

Program EVALPLOT
(Version 2021-1)

by

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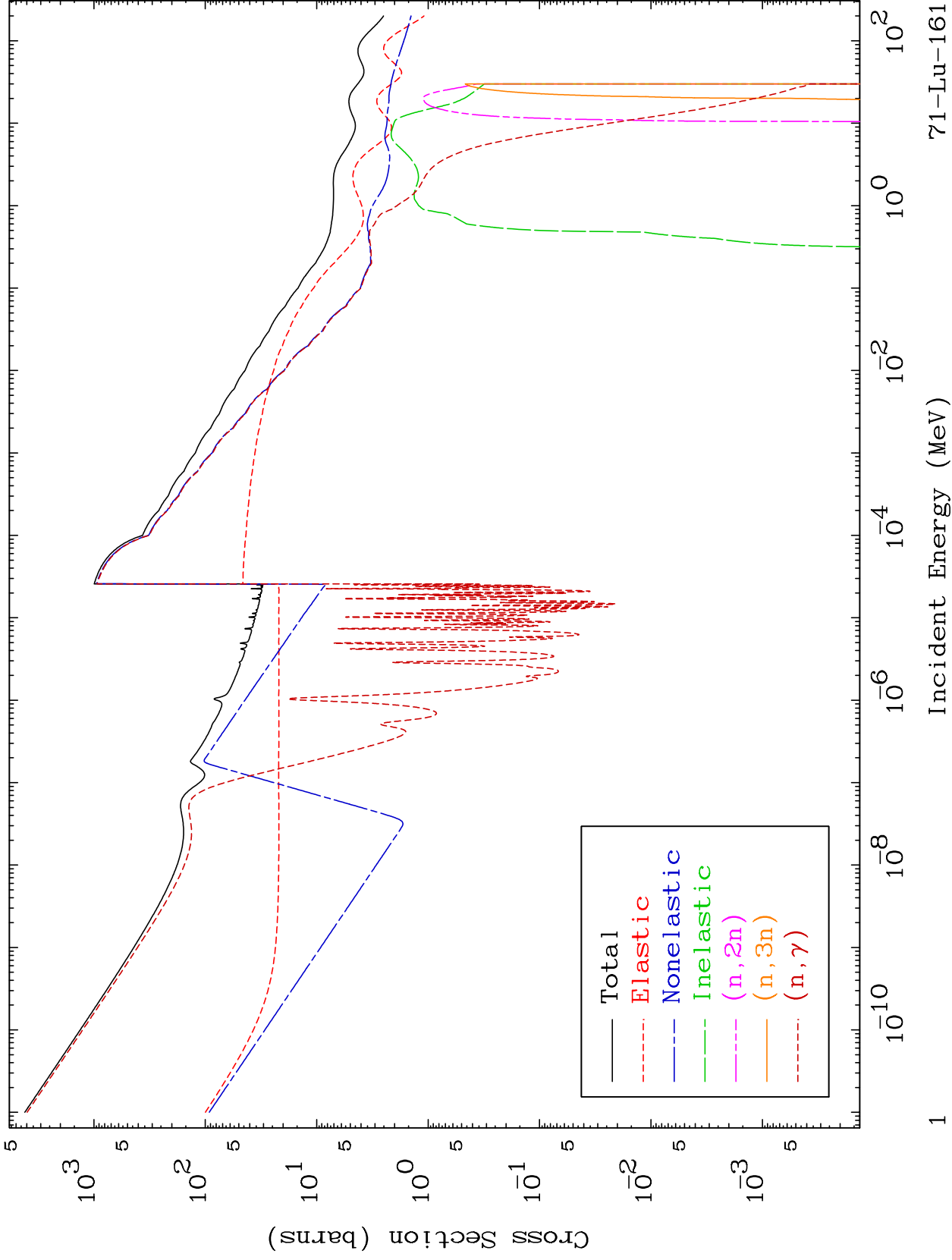
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Press Mouse Button to Start

MAT 7083

Neutron Major
293 Kelvin Cross Sections

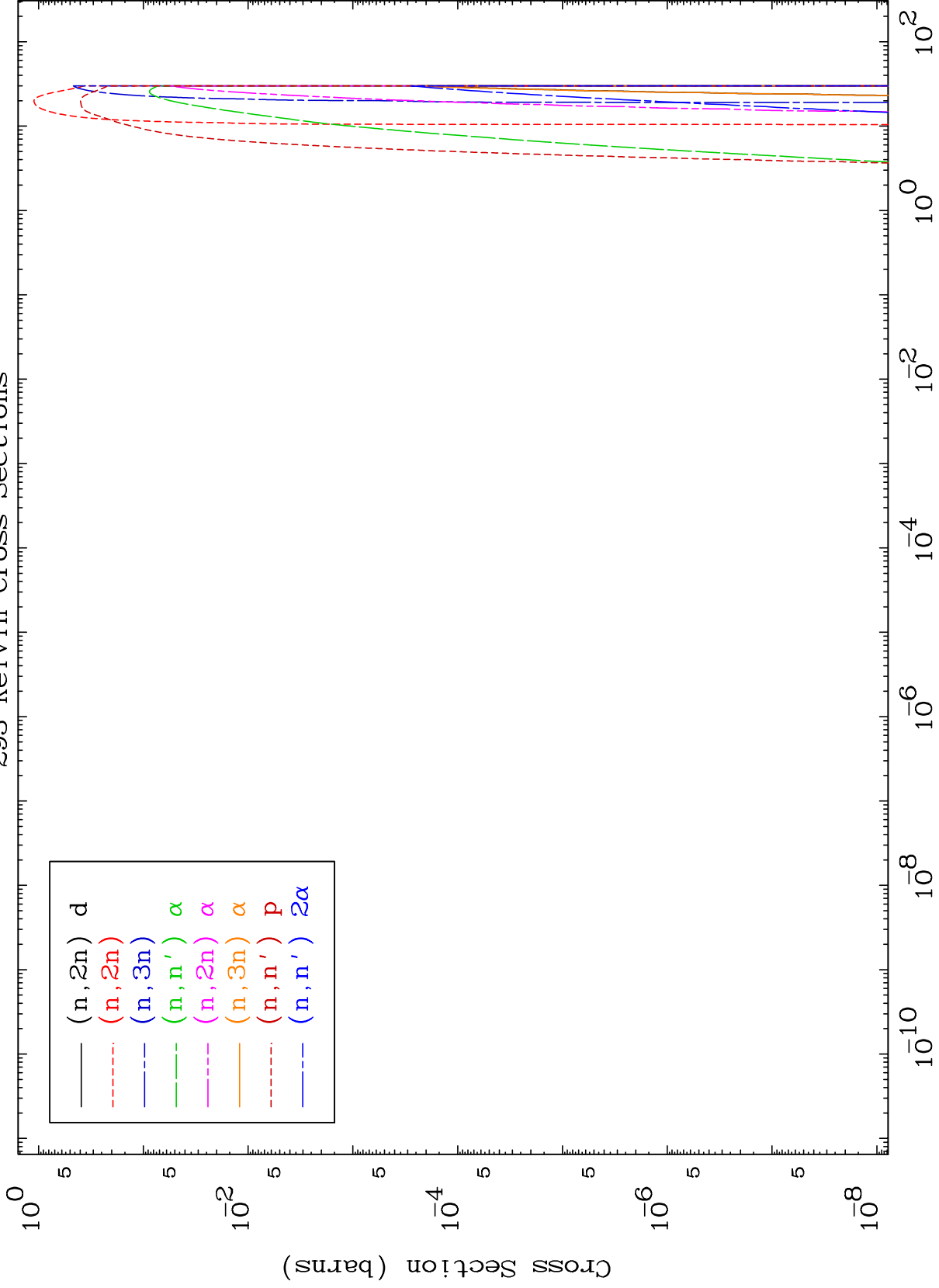
71-Lu-161



MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-161



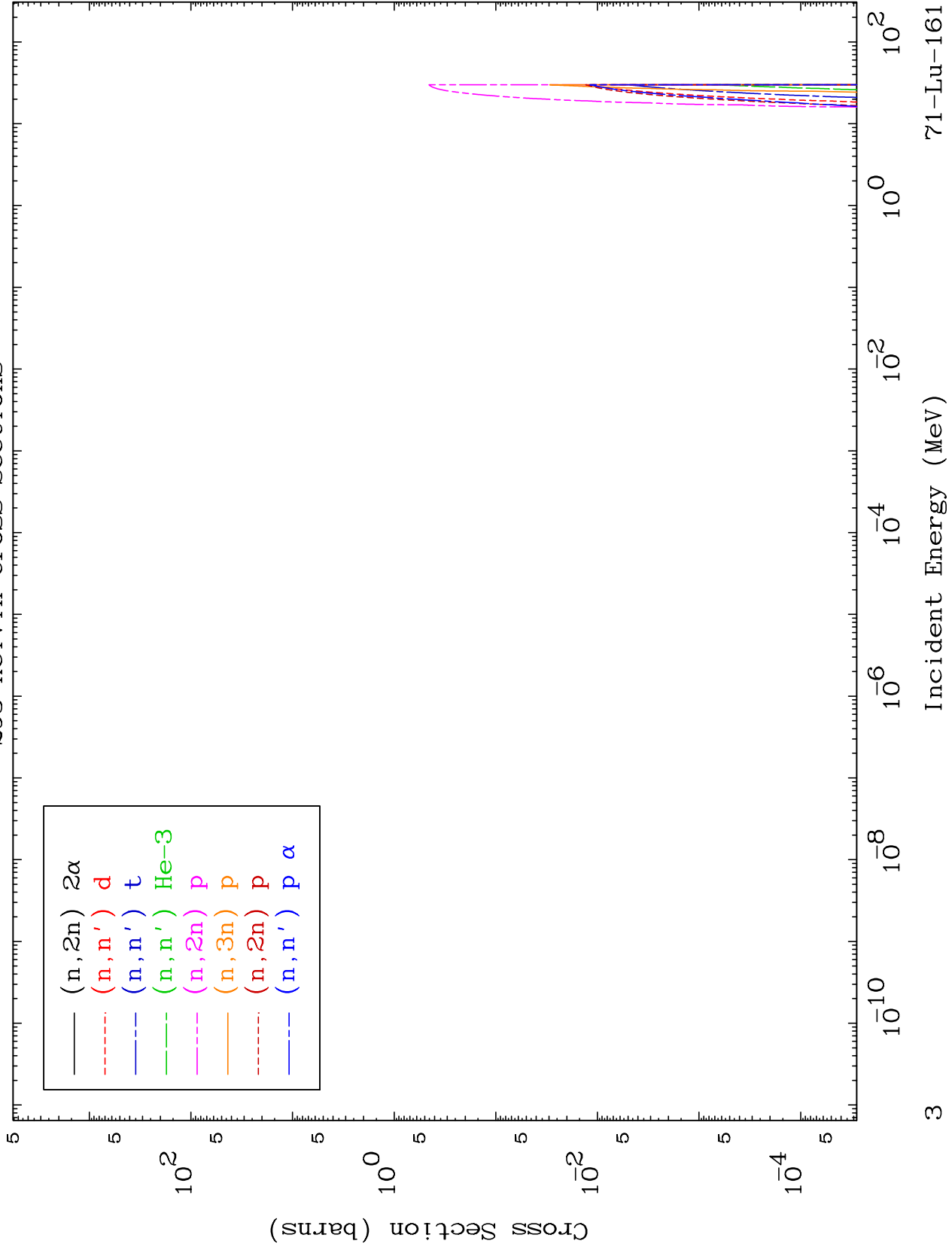
71-Lu-161

Incident Energy (MeV)

MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

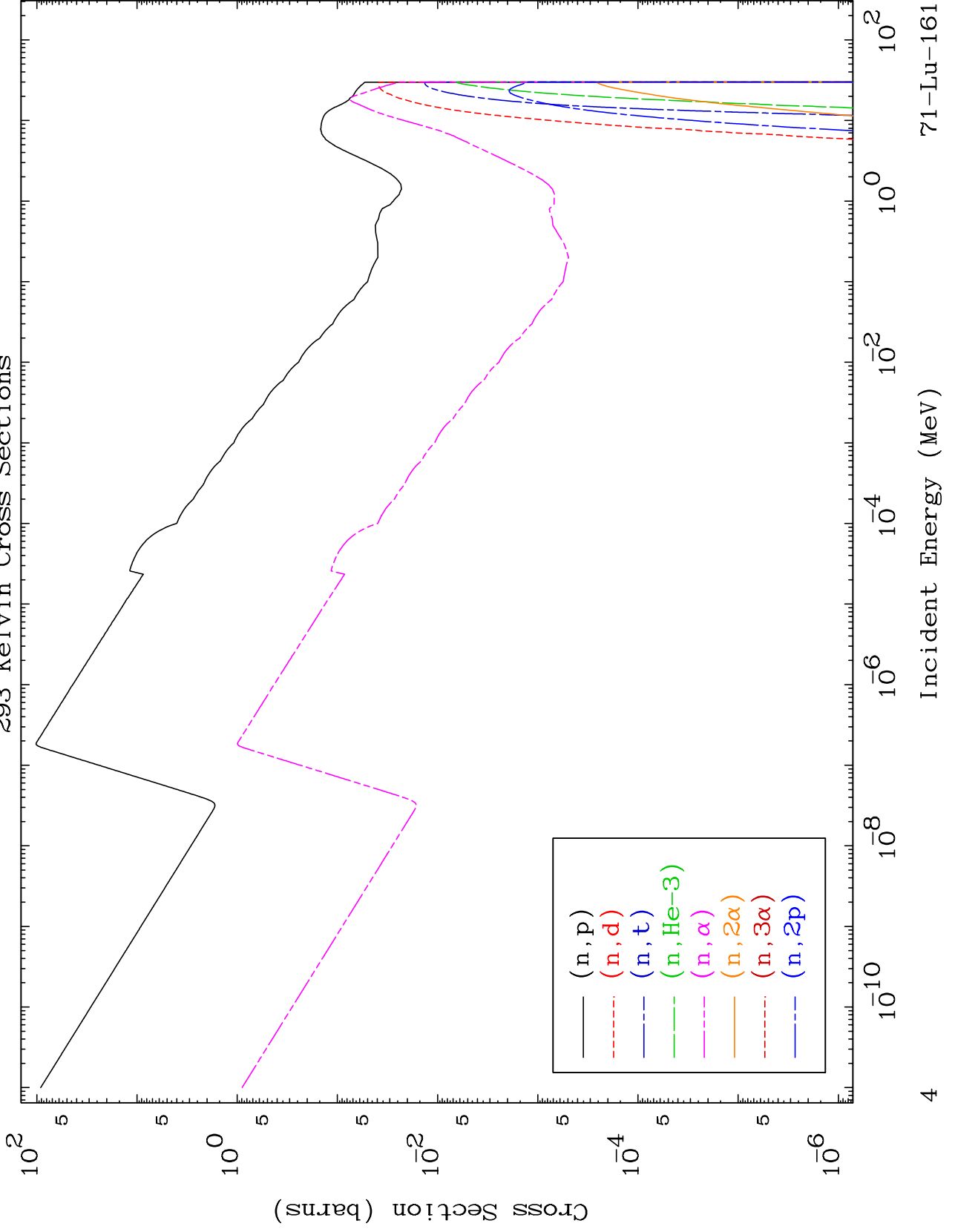
71-Lu-161



MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

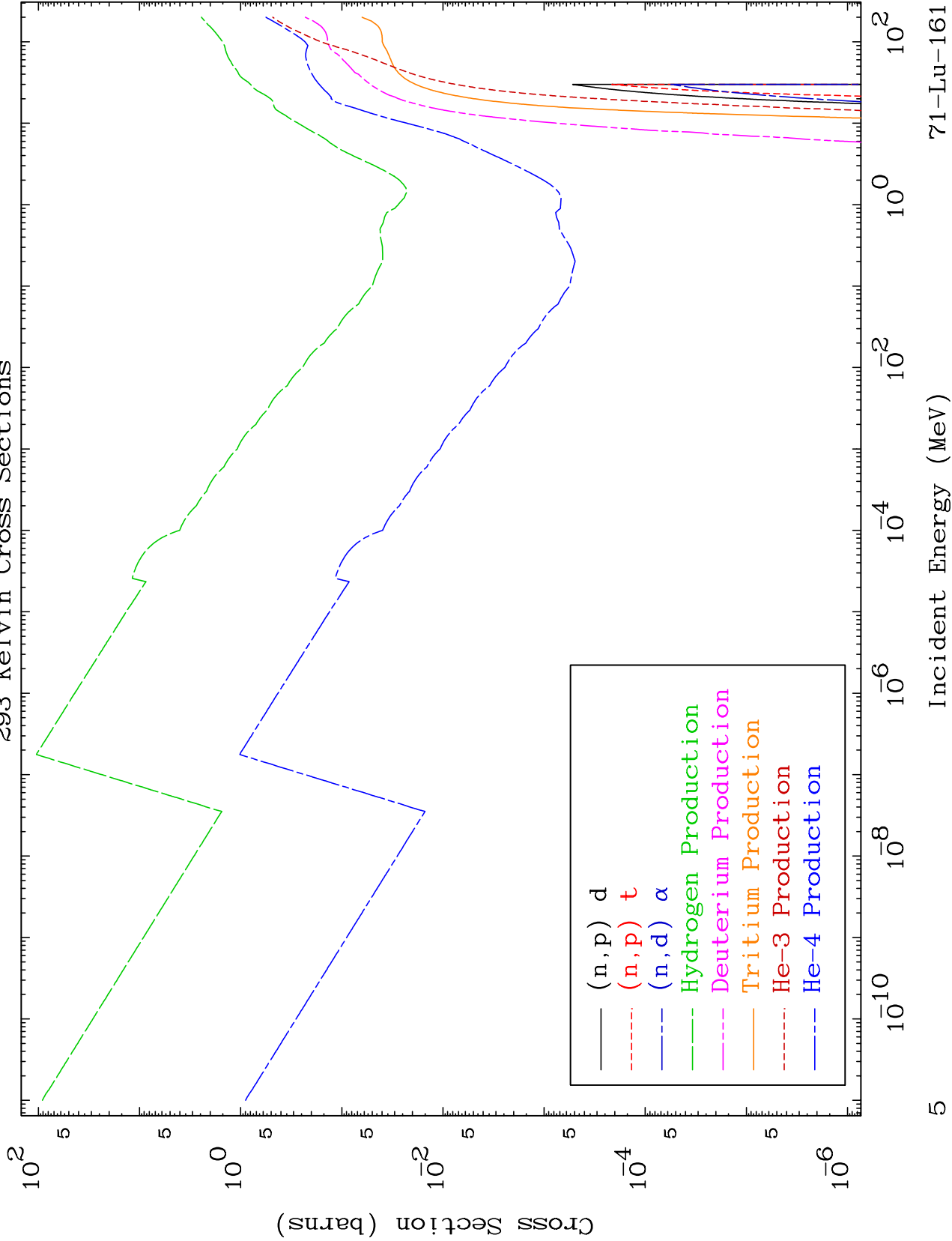
71-Lu-161



MAT 7083

Neutron Absorption
293 Kelvin Cross Sections

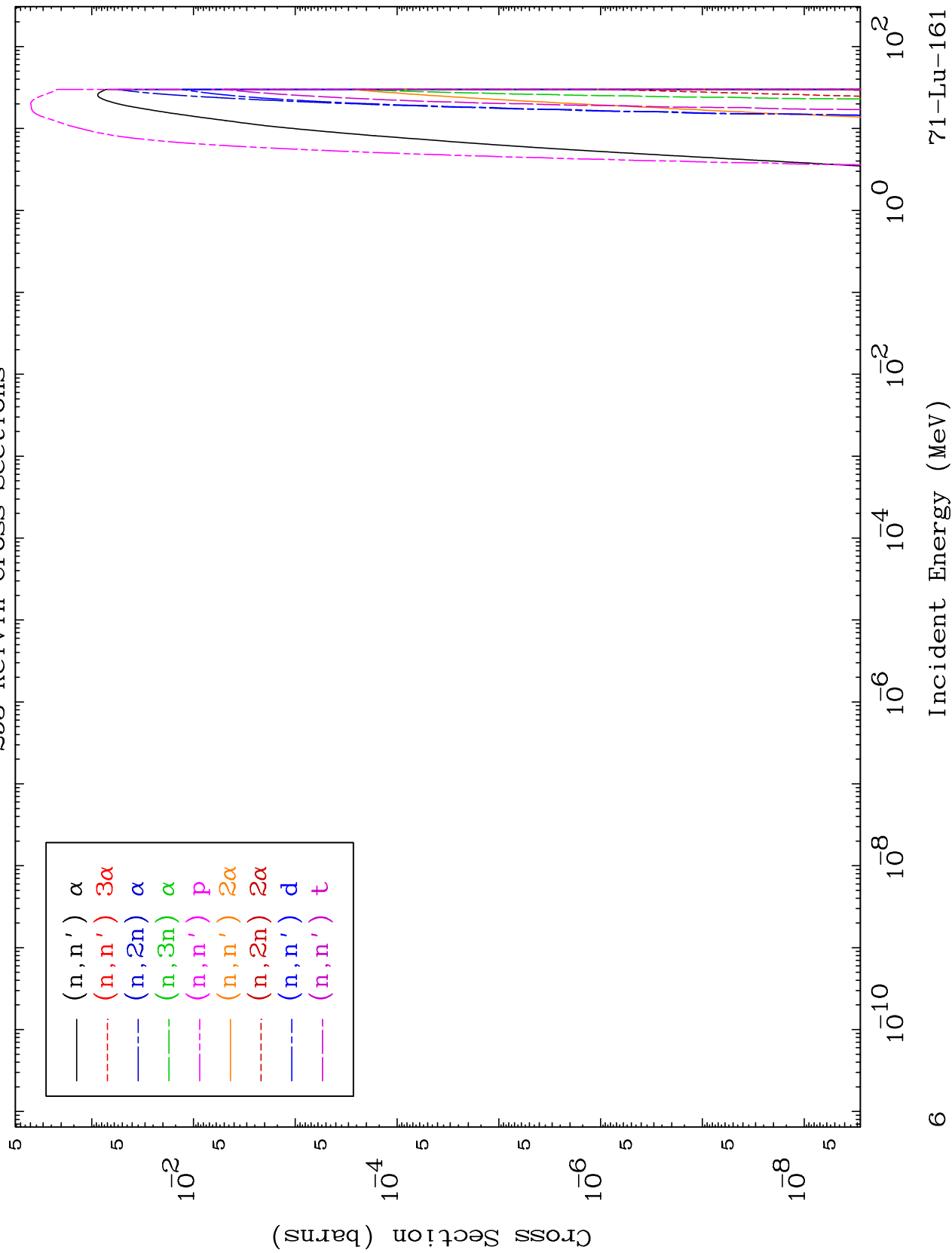
71-Lu-161



MAT 7083

Charged Particle
293 Kelvin Cross Sections

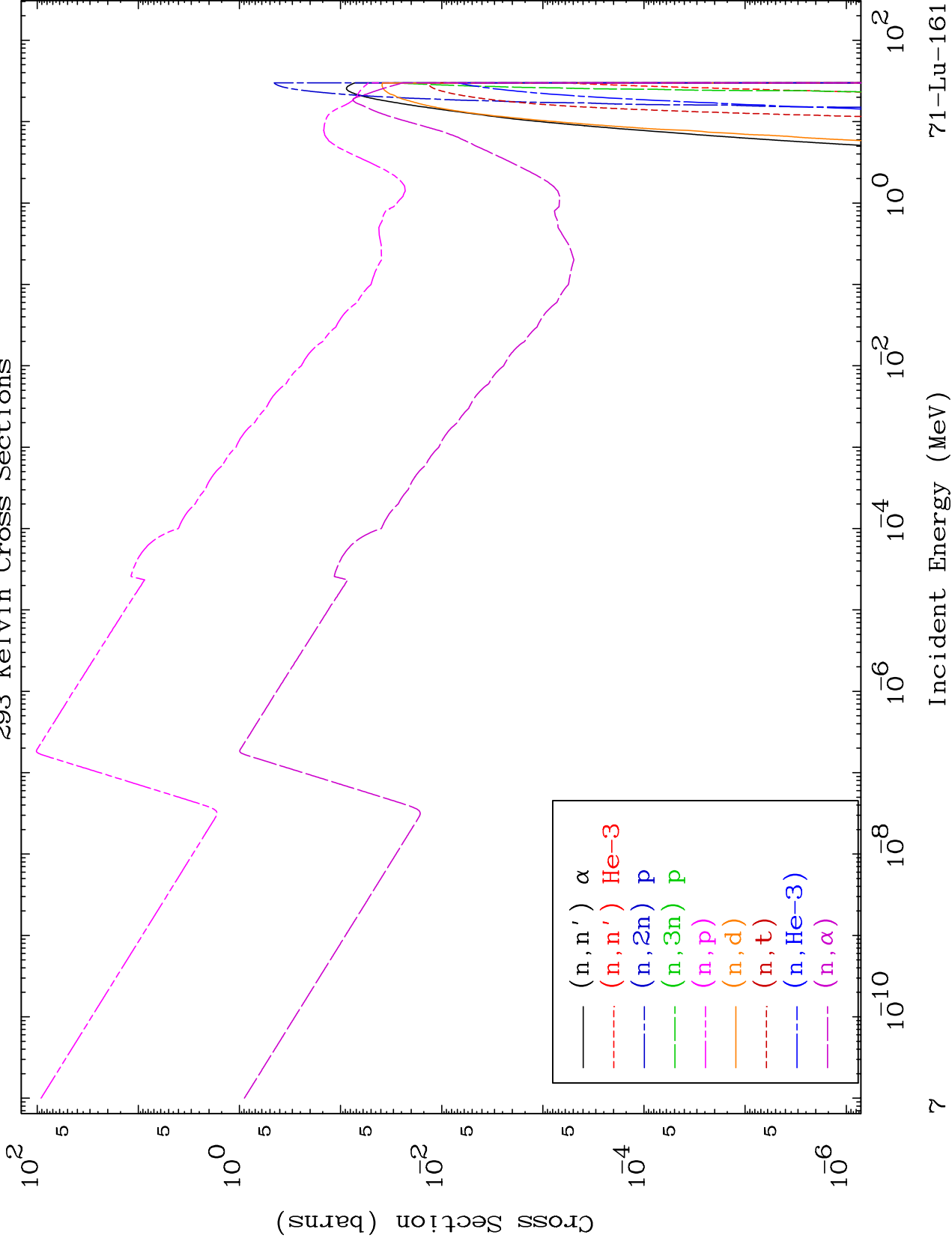
71-Lu-161

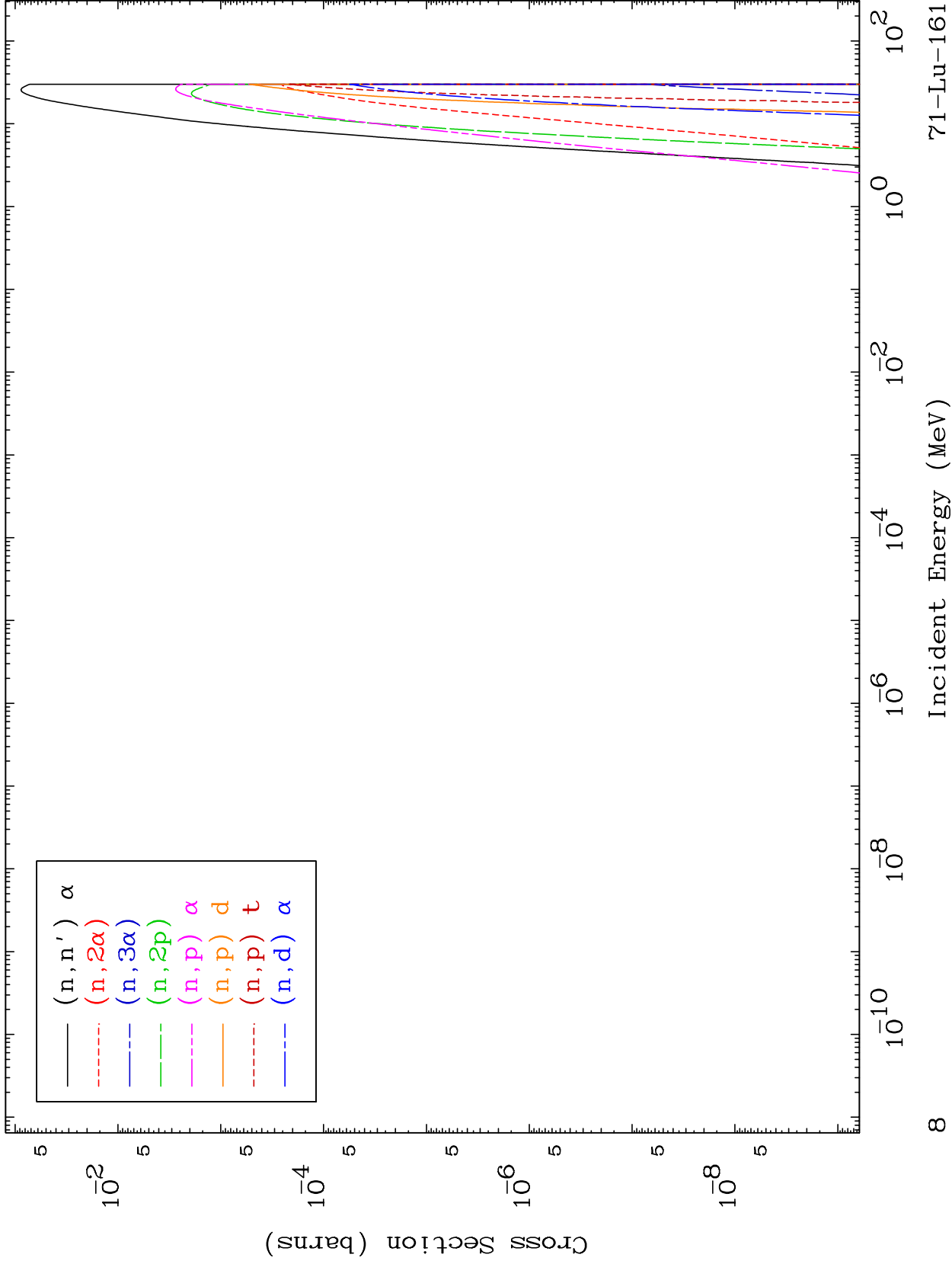


MAT 7083

Charged Particle
293 Kelvin Cross Sections

71-Lu-161

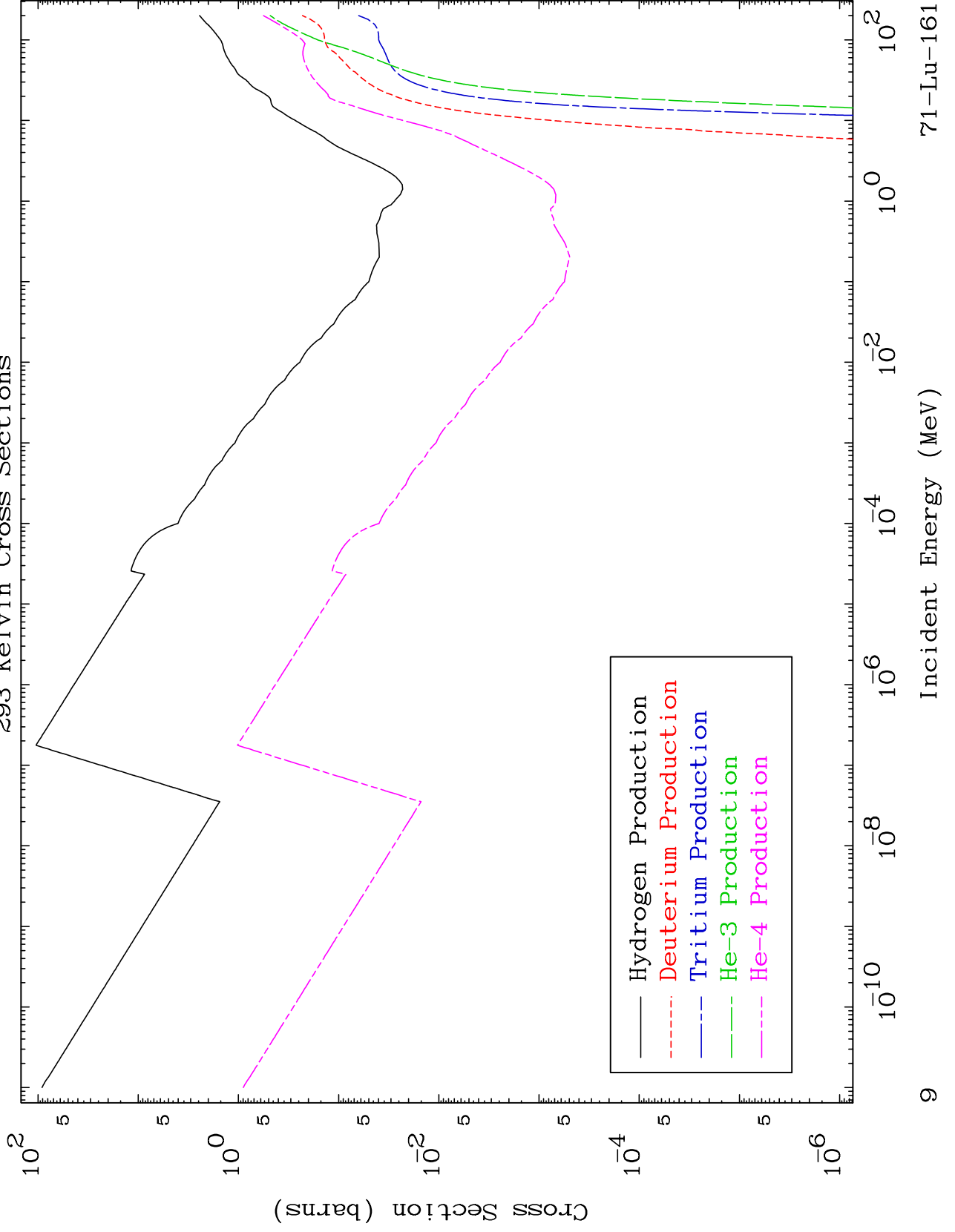




MAT 7083

Particle Production
293 Kelvin Cross Sections

71-Lu-161

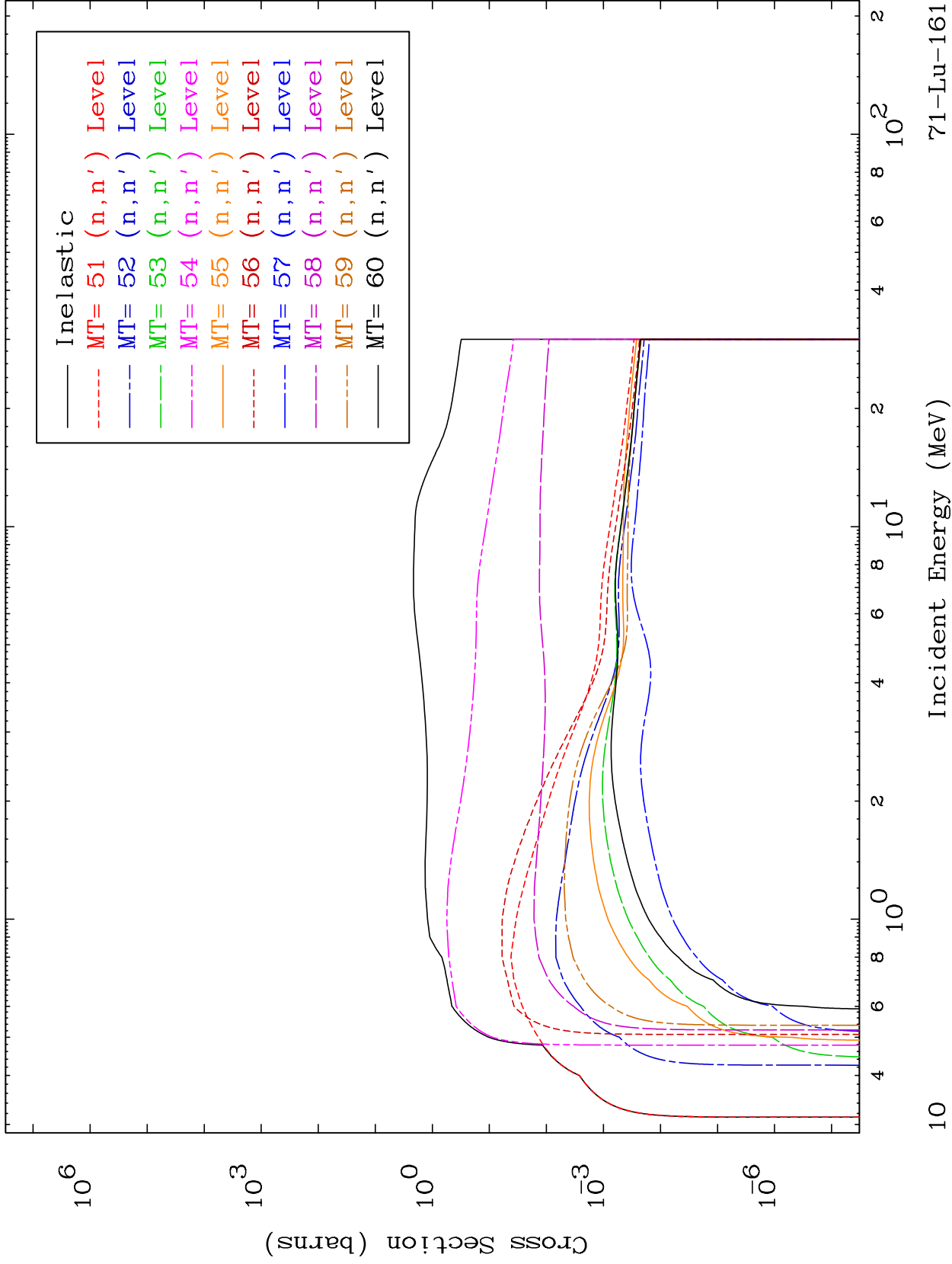


MAT 7083

(n,n') Levels

71-Lu-161

293 Kelvin Cross Sections



10

Incident Energy (MeV)

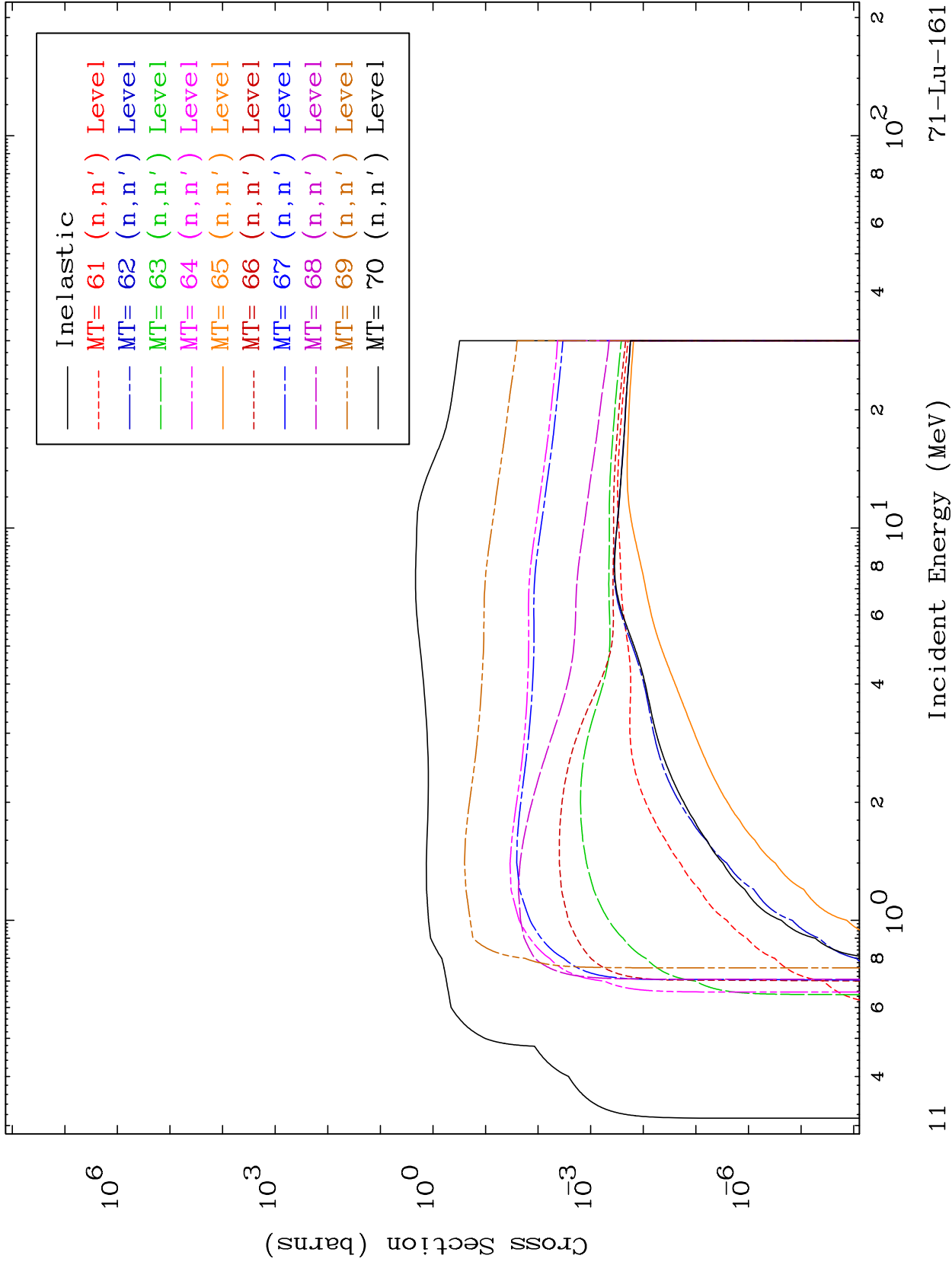
71-Lu-161

MAT 7083

(n,n') Levels

71-Lu-161

293 Kelvin Cross Sections



11

Incident Energy (MeV)

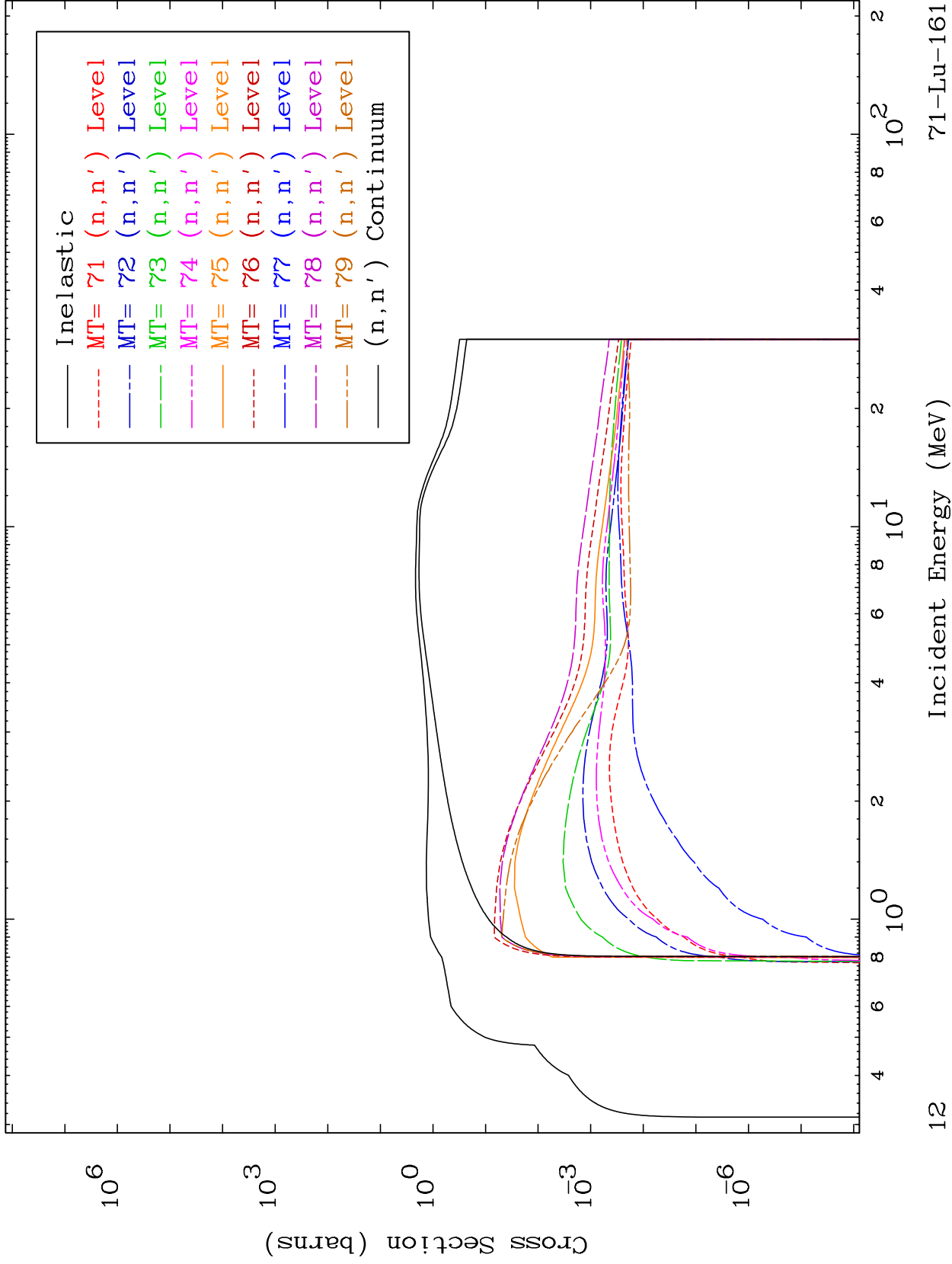
71-Lu-161

MAT 7083

(n,n') Levels

71-Lu-161

293 Kelvin Cross Sections



12

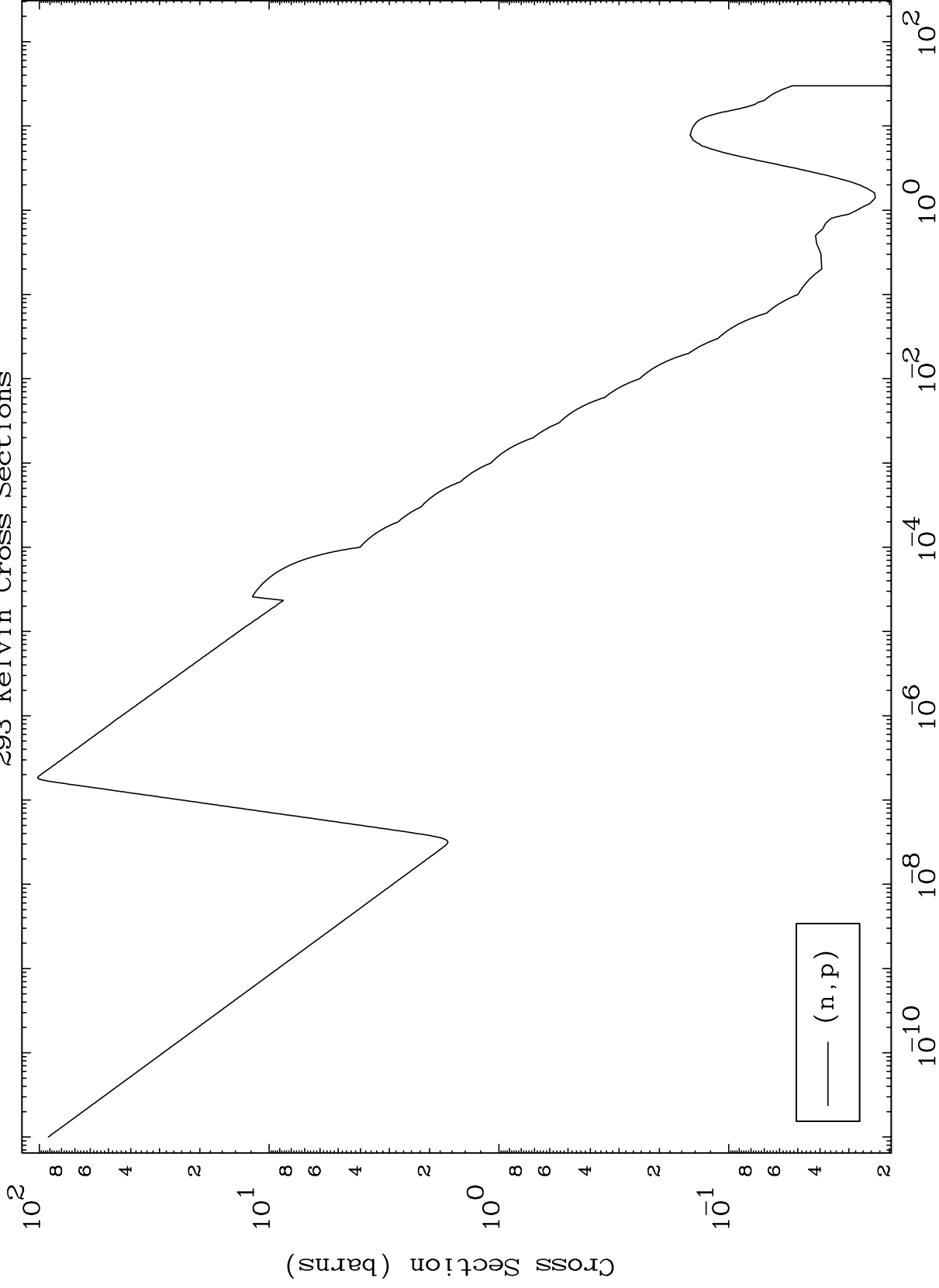
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-161



Incident Energy (MeV)

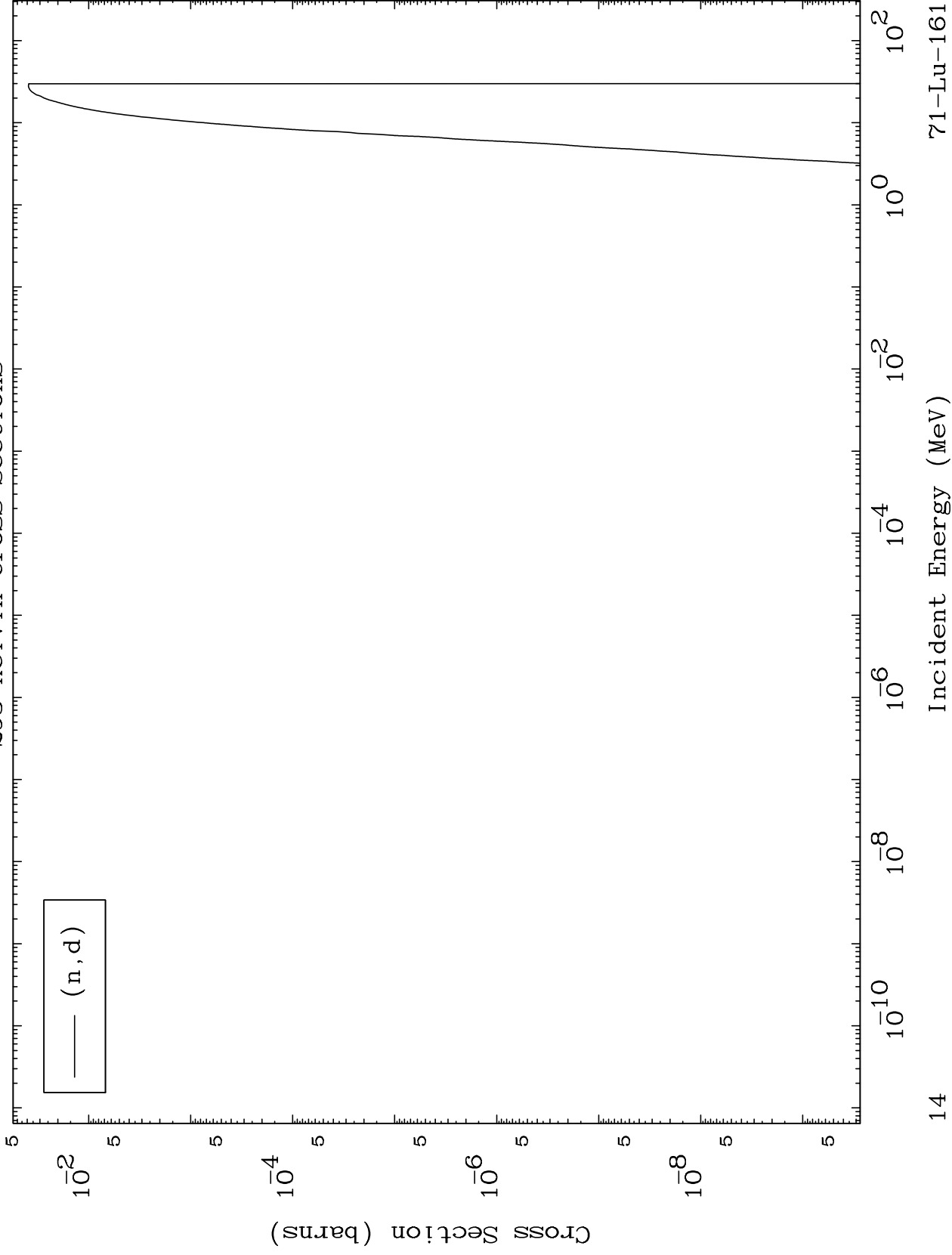
71-Lu-161

13

MAT 7083

(n,d) Levels
293 Kelvin Cross Sections

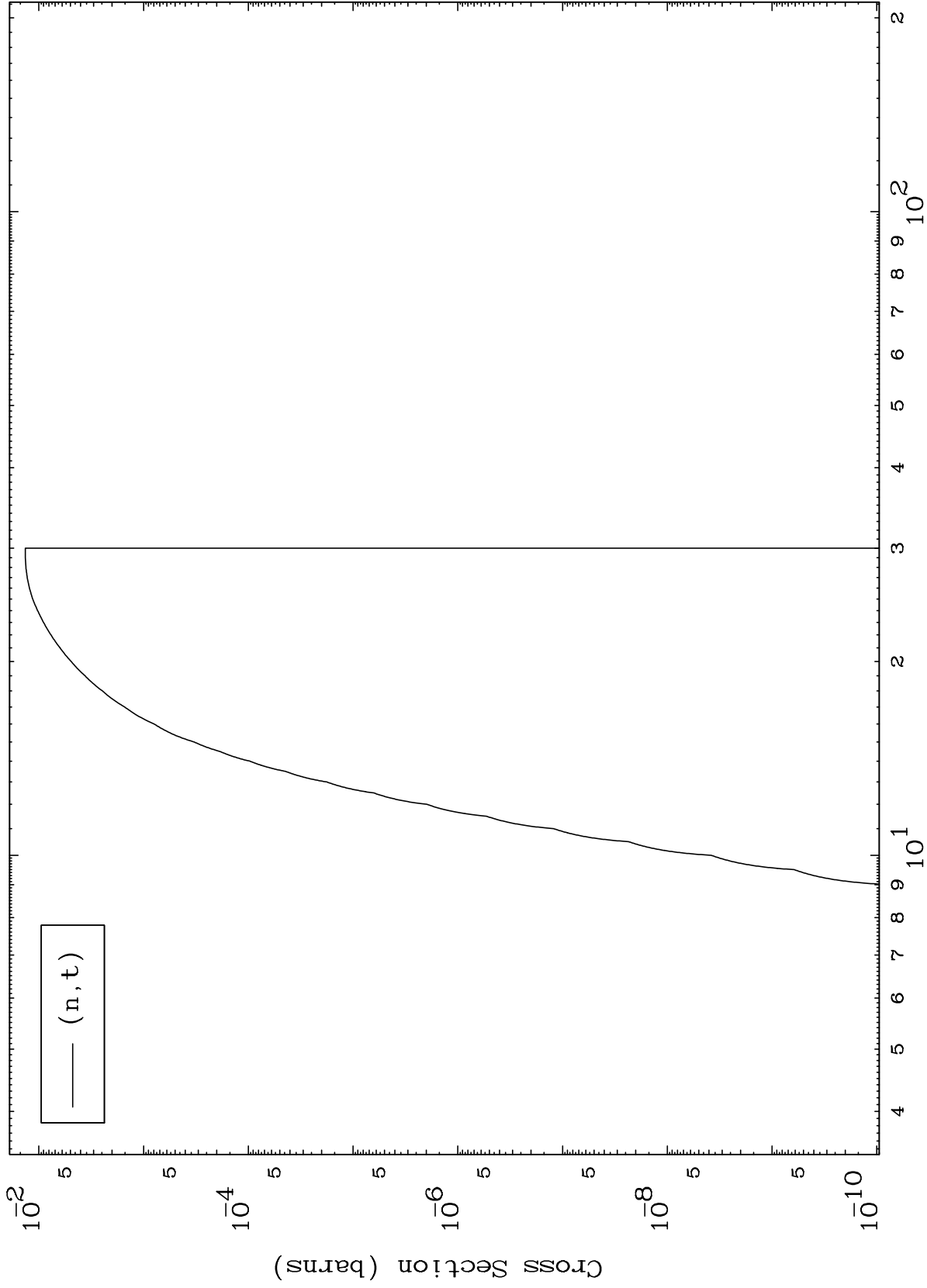
71-Lu-161



MAT 7083

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-161



15

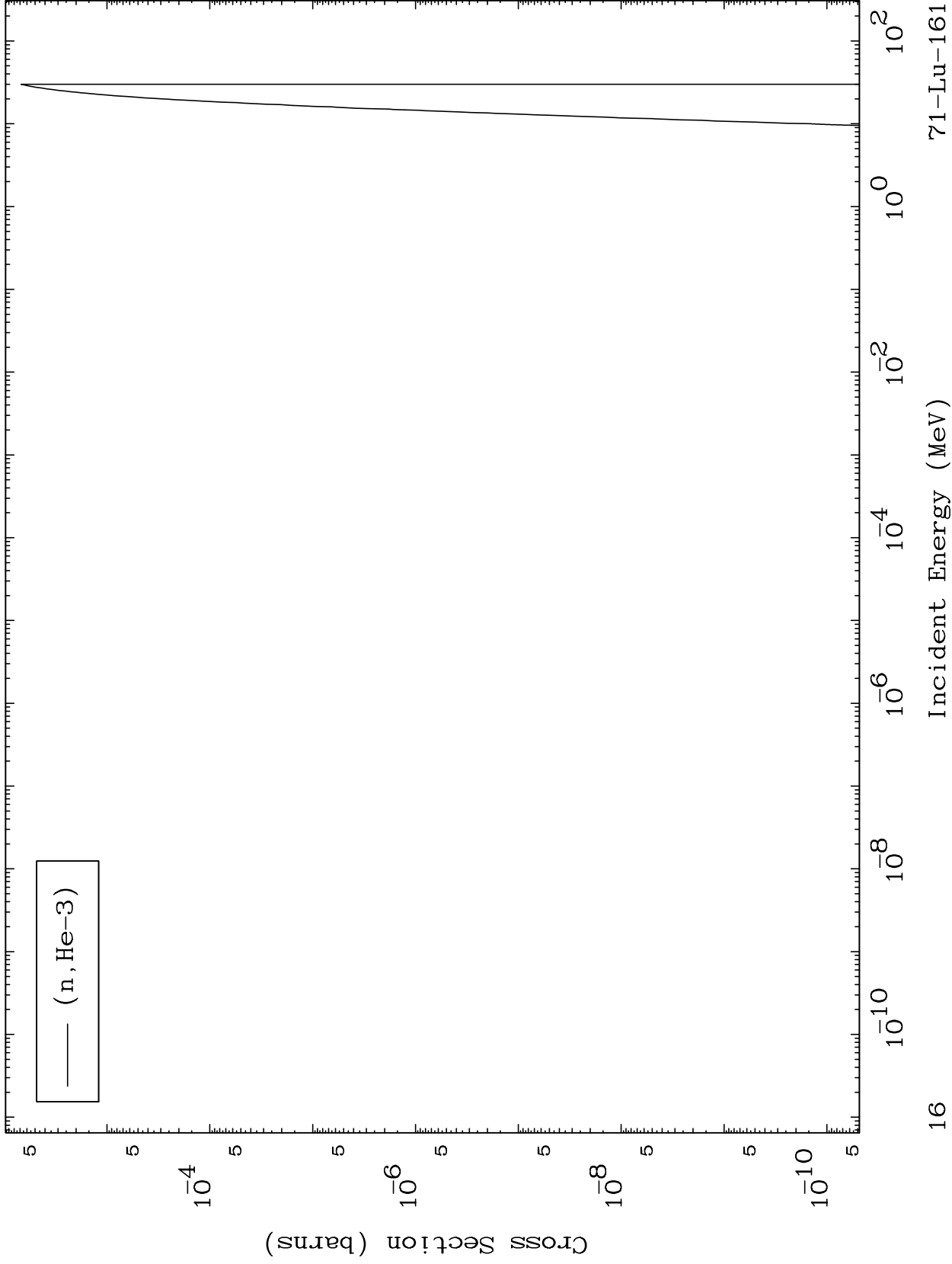
Incident Energy (MeV)

71-Lu-161

MAT 7083

(n,He3) Levels
293 Kelvin Cross Sections

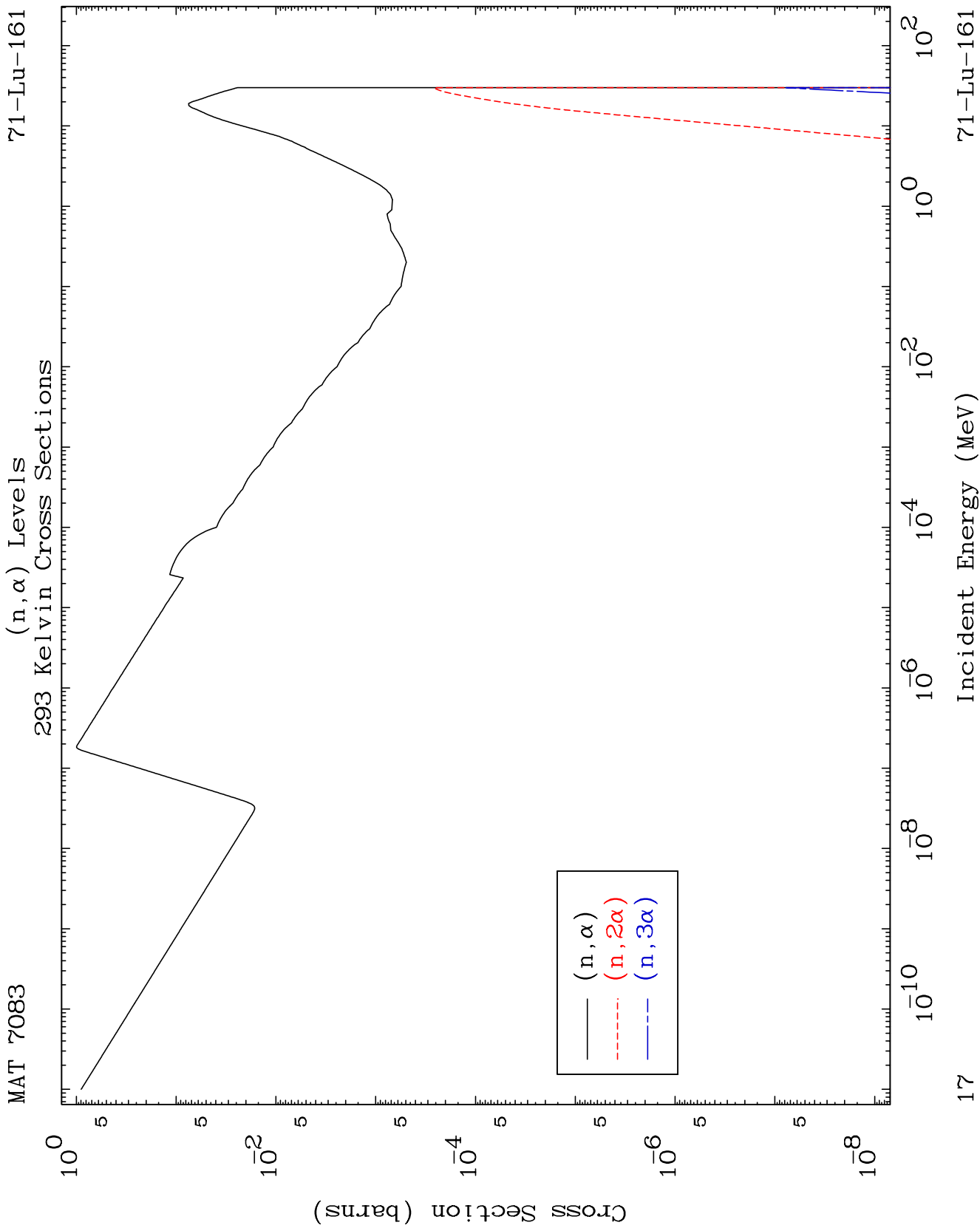
71-Lu-161



16

Incident Energy (MeV)

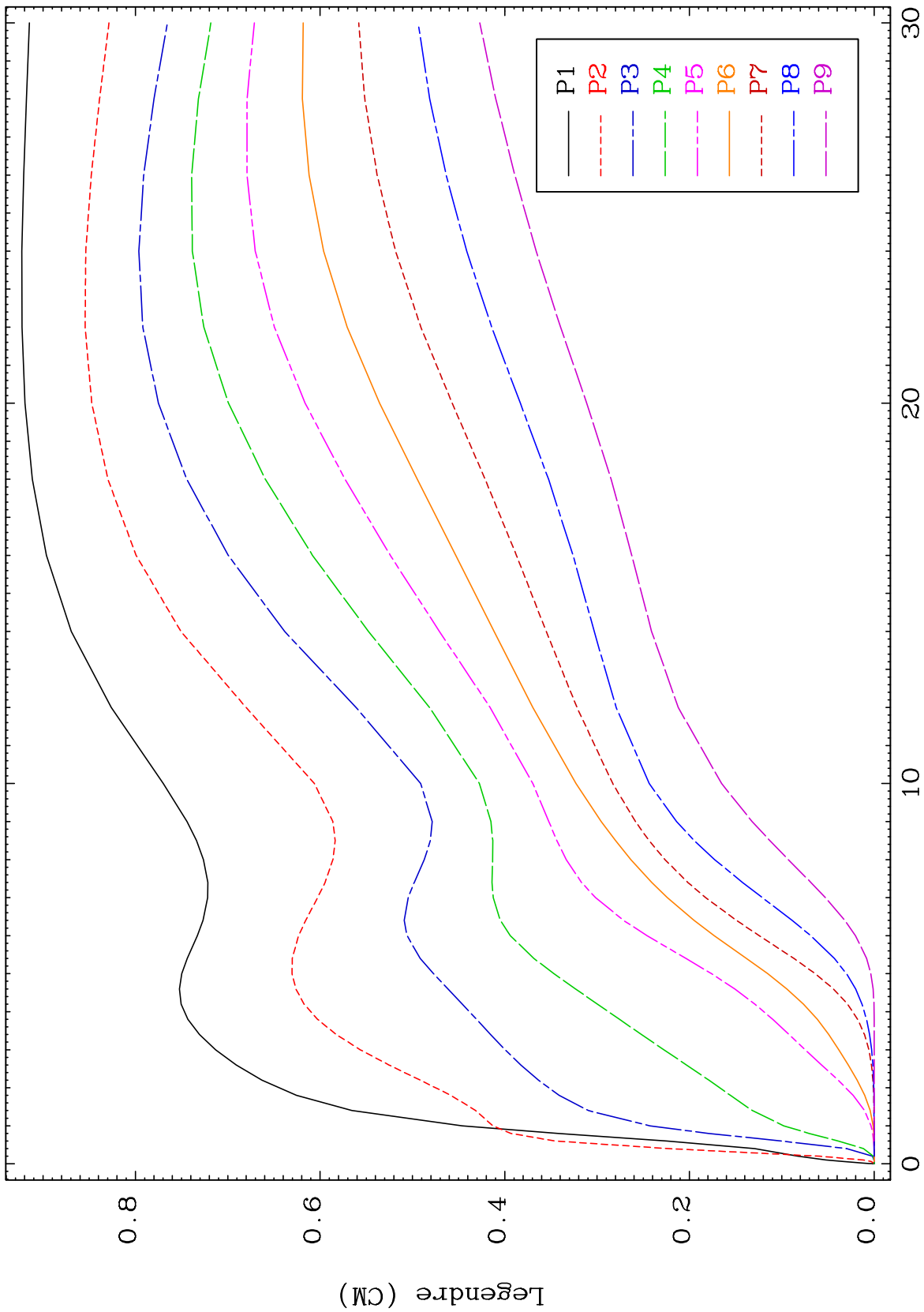
71-Lu-161



MAT 7083

71-Lu-161

Elastic Legendre Coefficients



18

Incident Energy (MeV)

