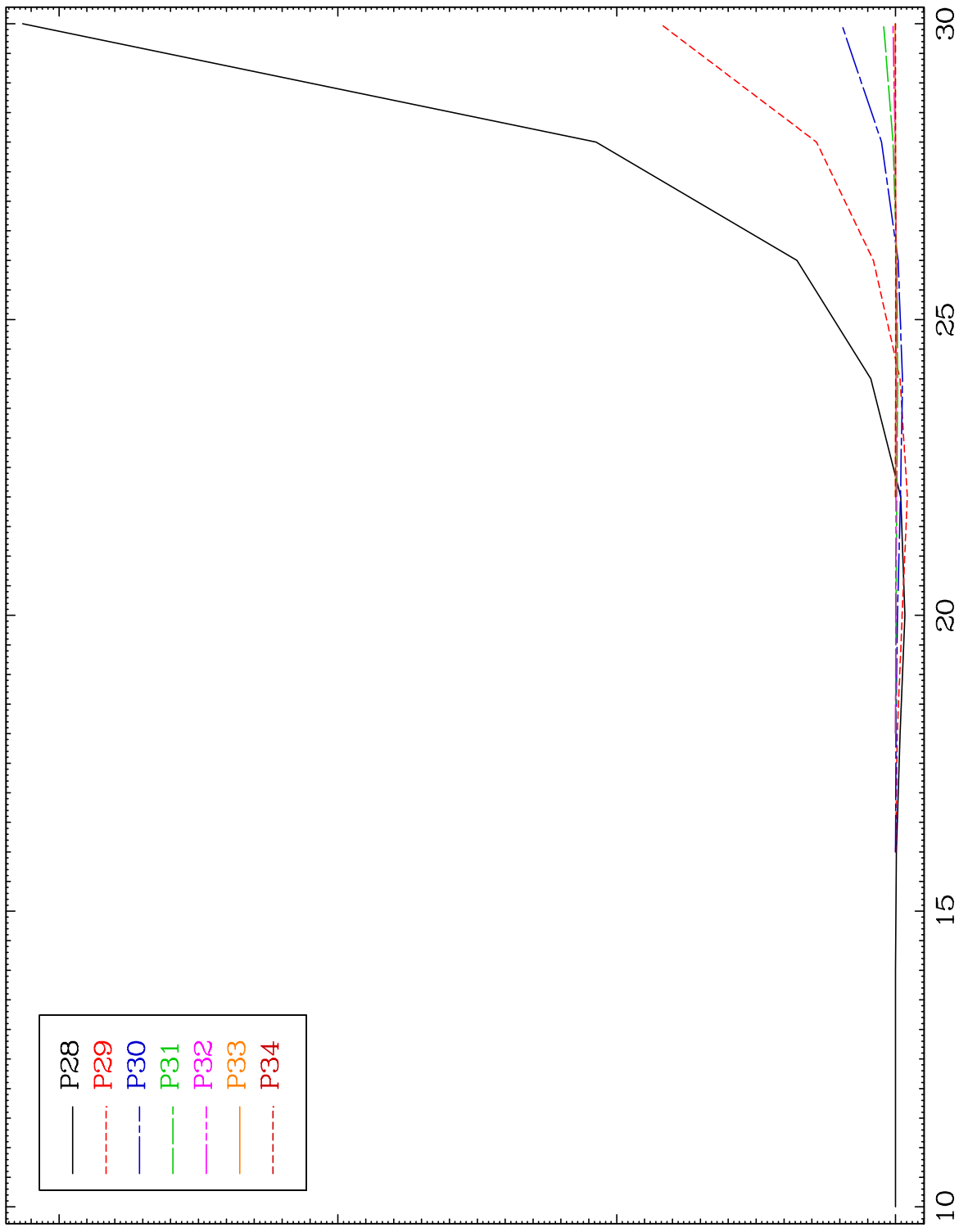
Elastic
Legendre Coefficients

62-Sm-151



$\times 10^{-63}$

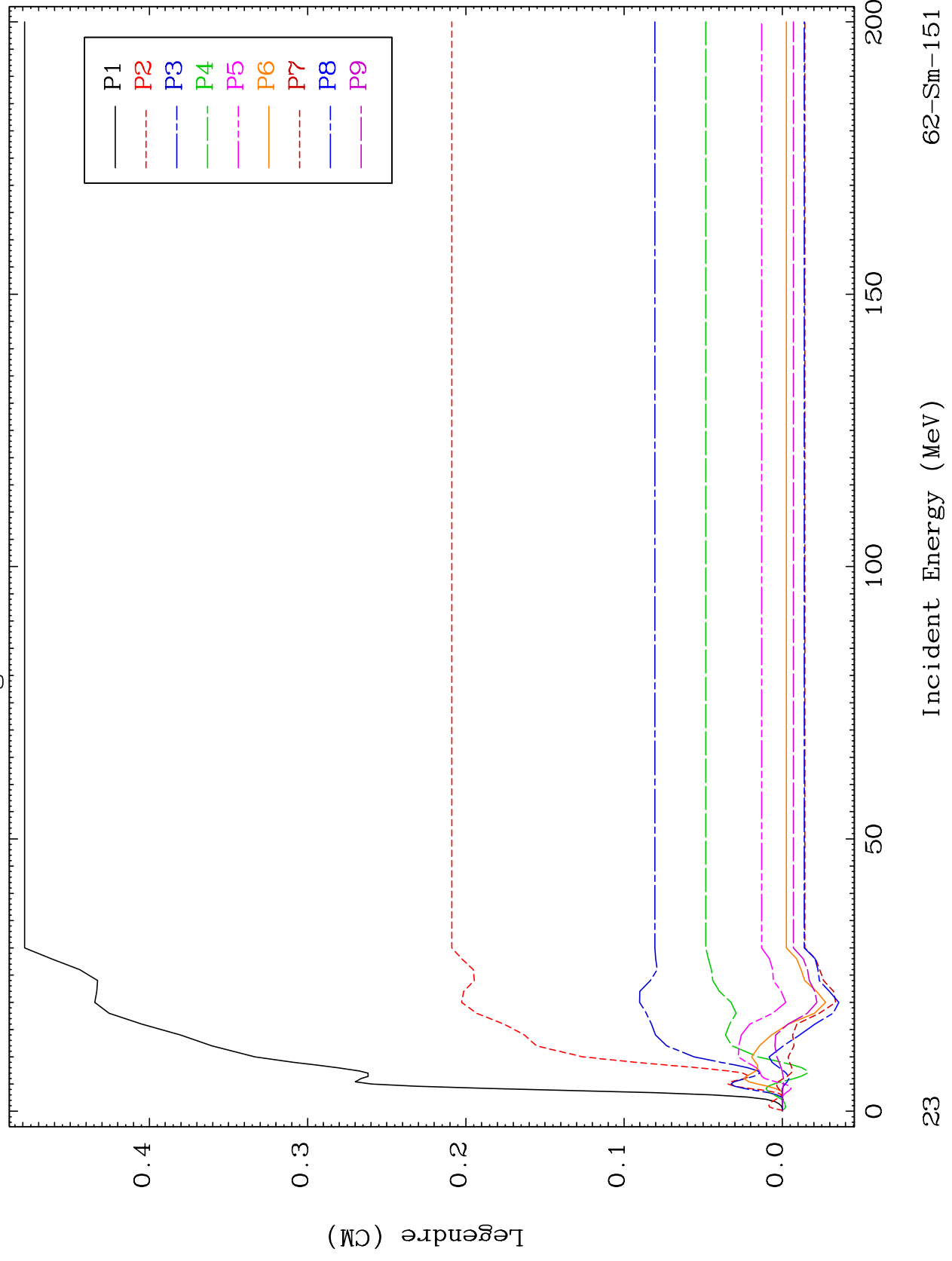
Legendre (CM)



22

Incident Energy (MeV)

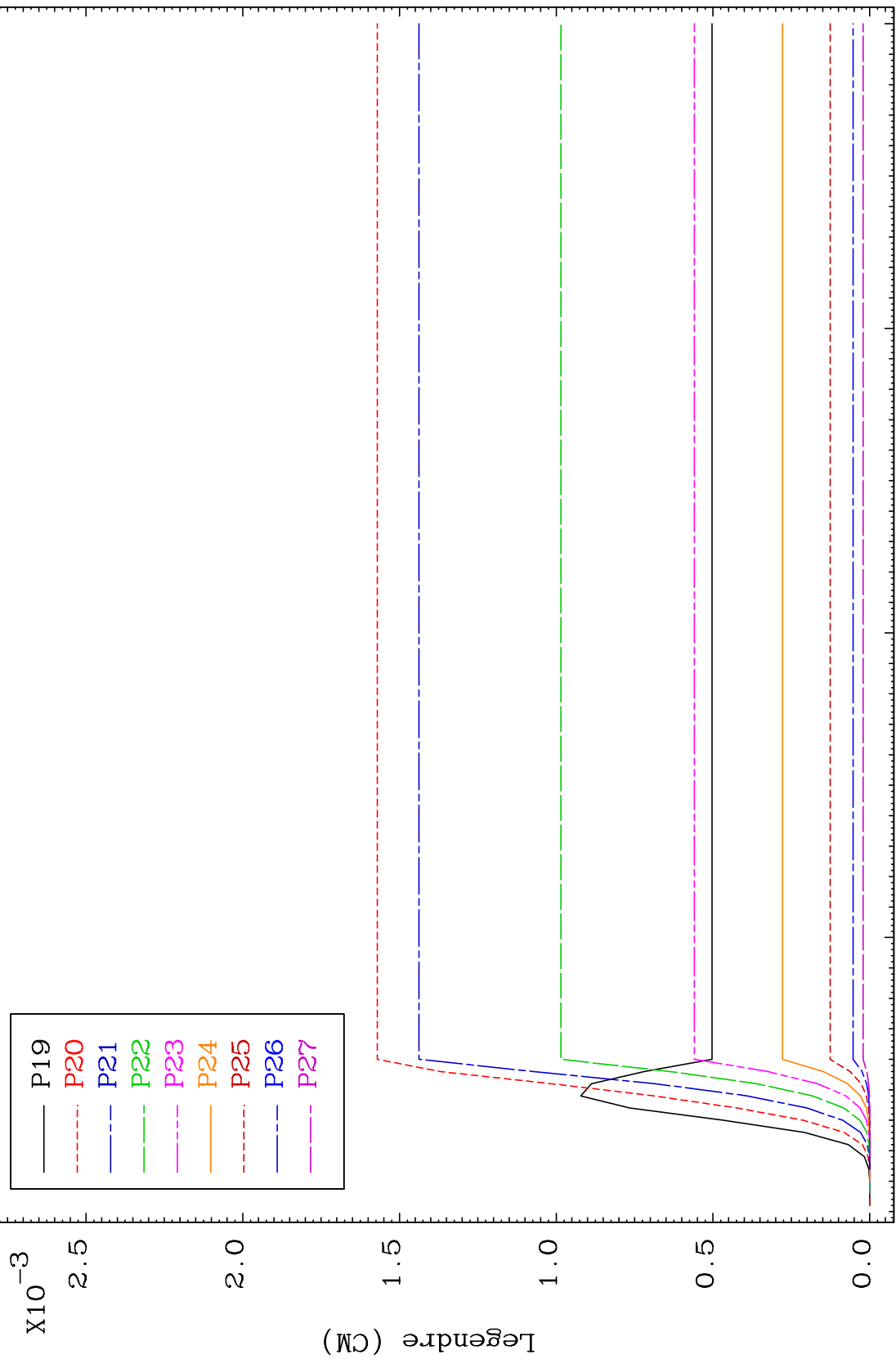
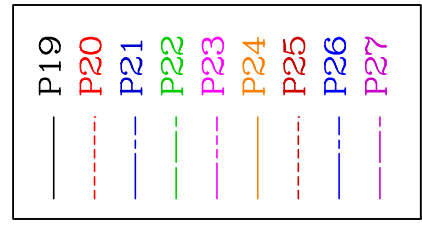
62-Sm-151



MAT 6246

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

62-Sm-151



25

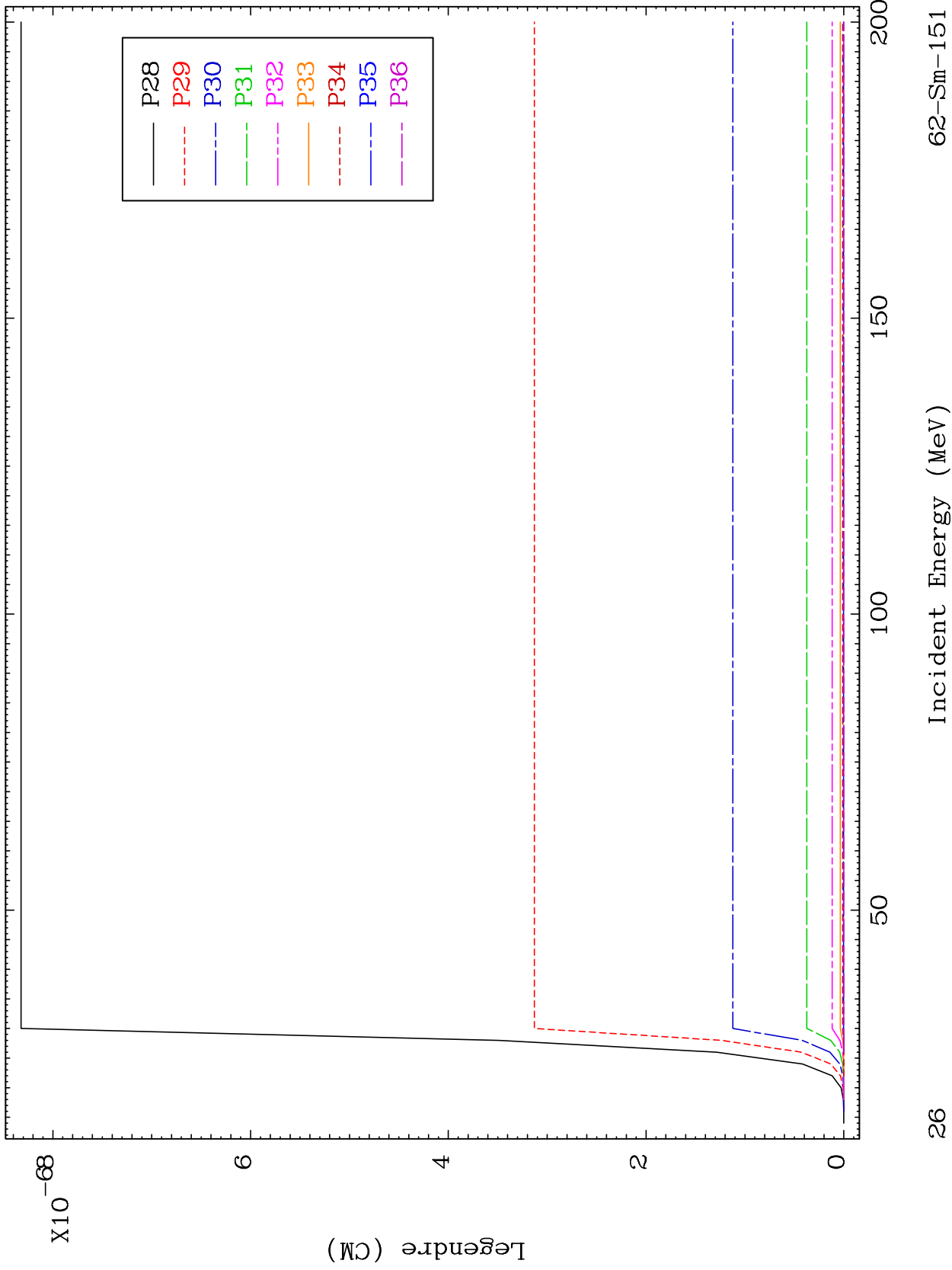
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

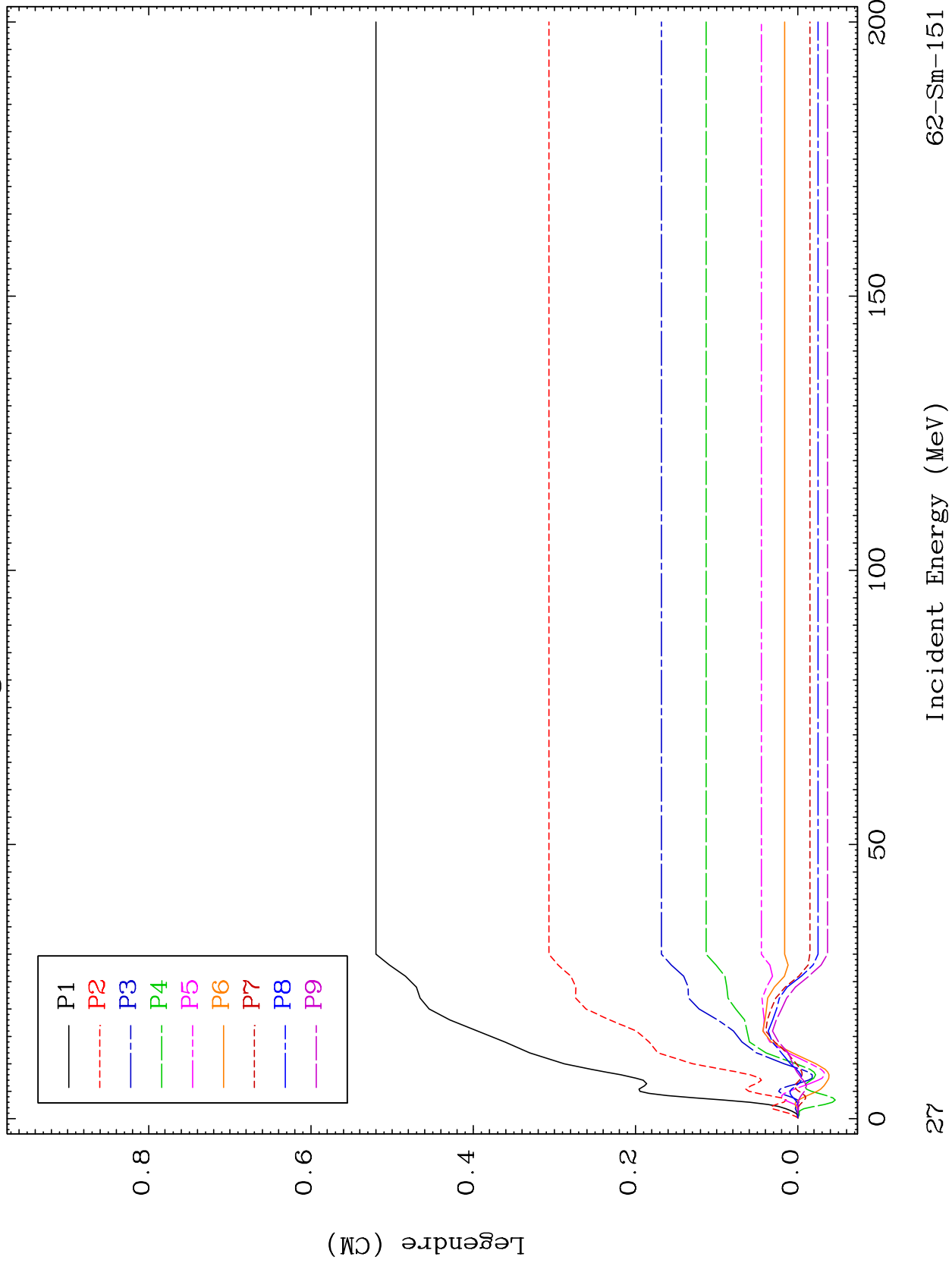
62-Sm-151



MAT 6246

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

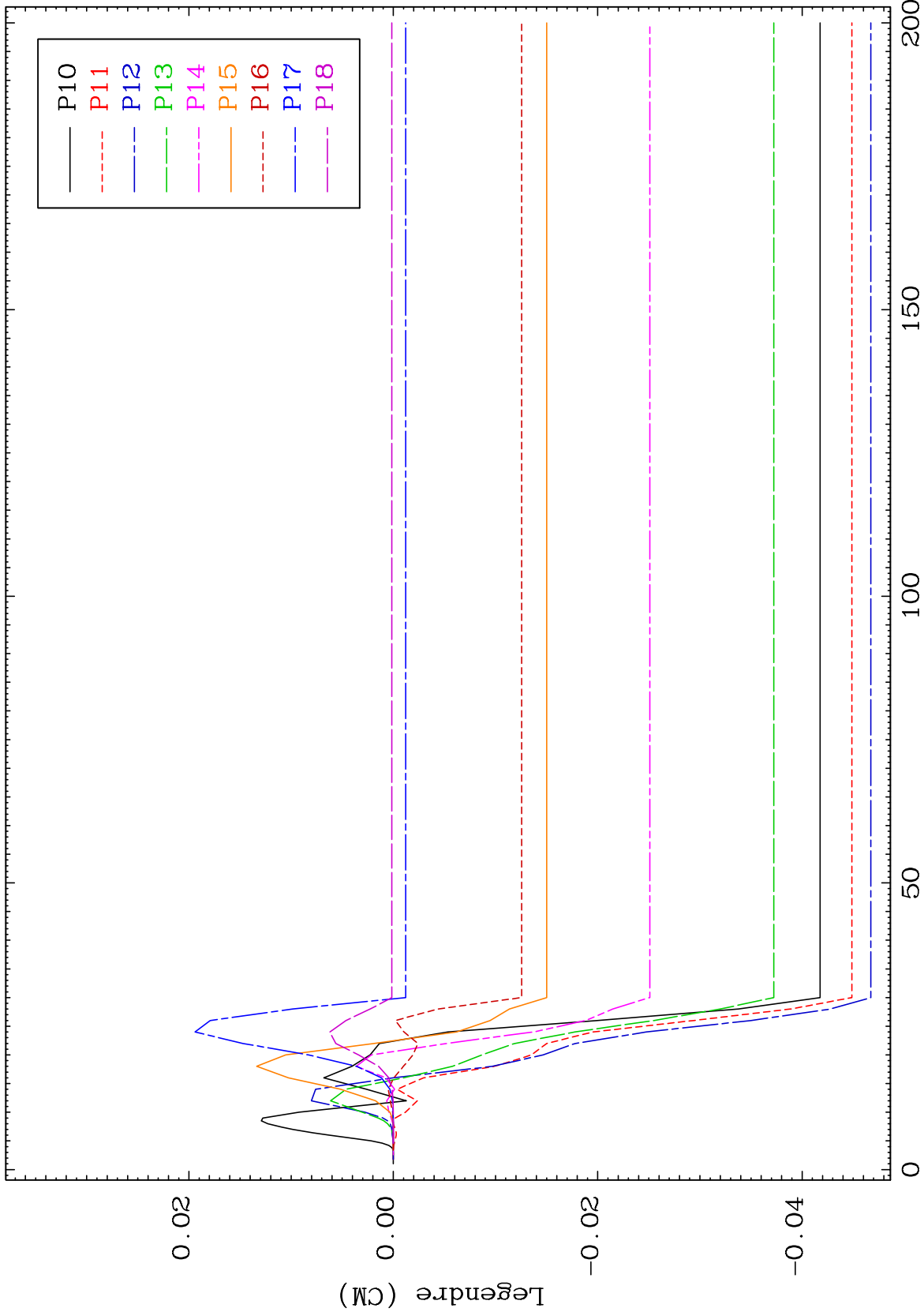
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MAT 6246

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

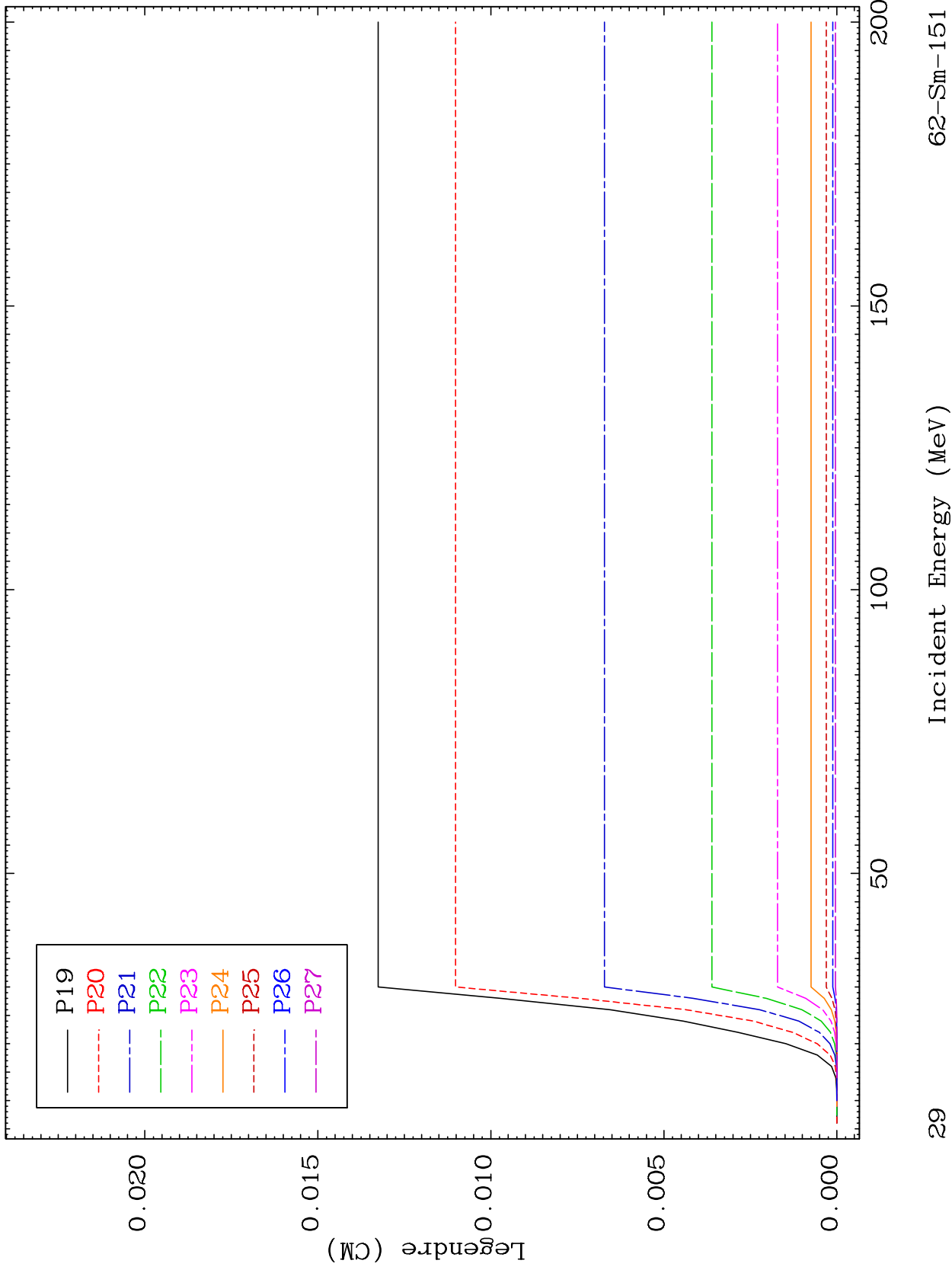
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28

Incident Energy (MeV)

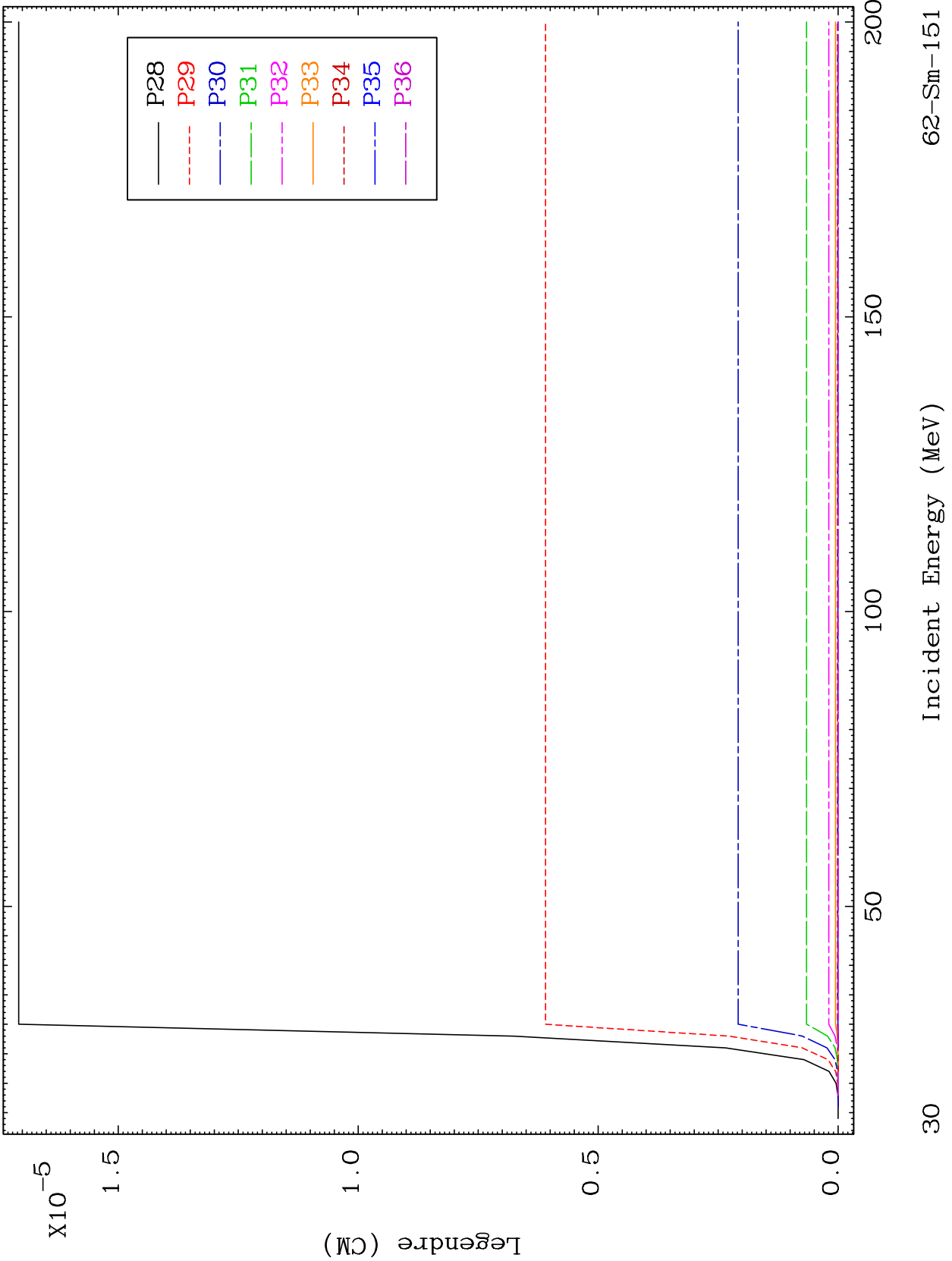
62-Sm-151



MAT 6246

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

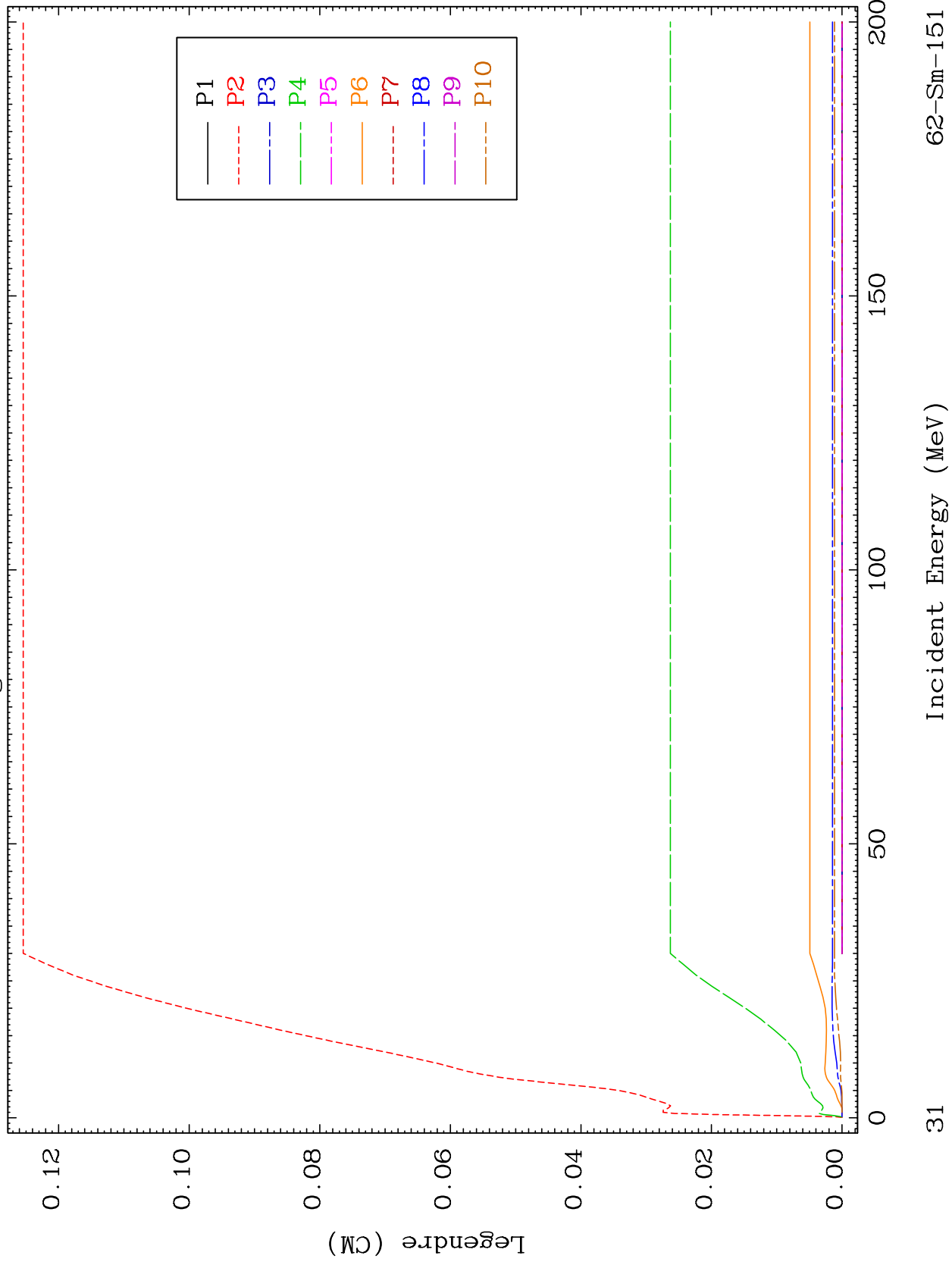
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

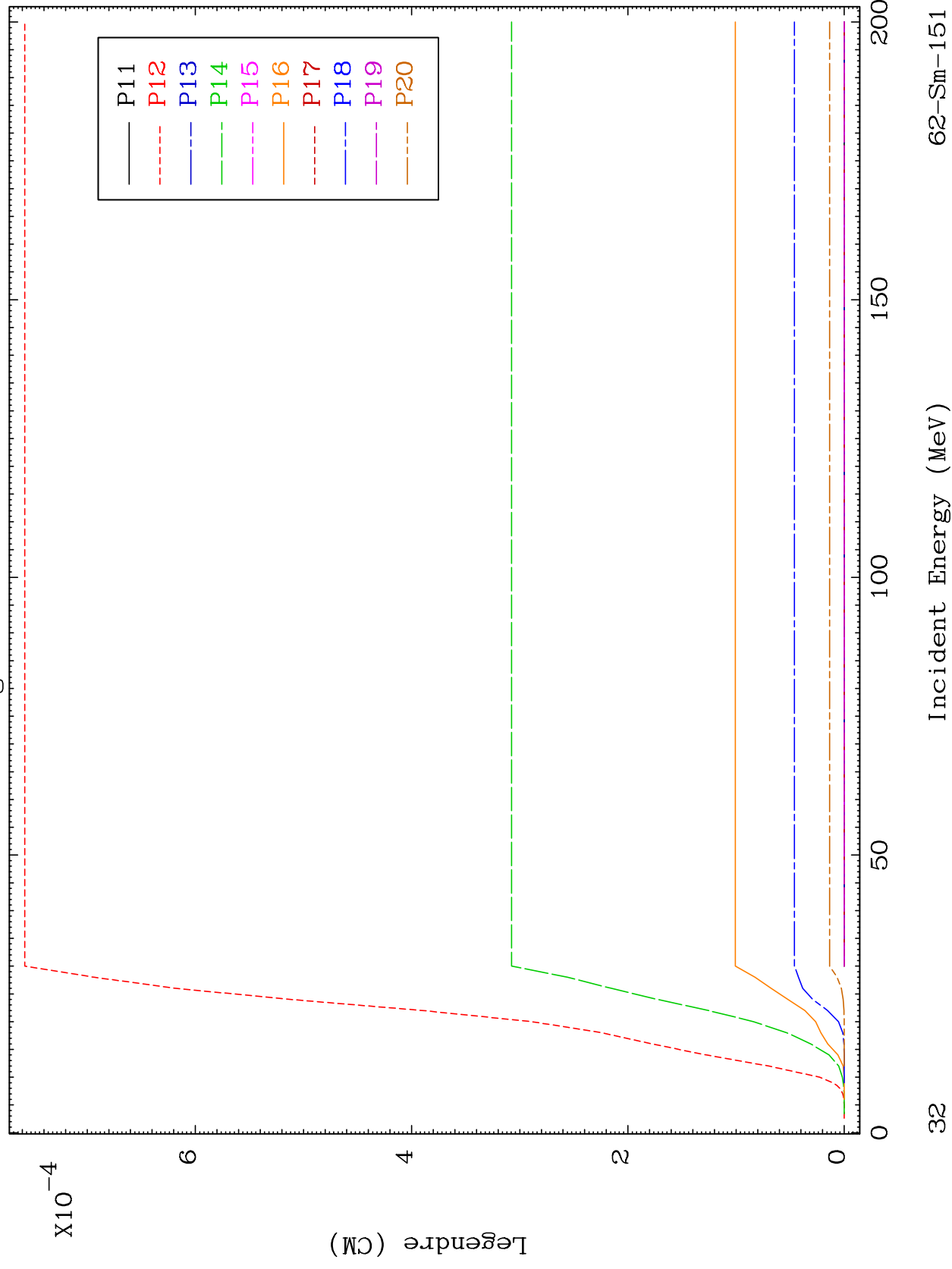
Incident Energy (MeV)

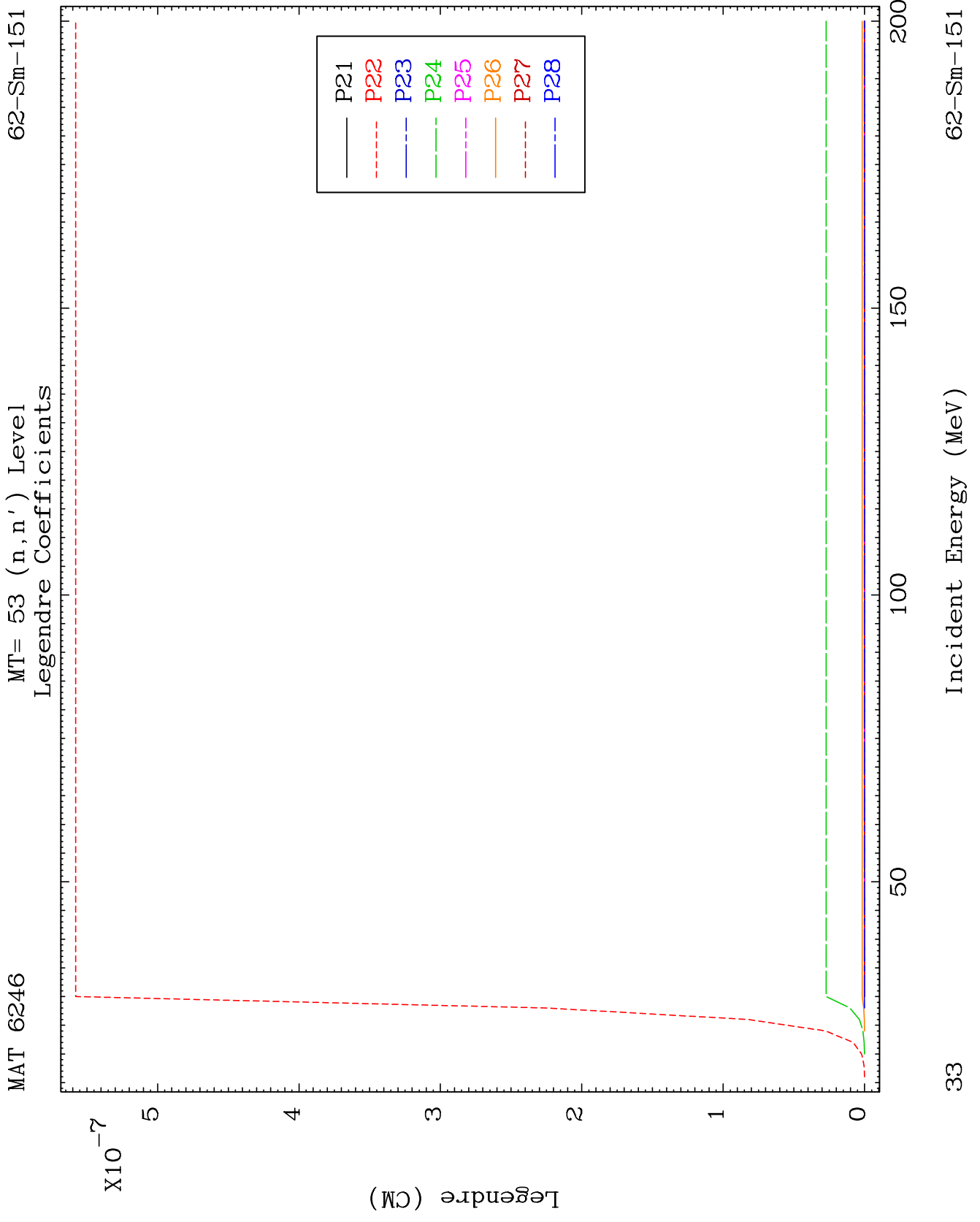
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MAT 6246

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

62-Sm-151

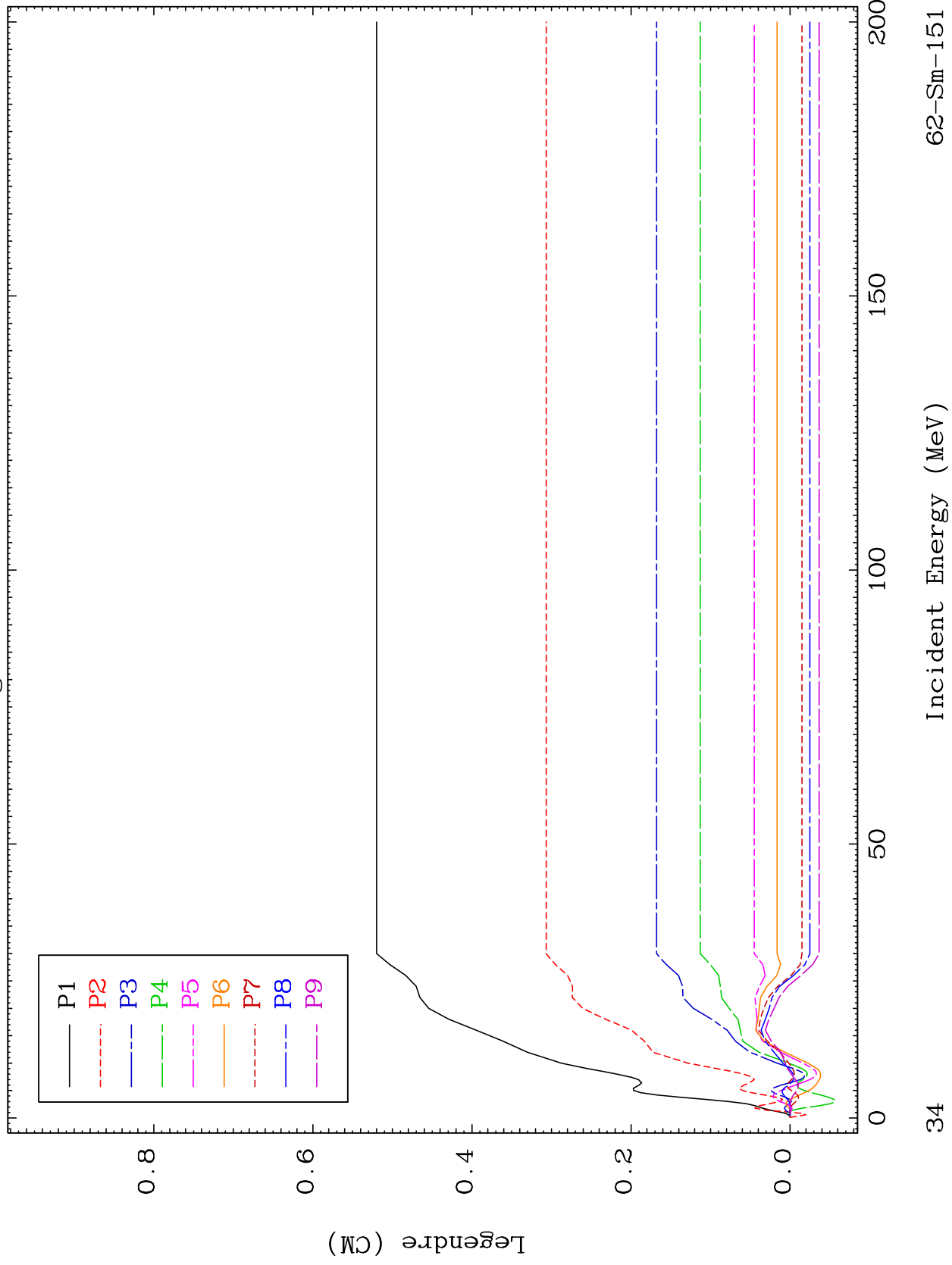




MAT 6246

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

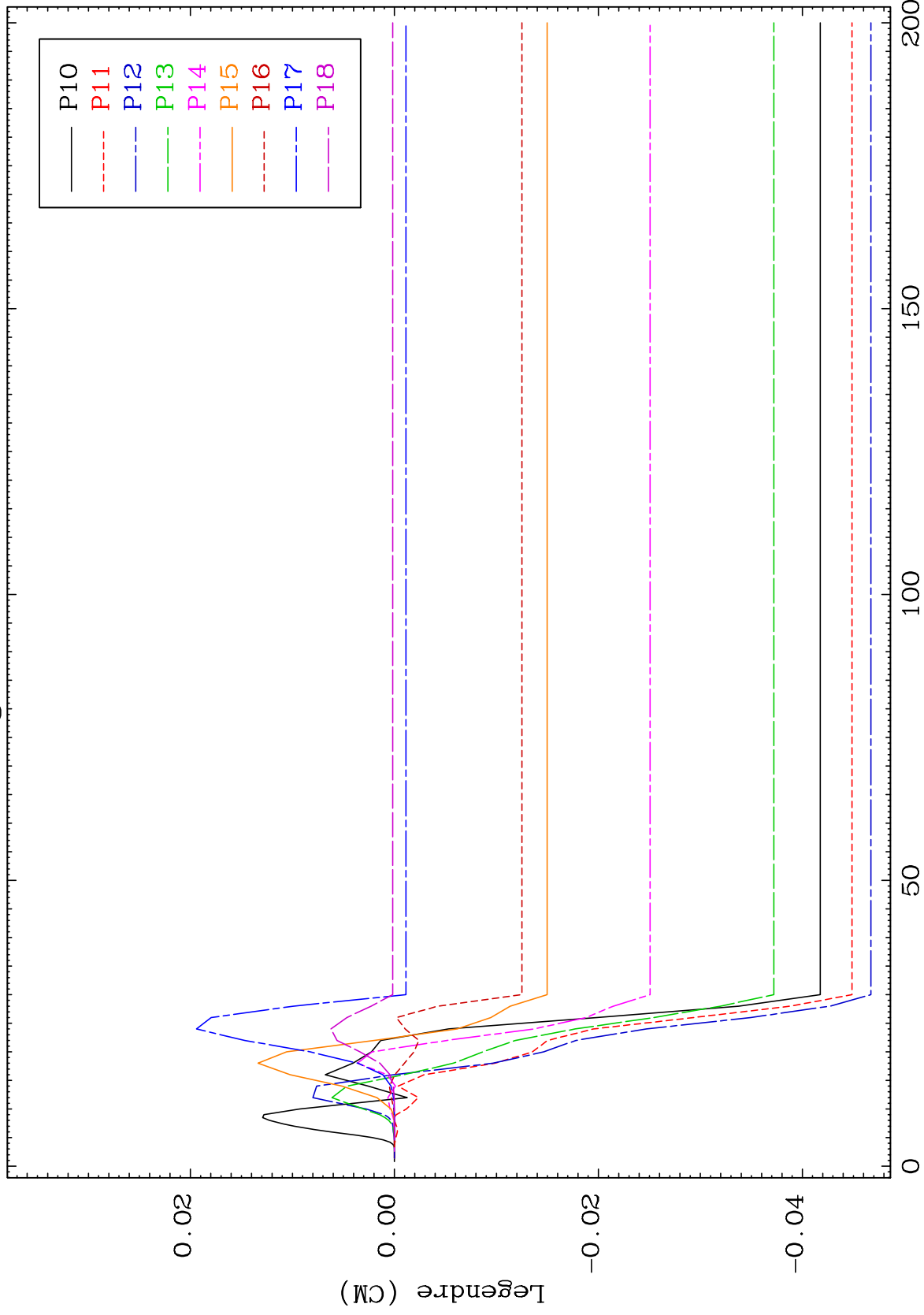
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MAT 6246

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

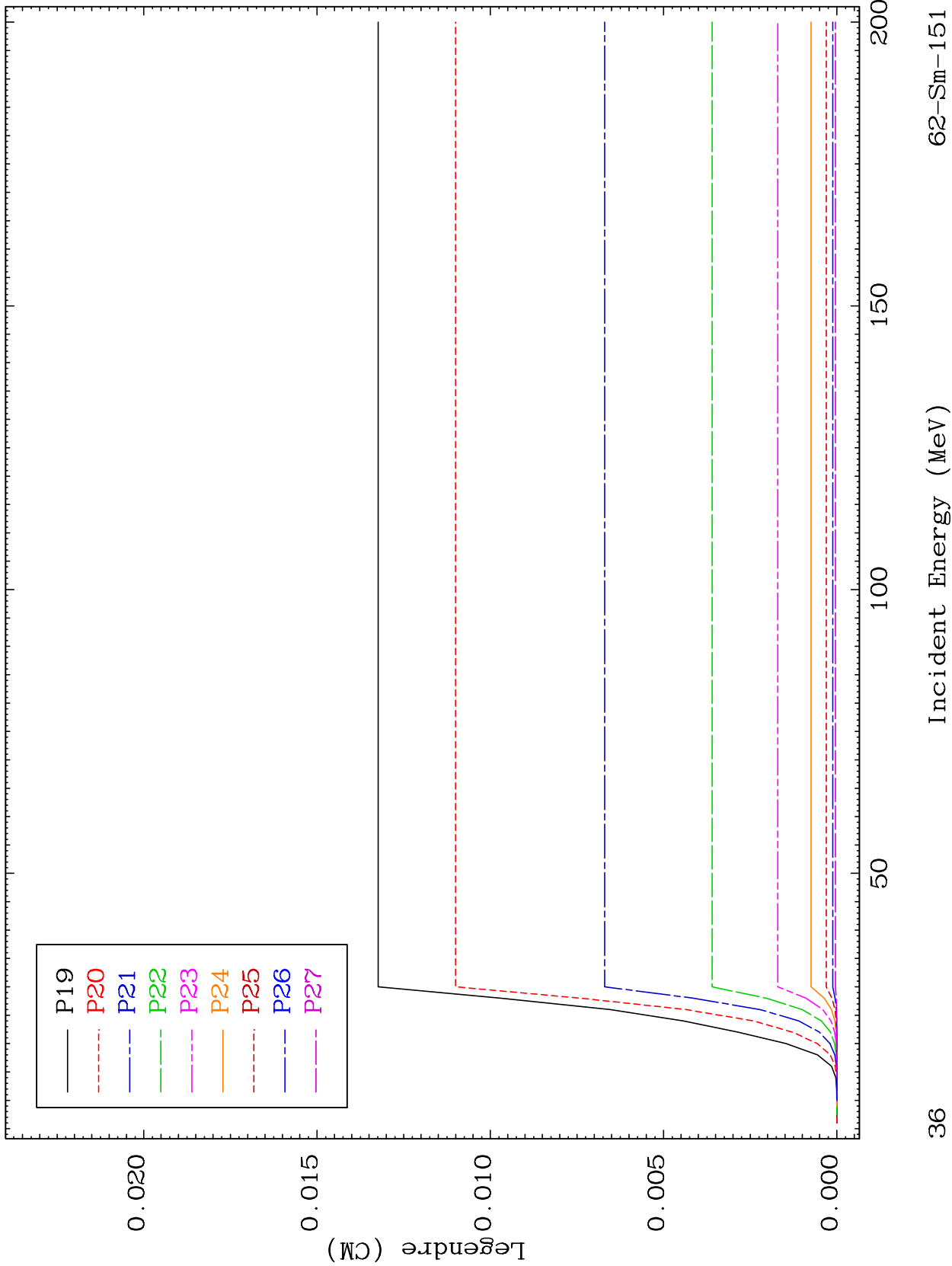
62-Sm-151



62-Sm-151

Incident Energy (MeV)

