

Program EVALPLOT
(Version 2021-1)

by

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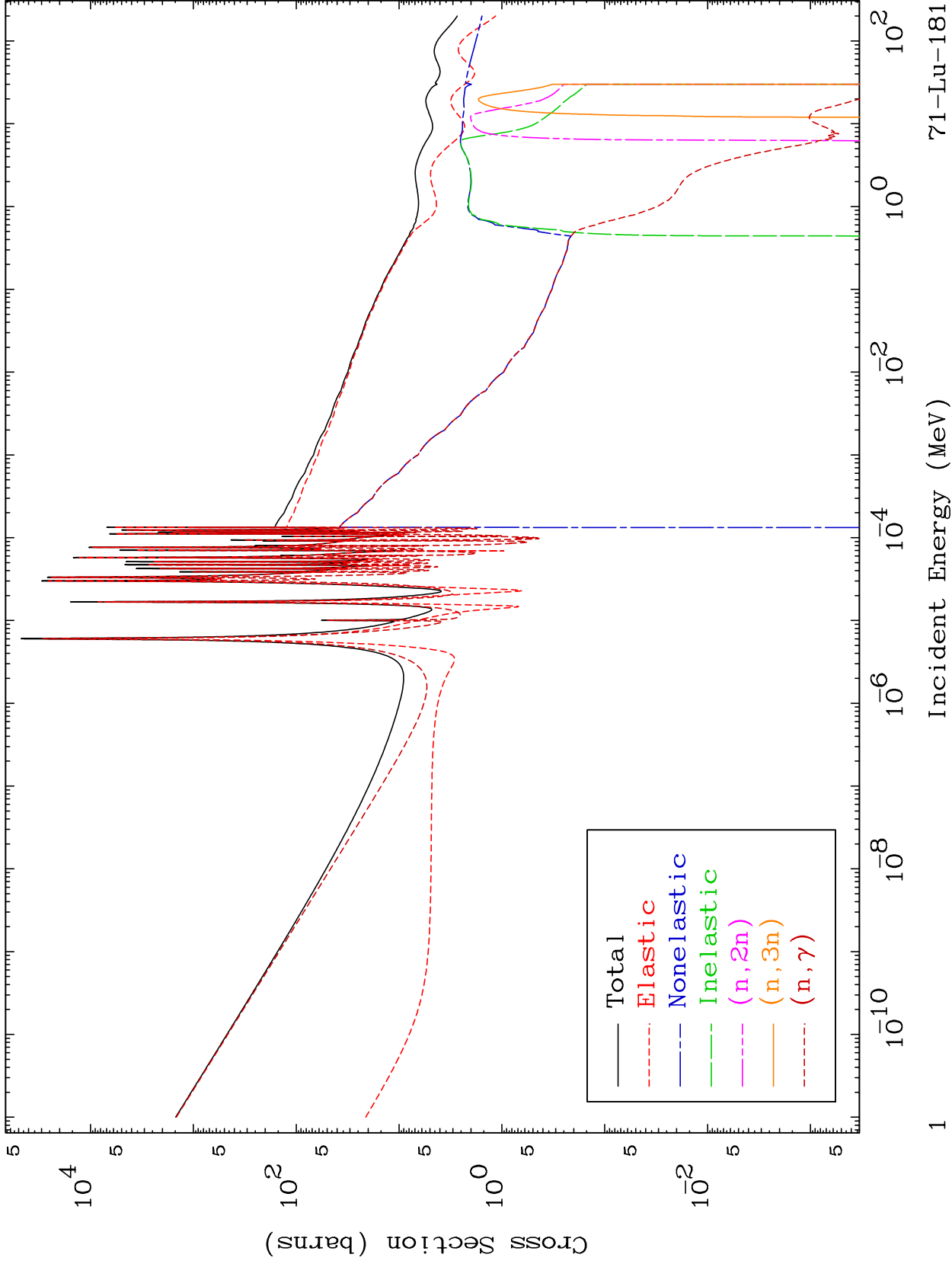
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Press Mouse Button to Start

MAT 7143

Neutron Major
293 Kelvin Cross Sections

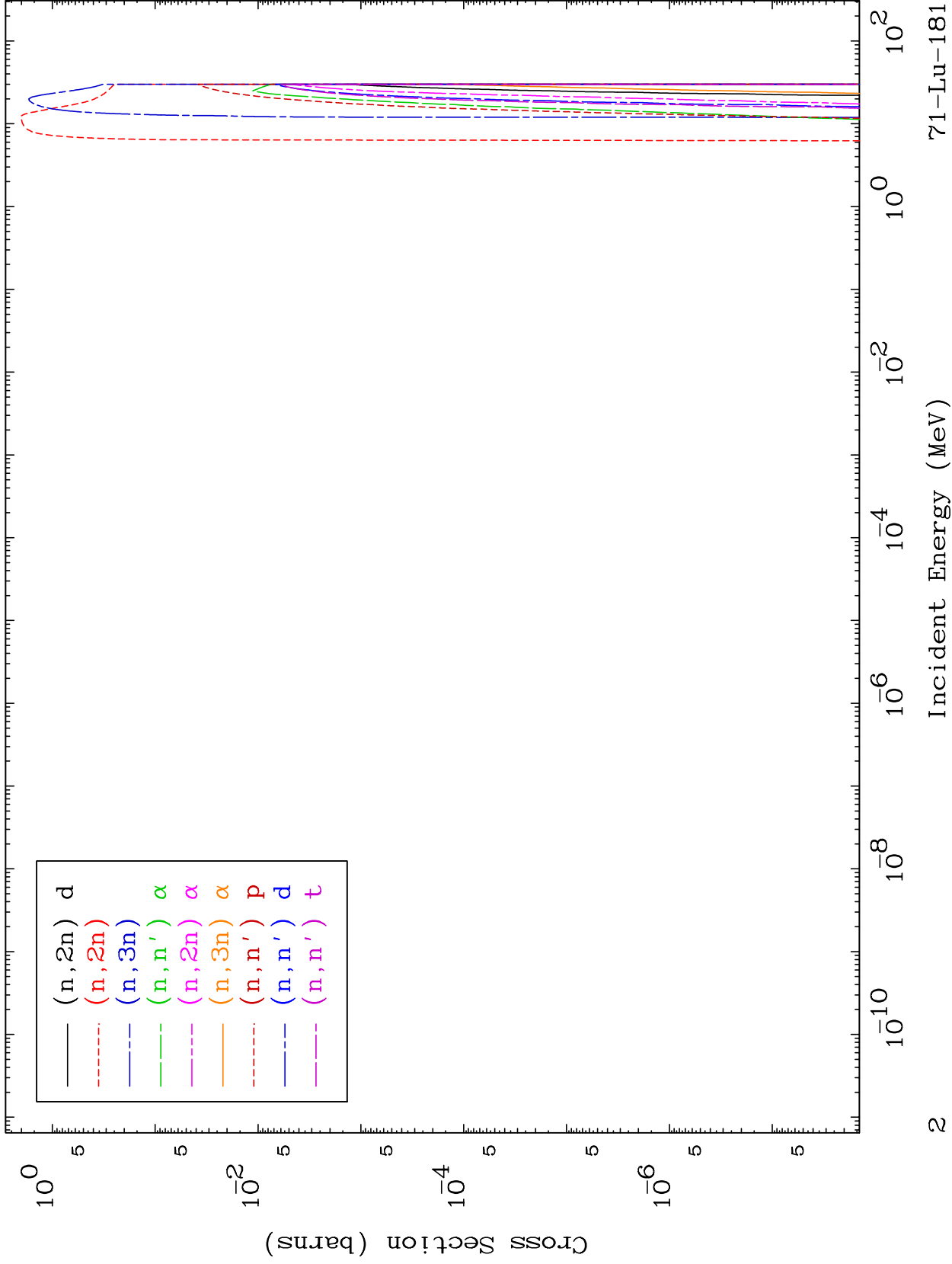
71-Lu-181



MAT 7143

Neutron Absorption
293 Kelvin Cross Sections

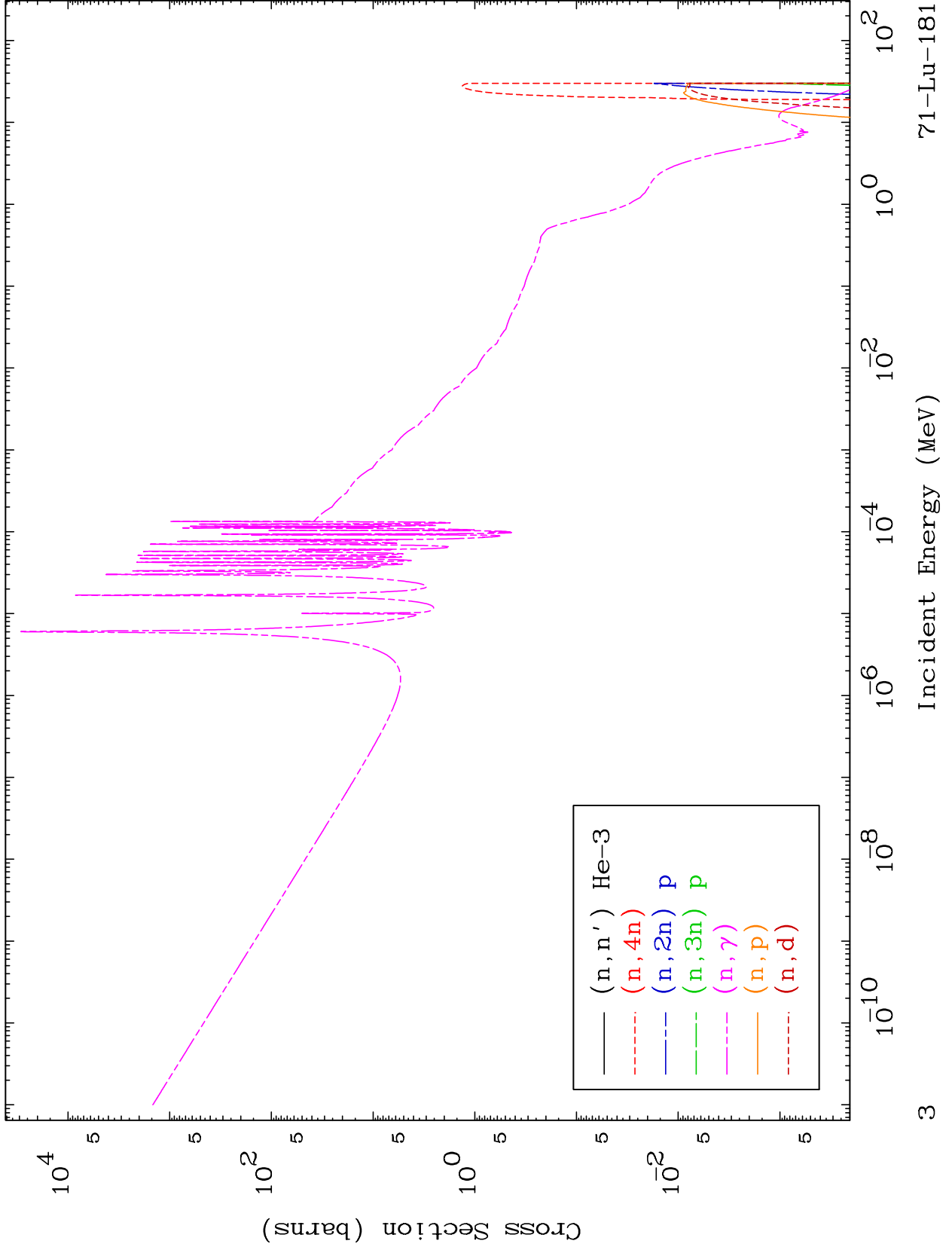
71-Lu-181



MAT 7143

Neutron Absorption
293 Kelvin Cross Sections

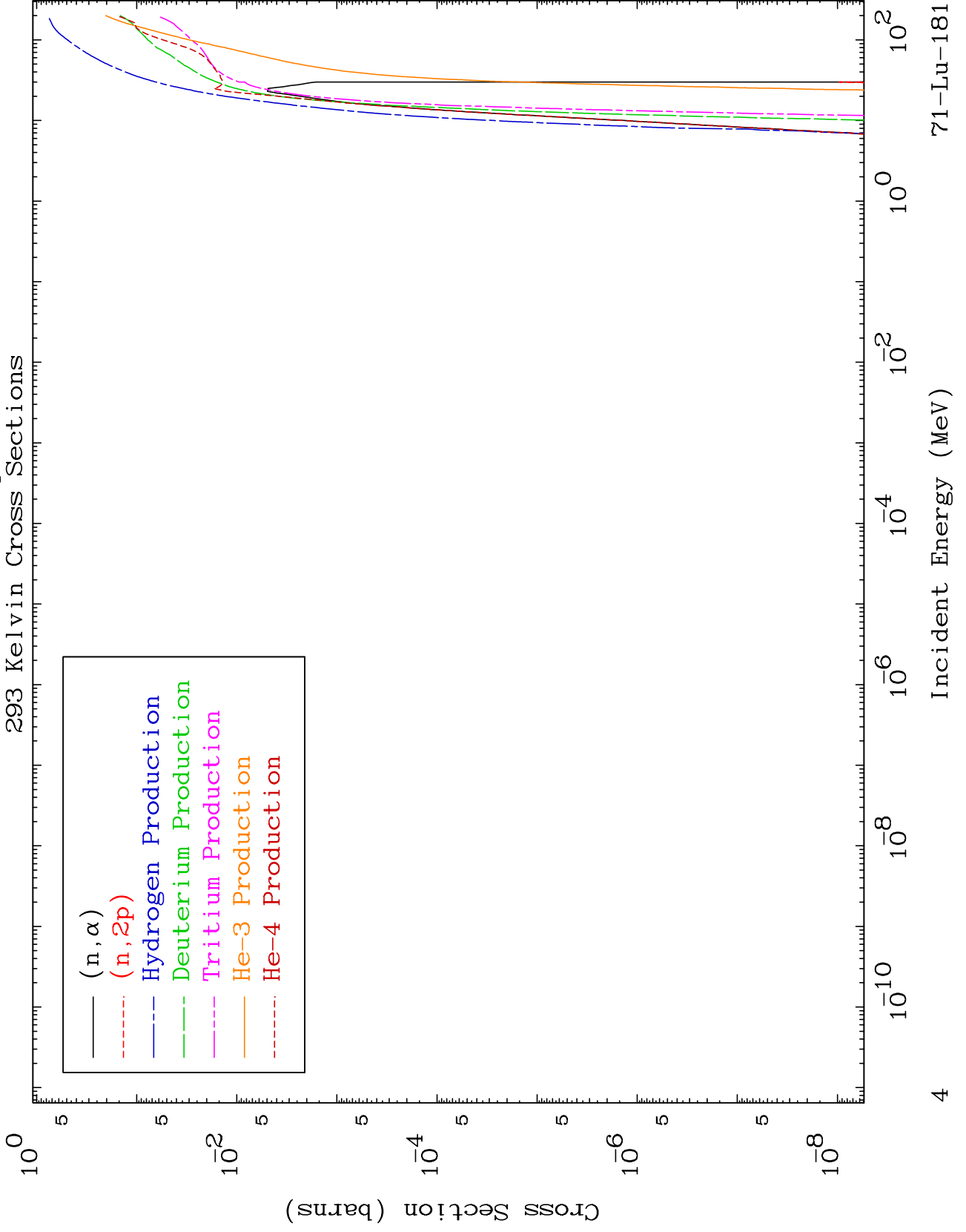
71-Lu-181



MAT 7143

Neutron Absorption
293 Kelvin Cross Sections

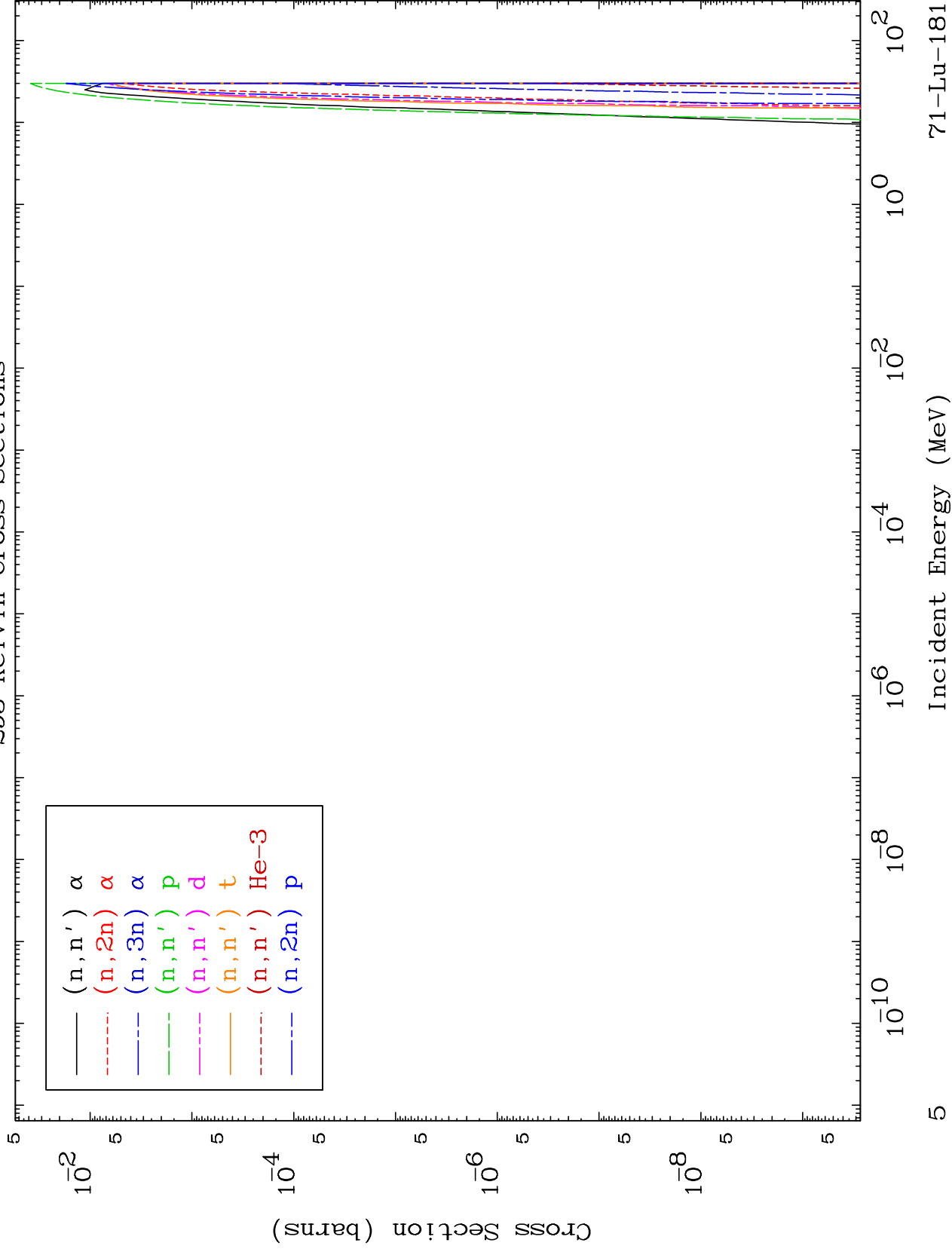
71-Lu-181



MAT 7143

Charged Particle
293 Kelvin Cross Sections

71-Lu-181



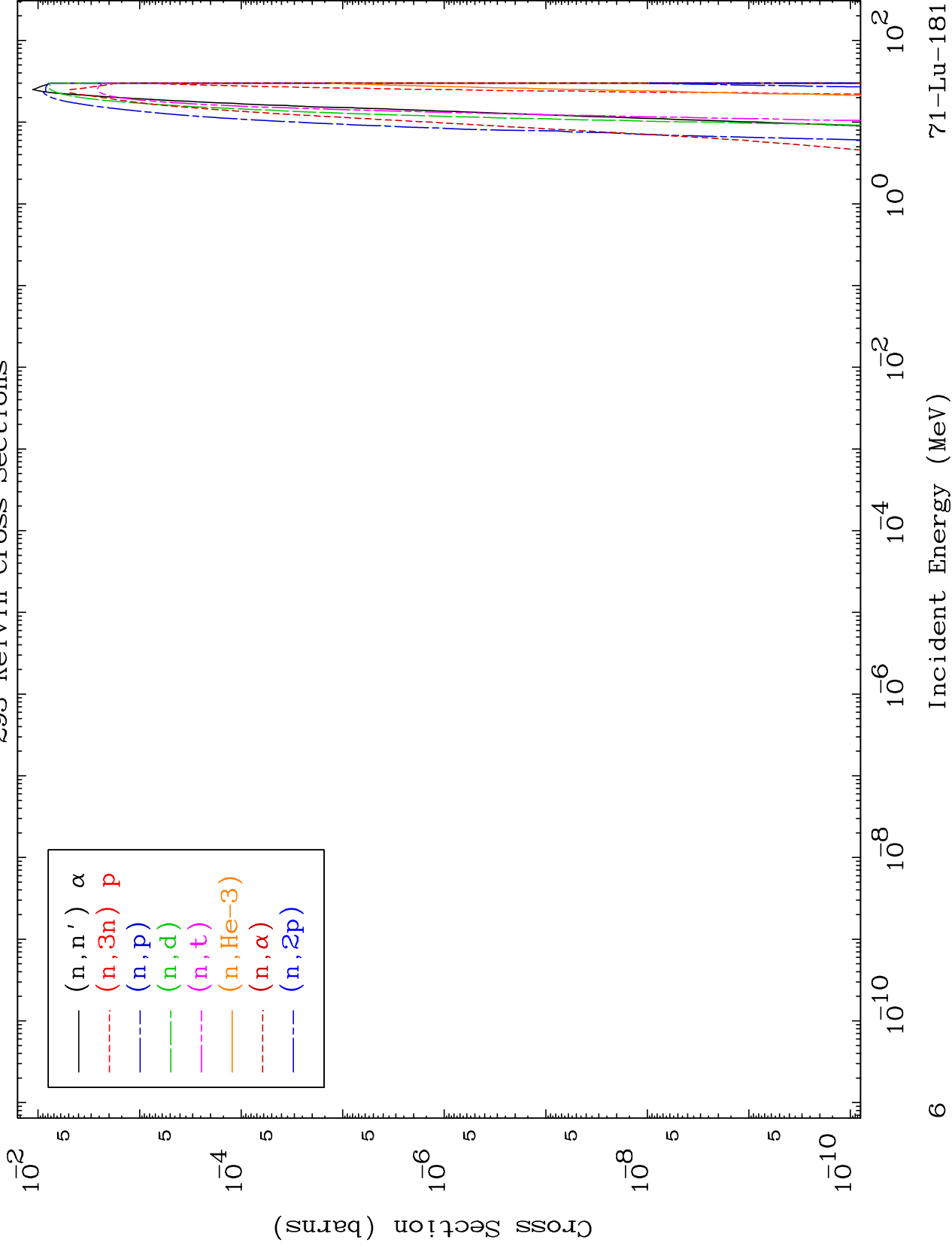
5

71-Lu-181

MAT 7143

Charged Particle
293 Kelvin Cross Sections

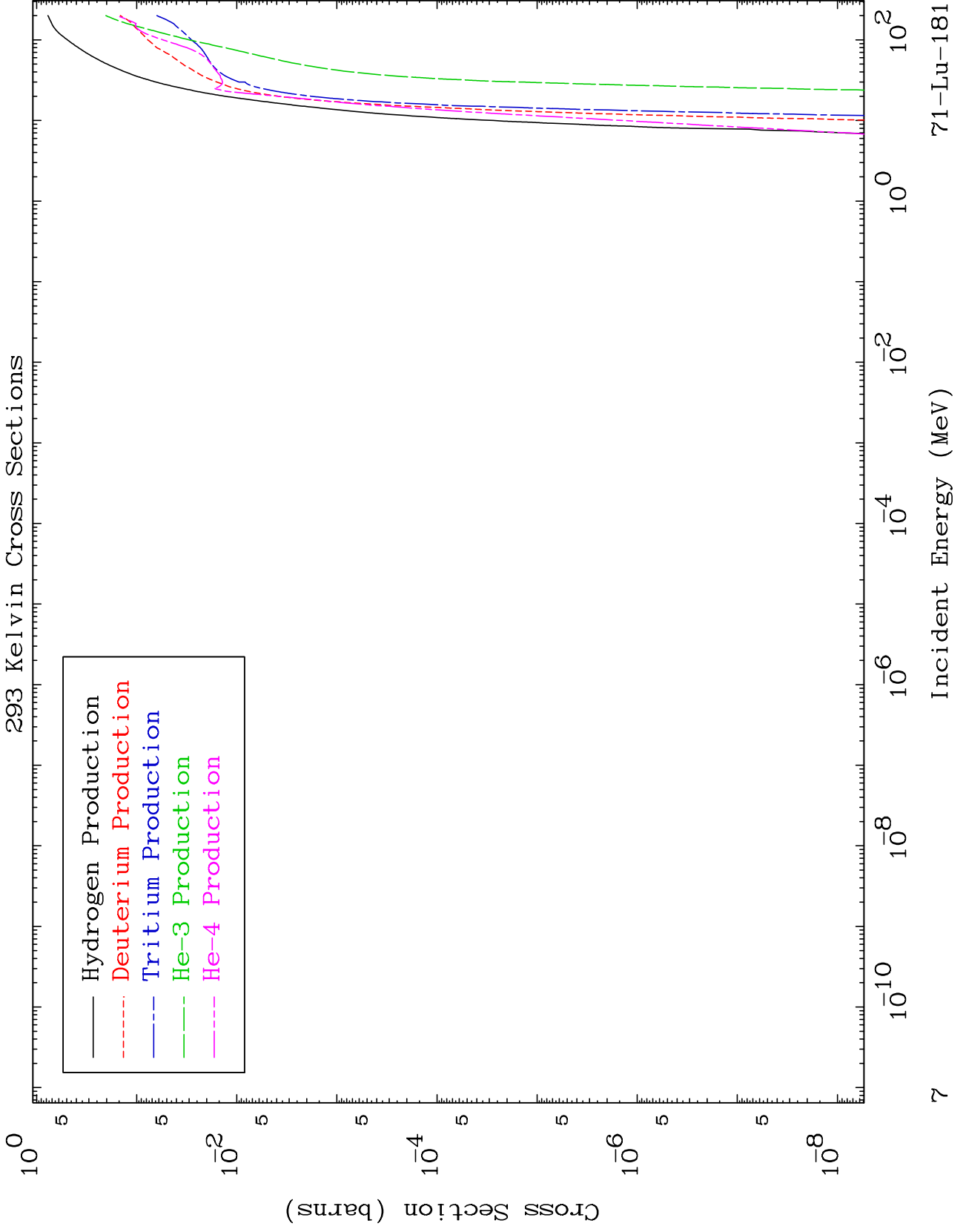
71-Lu-181



MAT 7143

Particle Production
293 Kelvin Cross Sections

71-Lu-181

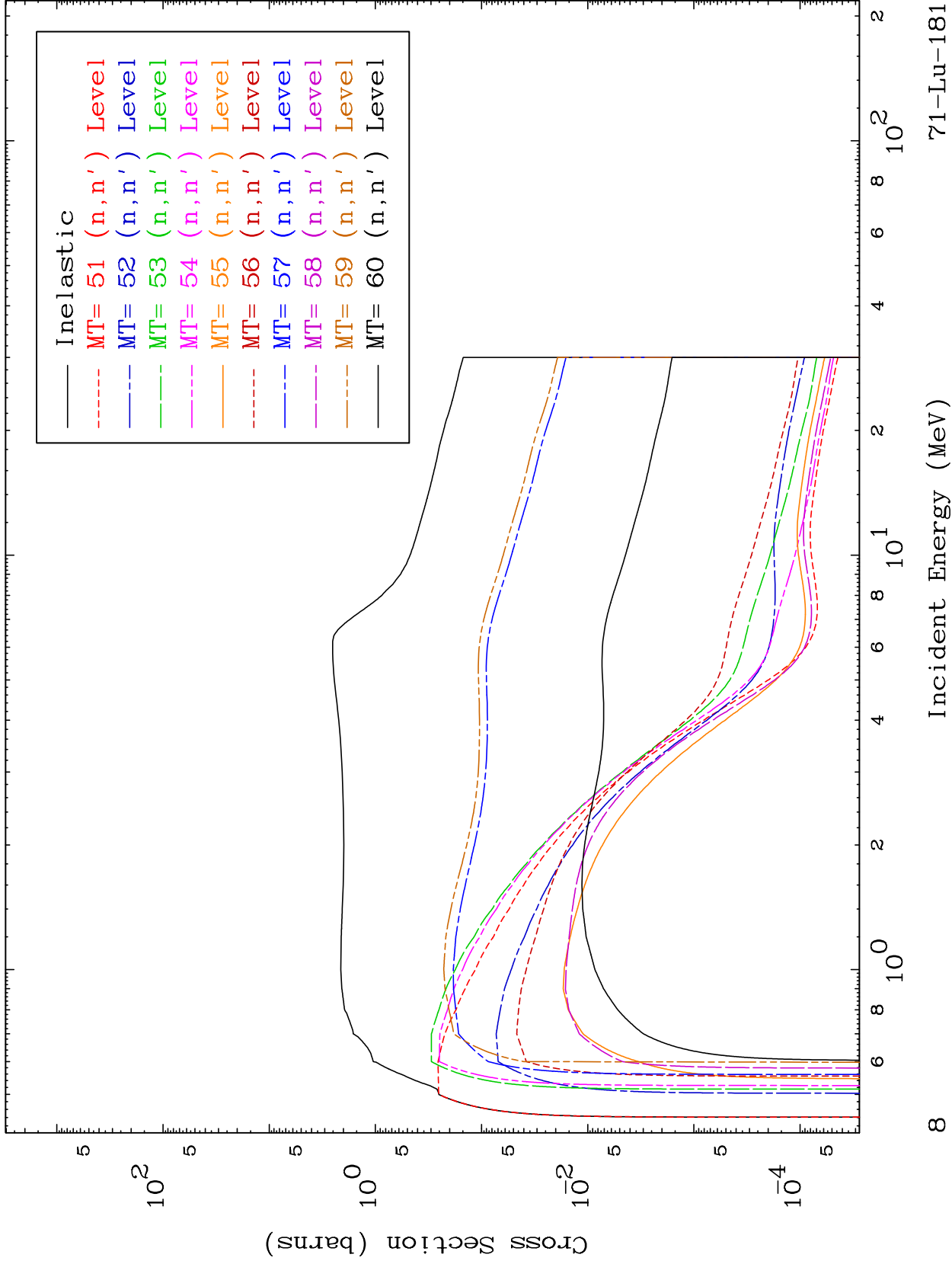


MAT 7143

(n,n') Levels

71-Lu-181

293 Kelvin Cross Sections

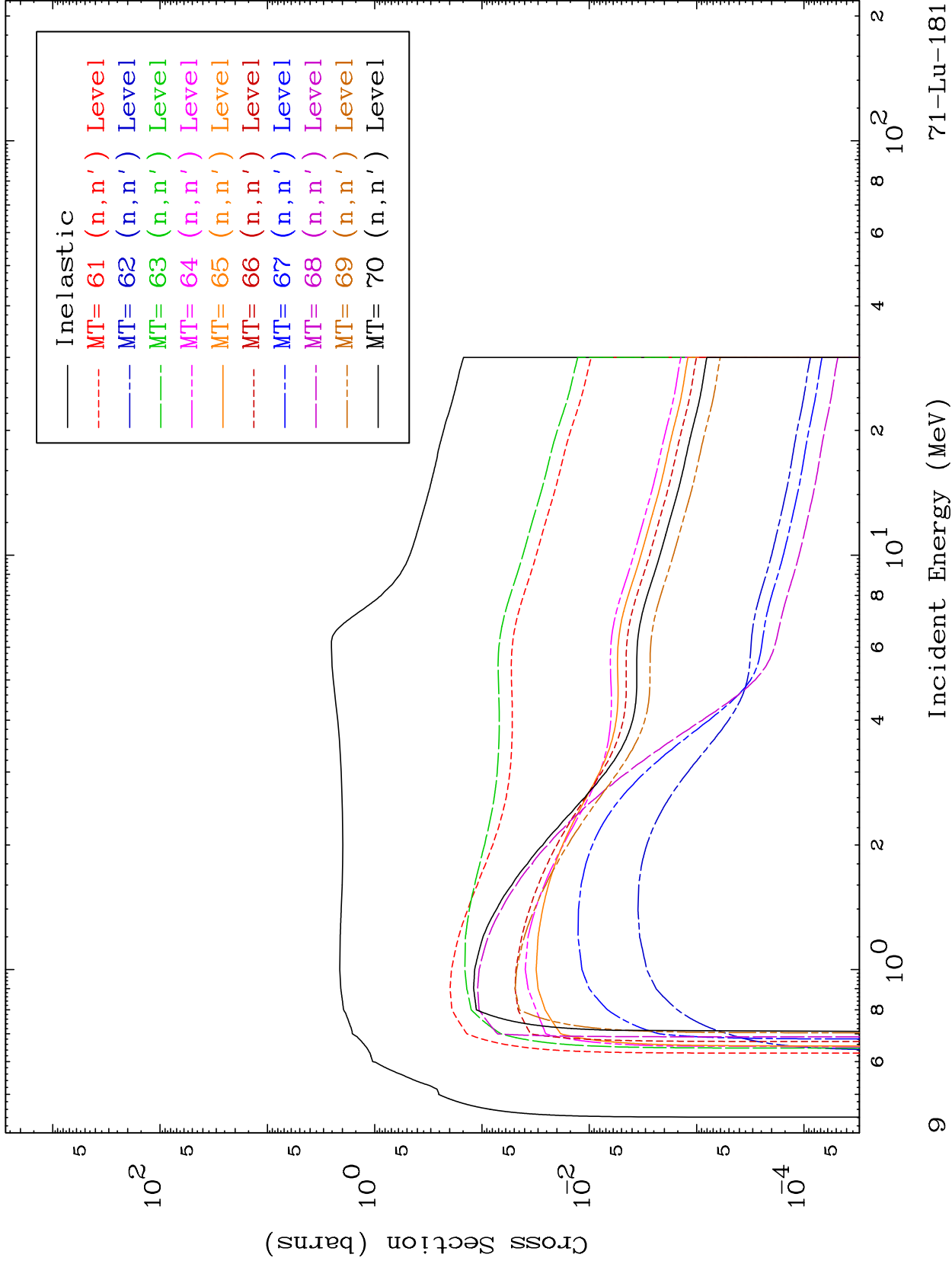


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Incident Energy (MeV)

71-Lu-181

293 Kelvin Cross Sections

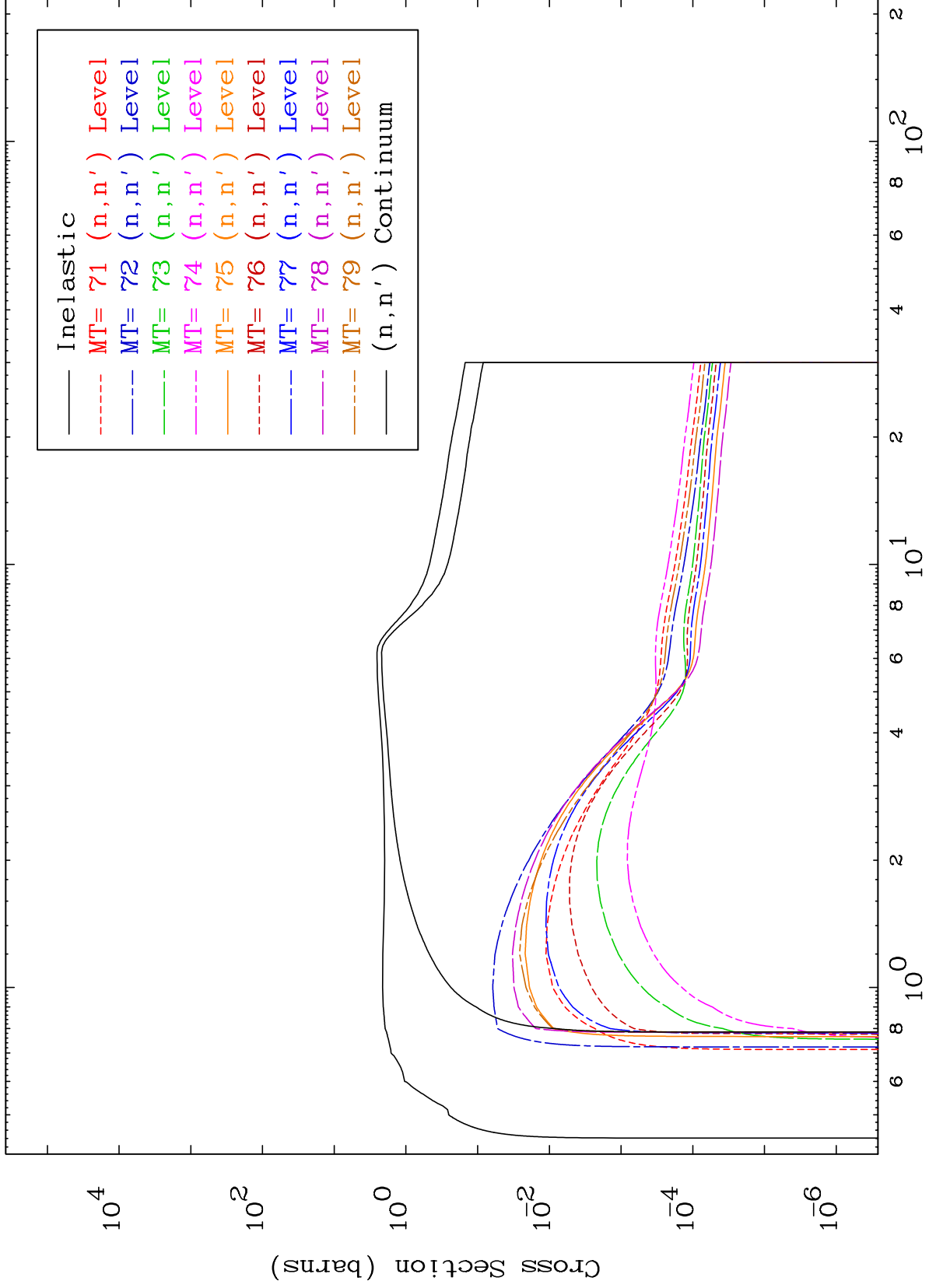


MAT 7143

(n,n') Levels

71-Lu-181

293 Kelvin Cross Sections



10

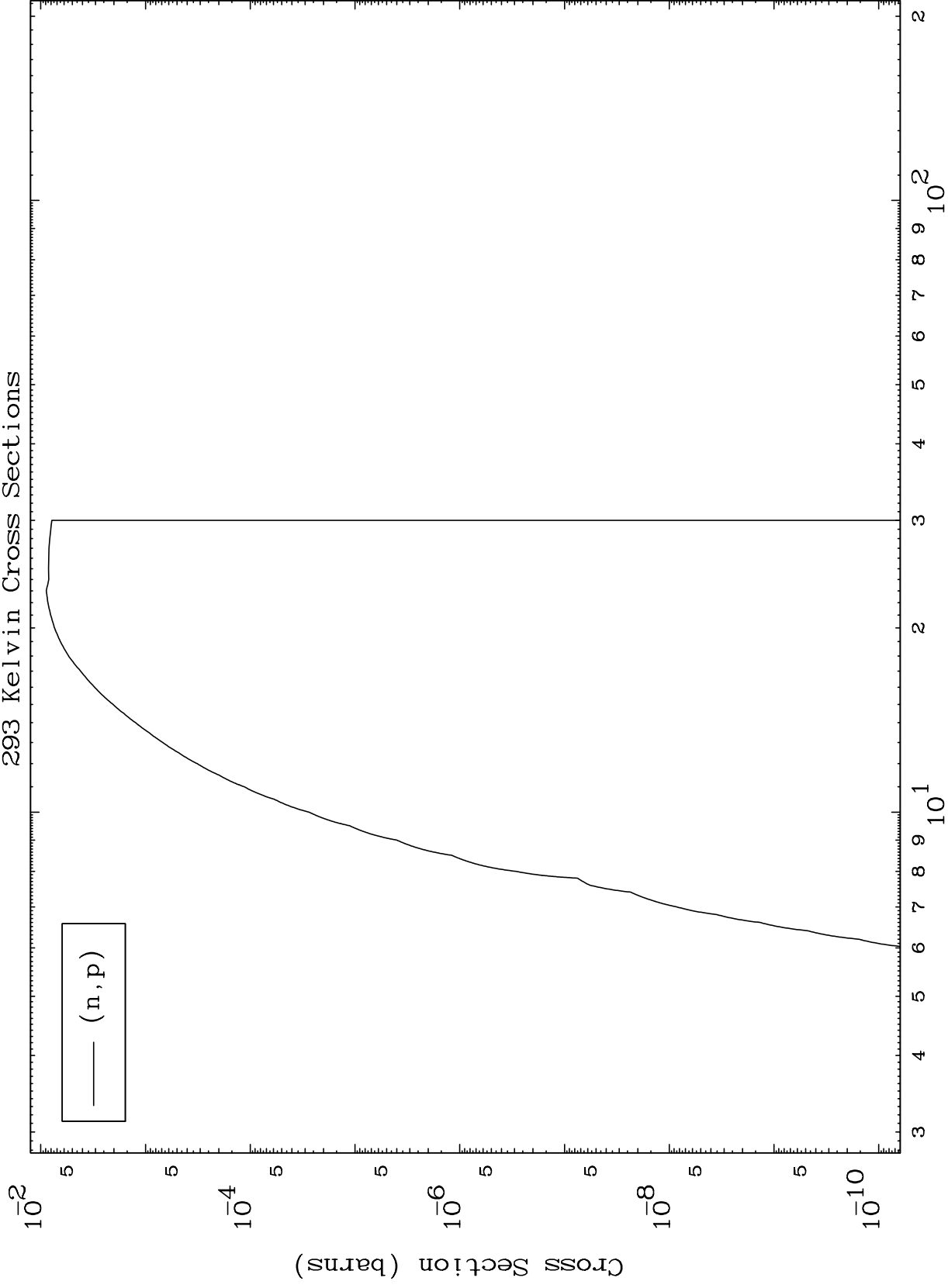
Incident Energy (MeV)

71-Lu-181

MAT 7143

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-181



11

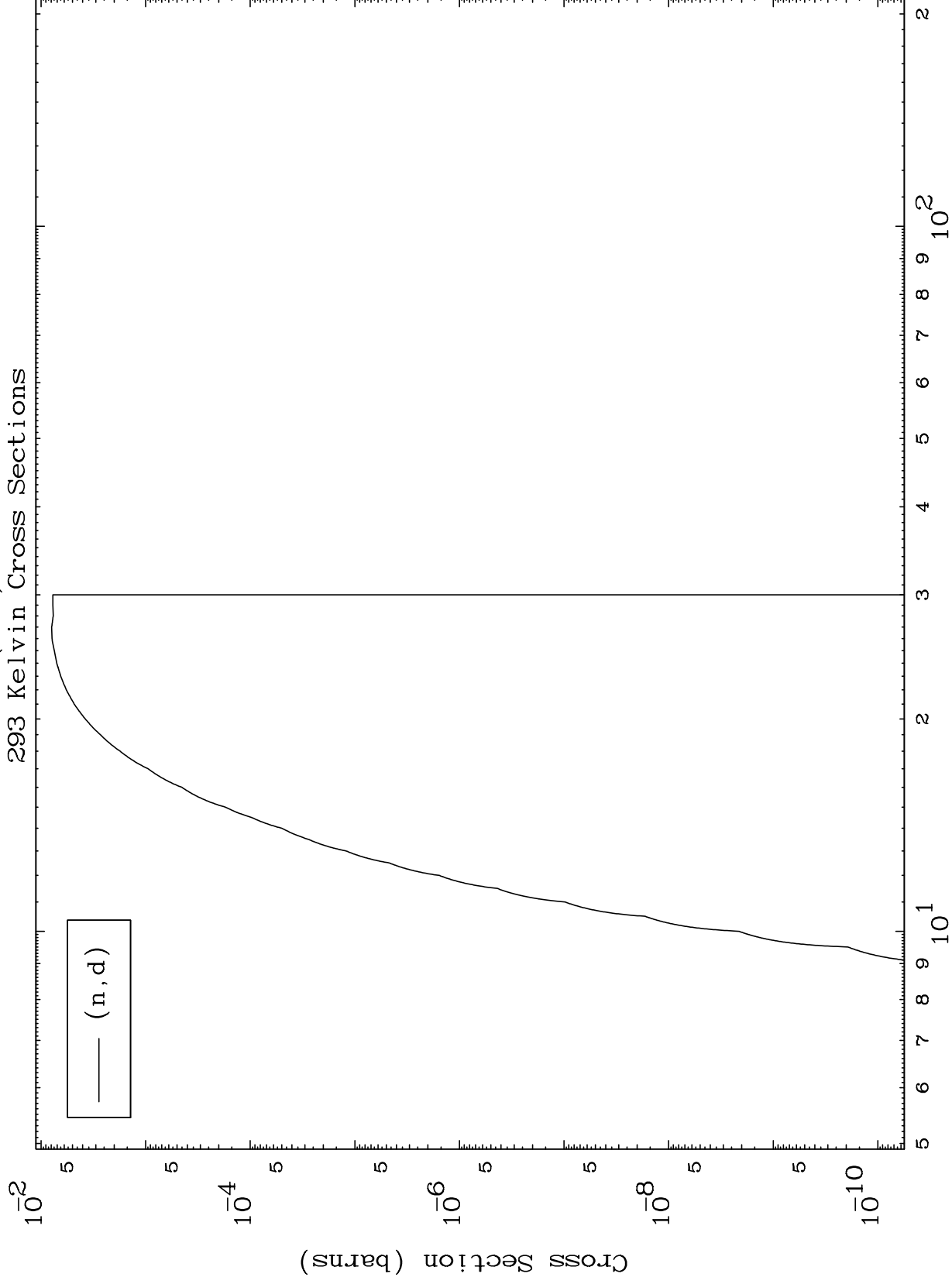
Incident Energy (MeV)

71-Lu-181

MAT 7143

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-181



12

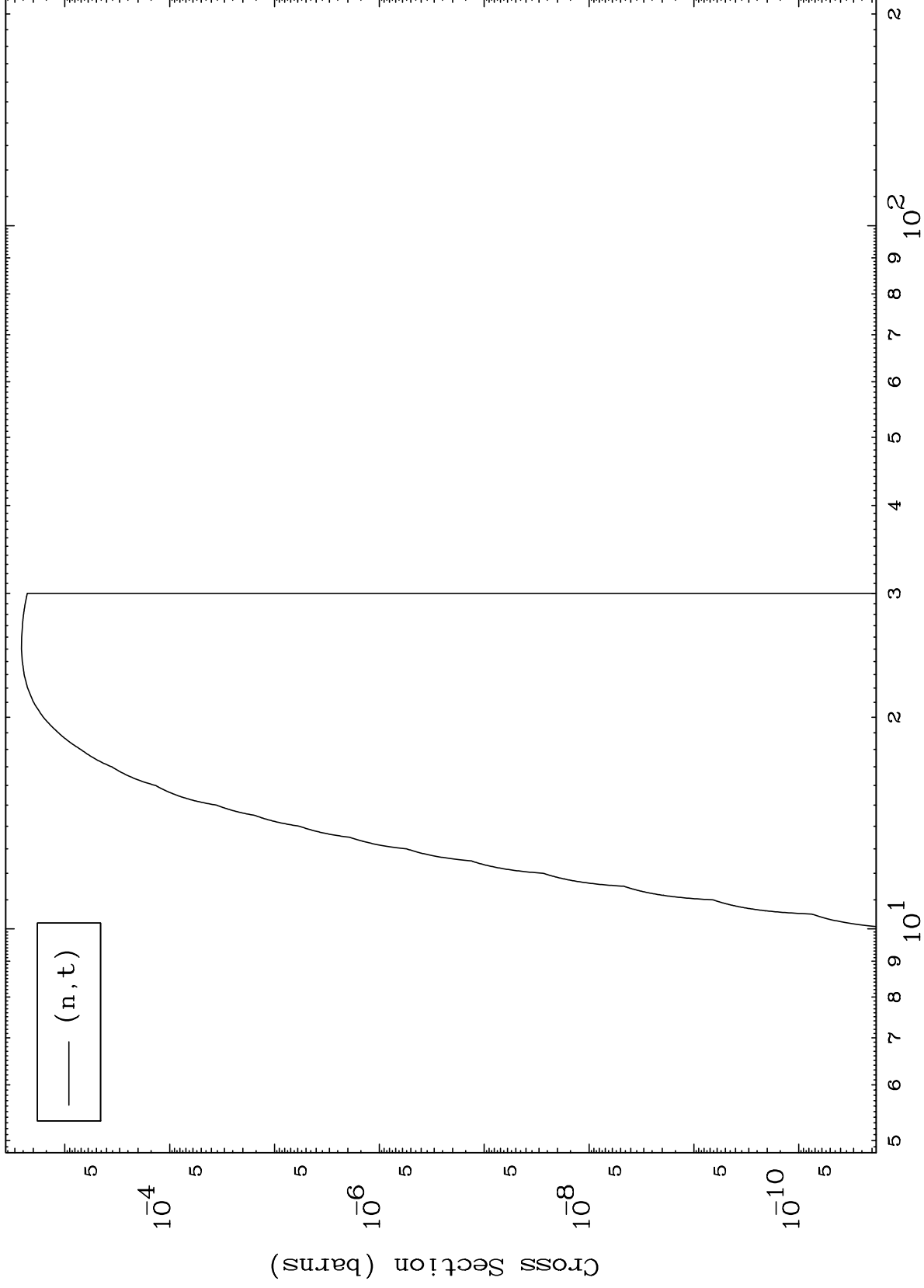
Incident Energy (MeV)

71-Lu-181

MAT 7143

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-181



13

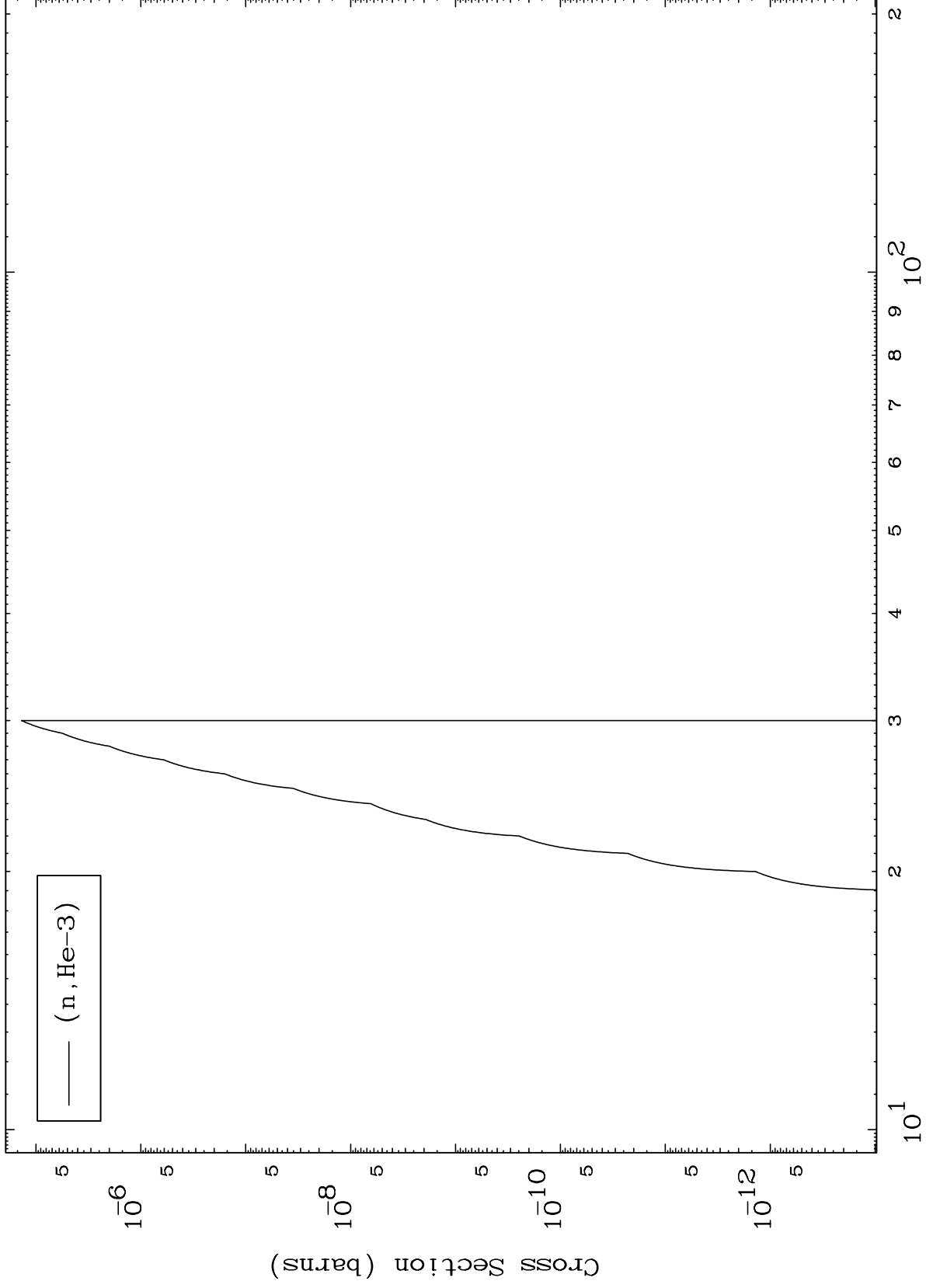
Incident Energy (MeV)

71-Lu-181

MAT 7143

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-181



71-Lu-181

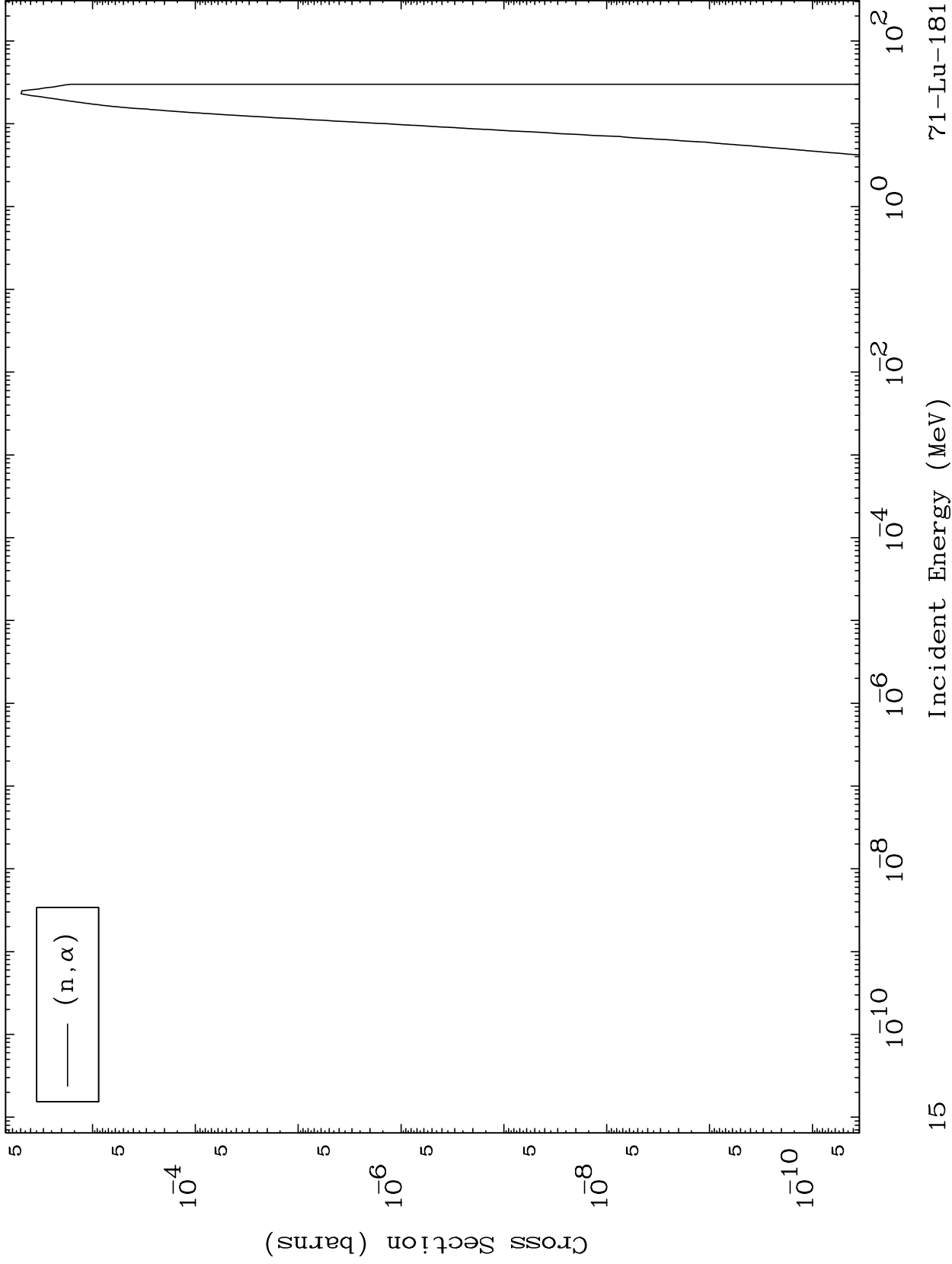
Incident Energy (MeV)

14

MAT 7143

(n, α) Levels
293 Kelvin Cross Sections

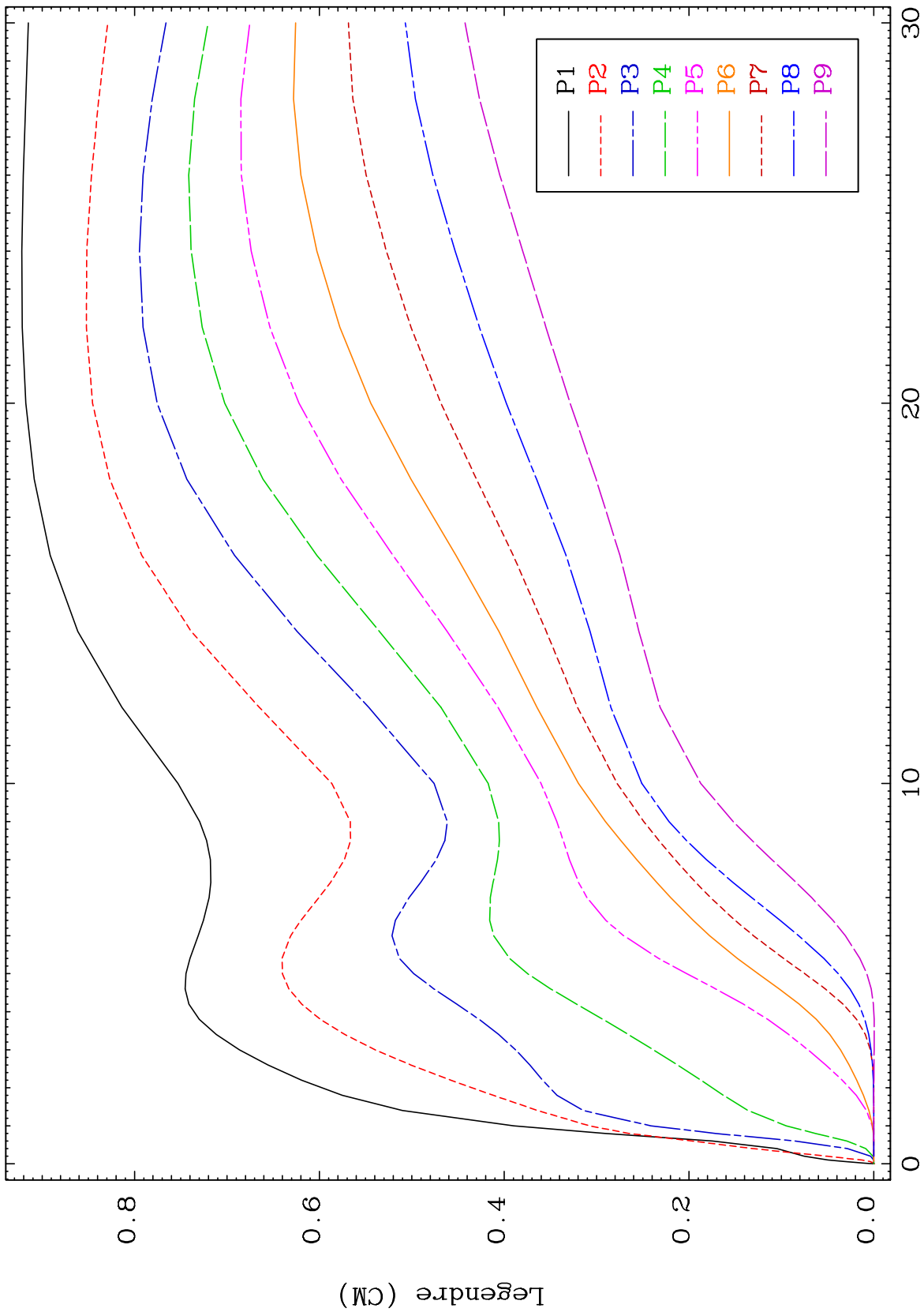
71-Lu-181



MAT 7143

71-Lu-181

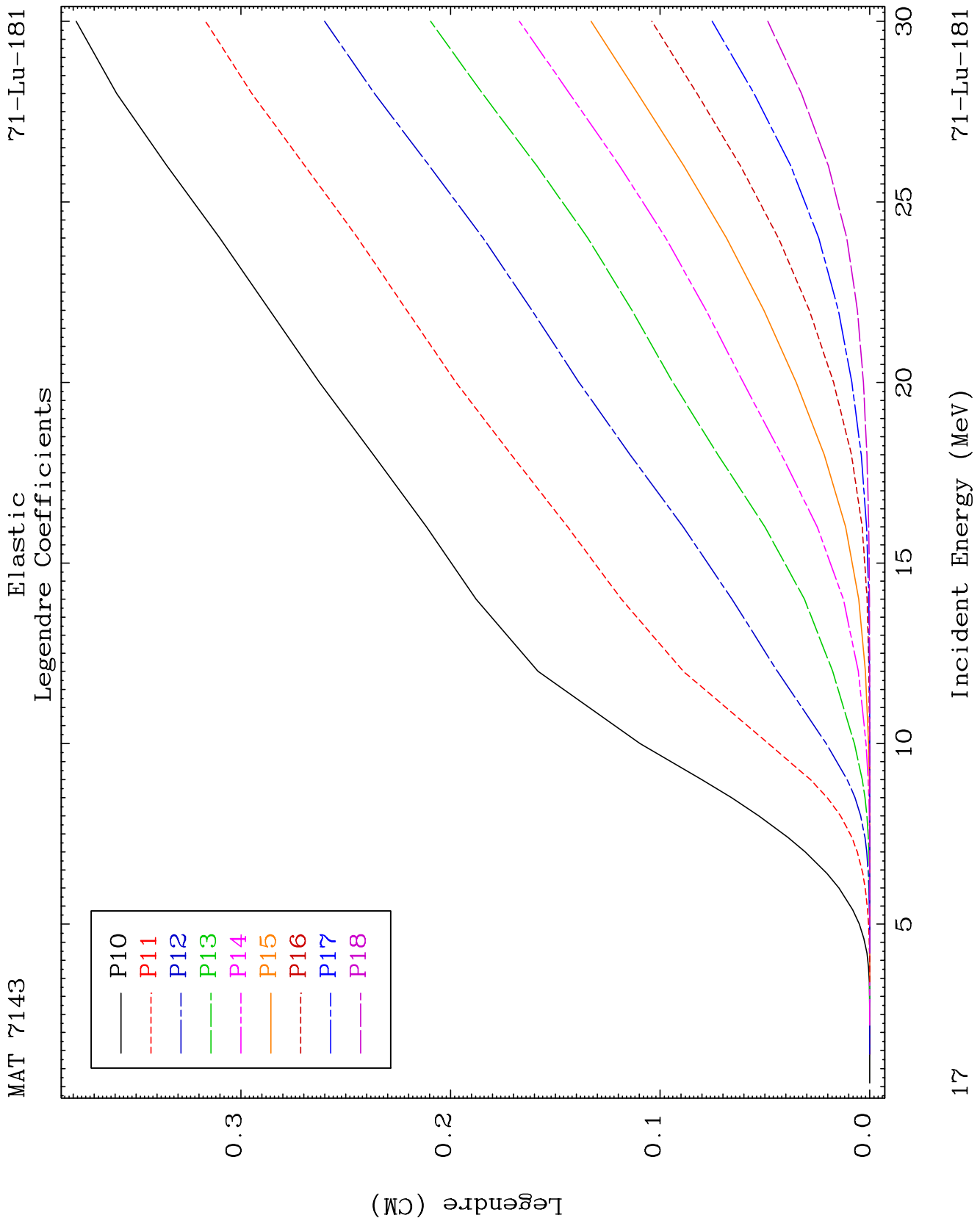
Elastic Legendre Coefficients



16

Incident Energy (MeV)

