

Program EVALPLOT
(Version 2021-1)

by

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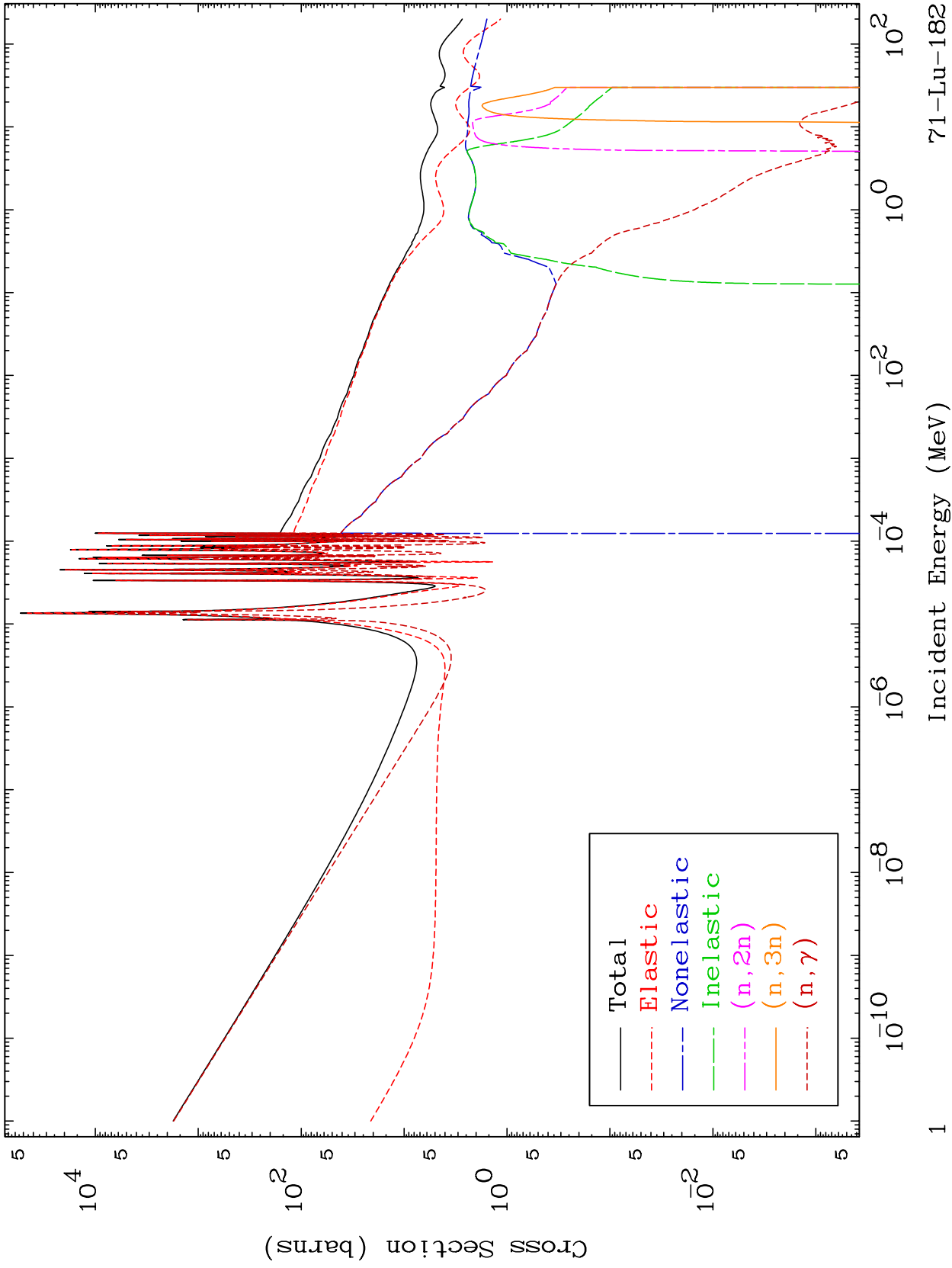
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Press Mouse Button to Start

MAT 7146

Neutron Major
293 Kelvin Cross Sections

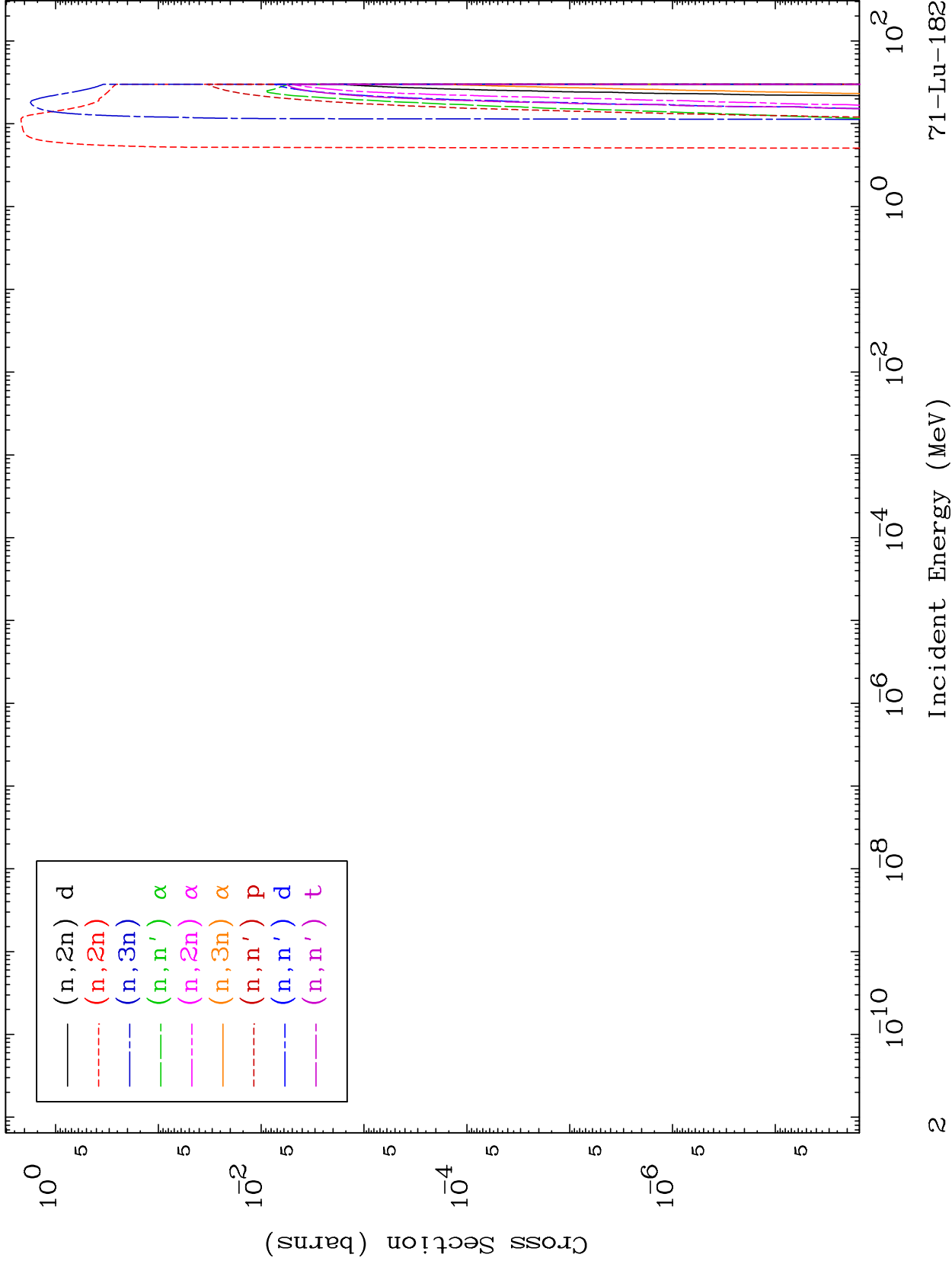
71-Lu-182



MAT 7146

Neutron Absorption
293 Kelvin Cross Sections

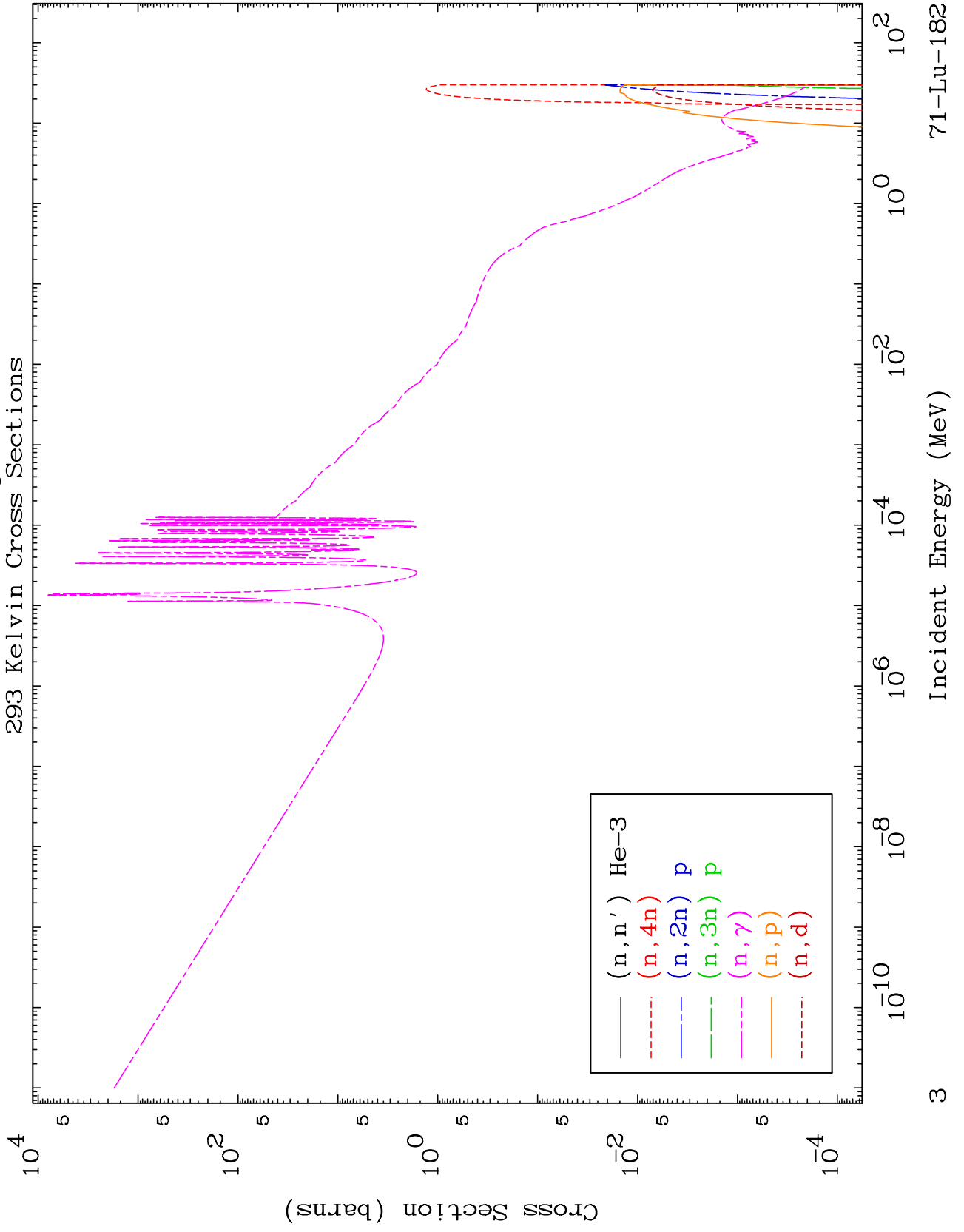
71-Lu-182

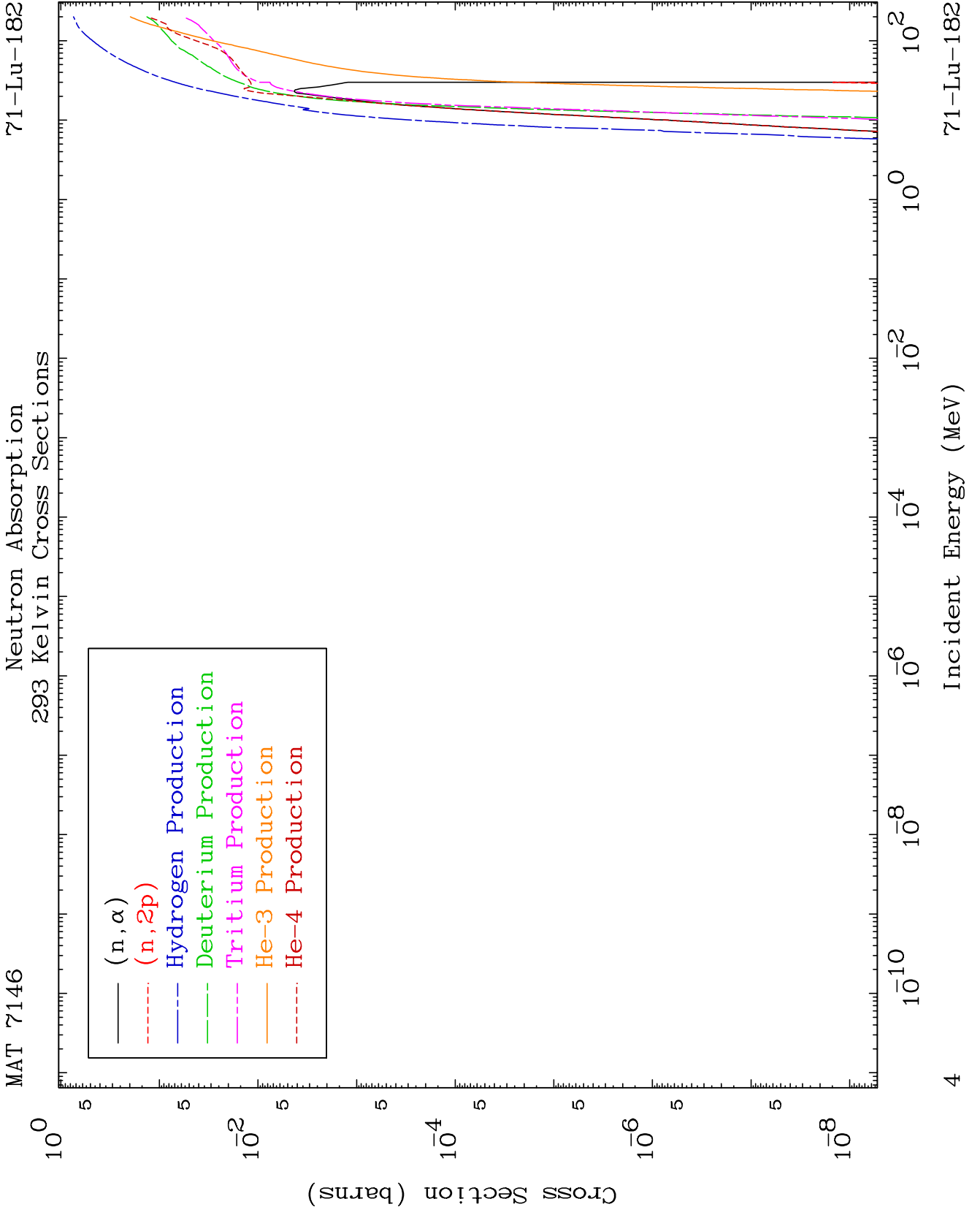


MAT 7146

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-182

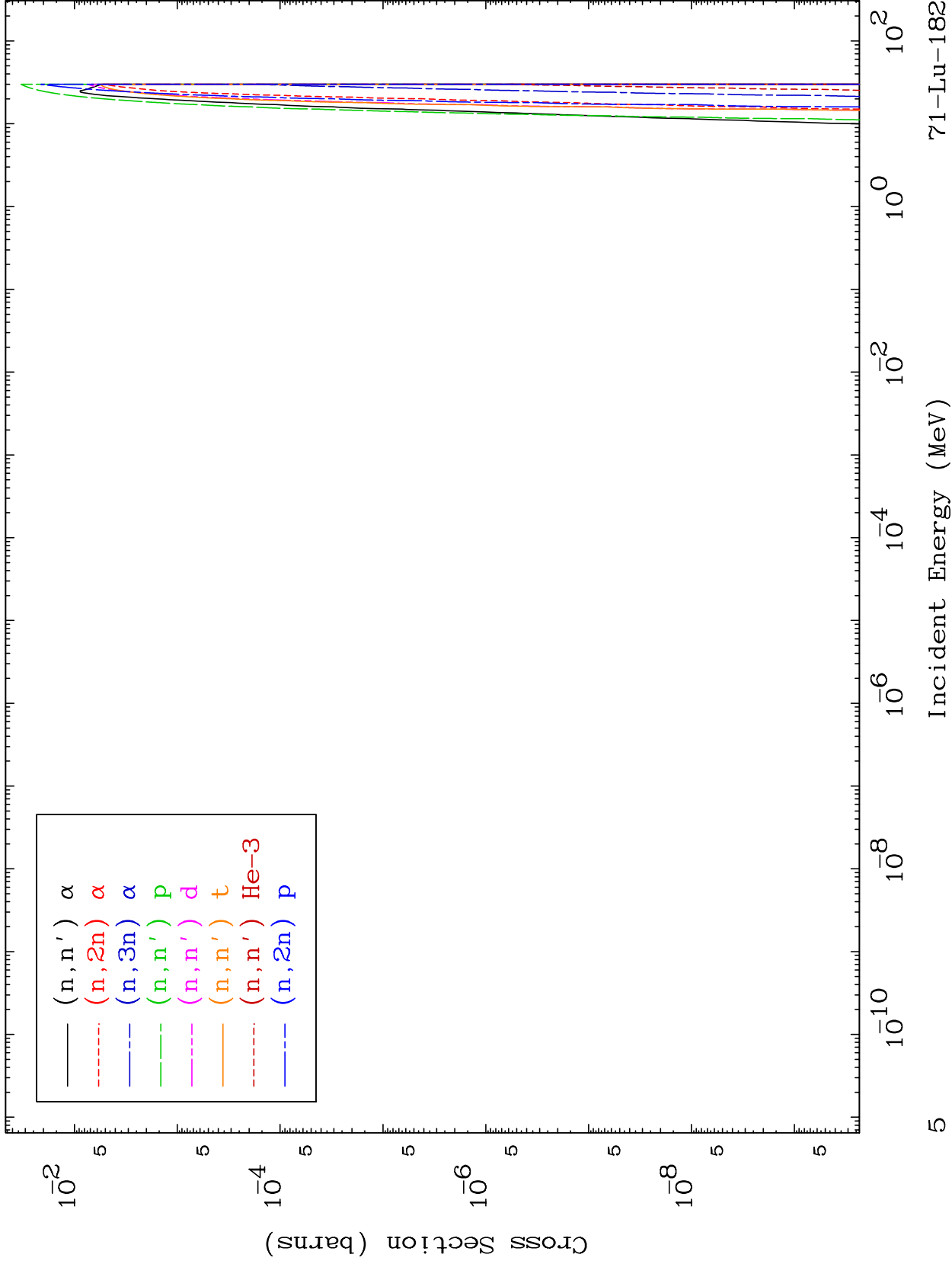




MAT 7146

Charged Particle
293 Kelvin Cross Sections

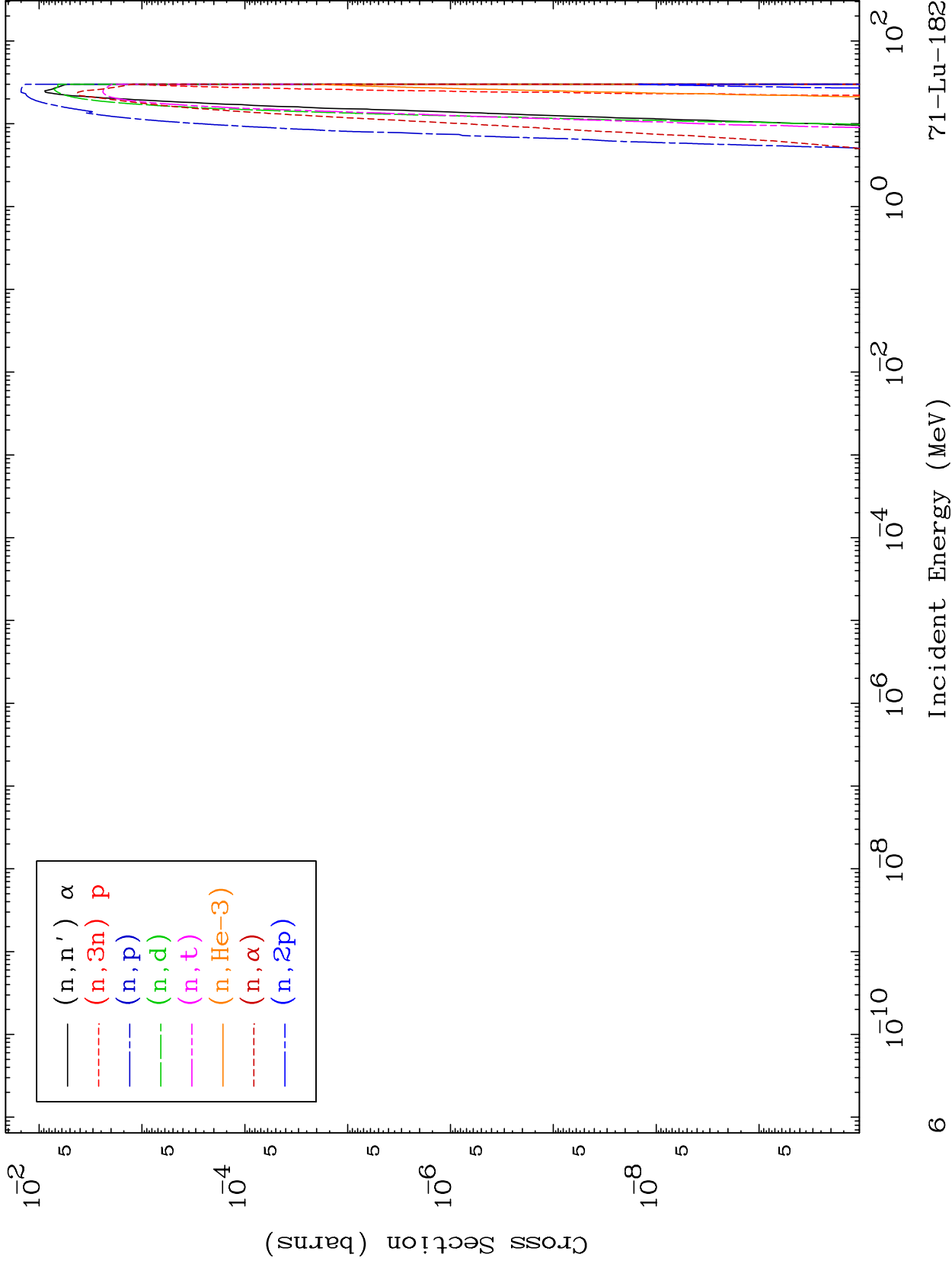
71-Lu-182



MAT 7146

Charged Particle
293 Kelvin Cross Sections

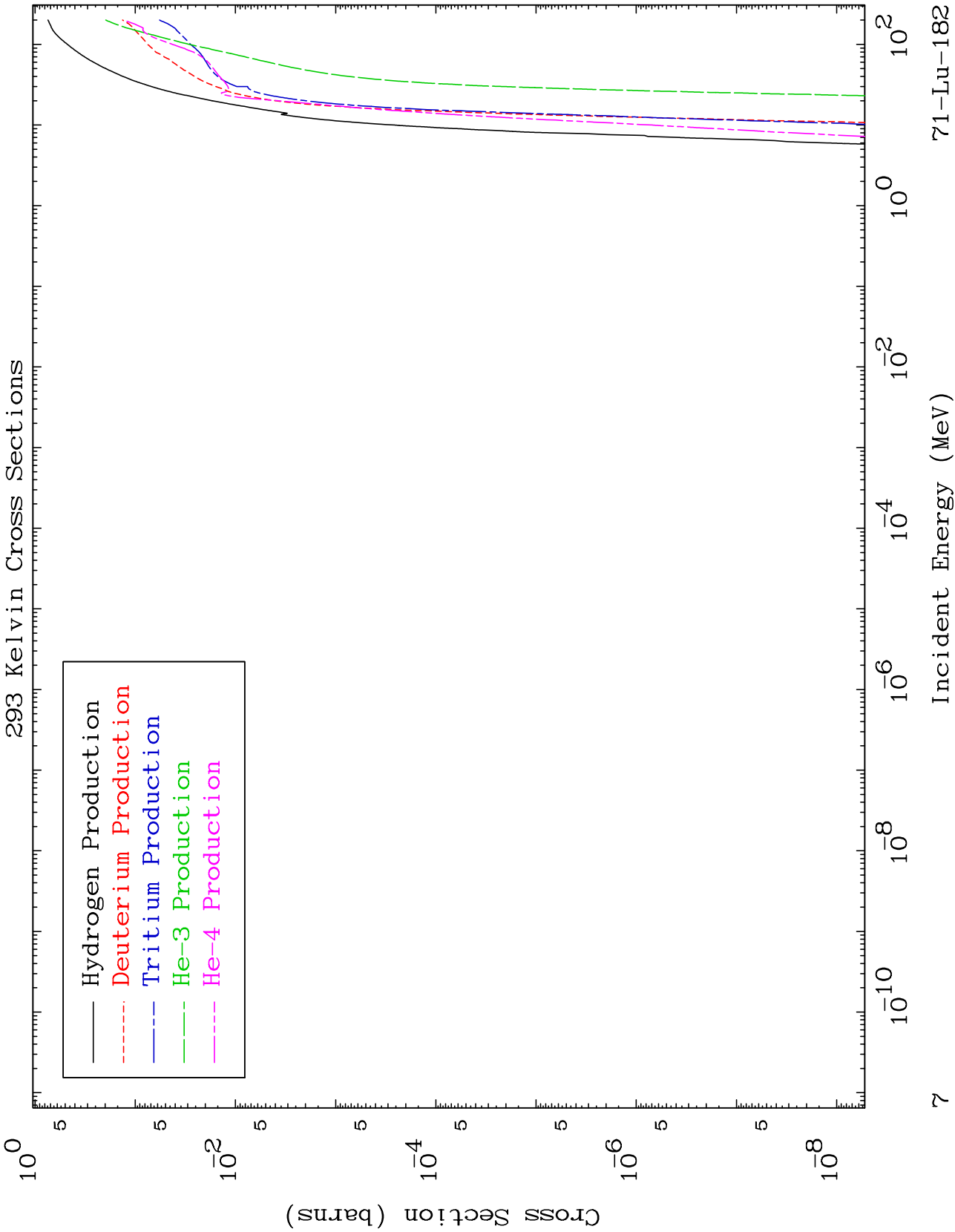
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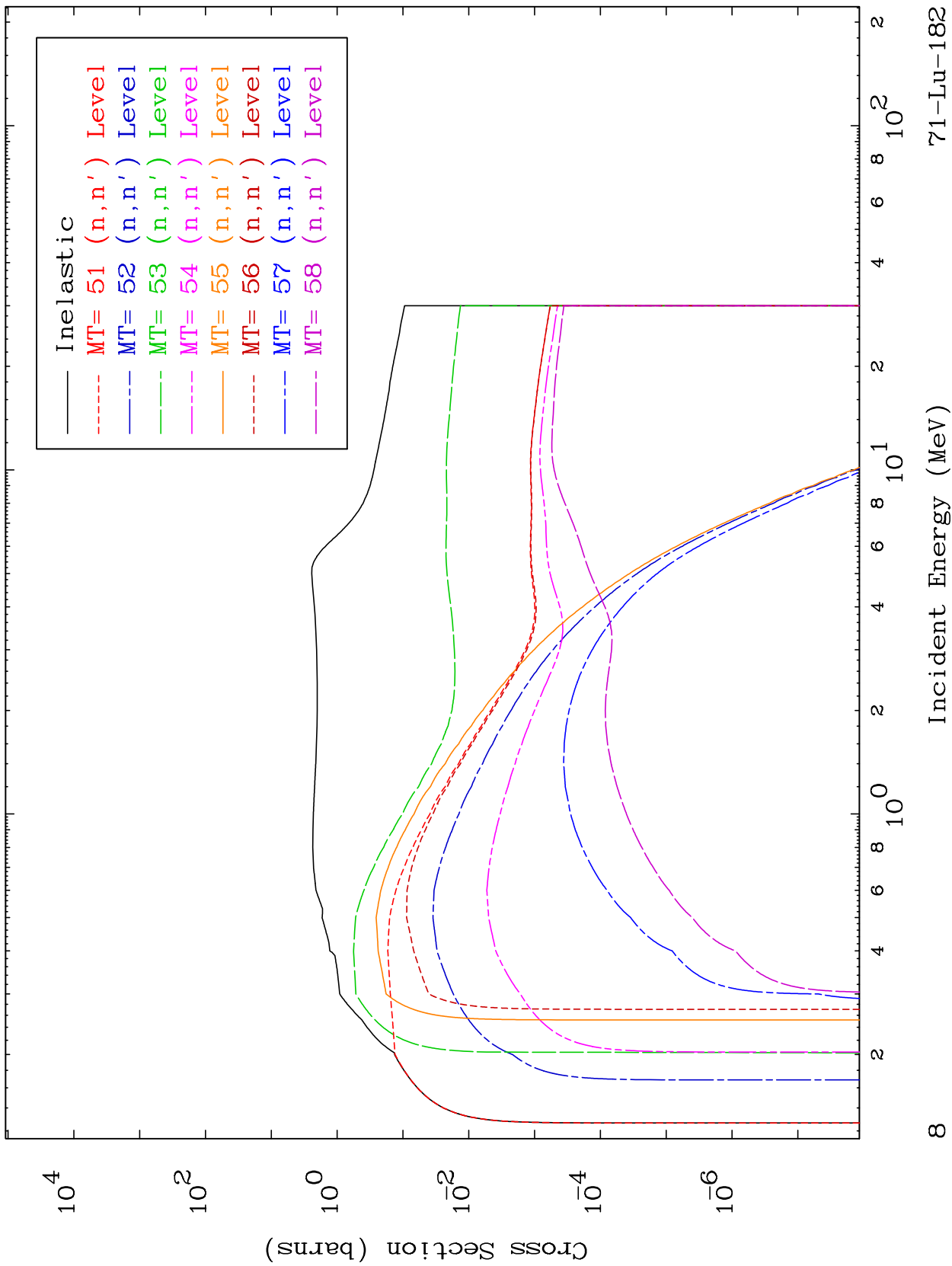


MAT 7146

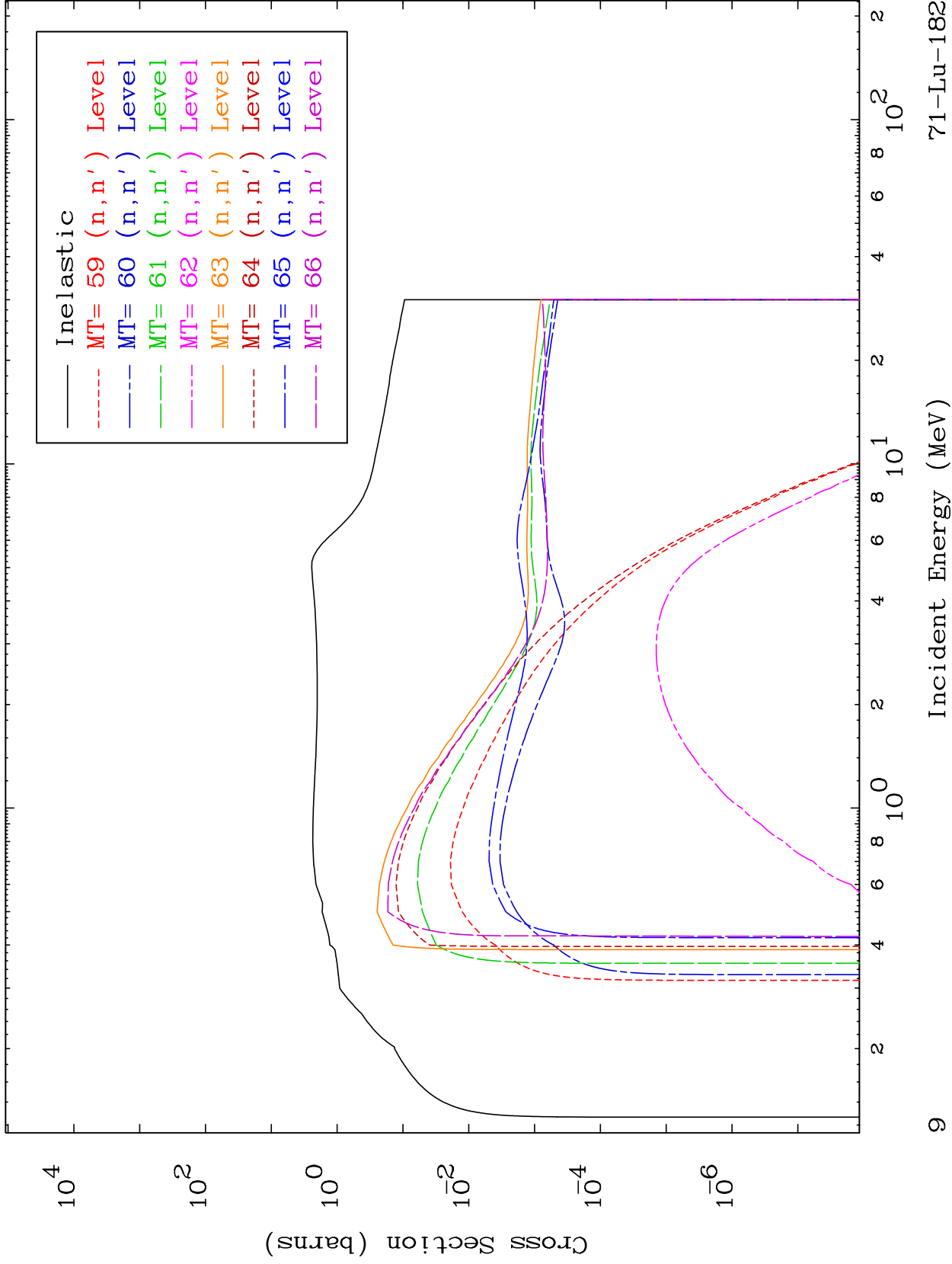
Particle Production
293 Kelvin Cross Sections

71-Lu-182





293 Kelvin Cross Sections

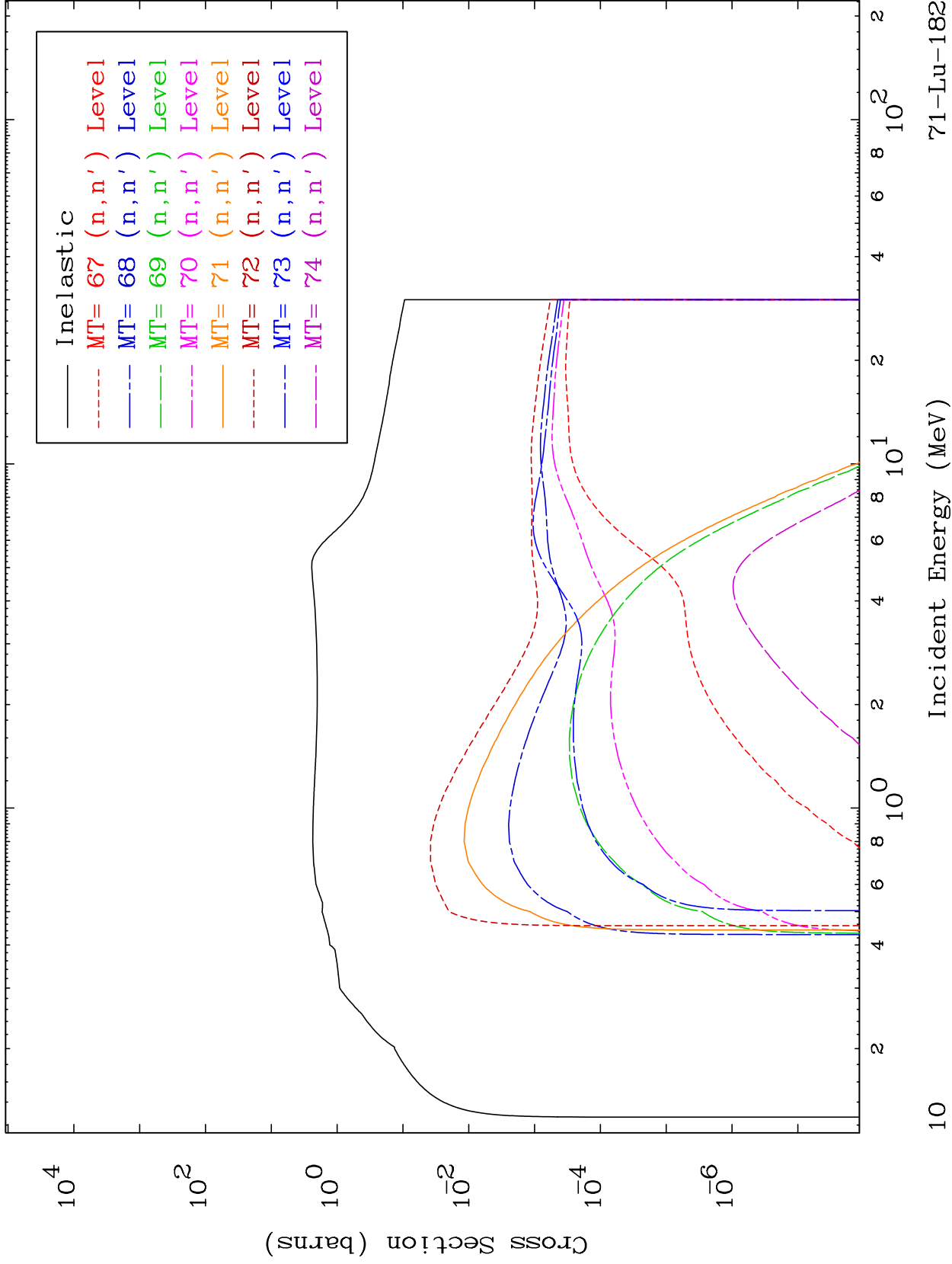


MAT 7146

(n,n') Levels

71-Lu-182

293 Kelvin Cross Sections



10

Incident Energy (MeV)

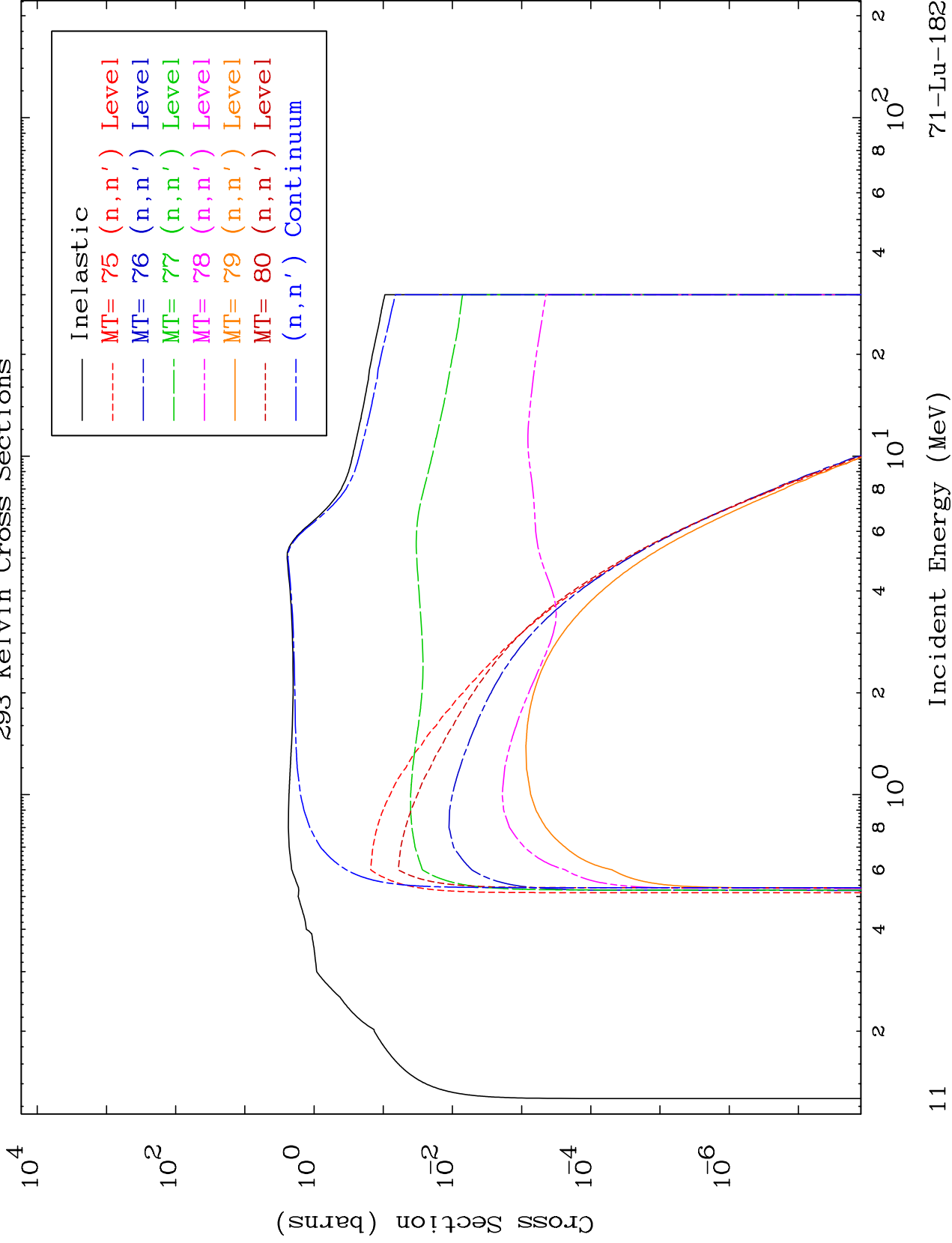
71-Lu-182

MAT 7146

(n,n') Levels

293 Kelvin Cross Sections

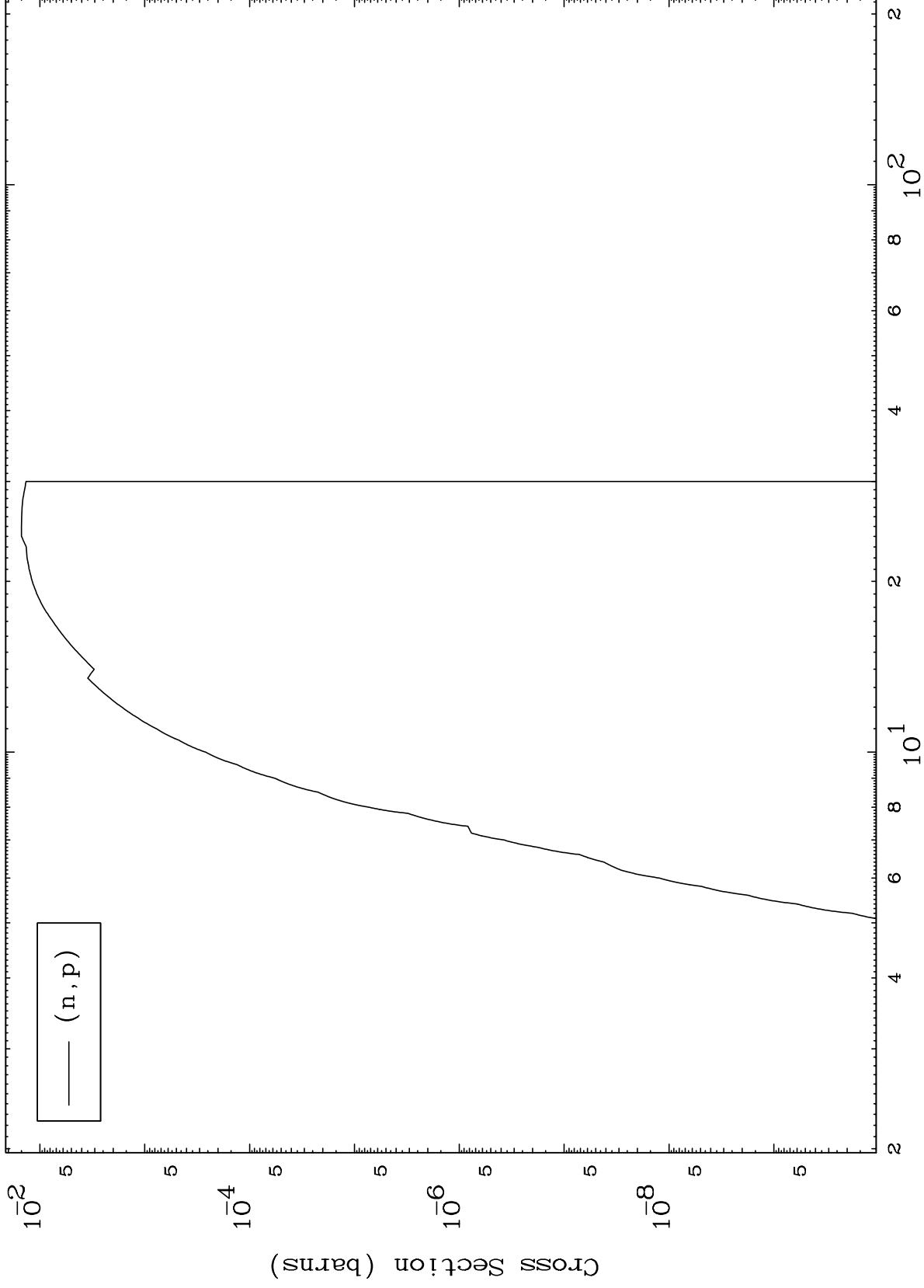
71-Lu-182



MAT 7146

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-182



12

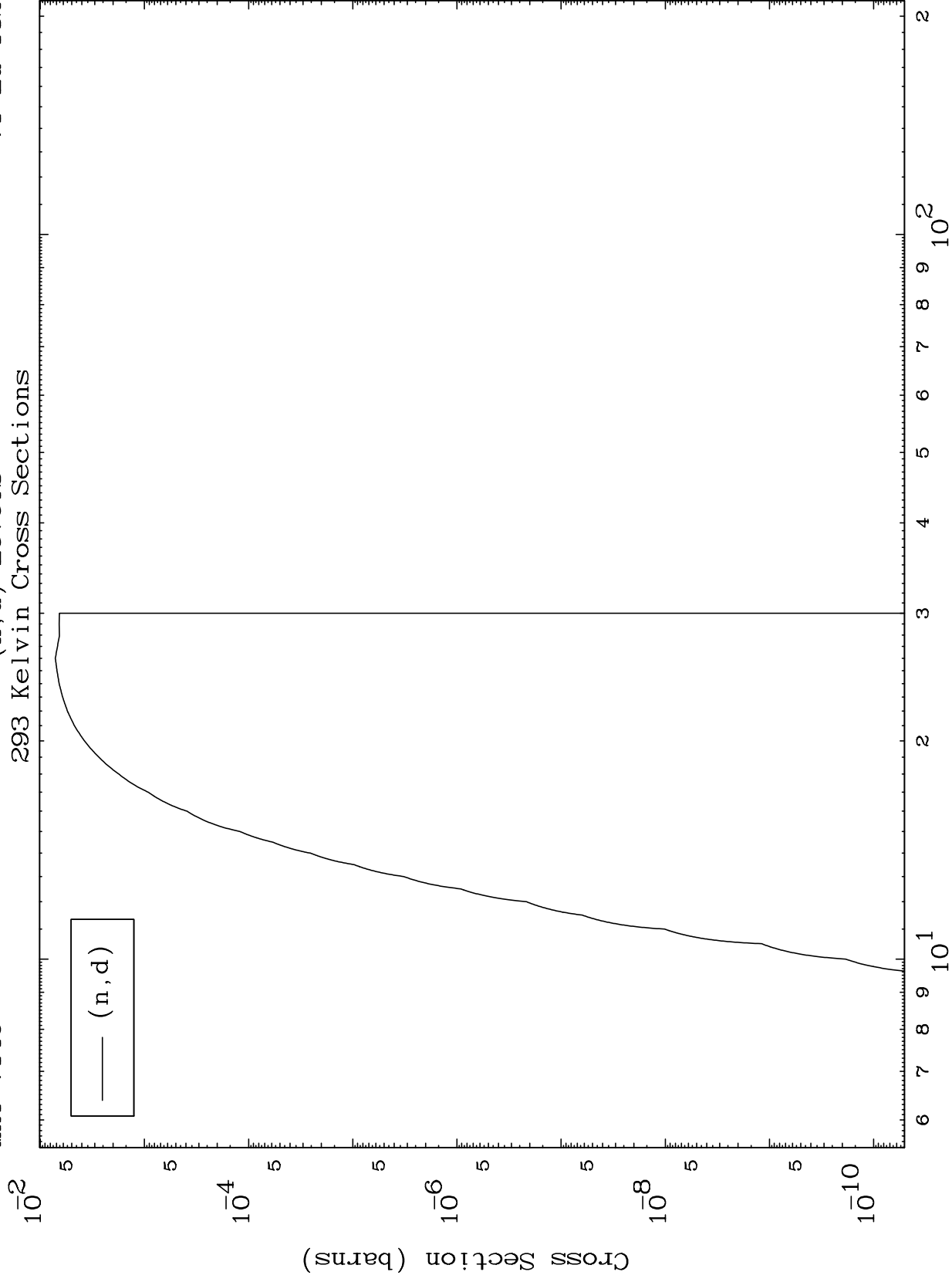
Incident Energy (MeV)

71-Lu-182

MAT 7146

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-182



13

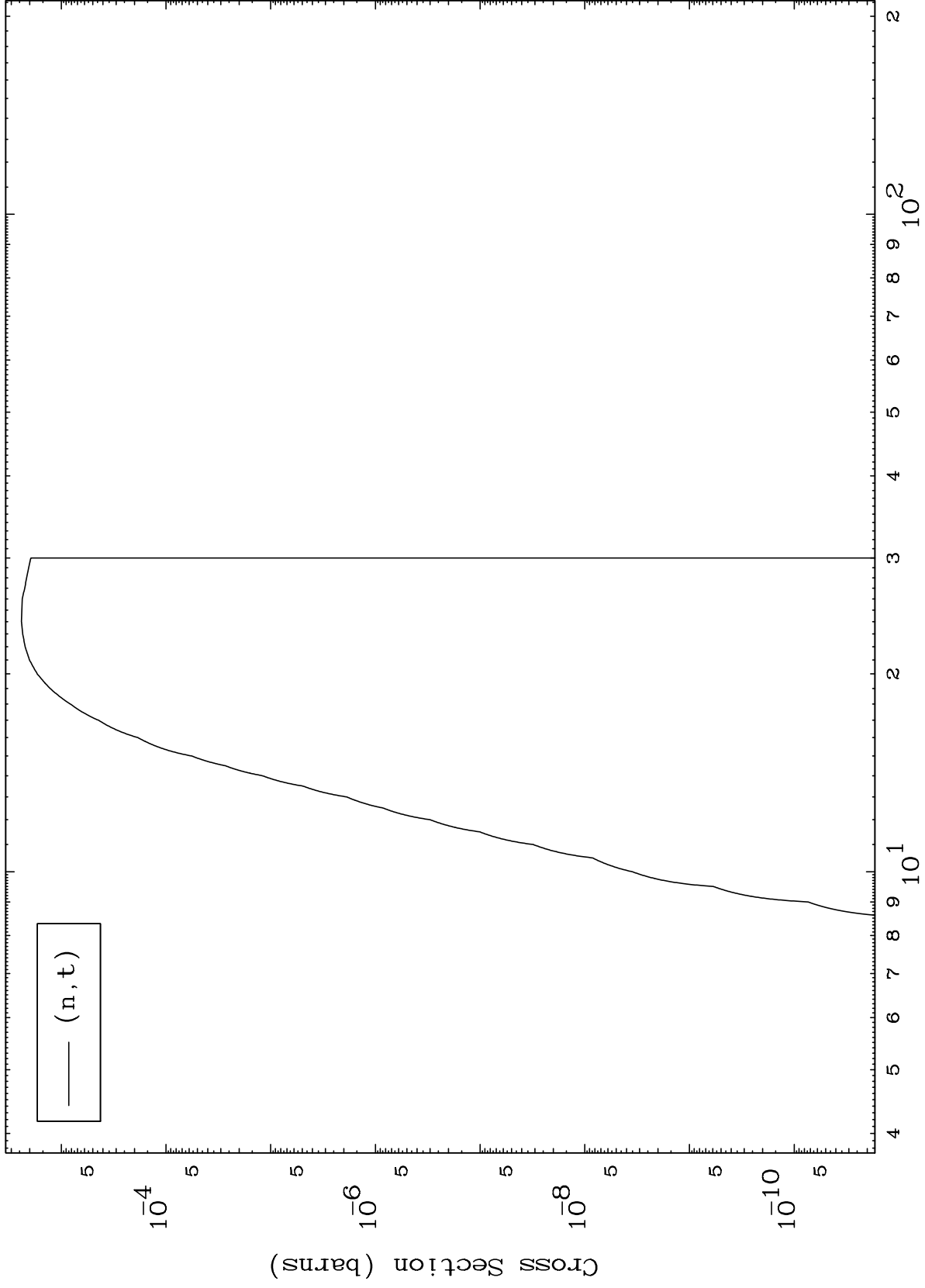
Incident Energy (MeV)

71-Lu-182

MAT 7146

(n,t) Levels
293 Kelvin Cross Sections

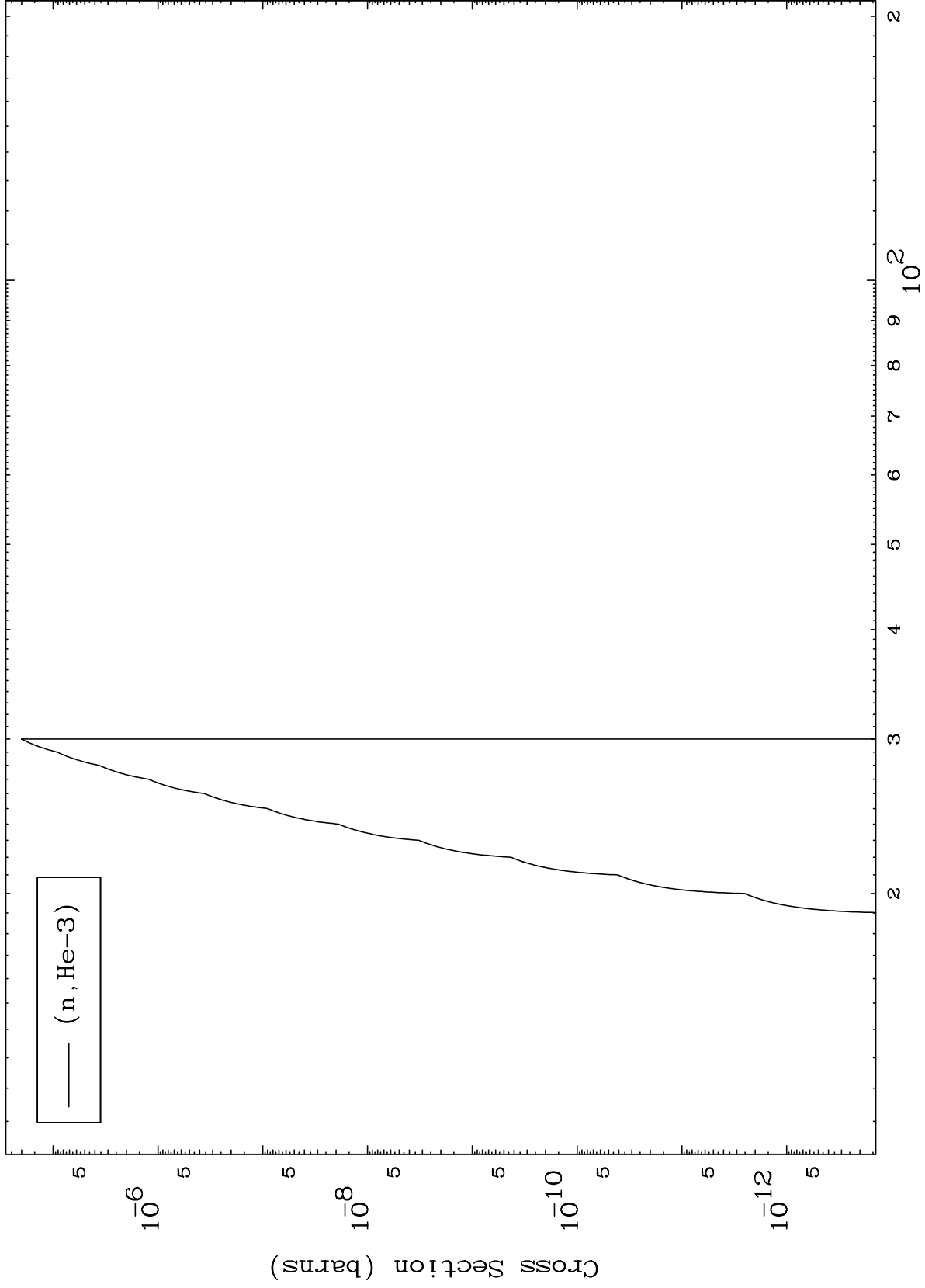
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14