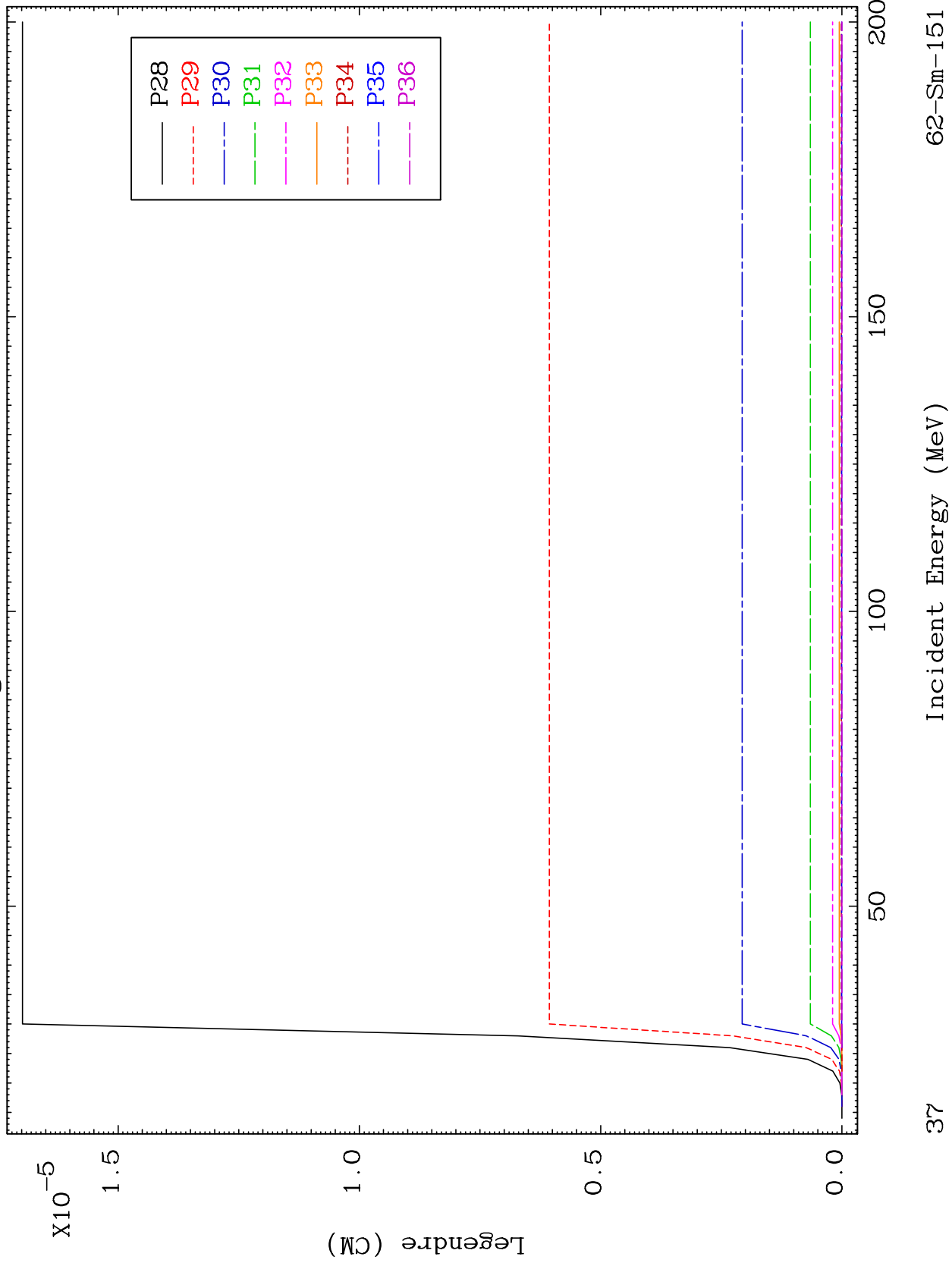
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MAT 6246

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

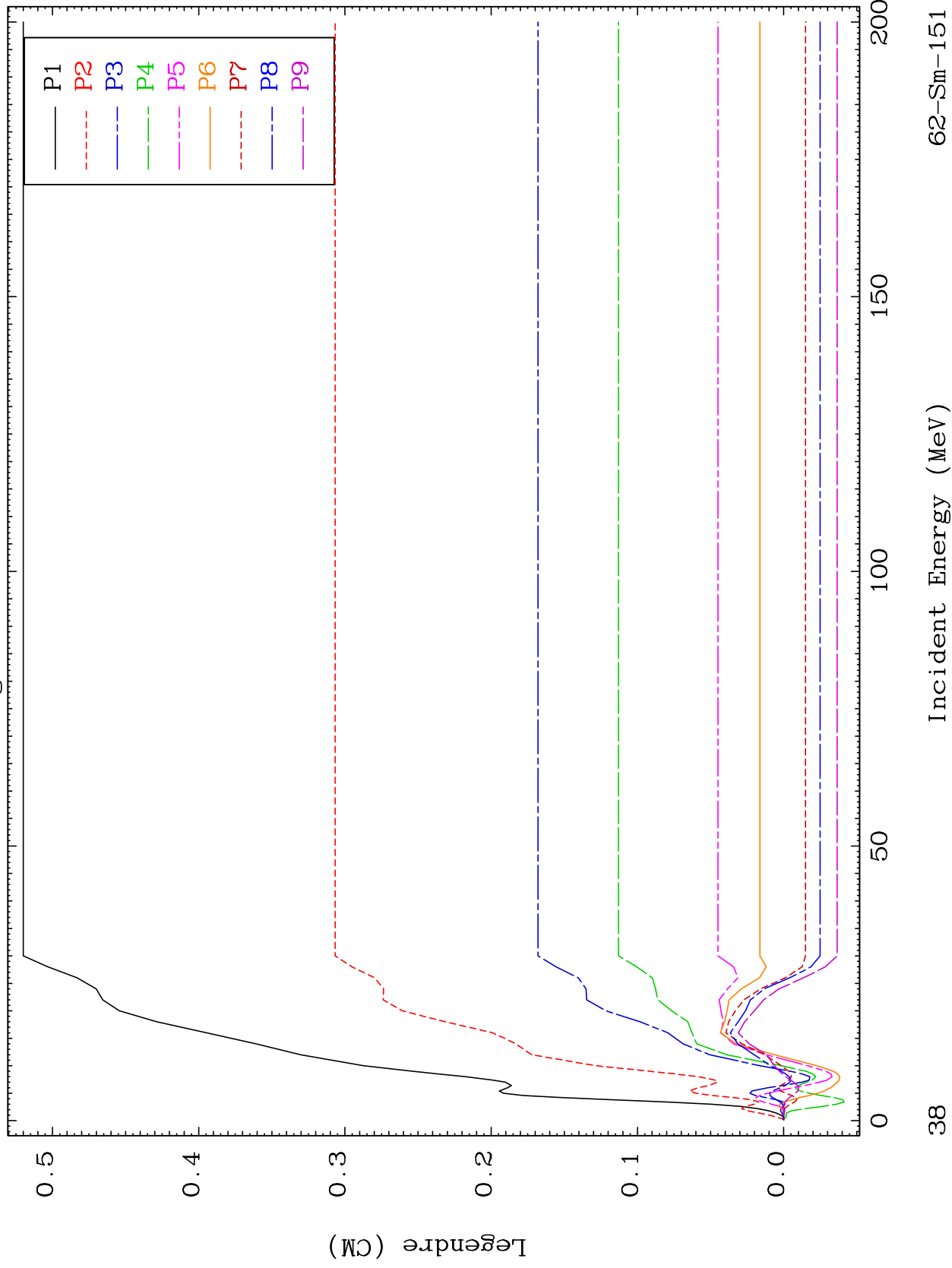
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

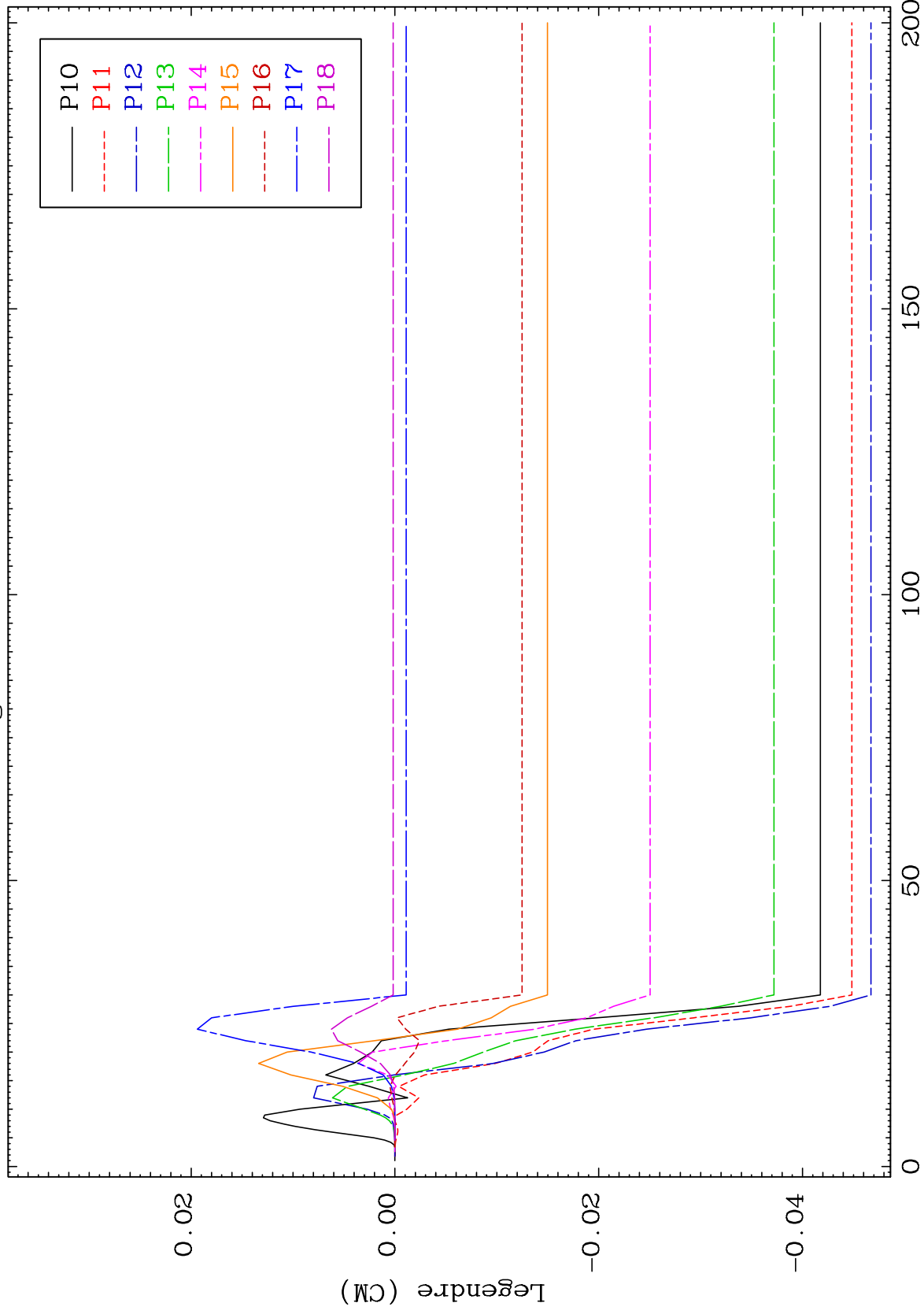
Incident Energy (MeV)

38

MAT 6246

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

62-Sm-151



39

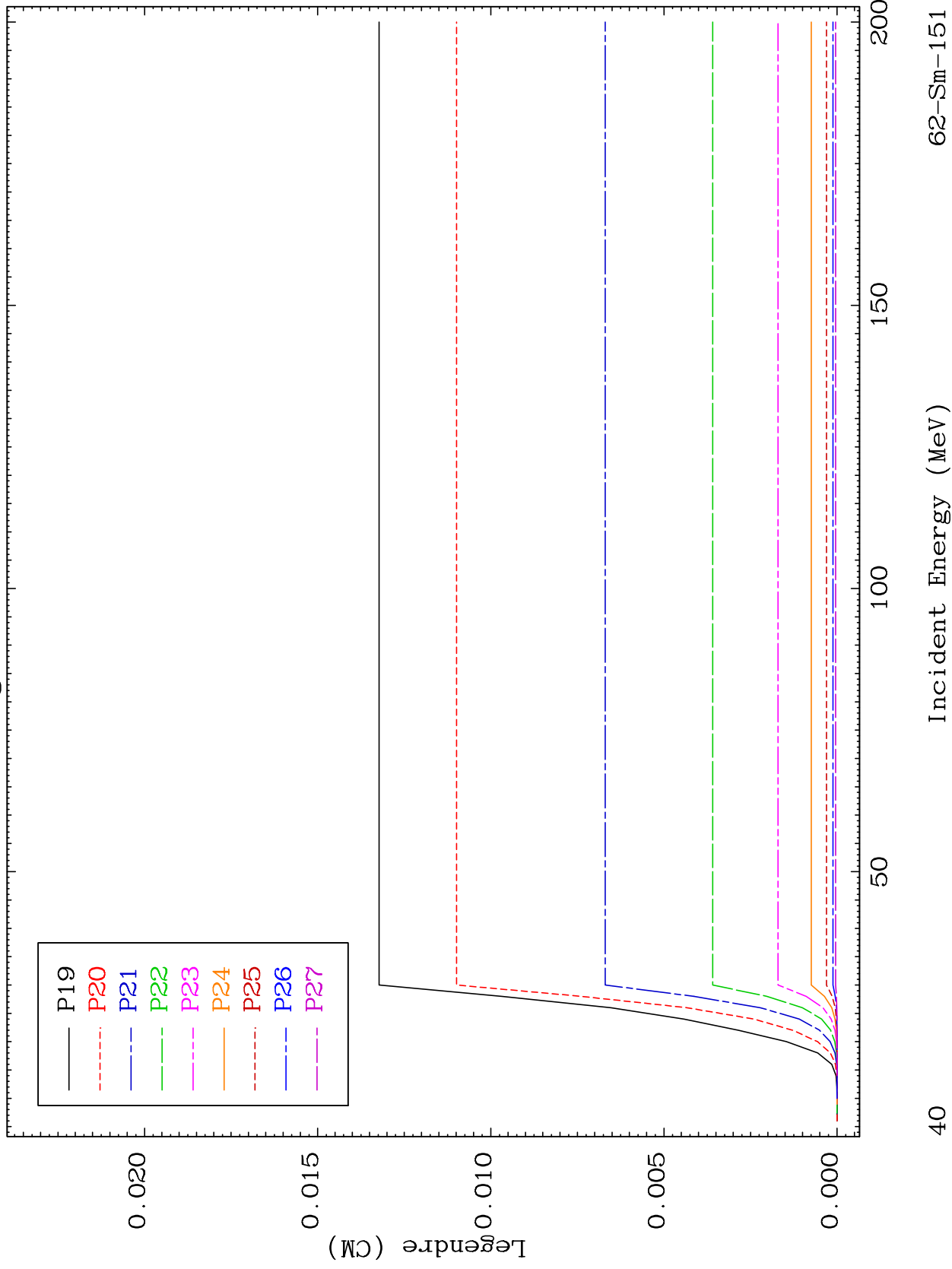
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



40

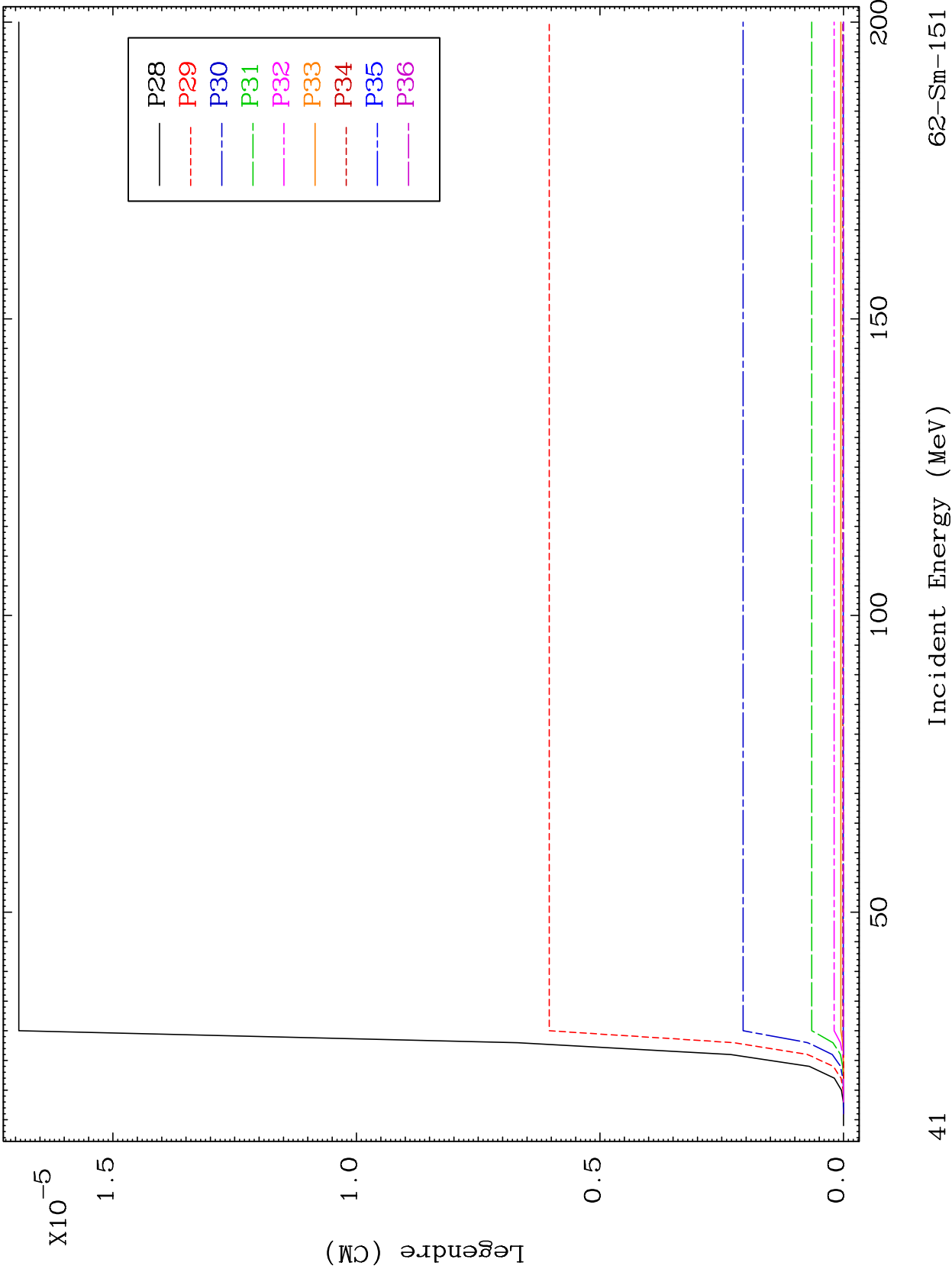
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



41

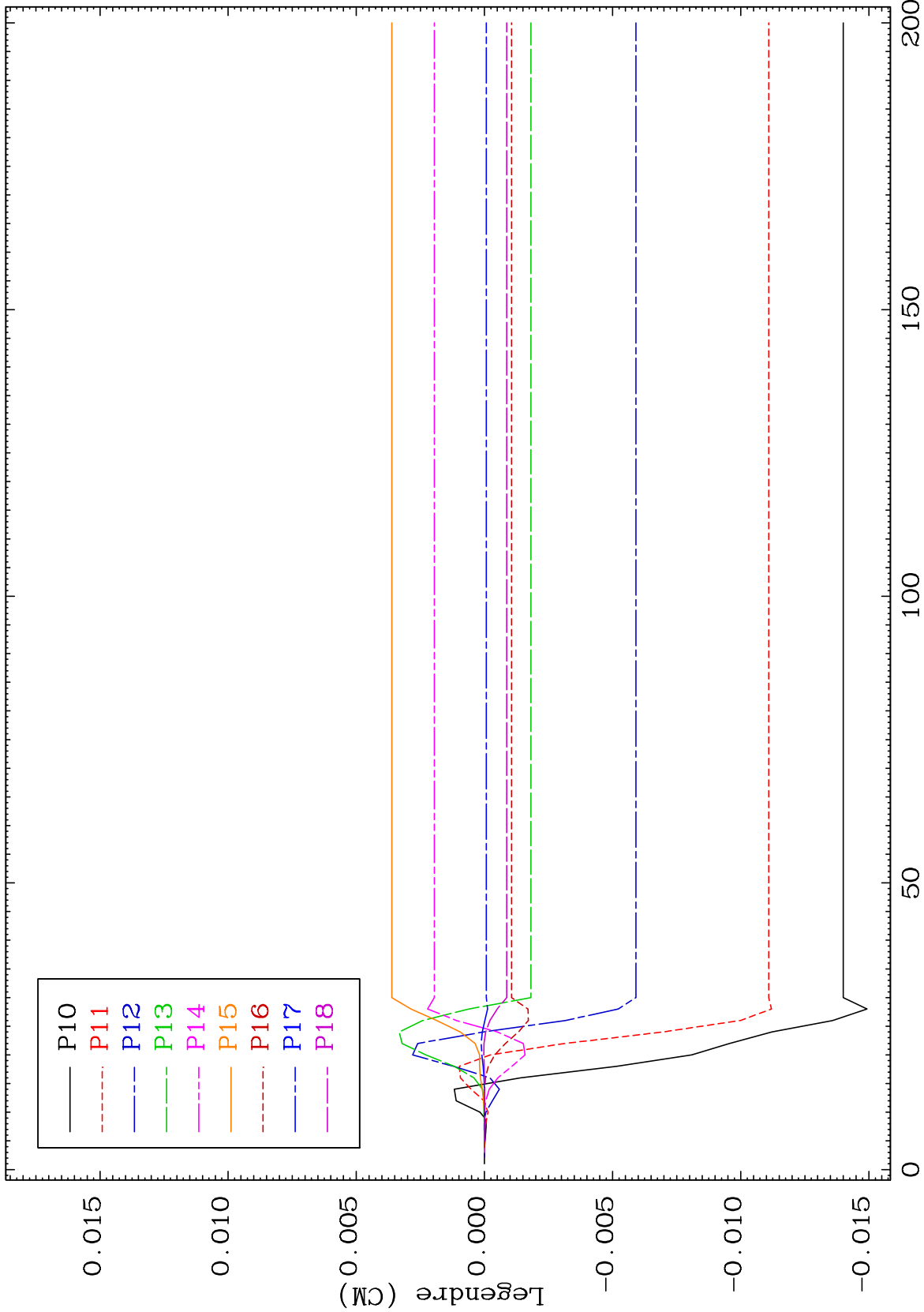
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



43

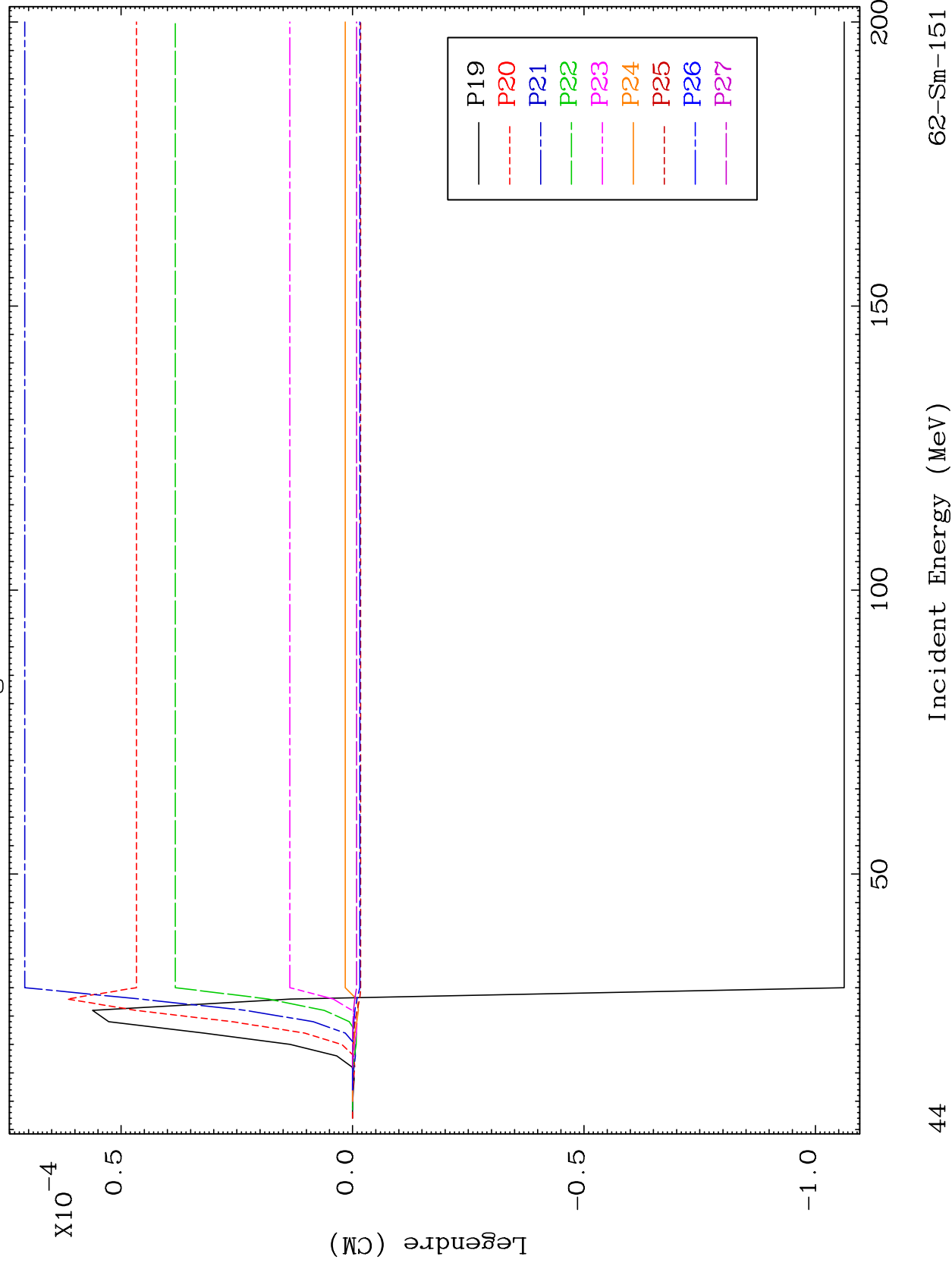
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

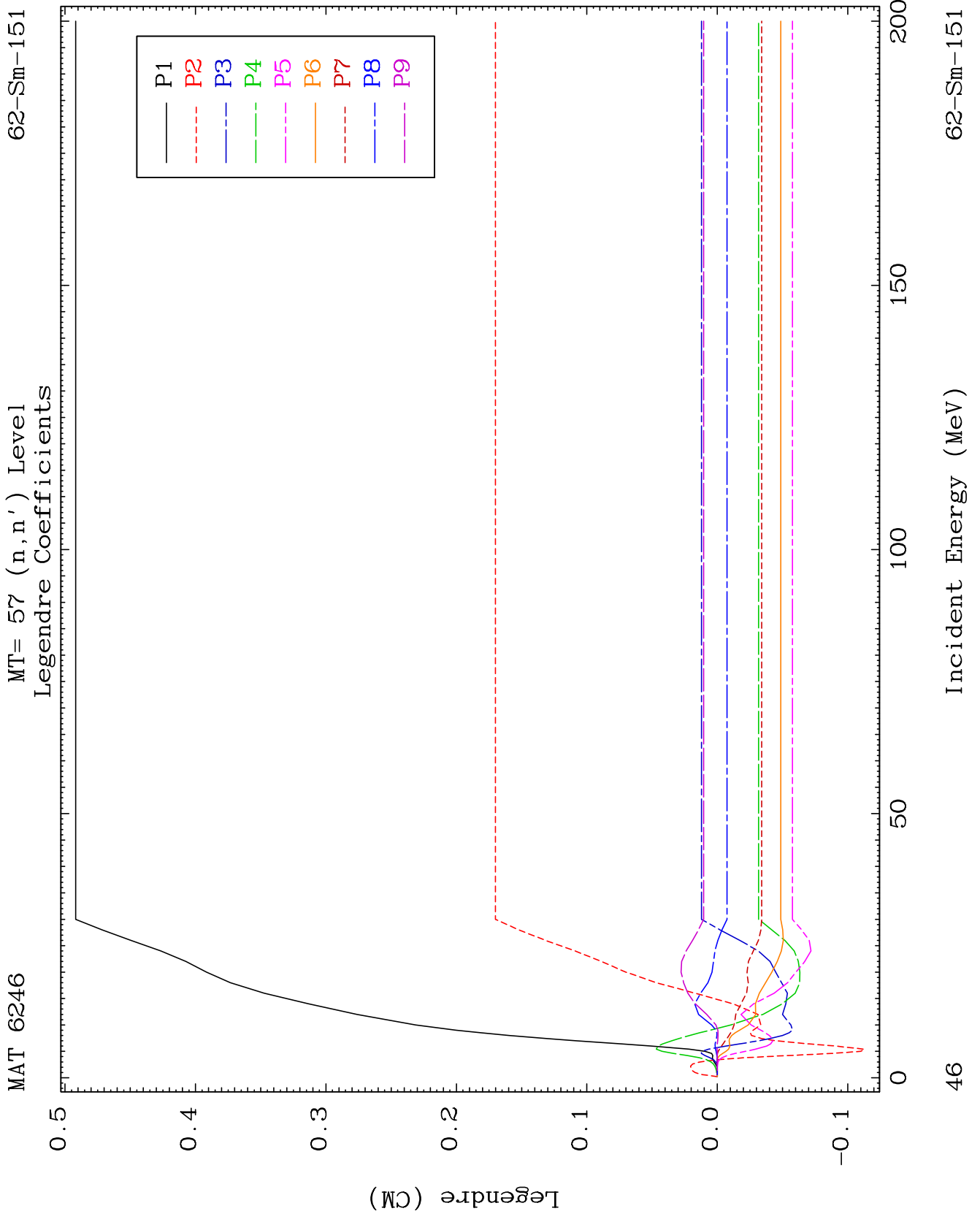
62-Sm-151



44

Incident Energy (MeV)

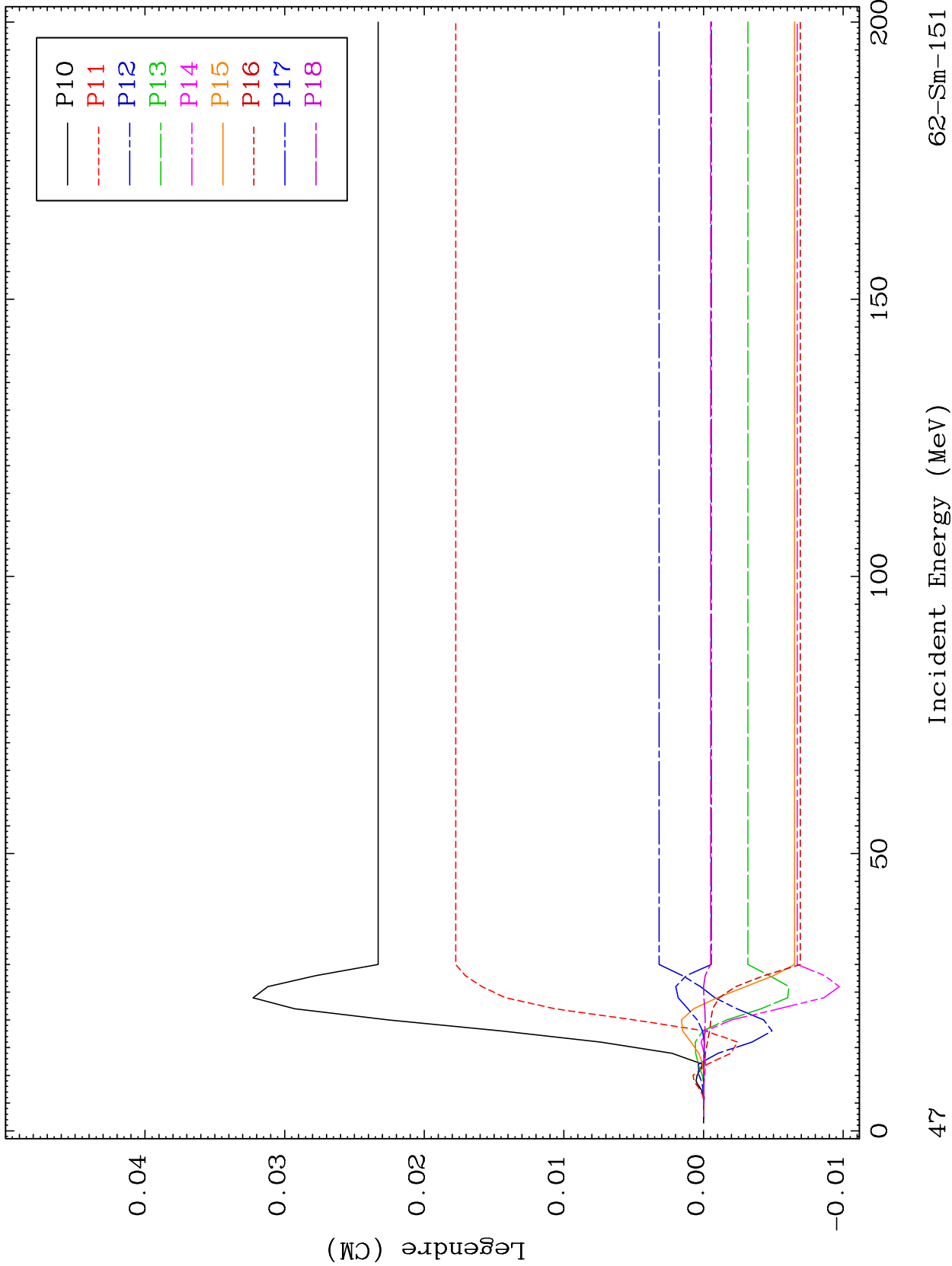
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

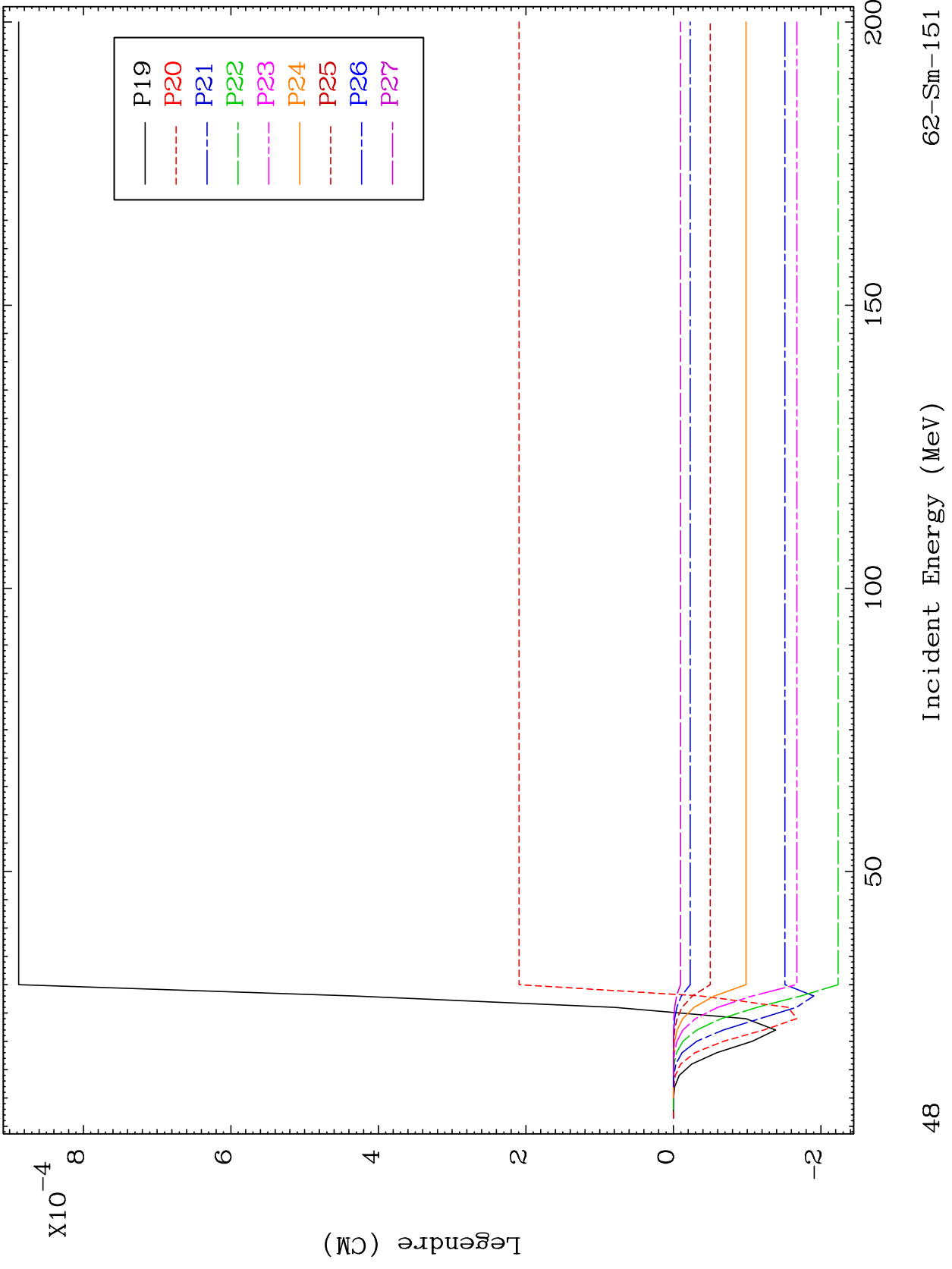
Incident Energy (MeV)

47

MAT 6246

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

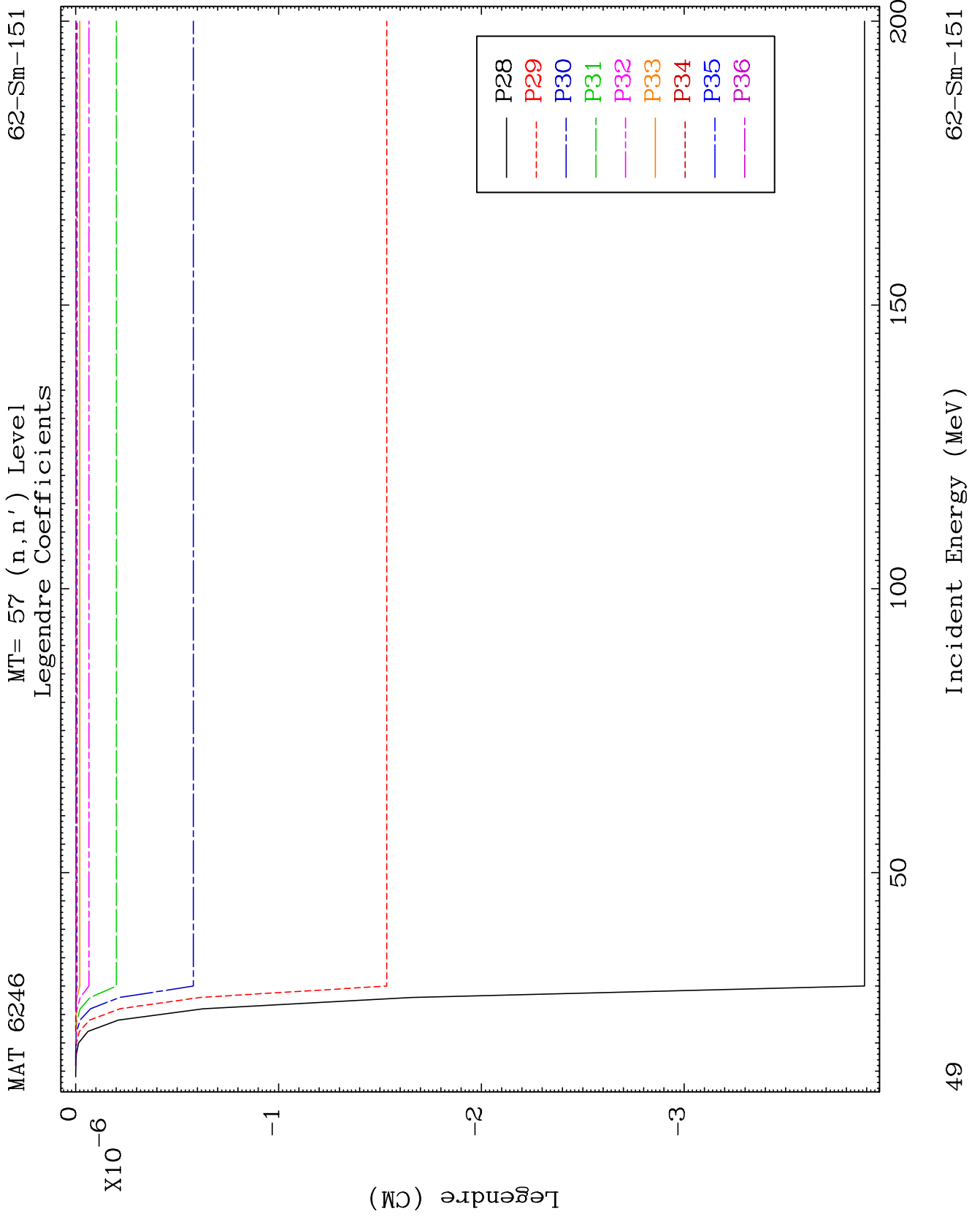
62-Sm-151



48

Incident Energy (MeV)

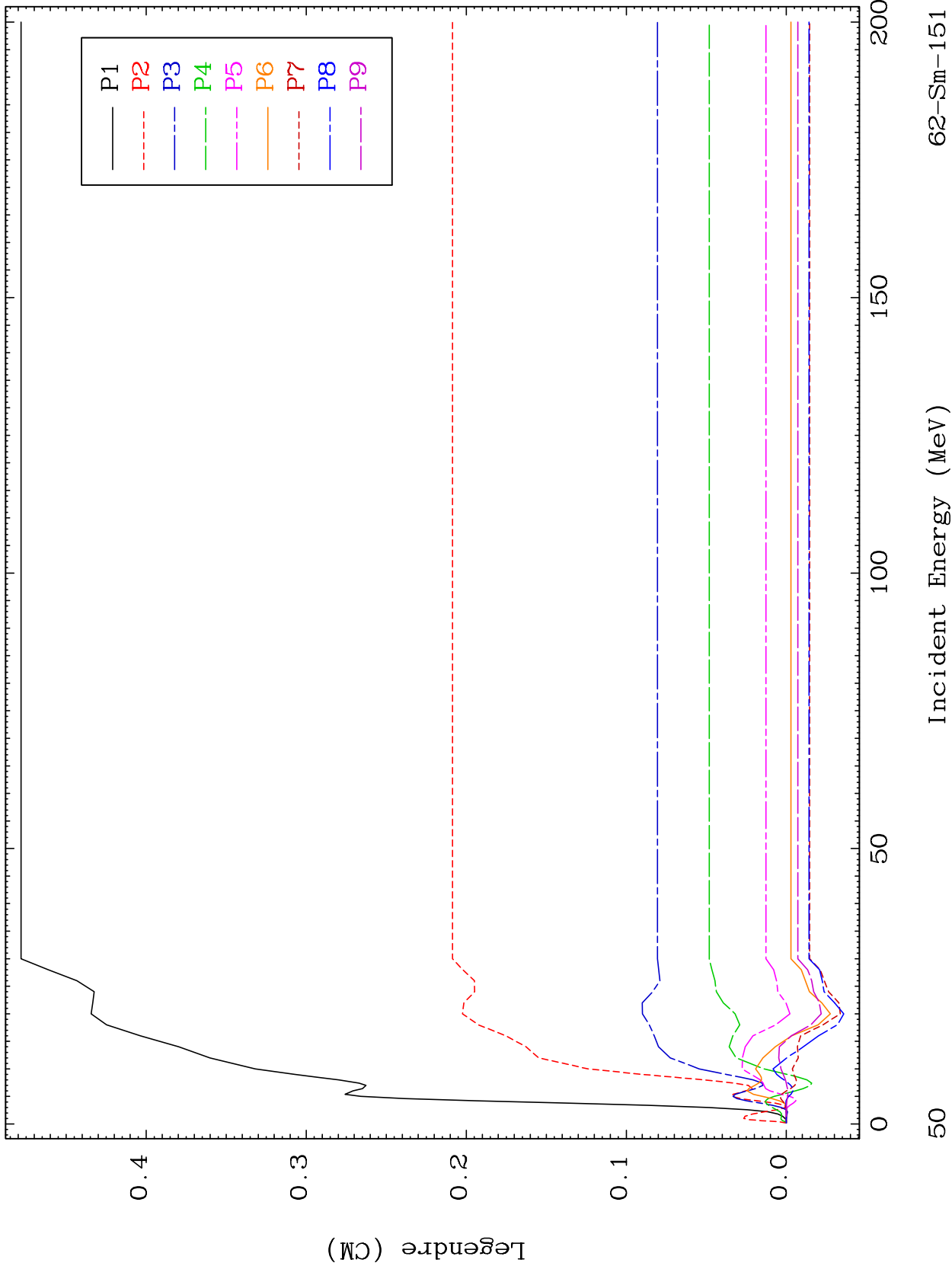
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

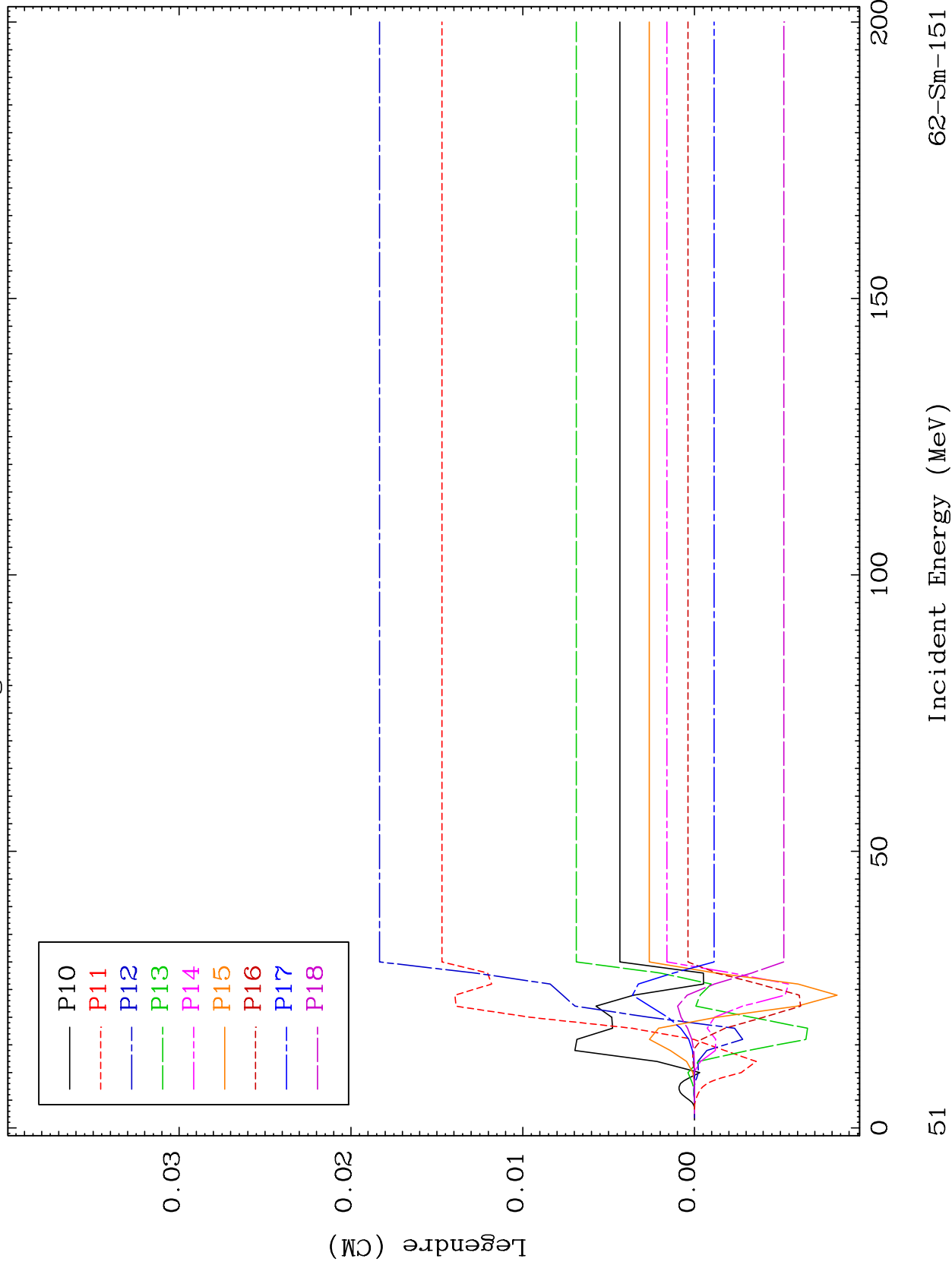
Incident Energy (MeV)

50

MAT 6246

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

62-Sm-151



62-Sm-151

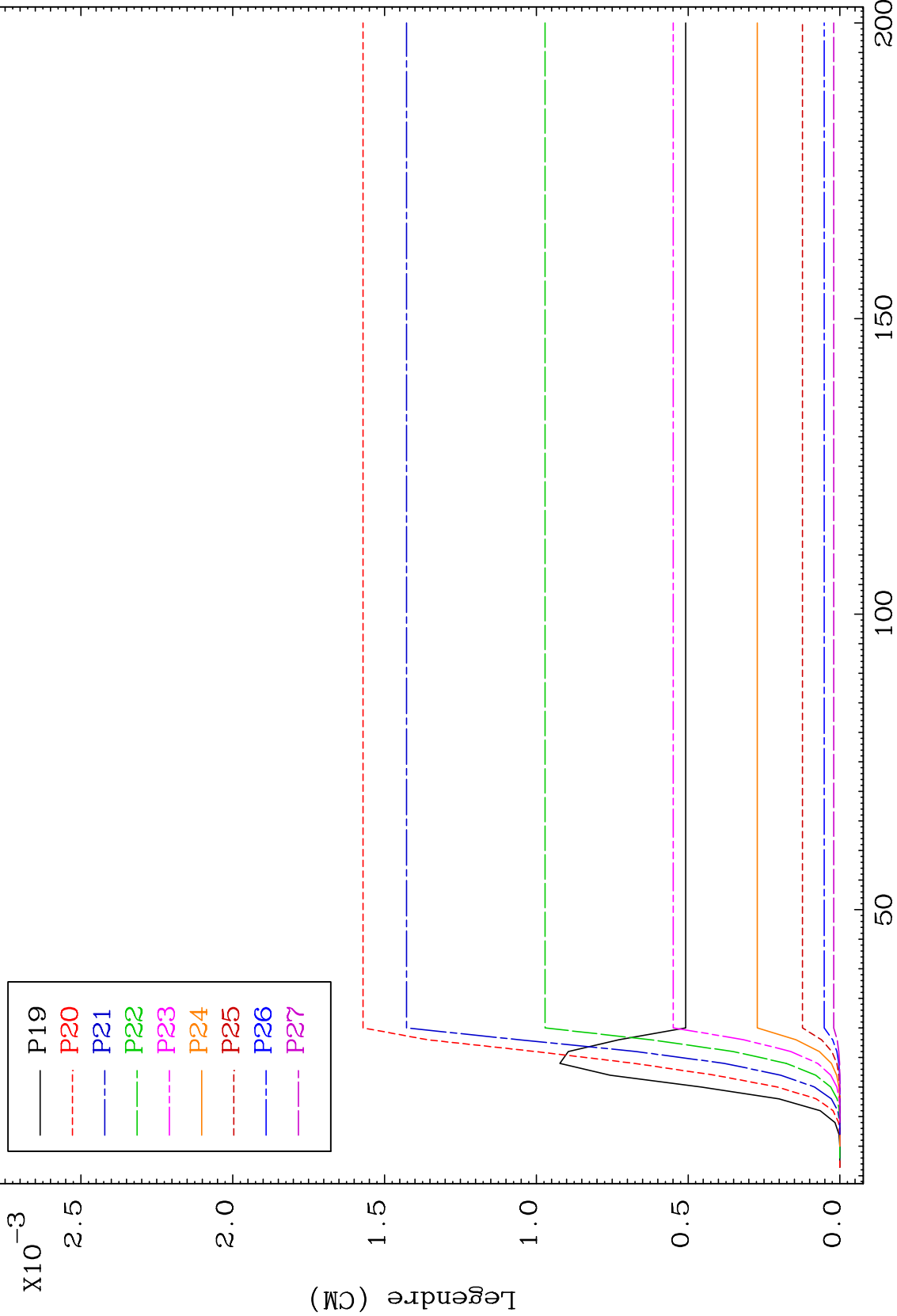
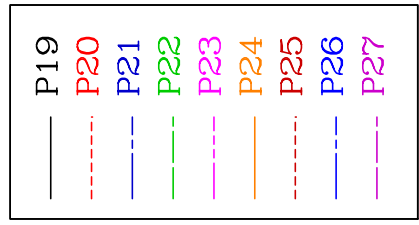
Incident Energy (MeV)

51

MAT 6246

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

62-Sm-151



52

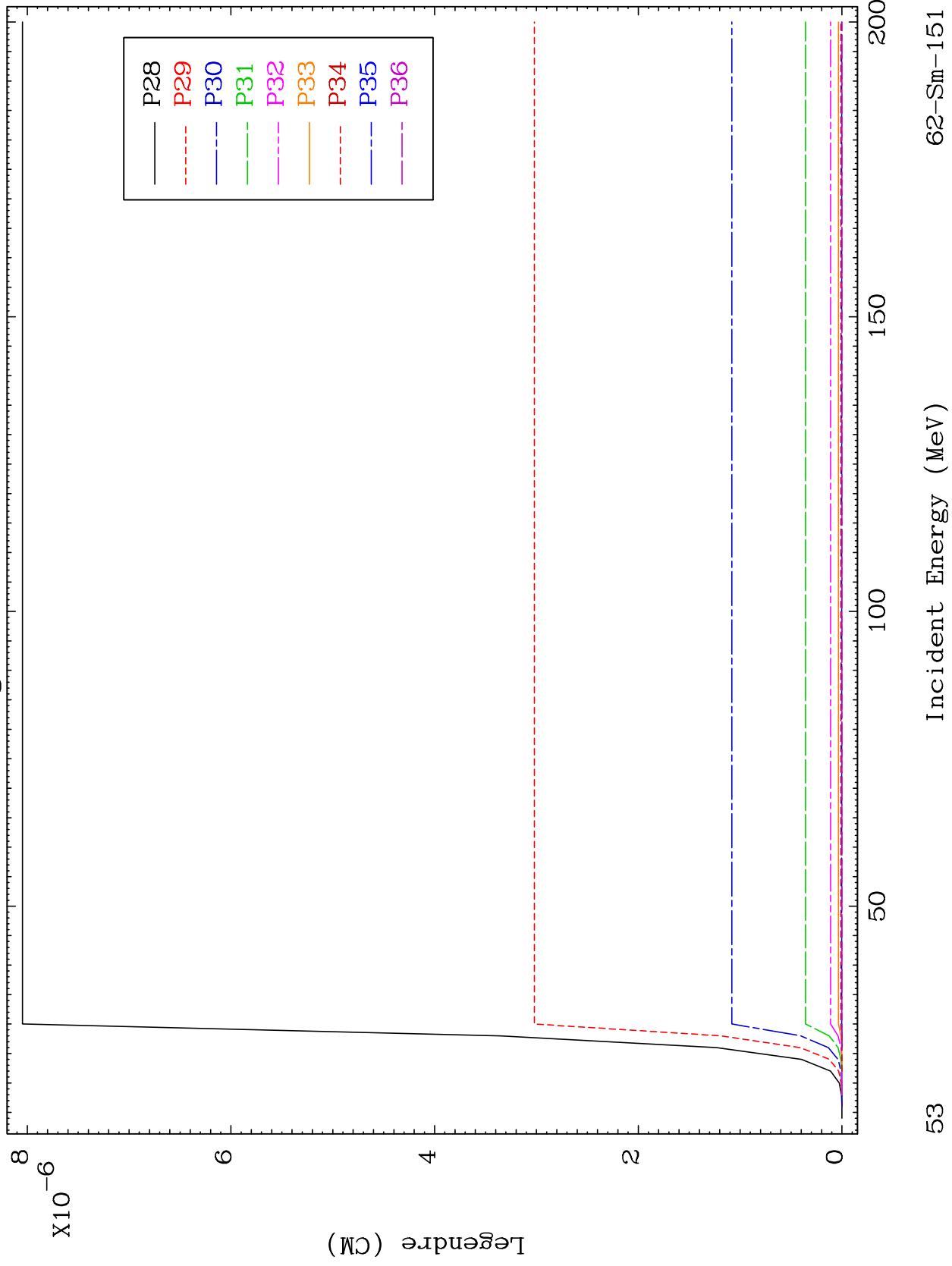
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