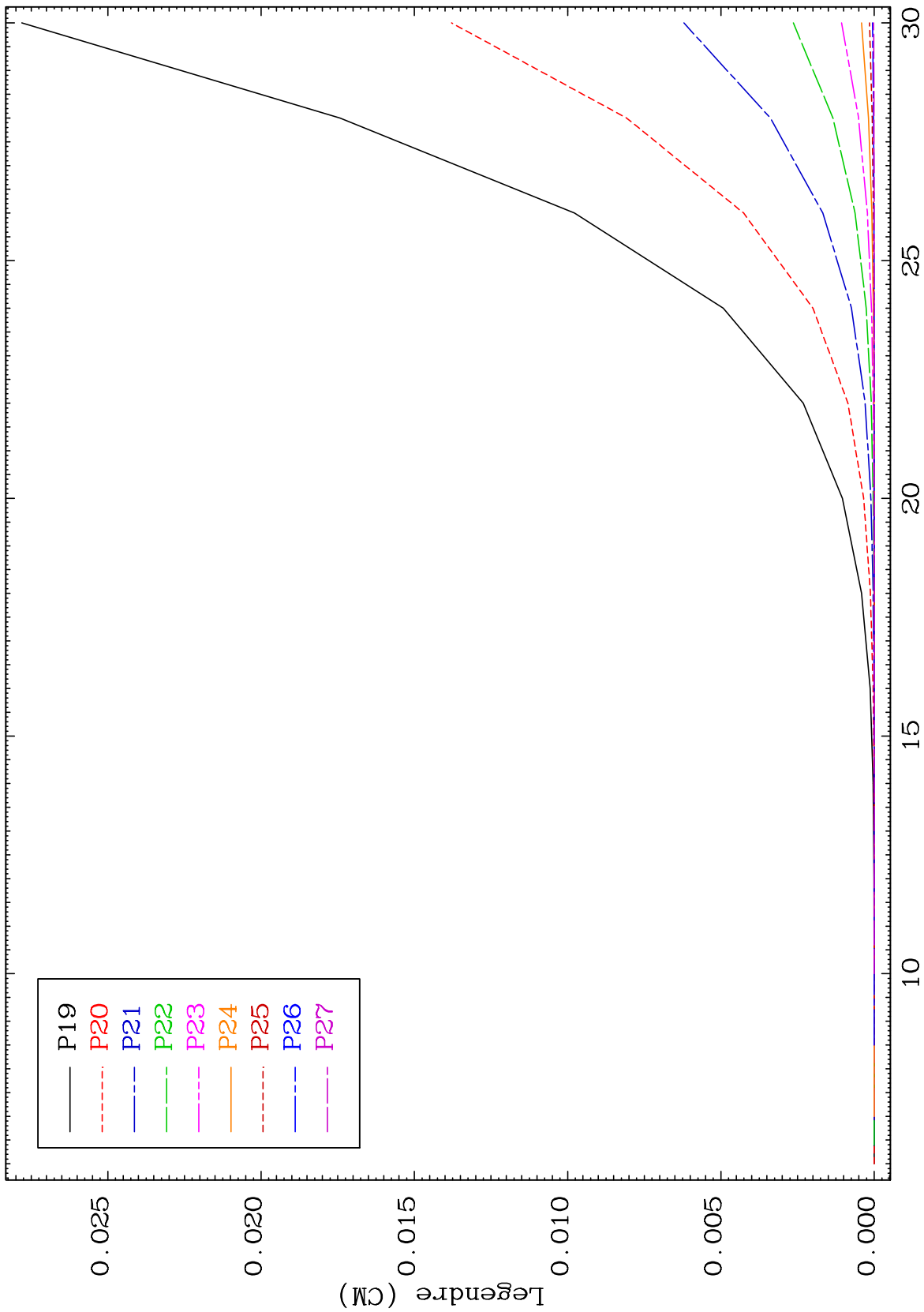
71-Lu-181



MAT 7143

Elastic Legendre Coefficients

71-Lu-181



18

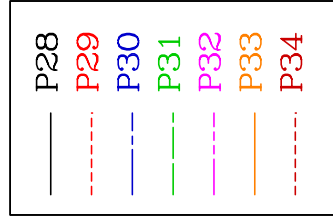
Incident Energy (MeV)

71-Lu-181

MAT 7143

Elastic
Legendre Coefficients

71-Lu-181



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

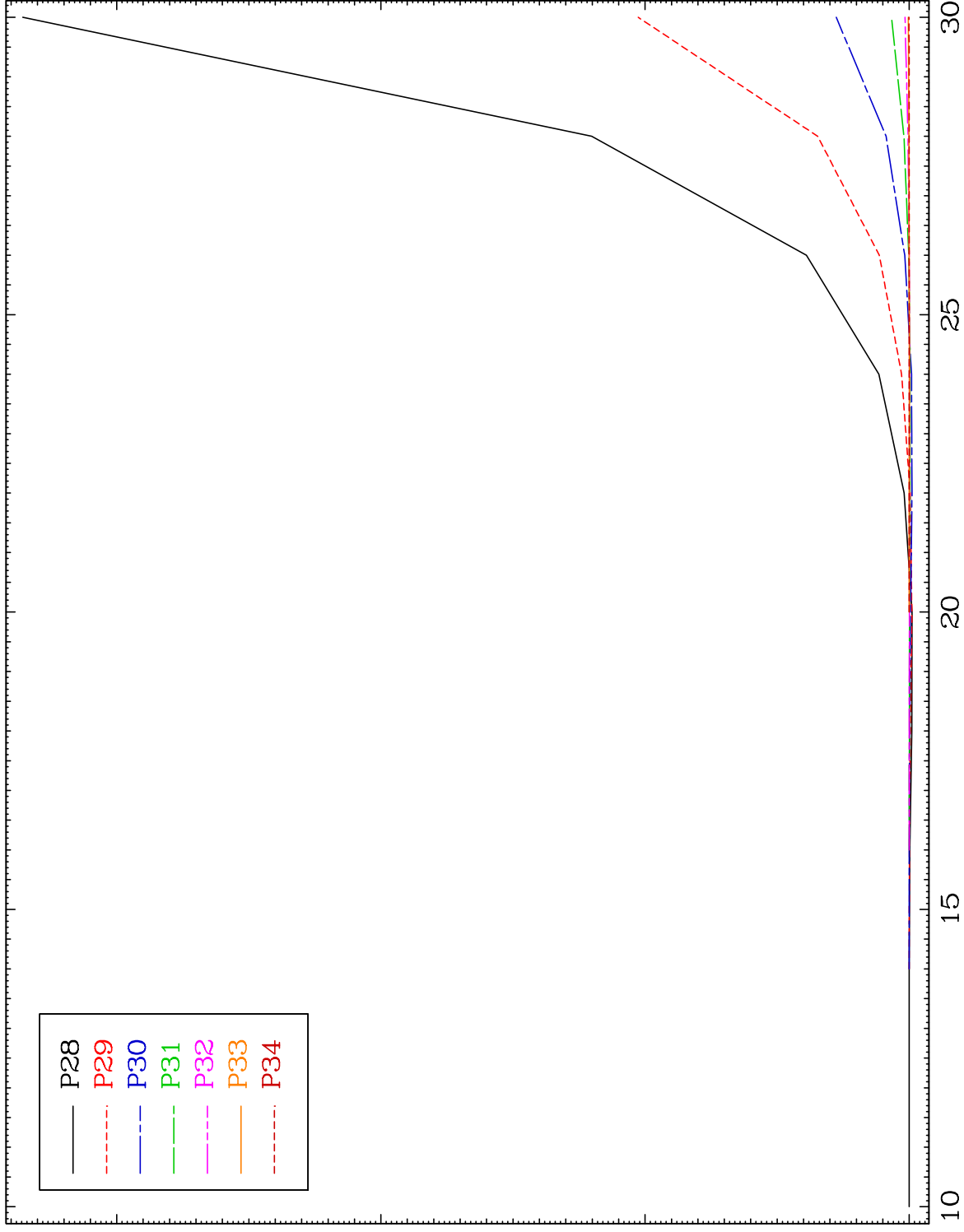
25

30

19

Incident Energy (MeV)

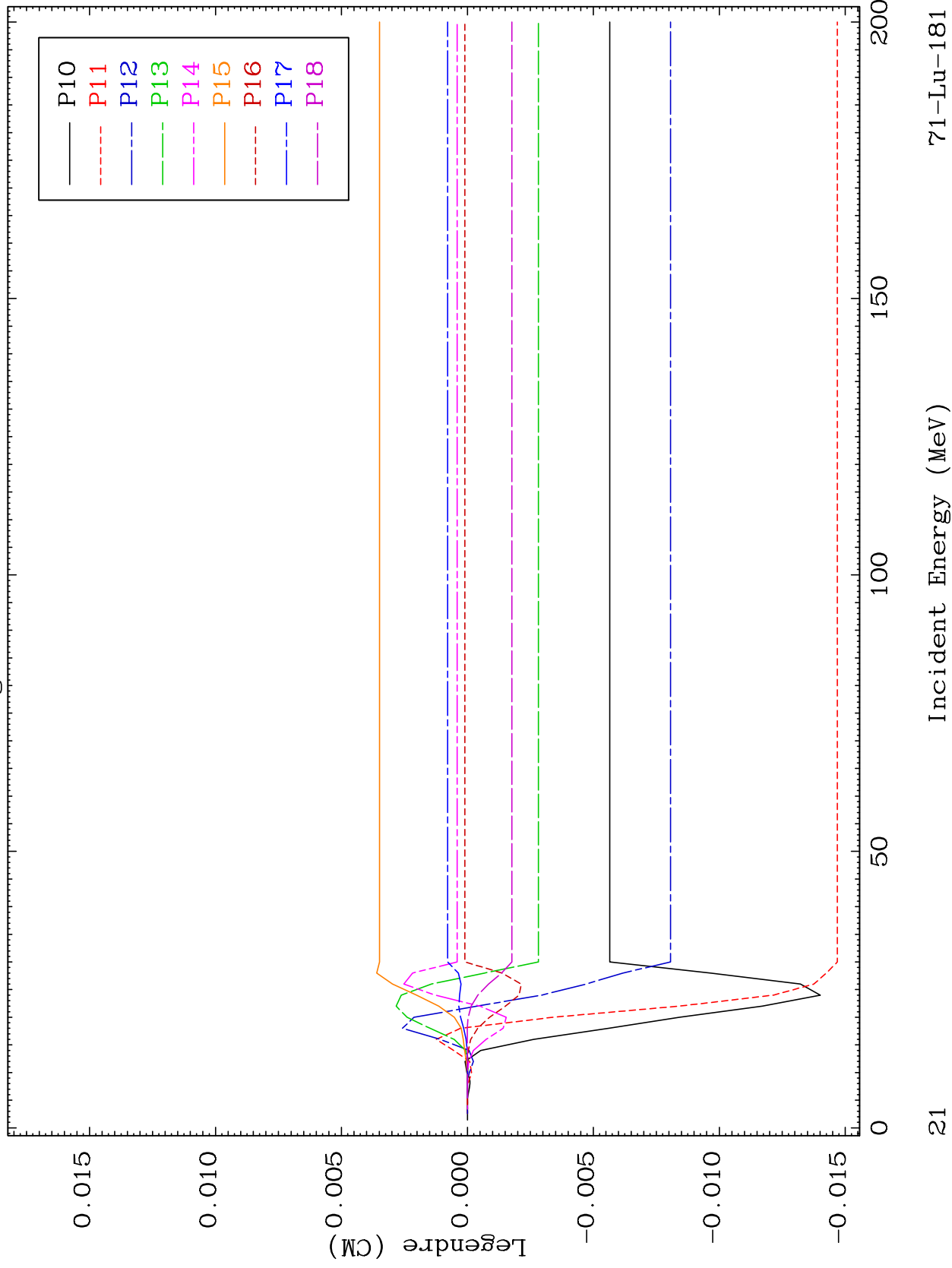
71-Lu-181



MAT 7143

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

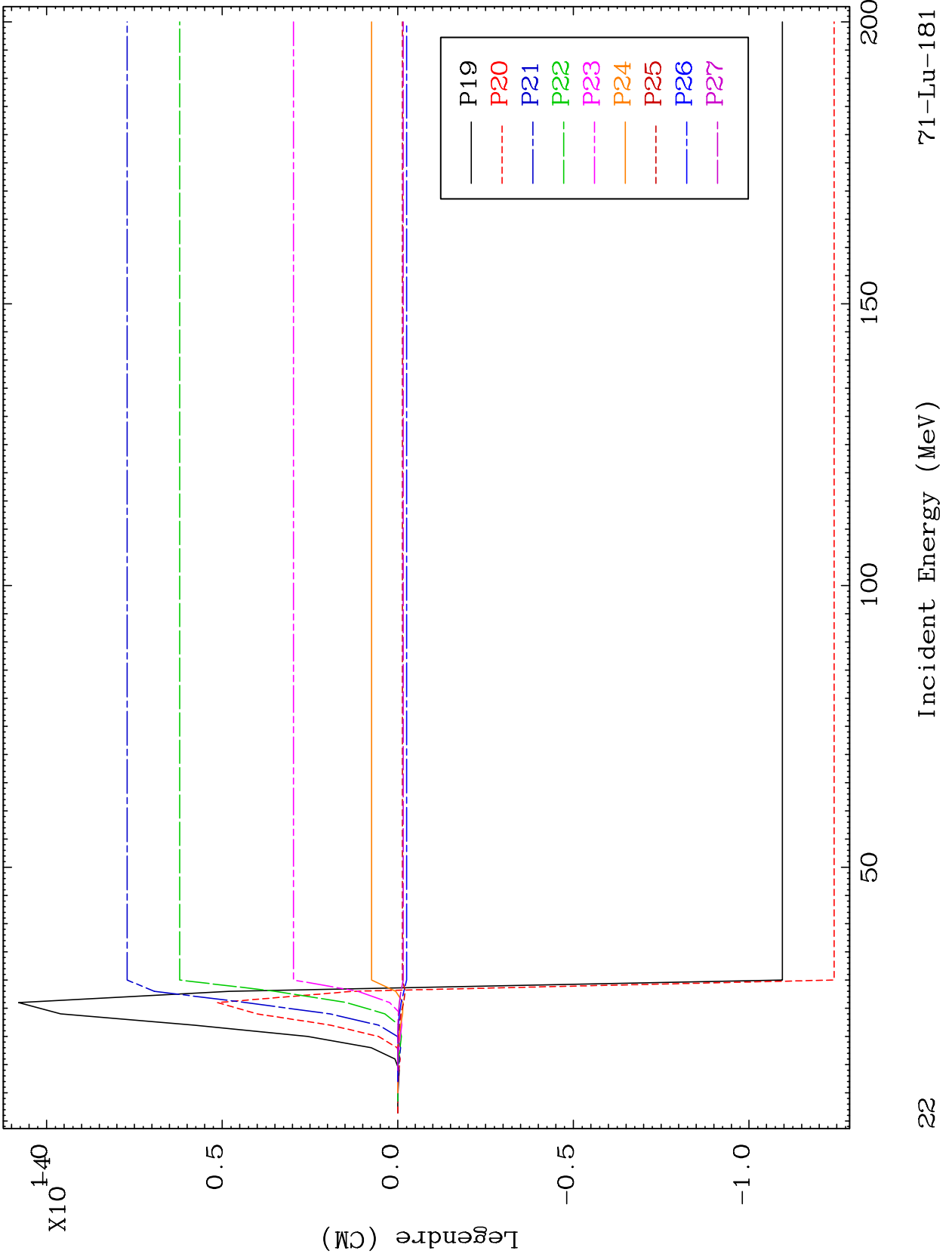
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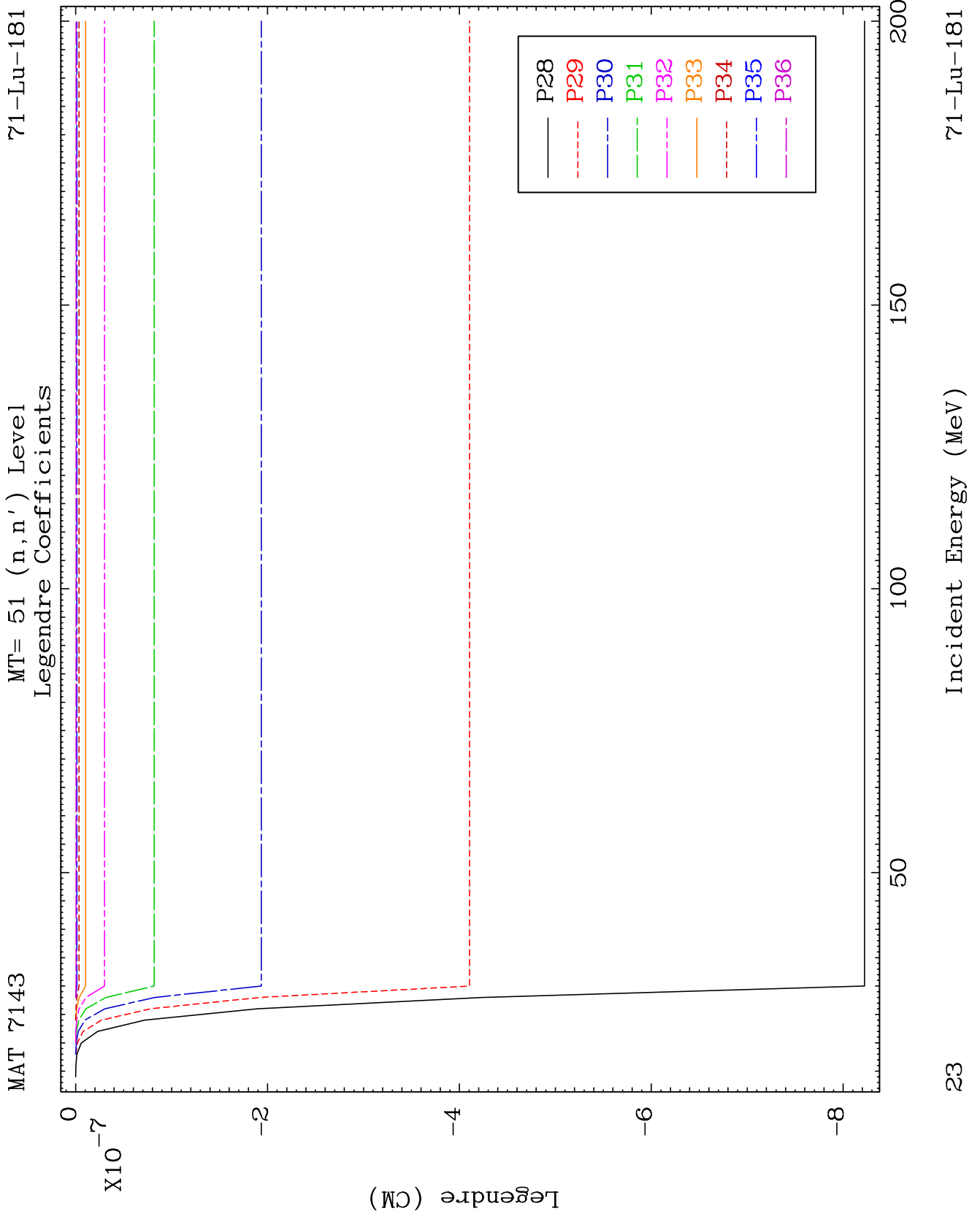


21

Incident Energy (MeV)

71-Lu-181

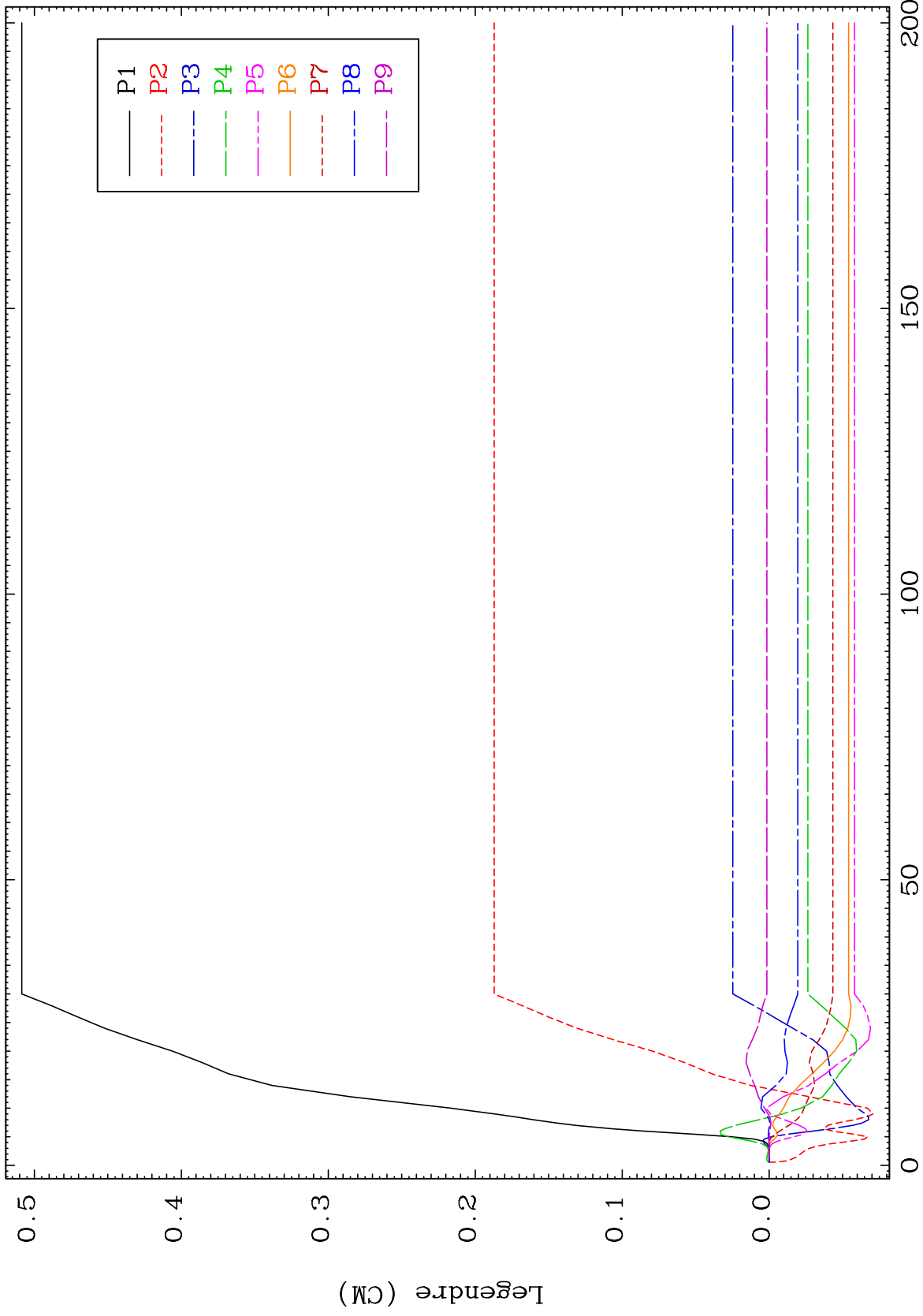




MAT 7143

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

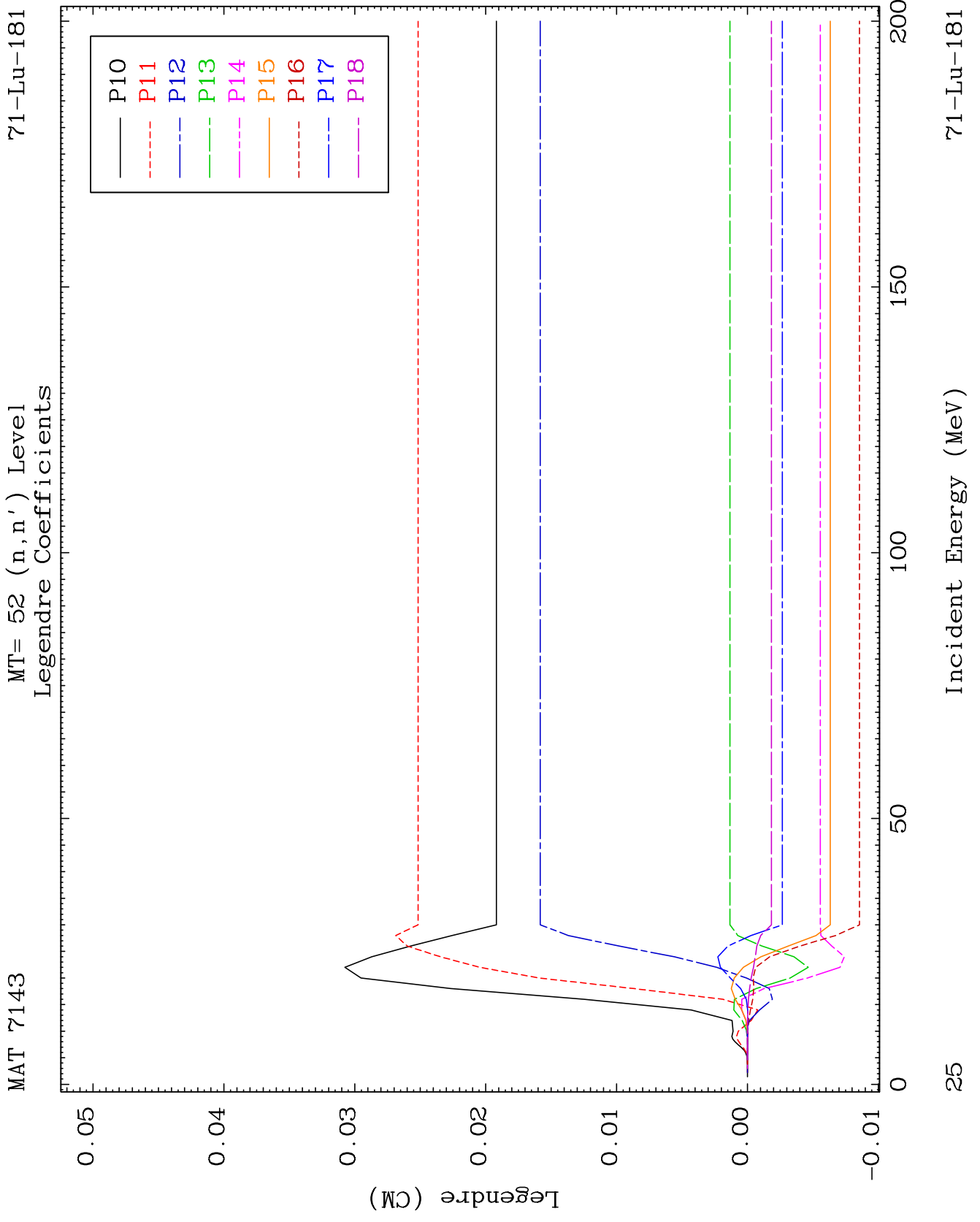
71-Lu-181



24

Incident Energy (MeV)

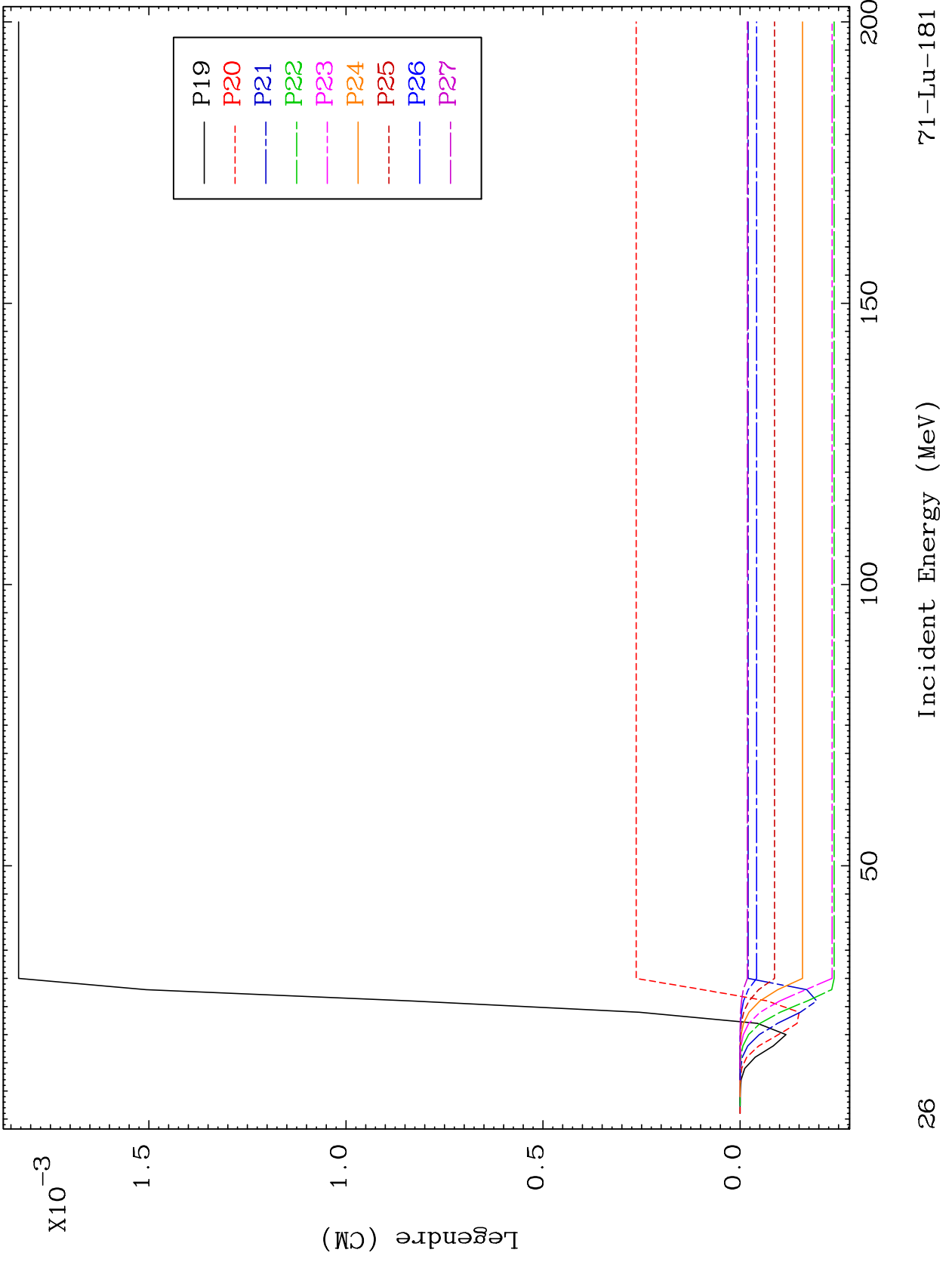
71-Lu-181



MAT 7143

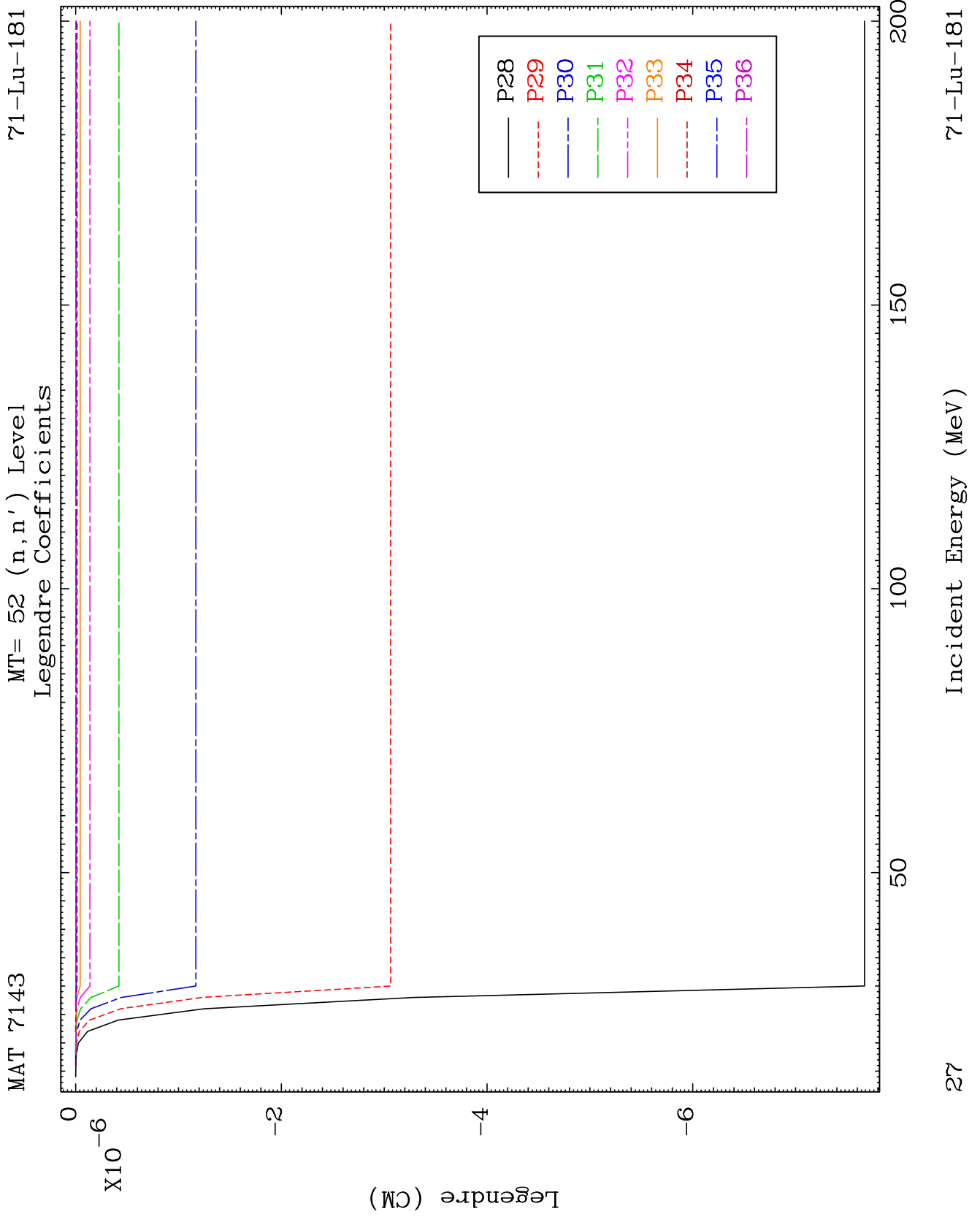
MT= 52 (n,n') Level
Legendre Coefficients

71-Lu-181



26

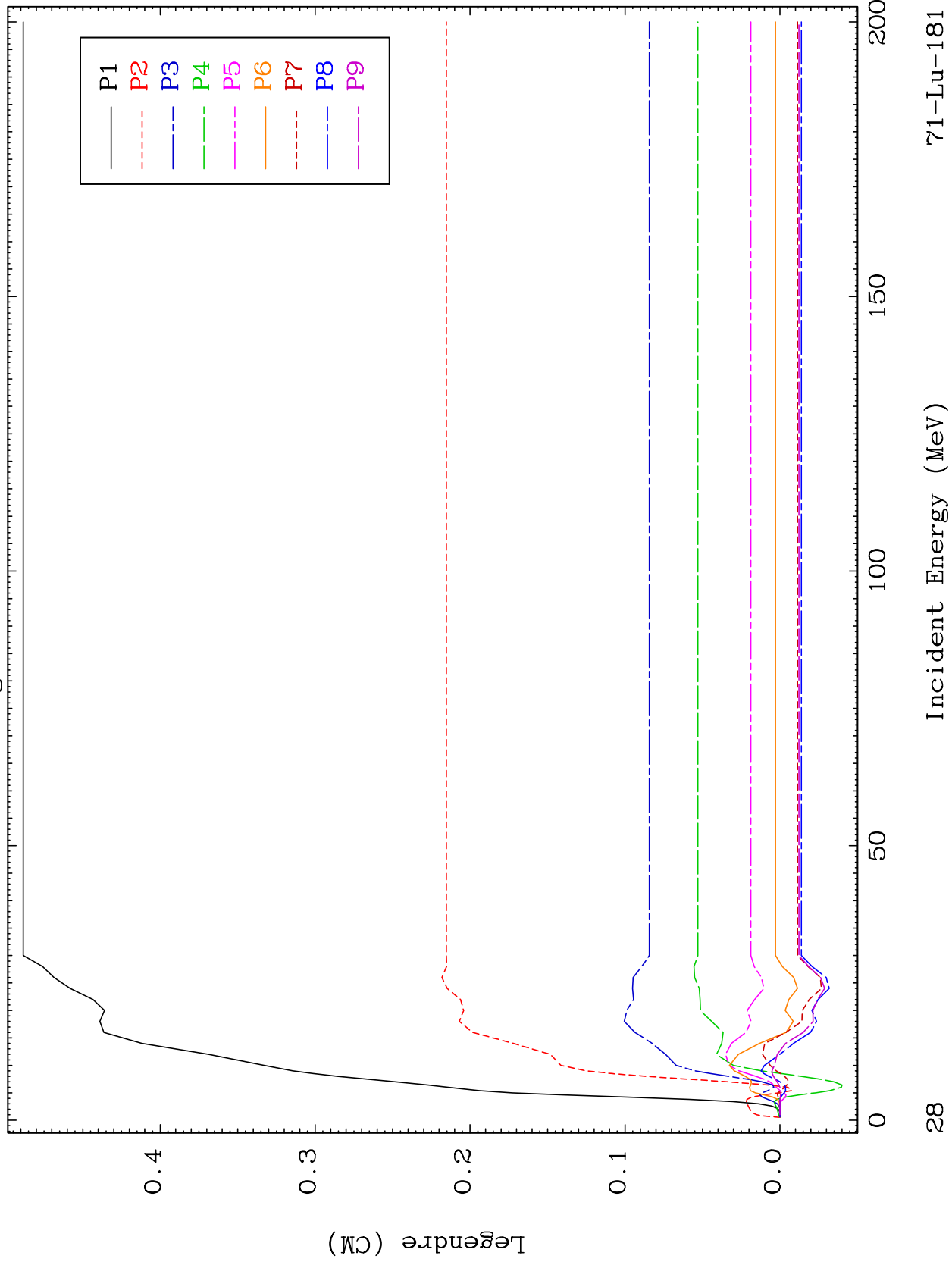
71-Lu-181



MAT 7143

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

71-Lu-181



71-Lu-181

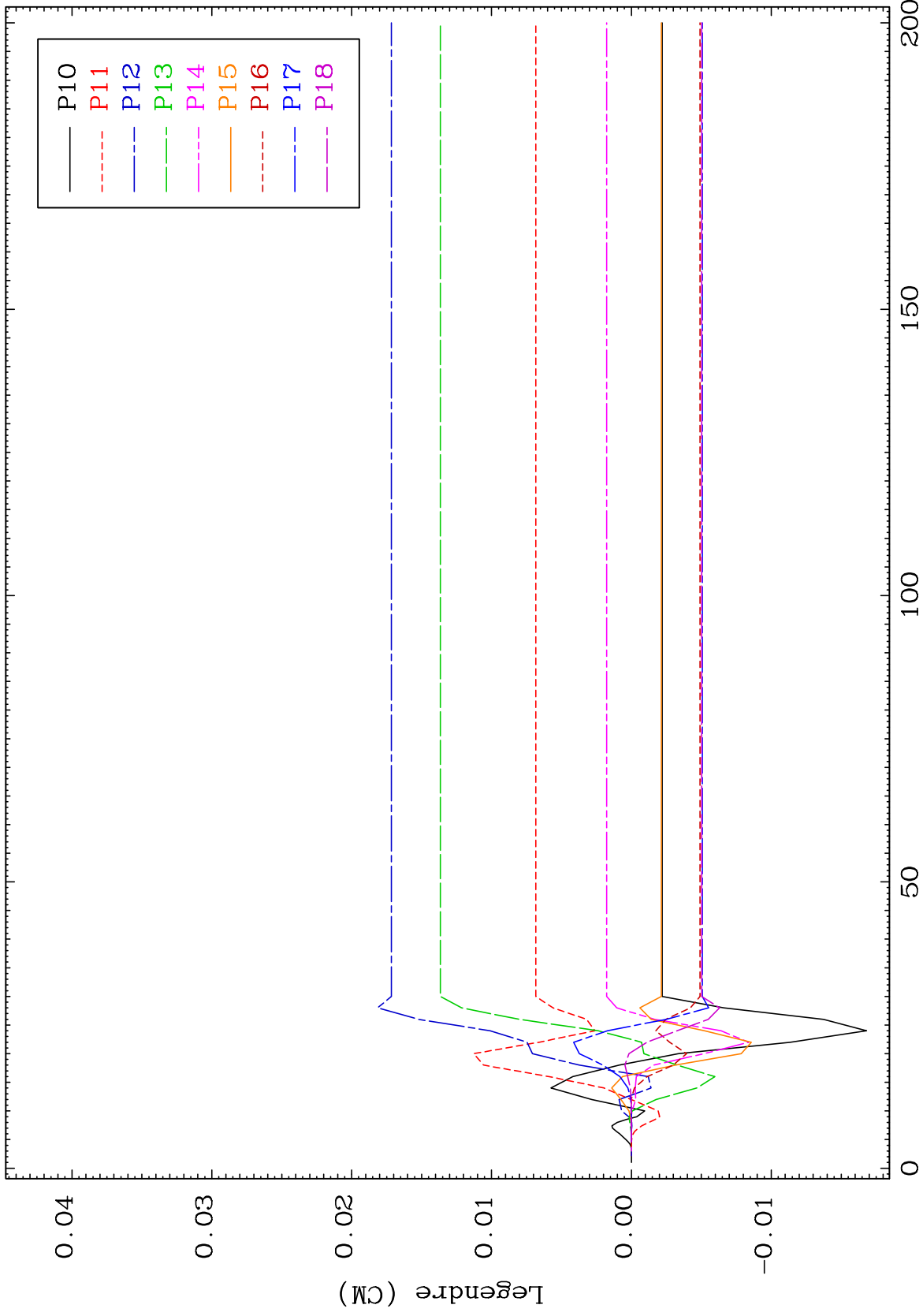
Incident Energy (MeV)

28

MAT 7143

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

71-Lu-181



29

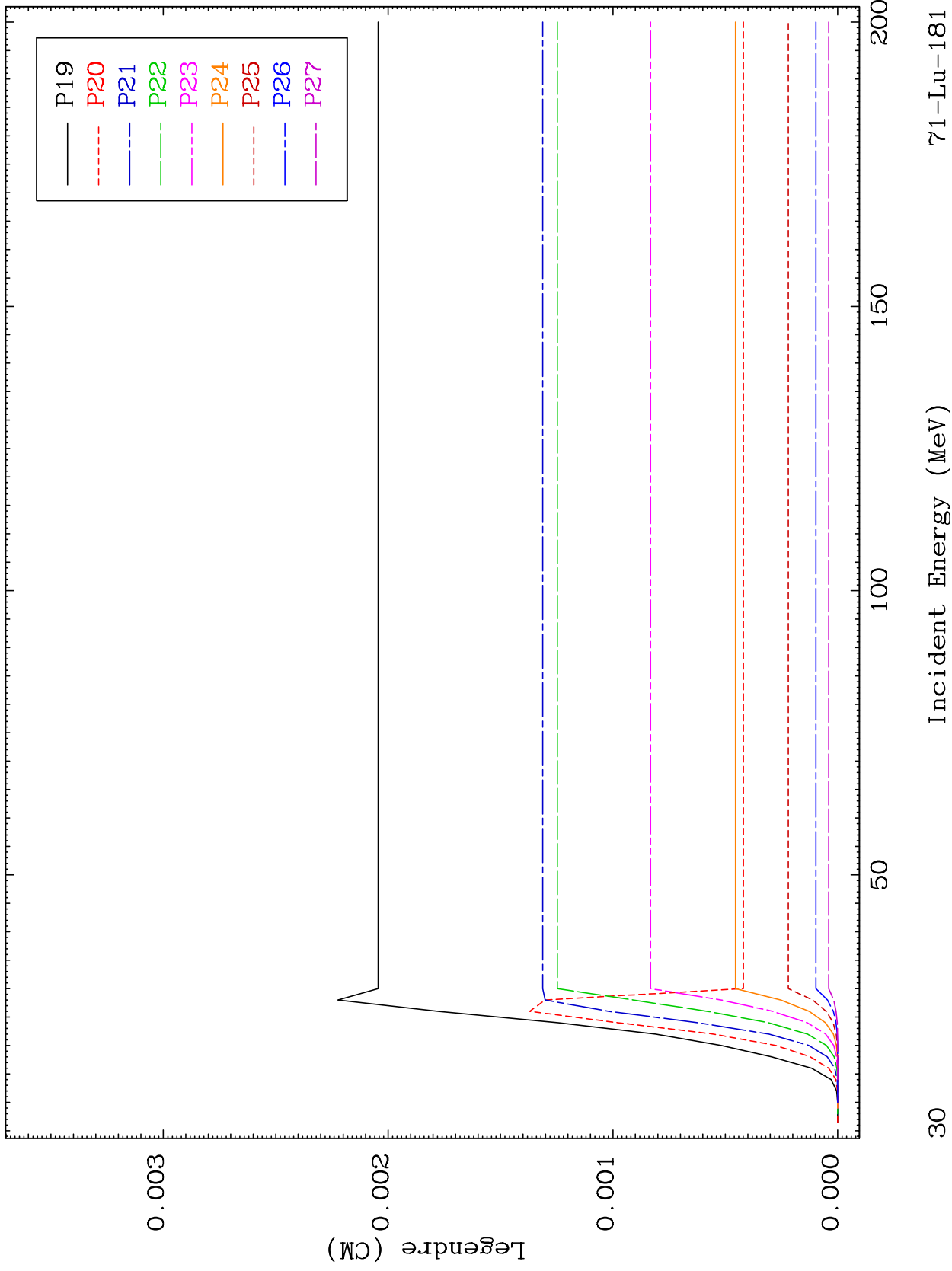
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



30

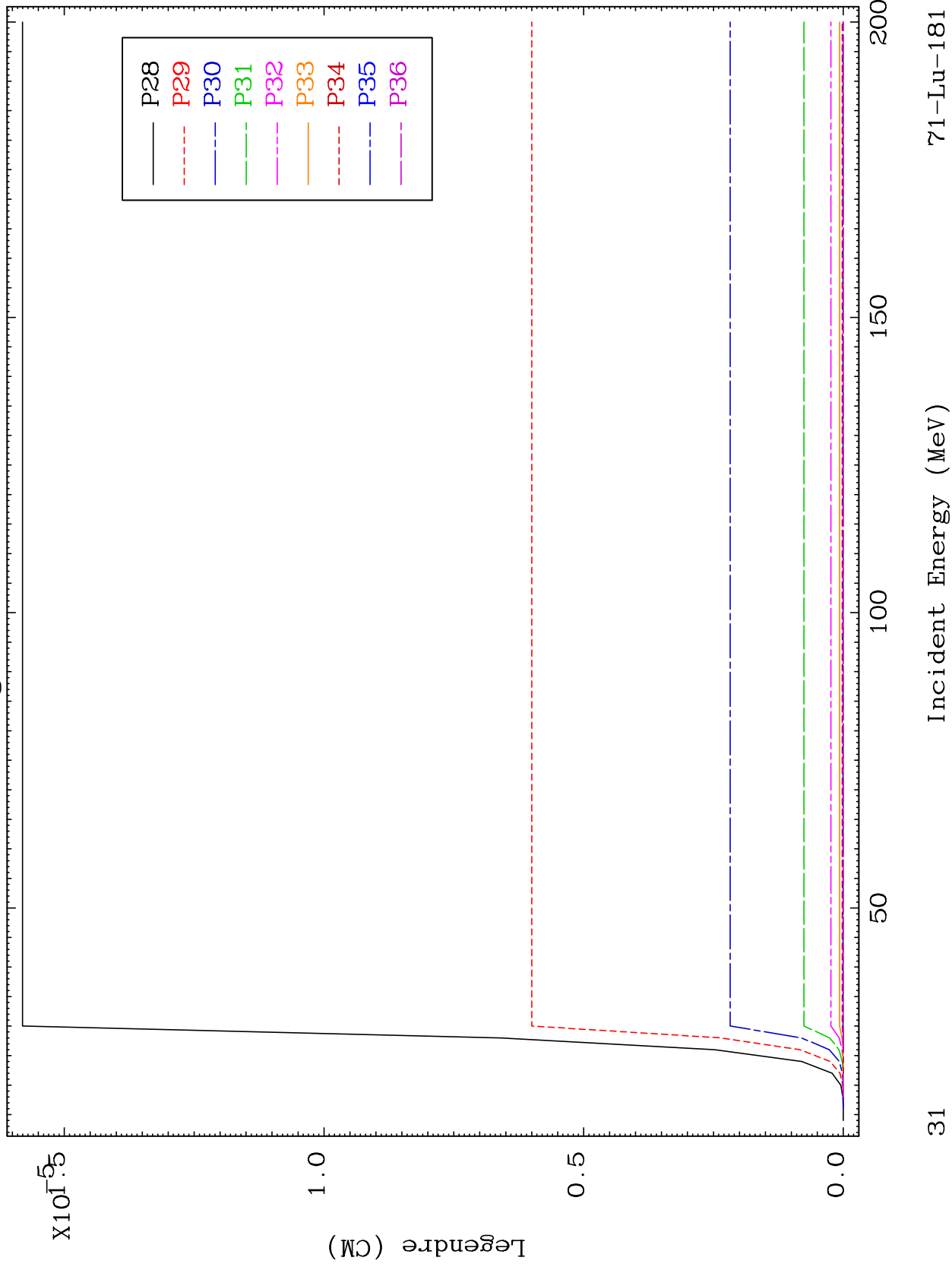
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



31

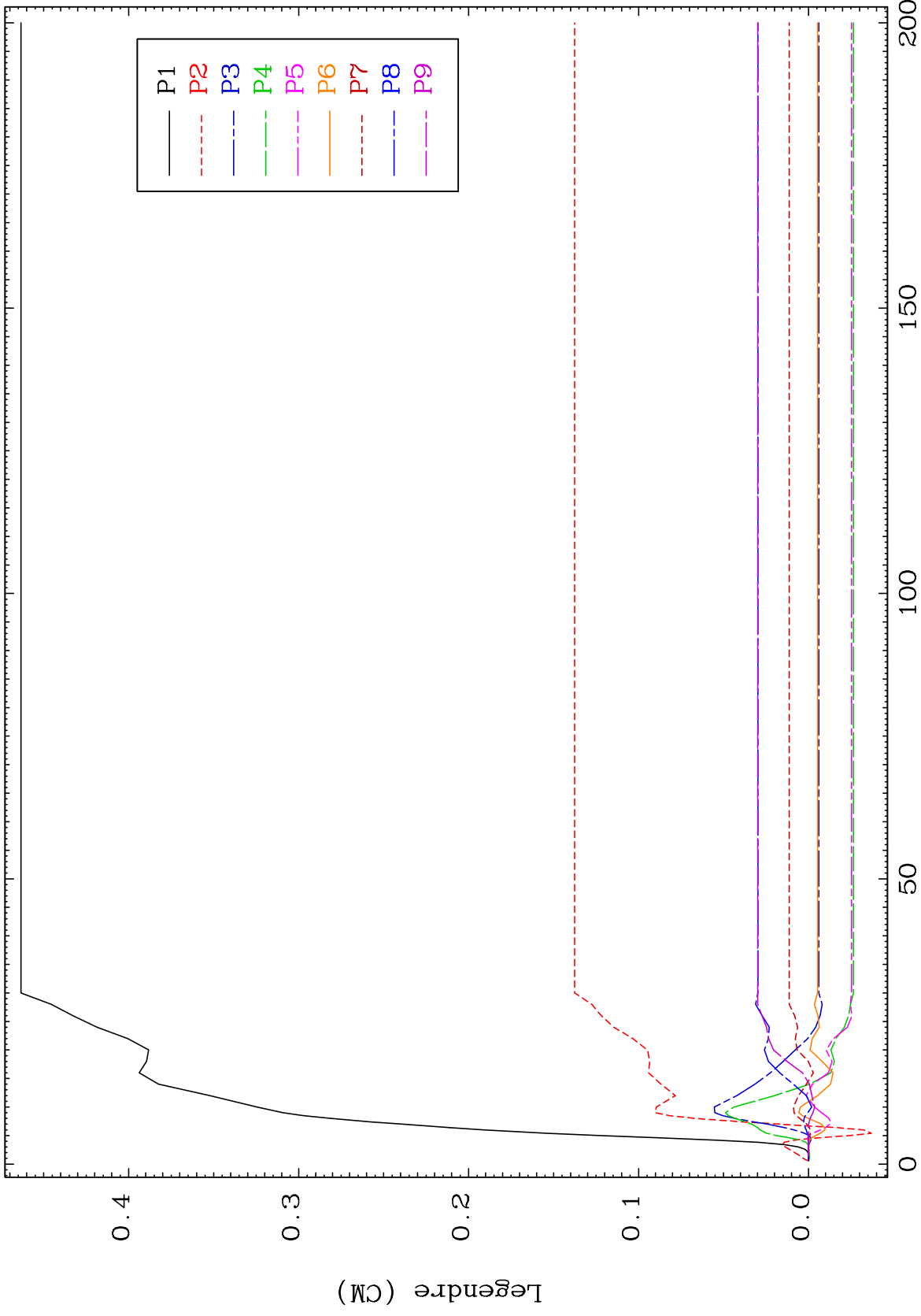
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



32

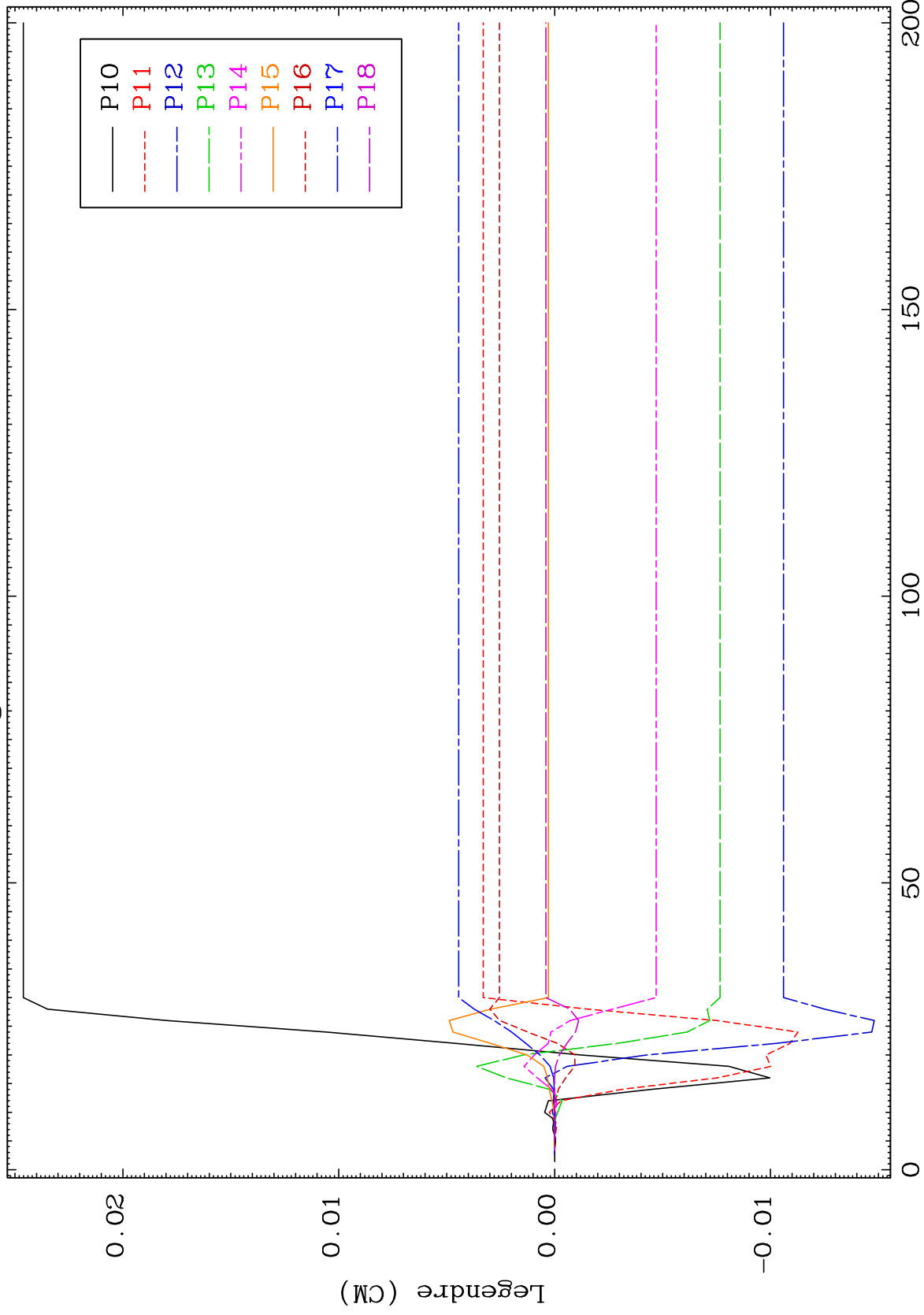
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



33

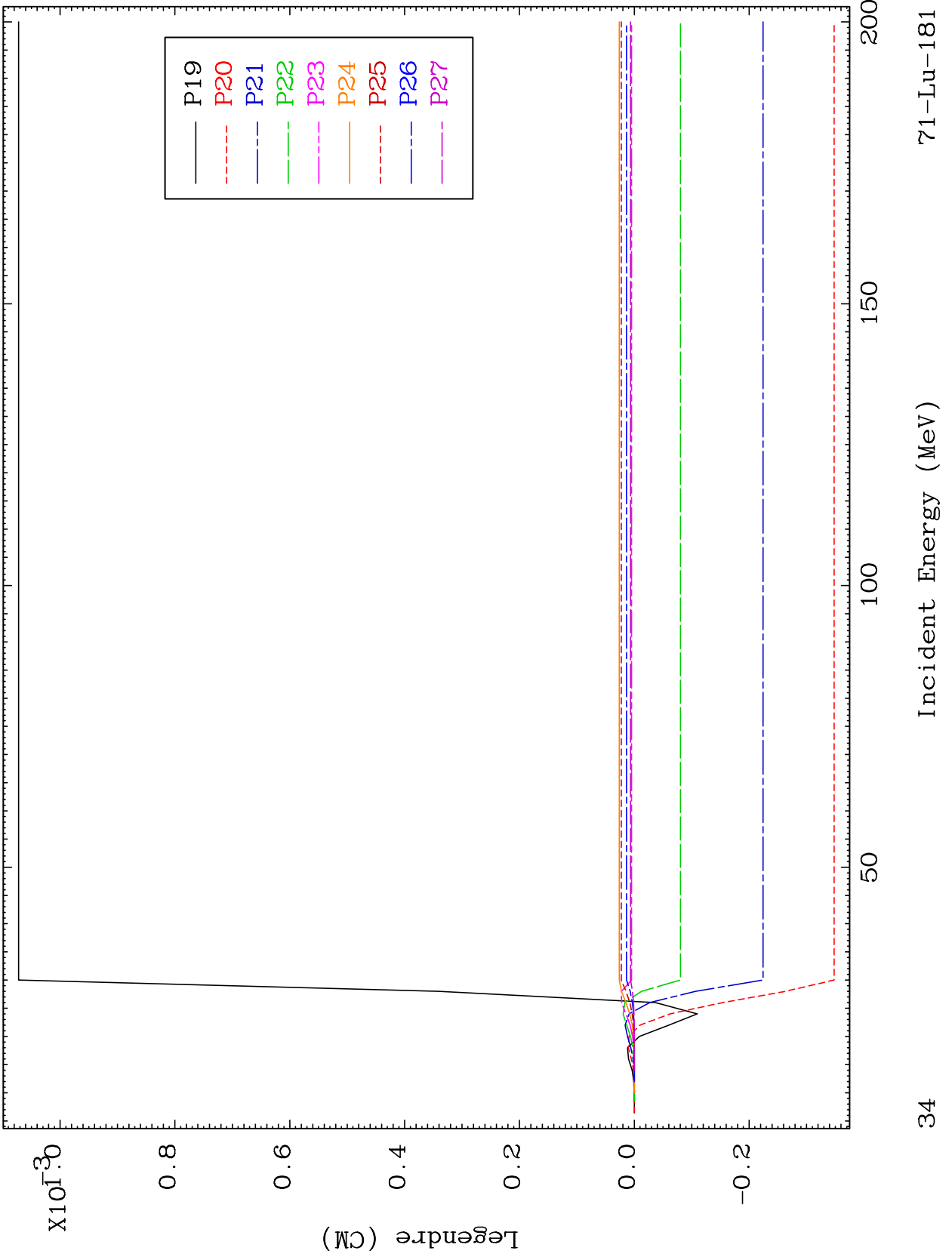
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