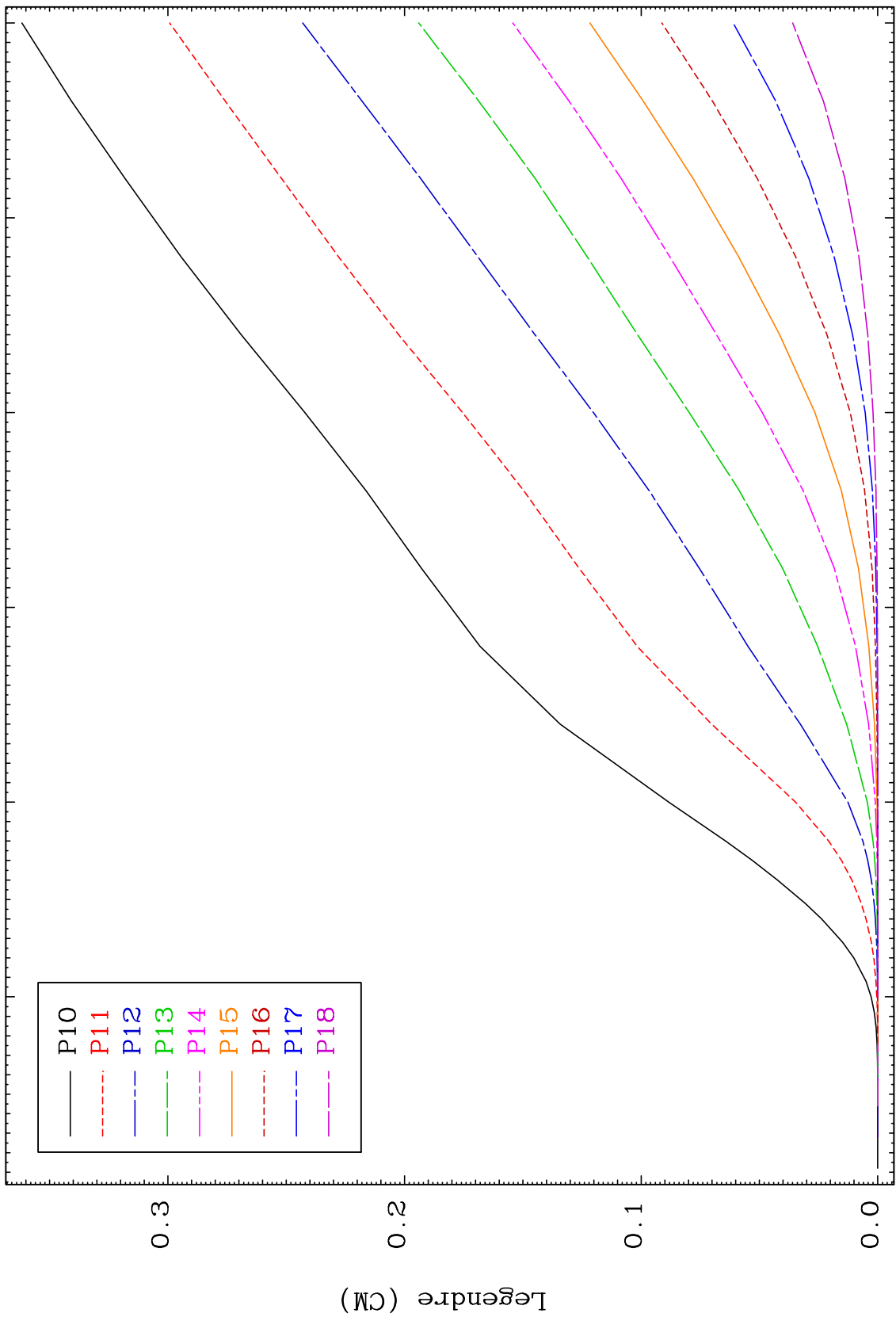
71-Lu-161

30

MAT 7083

Elastic Legendre Coefficients

⁷¹Lu-161



19

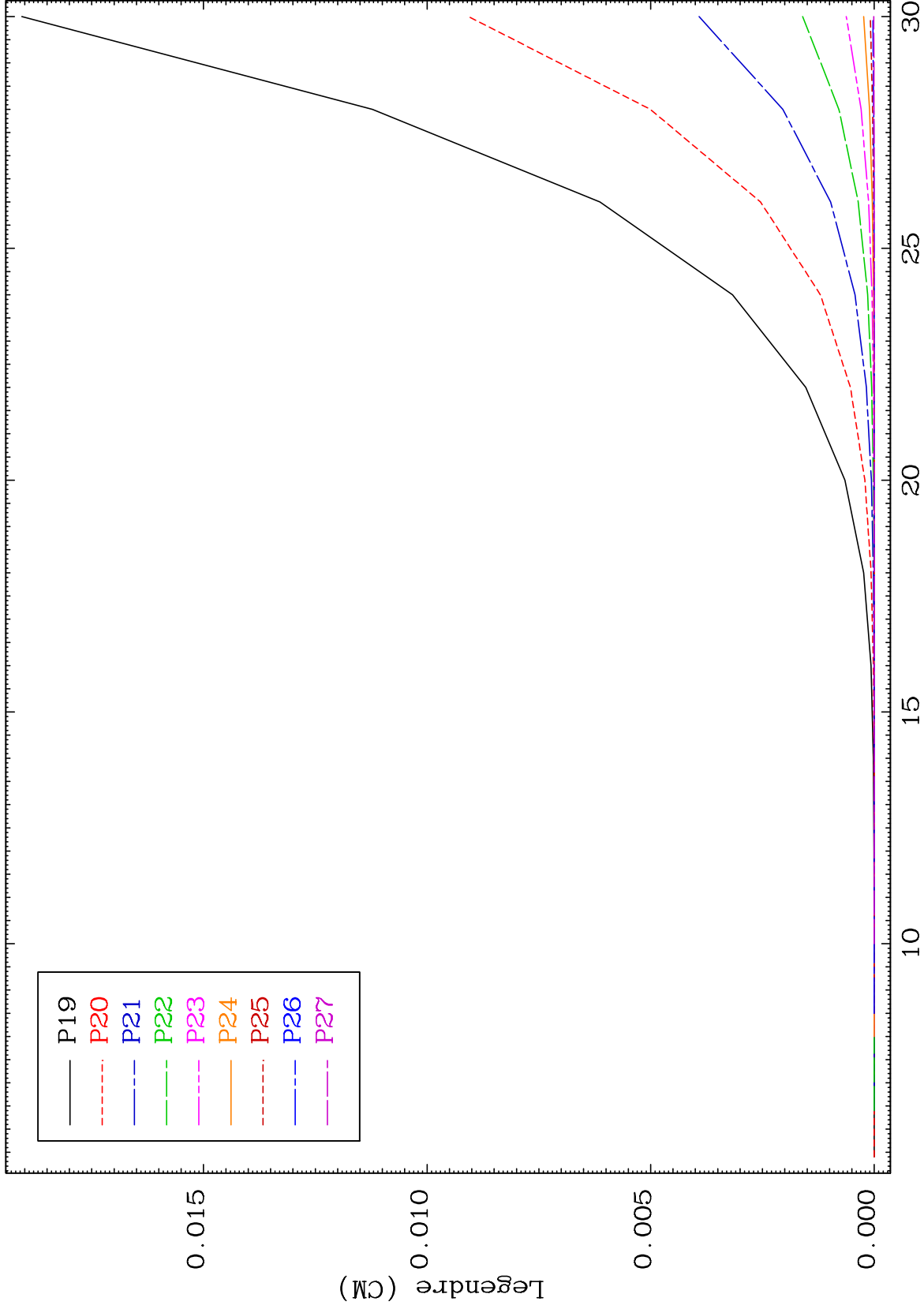
⁷¹Lu-161

Incident Energy (MeV)

MAT 7083

Elastic
Legendre Coefficients

71-Lu-161



20

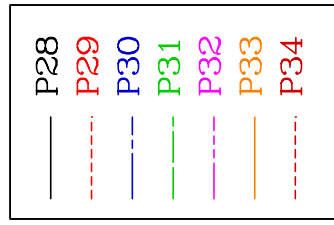
Incident Energy (MeV)

71-Lu-161

MAT 7083

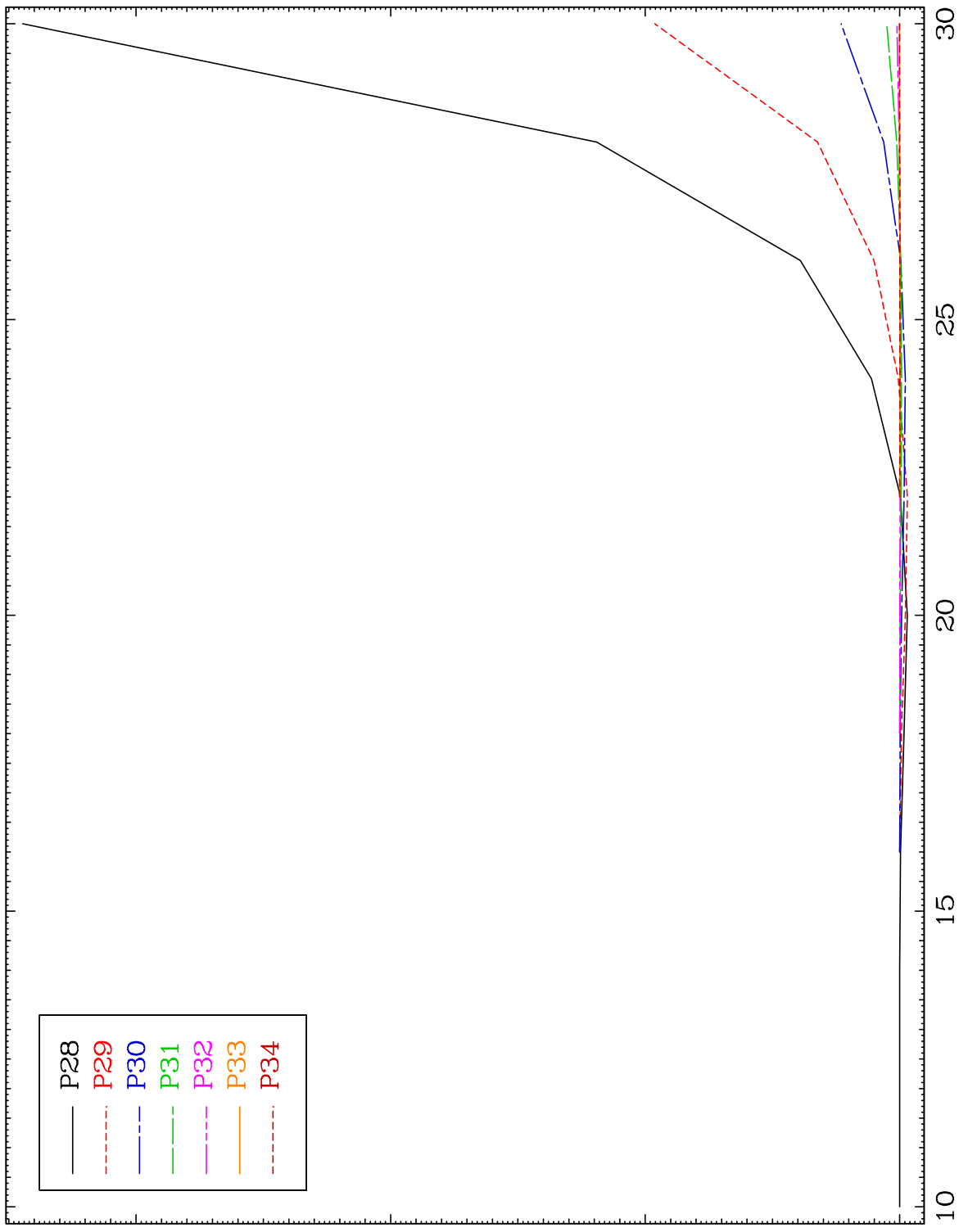
Elastic Legendre Coefficients

71-Lu-161



$\times 10^{-6}$

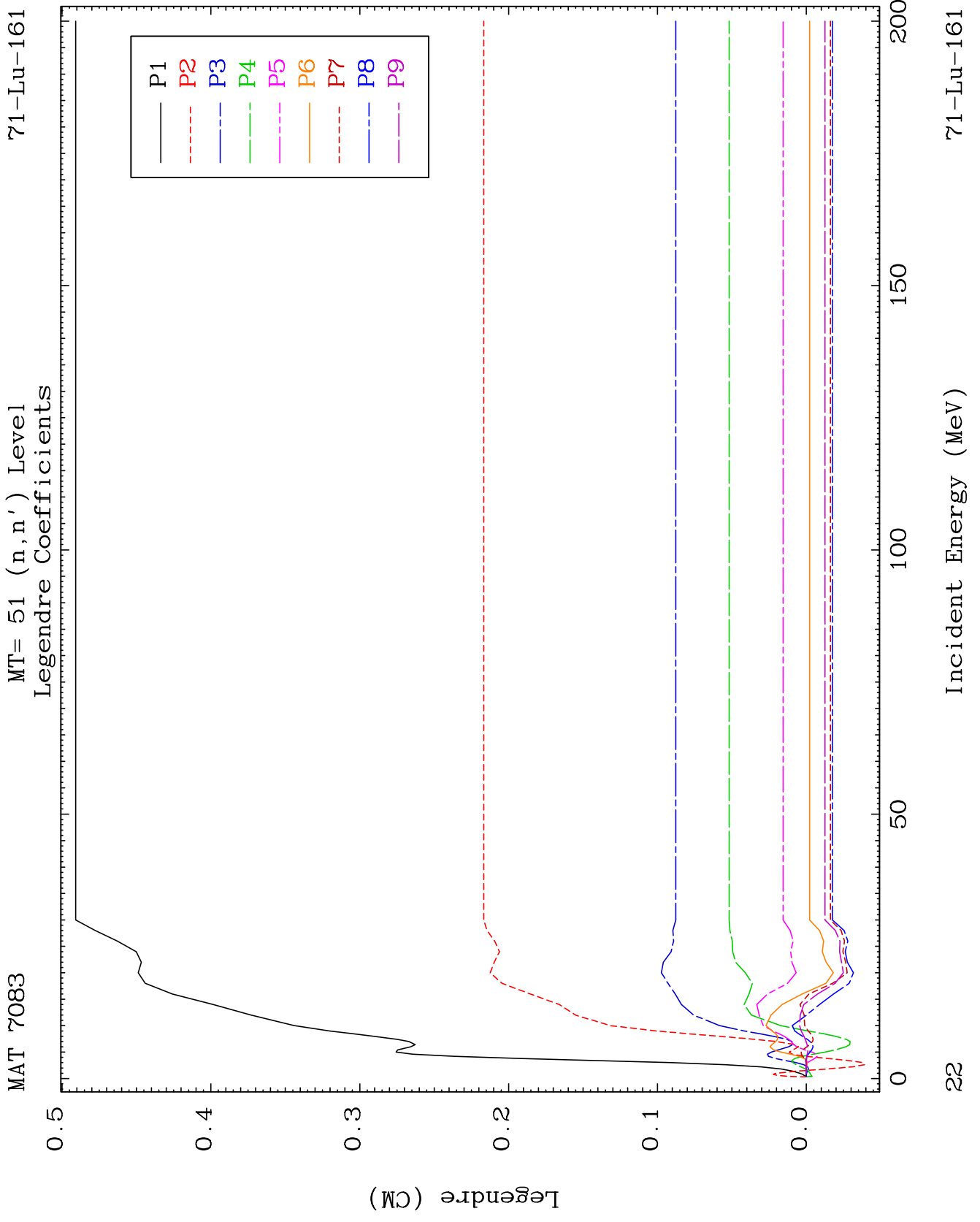
Legendre (CM)



21

Incident Energy (MeV)

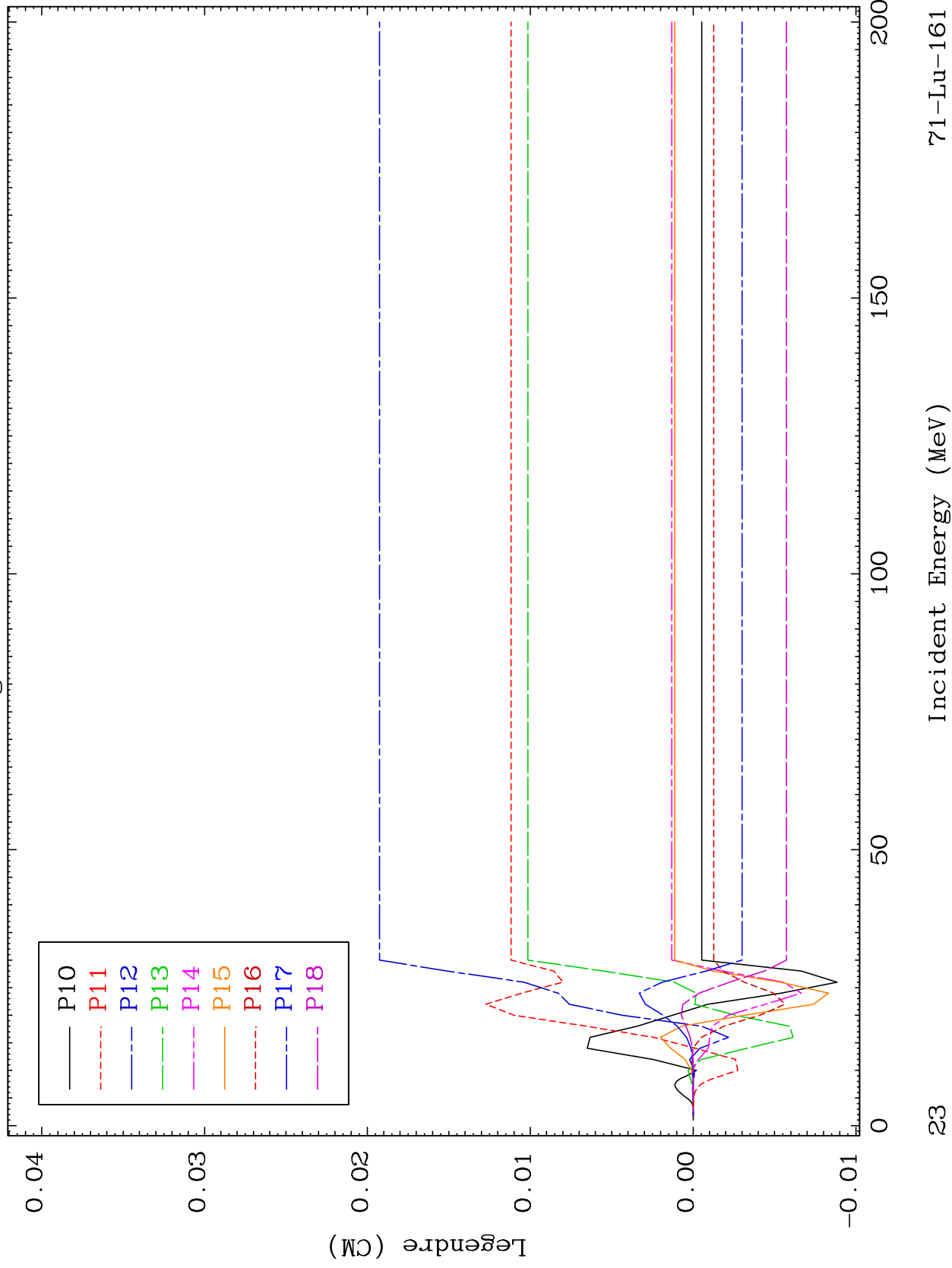
71-Lu-161



MAT 7083

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

71-Lu-161



23

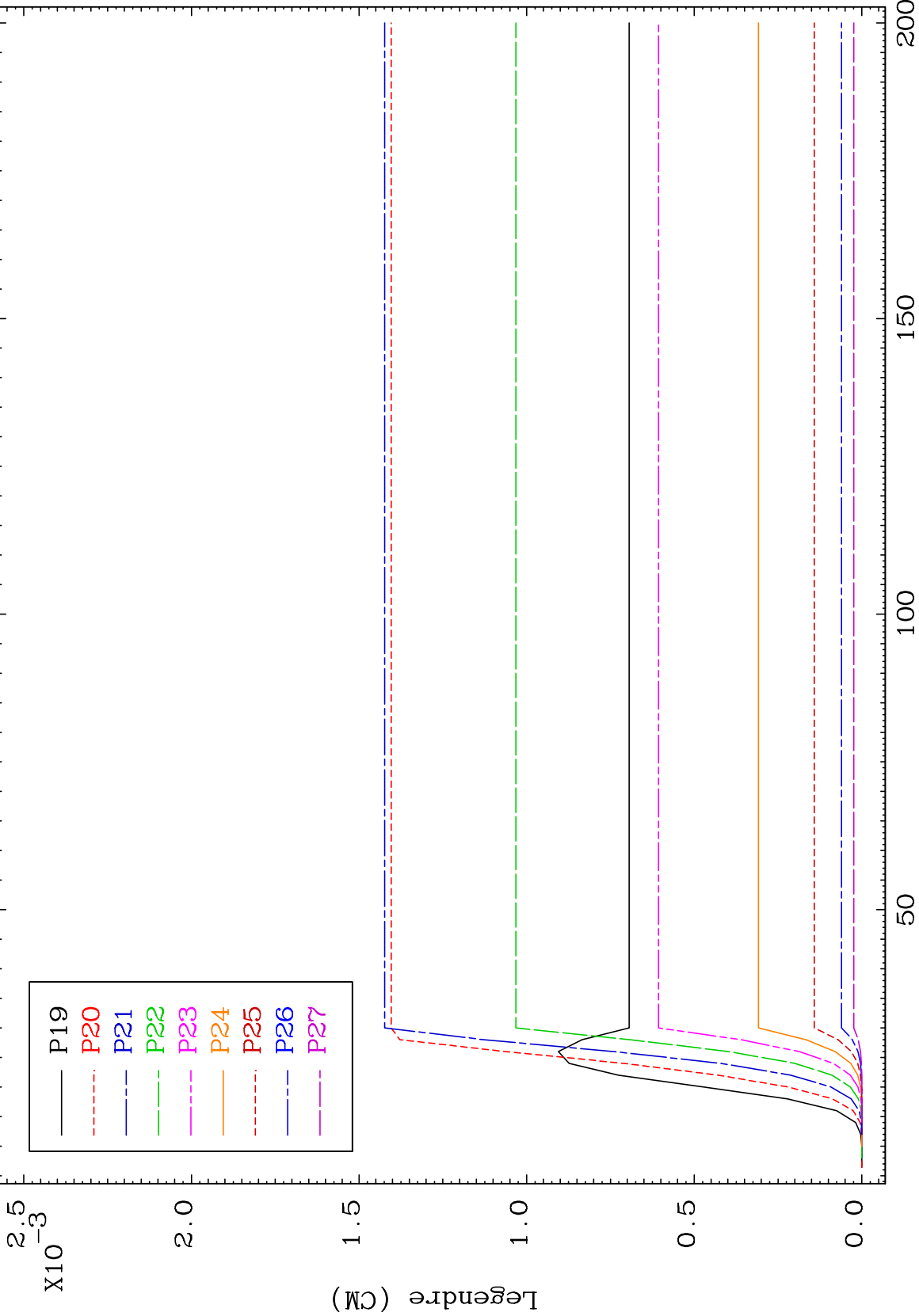
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



24

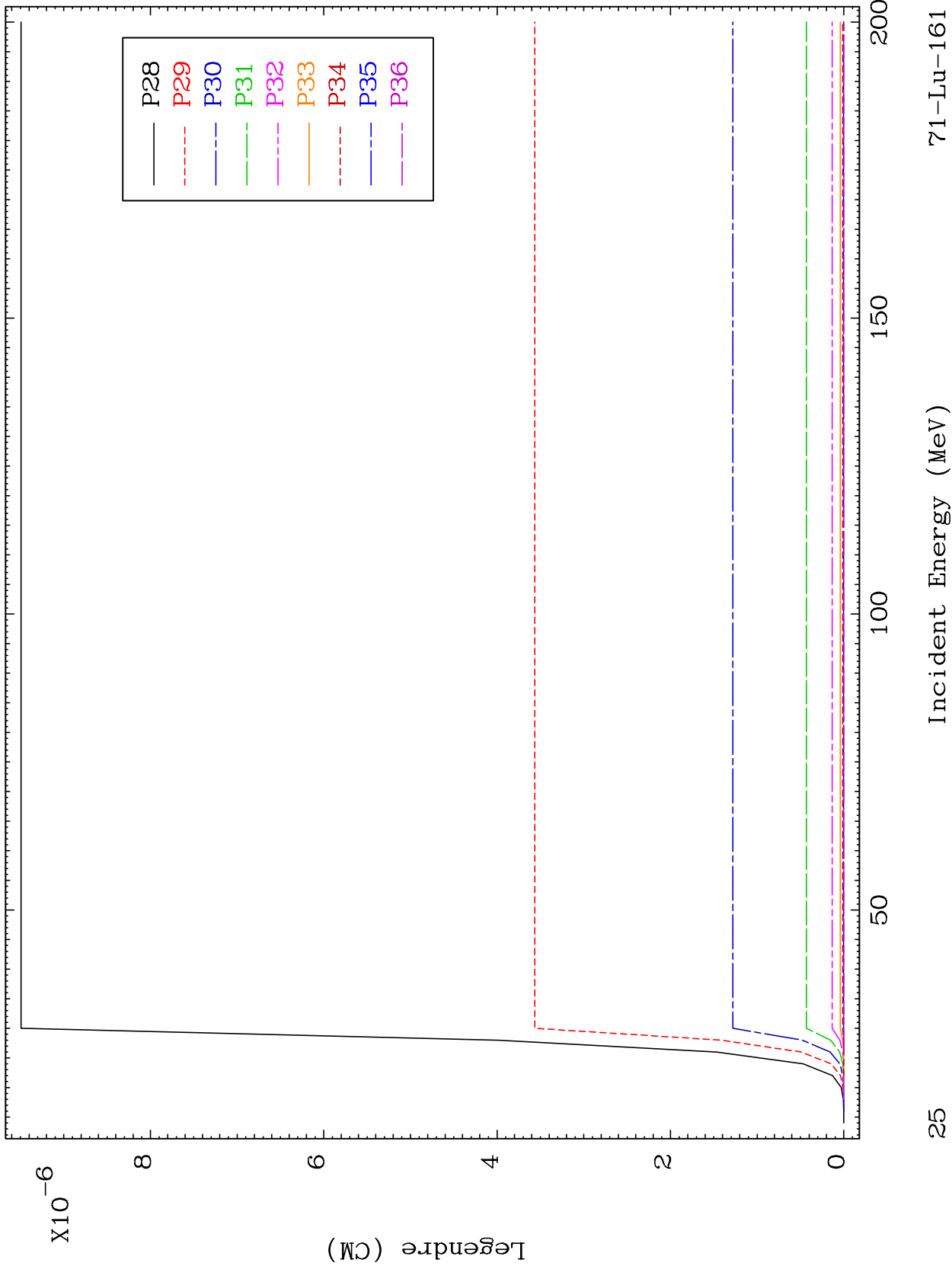
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



25

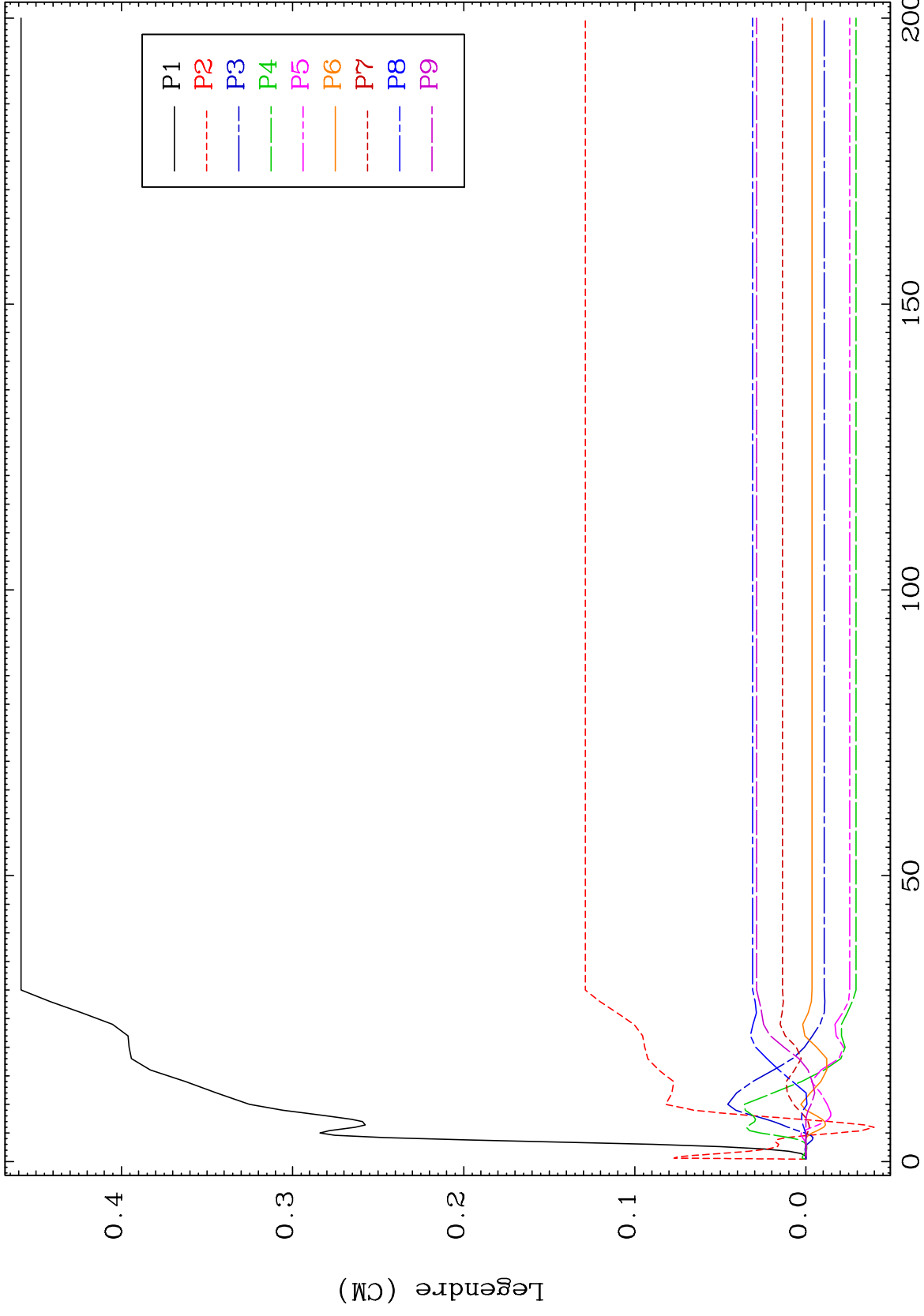
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



26

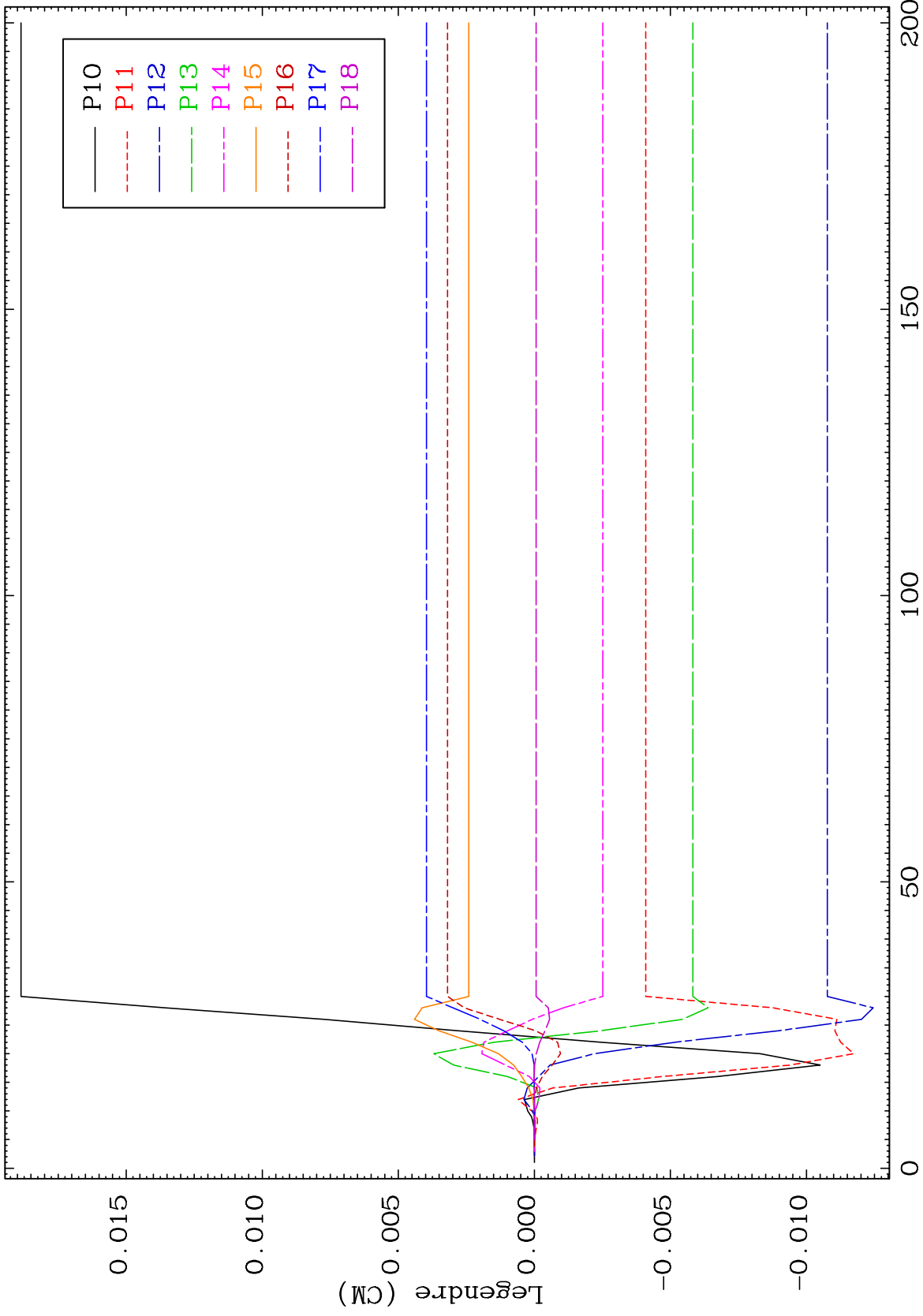
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

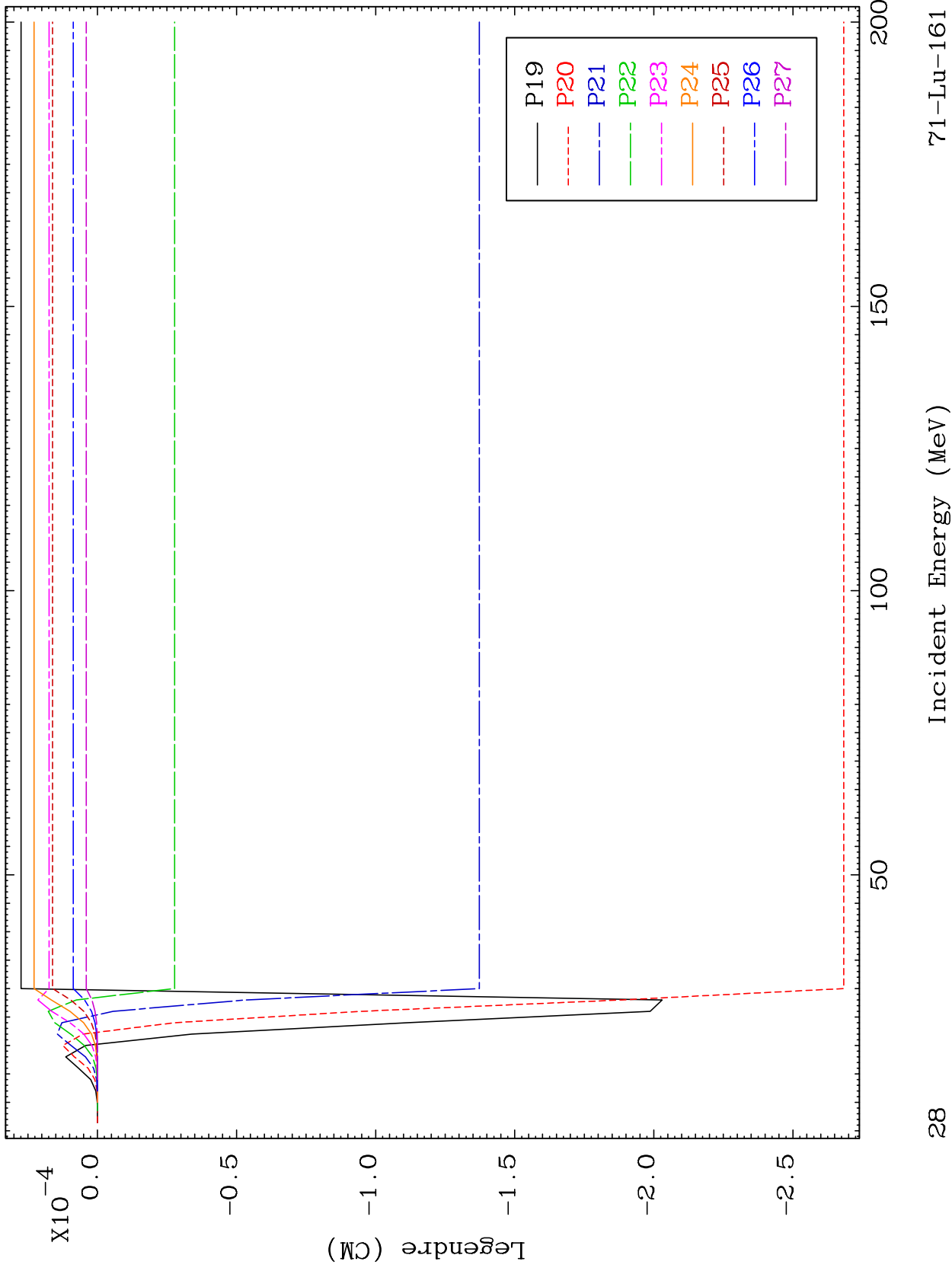
71-Lu-161



27

Incident Energy (MeV)

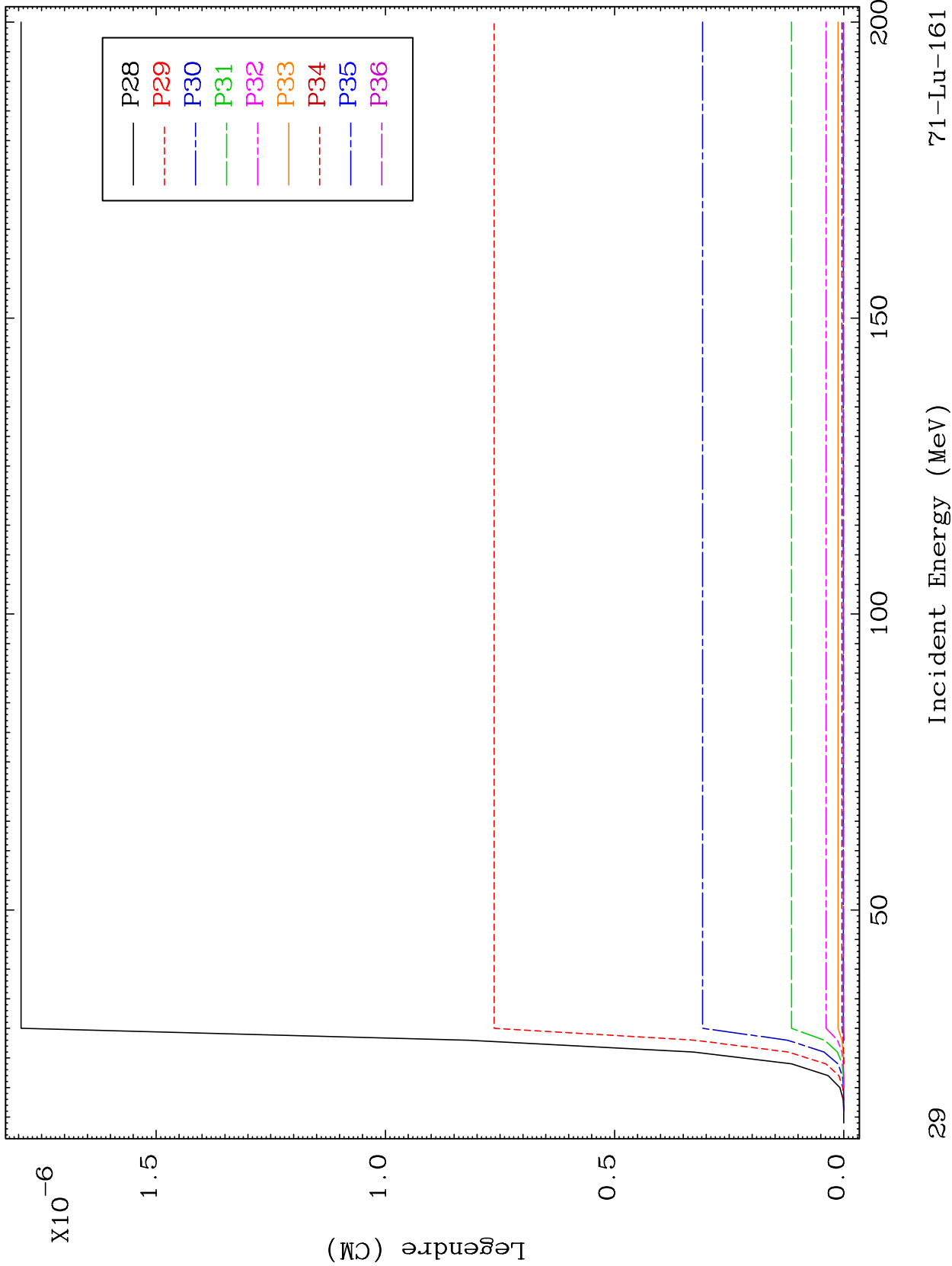
71-Lu-161



MAT 7083

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

71-Lu-161



29

Incident Energy (MeV)

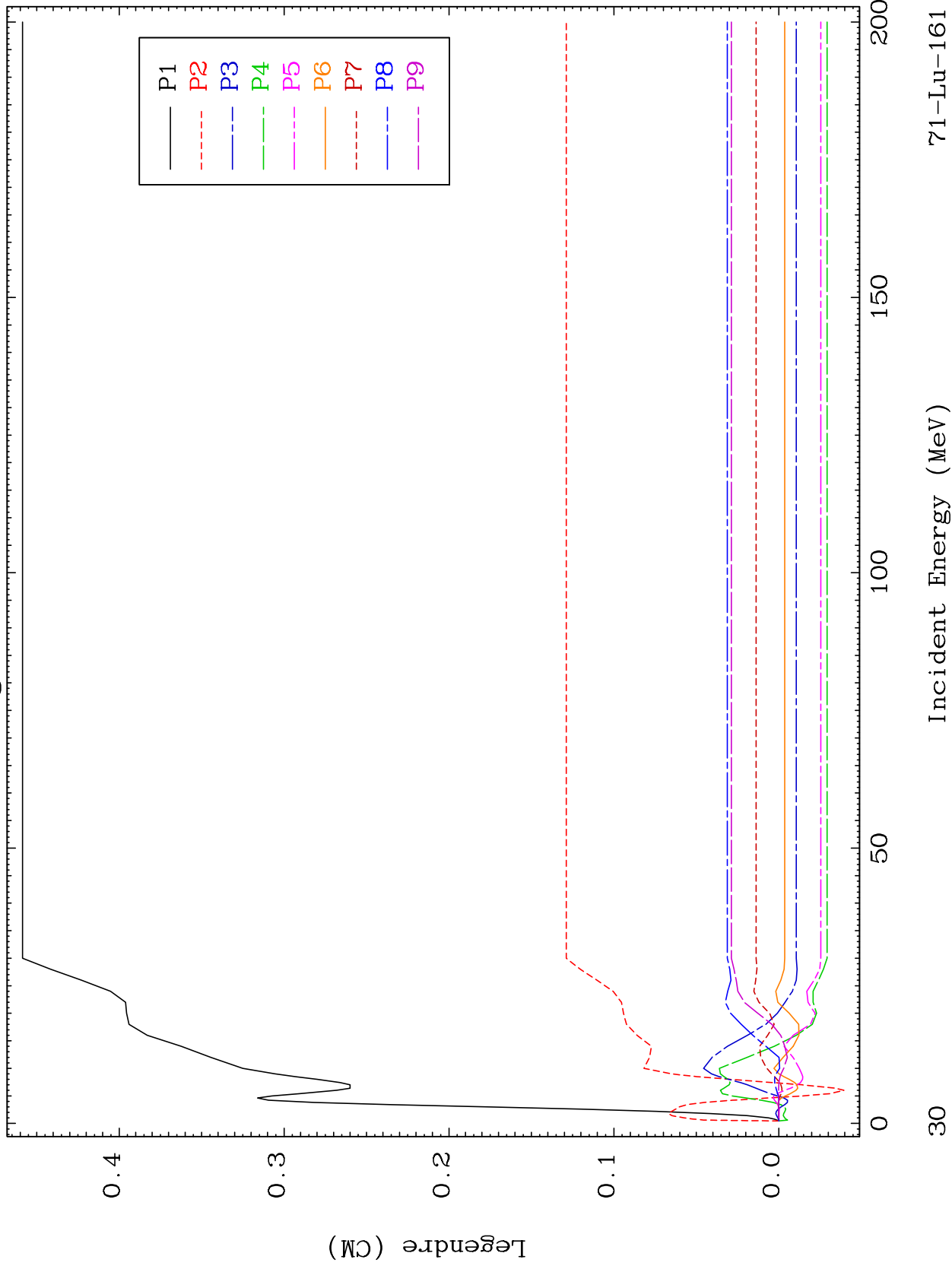
71-Lu-161

MAT 7083

MT= 53 (n,n') Level

71-Lu-161

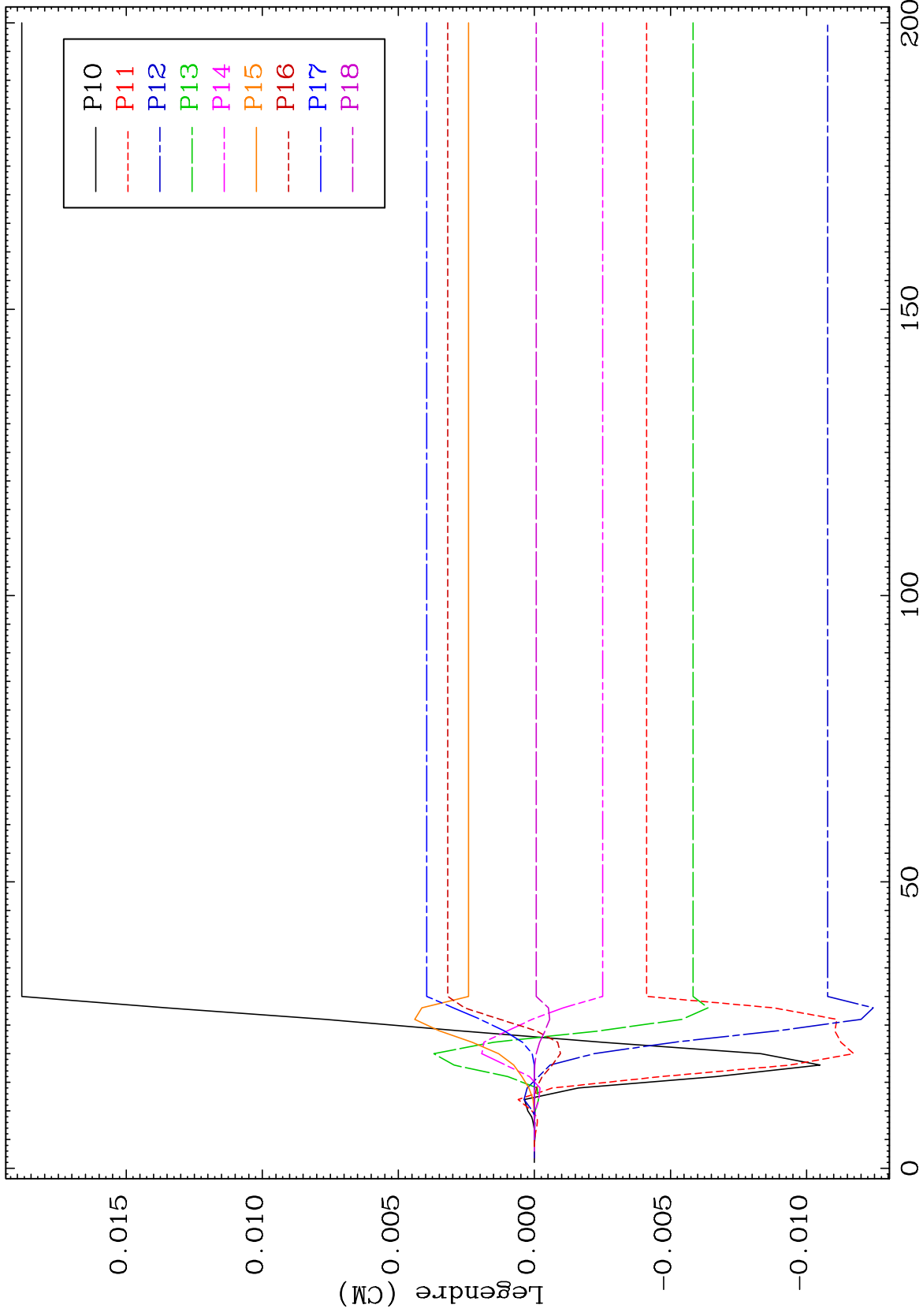
Legendre Coefficients



MAT 7083

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

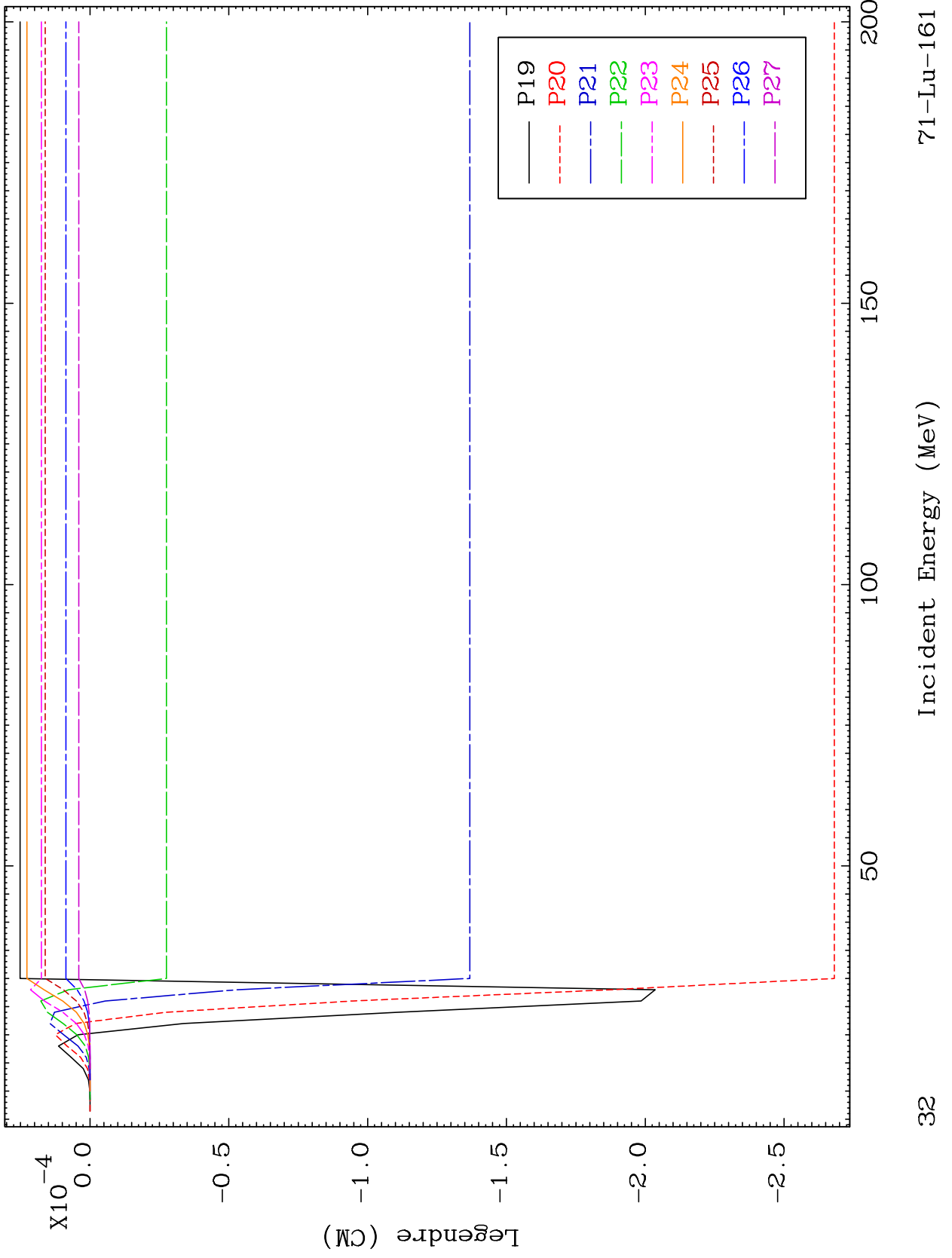
71-Lu-161



31

Incident Energy (MeV)

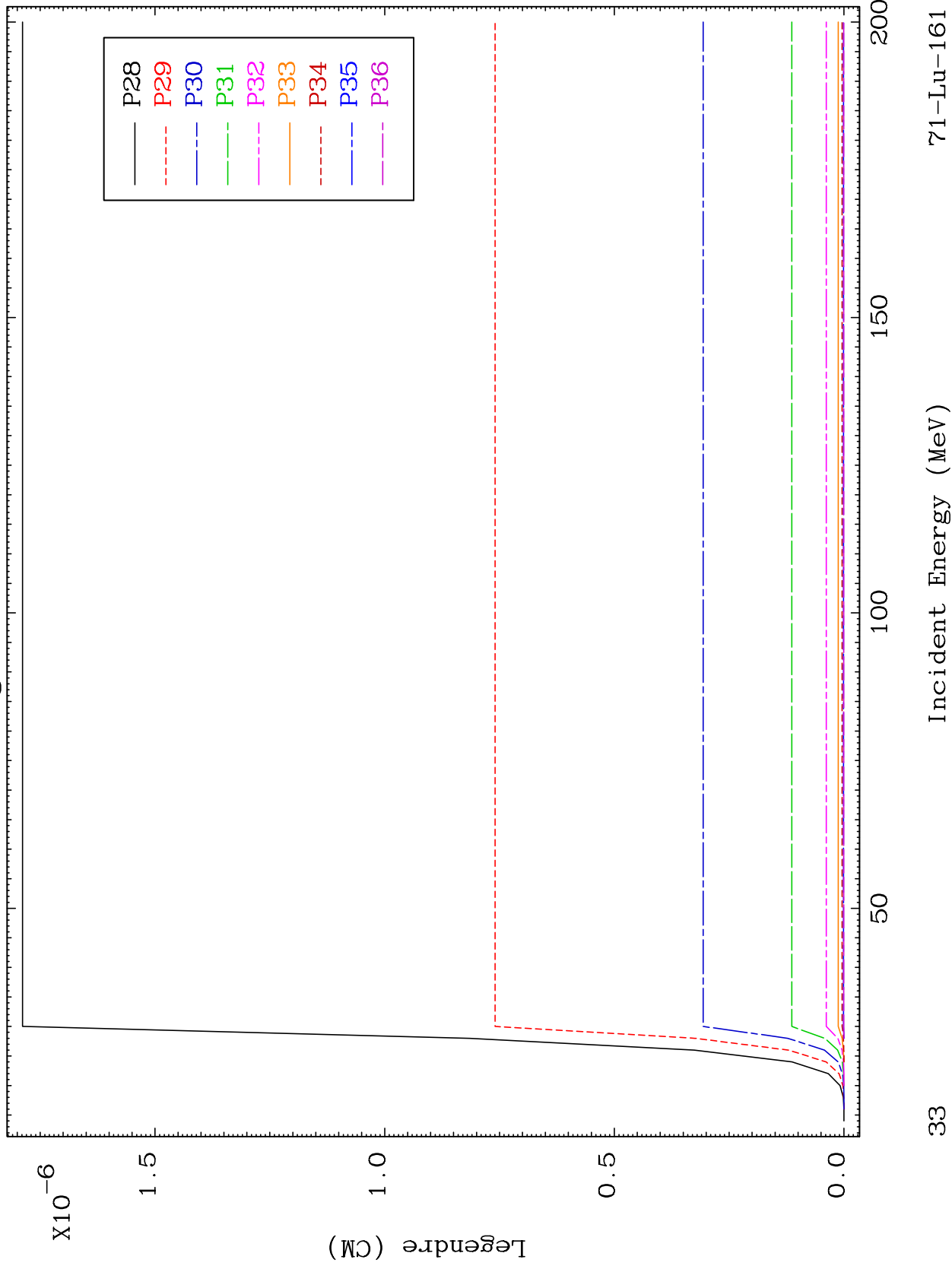
71-Lu-161



MAT 7083

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

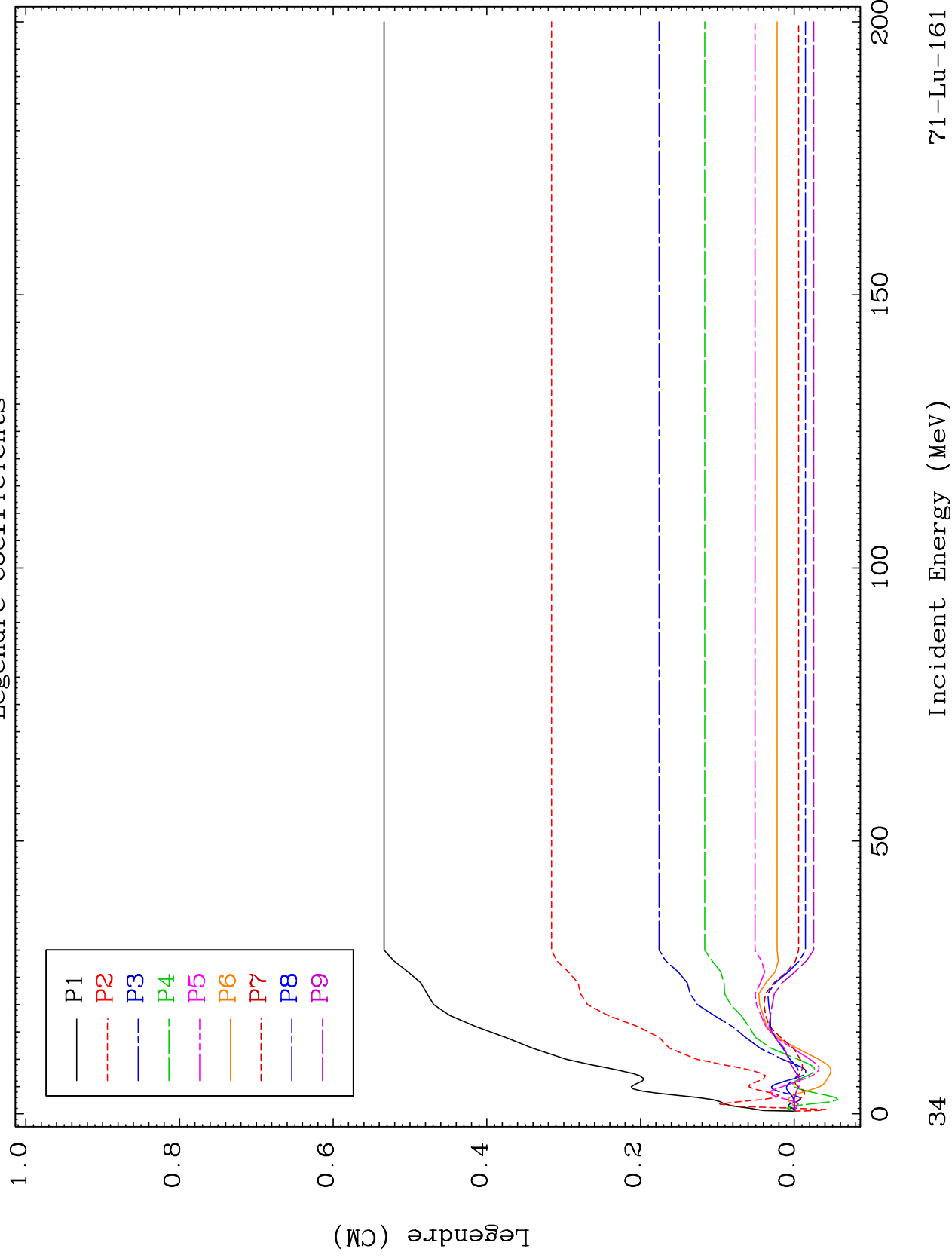
71-Lu-161



MAT 7083

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

71-Lu-161



34

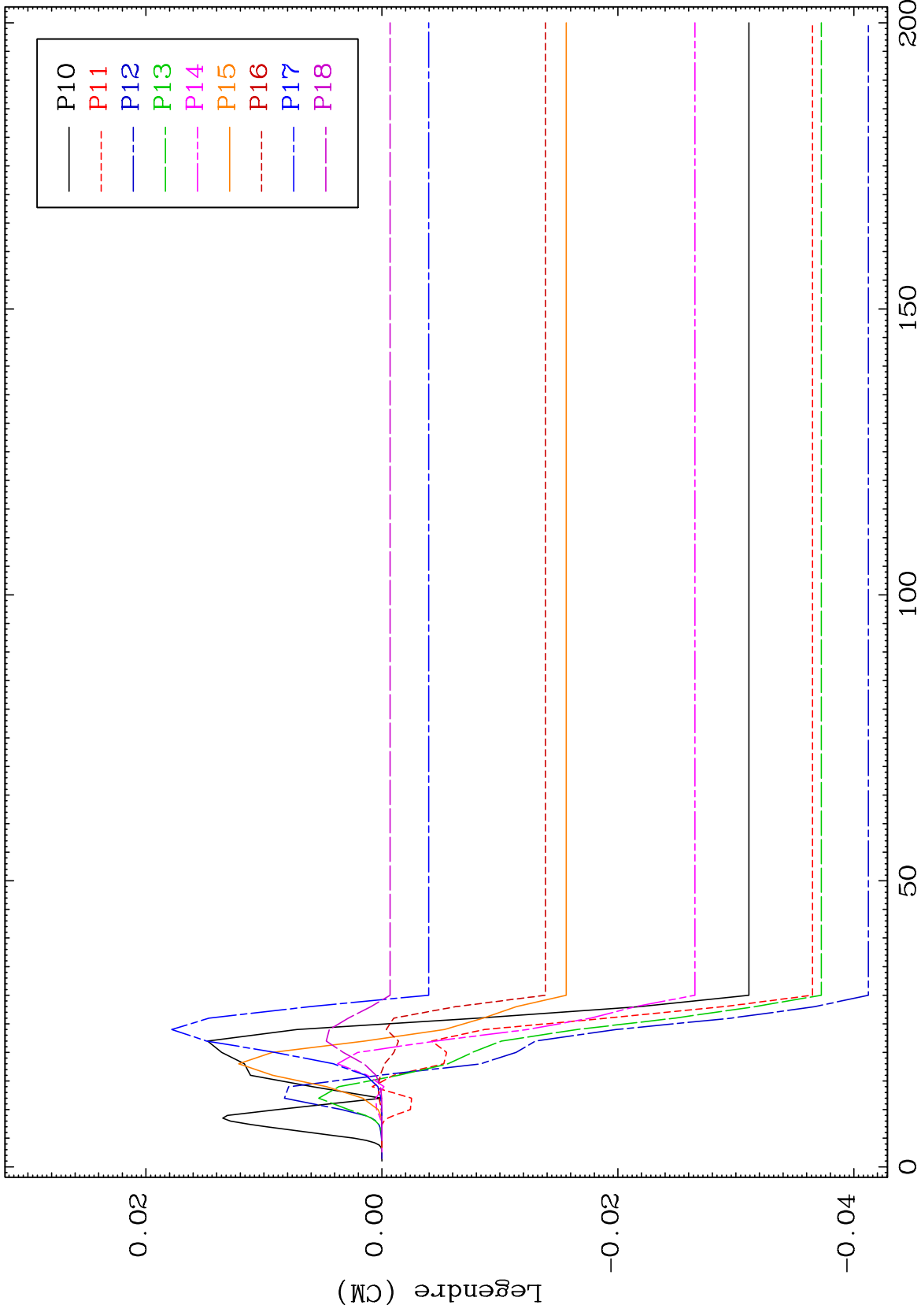
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

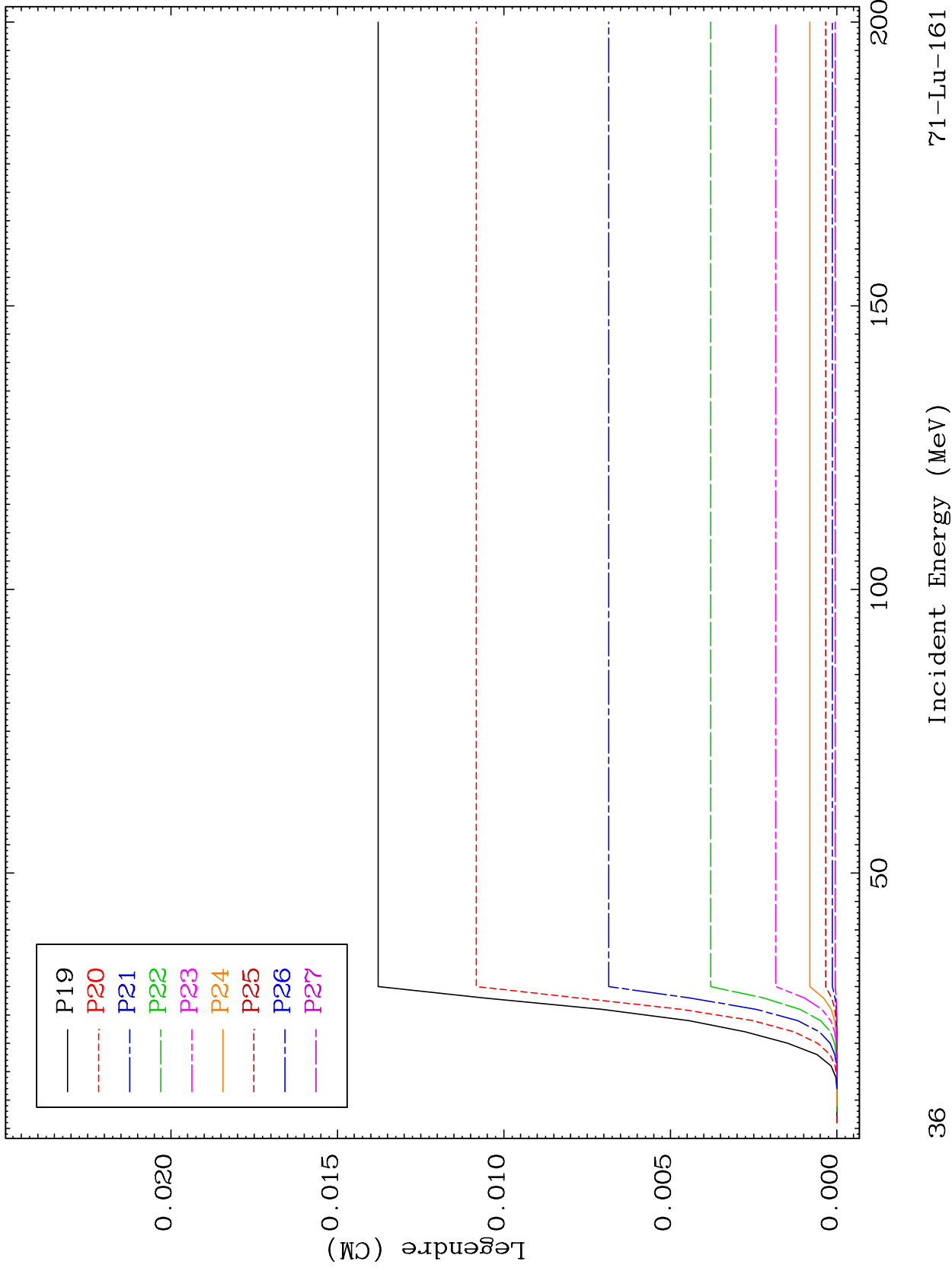
71-Lu-161



35

Incident Energy (MeV)

