

Program EVALPLOT
(Version 2021-1)

by

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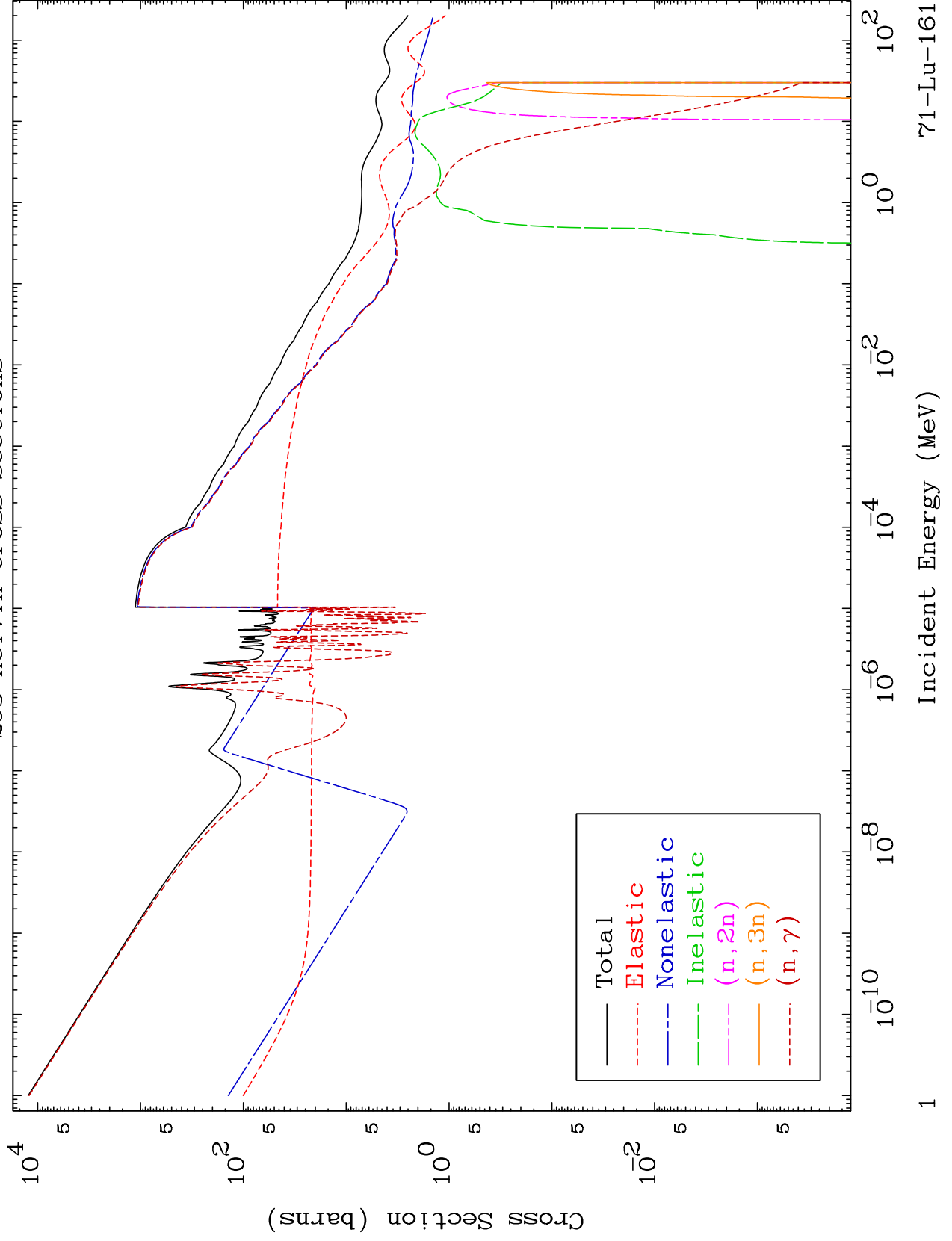
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7083

Neutron Major
293 Kelvin Cross Sections

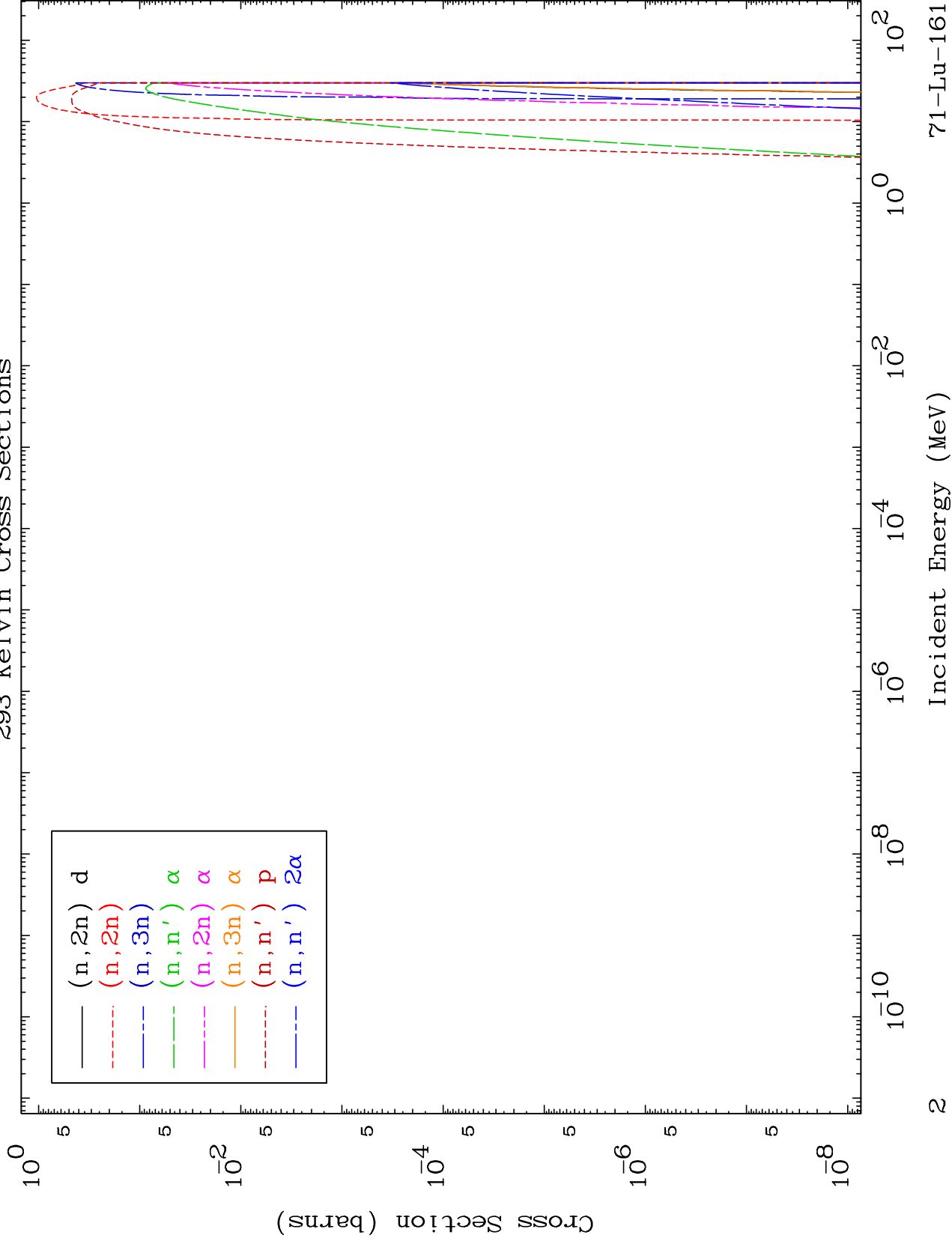
71-Lu-161



MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

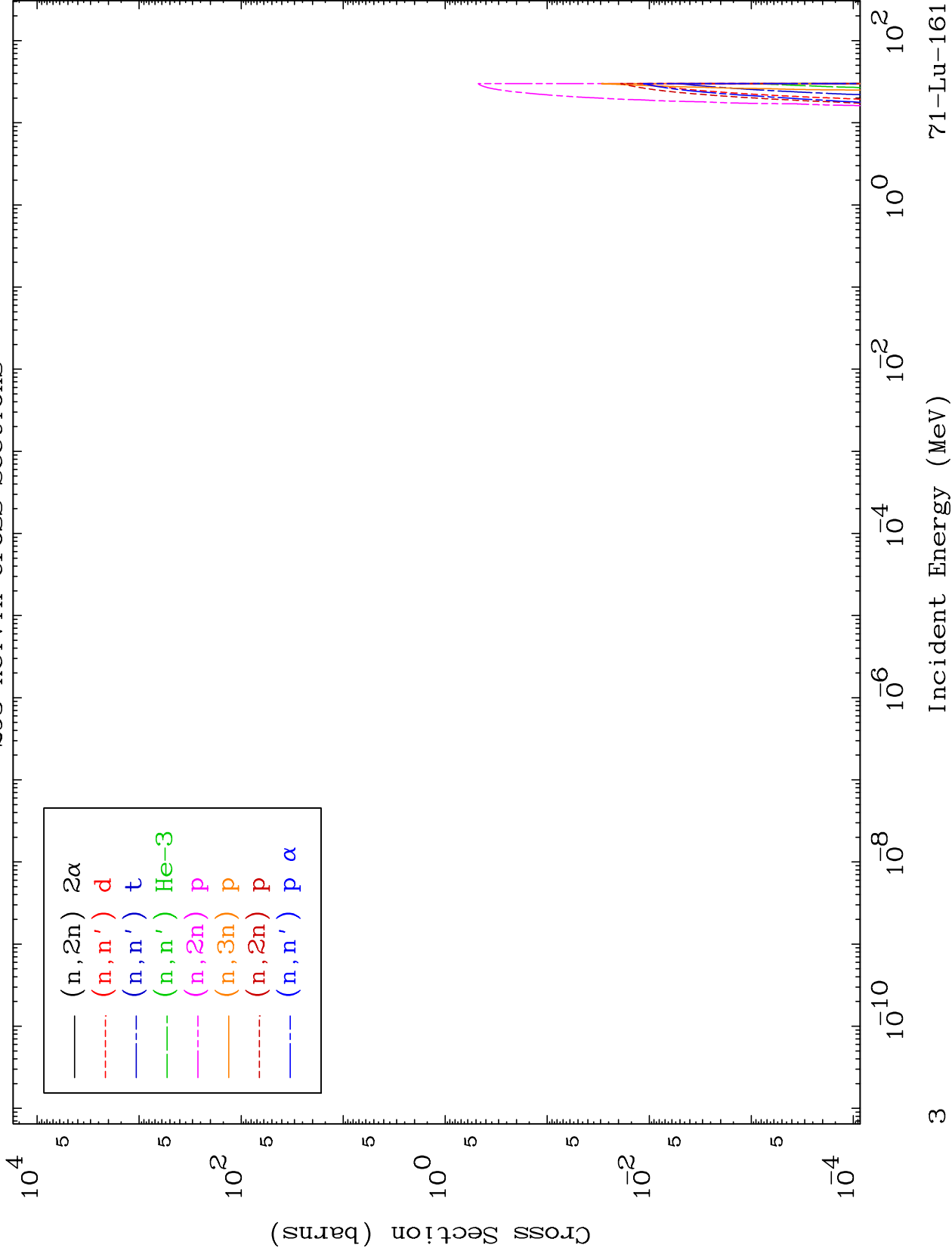
71-Lu-161



MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

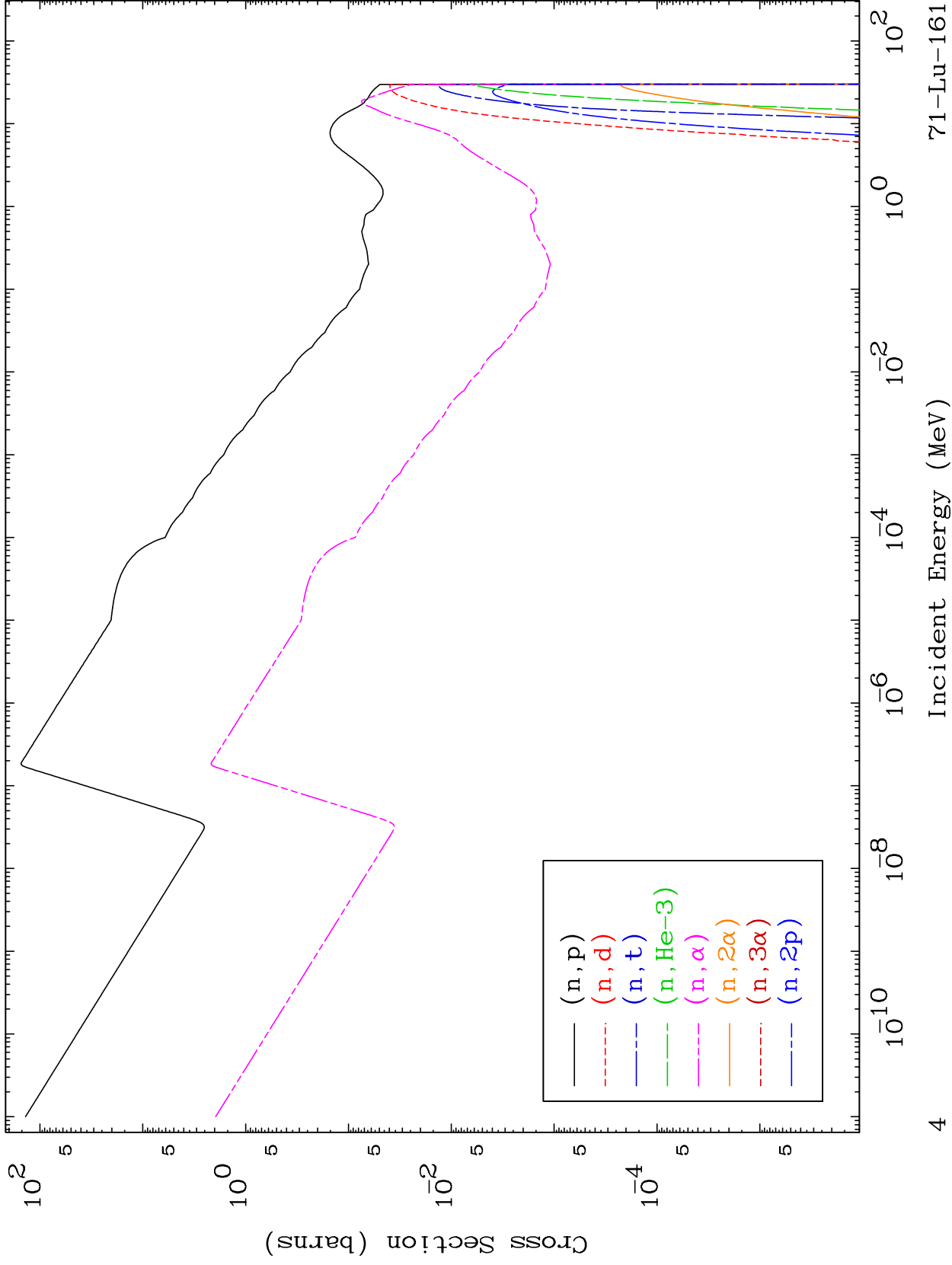
71-Lu-161

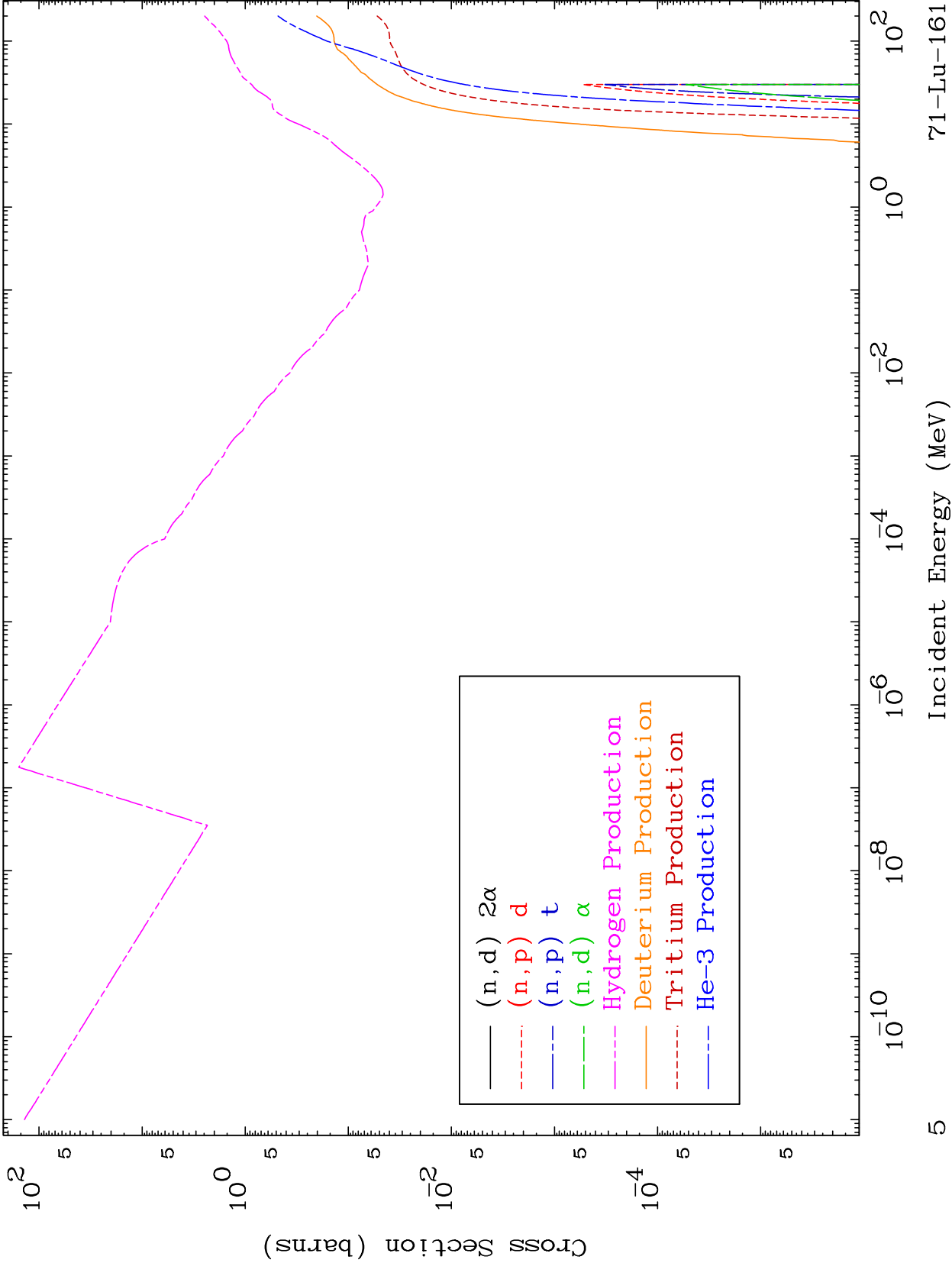


MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-161

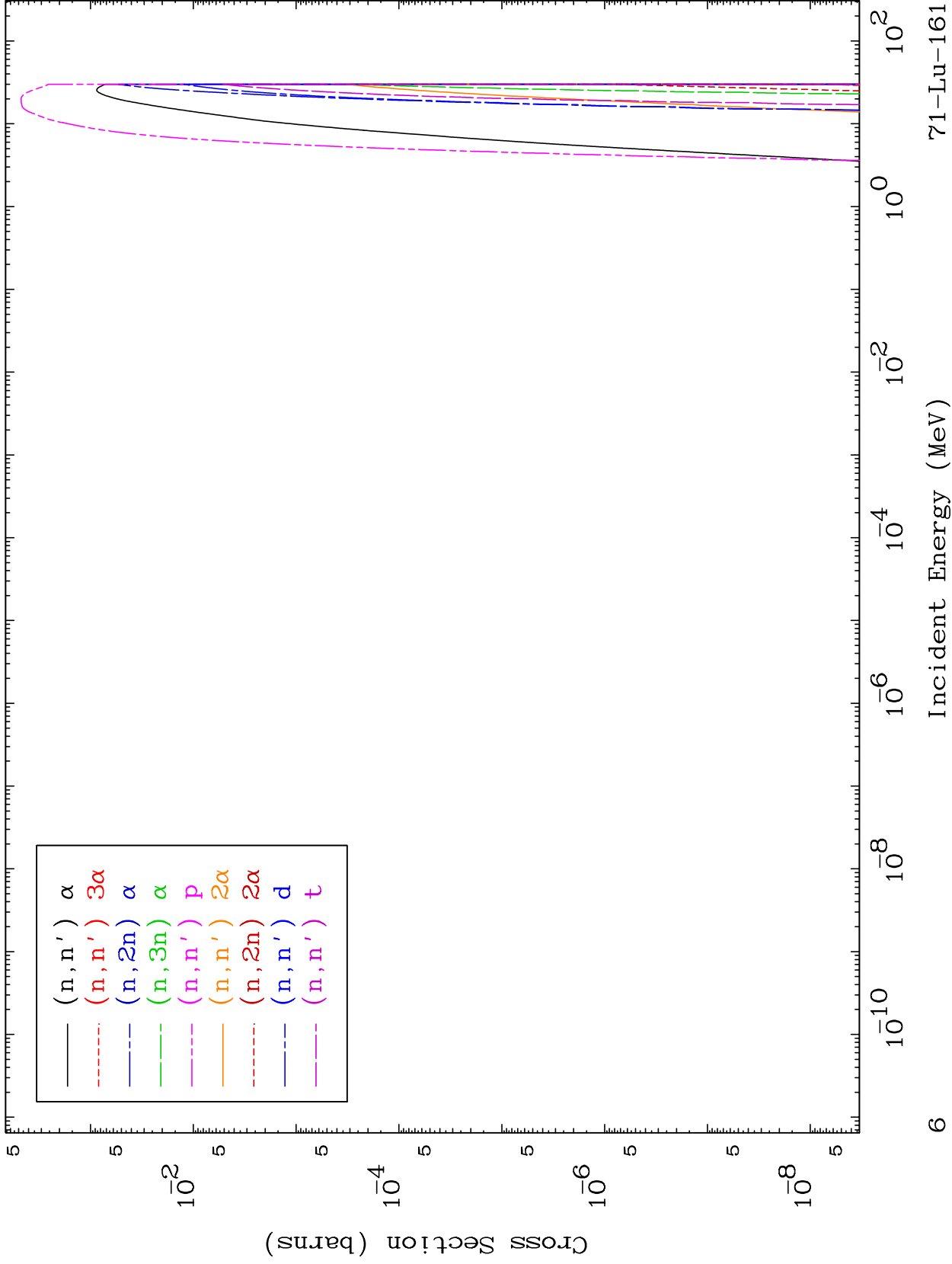


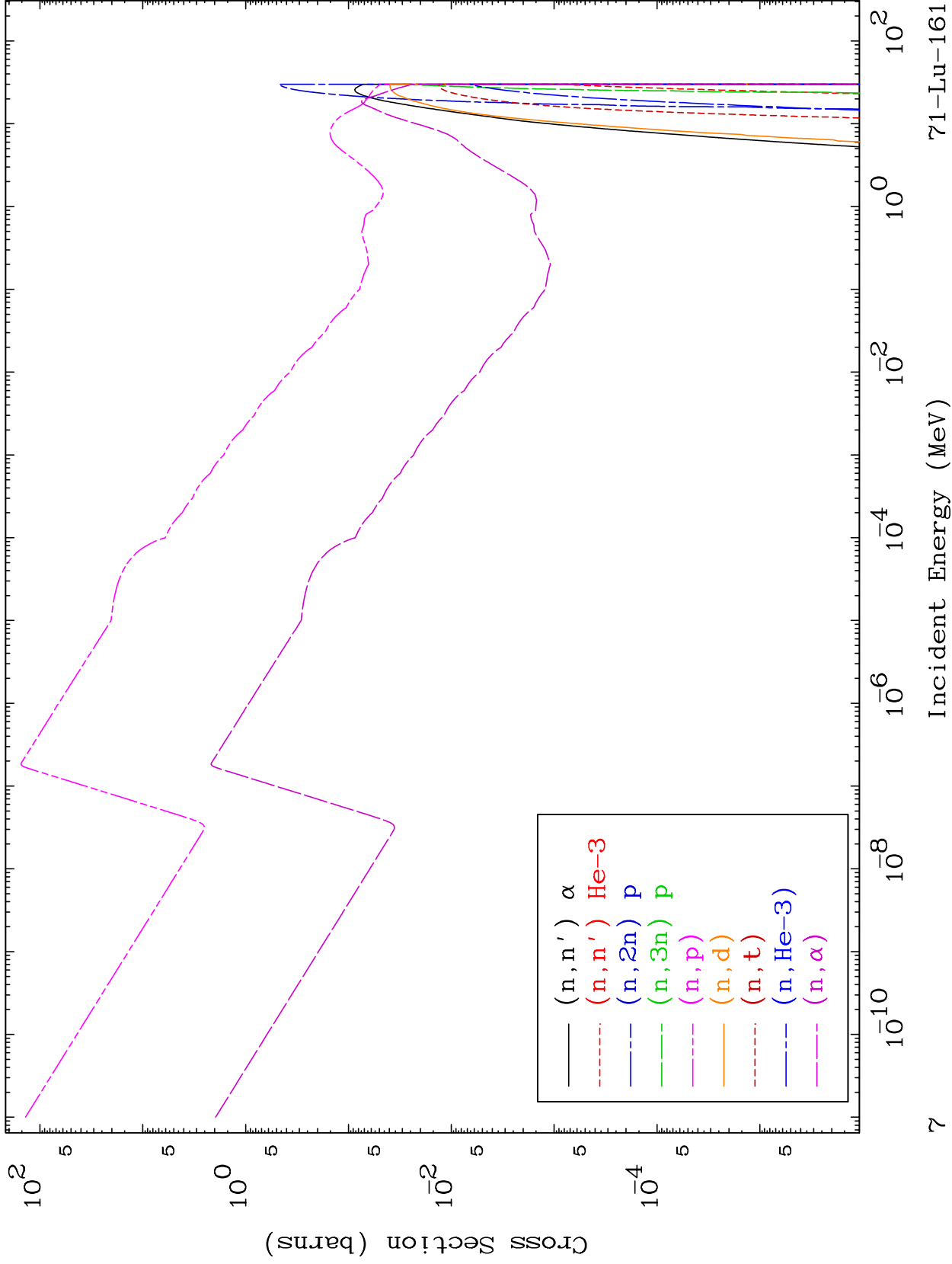


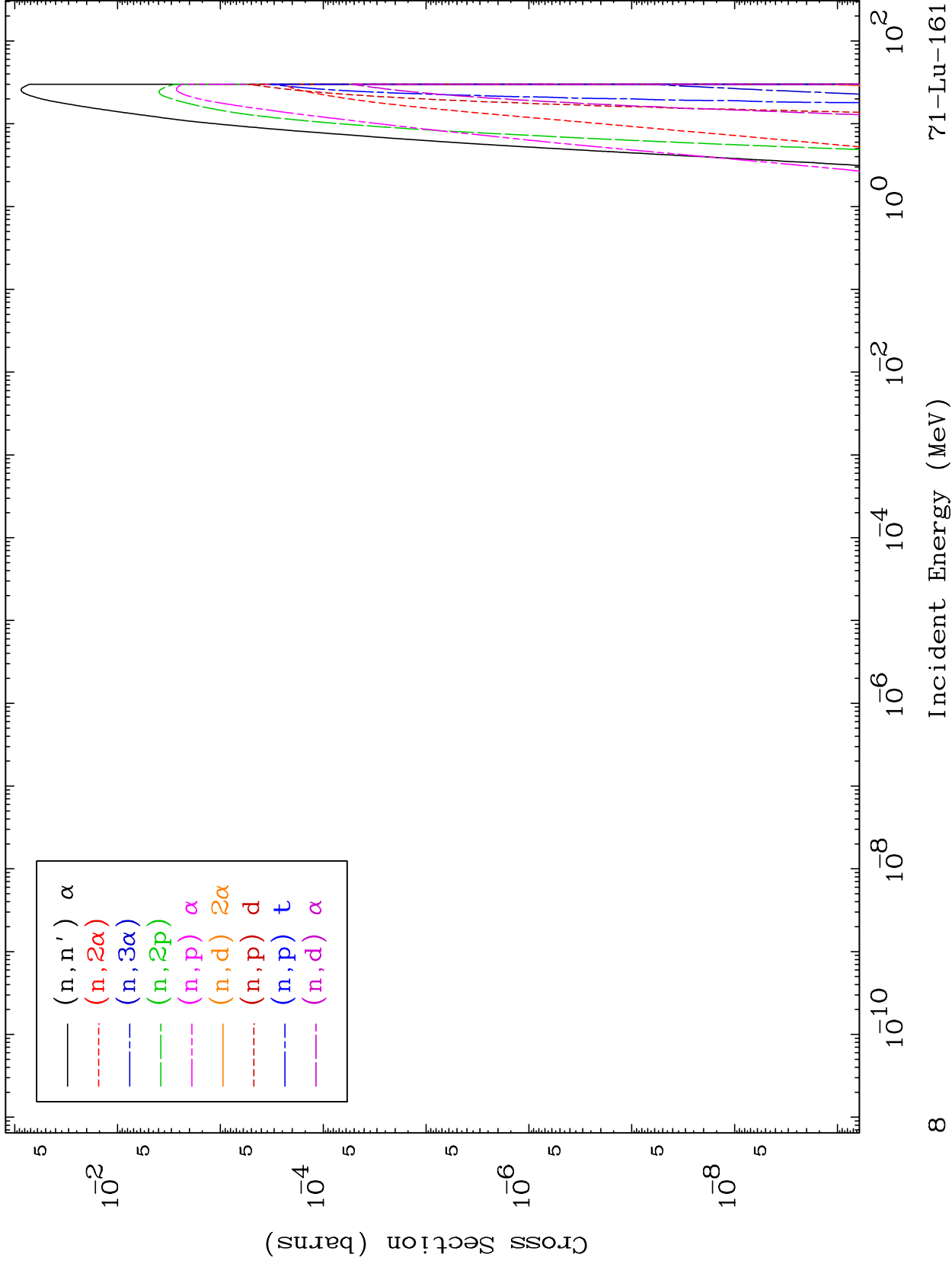
MAT 7083

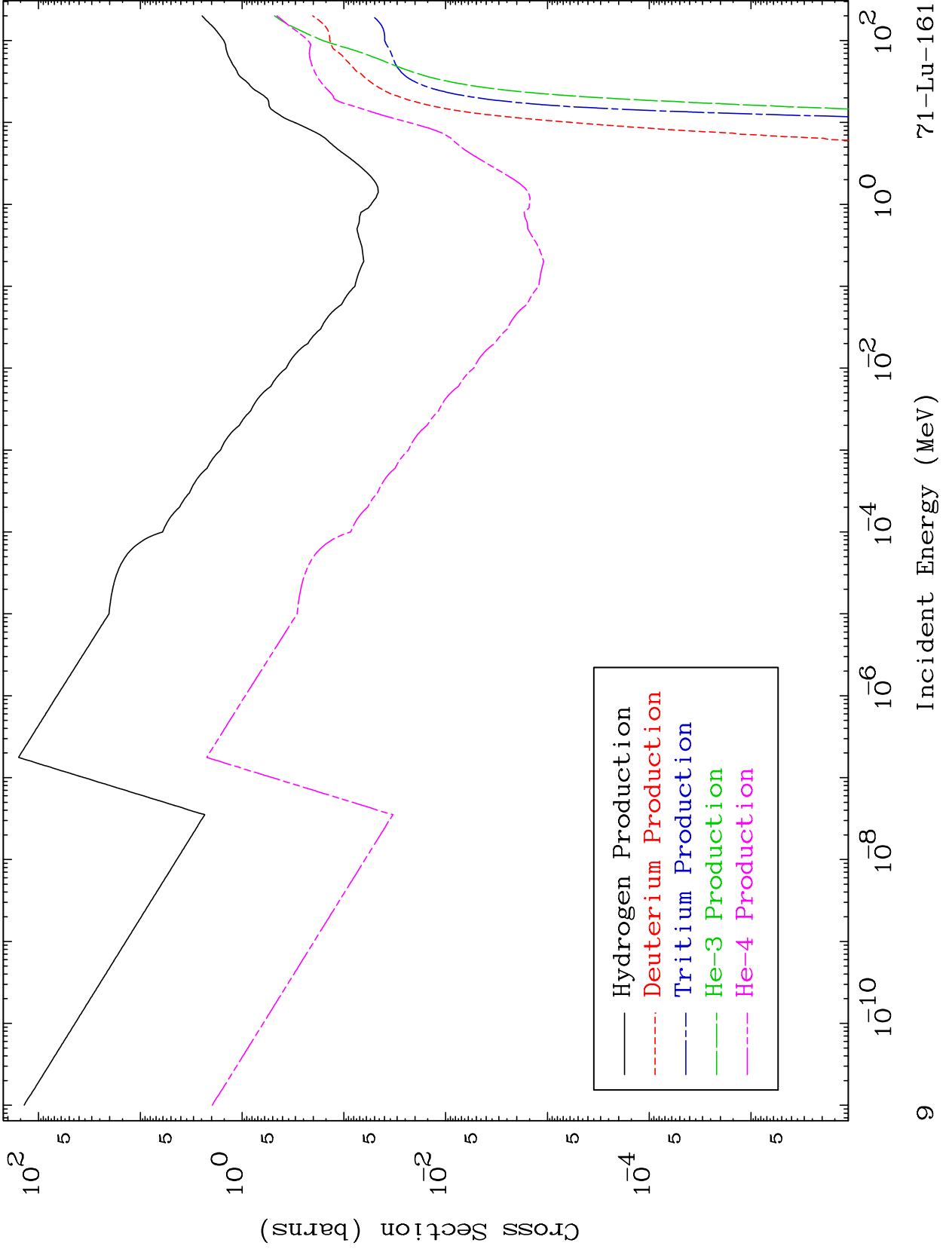
Charged Particle
293 Kelvin Cross Sections

71-Lu-161







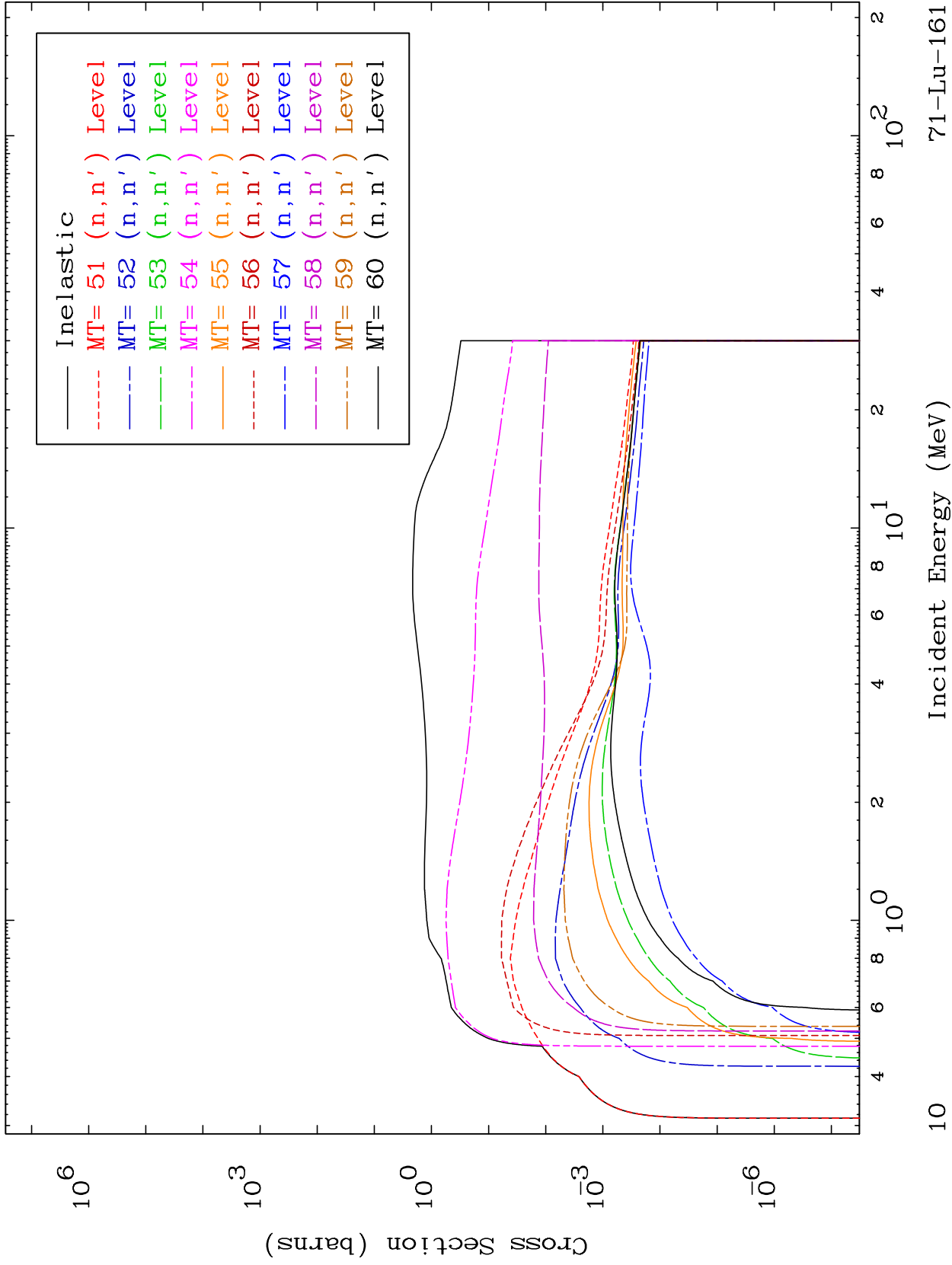


MAT 7083

(n,n') Levels

71-Lu-161

293 Kelvin Cross Sections

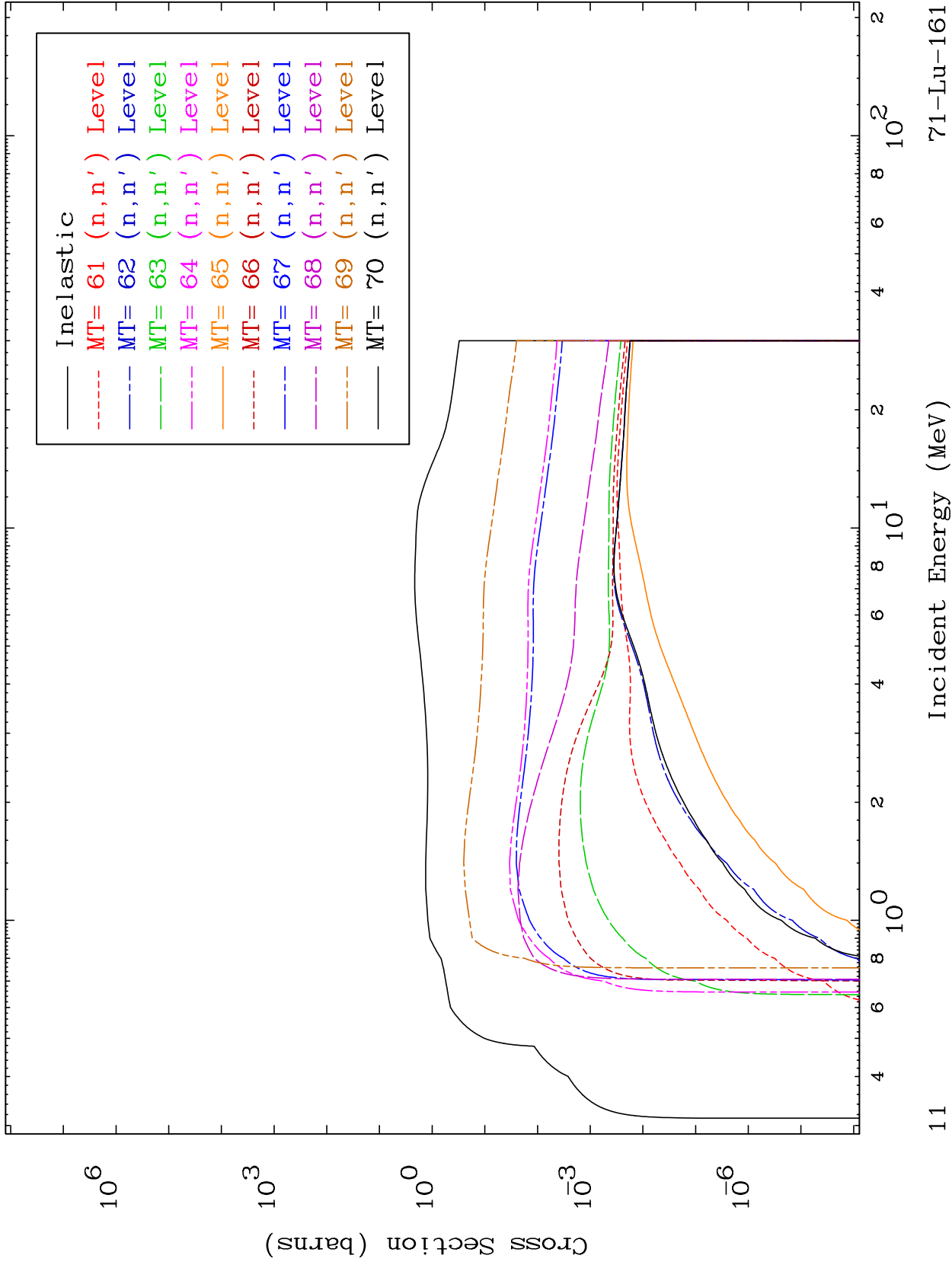


10

Incident Energy (MeV)

71-Lu-161

293 Kelvin Cross Sections

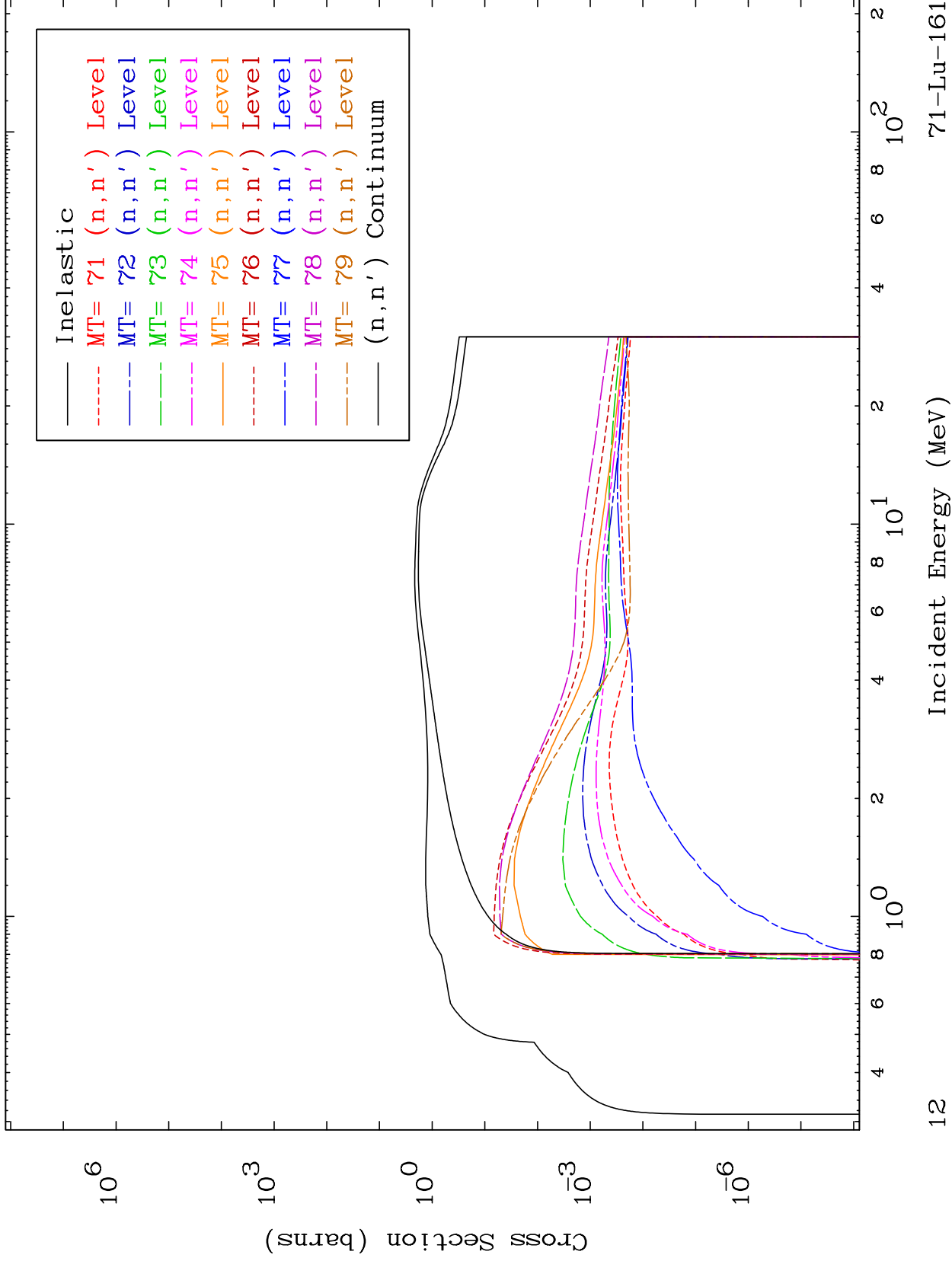


MAT 7083

(n,n') Levels

71-Lu-161

293 Kelvin Cross Sections



12

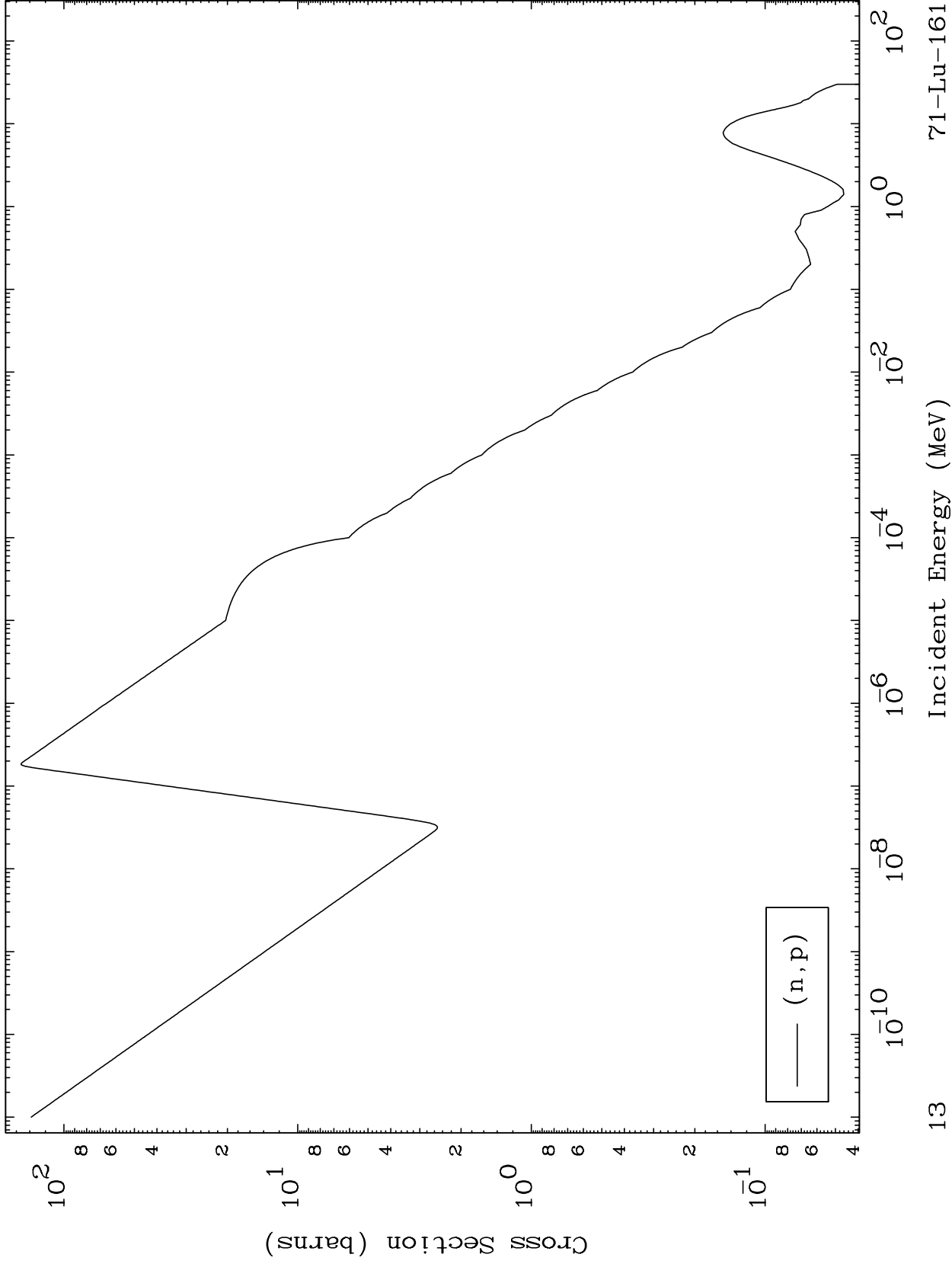
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,p) Levels
293 Kelvin Cross Sections

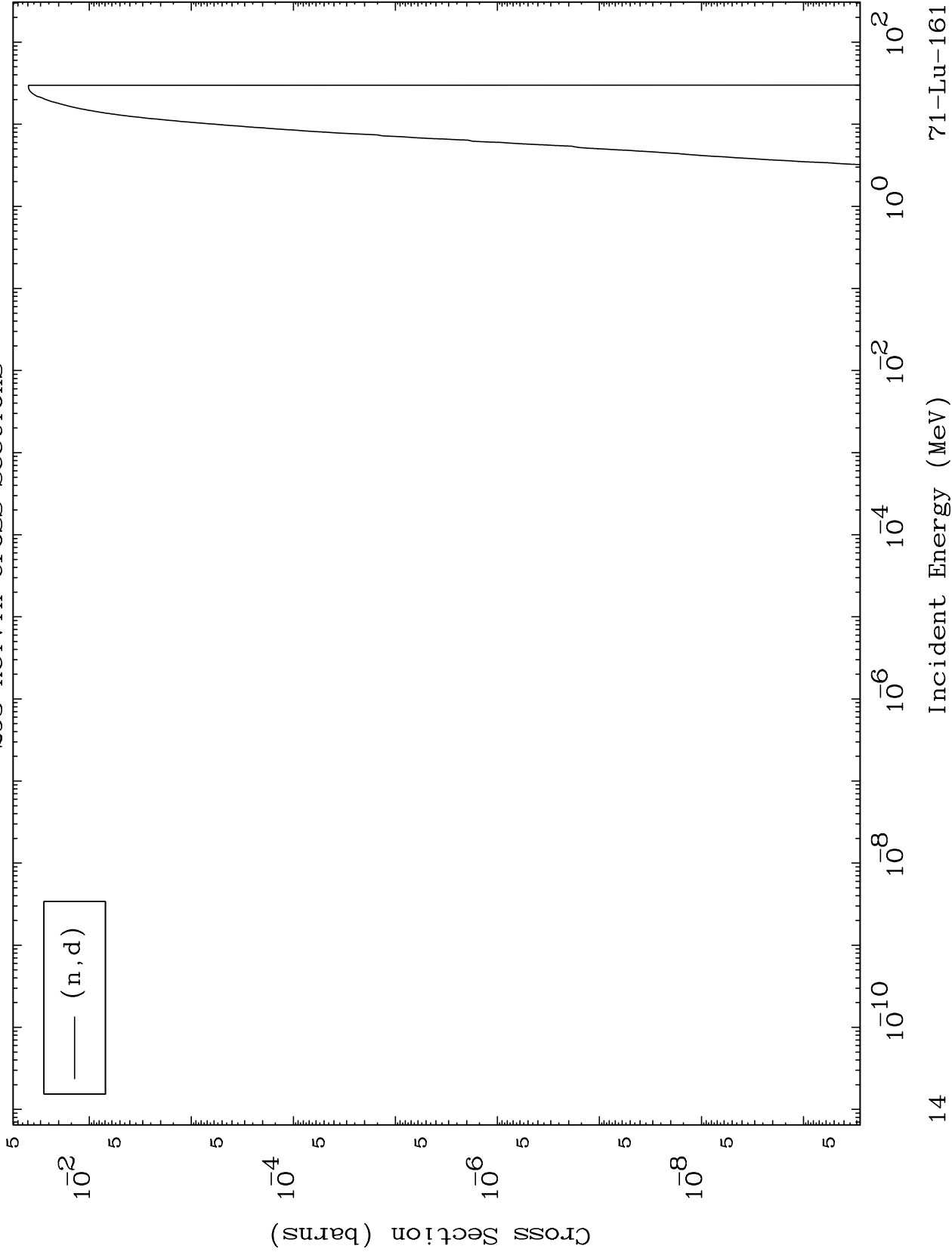
71-Lu-161



MAT 7083

(n,d) Levels
293 Kelvin Cross Sections

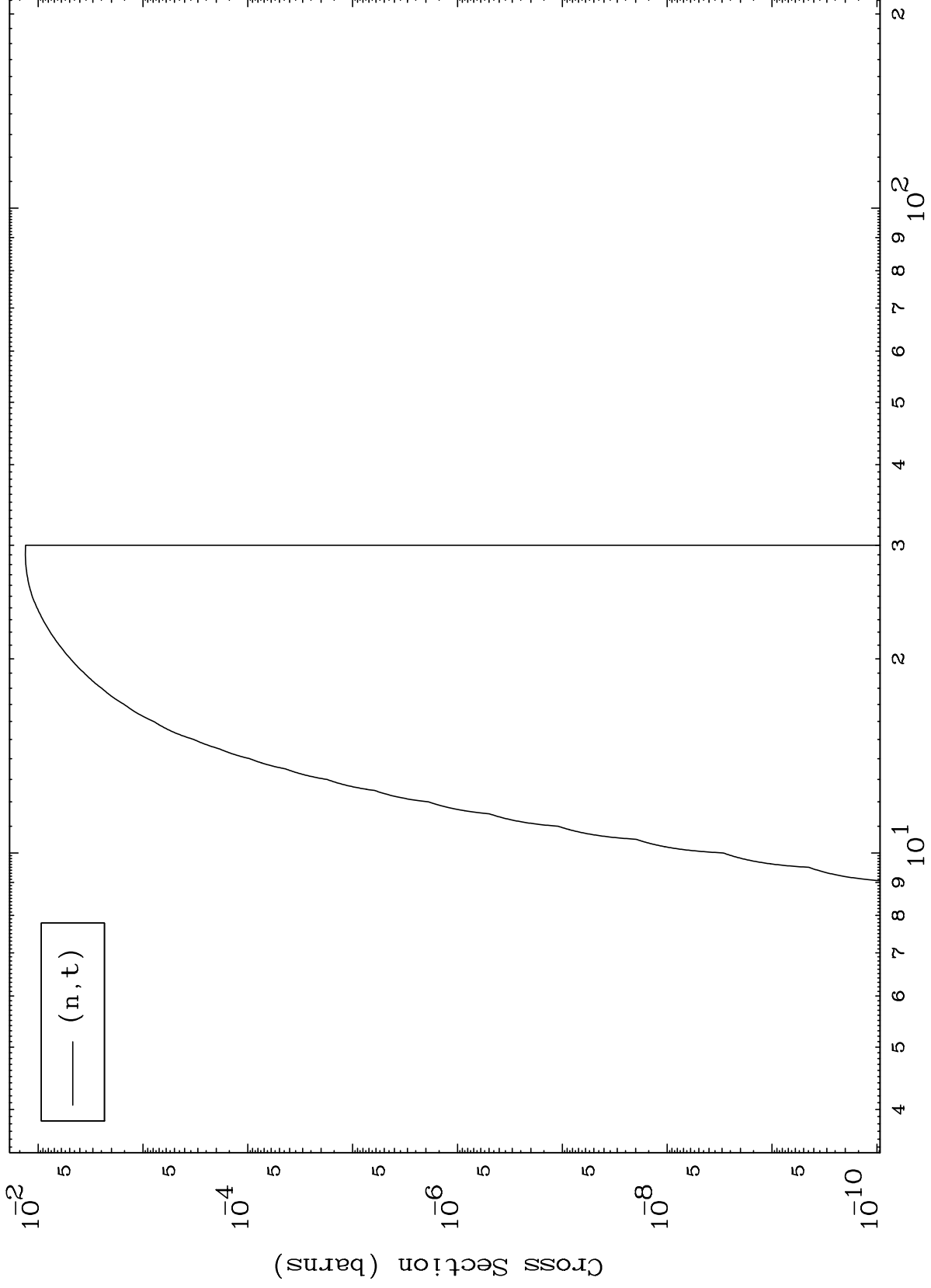
71-Lu-161



MAT 7083

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-161



15

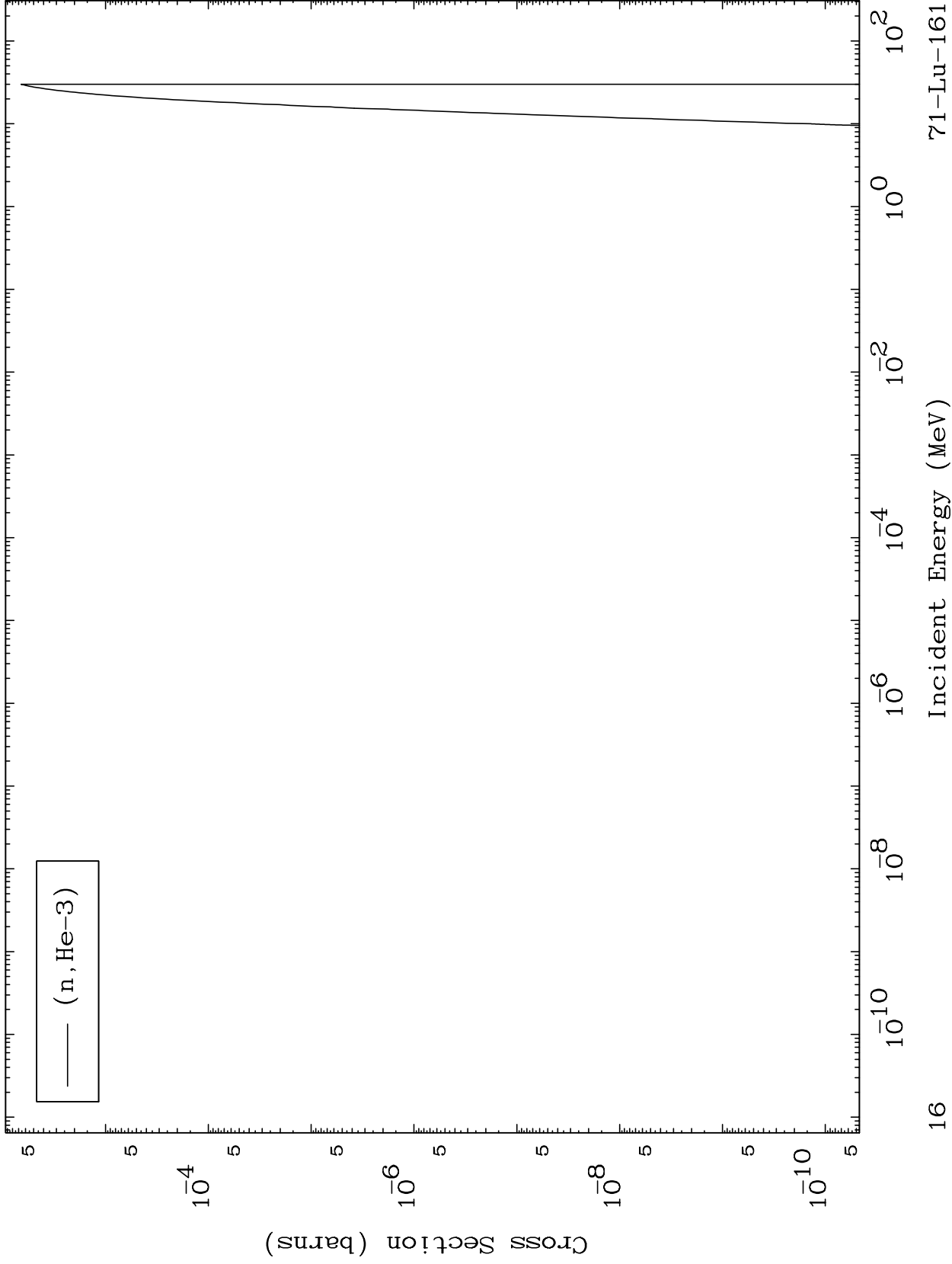
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,He3) Levels
293 Kelvin Cross Sections

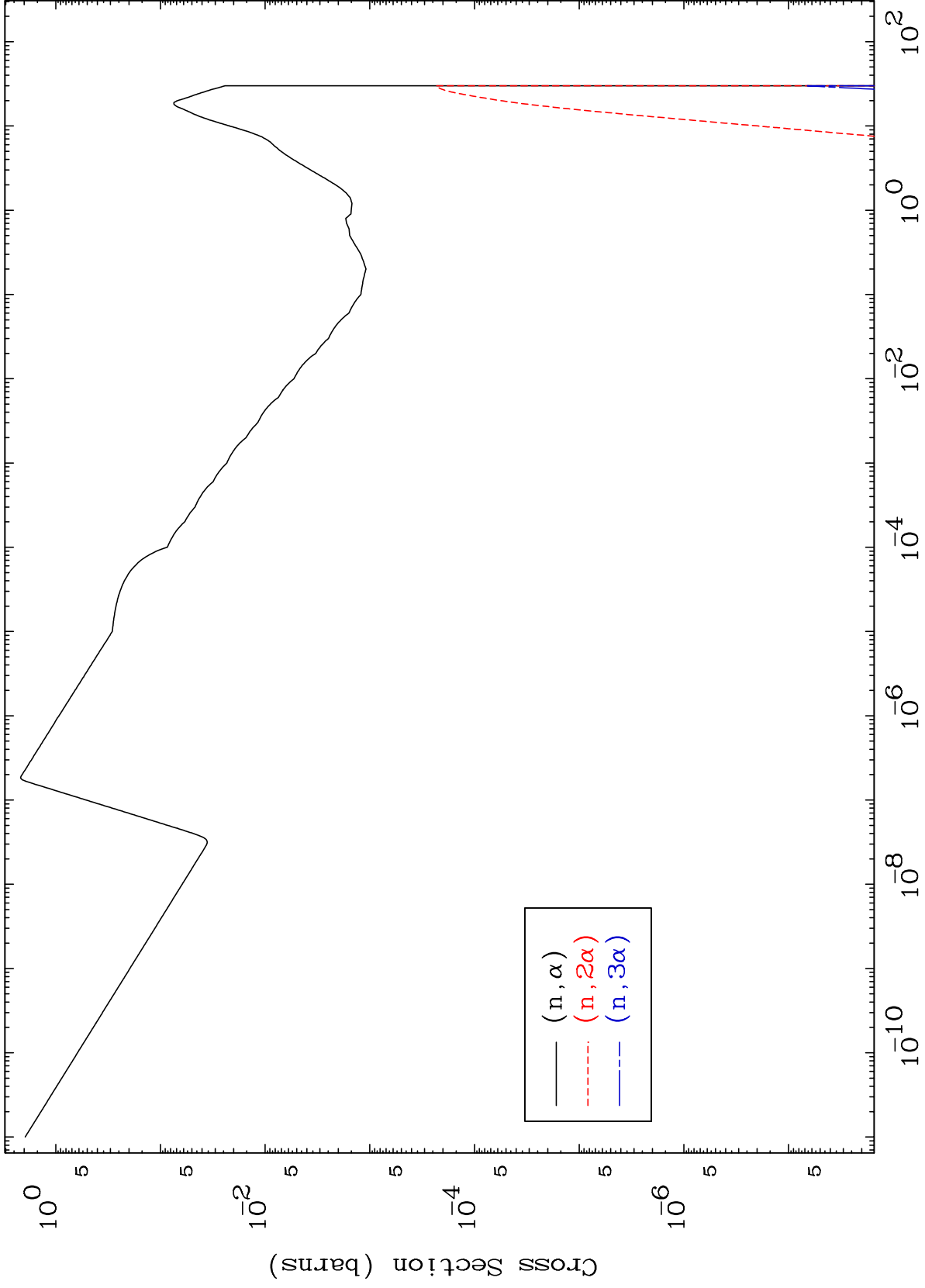
71-Lu-161



MAT 7083

(n, α) Levels
293 Kelvin Cross Sections

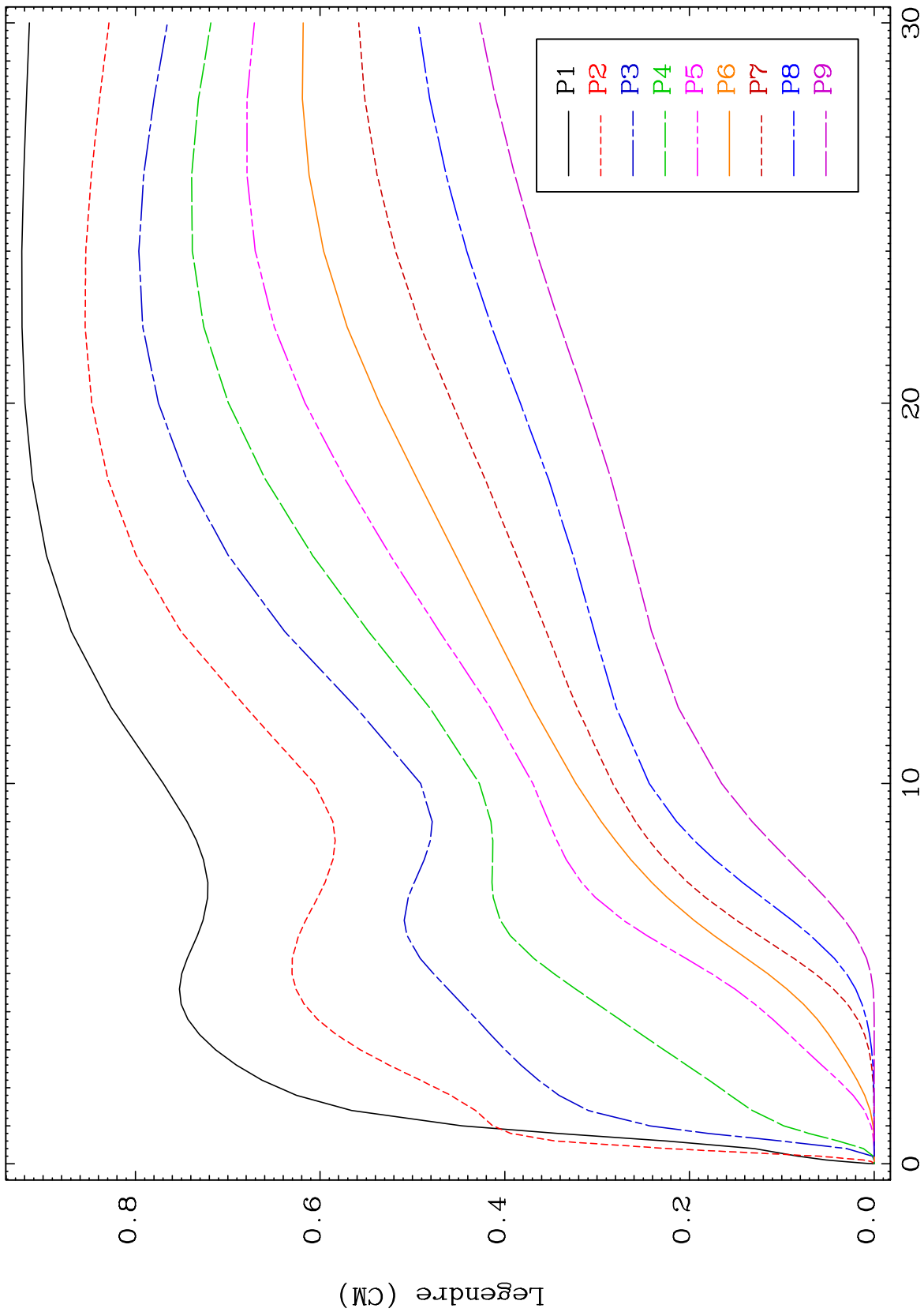
71-Lu-161



MAT 7083

71-Lu-161

Elastic Legendre Coefficients



18

Incident Energy (MeV)