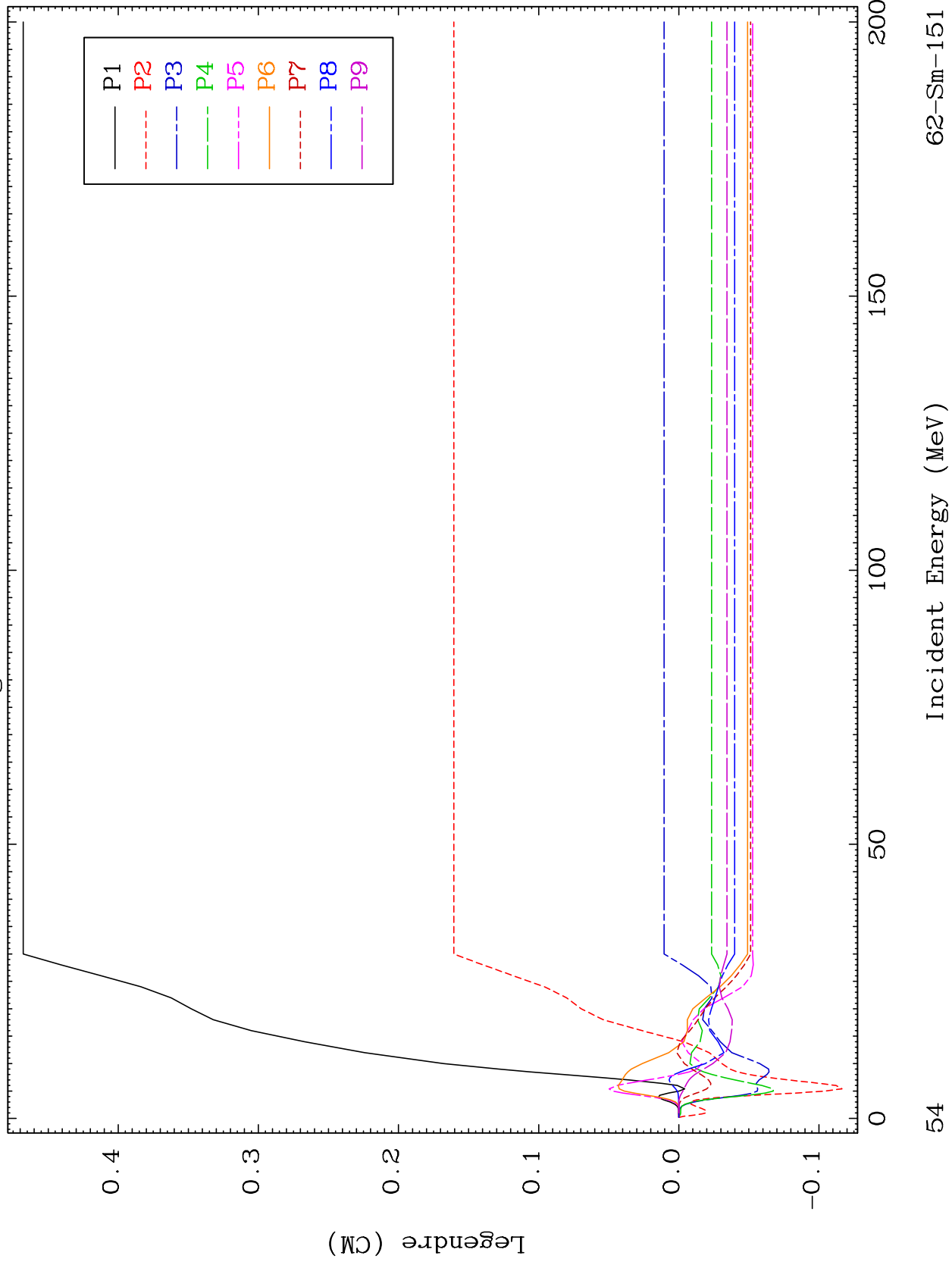
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62-Sm-151

MAT 6246

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

62-Sm-151



62-Sm-151

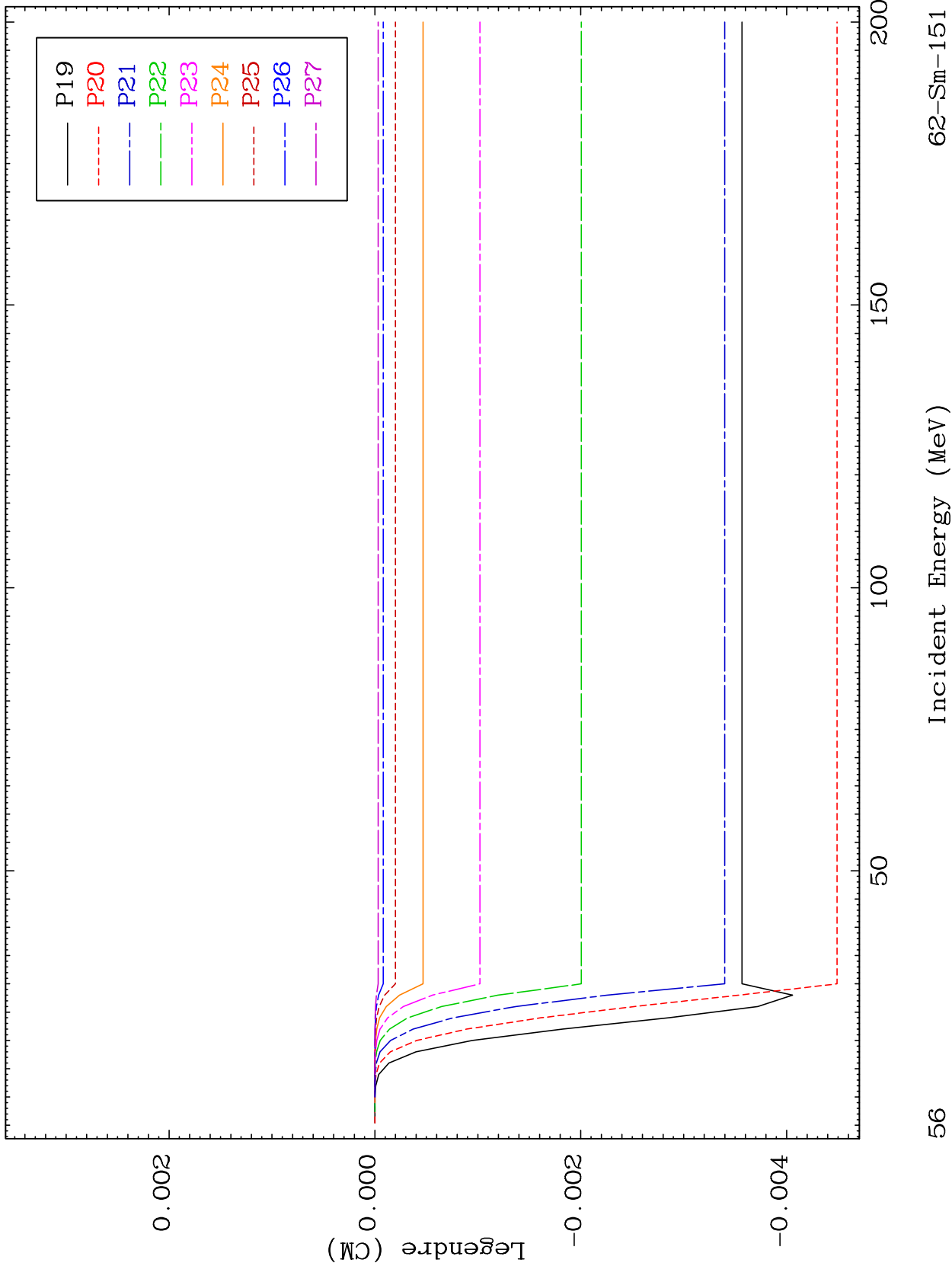
Incident Energy (MeV)

54

MAT 6246

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

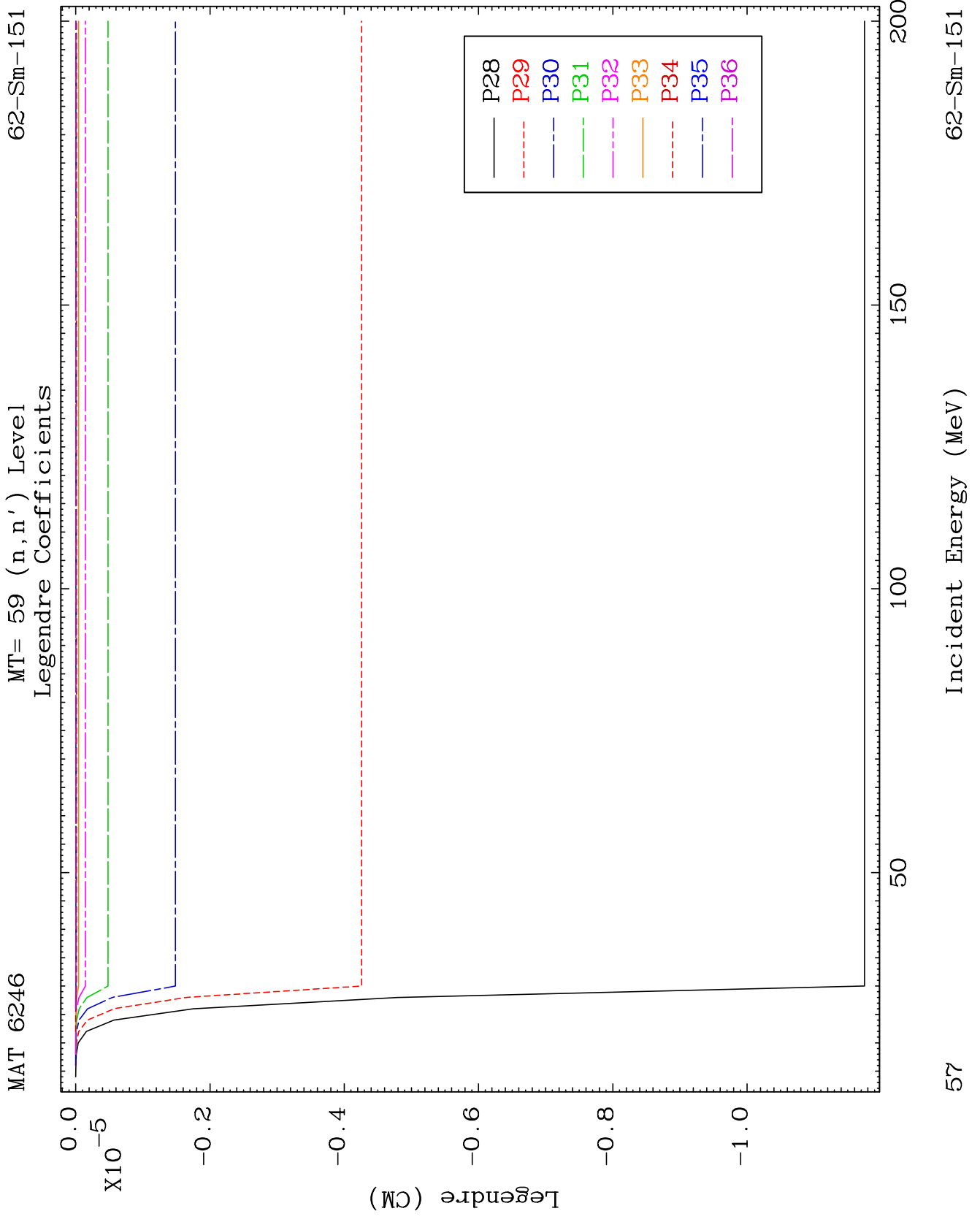
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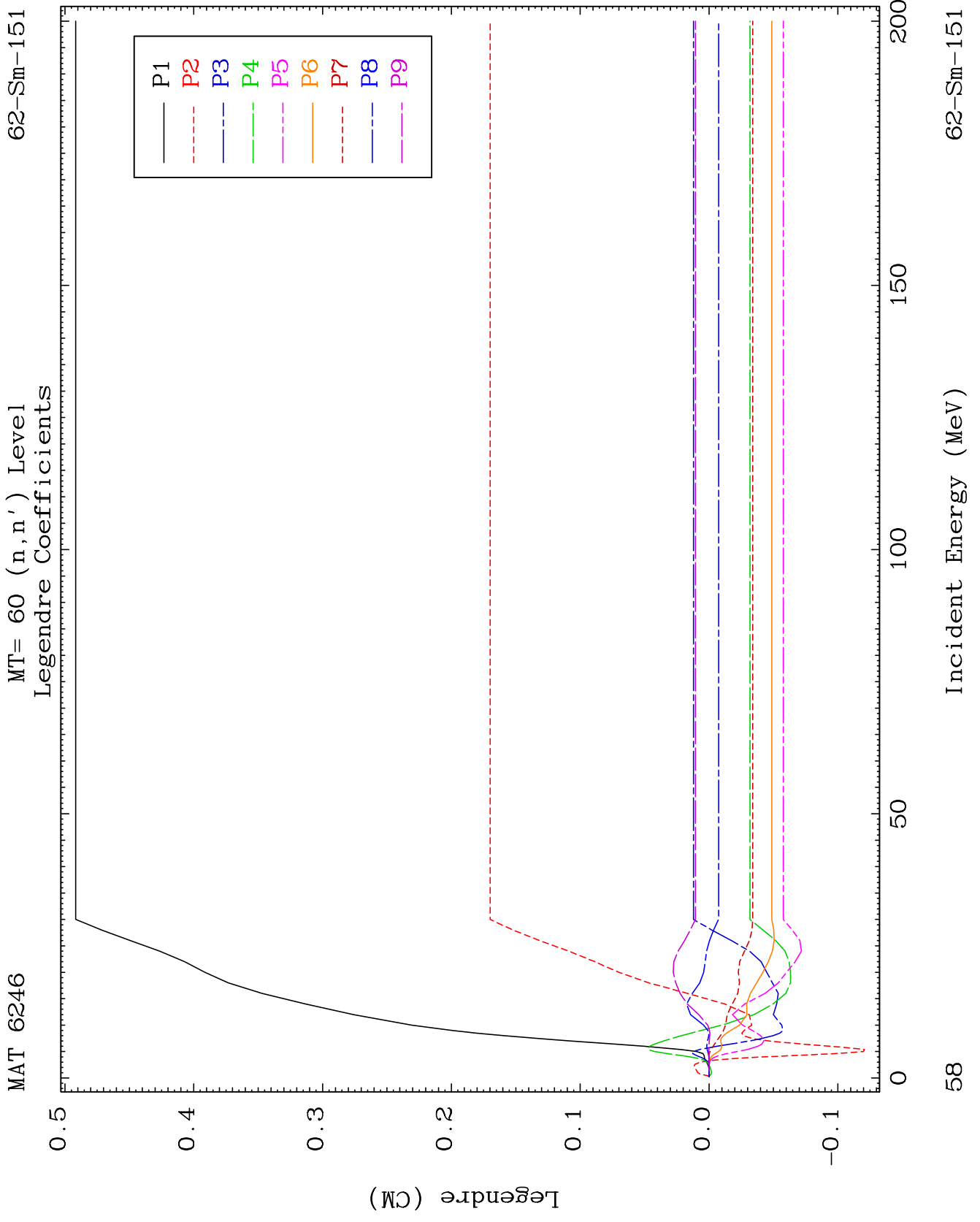


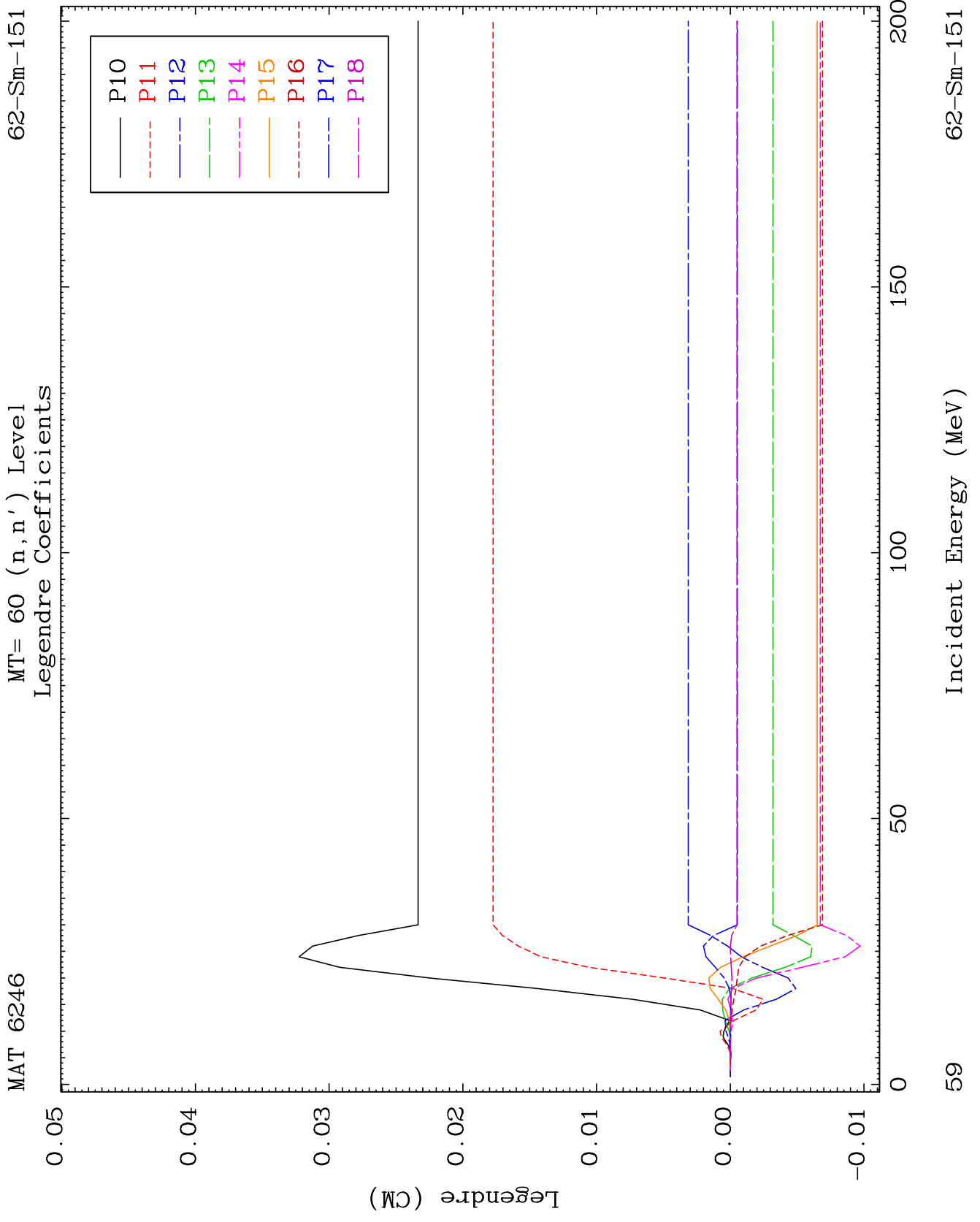
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Incident Energy (MeV)

62-Sm-151



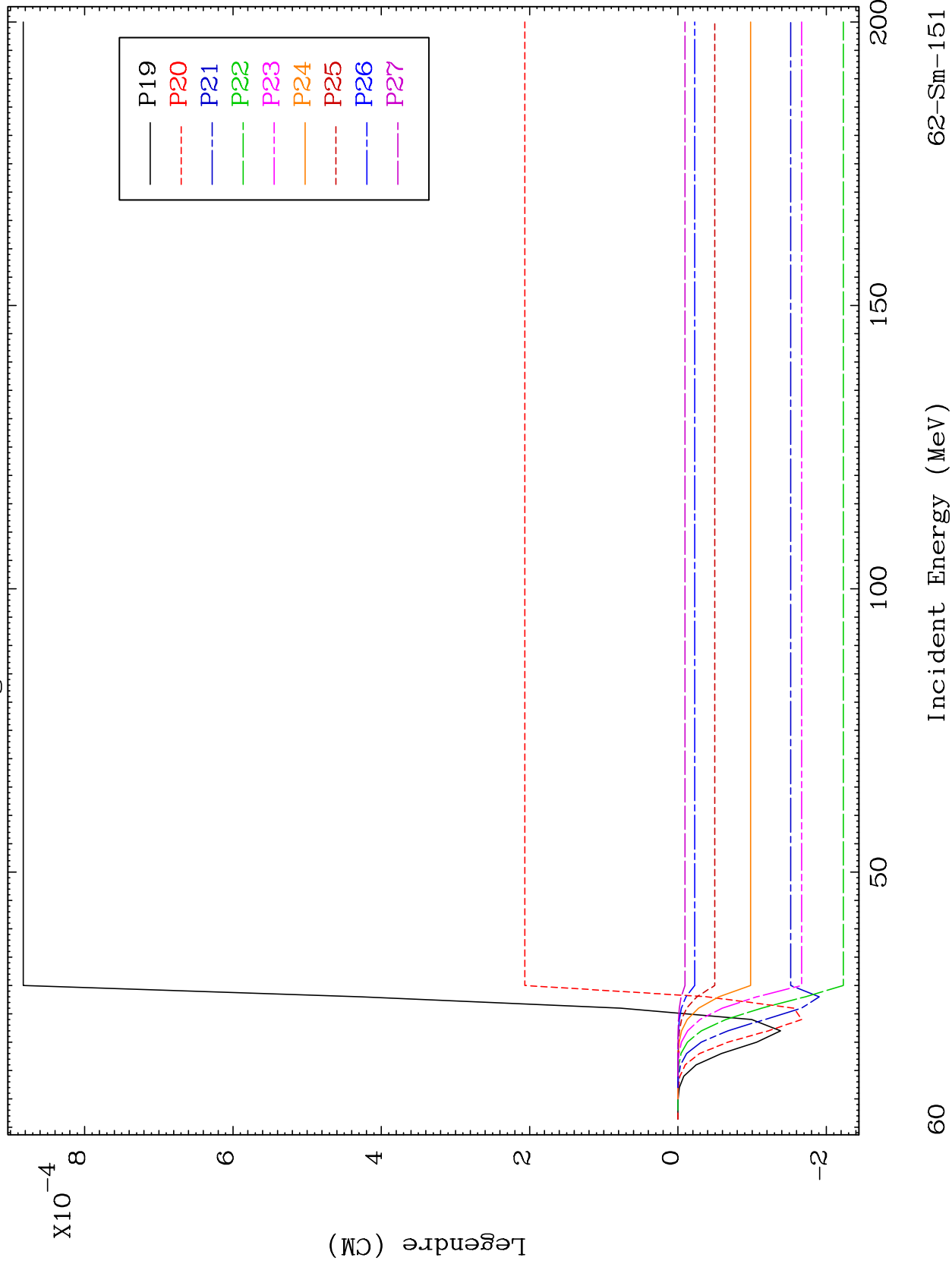




MAT 6246

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

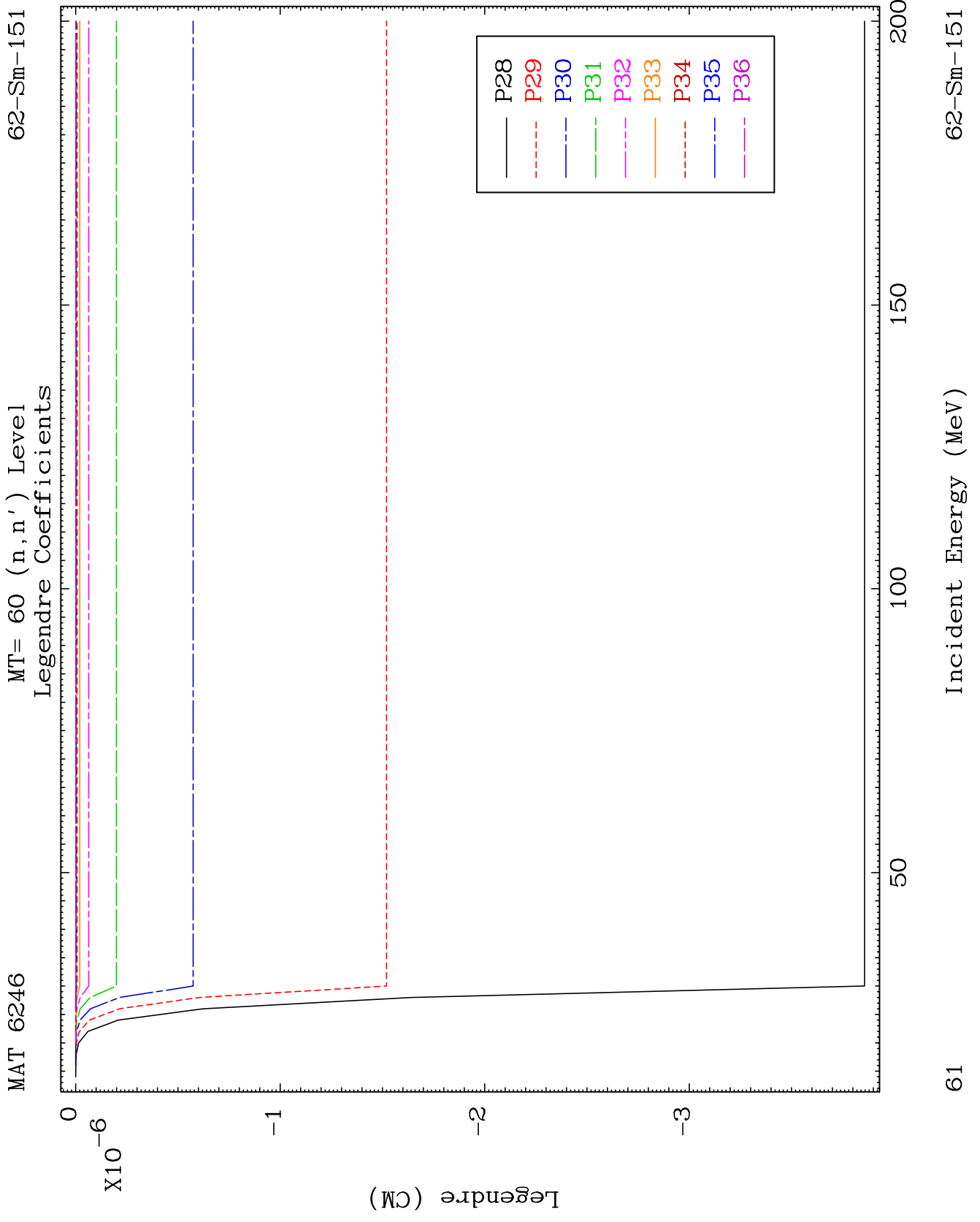
62-Sm-151



60

Incident Energy (MeV)

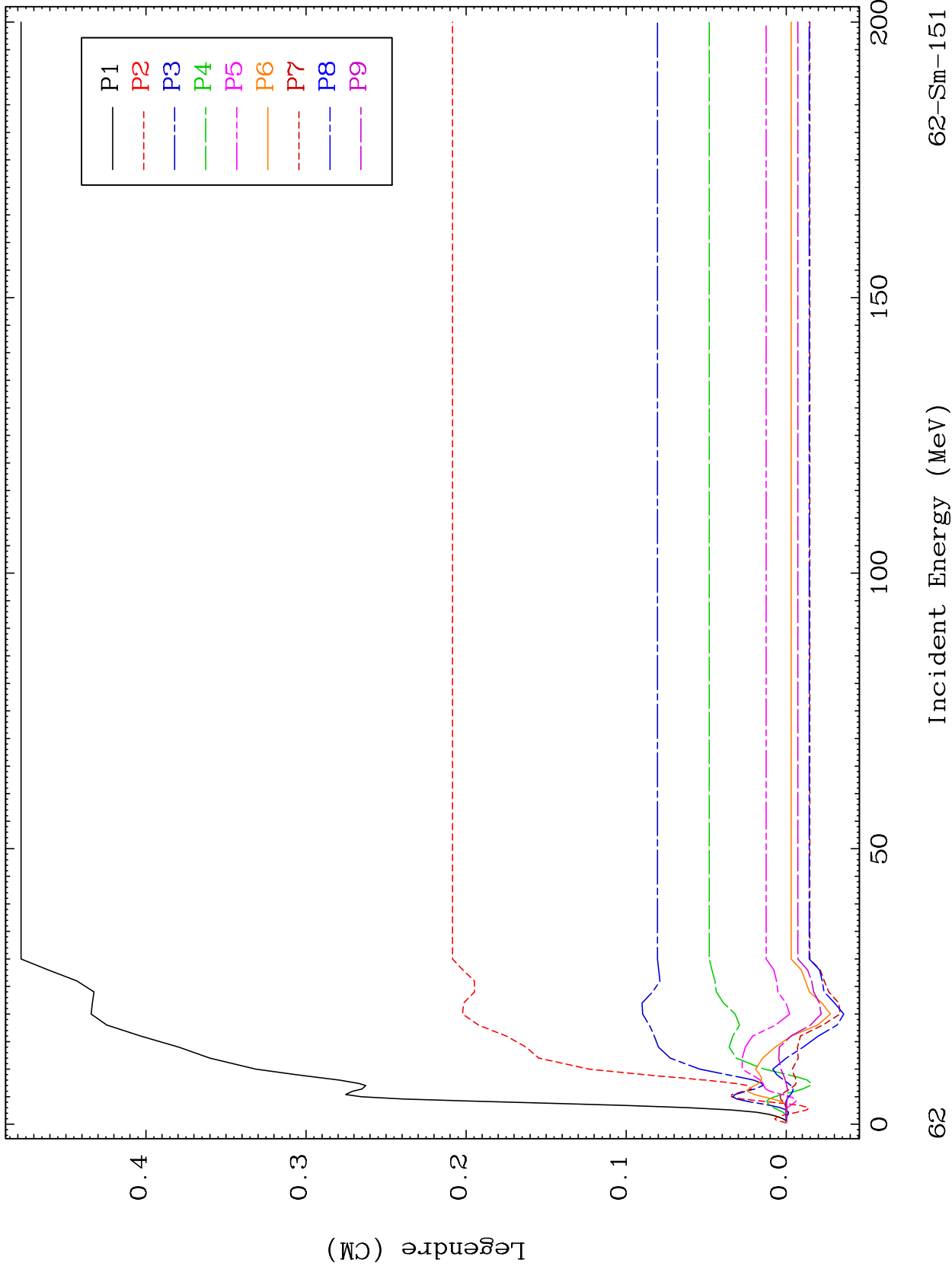
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

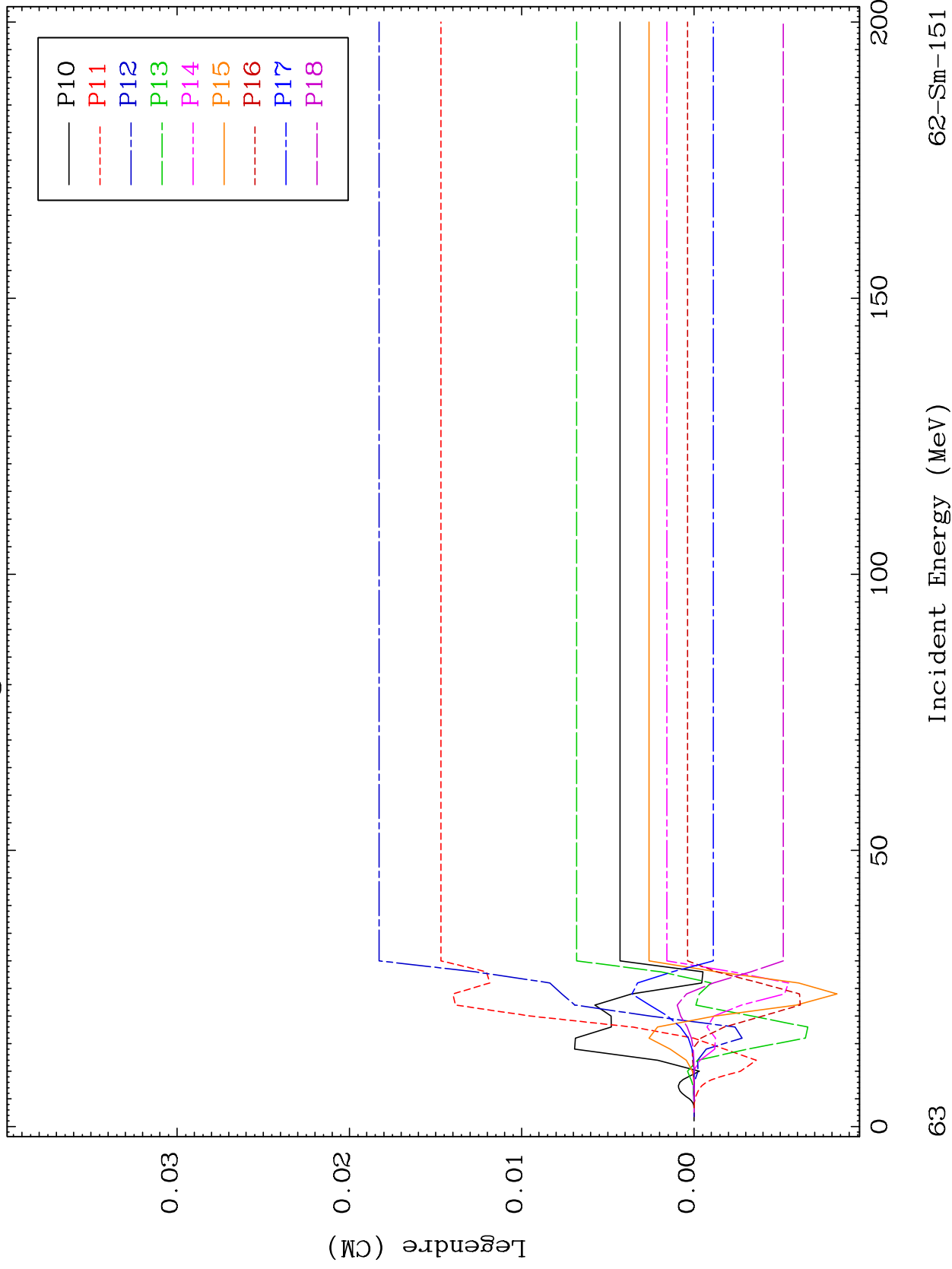
Incident Energy (MeV)

62

MAT 6246

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

62-Sm-151



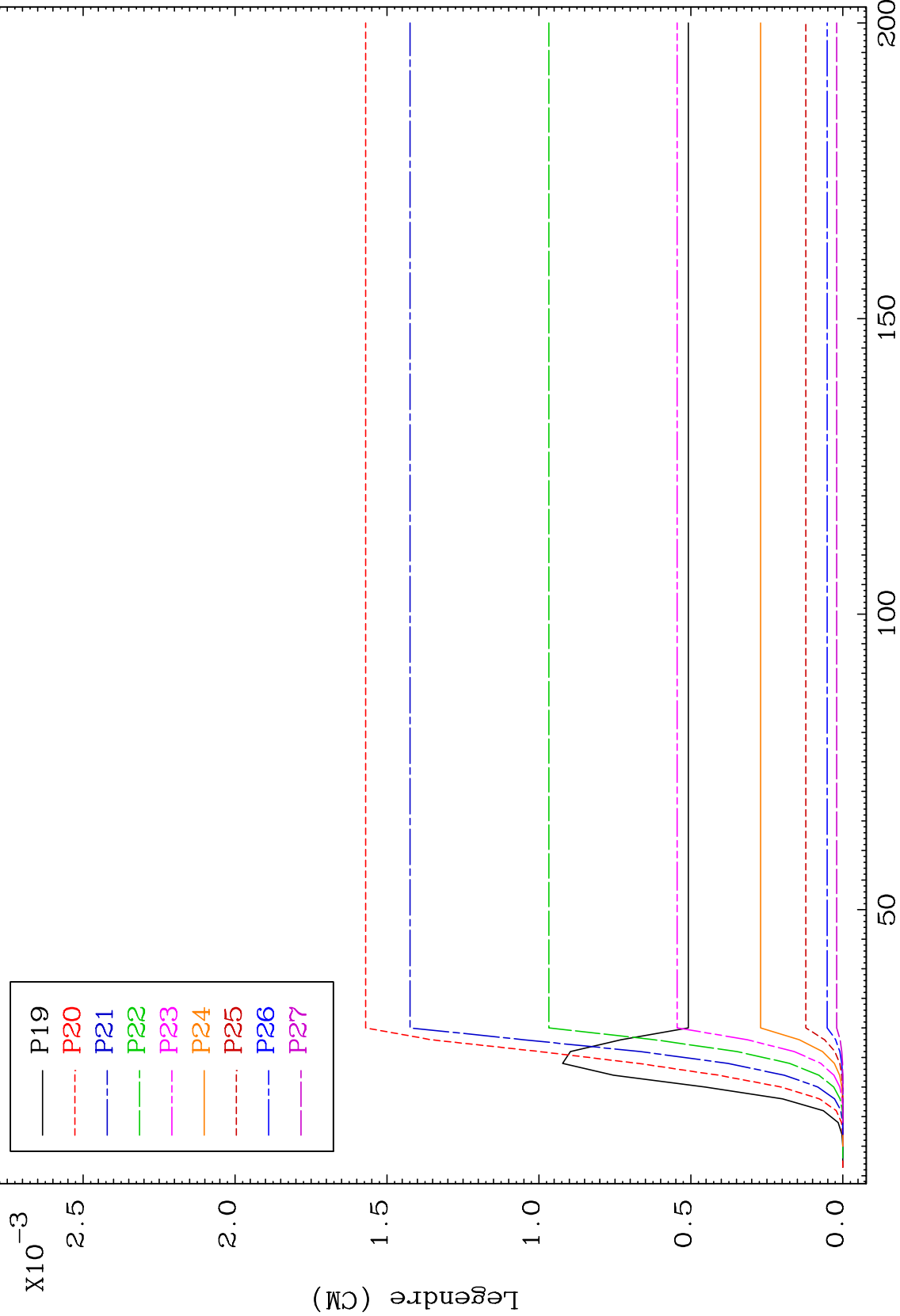
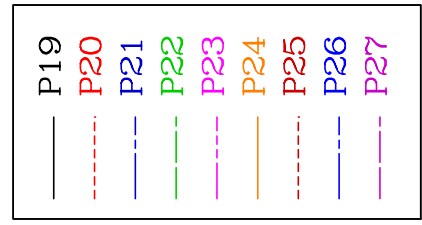
63

62-Sm-151

MAT 6246

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

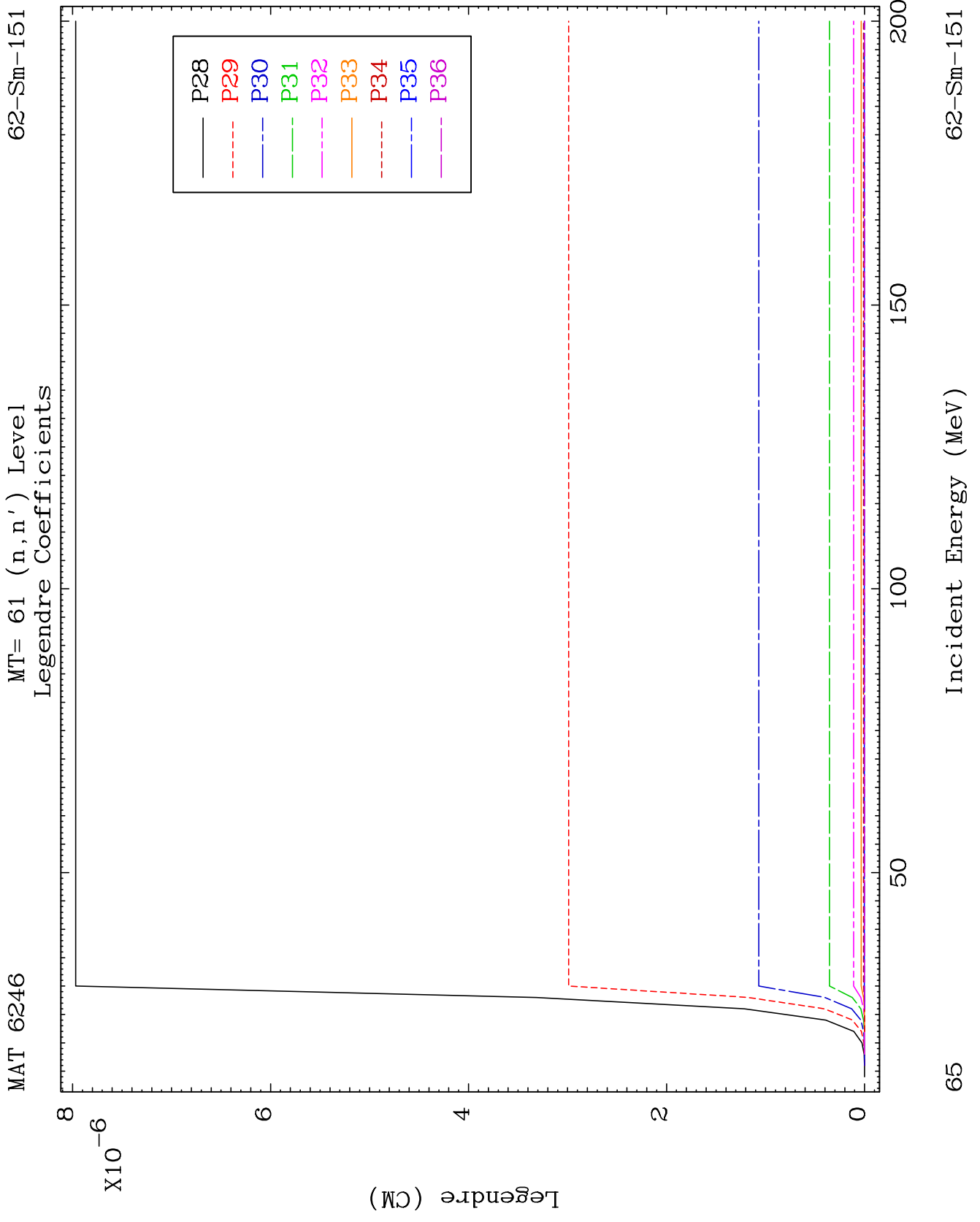
62-Sm-151



64

Incident Energy (MeV)

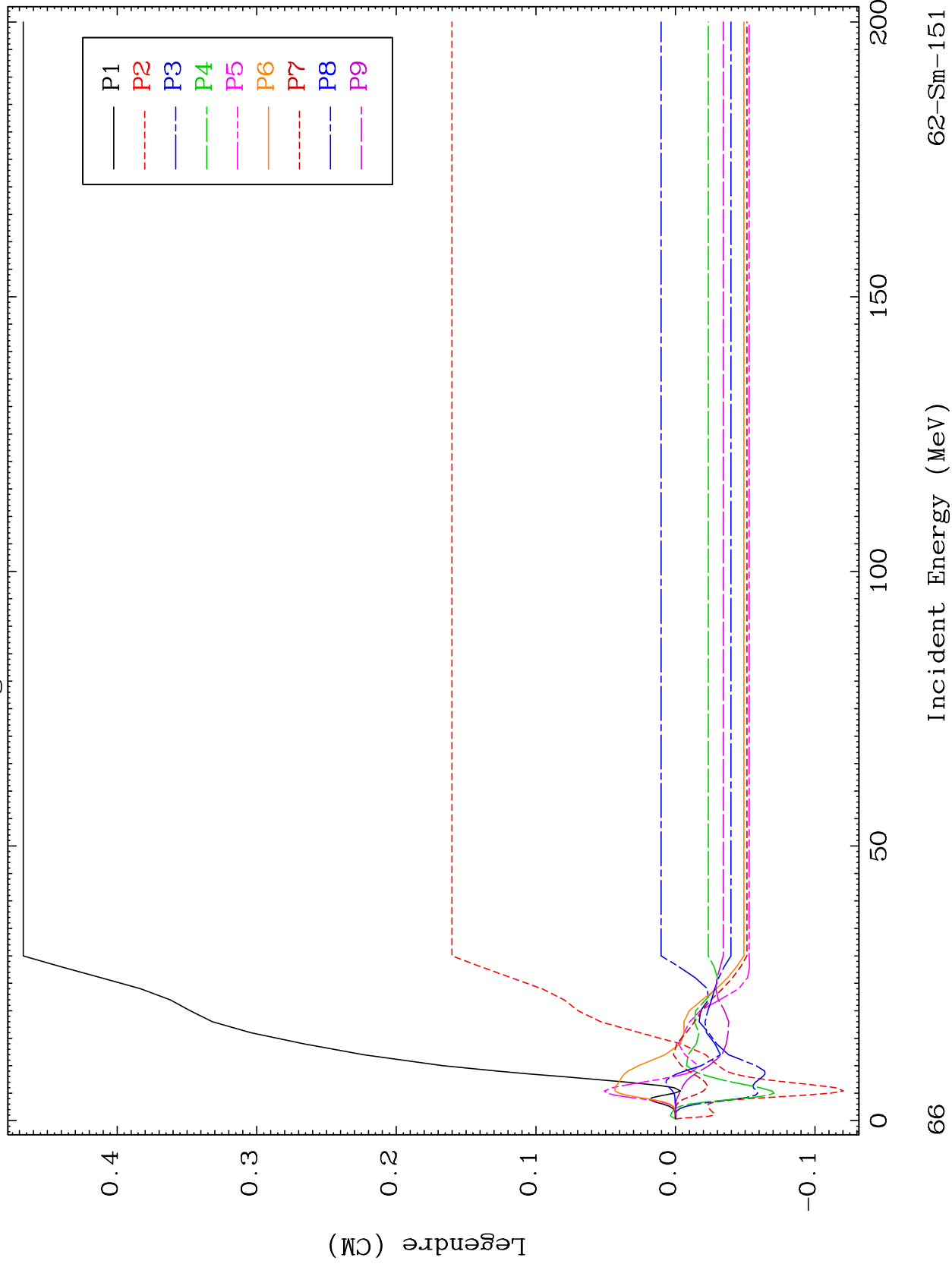
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

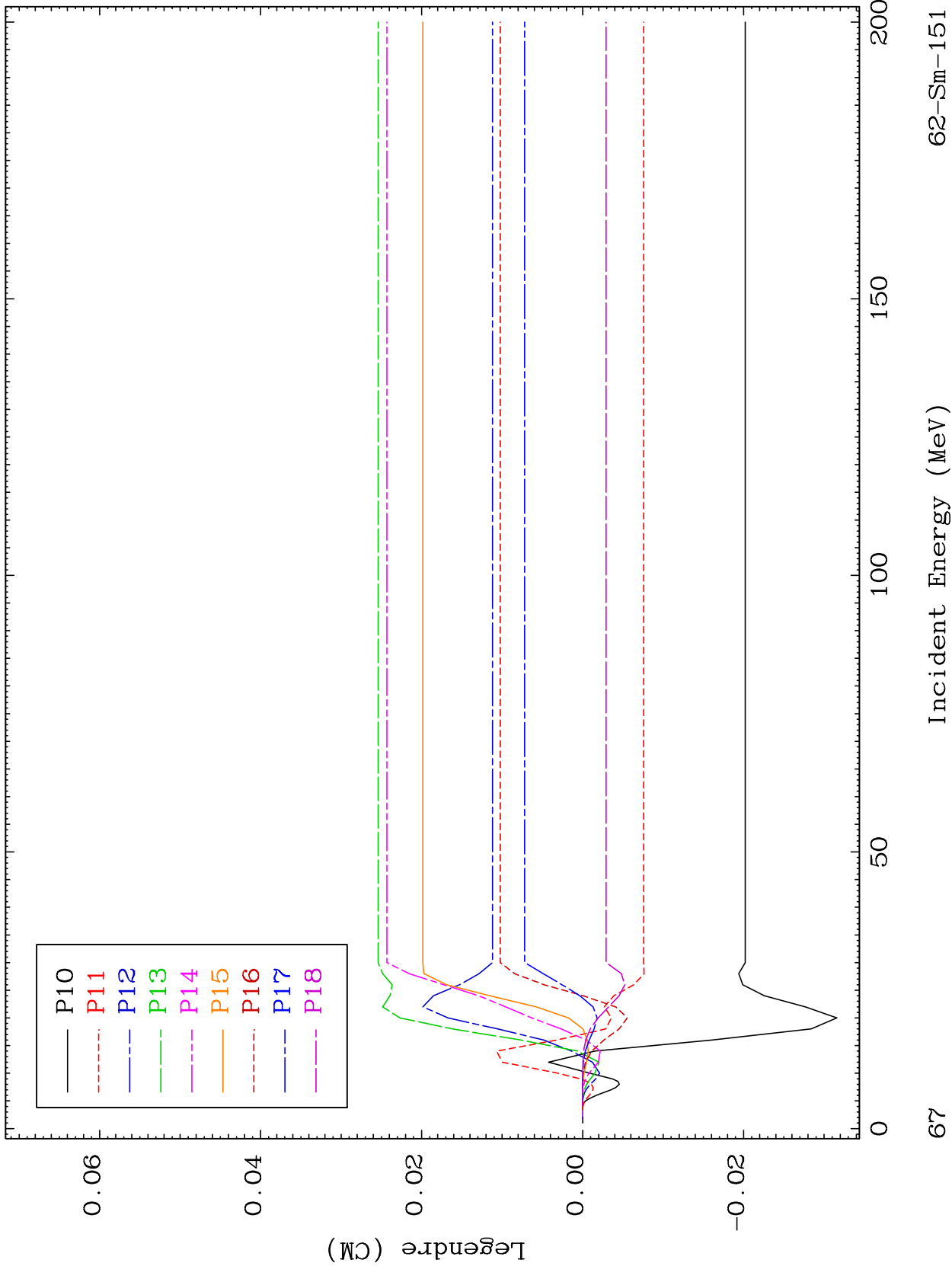
Incident Energy (MeV)

66

MAT 6246

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

62-Sm-151



67

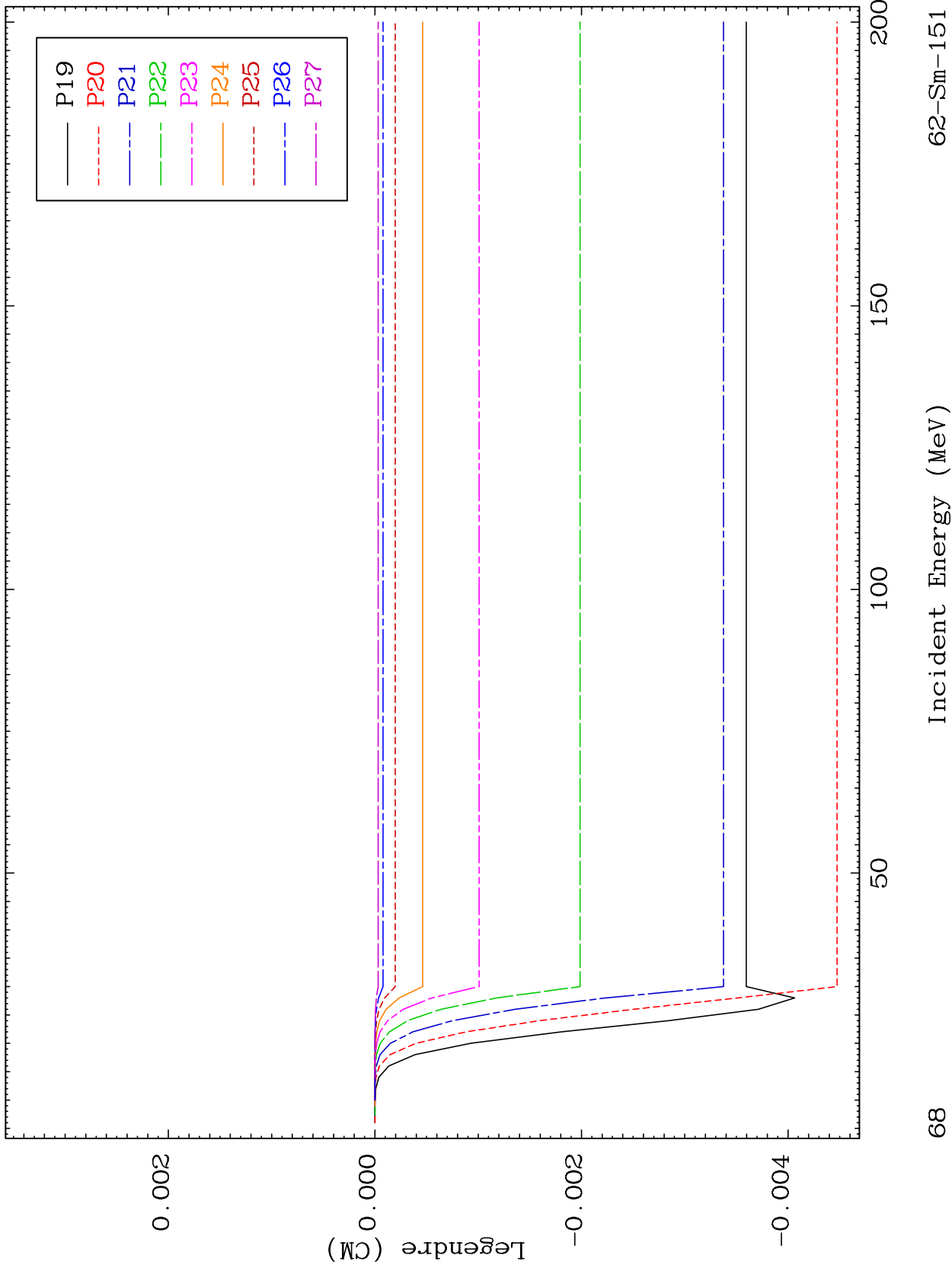
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