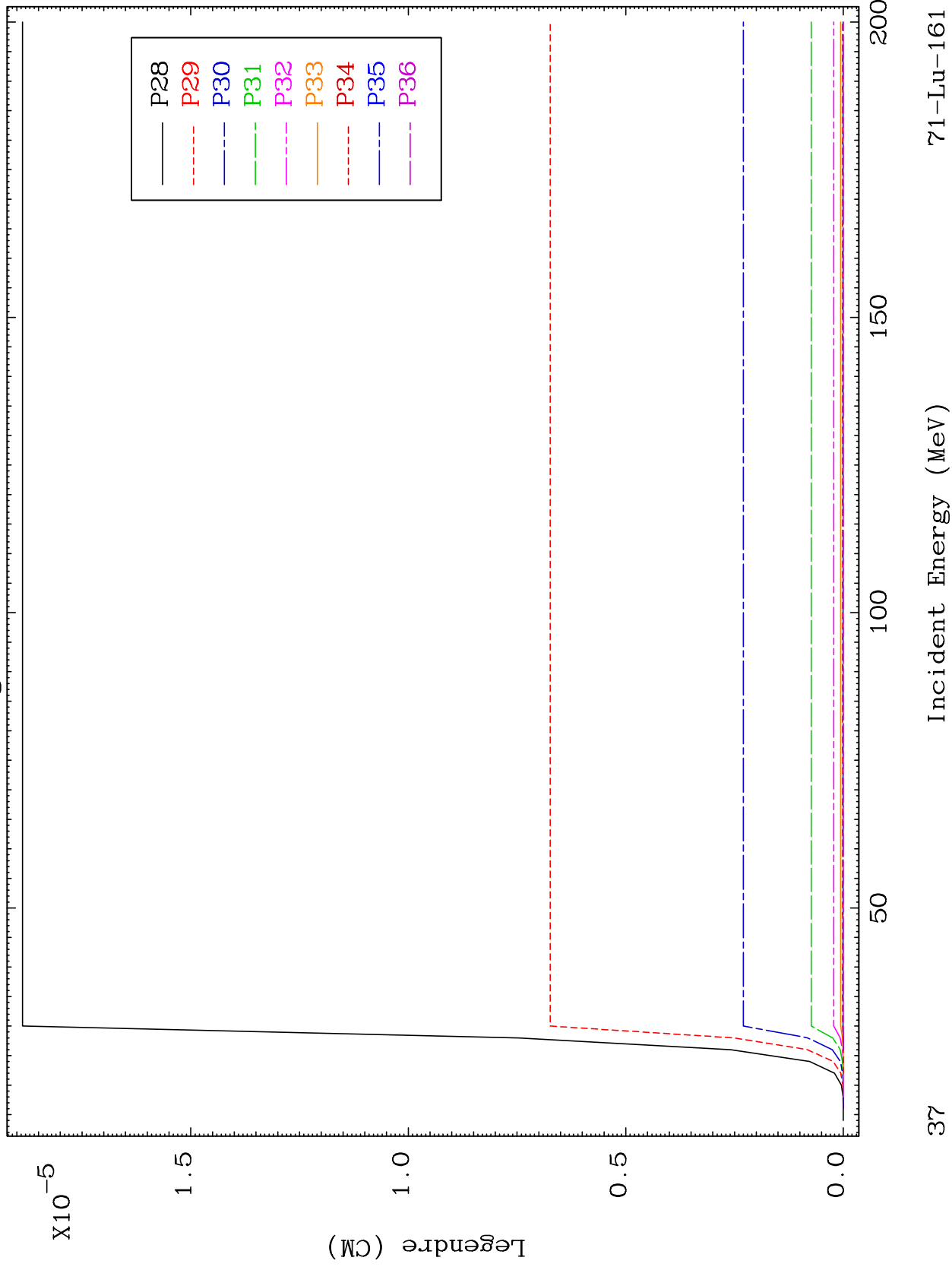
71-Lu-161



MAT 7083

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

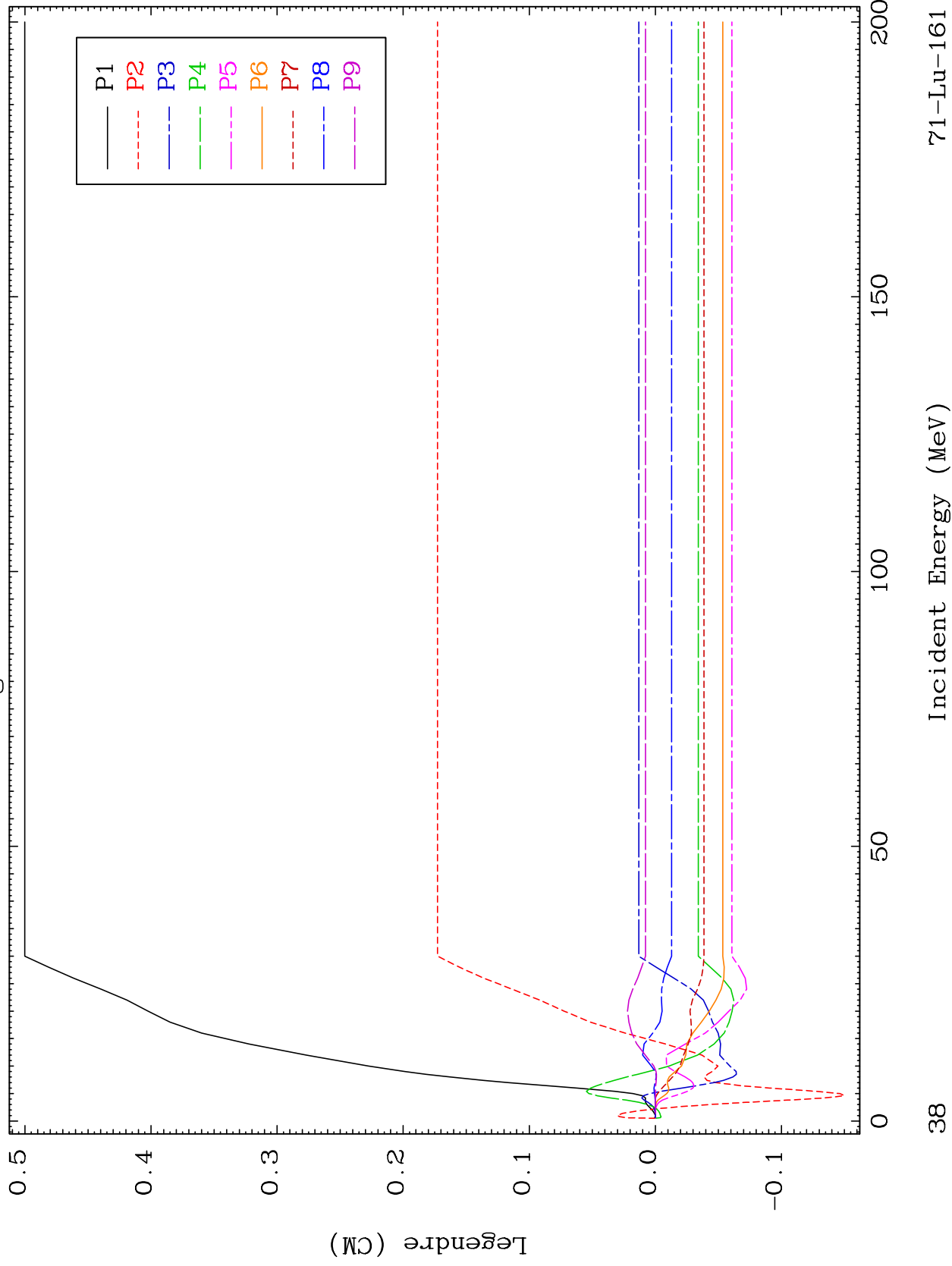
71-Lu-161



MAT 7083

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

71-Lu-161



71-Lu-161

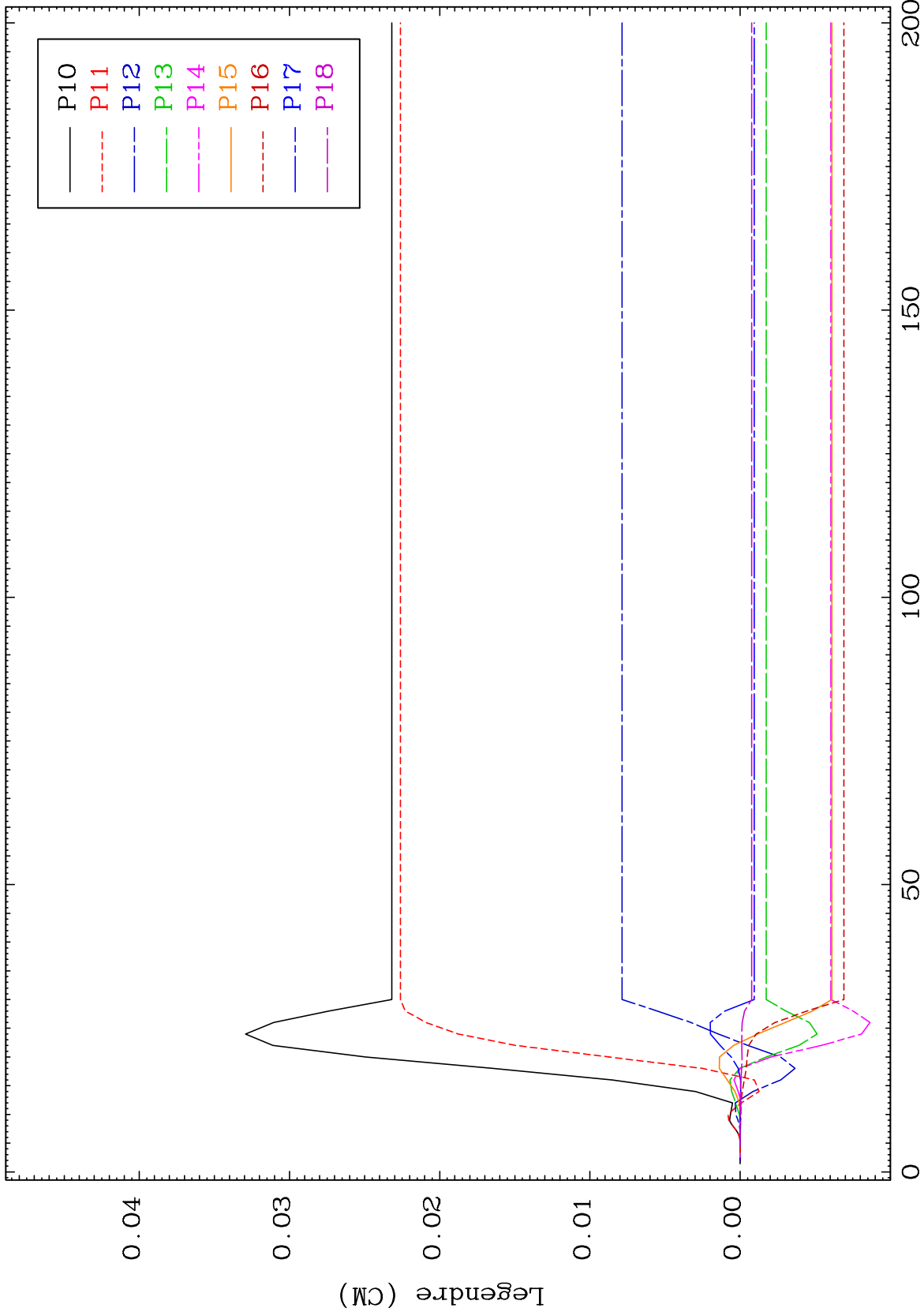
Incident Energy (MeV)

38

MAT 7083

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

71-Lu-161



39

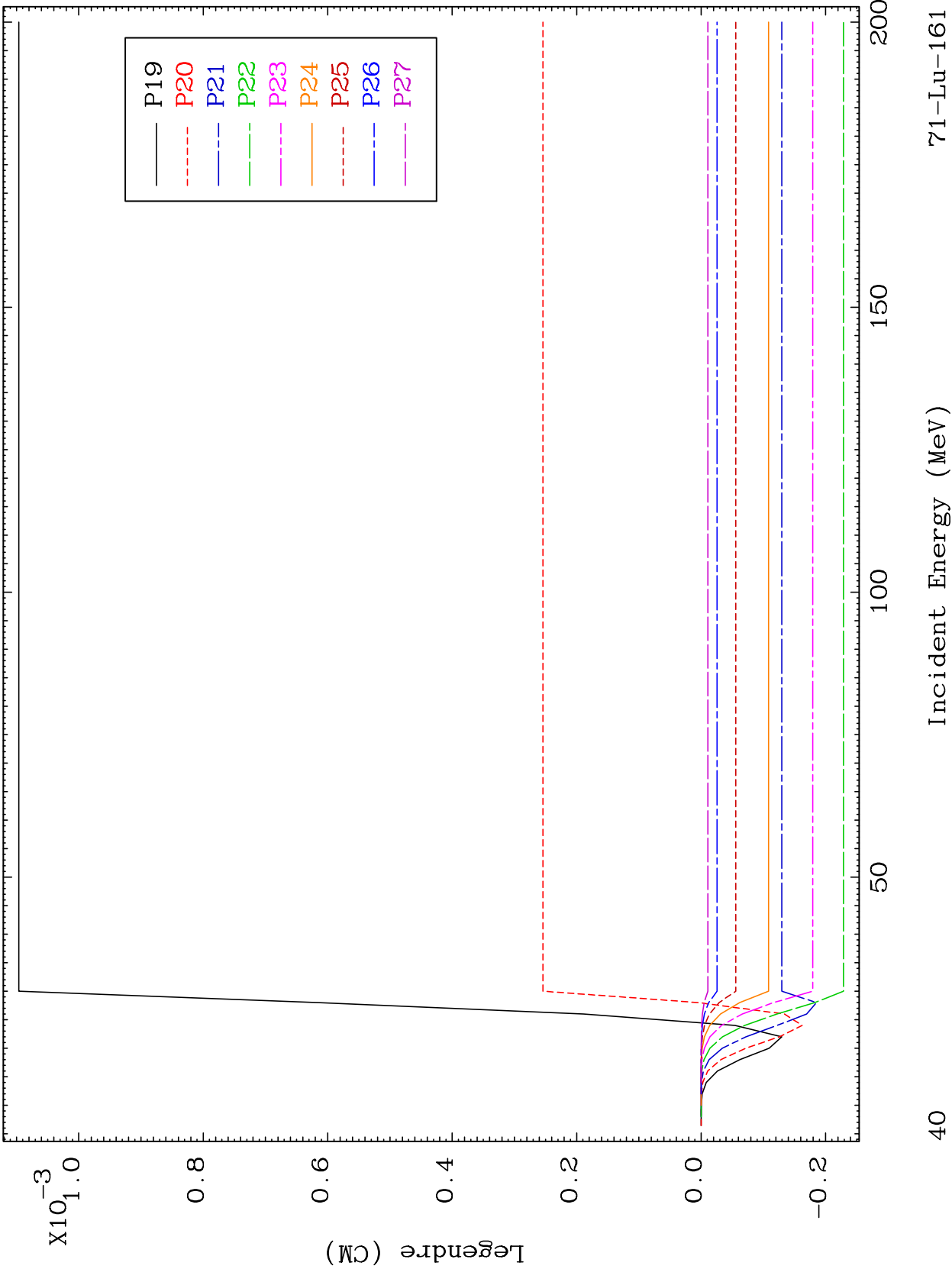
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

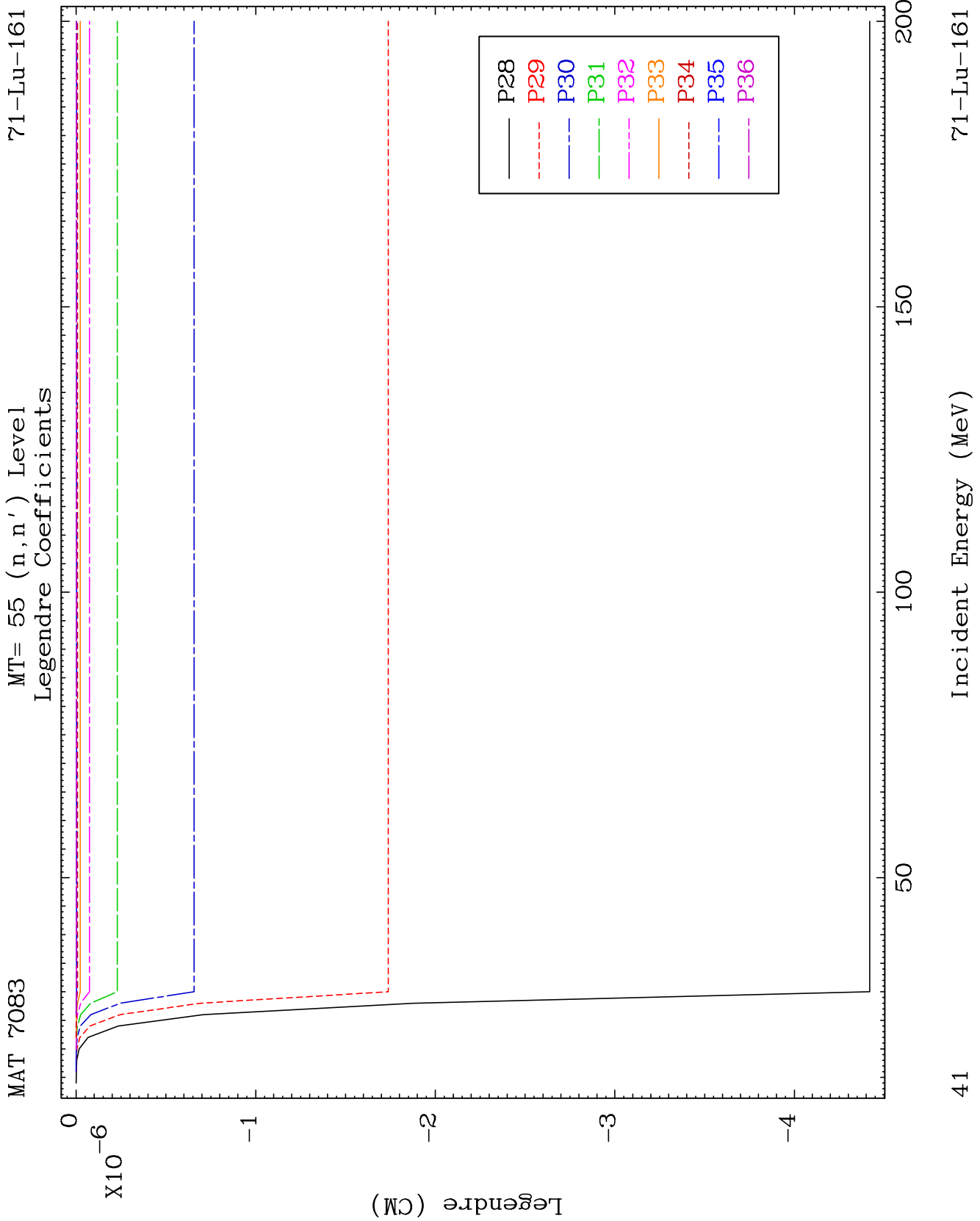
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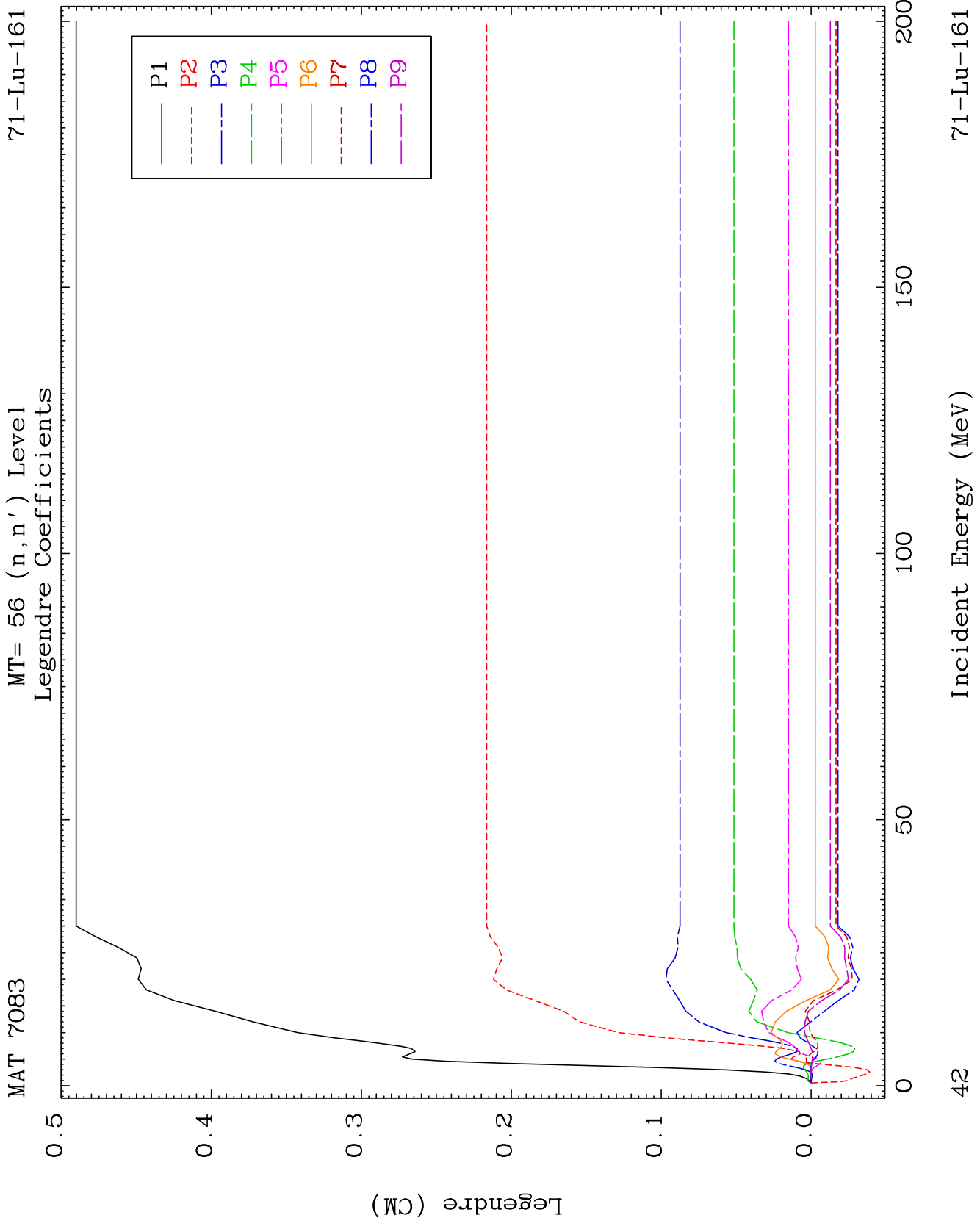


71-Lu-161

Incident Energy (MeV)

40

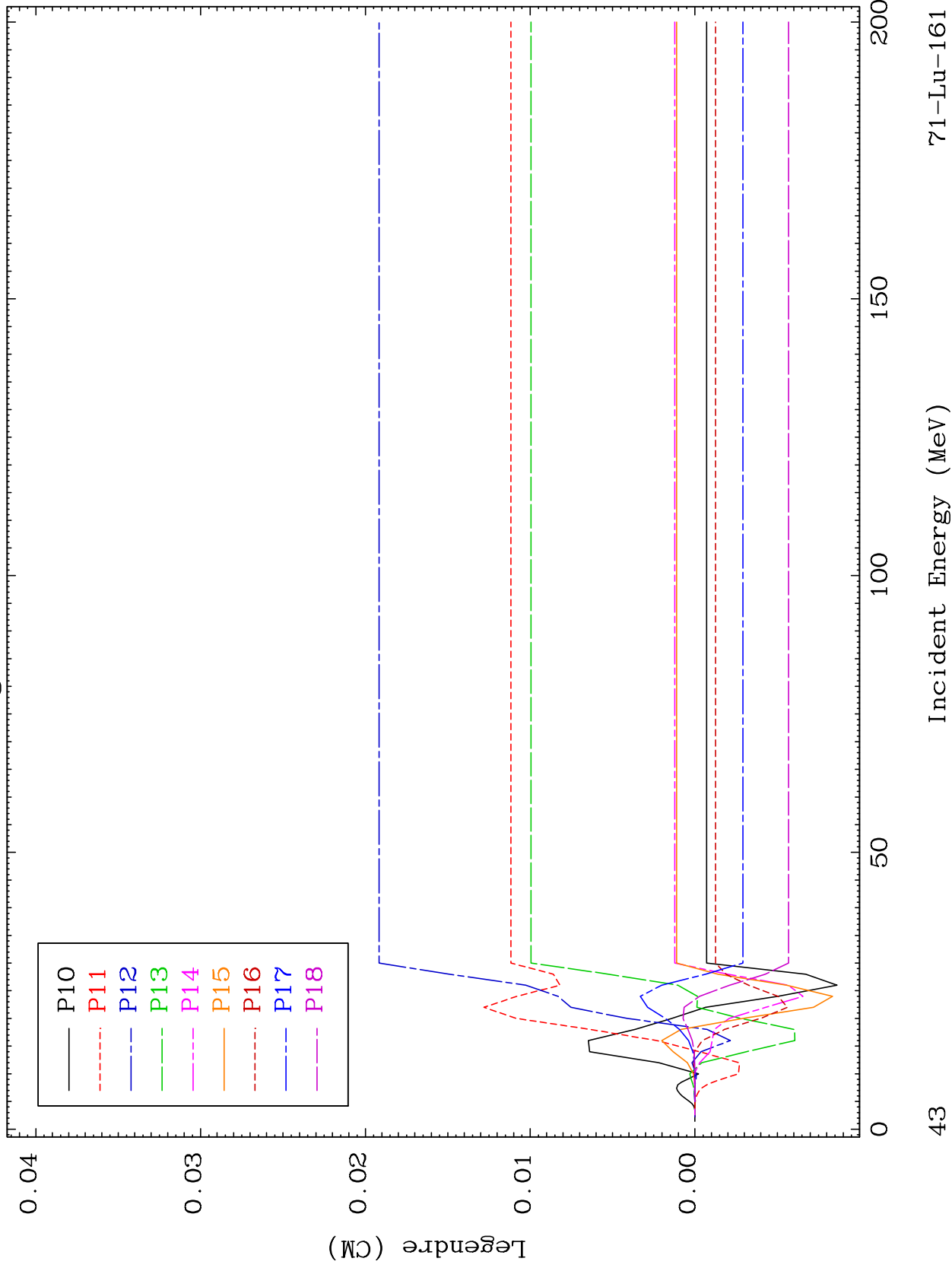




MAT 7083

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

71-Lu-161



71-Lu-161

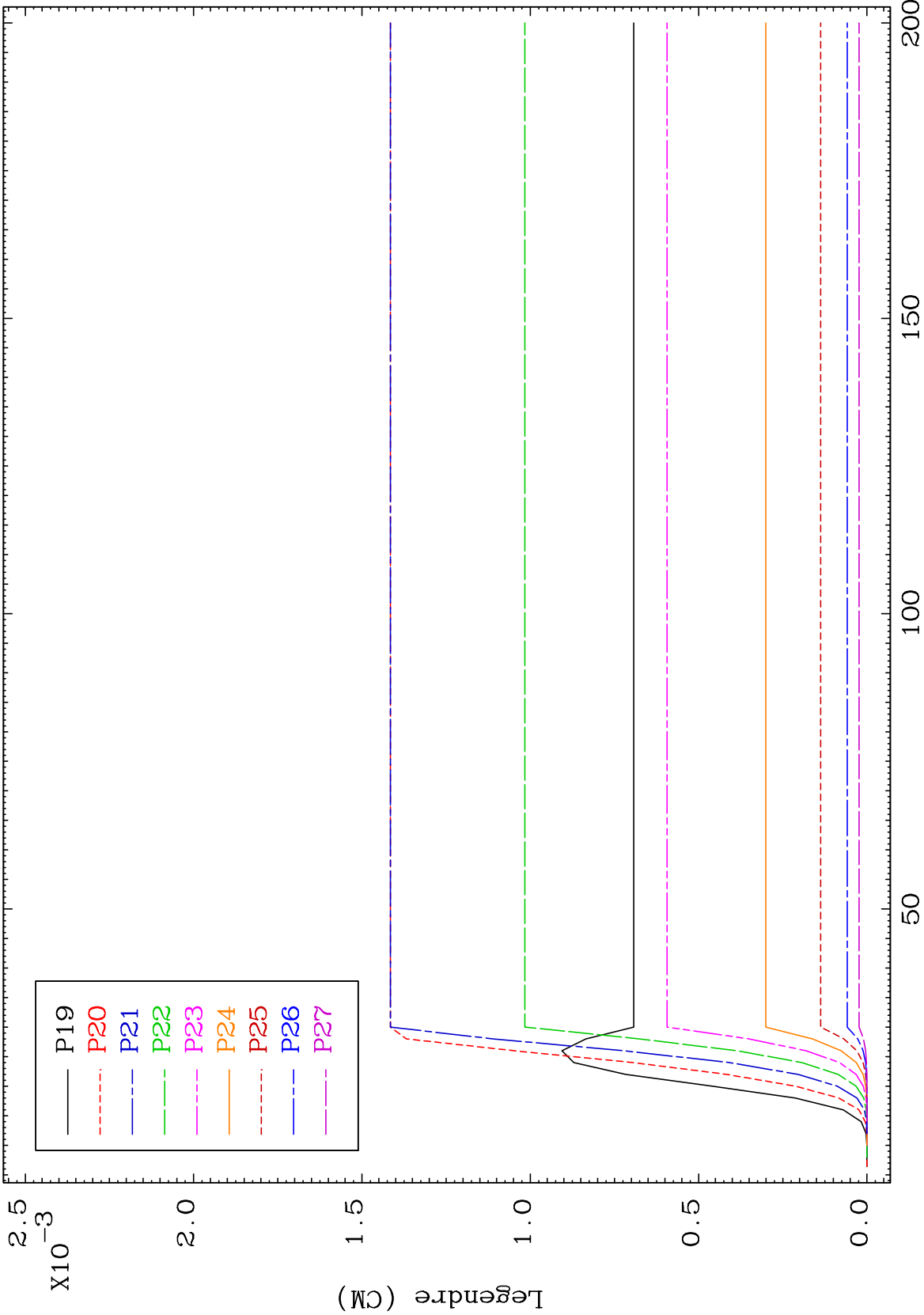
Incident Energy (MeV)

43

MAT 7083

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

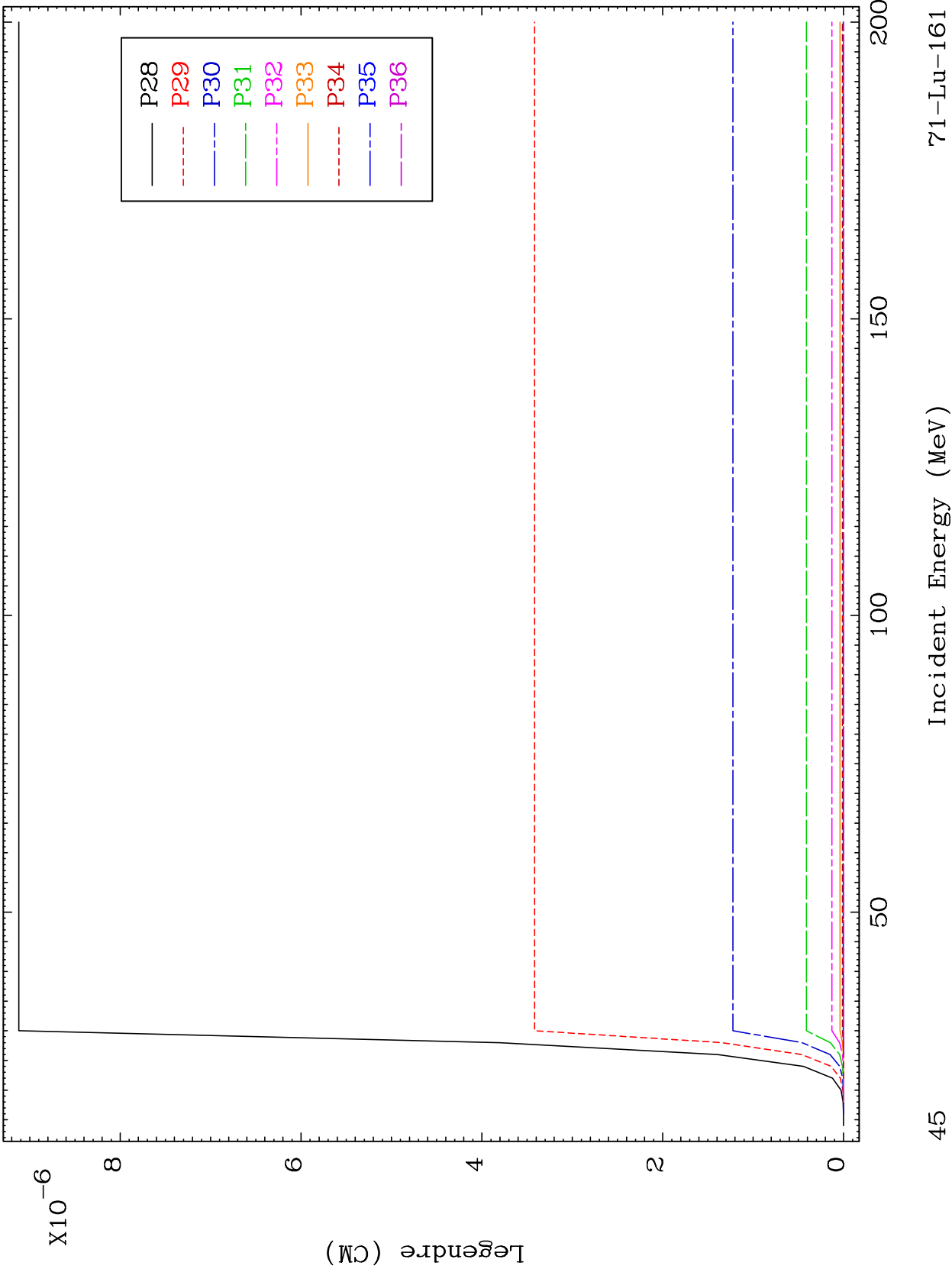
71-Lu-161



MAT 7083

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

71-Lu-161



45

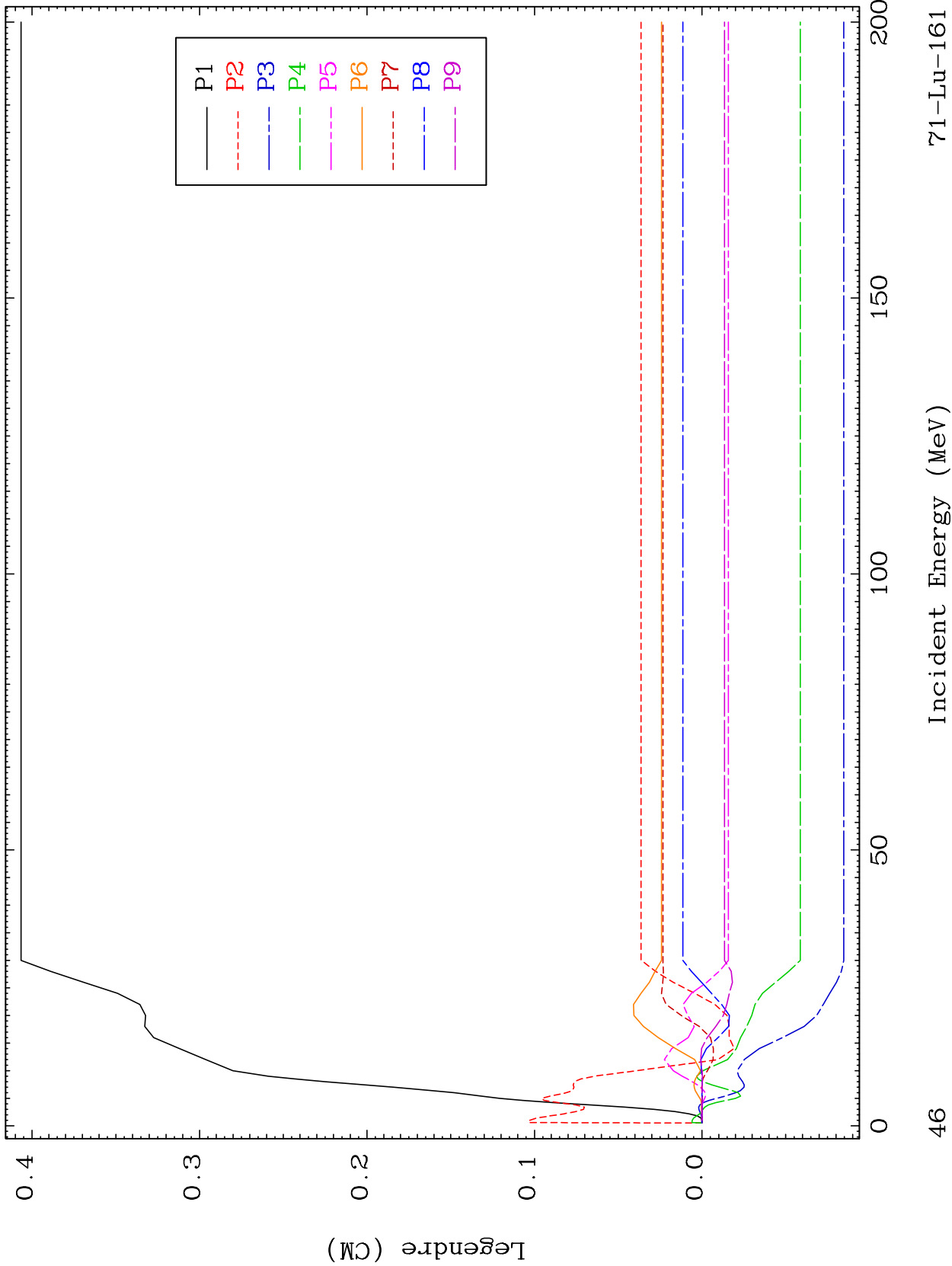
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

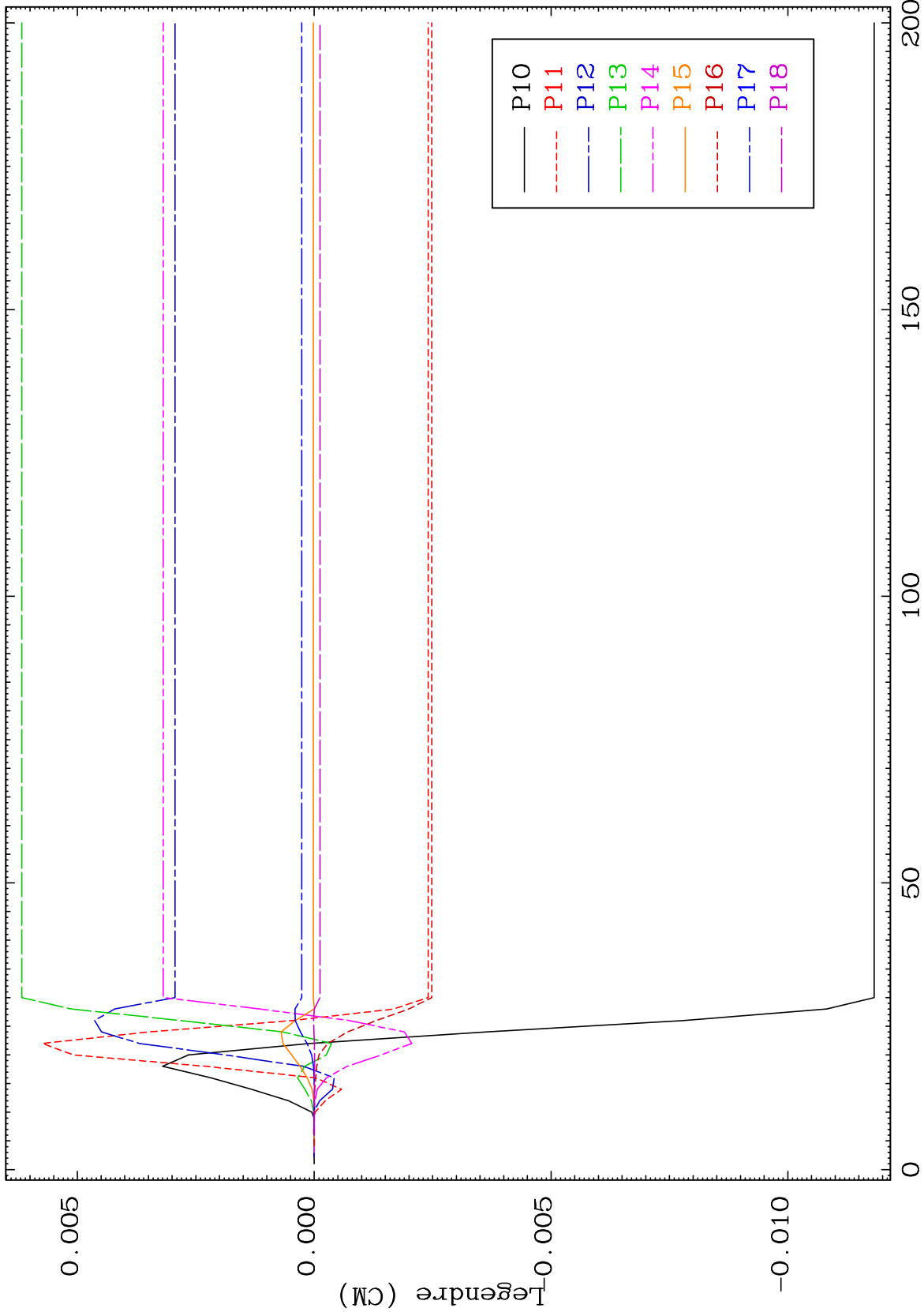
Incident Energy (MeV)

46

MAT 7083

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

71-Lu-161



47

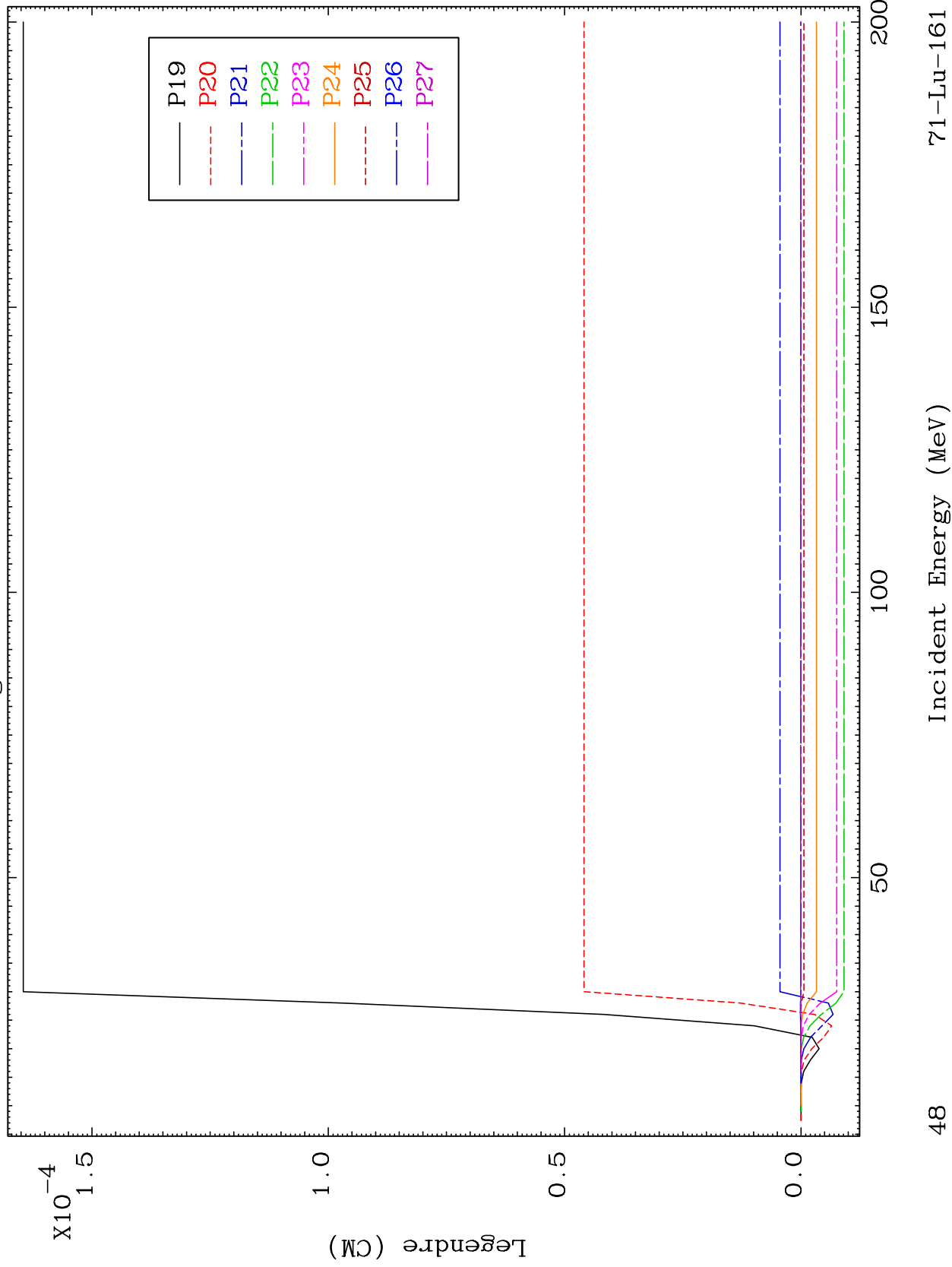
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



48

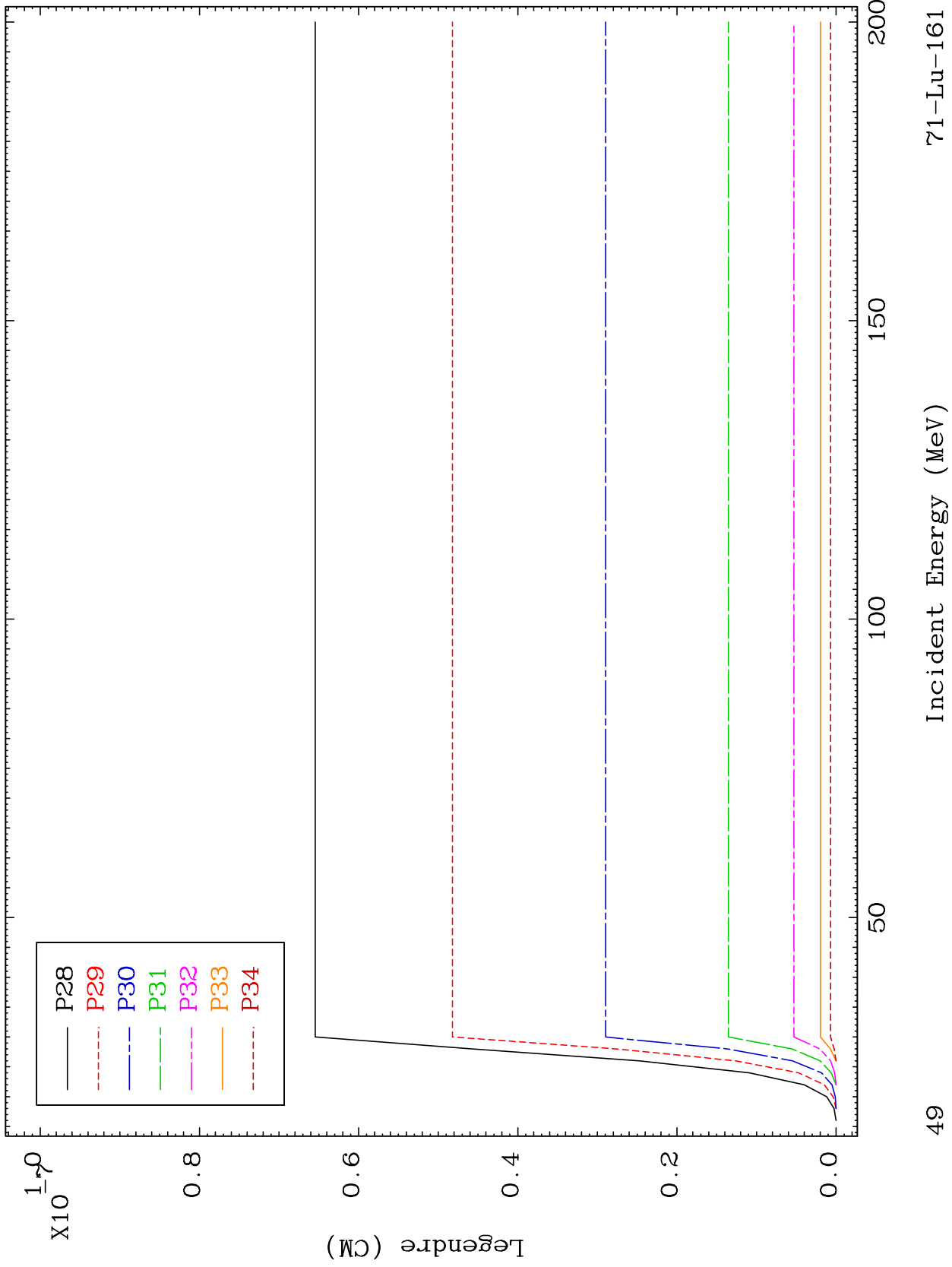
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

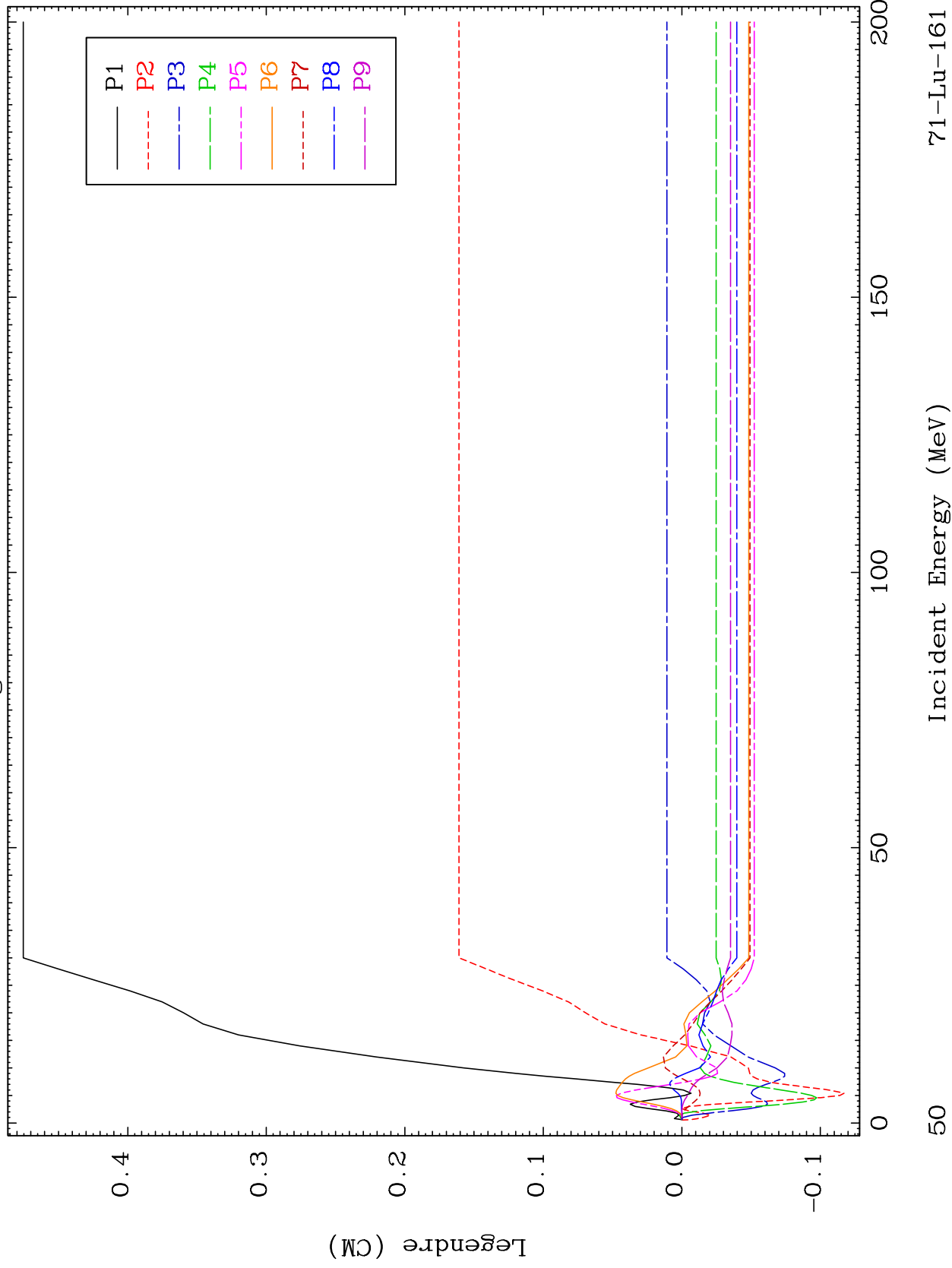
71-Lu-161



MAT 7083

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

71-Lu-161

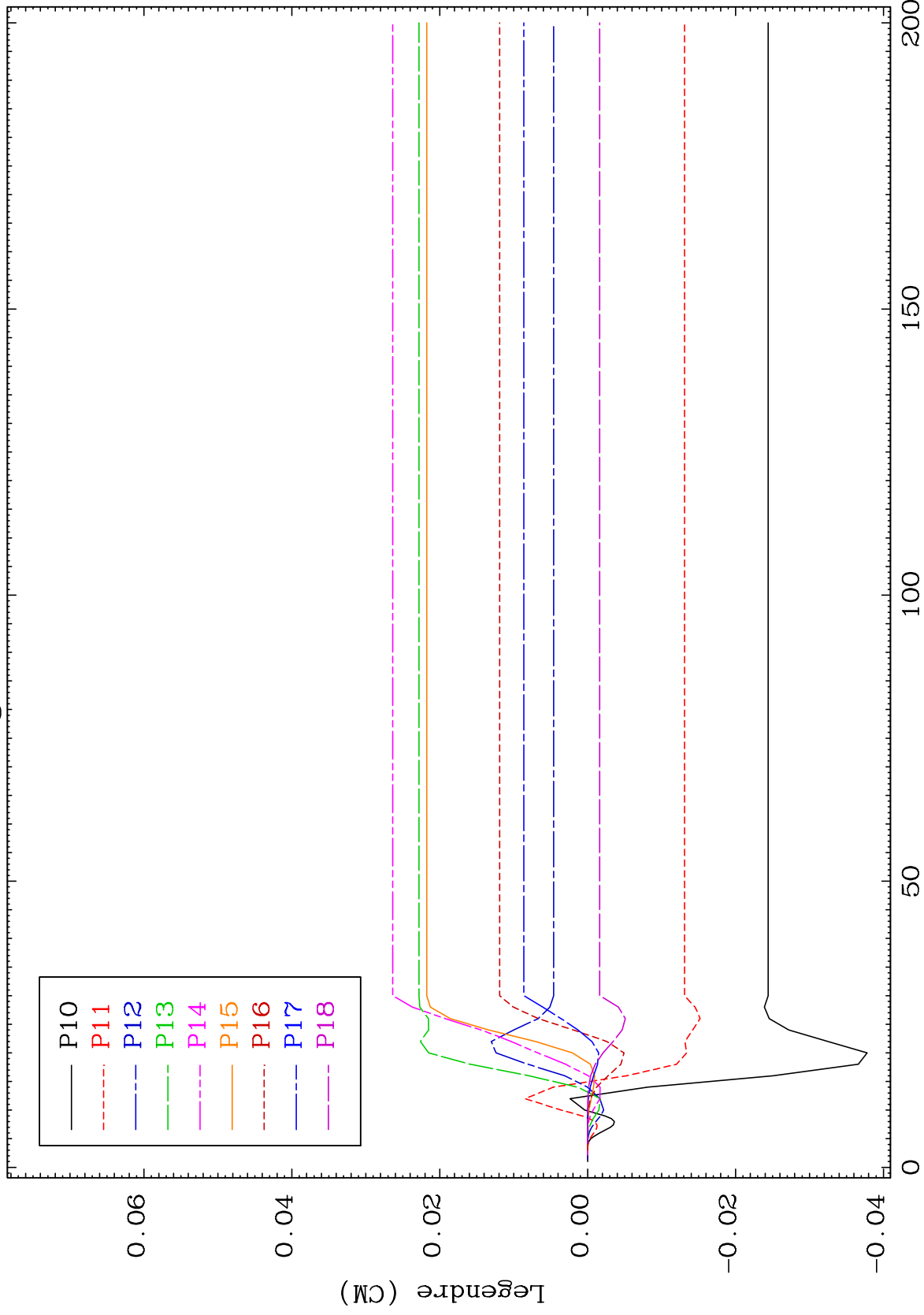


71-Lu-161

MAT 7083

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

71-Lu-161



51

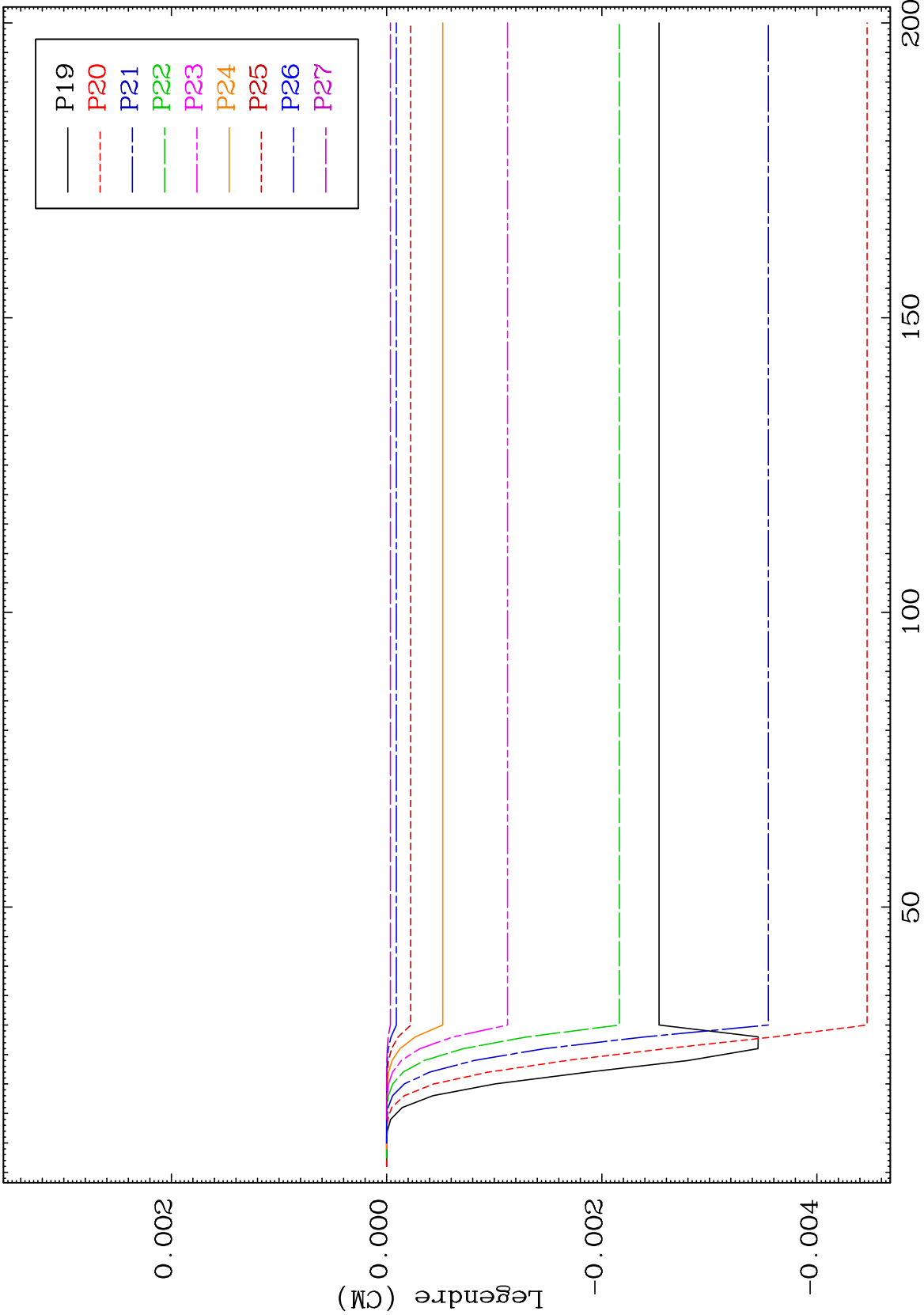
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

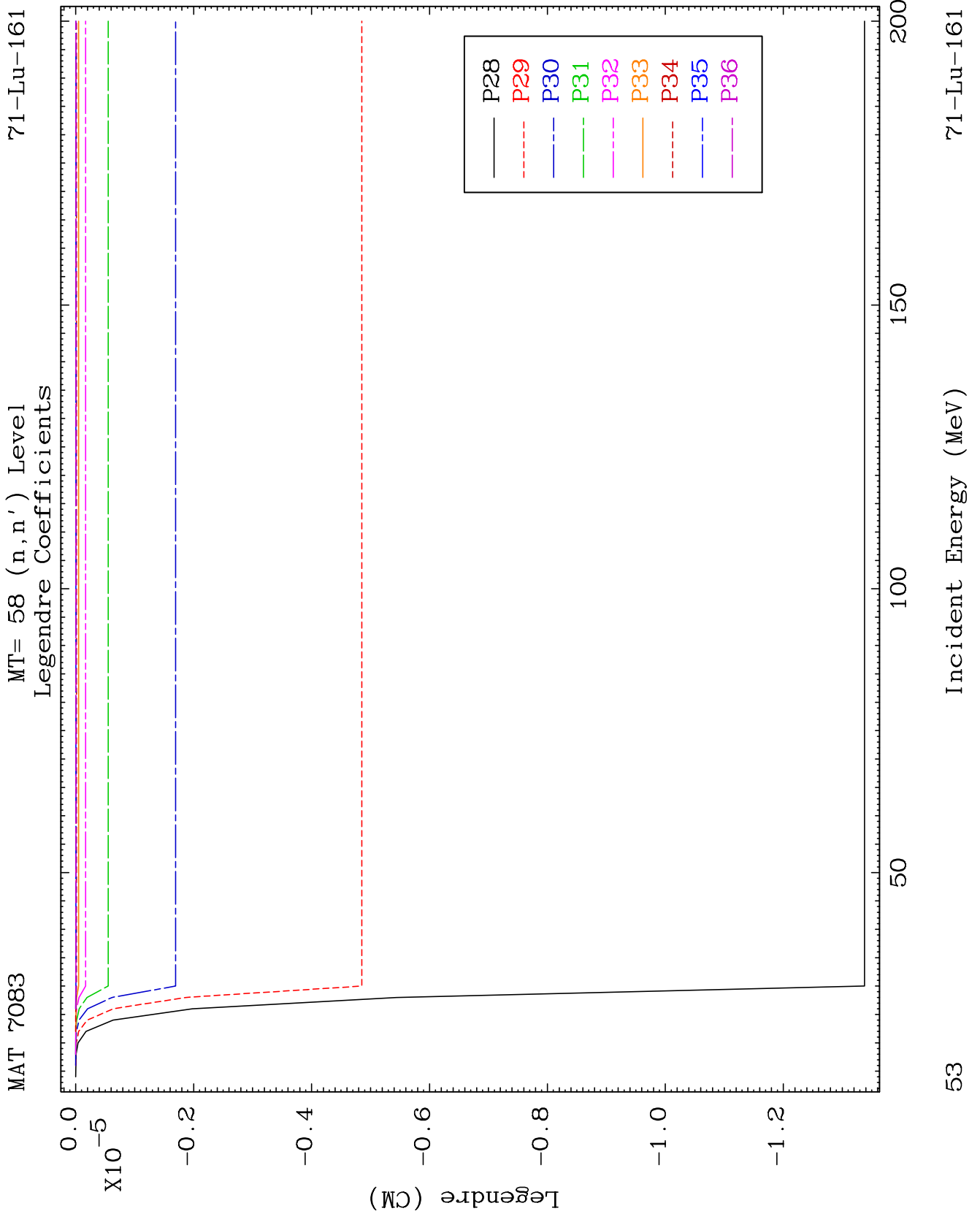
71-Lu-161



52

Incident Energy (MeV)