Incident Energy (MeV)

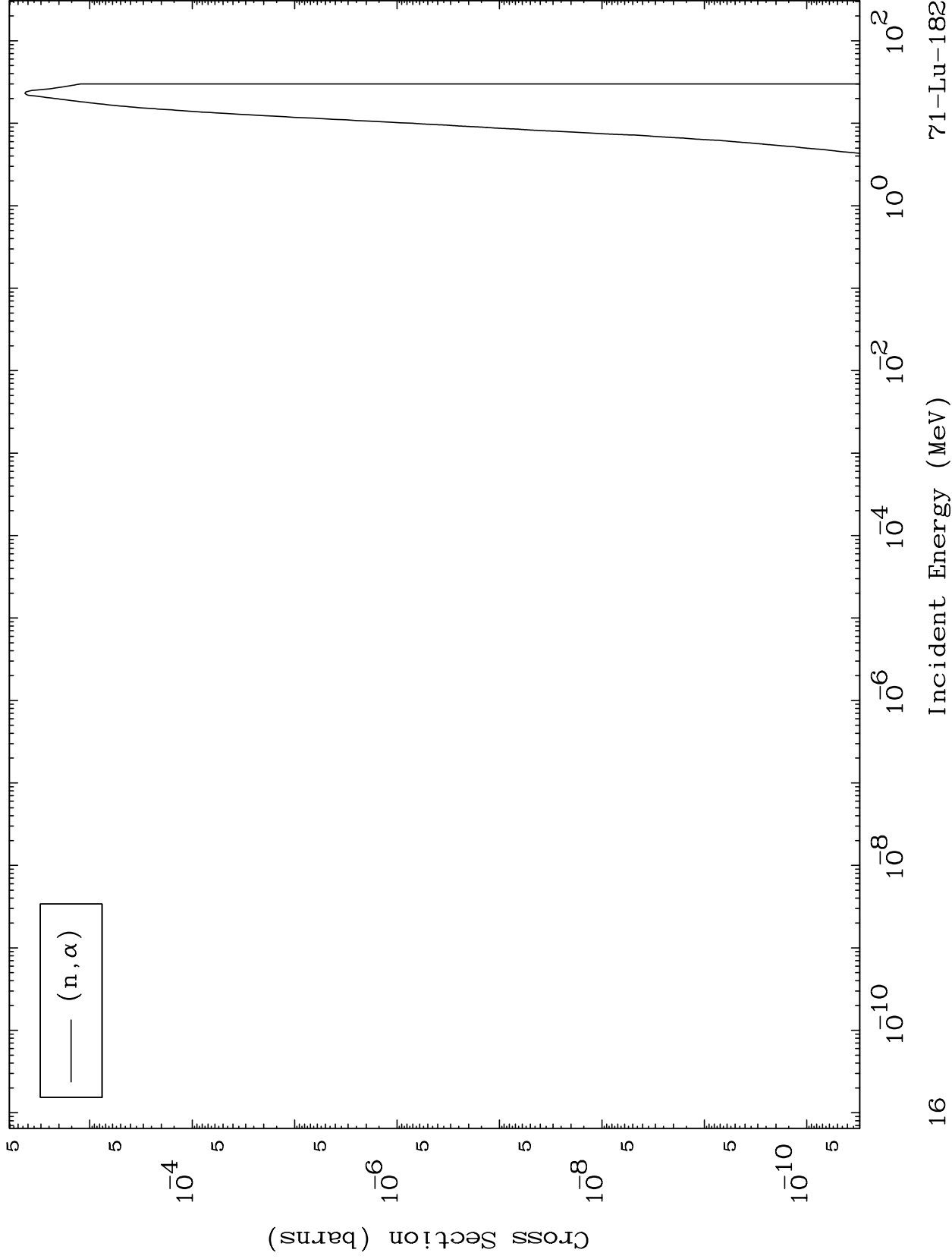
71-Lu-182



MAT 7146

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-182



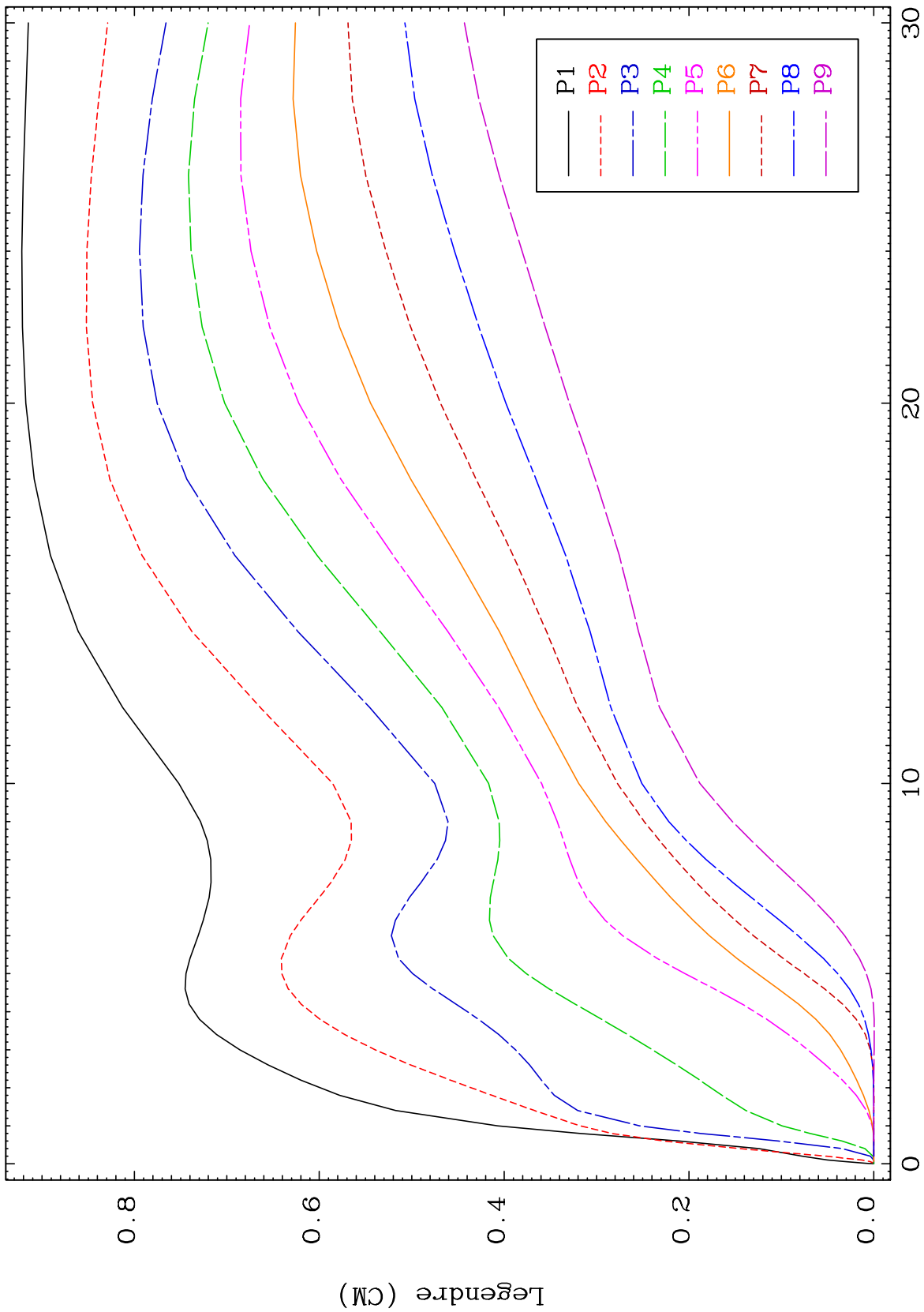
16

71-Lu-182

MAT 7146

71-Lu-182

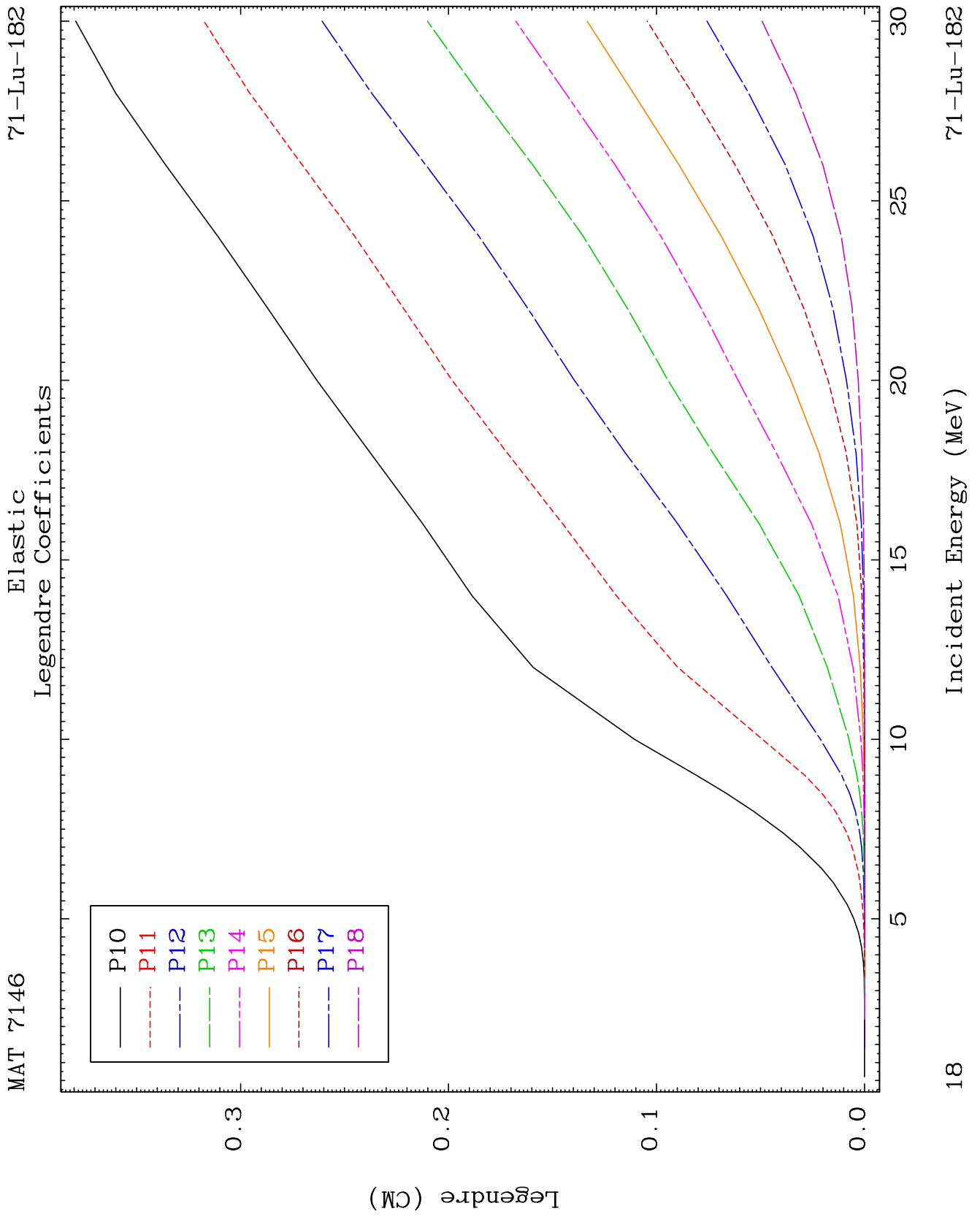
Elastic Legendre Coefficients



17

Incident Energy (MeV)

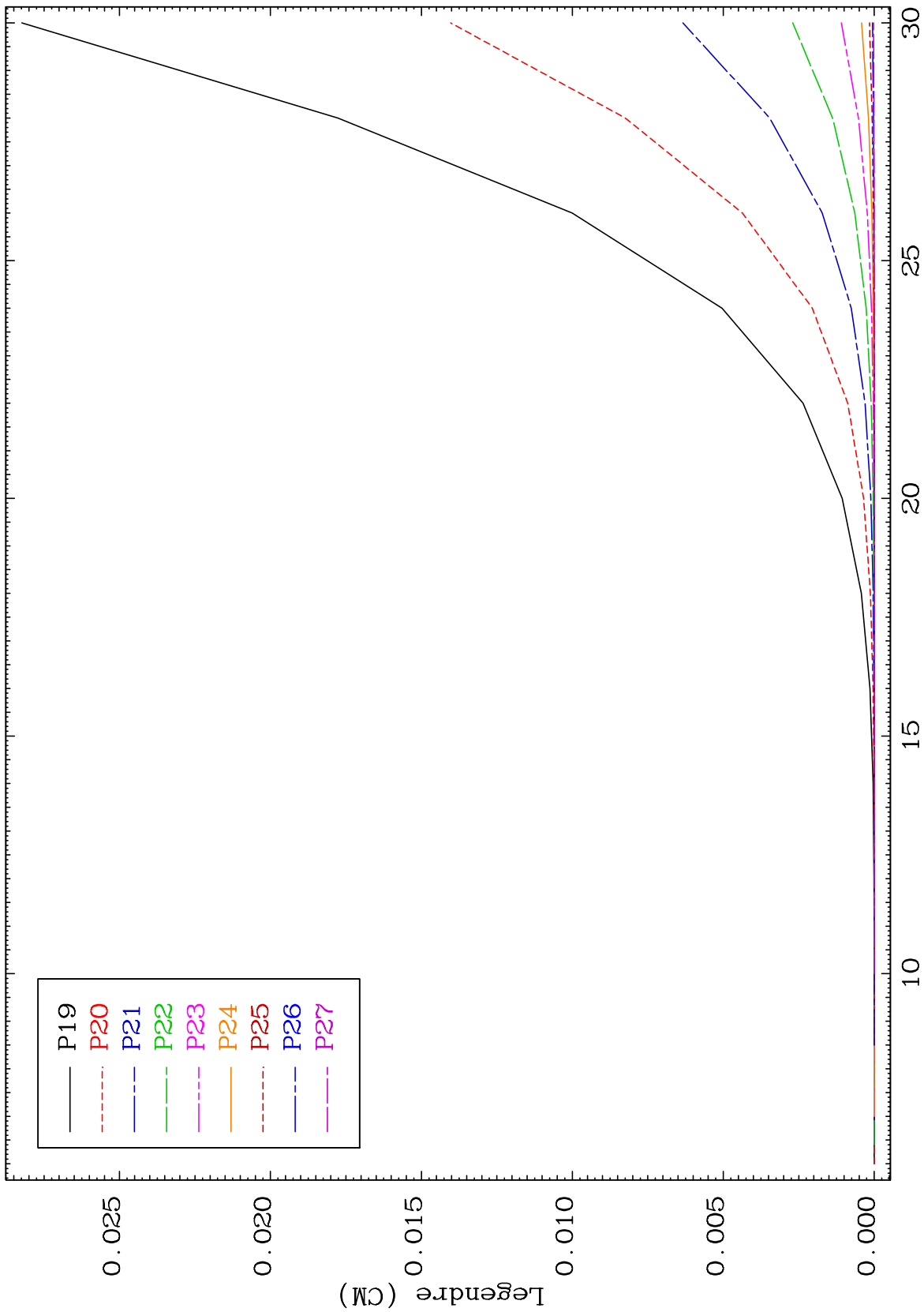
71-Lu-182



MAT 7146

Elastic Legendre Coefficients

71-Lu-182



19

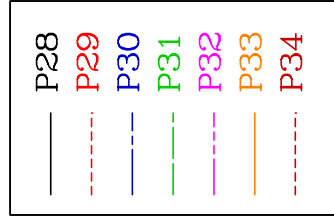
Incident Energy (MeV)

71-Lu-182

MAT 7146

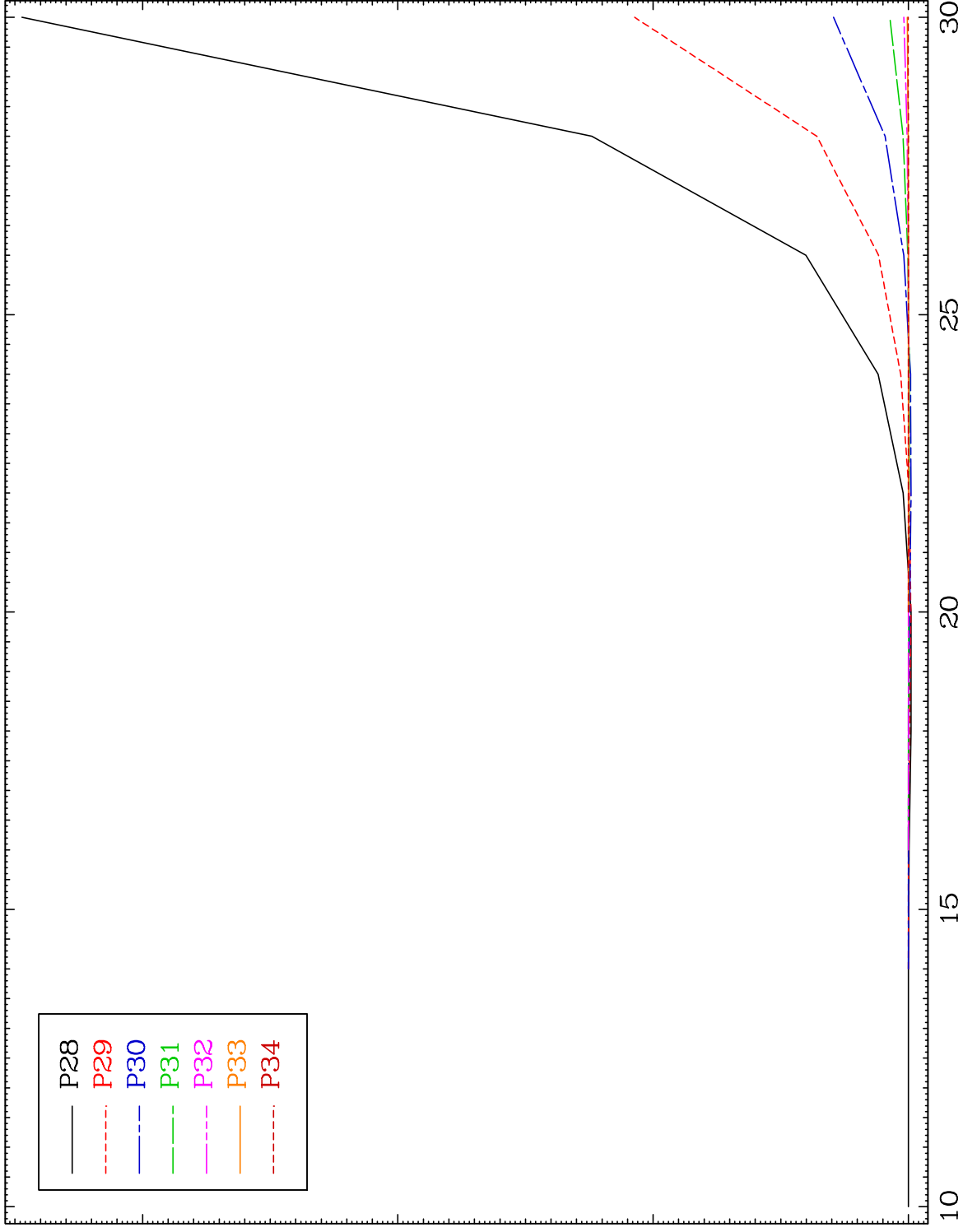
Elastic
Legendre Coefficients

⁷¹Lu-182



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

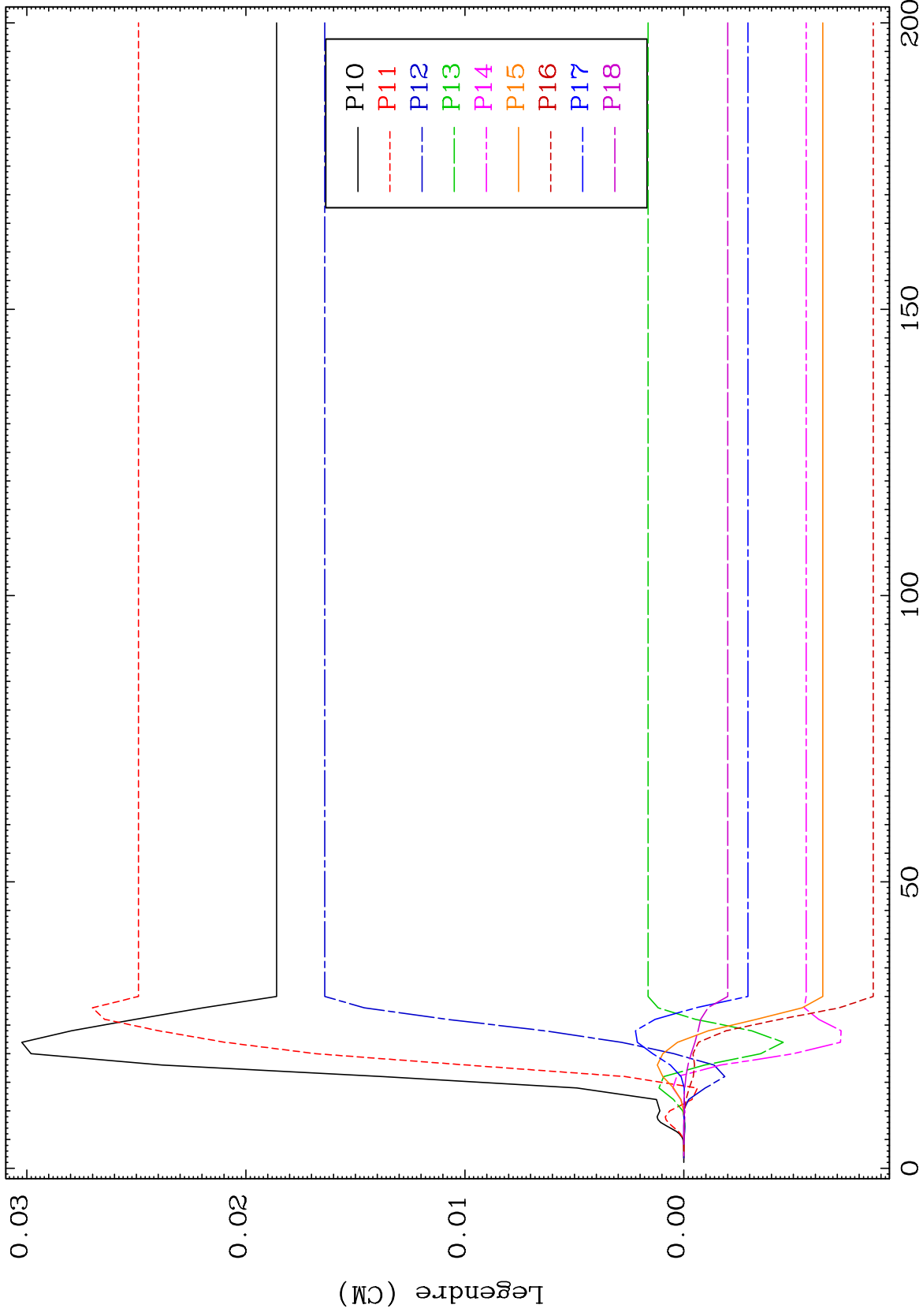
Incident Energy (MeV)

⁷¹Lu-182

MAT 7146

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

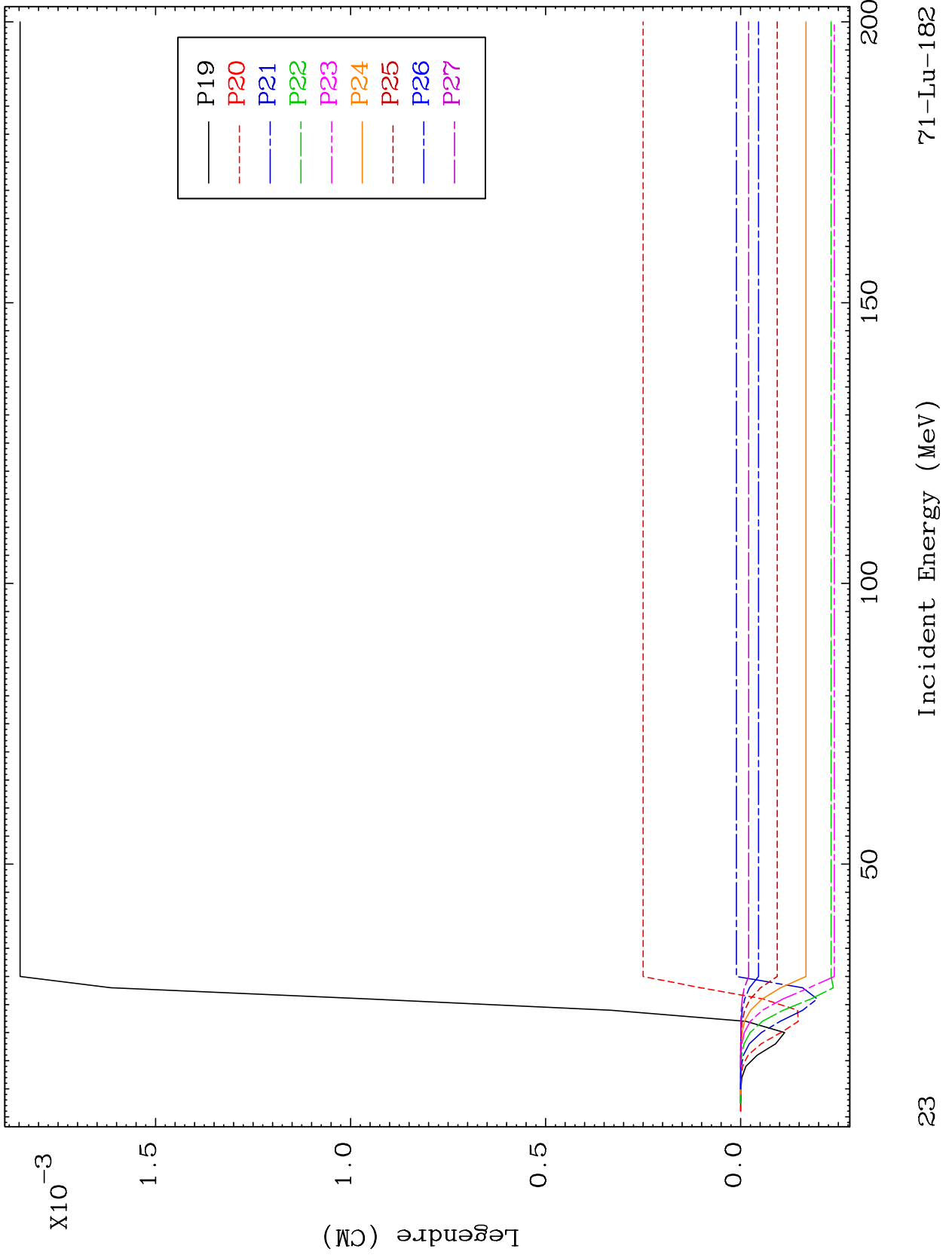
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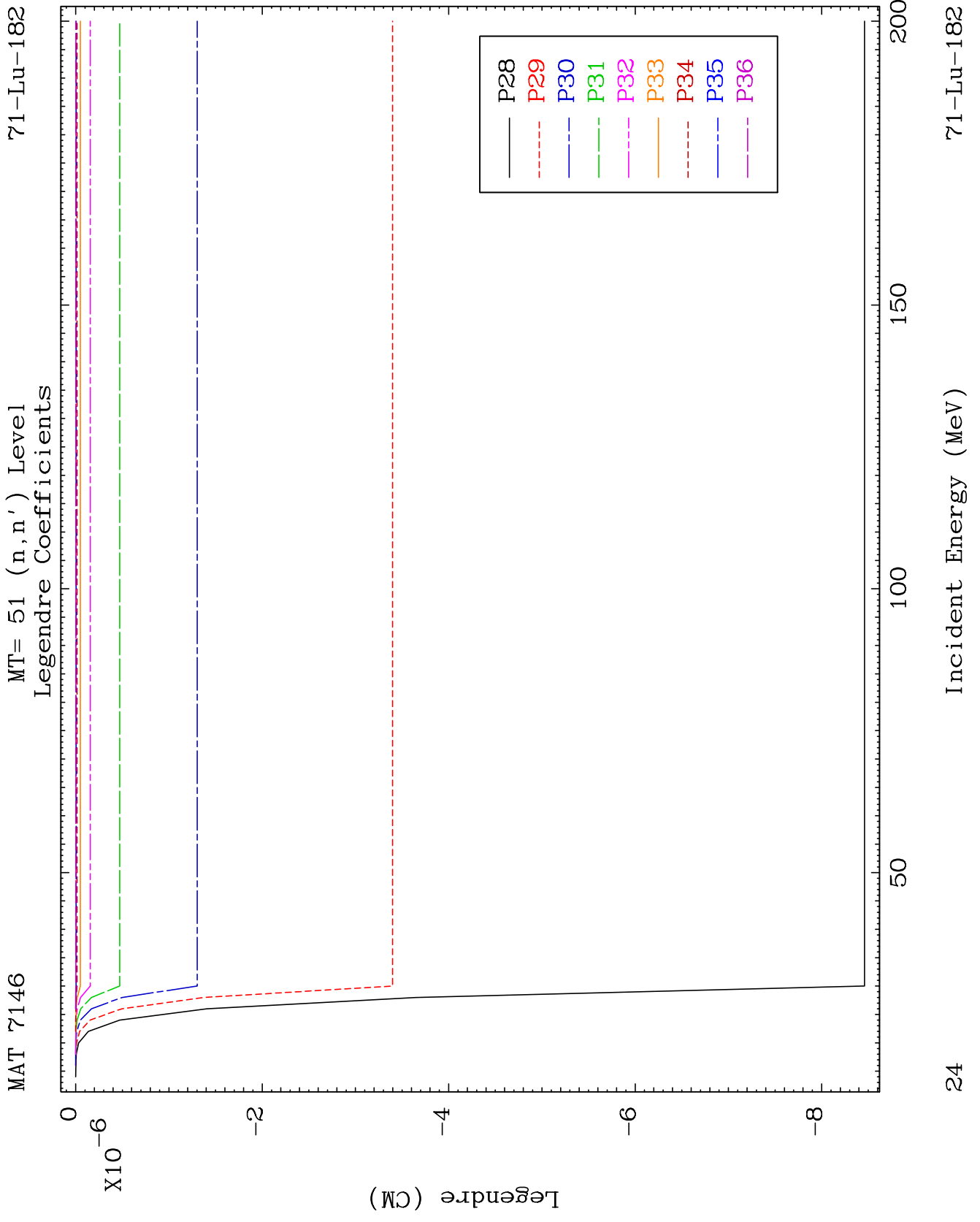


22

Incident Energy (MeV)

71-Lu-182

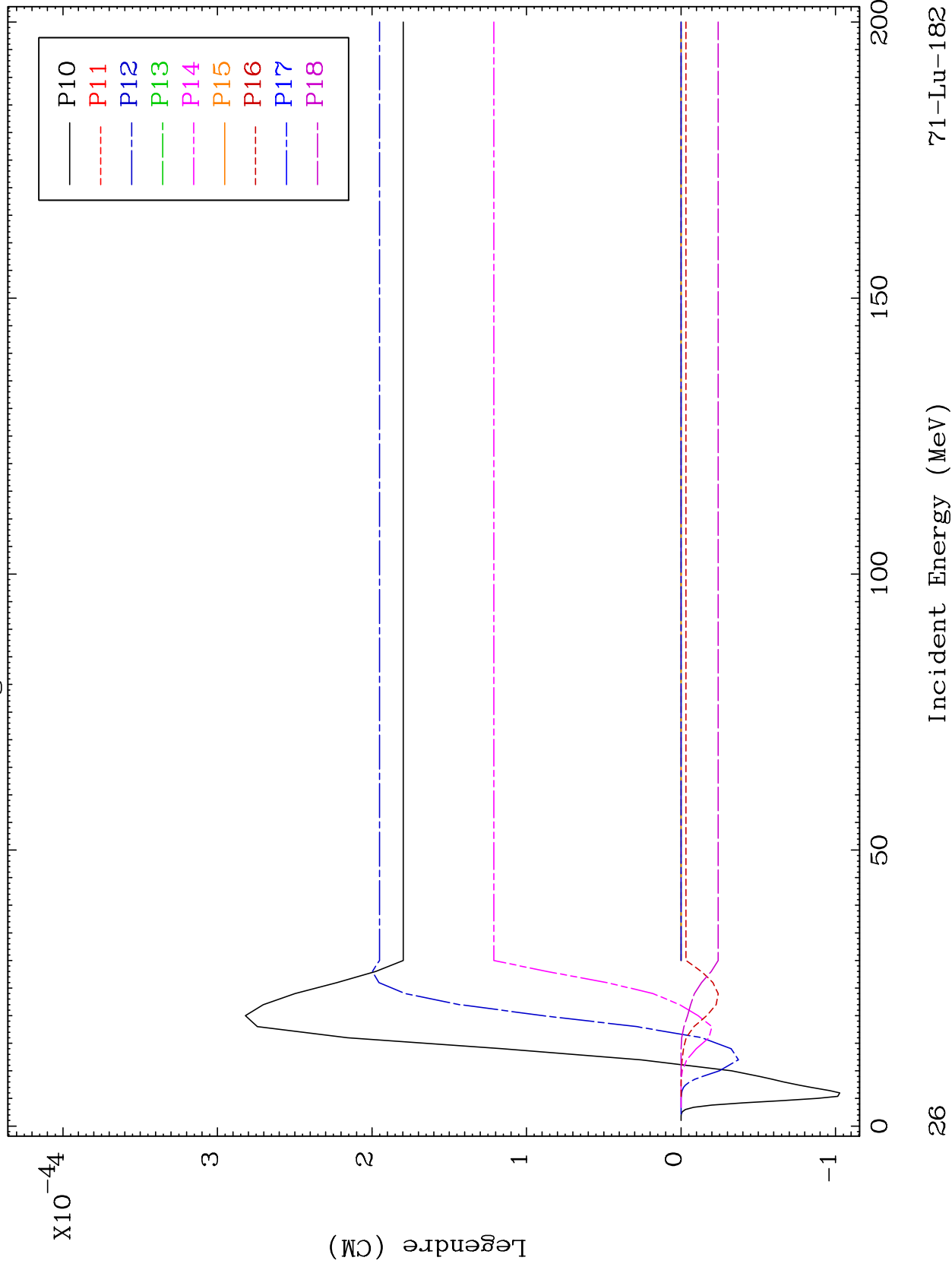




MAT 7146

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

71-Lu-182



71-Lu-182

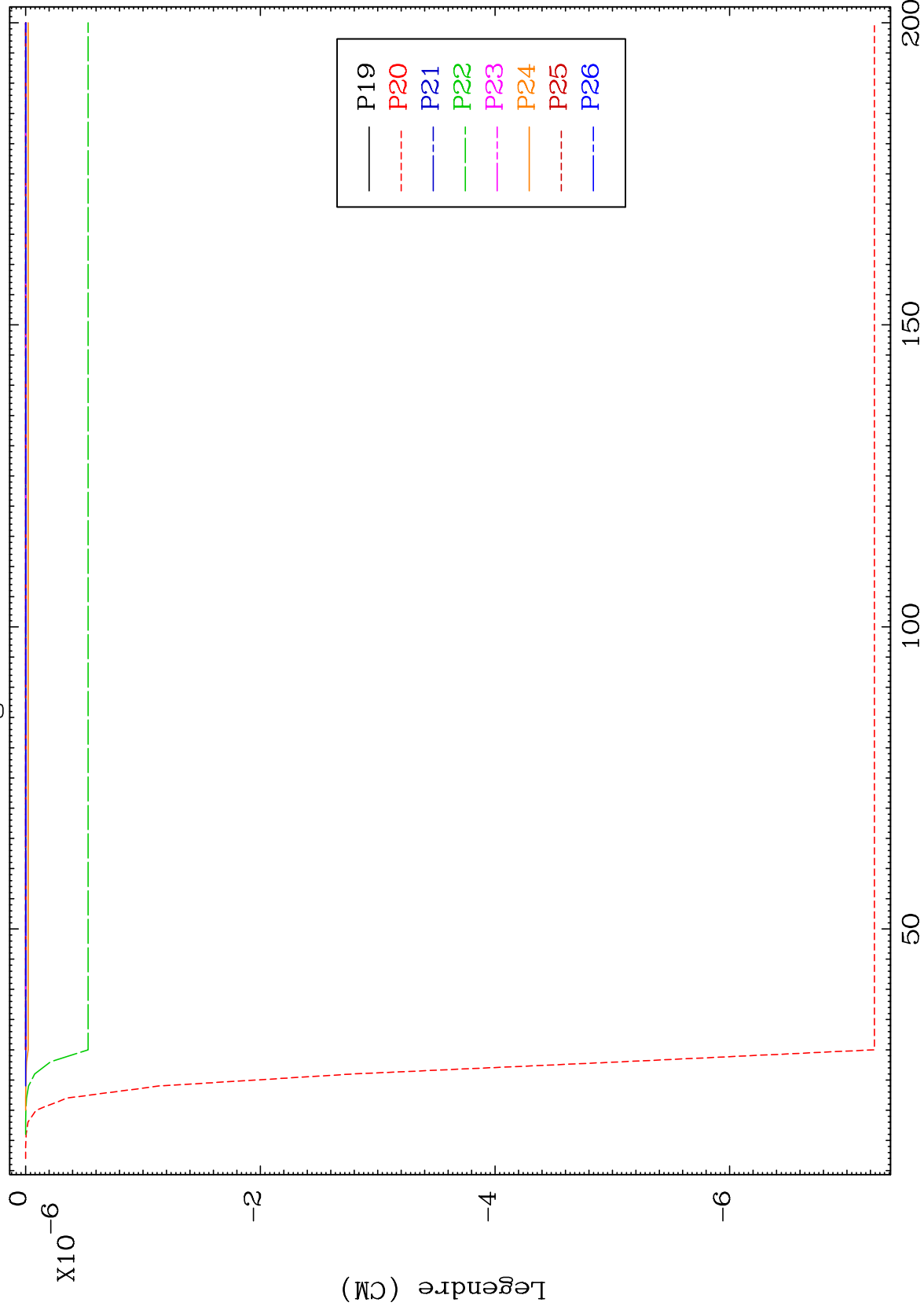
Incident Energy (MeV)

26

MAT 7146

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

71-Lu-182



71-Lu-182

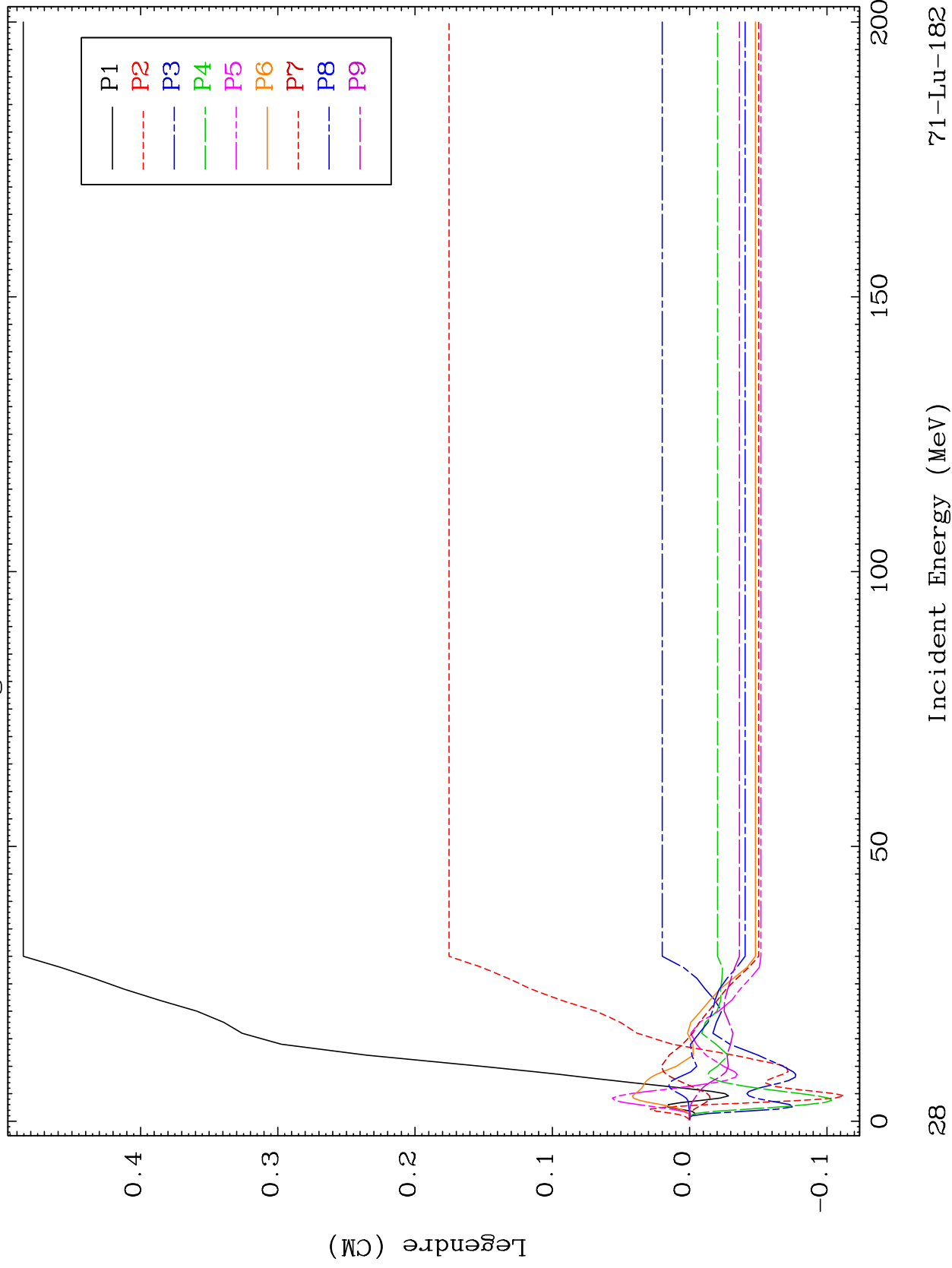
Incident Energy (MeV)

27

MAT 7146

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

71-Lu-182



71-Lu-182

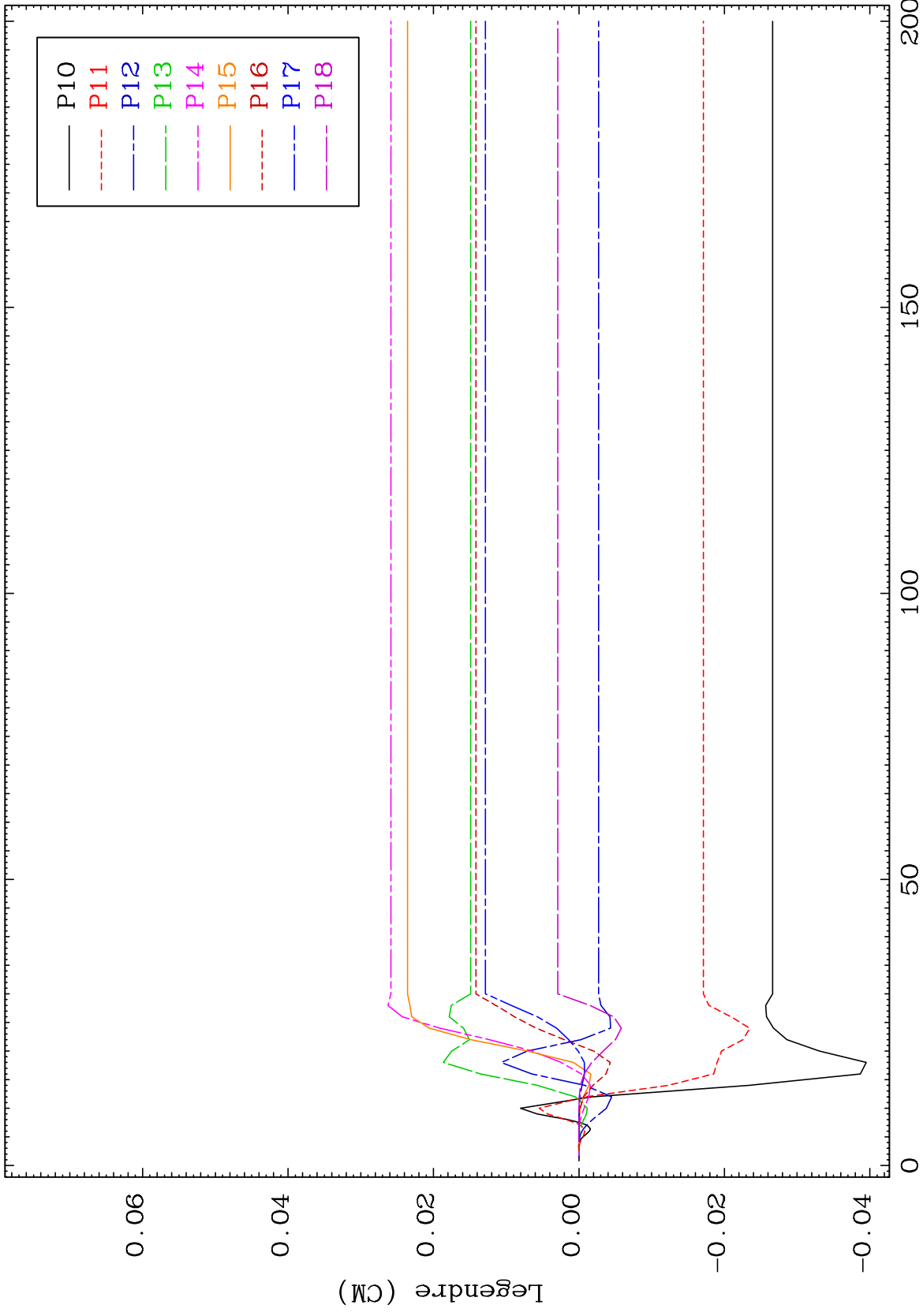
Incident Energy (MeV)

28

MAT 7146

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

71-Lu-182



29

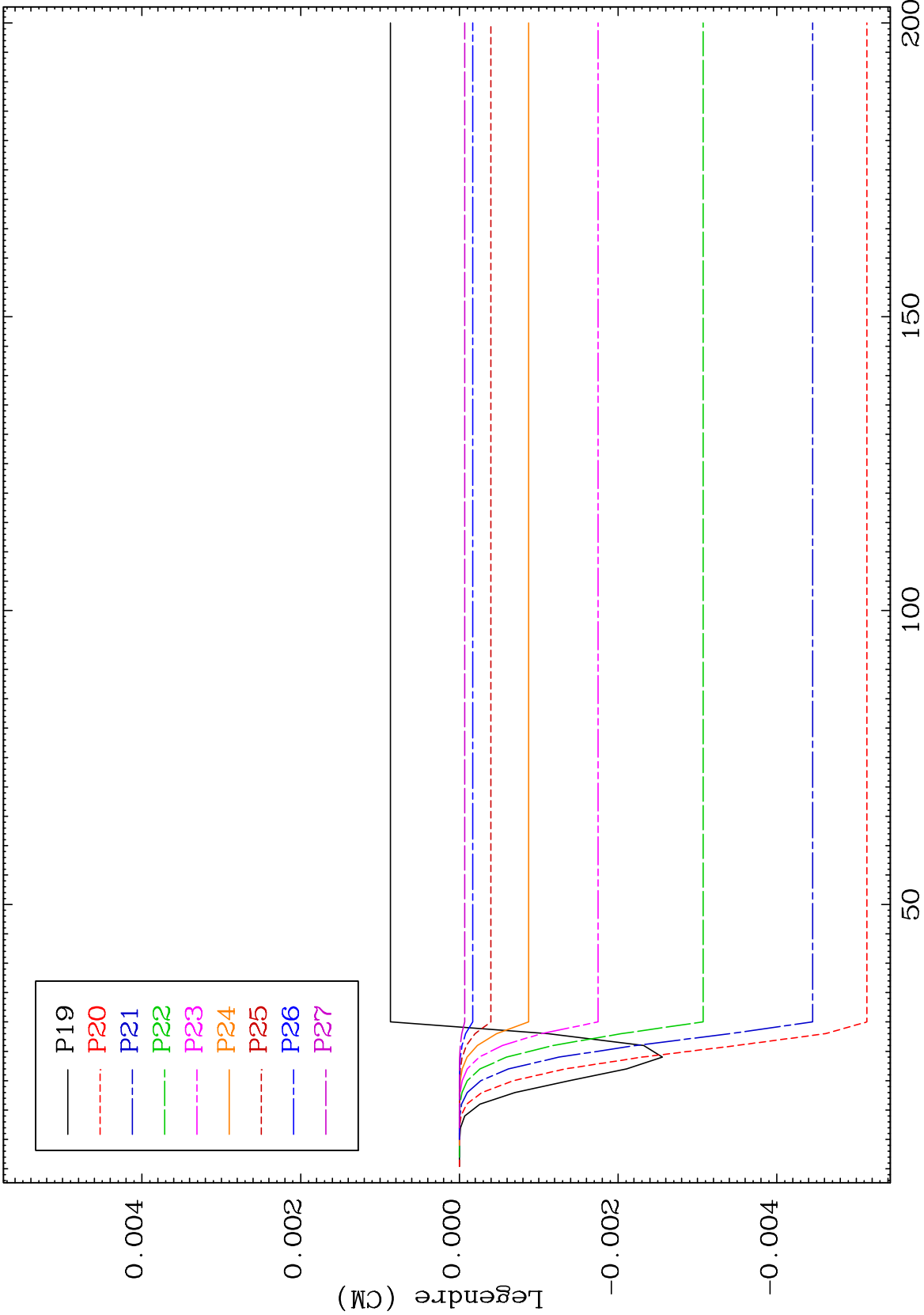
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182

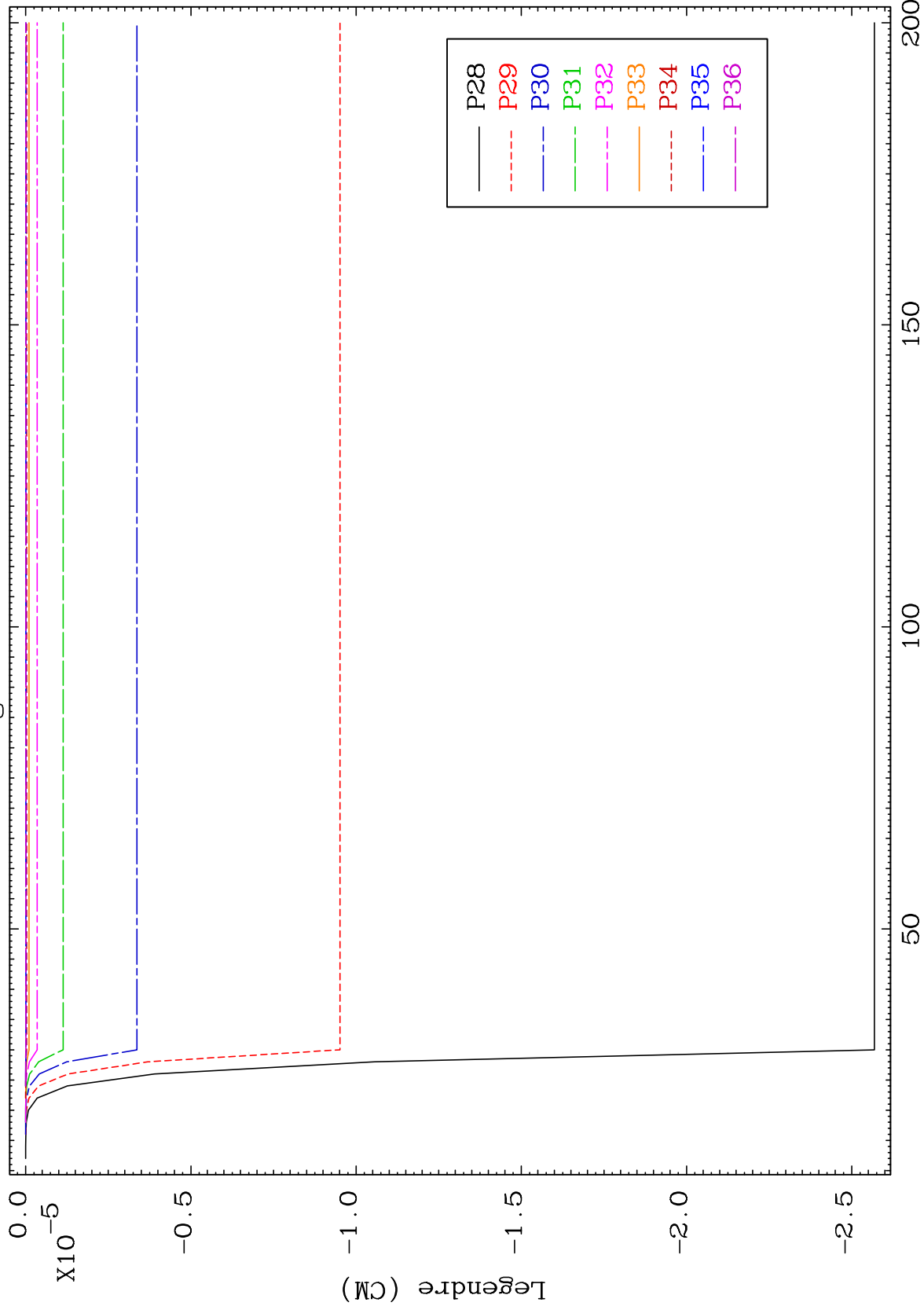


30

Incident Energy (MeV)

