

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

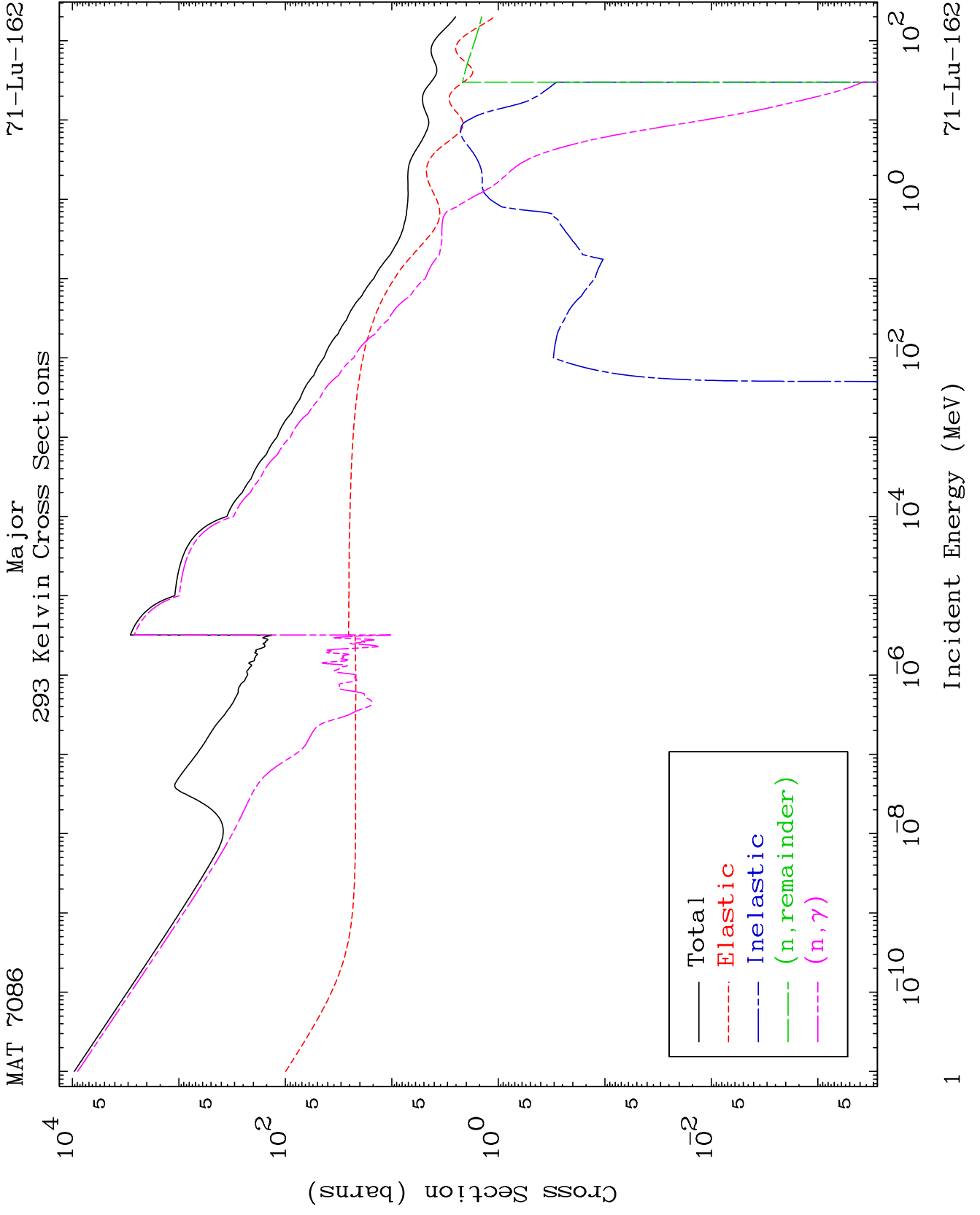
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

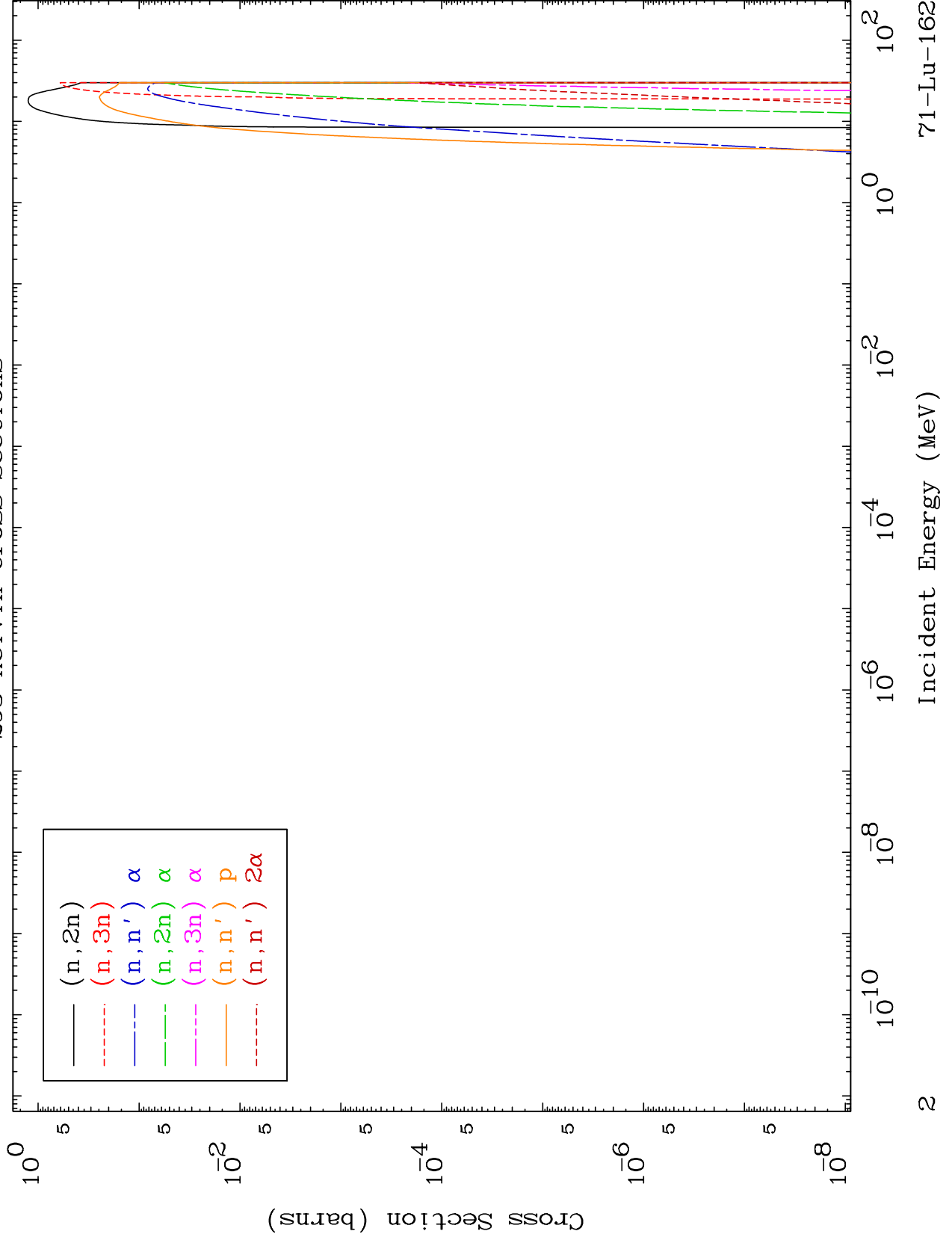
Press Mouse Button to Start



MAT 7086

Neutron Production
293 Kelvin Cross Sections

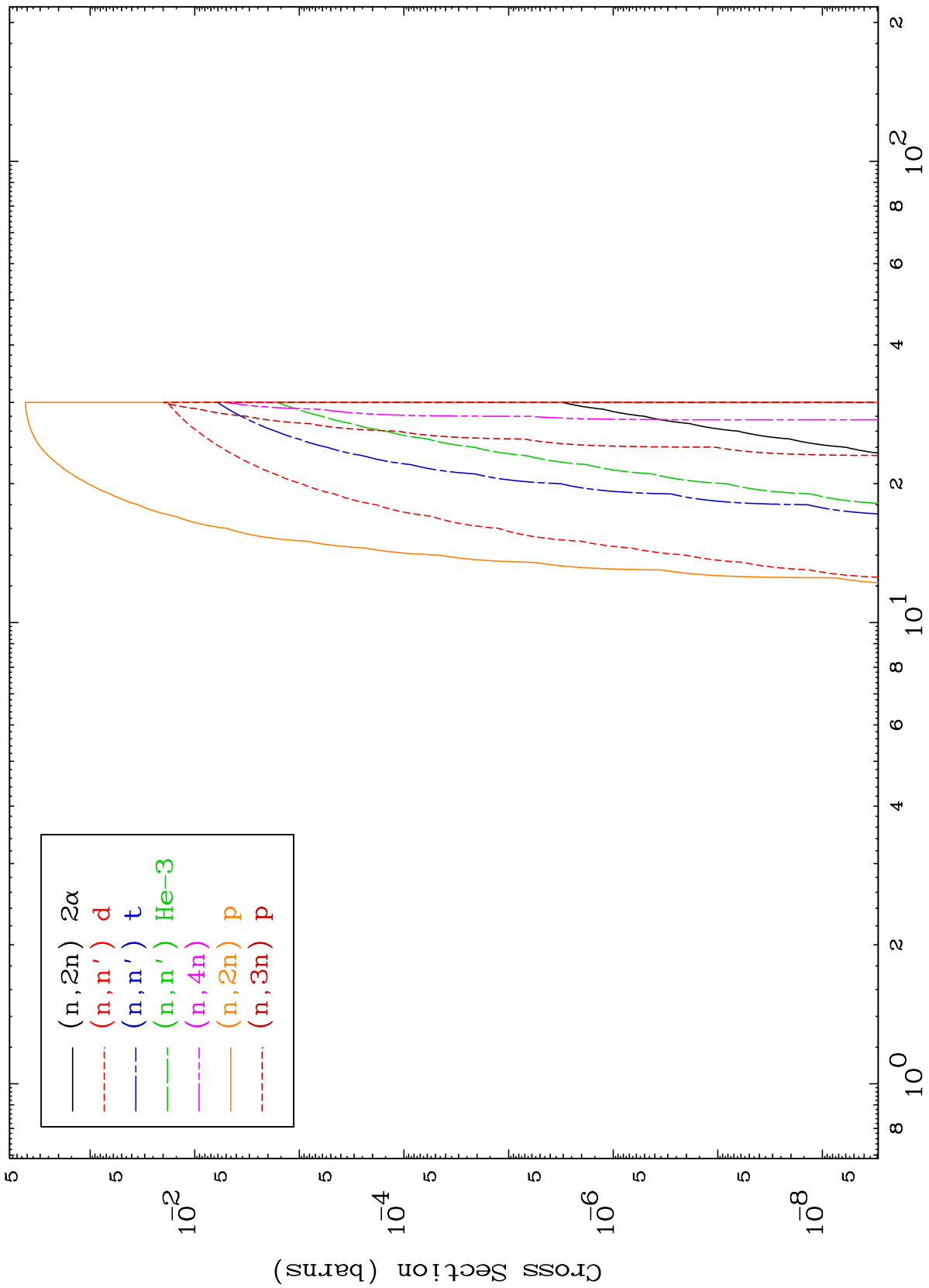
71-Lu-162



MAT 7086

Neutron Production
293 Kelvin Cross Sections

71-Lu-162



Incident Energy (MeV)

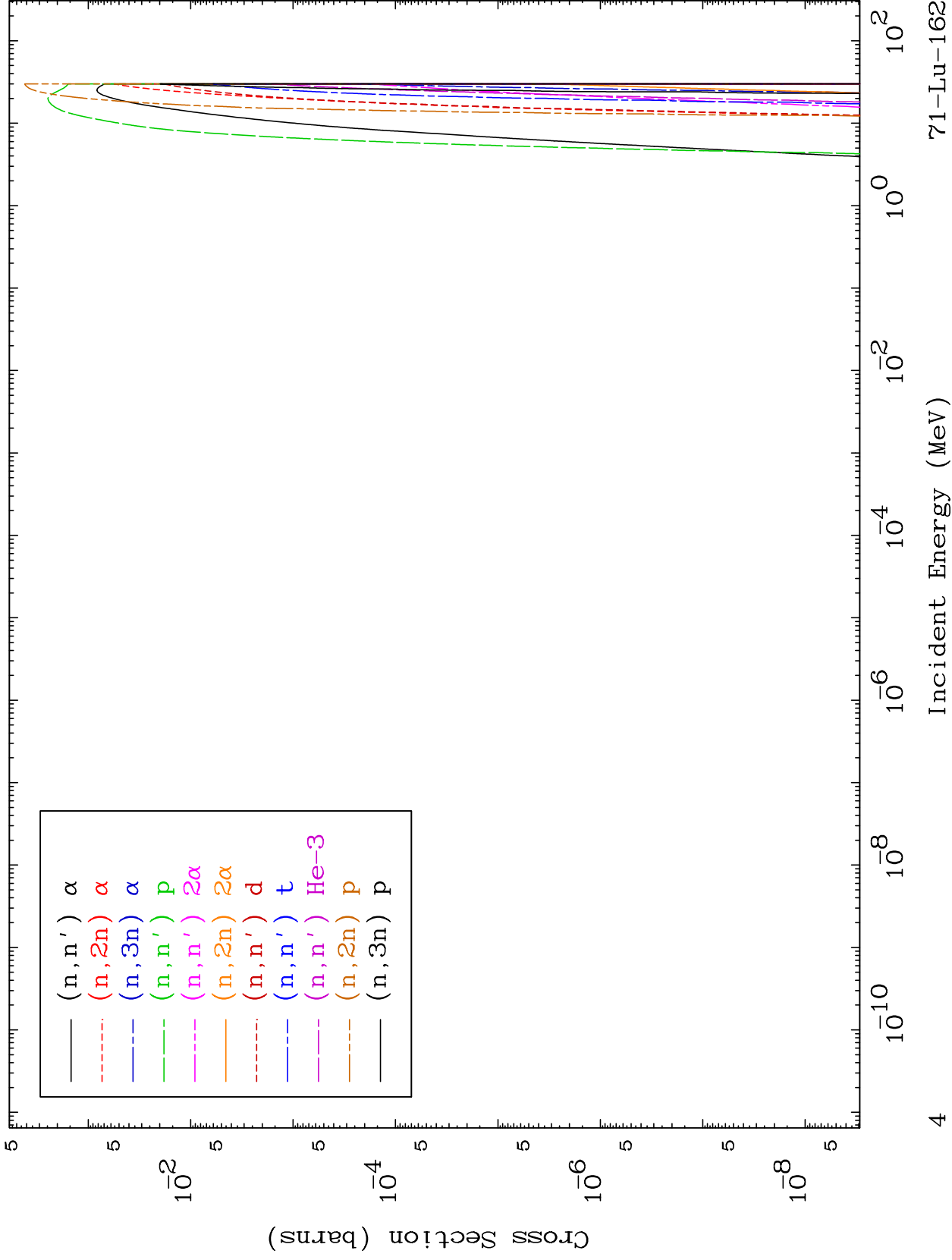
71-Lu-162

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MAT 7086

Charged Particle
293 Kelvin Cross Sections

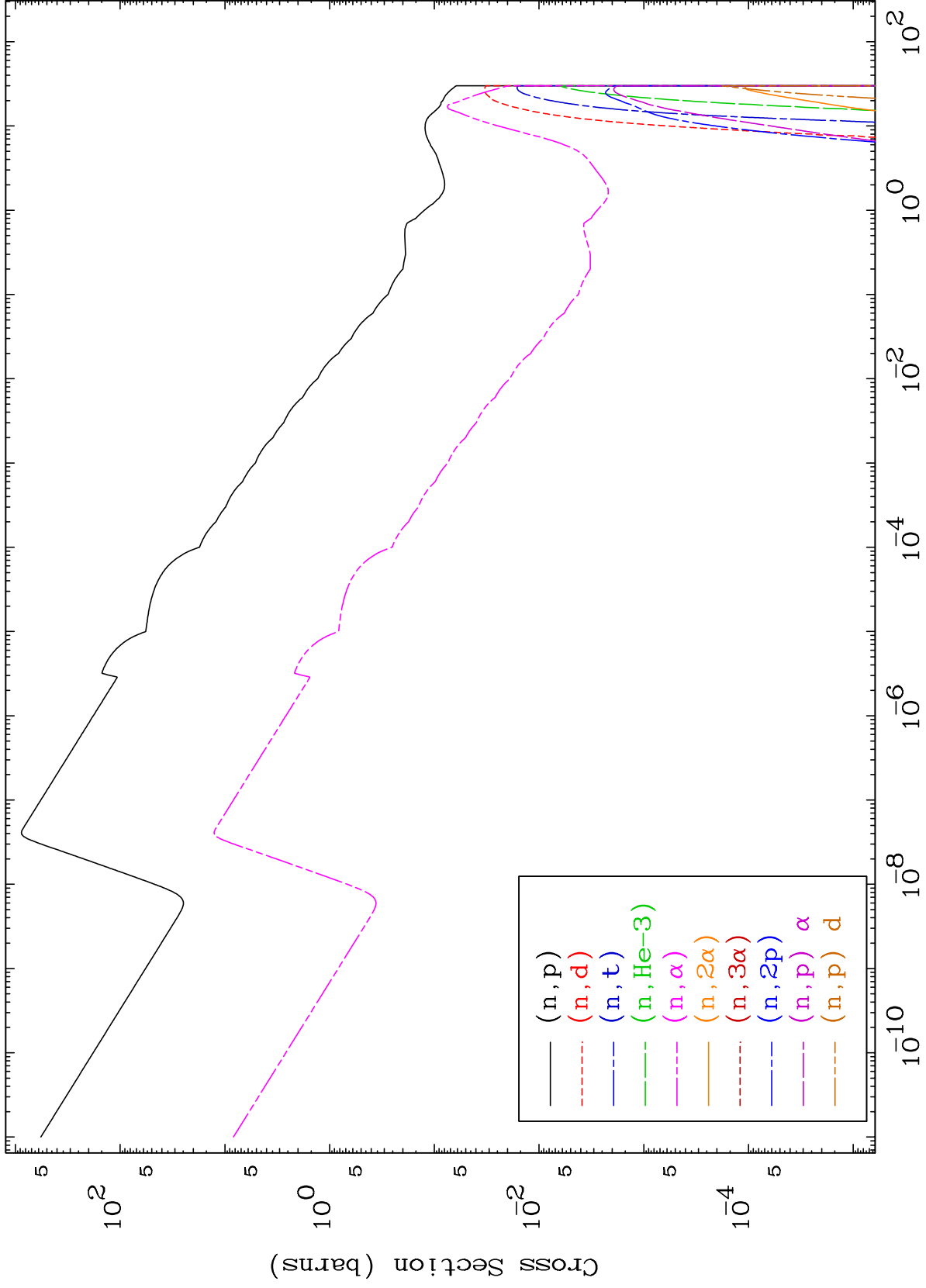
71-Lu-162

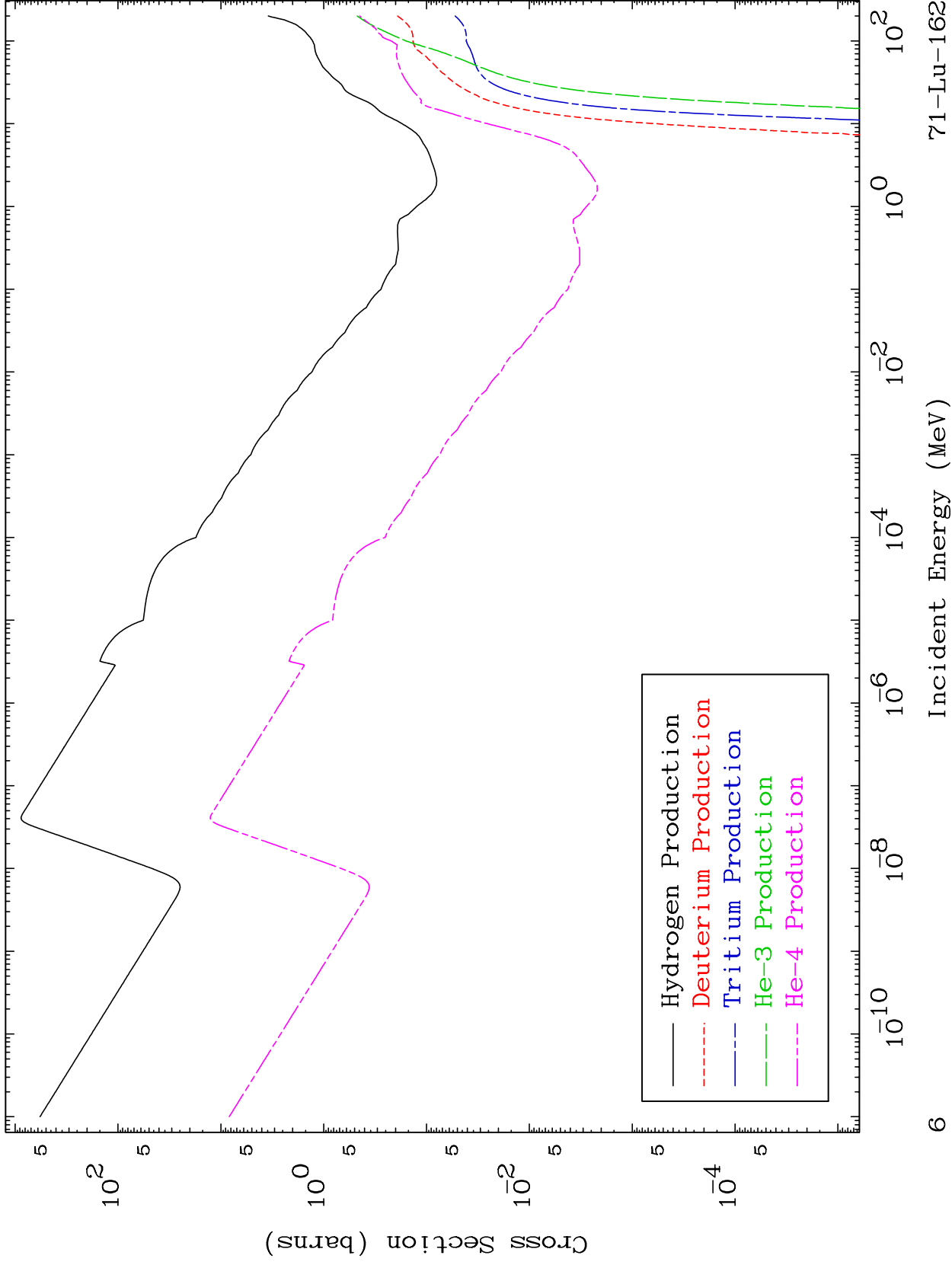


MAT 7086

Charged Particle
293 Kelvin Cross Sections

71-Lu-162

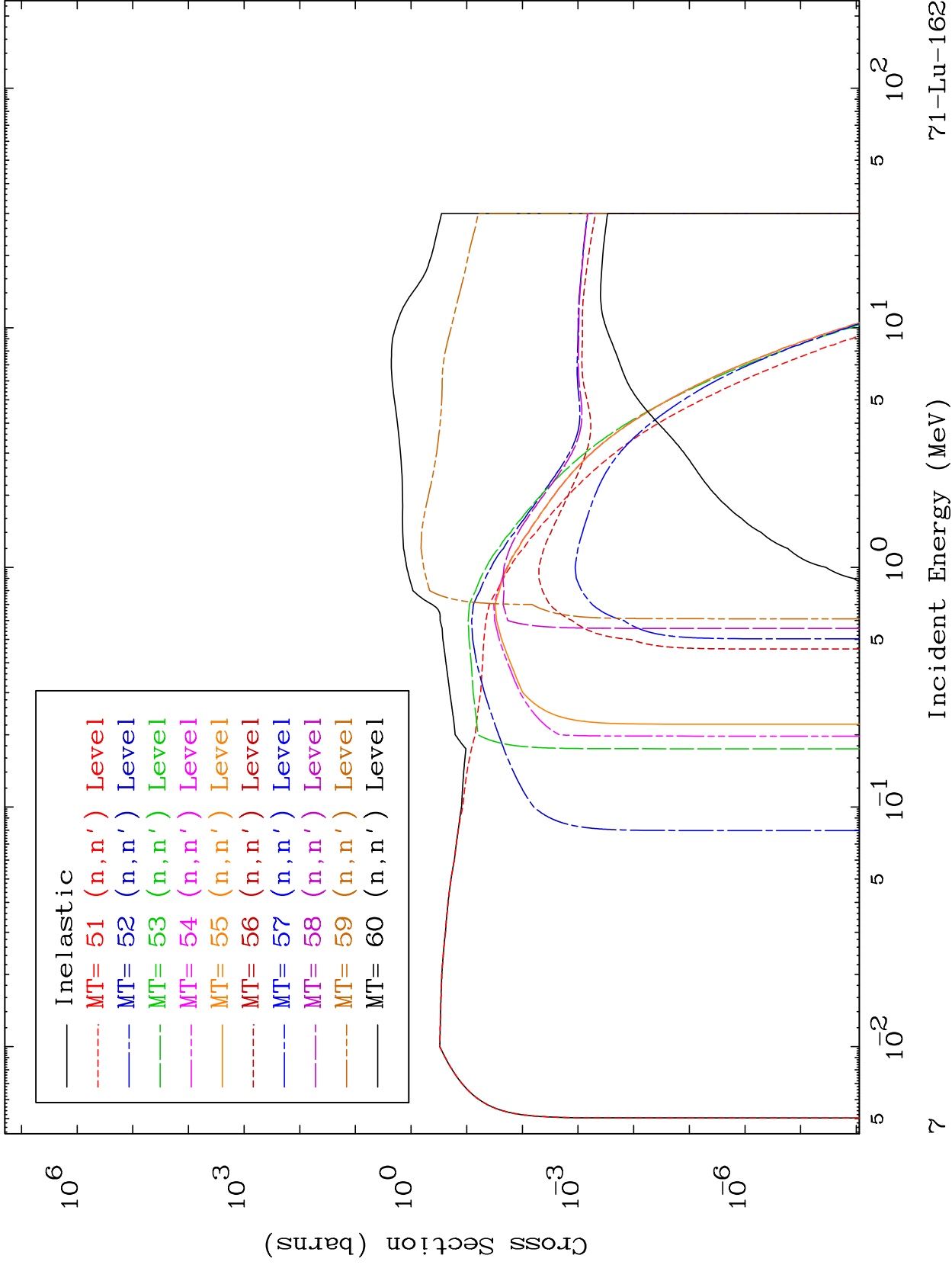




MAT 7086

(n,n') Level
293 Kelvin Cross Sections

71-Lu-162

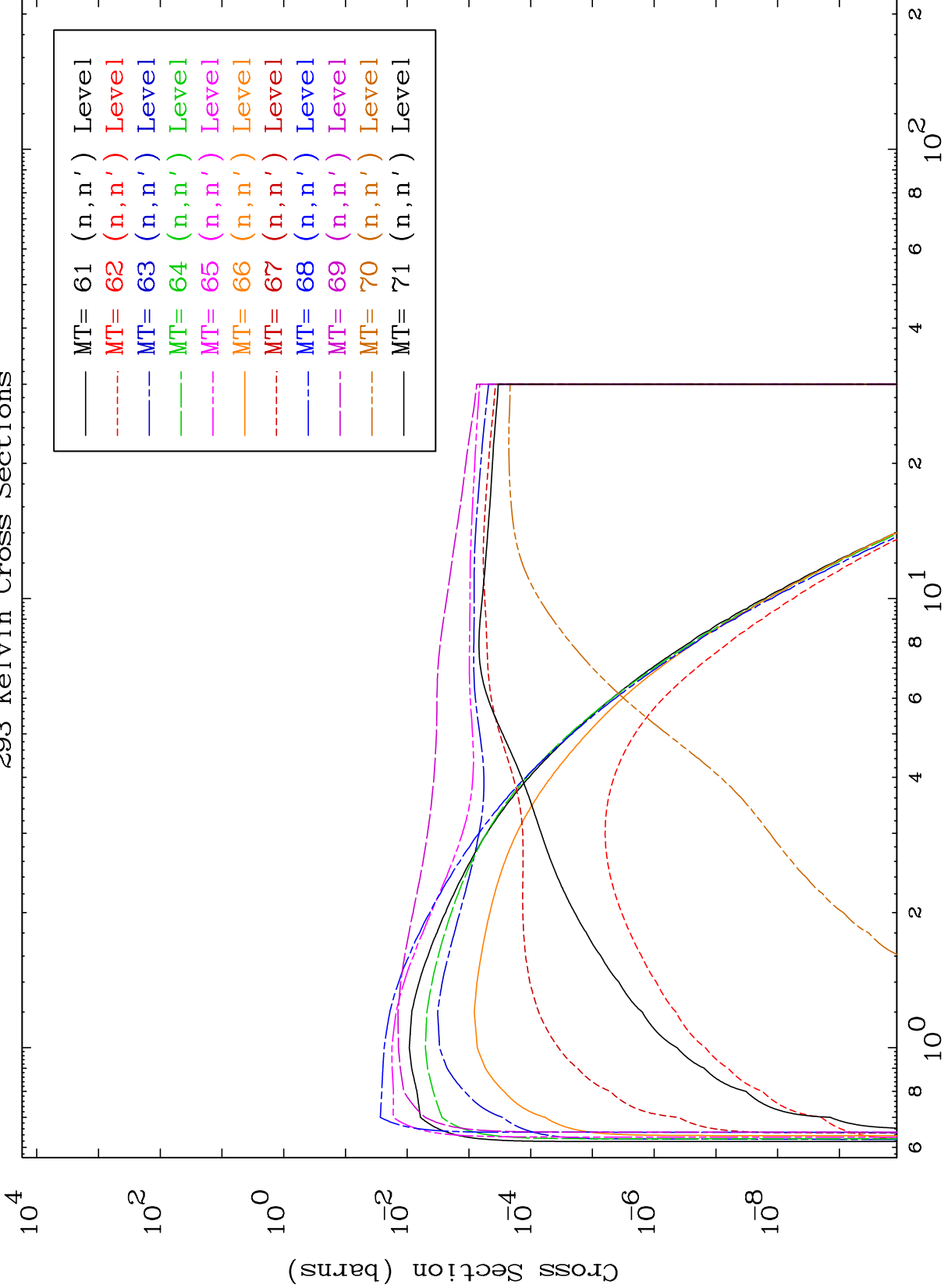


MAT 7086

(n,n') Level

293 Kelvin Cross Sections

71-Lu-162



Incident Energy (MeV)

71-Lu-162

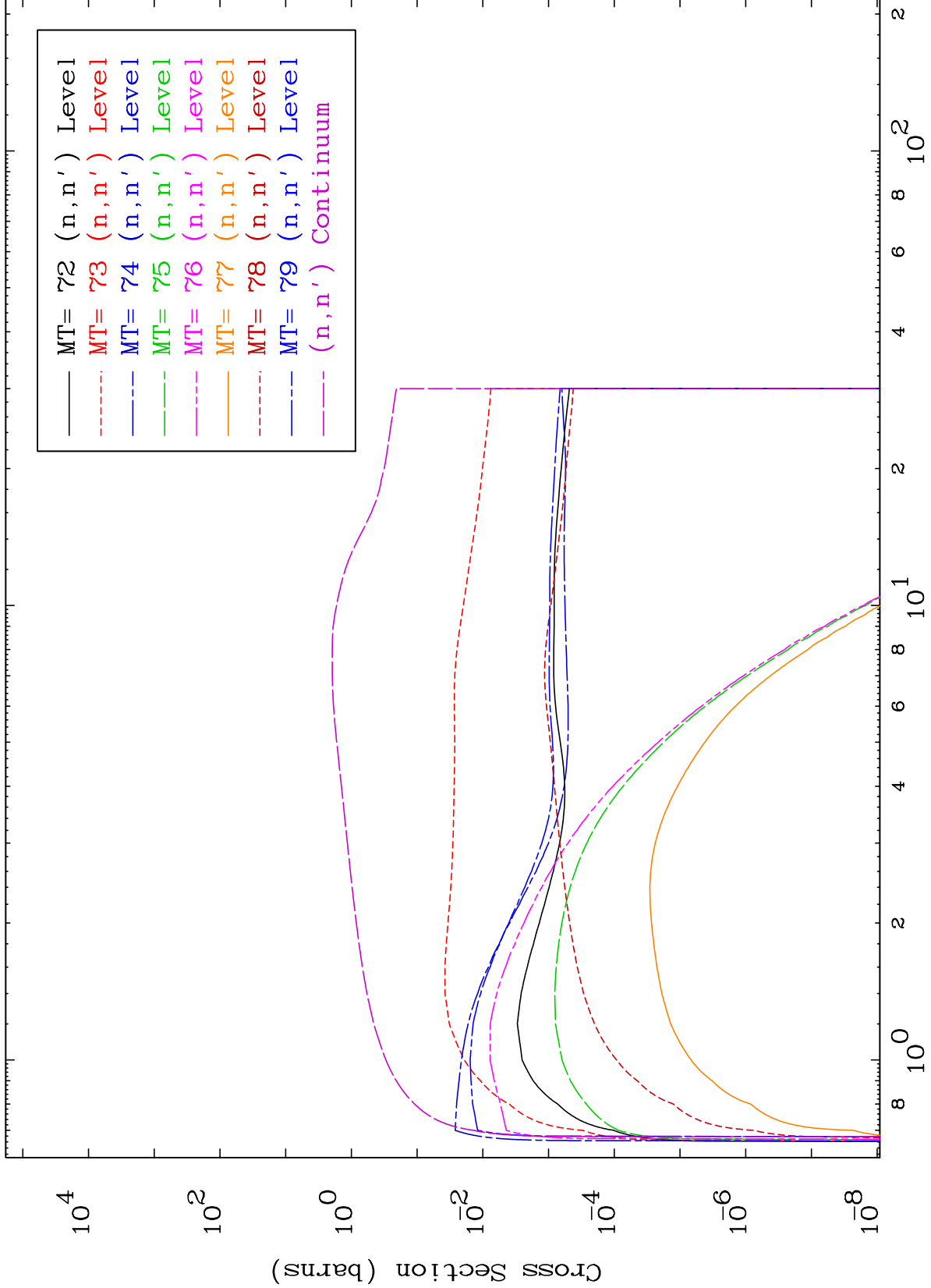
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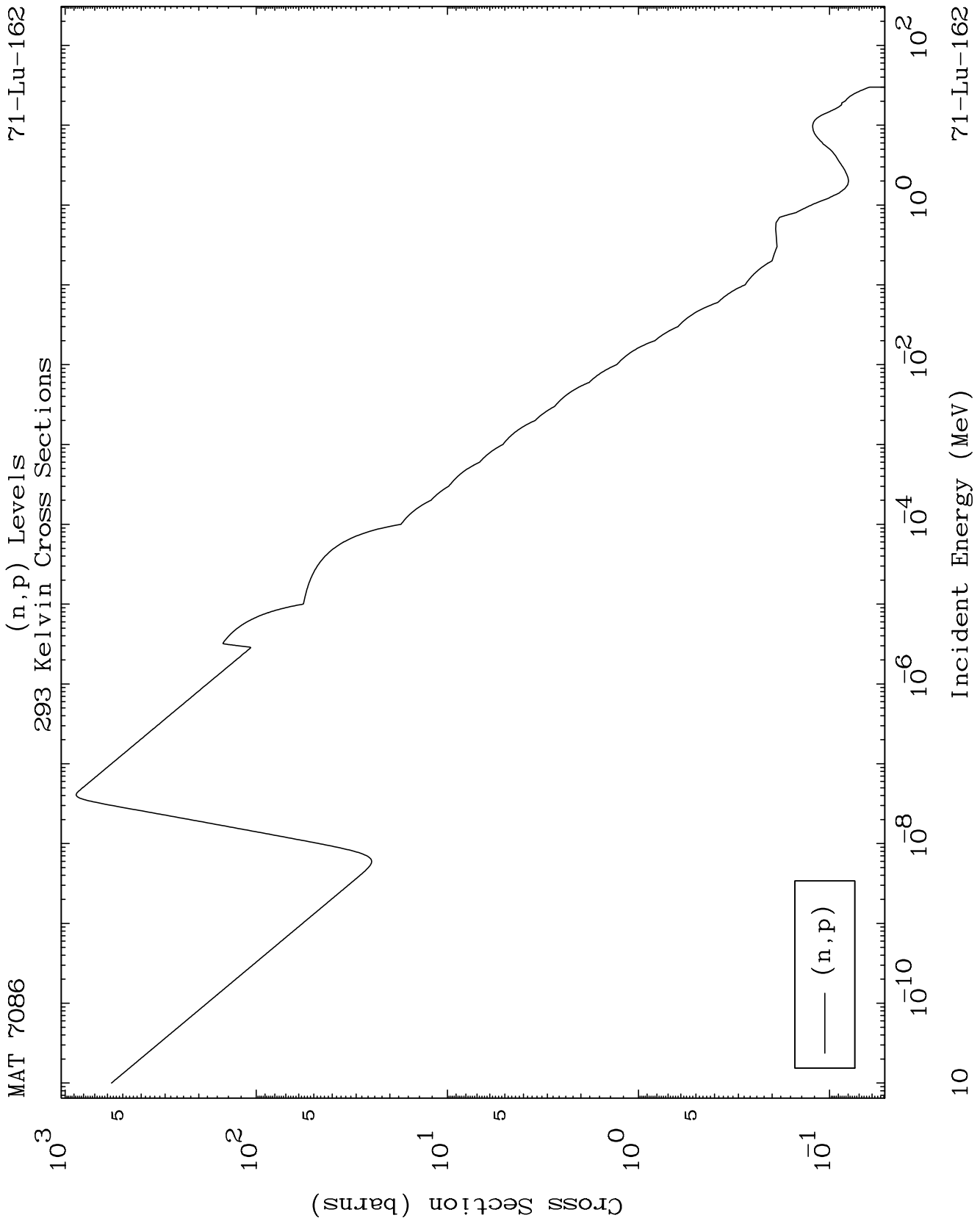
MAT 7086

(n,n') Level

71-Lu-162

293 Kelvin Cross Sections

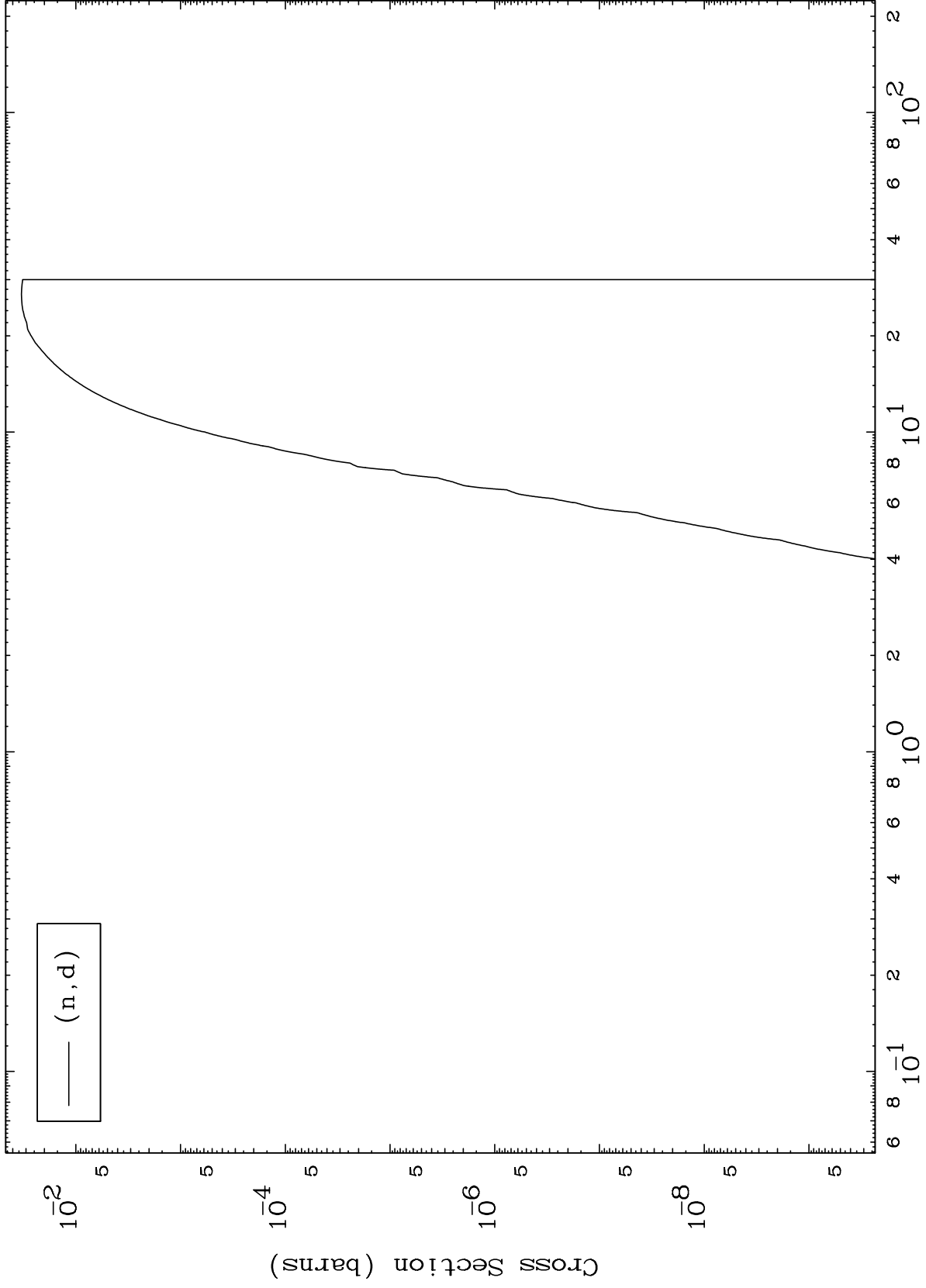




MAT 7086

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-162



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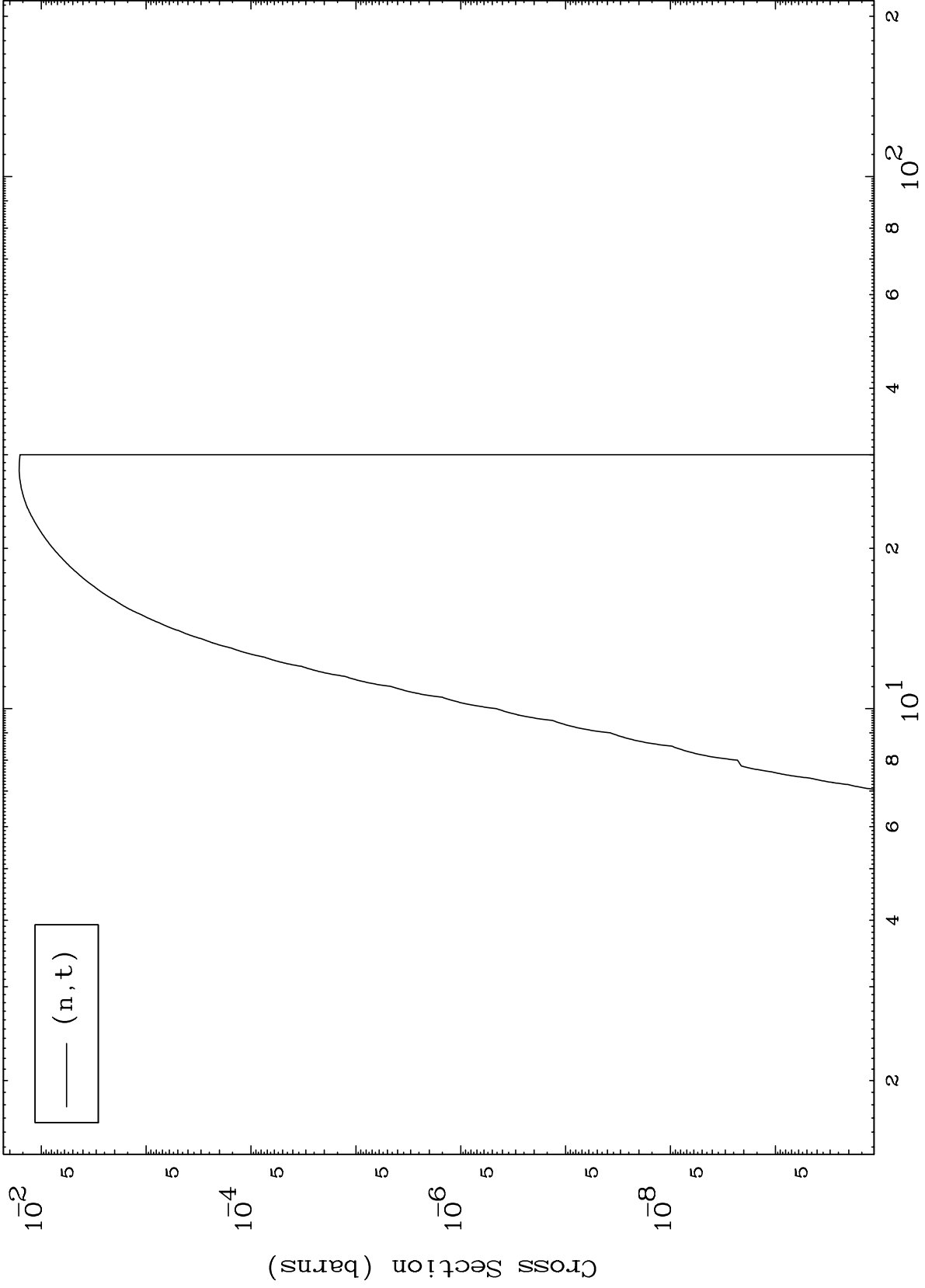
Incident Energy (MeV)

71-Lu-162

MAT 7086

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-162



12

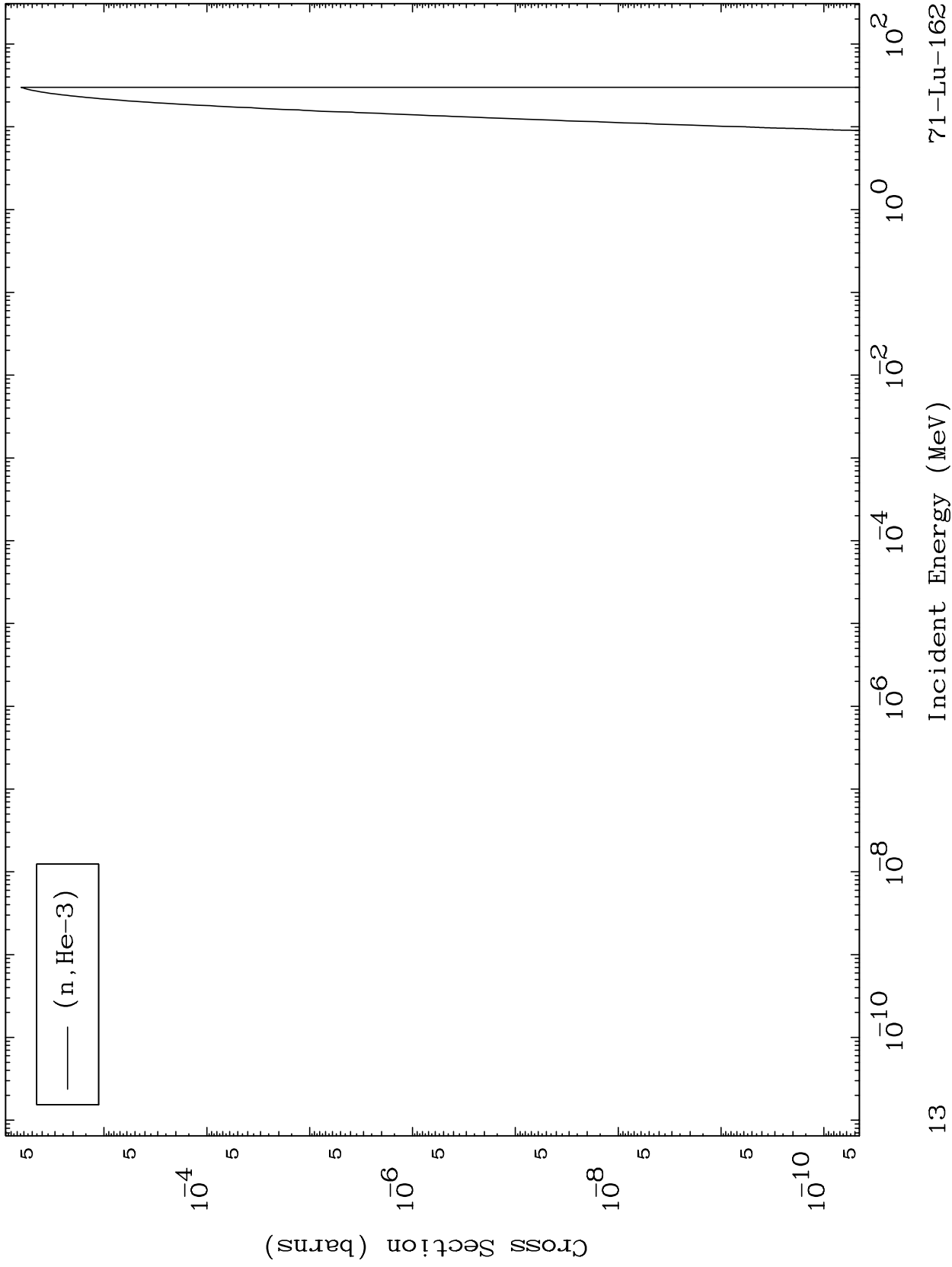
Incident Energy (MeV)

71-Lu-162

MAT 7086

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-162



13

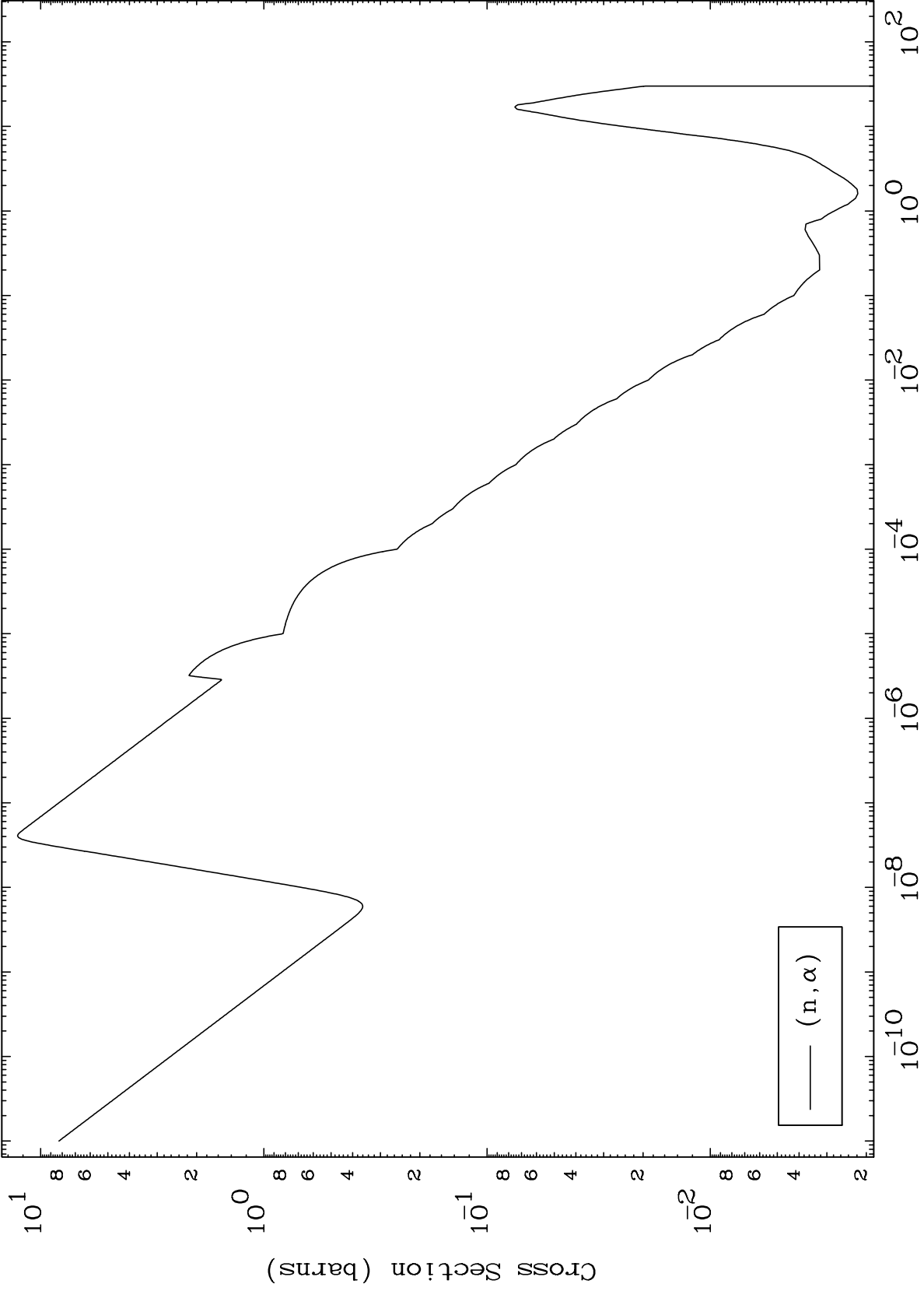
Incident Energy (MeV)

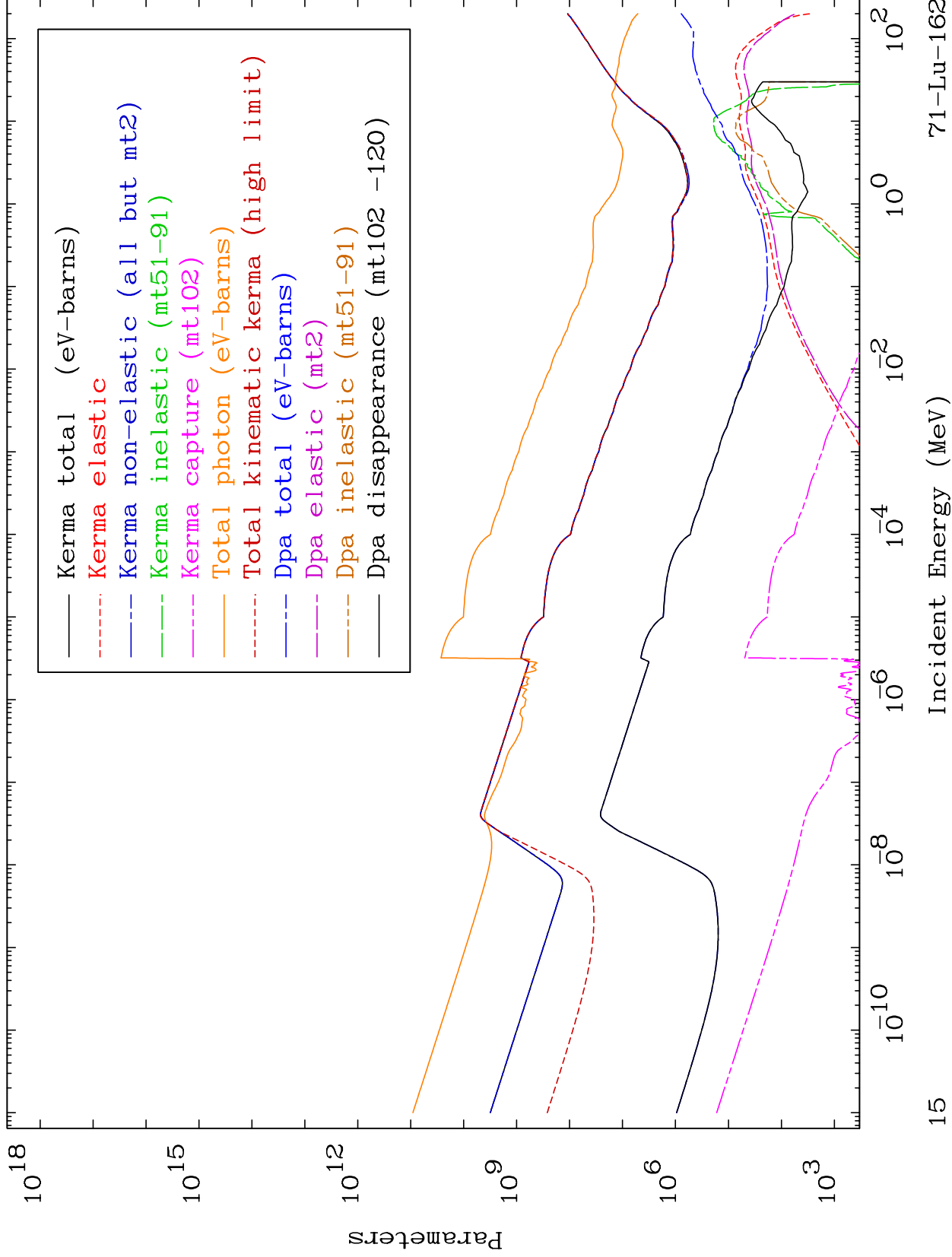
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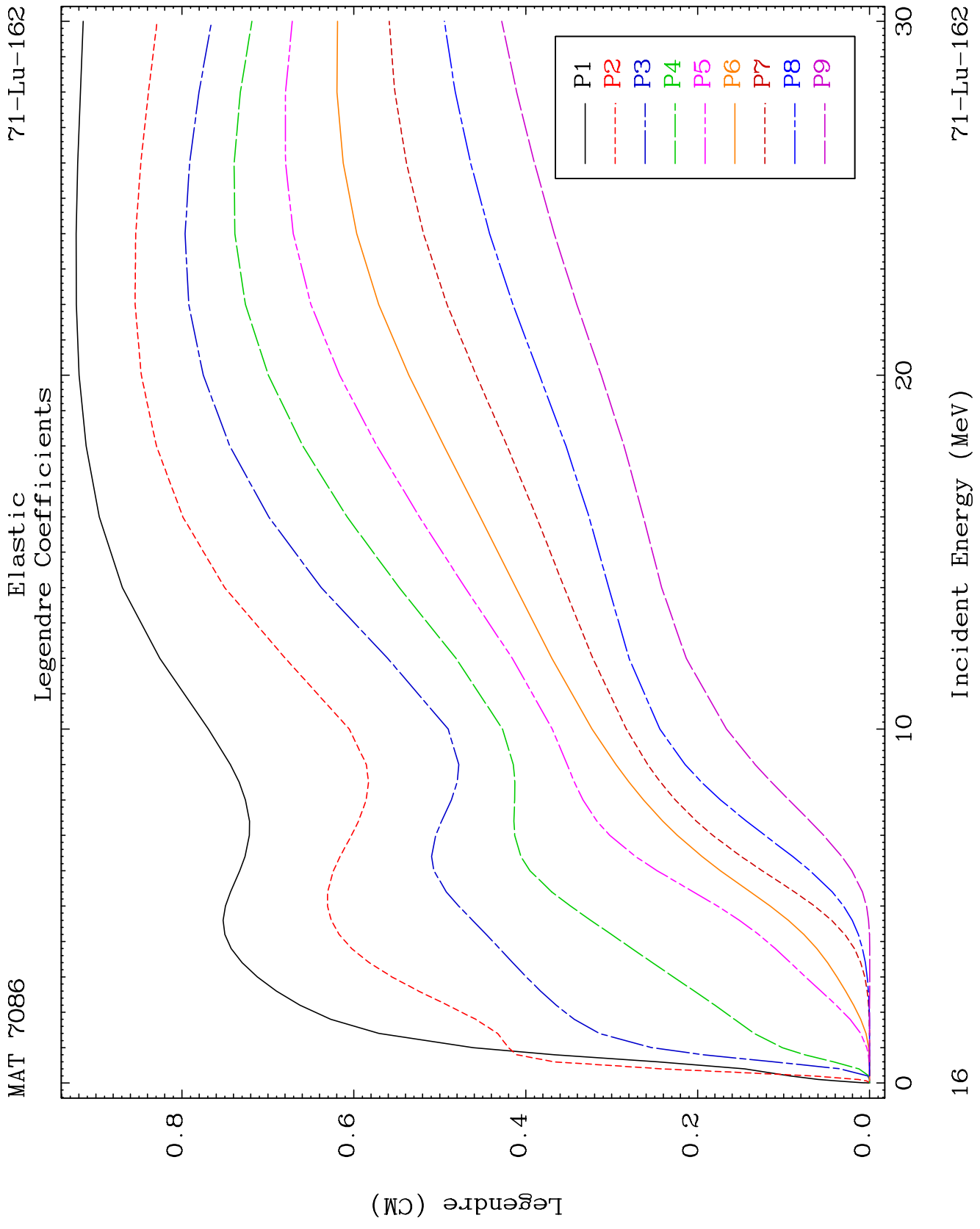
MAT 7086