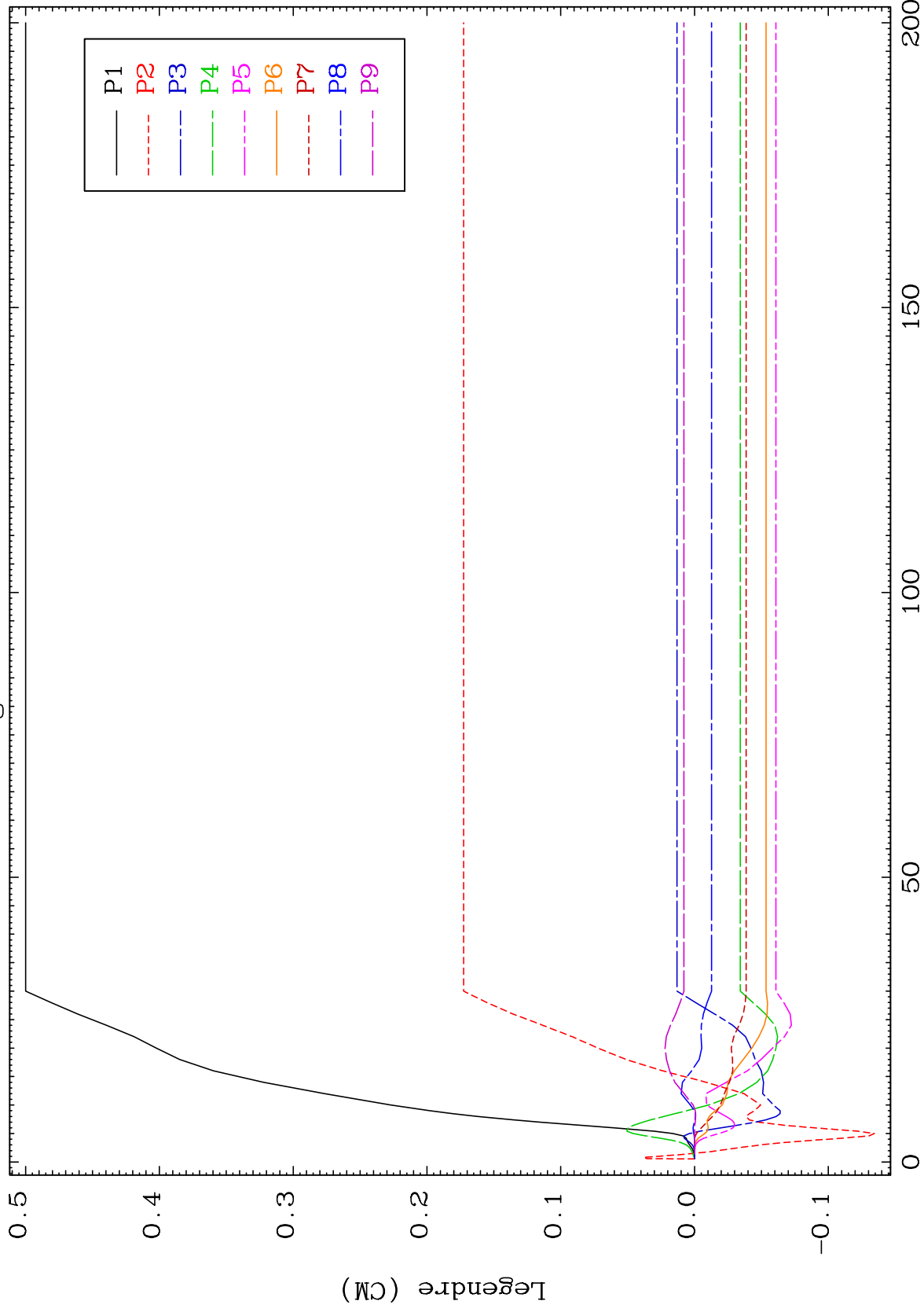
71-Lu-161



MAT 7083

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

71-Lu-161



71-Lu-161

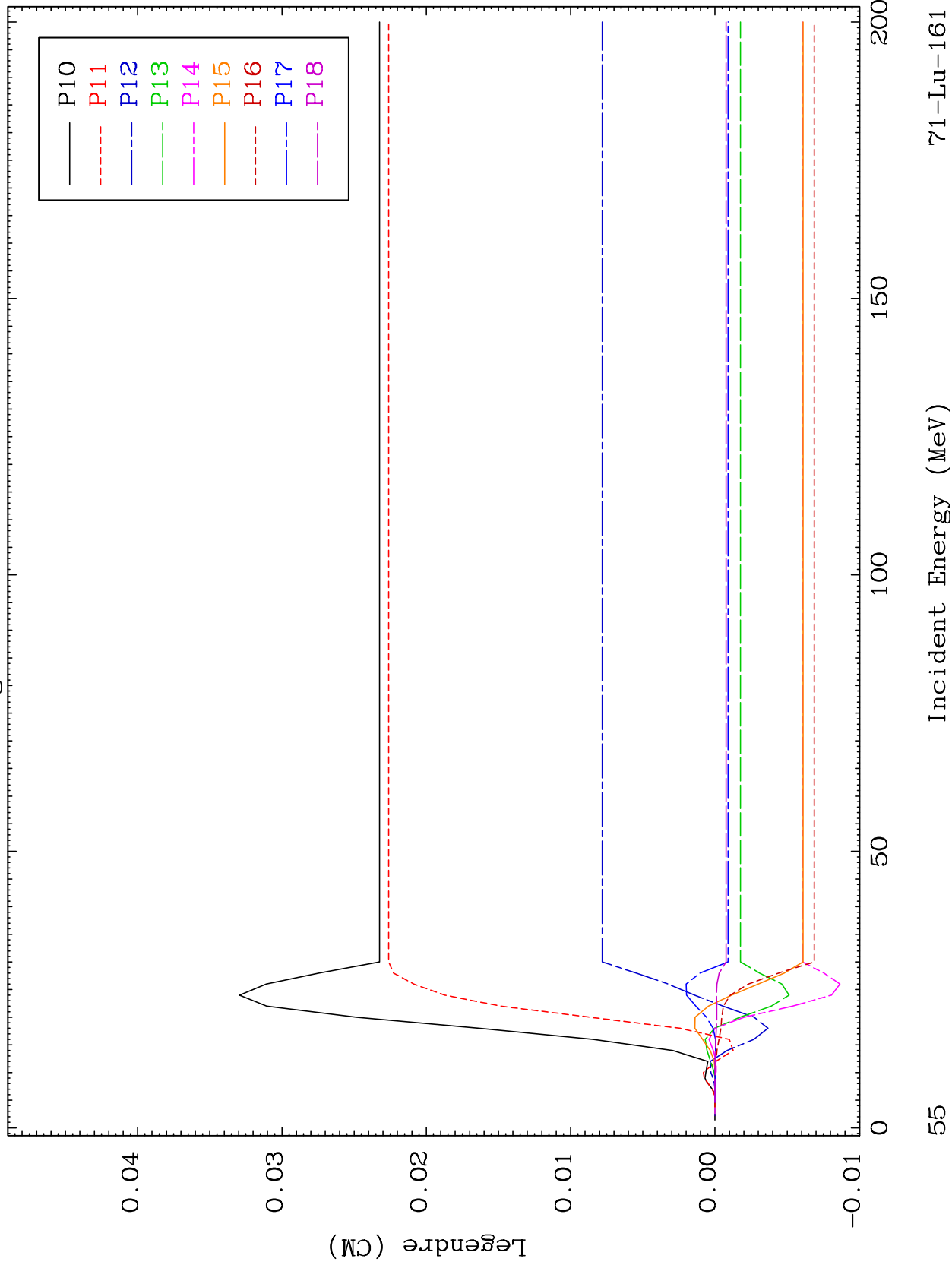
Incident Energy (MeV)

54

MAT 7083

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

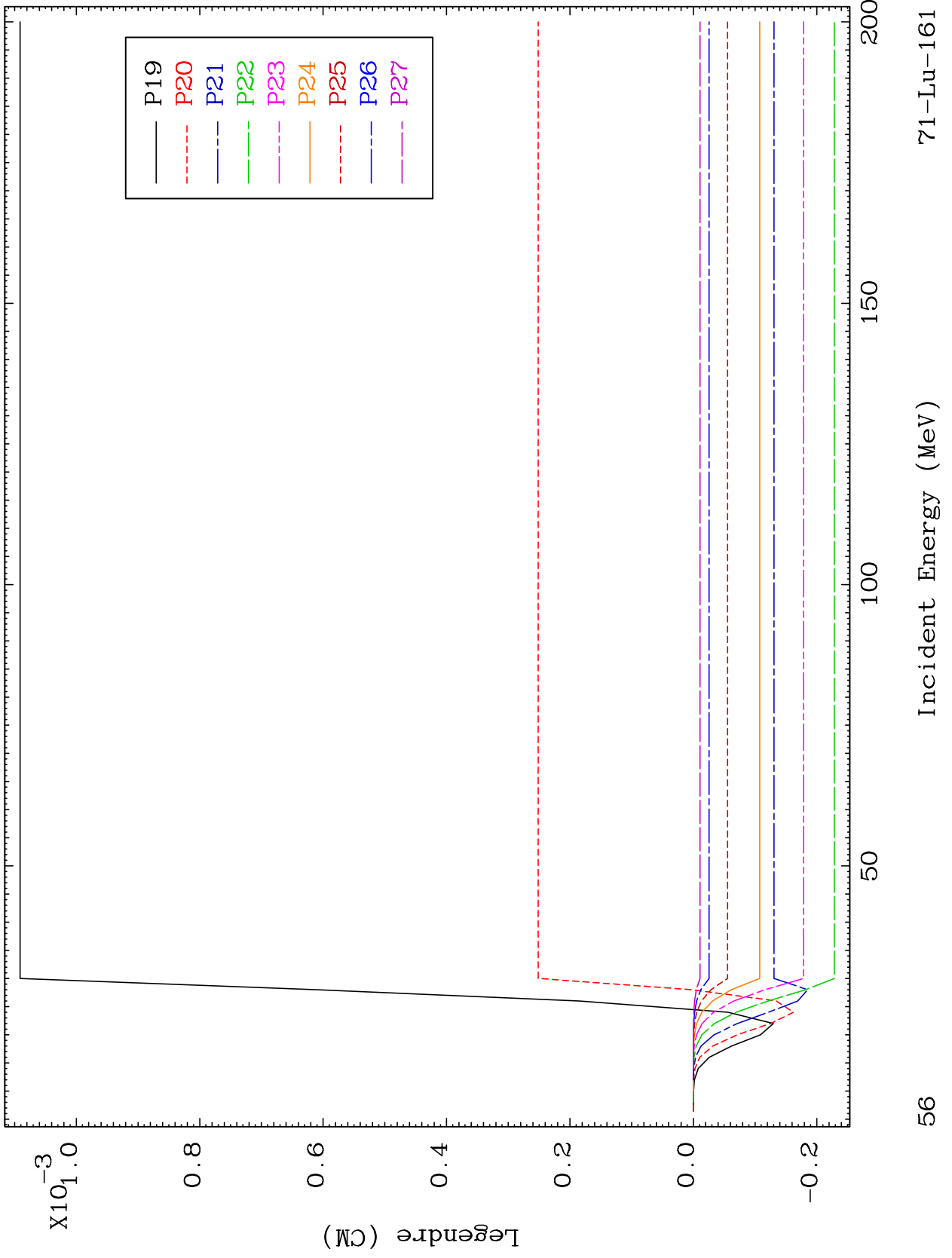
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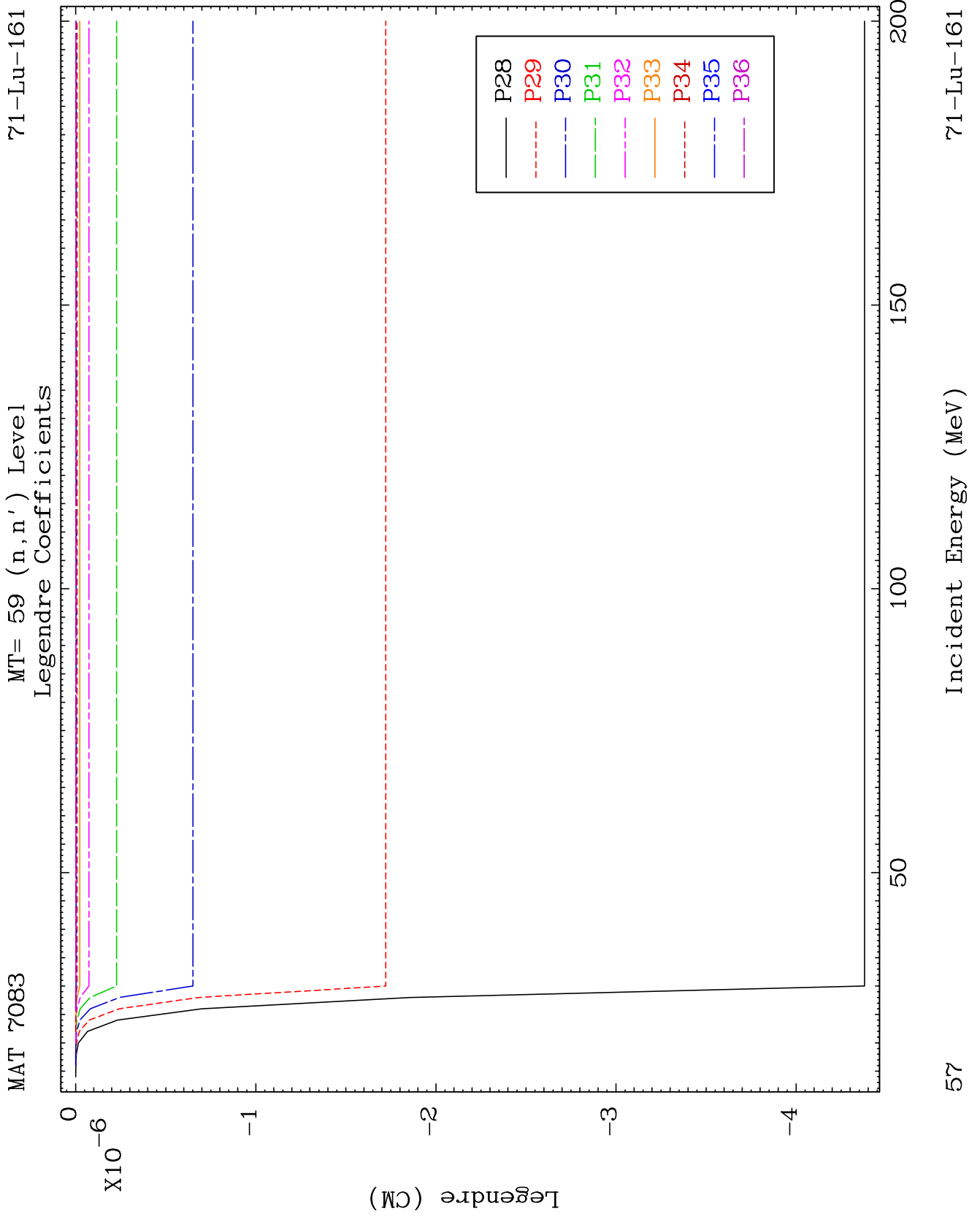


71-Lu-161

Incident Energy (MeV)

55

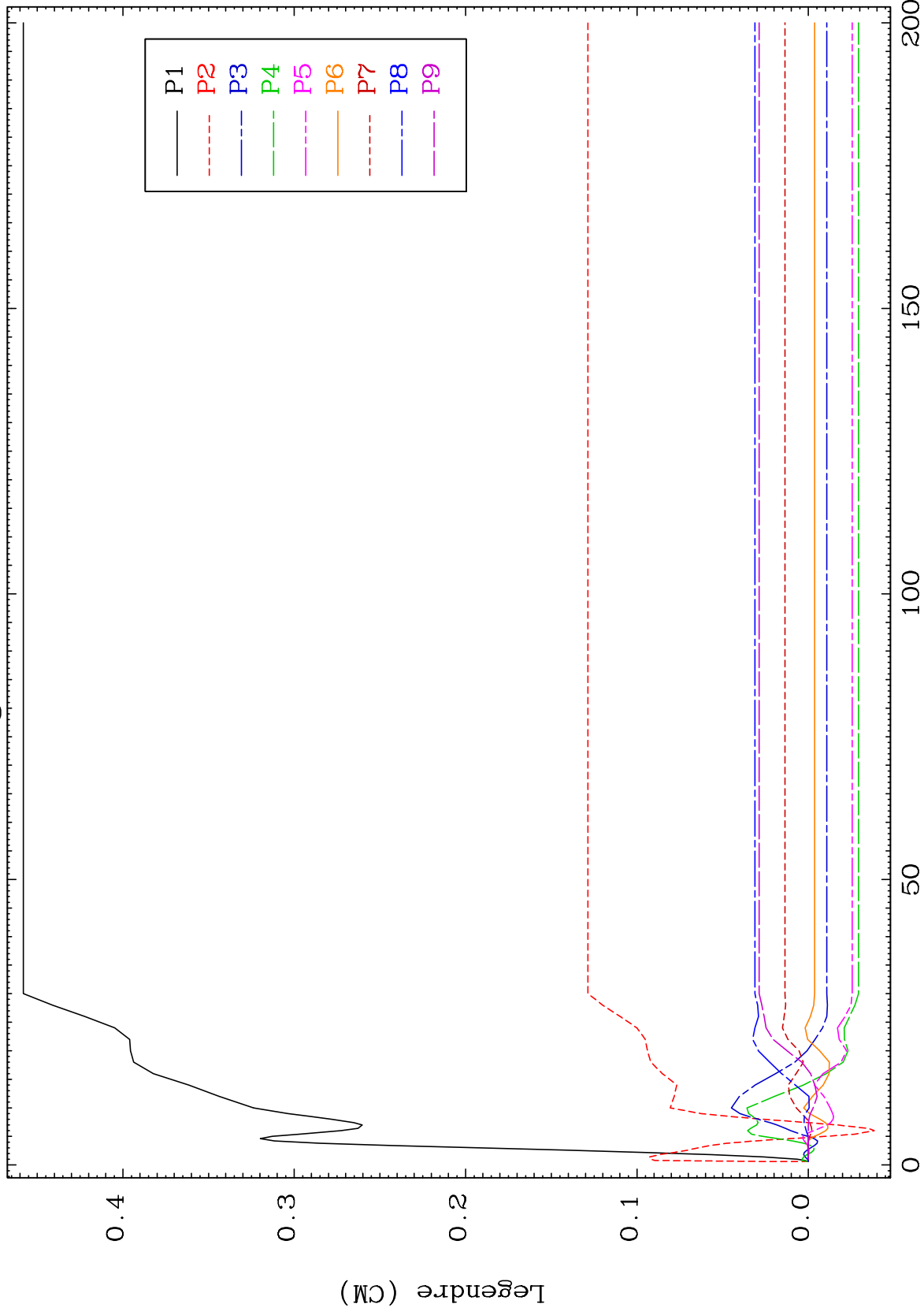




MAT 7083

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

71-Lu-161



58

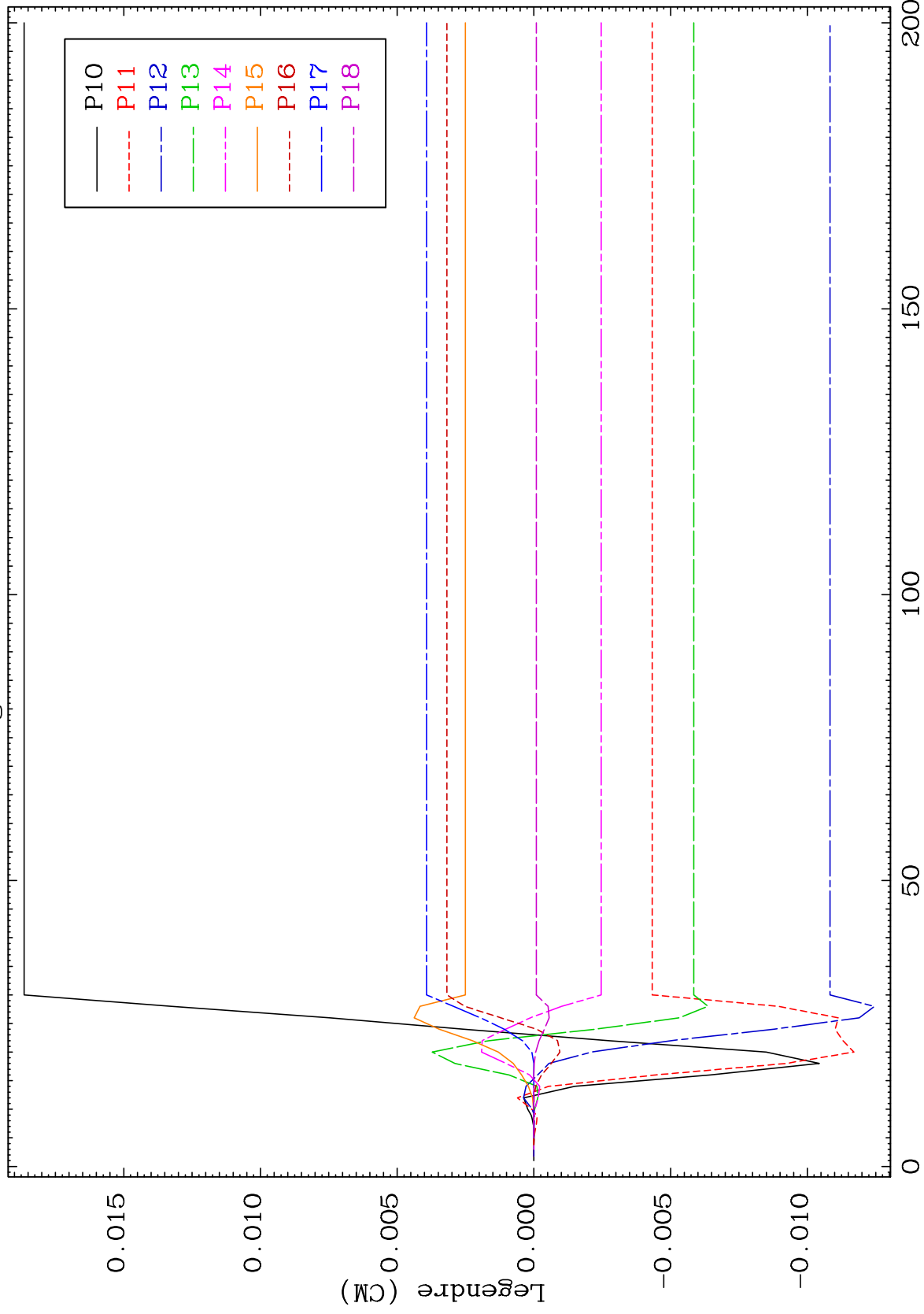
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

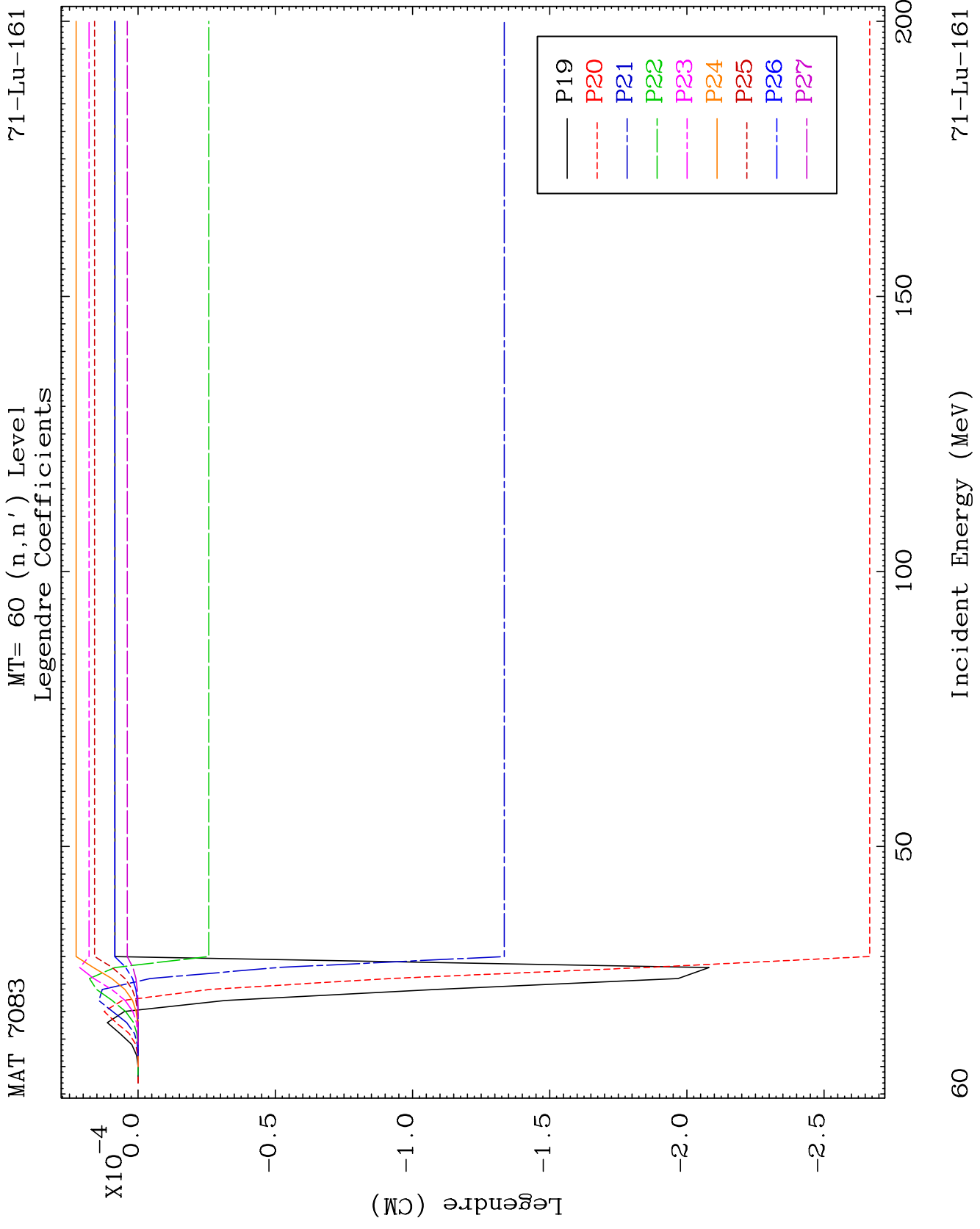
71-Lu-161



59

Incident Energy (MeV)

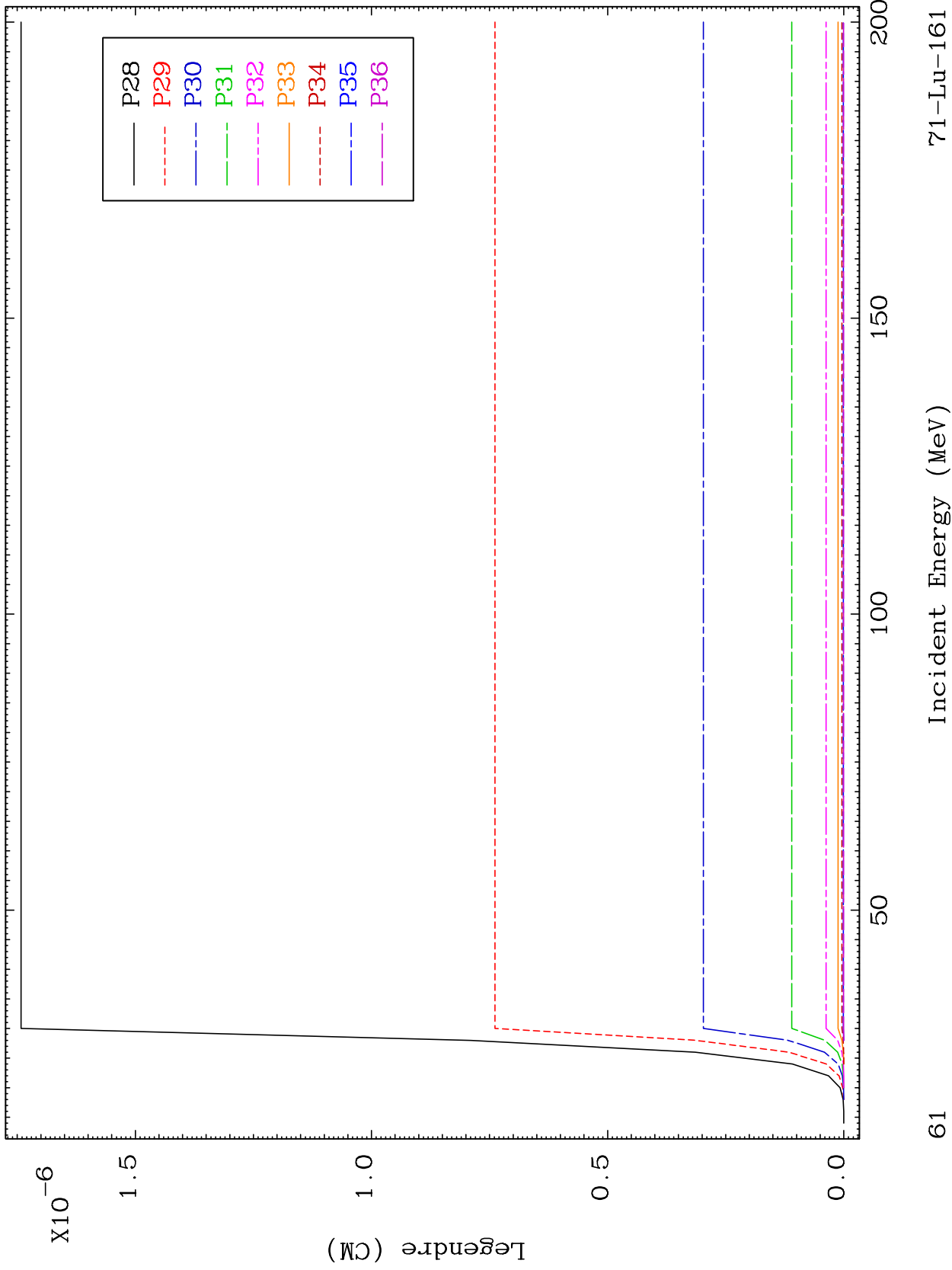
71-Lu-161



MAT 7083

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

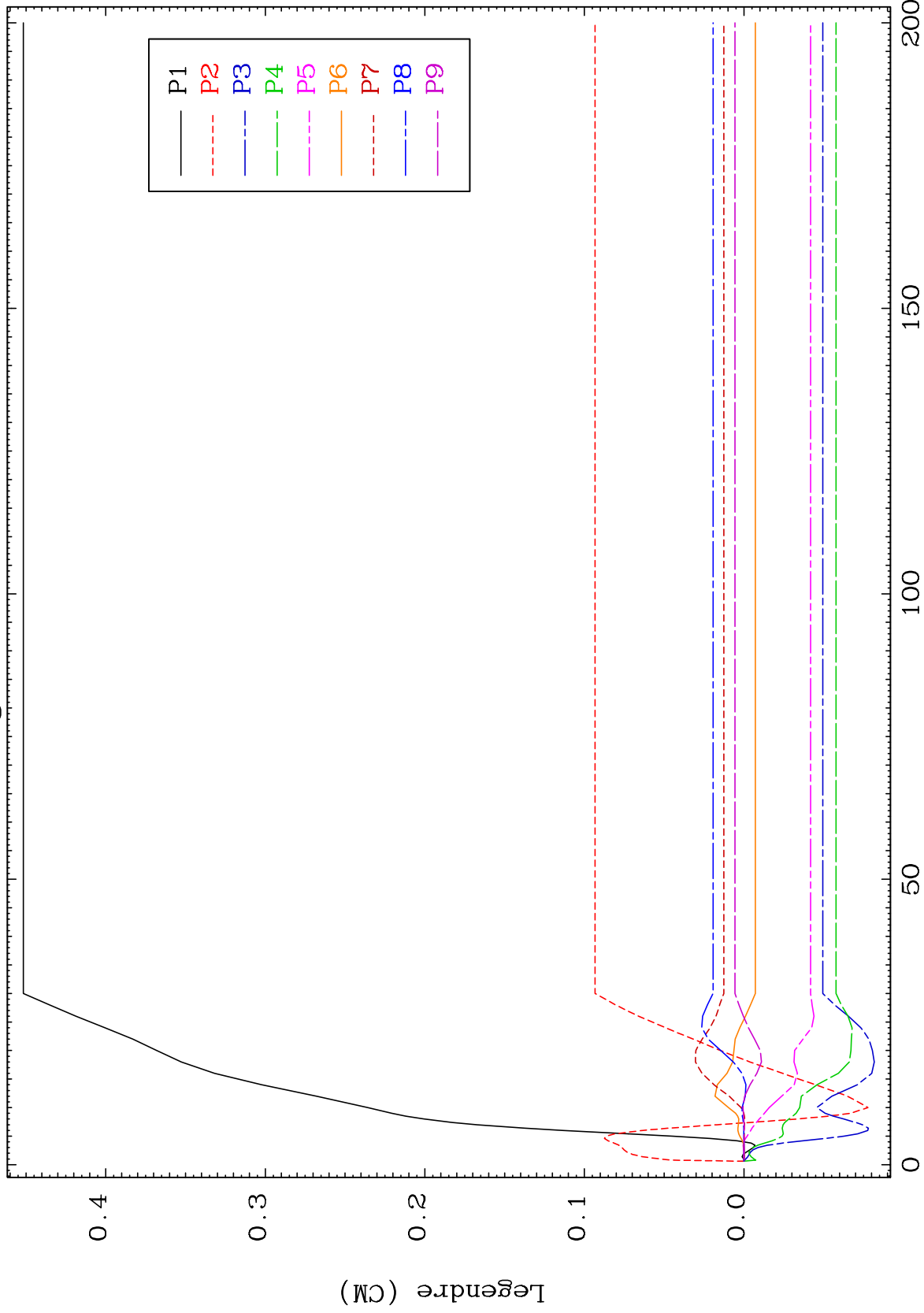
71-Lu-161



MAT 7083

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

71-Lu-161



62

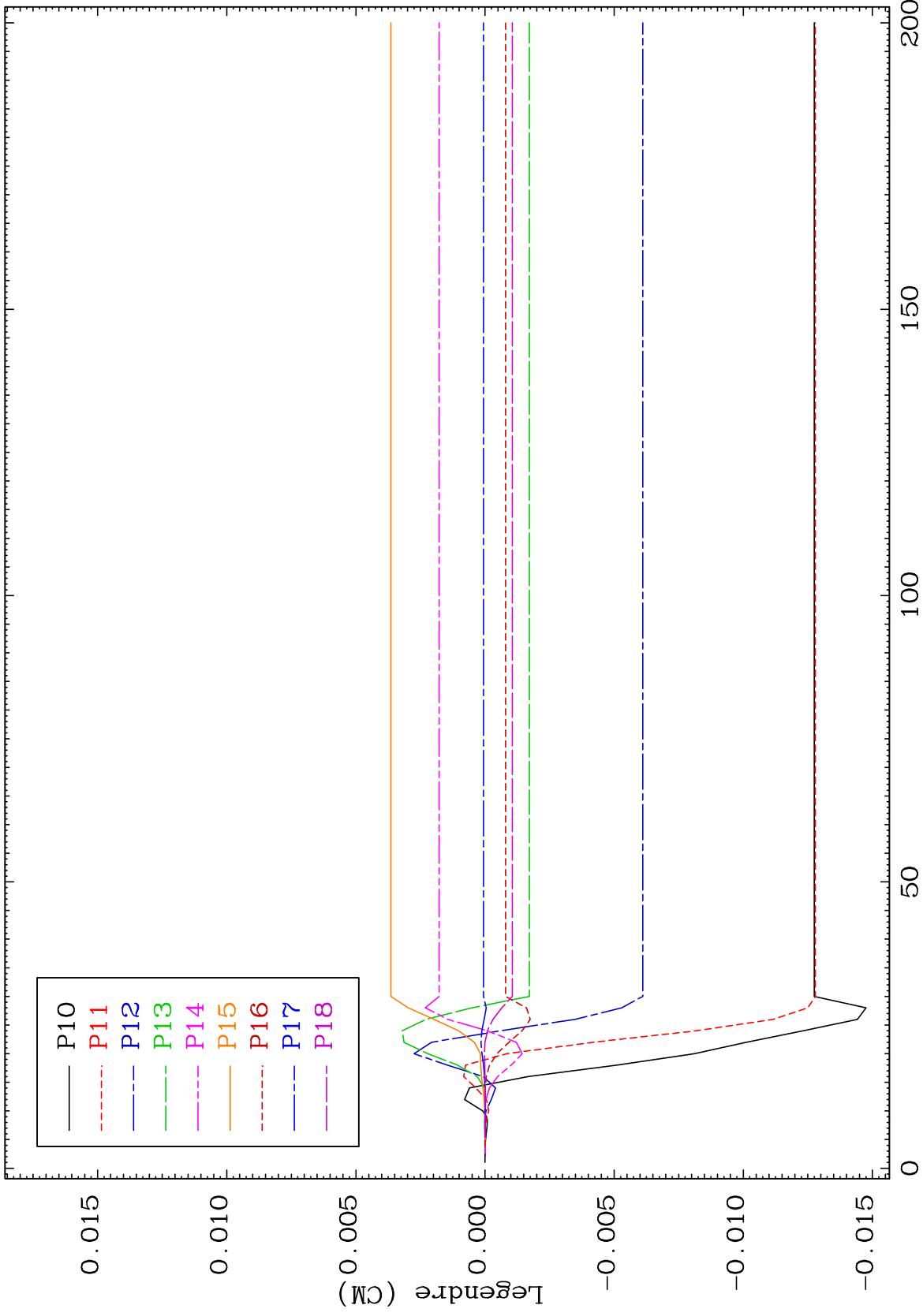
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



63

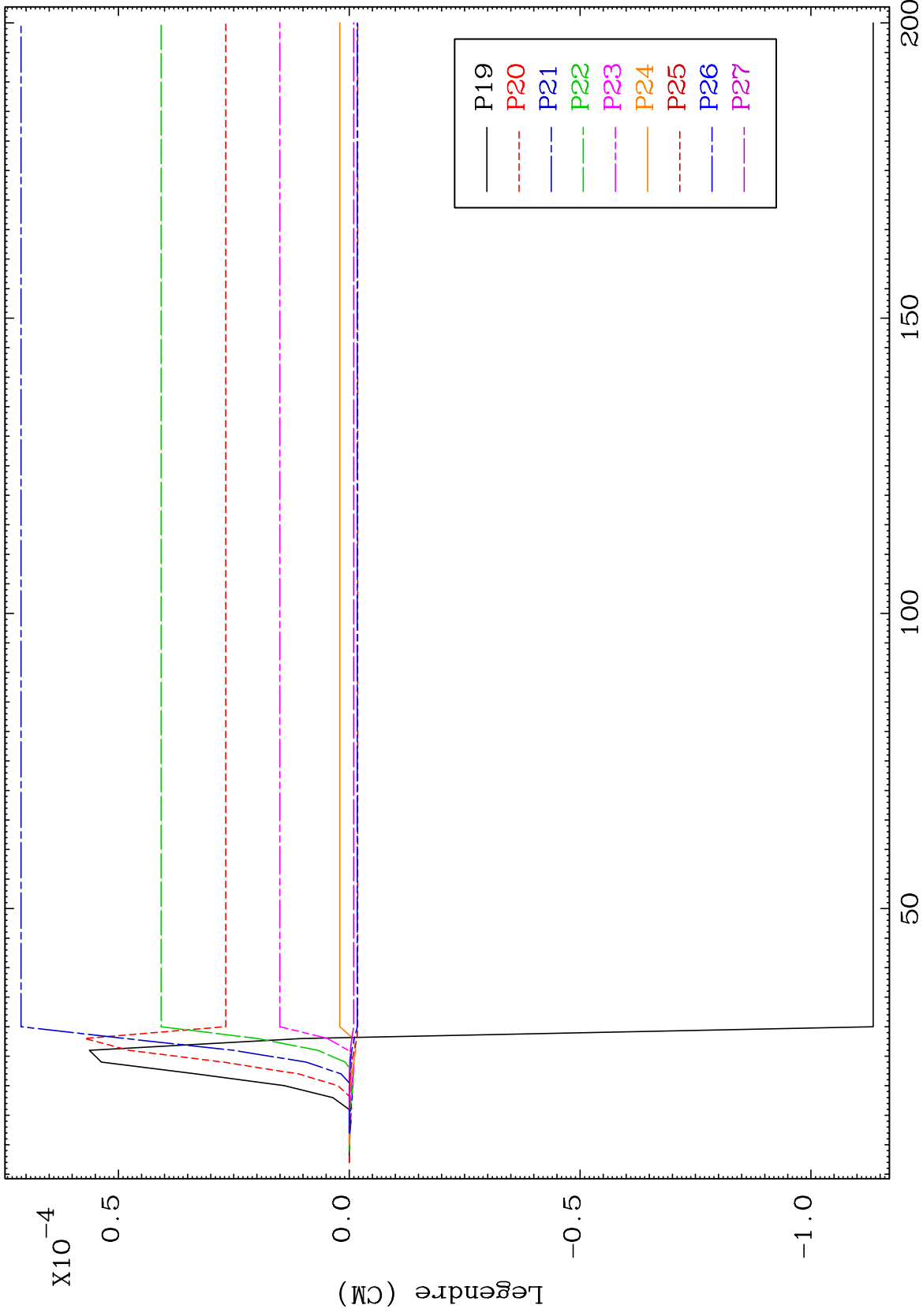
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



64

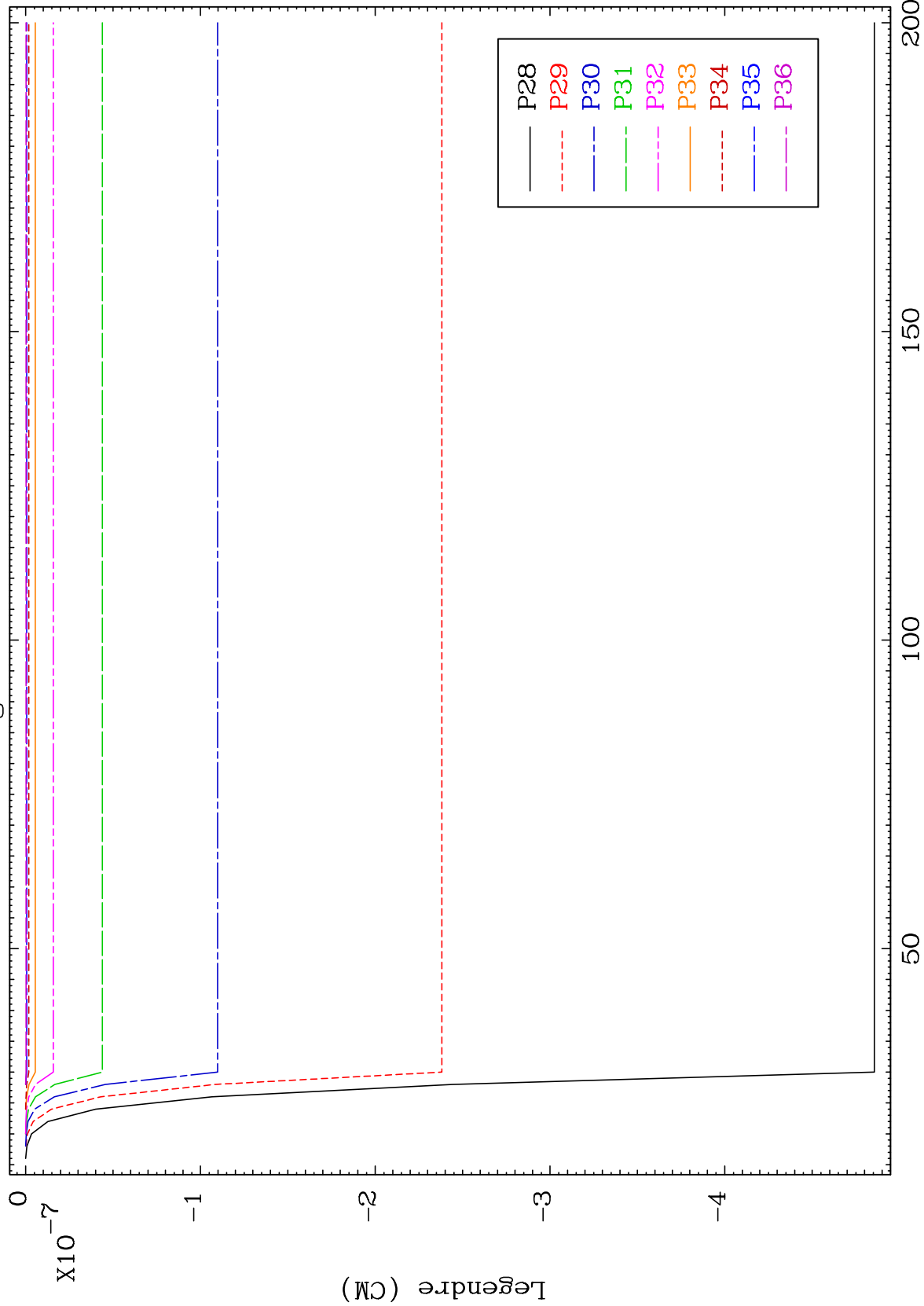
Incident Energy (MeV)

71-Lu-161

MAT 7083

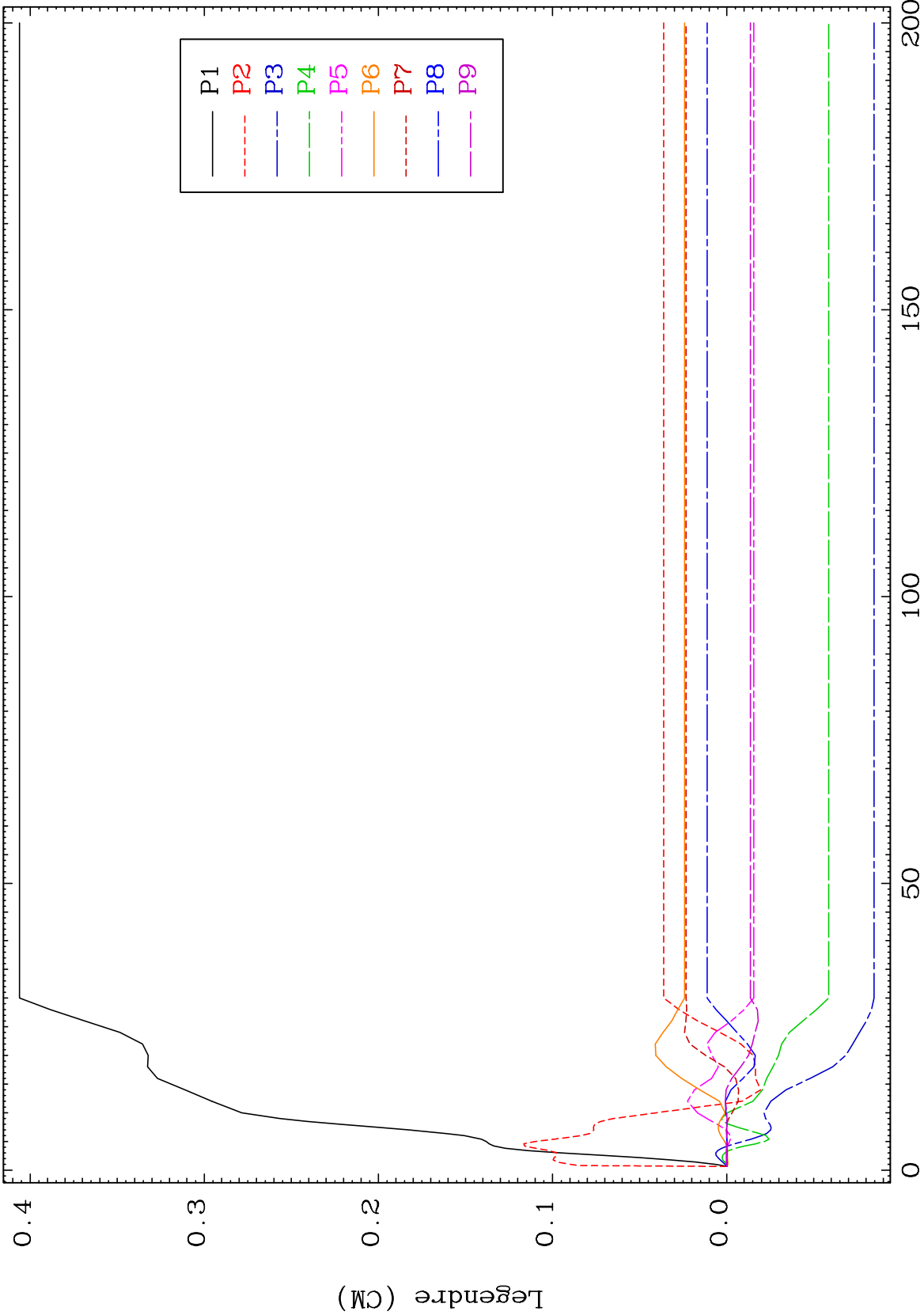
MT= 61 (n,n') Level
Legendre Coefficients

71-Lu-161



65

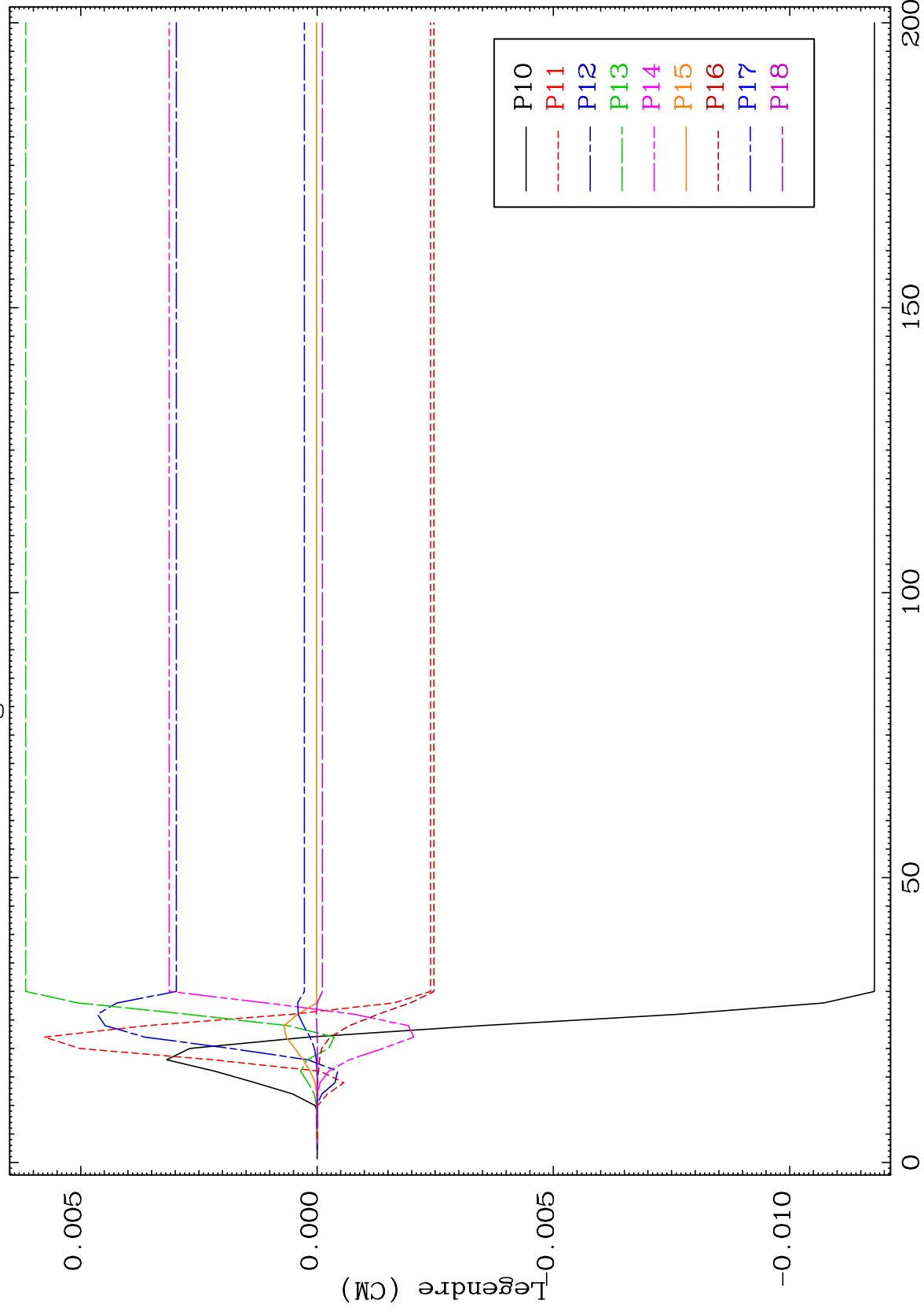
71-Lu-161



MAT 7083

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

71-Lu-161



67

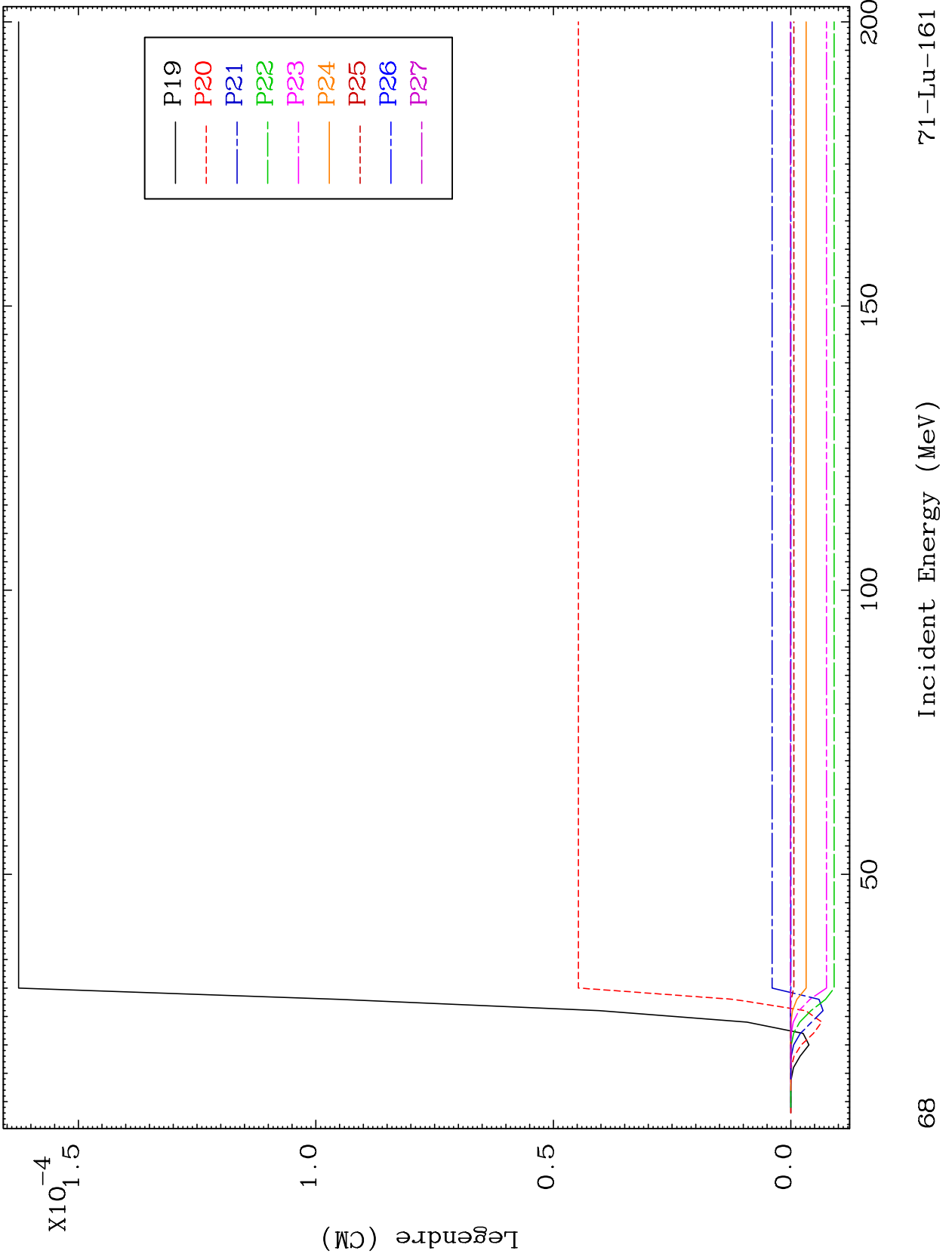
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



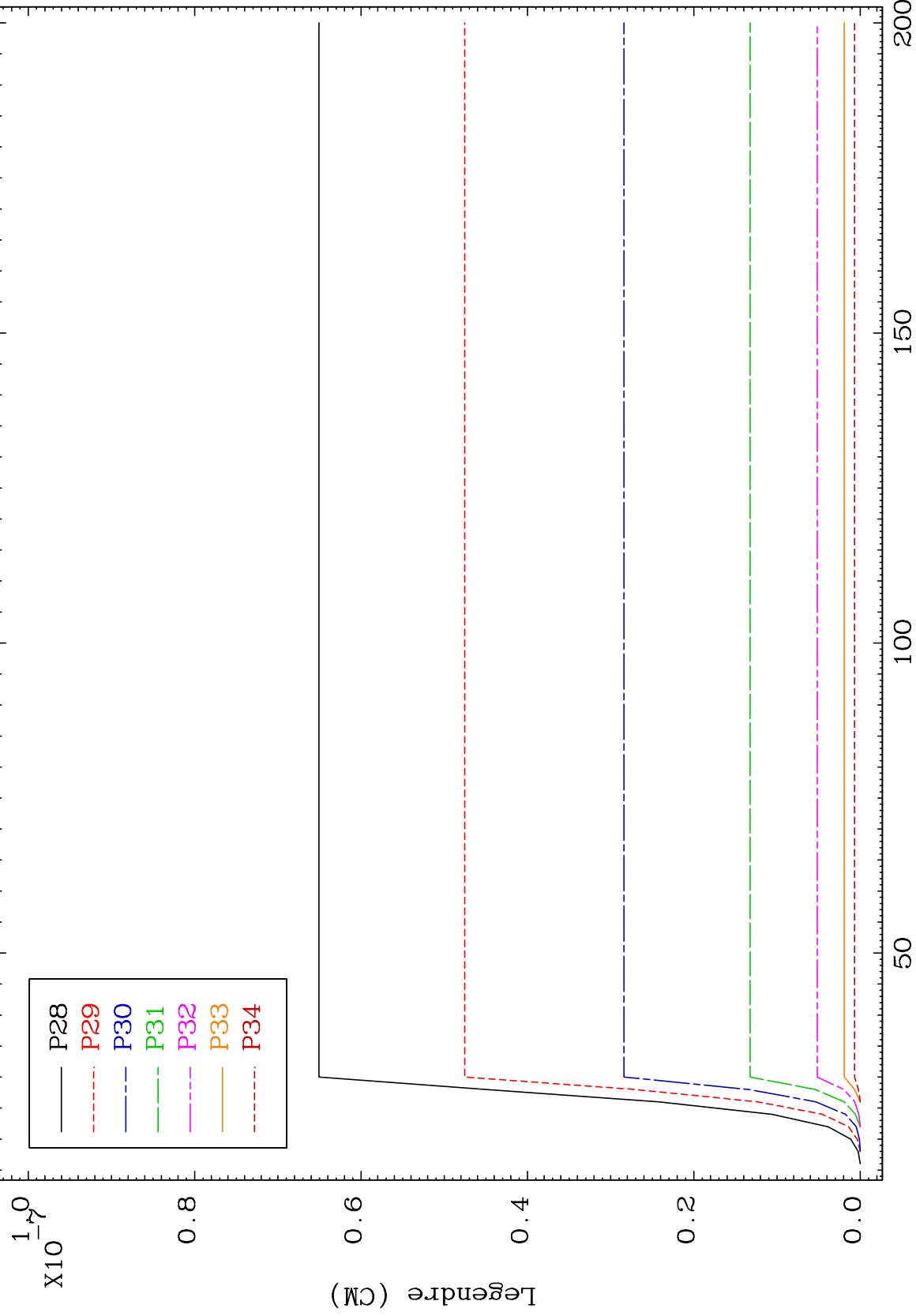
68

71-Lu-161

MAT 7083

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

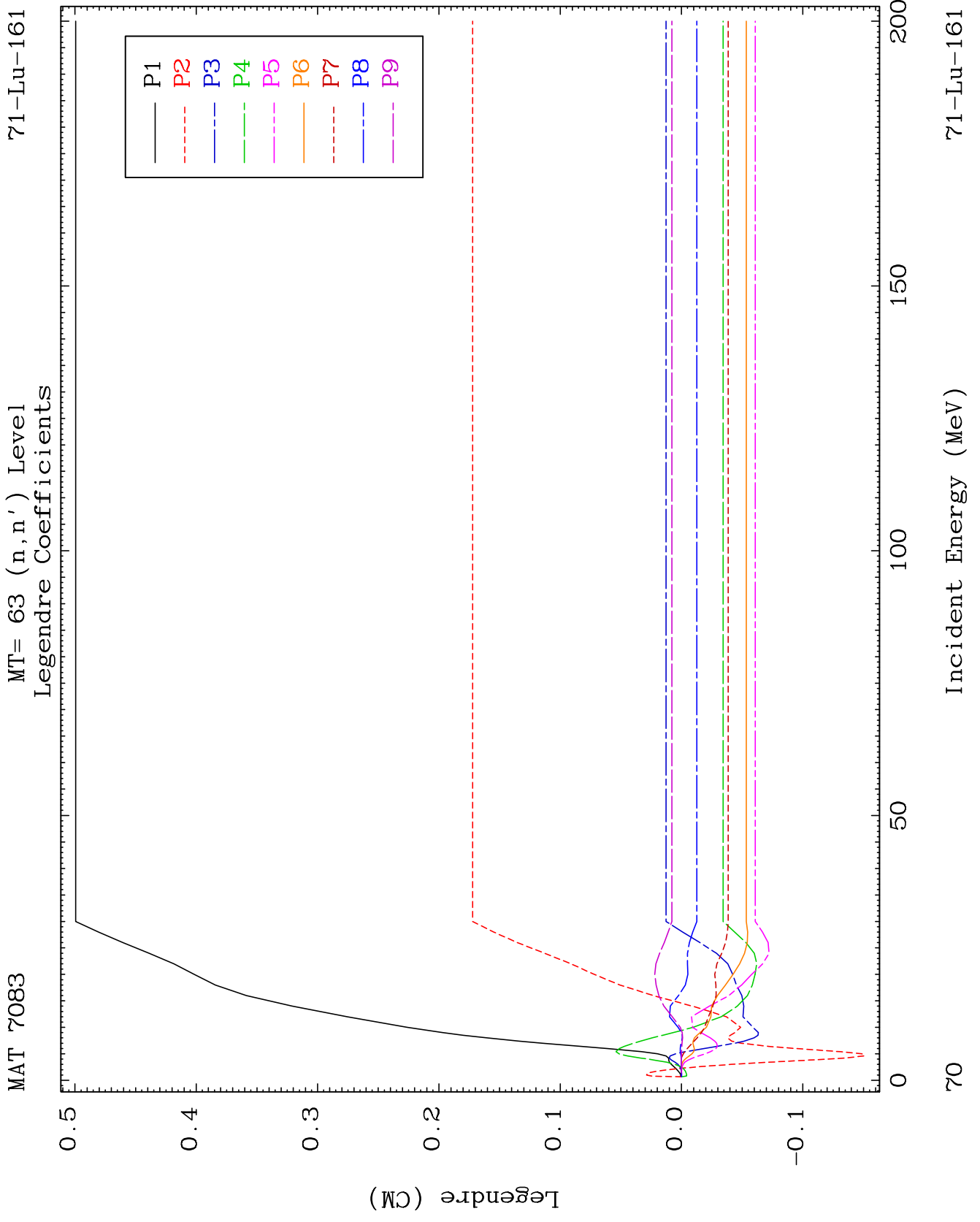
71-Lu-161



69

Incident Energy (MeV)

