

Program EVALPLOT
(Version 2021-1)

by

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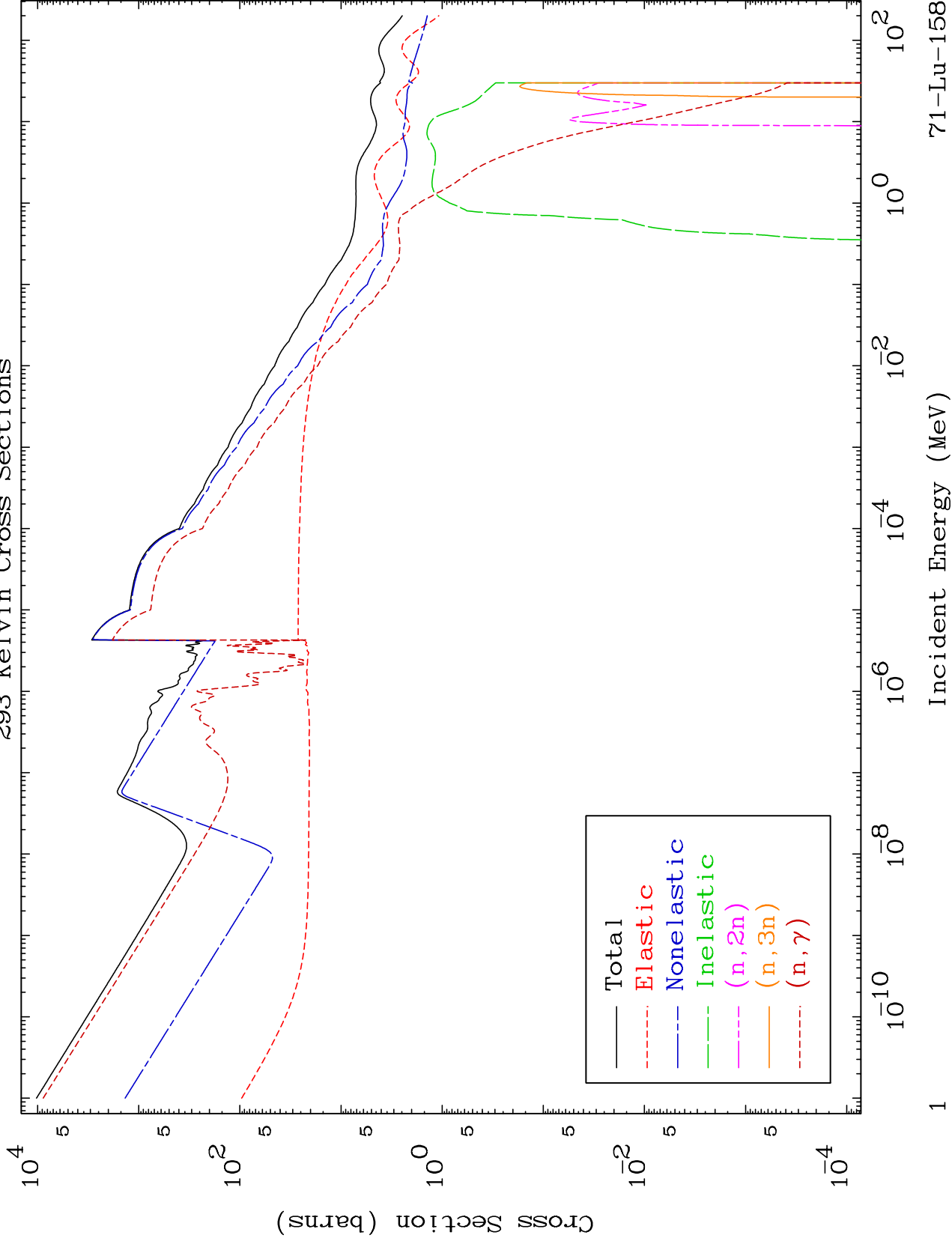
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Press Mouse Button to Start