(n,α) Levels
293 Kelvin Cross Sections

71-Lu-162



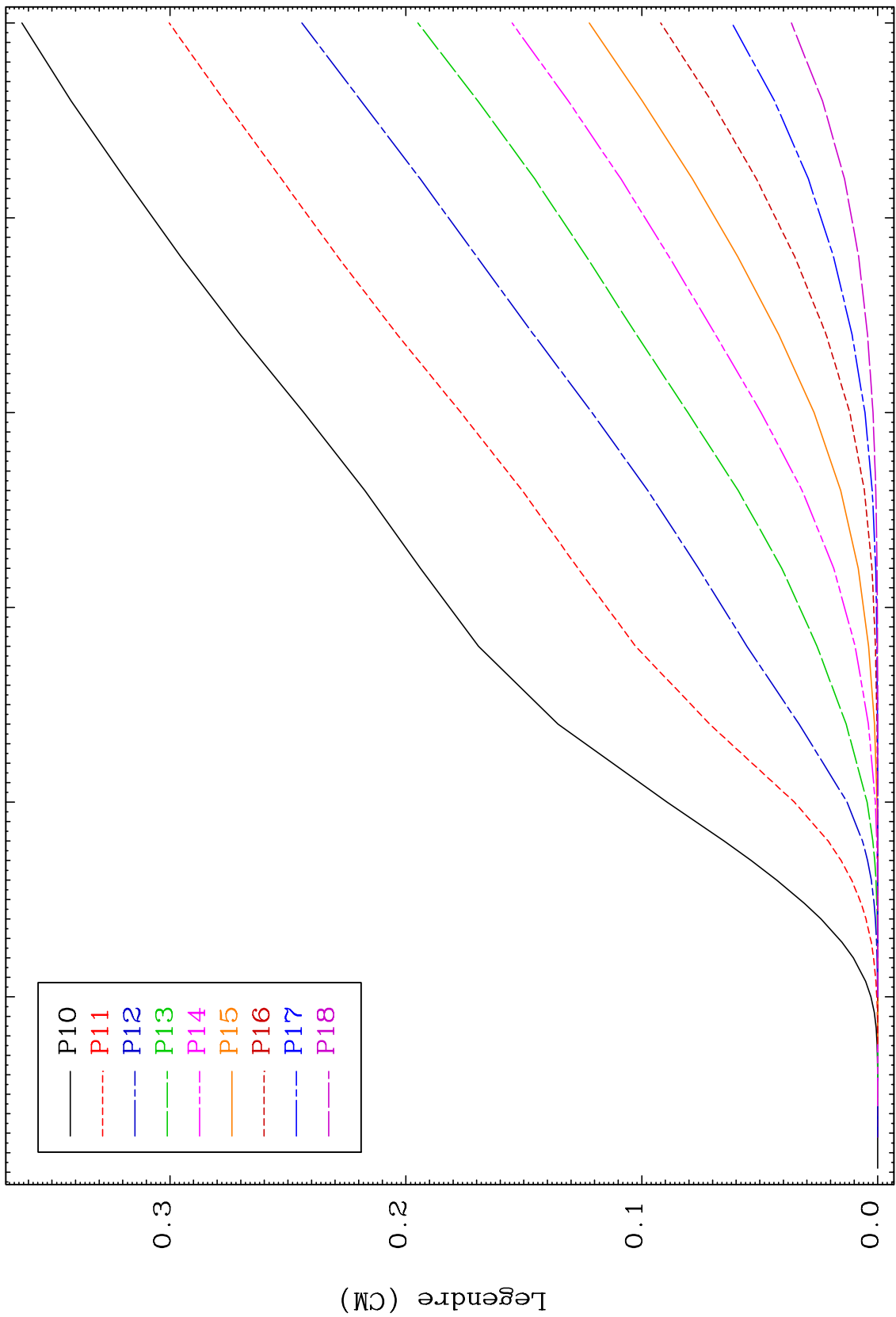




MAT 7086

Elastic Legendre Coefficients

⁷¹Lu-162



17

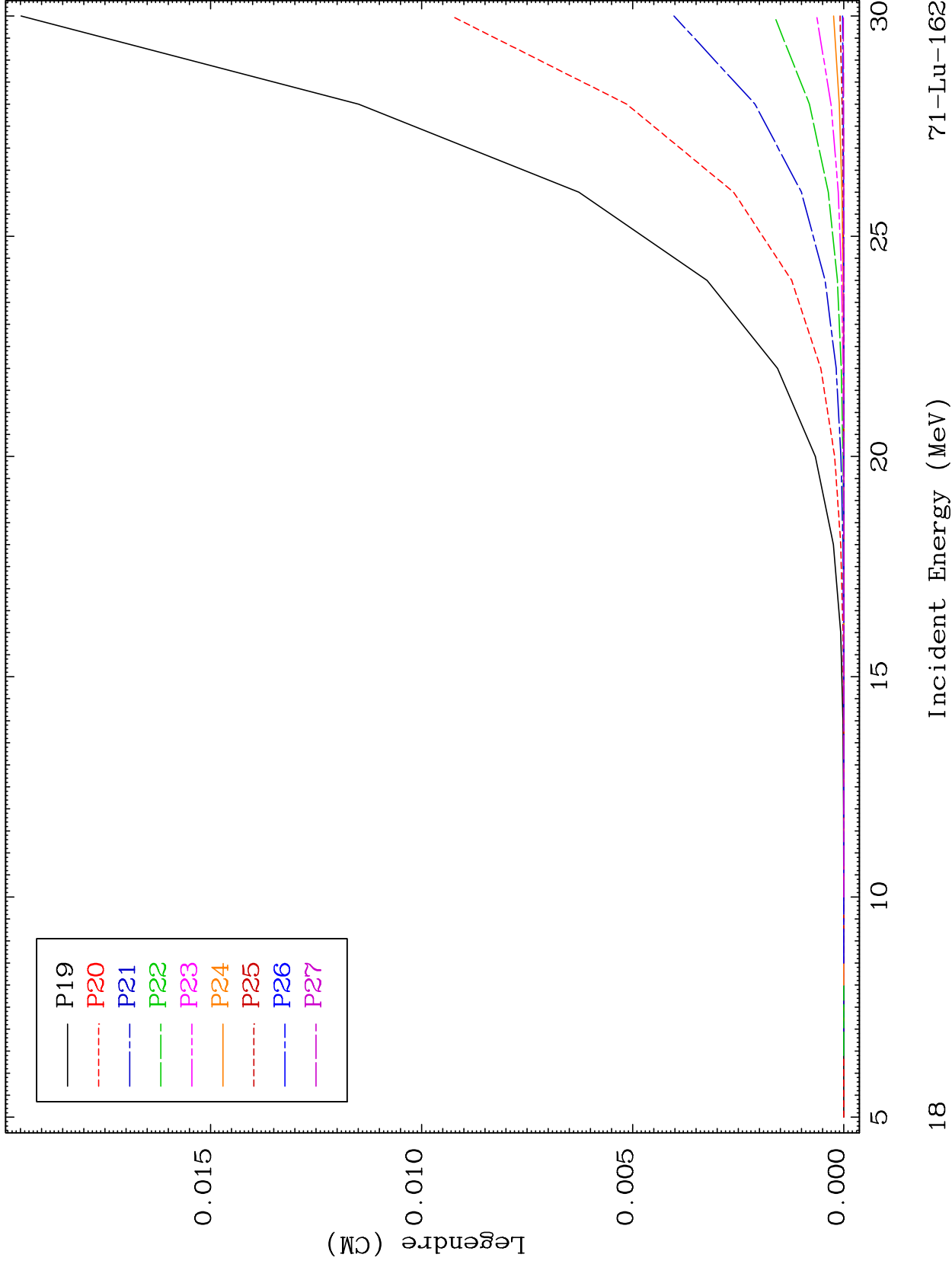
Incident Energy (MeV)

⁷¹Lu-162

MAT 7086

Elastic Legendre Coefficients

⁷¹Lu-162



⁷¹Lu-162

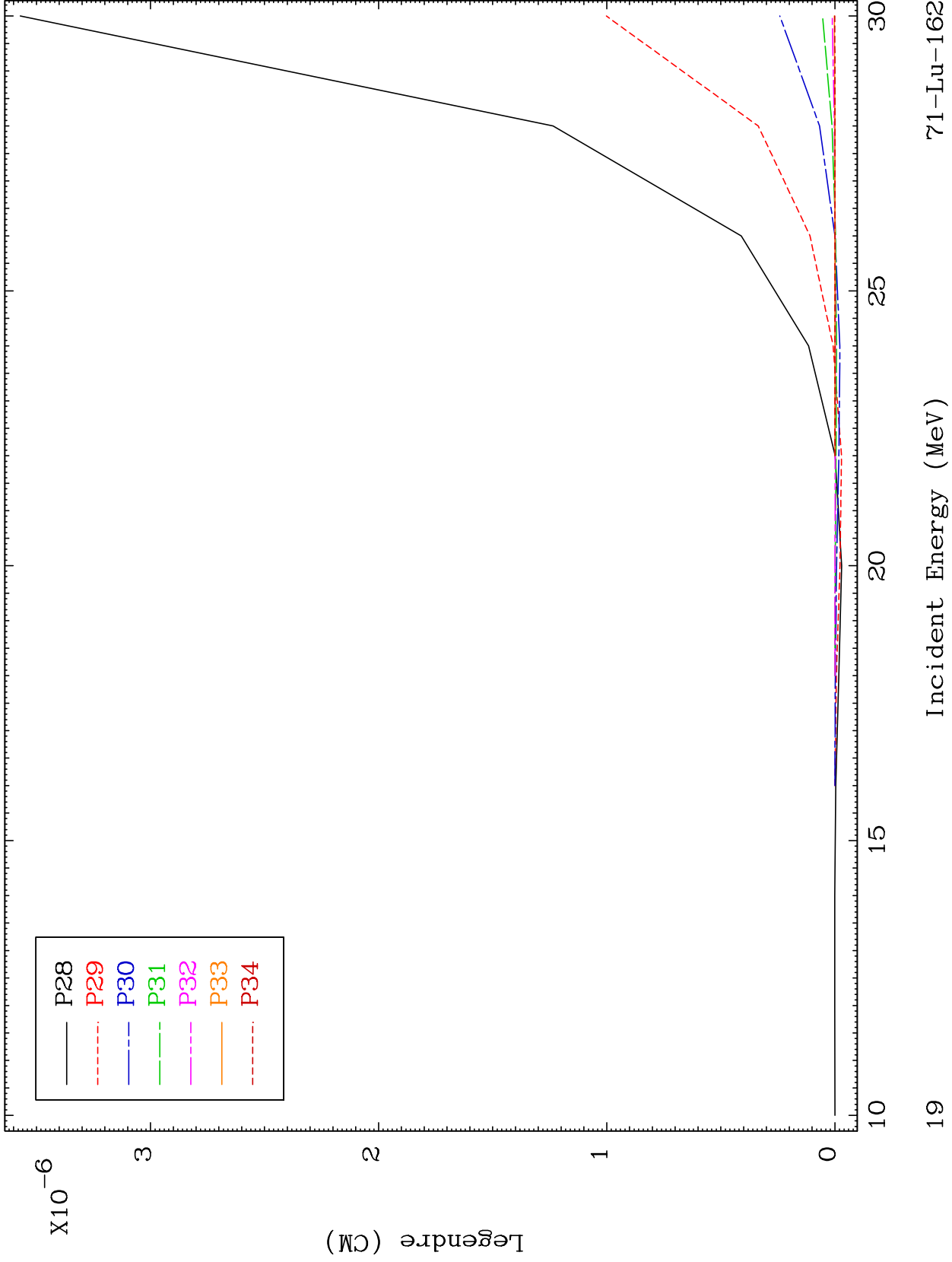
Incident Energy (MeV)

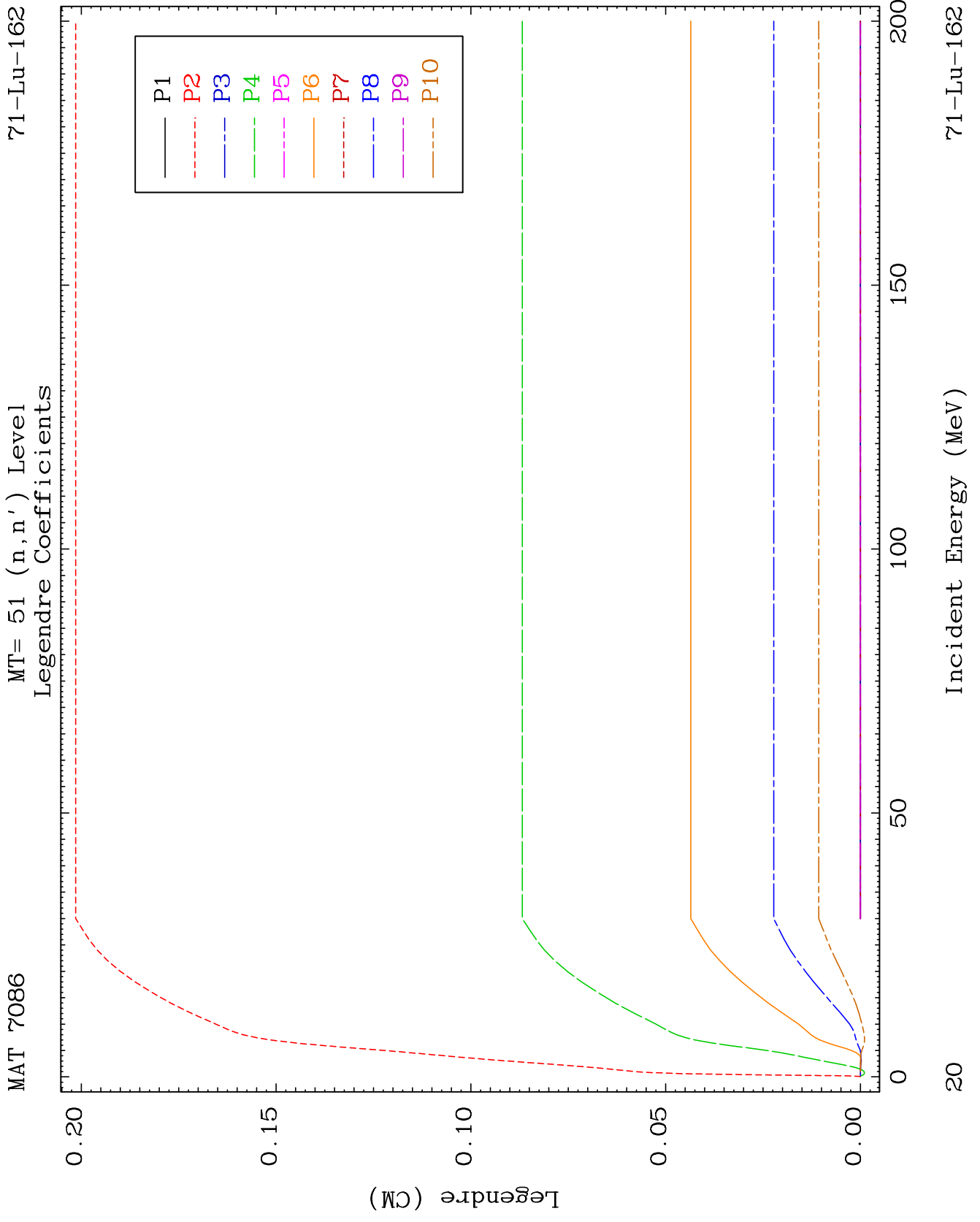
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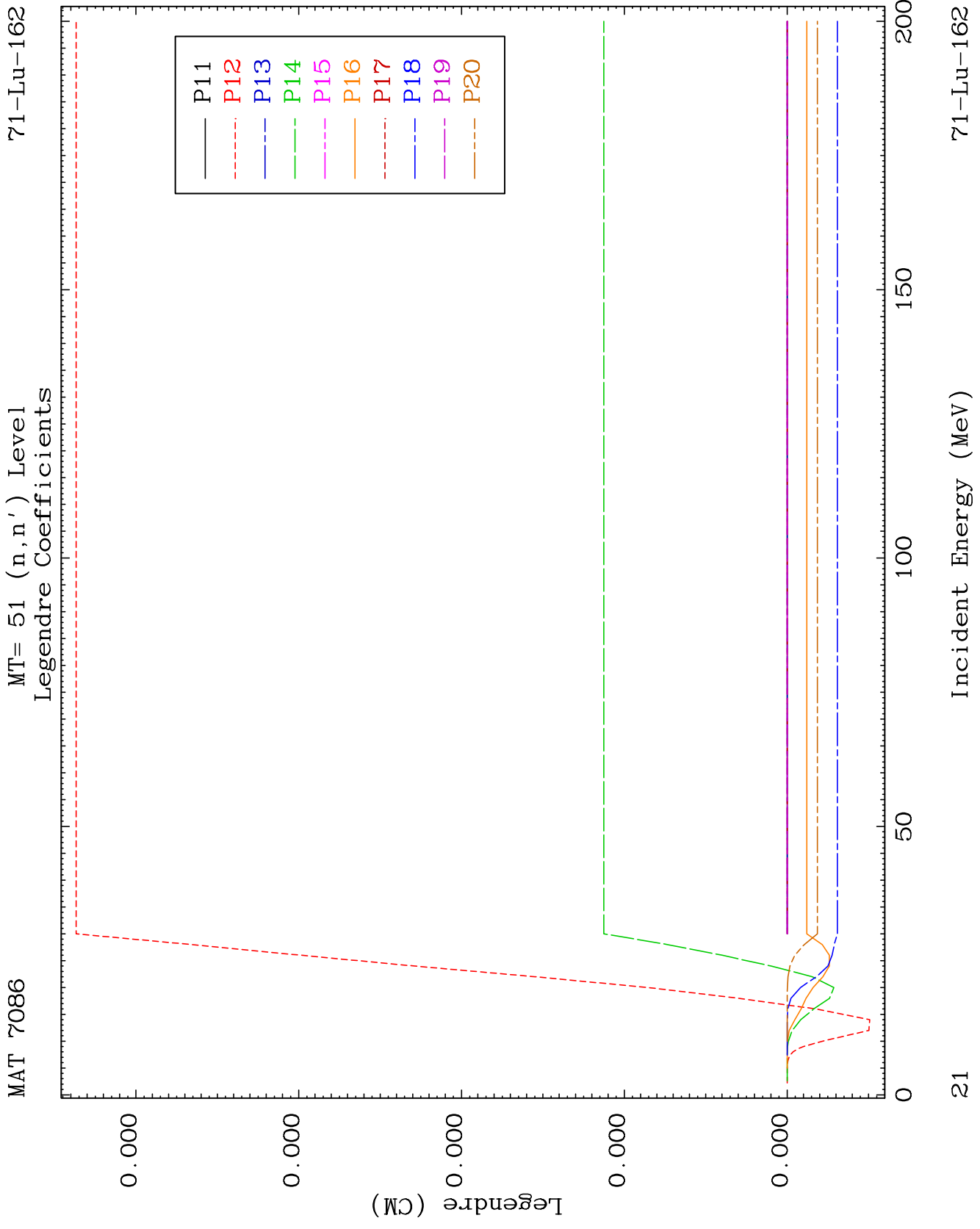
MAT 7086

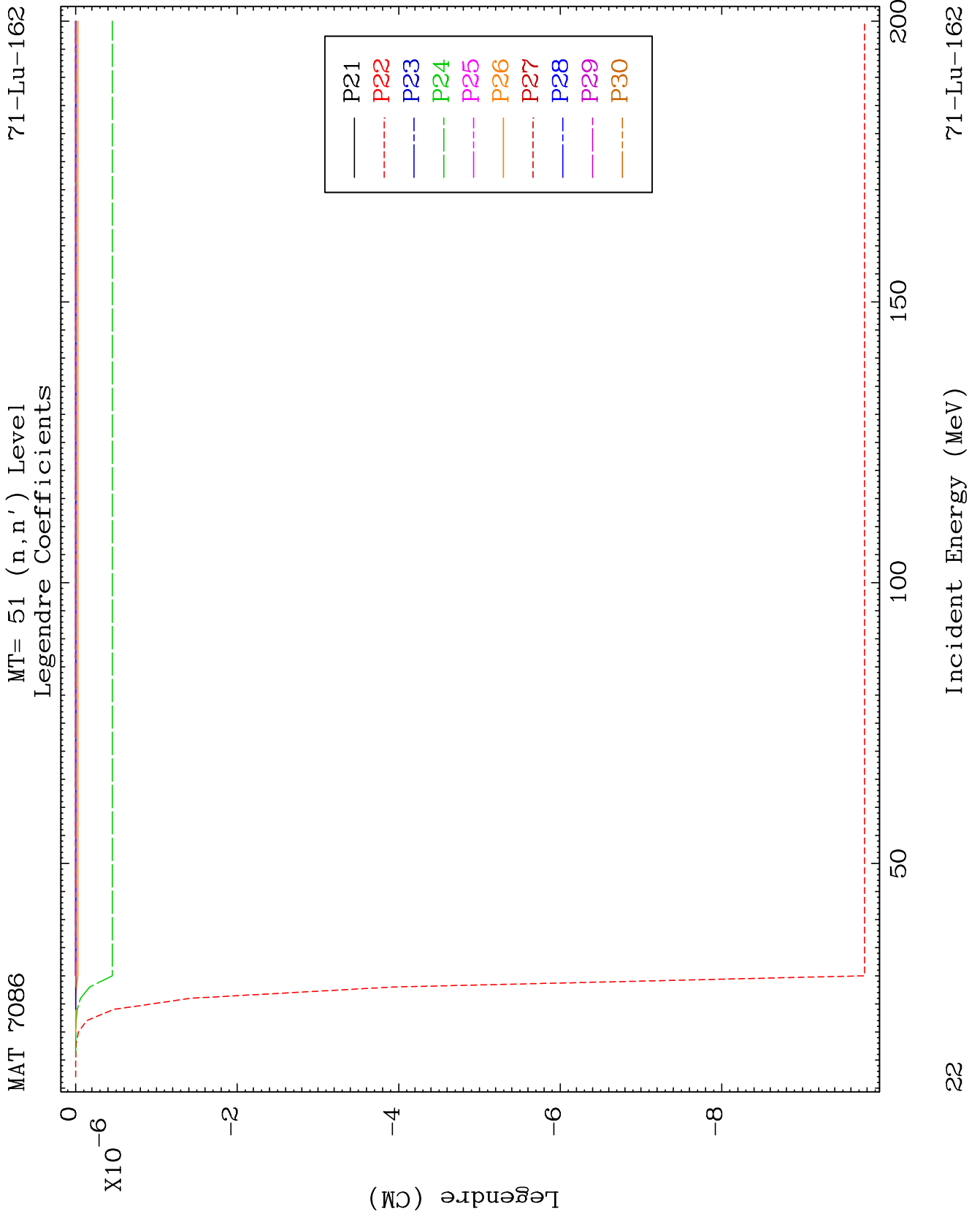
Elastic Legendre Coefficients

⁷¹Lu-162





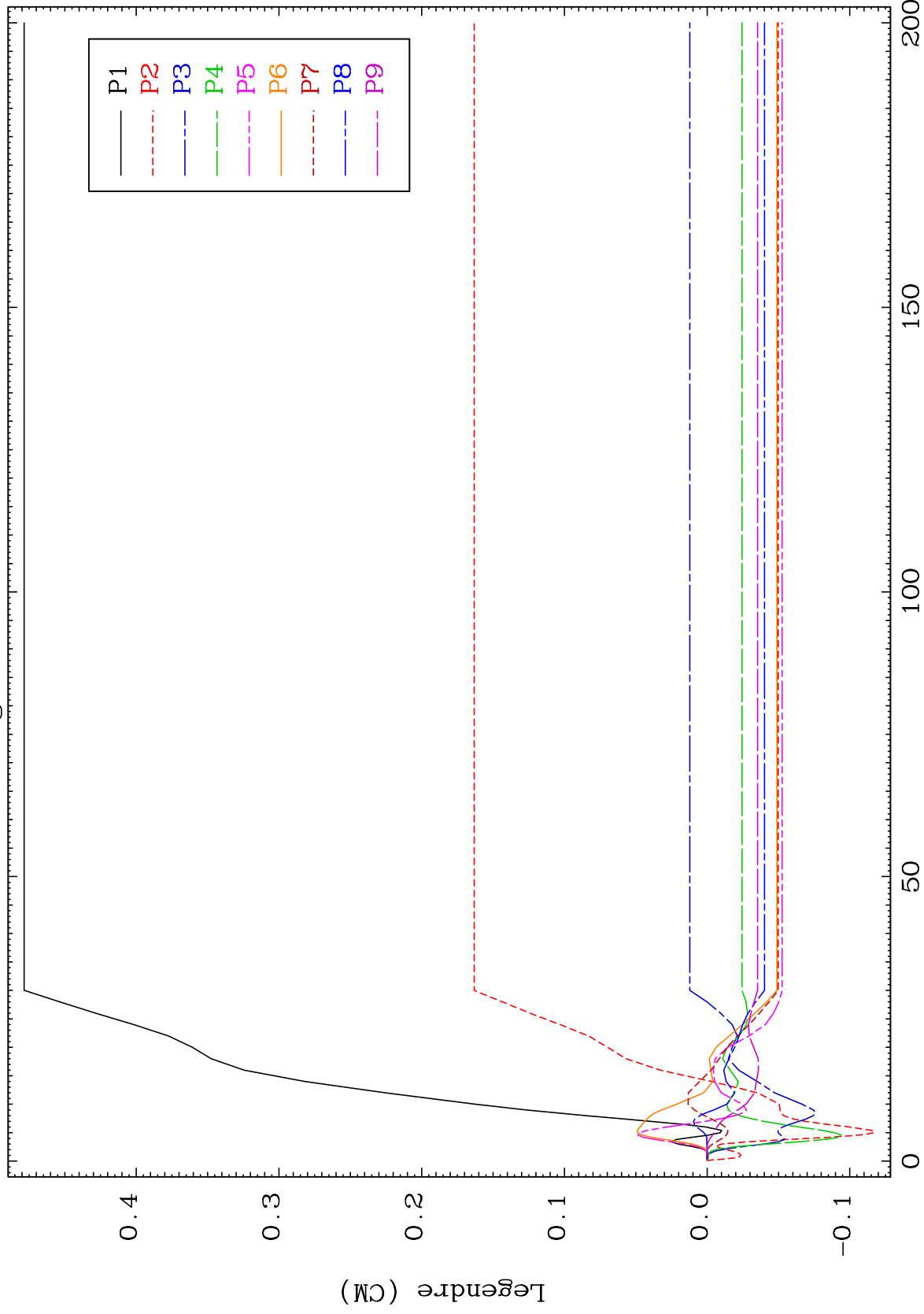




MAT 7086

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

71-Lu-162



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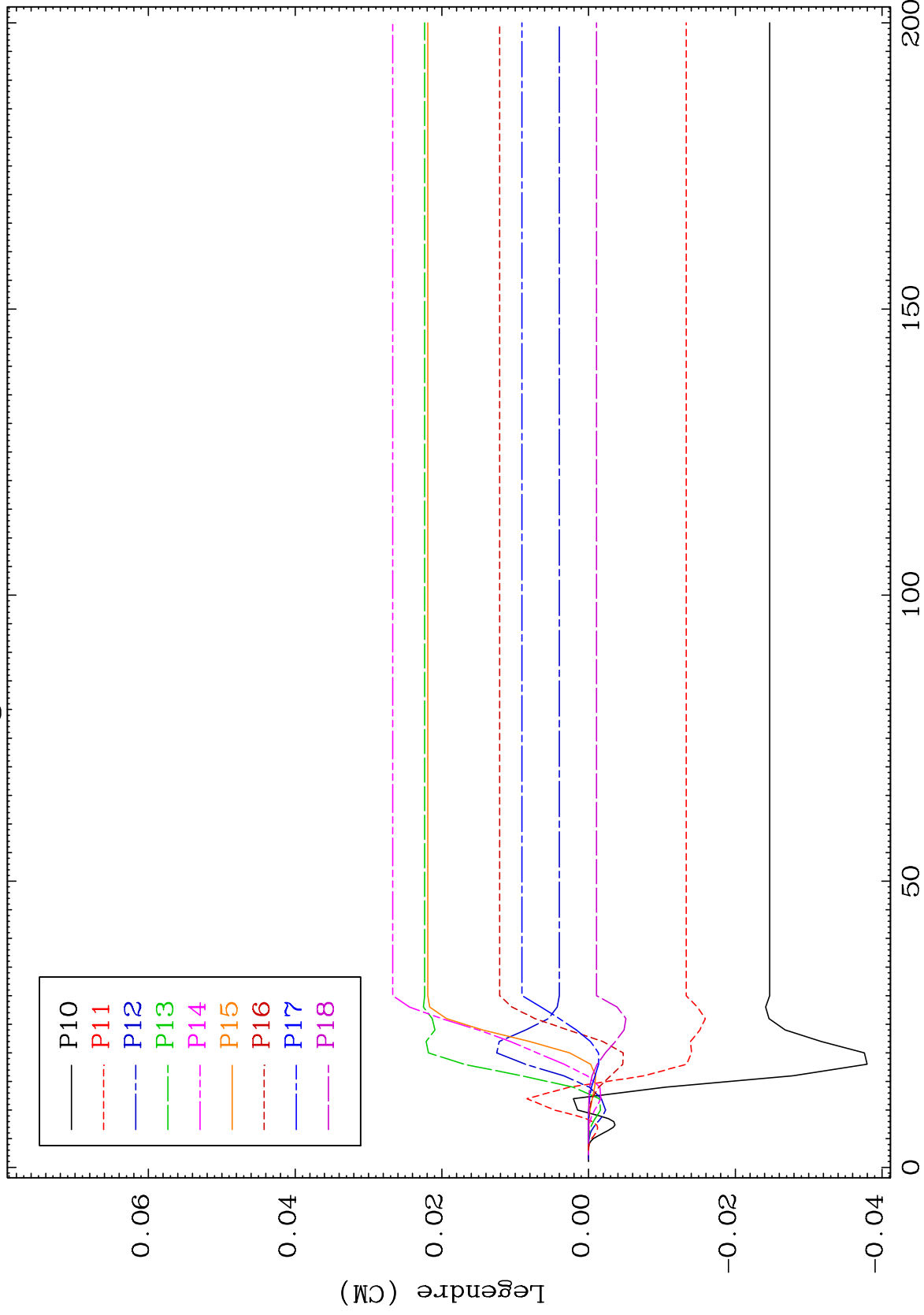
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



24

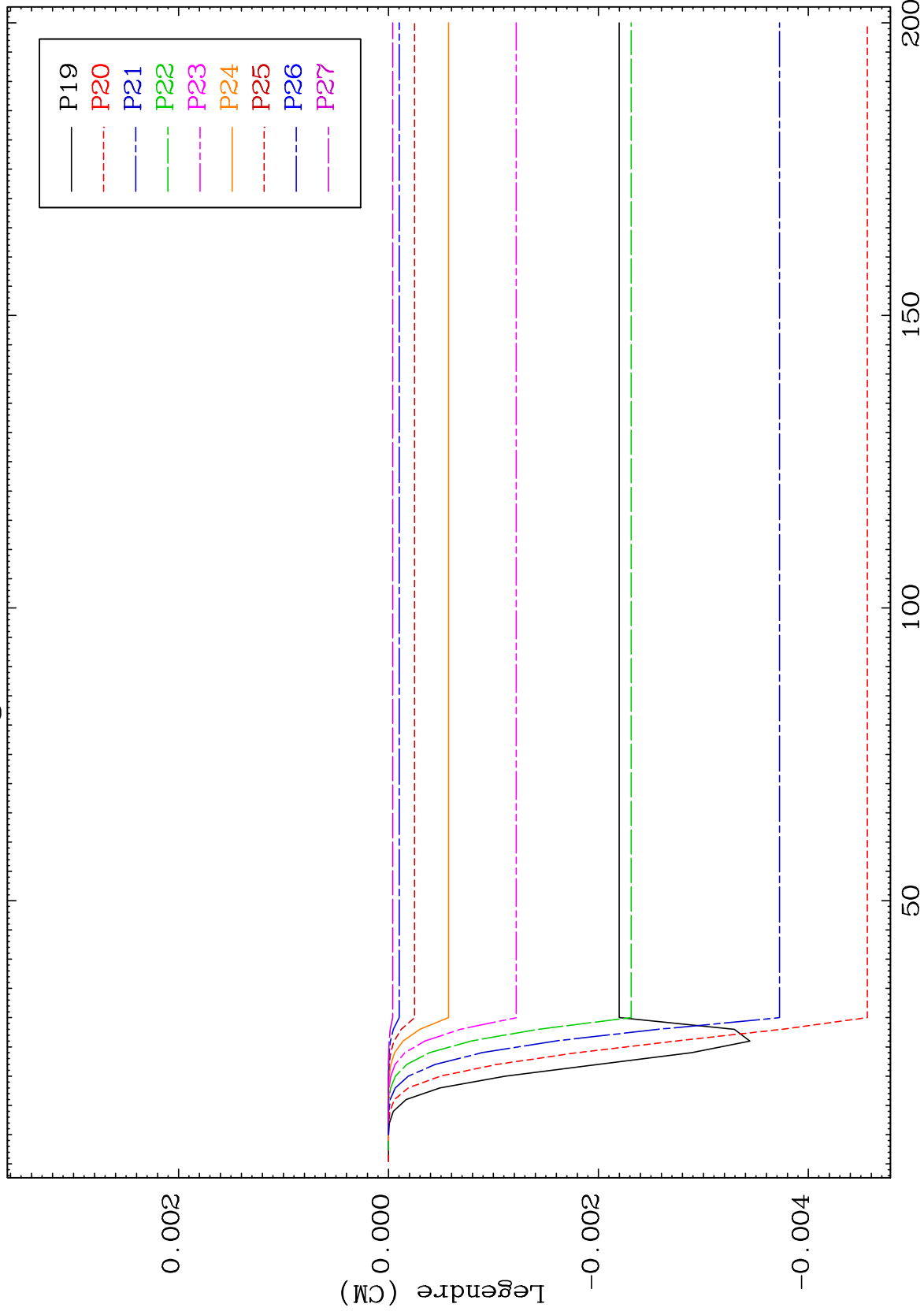
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

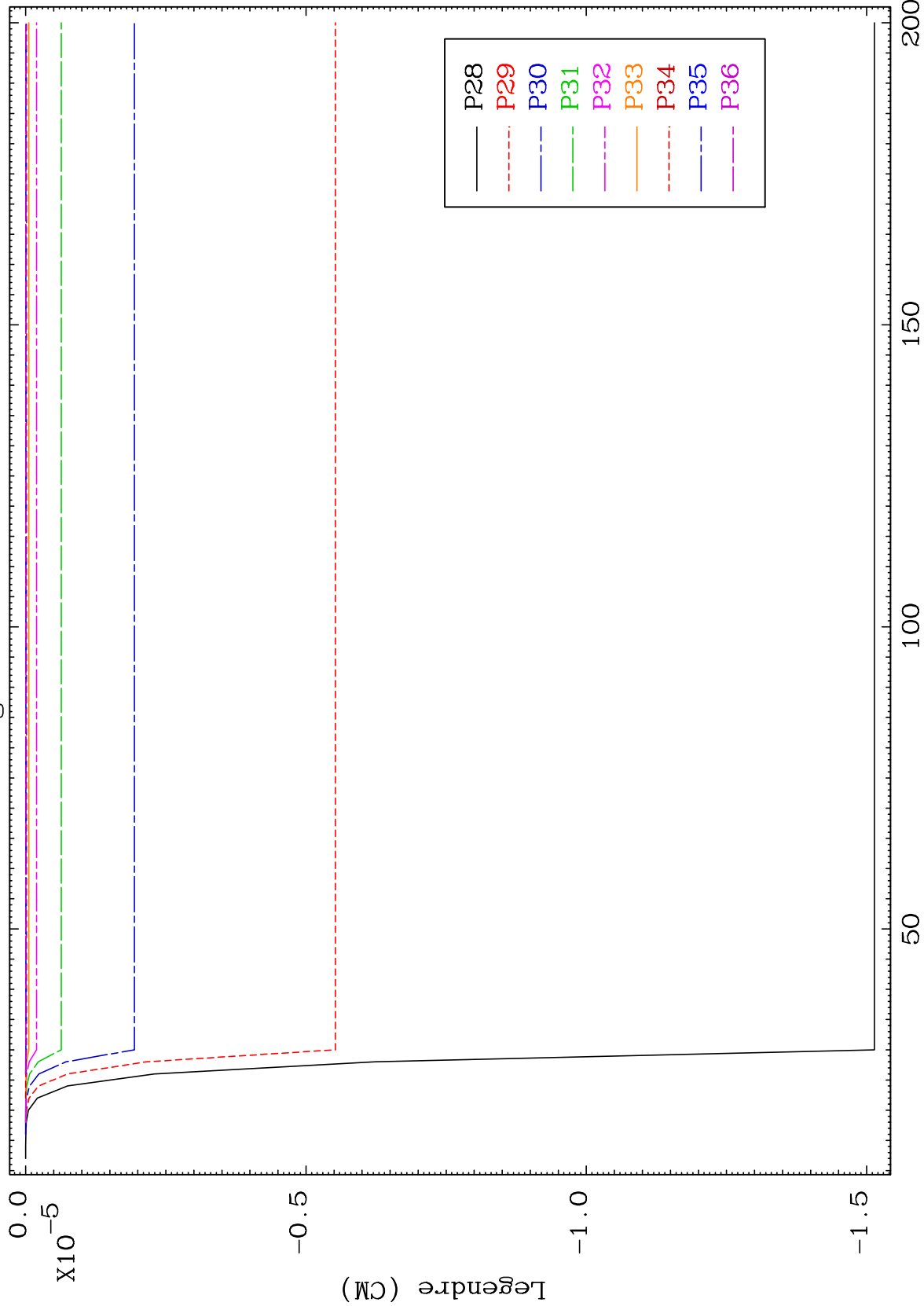
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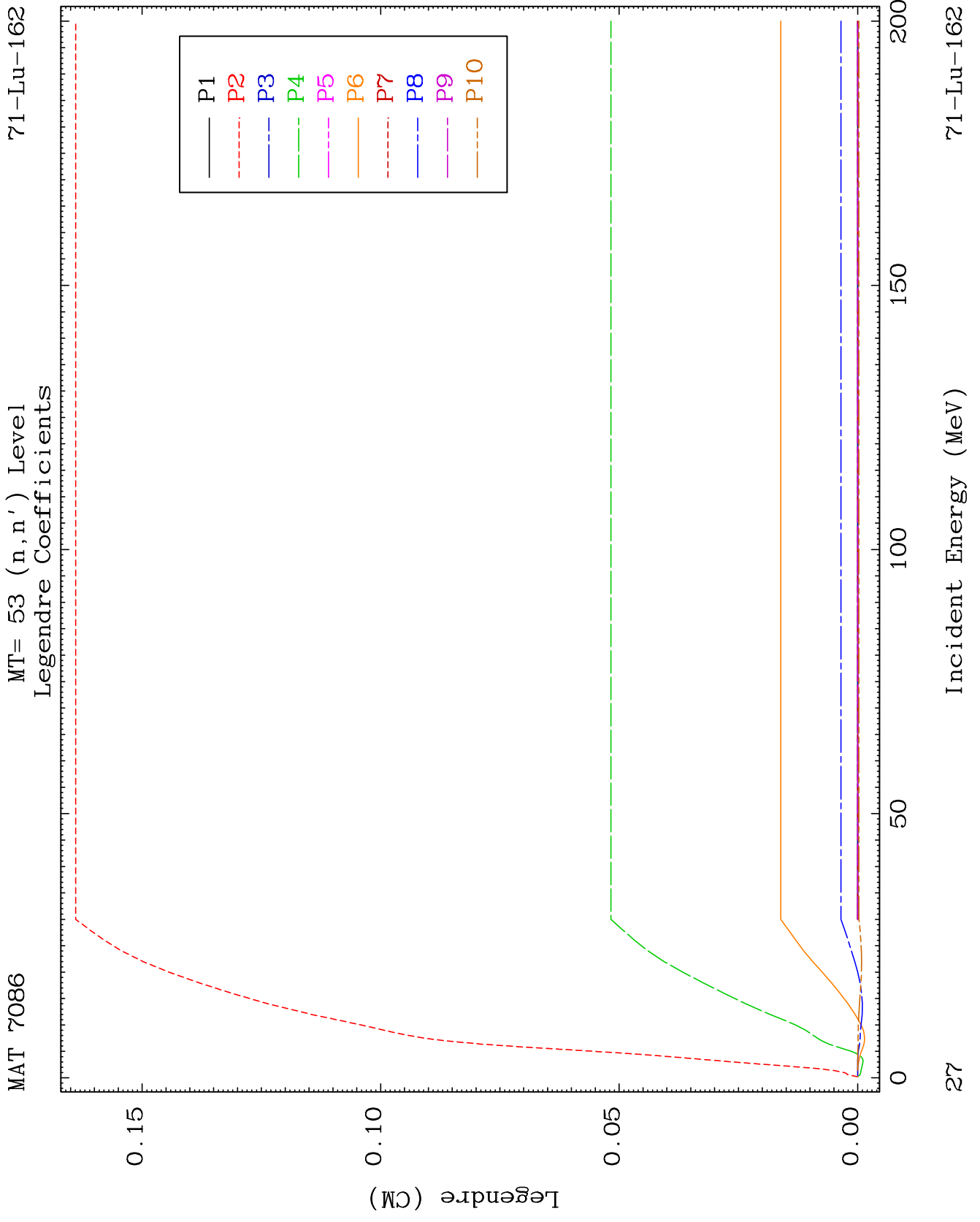


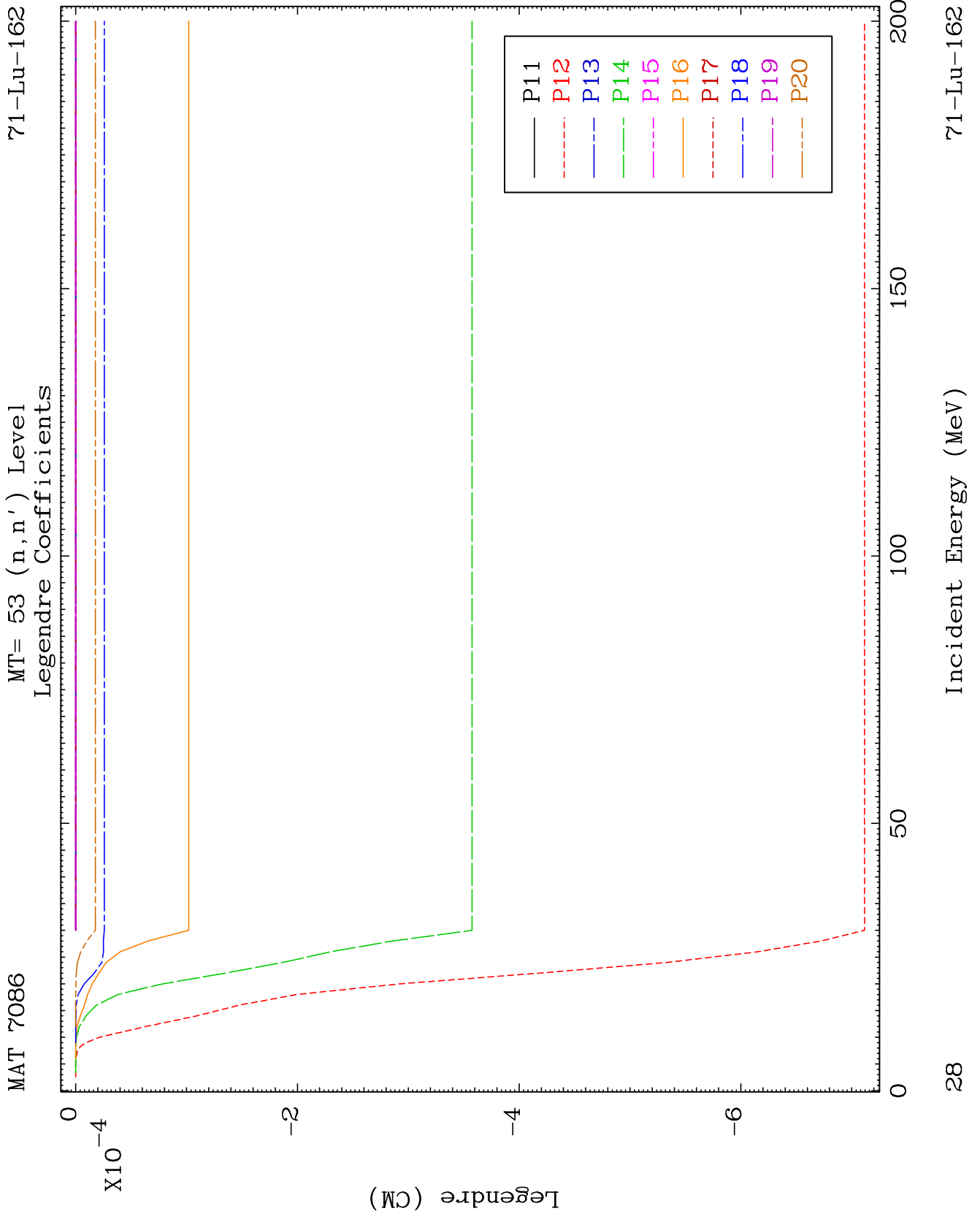
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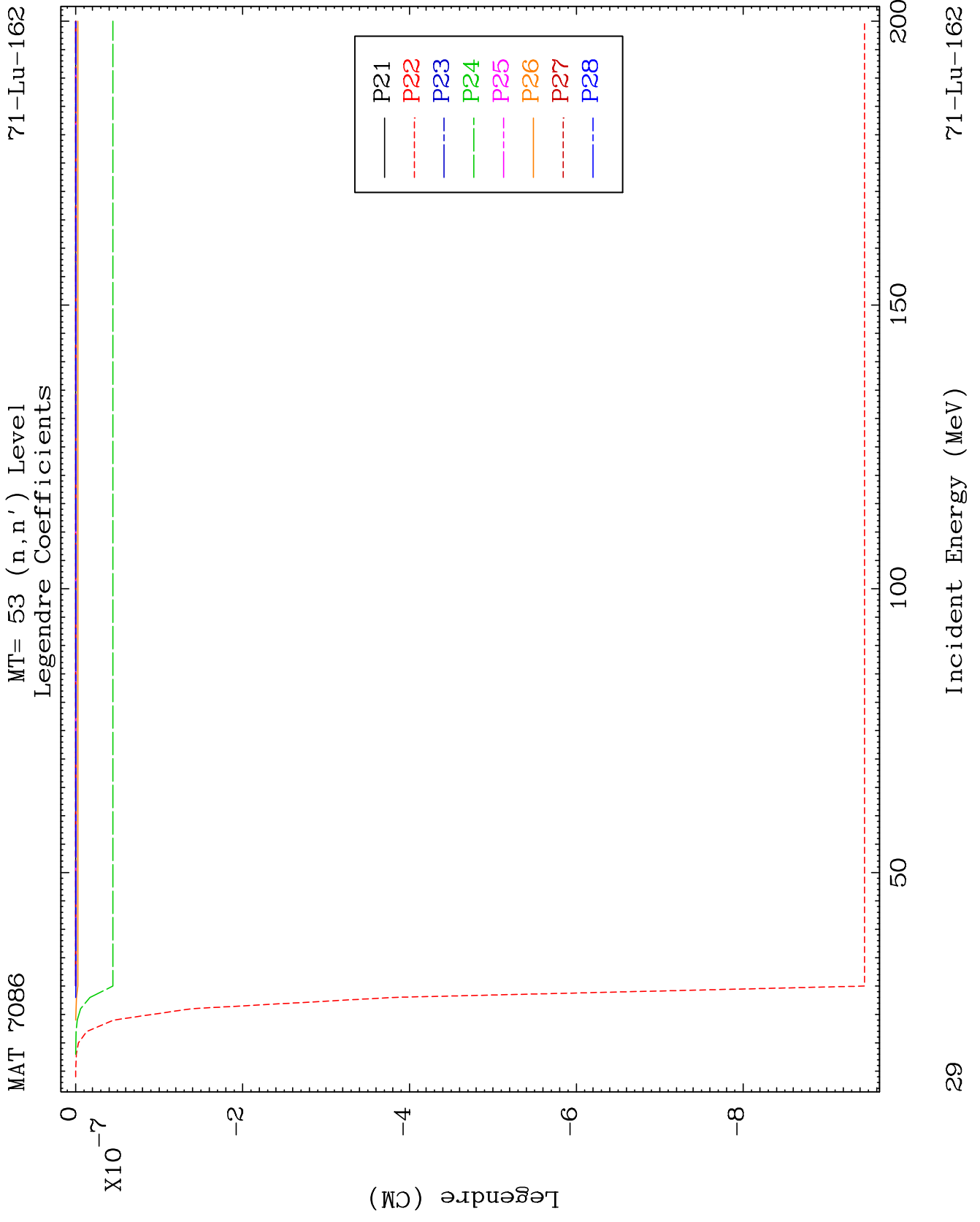
Incident Energy (MeV)

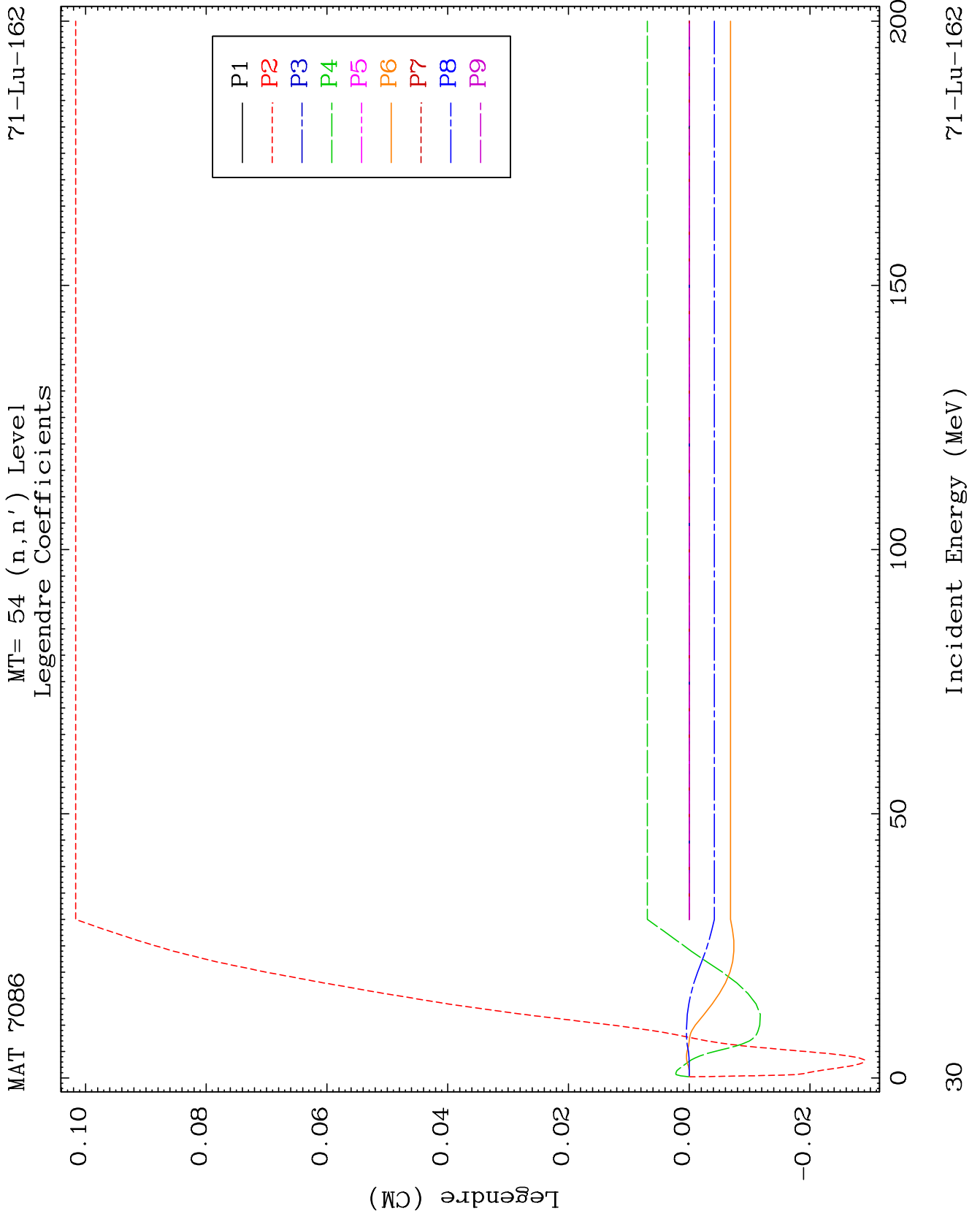
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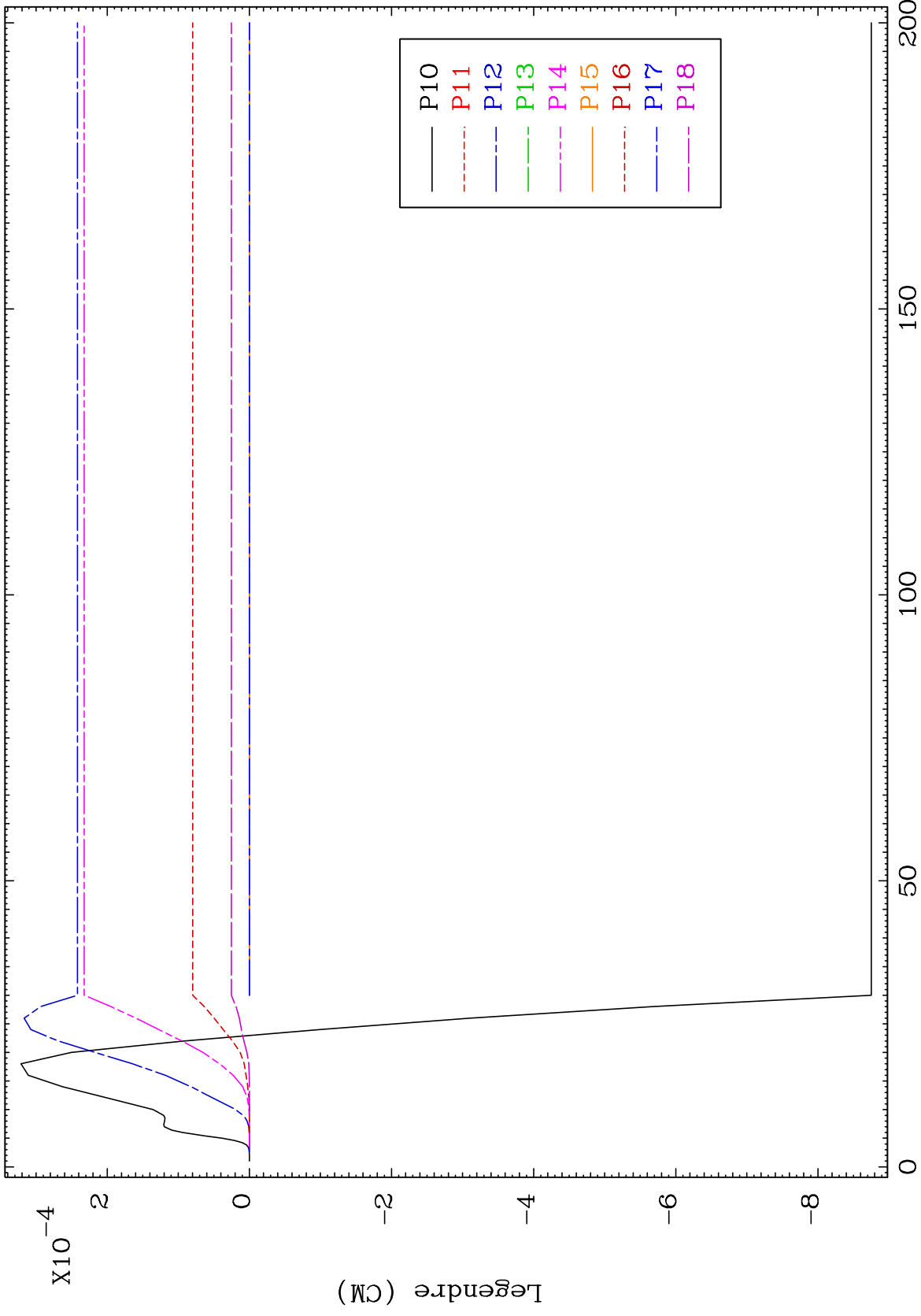