71-Lu-161

30

20

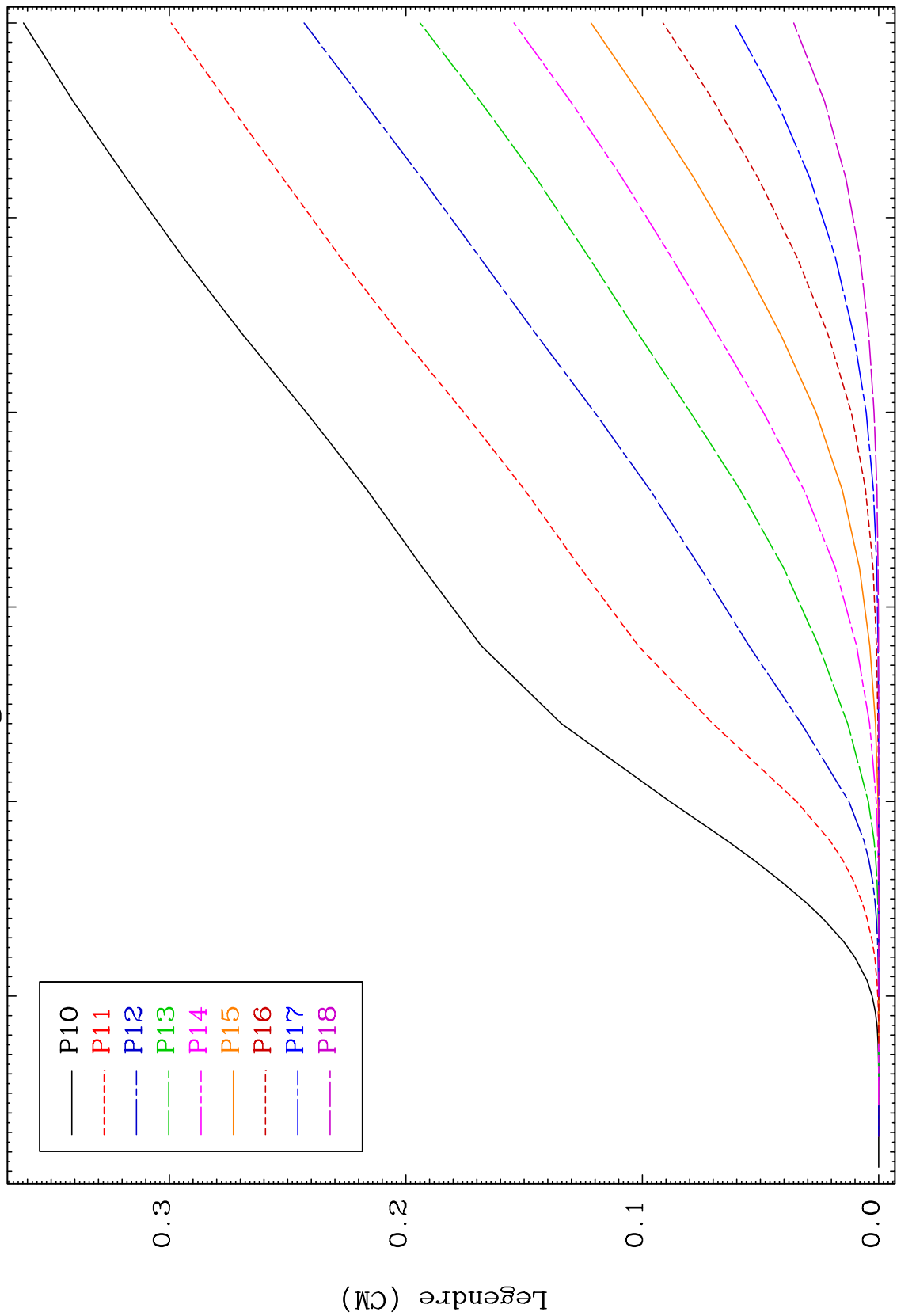
10

0

MAT 7083

Elastic Legendre Coefficients

⁷¹Lu-161



19

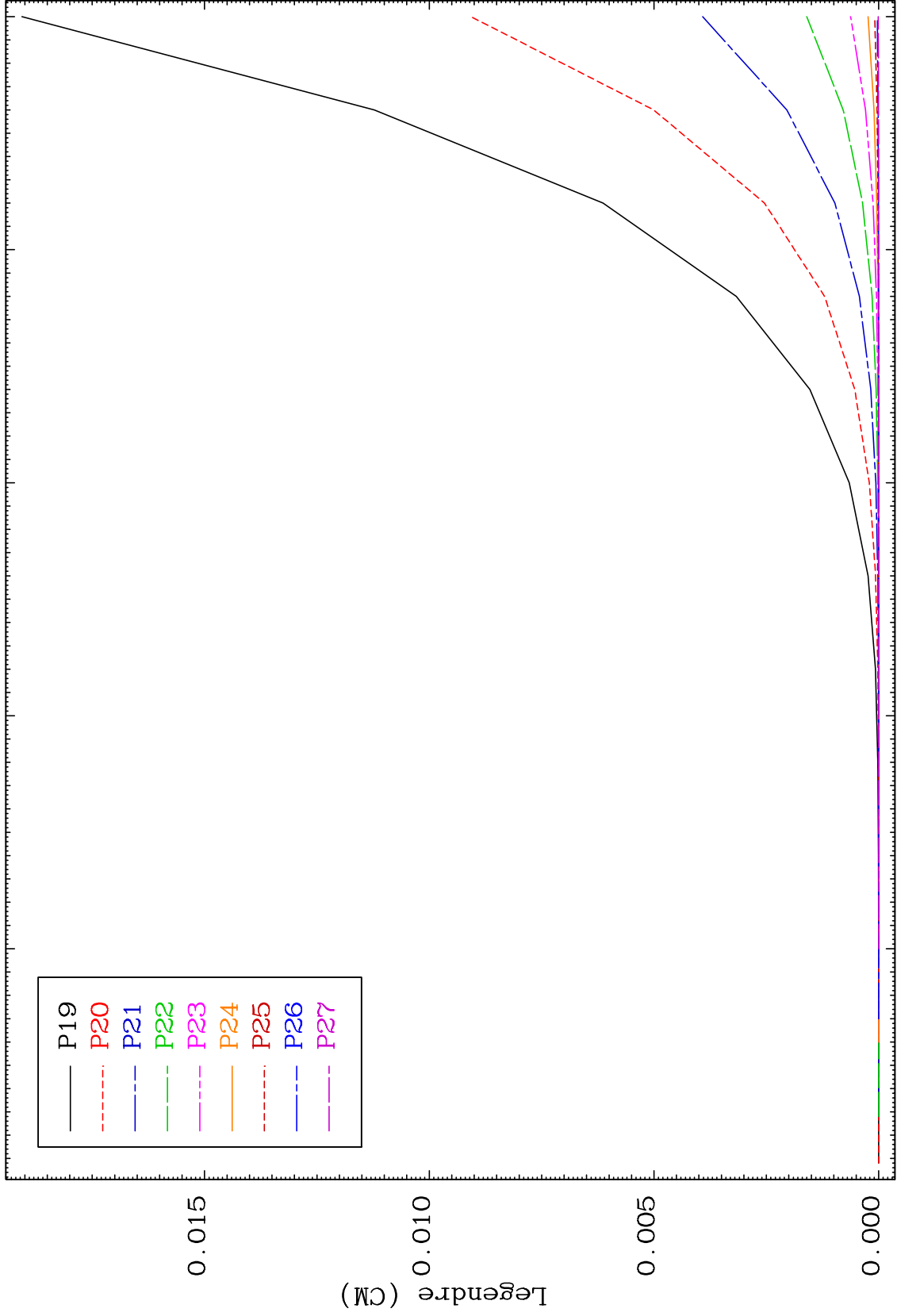
⁷¹Lu-161

Incident Energy (MeV)

MAT 7083

Elastic Legendre Coefficients

⁷¹Lu-161



20

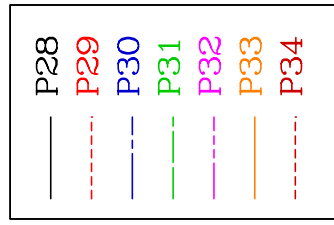
Incident Energy (MeV)

⁷¹Lu-161

MAT 7083

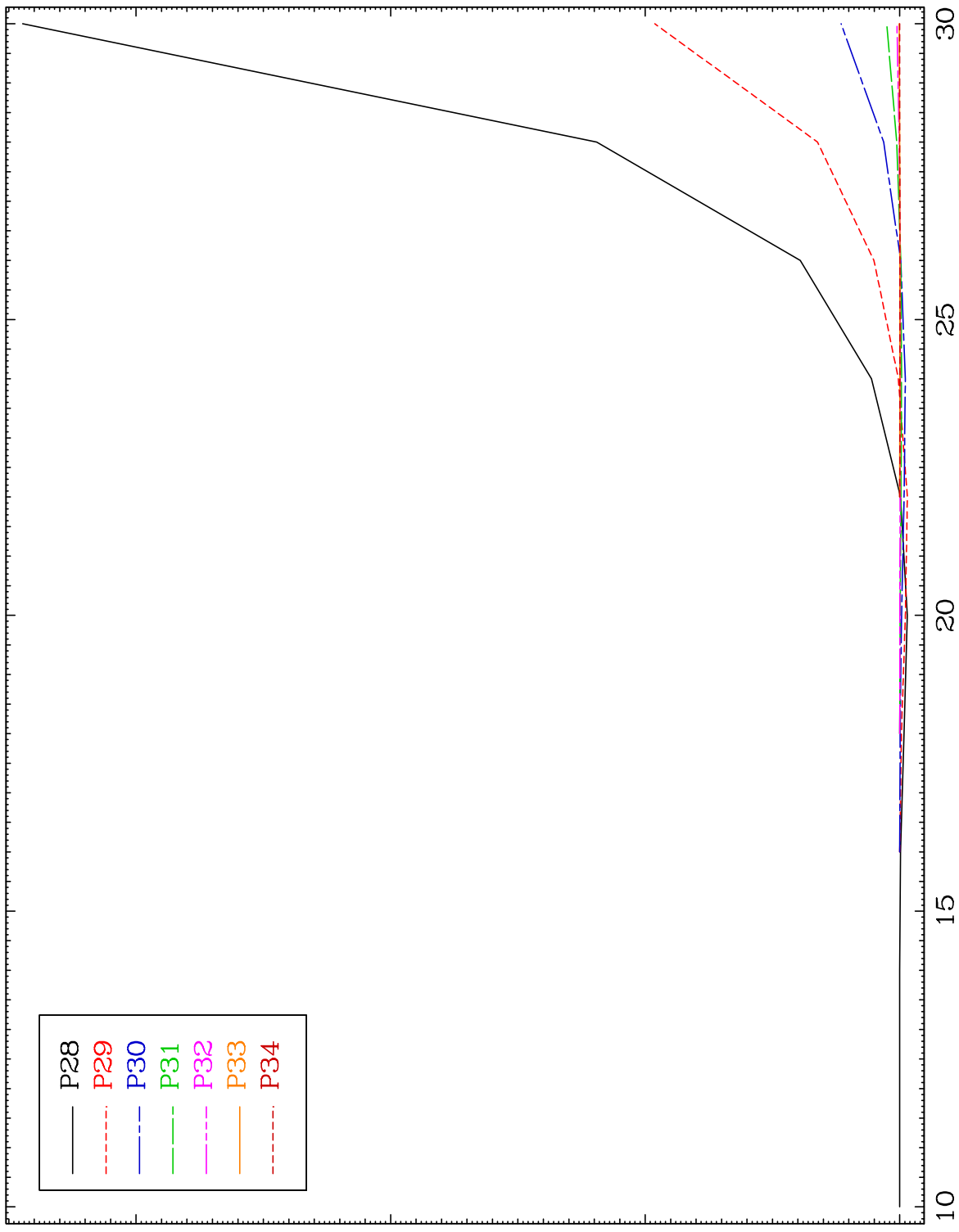
Elastic Legendre Coefficients

71-Lu-161



$\times 10^{-6}$

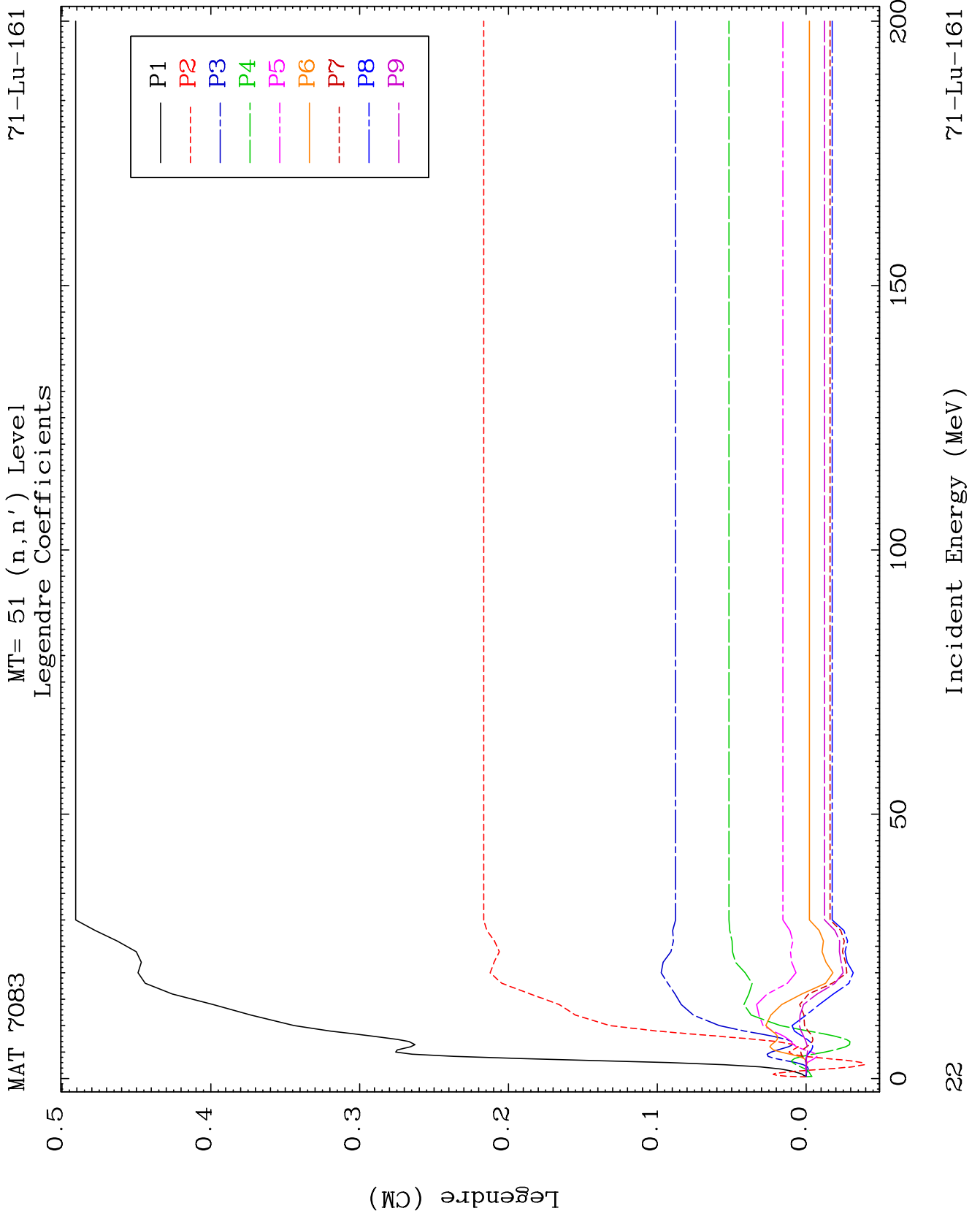
Legendre (CM)



21

Incident Energy (MeV)

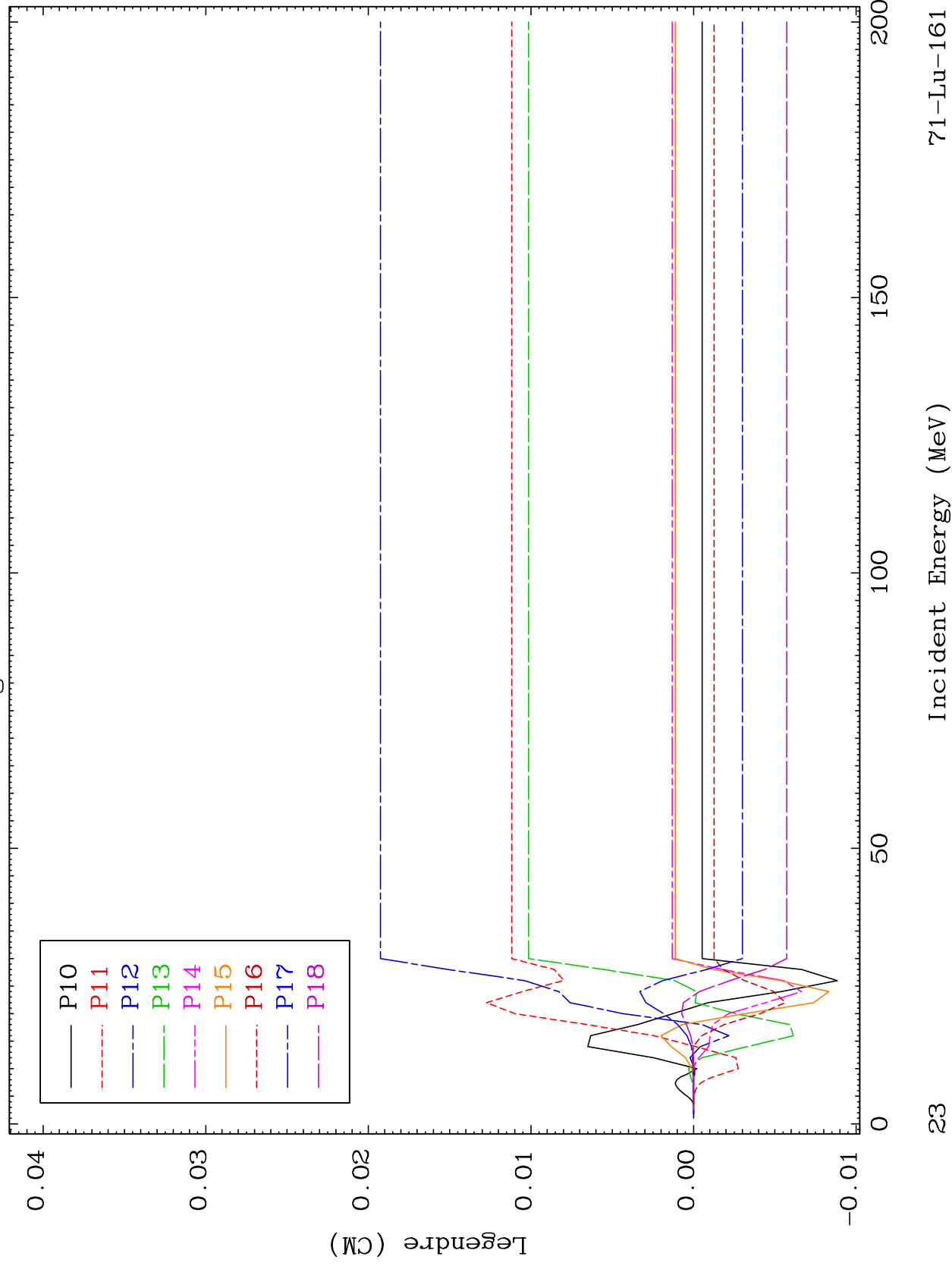
71-Lu-161



MAT 7083

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

71-Lu-161



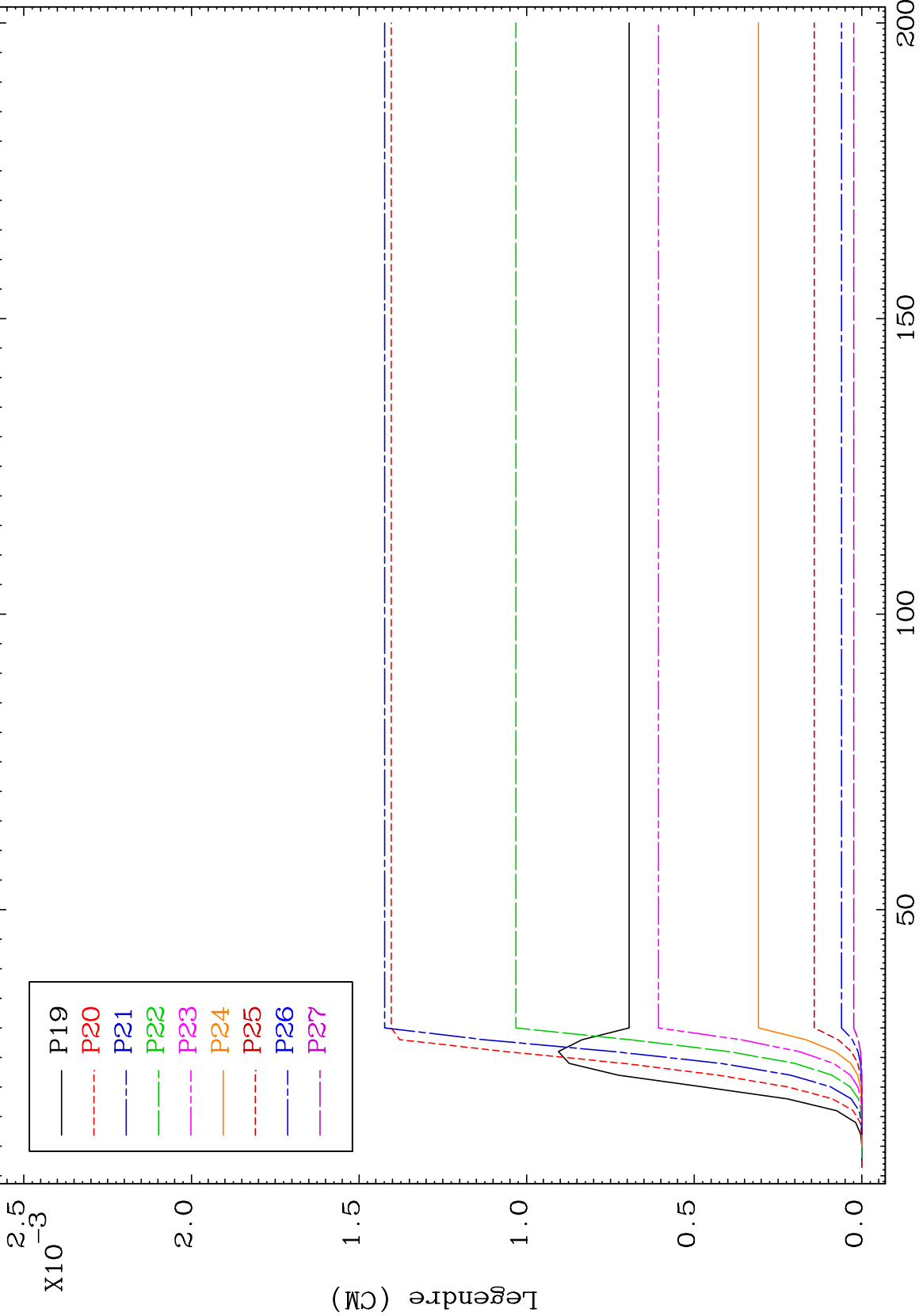
23

71-Lu-161

MAT 7083

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

71-Lu-161



24

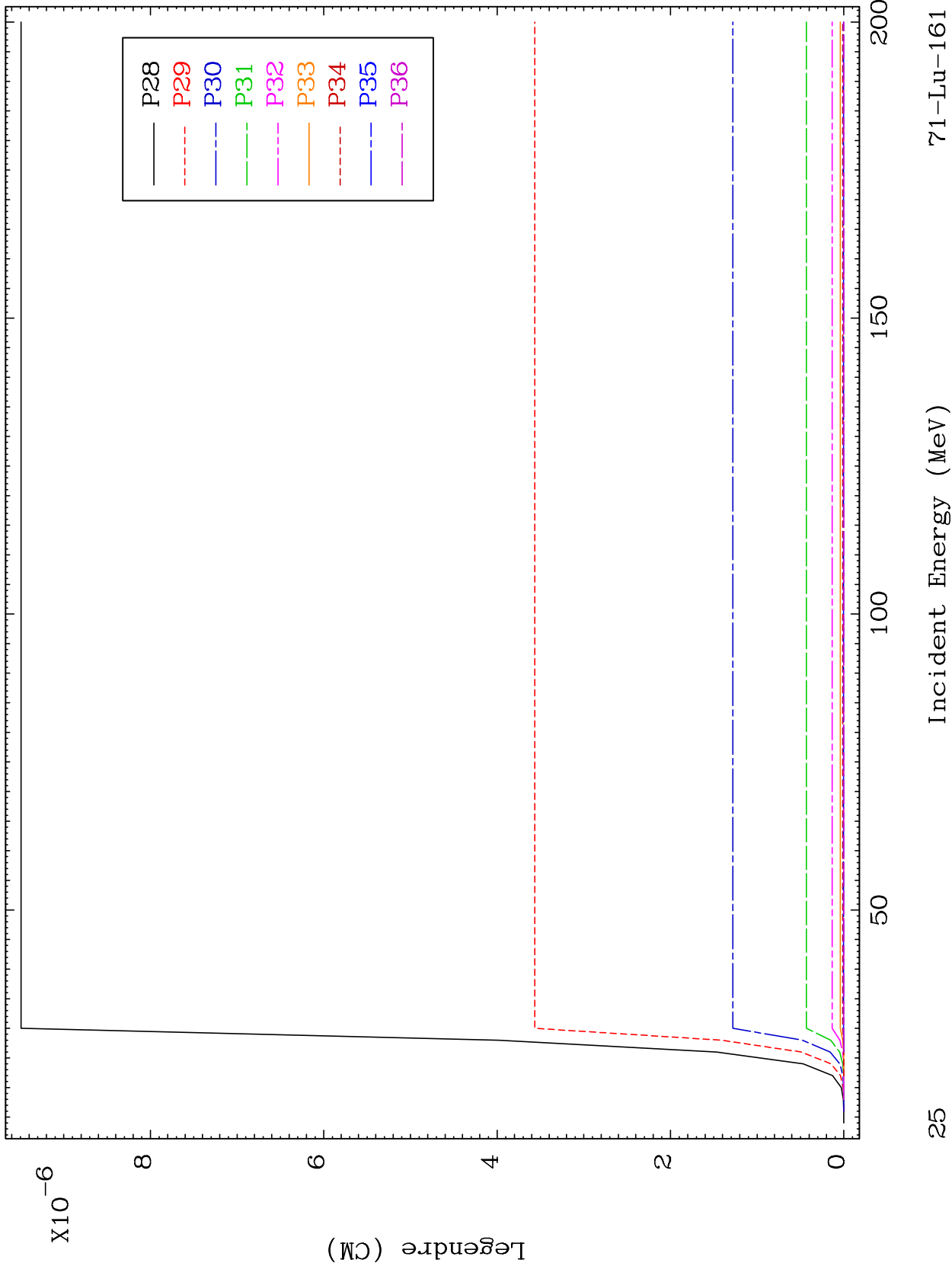
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



25

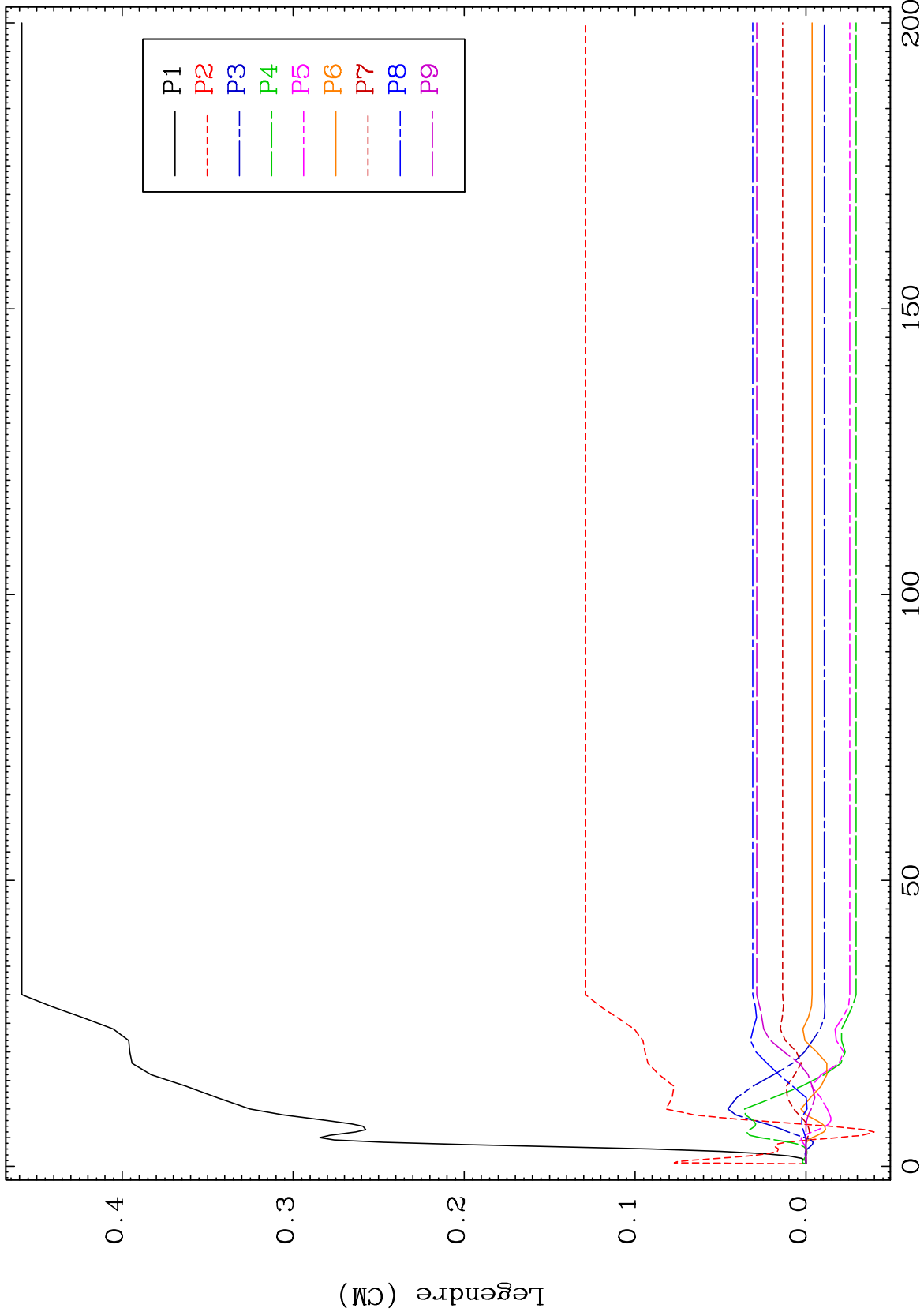
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



26

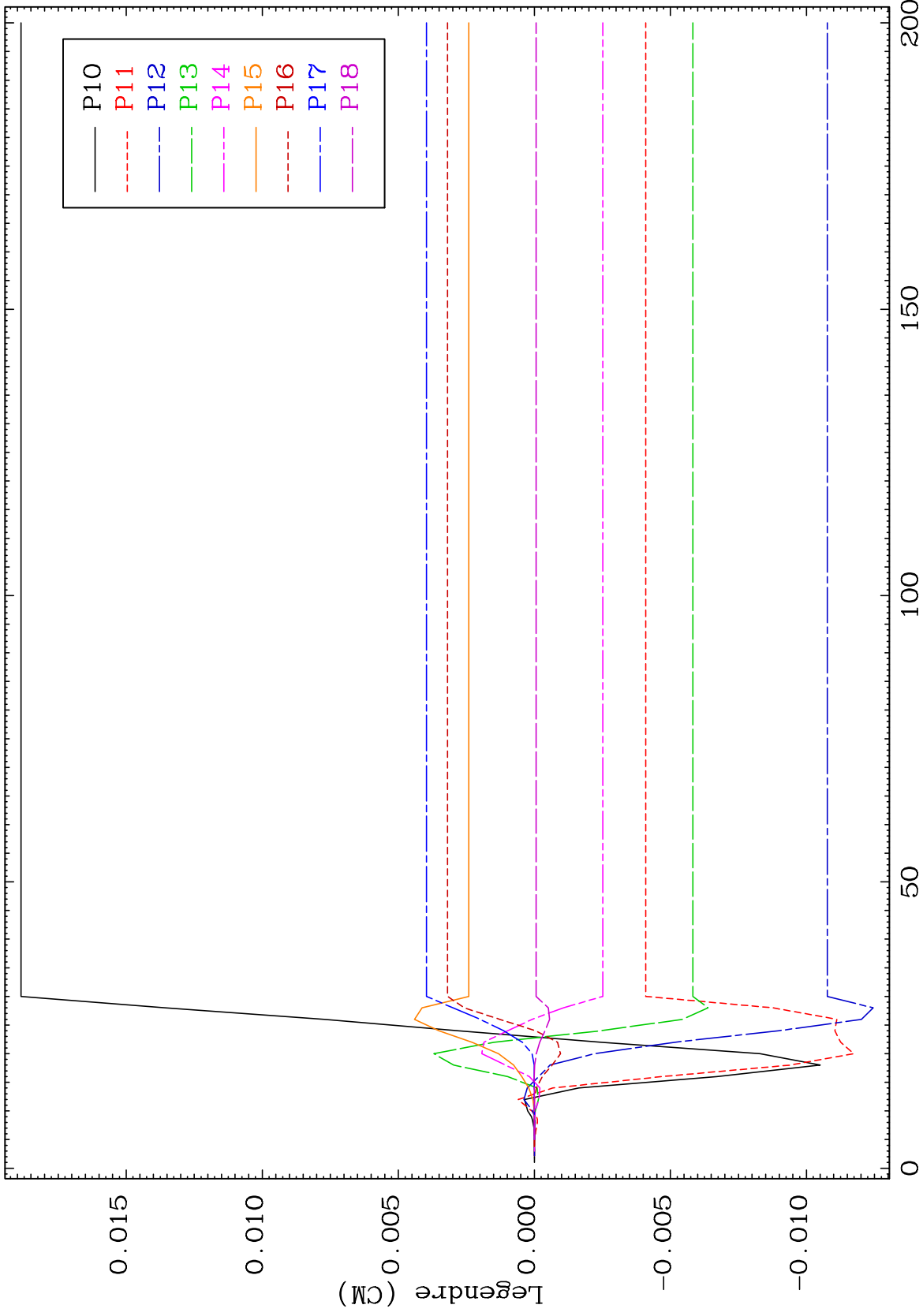
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

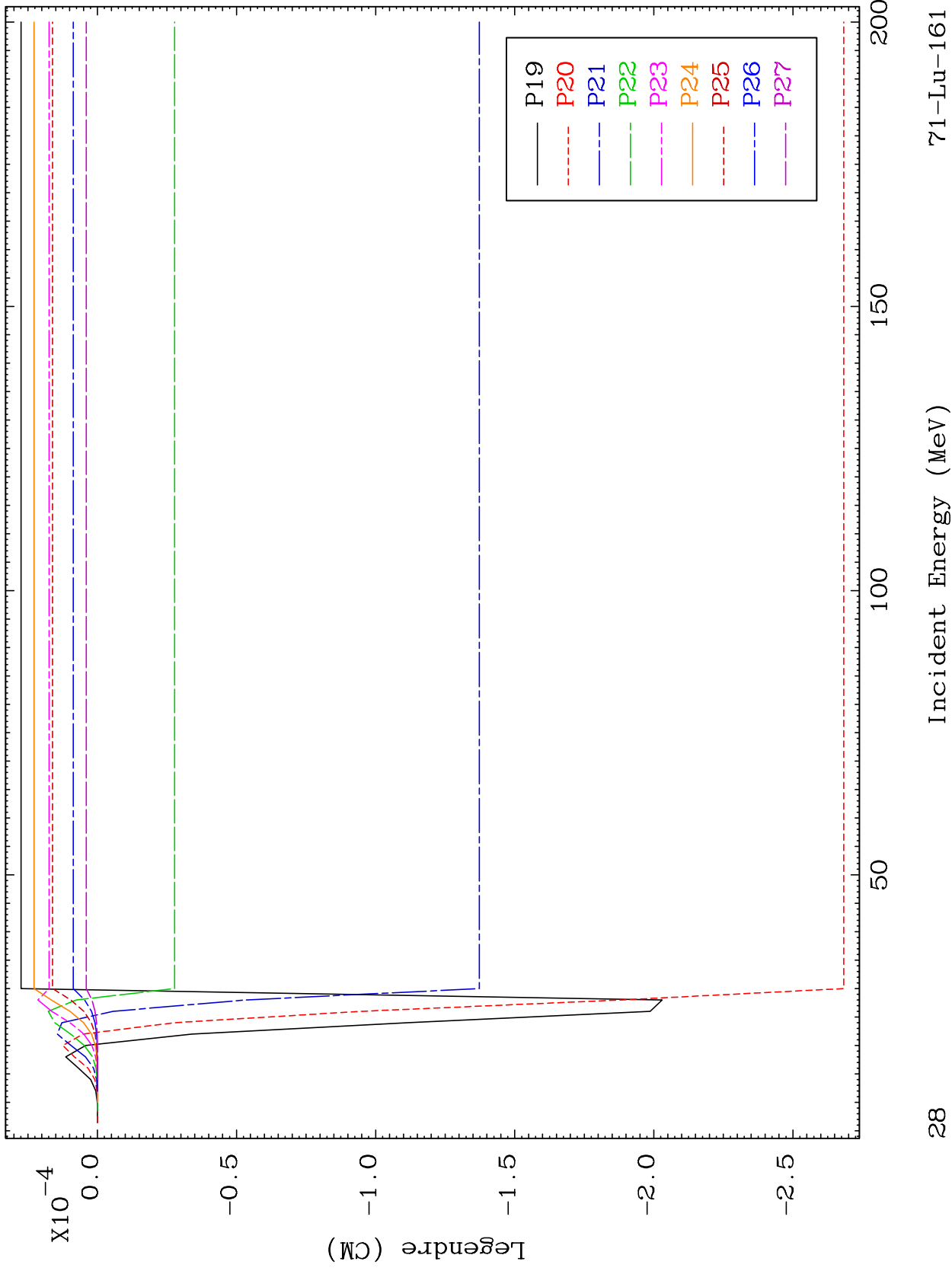
71-Lu-161



27

Incident Energy (MeV)

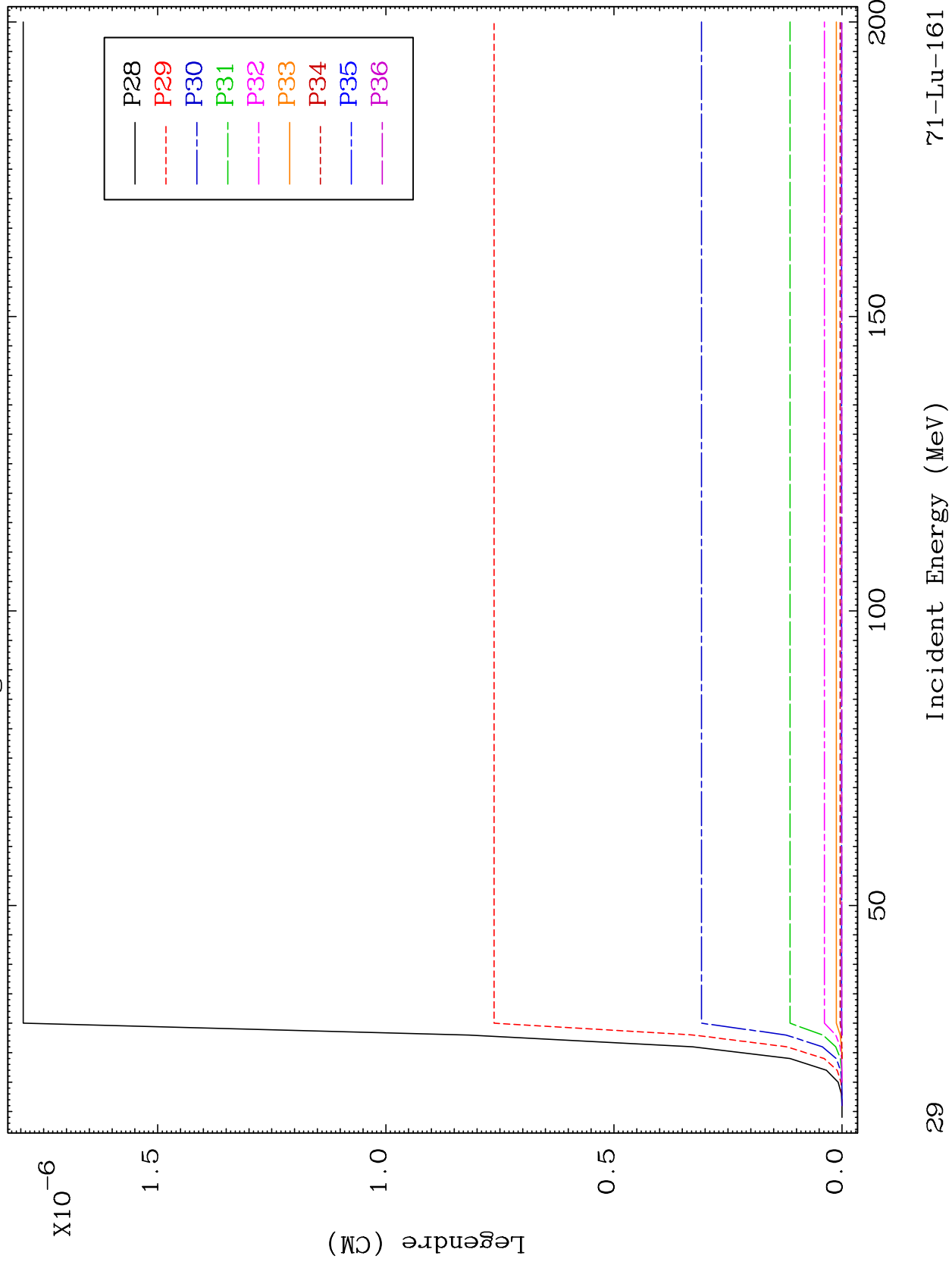
71-Lu-161



MAT 7083

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

71-Lu-161



29

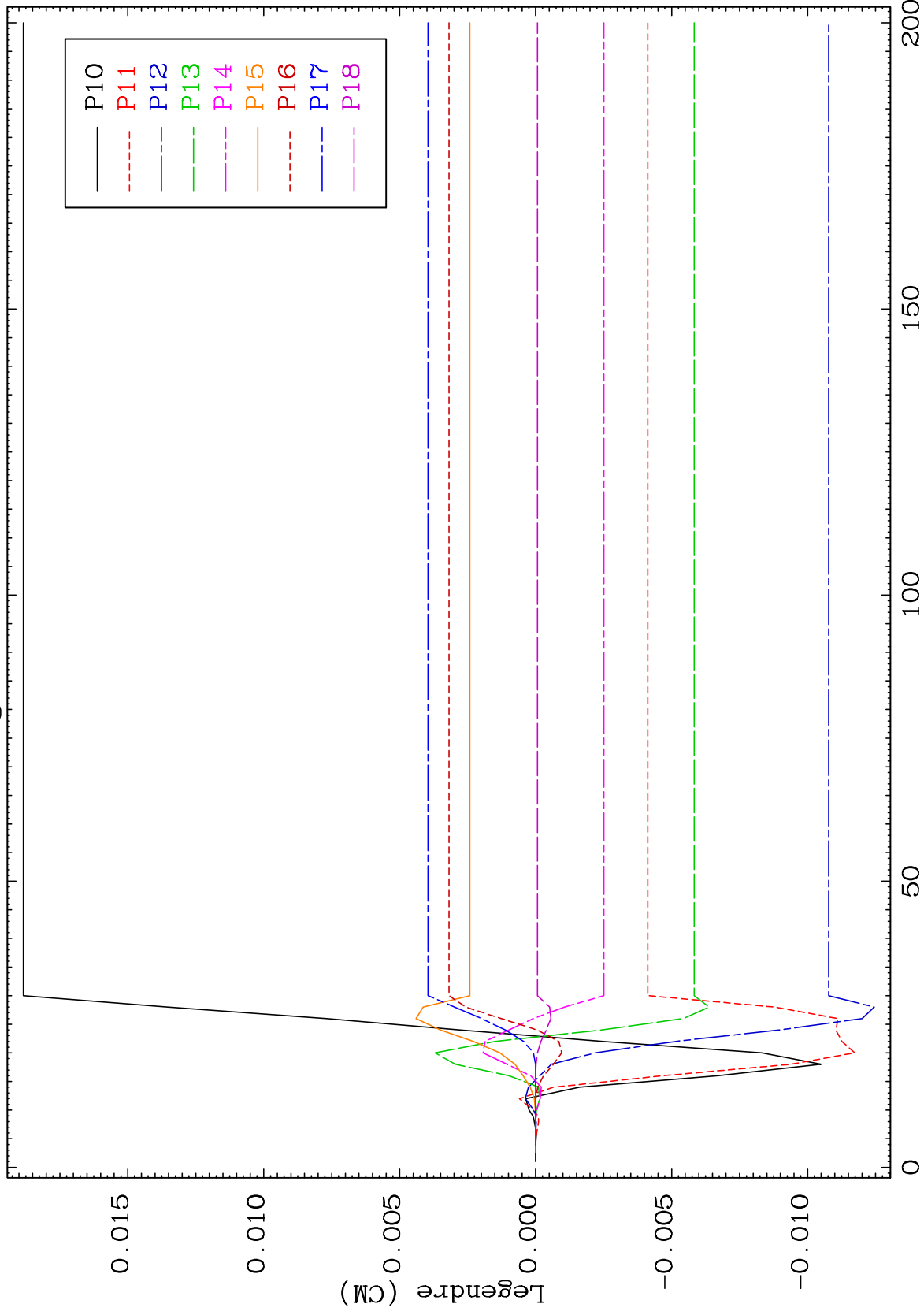
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

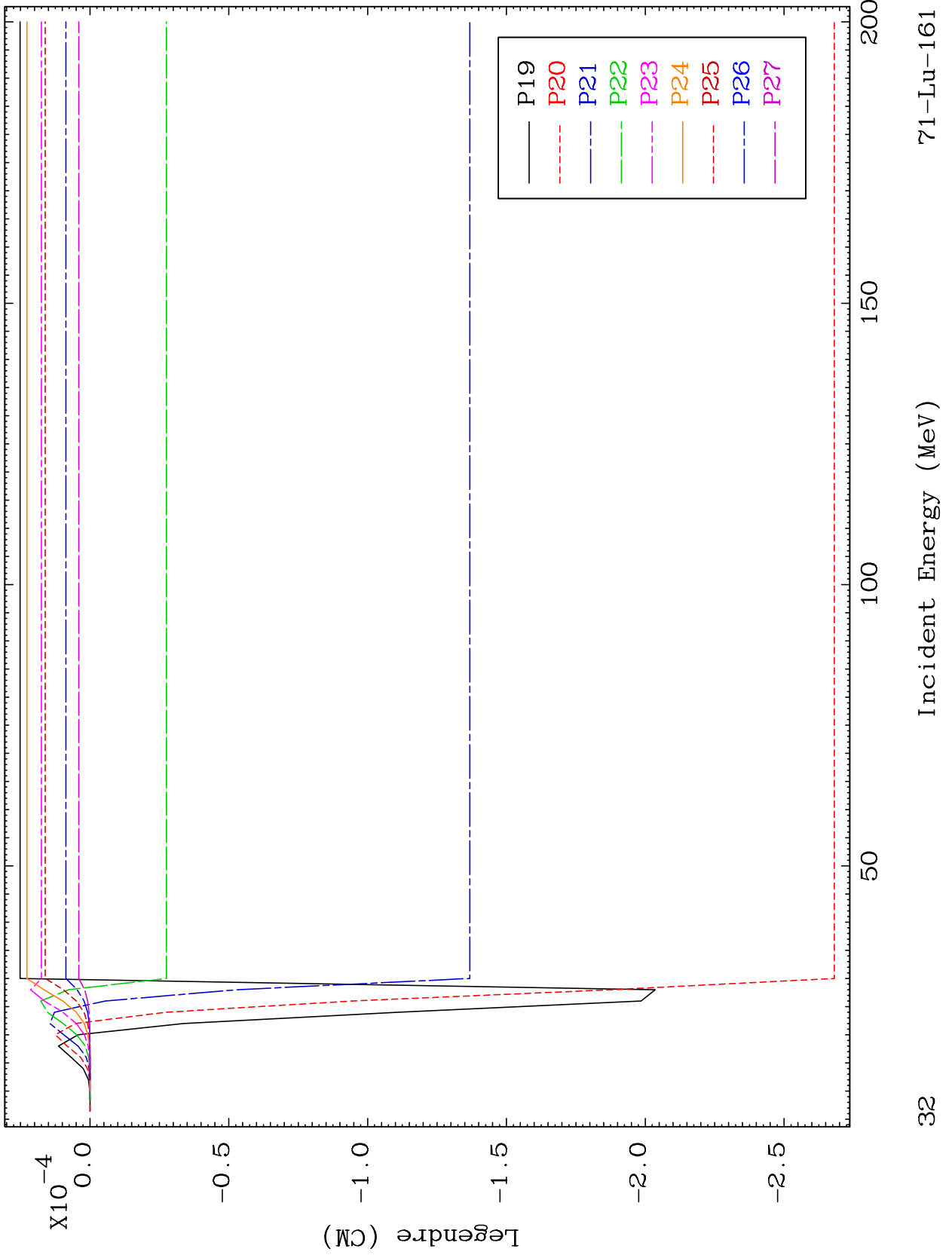
71-Lu-161



31

Incident Energy (MeV)