MAT 7074

Neutron Major
293 Kelvin Cross Sections

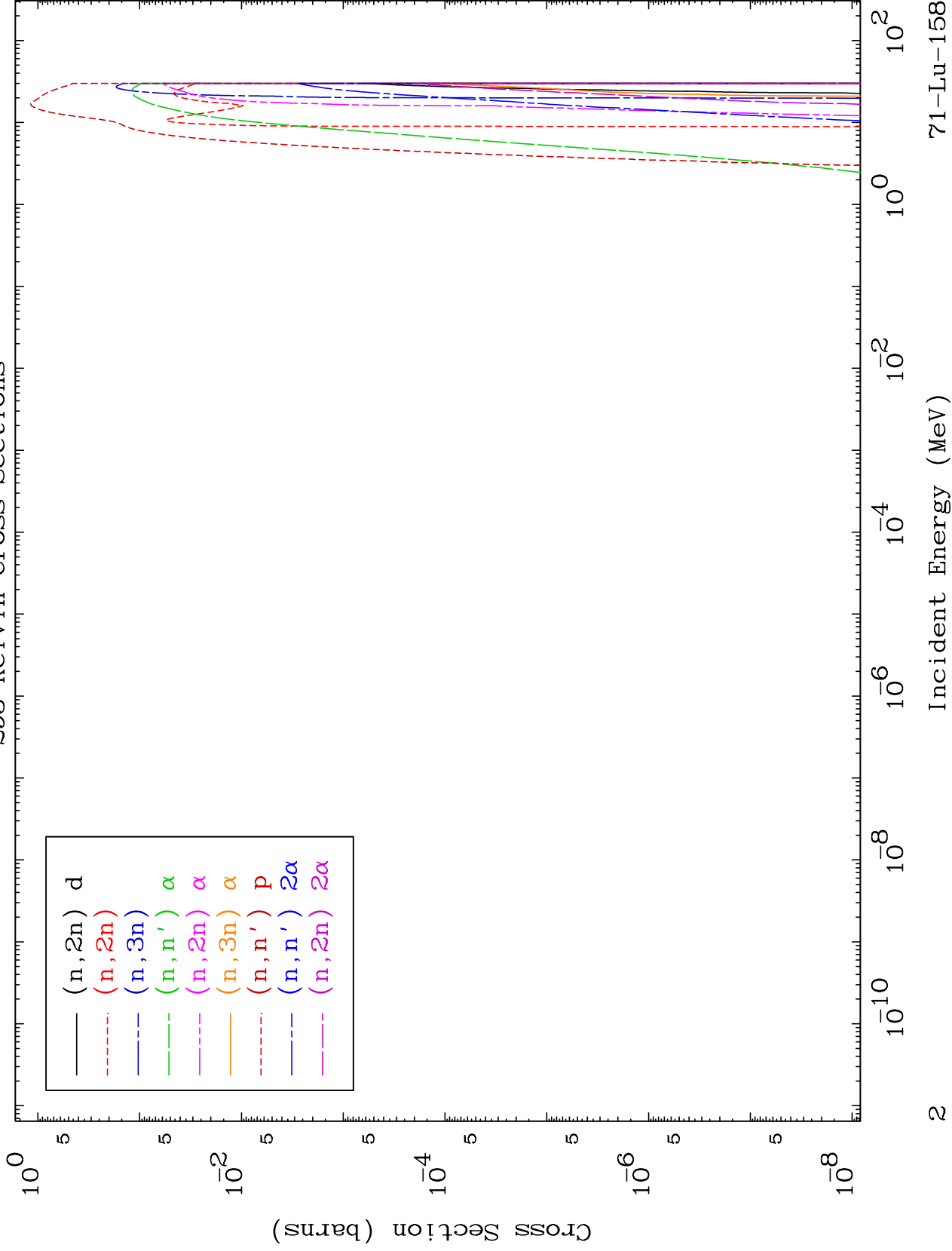
71-Lu-158

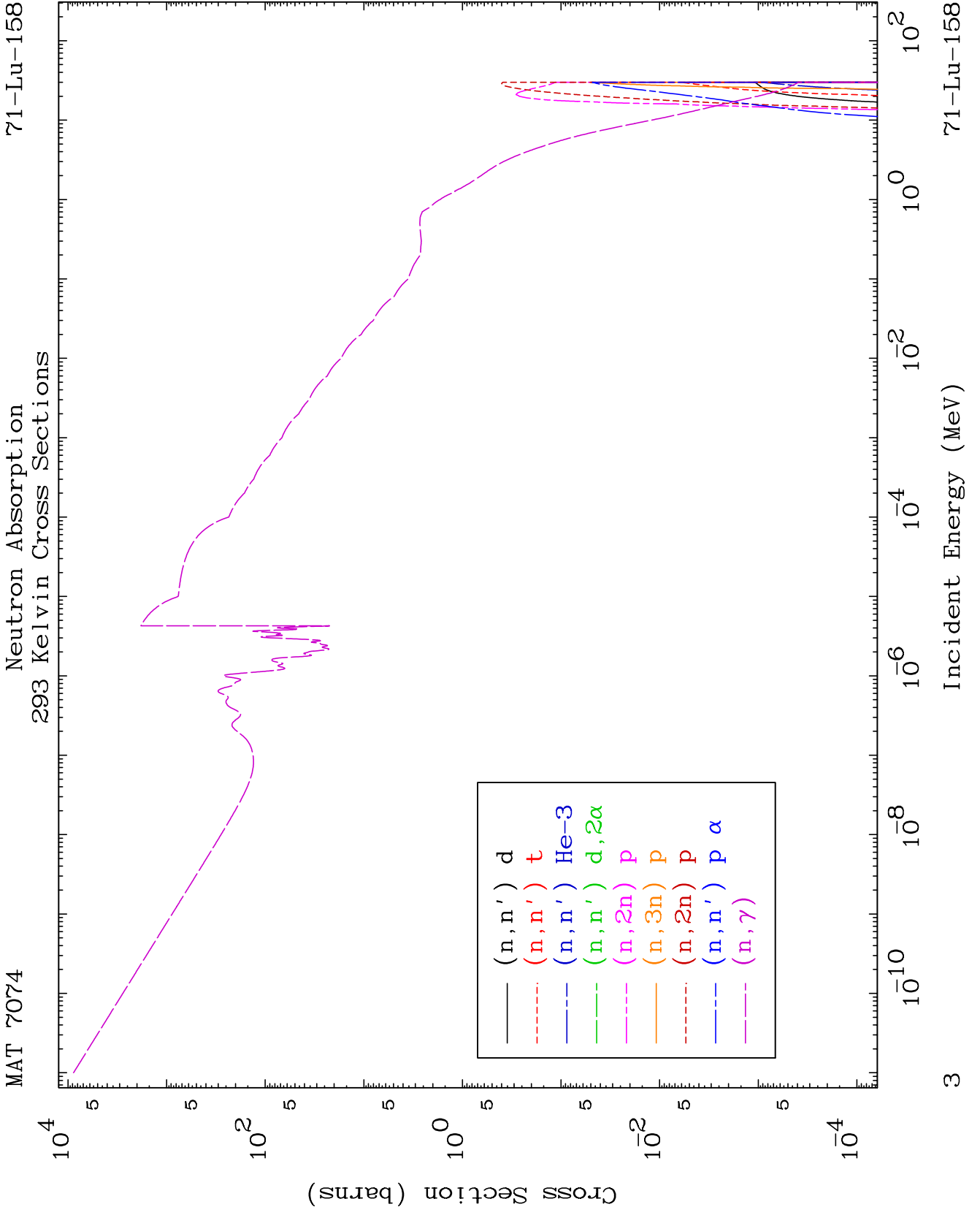


MAT 7074

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-158

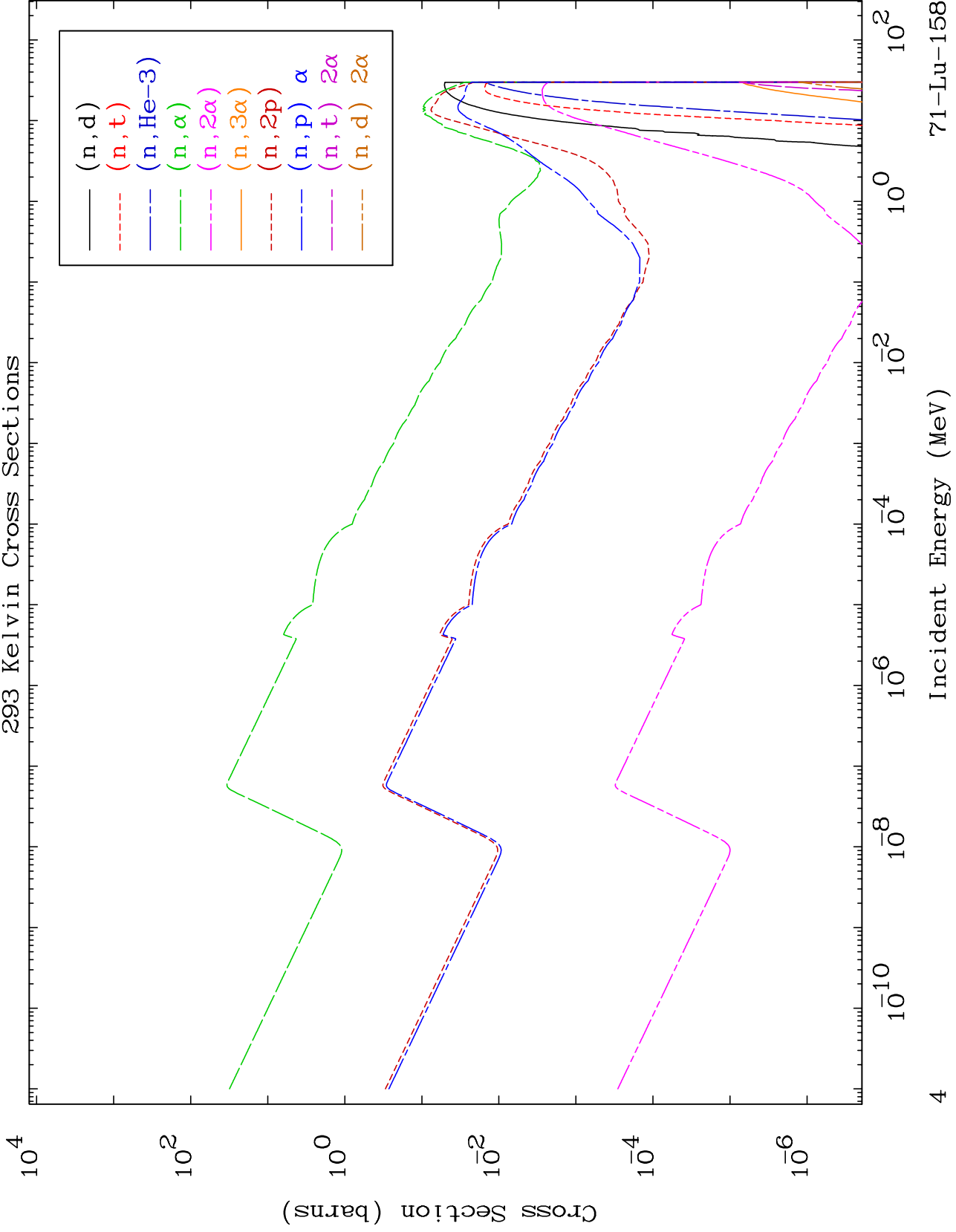


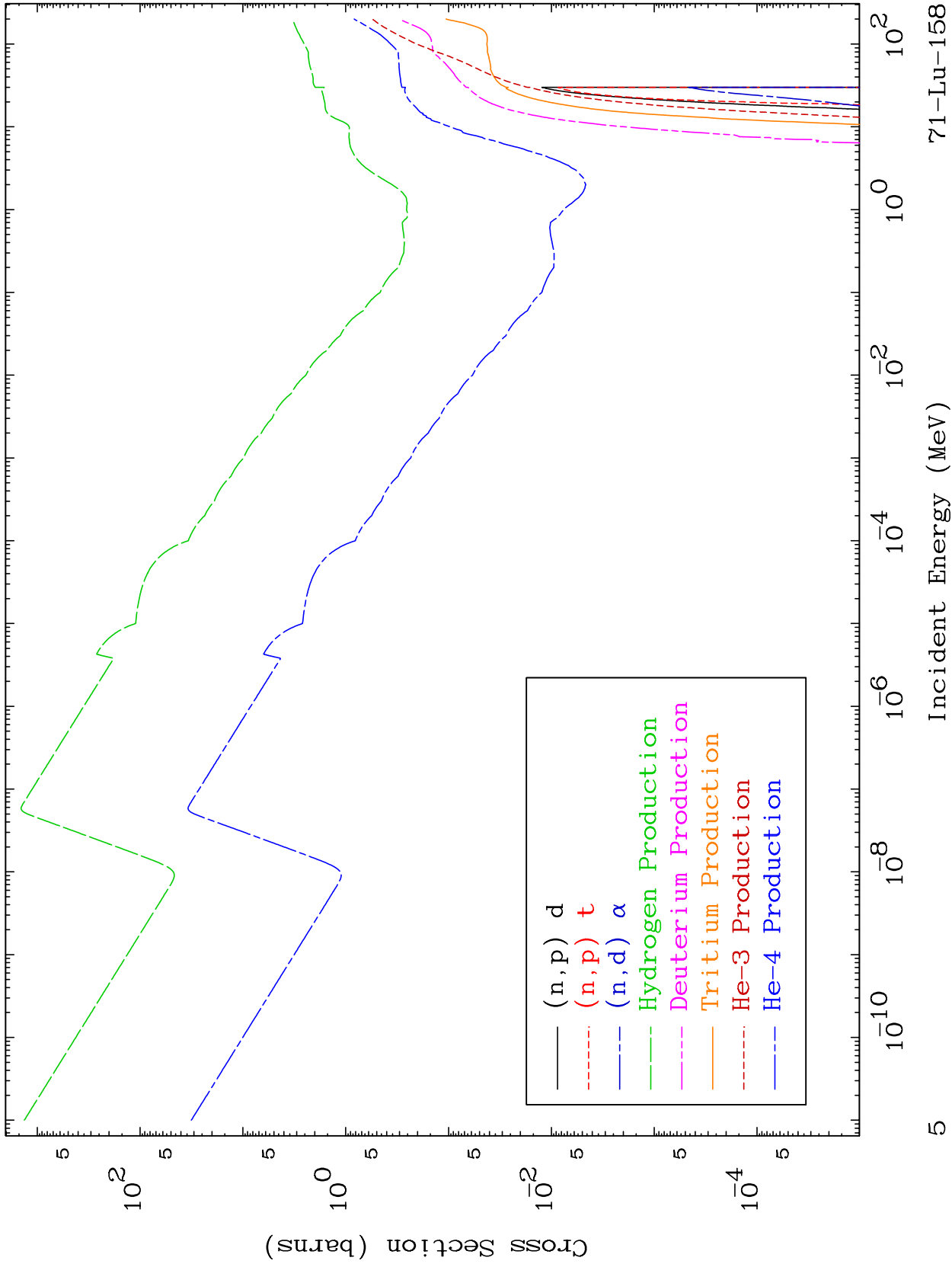


MAT 7074

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-158

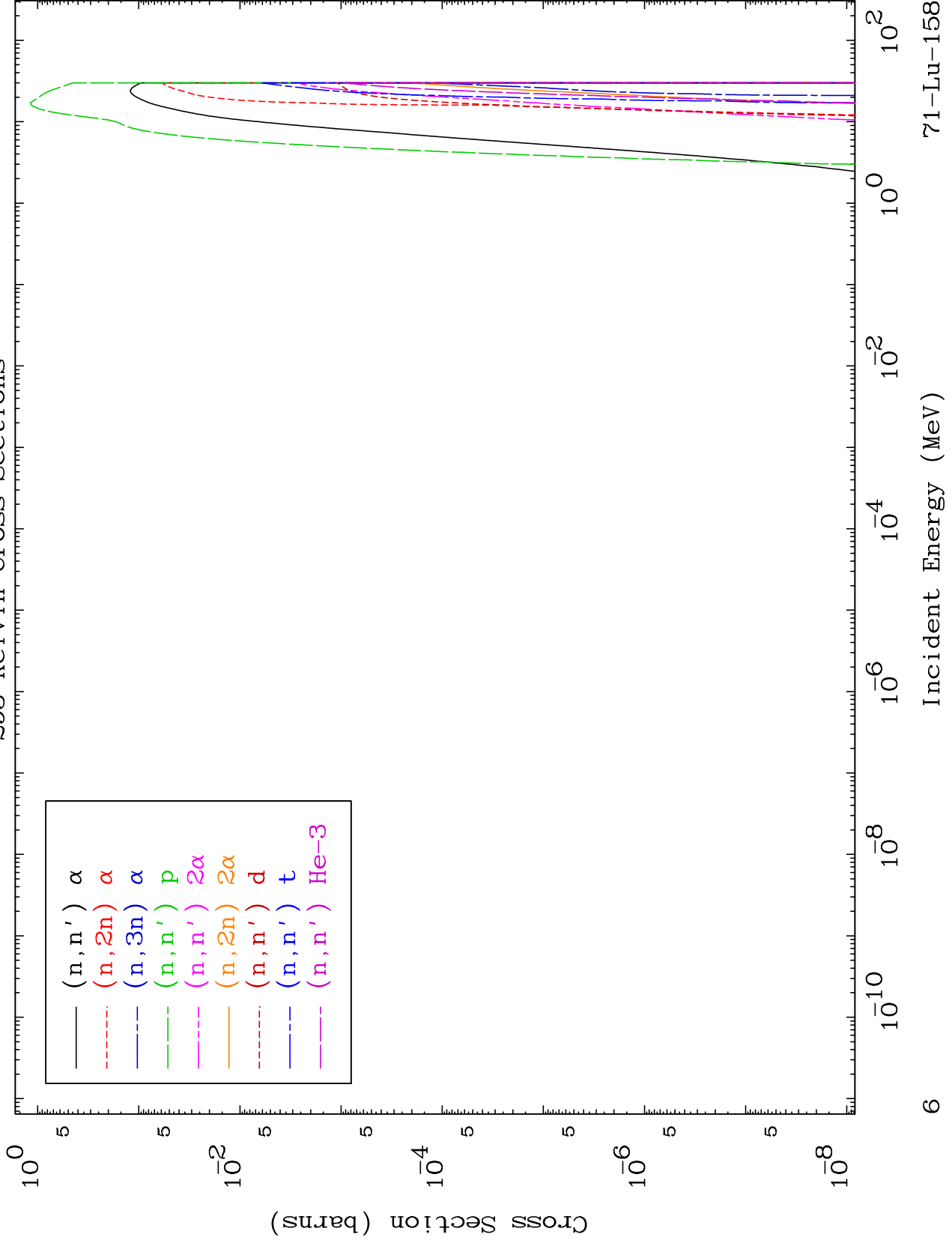




MAT 7074

Charged Particle
293 Kelvin Cross Sections

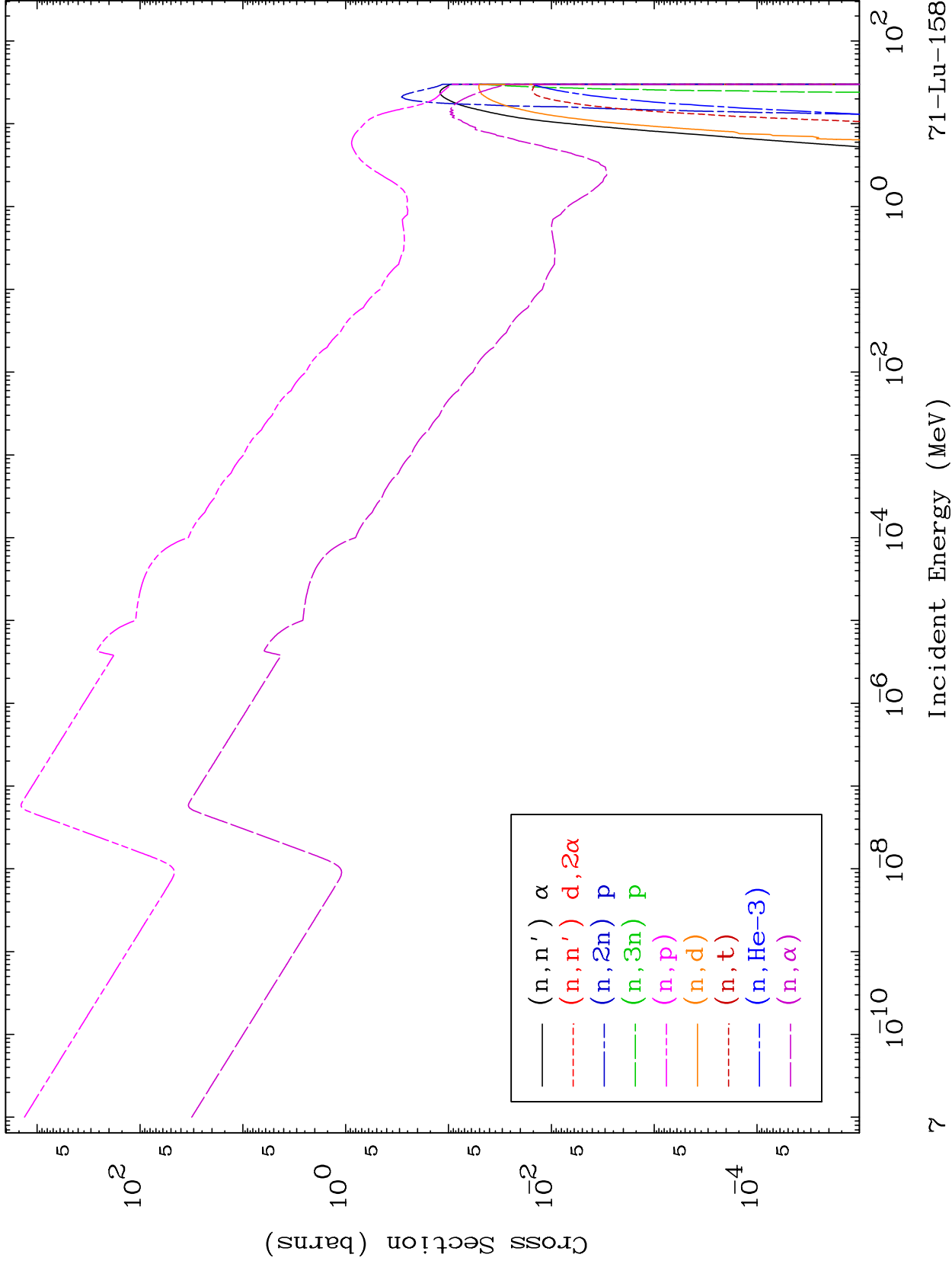
71-Lu-158



MAT 7074

Charged Particle
293 Kelvin Cross Sections

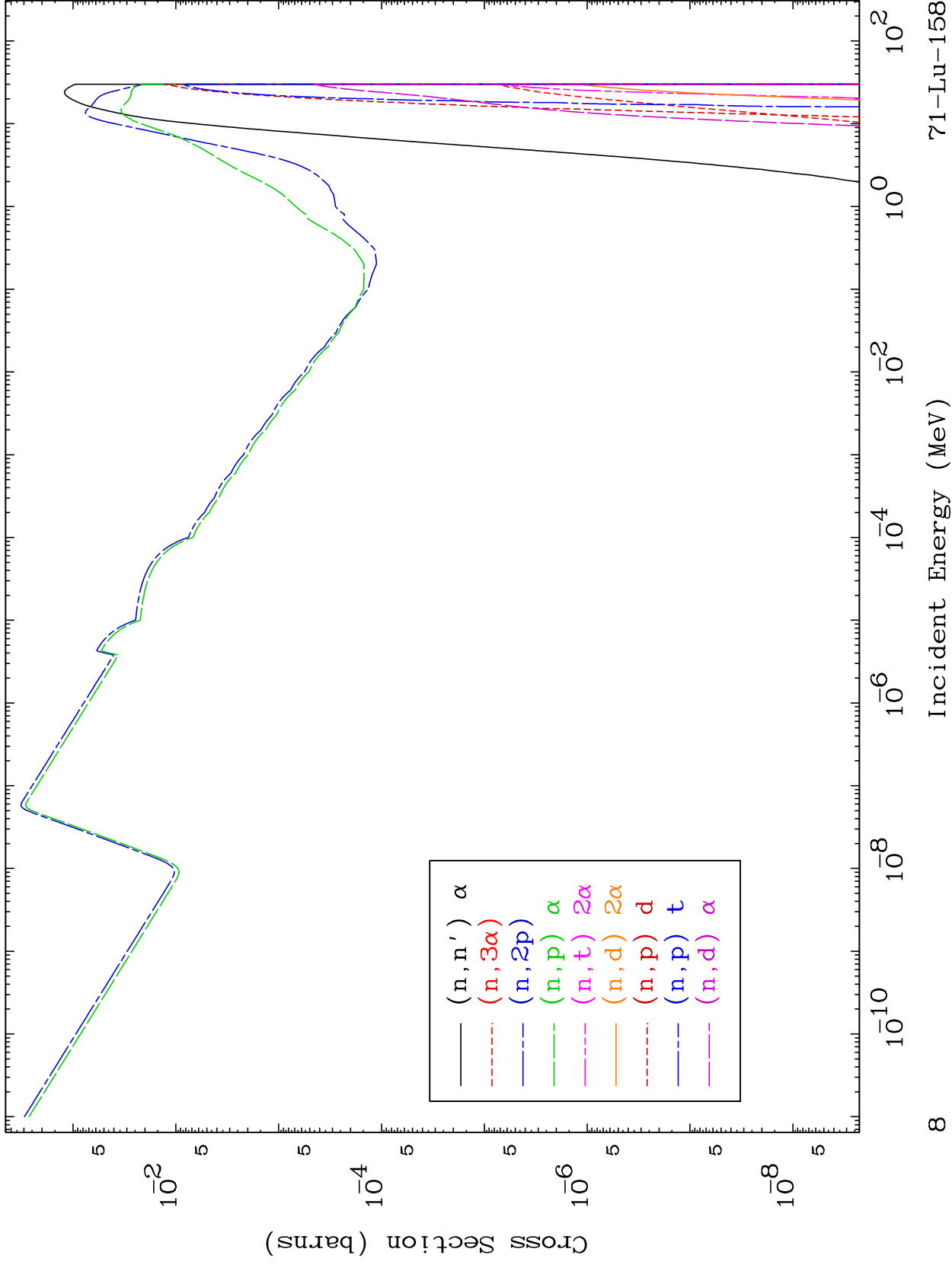
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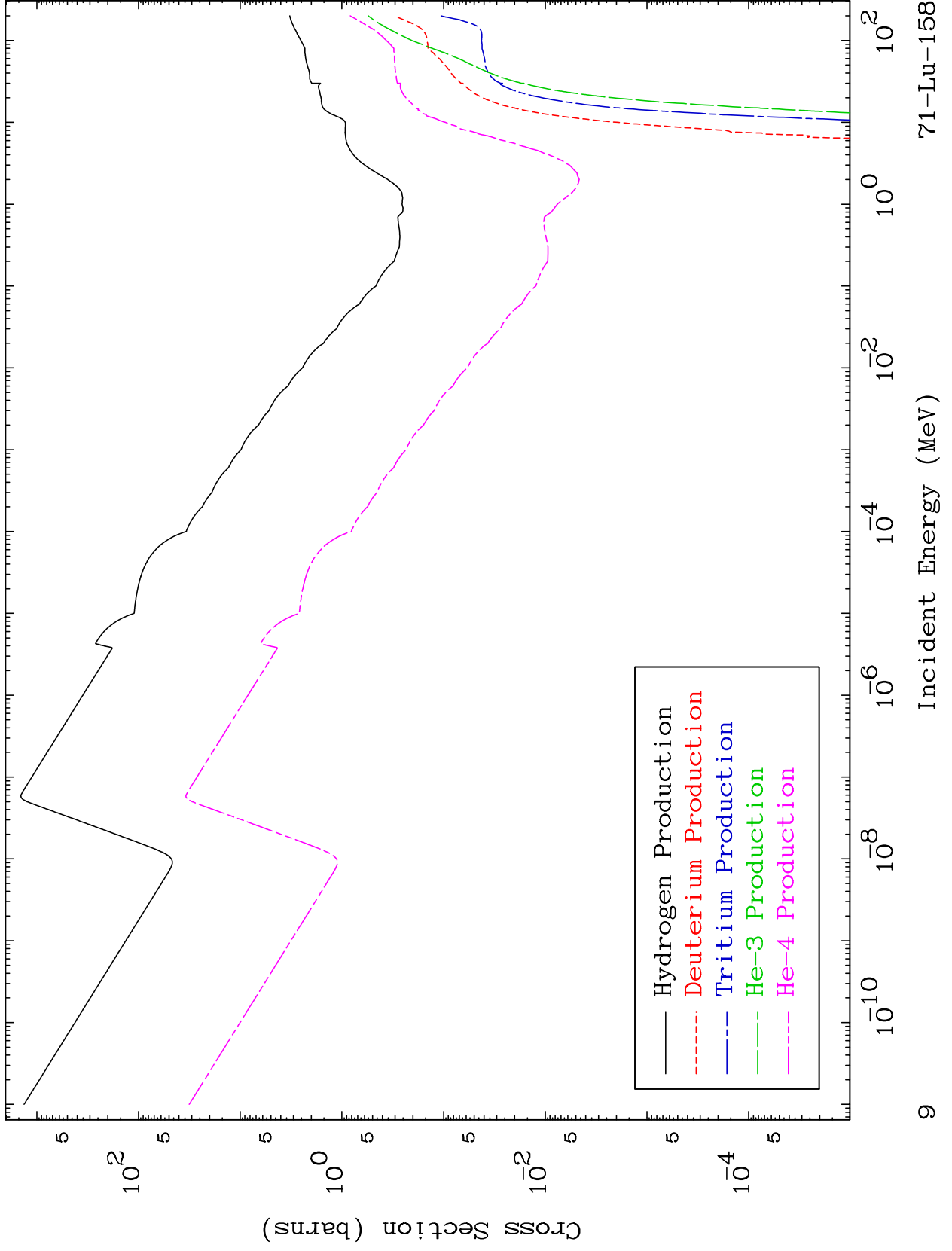


MAT 7074

Charged Particle
293 Kelvin Cross Sections

71-Lu-158

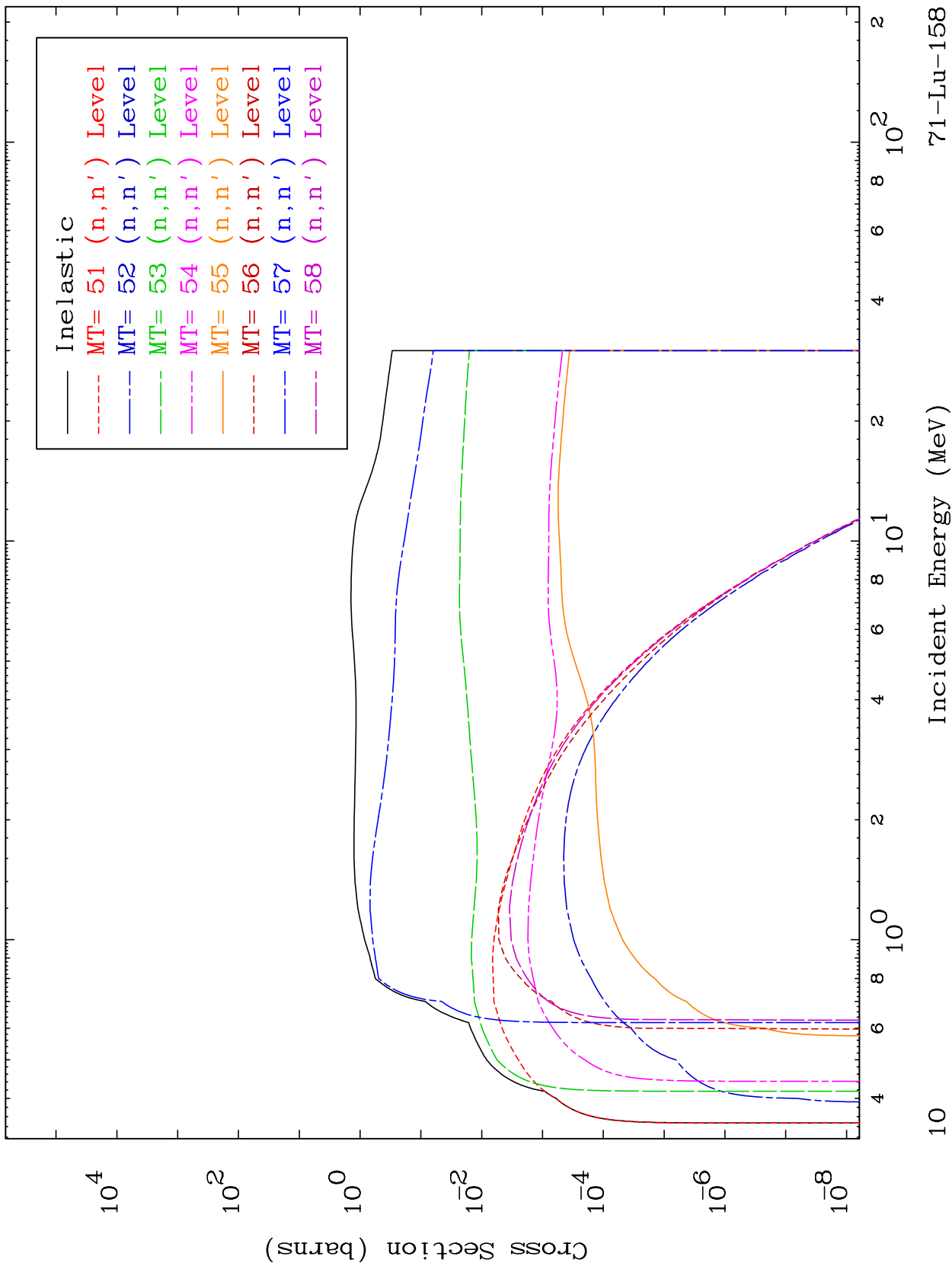




MAT 7074

(n,n') Levels
293 Kelvin Cross Sections

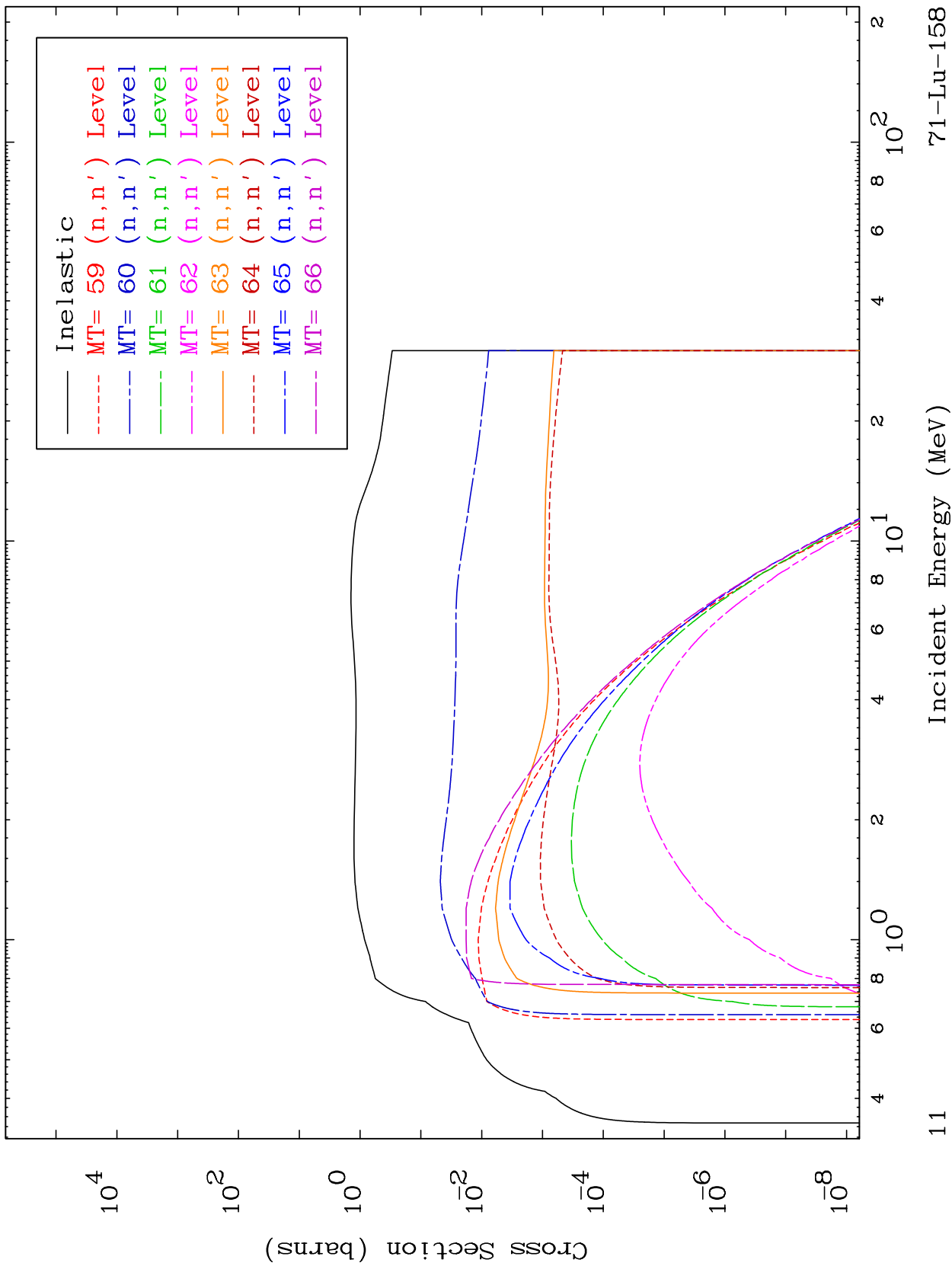
71-Lu-158



10

Incident Energy (MeV)

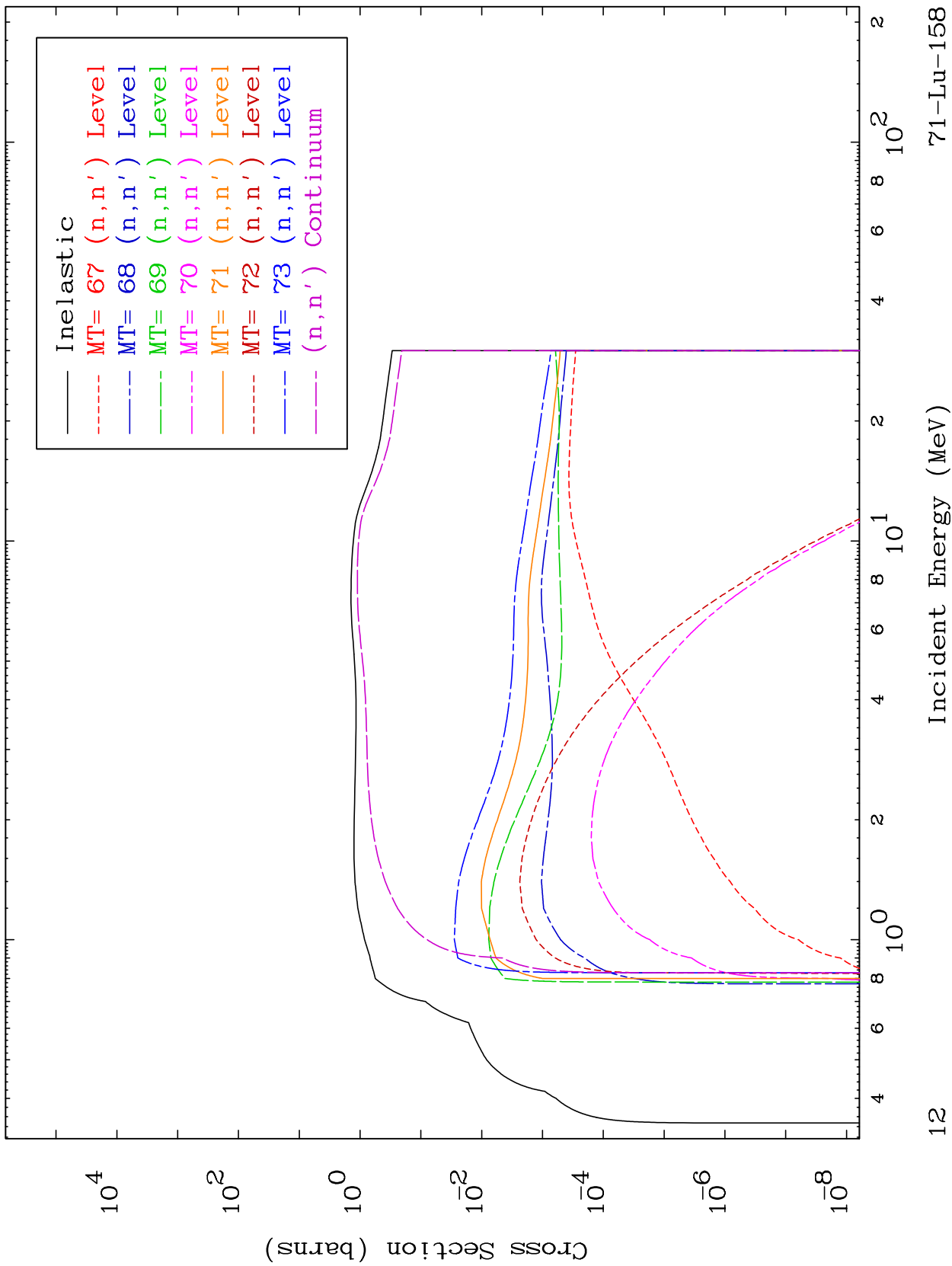
71-Lu-158



MAT 7074

(n,n') Levels
293 Kelvin Cross Sections

71-Lu-158



12

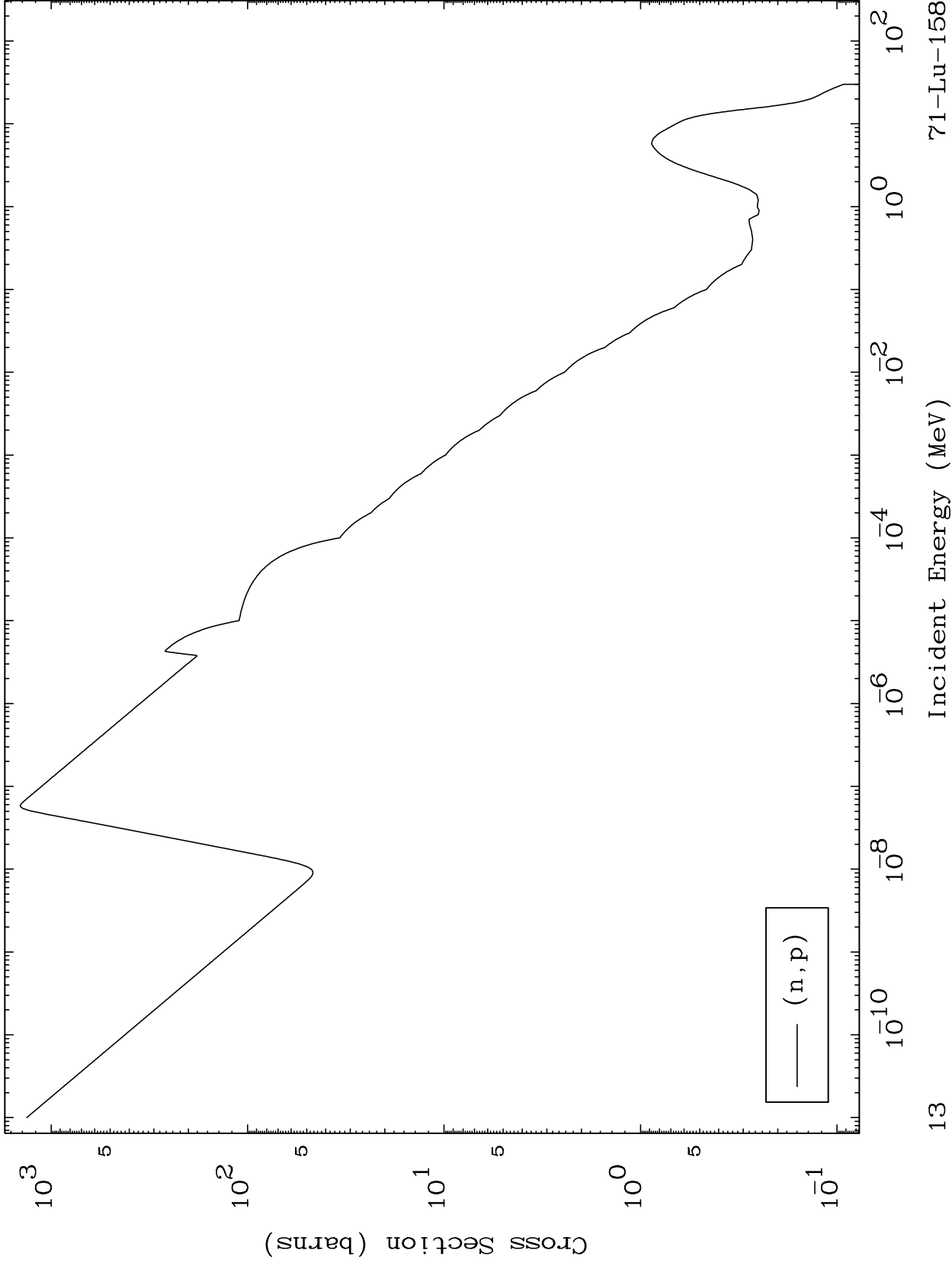
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,p) Levels
293 Kelvin Cross Sections

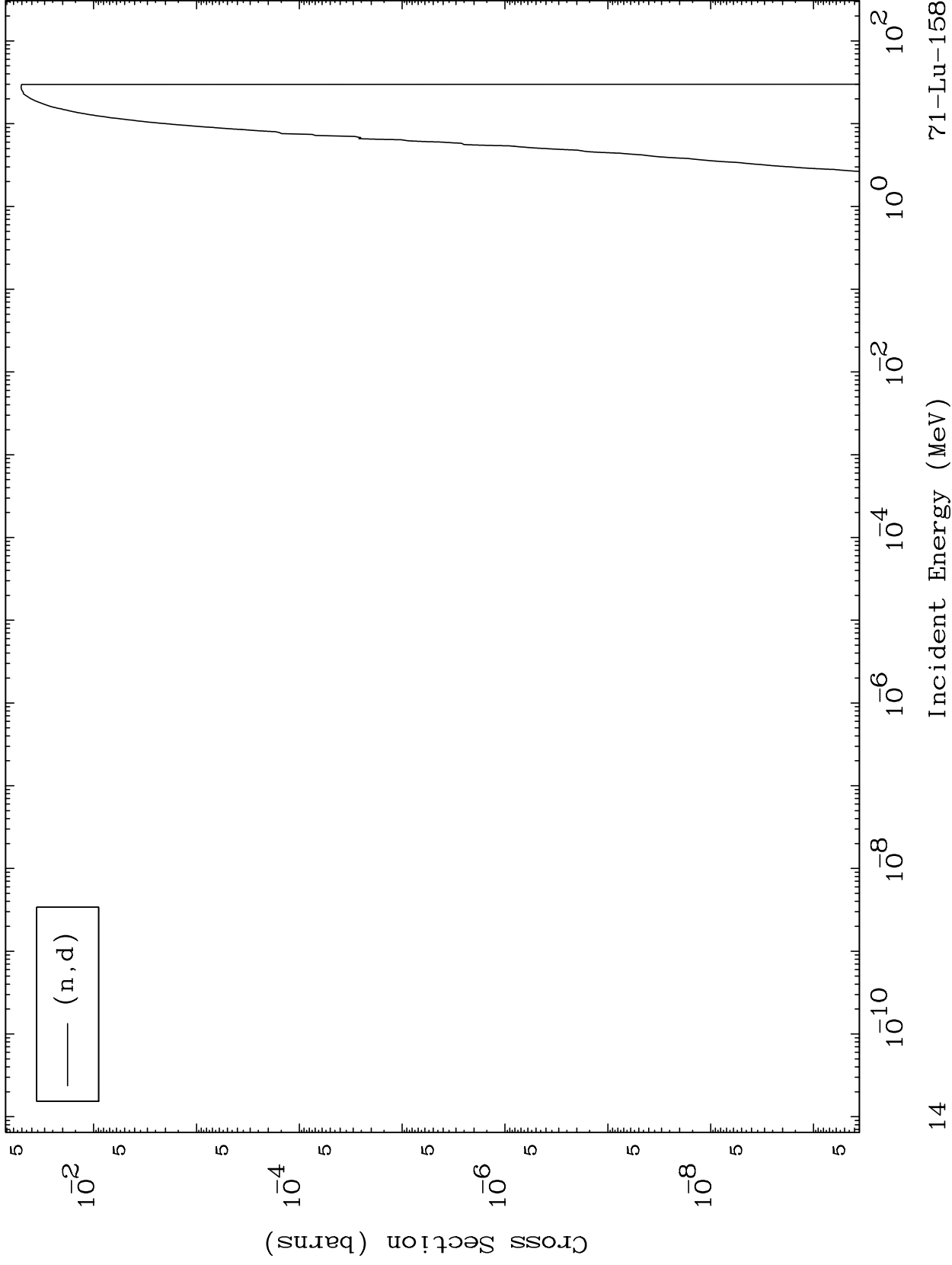
71-Lu-158



MAT 7074

(n,d) Levels
293 Kelvin Cross Sections

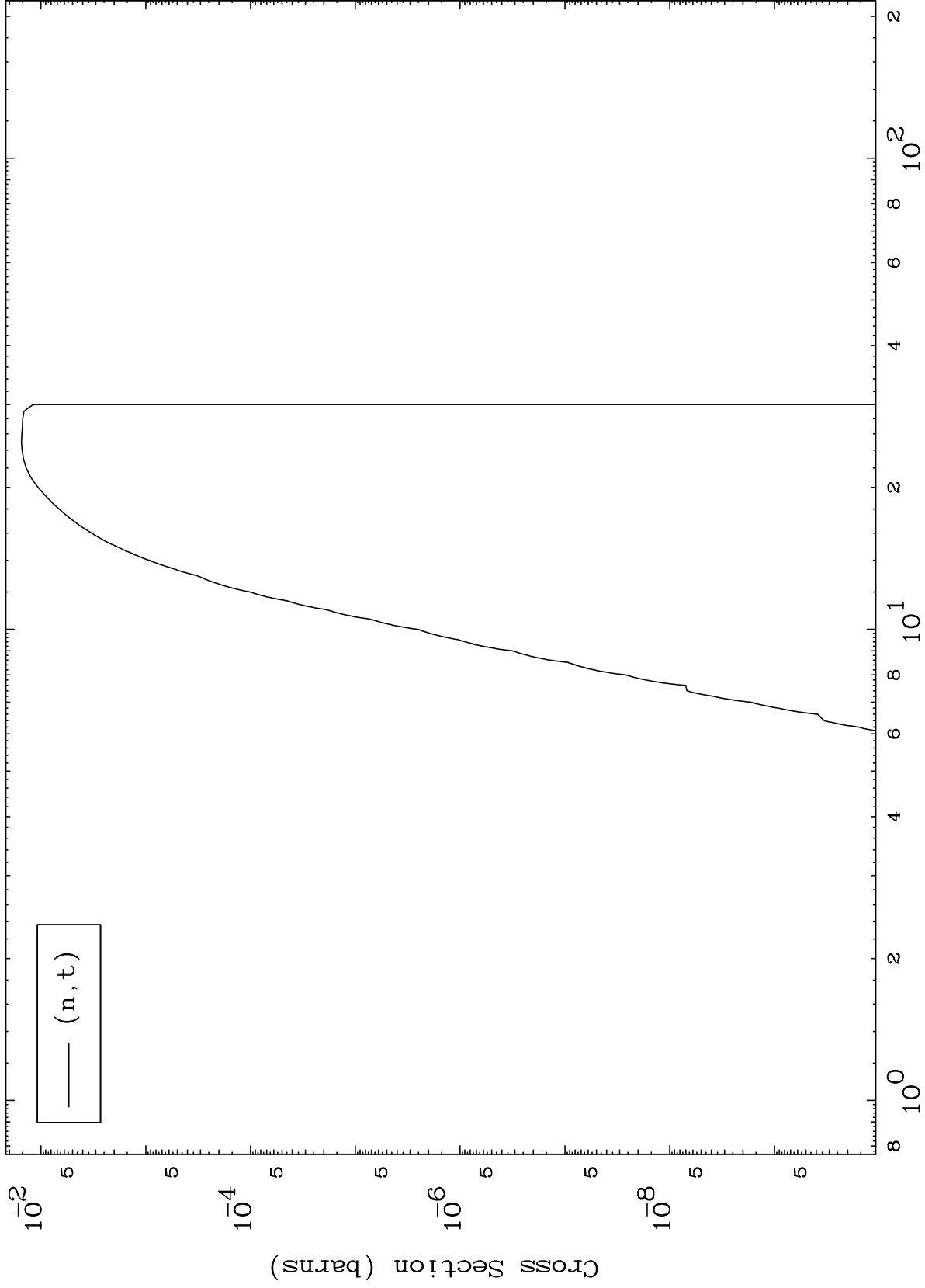
71-Lu-158



MAT 7074

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-158



15

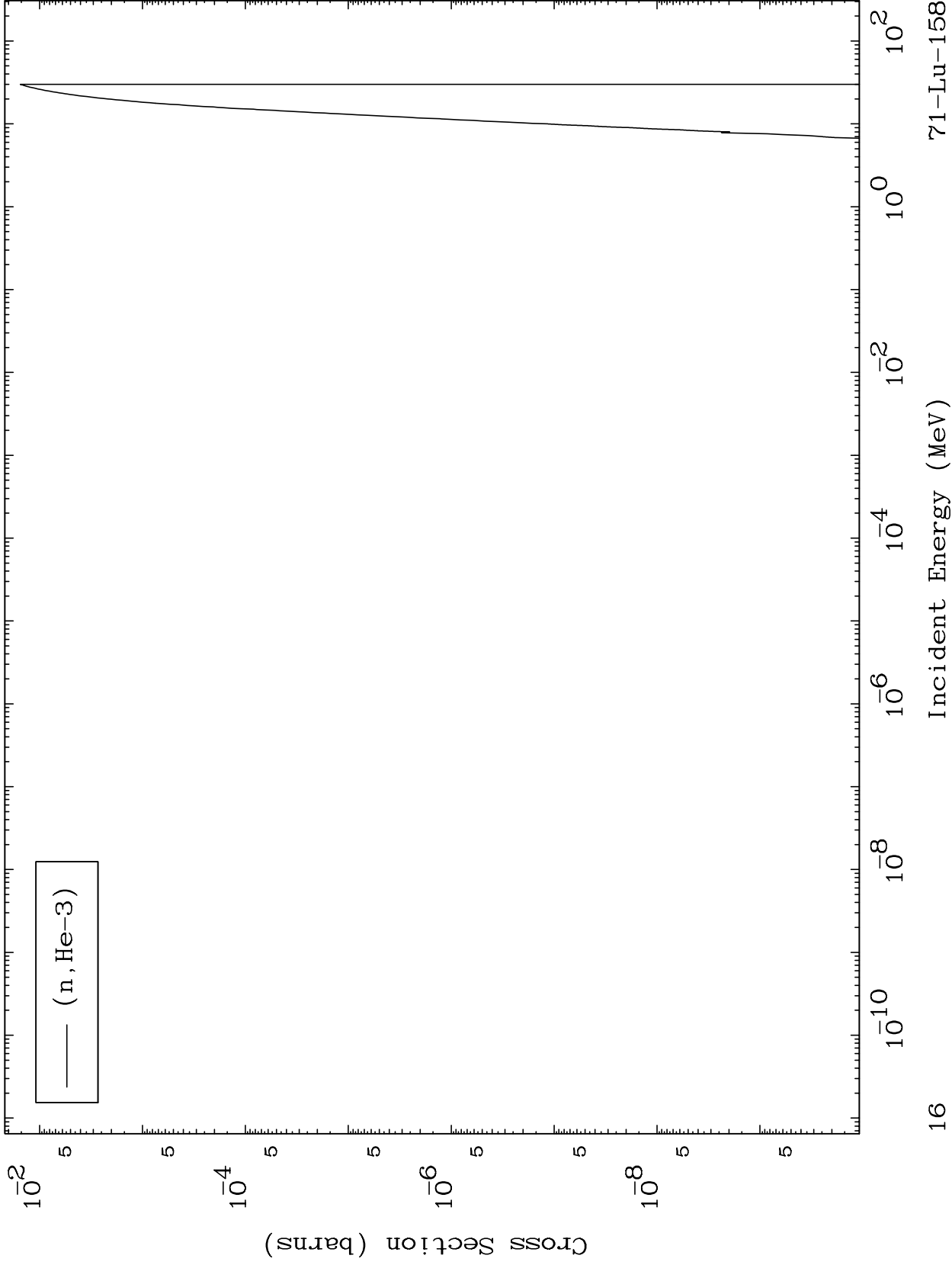
Incident Energy (MeV)