71-Lu-182

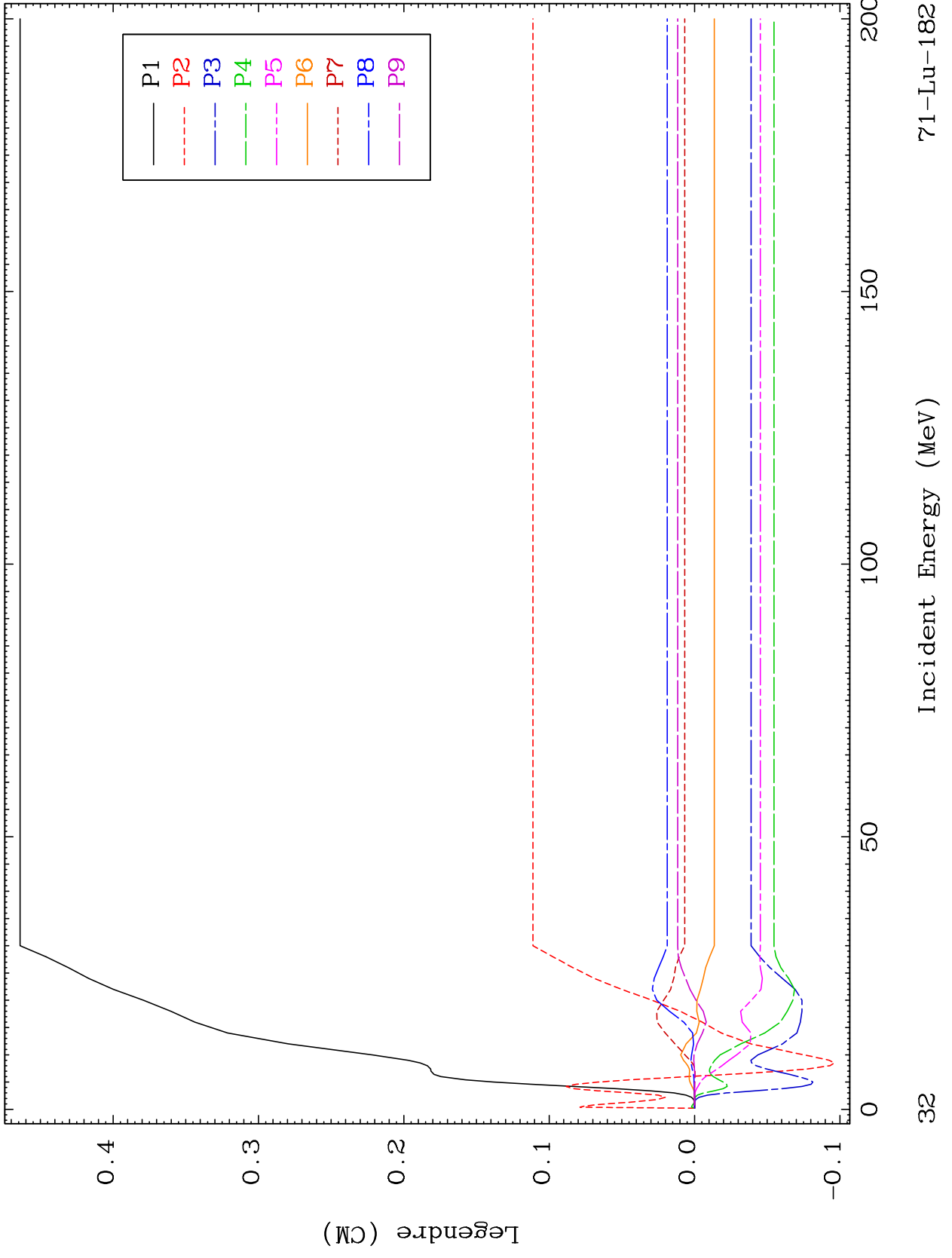
Legendre Coefficients



MAT 7146

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

71-Lu-182



71-Lu-182

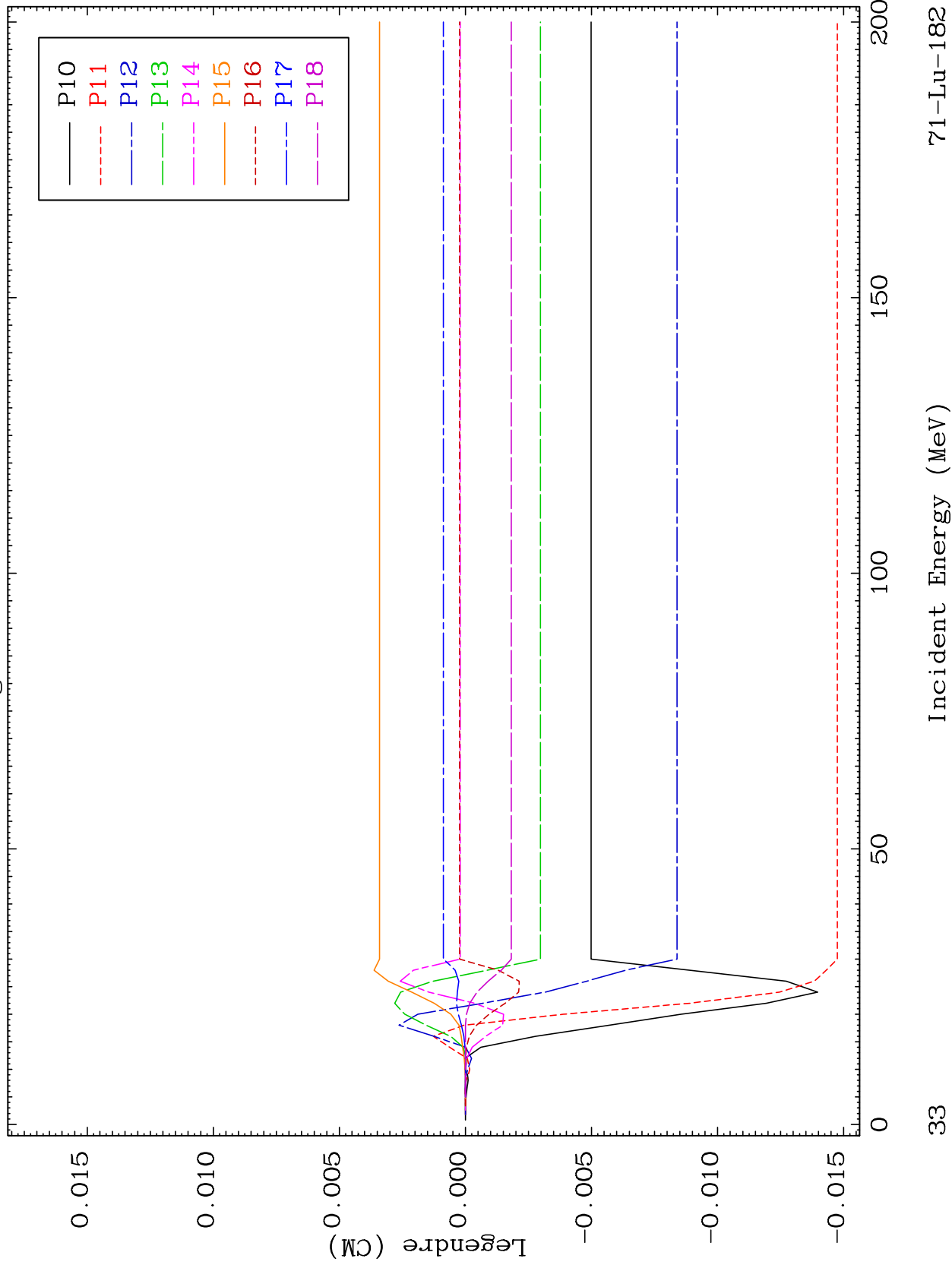
Incident Energy (MeV)

32

MAT 7146

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

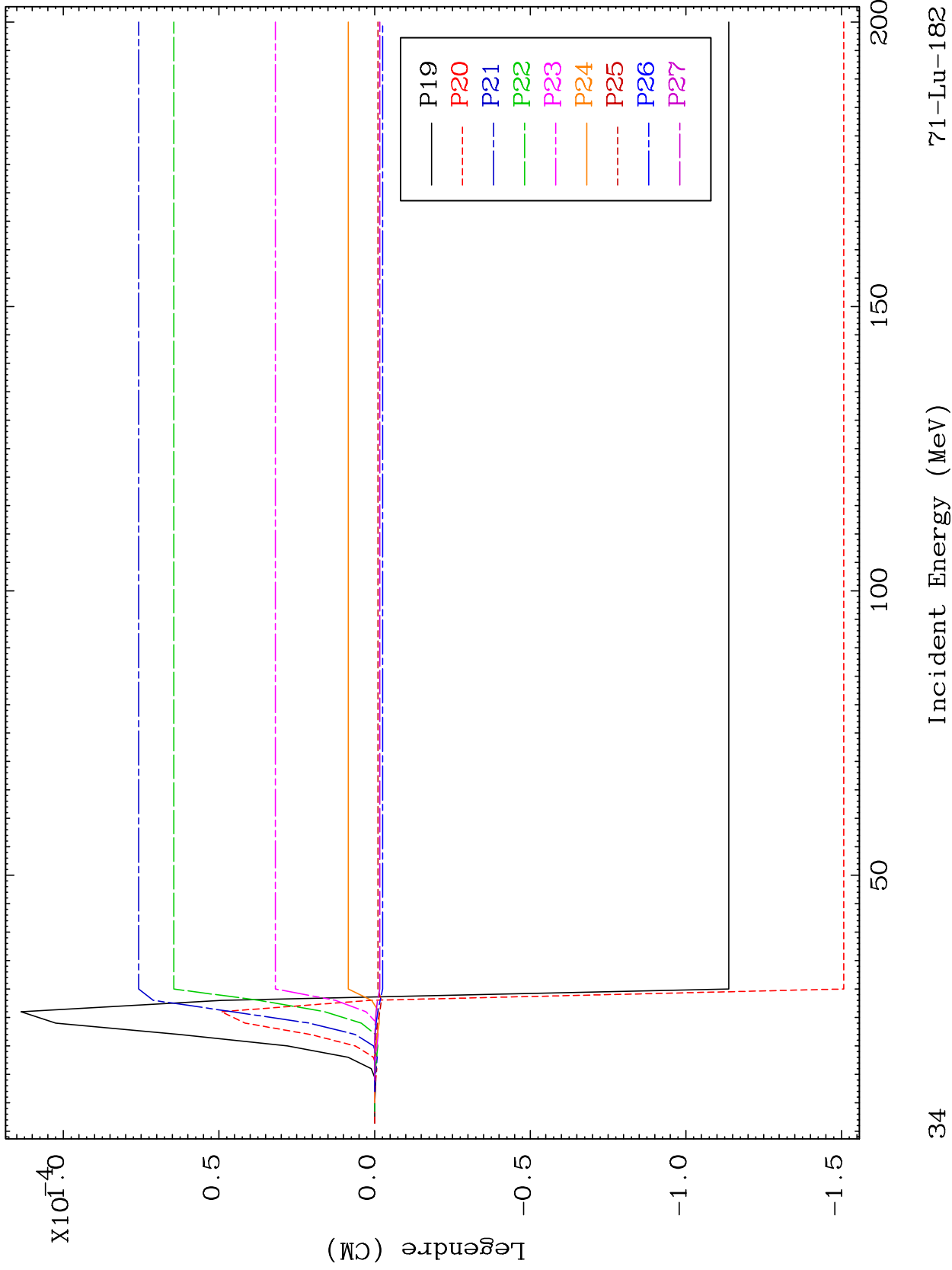
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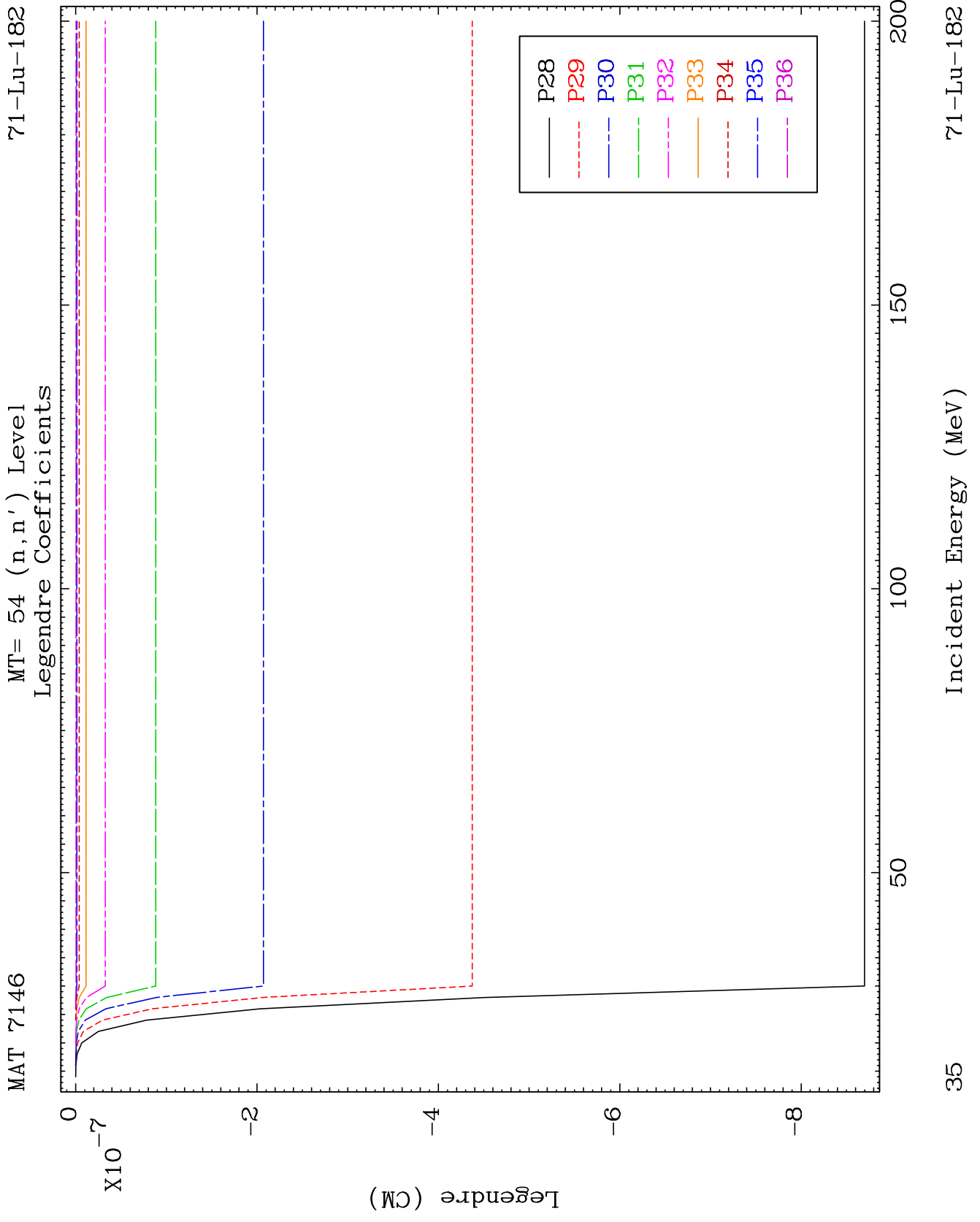


33

Incident Energy (MeV)

71-Lu-182

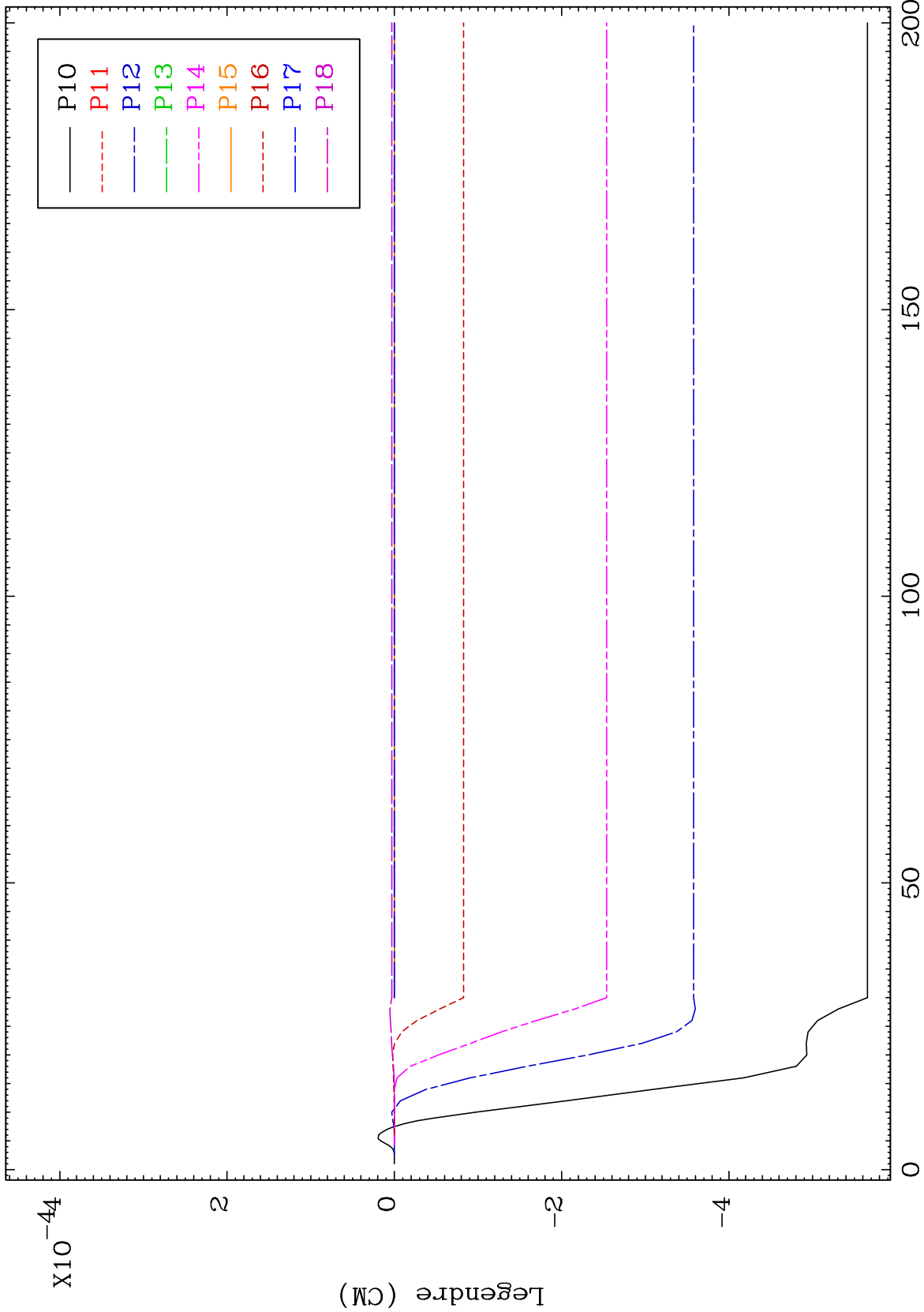




MAT 7146

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

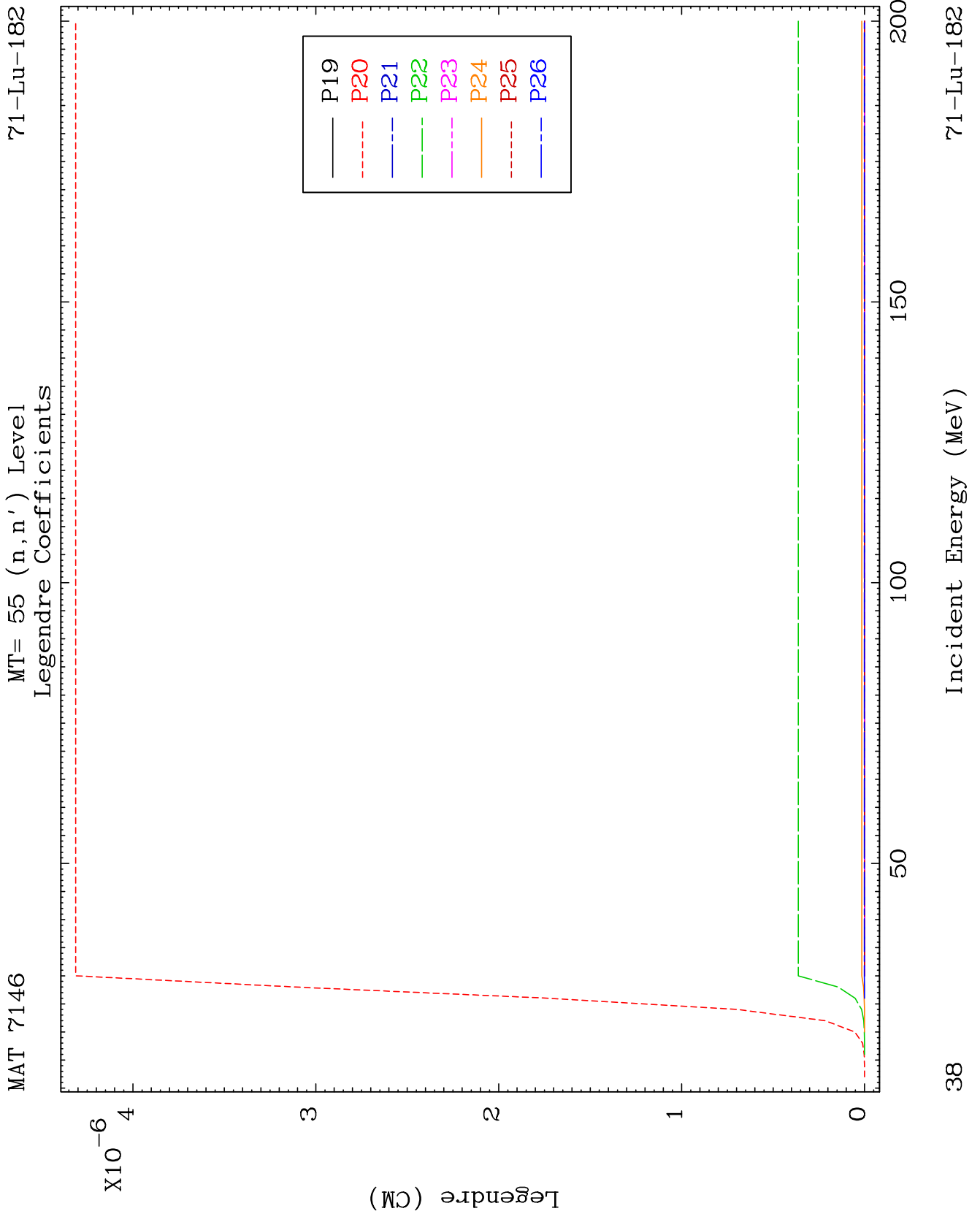
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37

Incident Energy (MeV)

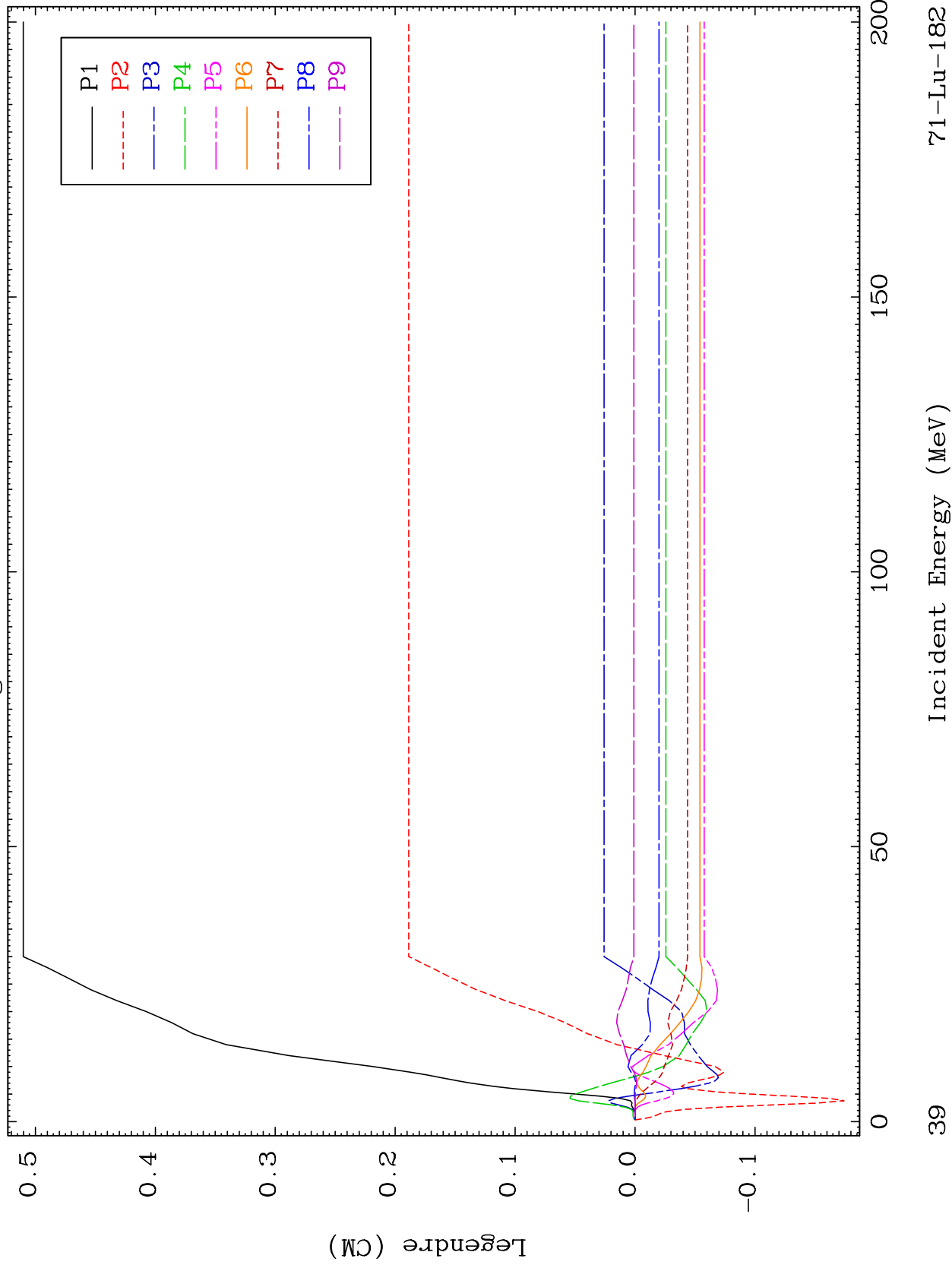
71-Lu-182



MAT 7146

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

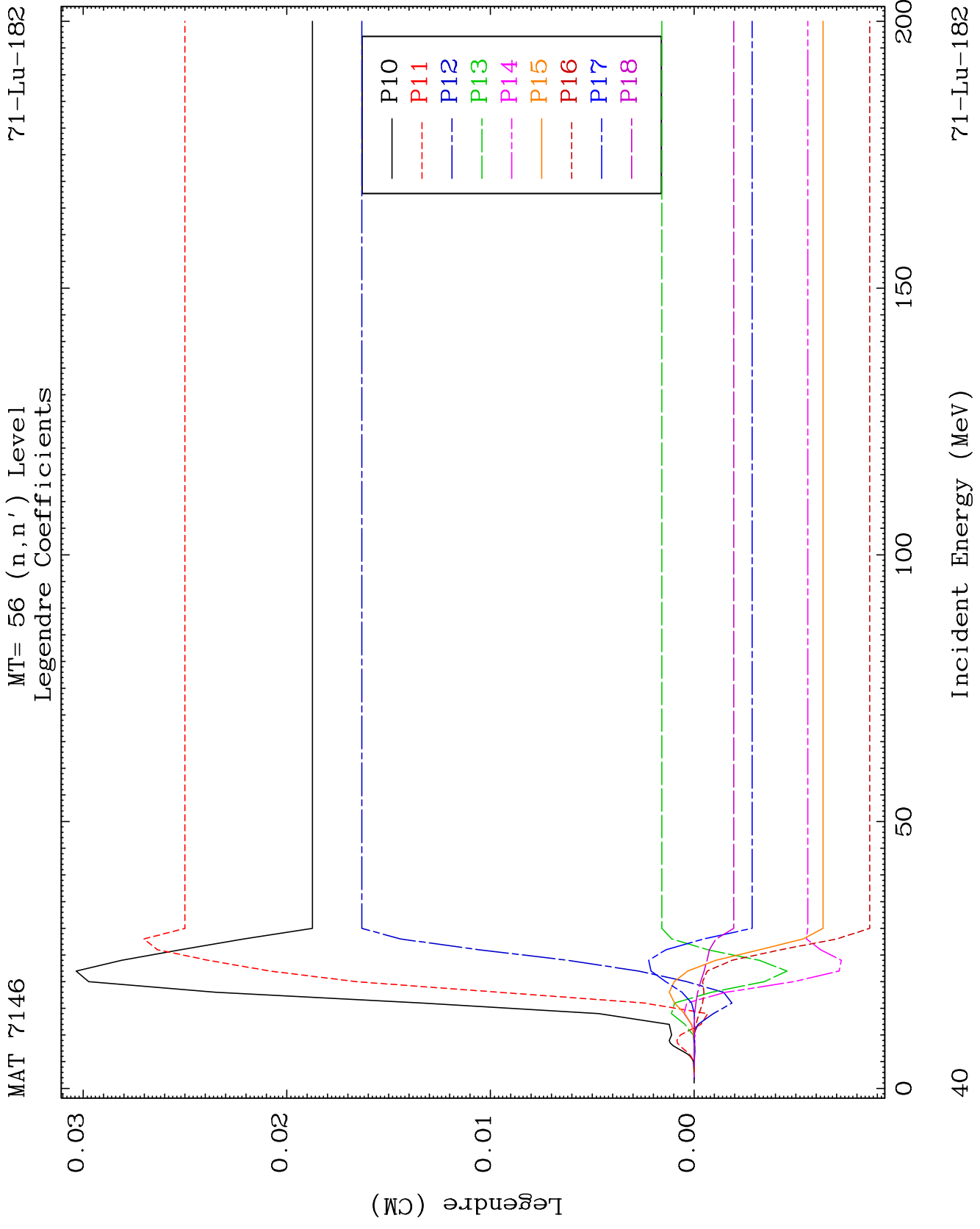
71-Lu-182



71-Lu-182

Incident Energy (MeV)

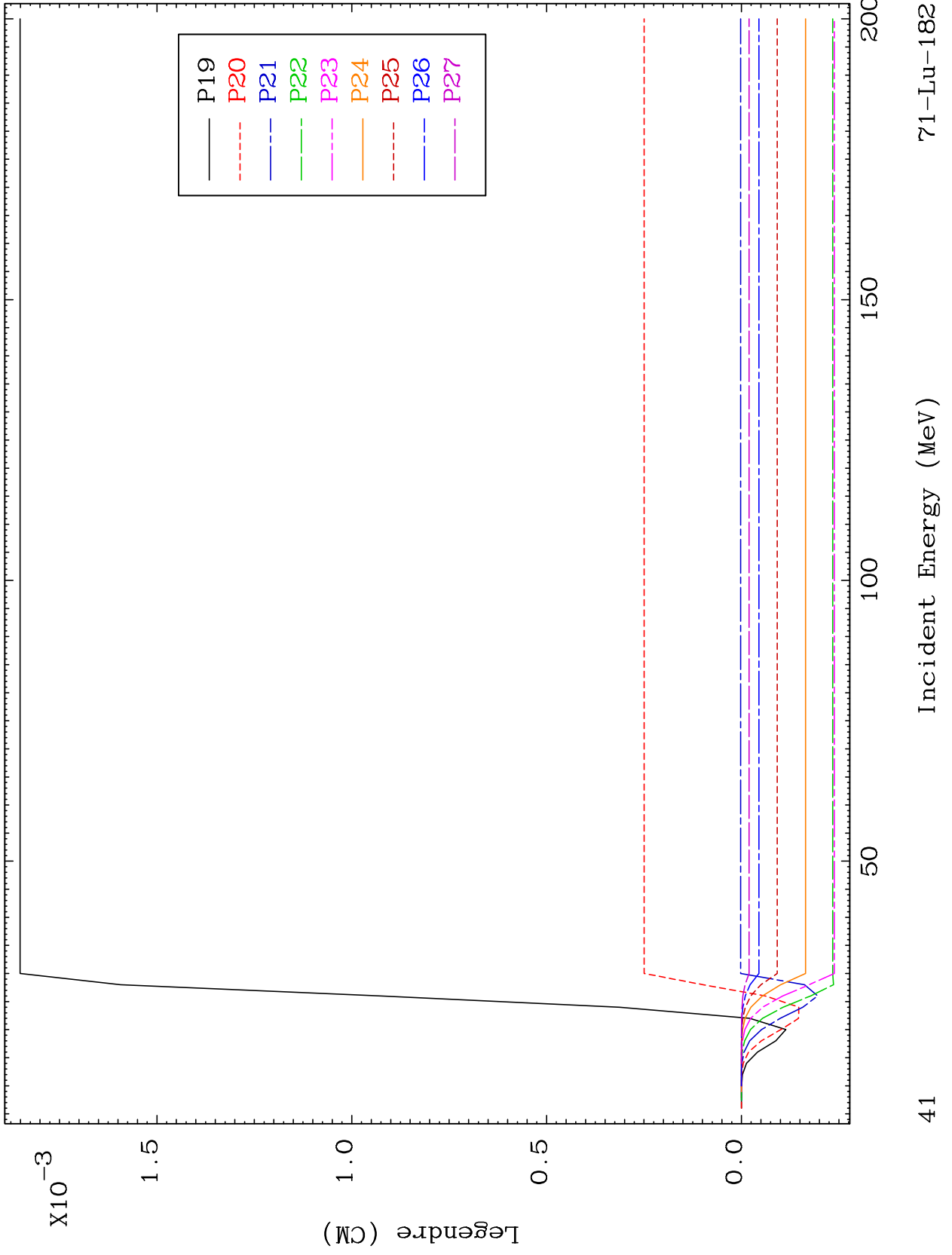
39

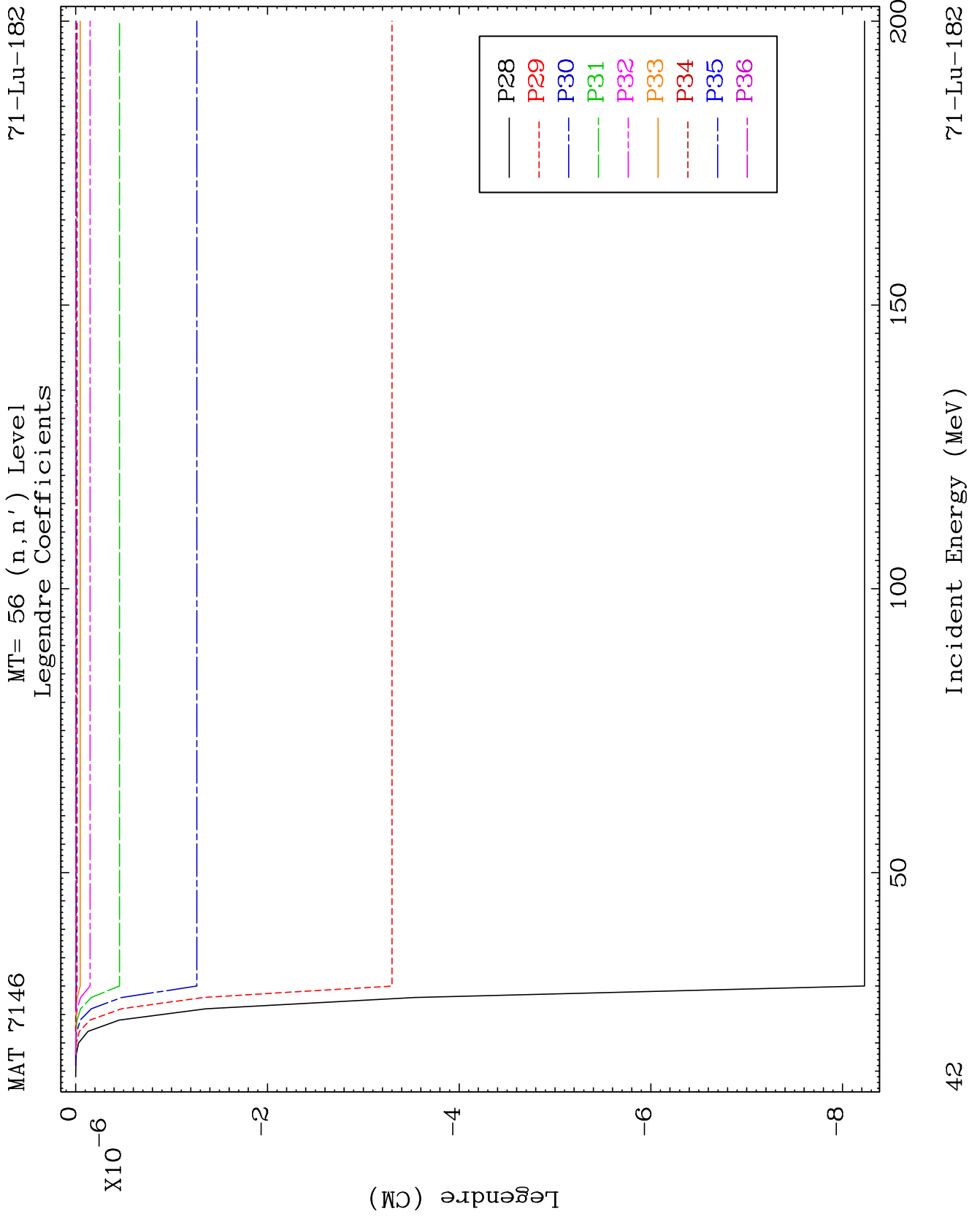


MAT 7146

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

71-Lu-182

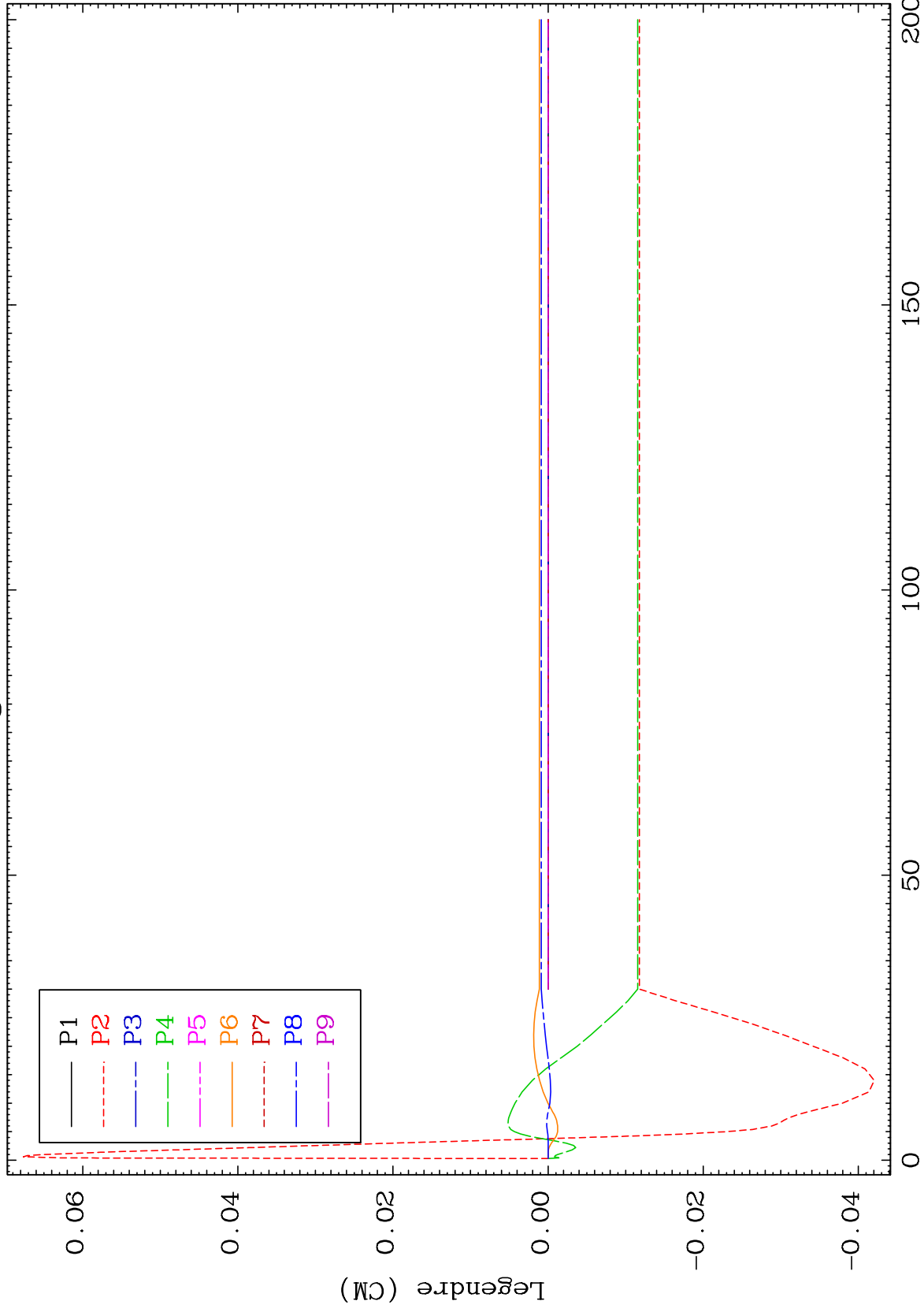




MAT 7146

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

71-Lu-182



43

71-Lu-182

MAT 7146

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

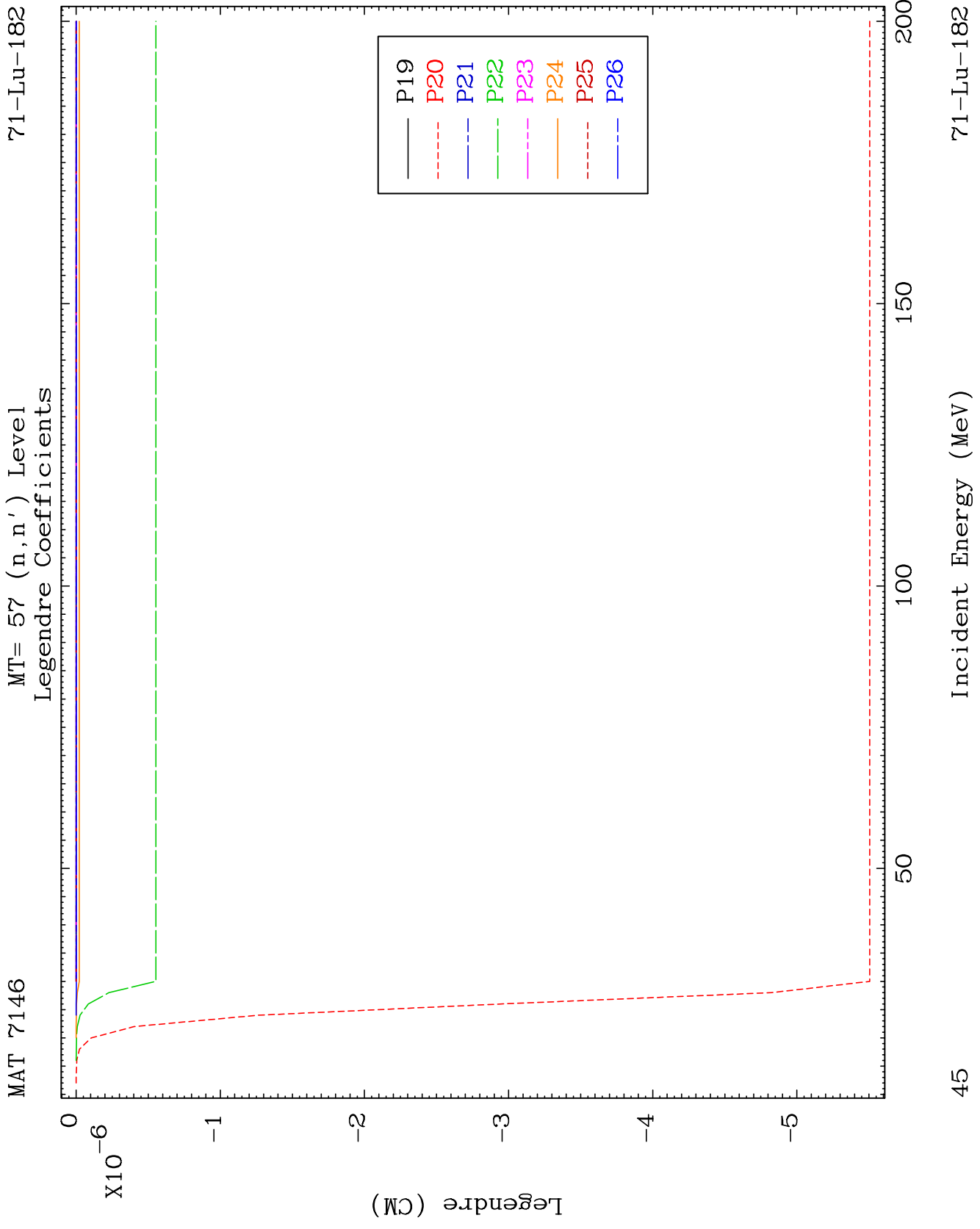
71-Lu-182



44

Incident Energy (MeV)

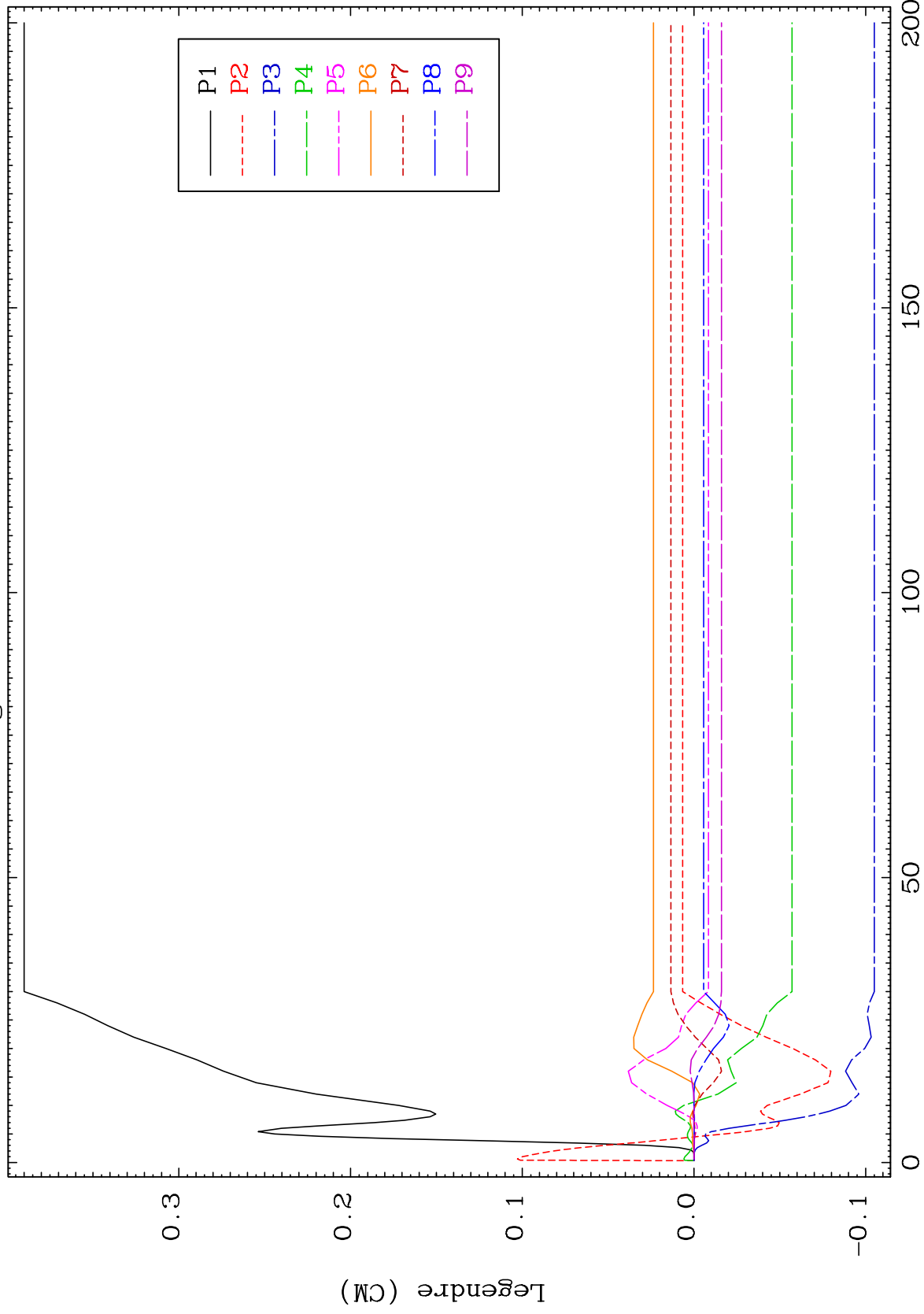
71-Lu-182



MAT 7146

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

71-Lu-182



46

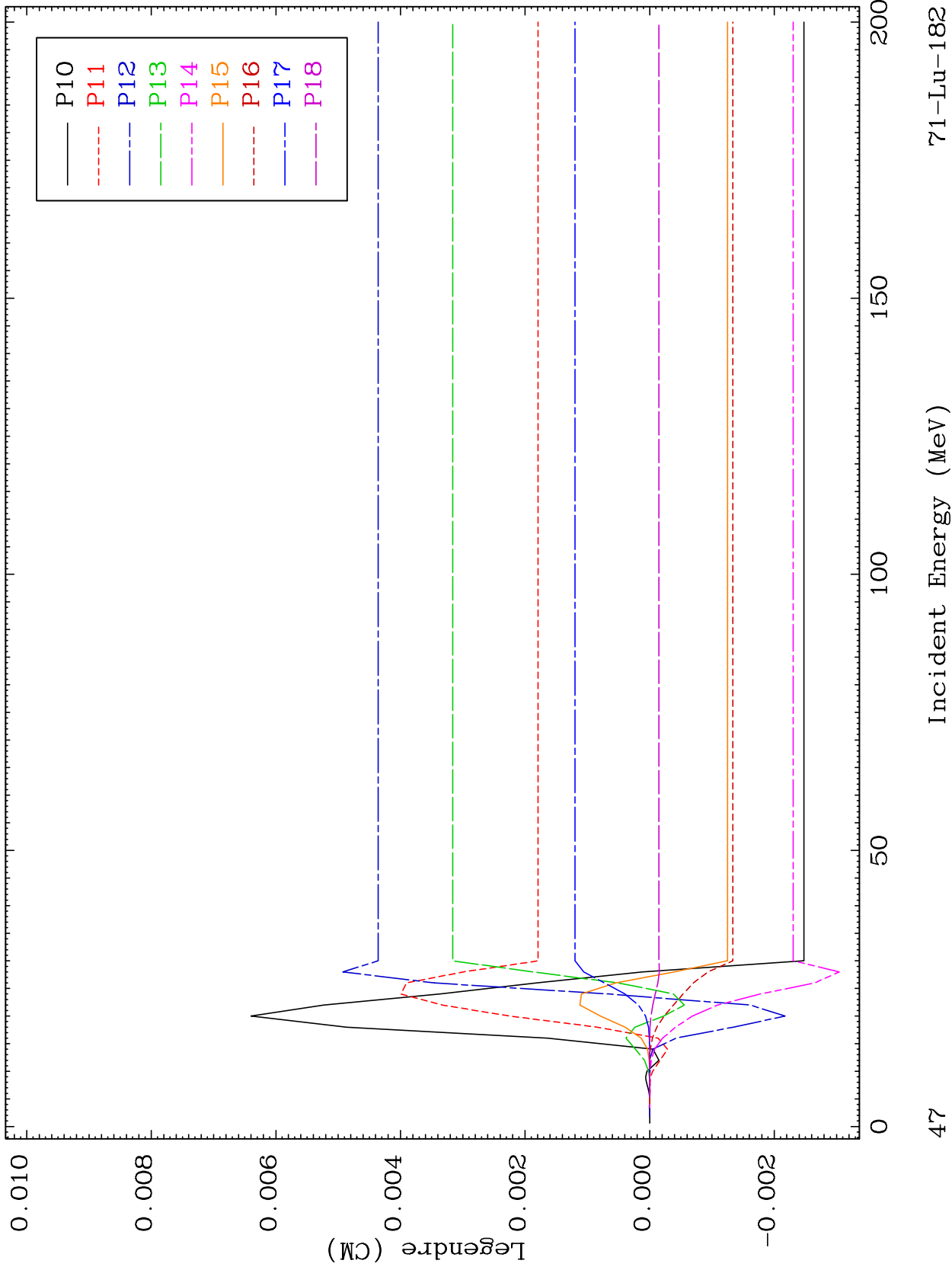
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



71-Lu-182

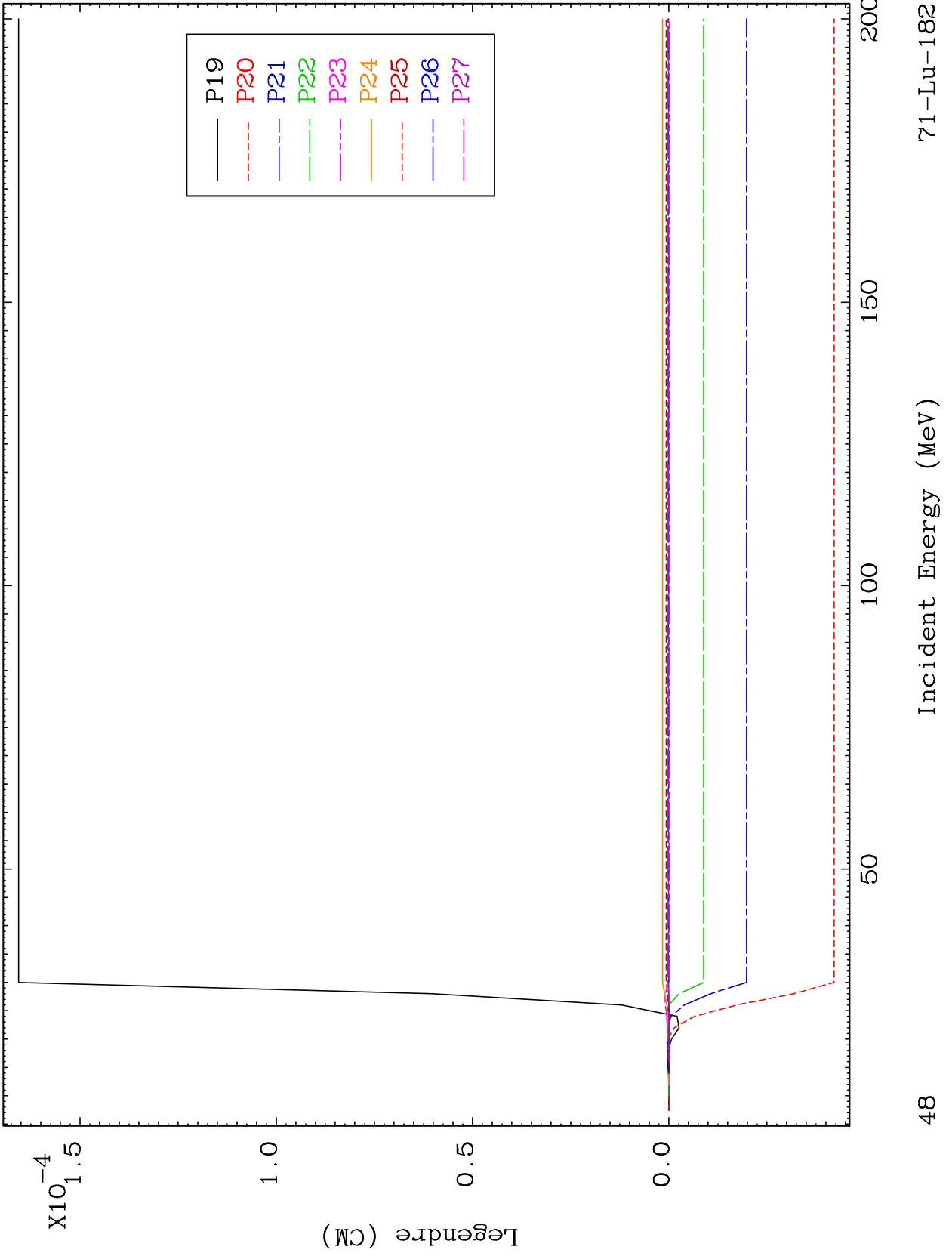
Incident Energy (MeV)