MAT 7086

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

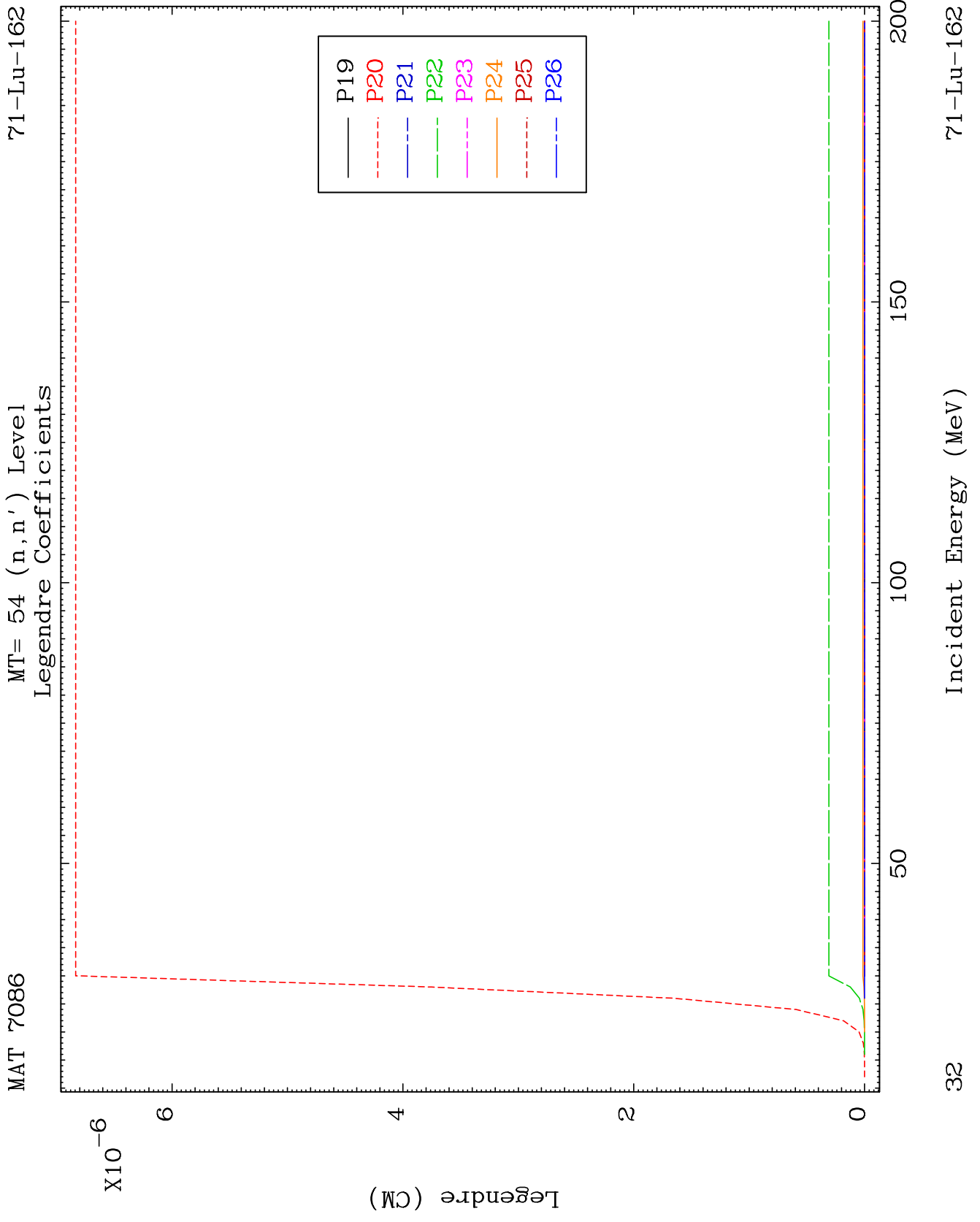
71-Lu-162



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Incident Energy (MeV)

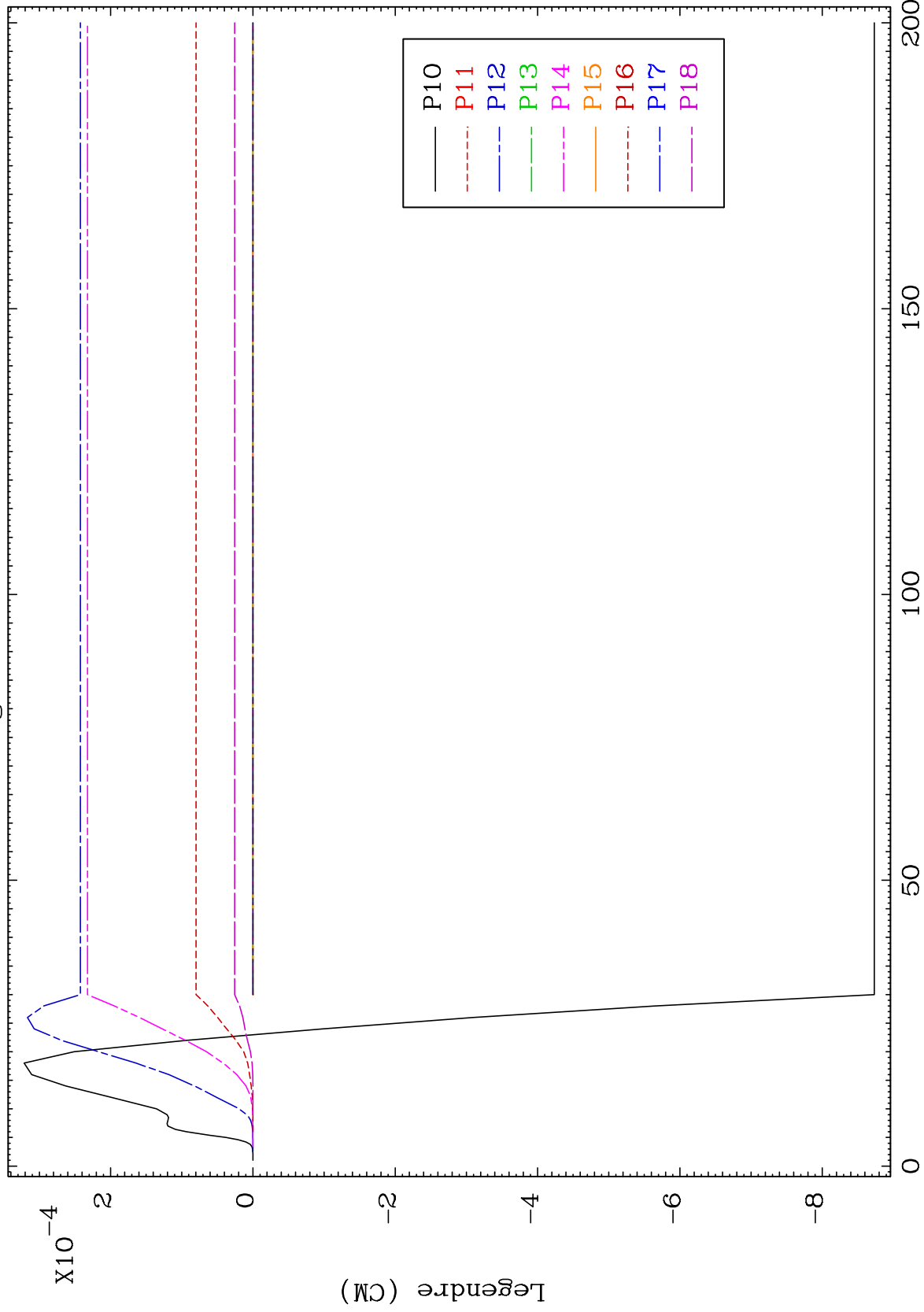
71-Lu-162



MAT 7086

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

71-Lu-162



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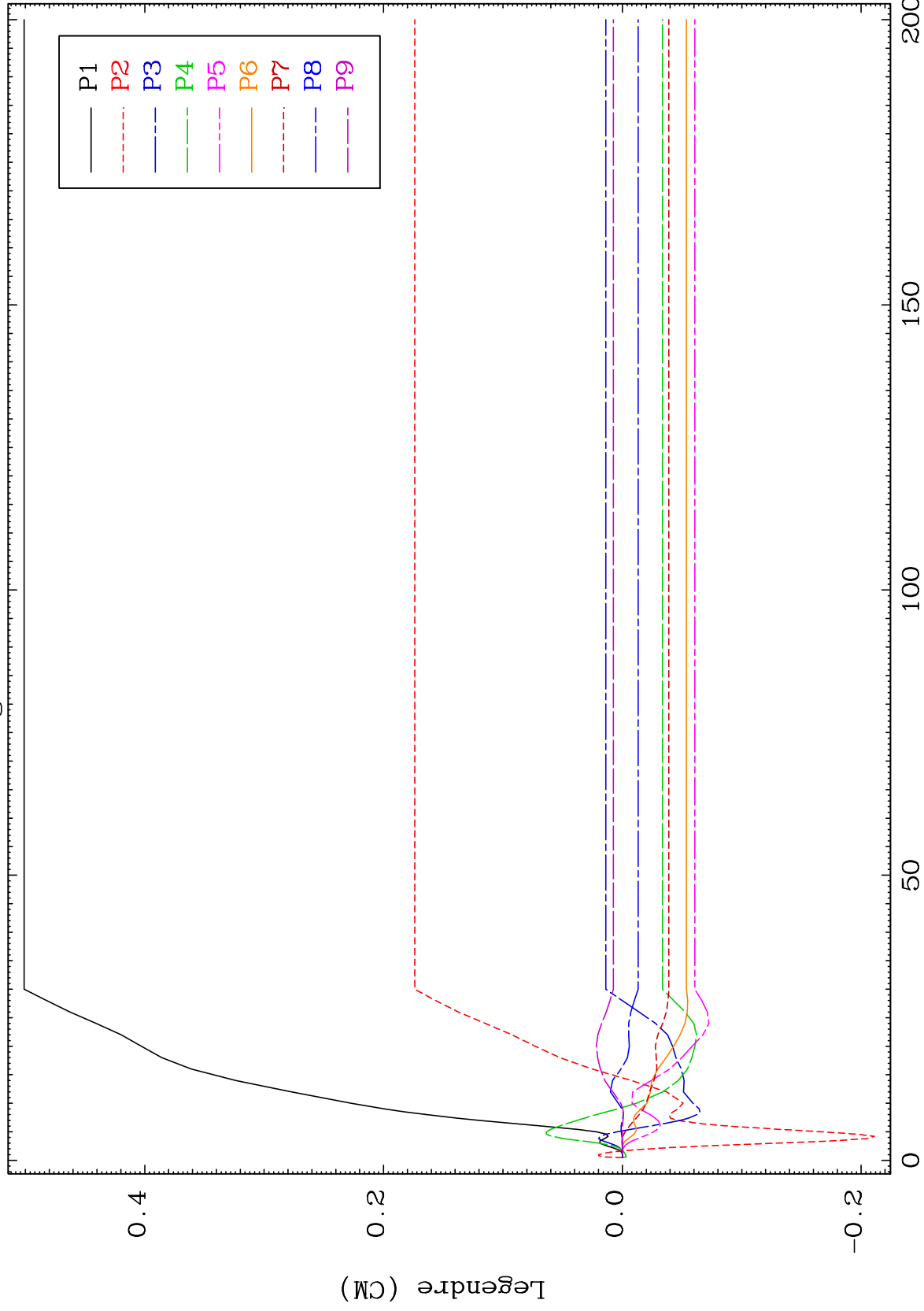
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



71-Lu-162

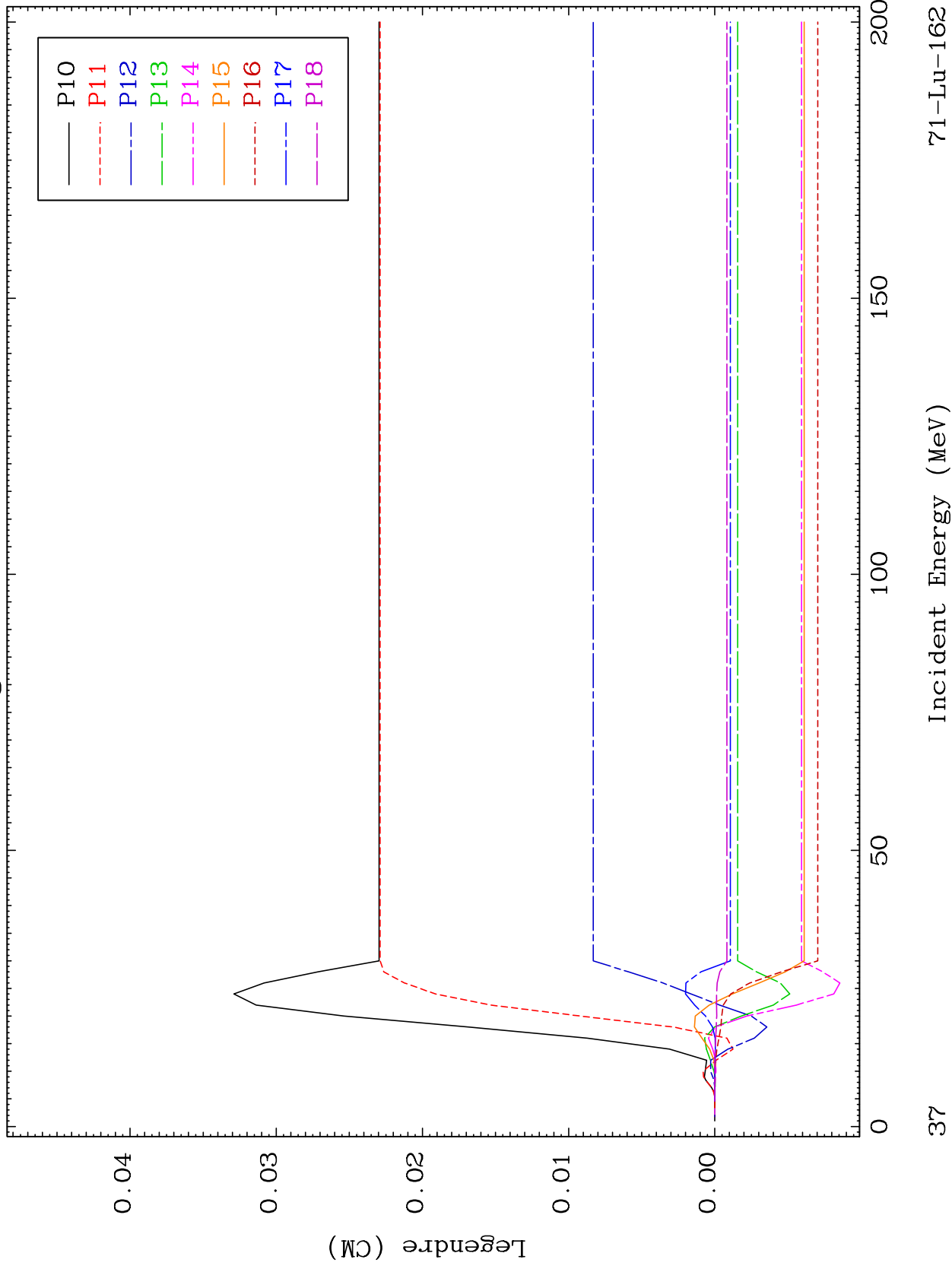
Incident Energy (MeV)

36

MAT 7086

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

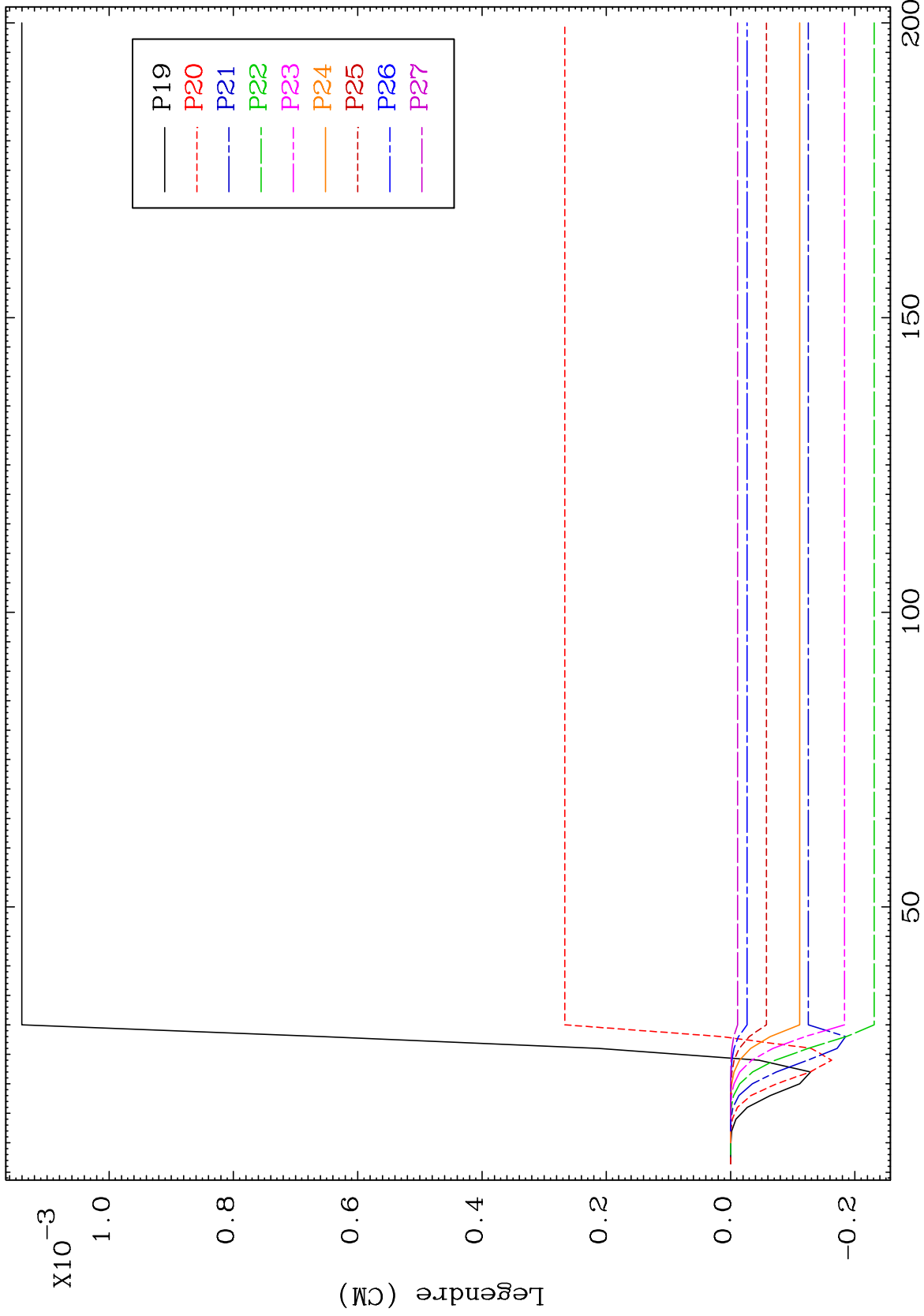
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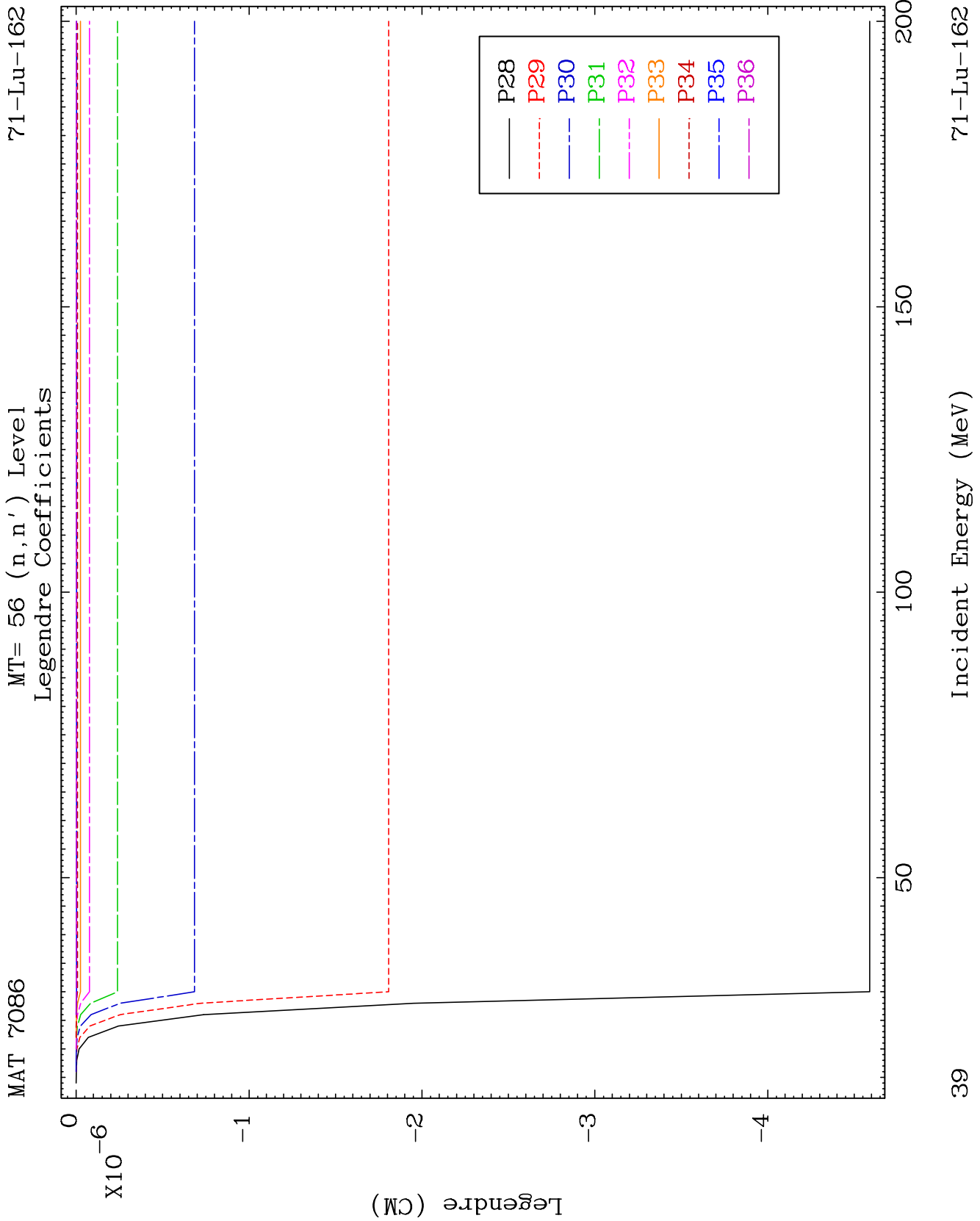


71-Lu-162

Incident Energy (MeV)

37

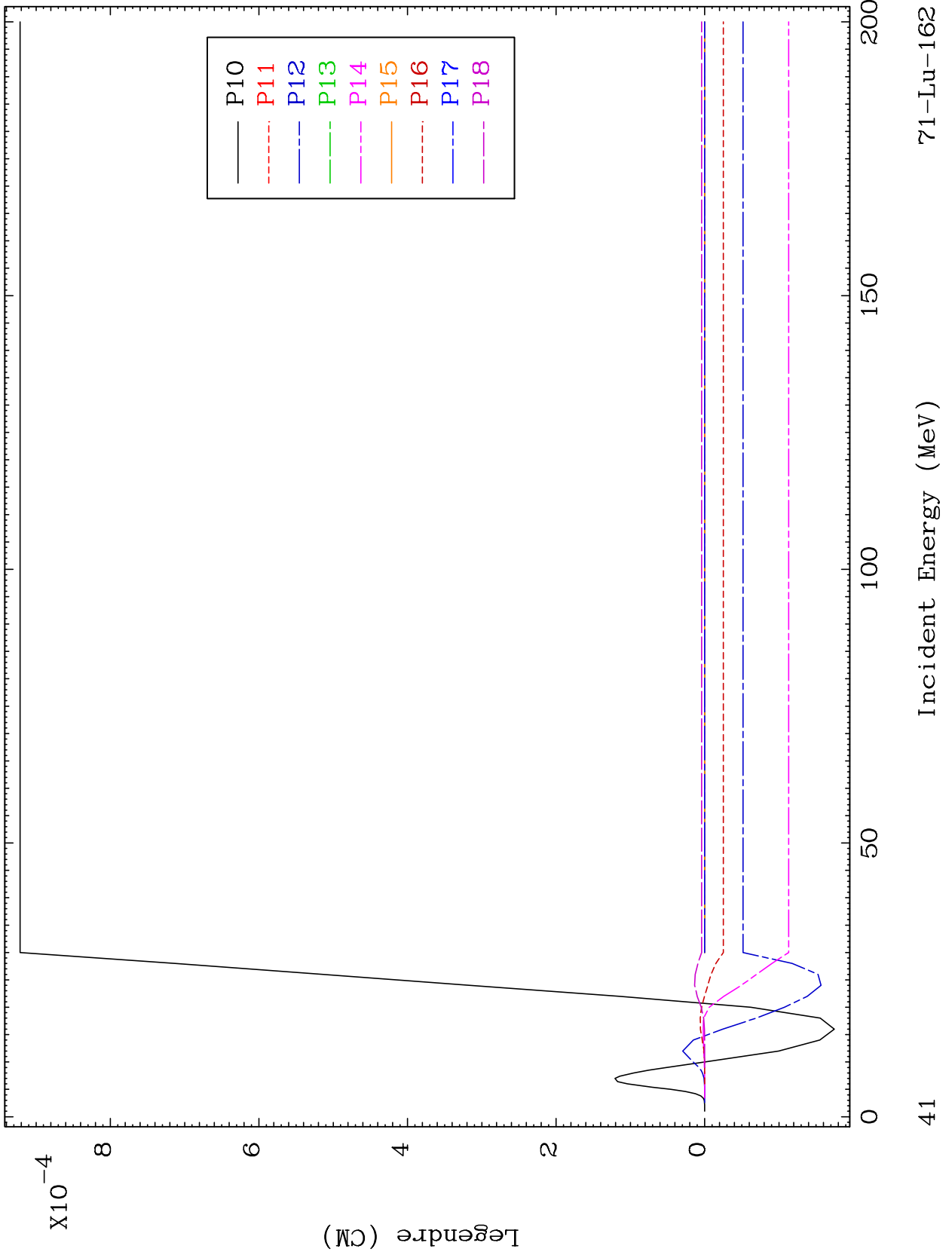




MAT 7086

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

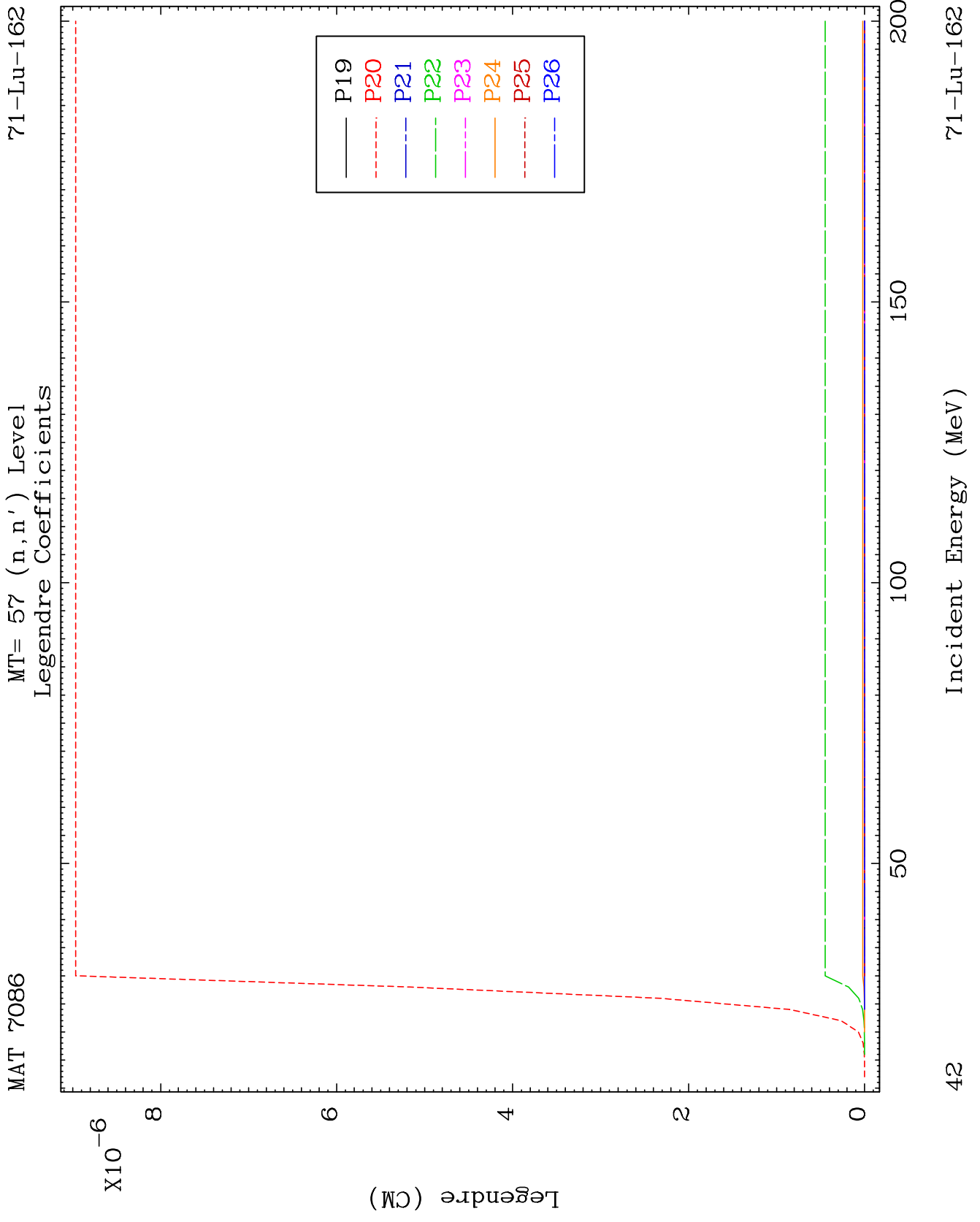
71-Lu-162



41

Incident Energy (MeV)

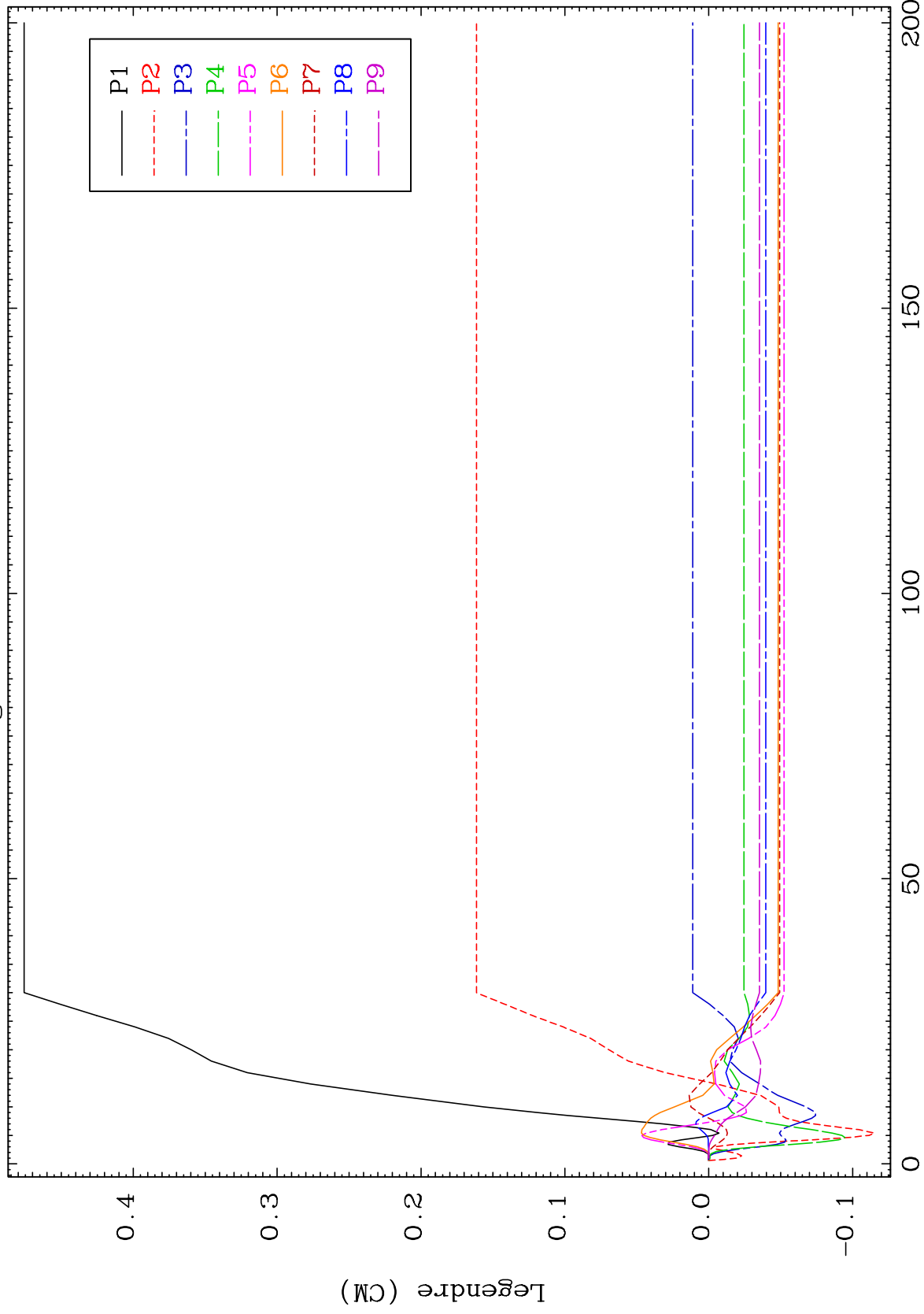
71-Lu-162



MAT 7086

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

71-Lu-162



43

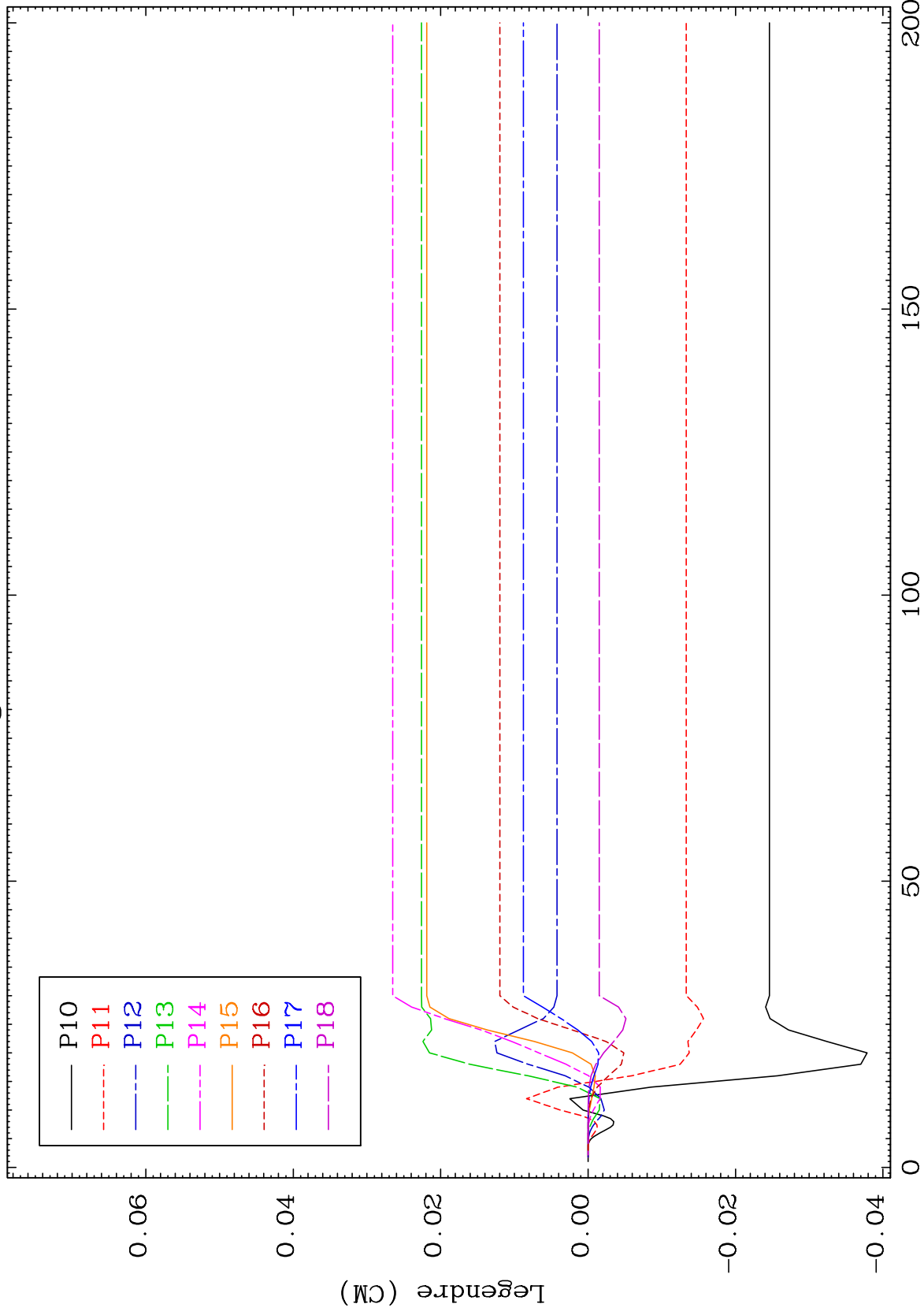
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



44

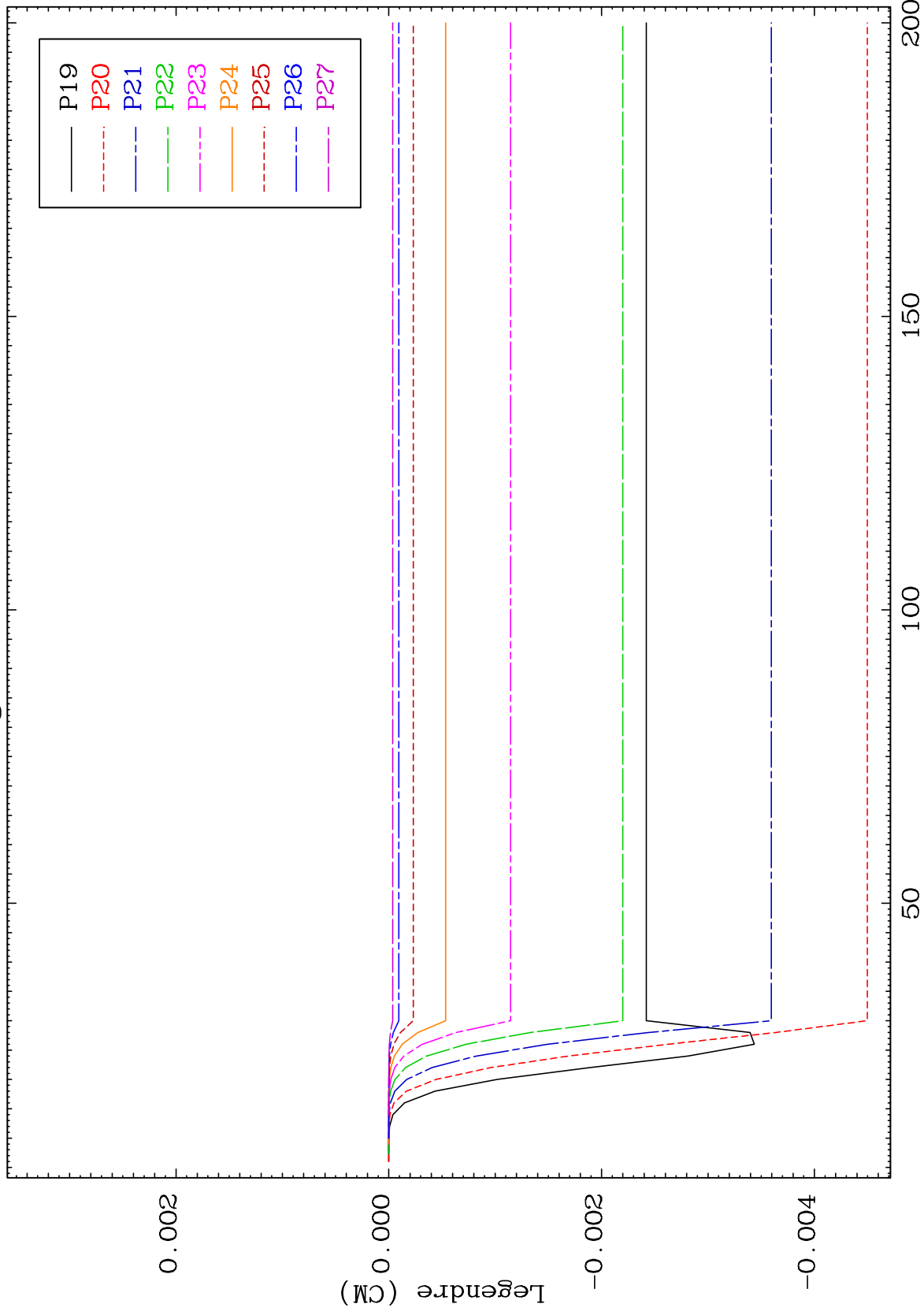
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

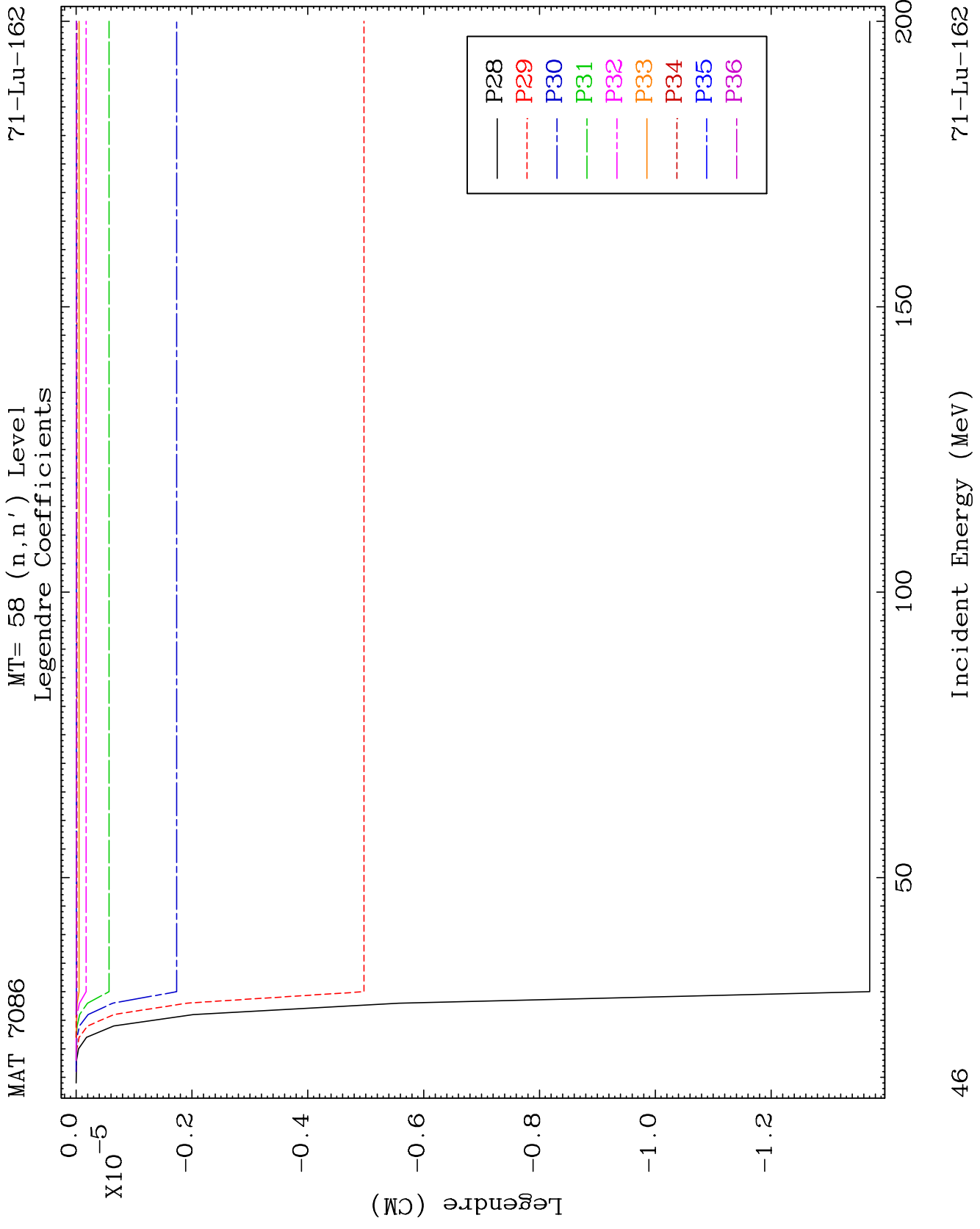
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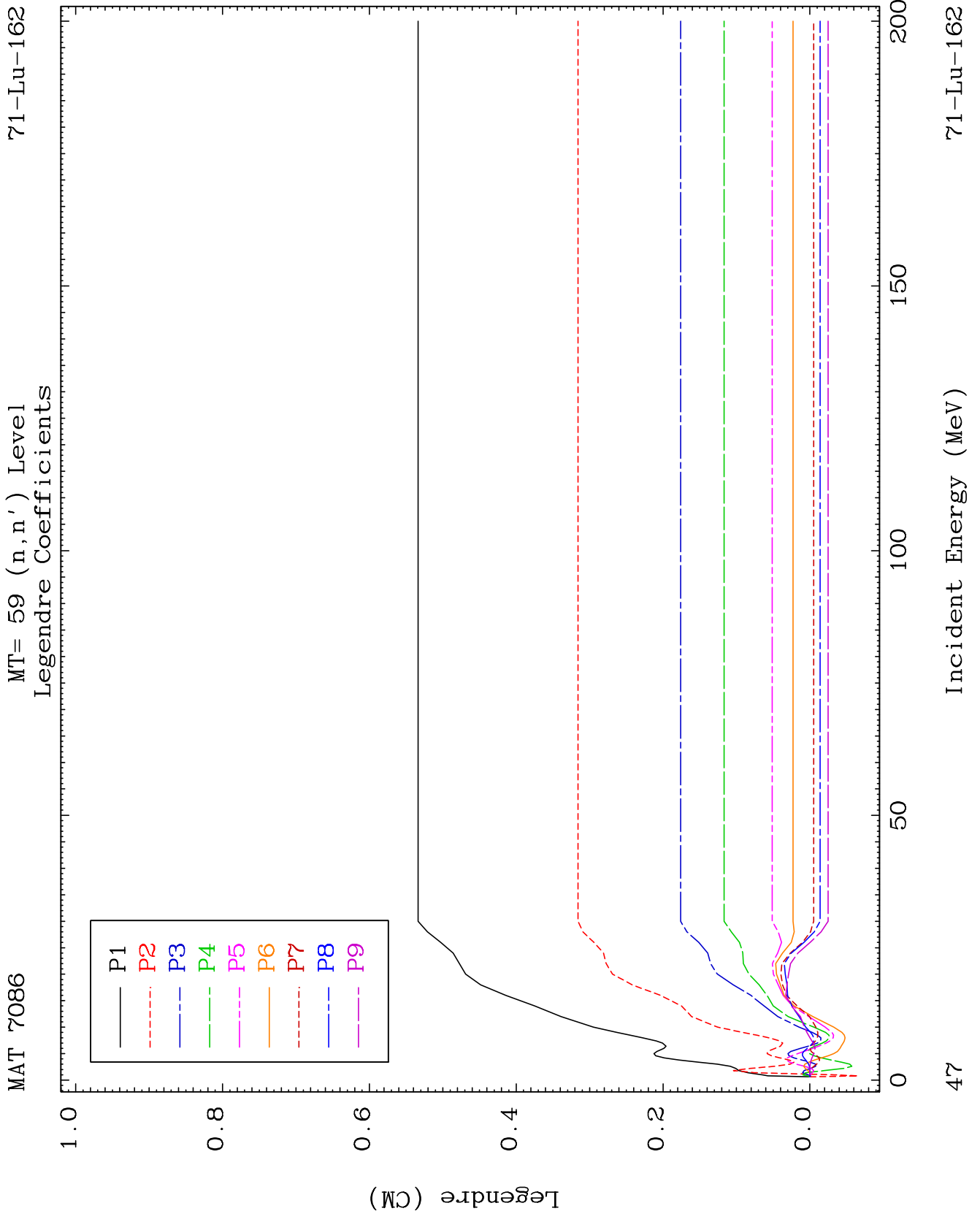


45

Incident Energy (MeV)

71-Lu-162

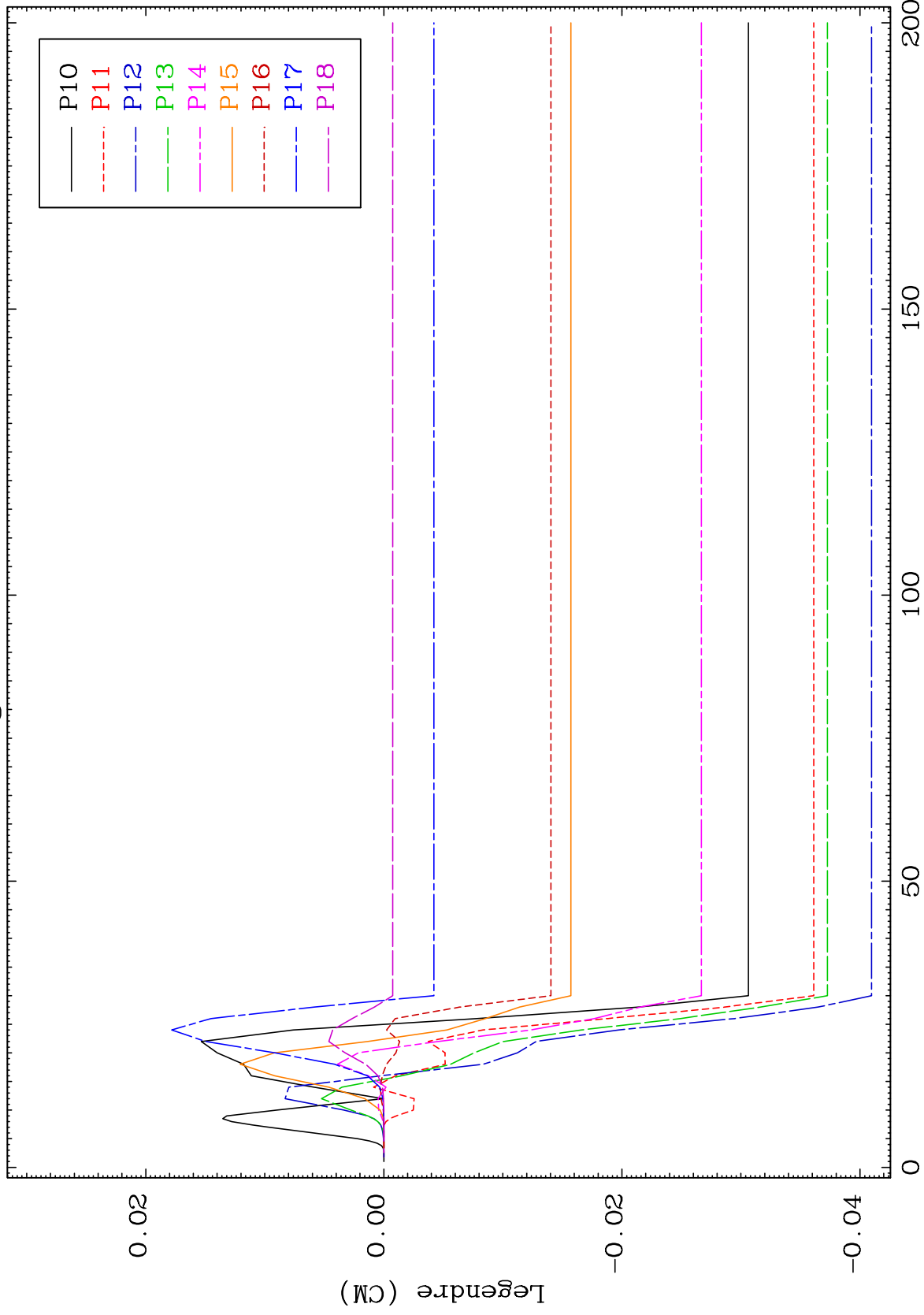




MAT 7086

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

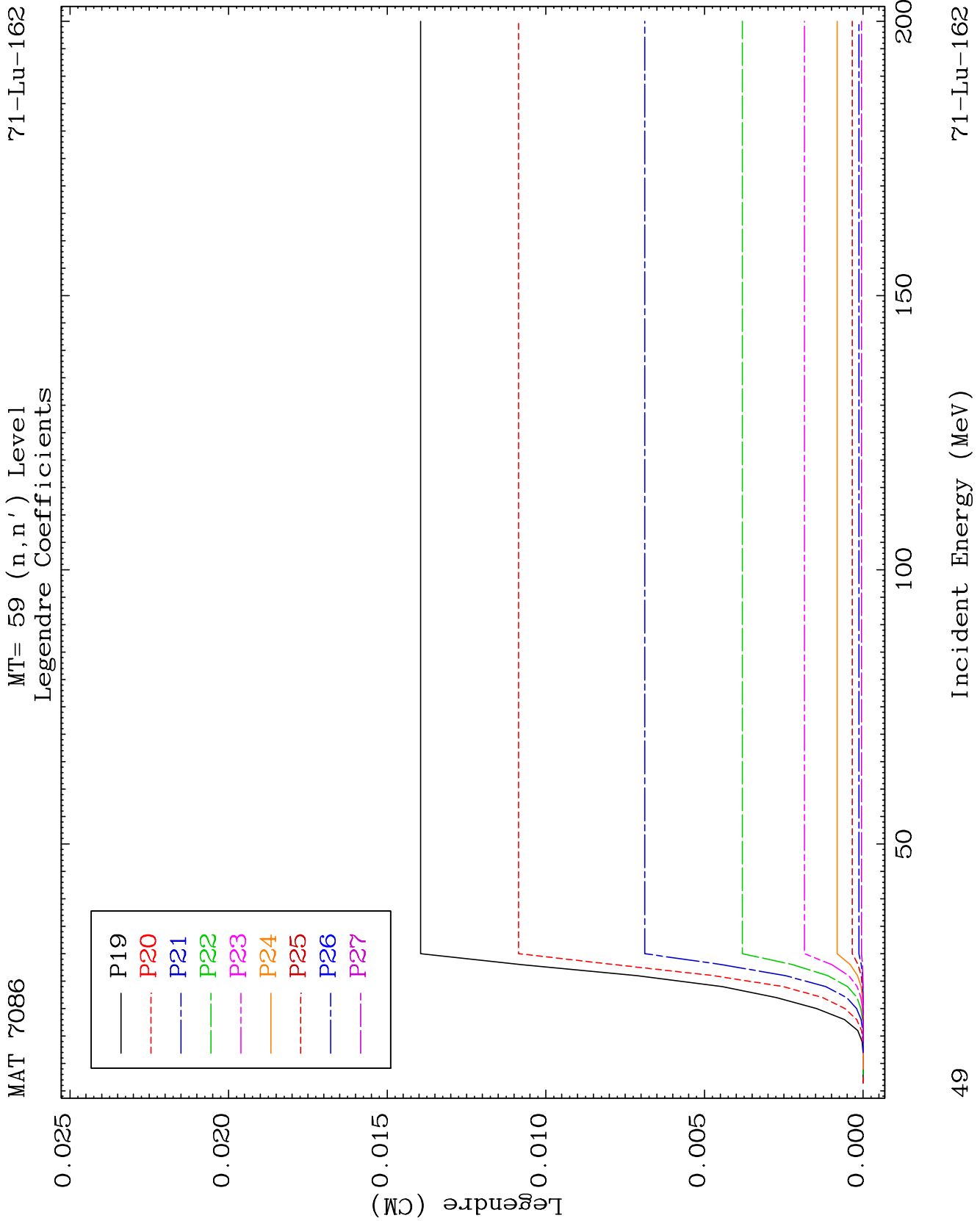
71-Lu-162



48

Incident Energy (MeV)