71-Lu-158

MAT 7074

(n,He3) Levels
293 Kelvin Cross Sections

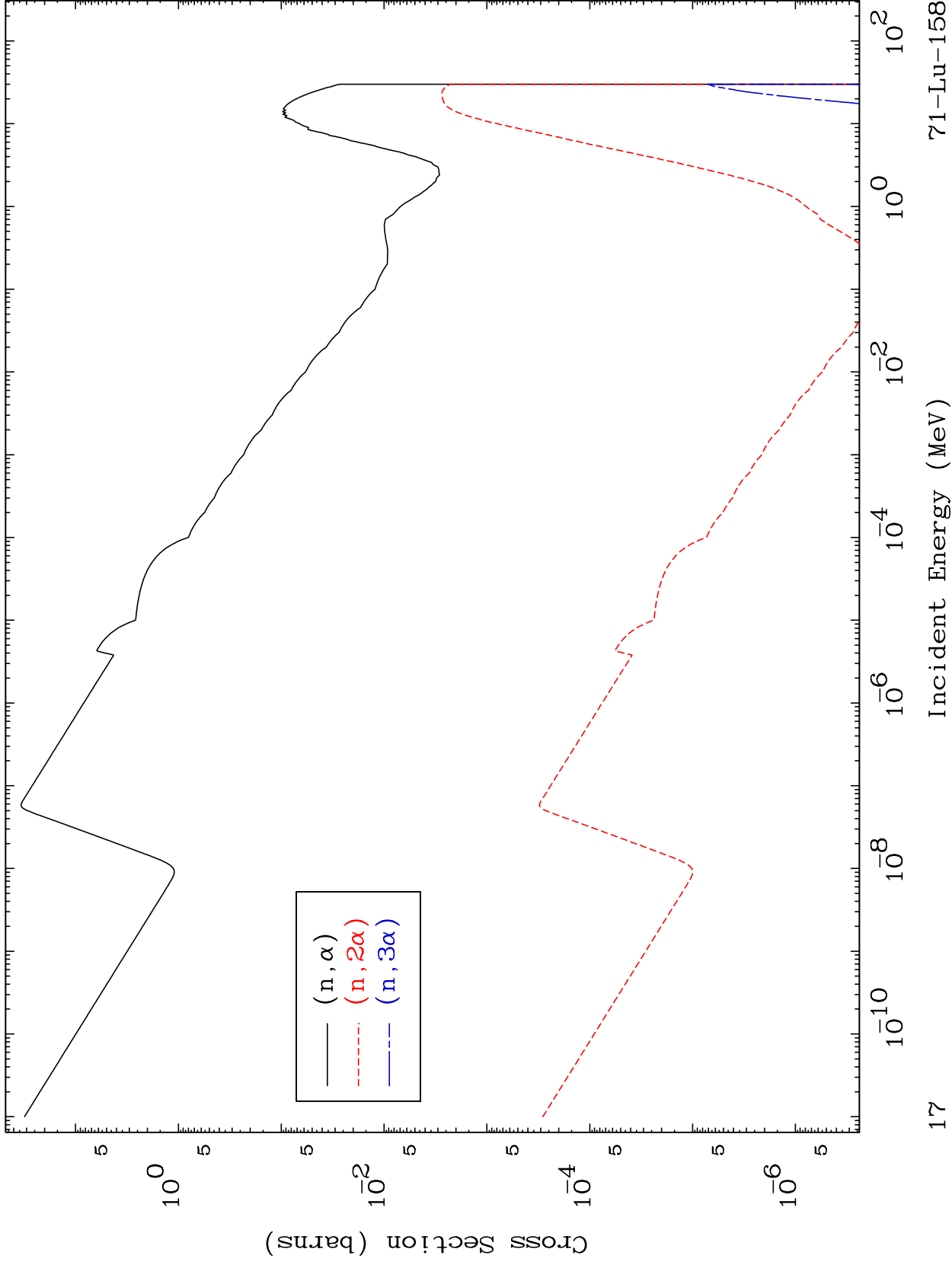
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MAT 7074

(n, α) Levels
293 Kelvin Cross Sections

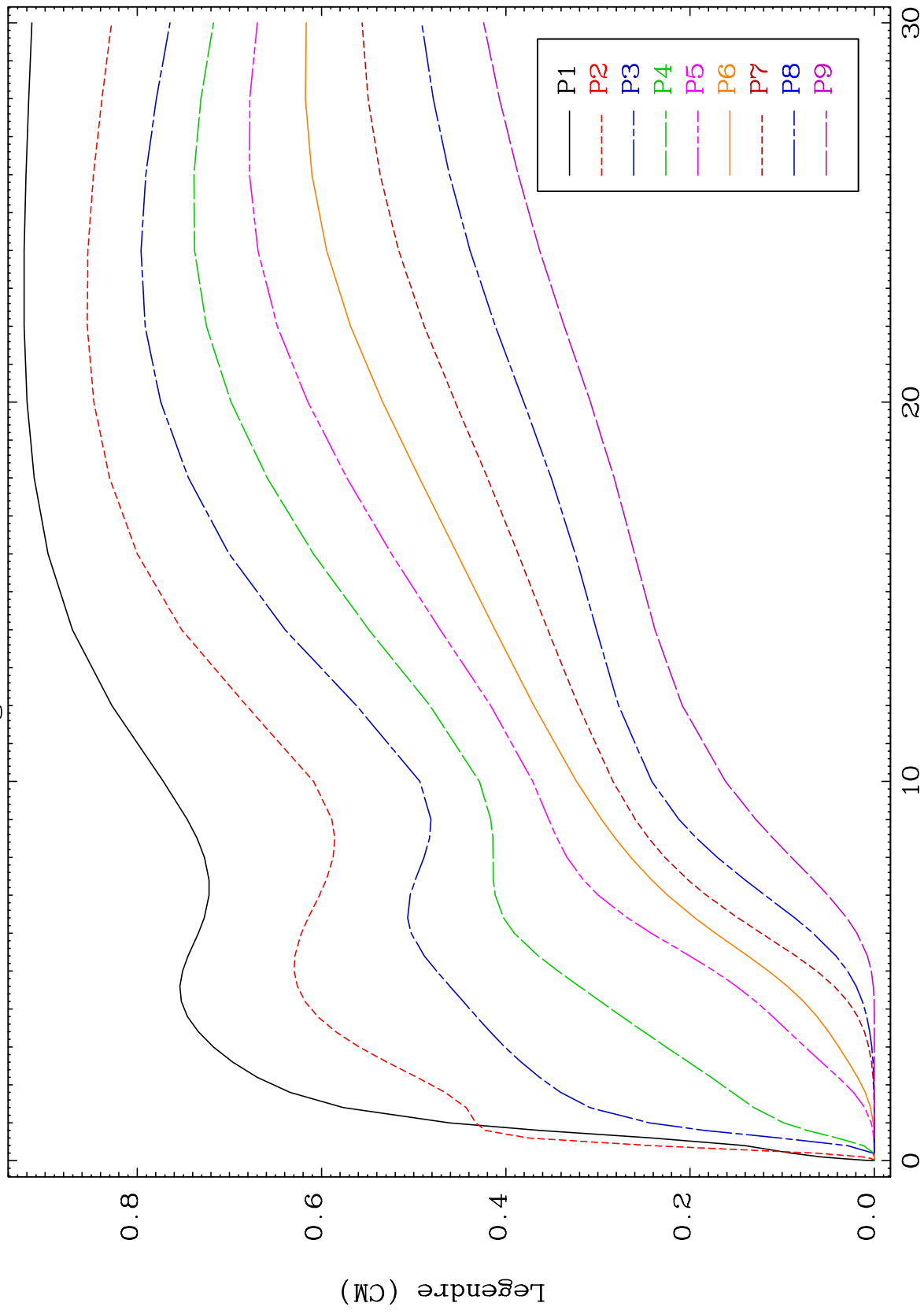
71-Lu-158



MAT 7074

Elastic Legendre Coefficients

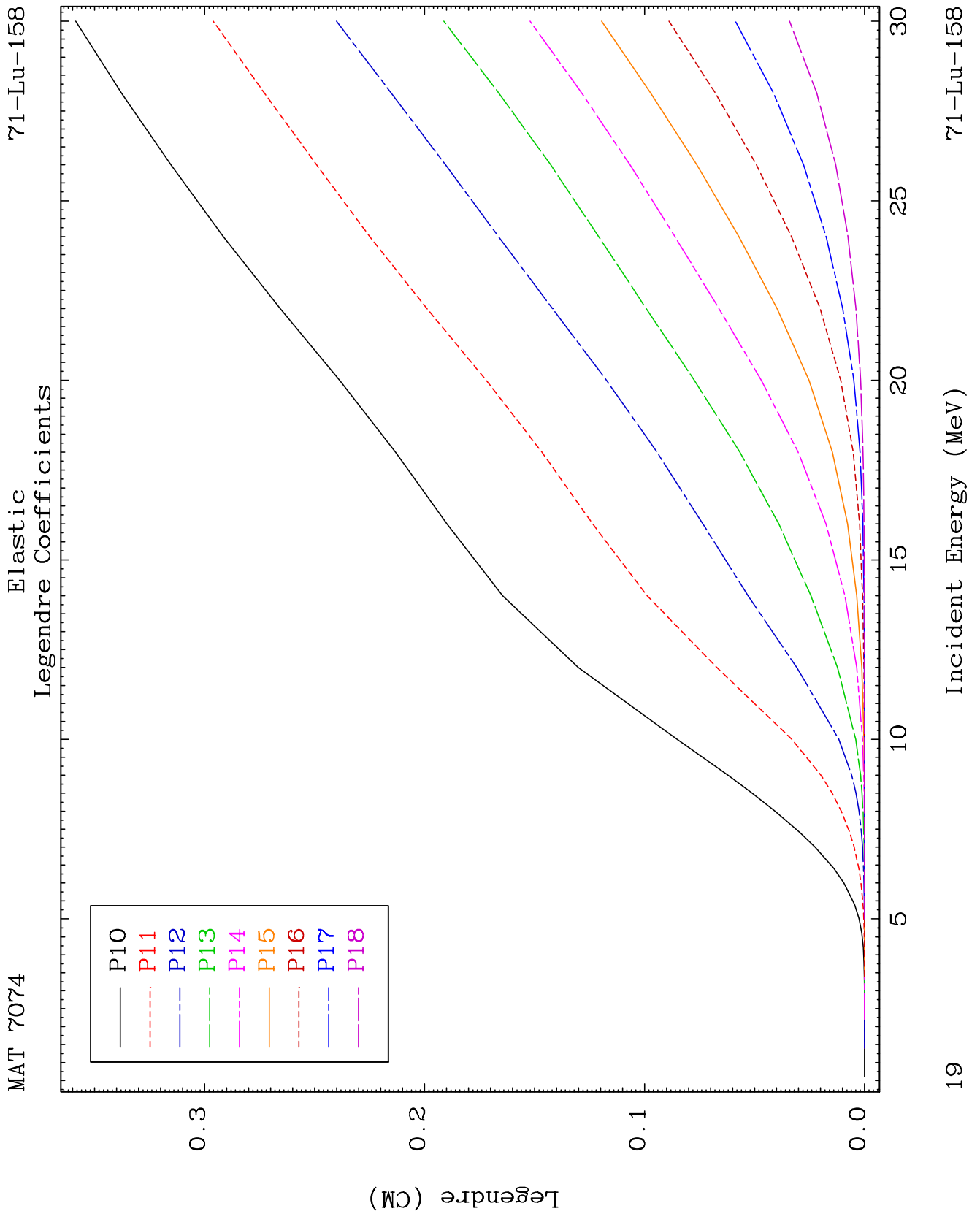
71-Lu-158



18

Incident Energy (MeV)

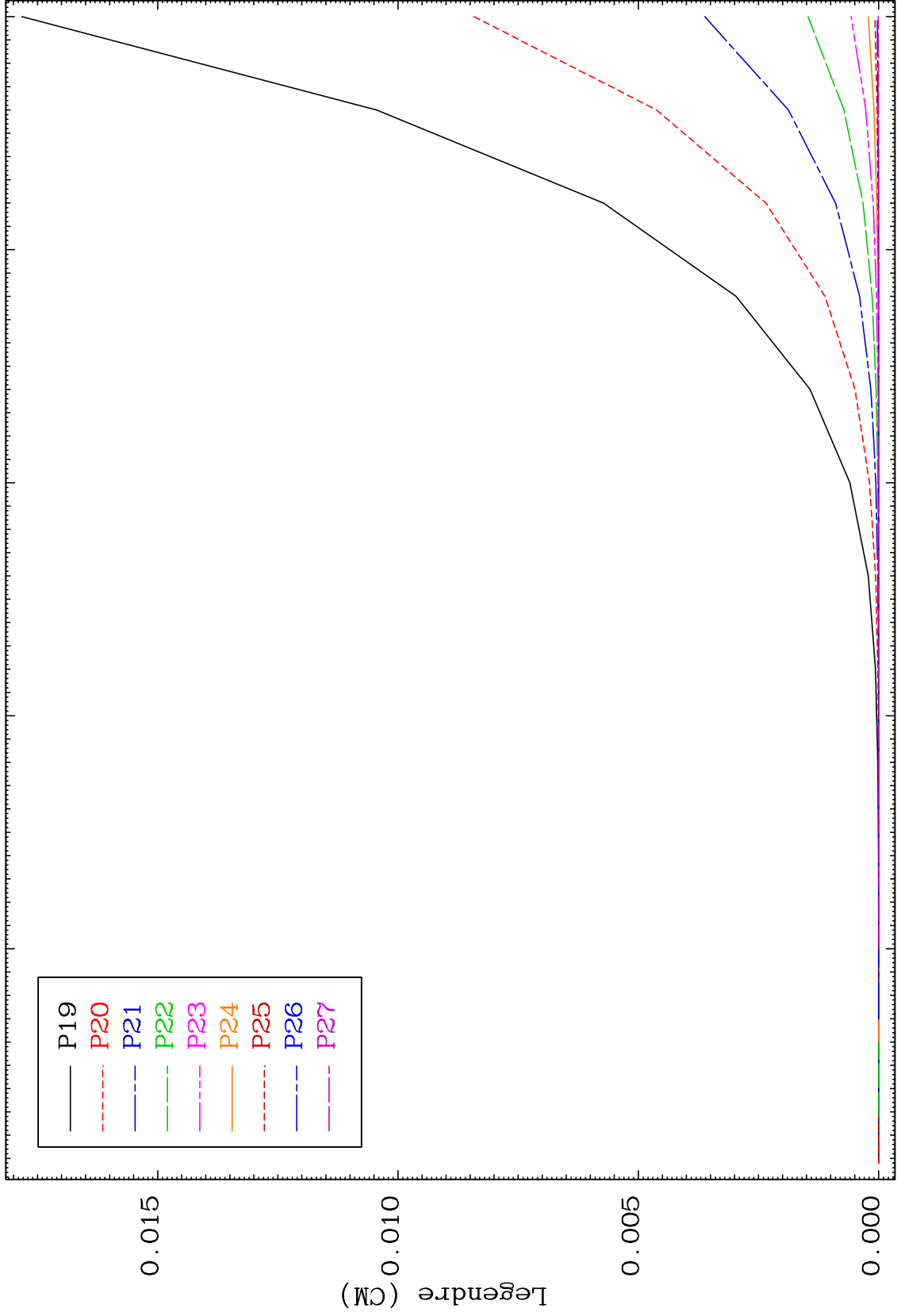
71-Lu-158



MAT 7074

Elastic Legendre Coefficients

71-Lu-158



20

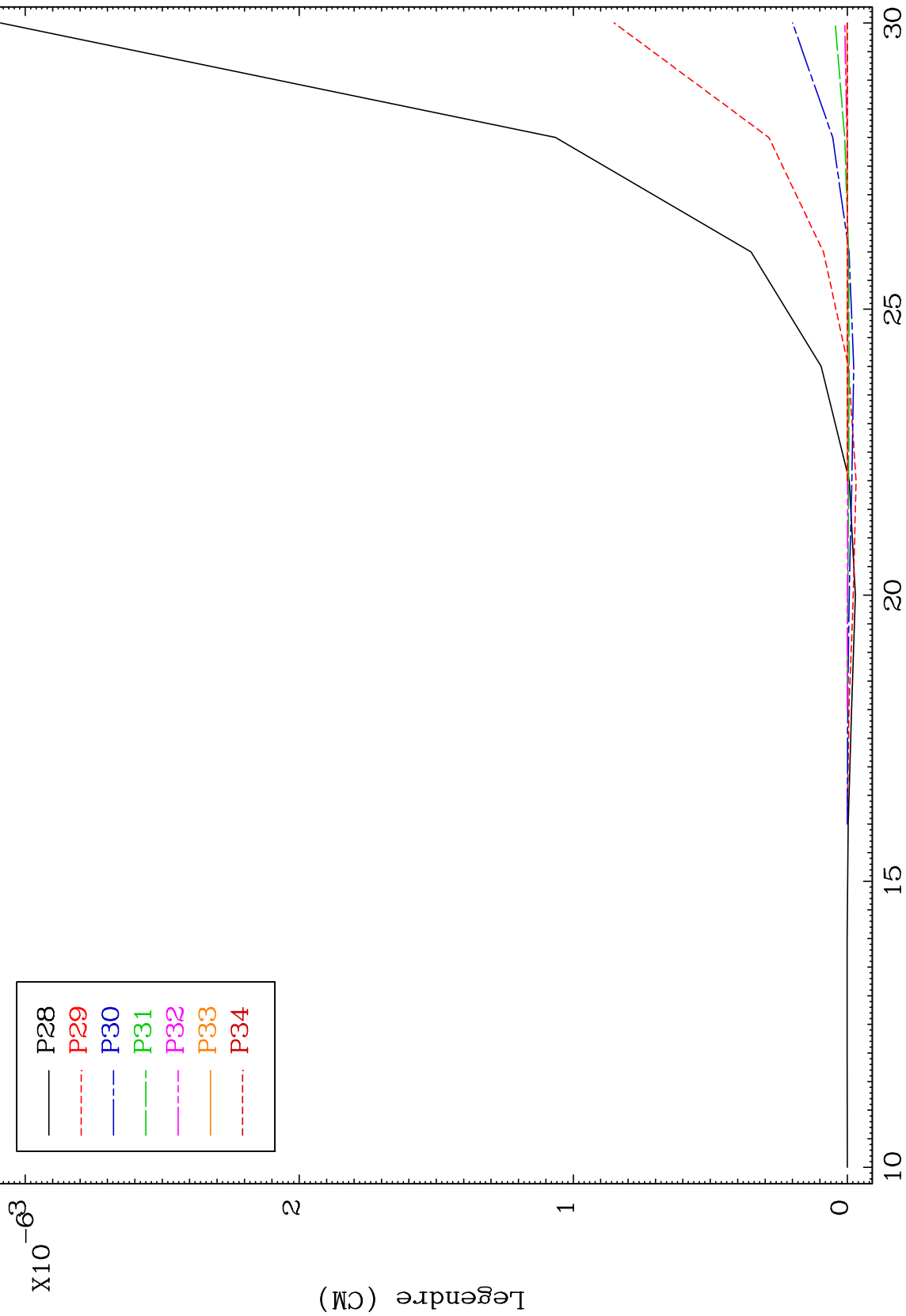
Incident Energy (MeV)

71-Lu-158

MAT 7074

Elastic Legendre Coefficients

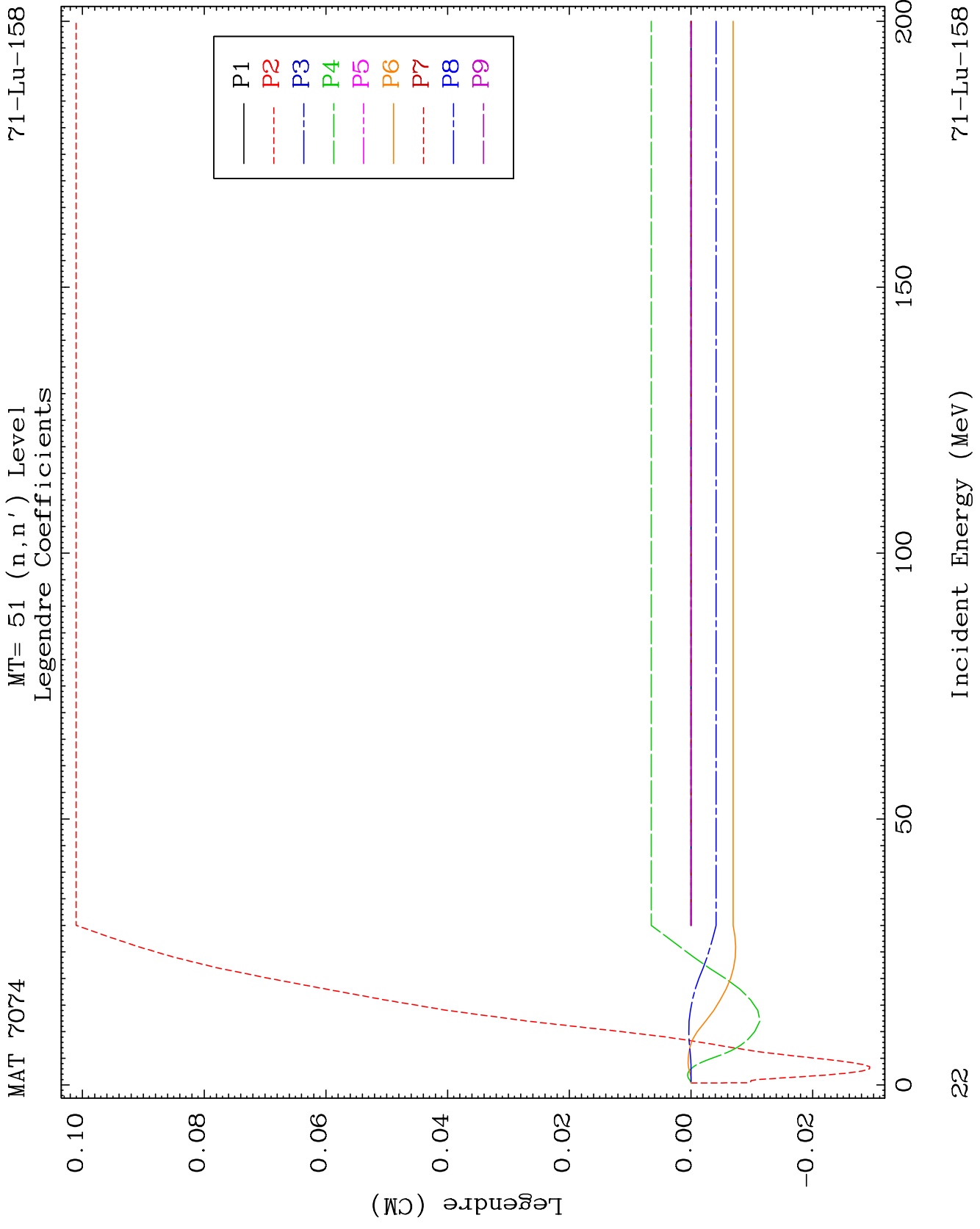
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21

Incident Energy (MeV)