47

MAT 7146

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

71-Lu-182



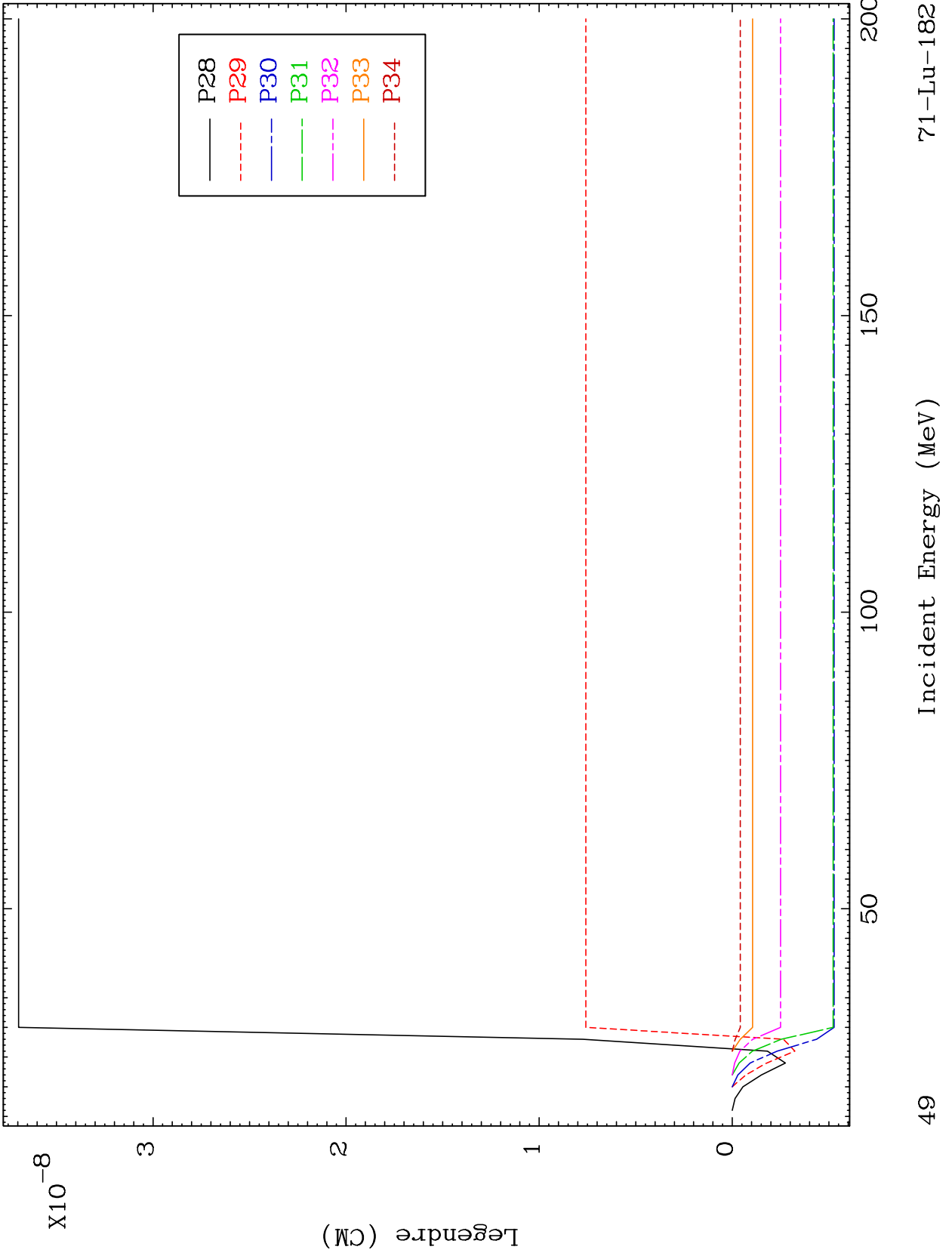
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71-Lu-182

MAT 7146

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

71-Lu-182



49

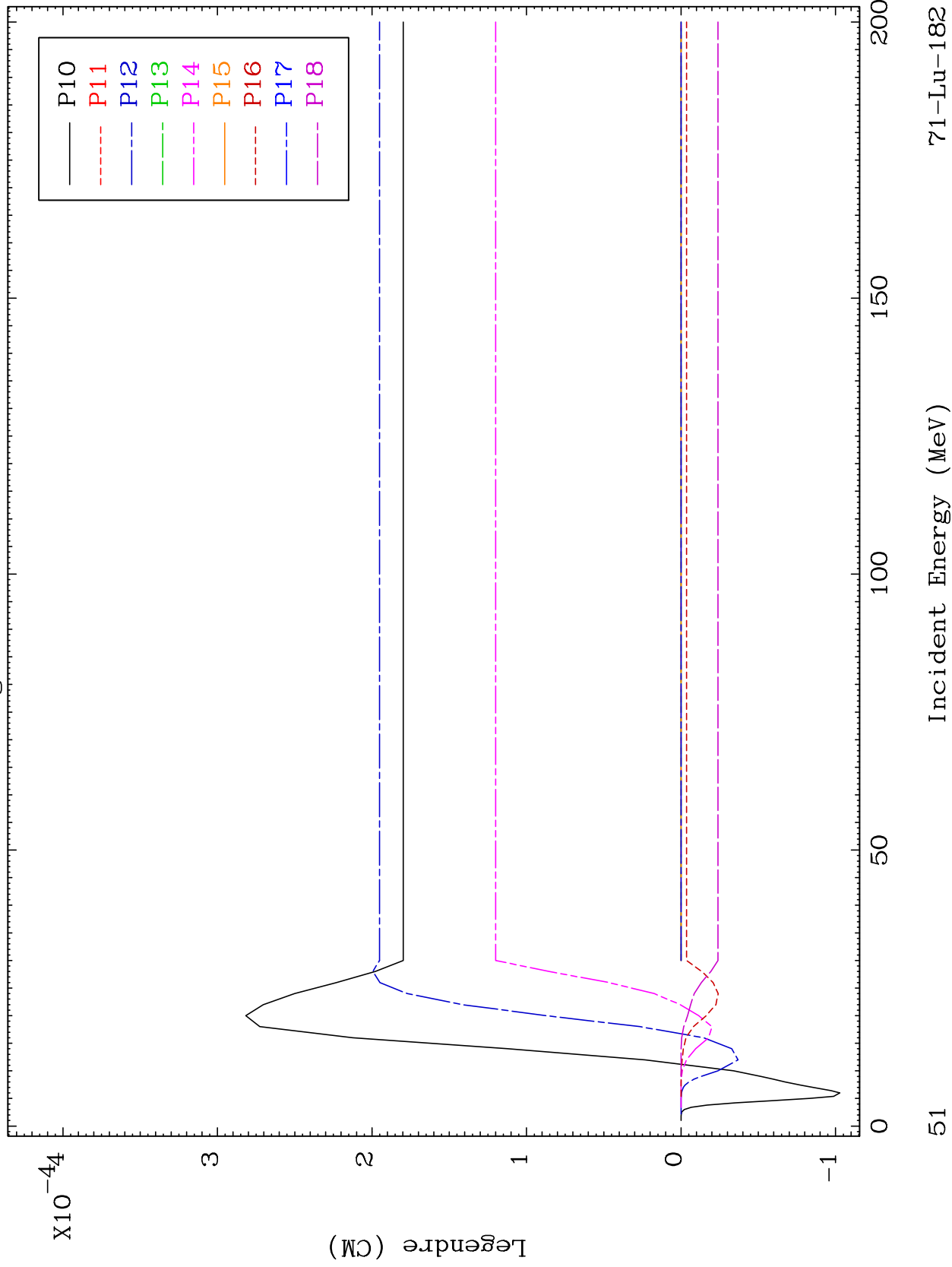
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

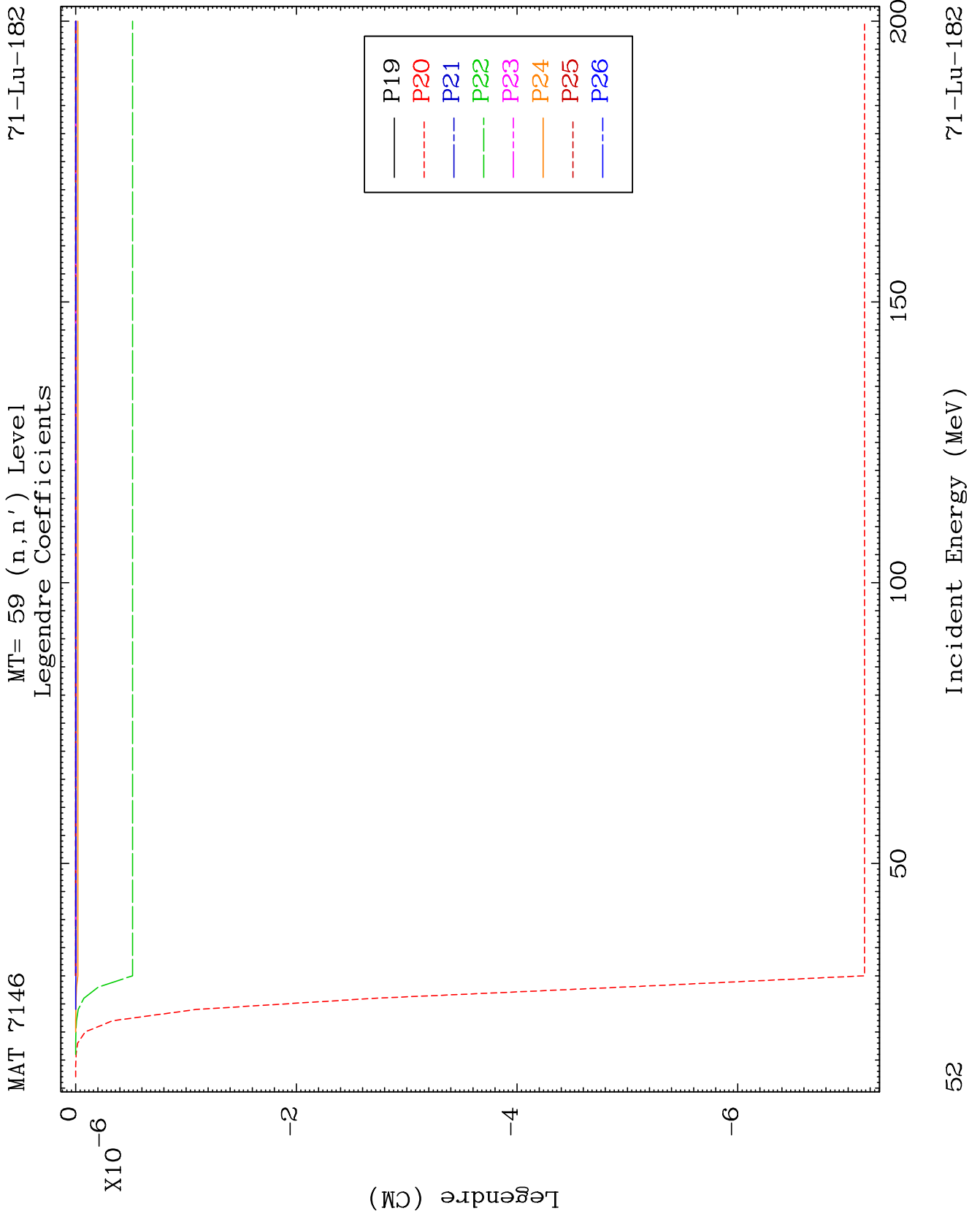
71-Lu-182



71-Lu-182

Incident Energy (MeV)

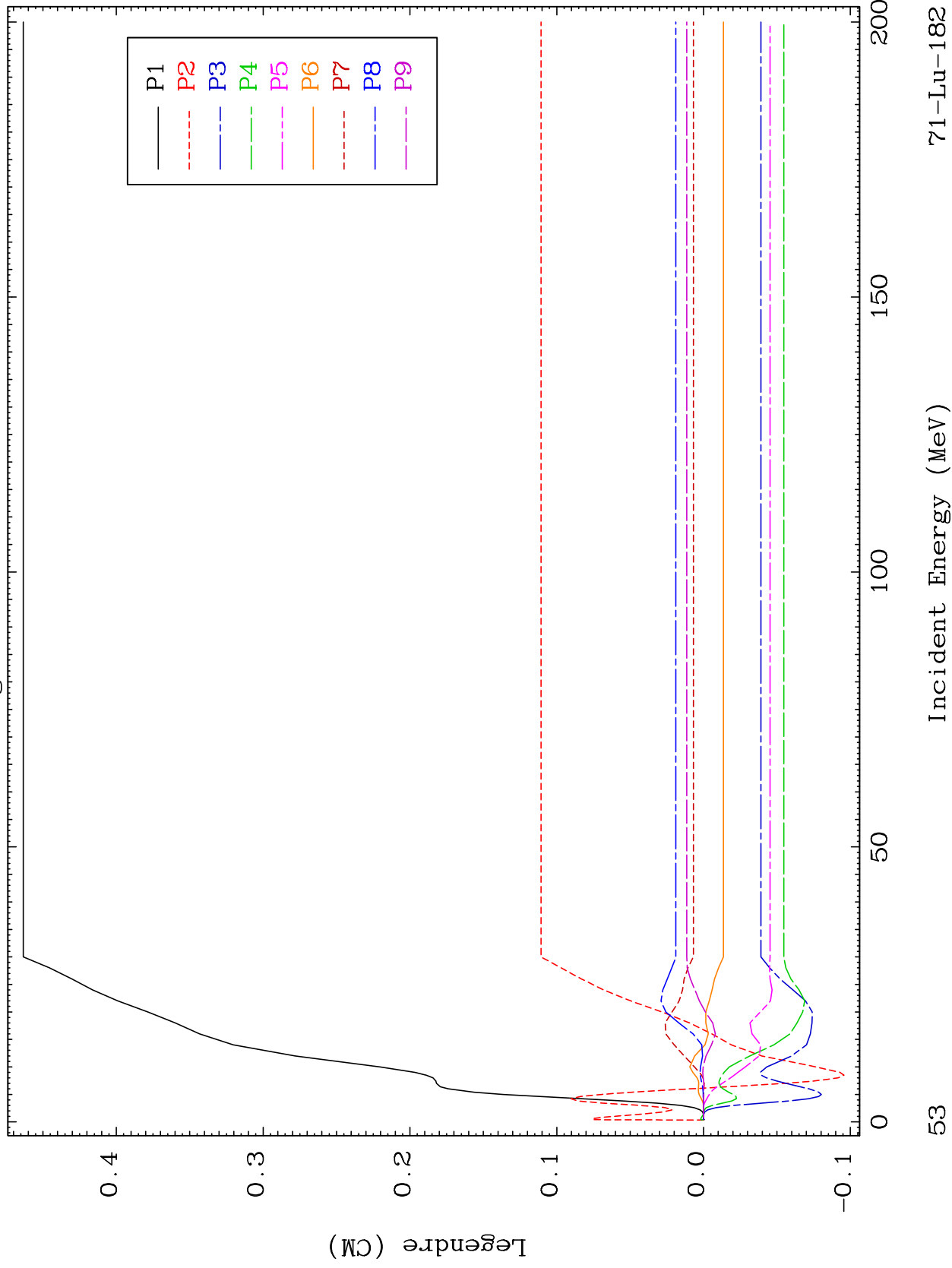
51



MAT 7146

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

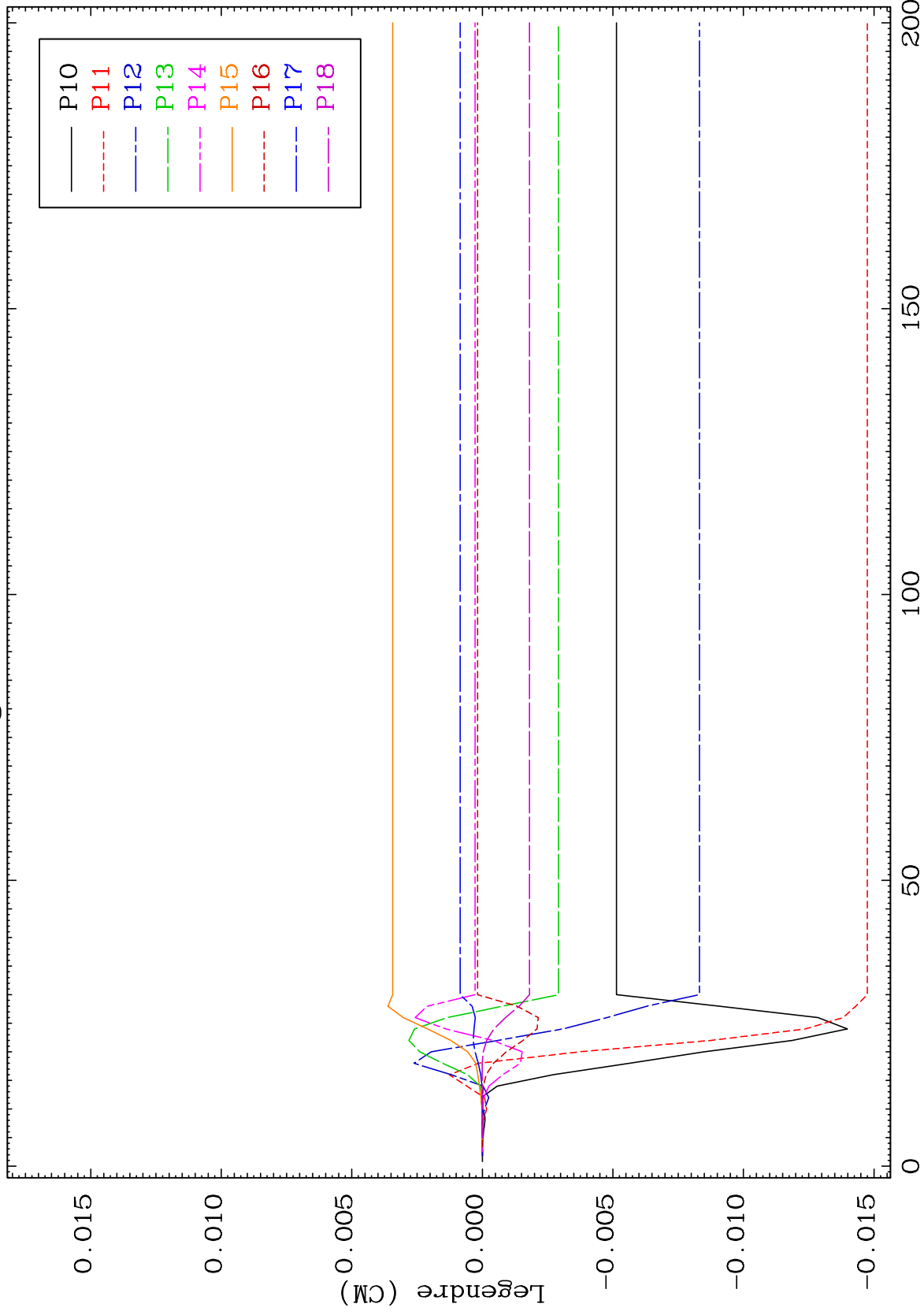
71-Lu-182



MAT 7146

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

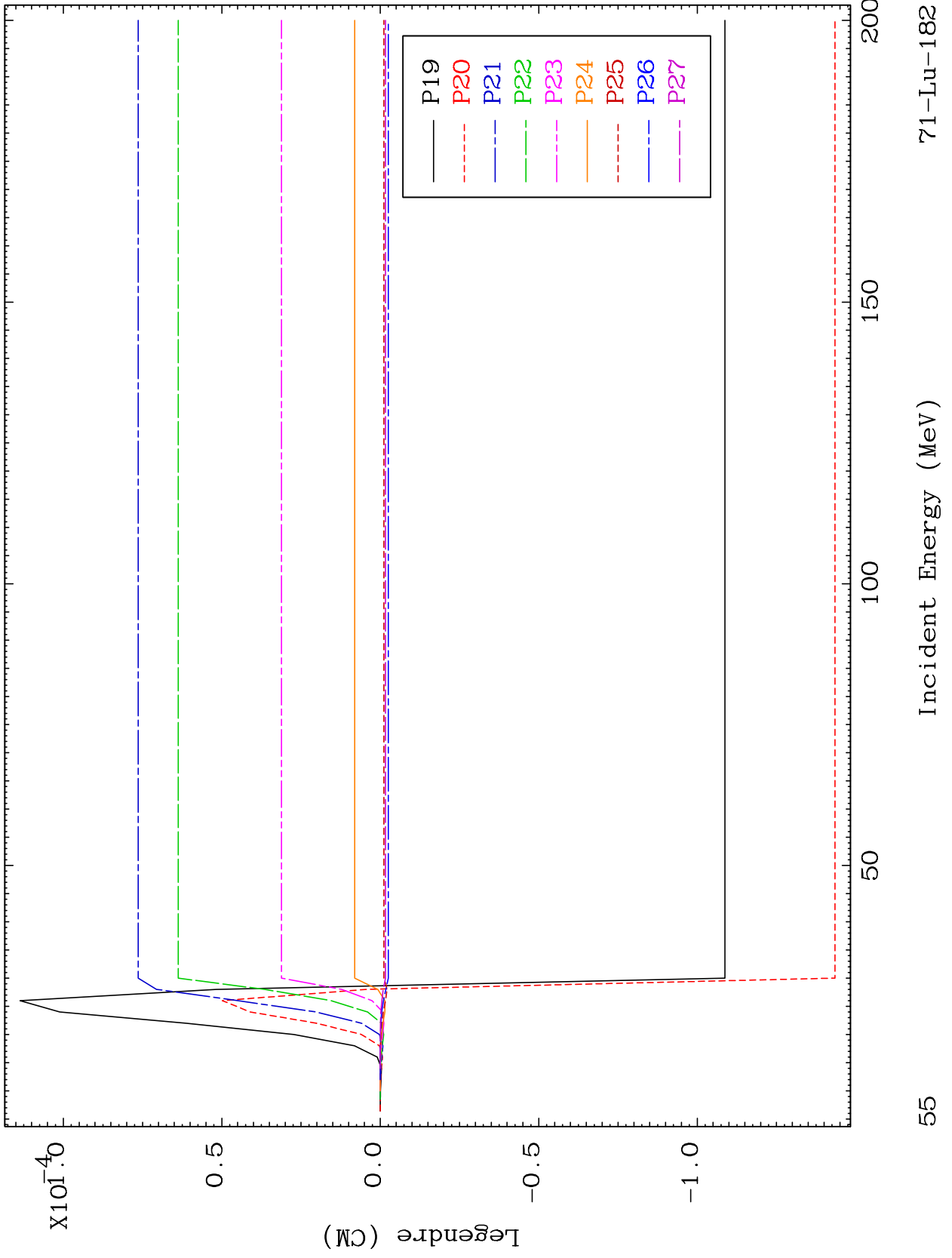
71-Lu-182



54

Incident Energy (MeV)

71-Lu-182

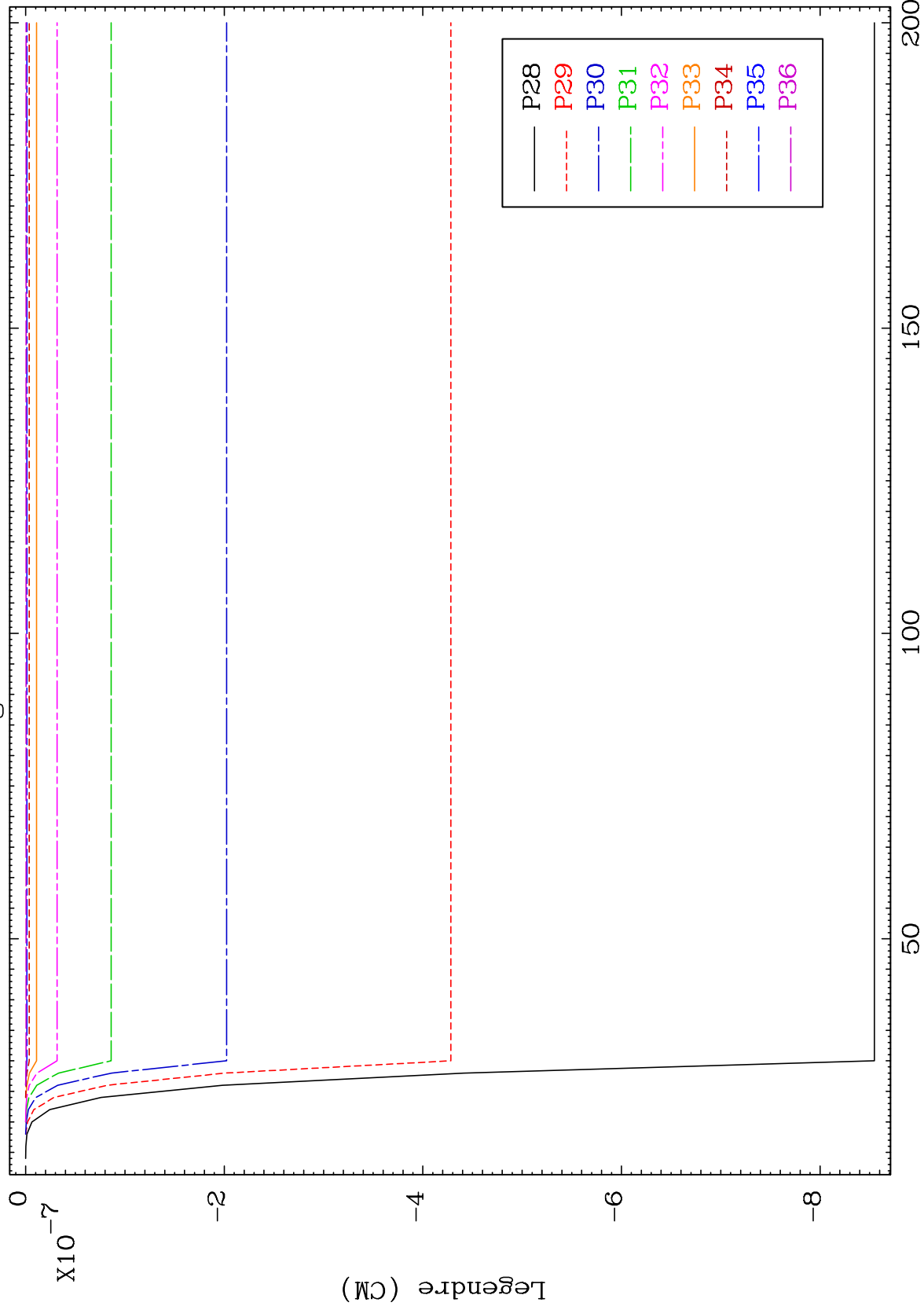


MAT 7146

MT= 60 (n,n') Level

71-Lu-182

Legendre Coefficients



71-Lu-182

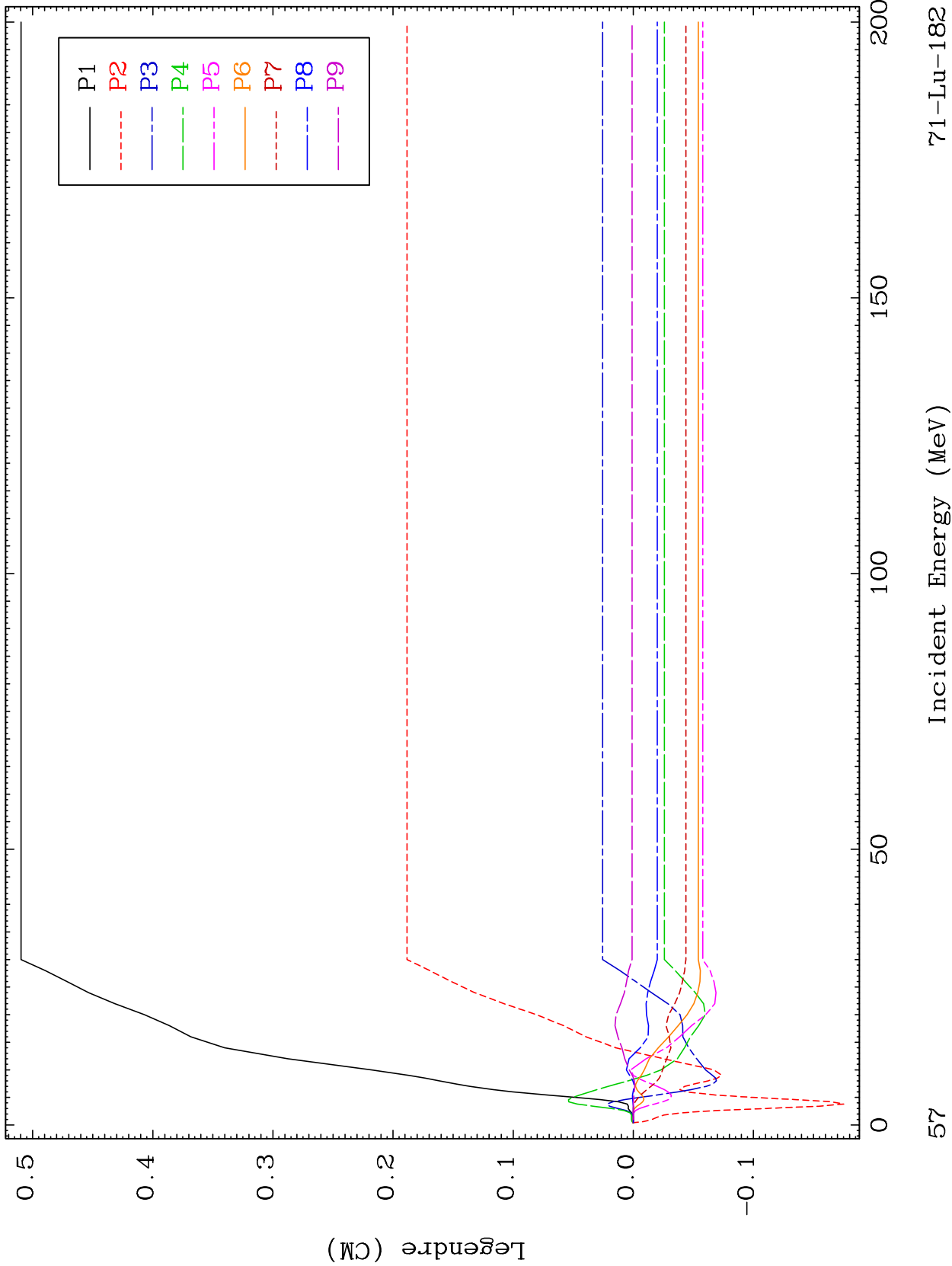
Incident Energy (MeV)

56

MAT 7146

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

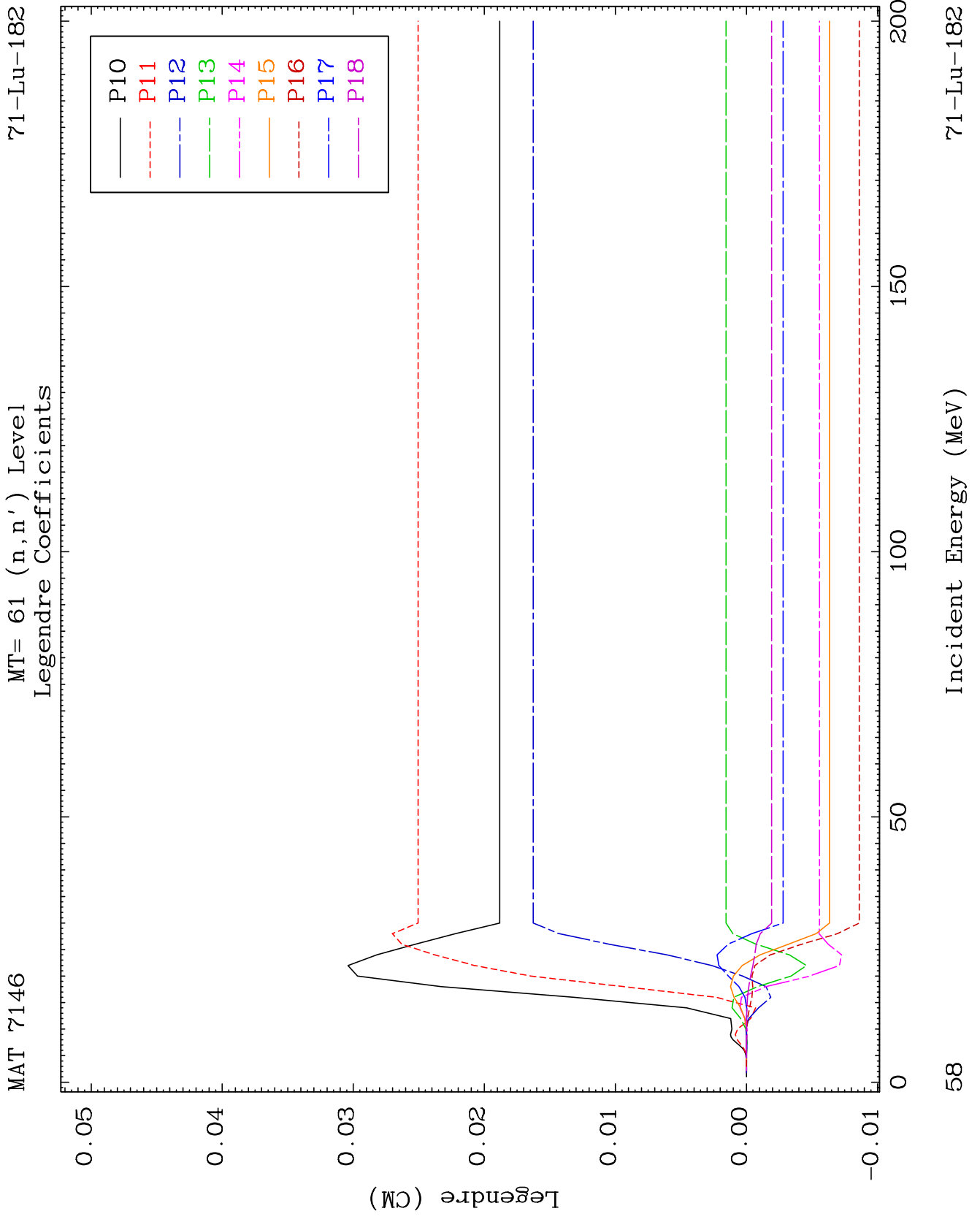
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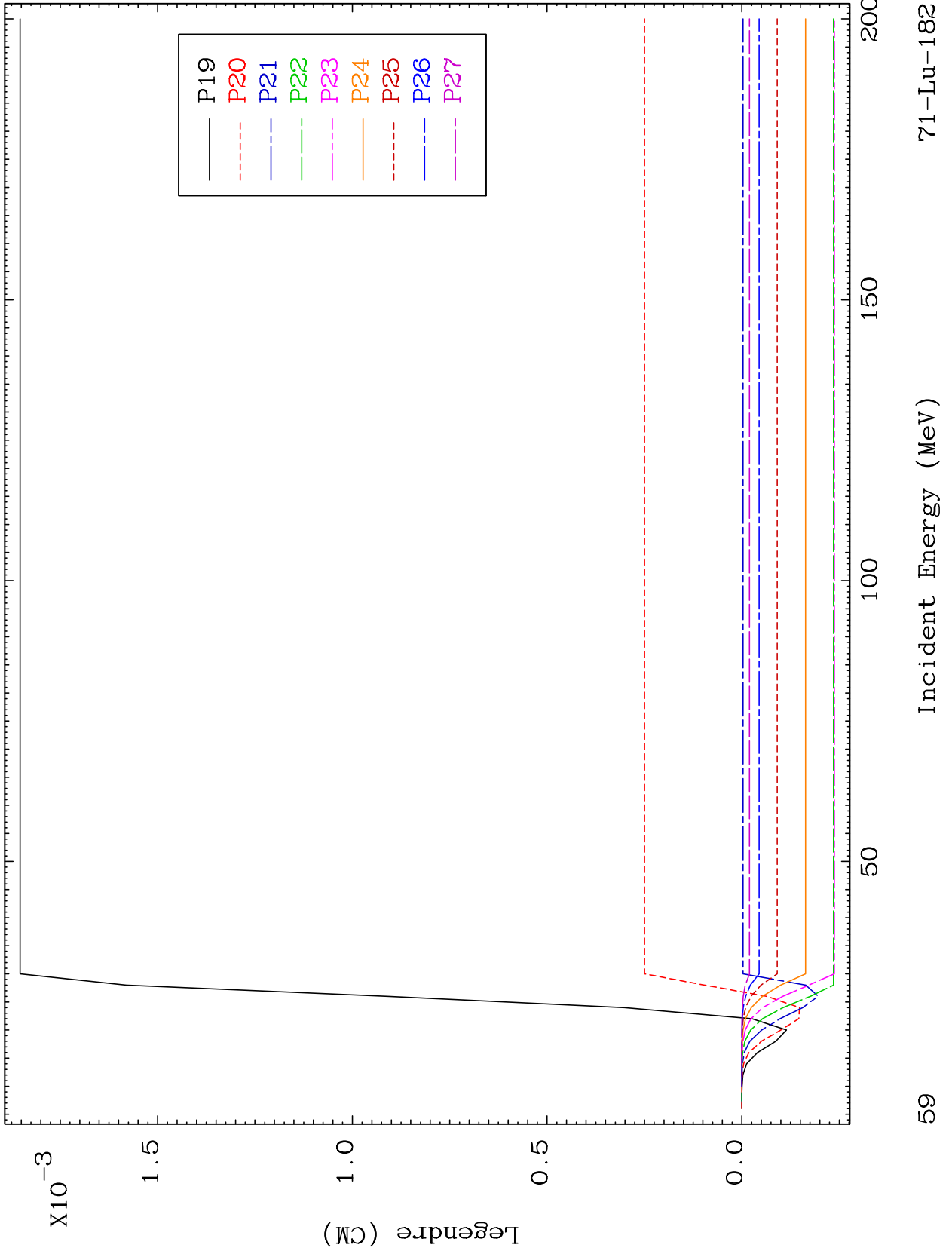


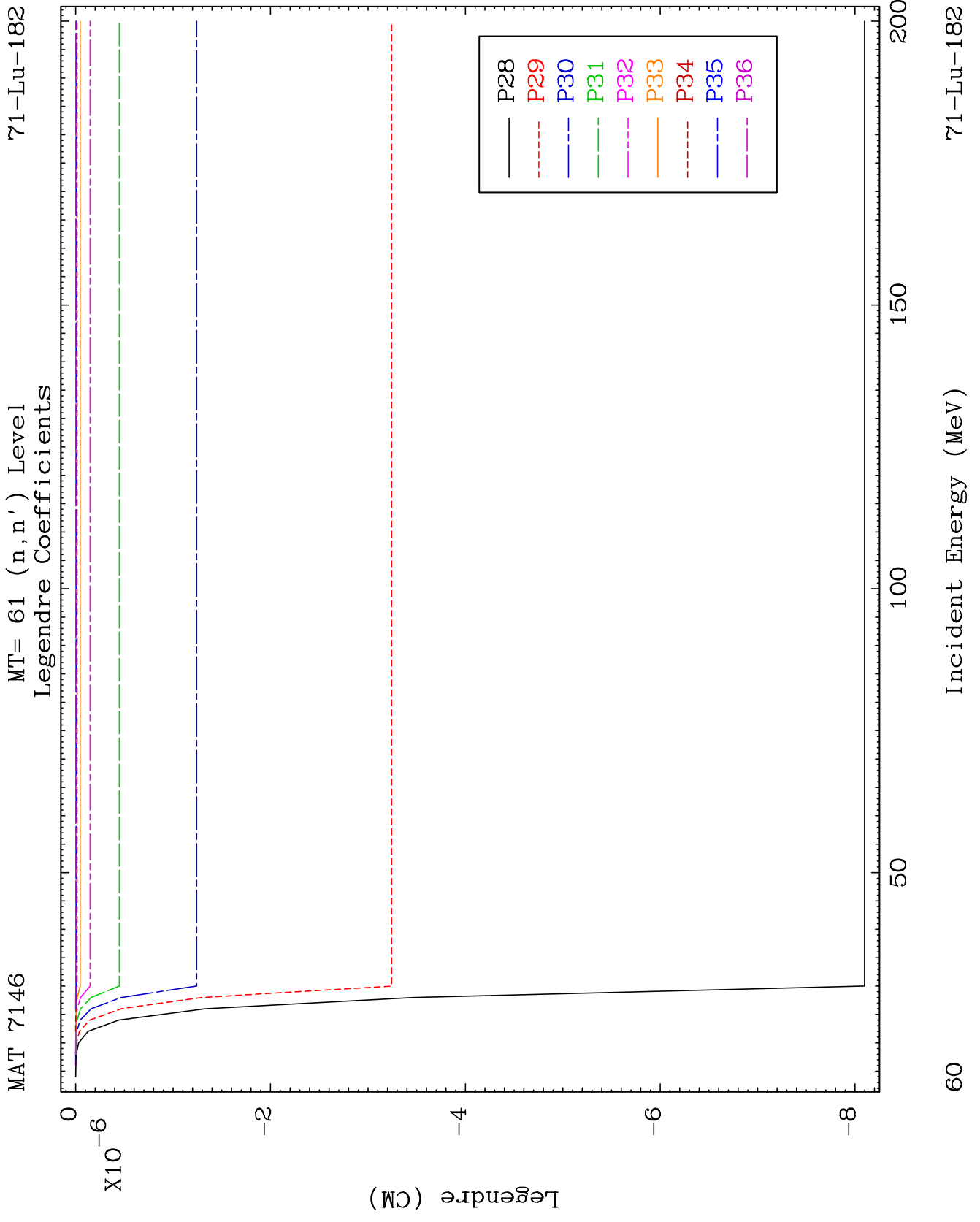
71-Lu-182

Incident Energy (MeV)

57



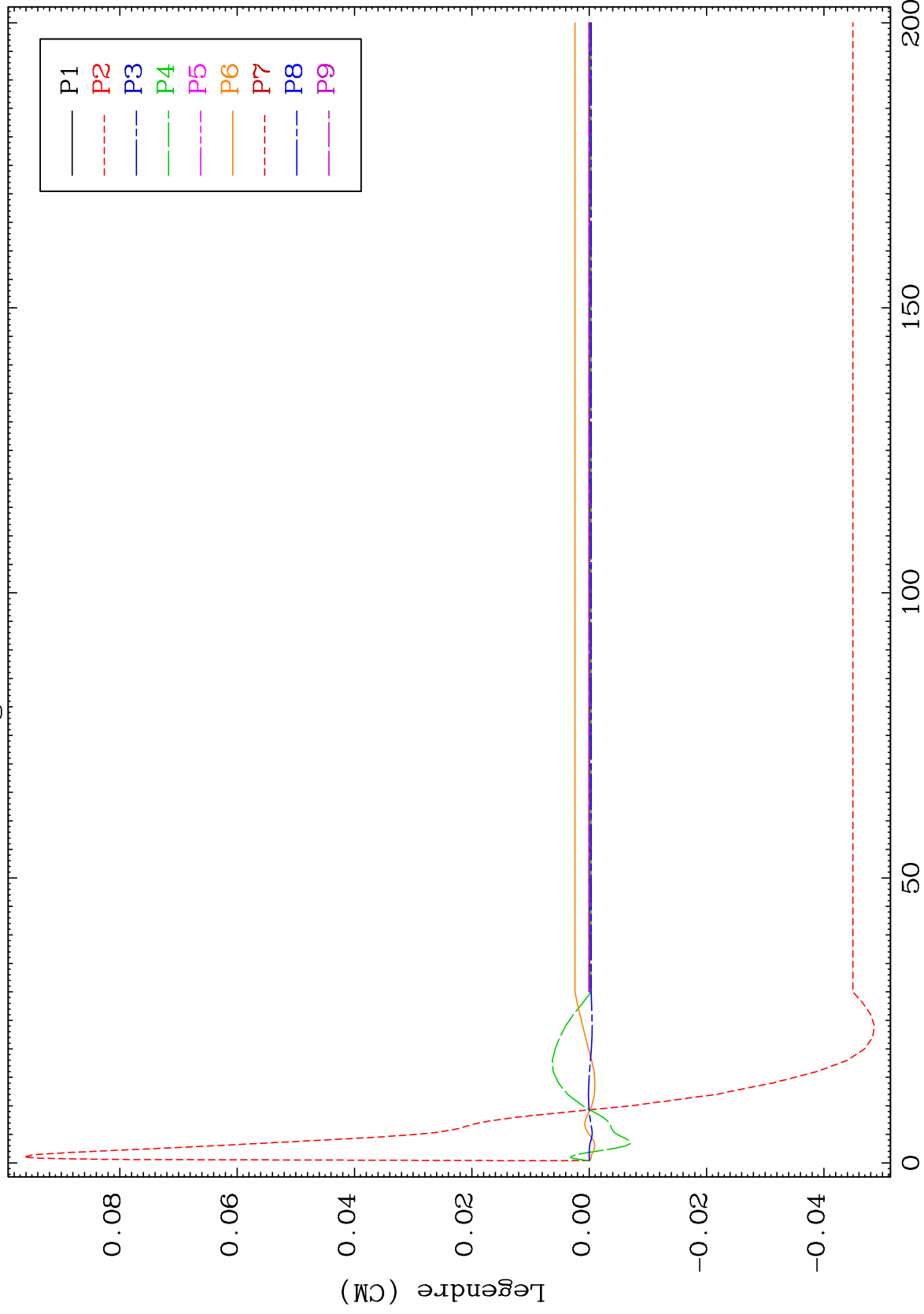




MAT 7146

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

71-Lu-182



61

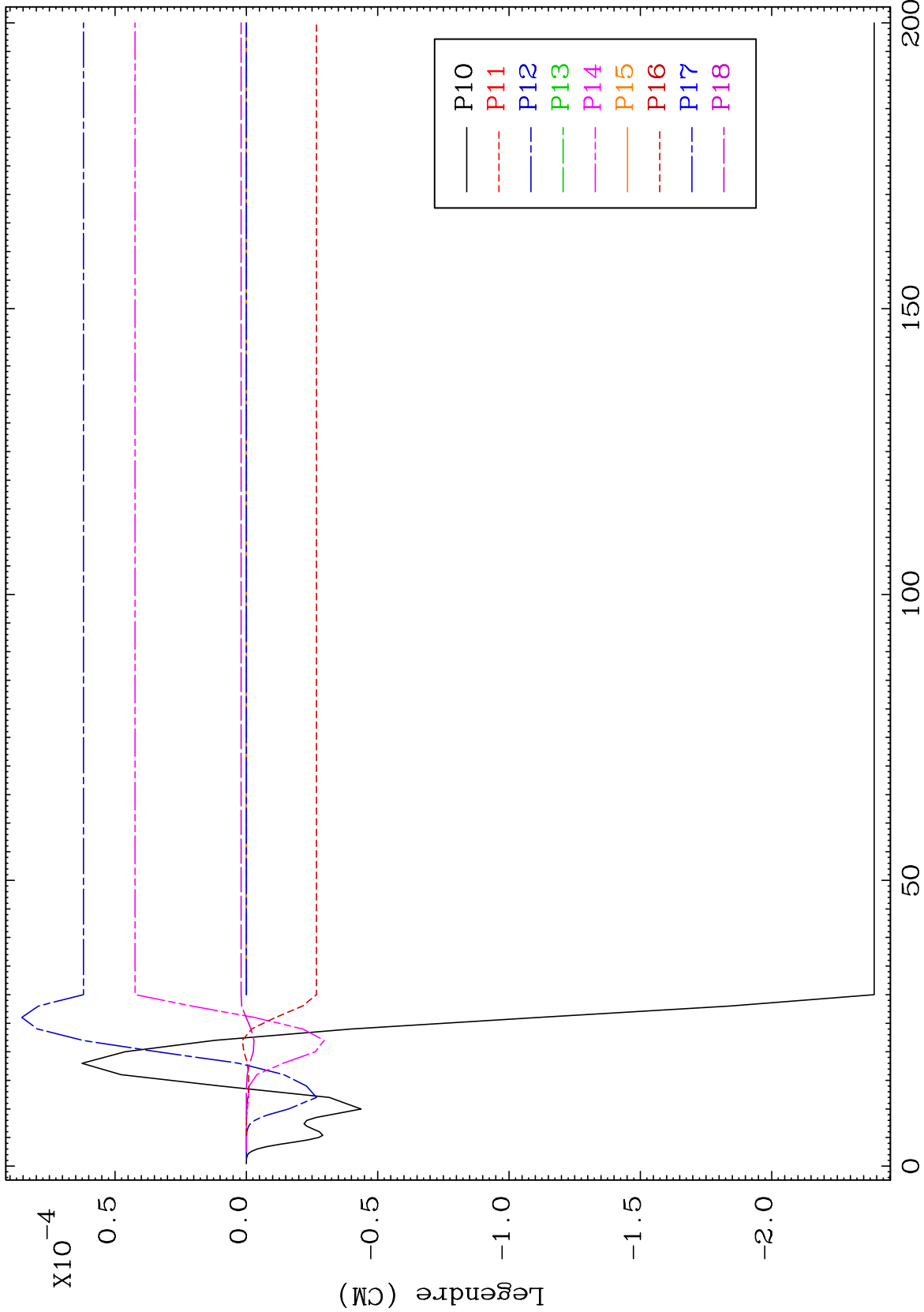
71-Lu-182

71-Lu-182

MAT 7146

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

71-Lu-182



62

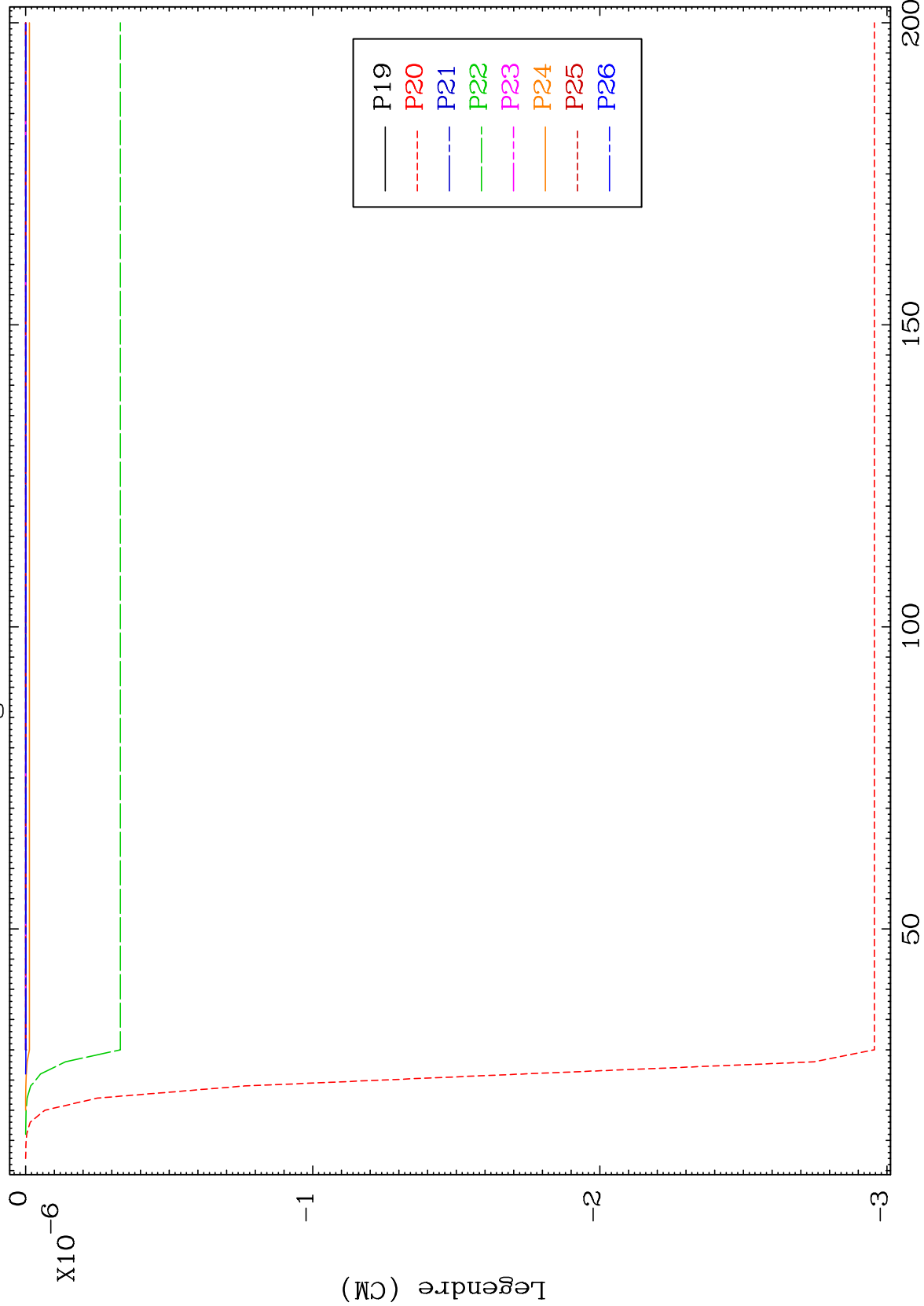
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



63

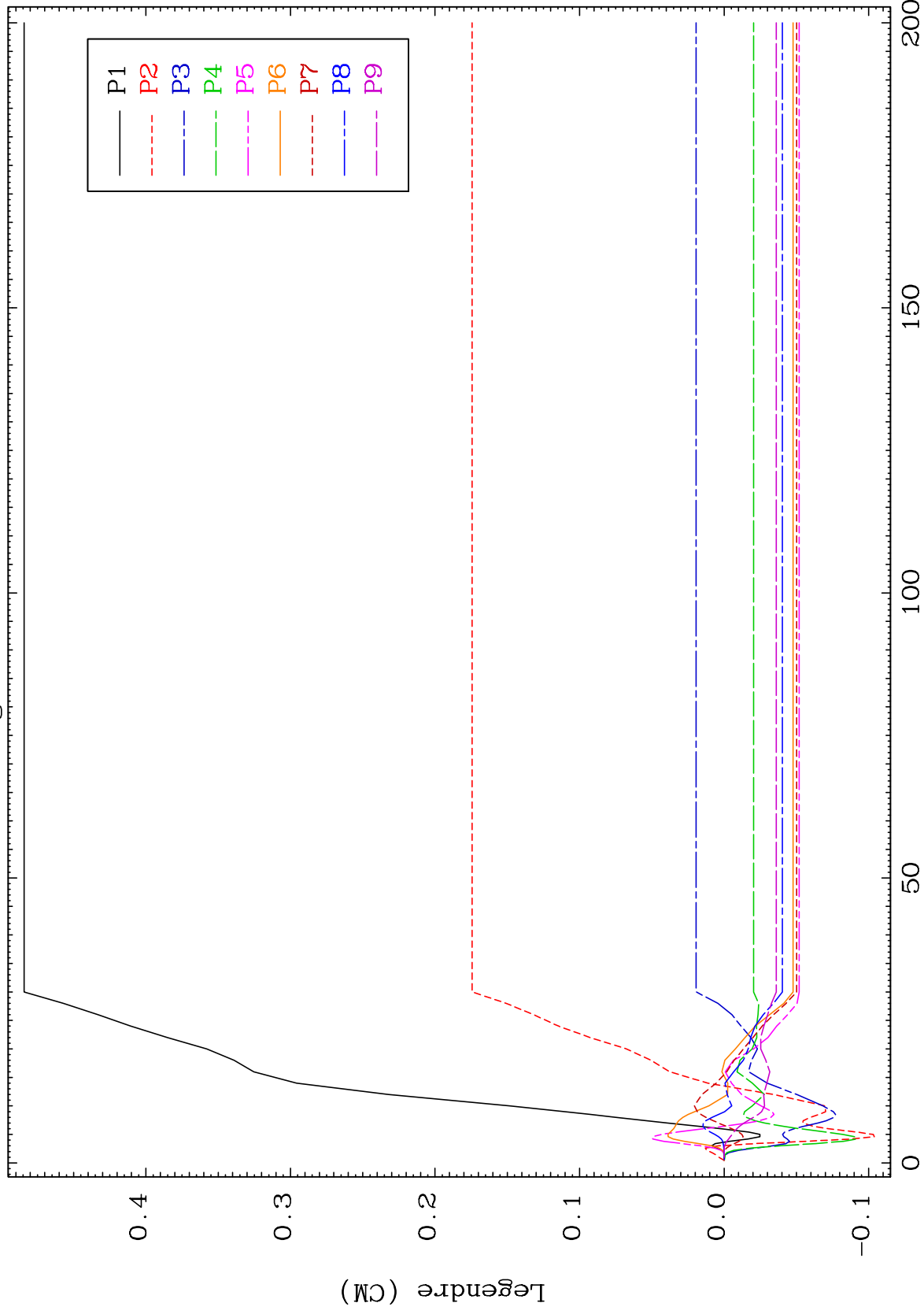
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