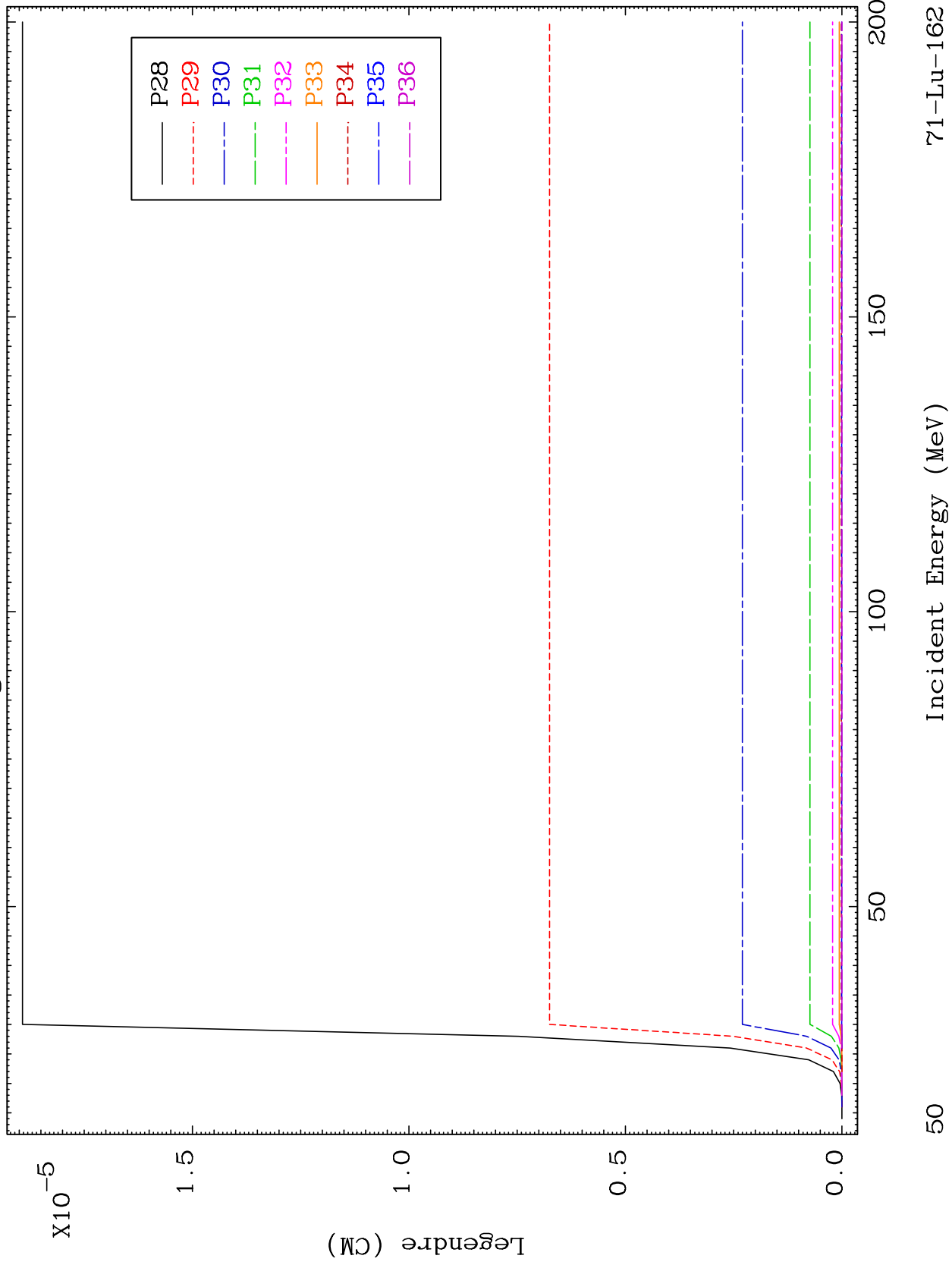
71-Lu-162



MAT 7086

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

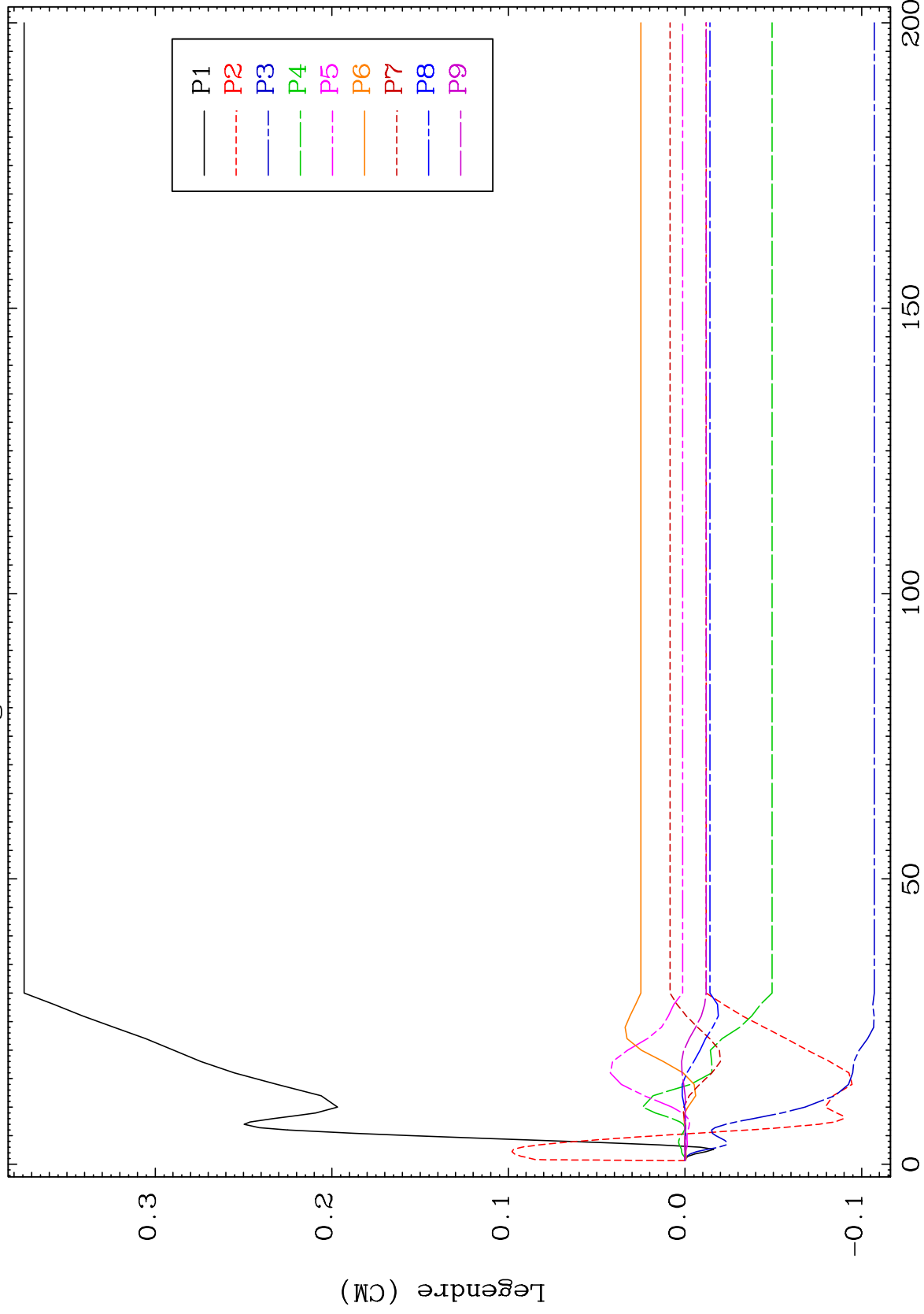
71-Lu-162



MAT 7086

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

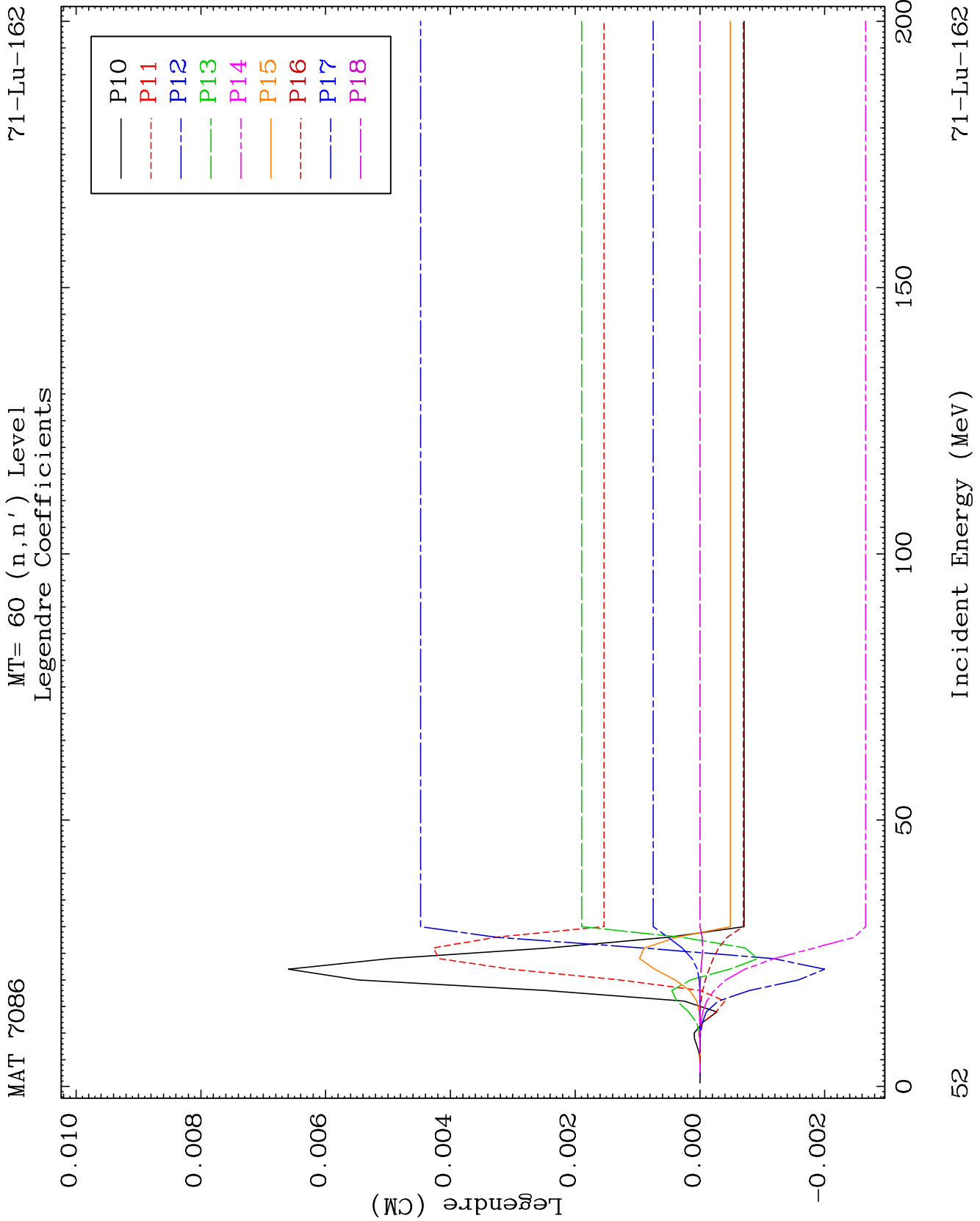
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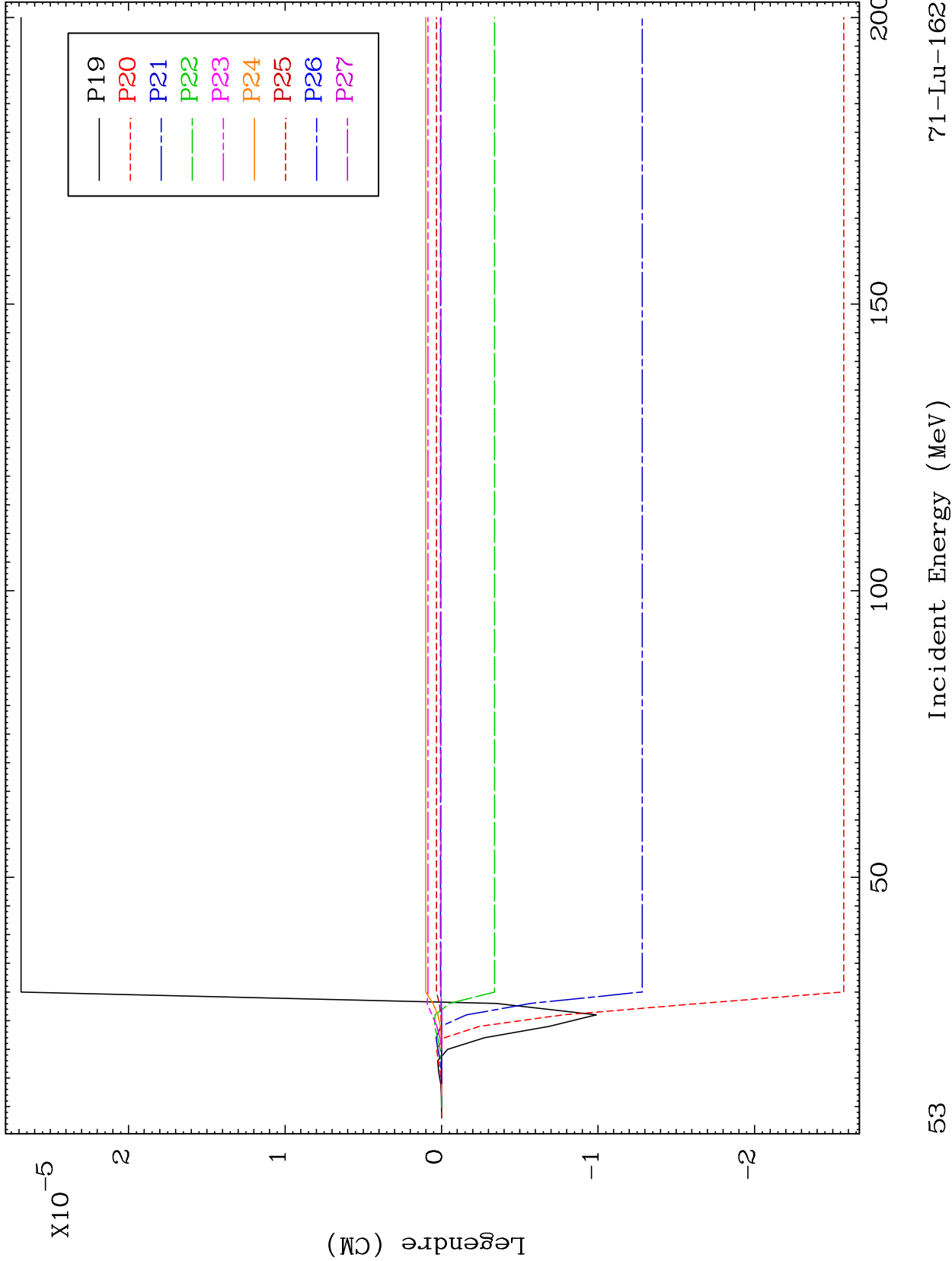


51

Incident Energy (MeV)

71-Lu-162

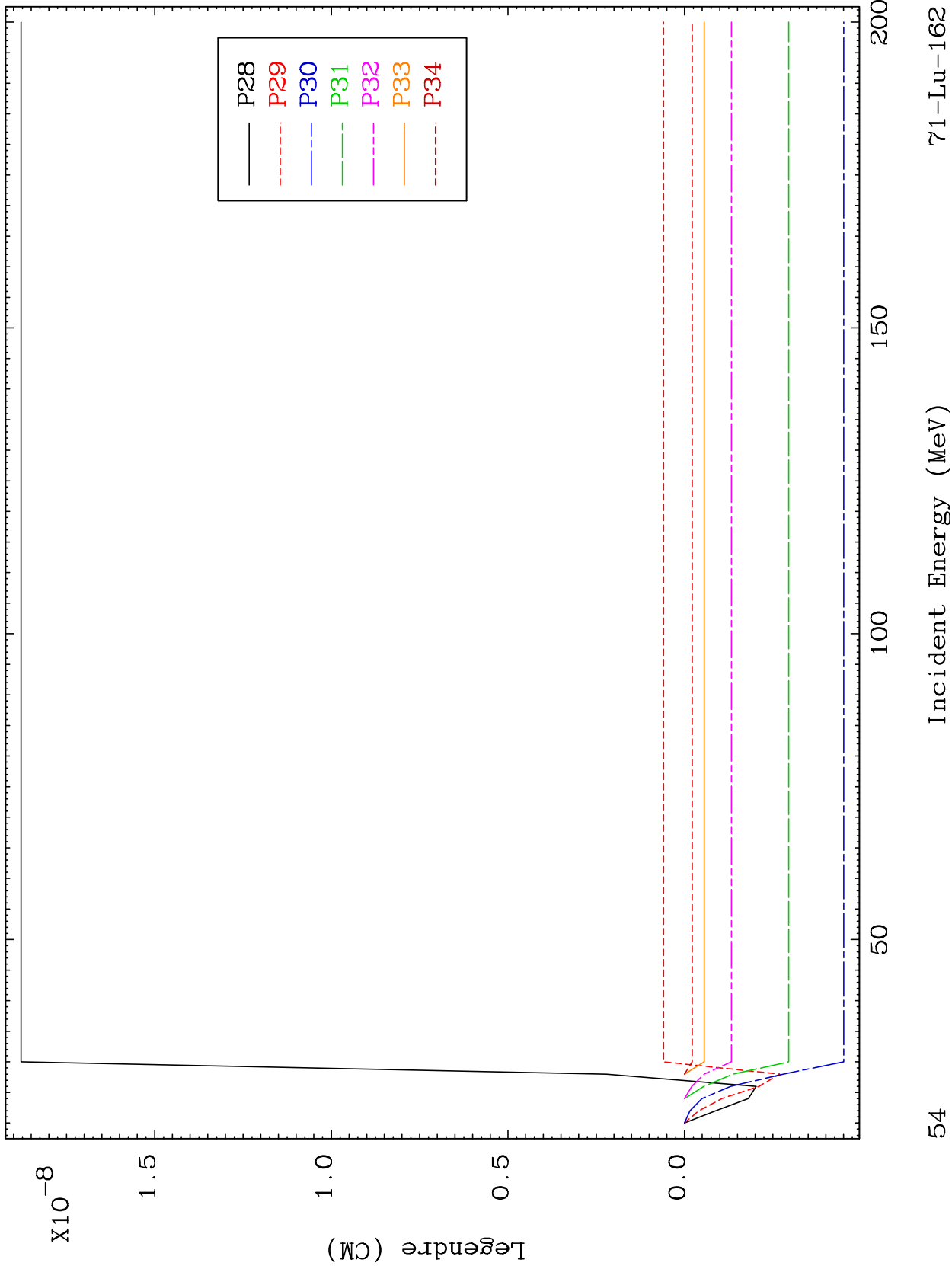




MAT 7086

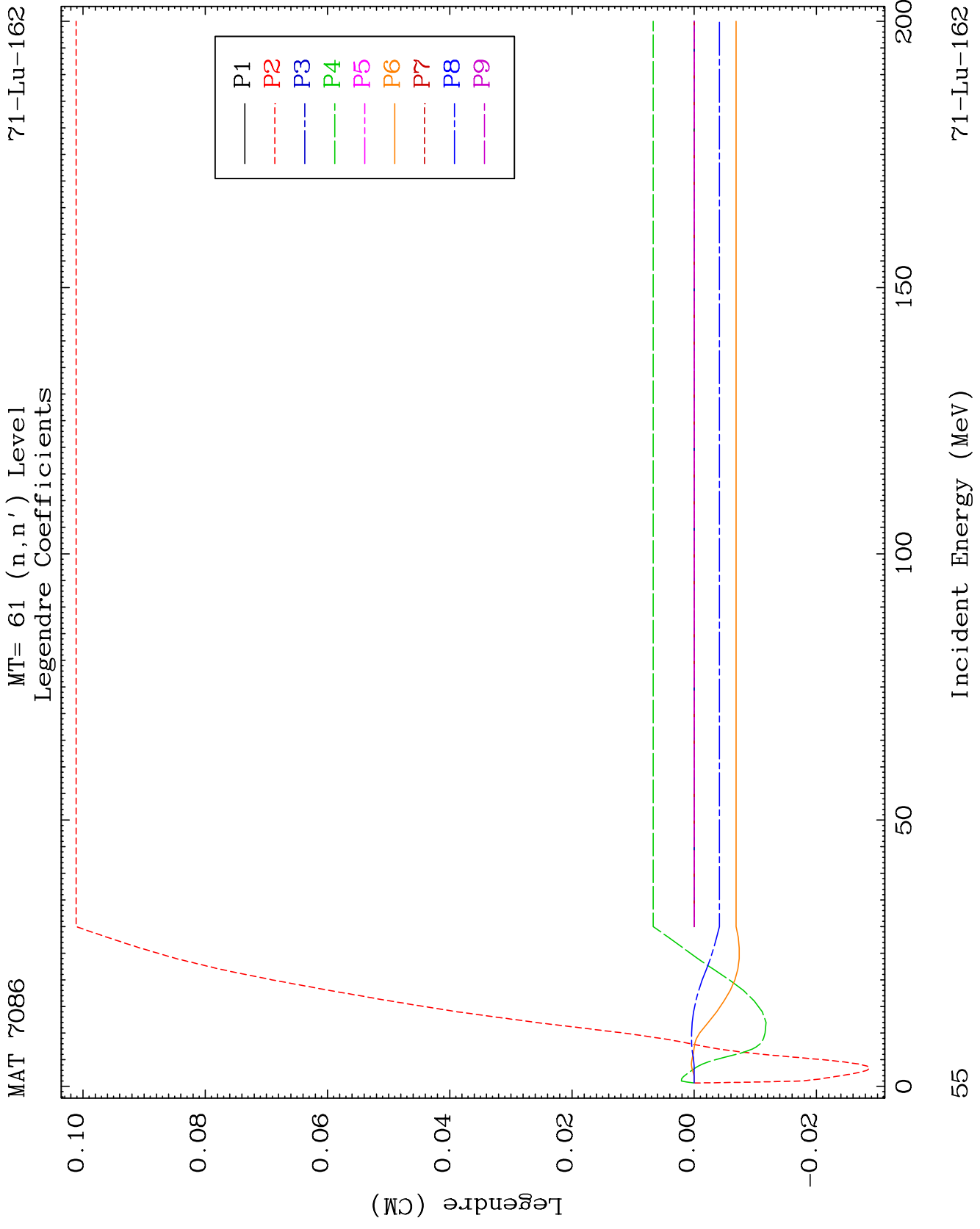
MT= 60 (n,n') Level
Legendre Coefficients

71-Lu-162



54

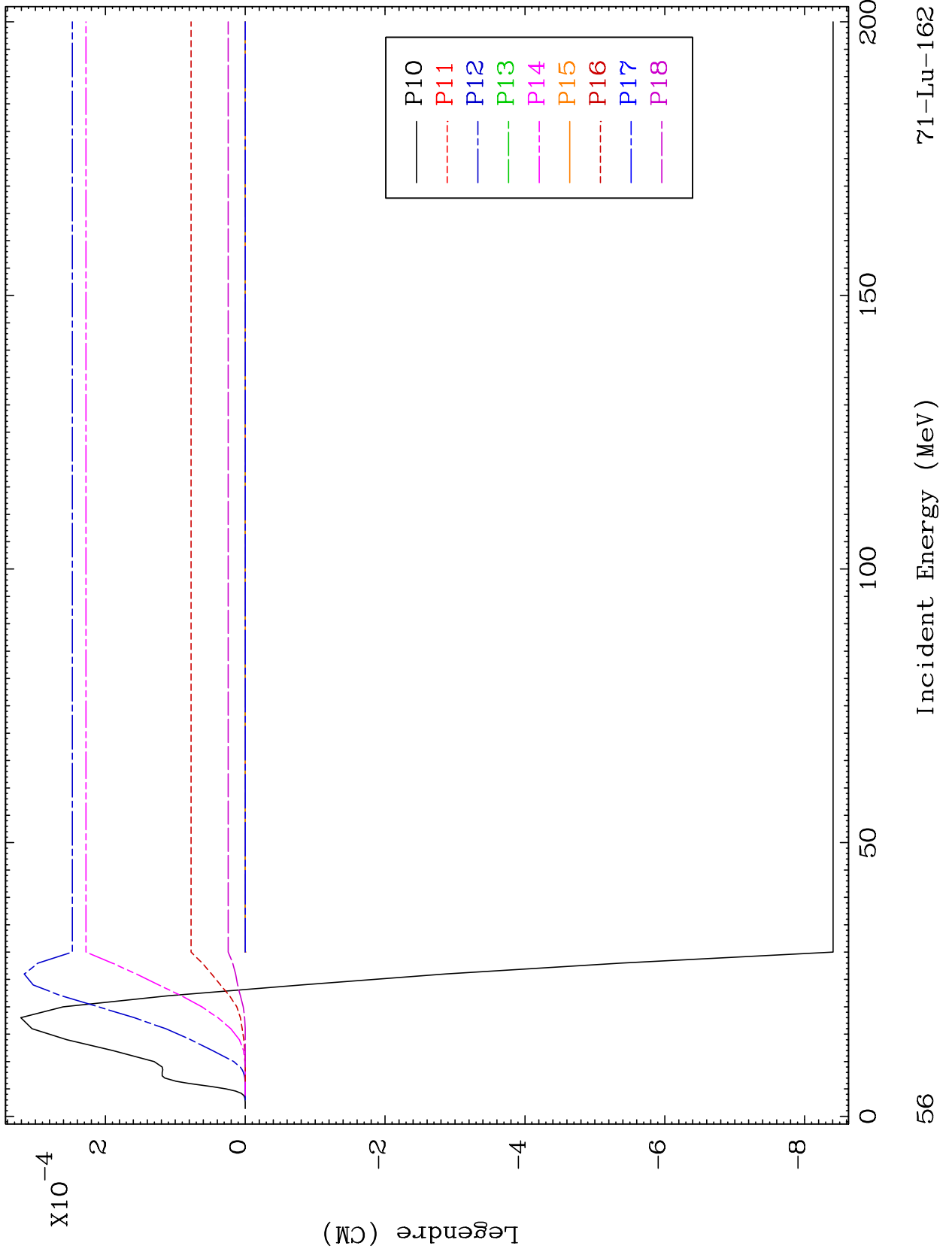
71-Lu-162



MAT 7086

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

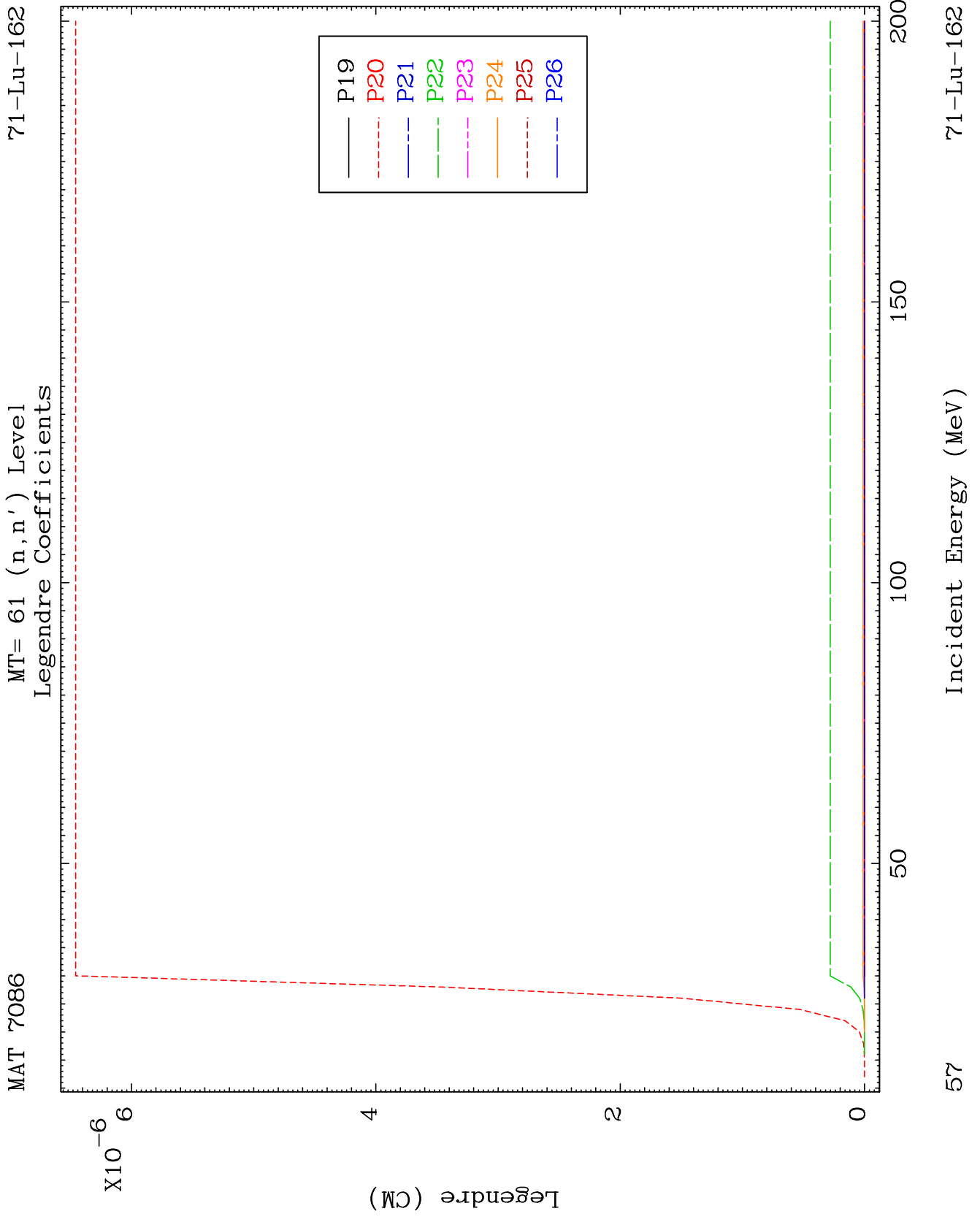
71-Lu-162



71-Lu-162

Incident Energy (MeV)

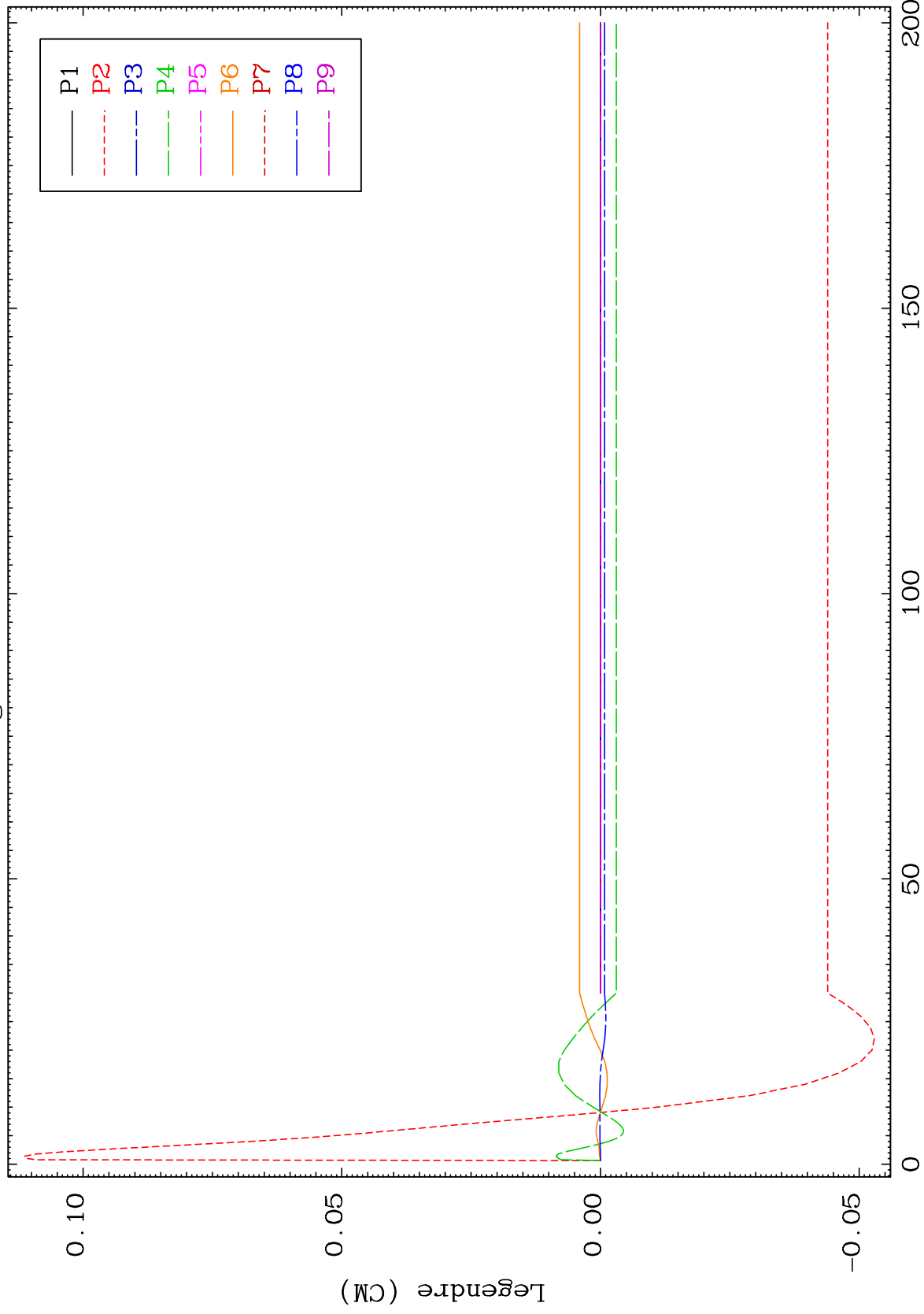
56



MAT 7086

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

71-Lu-162



58

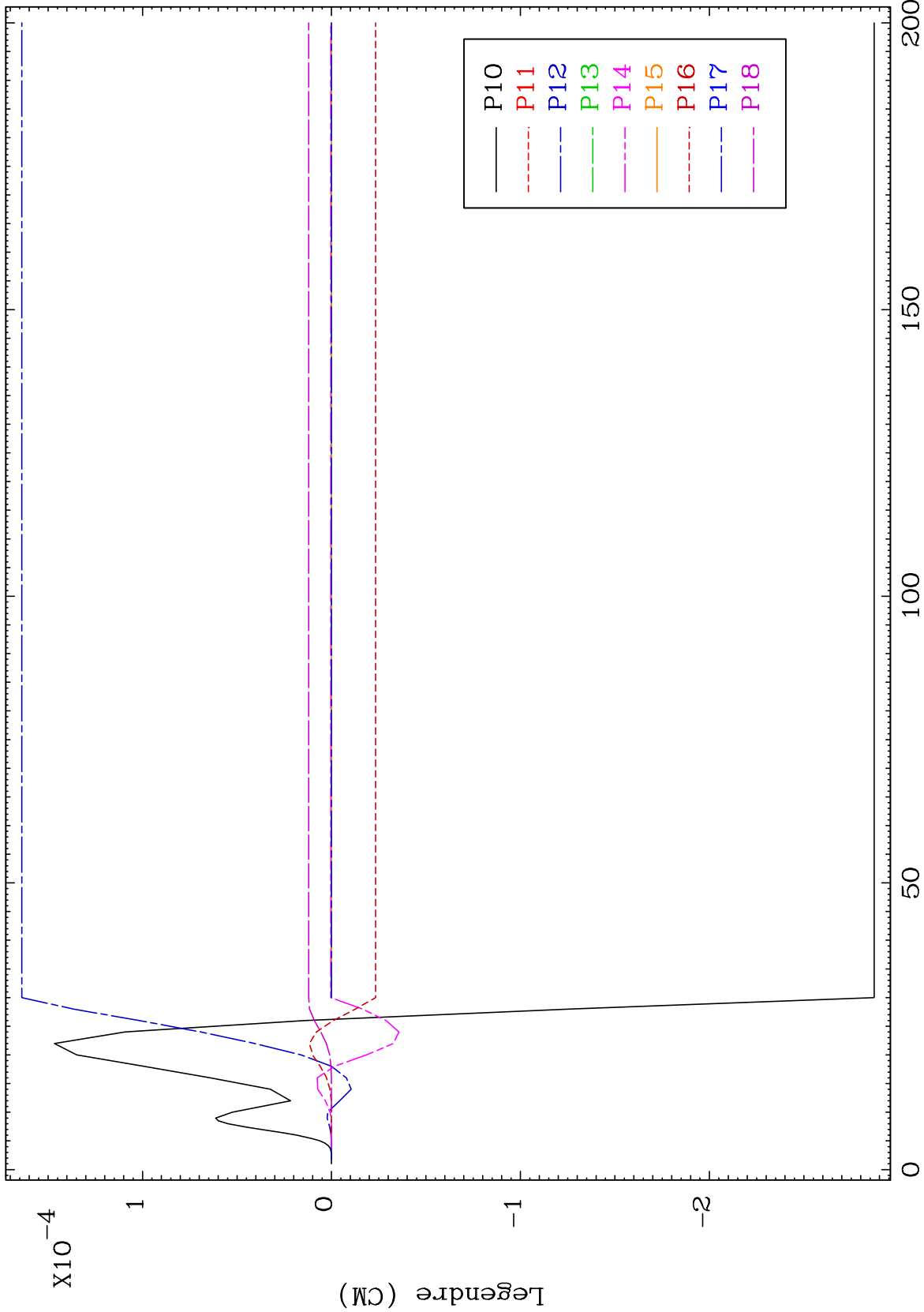
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



59

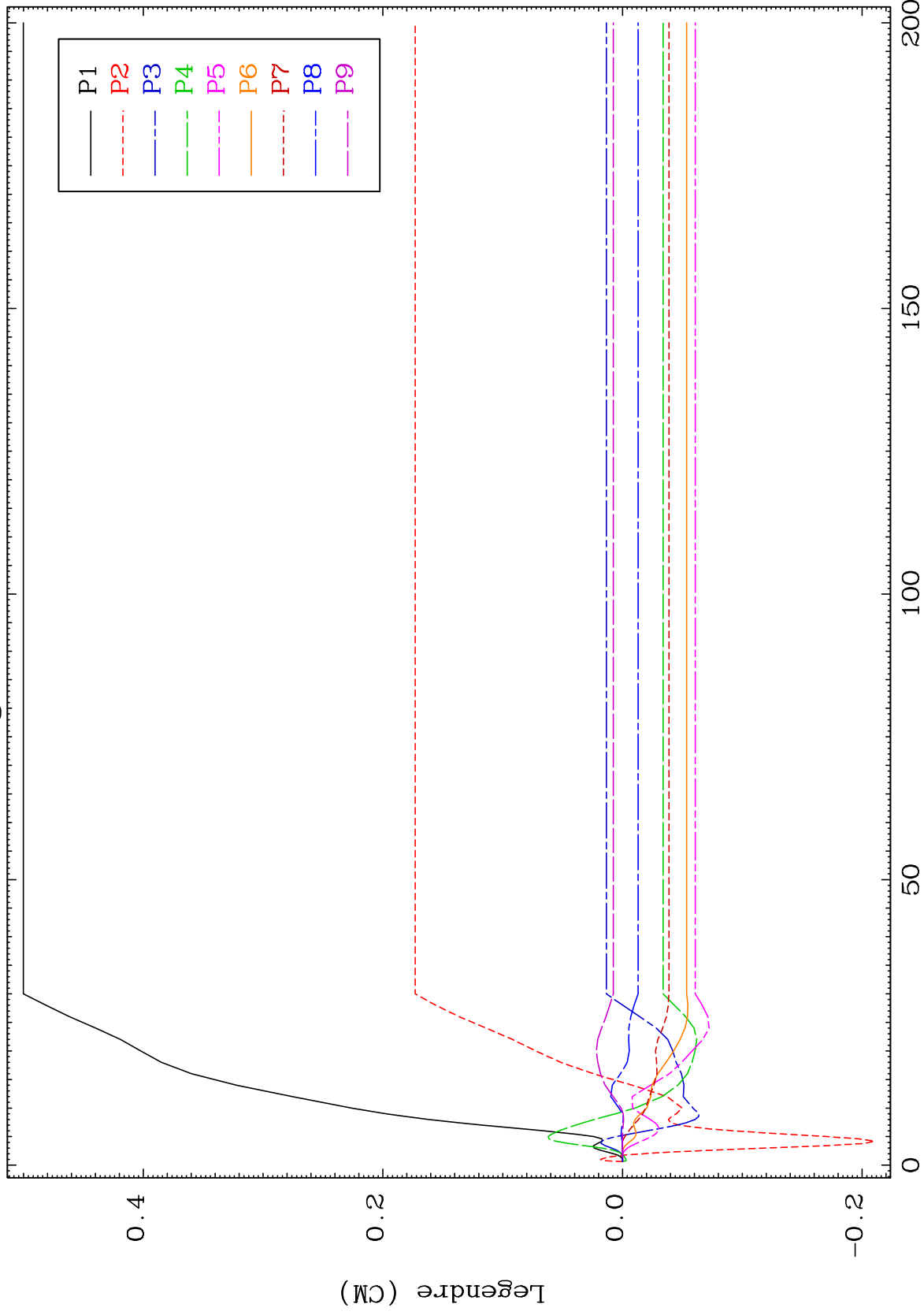
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



71-Lu-162

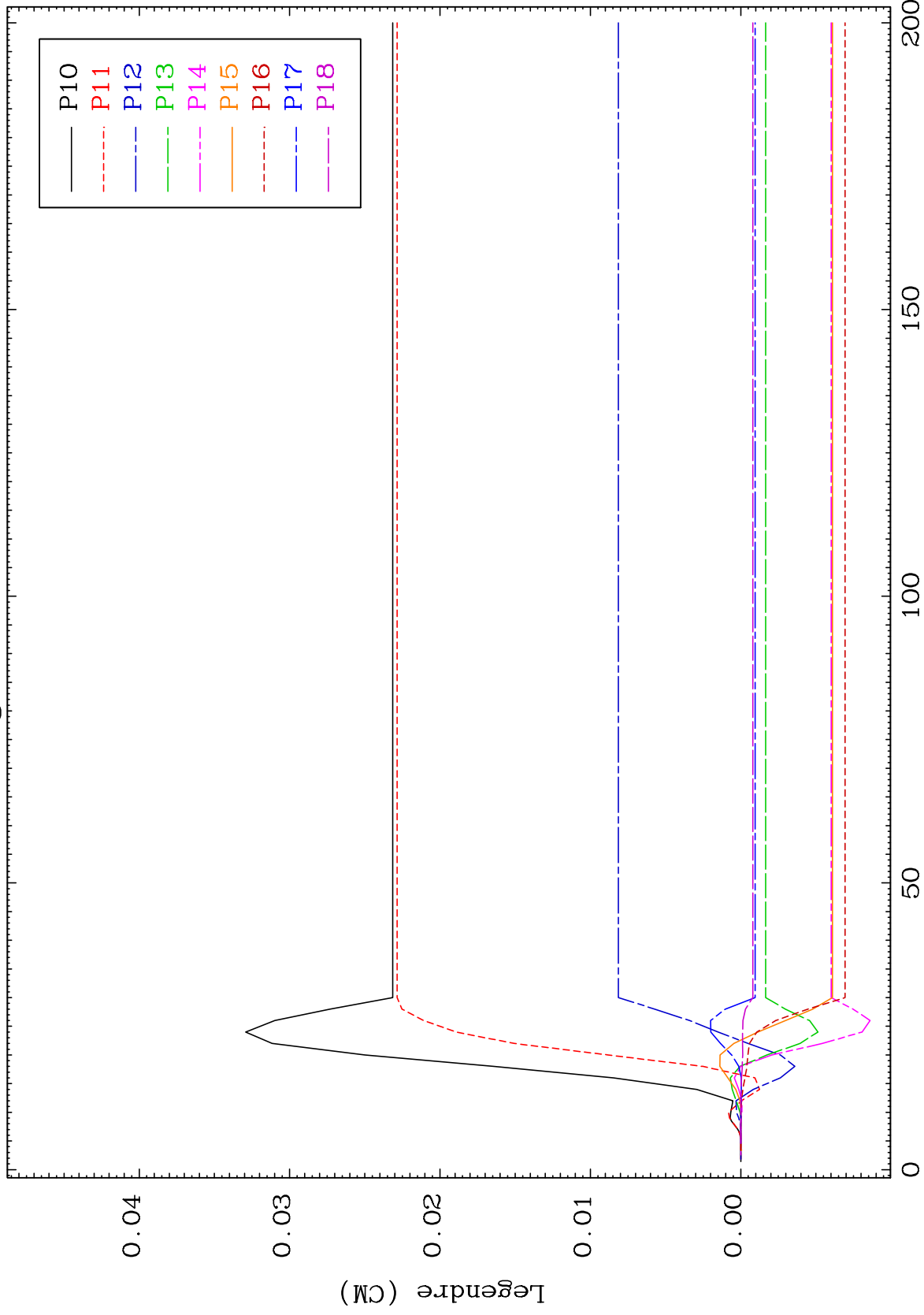
Incident Energy (MeV)

61

MAT 7086

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

71-Lu-162



62

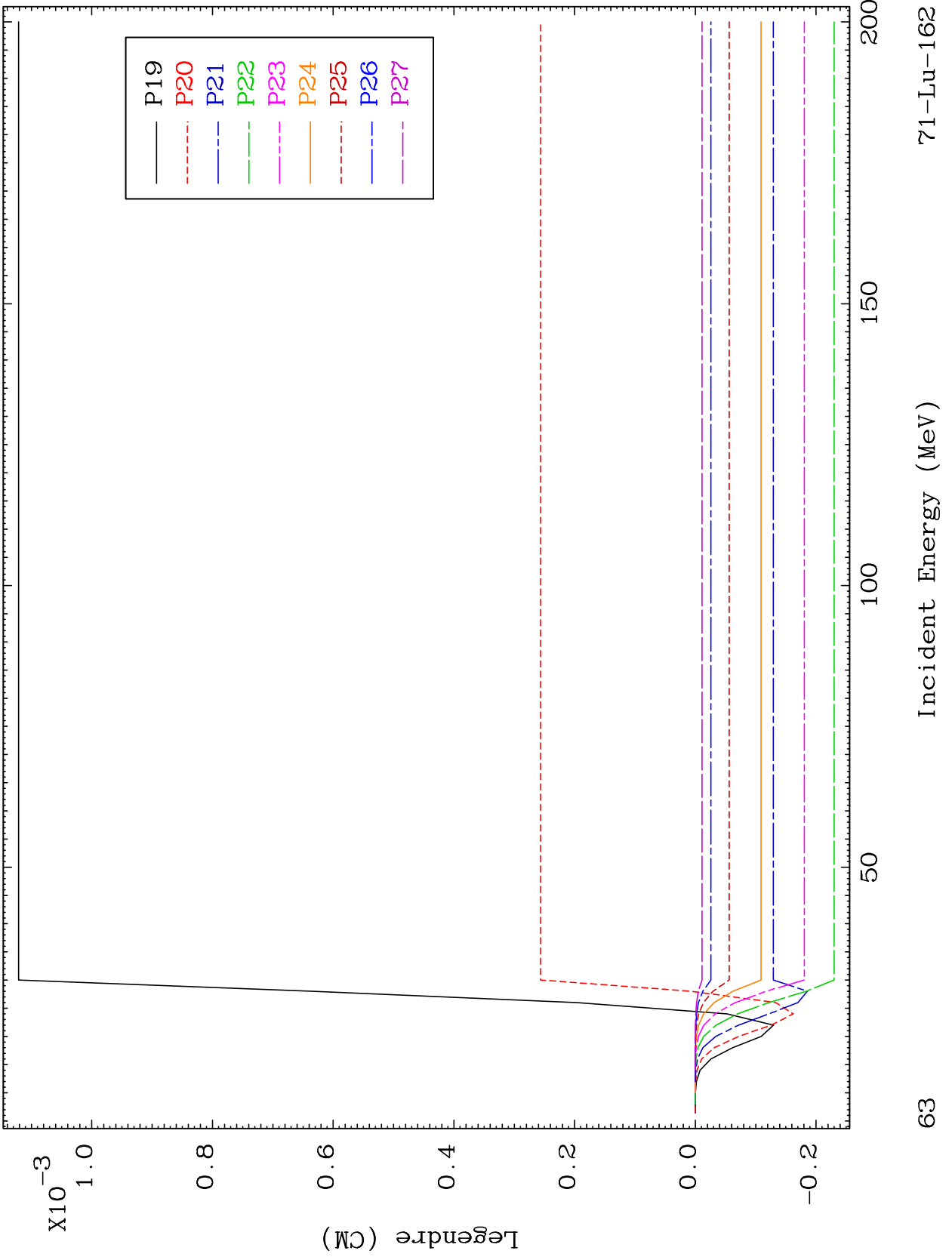
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

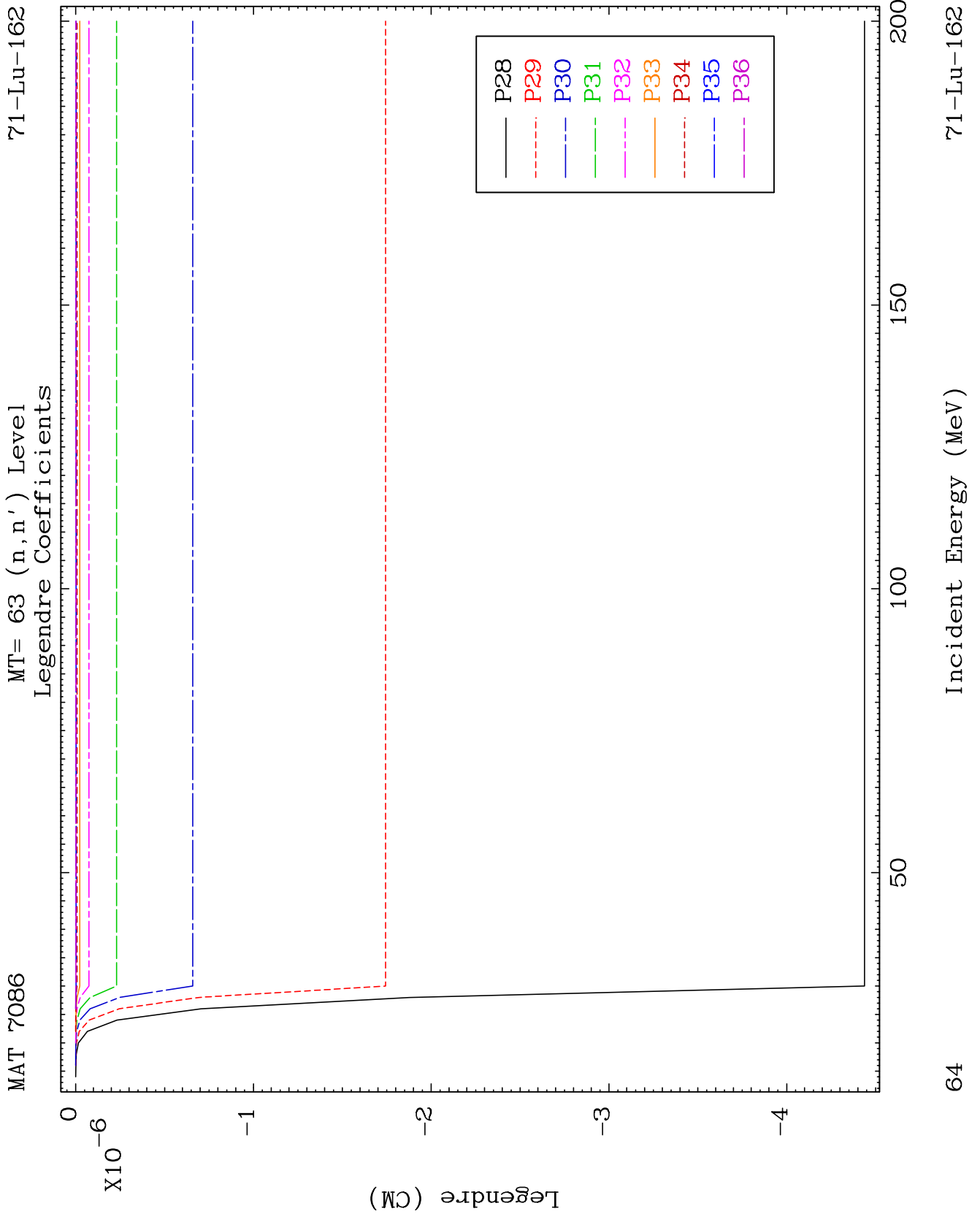
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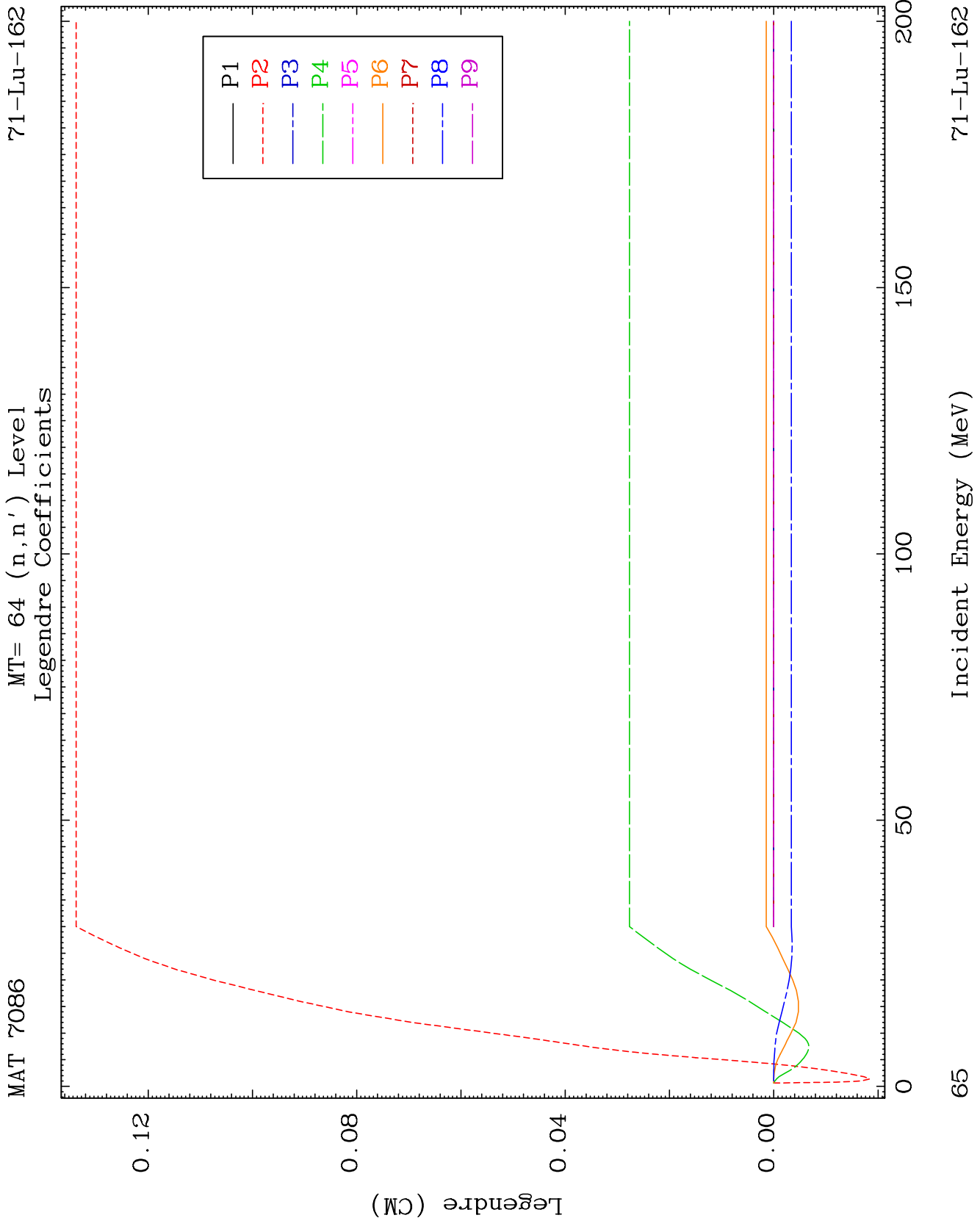