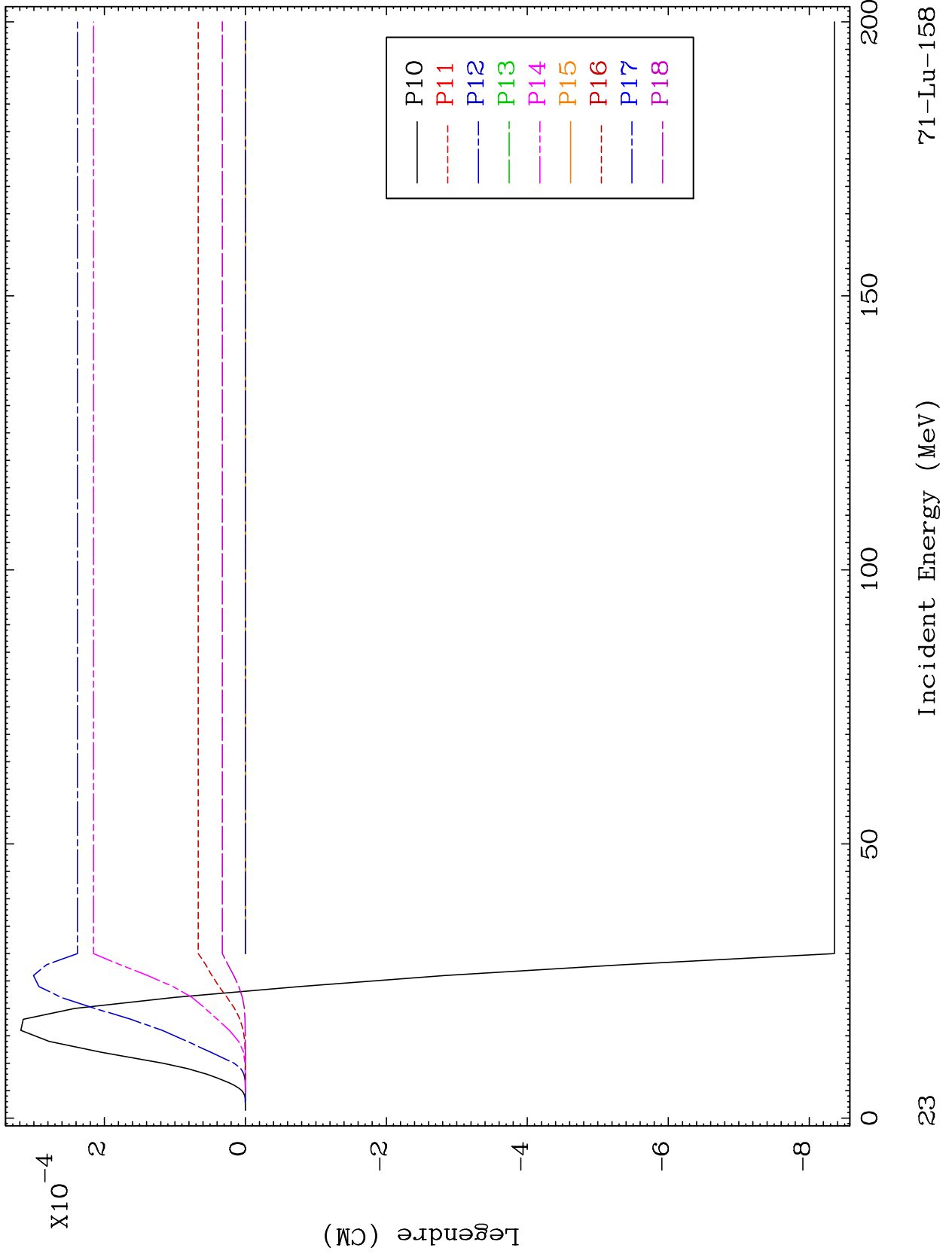
71-Lu-158



MAT 7074

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

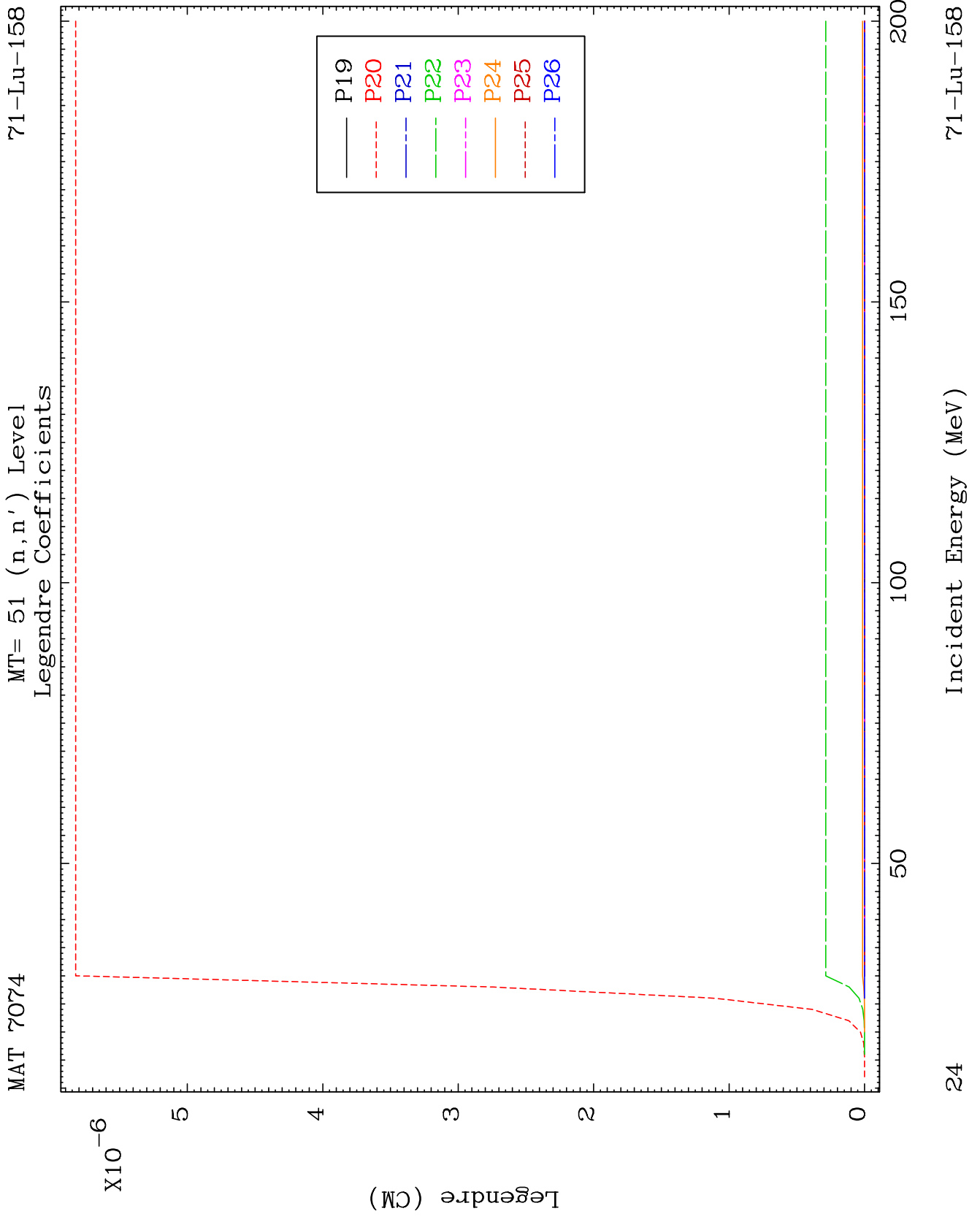
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23

Incident Energy (MeV)

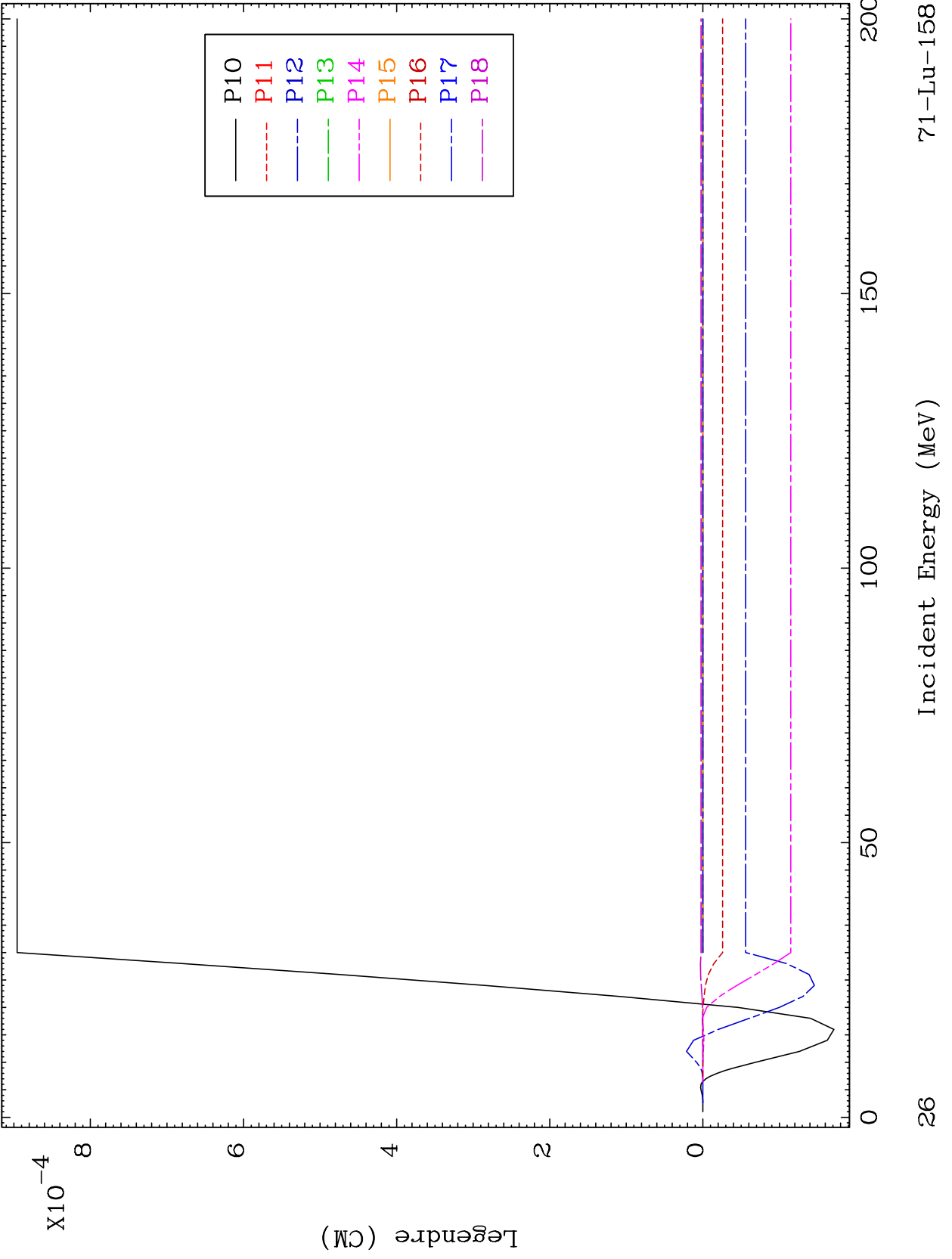
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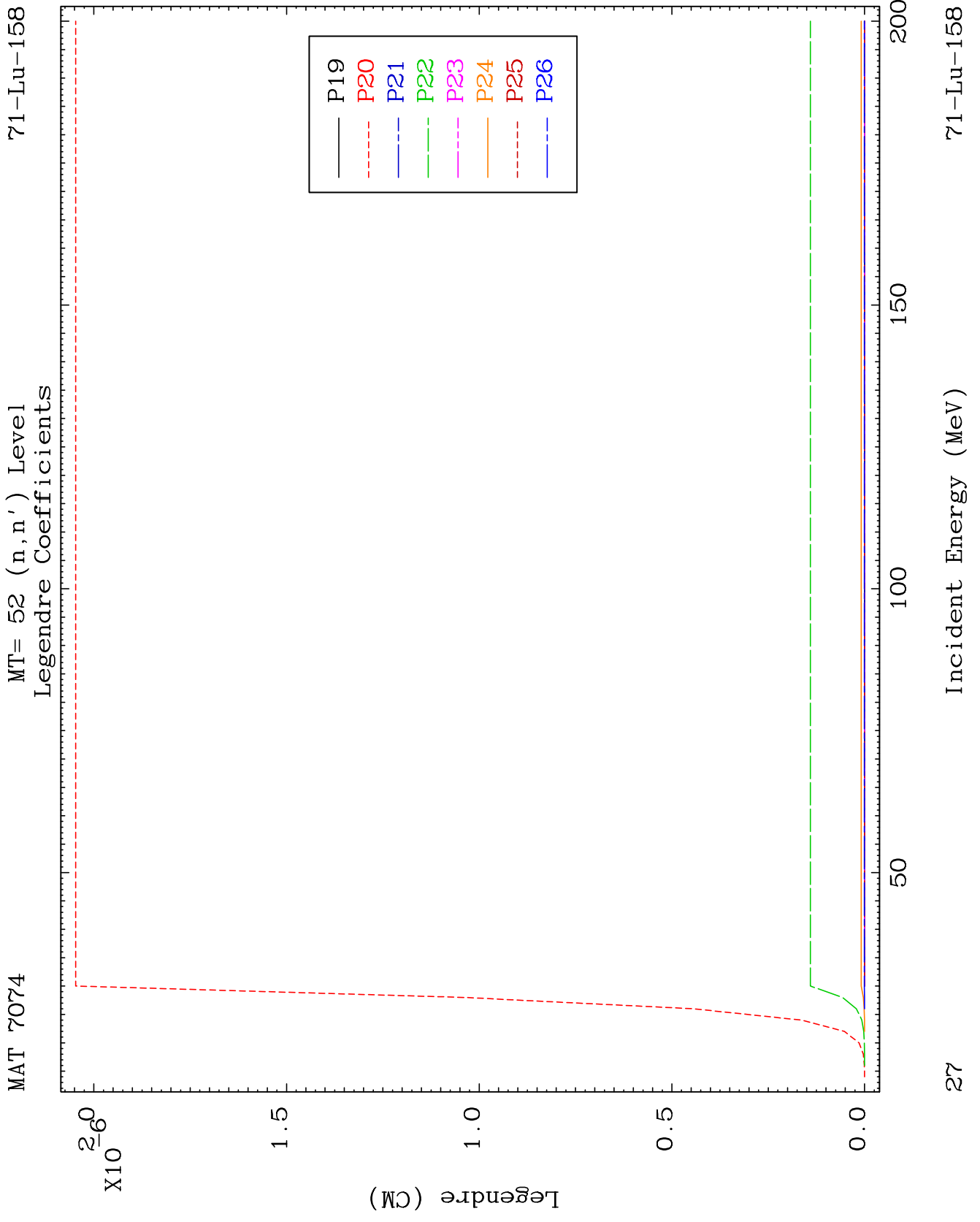


MAT 7074

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

71-Lu-158

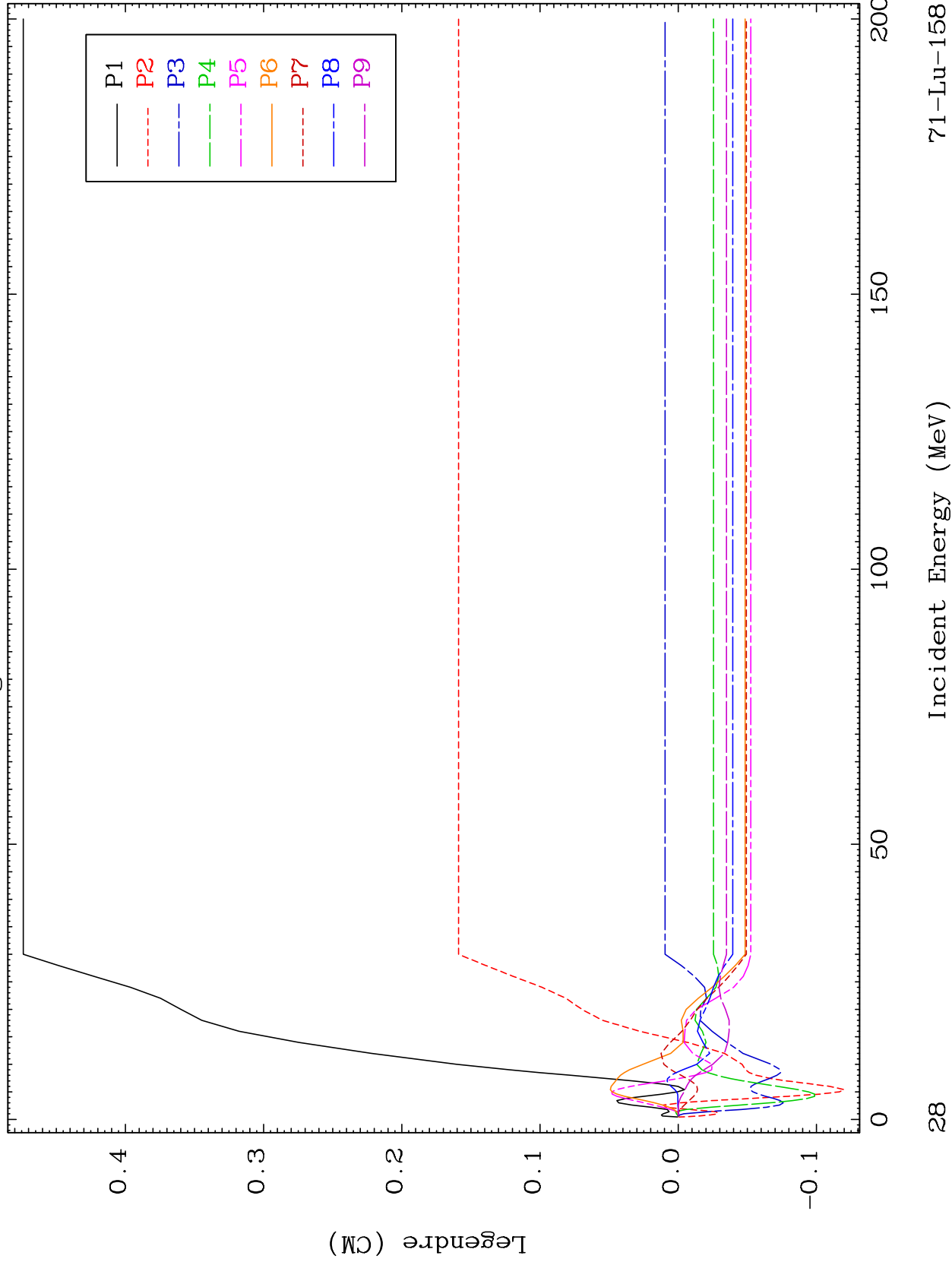




MAT 7074

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

71-Lu-158



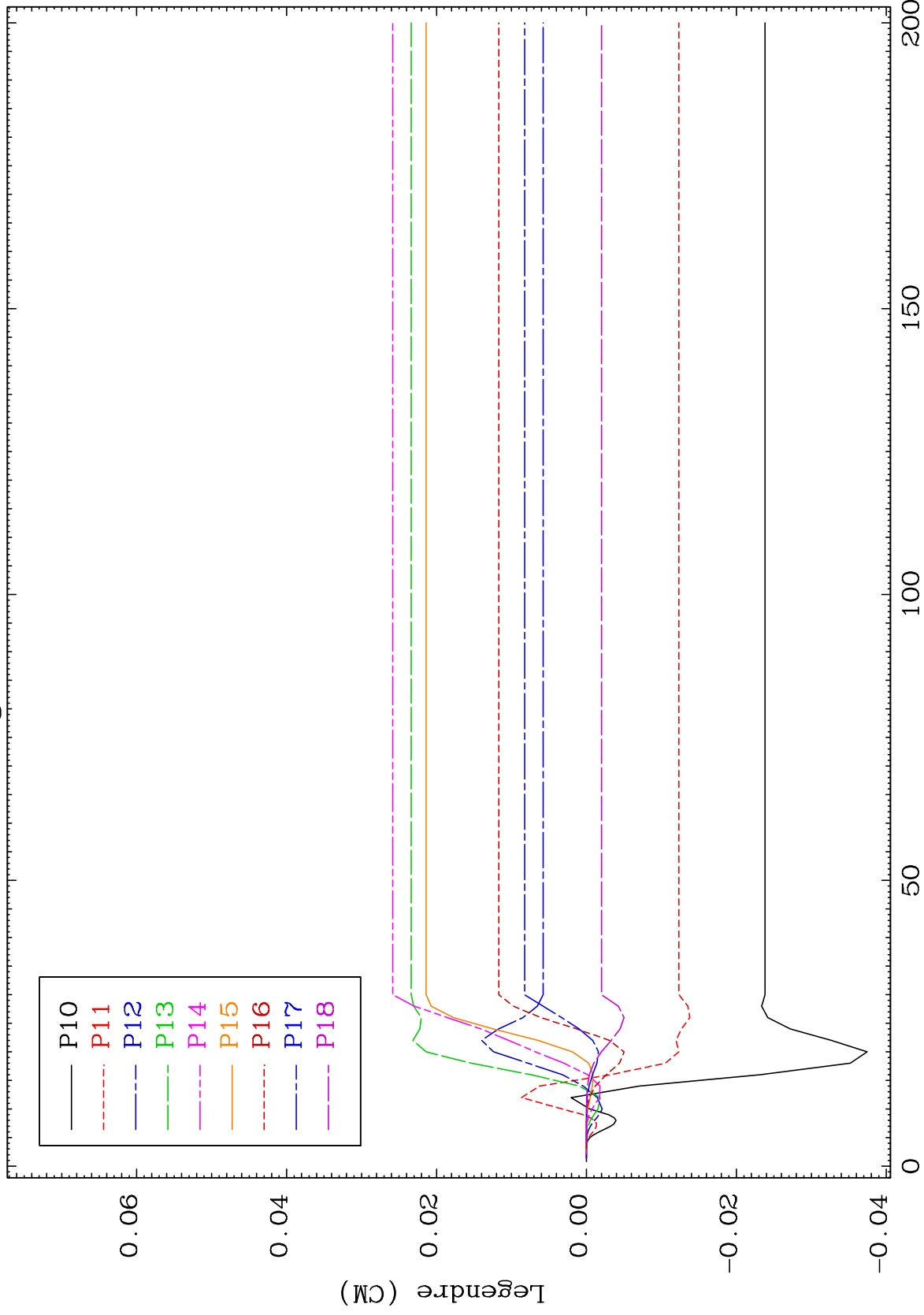
28

71-Lu-158

MAT 7074

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

71-Lu-158



29

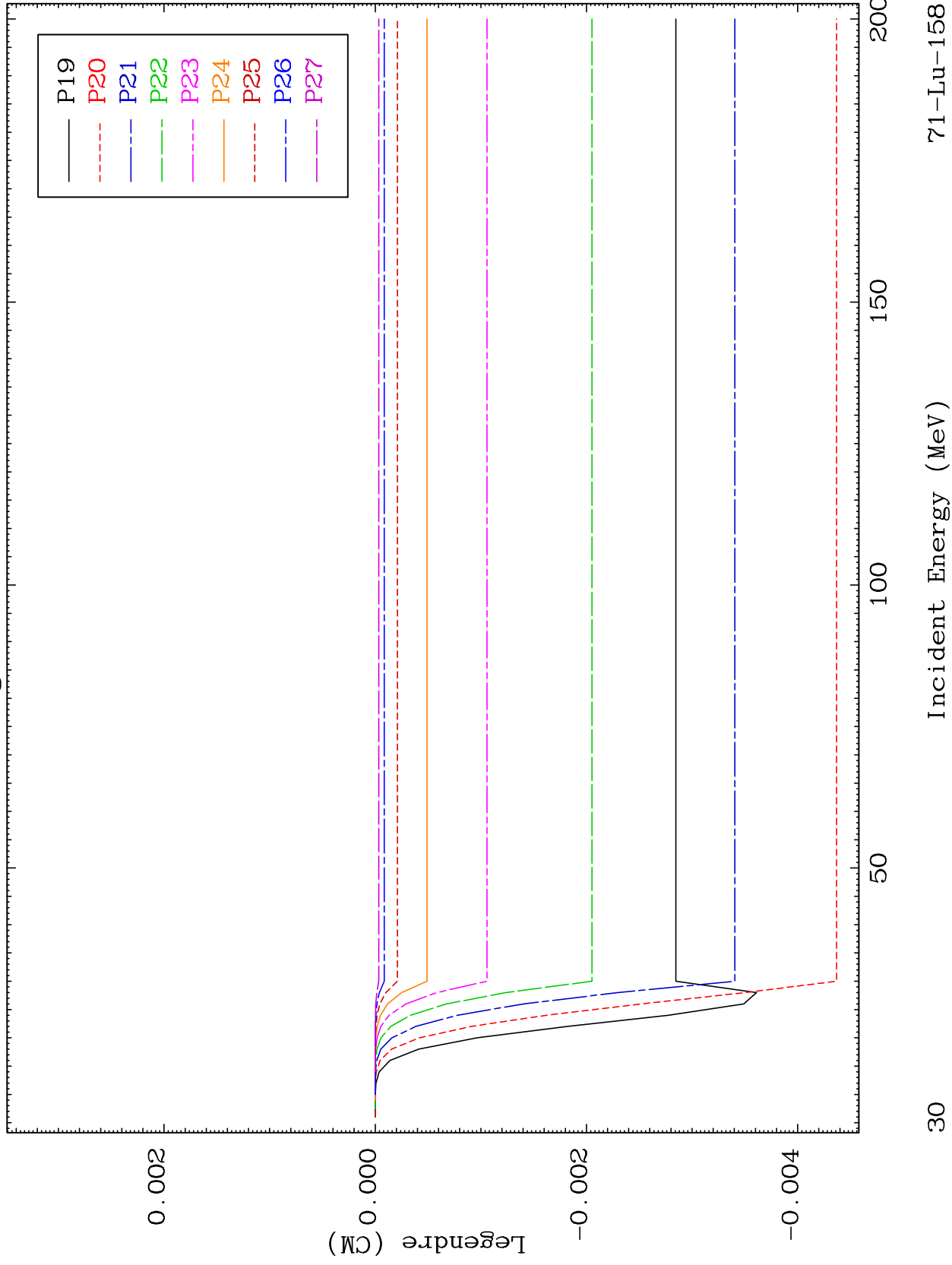
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

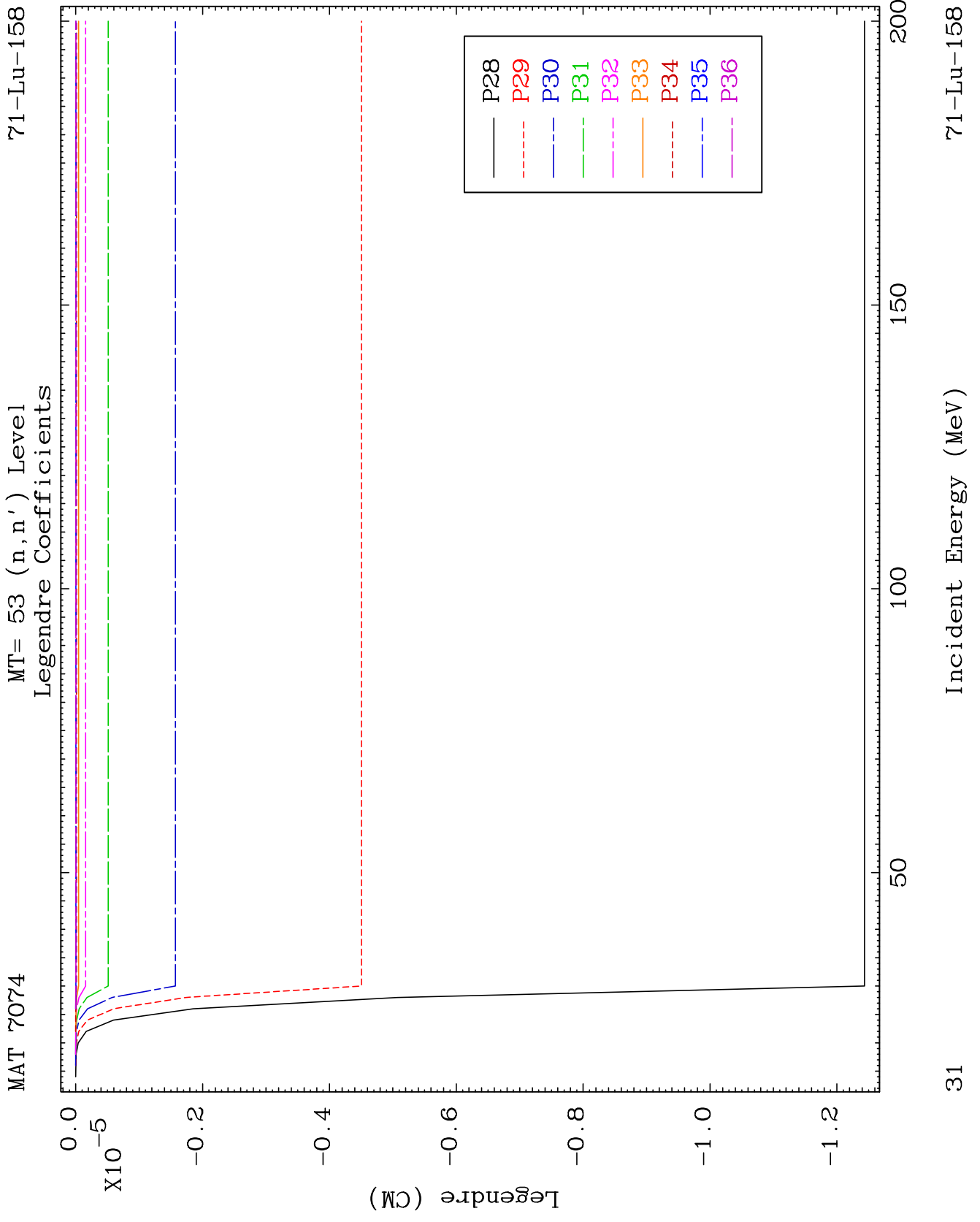
71-Lu-158



30

Incident Energy (MeV)