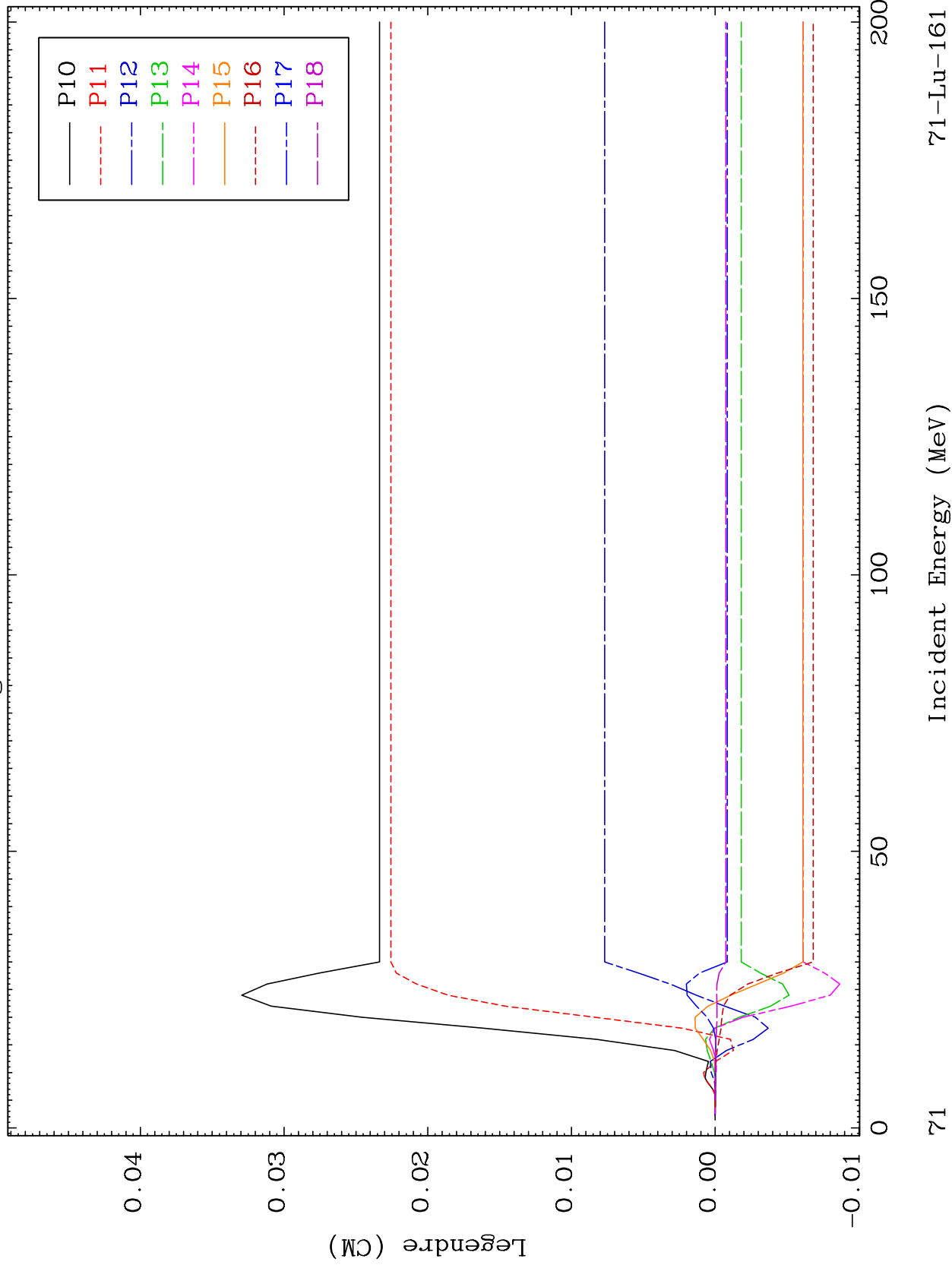
71-Lu-161



MAT 7083

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

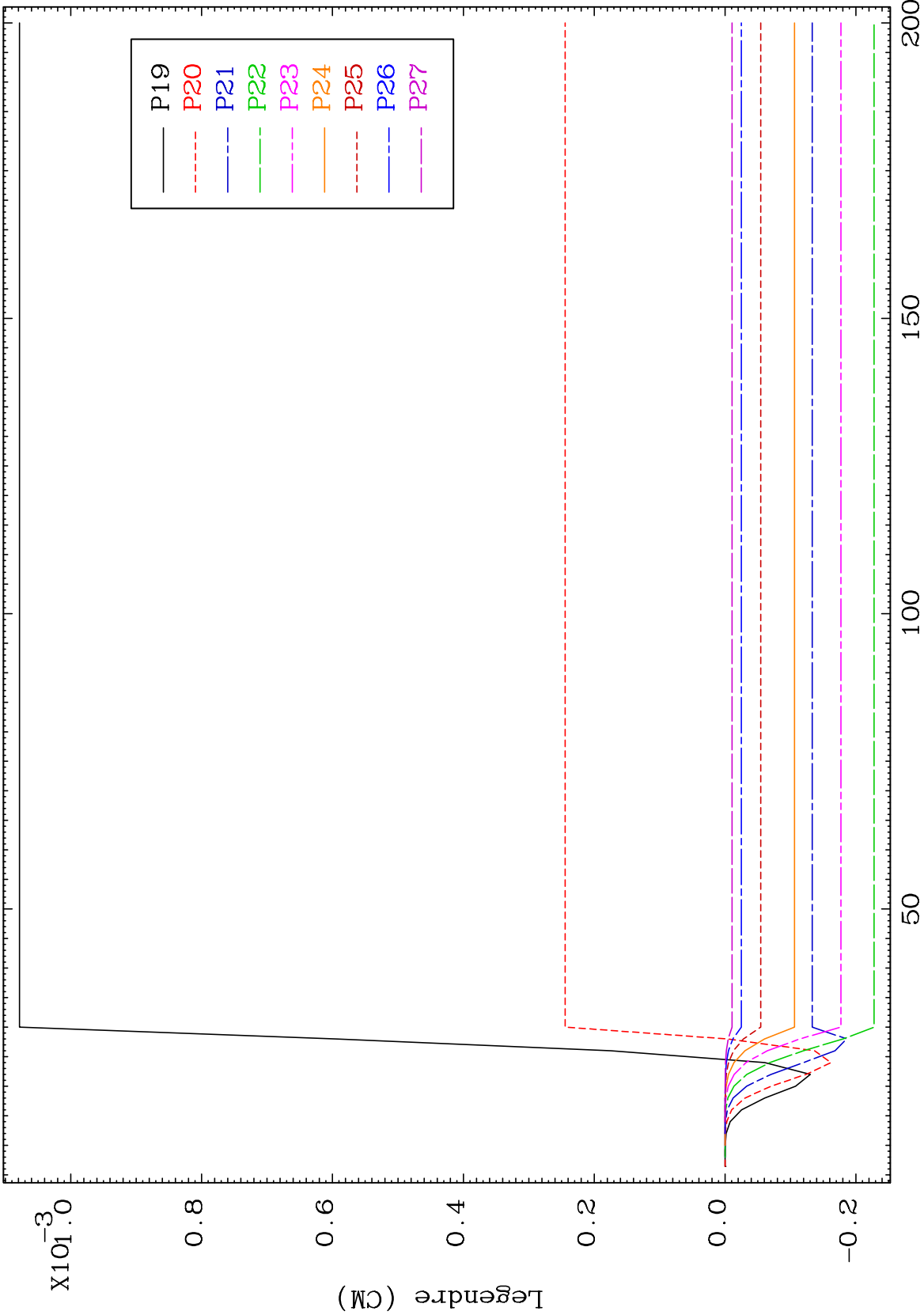
71-Lu-161



MAT 7083

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

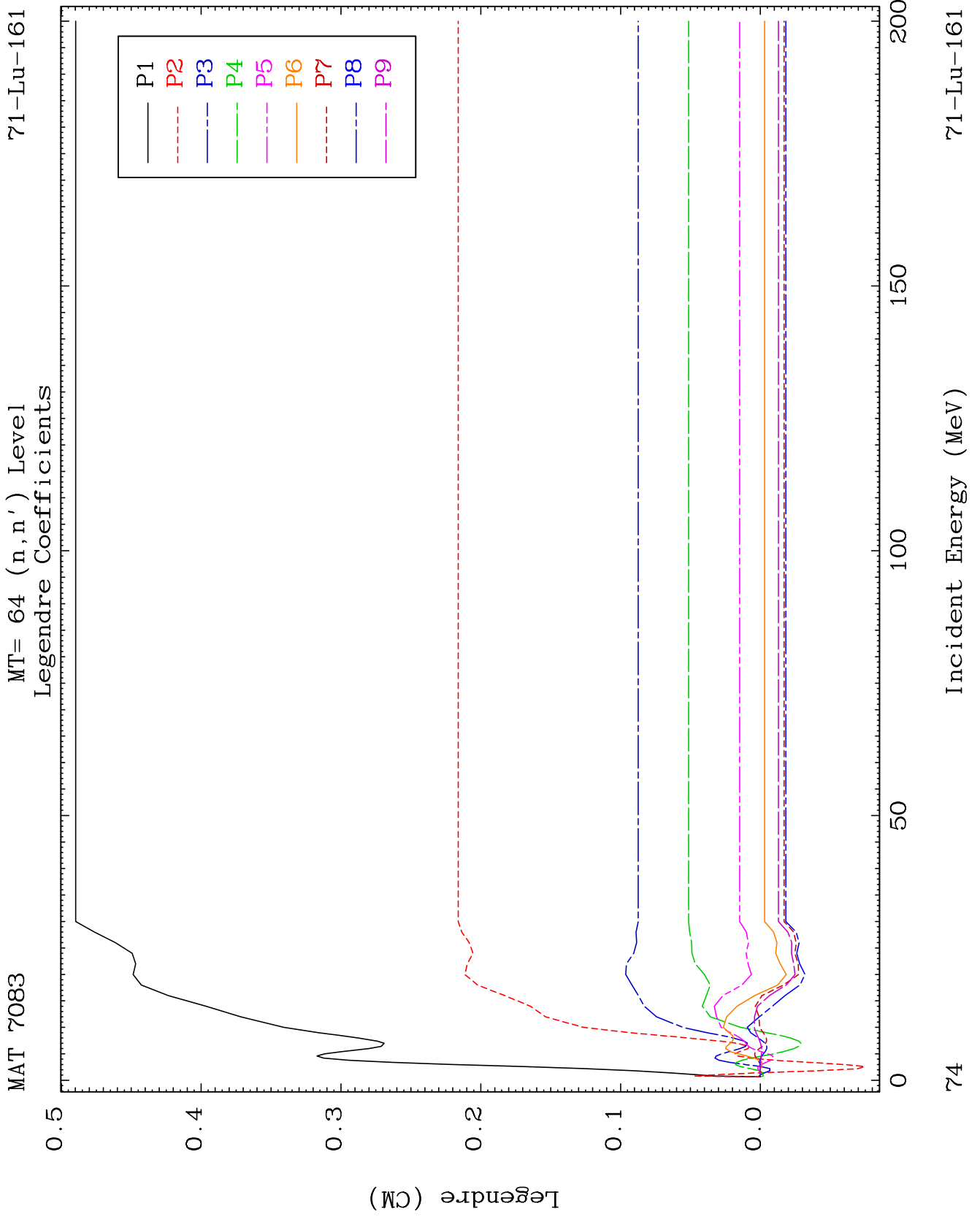
71-Lu-161

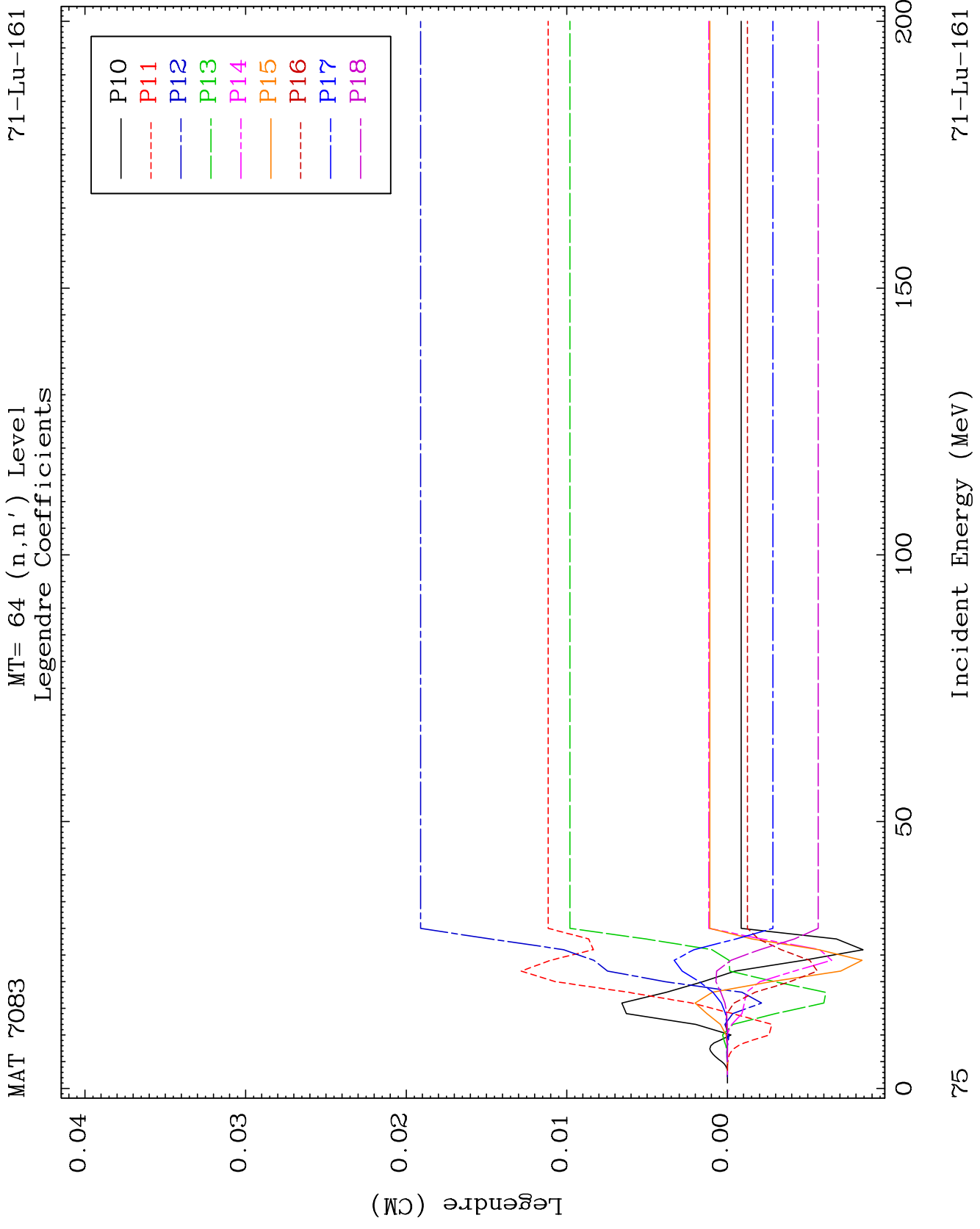


72

Incident Energy (MeV)

71-Lu-161

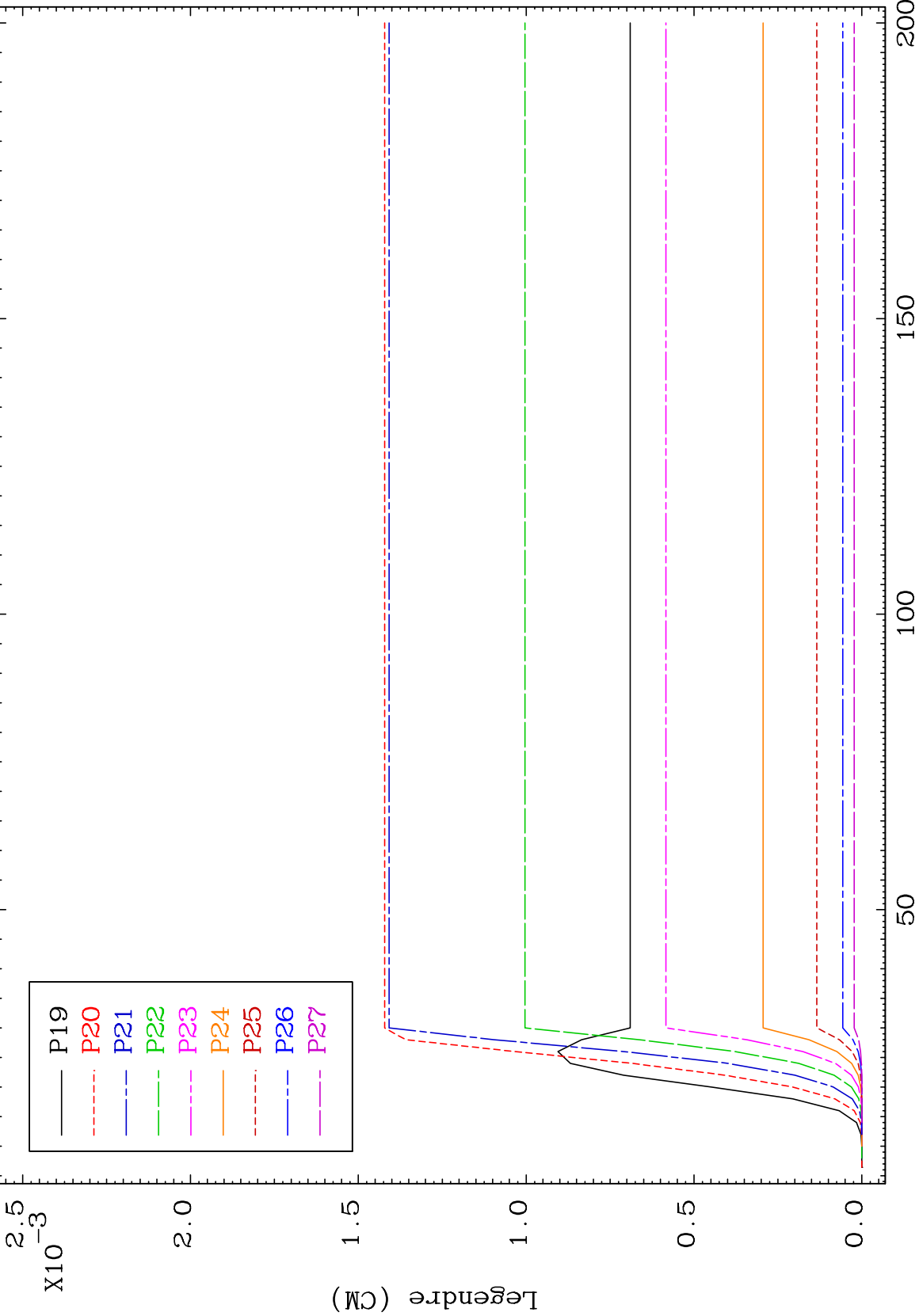




MAT 7083

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

71-Lu-161



76

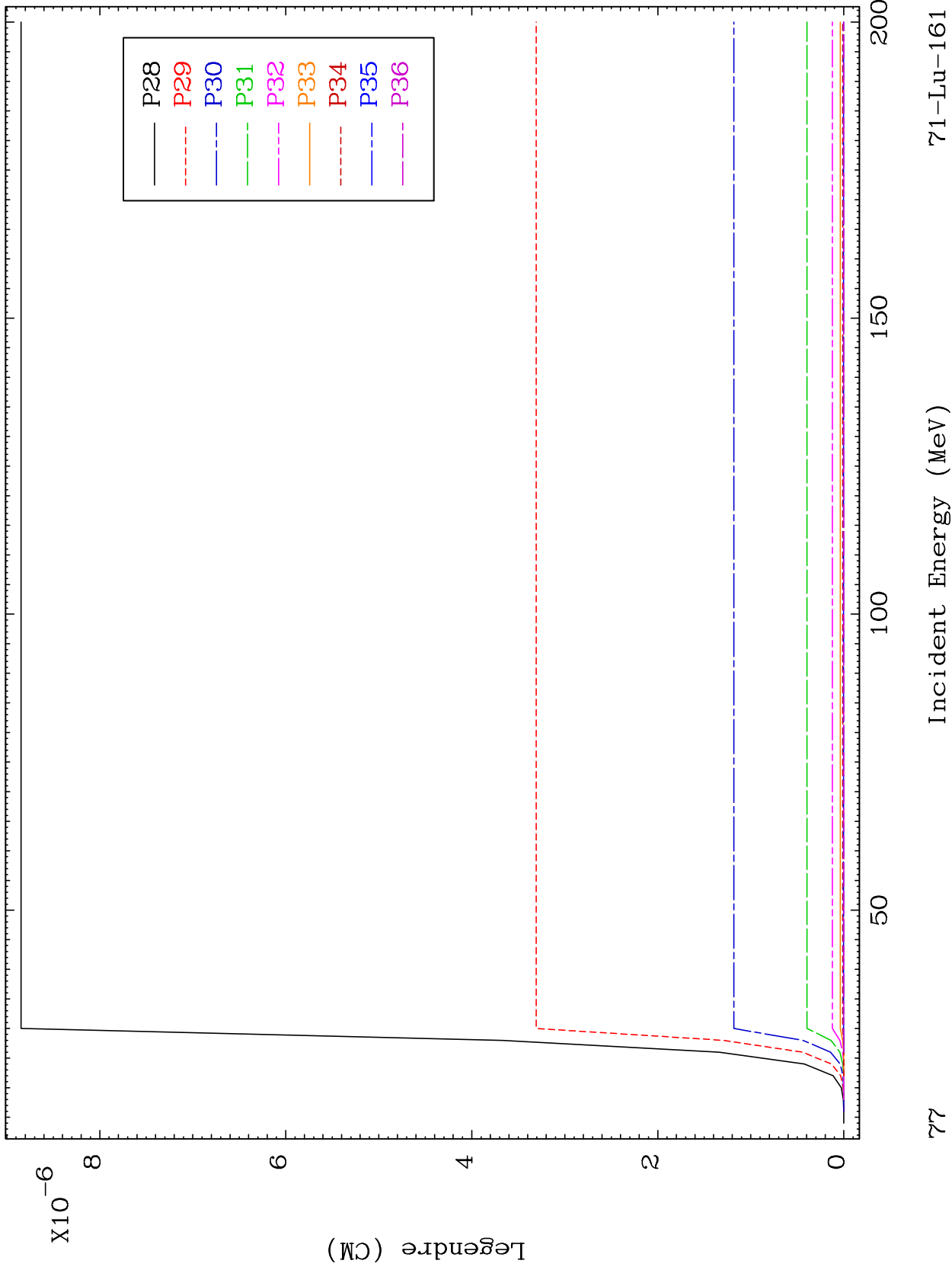
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161

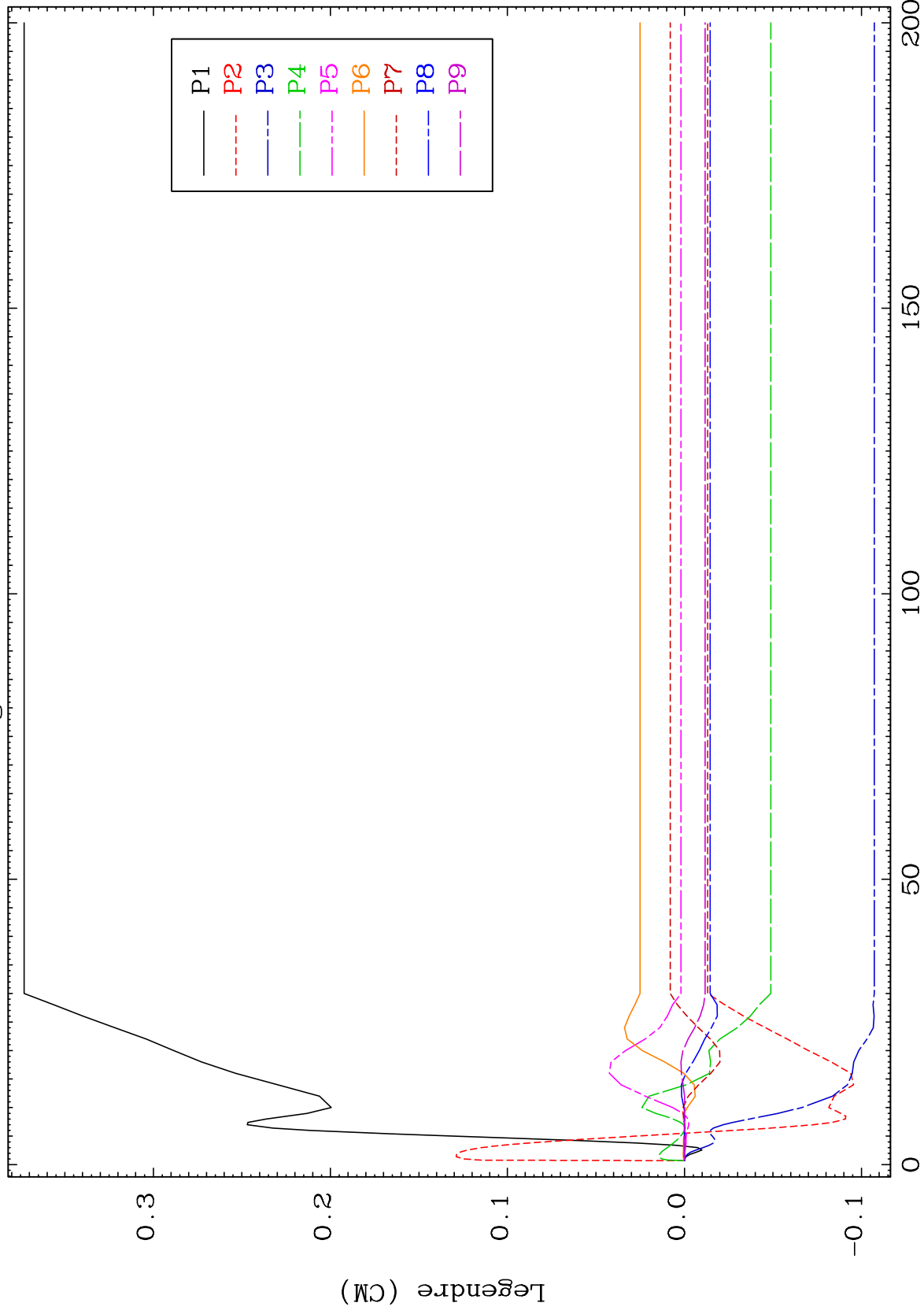


77

MAT 7083

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

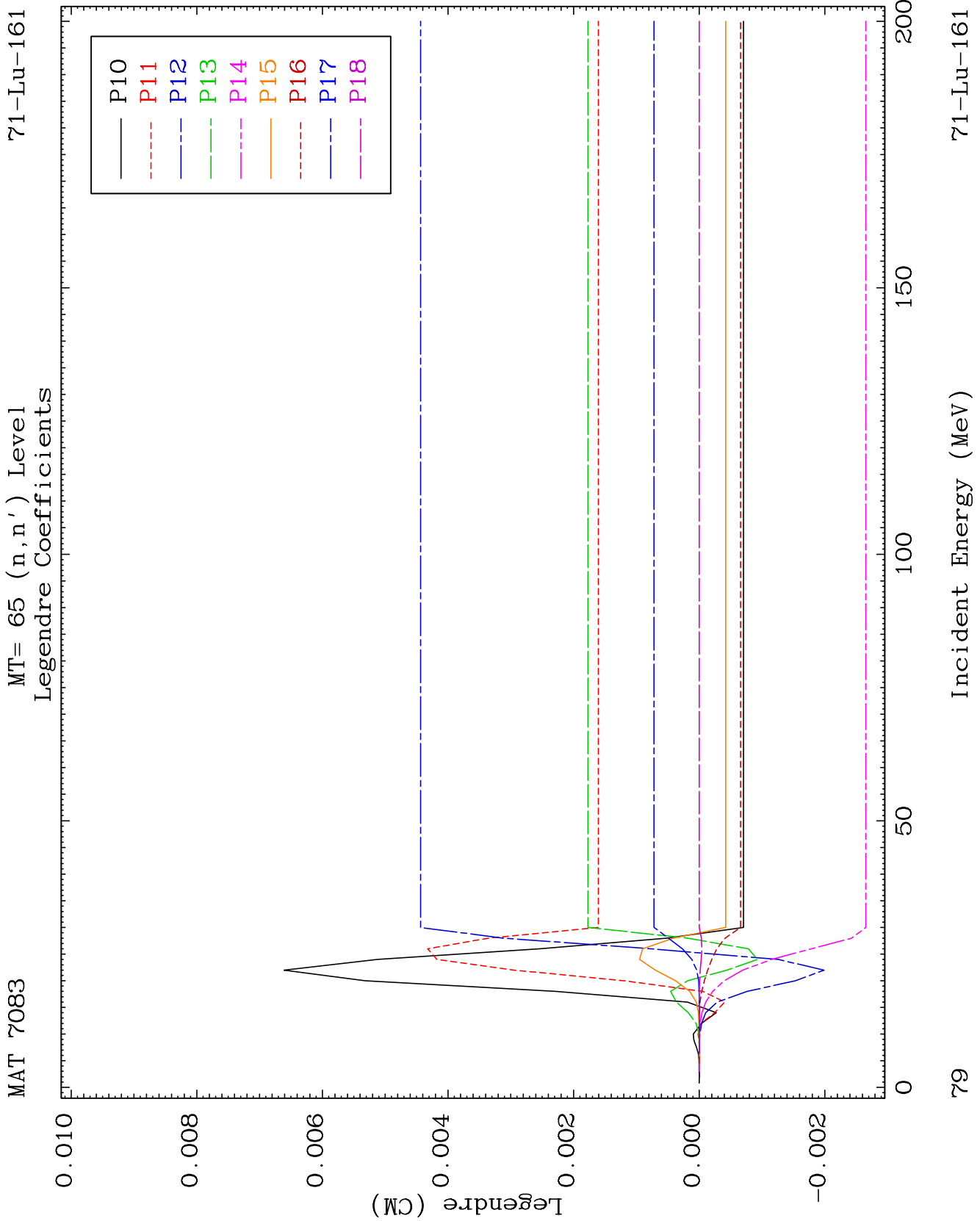
71-Lu-161



78

Incident Energy (MeV)

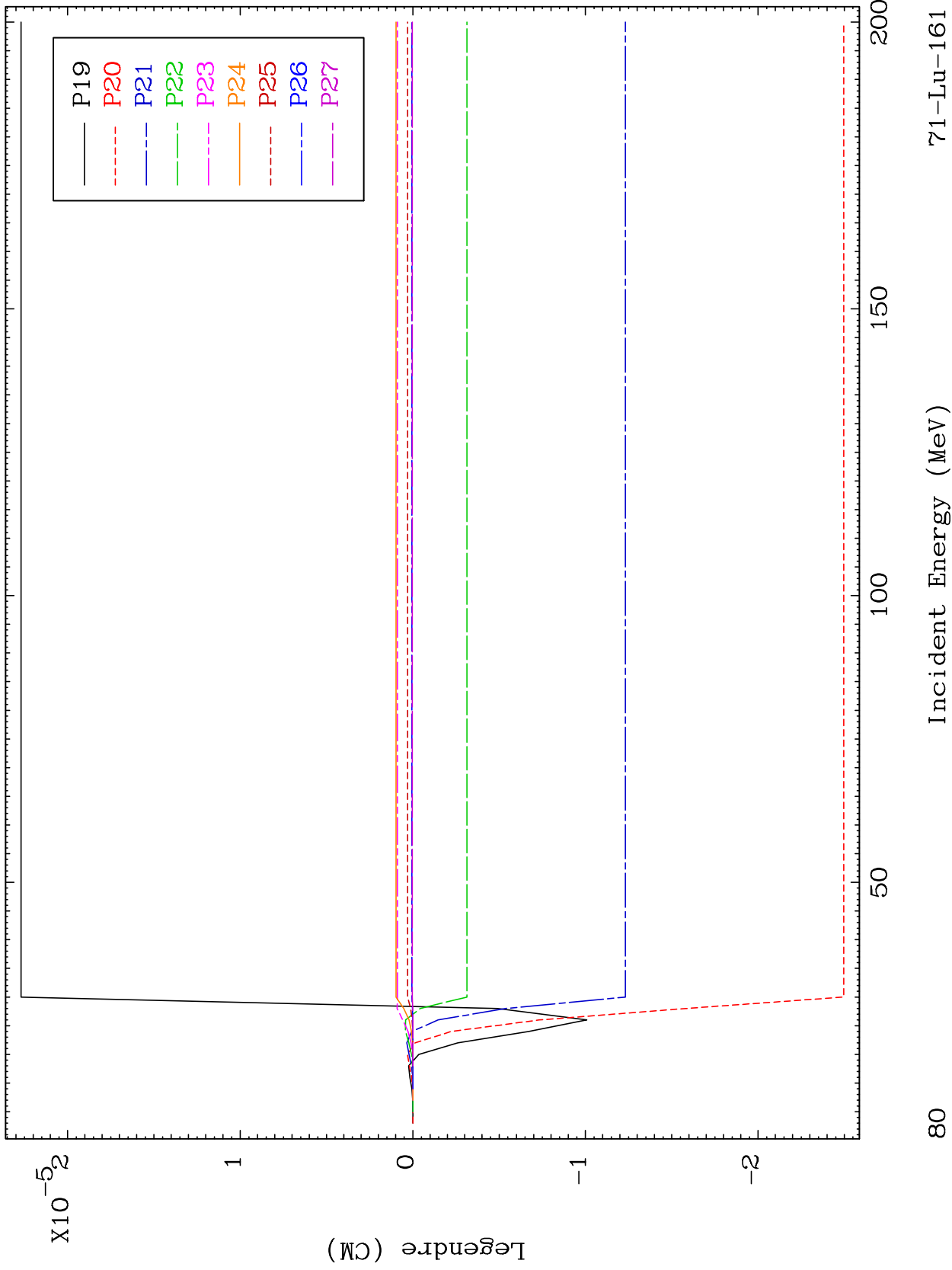
71-Lu-161



MAT 7083

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

71-Lu-161



80

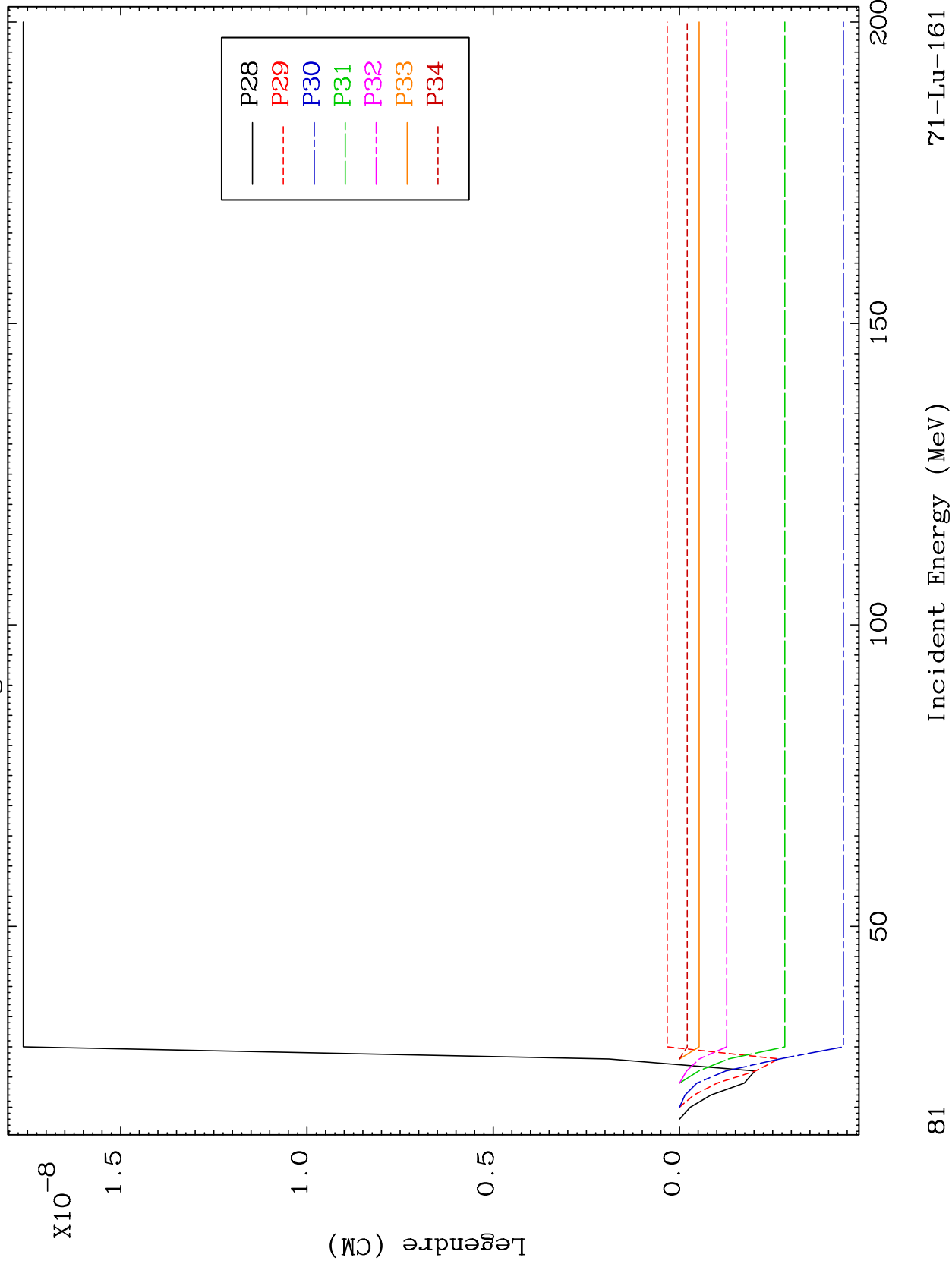
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



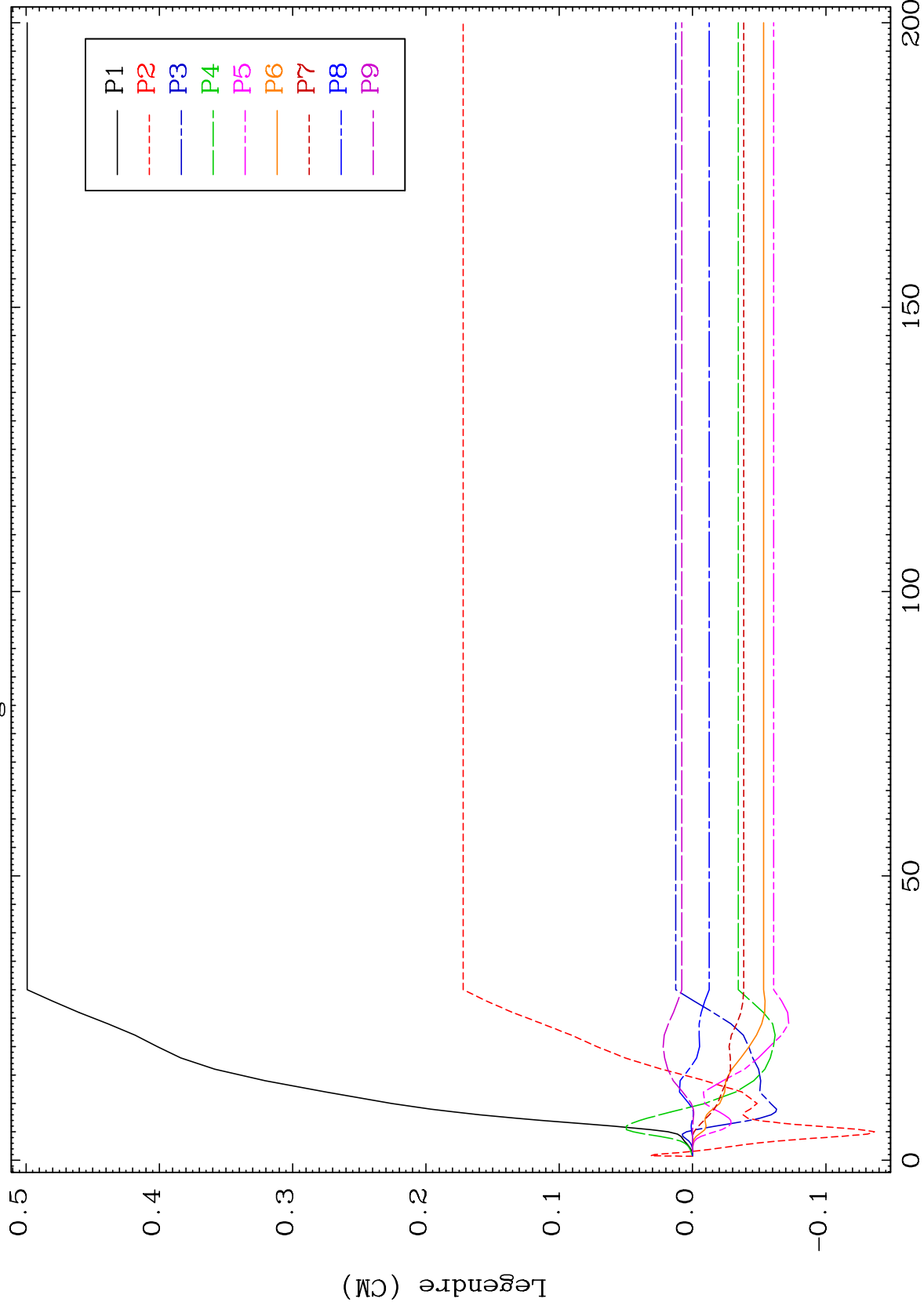
81

71-Lu-161

MAT 7083

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

71-Lu-161



82

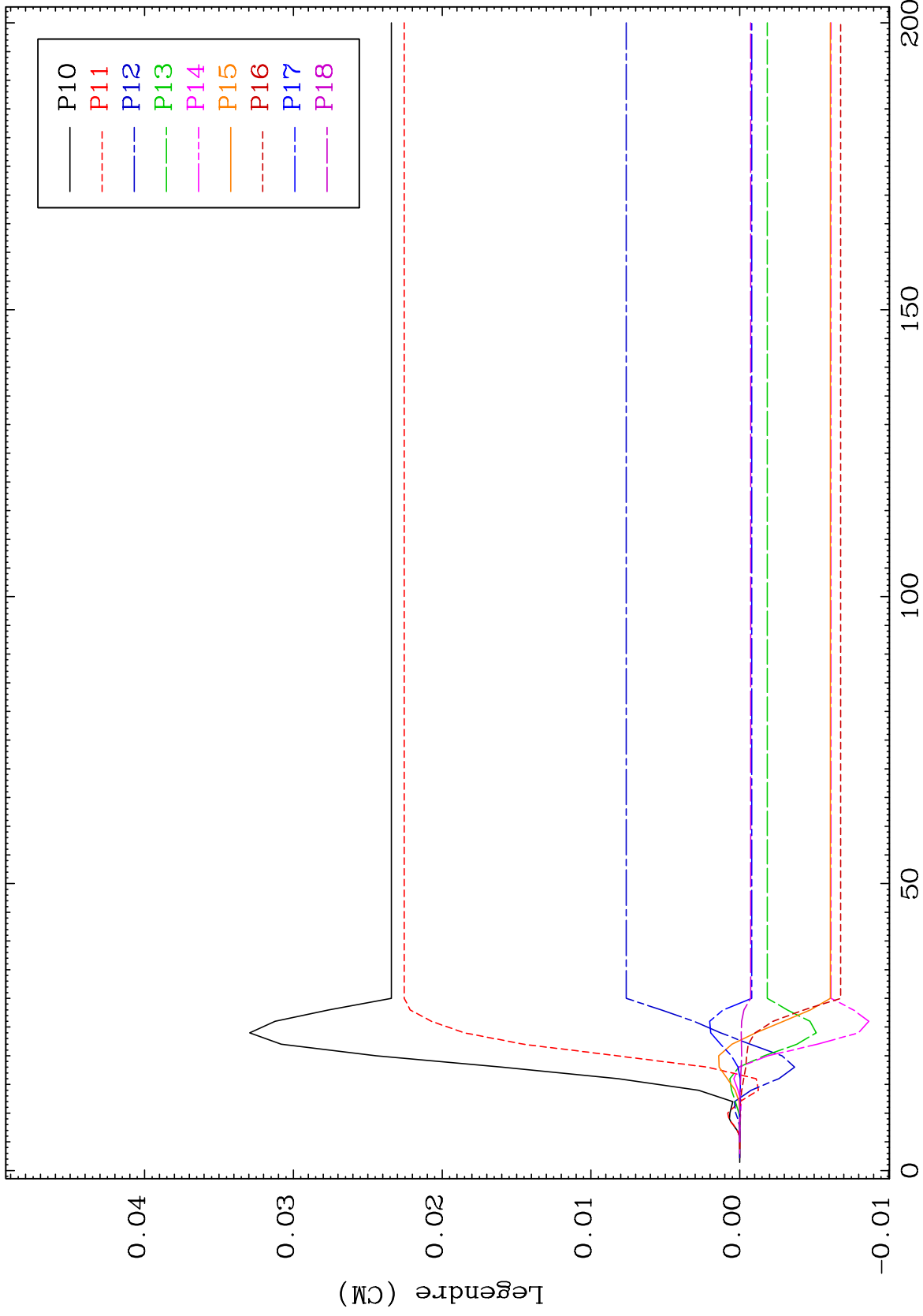
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



83

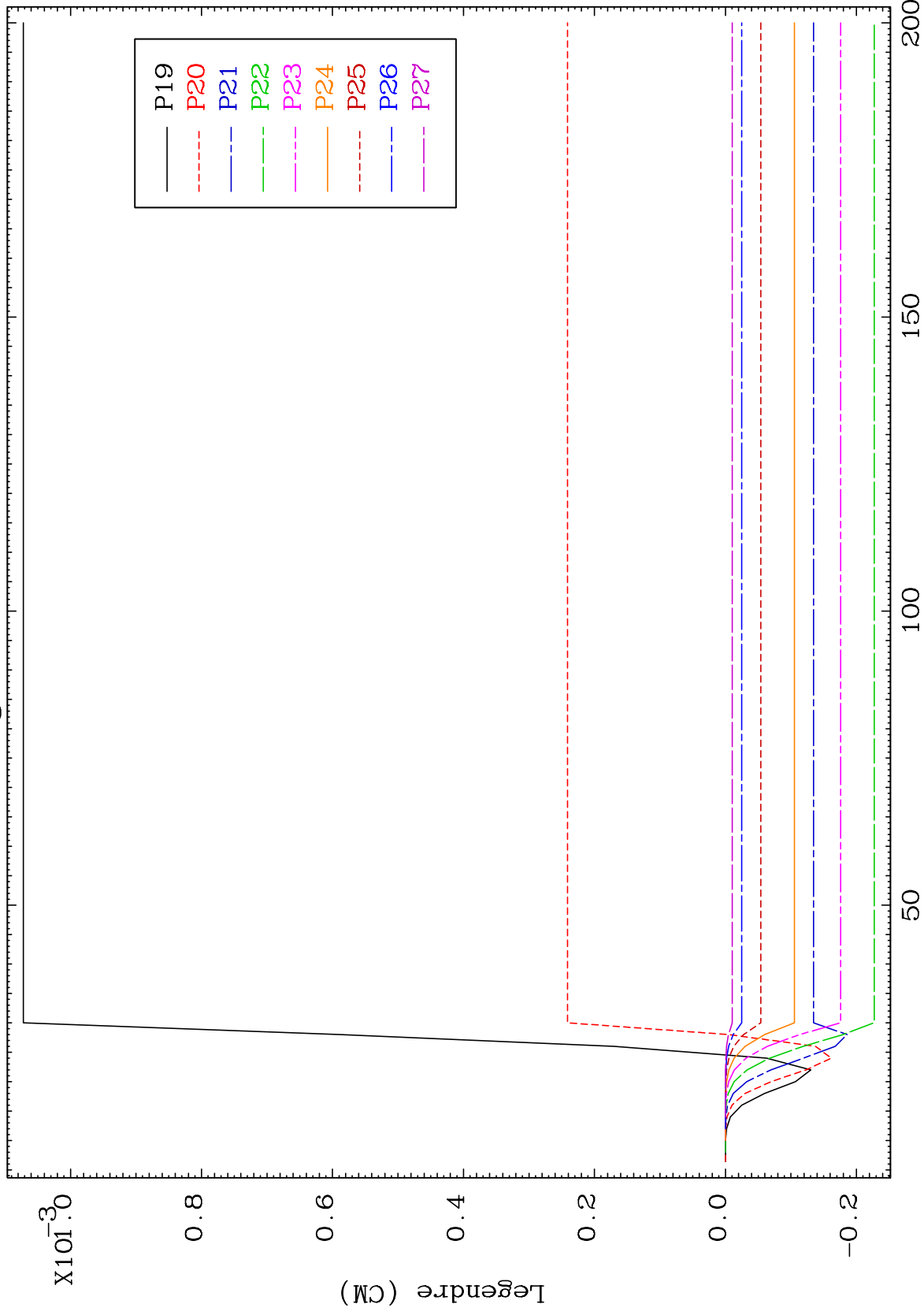
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

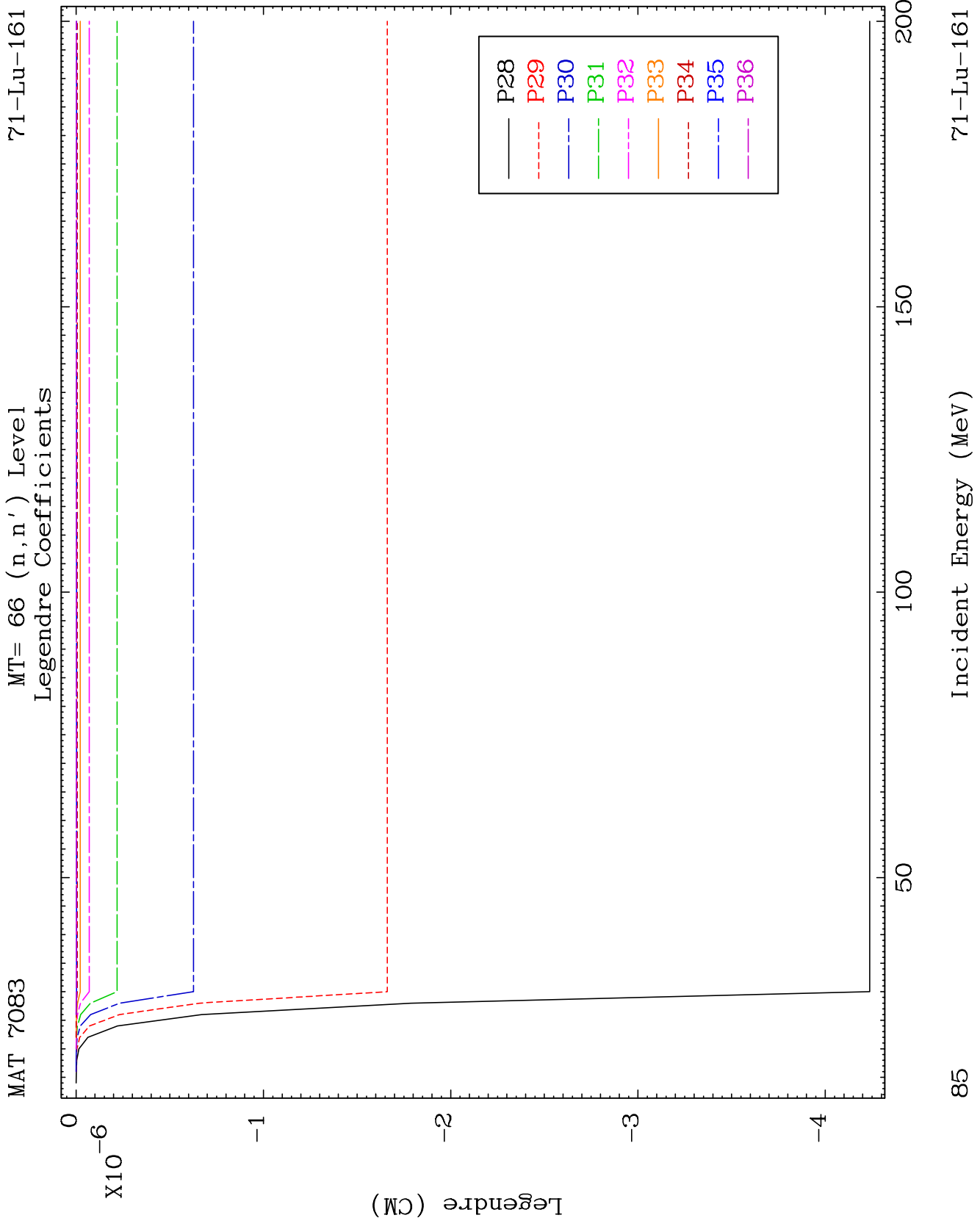
71-Lu-161

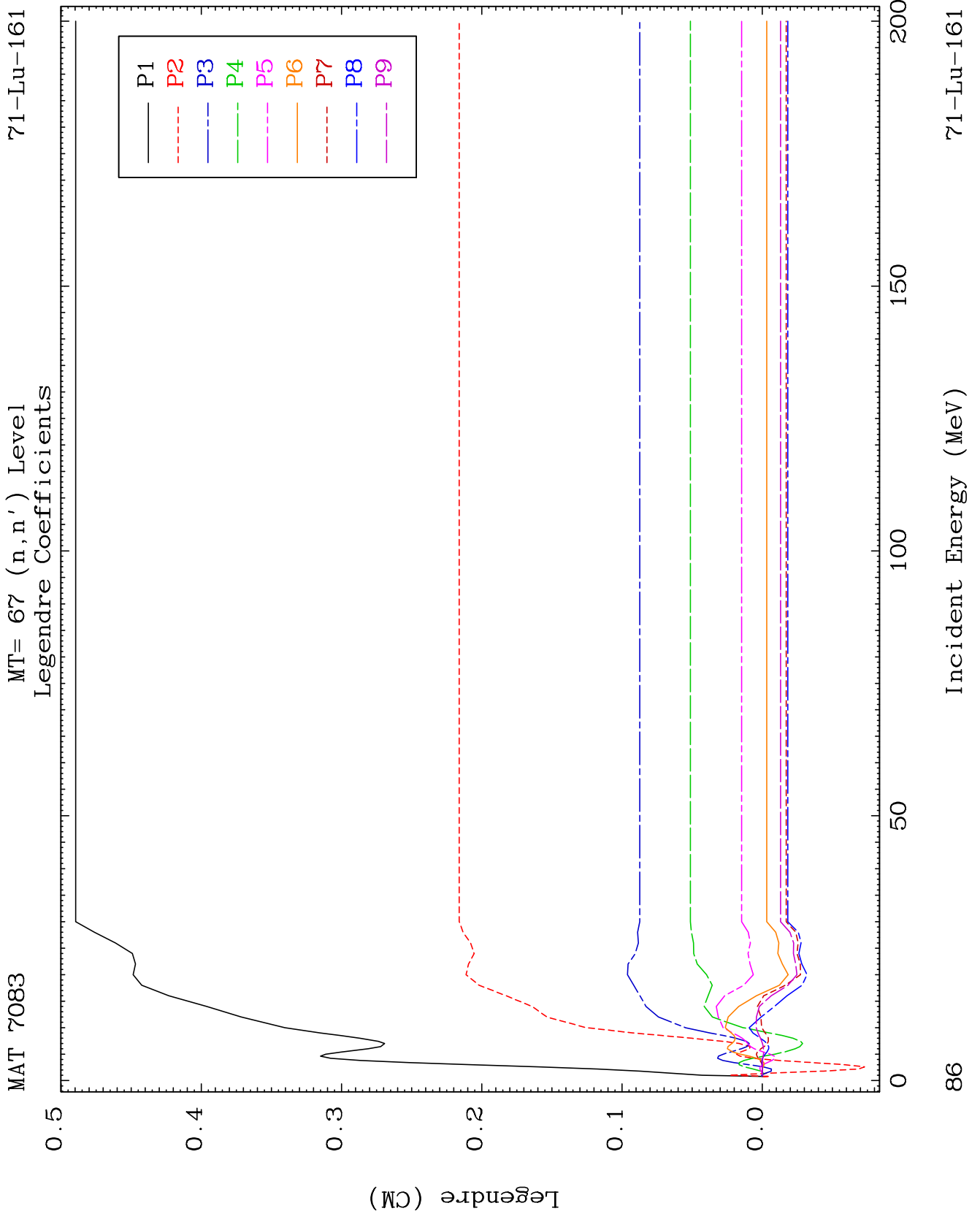


84

Incident Energy (MeV)

71-Lu-161

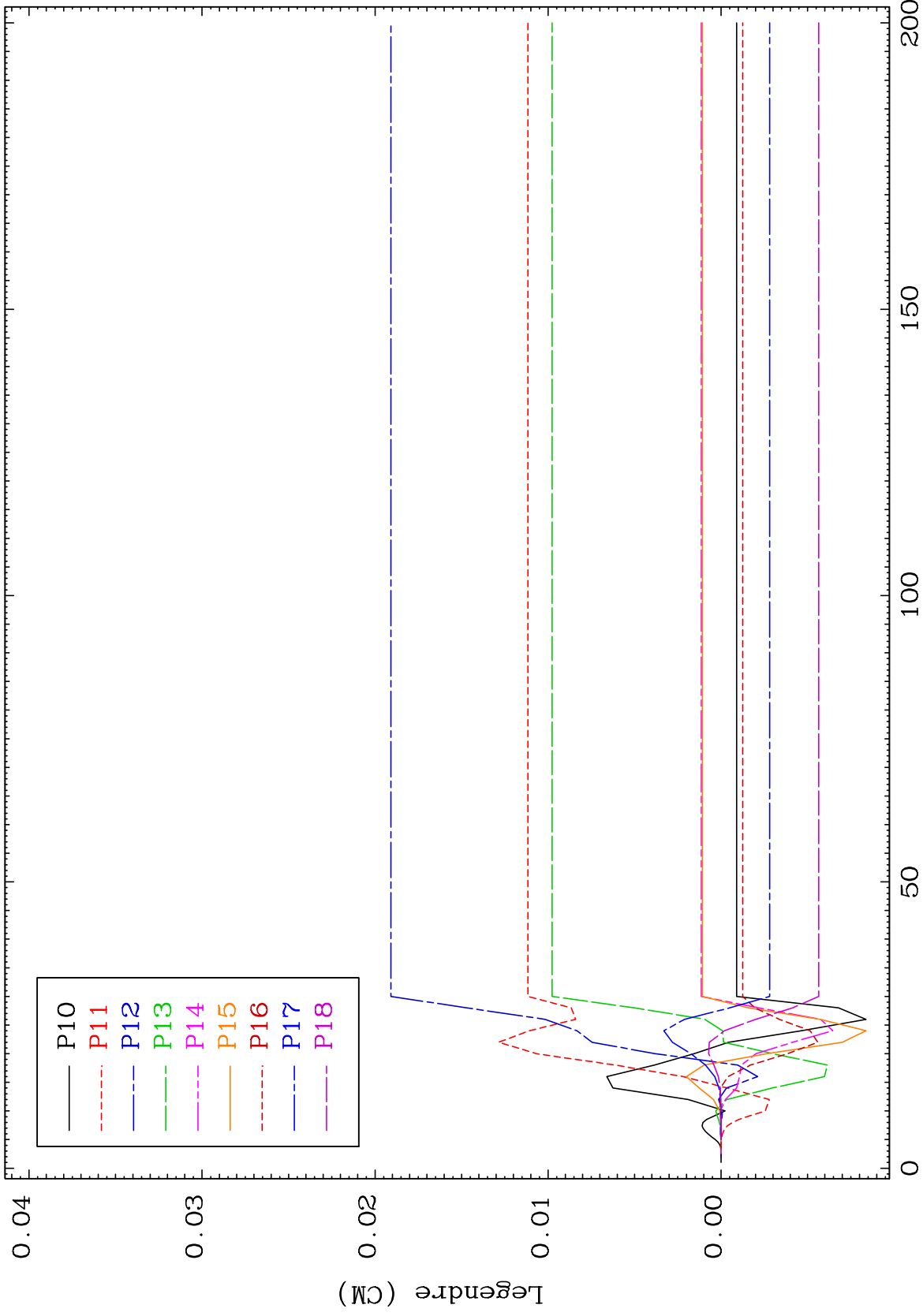




MAT 7083

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

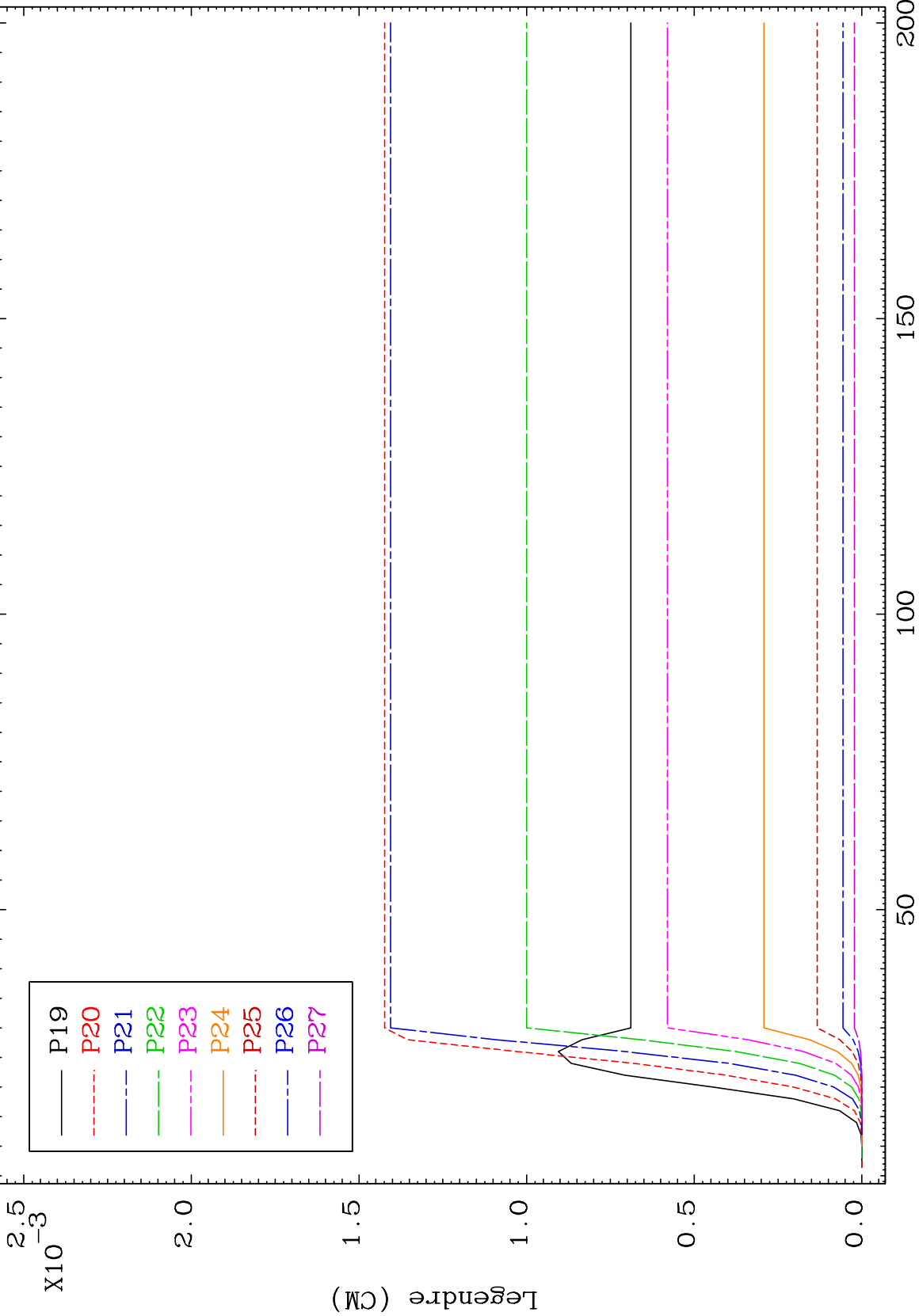
71-Lu-161



87

Incident Energy (MeV)

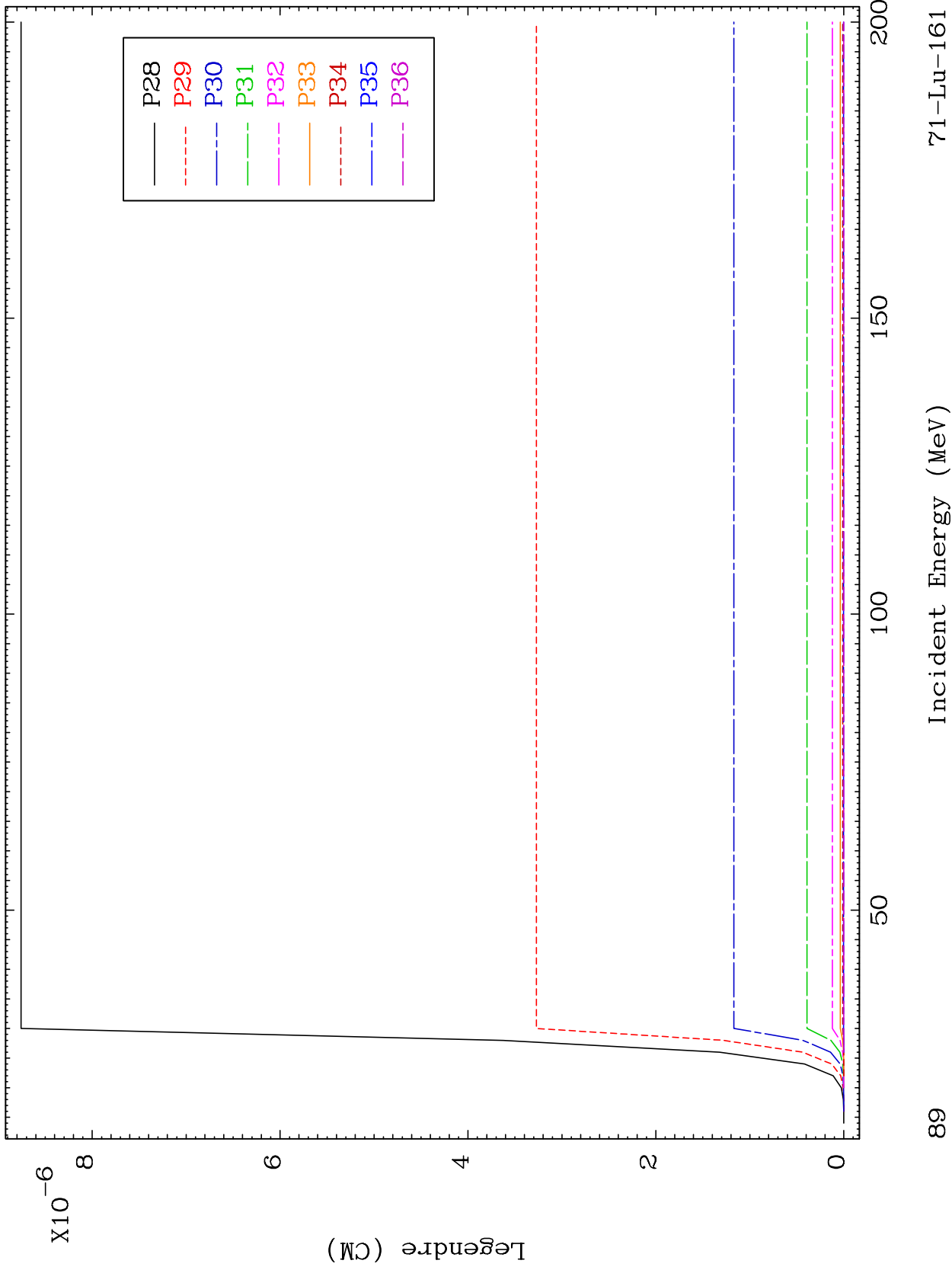
71-Lu-161



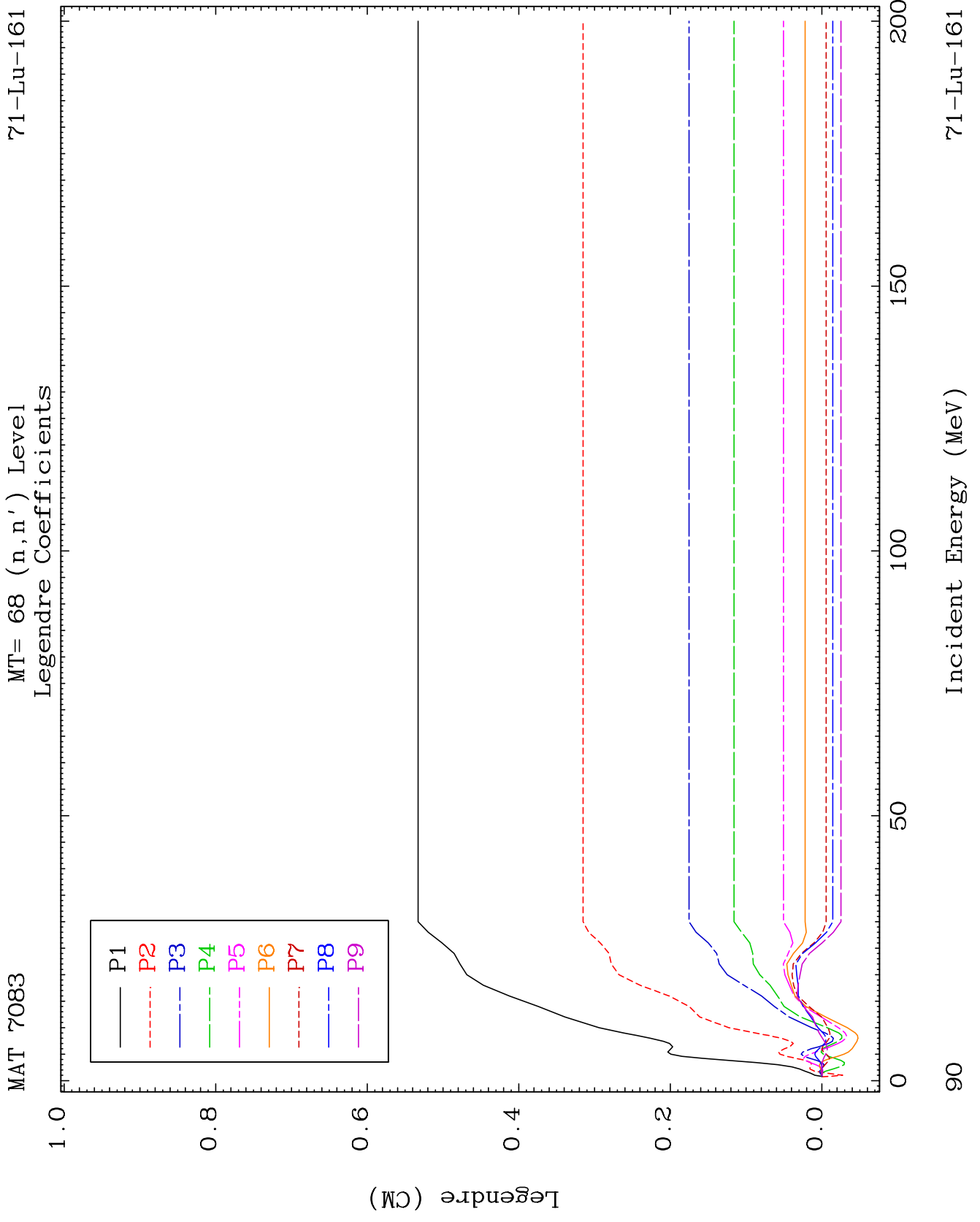
MAT 7083

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

71-Lu-161



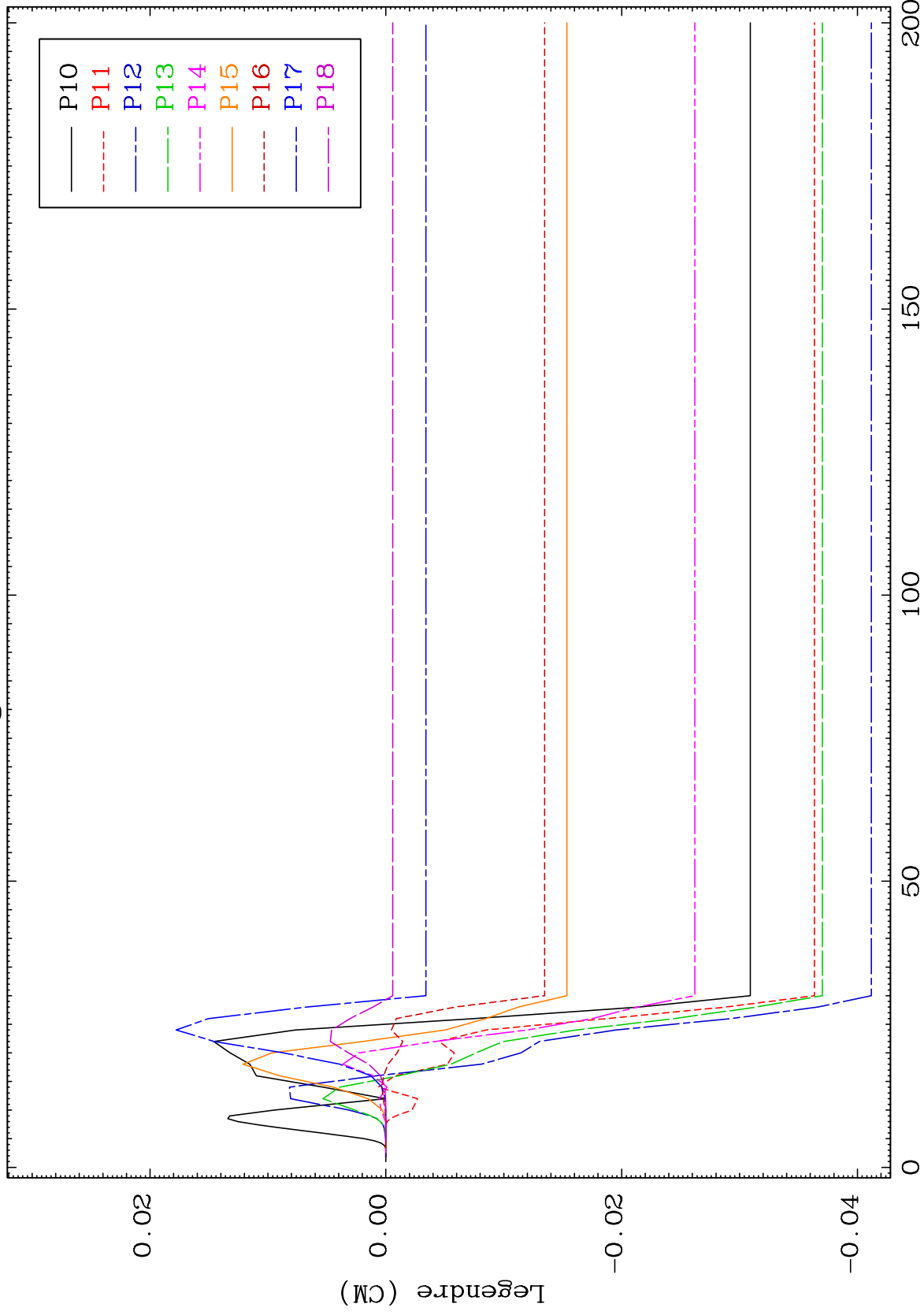
89



MAT 7083

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

71-Lu-161



91

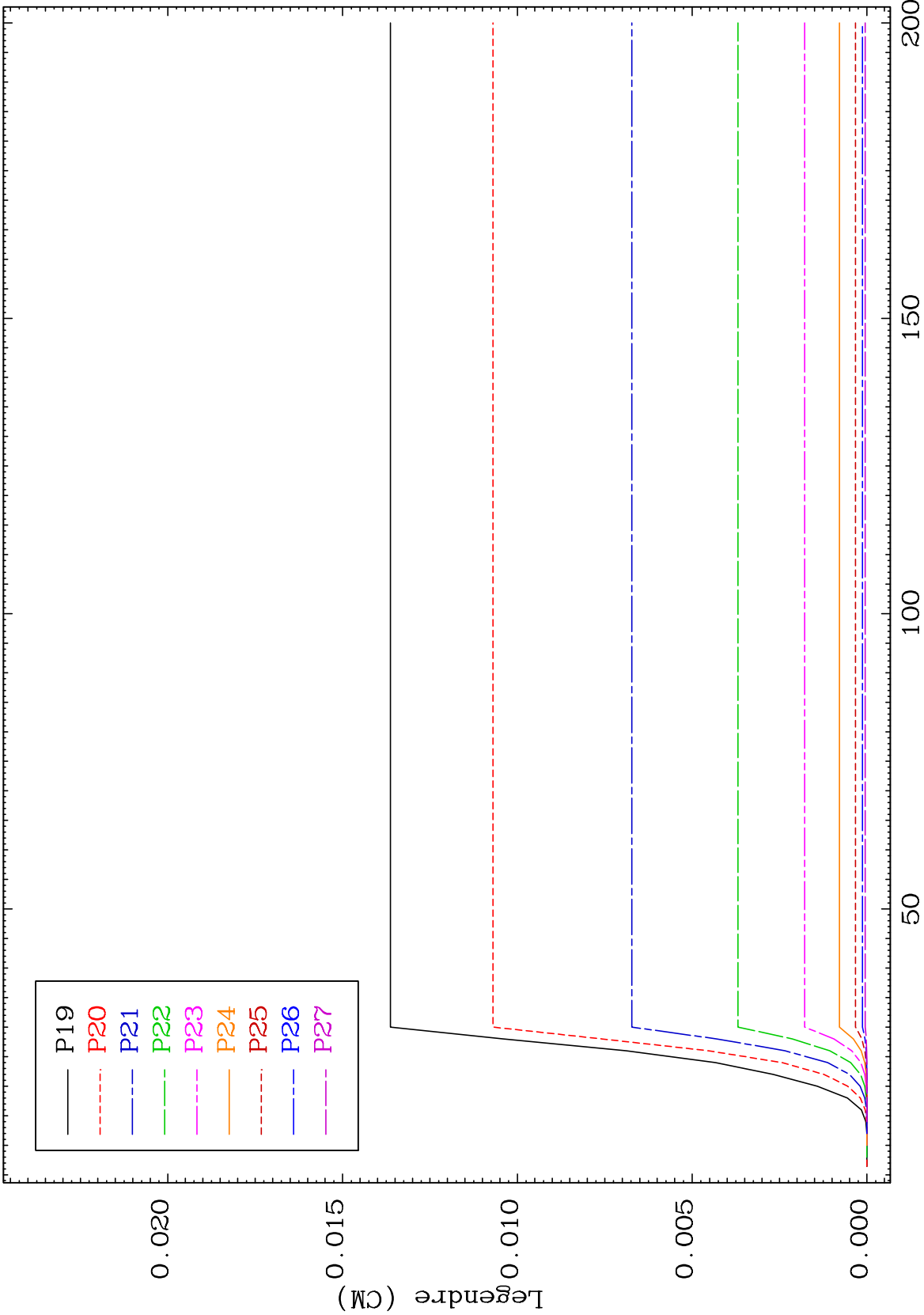
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