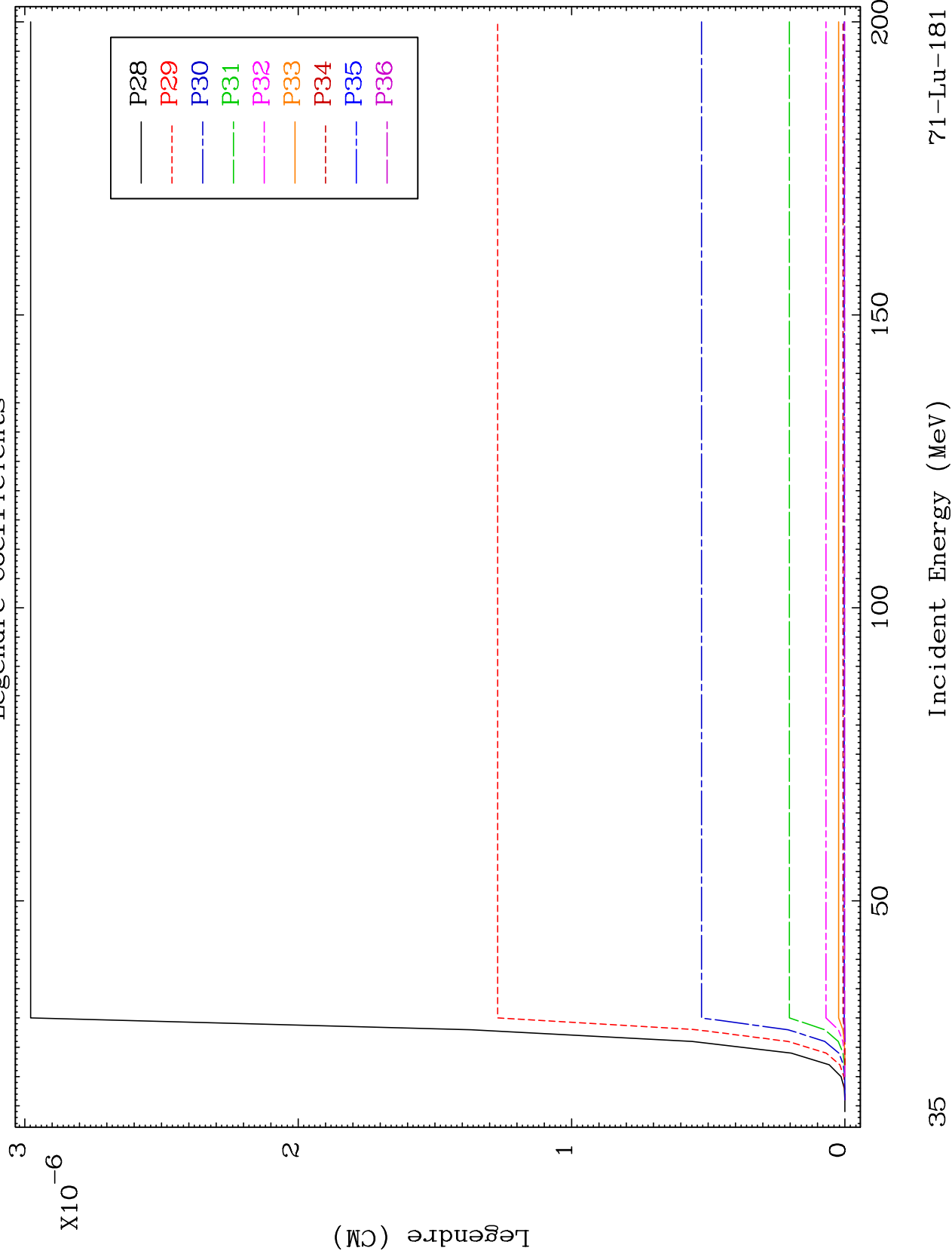
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MAT 7143

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

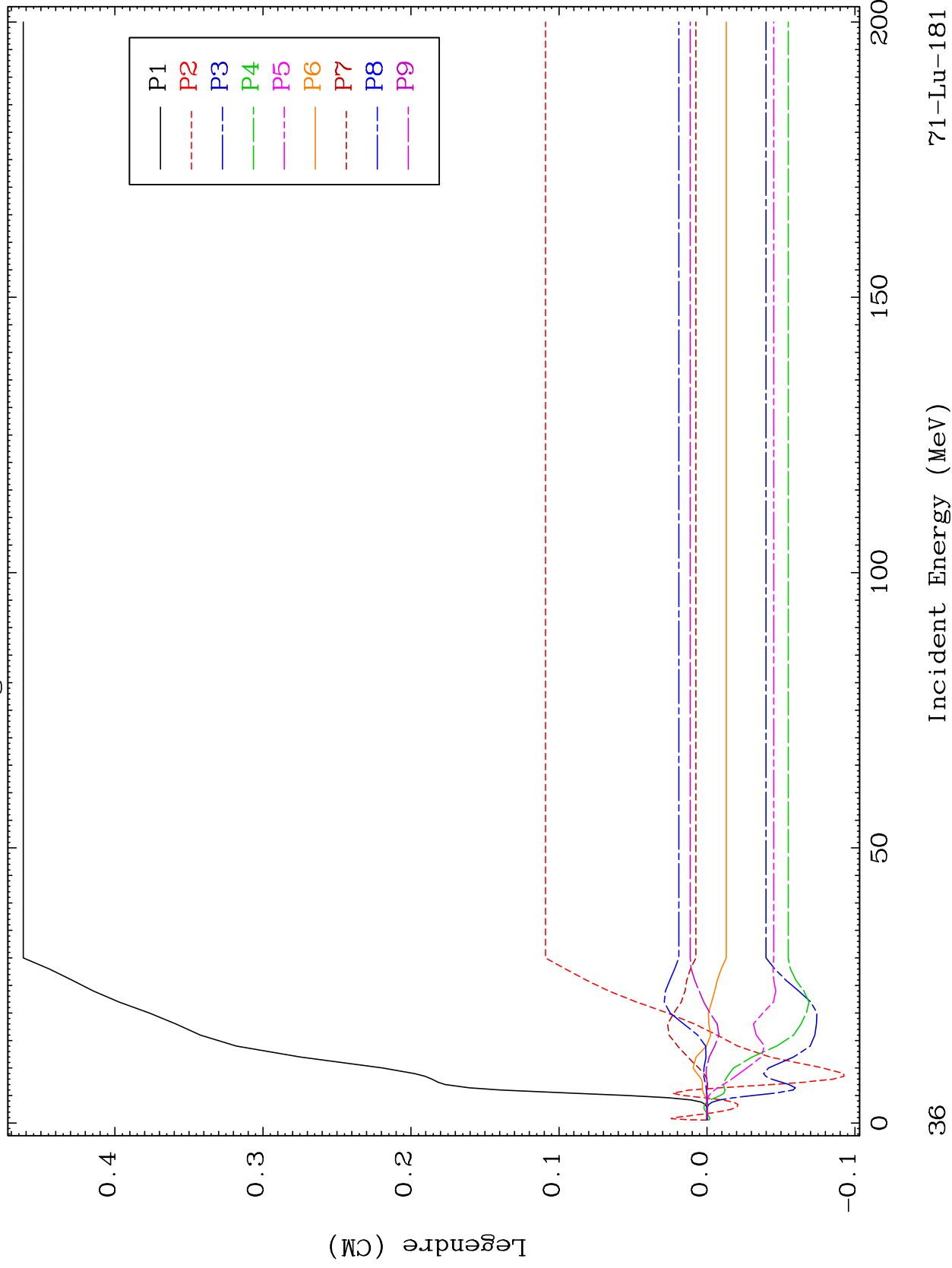
71-Lu-181



MAT 7143

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

71-Lu-181



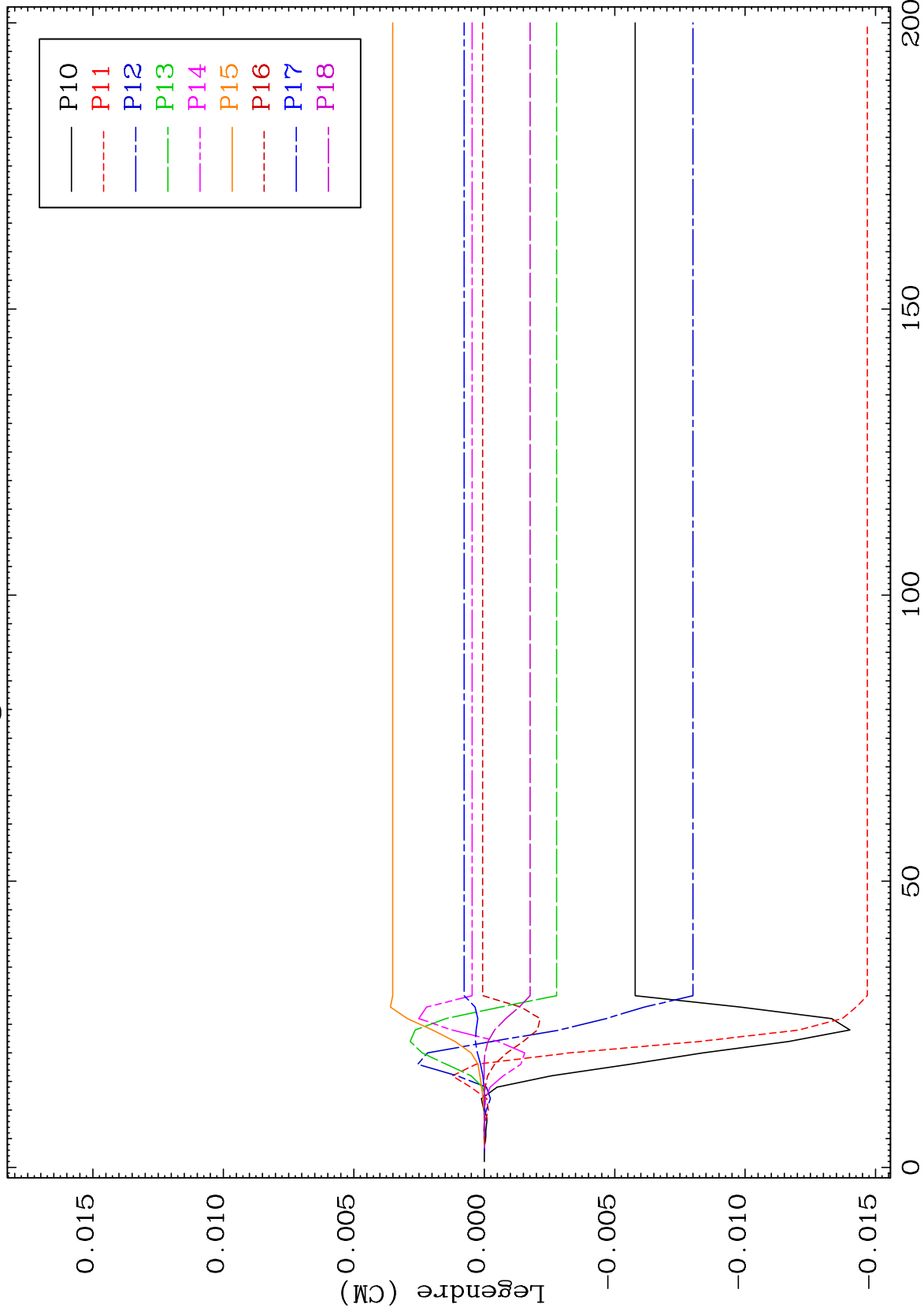
36

71-Lu-181

MAT 7143

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

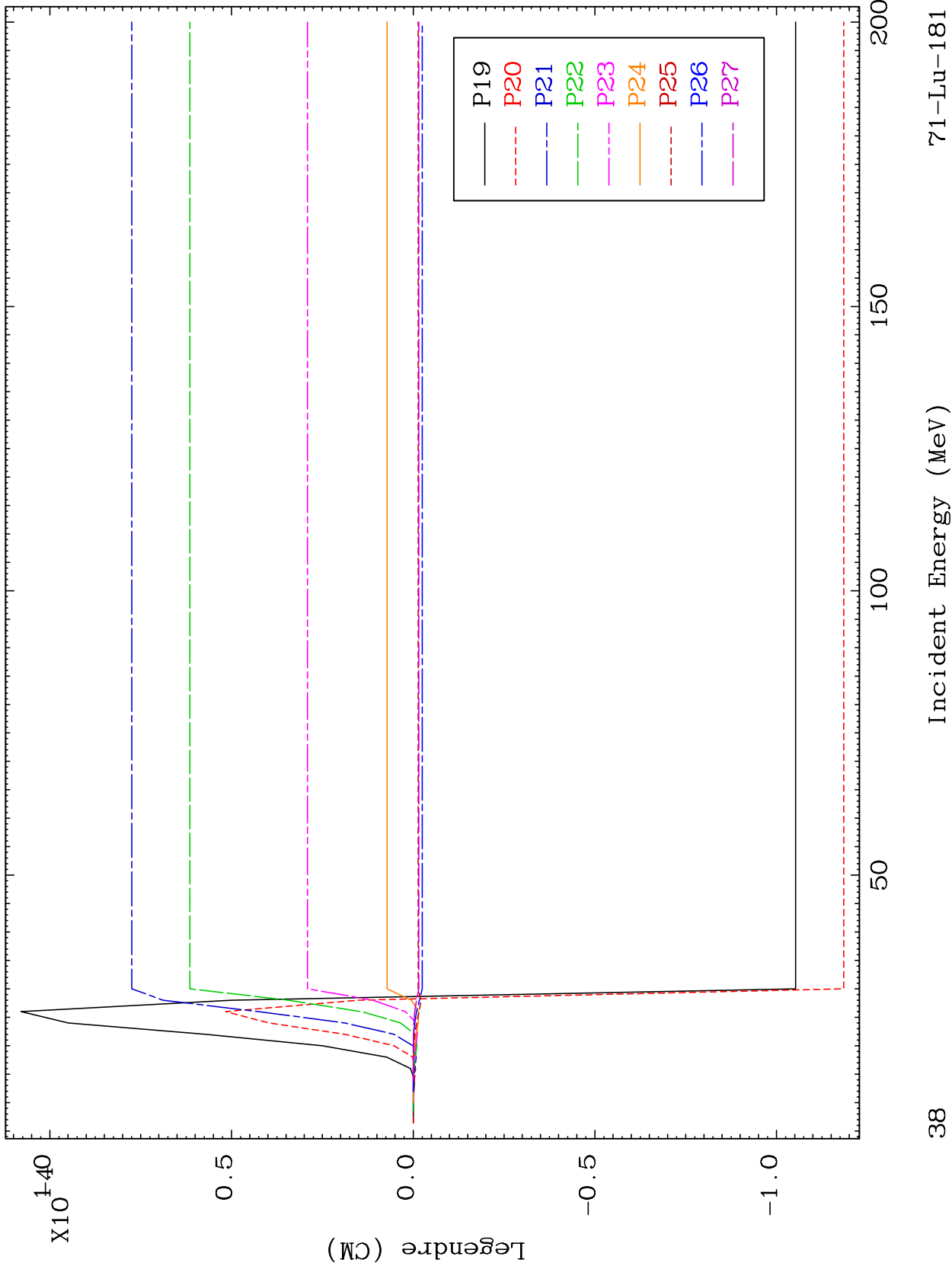
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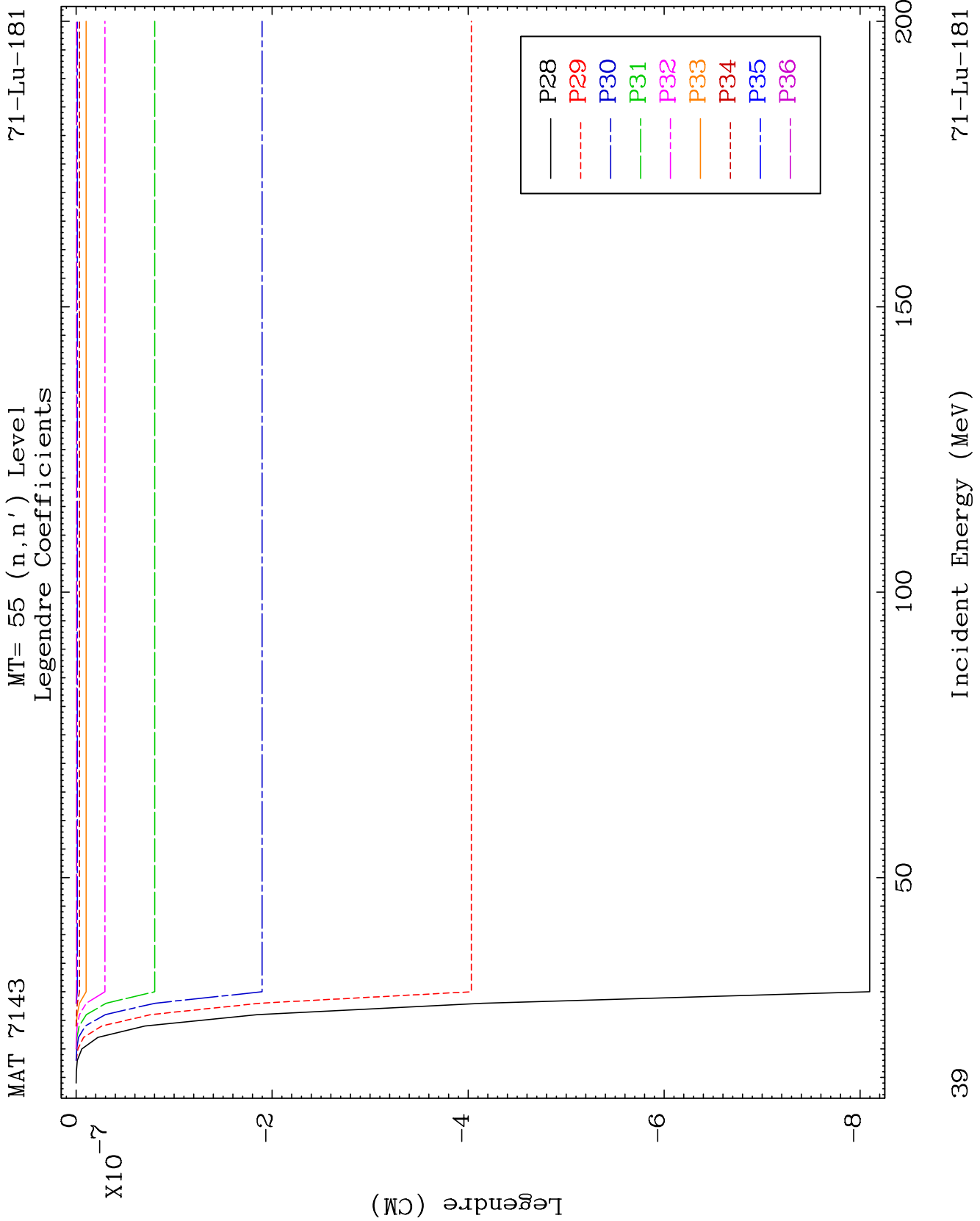


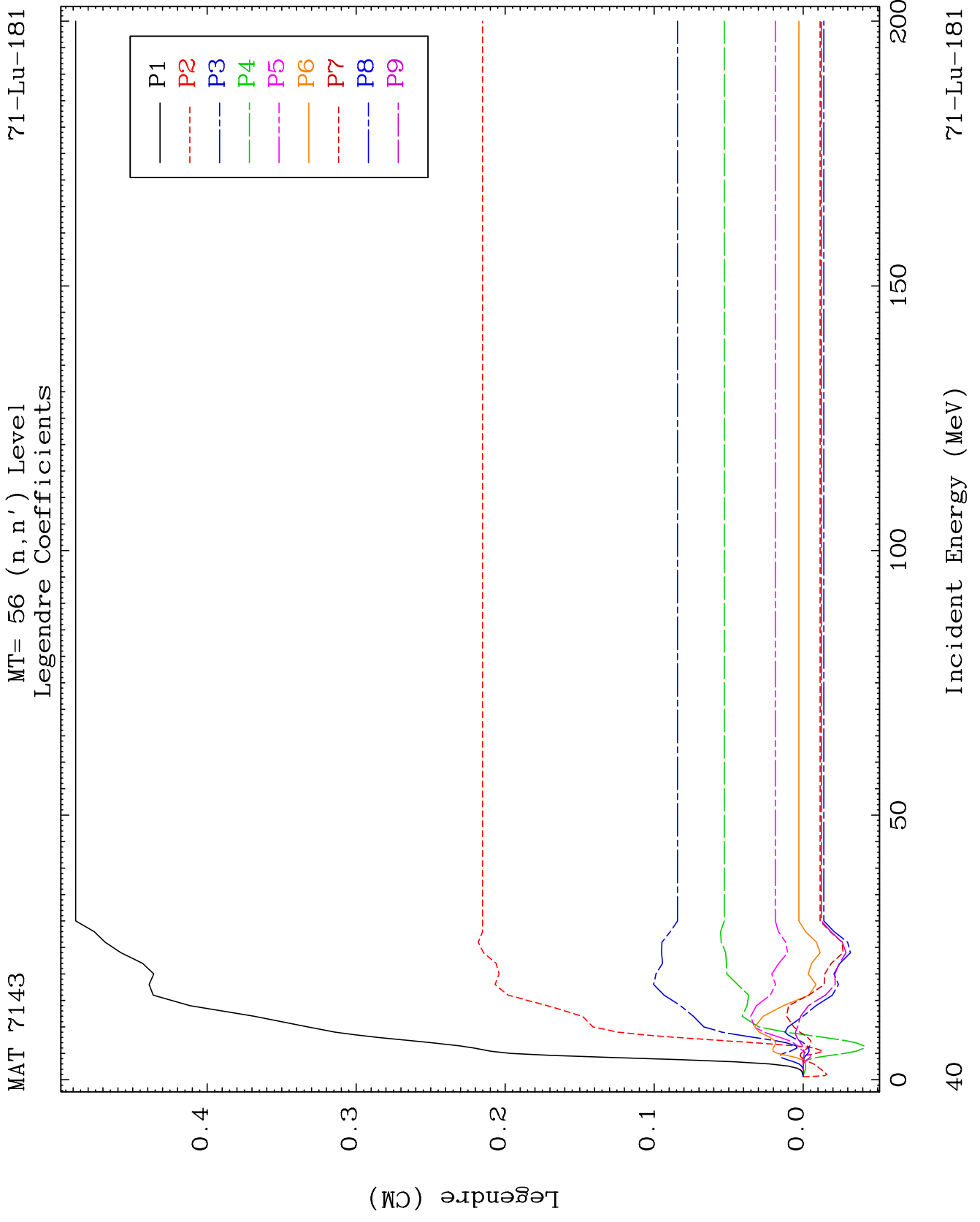
37

Incident Energy (MeV)

71-Lu-181



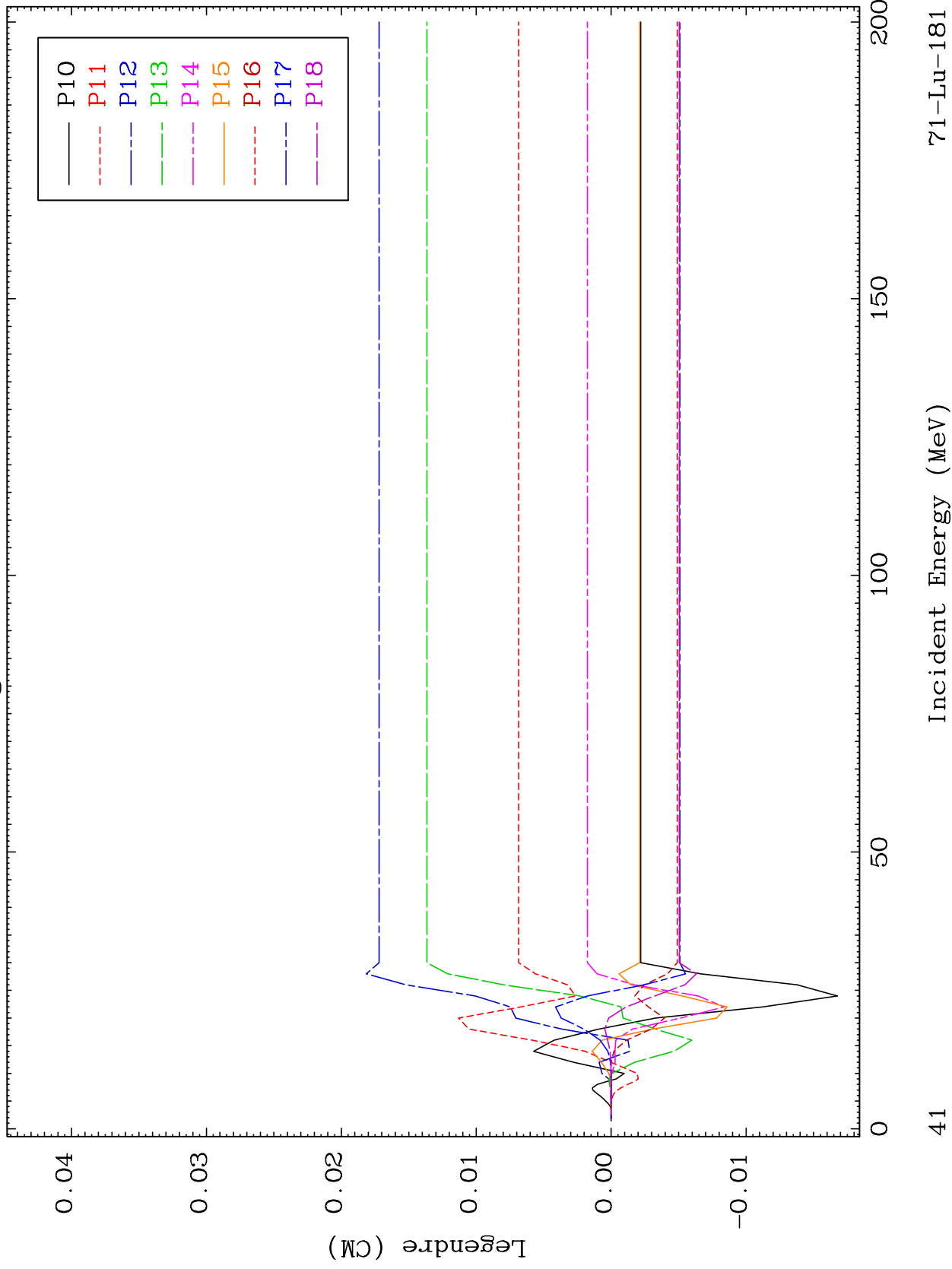




MAT 7143

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

71-Lu-181



71-Lu-181

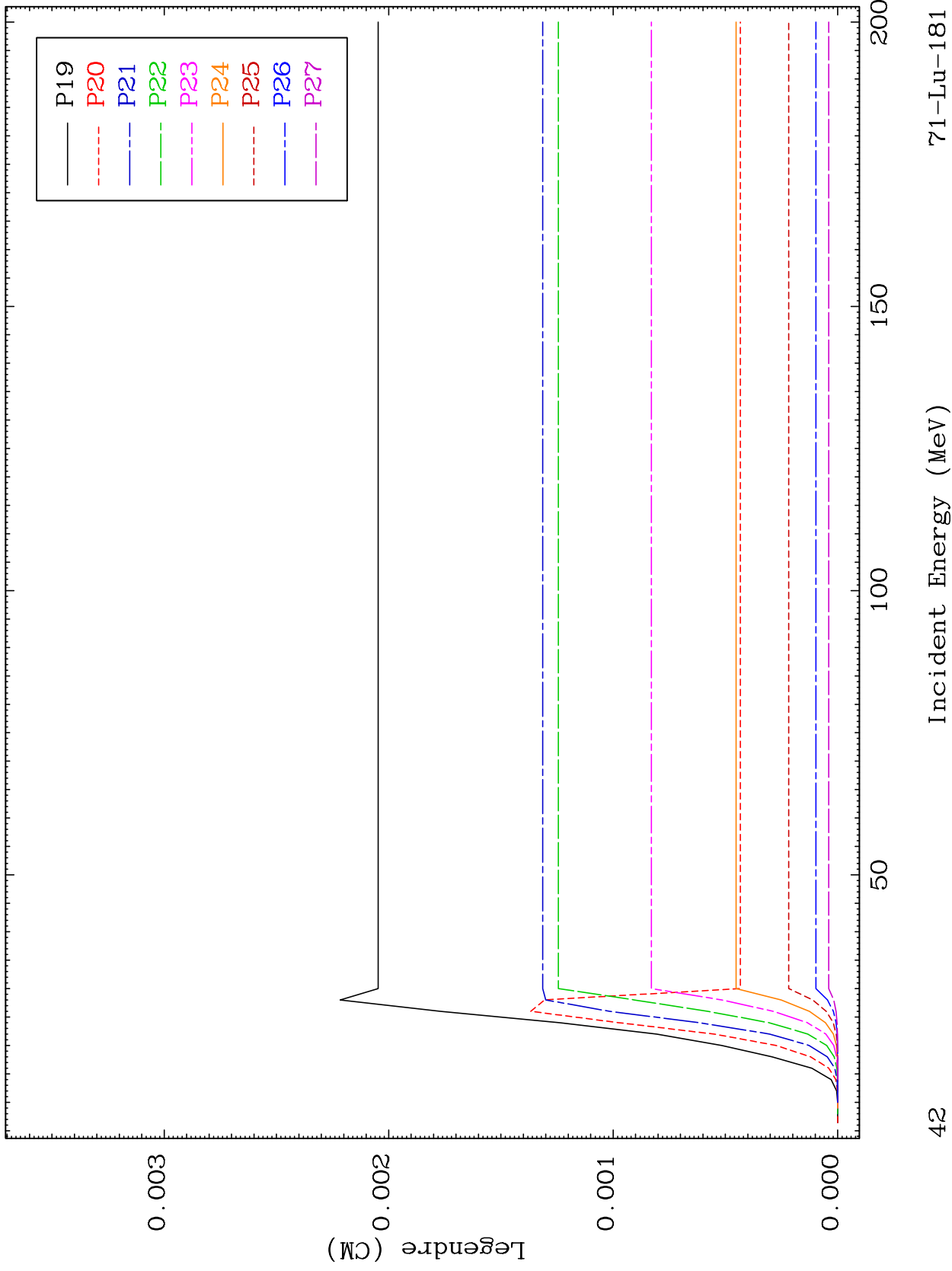
Incident Energy (MeV)

41

MAT 7143

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

71-Lu-181



42

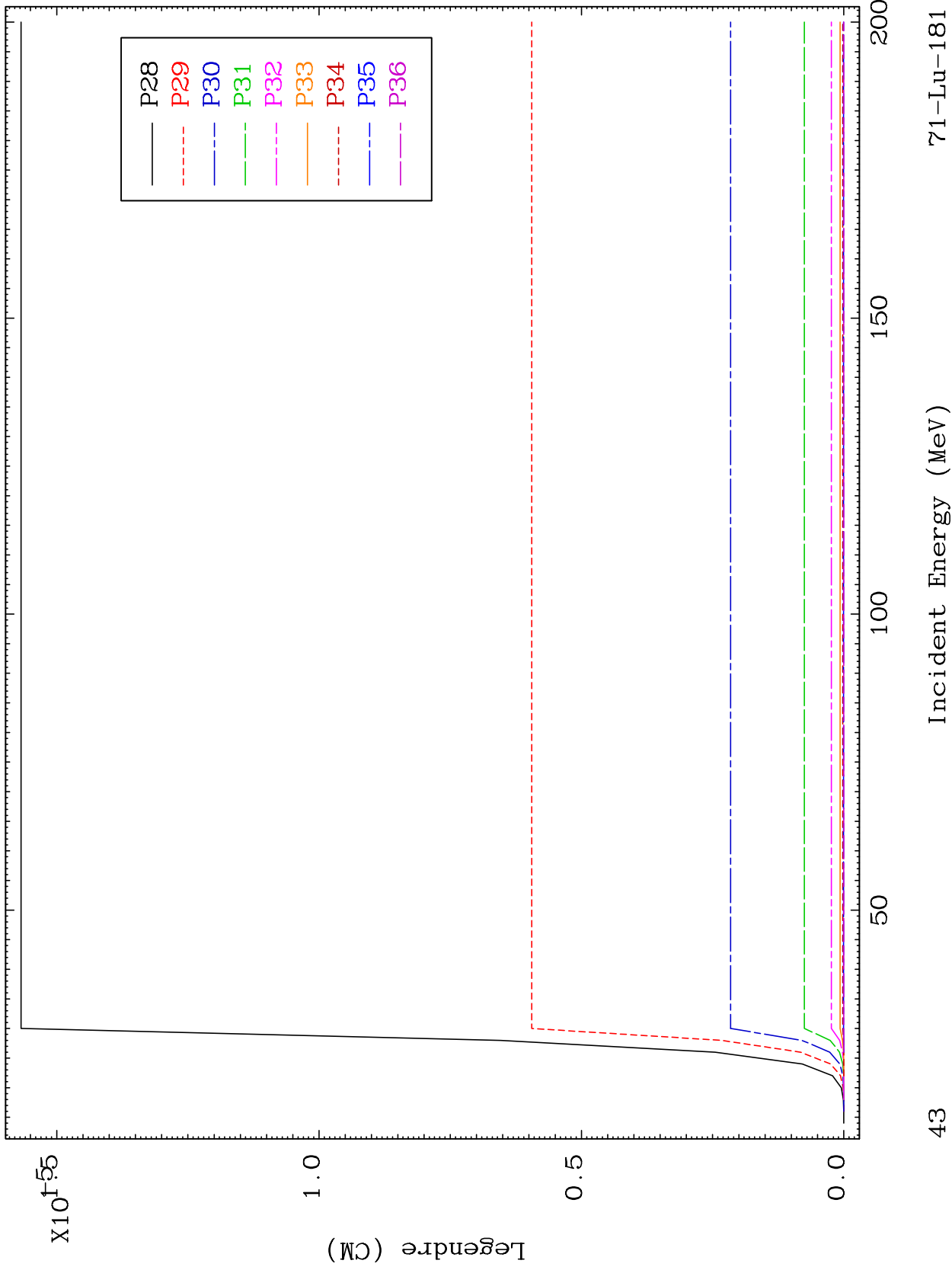
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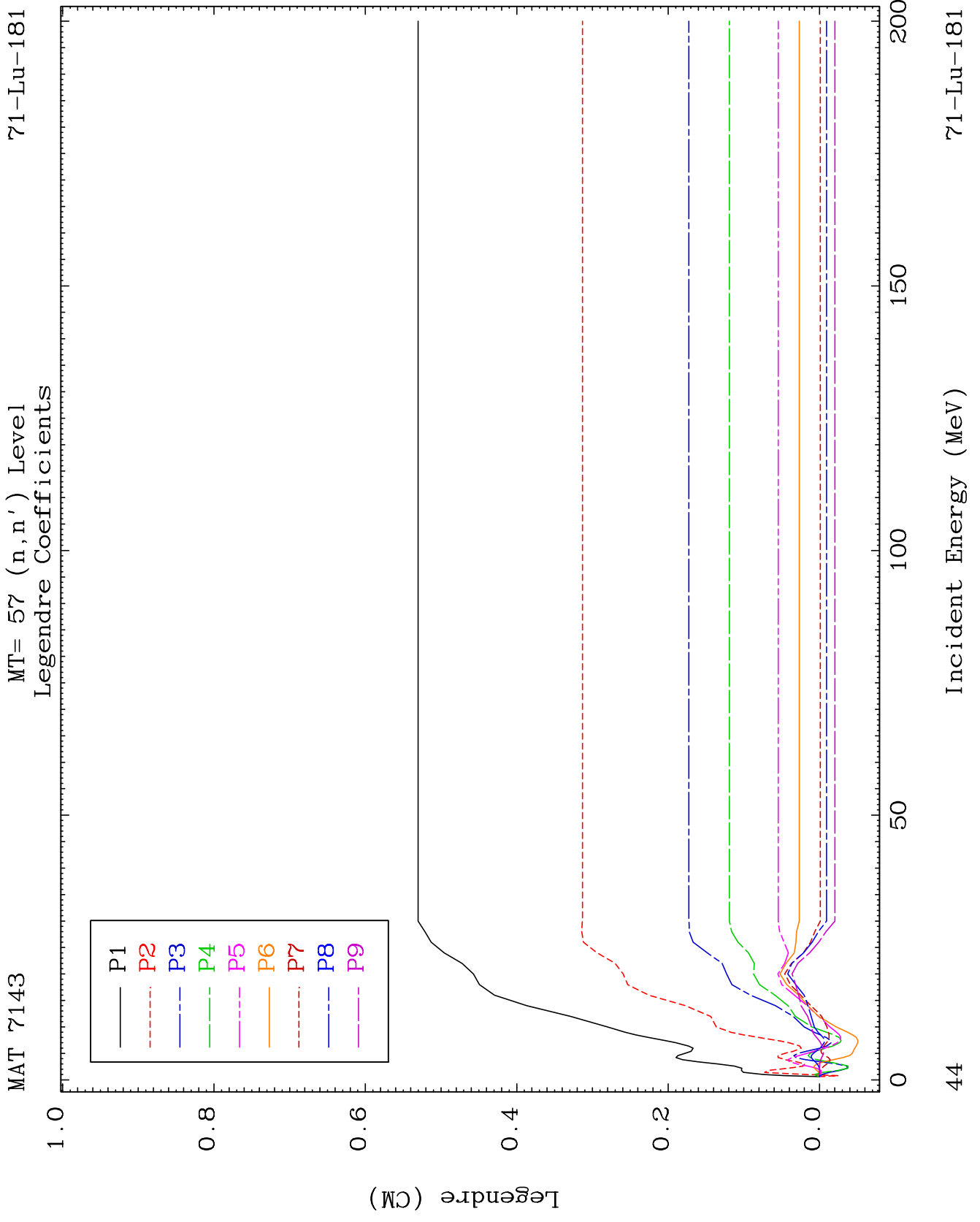
71-Lu-181

MAT 7143

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

71-Lu-181

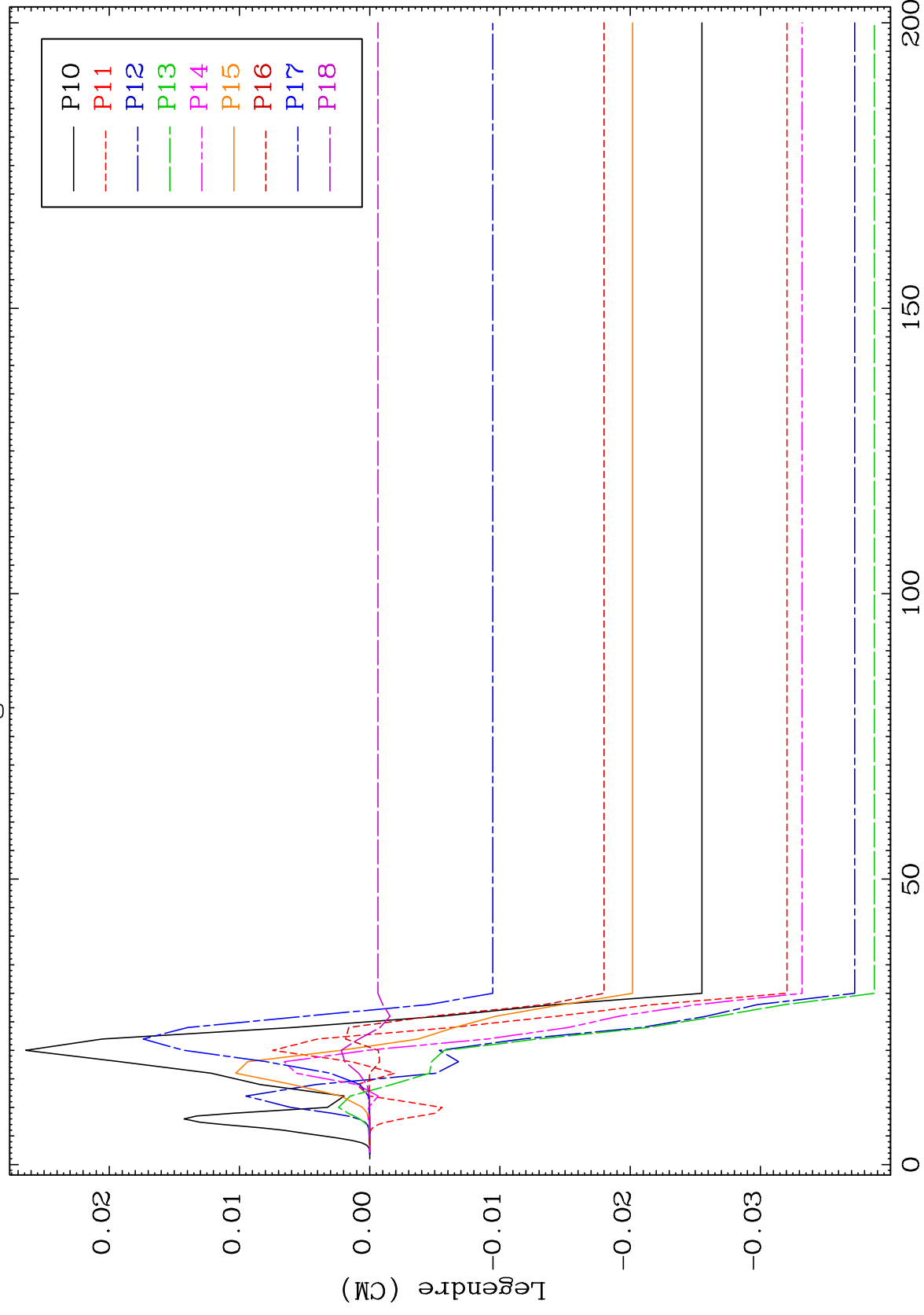




MAT 7143

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

71-Lu-181



45

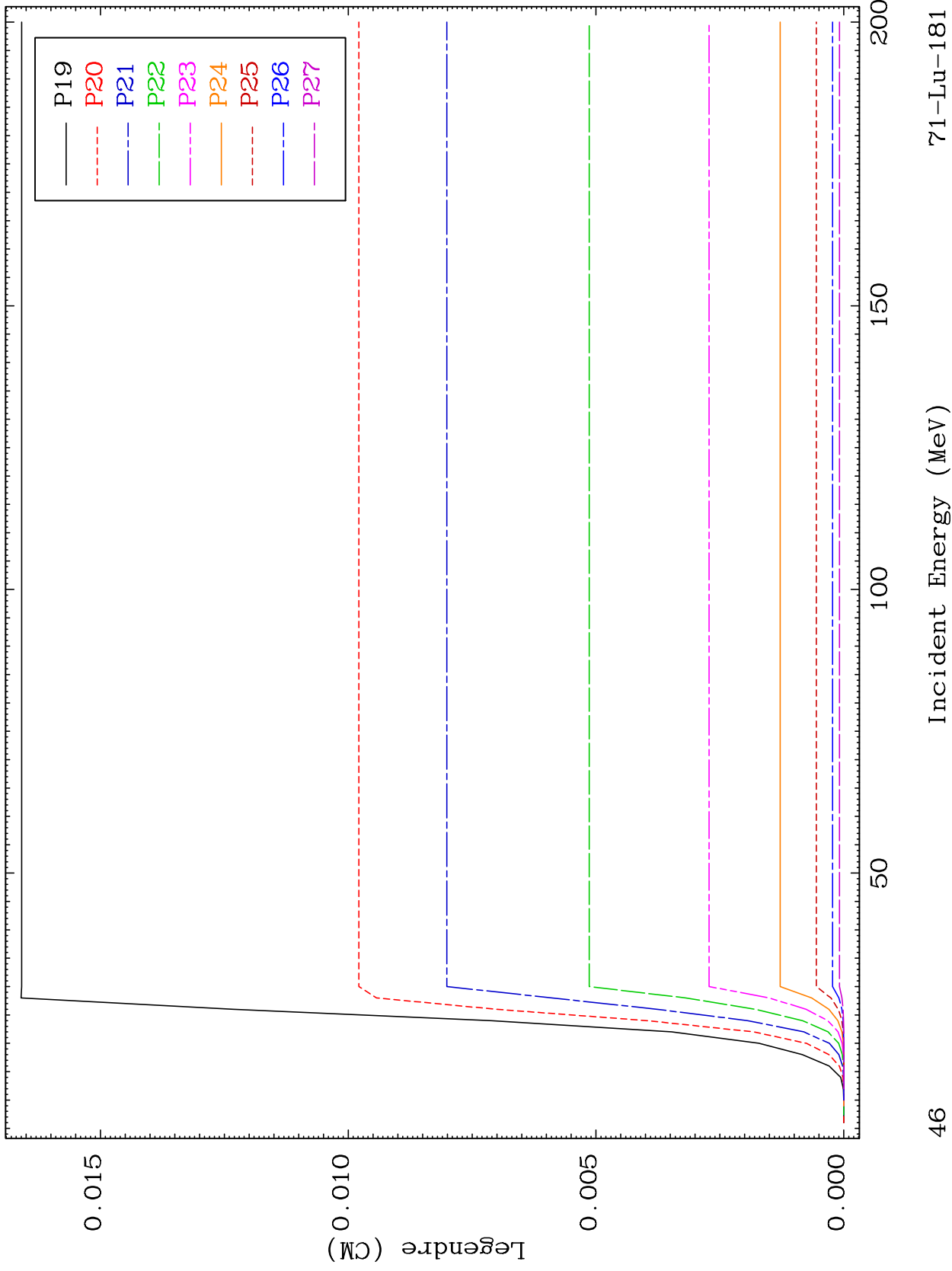
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



46

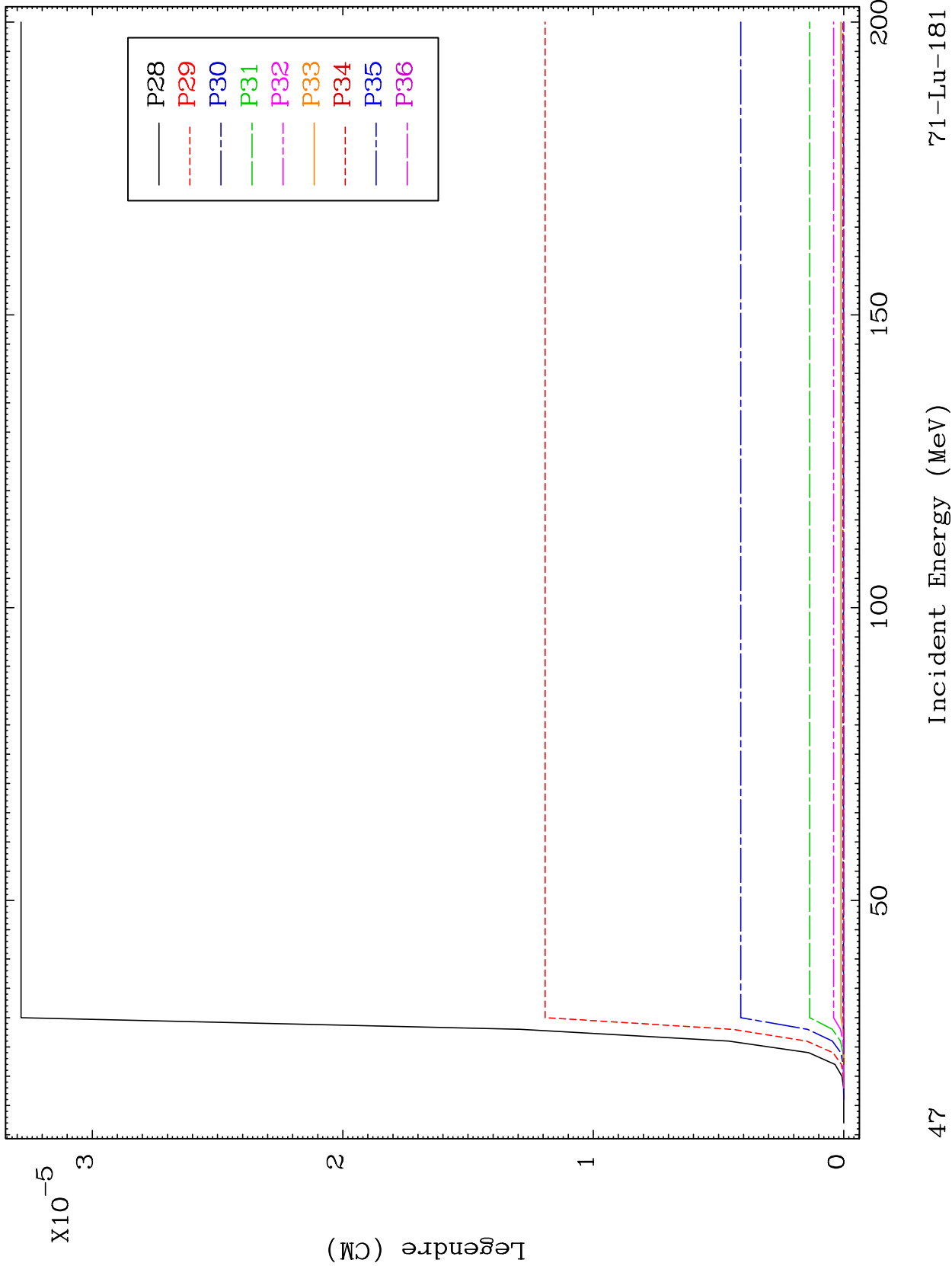
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

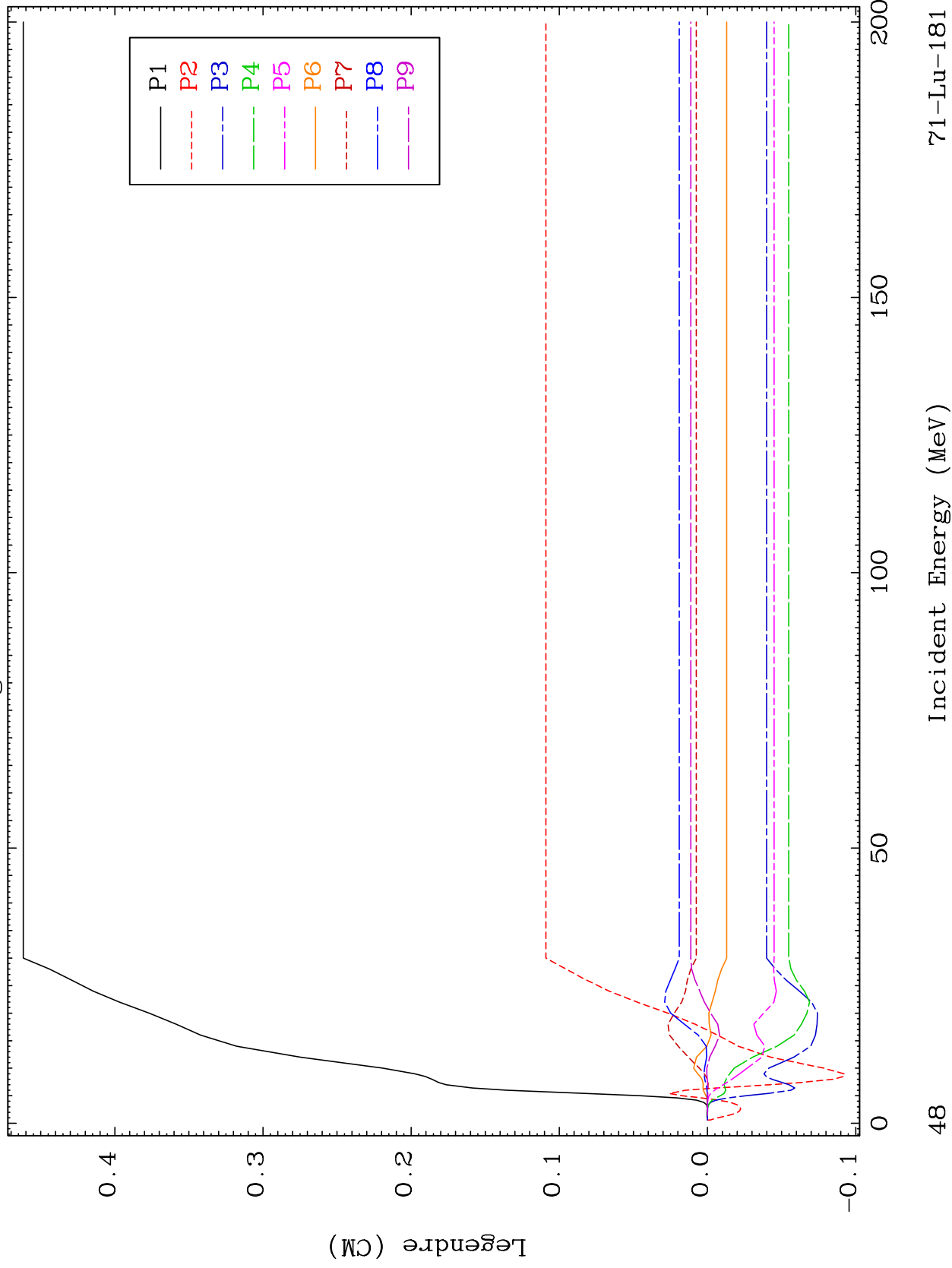
71-Lu-181



MAT 7143

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

71-Lu-181



48

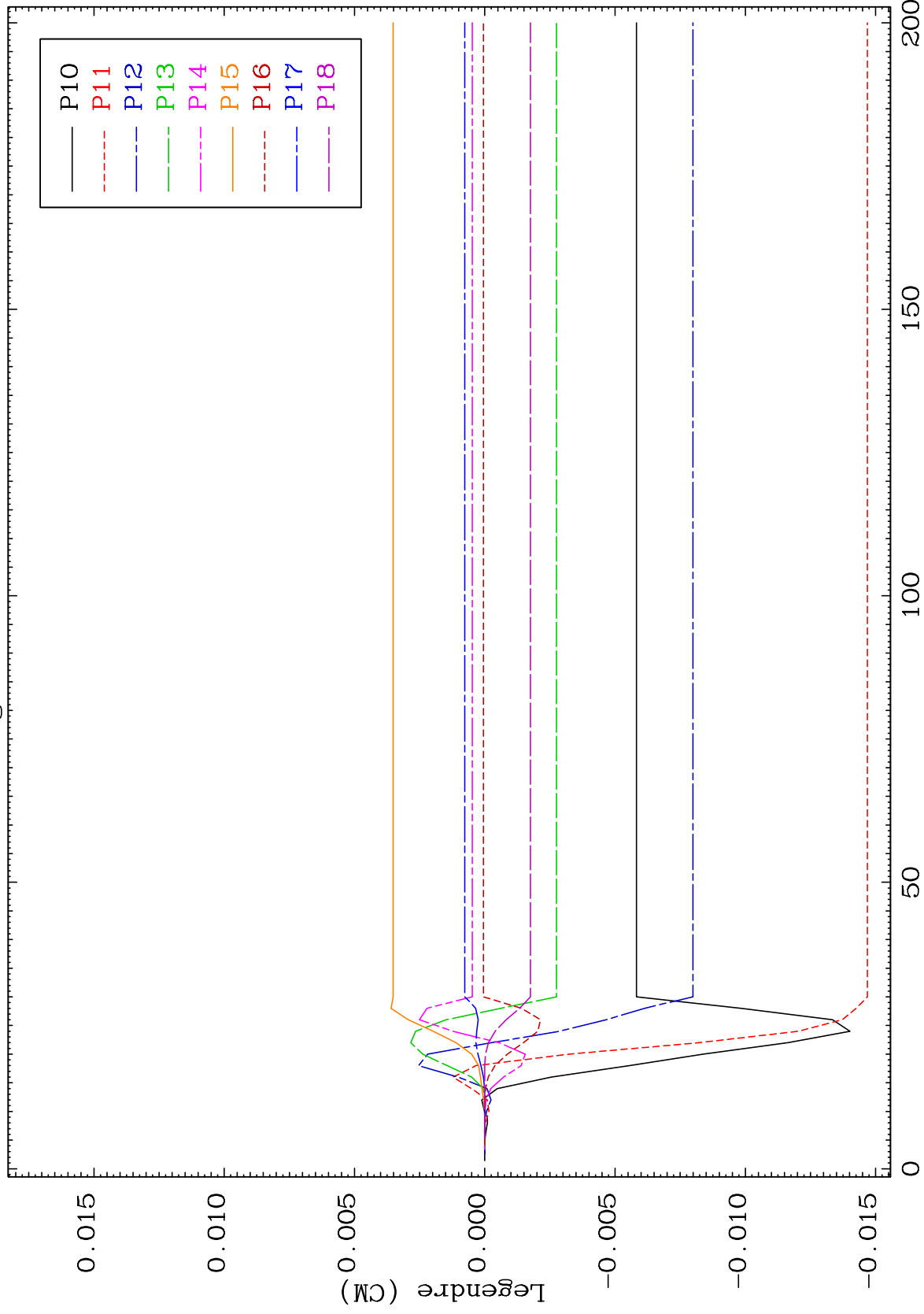
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



49

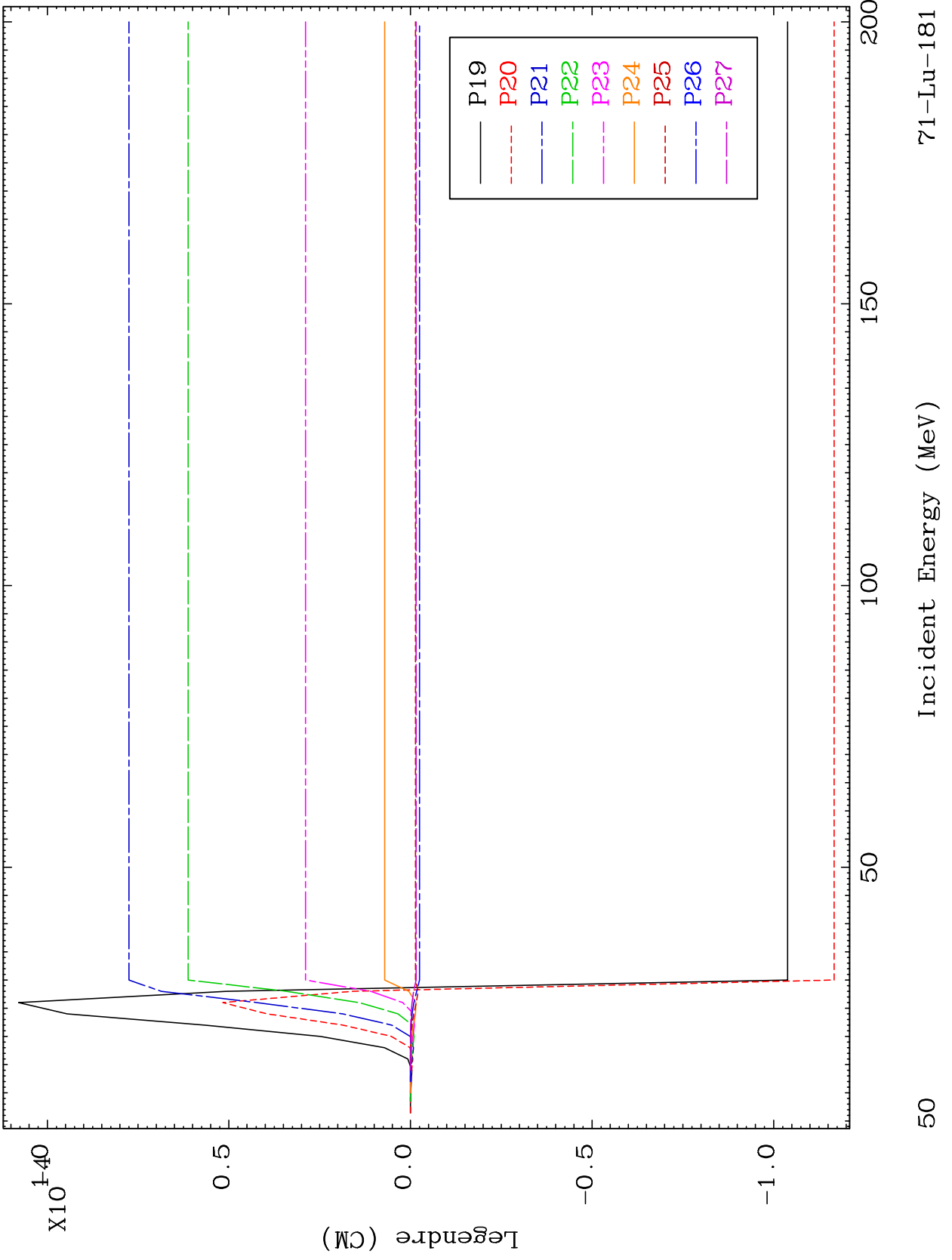
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

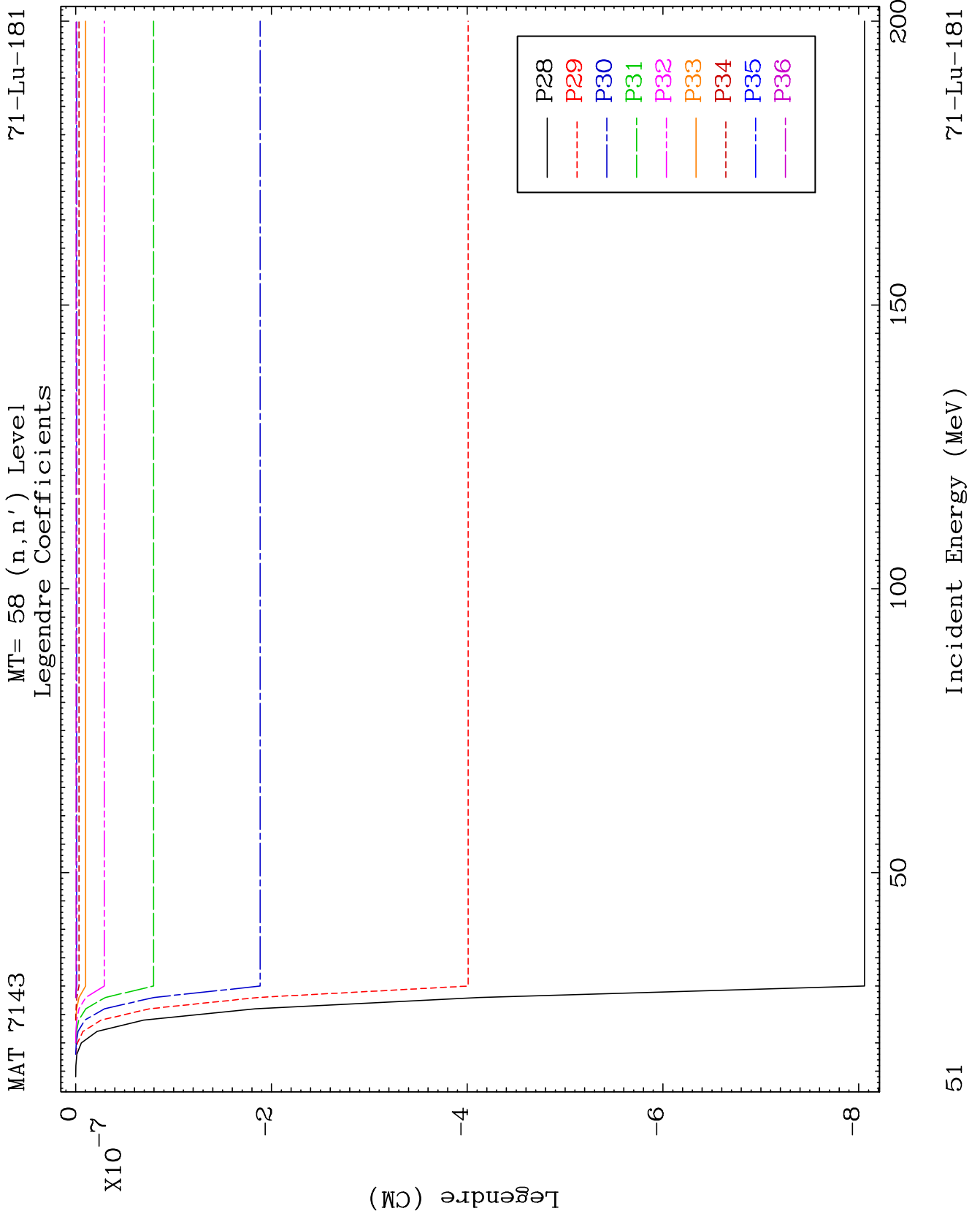
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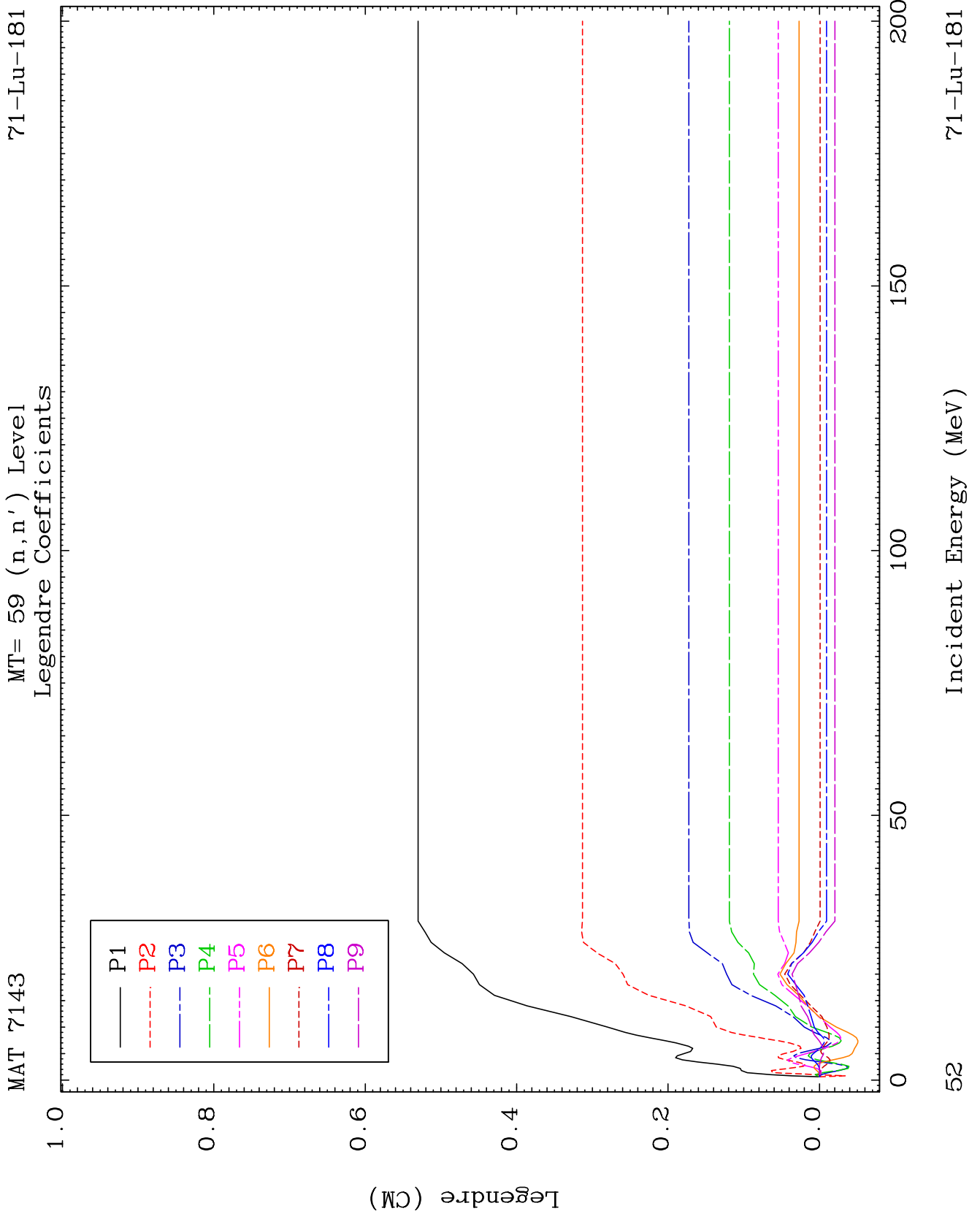