64

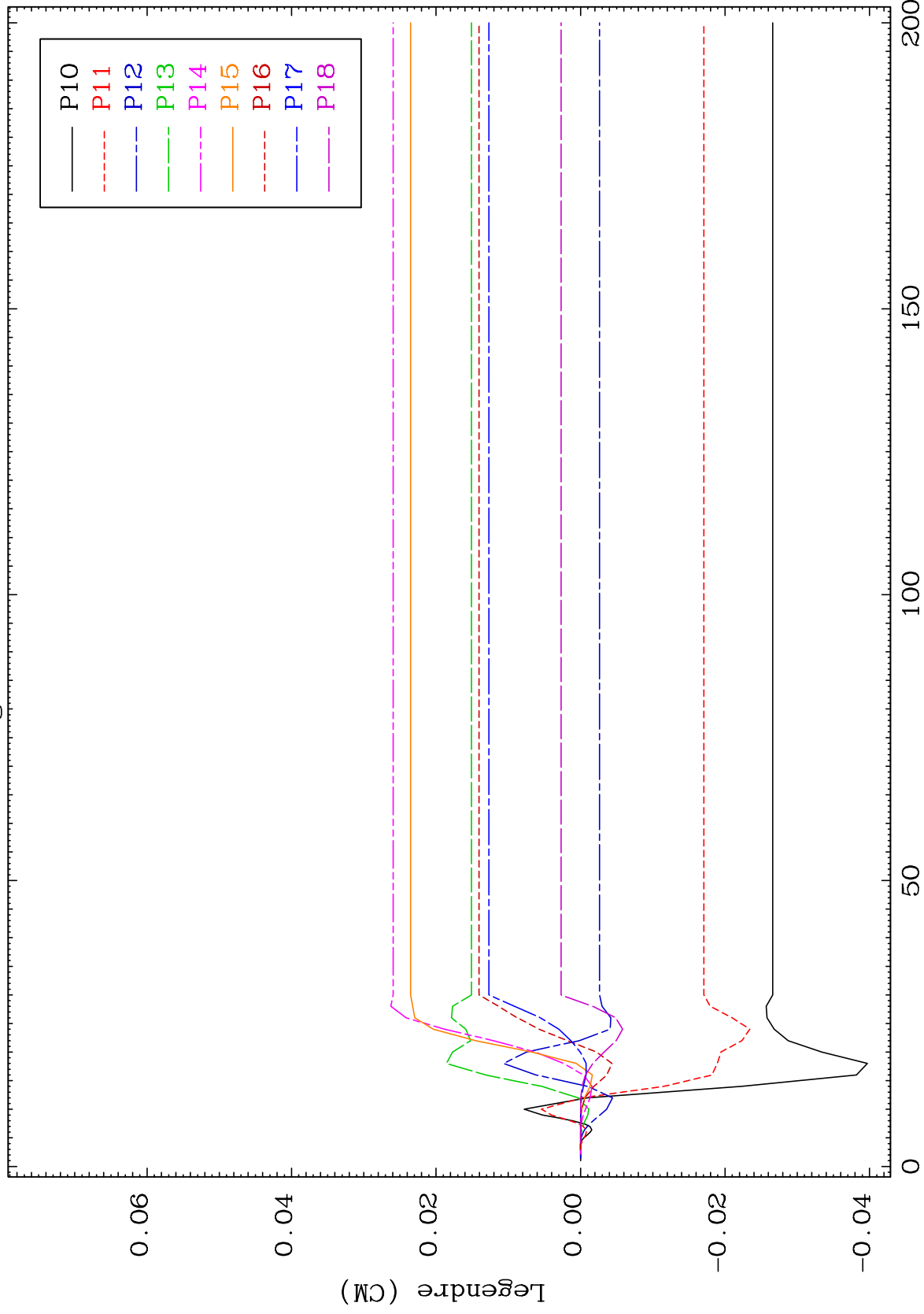
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

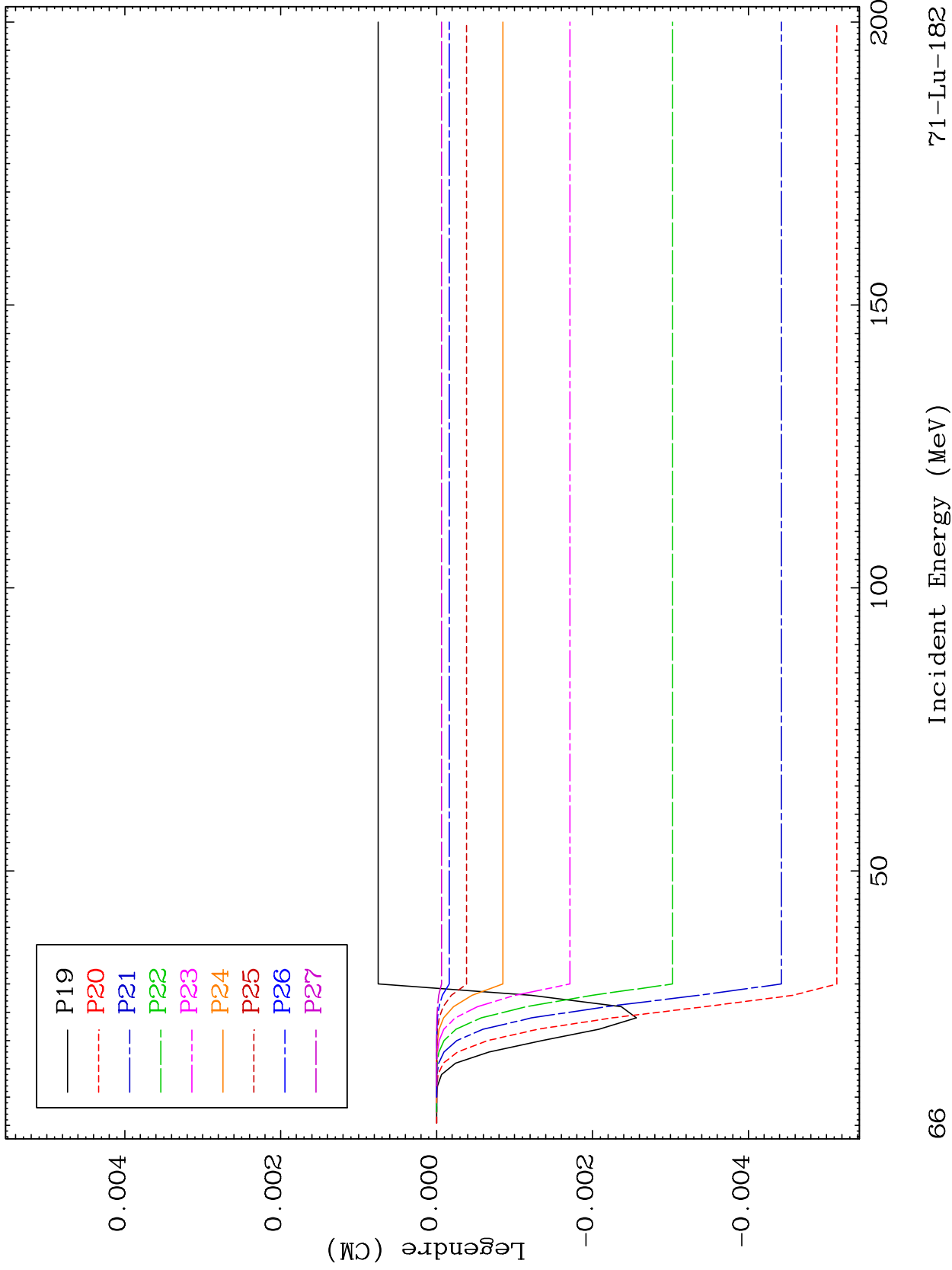
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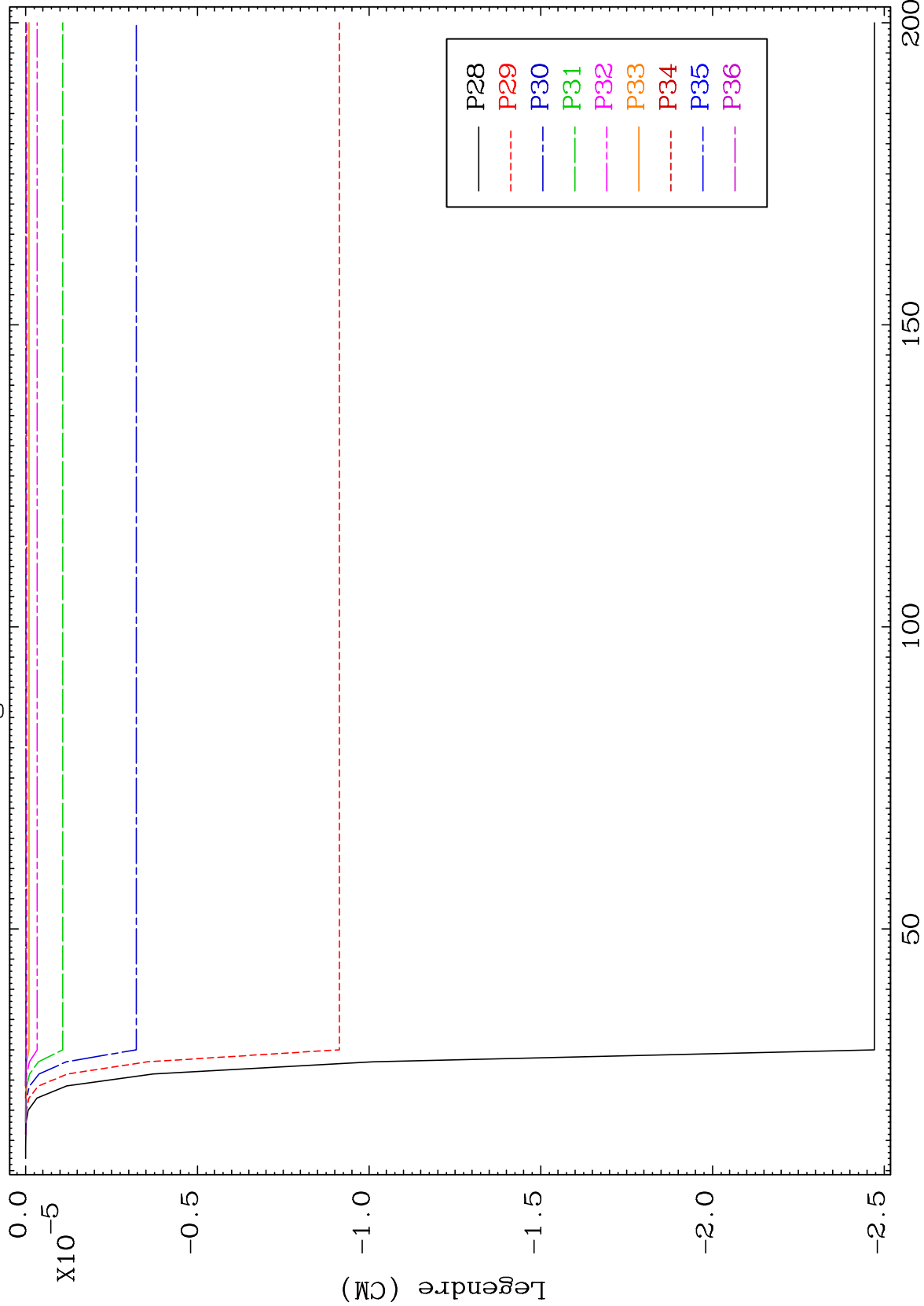


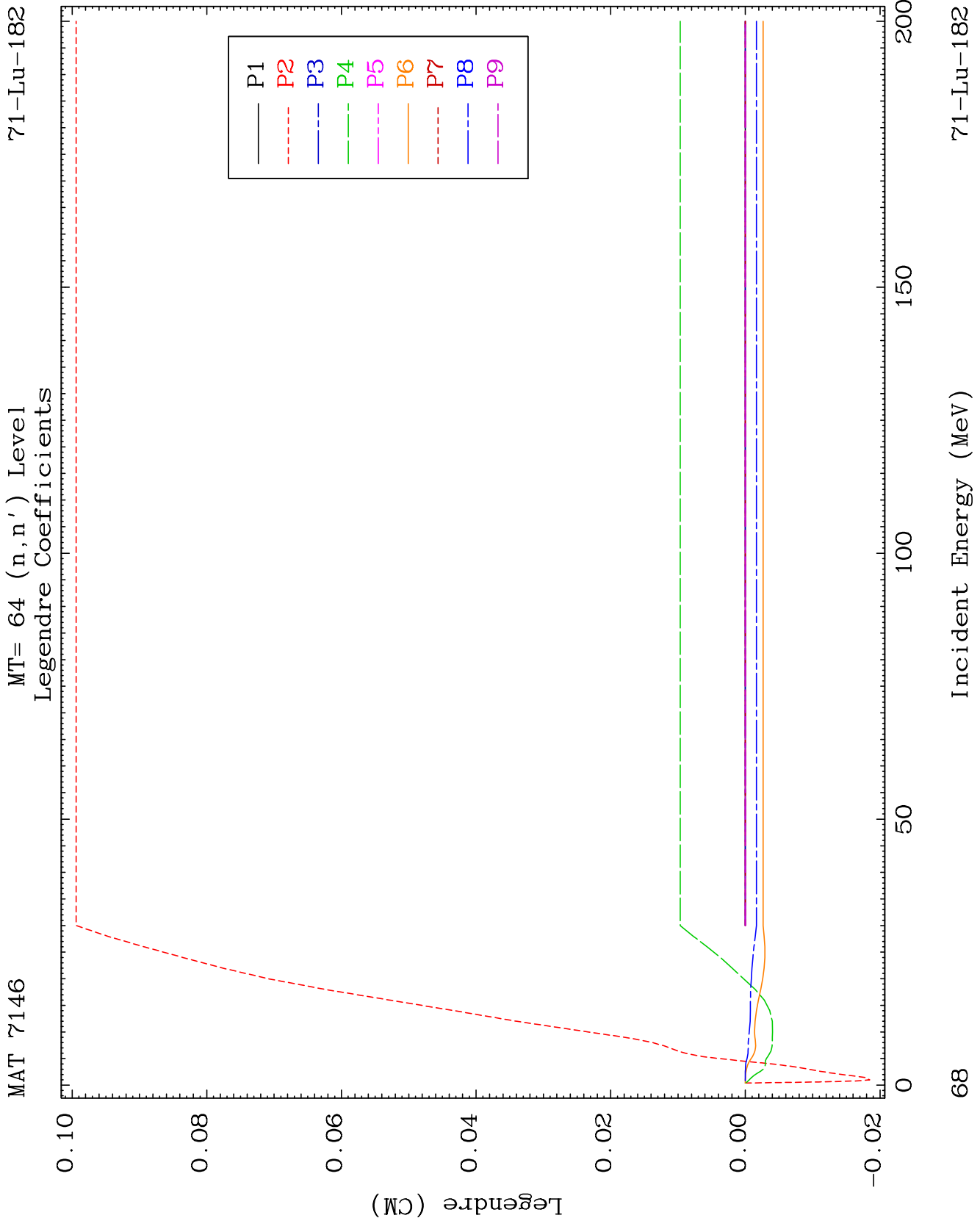
65

Incident Energy (MeV)

71-Lu-182







71-Lu-182

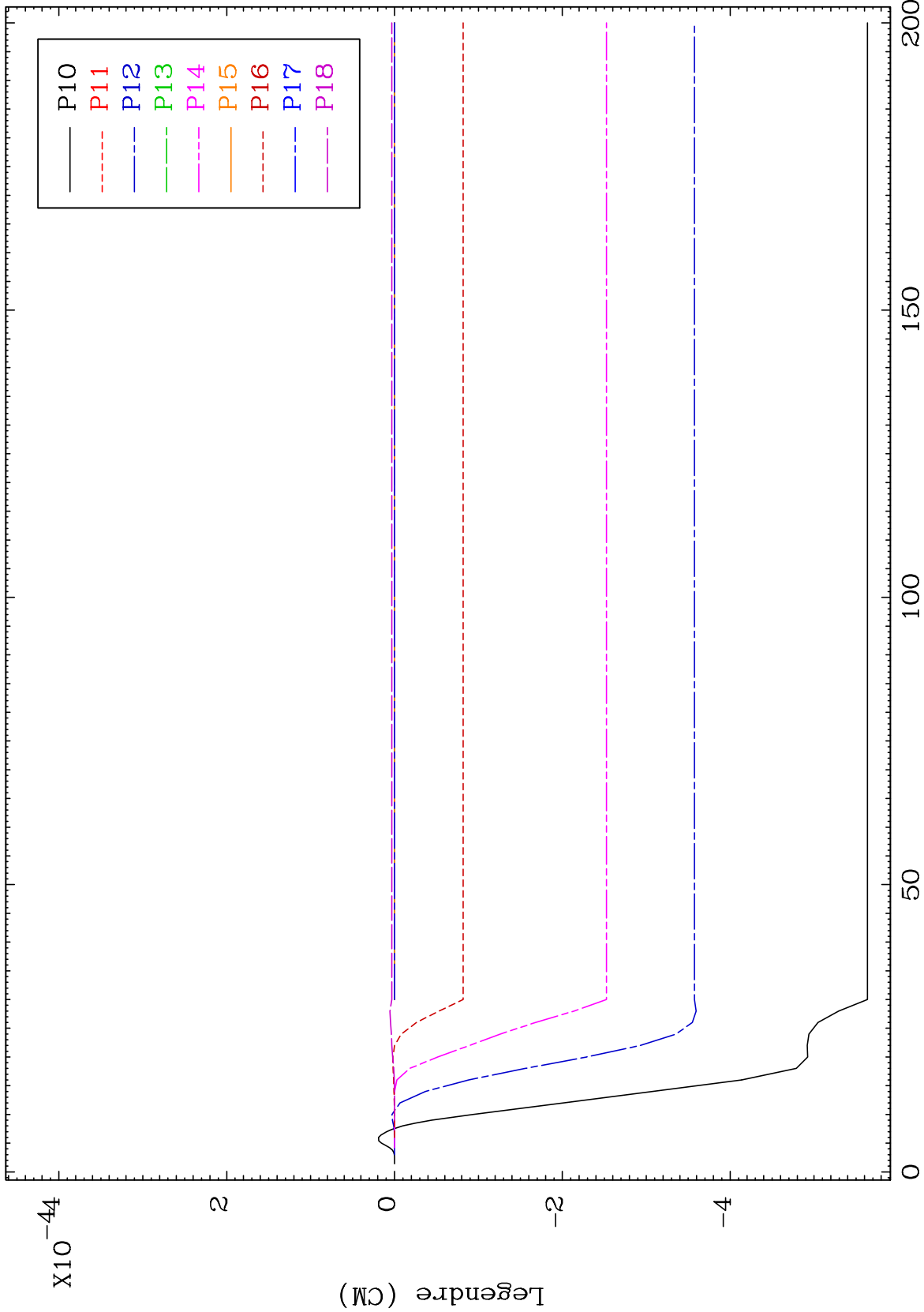
Incident Energy (MeV)

68

MAT 7146

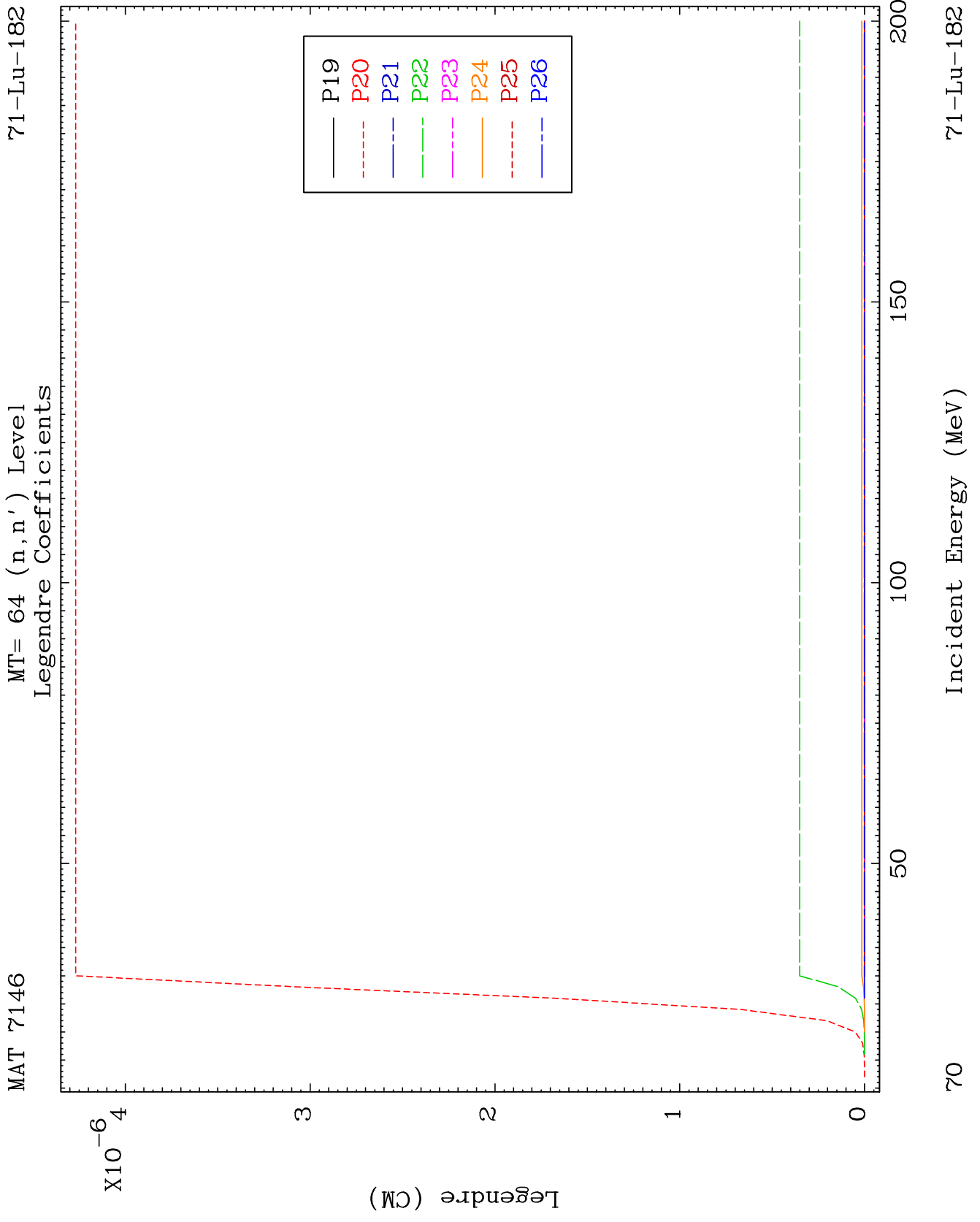
MT= 64 (n,n') Level
Legendre Coefficients

71-Lu-182



69

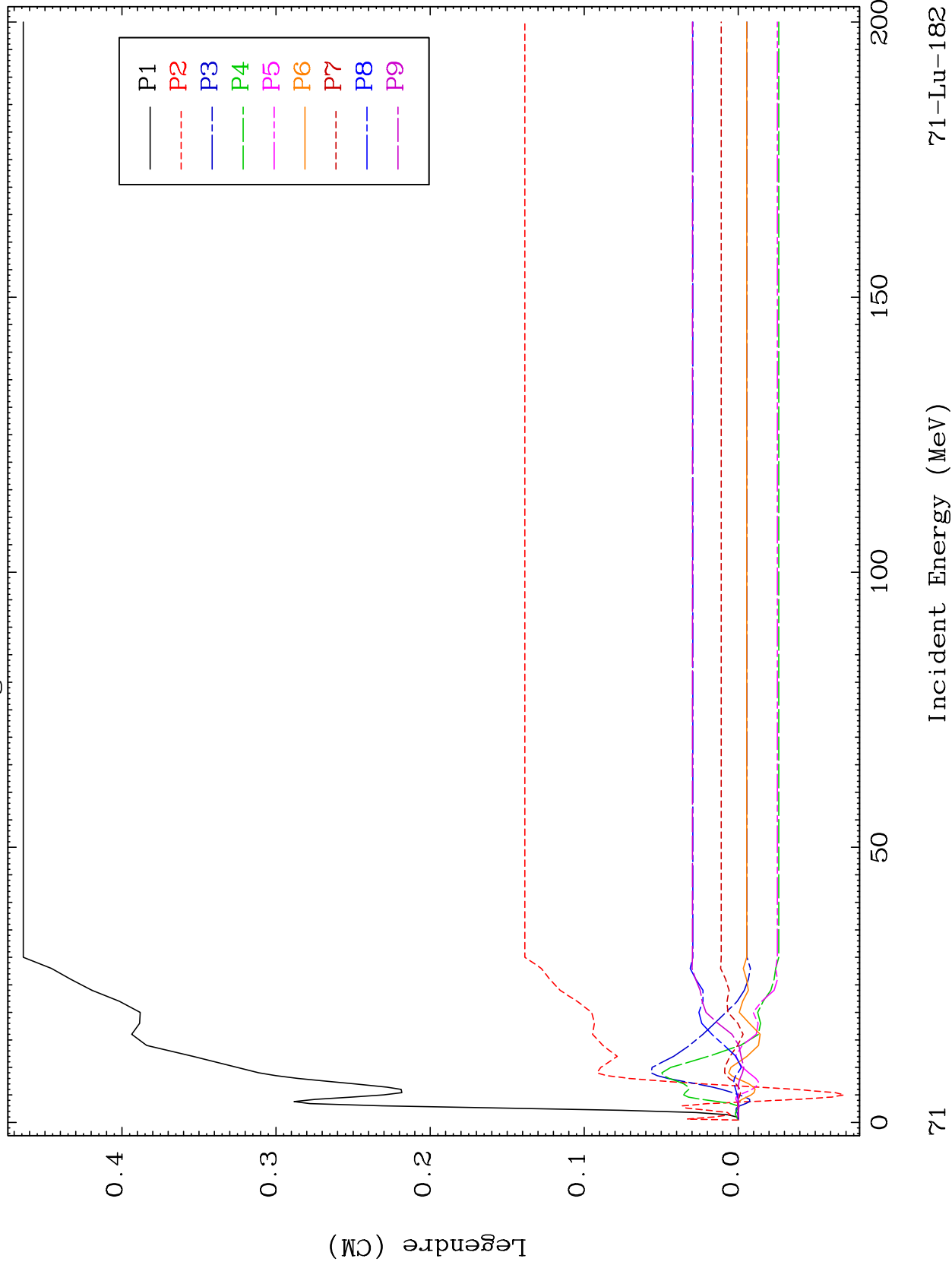
71-Lu-182



MAT 7146

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

71-Lu-182



71

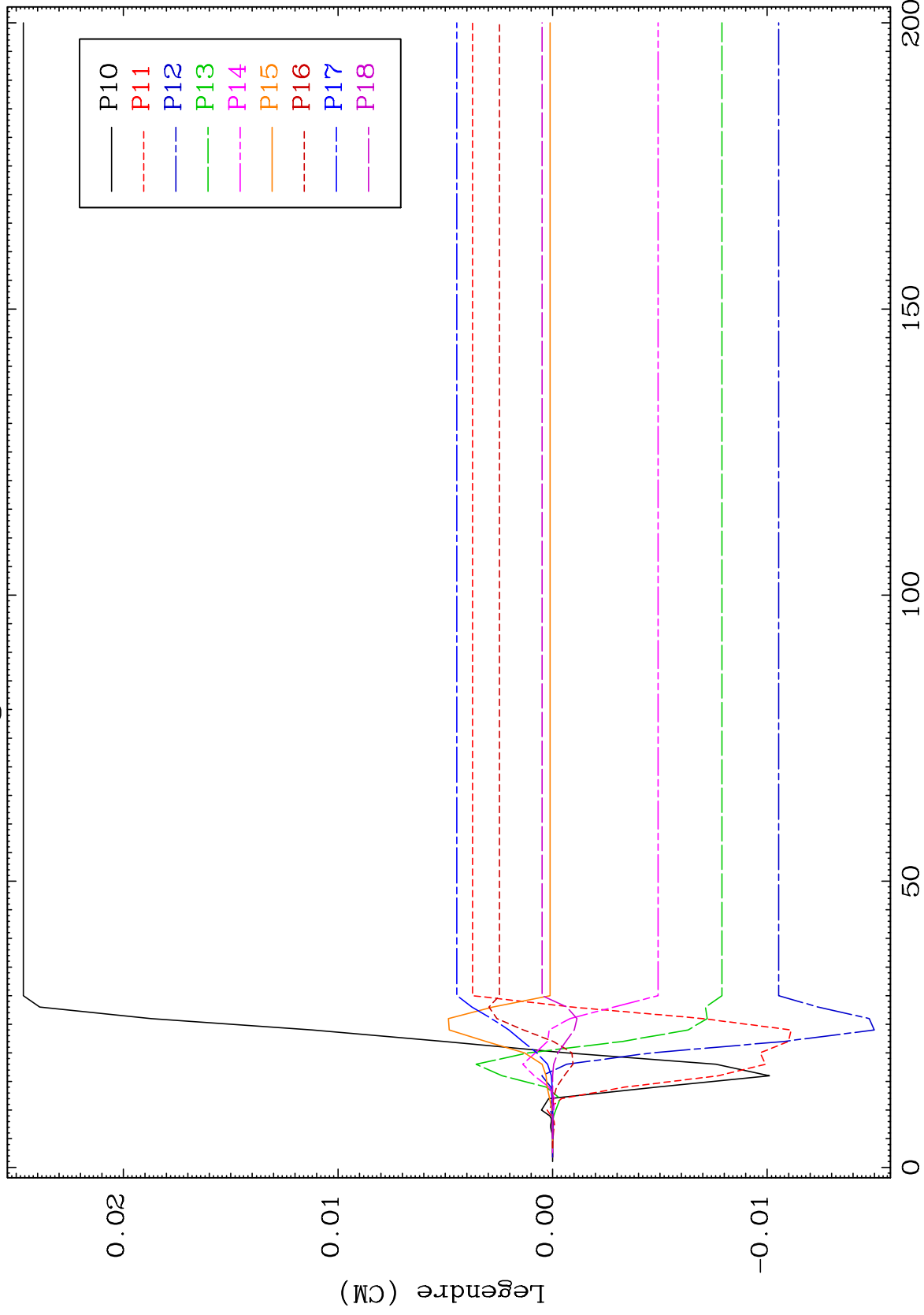
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



72

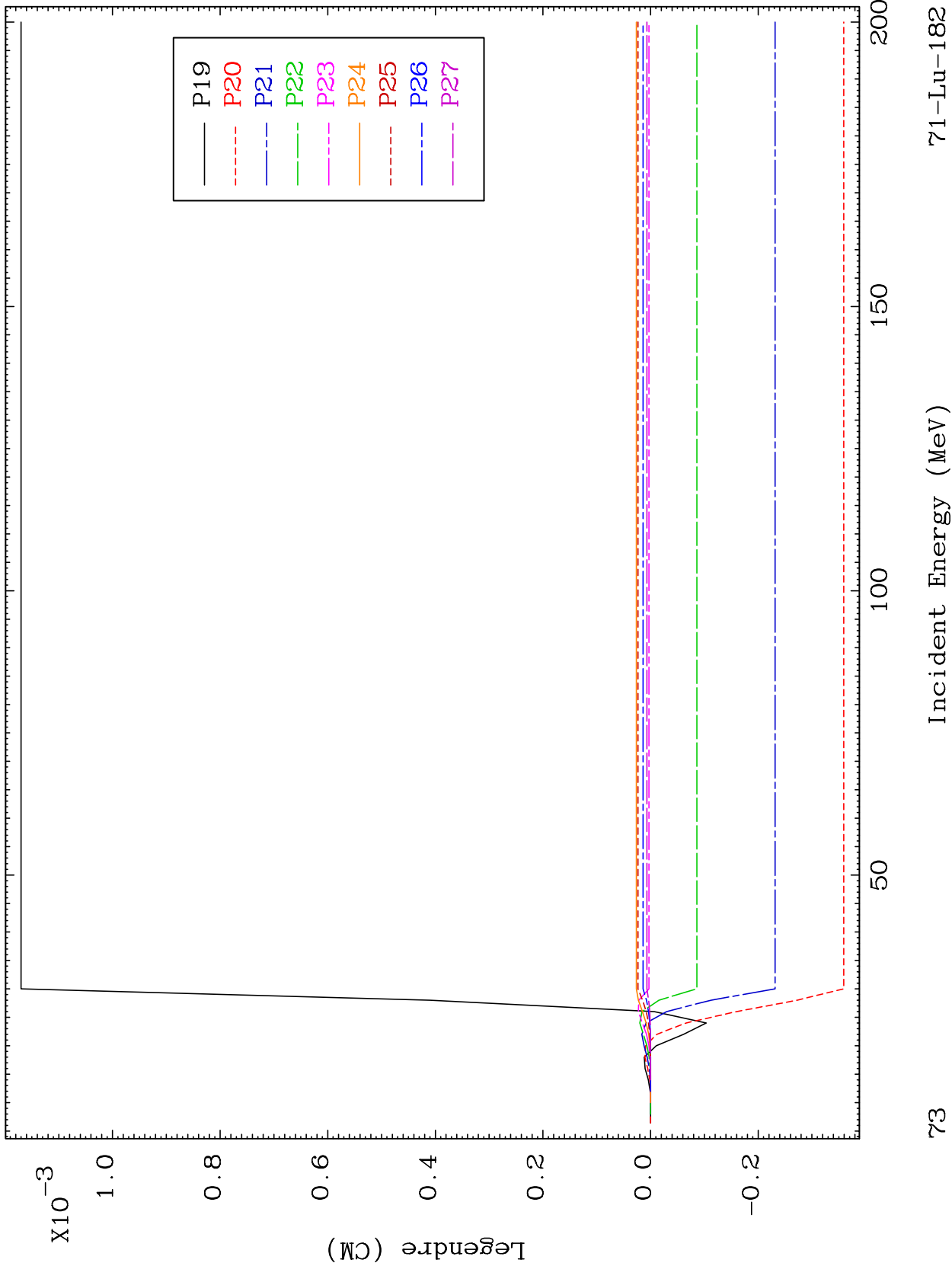
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



73

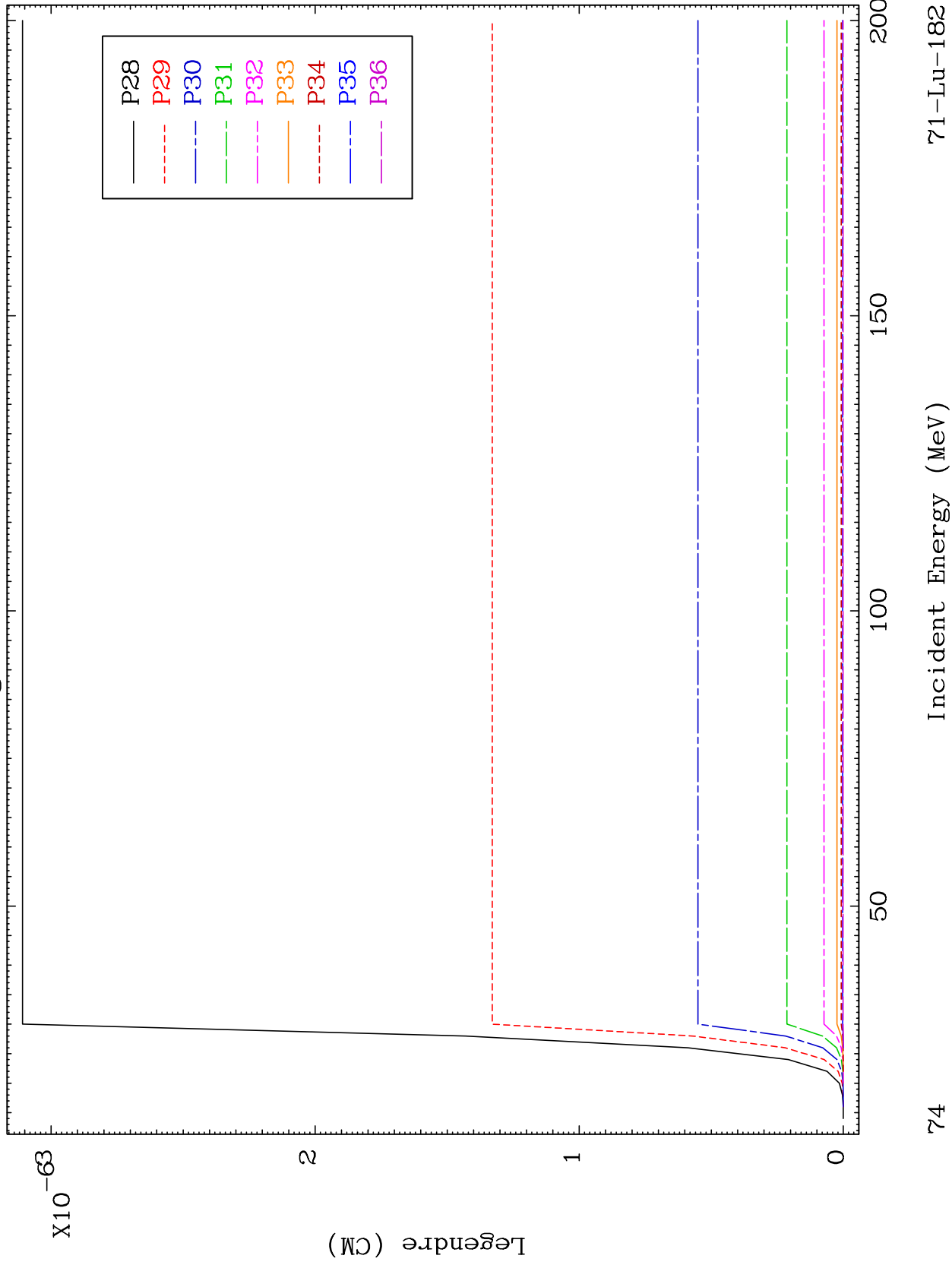
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

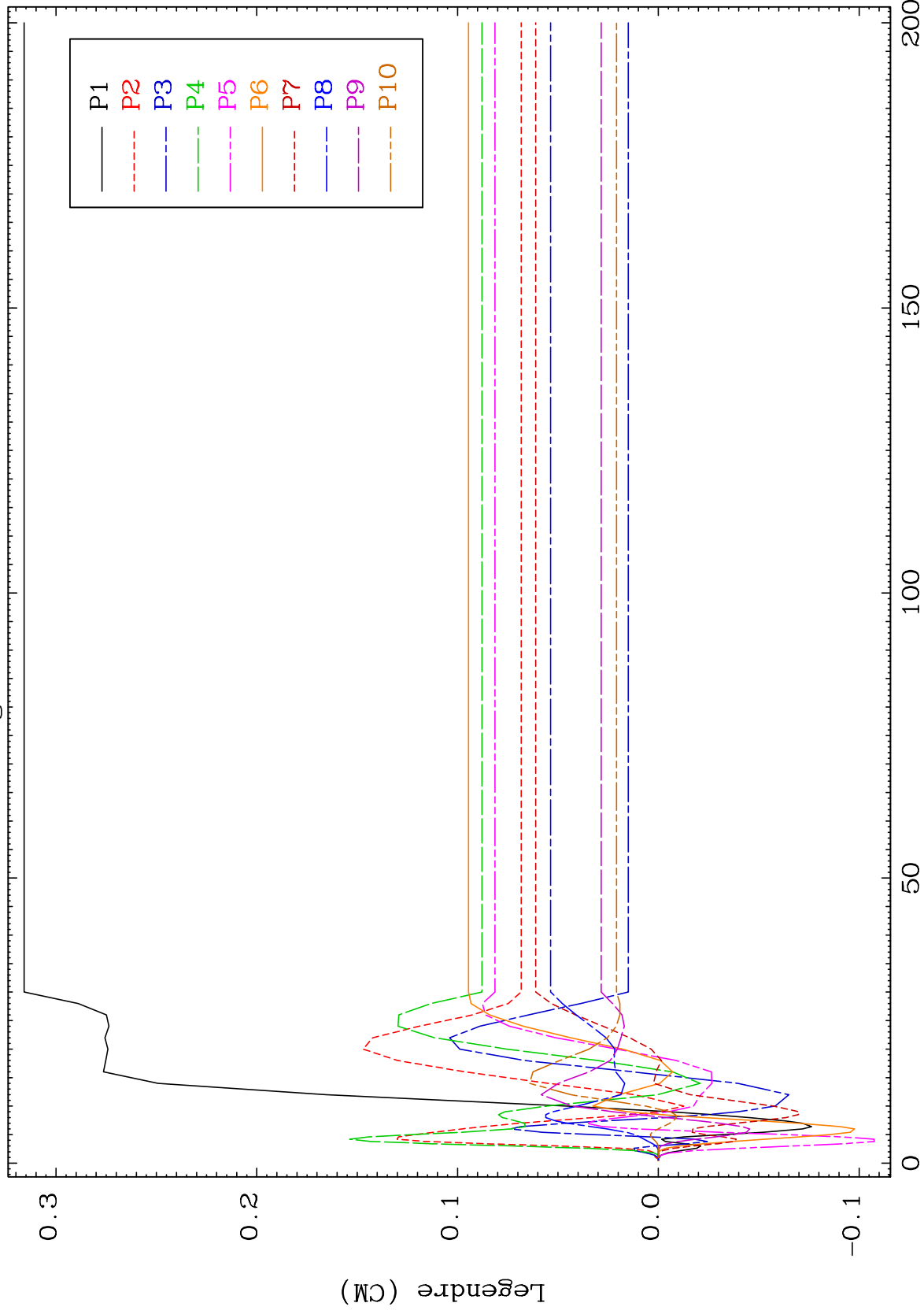
71-Lu-182



MAT 7146

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

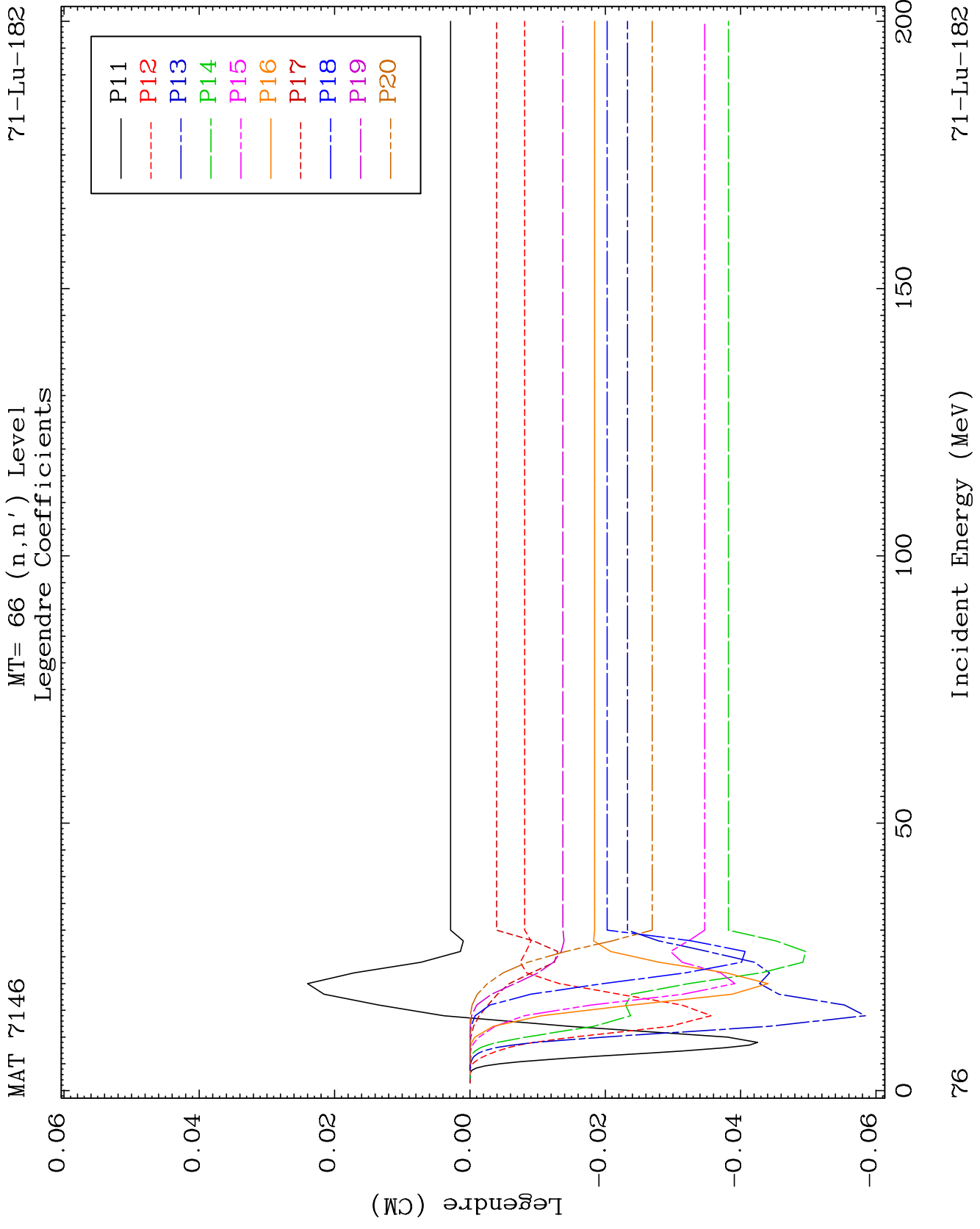
71-Lu-182

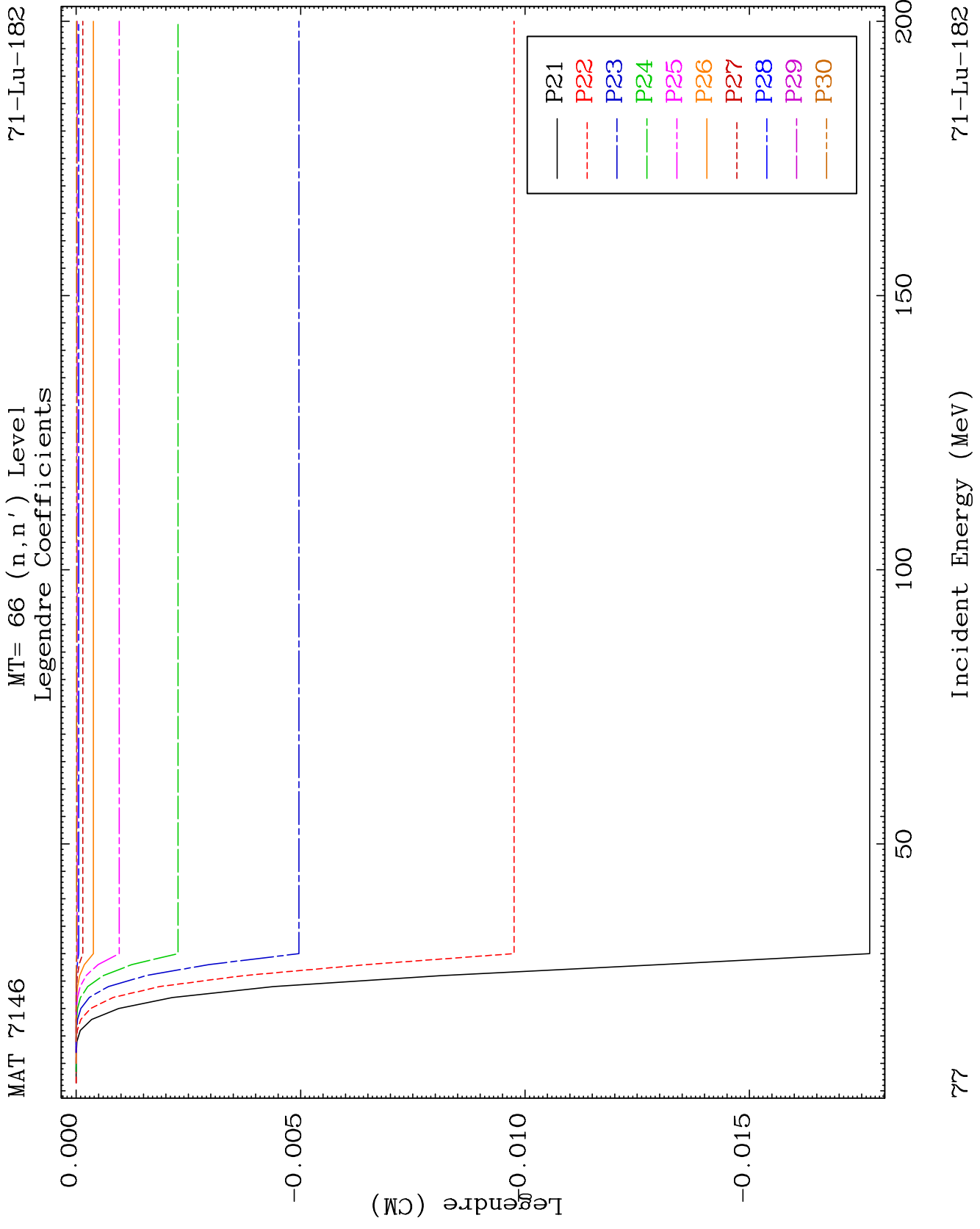


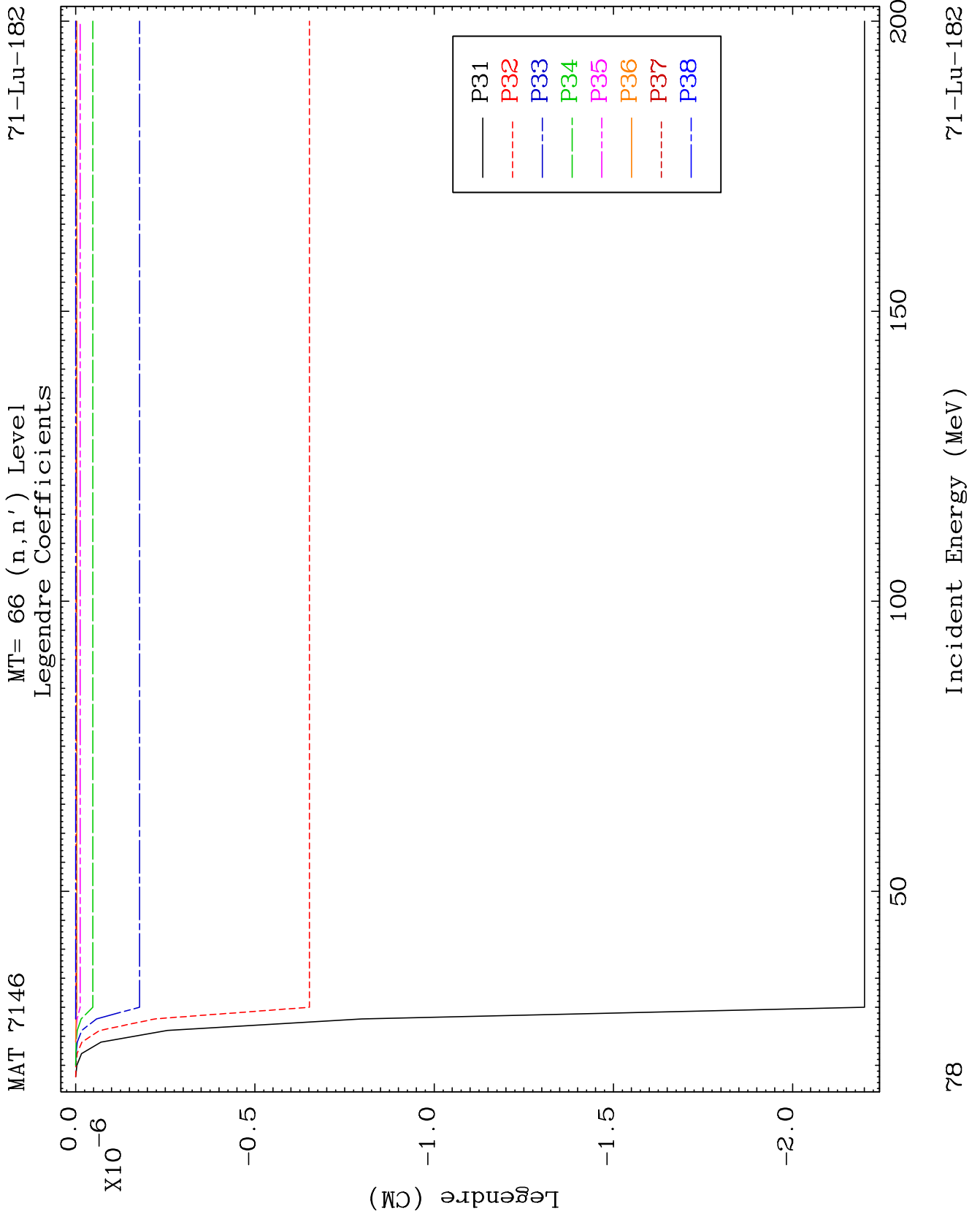
75

Incident Energy (MeV)

