

Program EVALPLOT
(Version 2021-1)

by

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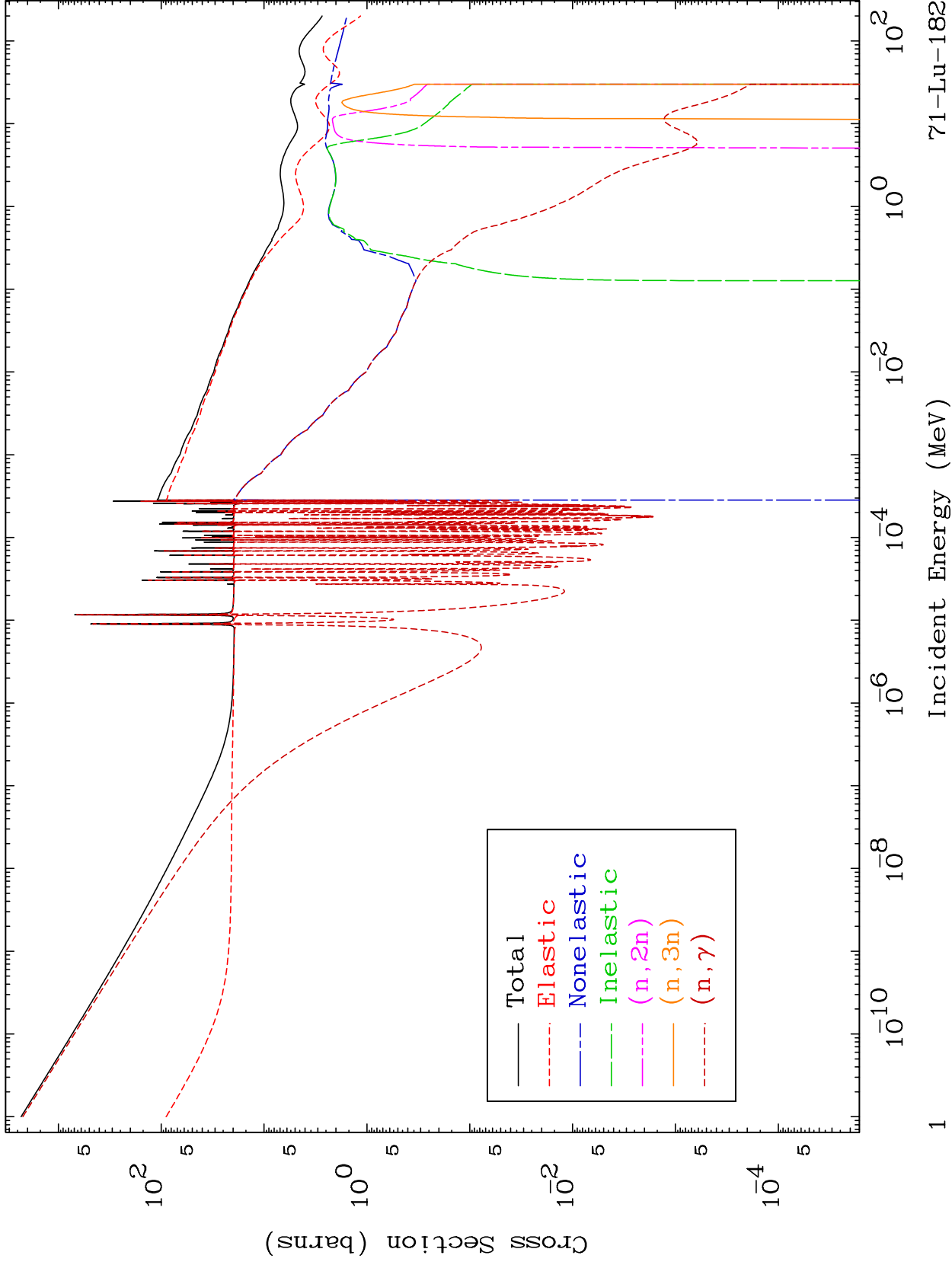
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Press Mouse Button to Start

MAT 7146

Neutron Major
293 Kelvin Cross Sections

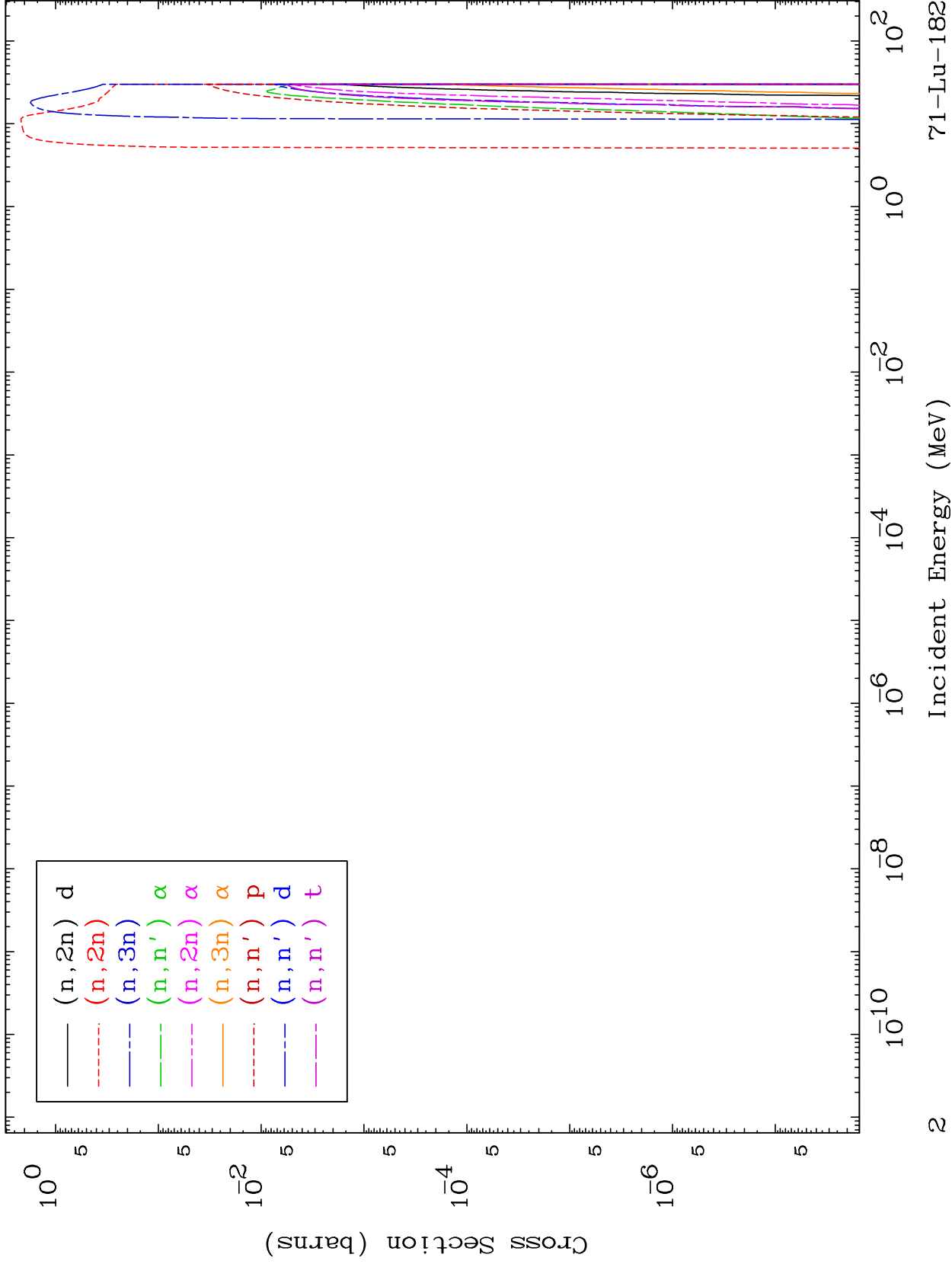
71-Lu-182



MAT 7146

Neutron Absorption
293 Kelvin Cross Sections

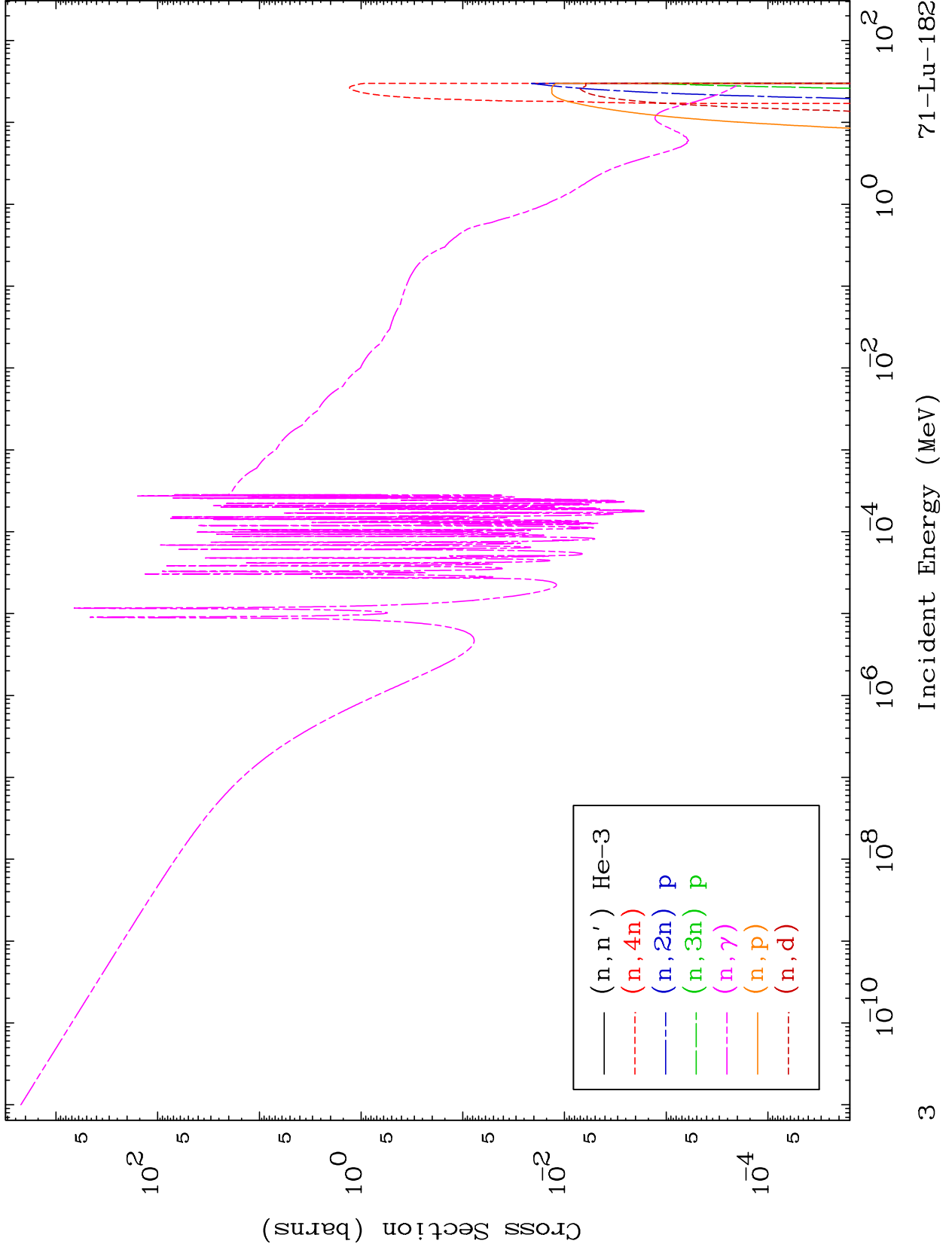
71-Lu-182

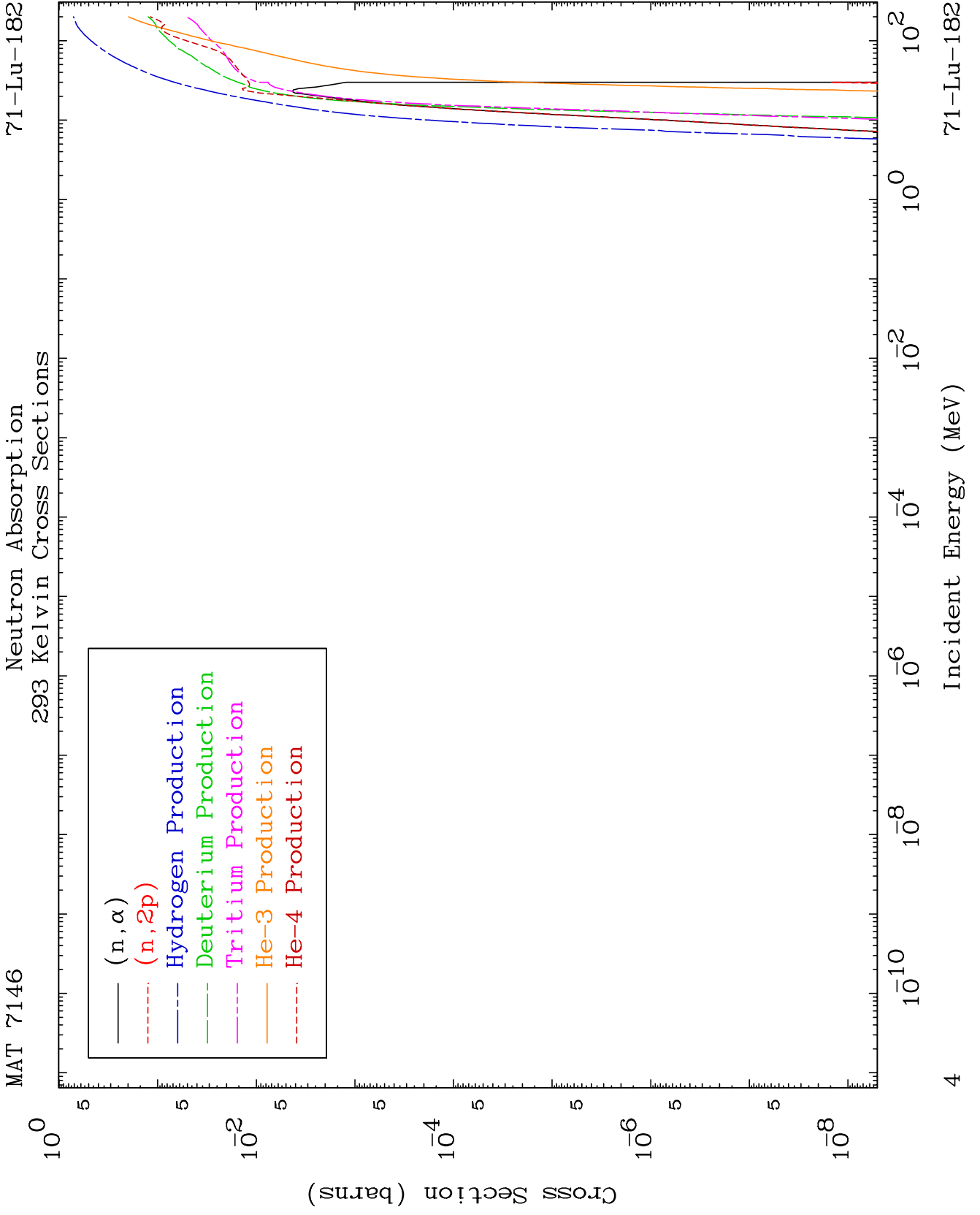


MAT 7146

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-182

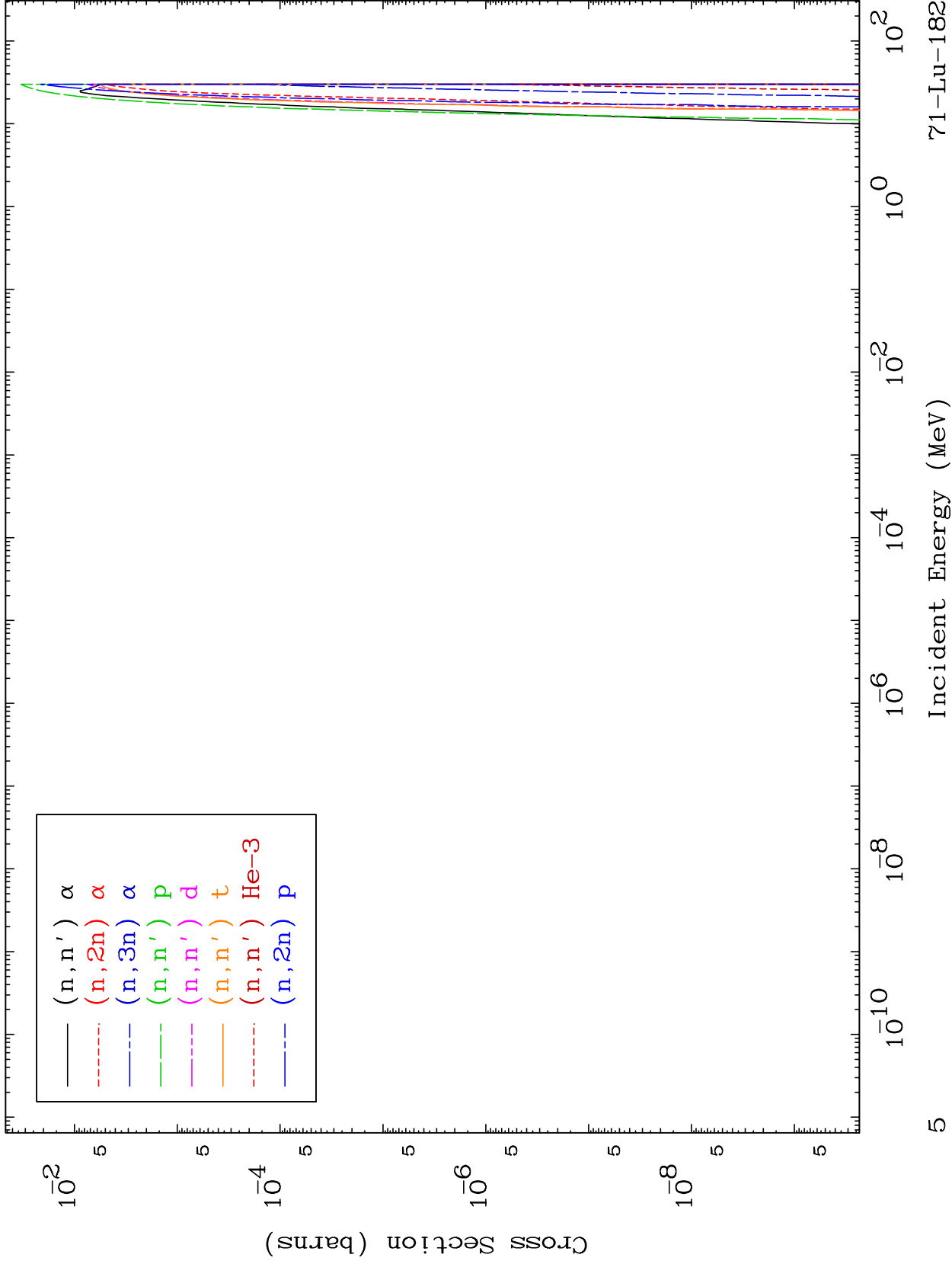




MAT 7146

Charged Particle
293 Kelvin Cross Sections

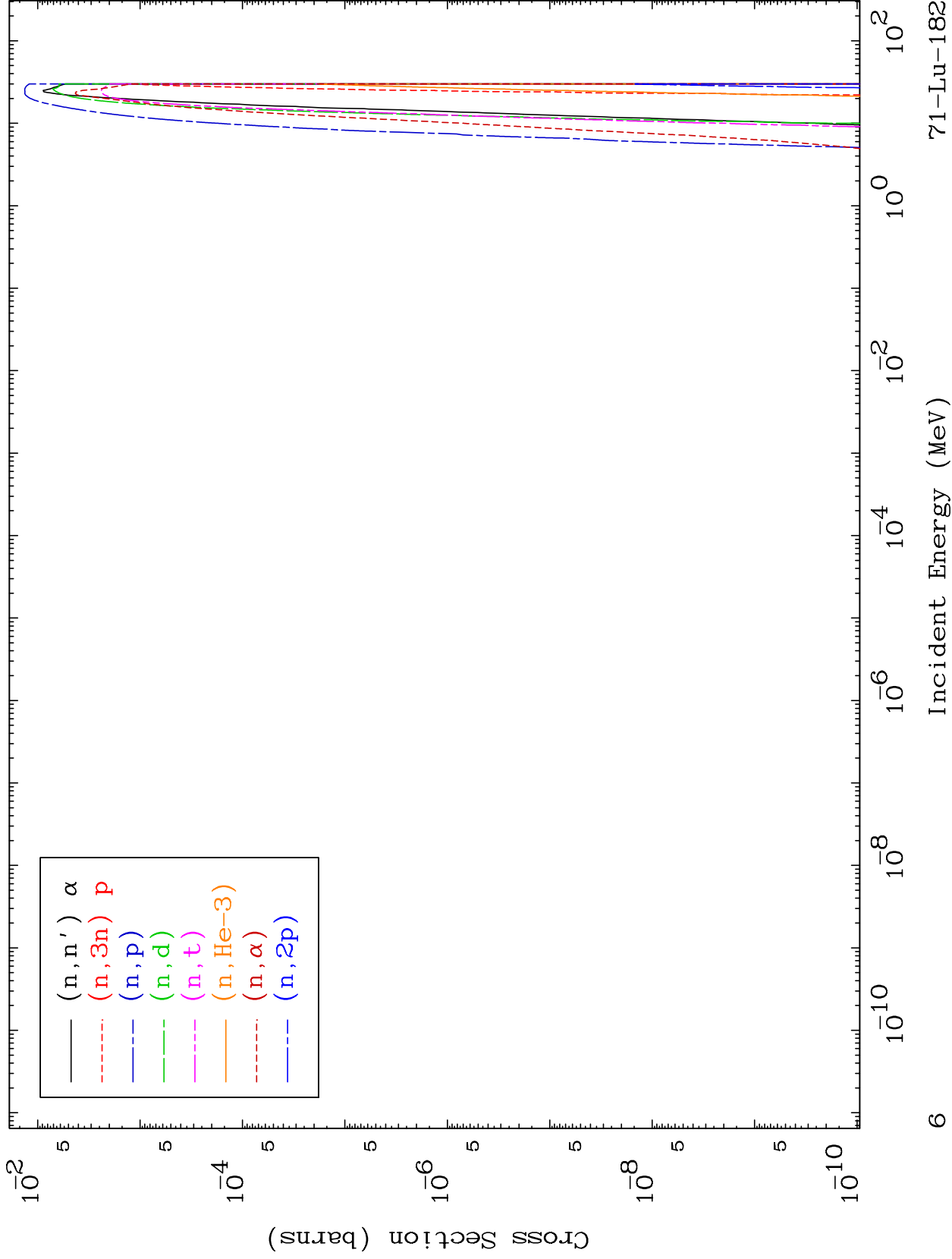
71-Lu-182



MAT 7146

Charged Particle
293 Kelvin Cross Sections

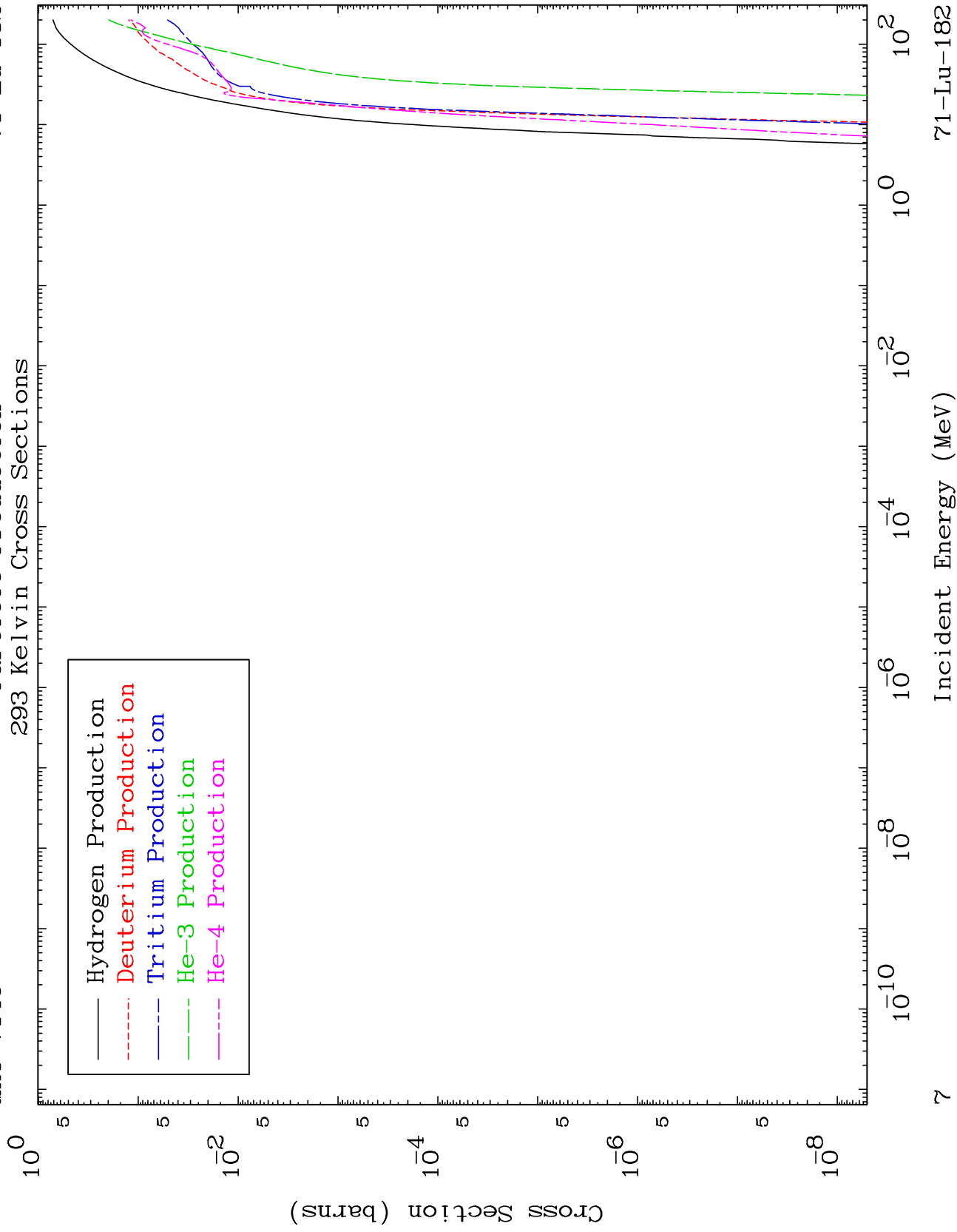
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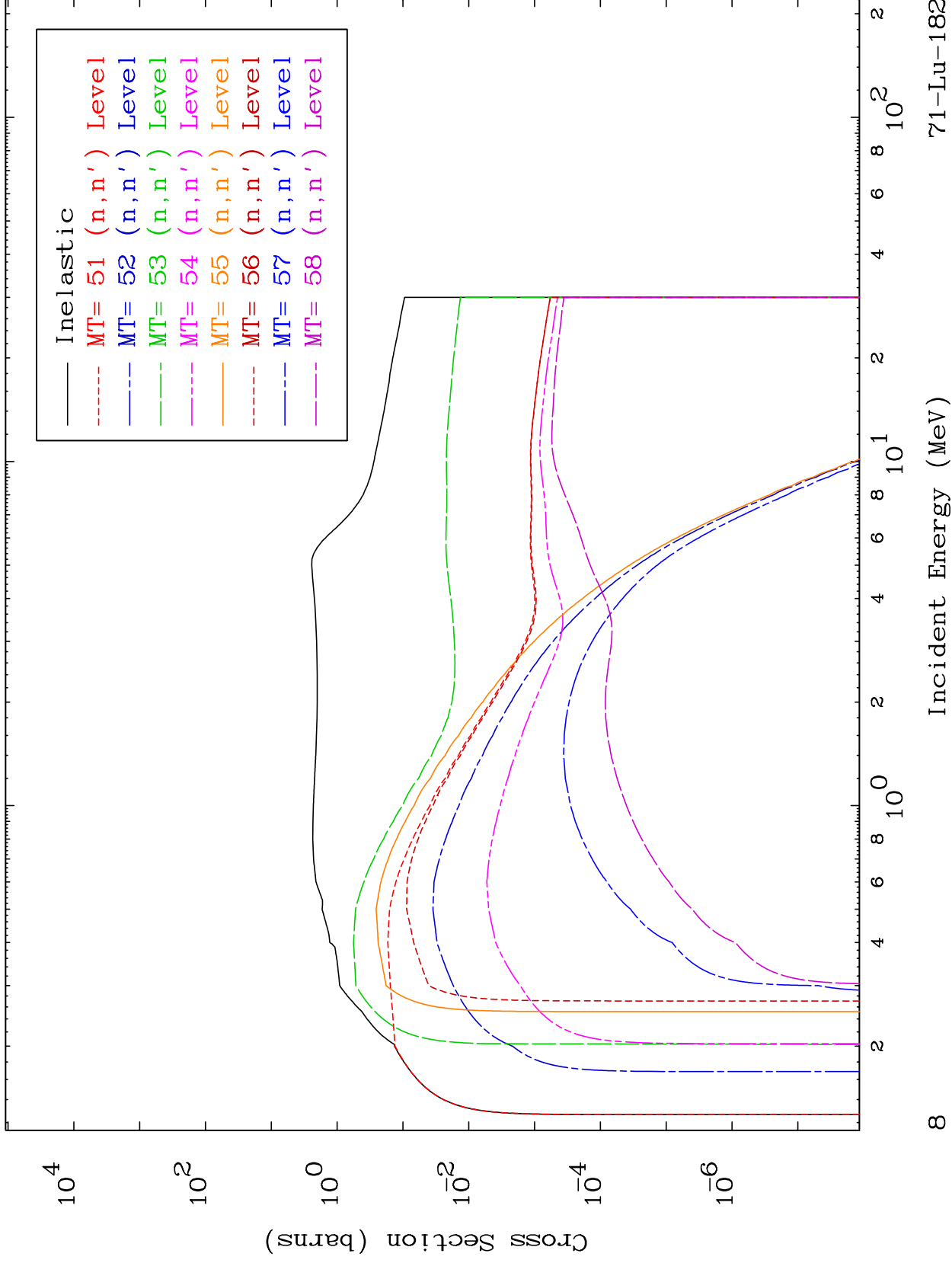


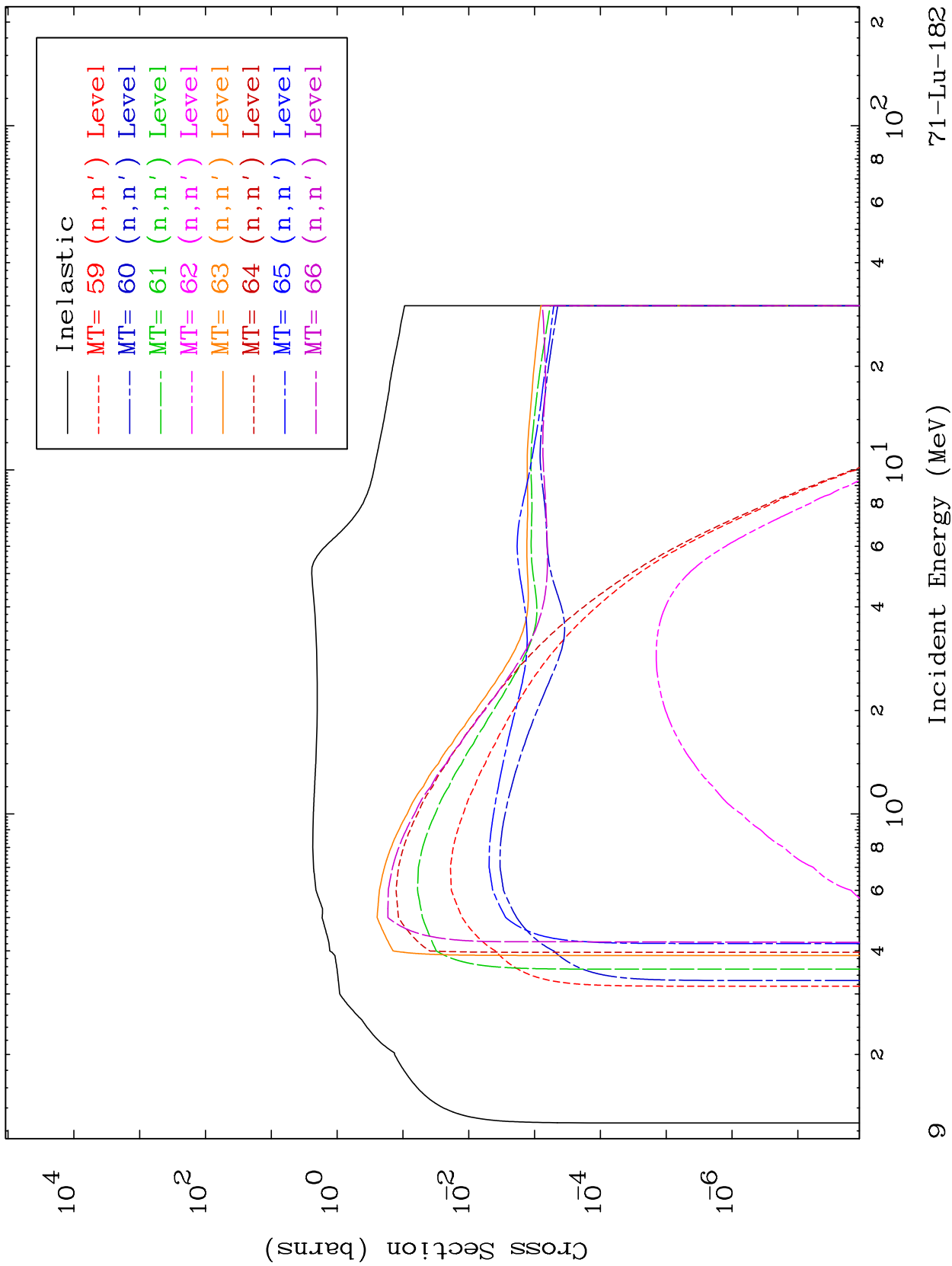
MAT 7146

Particle Production
293 Kelvin Cross Sections

71-Lu-182





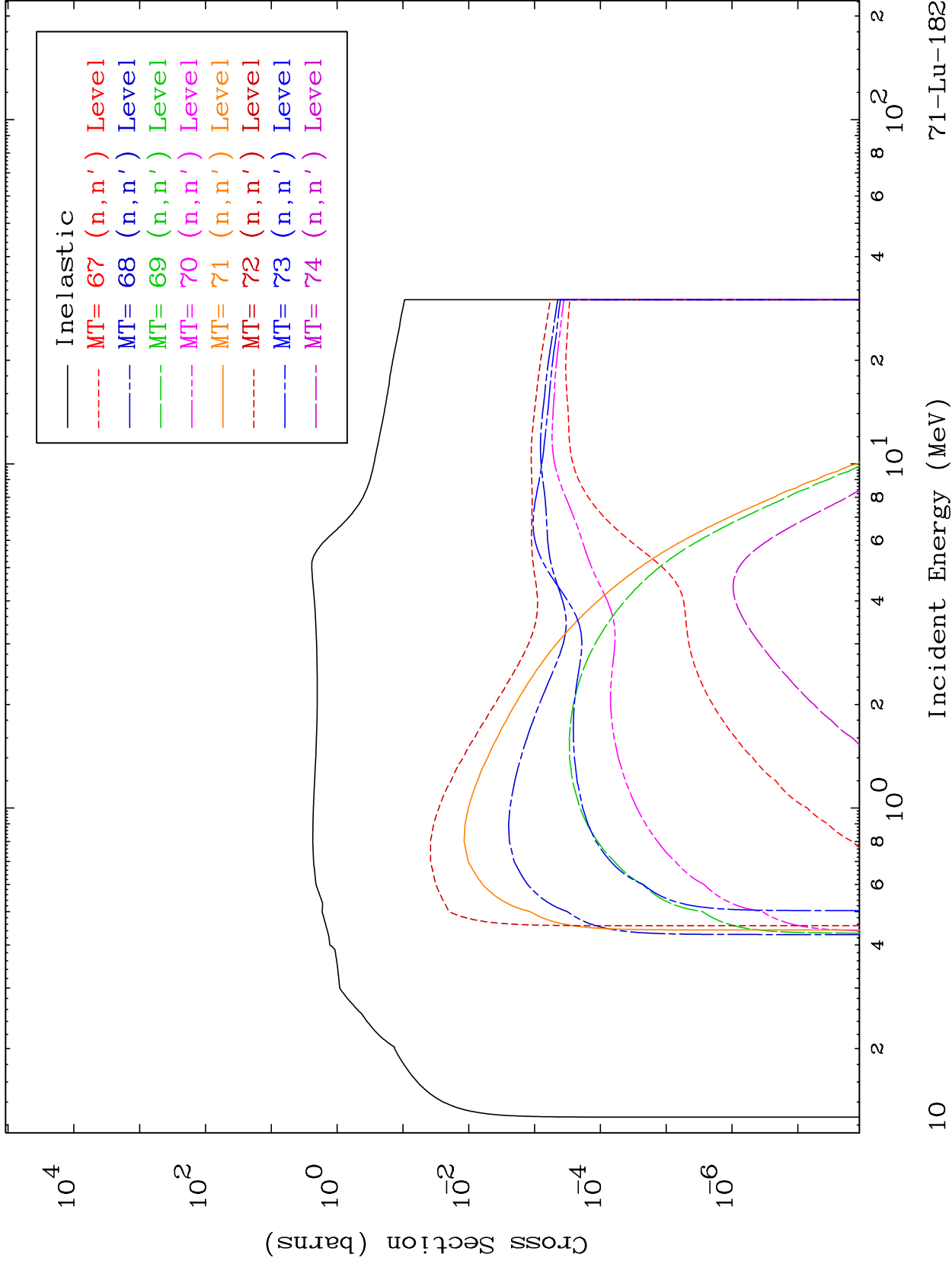


MAT 7146

(n,n') Levels

71-Lu-182

293 Kelvin Cross Sections



10

Incident Energy (MeV)

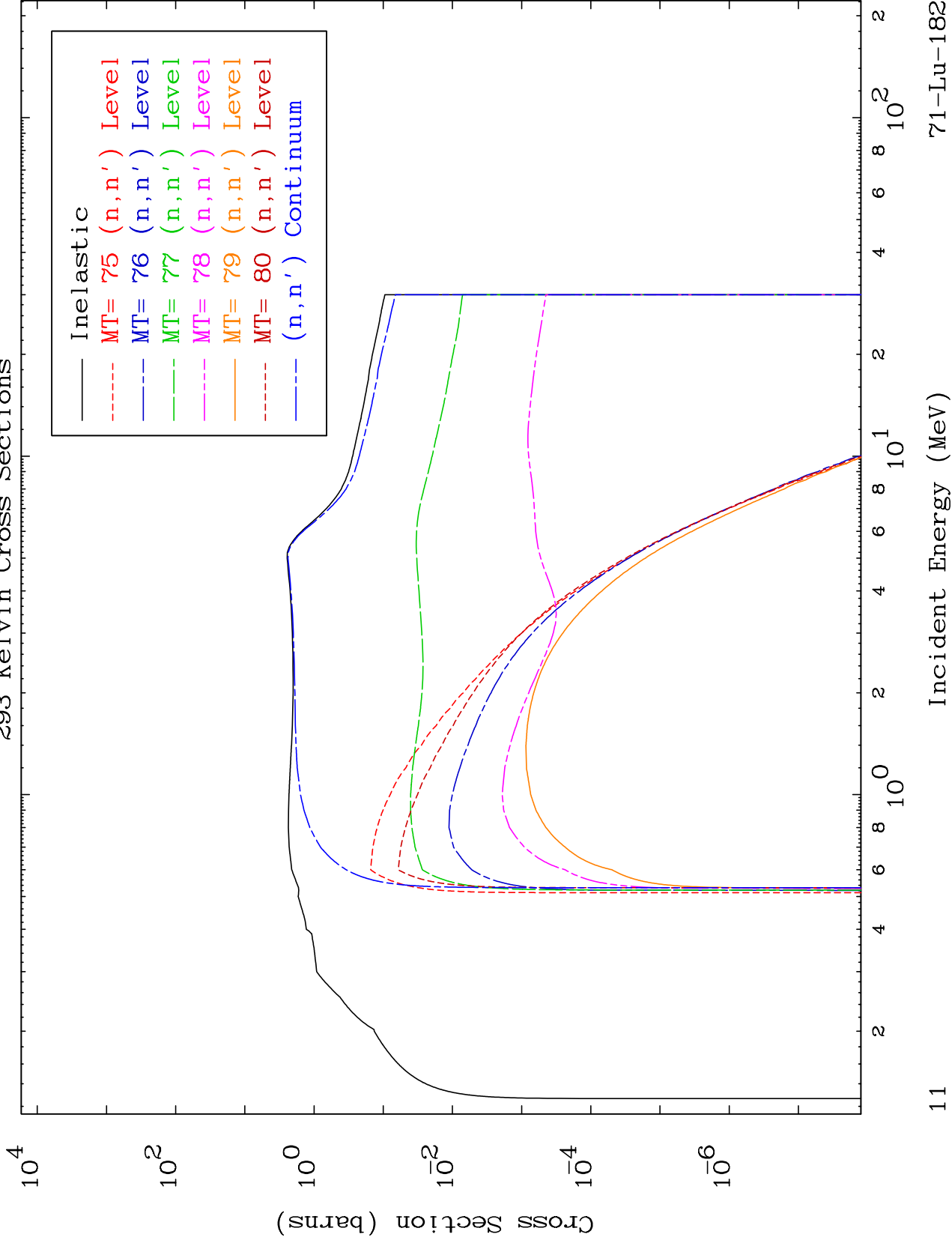
71-Lu-182

MAT 7146

(n,n') Levels

293 Kelvin Cross Sections

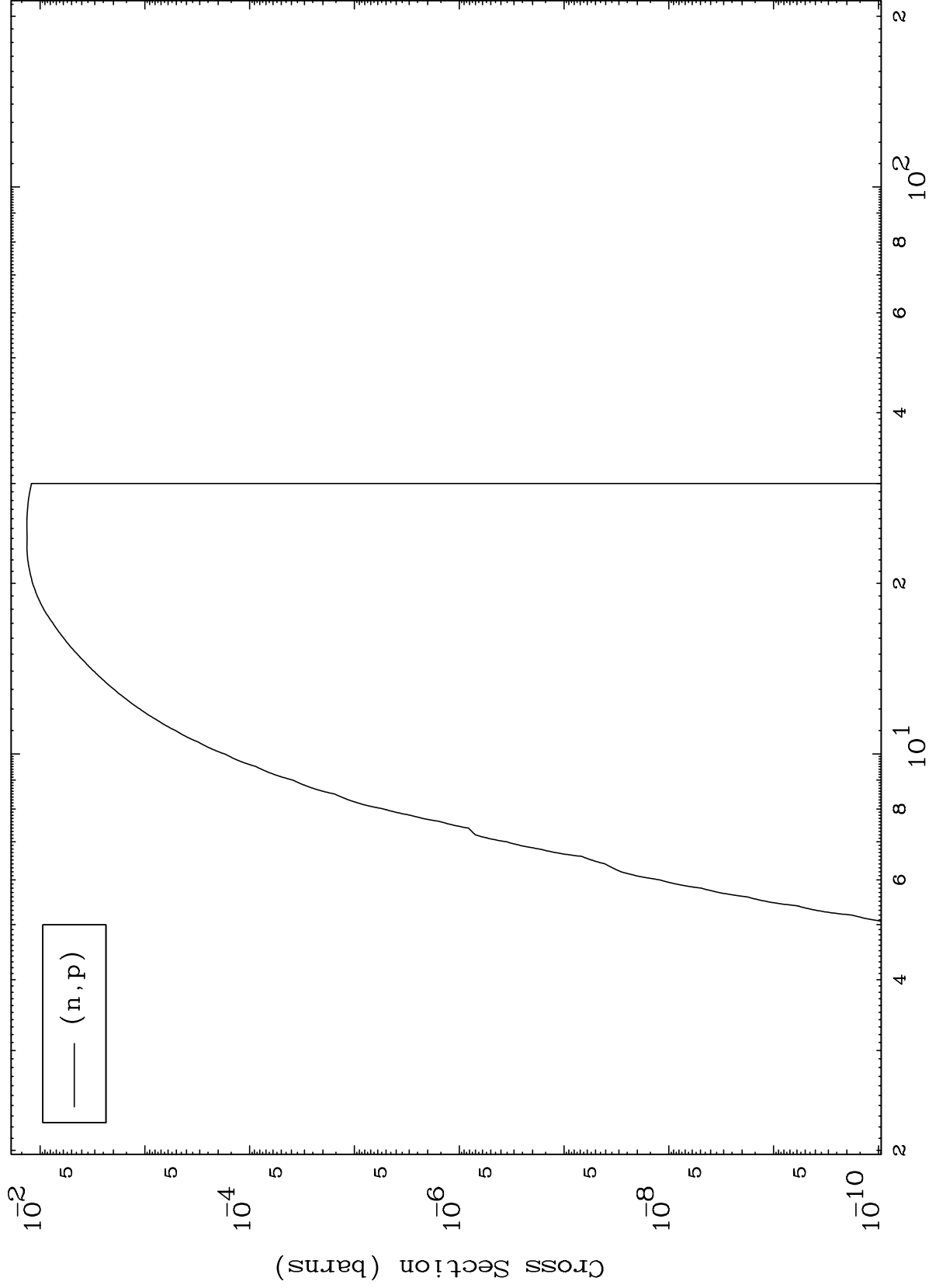
71-Lu-182



MAT 7146

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-182



12

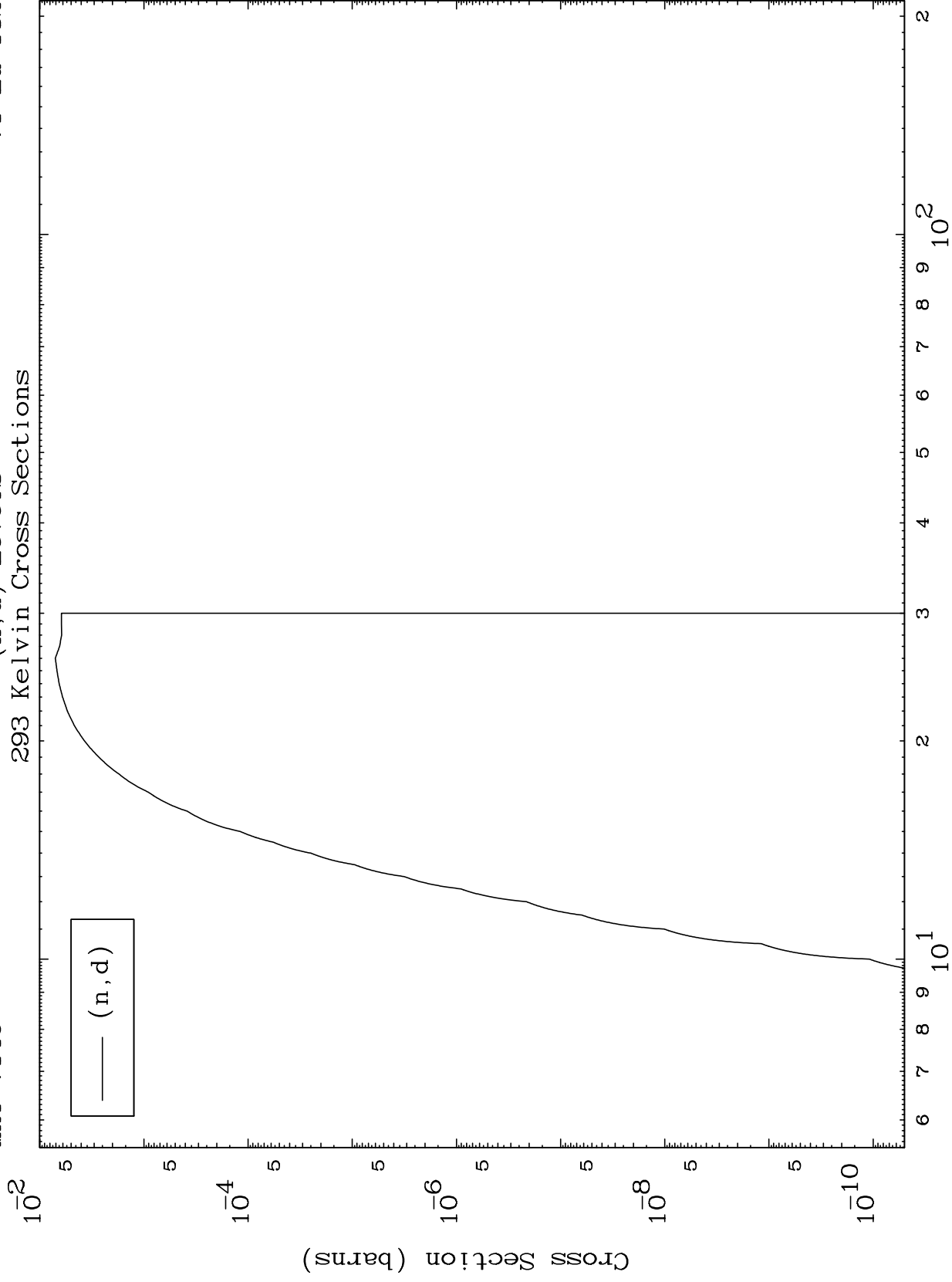
Incident Energy (MeV)

71-Lu-182

MAT 7146

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-182



13

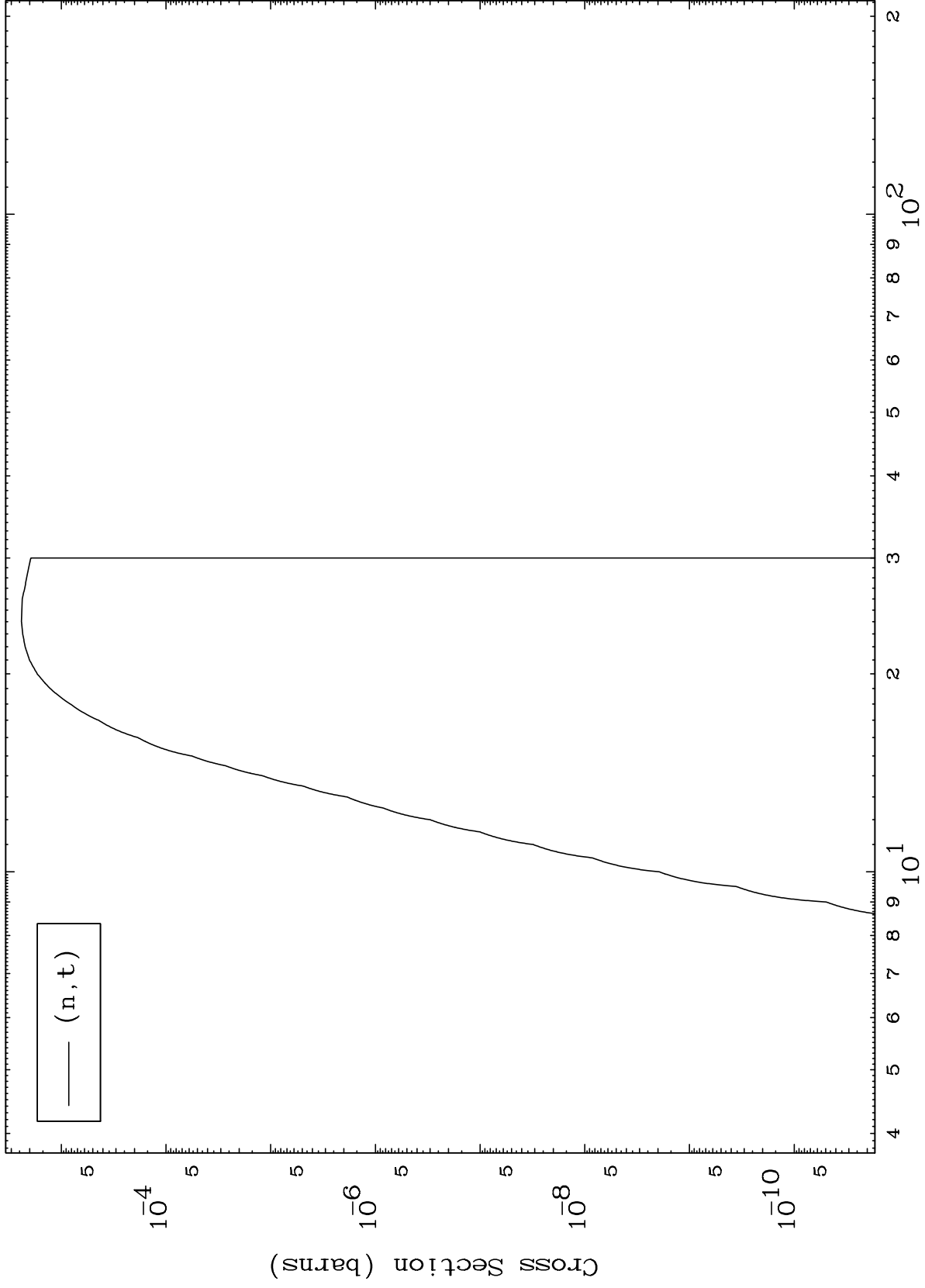
Incident Energy (MeV)

71-Lu-182

MAT 7146

(n,t) Levels
293 Kelvin Cross Sections

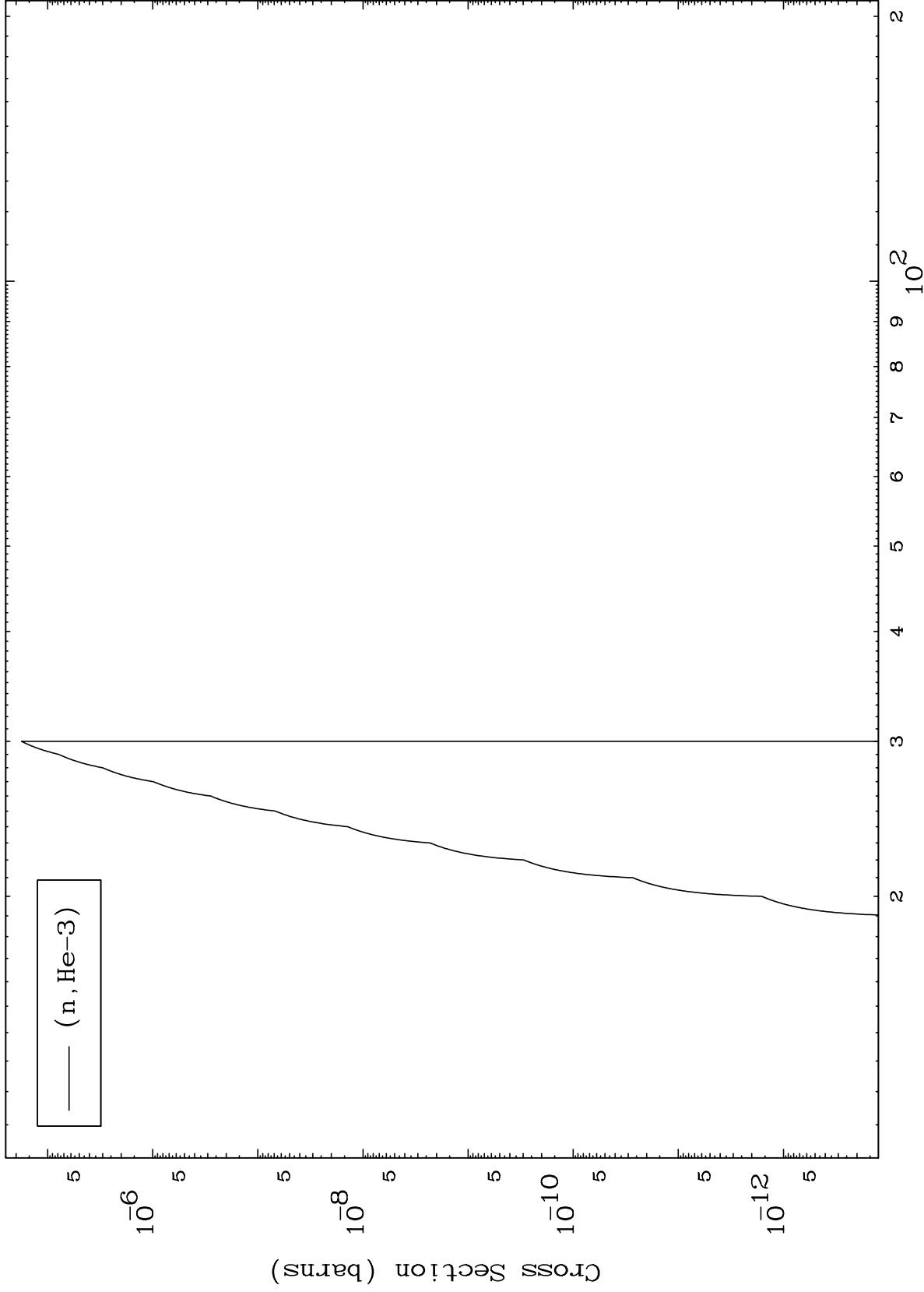
71-Lu-182



14

Incident Energy (MeV)