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Incident Energy (MeV)

71-Lu-181

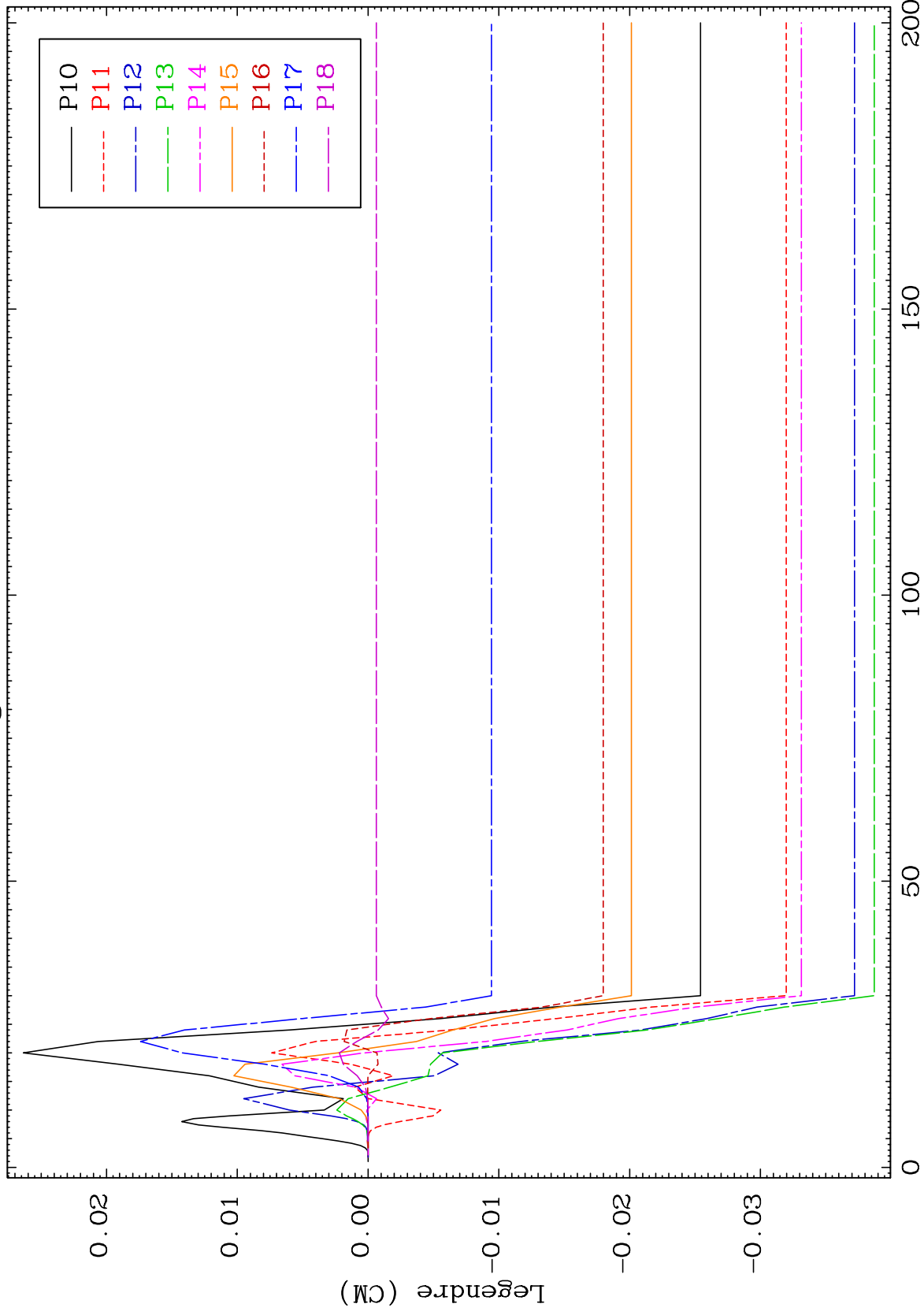




MAT 7143

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

71-Lu-181



53

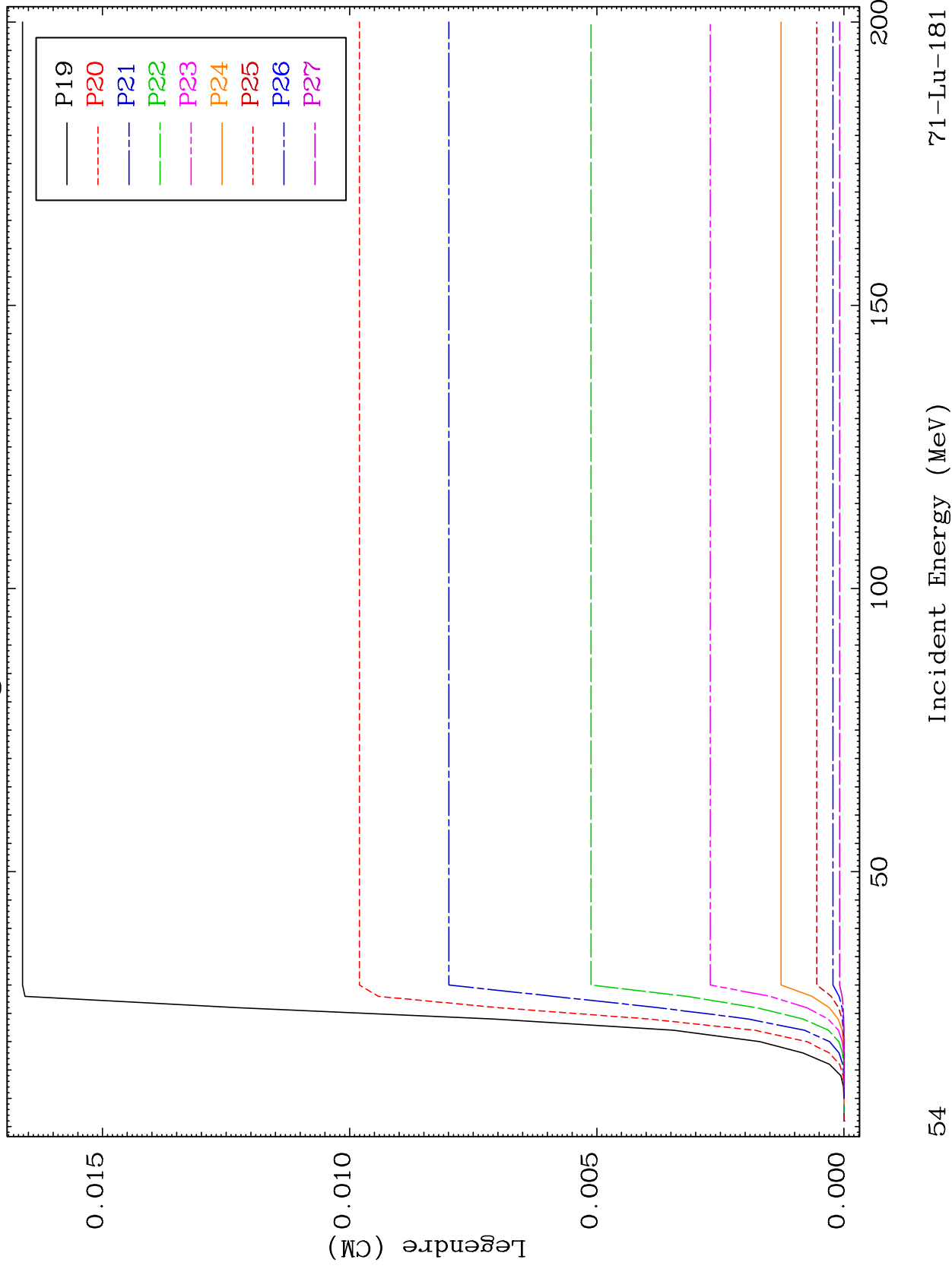
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



54

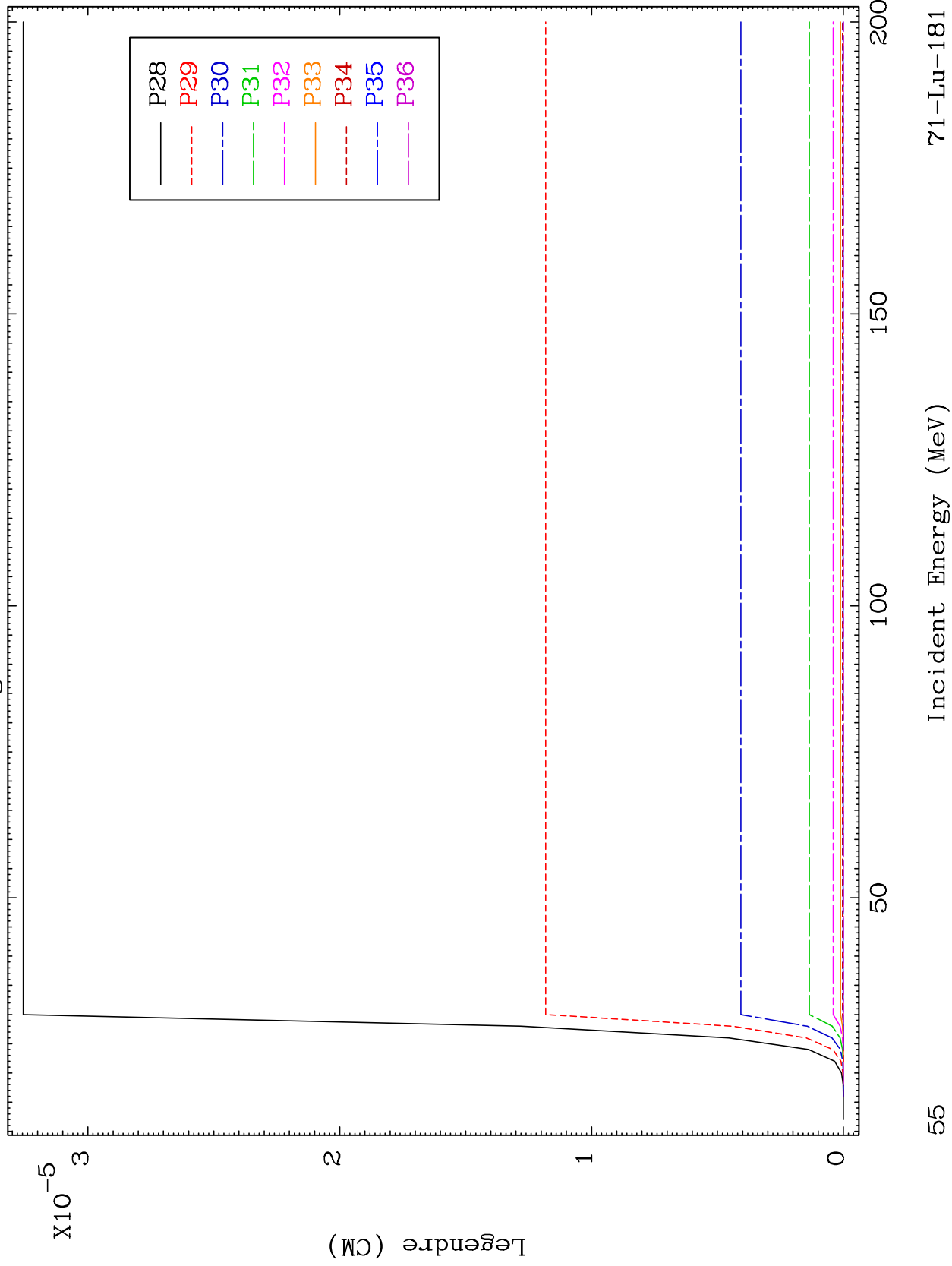
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



55

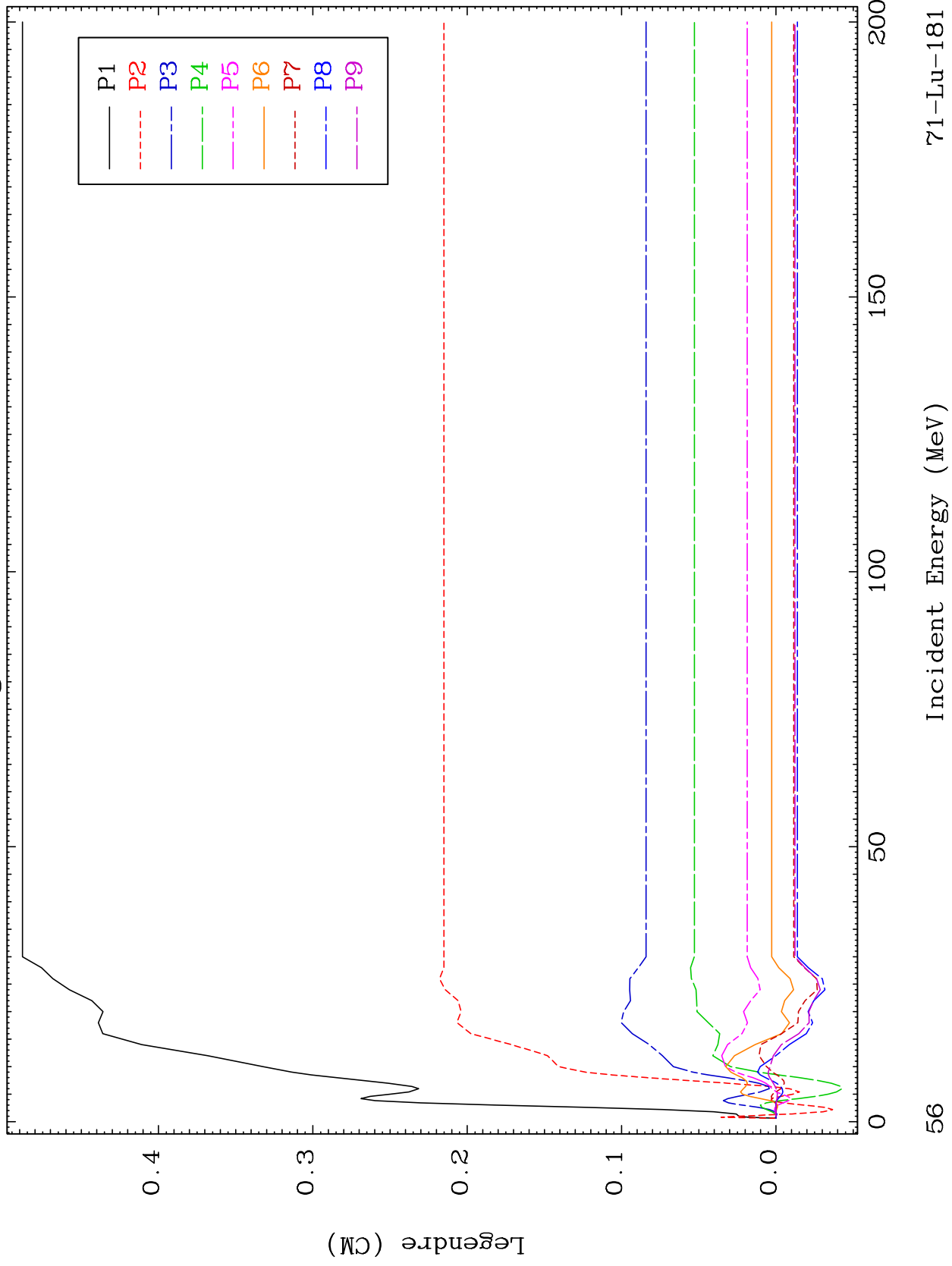
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



71-Lu-181

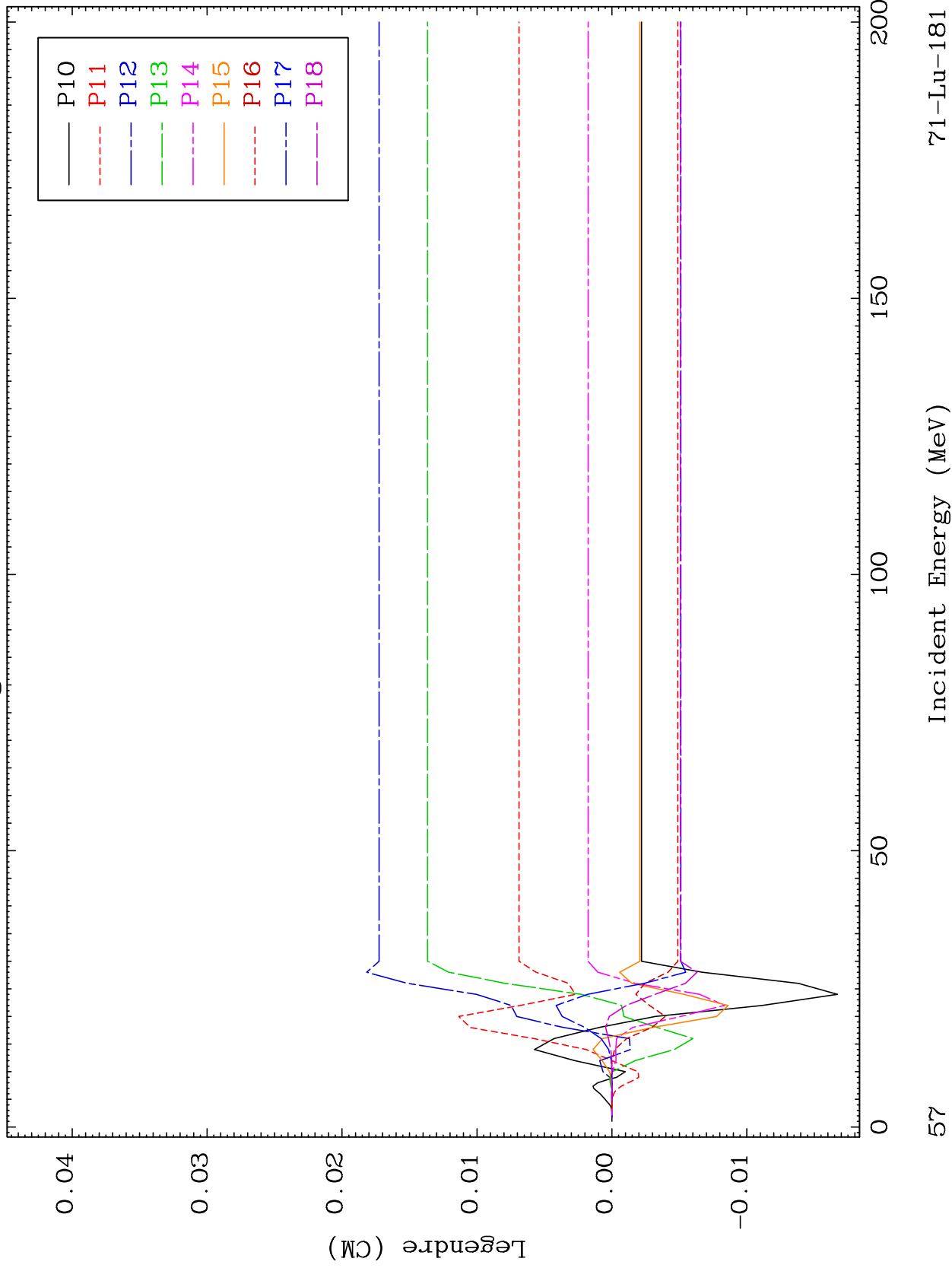
Incident Energy (MeV)

56

MAT 7143

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

71-Lu-181



71-Lu-181

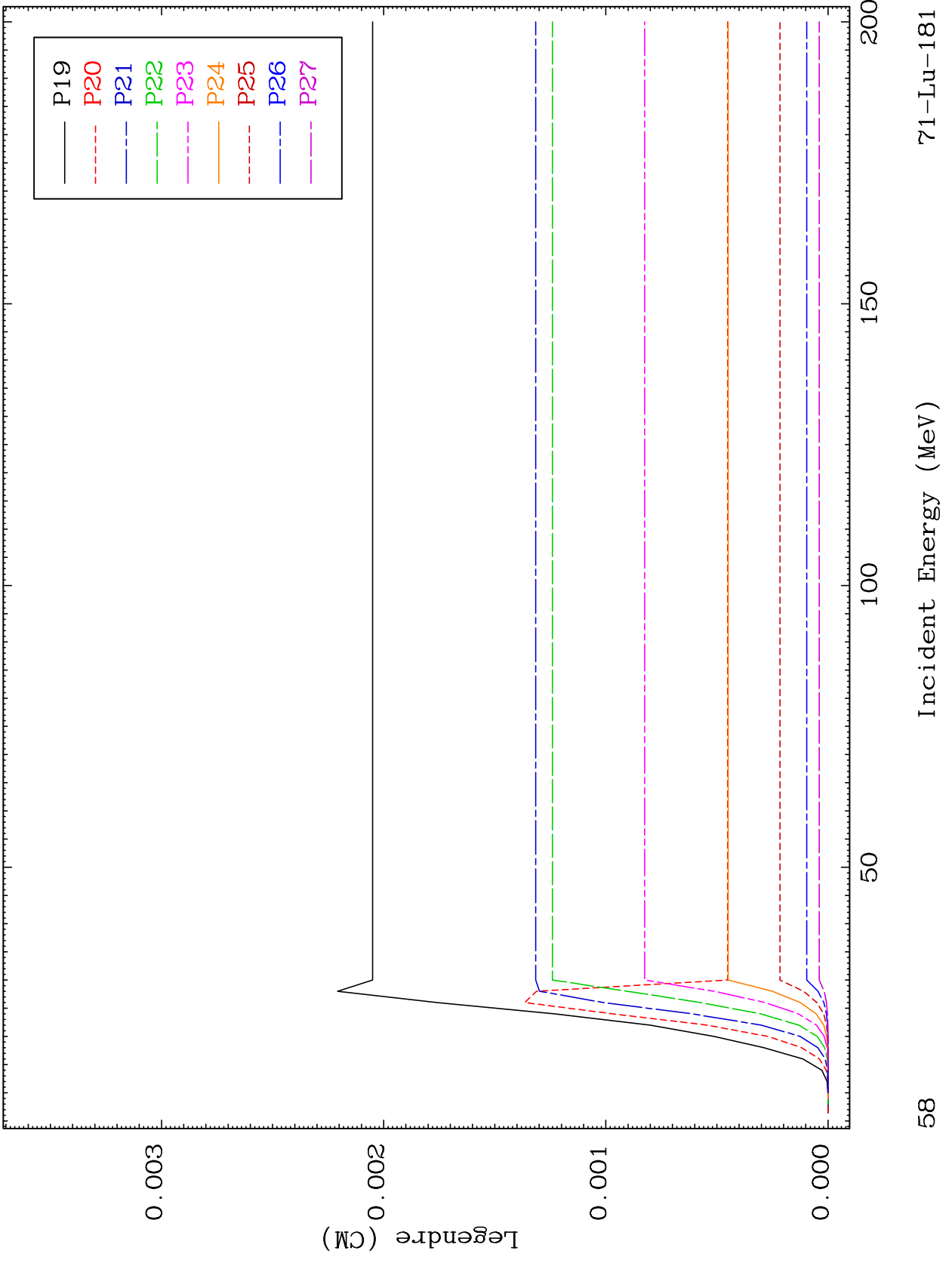
Incident Energy (MeV)

57

MAT 7143

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

71-Lu-181



58

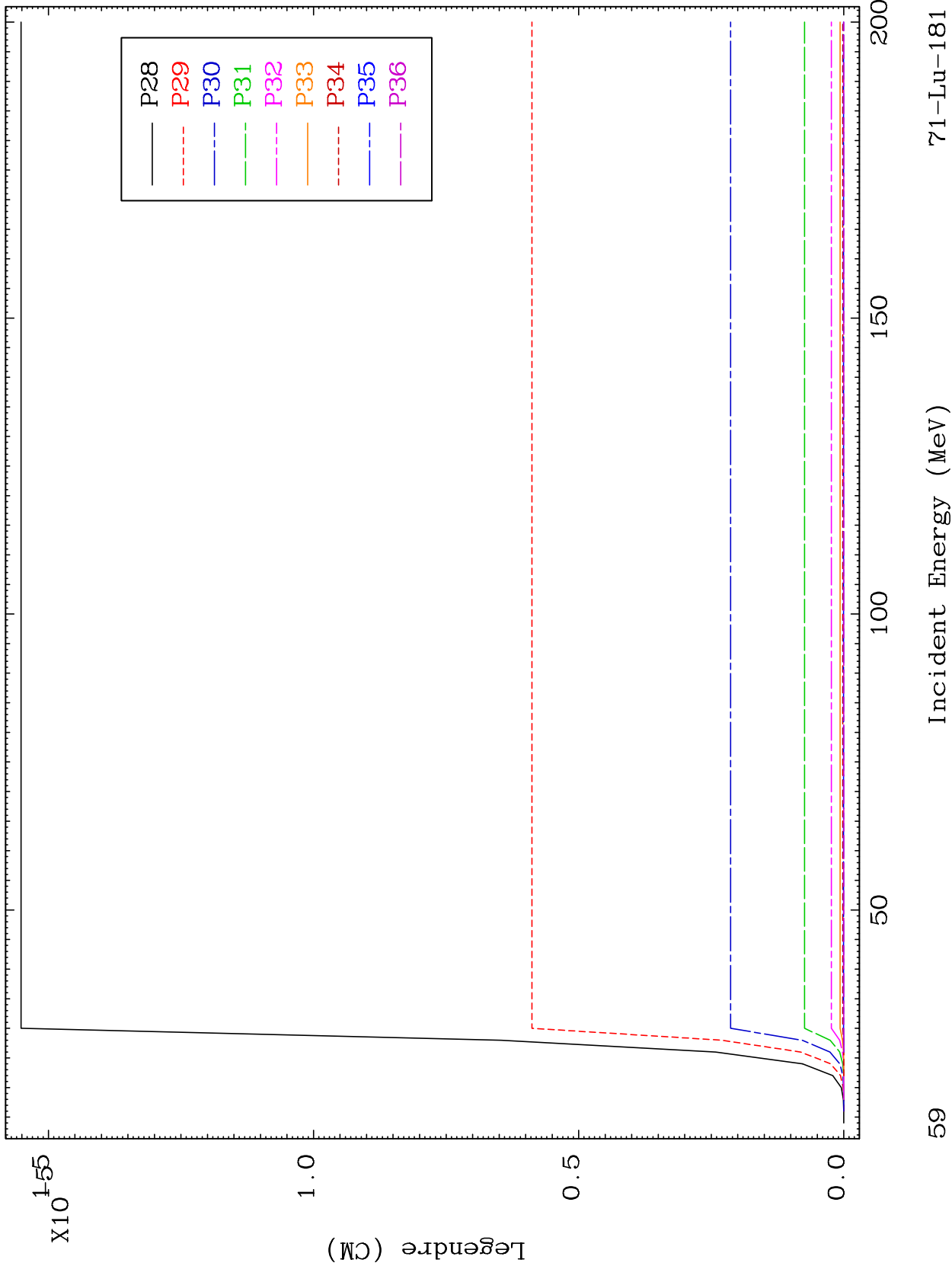
Incident Energy (MeV)

71-Lu-181

MAT 7143

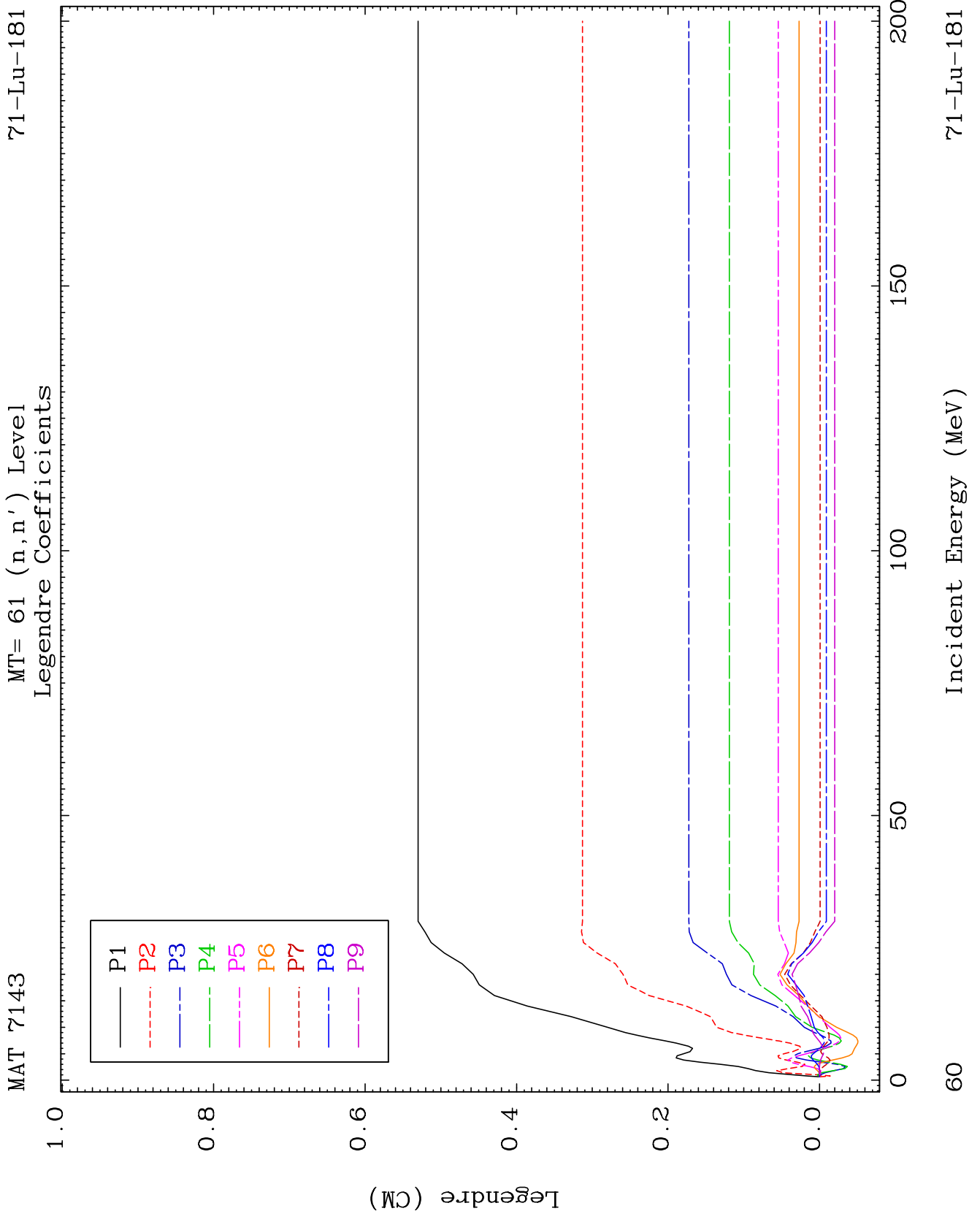
MT= 60 (n,n') Level
Legendre Coefficients

71-Lu-181



59

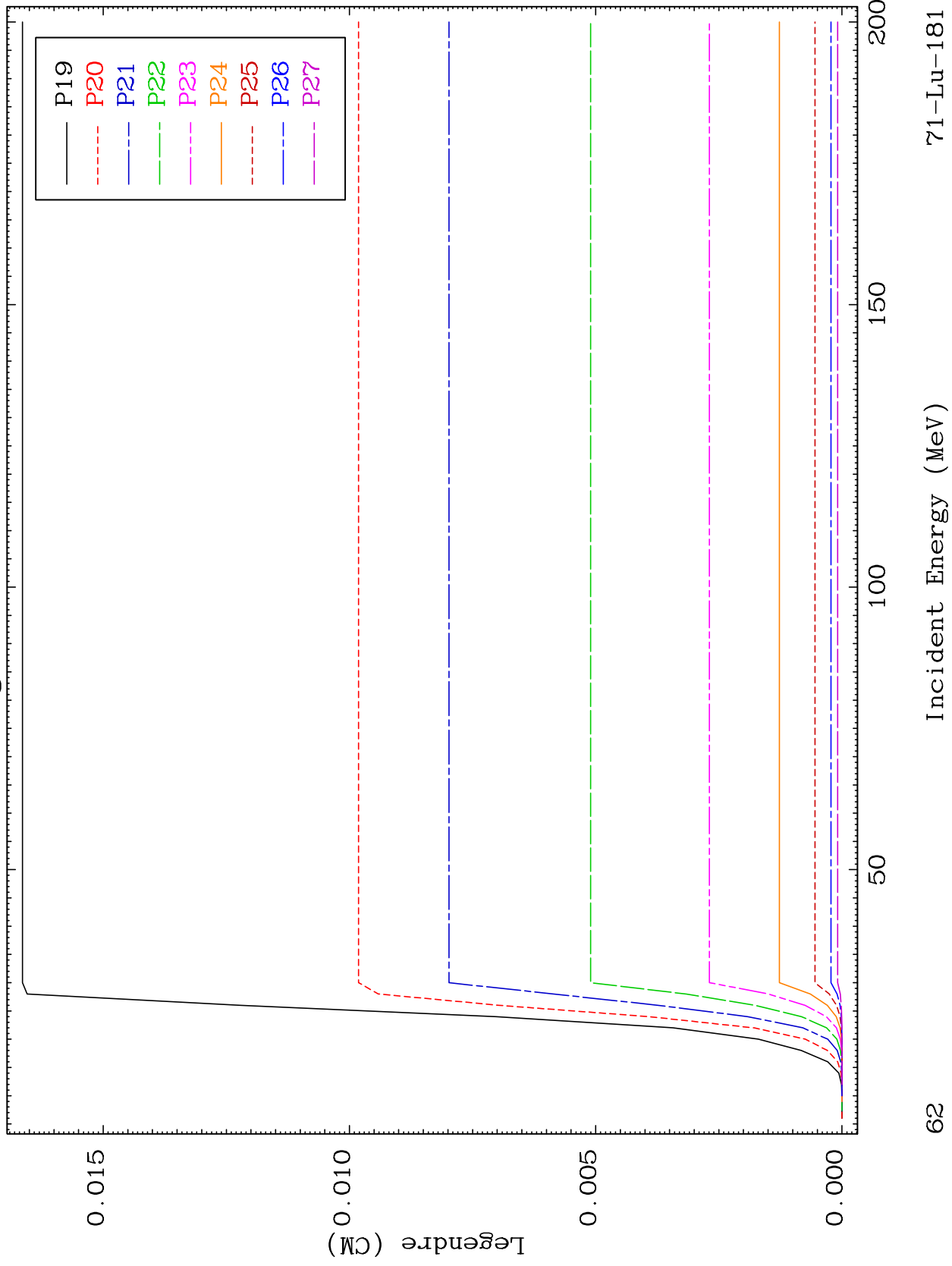
71-Lu-181



MAT 7143

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

71-Lu-181



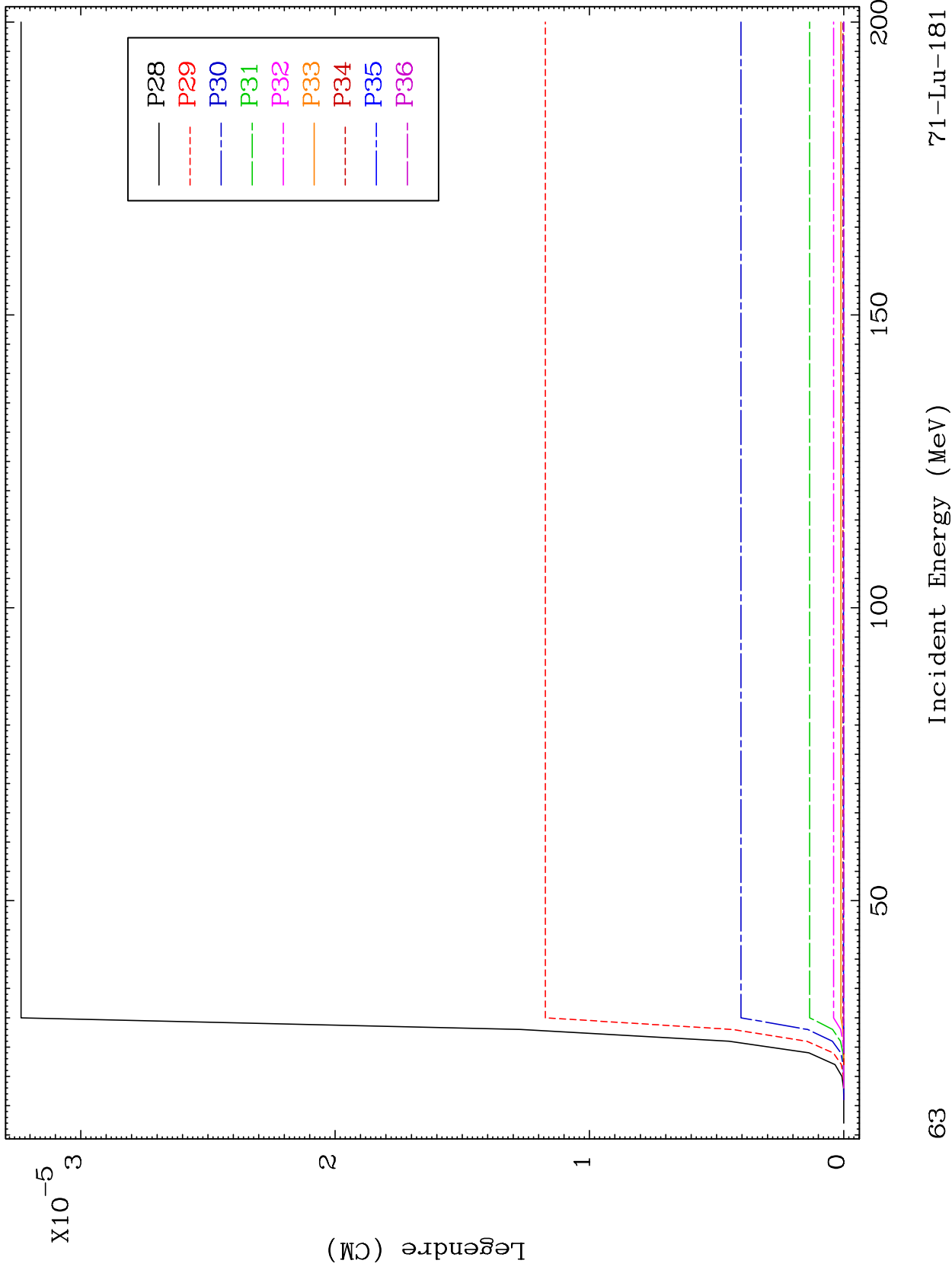
62

71-Lu-181

MAT 7143

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

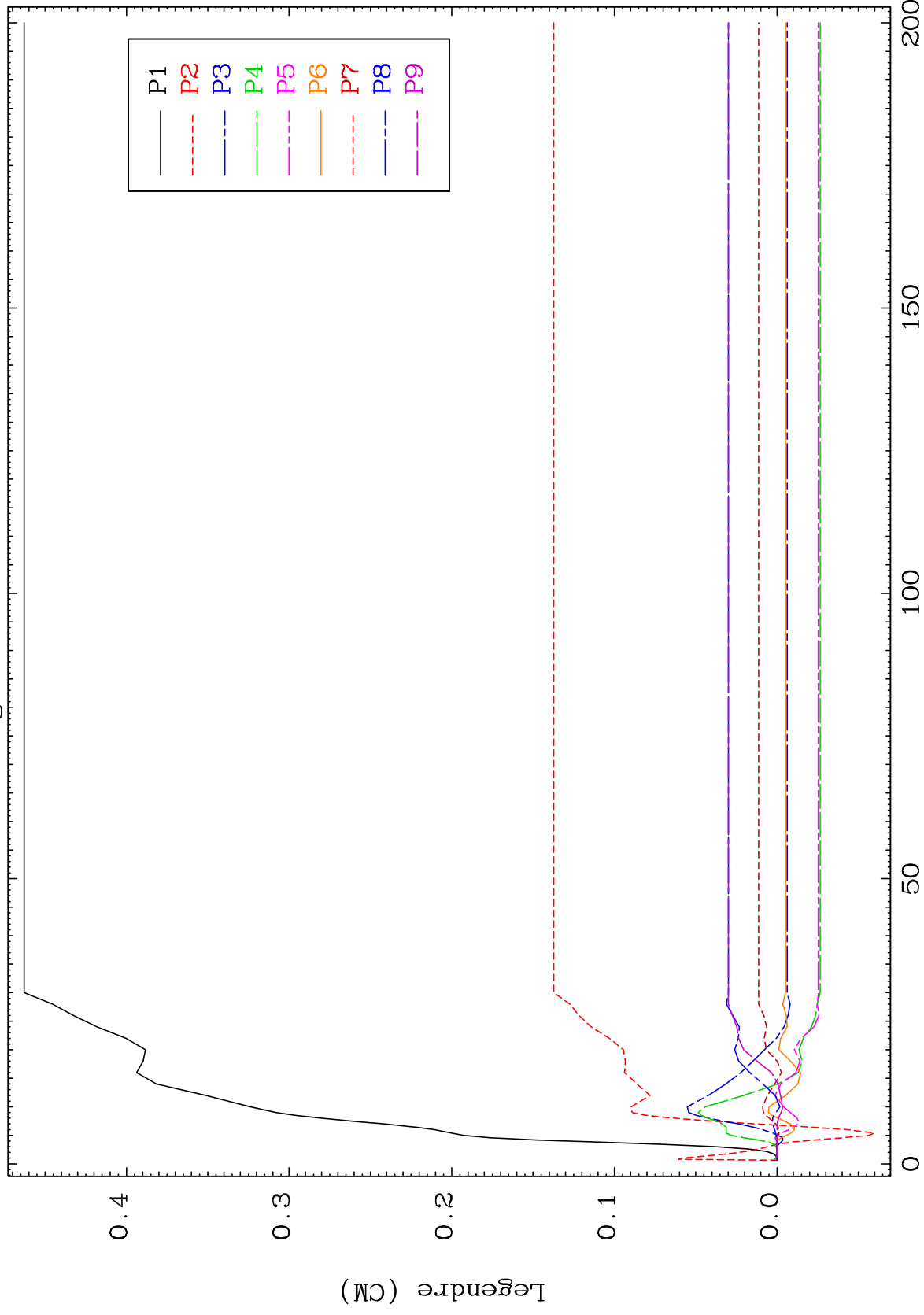
71-Lu-181



MAT 7143

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

71-Lu-181



64

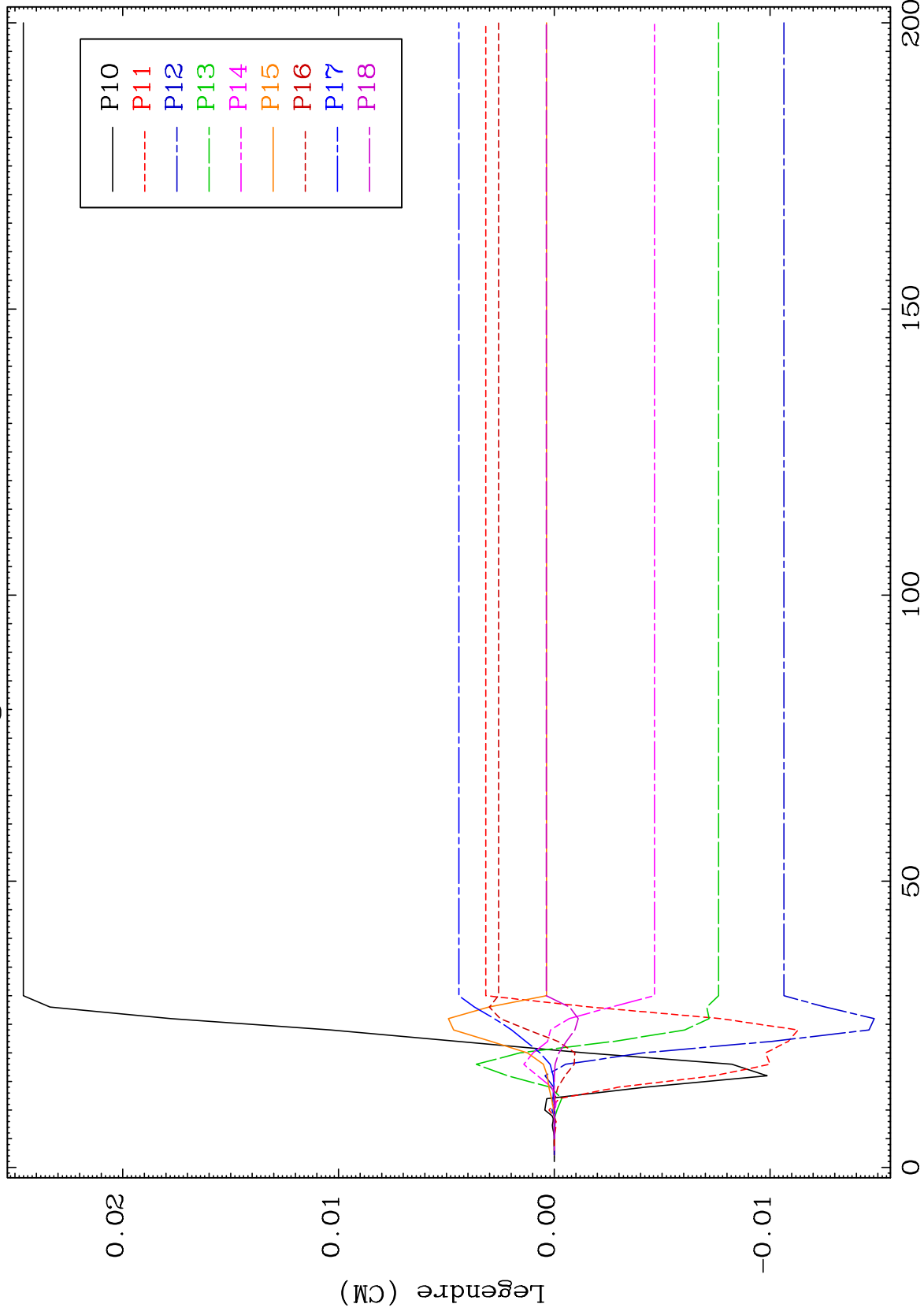
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

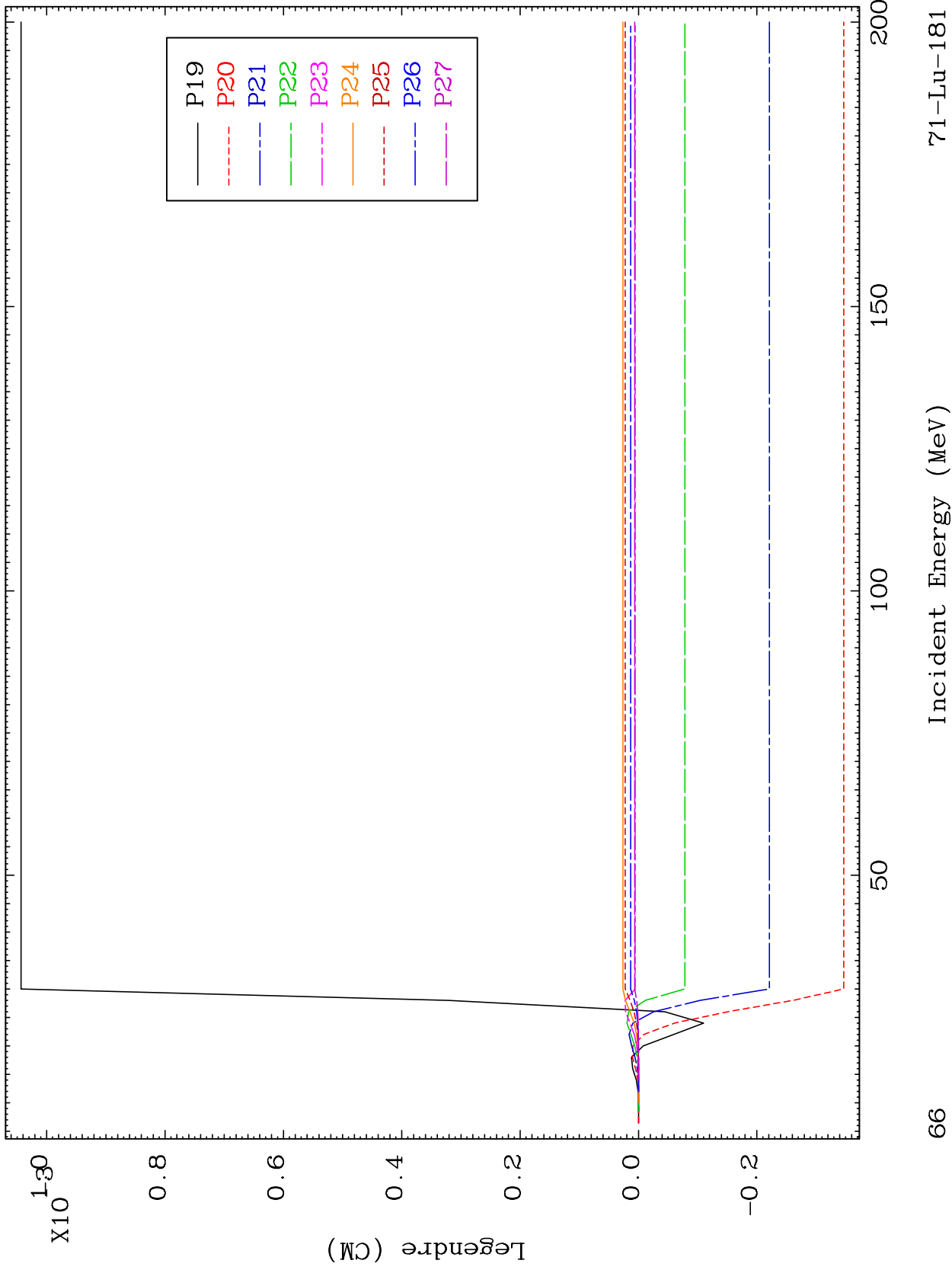
71-Lu-181



65

Incident Energy (MeV)

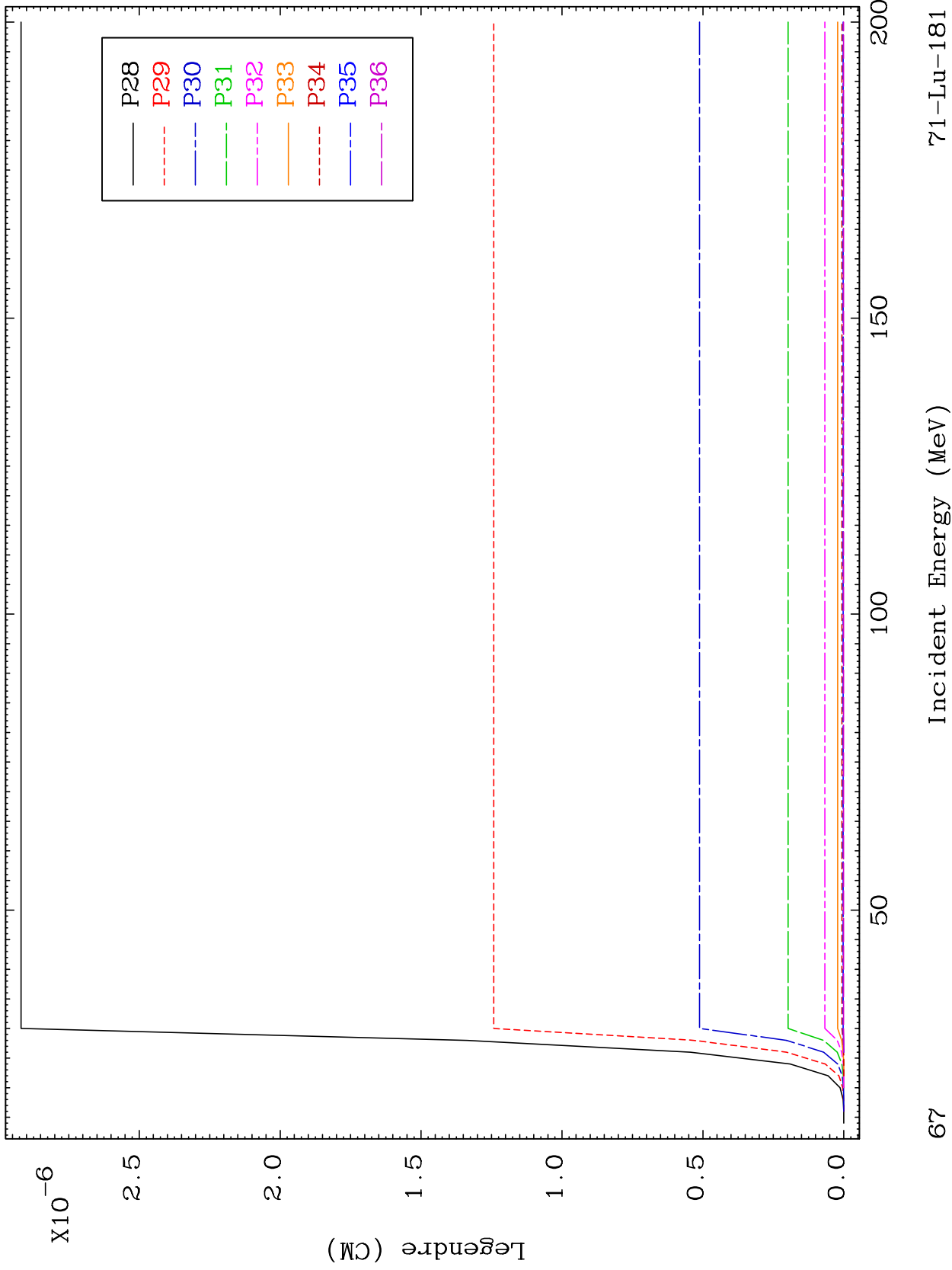
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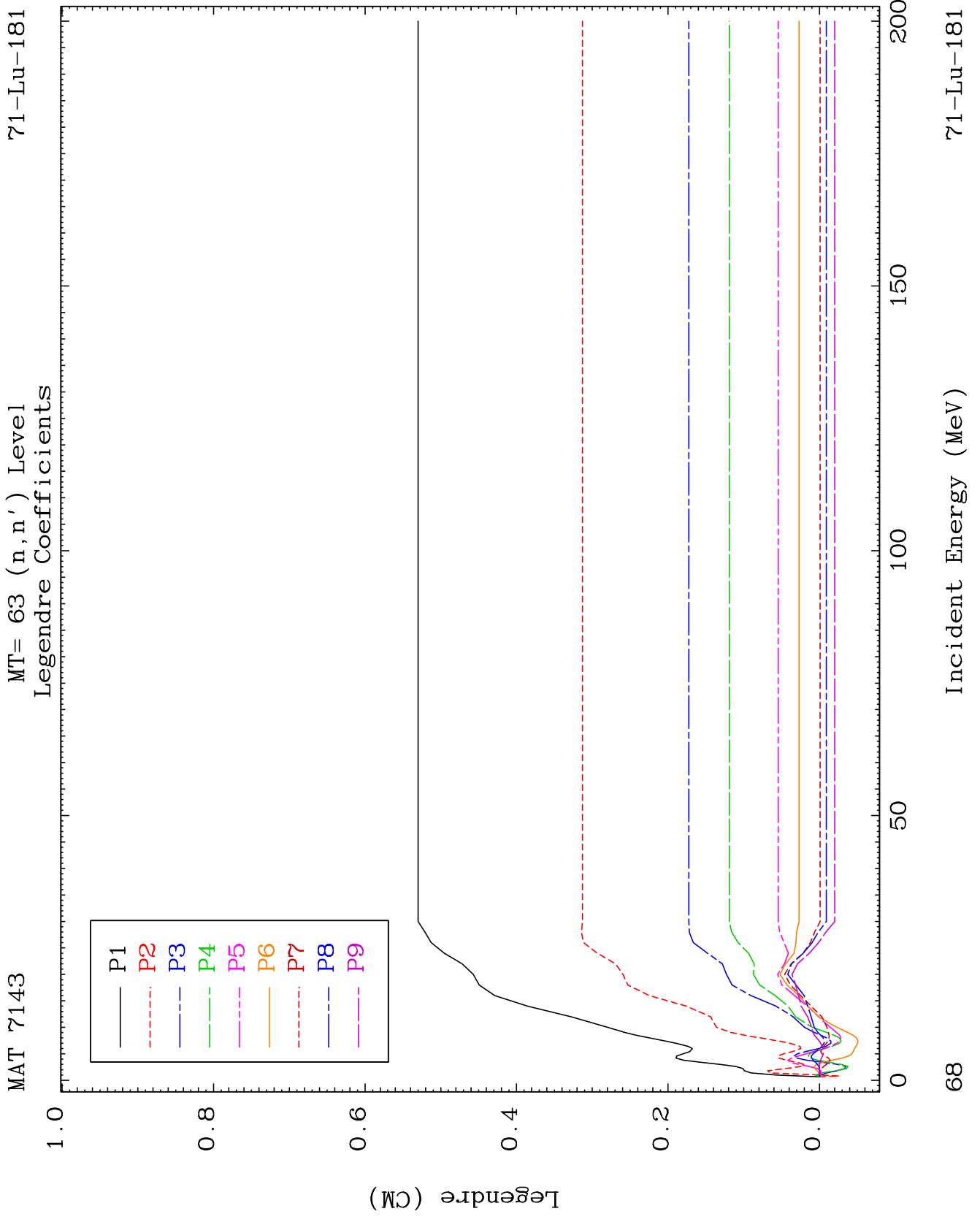


MAT 7143

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

71-Lu-181

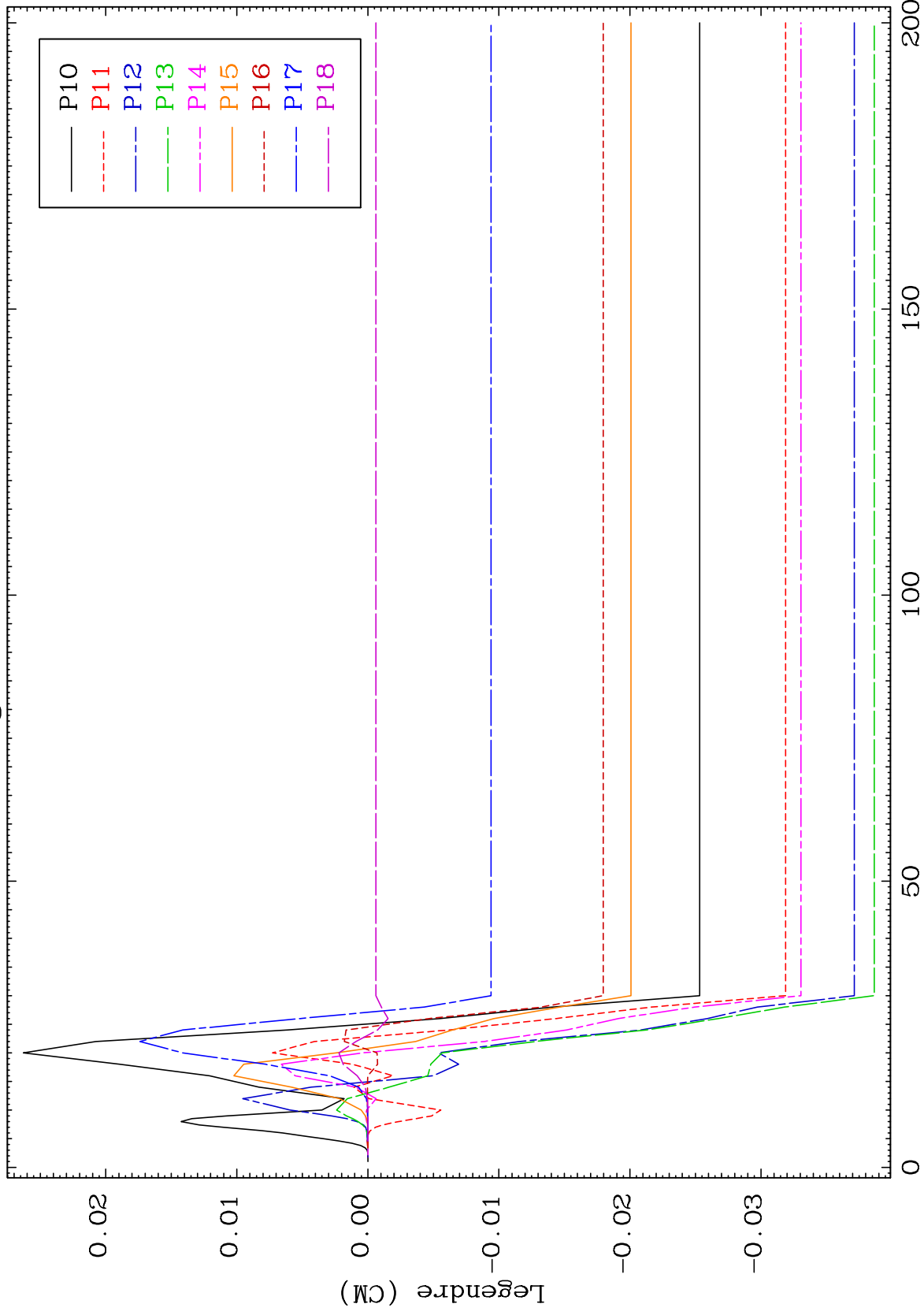




MAT 7143

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

71-Lu-181



69

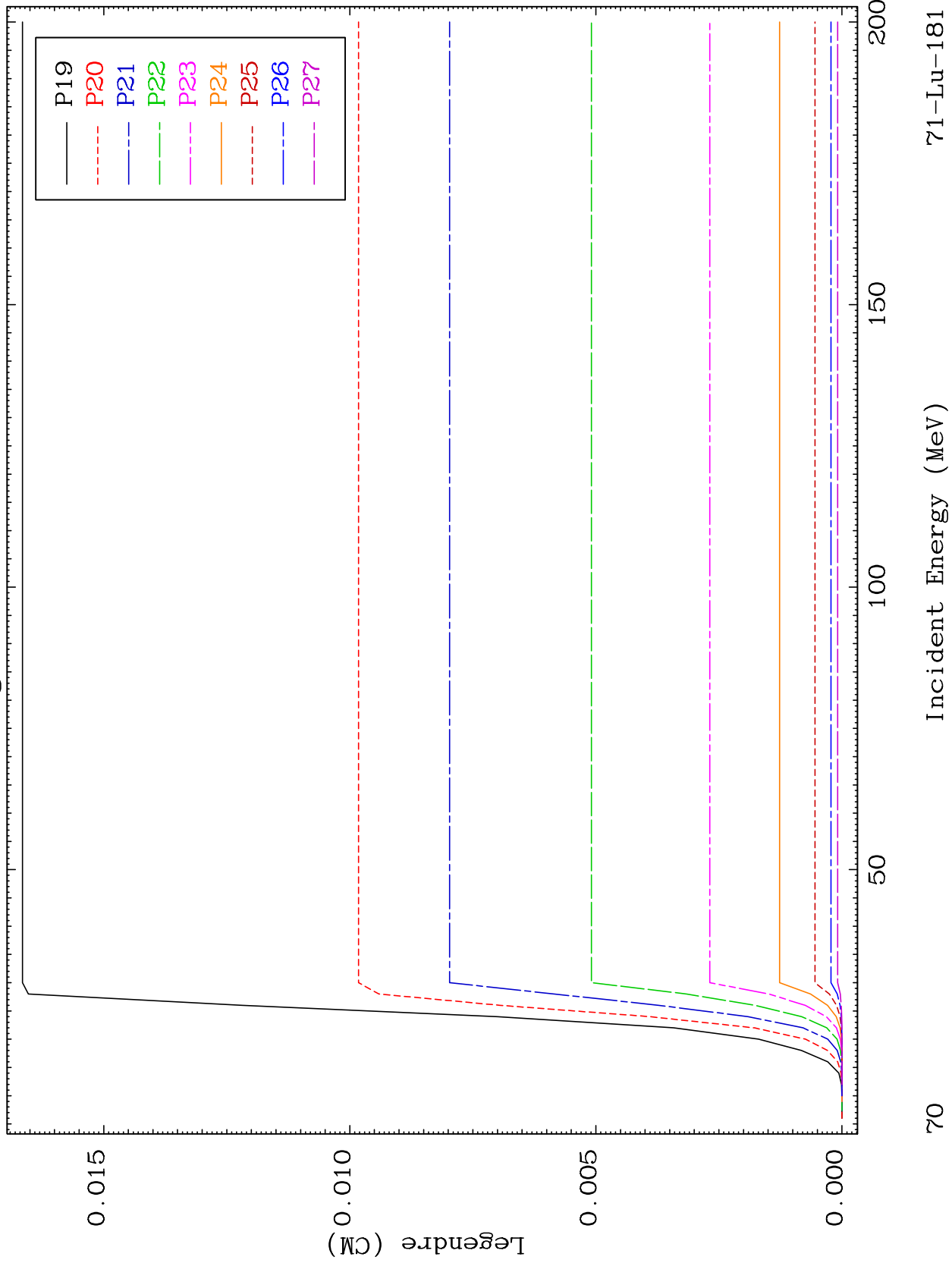
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