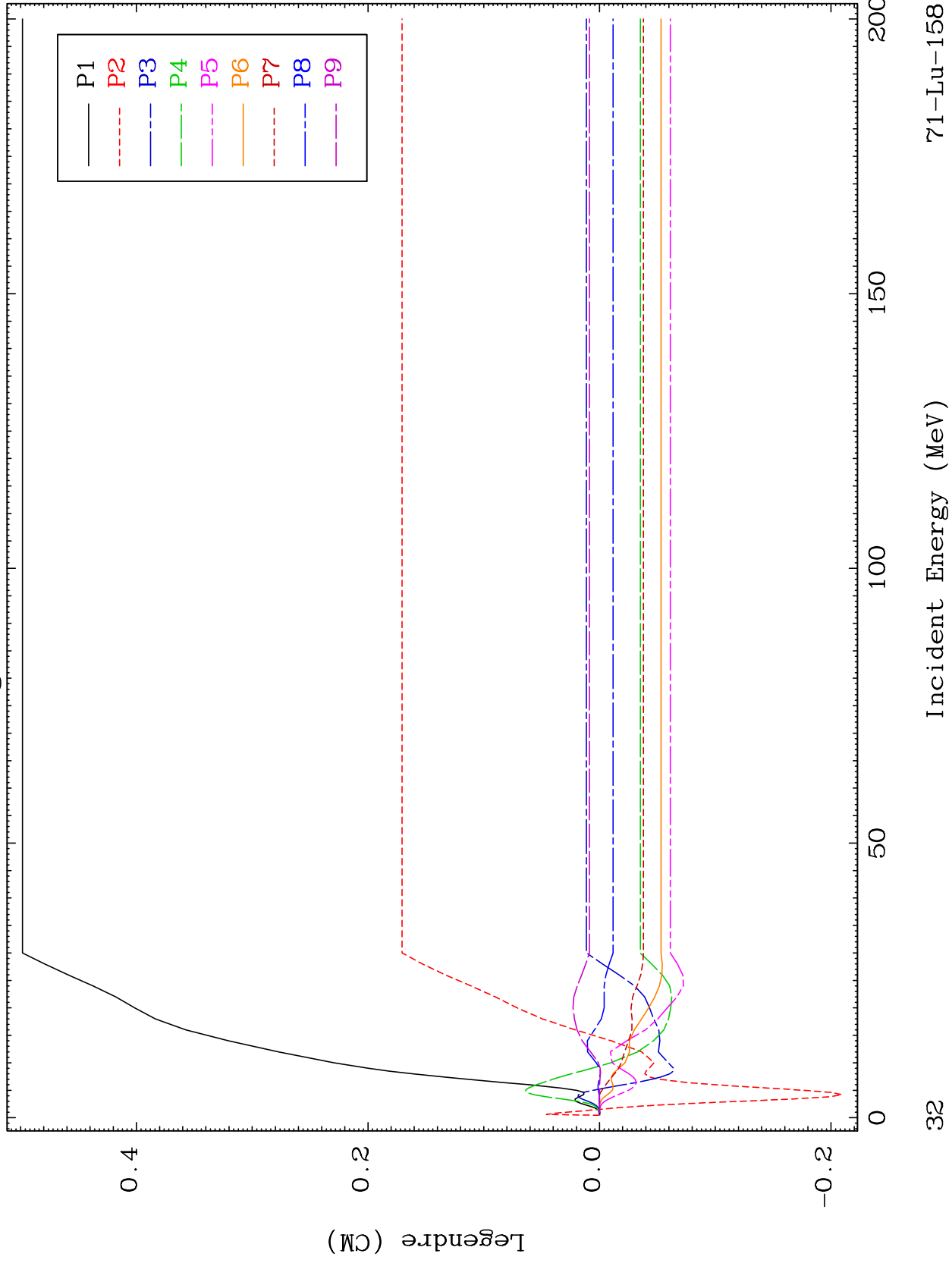
71-Lu-158



MAT 7074

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

71-Lu-158



71-Lu-158

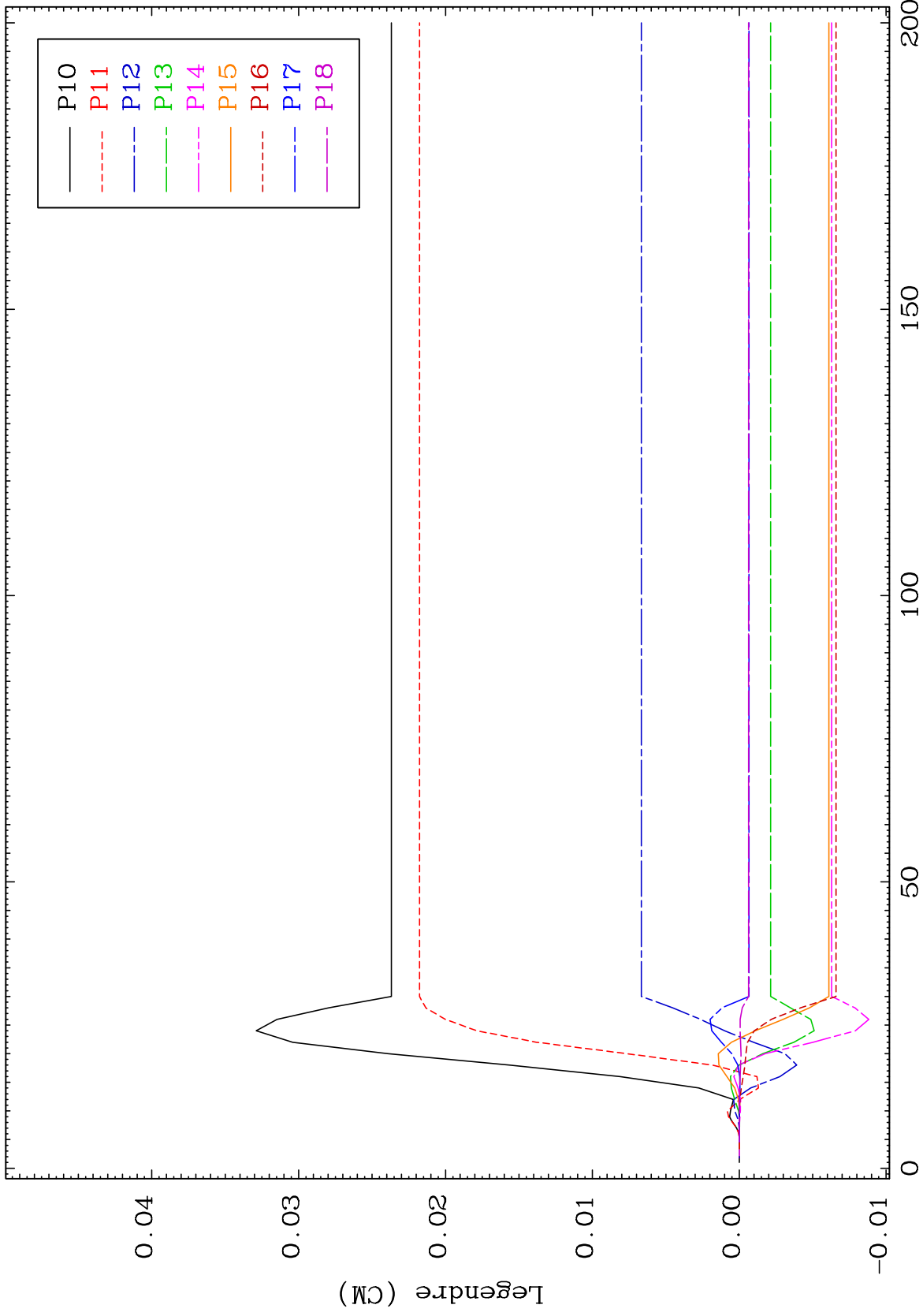
Incident Energy (MeV)

32

MAT 7074

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

71-Lu-158



33

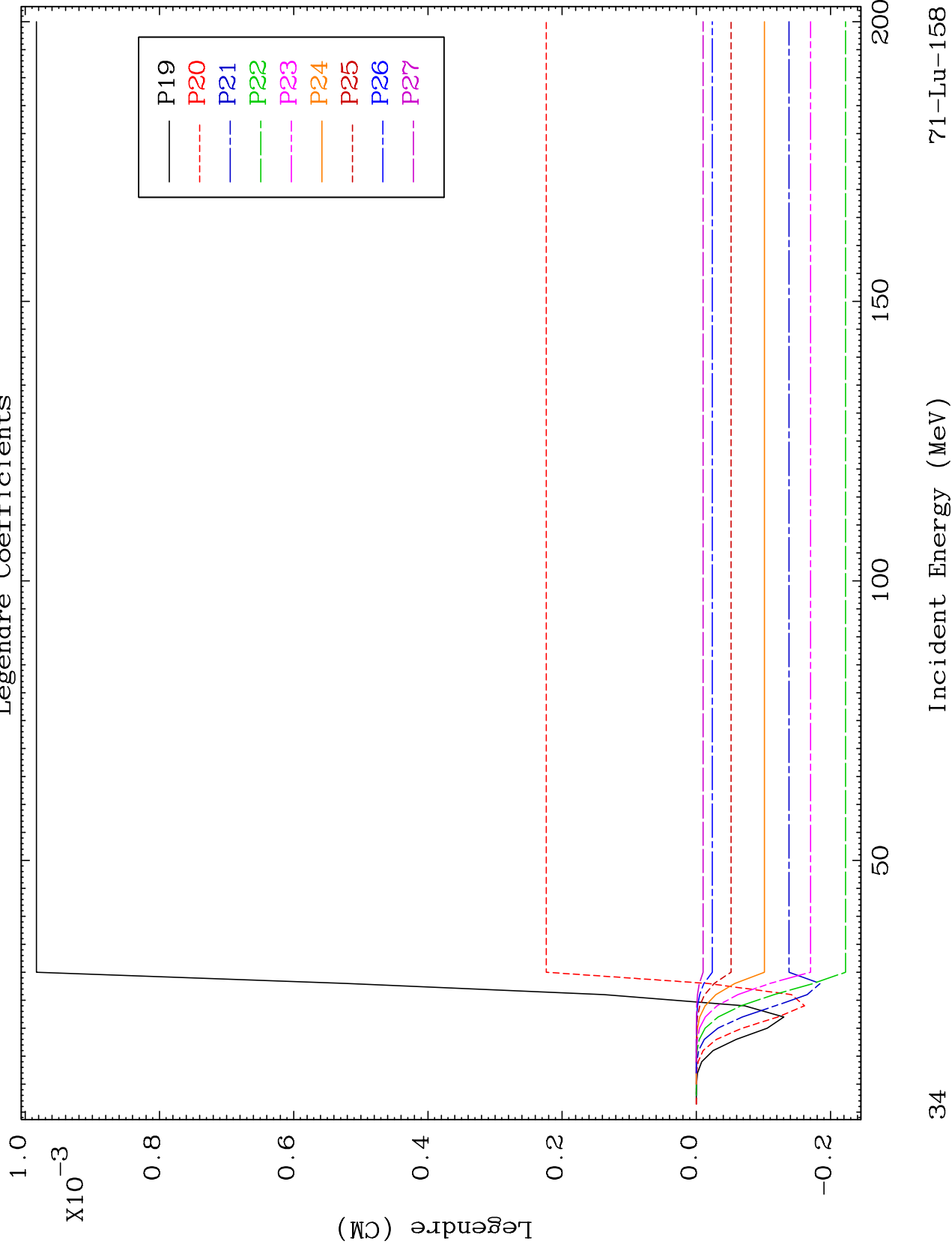
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

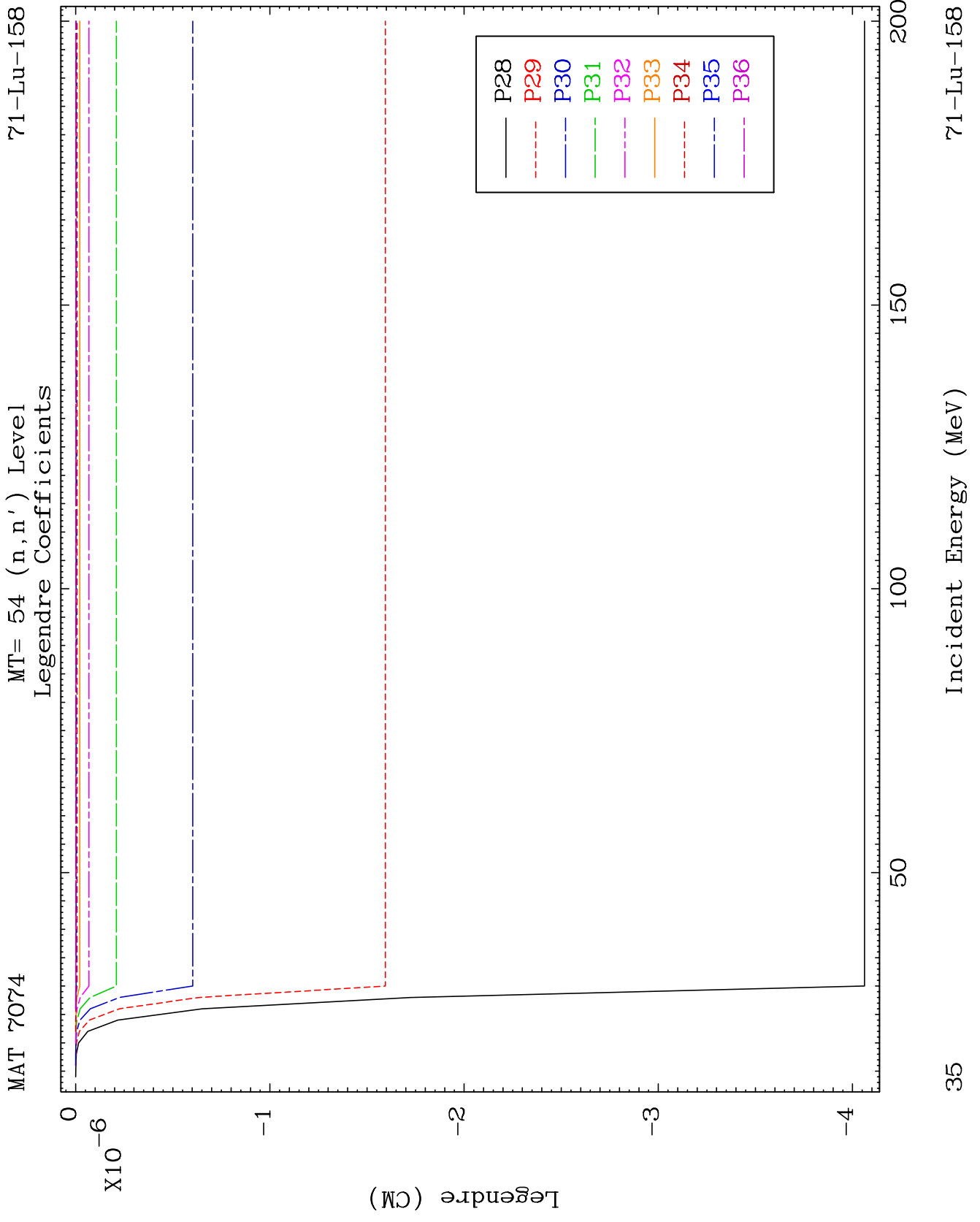
71-Lu-158



34

Incident Energy (MeV)

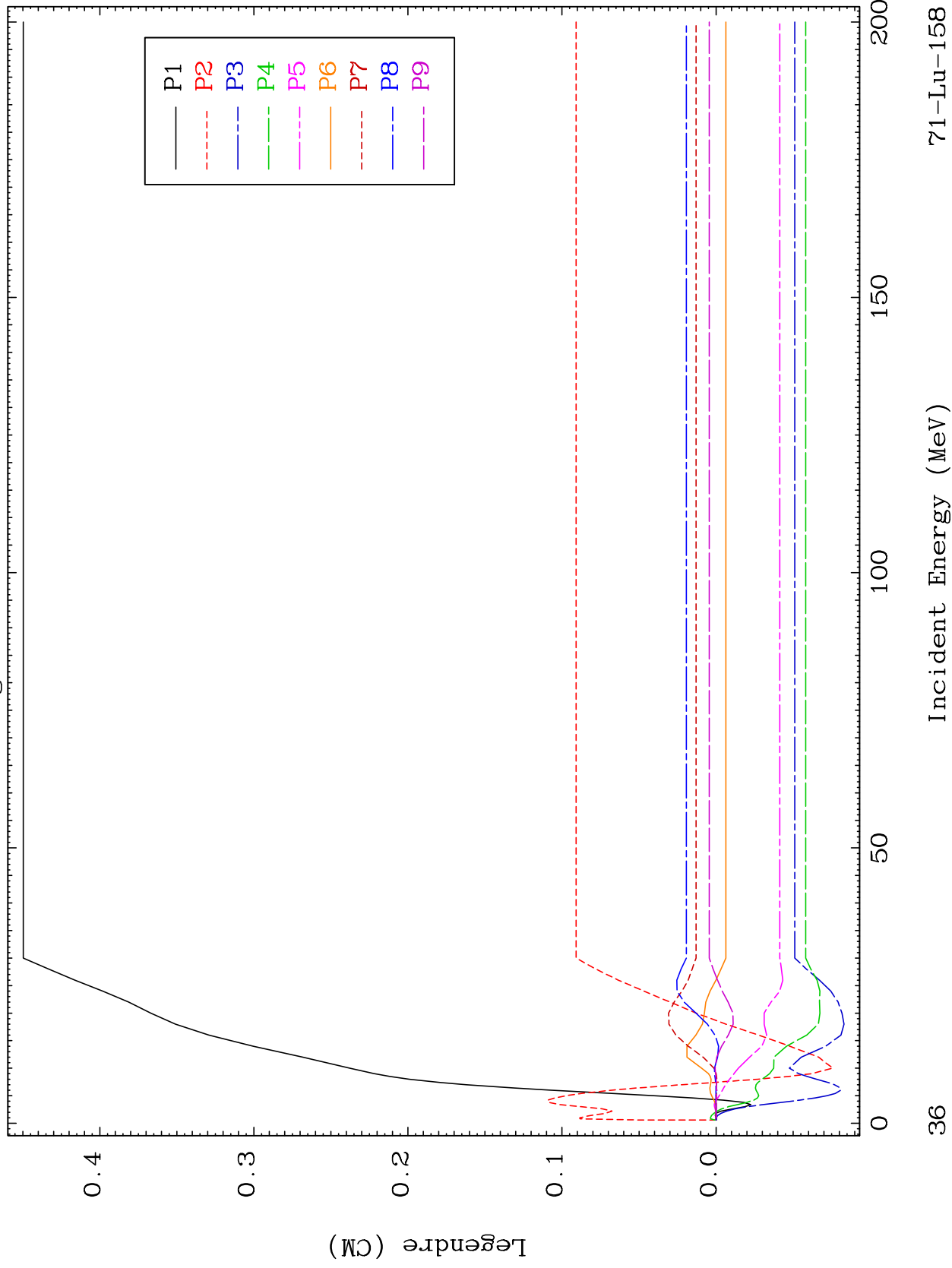
71-Lu-158



MAT 7074

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

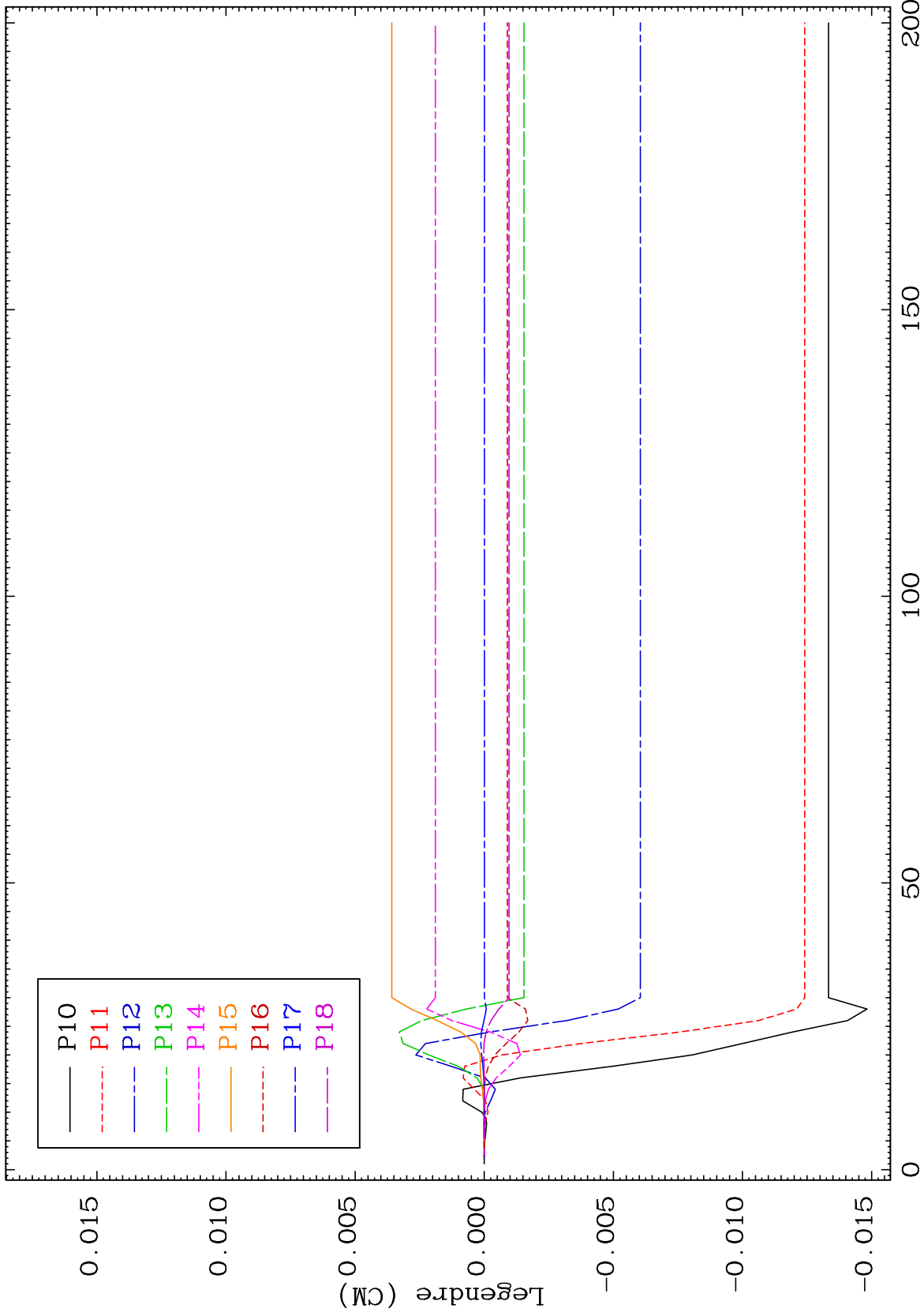
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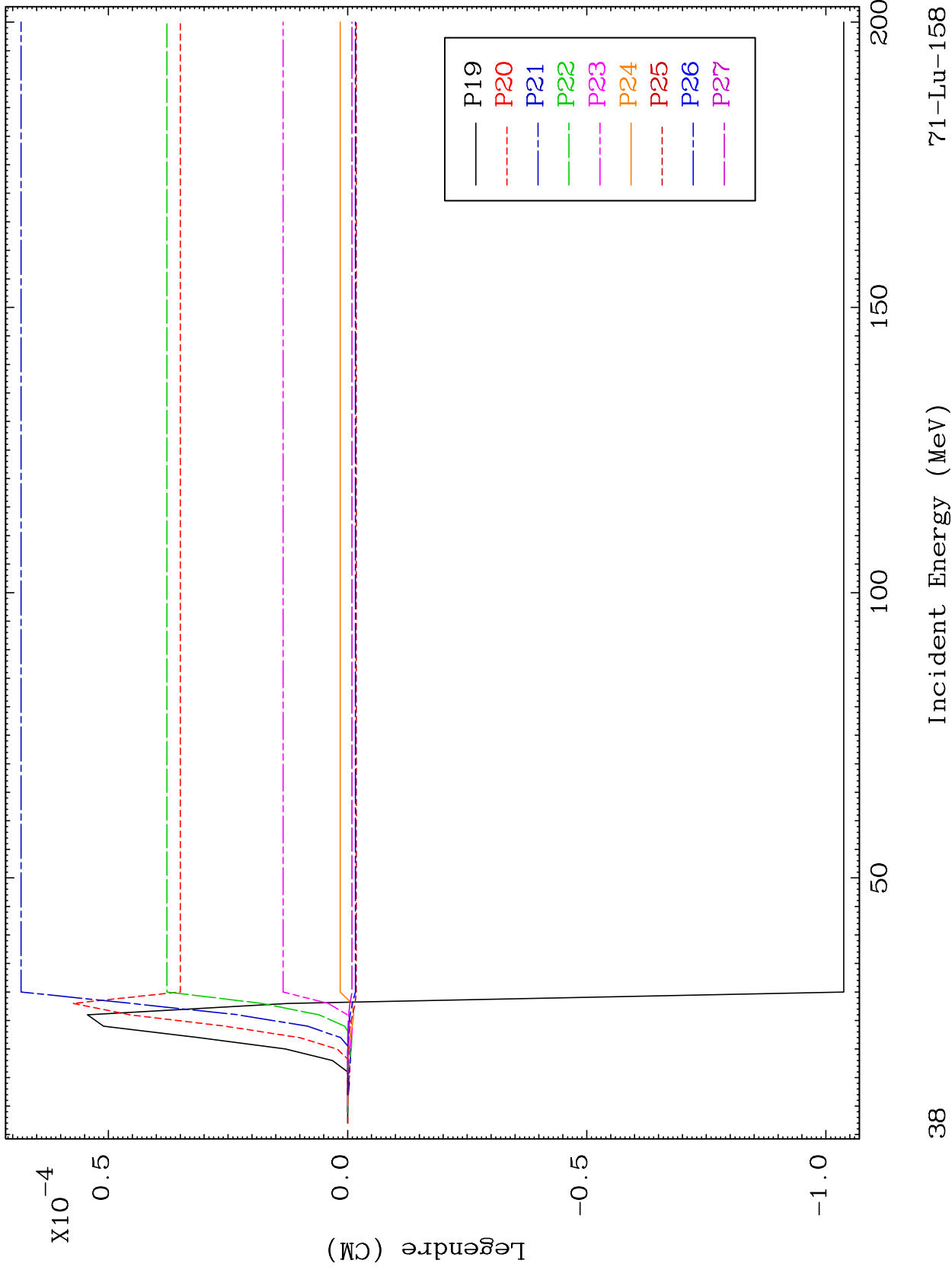