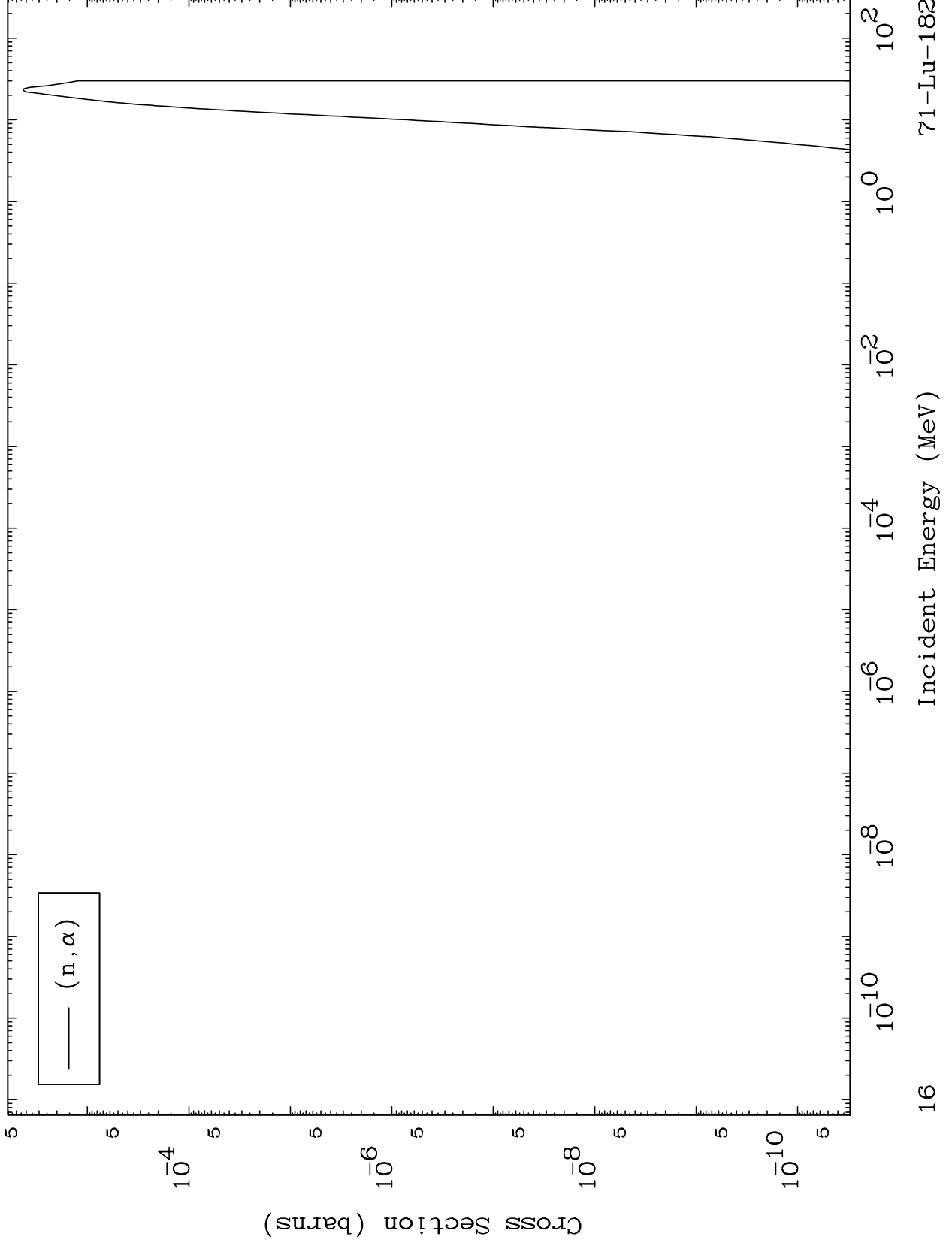
71-Lu-182



MAT 7146

(n, α) Levels
293 Kelvin Cross Sections

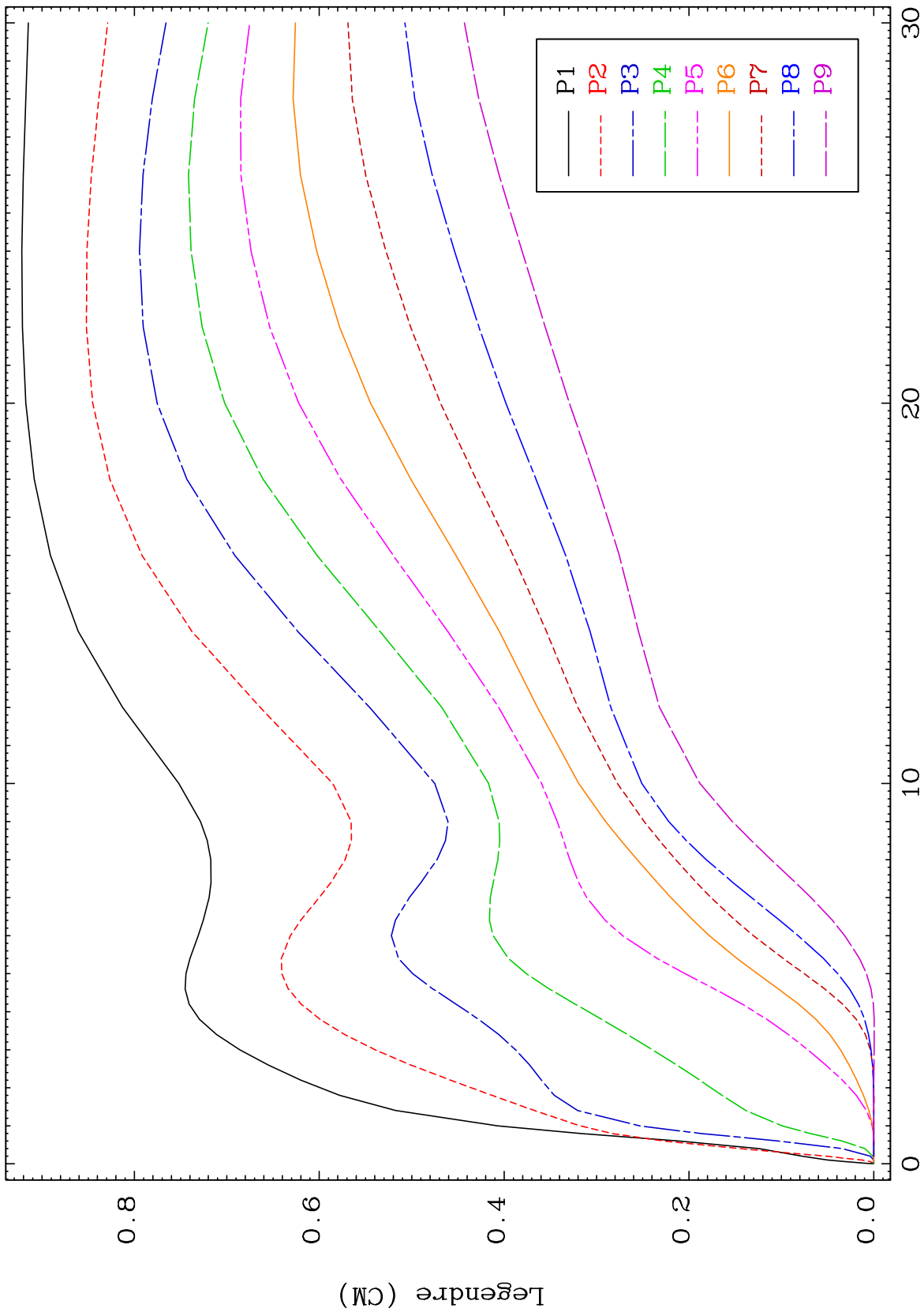
71-Lu-182



MAT 7146

71-Lu-182

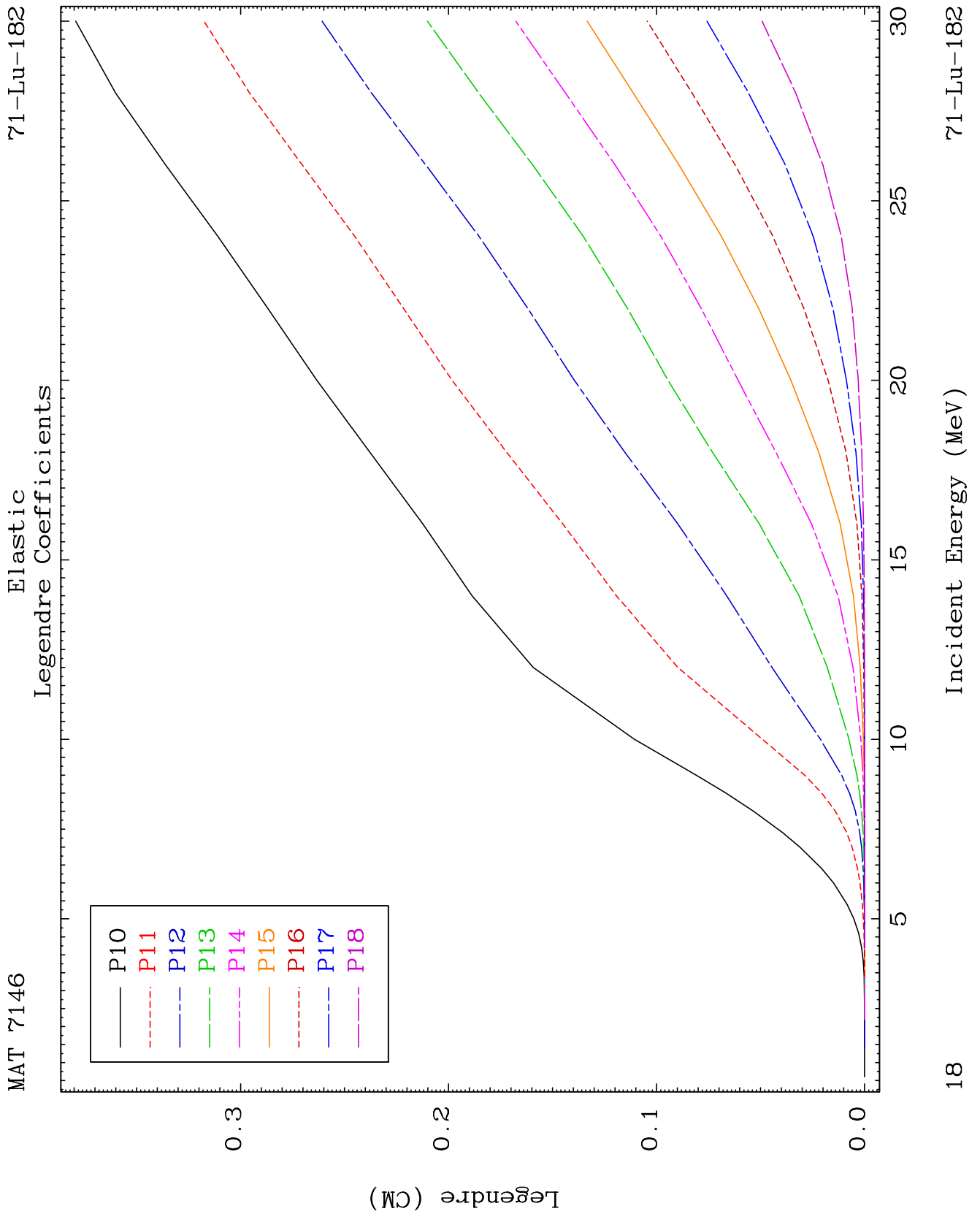
Elastic Legendre Coefficients



17

Incident Energy (MeV)

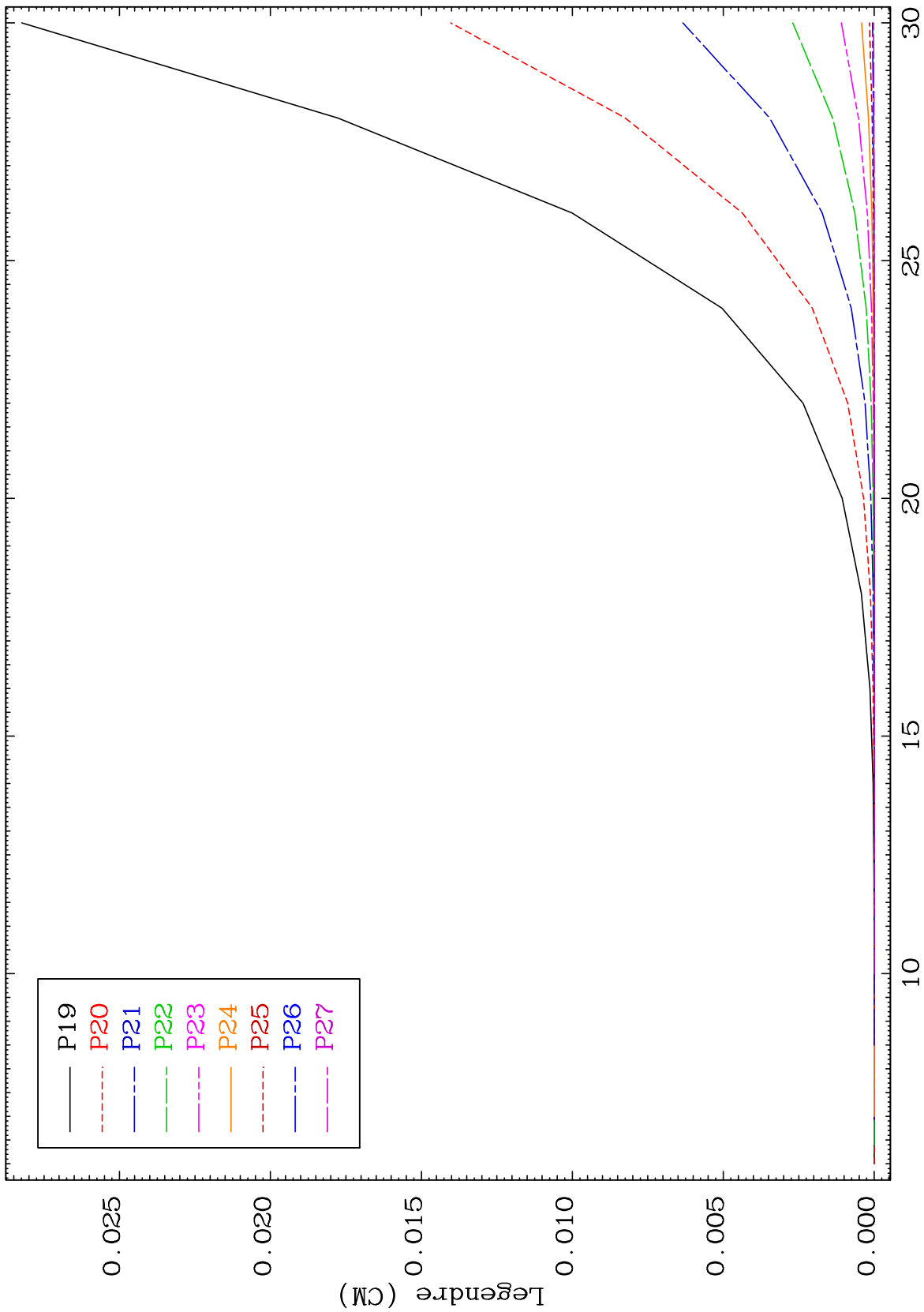
71-Lu-182



MAT 7146

Elastic Legendre Coefficients

71-Lu-182



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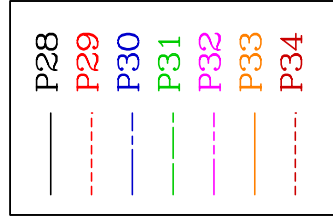
Incident Energy (MeV)

71-Lu-182

MAT 7146

Elastic
Legendre Coefficients

71-Lu-182



$\times 10^{-6}$

6

4

2

0

Legendre (CM)

15

20

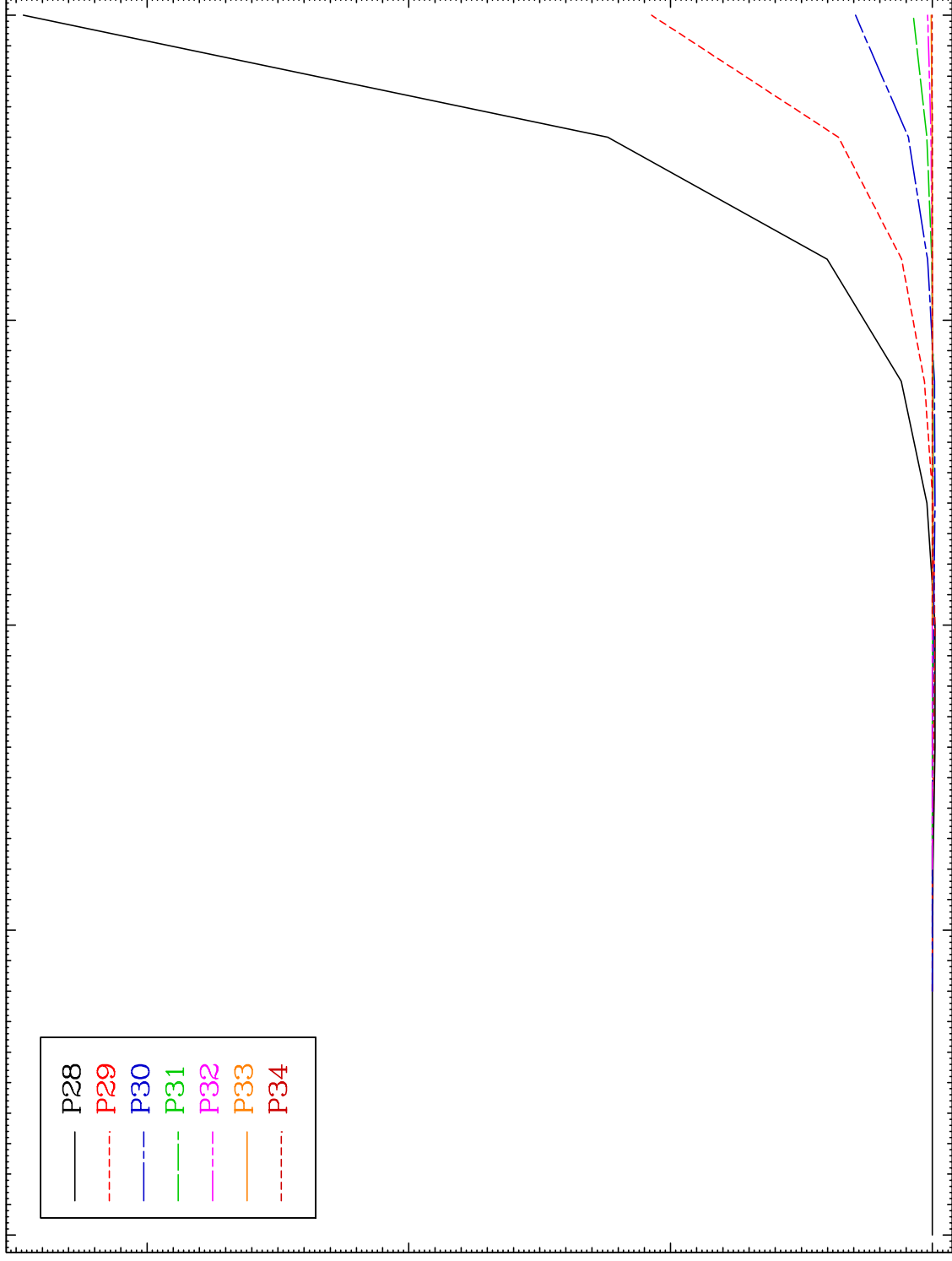
25

30

20

Incident Energy (MeV)

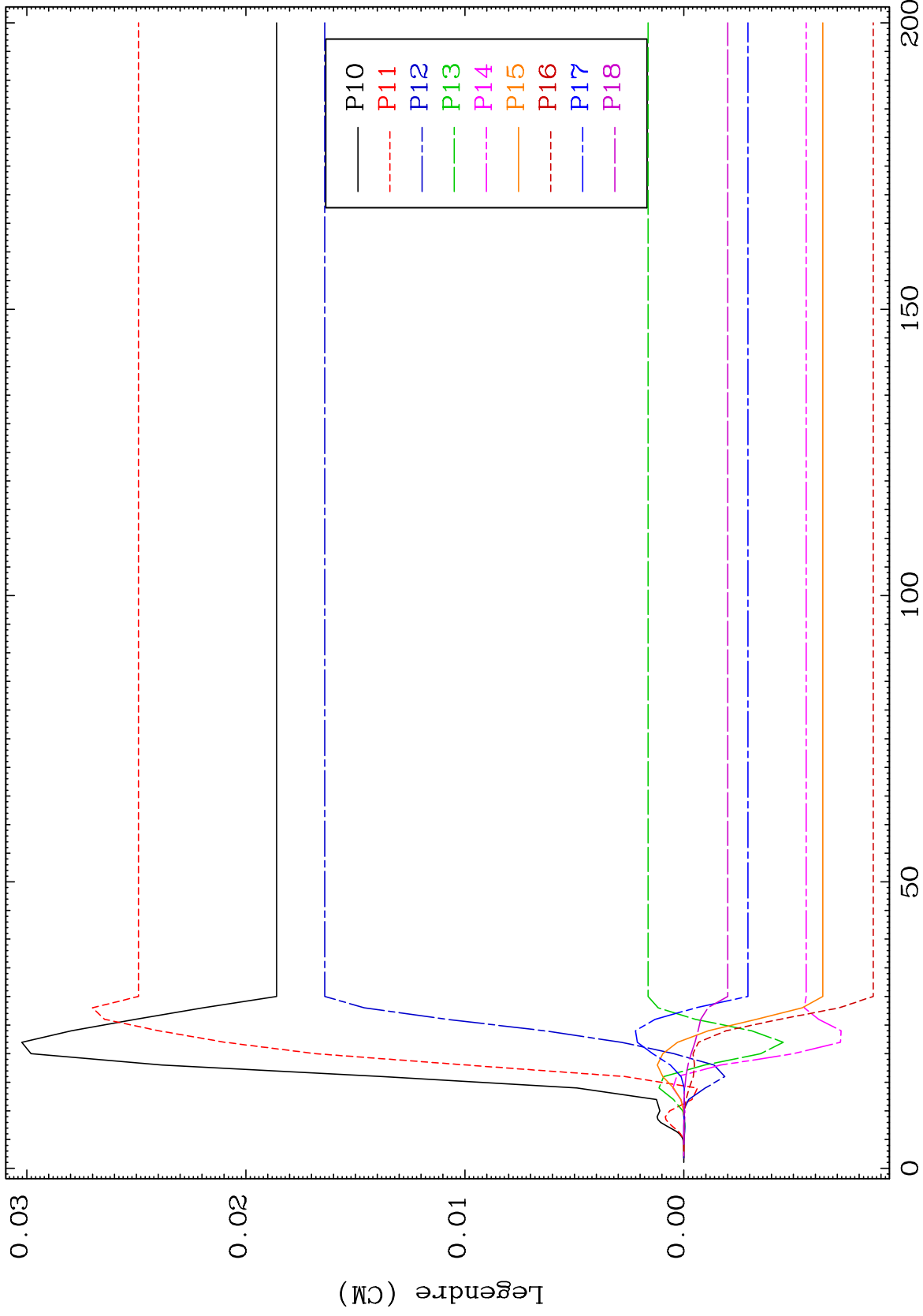
71-Lu-182



MAT 7146

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

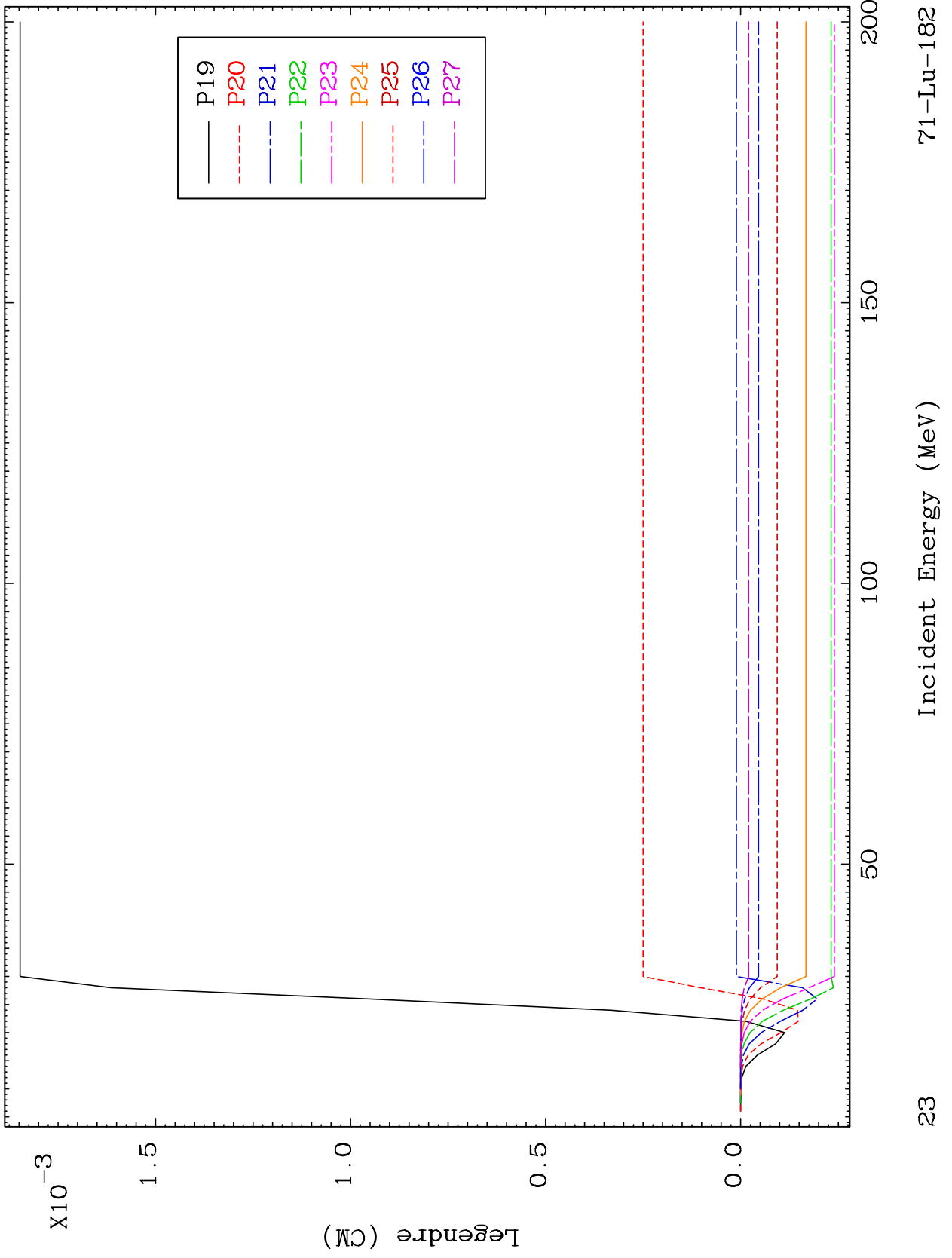
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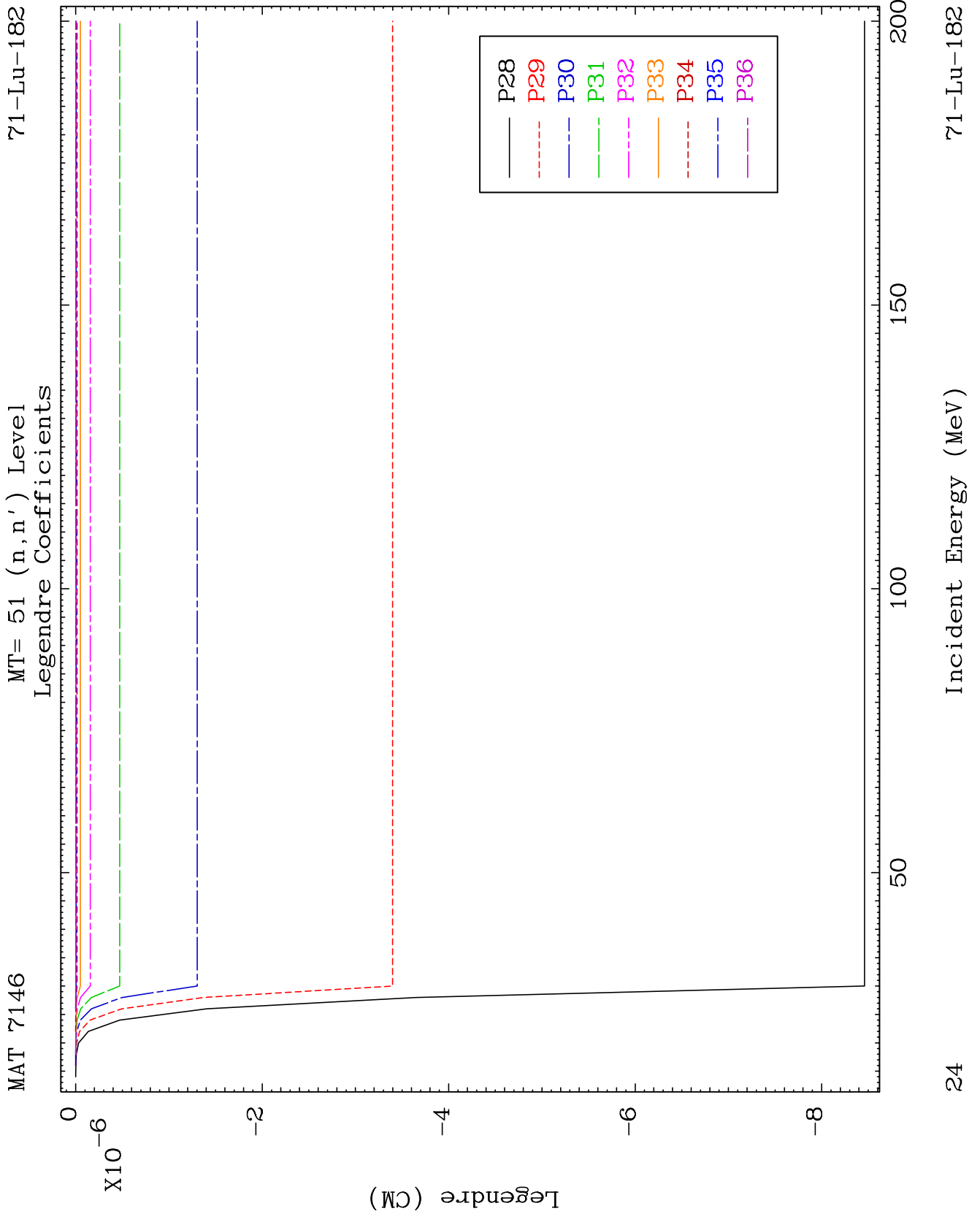


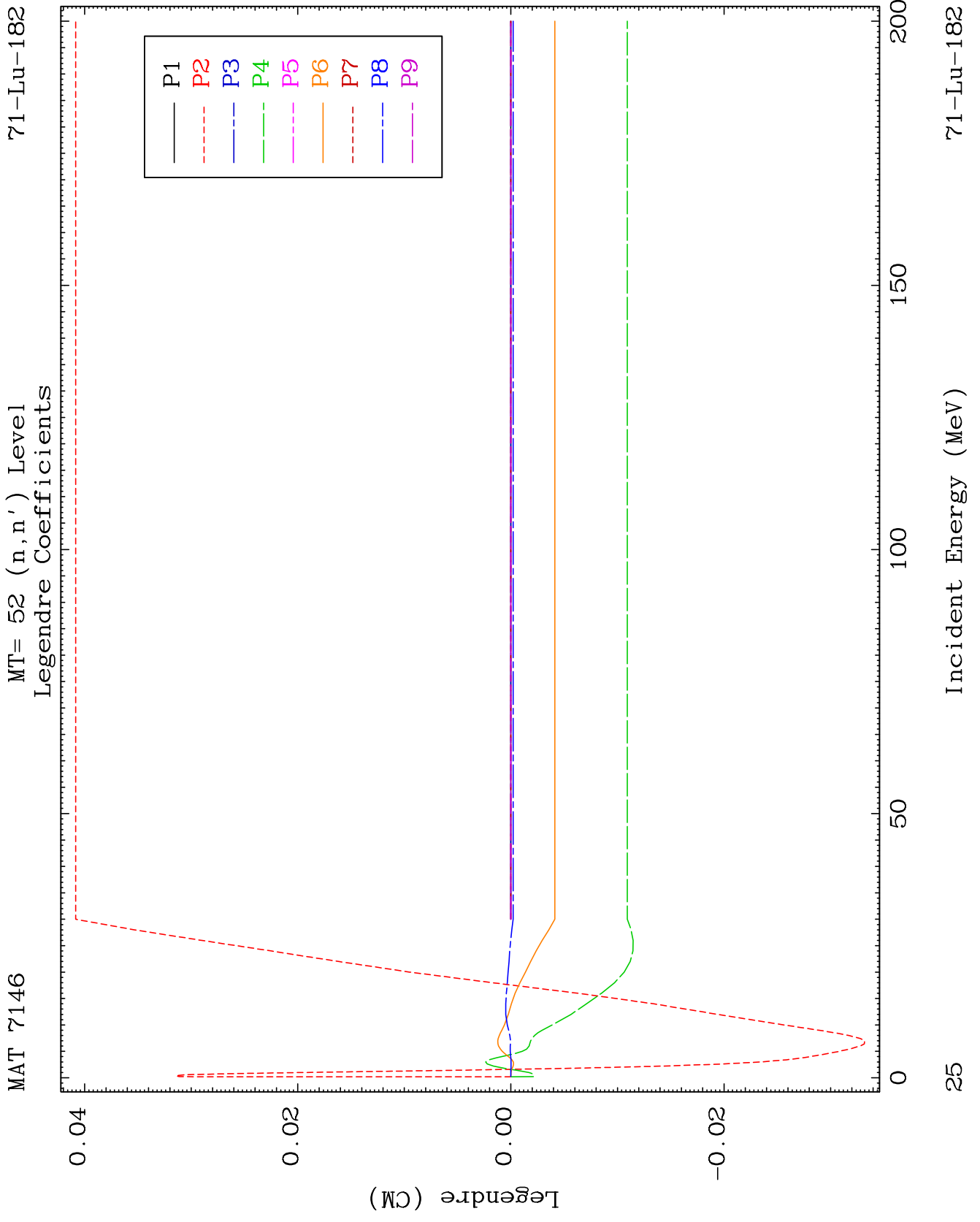
22

Incident Energy (MeV)

71-Lu-182



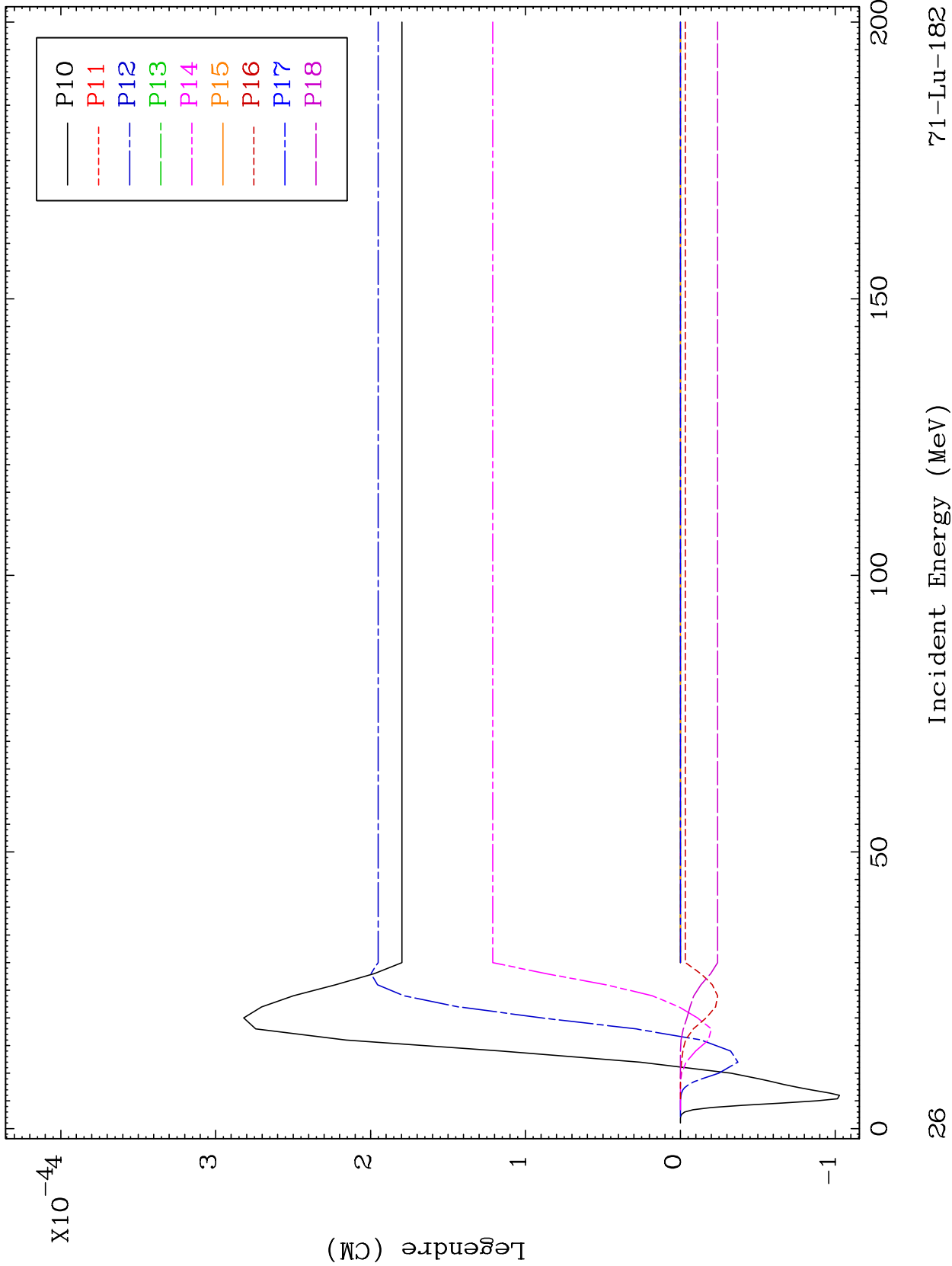




MAT 7146

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

71-Lu-182



26

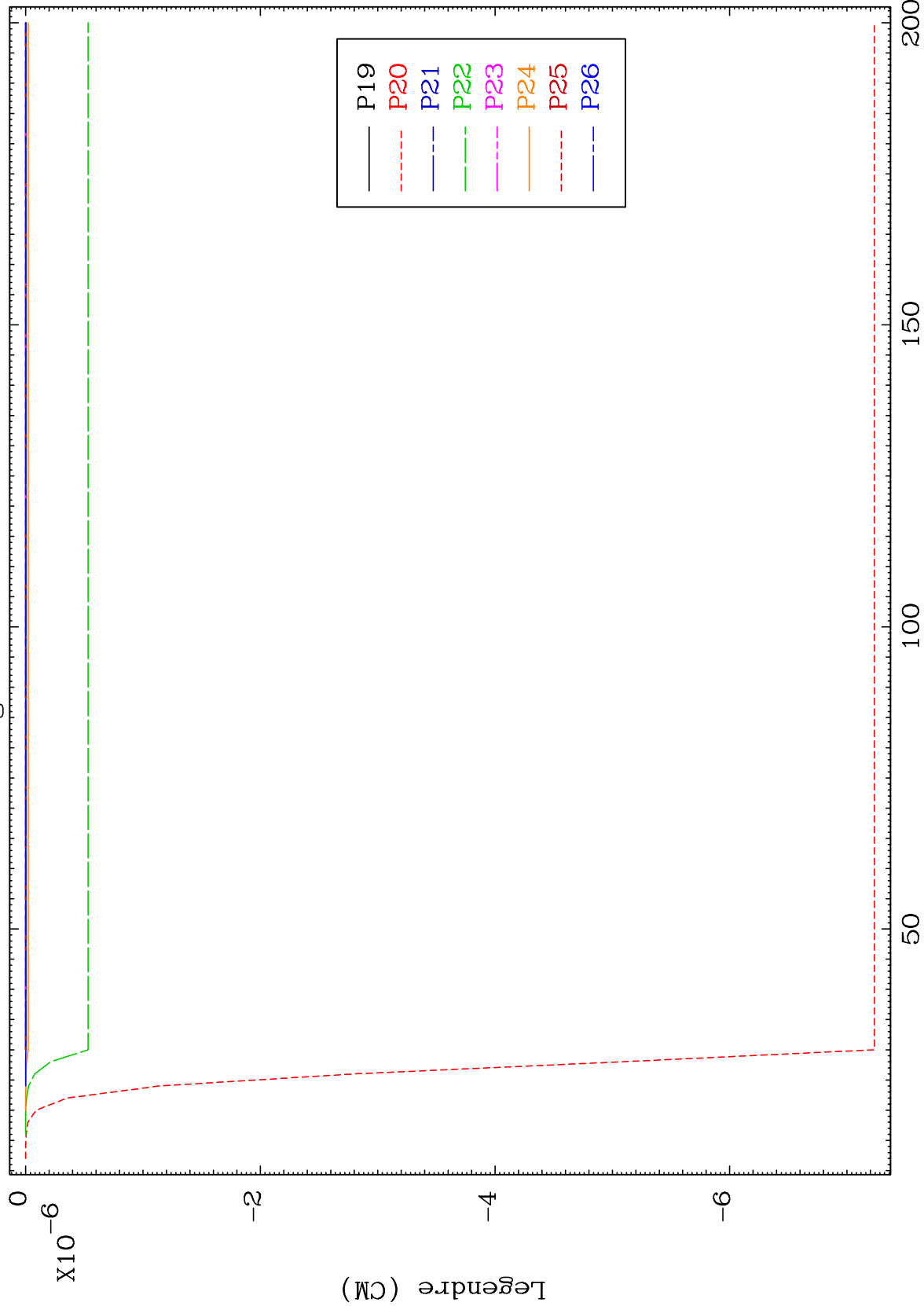
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



71-Lu-182

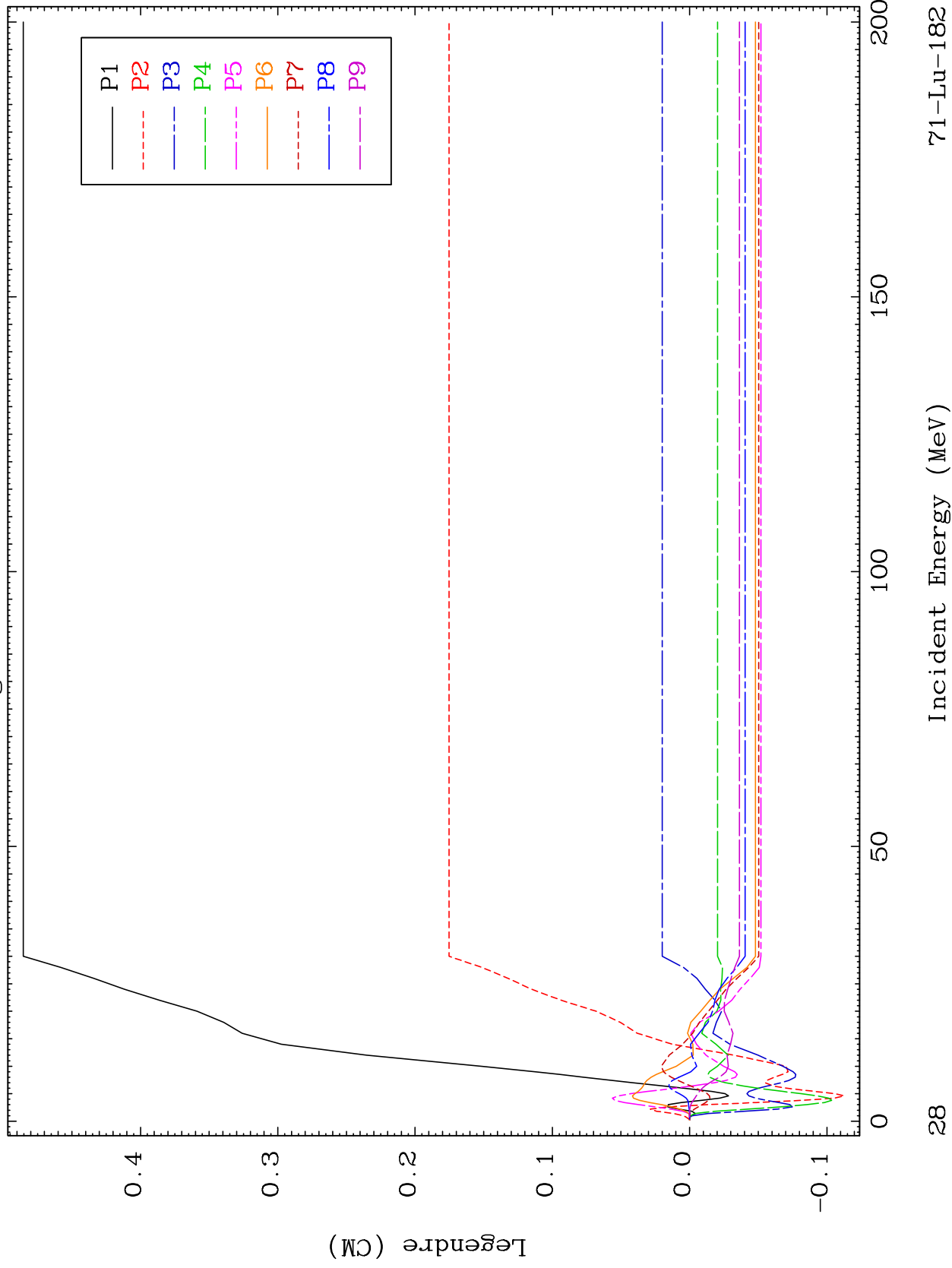
Incident Energy (MeV)

27

MAT 7146

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

71-Lu-182



71-Lu-182

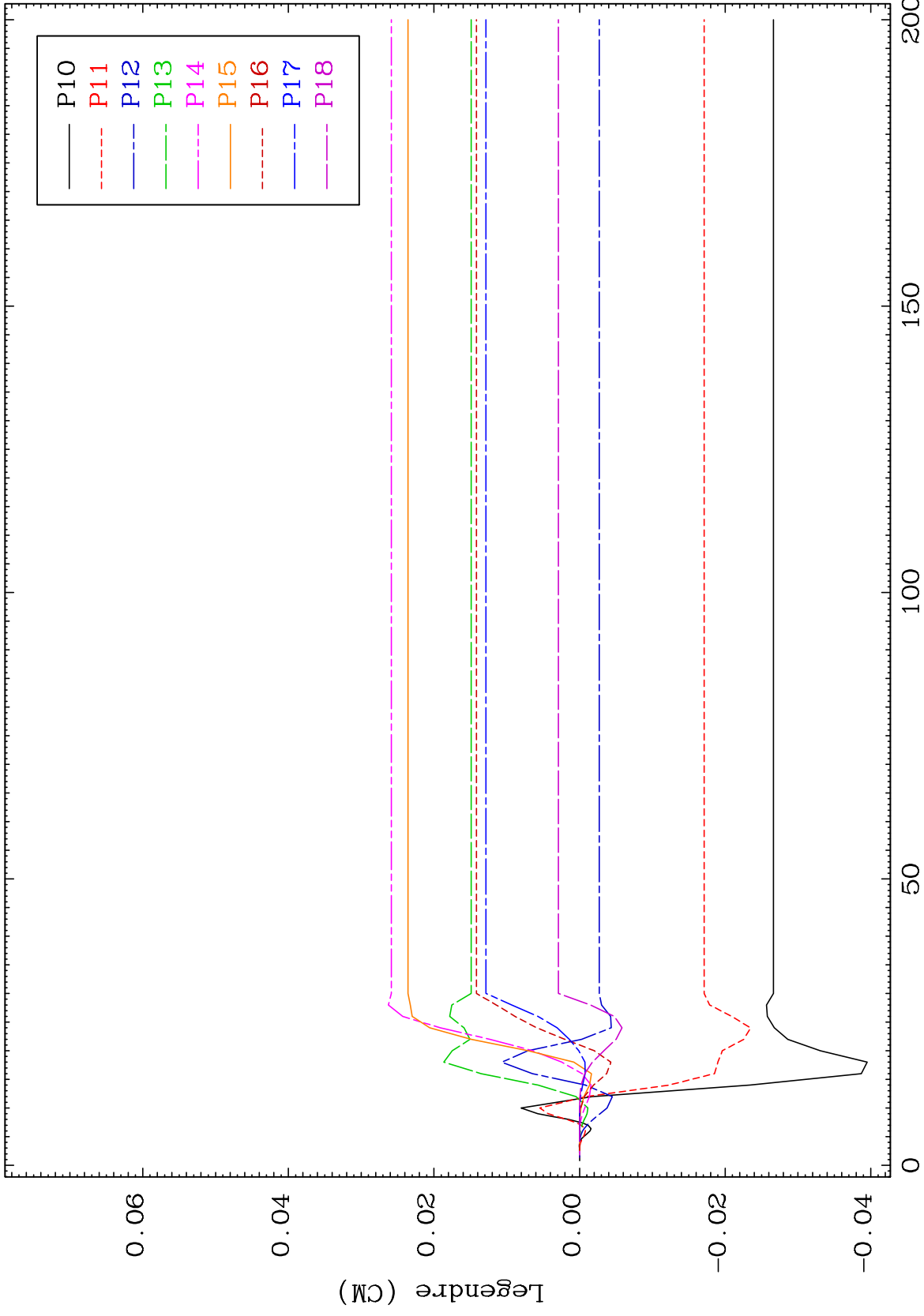
Incident Energy (MeV)

28

MAT 7146

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

71-Lu-182



29

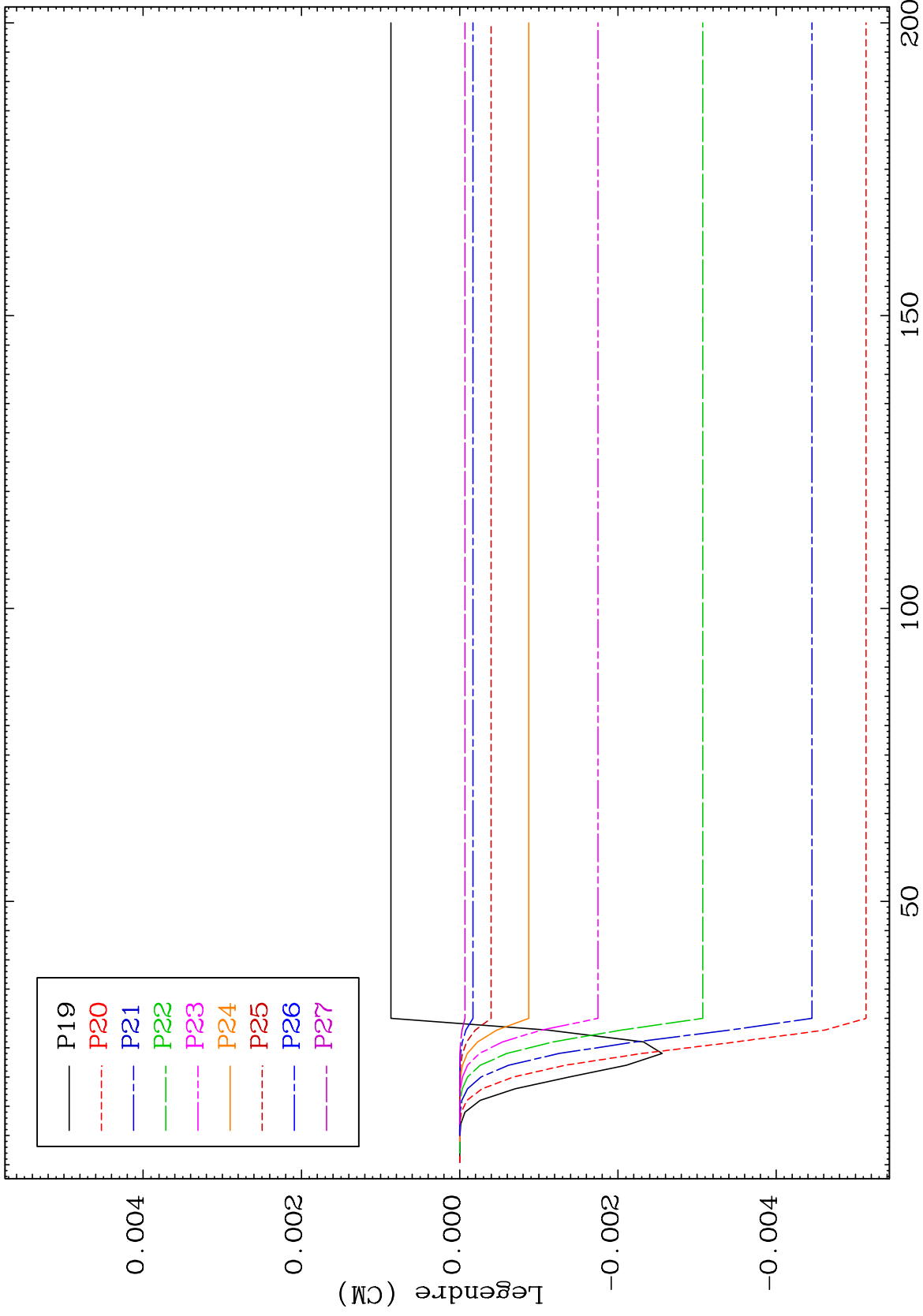
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182