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Incident Energy (MeV)

71-Lu-162

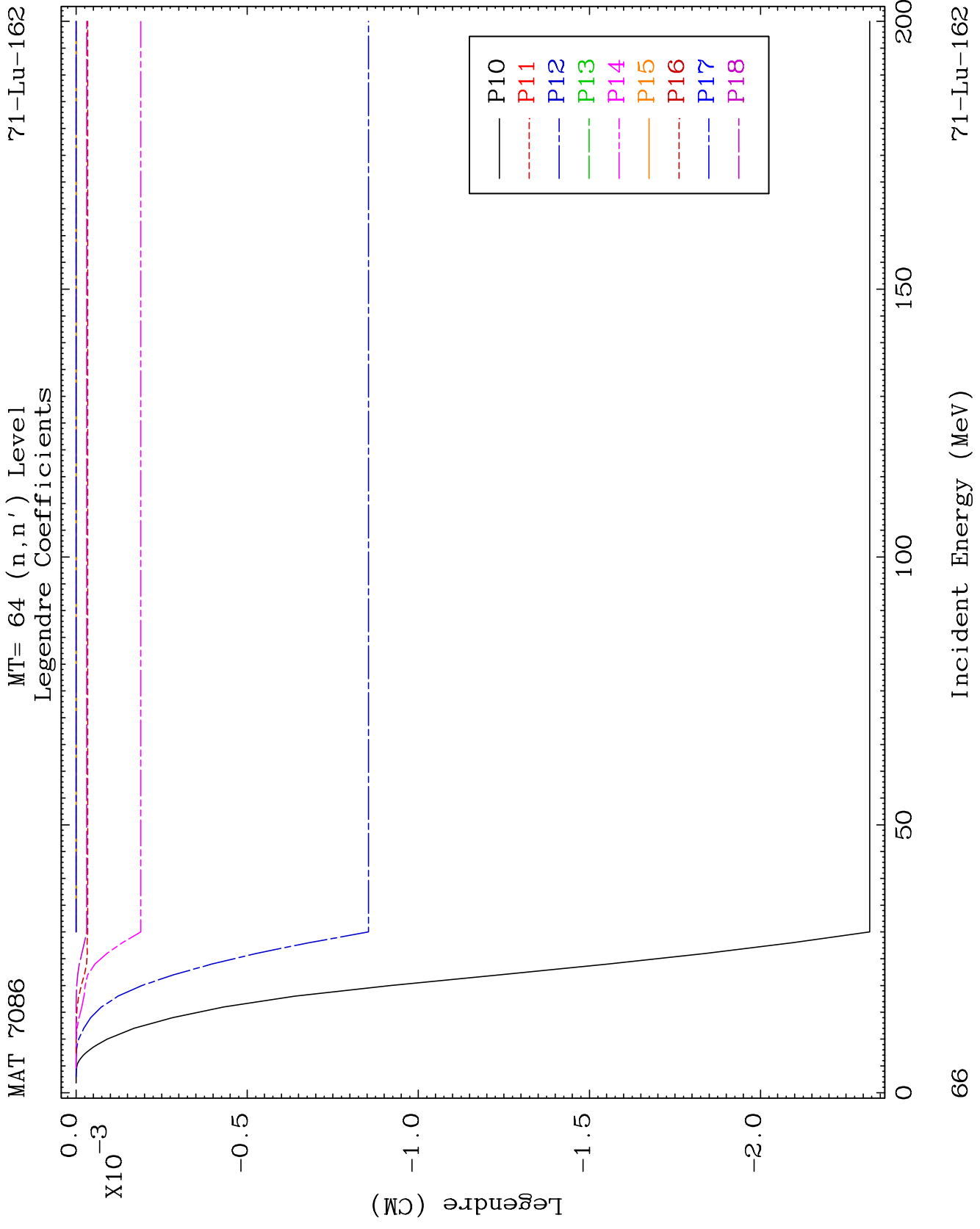


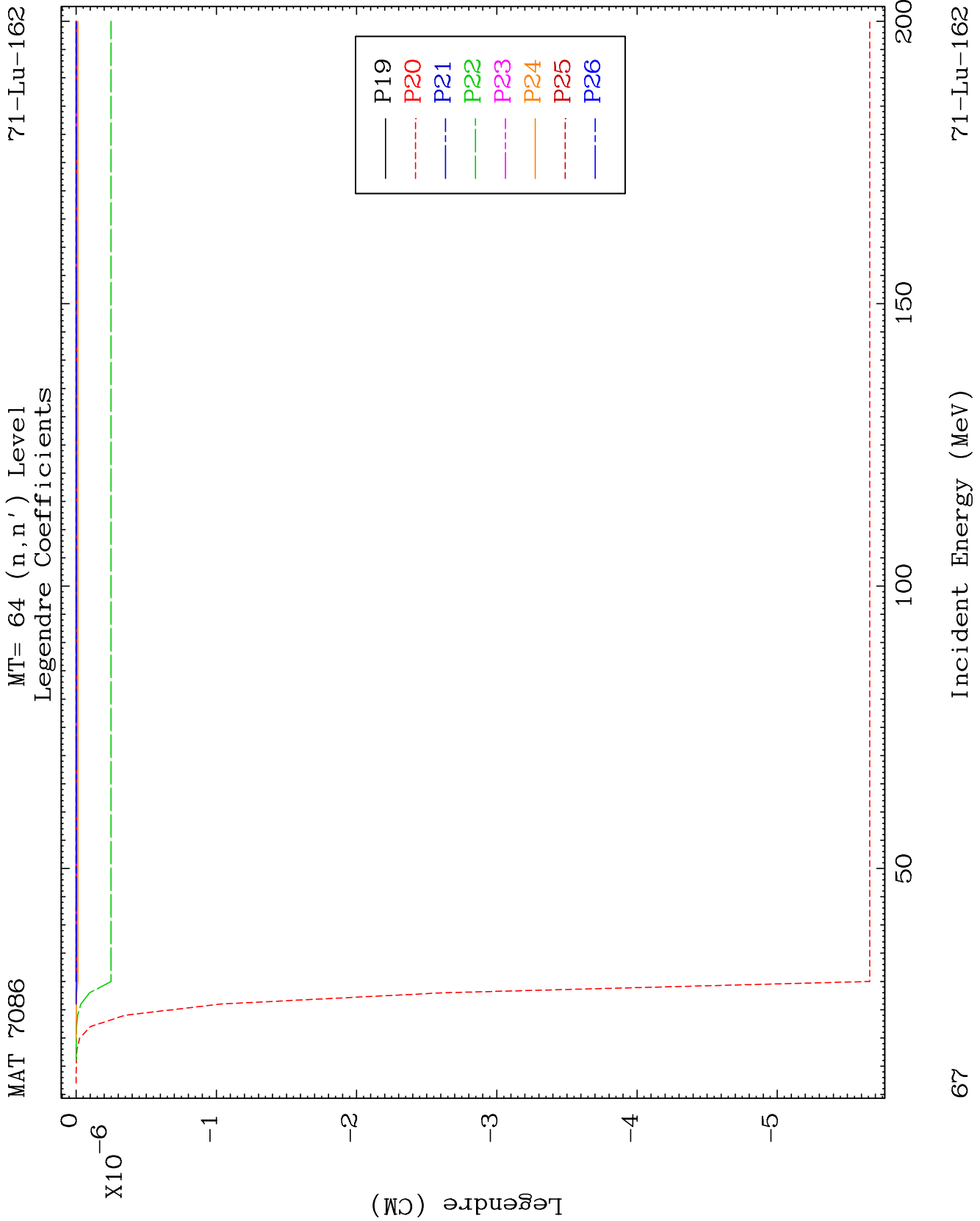


71-Lu-162

Incident Energy (MeV)

65

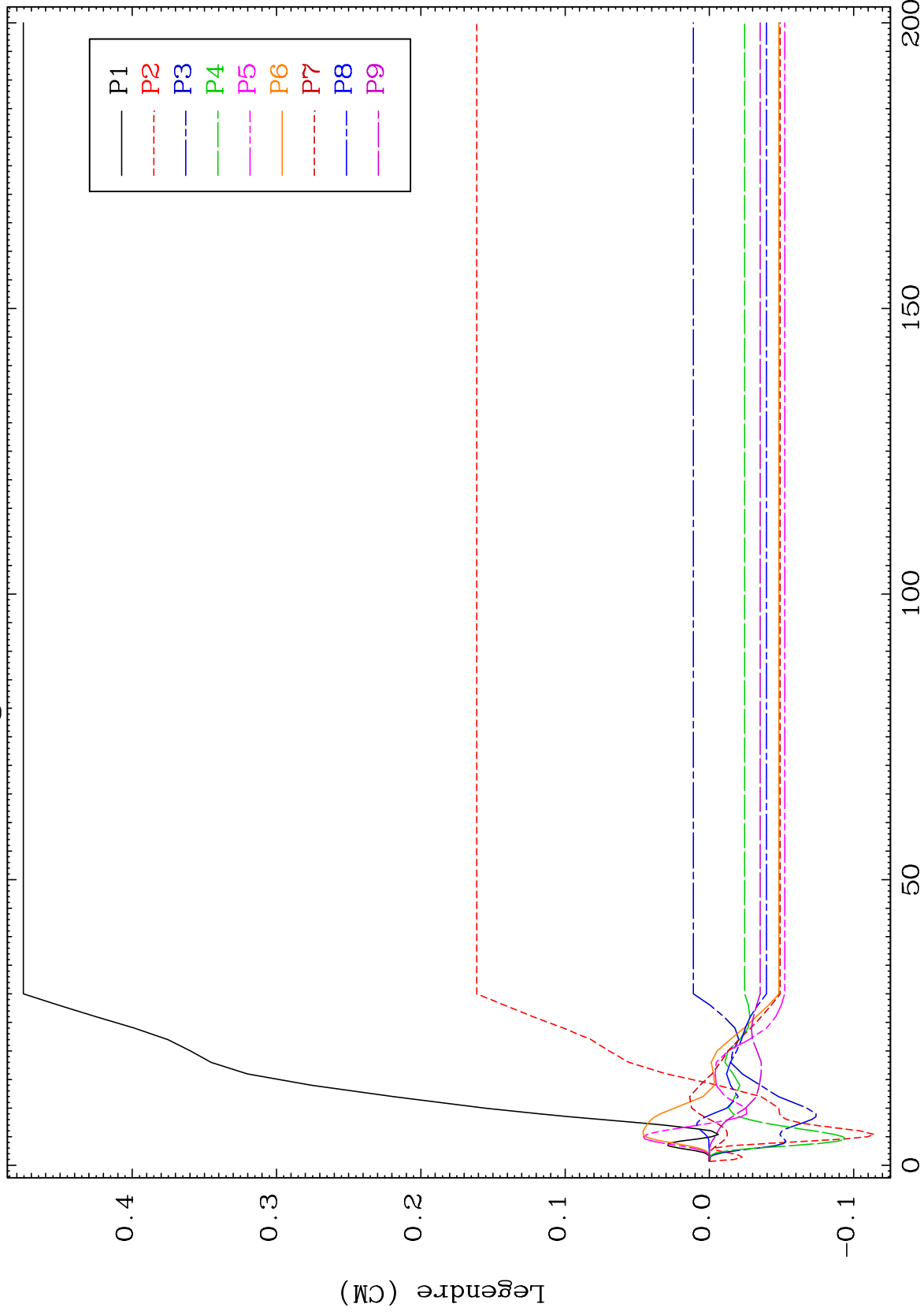




MAT 7086

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

71-Lu-162



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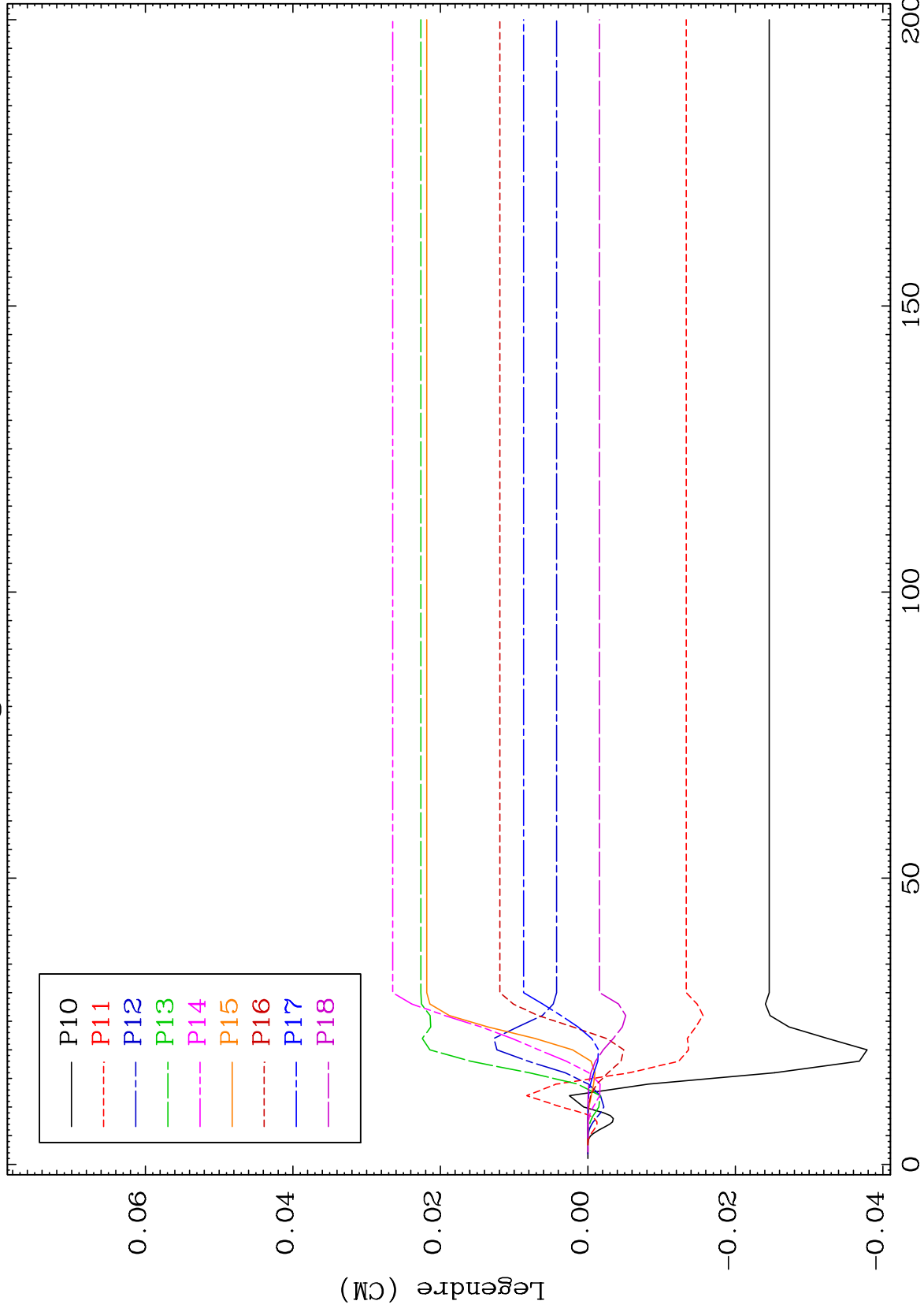
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

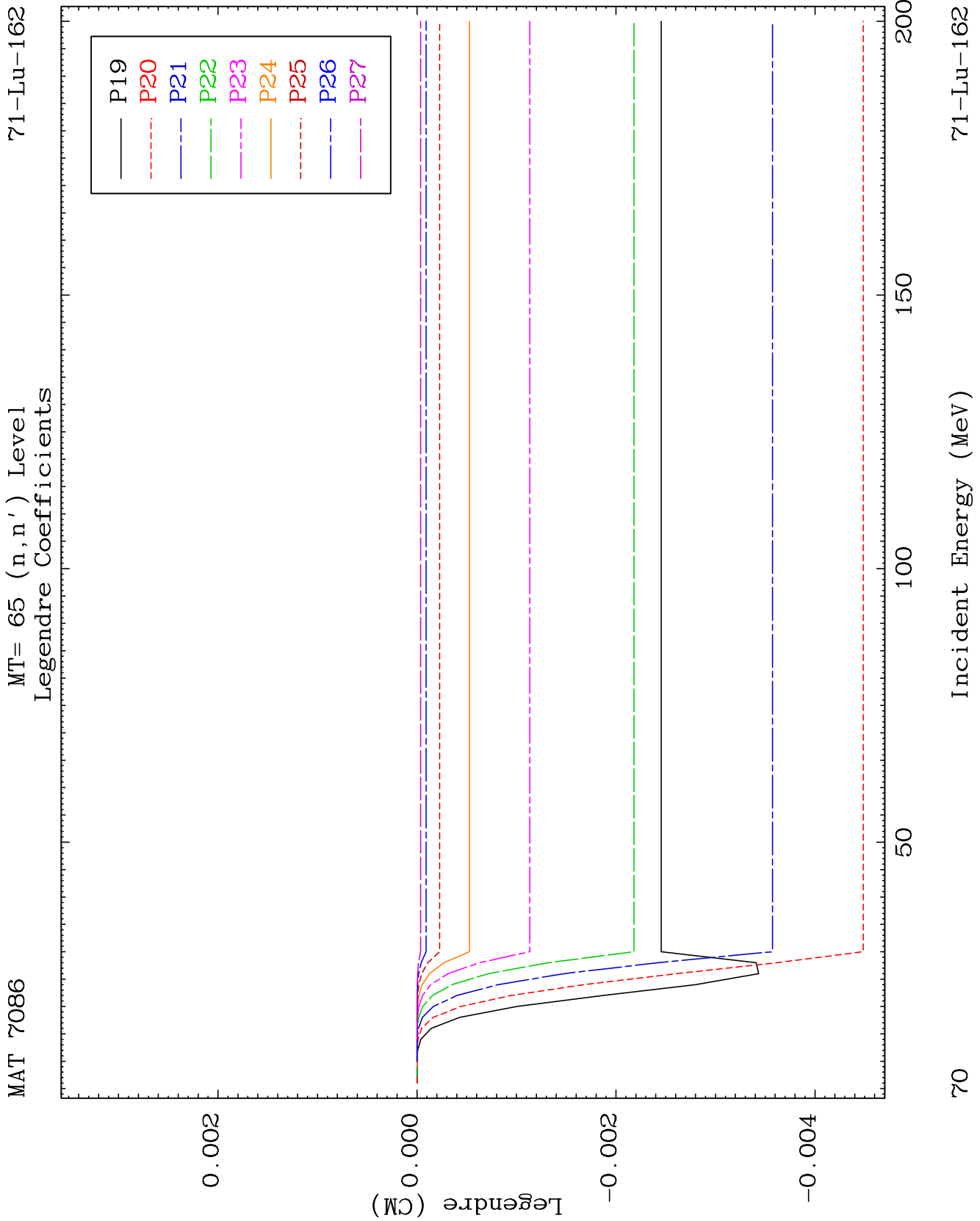
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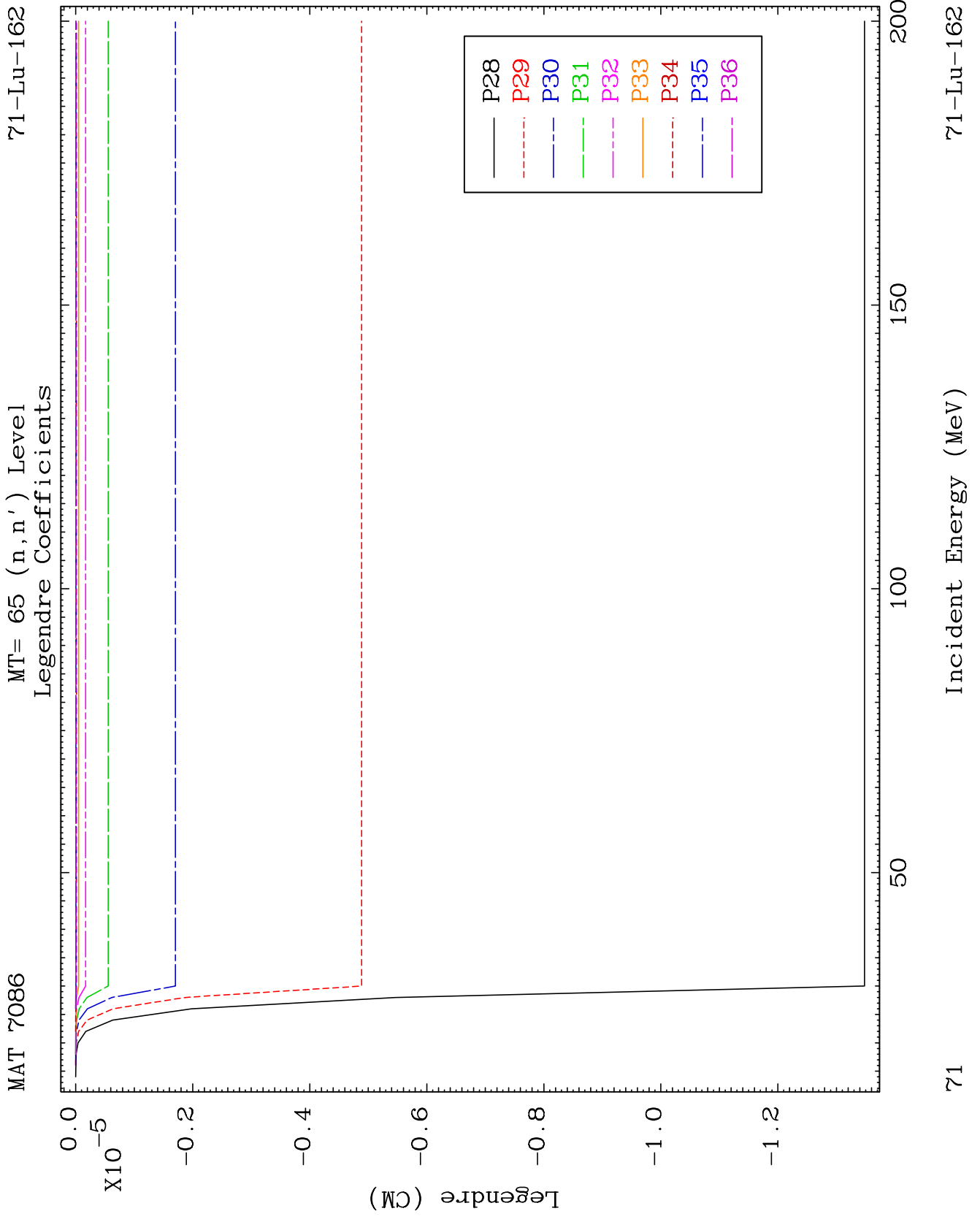


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Incident Energy (MeV)

71-Lu-162

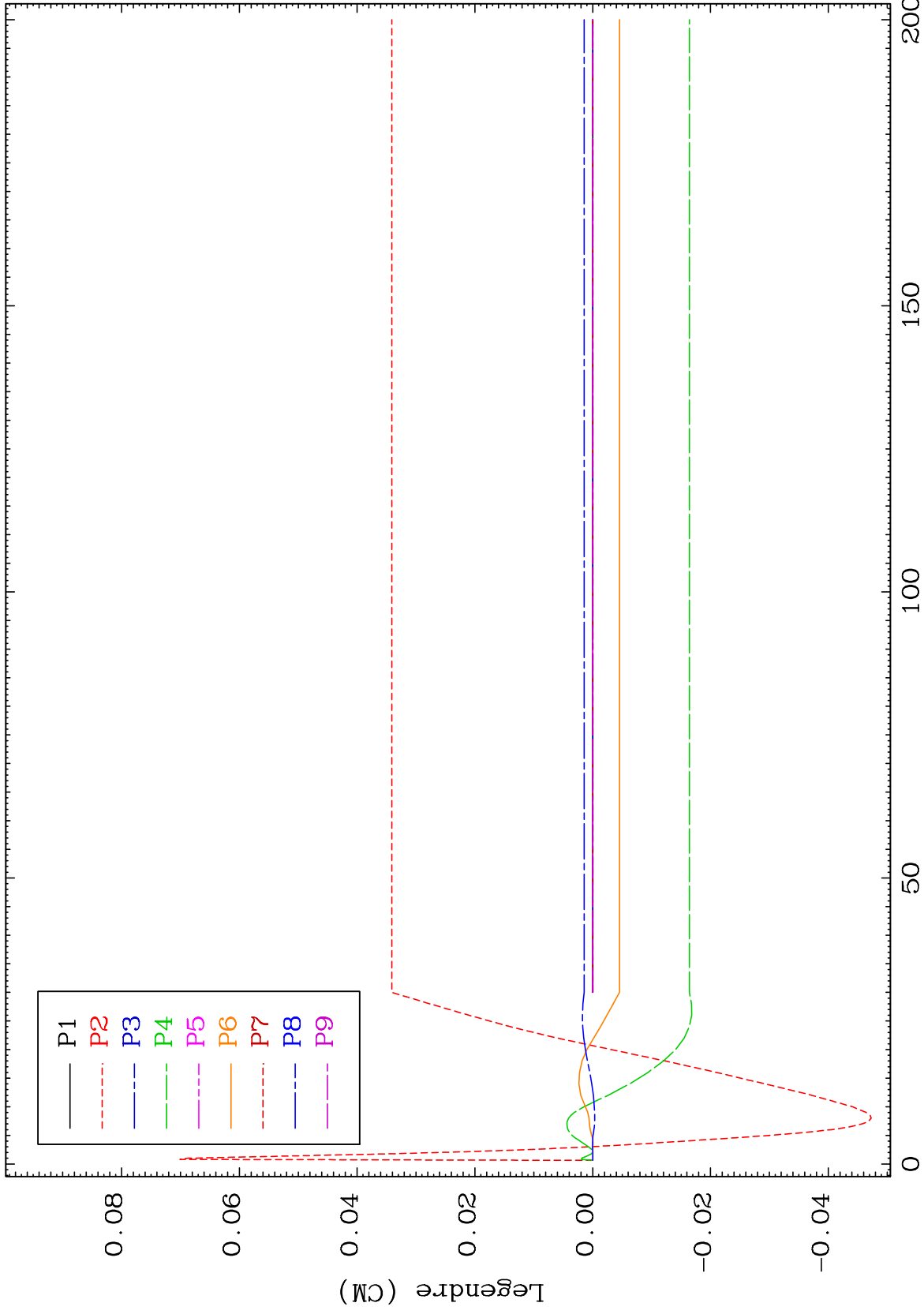




MAT 7086

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

71-Lu-162



72

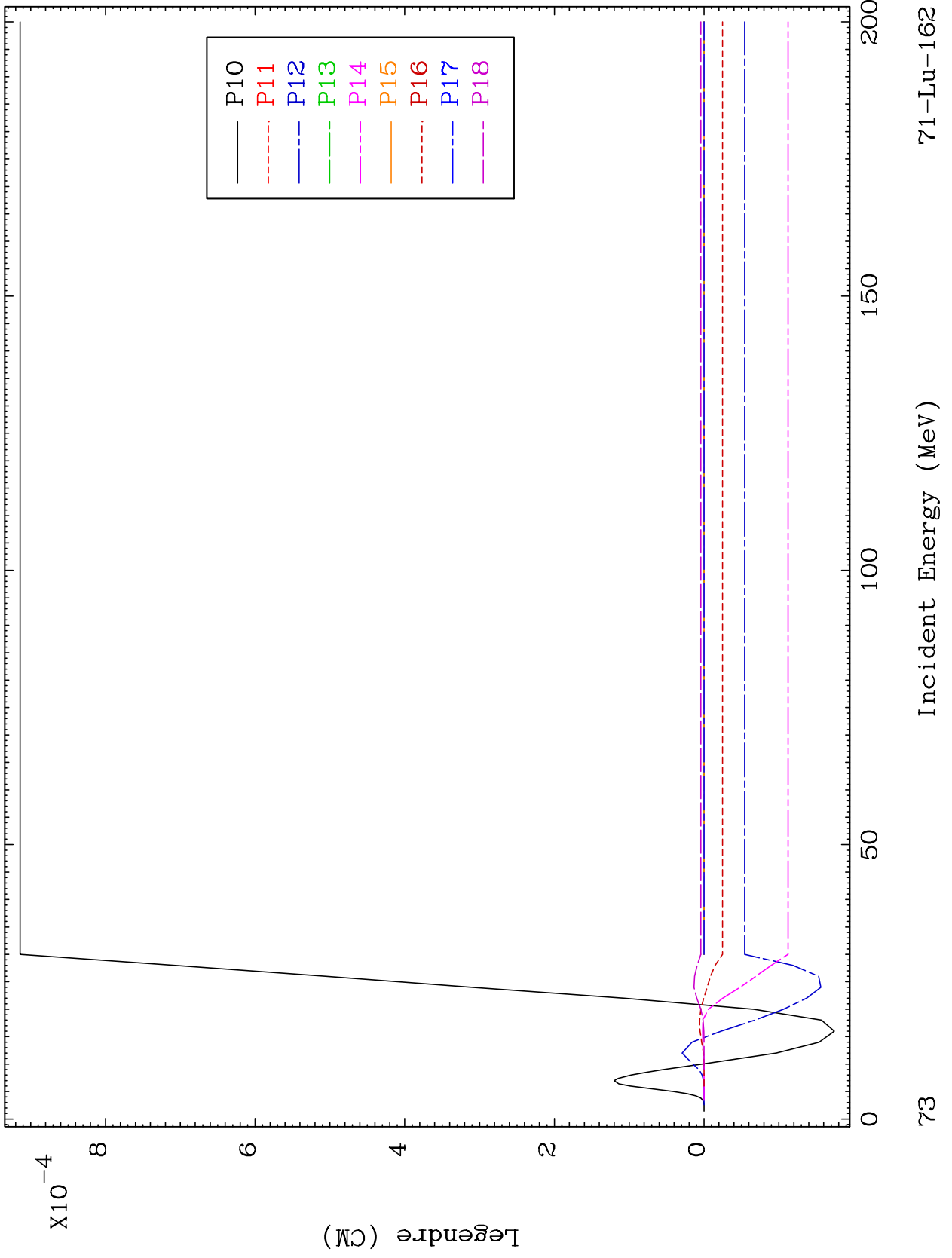
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

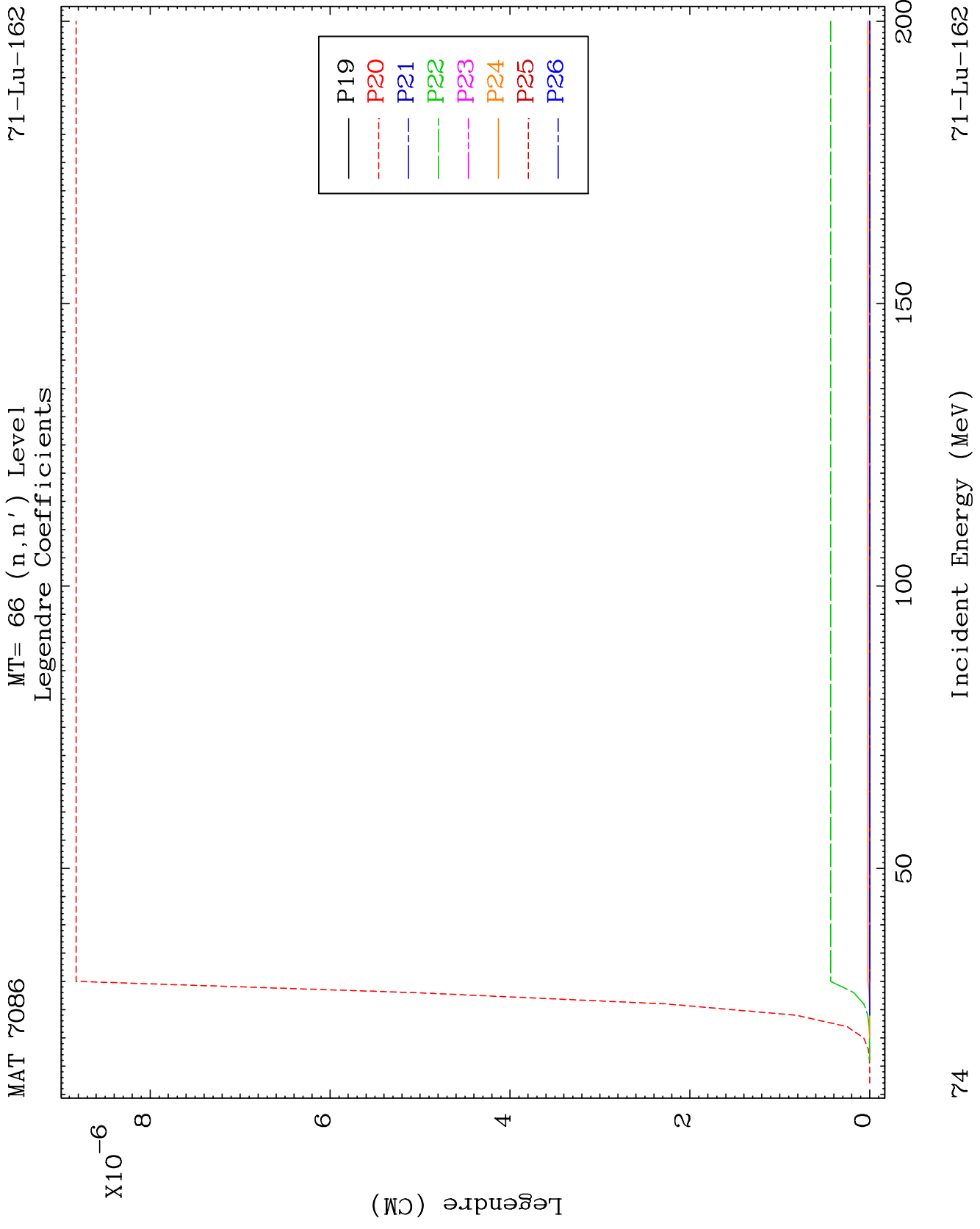
71-Lu-162



73

Incident Energy (MeV)

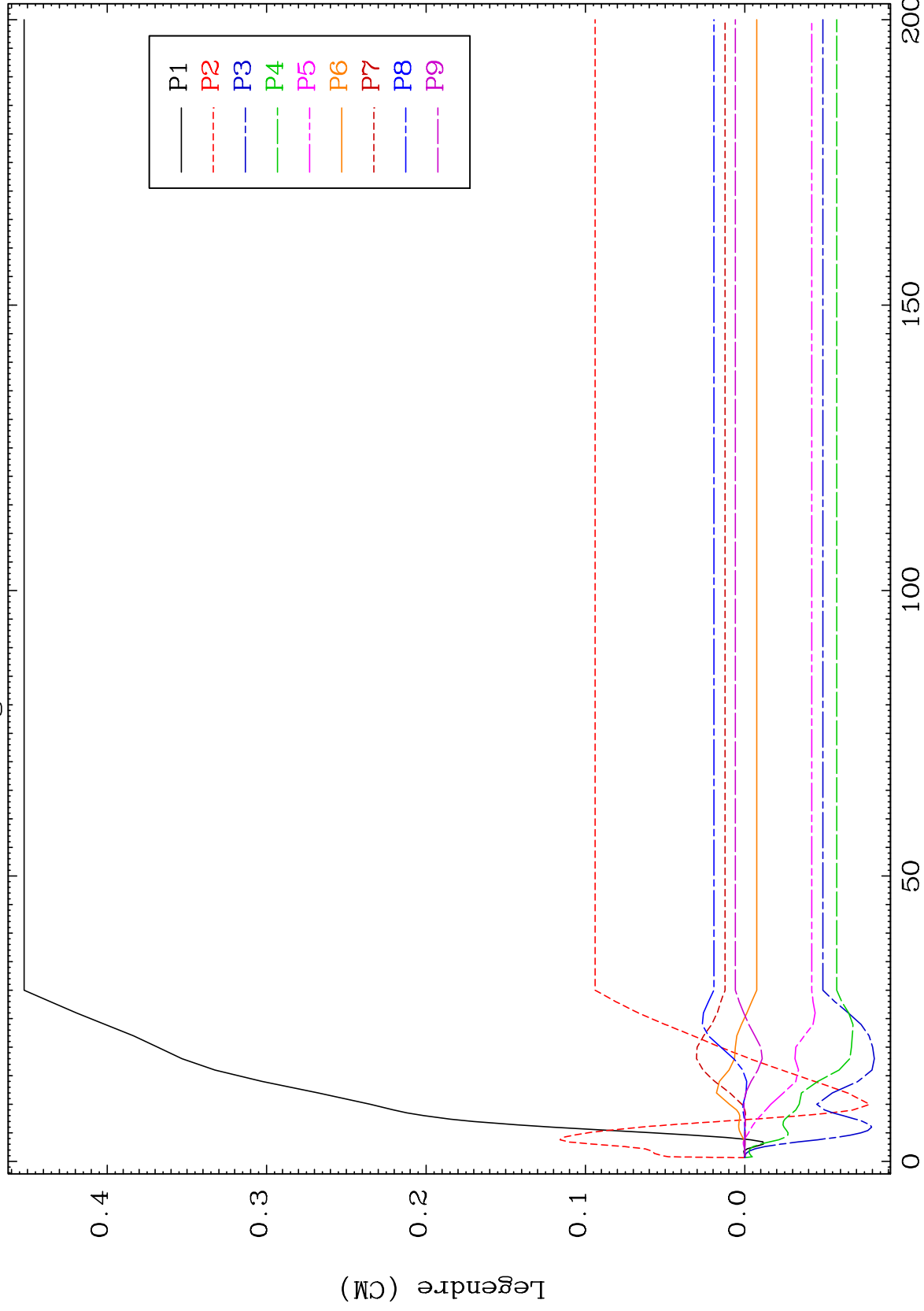
71-Lu-162



MAT 7086

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

71-Lu-162



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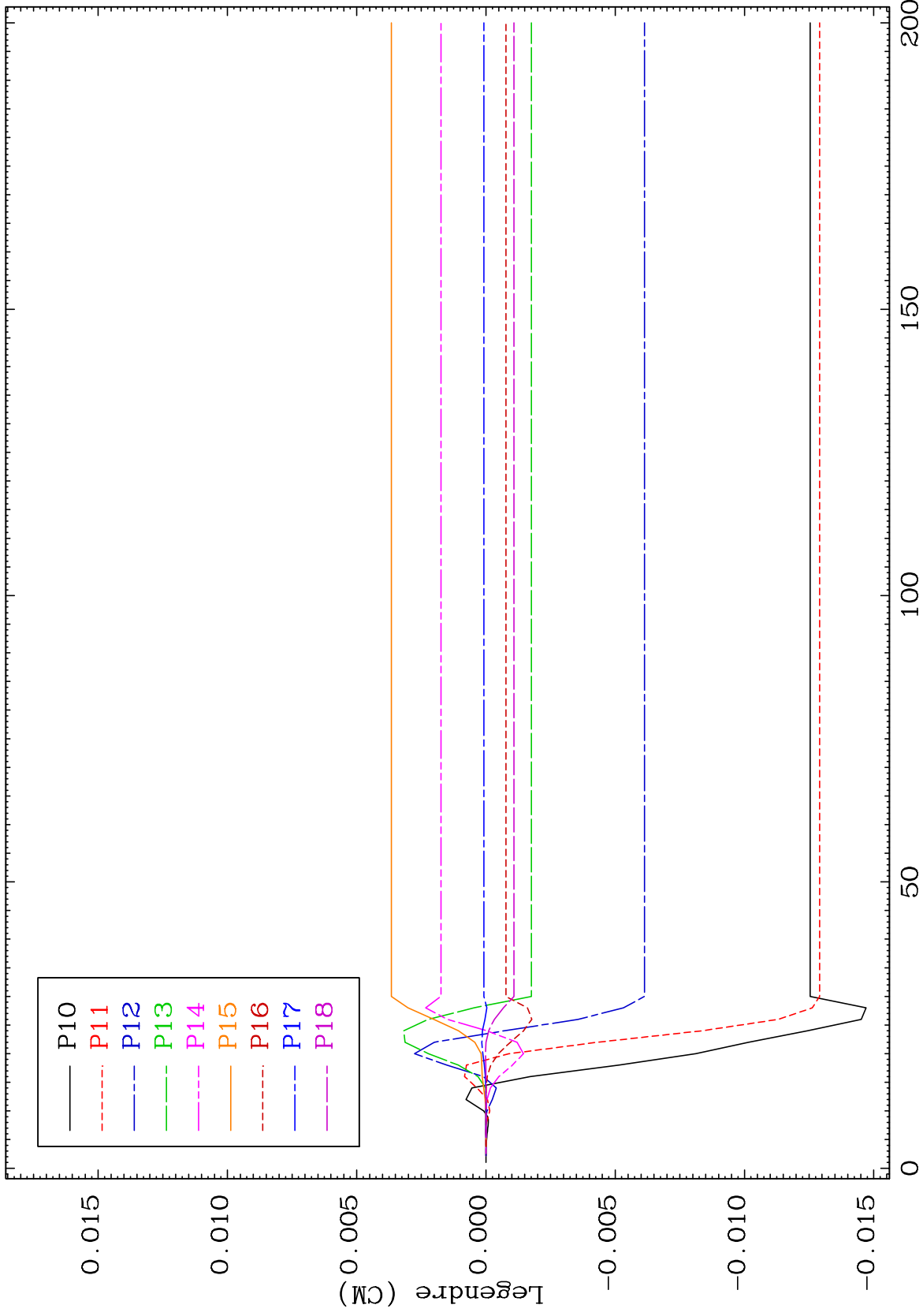
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



76

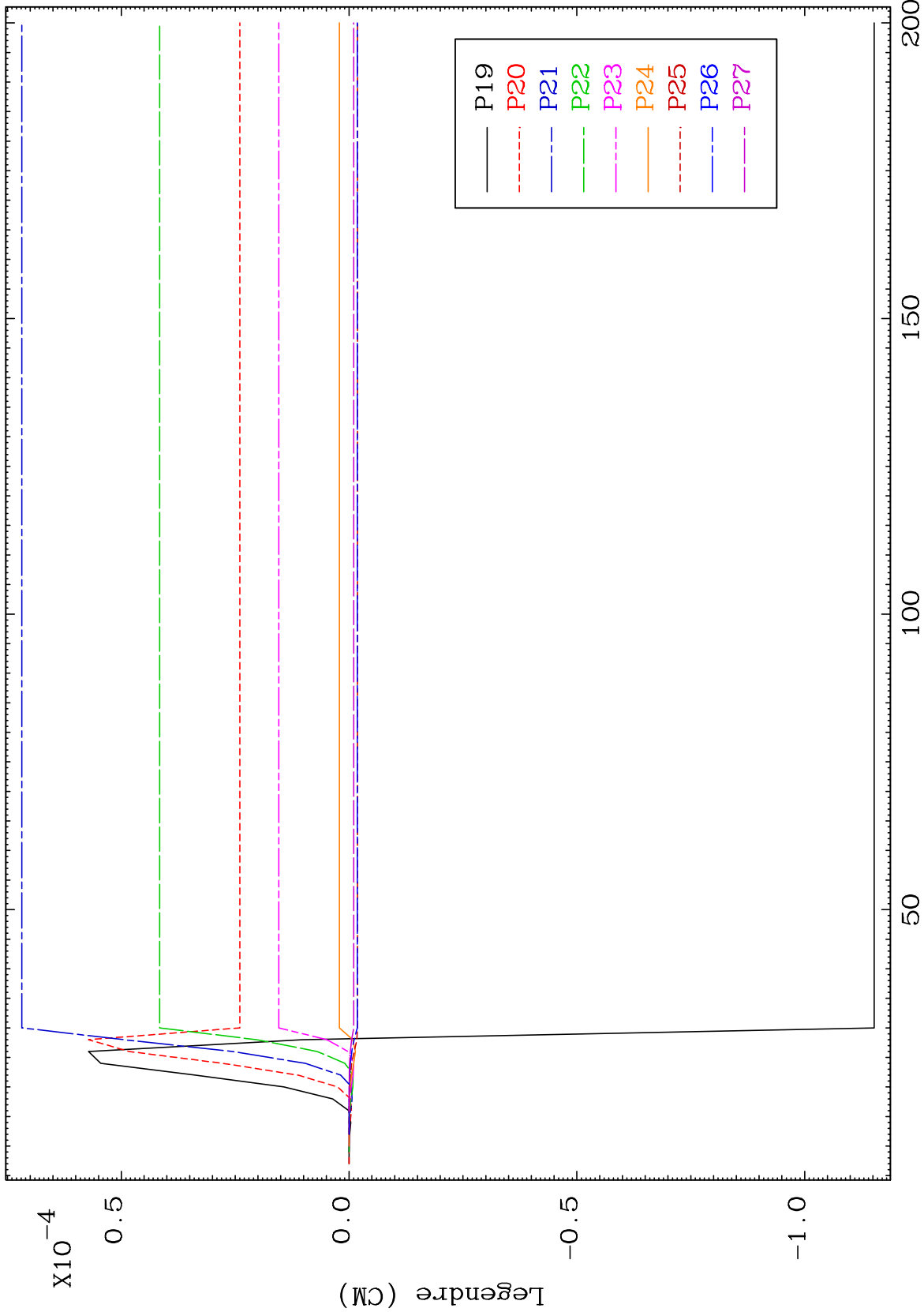
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



77

Incident Energy (MeV)

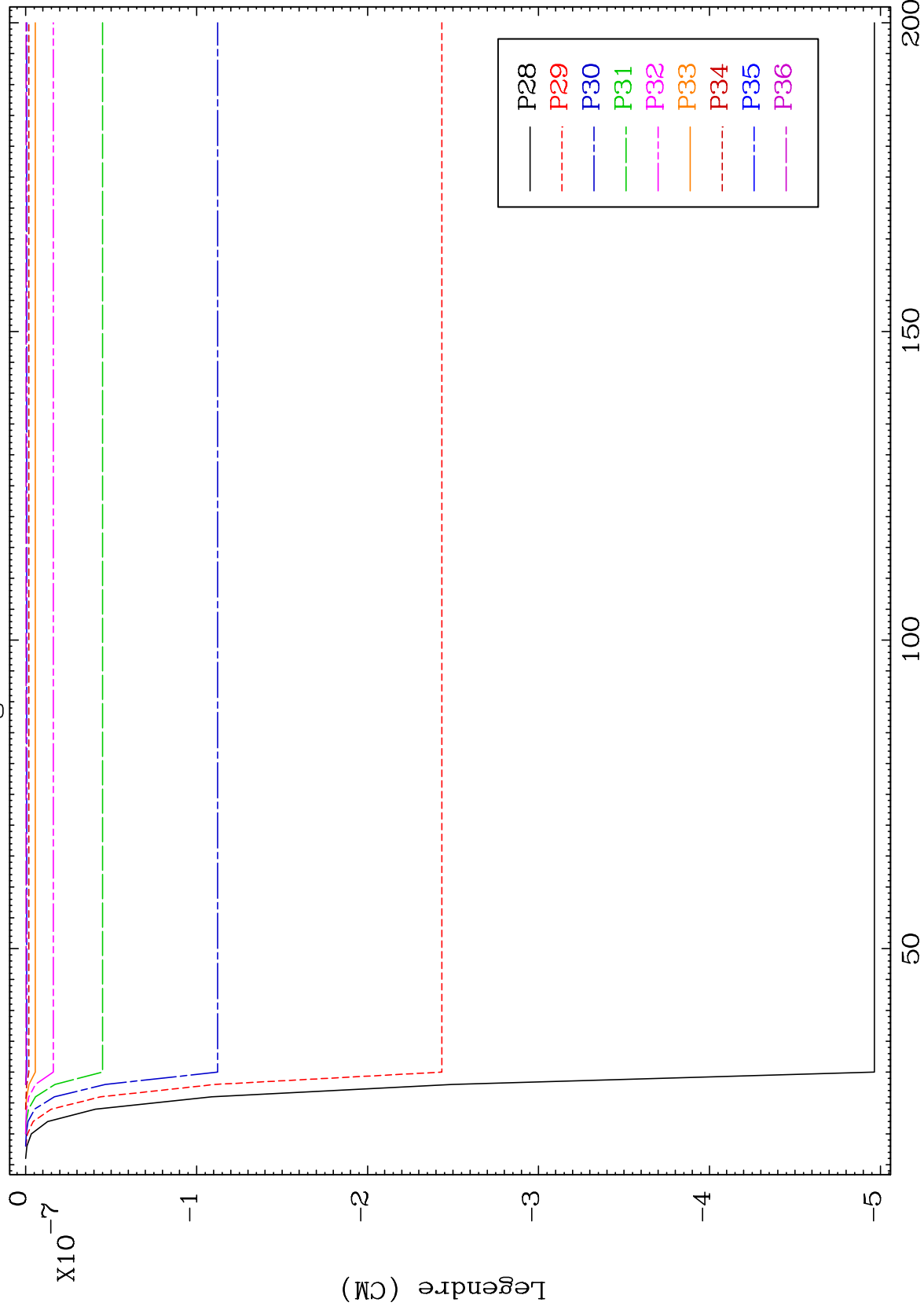
71-Lu-162

MAT 7086

MT= 67 (n,n') Level

71-Lu-162

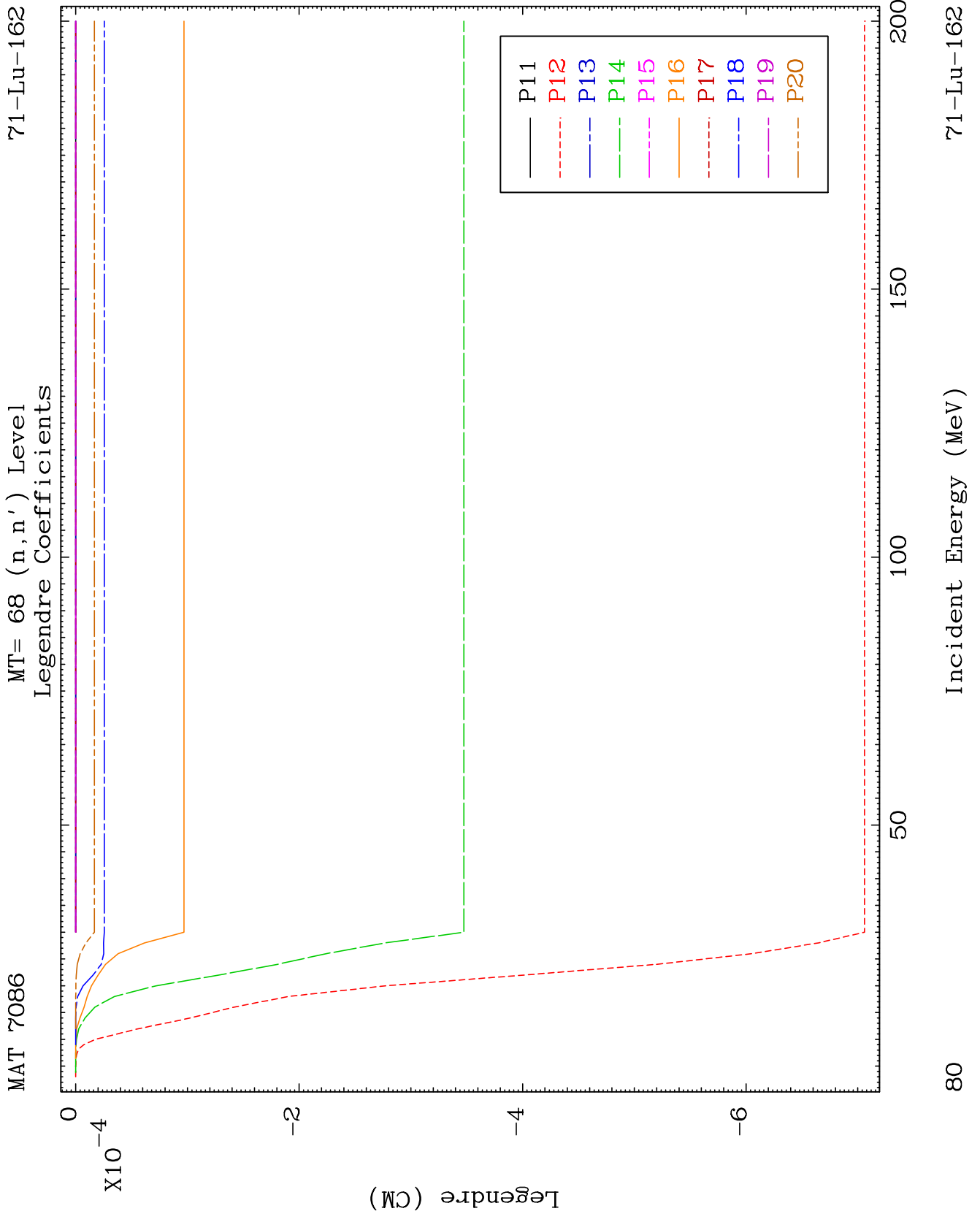
Legendre Coefficients

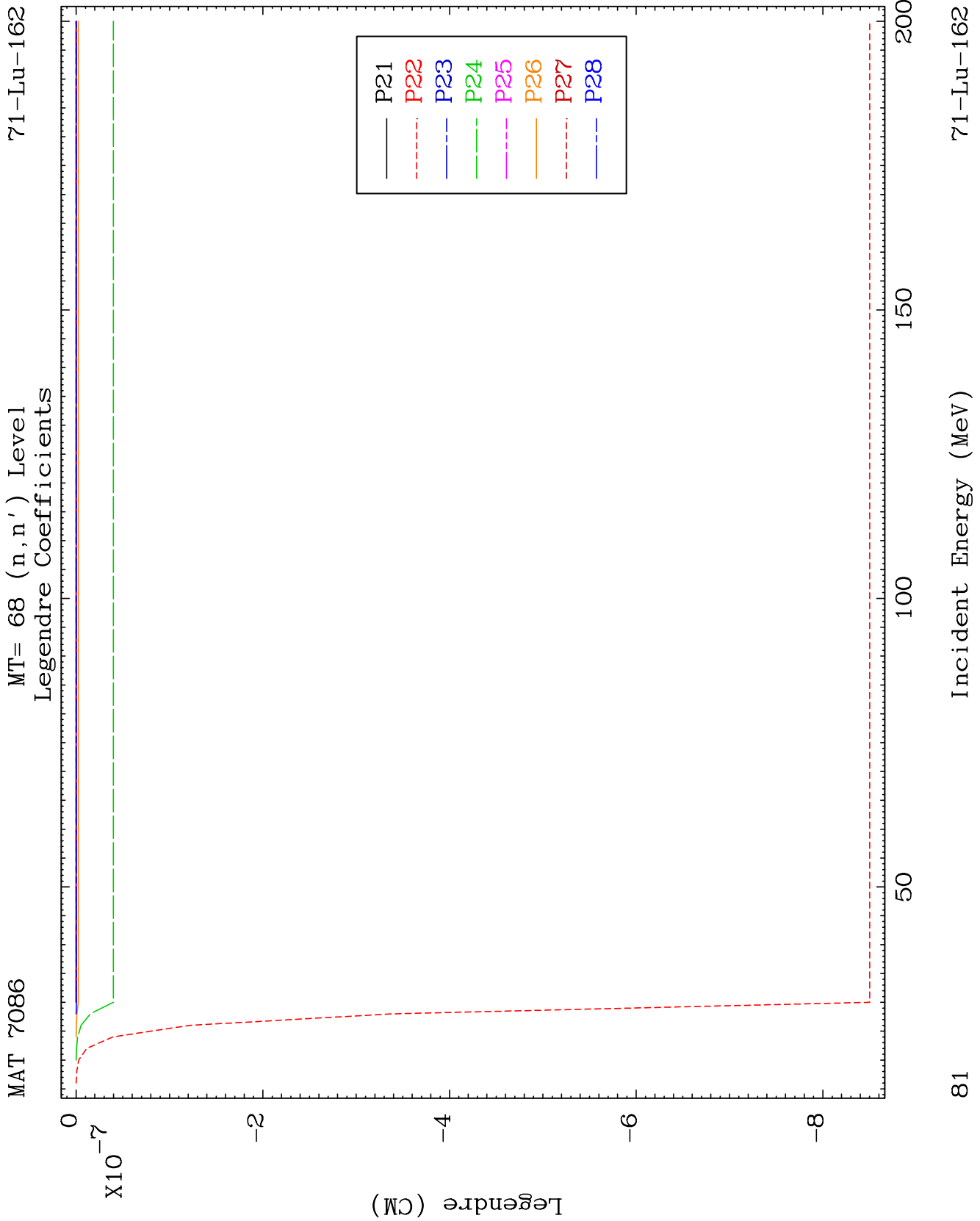


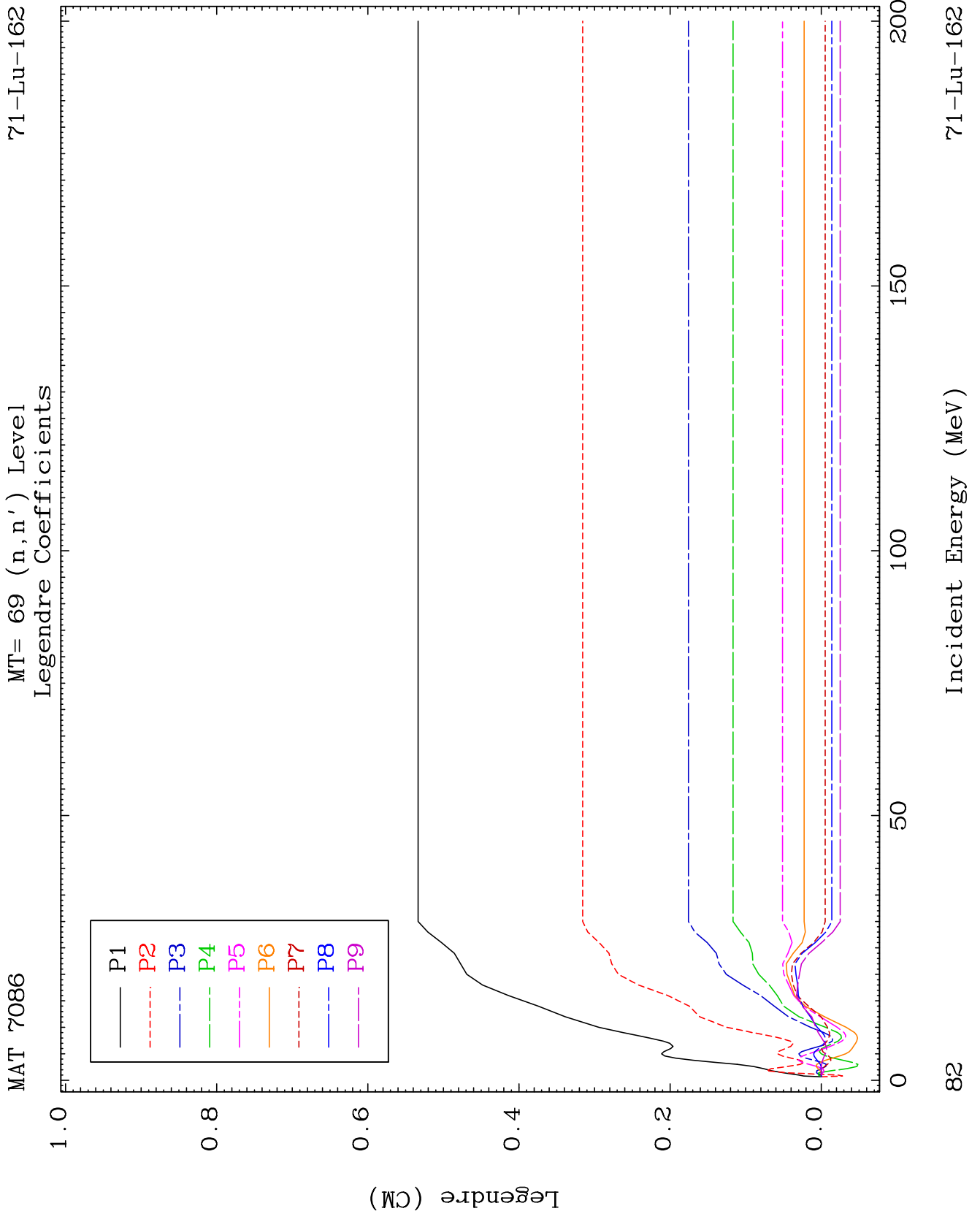
71-Lu-162

Incident Energy (MeV)