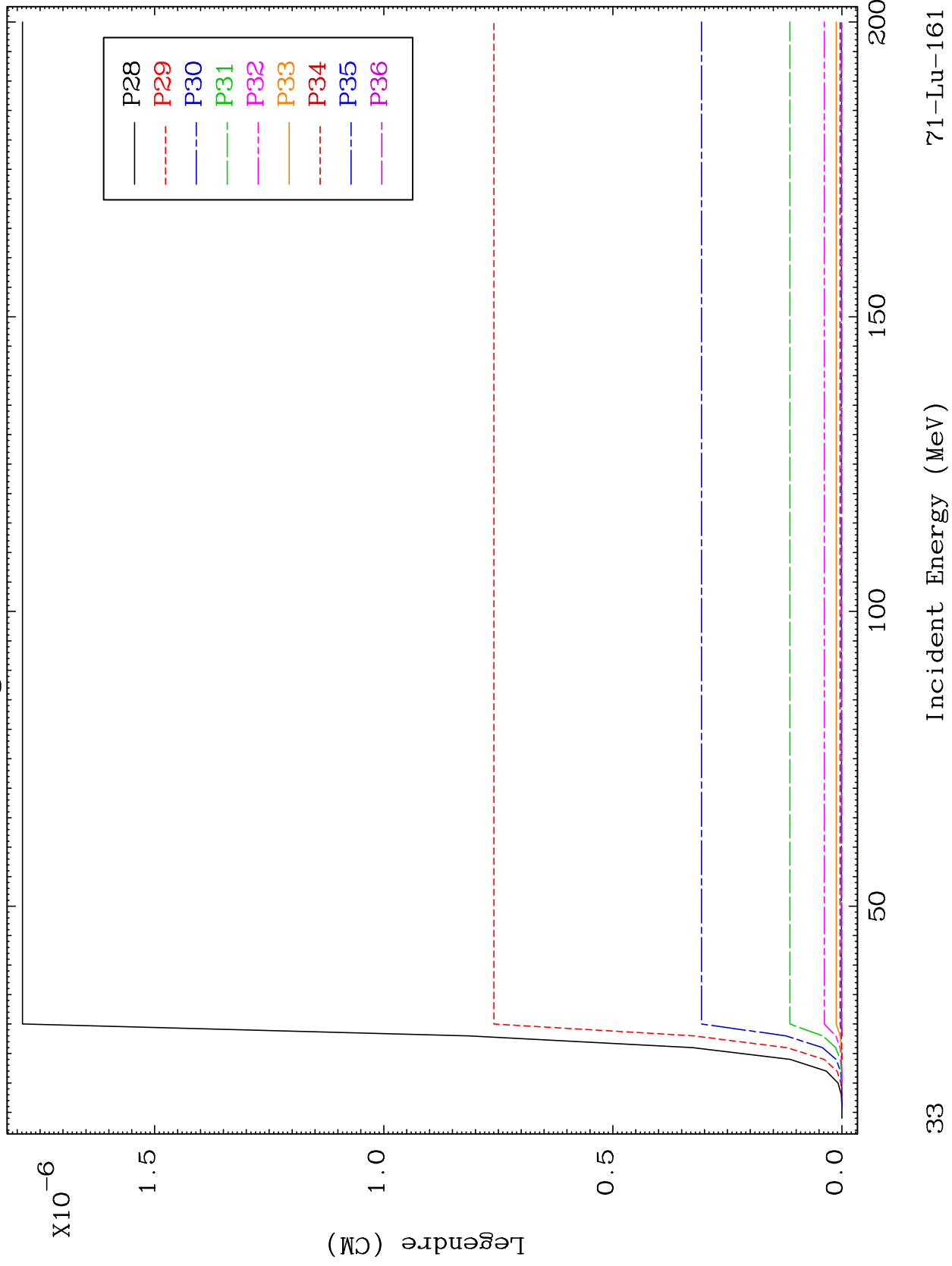
71-Lu-161



MAT 7083

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

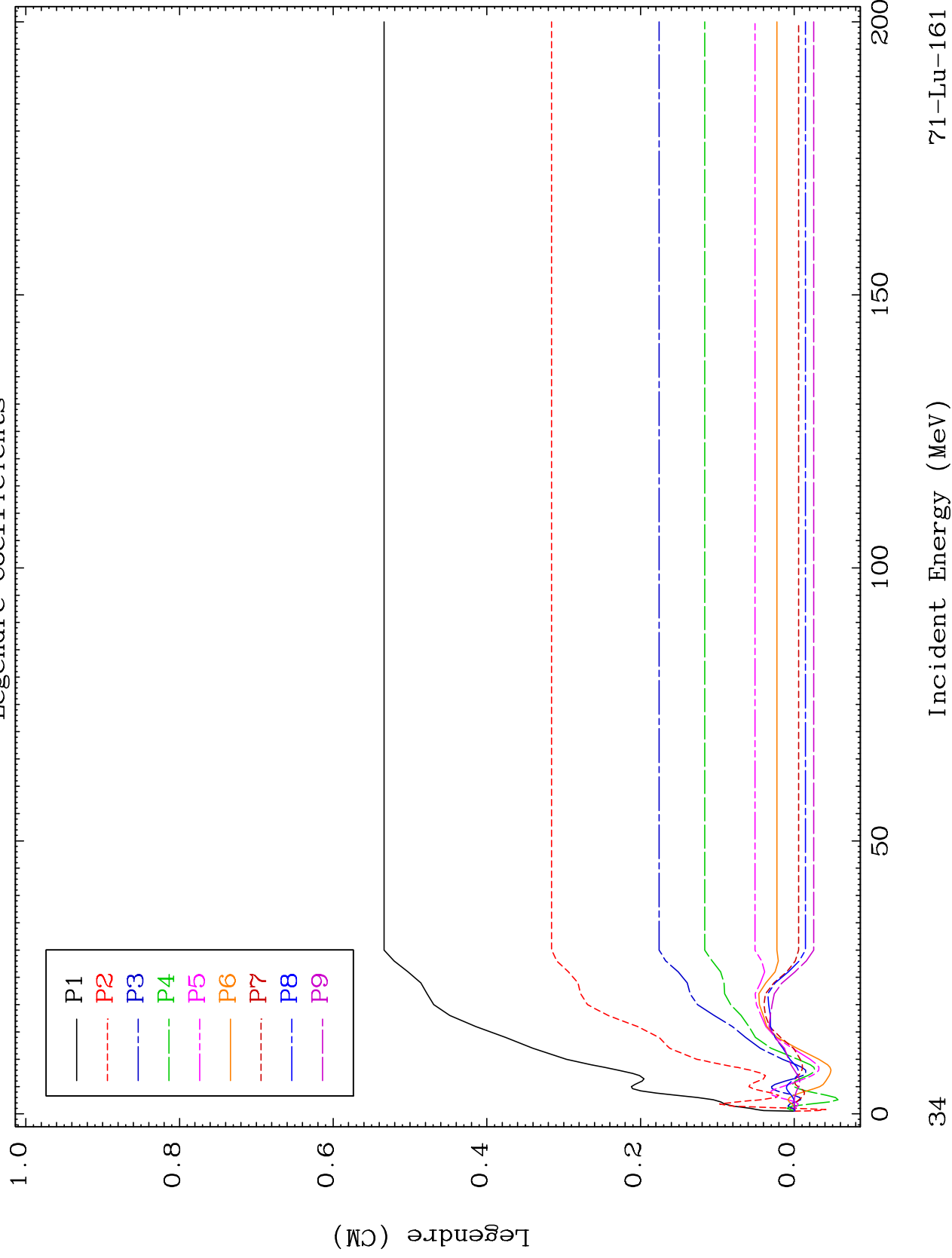
71-Lu-161



MAT 7083

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

71-Lu-161

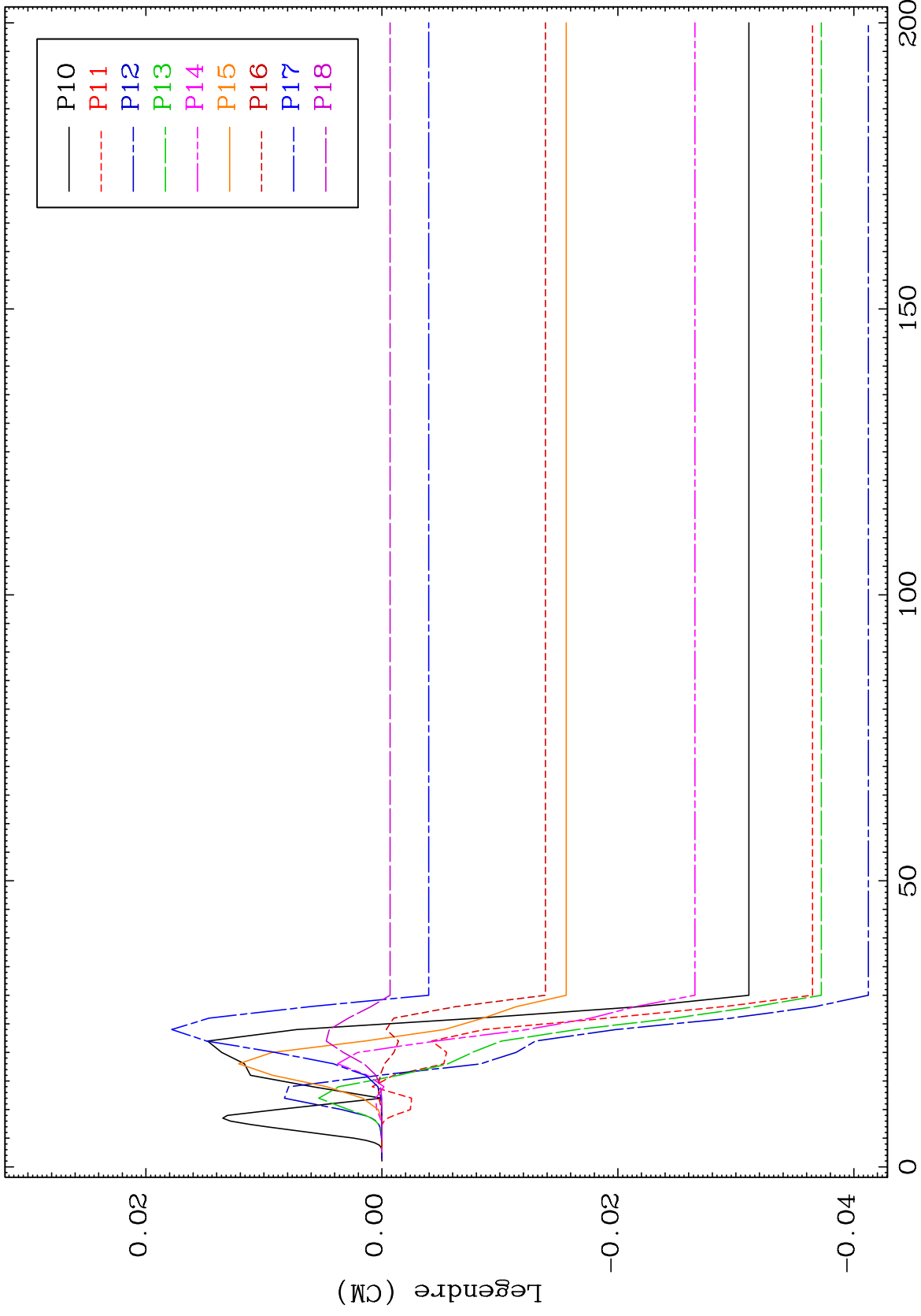


34

MAT 7083

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

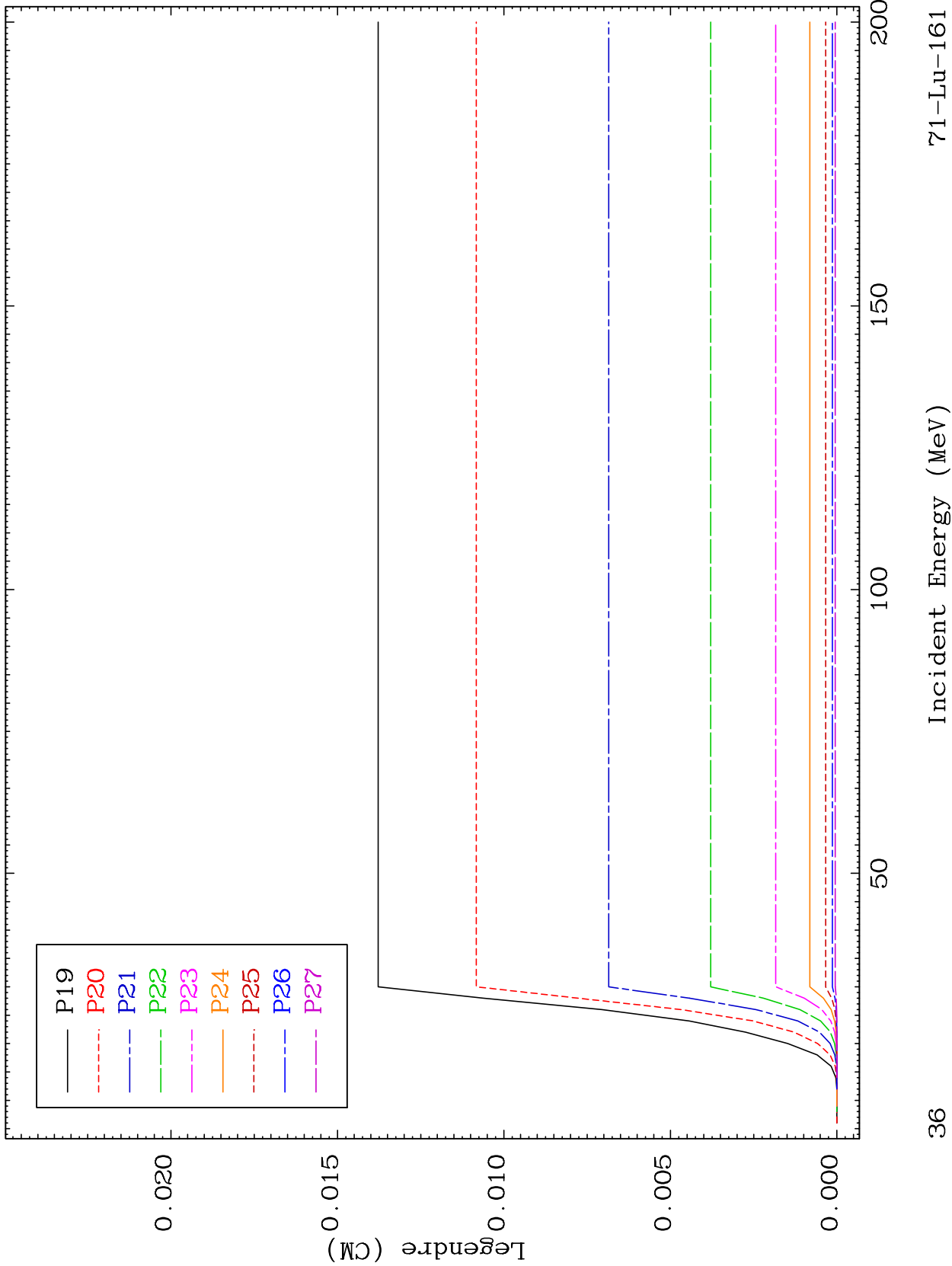
71-Lu-161



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71-Lu-161

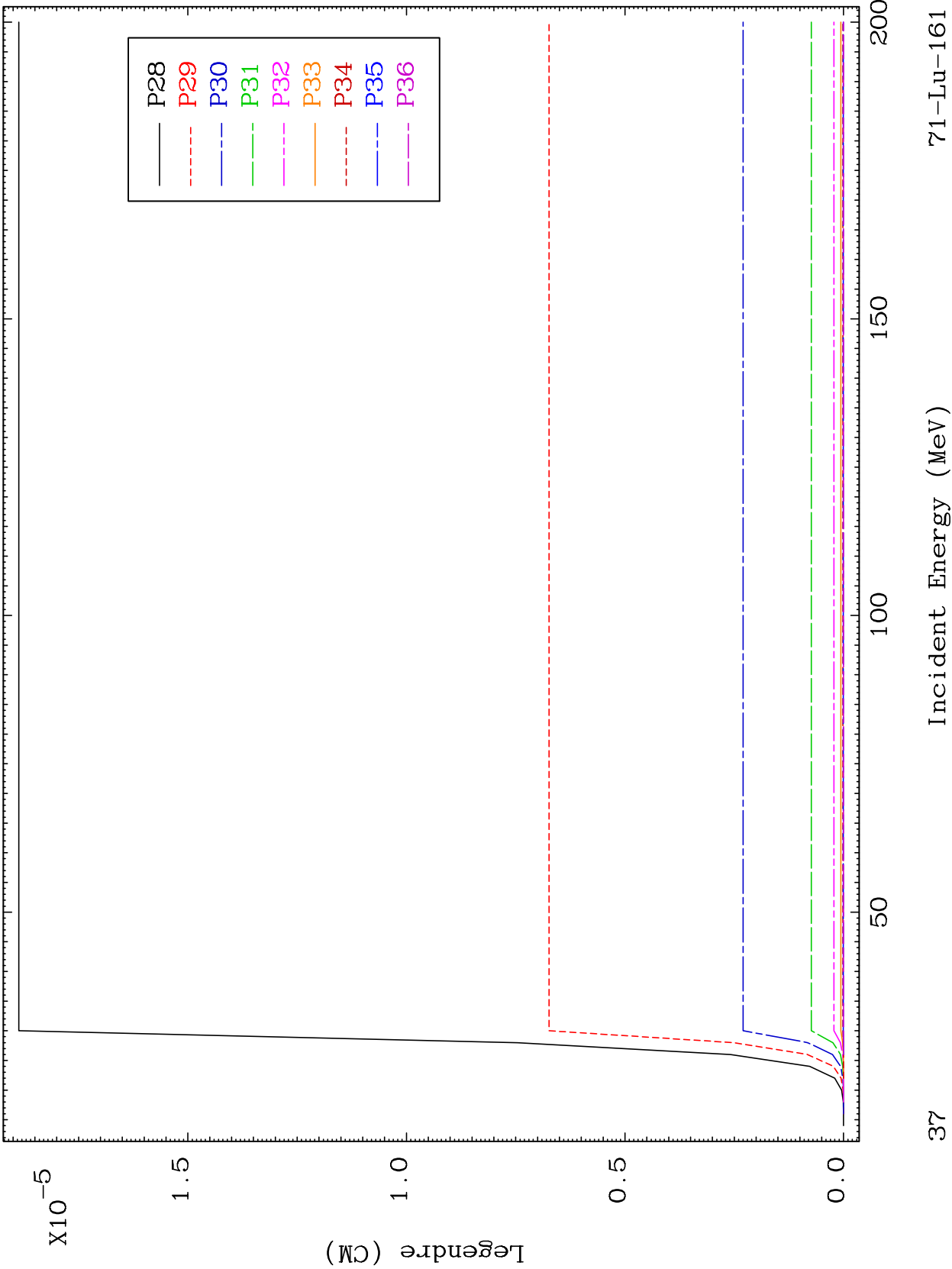
71-Lu-161



MAT 7083

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

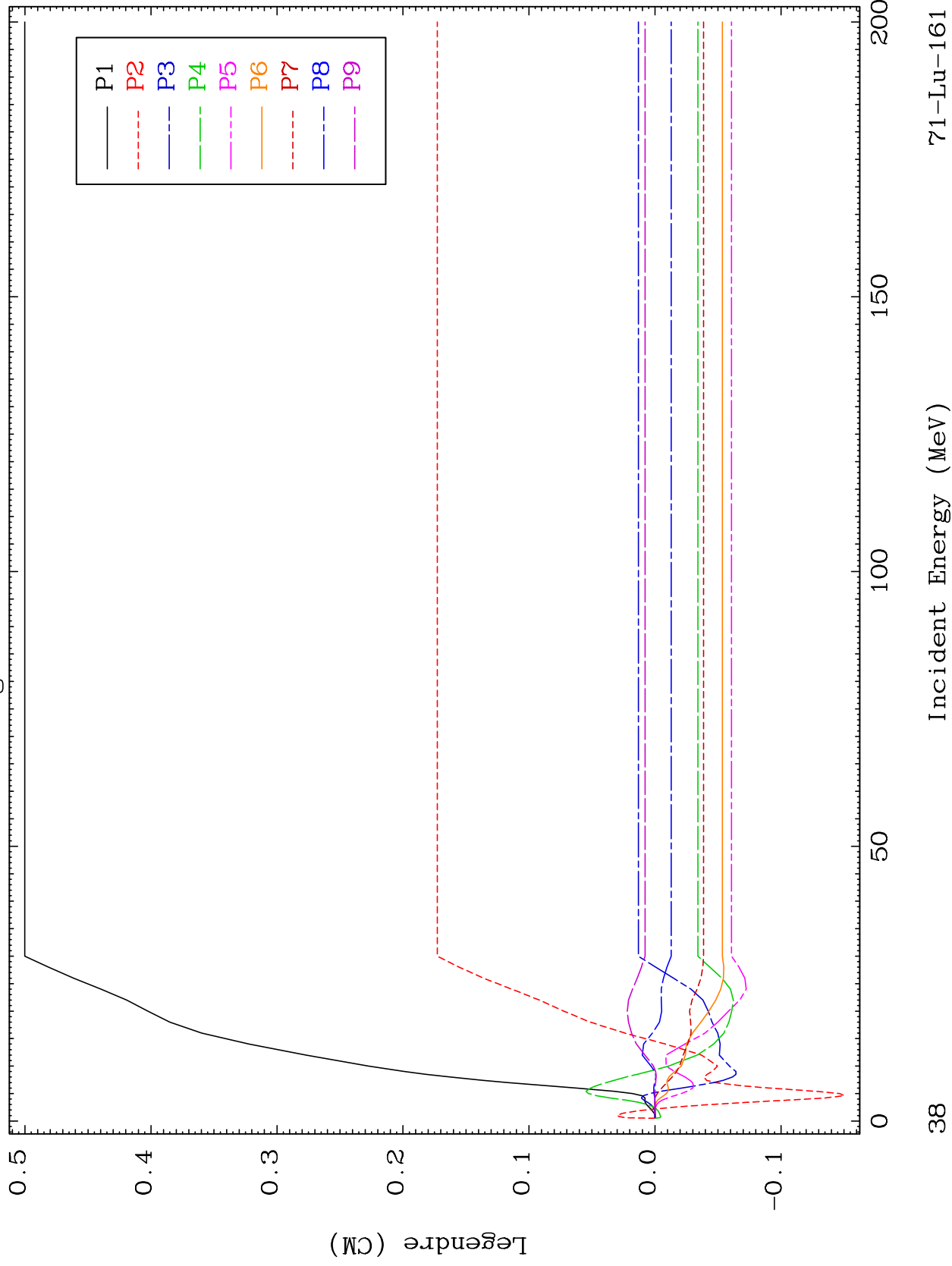
71-Lu-161



MAT 7083

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

71-Lu-161



71-Lu-161

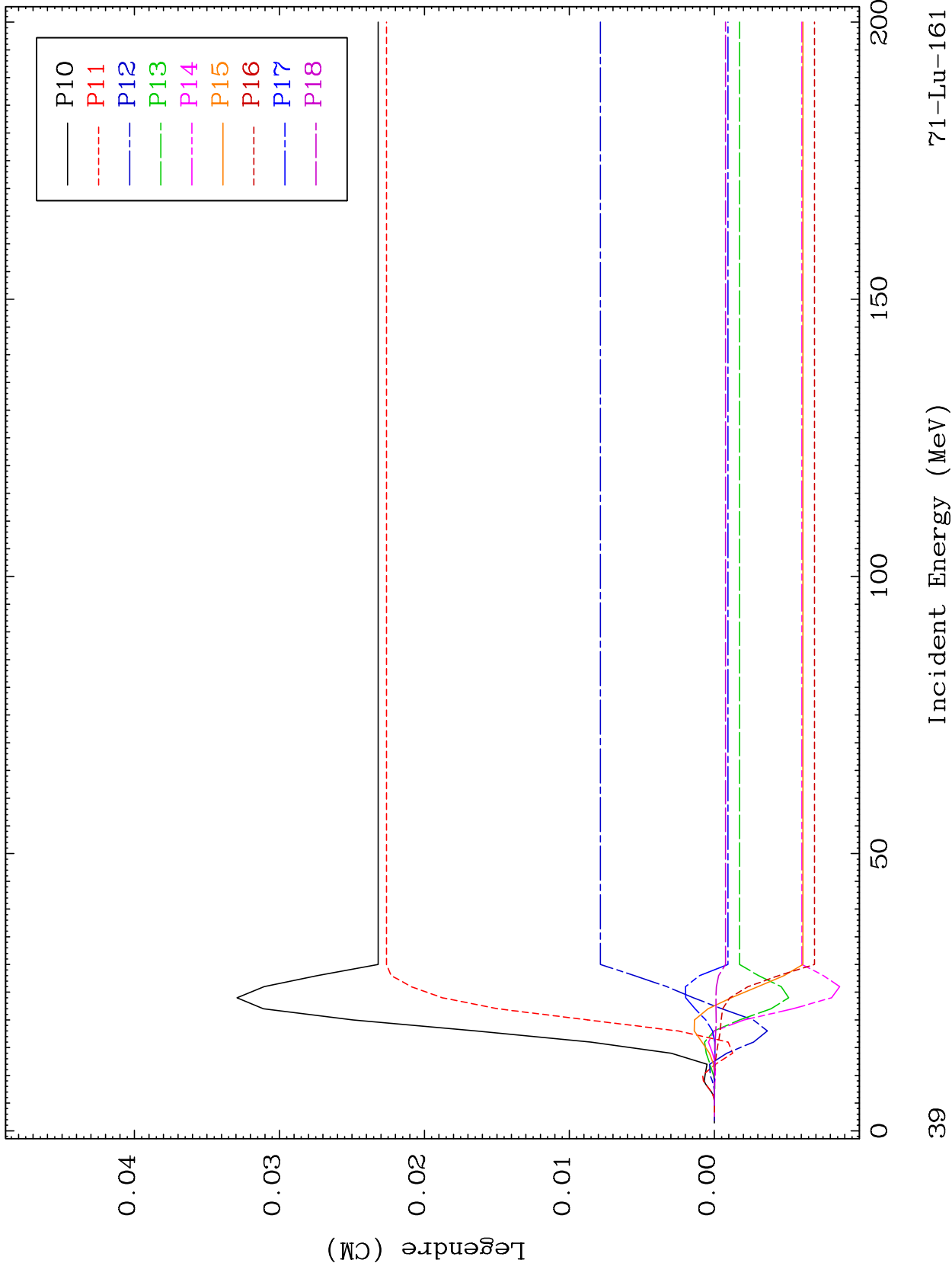
Incident Energy (MeV)

38

MAT 7083

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

71-Lu-161



39

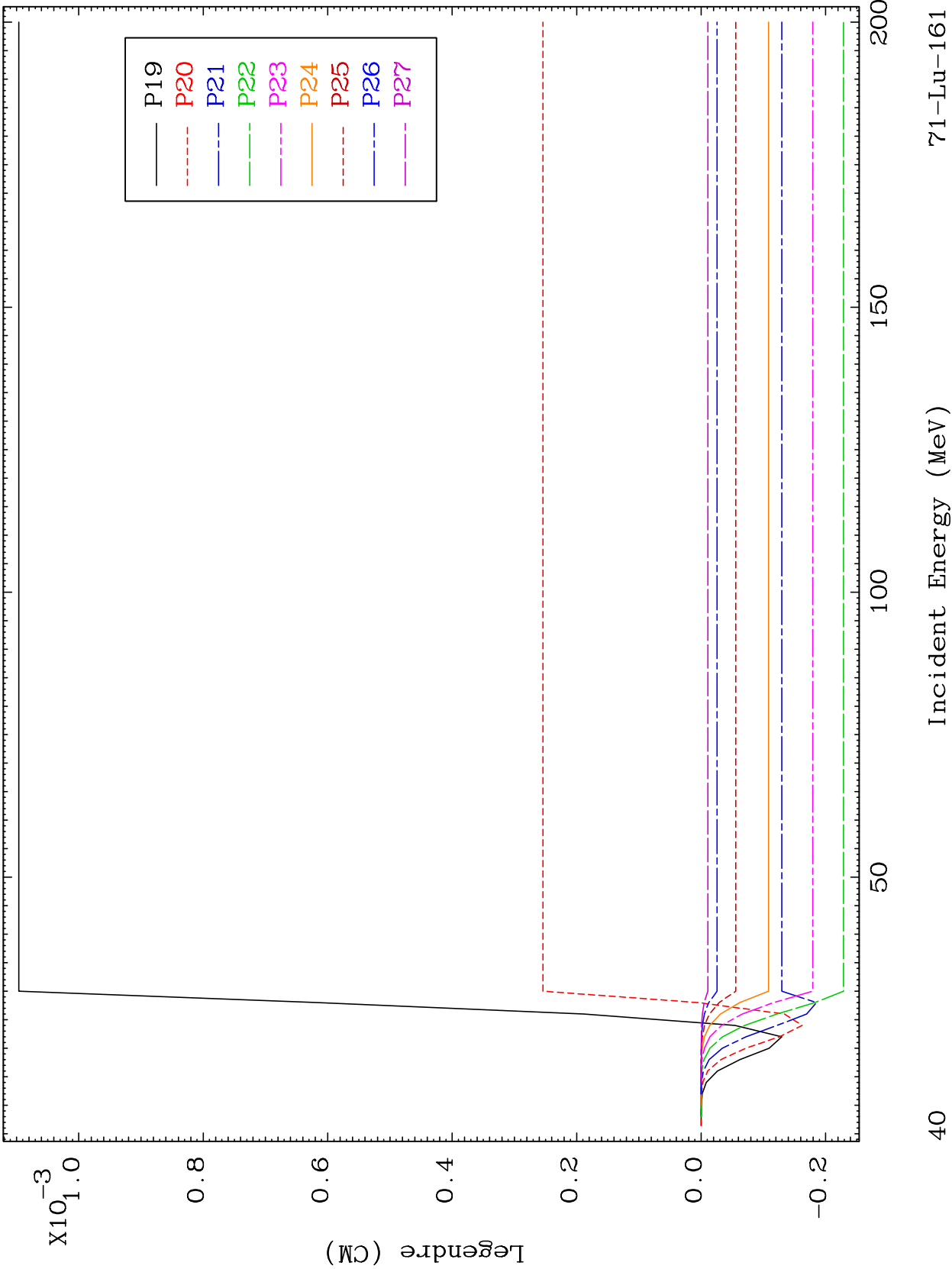
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

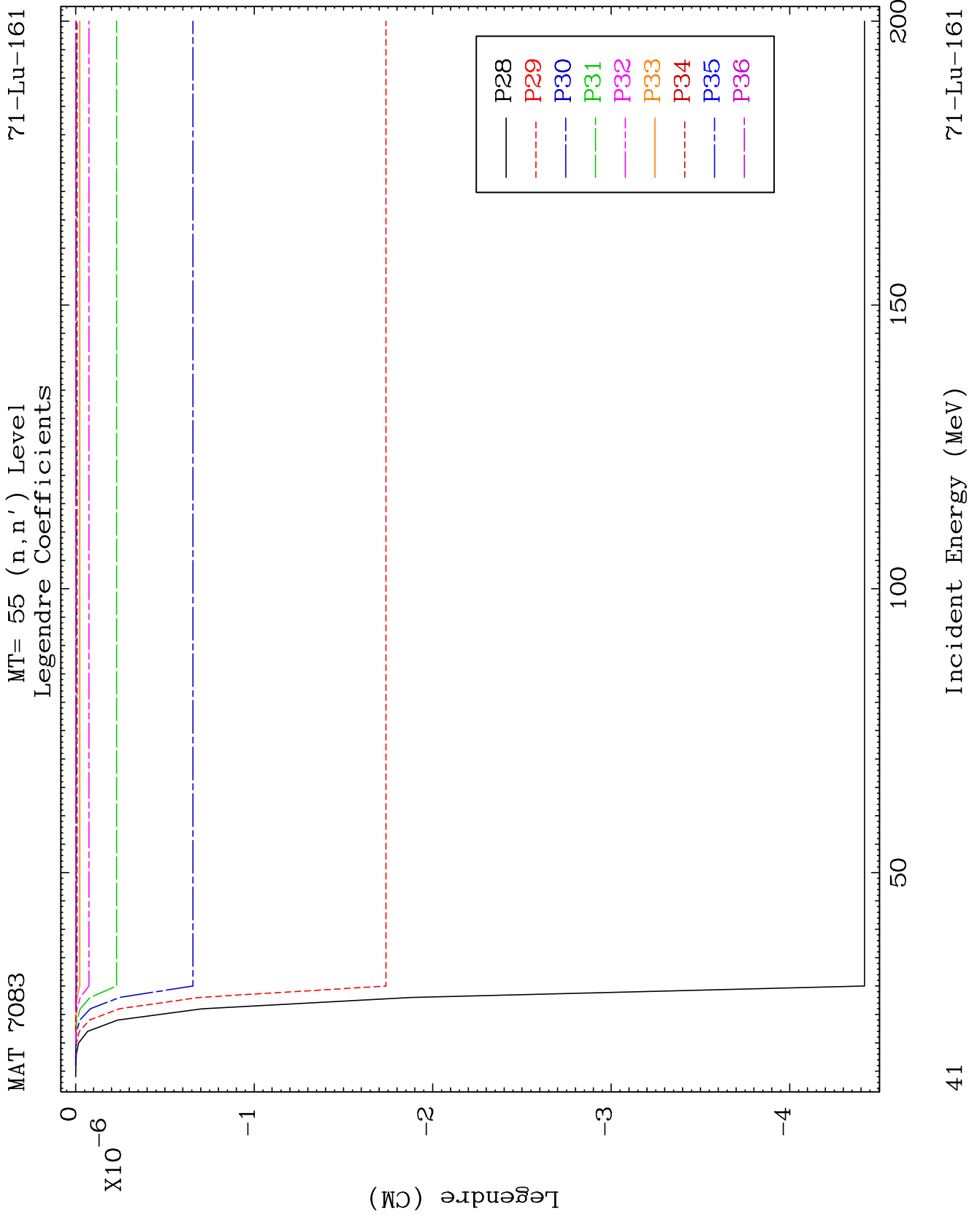
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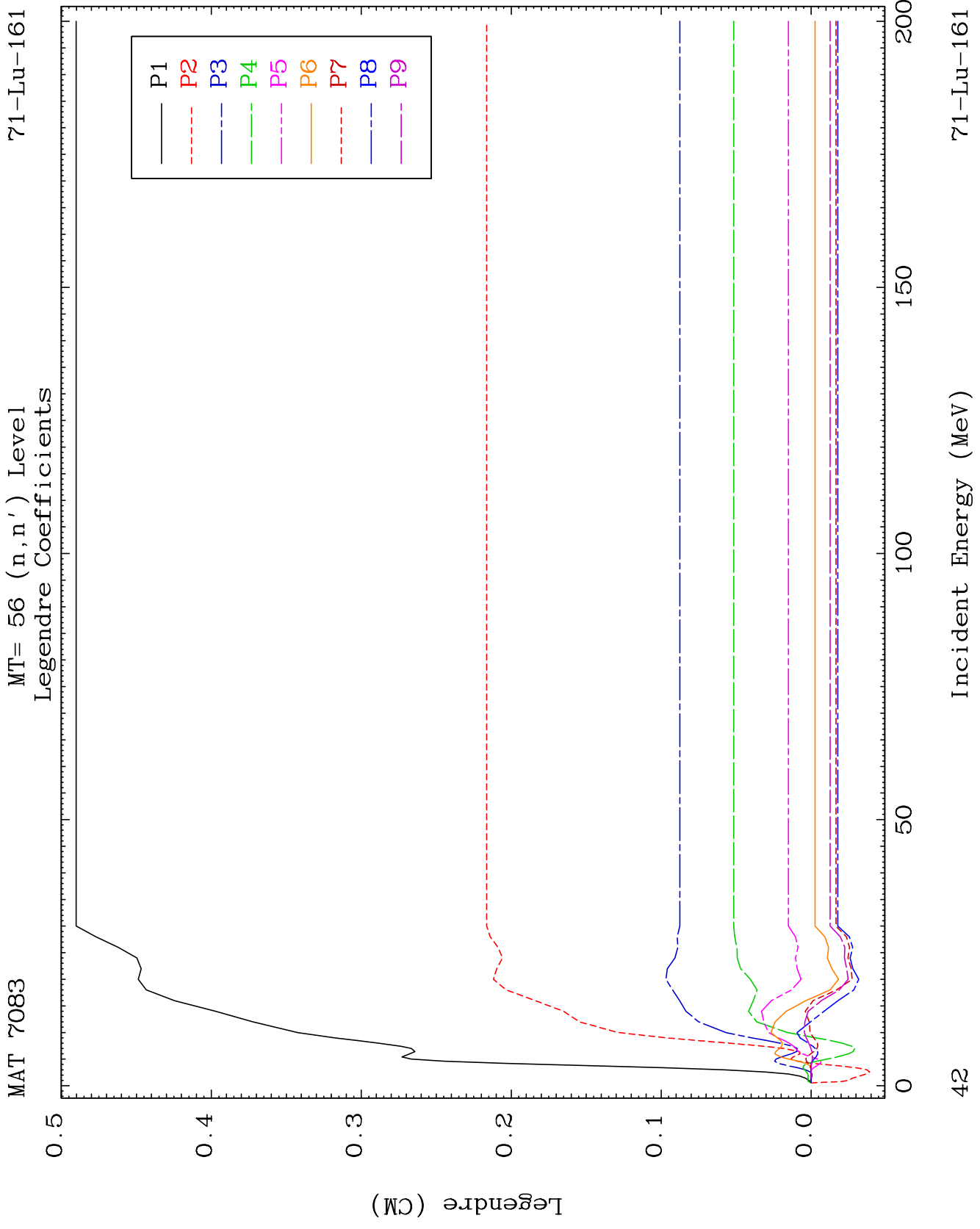


40

Incident Energy (MeV)

71-Lu-161

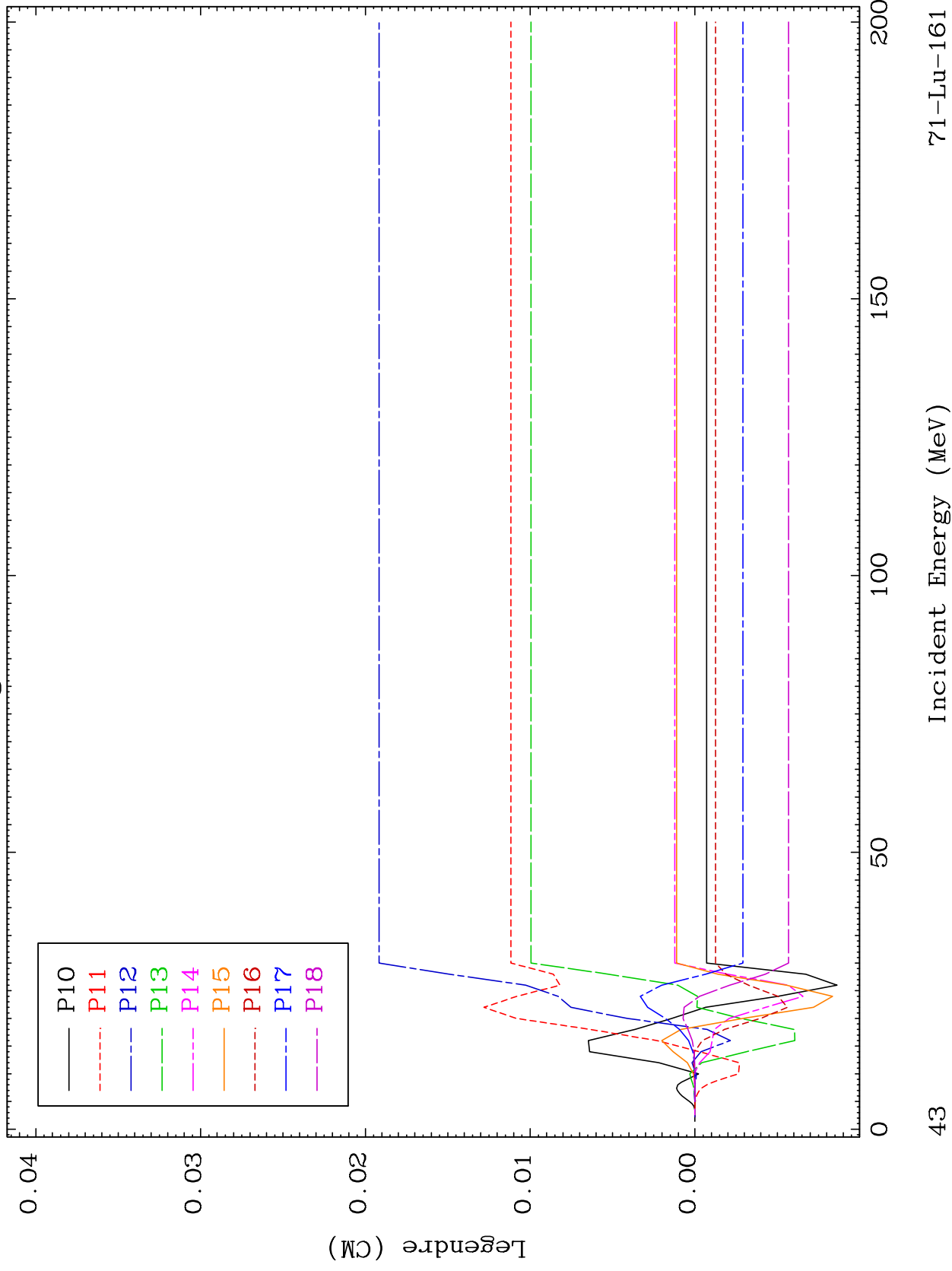




MAT 7083

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

71-Lu-161



71-Lu-161

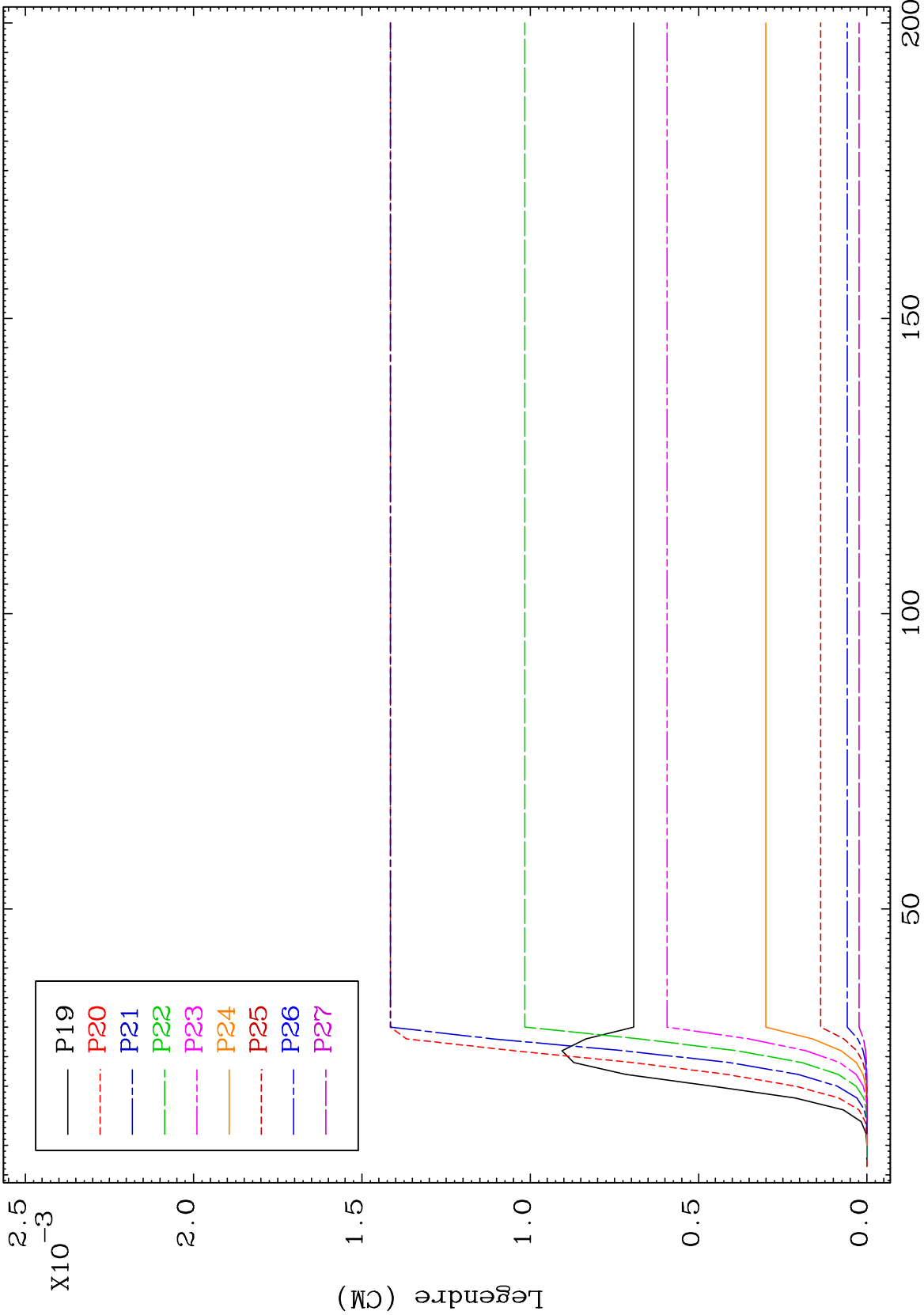
Incident Energy (MeV)

43

MAT 7083

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

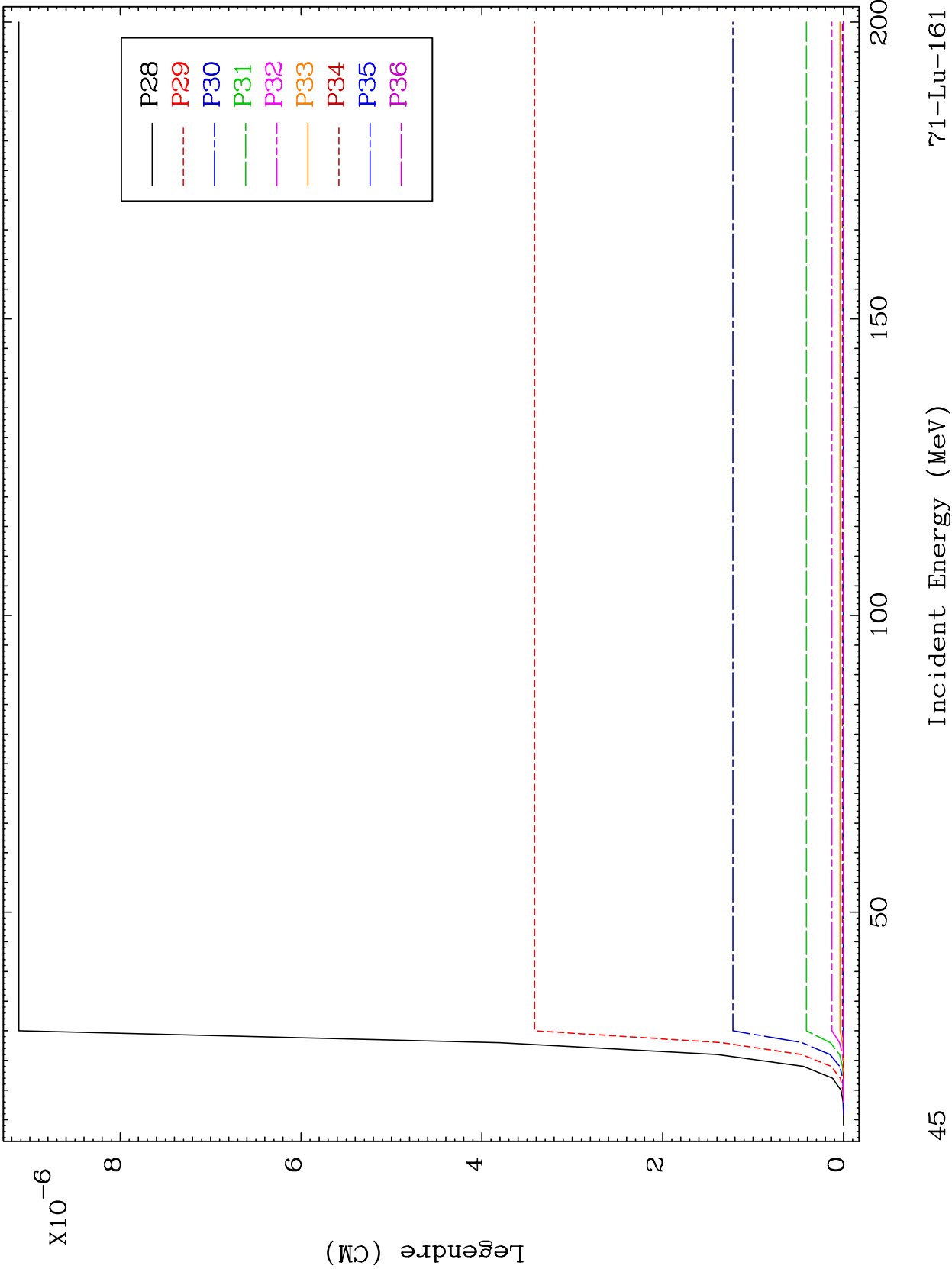
71-Lu-161



MAT 7083

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

71-Lu-161



45

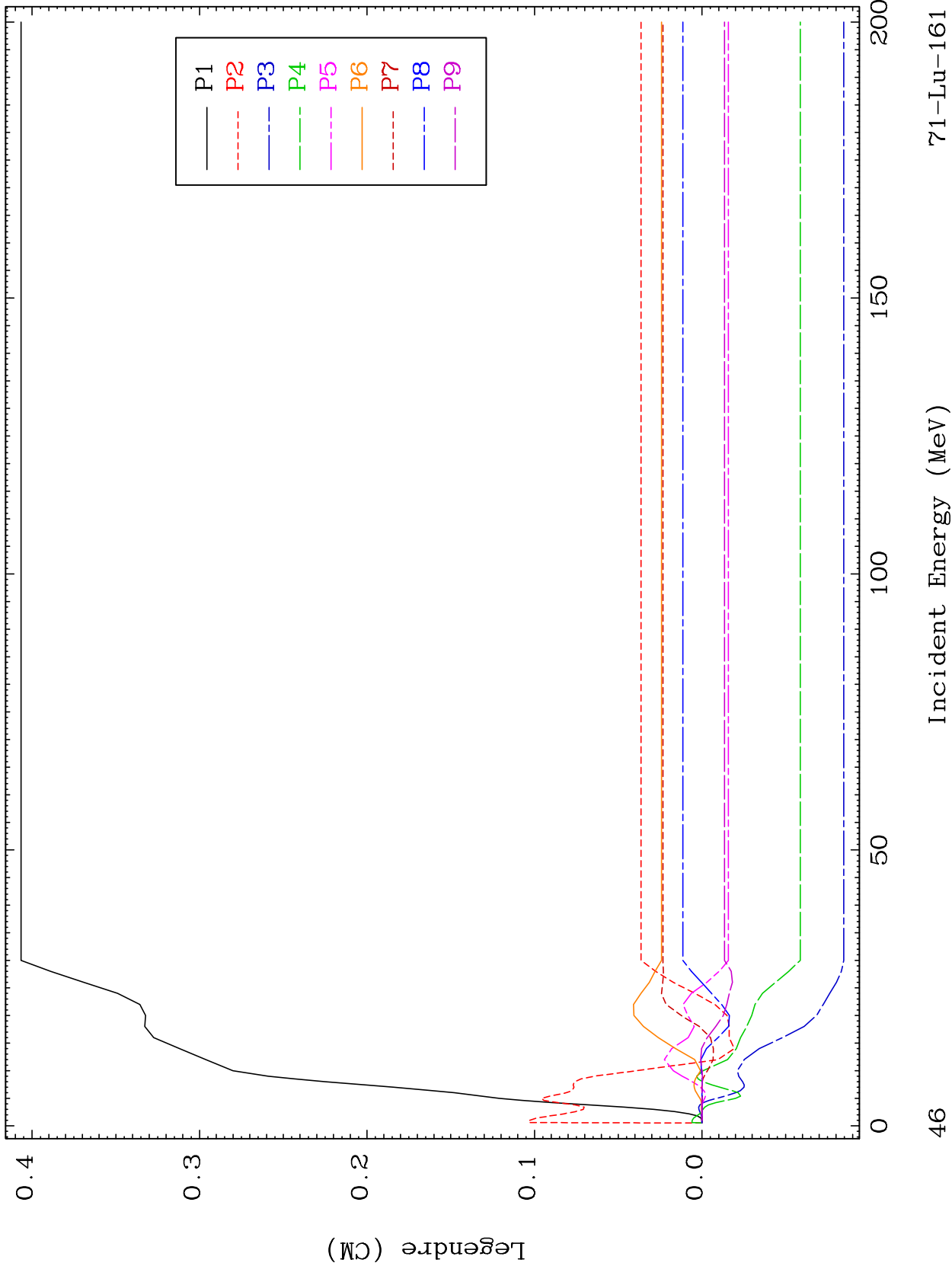
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

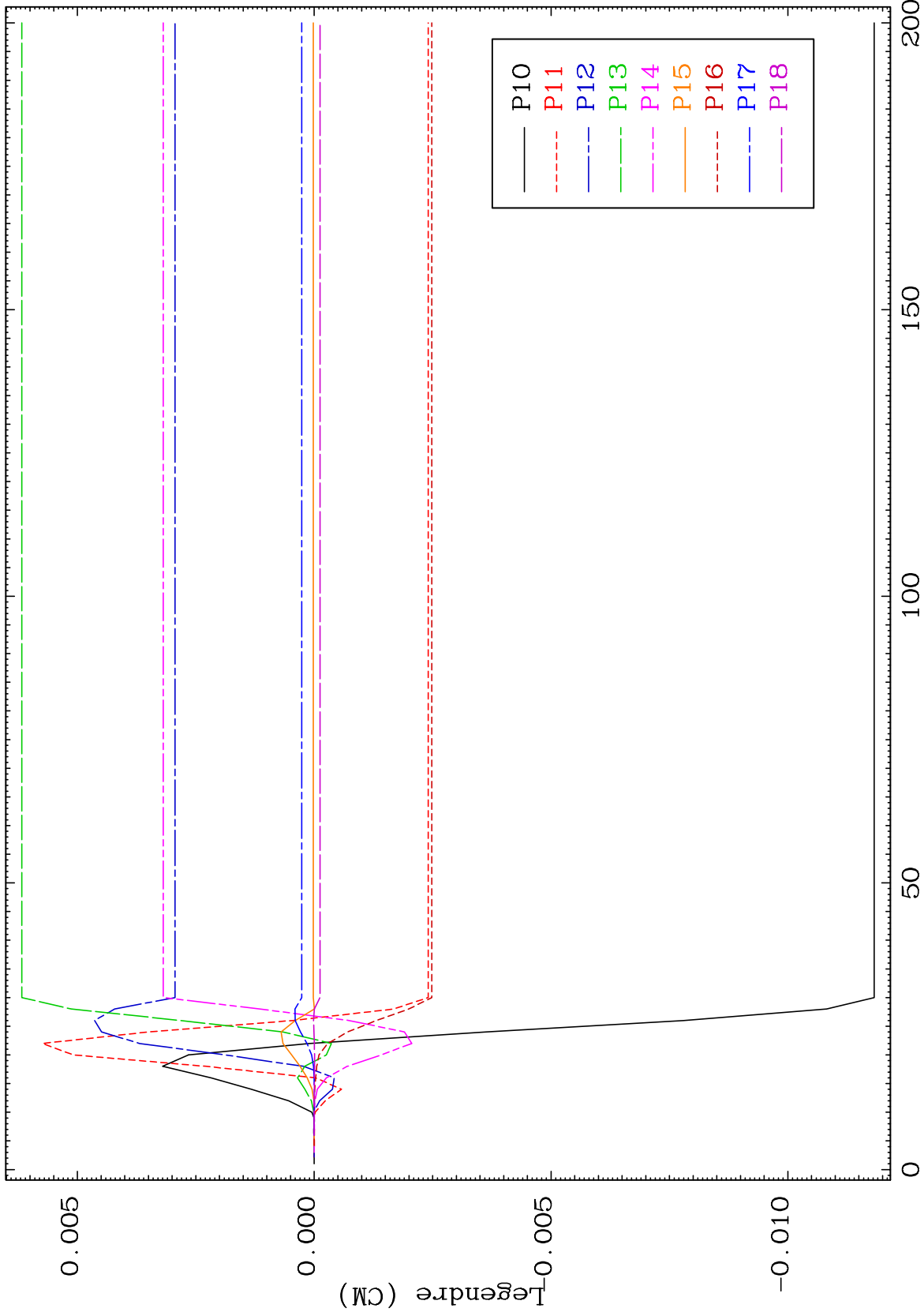
Incident Energy (MeV)

46

MAT 7083

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

71-Lu-161



47

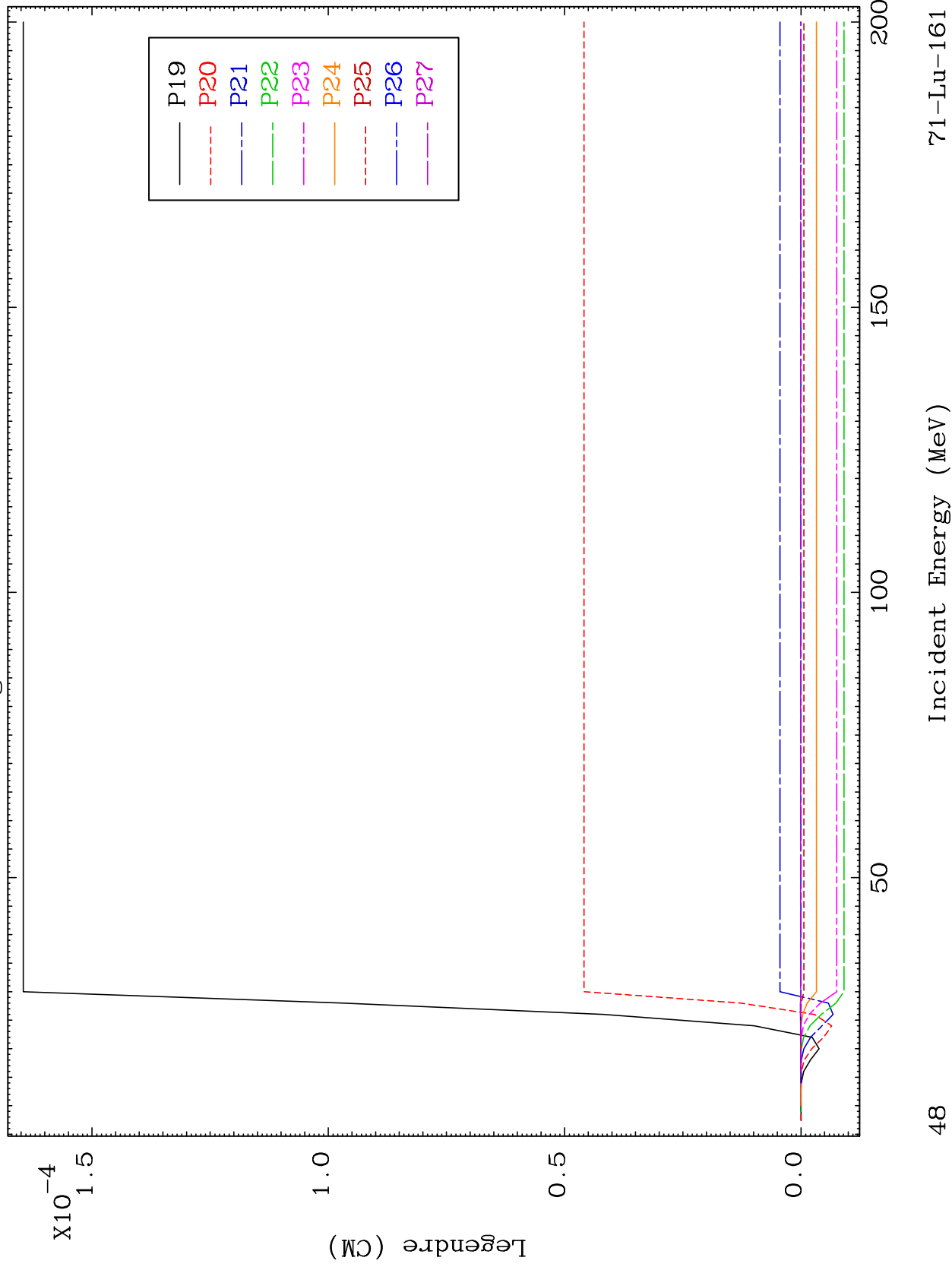
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



48

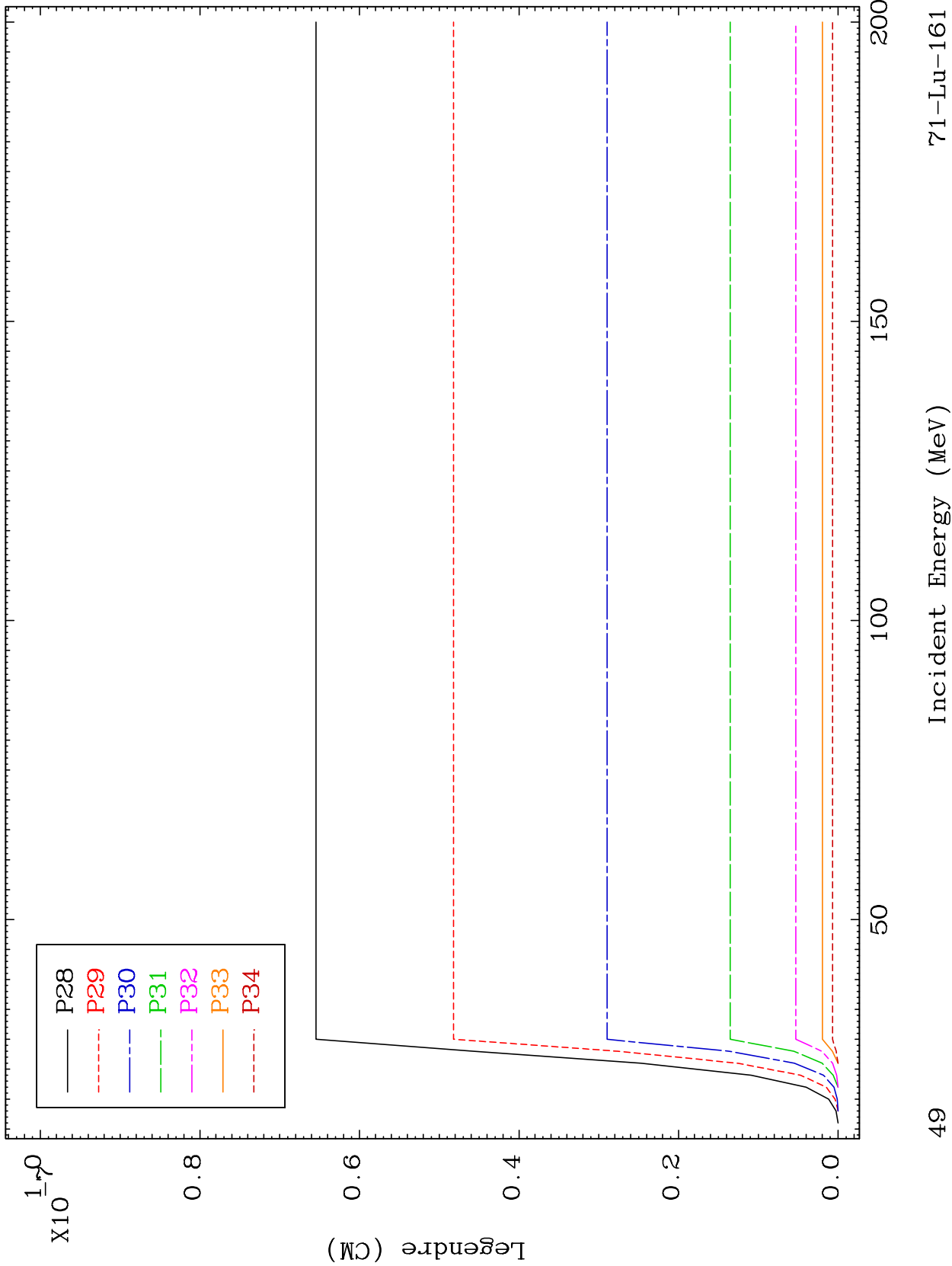
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



49

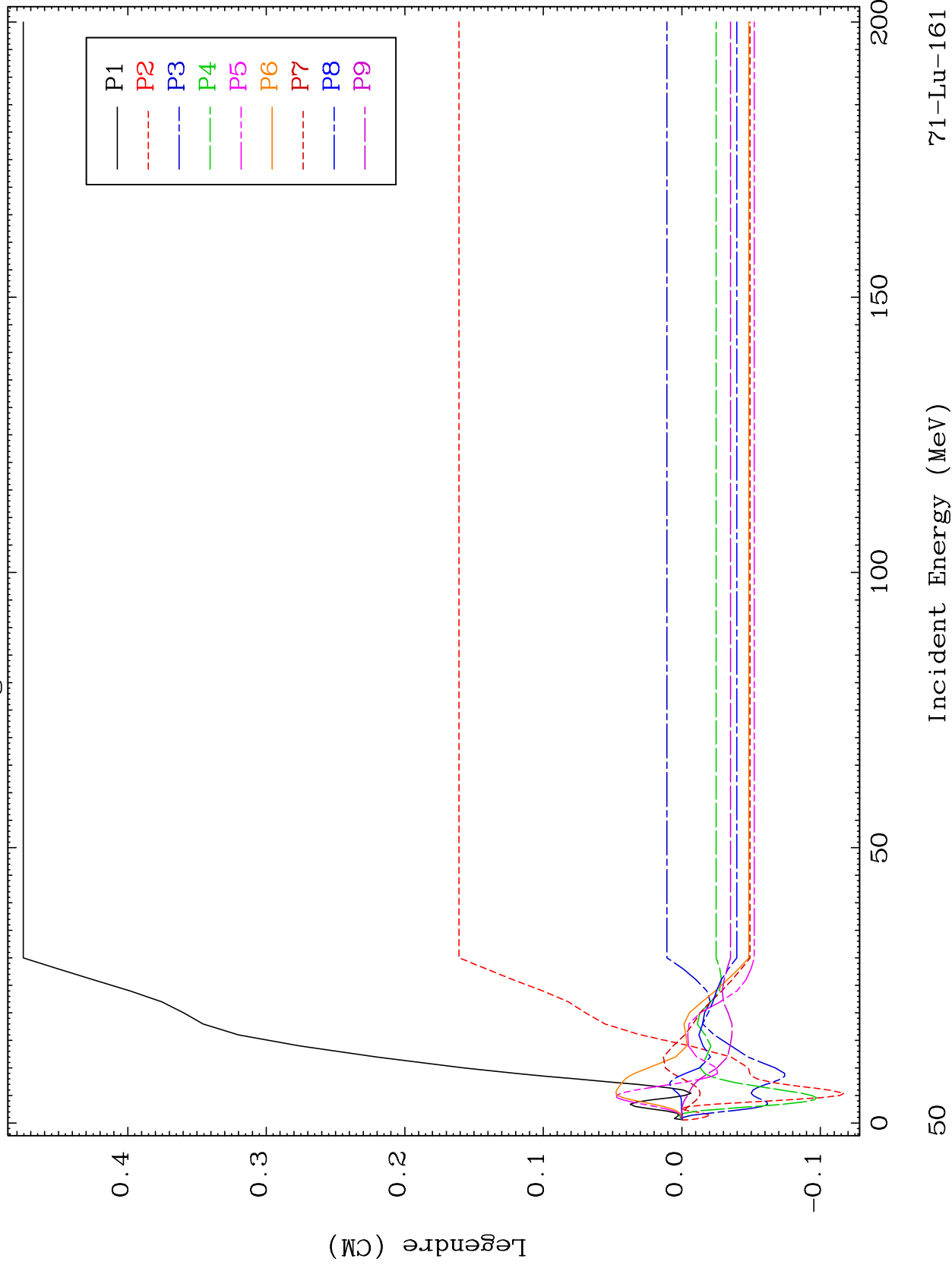
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

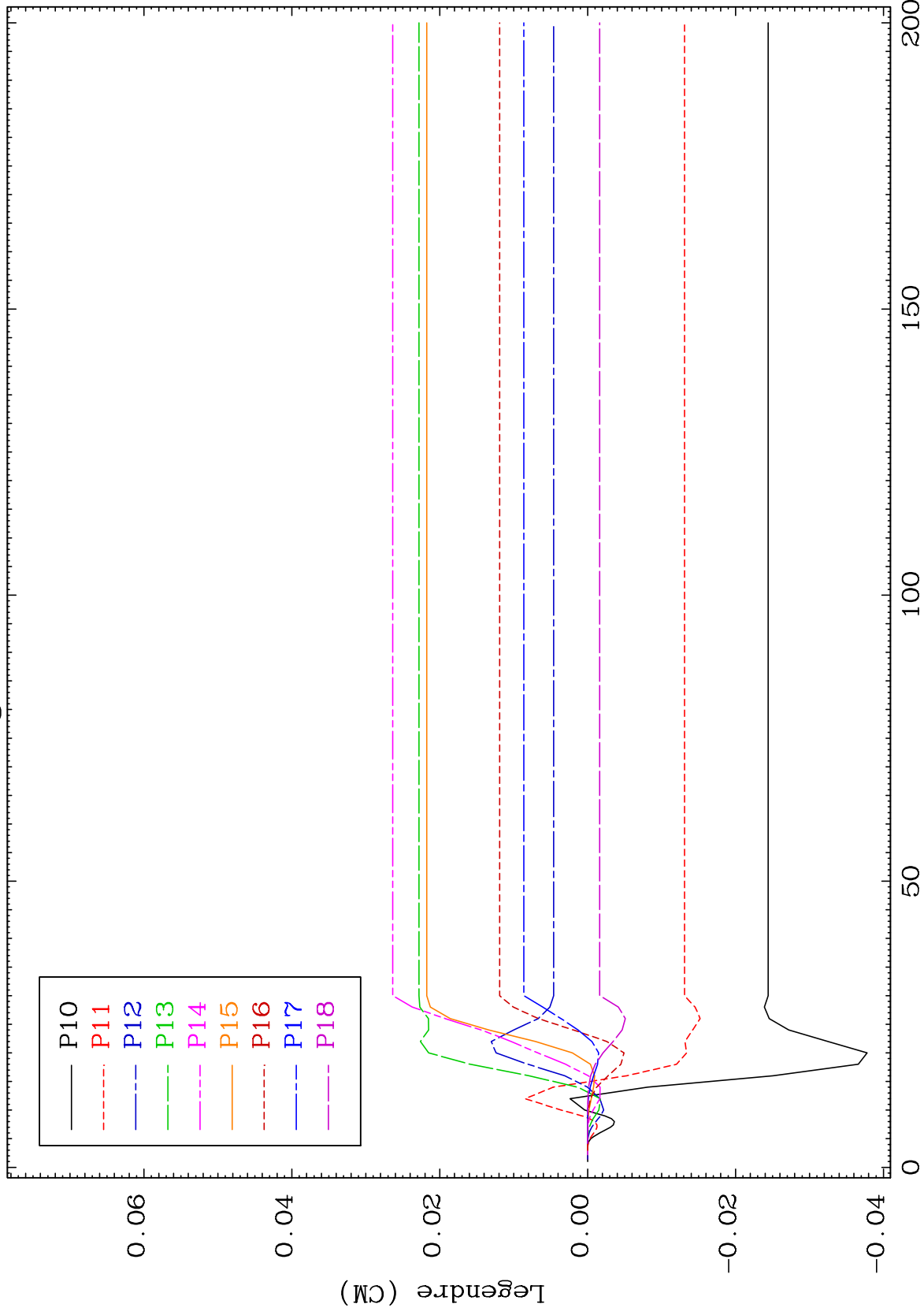
Incident Energy (MeV)

50

MAT 7083

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

71-Lu-161



51

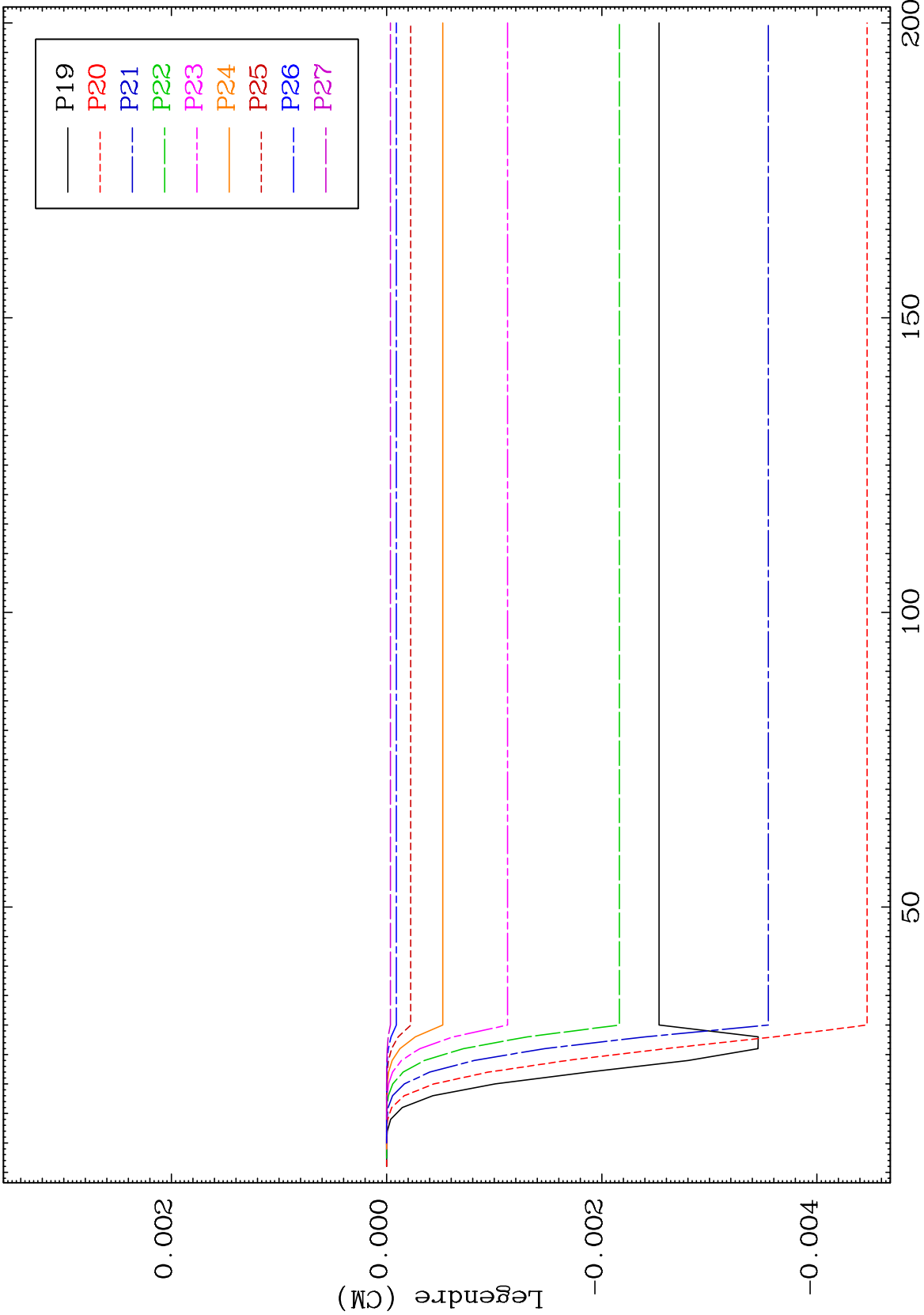
Incident Energy (MeV)

71-Lu-161

MAT 7083

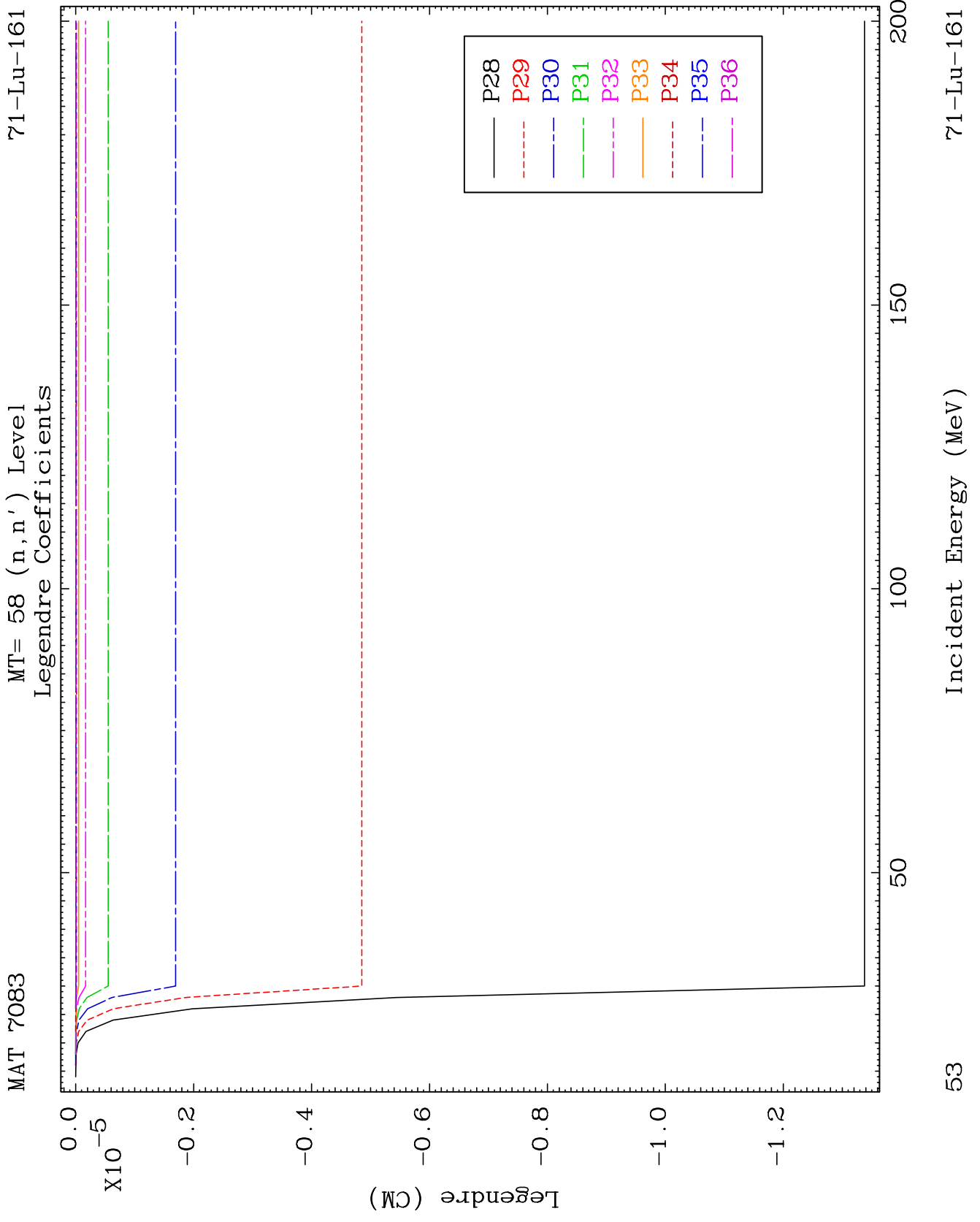
MT= 58 (n,n') Level
Legendre Coefficients