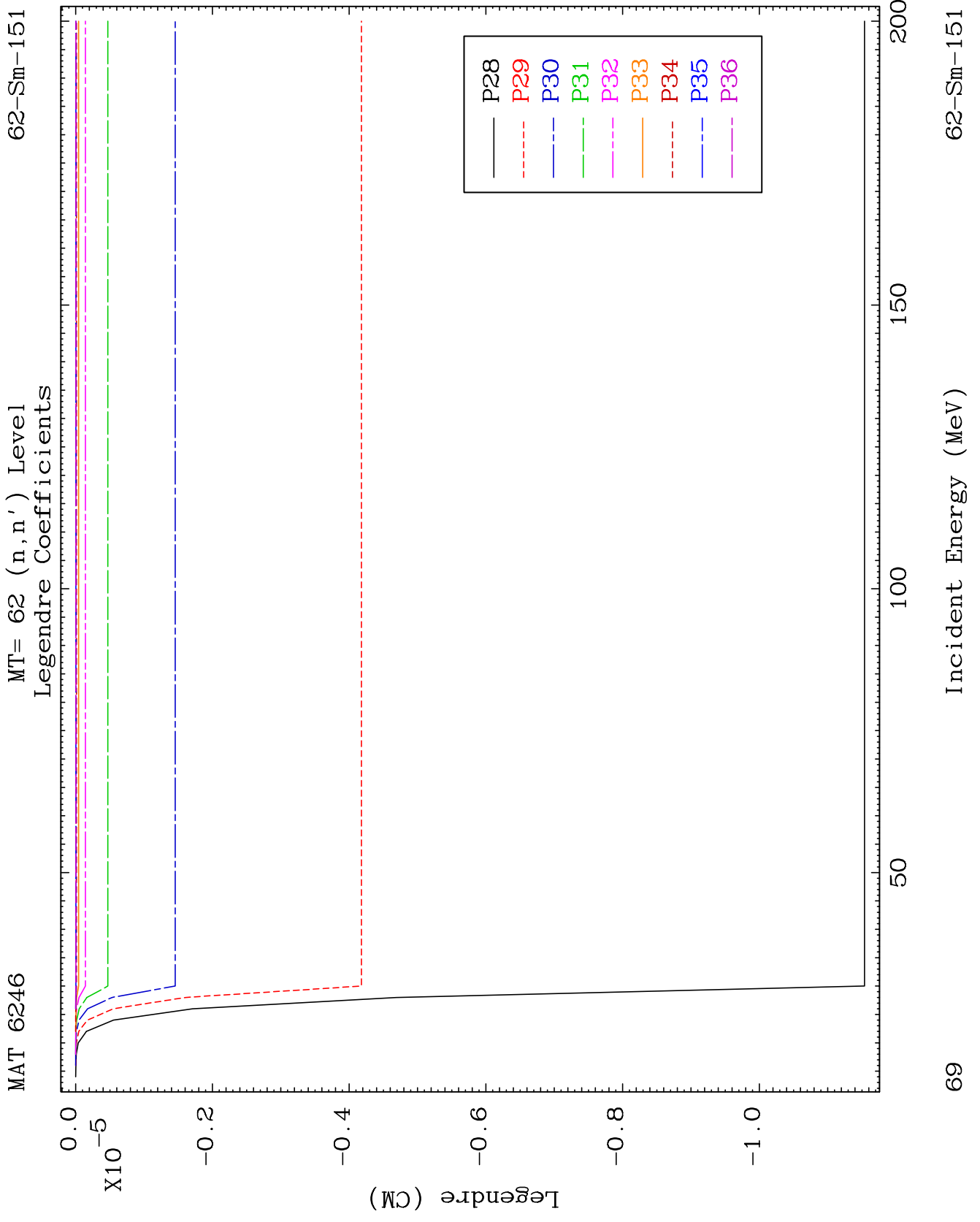
62-Sm-151

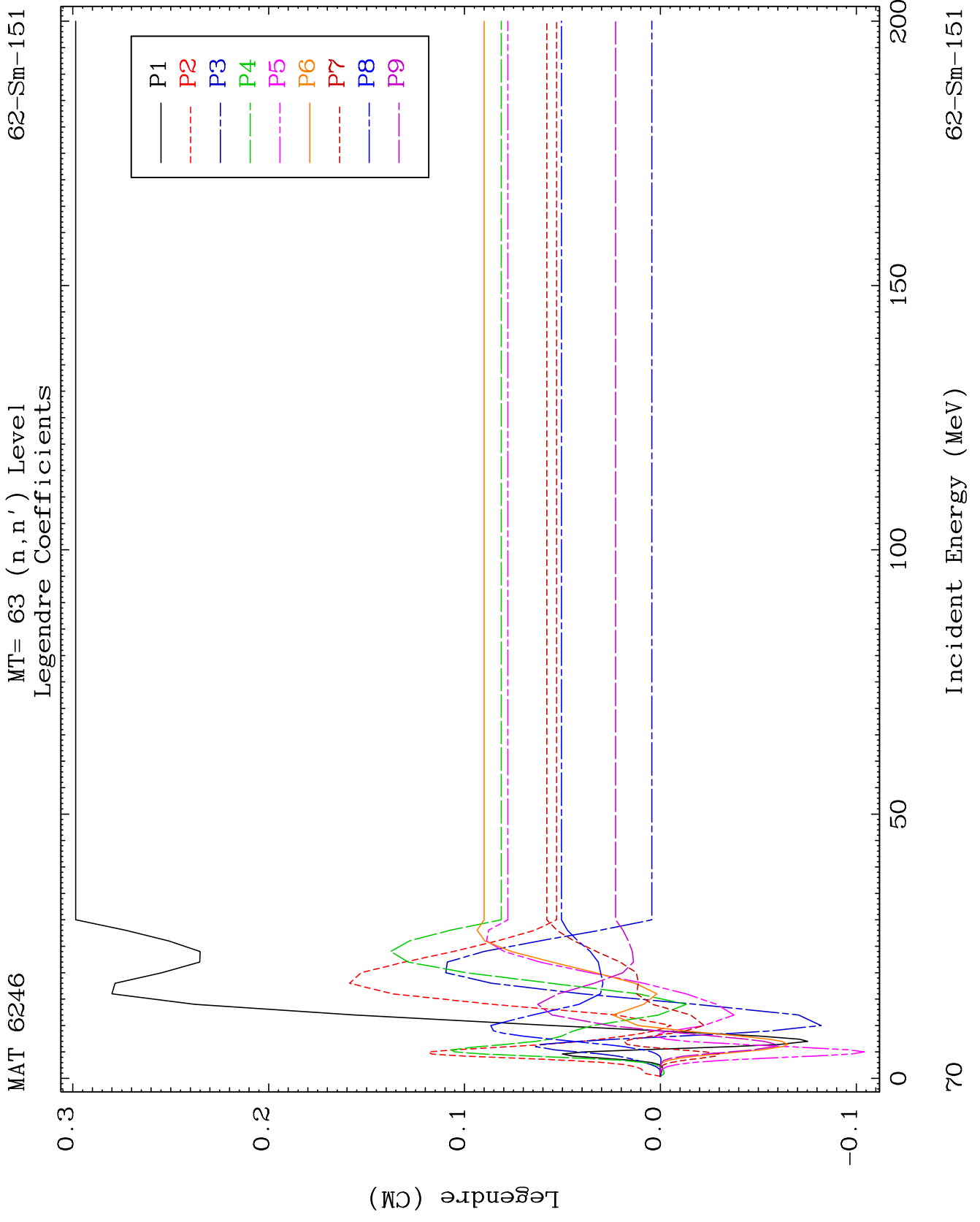


68

Incident Energy (MeV)

62-Sm-151

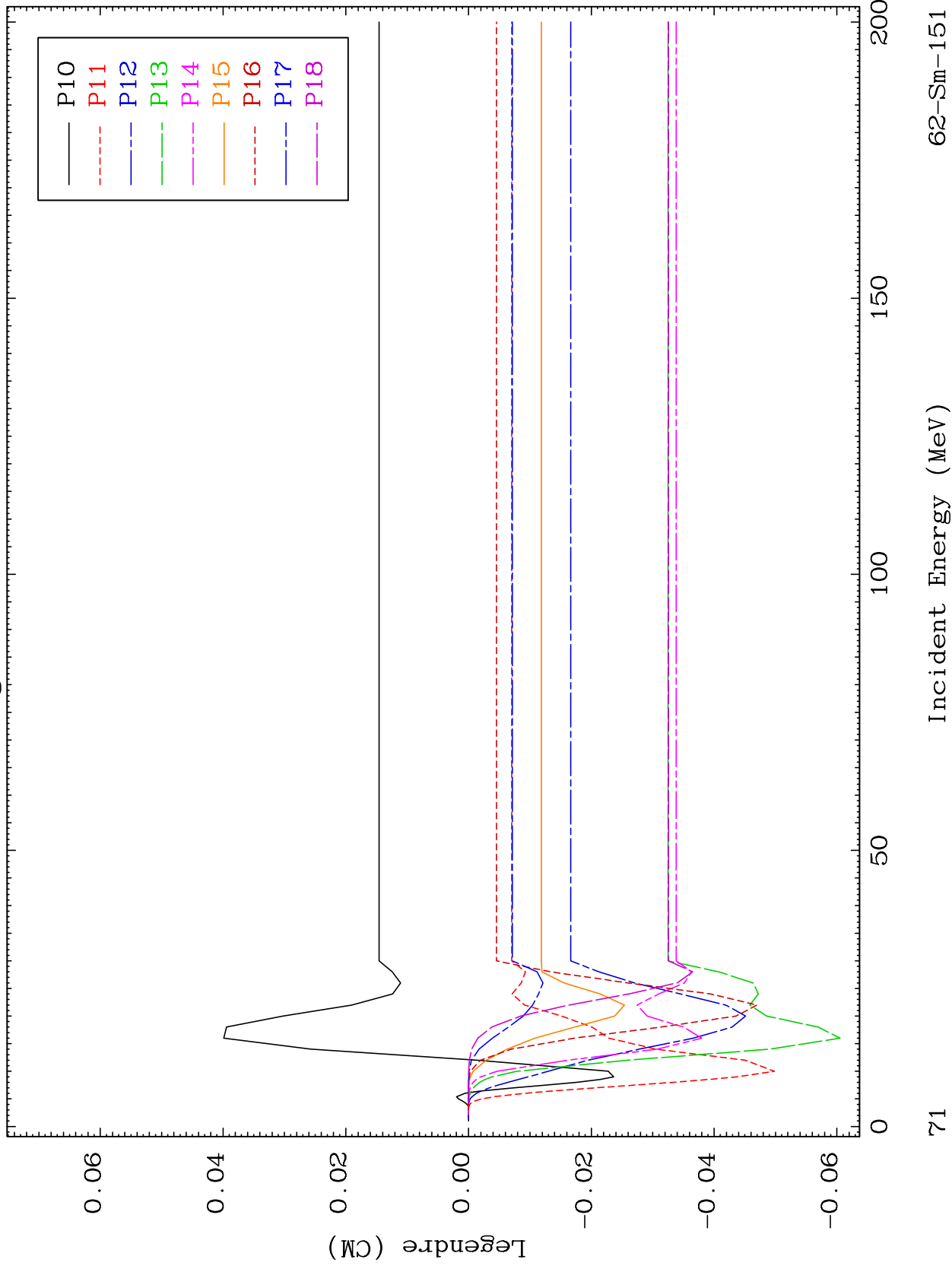




MAT 6246

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

62-Sm-151



71

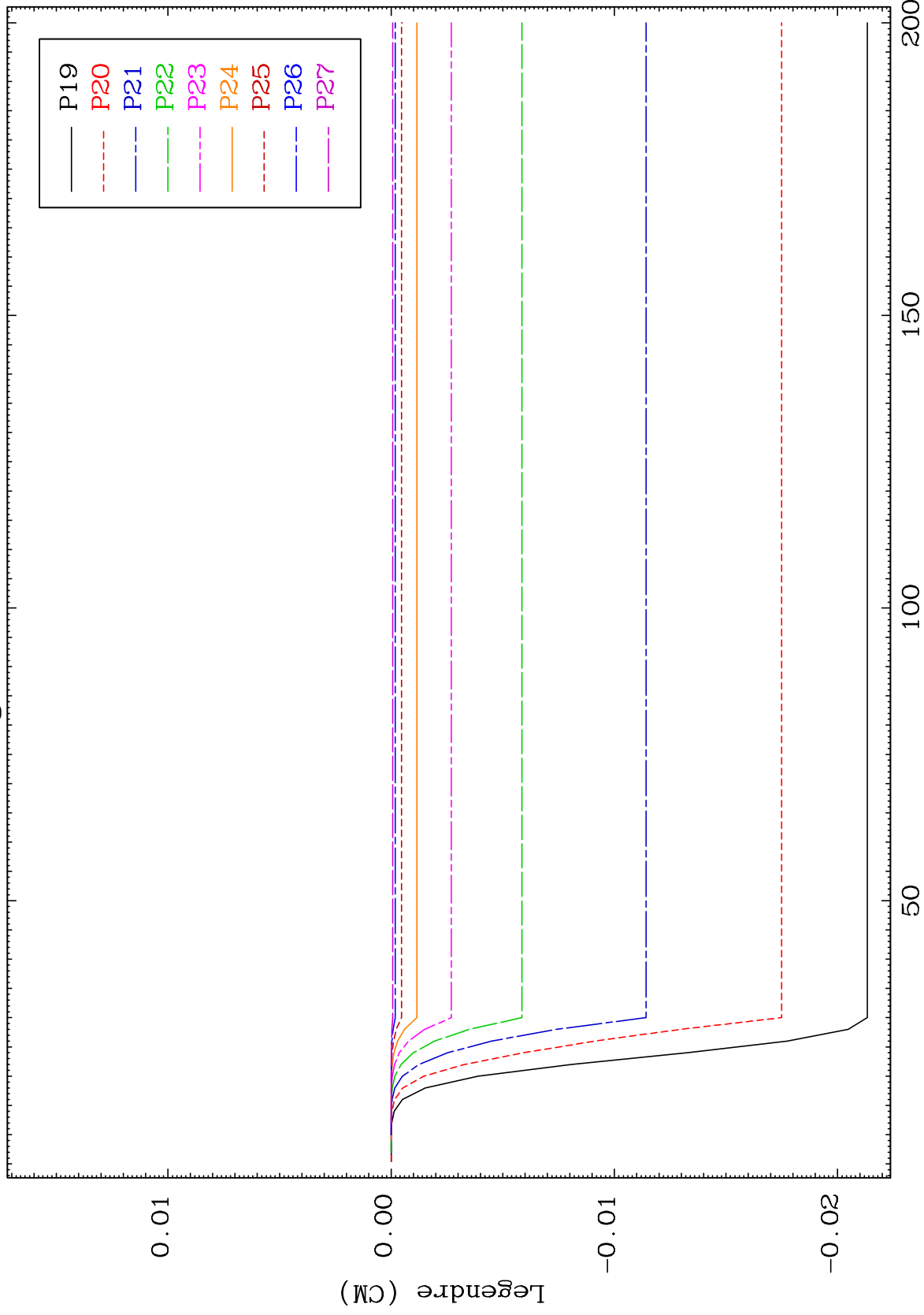
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

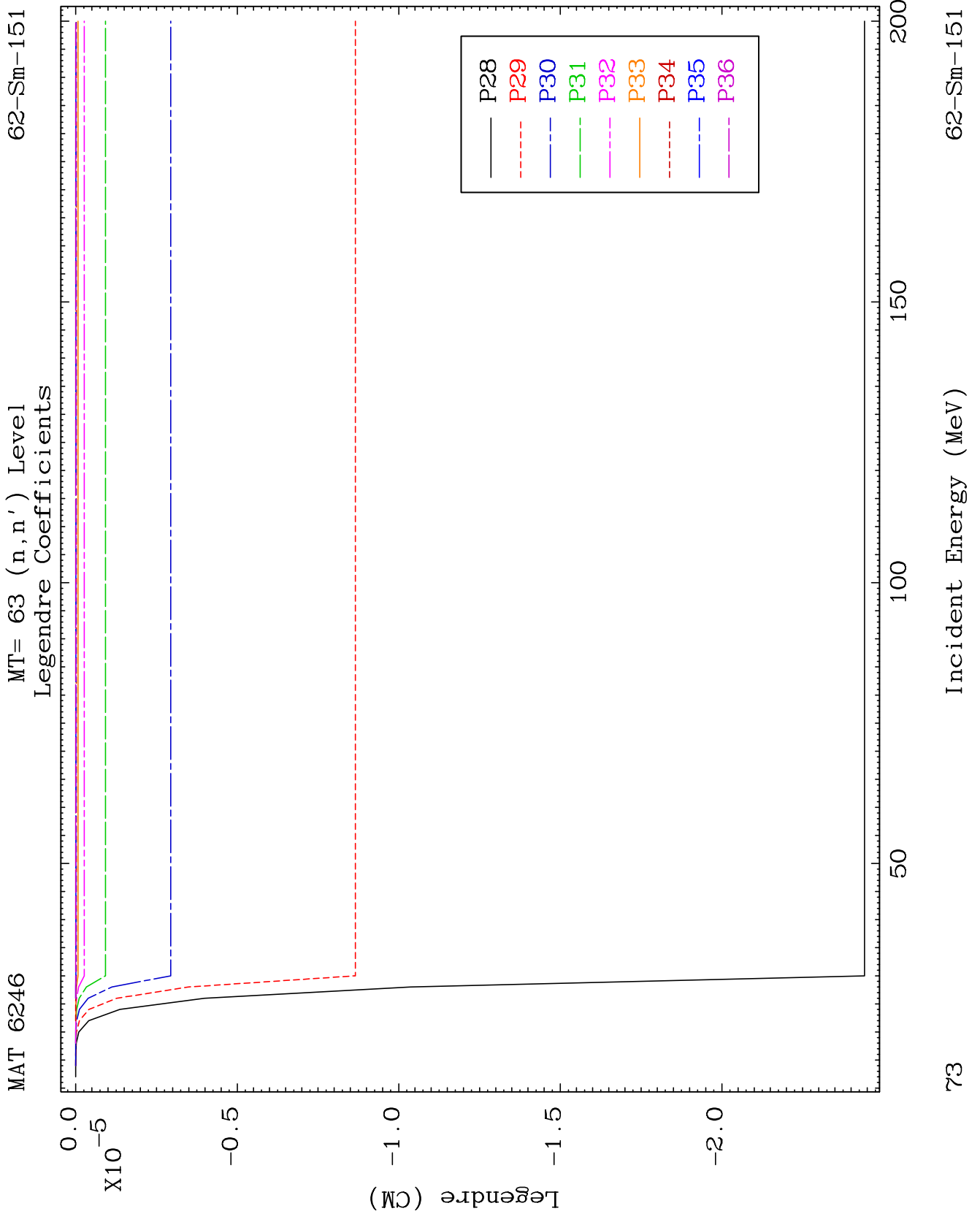
62-Sm-151

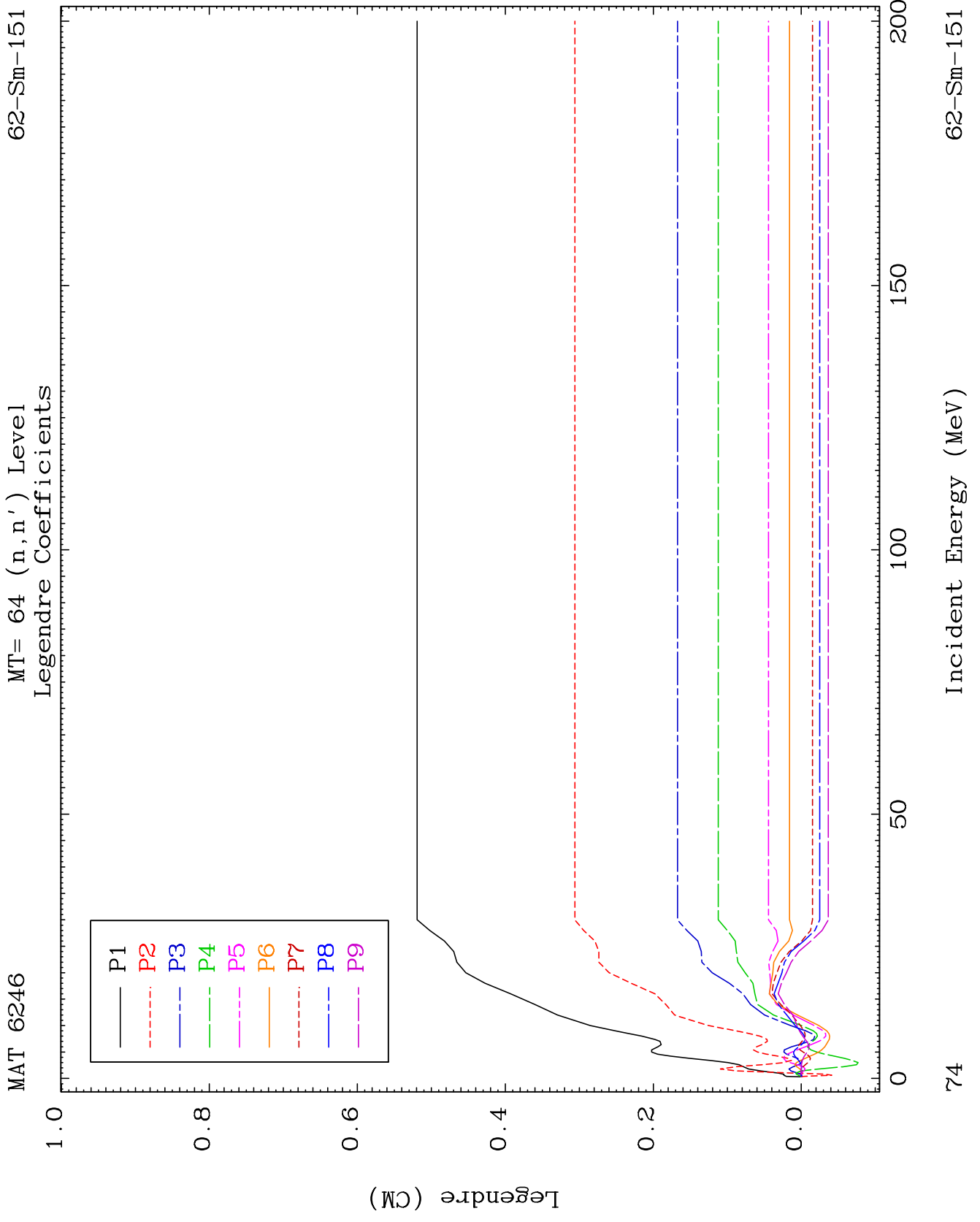


72

Incident Energy (MeV)

62-Sm-151

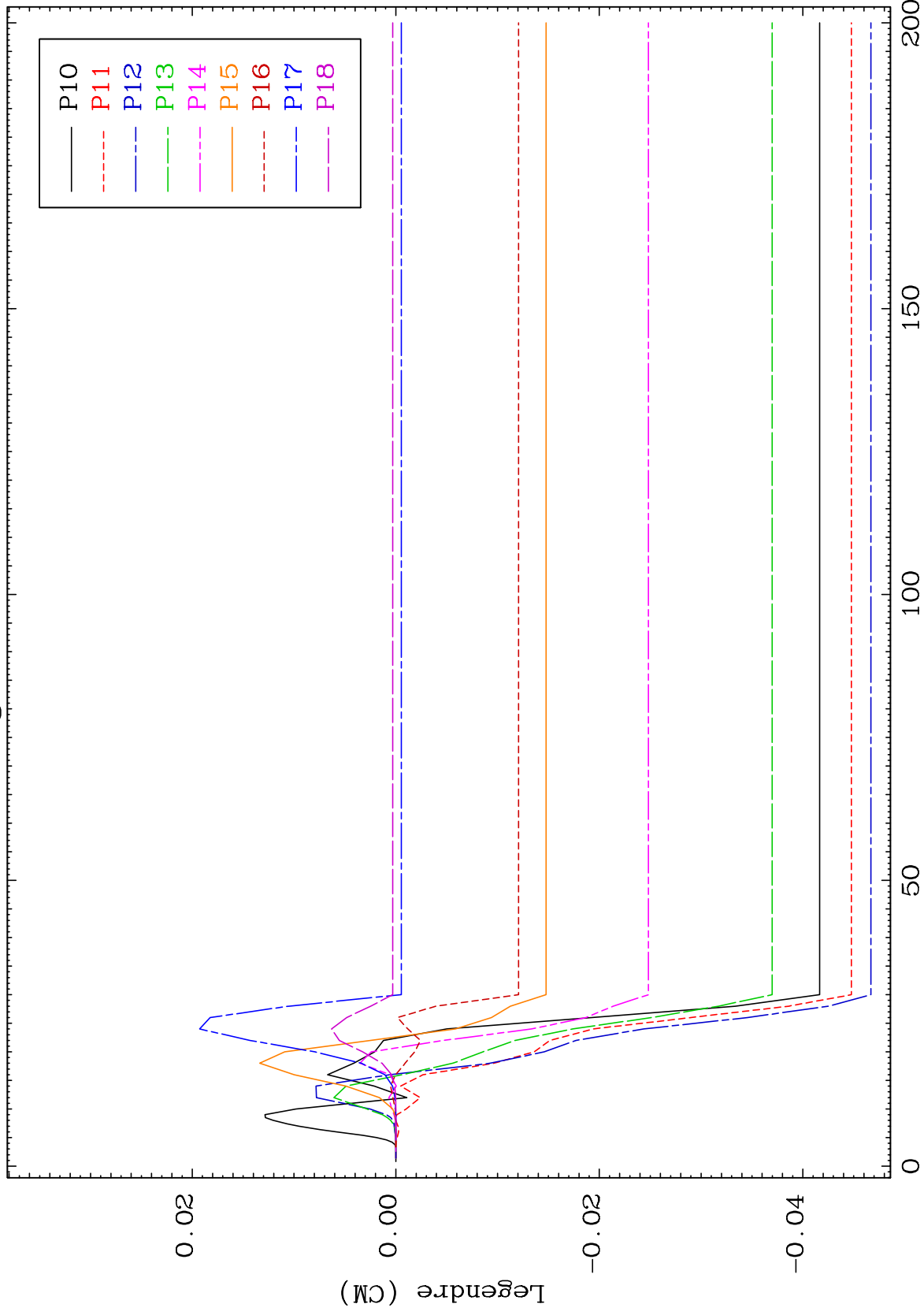




MAT 6246

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

62-Sm-151



75

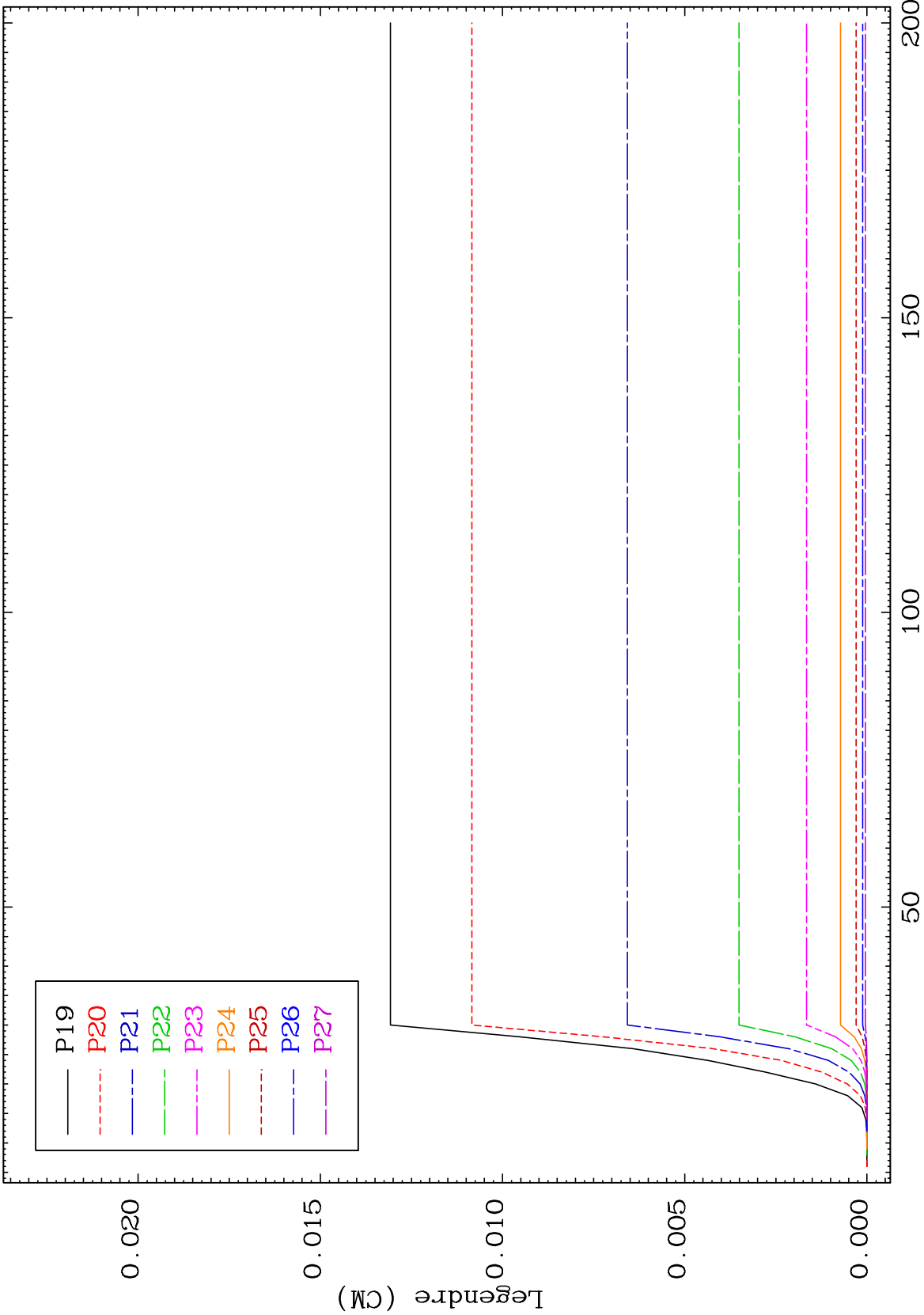
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



76

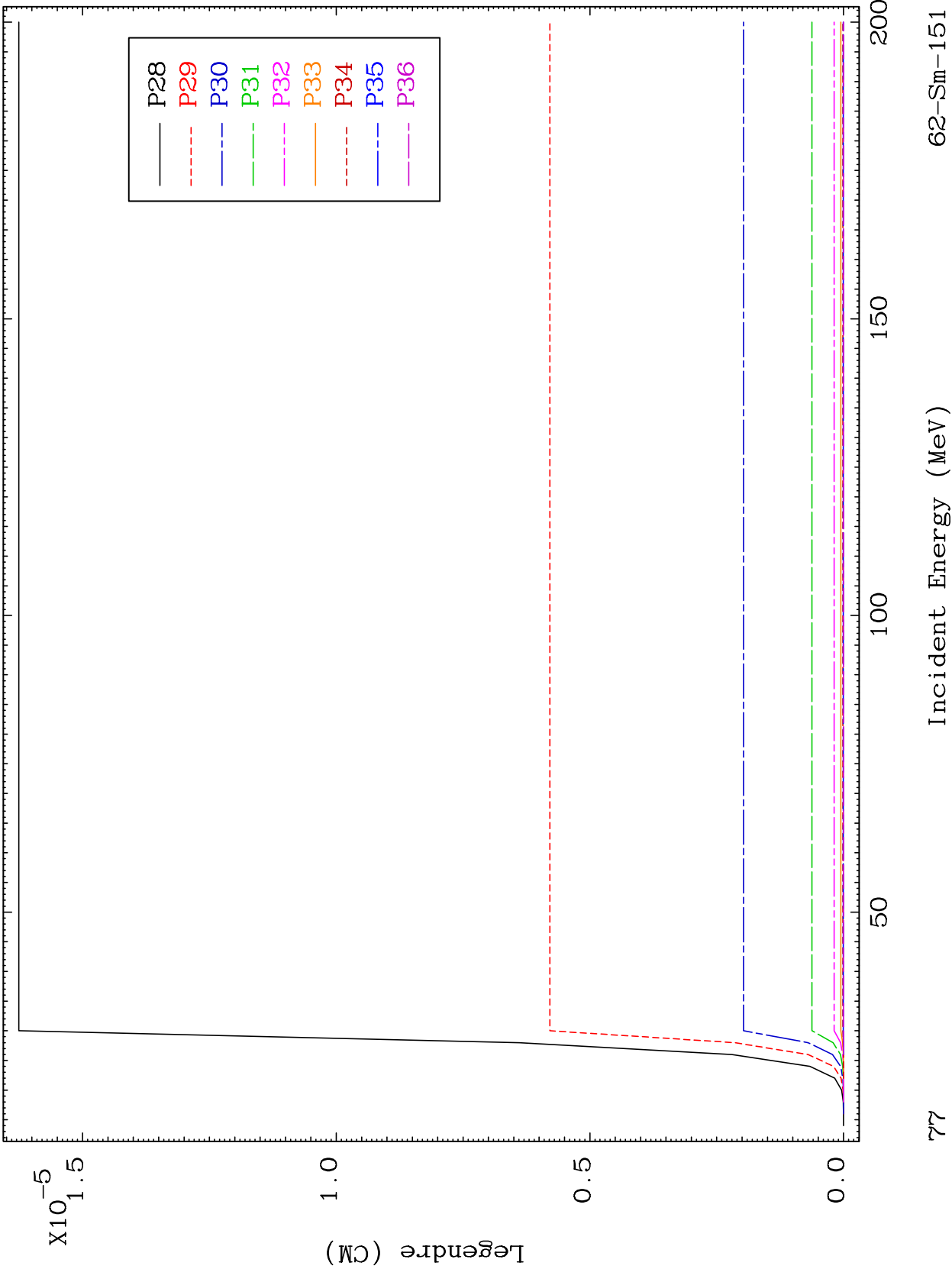
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151

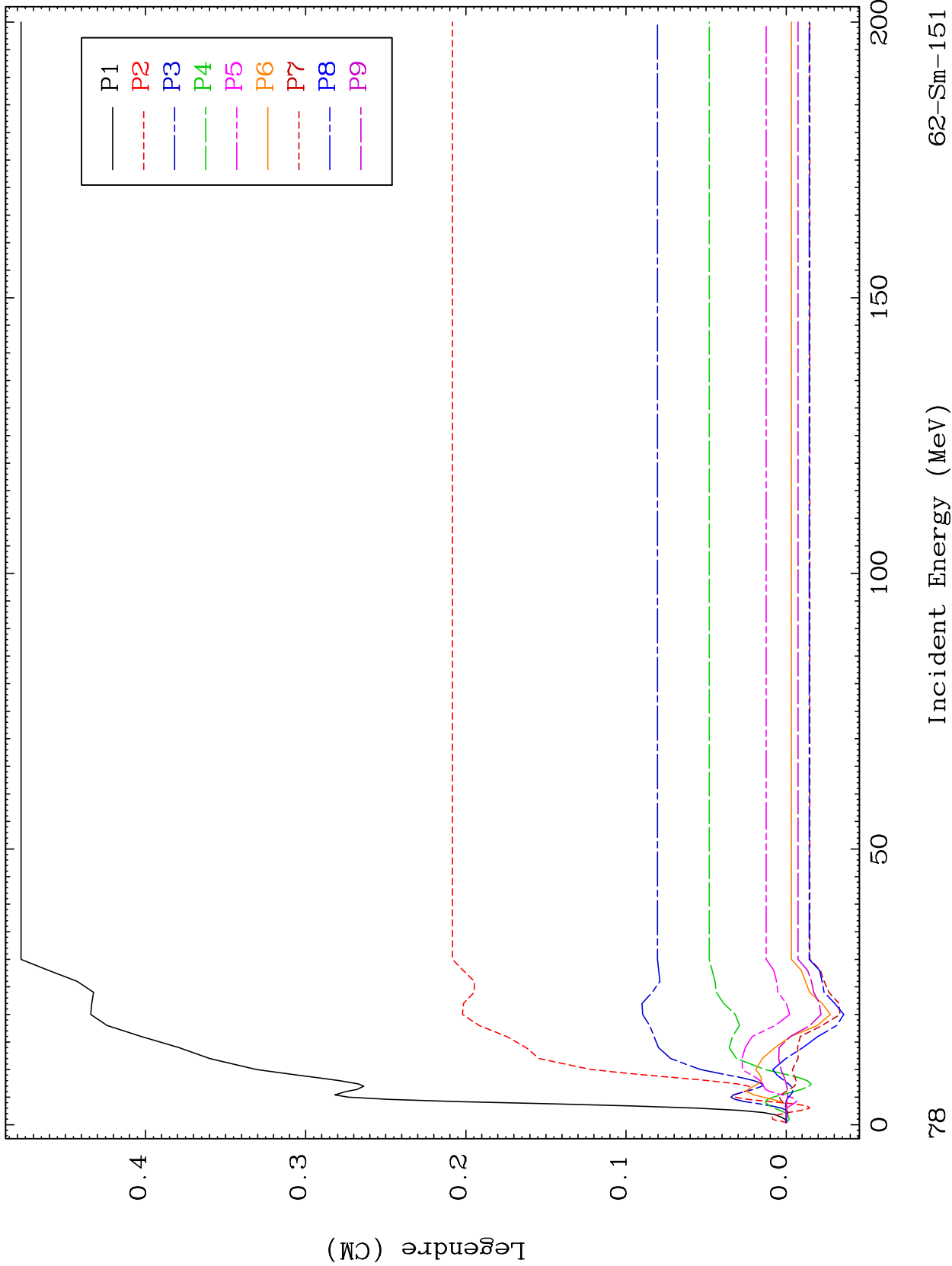


77

MAT 6246

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

62-Sm-151



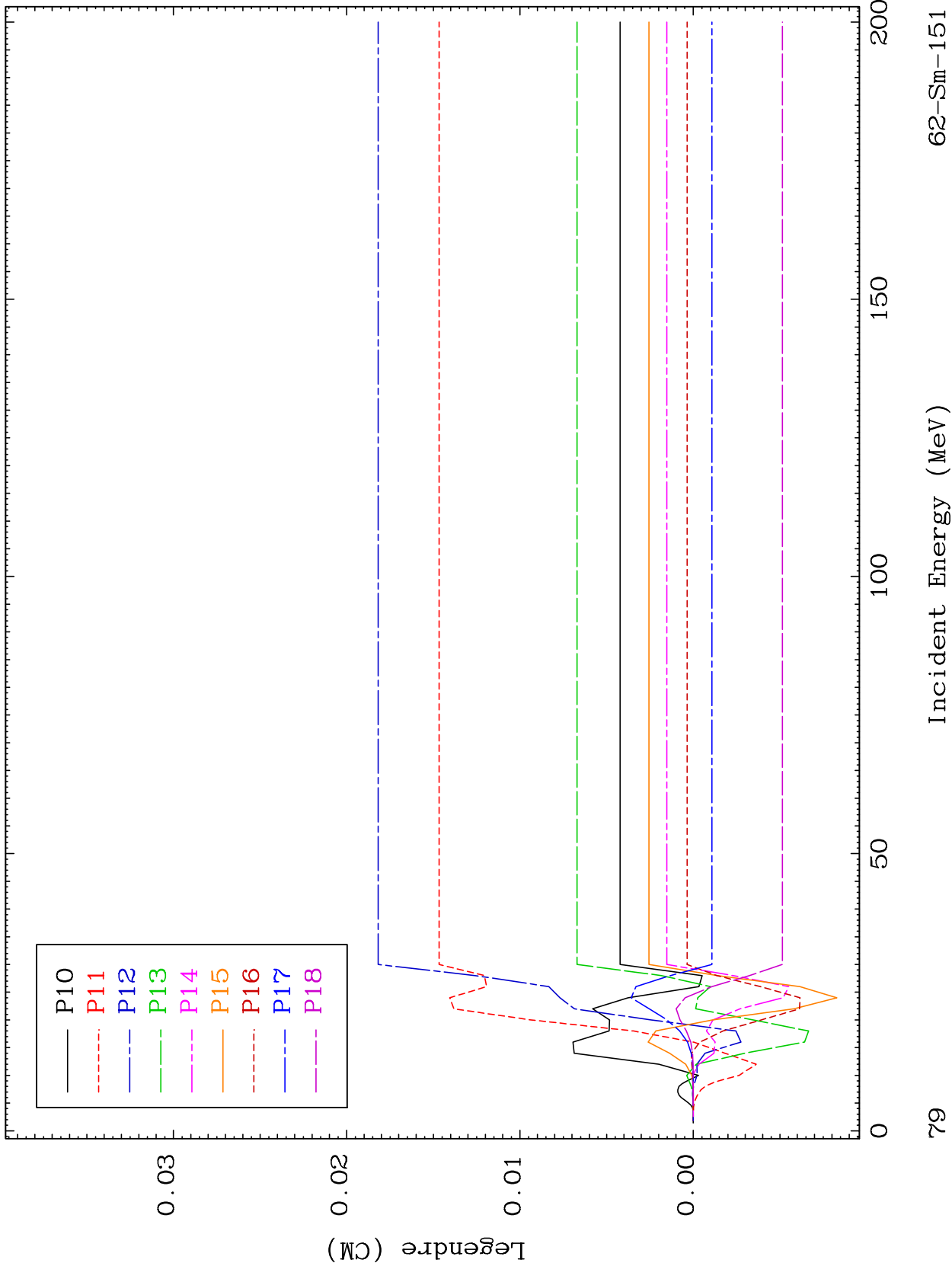
78

62-Sm-151

MAT 6246

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

62-Sm-151



79

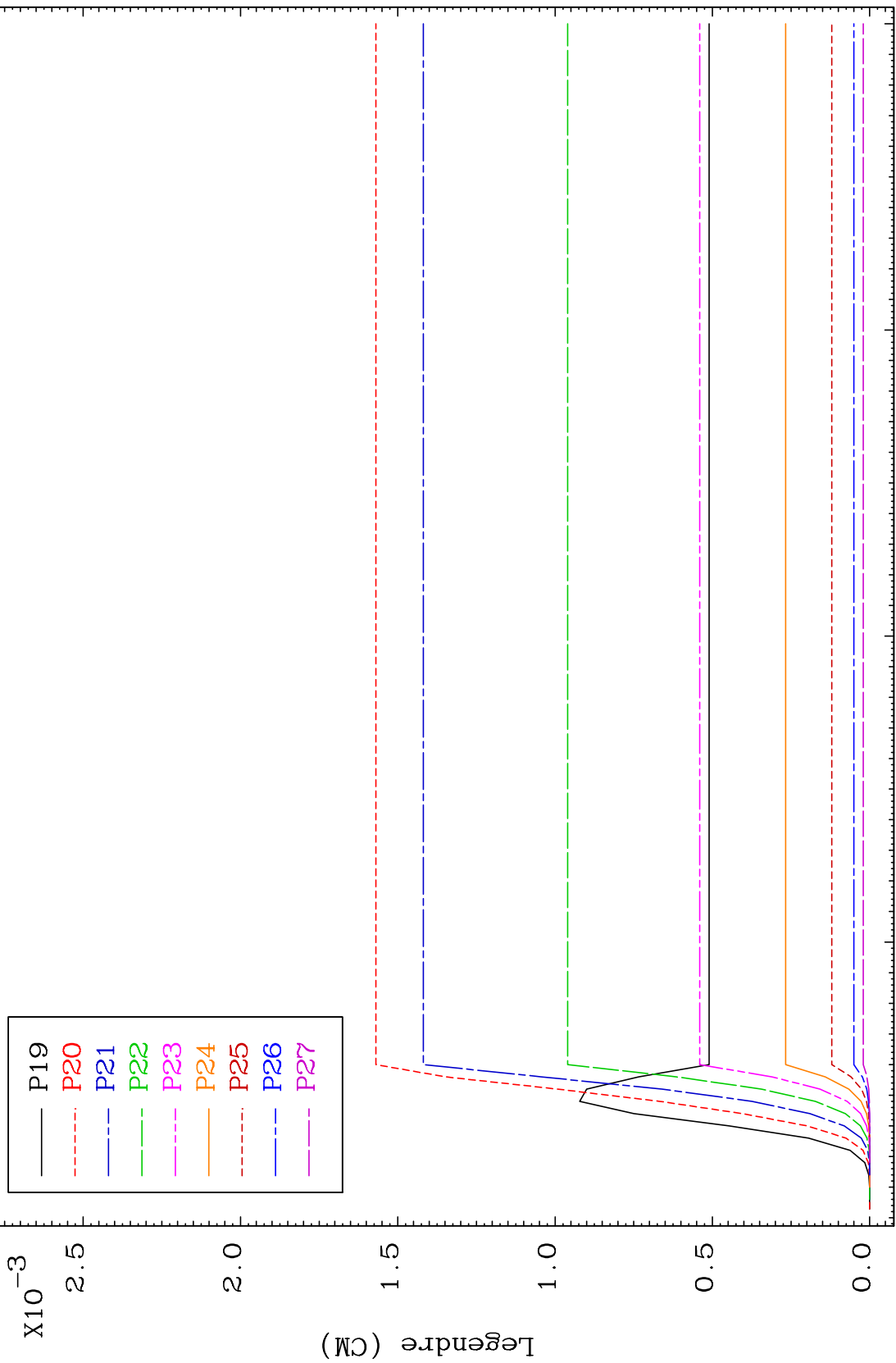
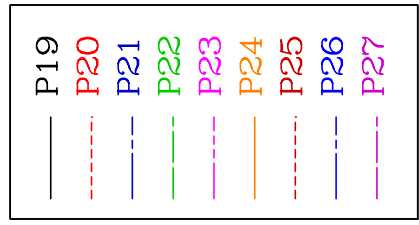
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



80

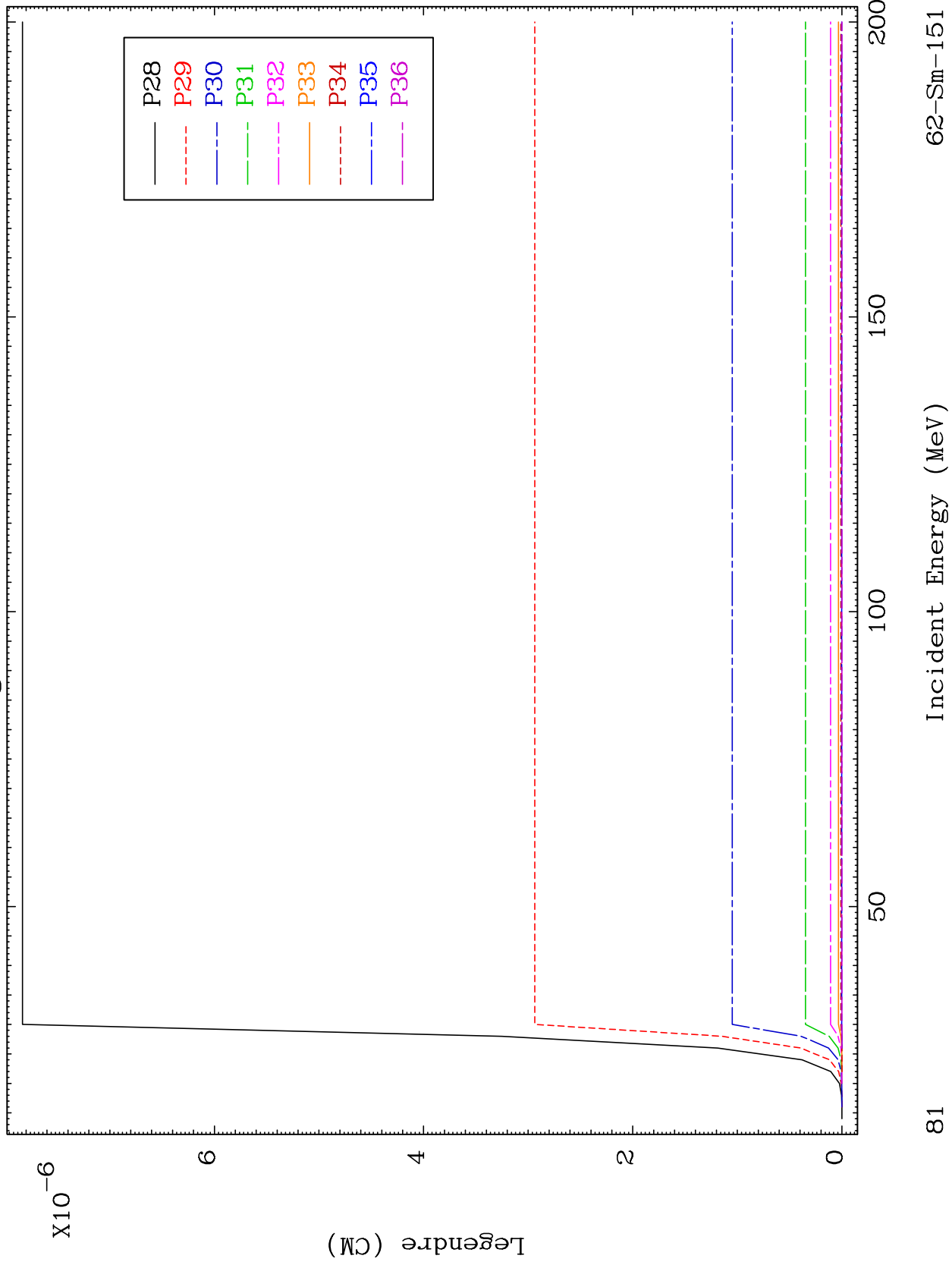
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