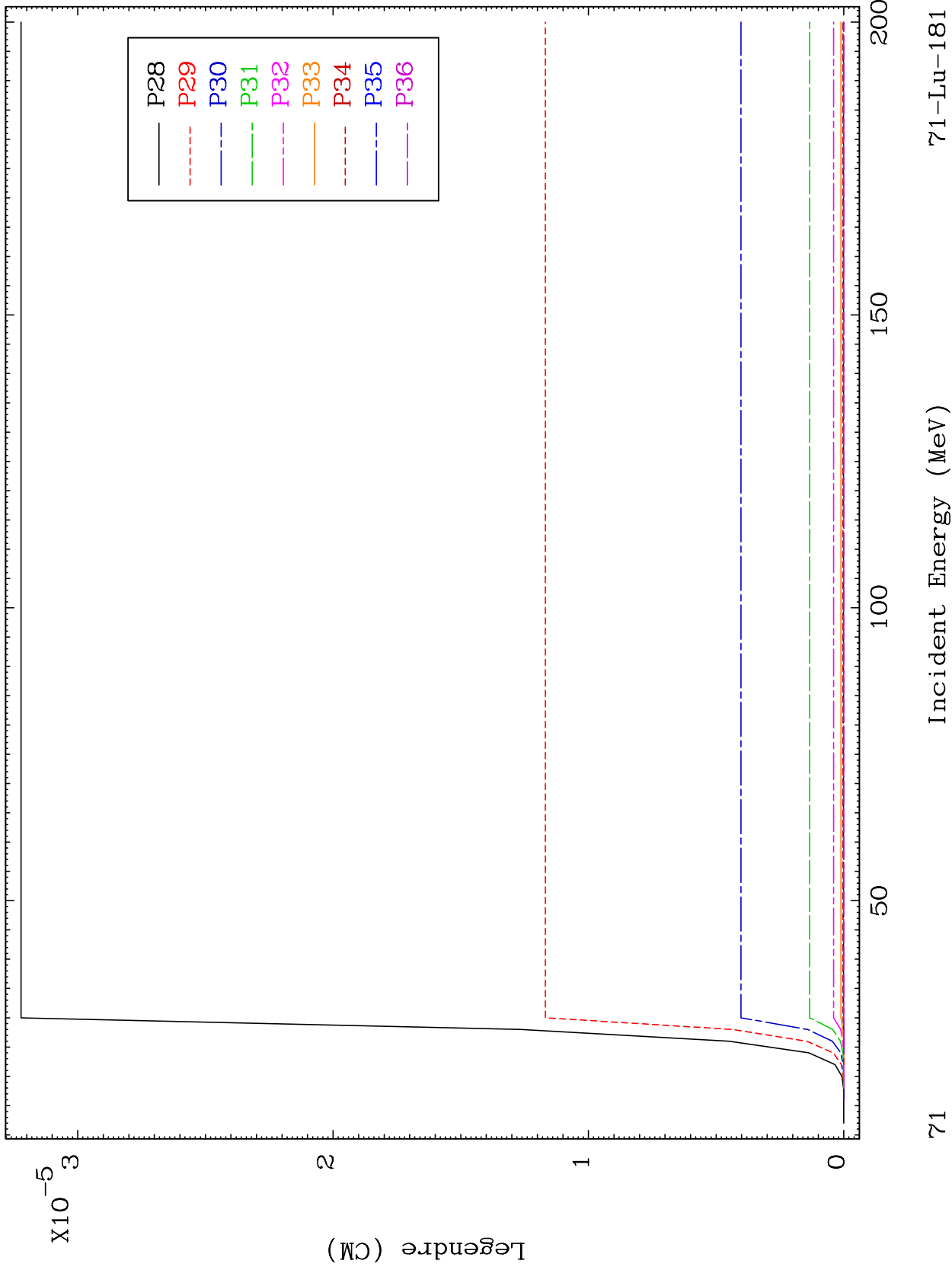
70

71-Lu-181

MAT 7143

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

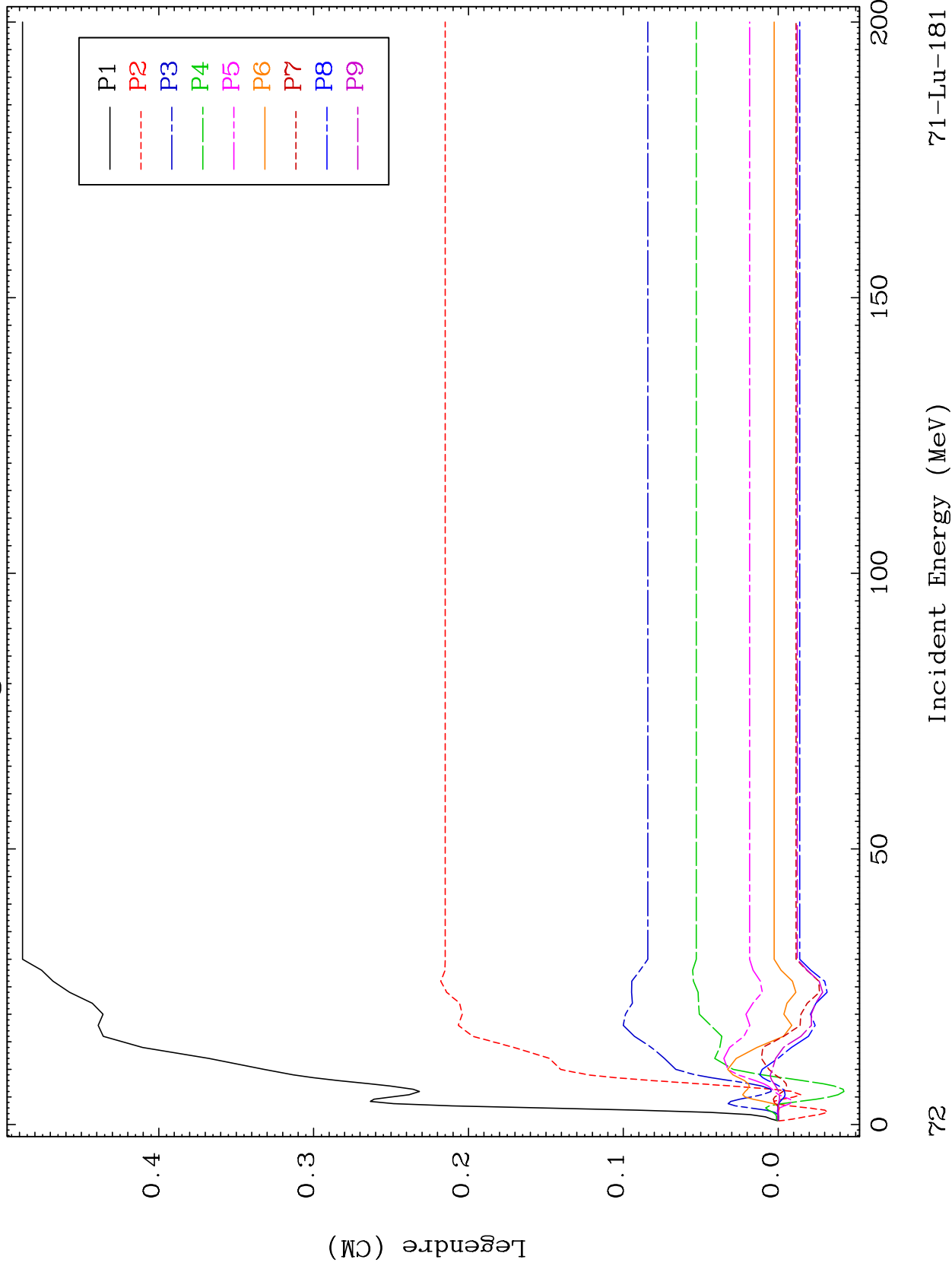
71-Lu-181



MAT 7143

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

71-Lu-181



71-Lu-181

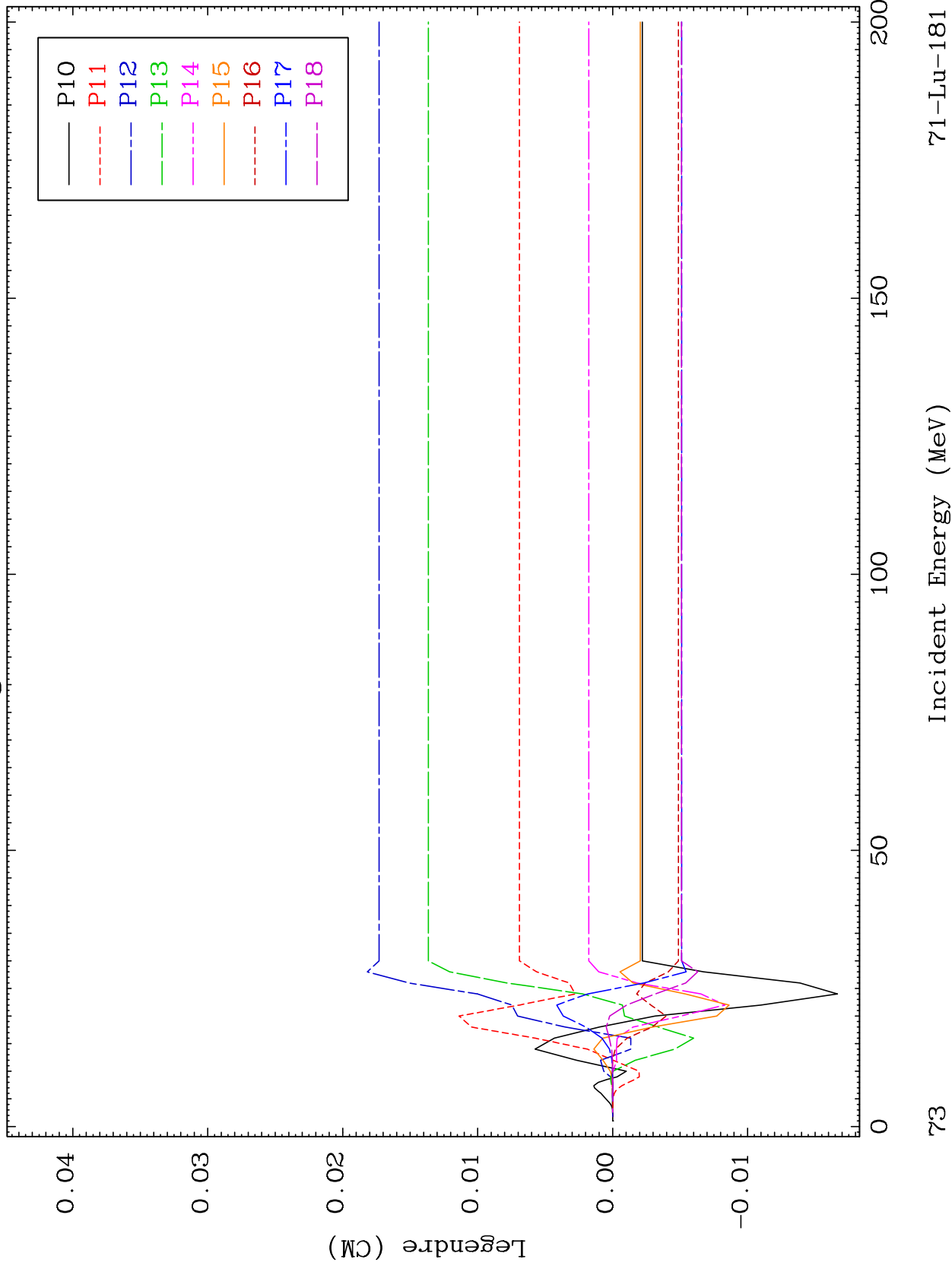
Incident Energy (MeV)

72

MAT 7143

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

71-Lu-181



73

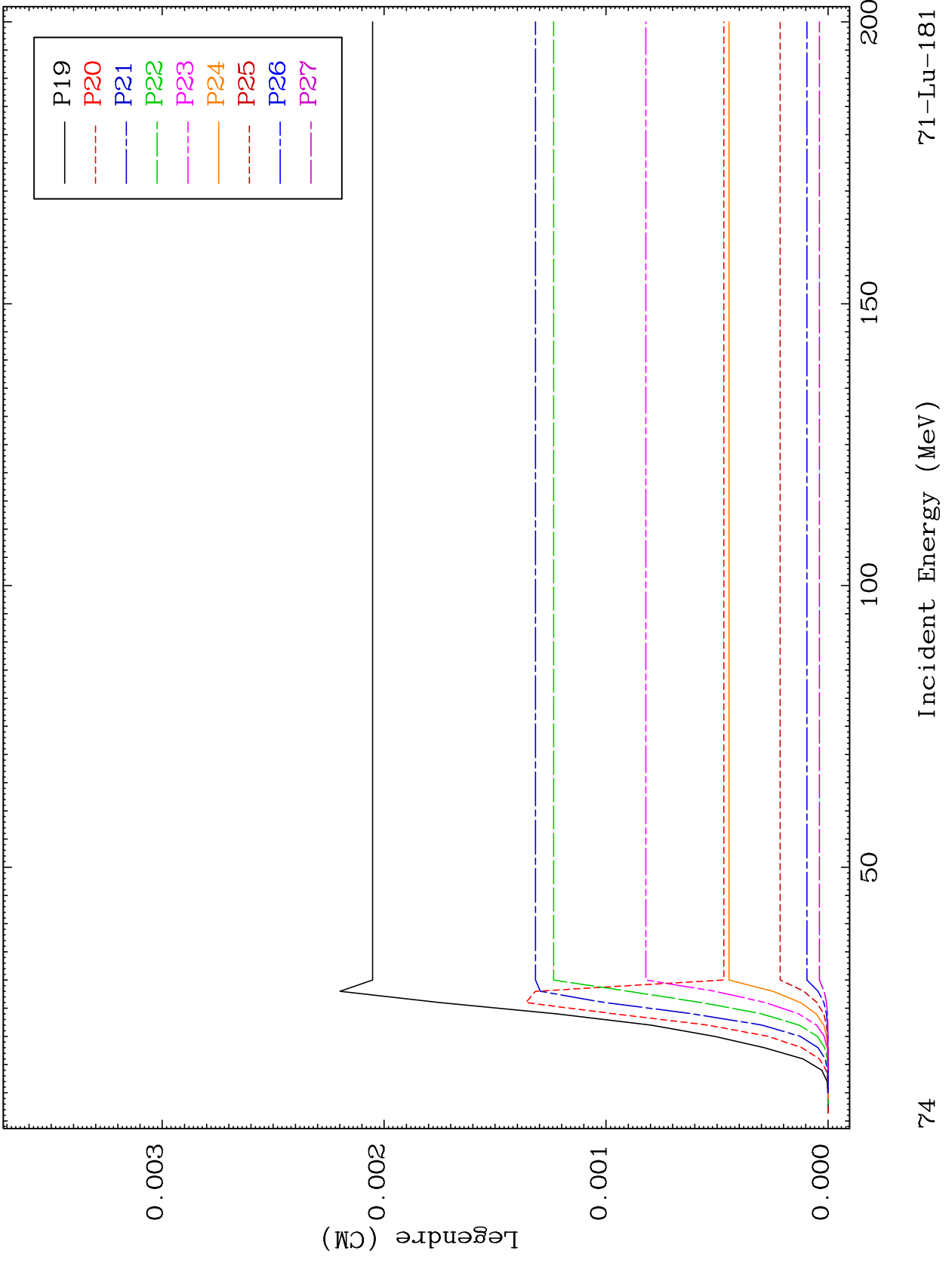
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



74

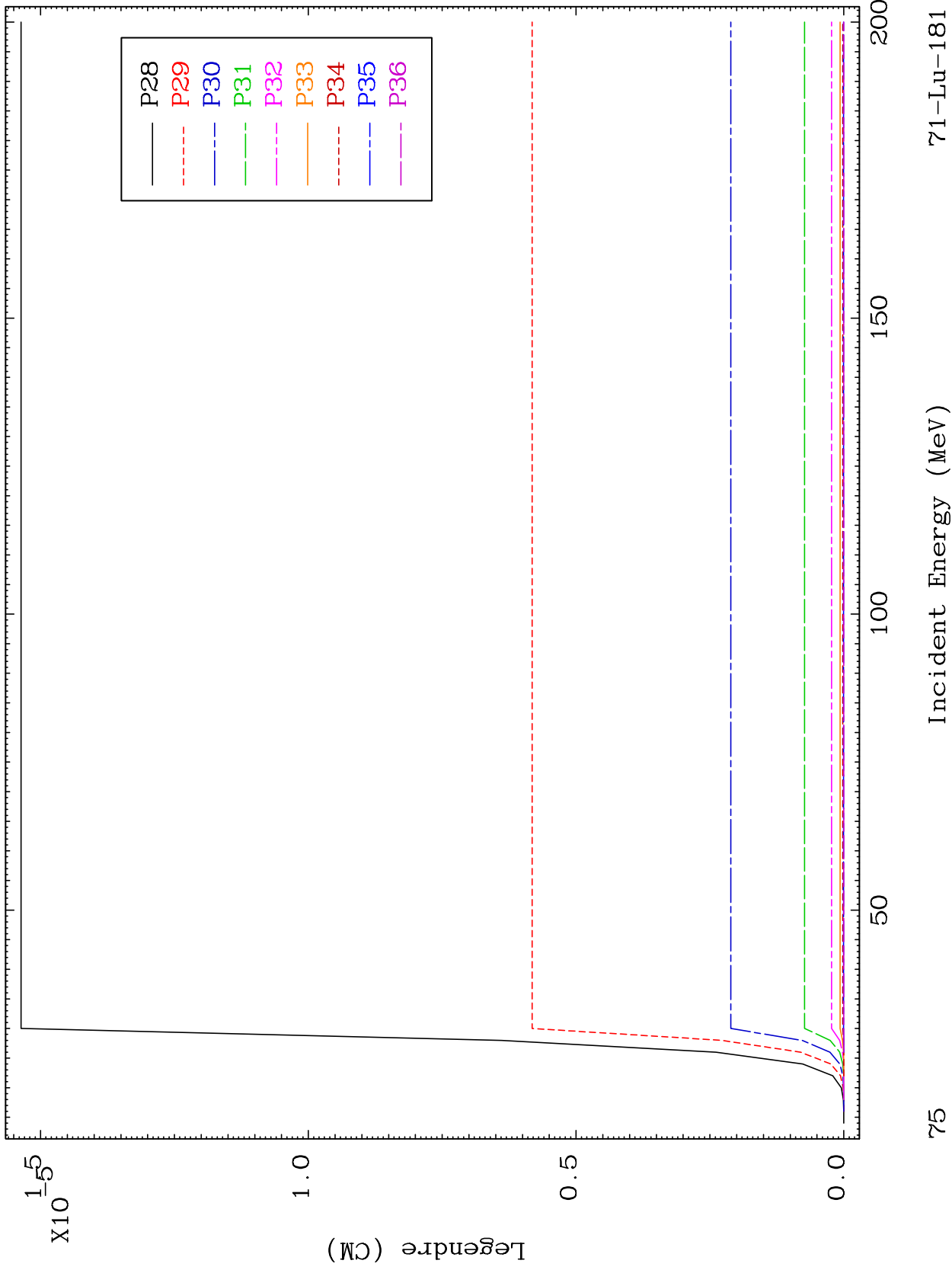
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



75

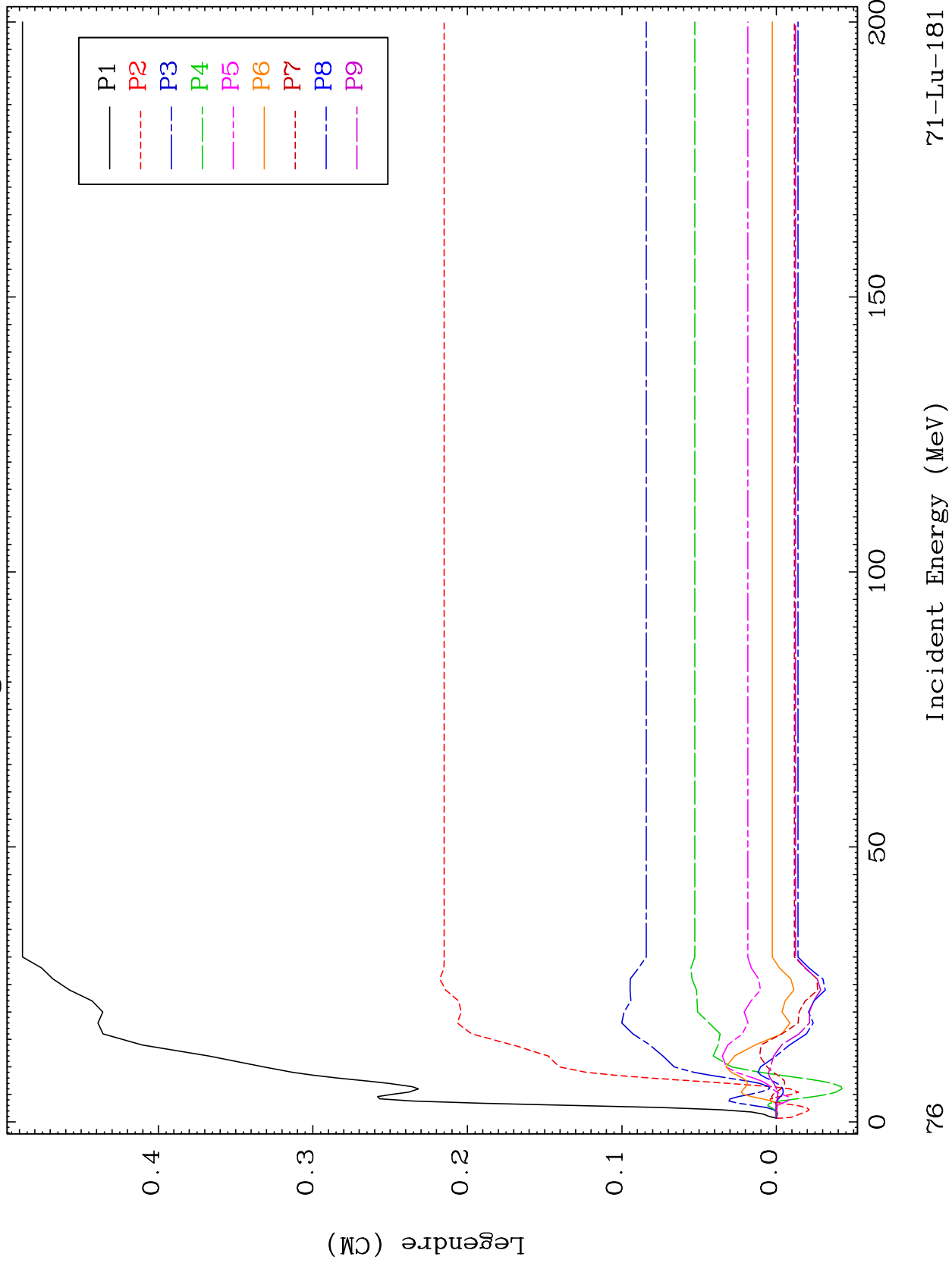
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



71-Lu-181

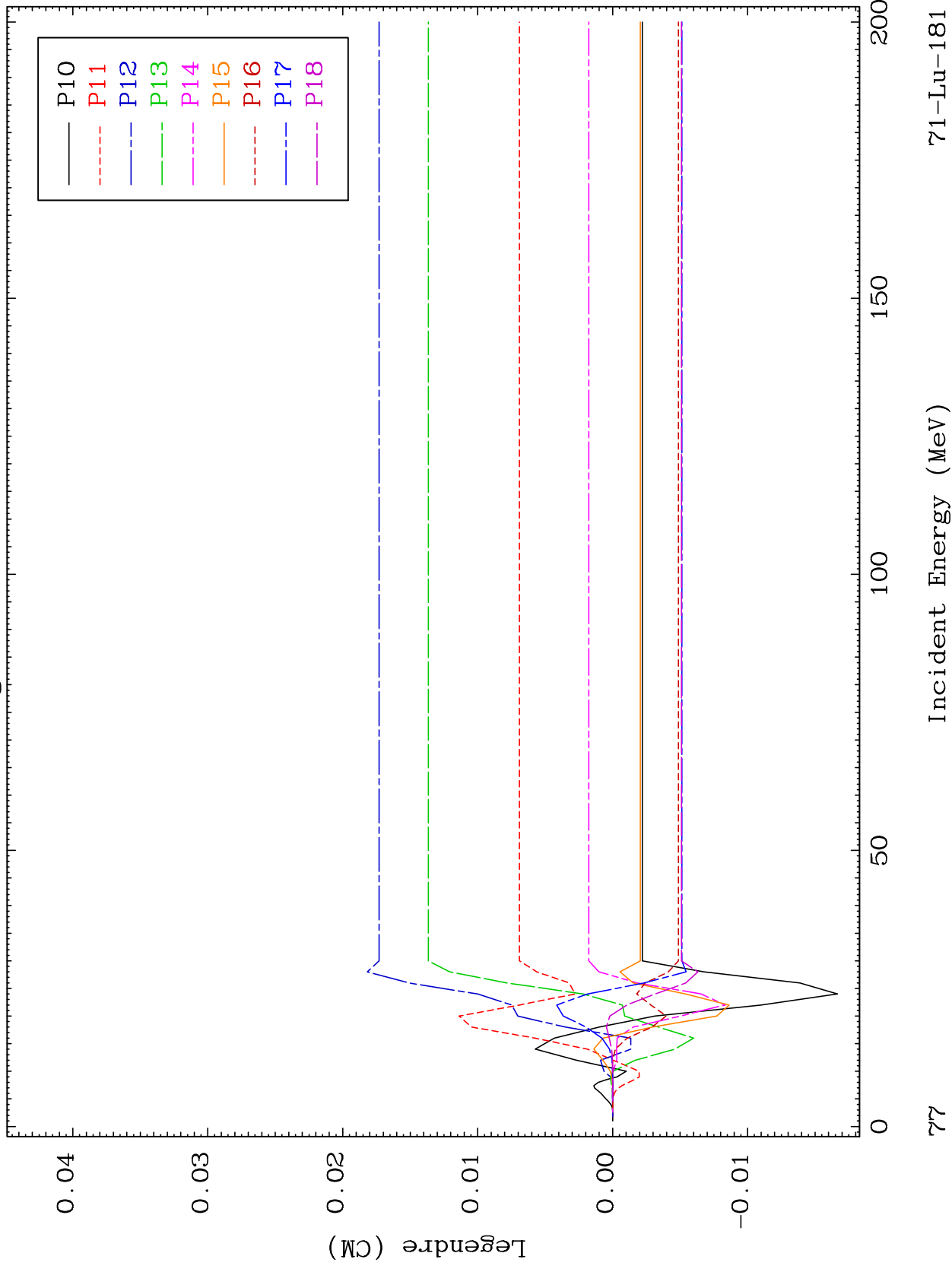
Incident Energy (MeV)

76

MAT 7143

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

71-Lu-181



71-Lu-181

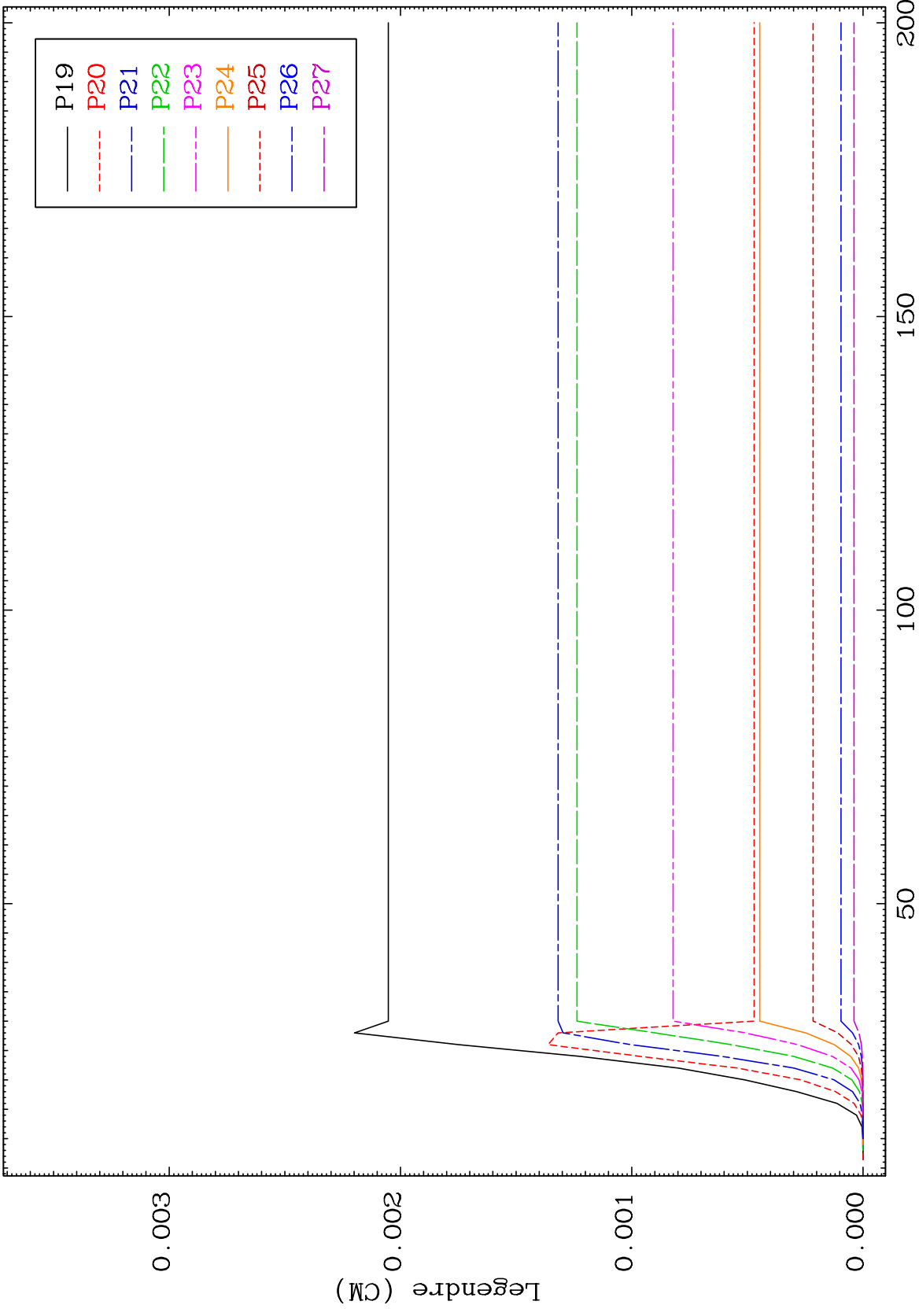
Incident Energy (MeV)

77

MAT 7143

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

71-Lu-181



78

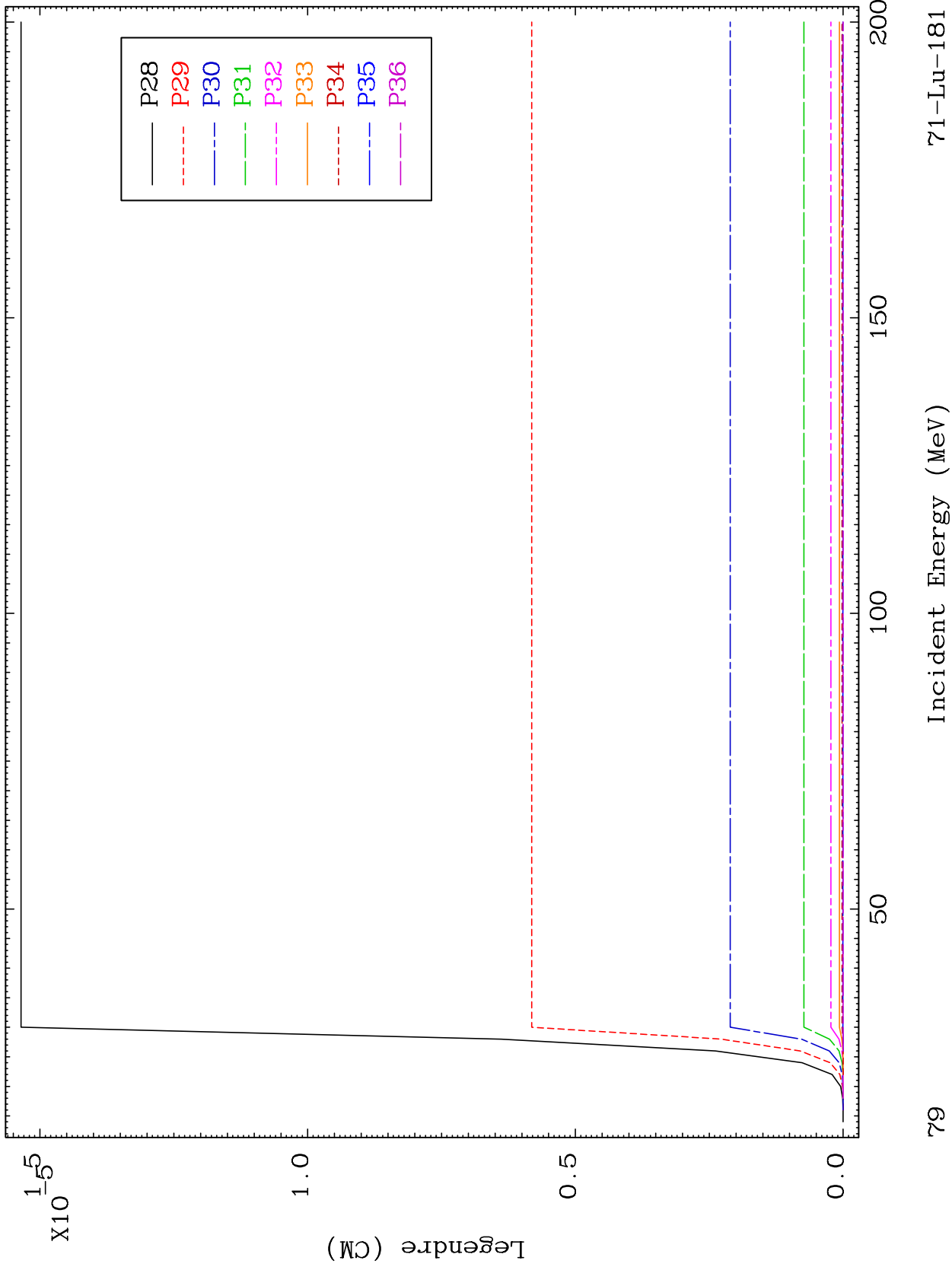
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



79

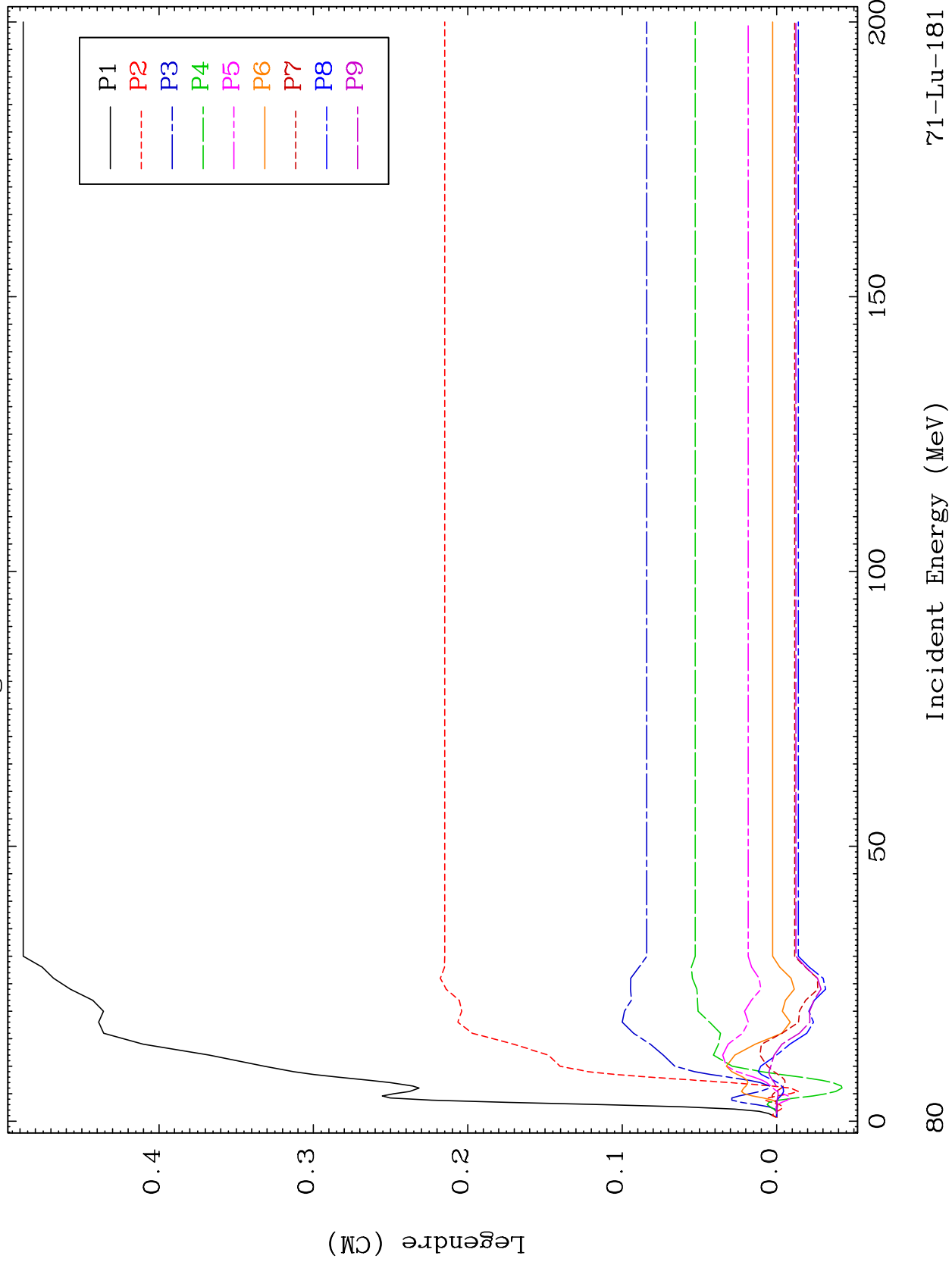
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



71-Lu-181

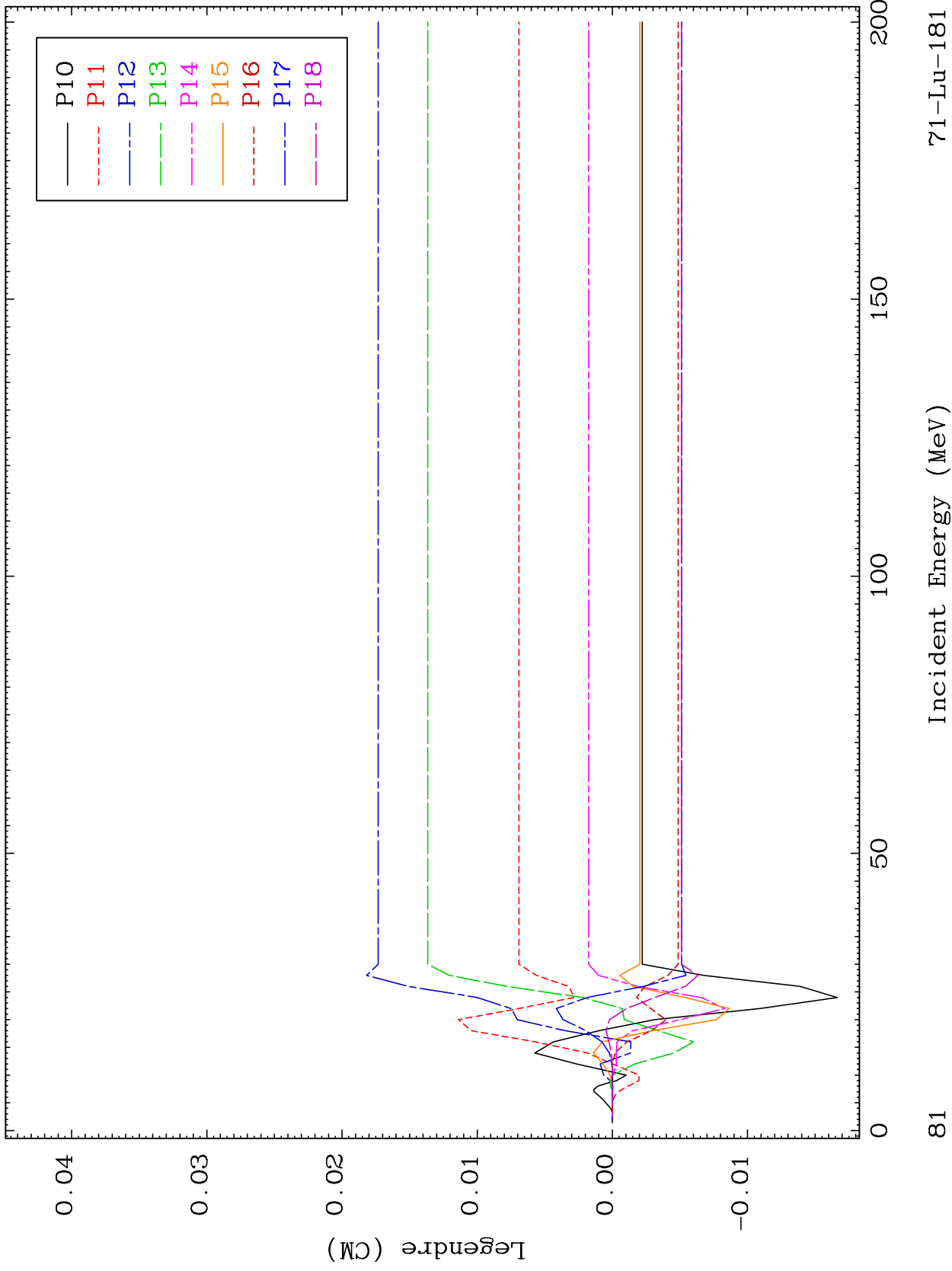
Incident Energy (MeV)

80

MAT 7143

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

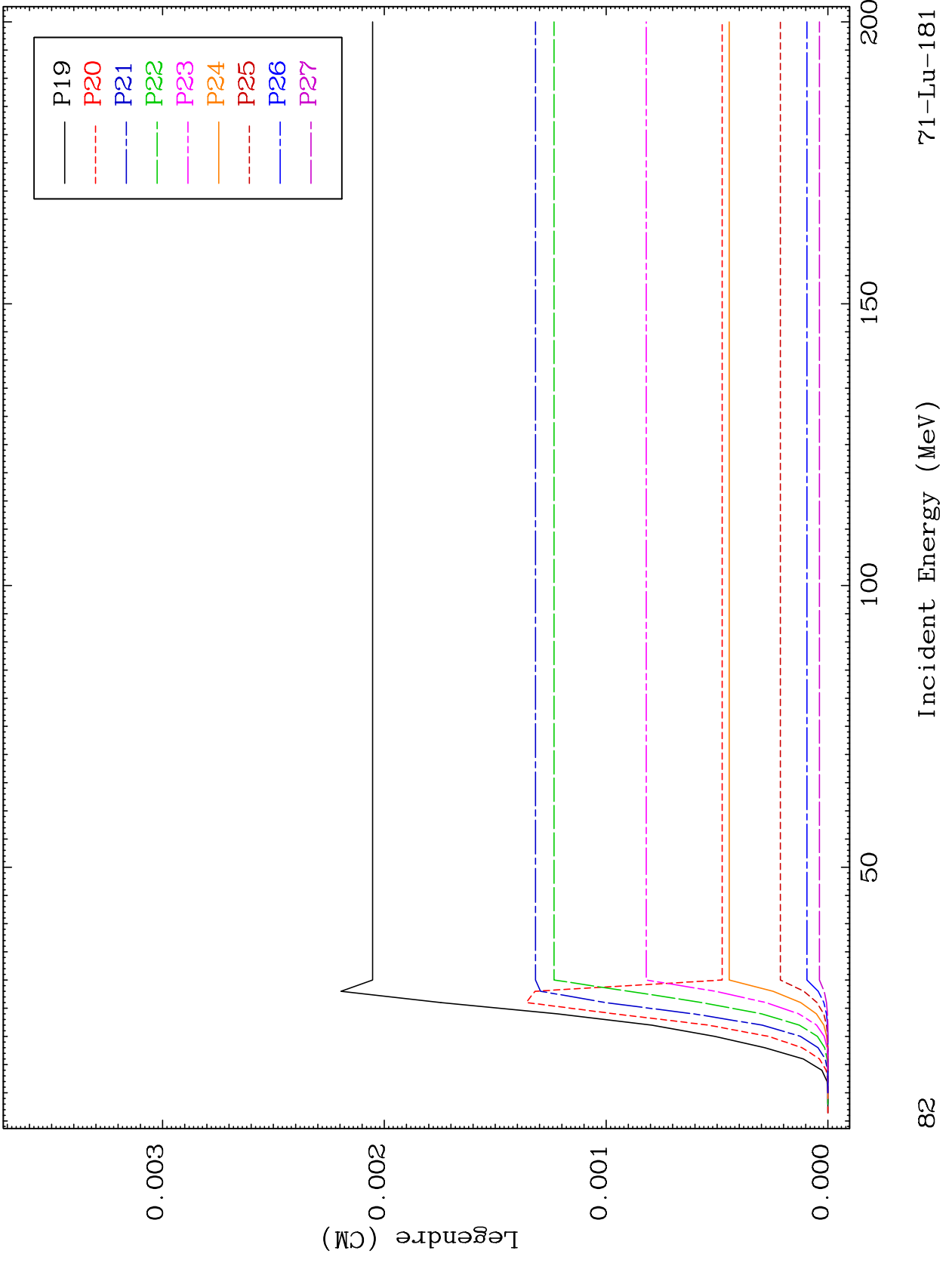
71-Lu-181



MAT 7143

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

71-Lu-181



82

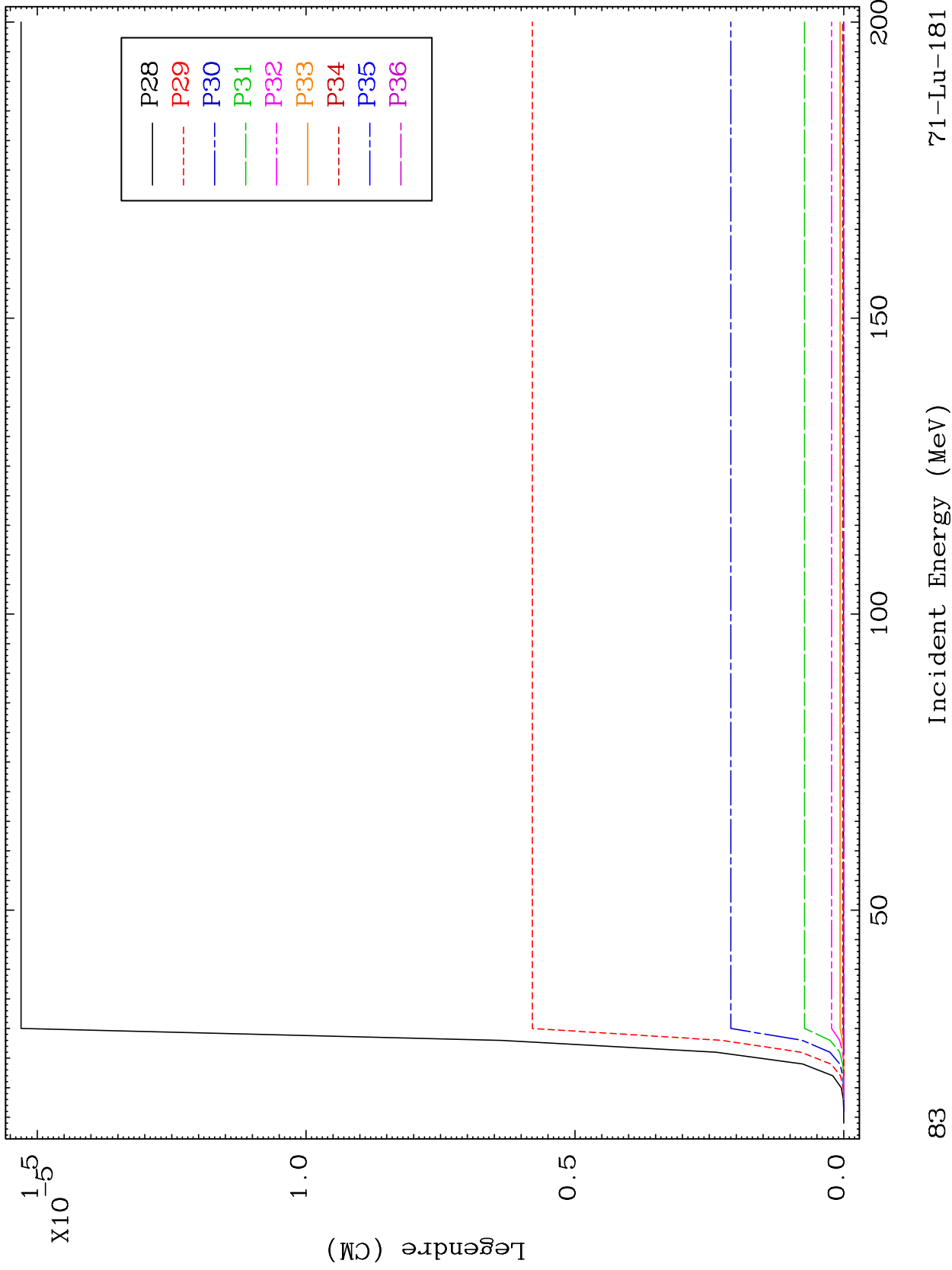
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



83

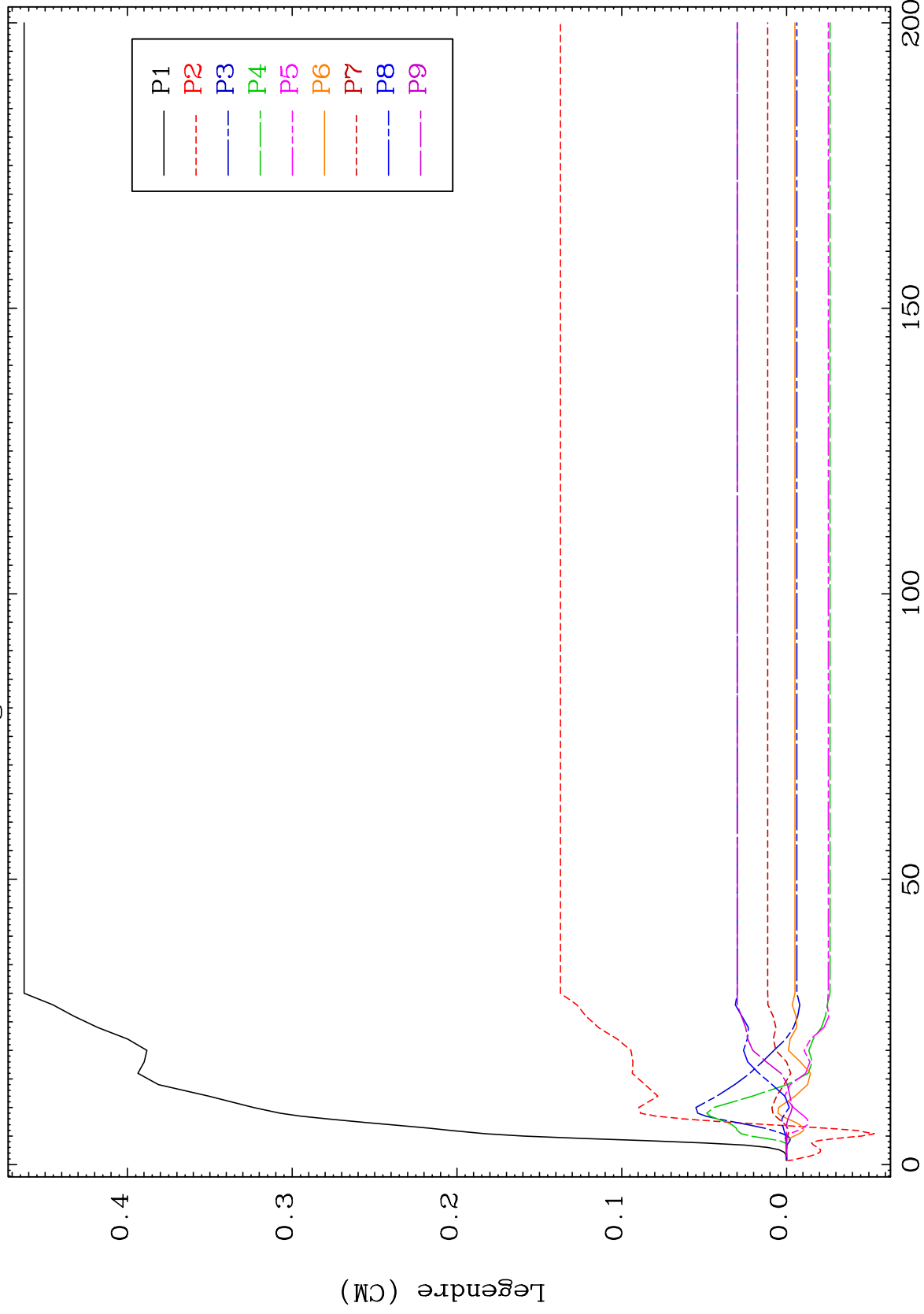
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



84

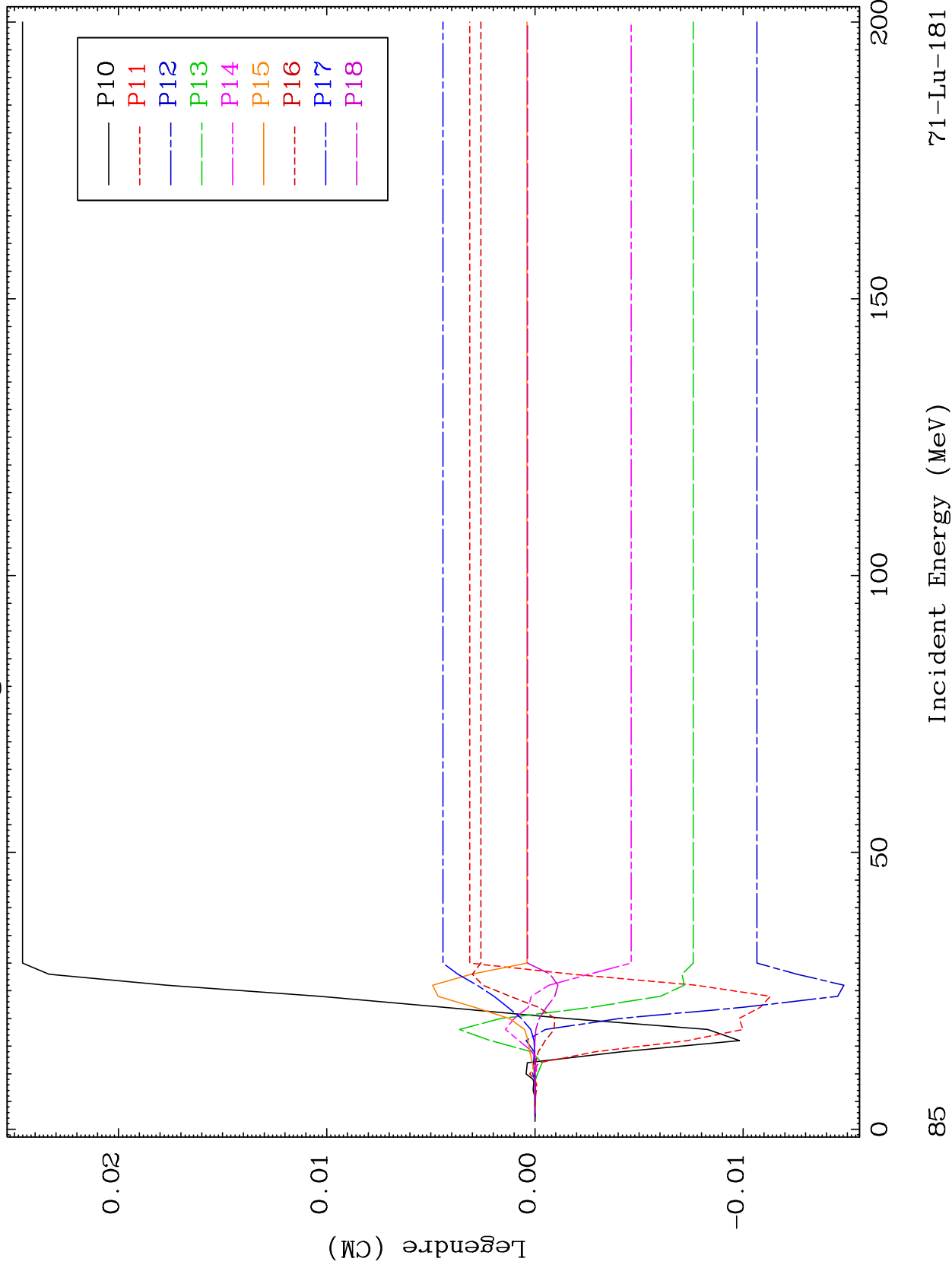
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

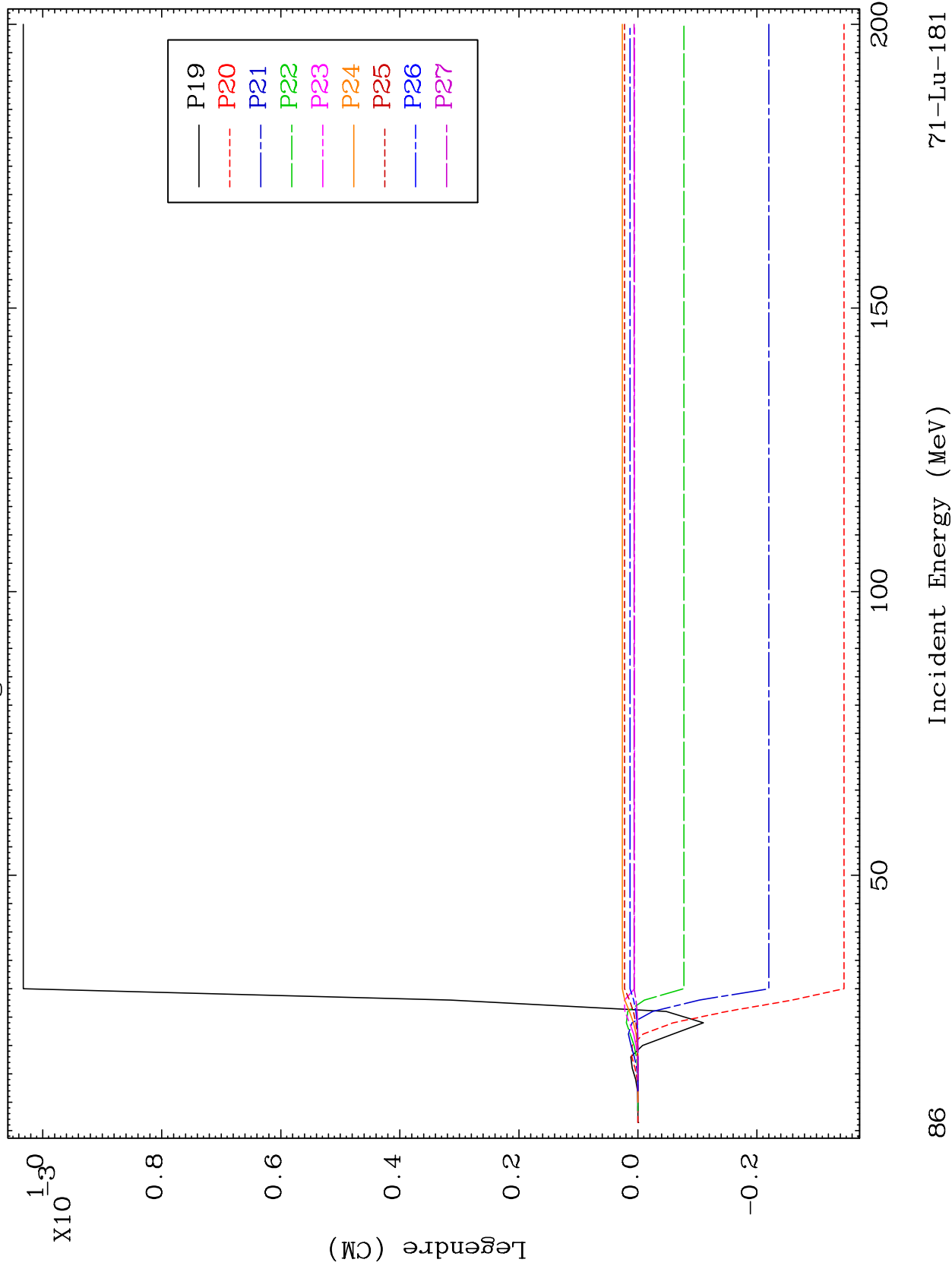
71-Lu-181



71-Lu-181

Incident Energy (MeV)