78



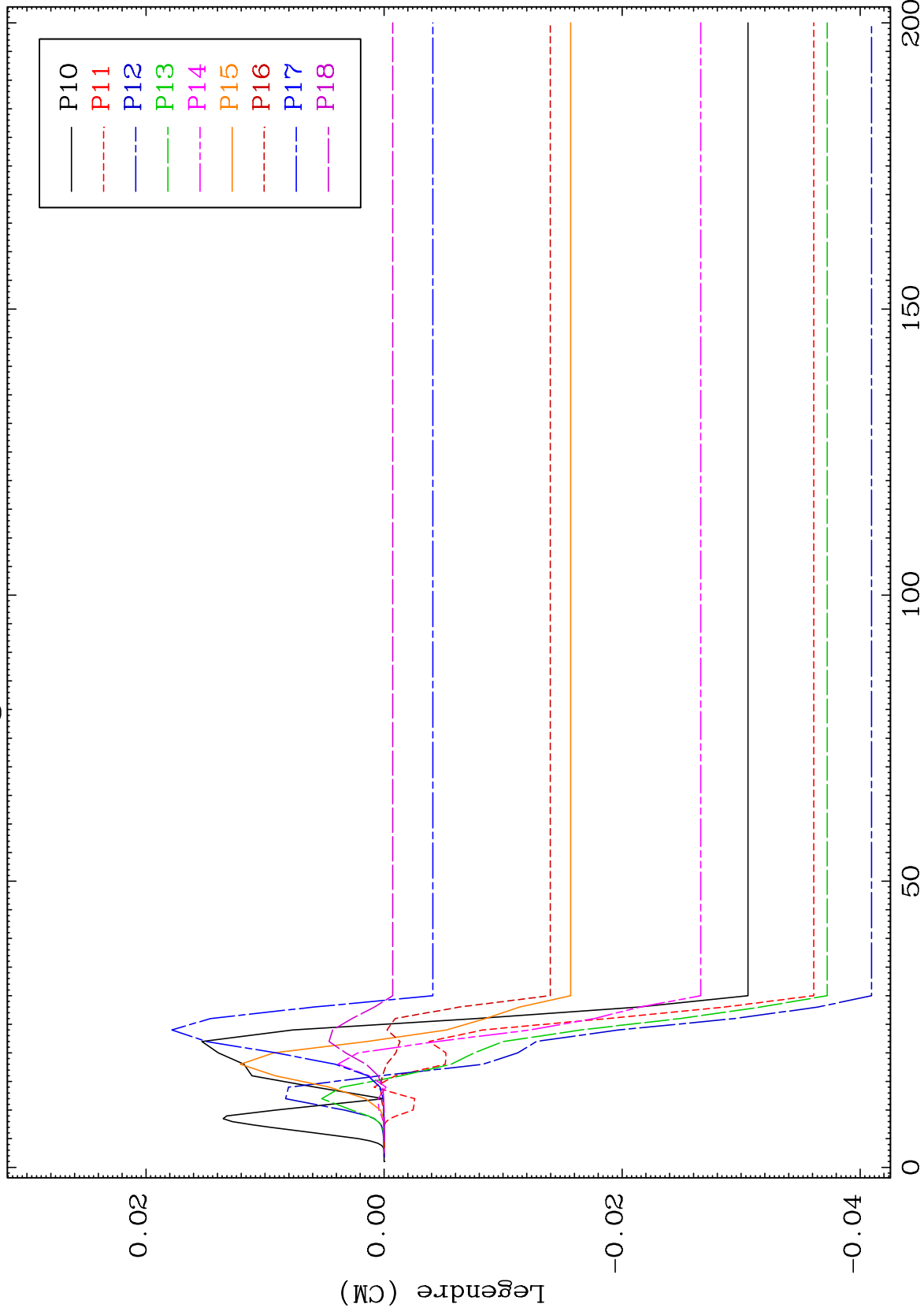




MAT 7086

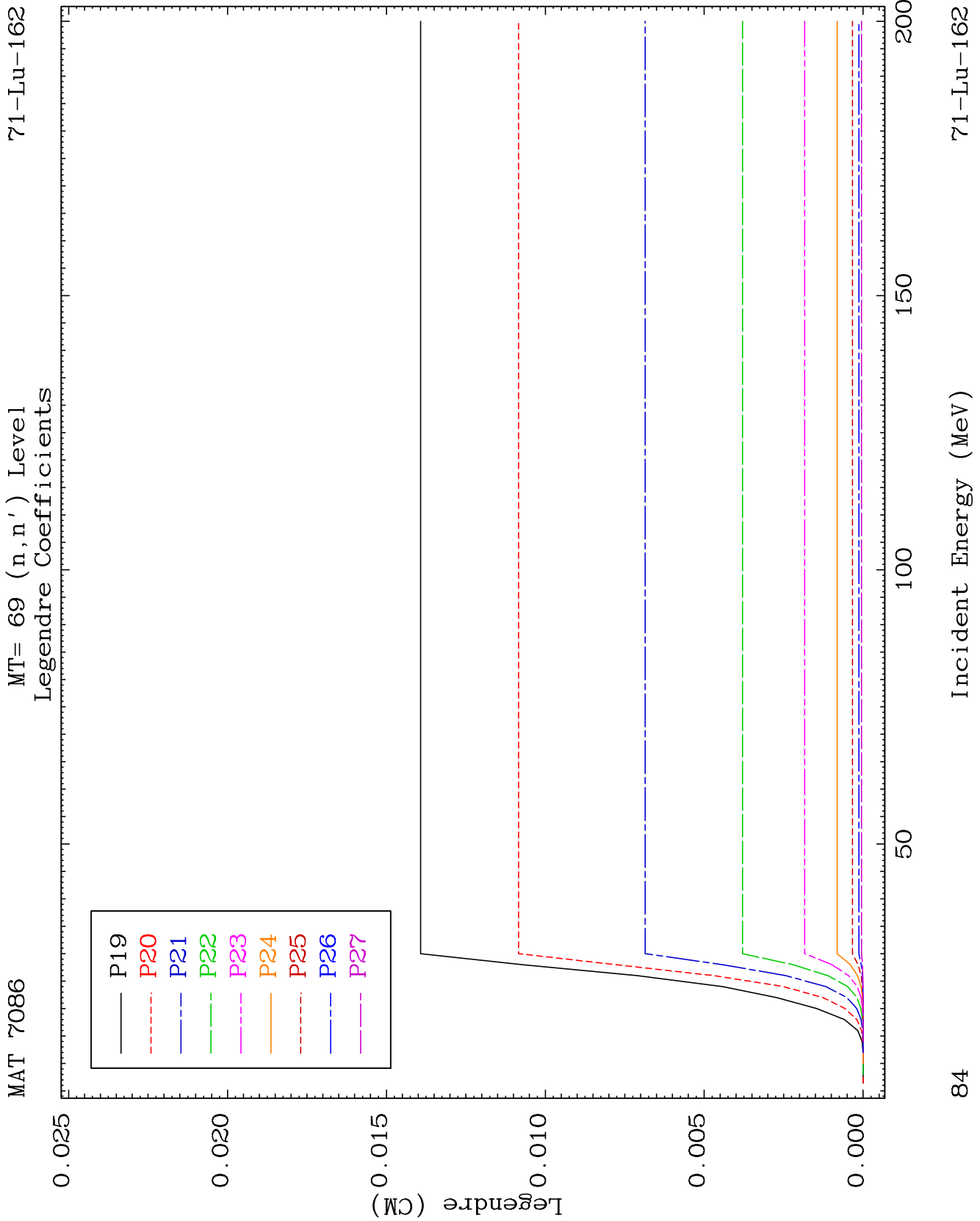
MT= 69 (n,n') Level
Legendre Coefficients

71-Lu-162



83

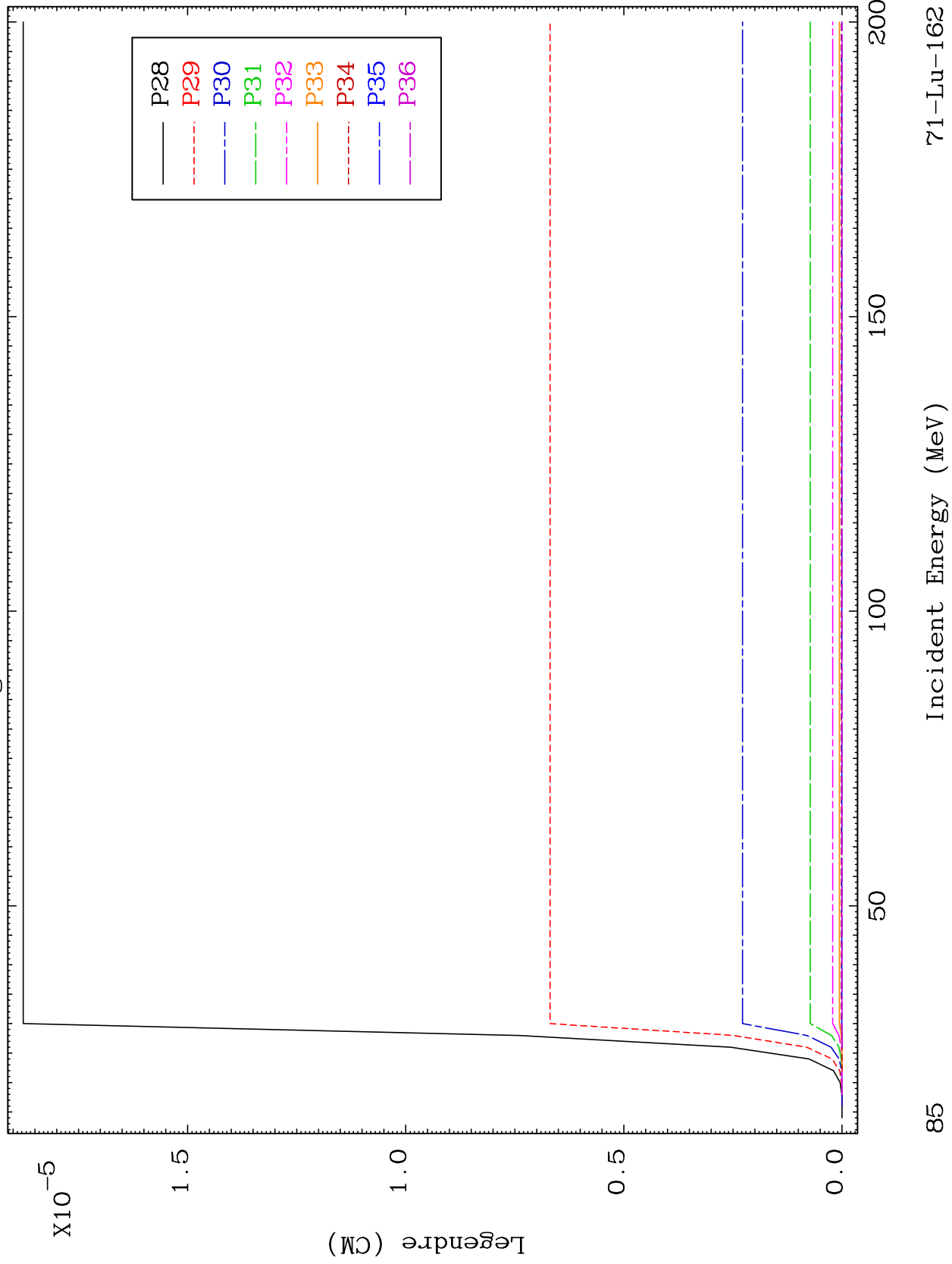
71-Lu-162



MAT 7086

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

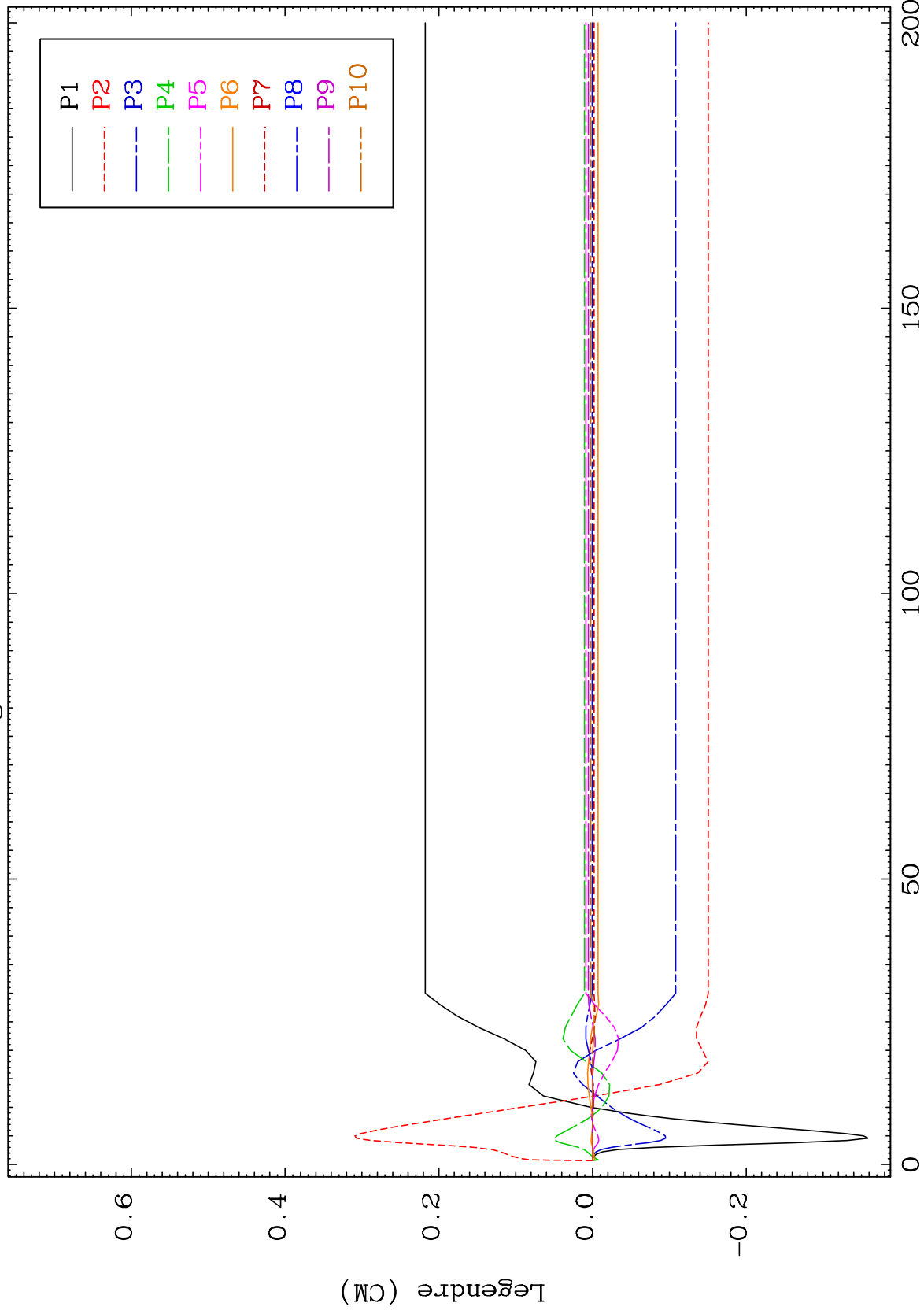
71-Lu-162



MAT 7086

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

71-Lu-162



86

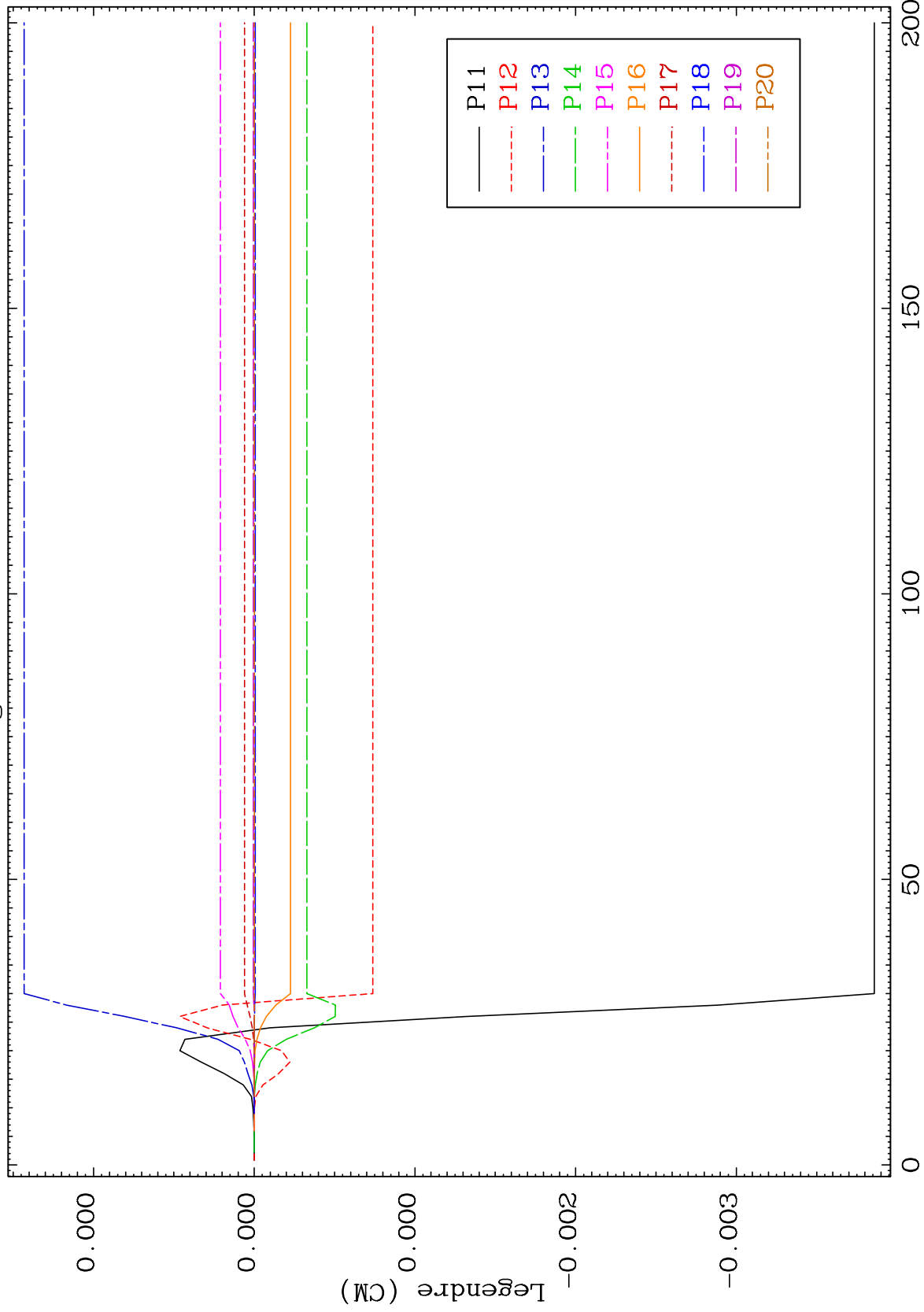
Incident Energy (MeV)

71-Lu-162

MAT 7086

71-Lu-162

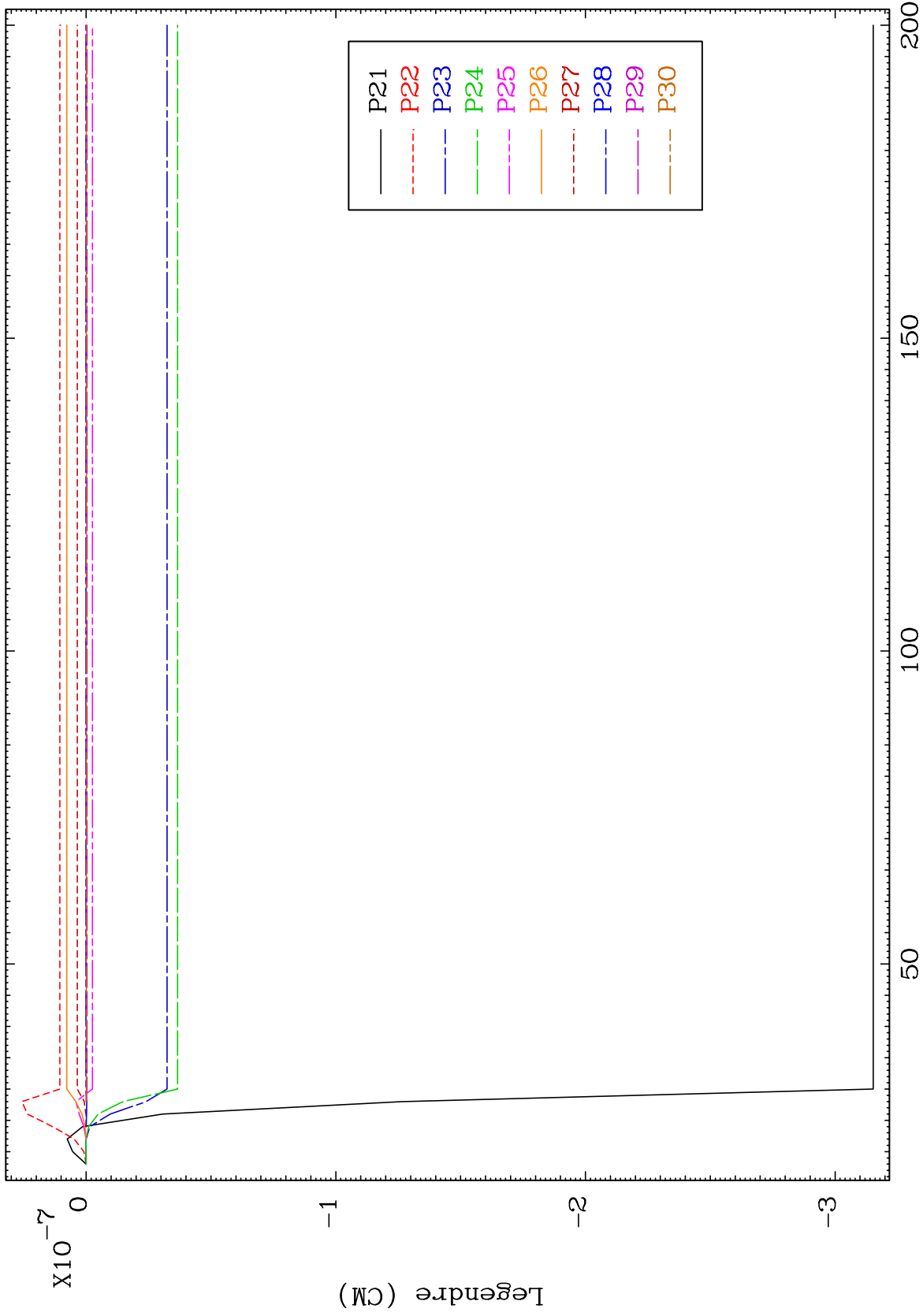
MT= 70 (n,n') Level
Legendre Coefficients

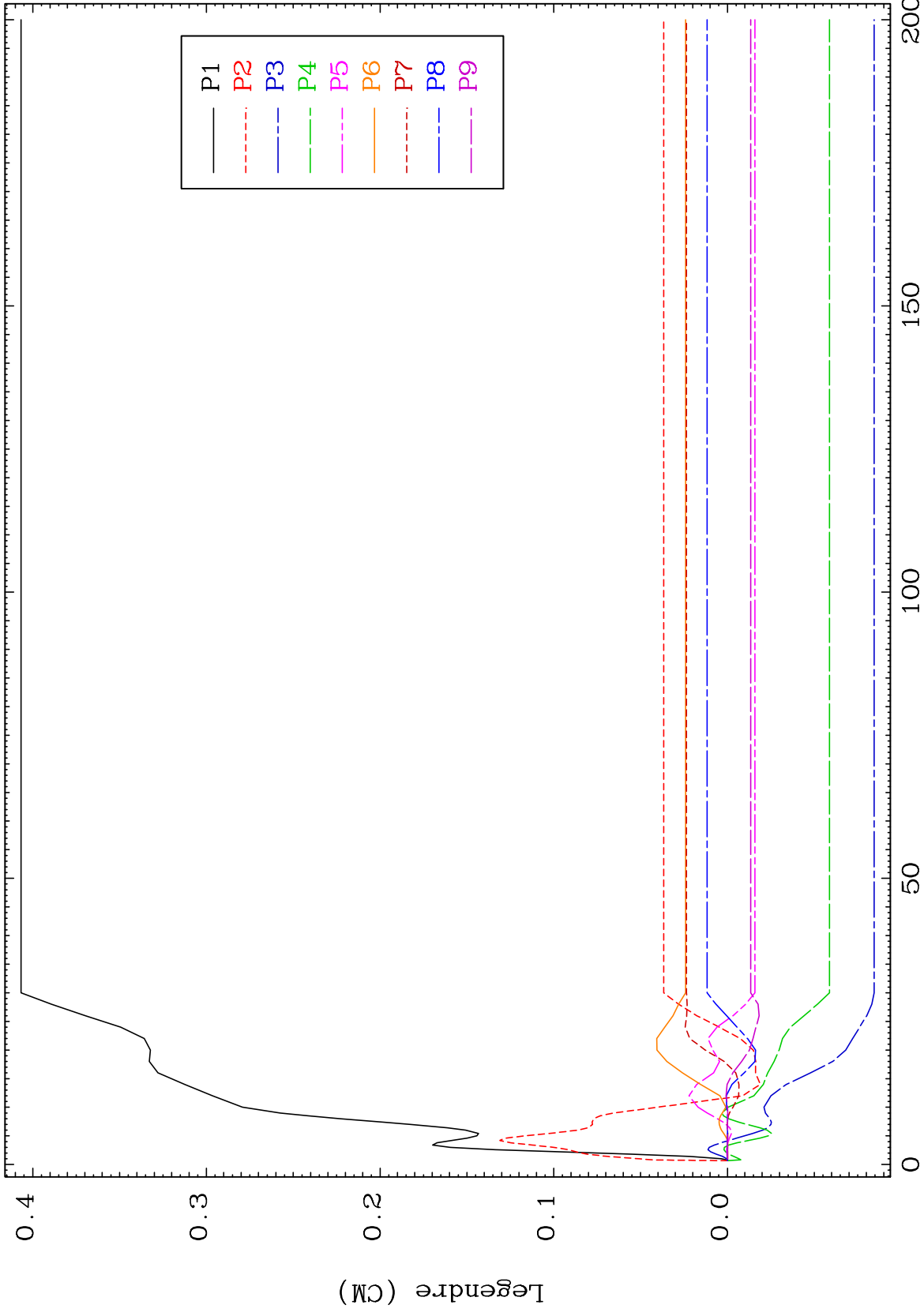


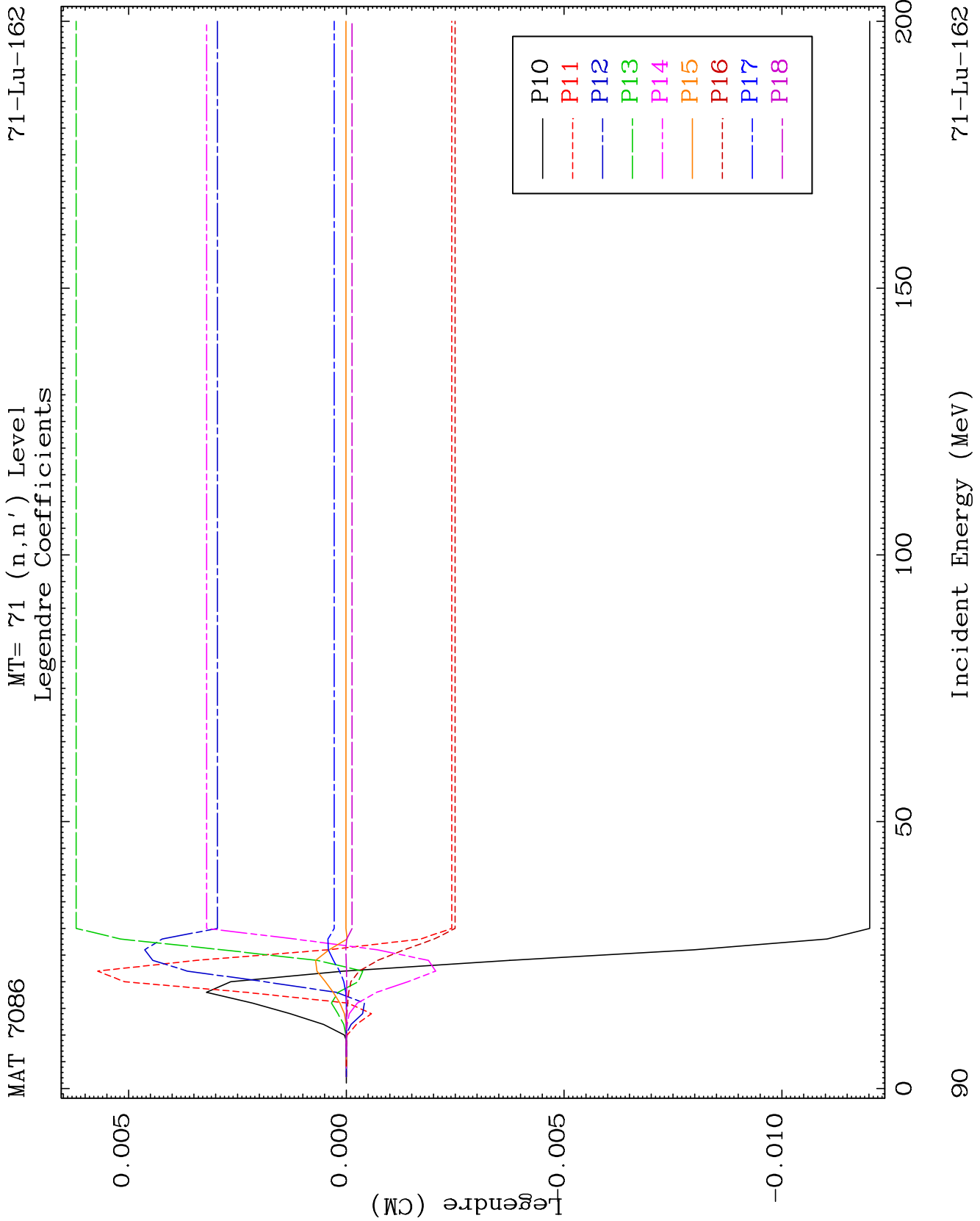
87

Incident Energy (MeV)

71-Lu-162



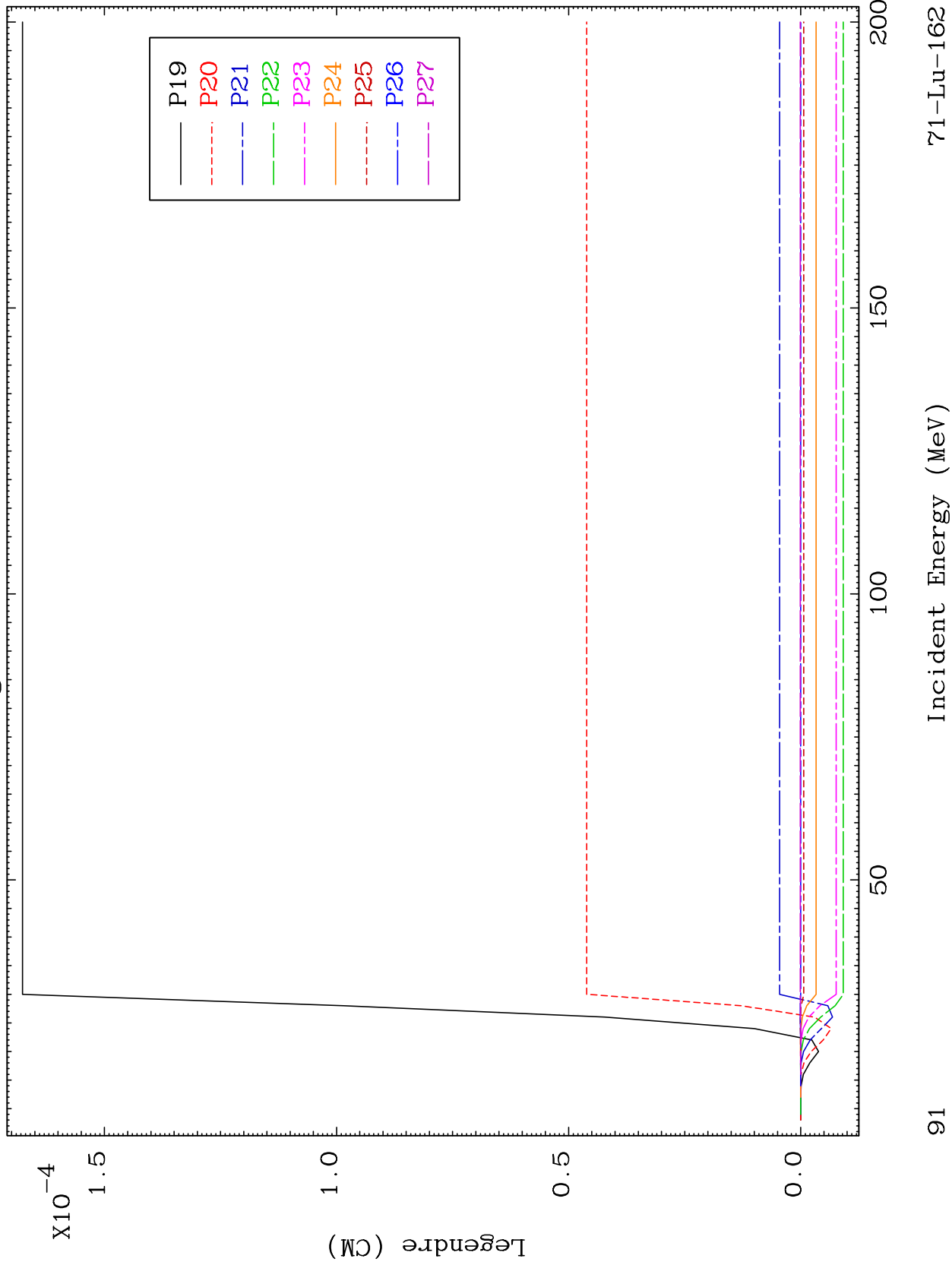




MAT 7086

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

71-Lu-162



91

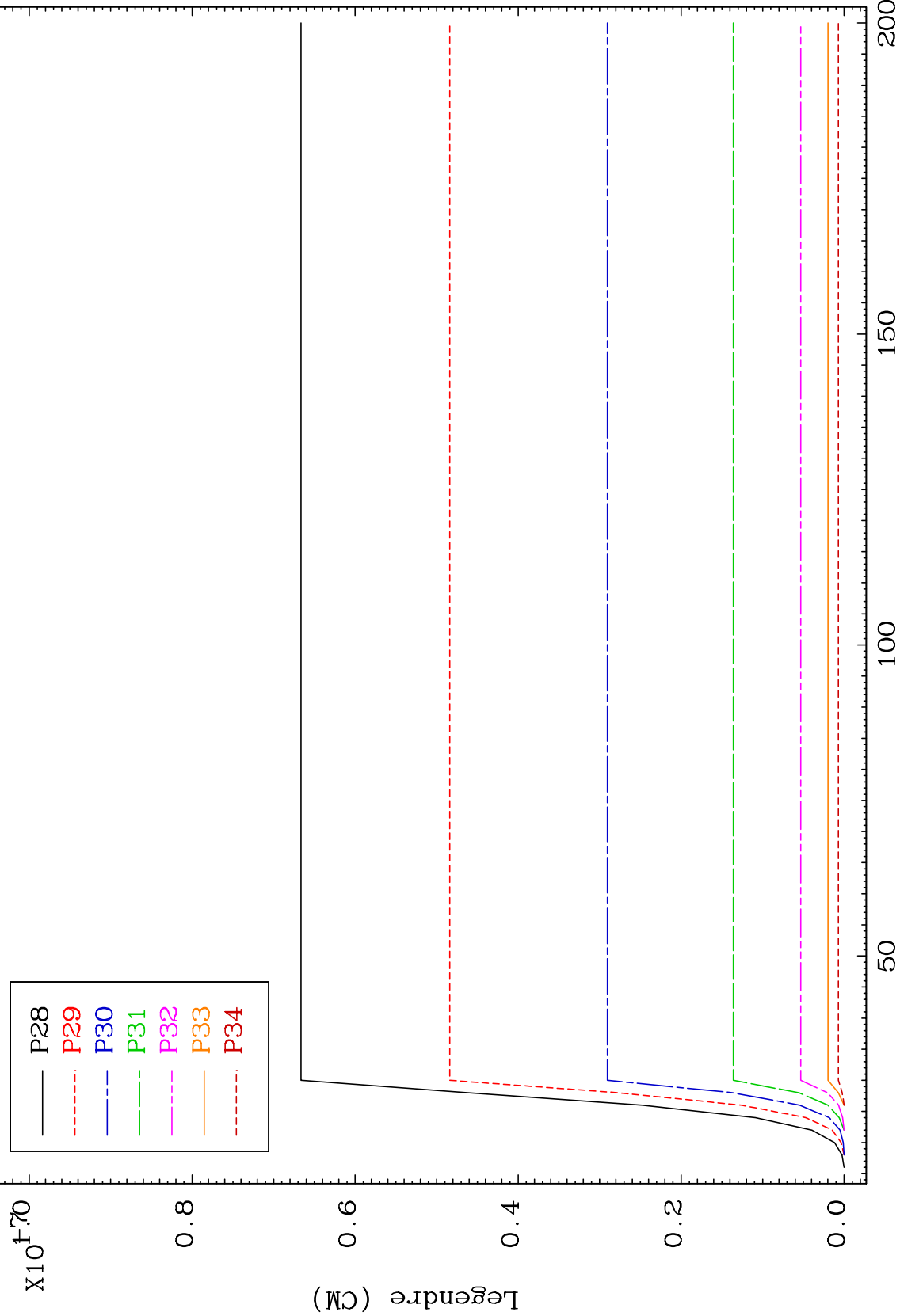
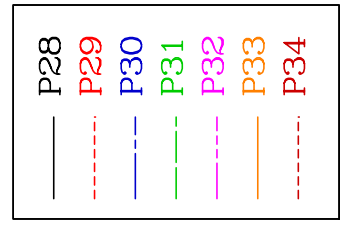
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



92

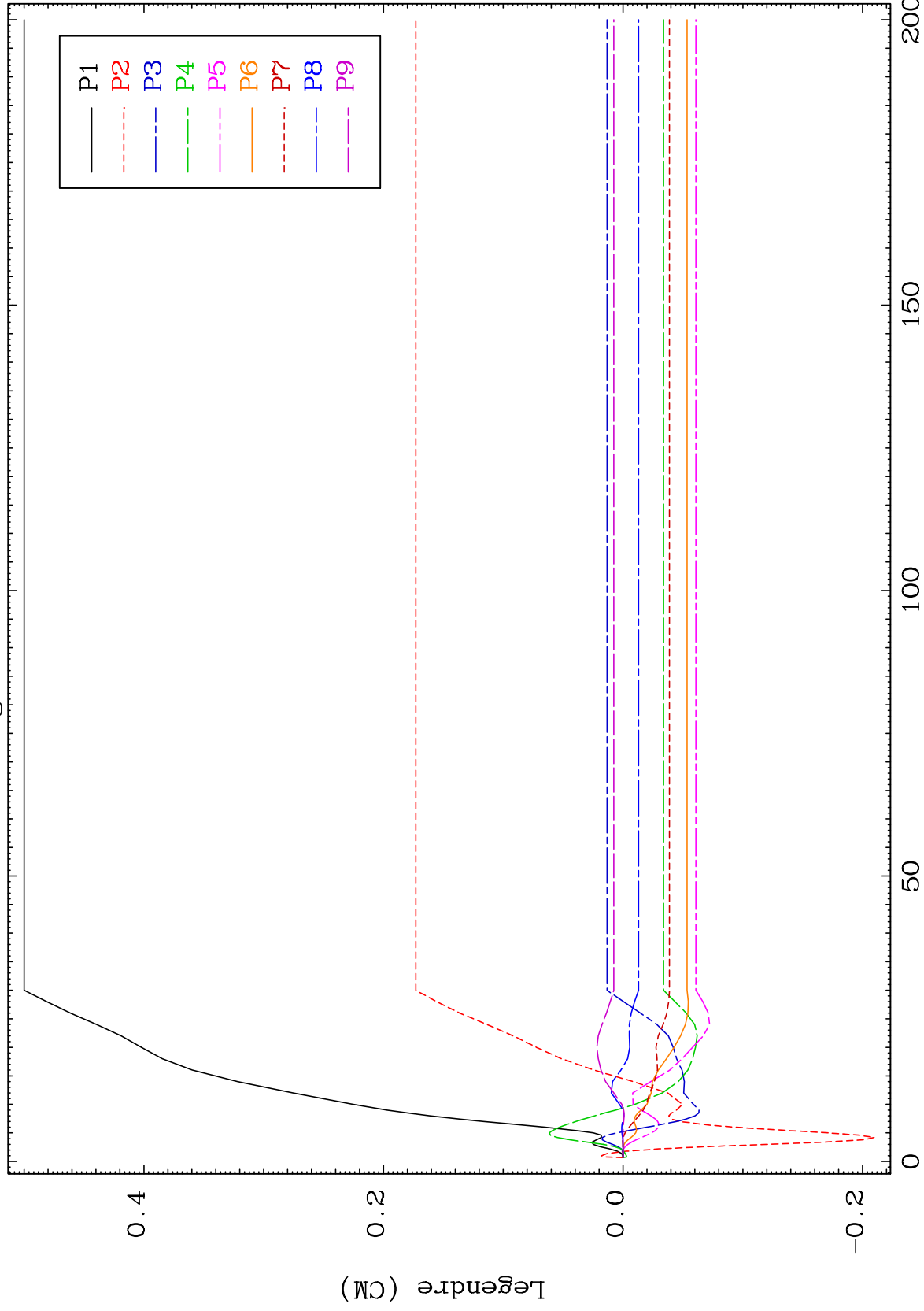
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



93

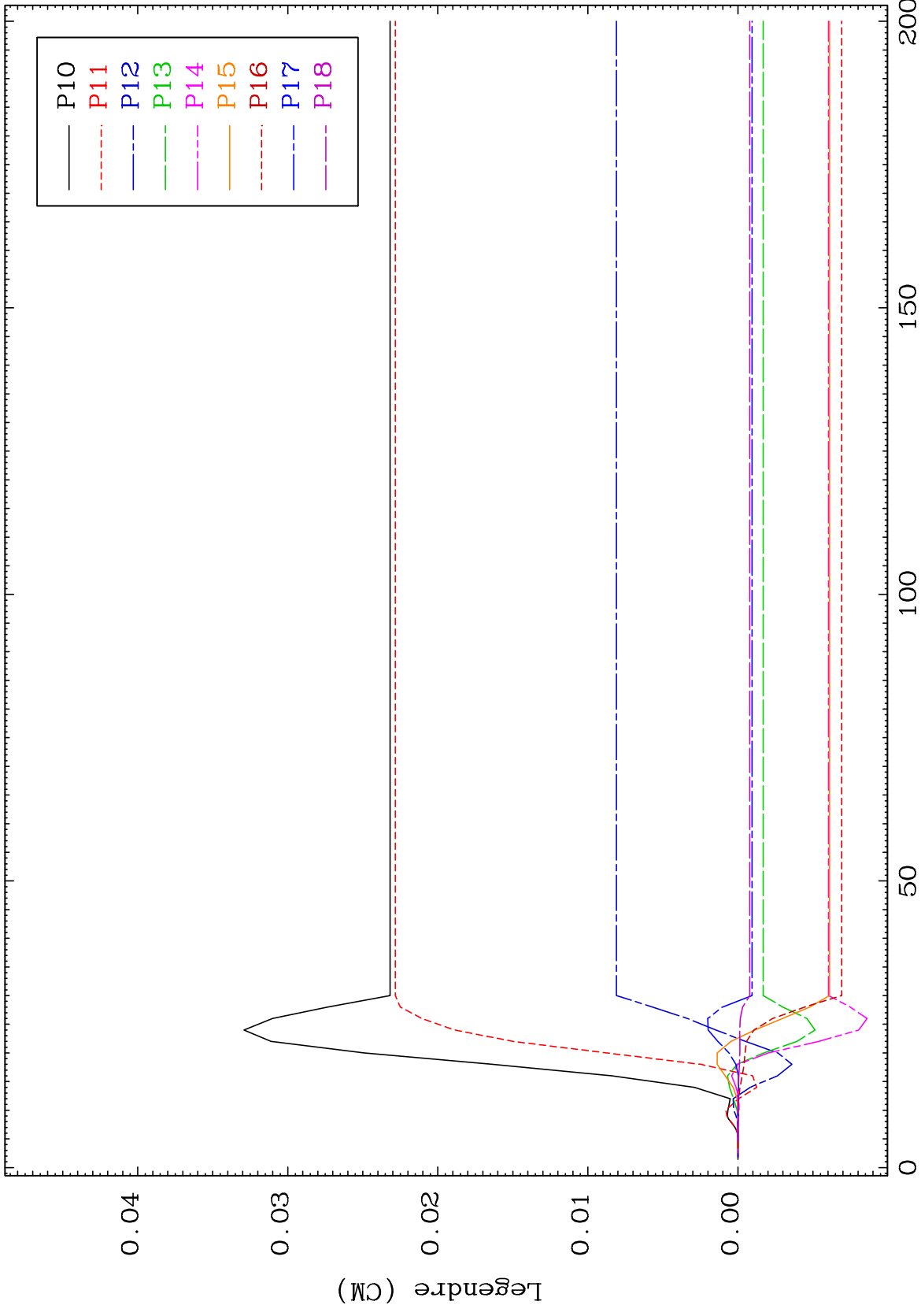
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



94

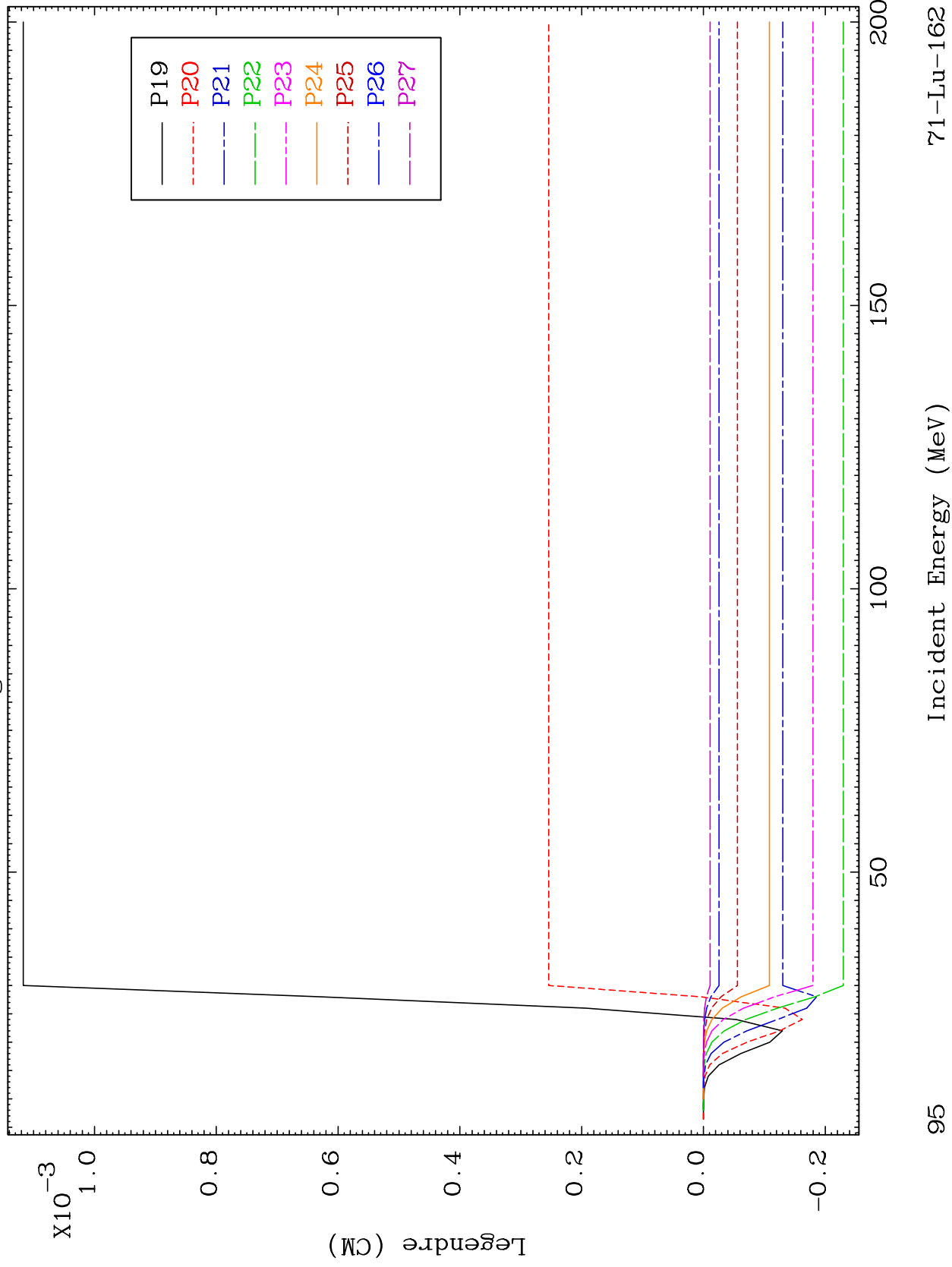
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



95

Incident Energy (MeV)

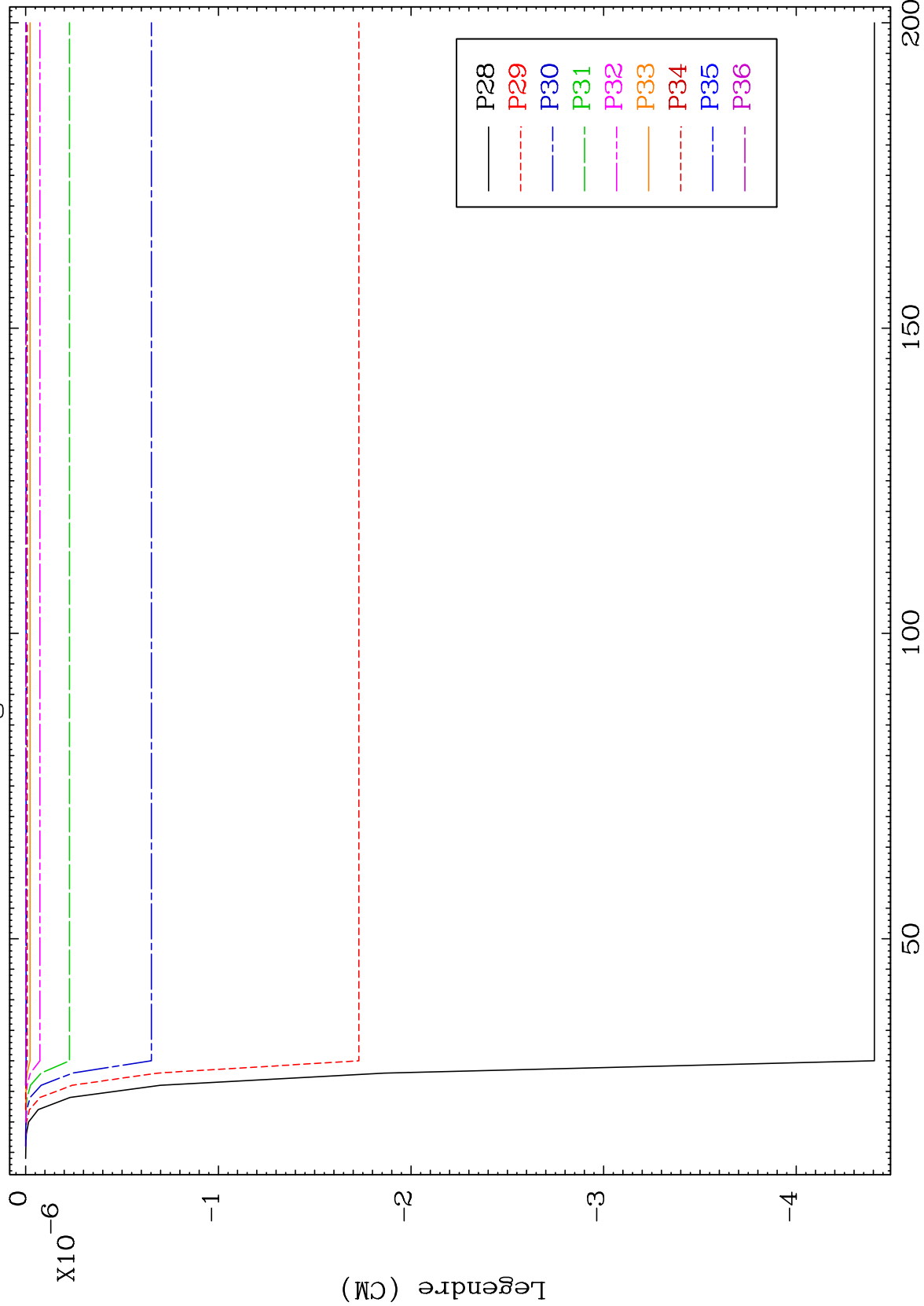
71-Lu-162

MAT 7086

MT= 72 (n,n') Level

71-Lu-162

Legendre Coefficients



71-Lu-162

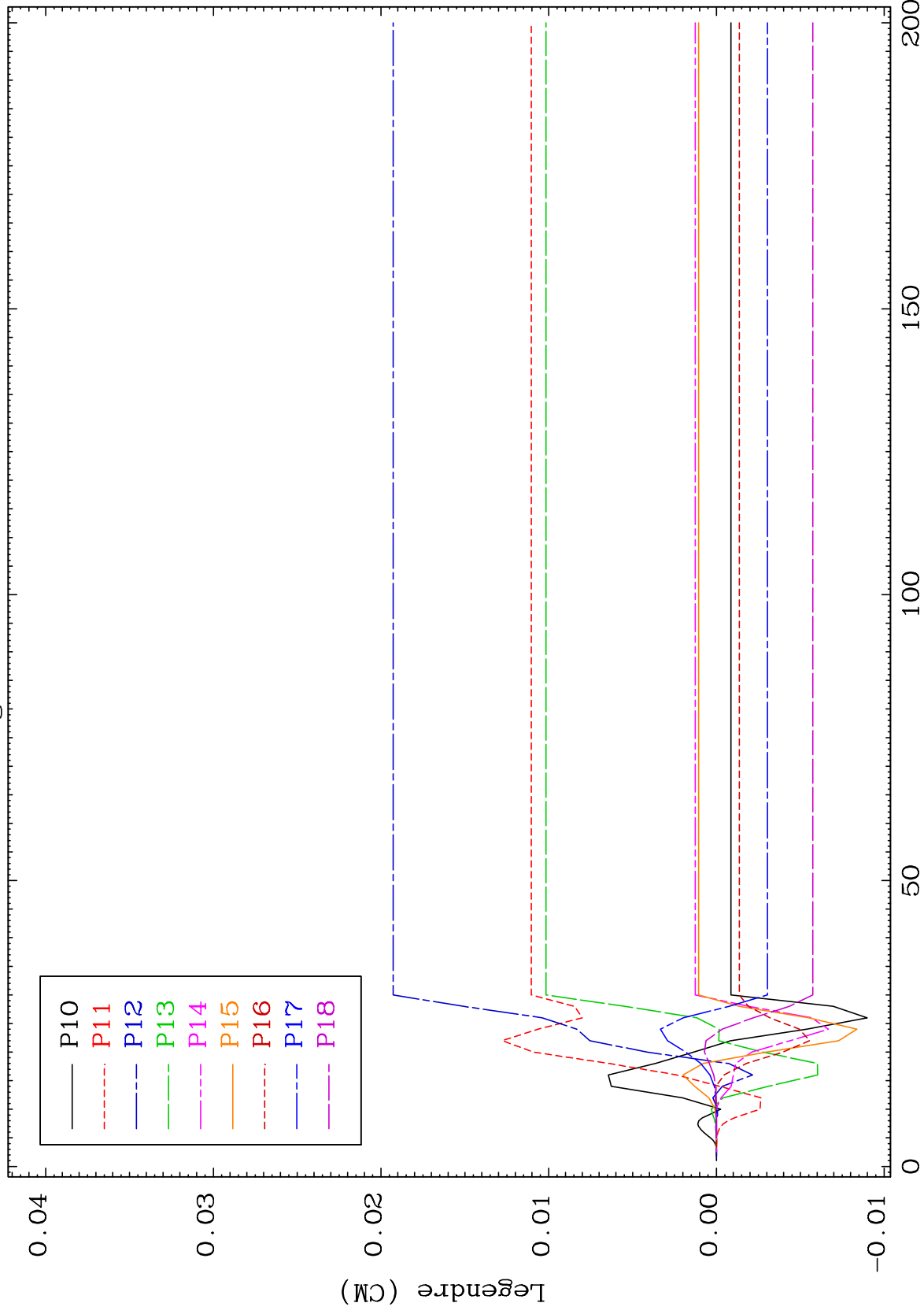
Incident Energy (MeV)