71-Lu-161



52

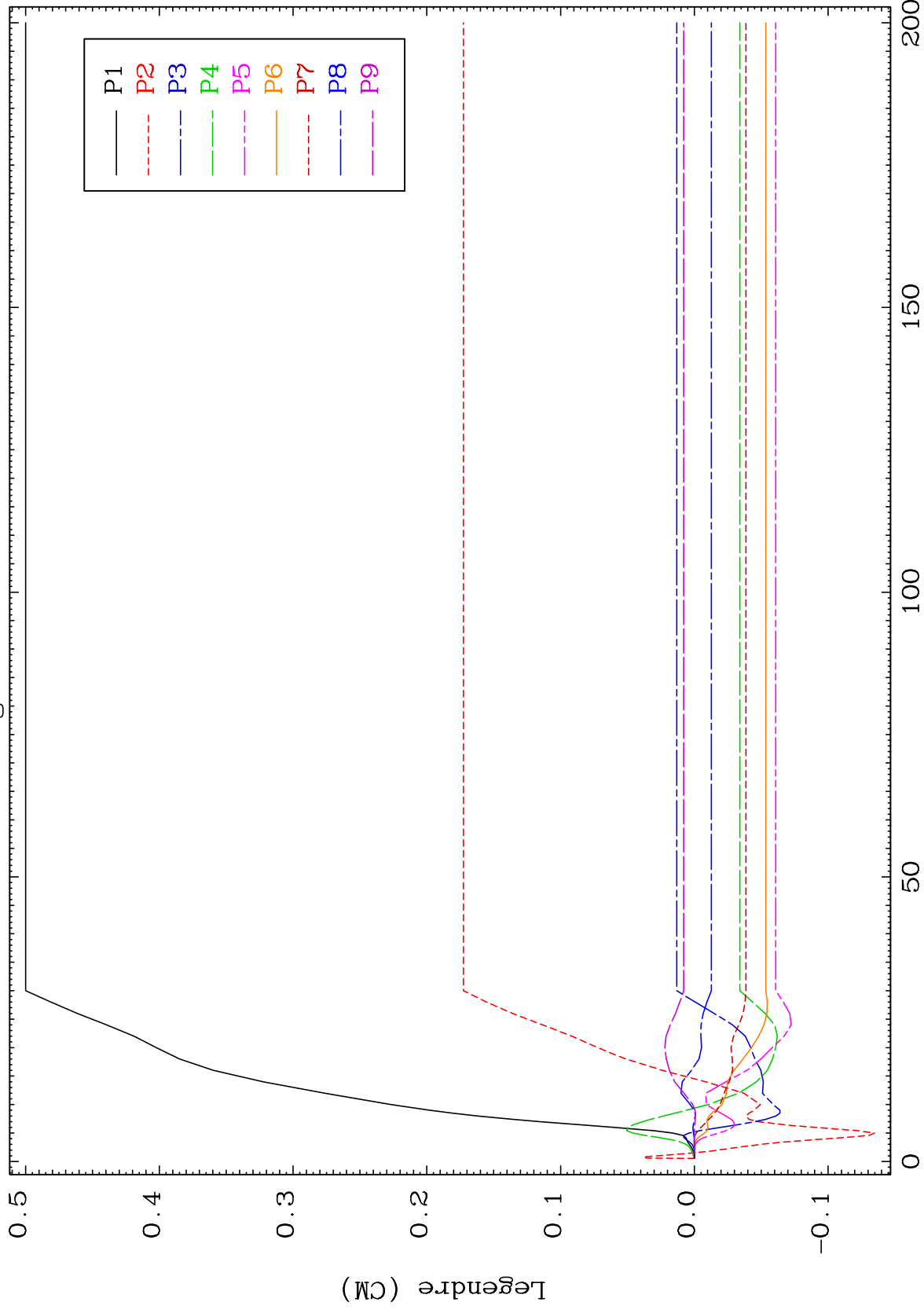
71-Lu-161



MAT 7083

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

71-Lu-161



54

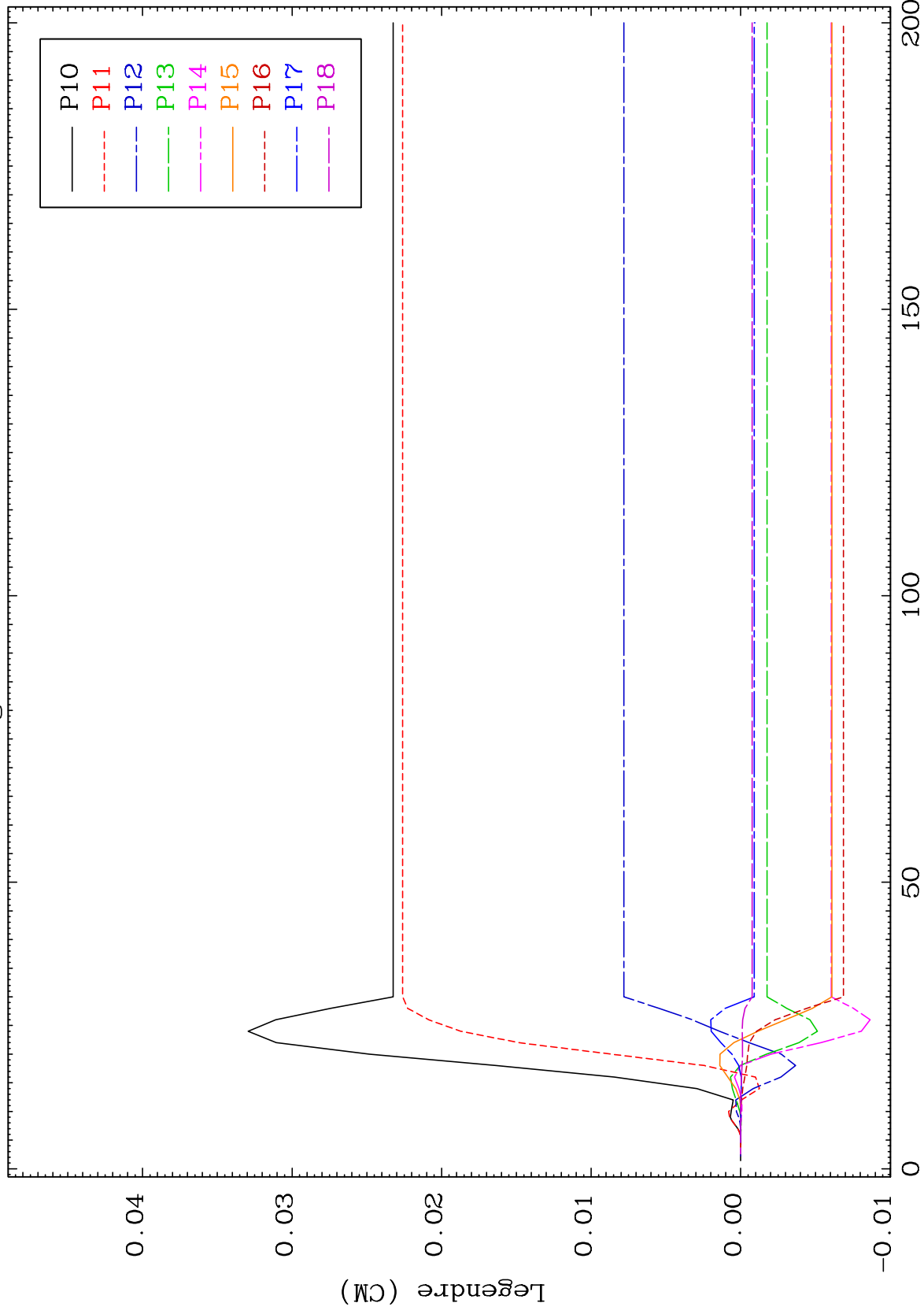
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

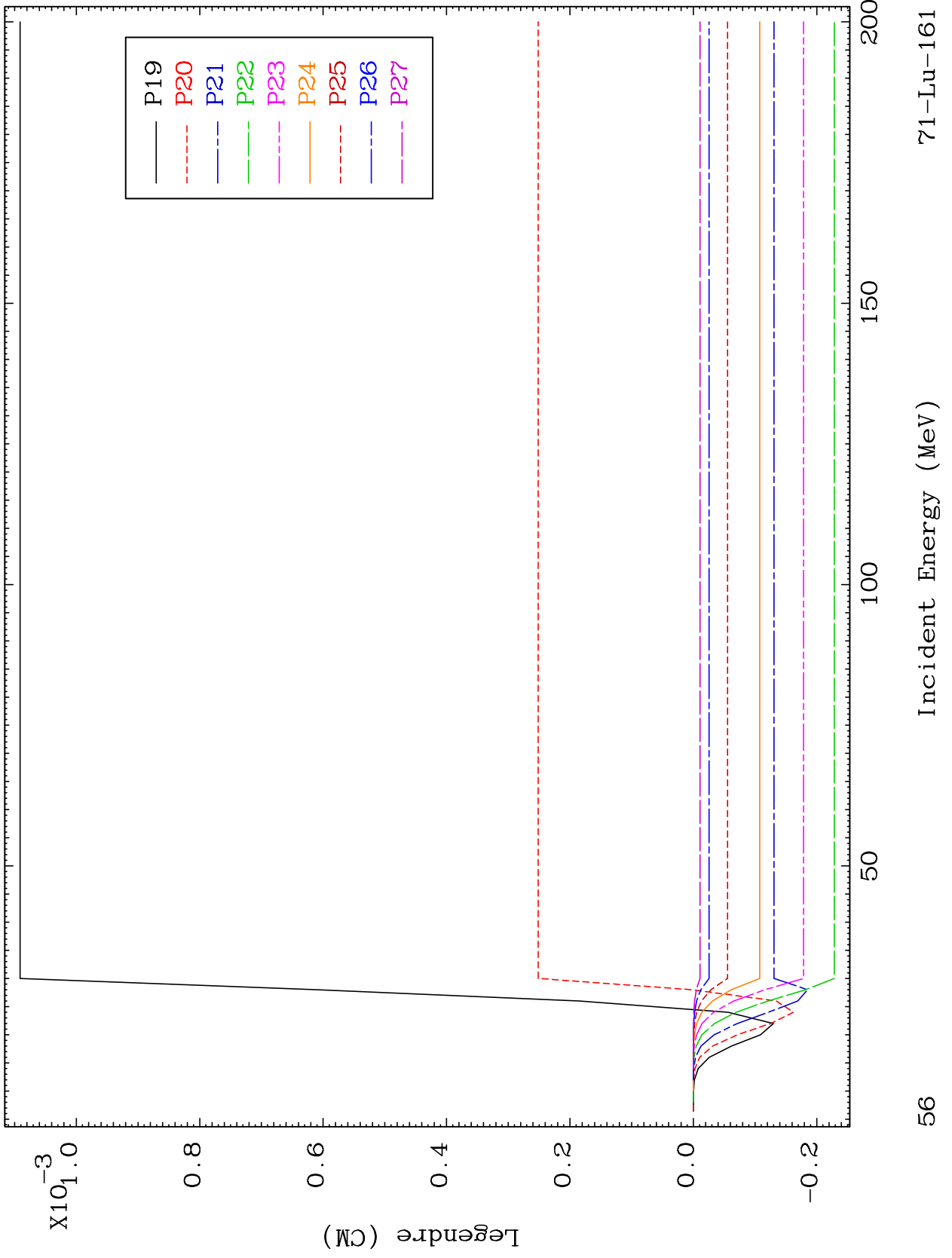
71-Lu-161

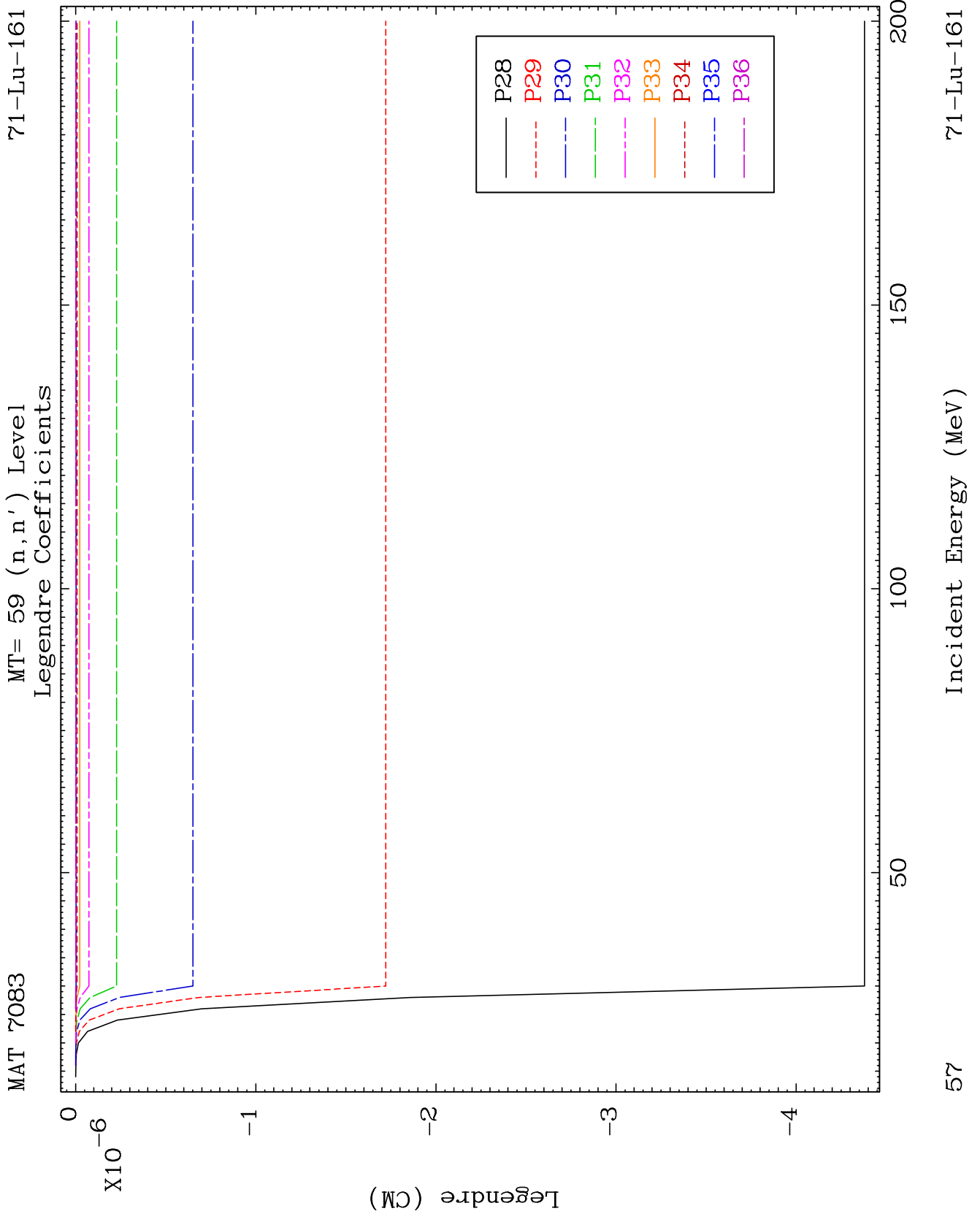


55

Incident Energy (MeV)

71-Lu-161

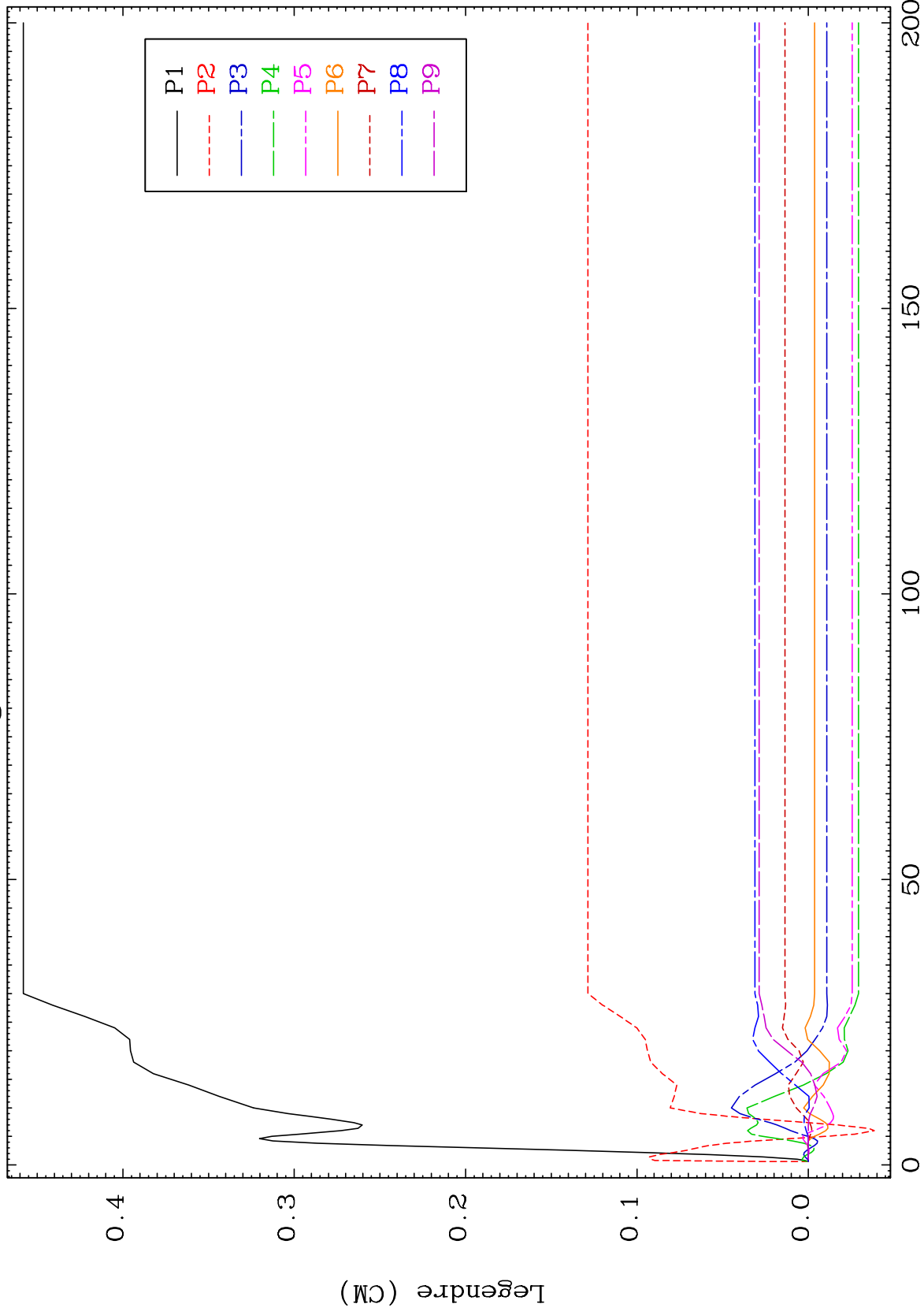




MAT 7083

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

71-Lu-161



58

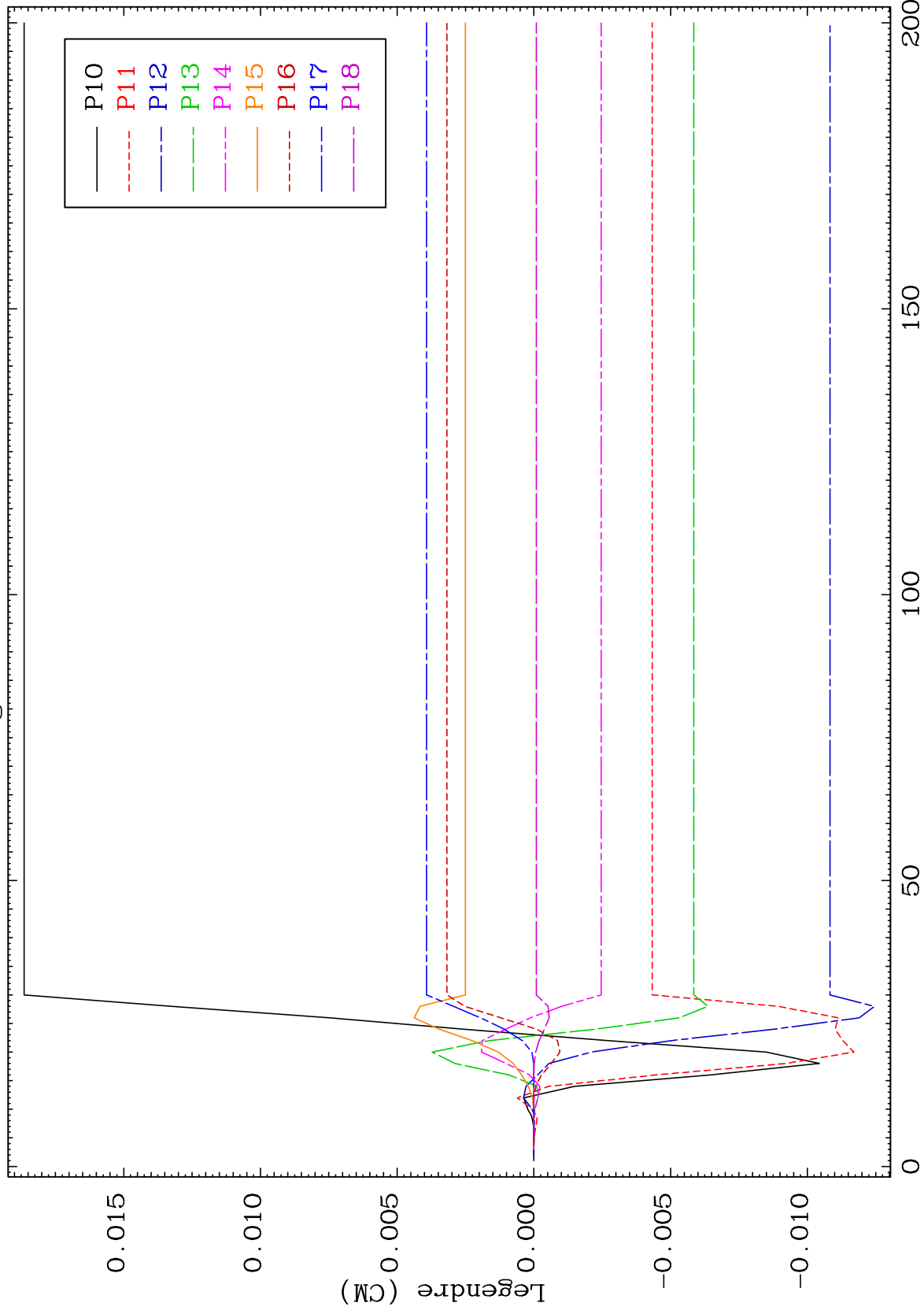
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

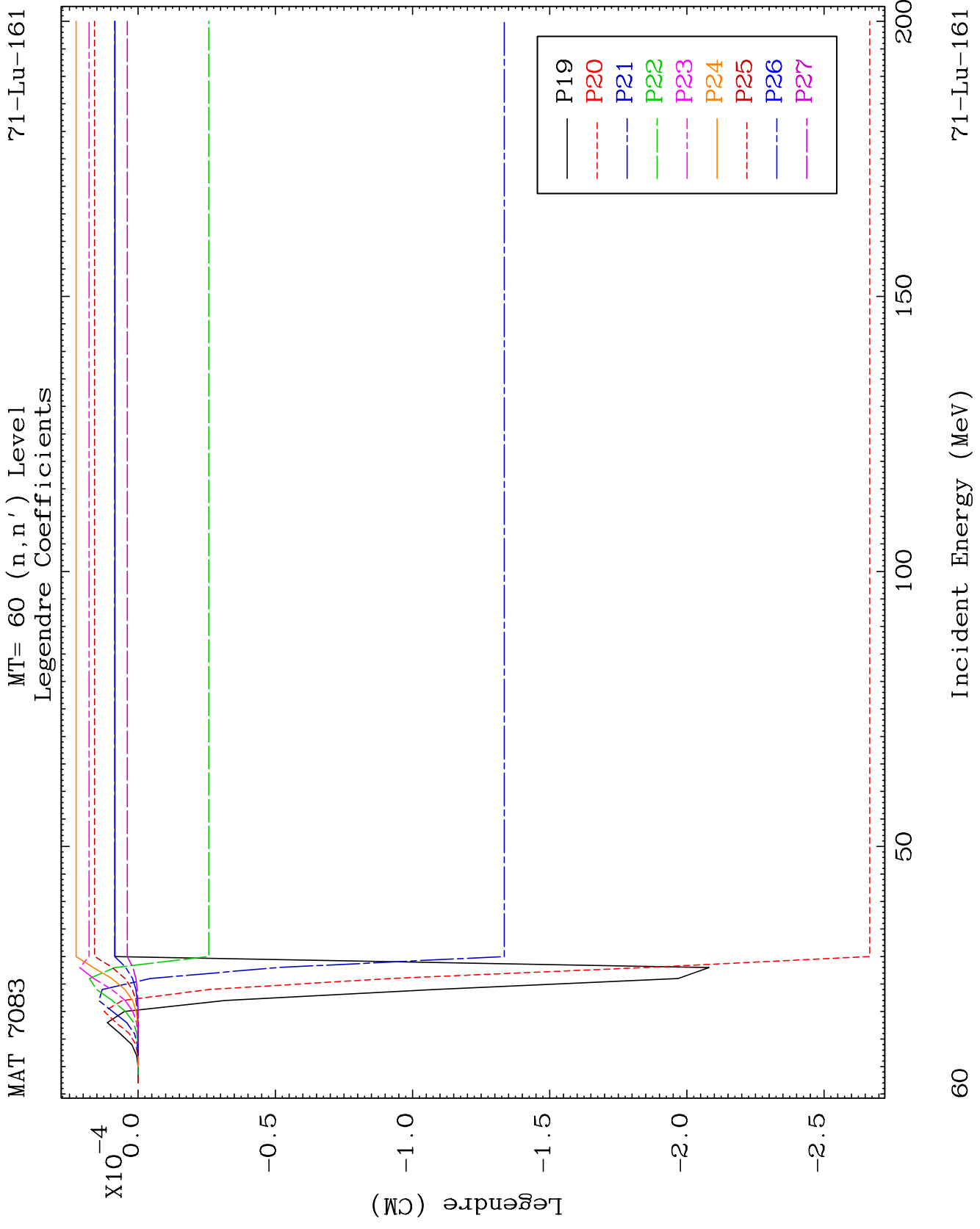
71-Lu-161



59

Incident Energy (MeV)

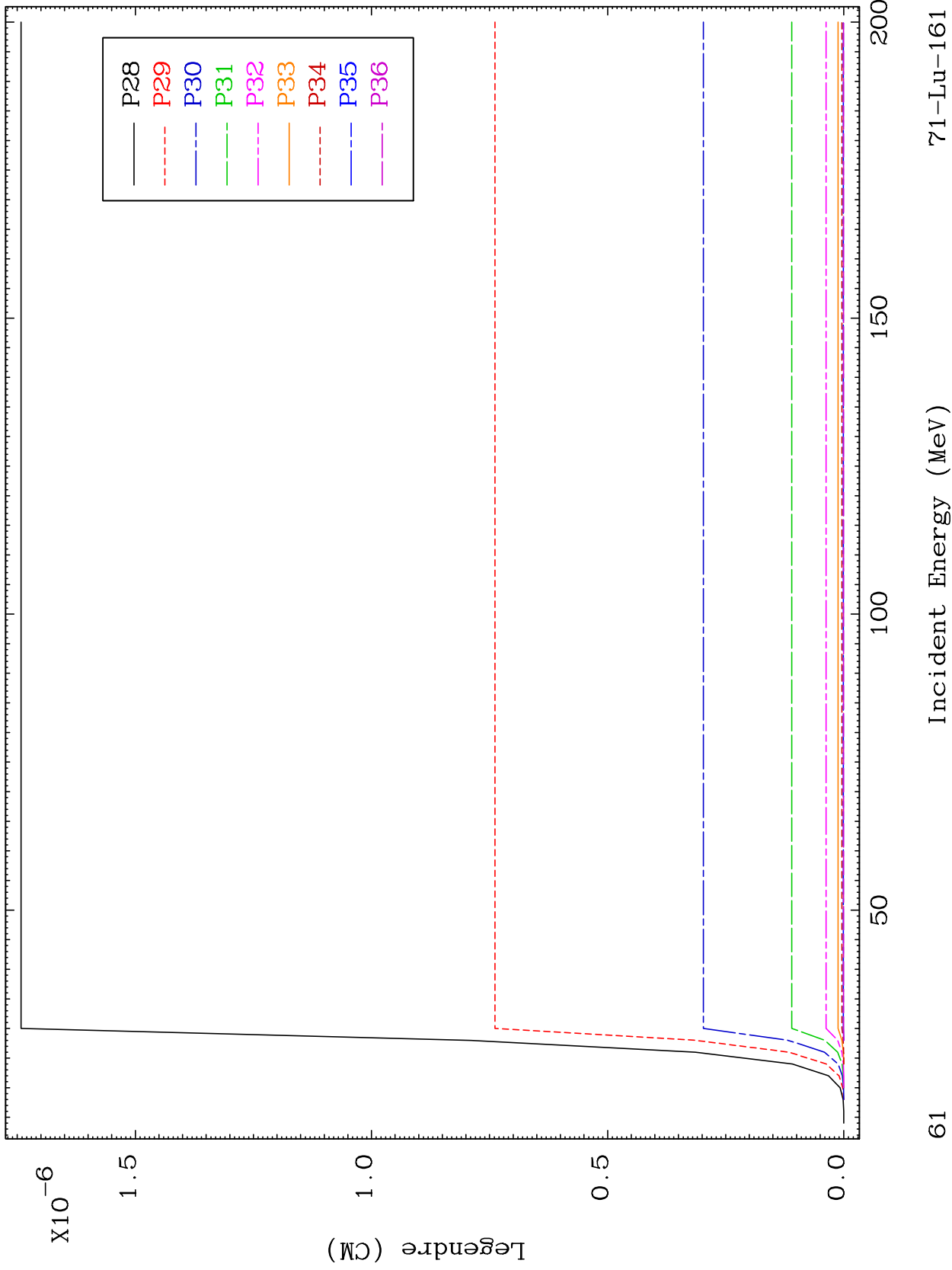
71-Lu-161



MAT 7083

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

71-Lu-161



61

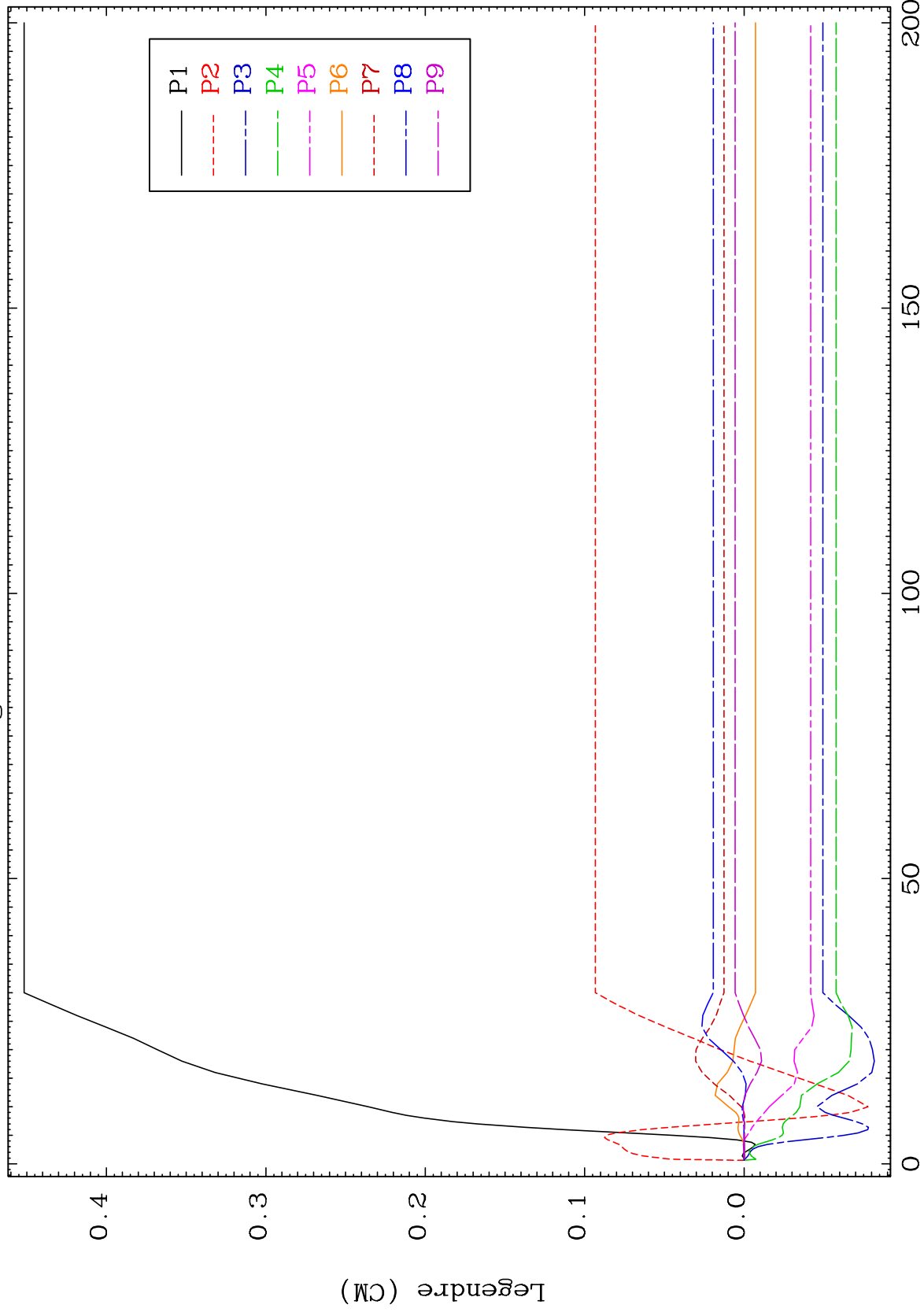
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

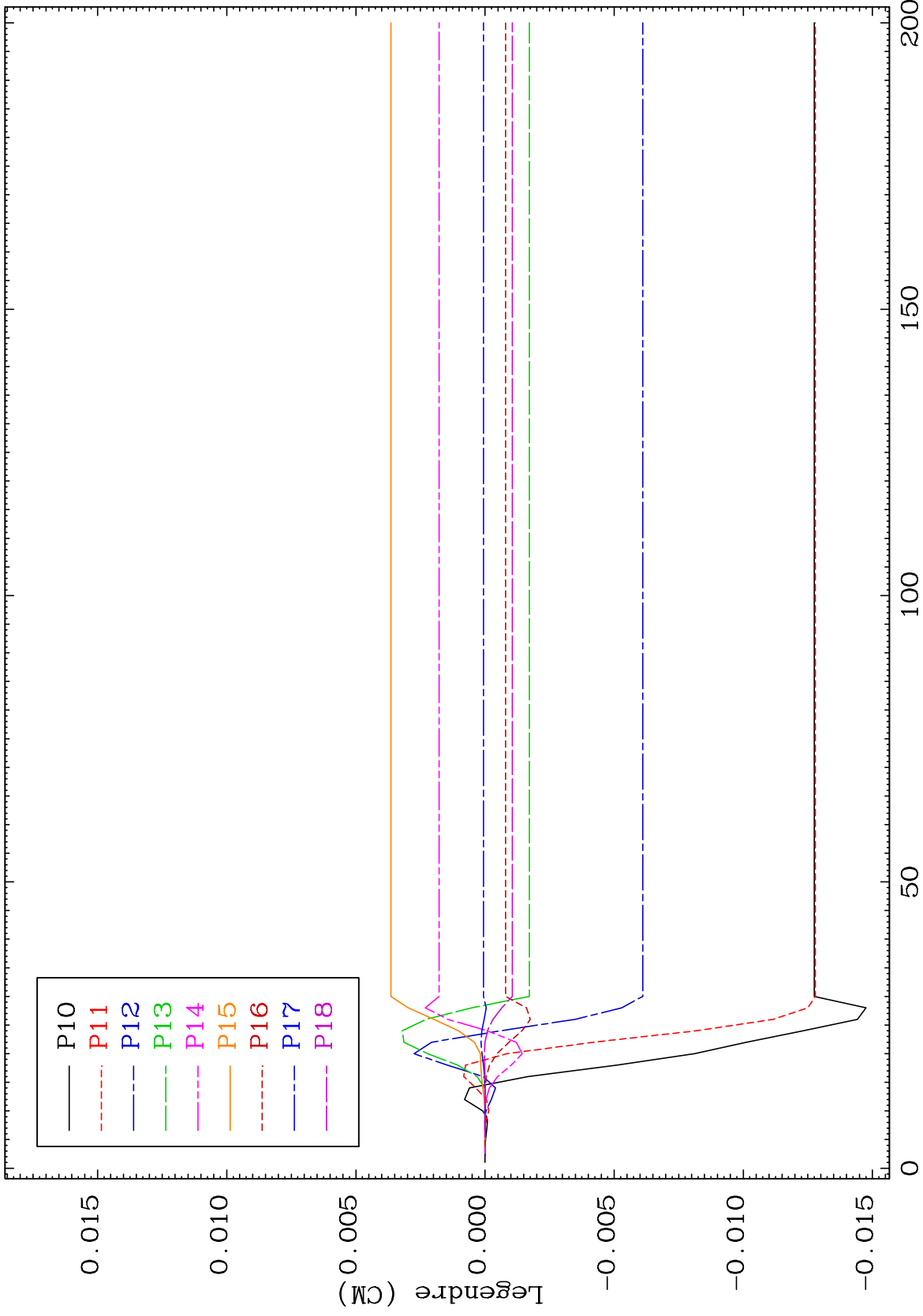
Incident Energy (MeV)

62

MAT 7083

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

71-Lu-161



63

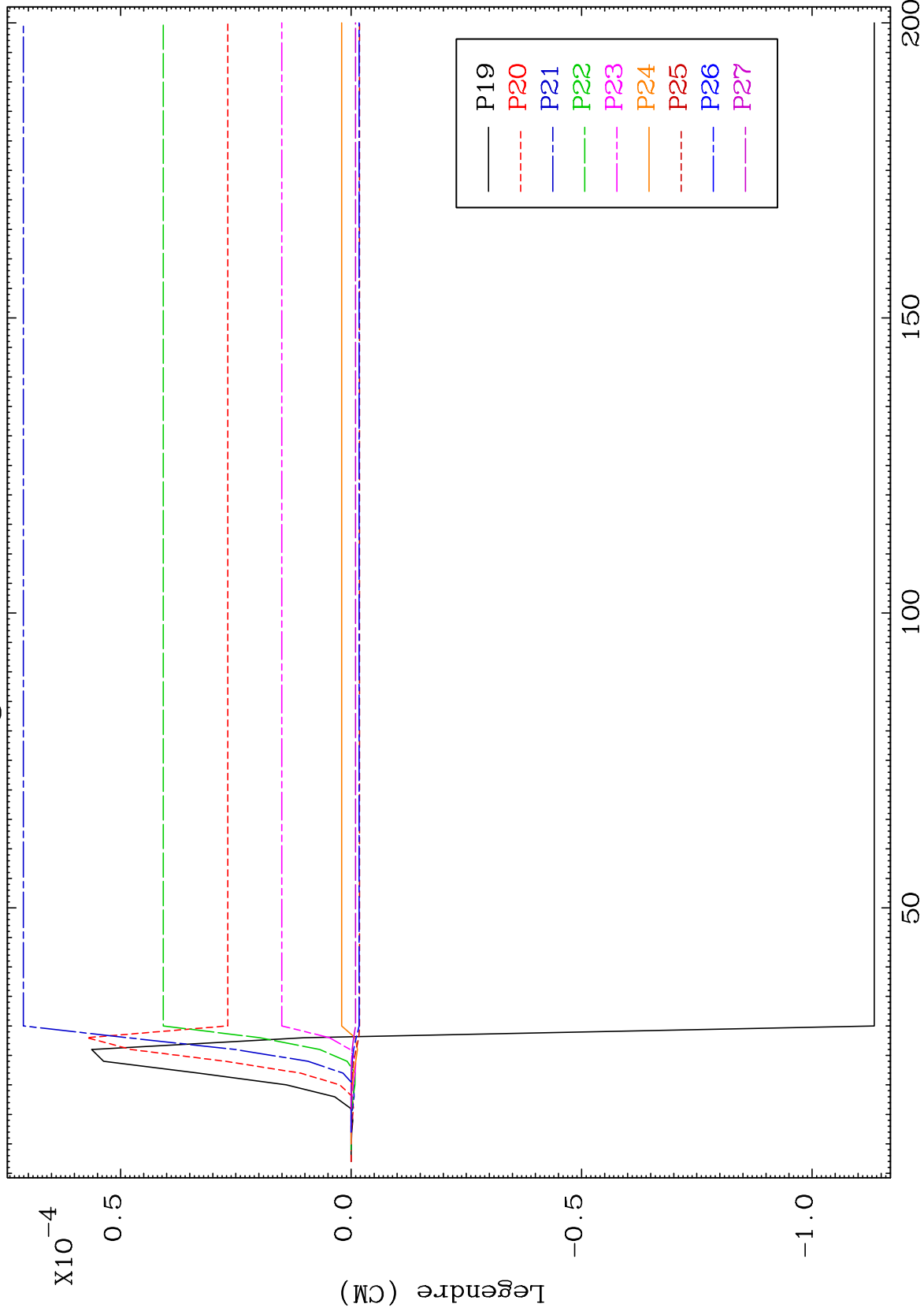
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

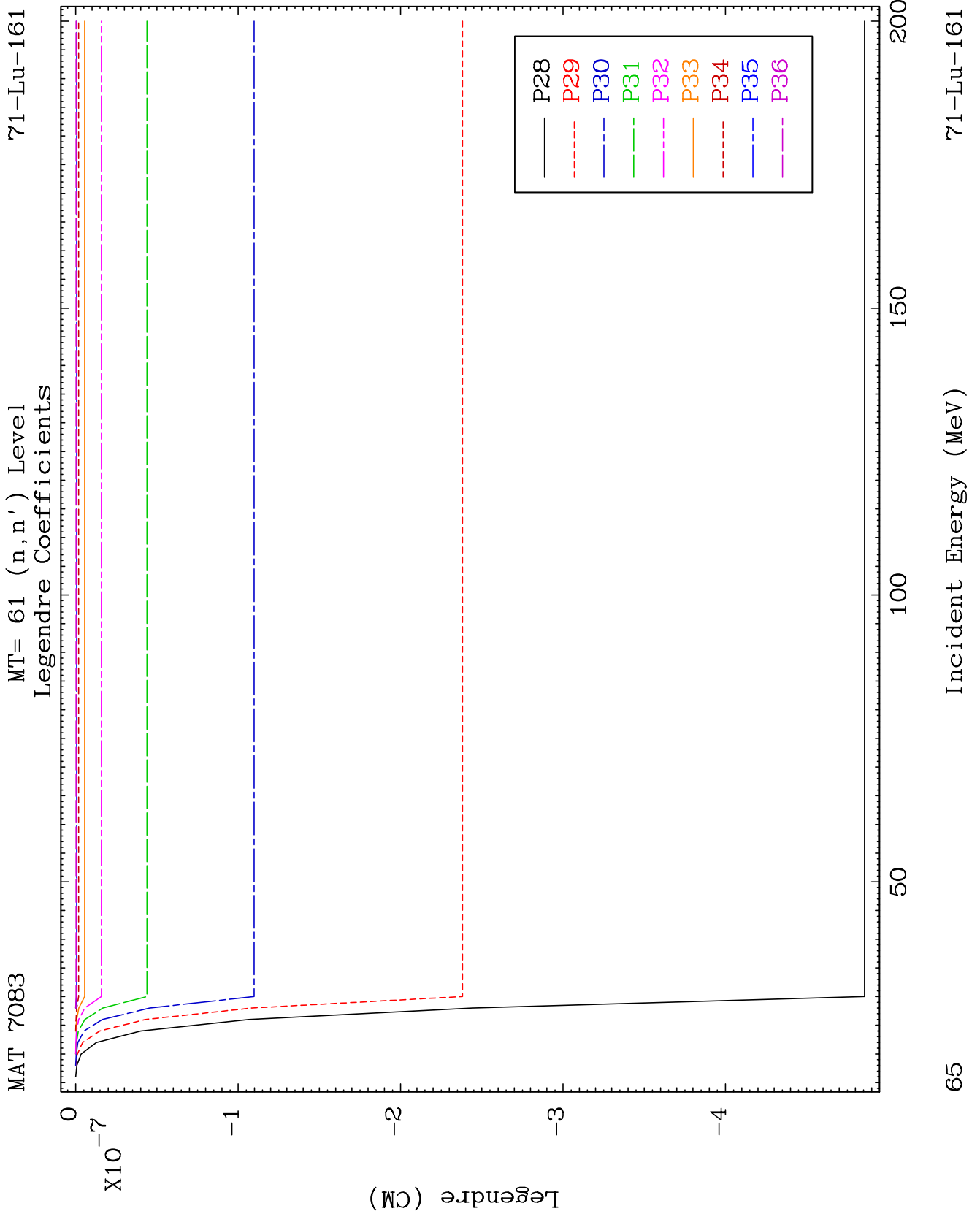
71-Lu-161

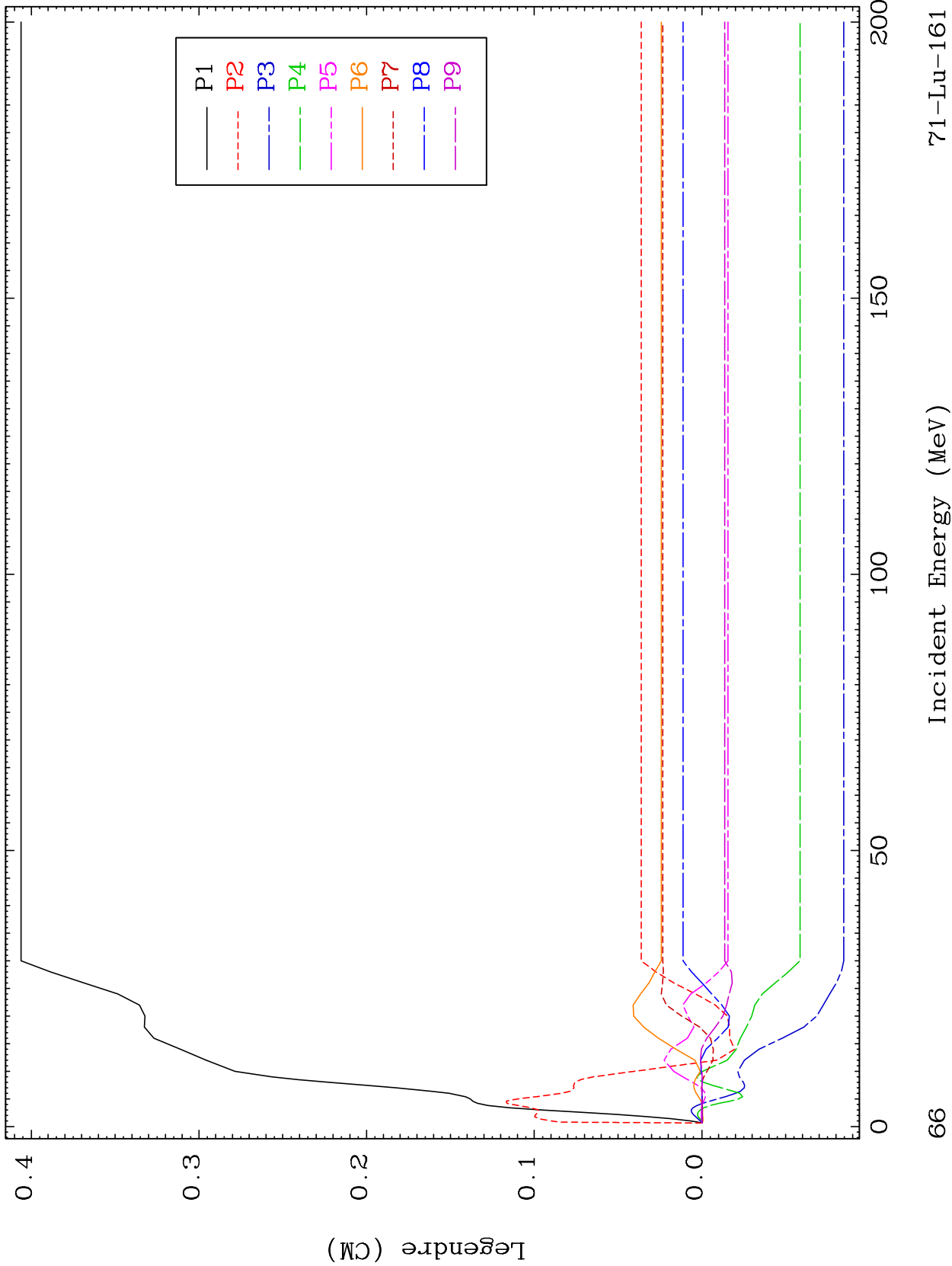


64

Incident Energy (MeV)

71-Lu-161

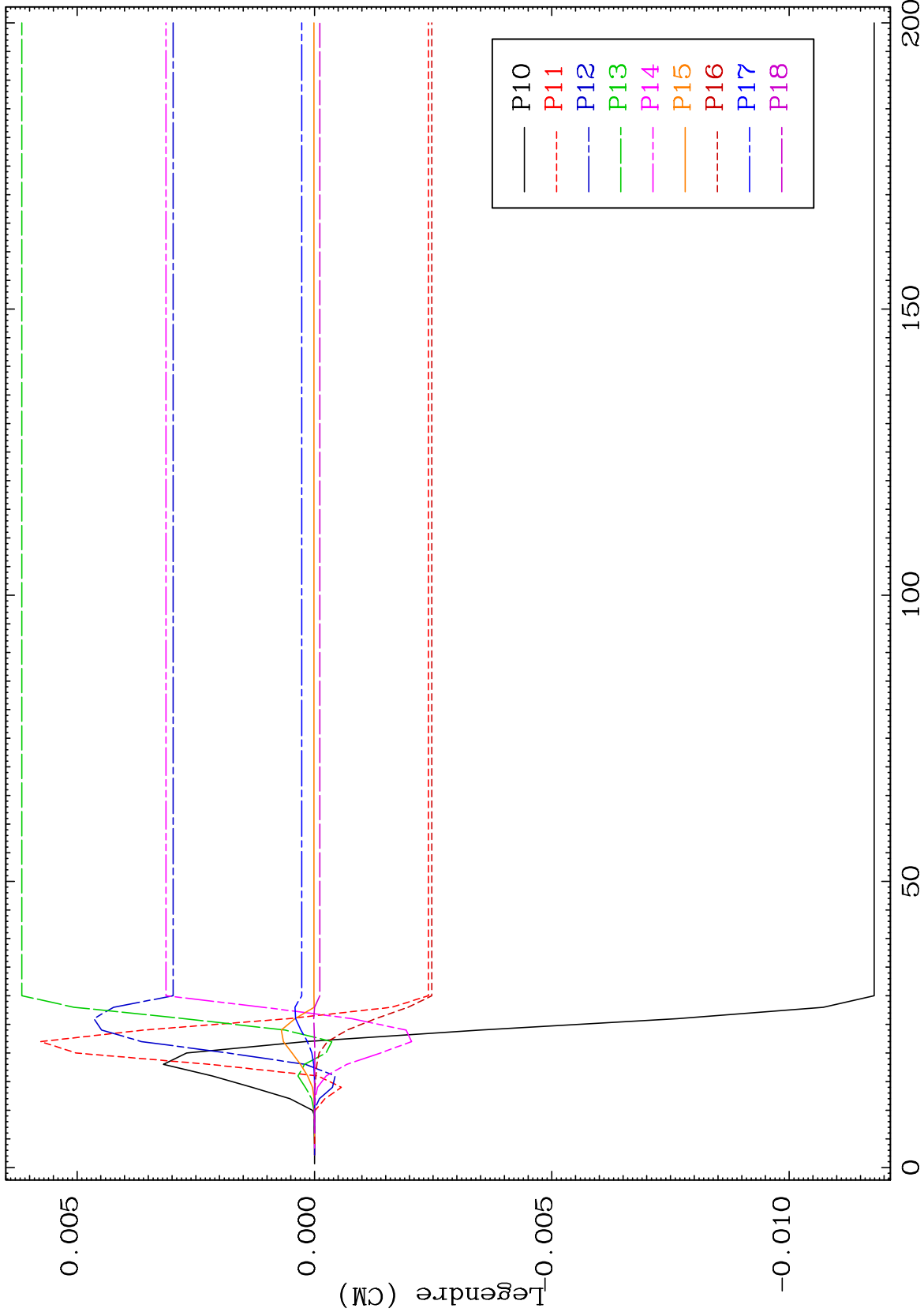




MAT 7083

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

71-Lu-161



67

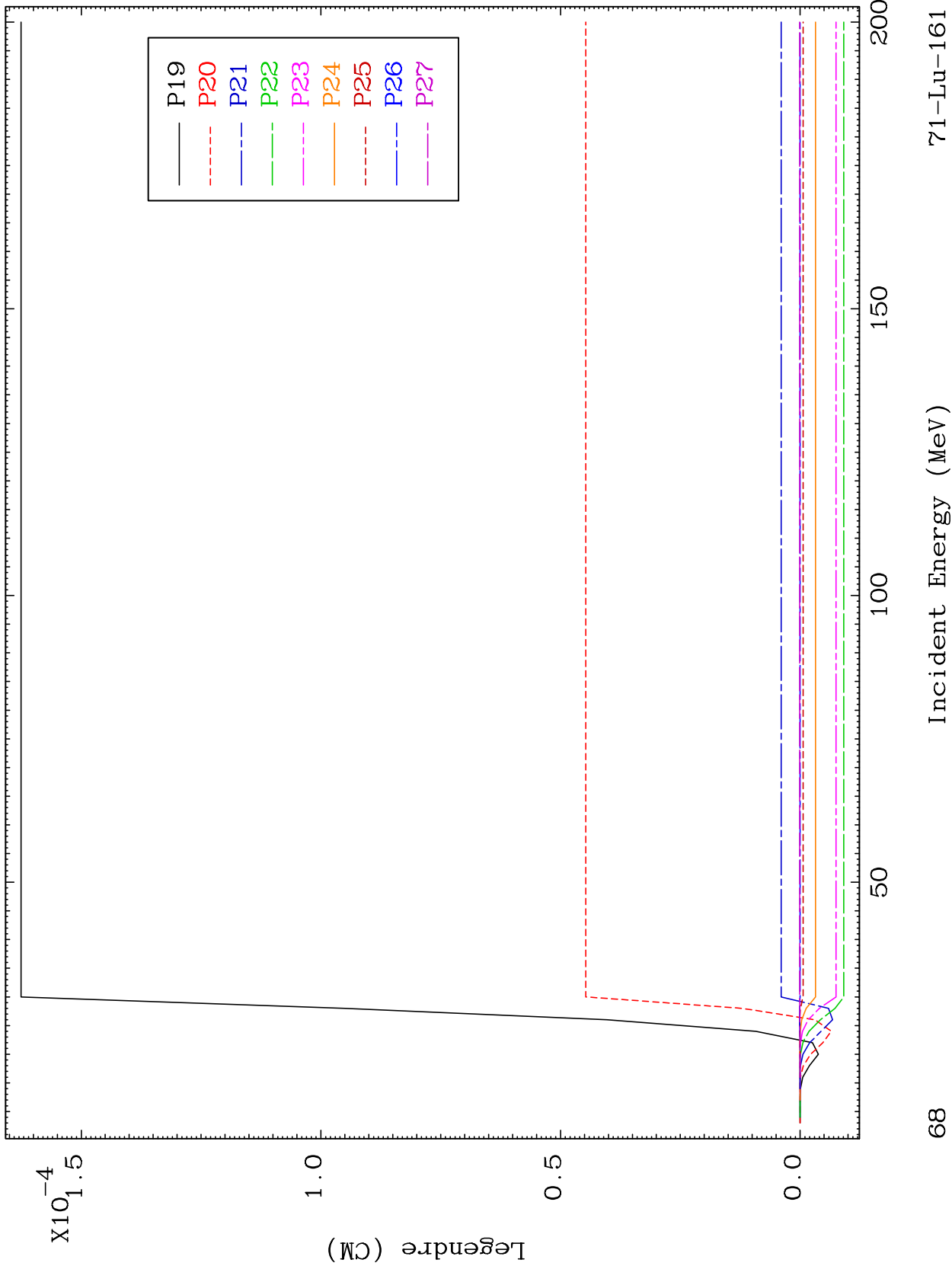
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



68

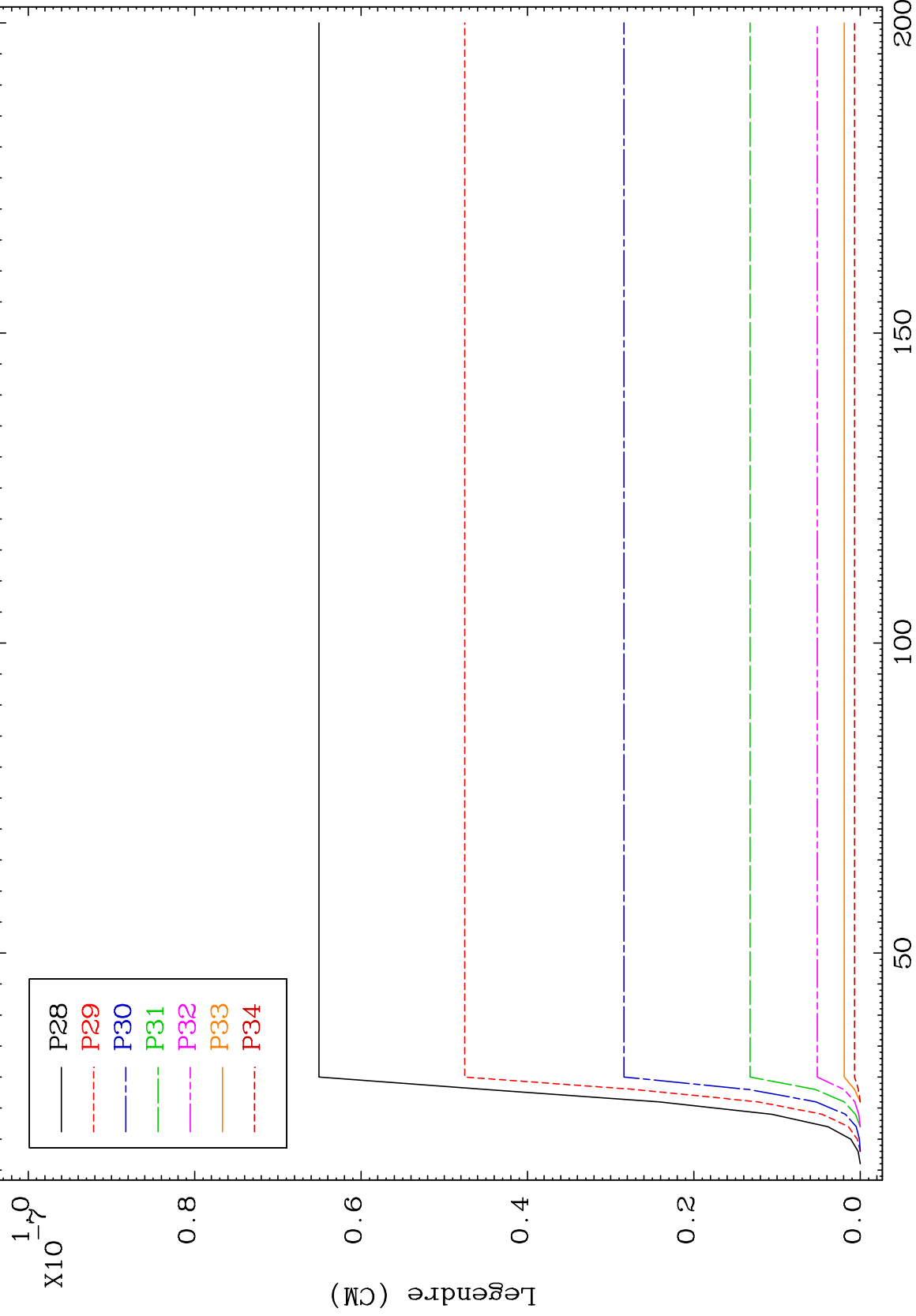
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

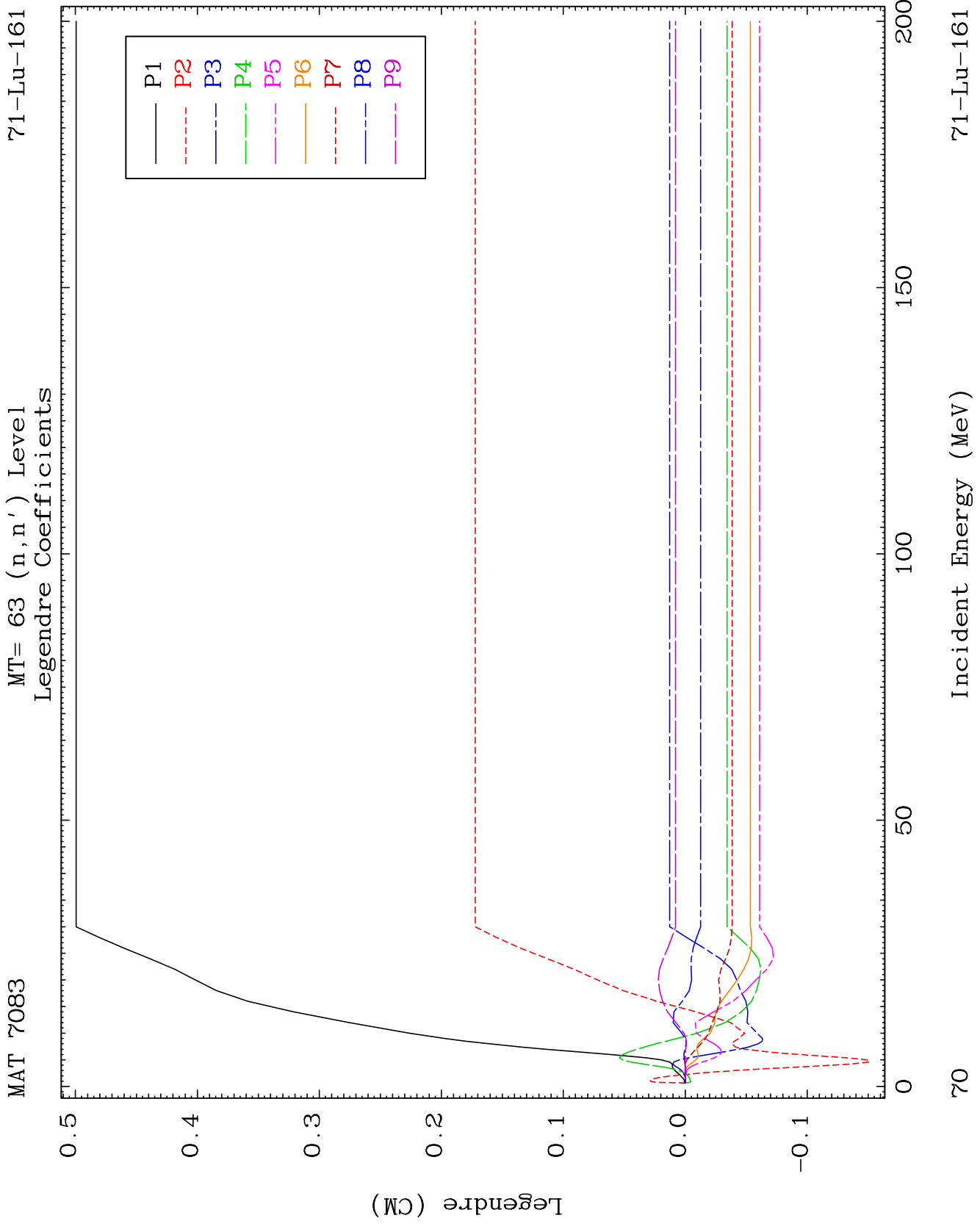
71-Lu-161



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Incident Energy (MeV)

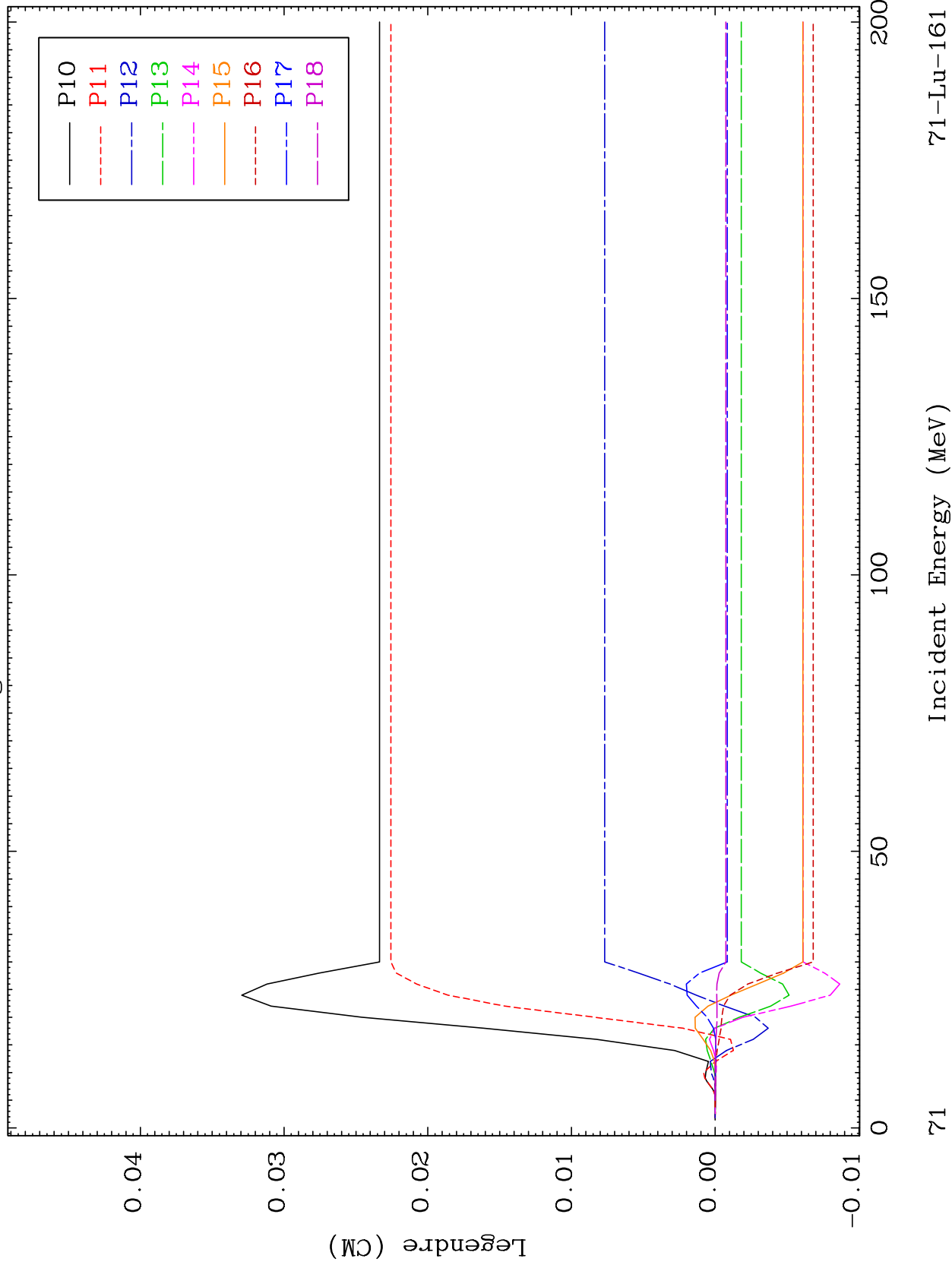
71-Lu-161



MAT 7083

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

71-Lu-161



71-Lu-161

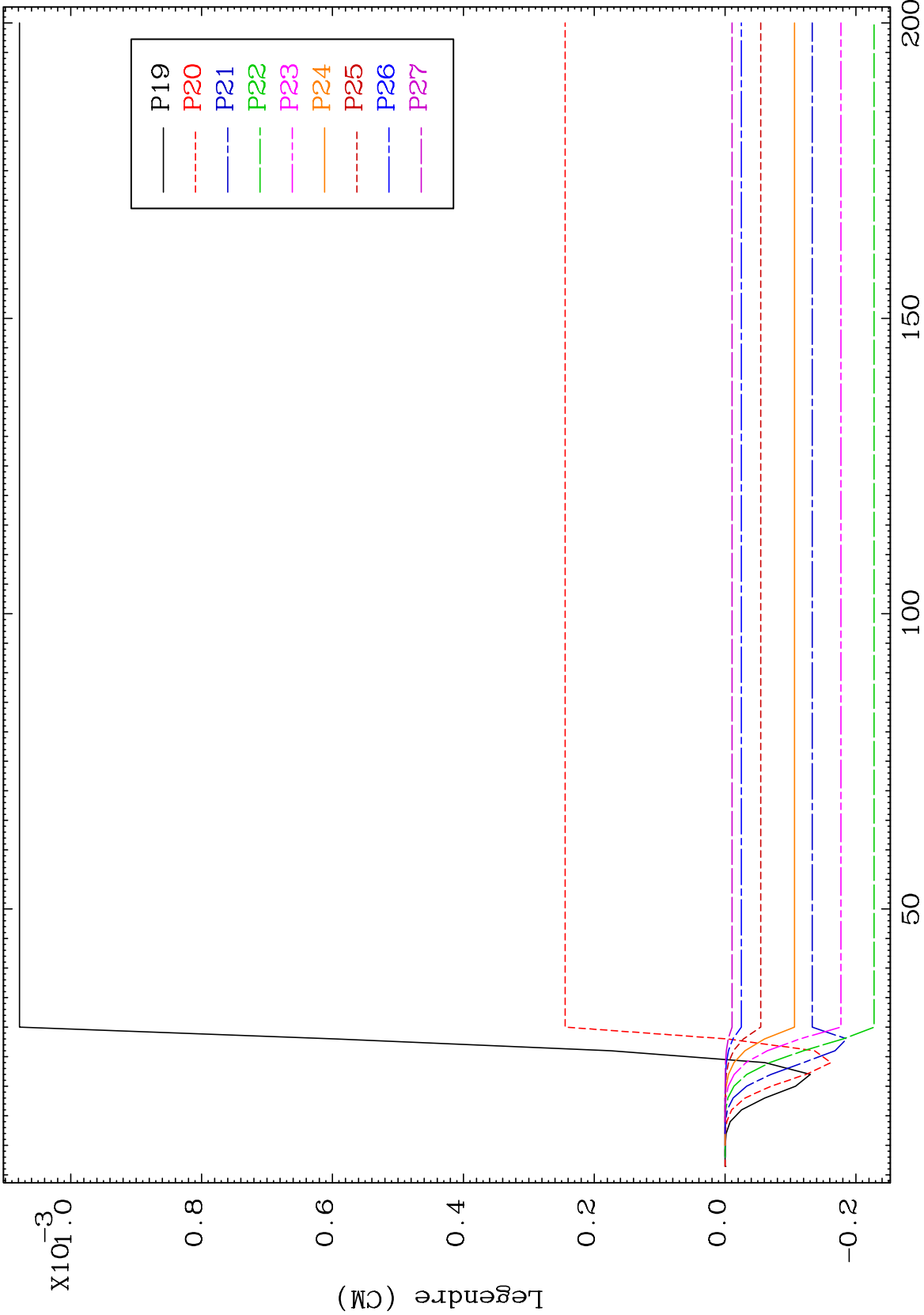
Incident Energy (MeV)