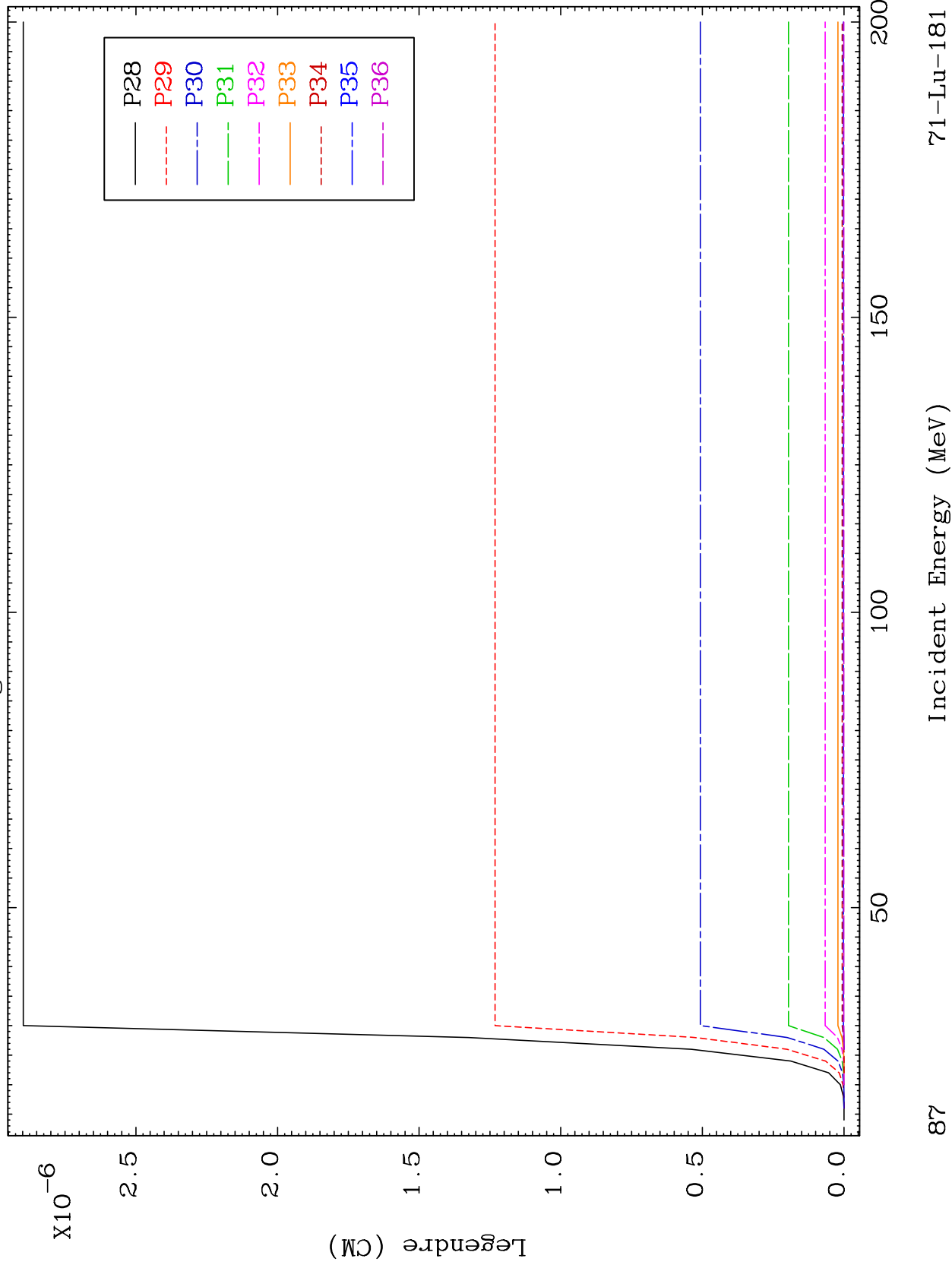
85



MAT 7143

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

71-Lu-181



87

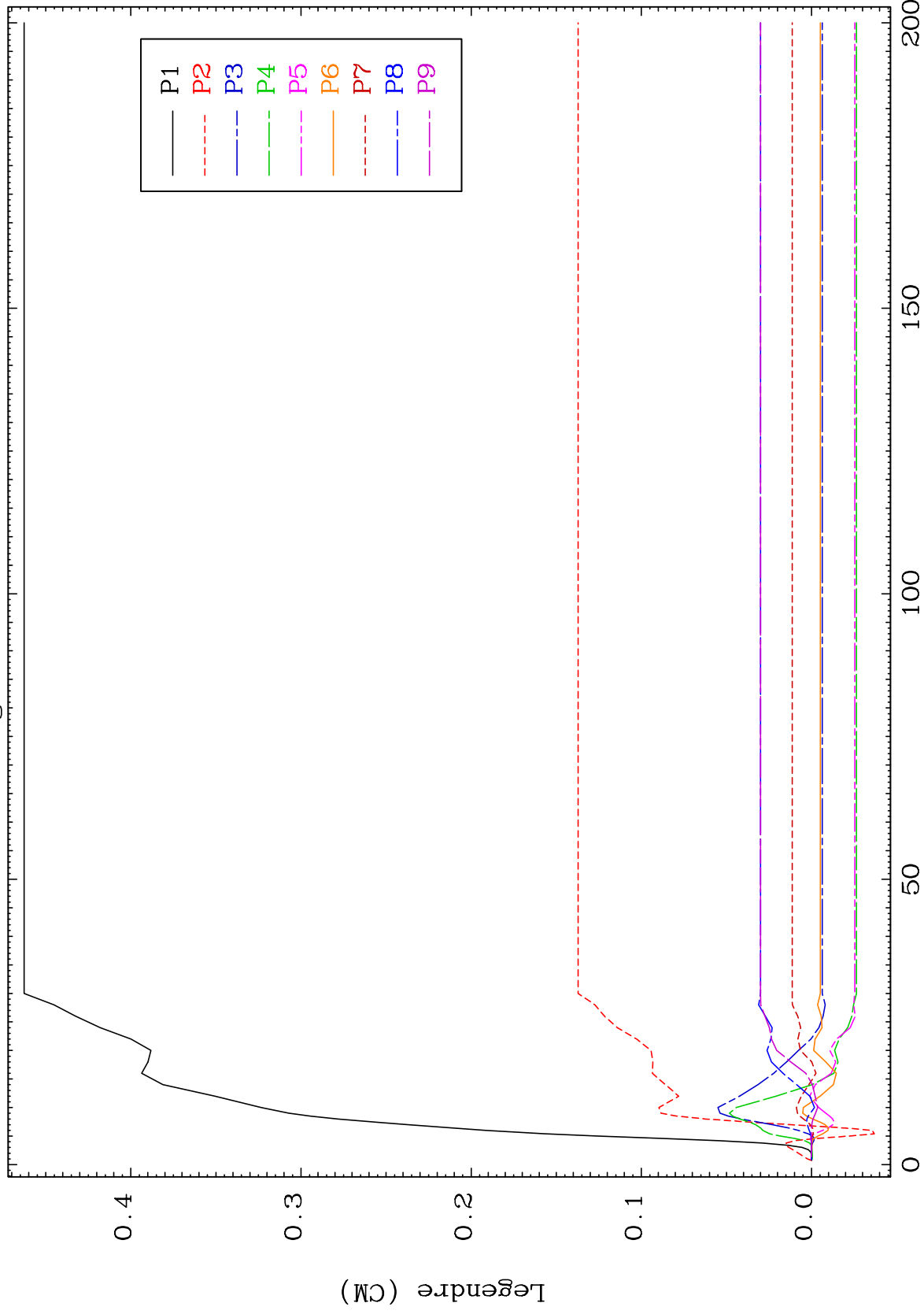
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



88

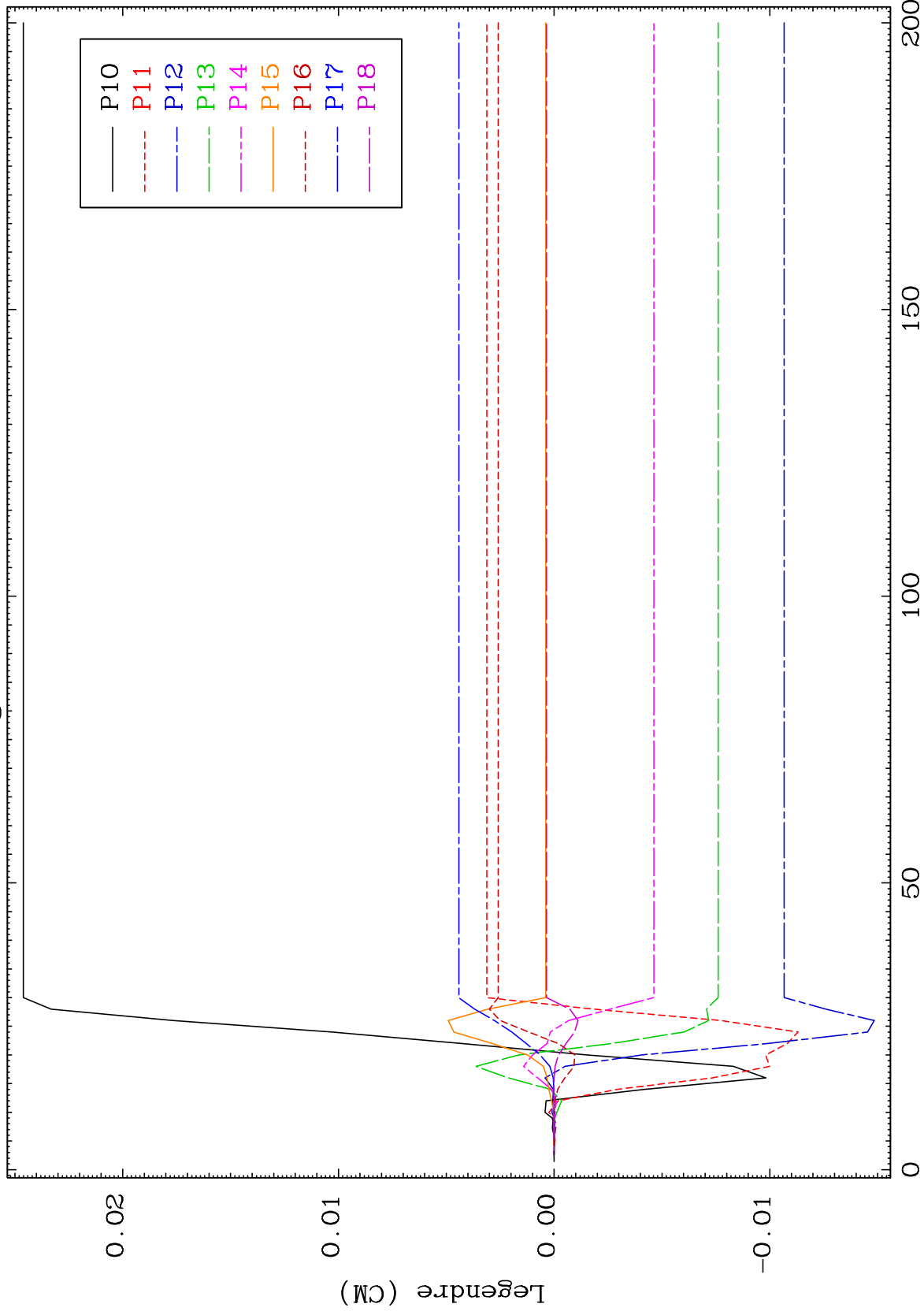
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



89

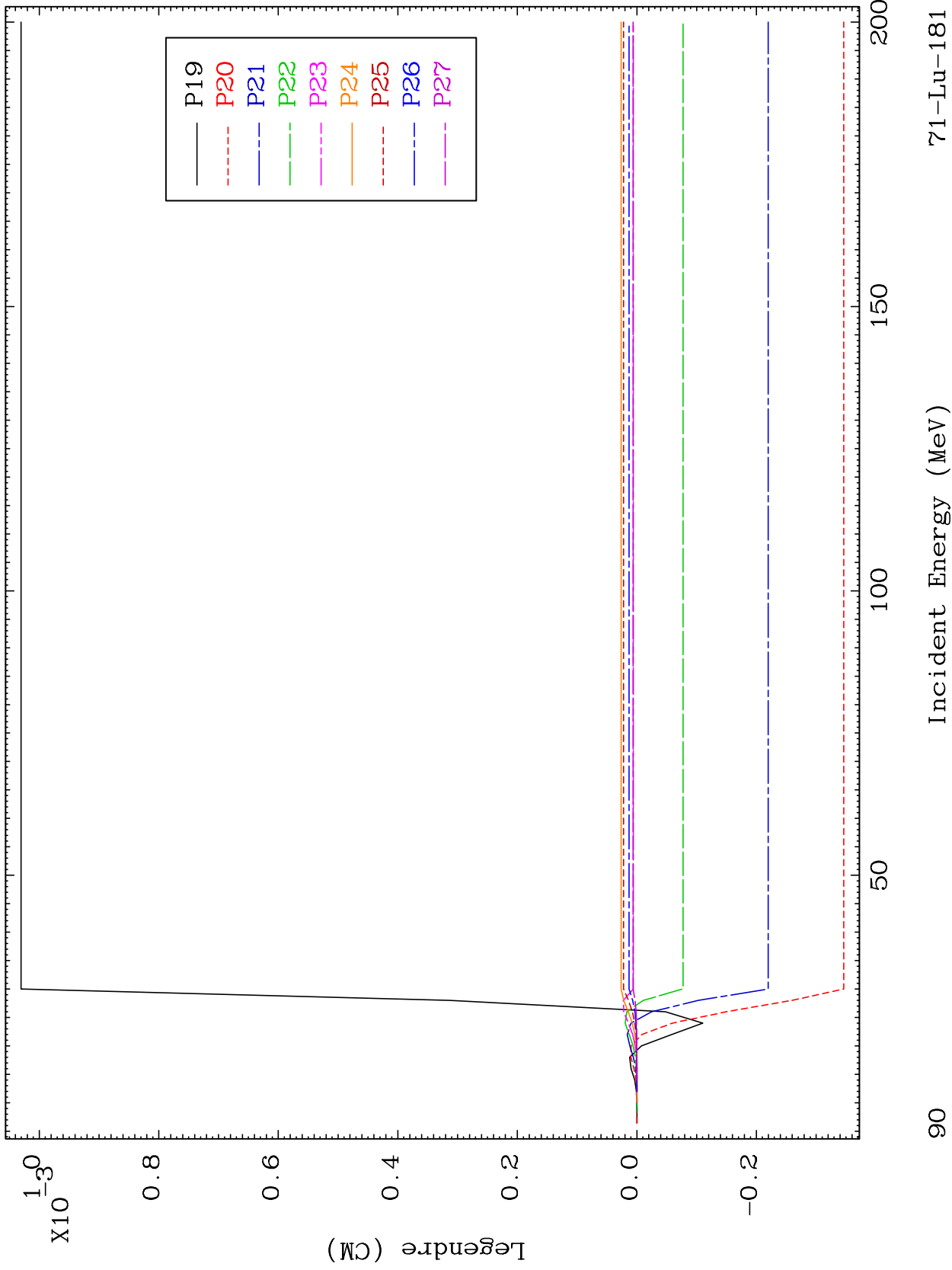
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



90

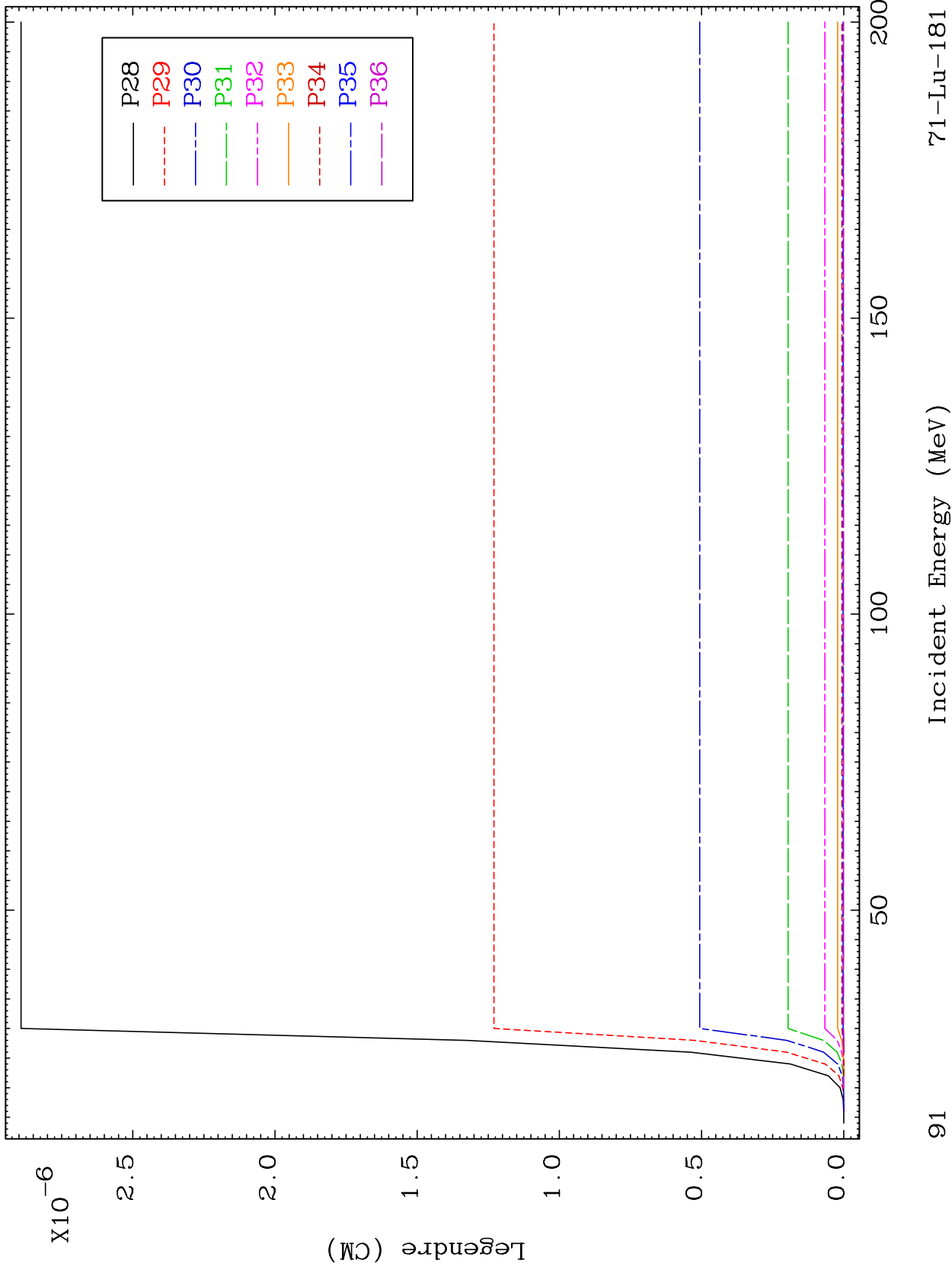
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

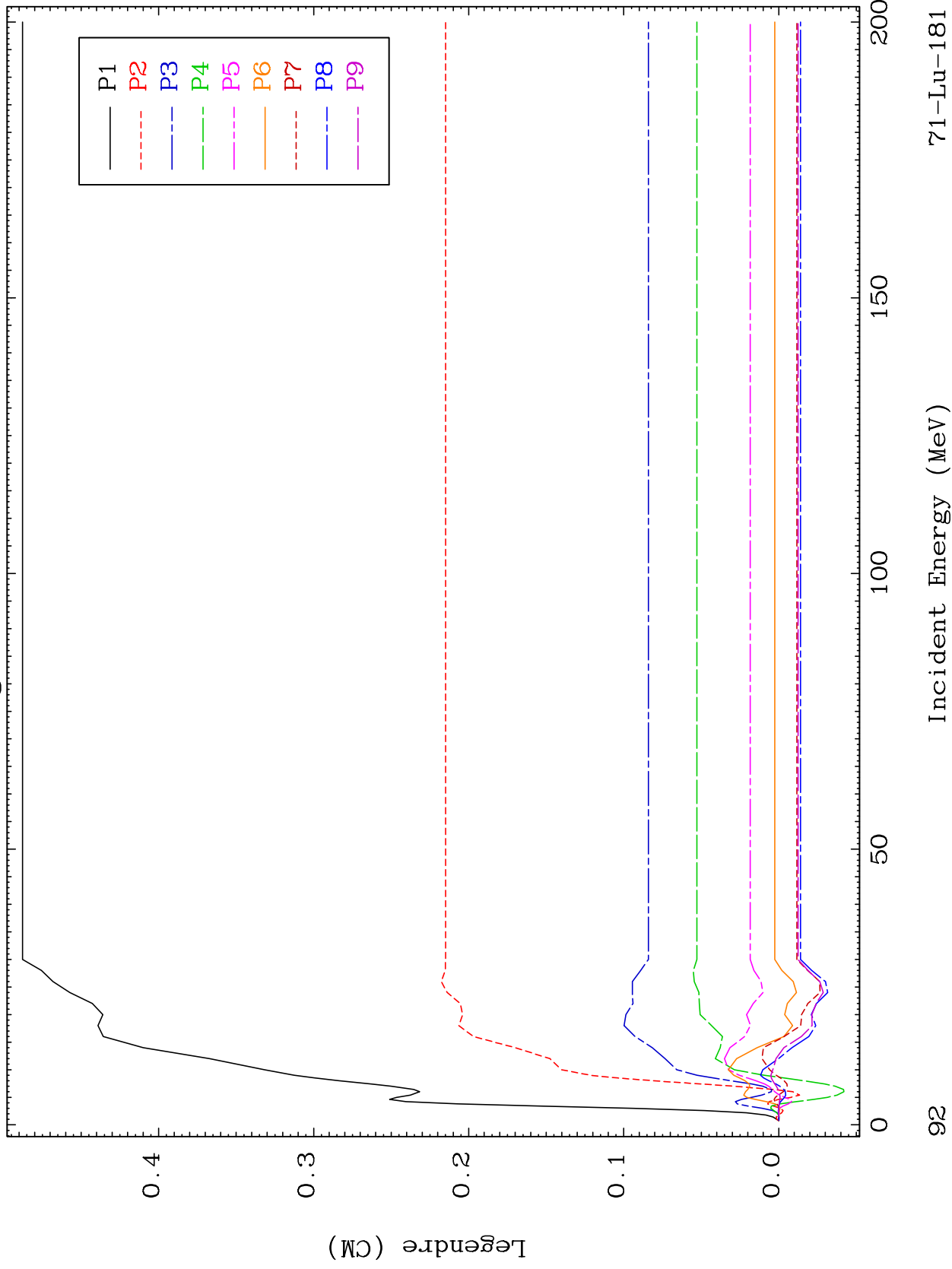
71-Lu-181



MAT 7143

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

71-Lu-181



71-Lu-181

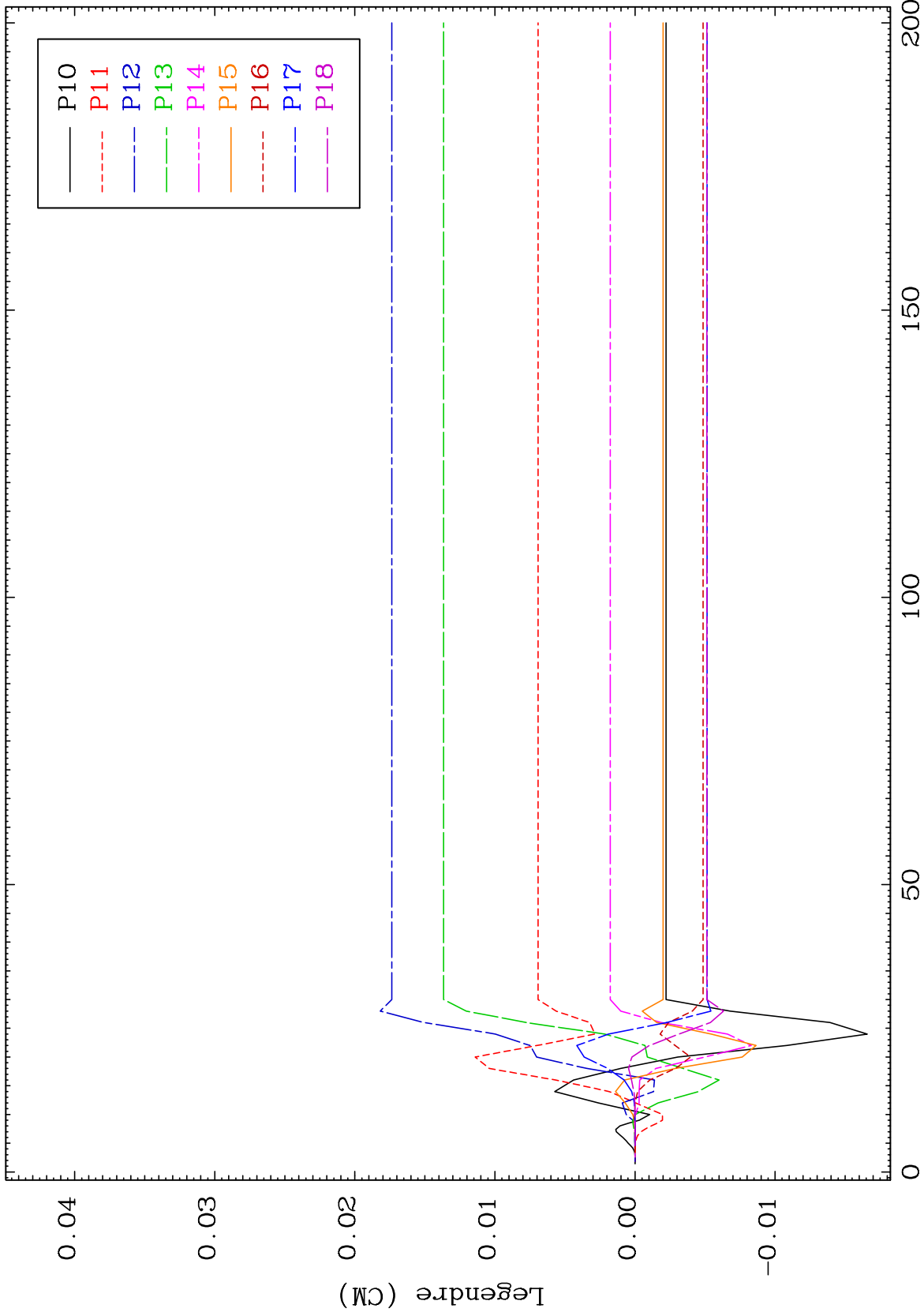
Incident Energy (MeV)

92

MAT 7143

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

71-Lu-181



93

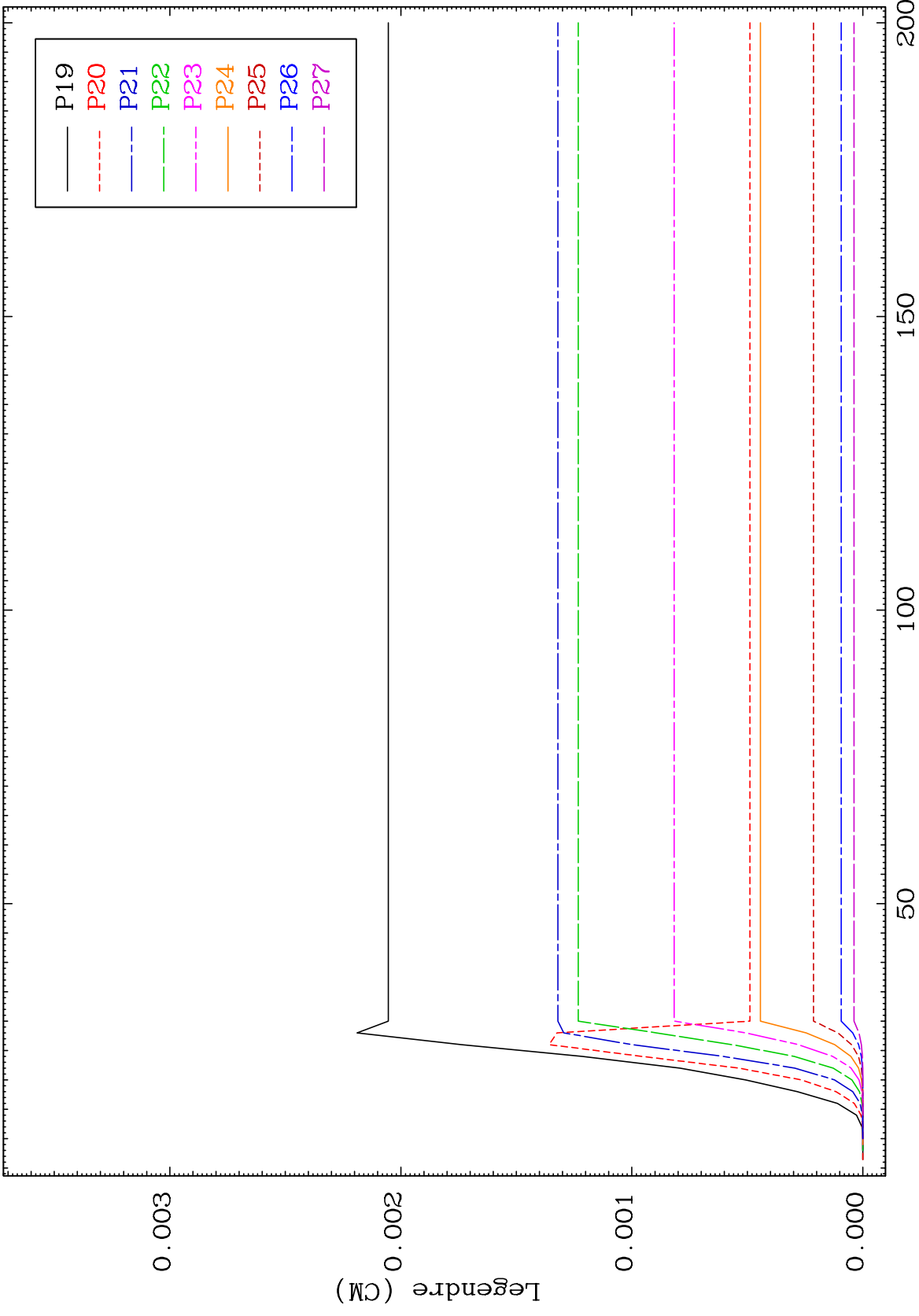
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



94

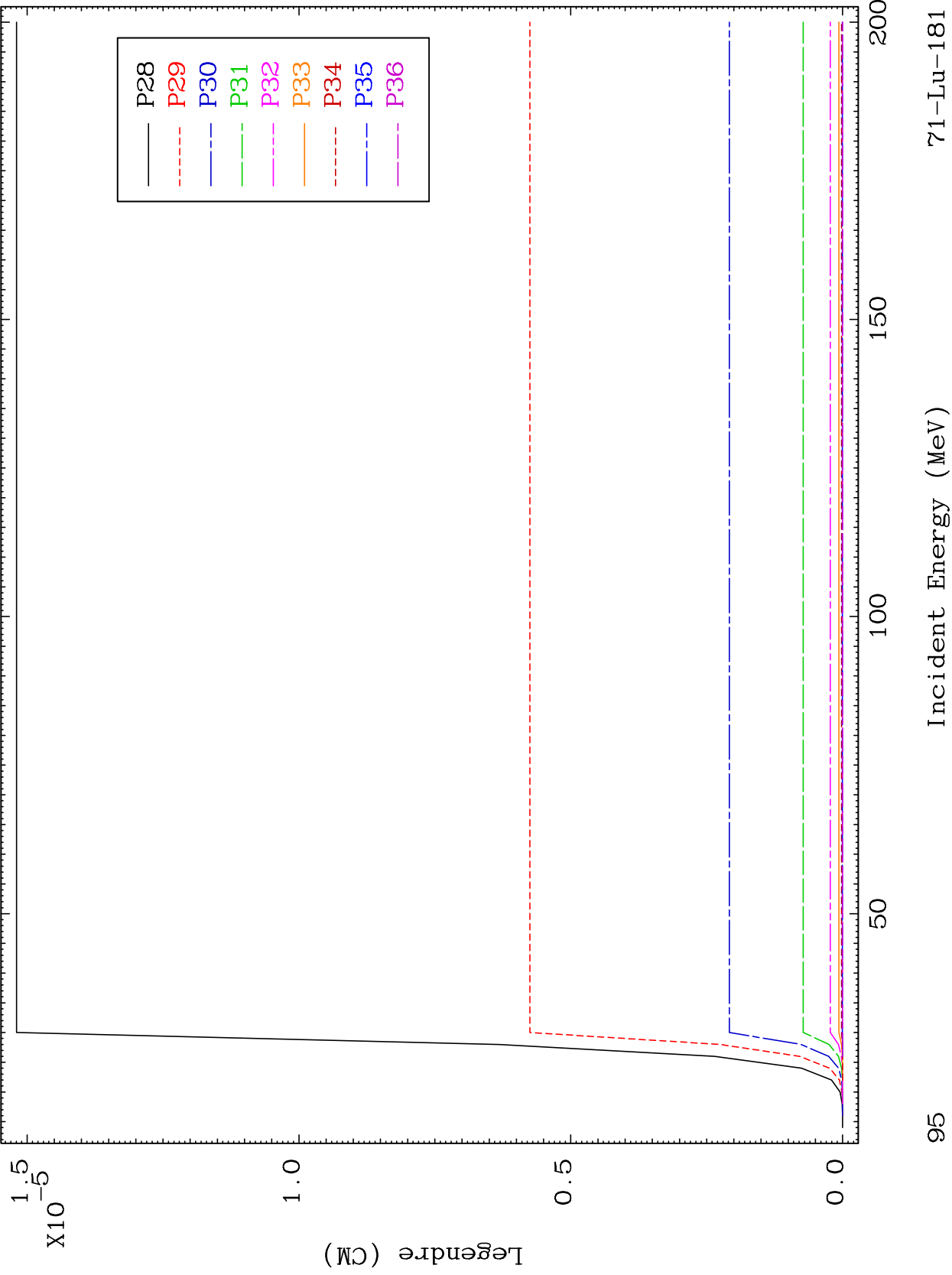
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

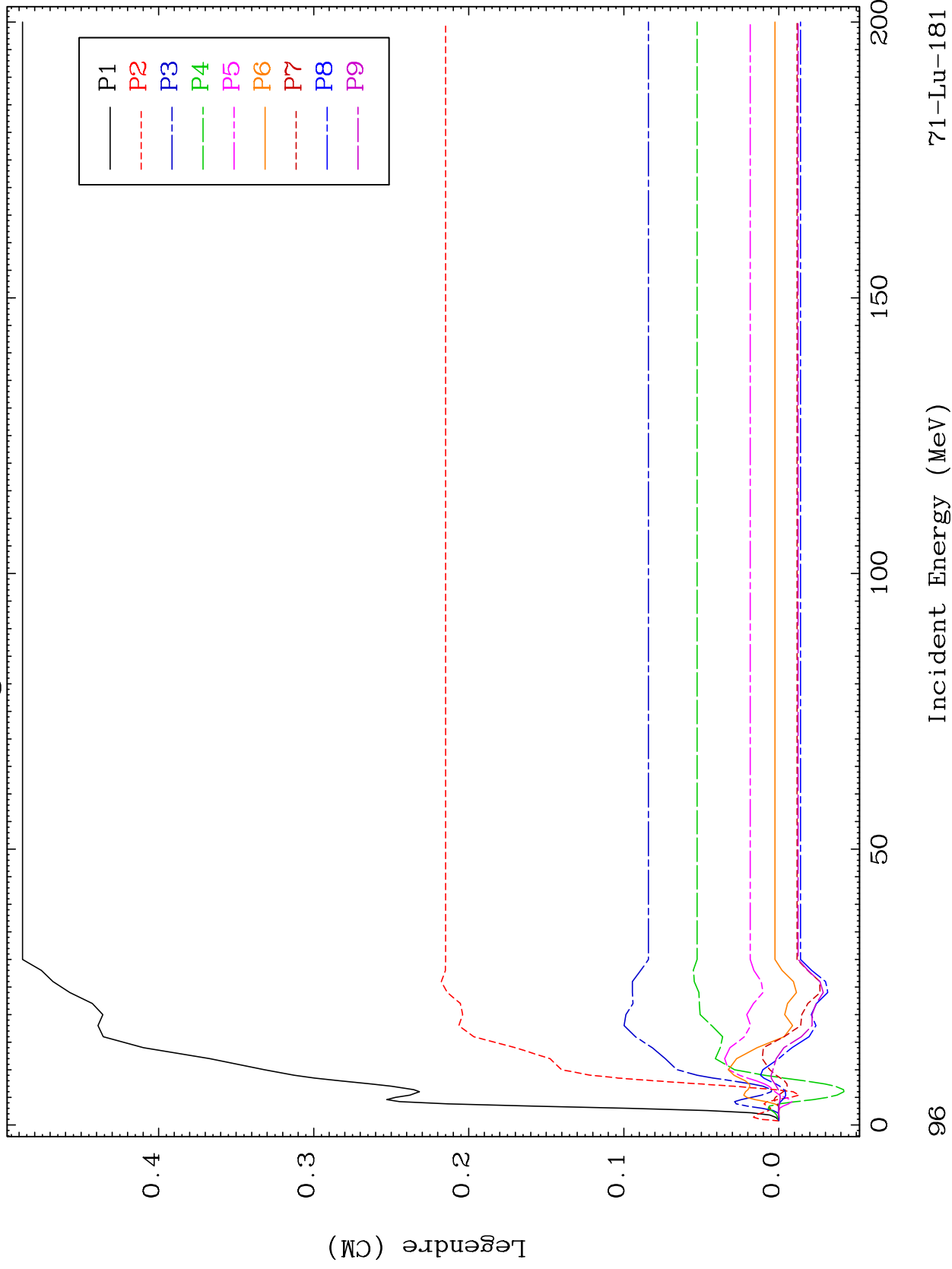
71-Lu-181



MAT 7143

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

71-Lu-181



71-Lu-181

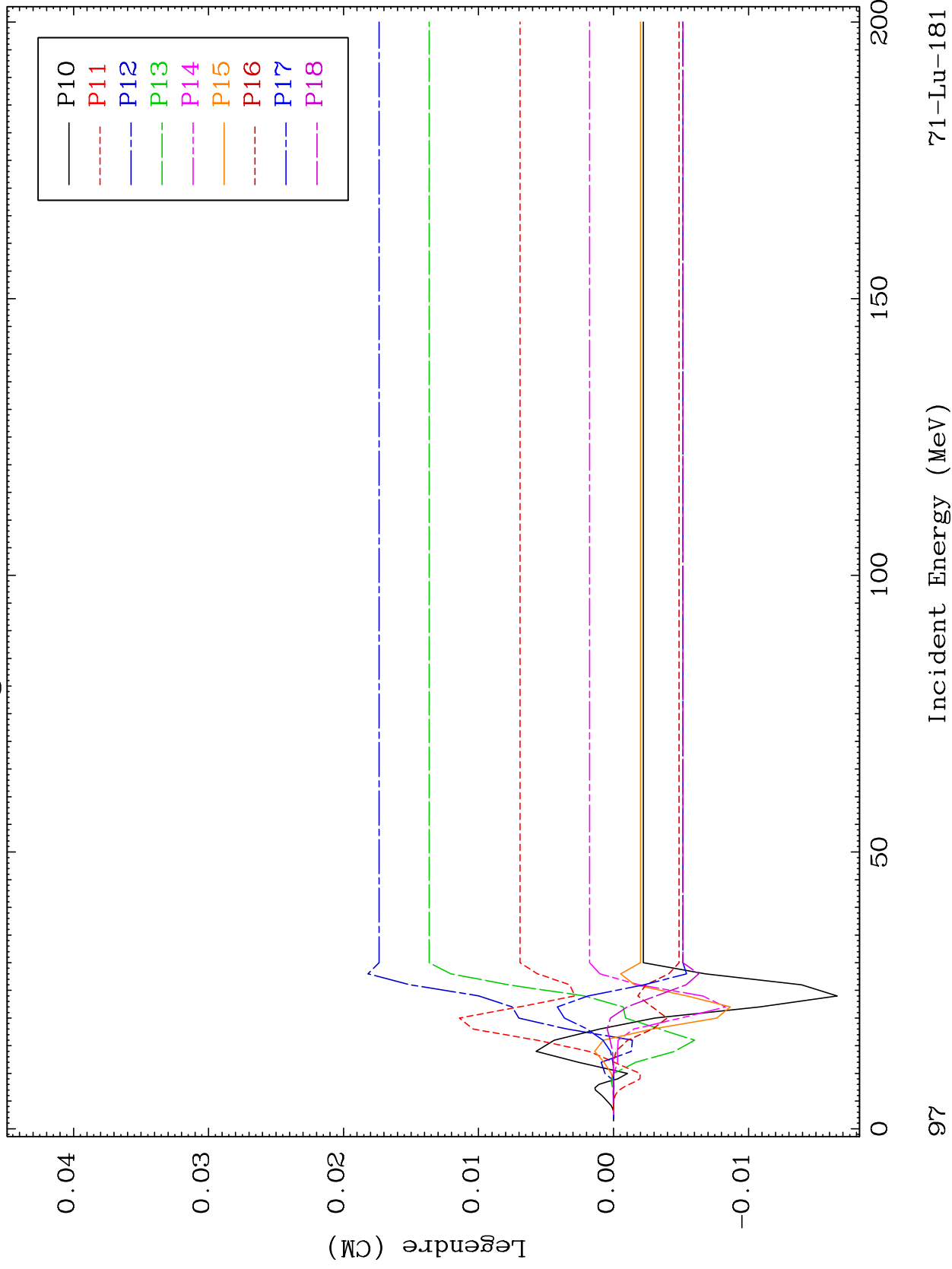
Incident Energy (MeV)

96

MAT 7143

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

71-Lu-181



71-Lu-181

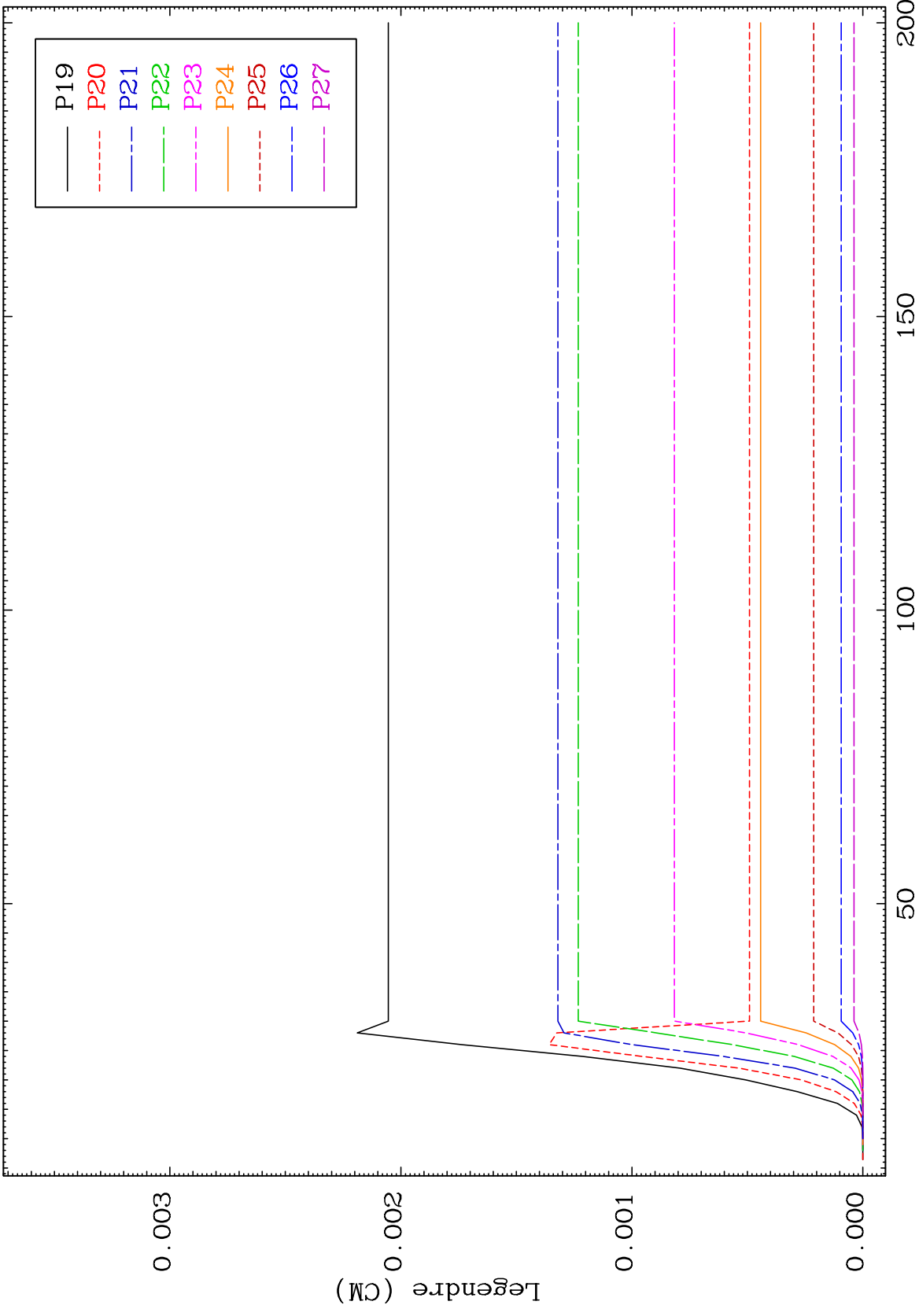
Incident Energy (MeV)

97

MAT 7143

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

71-Lu-181



98

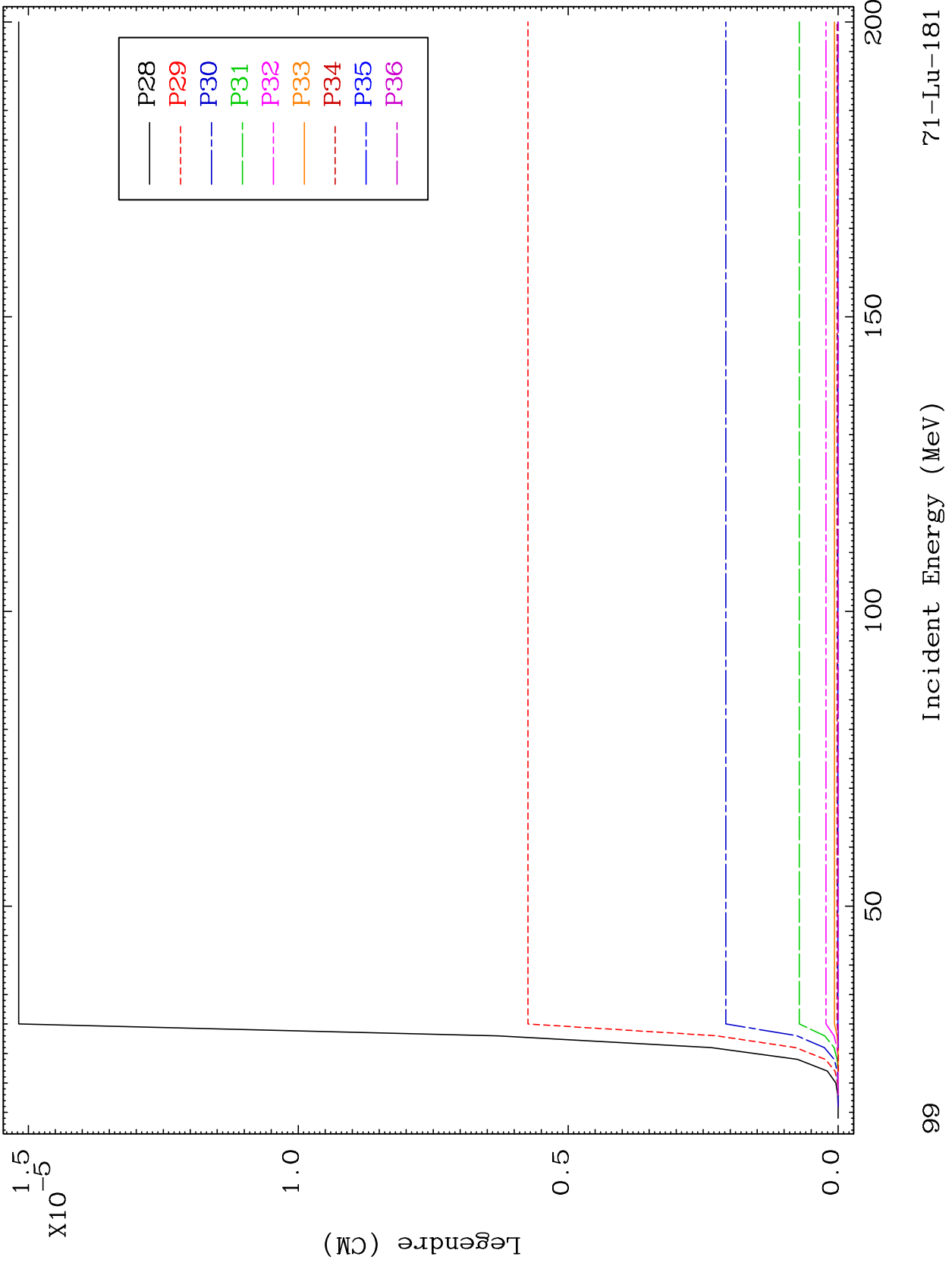
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181

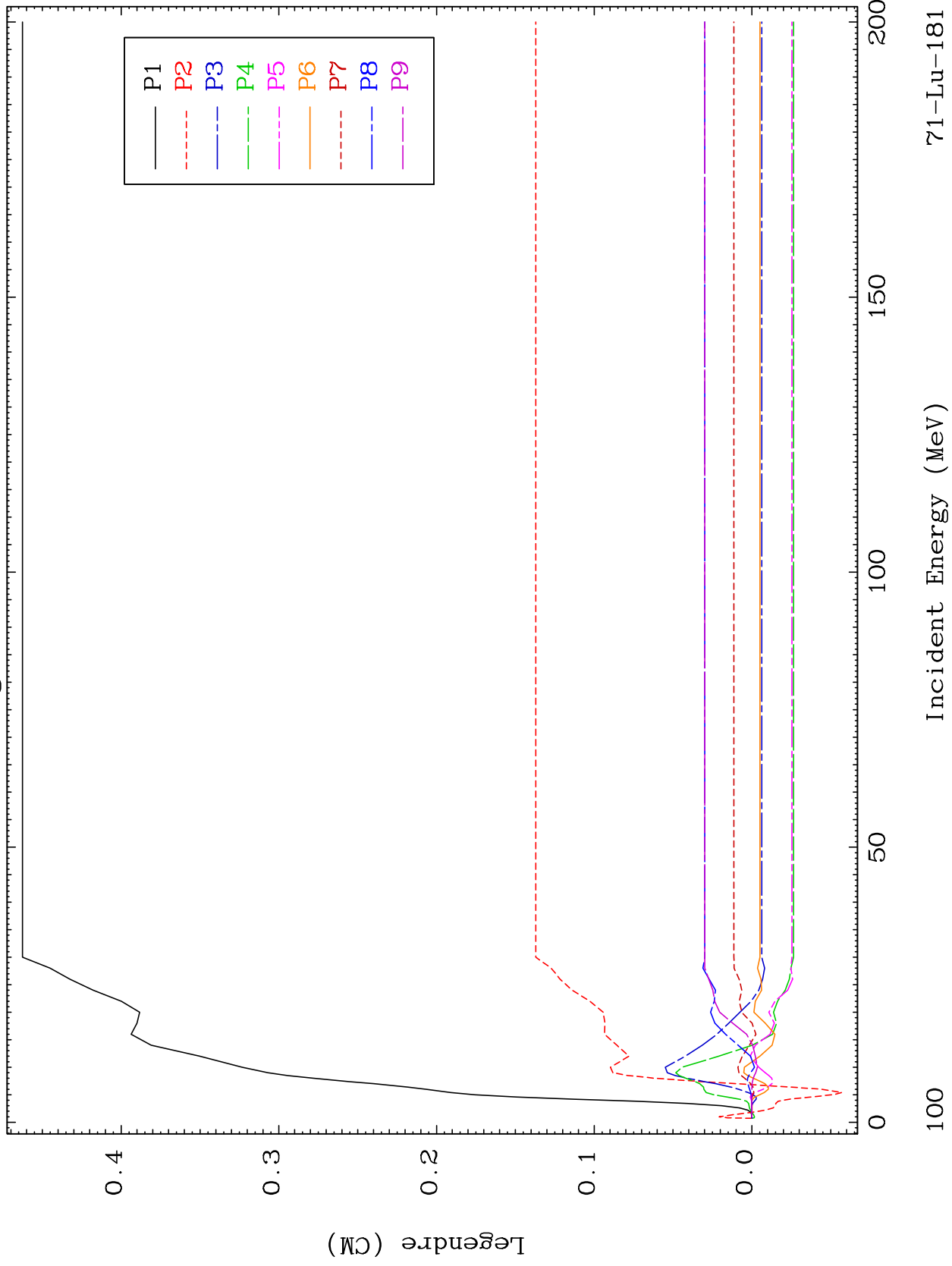


99

MAT 7143

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

71-Lu-181



71-Lu-181

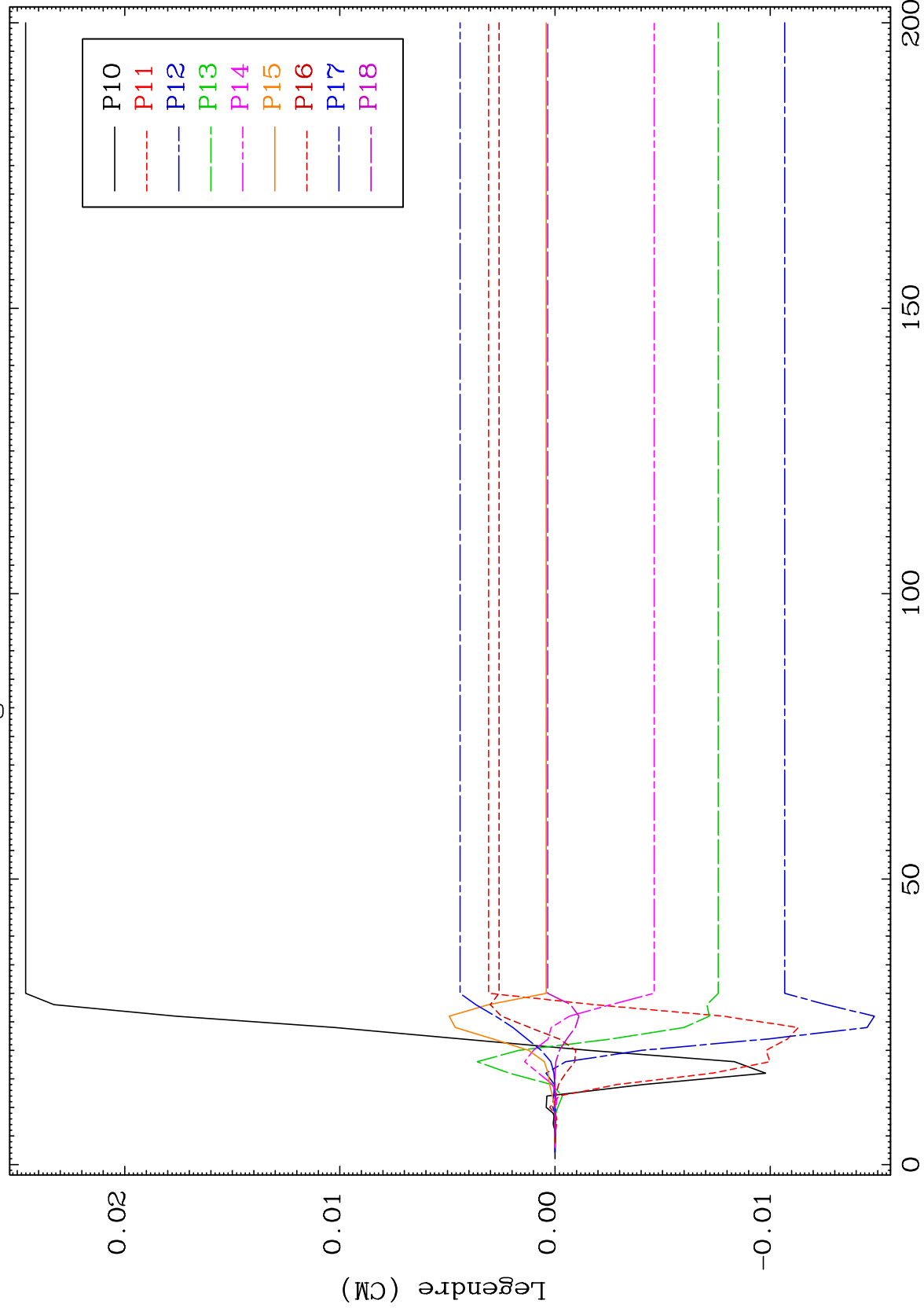
Incident Energy (MeV)

100

MAT 7143

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

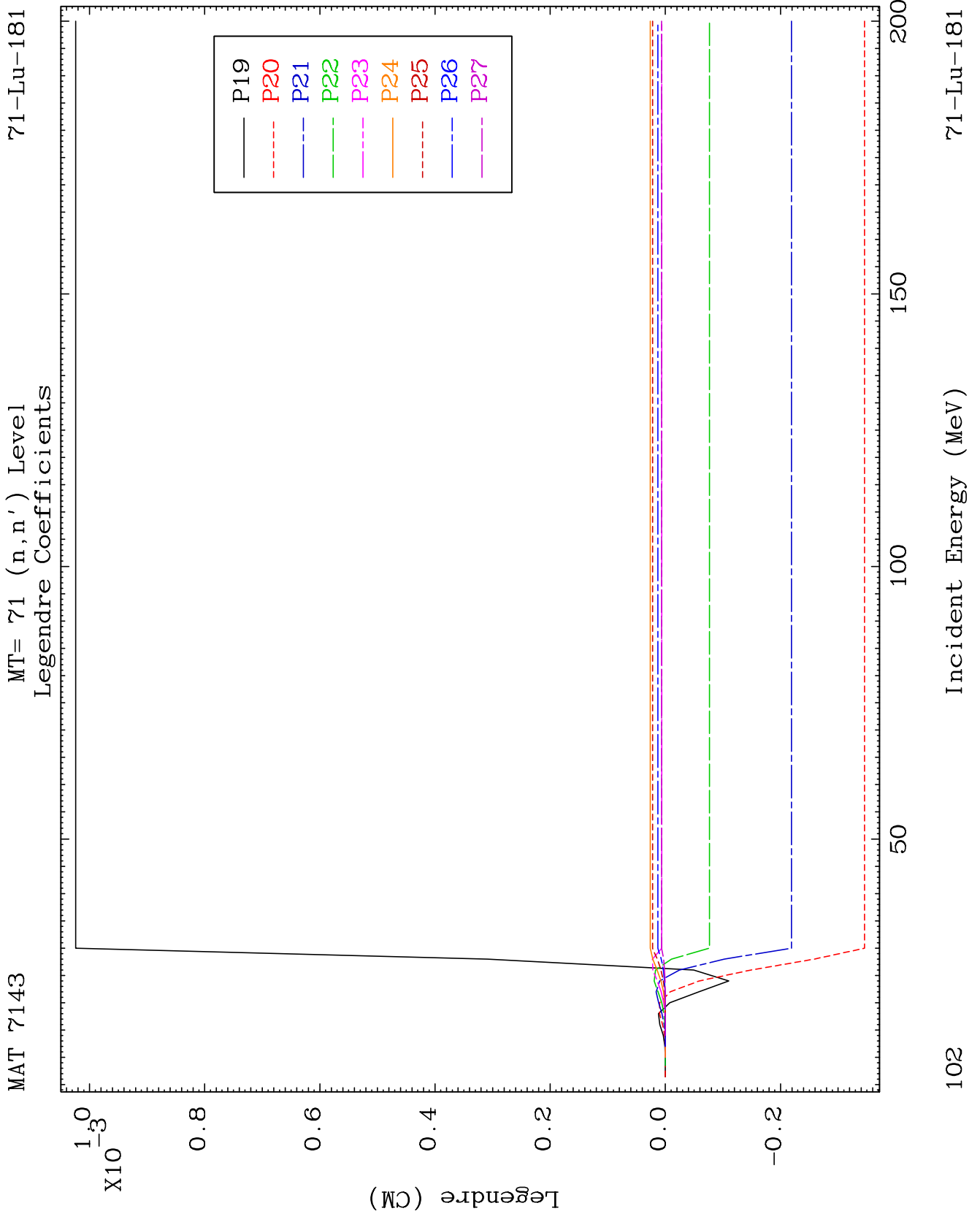
71-Lu-181

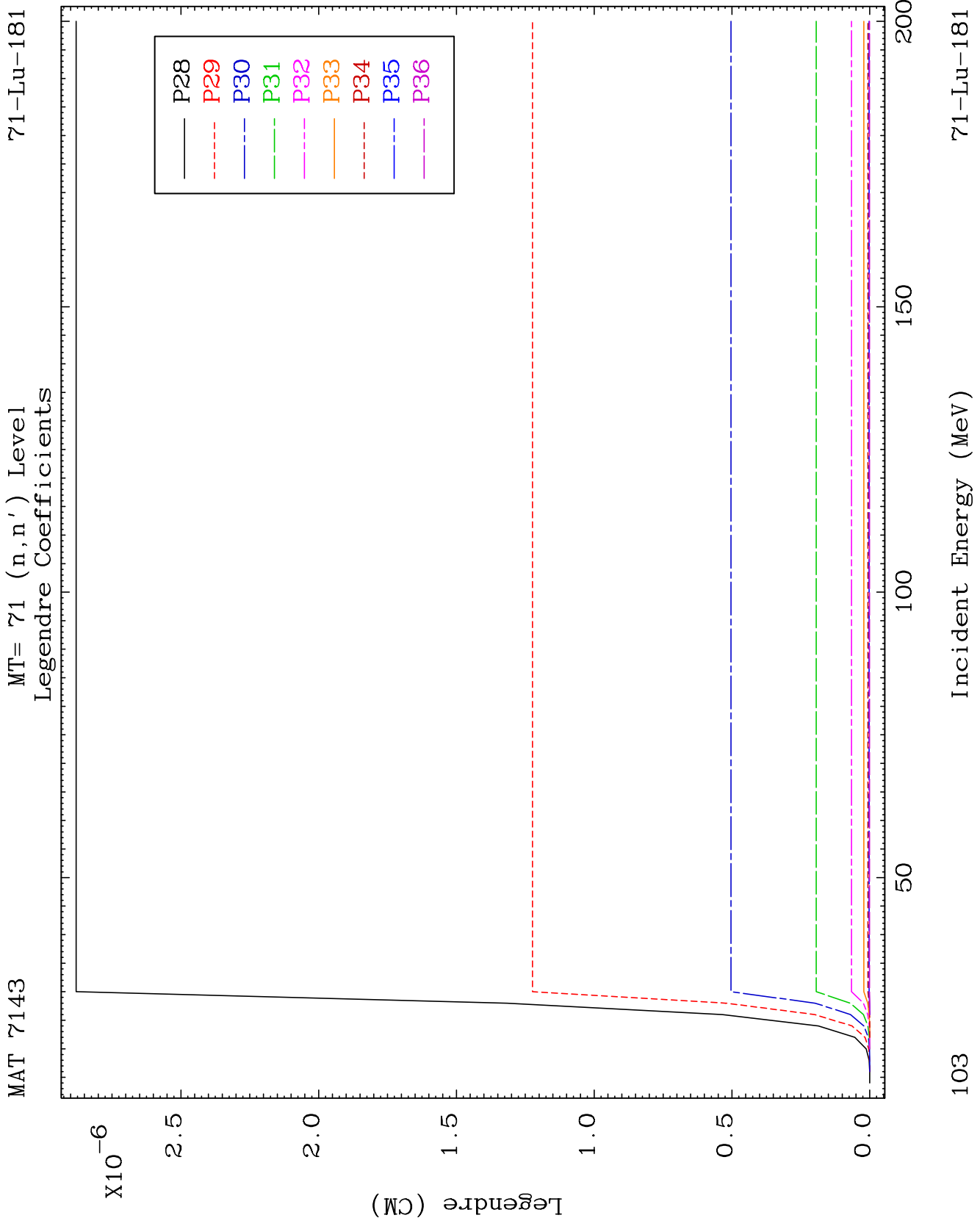


71-Lu-181

Incident Energy (MeV)