92

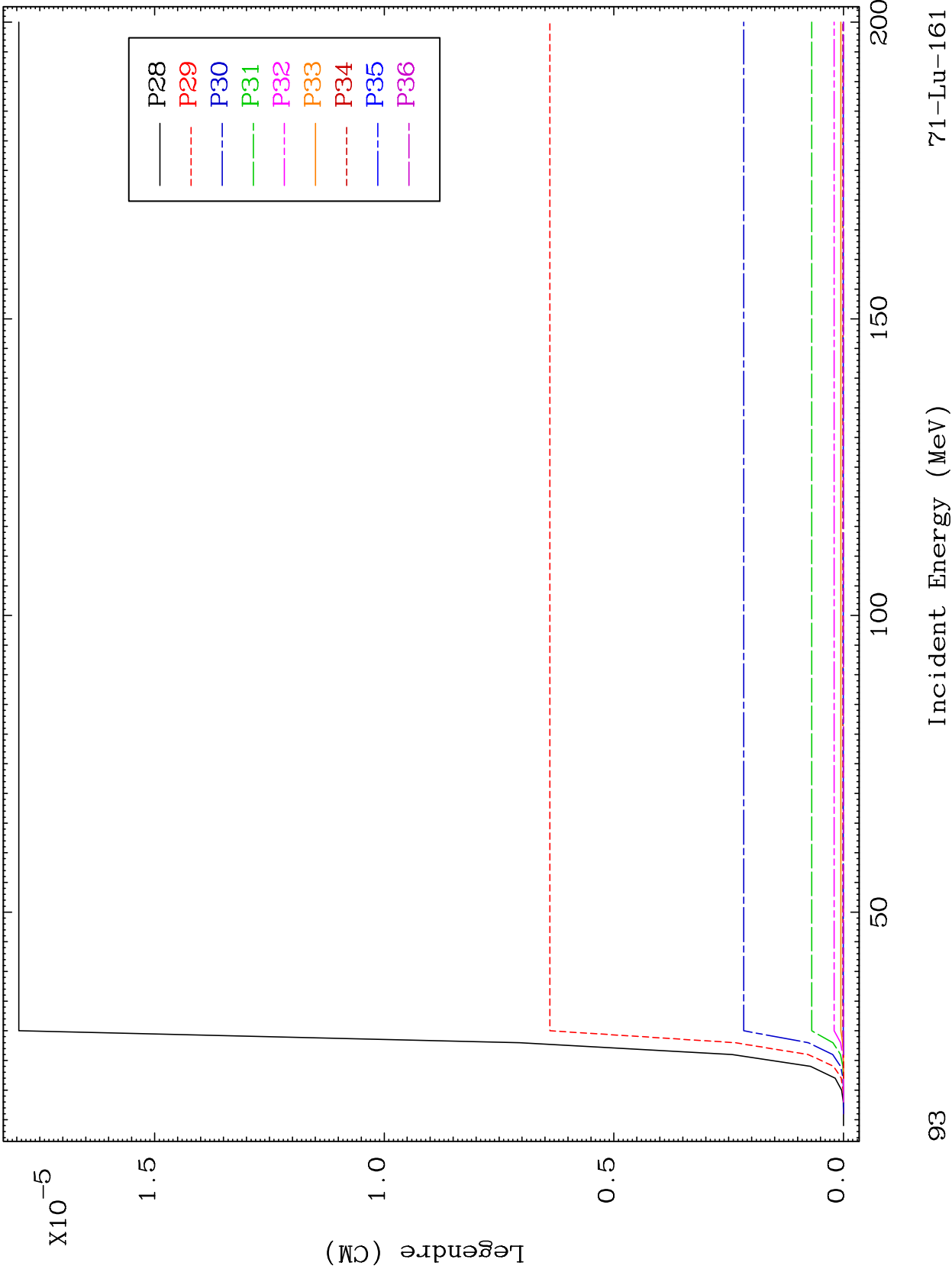
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

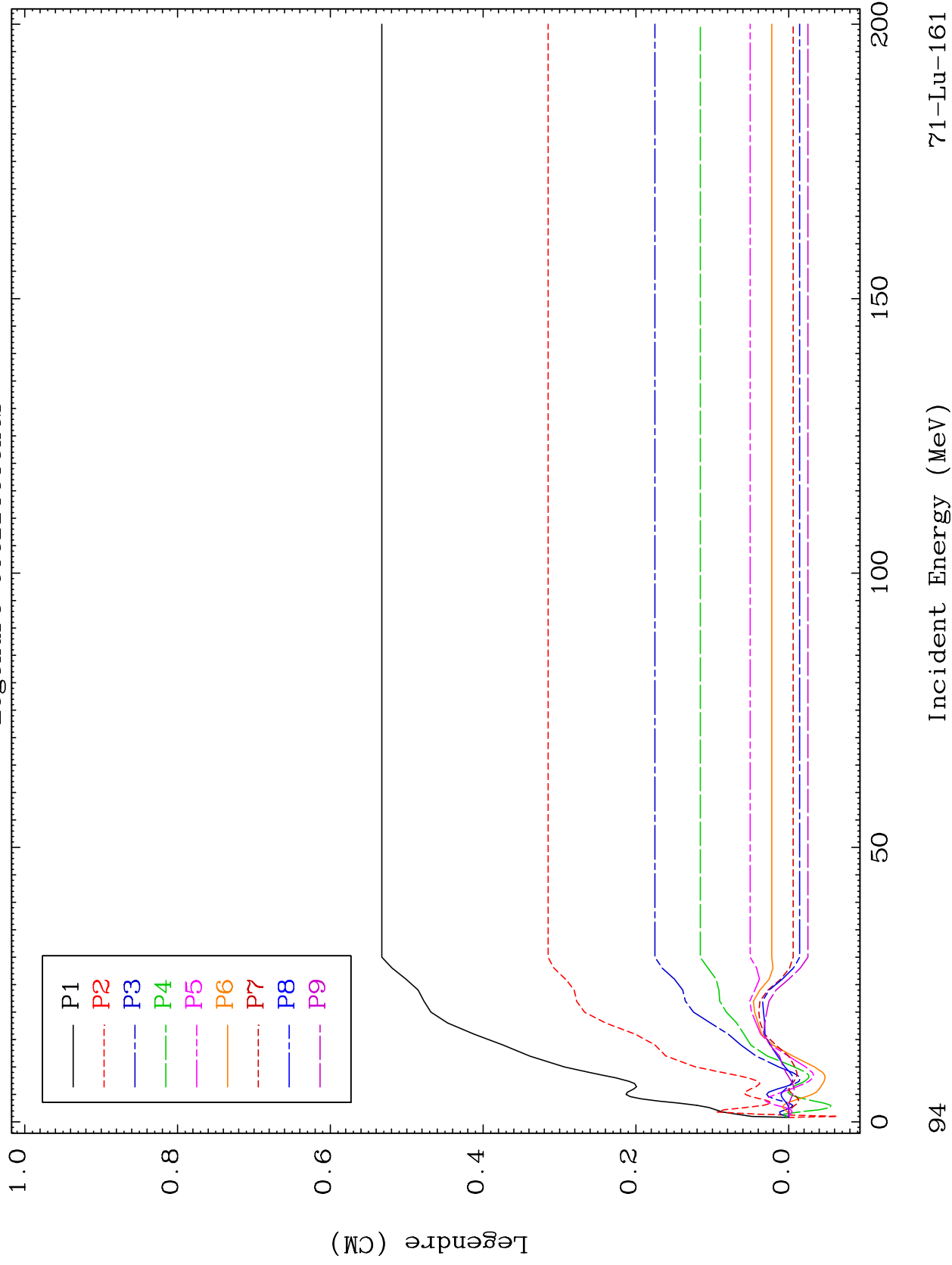
71-Lu-161



MAT 7083

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

71-Lu-161



94

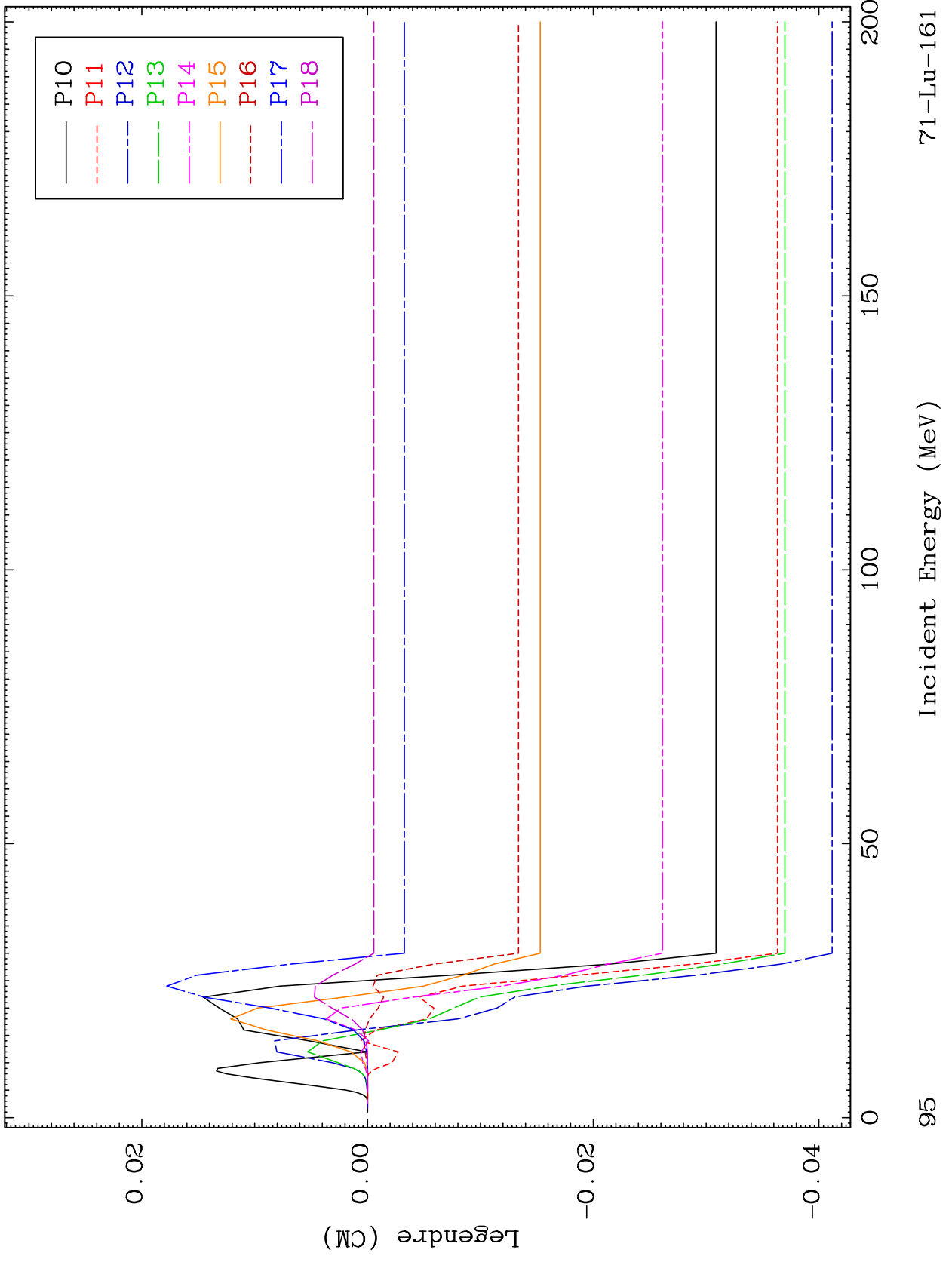
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

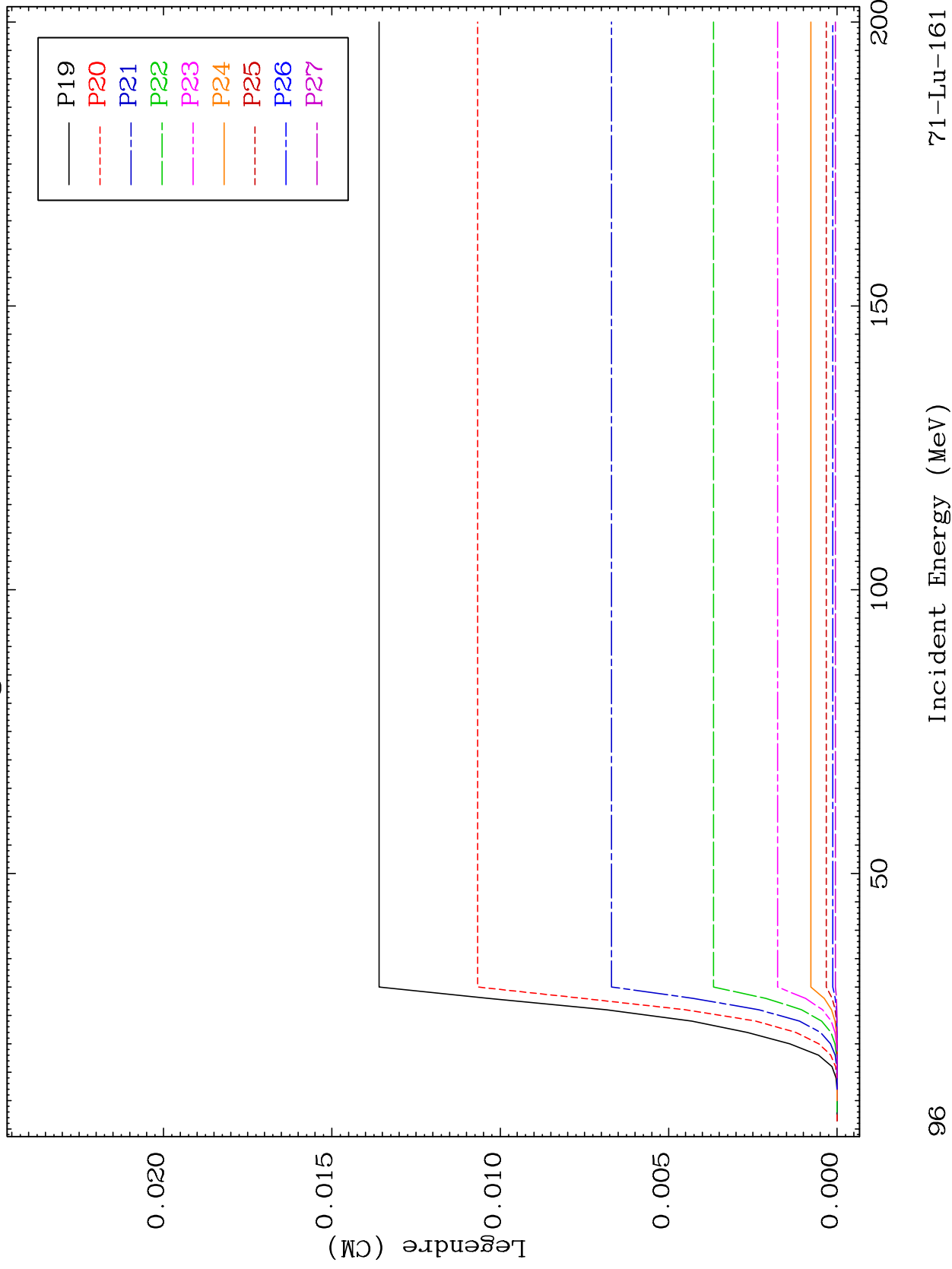
Incident Energy (MeV)

95

MAT 7083

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

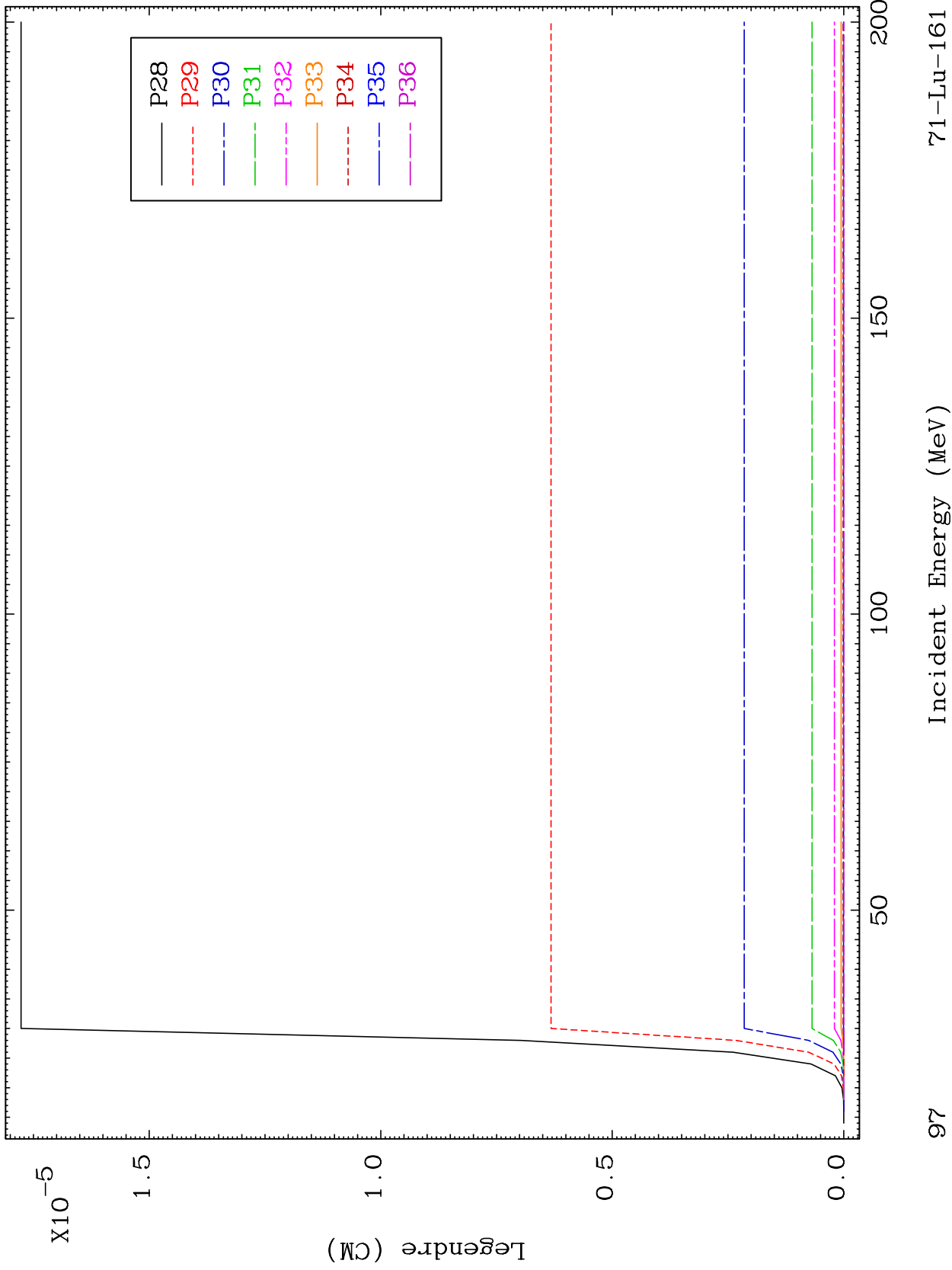
71-Lu-161



MAT 7083

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

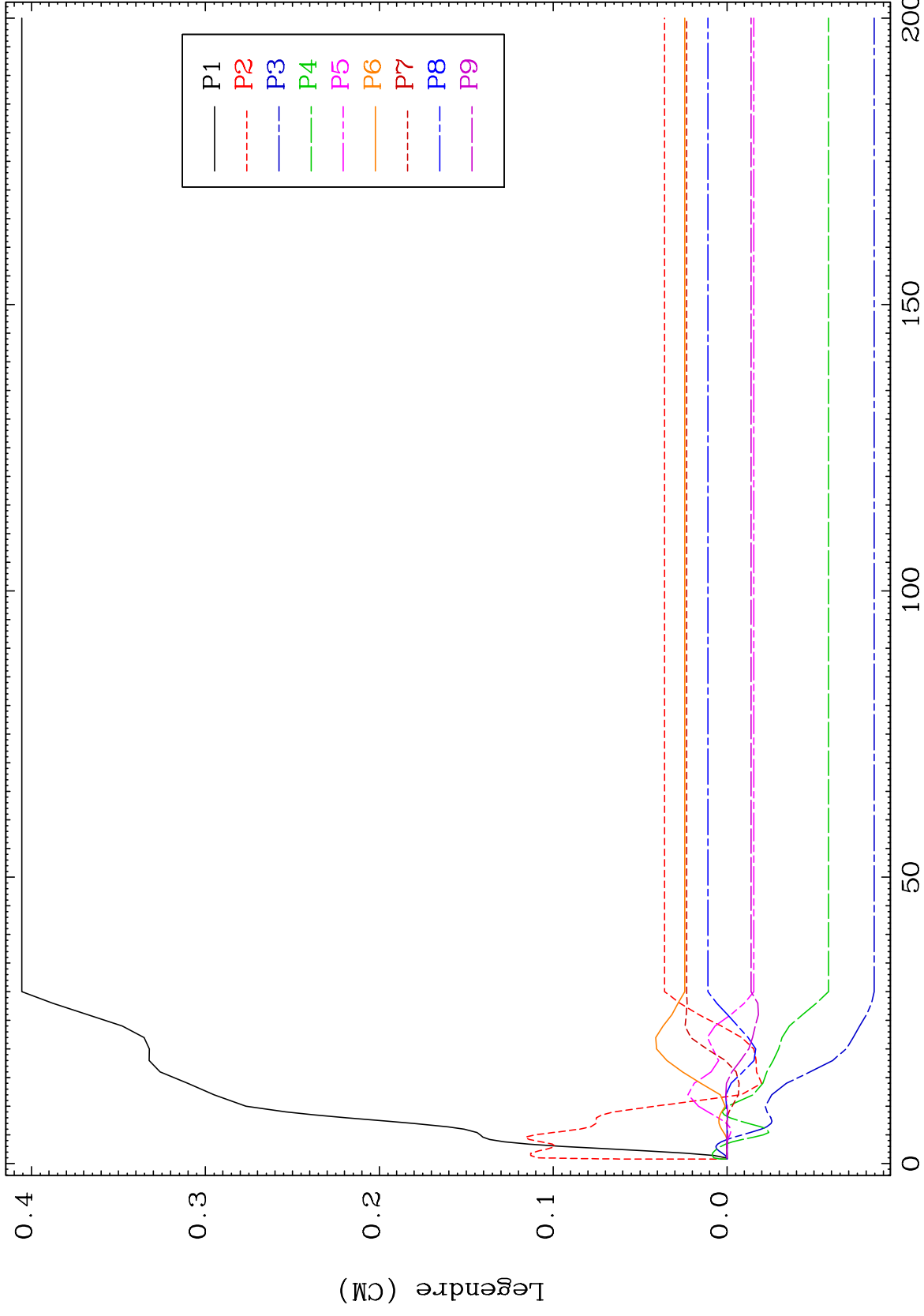
71-Lu-161



MAT 7083

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

71-Lu-161



98

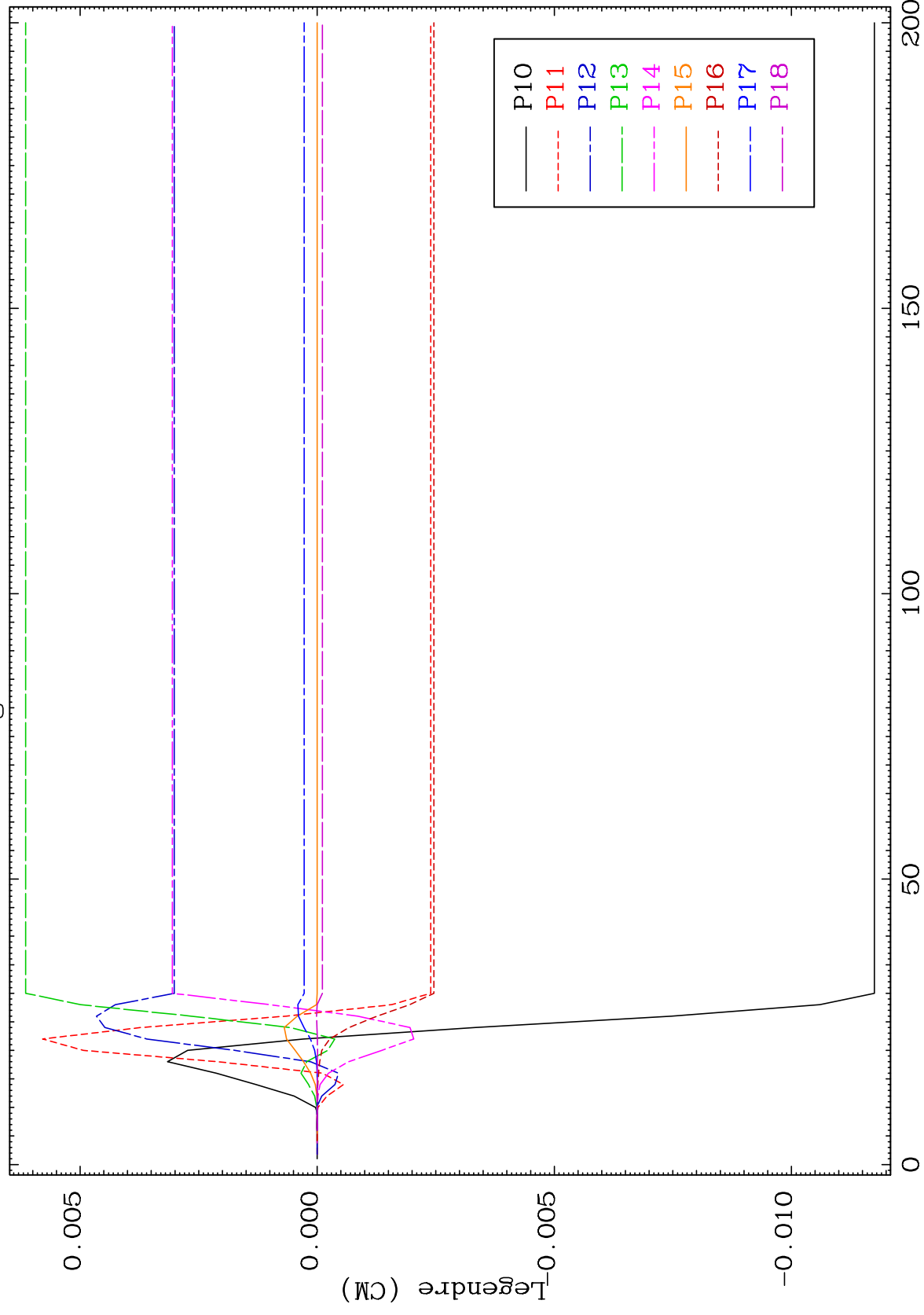
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



99

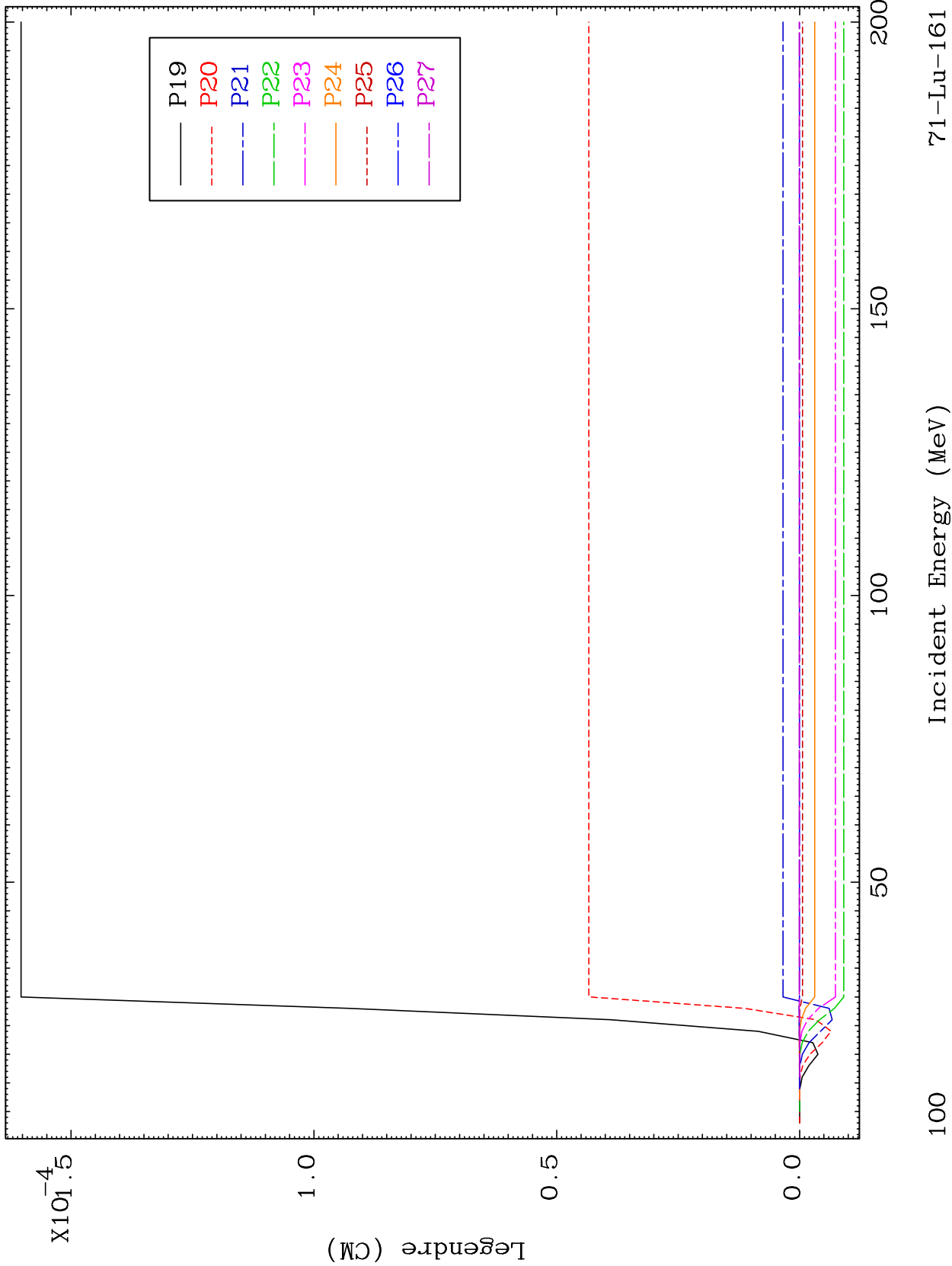
Incident Energy (MeV)

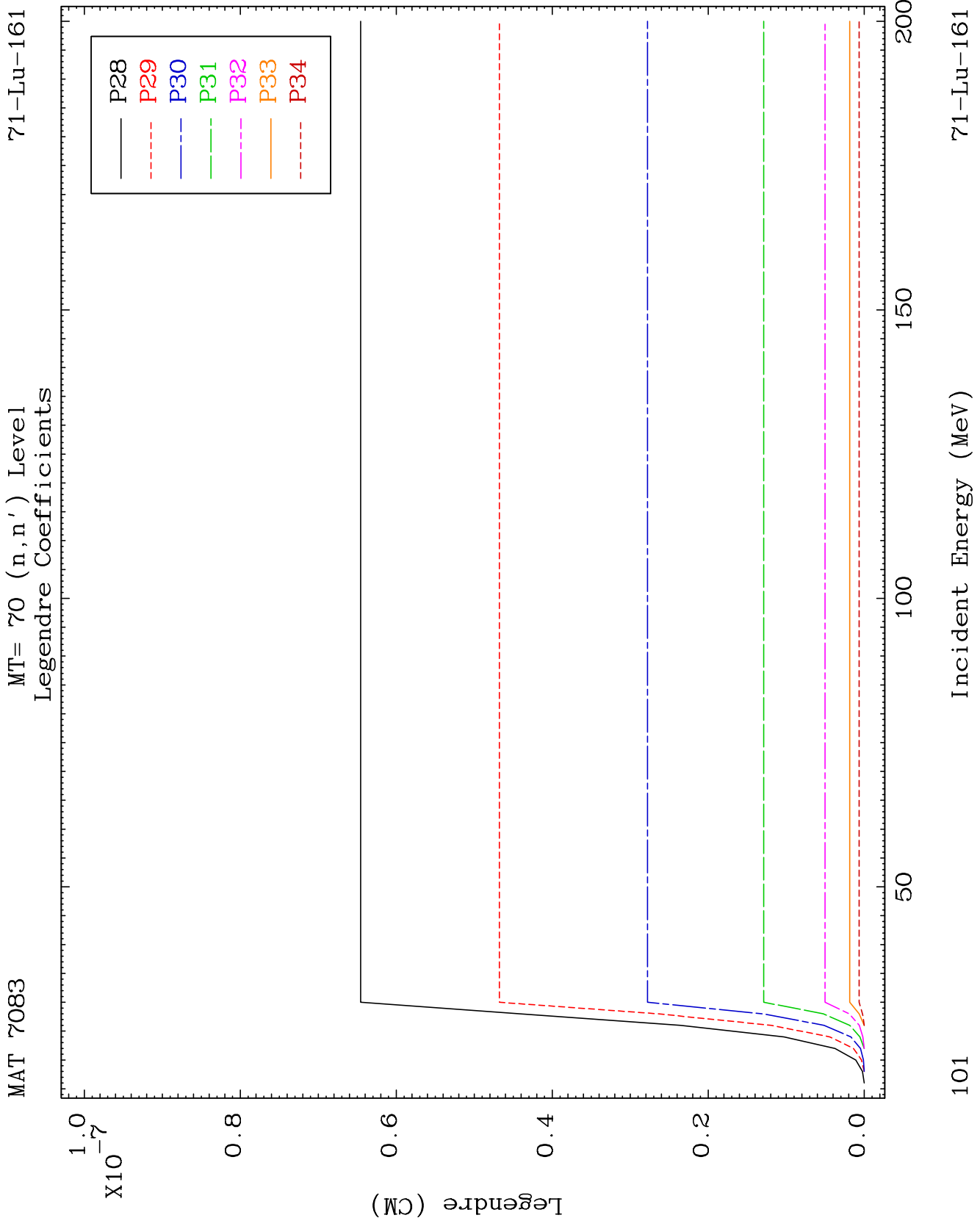
71-Lu-161

MAT 7083

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

71-Lu-161

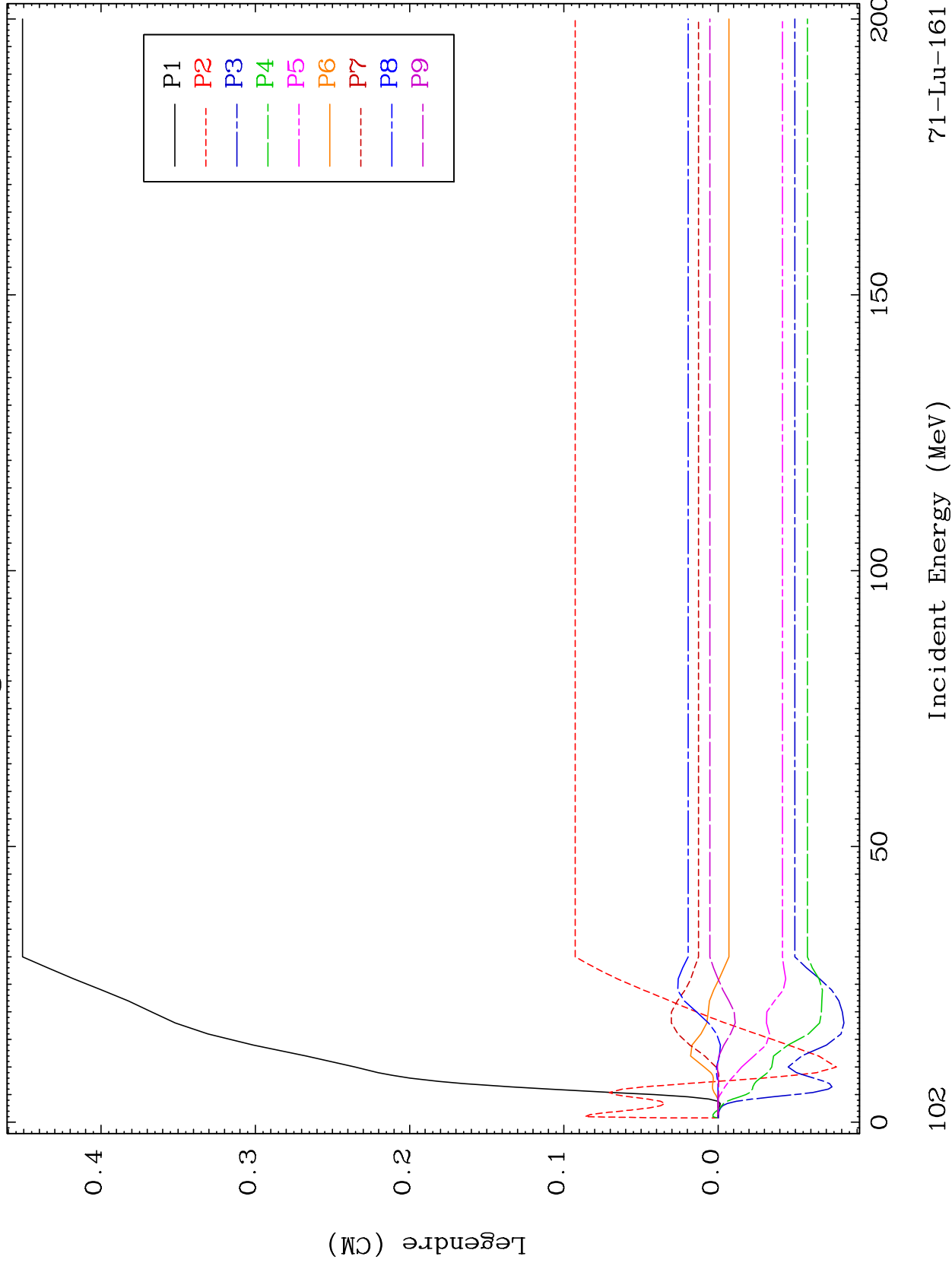




MAT 7083

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

71-Lu-161



71-Lu-161

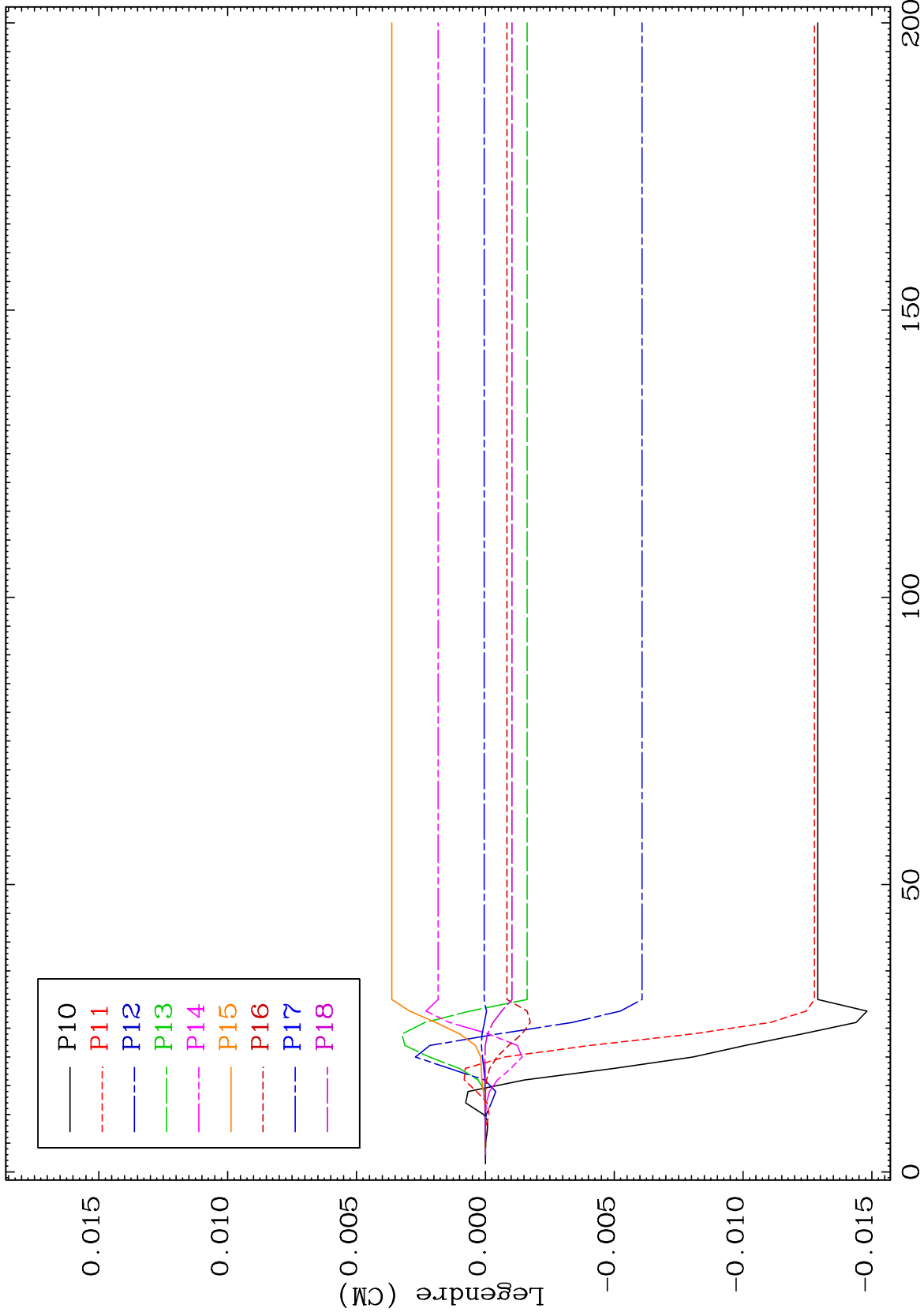
Incident Energy (MeV)

102

MAT 7083

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

71-Lu-161



103

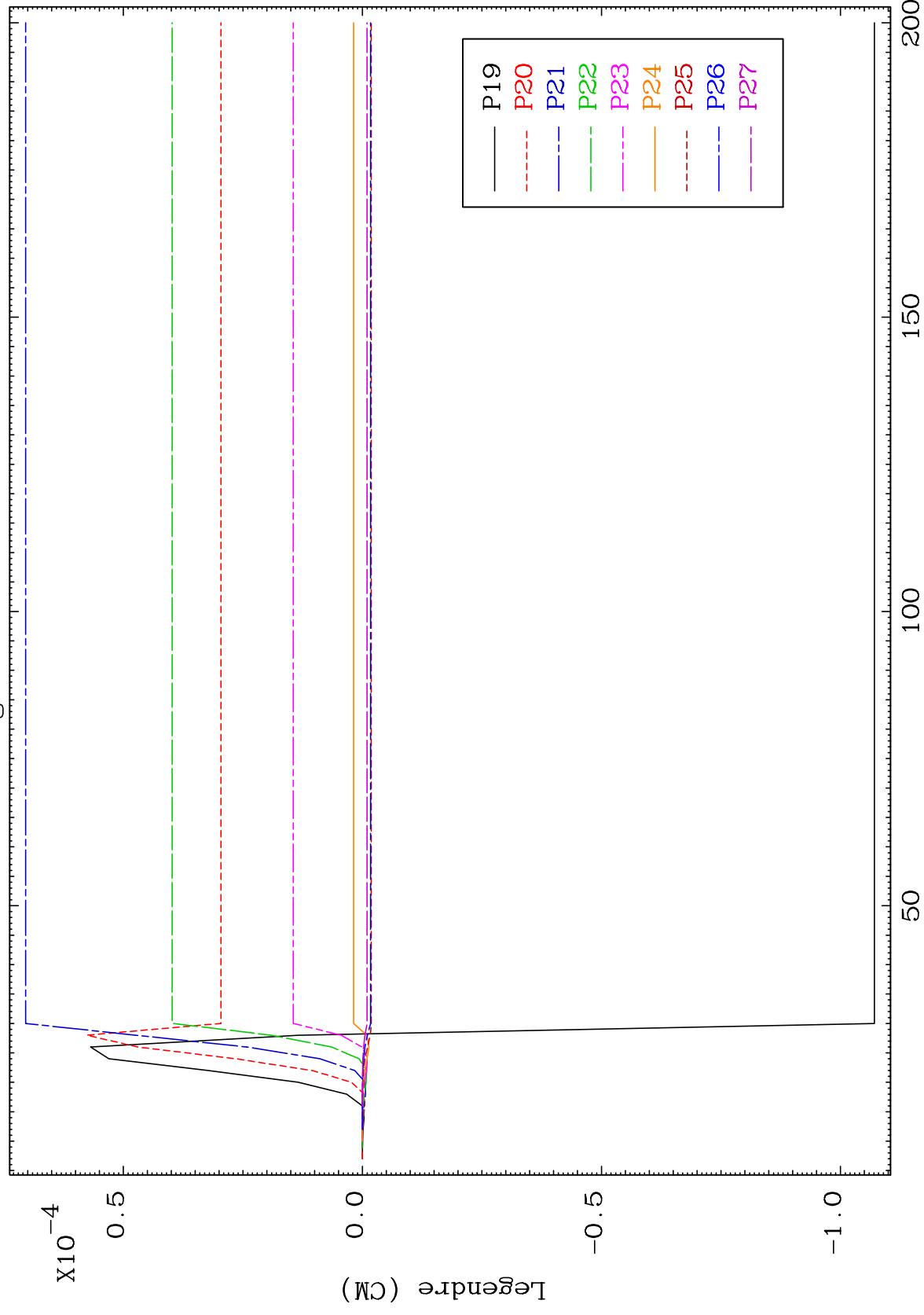
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



104

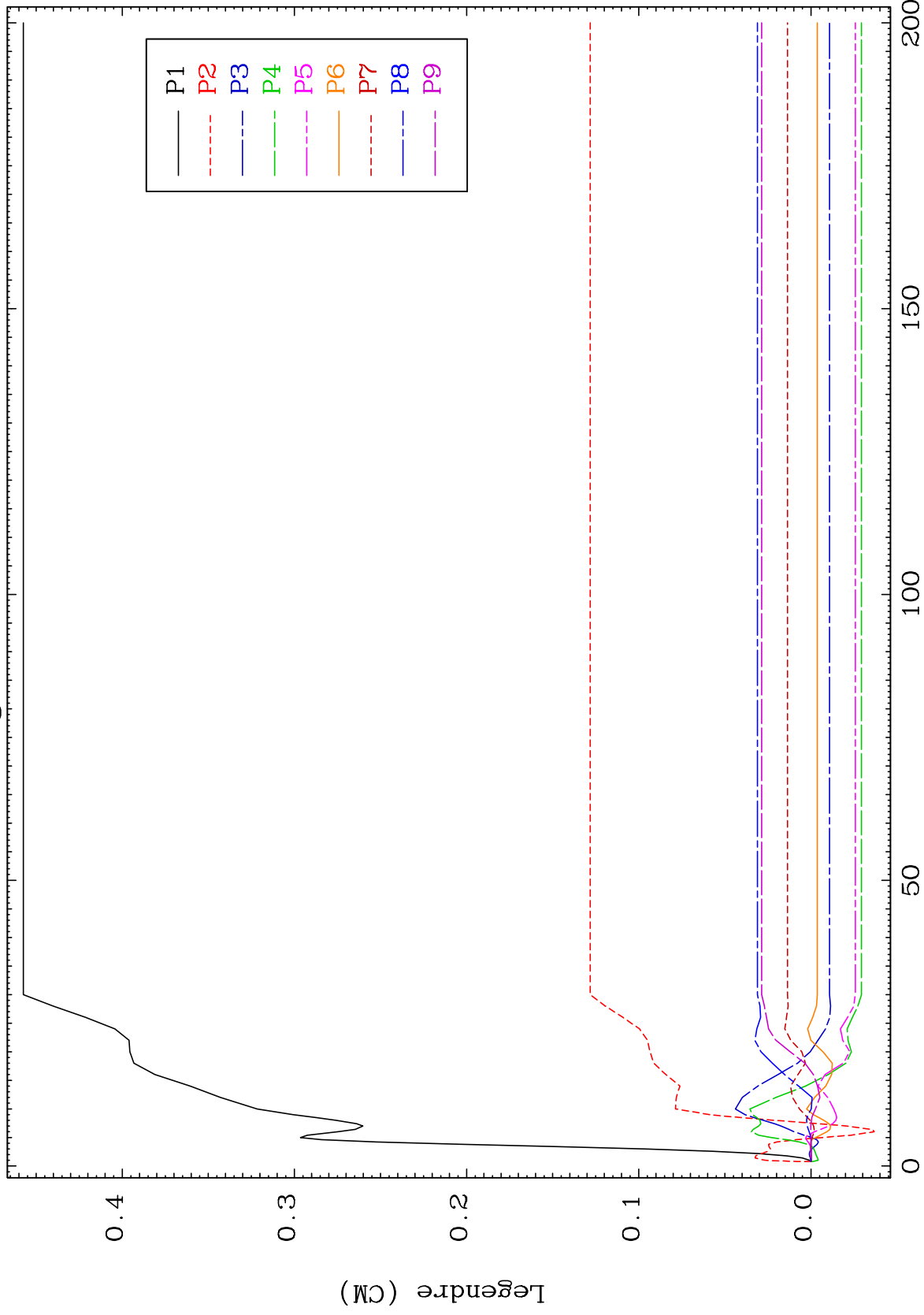
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



71-Lu-161

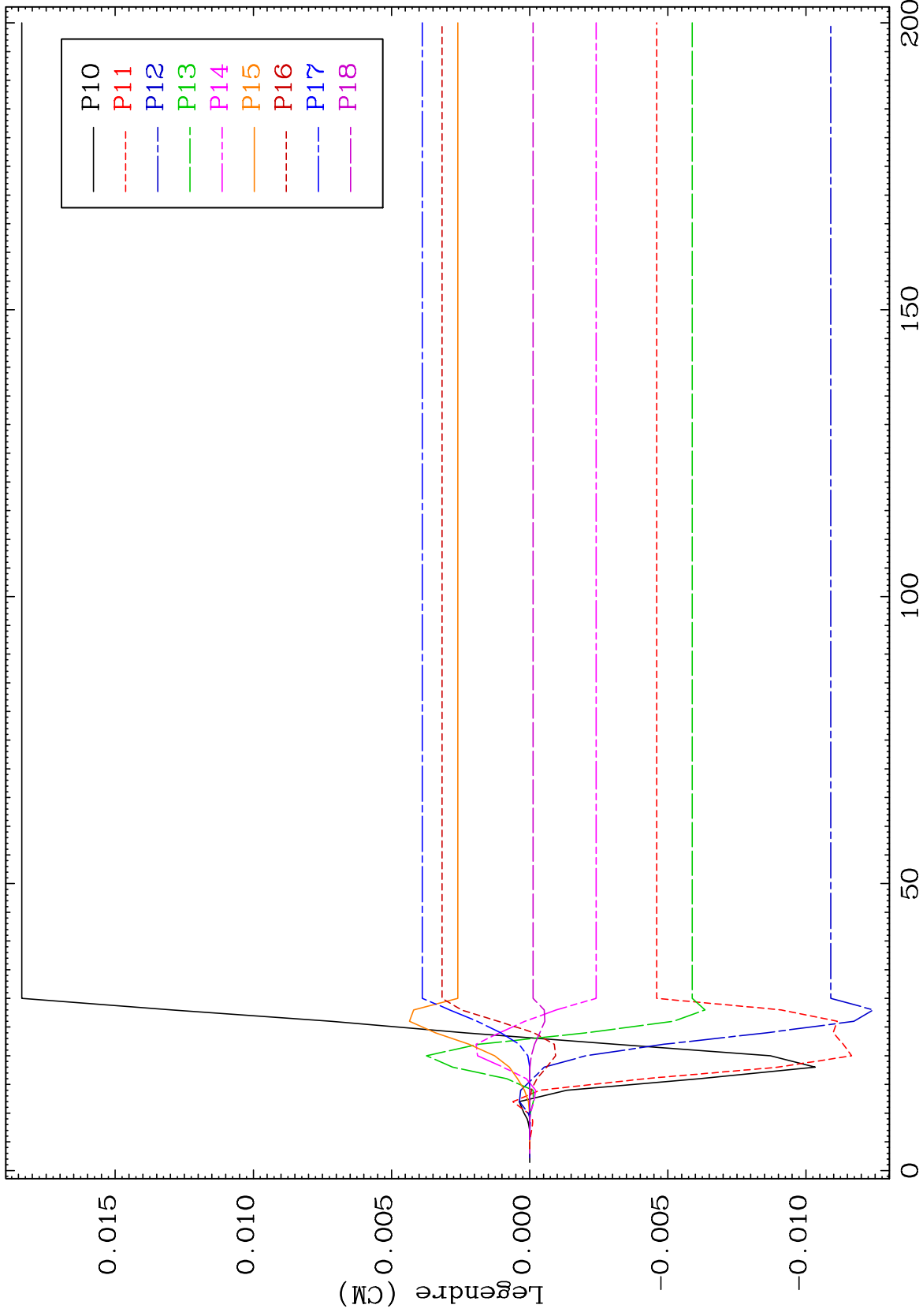
Incident Energy (MeV)

106

MAT 7083

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

71-Lu-161



107

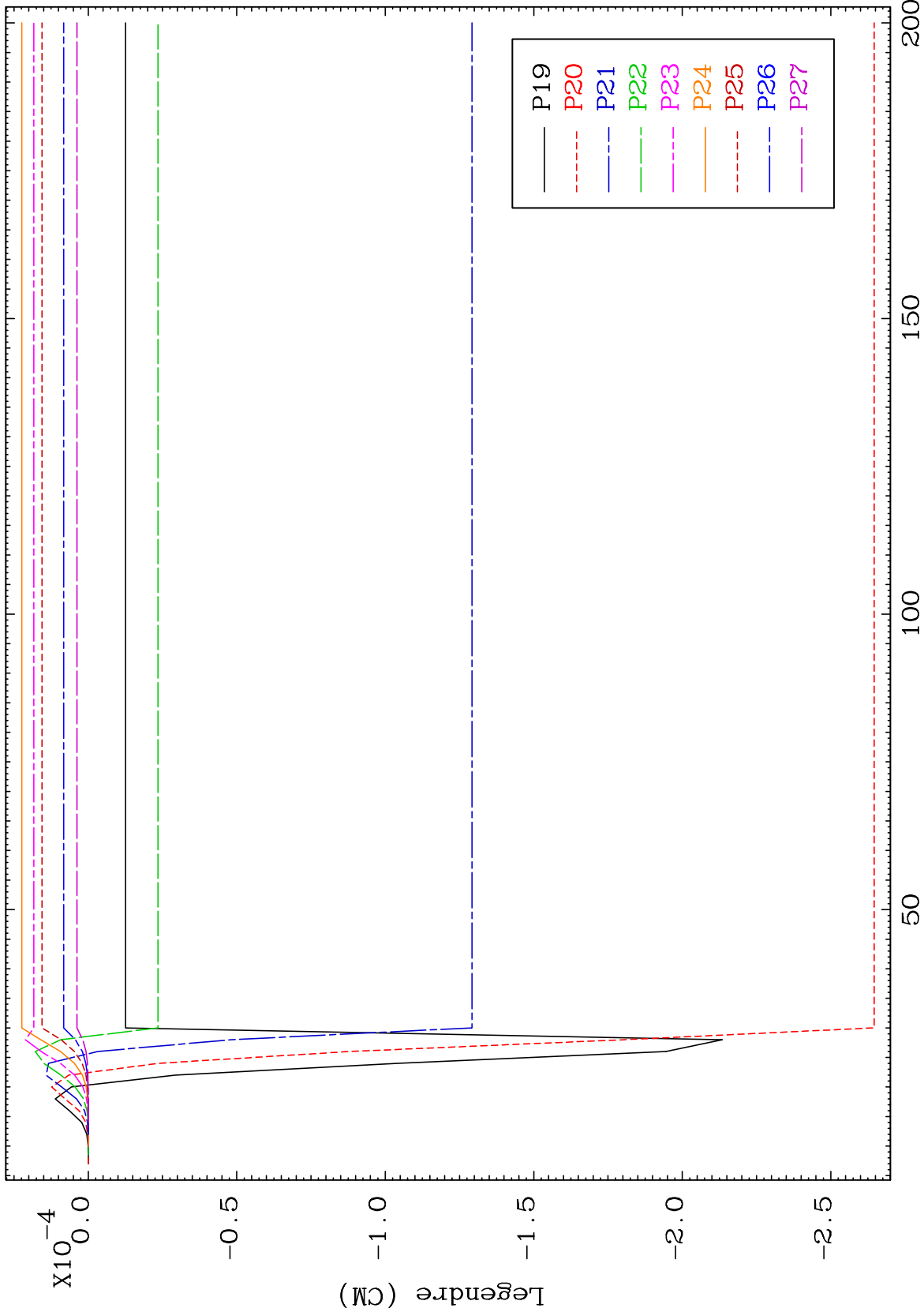
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



108

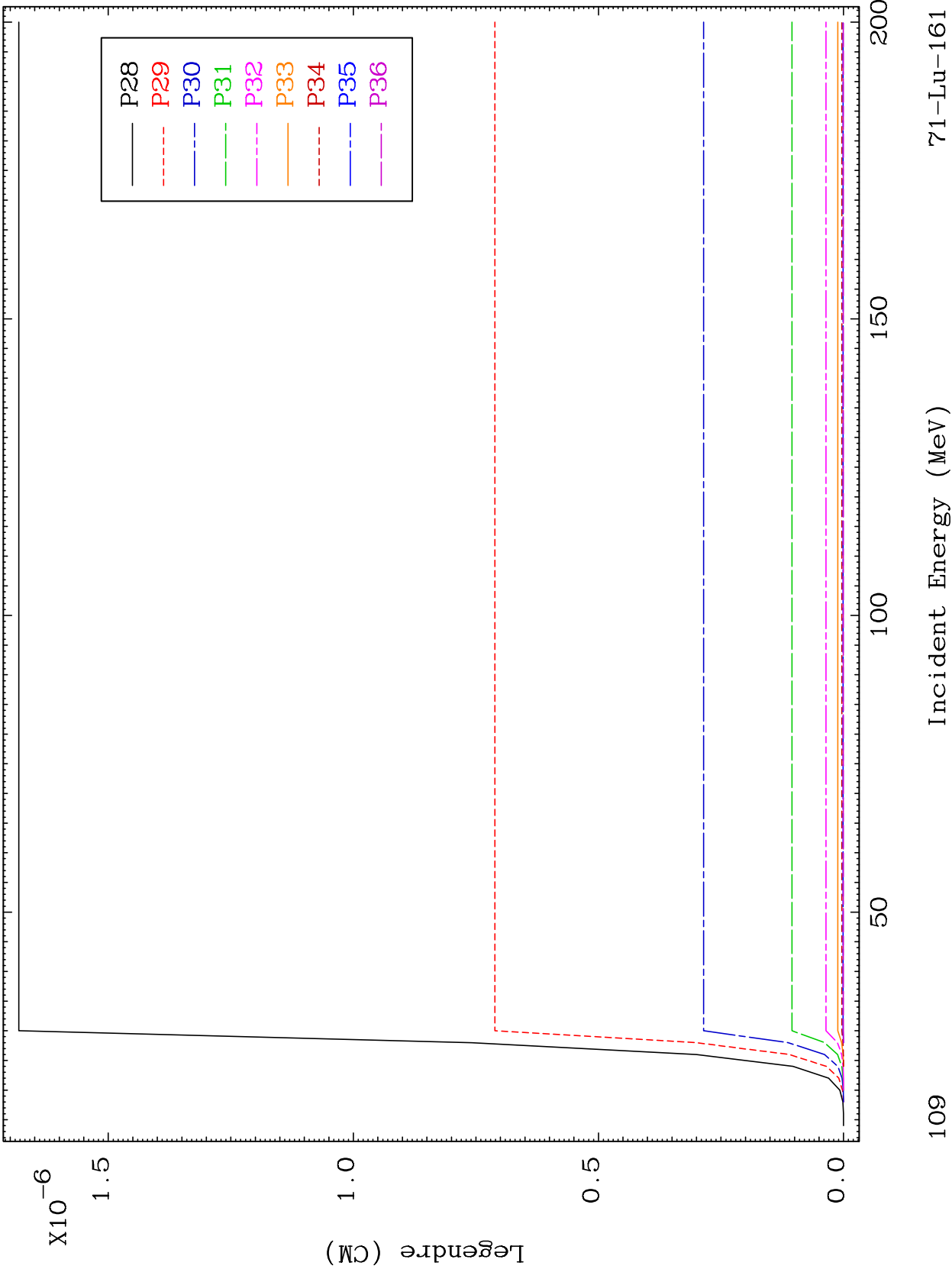
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

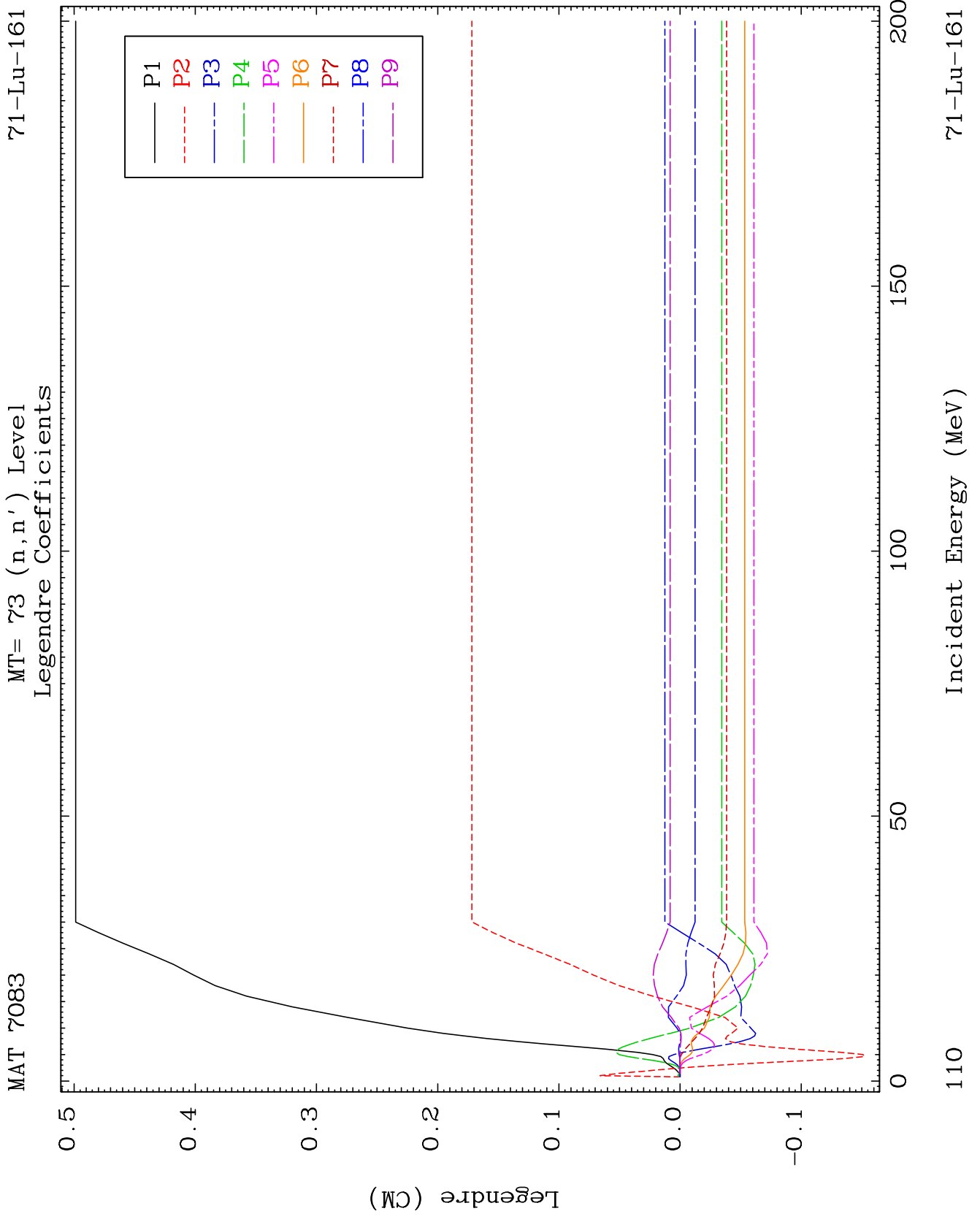
71-Lu-161



109

Incident Energy (MeV)