71

MAT 7083

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

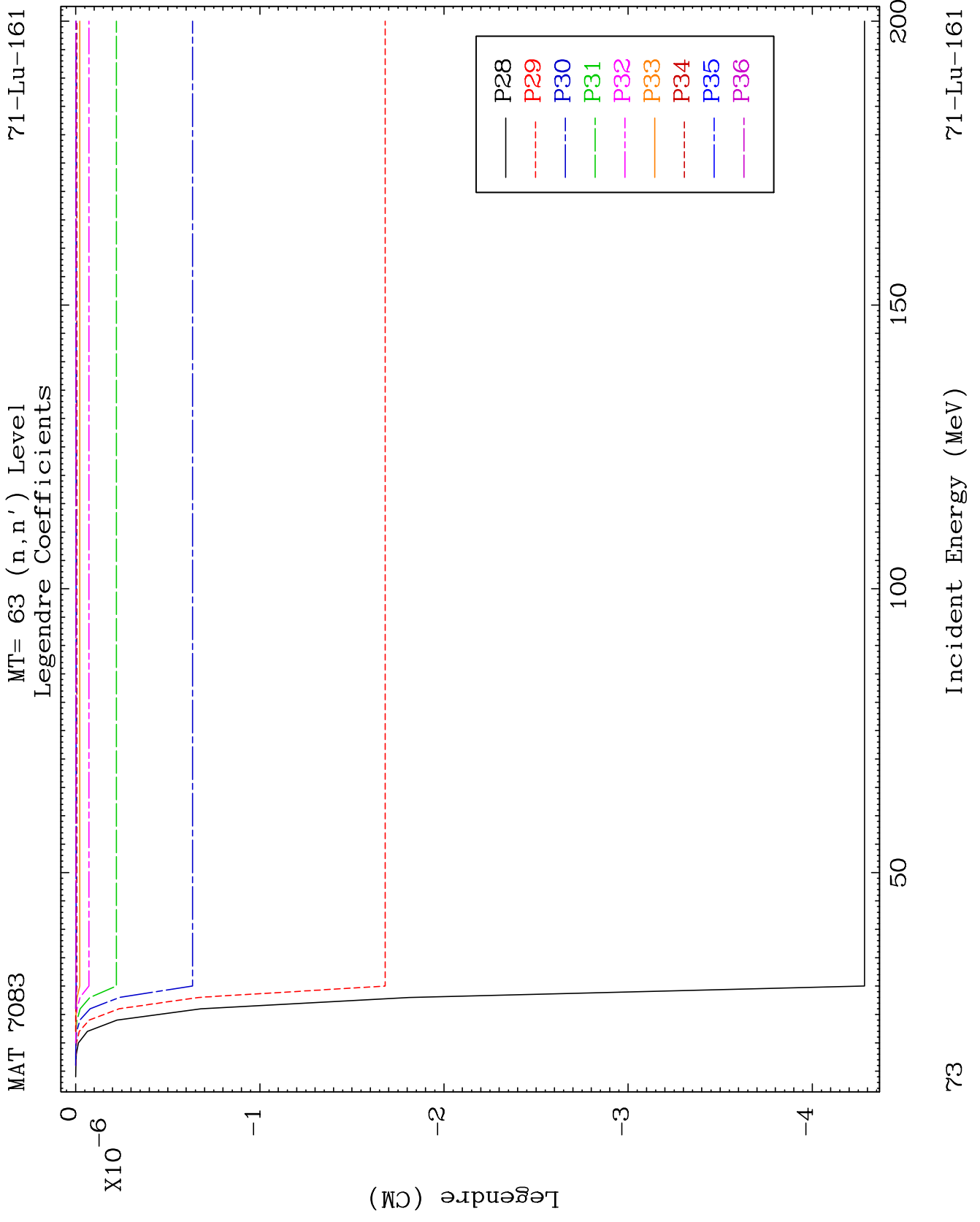
71-Lu-161

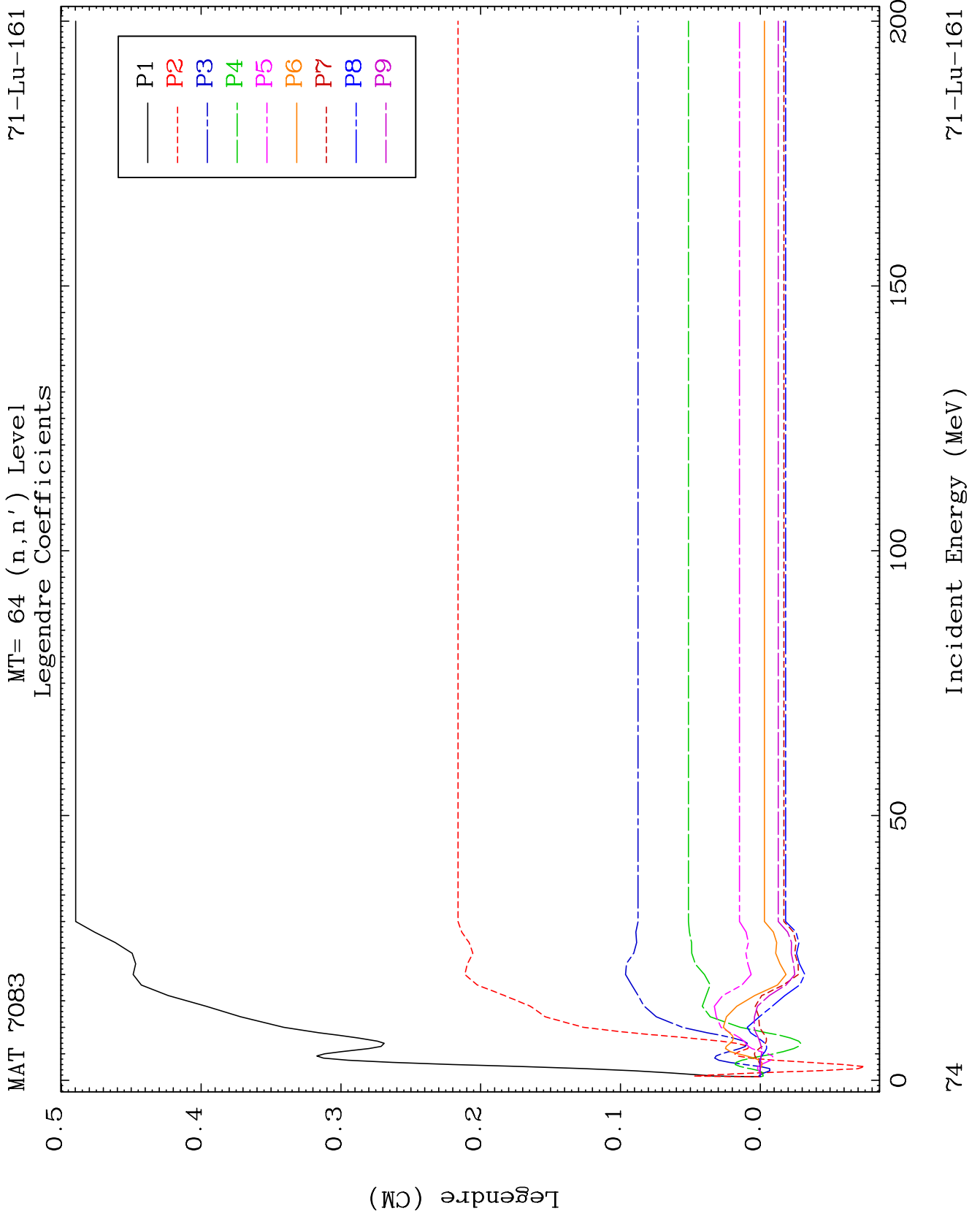


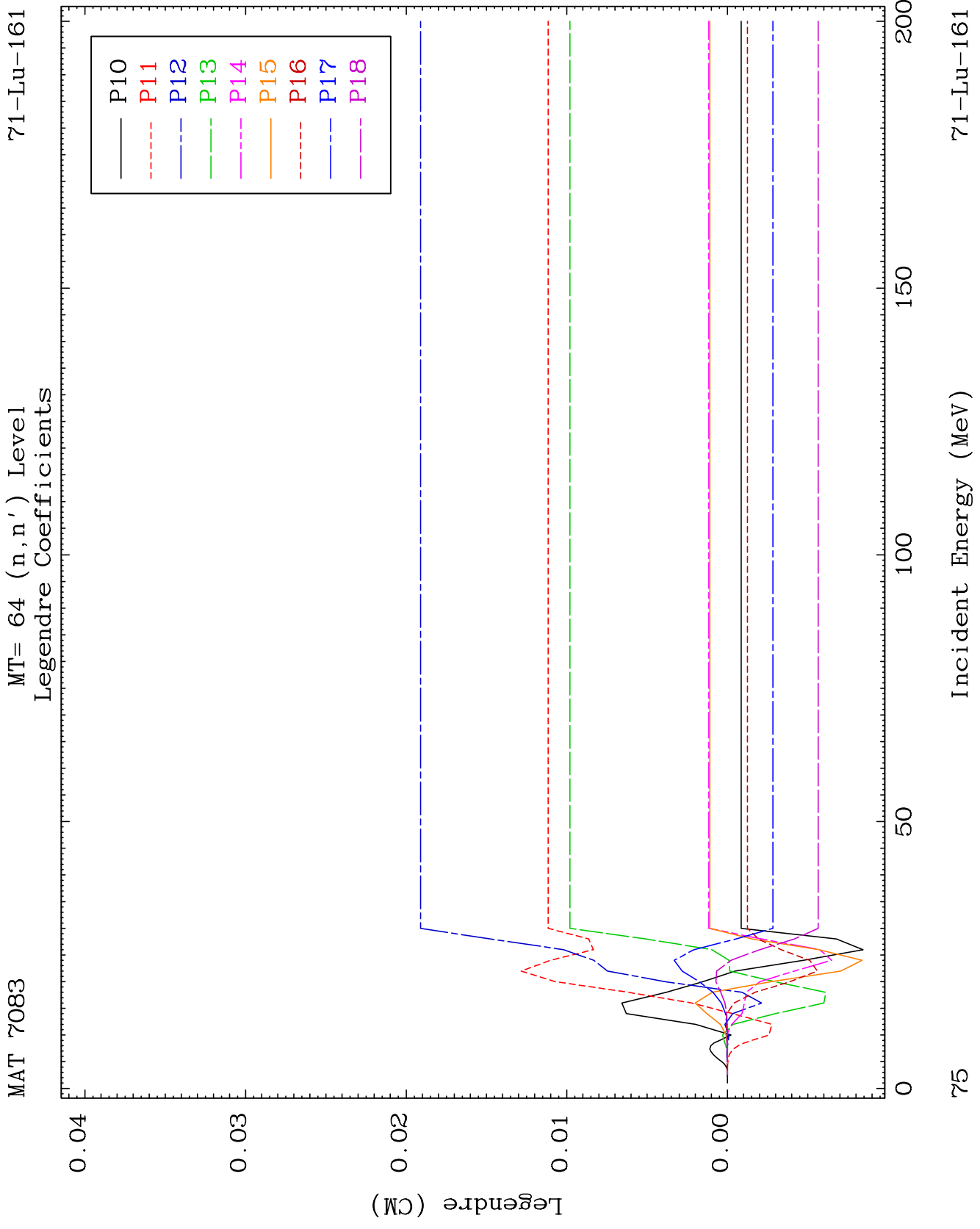
72

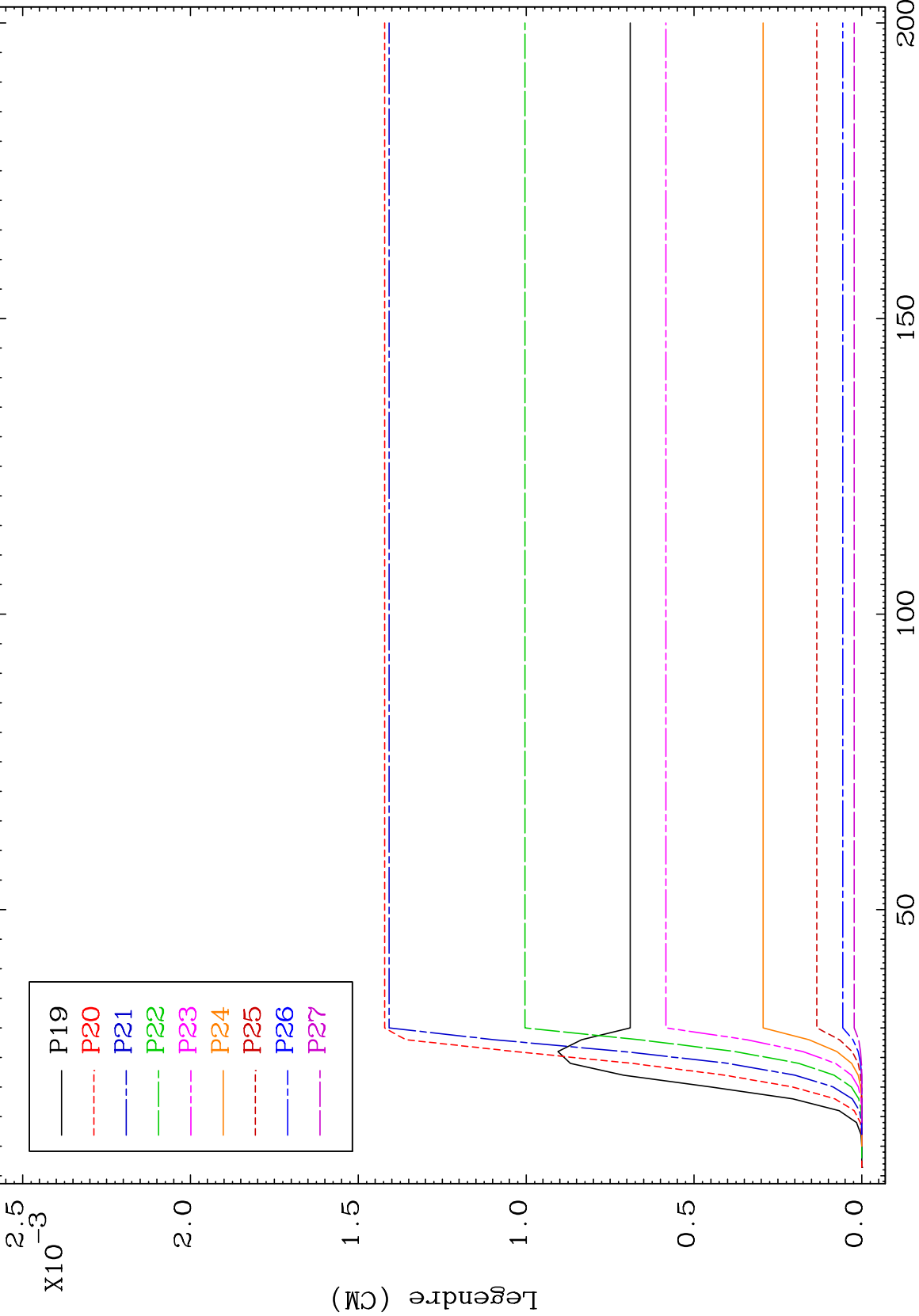
Incident Energy (MeV)

71-Lu-161





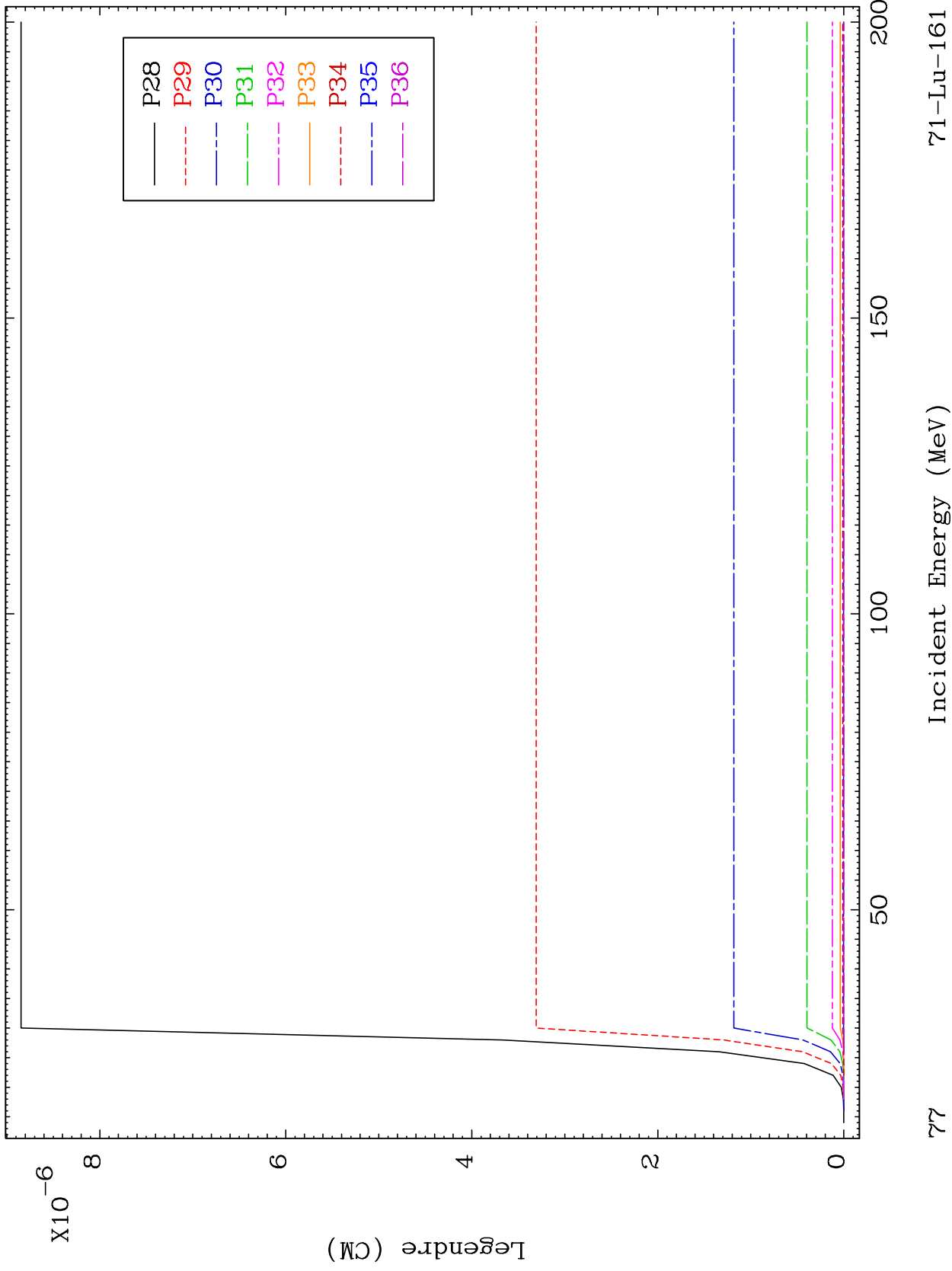




MAT 7083

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

71-Lu-161

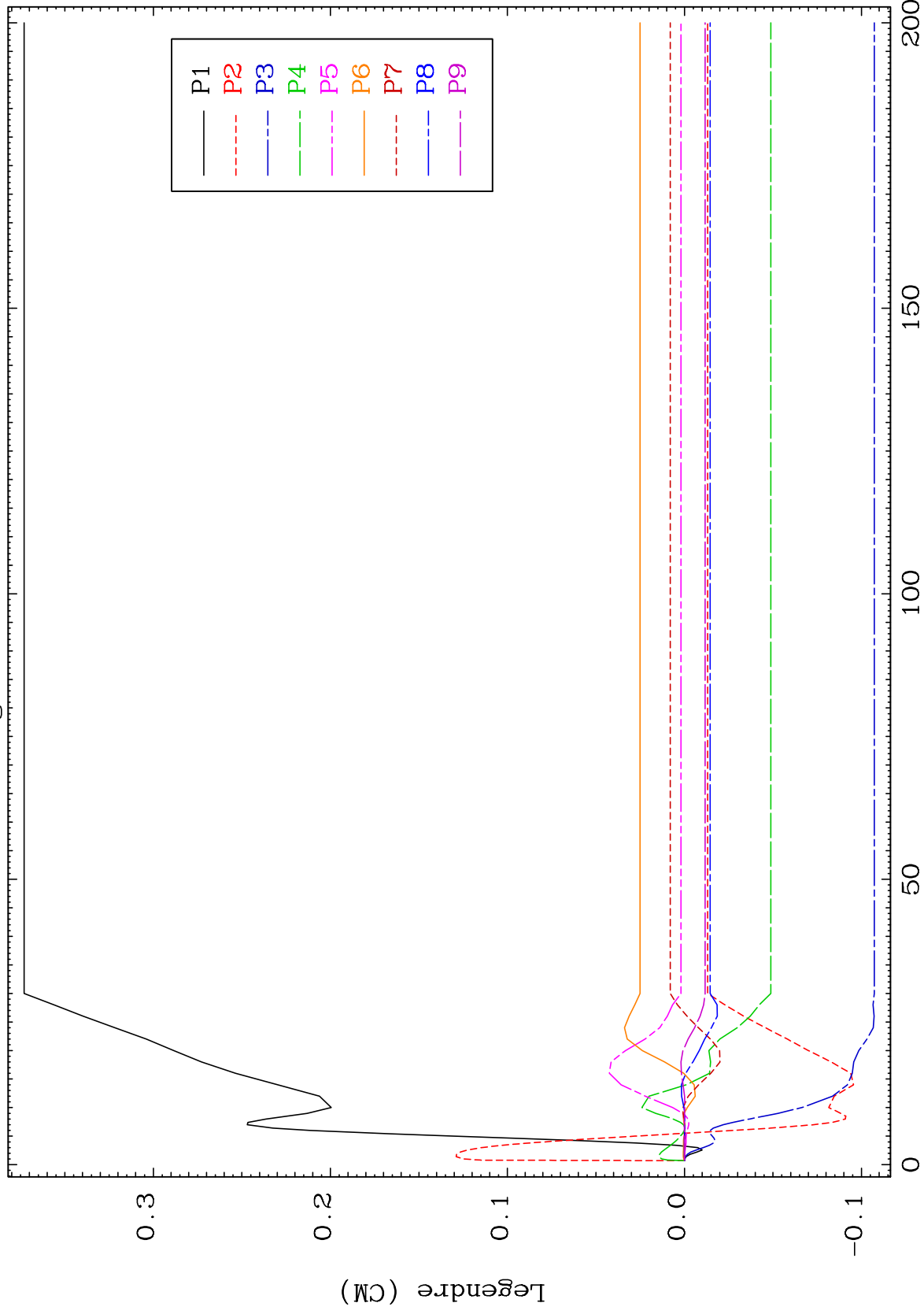


77

MAT 7083

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

71-Lu-161



78

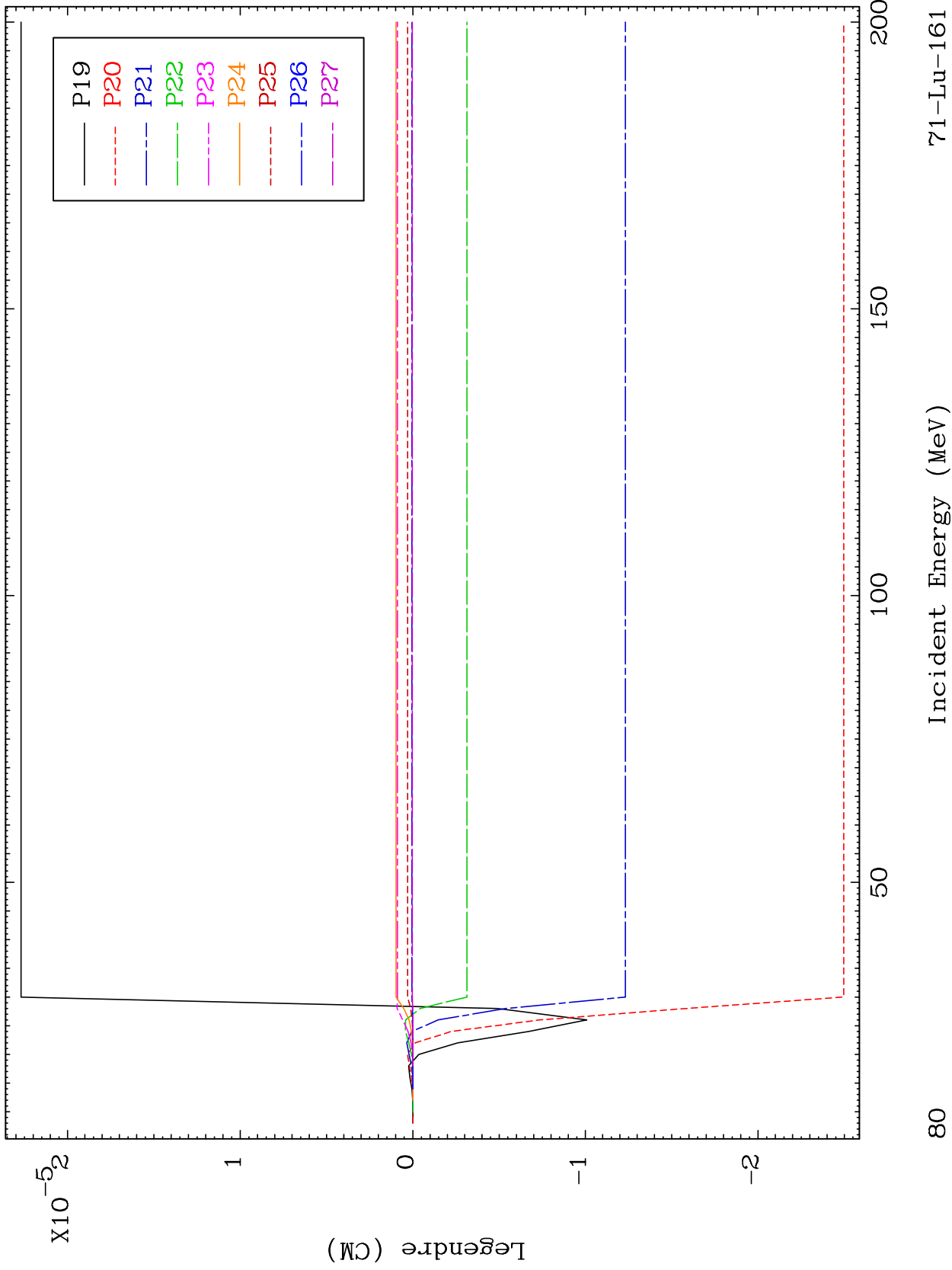
71-Lu-161

71-Lu-161

MAT 7083

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

71-Lu-161



80

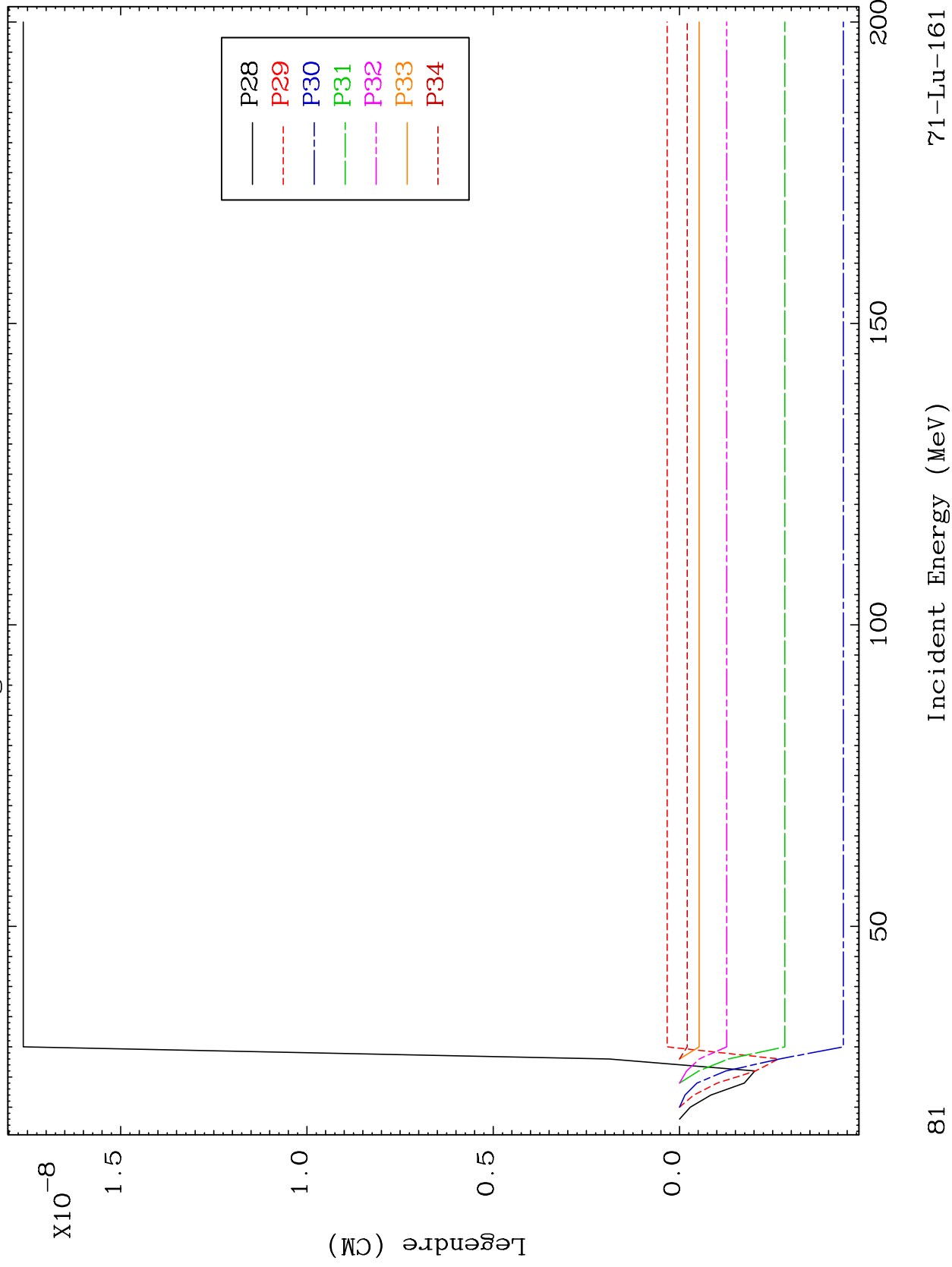
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



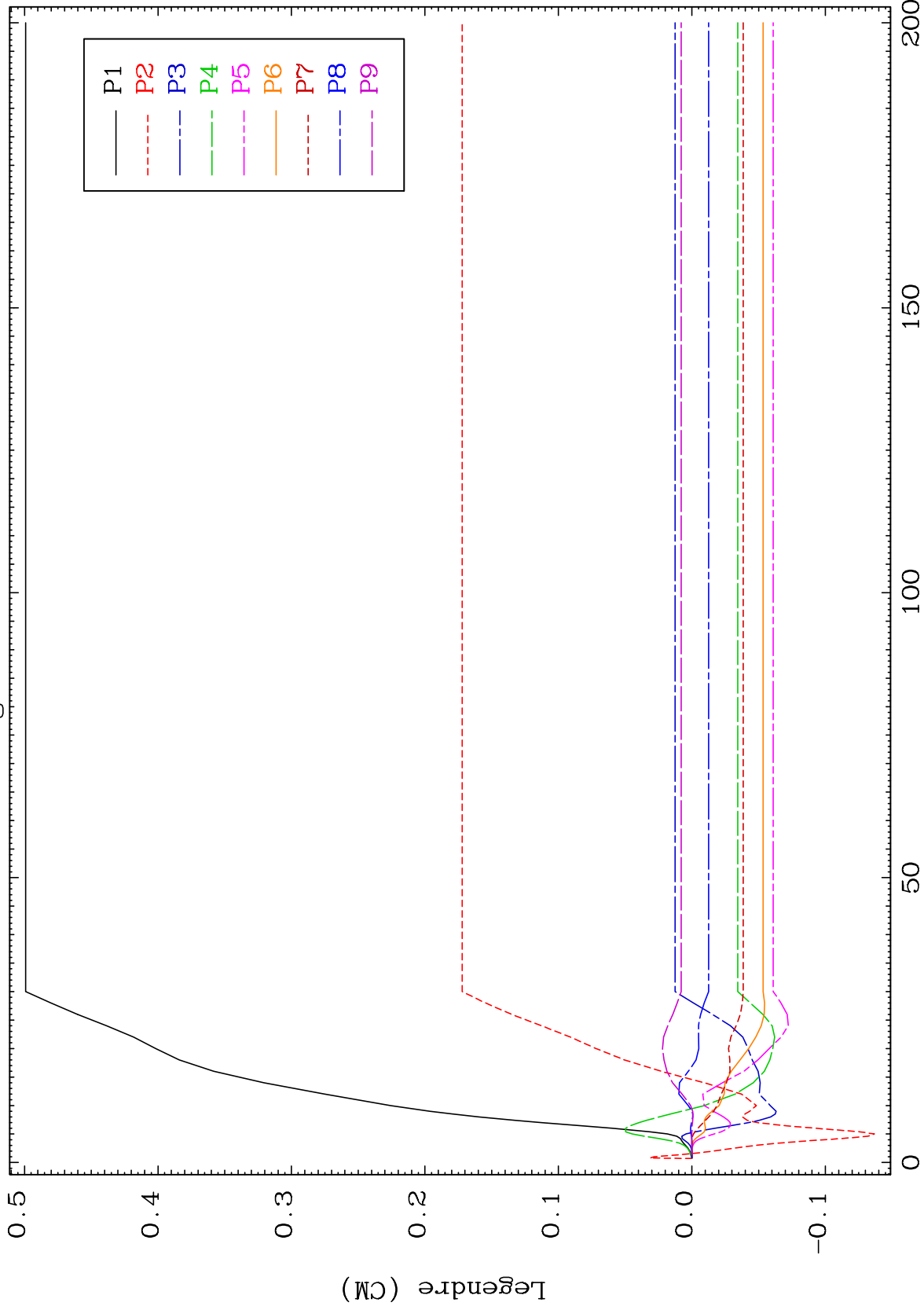
81

71-Lu-161

MAT 7083

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

71-Lu-161



82

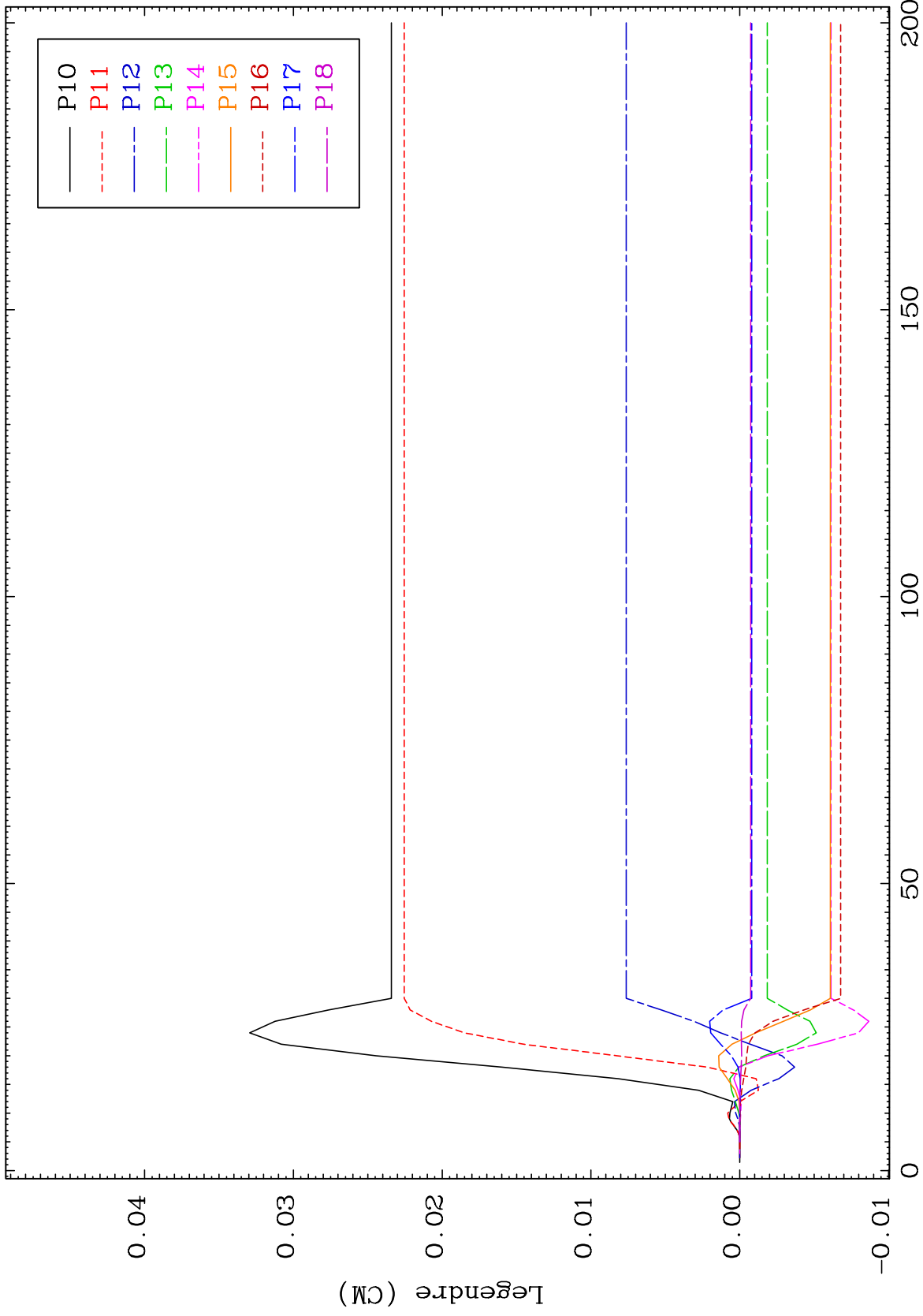
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



83

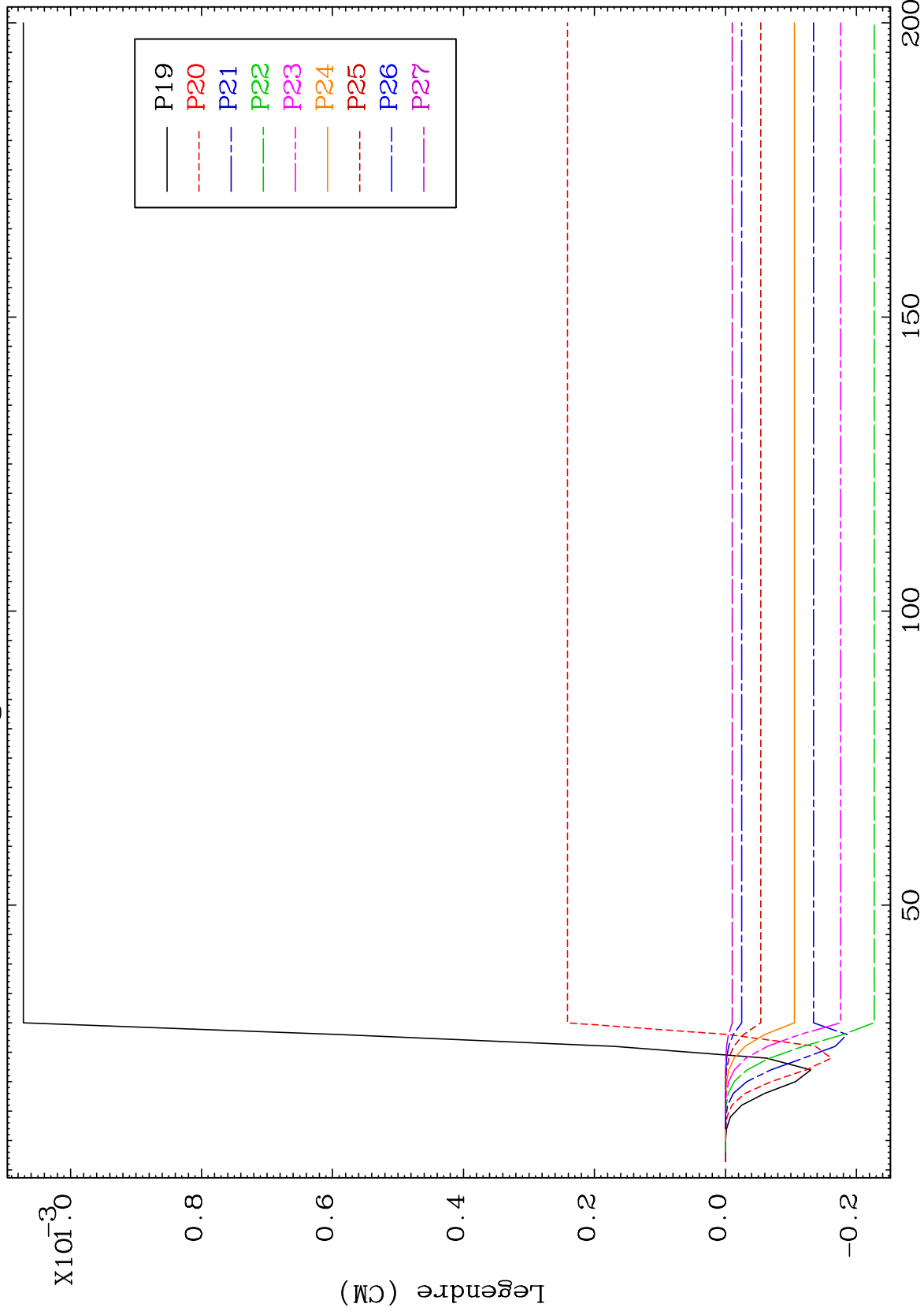
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

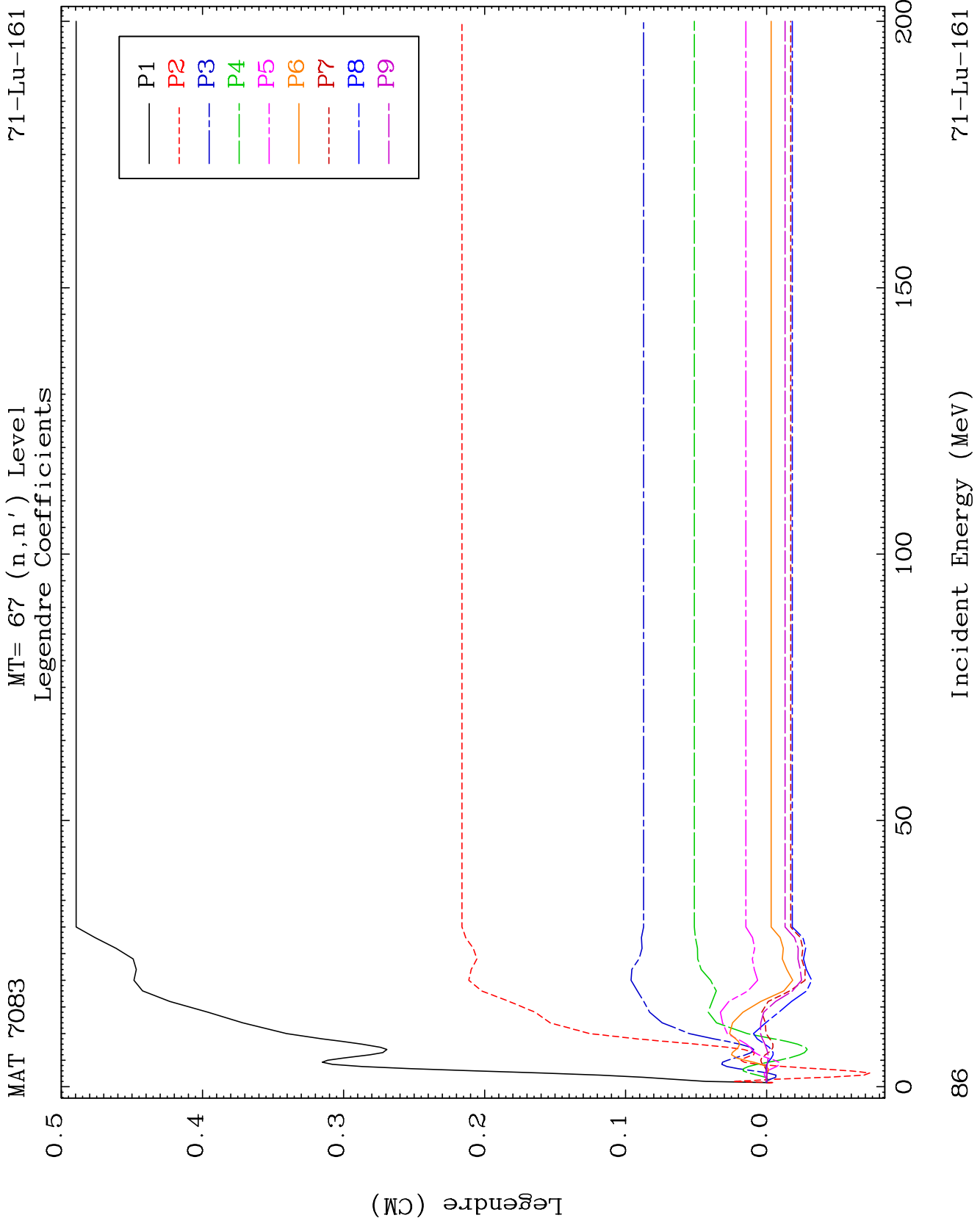
71-Lu-161



84

Incident Energy (MeV)

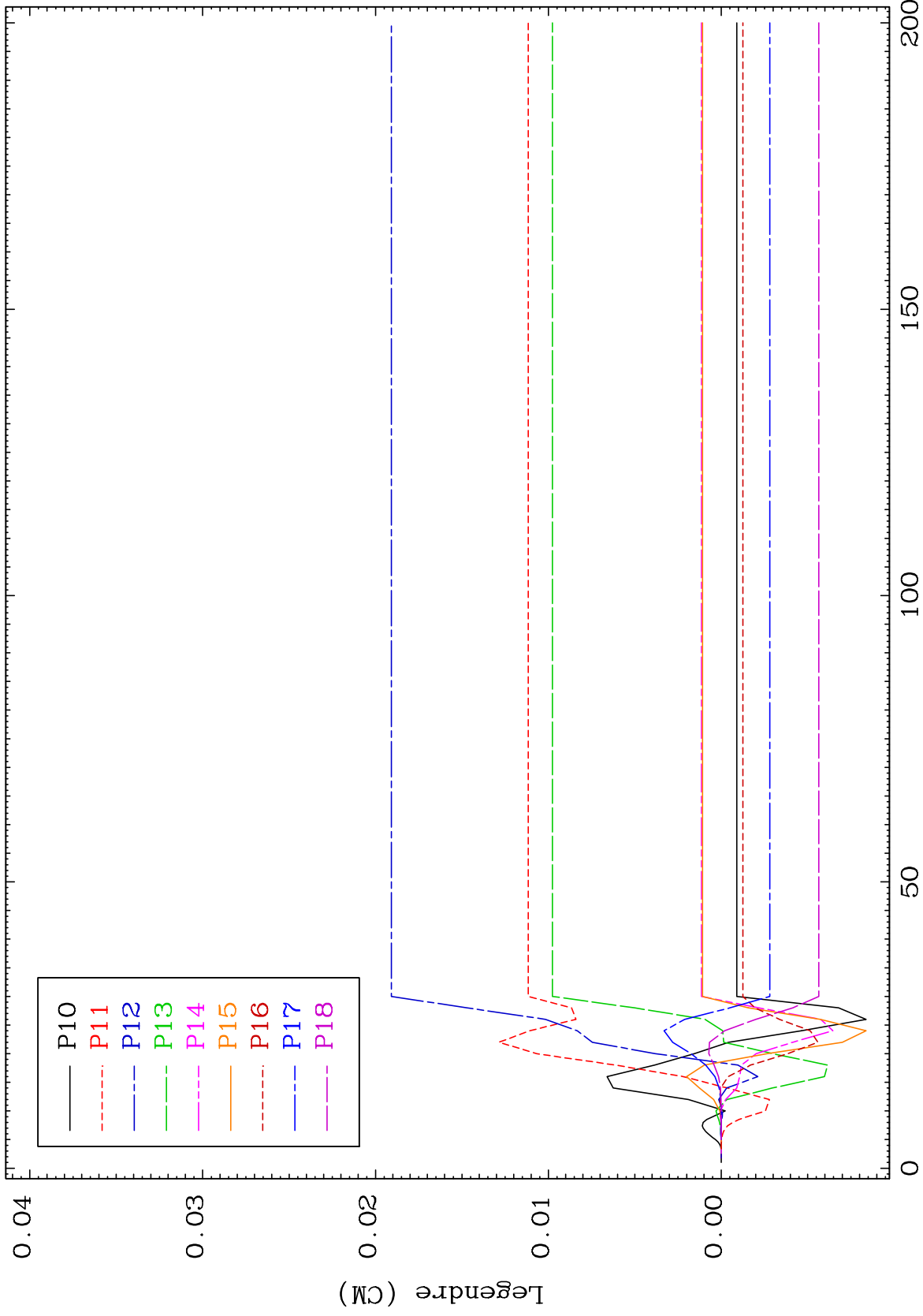
71-Lu-161



MAT 7083

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

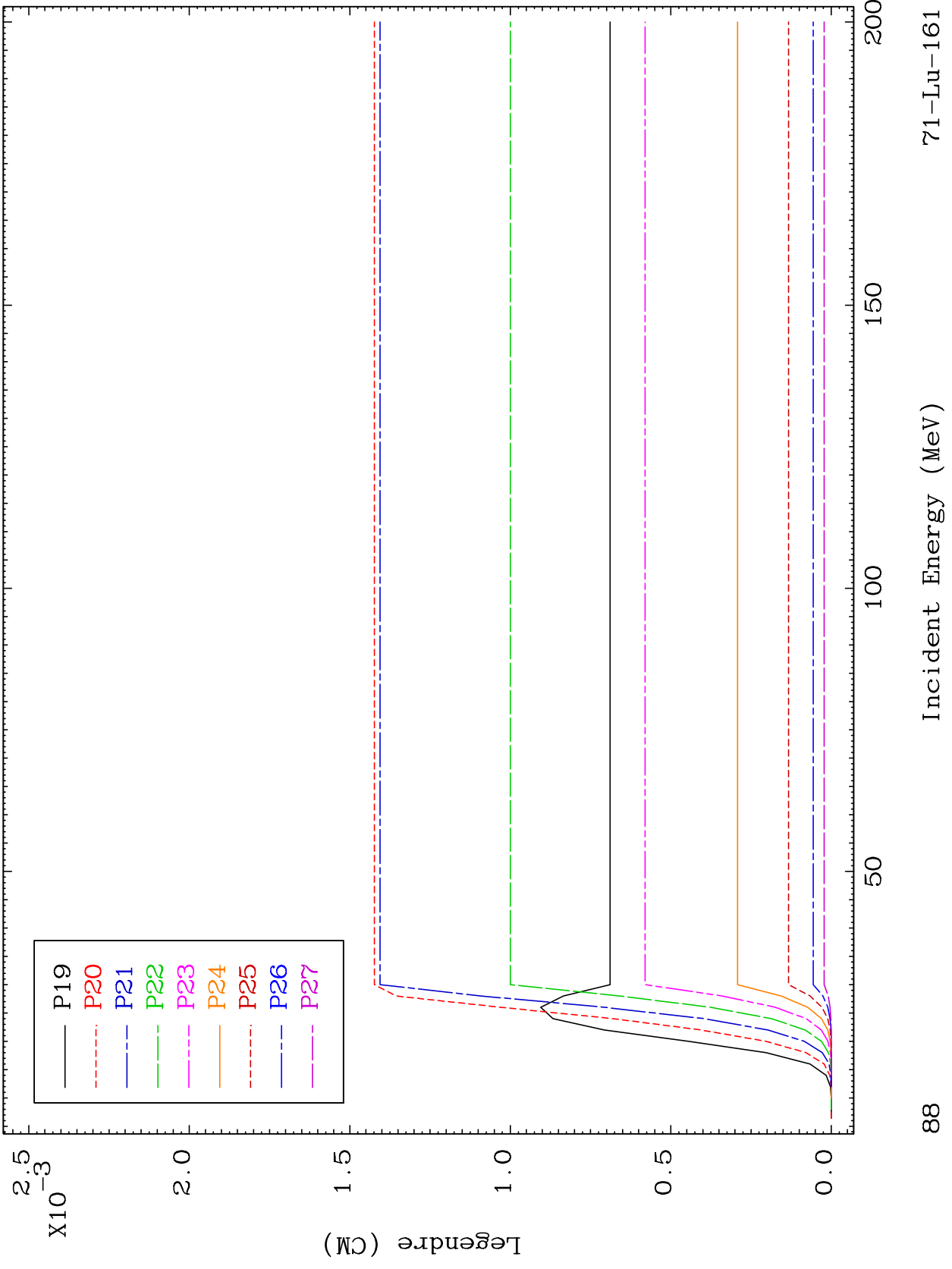
71-Lu-161



87

Incident Energy (MeV)

71-Lu-161

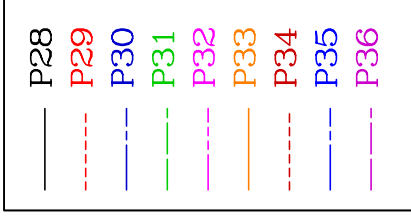


MAT 7083

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

71-Lu-161

$\times 10^{-6}$



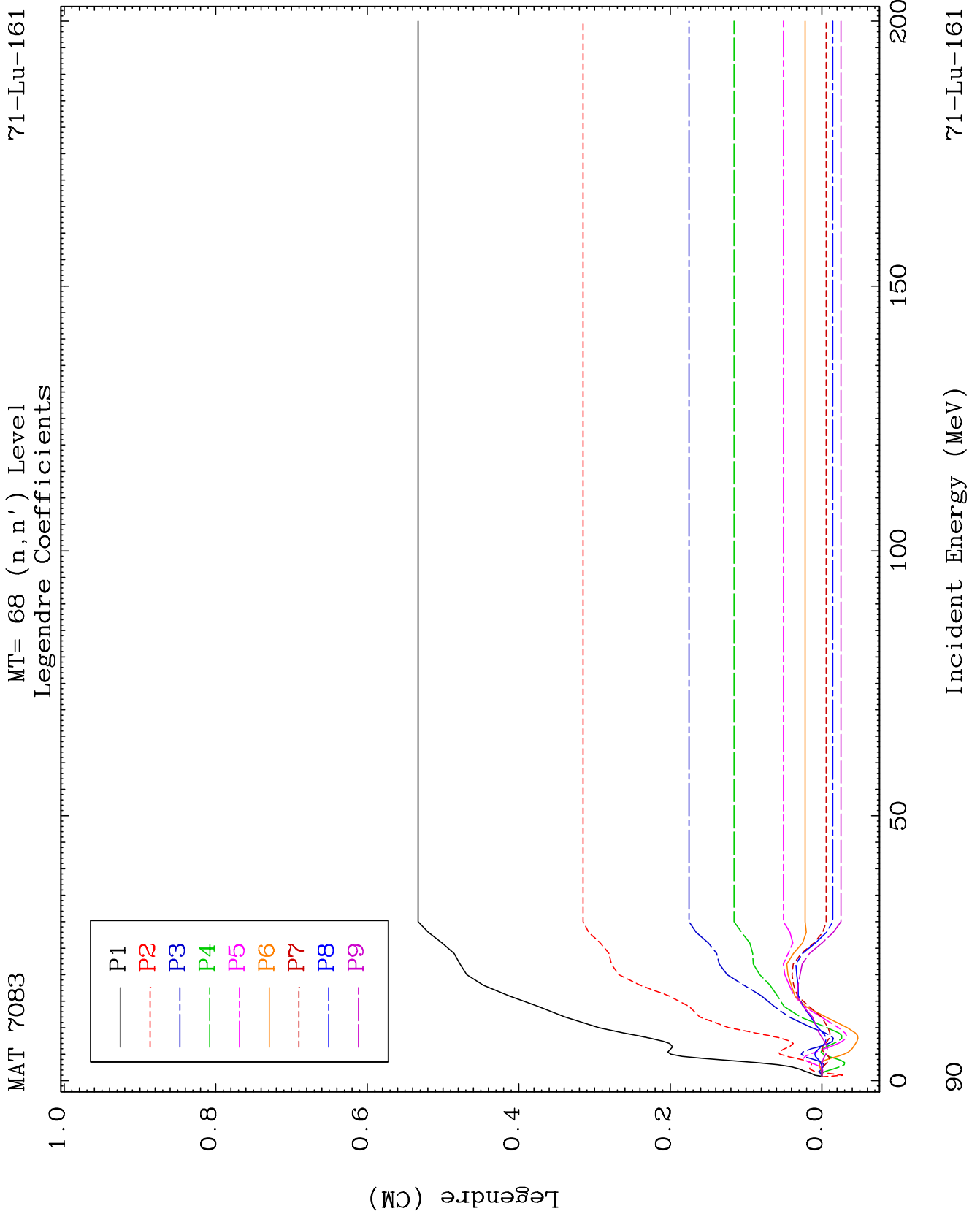
Legendre (CM)

89 50 100 150 200

89

Incident Energy (MeV)

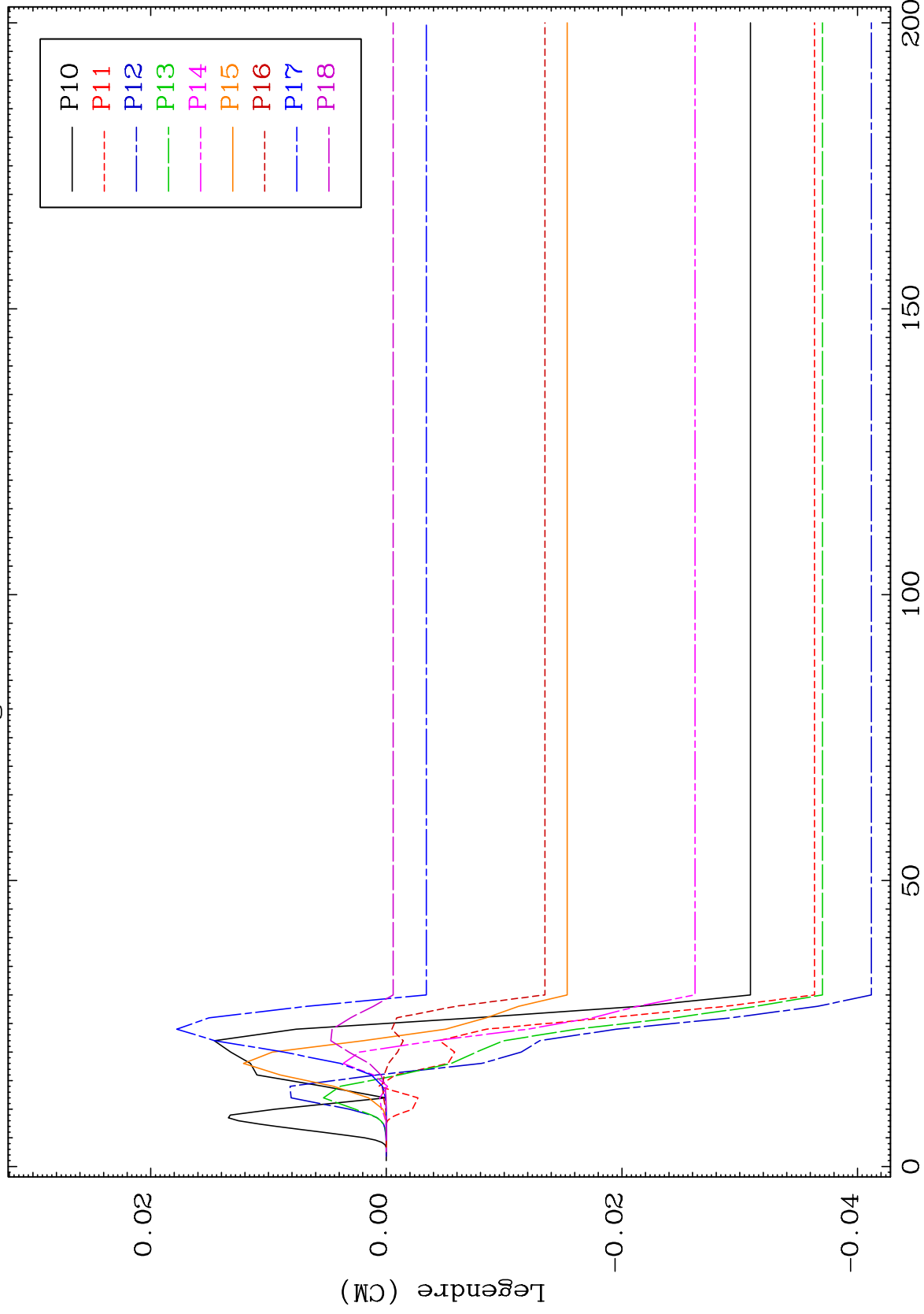
71-Lu-161



MAT 7083

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

71-Lu-161



91

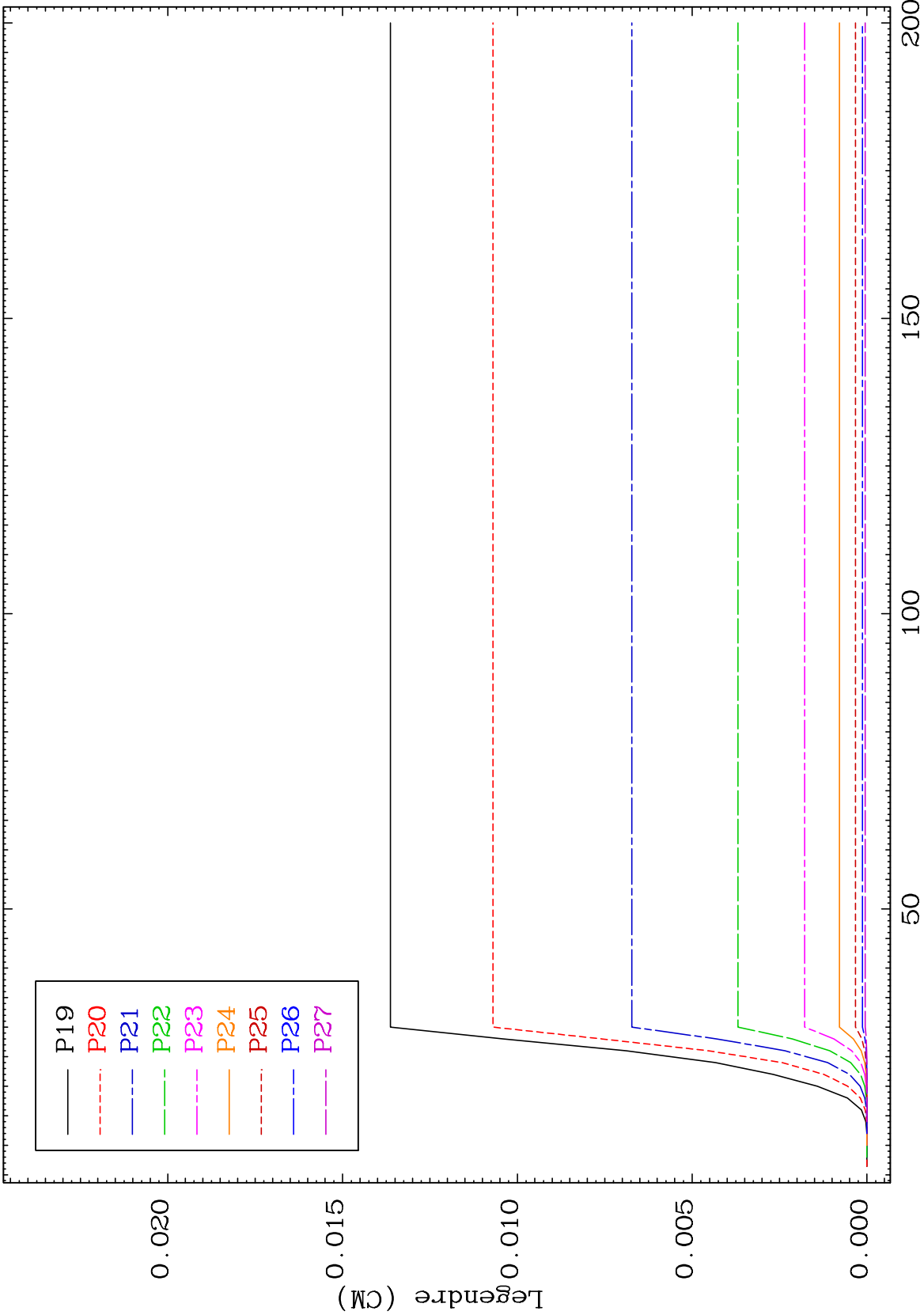
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