101

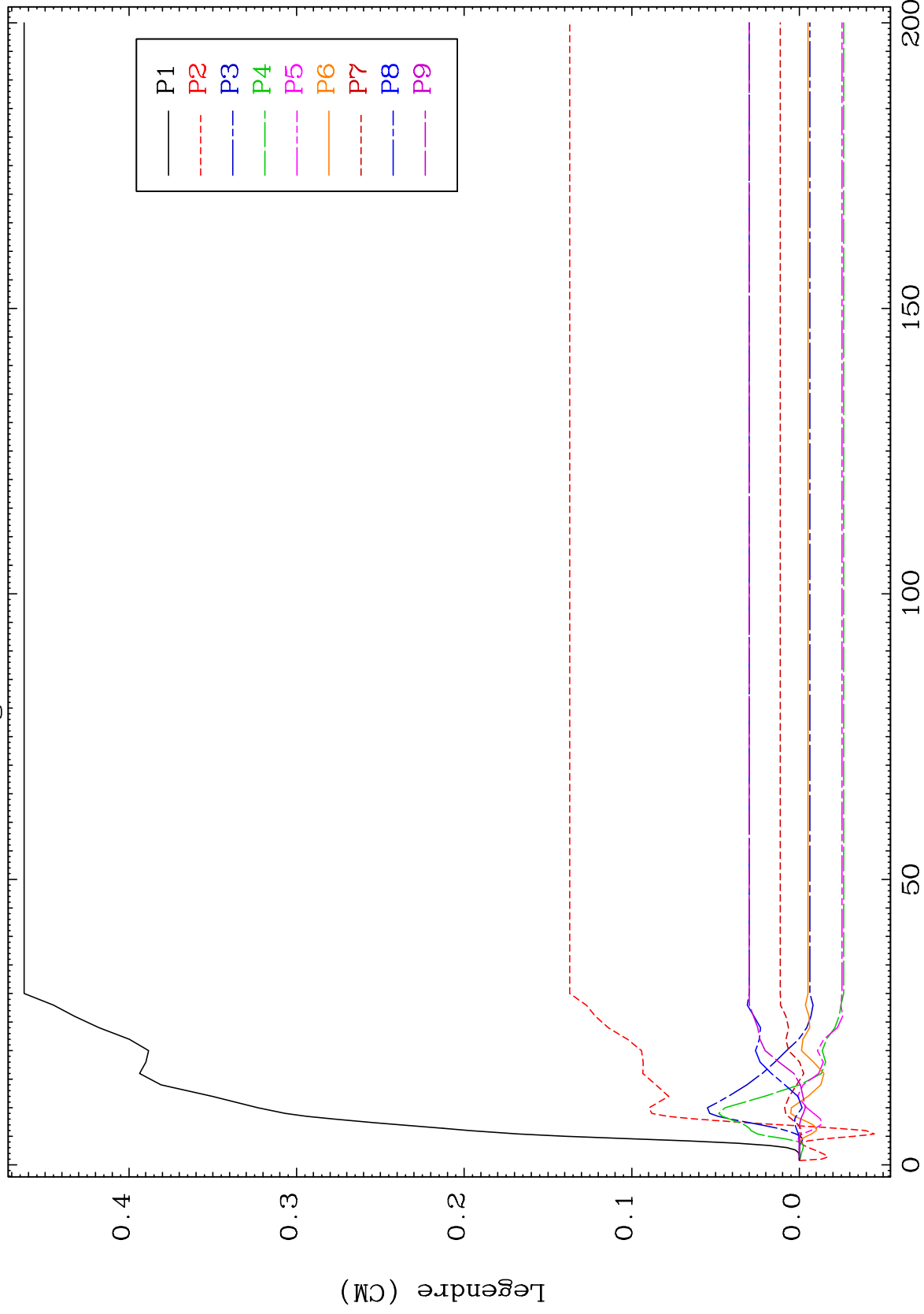




MAT 7143

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

71-Lu-181



104

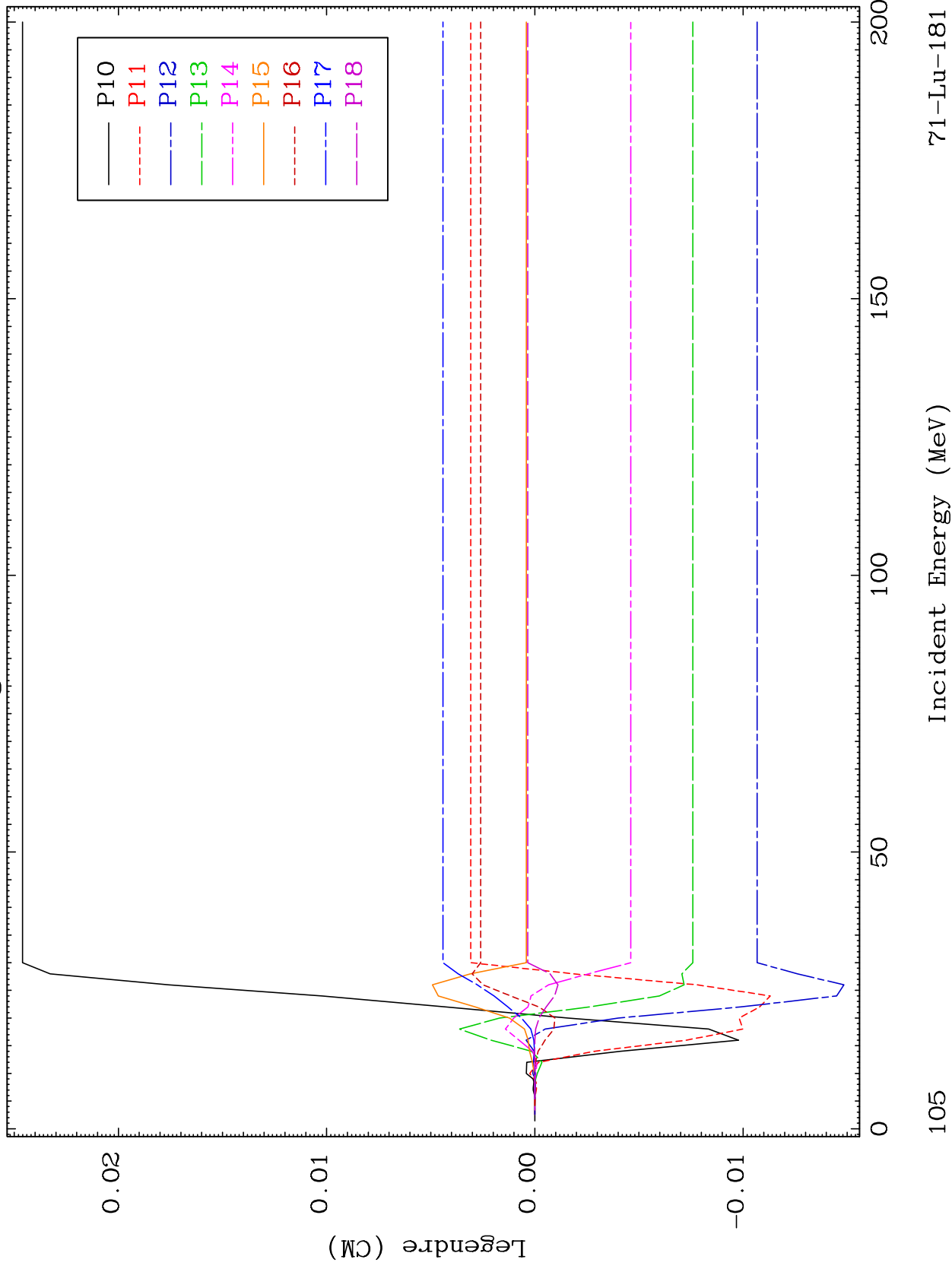
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



71-Lu-181

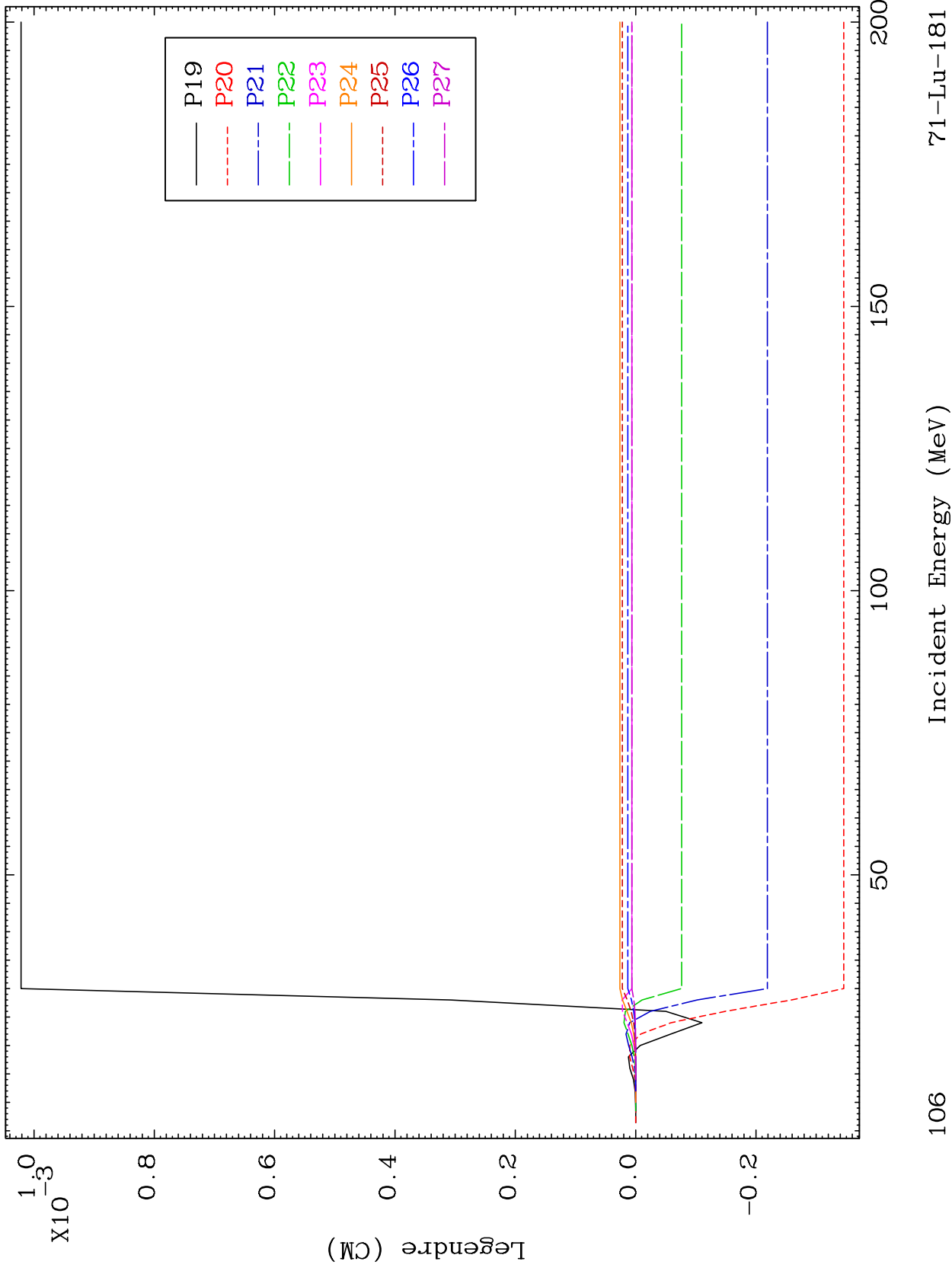
Incident Energy (MeV)

105

MAT 7143

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

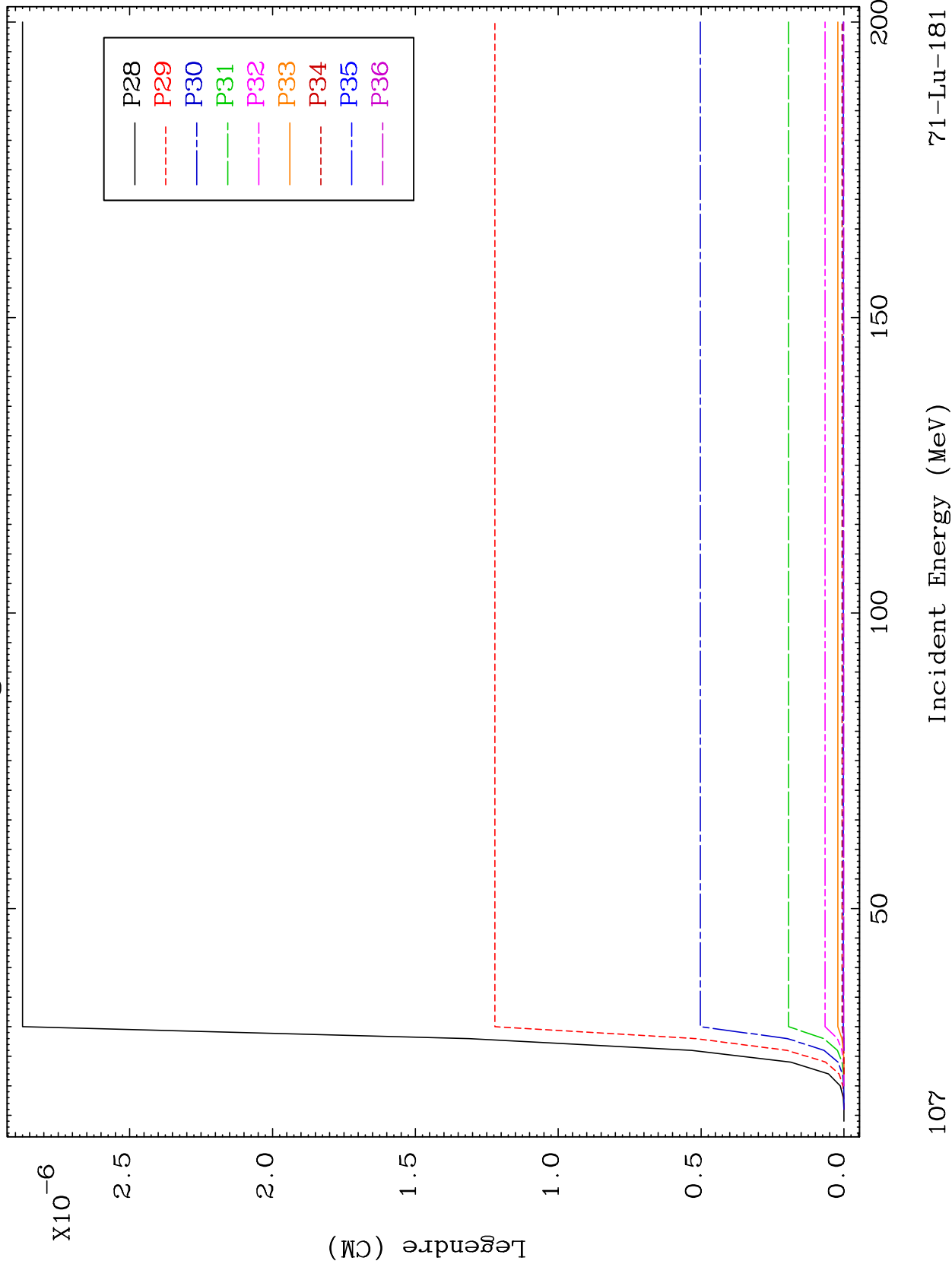
71-Lu-181



MAT 7143

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

71-Lu-181

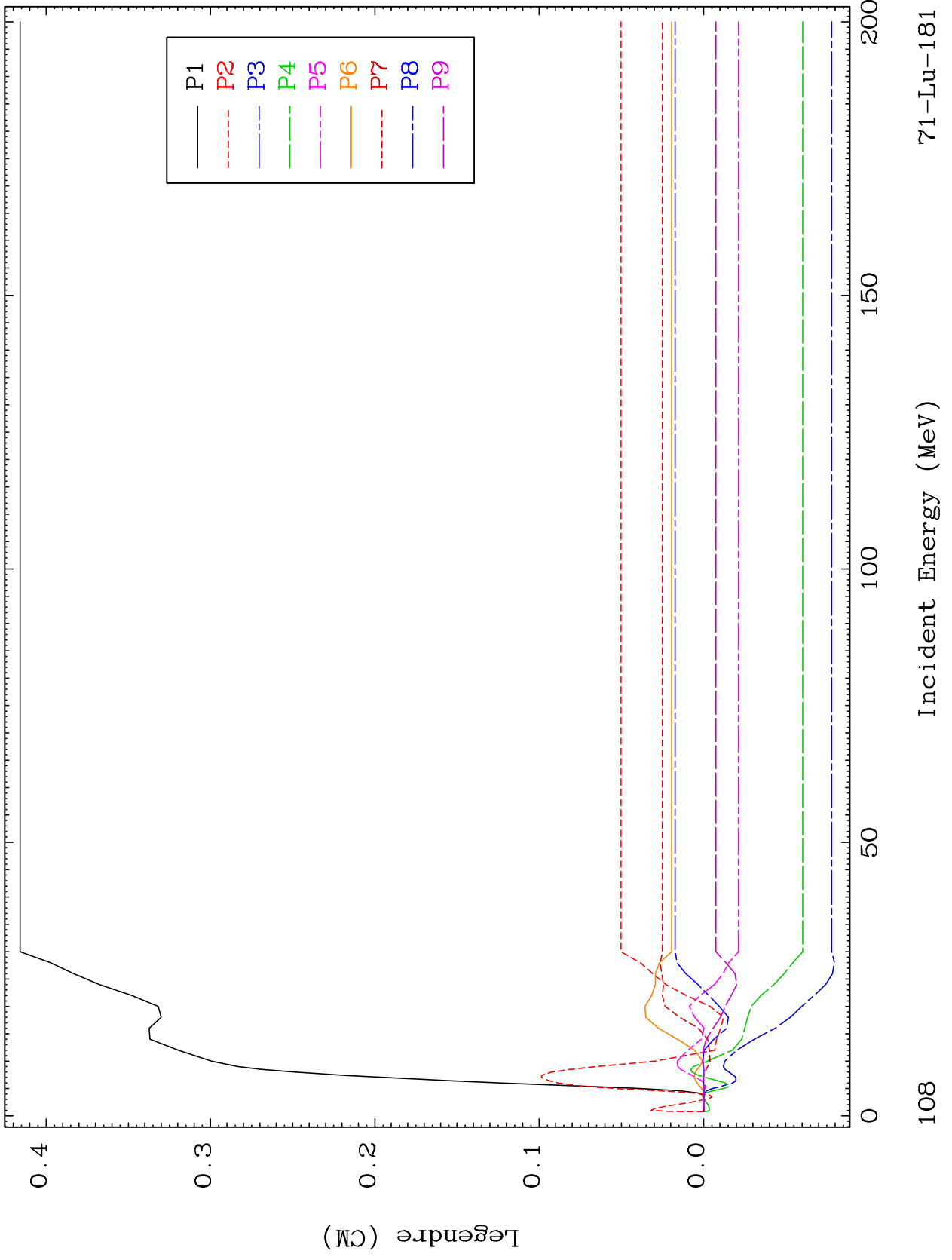


107

MAT 7143

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

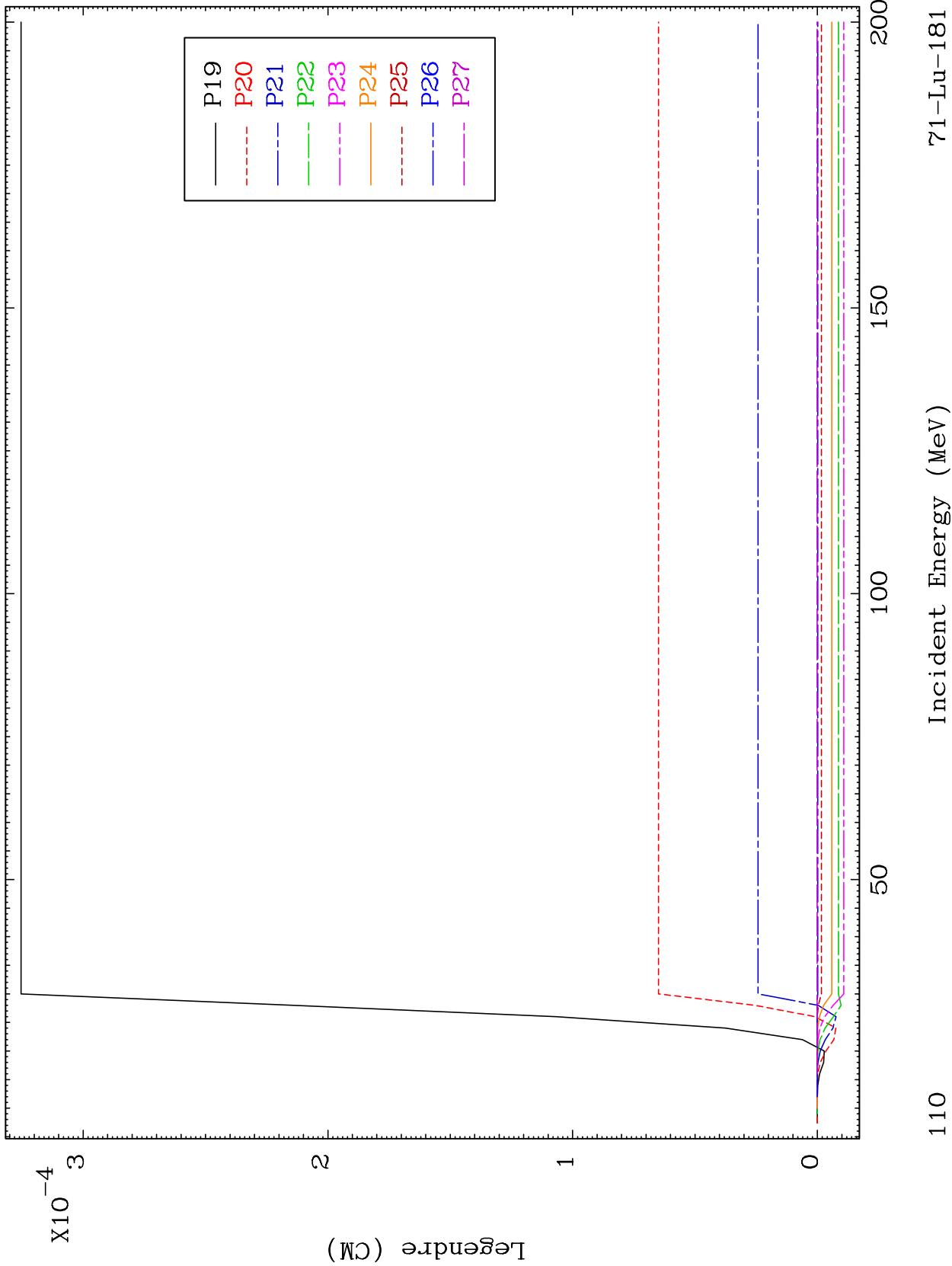
71-Lu-181



MAT 7143

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

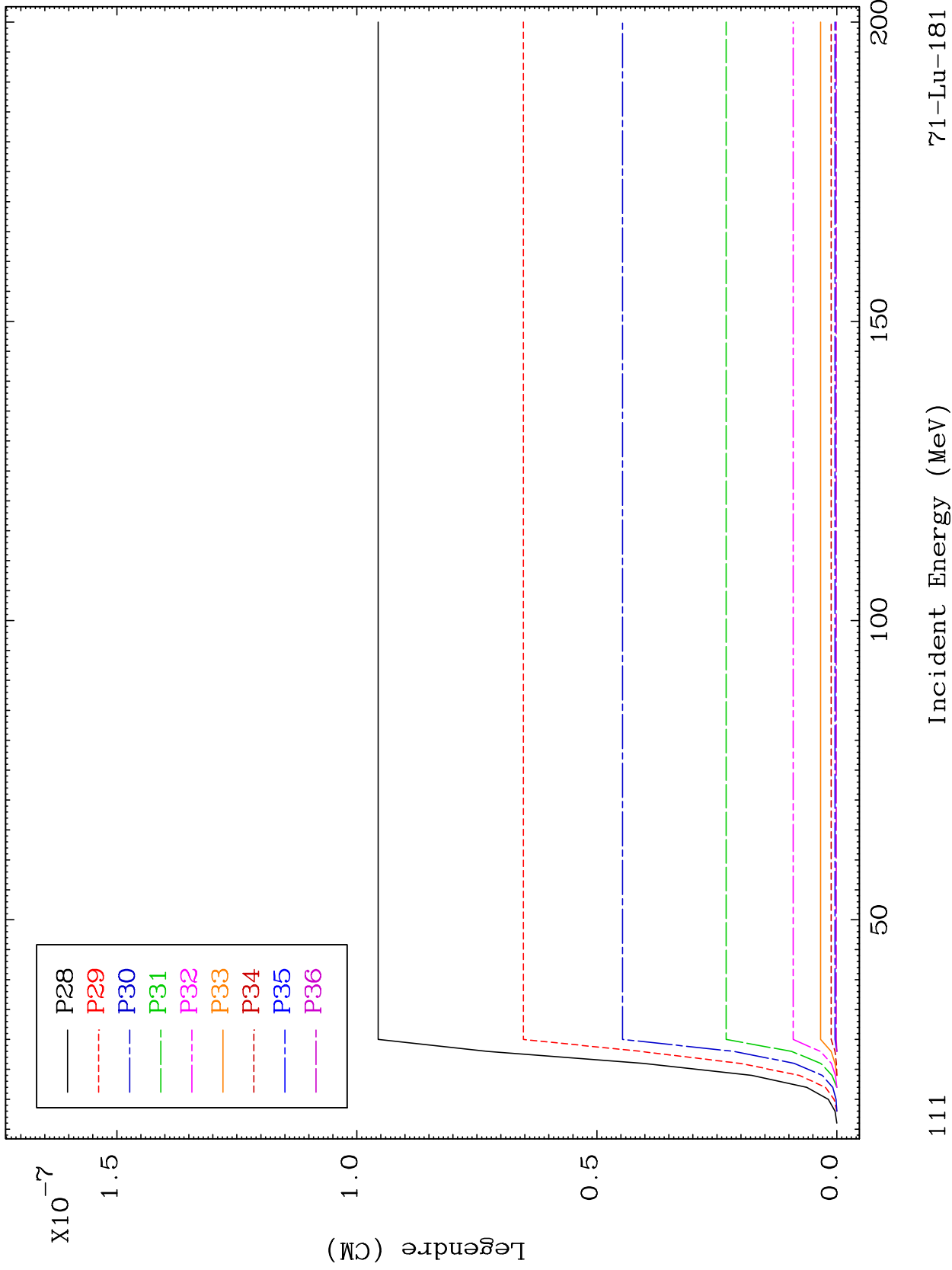
71-Lu-181



MAT 7143

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

71-Lu-181

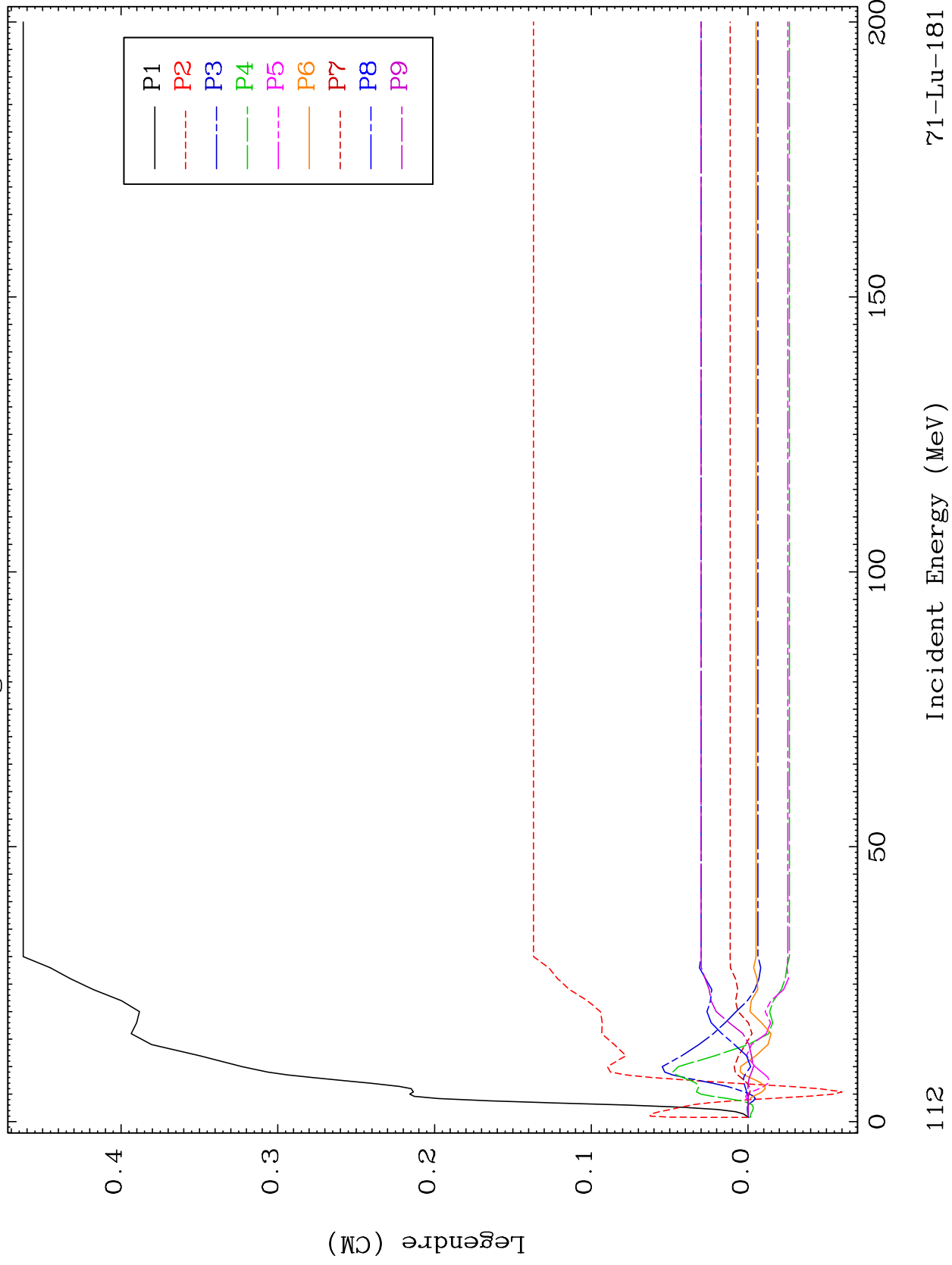


111

MAT 7143

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

71-Lu-181



71-Lu-181

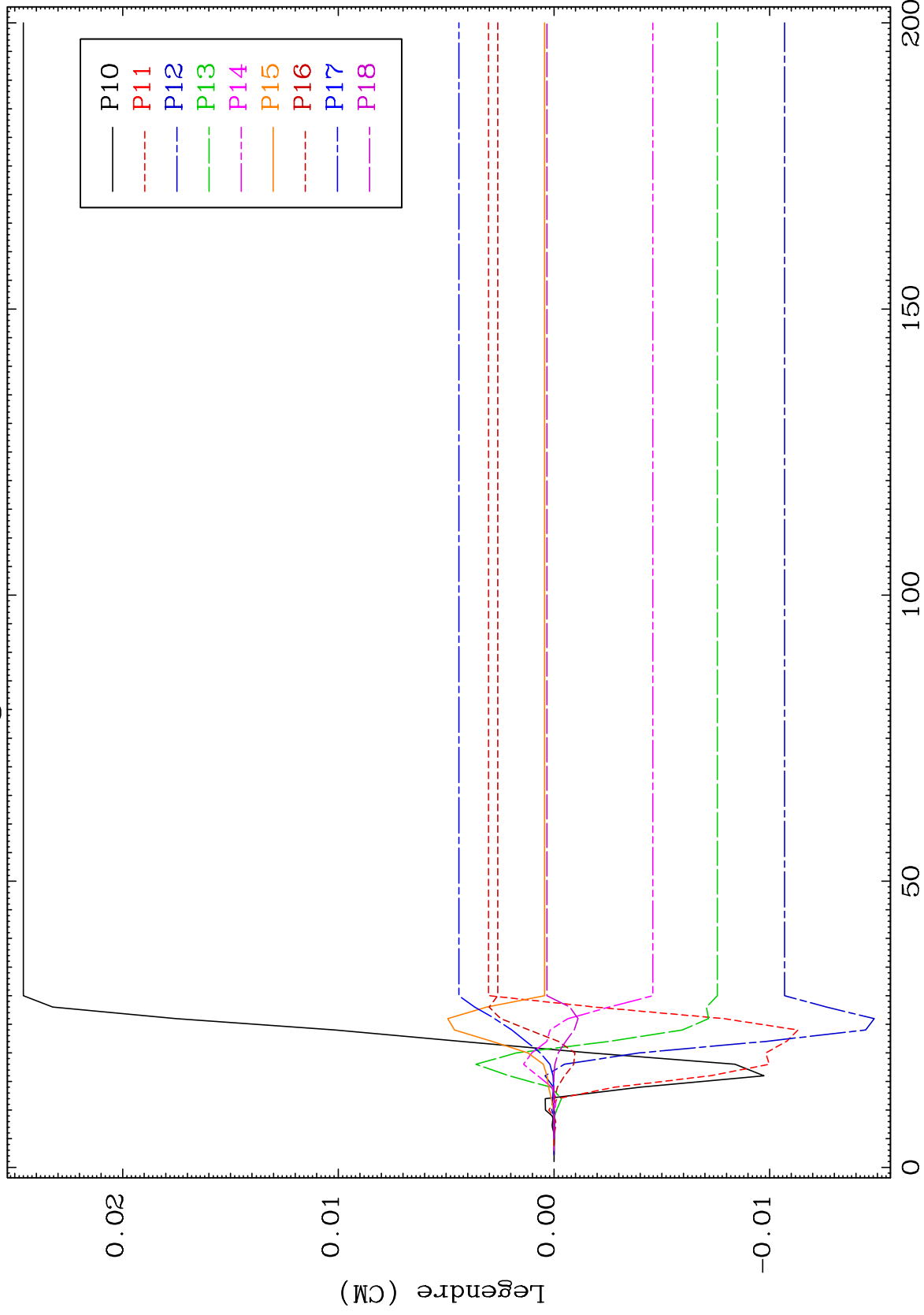
Incident Energy (MeV)

112

MAT 7143

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

71-Lu-181



113

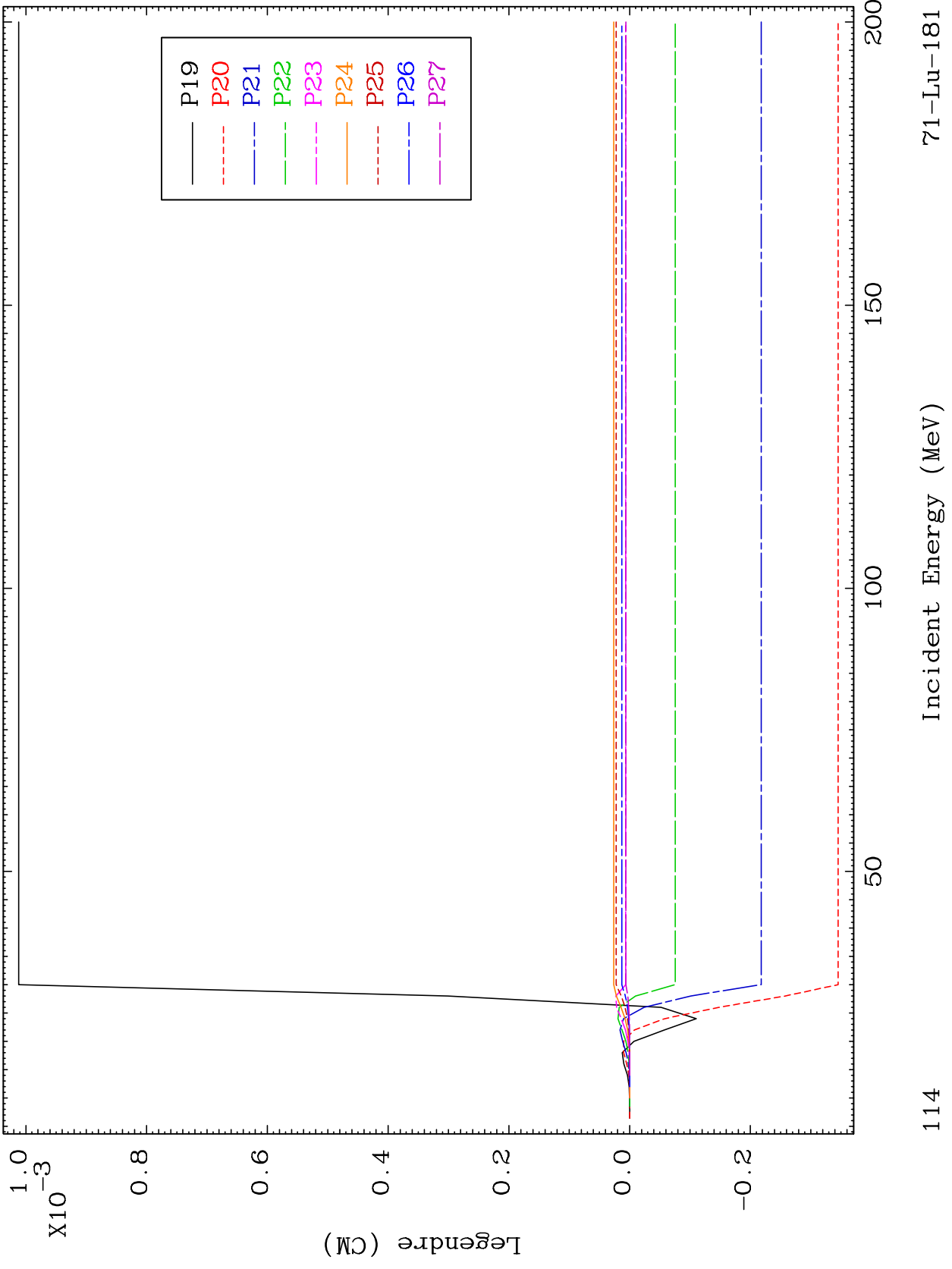
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



114

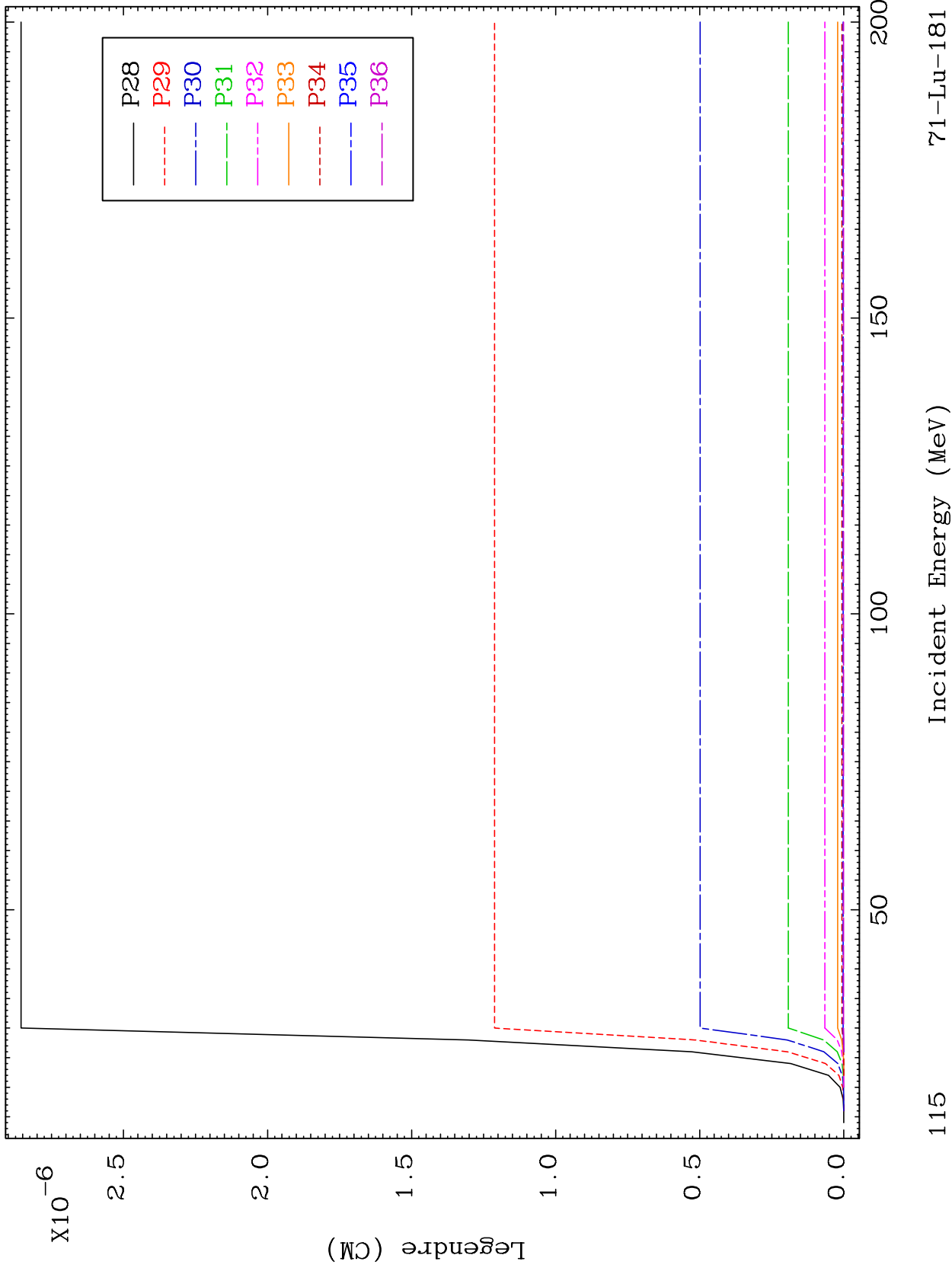
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

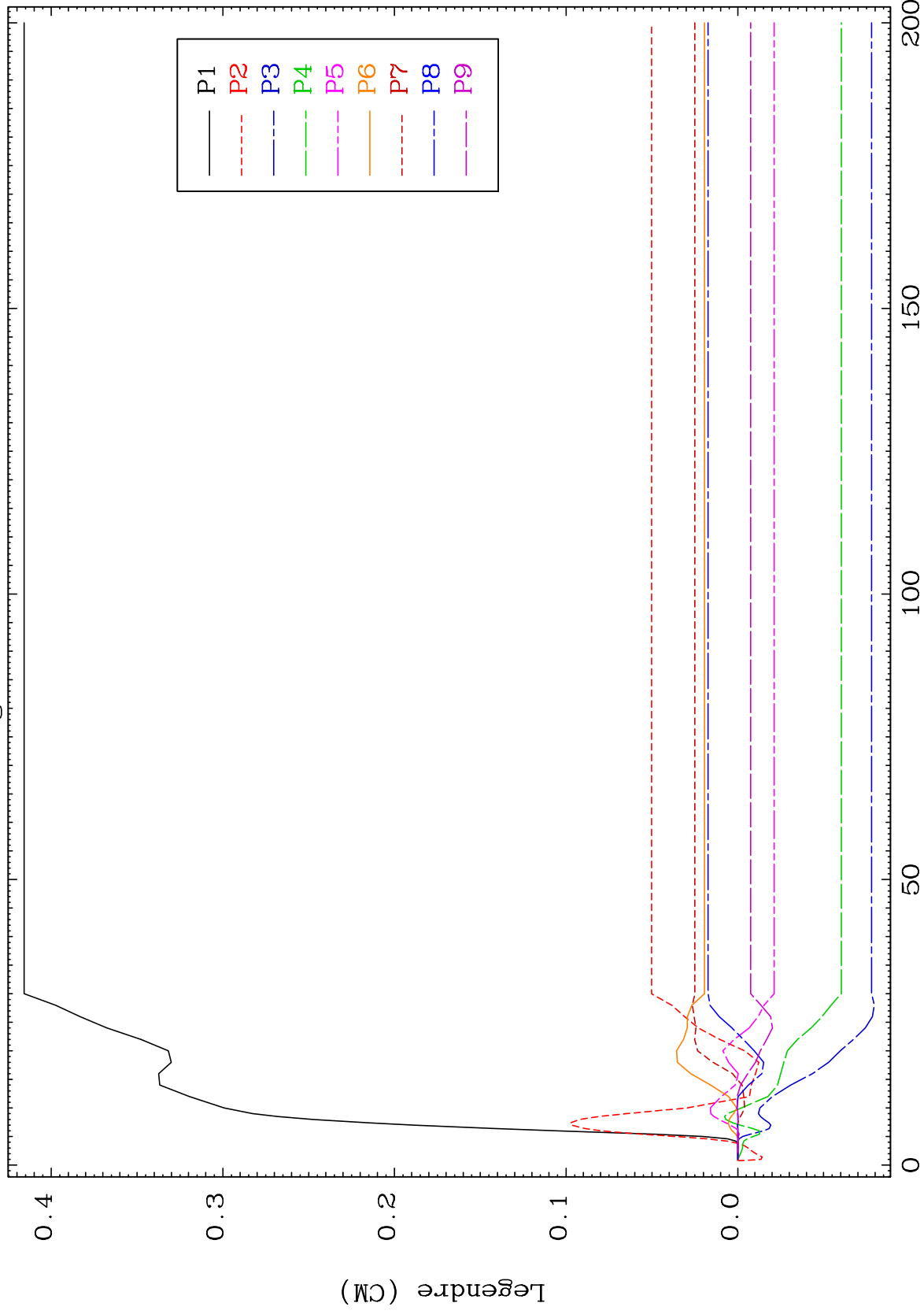
71-Lu-181



MAT 7143

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

71-Lu-181



116

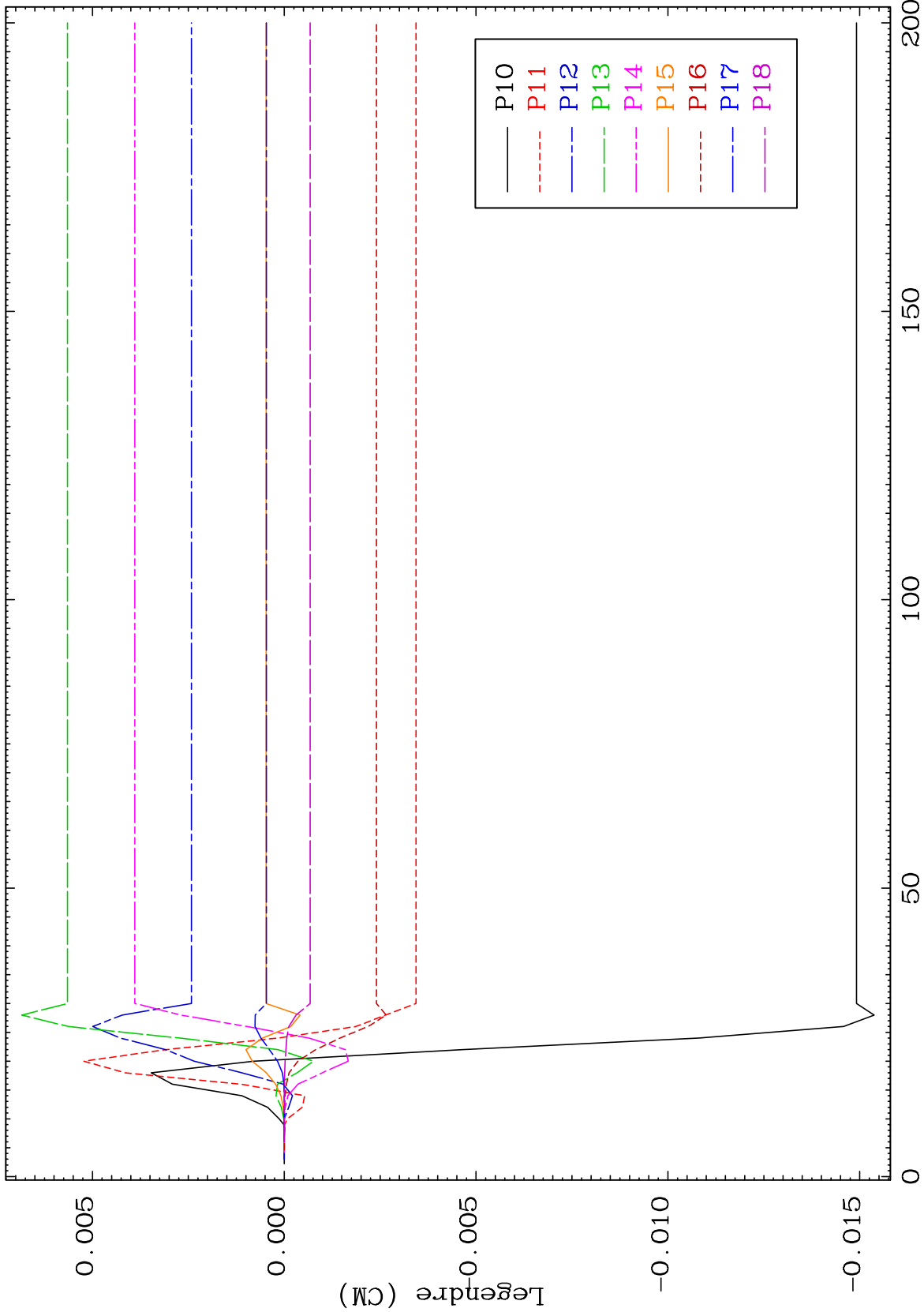
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



117

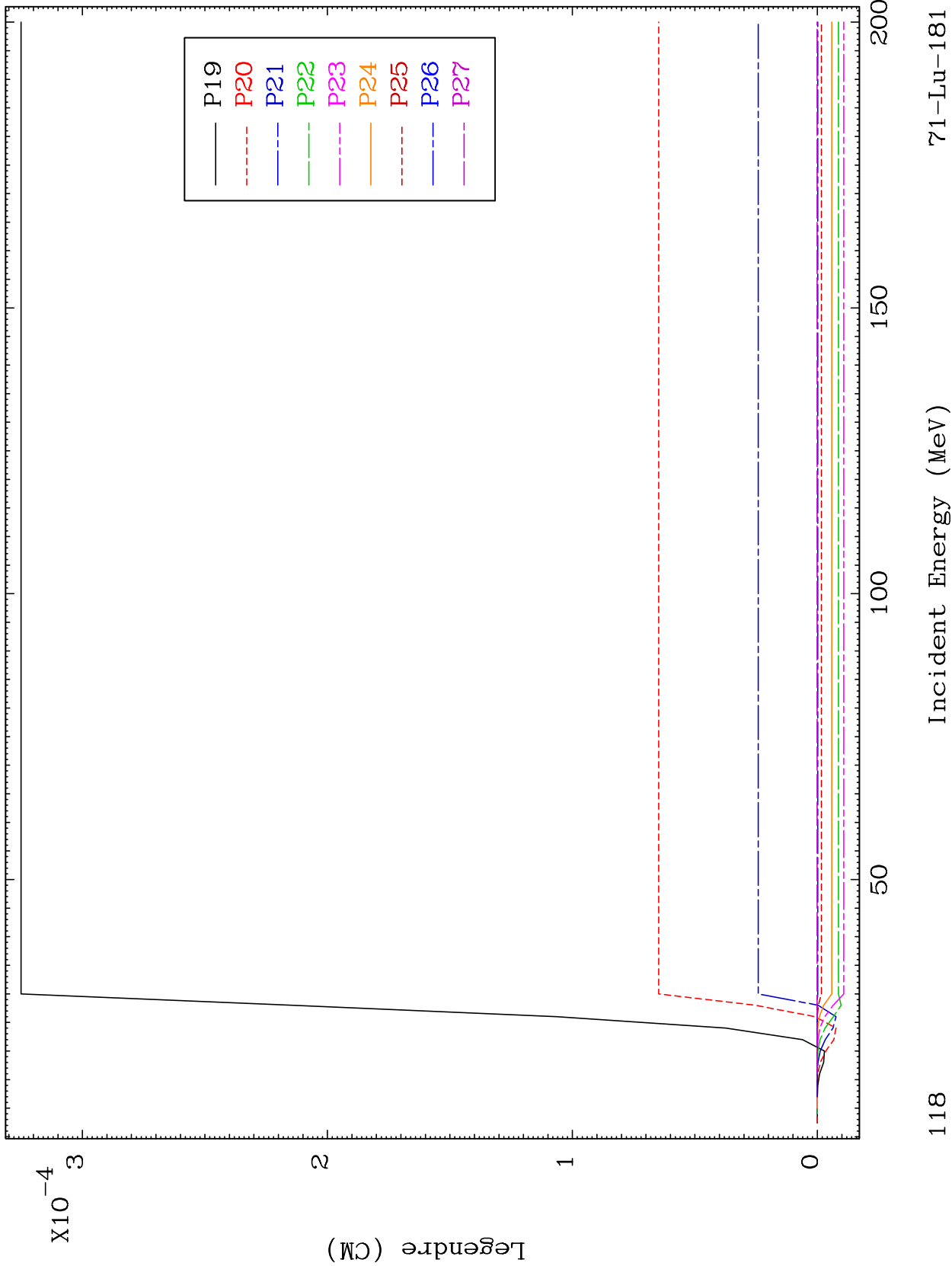
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



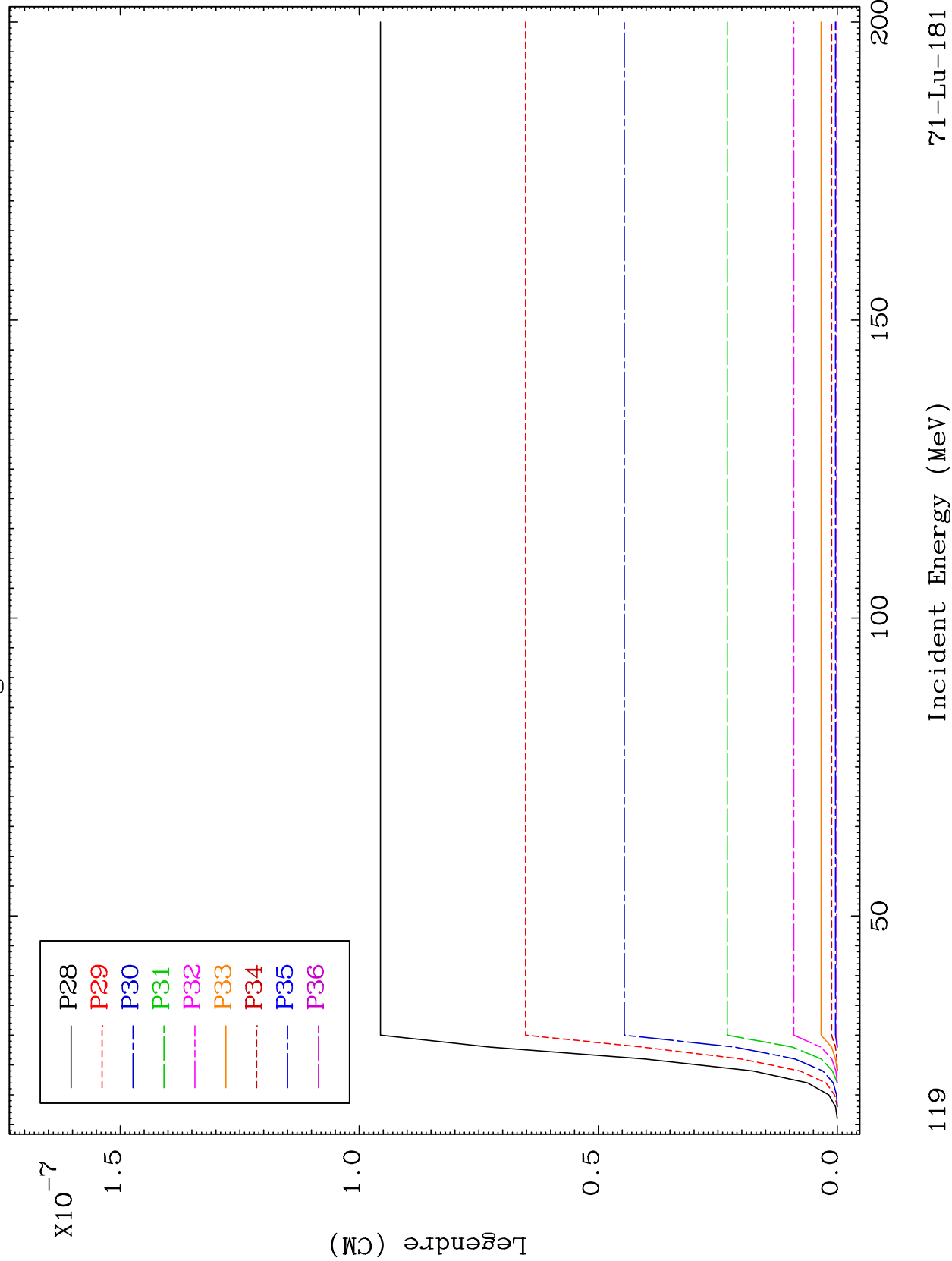
118

71-Lu-181

MAT 7143

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

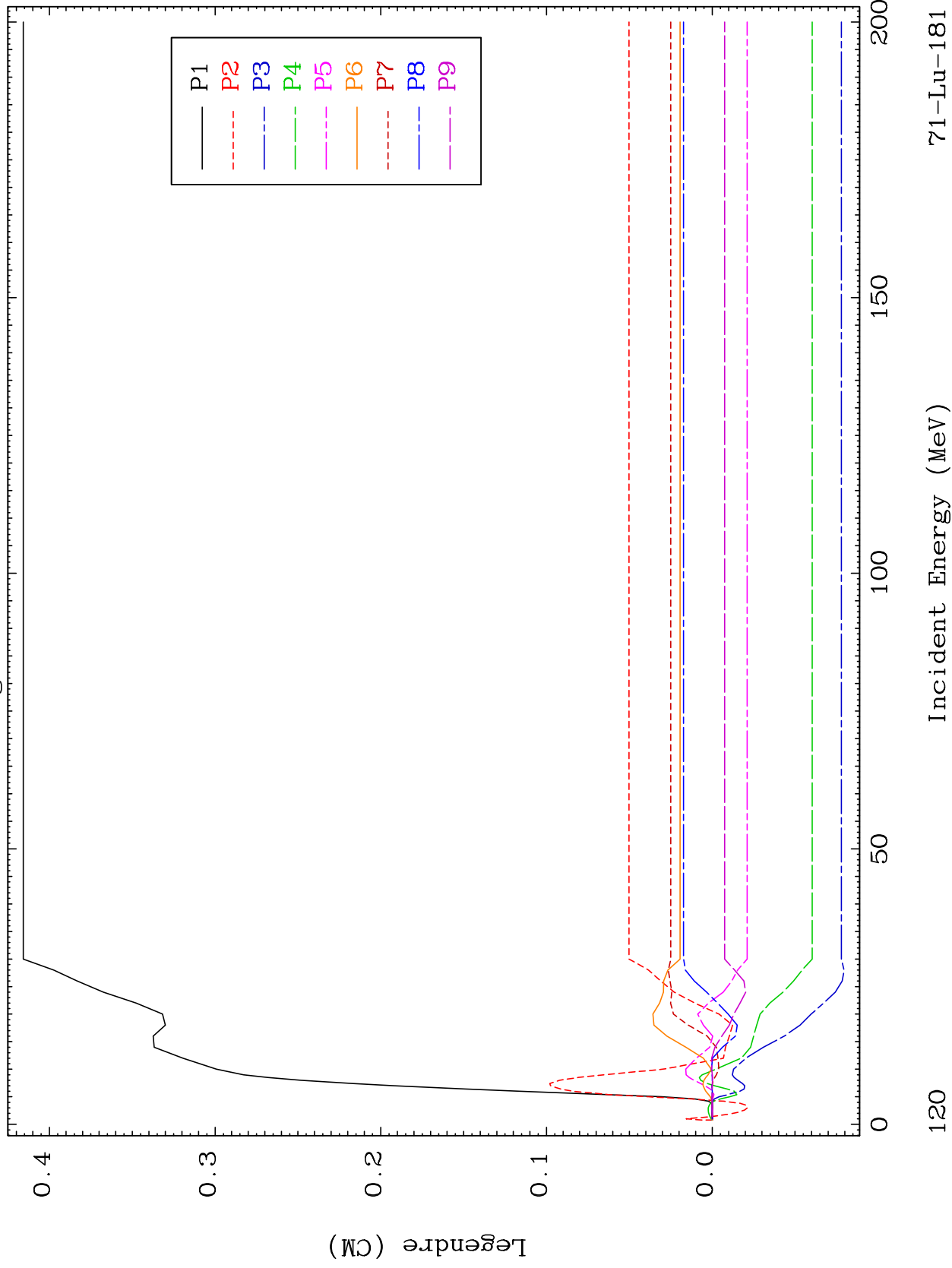
71-Lu-181



MAT 7143

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

71-Lu-181



71-Lu-181

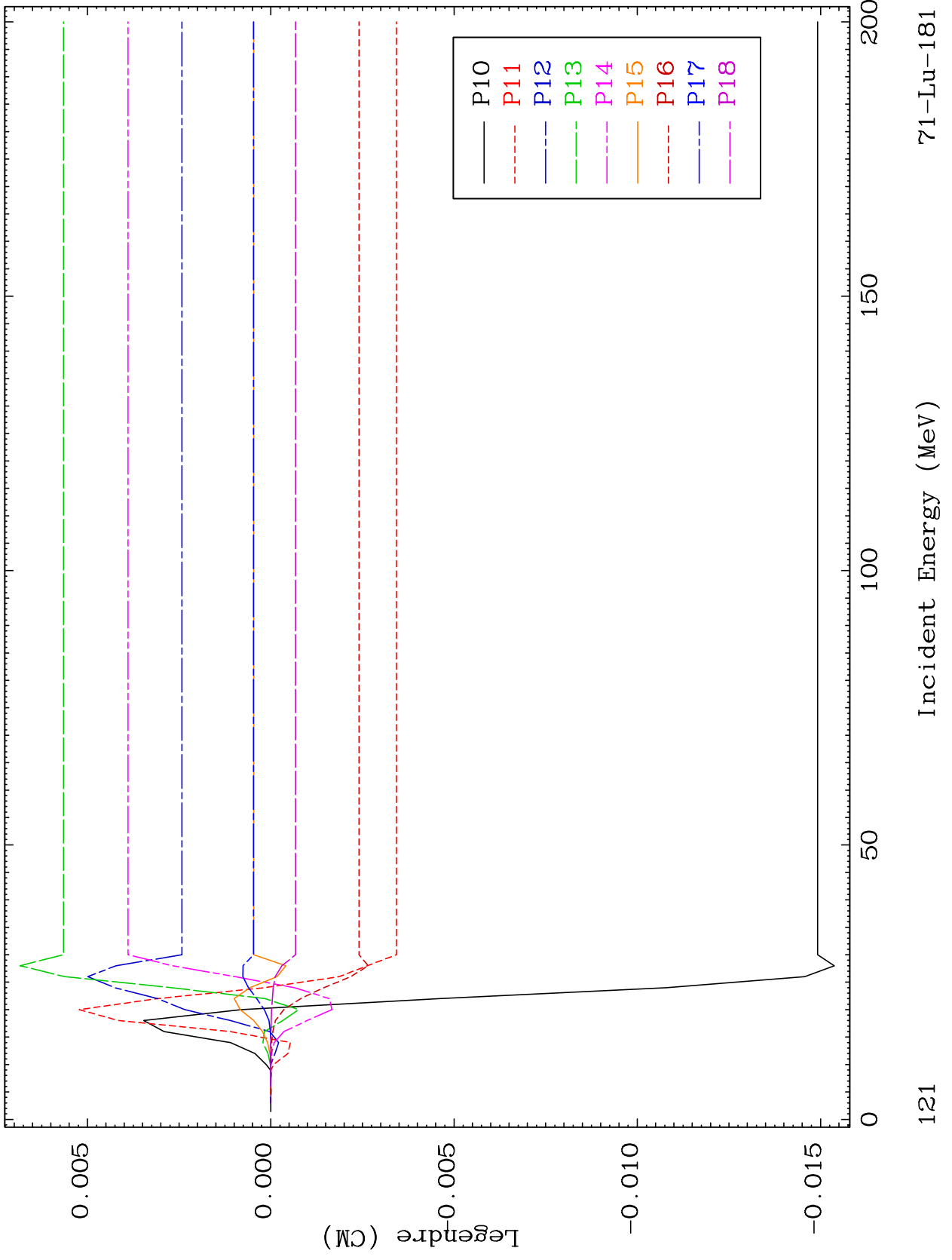
Incident Energy (MeV)