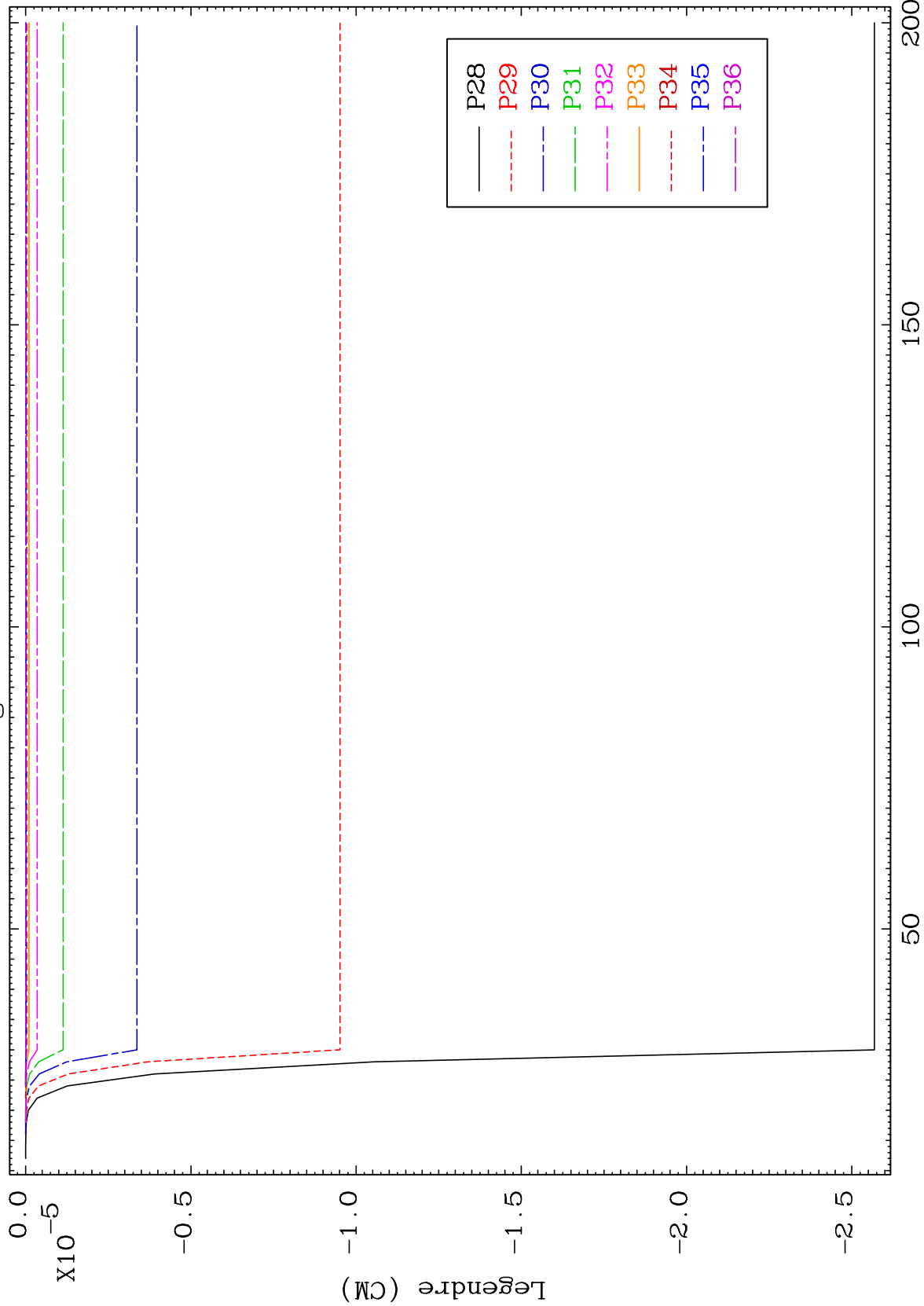


30

Incident Energy (MeV)

71-Lu-182

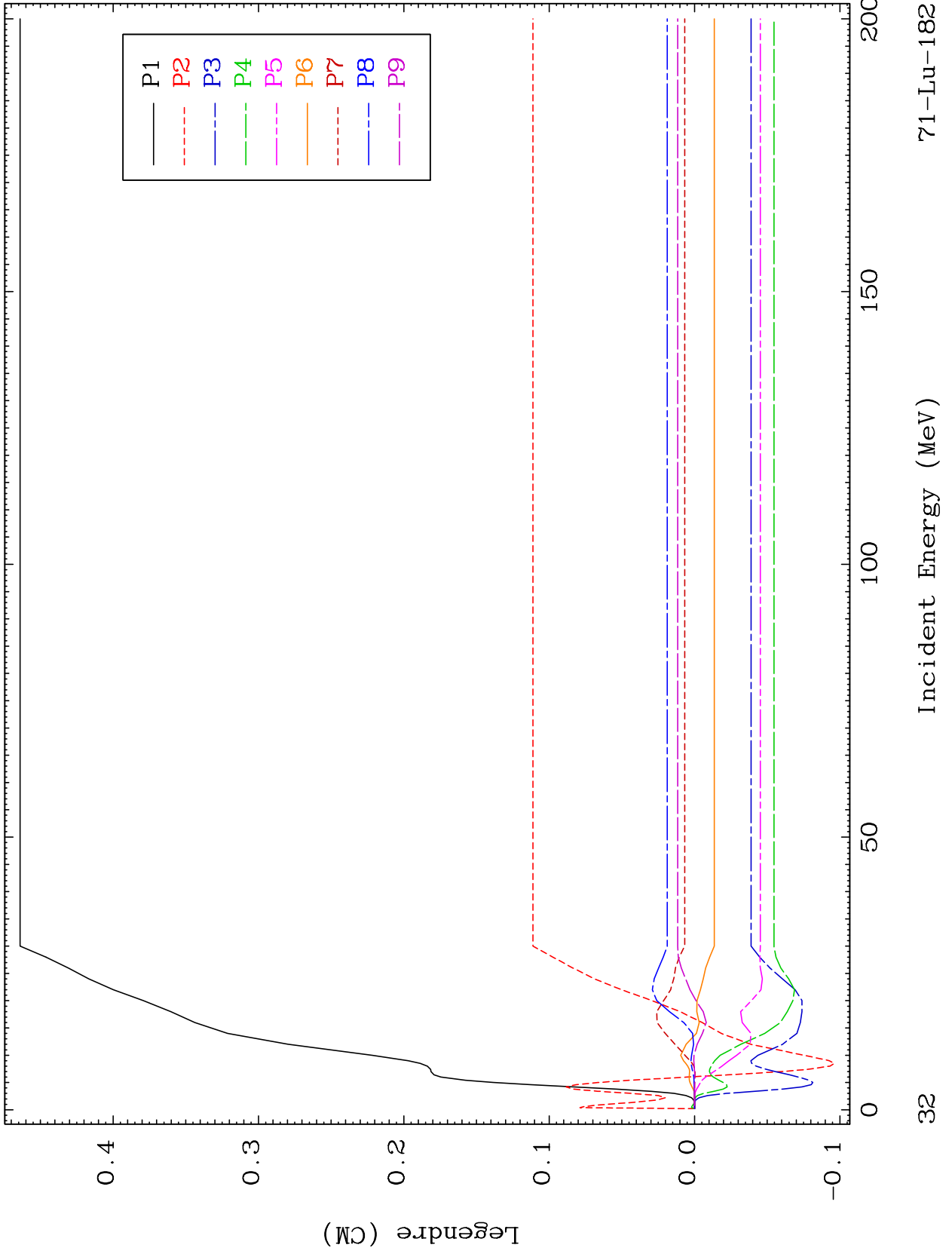
Legendre Coefficients



MAT 7146

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

71-Lu-182



71-Lu-182

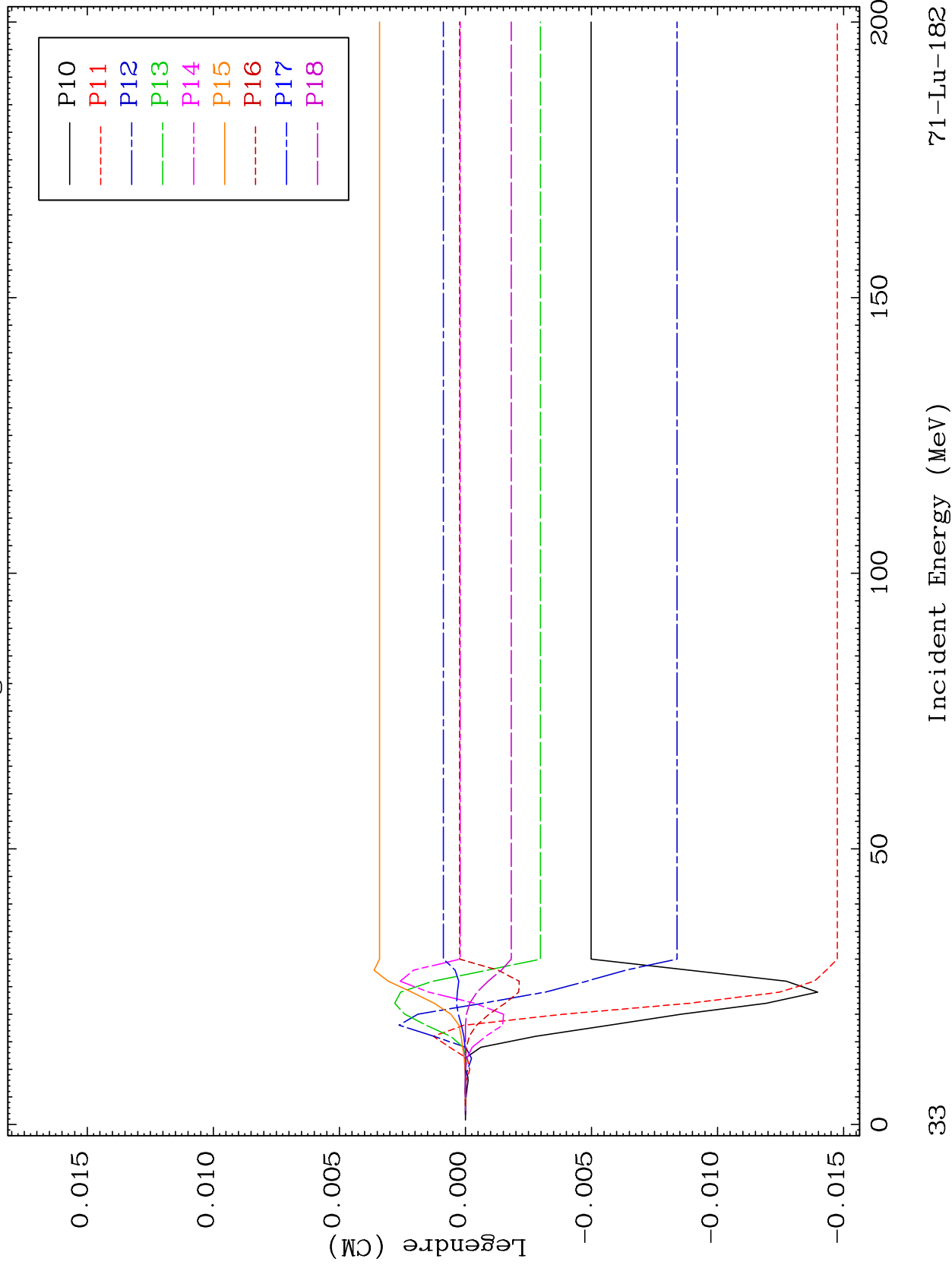
Incident Energy (MeV)

32

MAT 7146

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

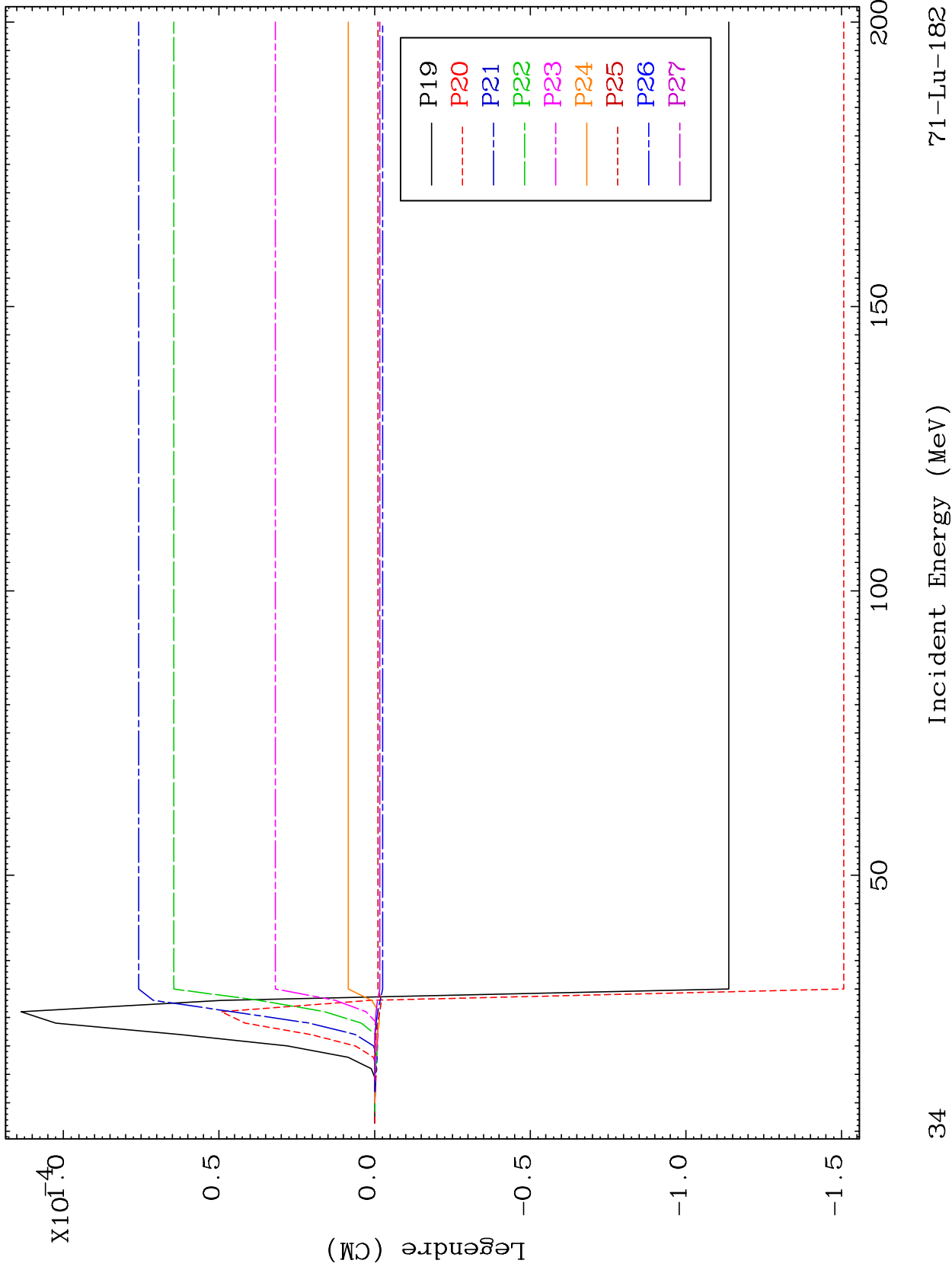
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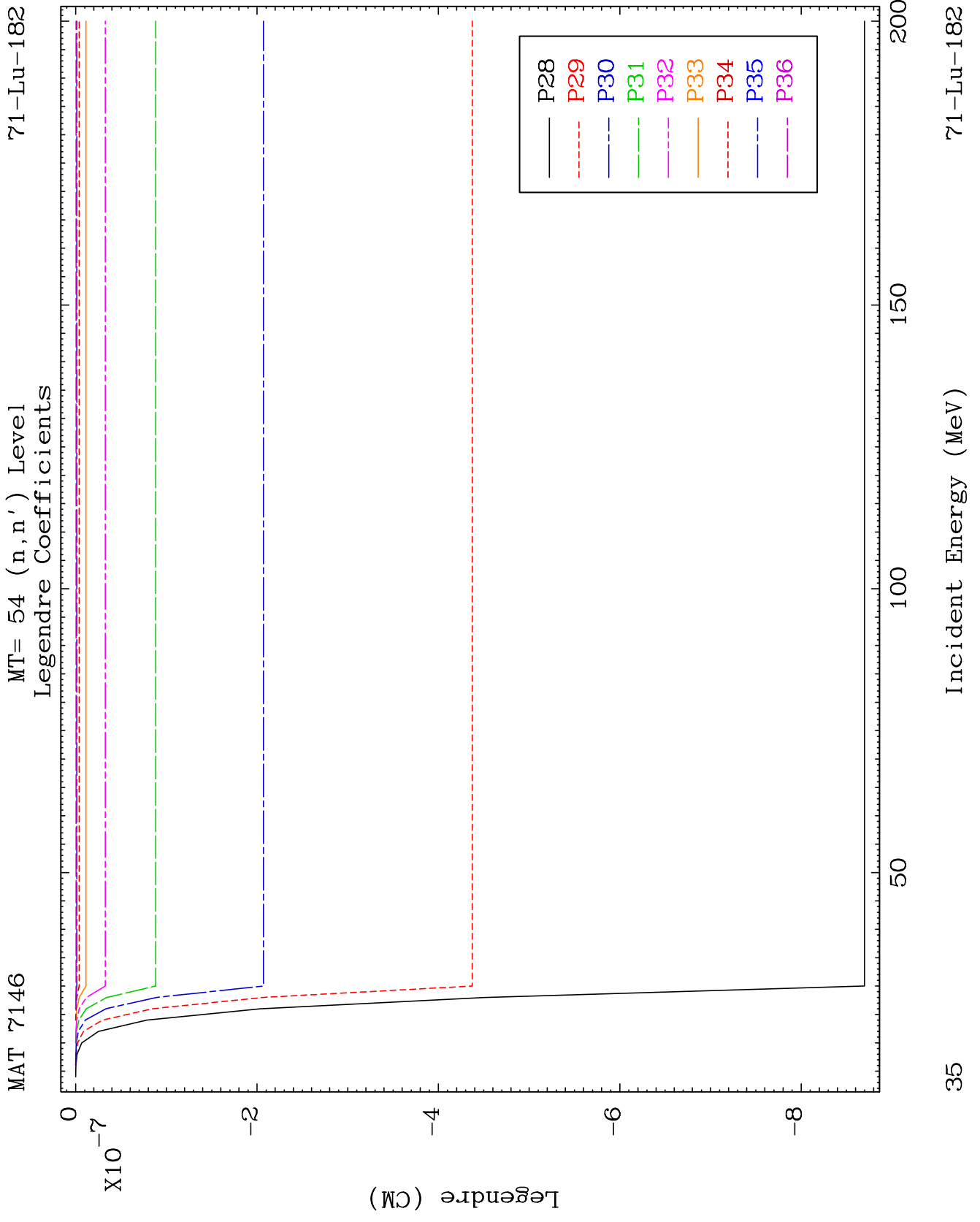


33

Incident Energy (MeV)

71-Lu-182

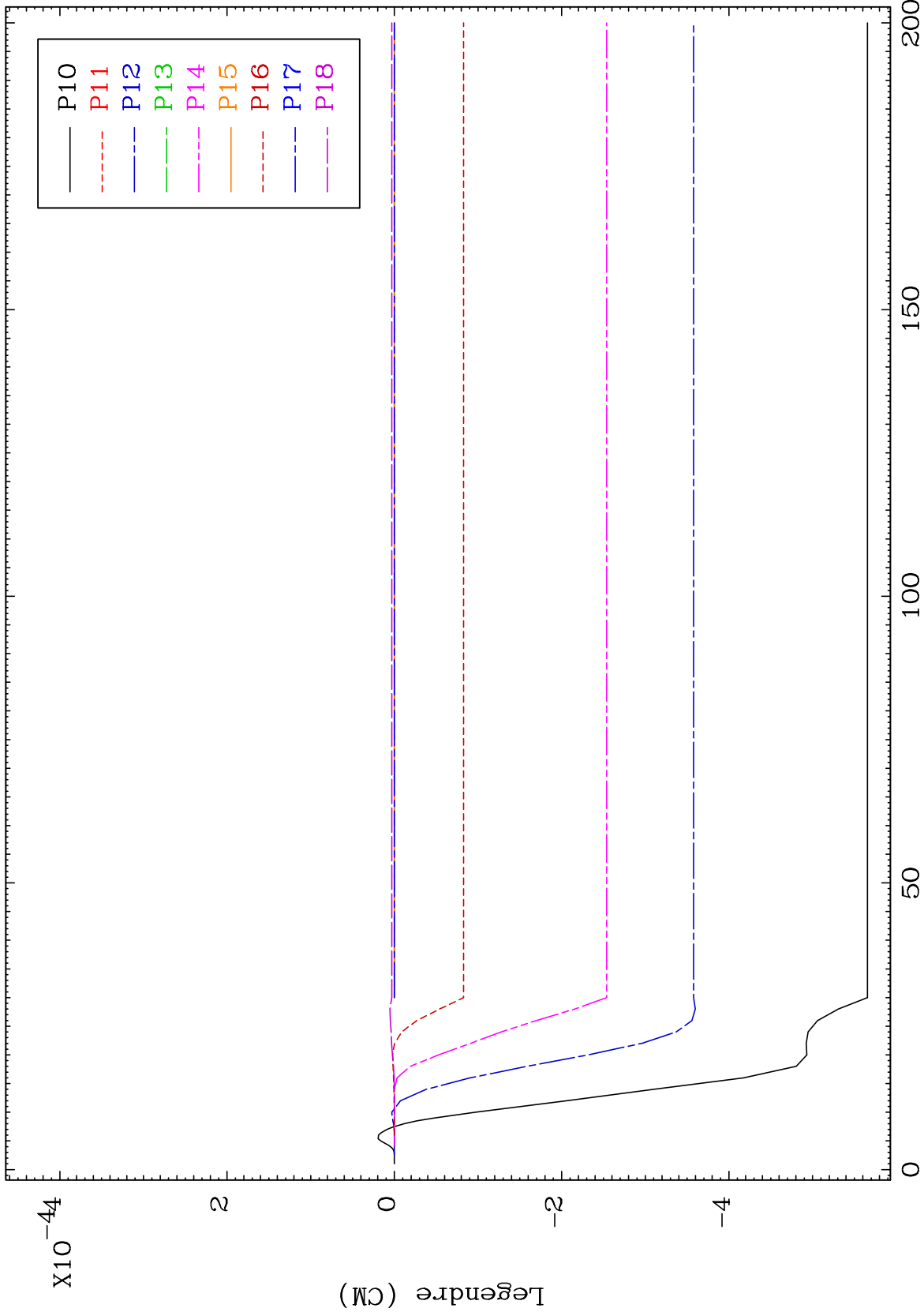




MAT 7146

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

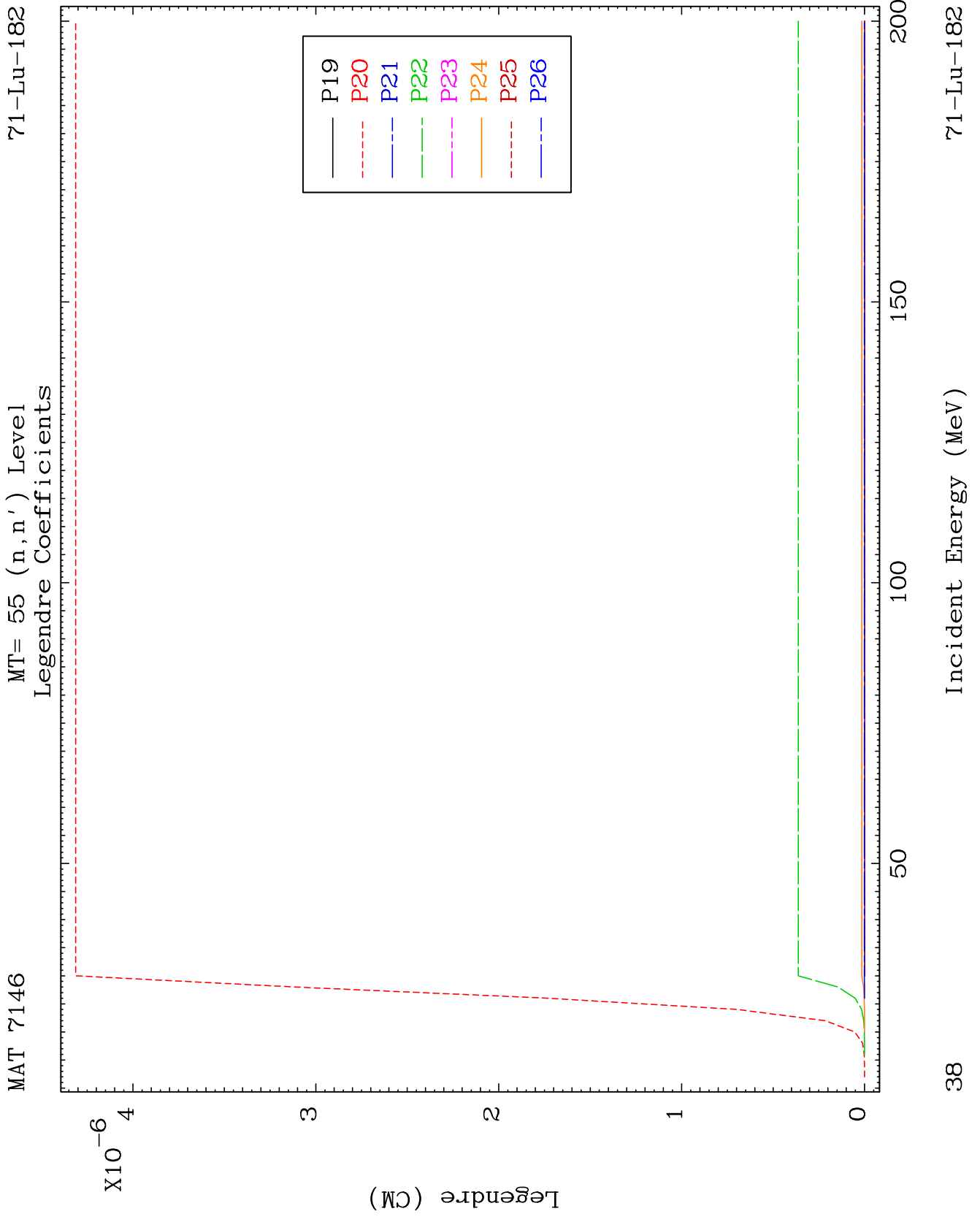
71-Lu-182



37

Incident Energy (MeV)

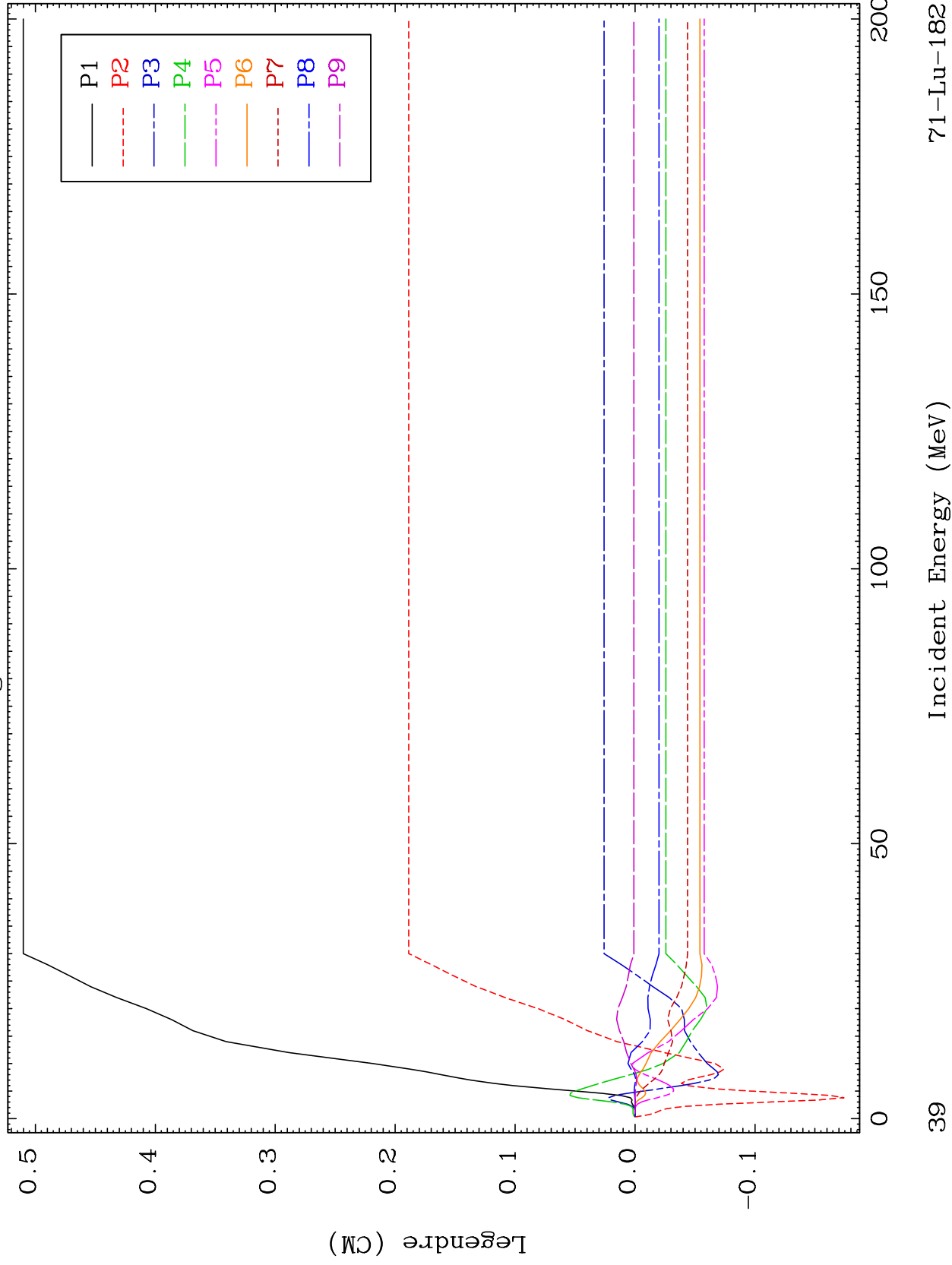
71-Lu-182



MAT 7146

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

71-Lu-182



71-Lu-182

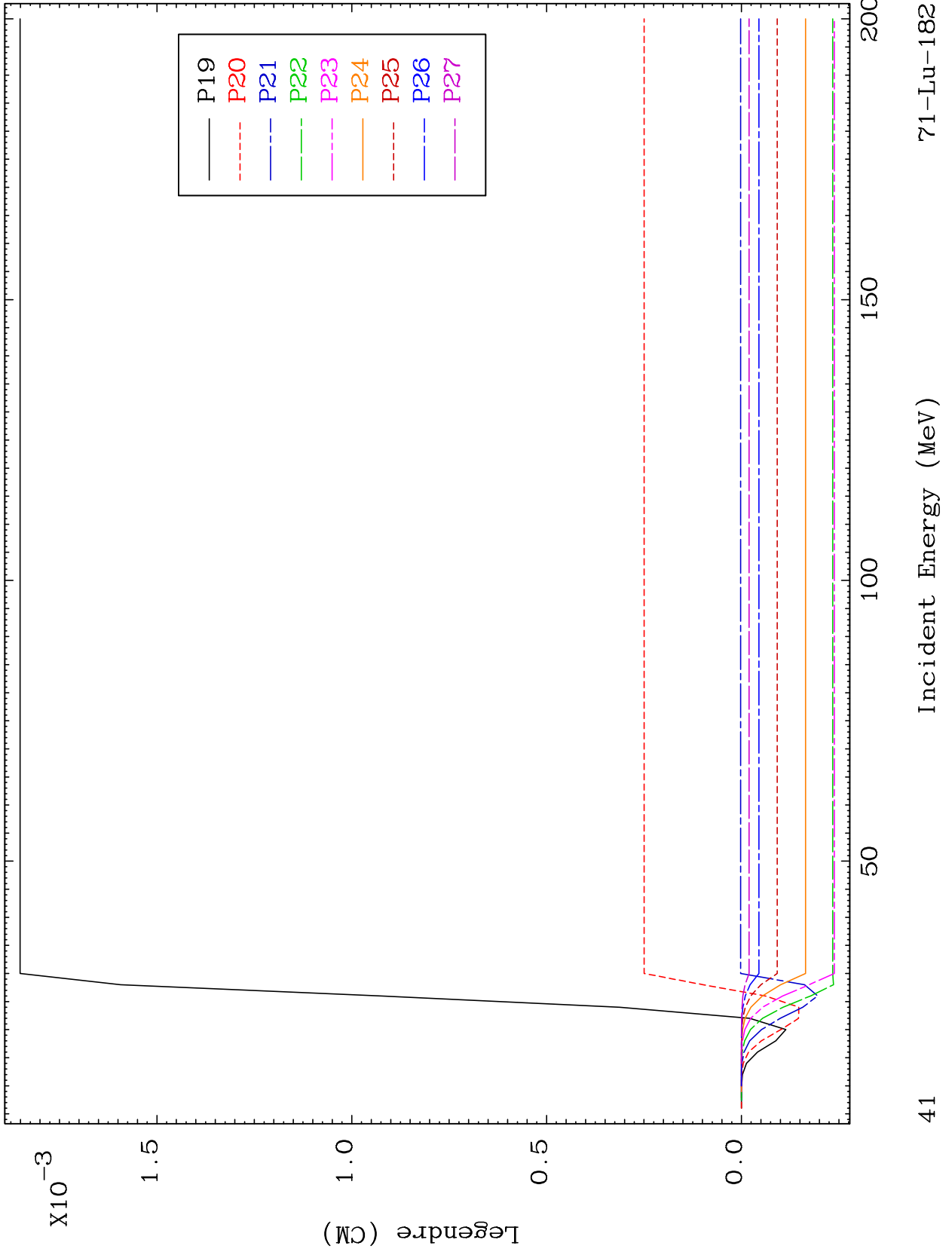
Incident Energy (MeV)

39

MAT 7146

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

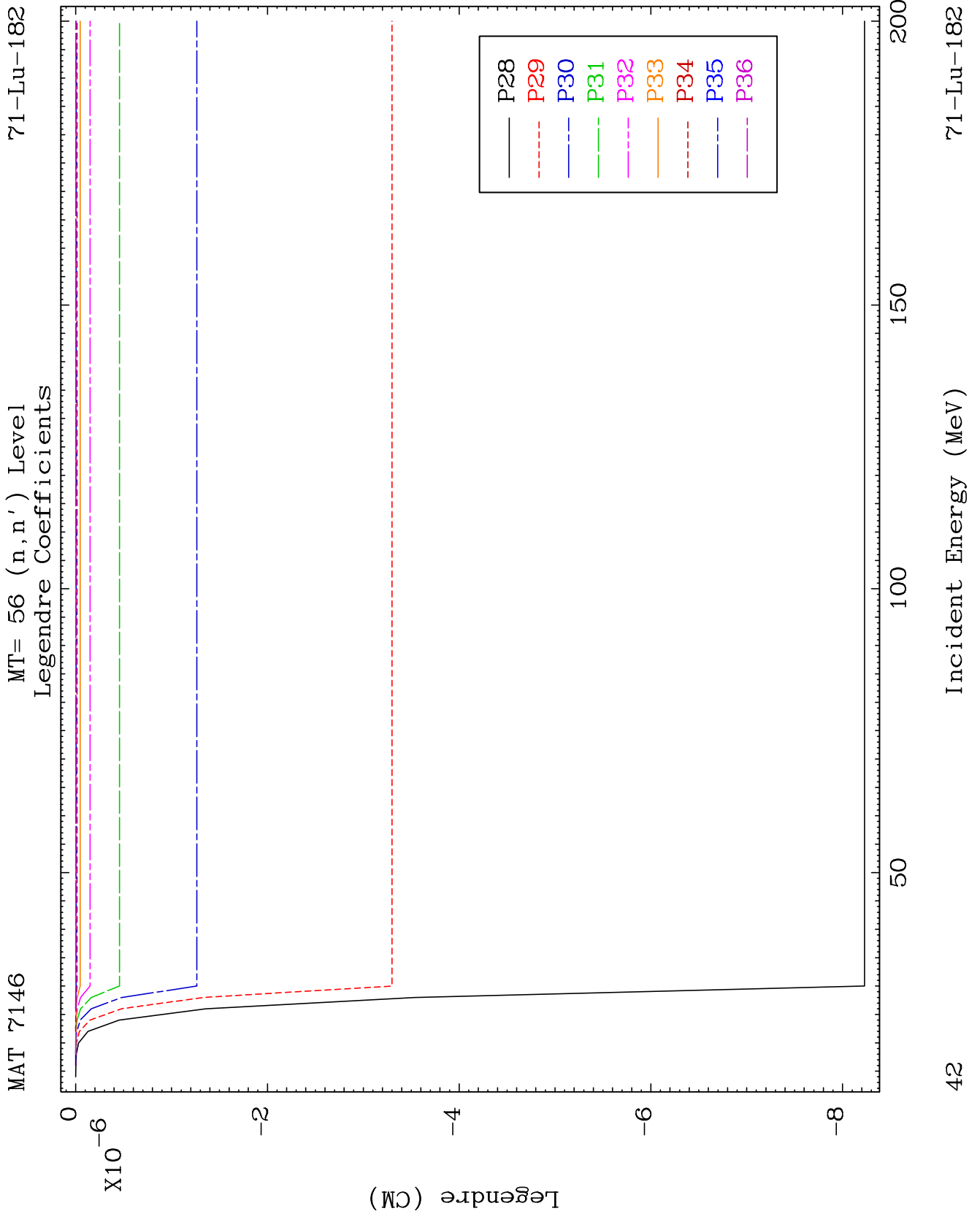
71-Lu-182



41

Incident Energy (MeV)

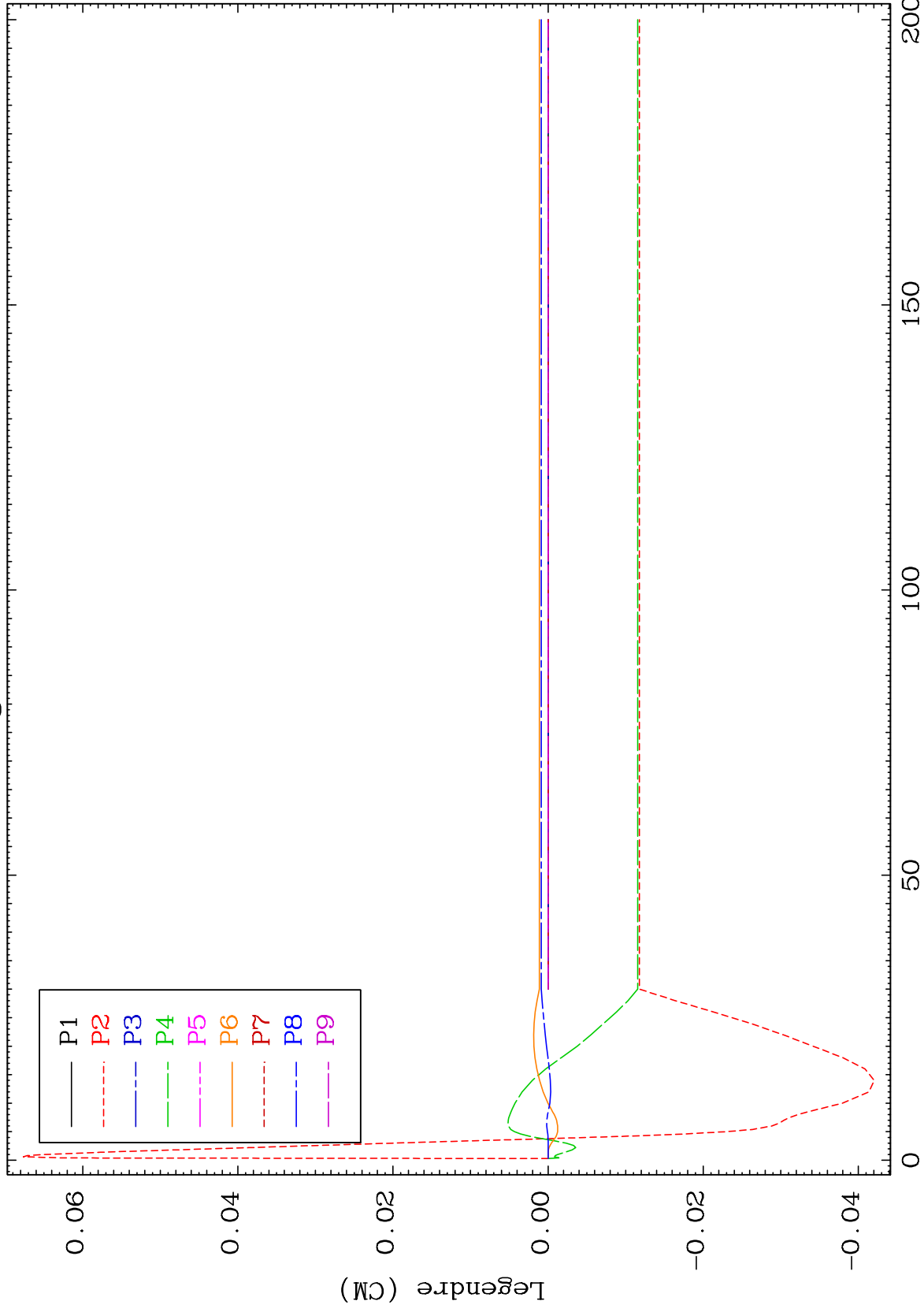
71-Lu-182



MAT 7146

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

71-Lu-182



43

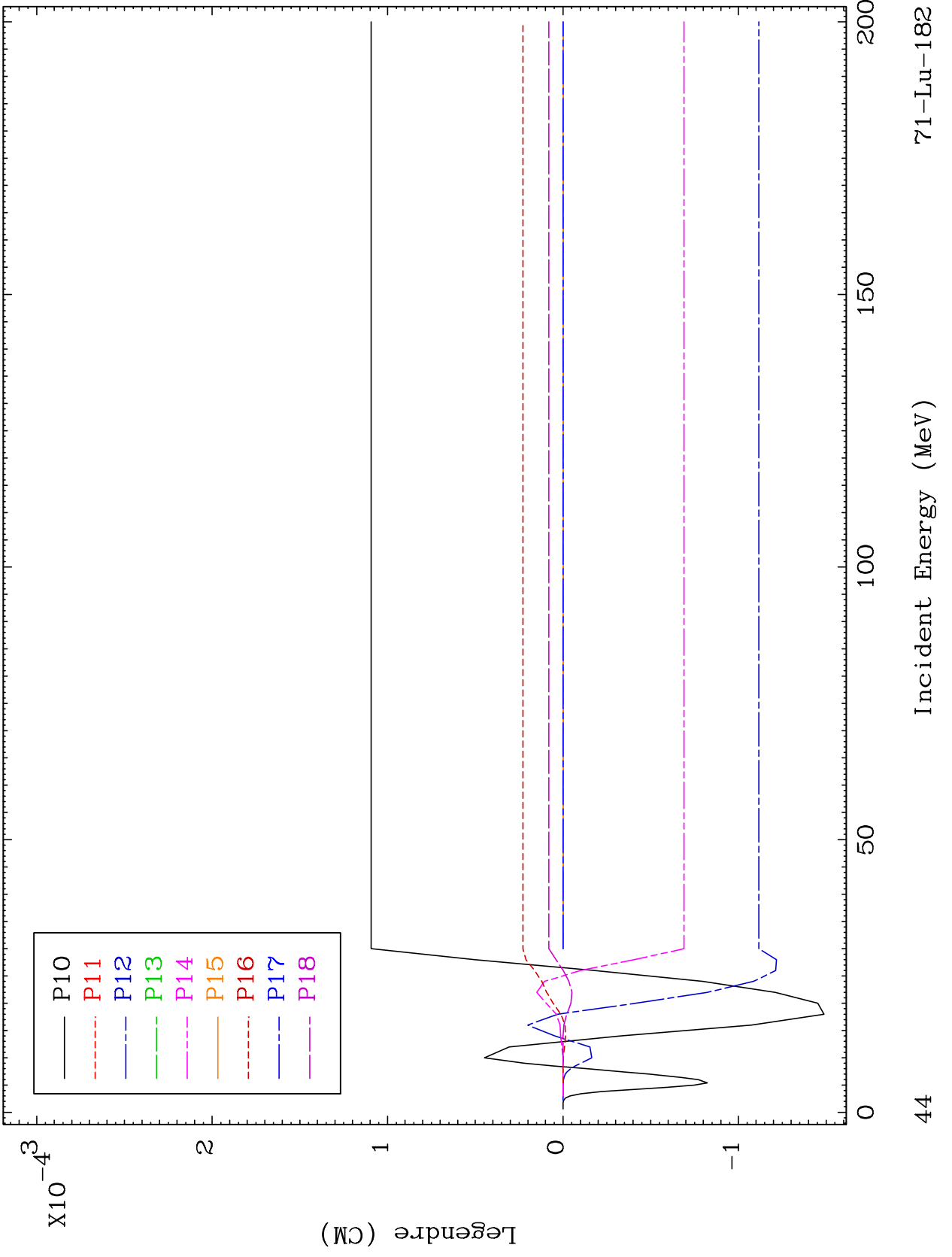
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

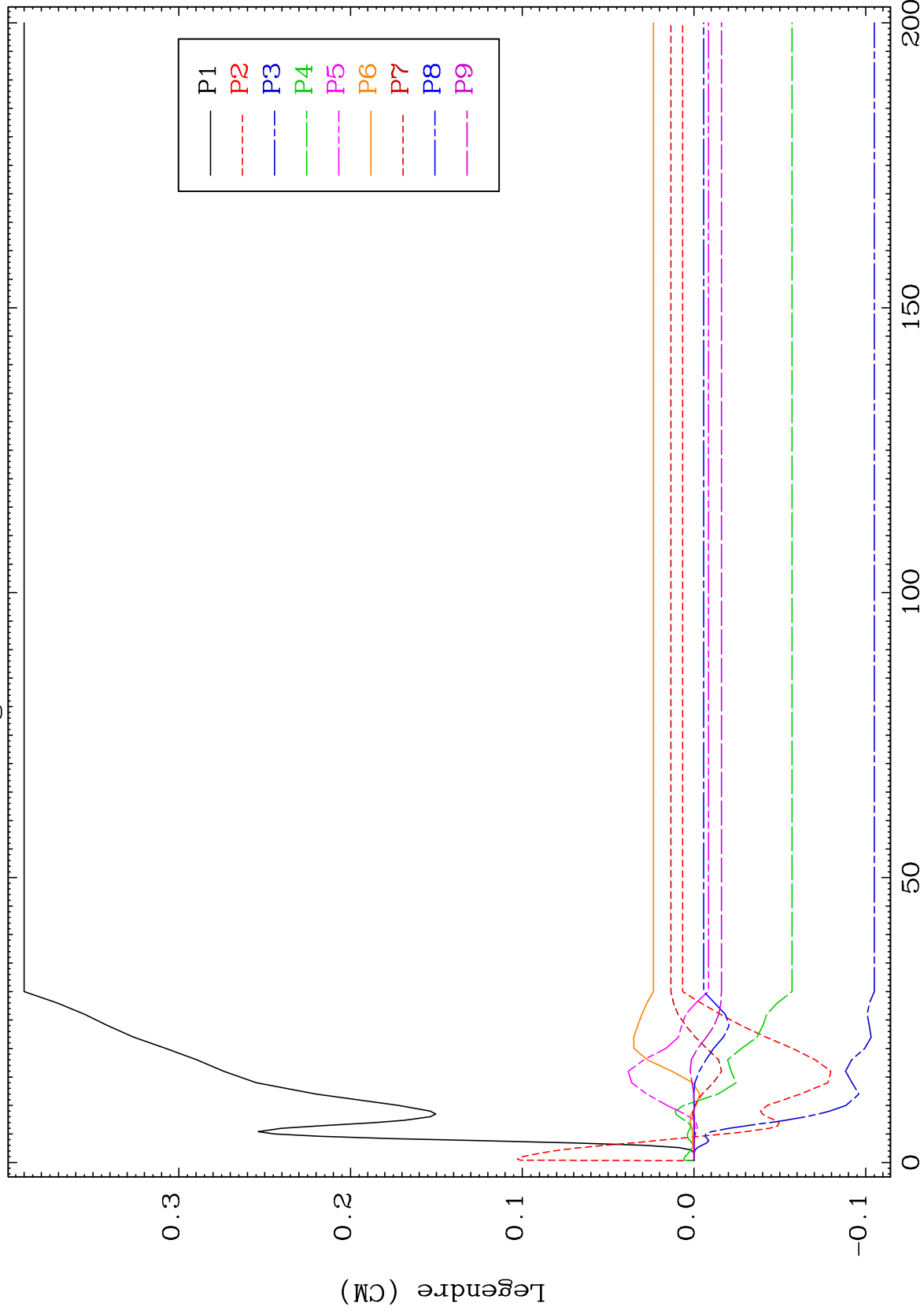
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MAT 7146

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

71-Lu-182



46

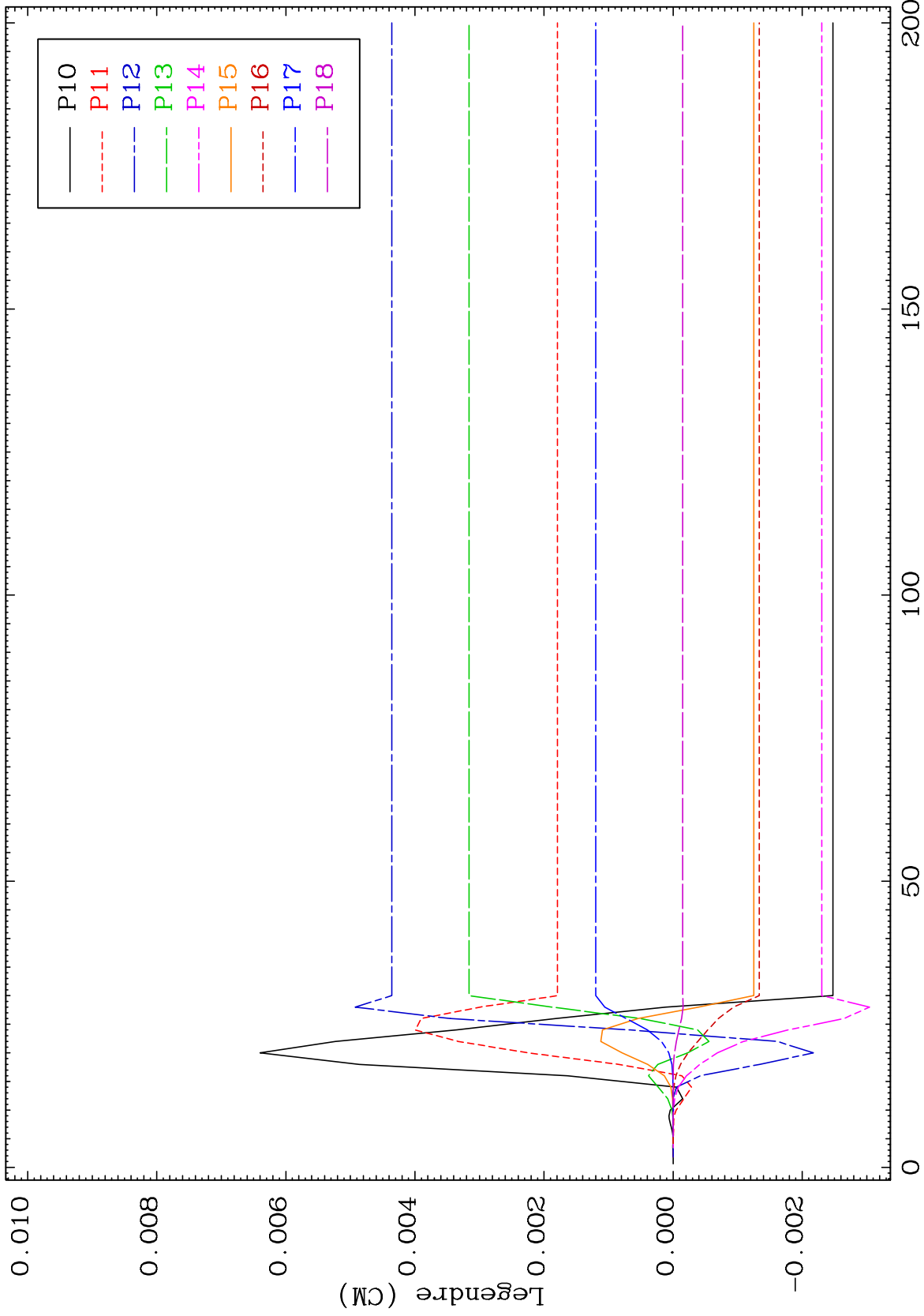
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



47

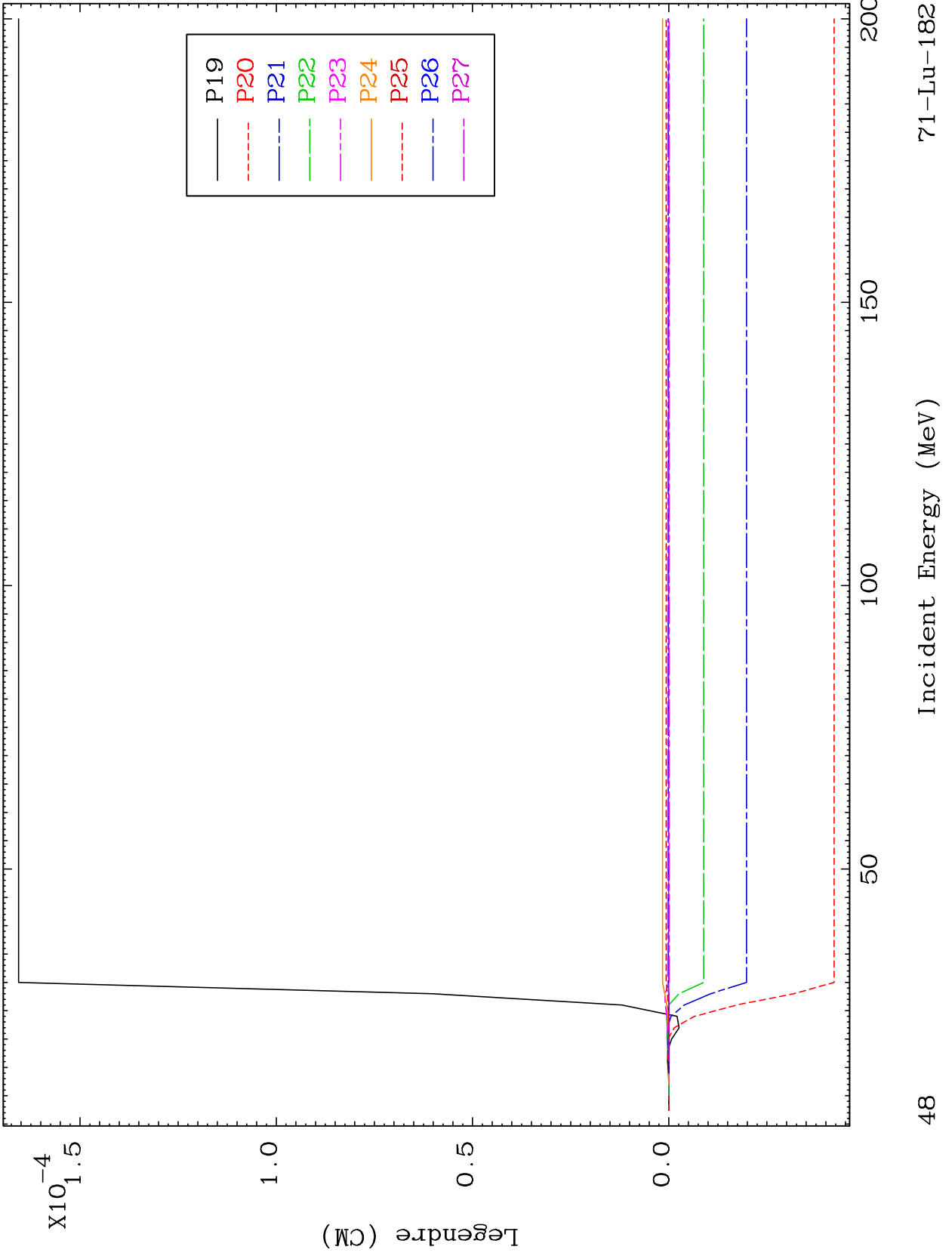
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