92

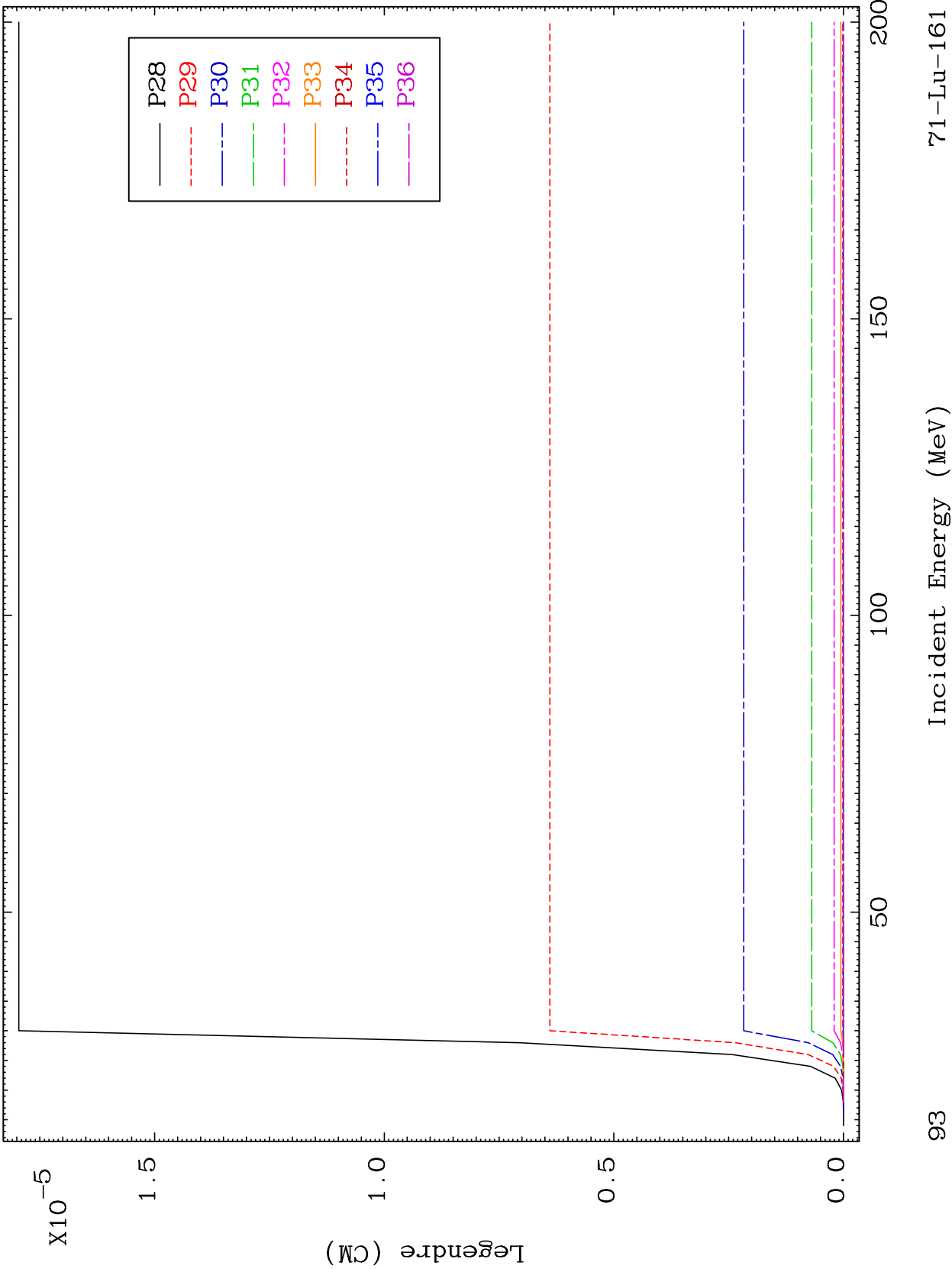
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



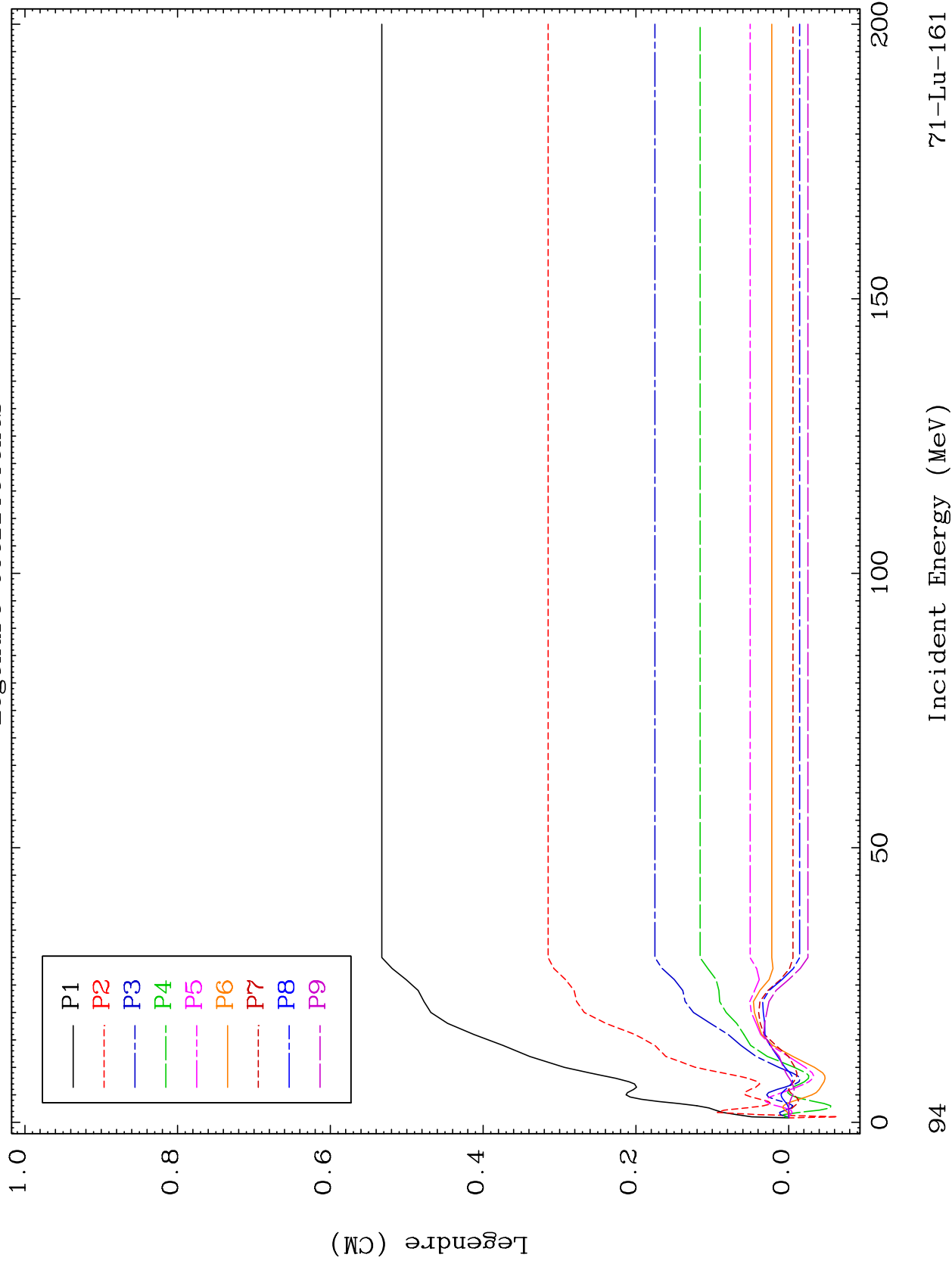
93

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

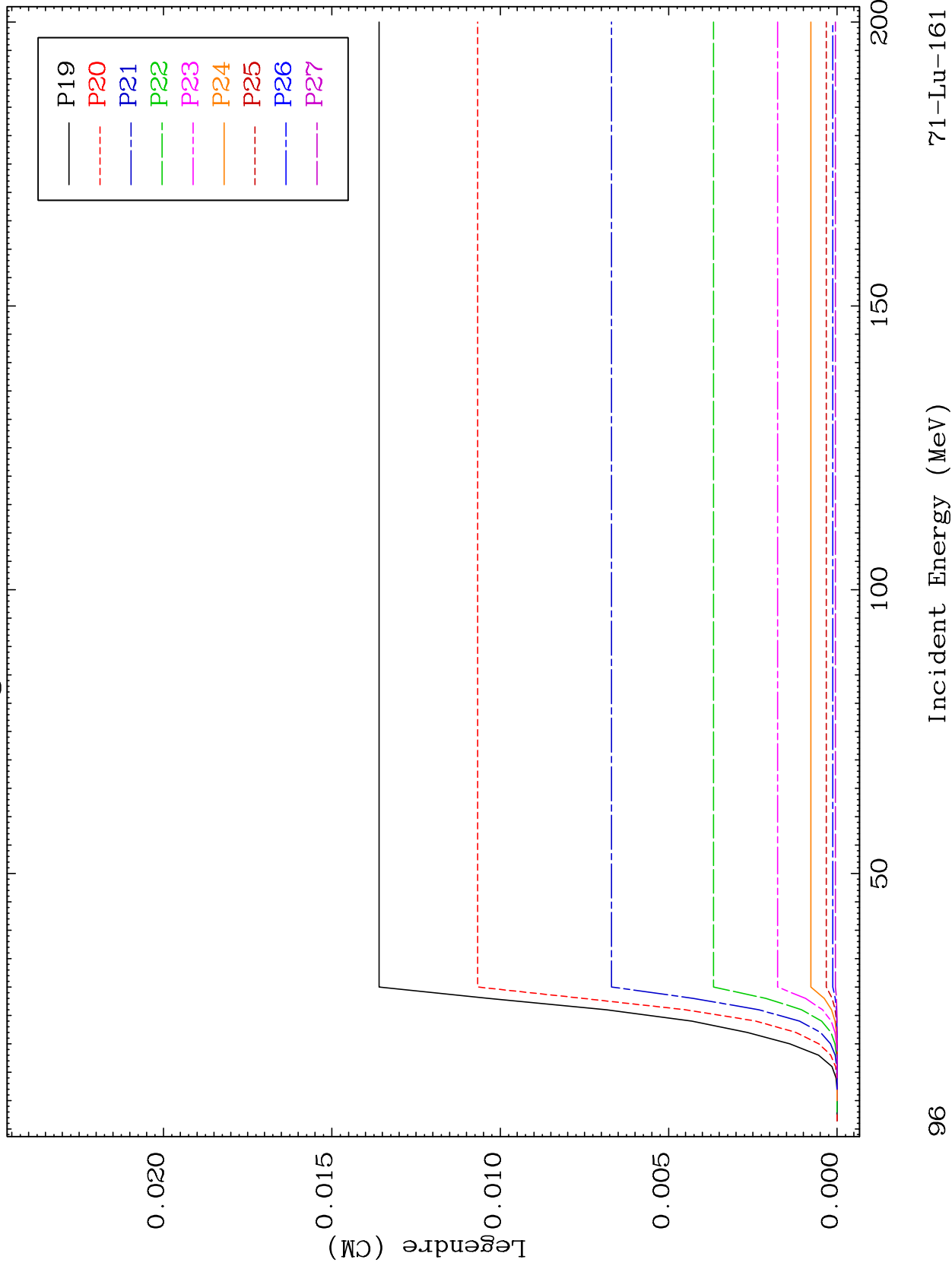
Incident Energy (MeV)

94

MAT 7083

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

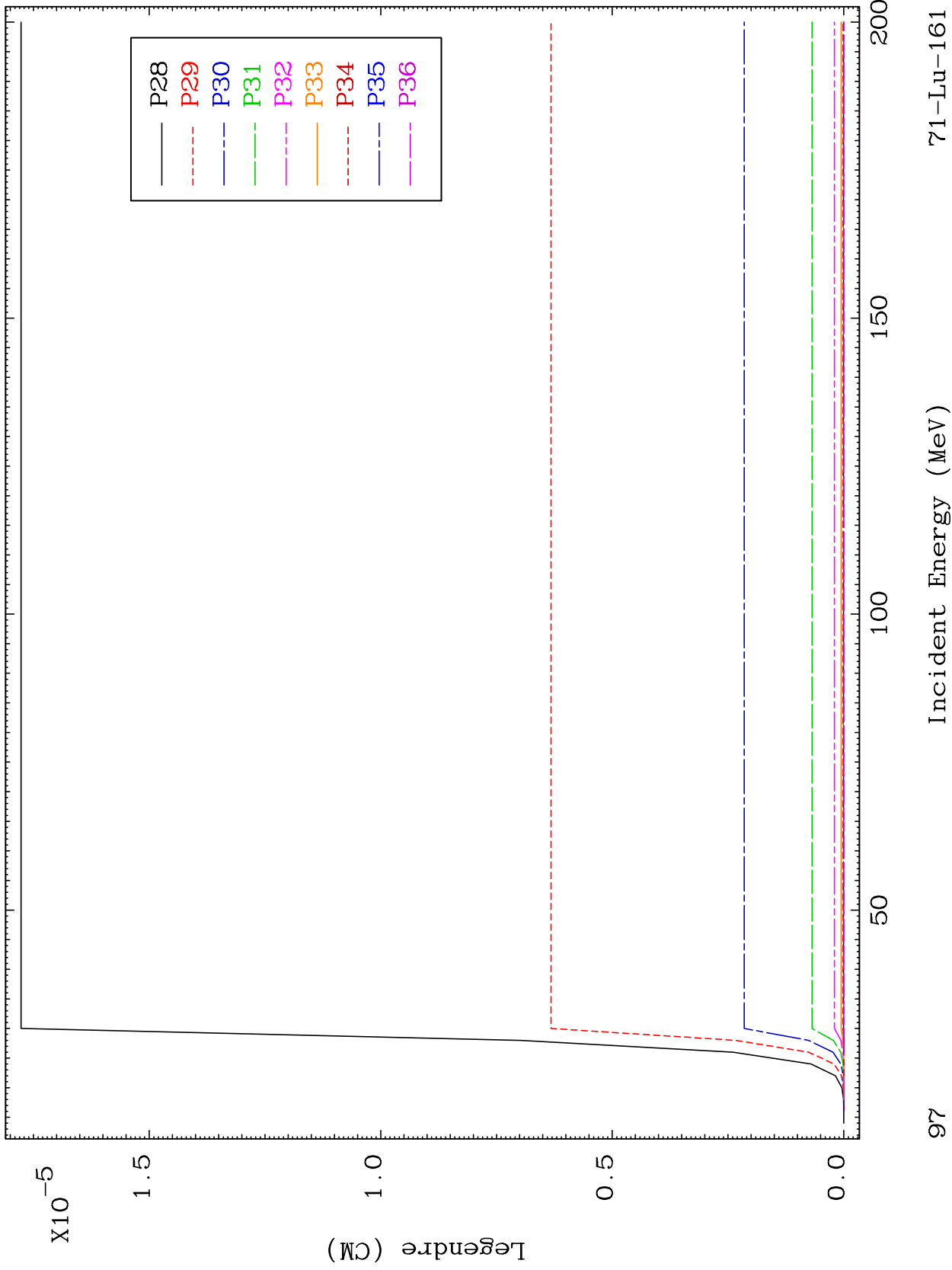
71-Lu-161



MAT 7083

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

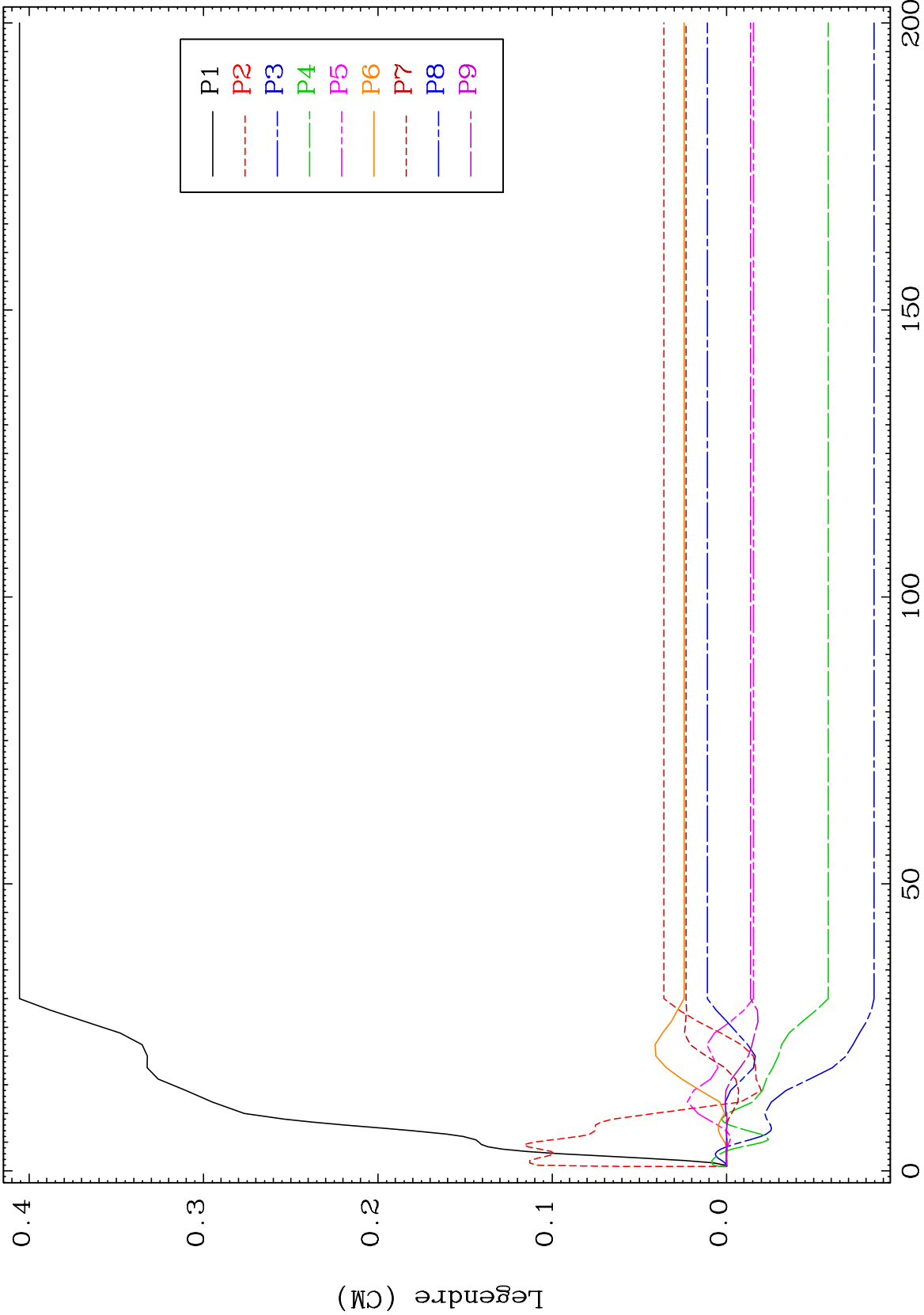
71-Lu-161



MAT 7083

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

71-Lu-161



98

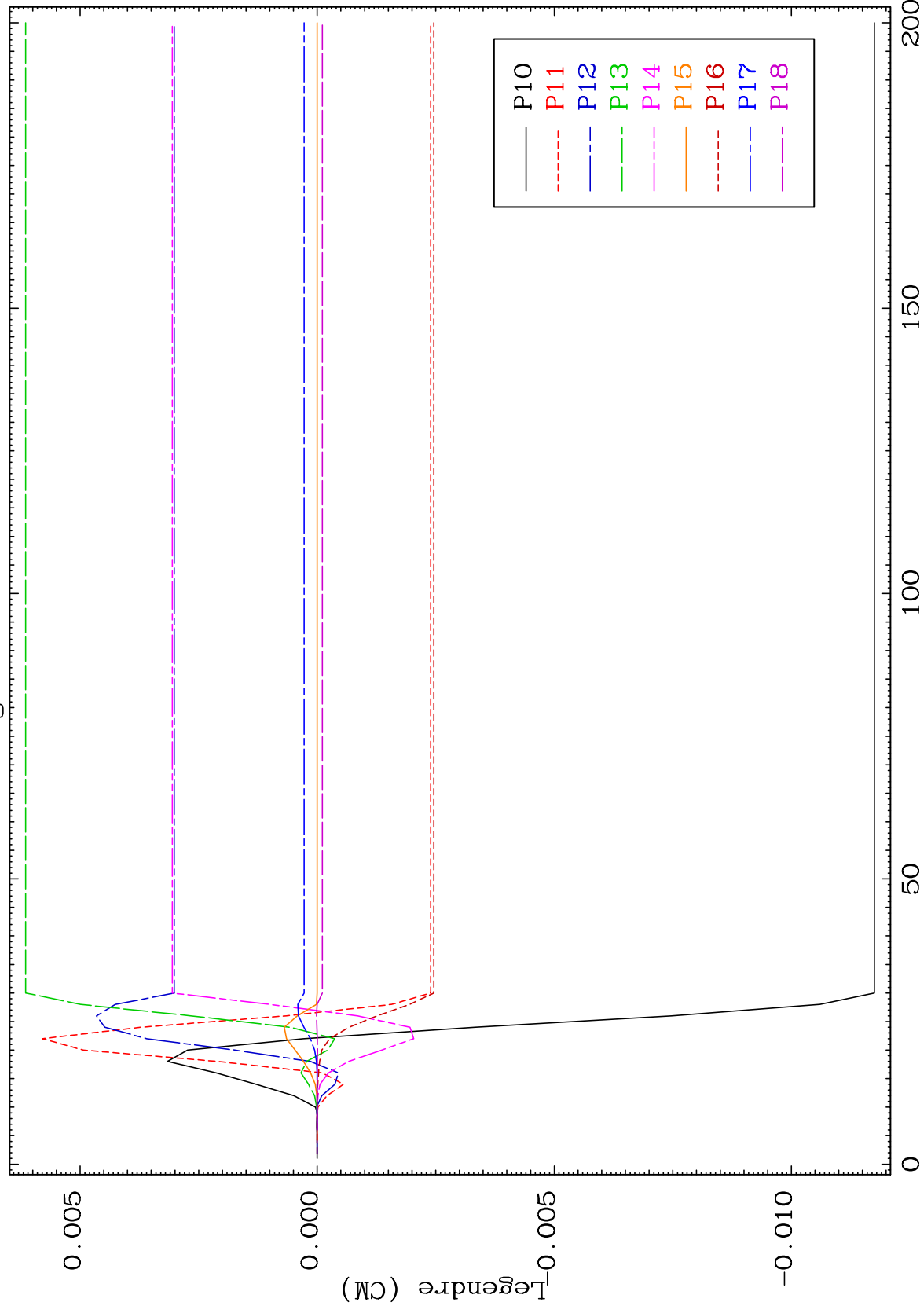
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



99

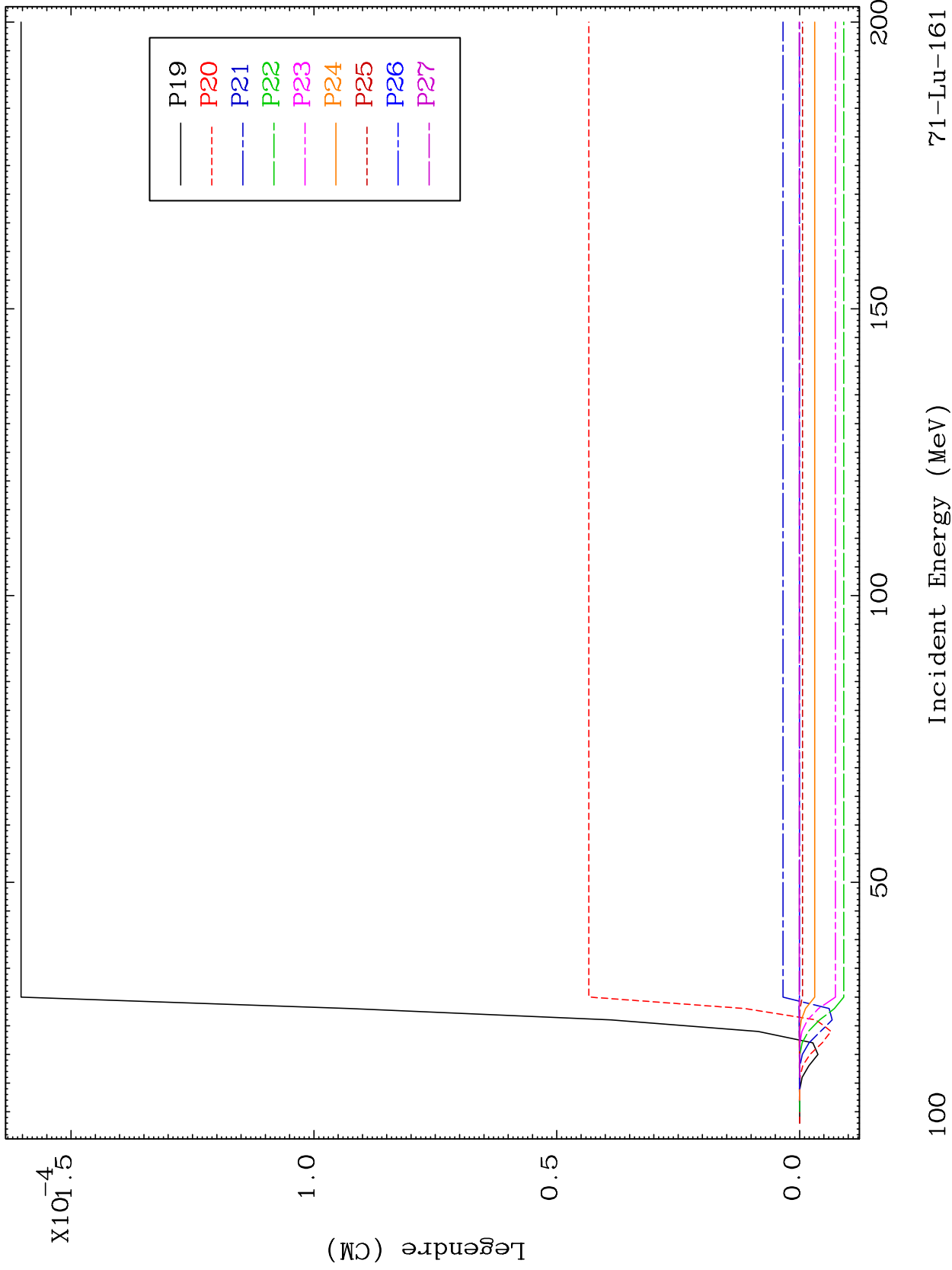
Incident Energy (MeV)

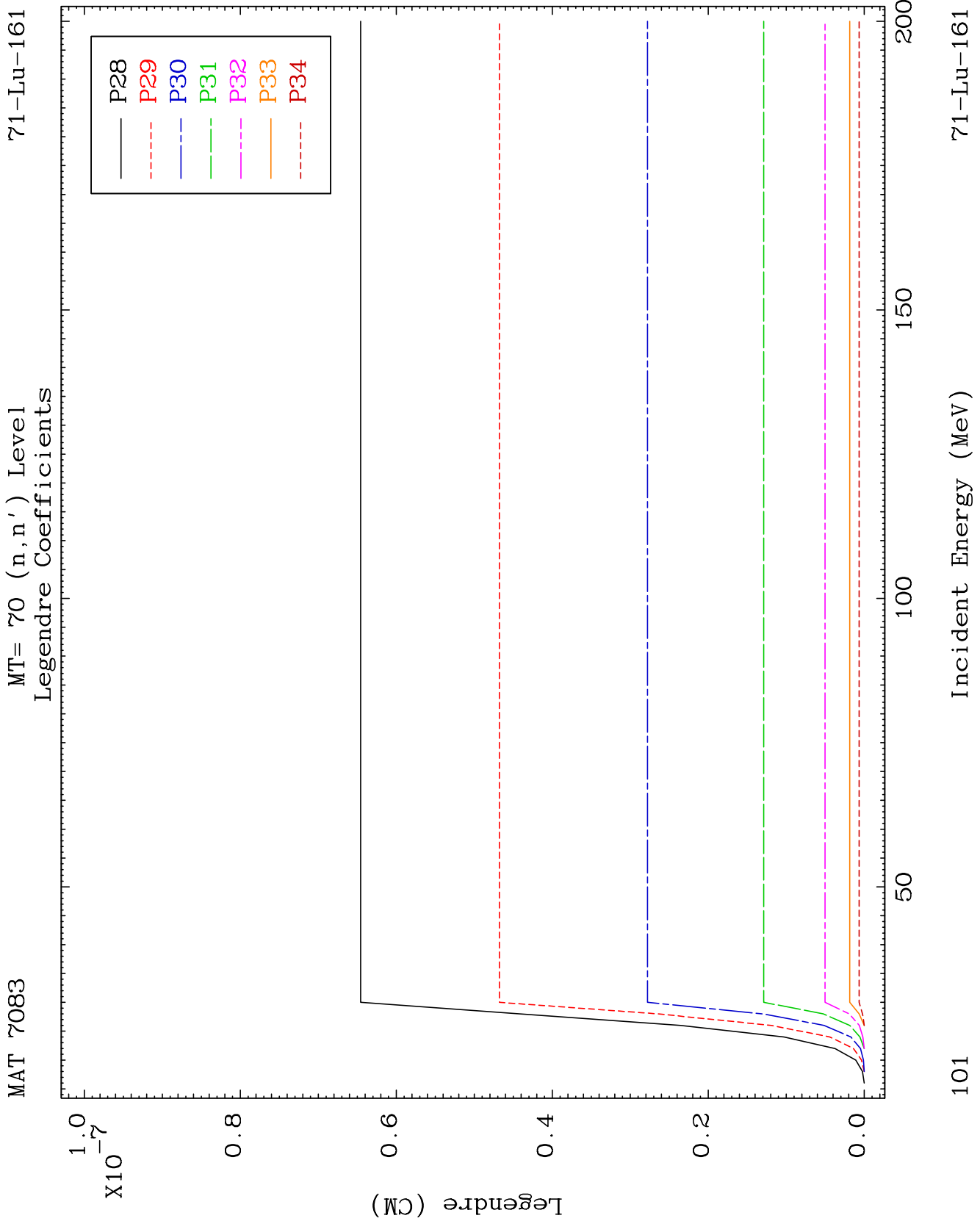
71-Lu-161

MAT 7083

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

71-Lu-161

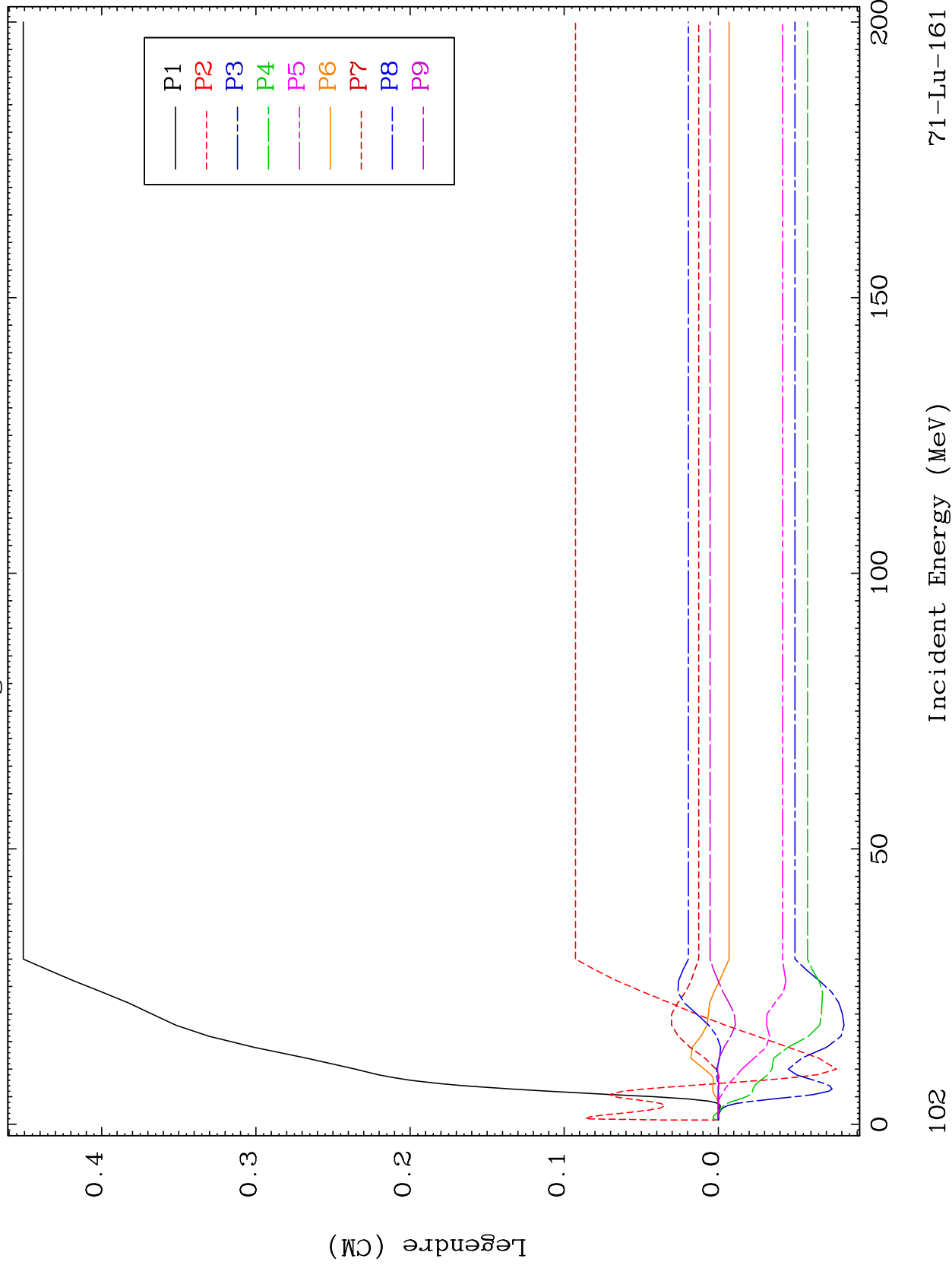




MAT 7083

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

71-Lu-161



71-Lu-161

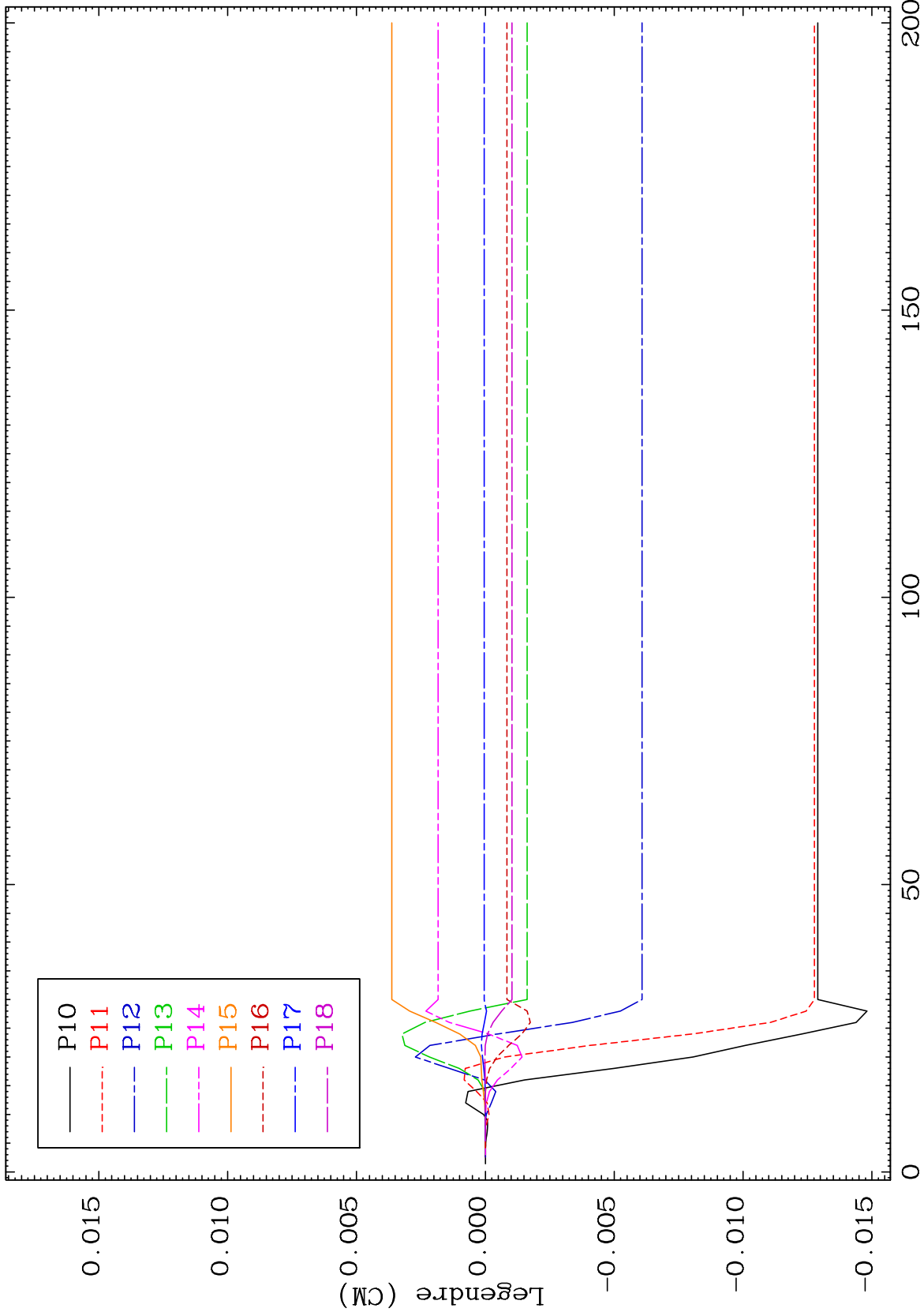
Incident Energy (MeV)

102

MAT 7083

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

71-Lu-161



103

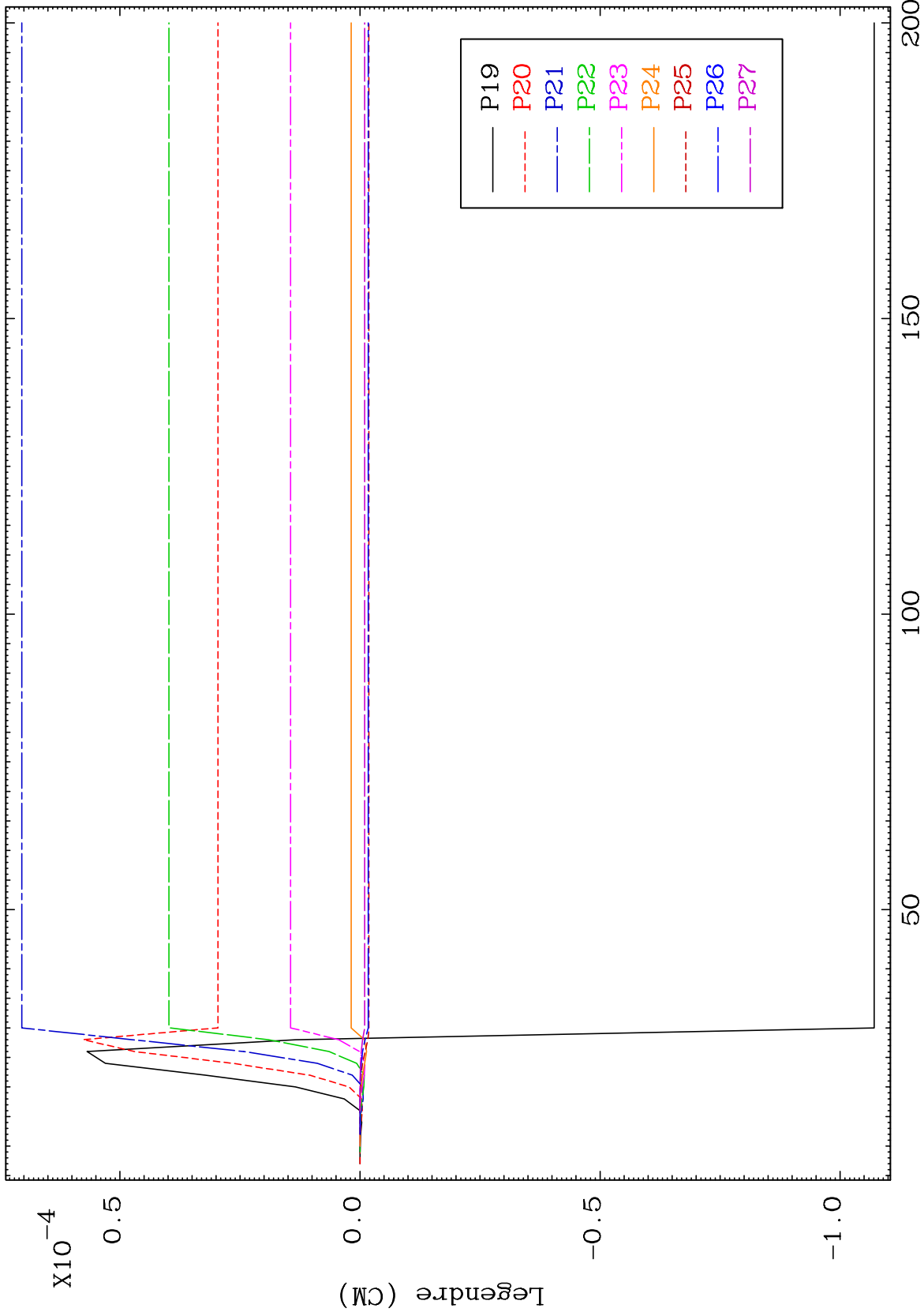
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

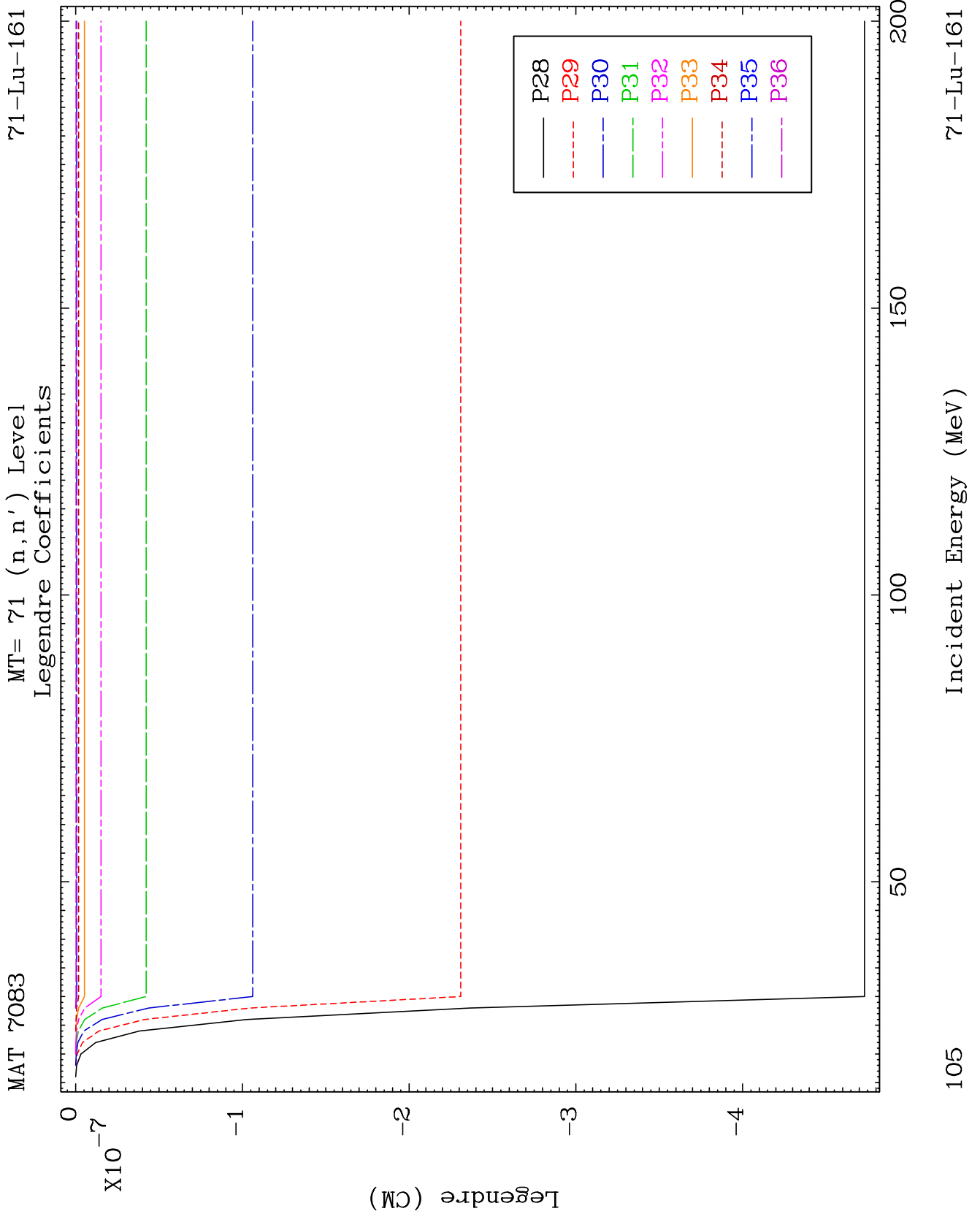
71-Lu-161



104

Incident Energy (MeV)

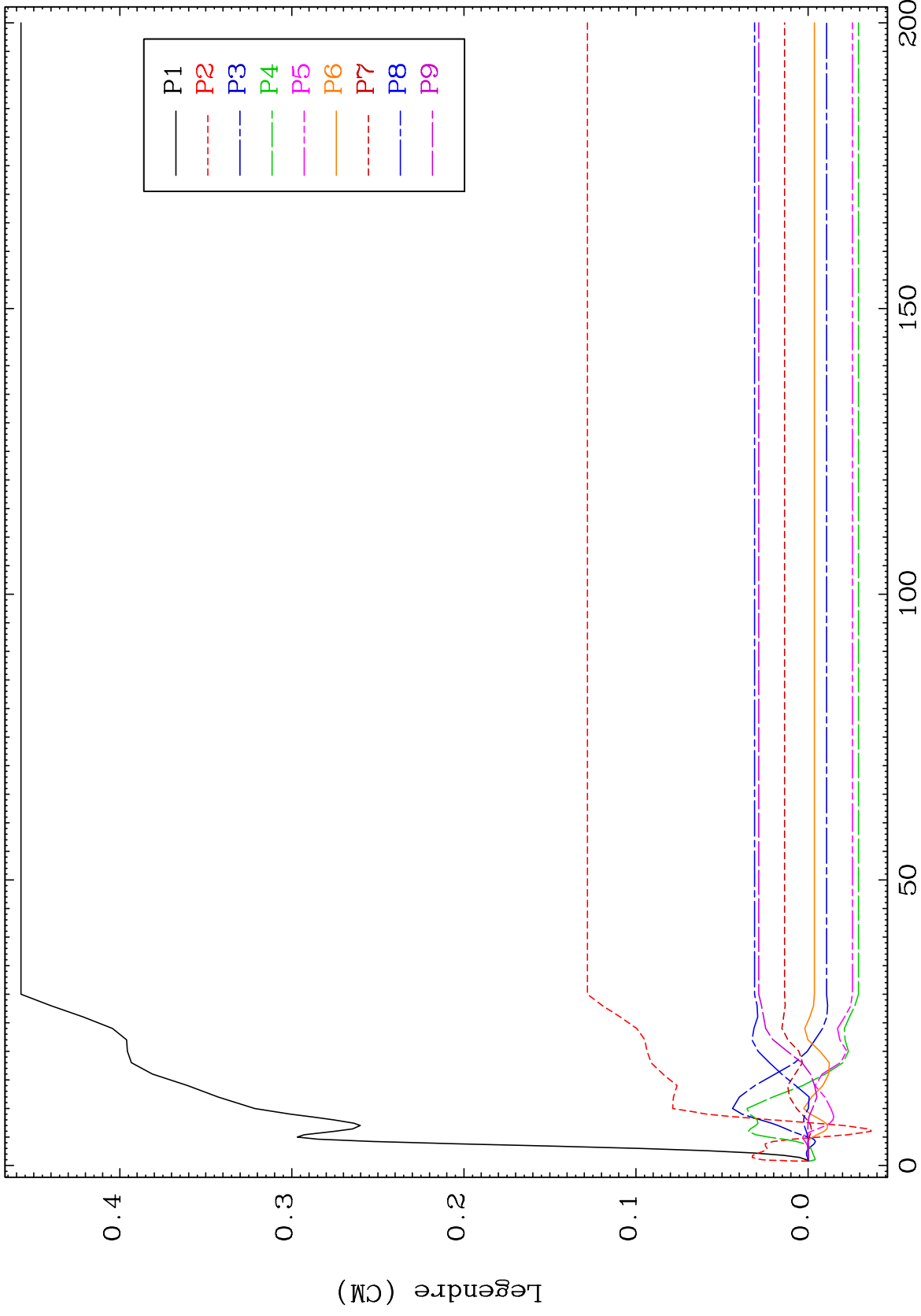
71-Lu-161



MAT 7083

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

71-Lu-161



106

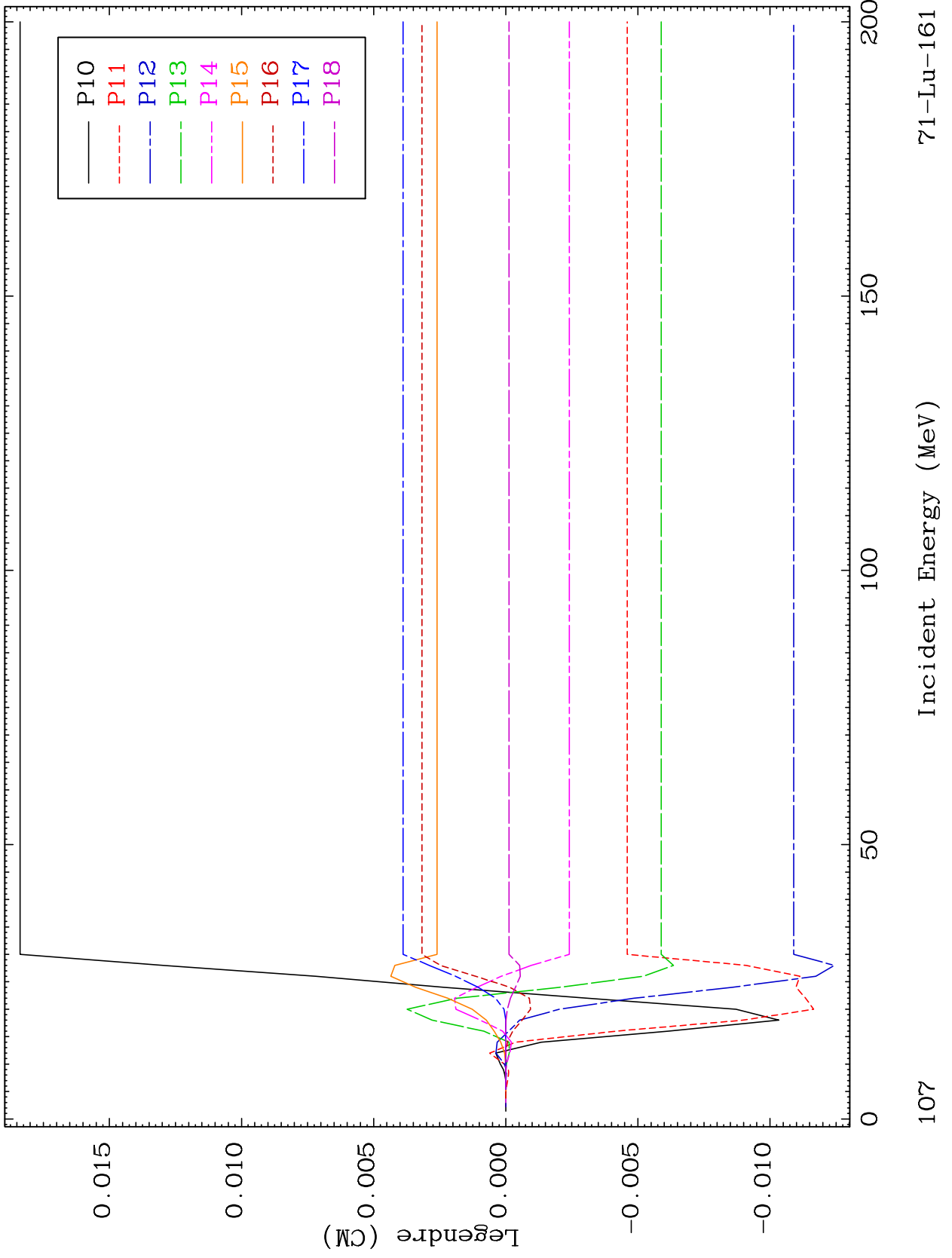
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



107

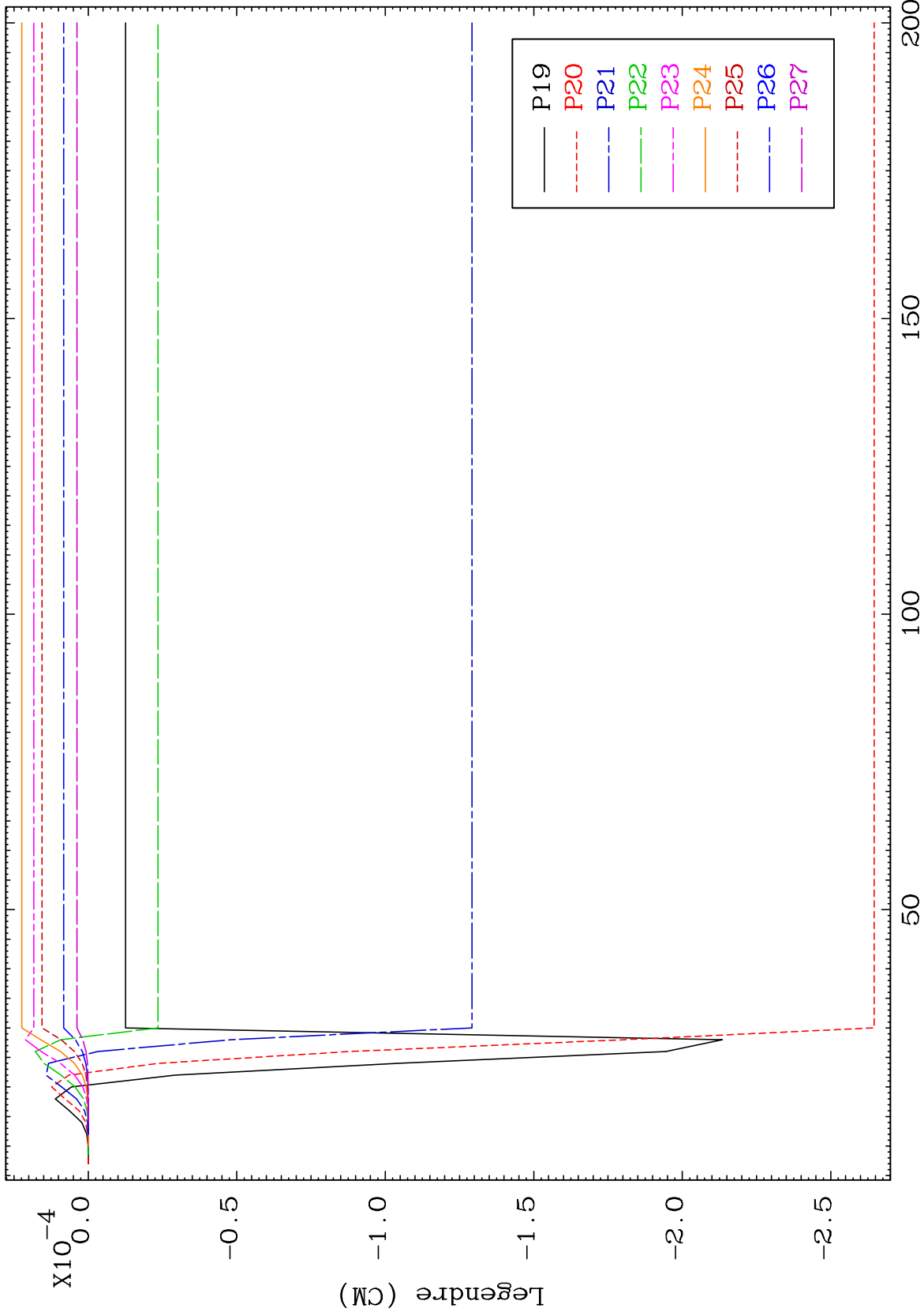
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



108

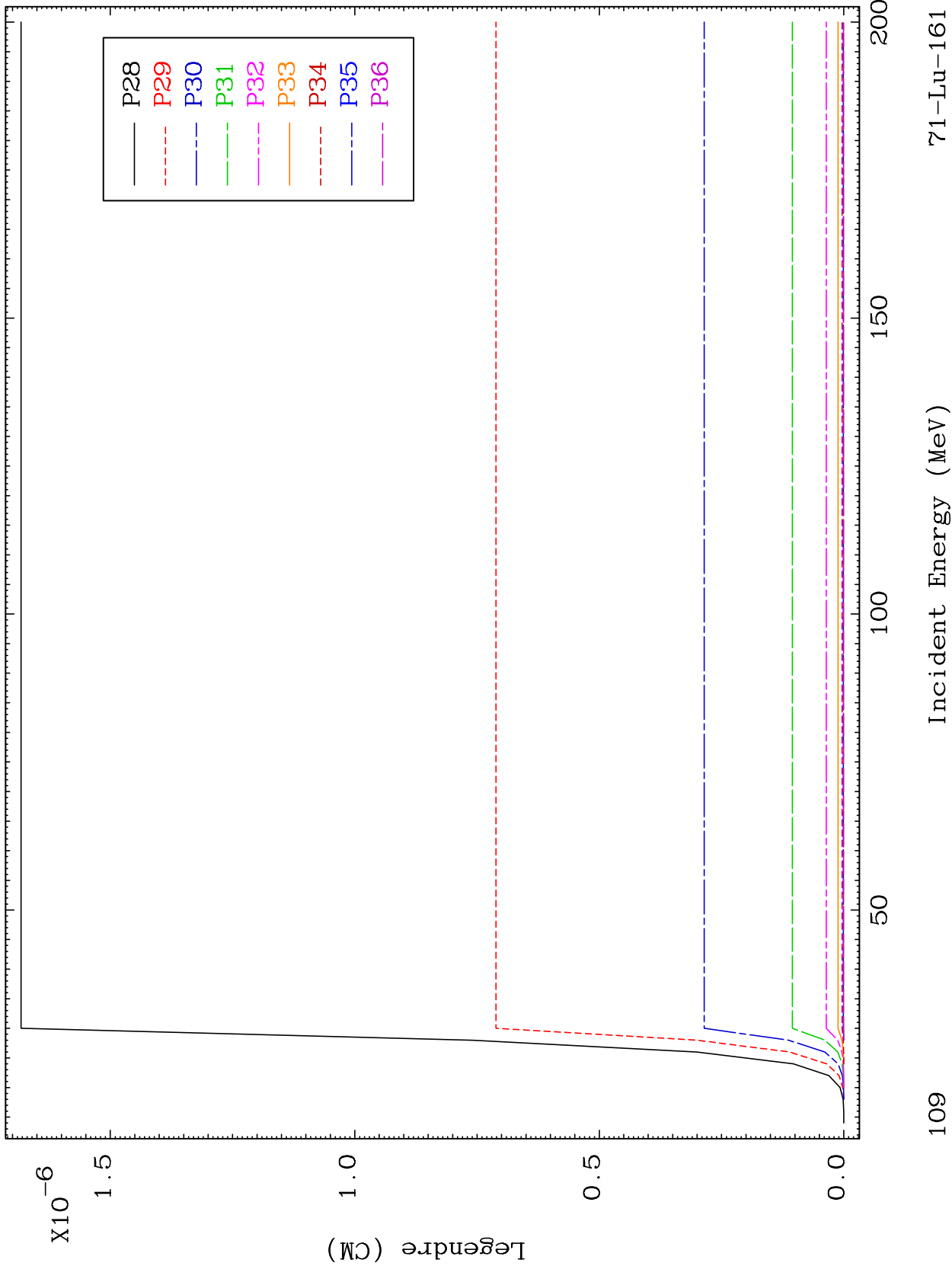
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

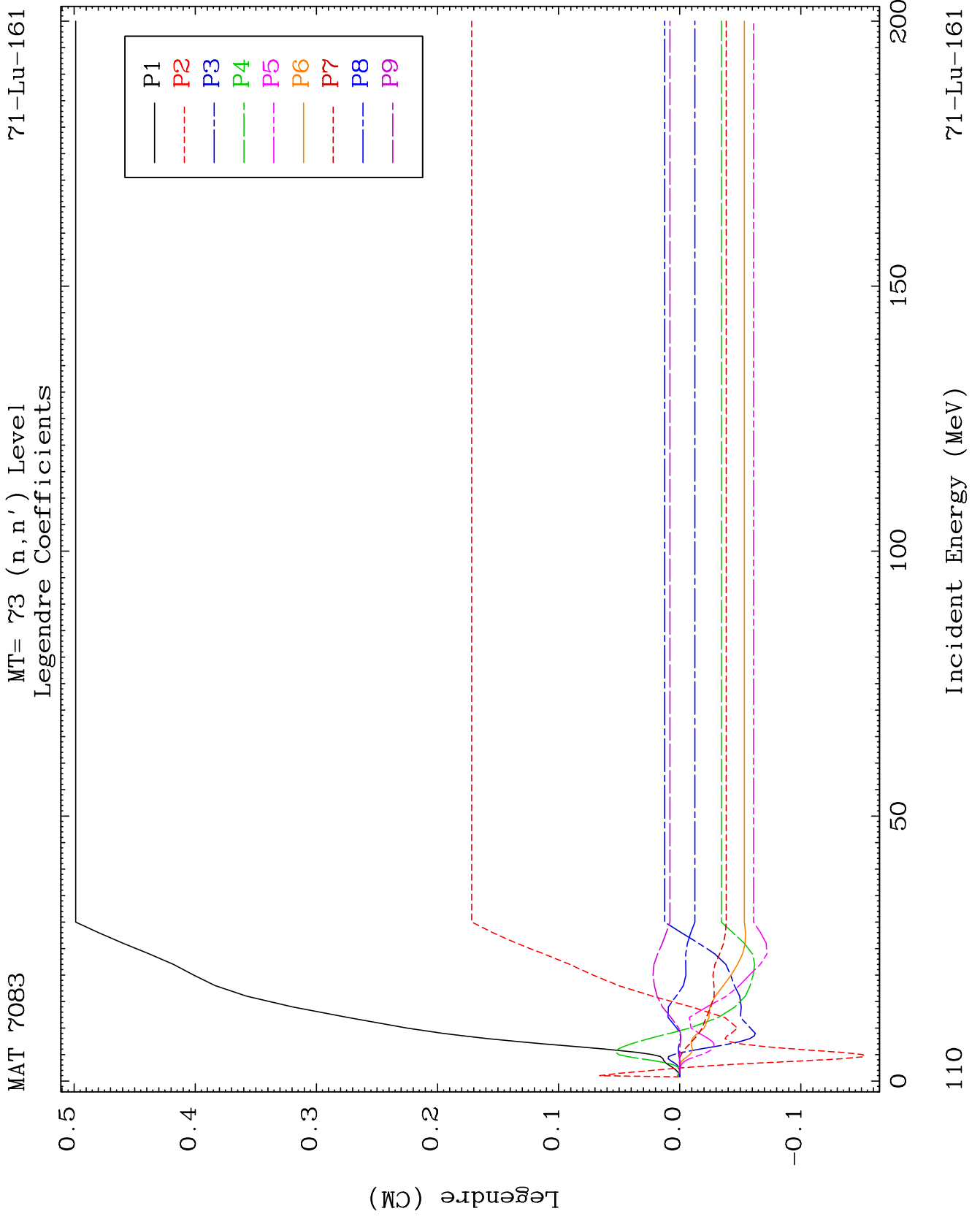
71-Lu-161



109

Incident Energy (MeV)