120

MAT 7143

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

71-Lu-181



121

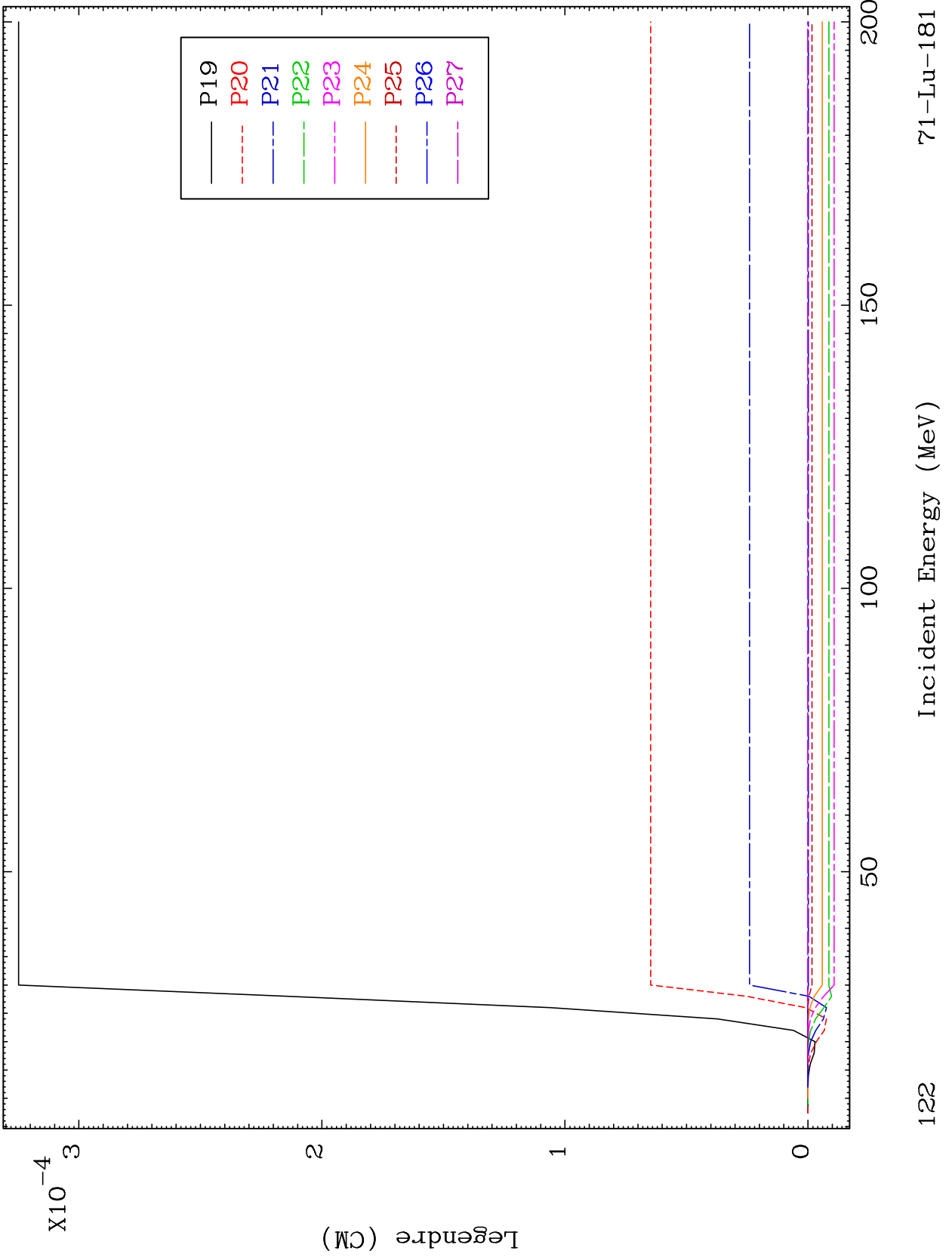
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



122

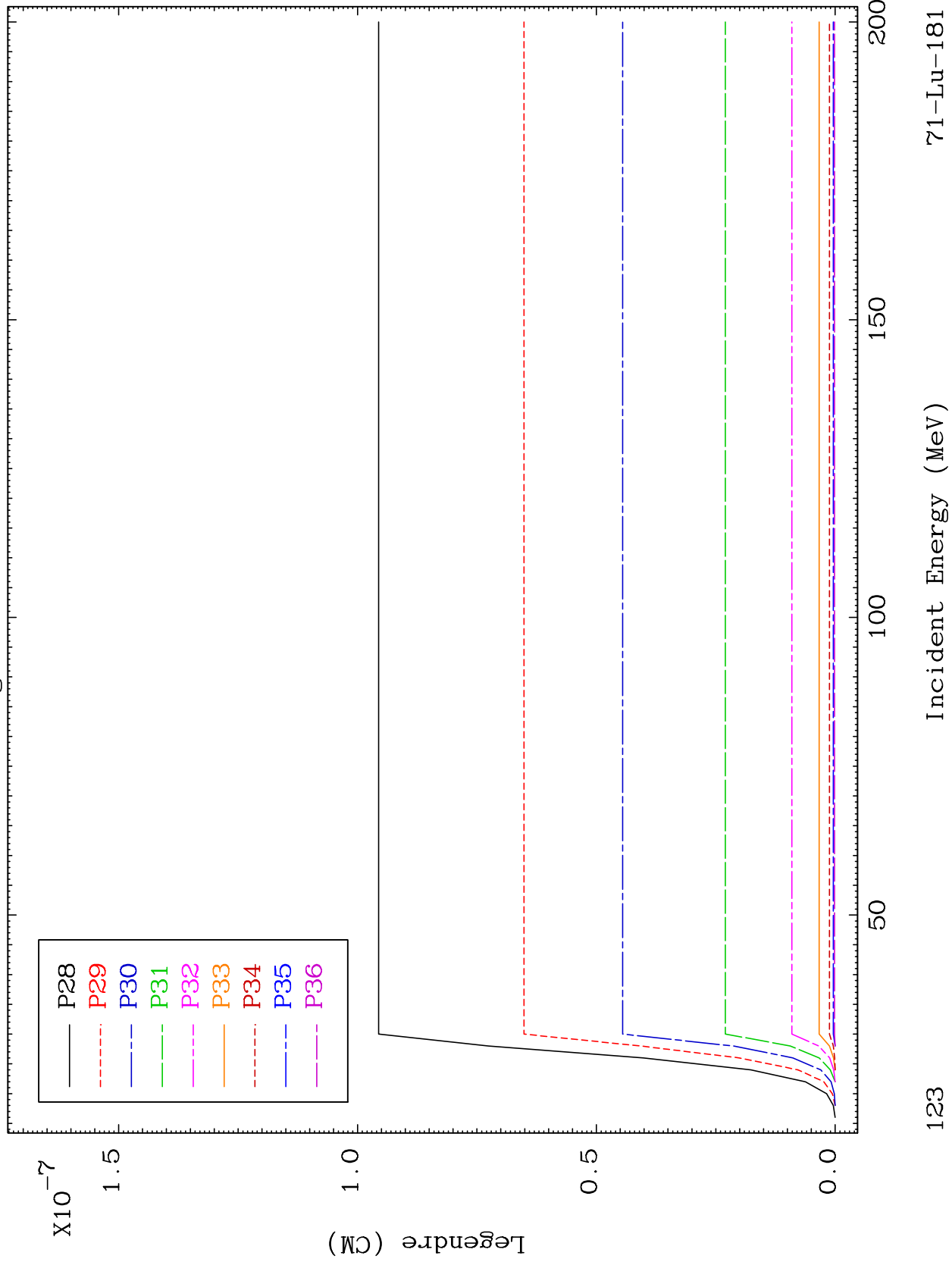
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181

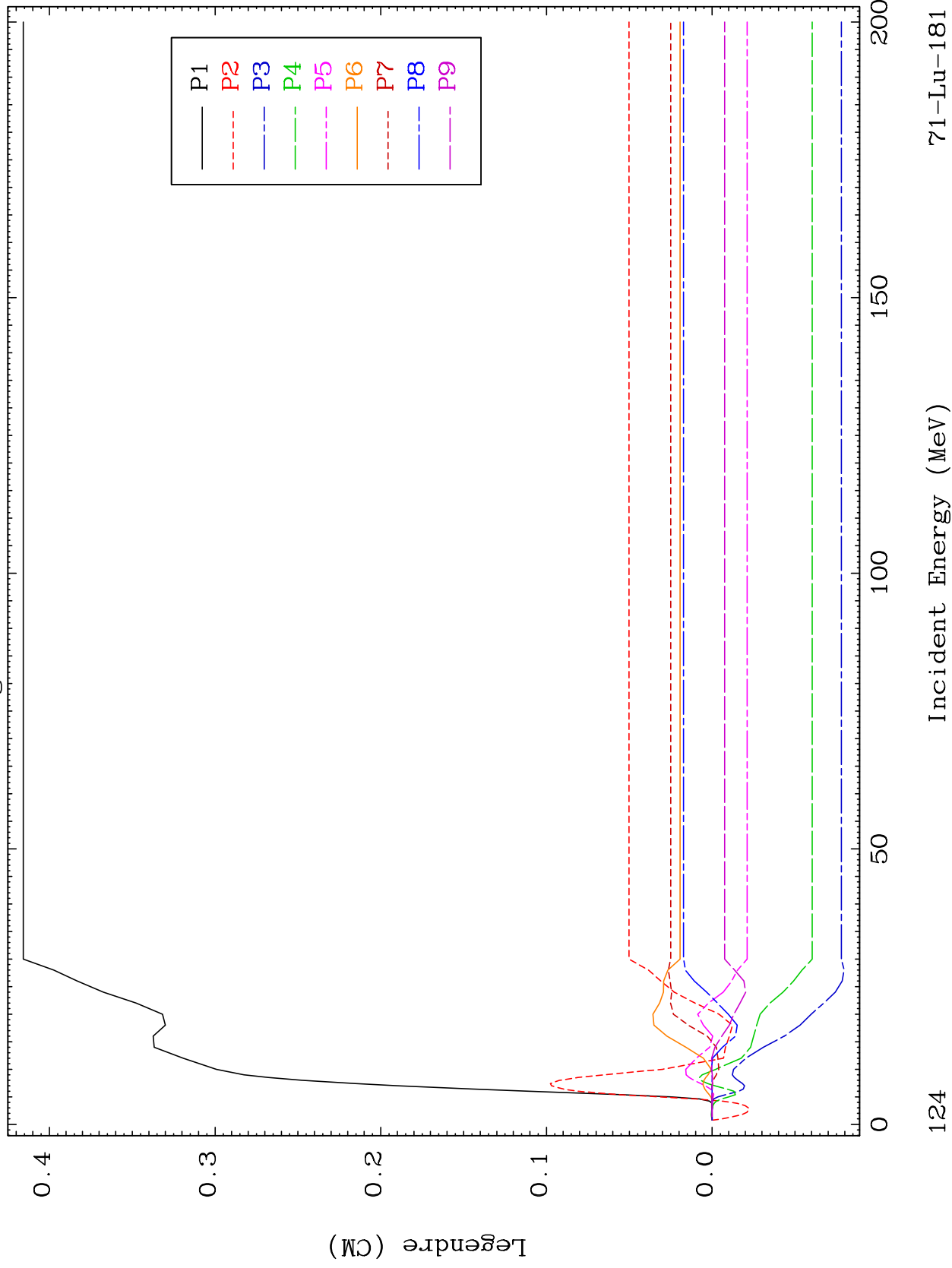


123

MAT 7143

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

71-Lu-181



71-Lu-181

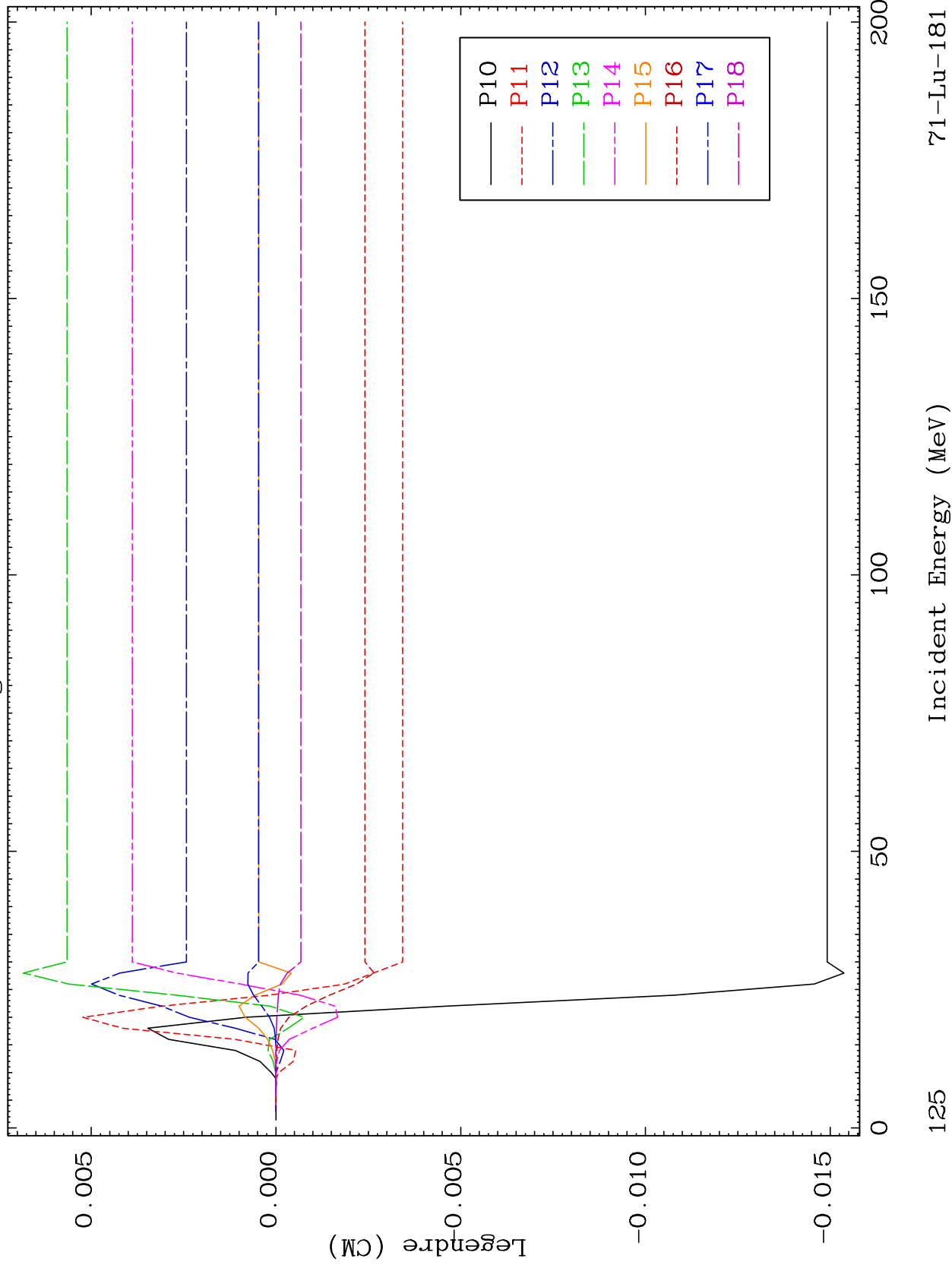
Incident Energy (MeV)

124

MAT 7143

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

71-Lu-181



71-Lu-181

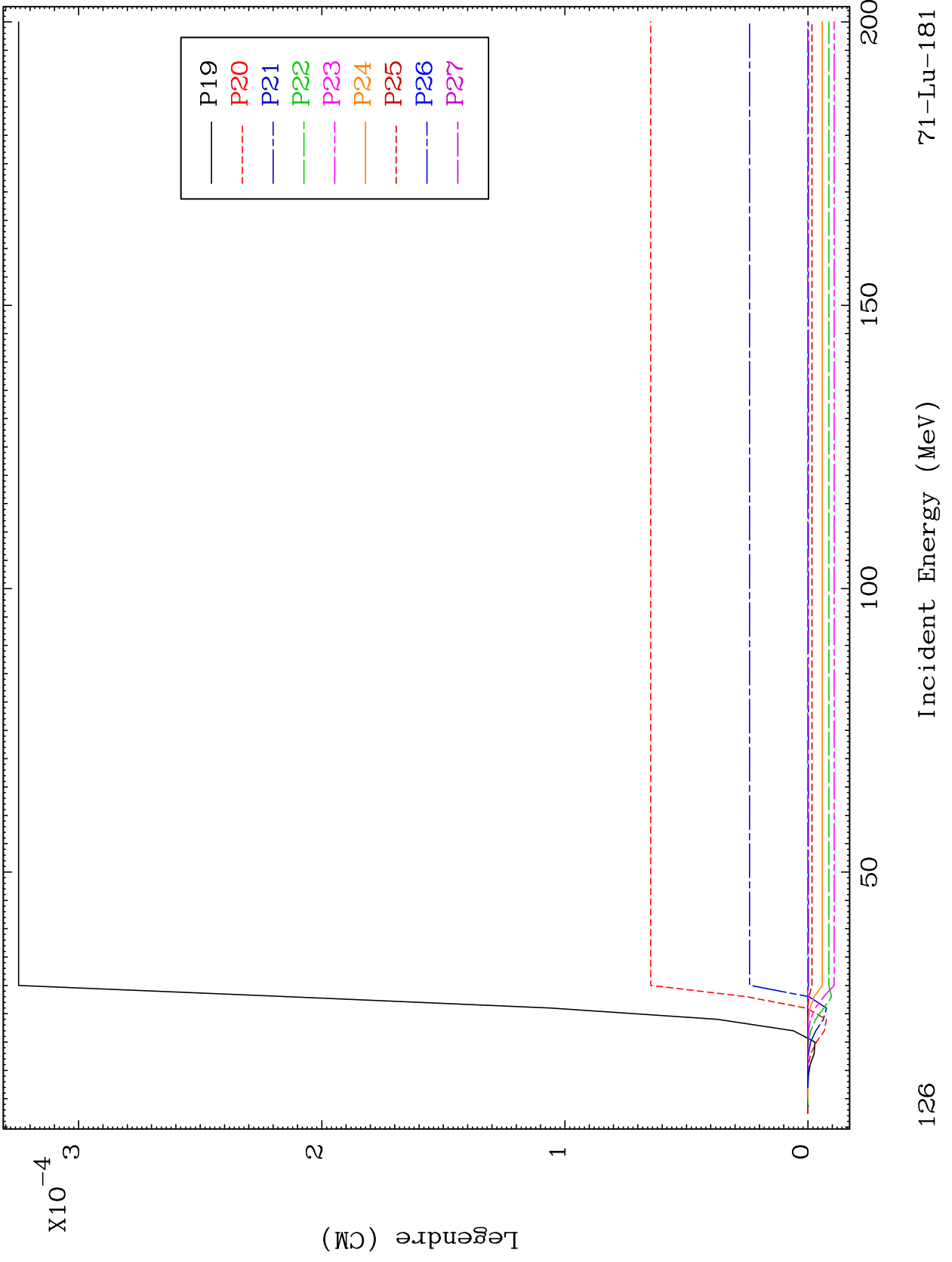
Incident Energy (MeV)

125

MAT 7143

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

71-Lu-181



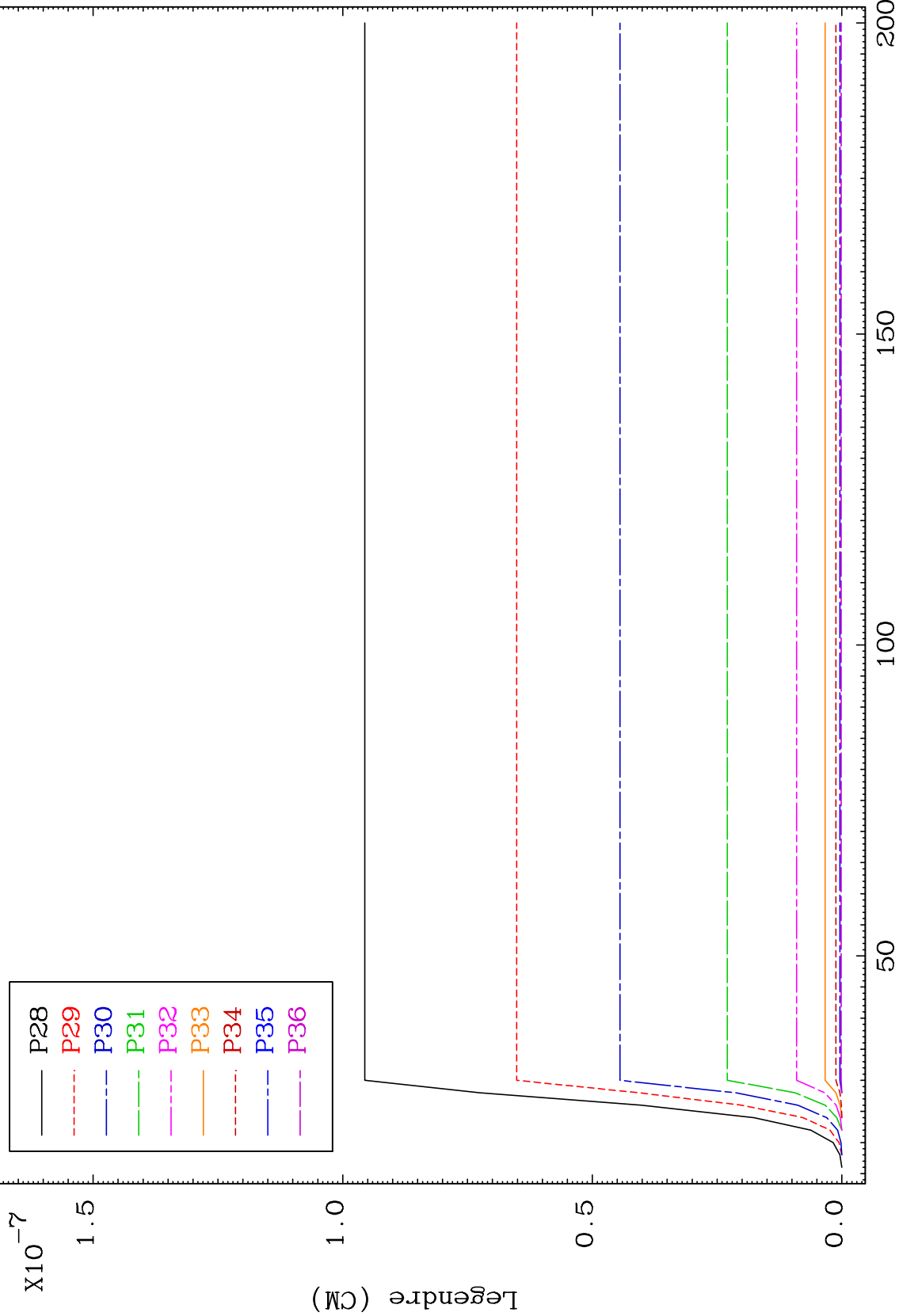
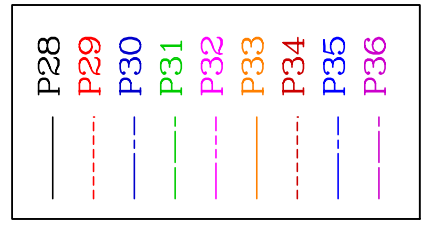
126

71-Lu-181

MAT 7143

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

71-Lu-181



127

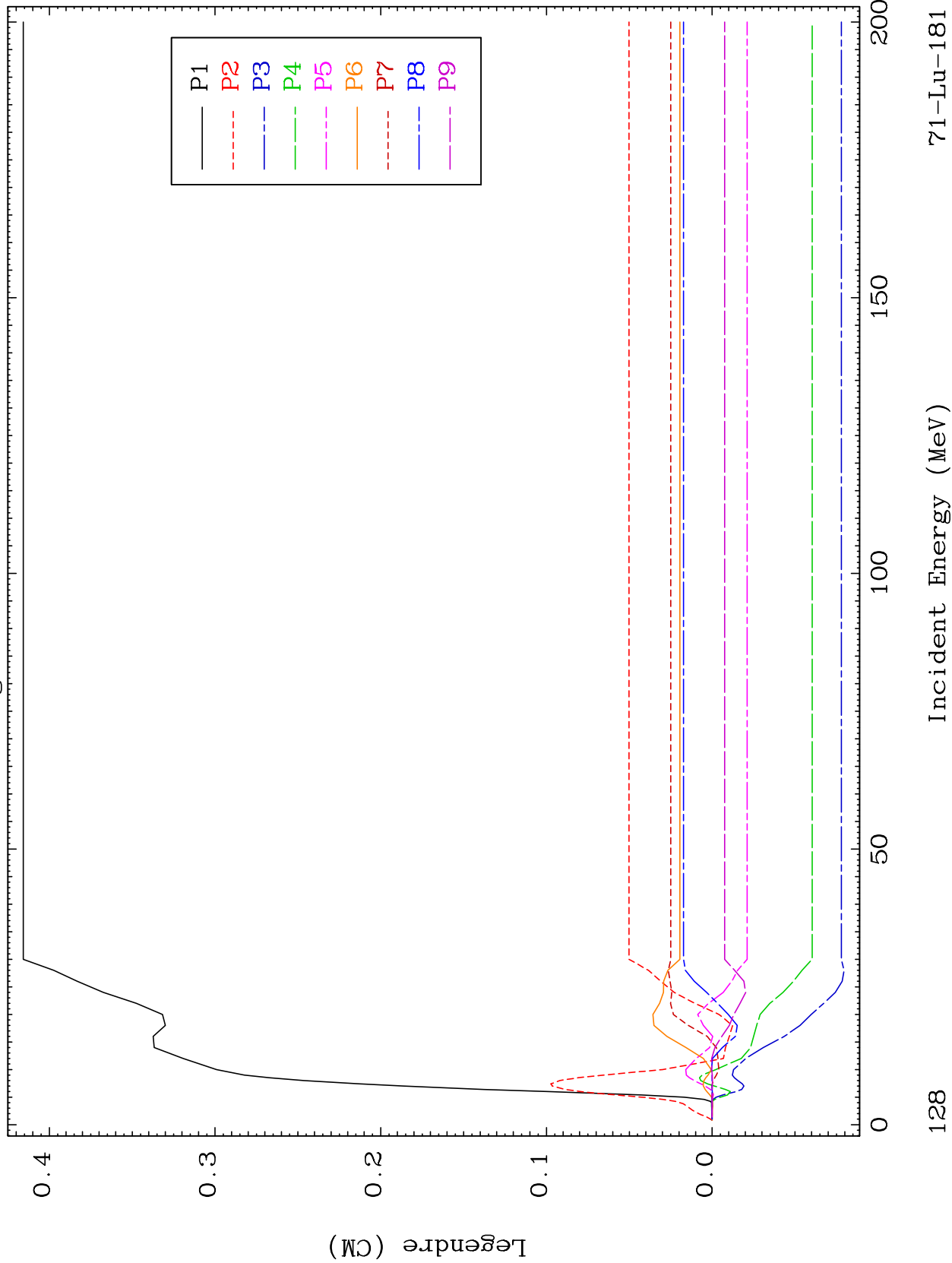
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

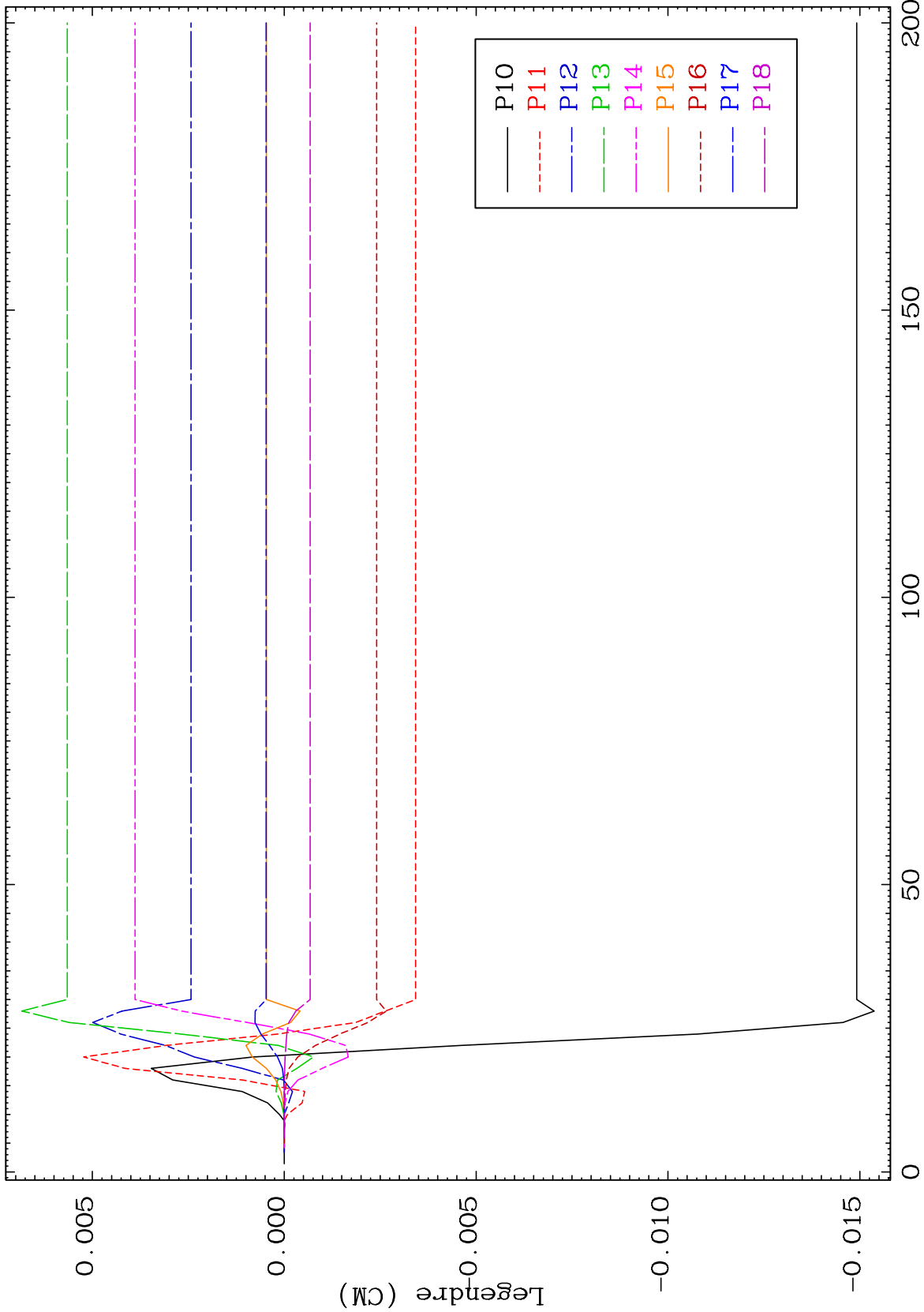
71-Lu-181



MAT 7143

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

71-Lu-181



129

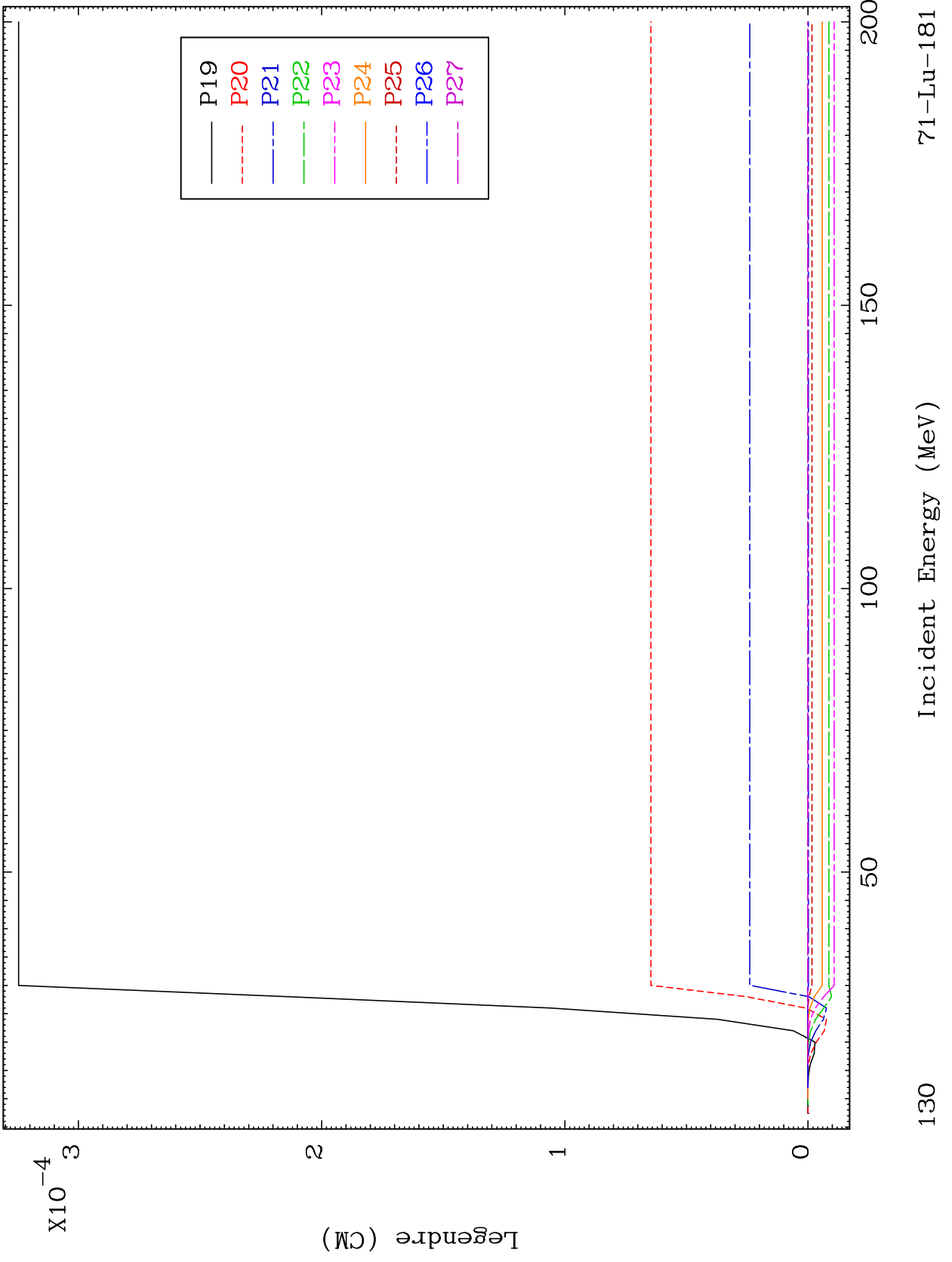
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

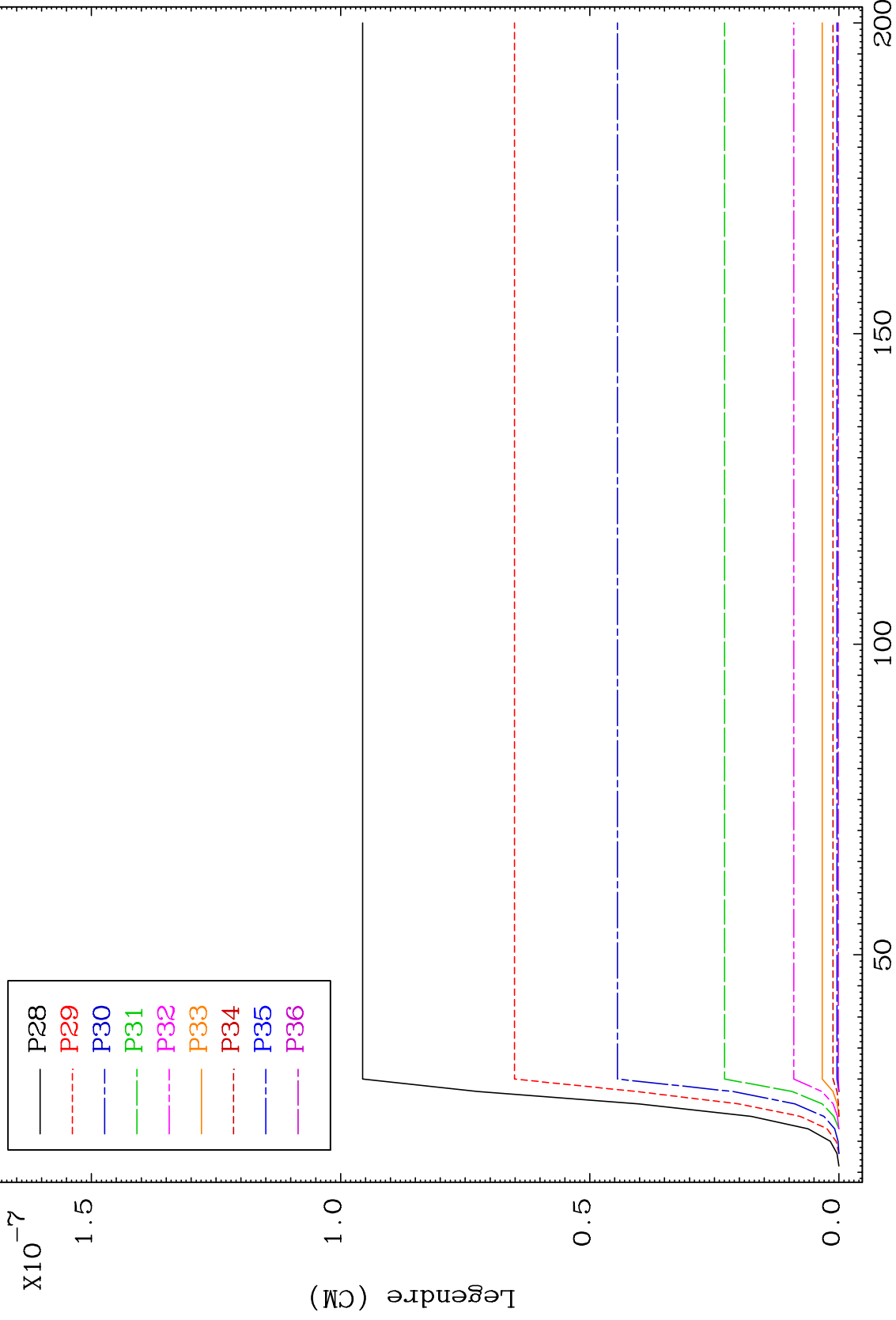
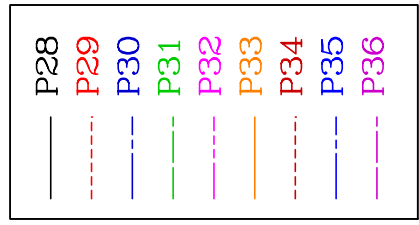
71-Lu-181



MAT 7143

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

71-Lu-181



131

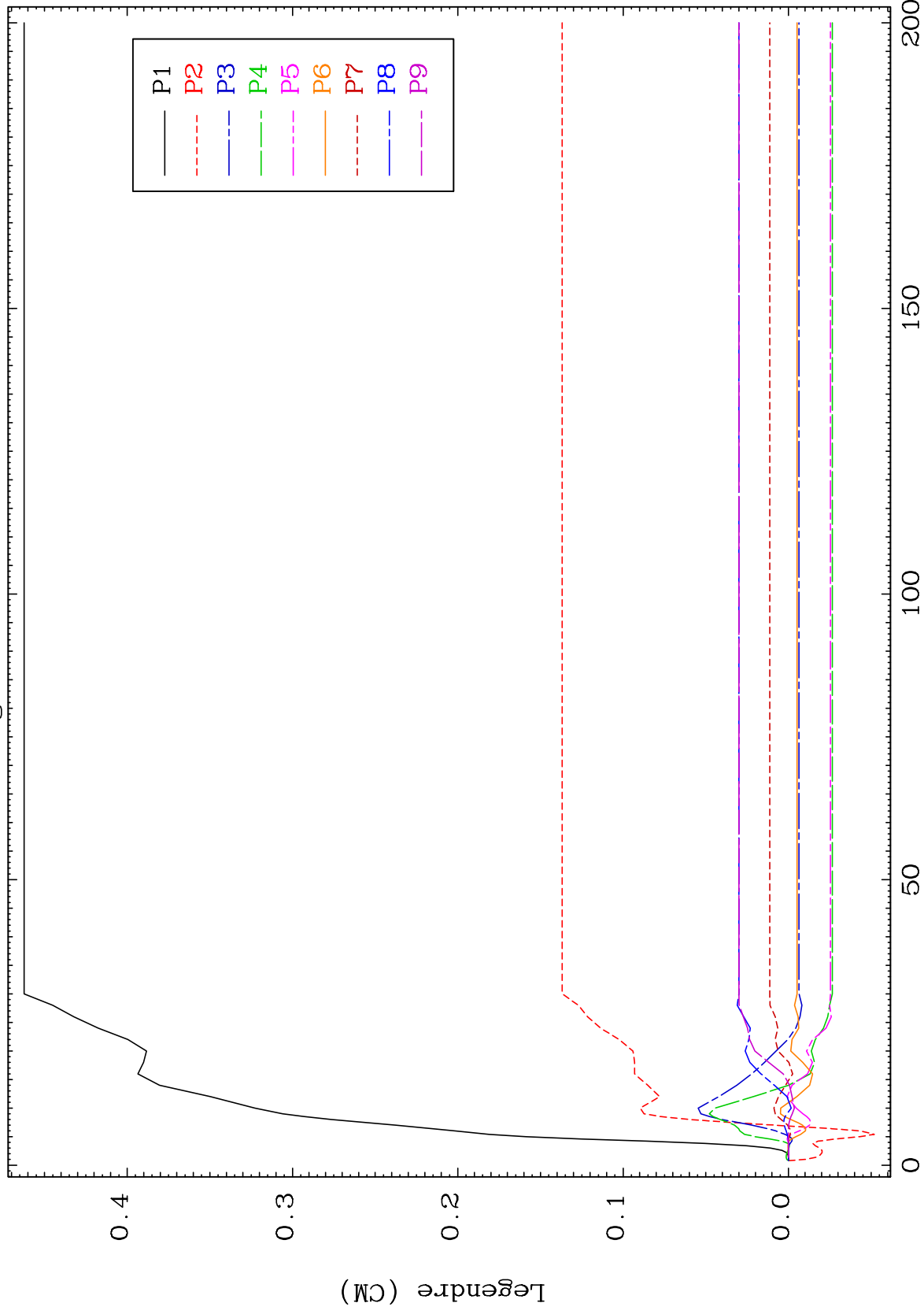
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



132

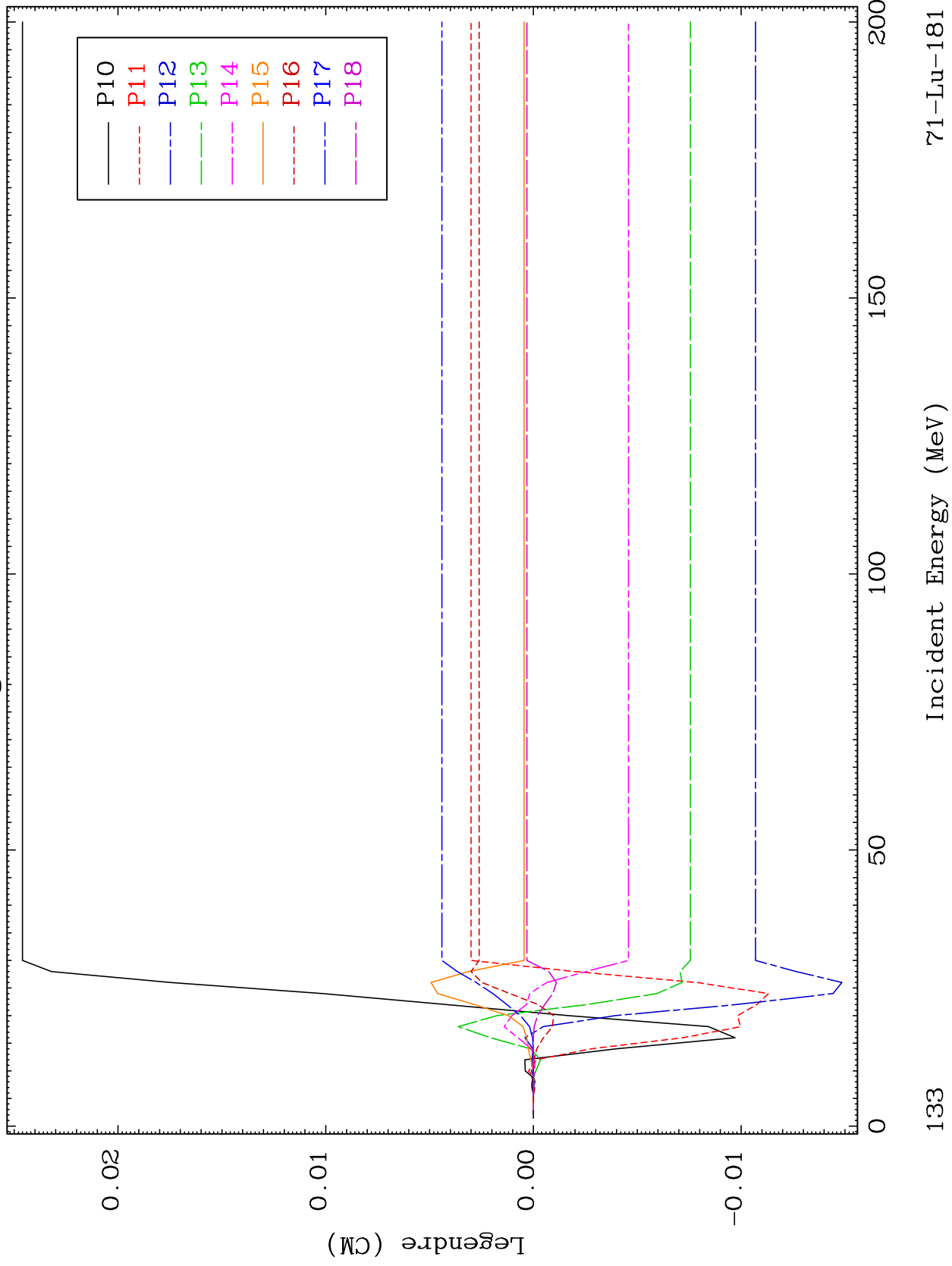
Incident Energy (MeV)

71-Lu-181

MAT 7143

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

71-Lu-181



71-Lu-181

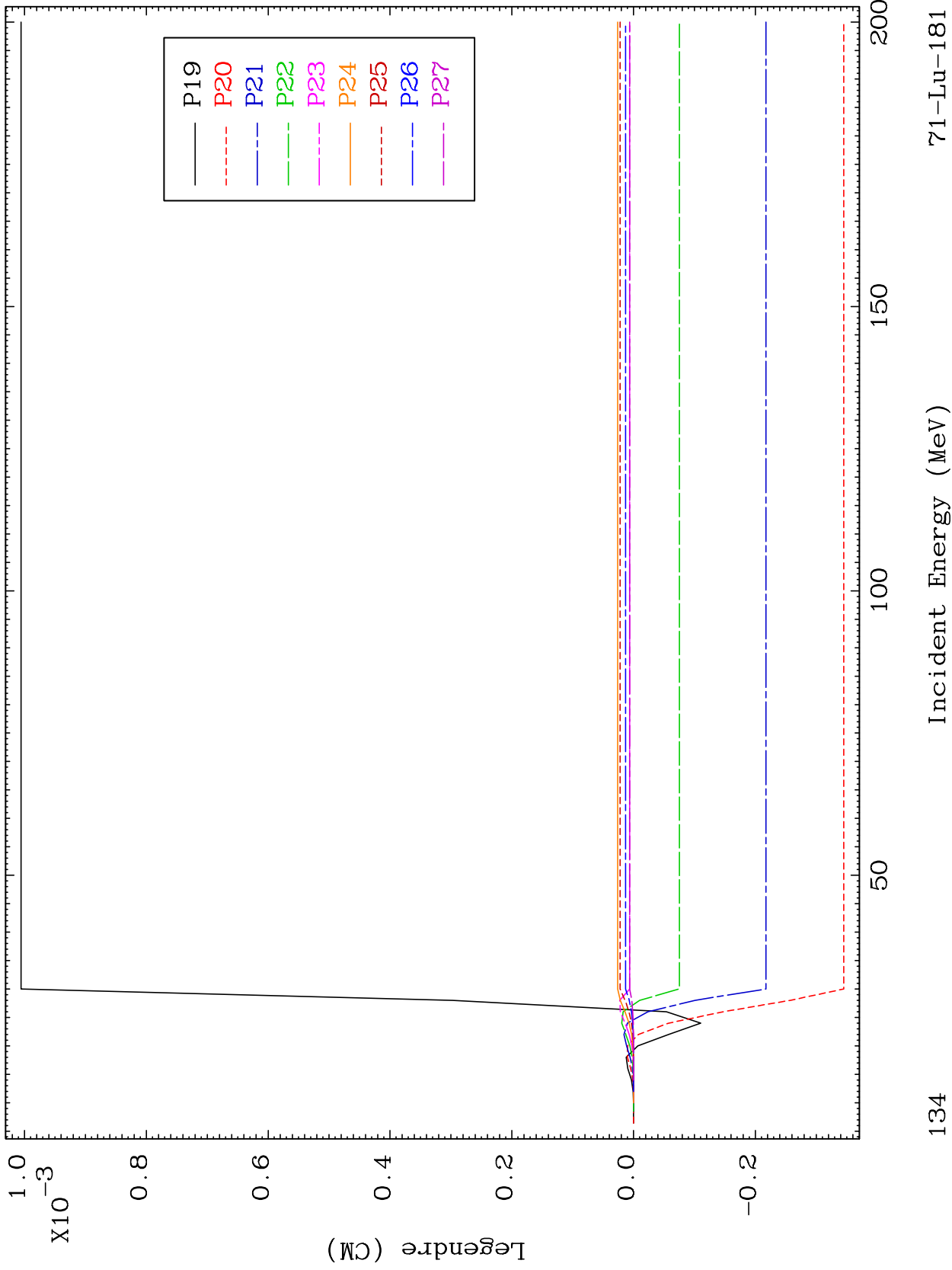
Incident Energy (MeV)

133

MAT 7143

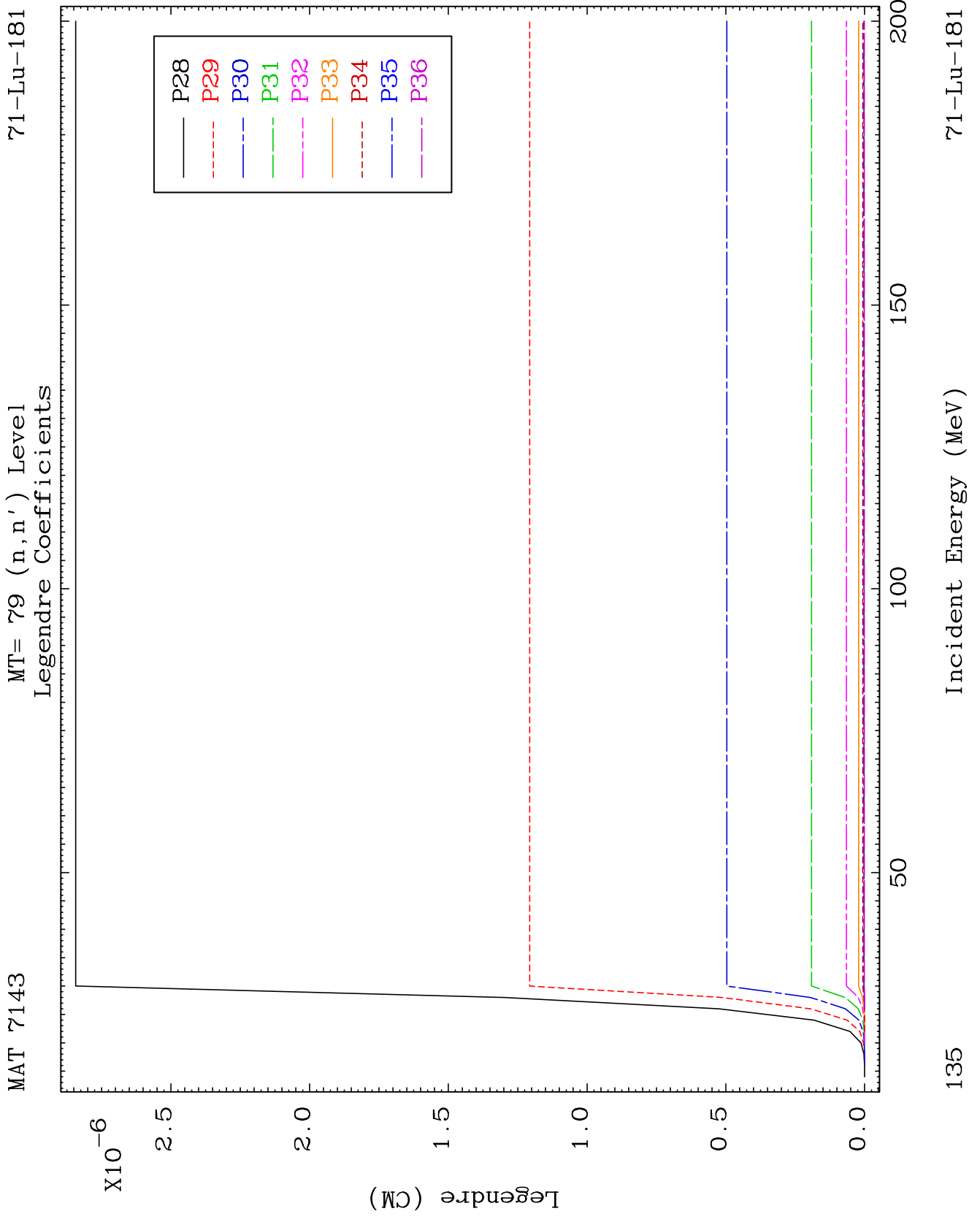
MT= 79 (n,n') Level
Legendre Coefficients

71-Lu-181



134

71-Lu-181

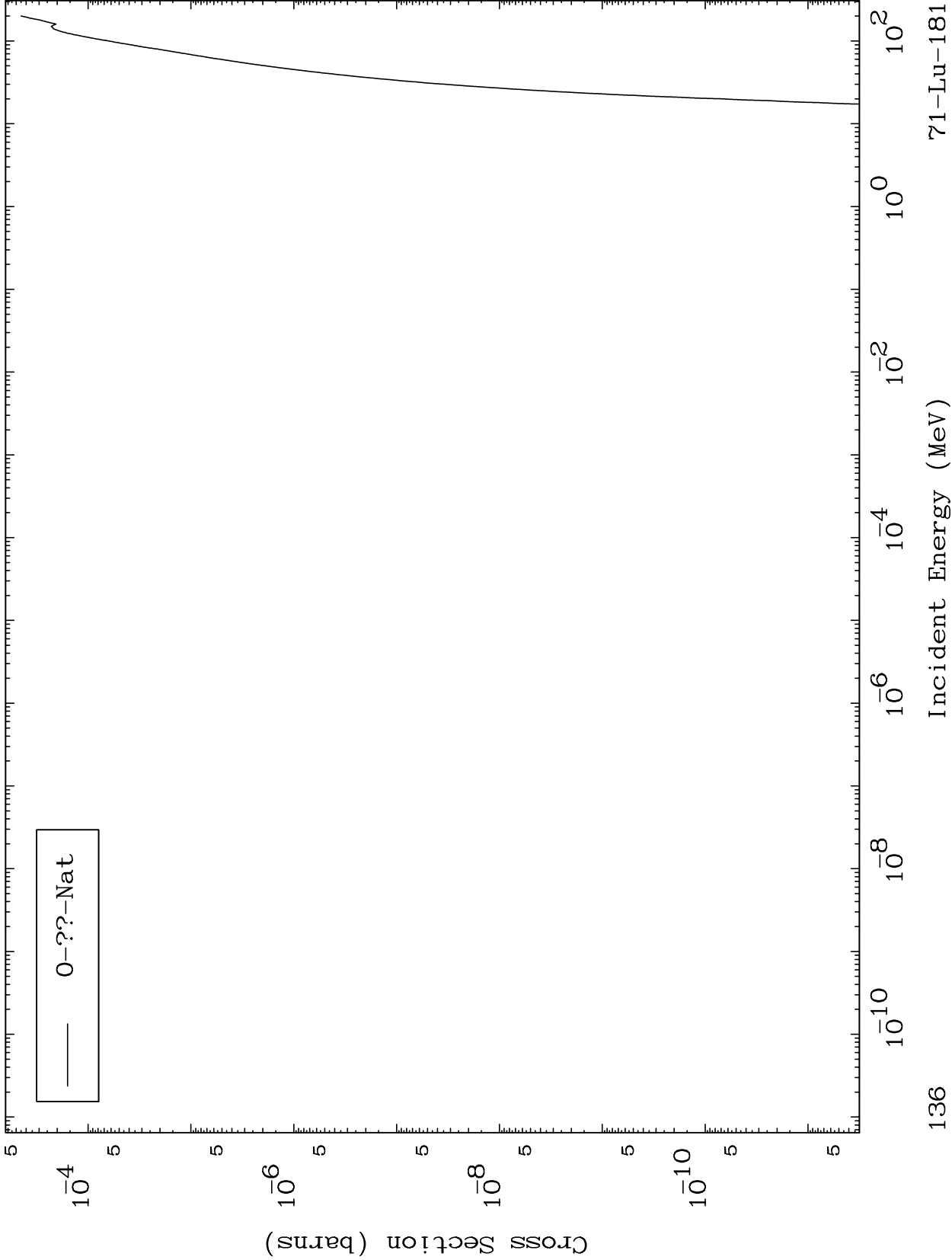


MAT 7143

Fission

71-Lu-181

Radionuclide Production Cross Section

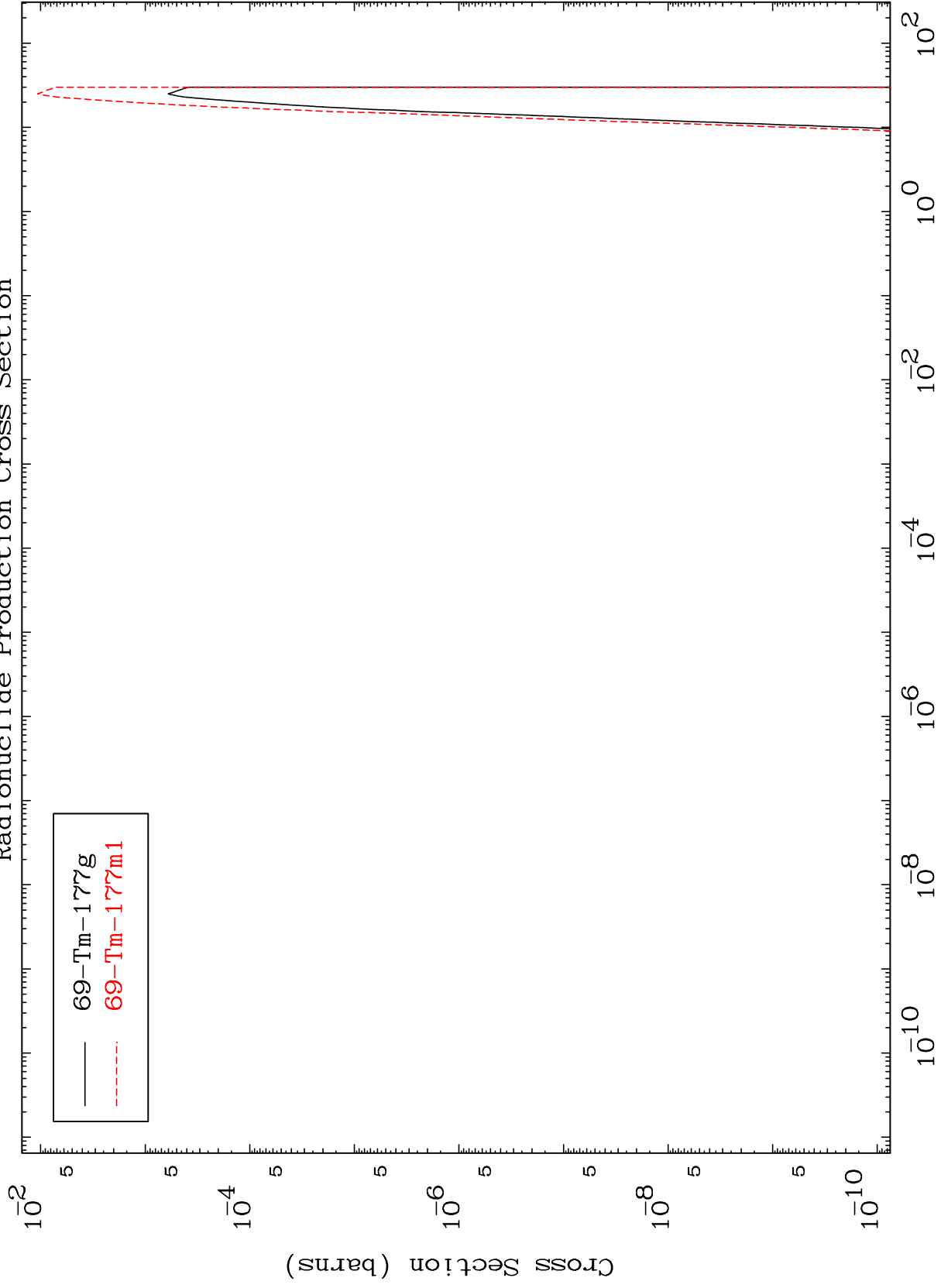


MAT 7143

$(n, n') \alpha$

$^{71}\text{Lu-181}$

Radionuclide Production Cross Section



137

Incident Energy (MeV)

$^{71}\text{Lu-181}$