48

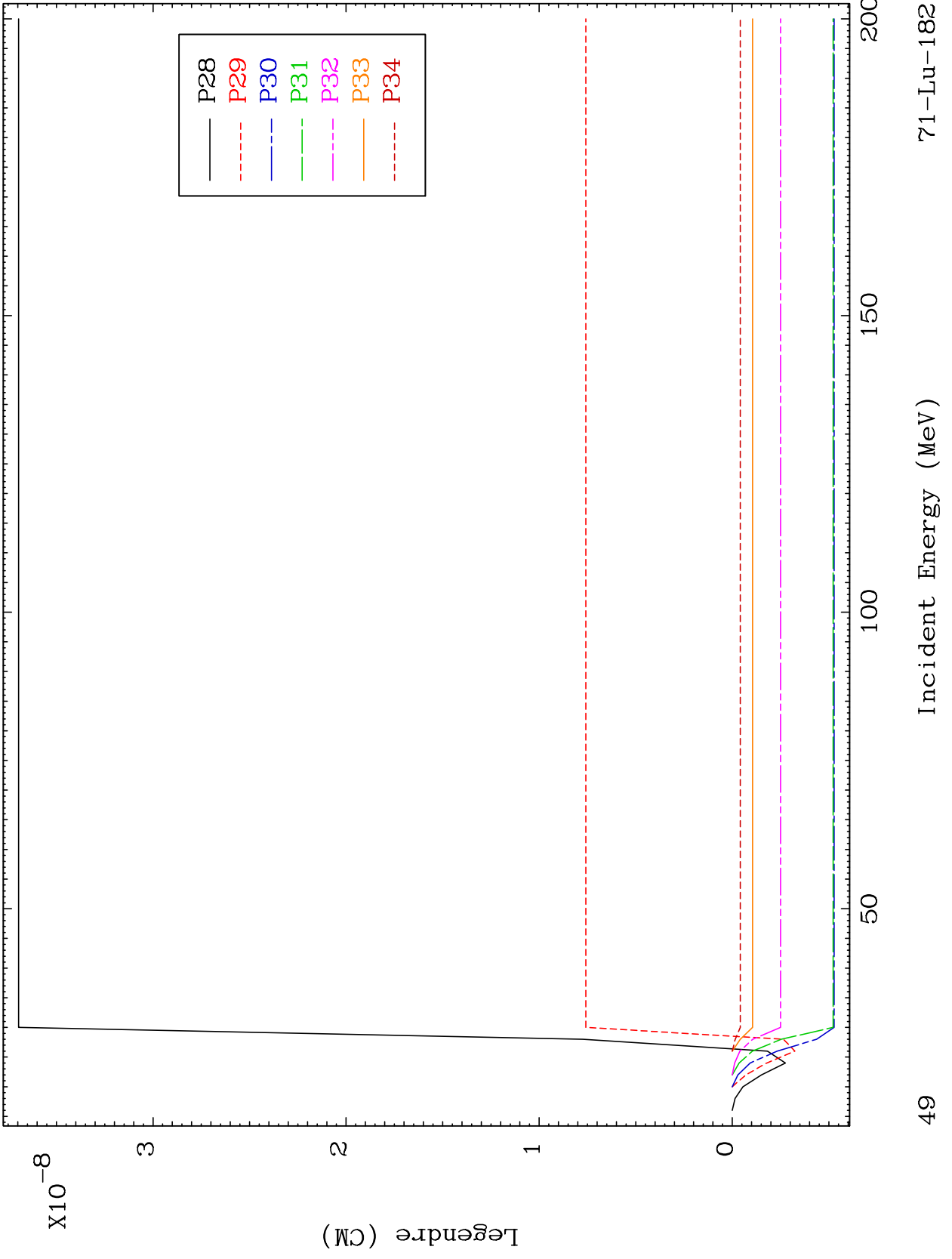
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

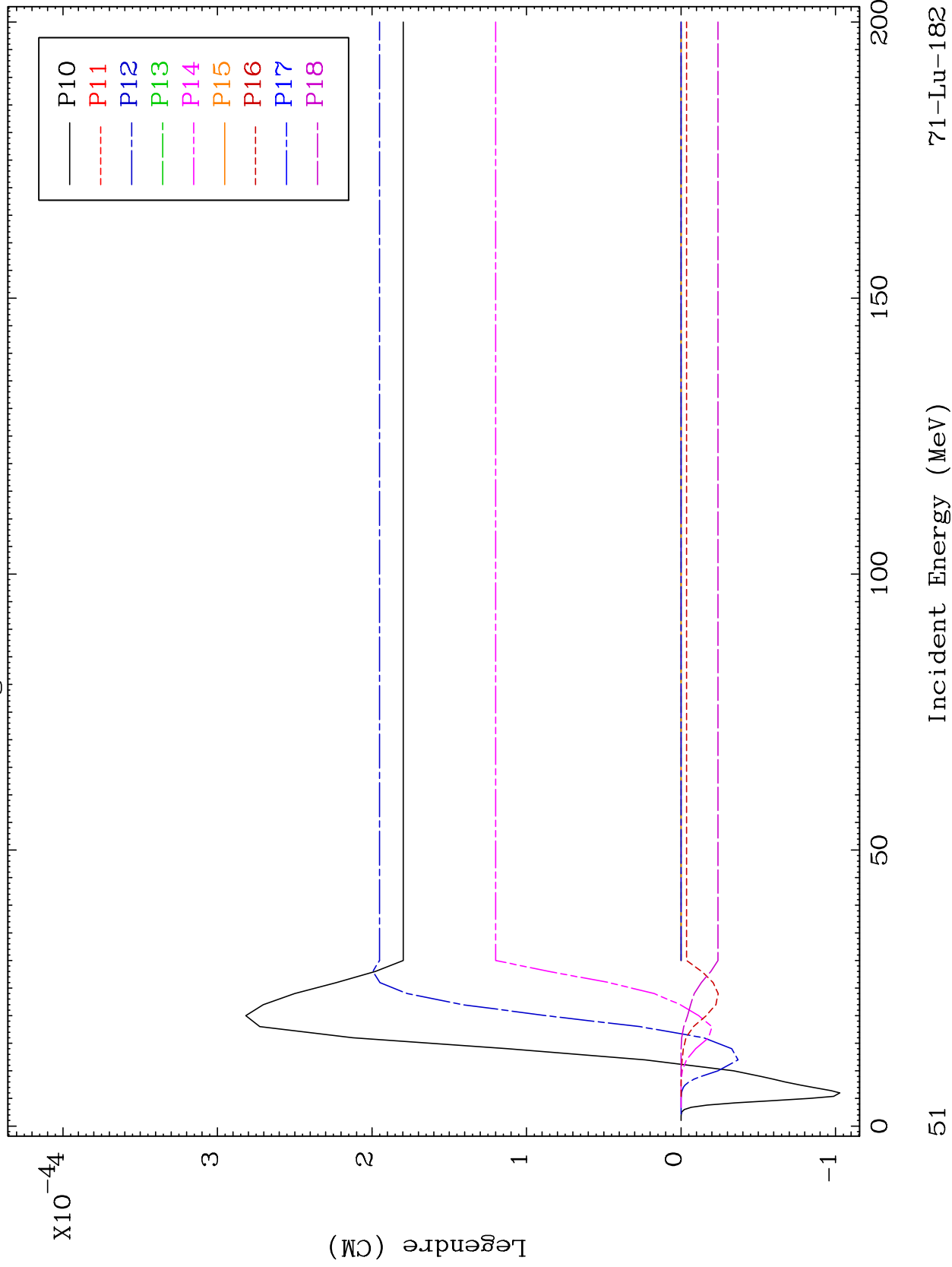
71-Lu-182



MAT 7146

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

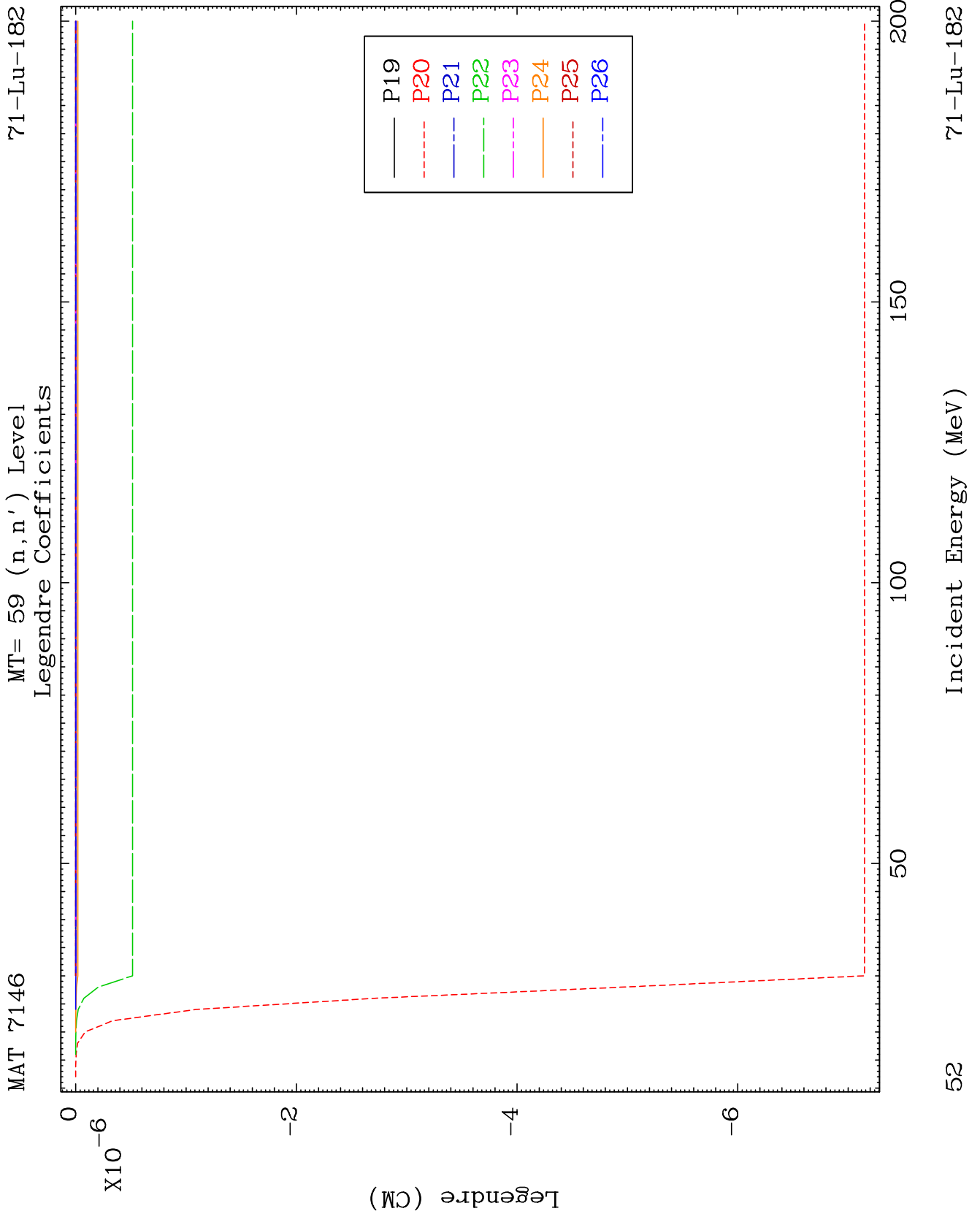
71-Lu-182



71-Lu-182

Incident Energy (MeV)

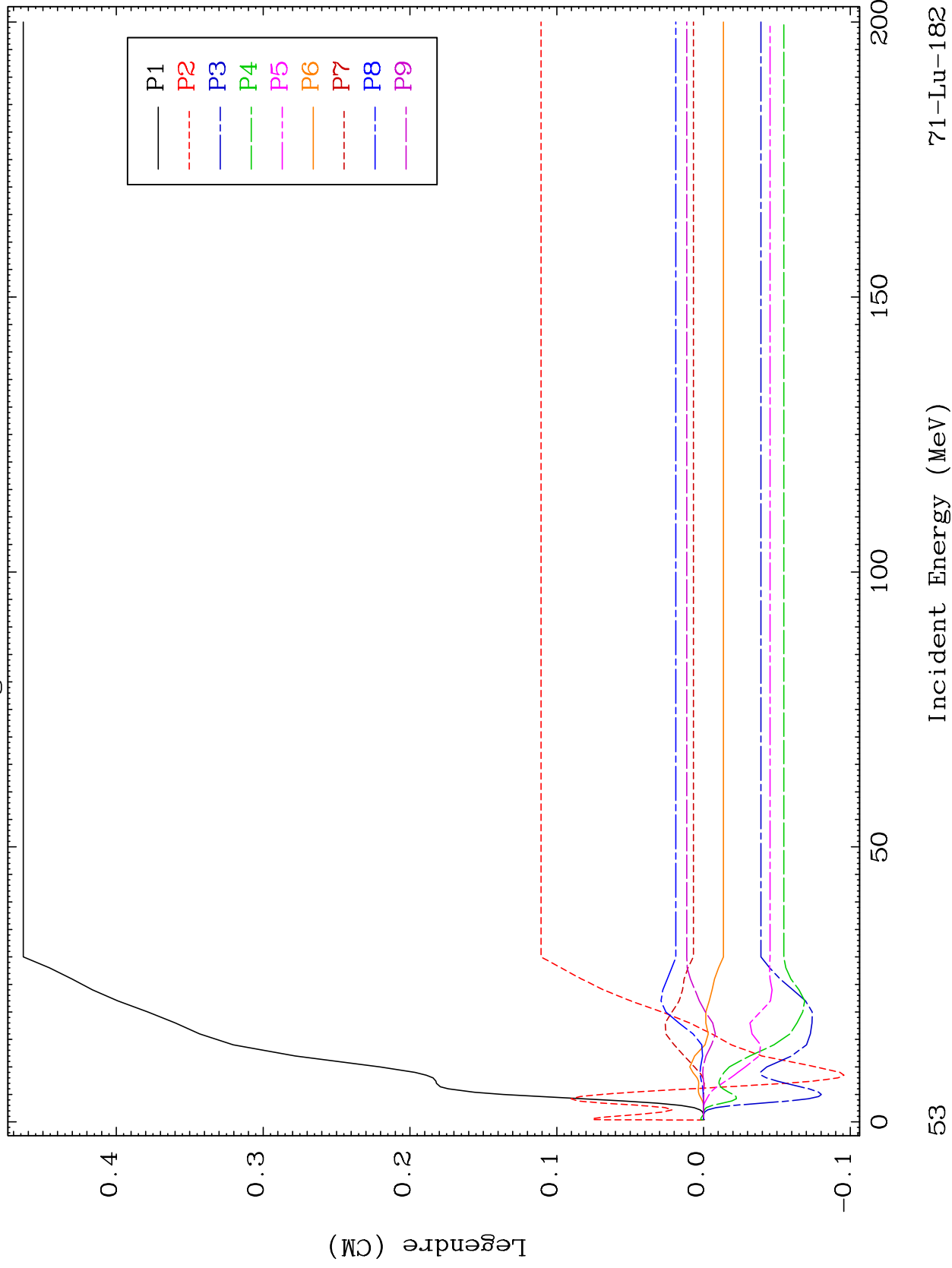
51



MAT 7146

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

71-Lu-182



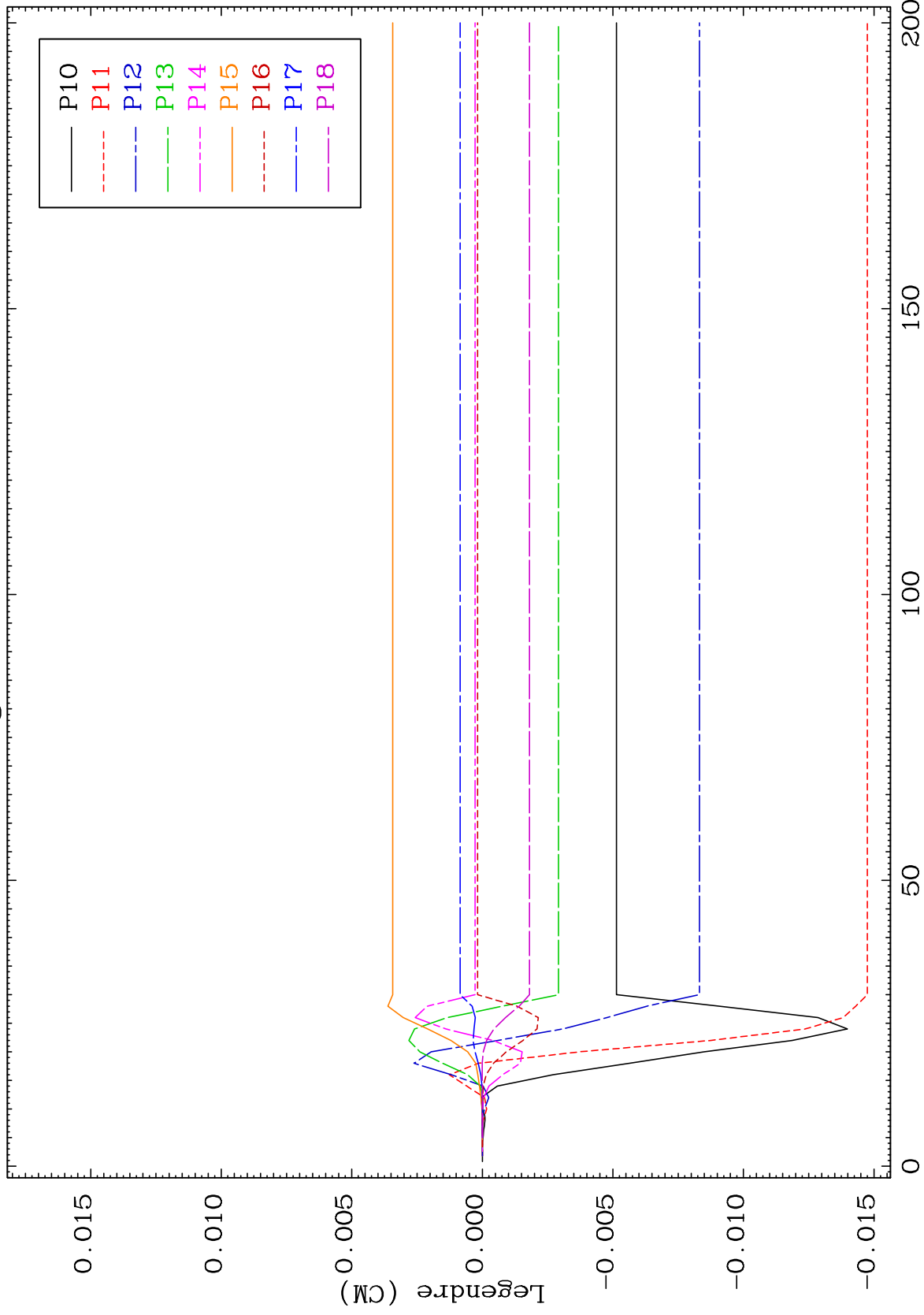
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71-Lu-182

MAT 7146

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

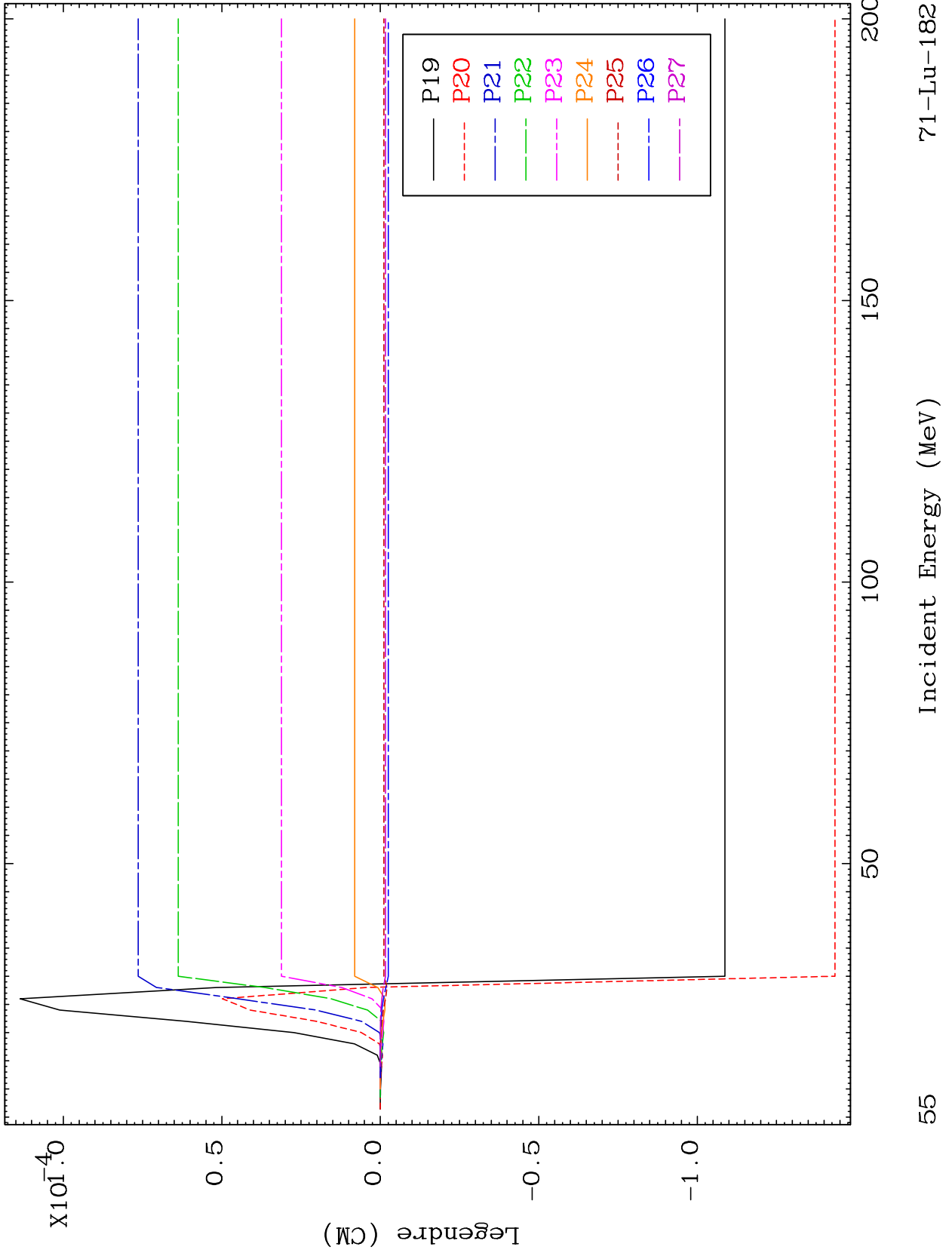
71-Lu-182



54

Incident Energy (MeV)

71-Lu-182

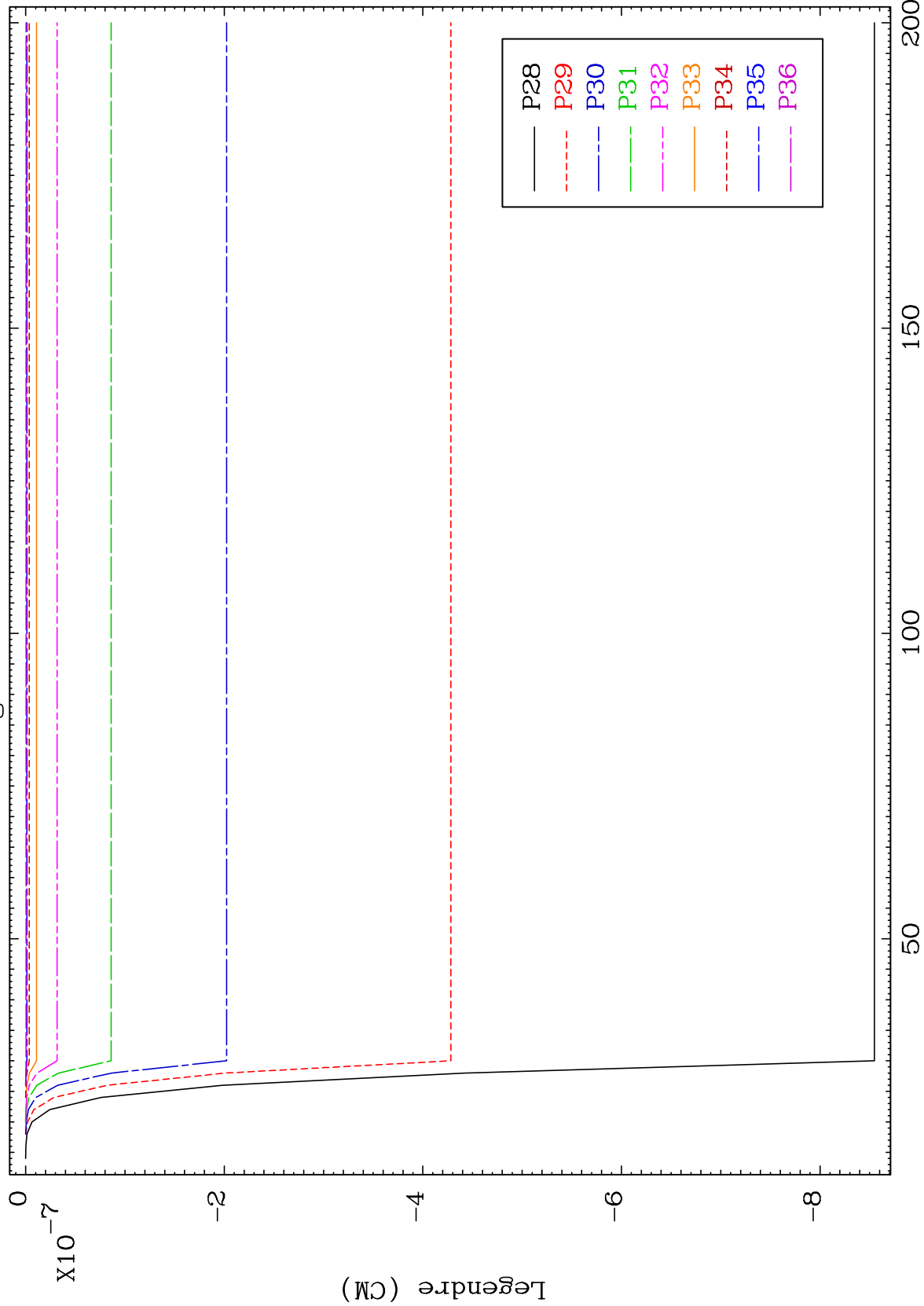


MAT 7146

MT= 60 (n,n') Level

71-Lu-182

Legendre Coefficients



71-Lu-182

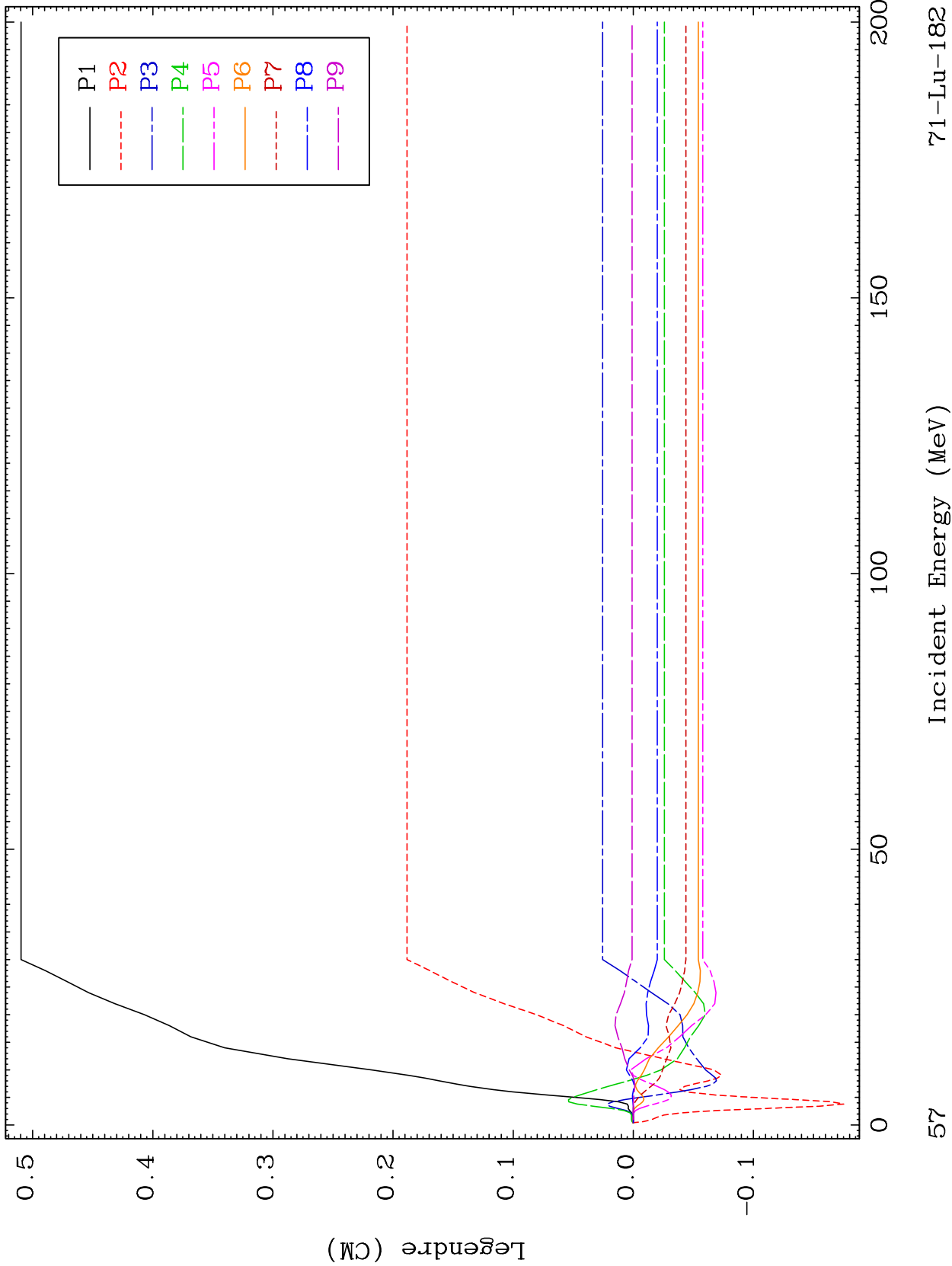
Incident Energy (MeV)

56

MAT 7146

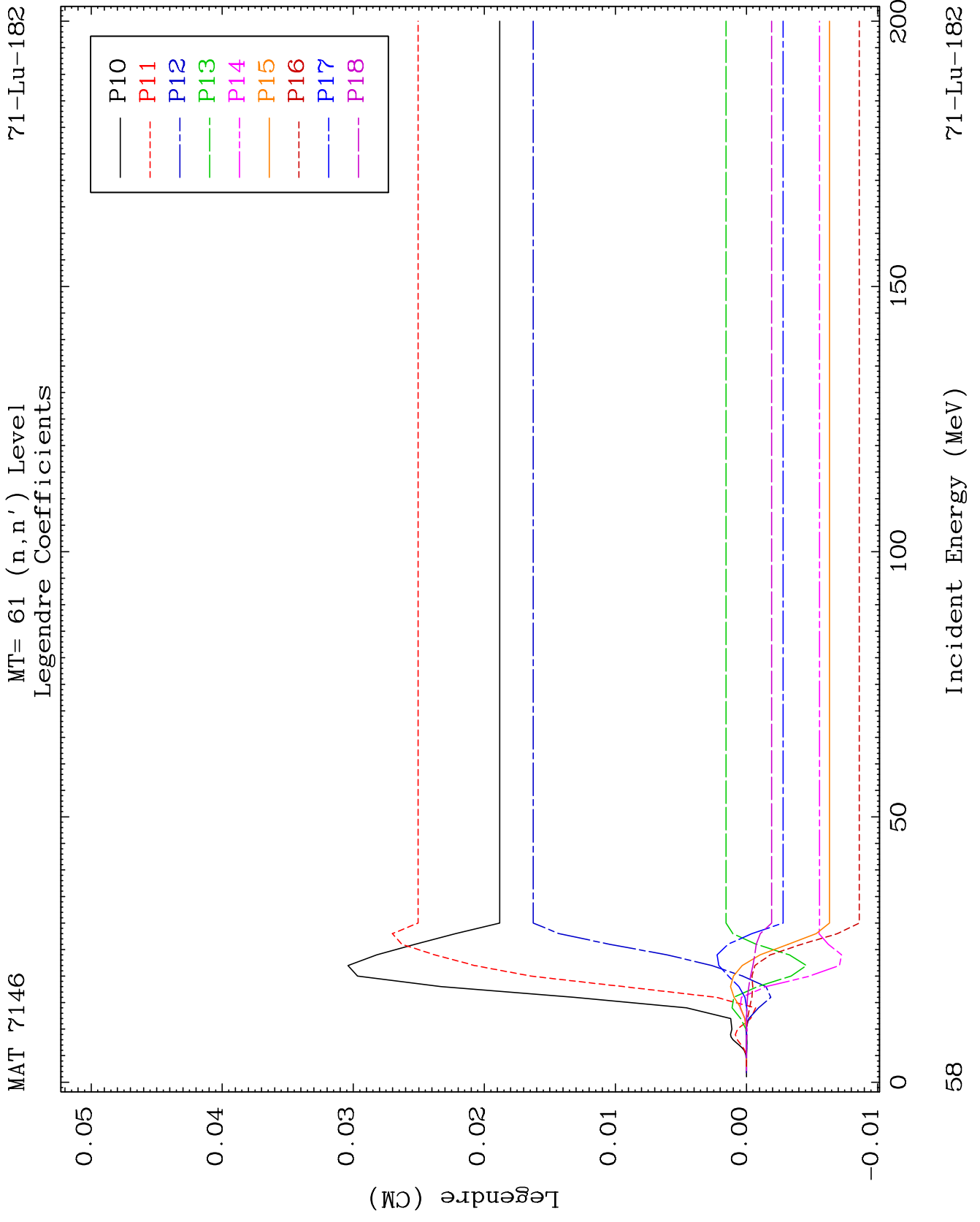
MT= 61 (n,n') Level
Legendre Coefficients

71-Lu-182



57

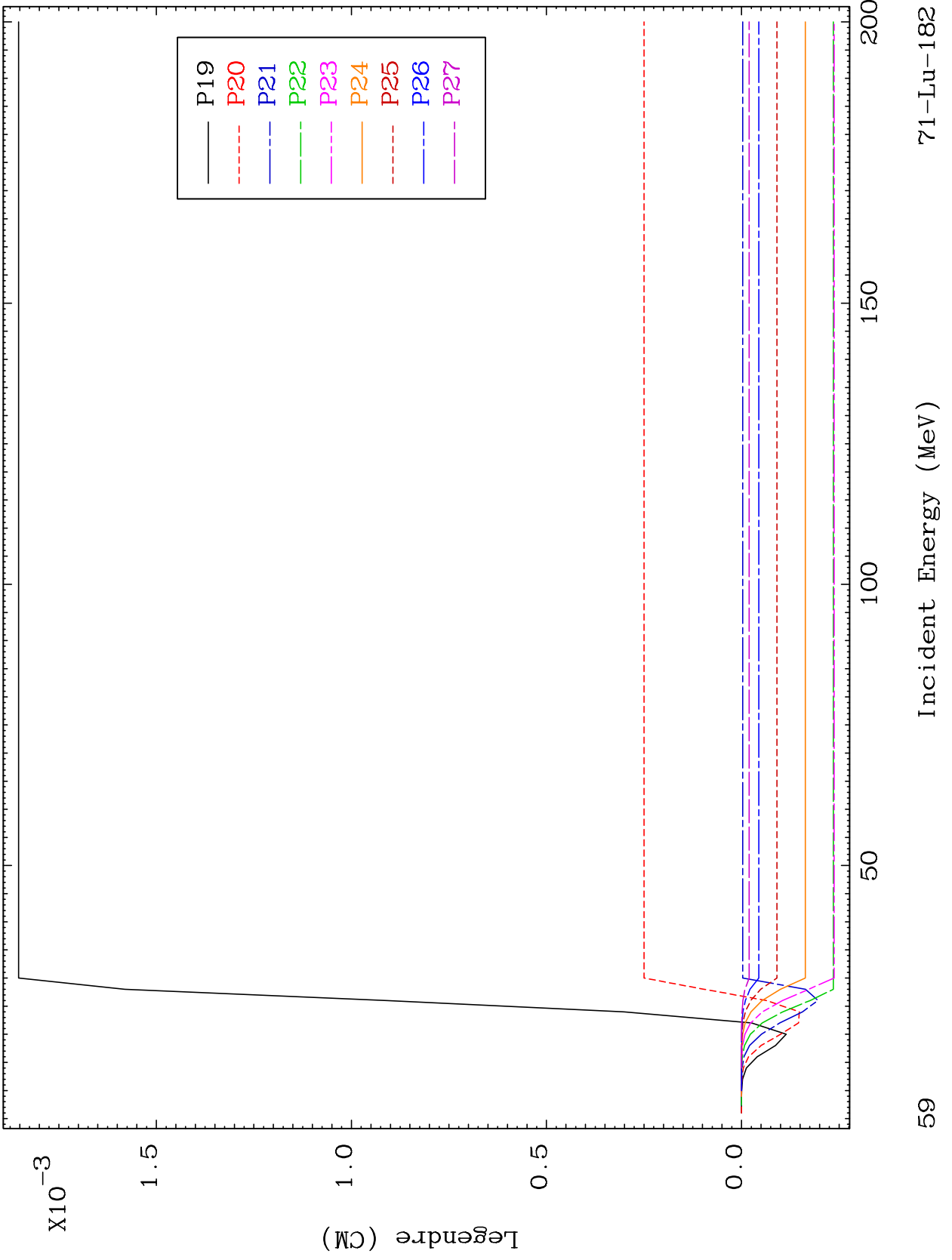
71-Lu-182



MAT 7146

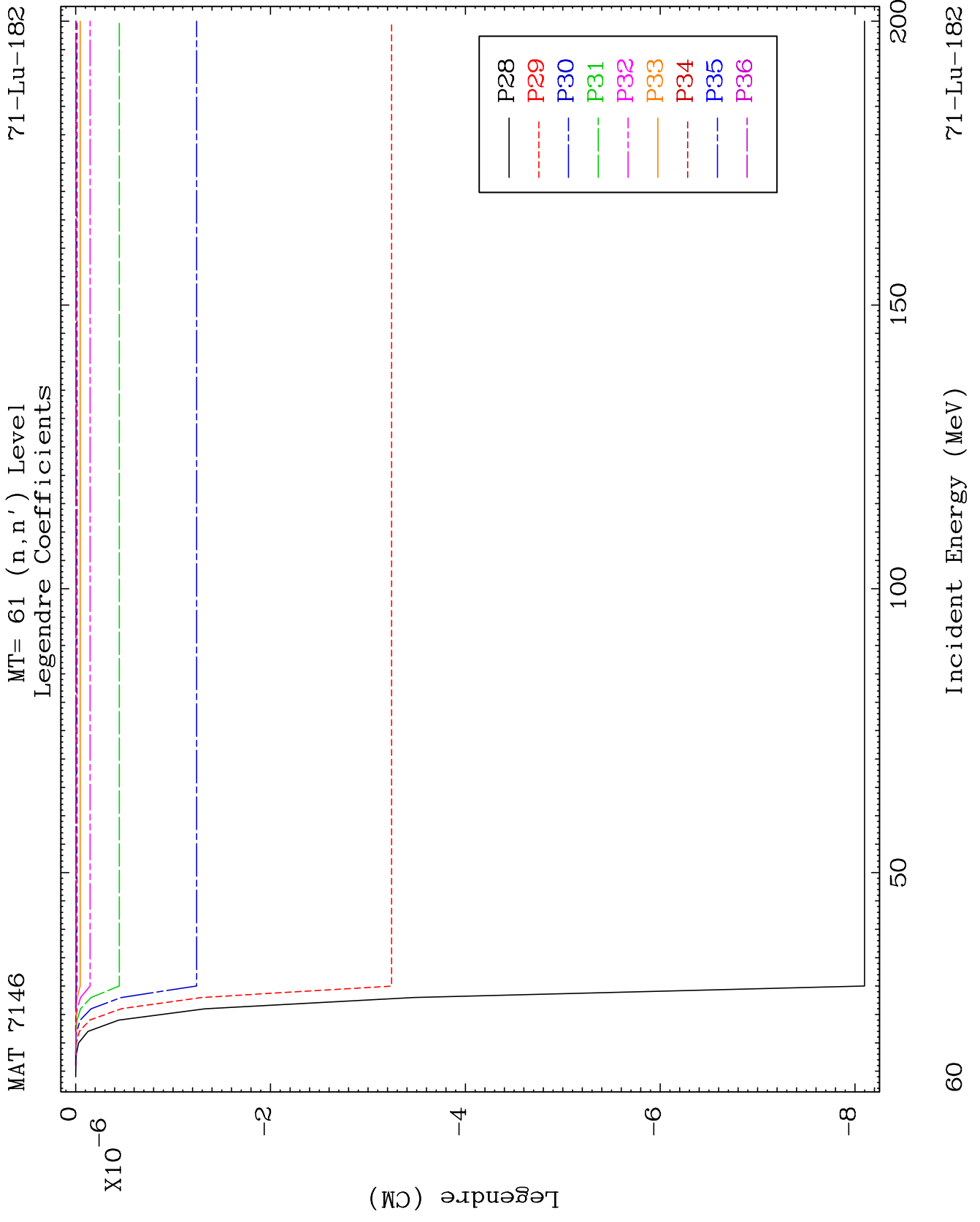
MT= 61 (n,n') Level
Legendre Coefficients

71-Lu-182



59

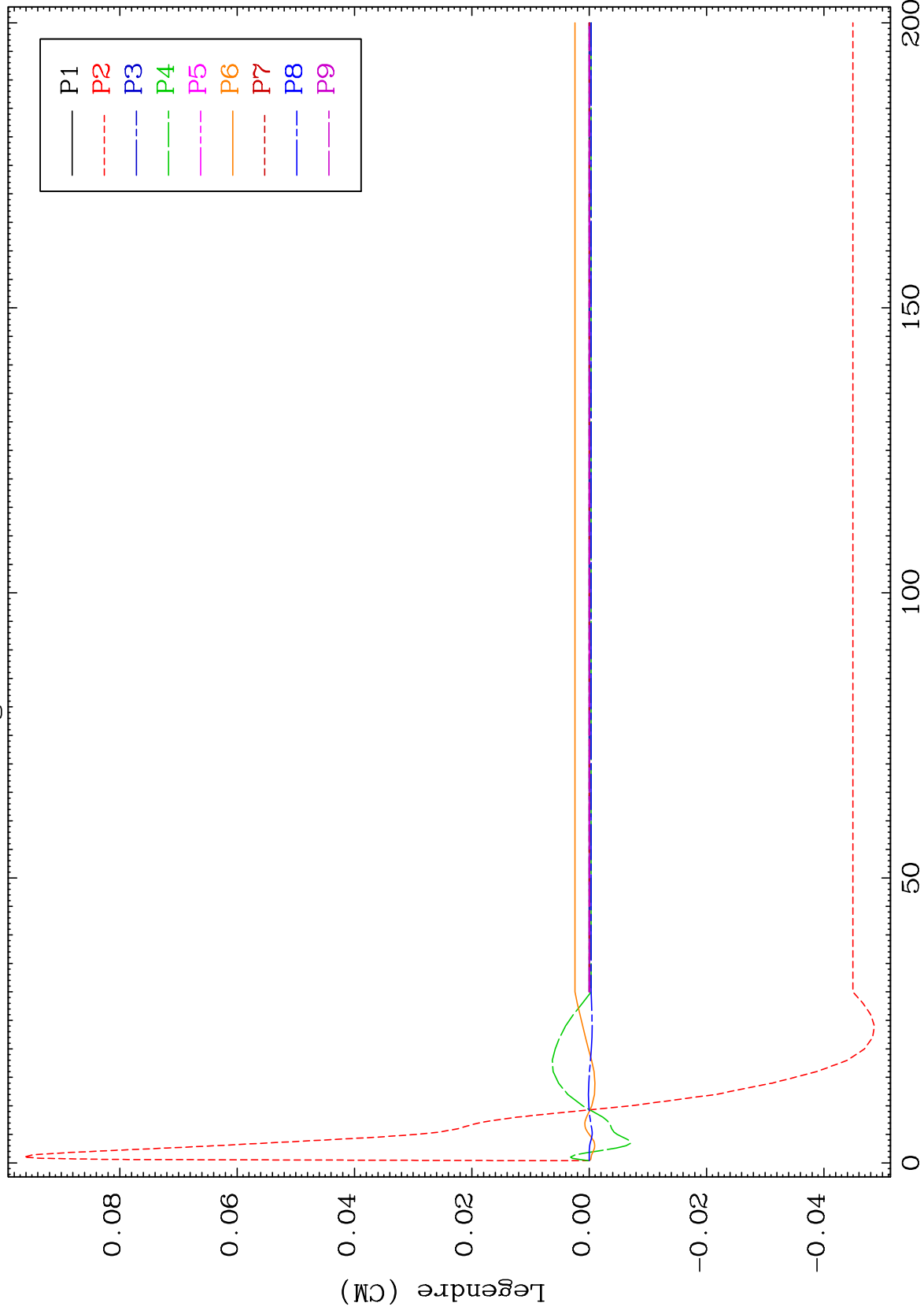
71-Lu-182



MAT 7146

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

71-Lu-182



61

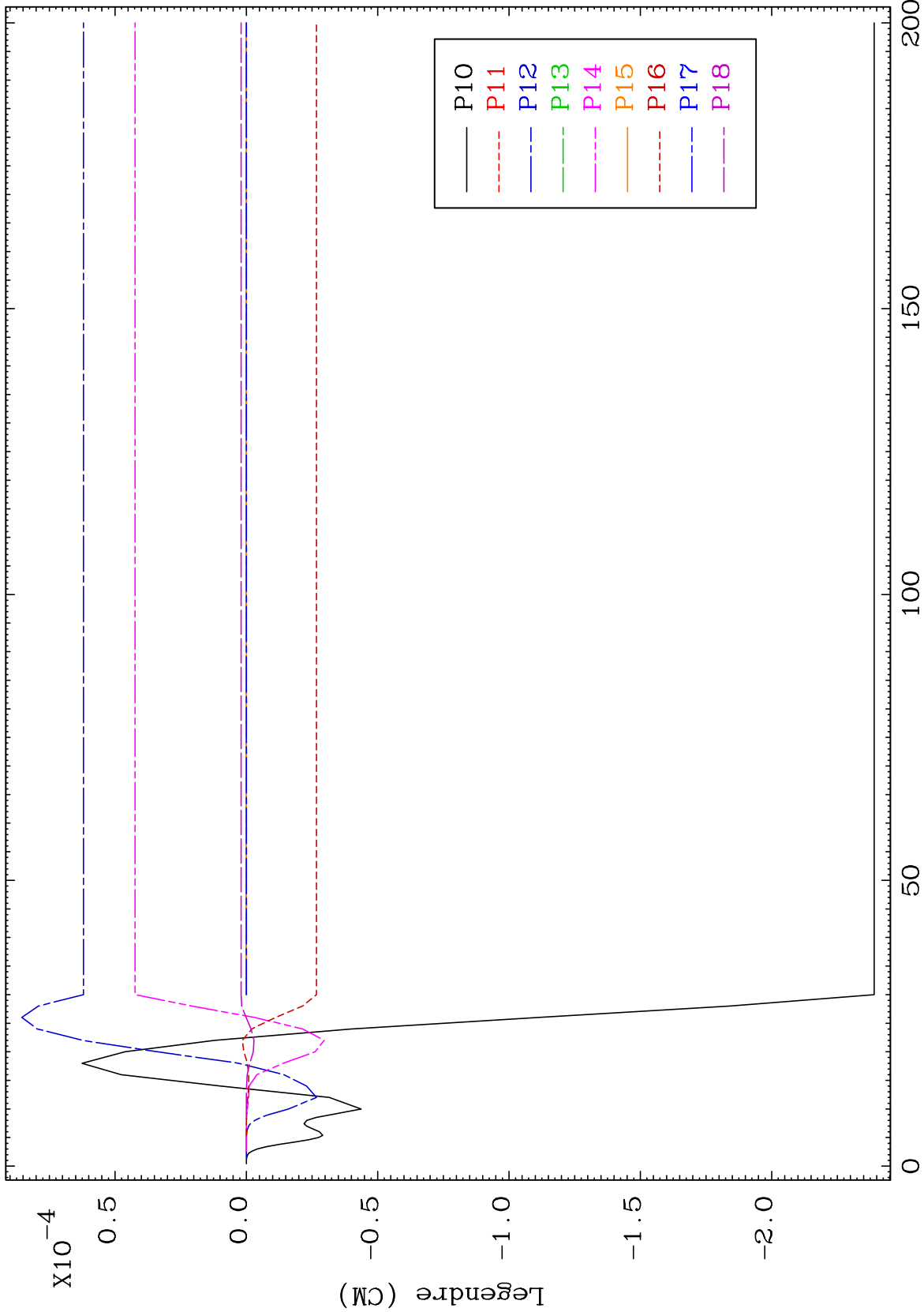
71-Lu-182

71-Lu-182

MAT 7146

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

71-Lu-182



62

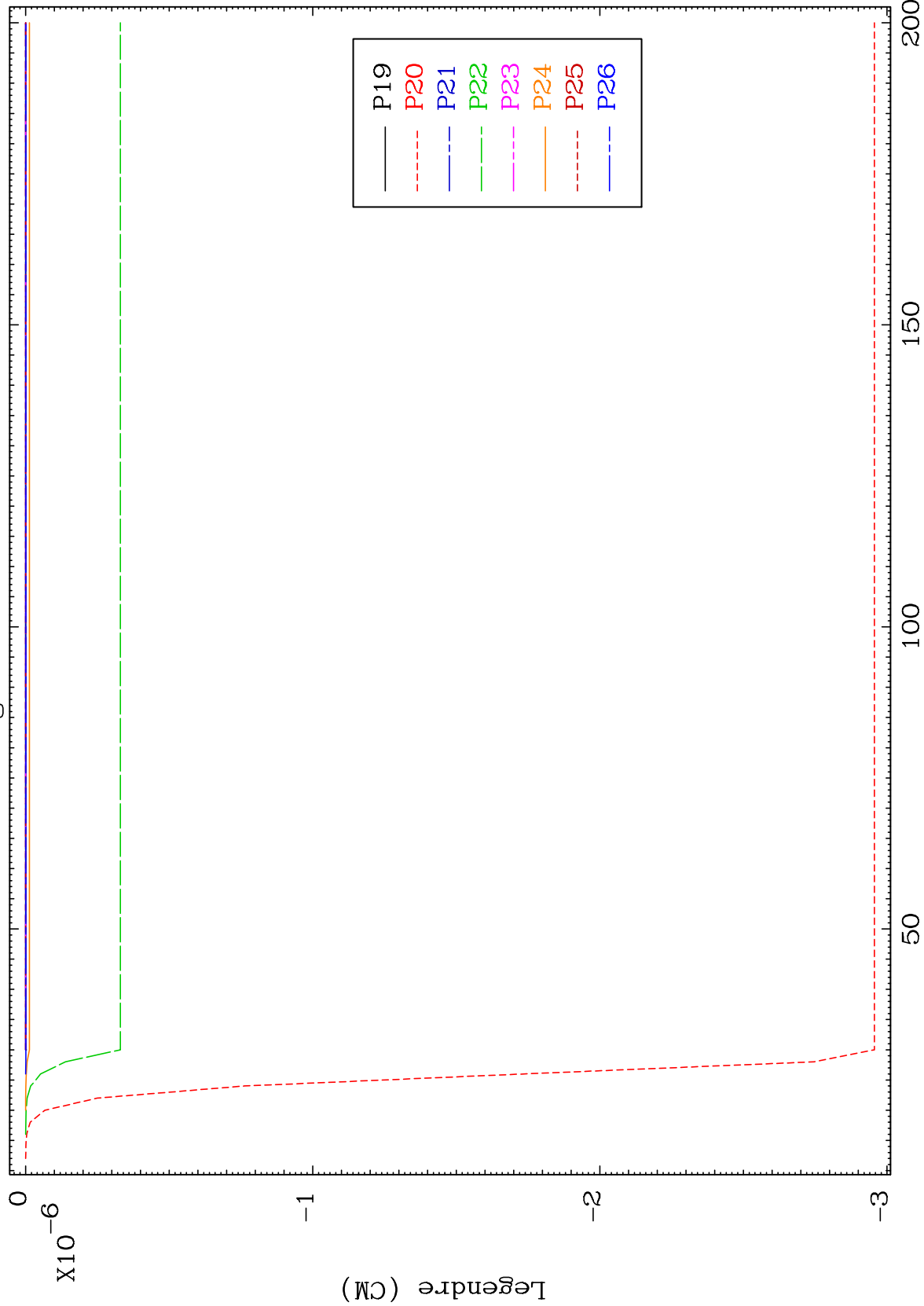
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



63

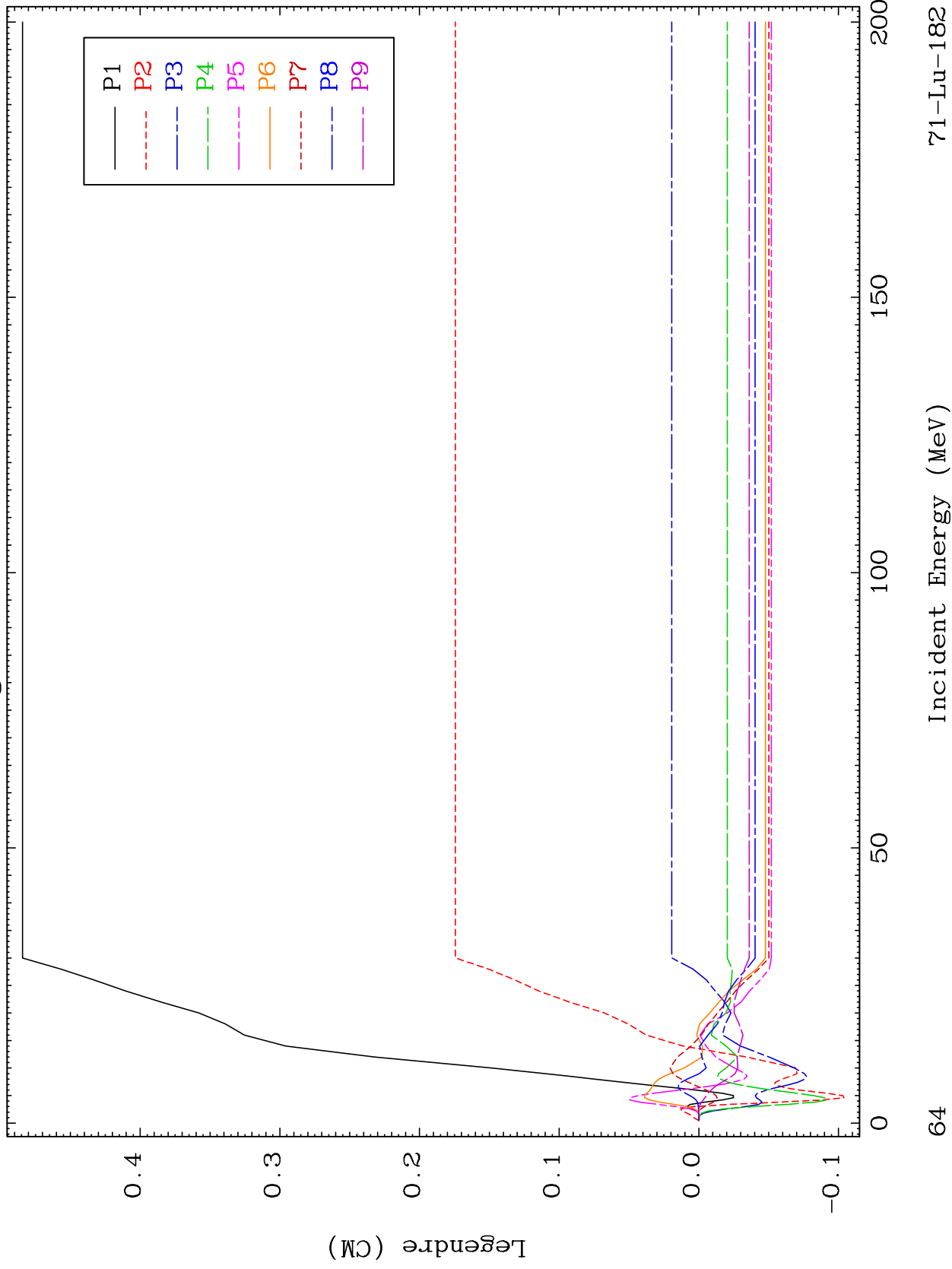
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