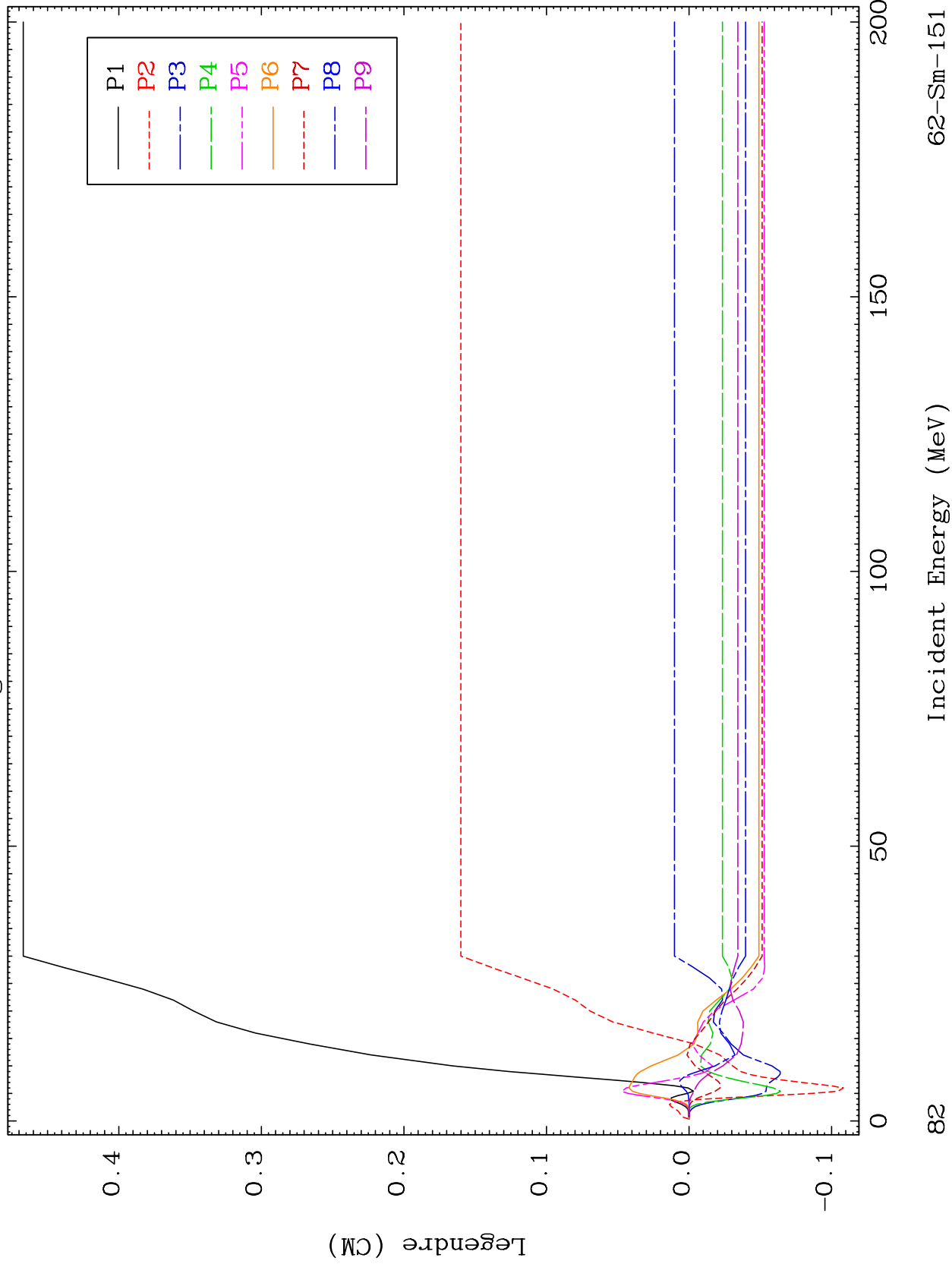
62-Sm-151



MAT 6246

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

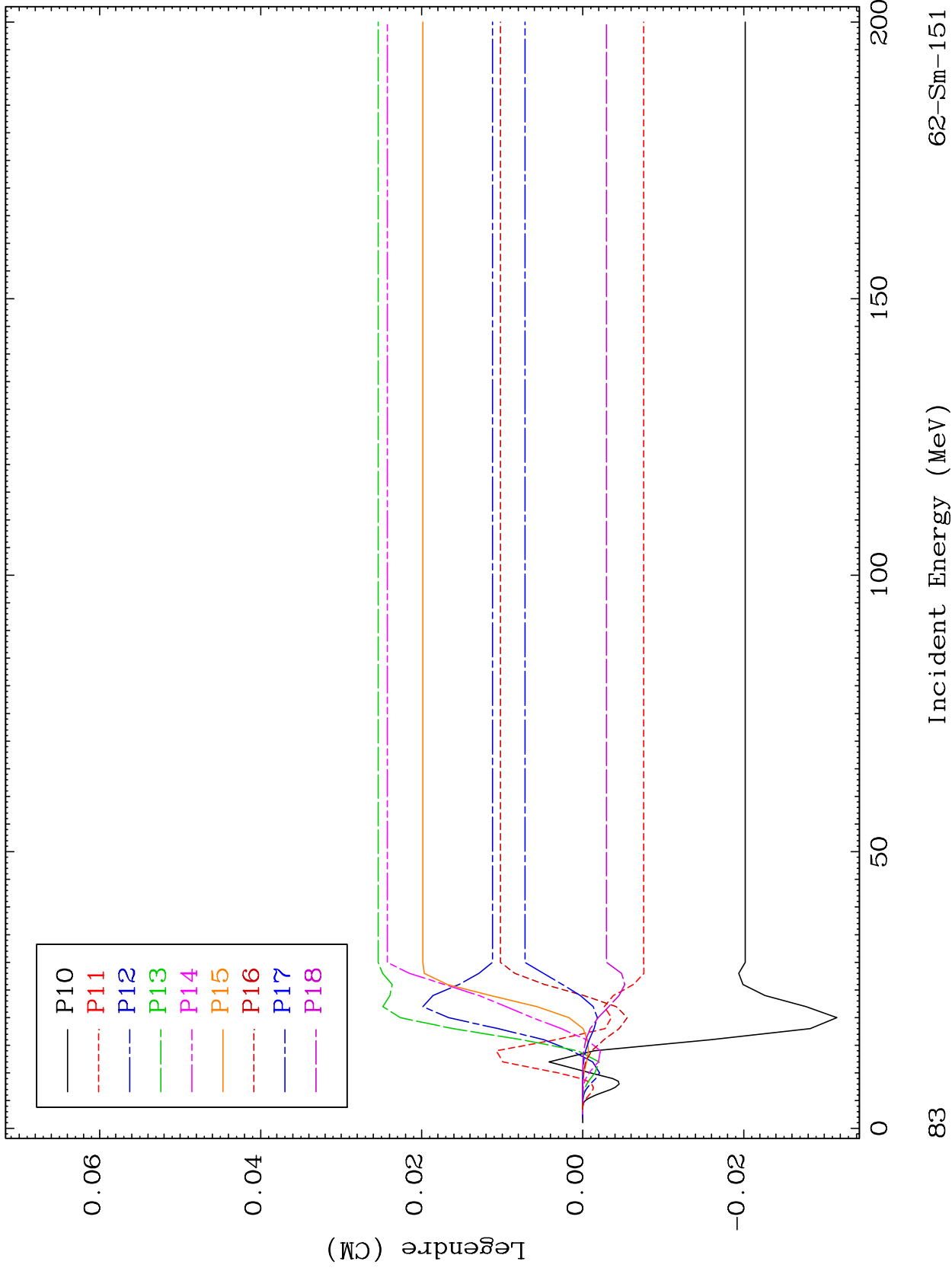
62-Sm-151



MAT 6246

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

62-Sm-151



83

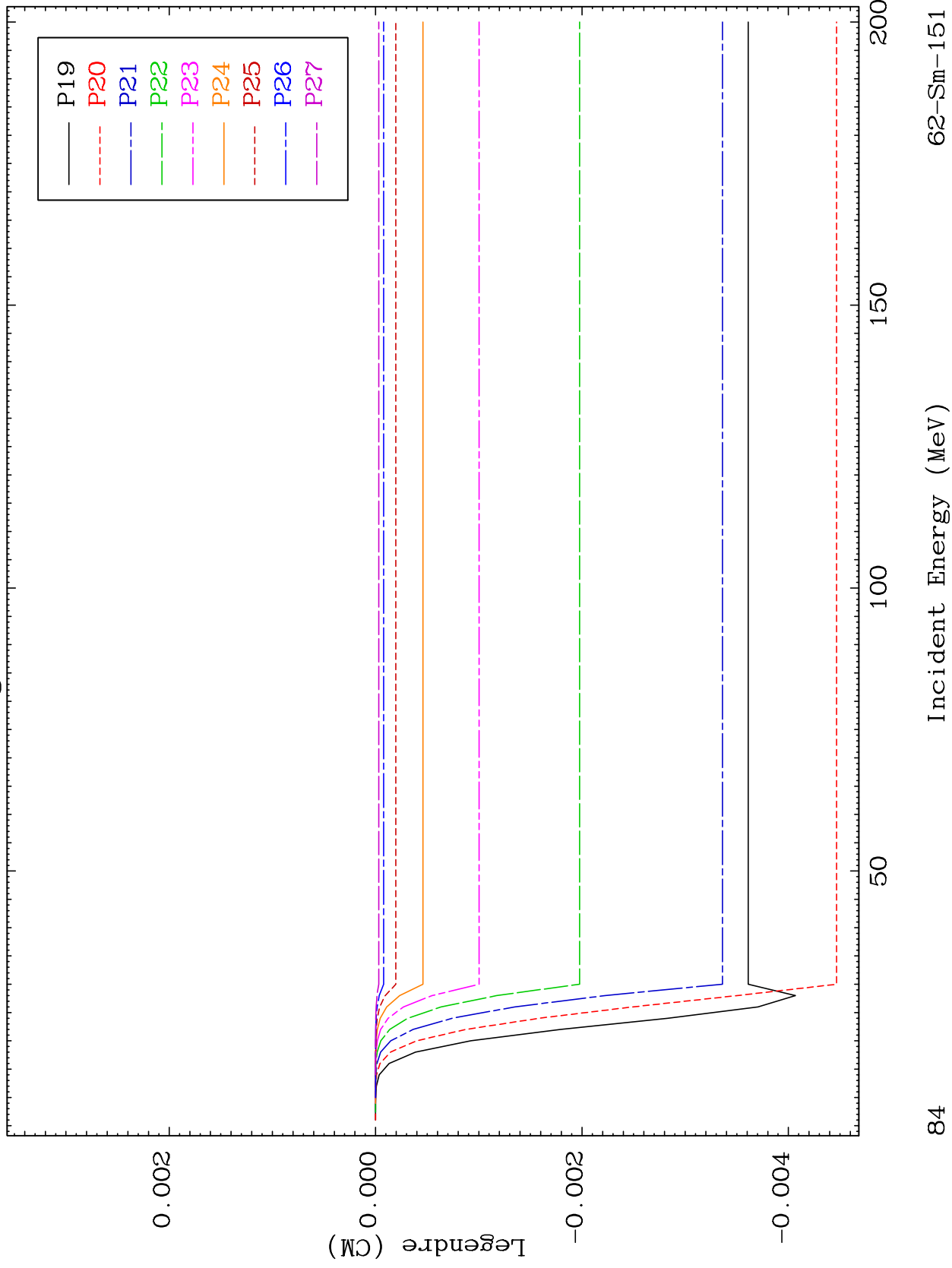
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

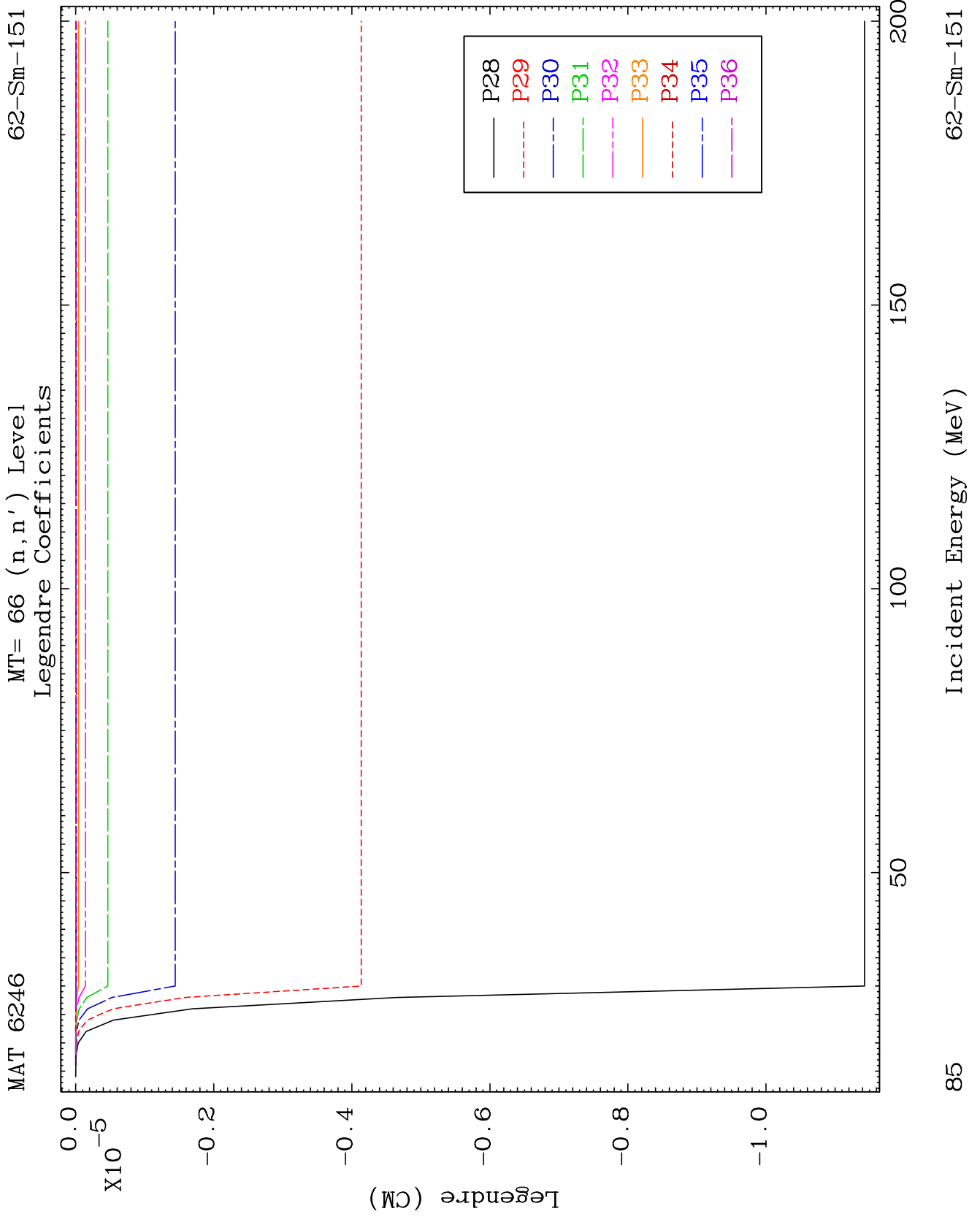
62-Sm-151



84

Incident Energy (MeV)

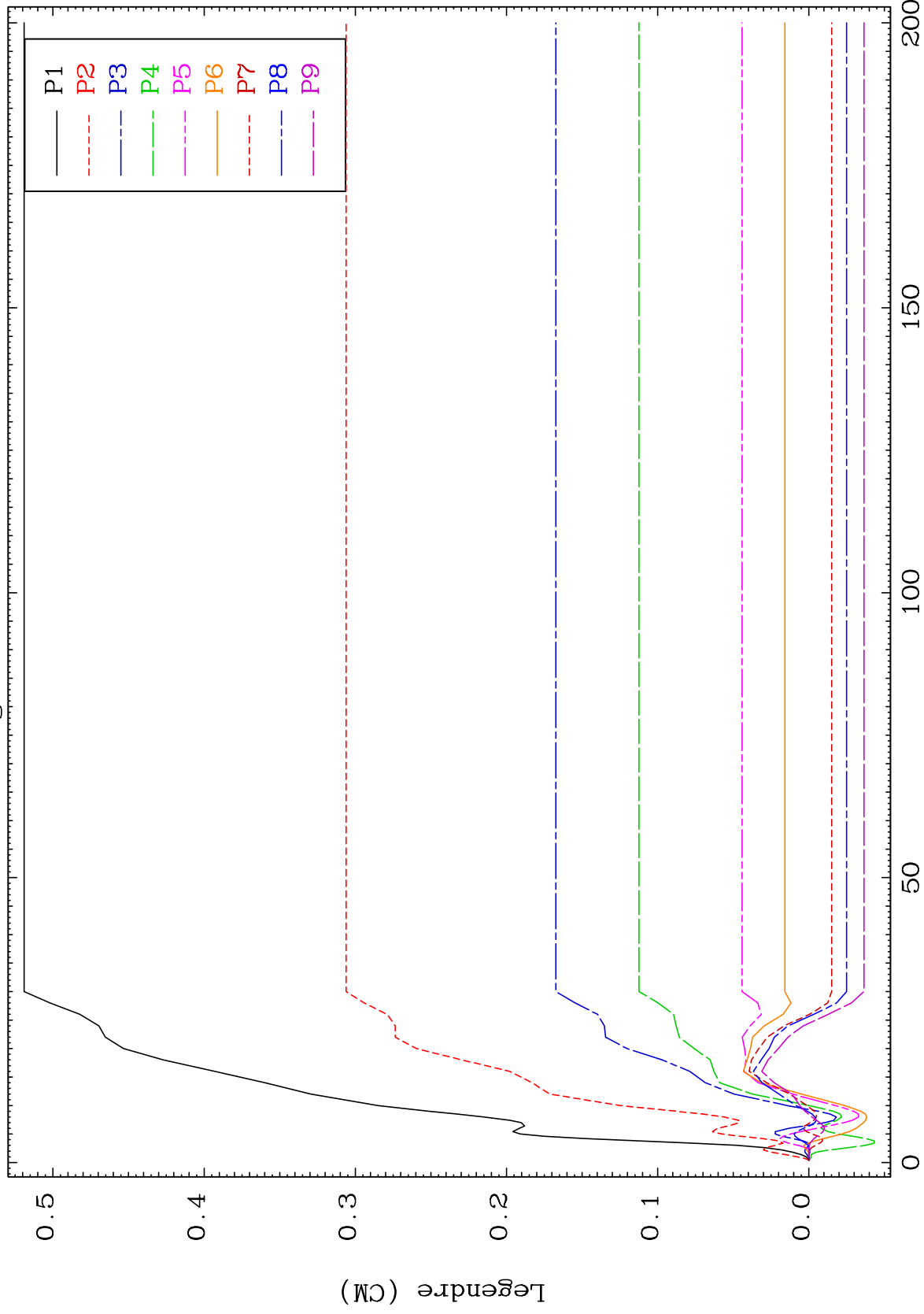
62-Sm-151



MAT 6246

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

62-Sm-151



86

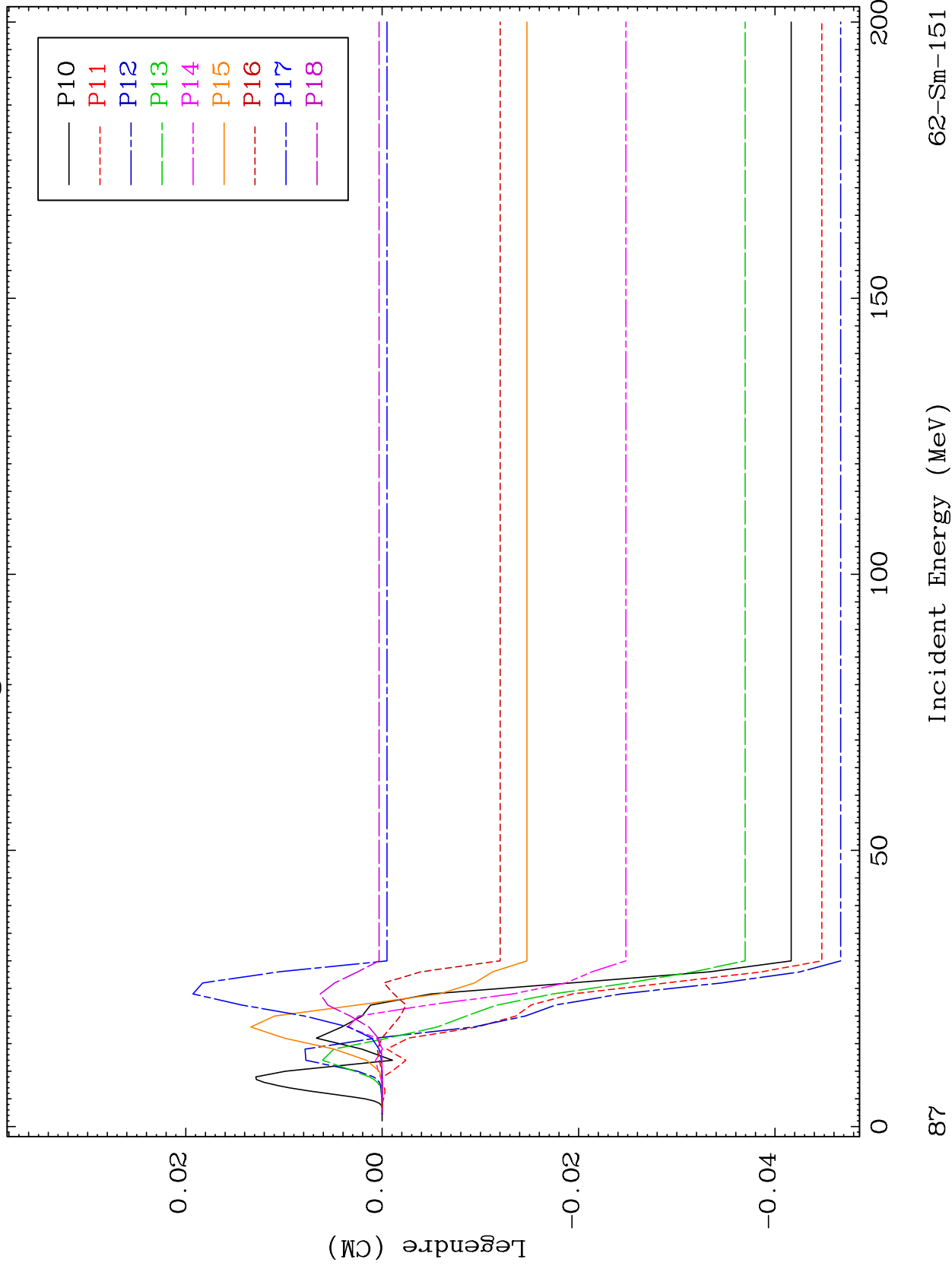
Incident Energy (MeV)

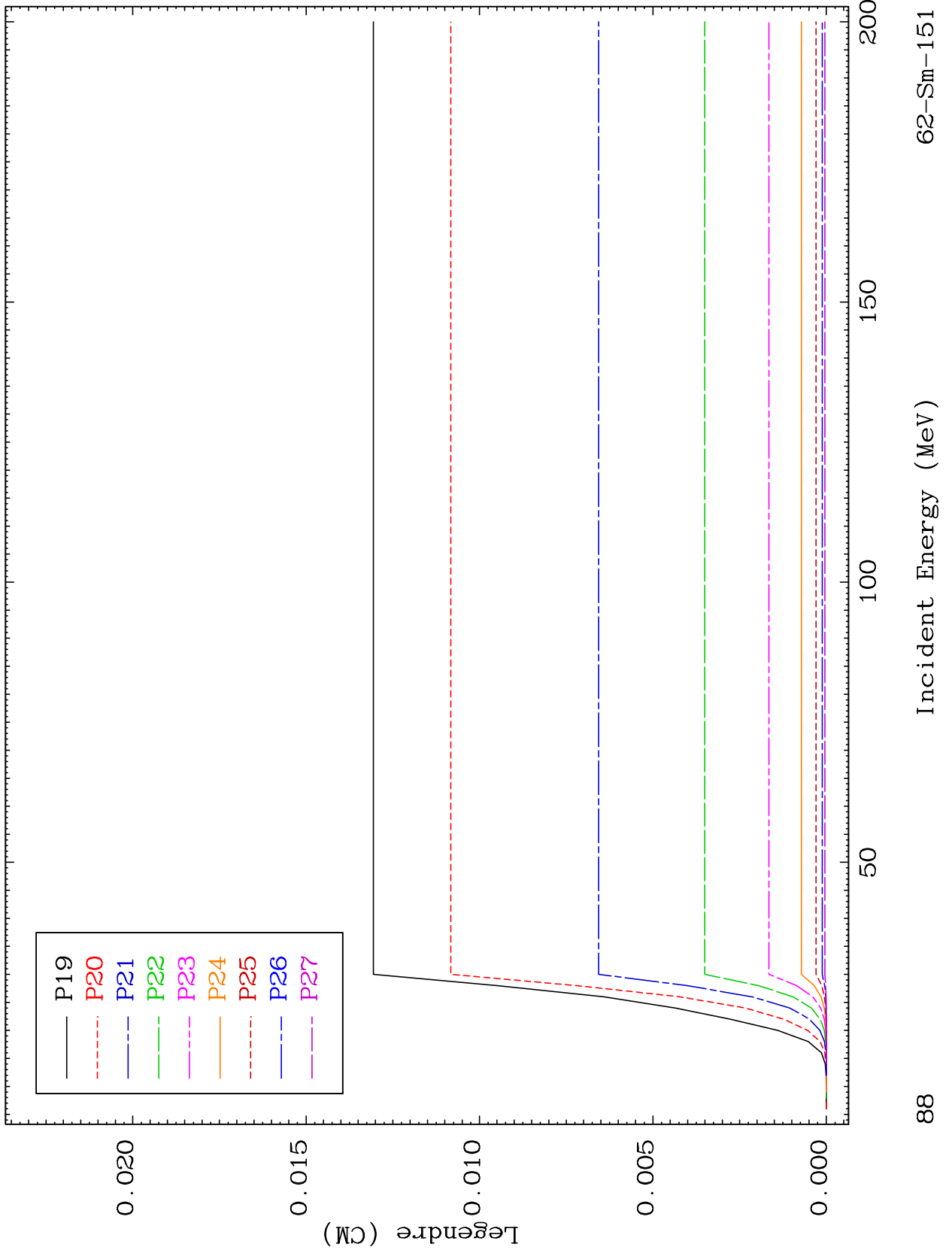
62-Sm-151

MAT 6246

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

62-Sm-151

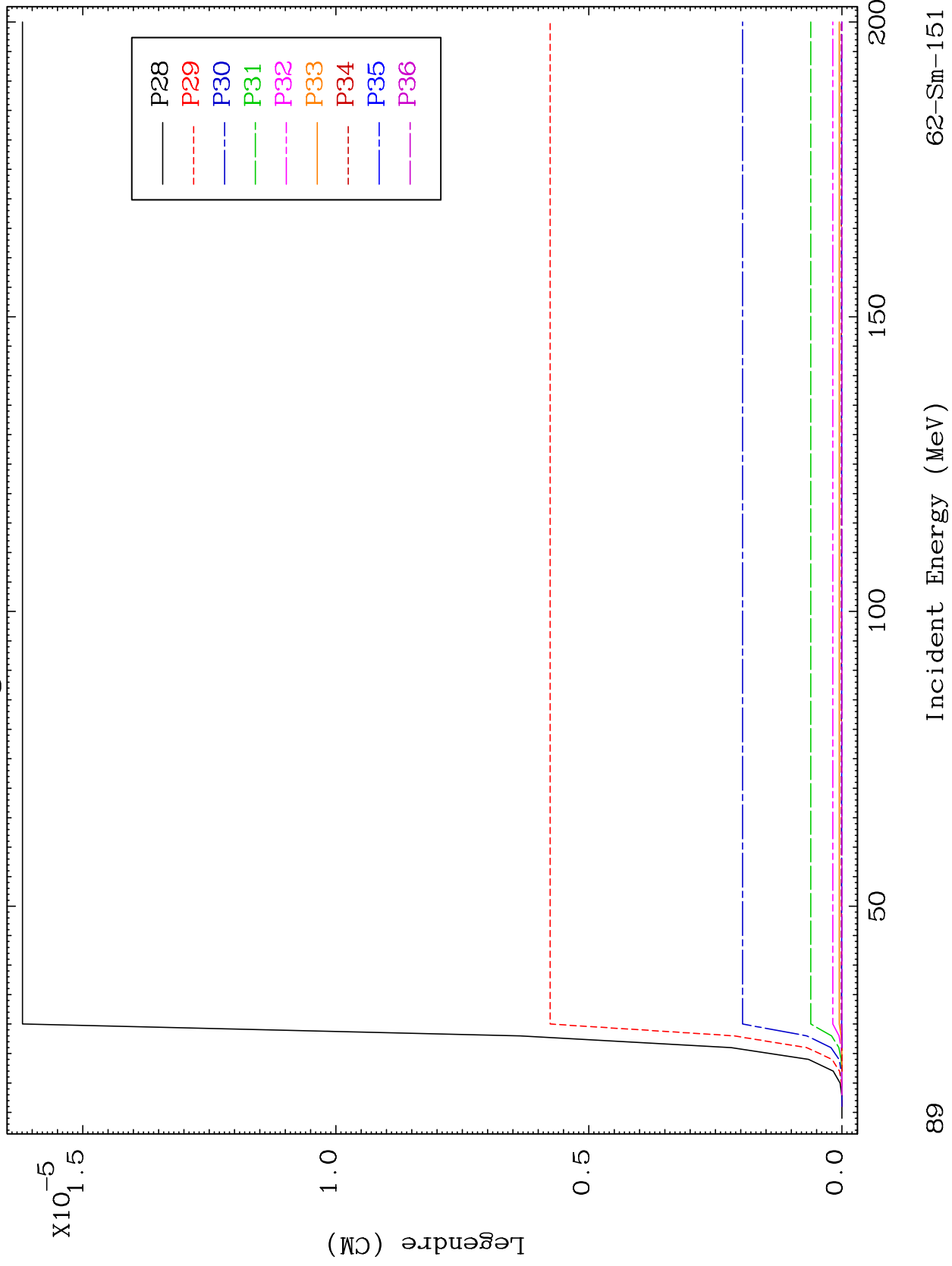




MAT 6246

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

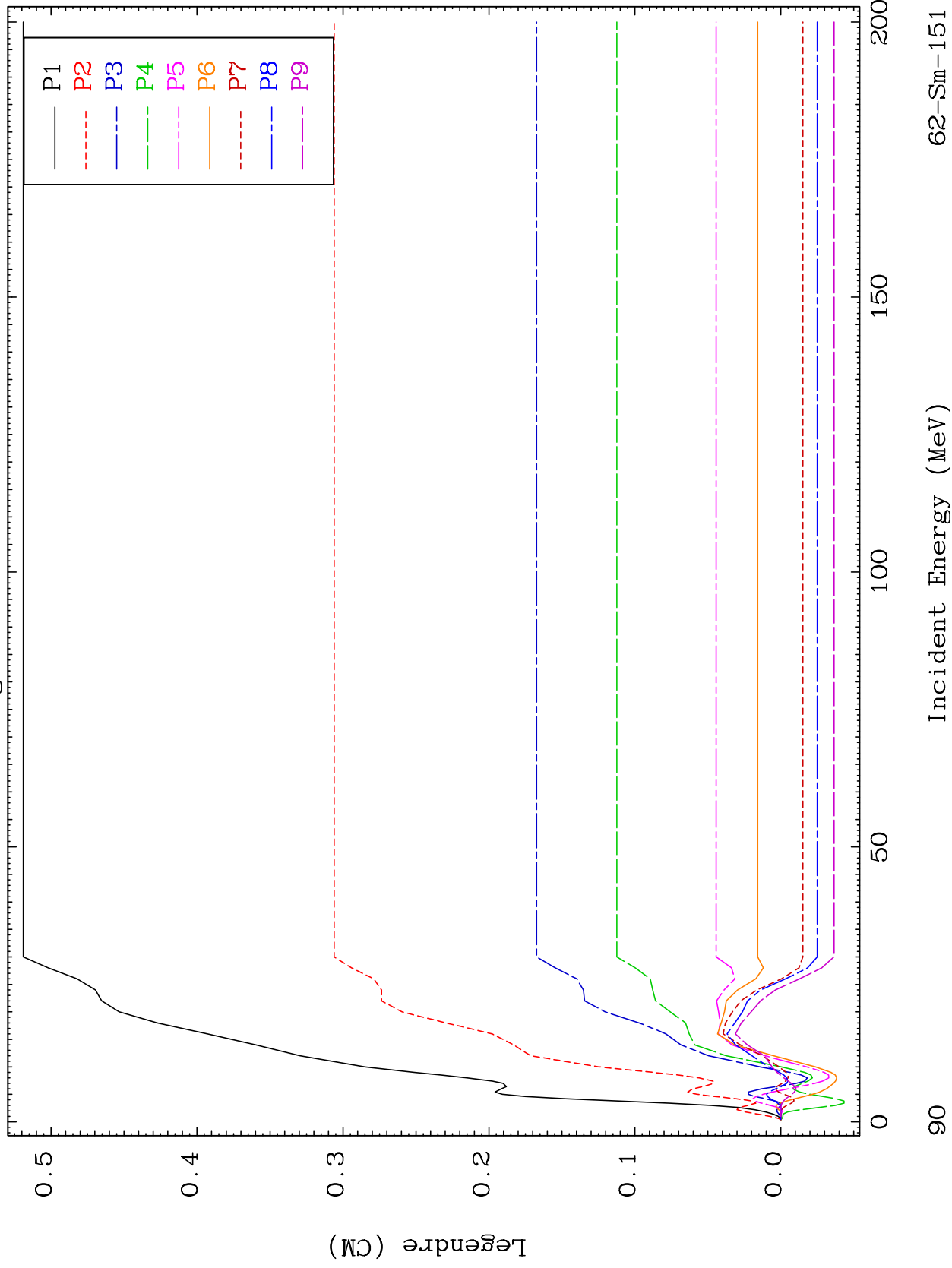
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

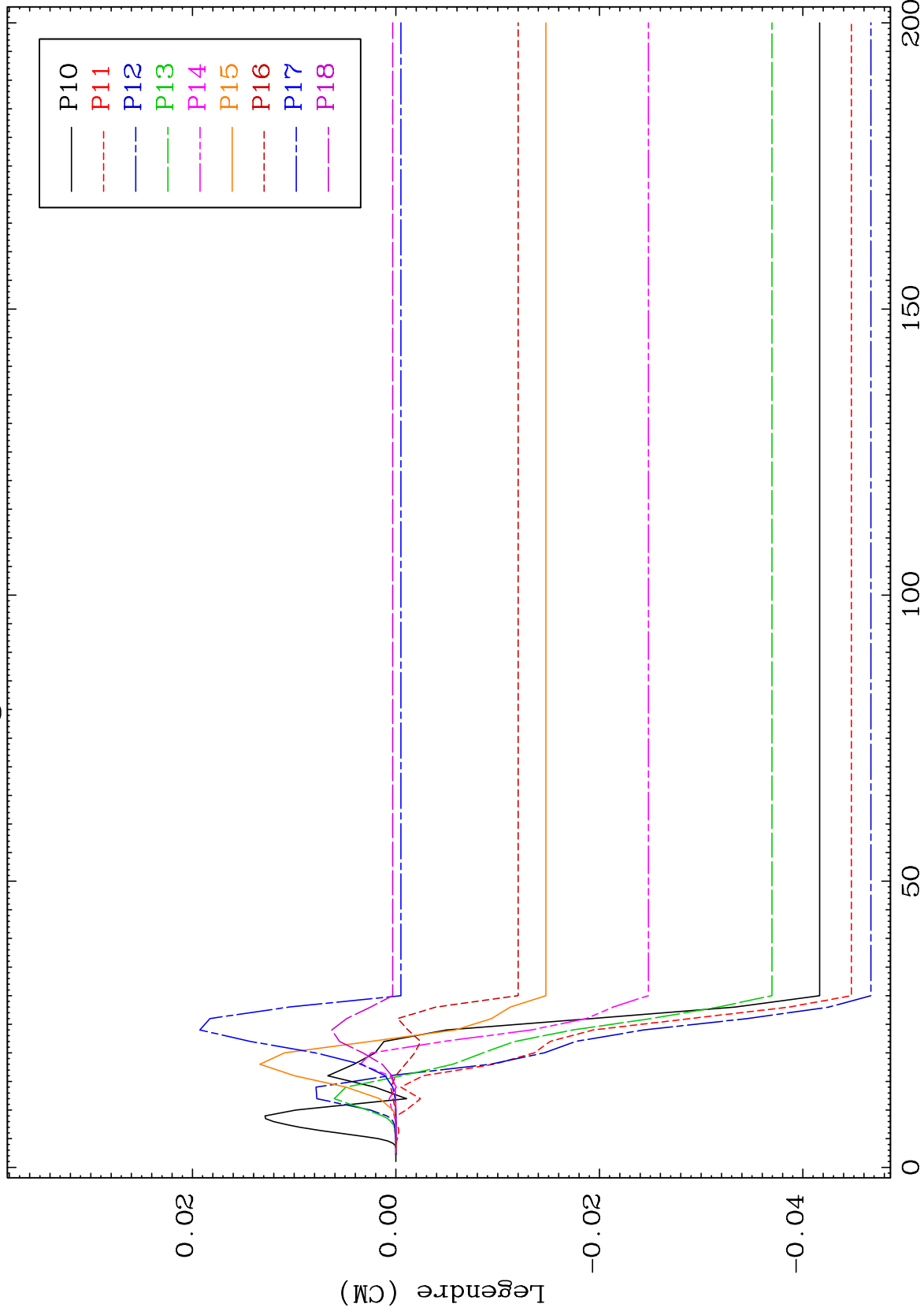
Incident Energy (MeV)

90

MAT 6246

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

62-Sm-151



91

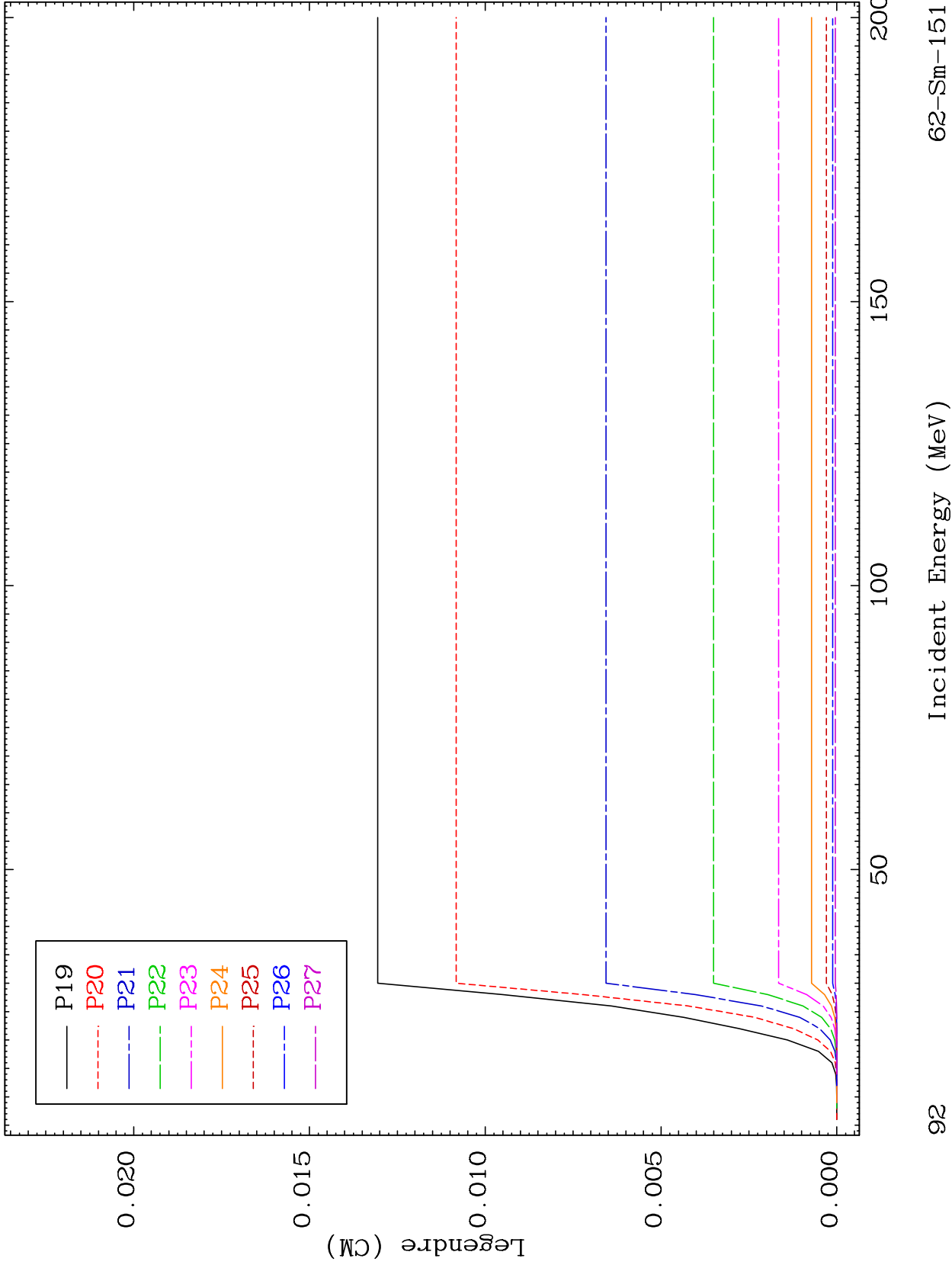
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151

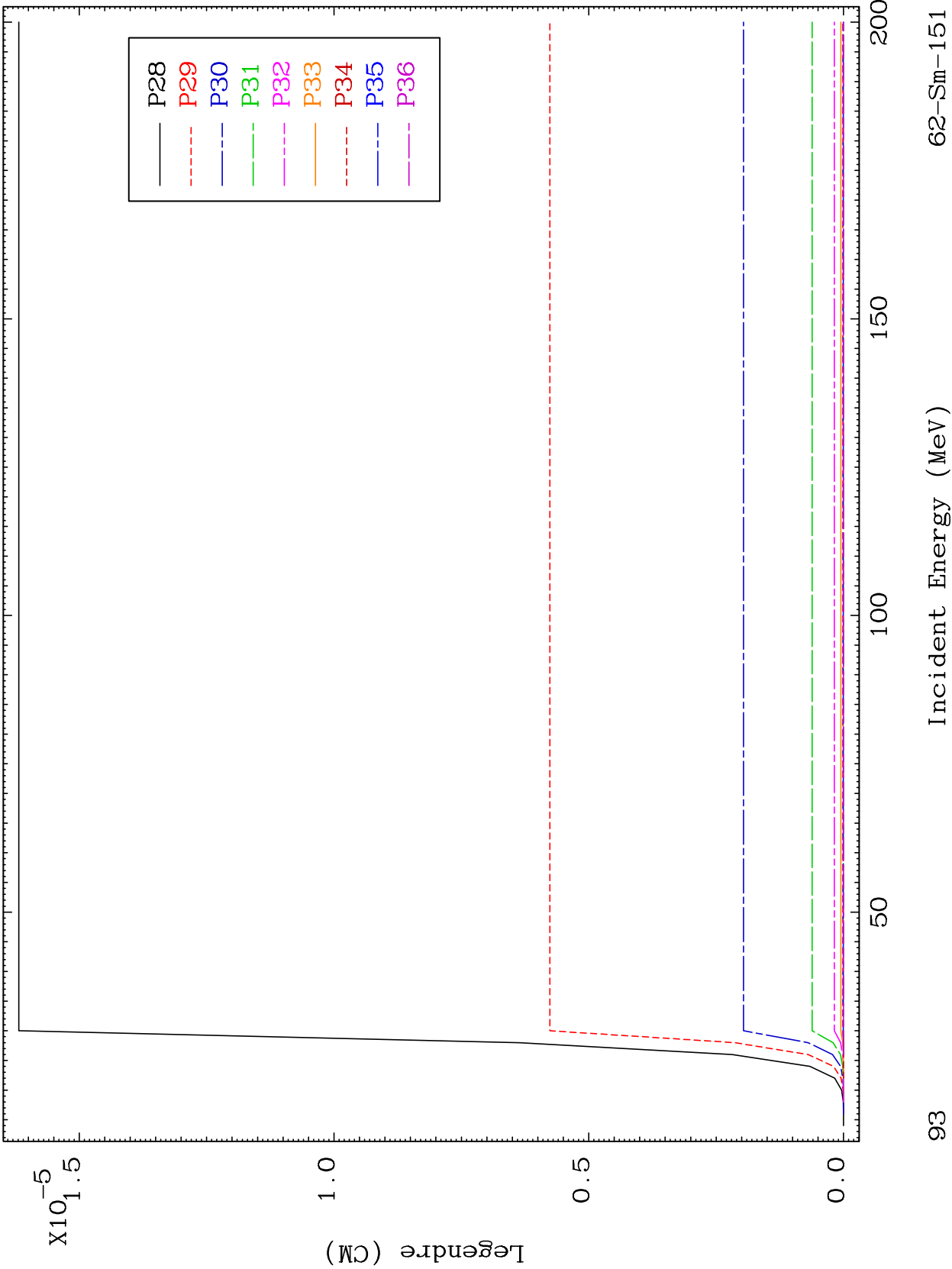


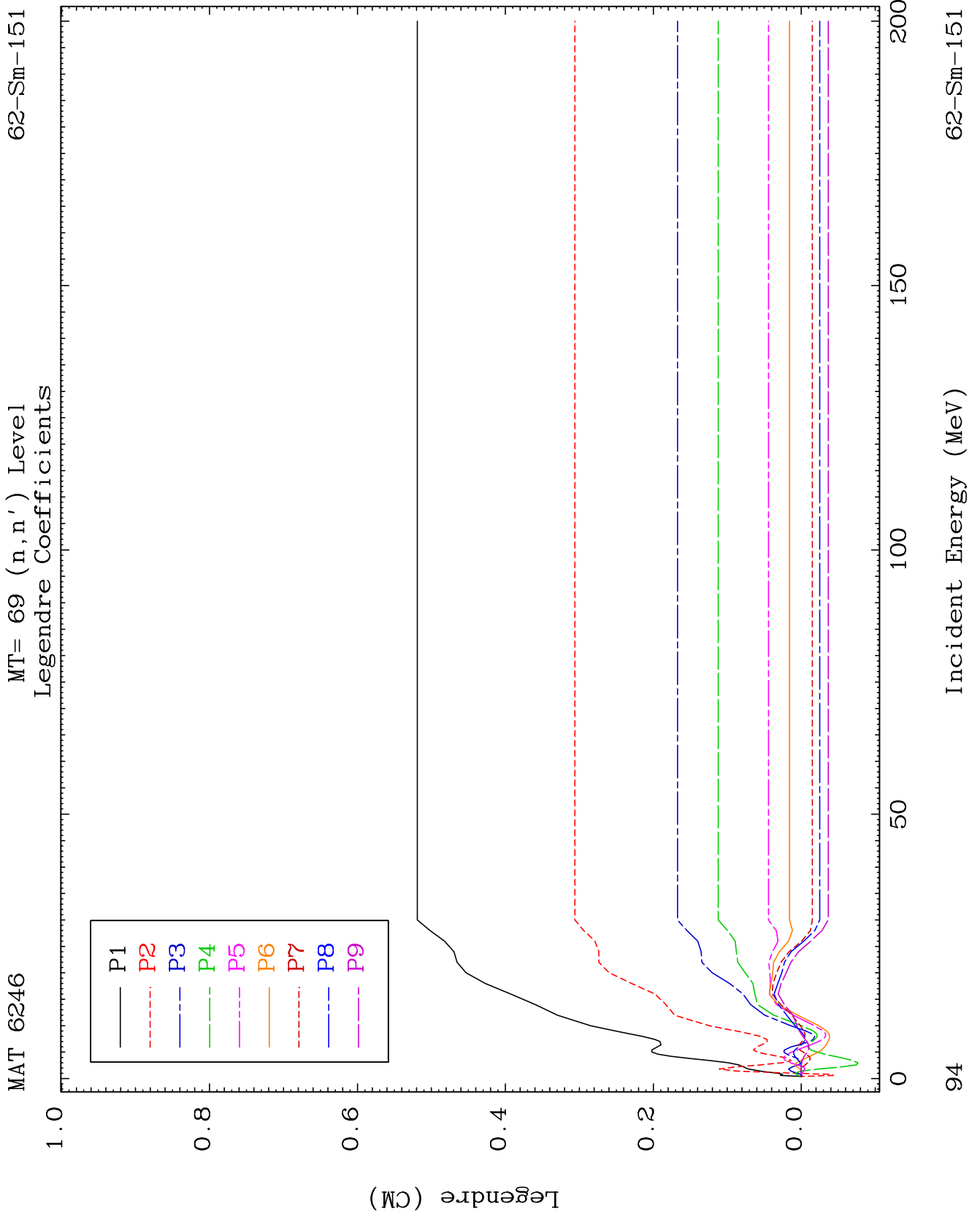
92

MAT 6246

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

62-Sm-151

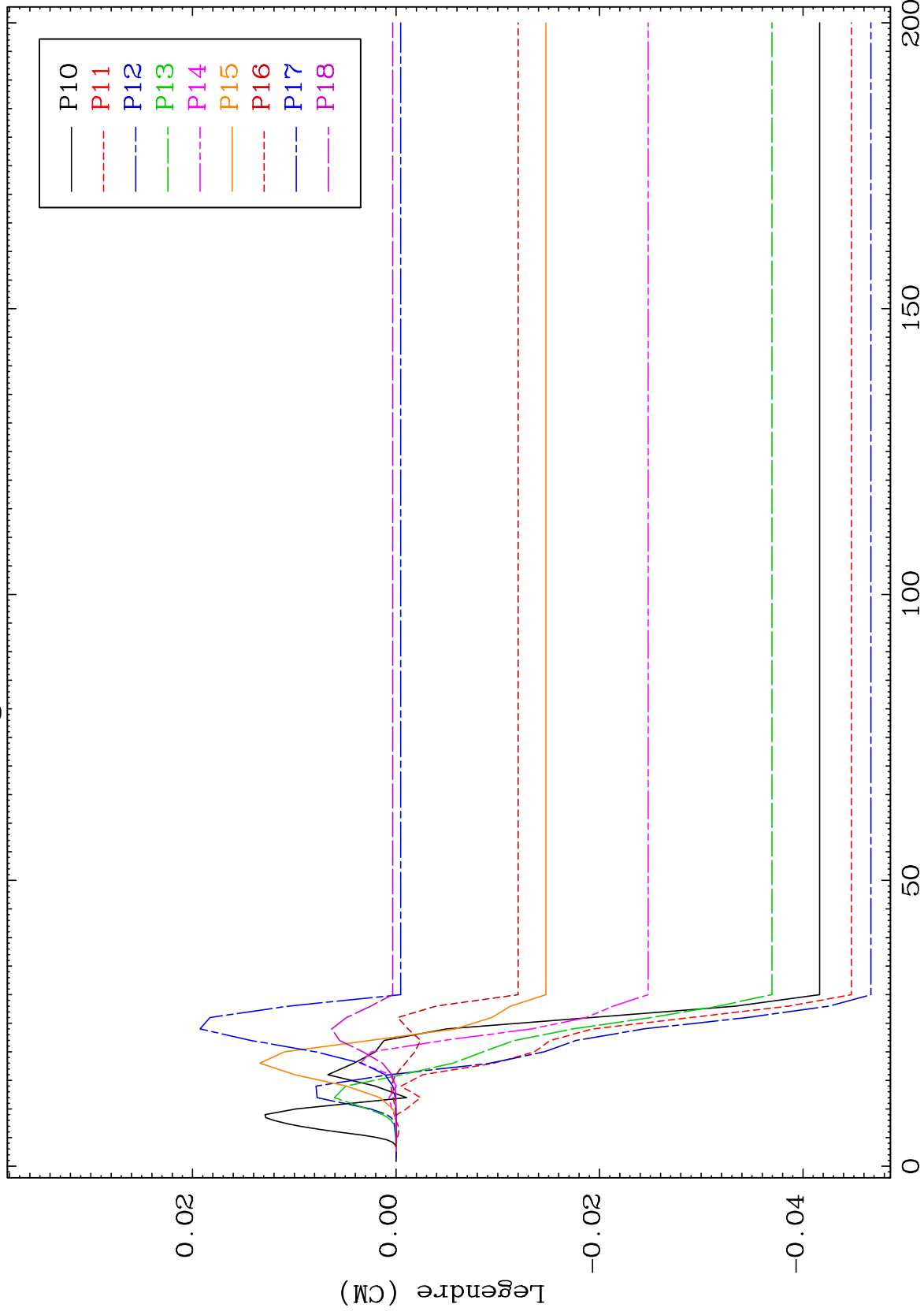




MAT 6246

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

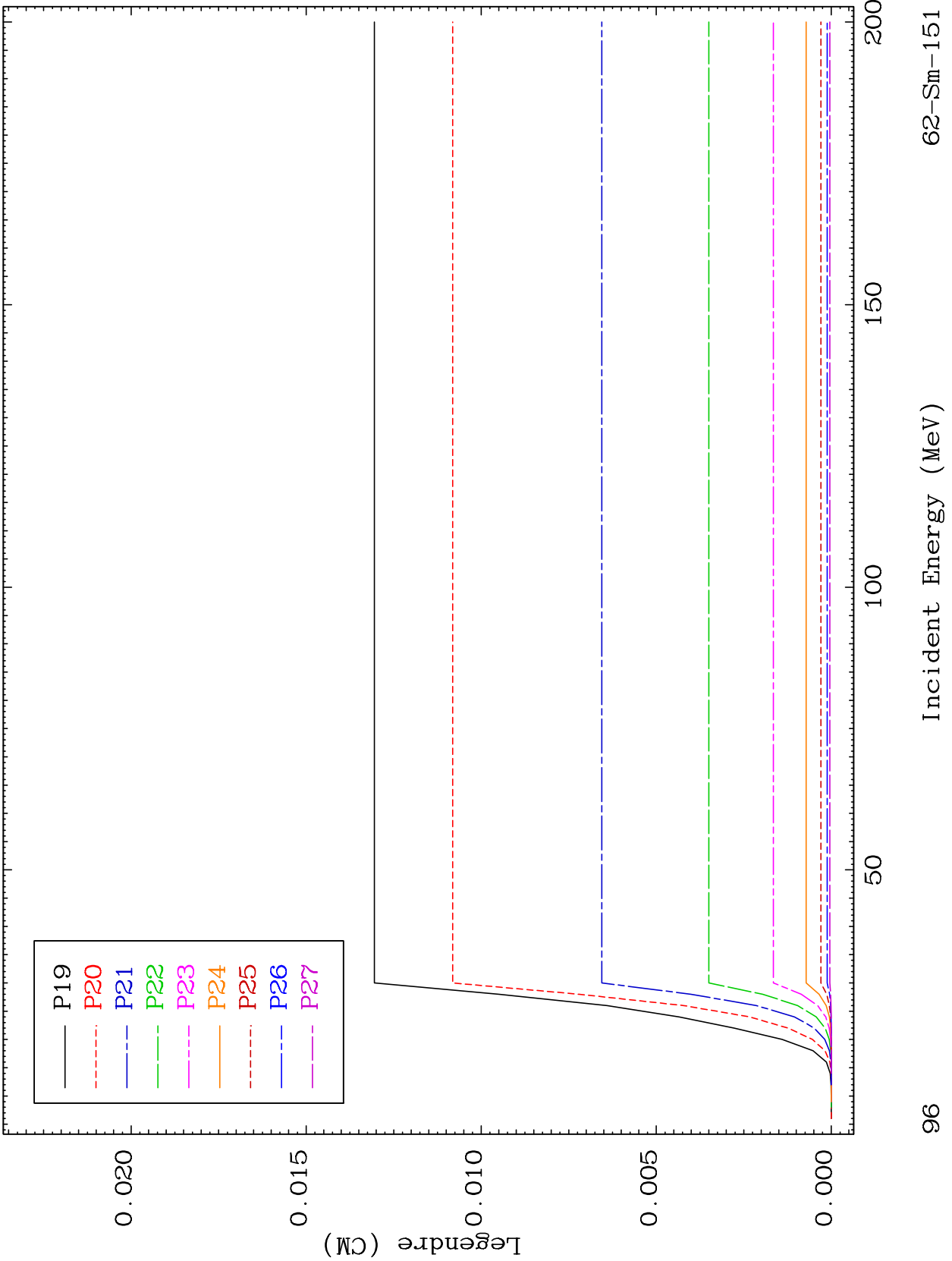
62-Sm-151



95

Incident Energy (MeV)