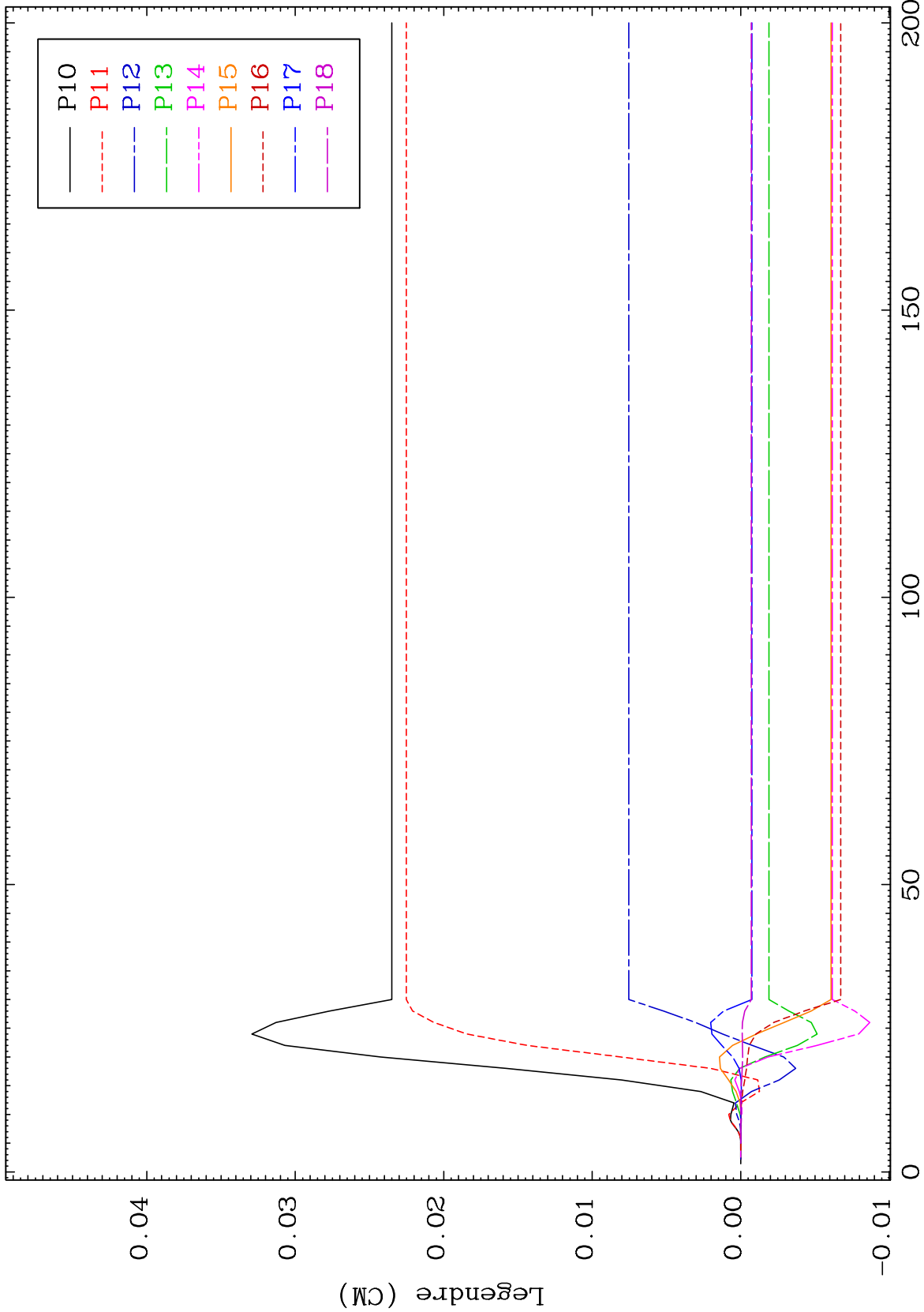
71-Lu-161



MAT 7083

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

71-Lu-161



111

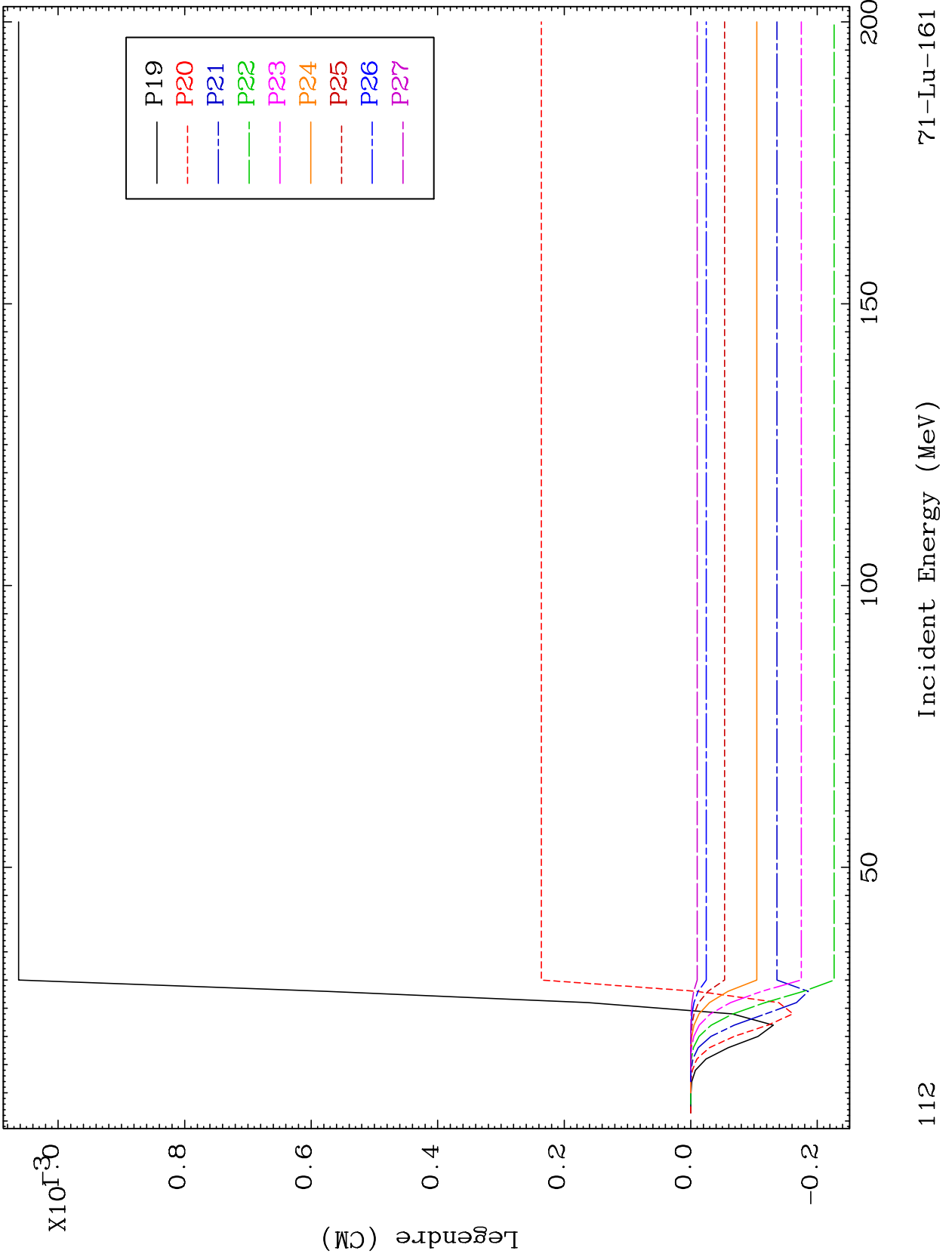
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

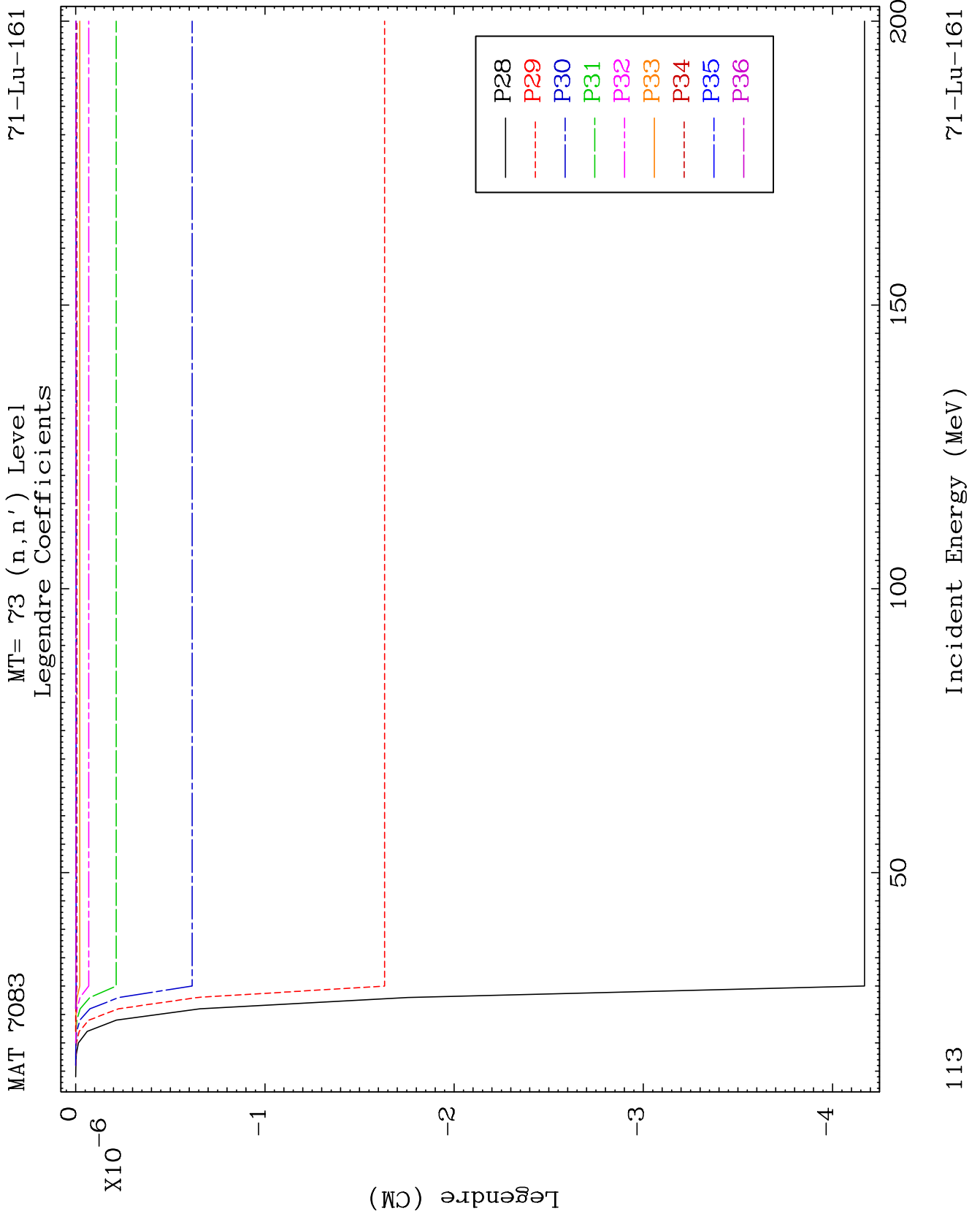
71-Lu-161



112

Incident Energy (MeV)

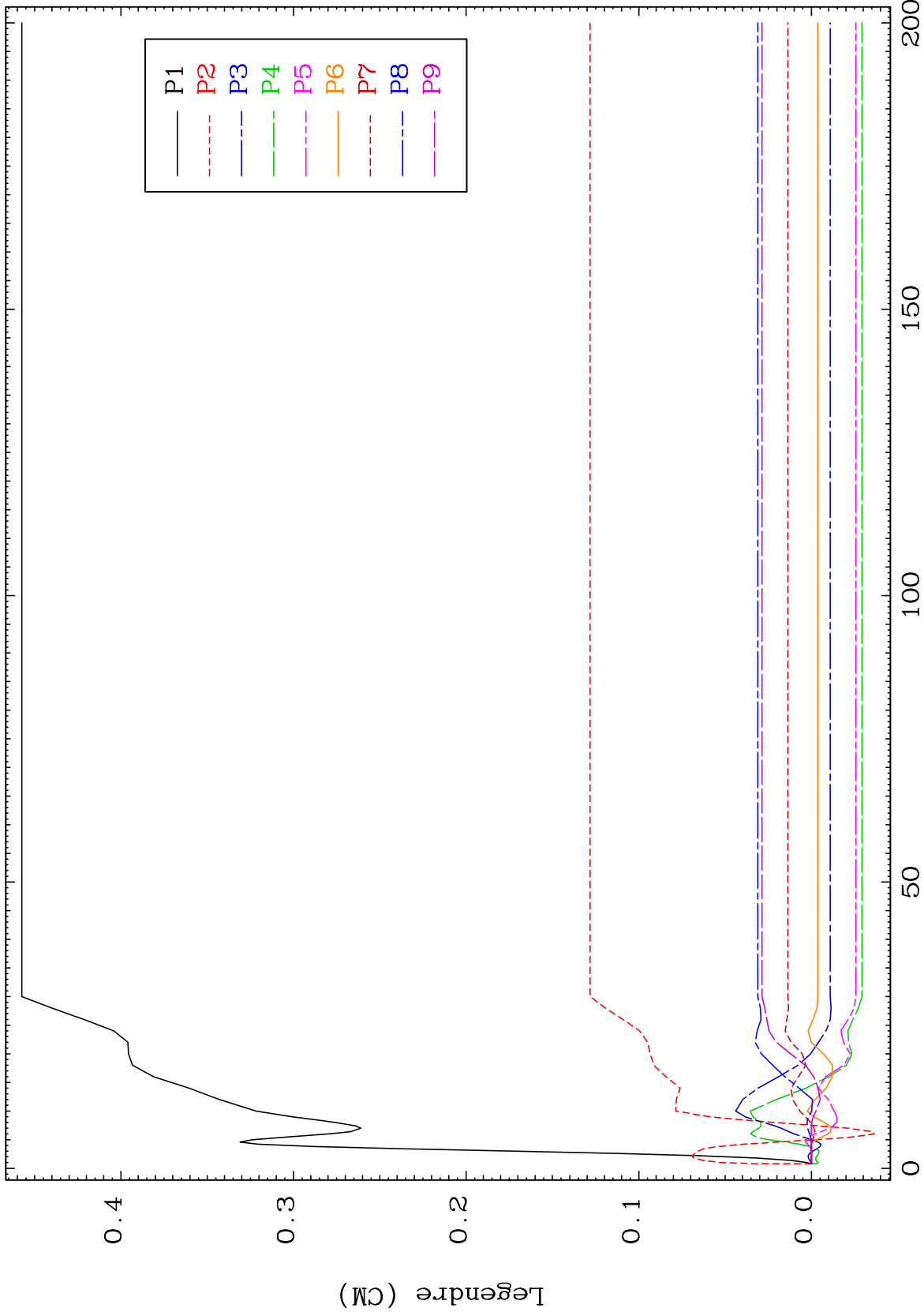
71-Lu-161



MAT 7083

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

71-Lu-161



114

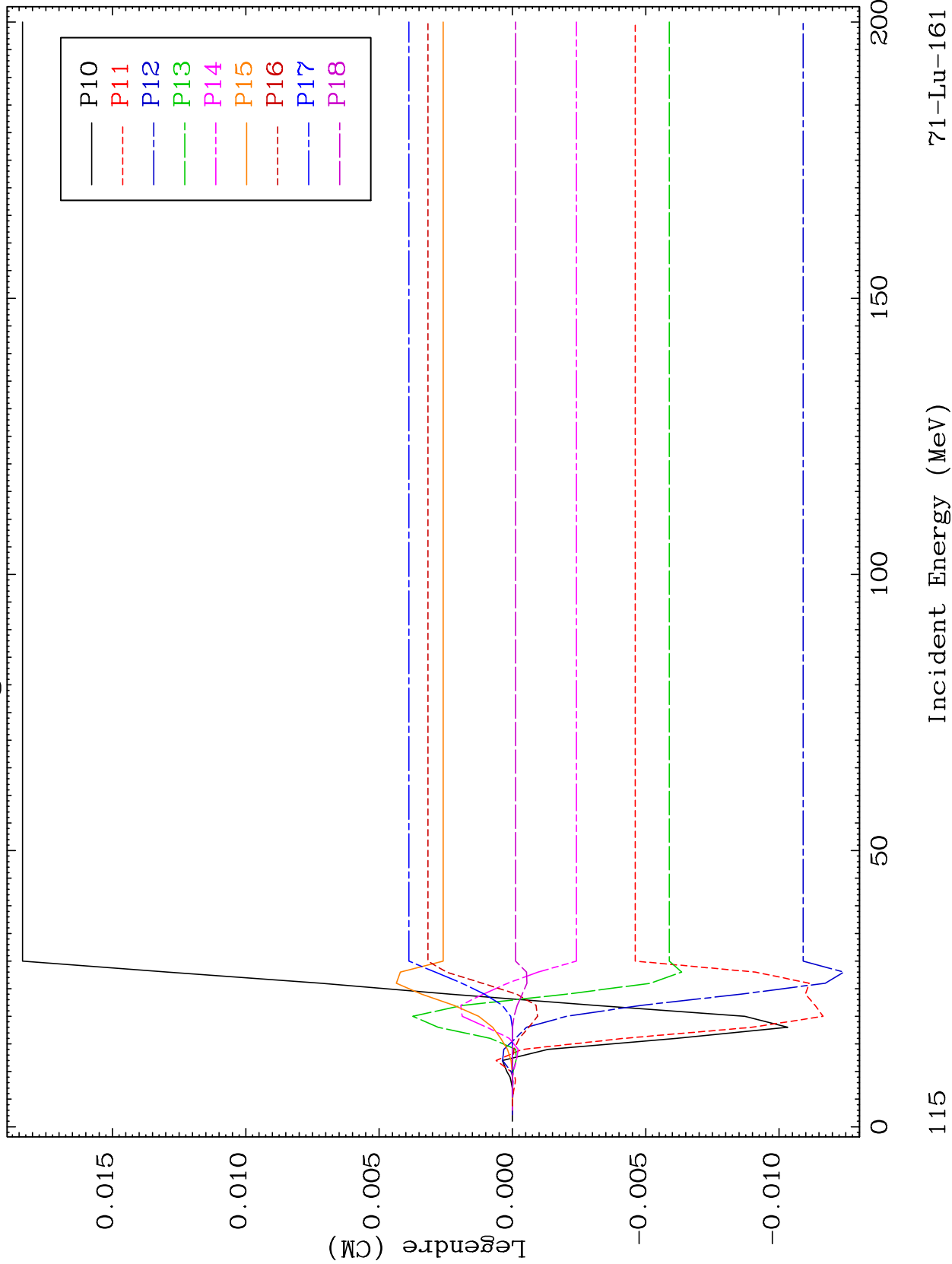
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

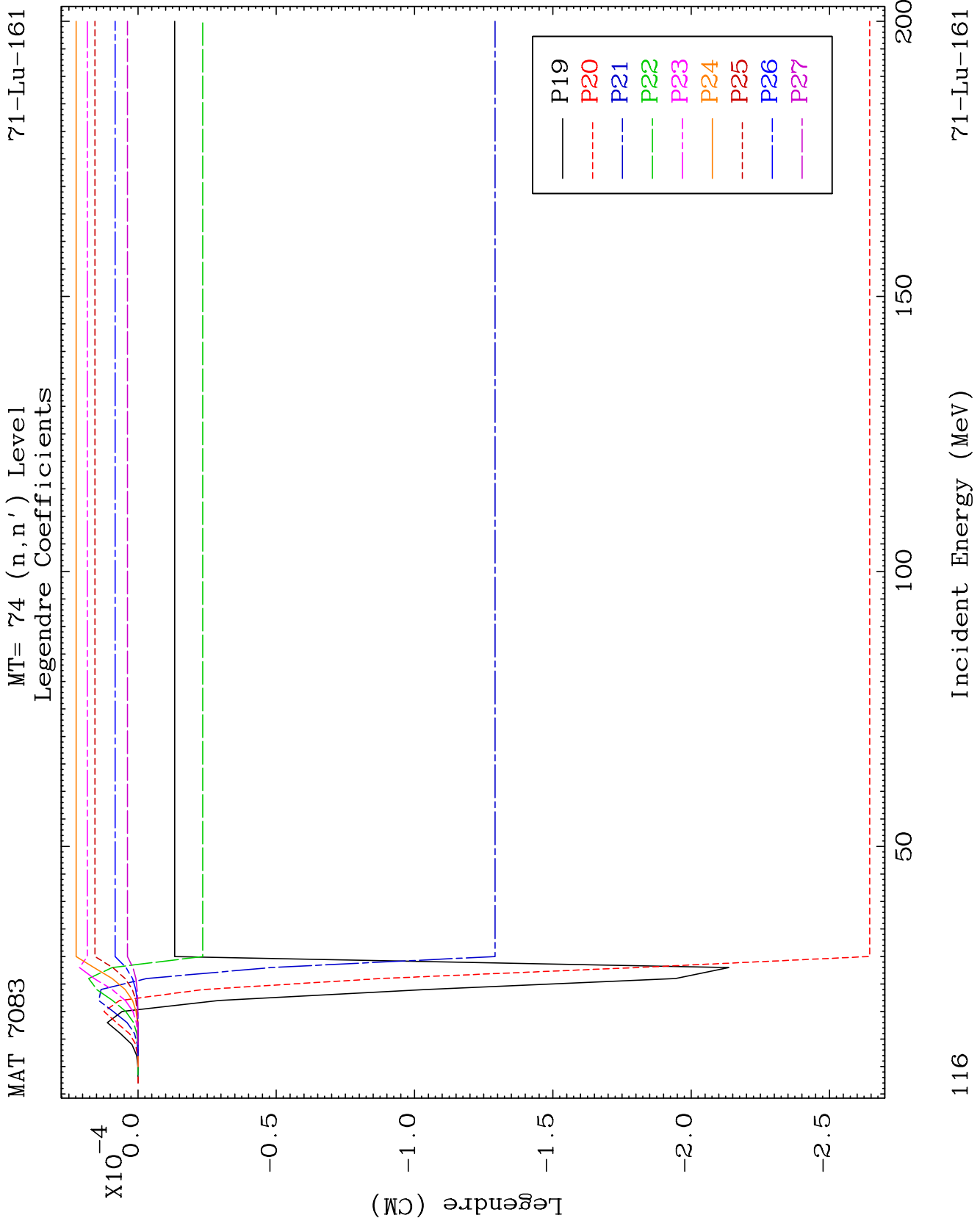
71-Lu-161



71-Lu-161

Incident Energy (MeV)

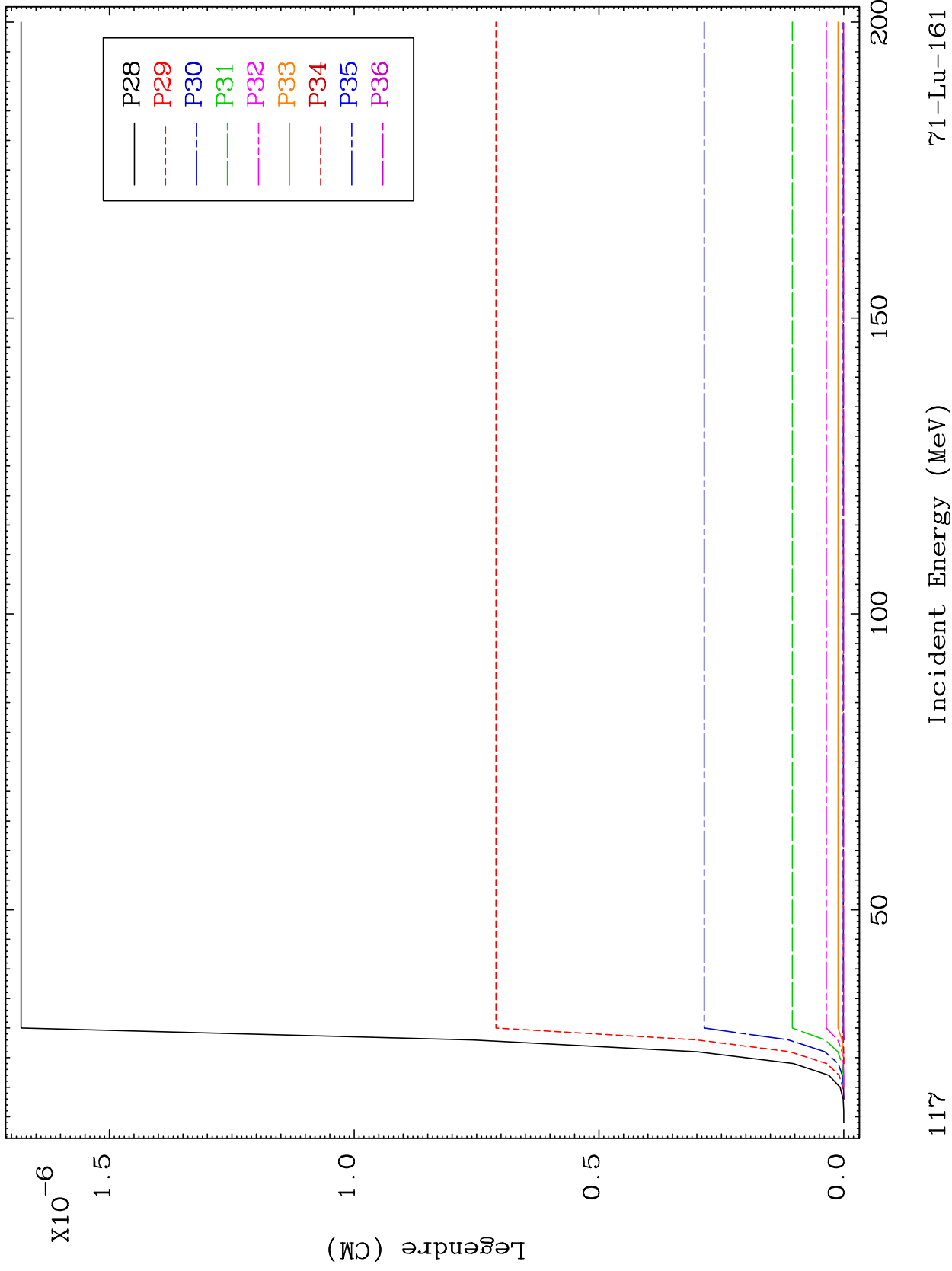
115



MAT 7083

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

71-Lu-161

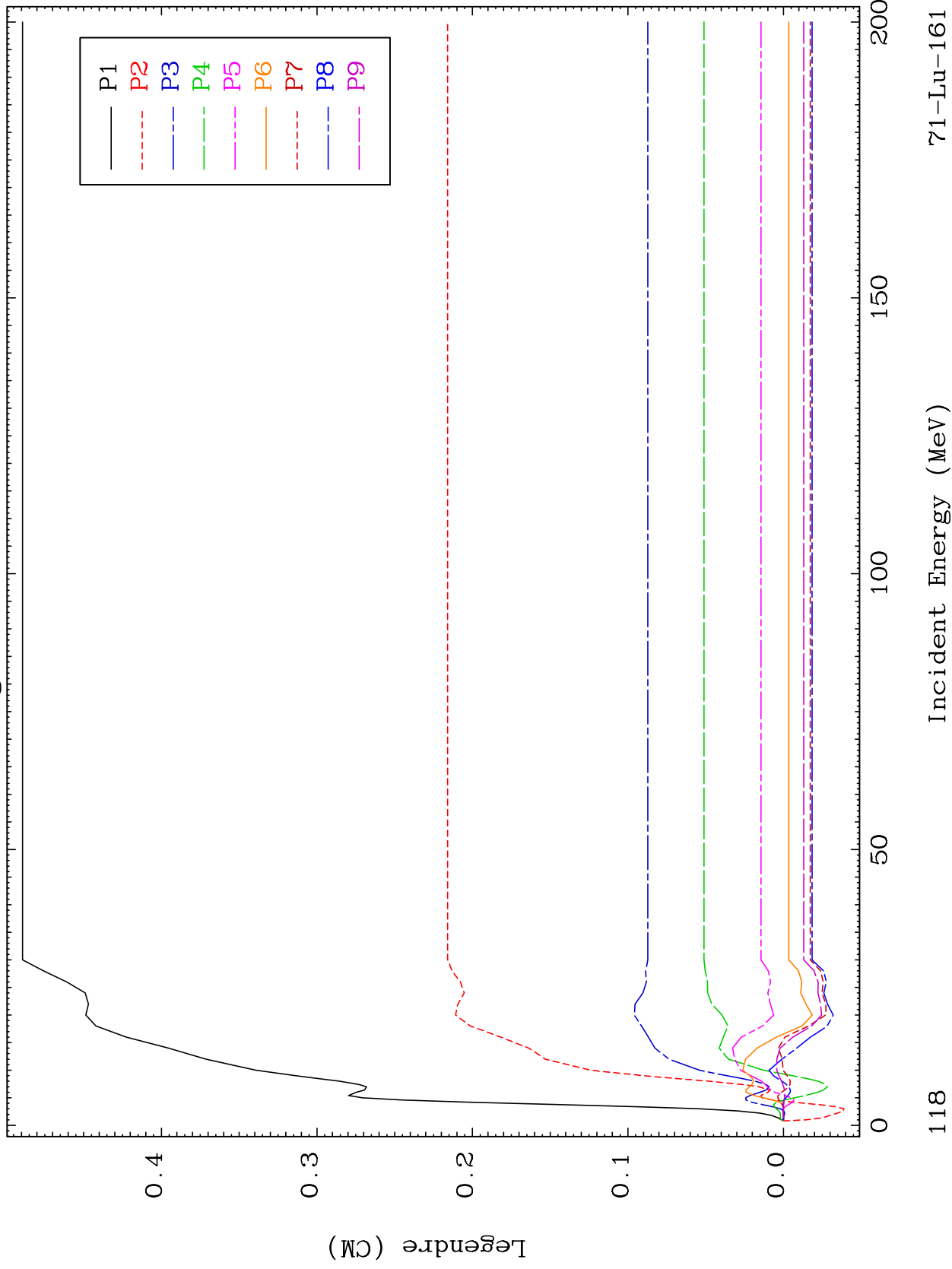


117

MAT 7083

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

71-Lu-161



71-Lu-161

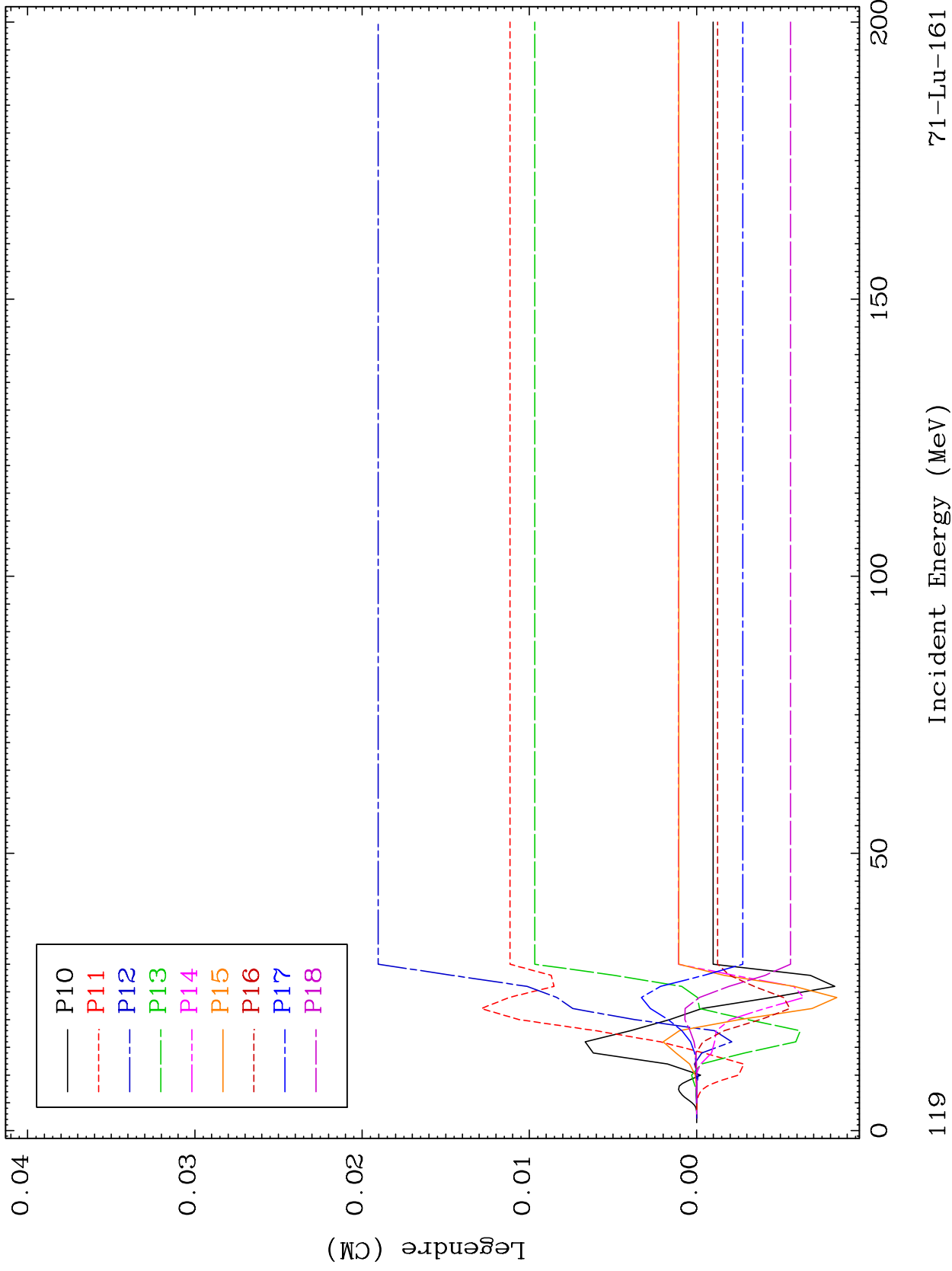
Incident Energy (MeV)

118

MAT 7083

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

71-Lu-161



119

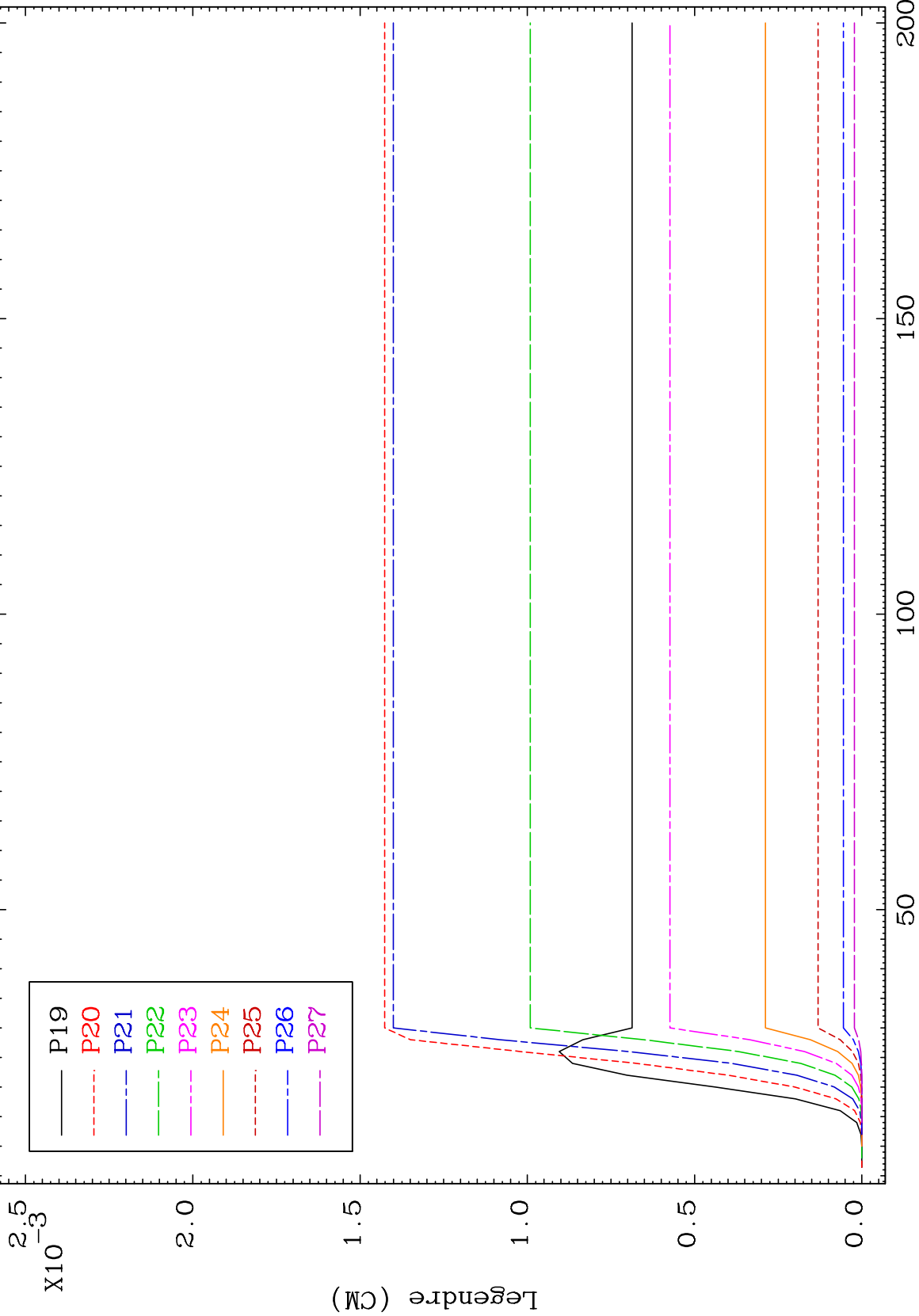
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



120

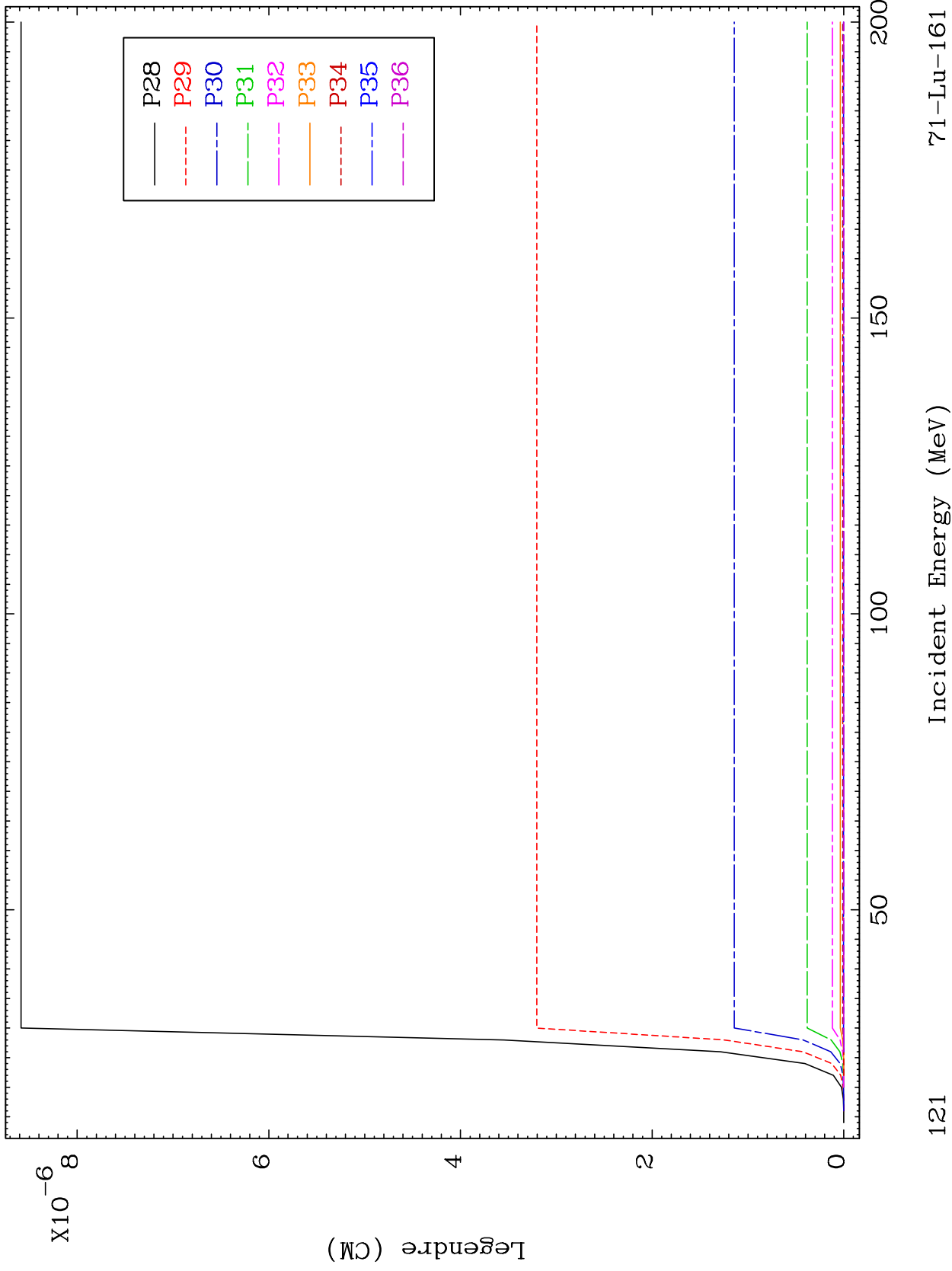
Incident Energy (MeV)

71-Lu-161

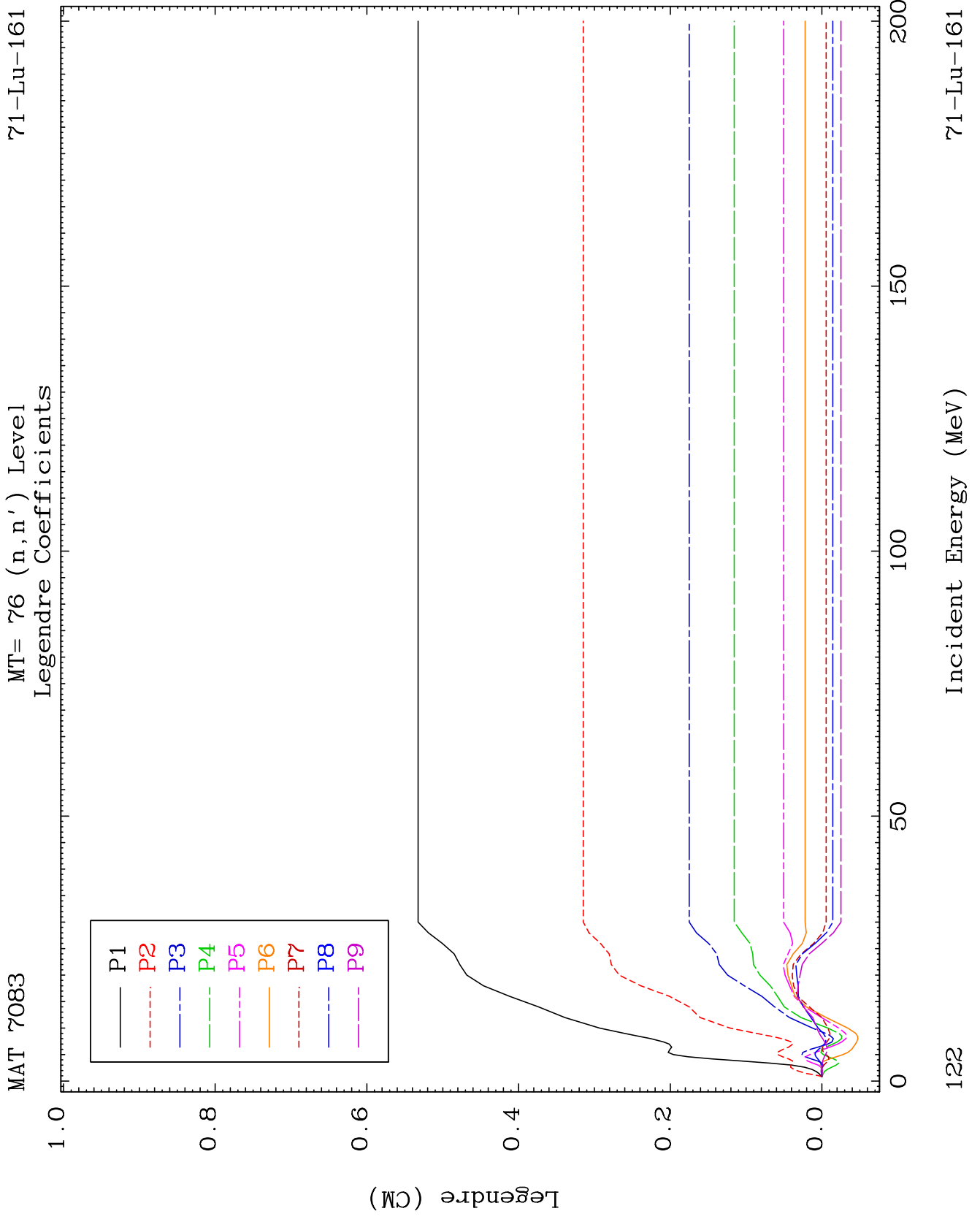
MAT 7083

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

71-Lu-161



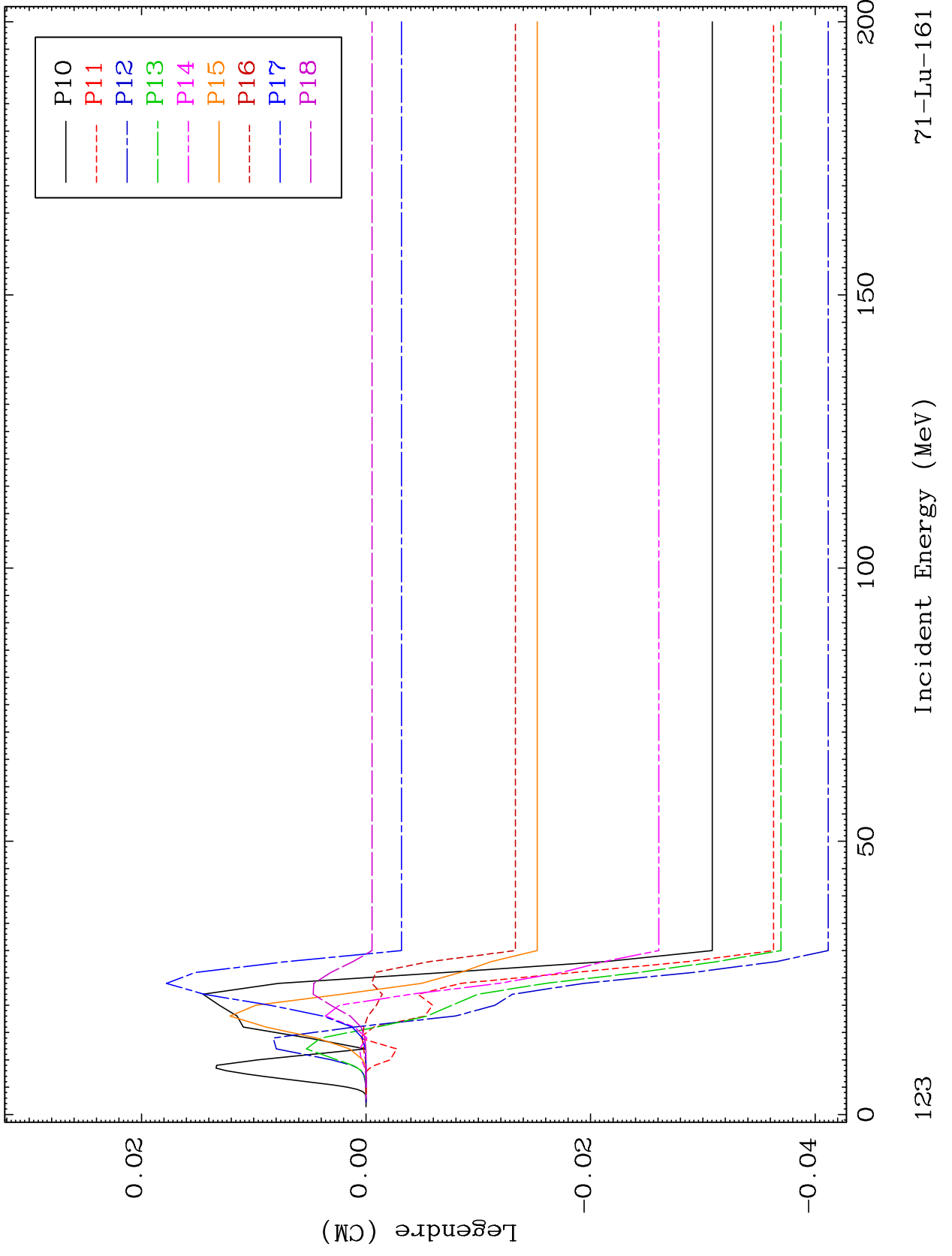
121



MAT 7083

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

71-Lu-161



71-Lu-161

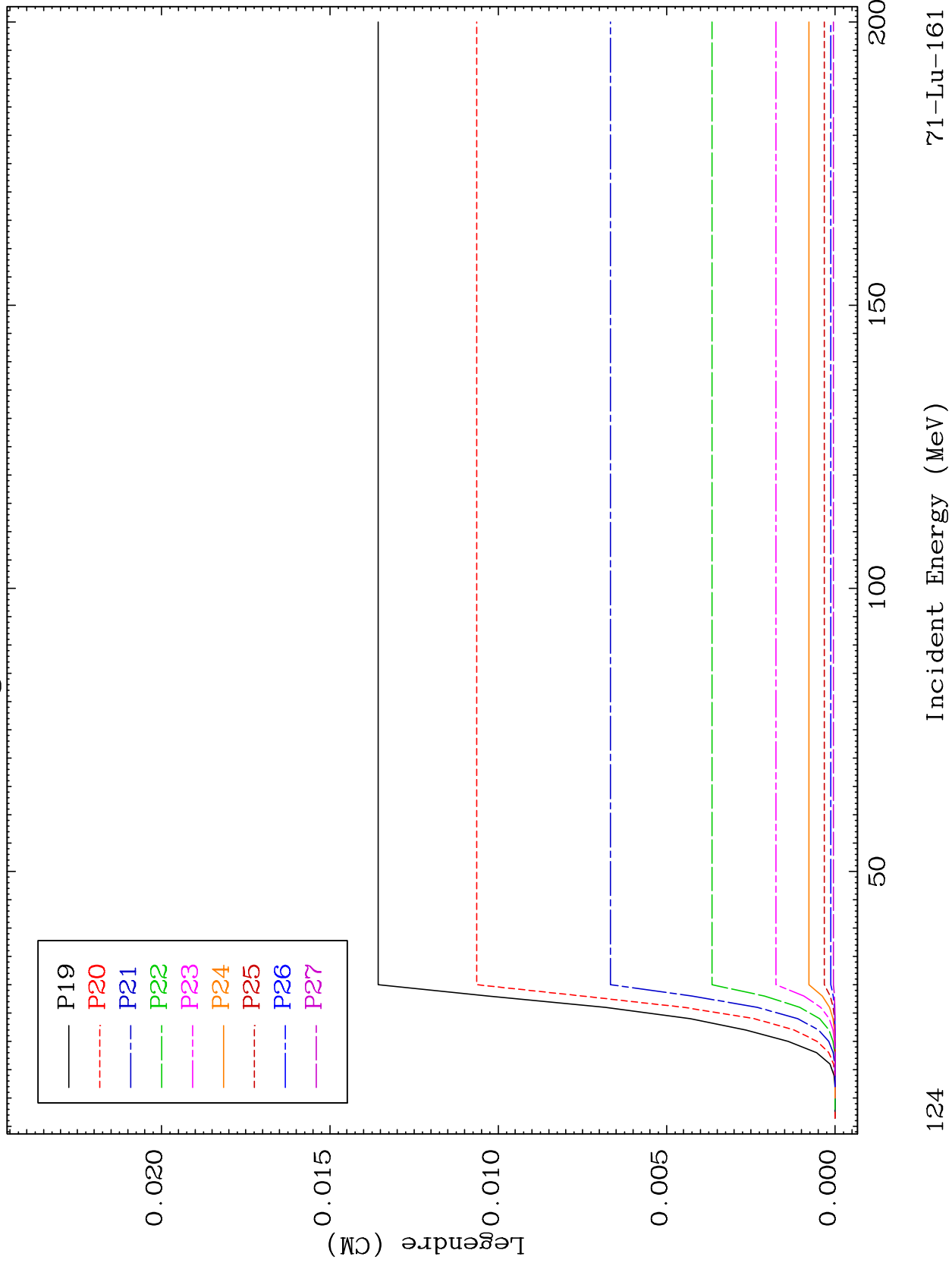
Incident Energy (MeV)

123

MAT 7083

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

71-Lu-161

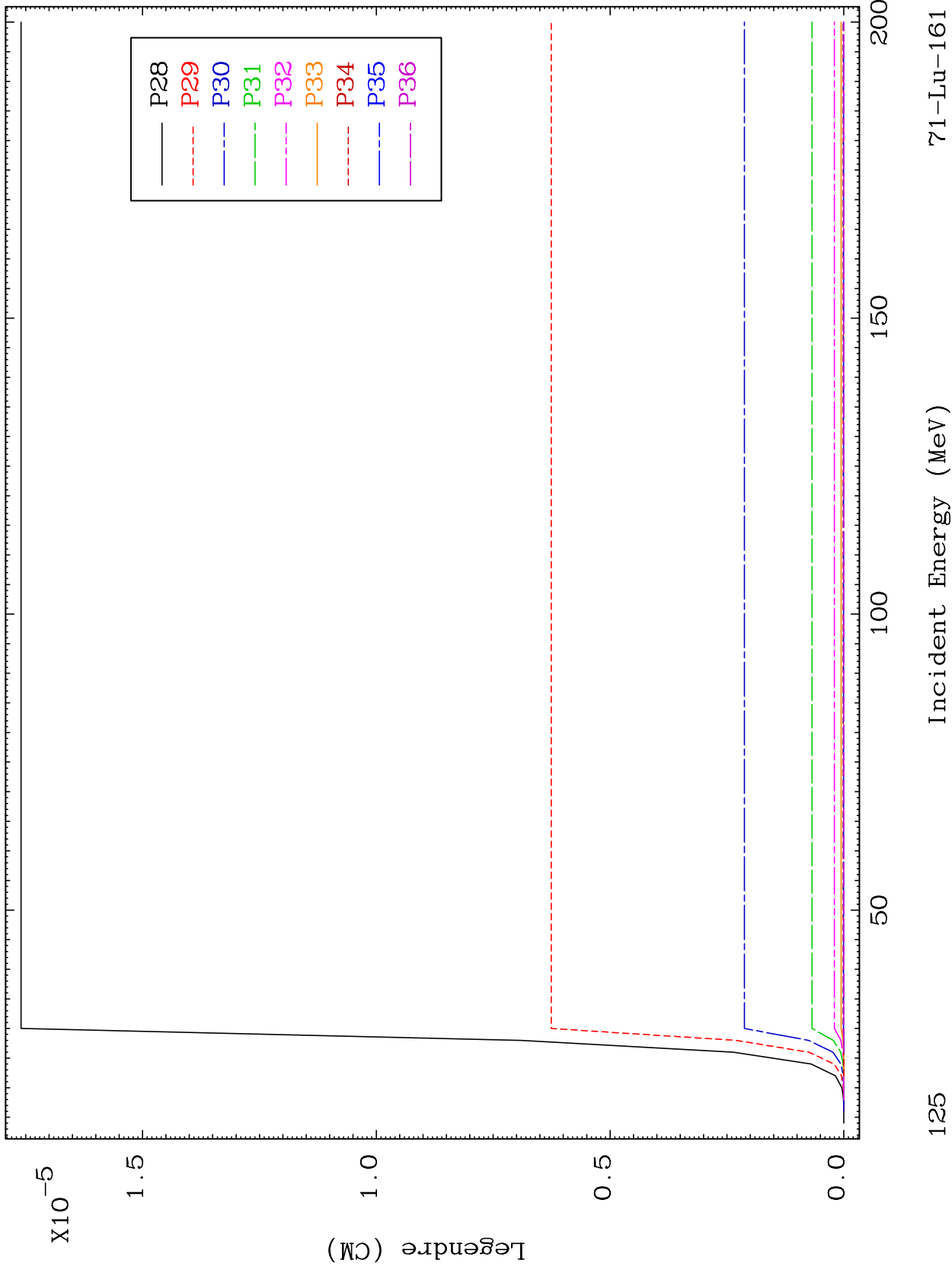


124

MAT 7083

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

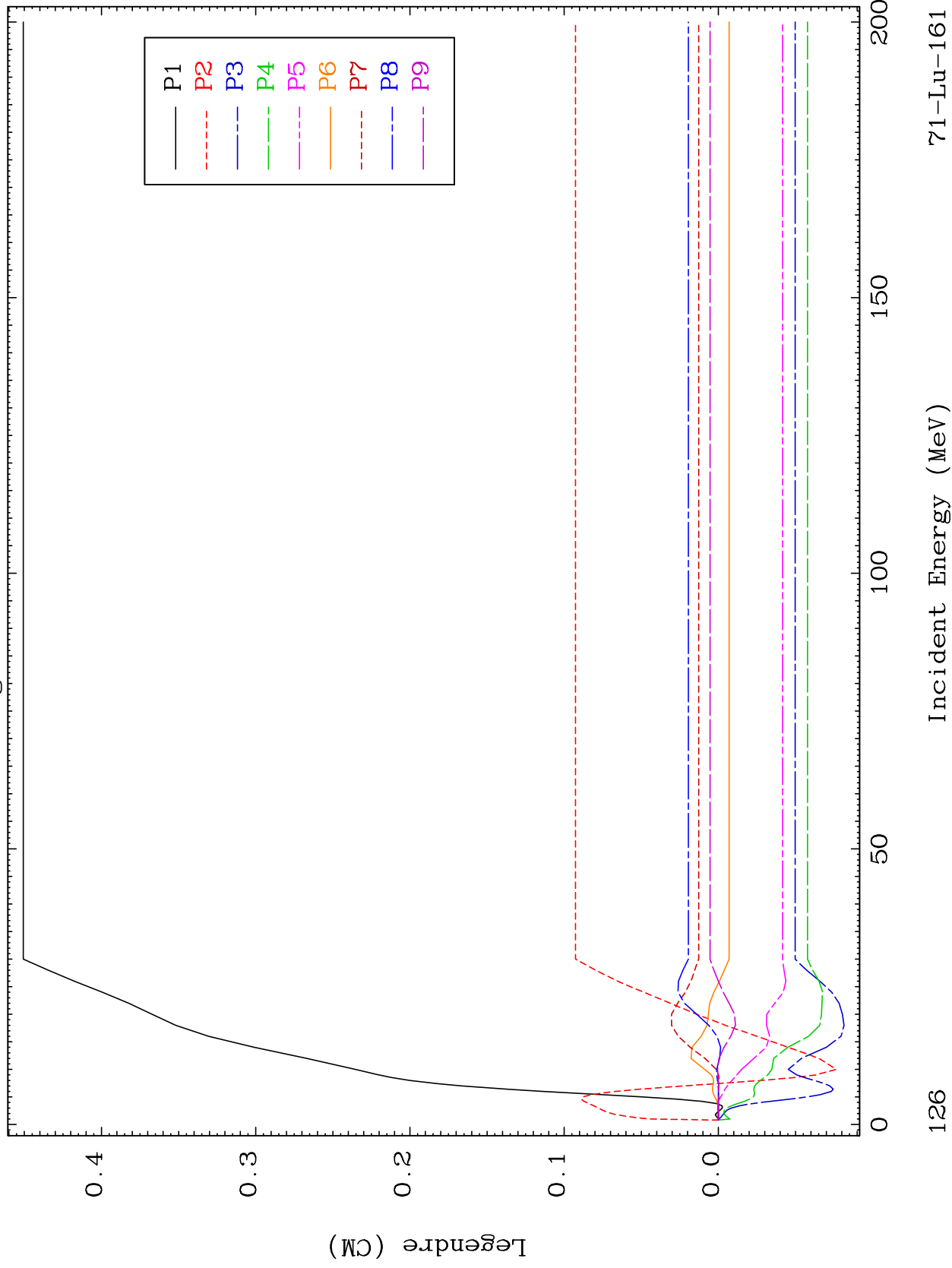
71-Lu-161



MAT 7083

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

71-Lu-161



71-Lu-161

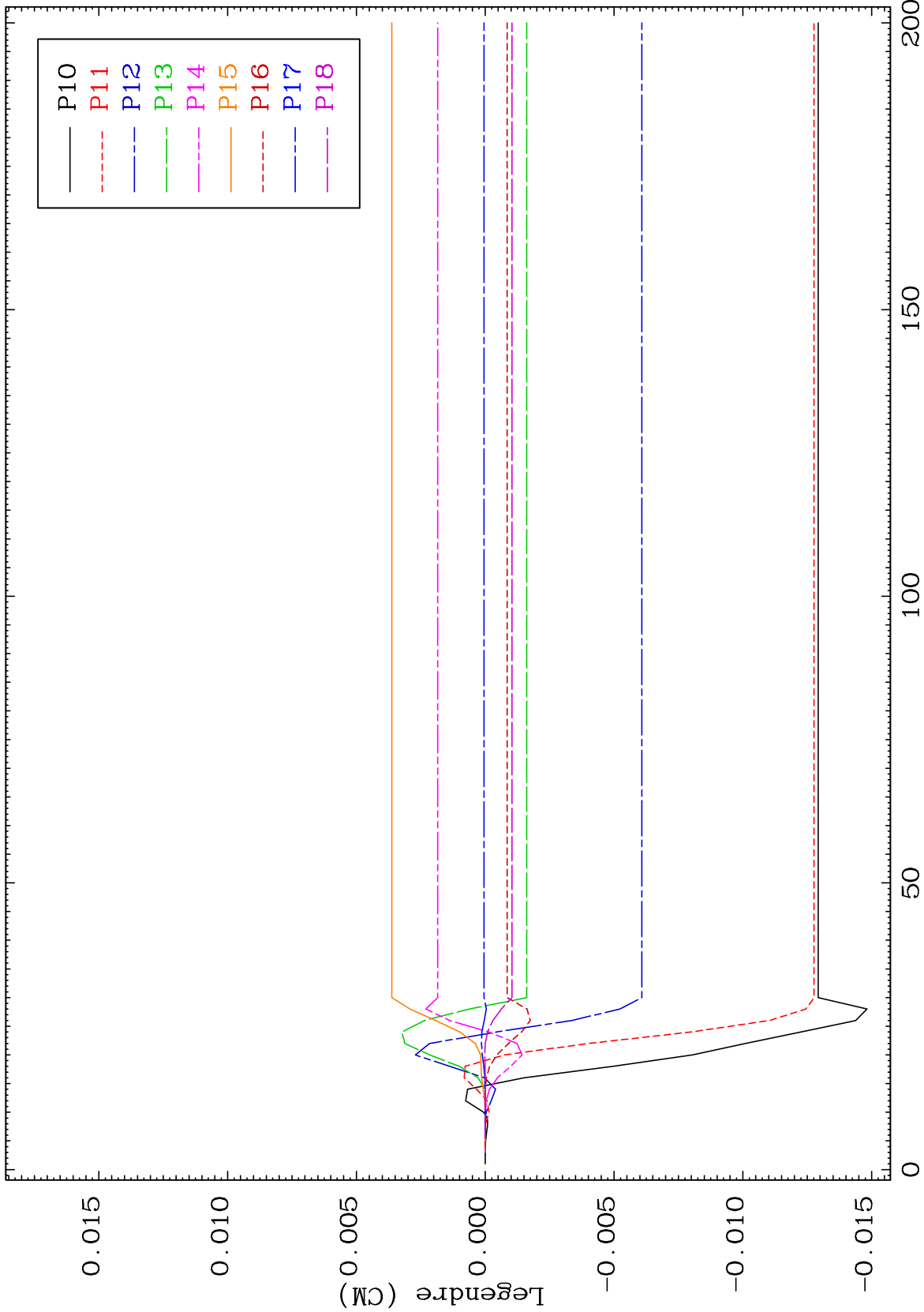
Incident Energy (MeV)