71-Lu-182

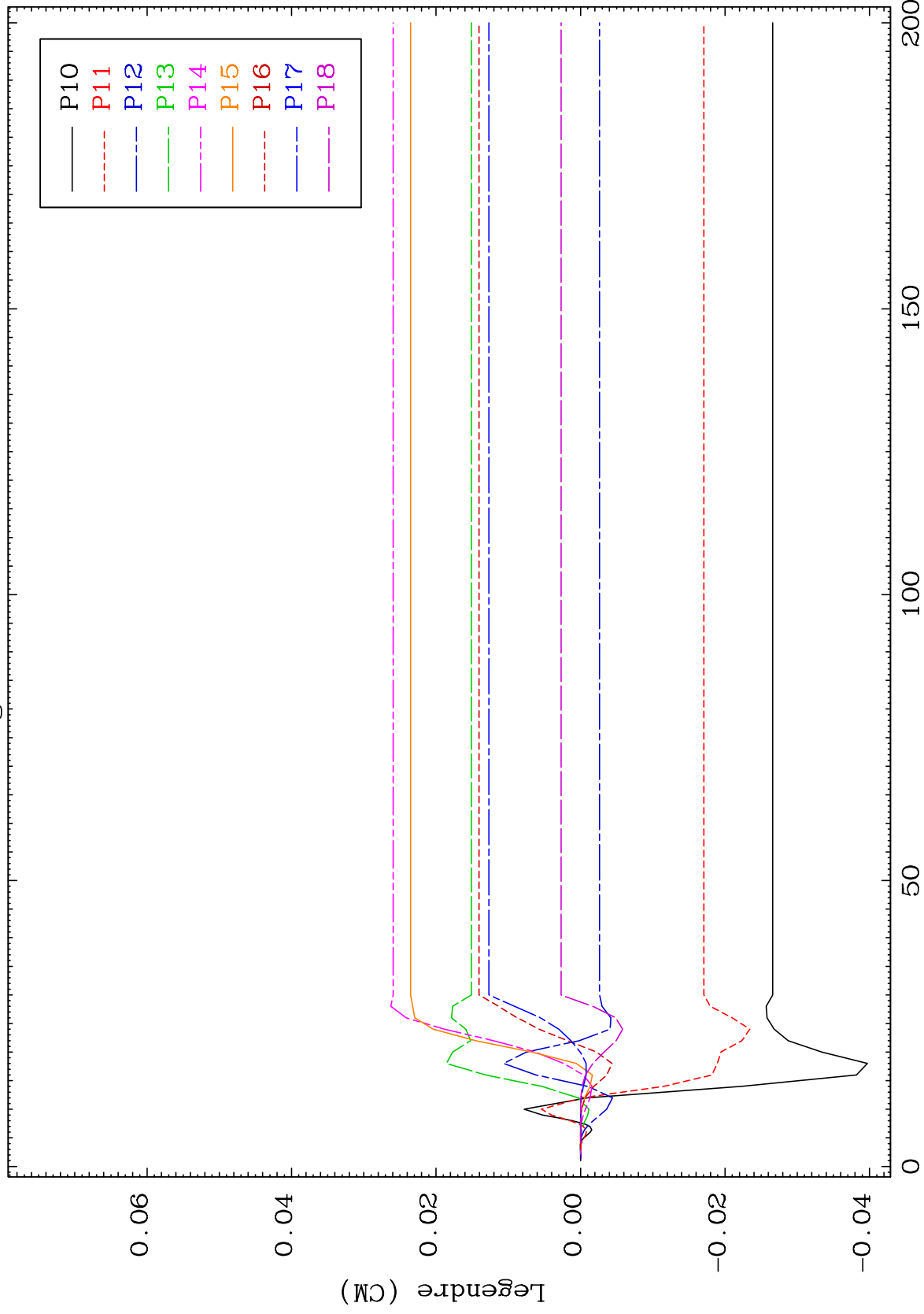
Incident Energy (MeV)

64

MAT 7146

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

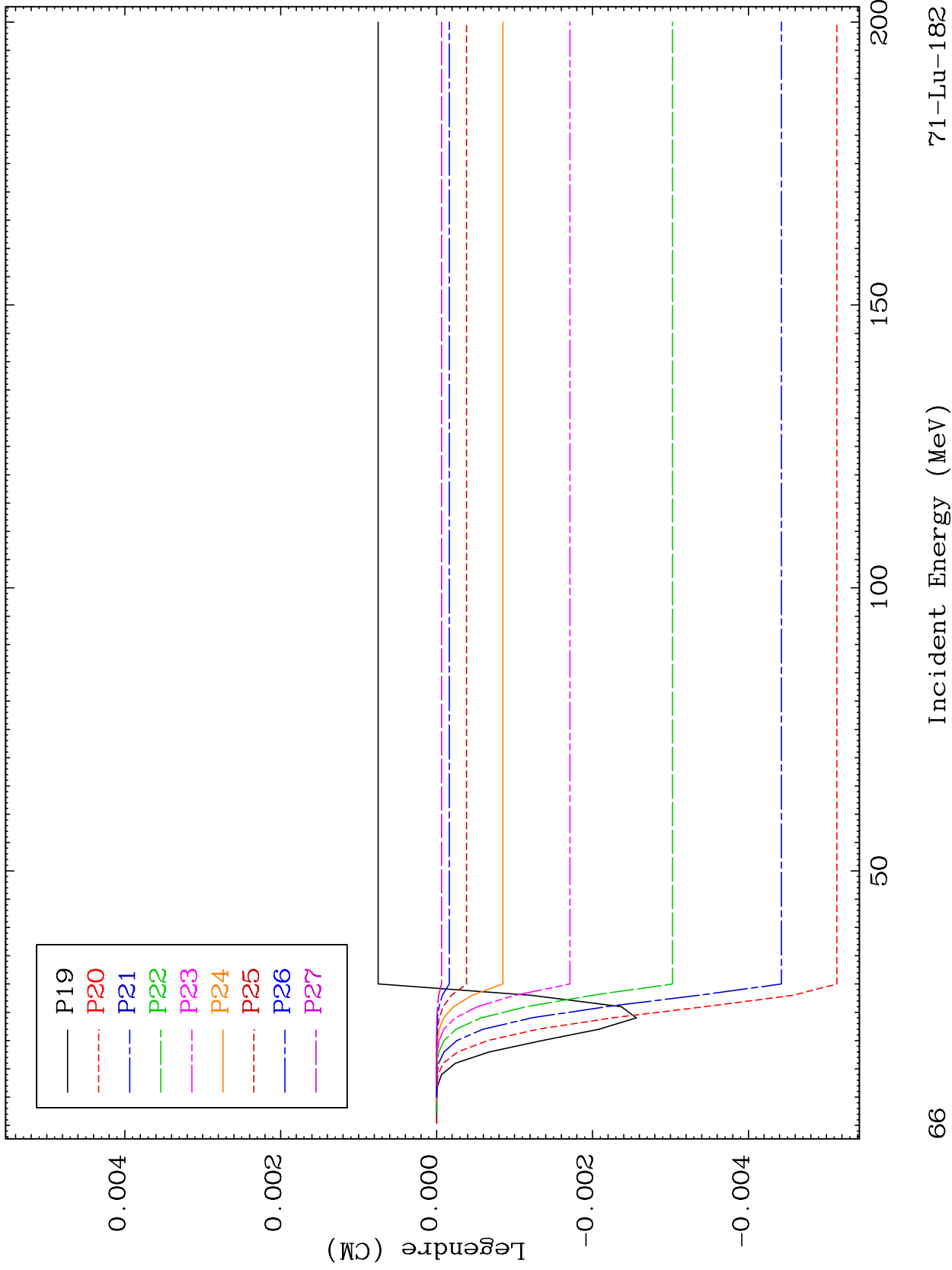
71-Lu-182

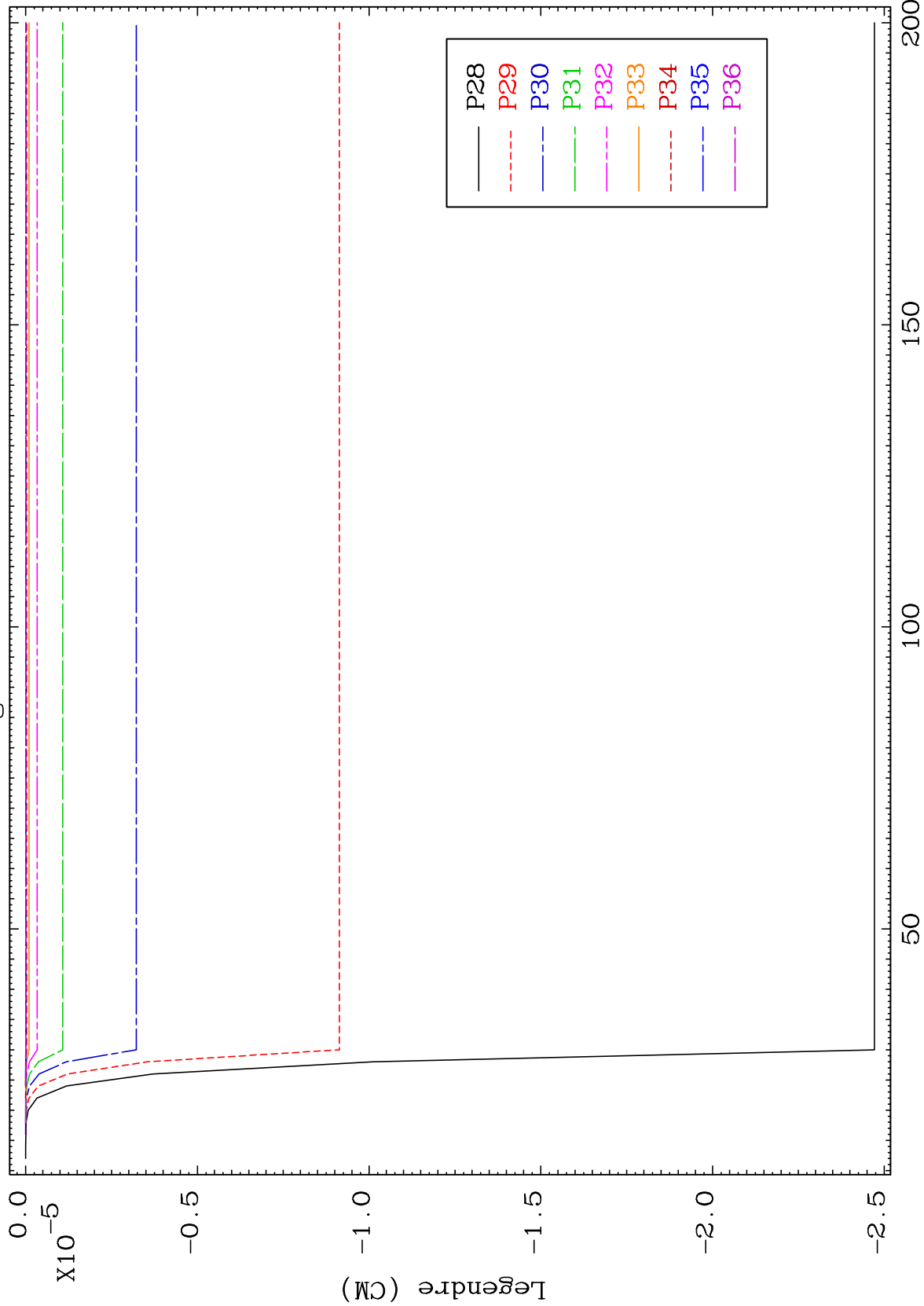


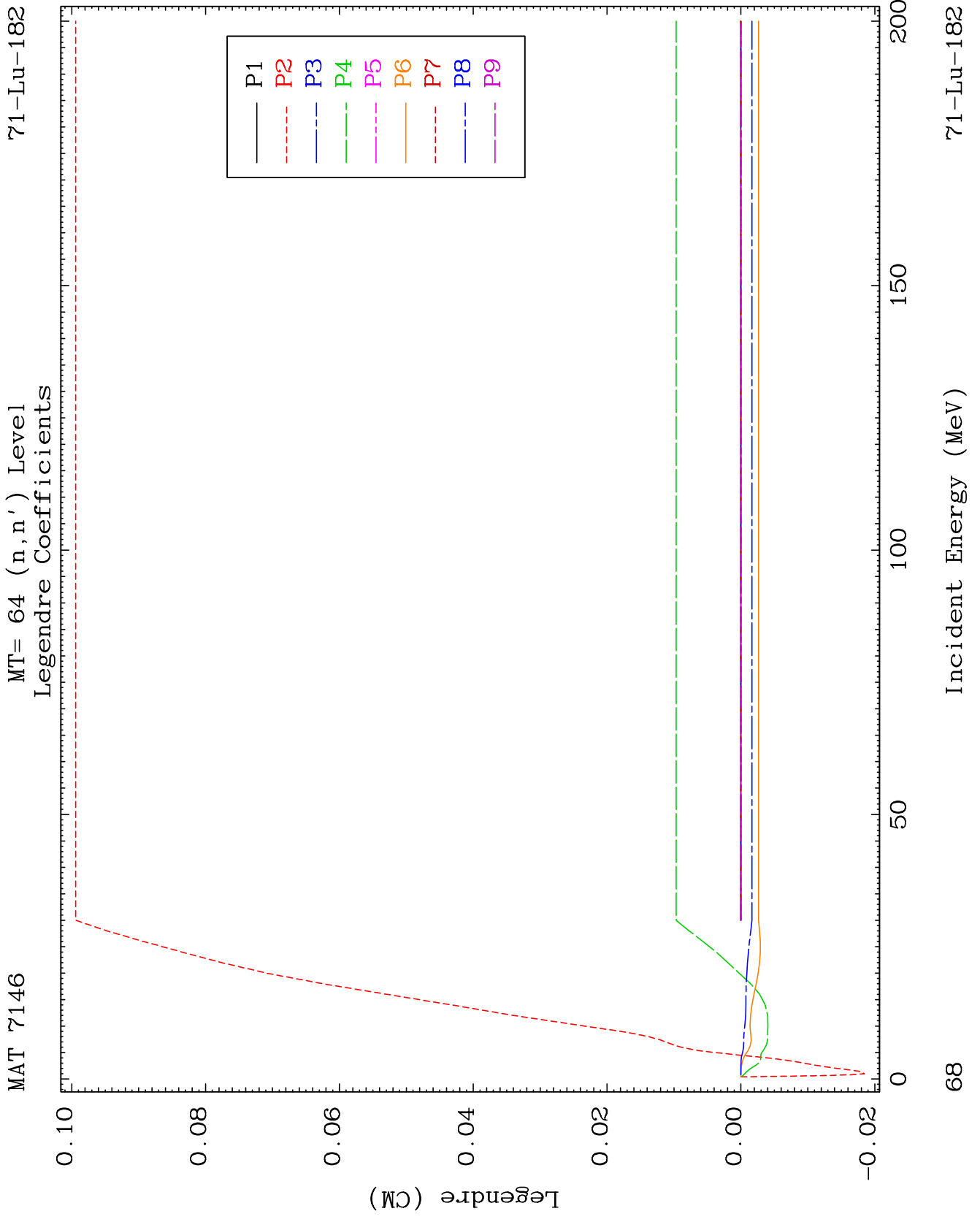
65

Incident Energy (MeV)

71-Lu-182



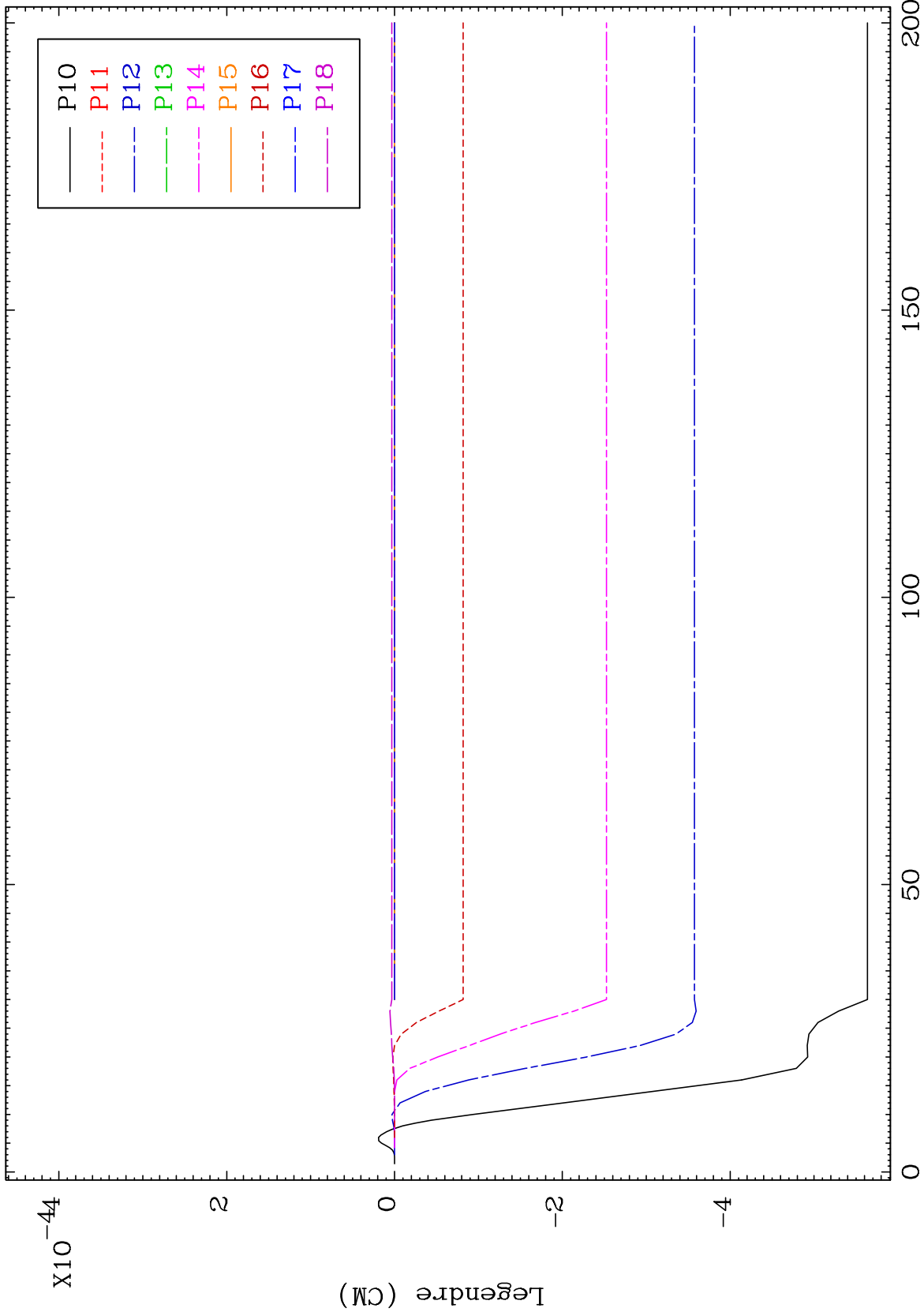




MAT 7146

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

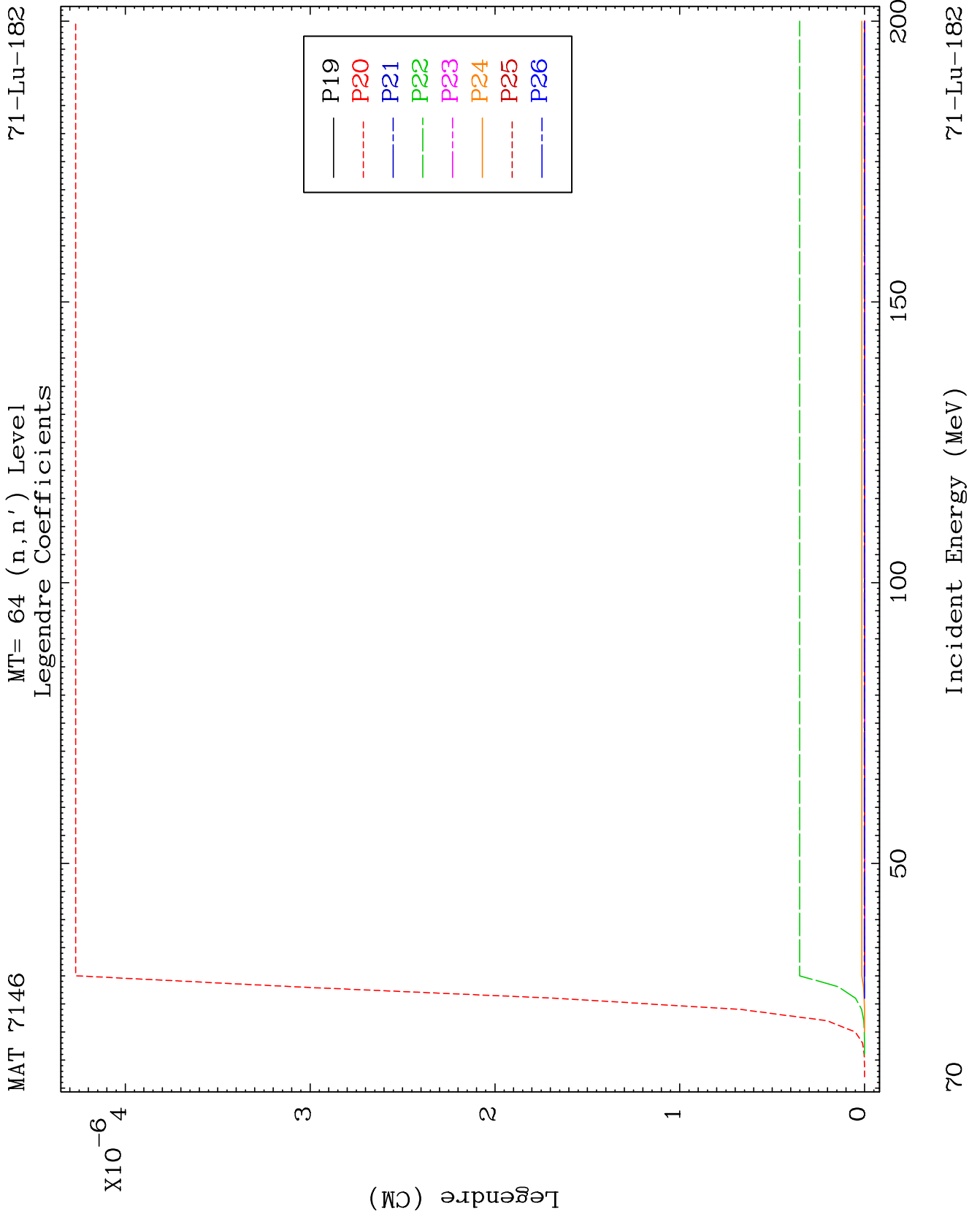
71-Lu-182



69

Incident Energy (MeV)

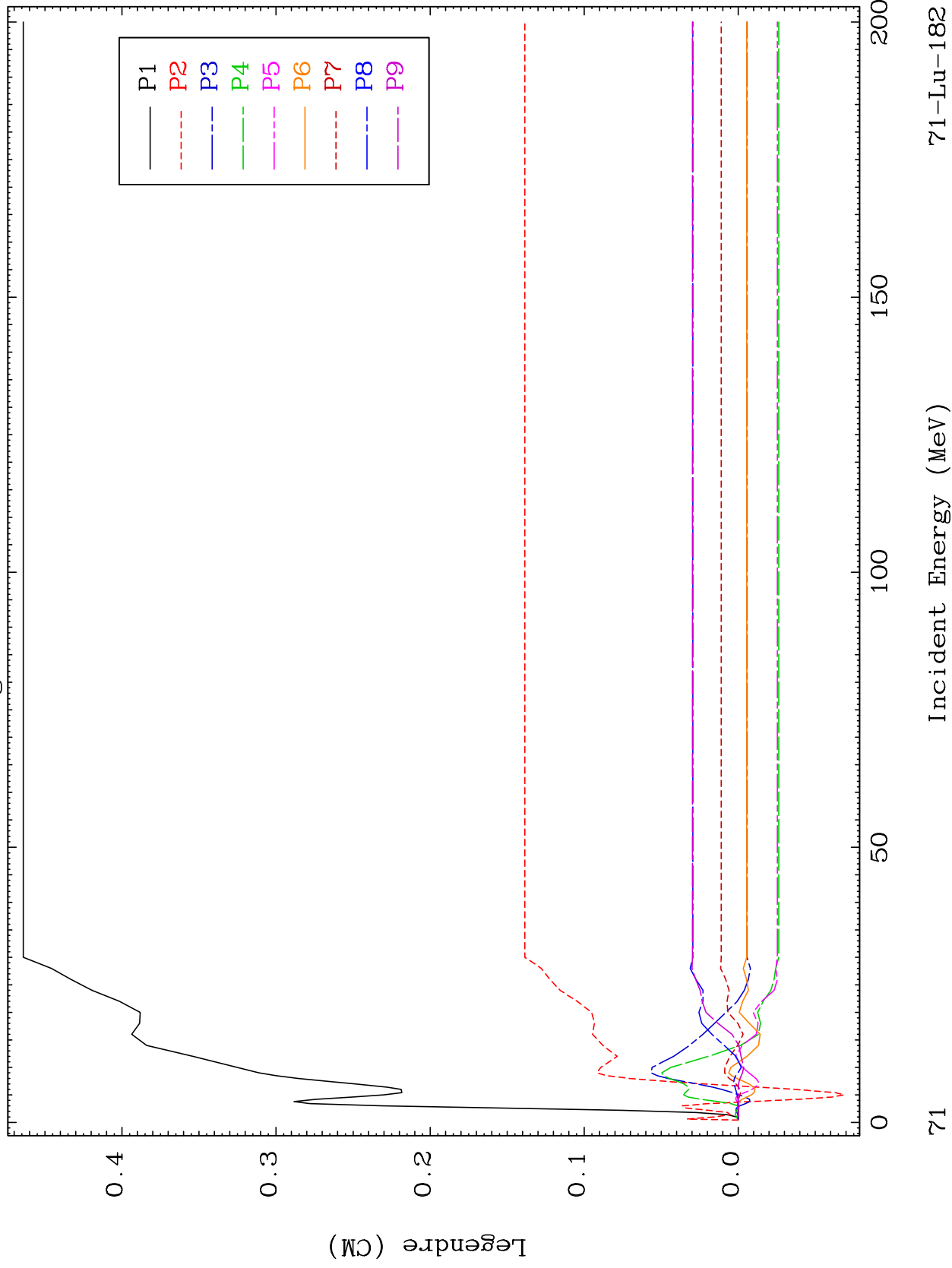
71-Lu-182



MAT 7146

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

71-Lu-182



71-Lu-182

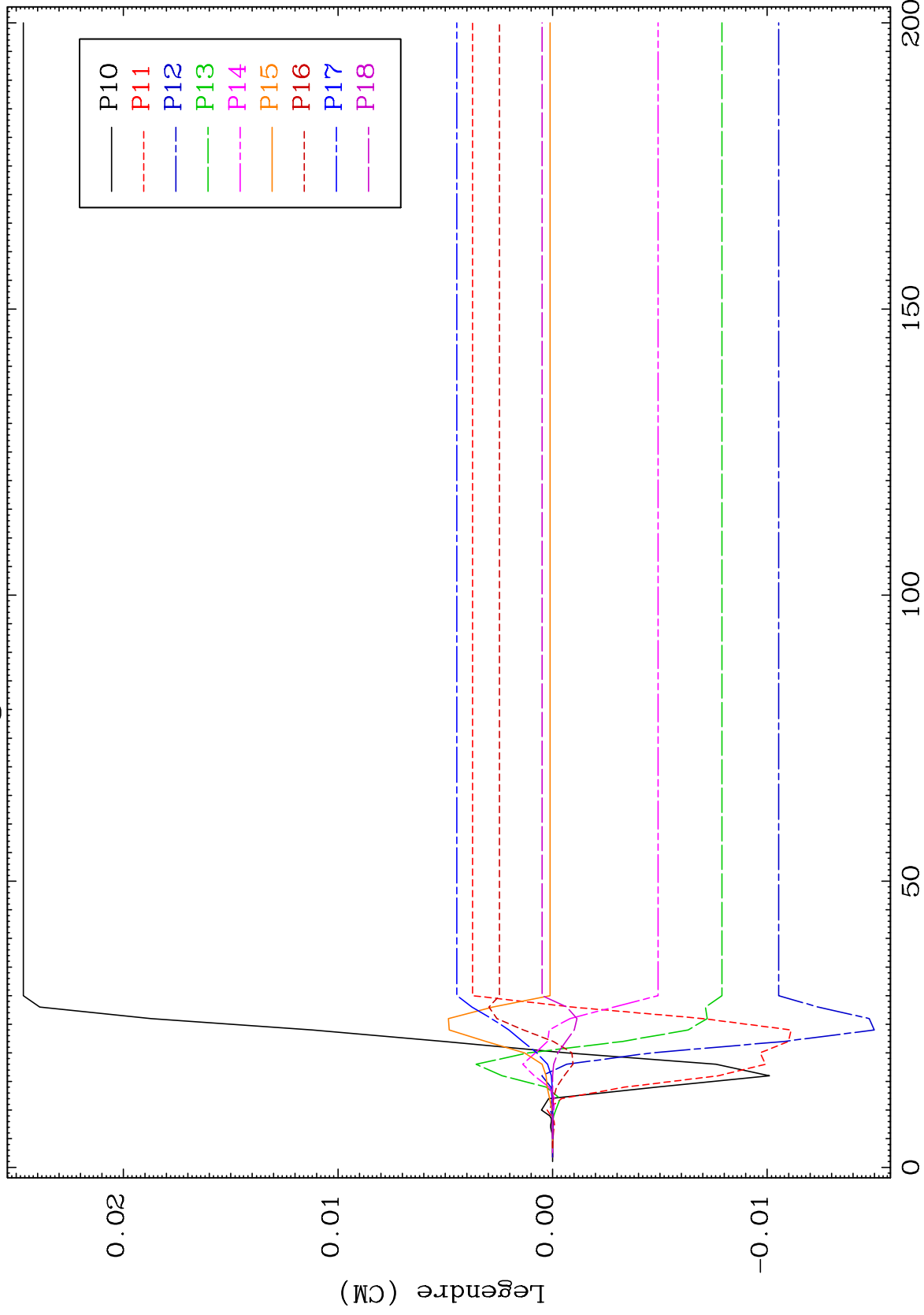
Incident Energy (MeV)

71

MAT 7146

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

71-Lu-182



72

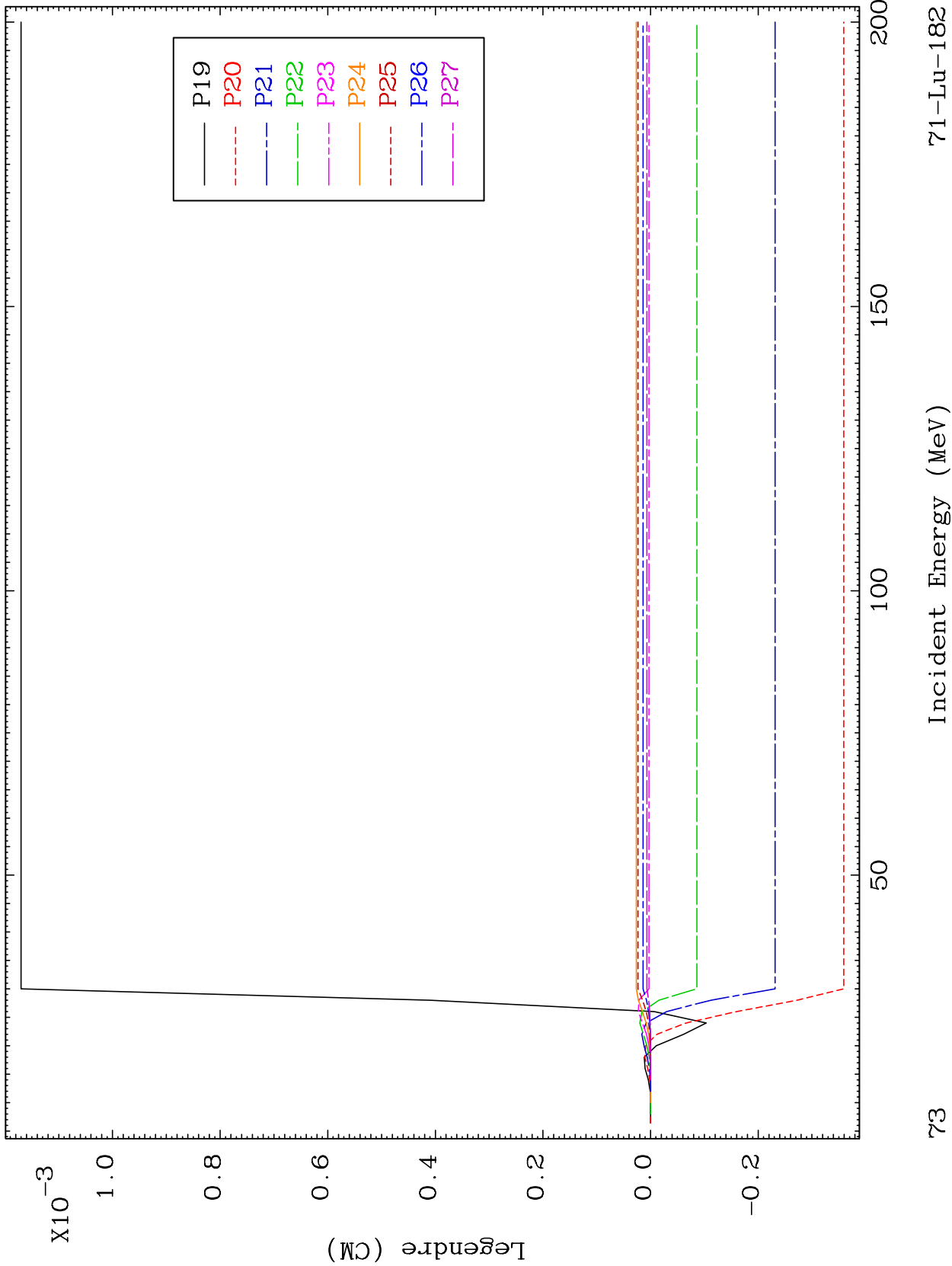
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



73

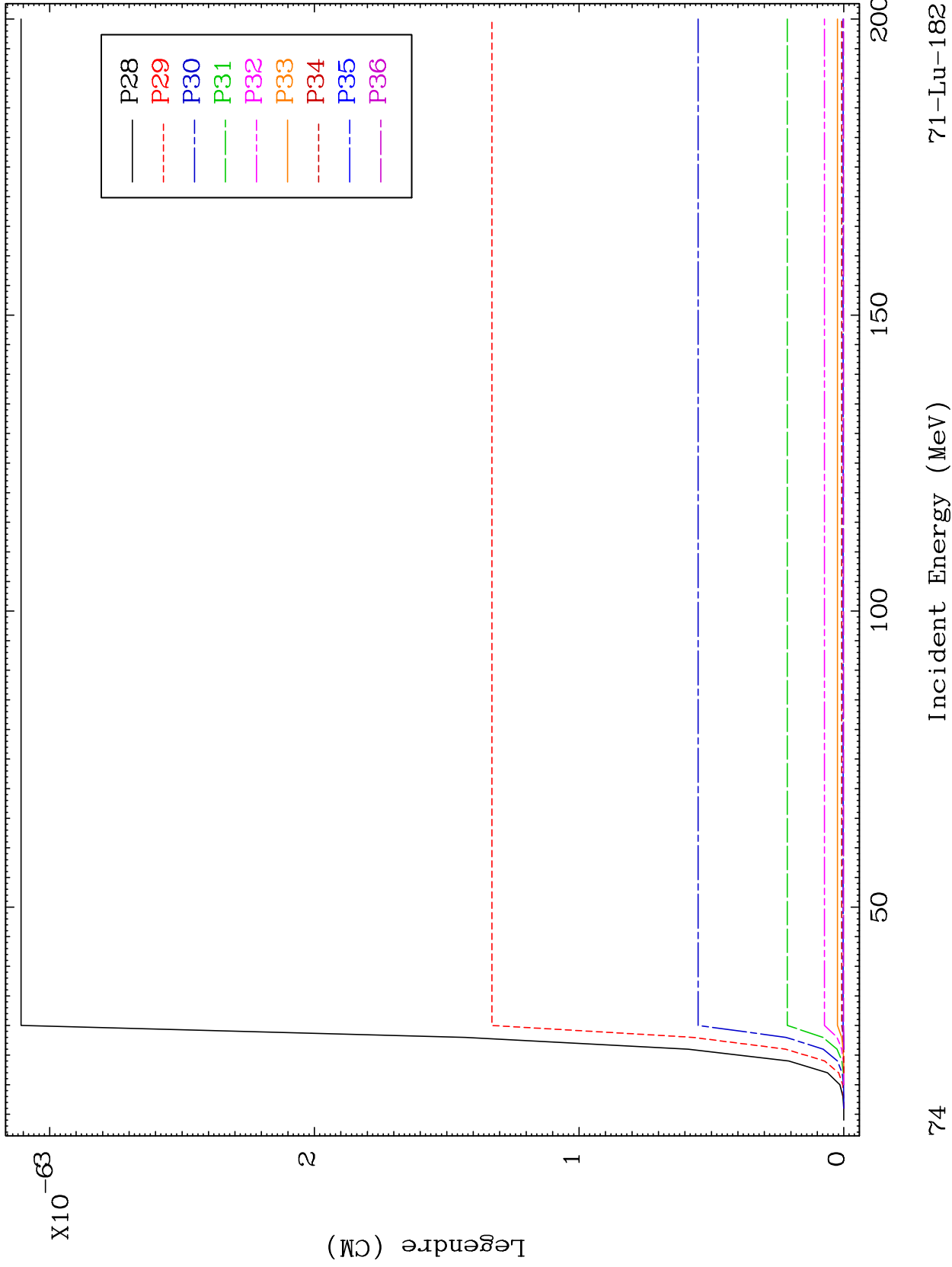
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

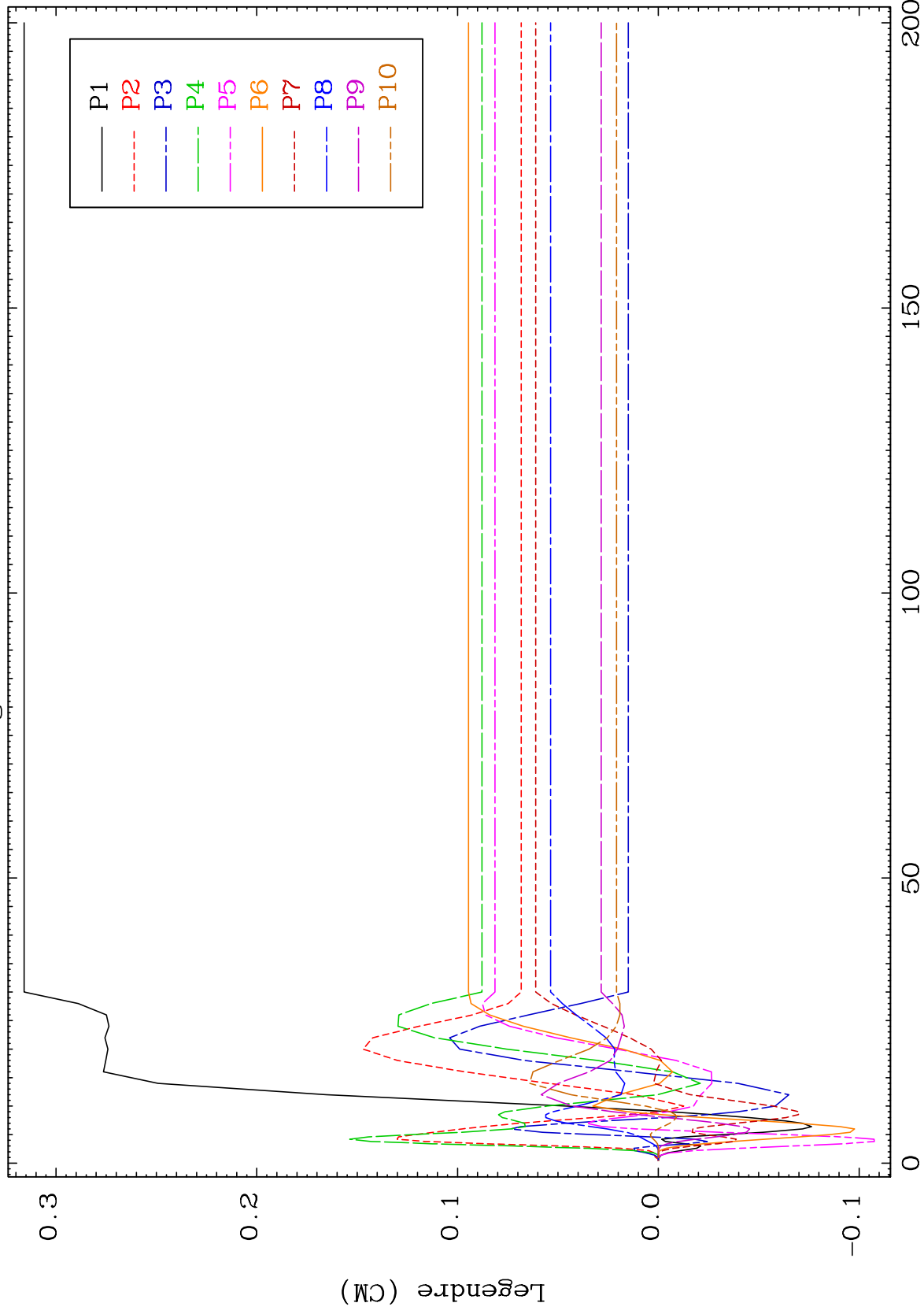
71-Lu-182



MAT 7146

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

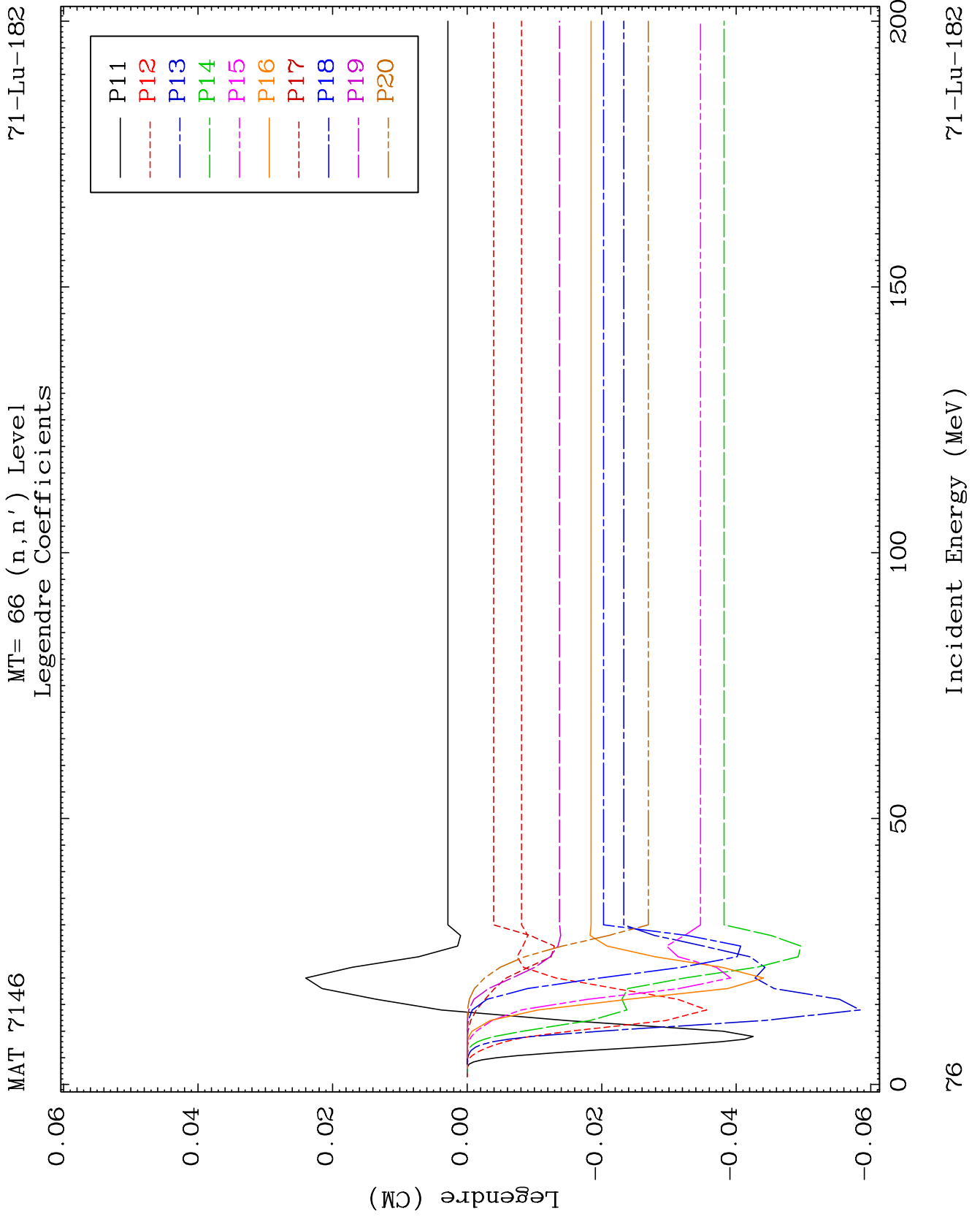
71-Lu-182

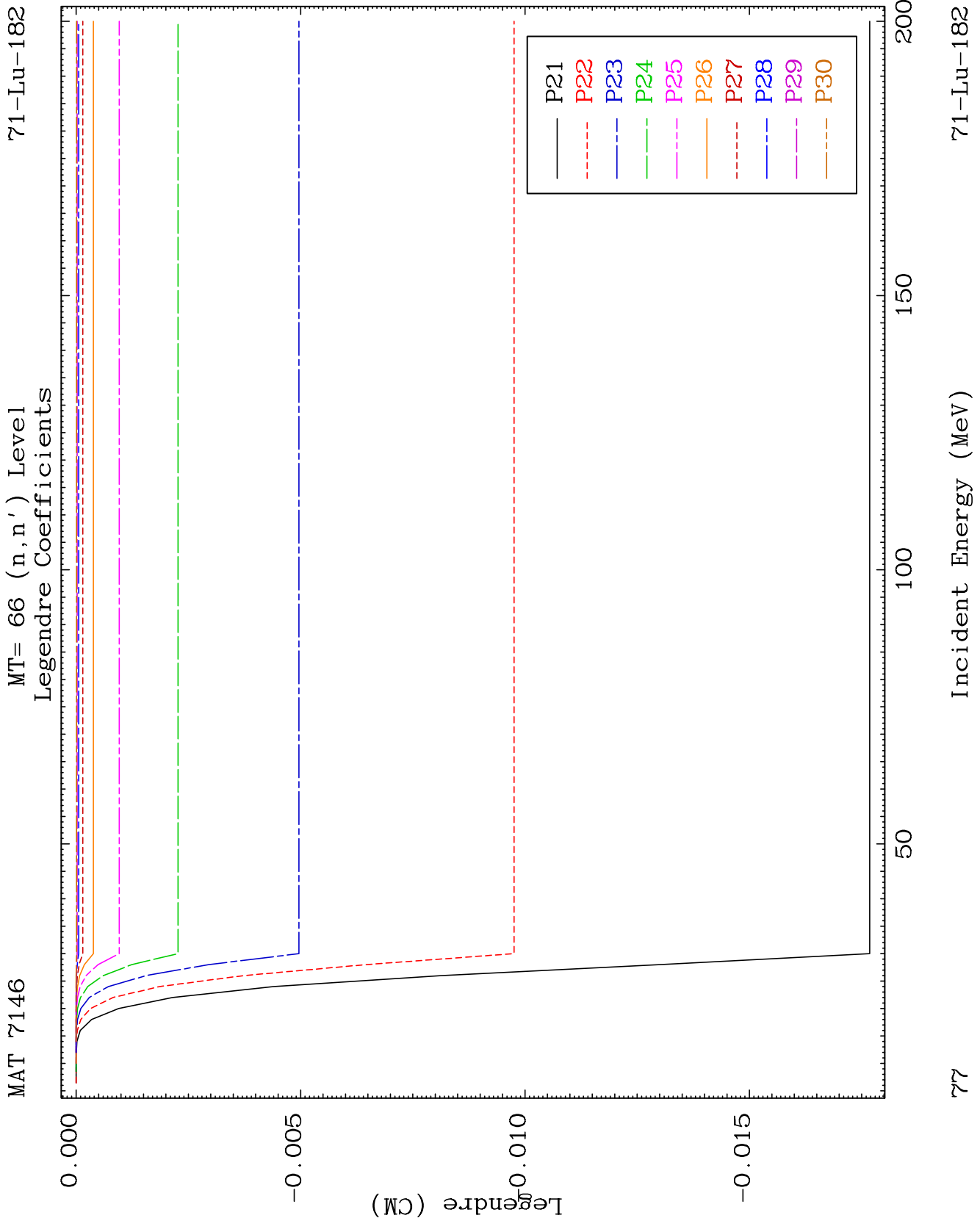


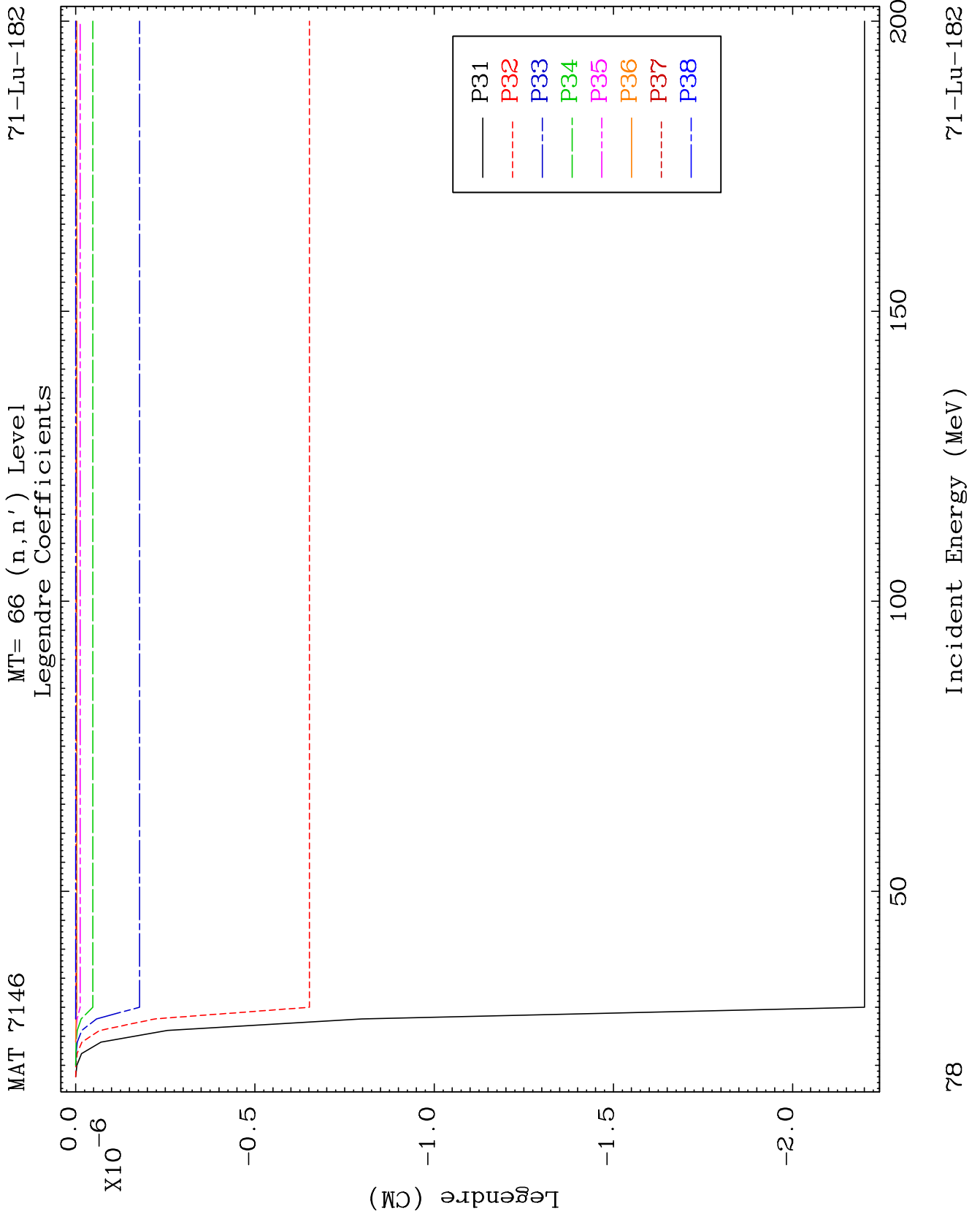
75

Incident Energy (MeV)