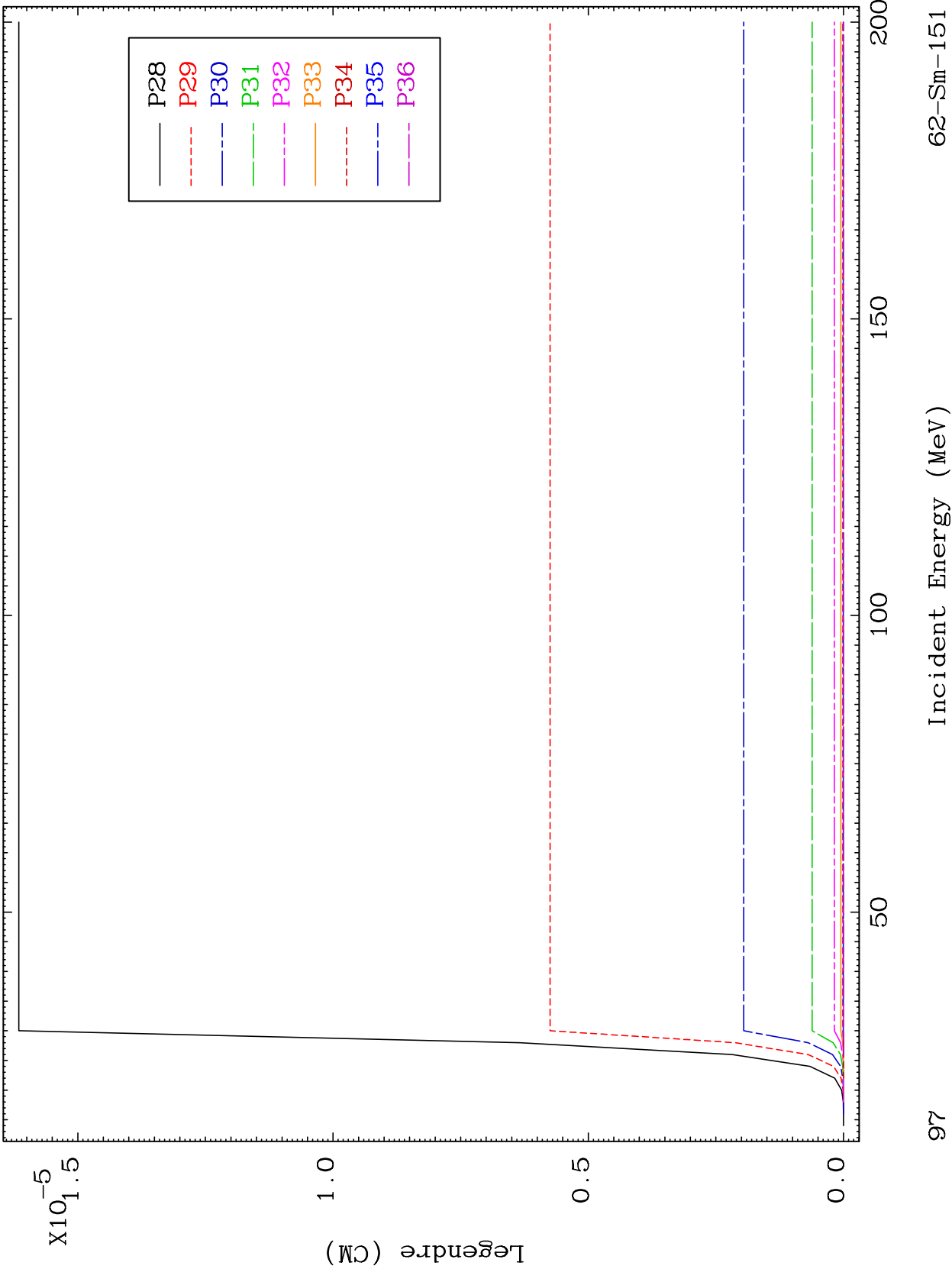
62-Sm-151



MAT 6246

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

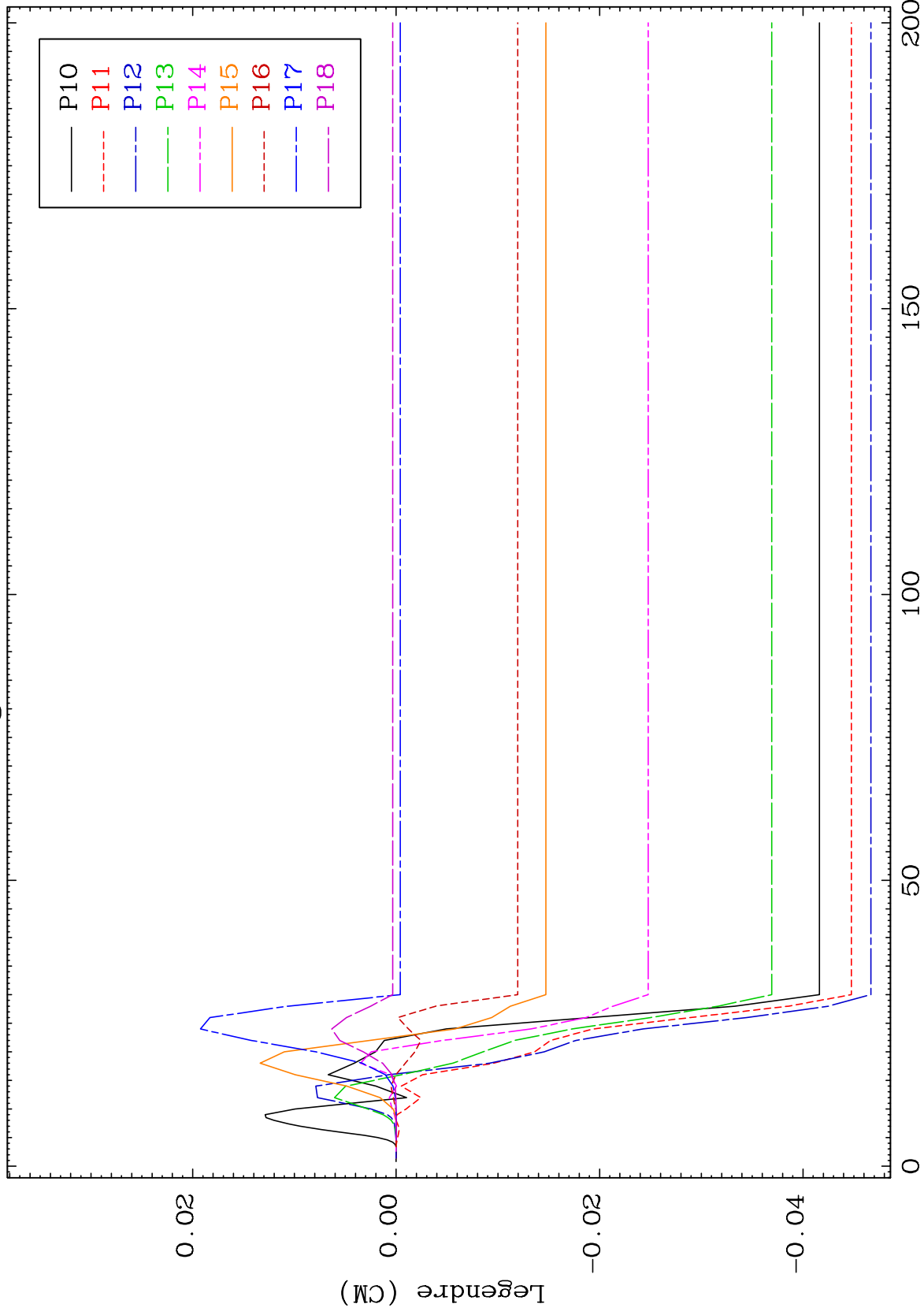
62-Sm-151



MAT 6246

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

62-Sm-151



99

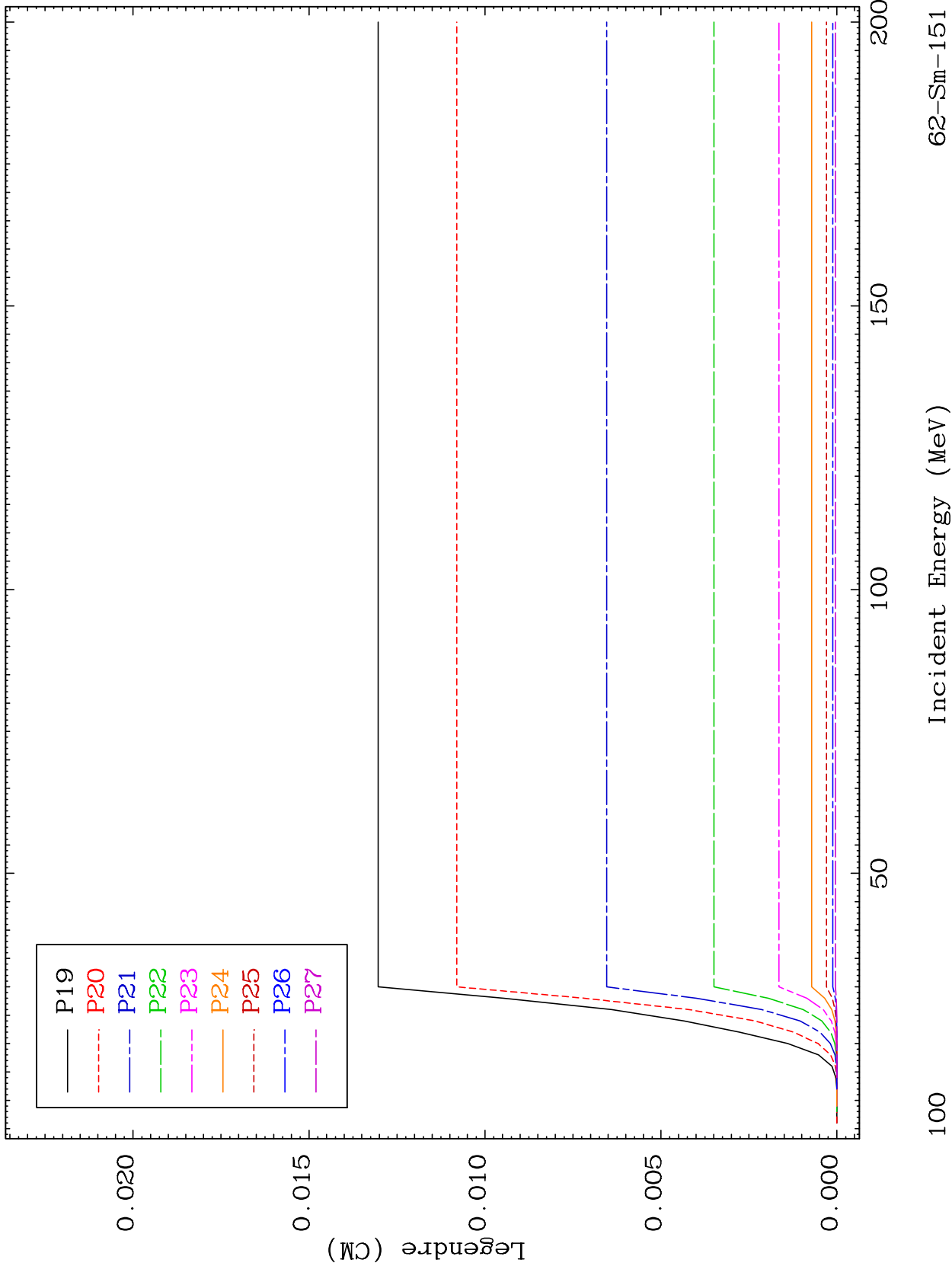
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



100

50

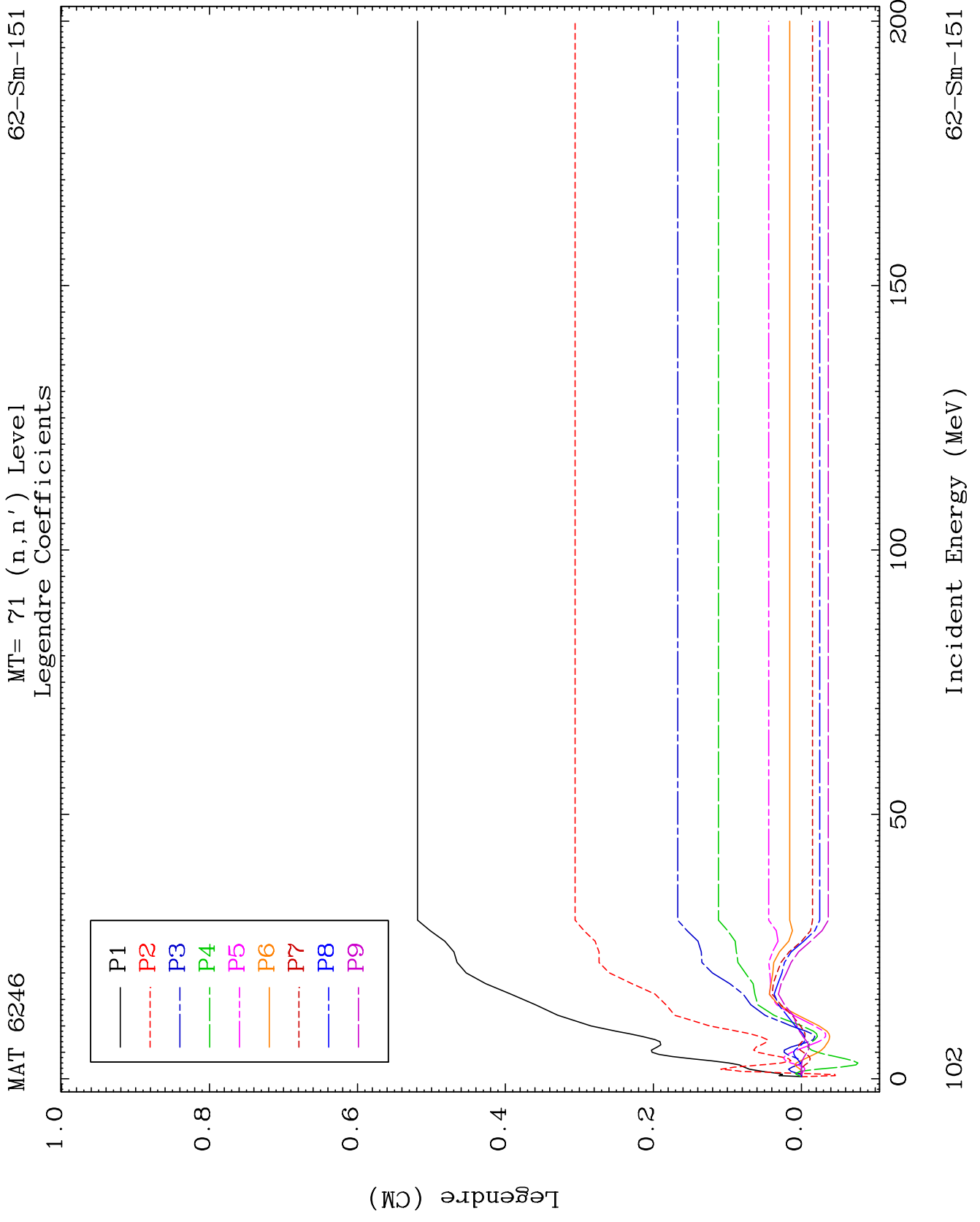
100

150

200

Incident Energy (MeV)

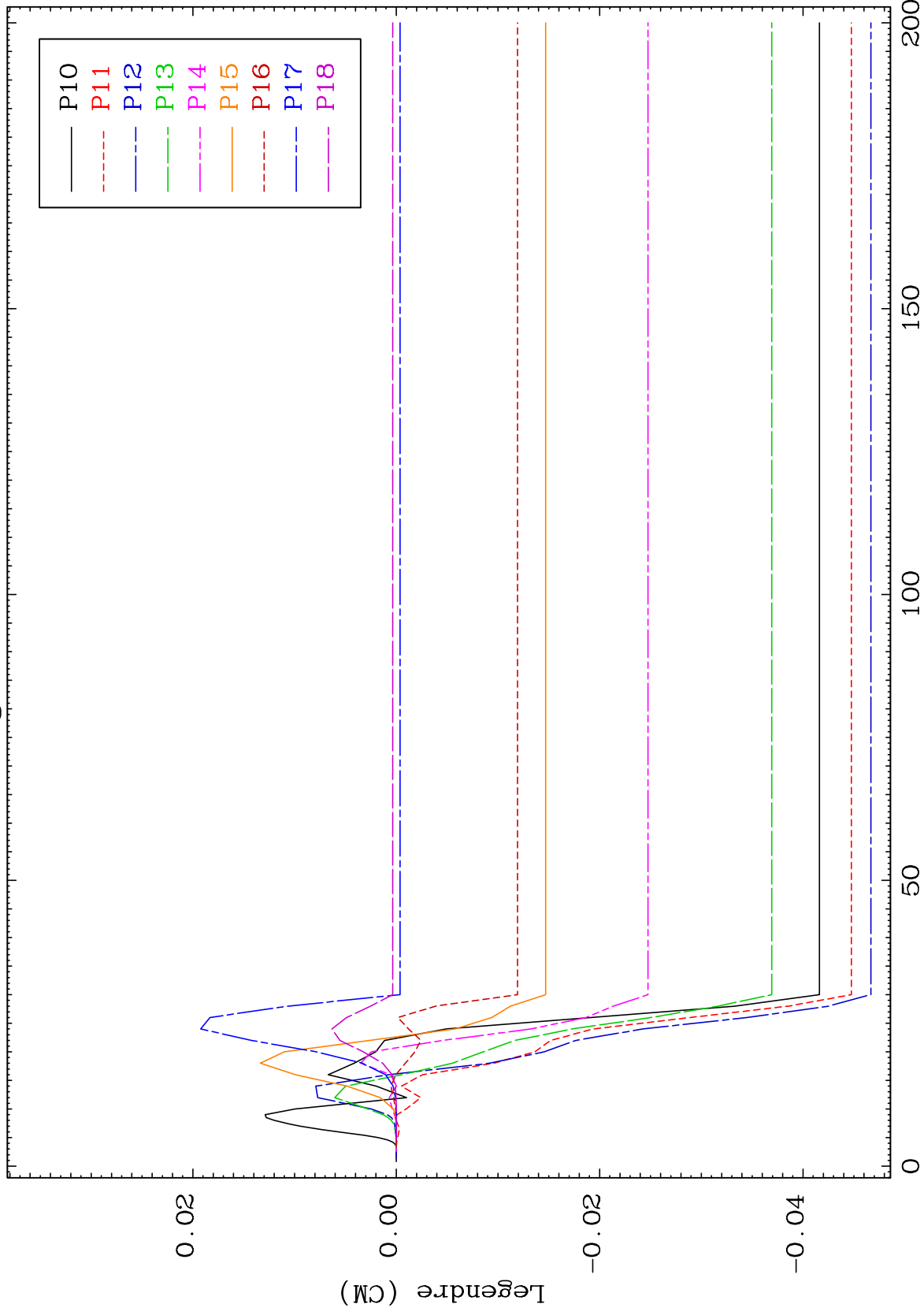
62-Sm-151



MAT 6246

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

62-Sm-151



103

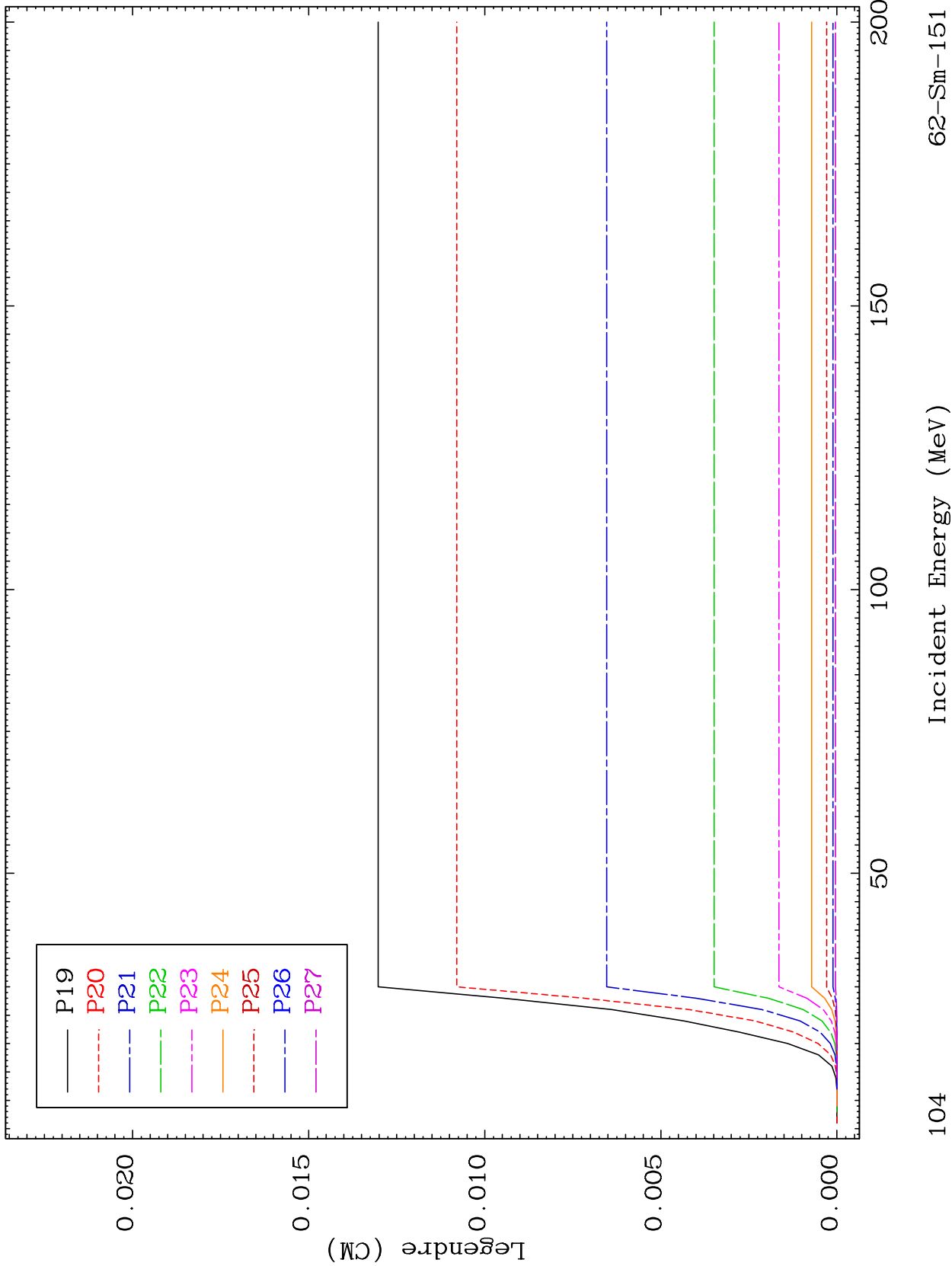
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



104

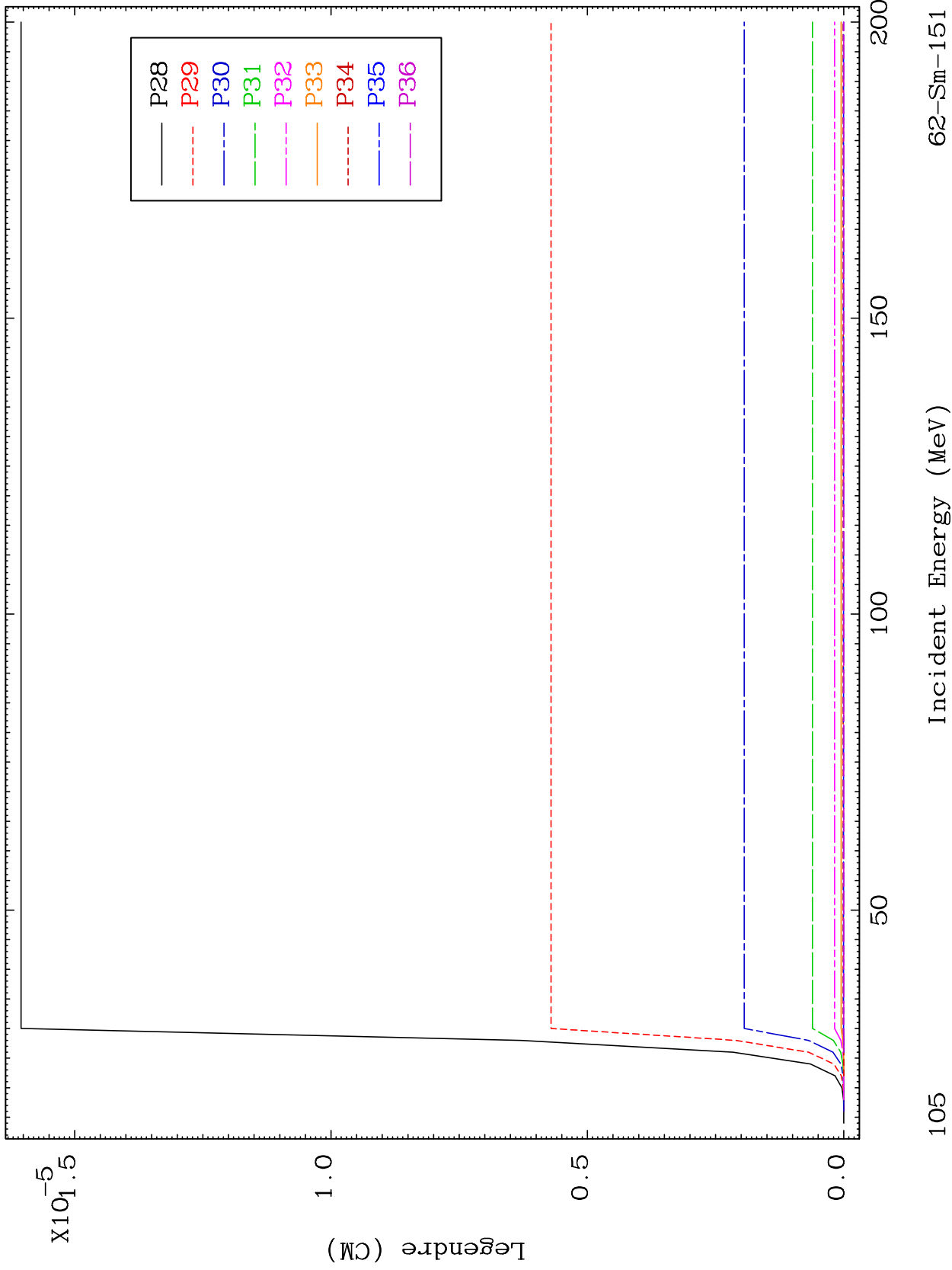
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

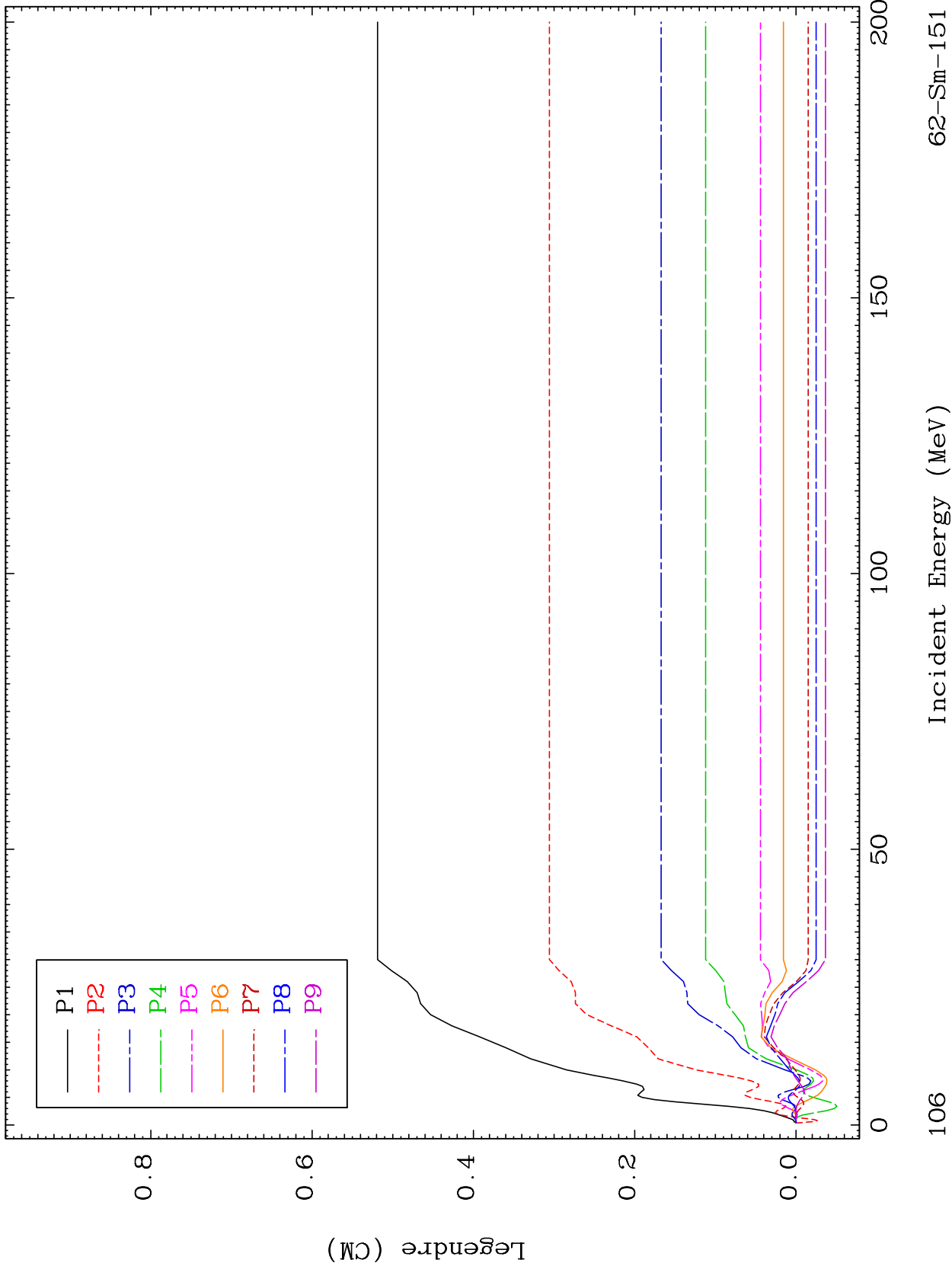
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

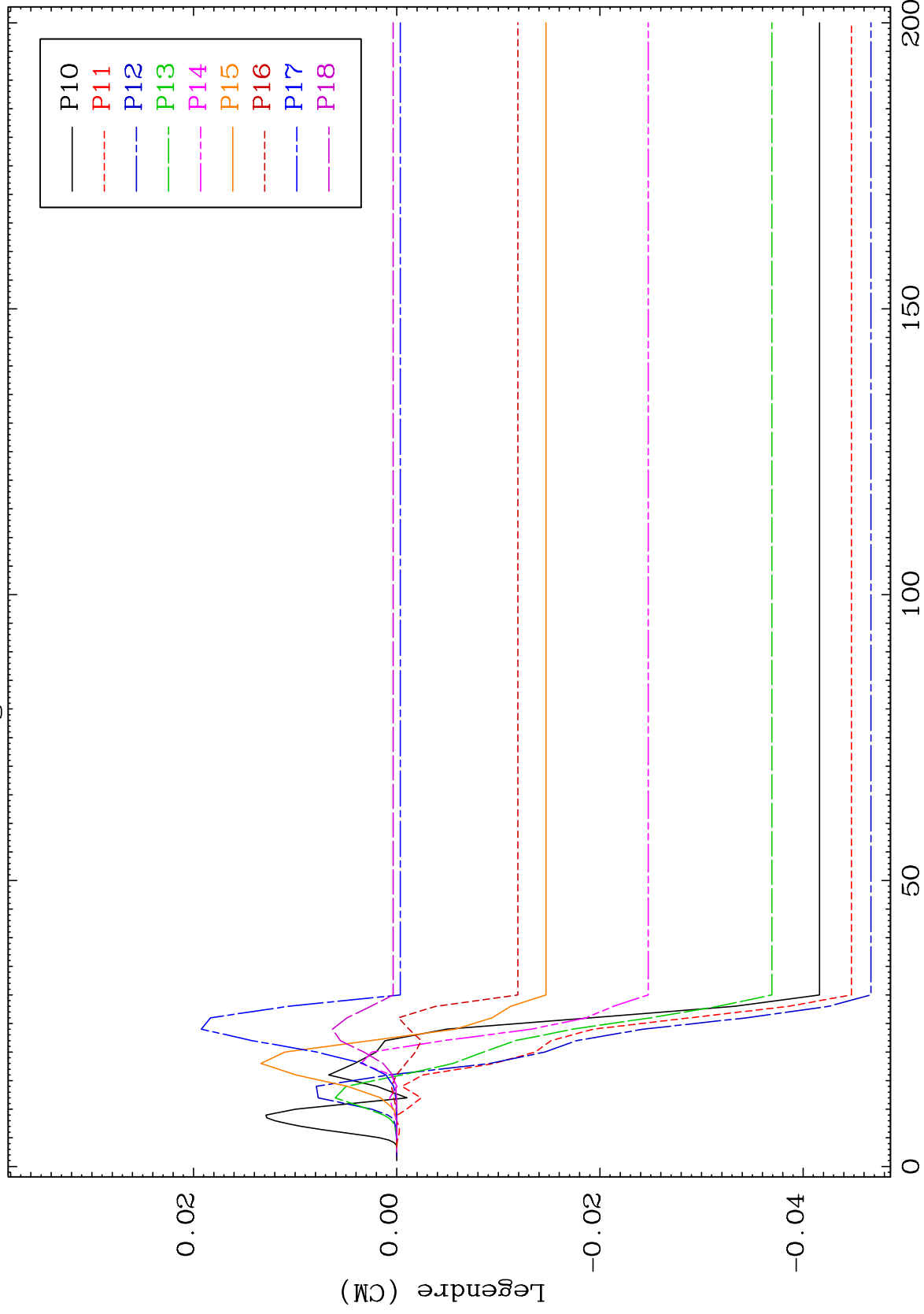
Incident Energy (MeV)

106

MAT 6246

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

62-Sm-151



107

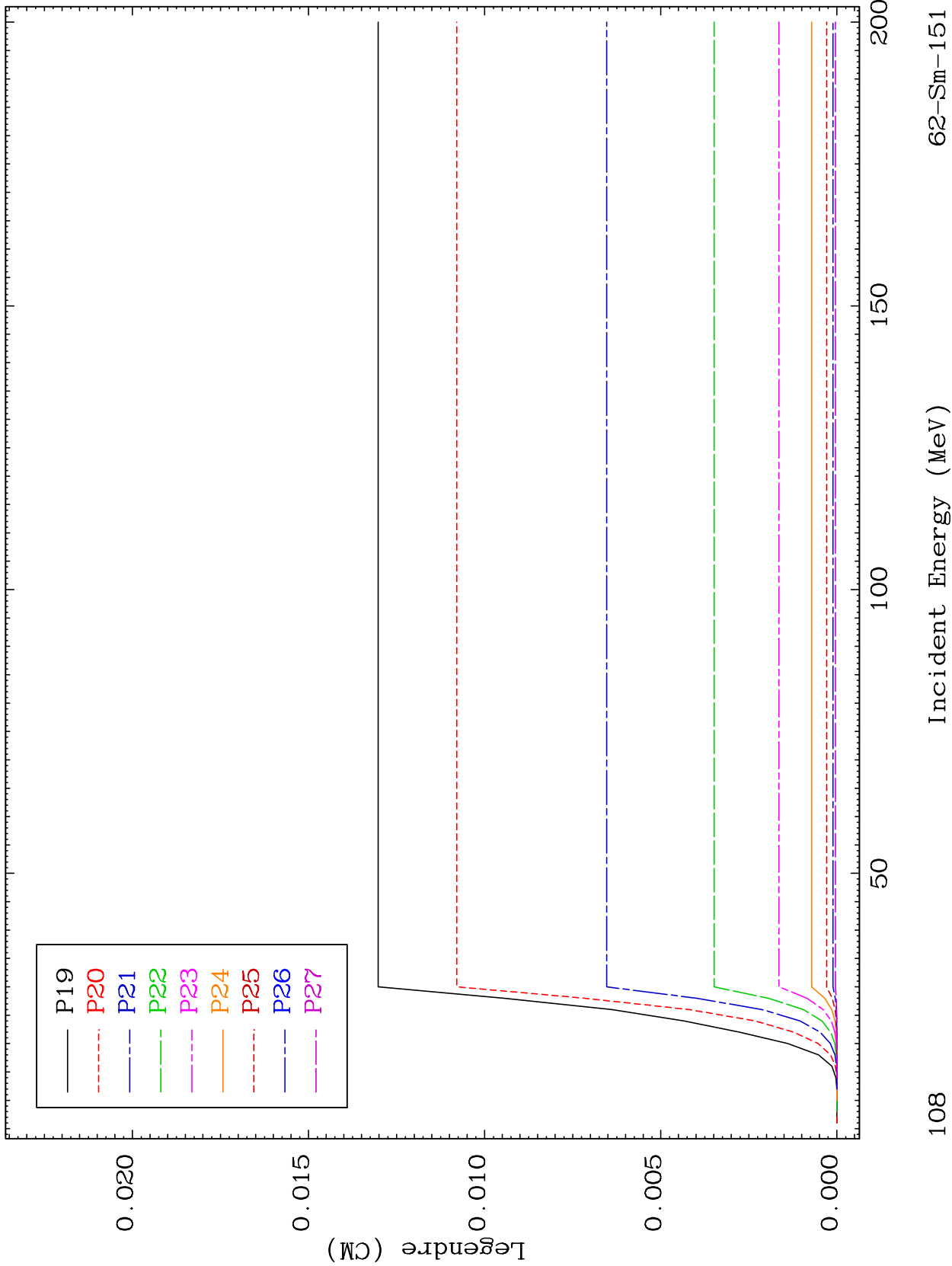
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



108

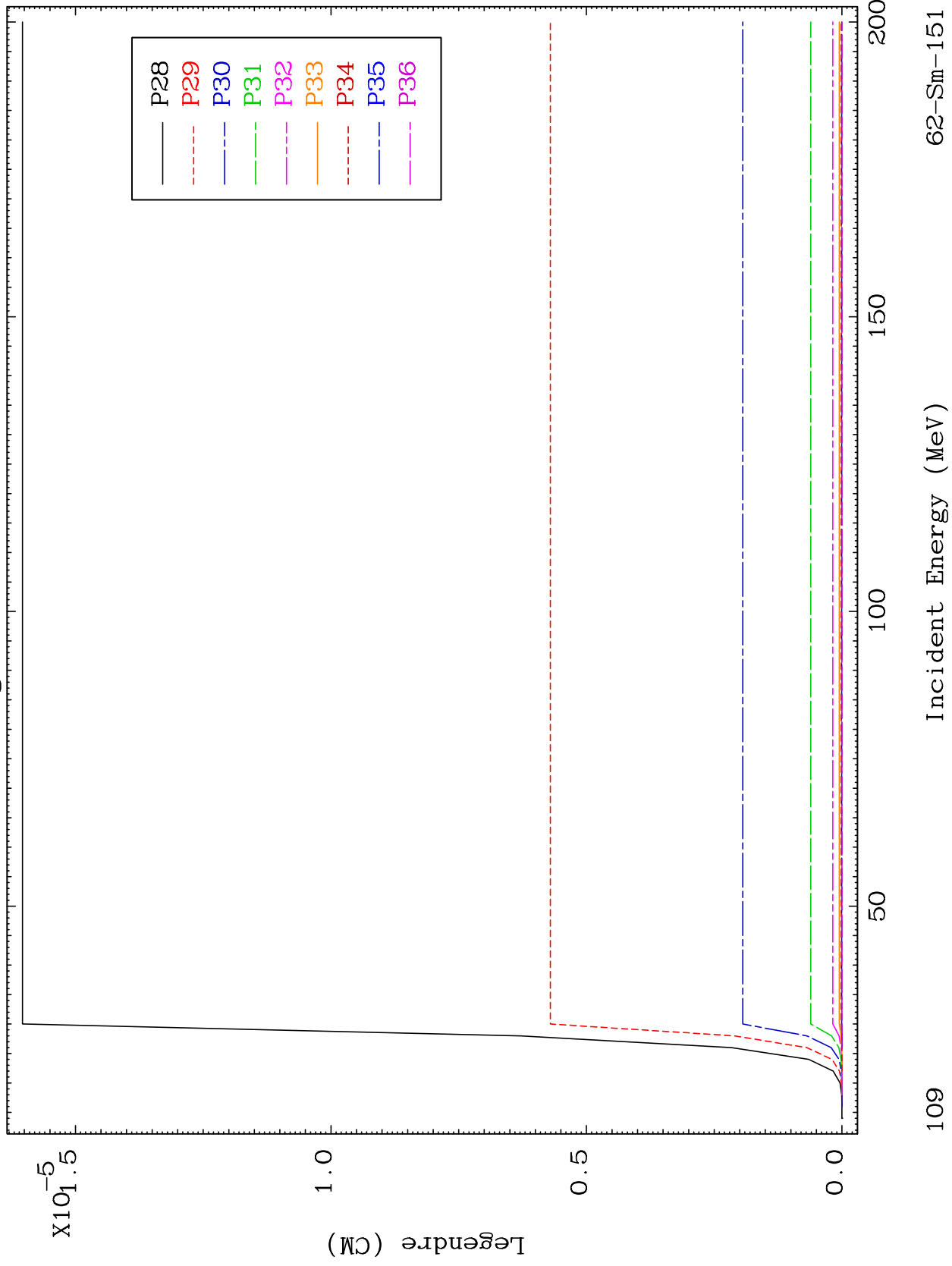
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



109

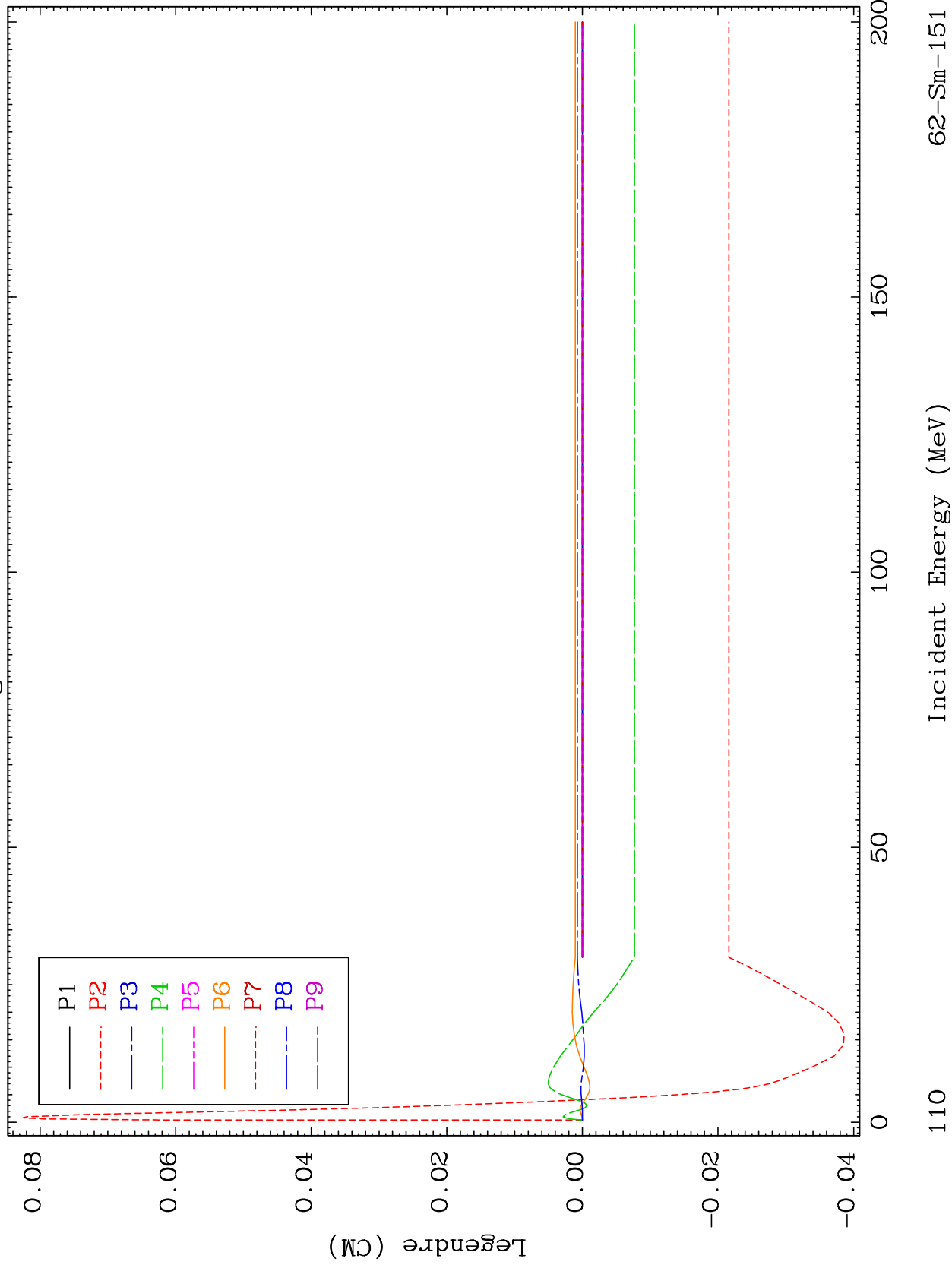
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

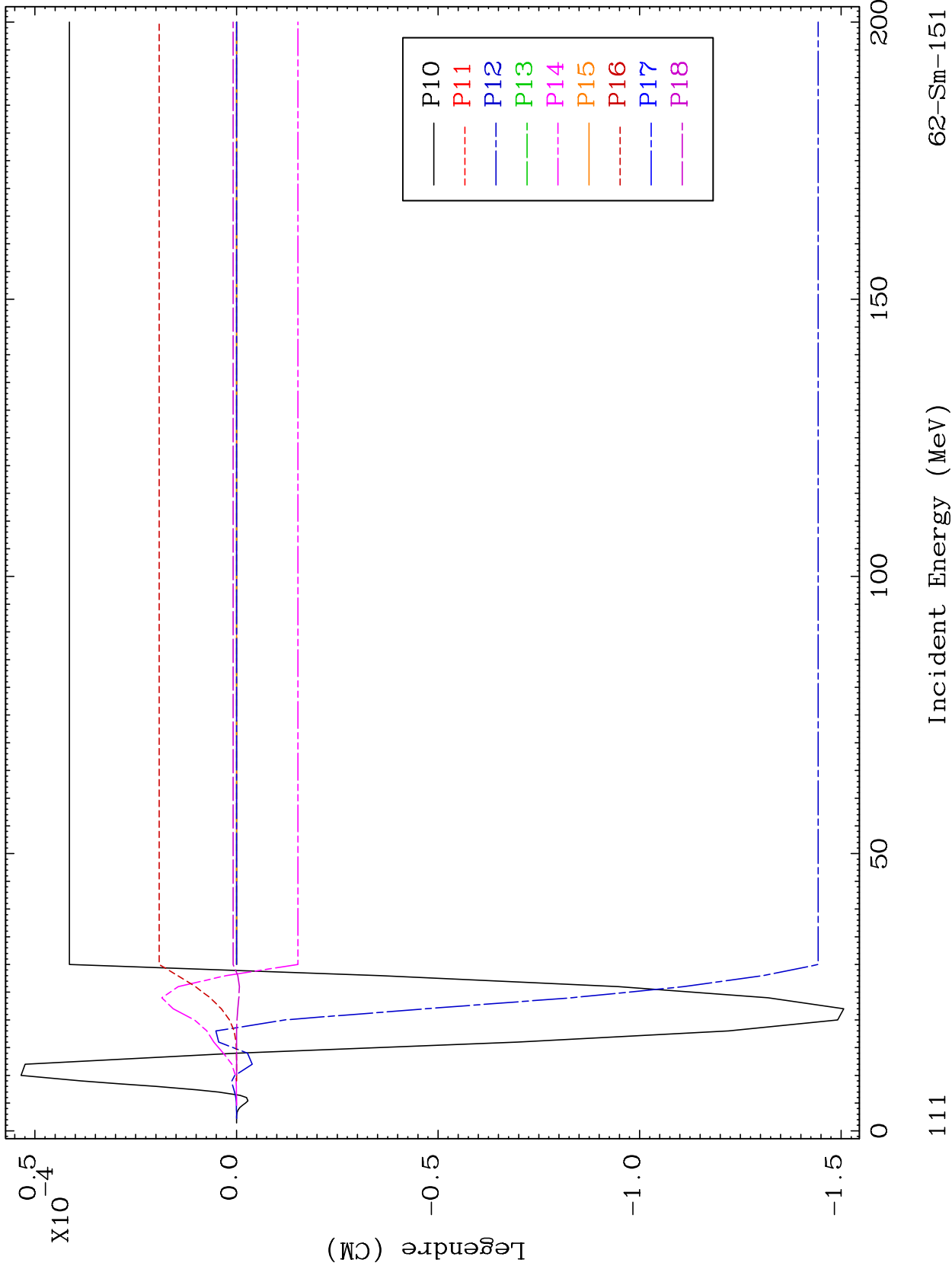
62-Sm-151

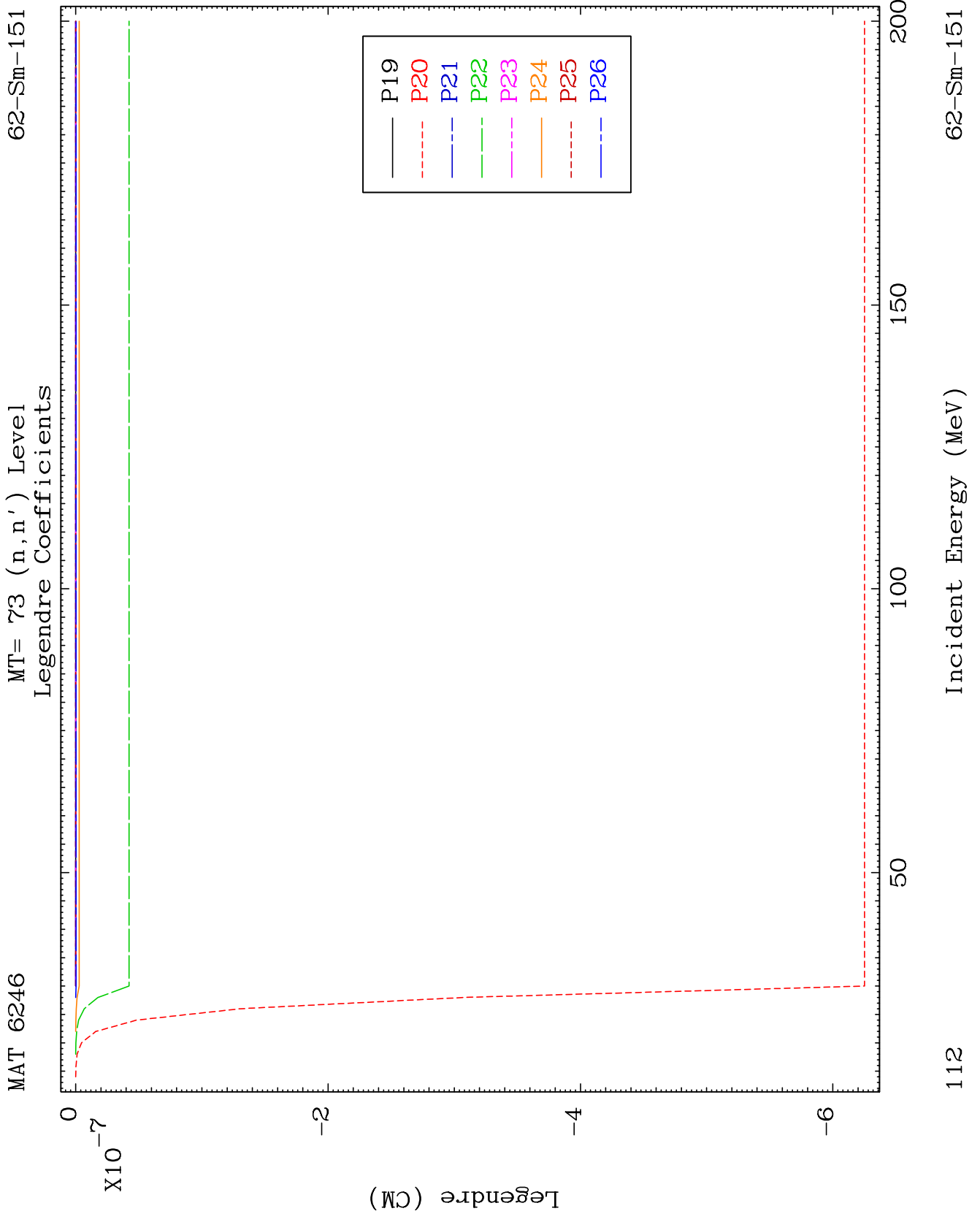


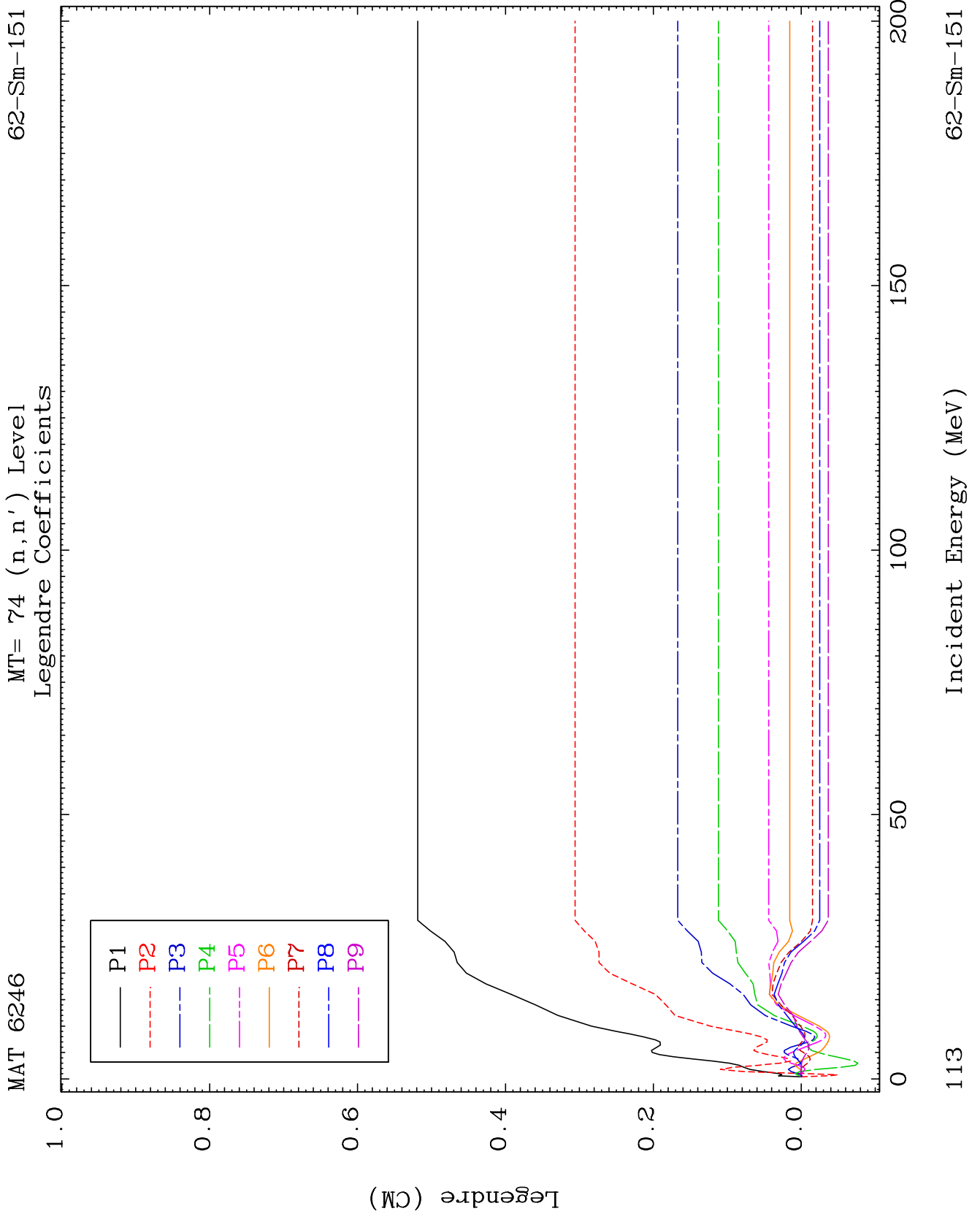
62-Sm-151

Incident Energy (MeV)