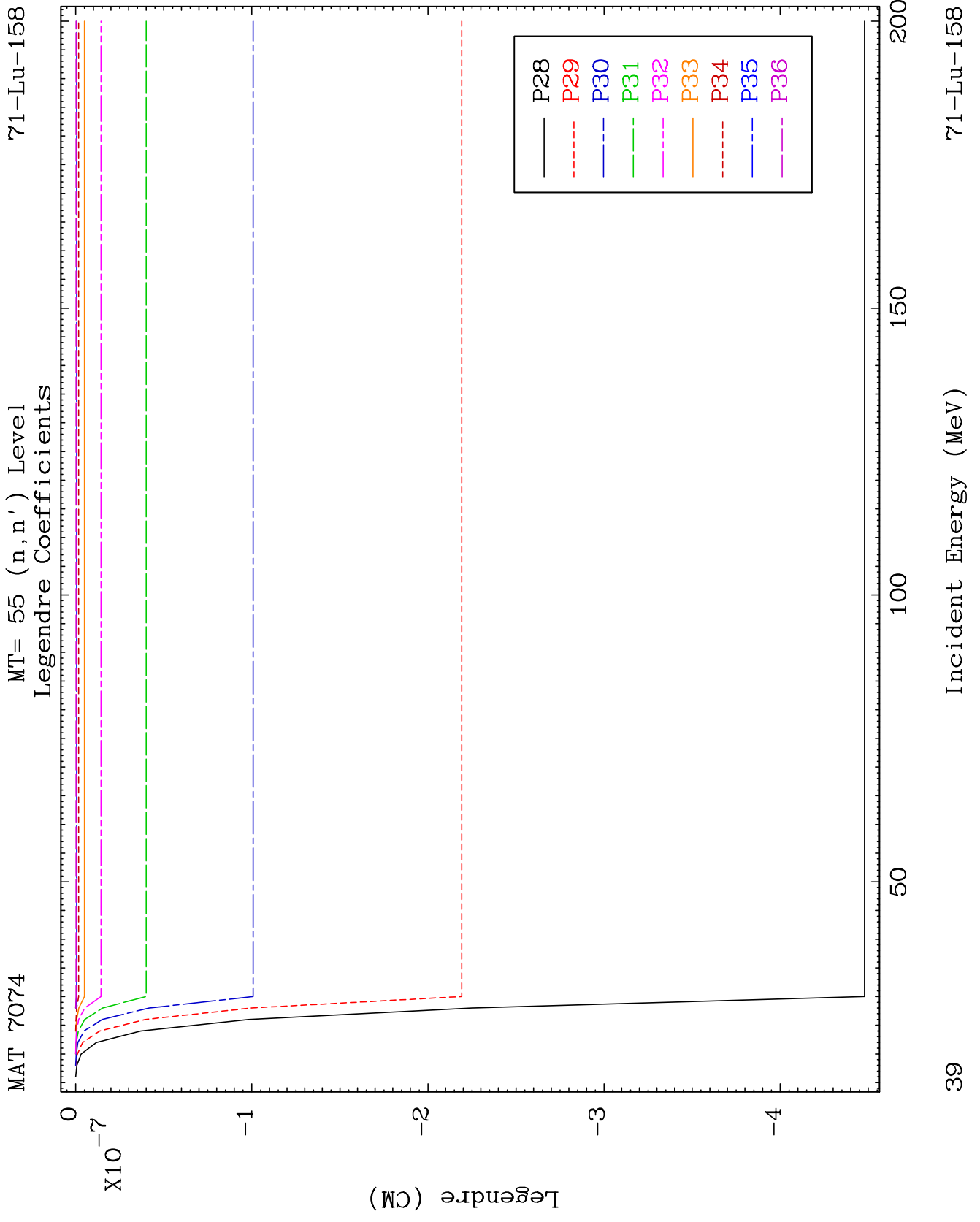
71-Lu-158

Incident Energy (MeV)

36



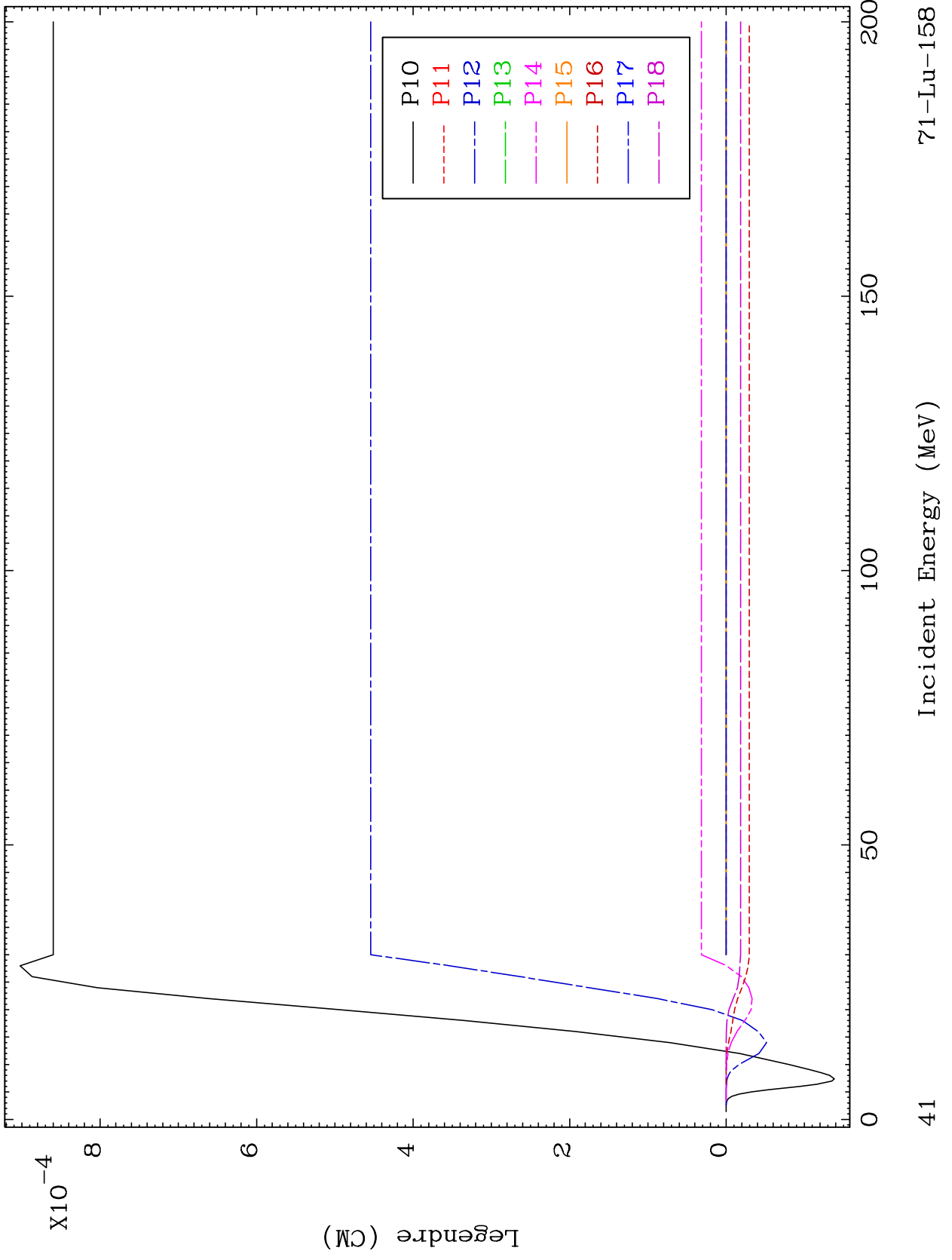


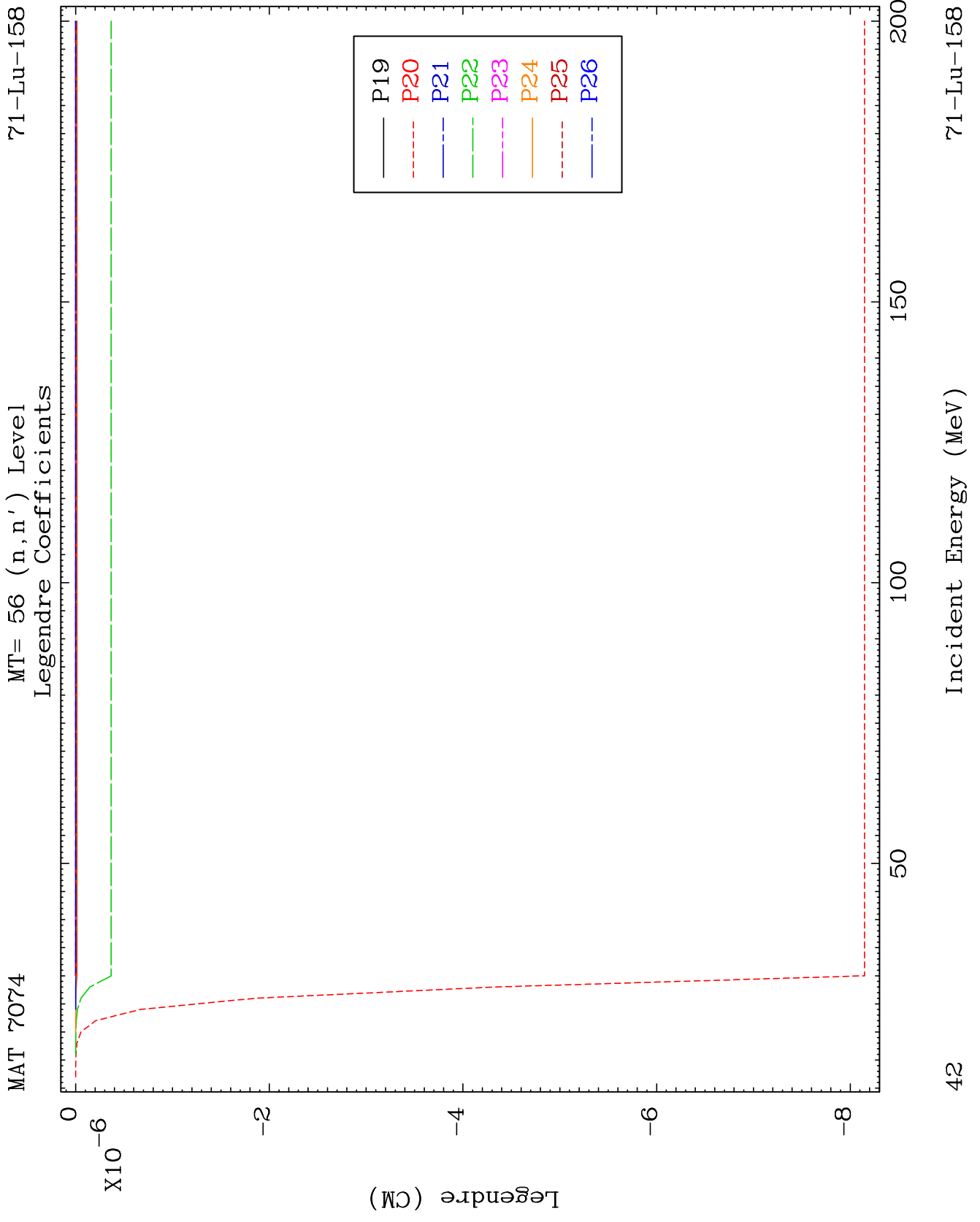


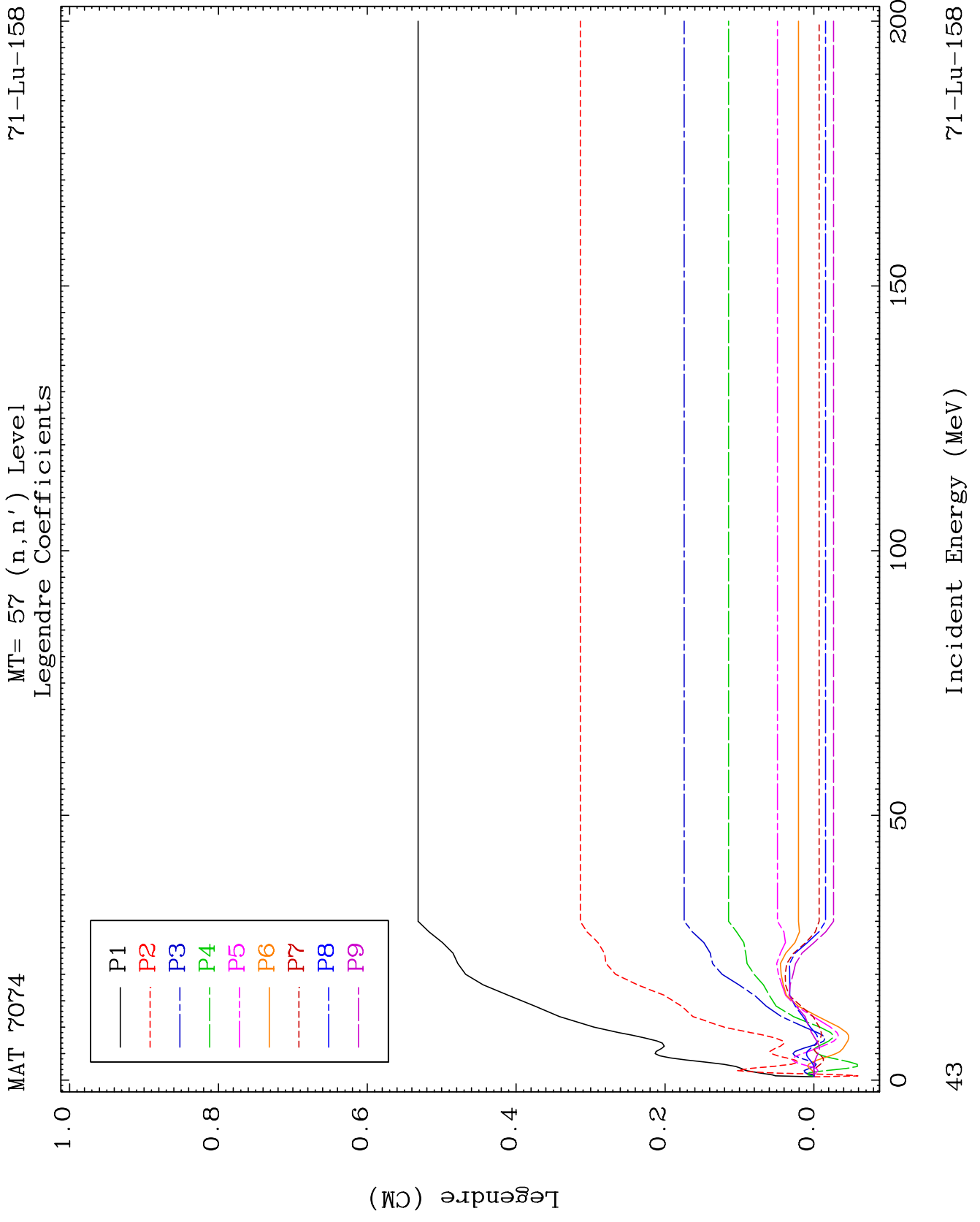
MAT 7074

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

71-Lu-158



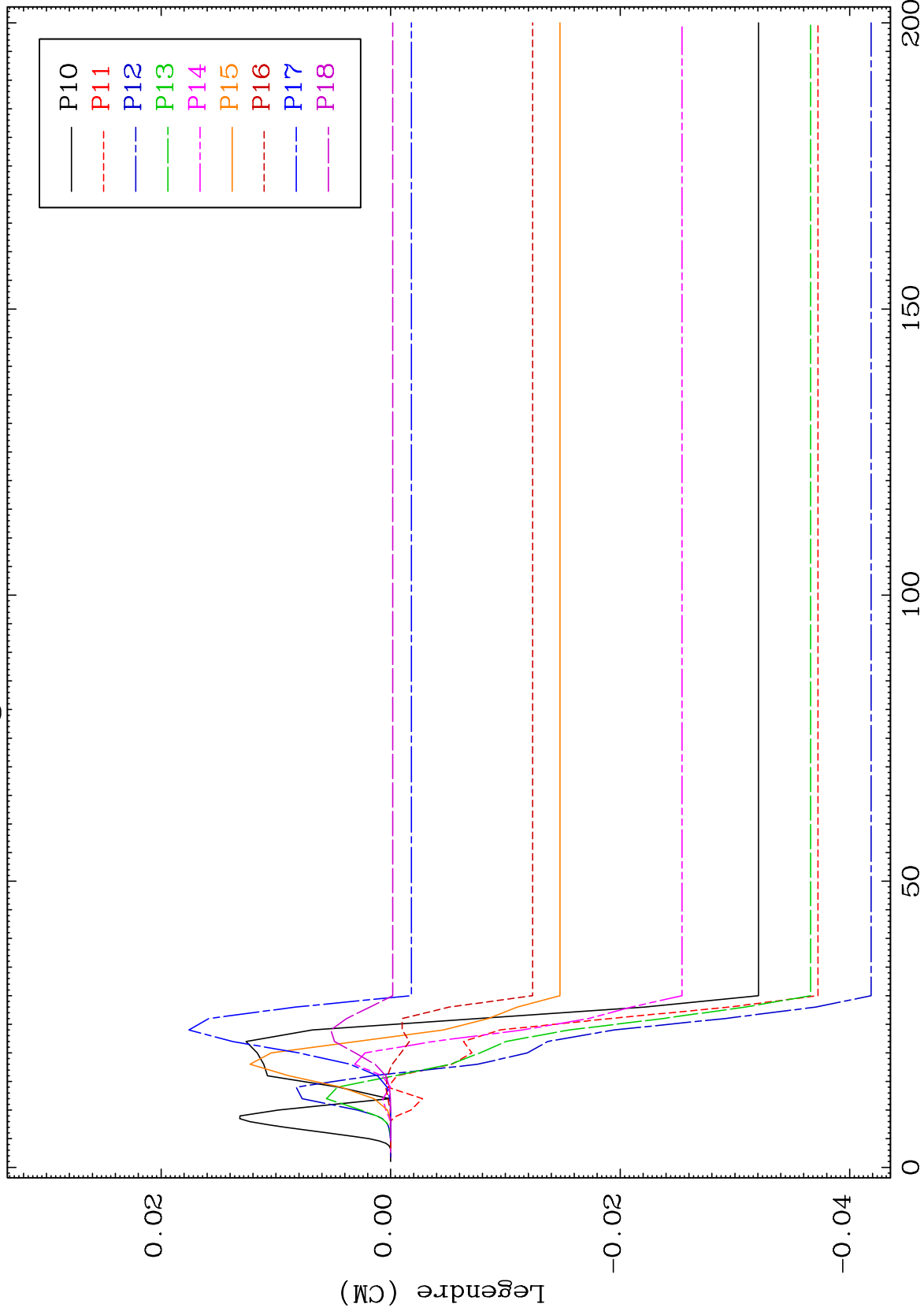




MAT 7074

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

71-Lu-158



44

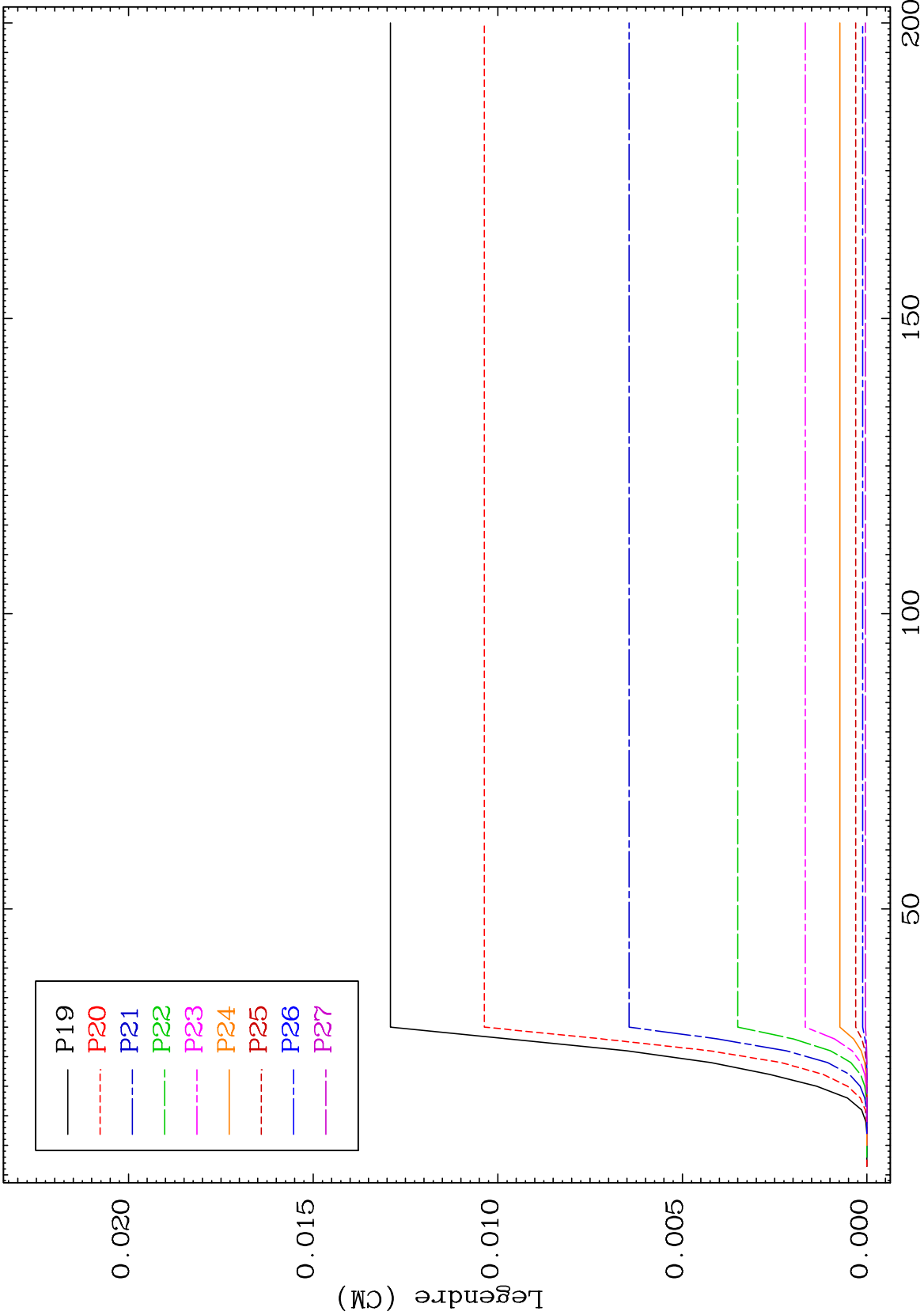
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



45

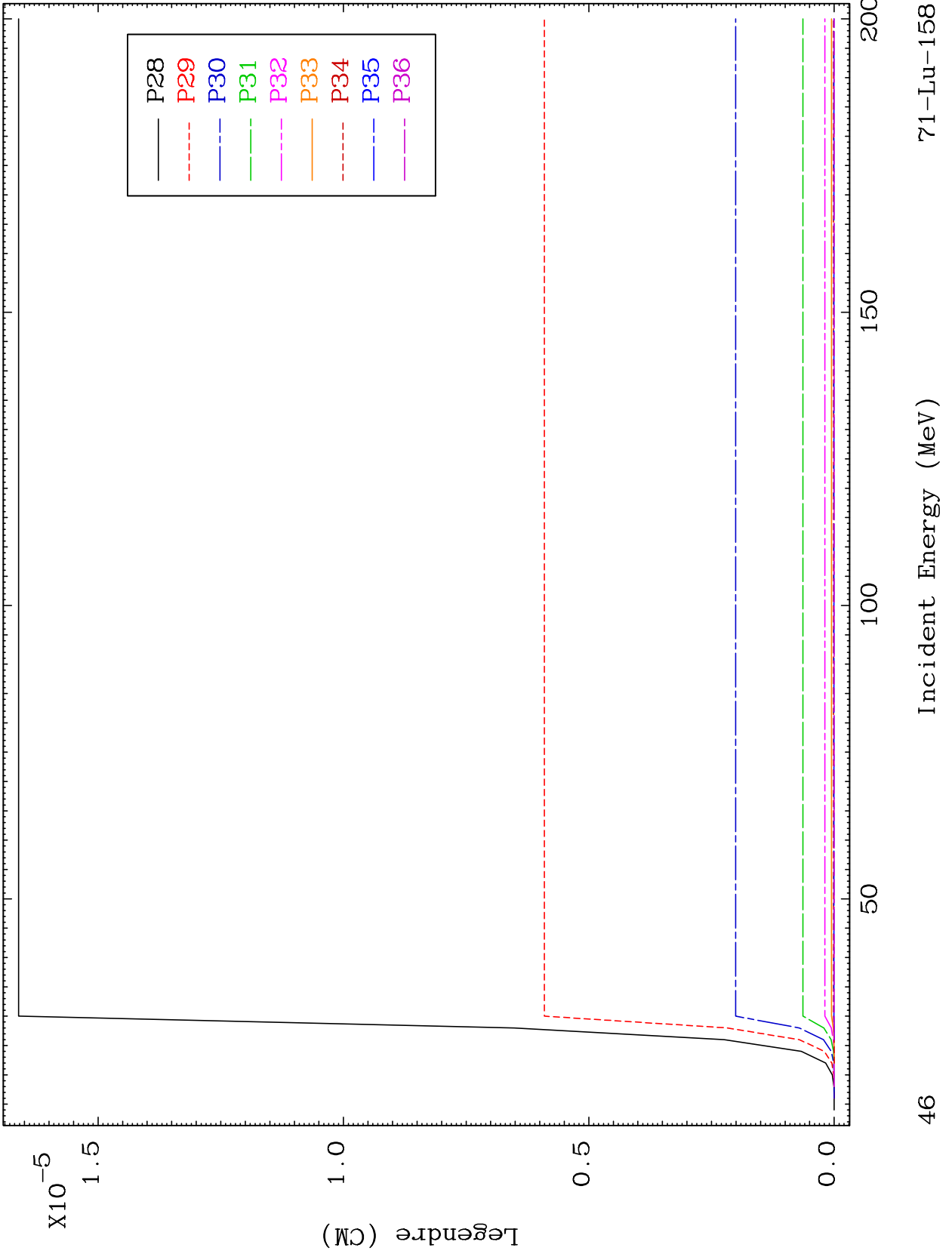
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

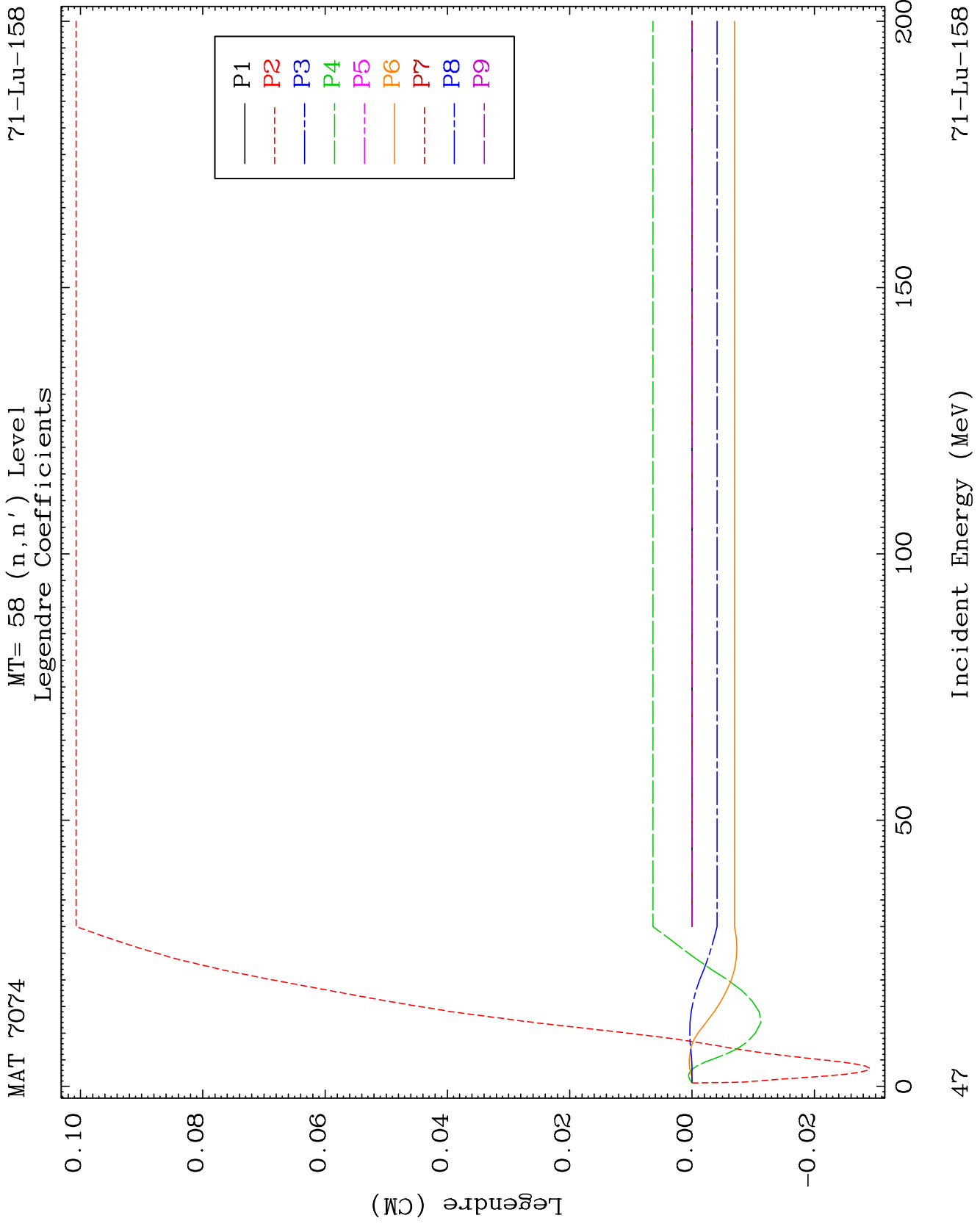
71-Lu-158



46

Incident Energy (MeV)