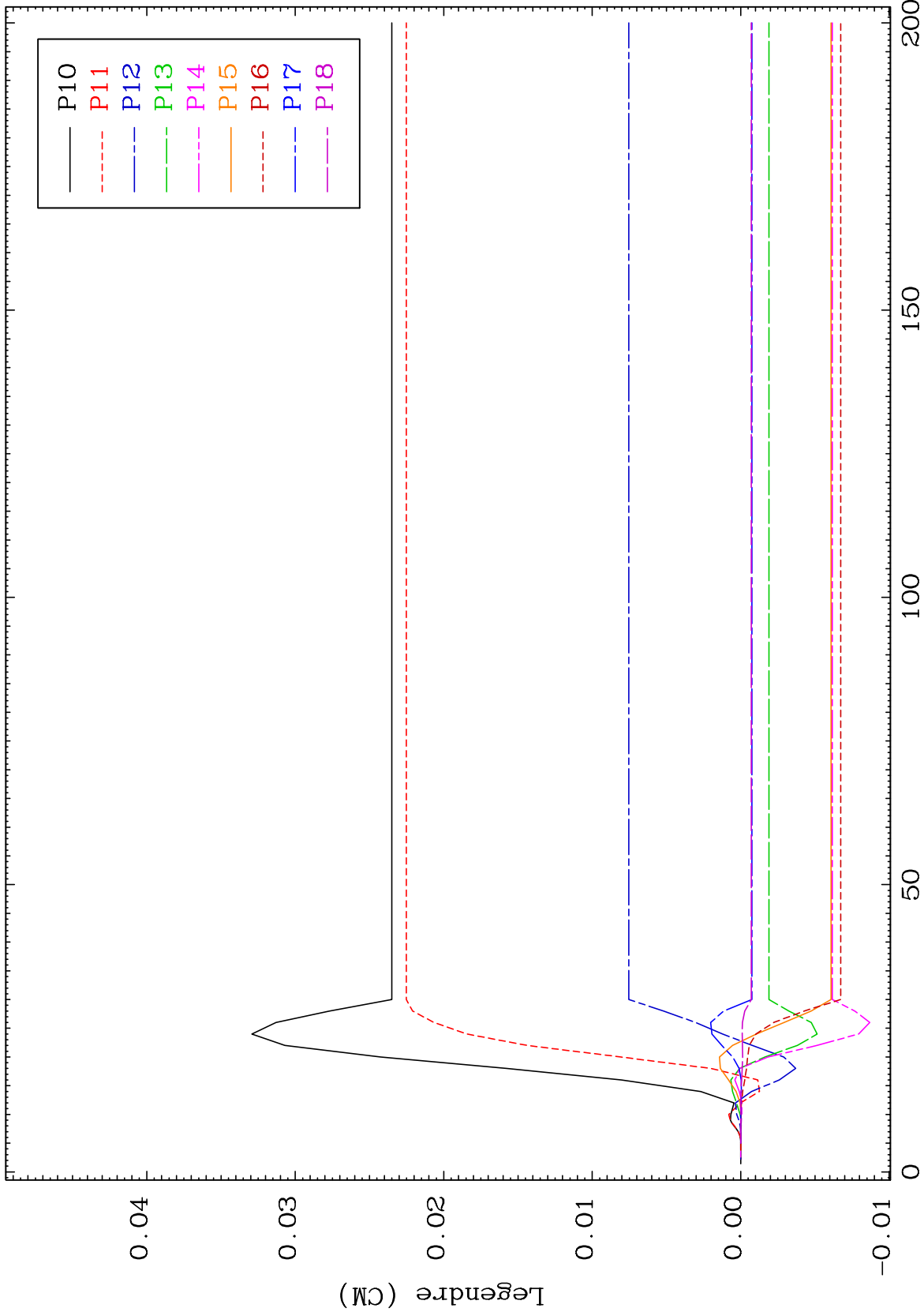
71-Lu-161



MAT 7083

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

71-Lu-161



111

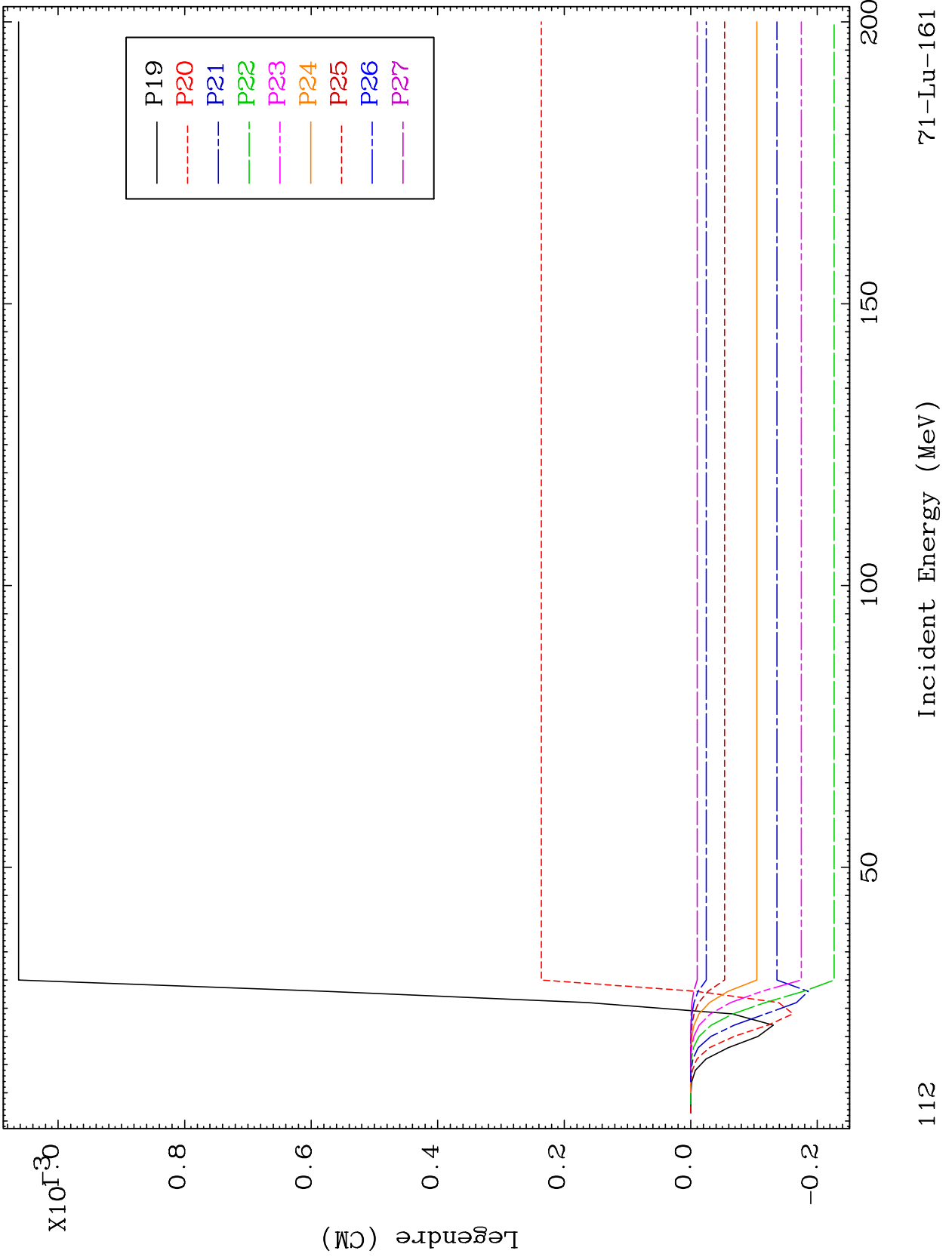
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

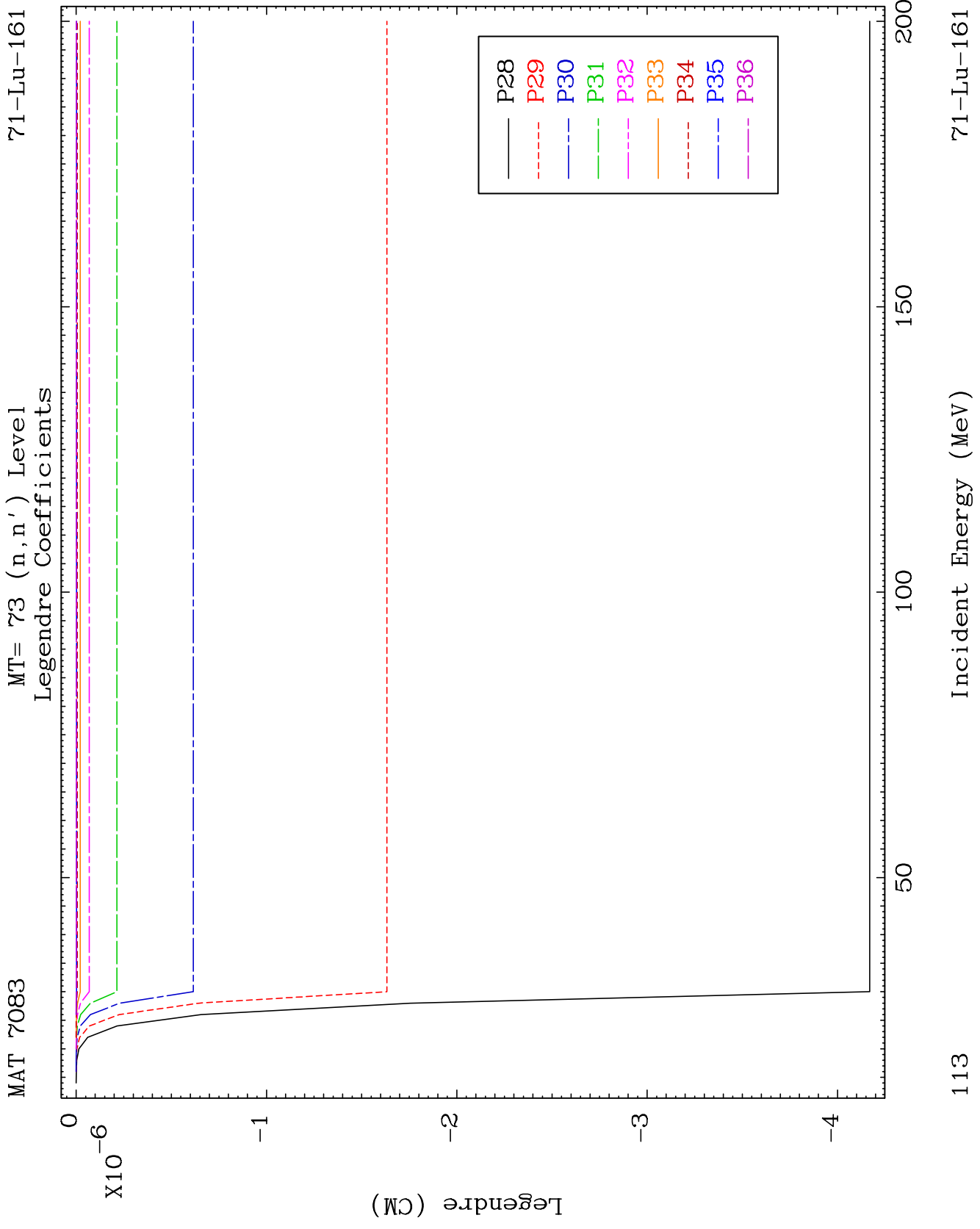
71-Lu-161



112

Incident Energy (MeV)

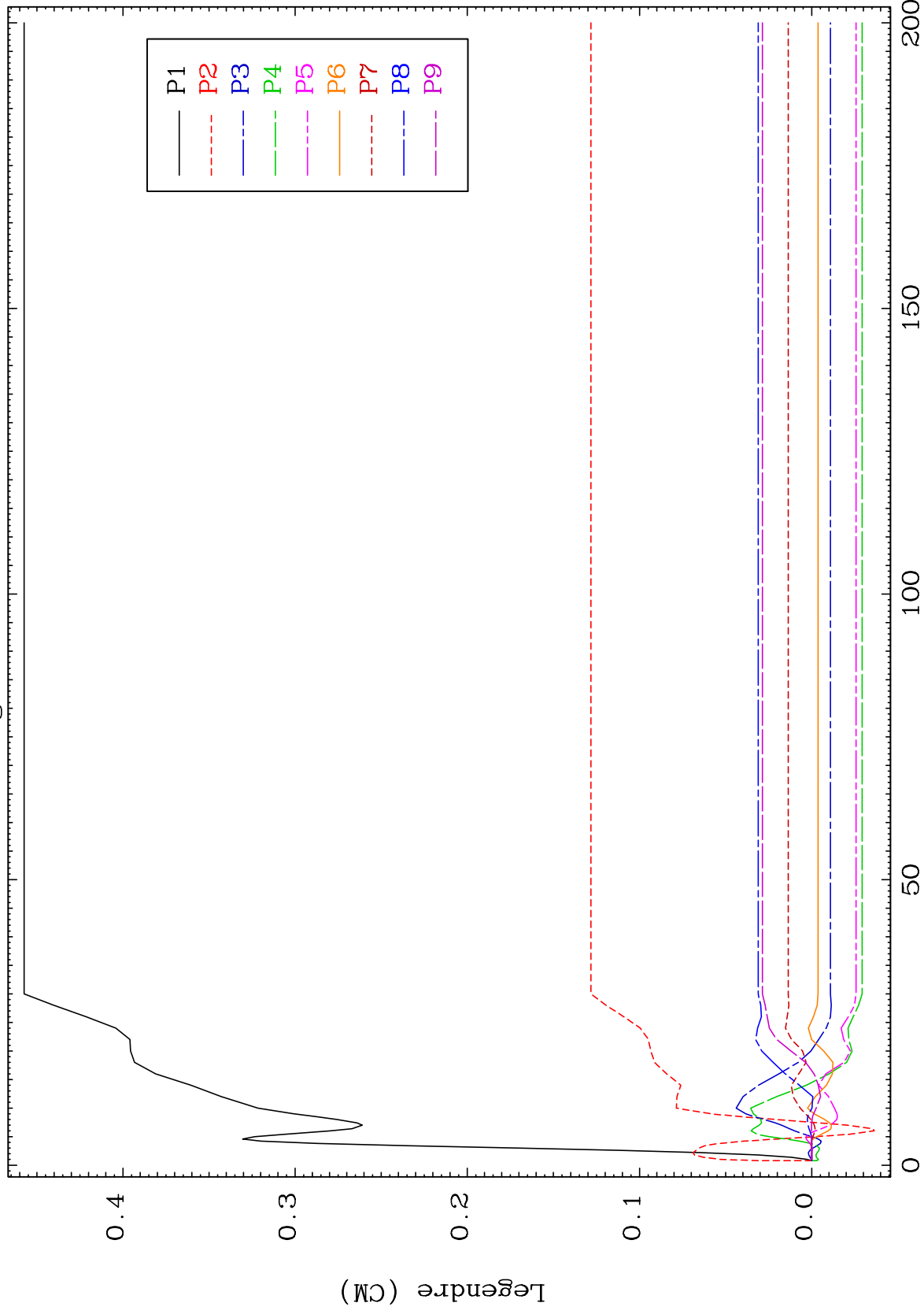
71-Lu-161



MAT 7083

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

71-Lu-161



114

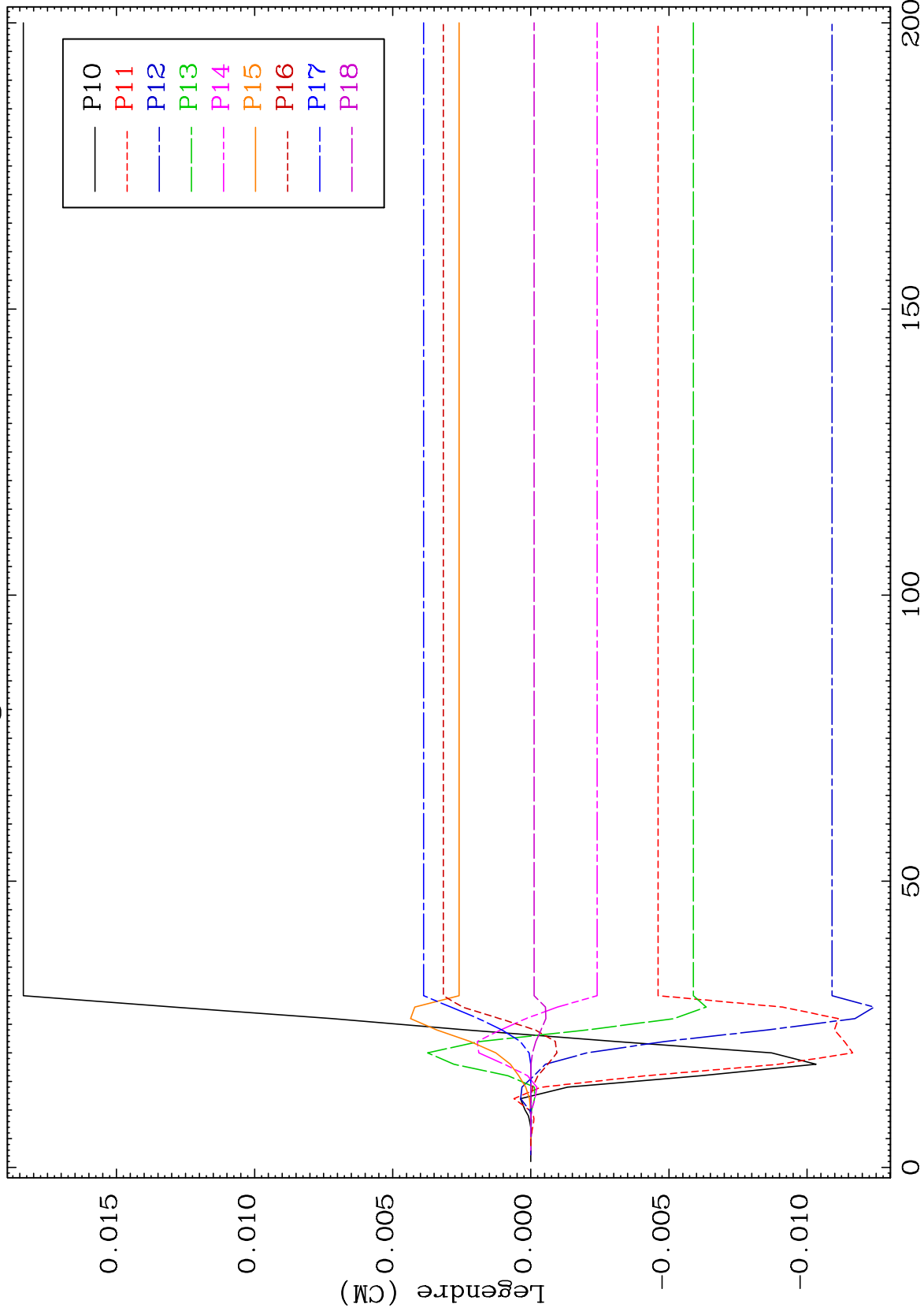
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

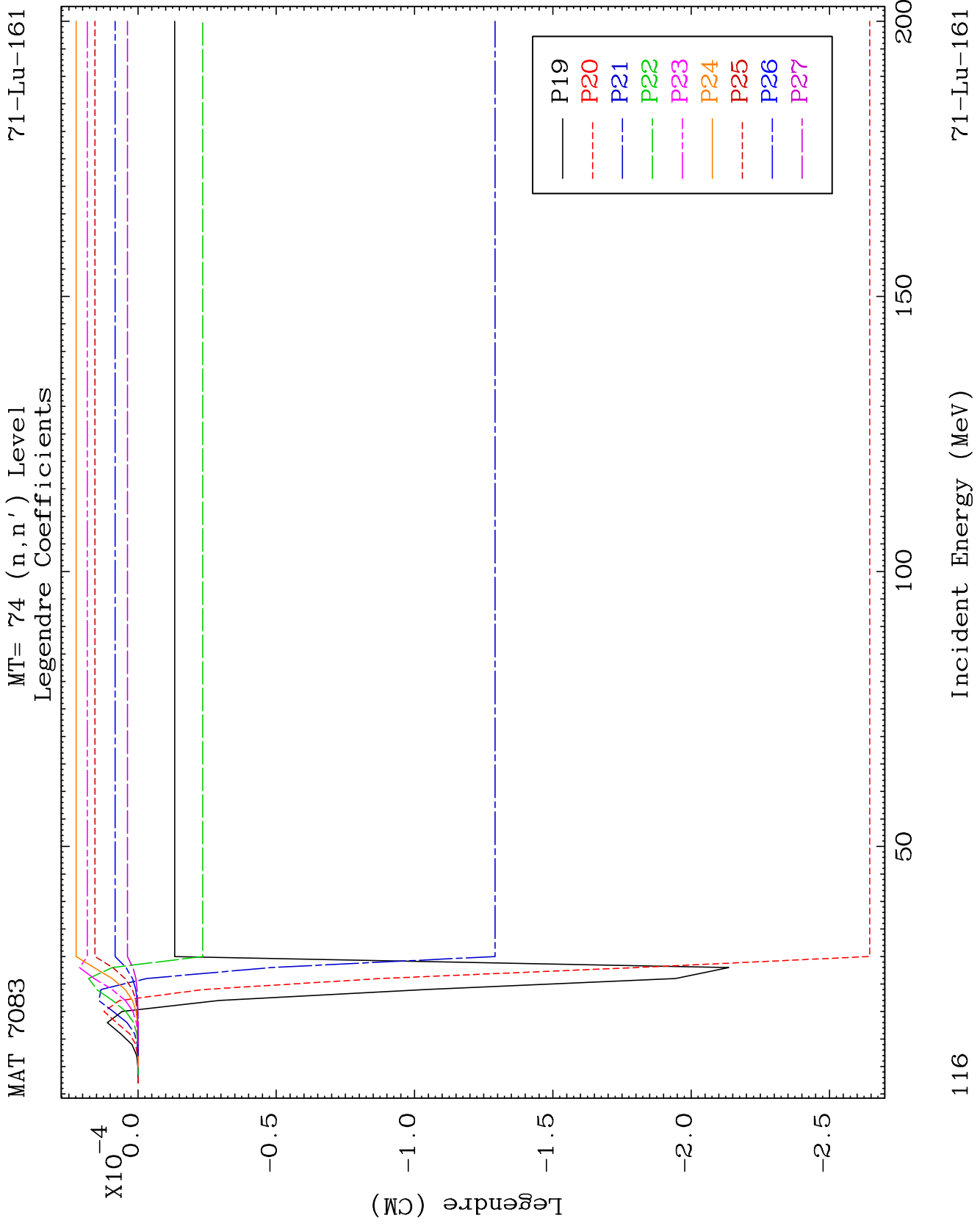
71-Lu-161



115

Incident Energy (MeV)

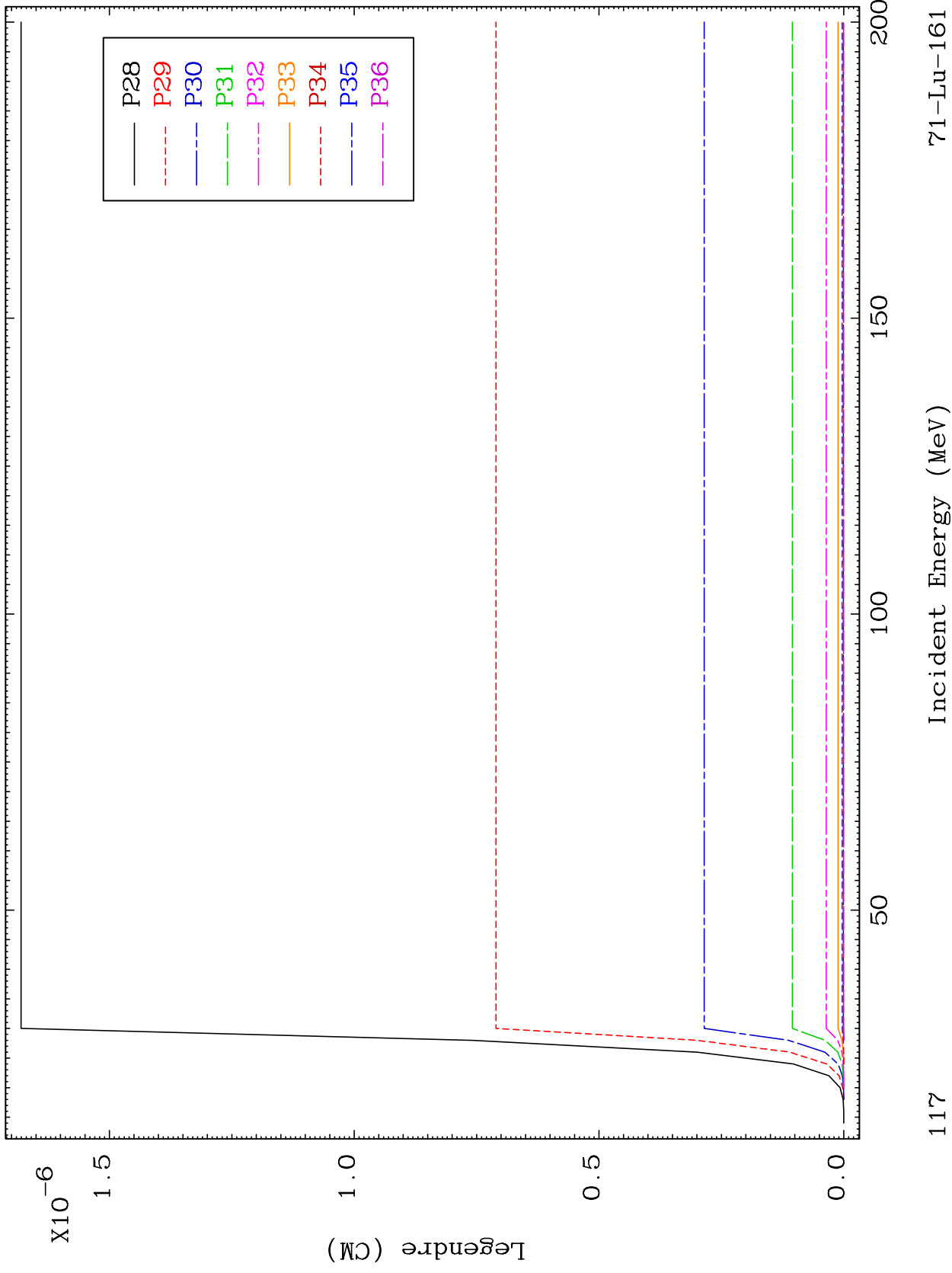
71-Lu-161



MAT 7083

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

71-Lu-161

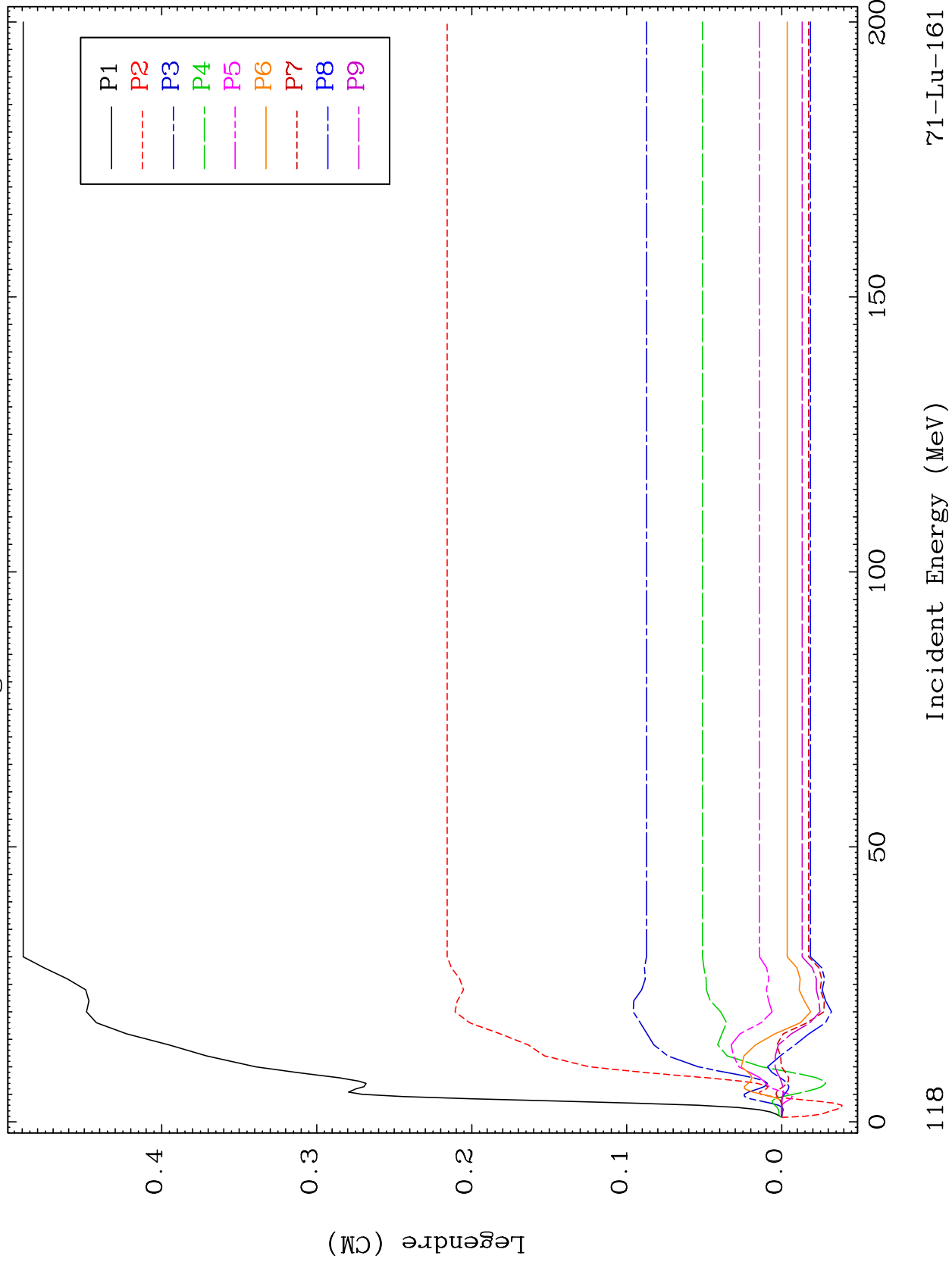


117

MAT 7083

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

71-Lu-161



71-Lu-161

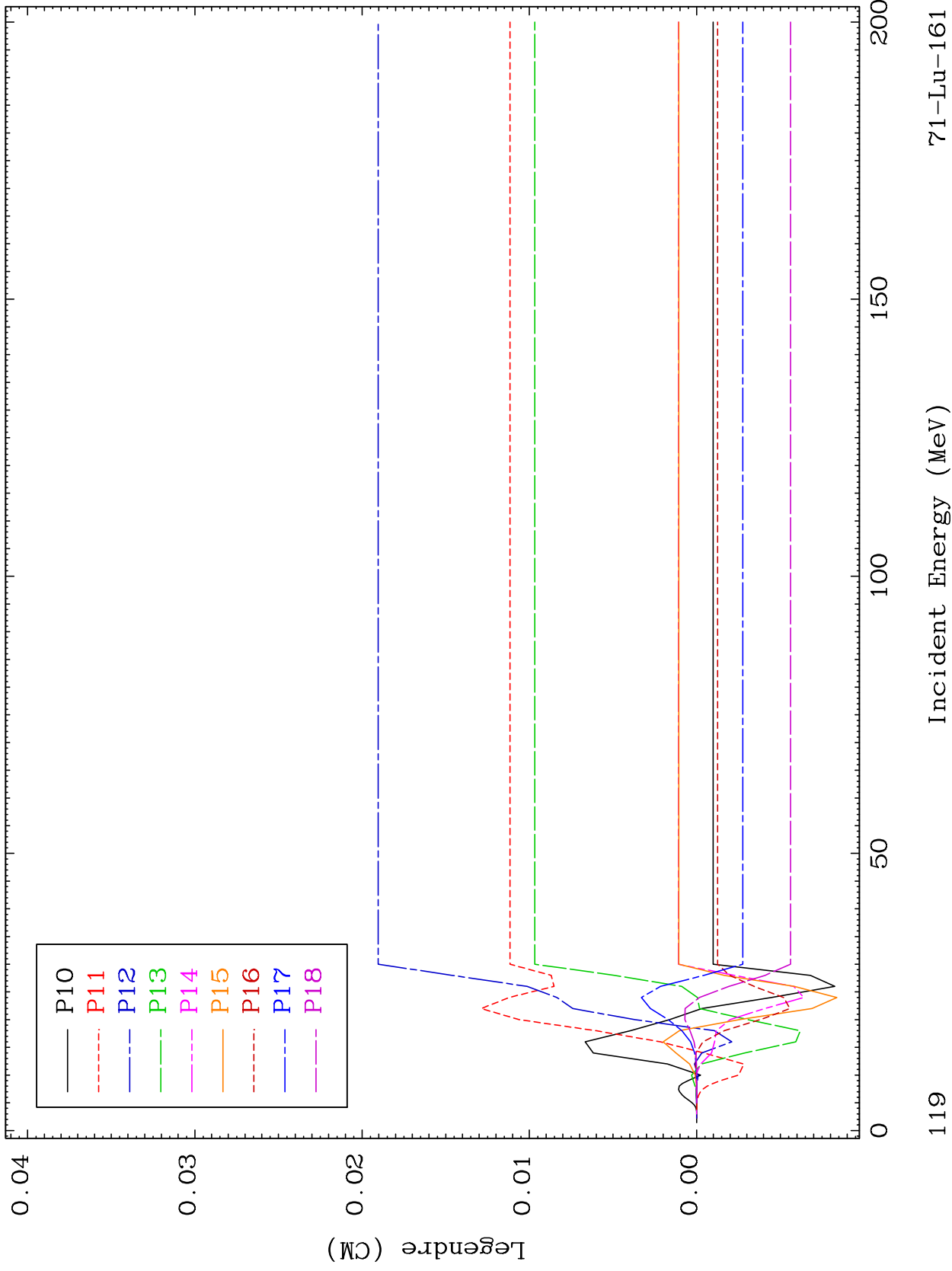
Incident Energy (MeV)

118

MAT 7083

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

71-Lu-161



119

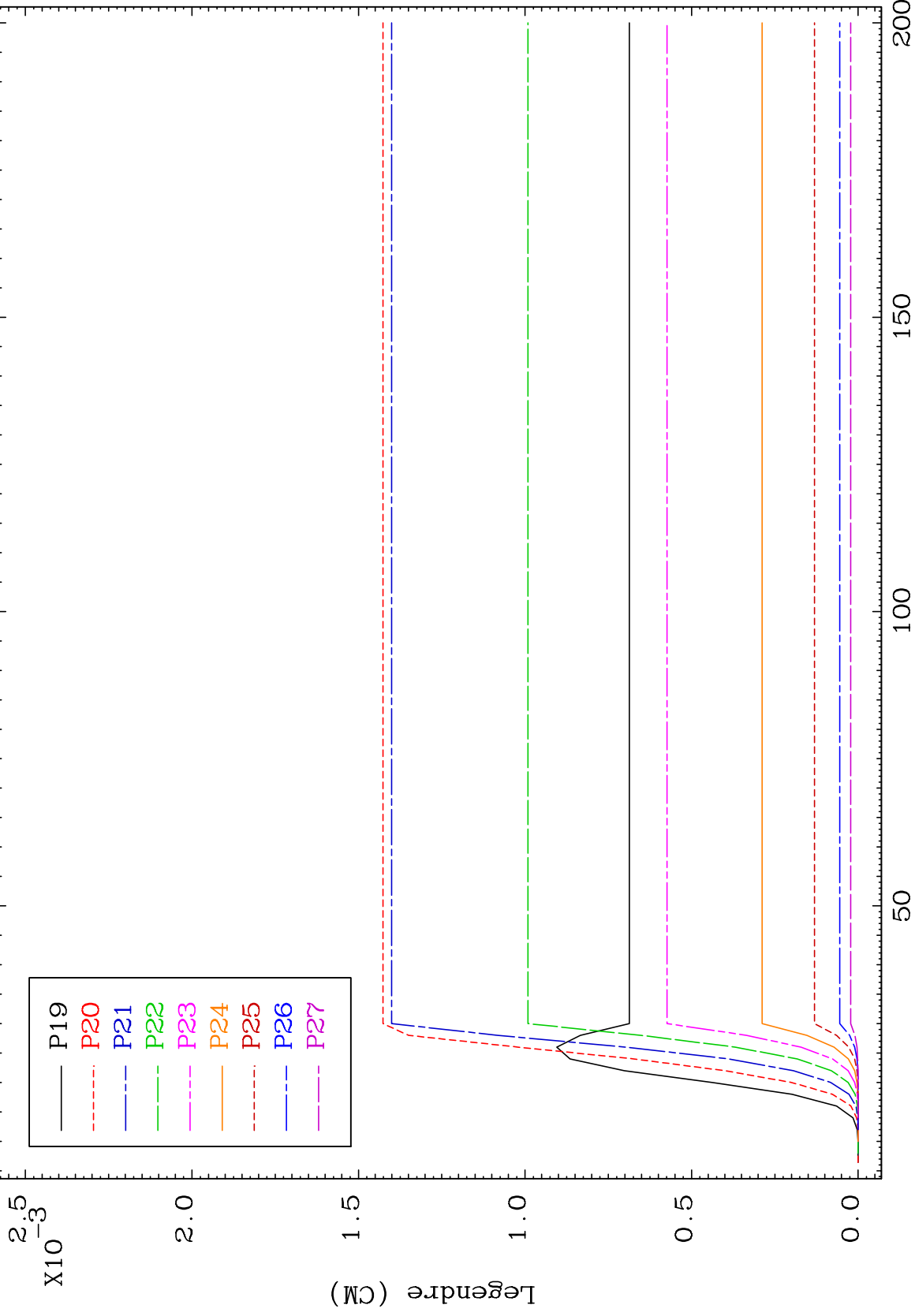
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



120

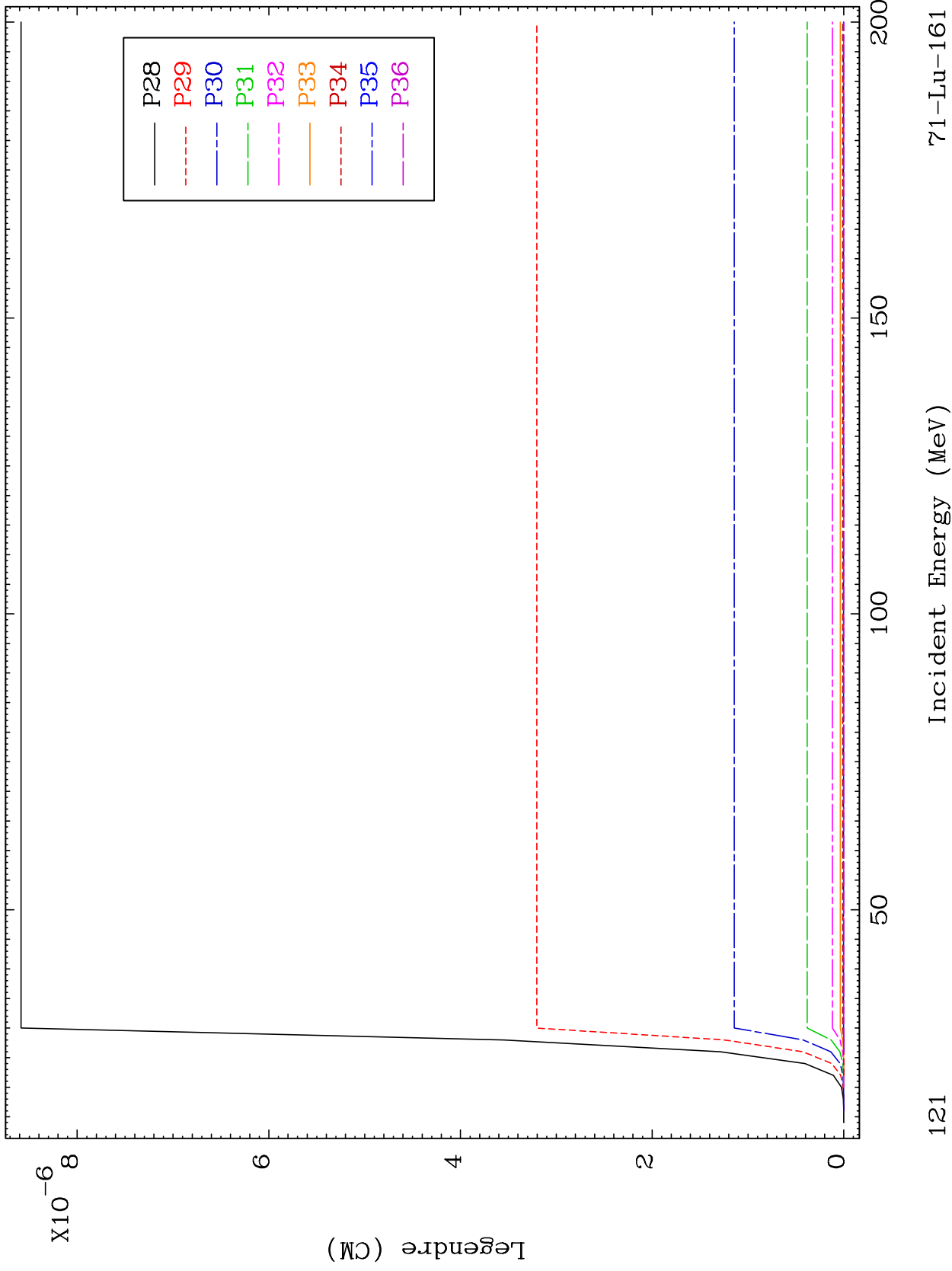
Incident Energy (MeV)

71-Lu-161

MAT 7083

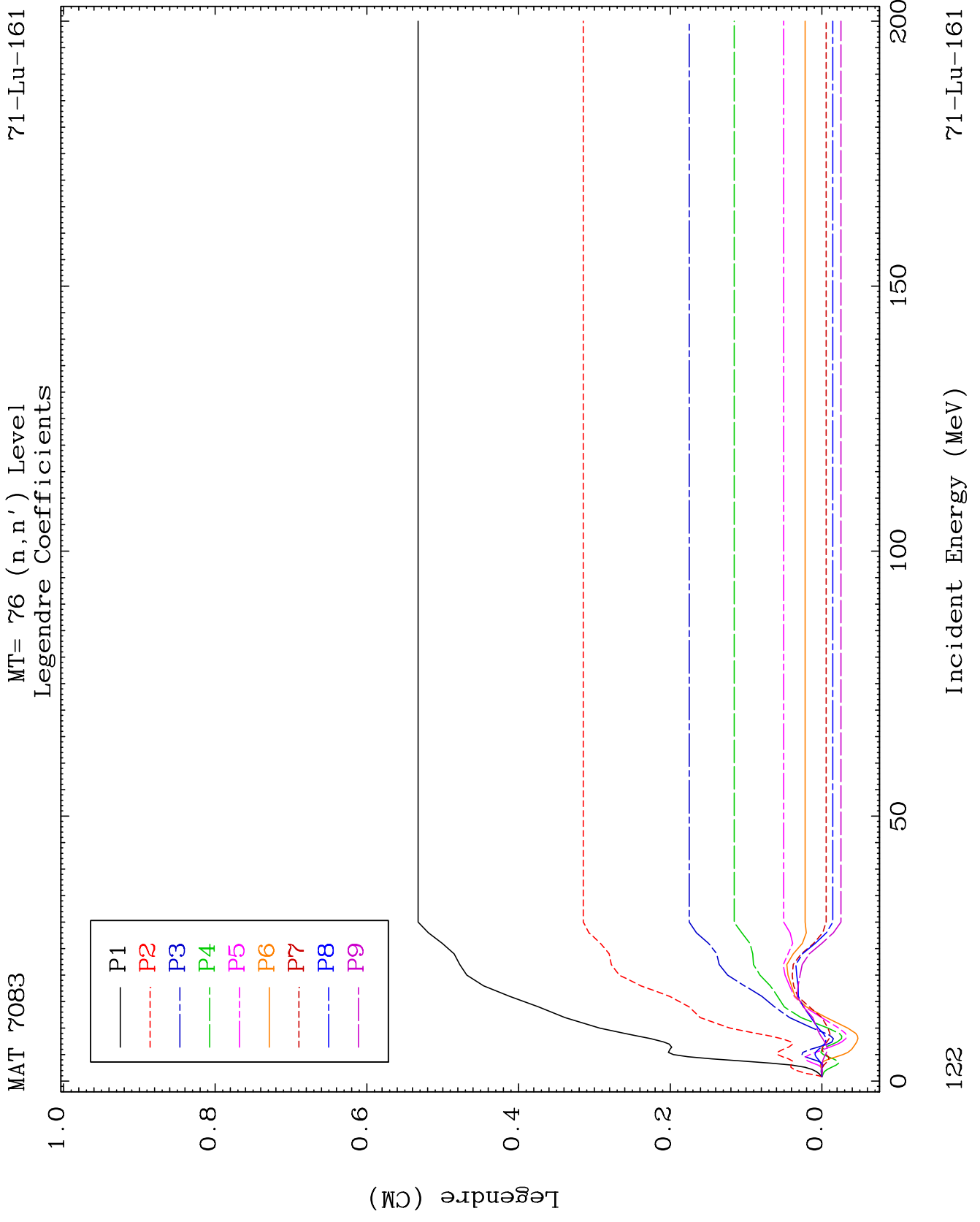
MT= 75 (n,n') Level
Legendre Coefficients

71-Lu-161



121

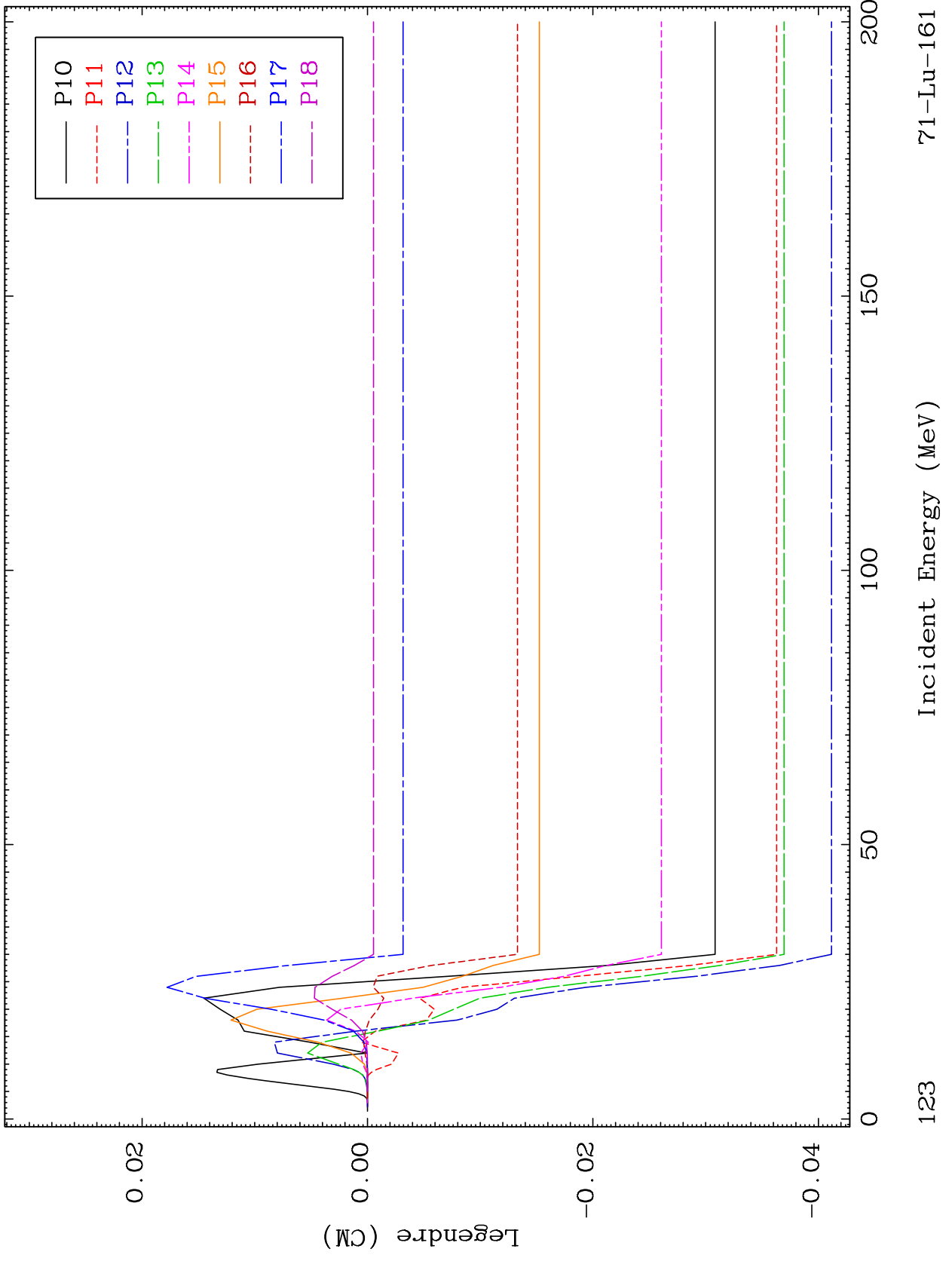
71-Lu-161



MAT 7083

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

71-Lu-161



123

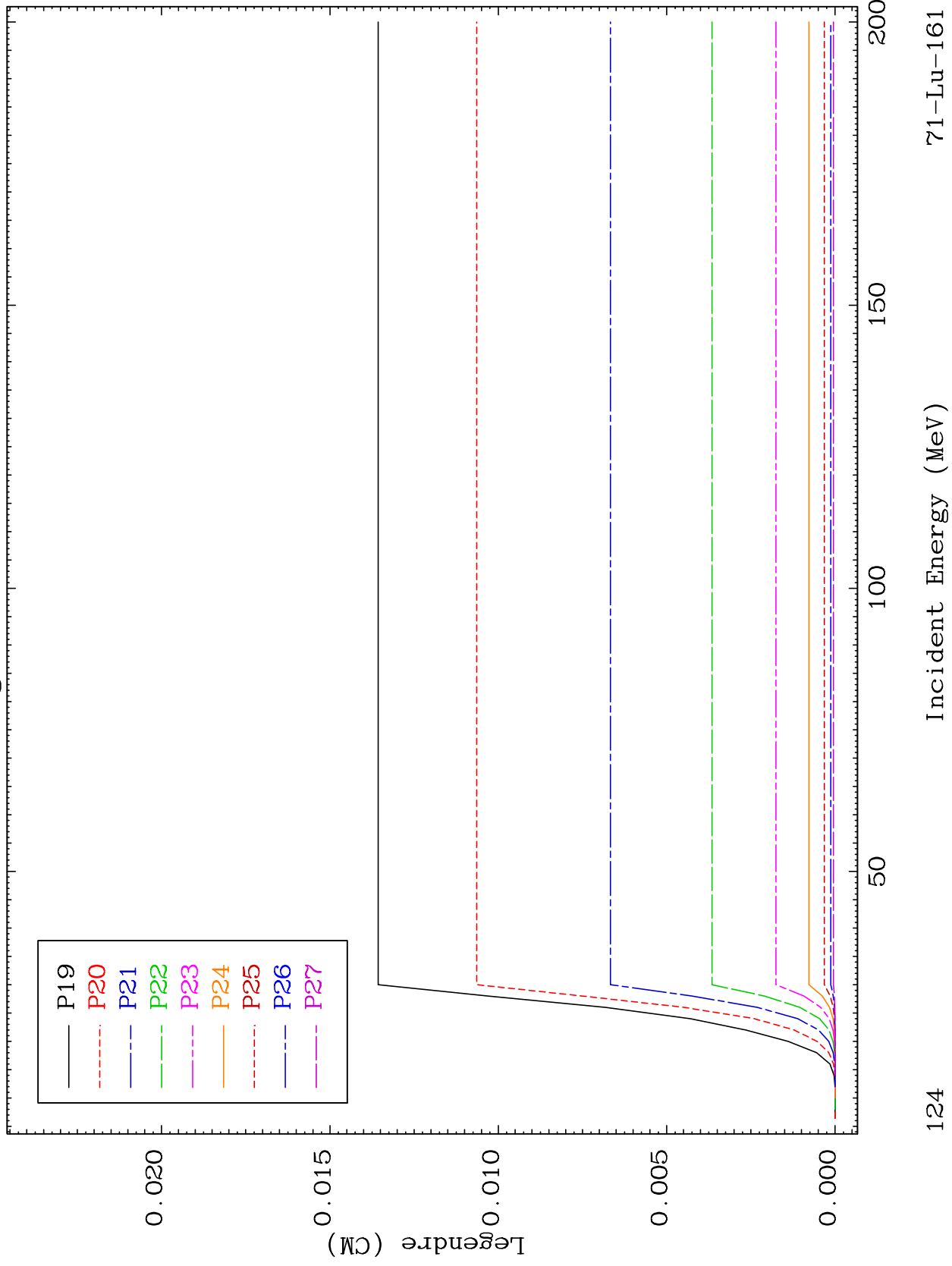
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



124

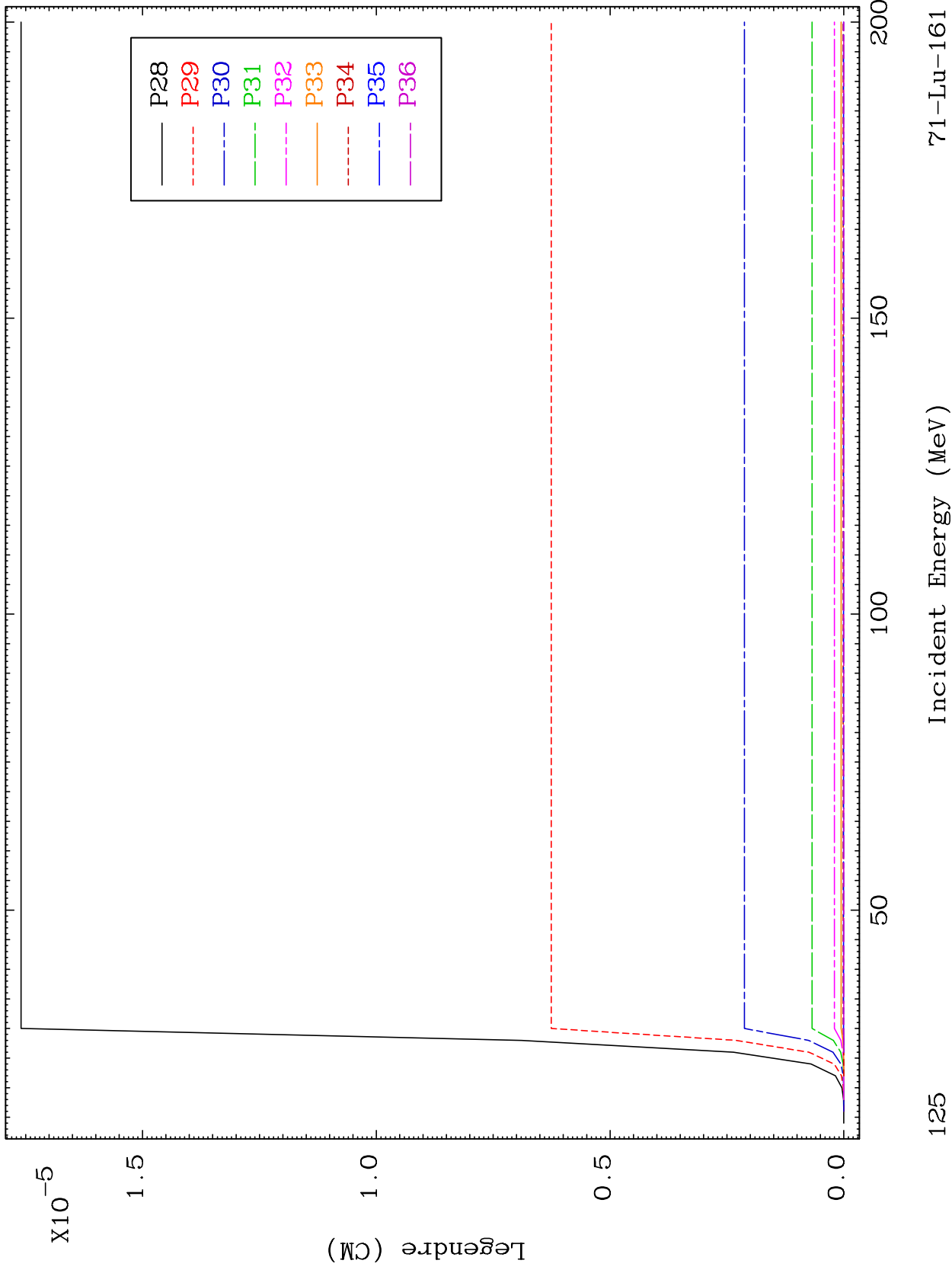
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

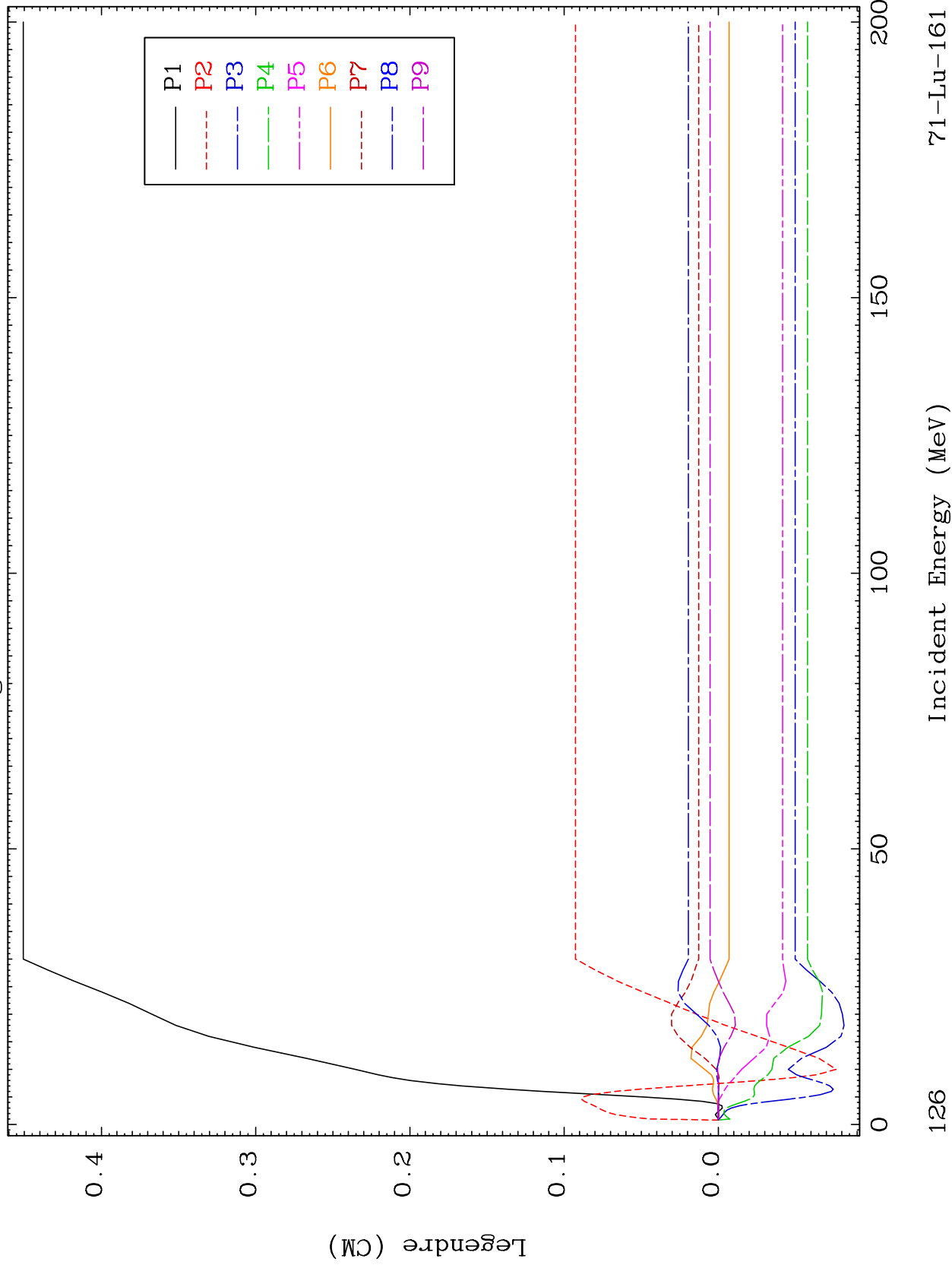
71-Lu-161



MAT 7083

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

71-Lu-161



71-Lu-161

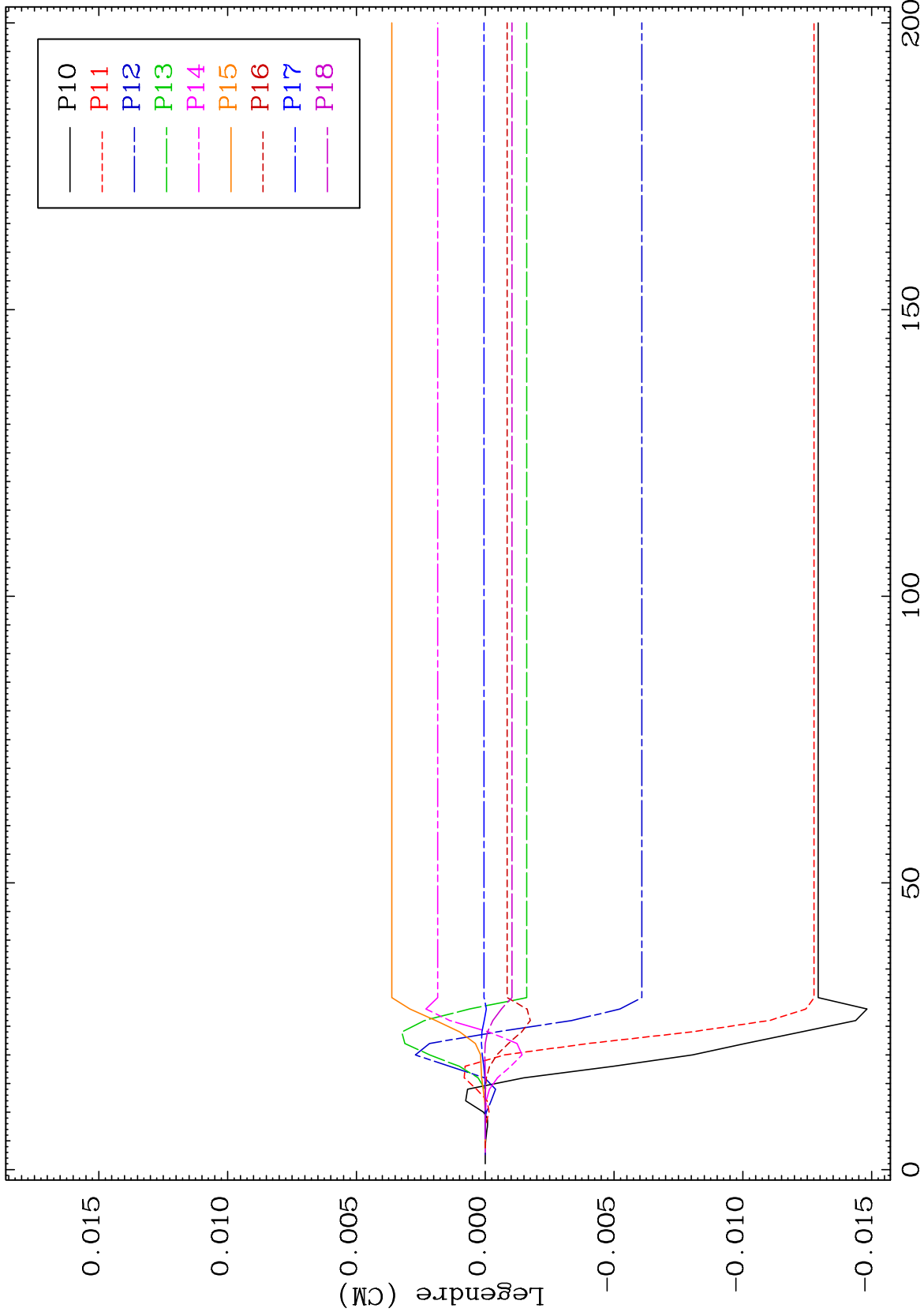
Incident Energy (MeV)