110



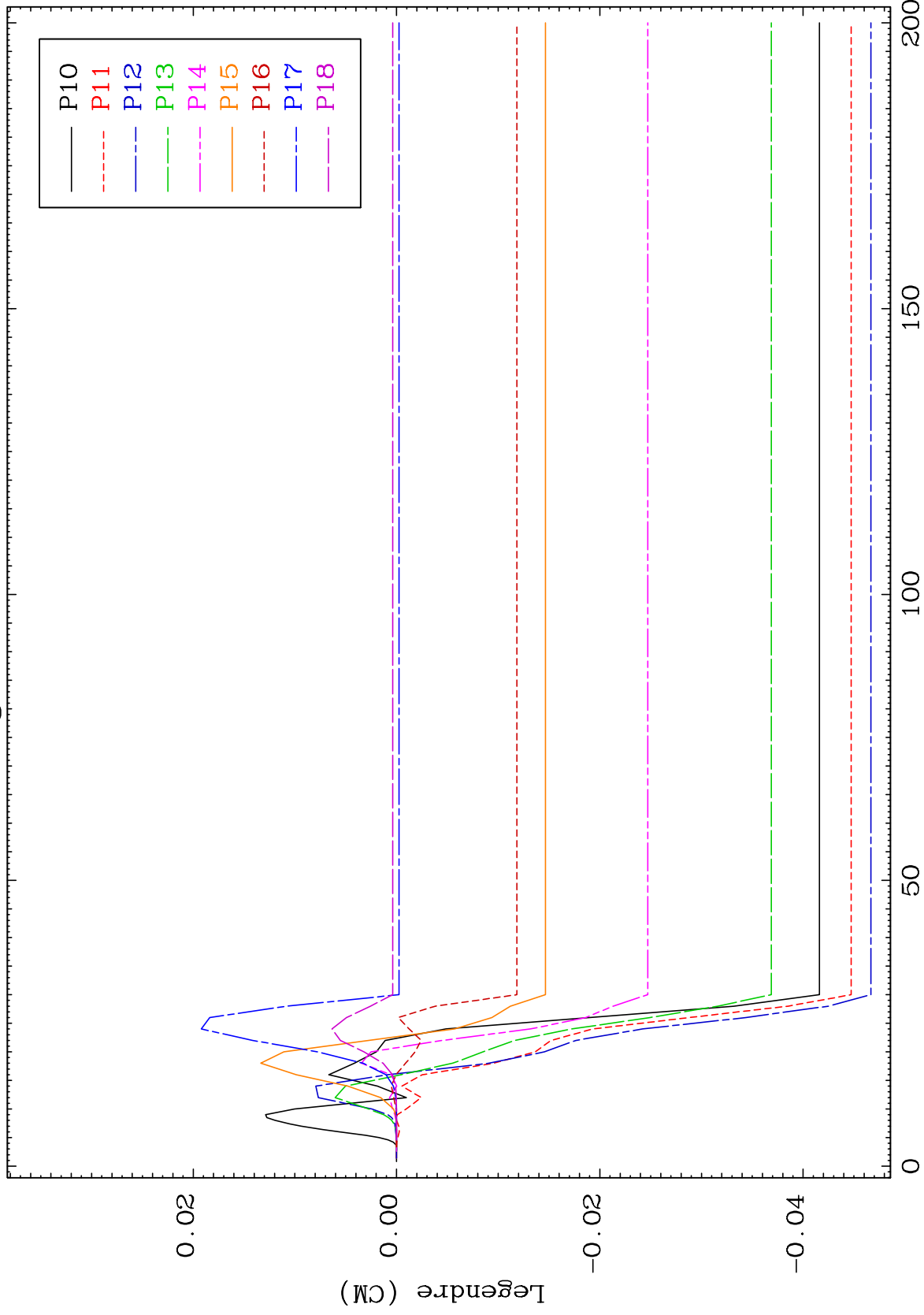




MAT 6246

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

62-Sm-151



114

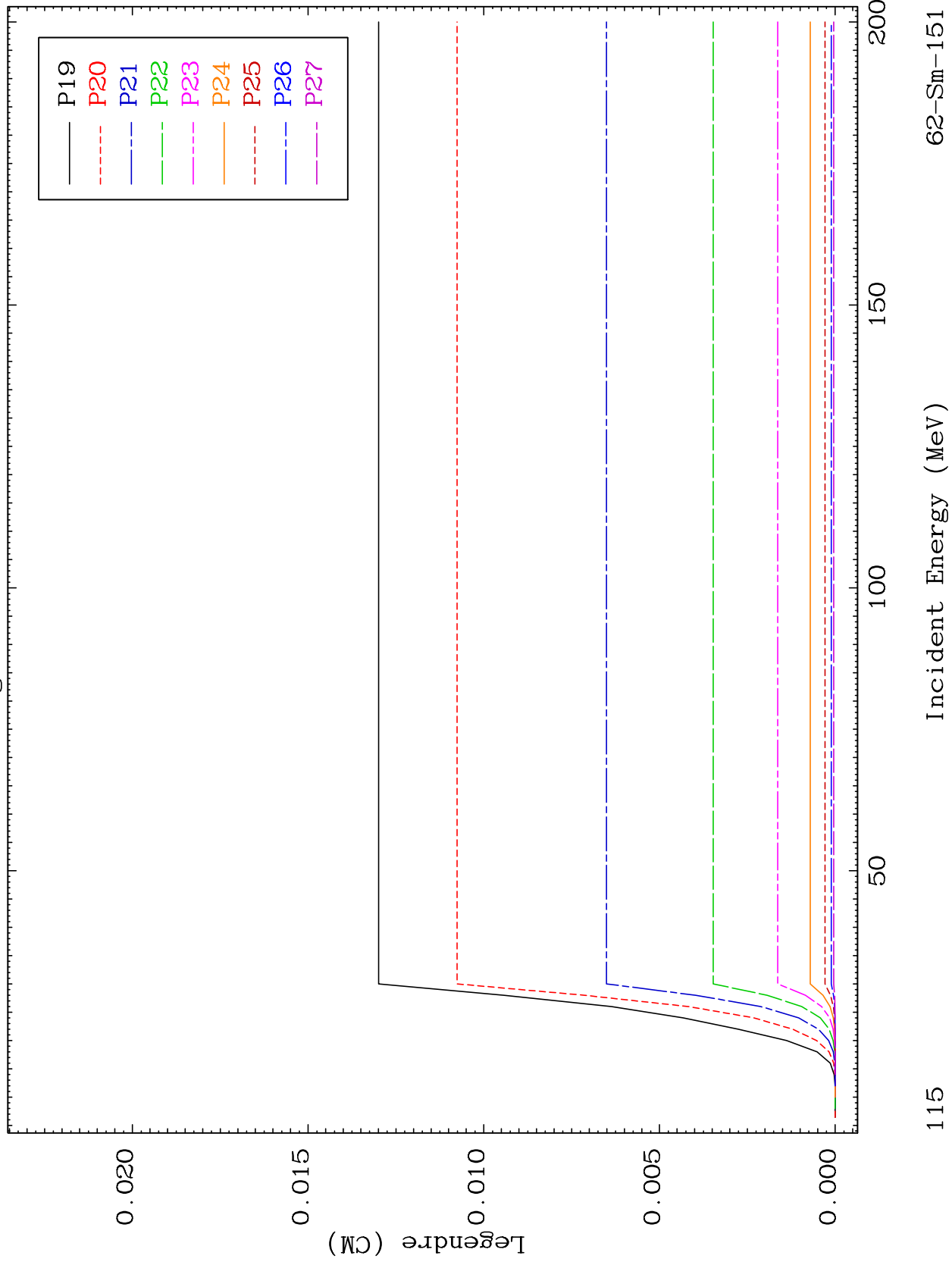
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



115

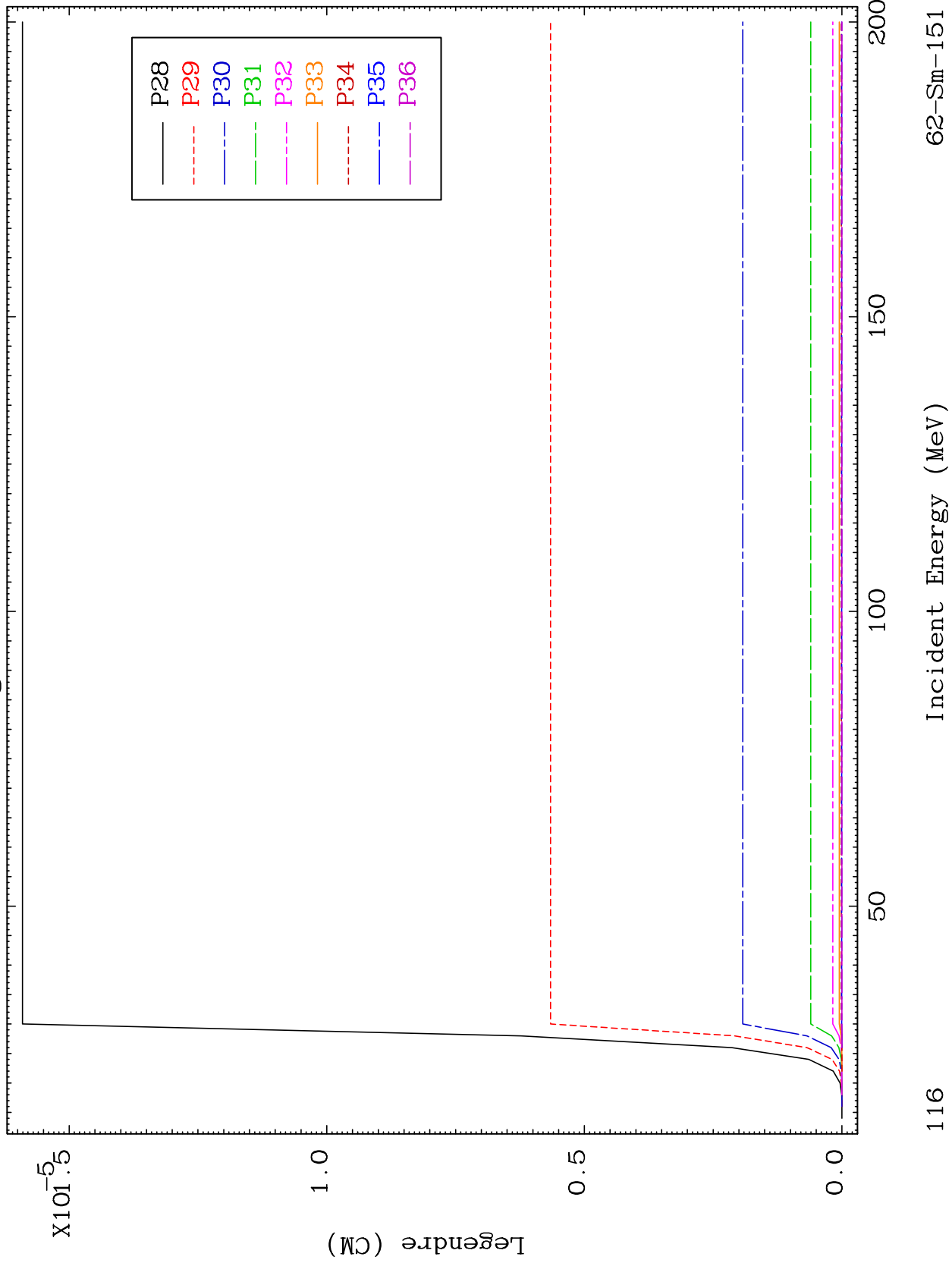
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

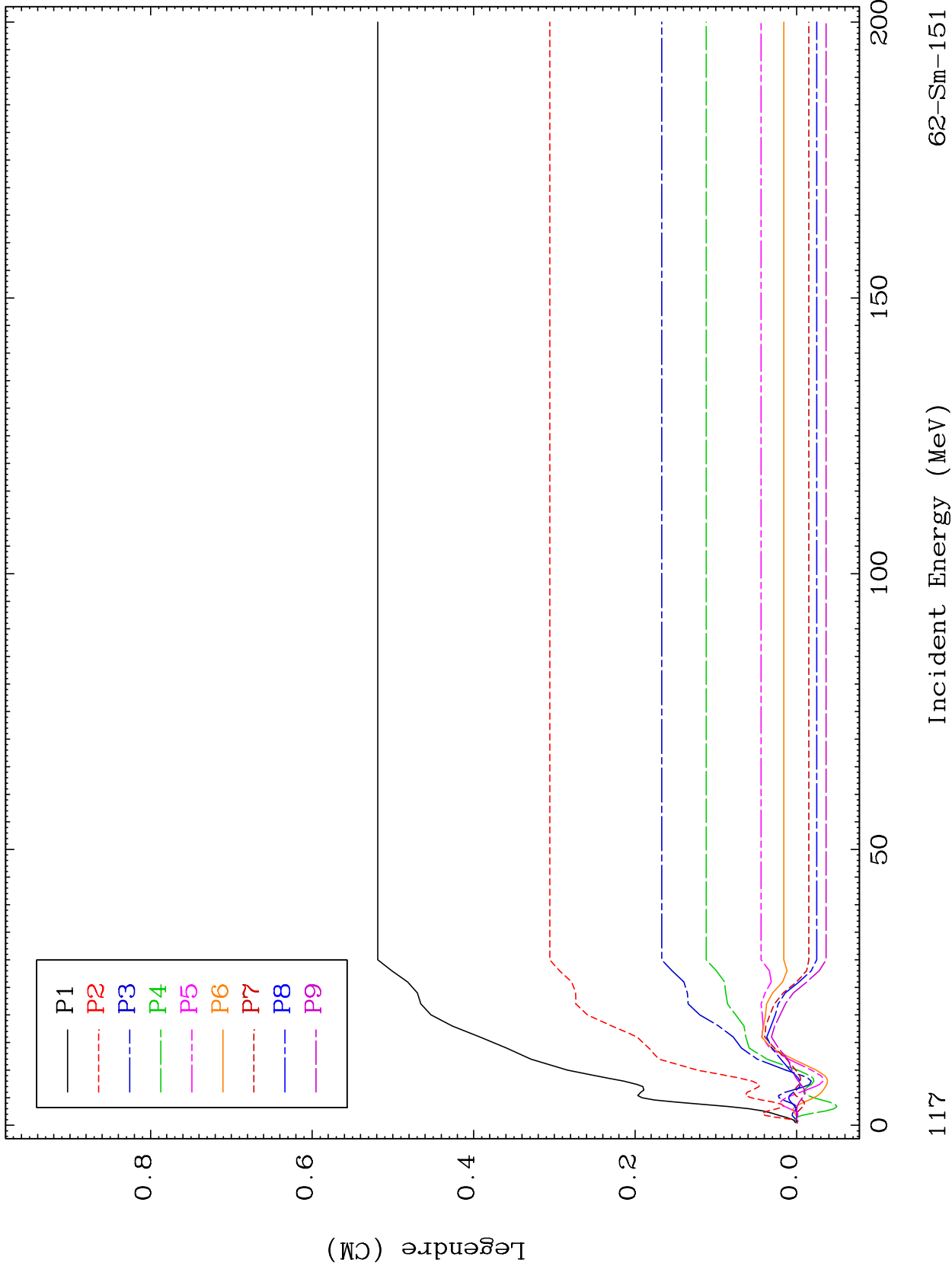
62-Sm-151



MAT 6246

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

62-Sm-151

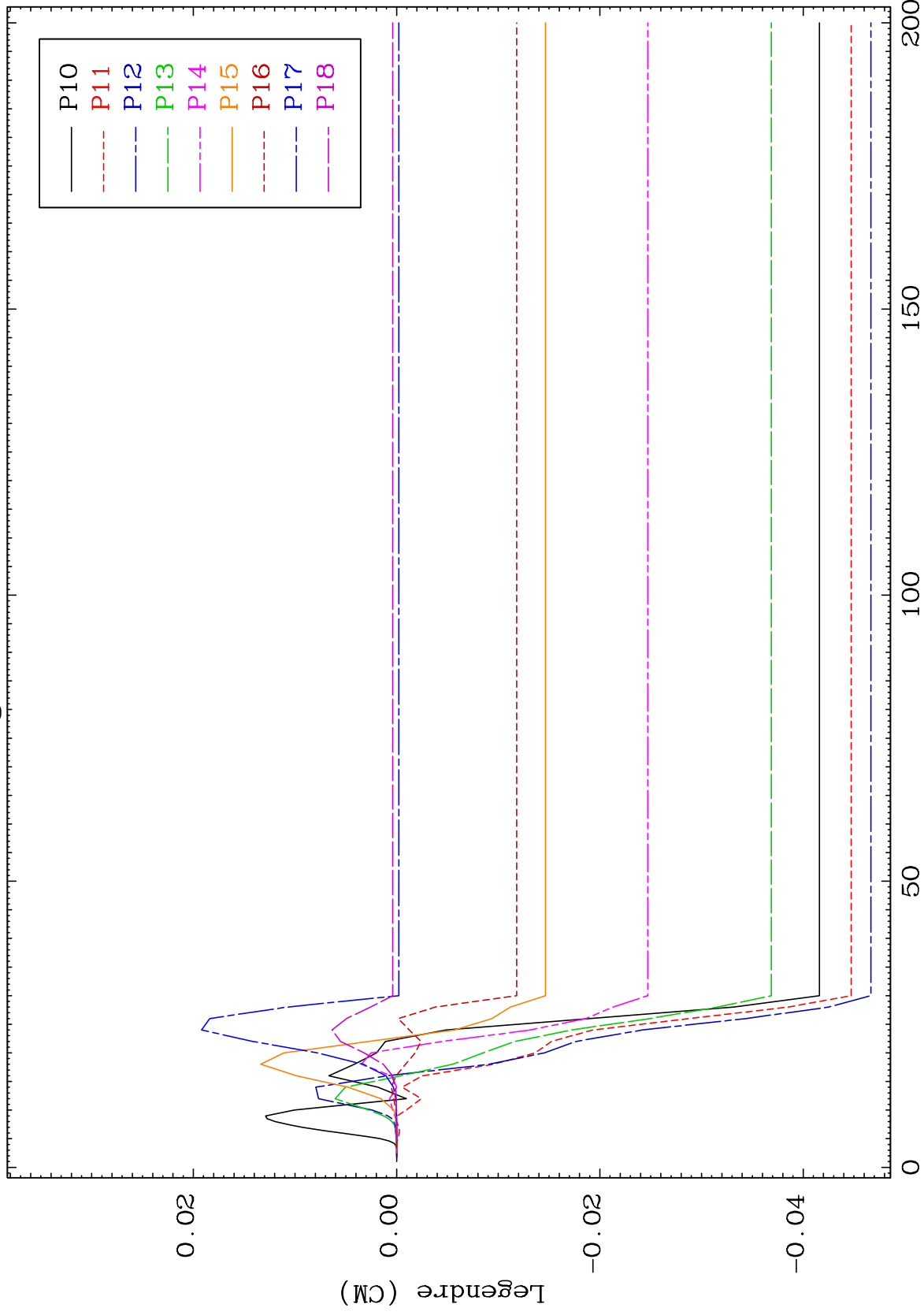


117

MAT 6246

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

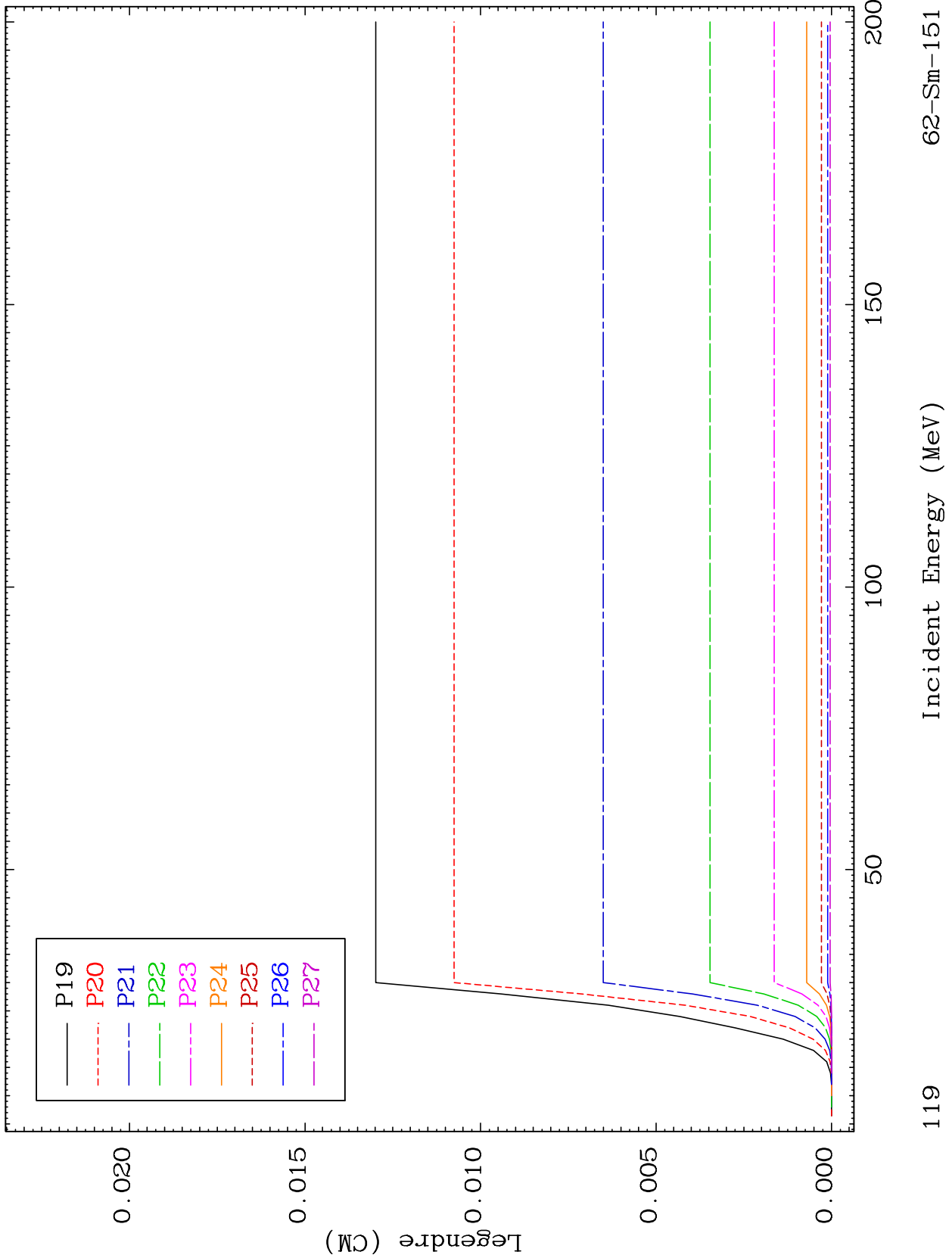
62-Sm-151



118

Incident Energy (MeV)

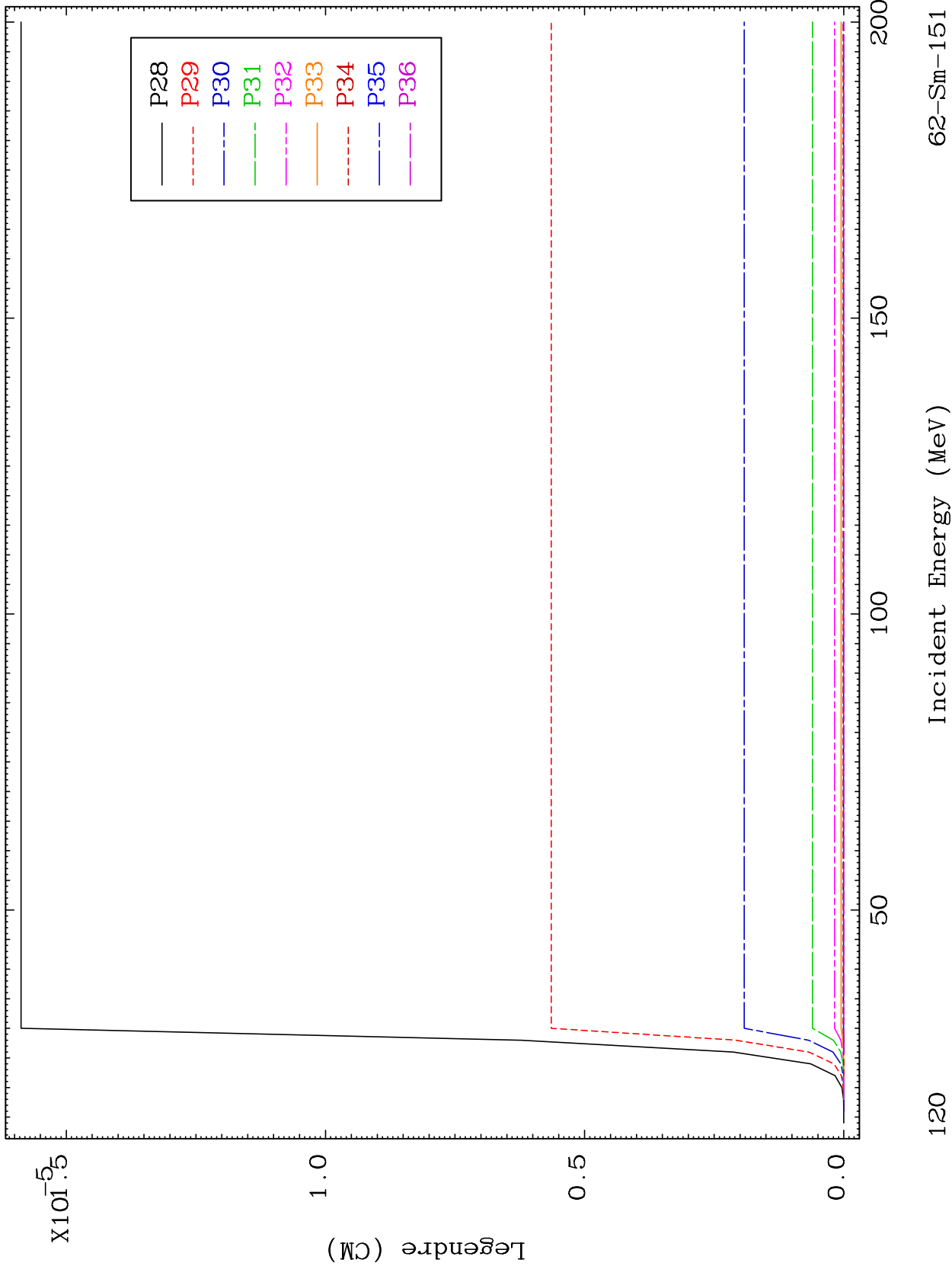
62-Sm-151



MAT 6246

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

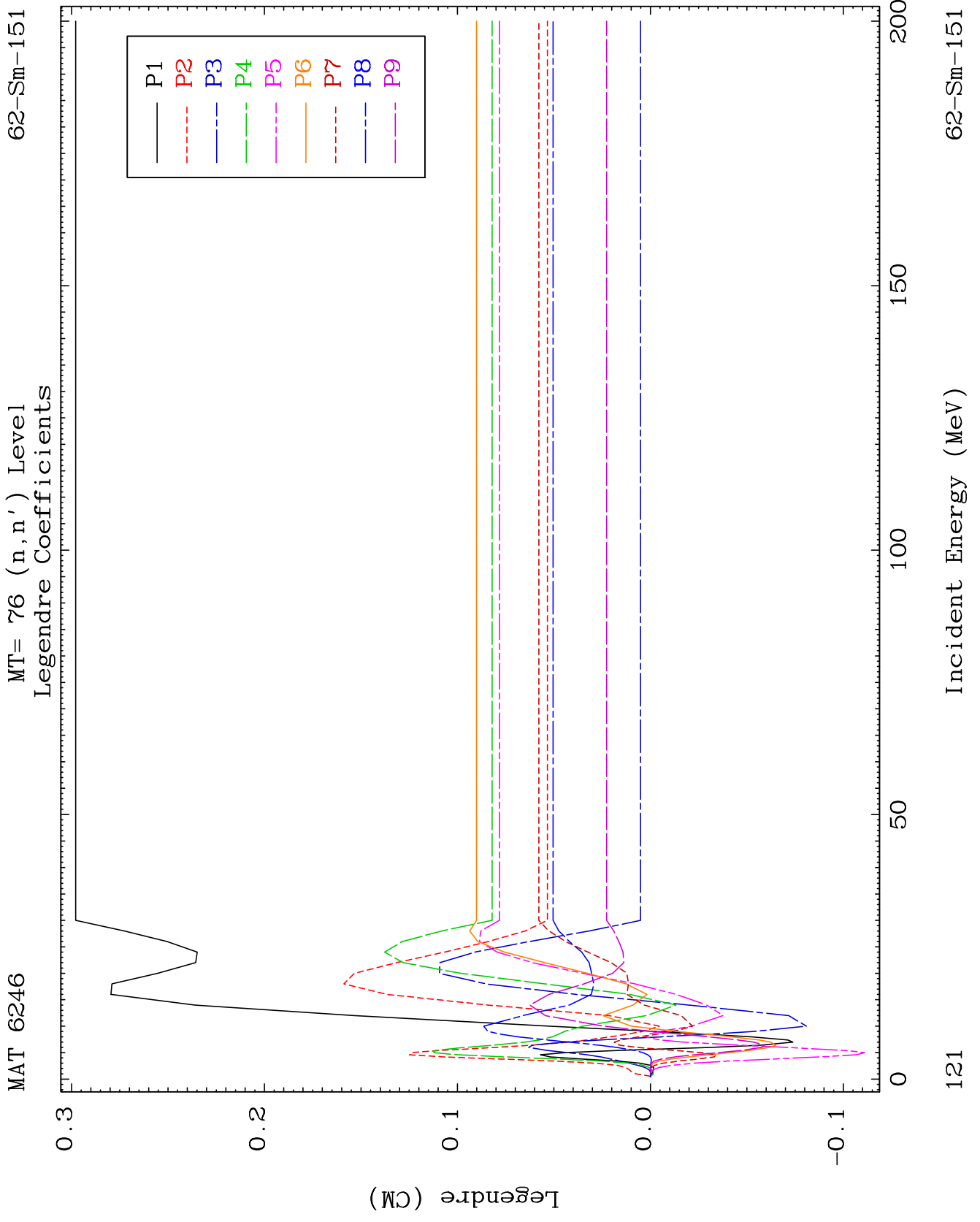
62-Sm-151



120

Incident Energy (MeV)

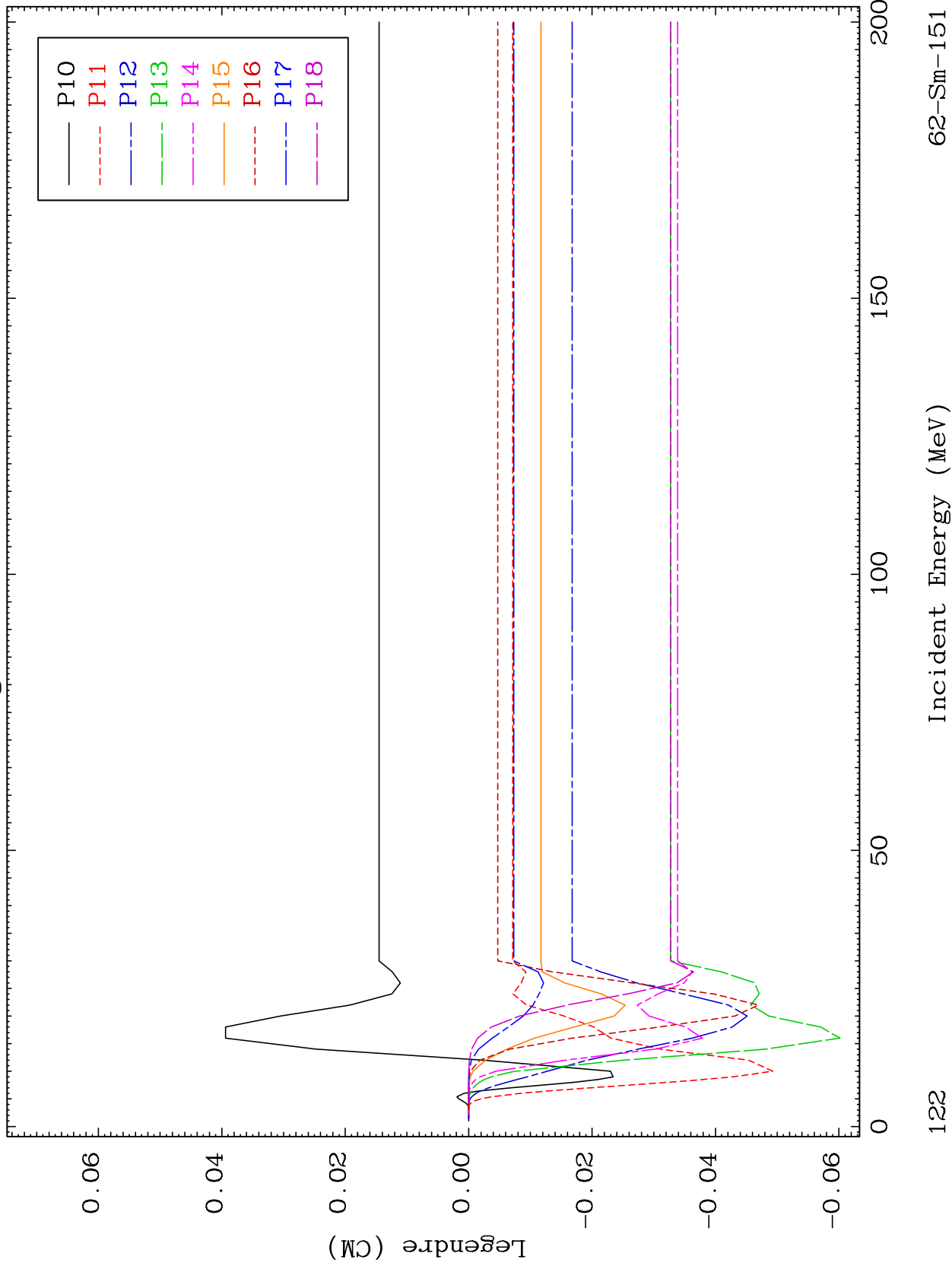
62-Sm-151



MAT 6246

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

62-Sm-151



62-Sm-151

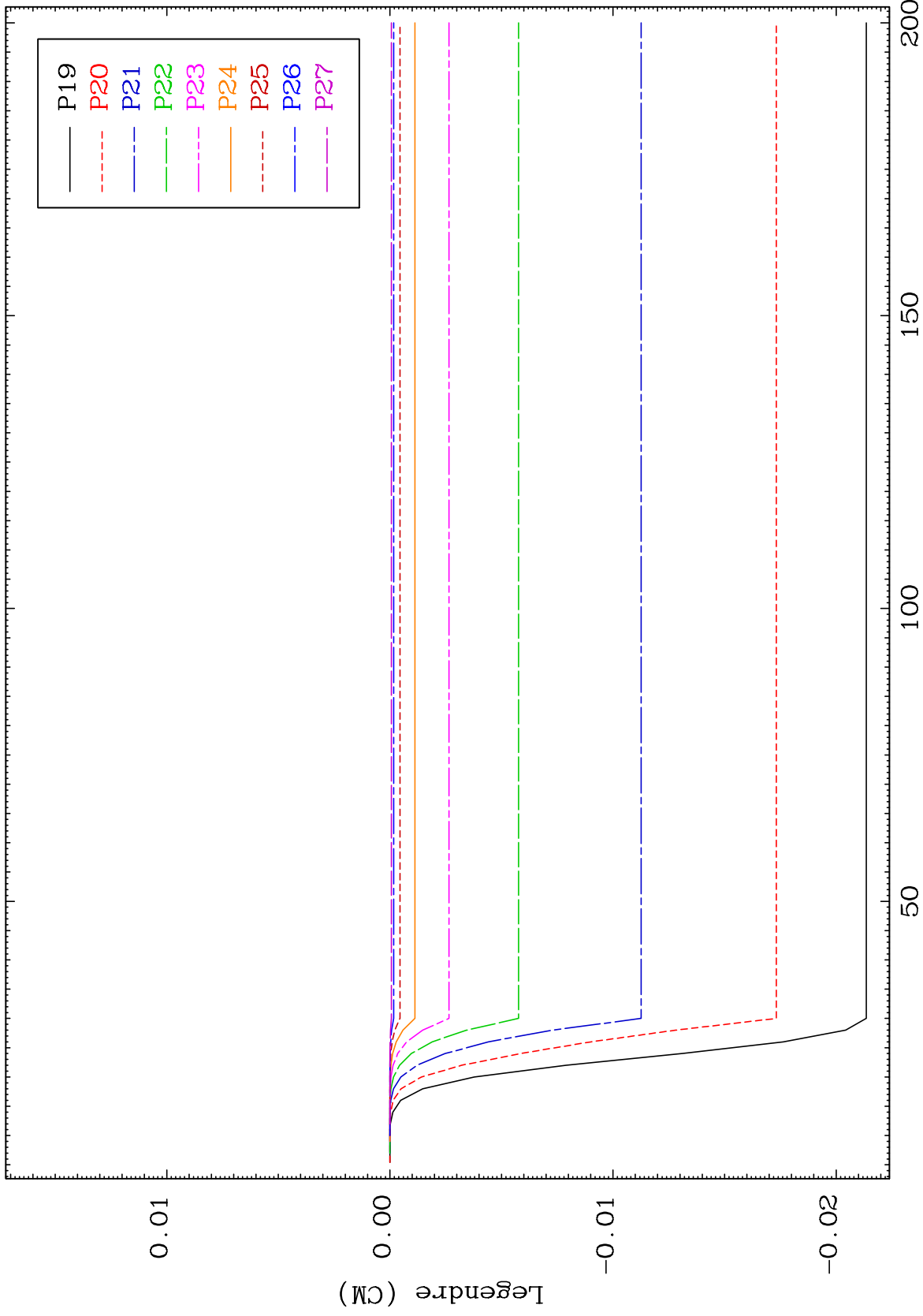
Incident Energy (MeV)

122

MAT 6246

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

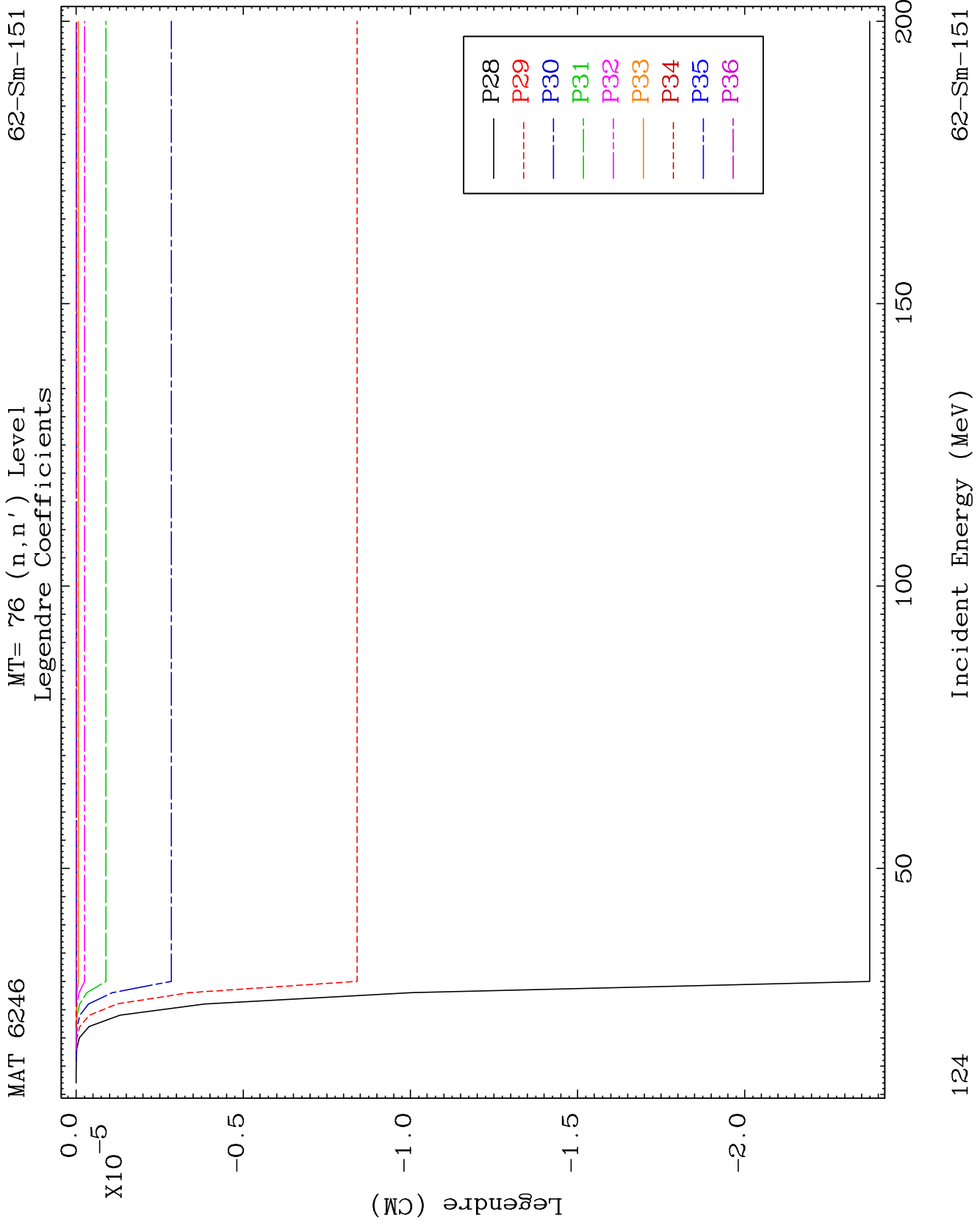
62-Sm-151



123

Incident Energy (MeV)

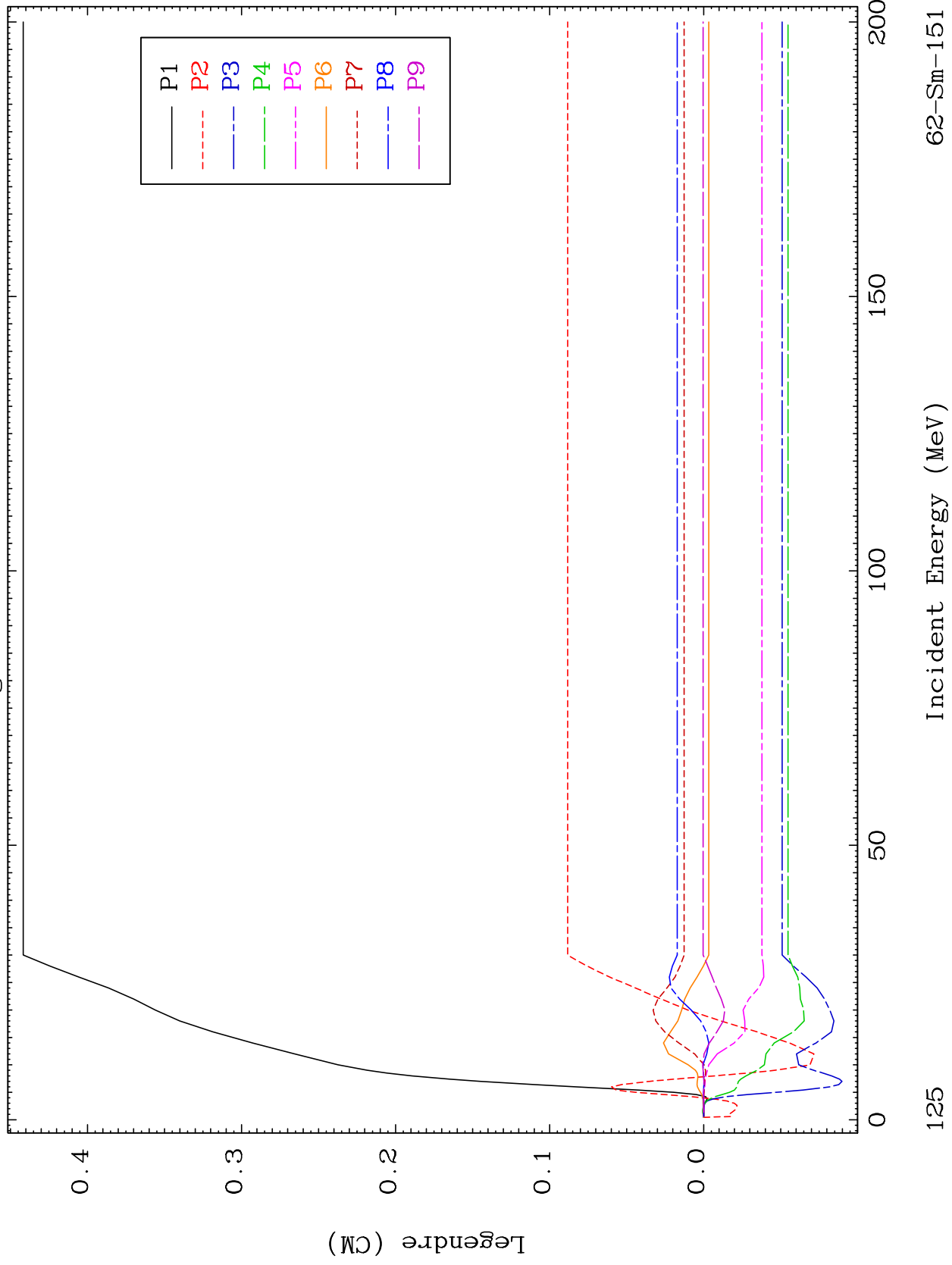
62-Sm-151



MAT 6246

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

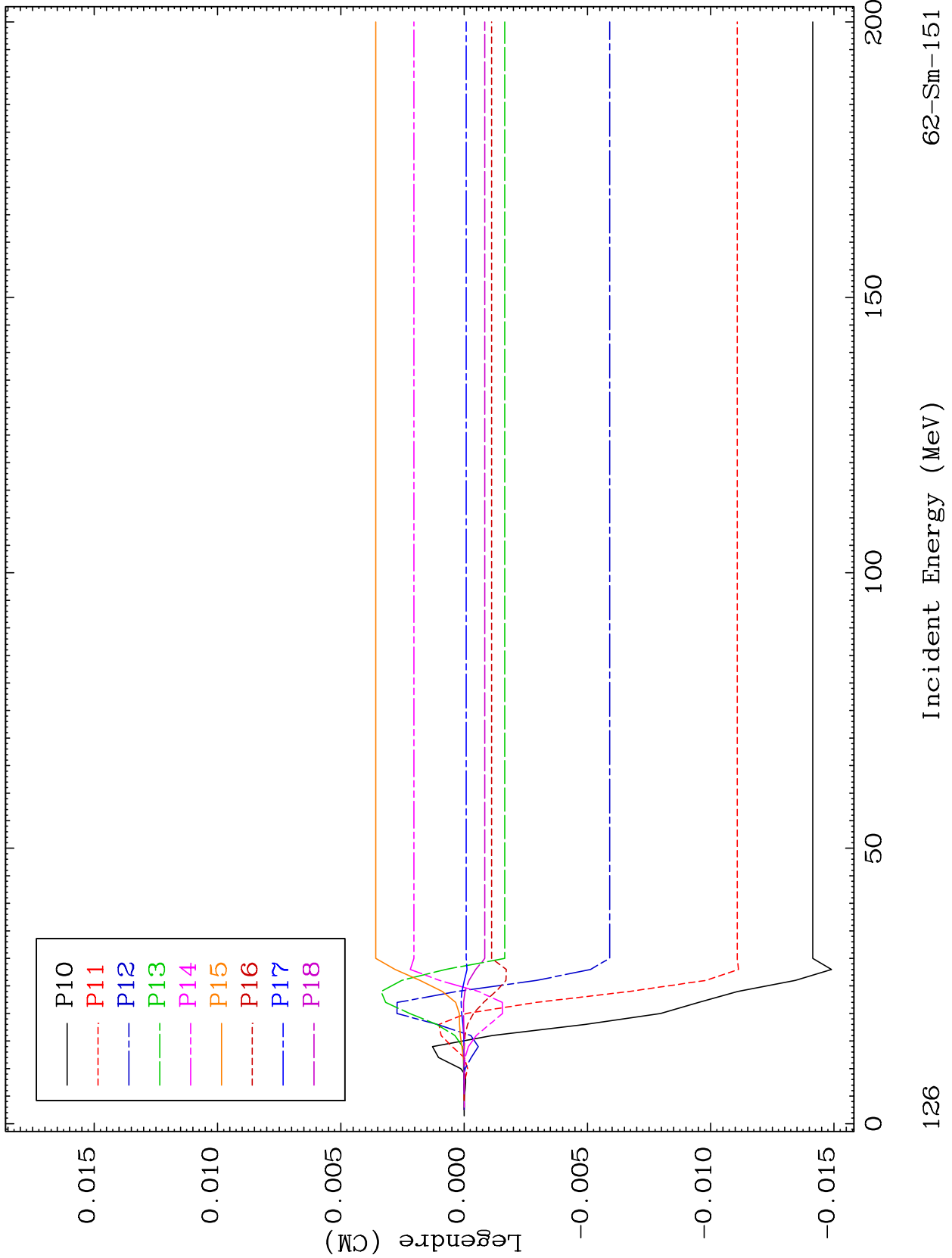
62-Sm-151



62-Sm-151

Incident Energy (MeV)

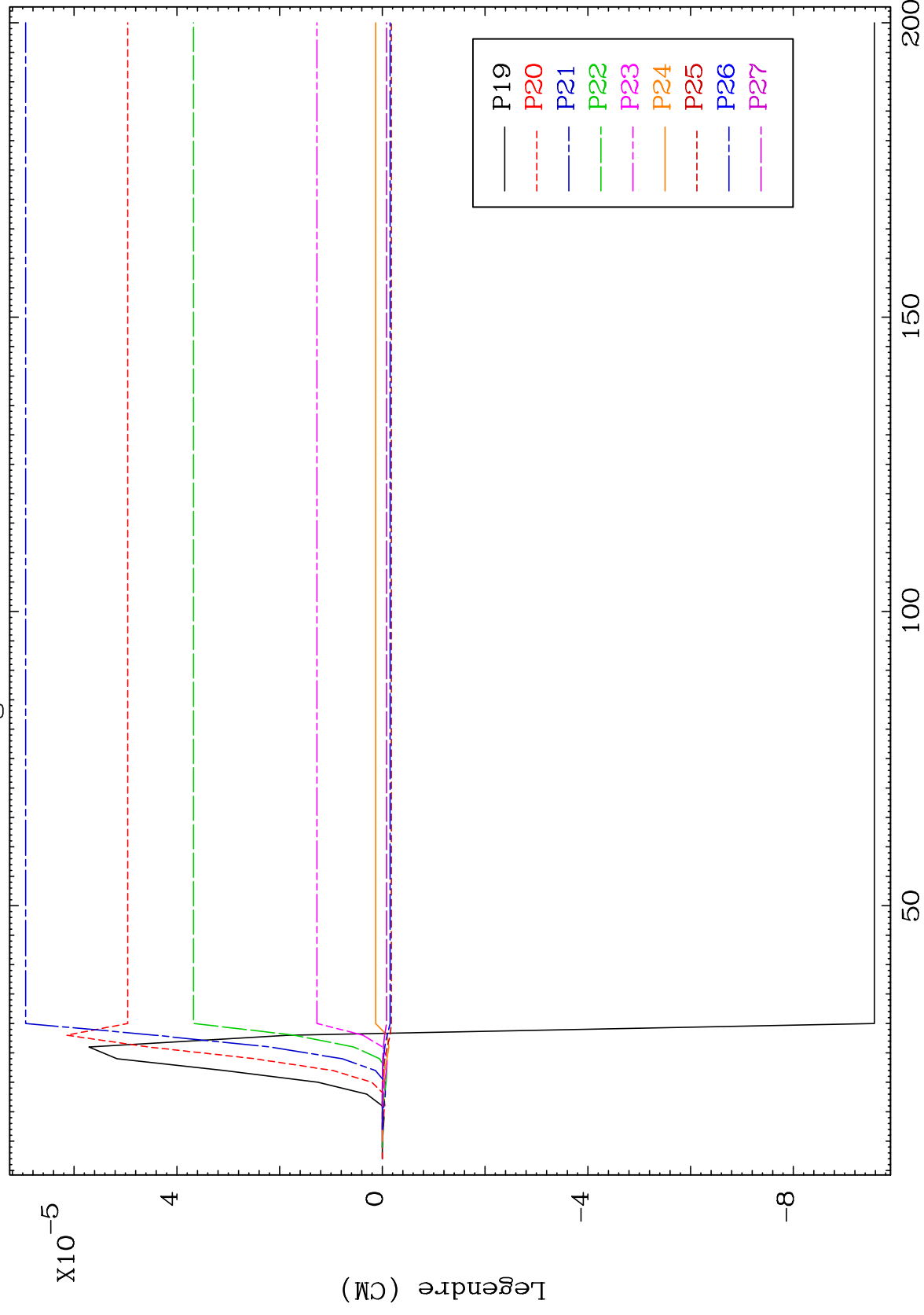
125



MAT 6246

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

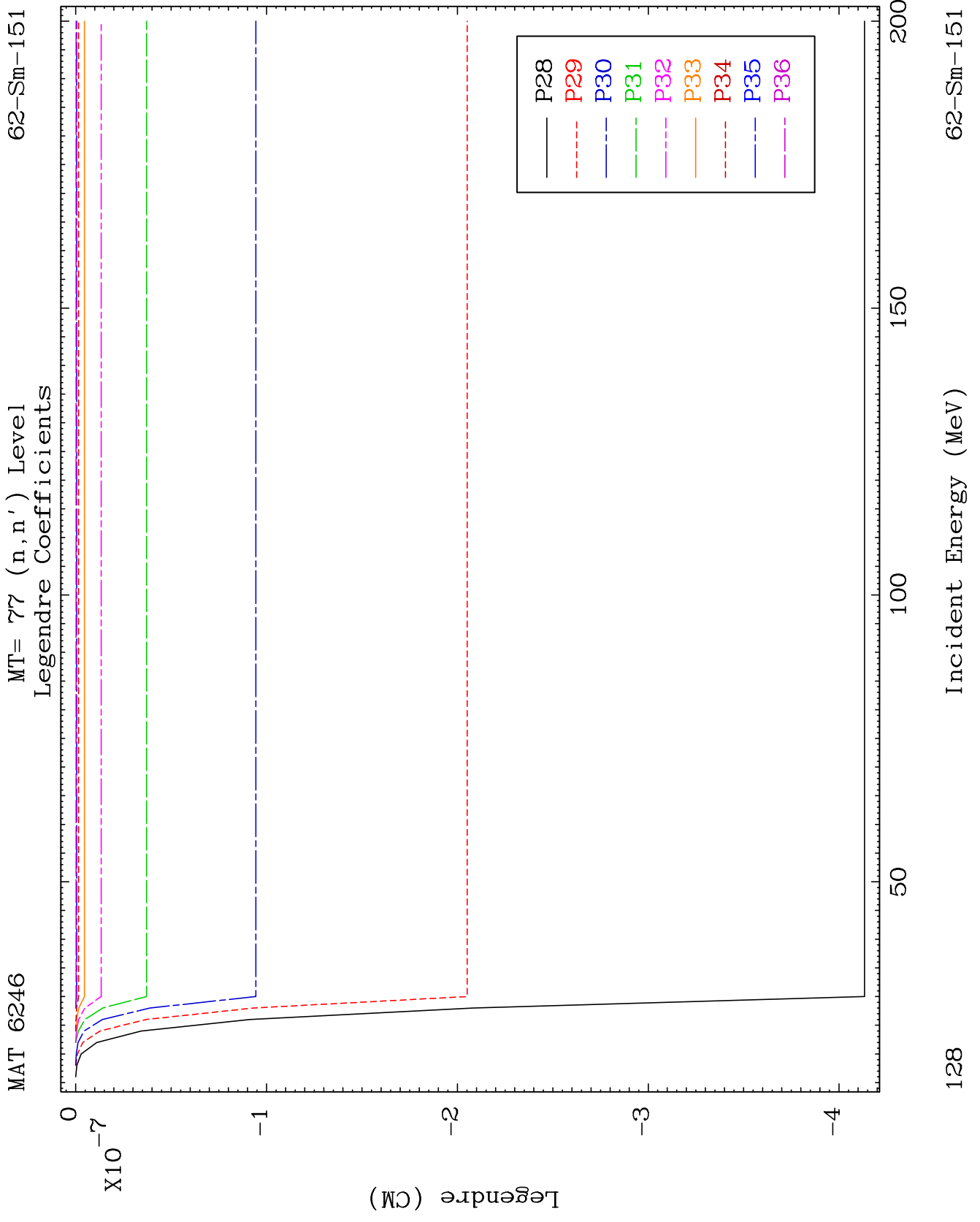
62-Sm-151



127

Incident Energy (MeV)