71-Lu-182



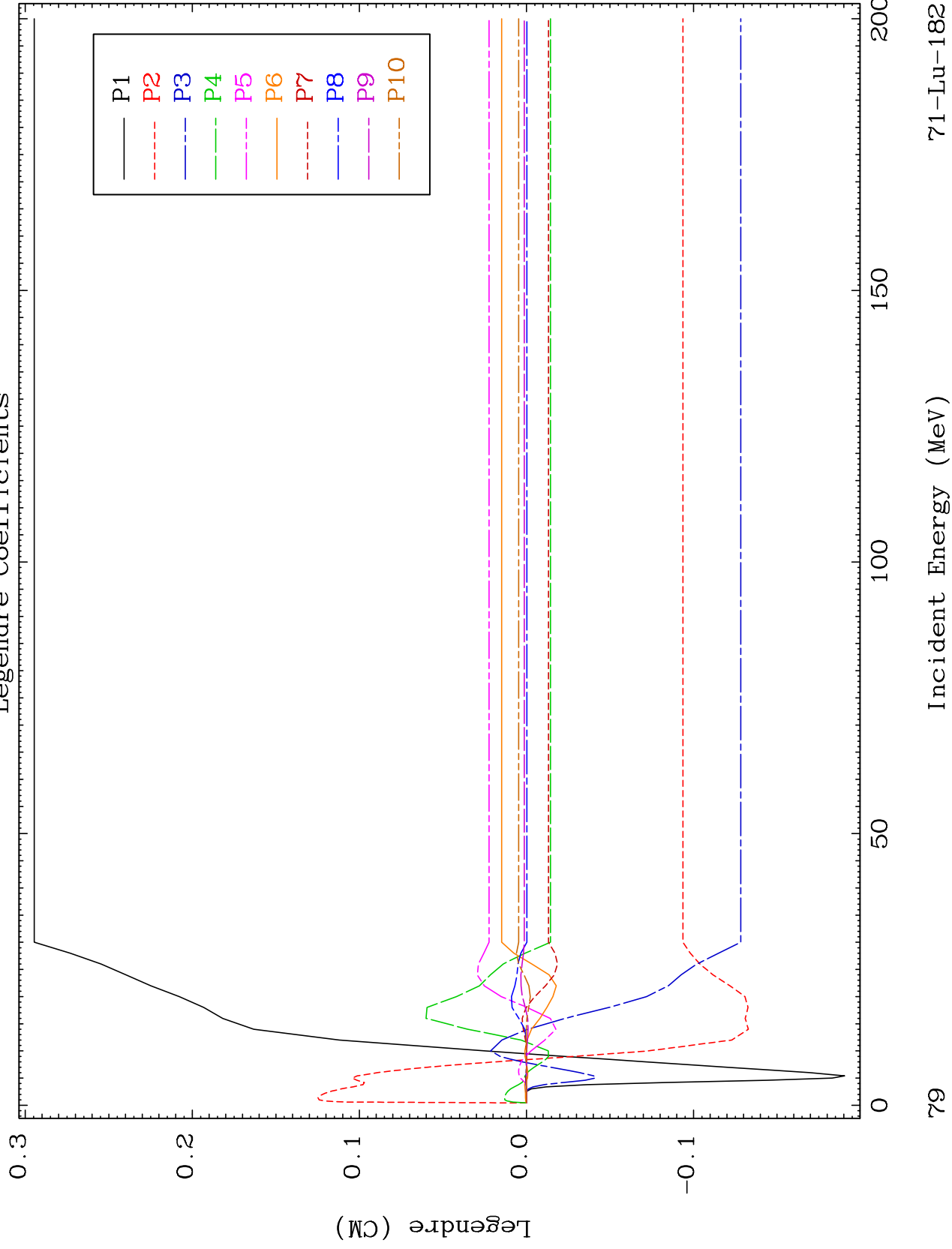




MAT 7146

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

71-Lu-182



71-Lu-182

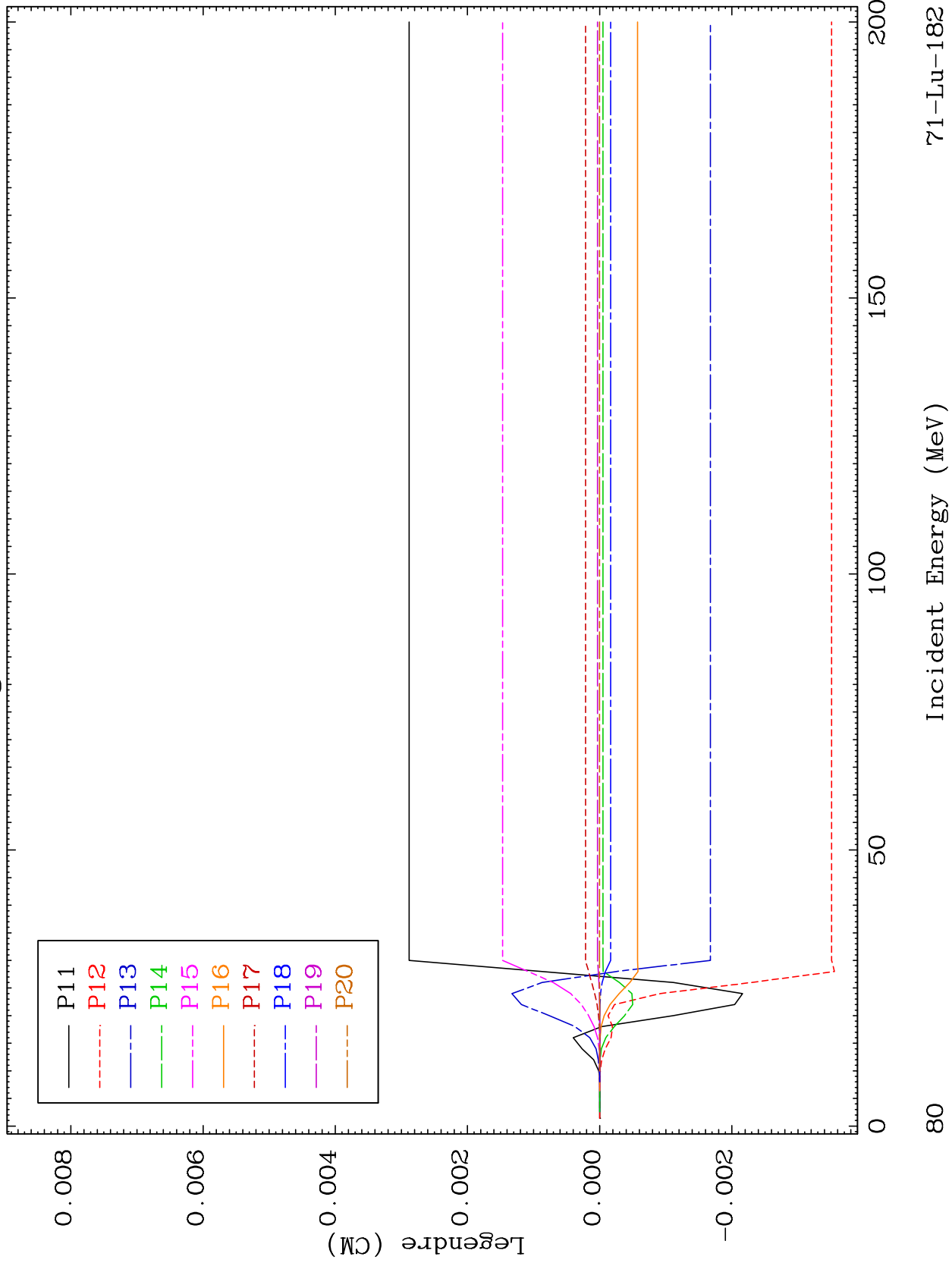
Incident Energy (MeV)

79

MAT 7146

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

71-Lu-182



71-Lu-182

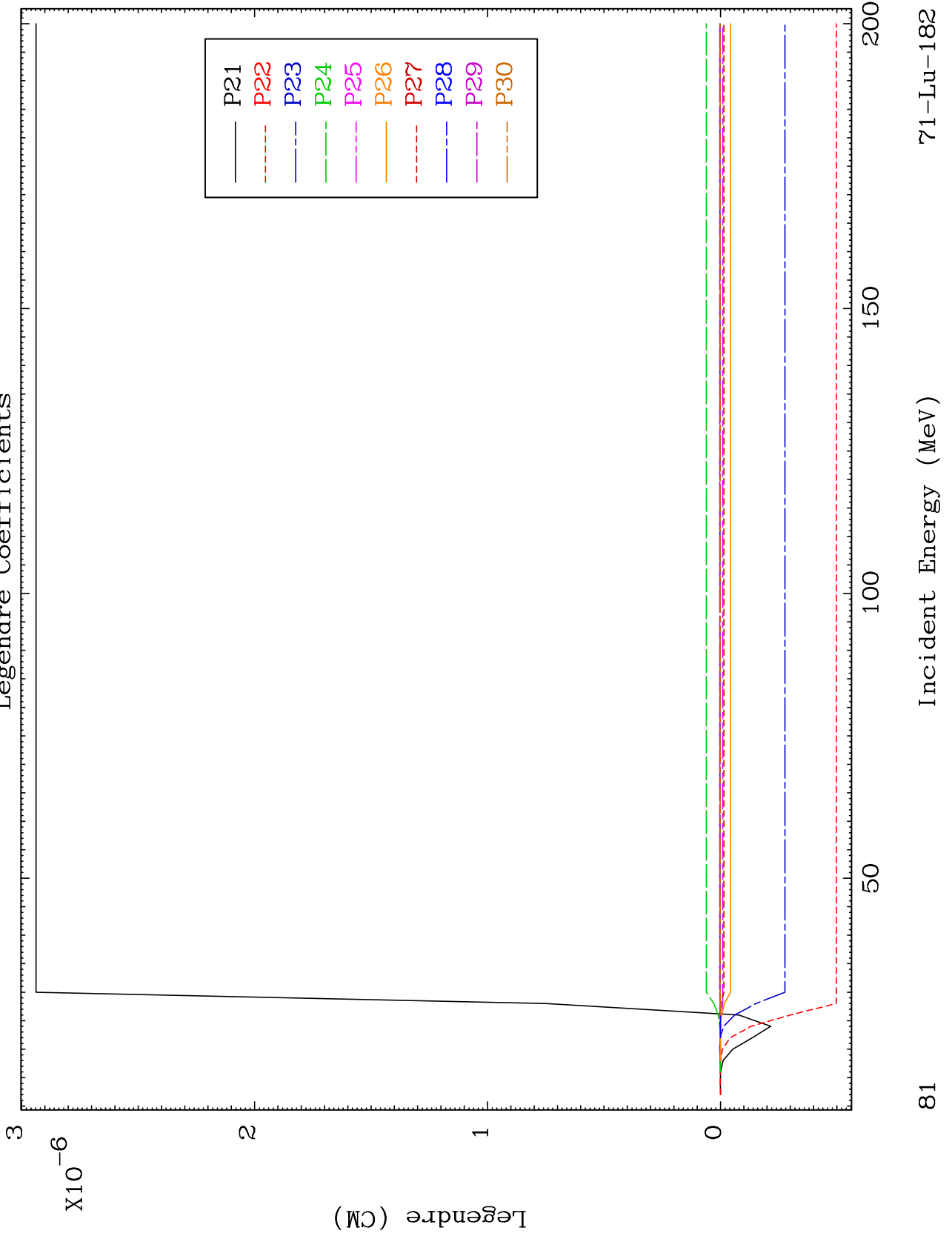
Incident Energy (MeV)

80

MAT 7146

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

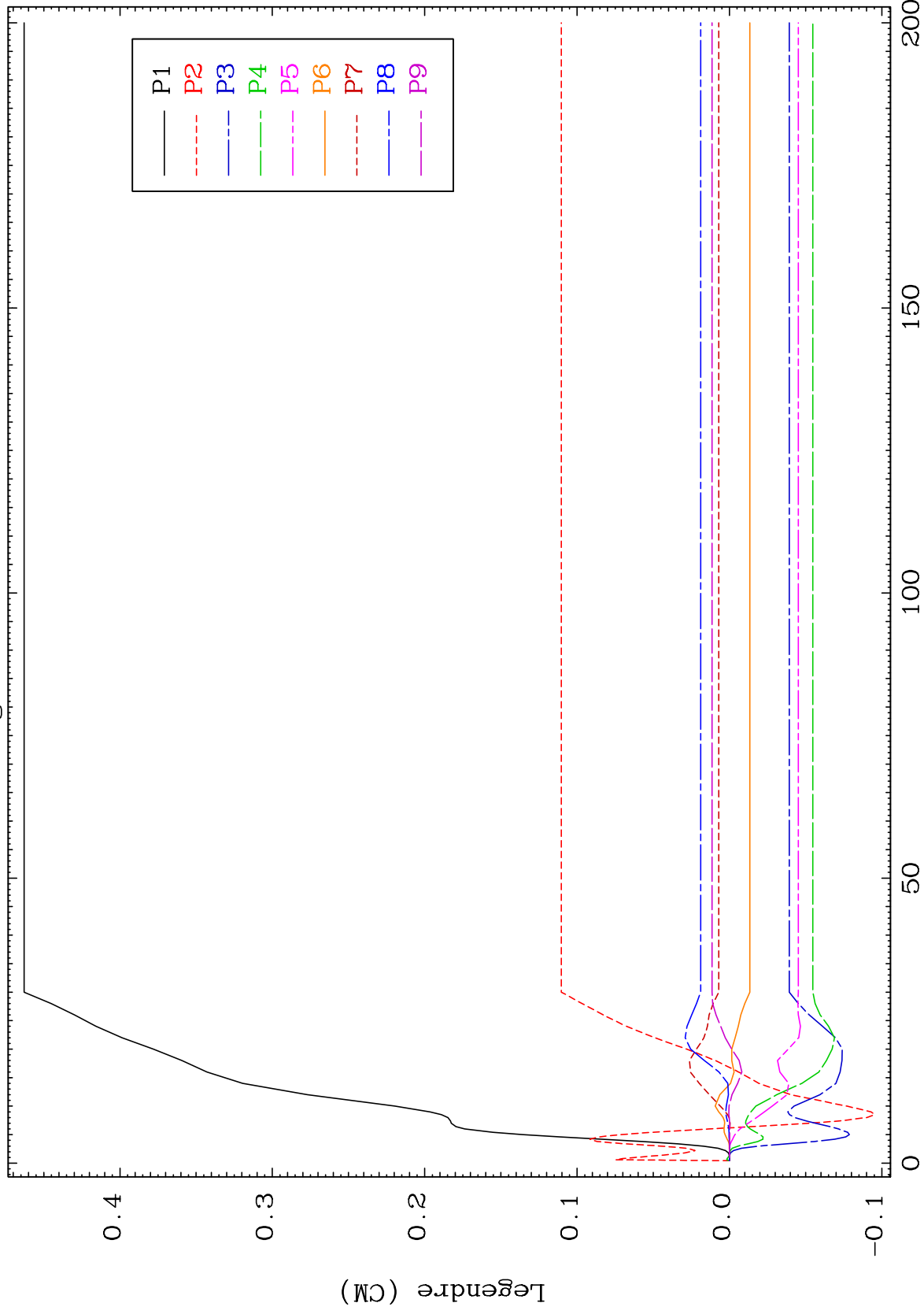
71-Lu-182



MAT 7146

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

71-Lu-182



82

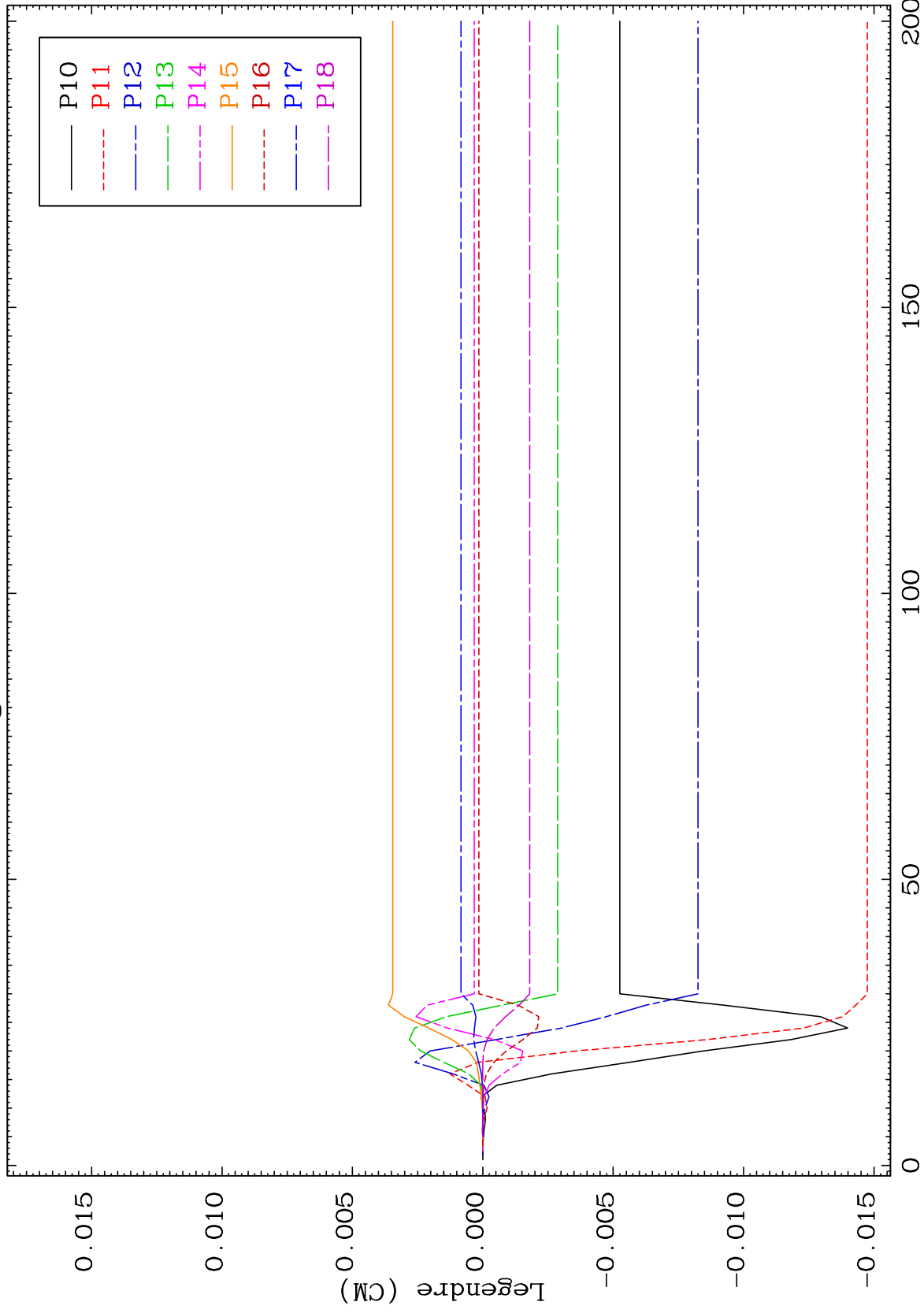
Incident Energy (MeV)

71-Lu-182

MAT 7146

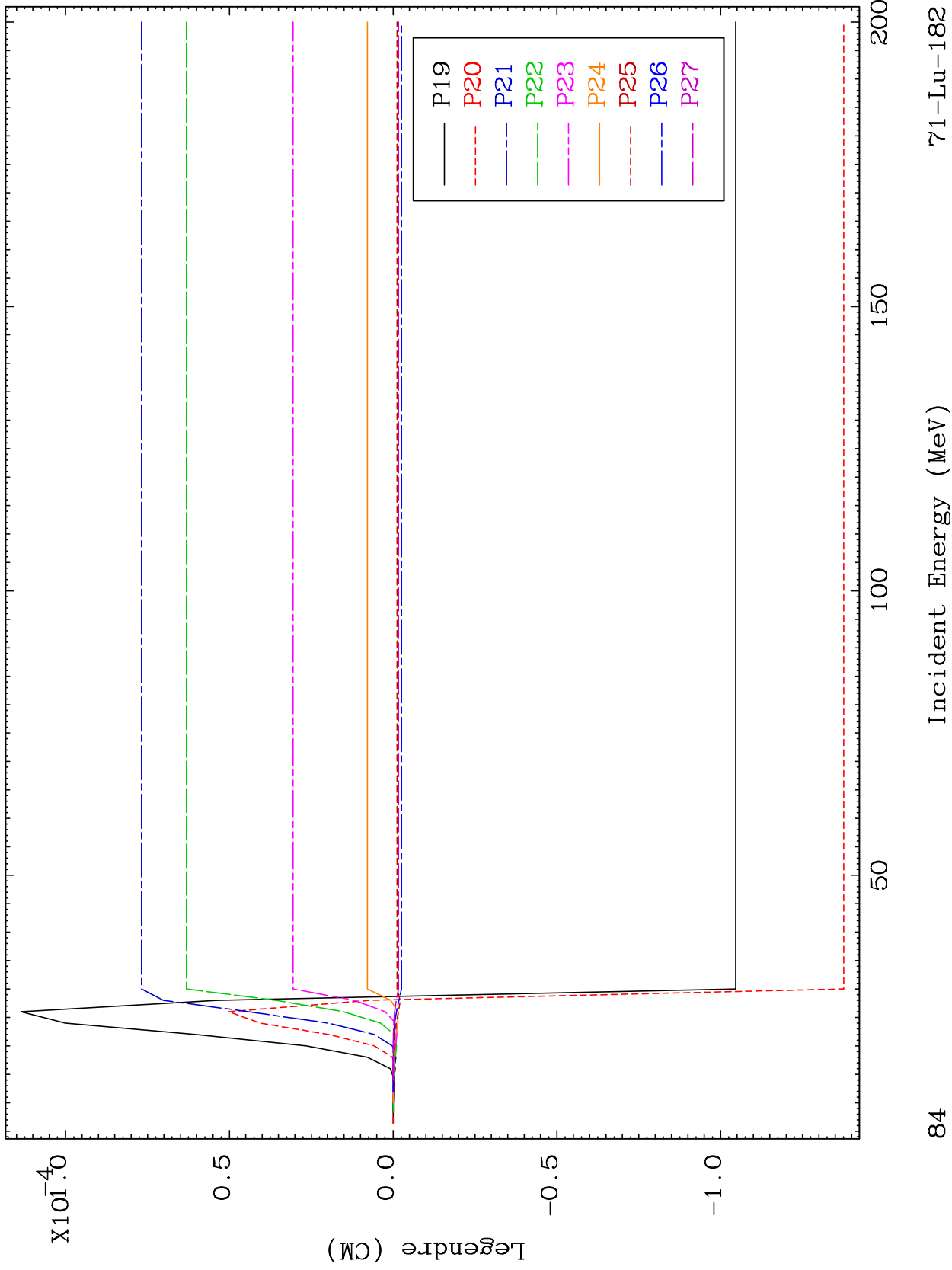
MT= 68 (n,n') Level
Legendre Coefficients

71-Lu-182



83

71-Lu-182

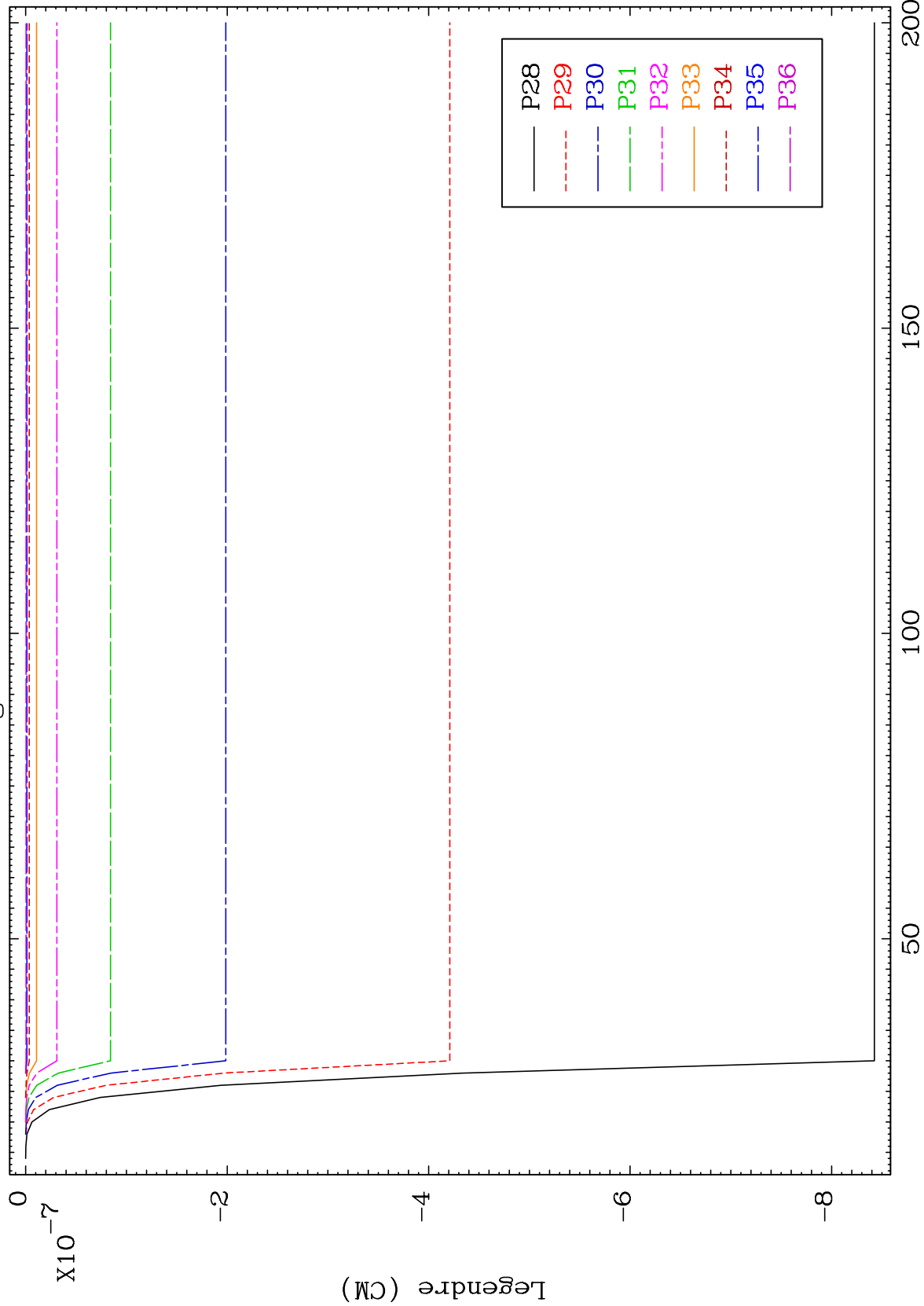


MAT 7146

MT= 68 (n,n') Level

71-Lu-182

Legendre Coefficients



71-Lu-182

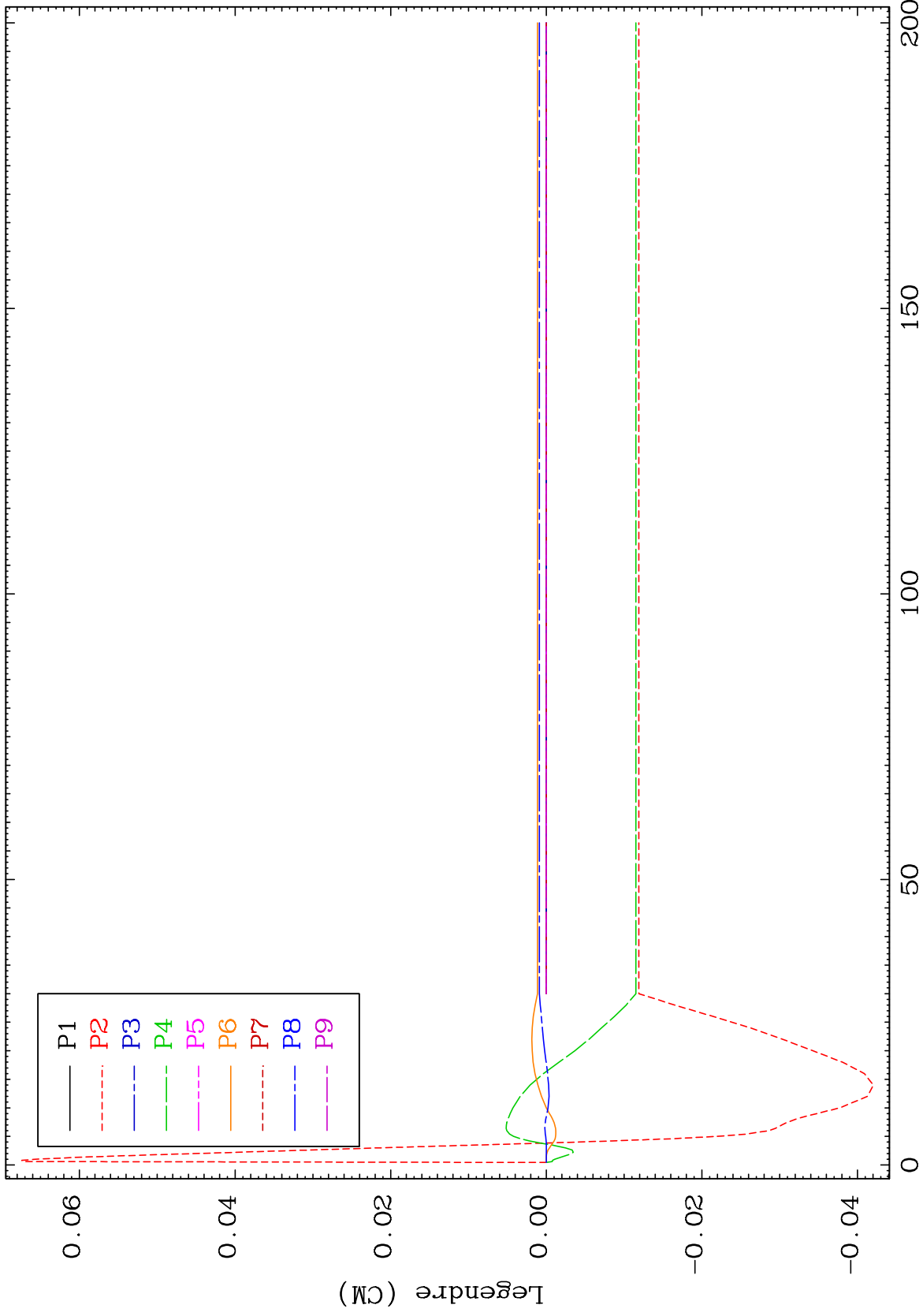
Incident Energy (MeV)

85

MAT 7146

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

71-Lu-182



86

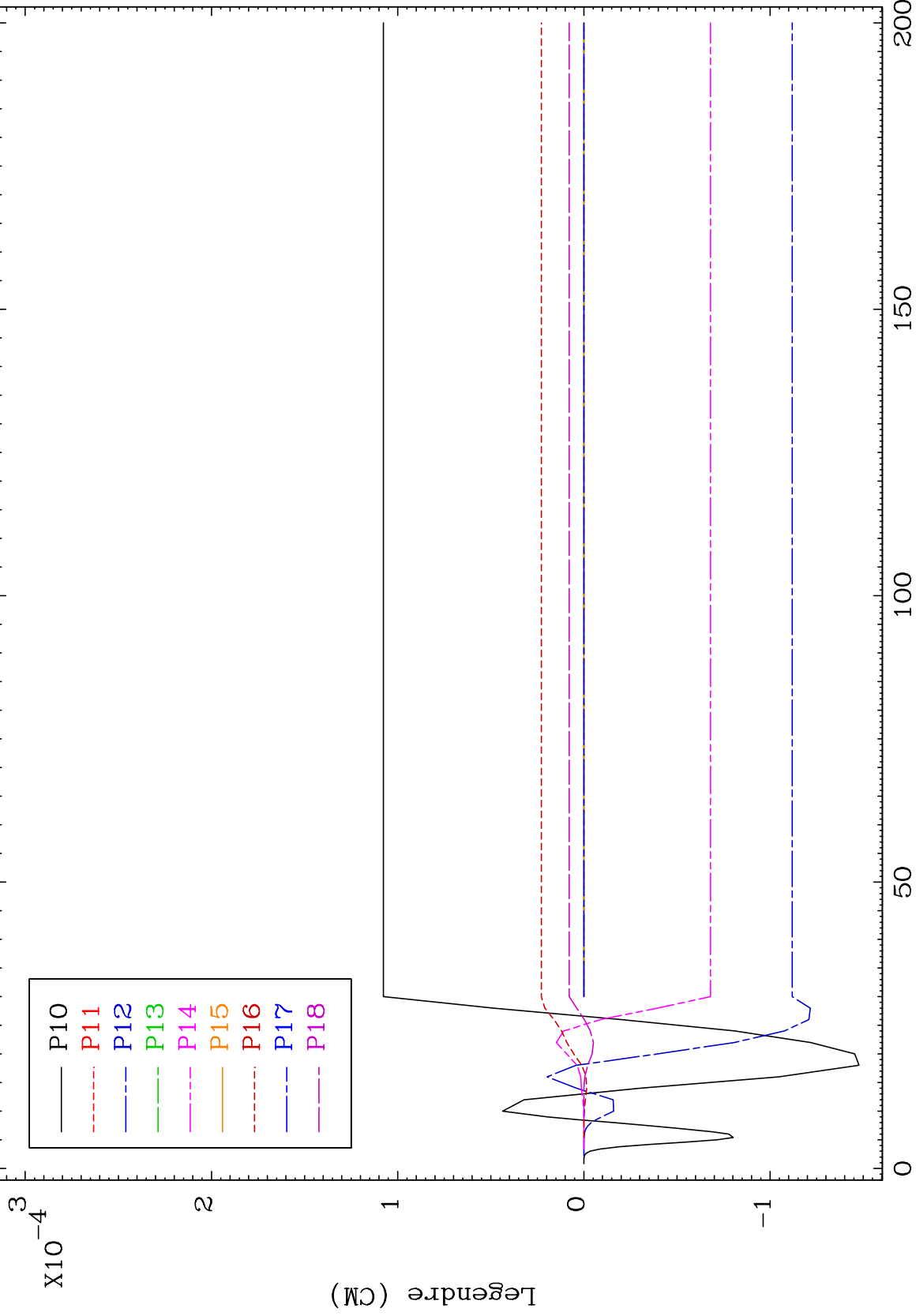
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



87

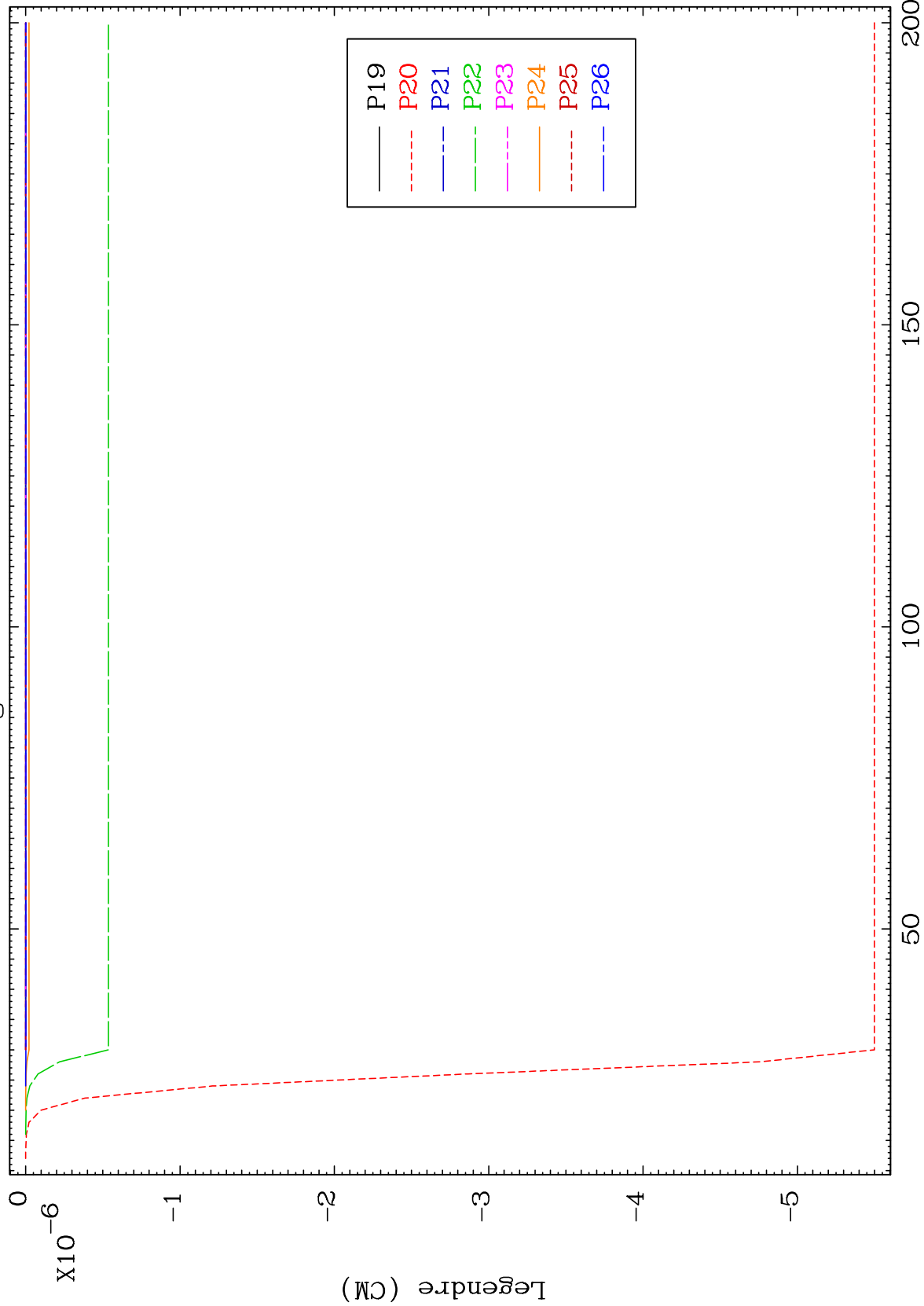
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



71-Lu-182

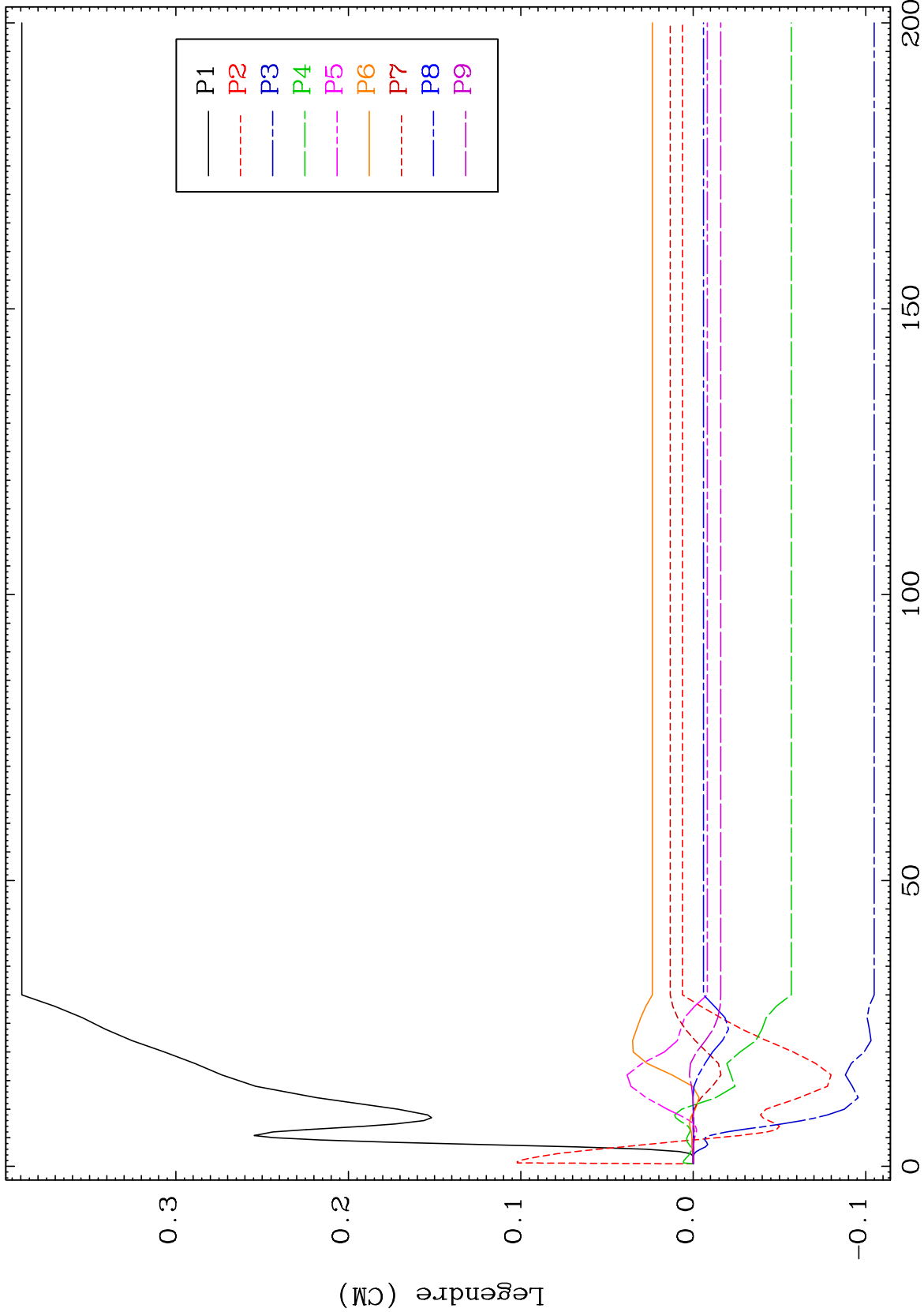
Incident Energy (MeV)

88

MAT 7146

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

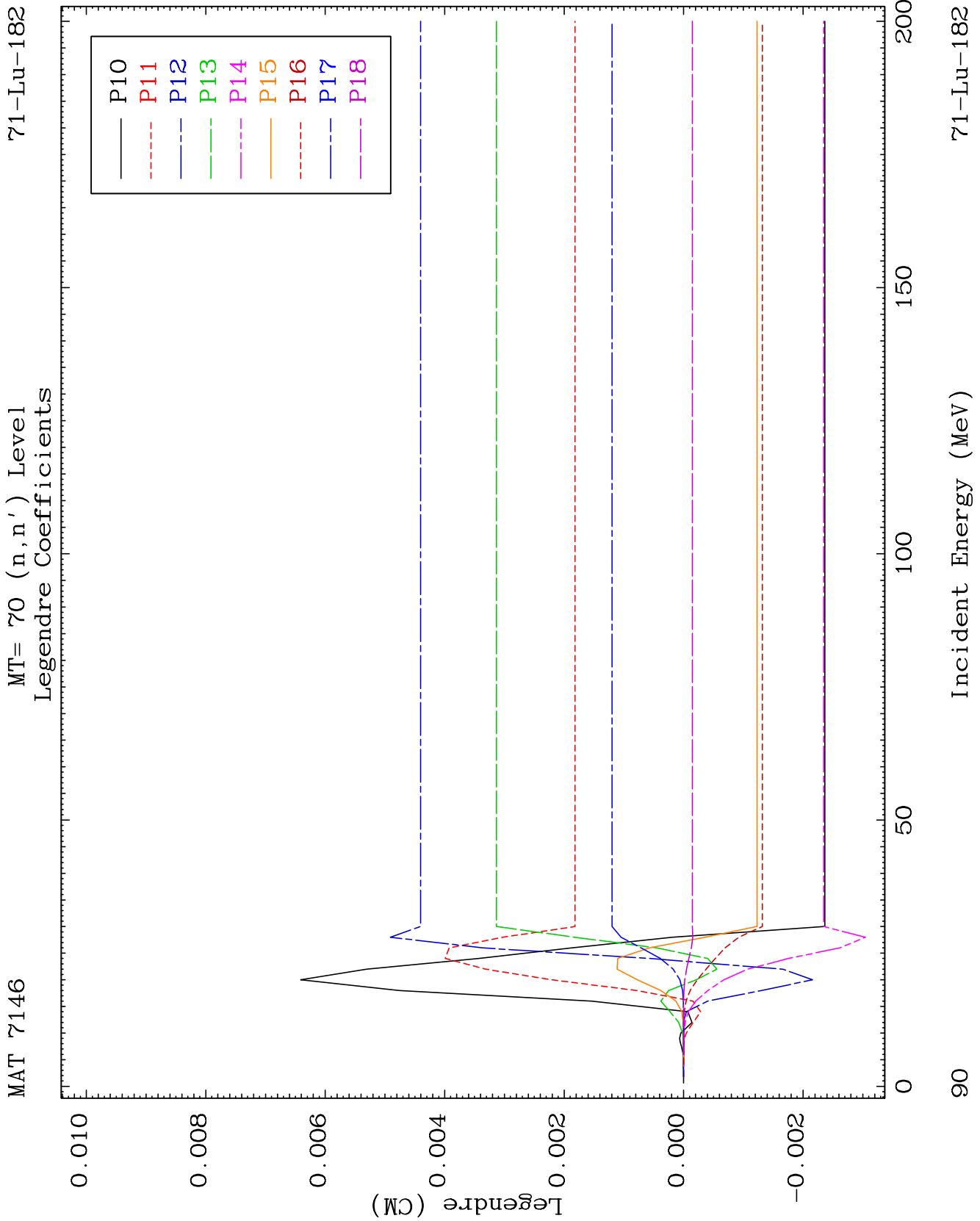
71-Lu-182



89

Incident Energy (MeV)

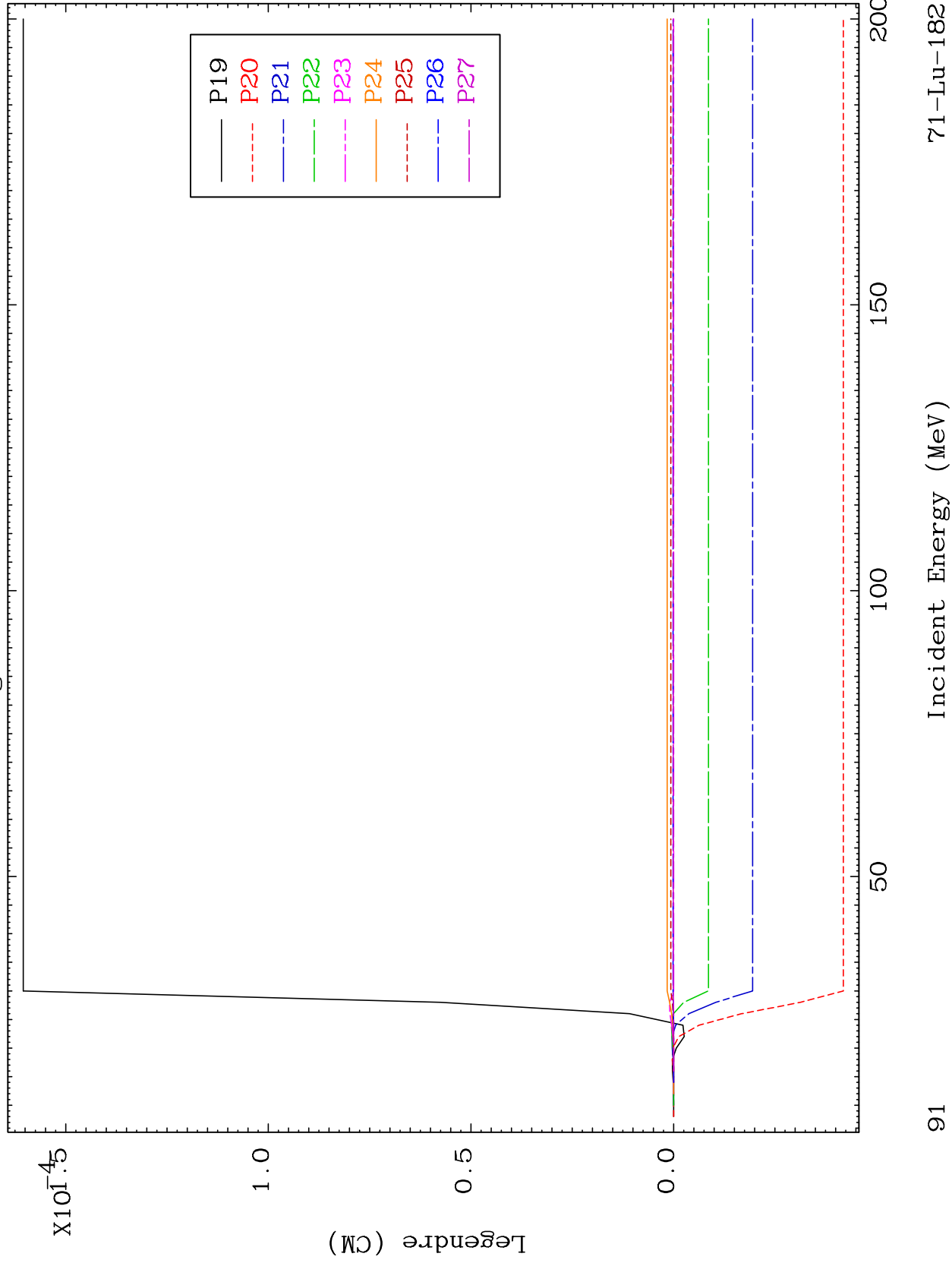
71-Lu-182



MAT 7146

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

71-Lu-182



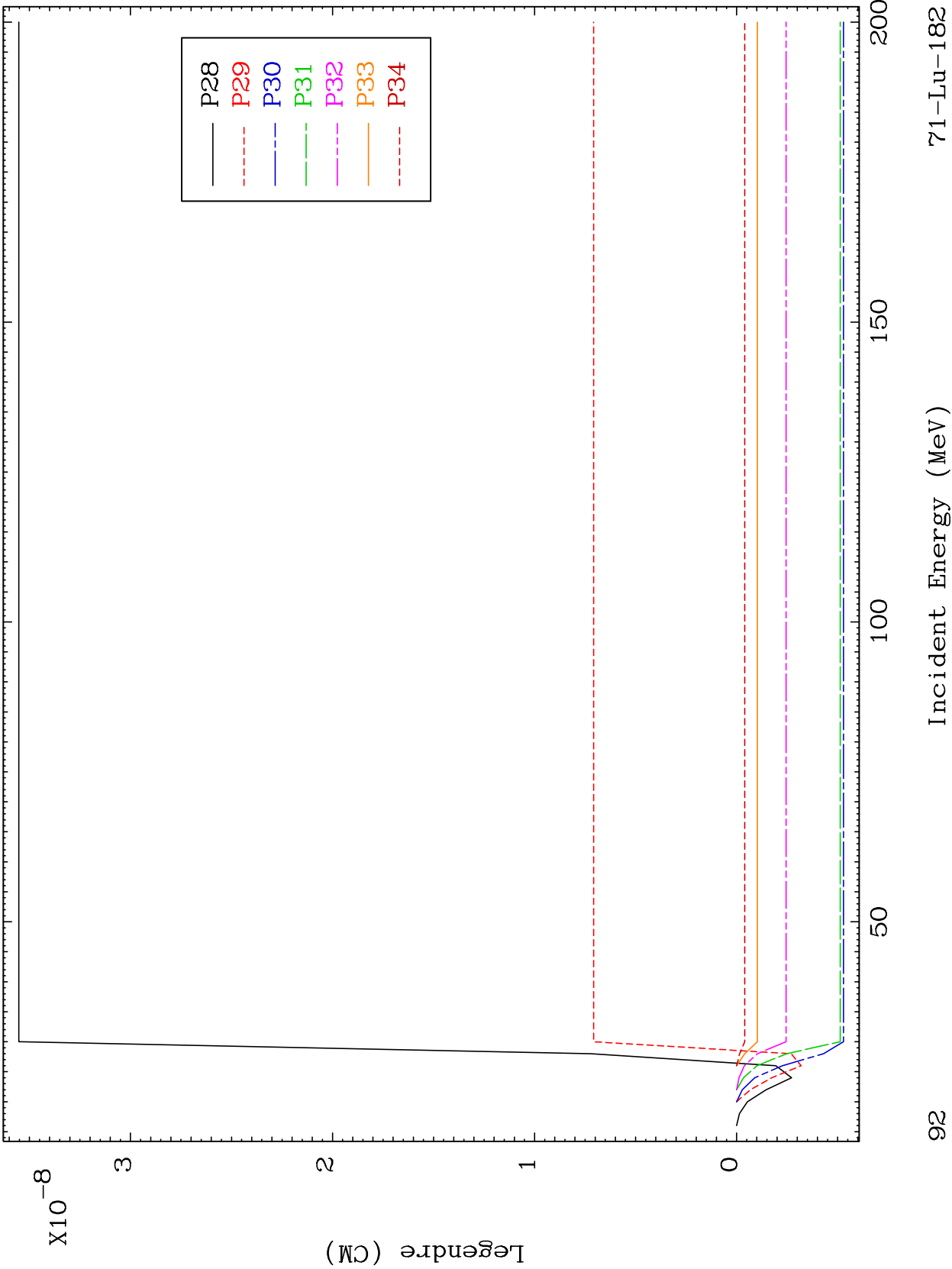
91

71-Lu-182

MAT 7146

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

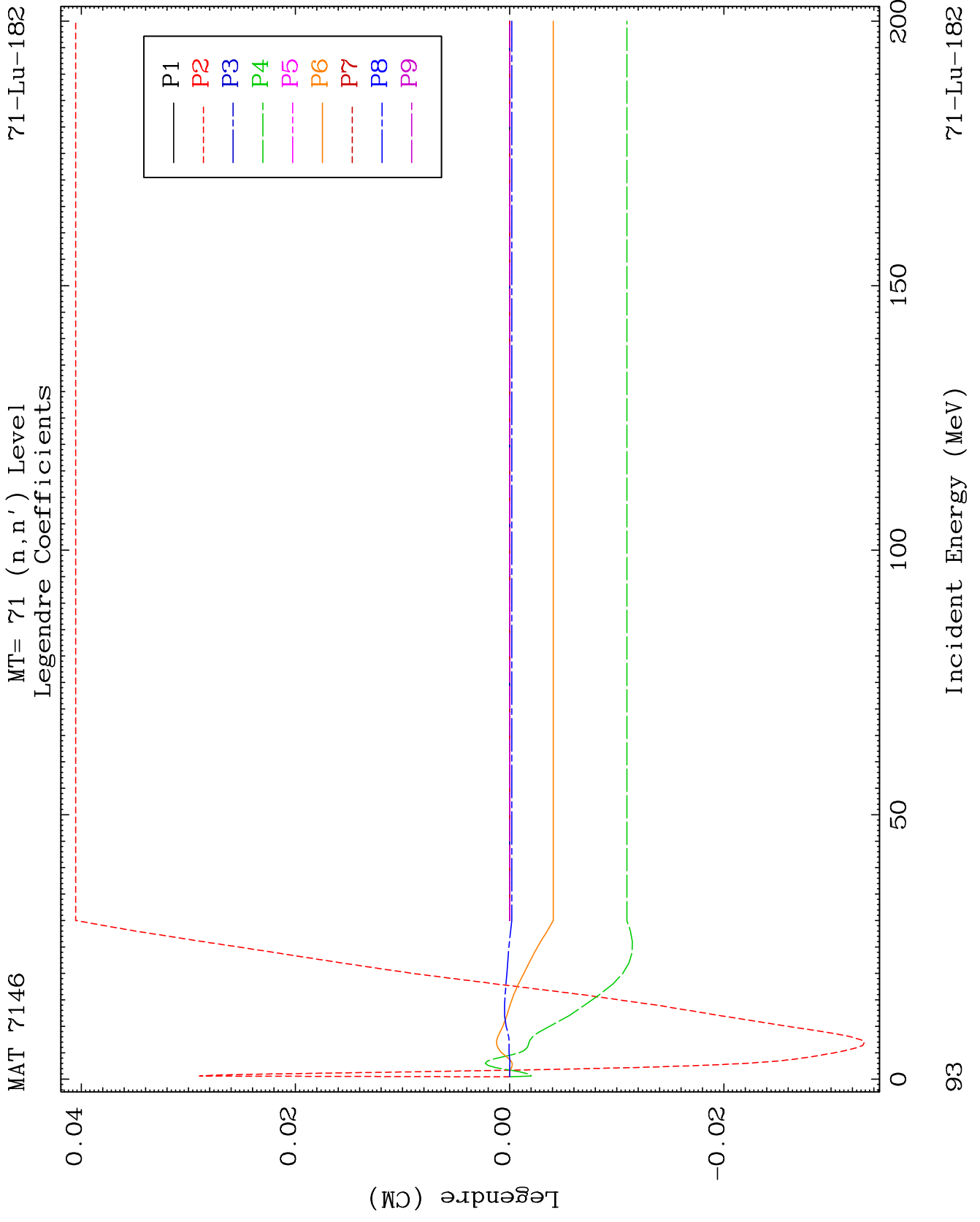
71-Lu-182



92

Incident Energy (MeV)