126

MAT 7083

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

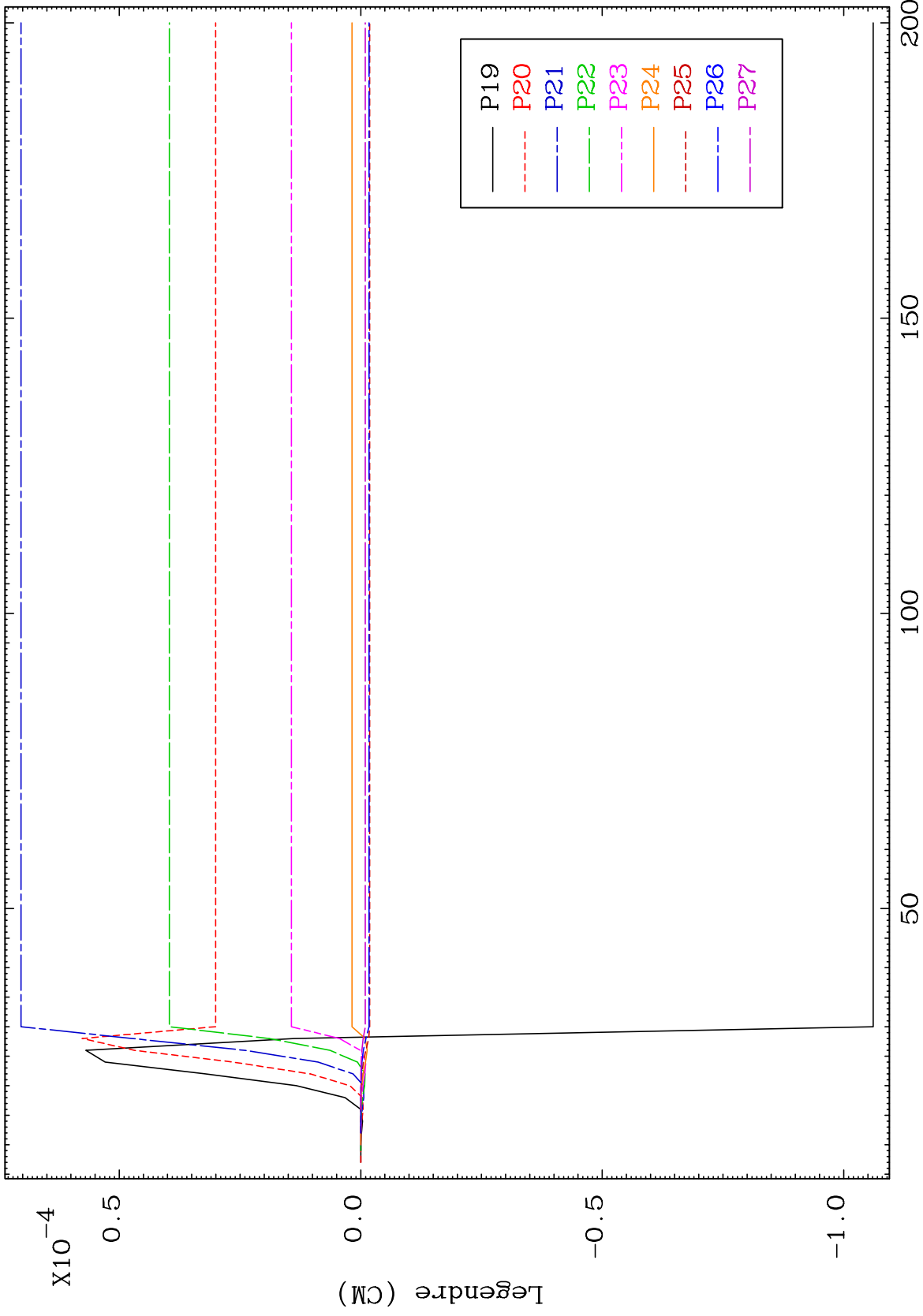
71-Lu-161

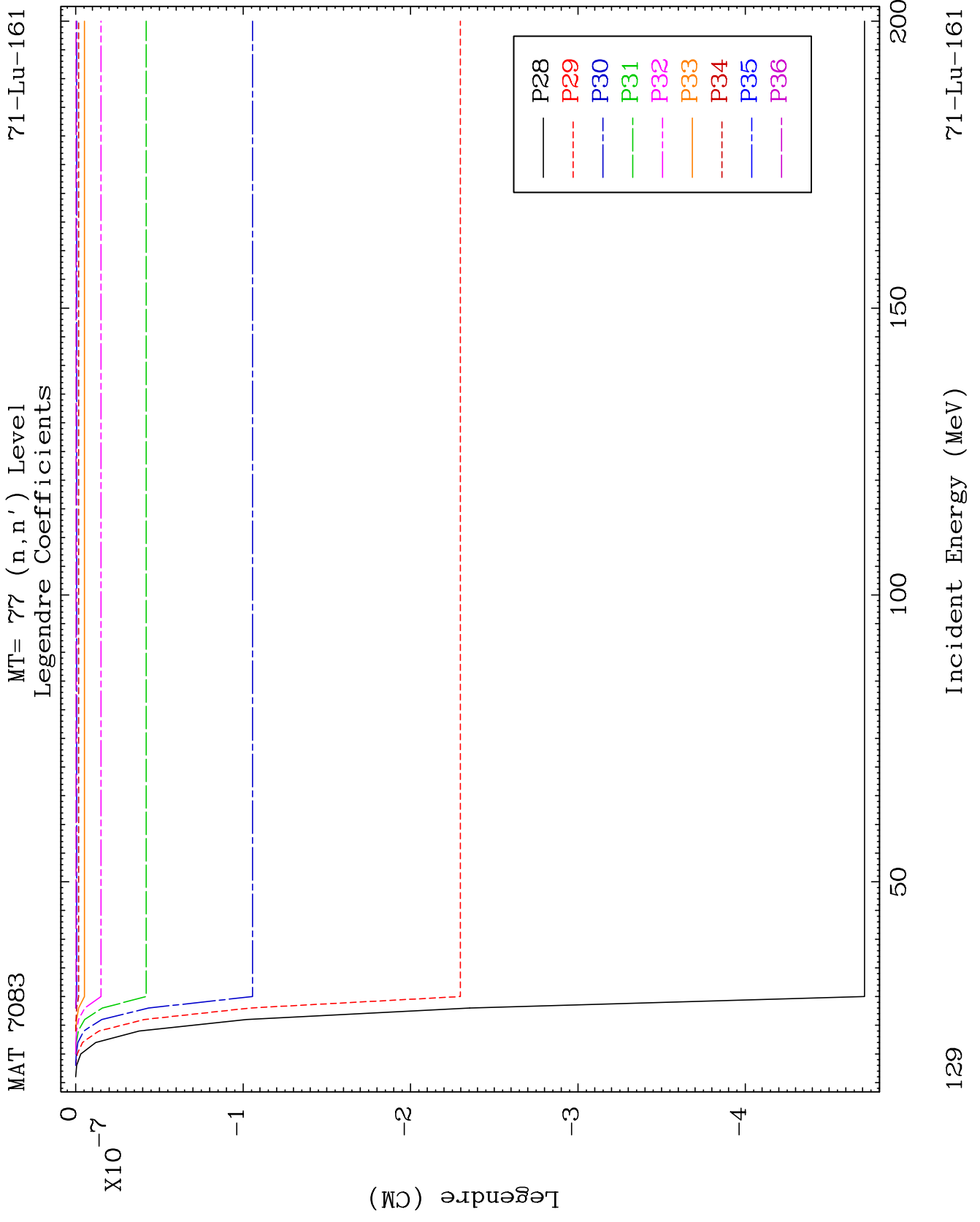


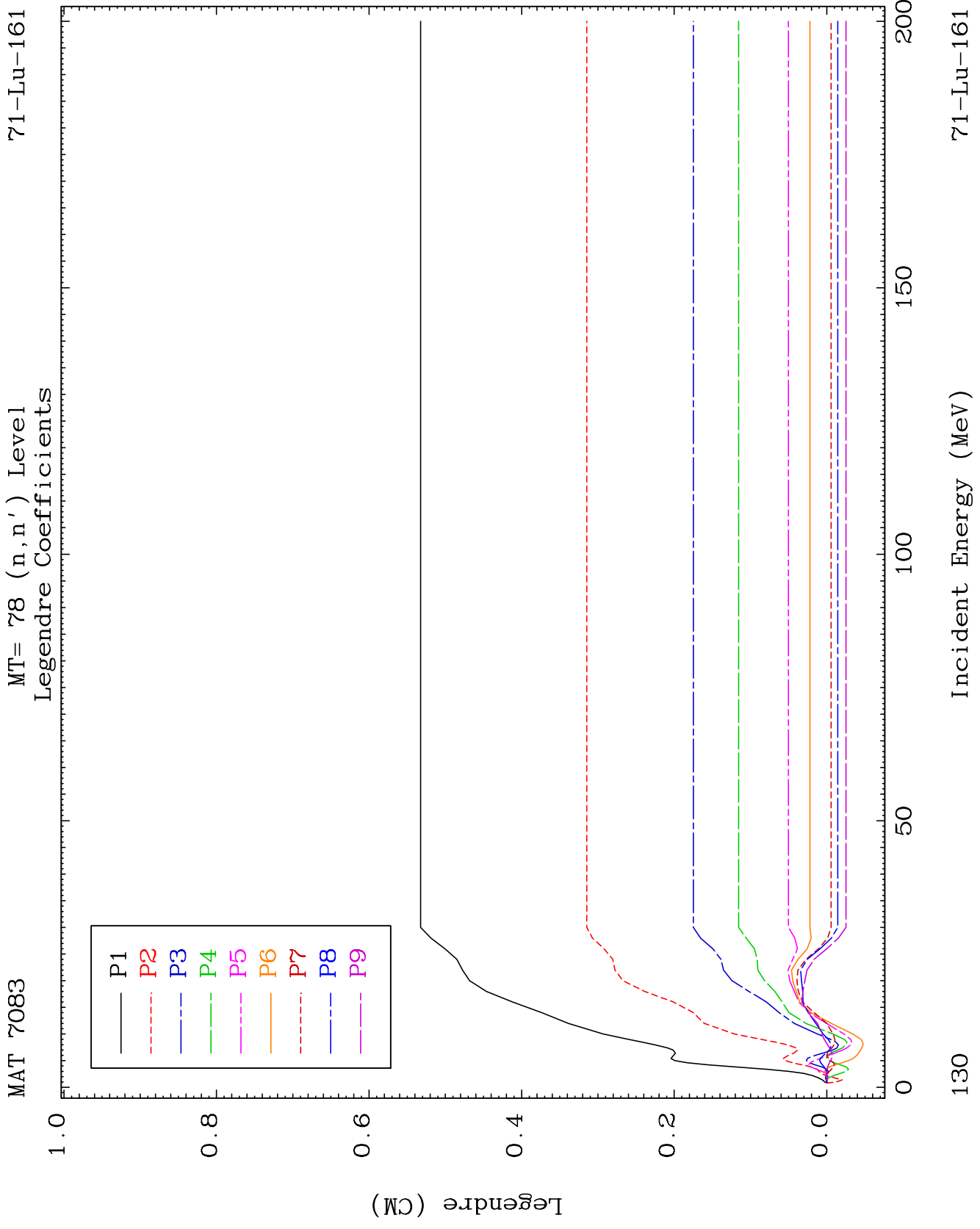
127

Incident Energy (MeV)

71-Lu-161



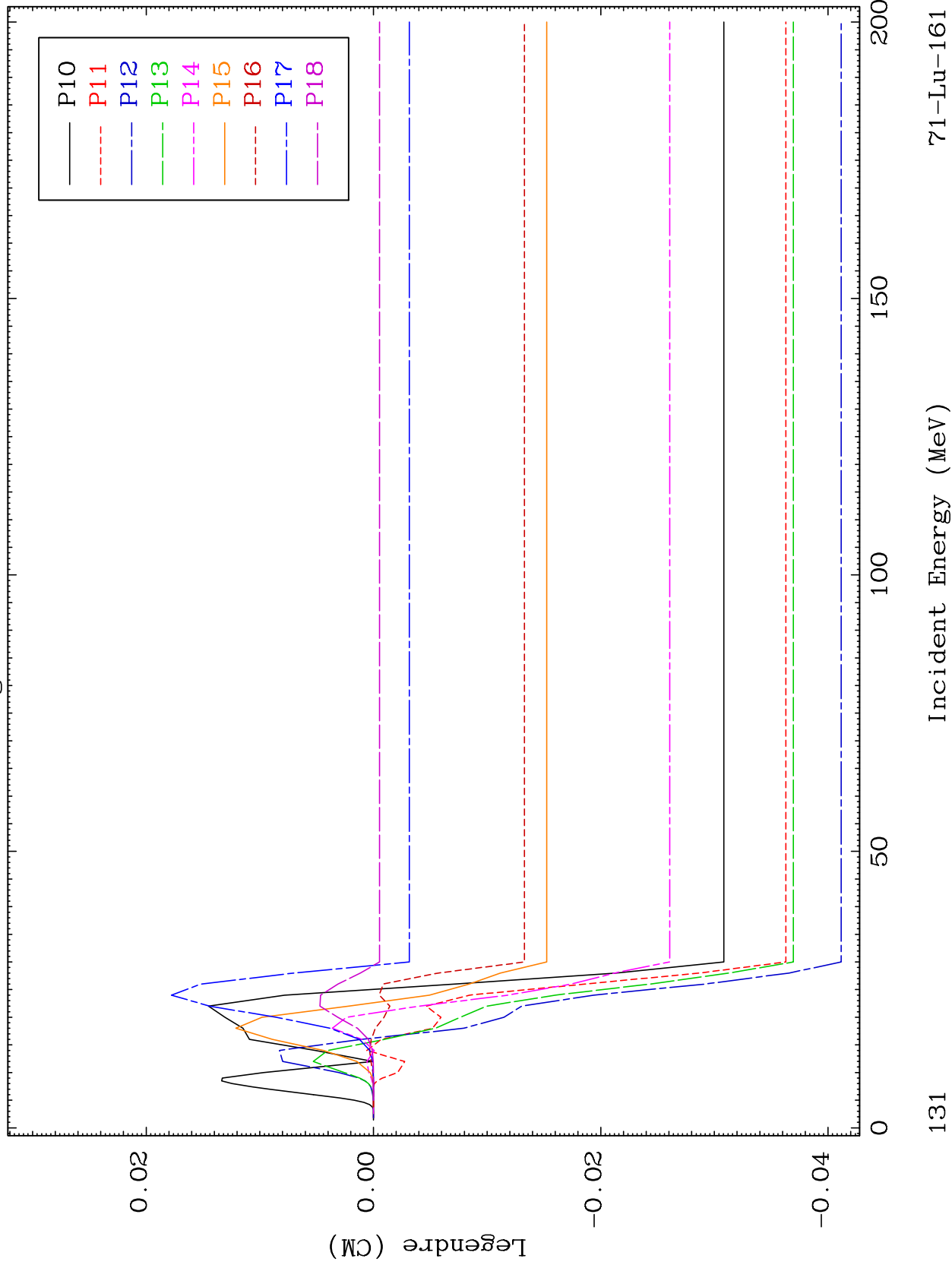




MAT 7083

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

71-Lu-161



71-Lu-161

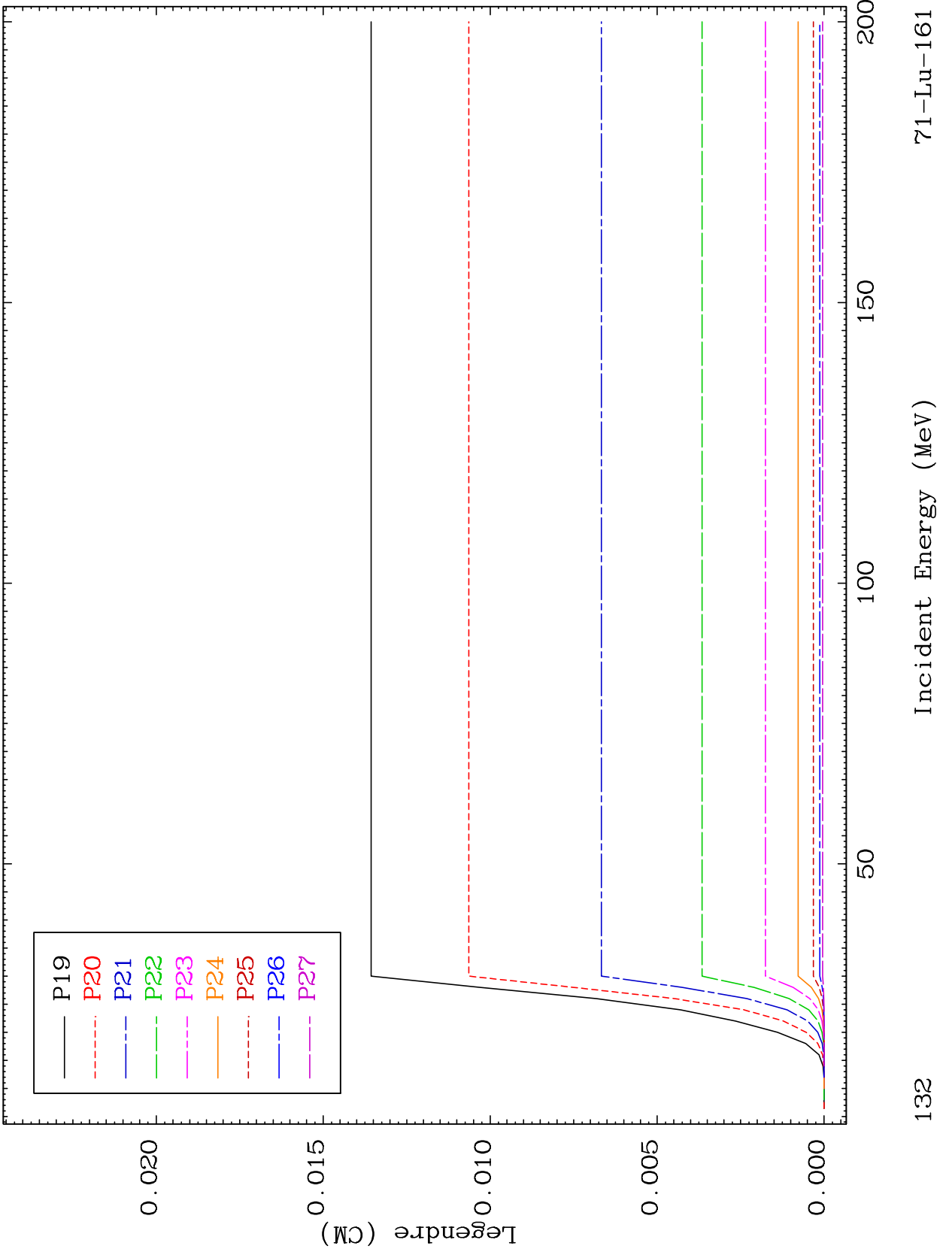
Incident Energy (MeV)

131

MAT 7083

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

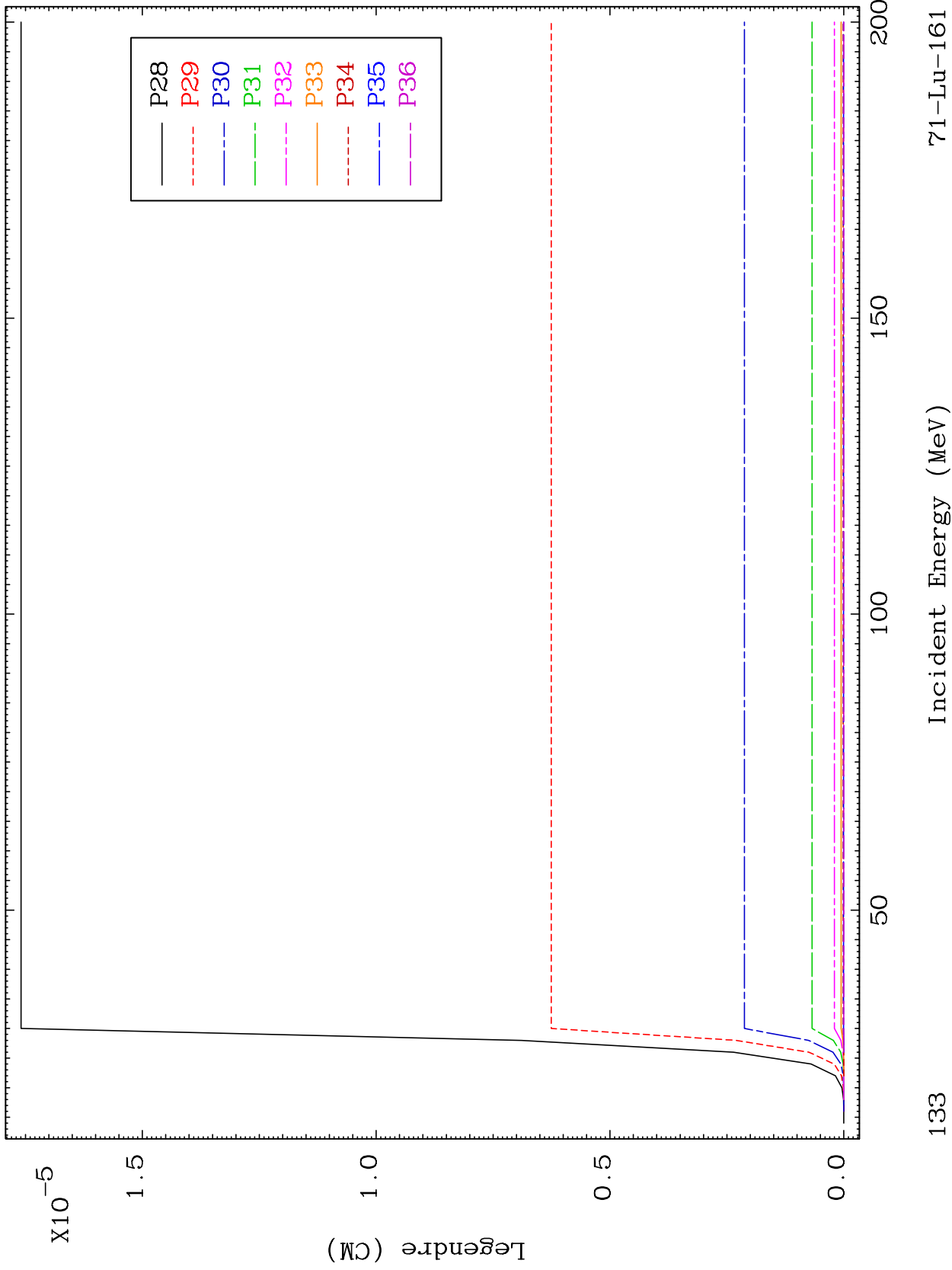
71-Lu-161



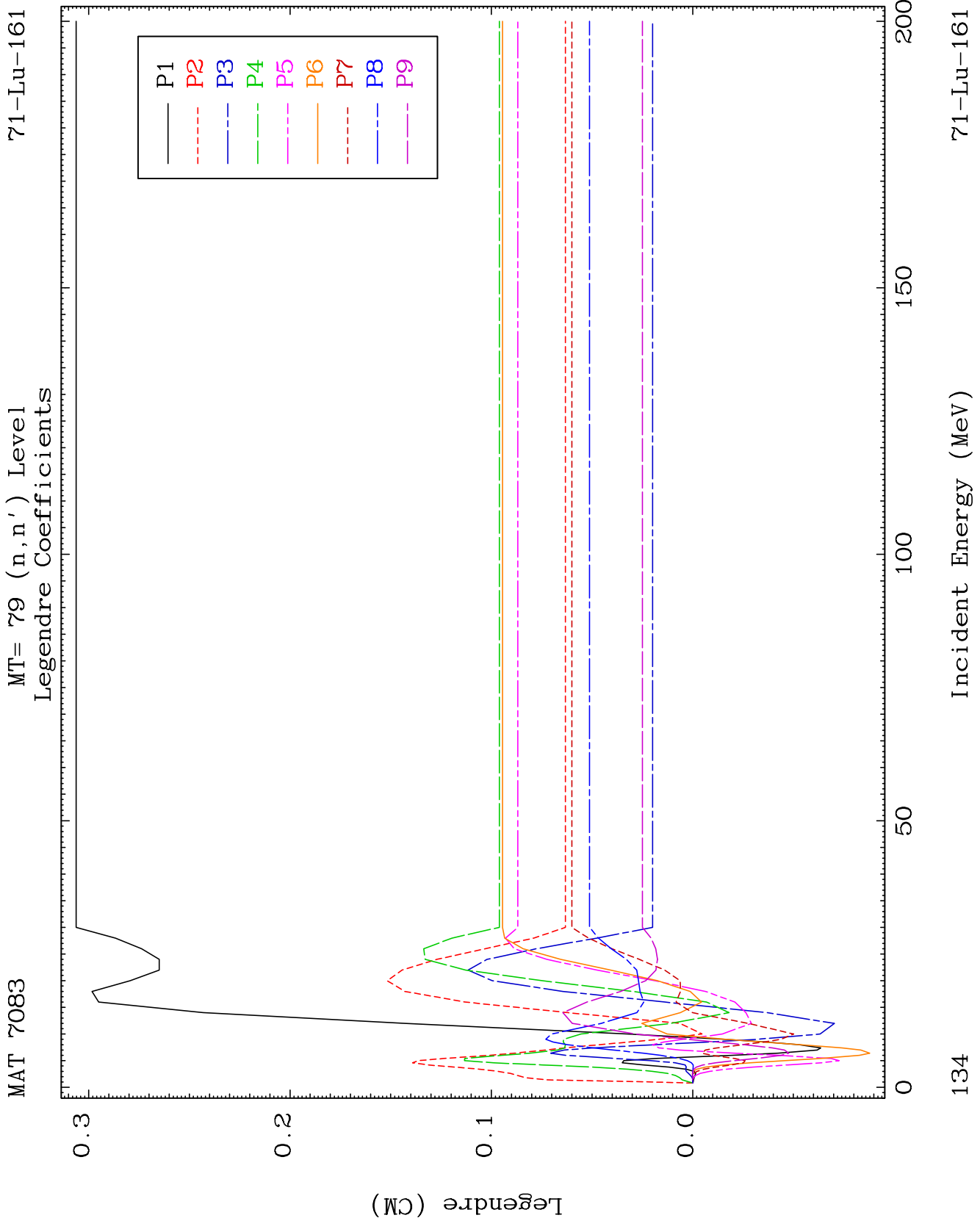
MAT 7083

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

71-Lu-161



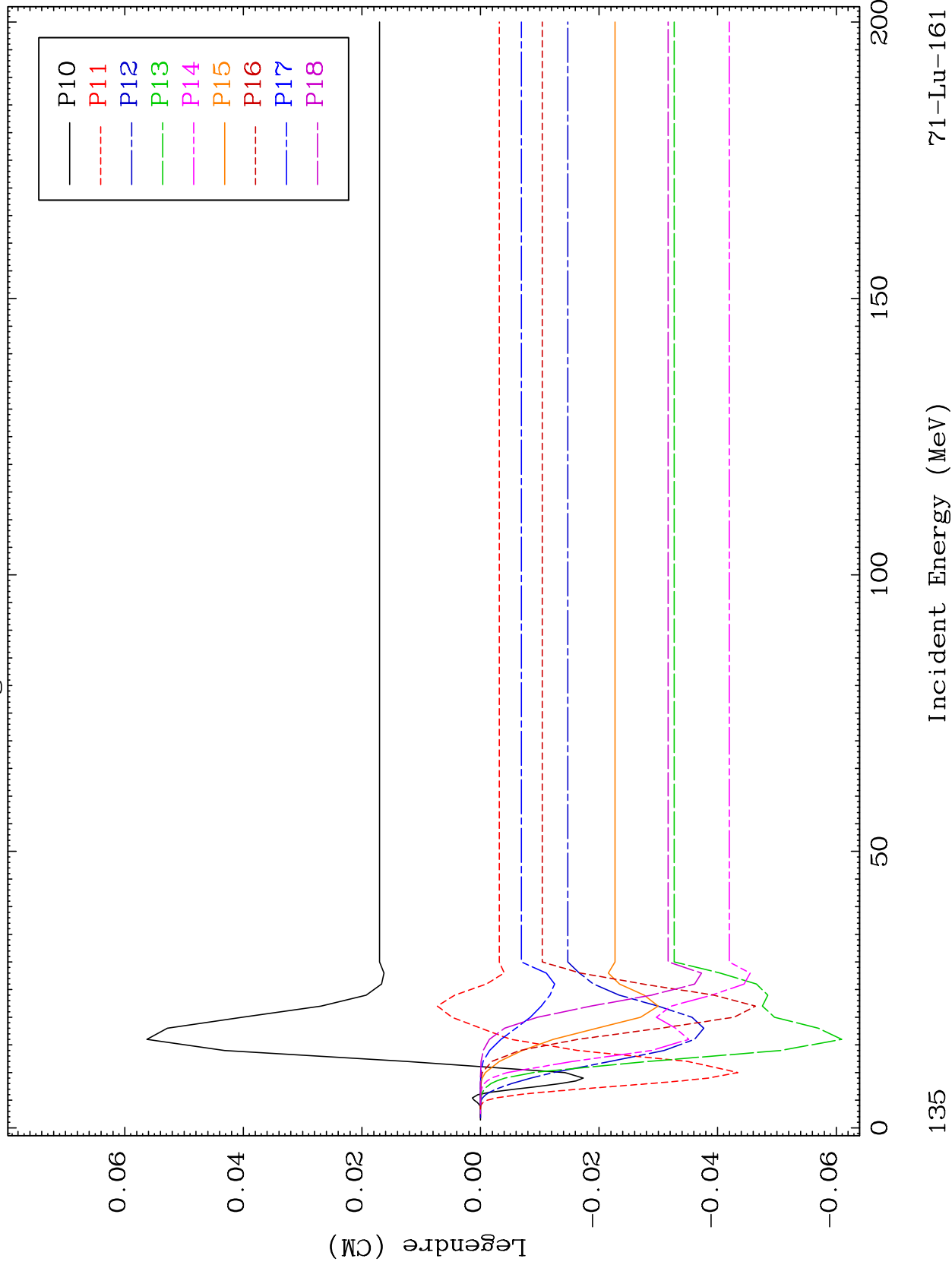
133



MAT 7083

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

71-Lu-161



71-Lu-161

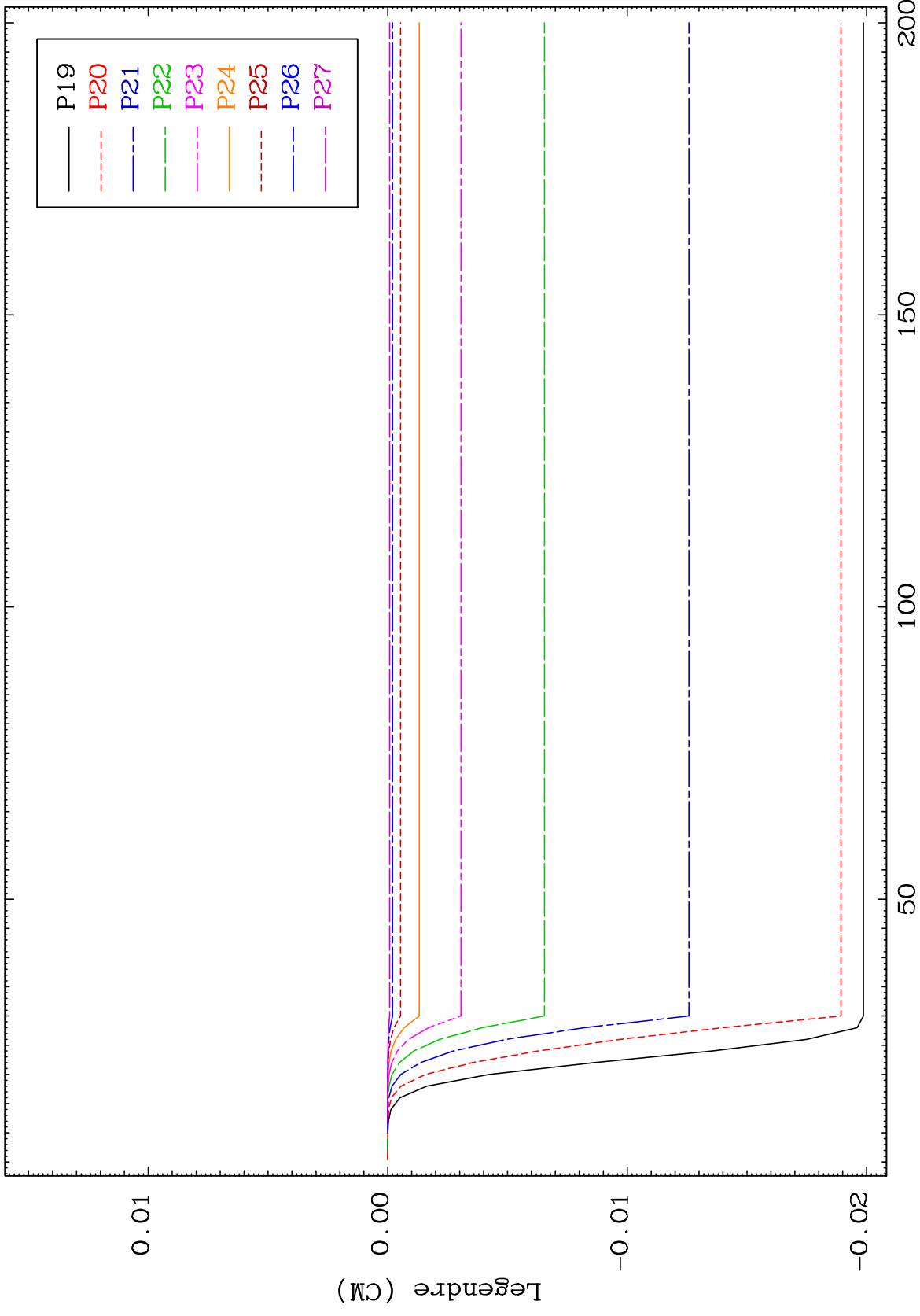
Incident Energy (MeV)

135

MAT 7083

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

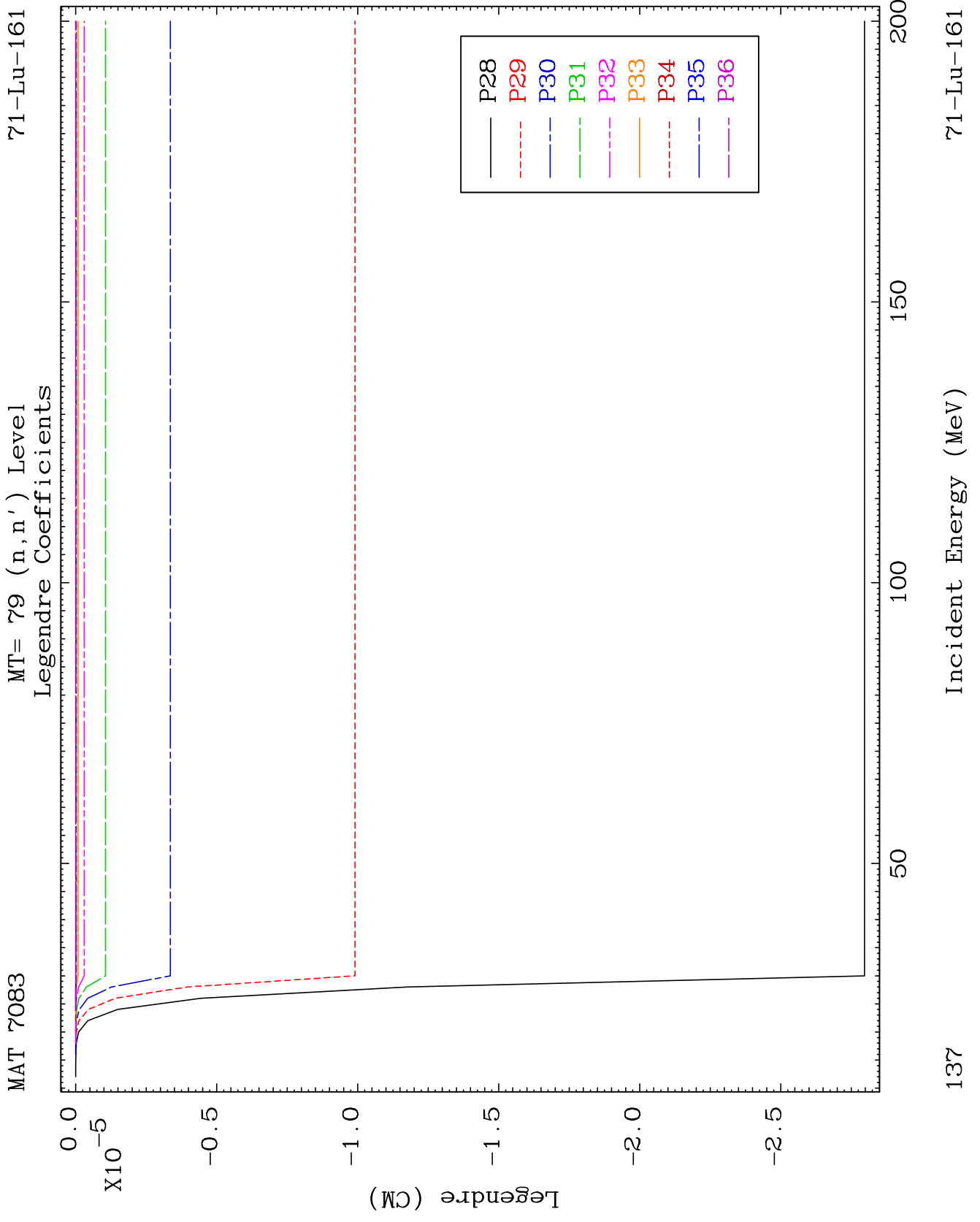
71-Lu-161



136

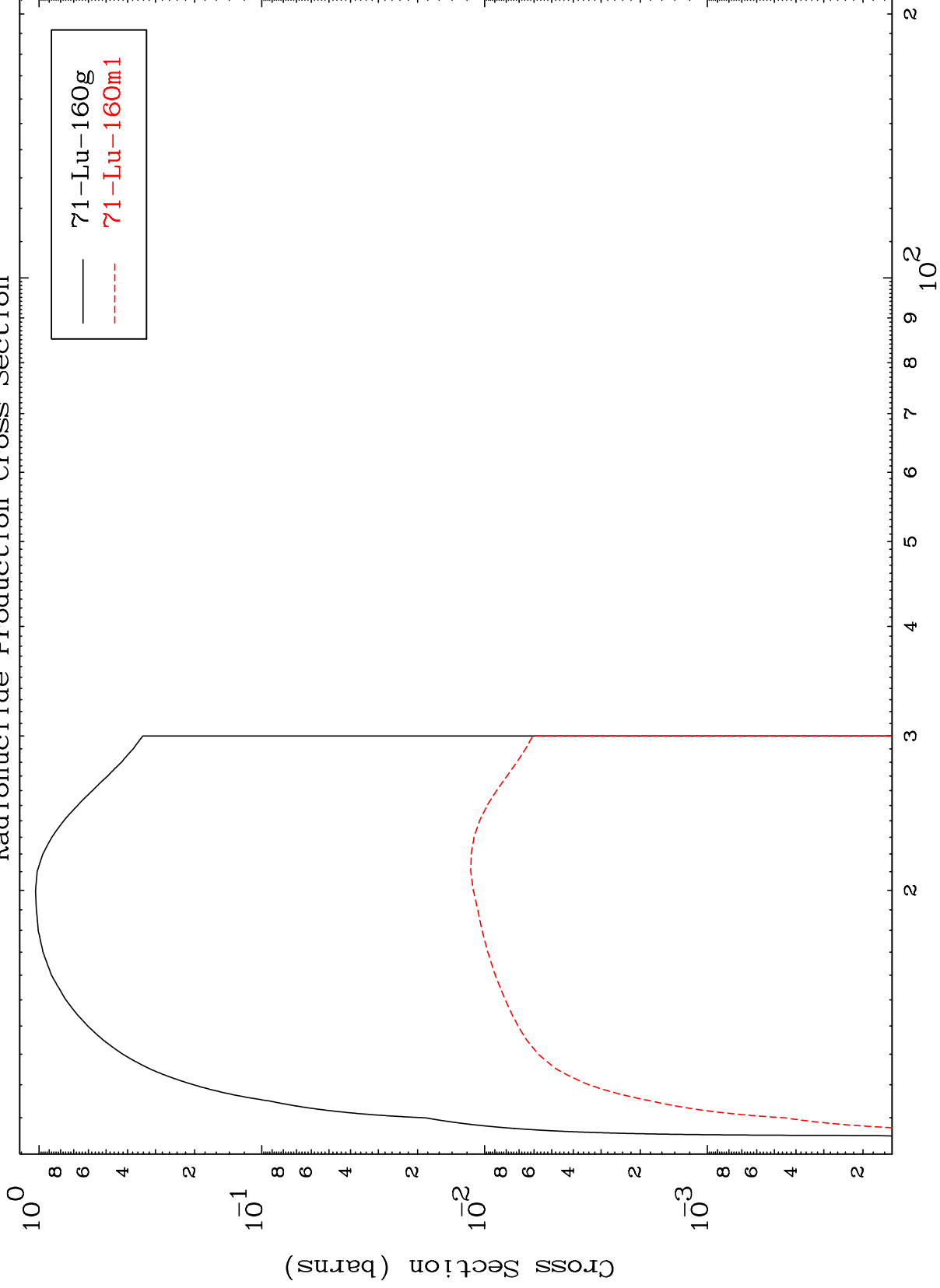
Incident Energy (MeV)

71-Lu-161



(n,2n)

Radionuclide Production Cross Section



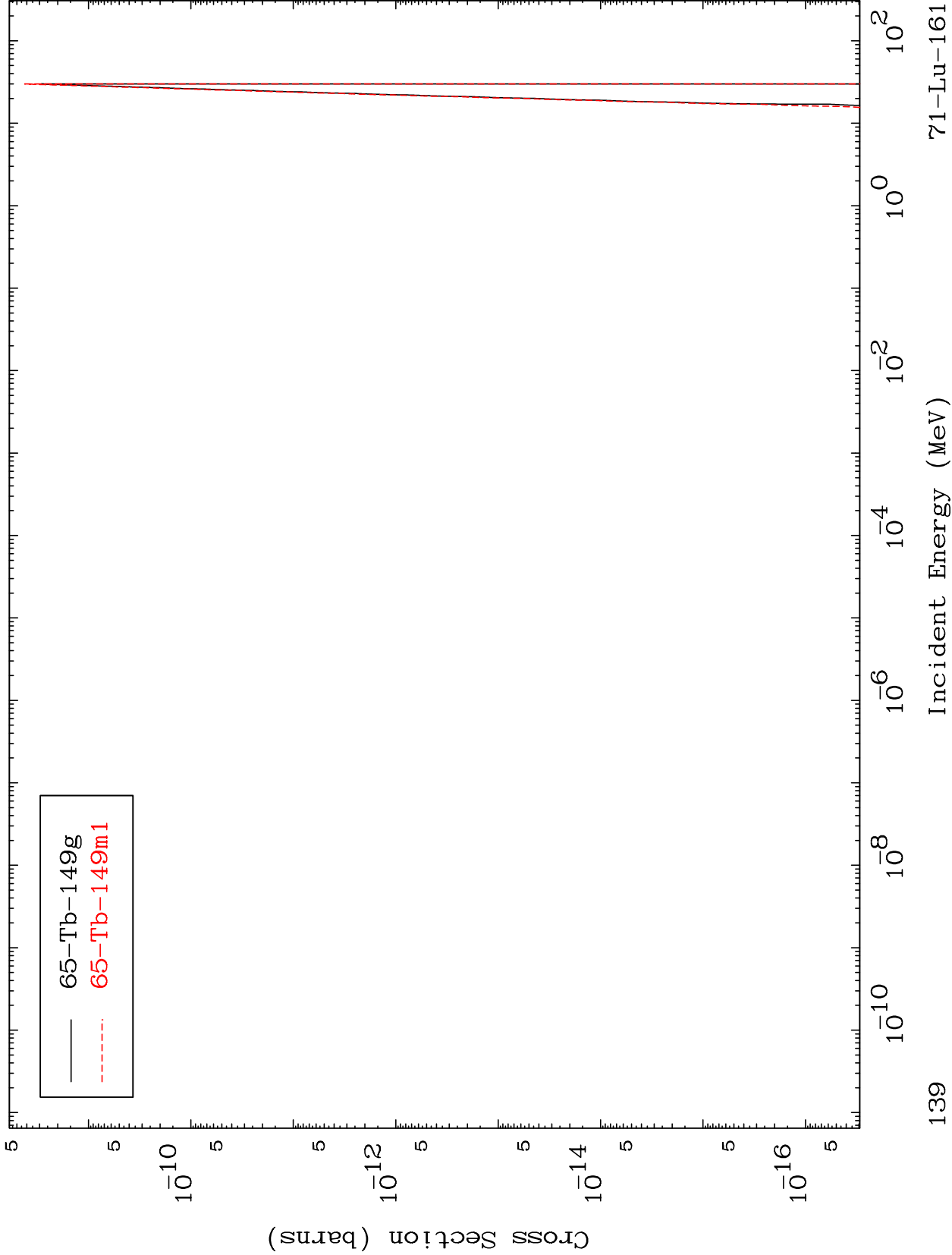
Incident Energy (MeV)

MAT 7083

(n,n') 3 α

71-Lu-161

Radionuclide Production Cross Section



139

Incident Energy (MeV)

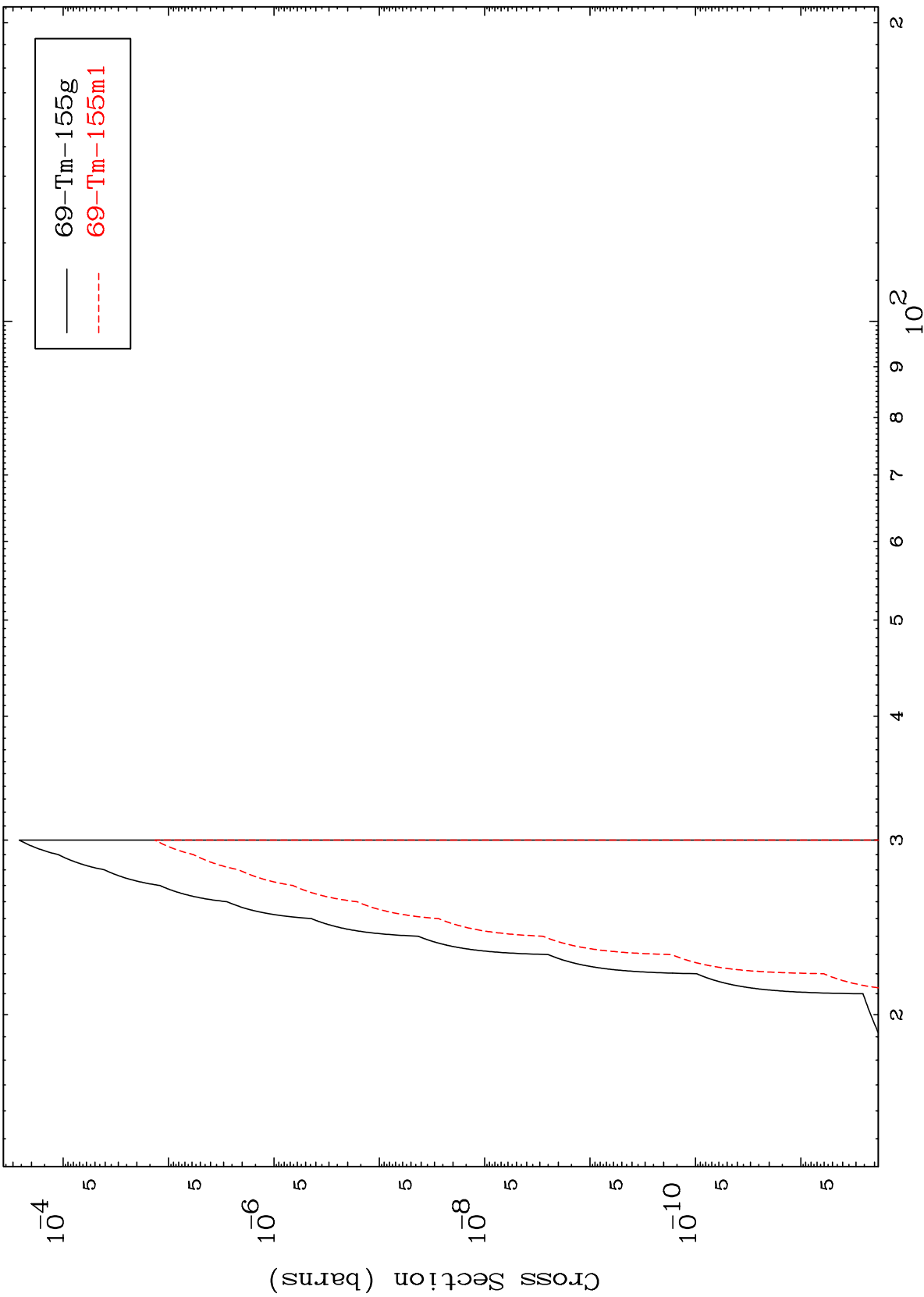
71-Lu-161

MAT 7083

(n,3n) α

71-Lu-161

Radionuclide Production Cross Section



140

Incident Energy (MeV)

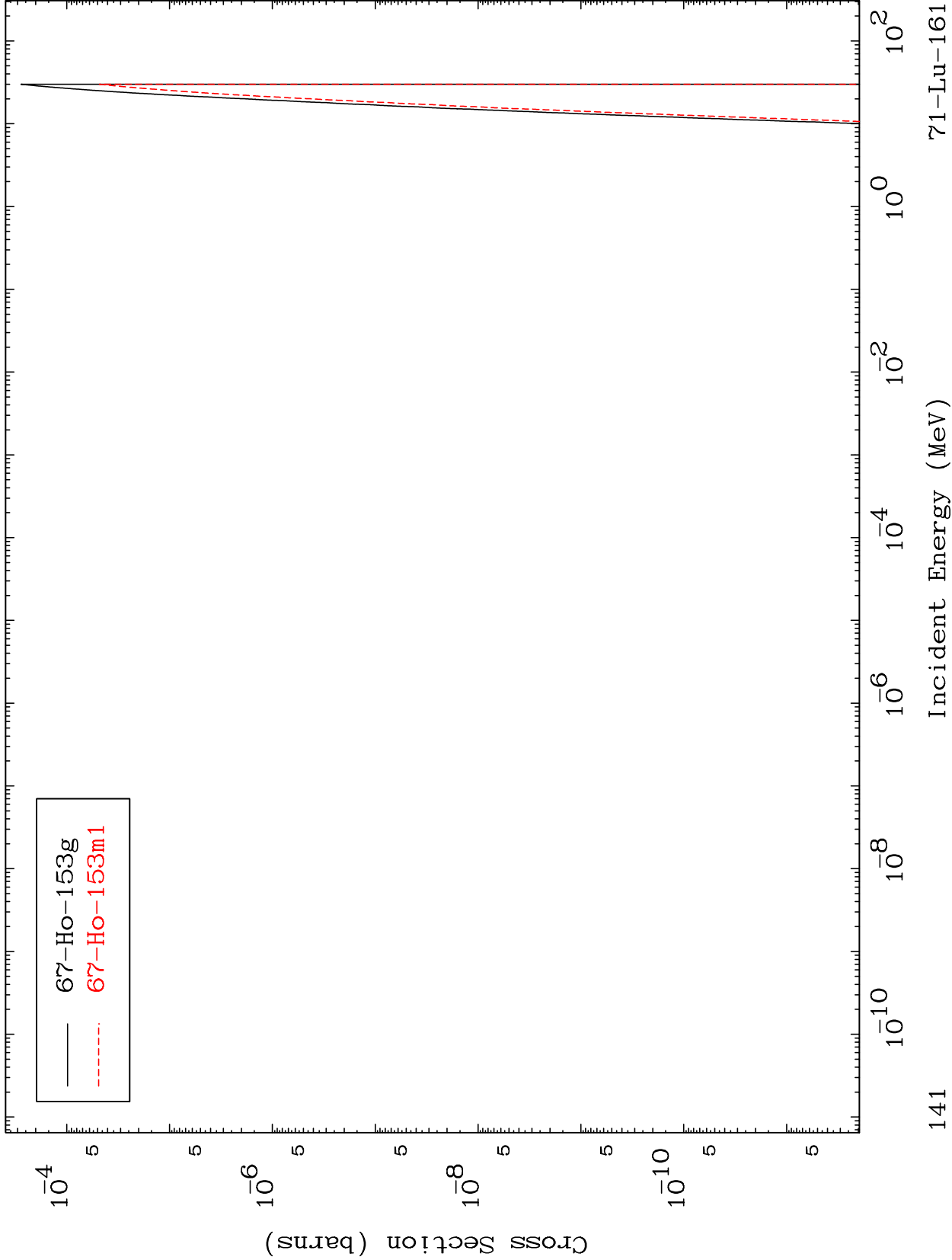
71-Lu-161

MAT 7083

(n,n') 2α

71-Lu-161

Radionuclide Production Cross Section



141

Incident Energy (MeV)

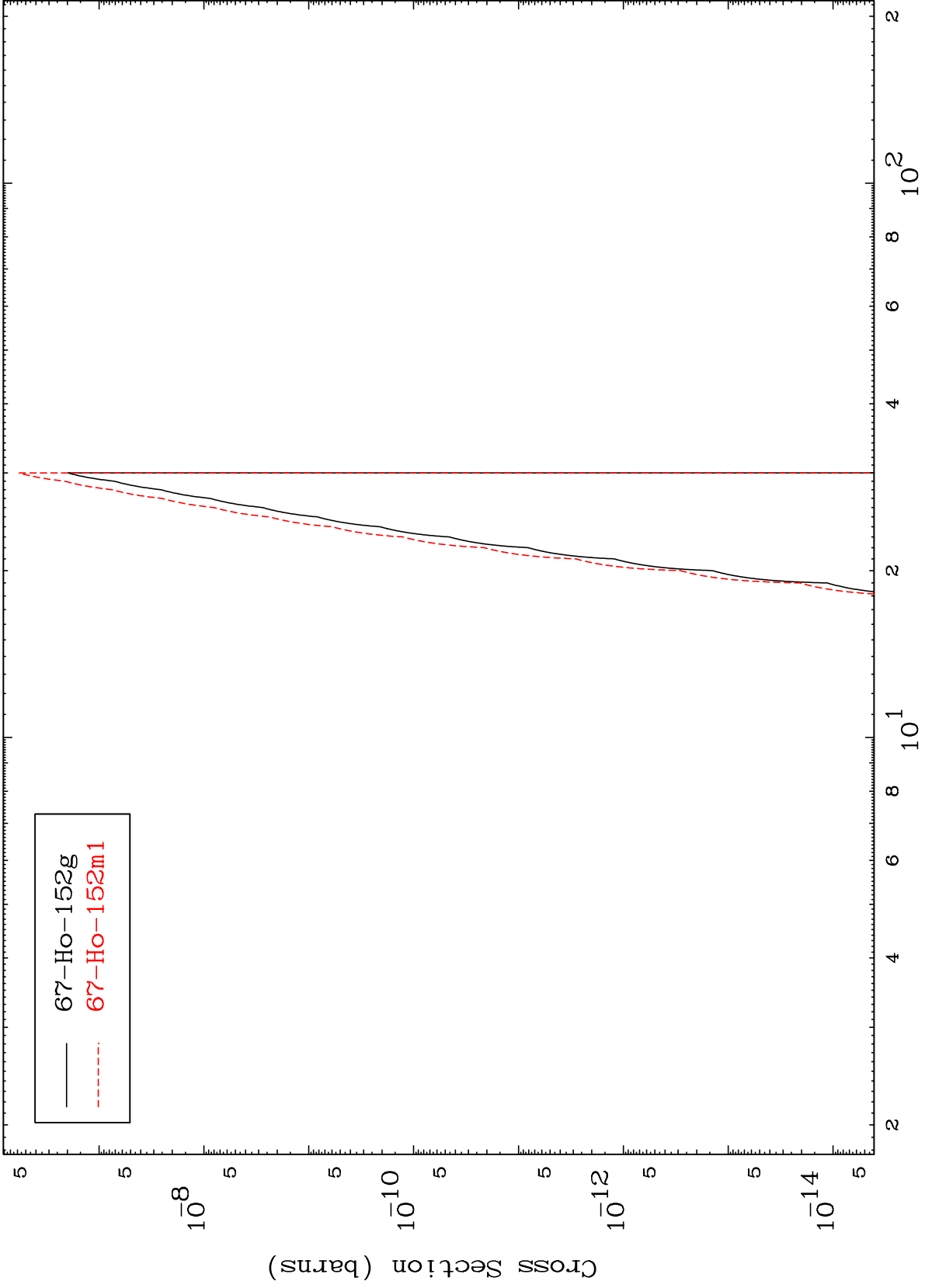
71-Lu-161

MAT 7083

^{67}Lu

^{161}Lu

Radionuclide Production Cross Section

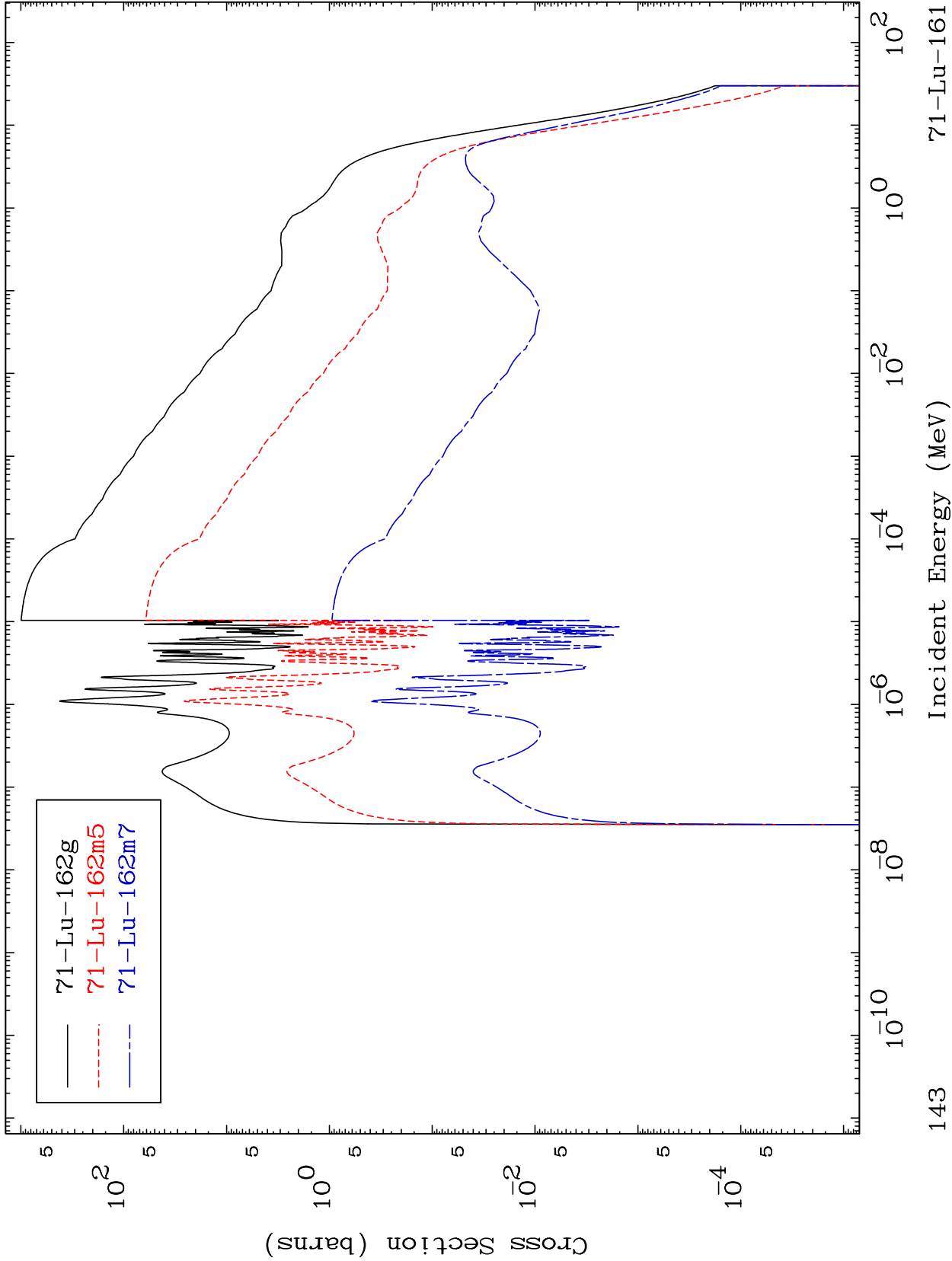


142

Incident Energy (MeV)

^{161}Lu

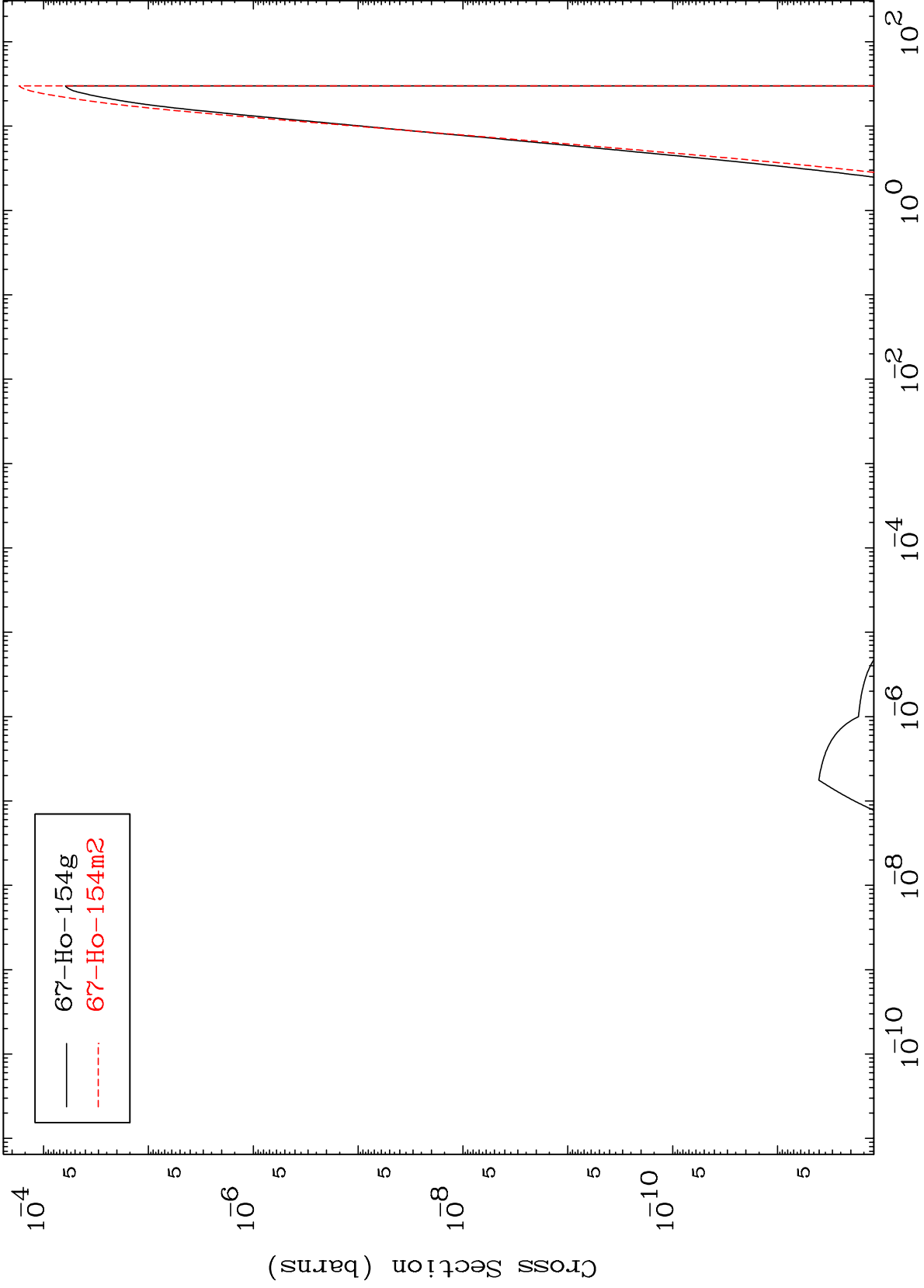
Radionuclide Production Cross Section (n,γ)



MAT 7083

71-Lu-161

Radionuclide Production Cross Section
(n,2α)



144

Incident Energy (MeV)

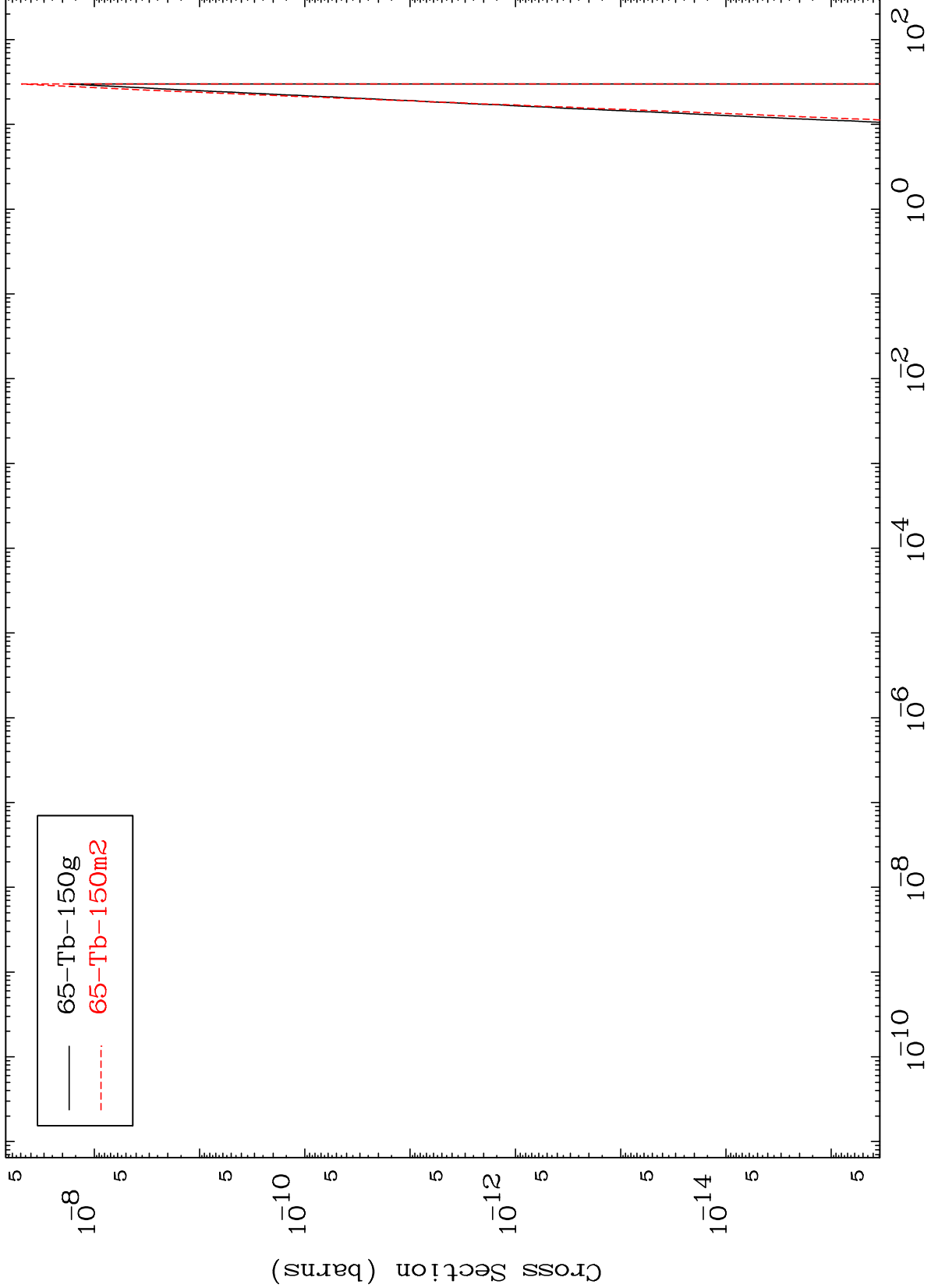
71-Lu-161

MAT 7083

(n, 3α)

71-Lu-161

Radionuclide Production Cross Section



65-Tb-150g
65-Tb-150m2

MAT 7083

(n,2p)

71-Lu-161

Radionuclide Production Cross Section