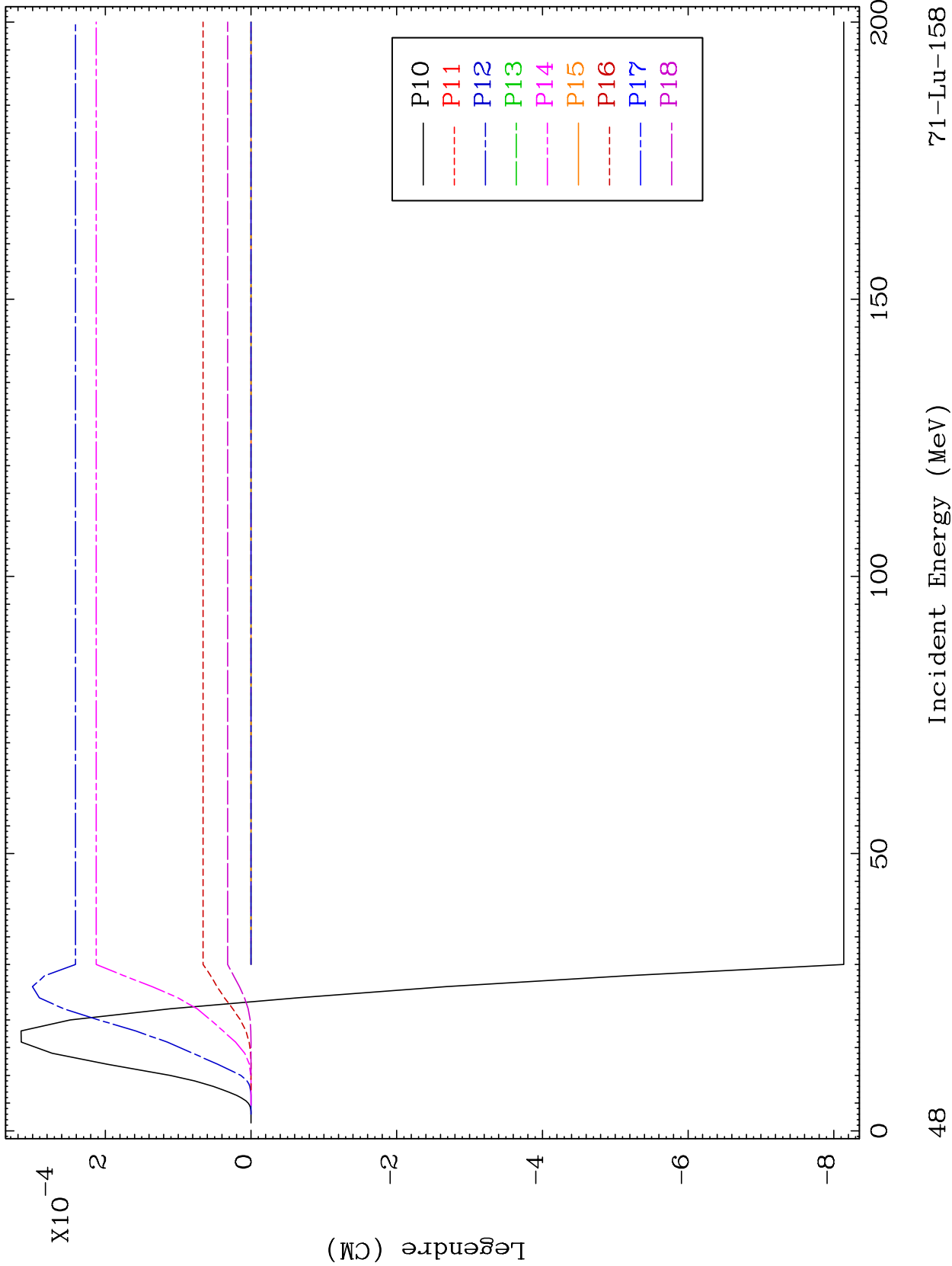
71-Lu-158



MAT 7074

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

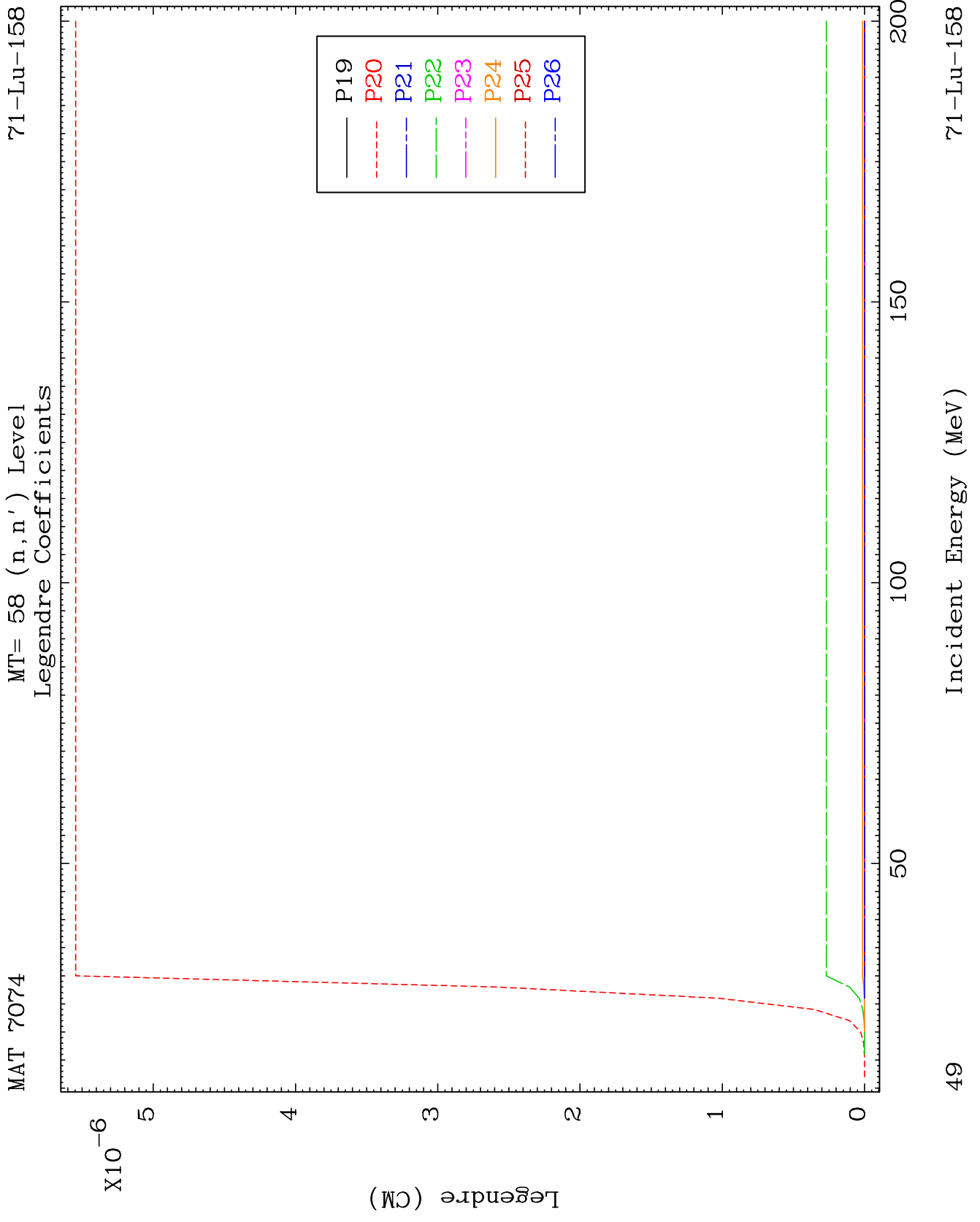
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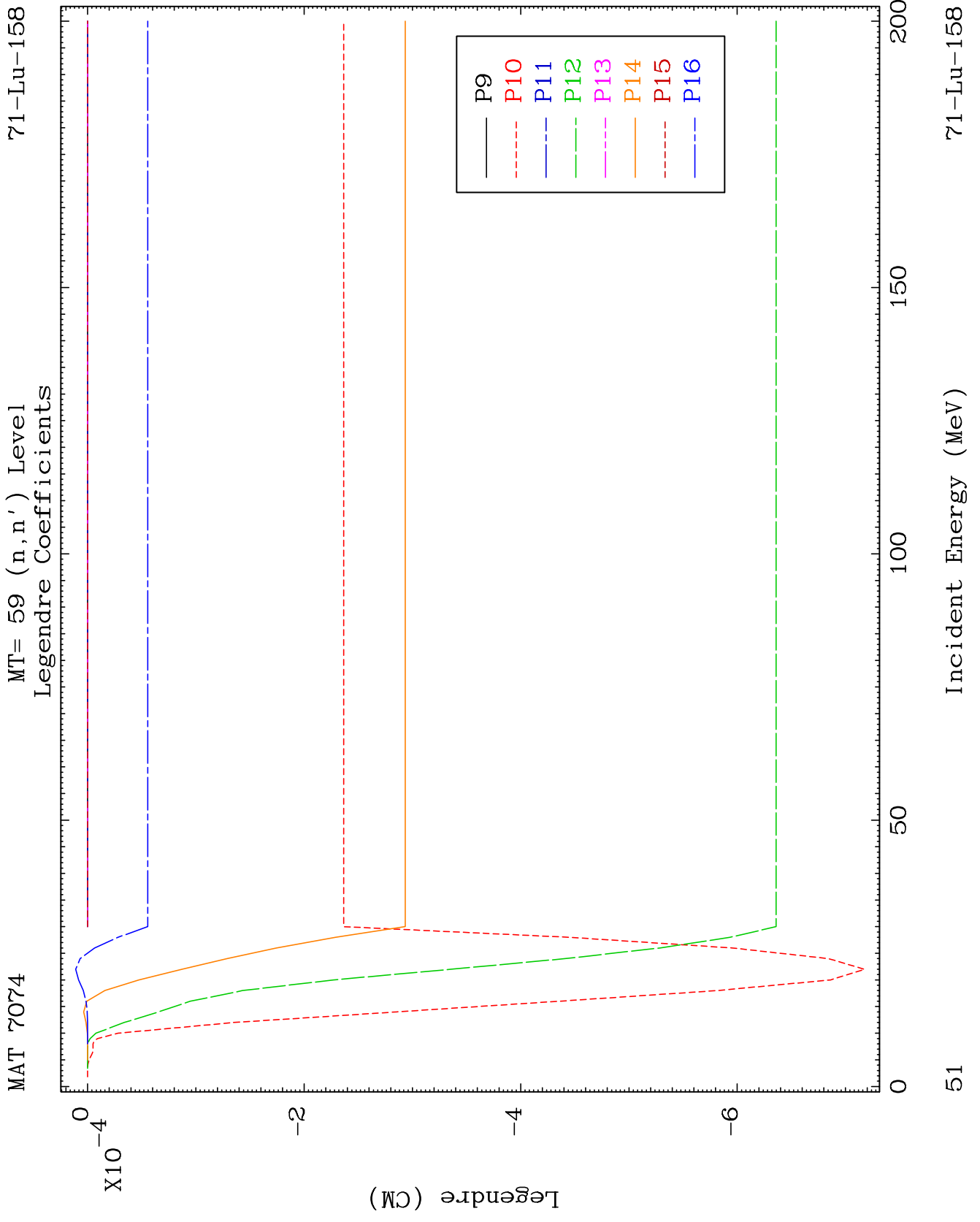


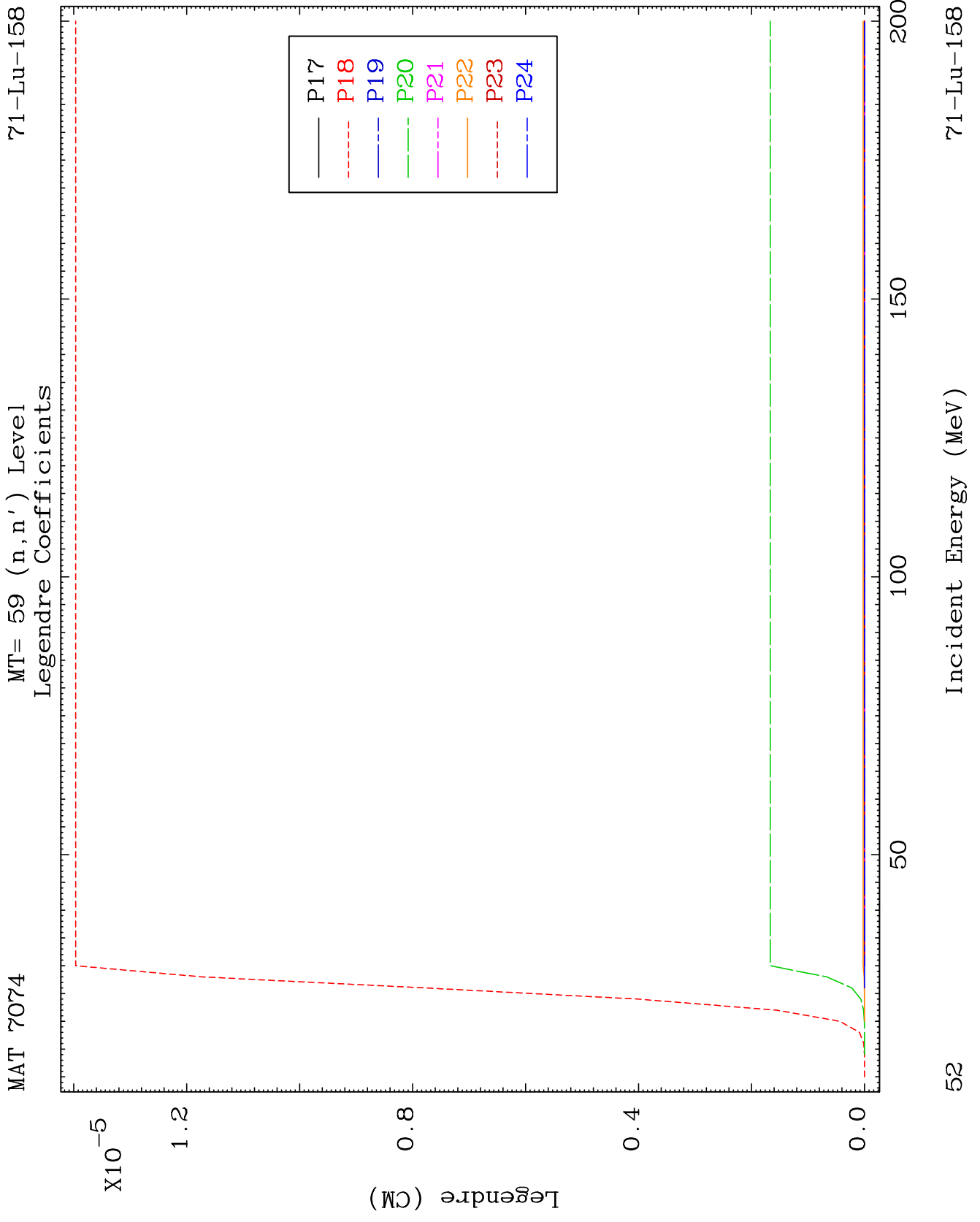
71-Lu-158

Incident Energy (MeV)

48



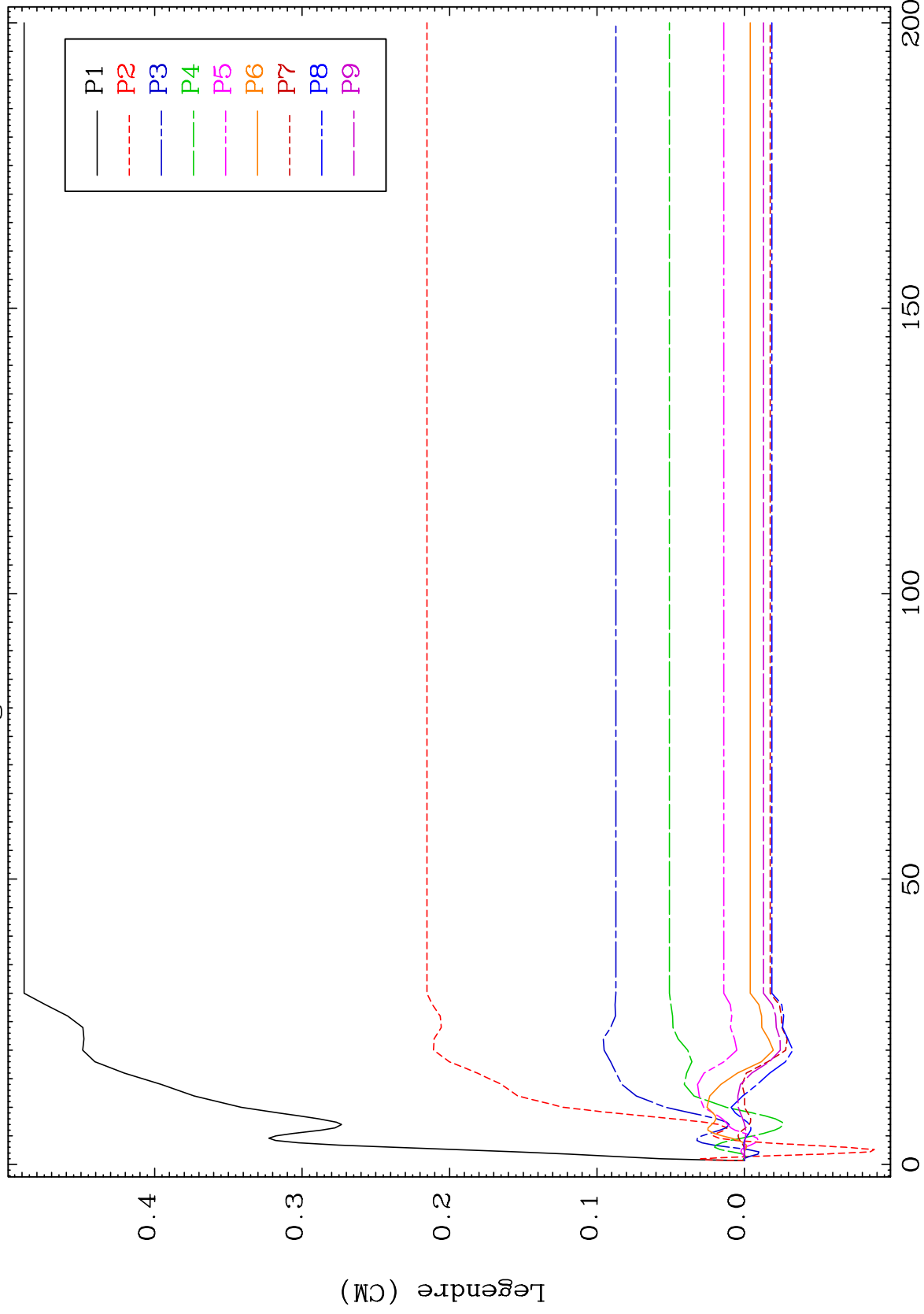




MAT 7074

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

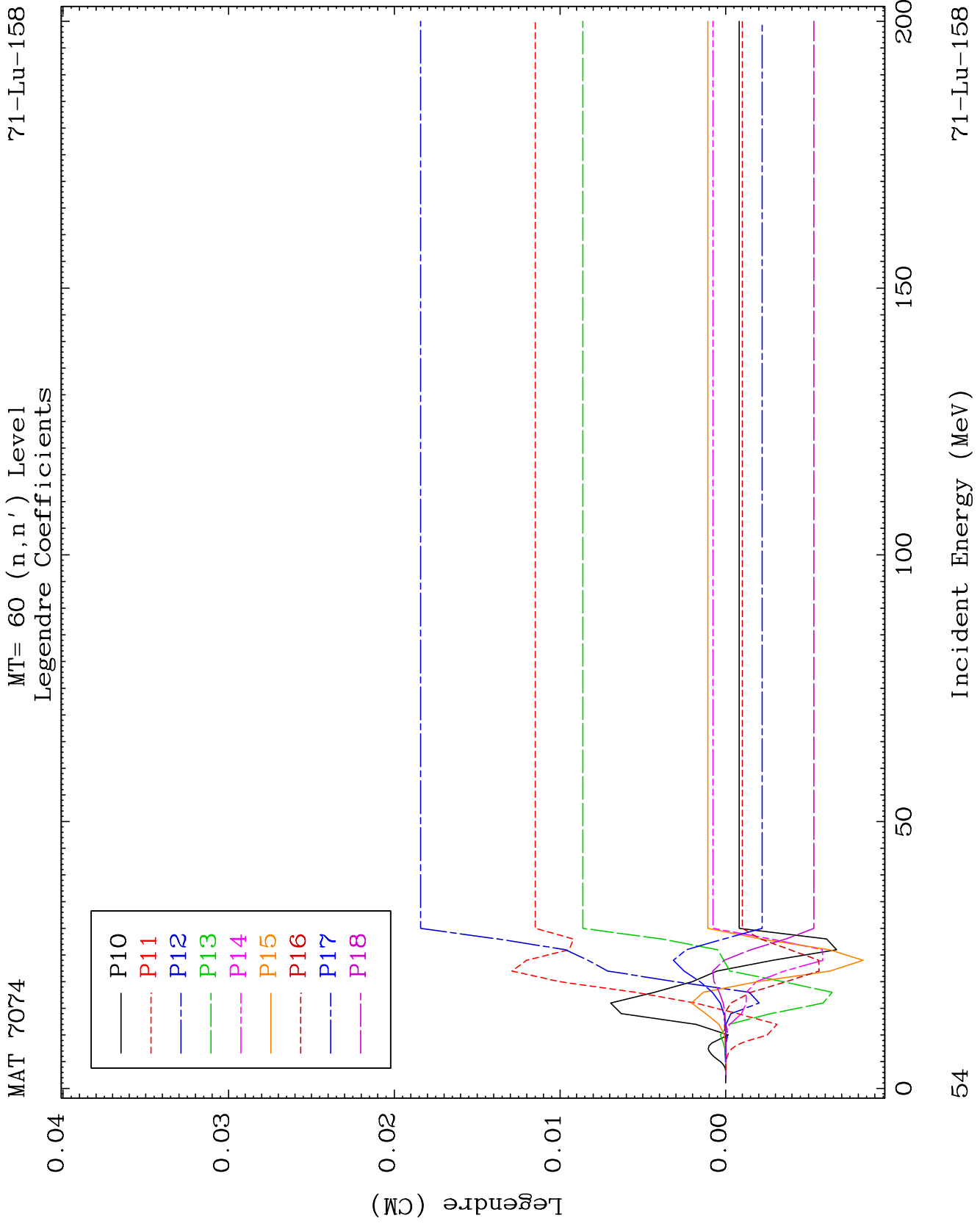
71-Lu-158



53

Incident Energy (MeV)

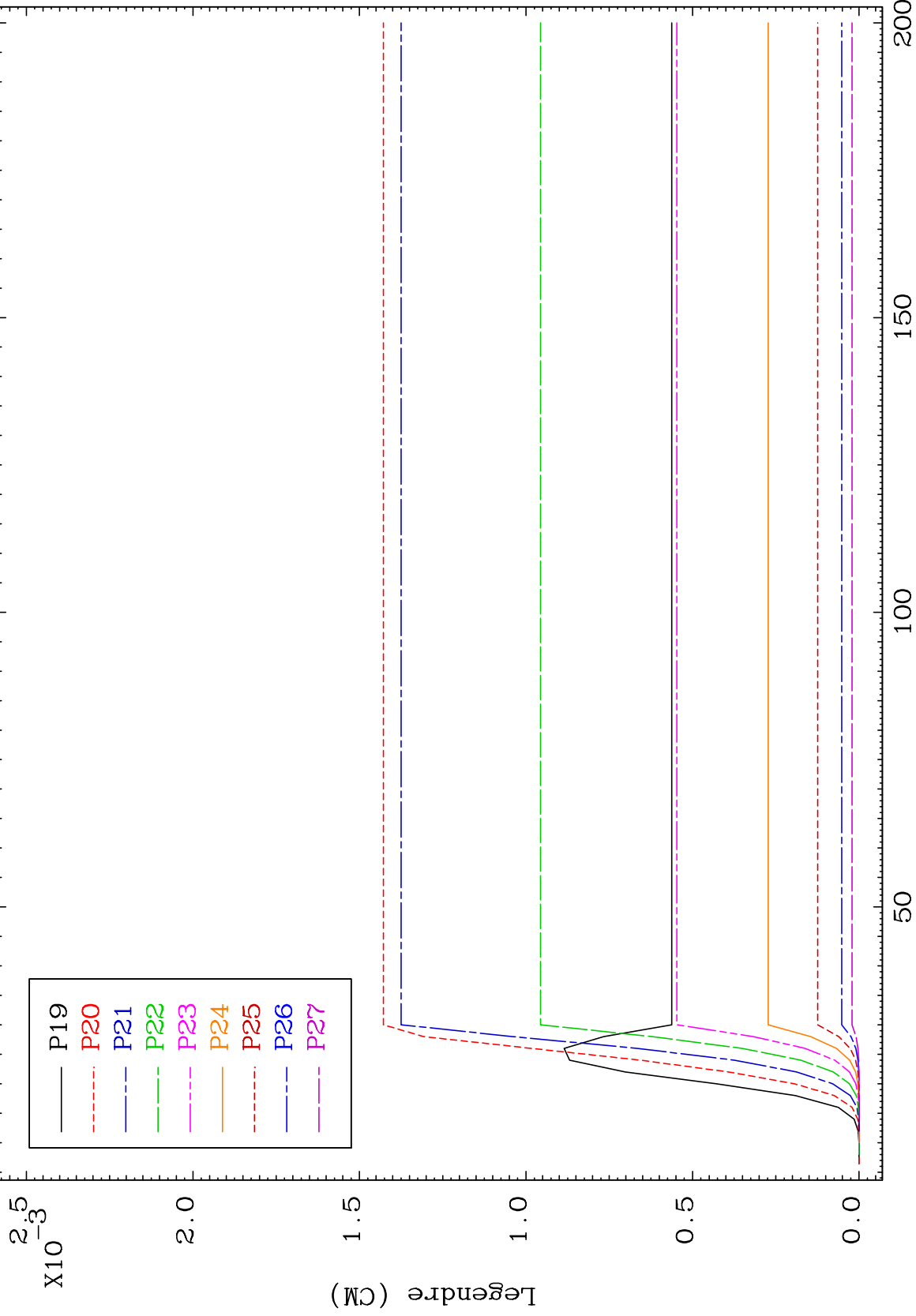
71-Lu-158



MAT 7074

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

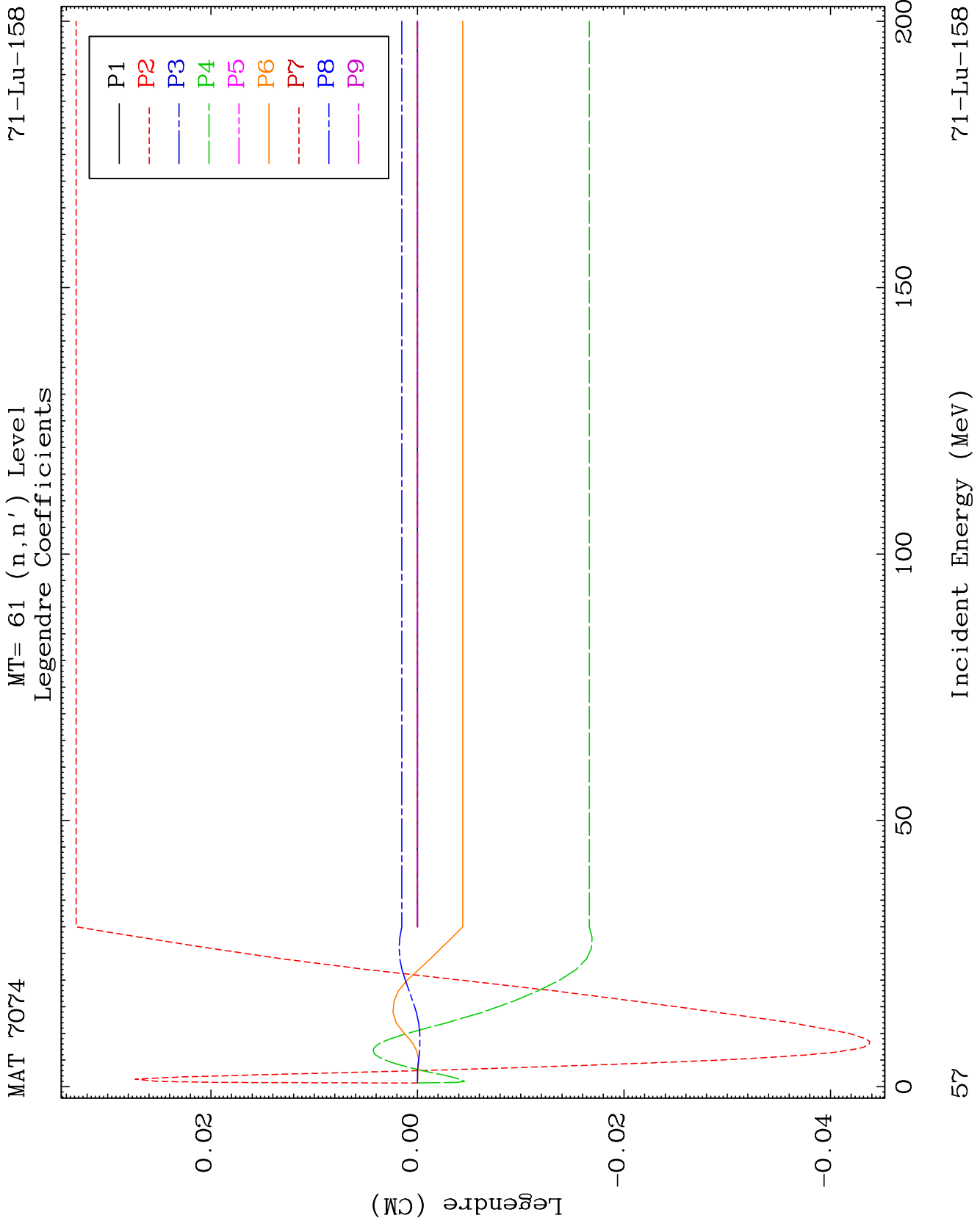
71-Lu-158



55

Incident Energy (MeV)