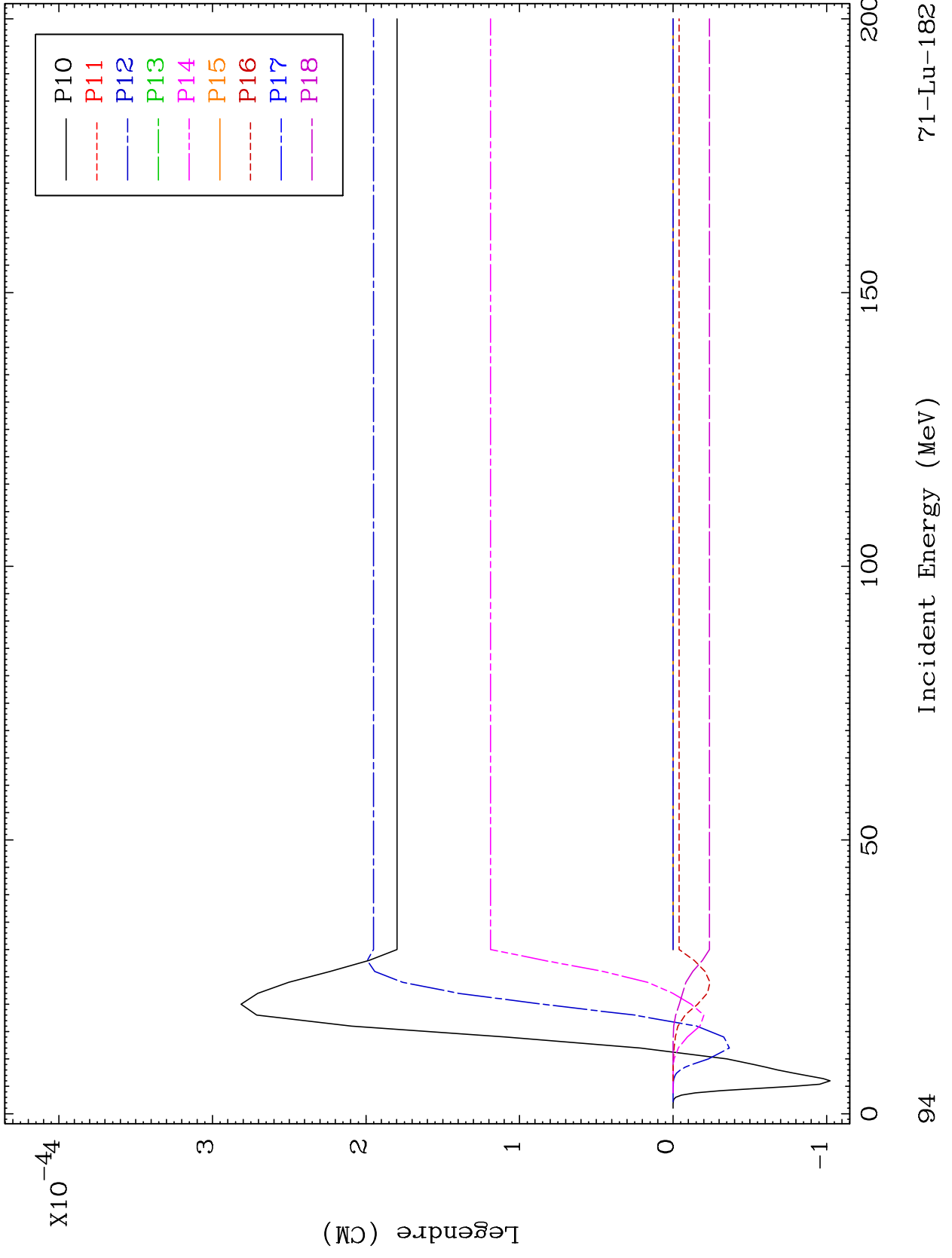
71-Lu-182

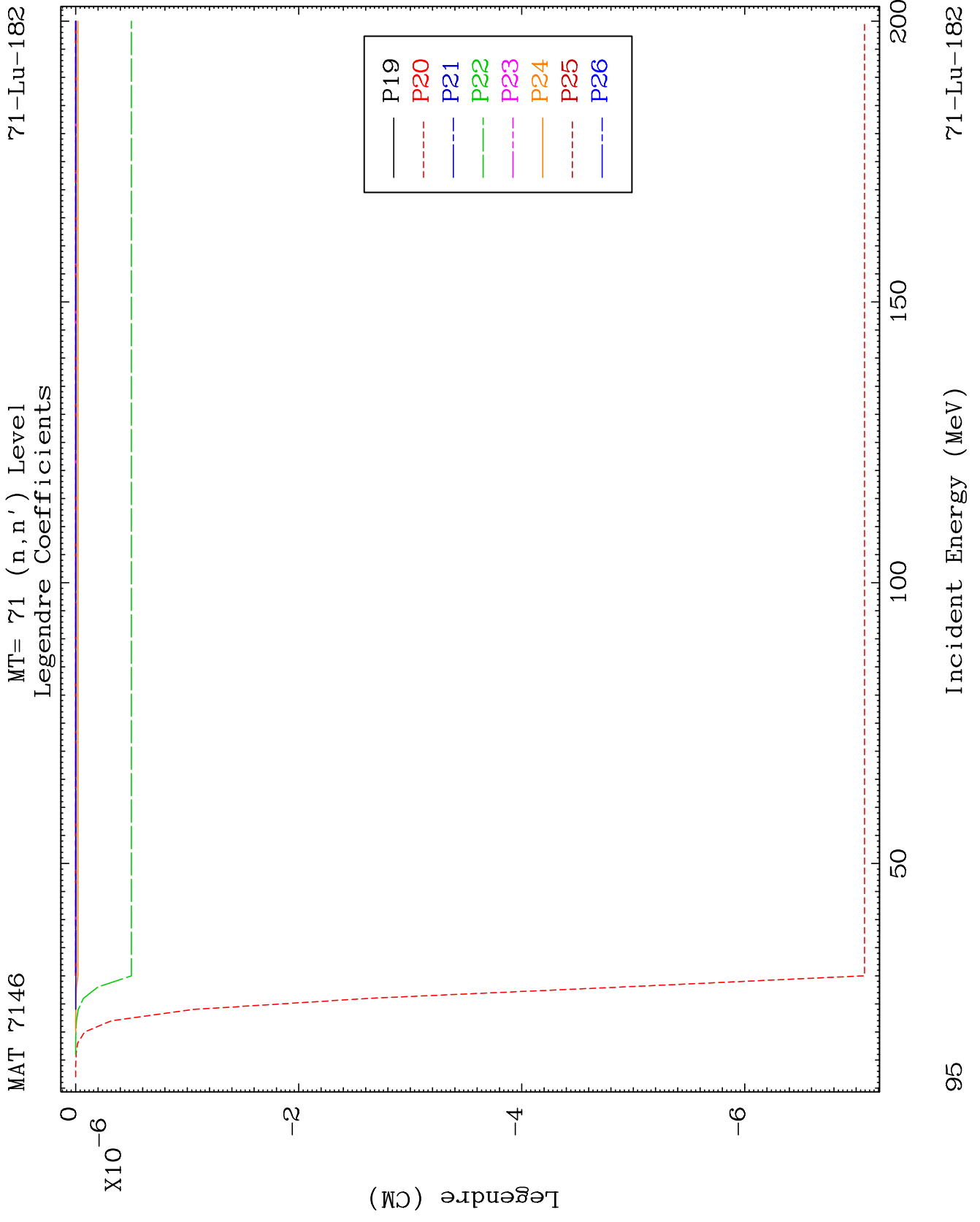


MAT 7146

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

71-Lu-182

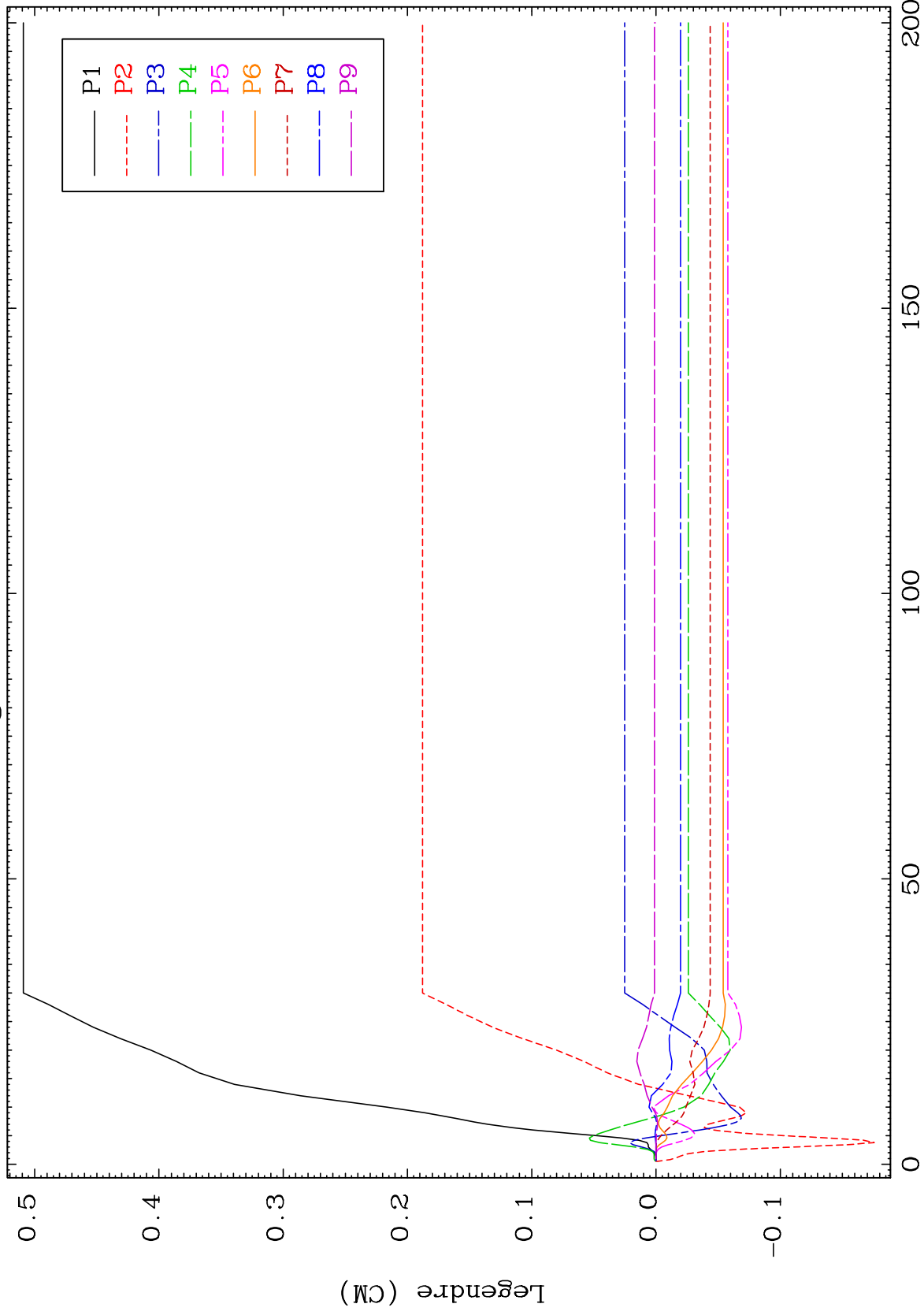




MAT 7146

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

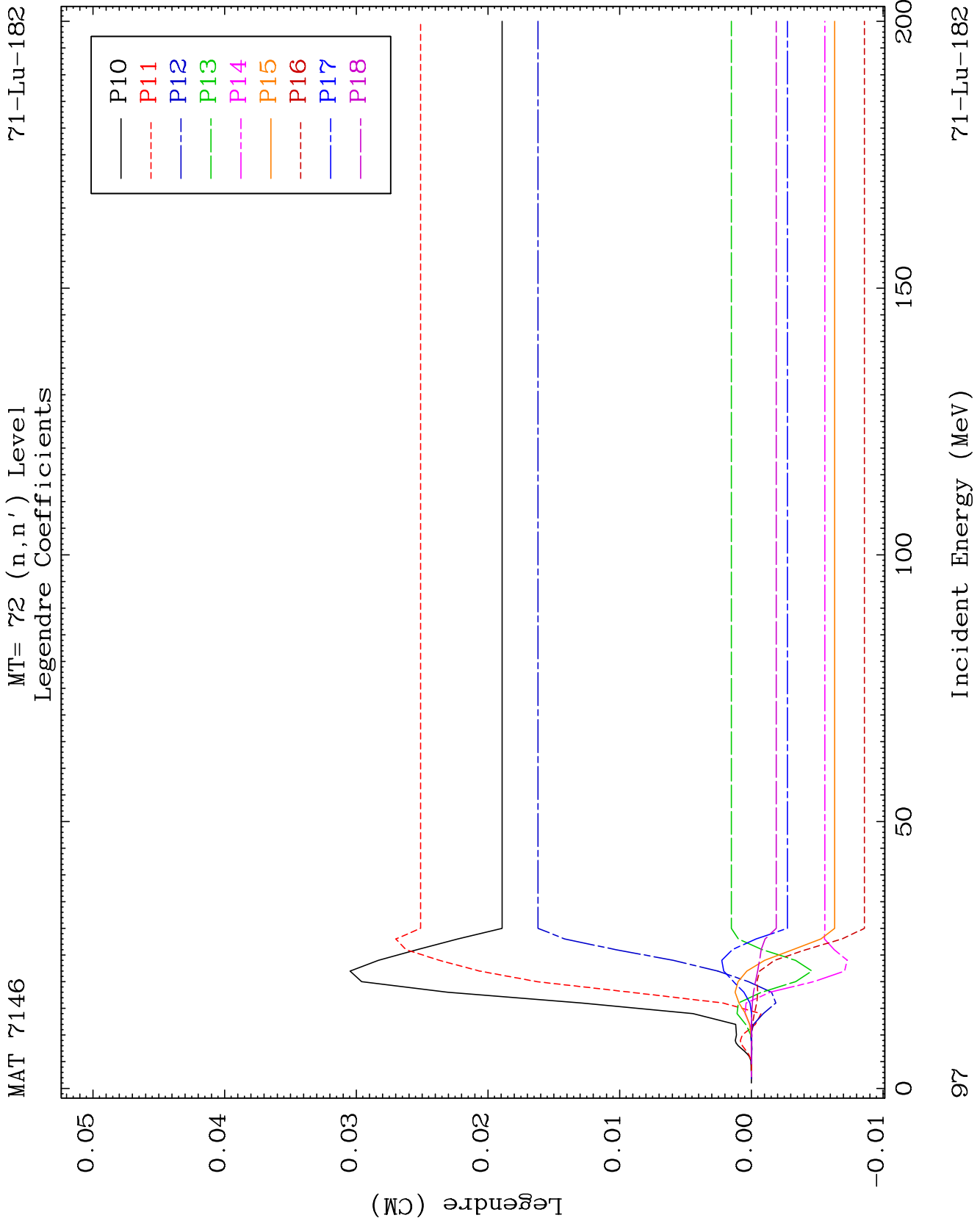
71-Lu-182

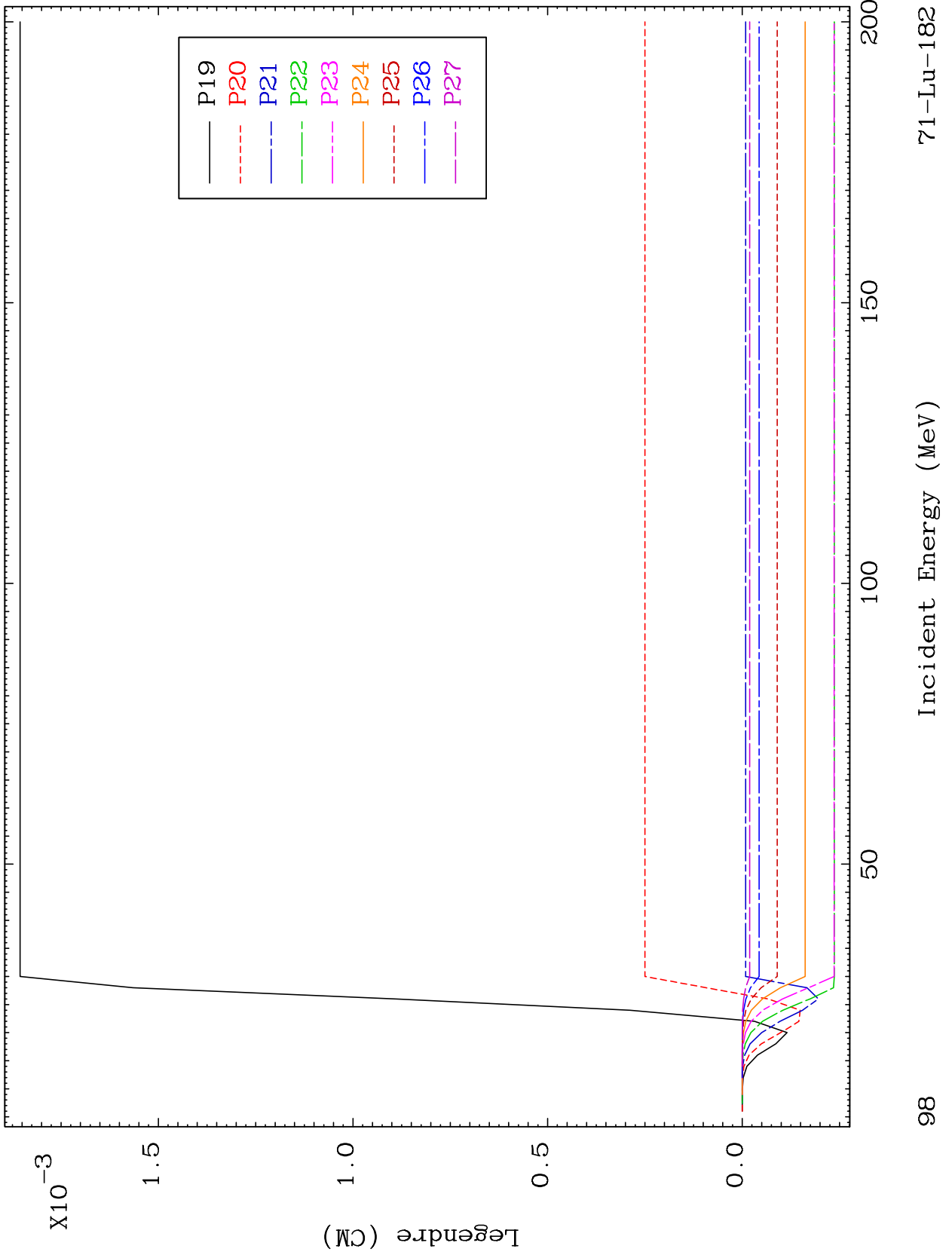


96

Incident Energy (MeV)

71-Lu-182



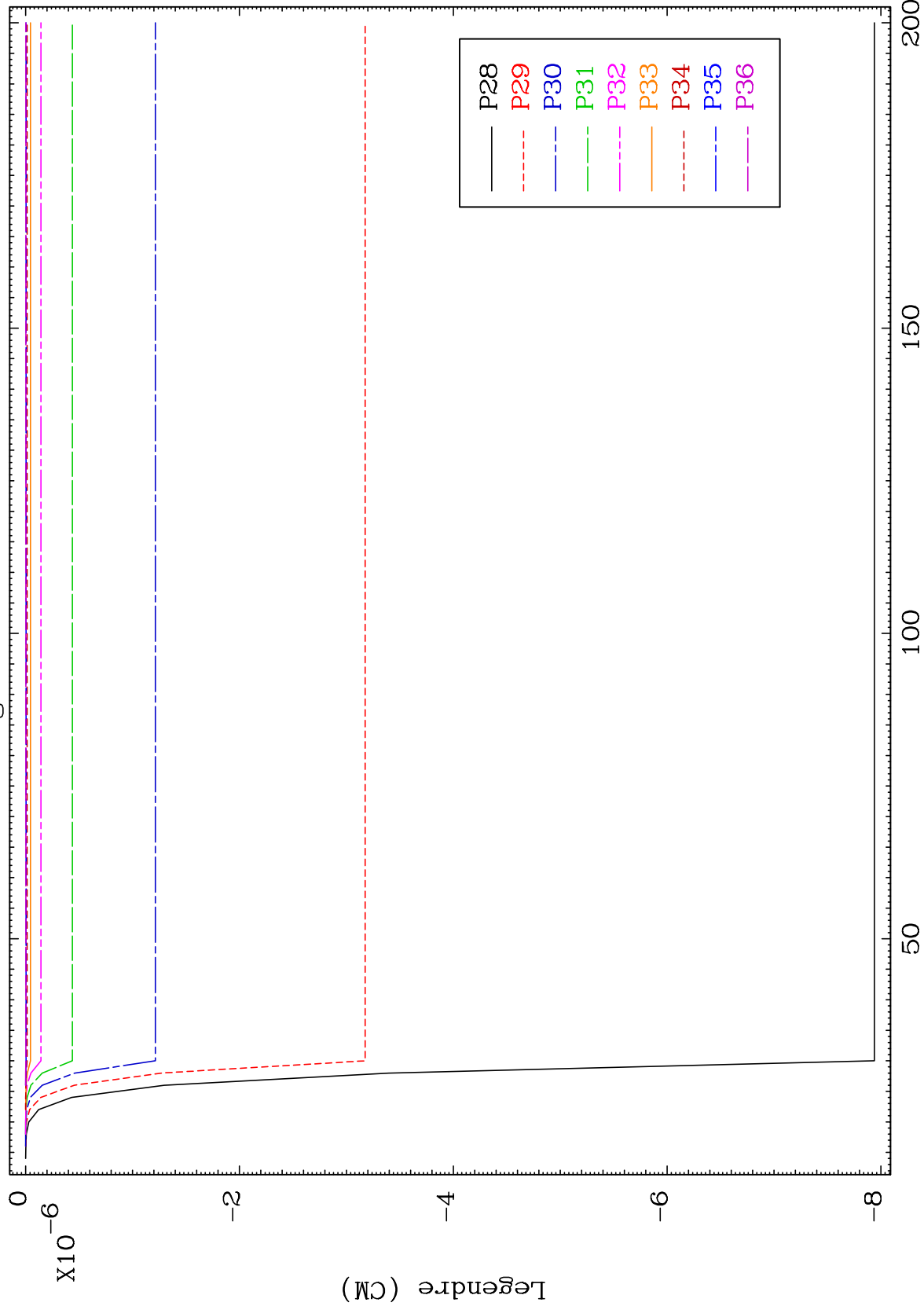


MAT 7146

MT= 72 (n,n') Level

71-Lu-182

Legendre Coefficients



71-Lu-182

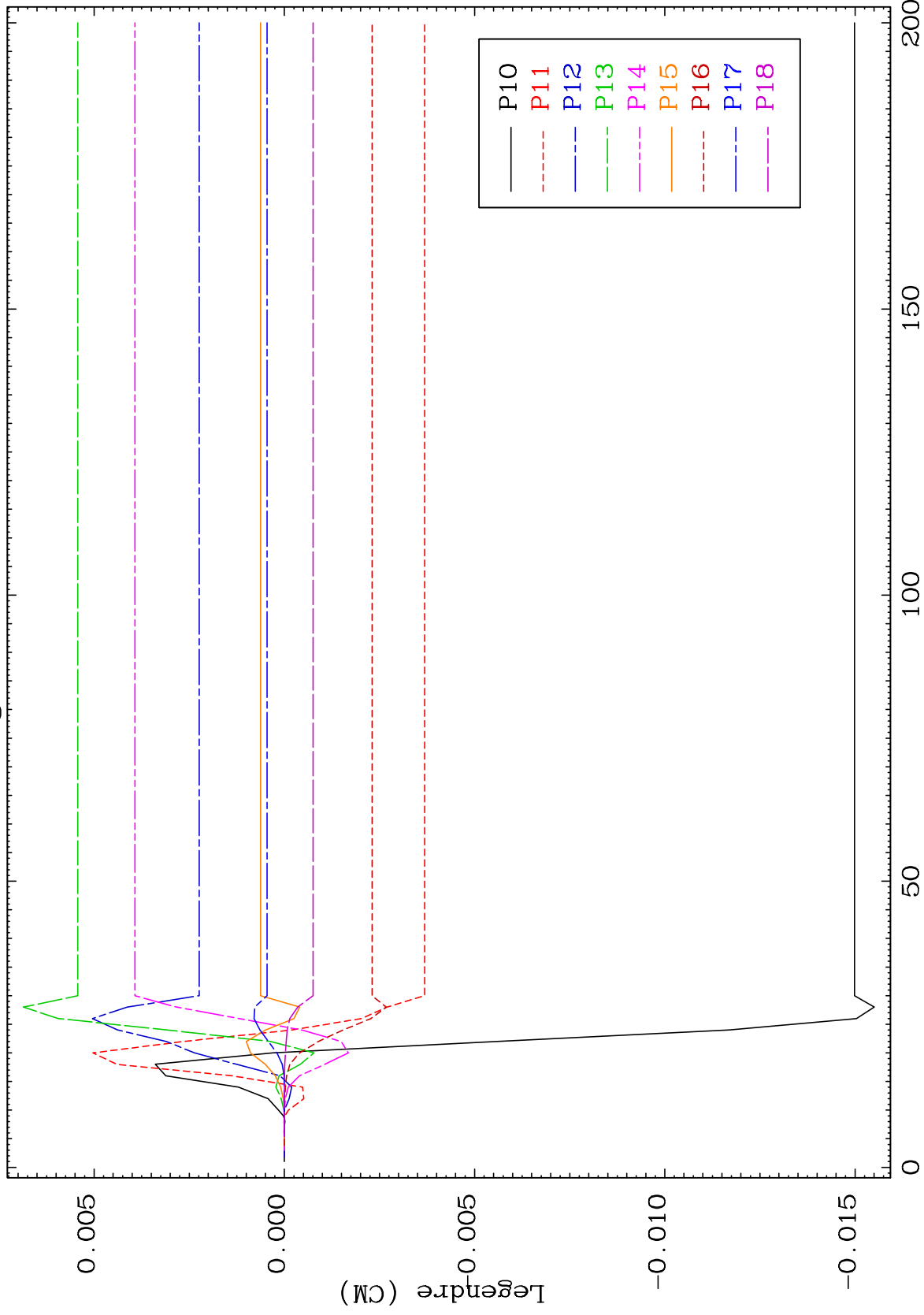
Incident Energy (MeV)

99

MAT 7146

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

71-Lu-182



101

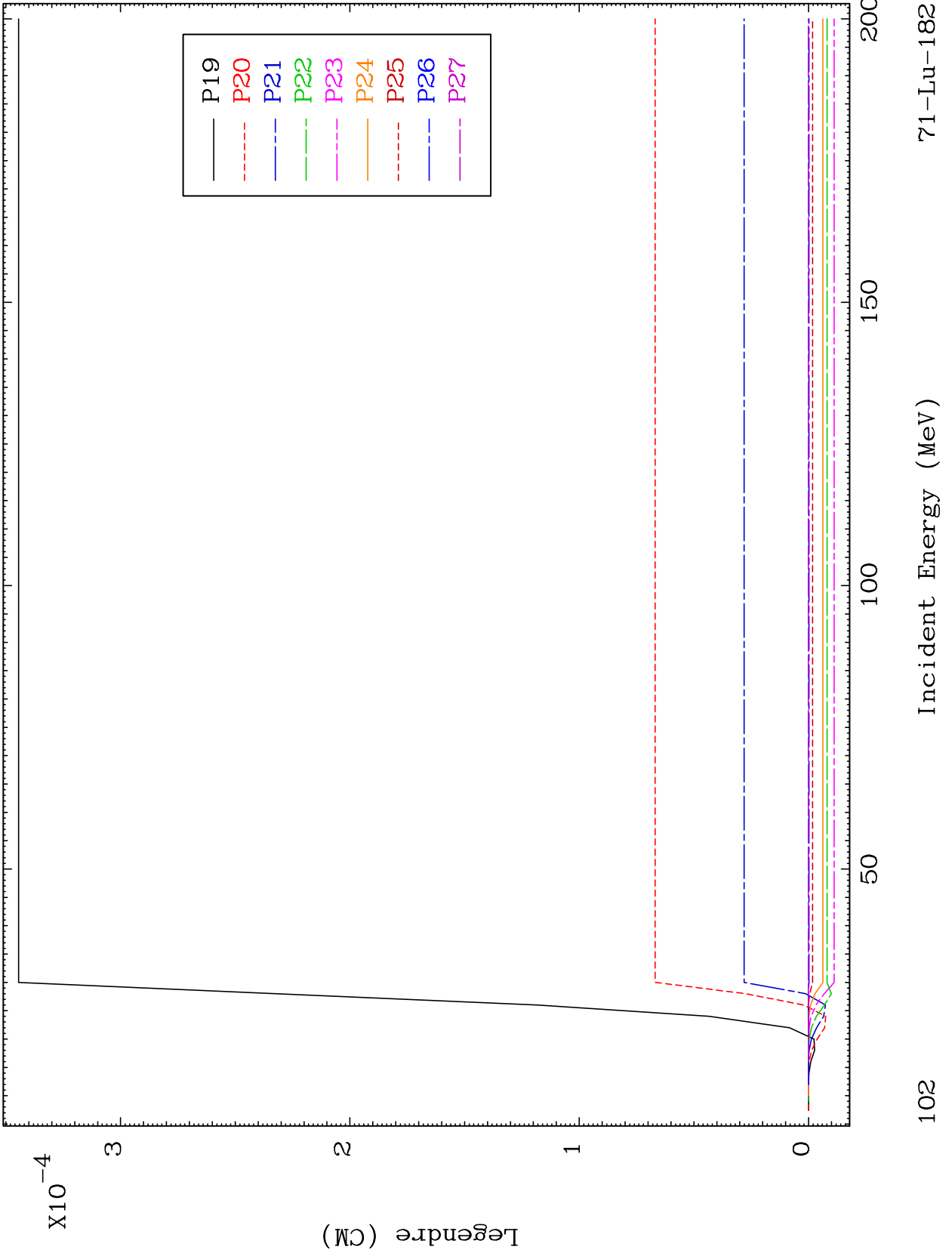
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



102

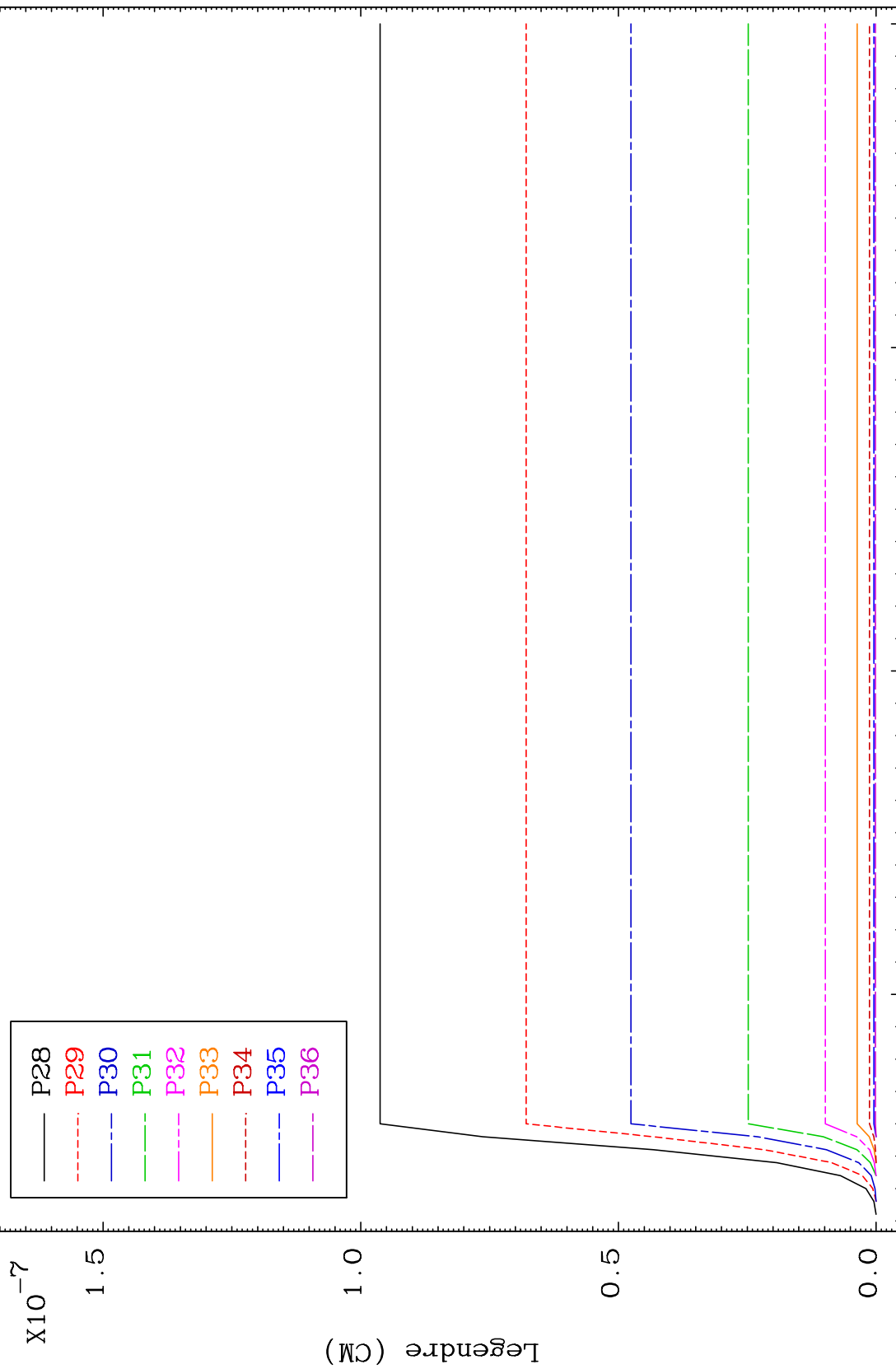
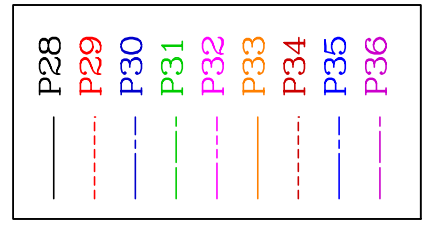
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



103

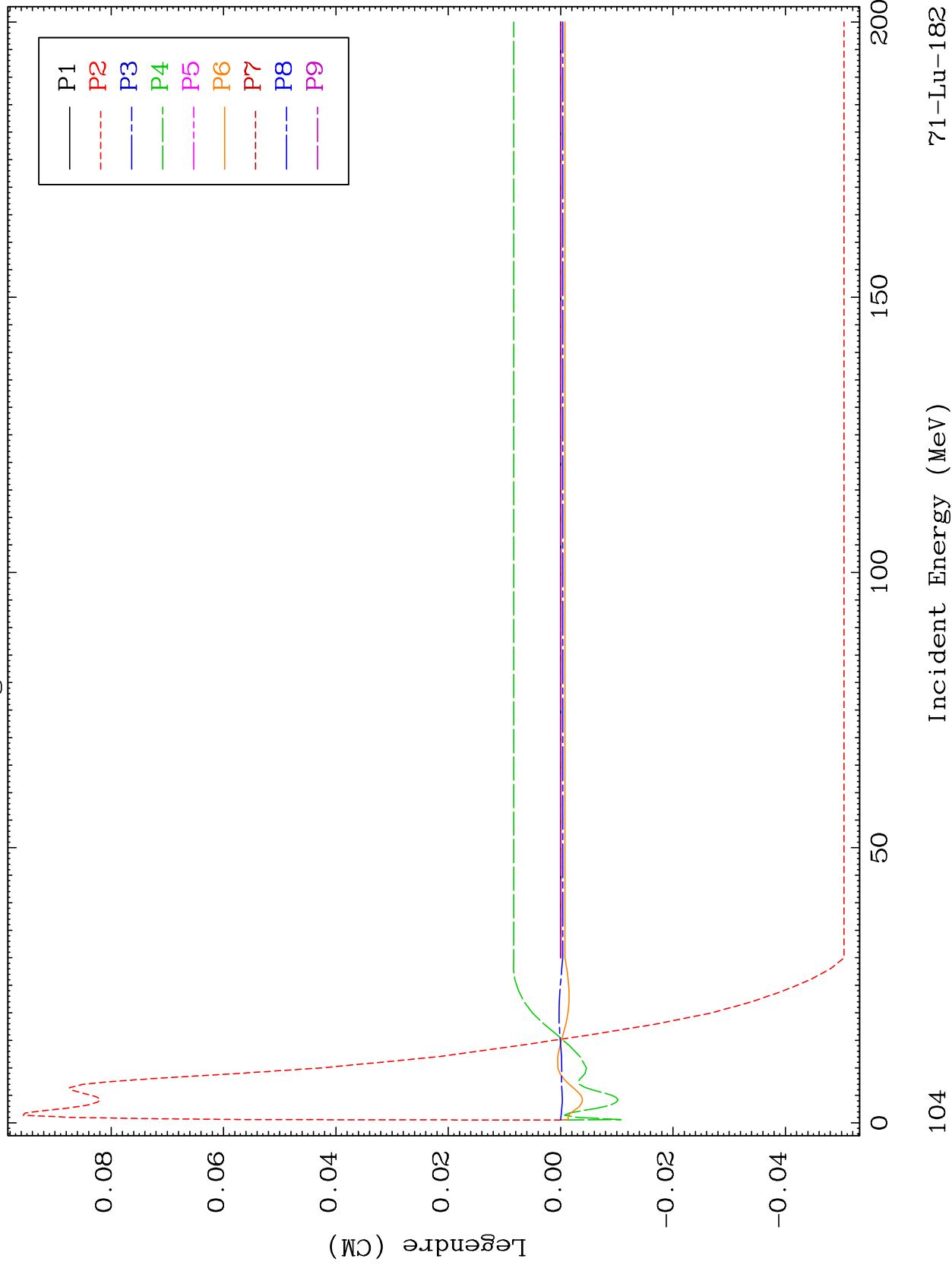
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



71-Lu-182

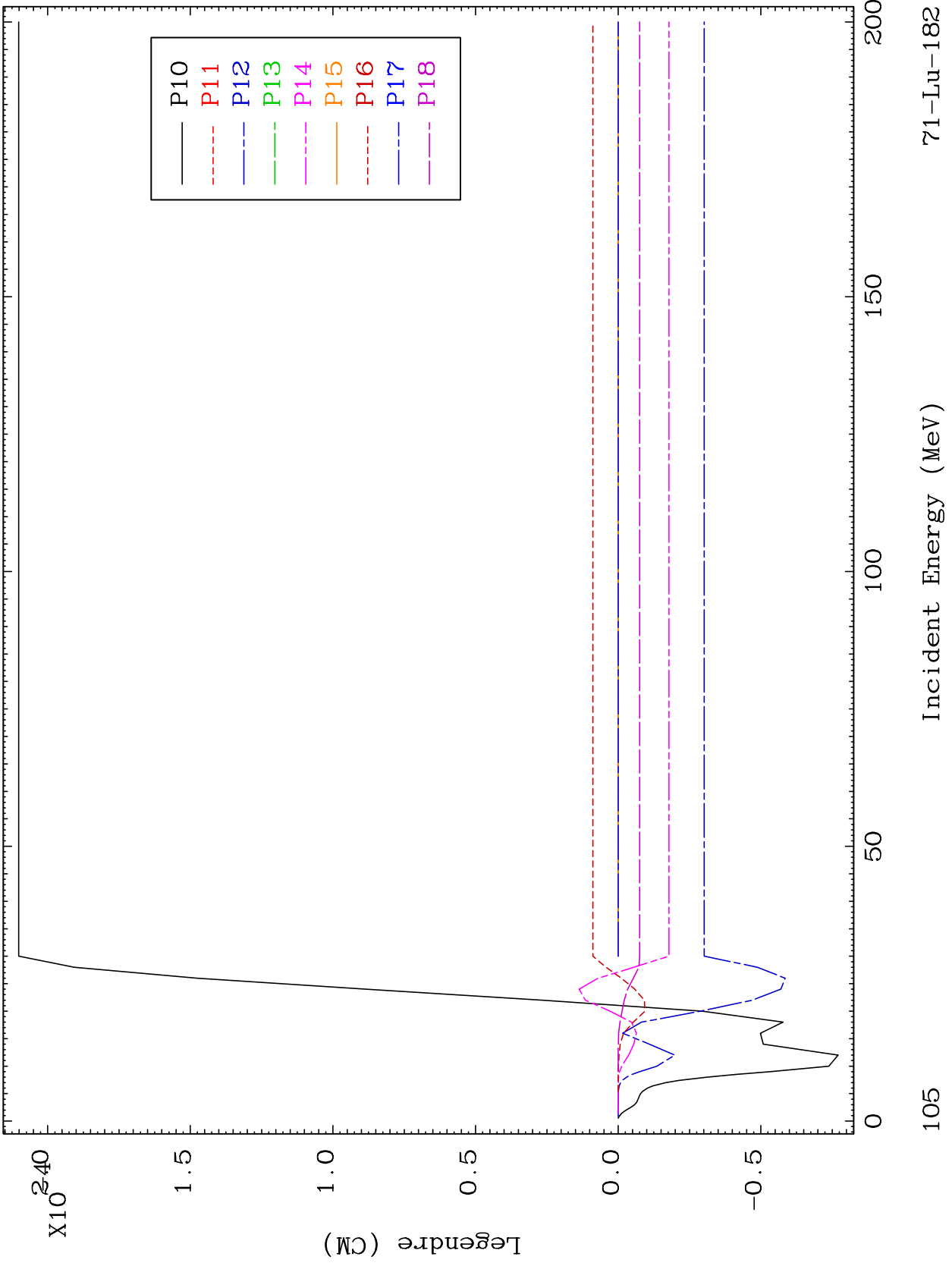
Incident Energy (MeV)

104

MAT 7146

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

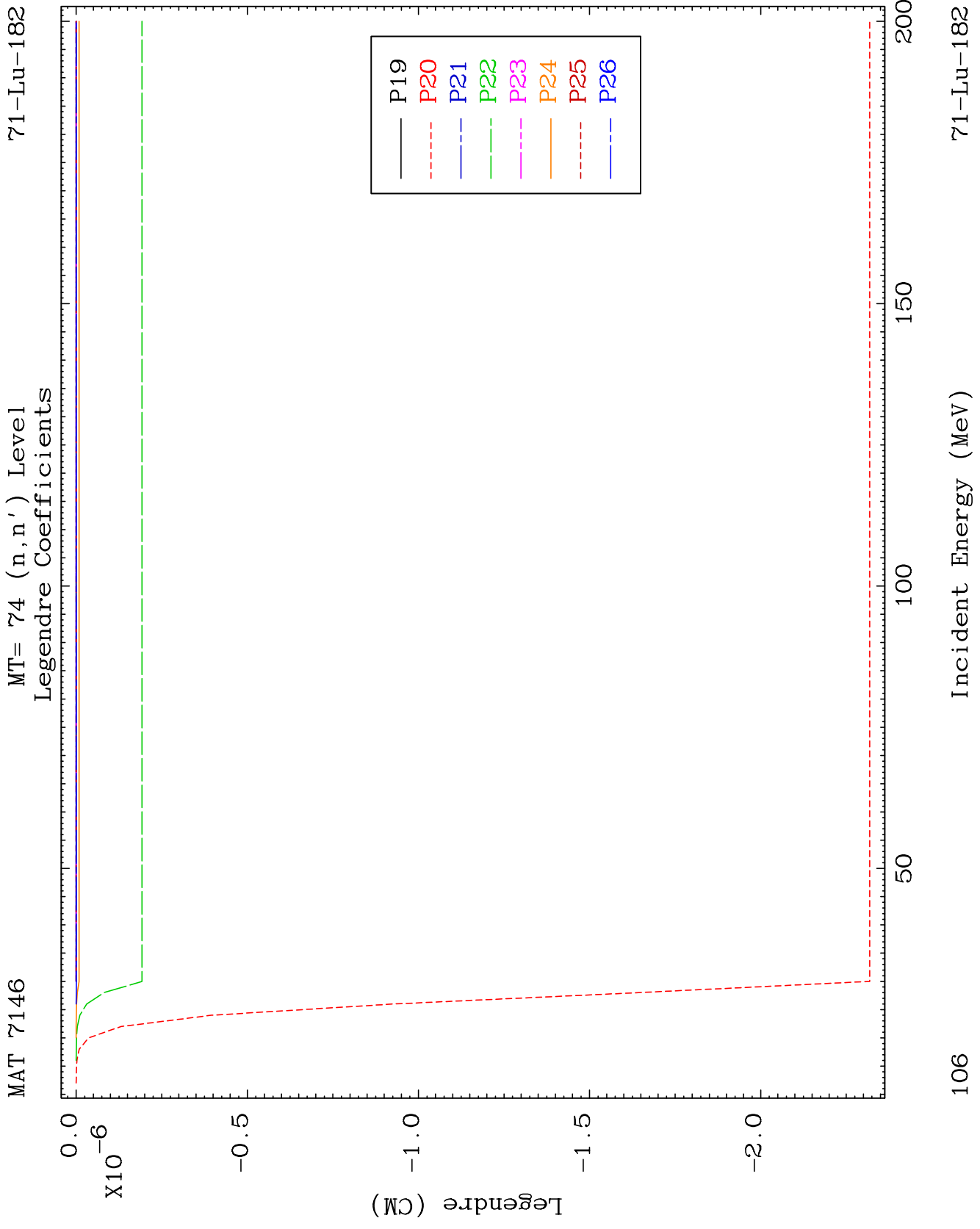
71-Lu-182

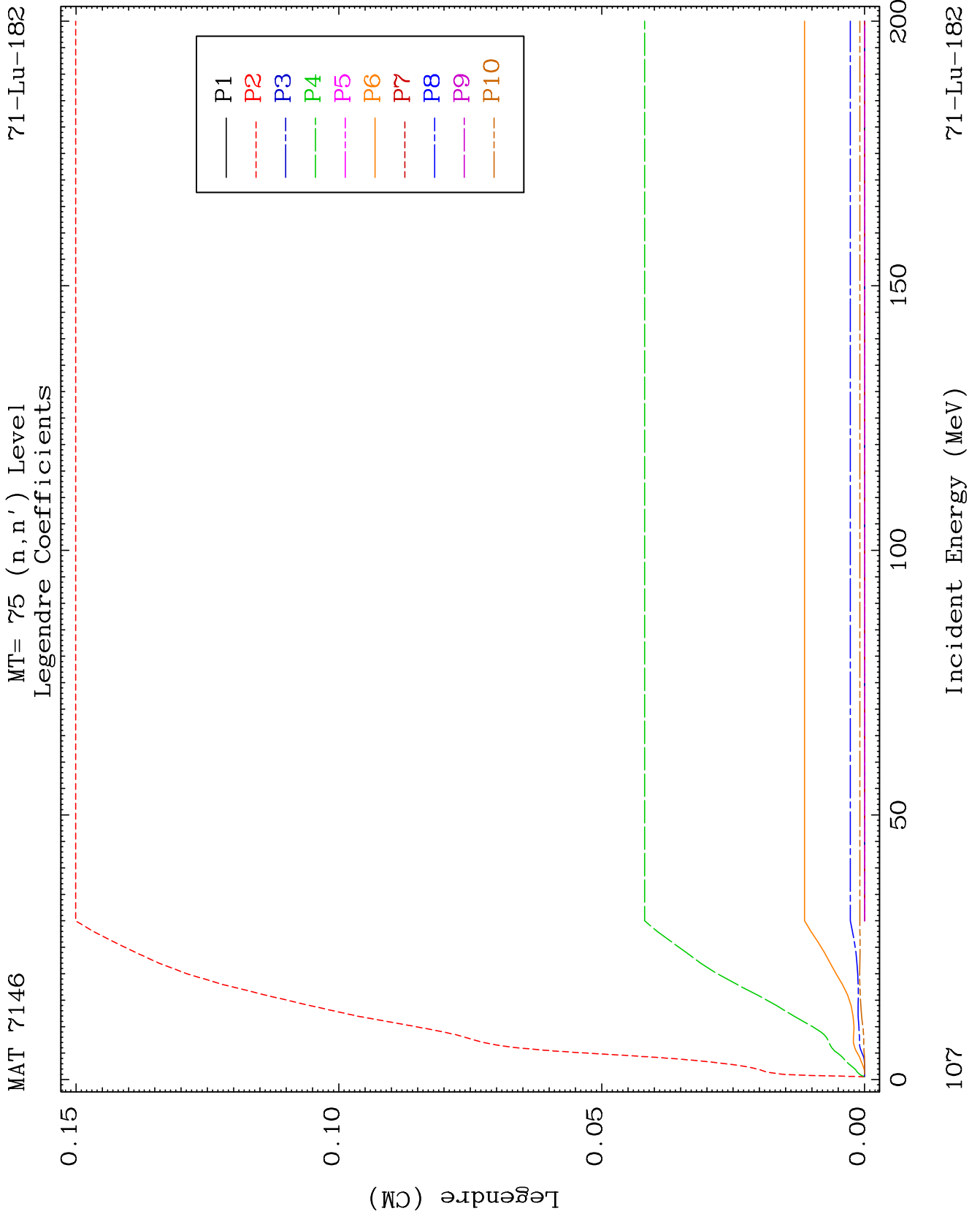


71-Lu-182

Incident Energy (MeV)

105

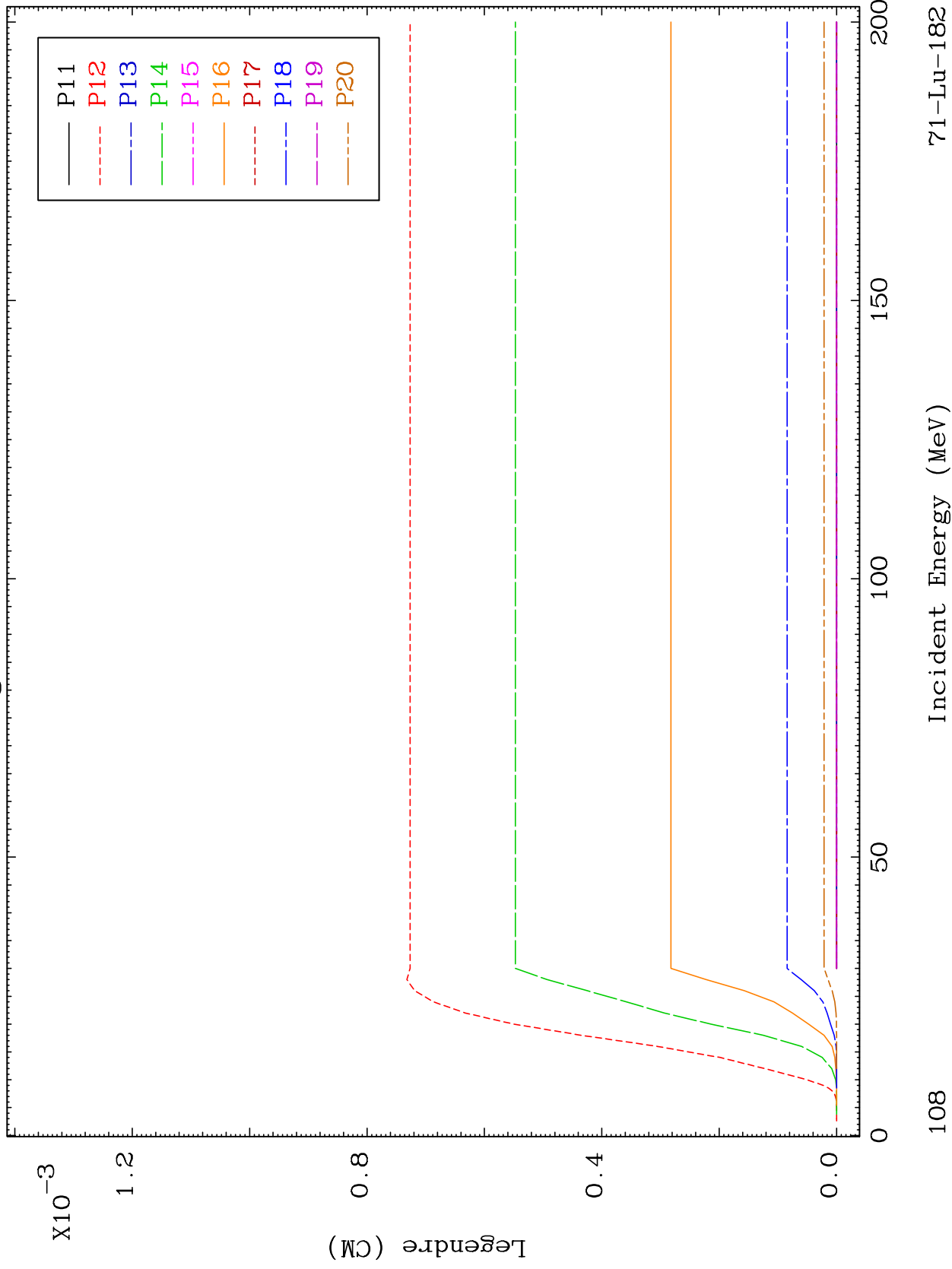




MAT 7146

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

71-Lu-182



108

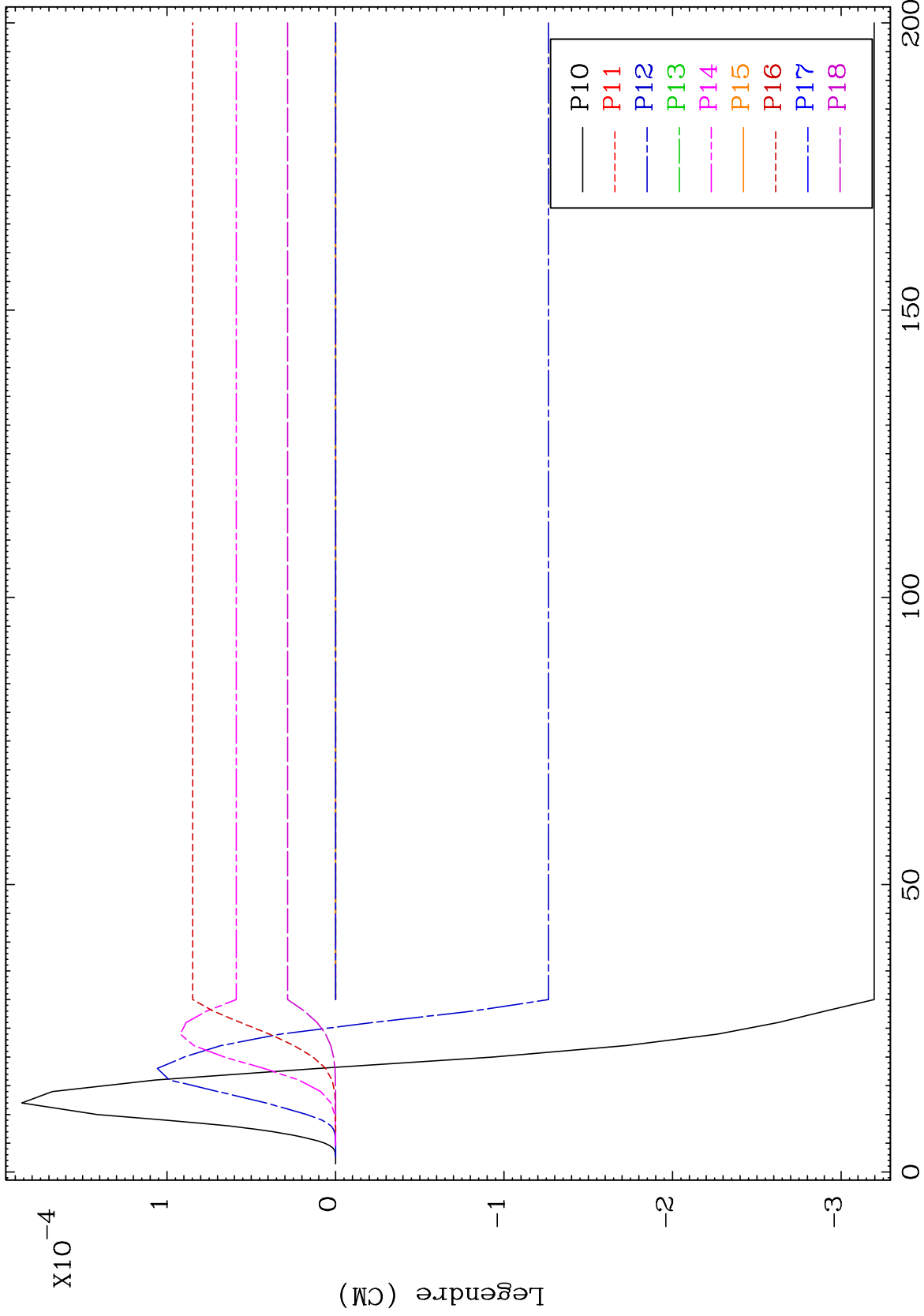
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