96

MAT 7086

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

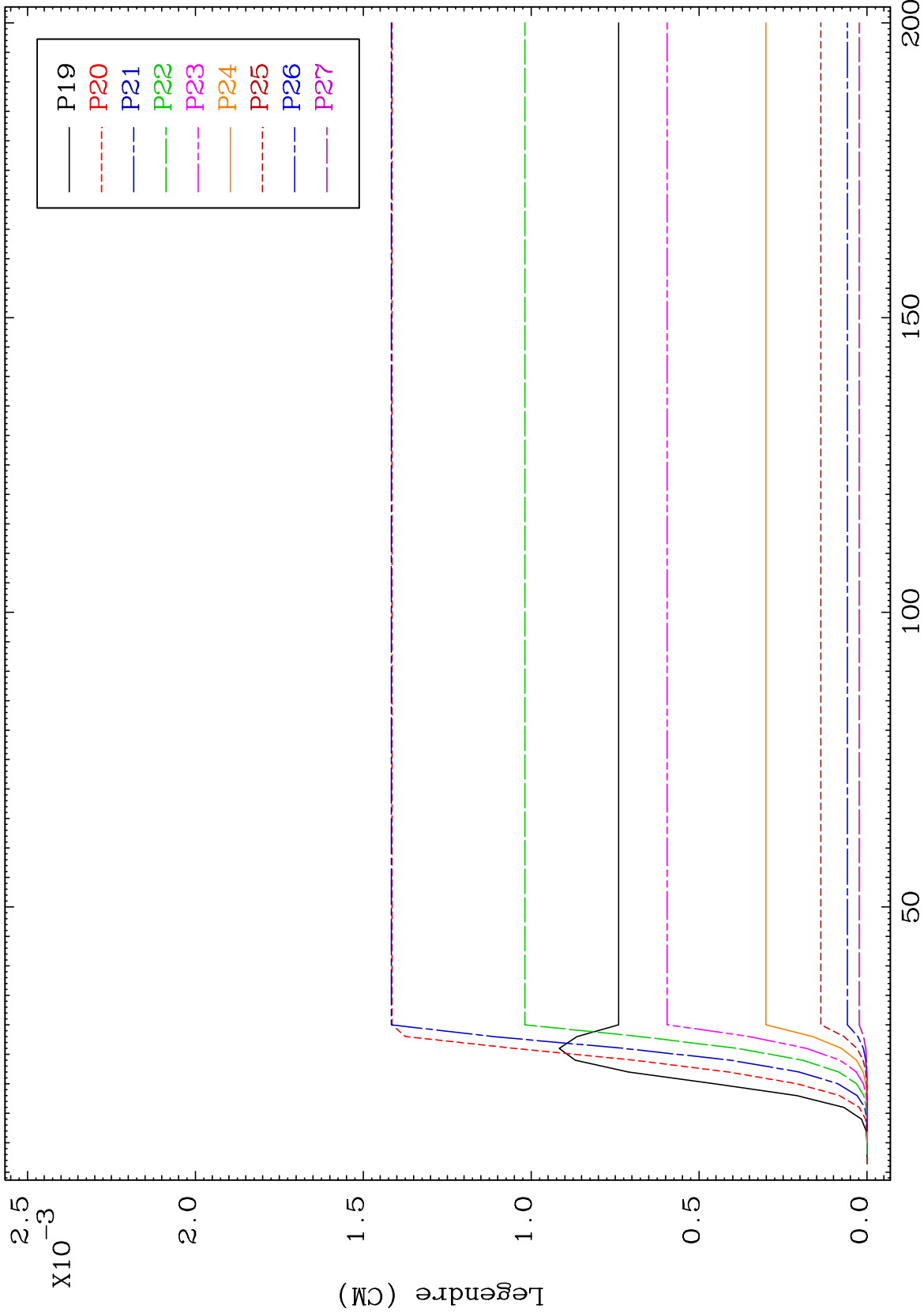
71-Lu-162



98

Incident Energy (MeV)

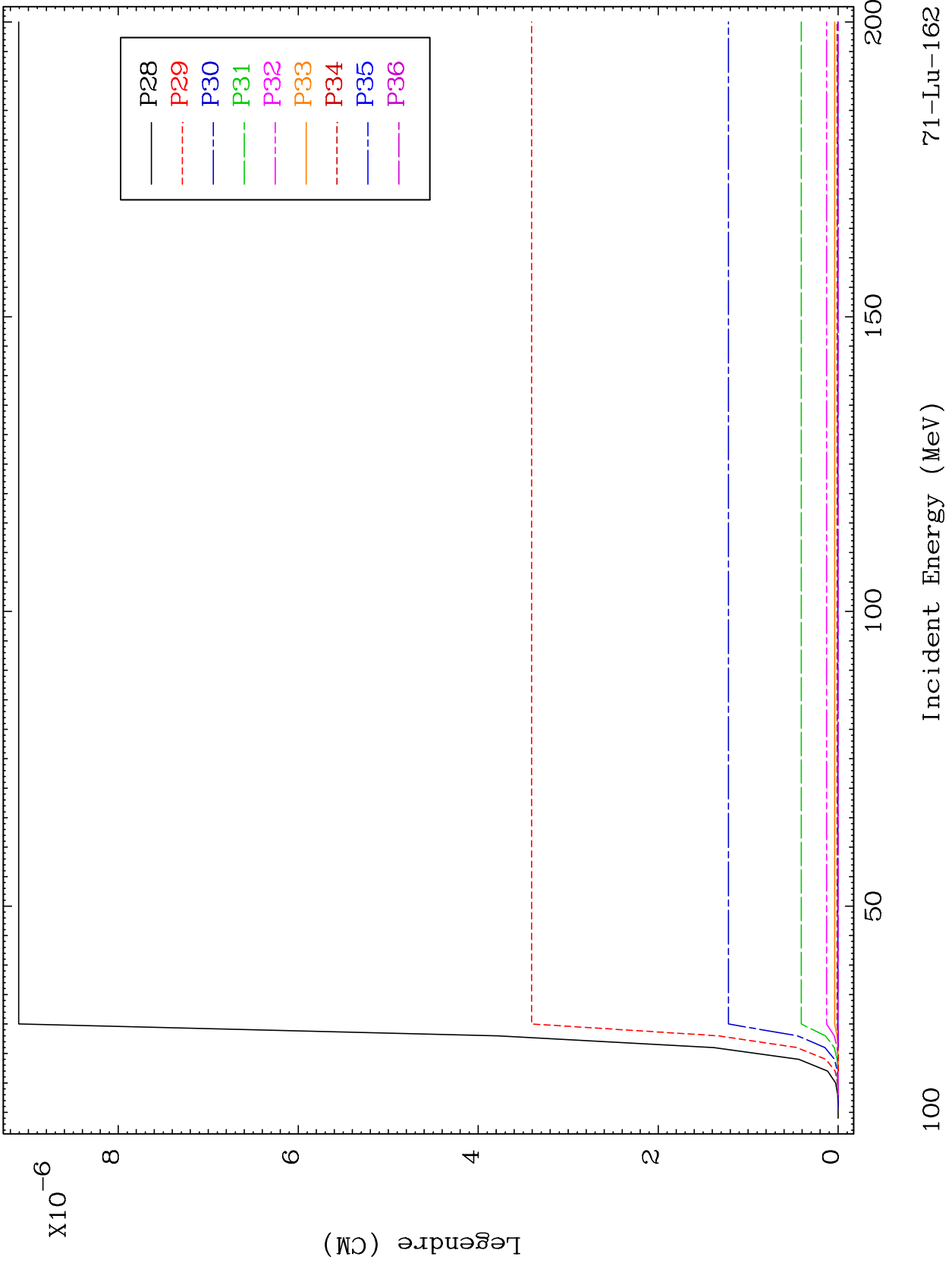
71-Lu-162

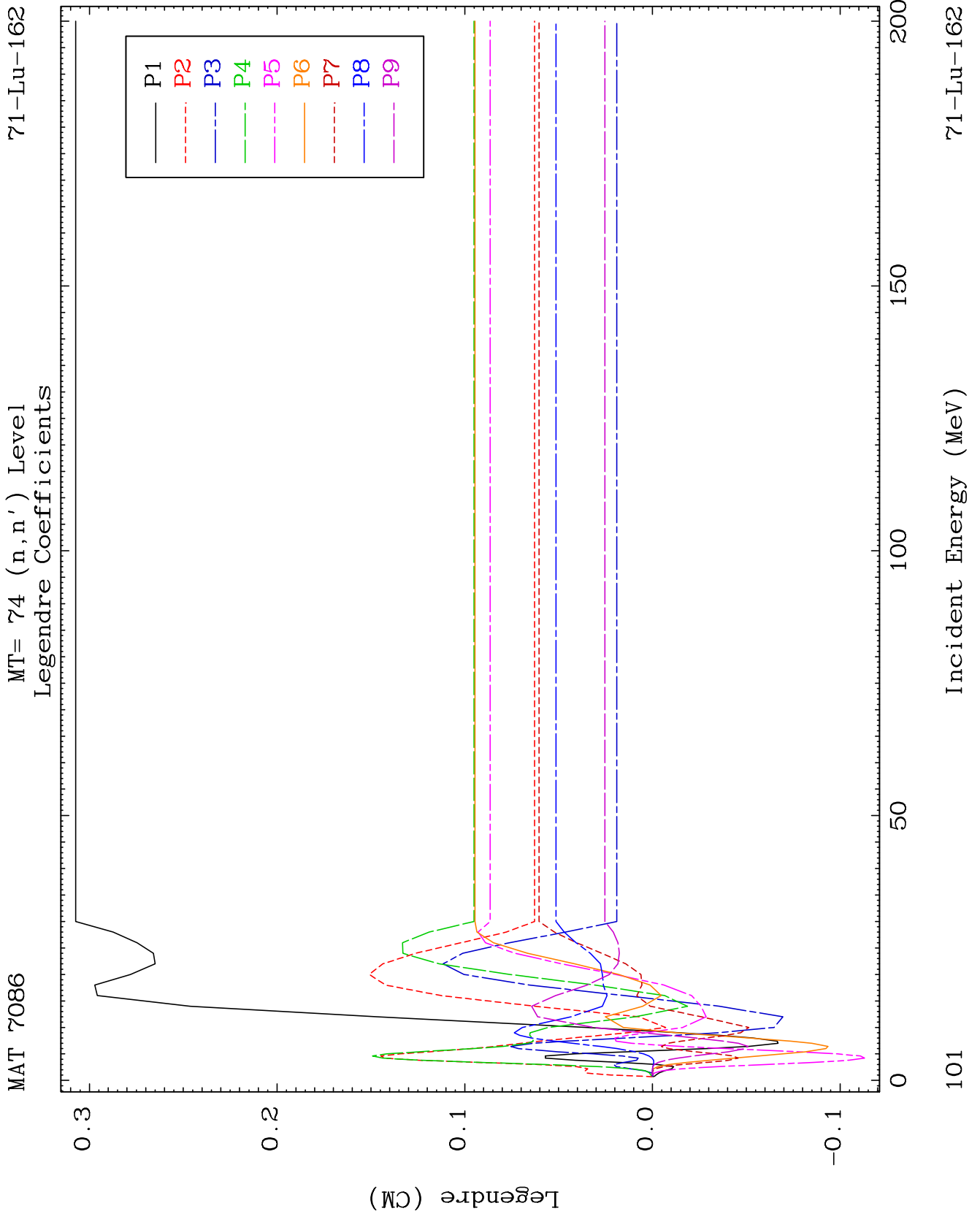


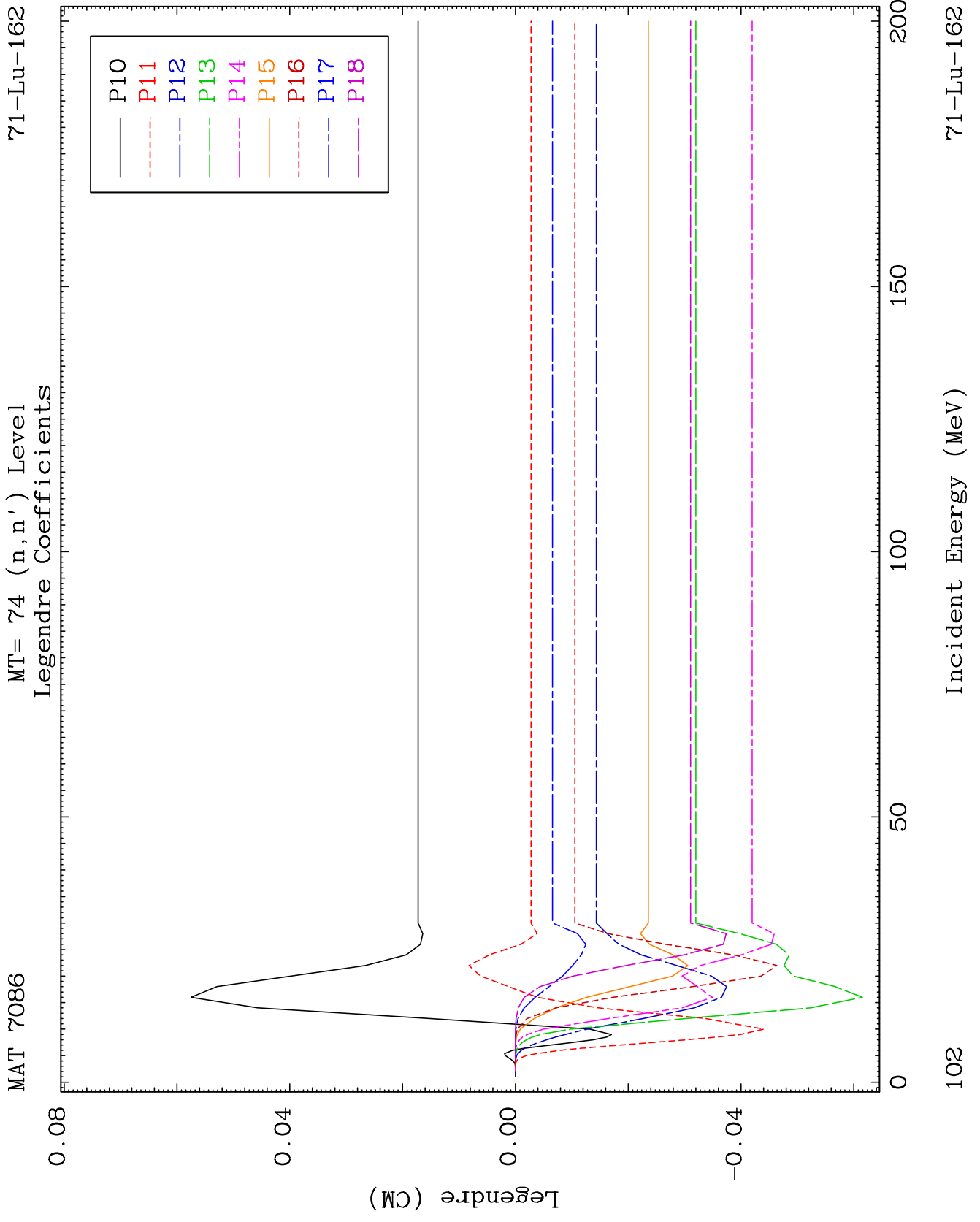
MAT 7086

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

71-Lu-162



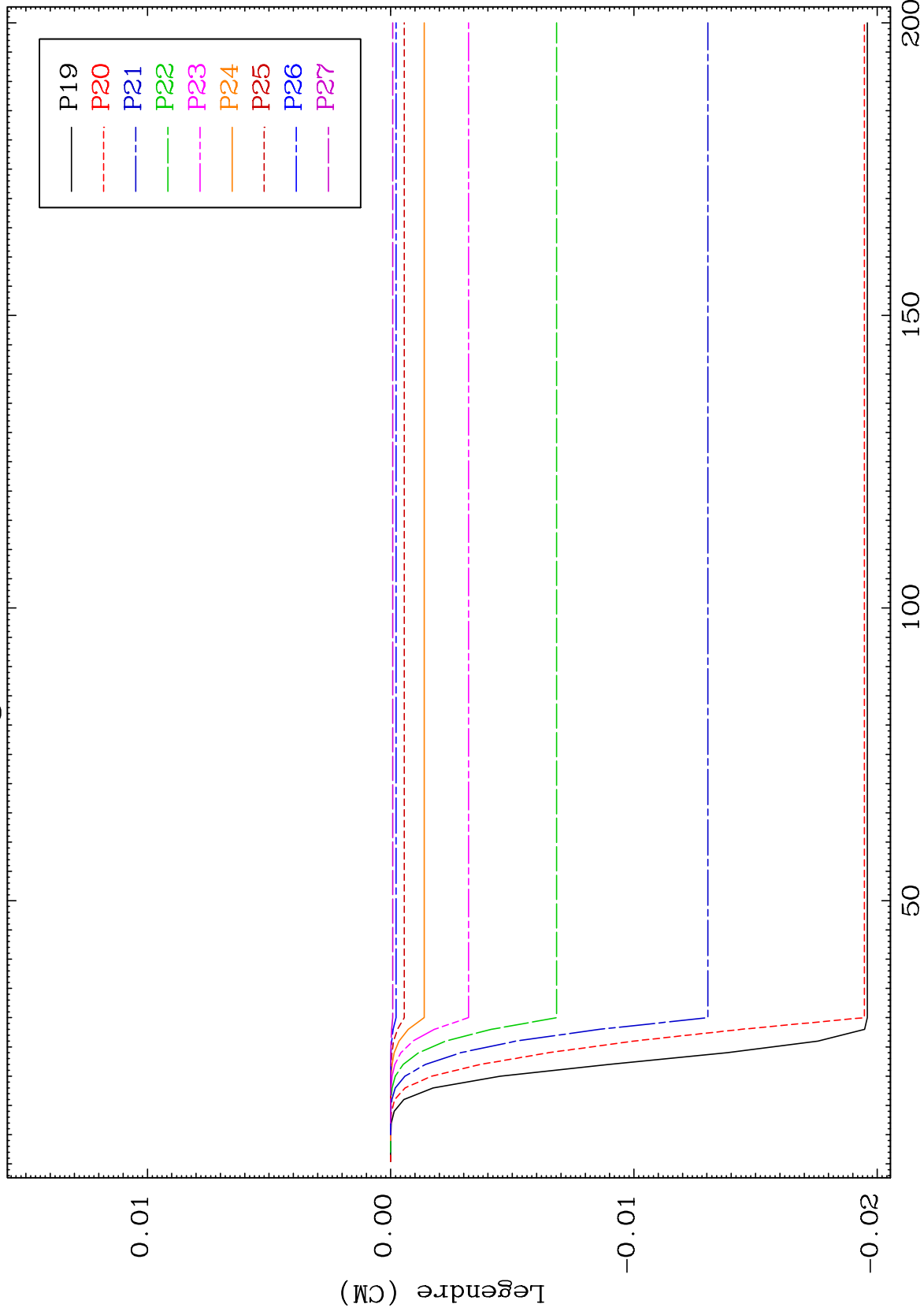




MAT 7086

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

71-Lu-162



103

Incident Energy (MeV)

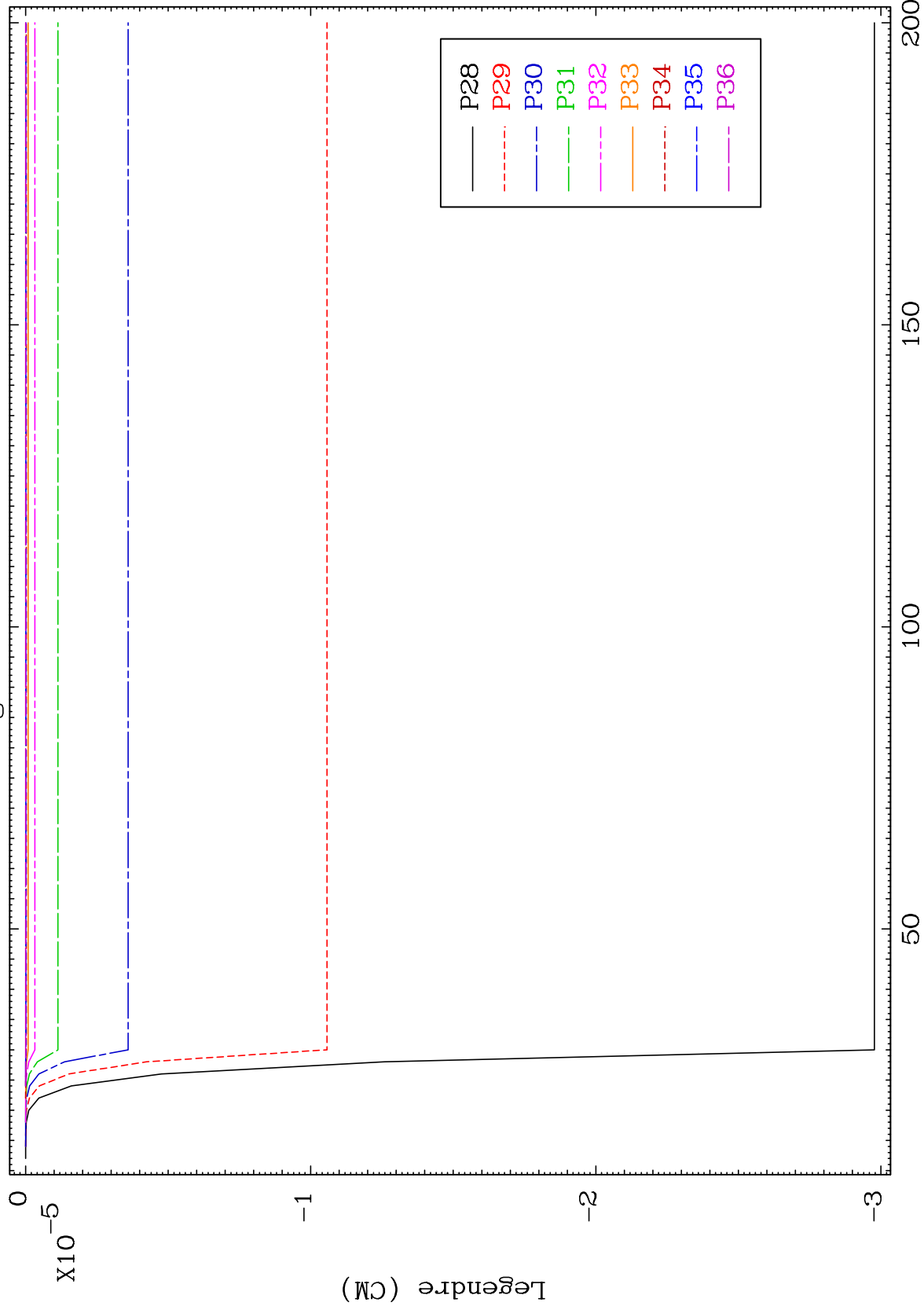
71-Lu-162

MAT 7086

MT= 74 (n,n') Level

71-Lu-162

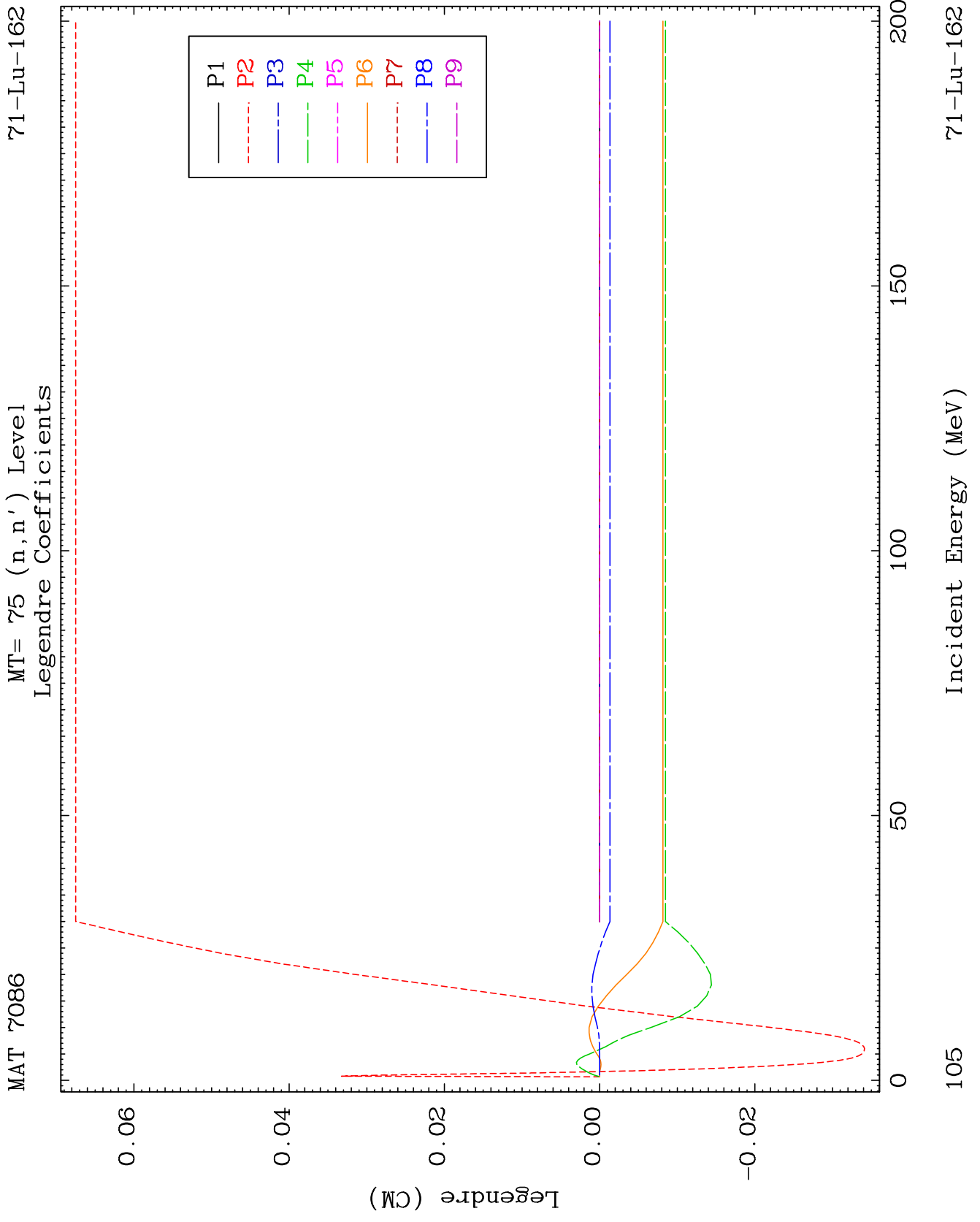
Legendre Coefficients



71-Lu-162

Incident Energy (MeV)

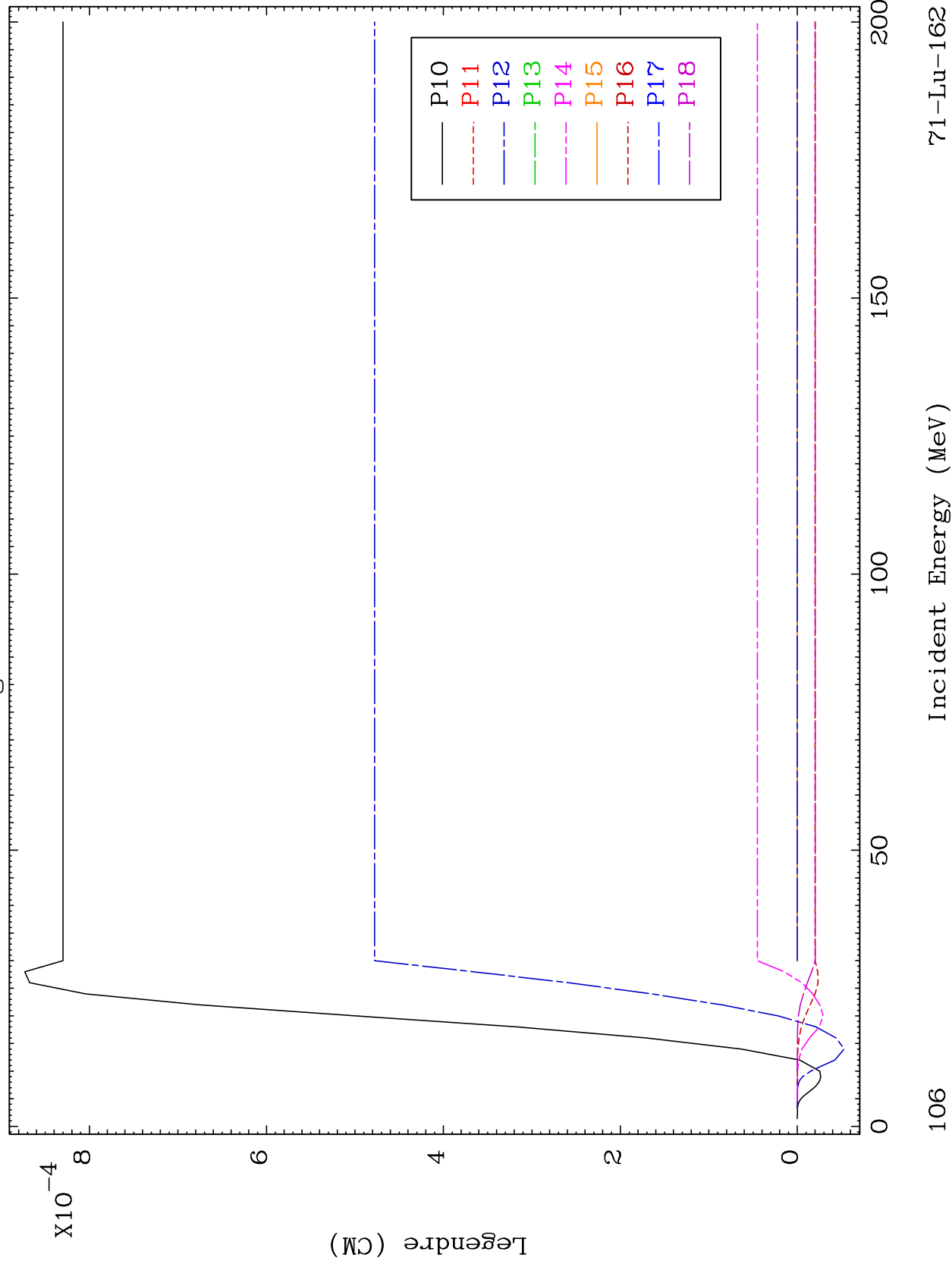
104



MAT 7086

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

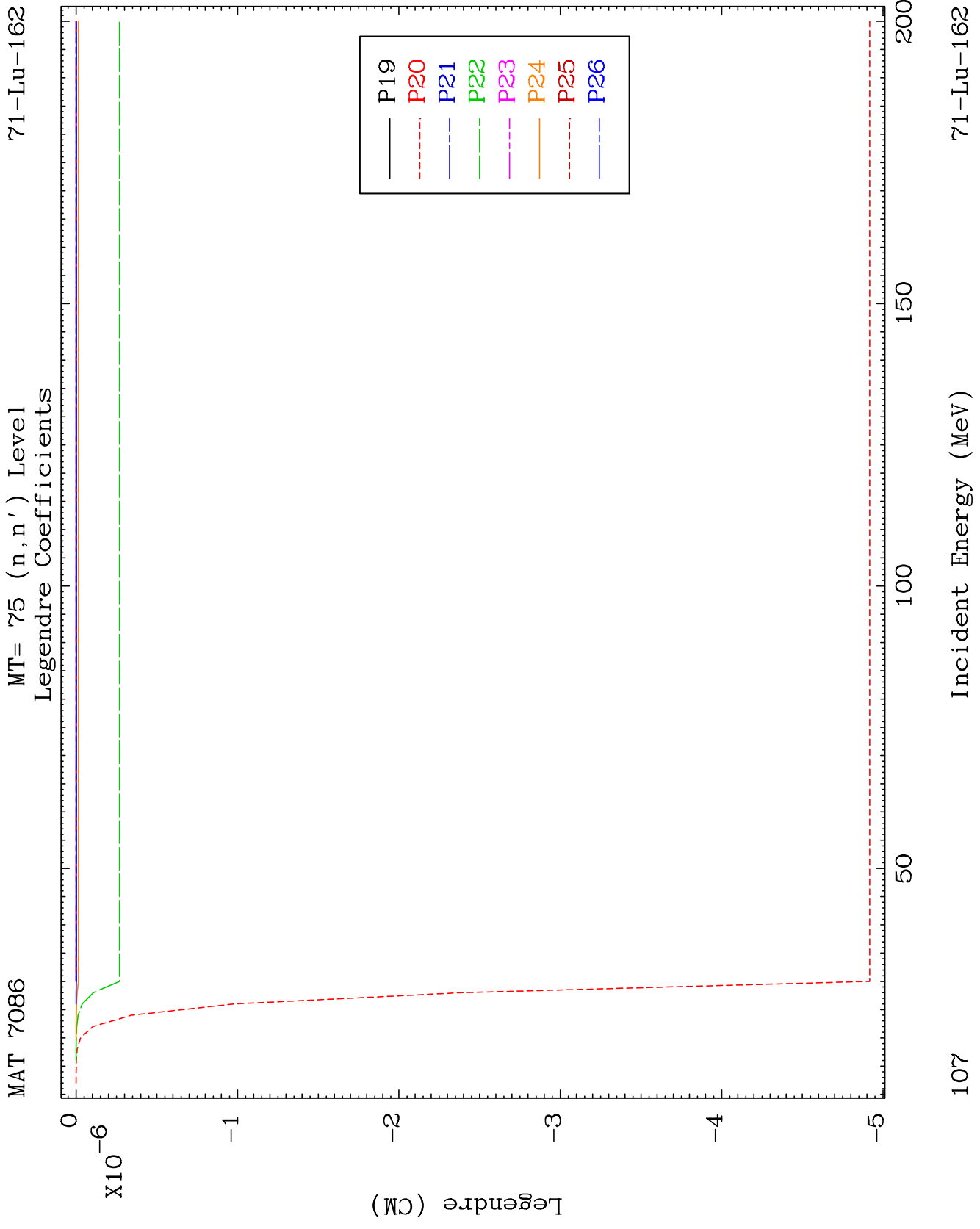
71-Lu-162



71-Lu-162

Incident Energy (MeV)

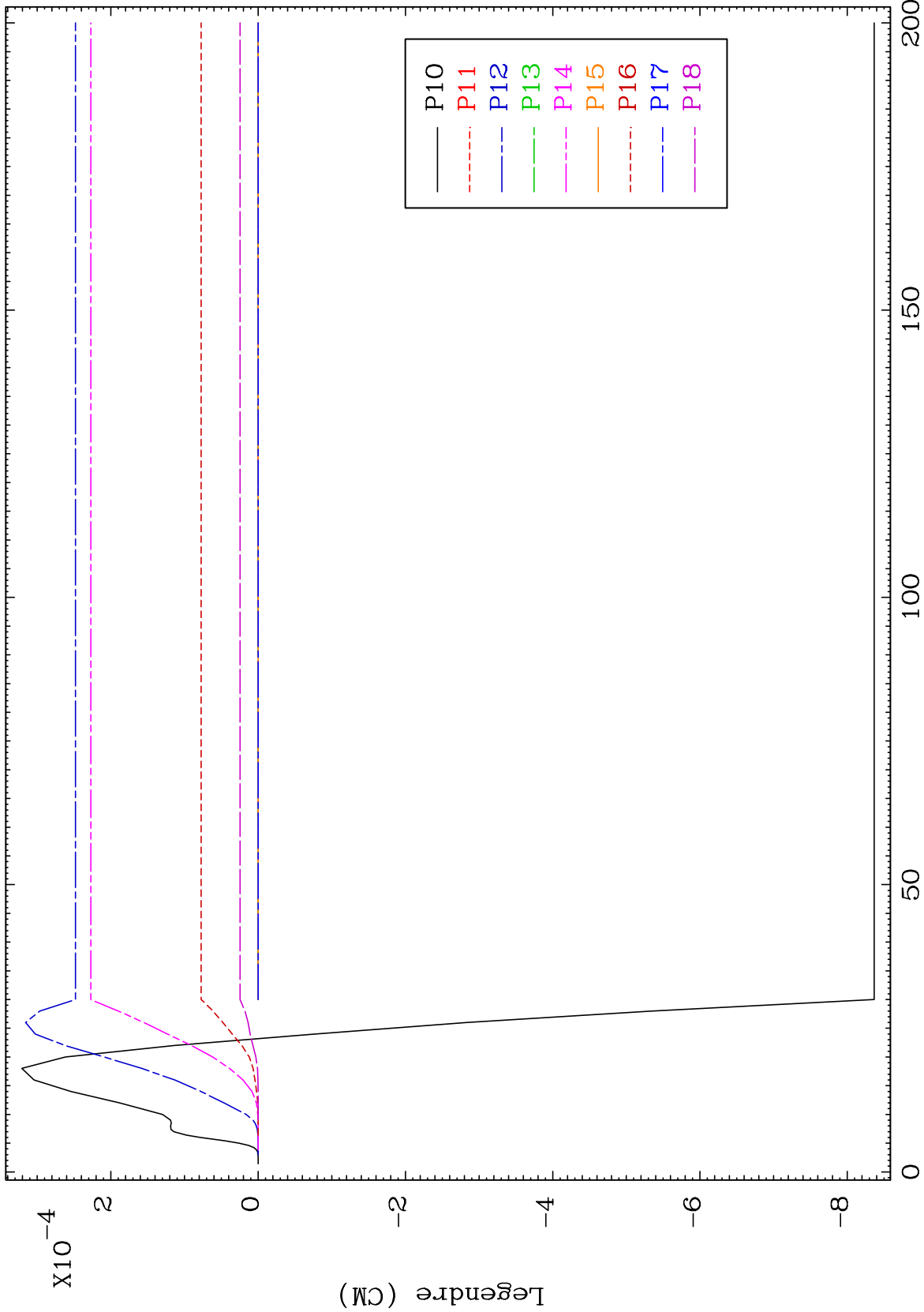
106



MAT 7086

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

71-Lu-162



109

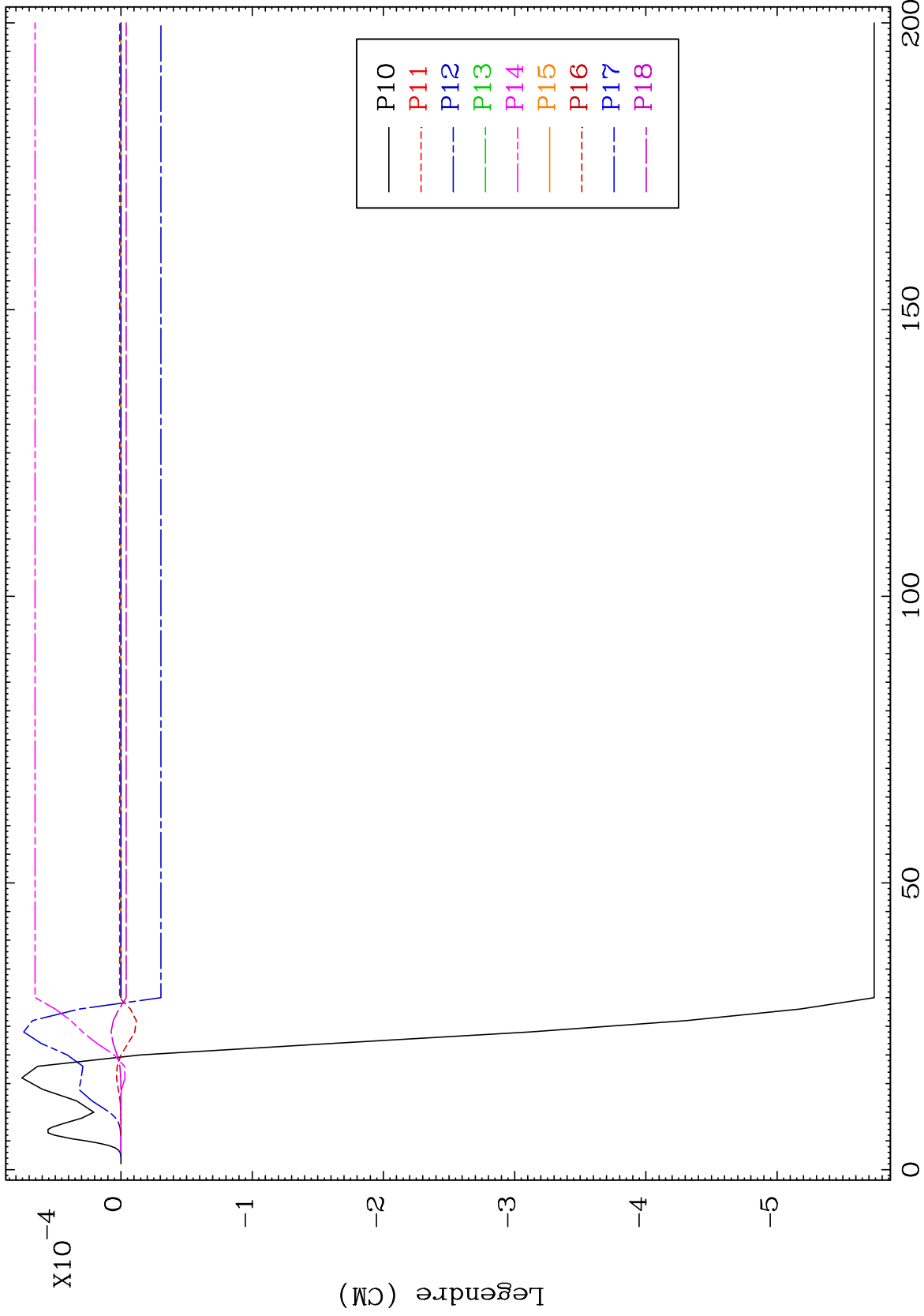
Incident Energy (MeV)

71-Lu-162

MAT 7086

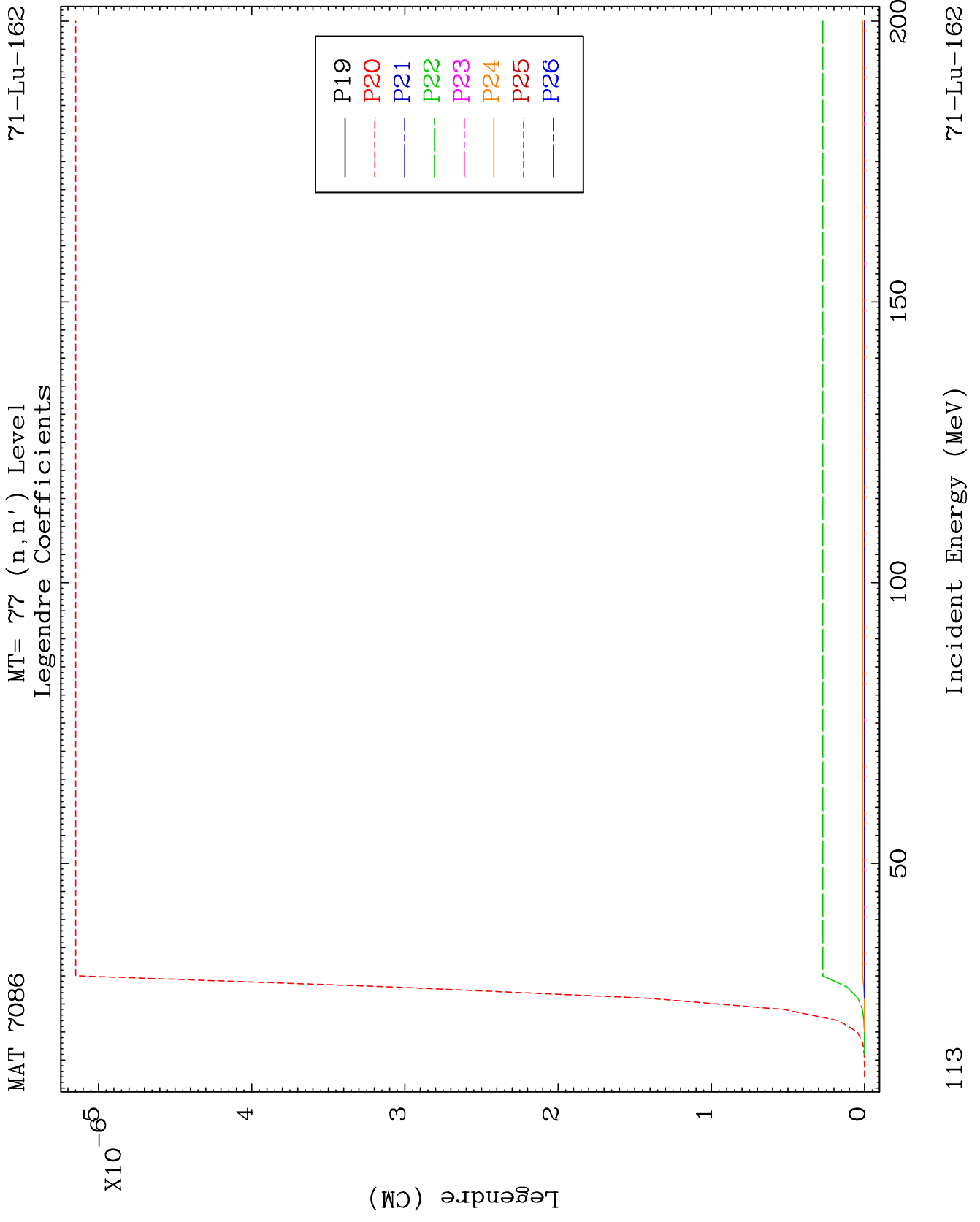
MT= 77 (n,n') Level
Legendre Coefficients

71-Lu-162



112

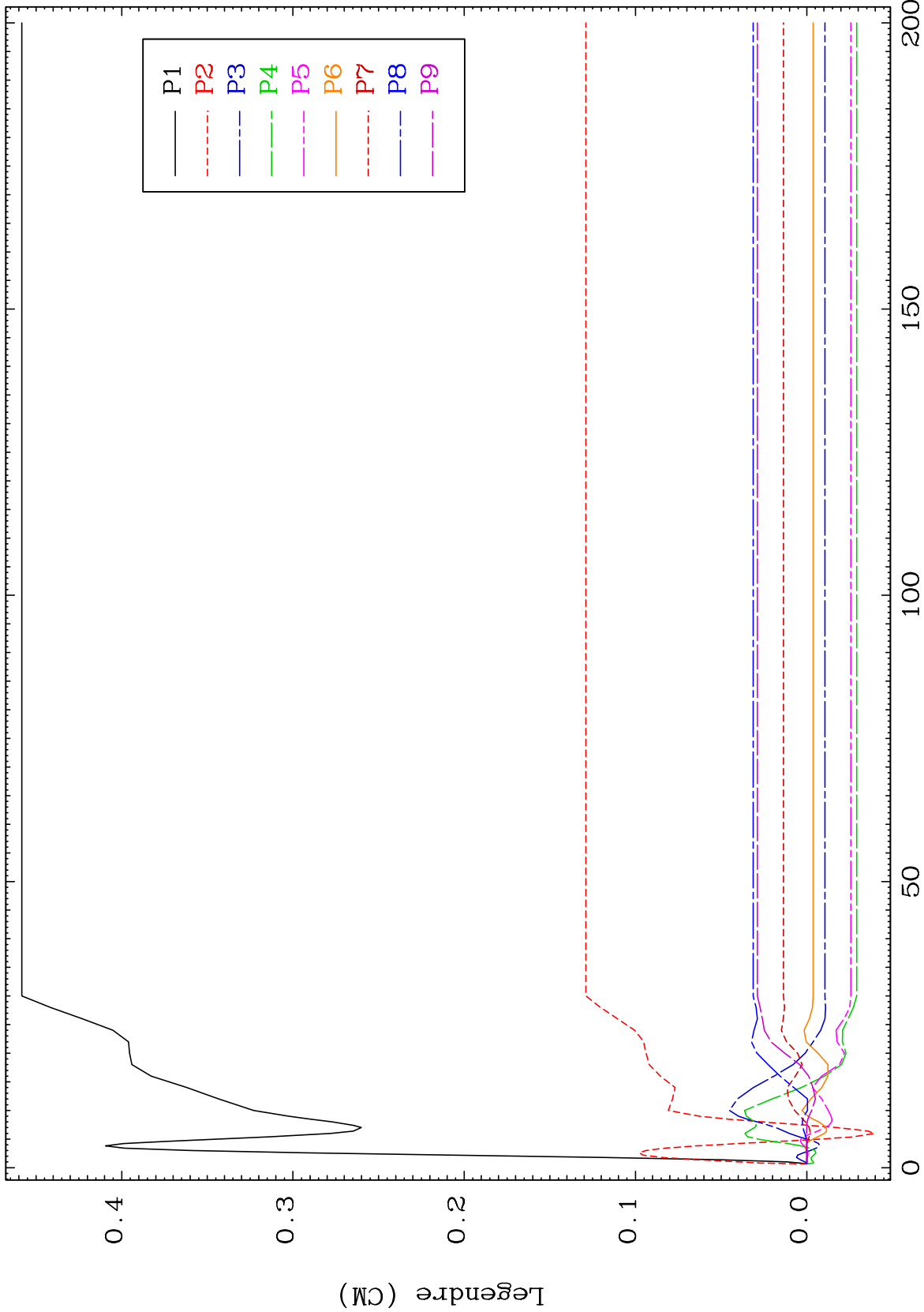
71-Lu-162



MAT 7086

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

71-Lu-162



114

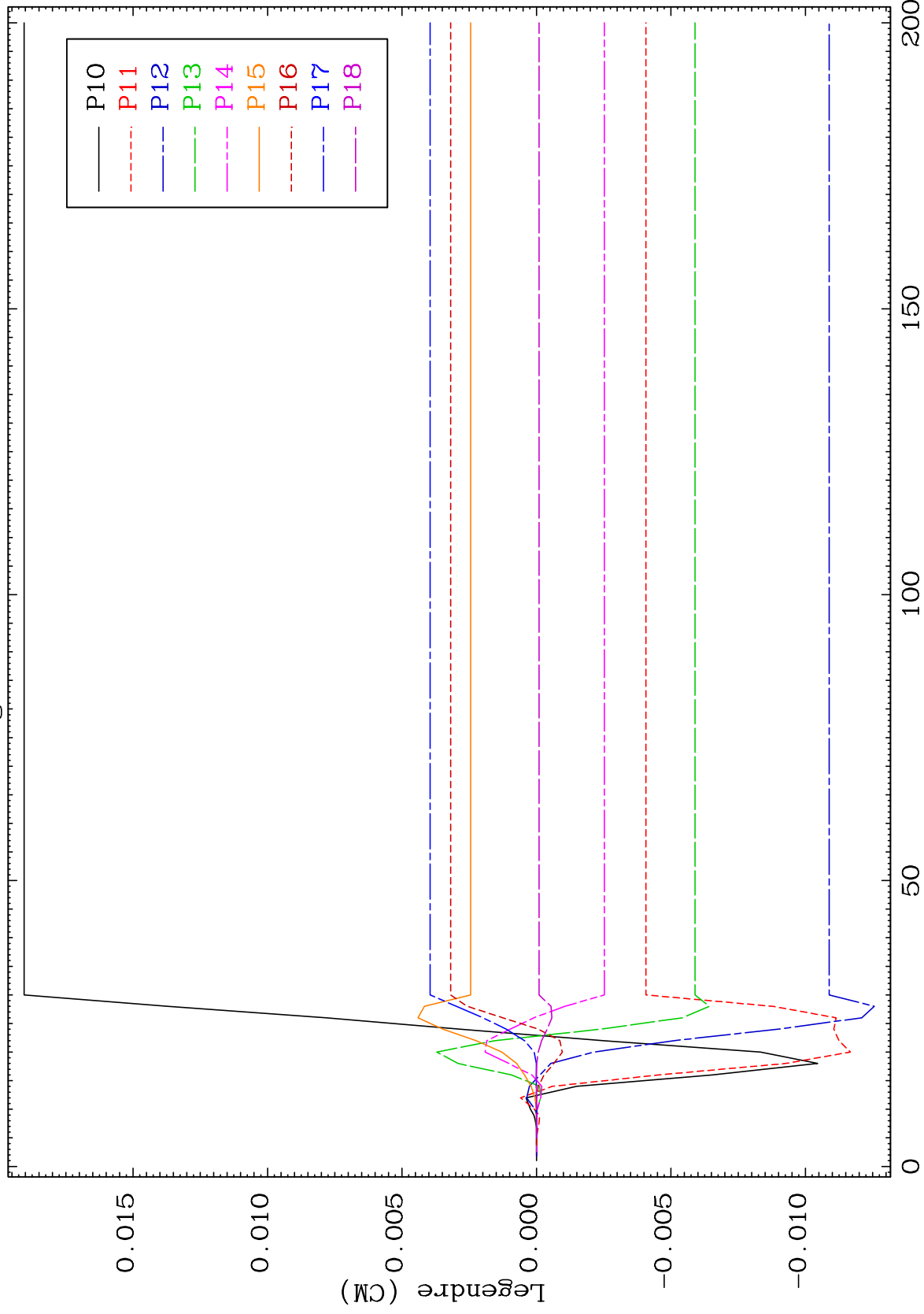
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