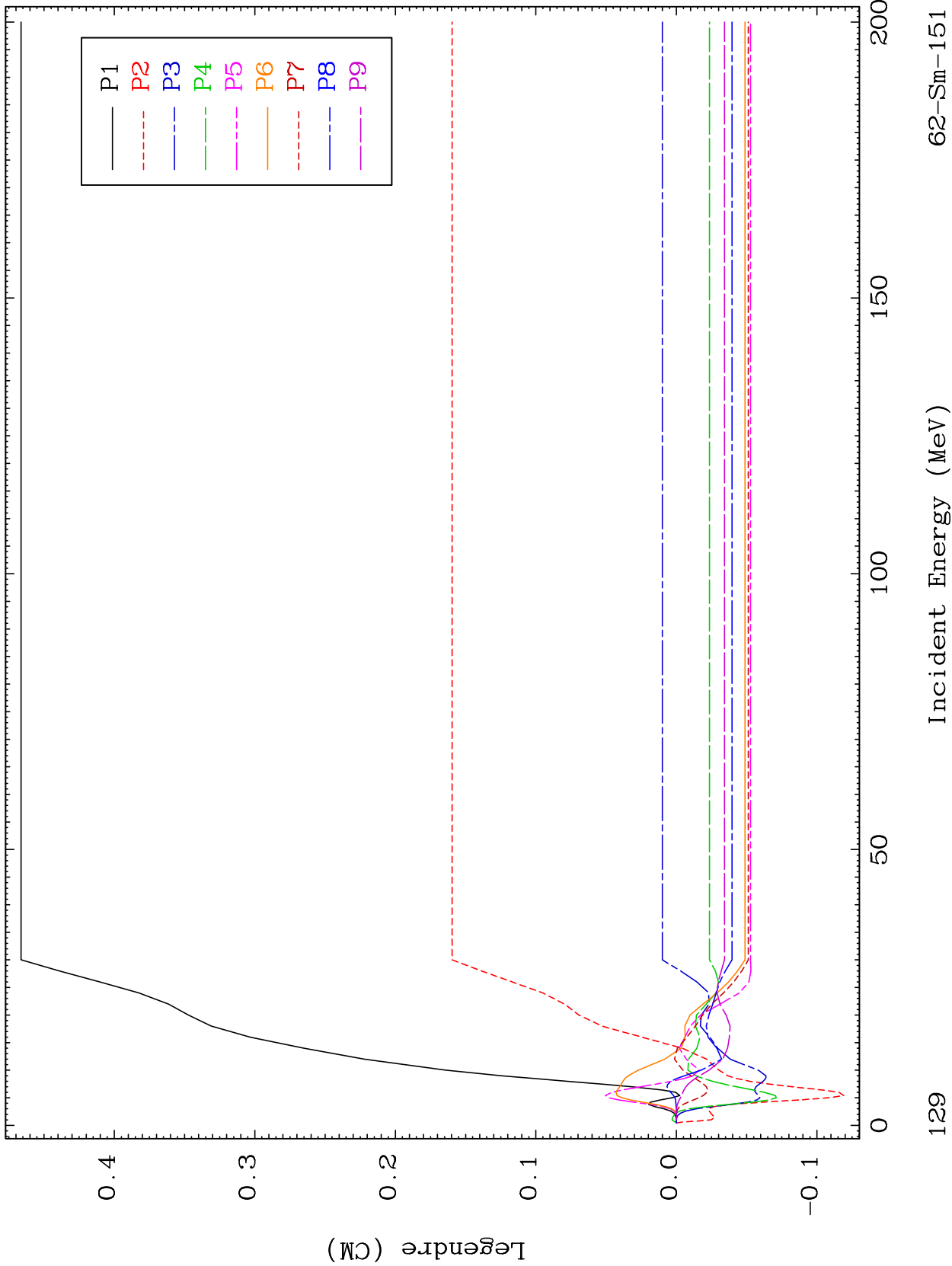
62-Sm-151



MAT 6246

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

62-Sm-151



129

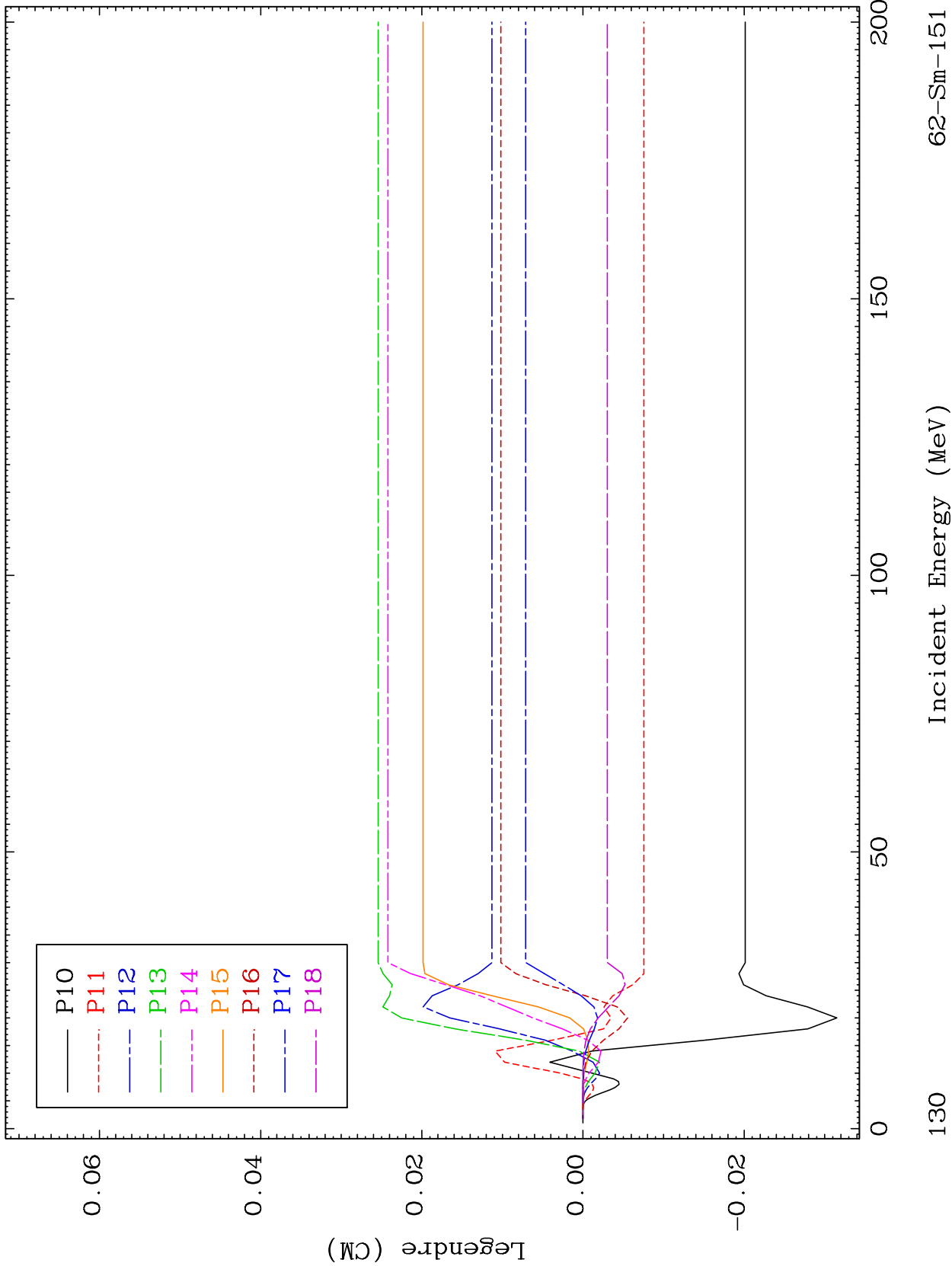
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



130

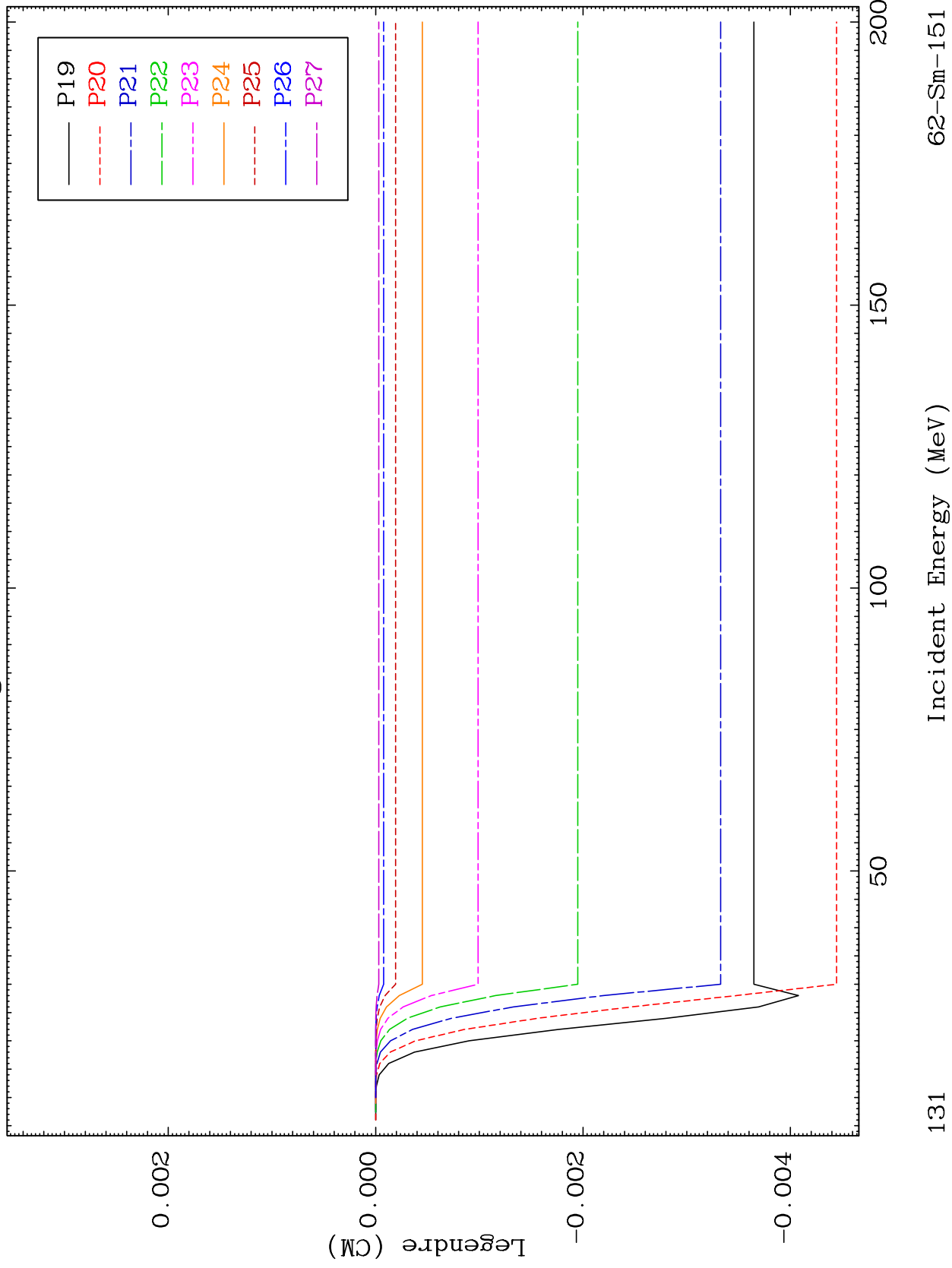
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

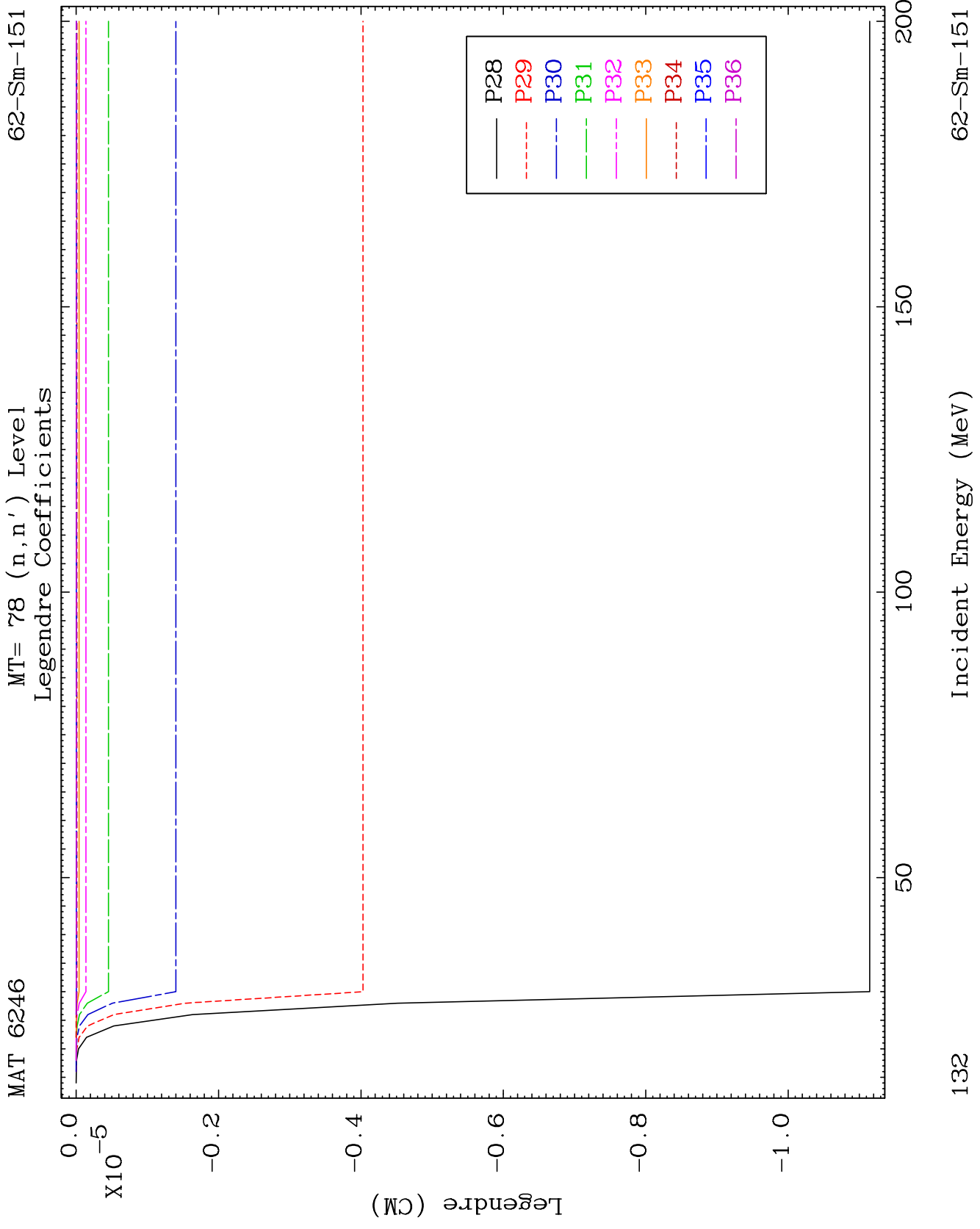
62-Sm-151



131

Incident Energy (MeV)

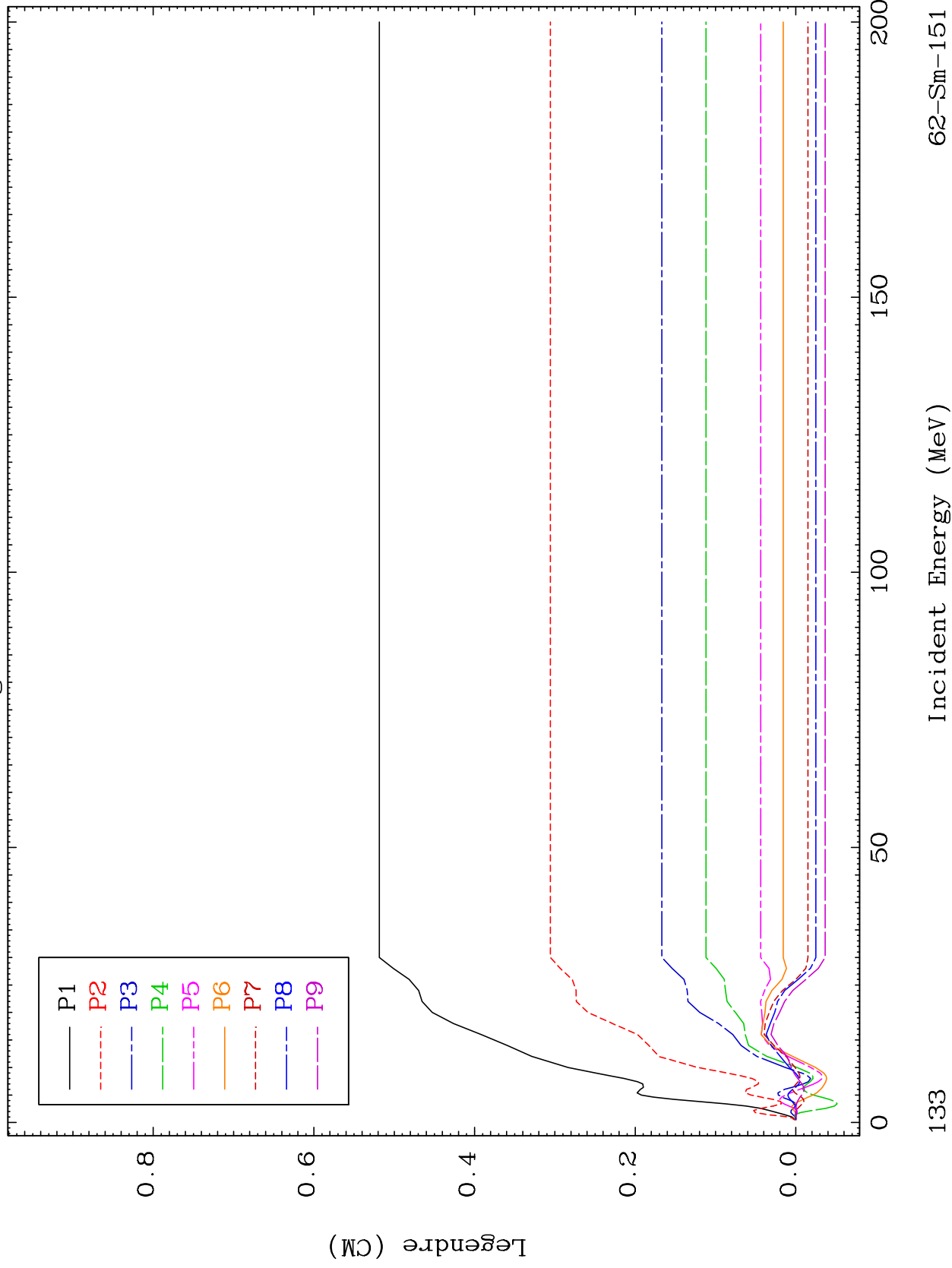
62-Sm-151



MAT 6246

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

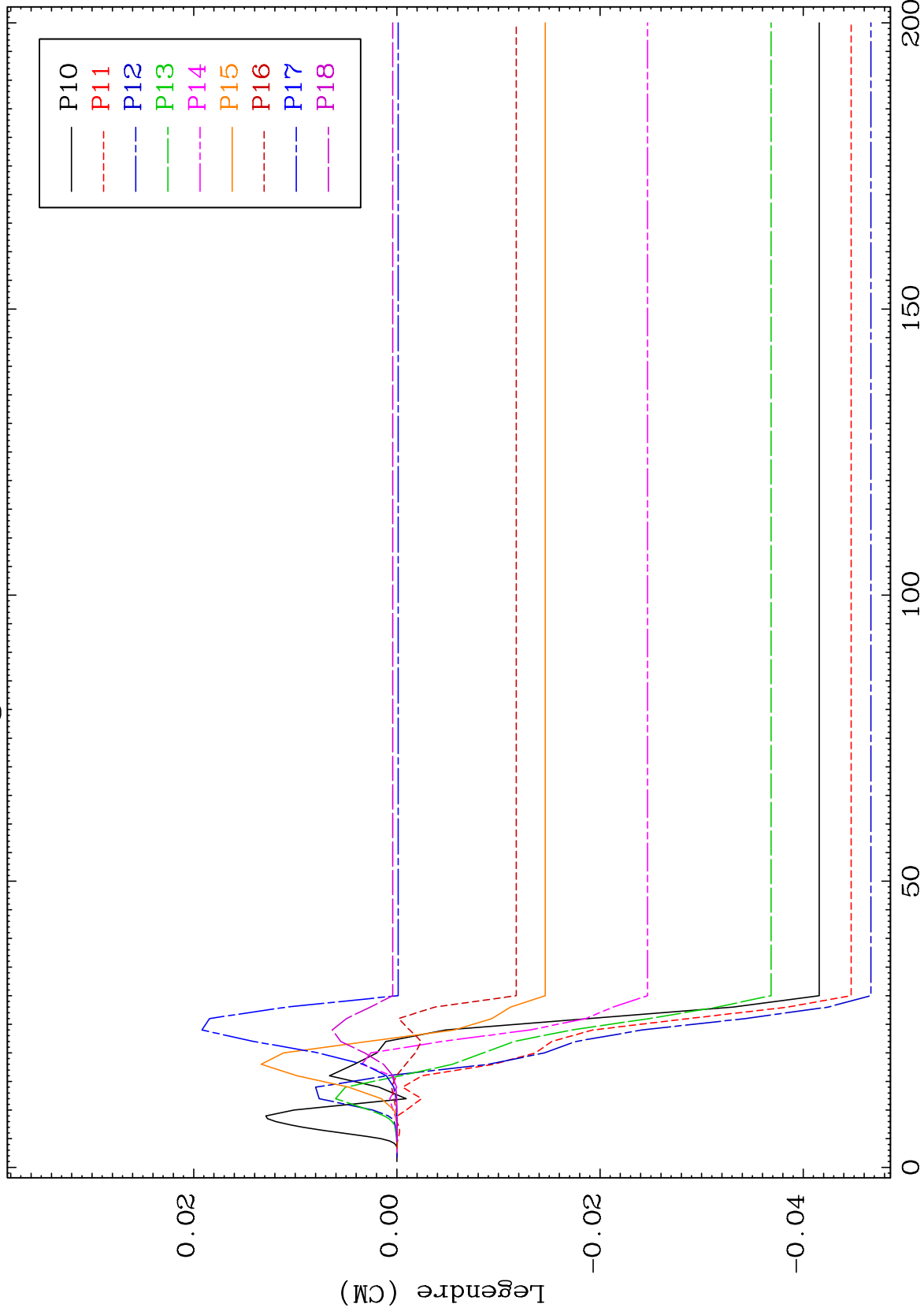
62-Sm-151



MAT 6246

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

62-Sm-151



134

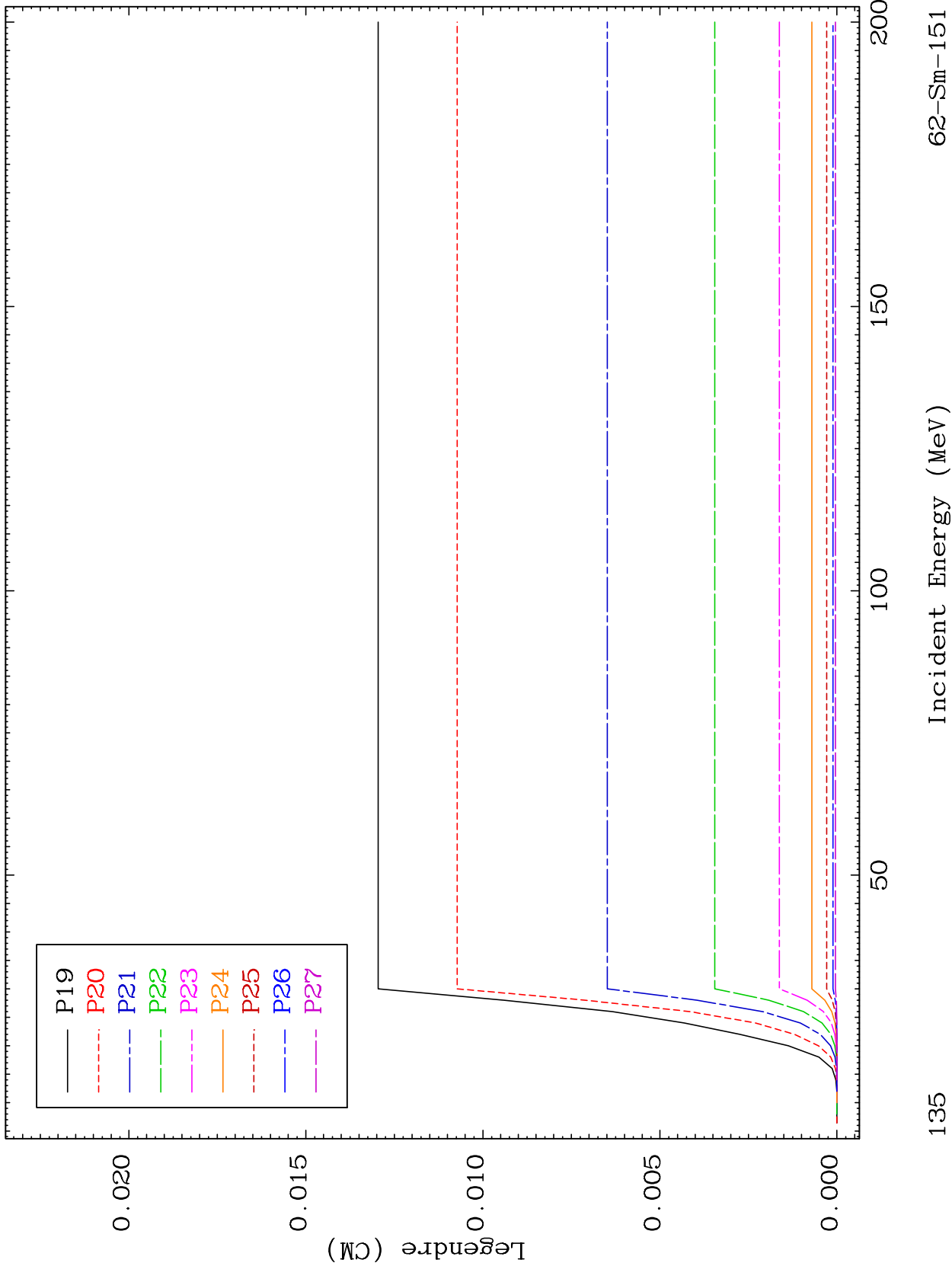
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



135

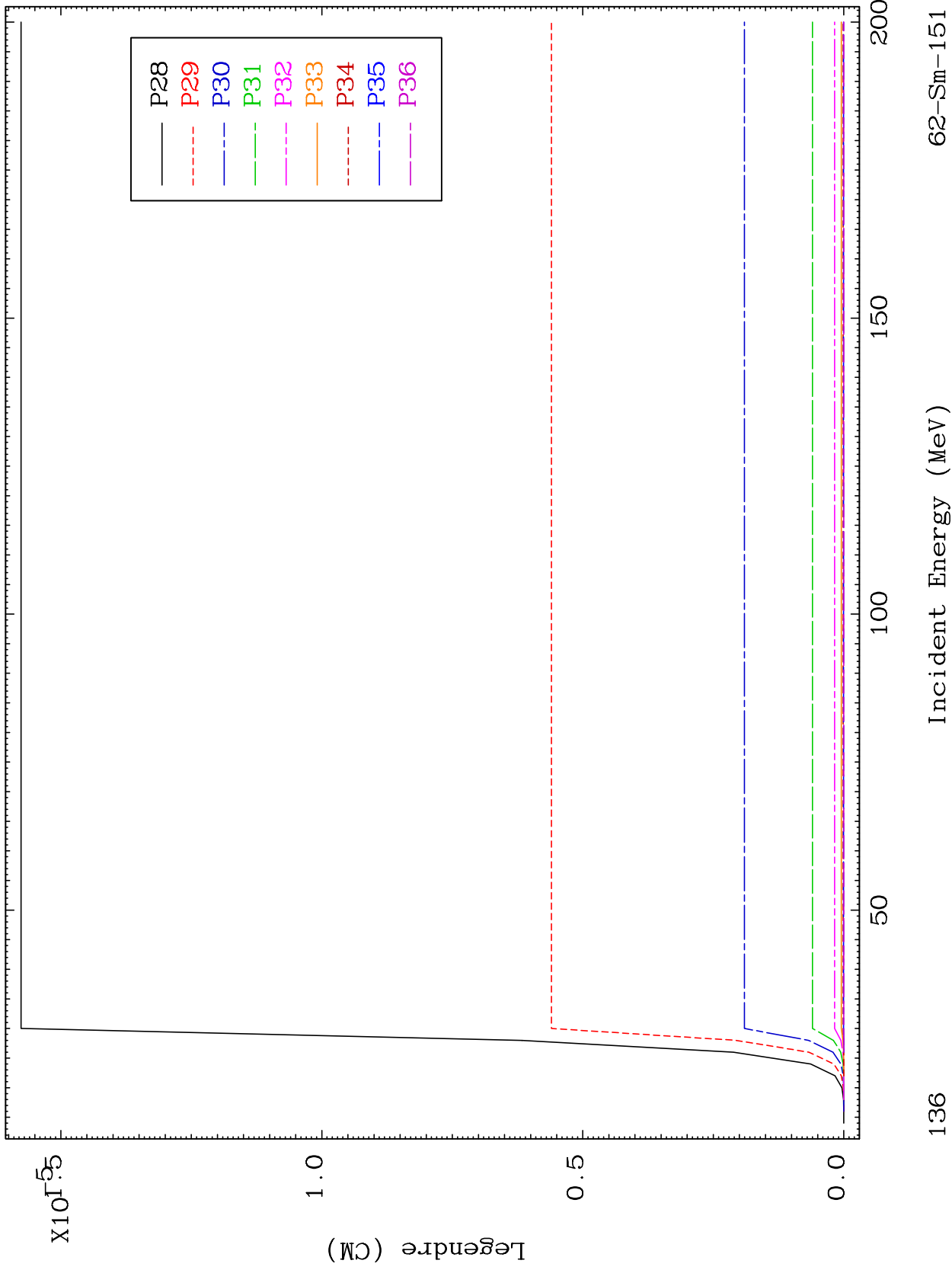
Incident Energy (MeV)

62-Sm-151

MAT 6246

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

62-Sm-151



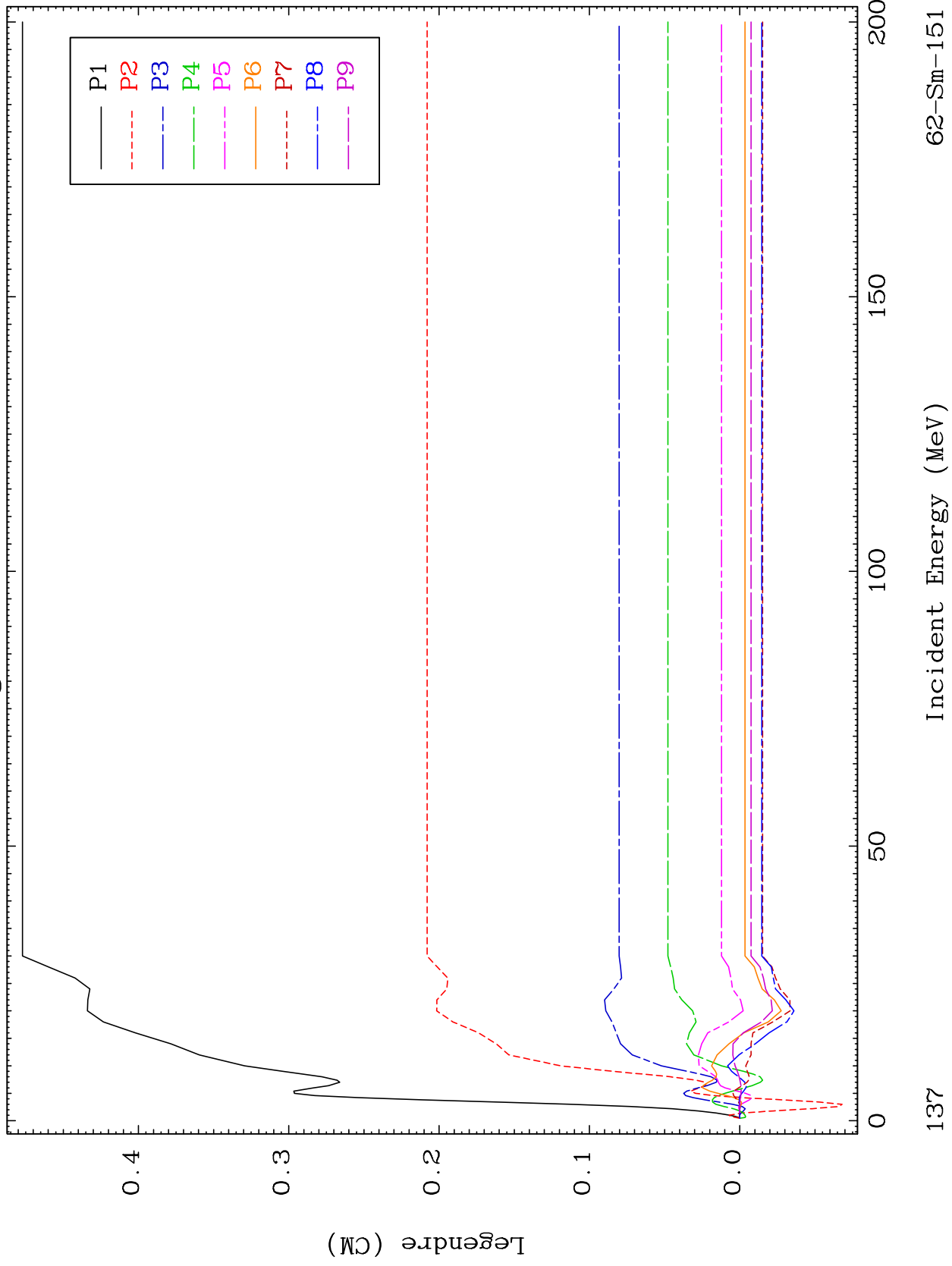
136

62-Sm-151

MAT 6246

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

62-Sm-151



62-Sm-151

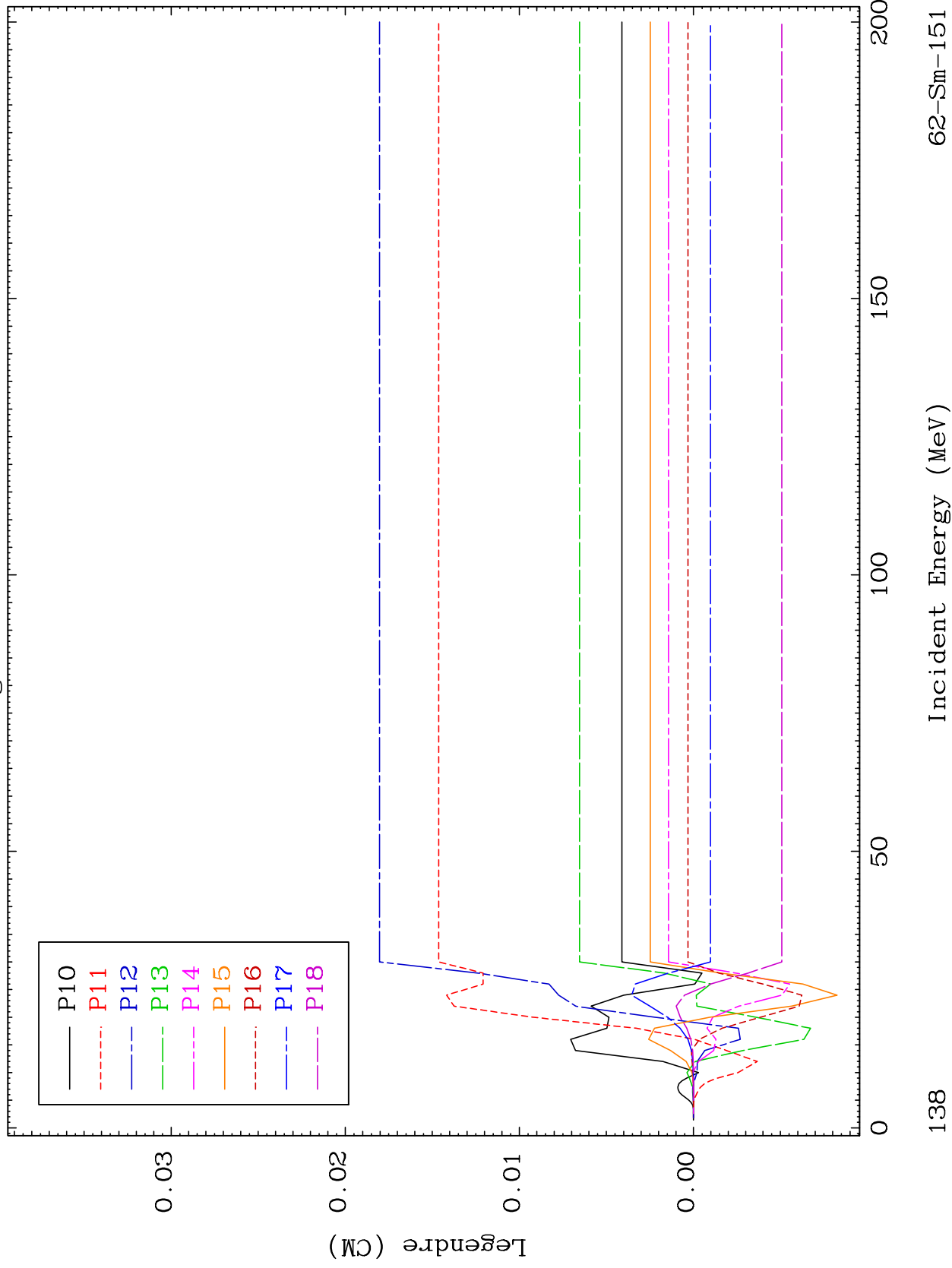
Incident Energy (MeV)

137

MAT 6246

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

62-Sm-151



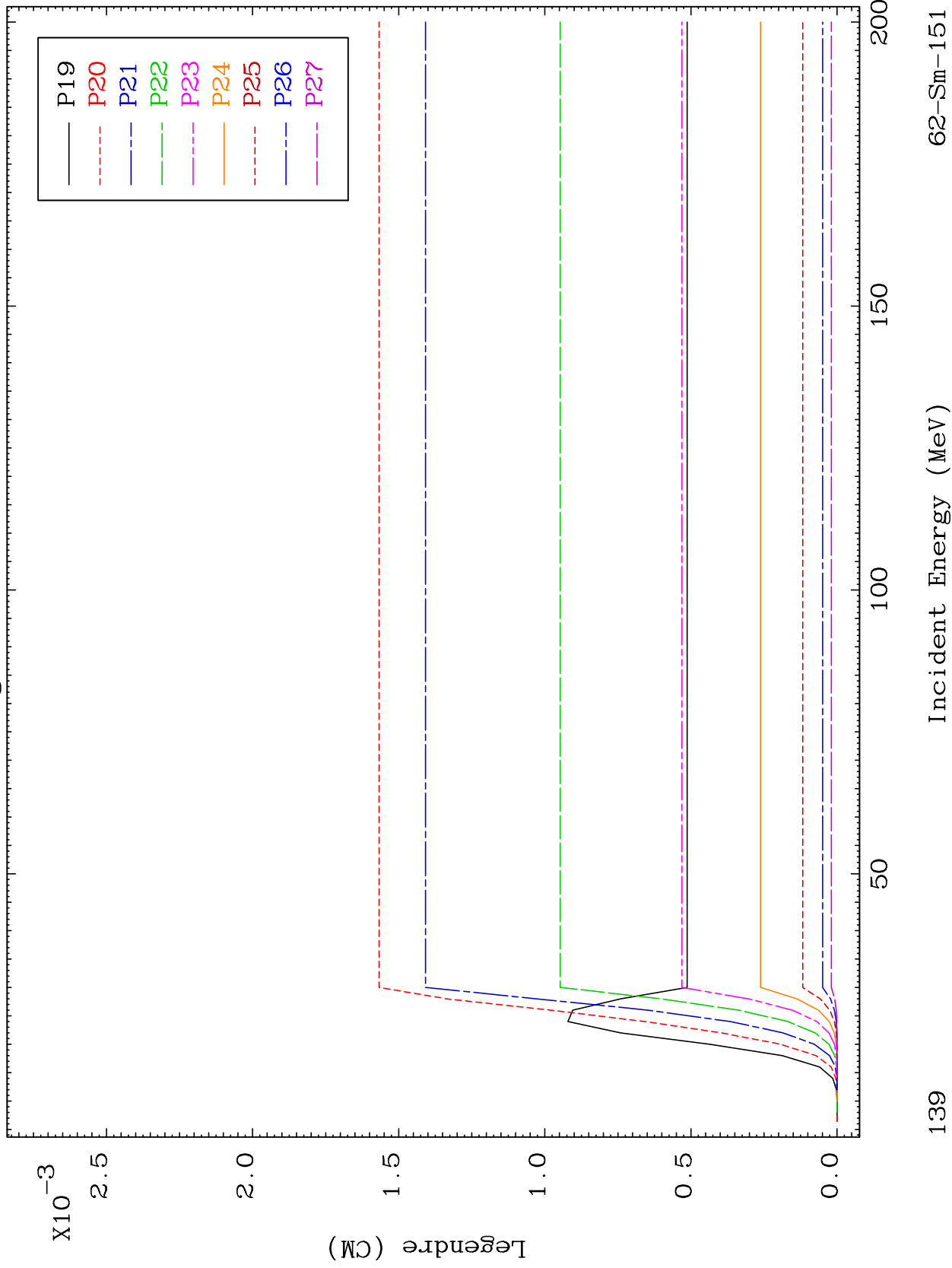
138

62-Sm-151

MAT 6246

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

62-Sm-151



139

Incident Energy (MeV)

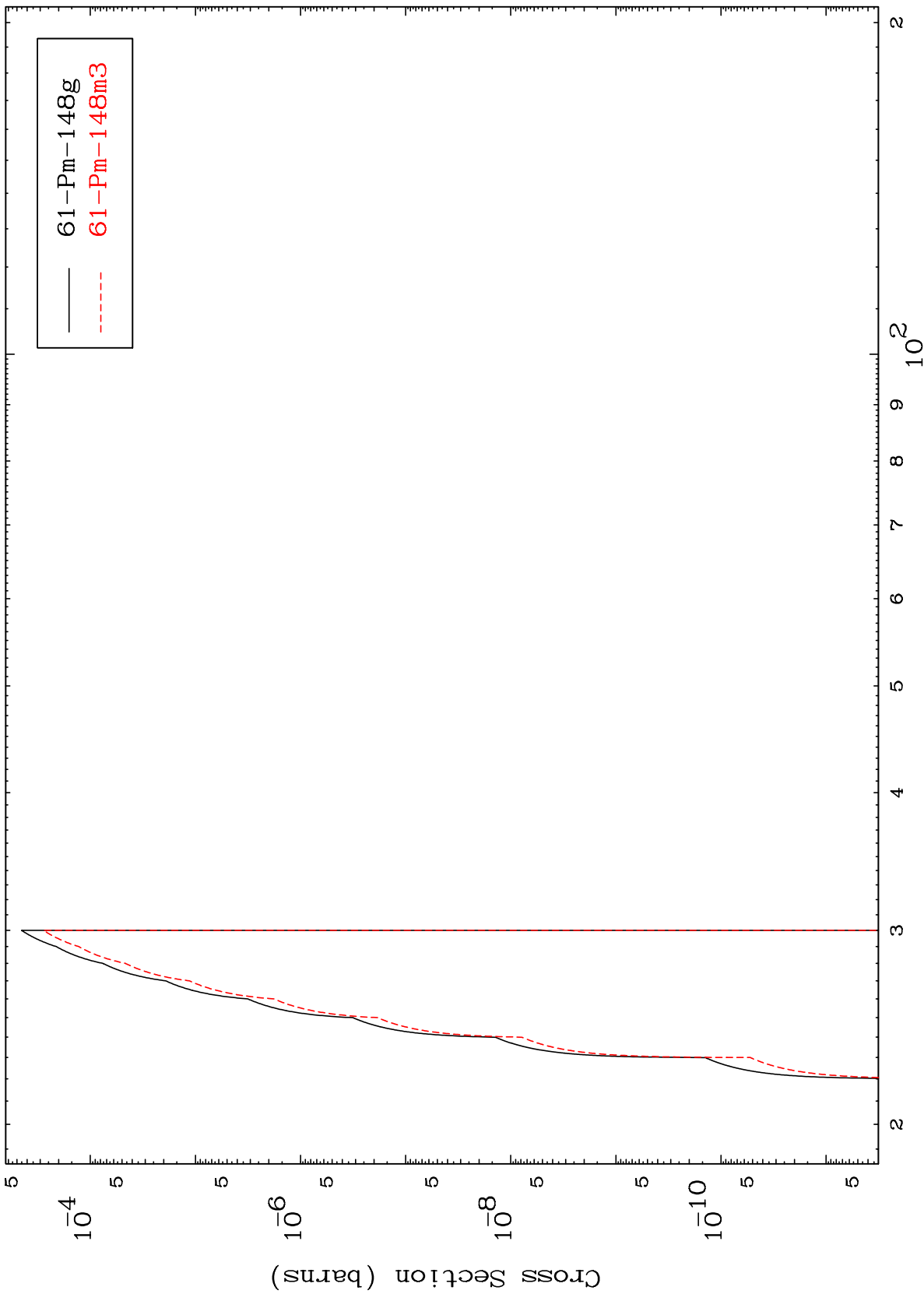
62-Sm-151

MAT 6246

(n,2n) d

62-Sm-151

Radionuclide Production Cross Section



61-Pm-148g
61-Pm-148m3

141

Incident Energy (MeV)

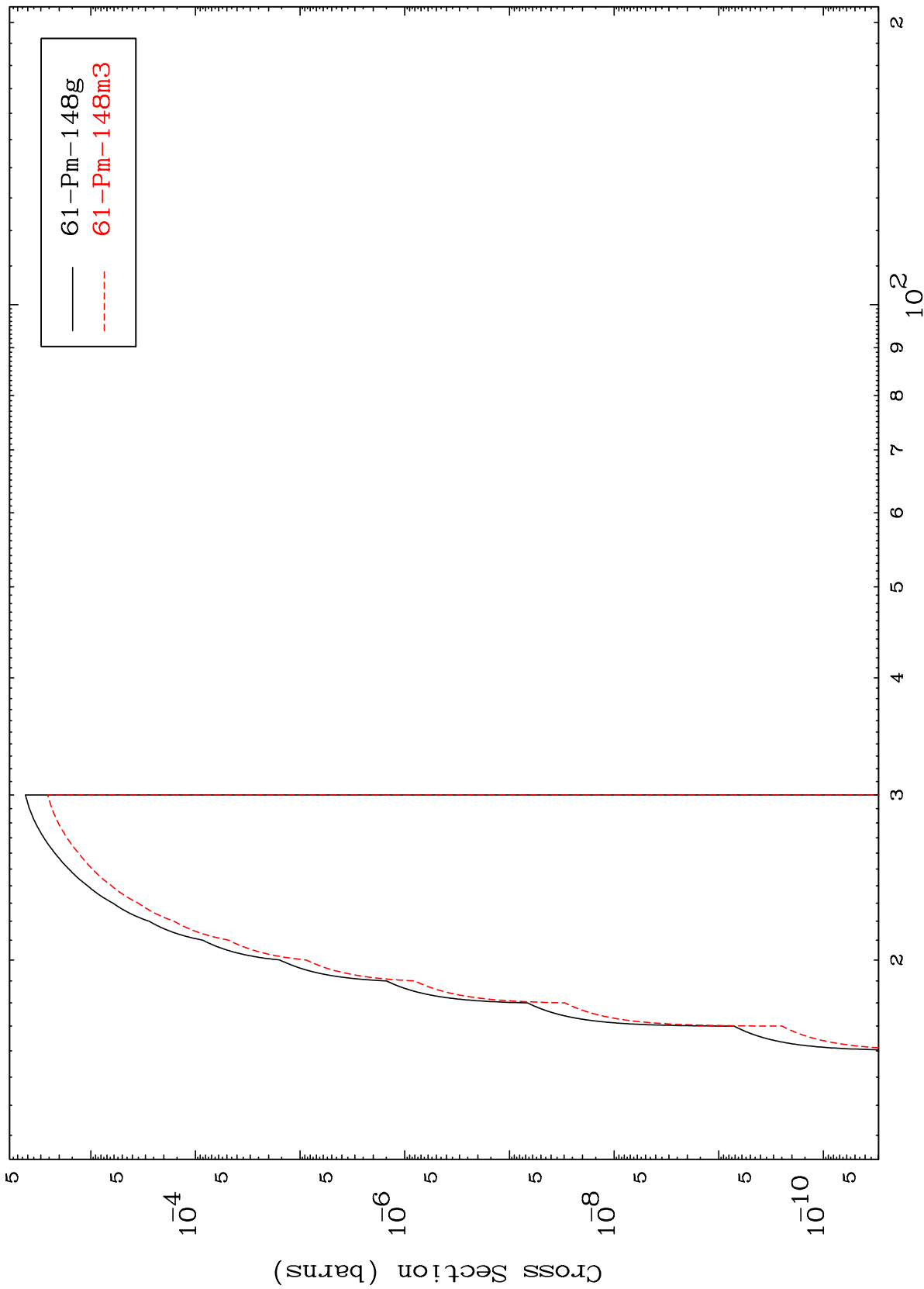
62-Sm-151

MAT 6246

(n,n') t

62-Sm-151

Radionuclide Production Cross Section



142

Incident Energy (MeV)

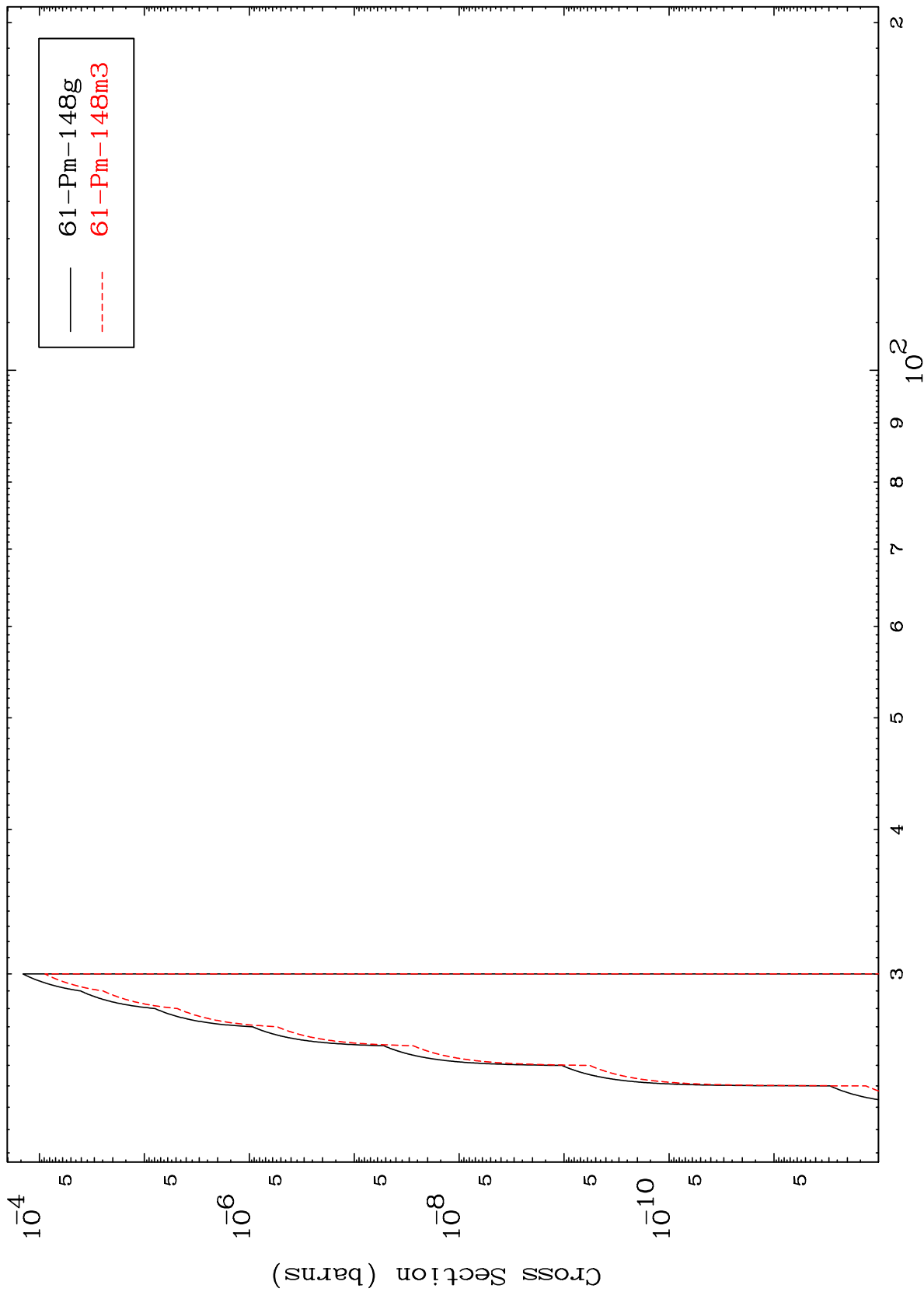
62-Sm-151

MAT 6246

(n,3n) p

62-Sm-151

Radionuclide Production Cross Section



143

Incident Energy (MeV)

62-Sm-151