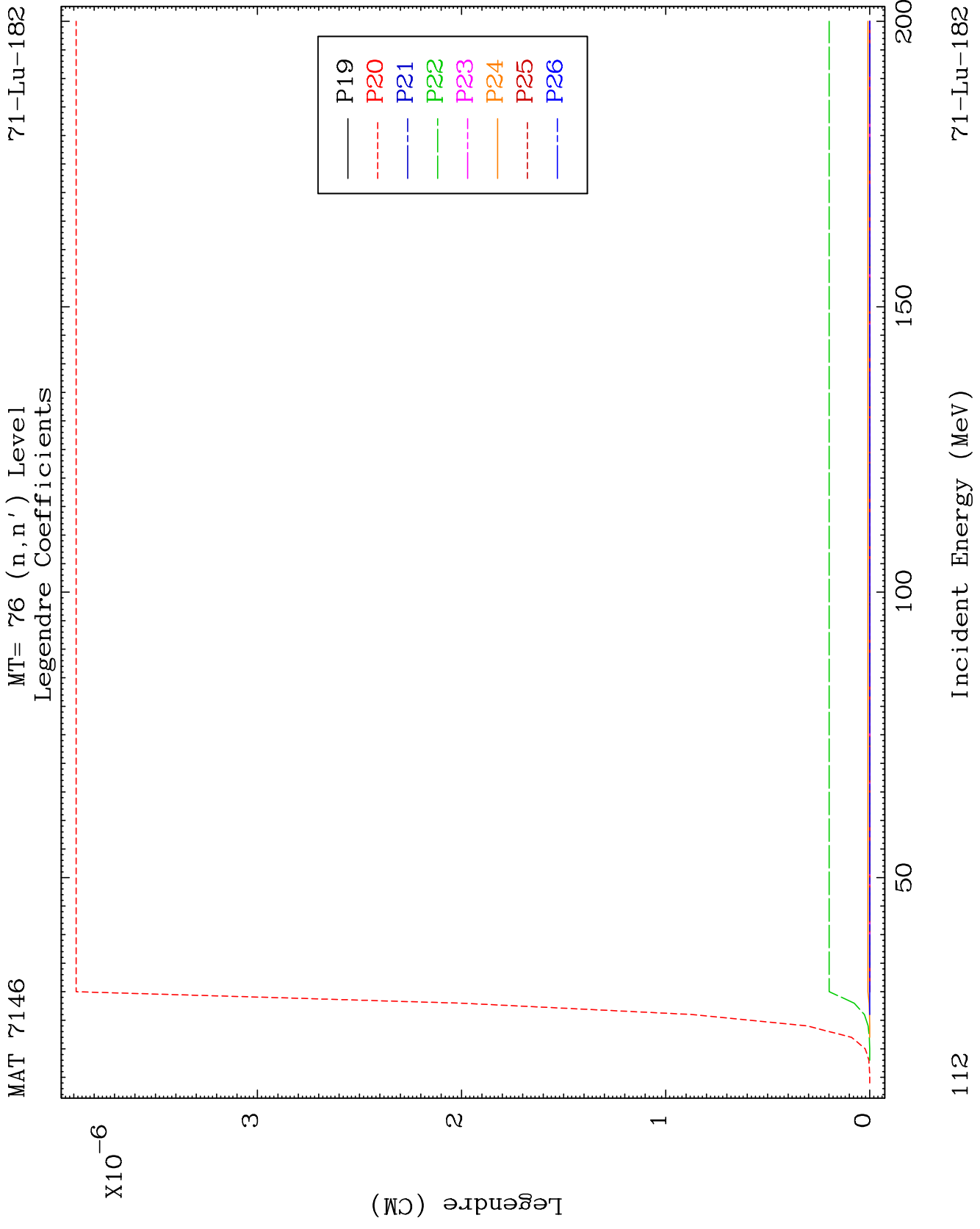
71-Lu-182

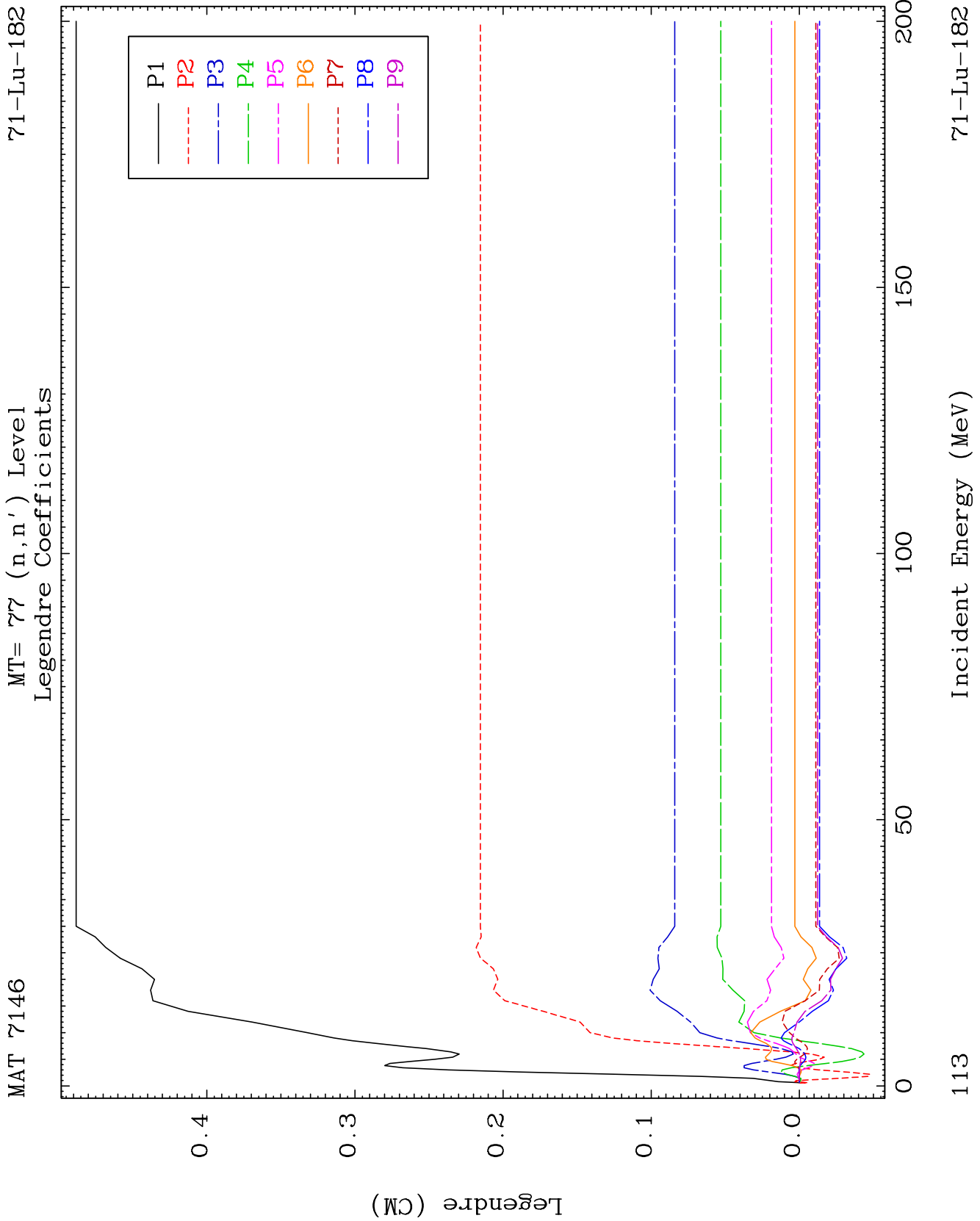


111

Incident Energy (MeV)

71-Lu-182

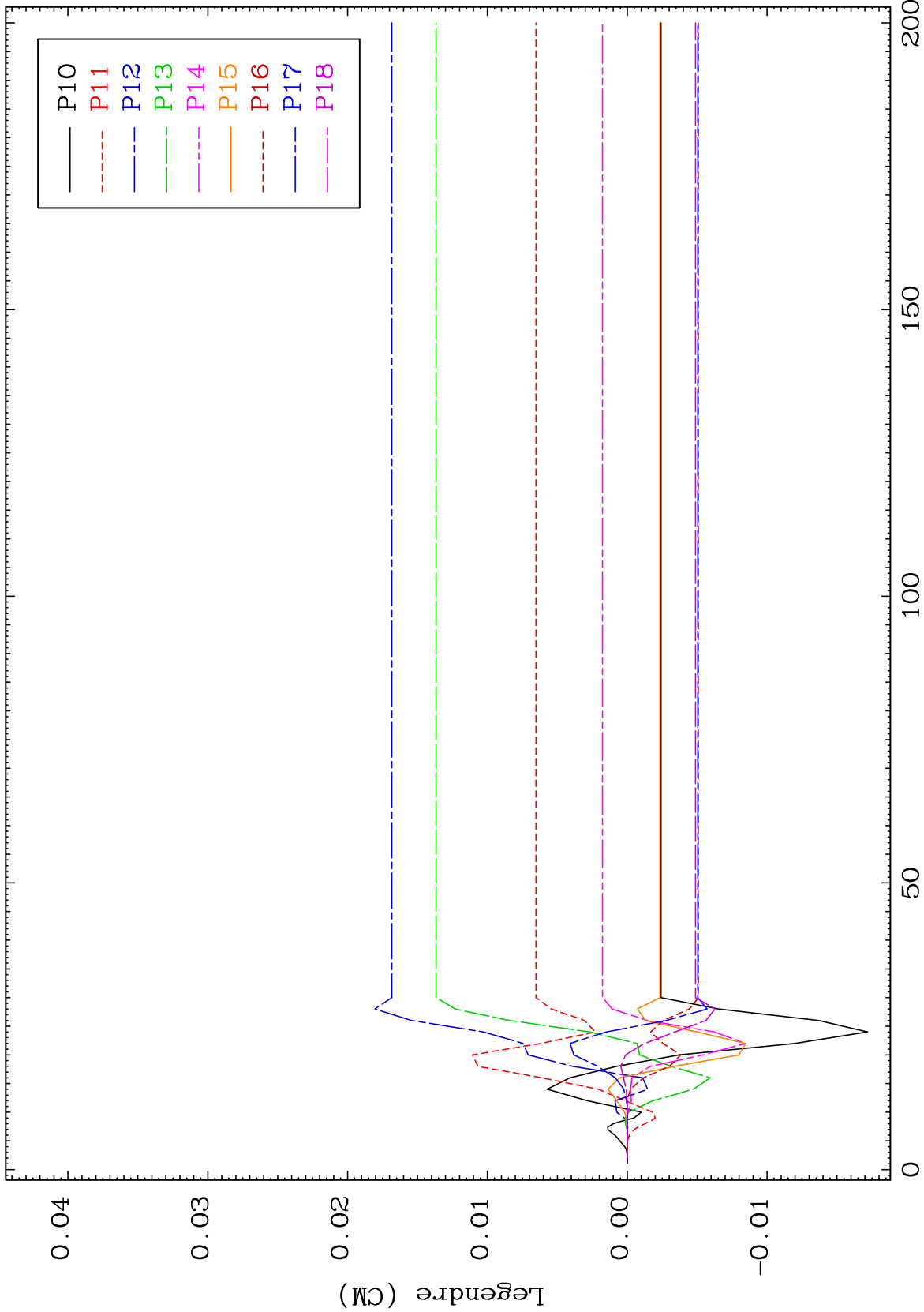




MAT 7146

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

71-Lu-182



114

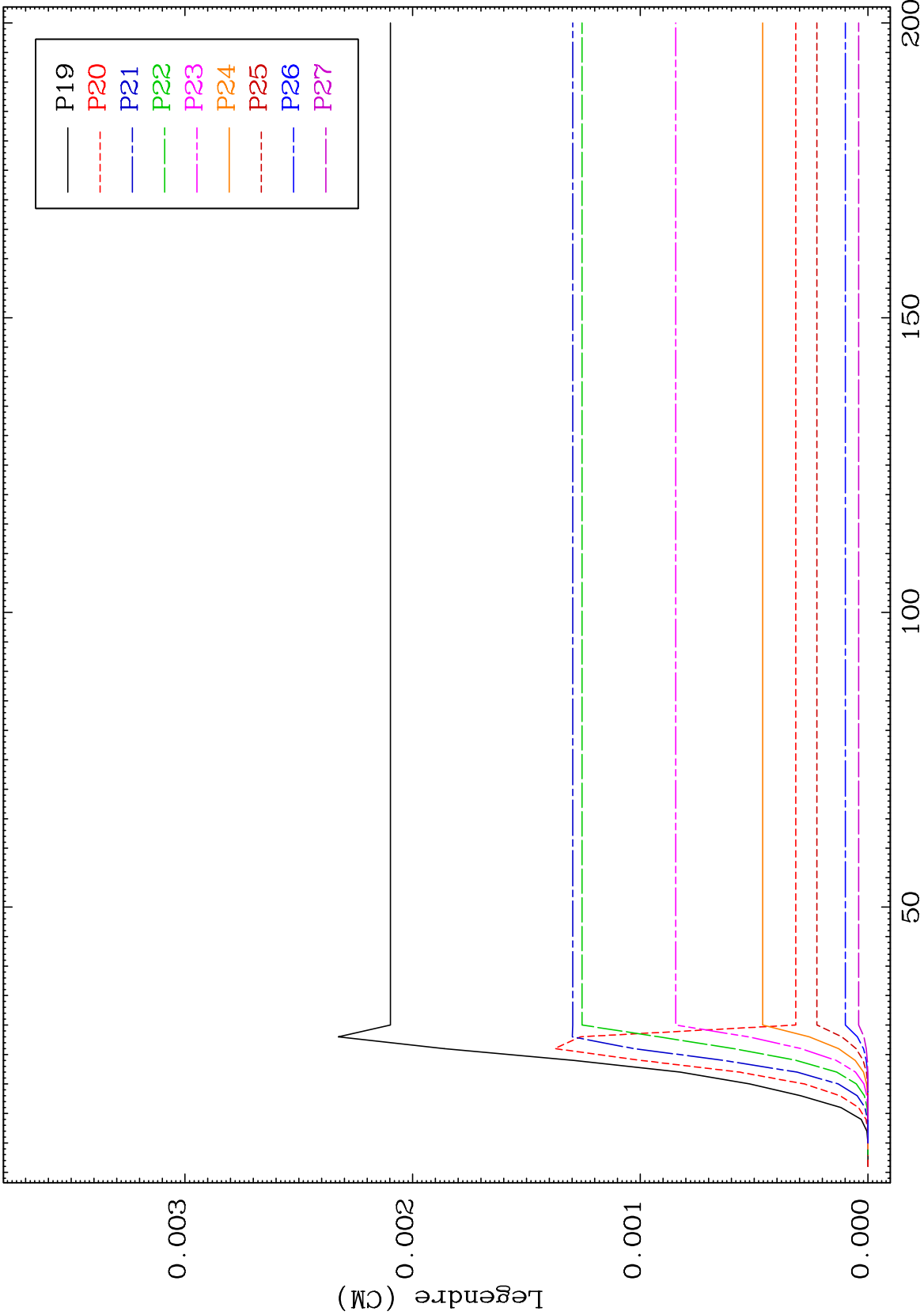
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



115

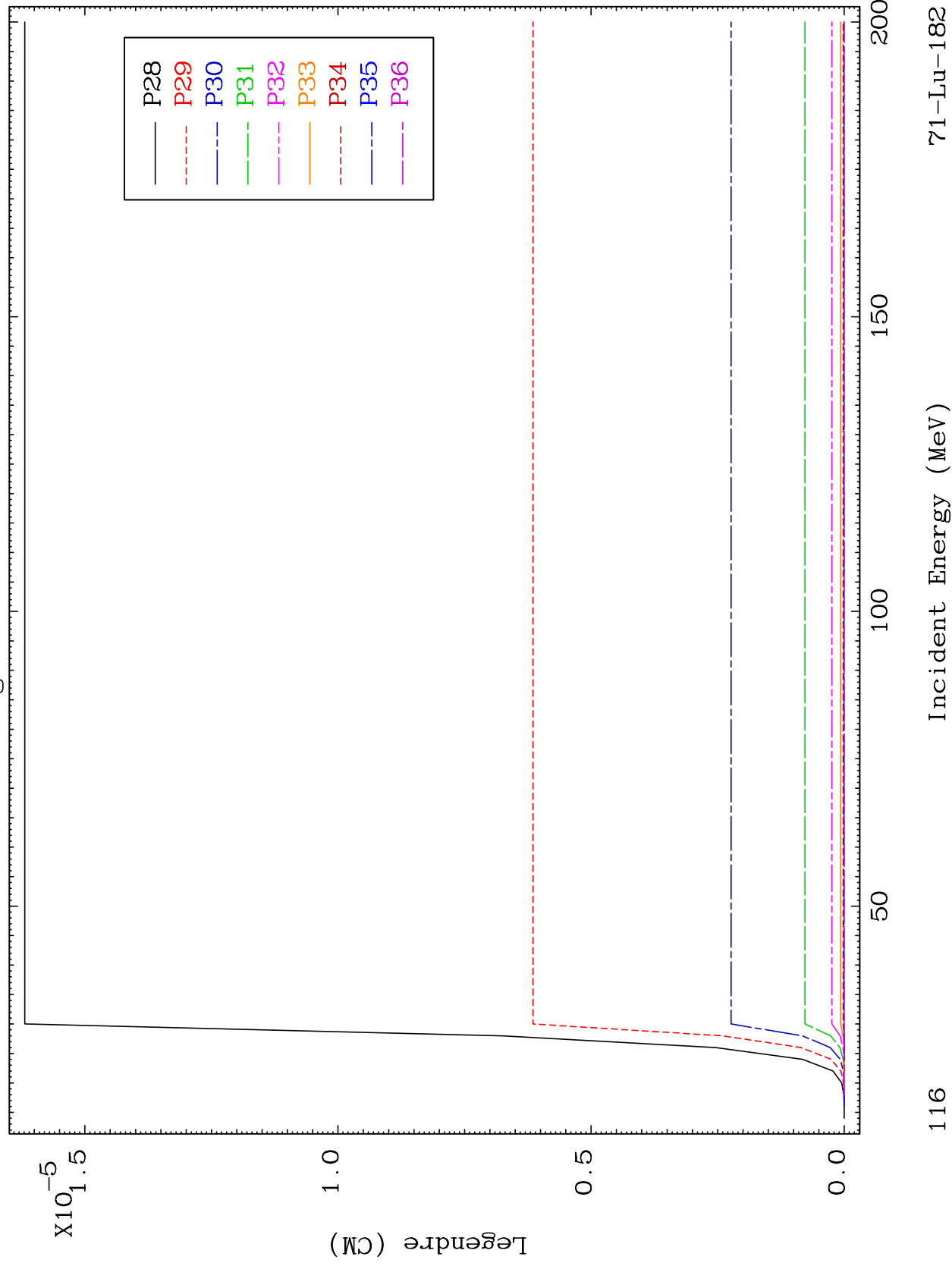
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



116

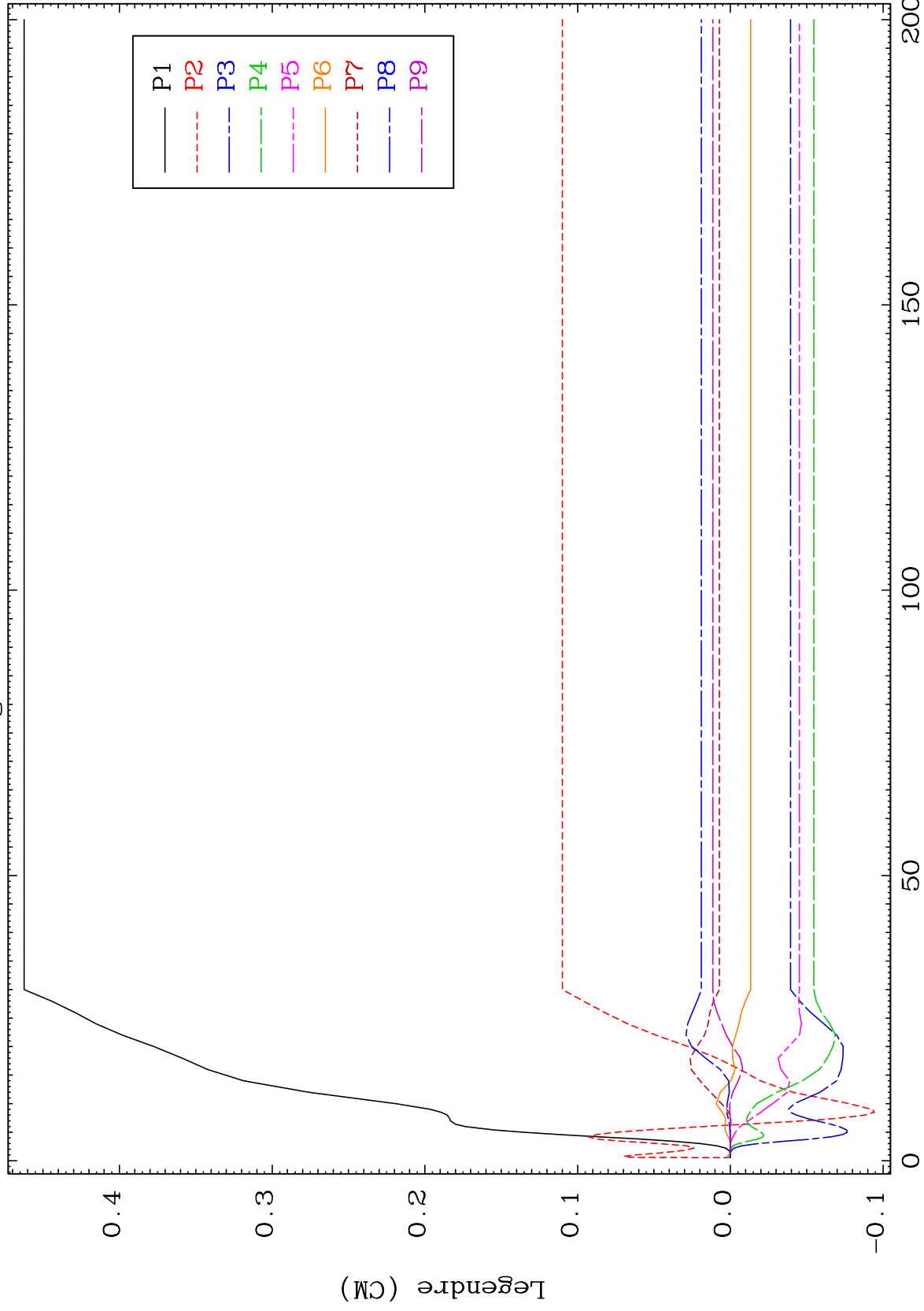
71-Lu-182

MAT 7146

MT= 78 (n,n') Level

71-Lu-182

Legendre Coefficients



117

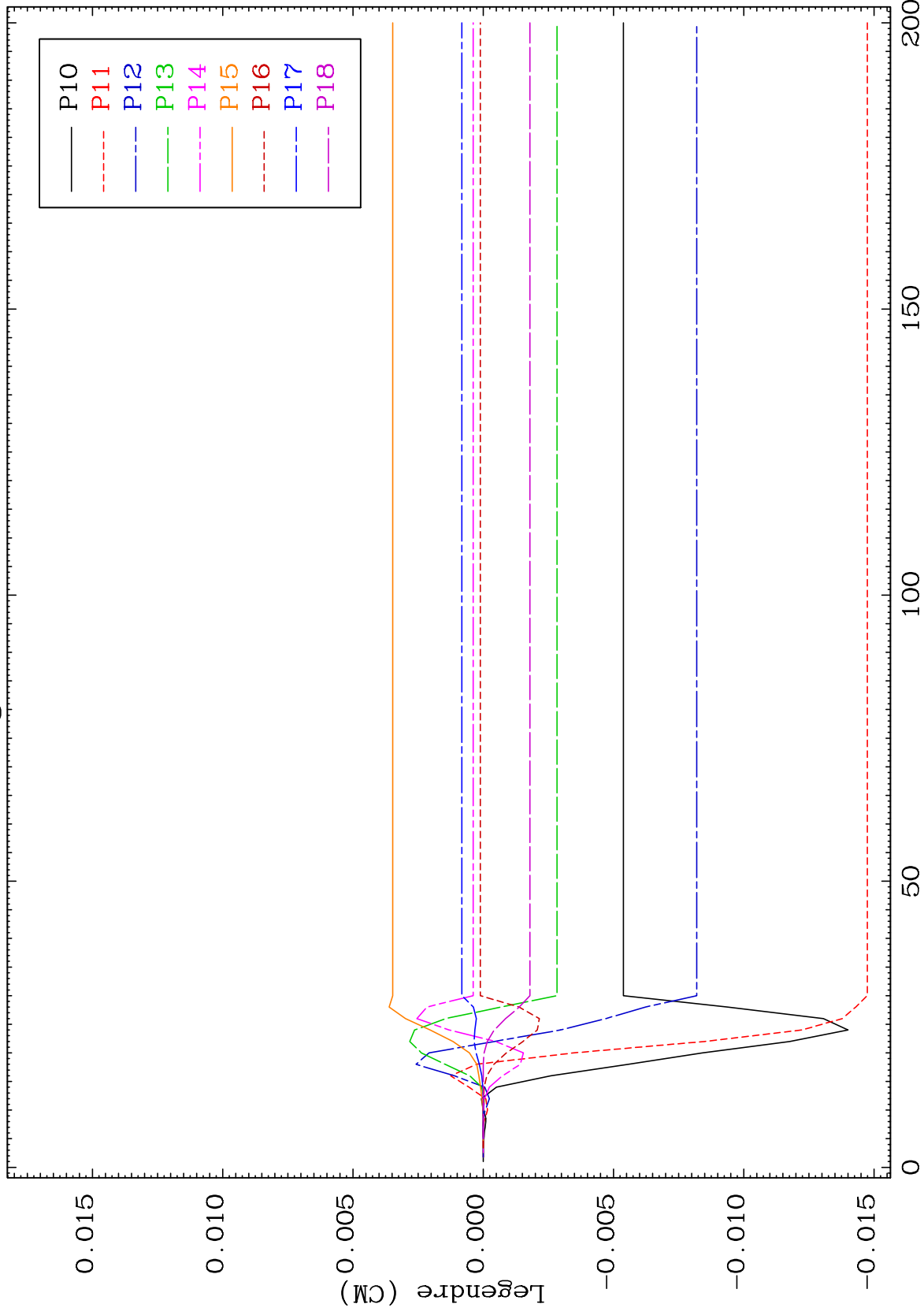
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



118

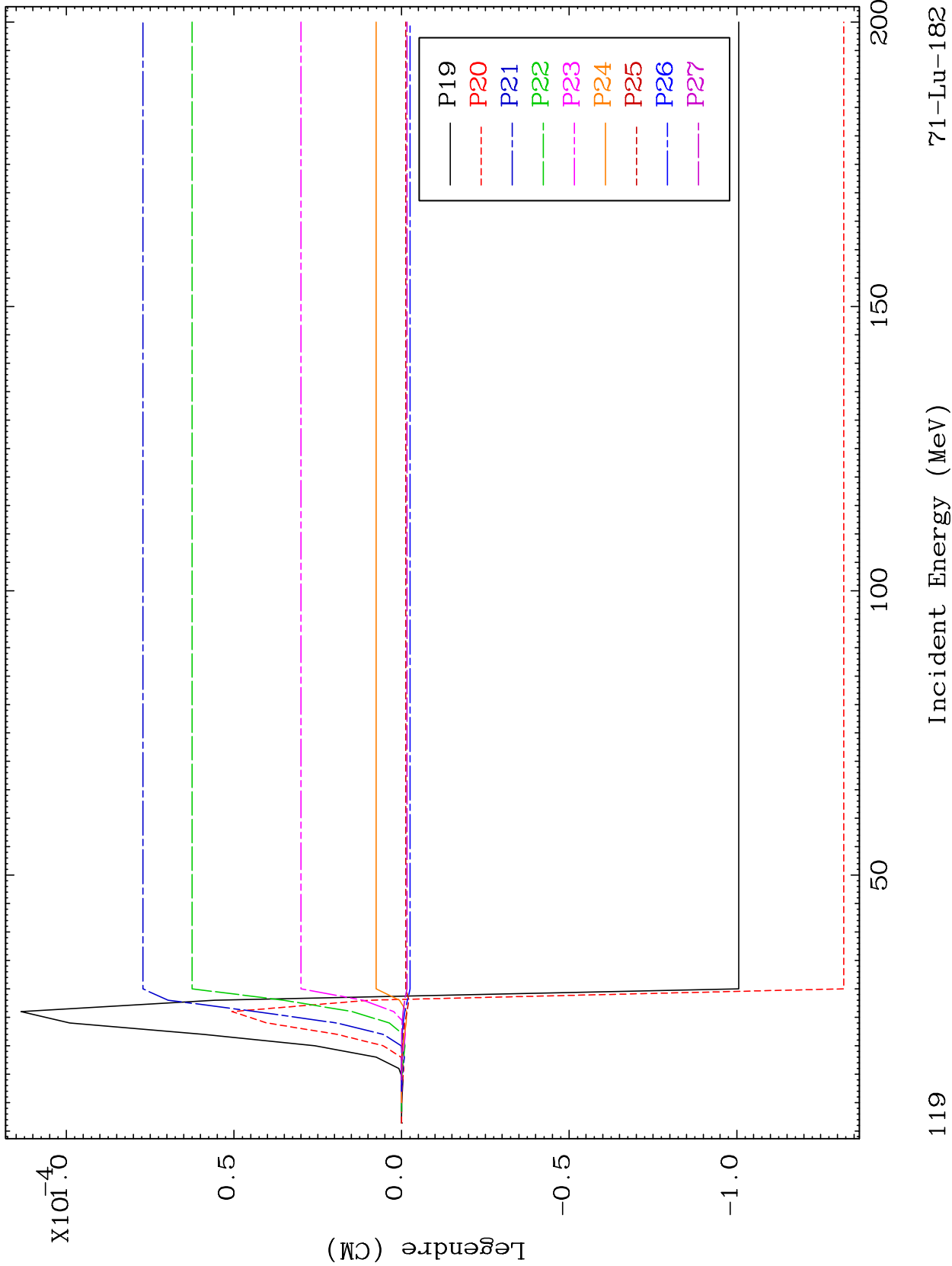
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

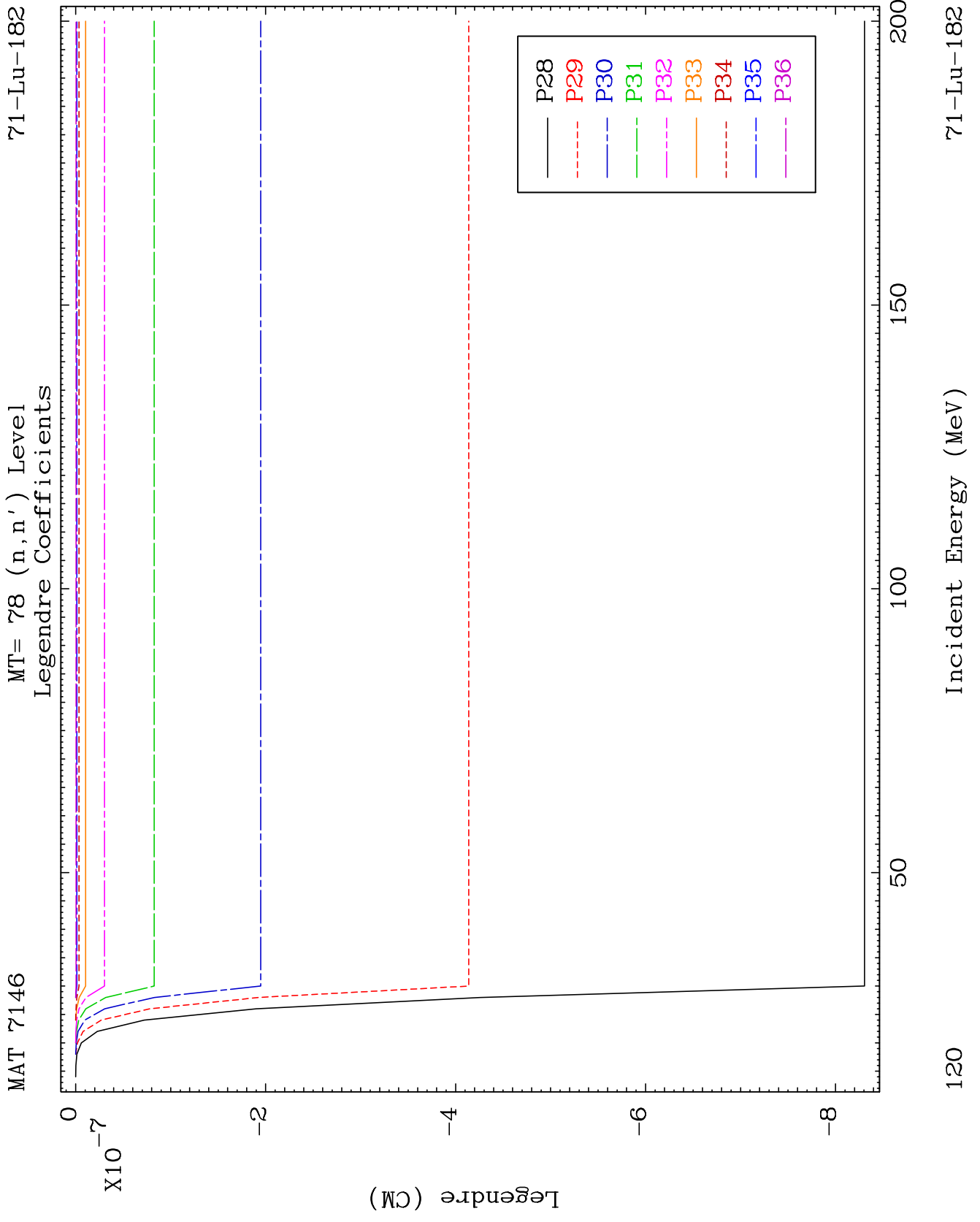
71-Lu-182



119

Incident Energy (MeV)

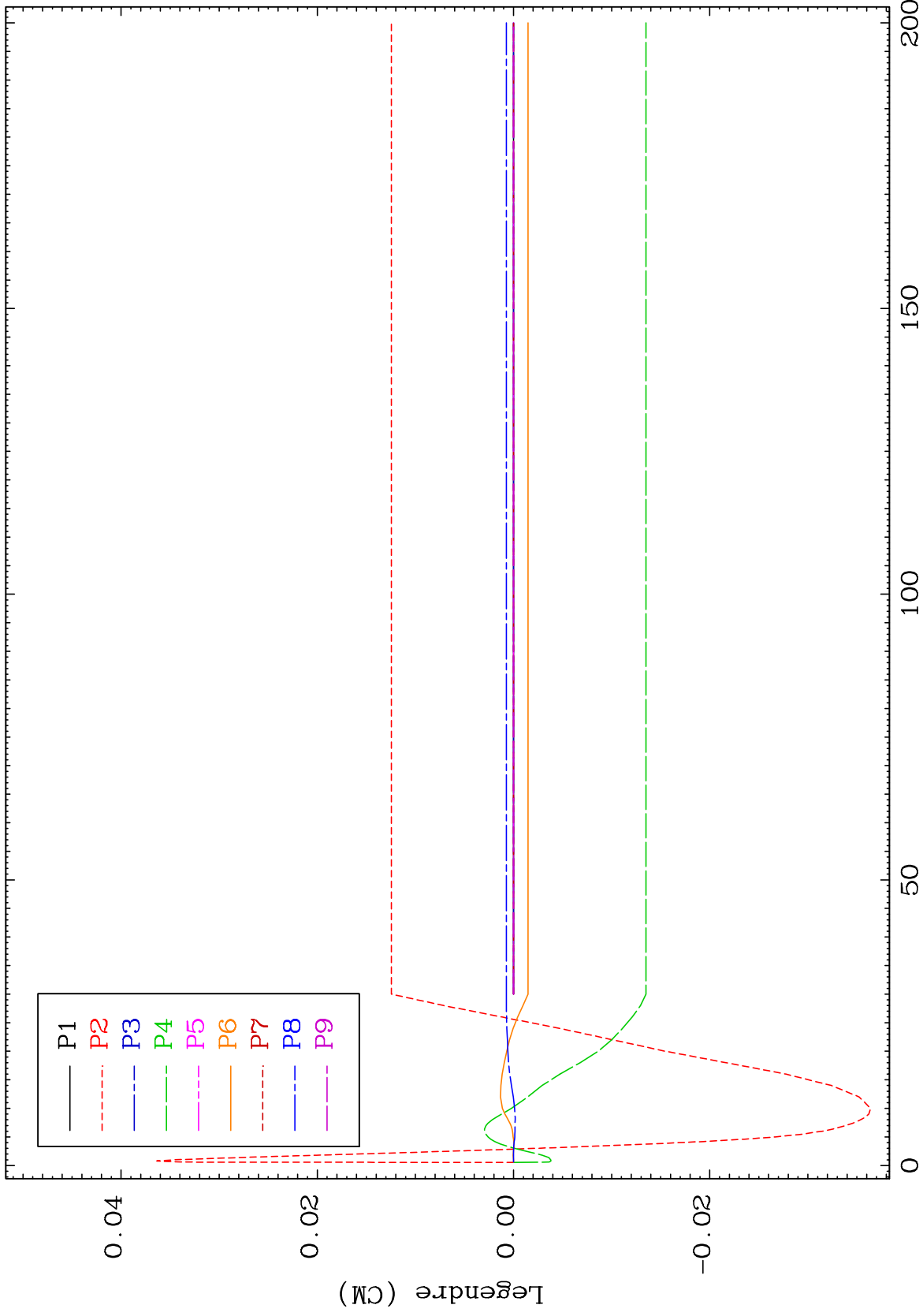
71-Lu-182



MAT 7146

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

71-Lu-182



121

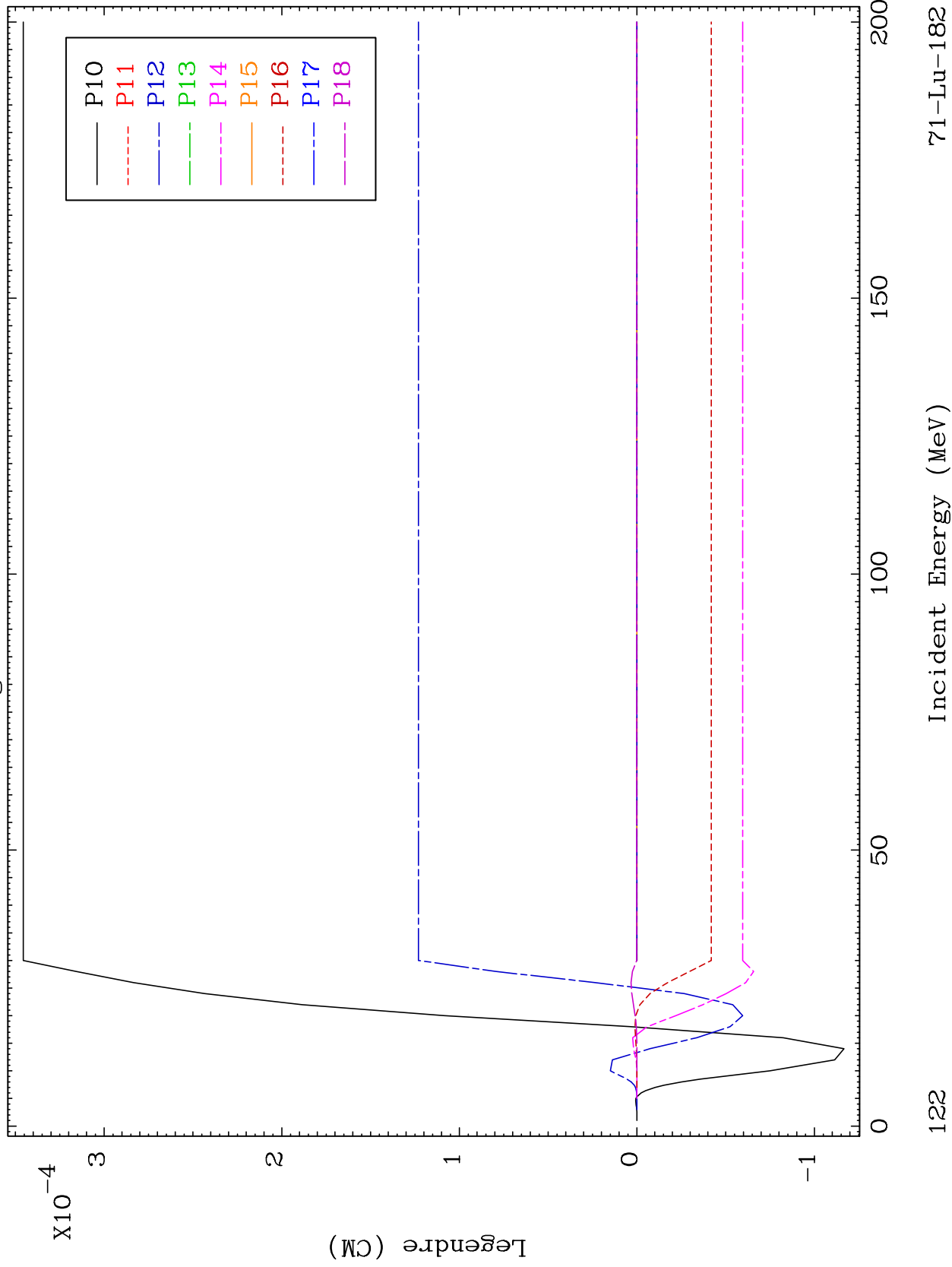
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

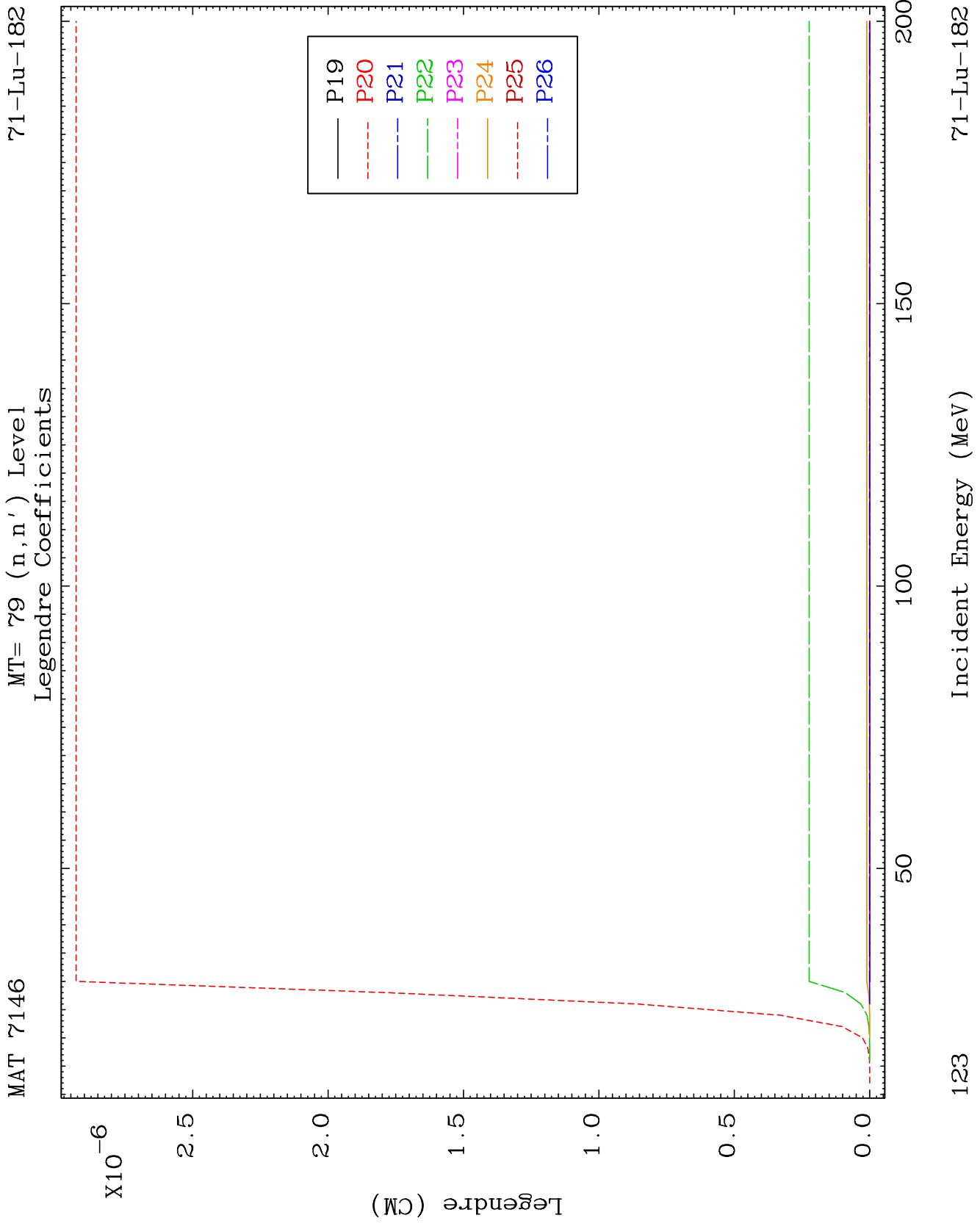
71-Lu-182

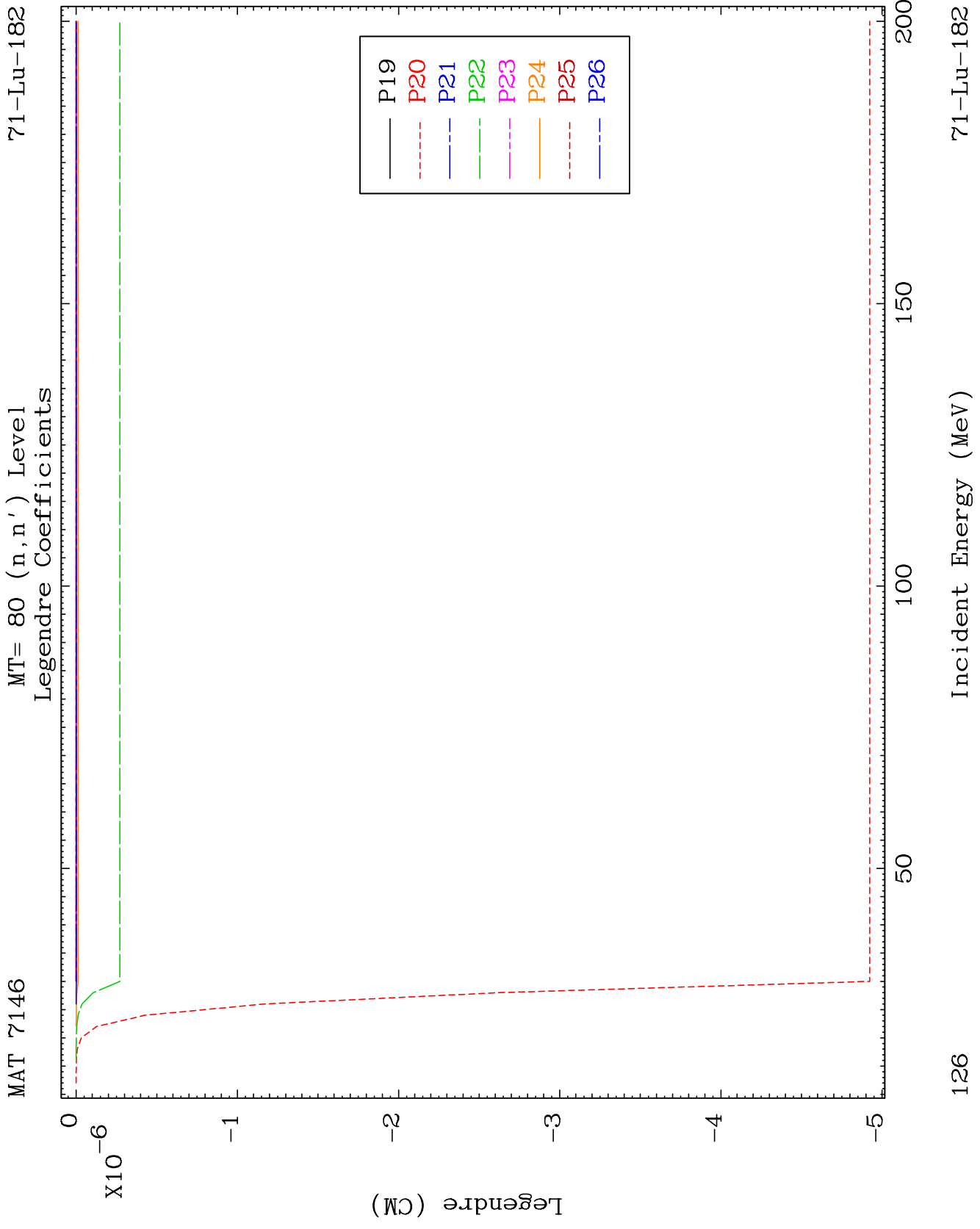


71-Lu-182

Incident Energy (MeV)

122





71-Lu-182

Incident Energy (MeV)

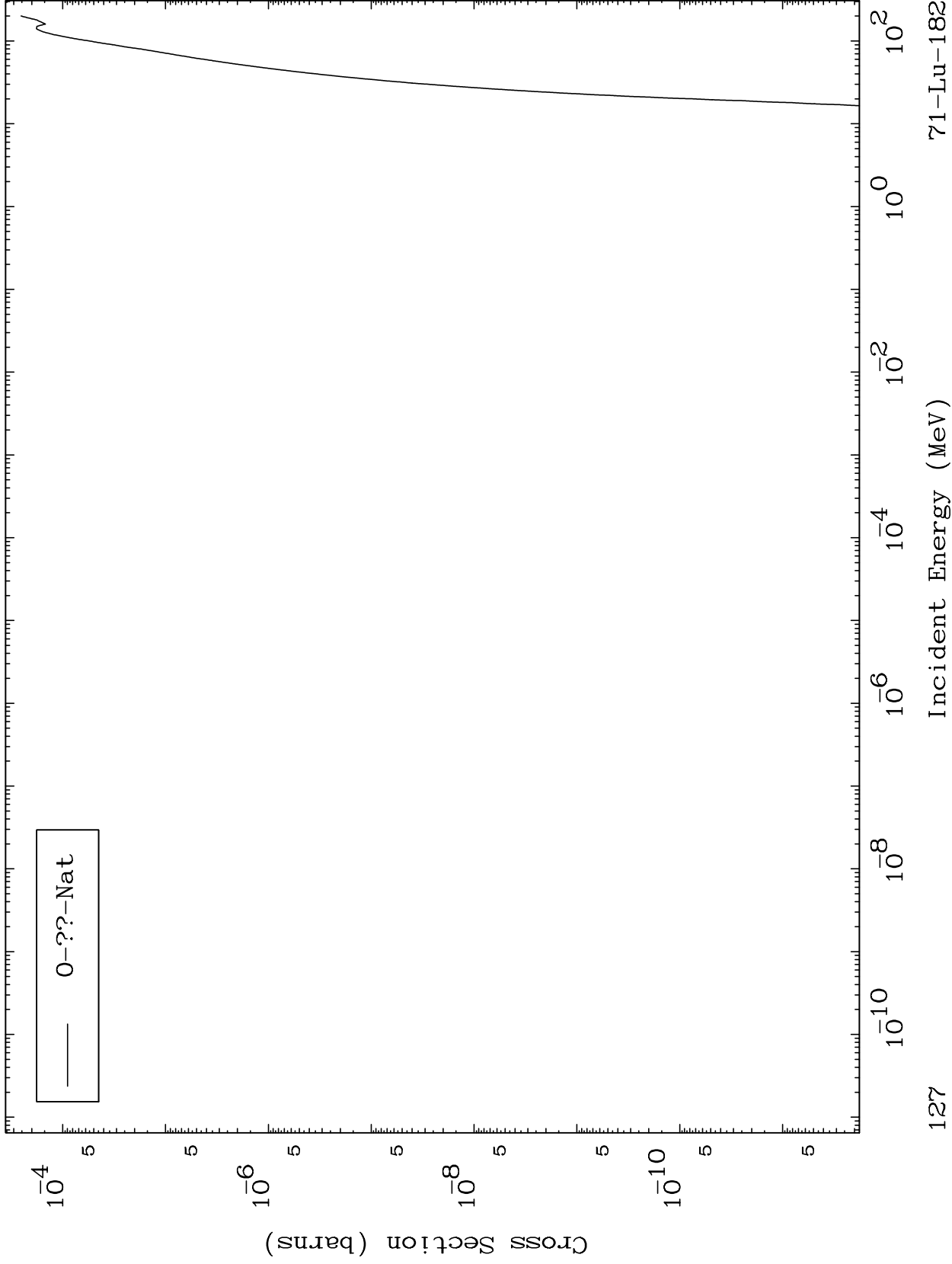
126

MAT 7146

Fission

71-Lu-182

Radionuclide Production Cross Section



127

Incident Energy (MeV)

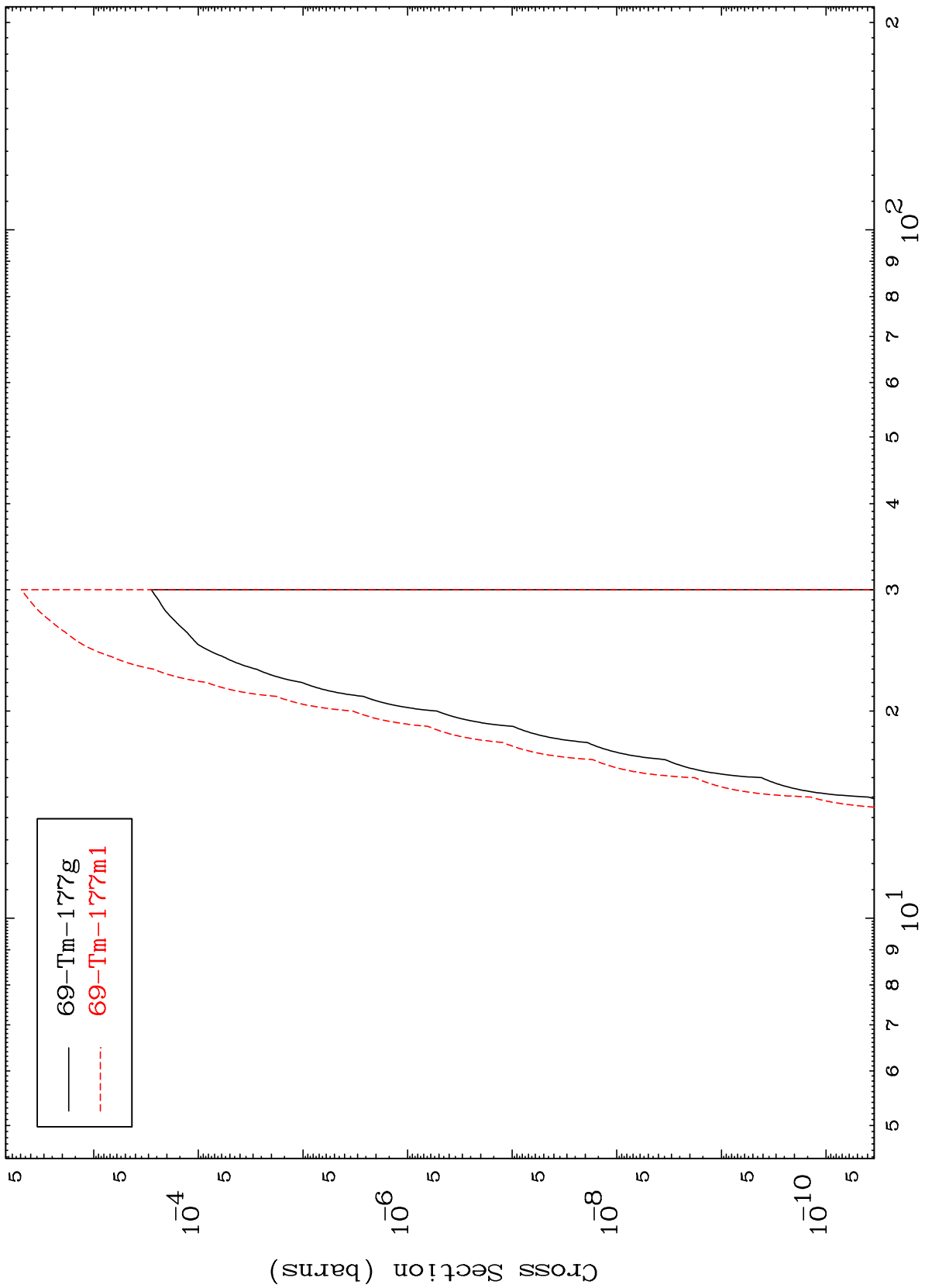
71-Lu-182

MAT 7146

$(n, 2n) \alpha$

$^{71}\text{Lu-182}$

Radionuclide Production Cross Section



128

Incident Energy (MeV)

$^{71}\text{Lu-182}$