115

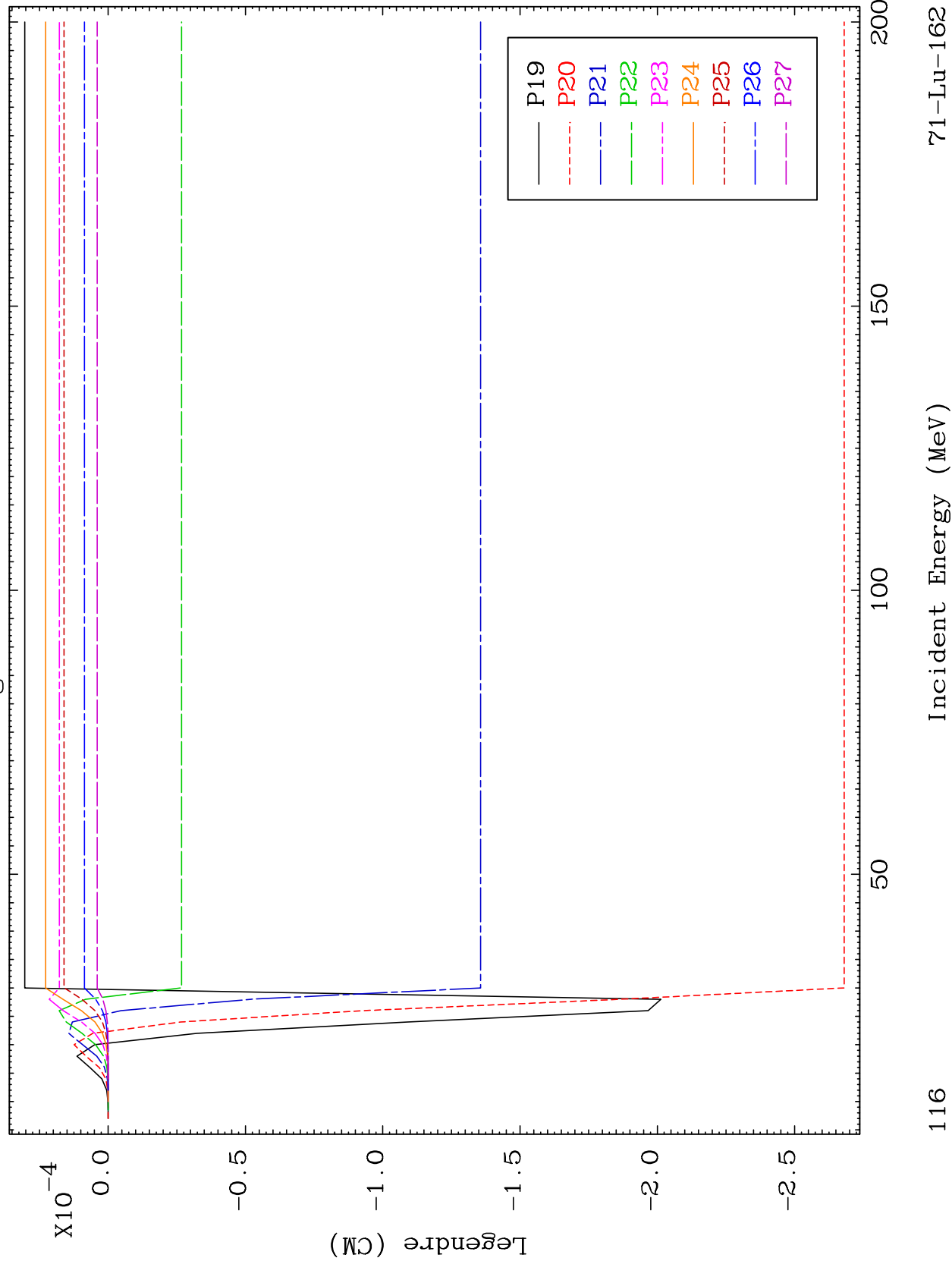
Incident Energy (MeV)

71-Lu-162

MAT 7086

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

71-Lu-162



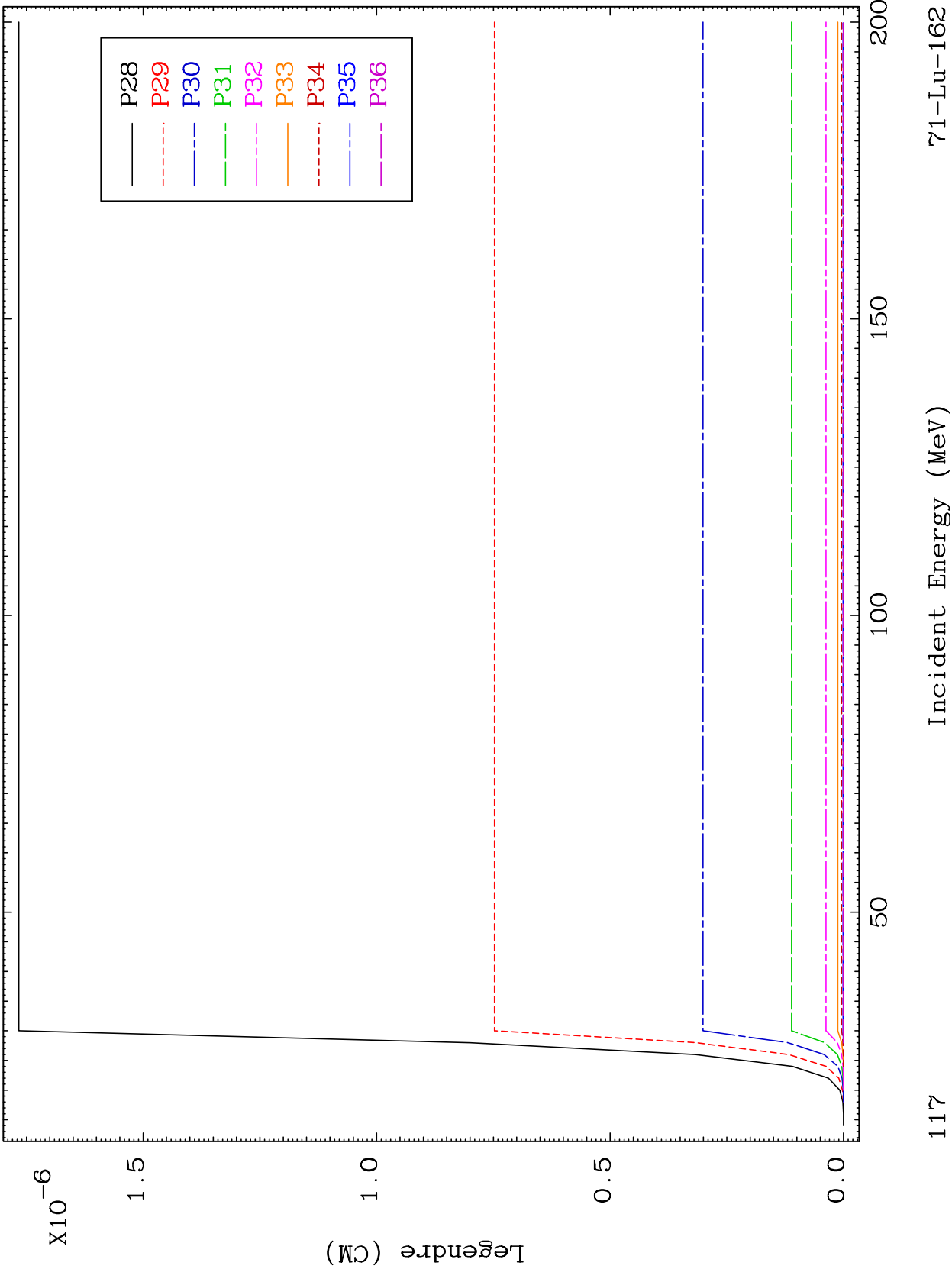
116

71-Lu-162

MAT 7086

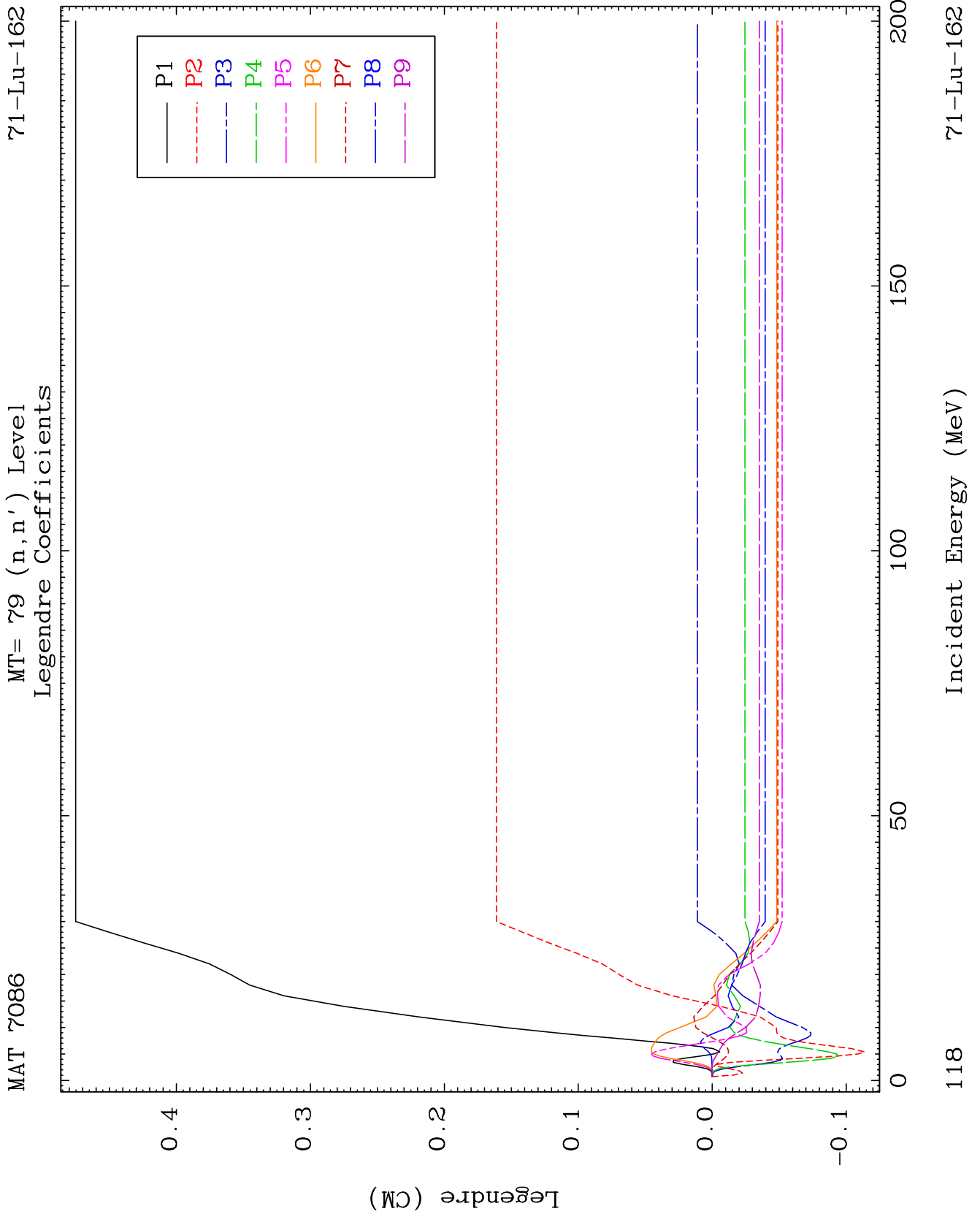
MT= 78 (n,n') Level
Legendre Coefficients

71-Lu-162



117

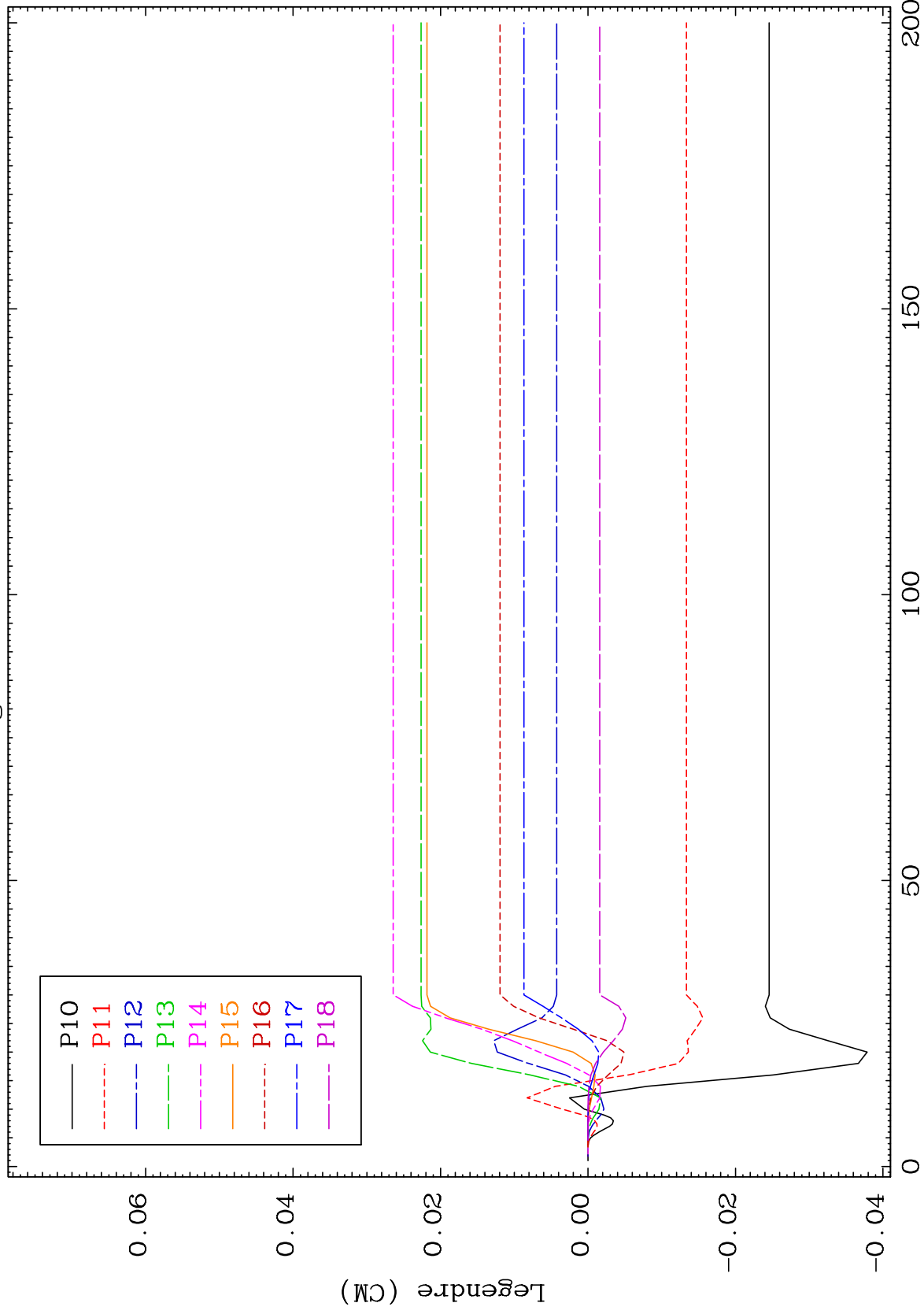
71-Lu-162



MAT 7086

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

71-Lu-162



119

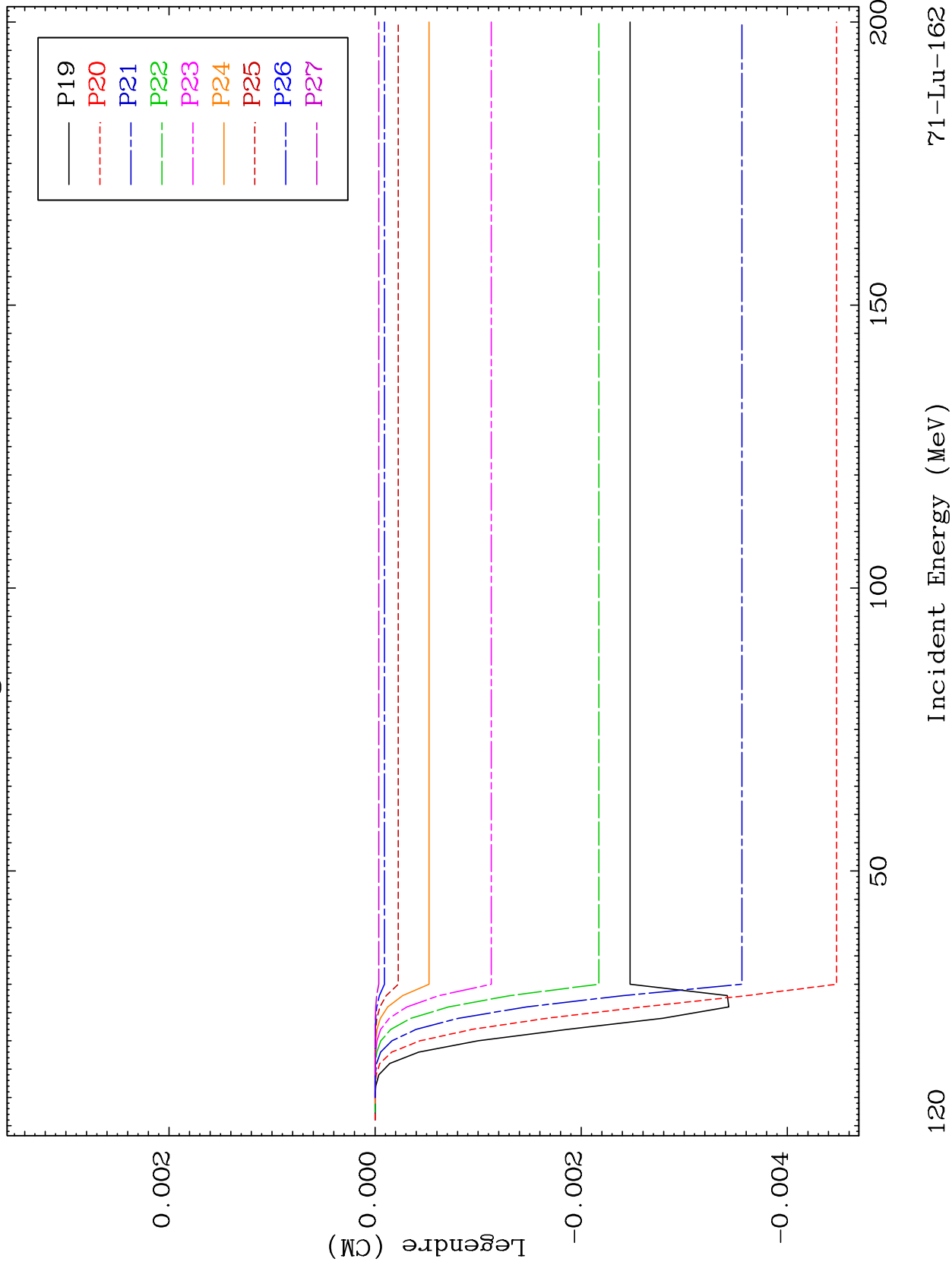
Incident Energy (MeV)

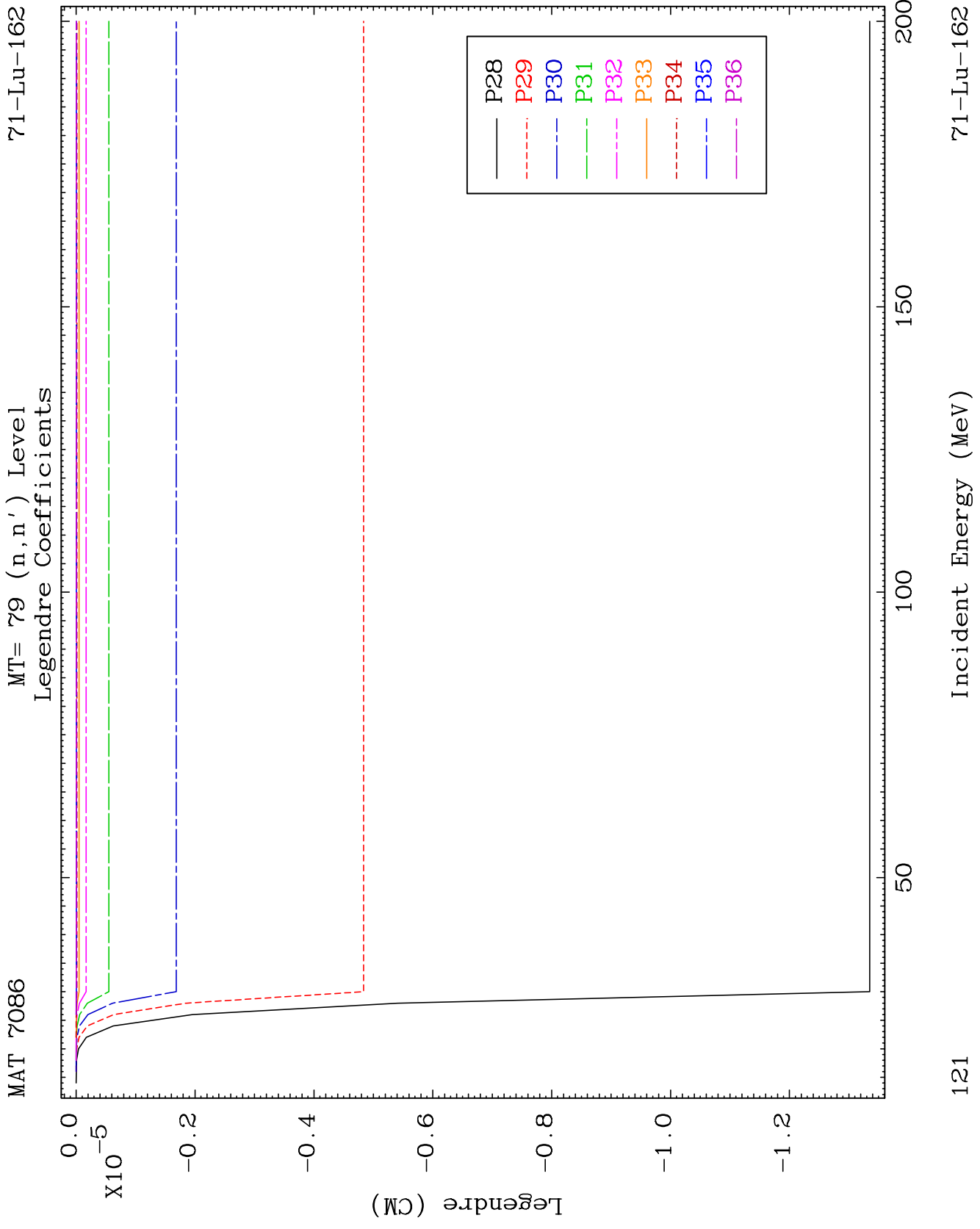
71-Lu-162

MAT 7086

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

71-Lu-162

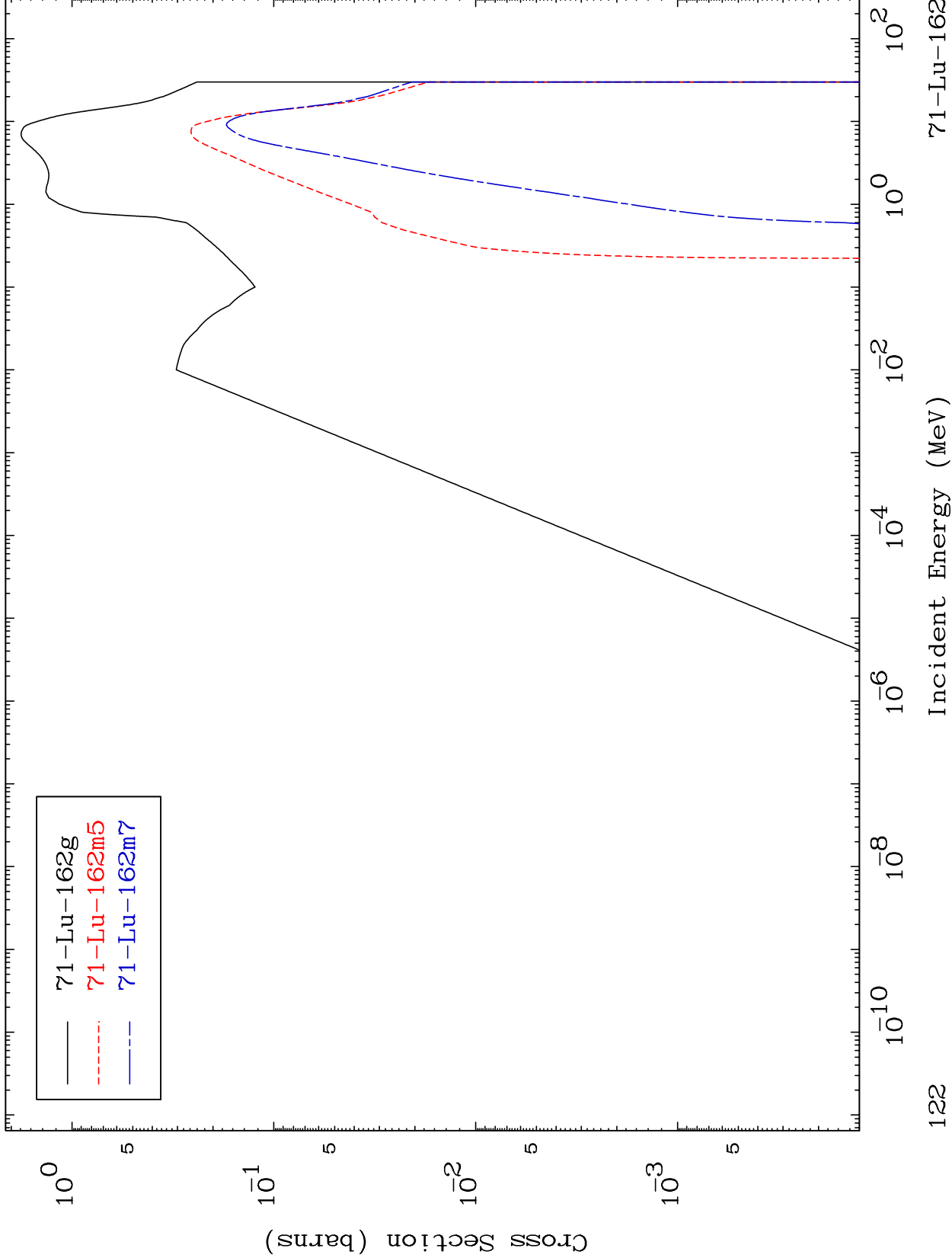




MAT 7086

Inelastic
Radionuclide Production Cross Section

71-Lu-162

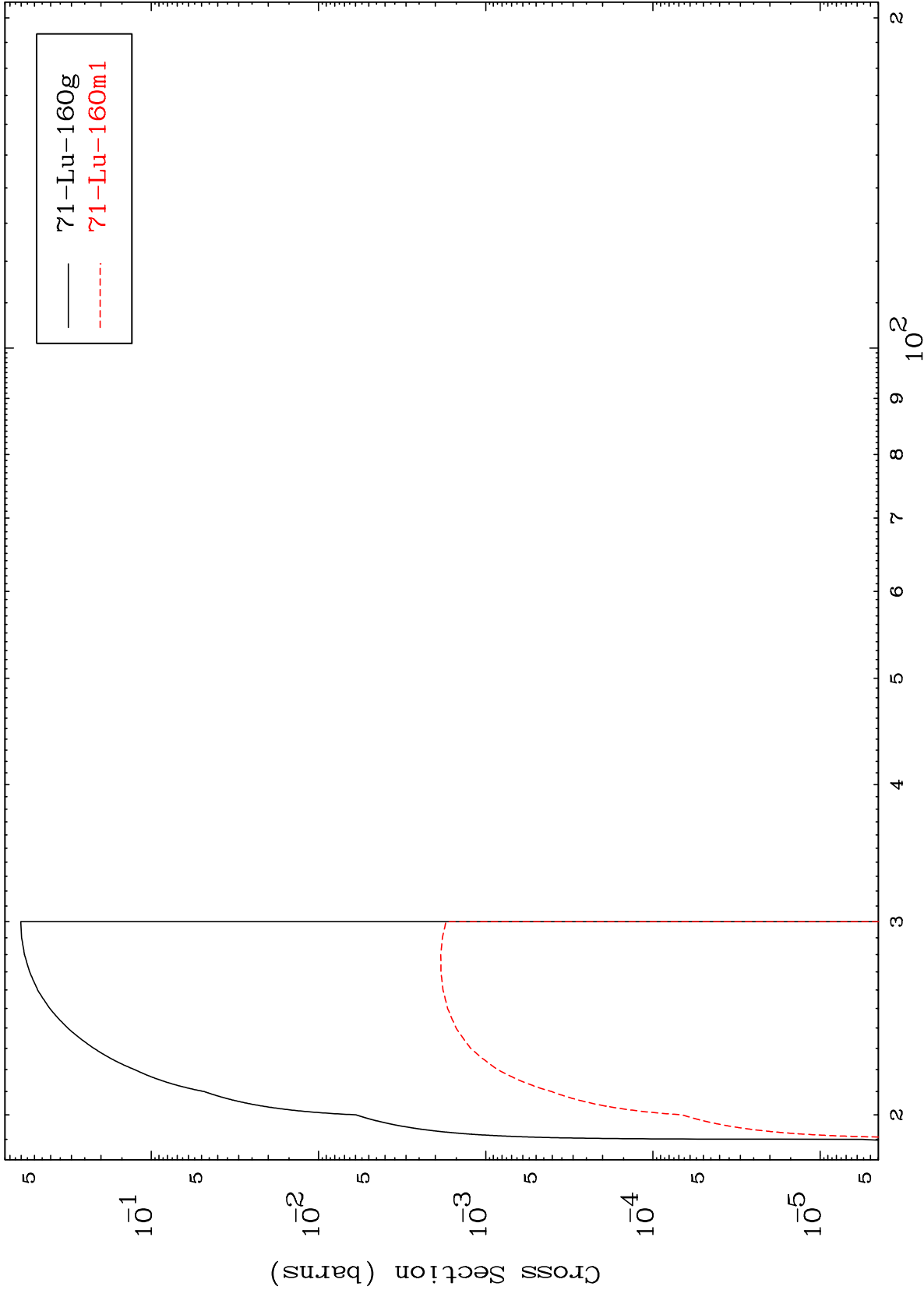


MAT 7086

(n,3n)

⁷¹Lu-162

Radionuclide Production Cross Section



123

Incident Energy (MeV)

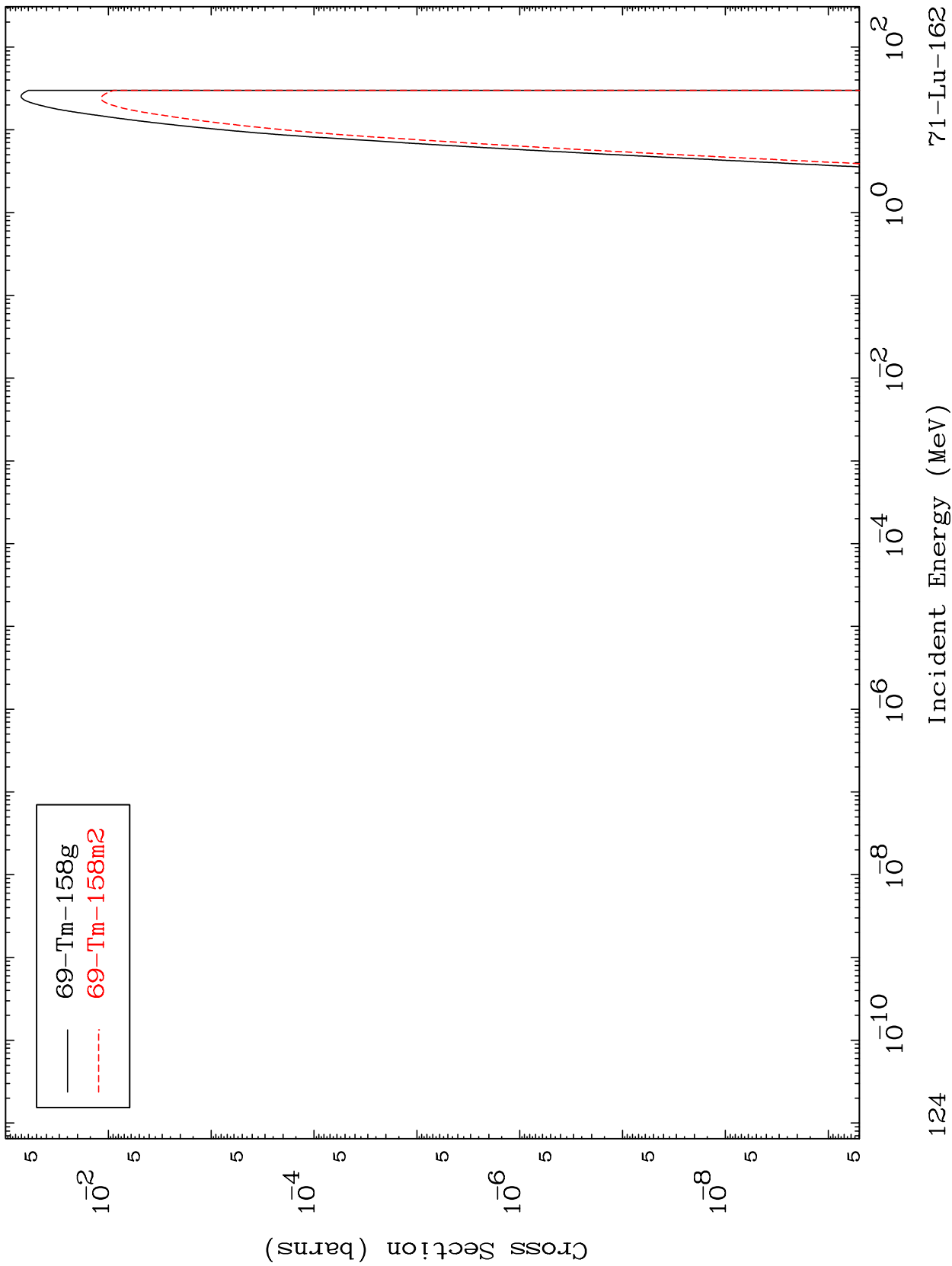
⁷¹Lu-162

MAT 7086

$(n, n') \alpha$

$^{71}\text{Lu-162}$

Radionuclide Production Cross Section



124

Incident Energy (MeV)

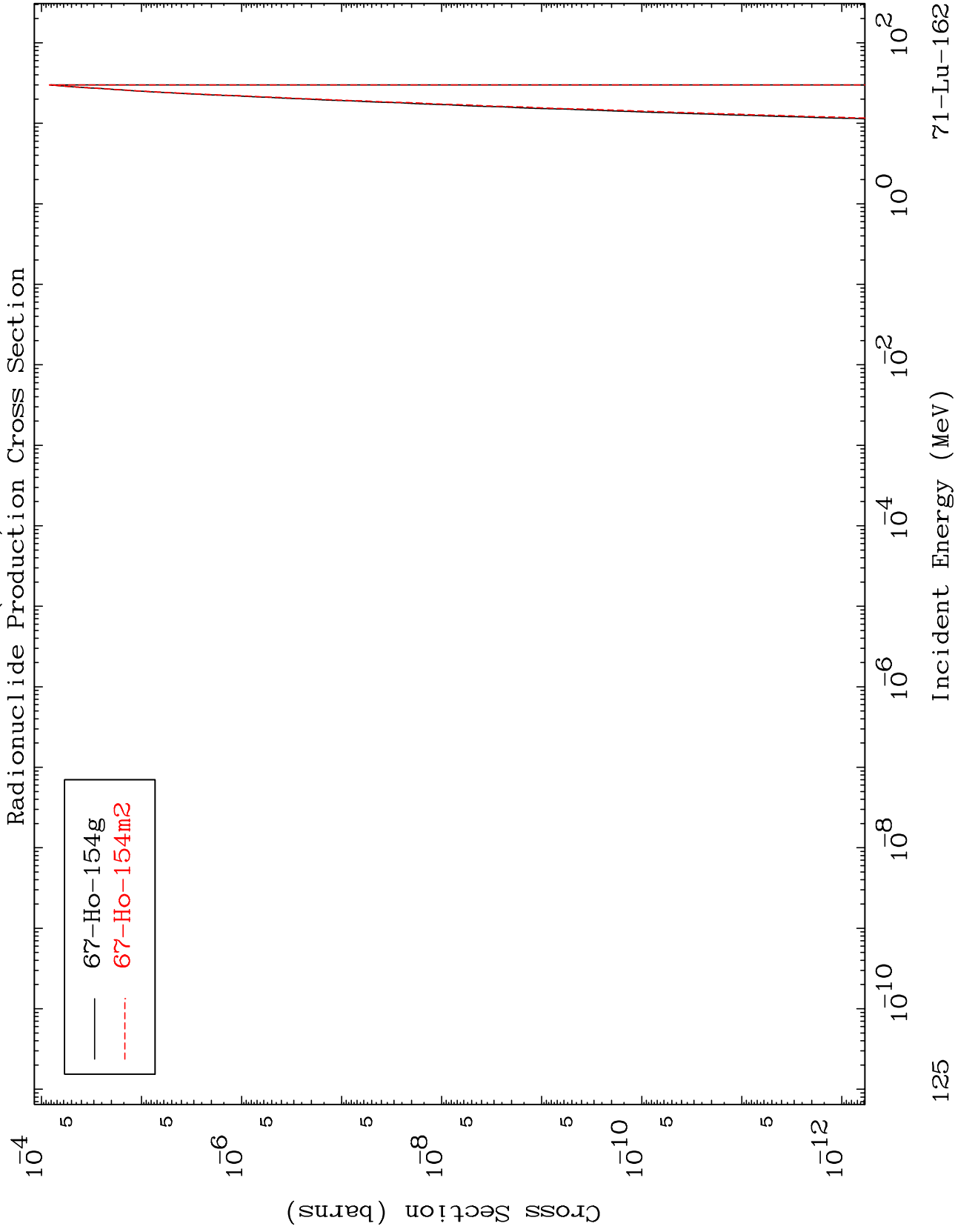
$^{71}\text{Lu-162}$

MAT 7086

(n,n') 2α

71-Lu-162

Radionuclide Production Cross Section



125

Incident Energy (MeV)

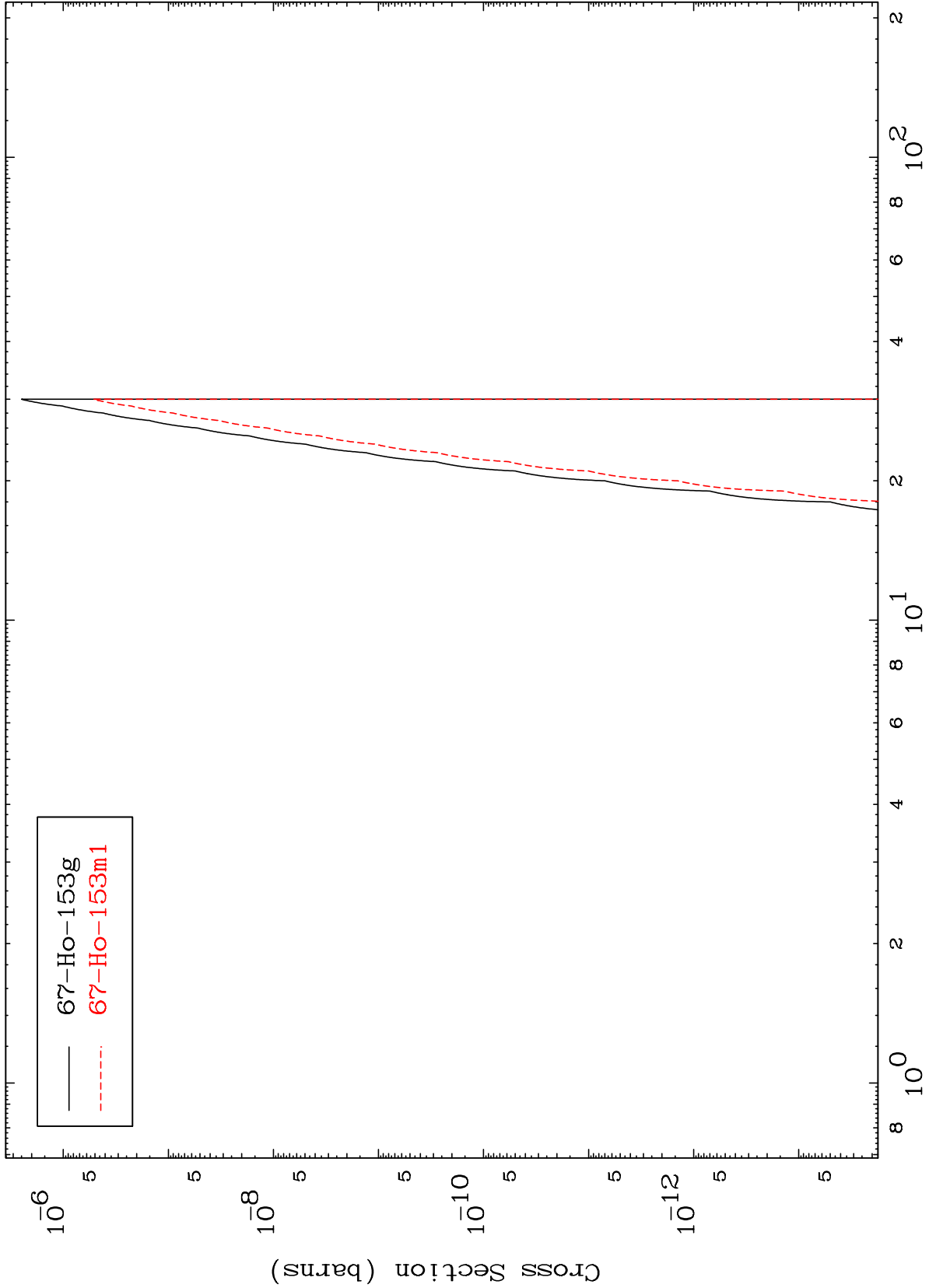
71-Lu-162

MAT 7086

(n,2n) 2α

71-Lu-162

Radionuclide Production Cross Section



— 67-Ho-153g
- - - 67-Ho-153m1

126

Incident Energy (MeV)

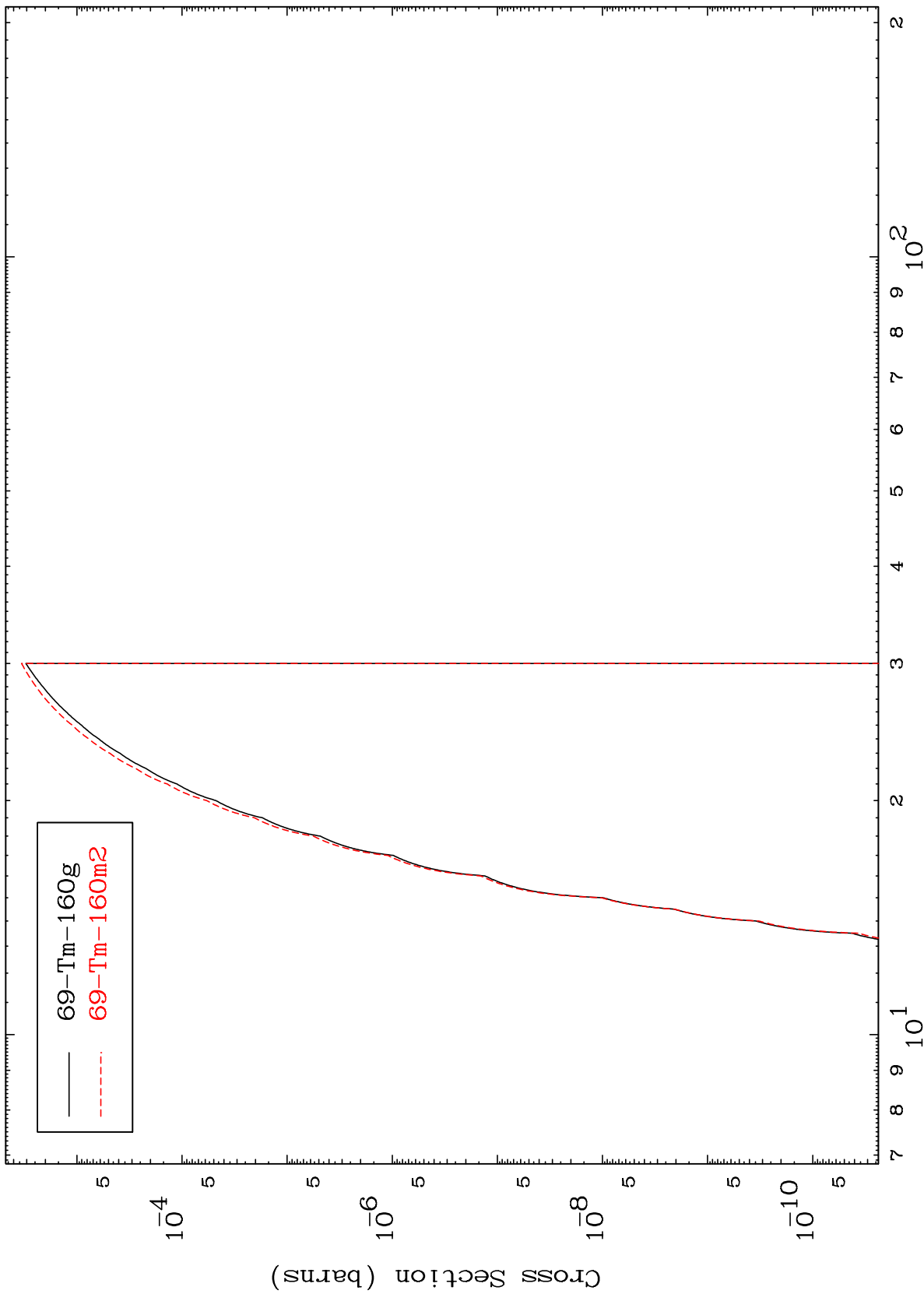
71-Lu-162

MAT 7086

(n,2n) p

71-Lu-162

Radionuclide Production Cross Section



127

Incident Energy (MeV)

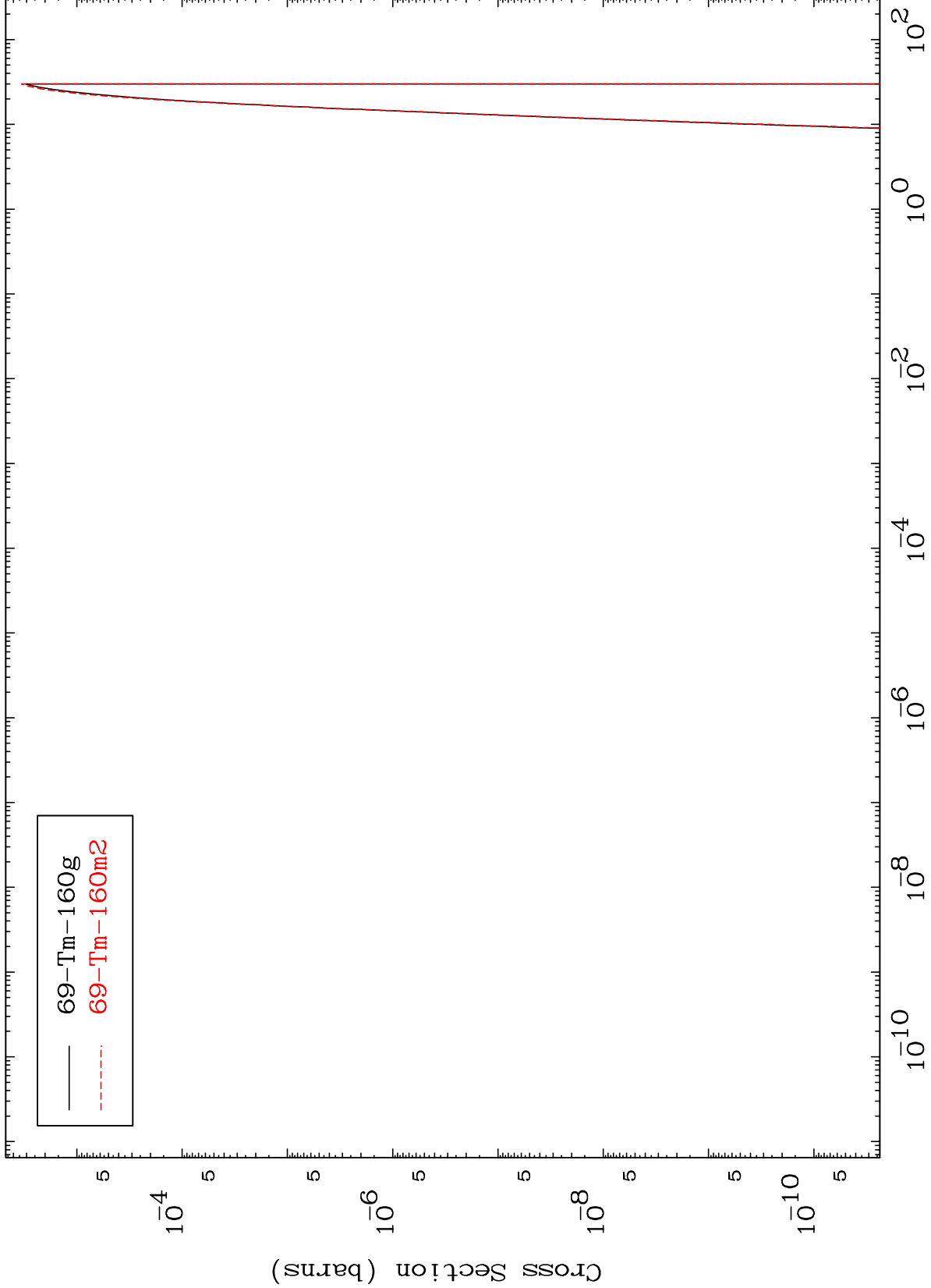
71-Lu-162

MAT 7086

(n,He-3)

71-Lu-162

Radionuclide Production Cross Section

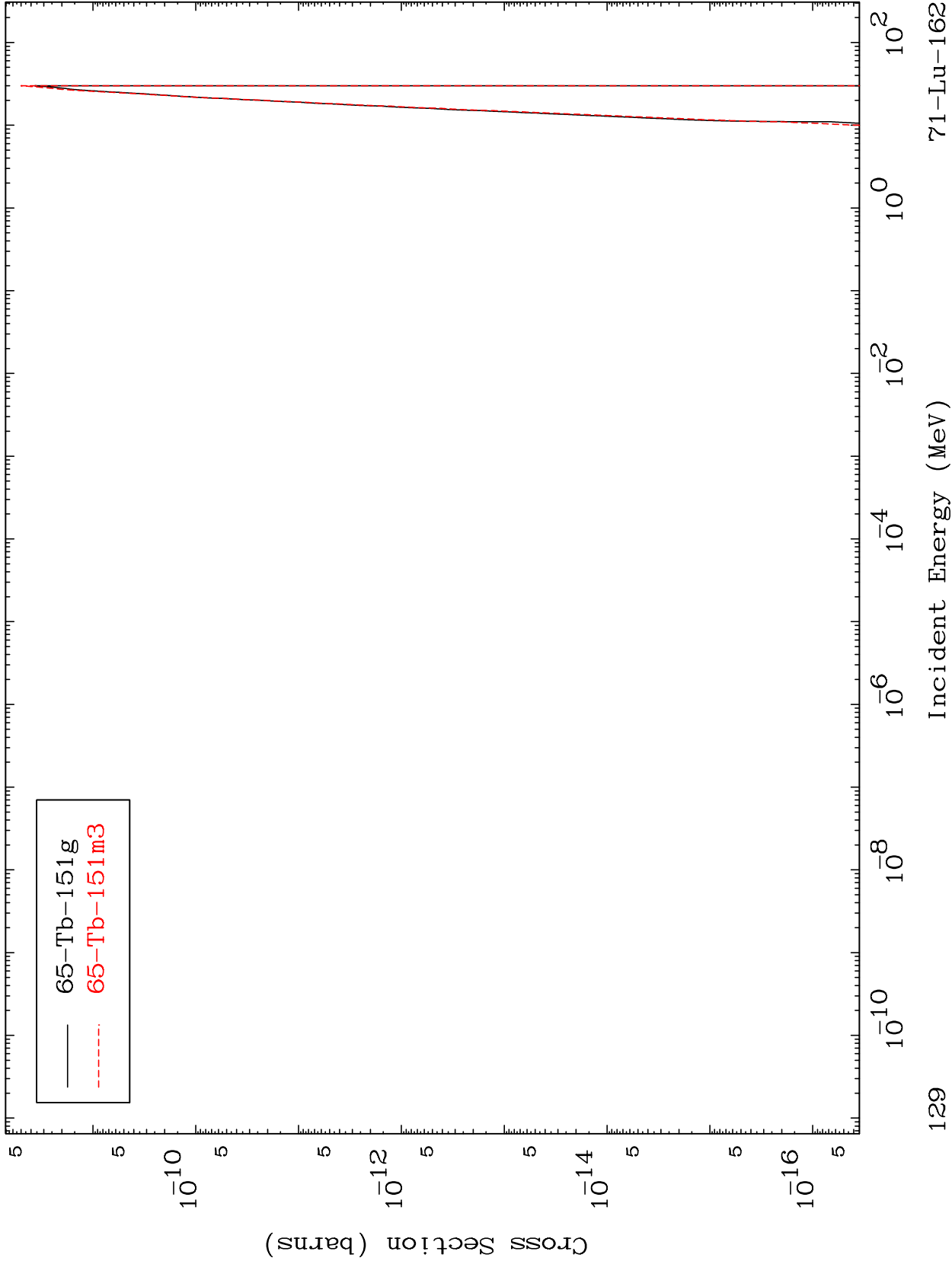


MAT 7086

(n, 3α)

⁷¹Lu-162

Radionuclide Production Cross Section

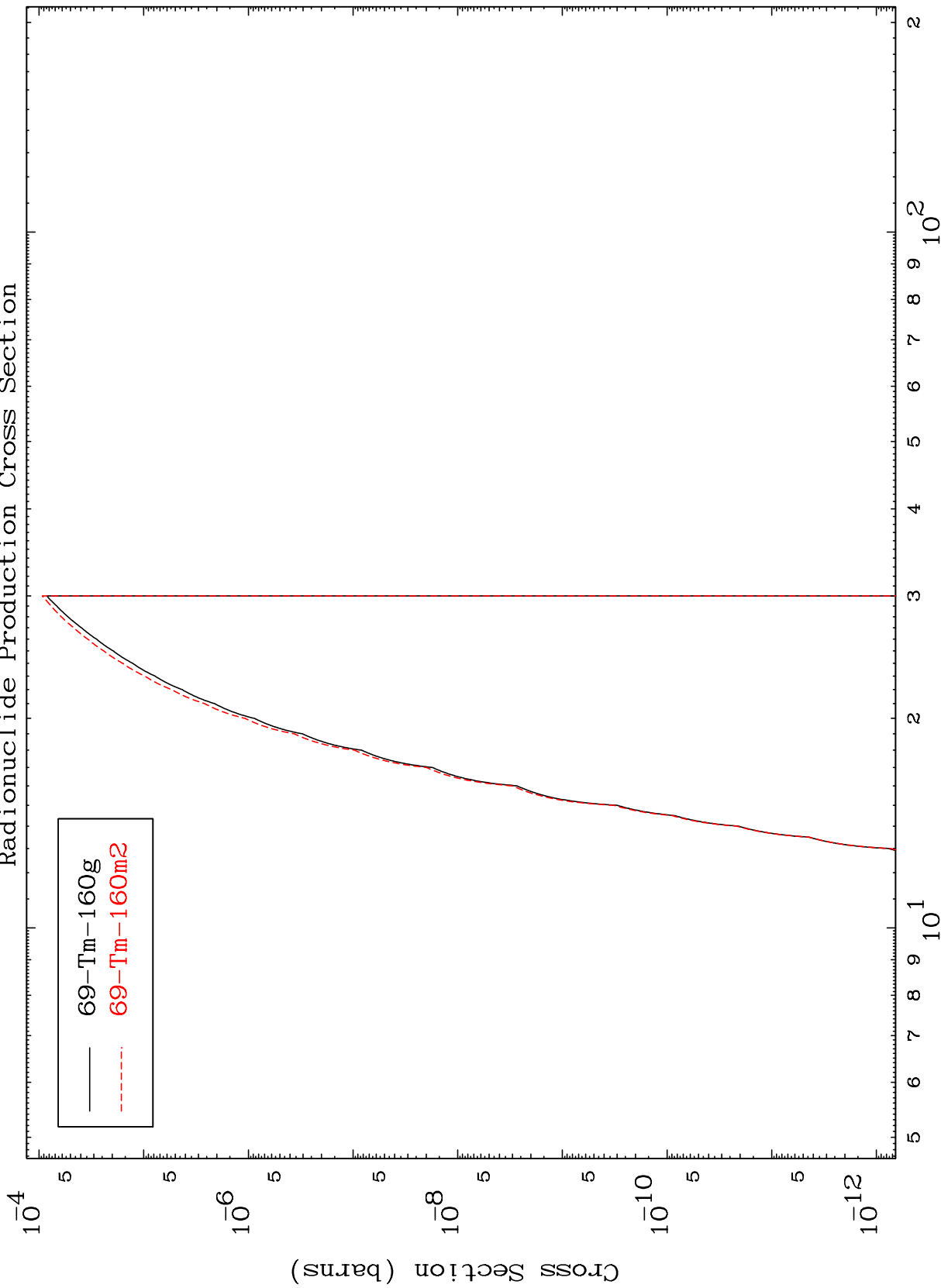


MAT 7086

(n,p) d

71-Lu-162

Radionuclide Production Cross Section



130

Incident Energy (MeV)

71-Lu-162