71-Lu-182



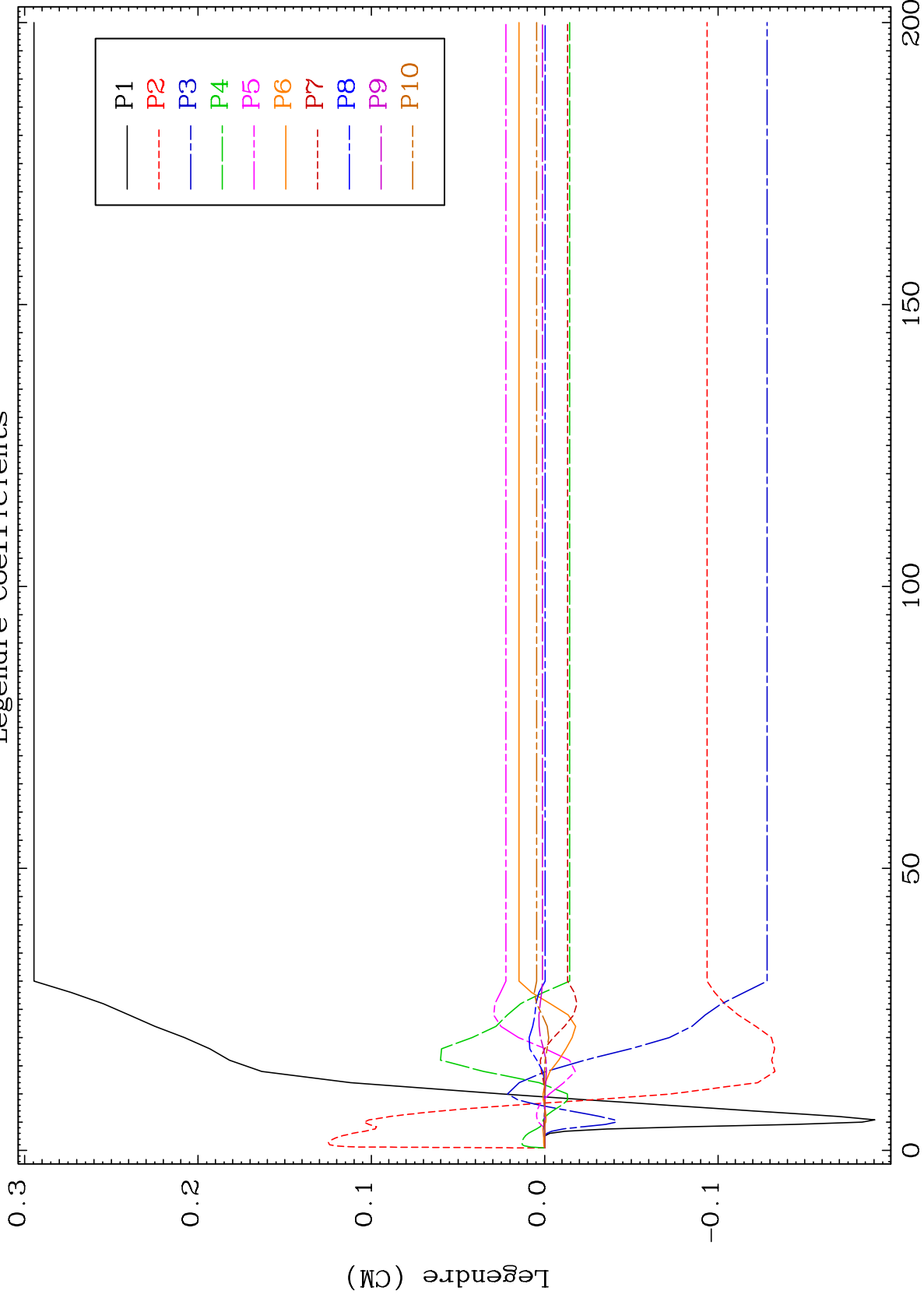




MAT 7146

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

71-Lu-182



79

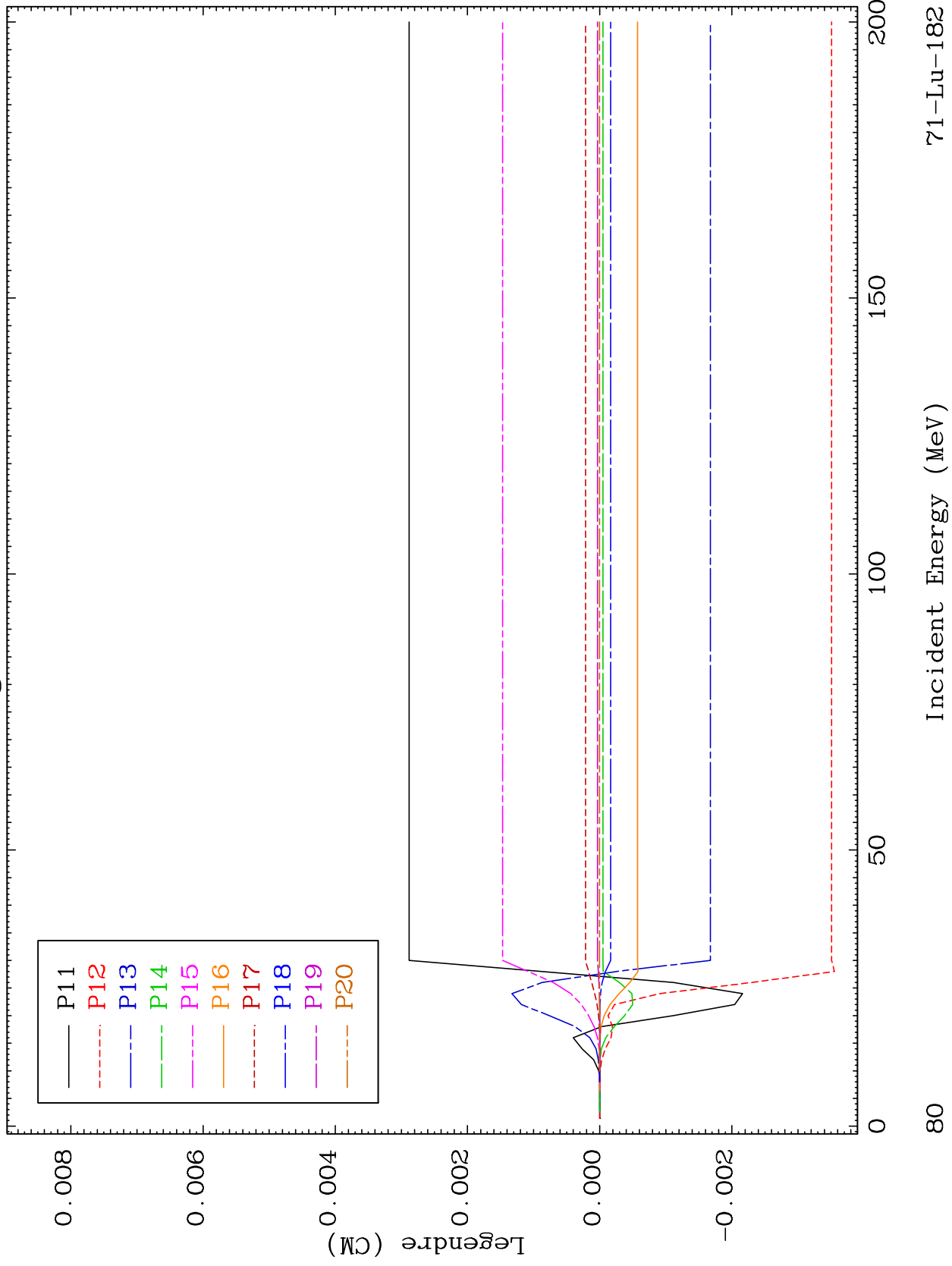
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

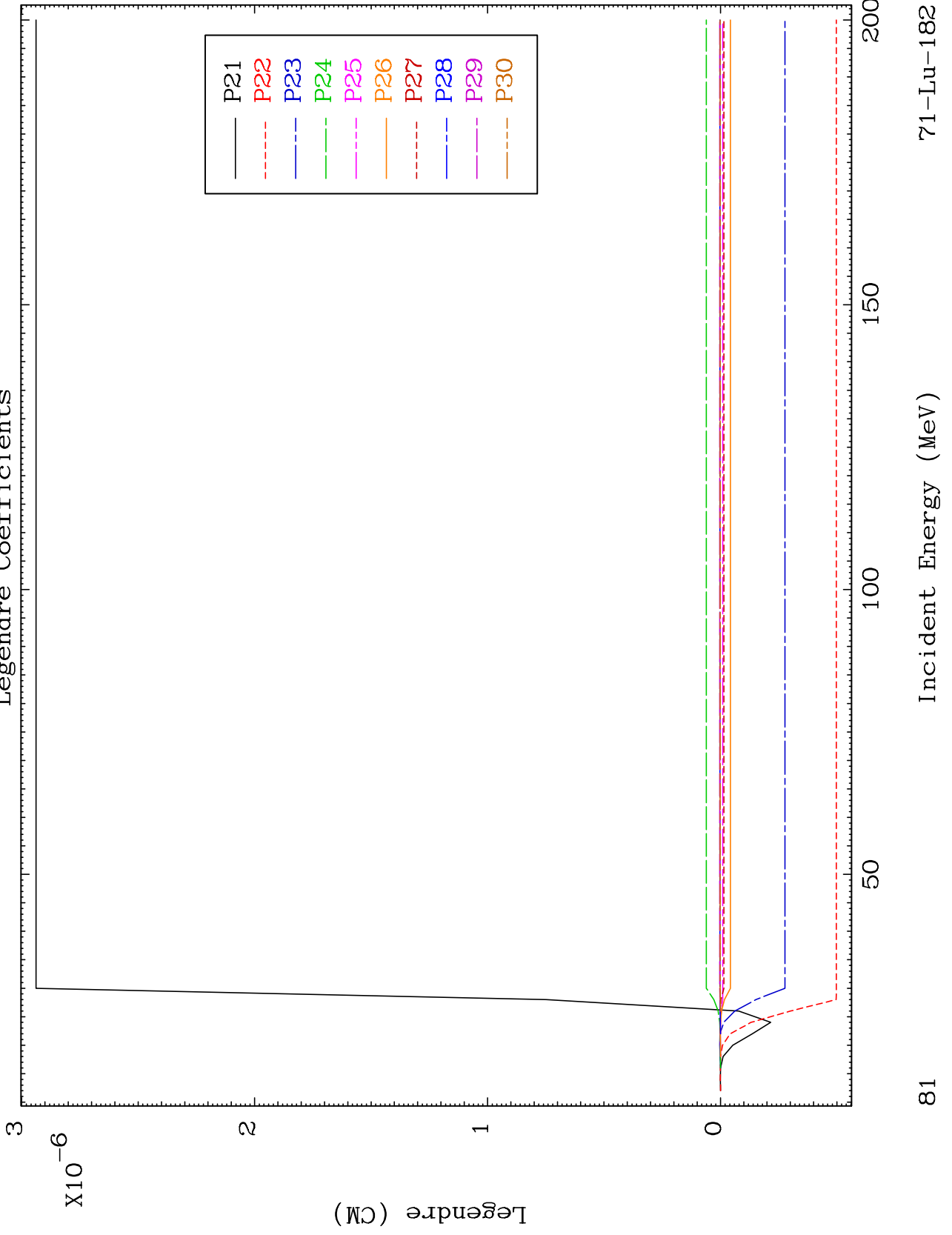
71-Lu-182



MAT 7146

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

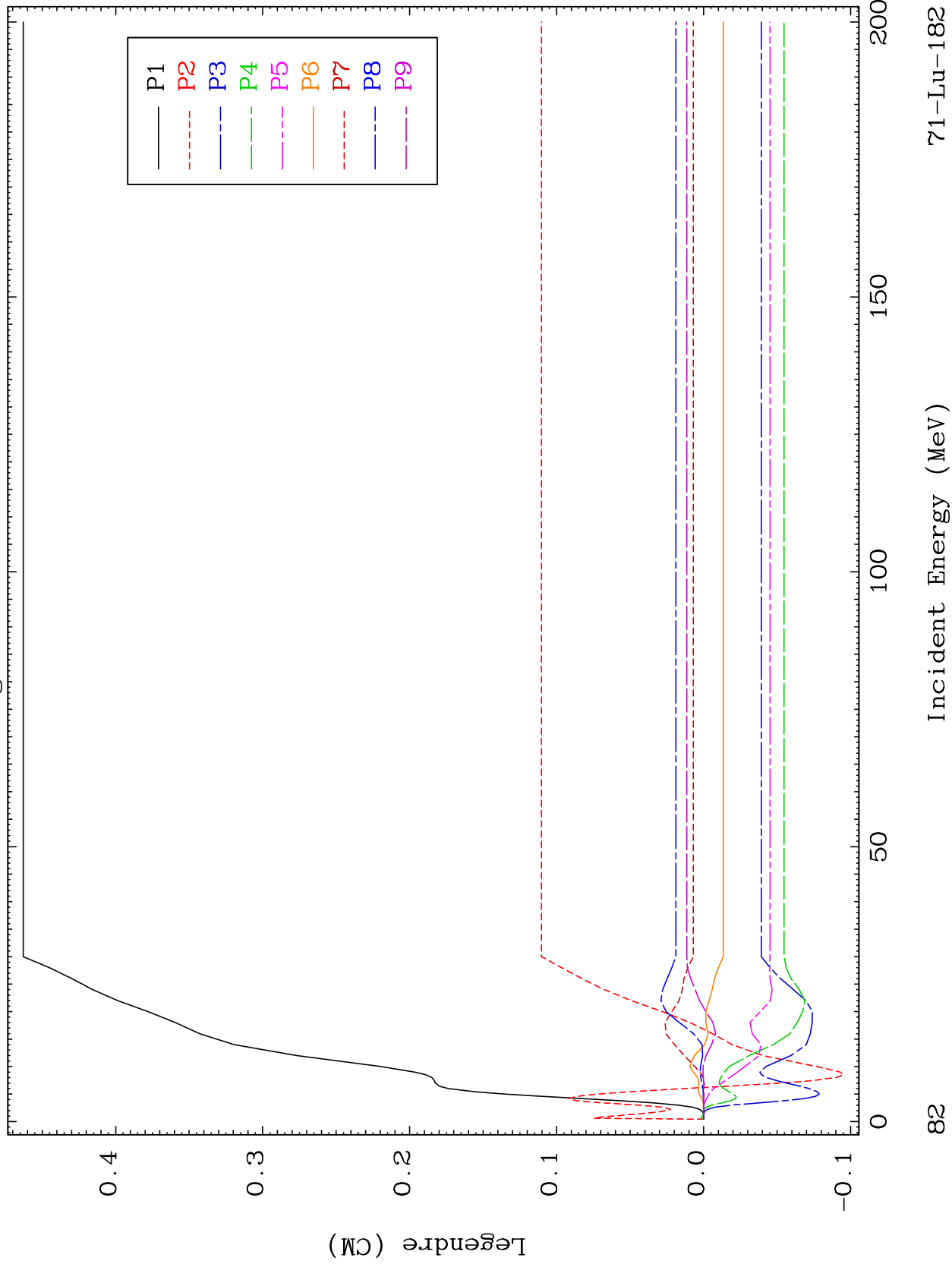
71-Lu-182



MAT 7146

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

71-Lu-182



71-Lu-182

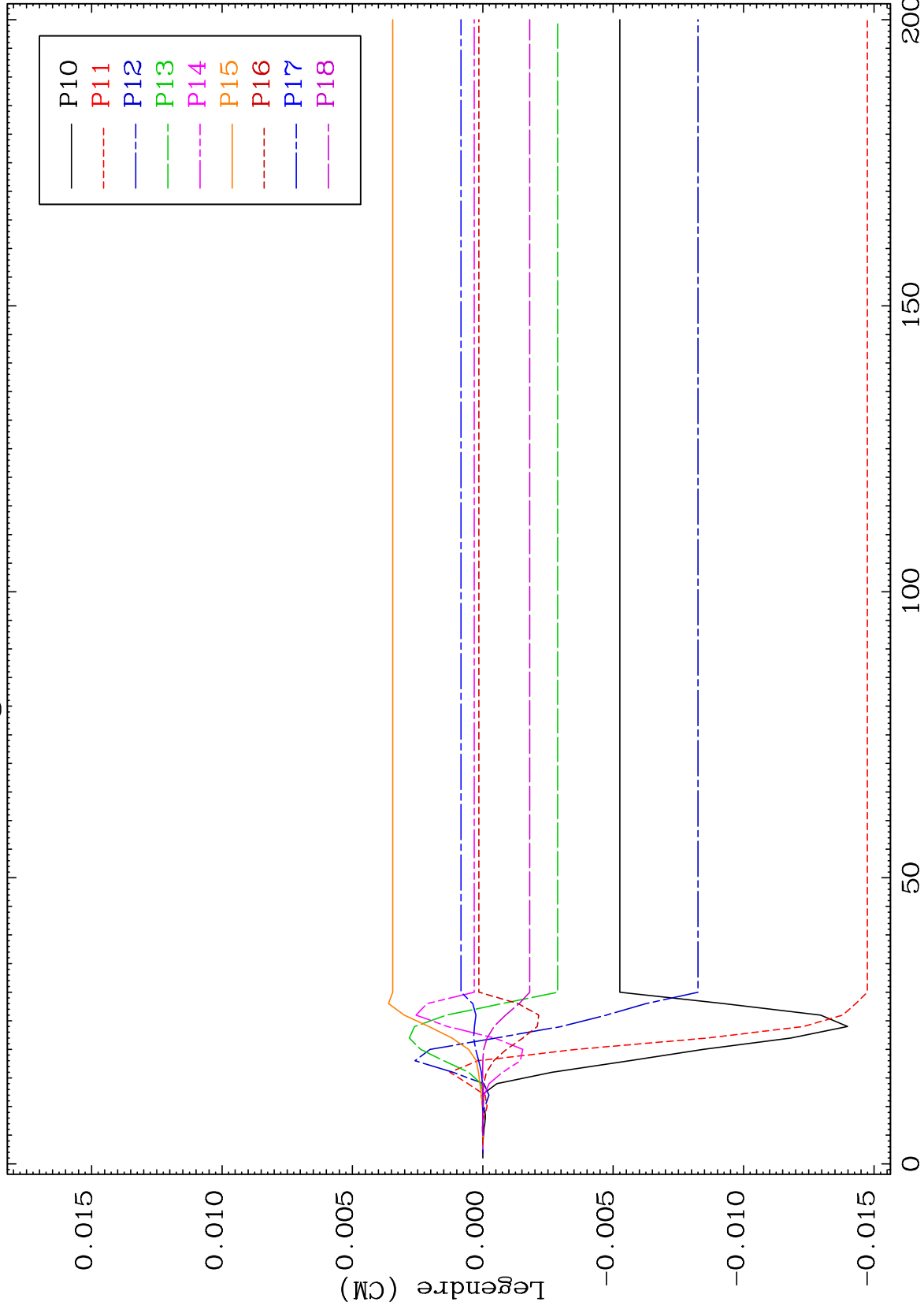
Incident Energy (MeV)

82

MAT 7146

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

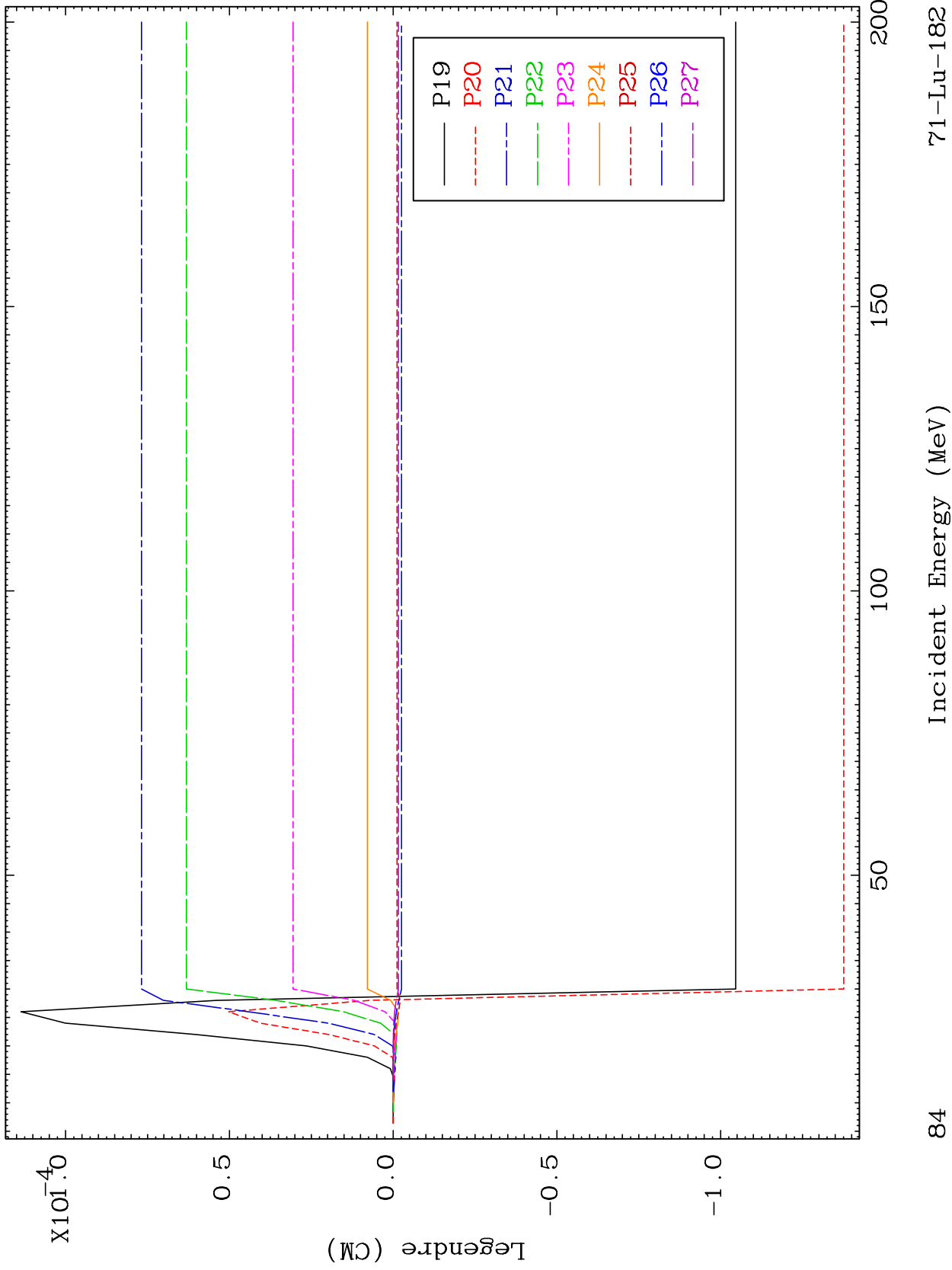
71-Lu-182



83

Incident Energy (MeV)

71-Lu-182

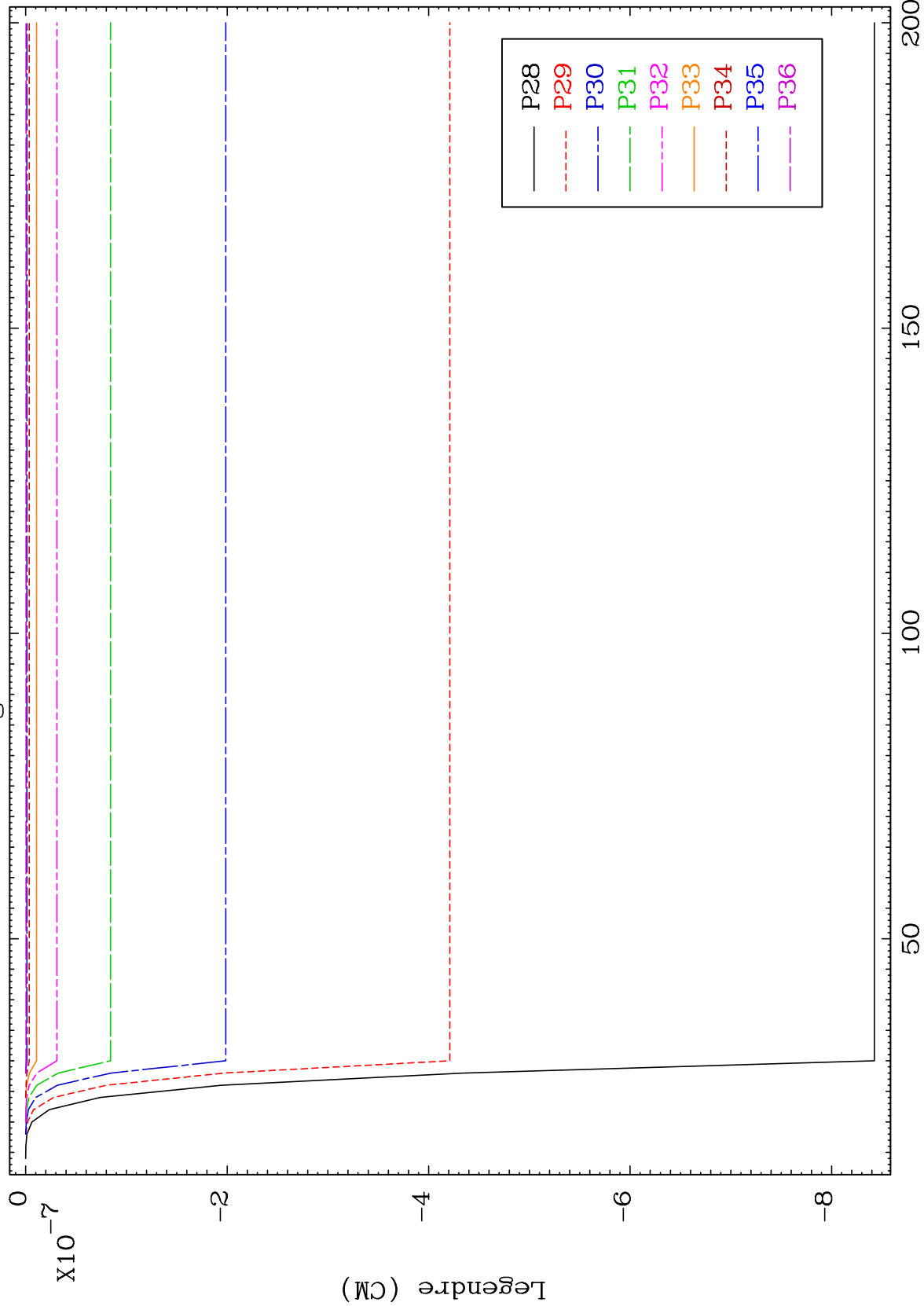


MAT 7146

MT= 68 (n,n') Level

71-Lu-182

Legendre Coefficients



71-Lu-182

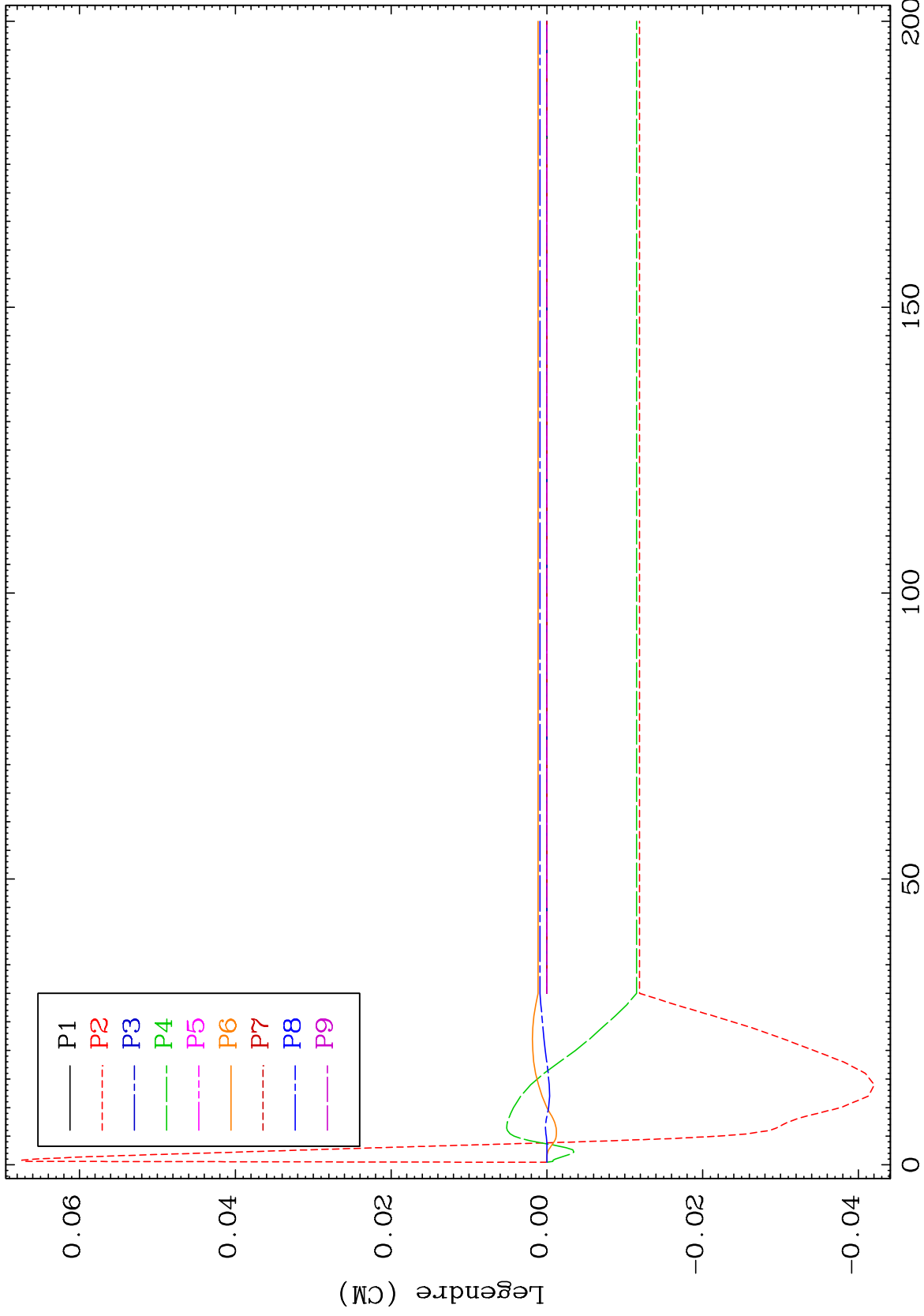
Incident Energy (MeV)

85

MAT 7146

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

71-Lu-182



86

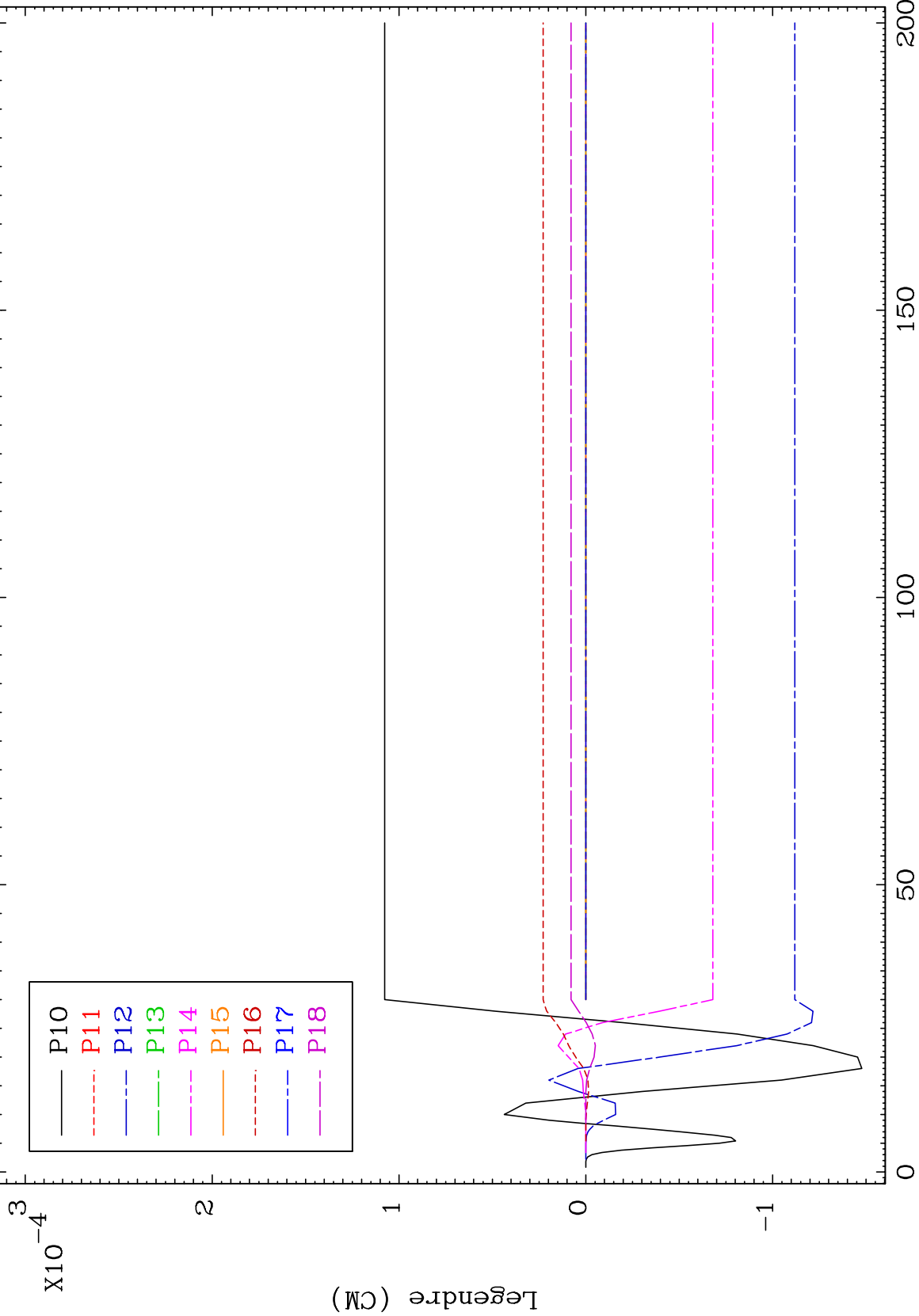
Incident Energy (MeV)

71-Lu-182

MAT 7146

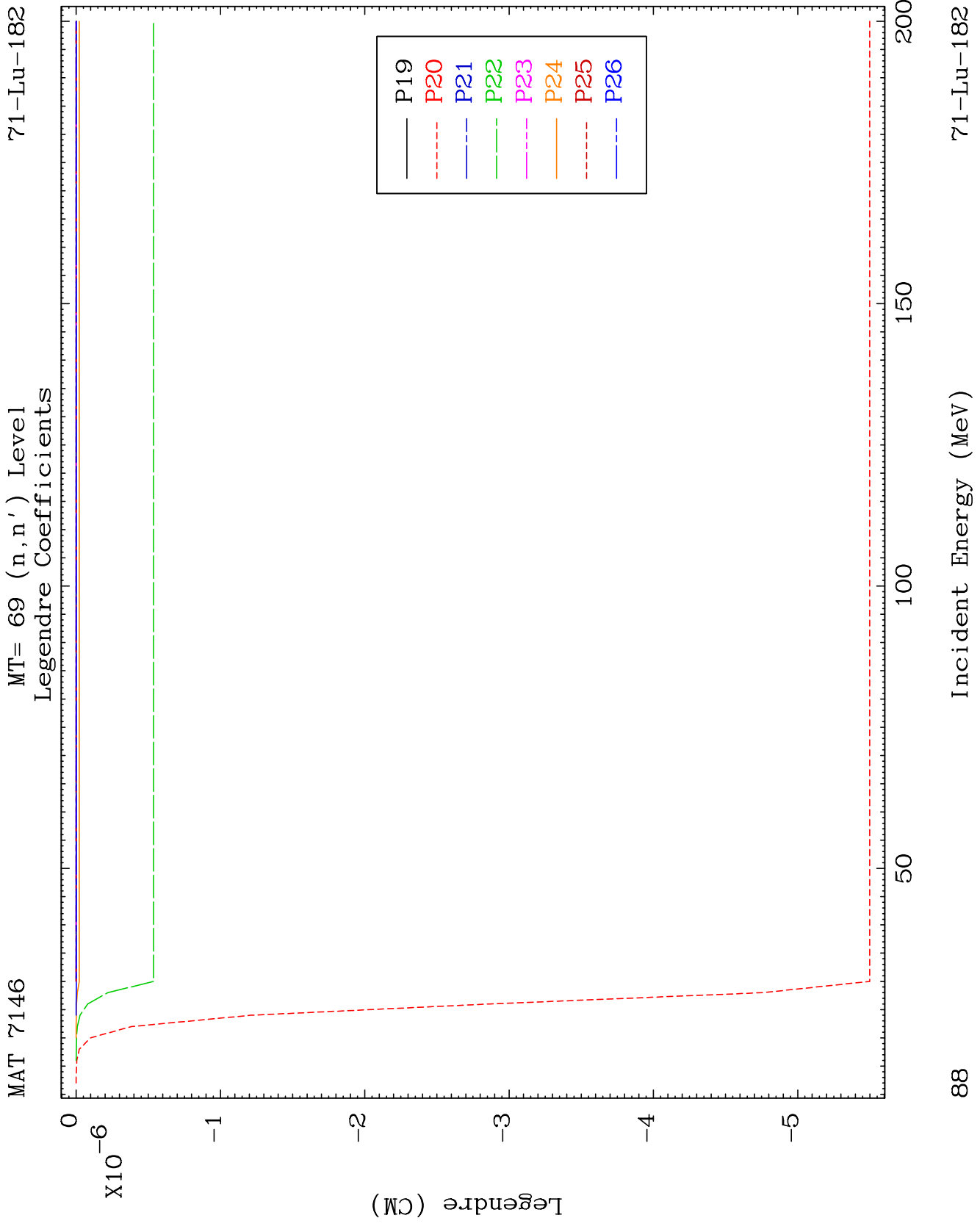
MT= 69 (n,n') Level
Legendre Coefficients

71-Lu-182



87

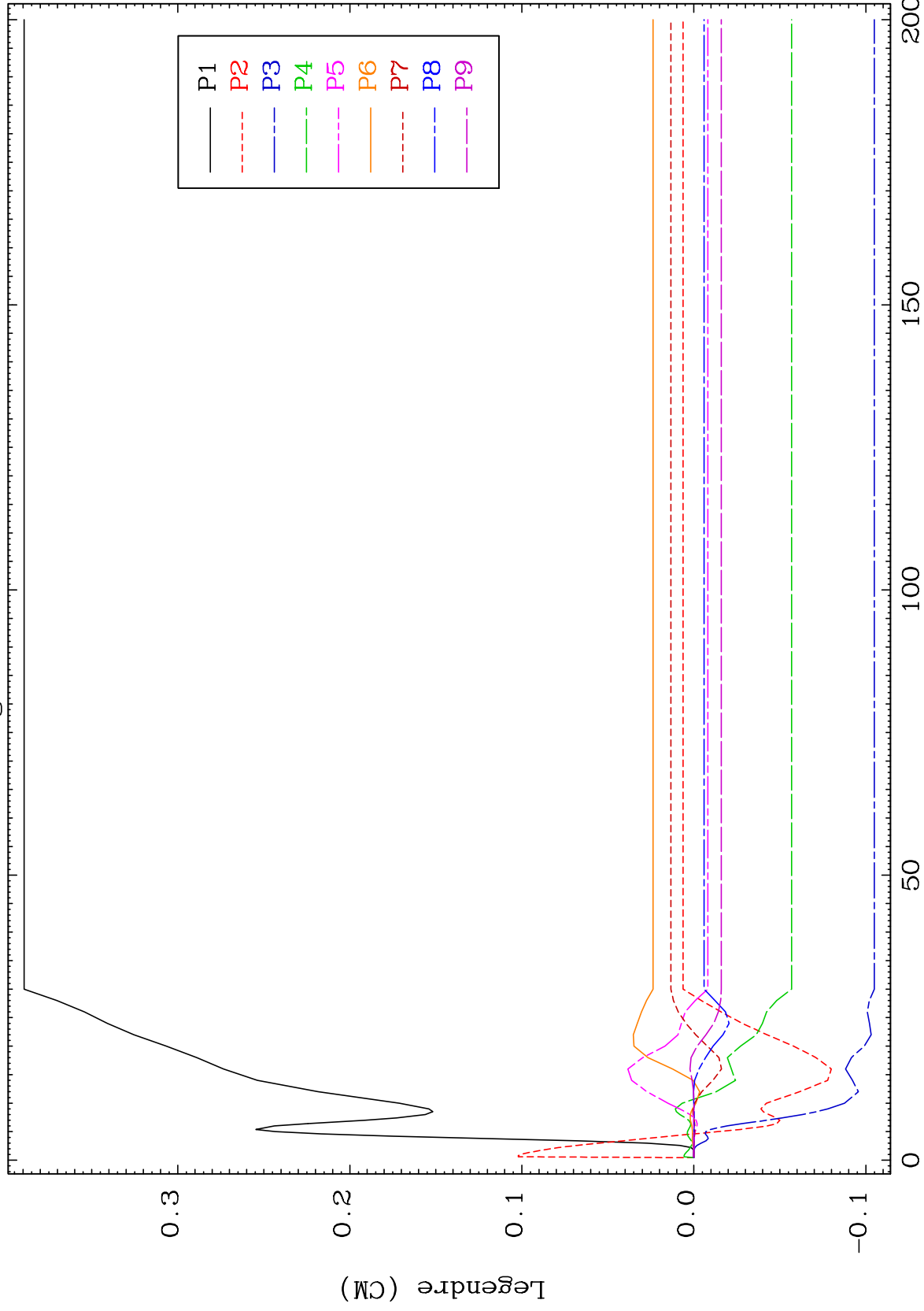
71-Lu-182



MAT 7146

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

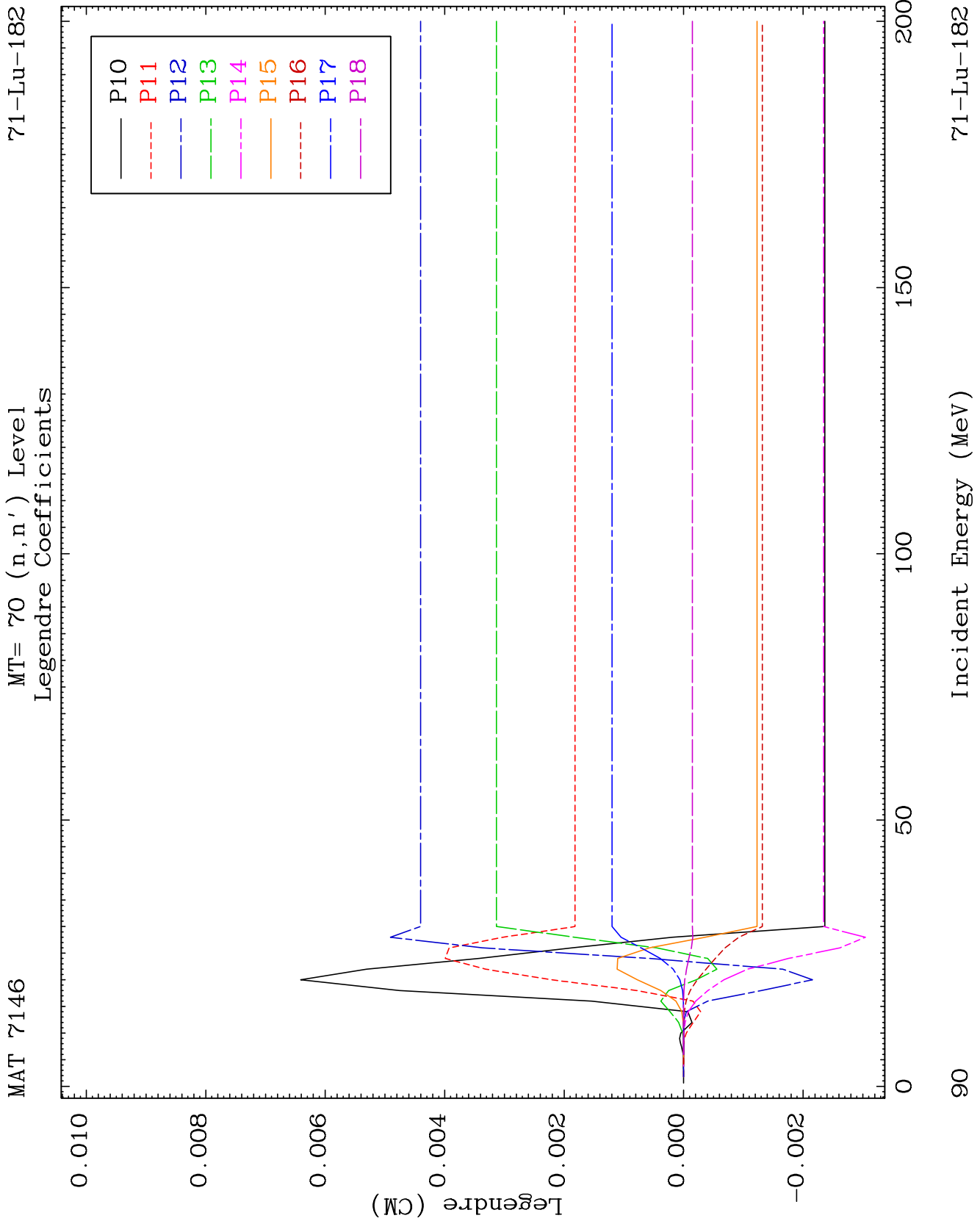
71-Lu-182



89

Incident Energy (MeV)

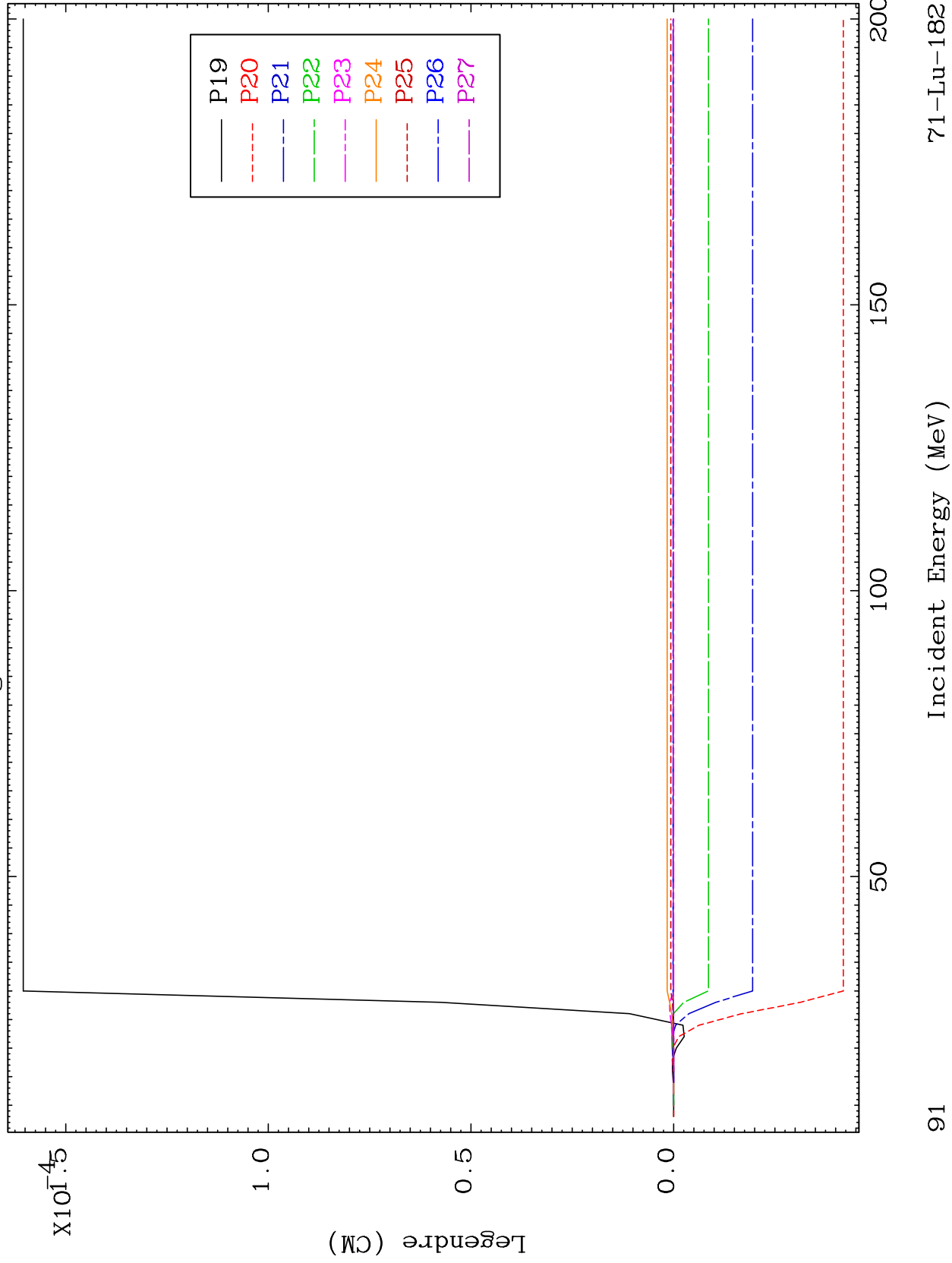
71-Lu-182



MAT 7146

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

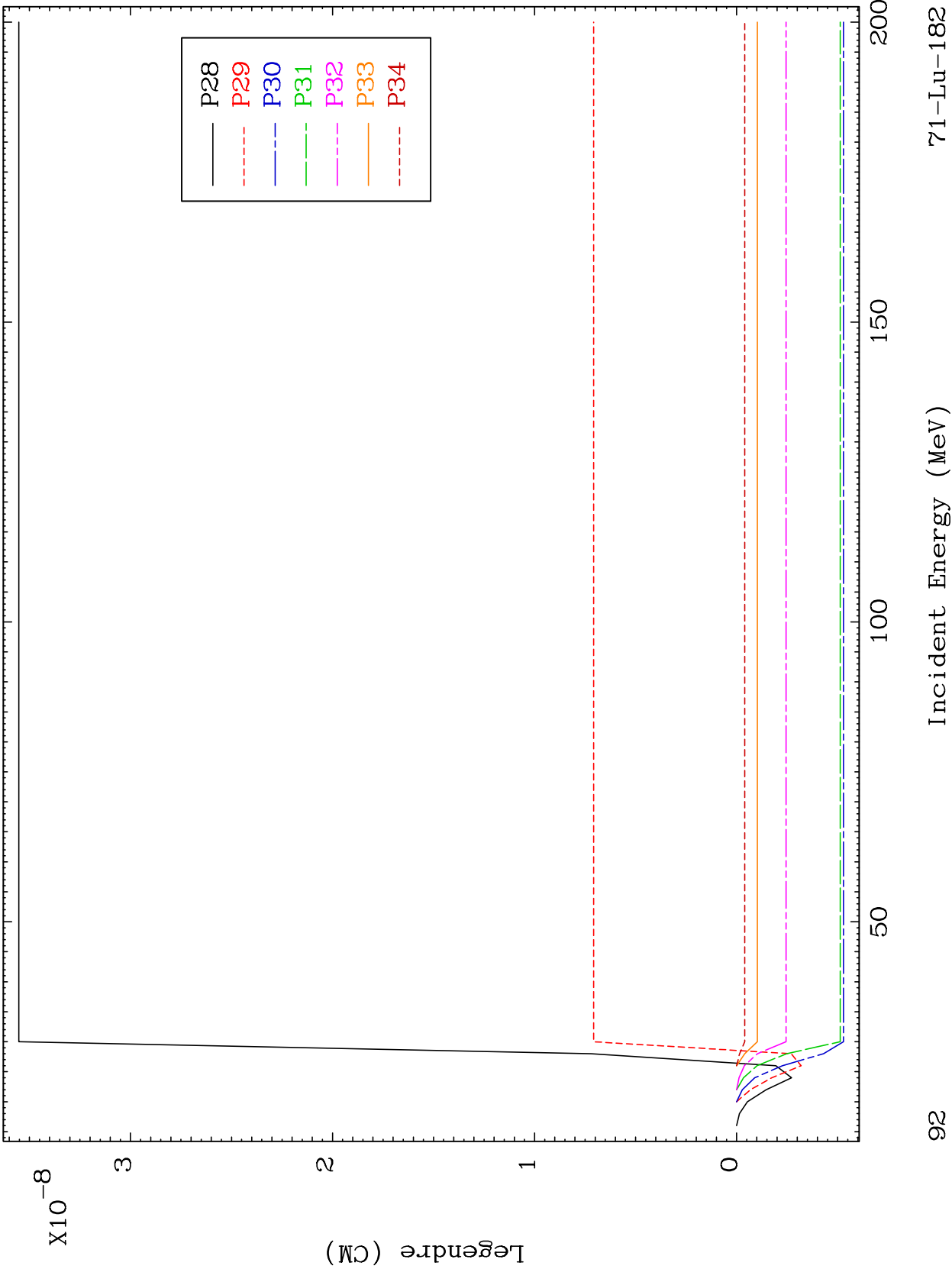
71-Lu-182



MAT 7146

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

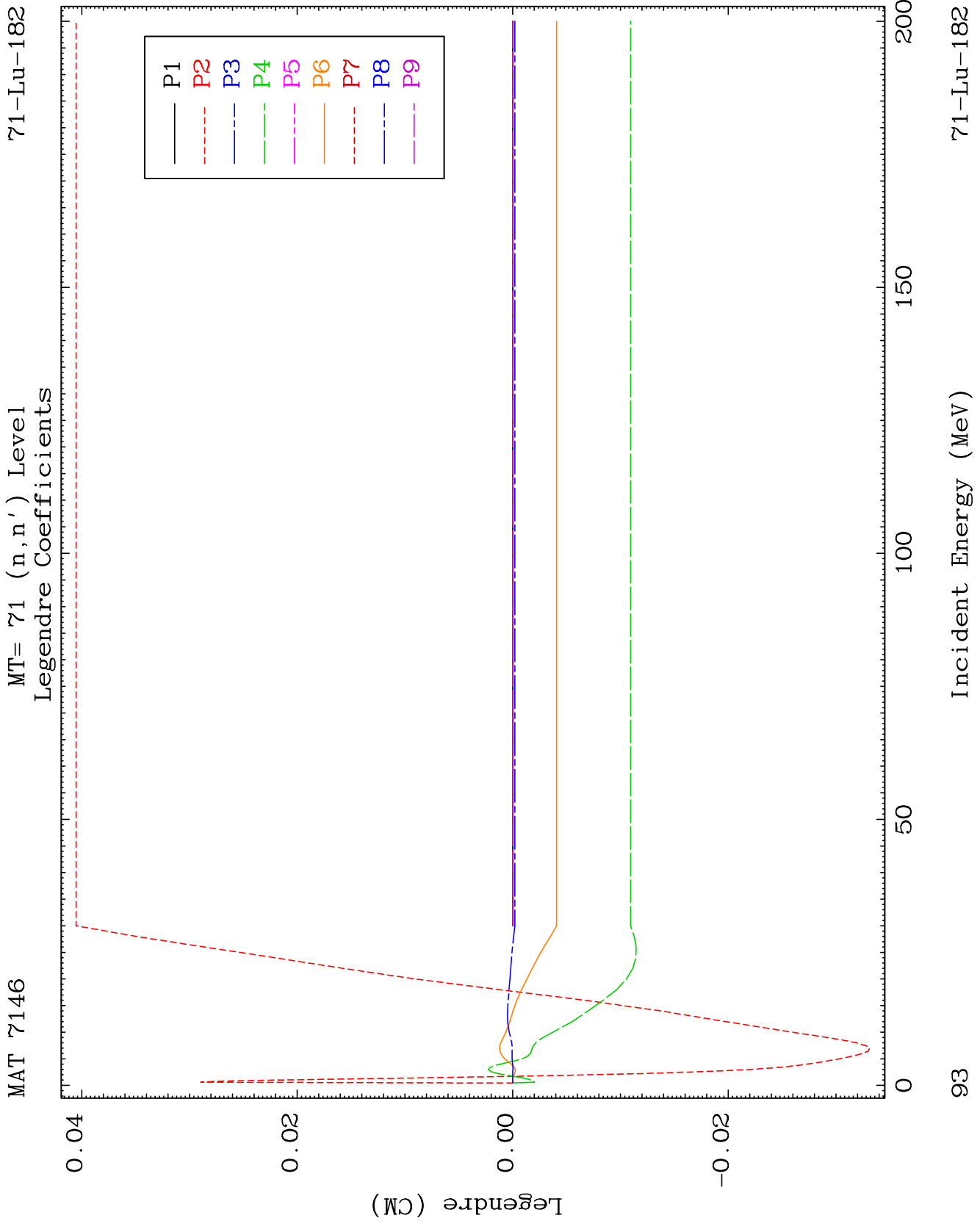
71-Lu-182



92

Incident Energy (MeV)