126

MAT 7083

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

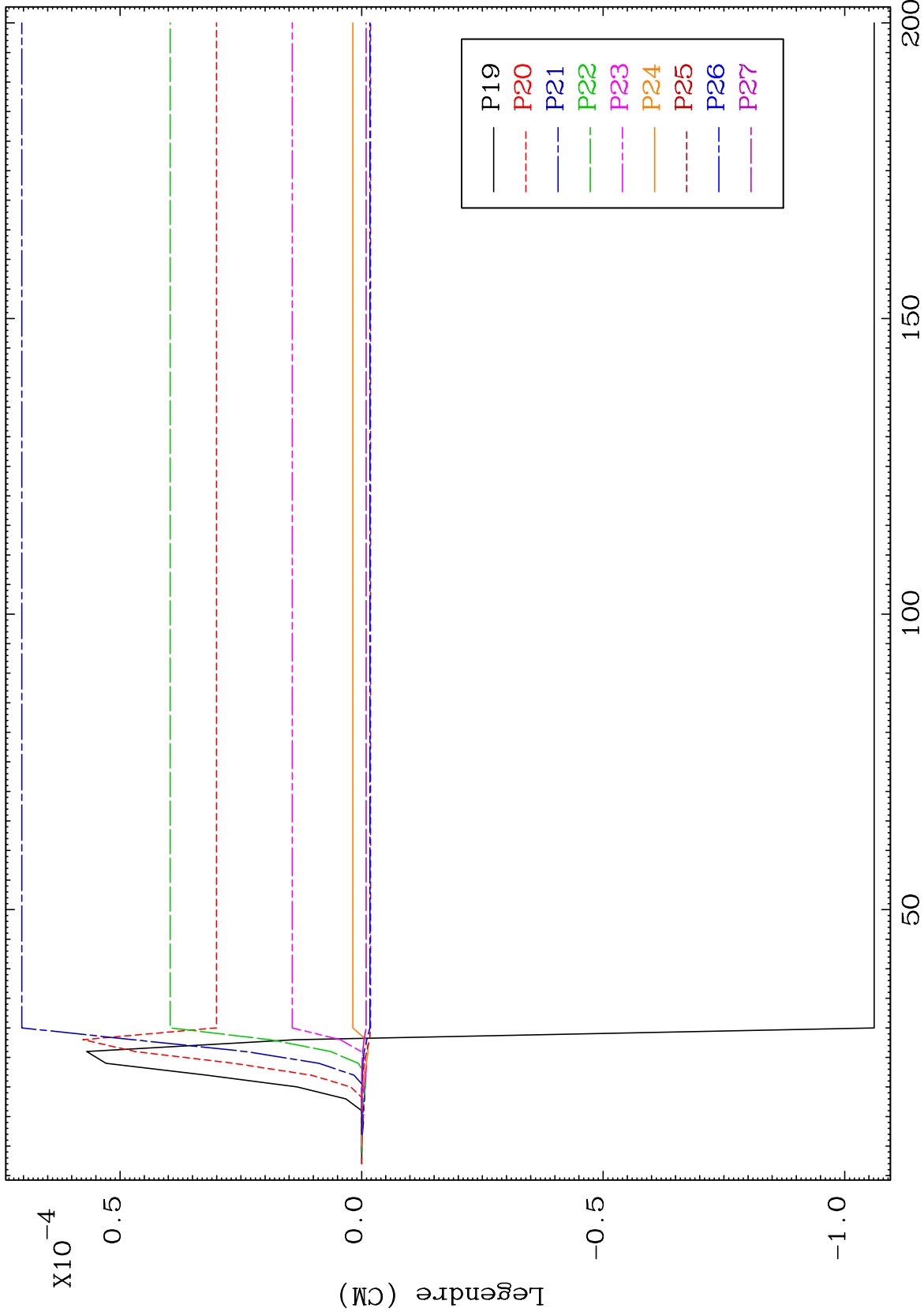
71-Lu-161

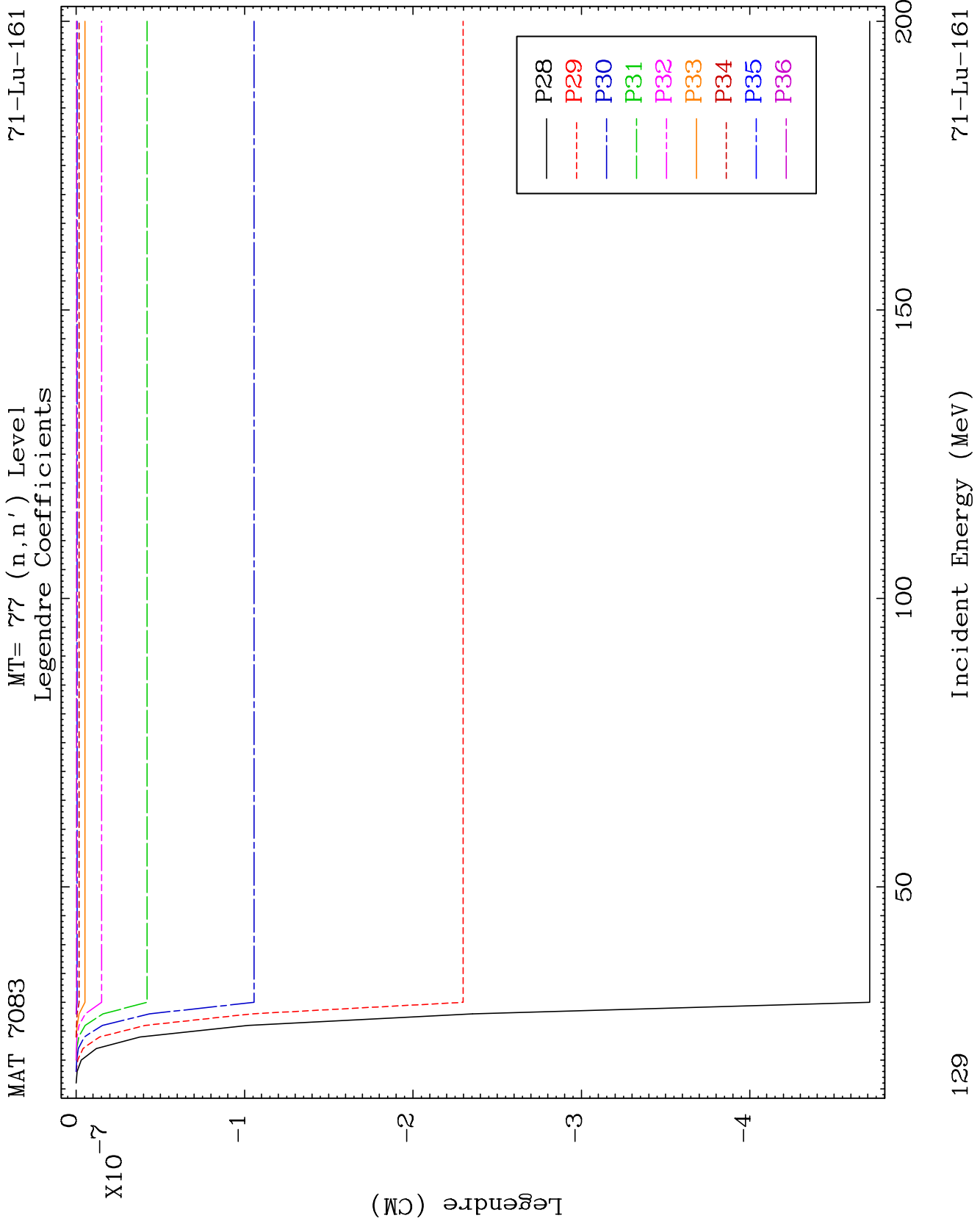


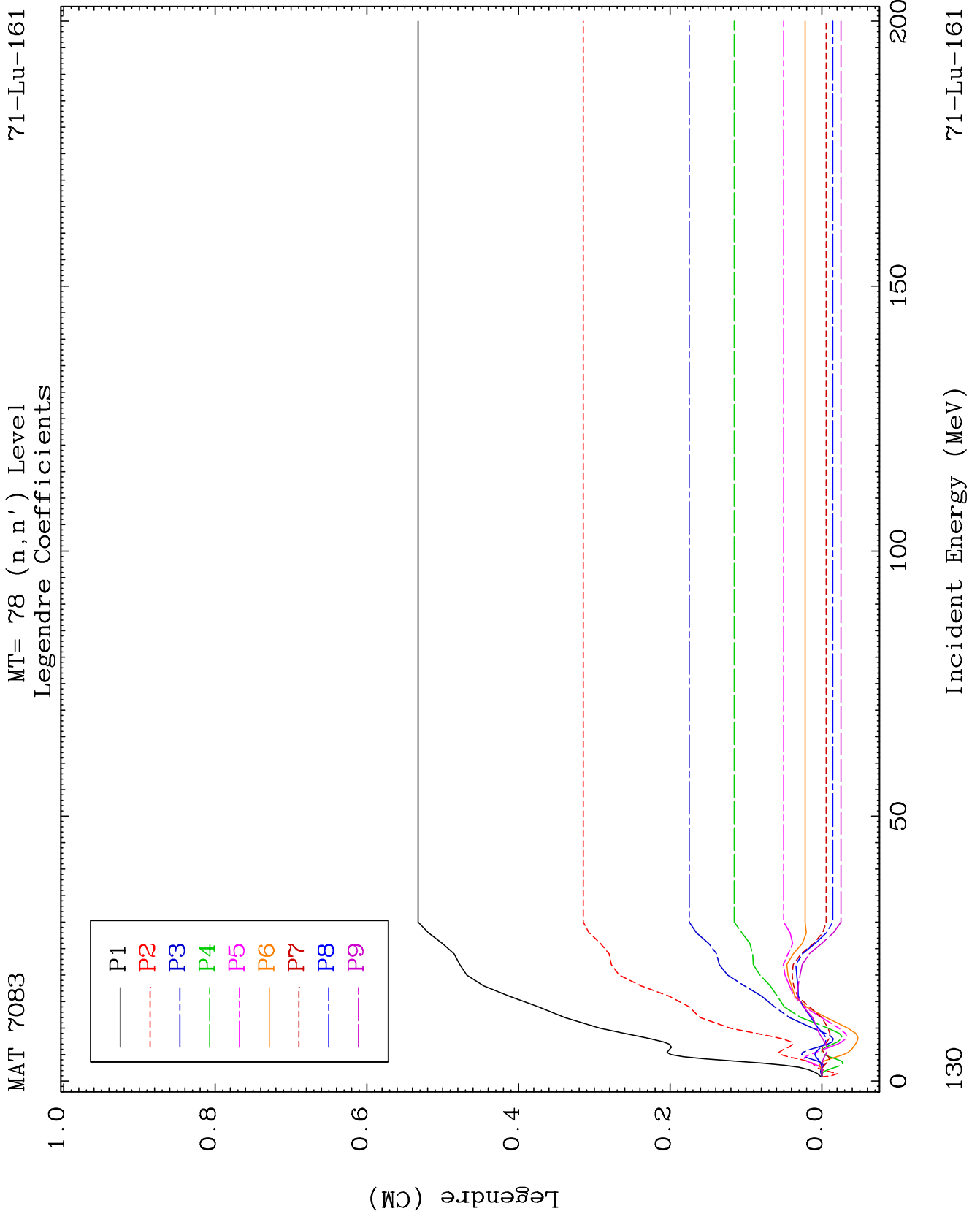
127

Incident Energy (MeV)

71-Lu-161



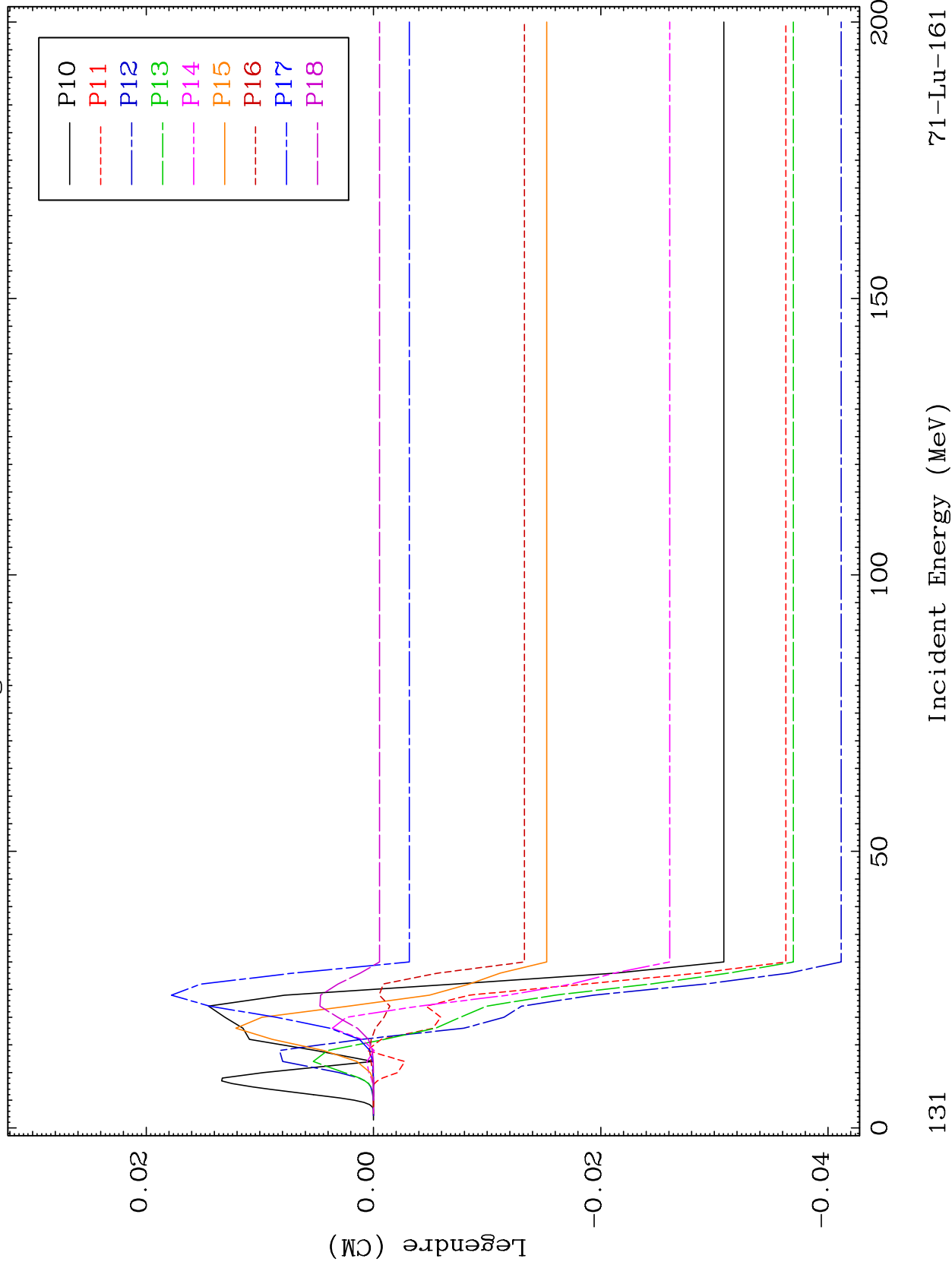




MAT 7083

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

71-Lu-161



131

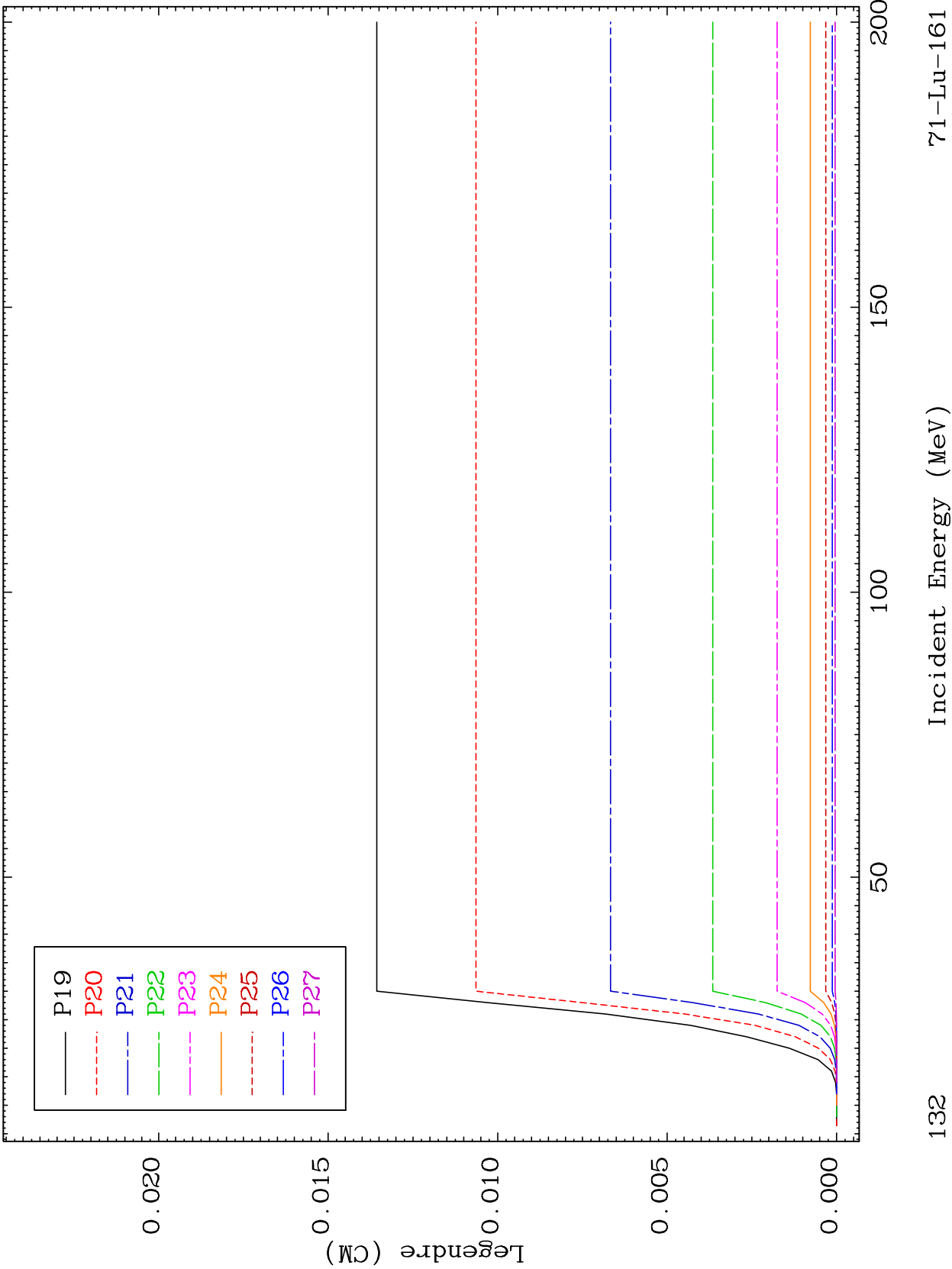
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

71-Lu-161



132

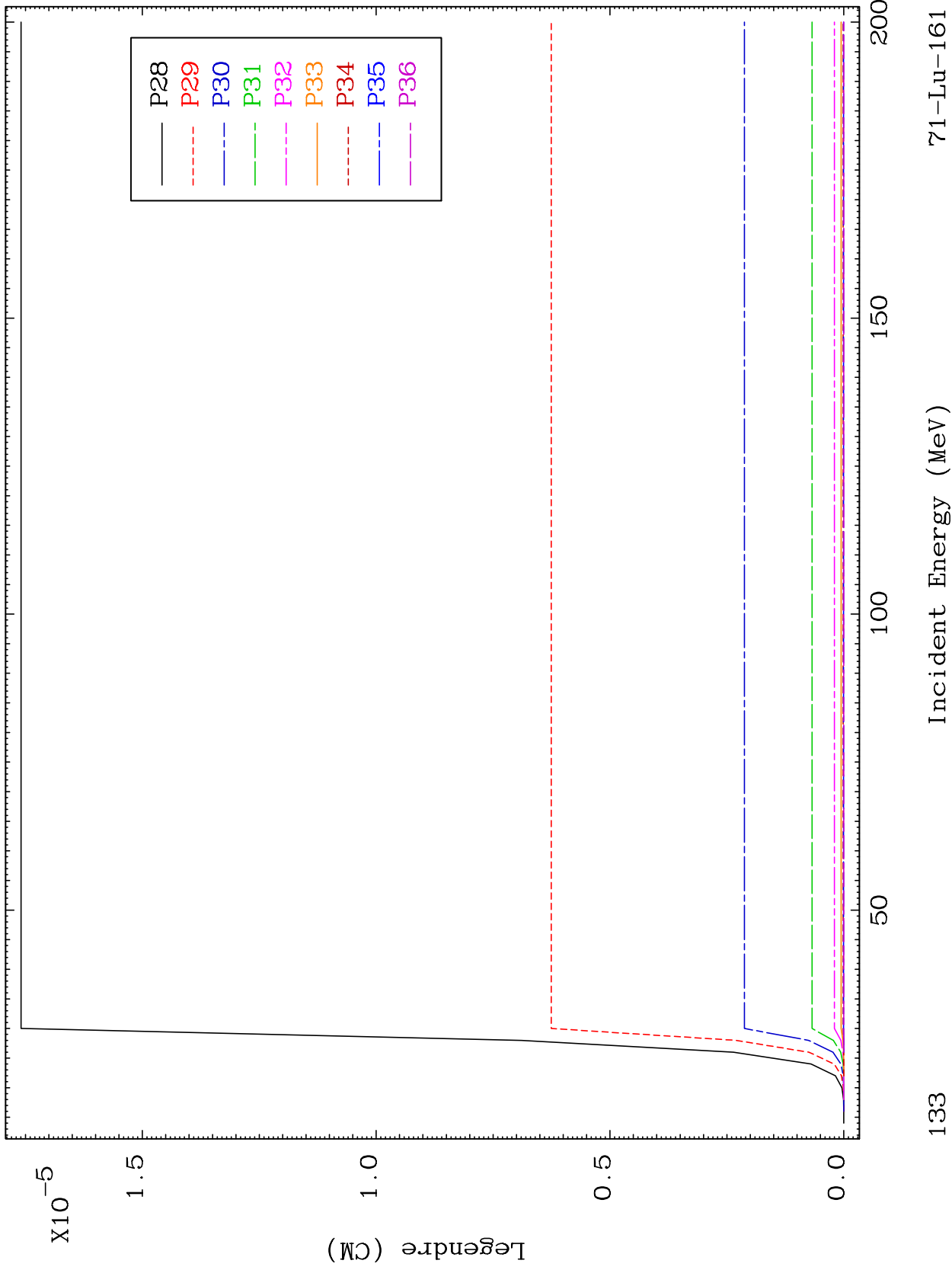
Incident Energy (MeV)

71-Lu-161

MAT 7083

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

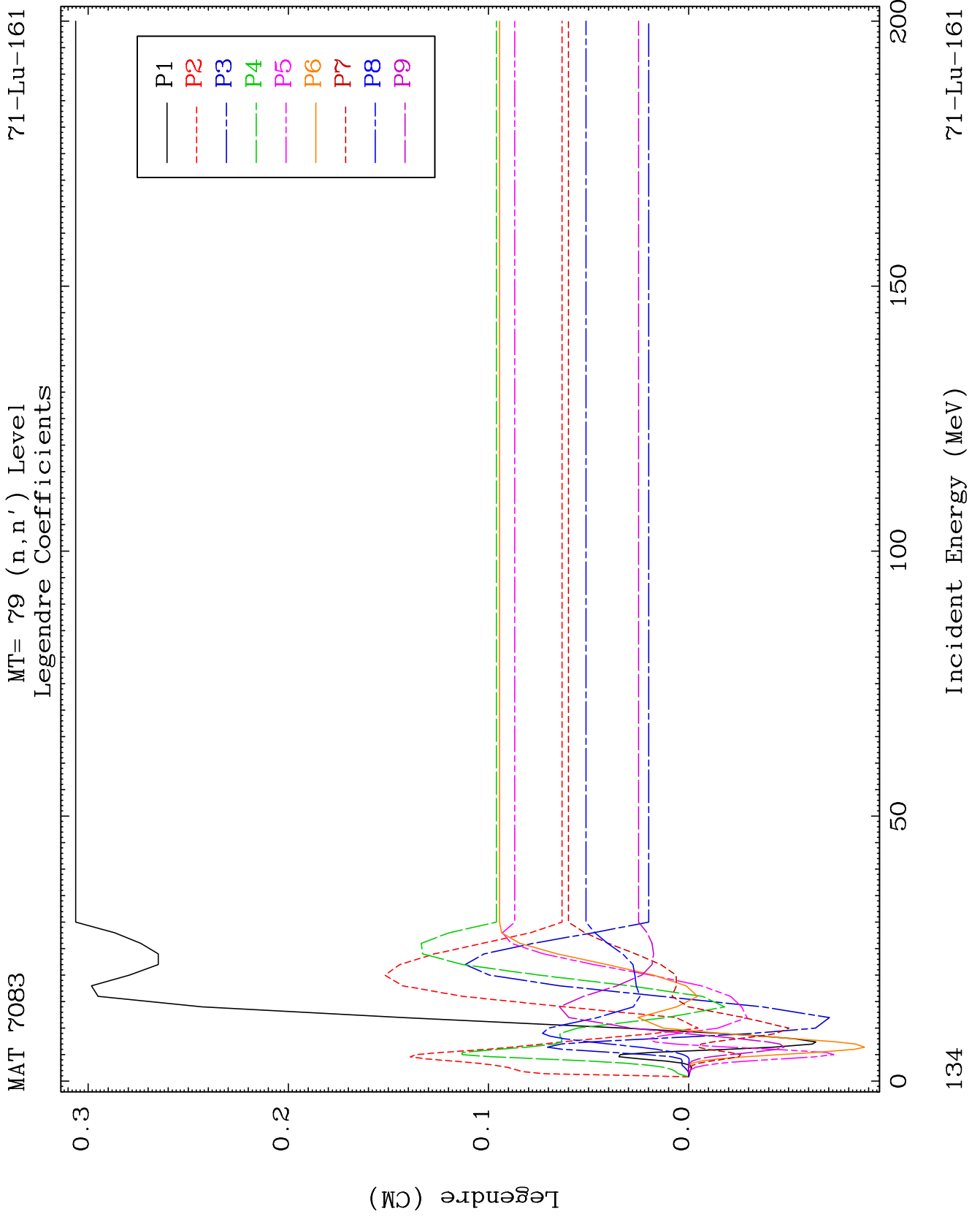
71-Lu-161



133

Incident Energy (MeV)

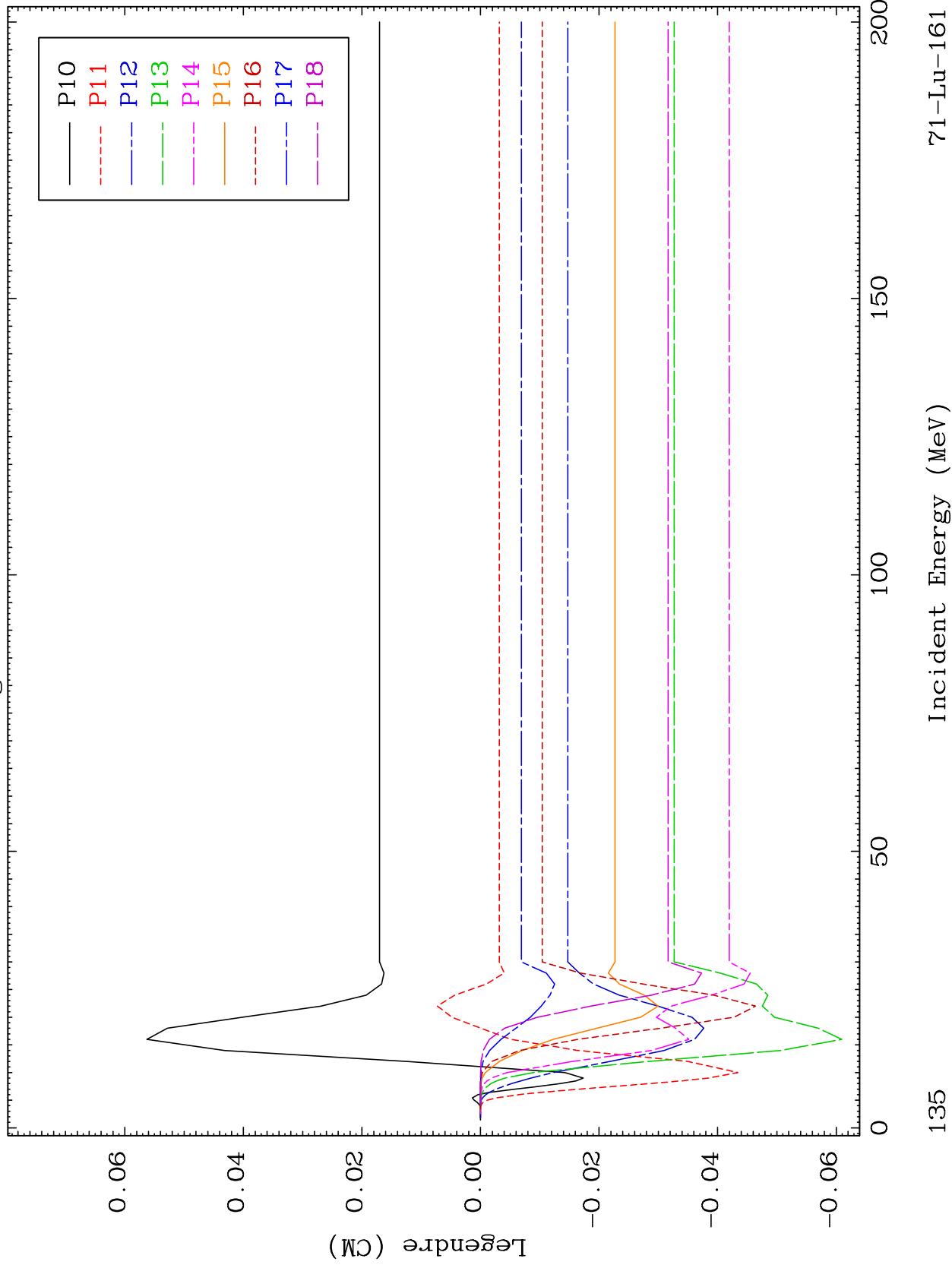
71-Lu-161



MAT 7083

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

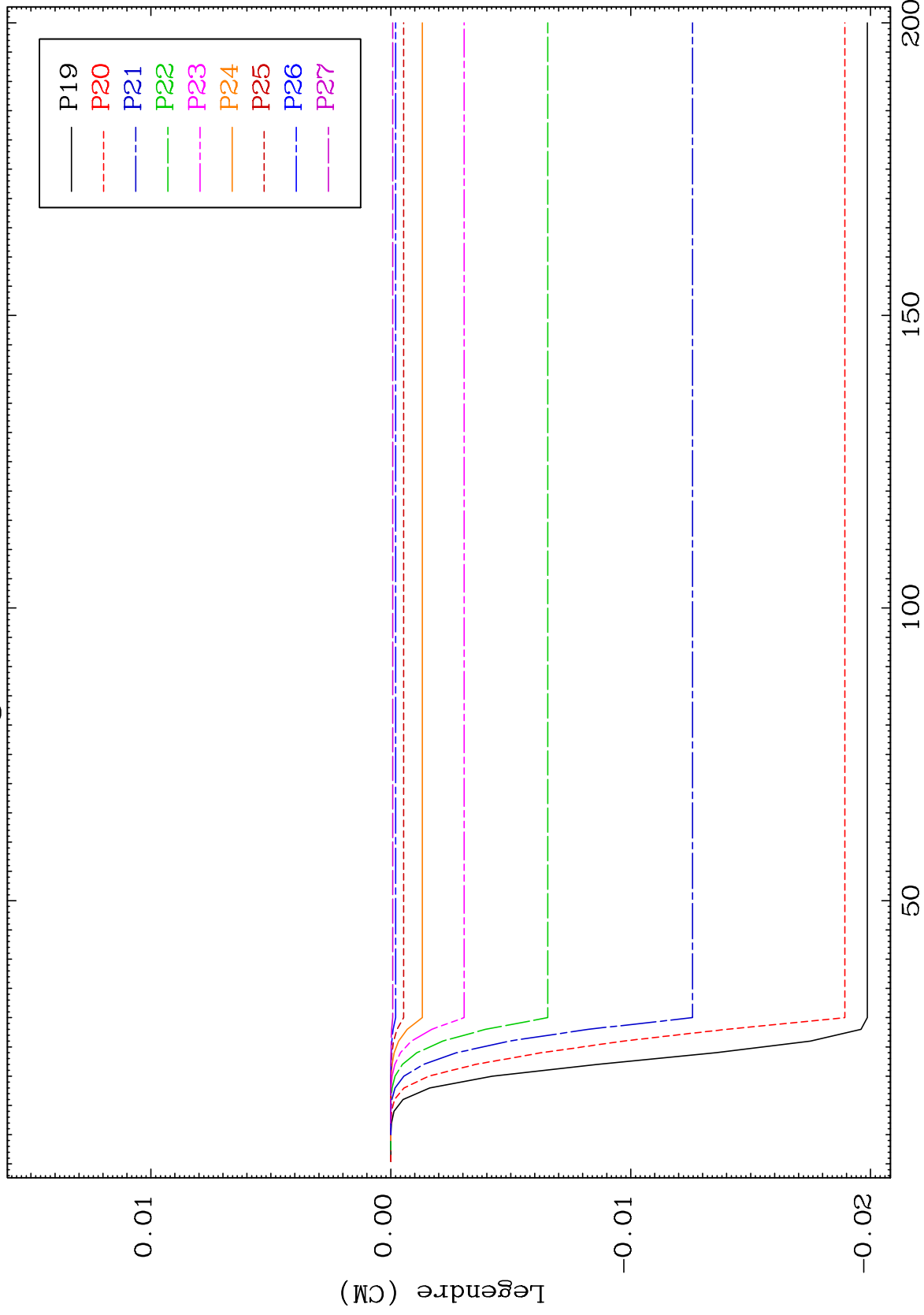
71-Lu-161



MAT 7083

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

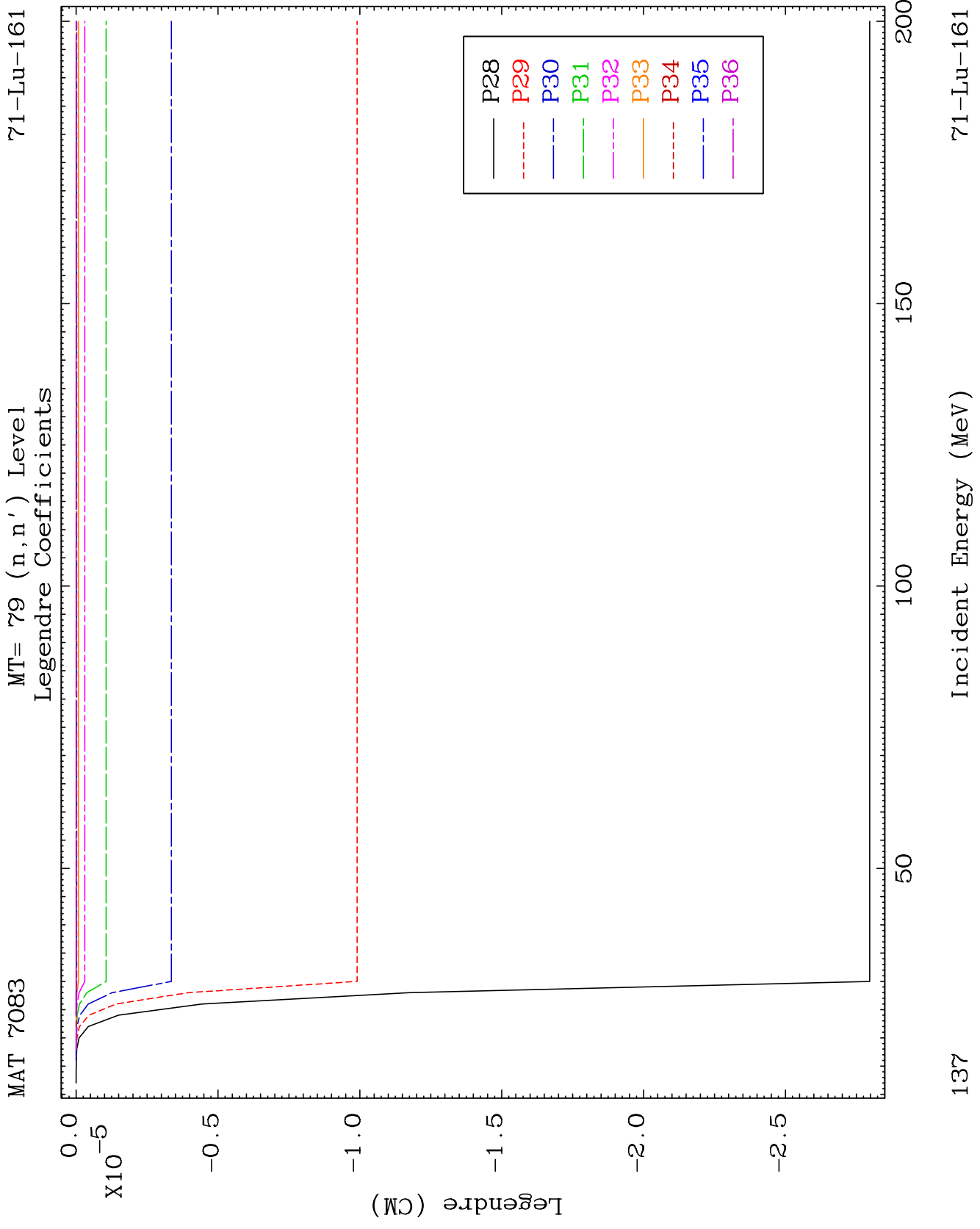
71-Lu-161



136

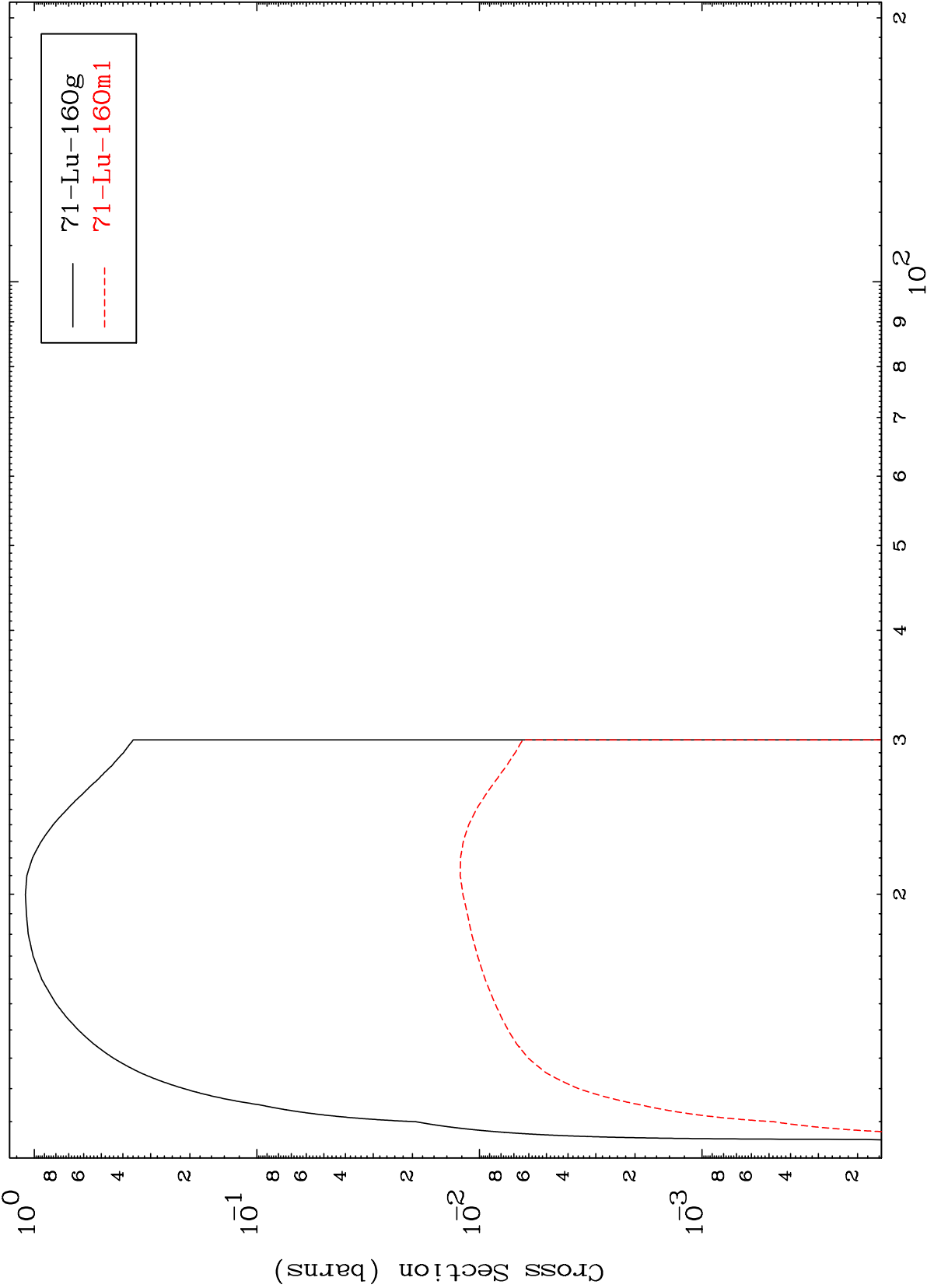
Incident Energy (MeV)

71-Lu-161



(n,2n)

Radionuclide Production Cross Section



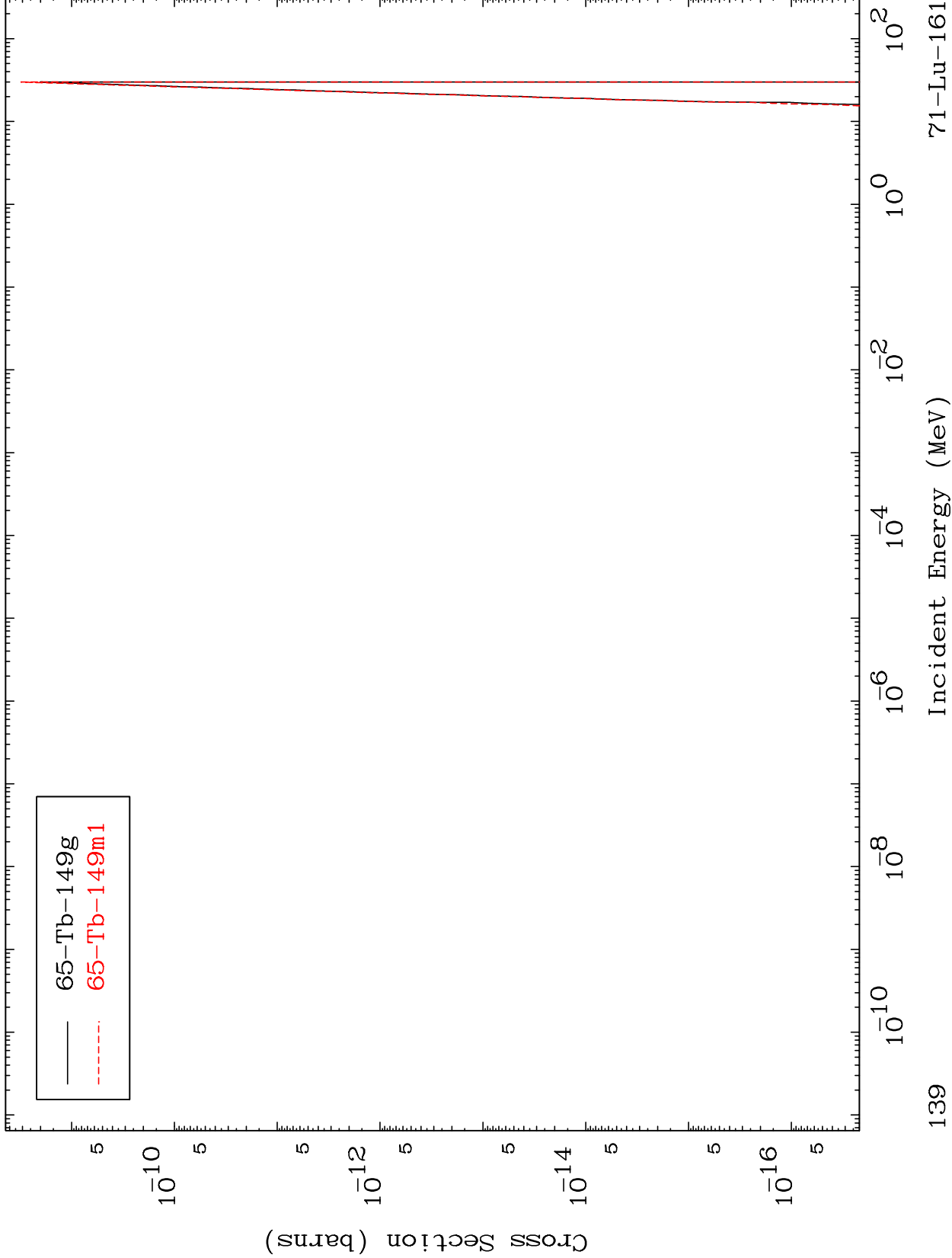
71-Lu-160g
71-Lu-160m1

MAT 7083

(n,n') 3 α

71-Lu-161

Radionuclide Production Cross Section

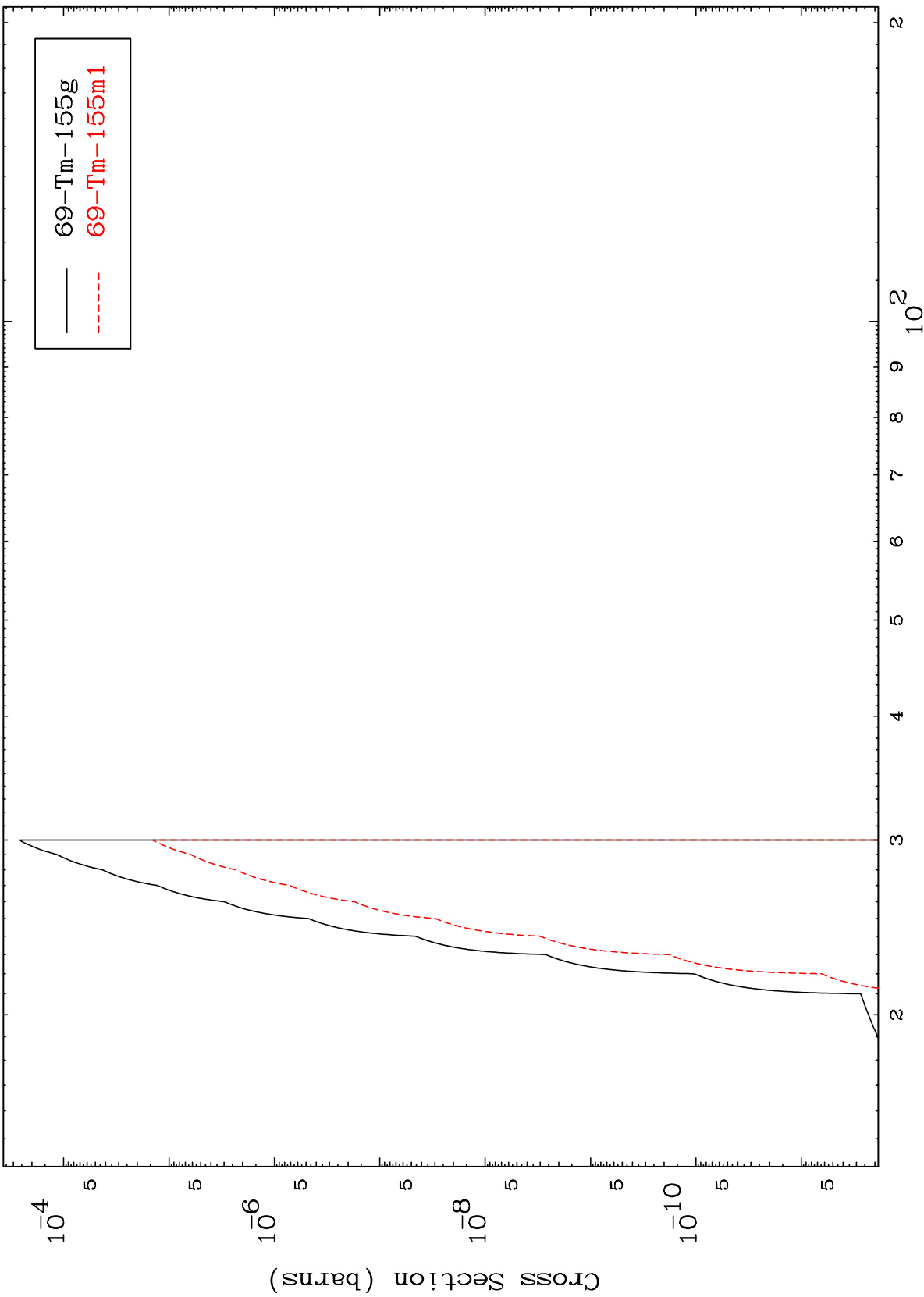


MAT 7083

(n,3n) α

71-Lu-161

Radionuclide Production Cross Section



140

Incident Energy (MeV)

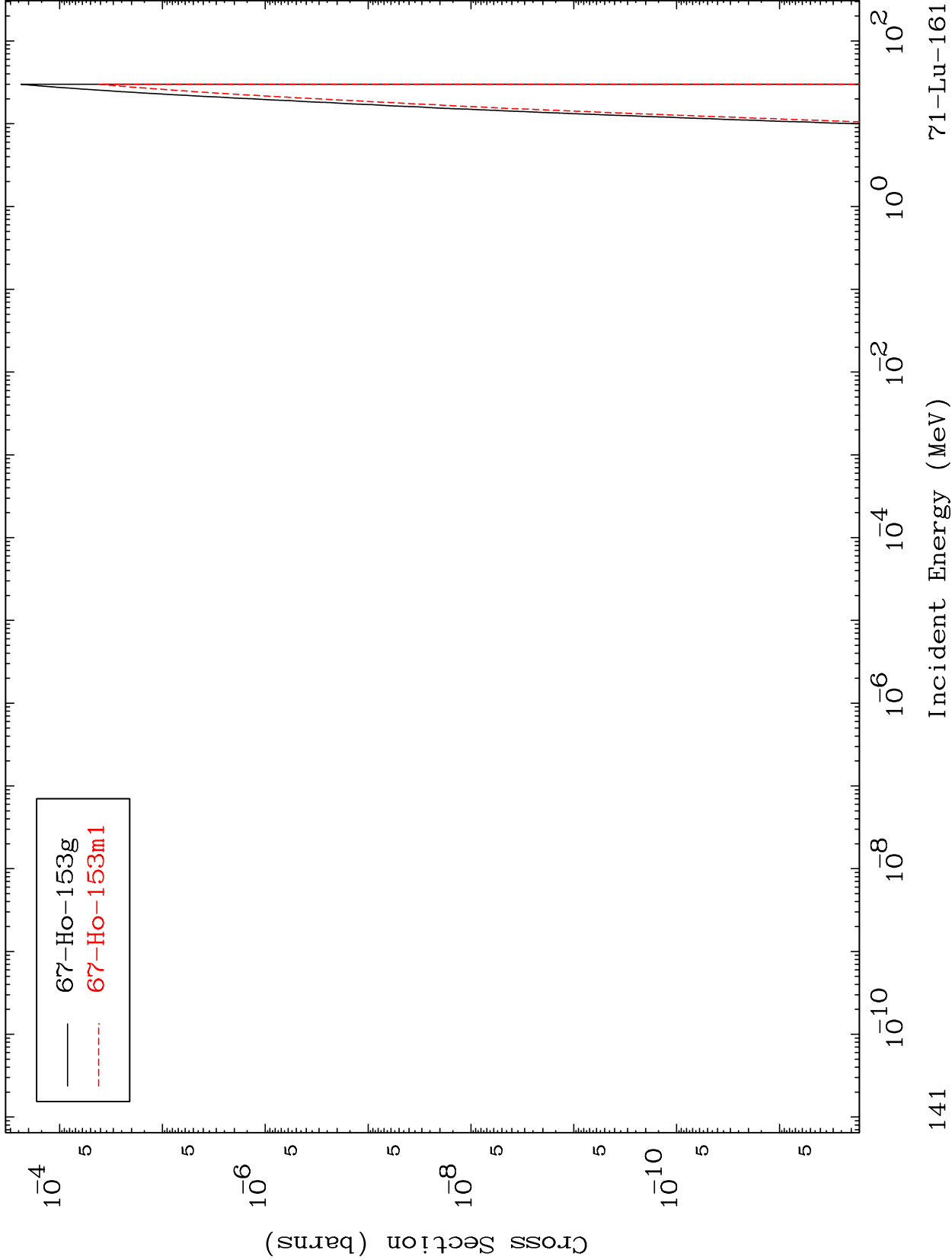
71-Lu-161

MAT 7083

(n,n') 2 α

71-Lu-161

Radionuclide Production Cross Section



141

Incident Energy (MeV)

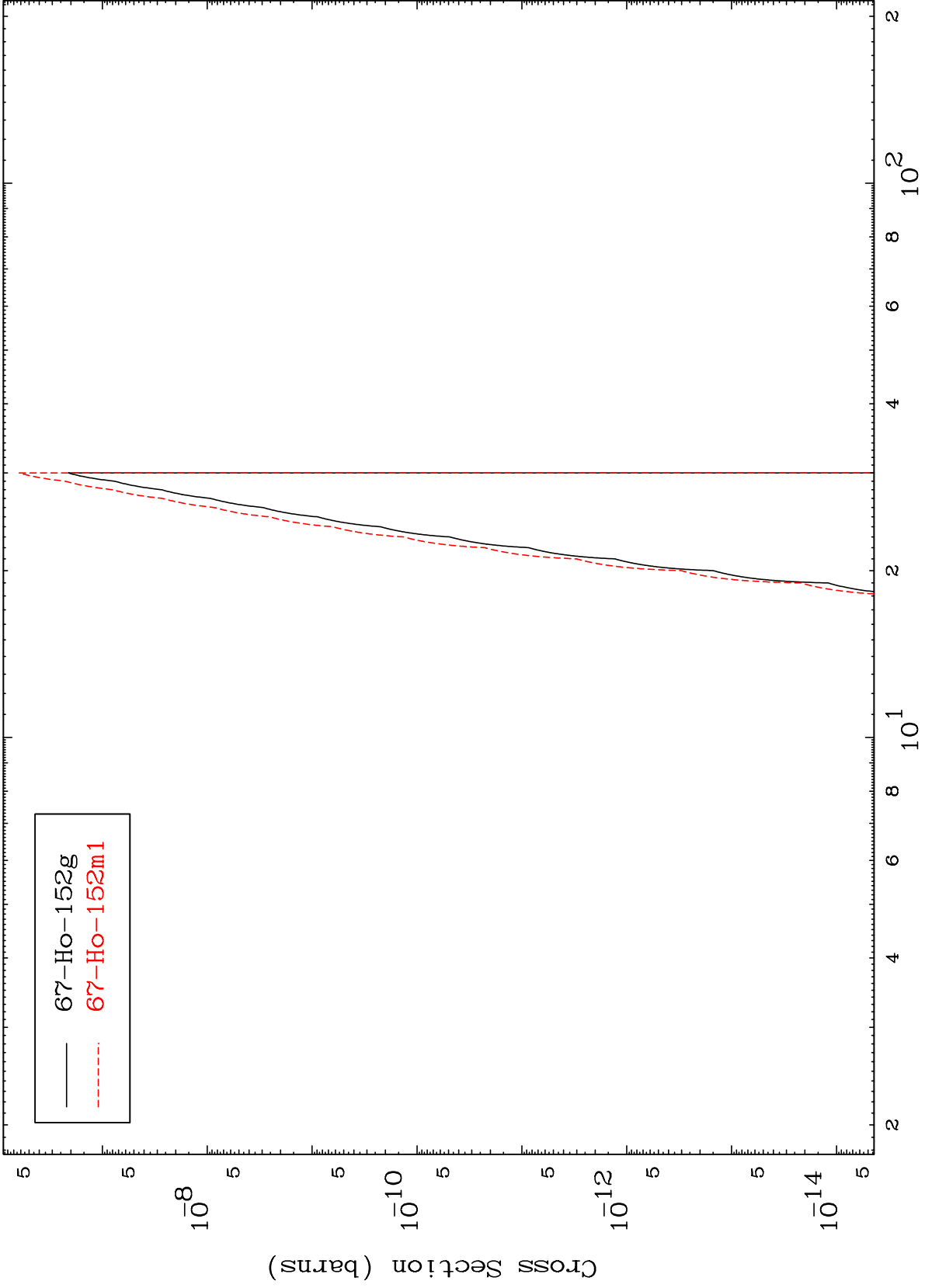
71-Lu-161

MAT 7083

^{67}Lu

^{161}Lu

Radionuclide Production Cross Section



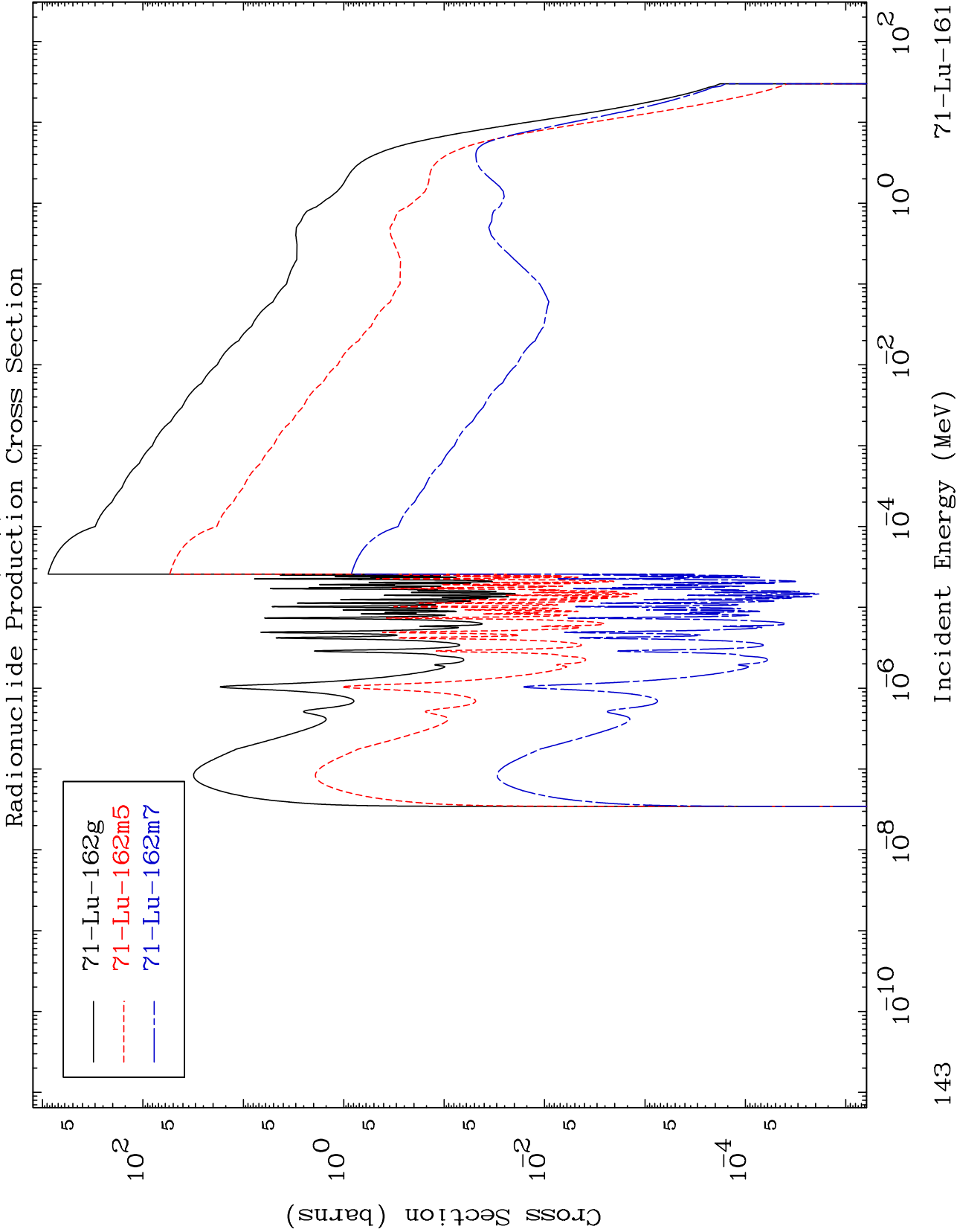
142

Incident Energy (MeV)

^{161}Lu

MAT 7083

⁷¹Lu-161

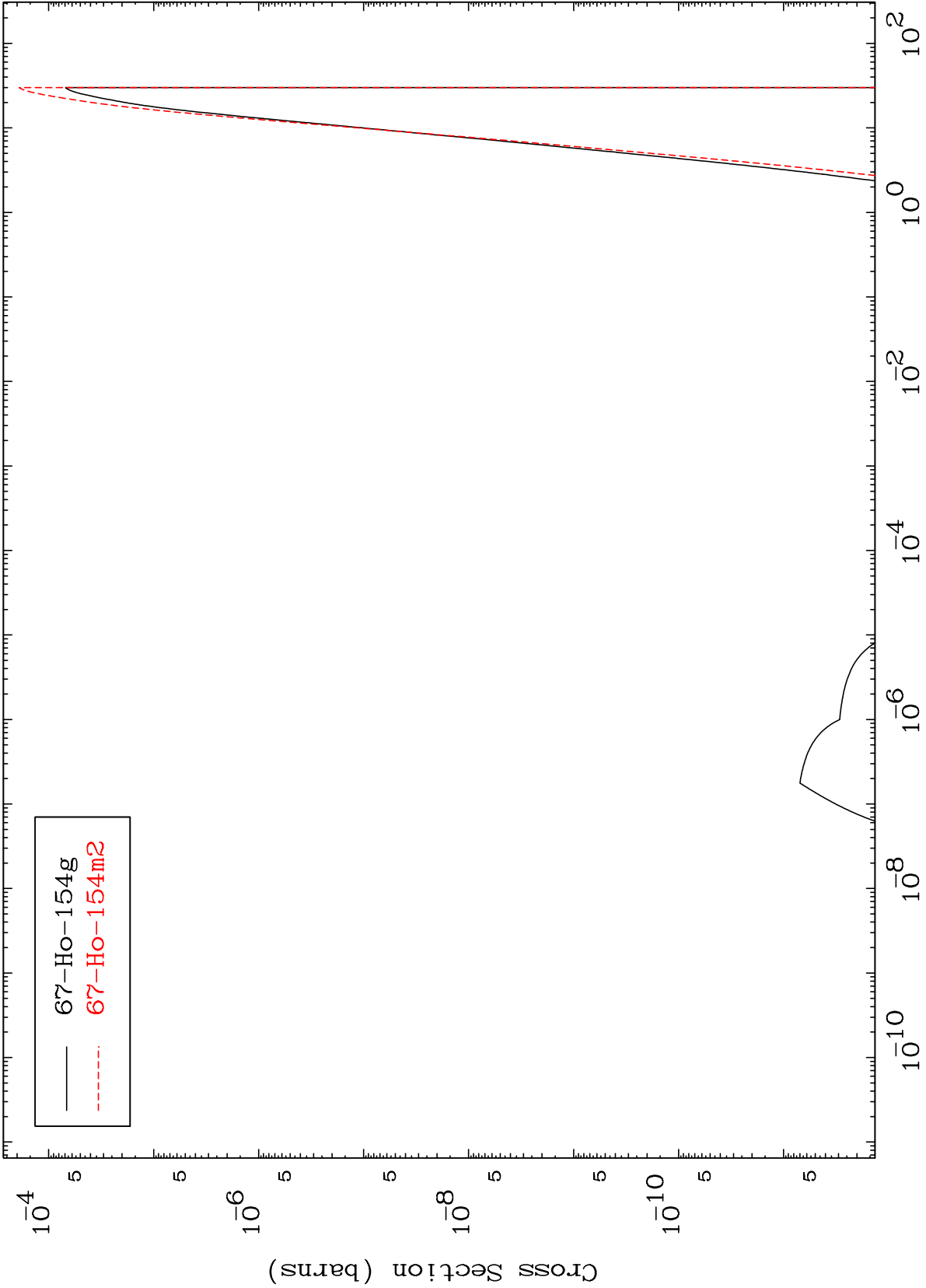


MAT 7083

(n,2α)

⁷¹Lu-161

Radionuclide Production Cross Section



144

Incident Energy (MeV)

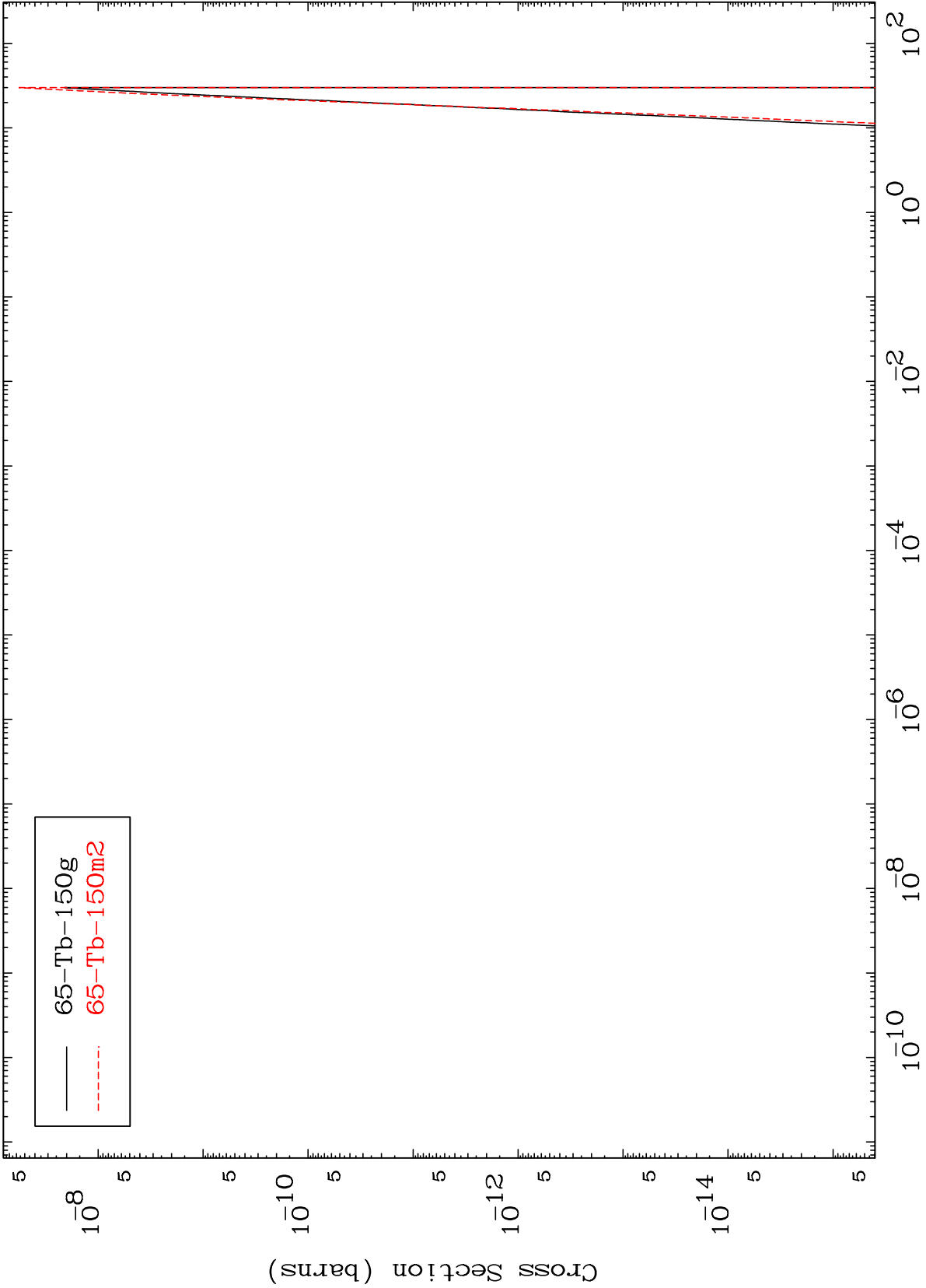
⁷¹Lu-161

MAT 7083

(n,3α)

71-Lu-161

Radionuclide Production Cross Section



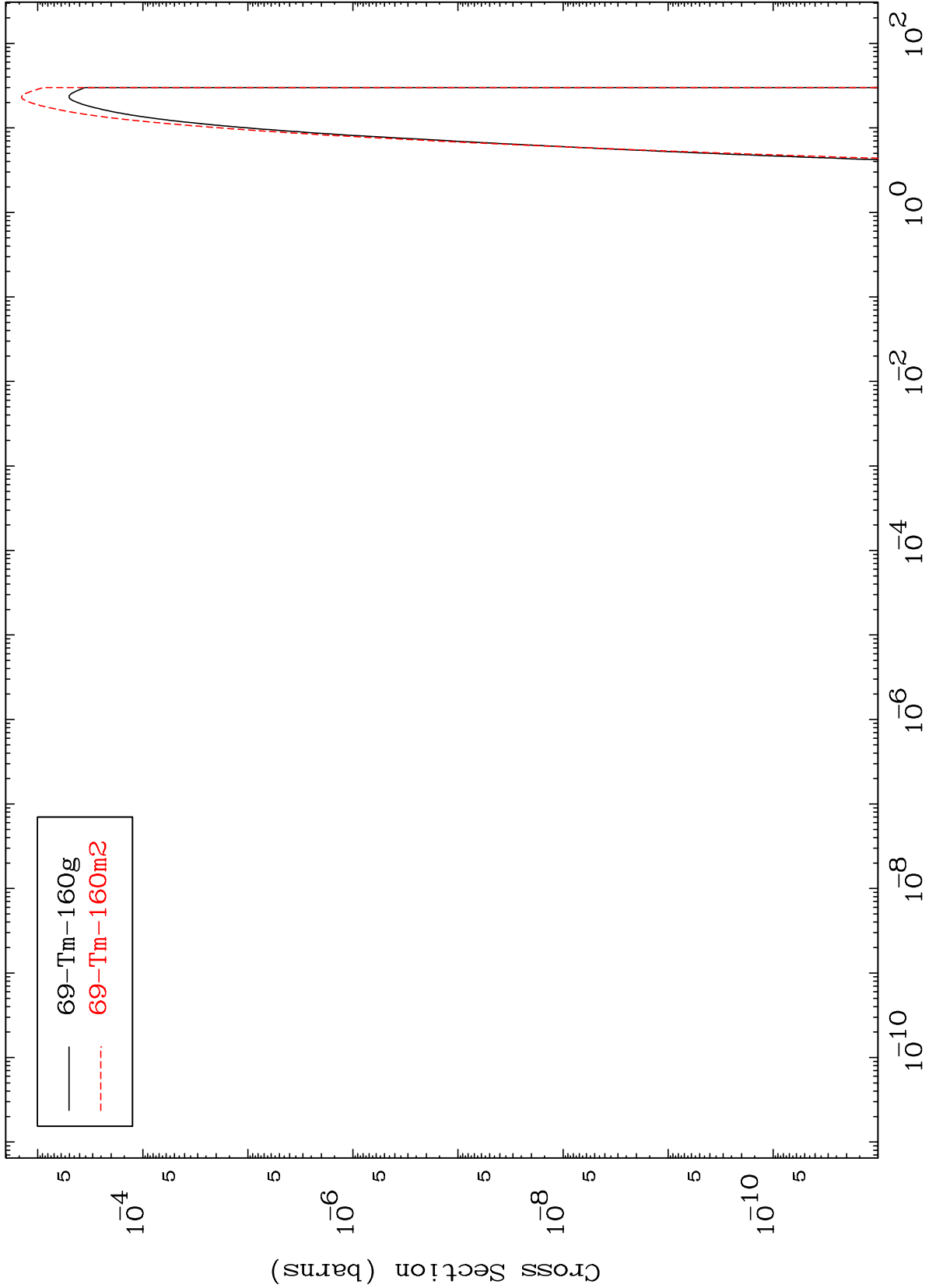
65-Tb-150g
65-Tb-150m2

MAT 7083

(n,2p)

⁷¹Lu-161

Radionuclide Production Cross Section



— 69-Tm-160g
- - - 69-Tm-160m2

146

Incident Energy (MeV)

⁷¹Lu-161