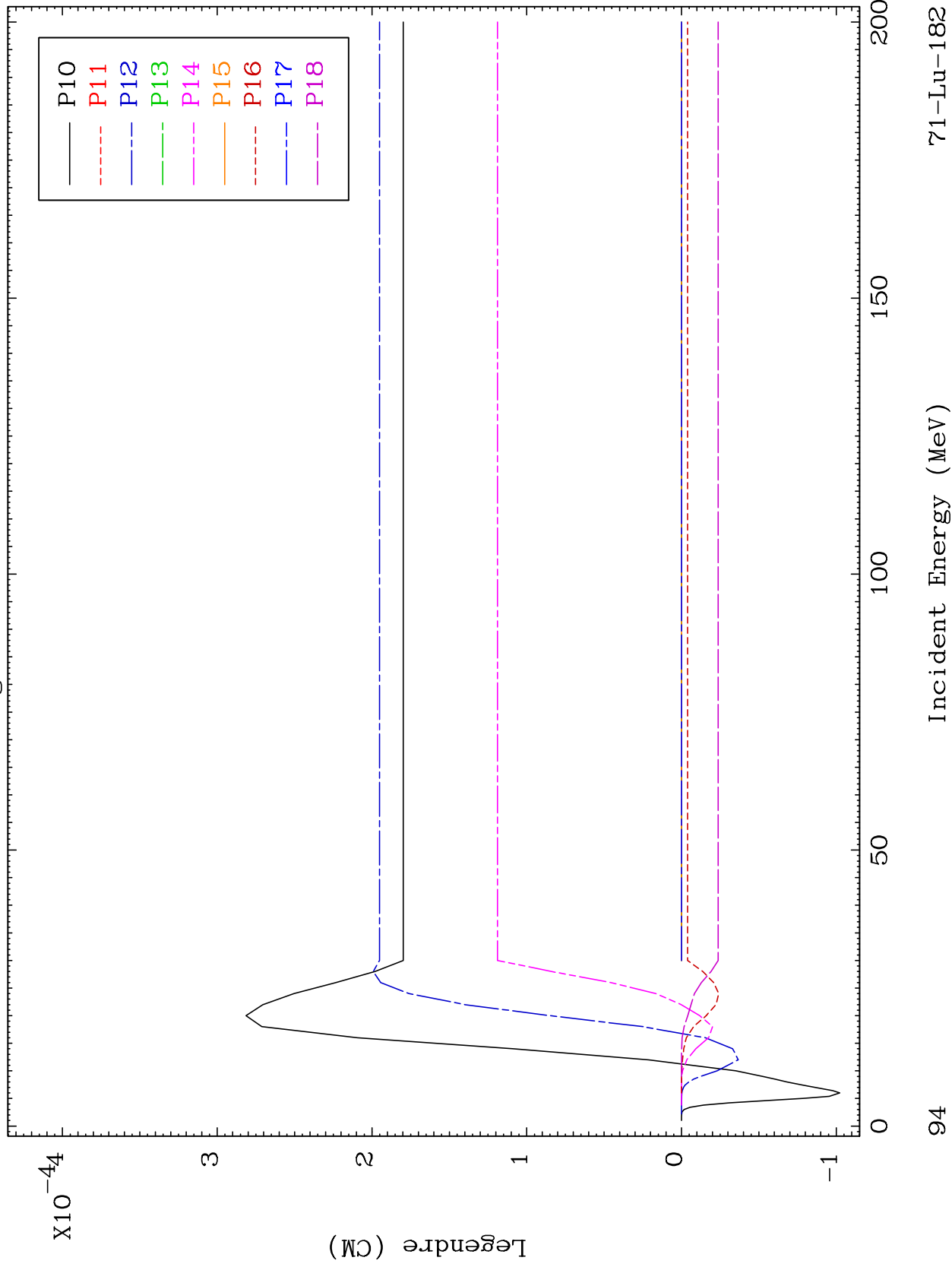
71-Lu-182

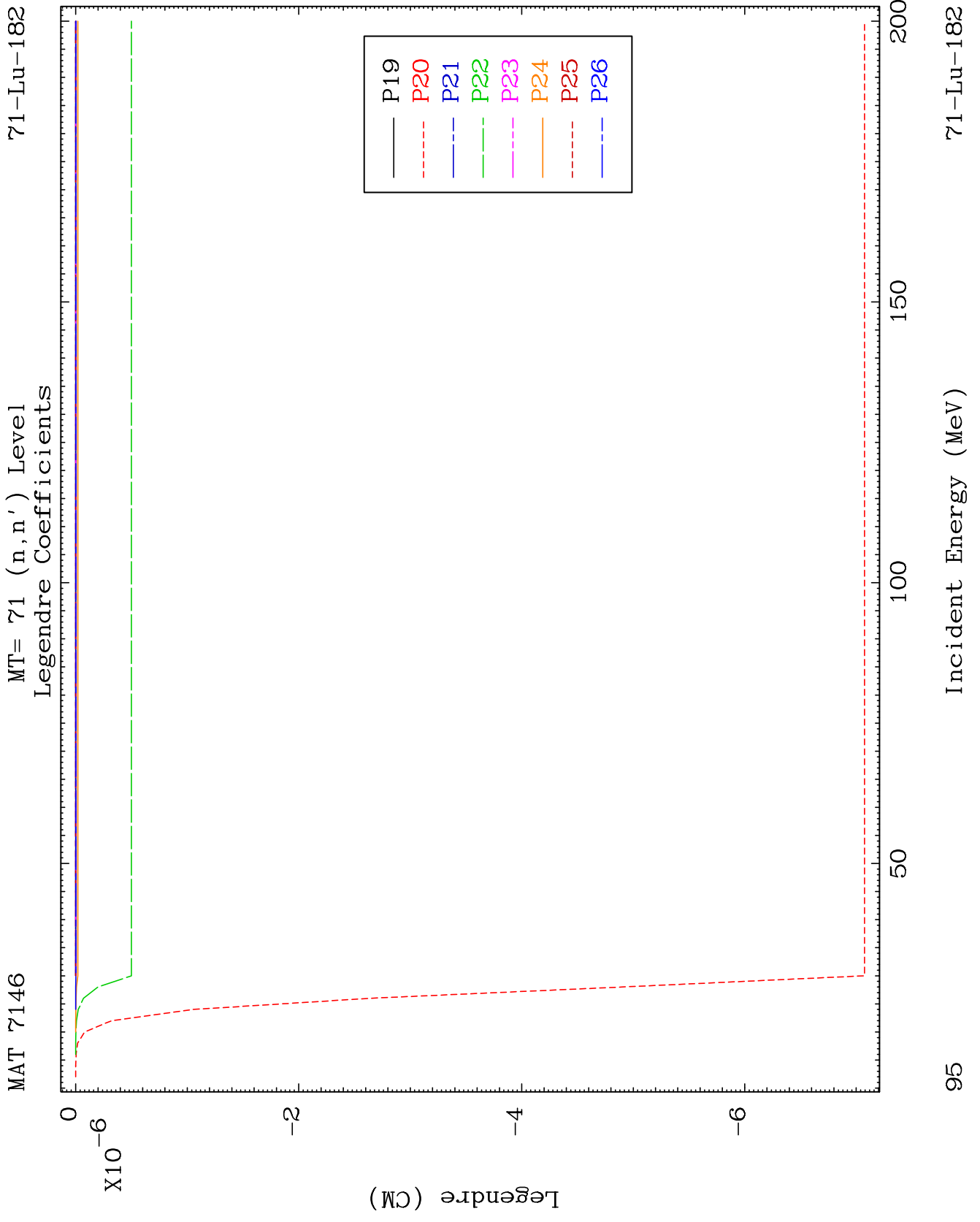


MAT 7146

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

71-Lu-182

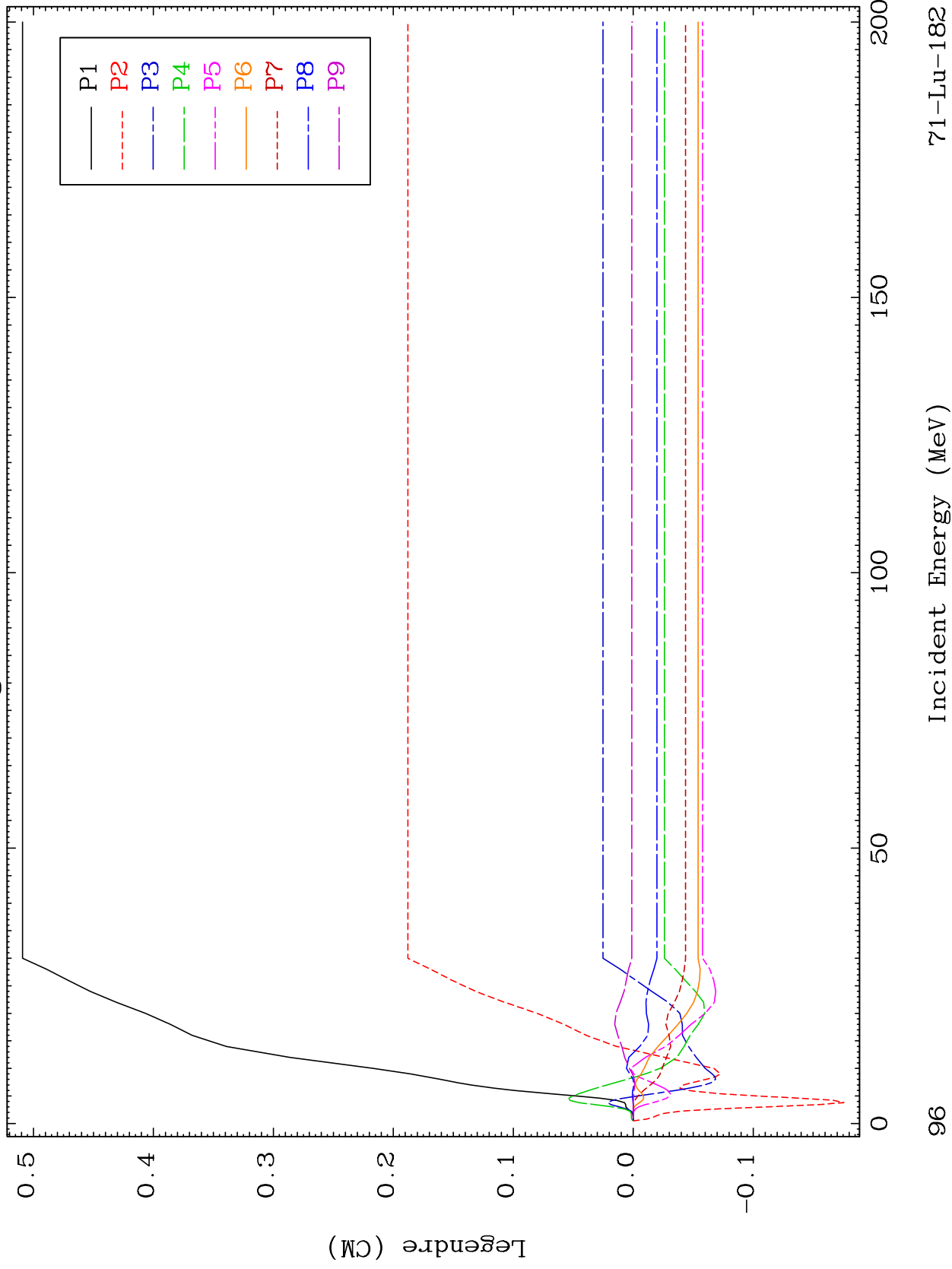




MAT 7146

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

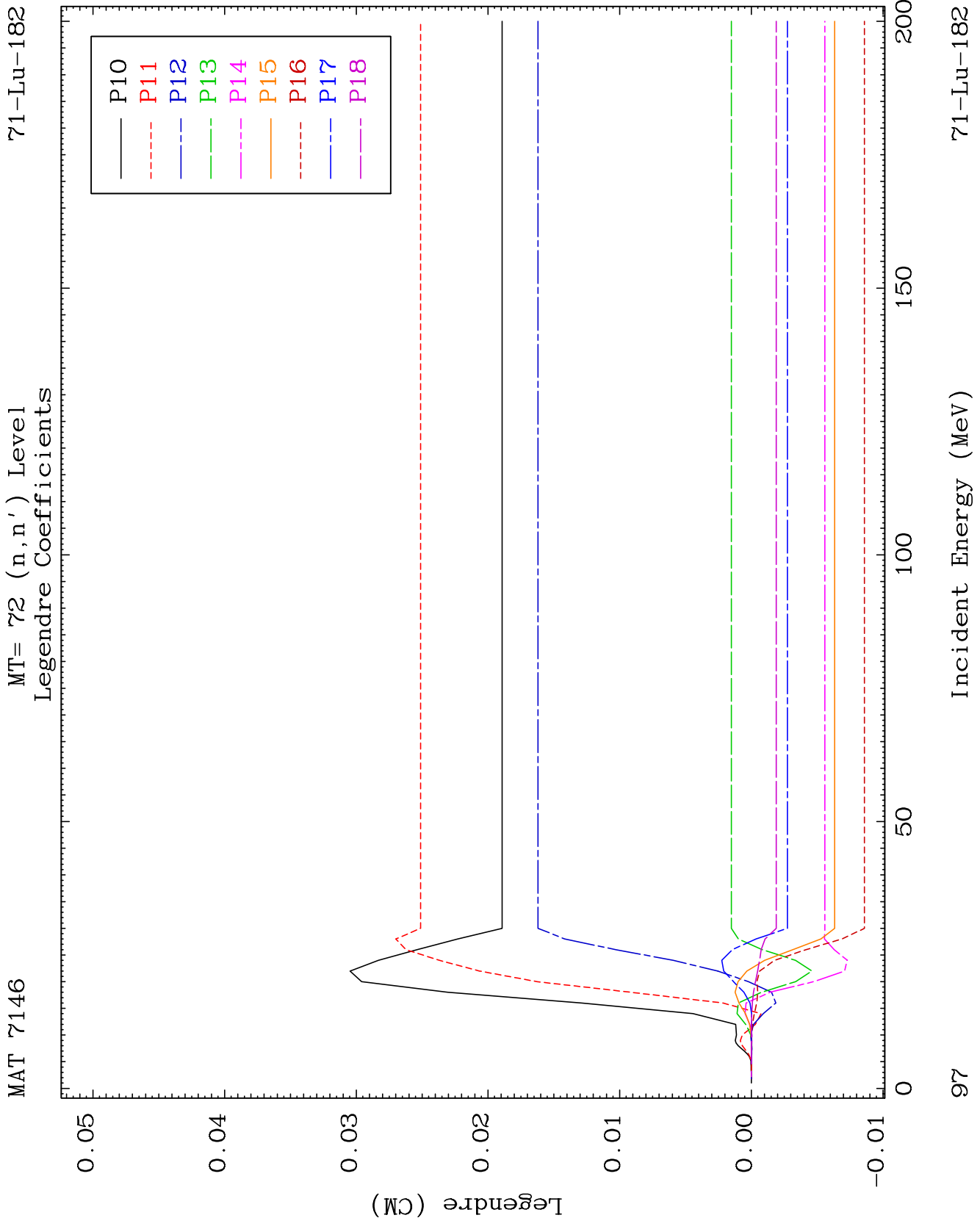
71-Lu-182

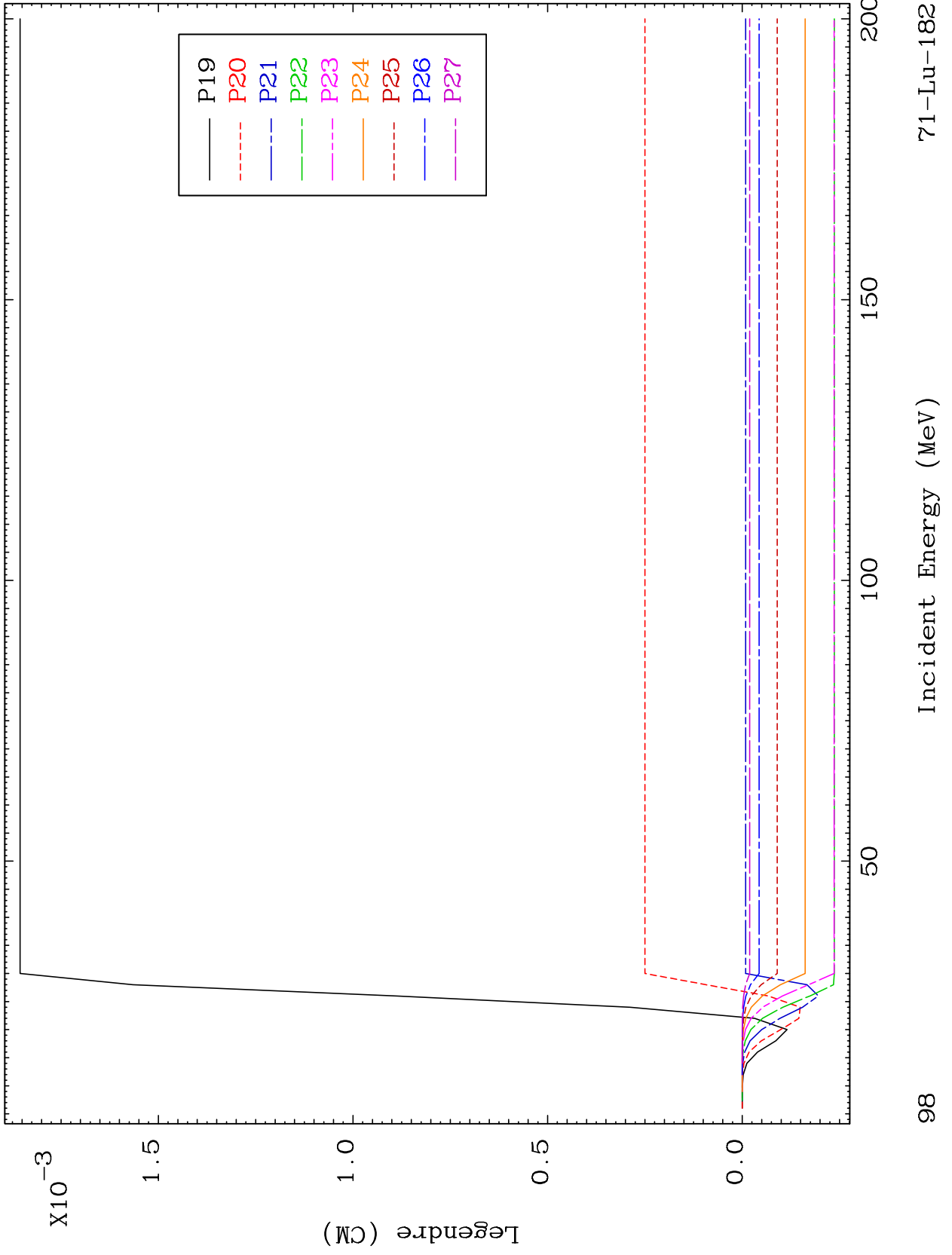


71-Lu-182

Incident Energy (MeV)

96



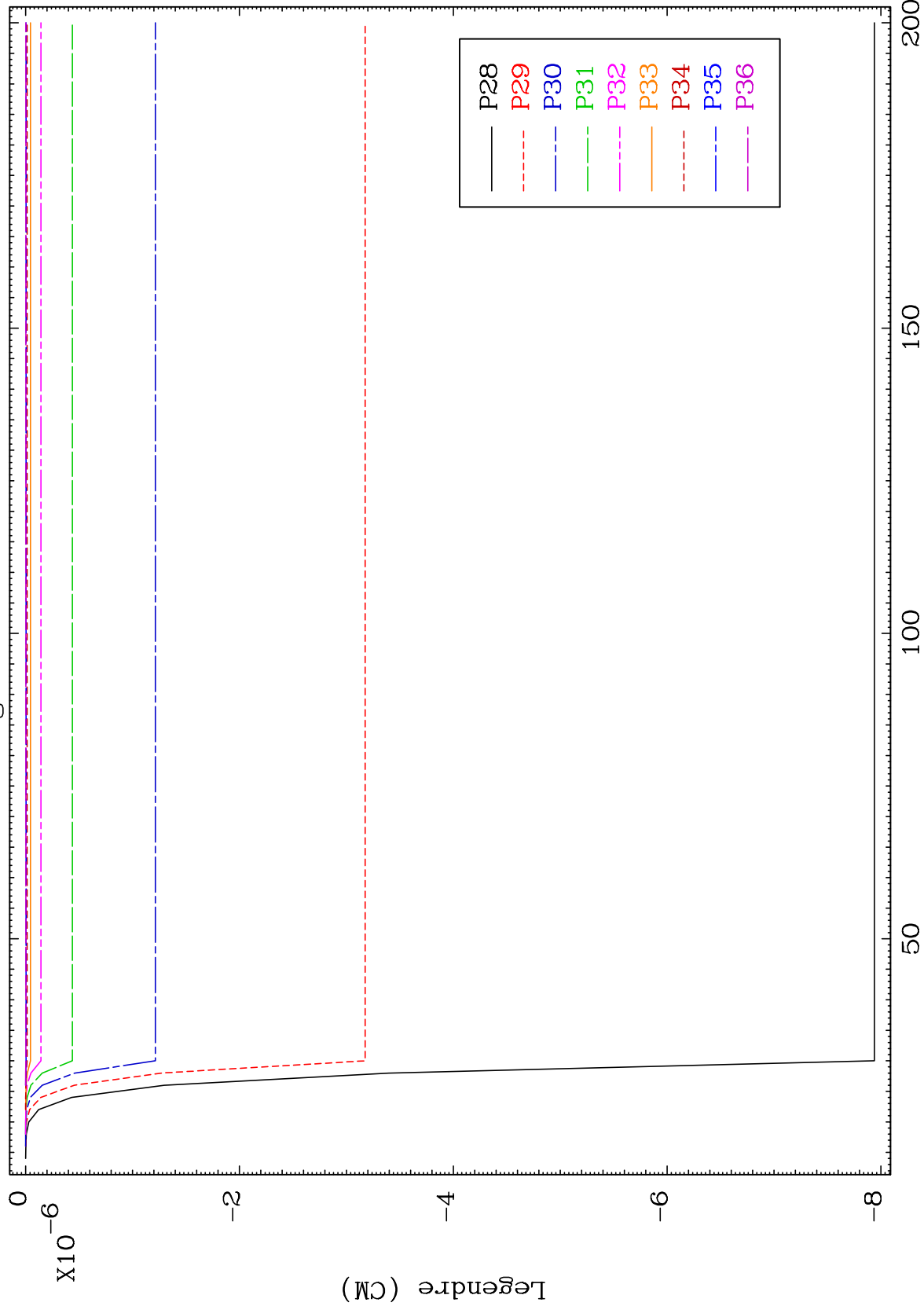


MAT 7146

MT= 72 (n,n') Level

71-Lu-182

Legendre Coefficients



71-Lu-182

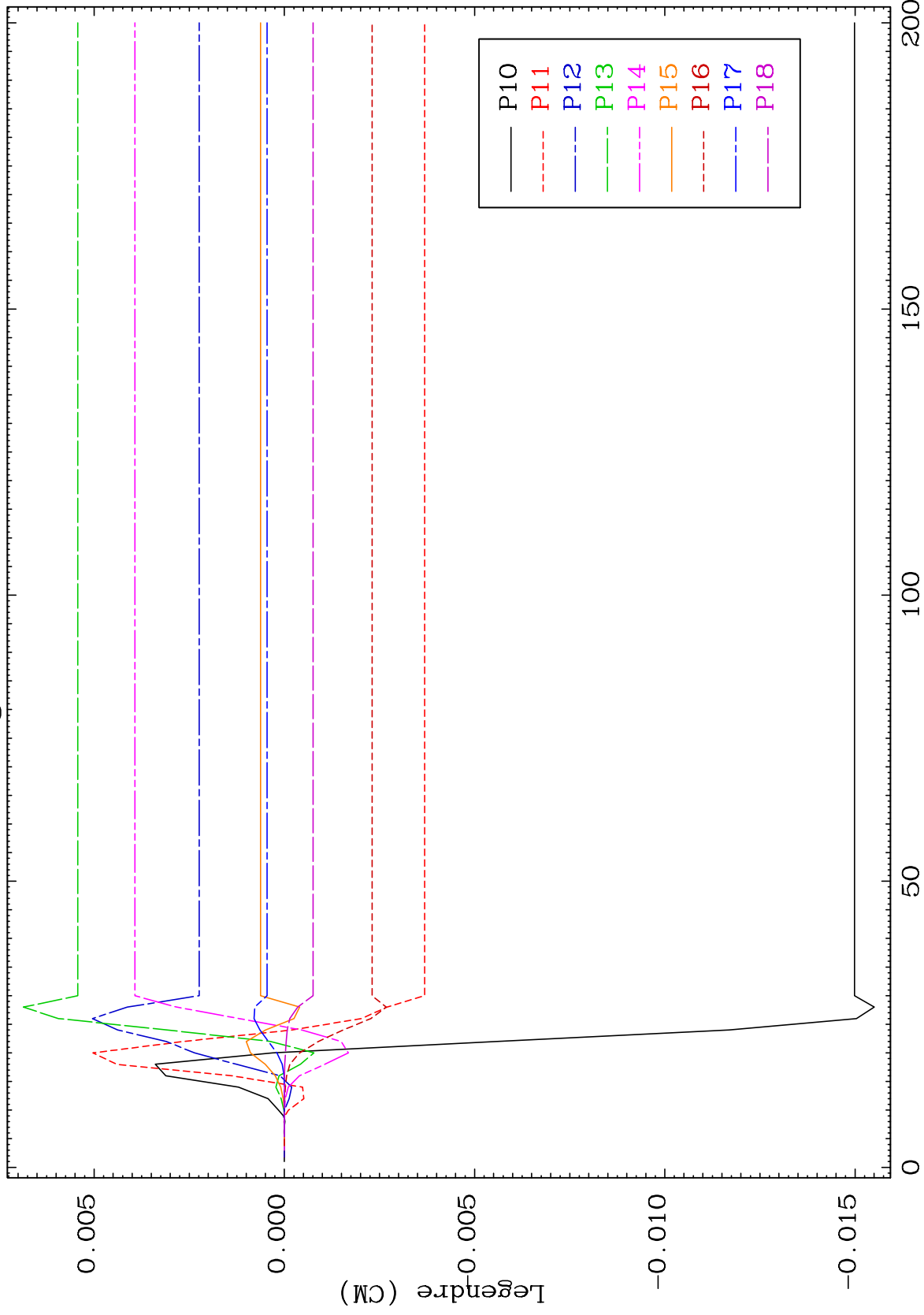
Incident Energy (MeV)

99

MAT 7146

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

71-Lu-182



101

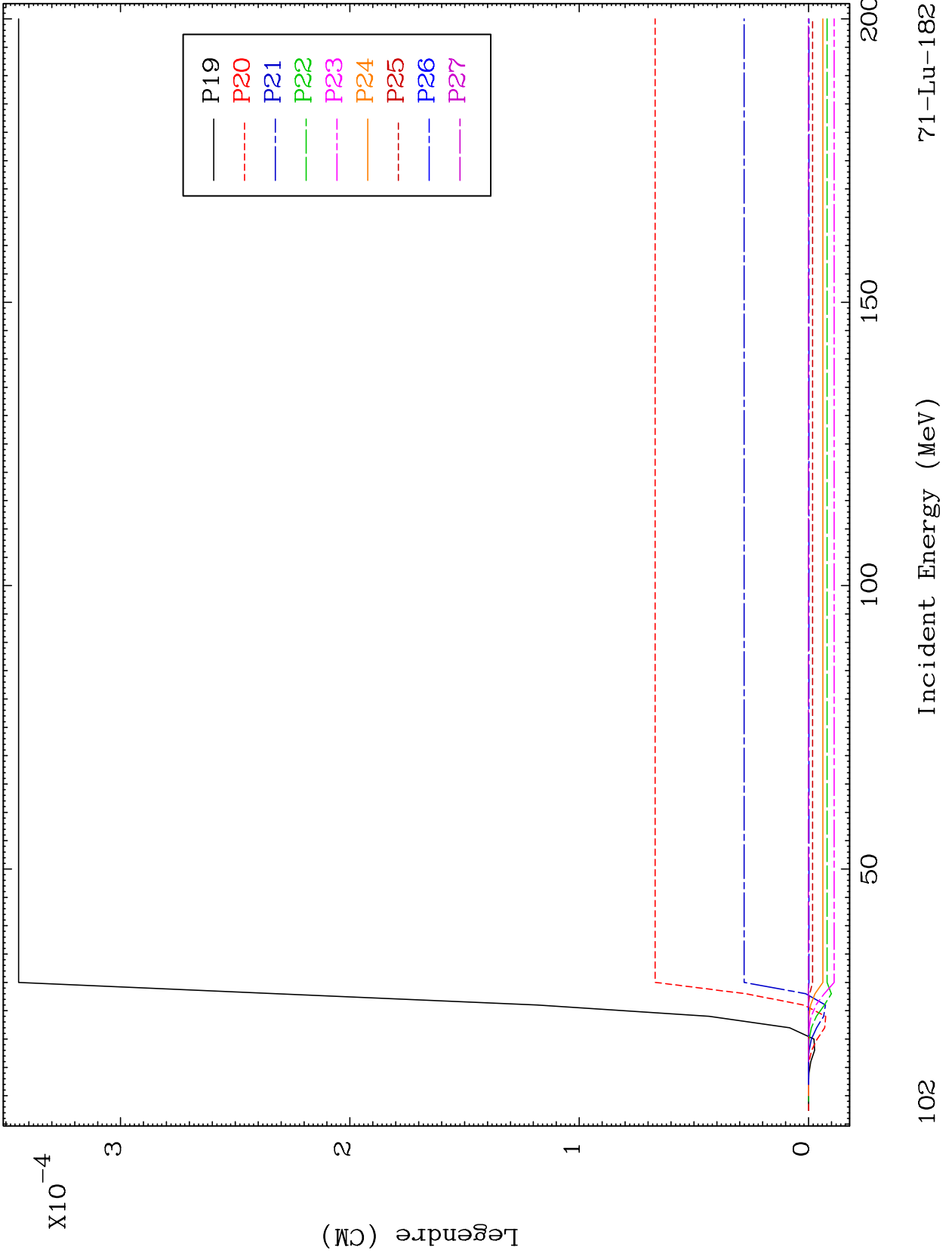
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



102

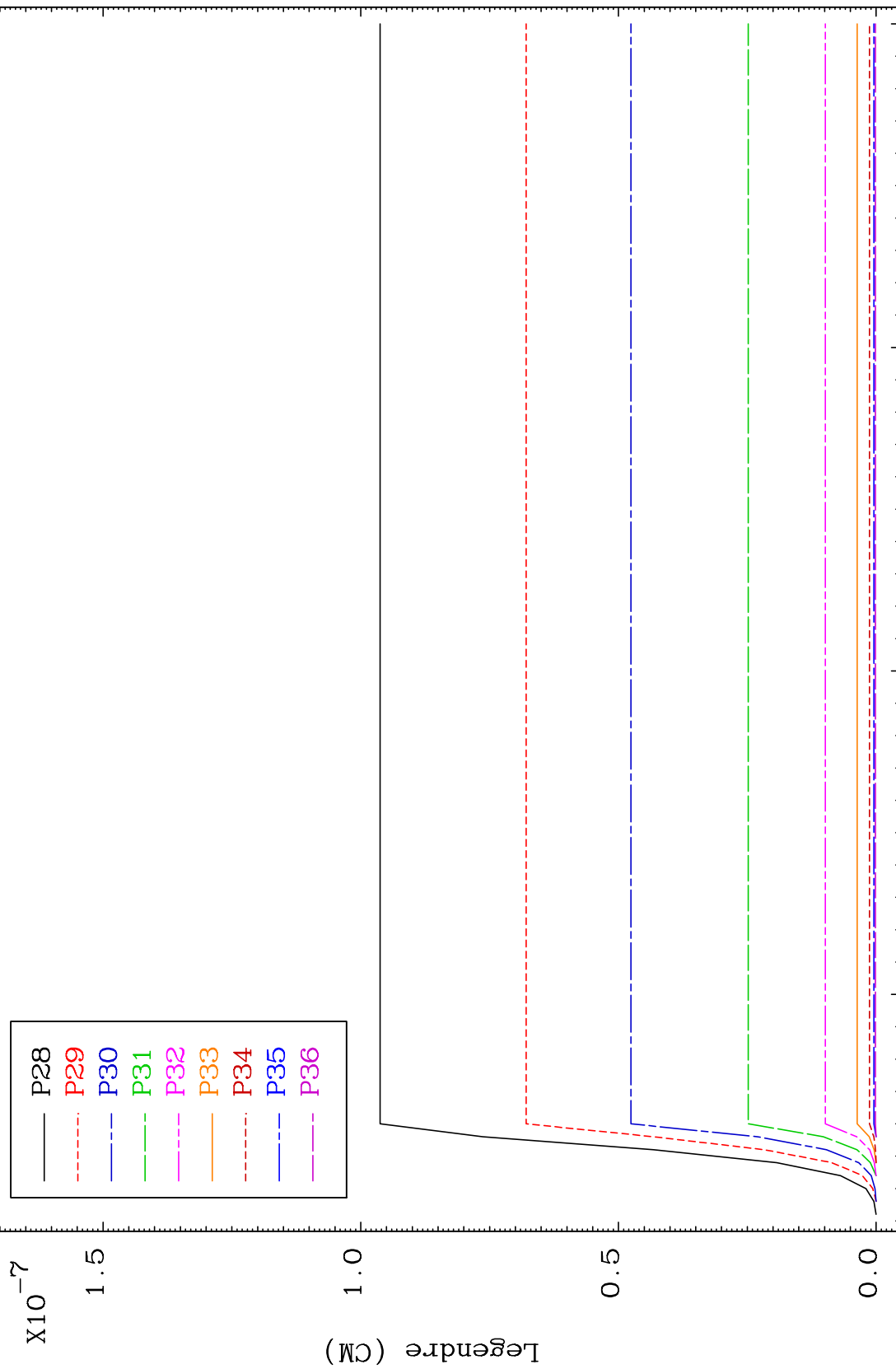
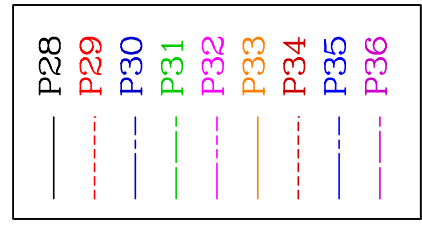
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



103

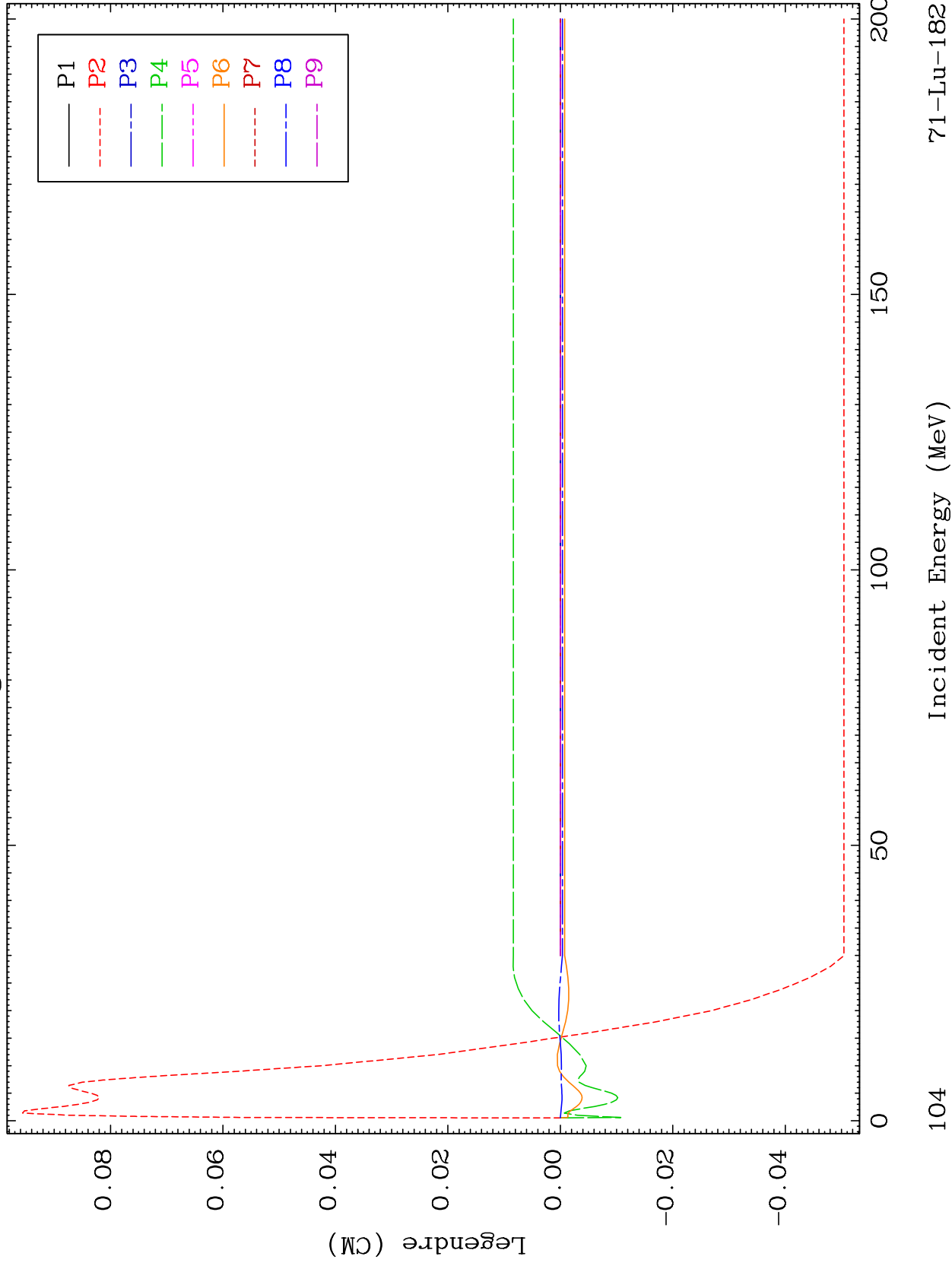
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



71-Lu-182

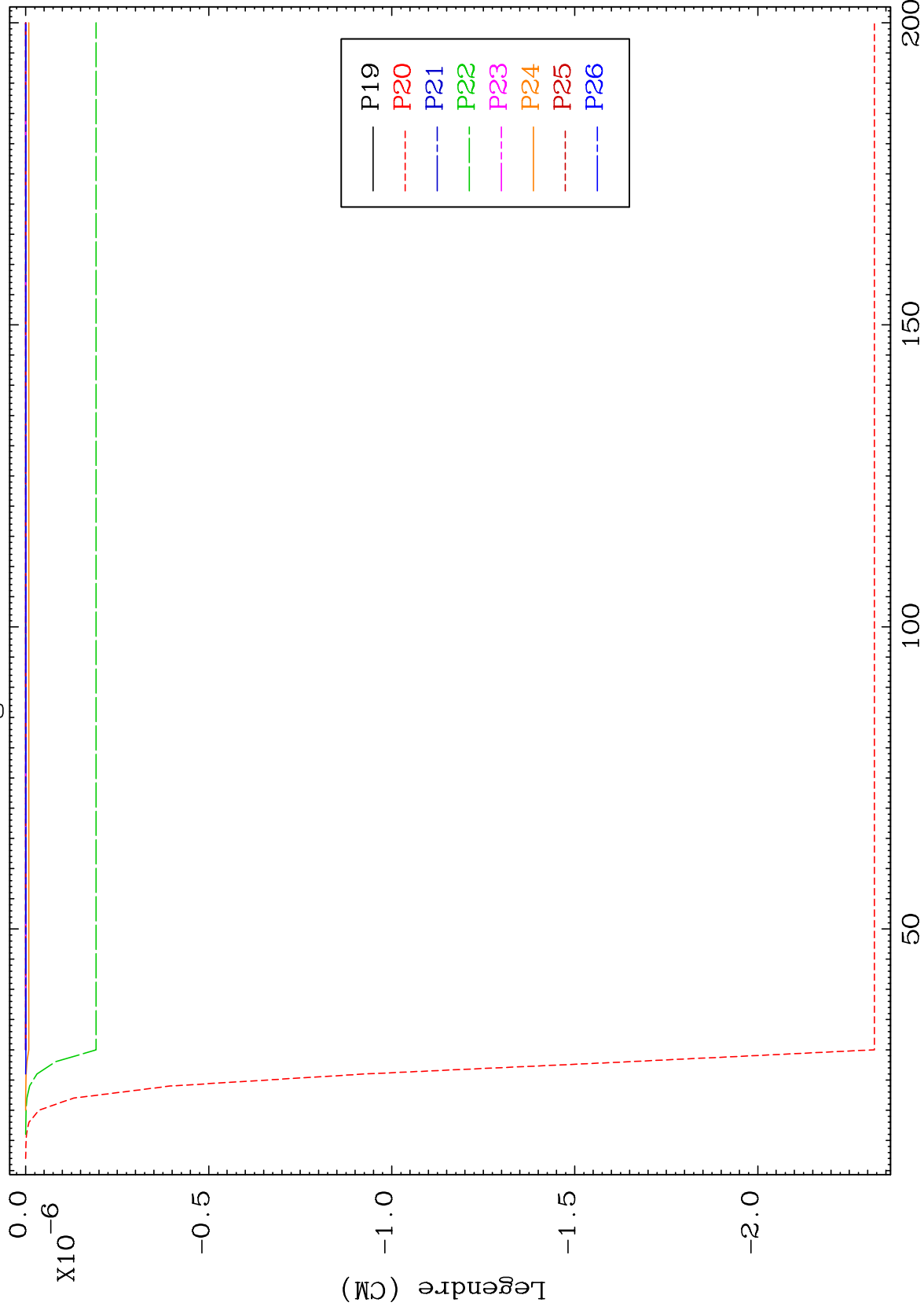
Incident Energy (MeV)

104

MAT 7146

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

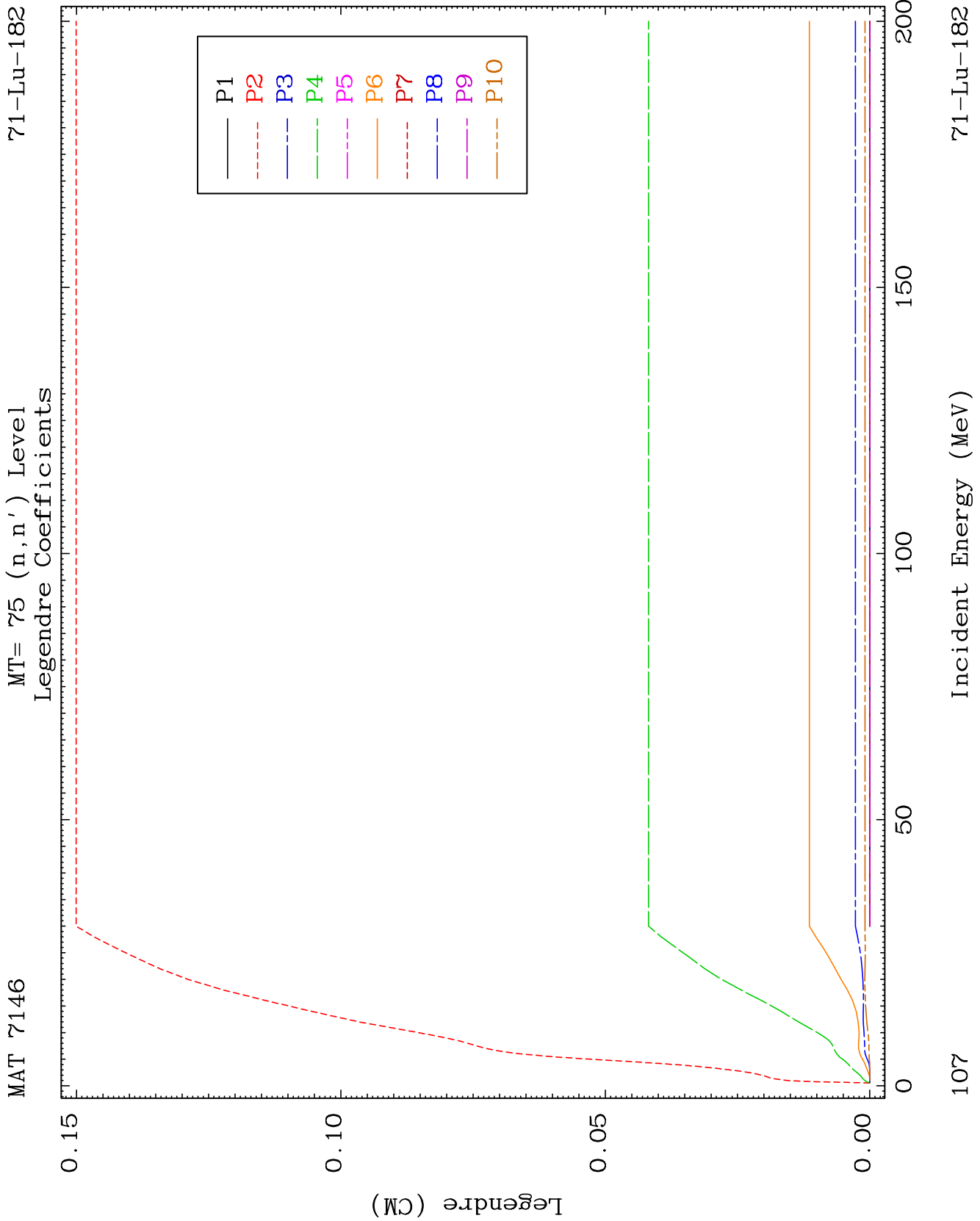
71-Lu-182



71-Lu-182

Incident Energy (MeV)

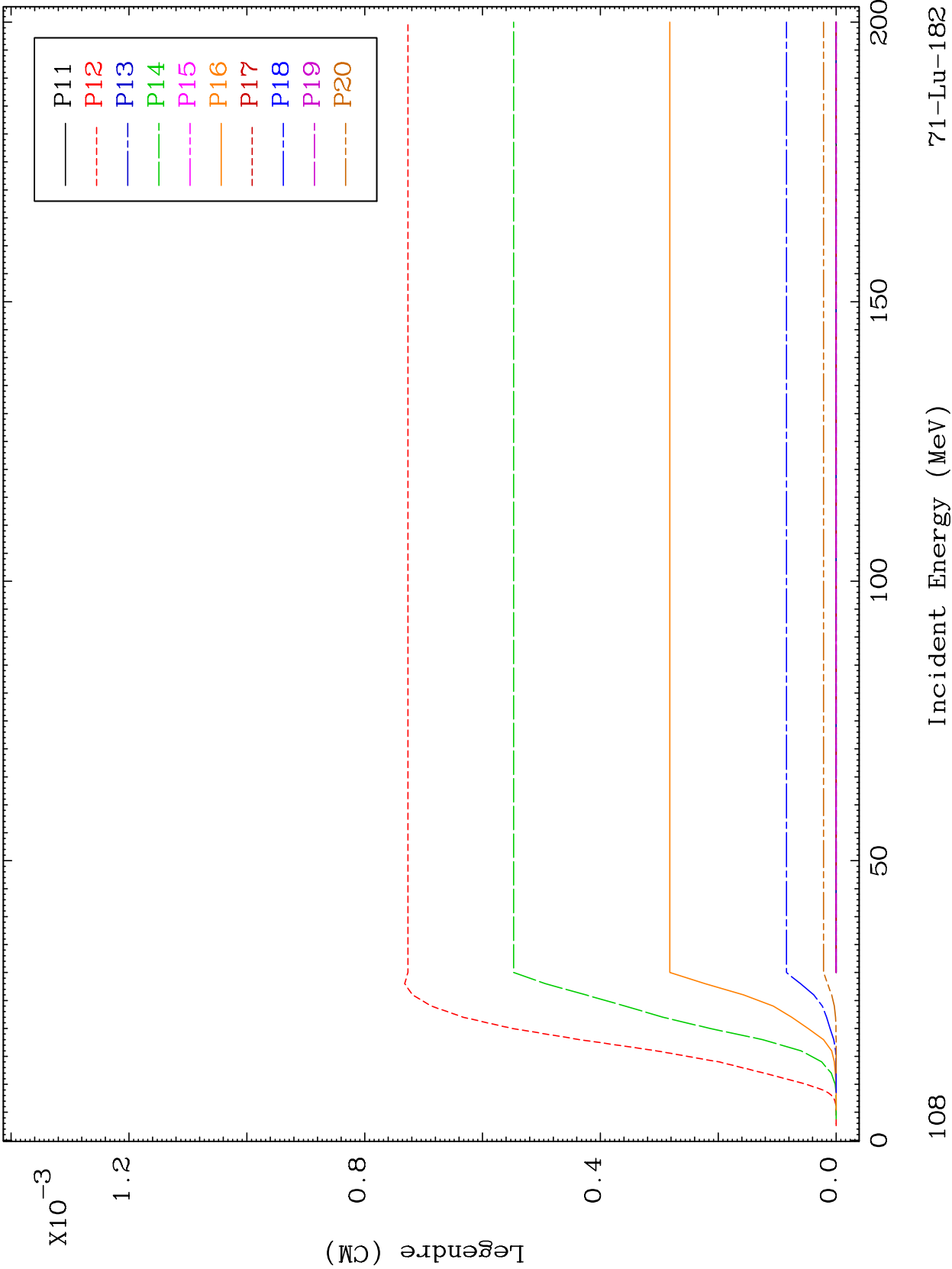
106



MAT 7146

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

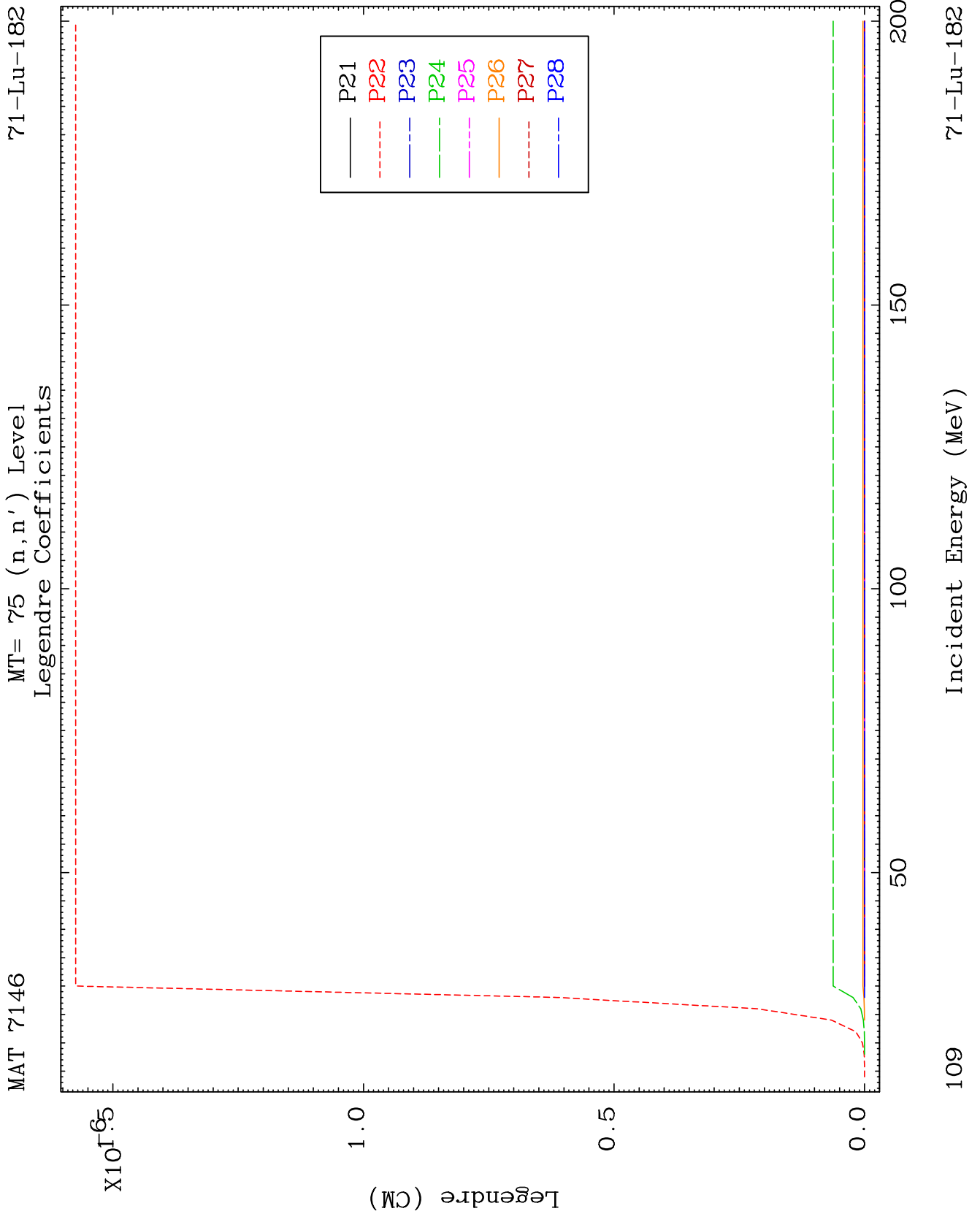
71-Lu-182



71-Lu-182

Incident Energy (MeV)

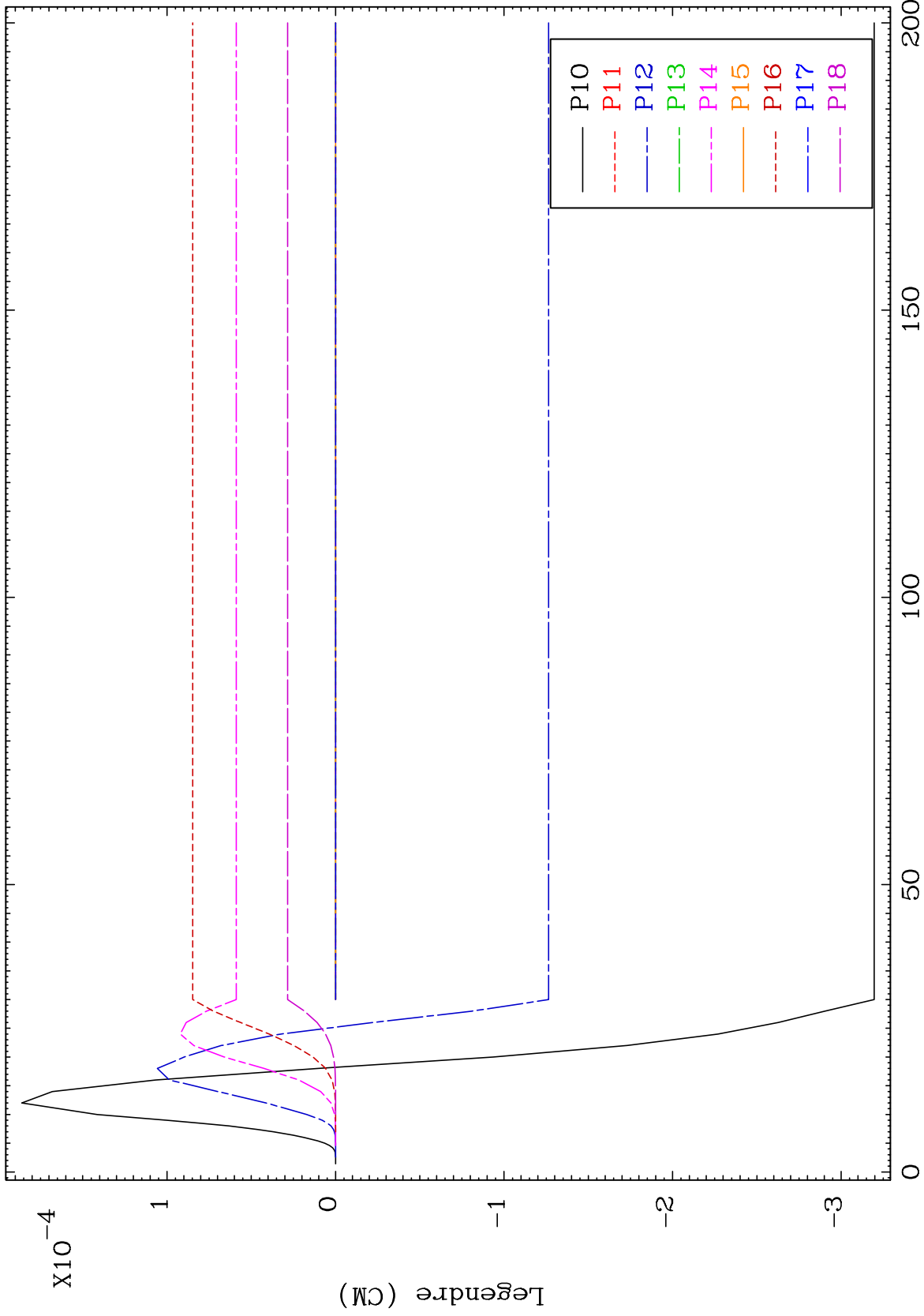
108



MAT 7146

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

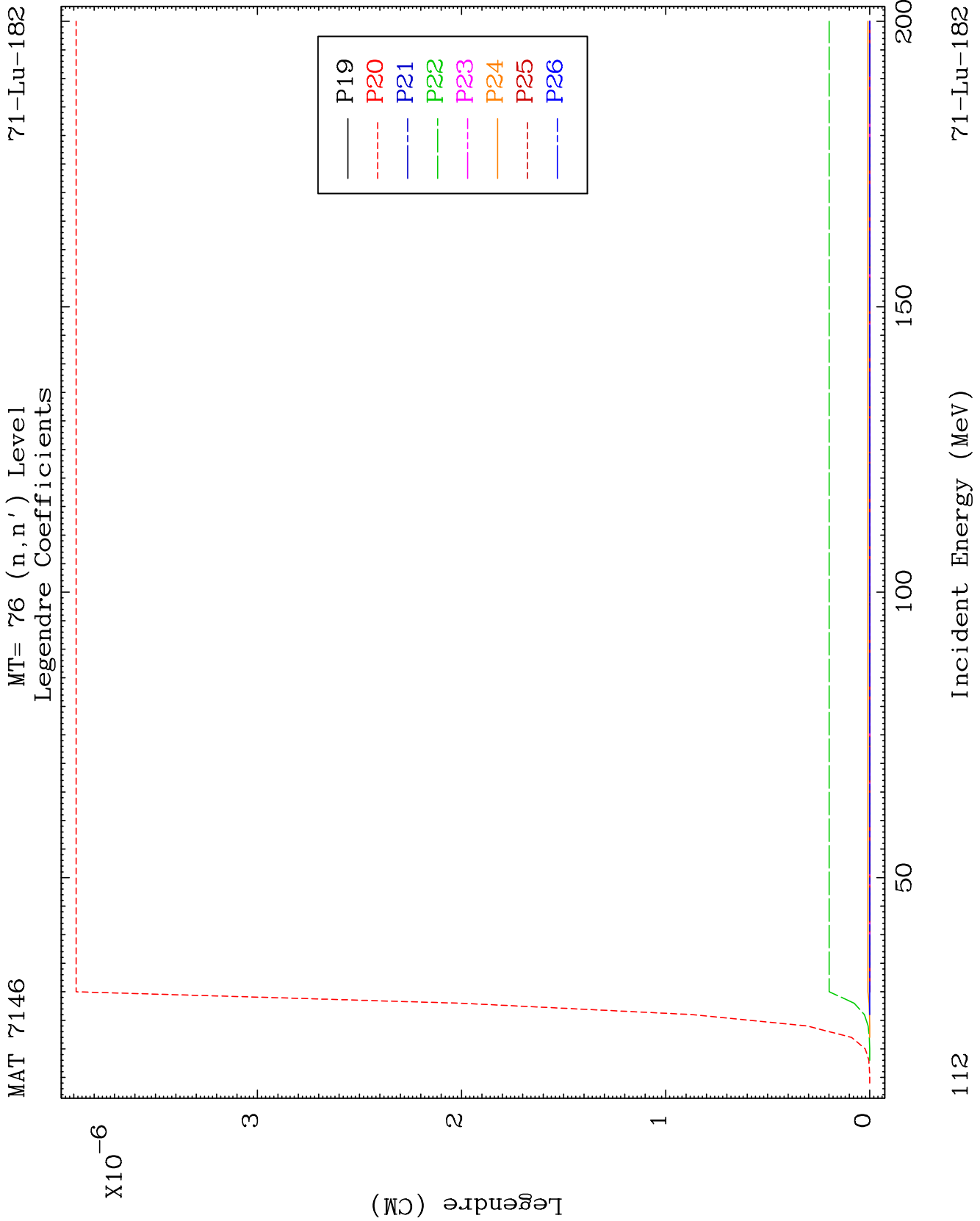
71-Lu-182



111

Incident Energy (MeV)

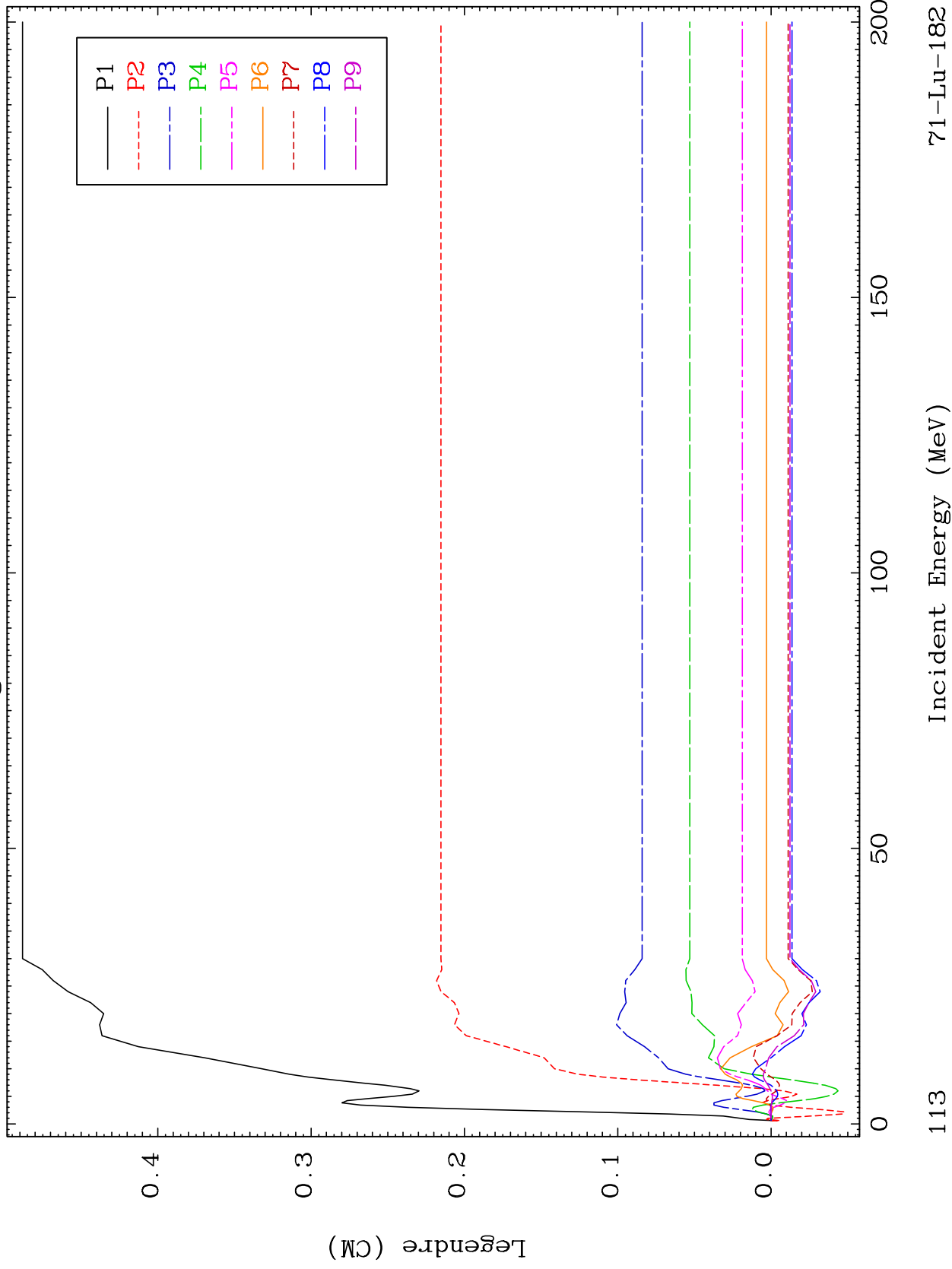
71-Lu-182



MAT 7146

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

71-Lu-182



71-Lu-182

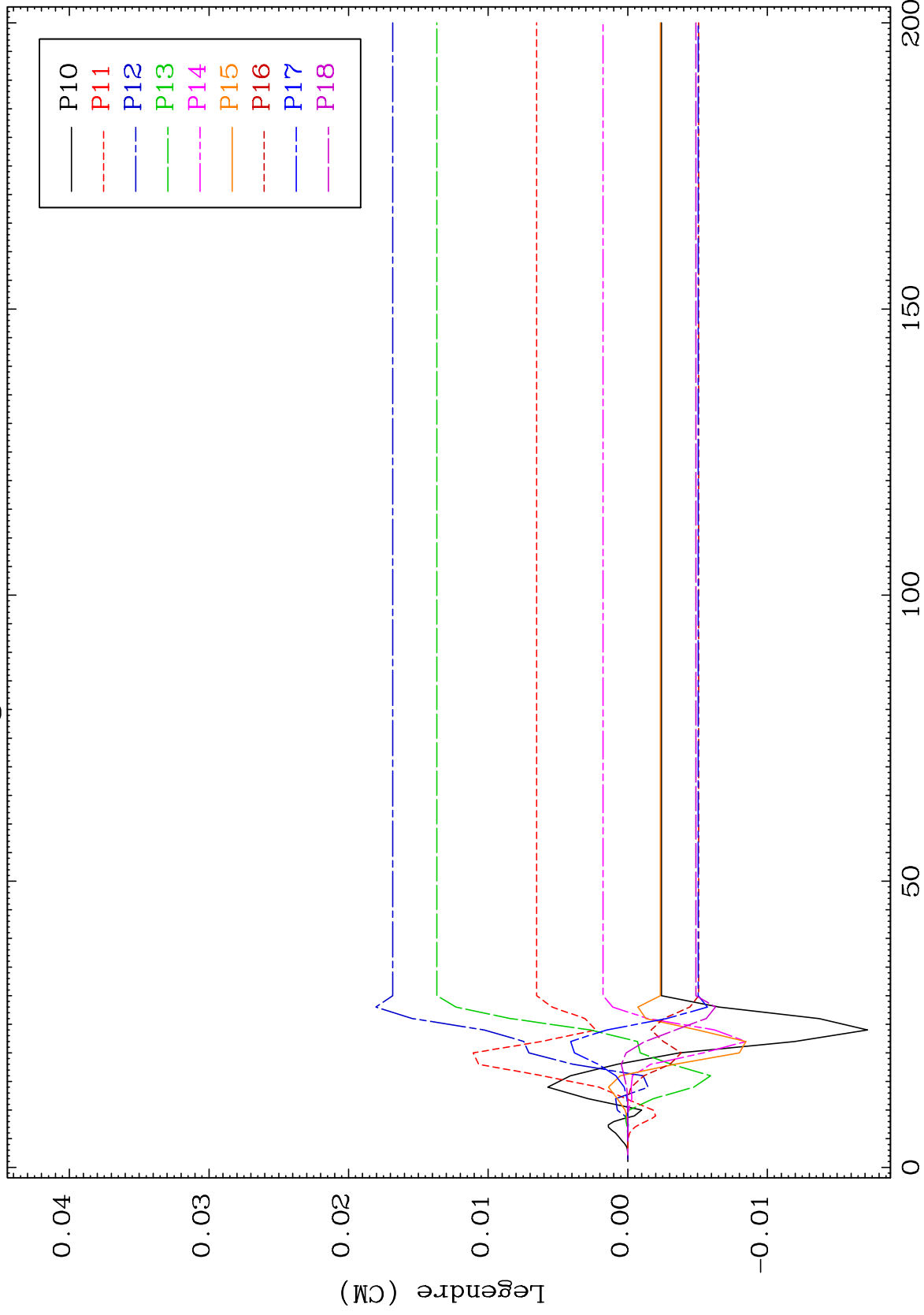
Incident Energy (MeV)

113

MAT 7146

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

71-Lu-182



114

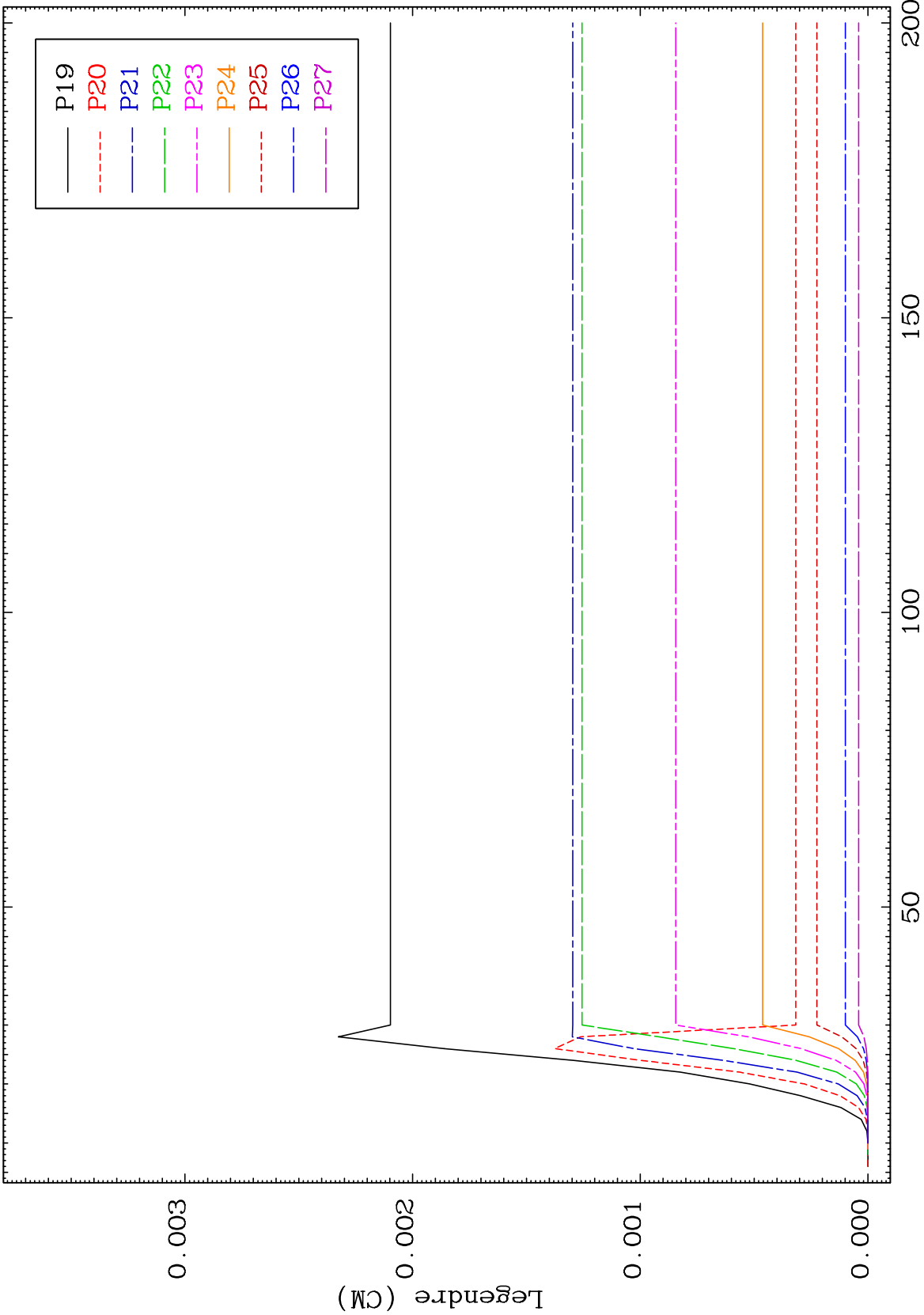
Incident Energy (MeV)

71-Lu-182

MAT 7146

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

71-Lu-182



115

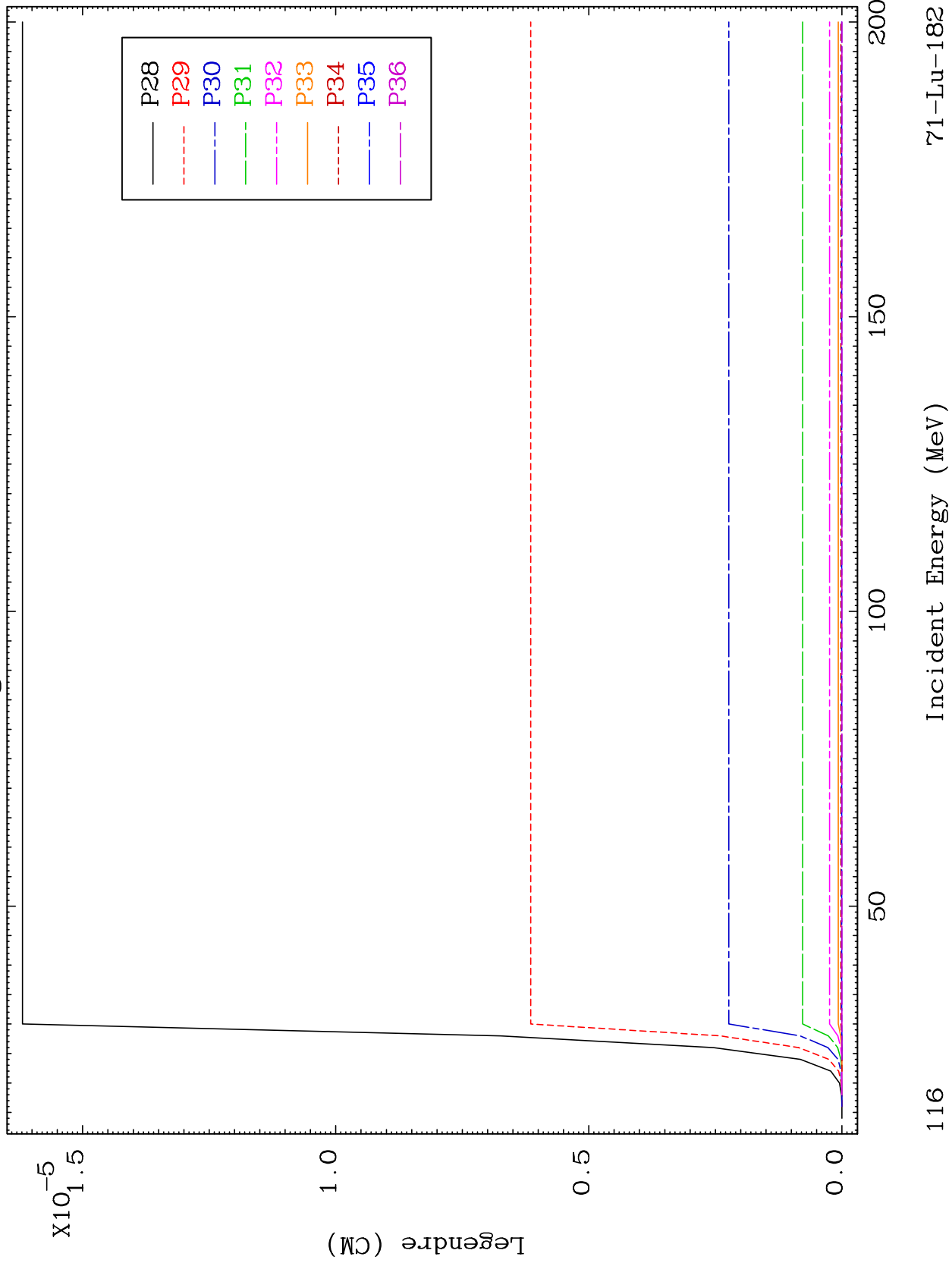
Incident Energy (MeV)

71-Lu-182

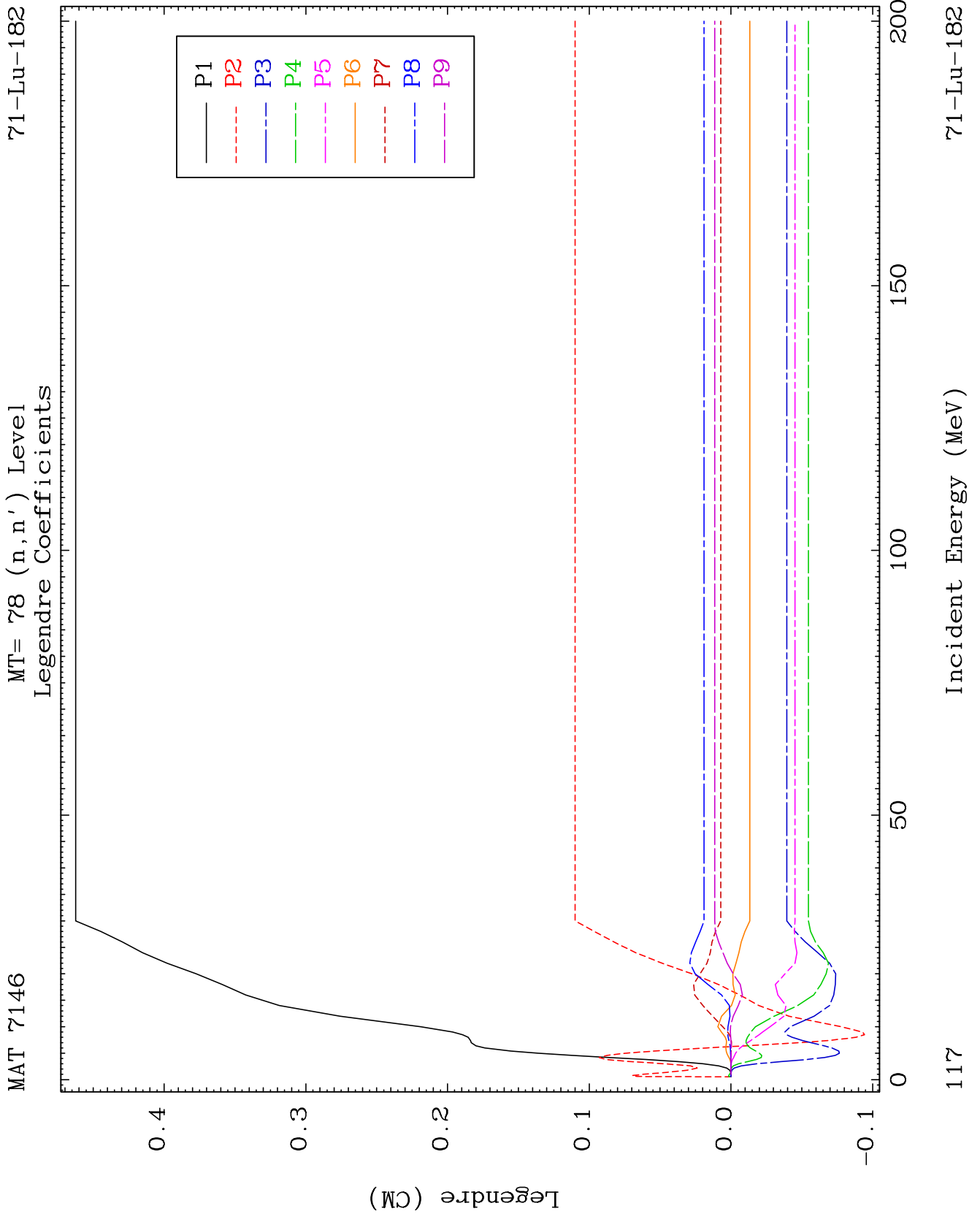
MAT 7146

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

71-Lu-182



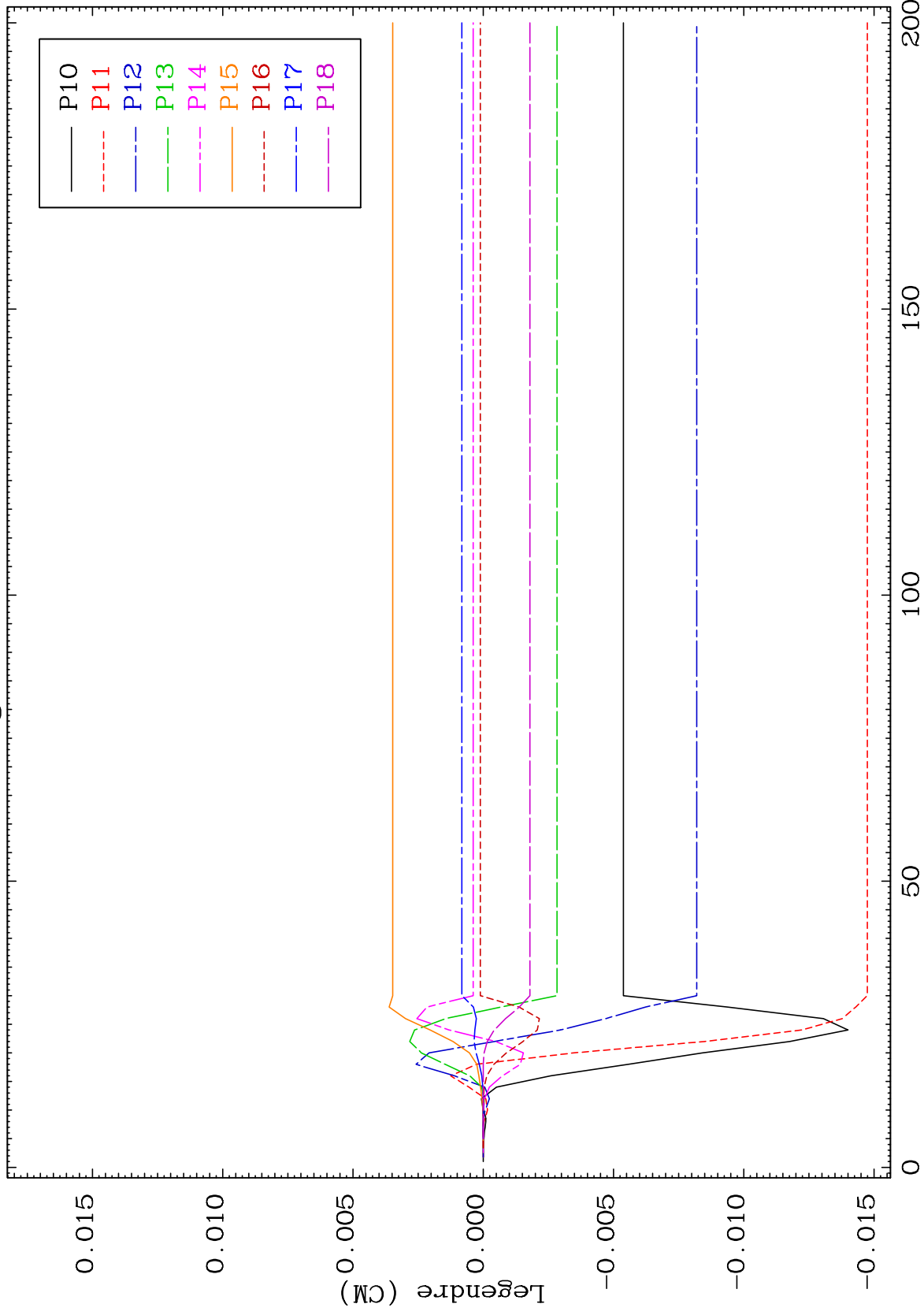
116



MAT 7146

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

71-Lu-182



118

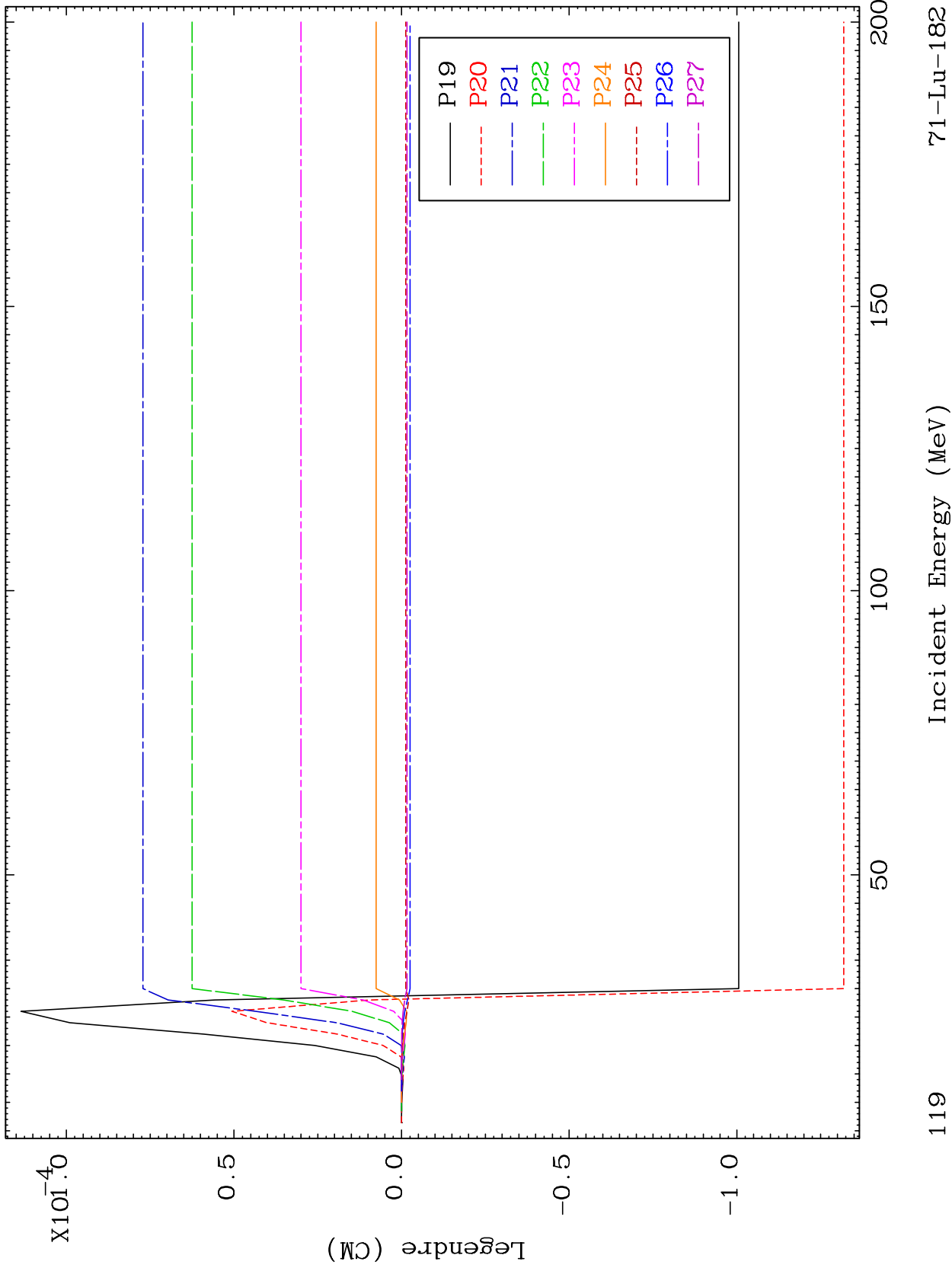
Incident Energy (MeV)

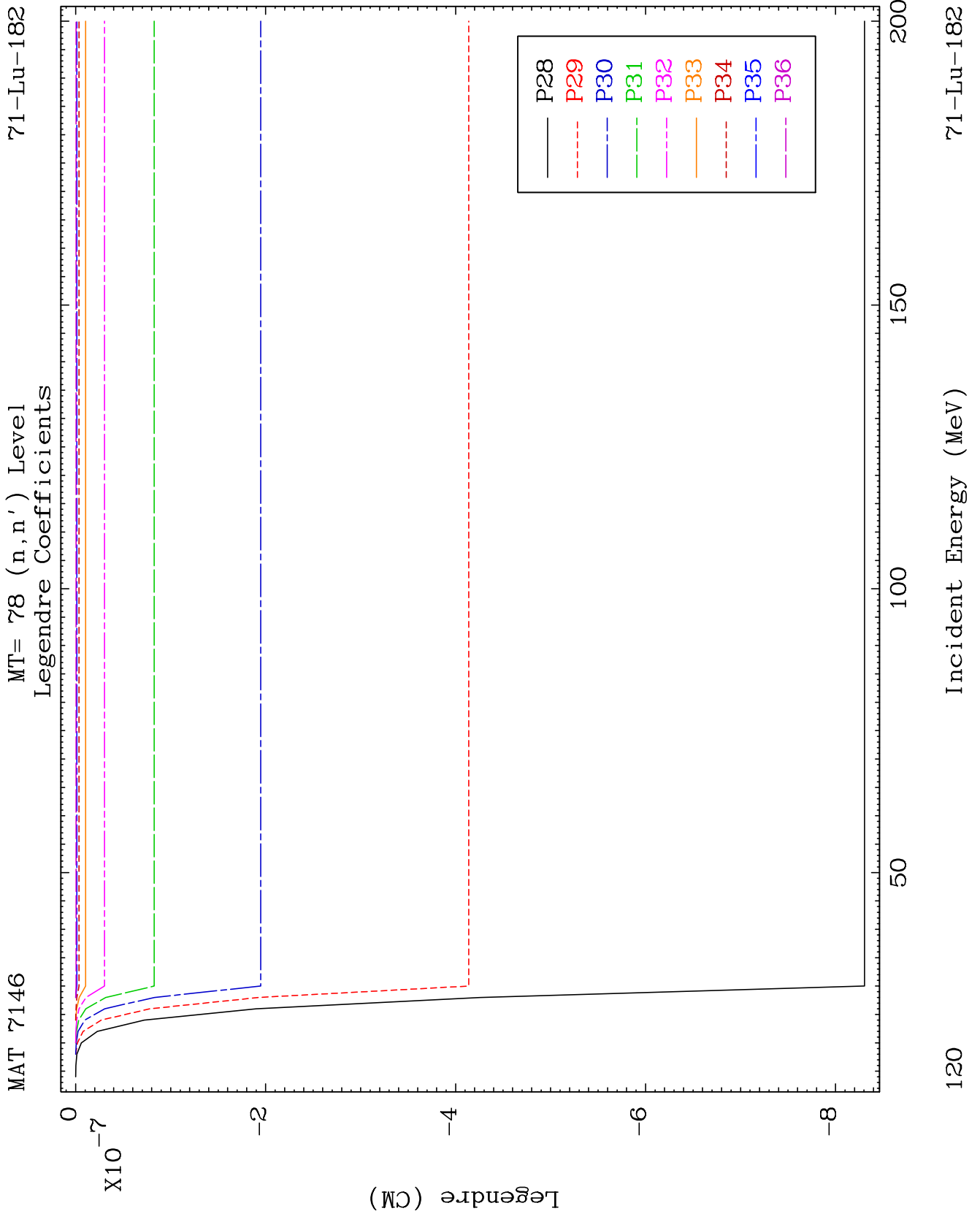
71-Lu-182

MAT 7146

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

71-Lu-182

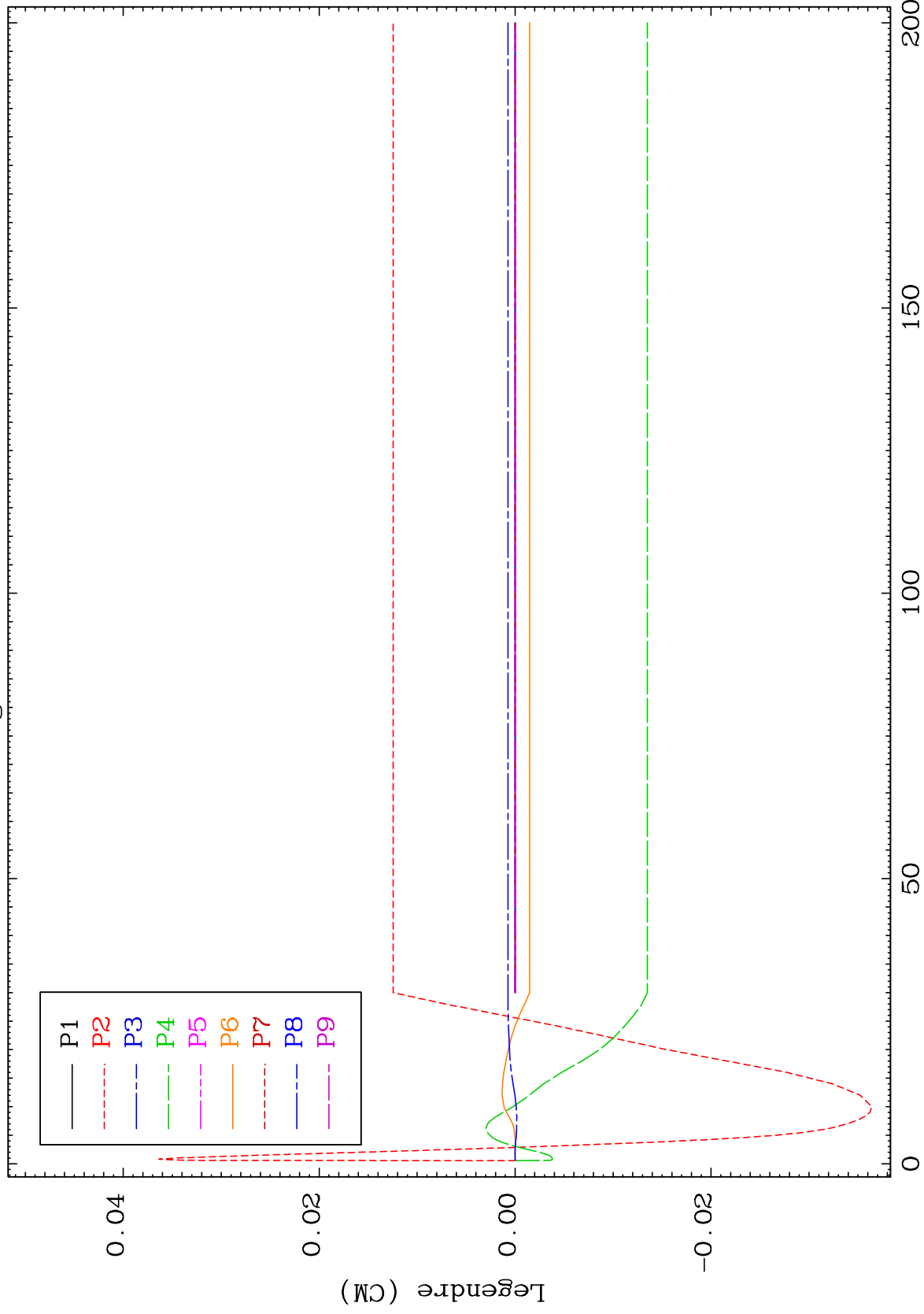




MAT 7146

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

71-Lu-182



71-Lu-182

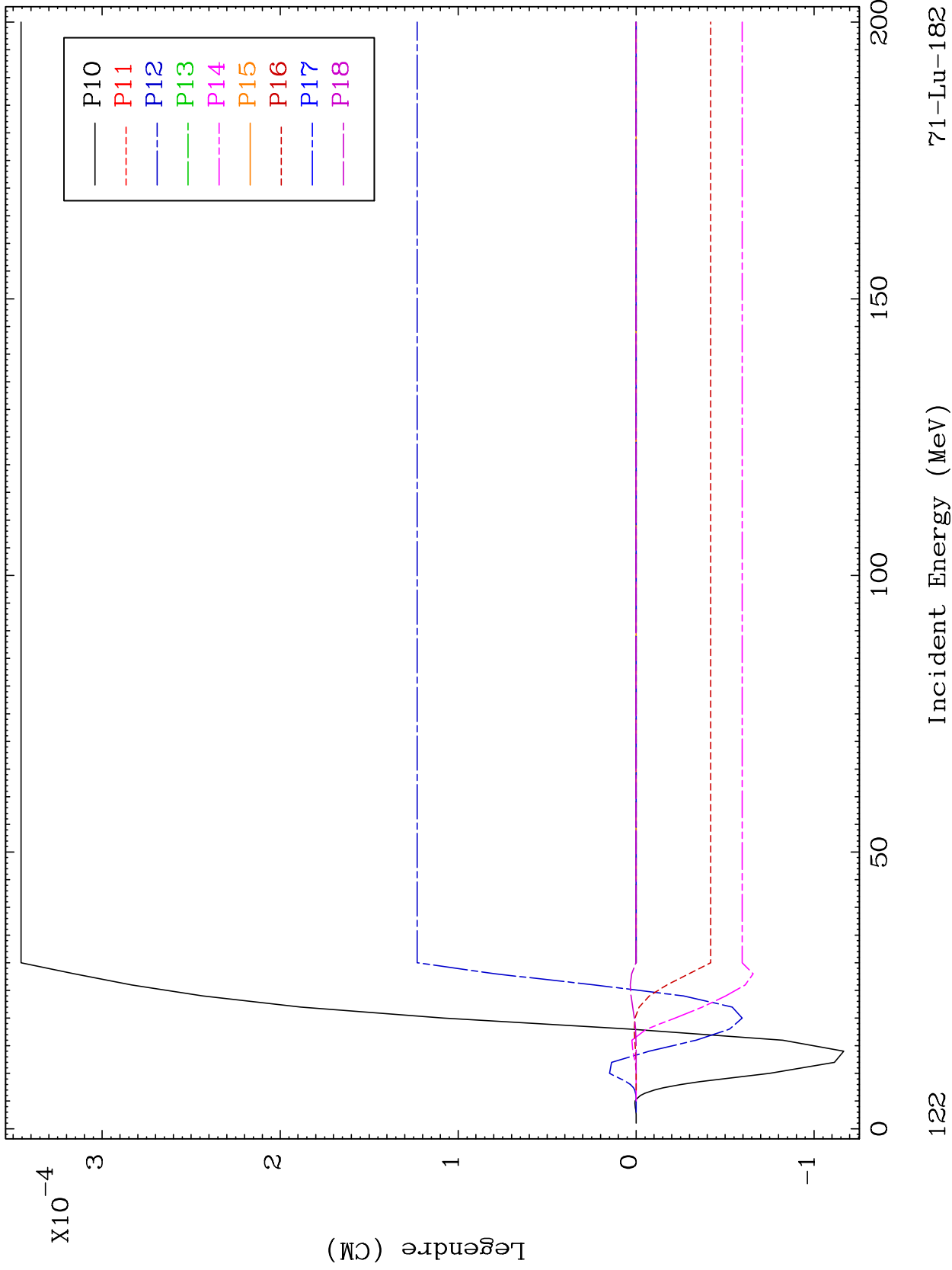
Incident Energy (MeV)

121

MAT 7146

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

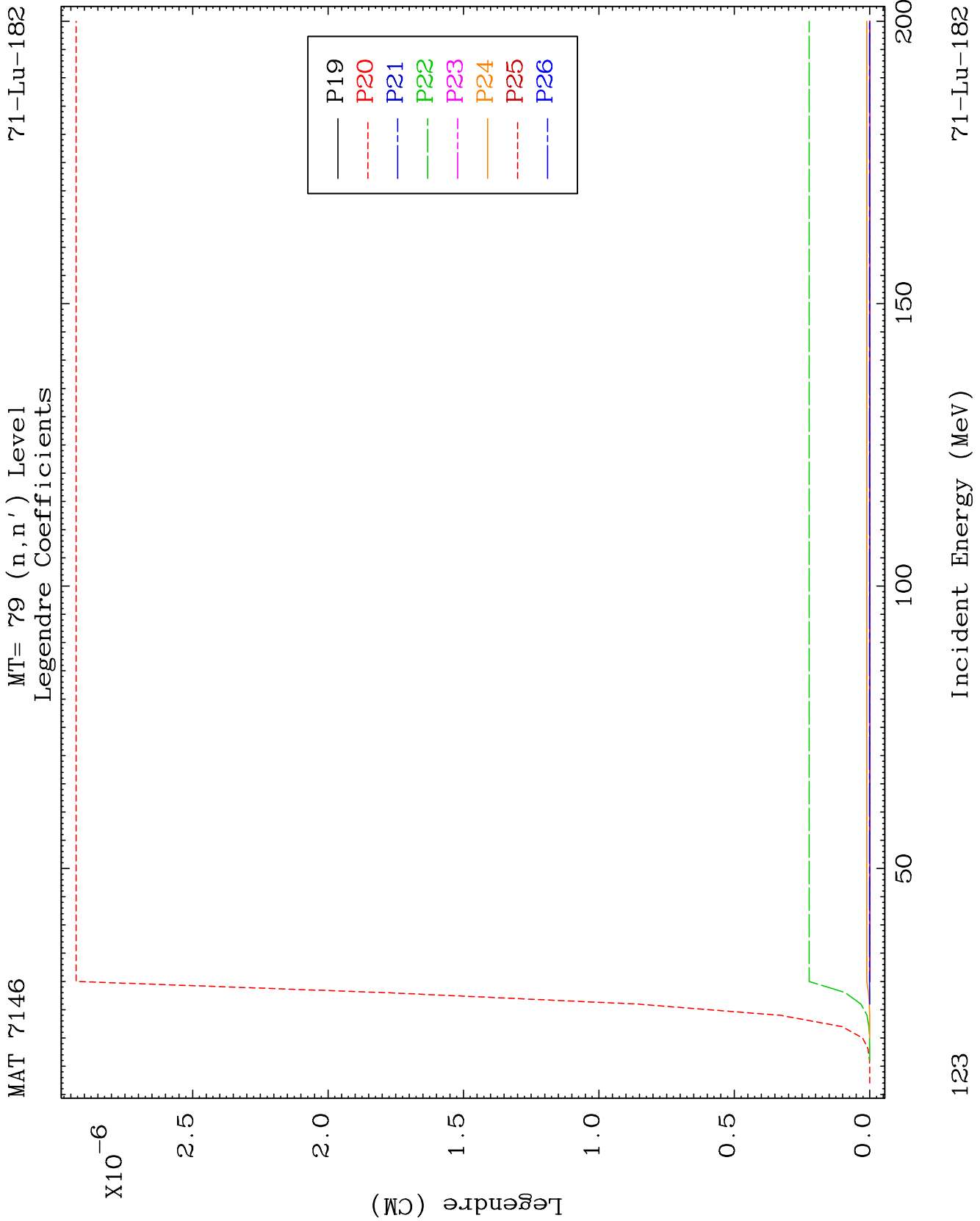
71-Lu-182

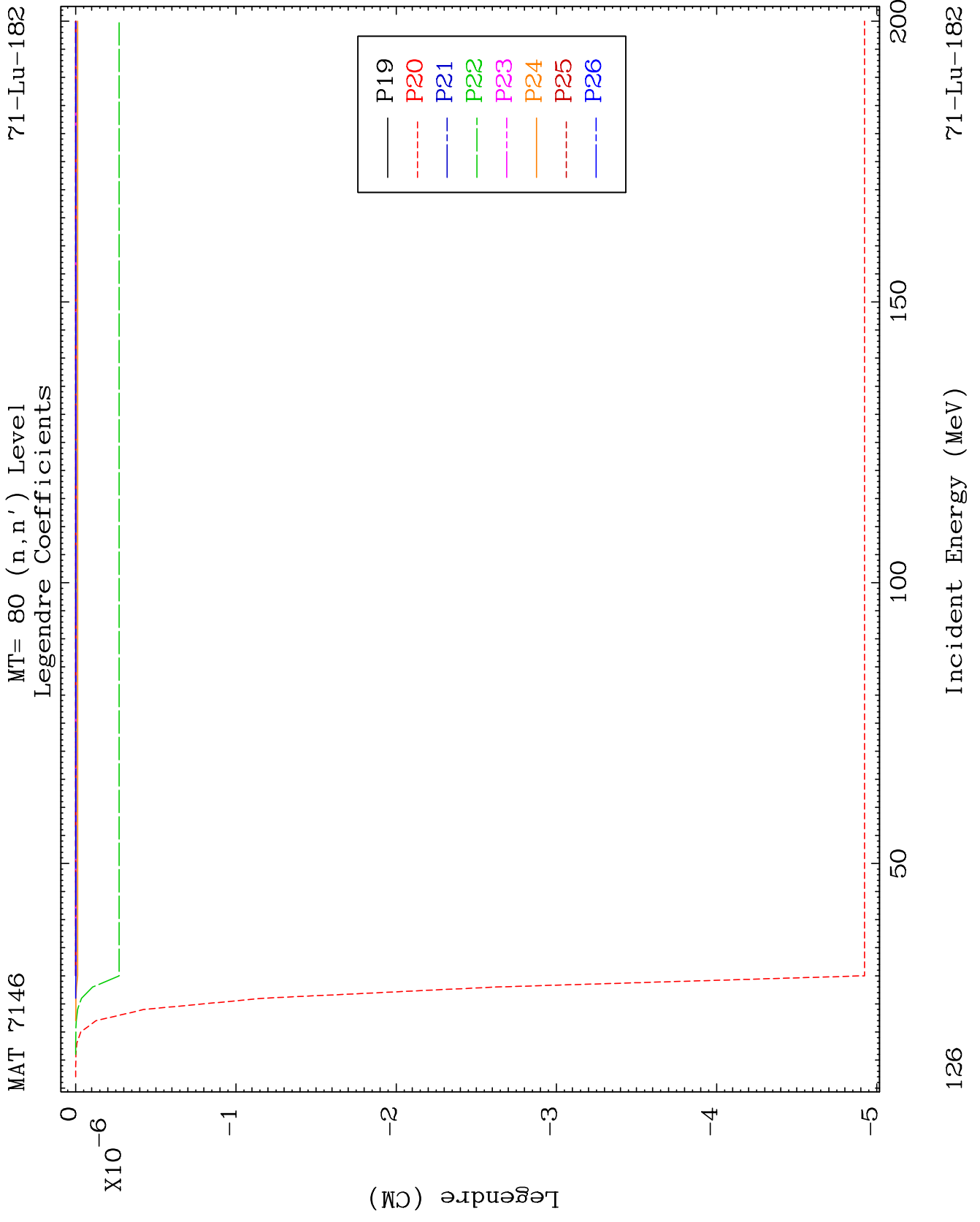


71-Lu-182

Incident Energy (MeV)

122



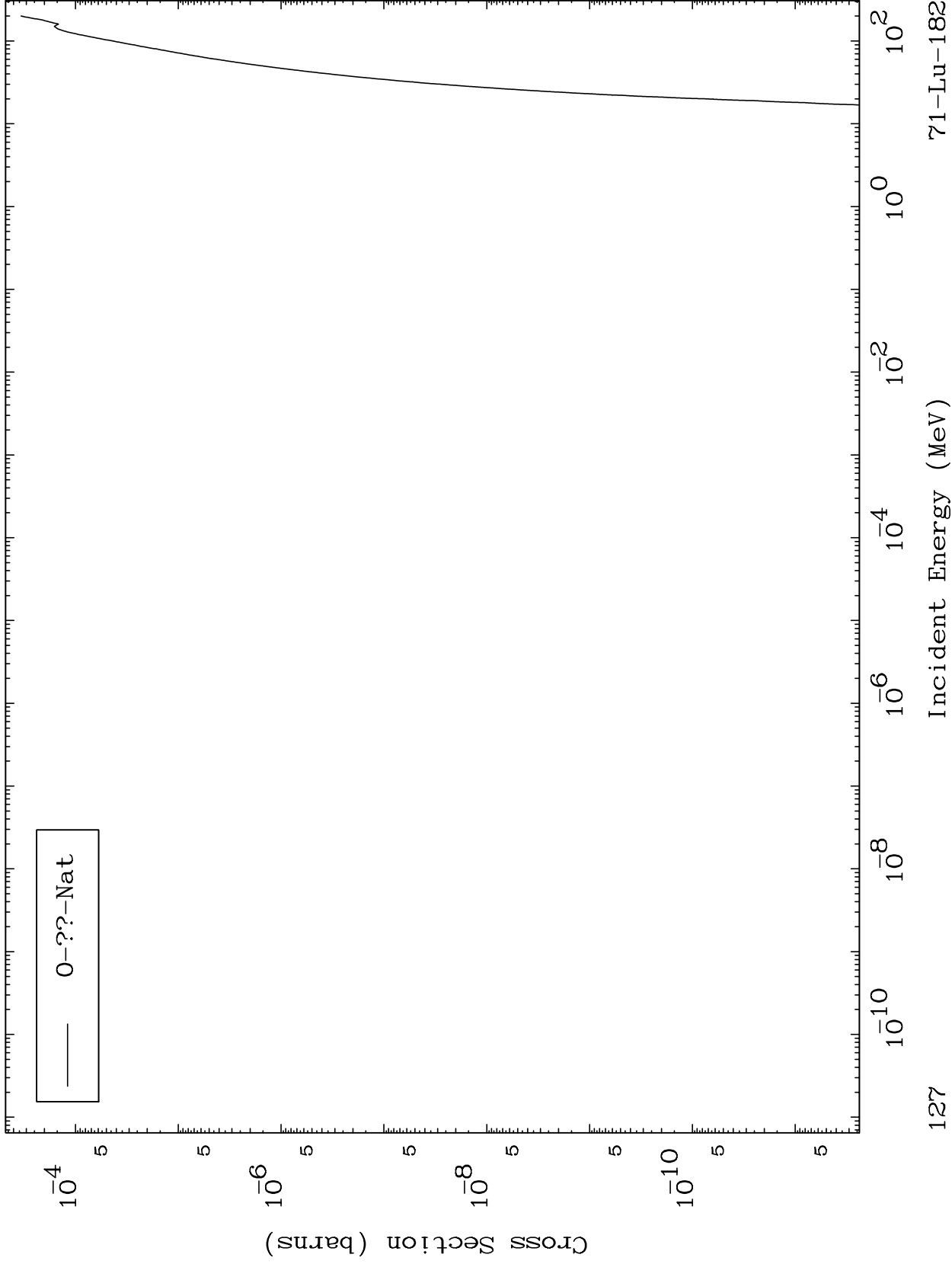


MAT 7146

Fission

⁷¹-Lu-182

Radionuclide Production Cross Section



127

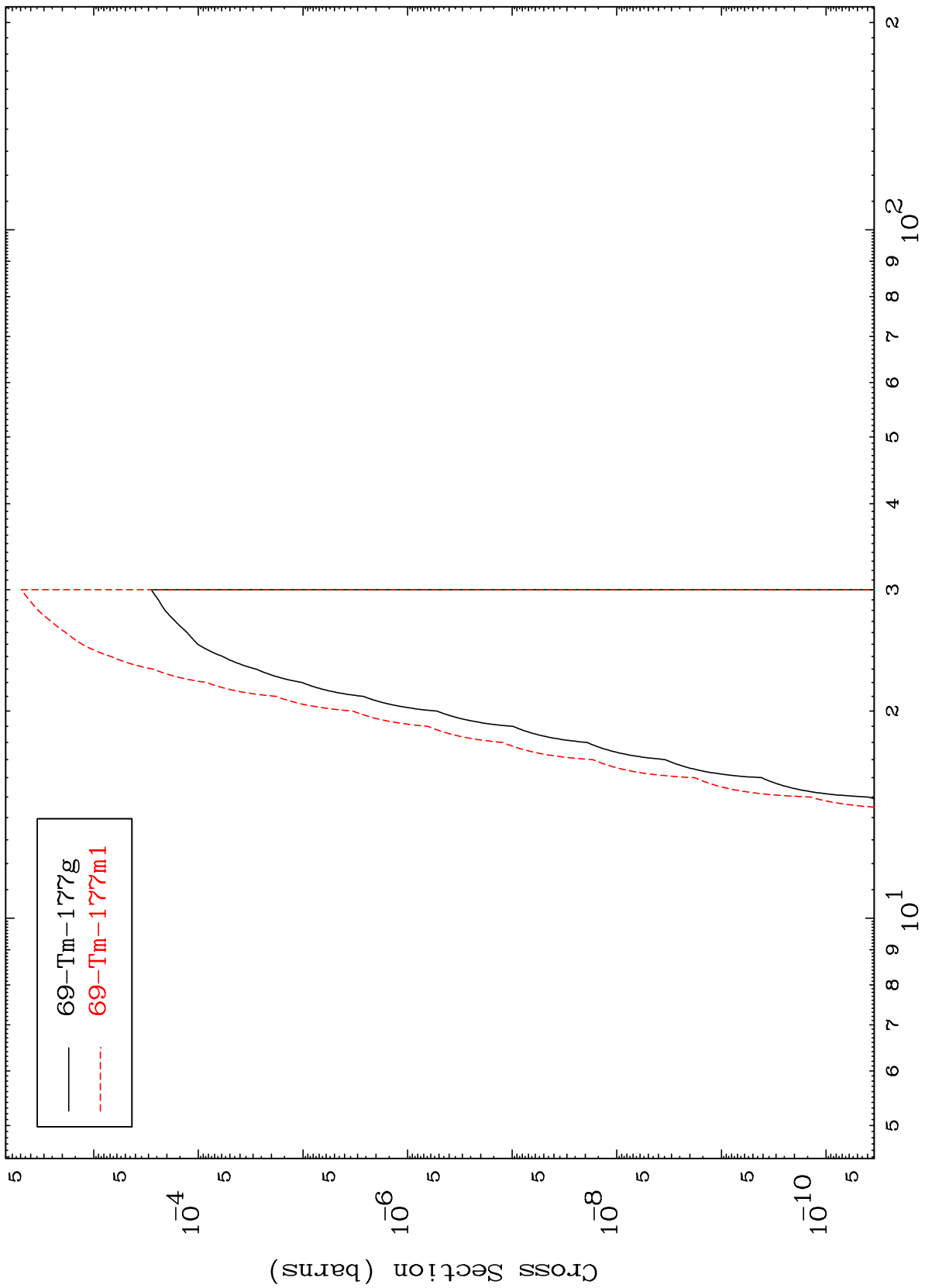
⁷¹-Lu-182

MAT 7146

$(n, 2n) \alpha$

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

Radionuclide Production Cross Section



128

Incident Energy (MeV)

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