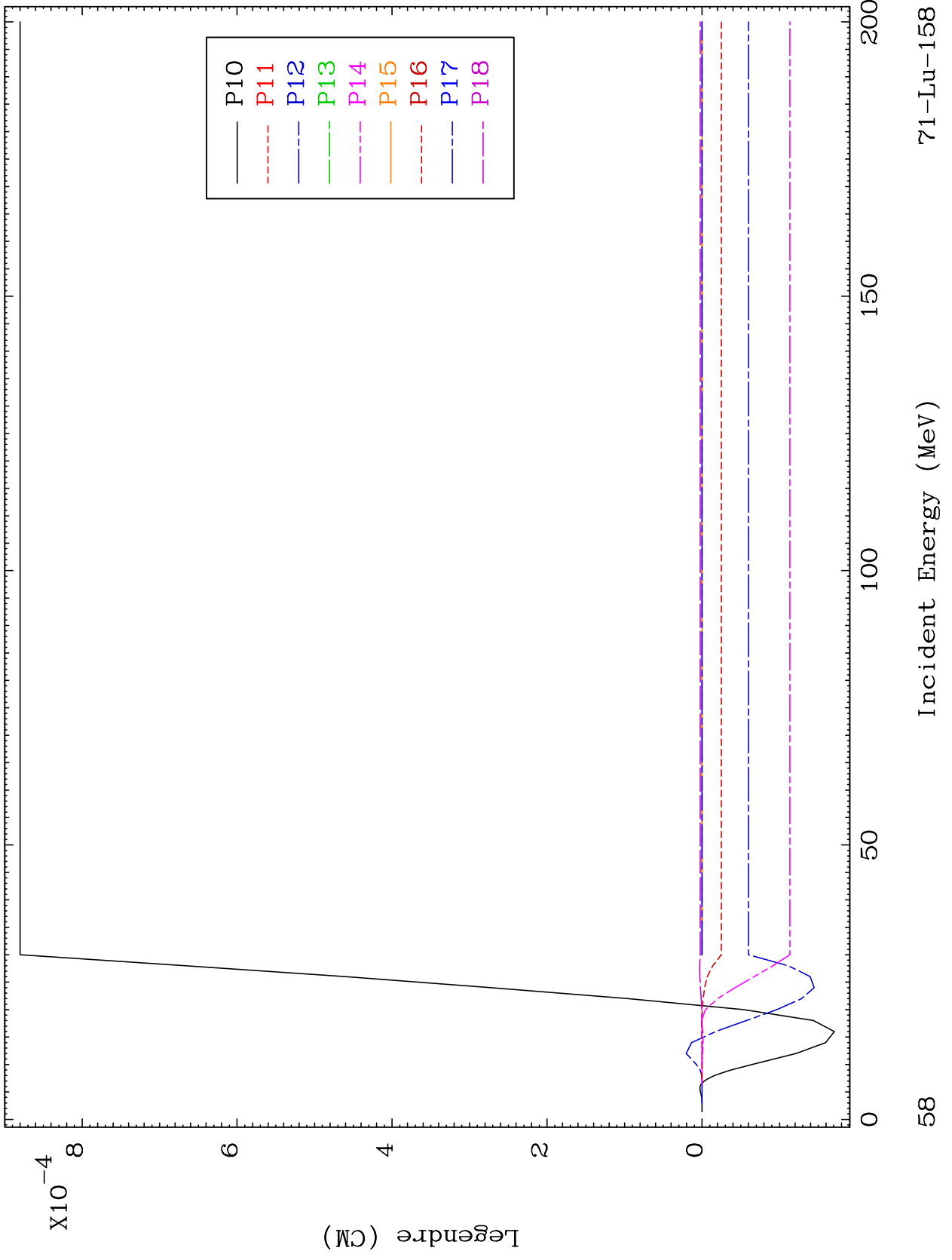
71-Lu-158



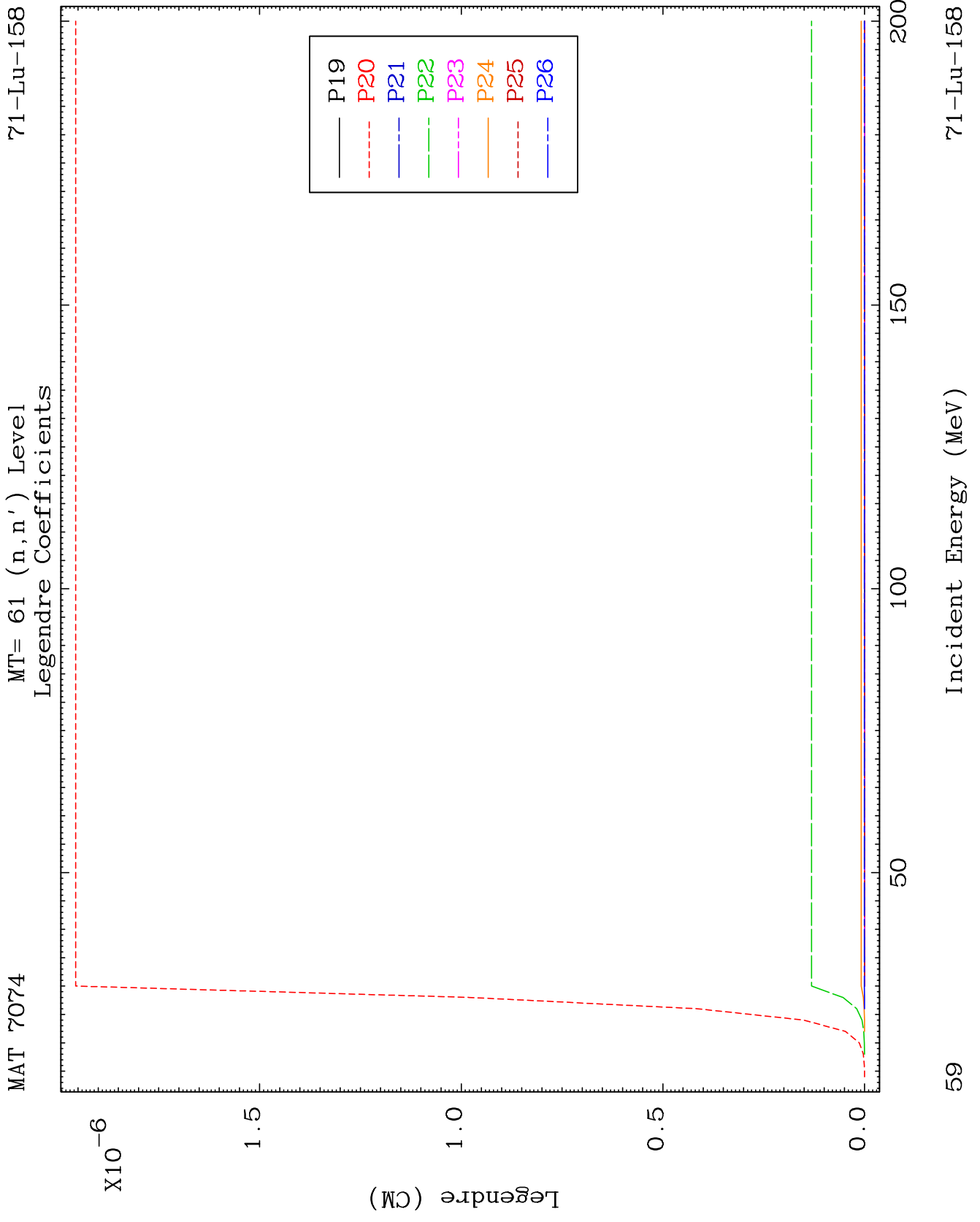
MAT 7074

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

71-Lu-158



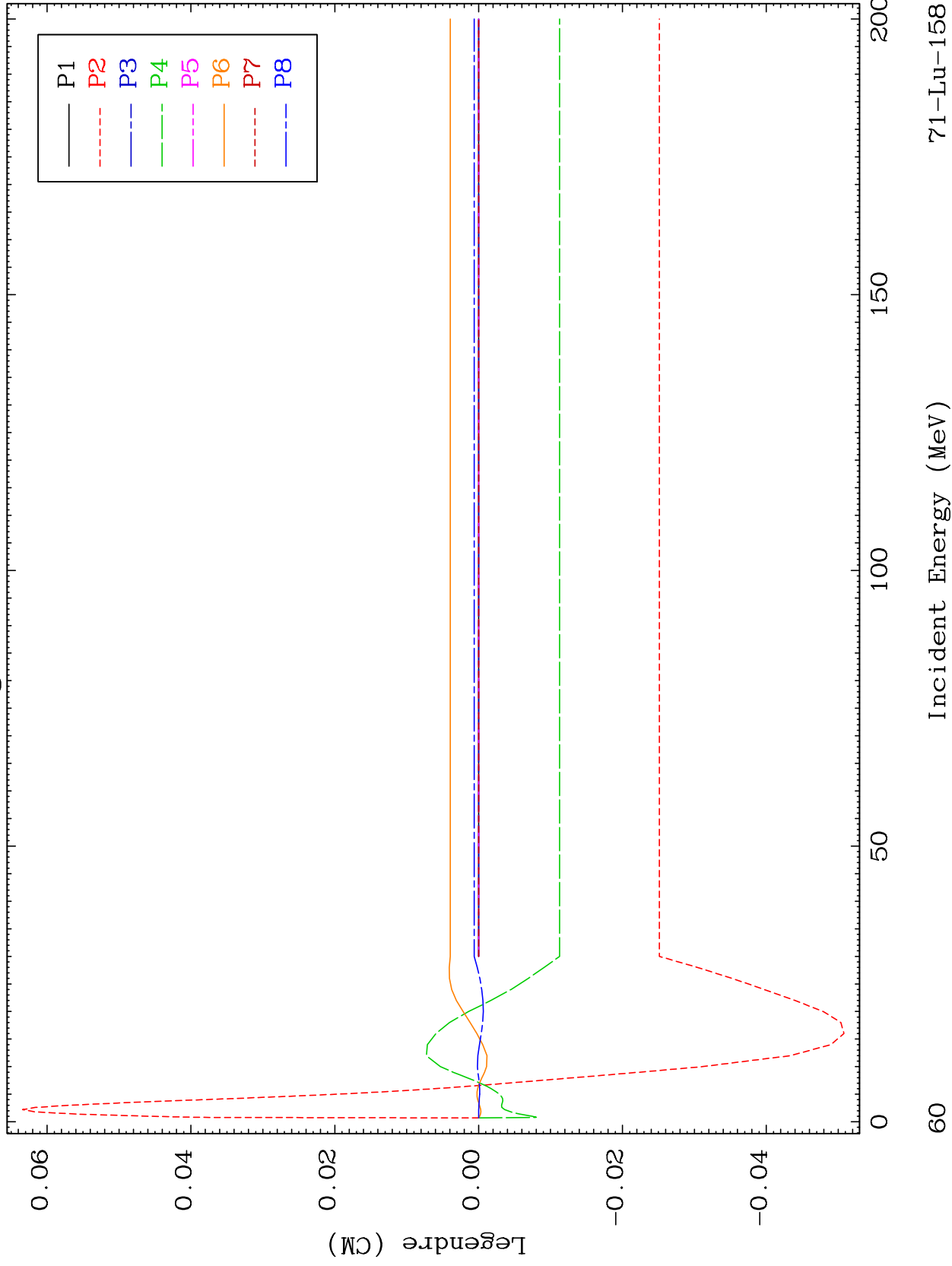
71-Lu-158



MAT 7074

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

71-Lu-158

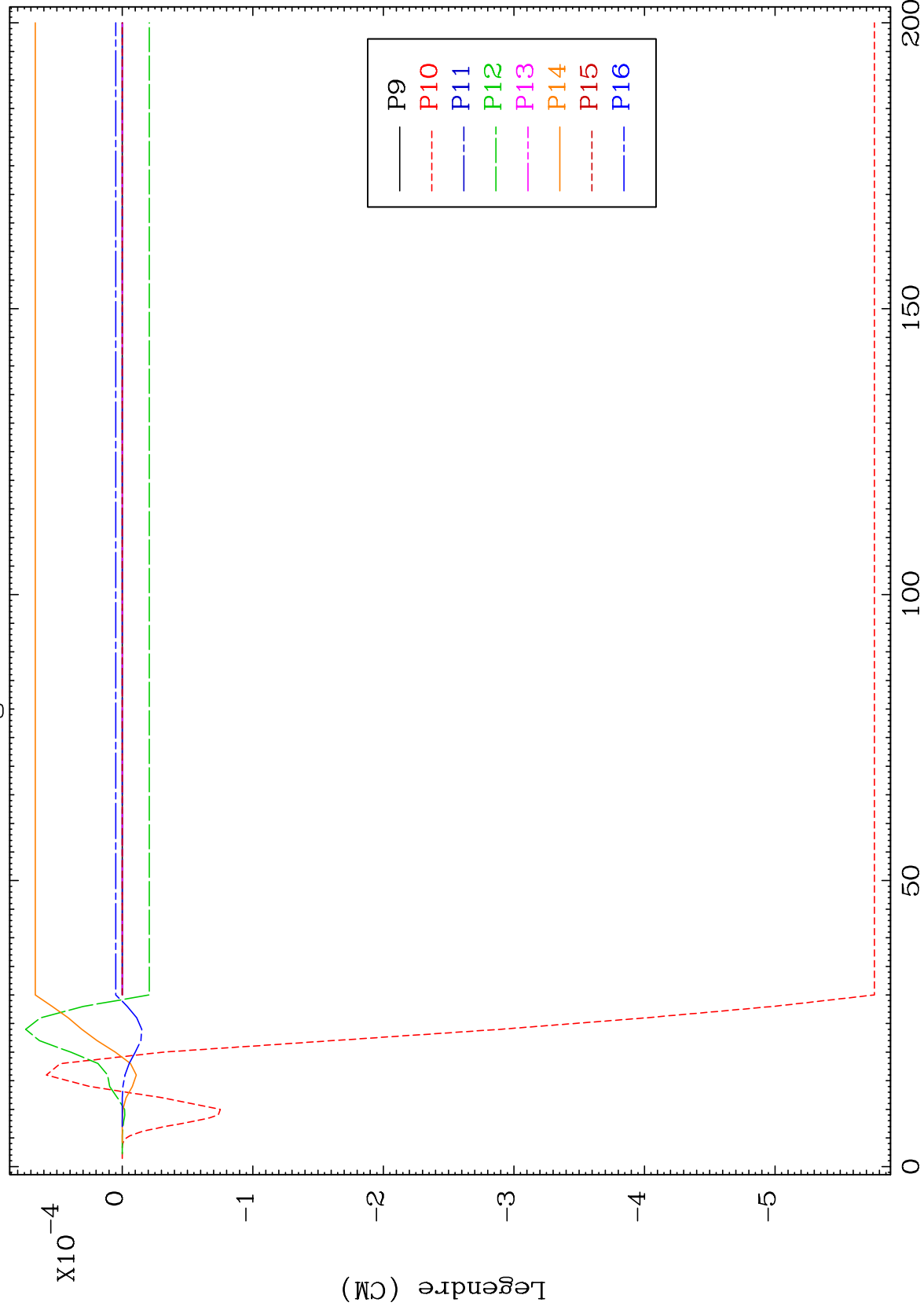


71-Lu-158

MAT 7074

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

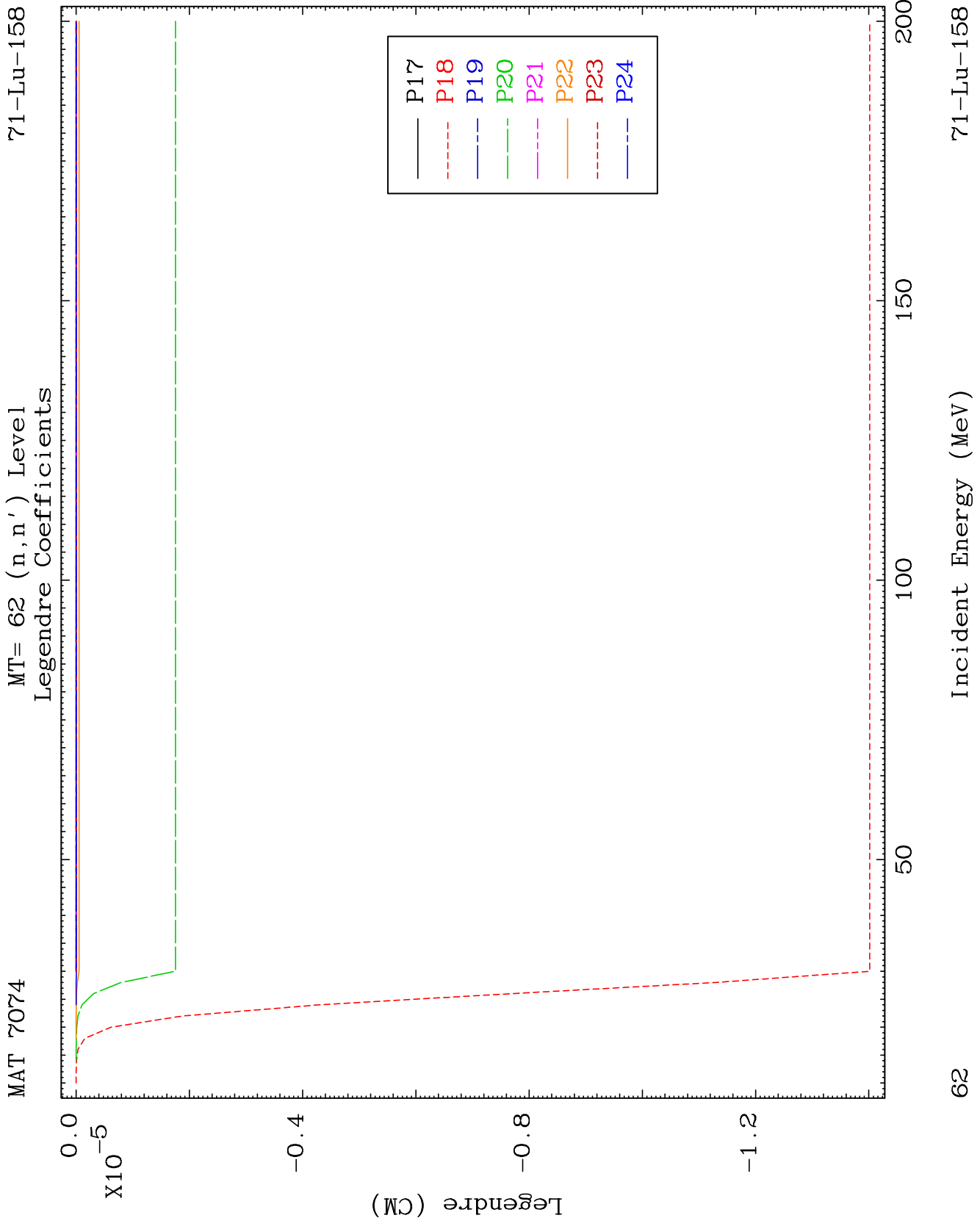
71-Lu-158



61

Incident Energy (MeV)

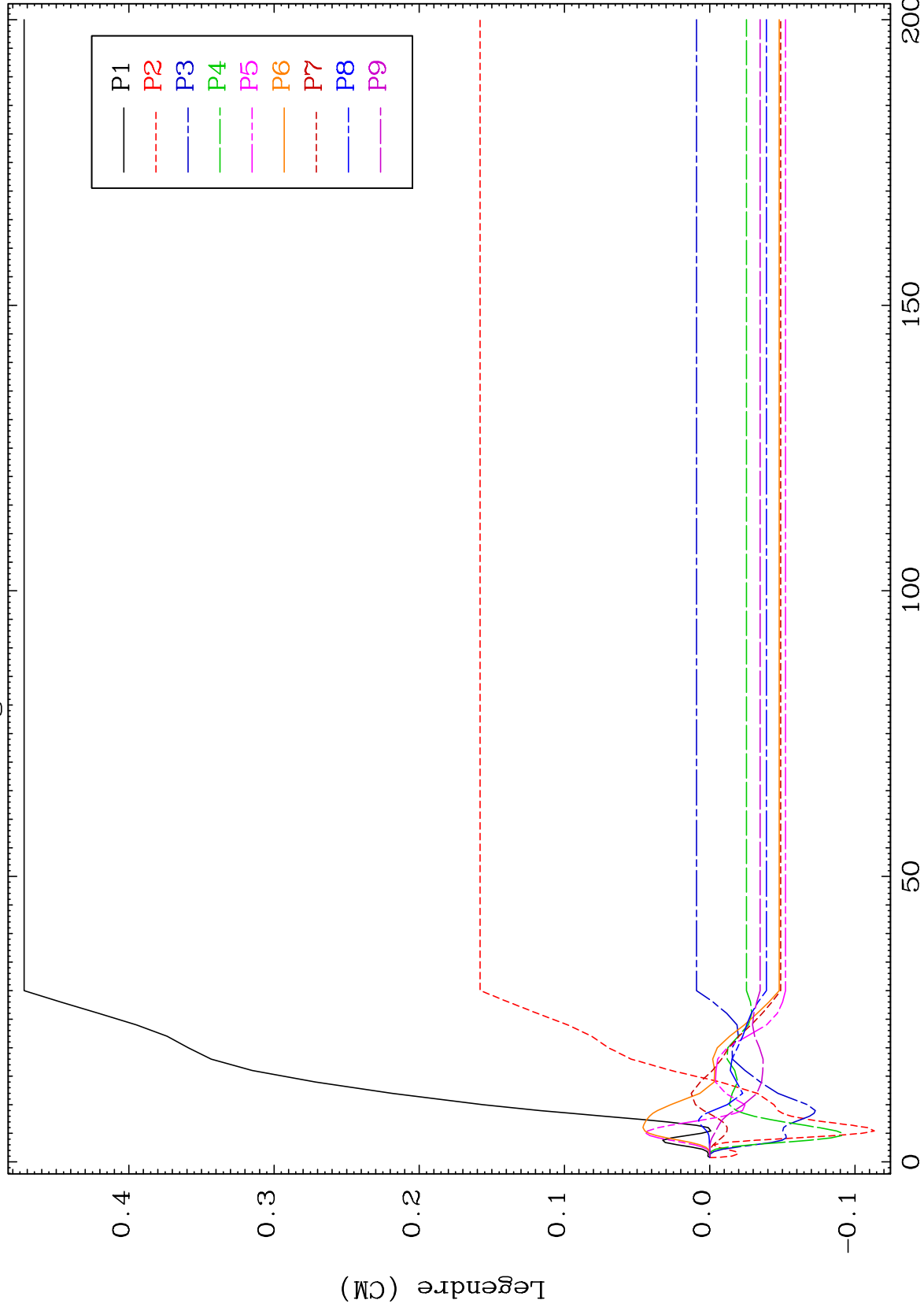
71-Lu-158



MAT 7074

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

71-Lu-158



71-Lu-158

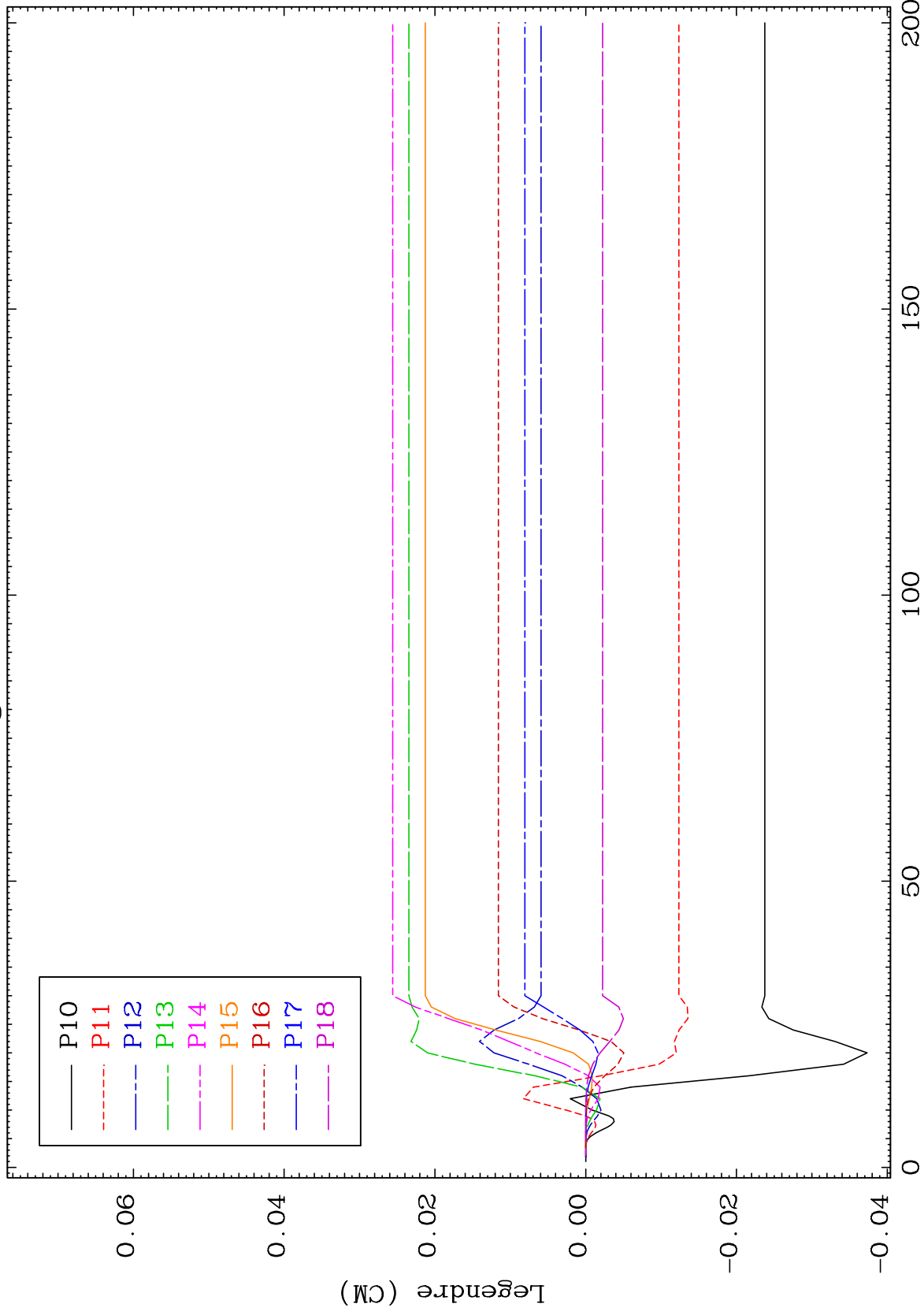
Incident Energy (MeV)

63

MAT 7074

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

71-Lu-158



64

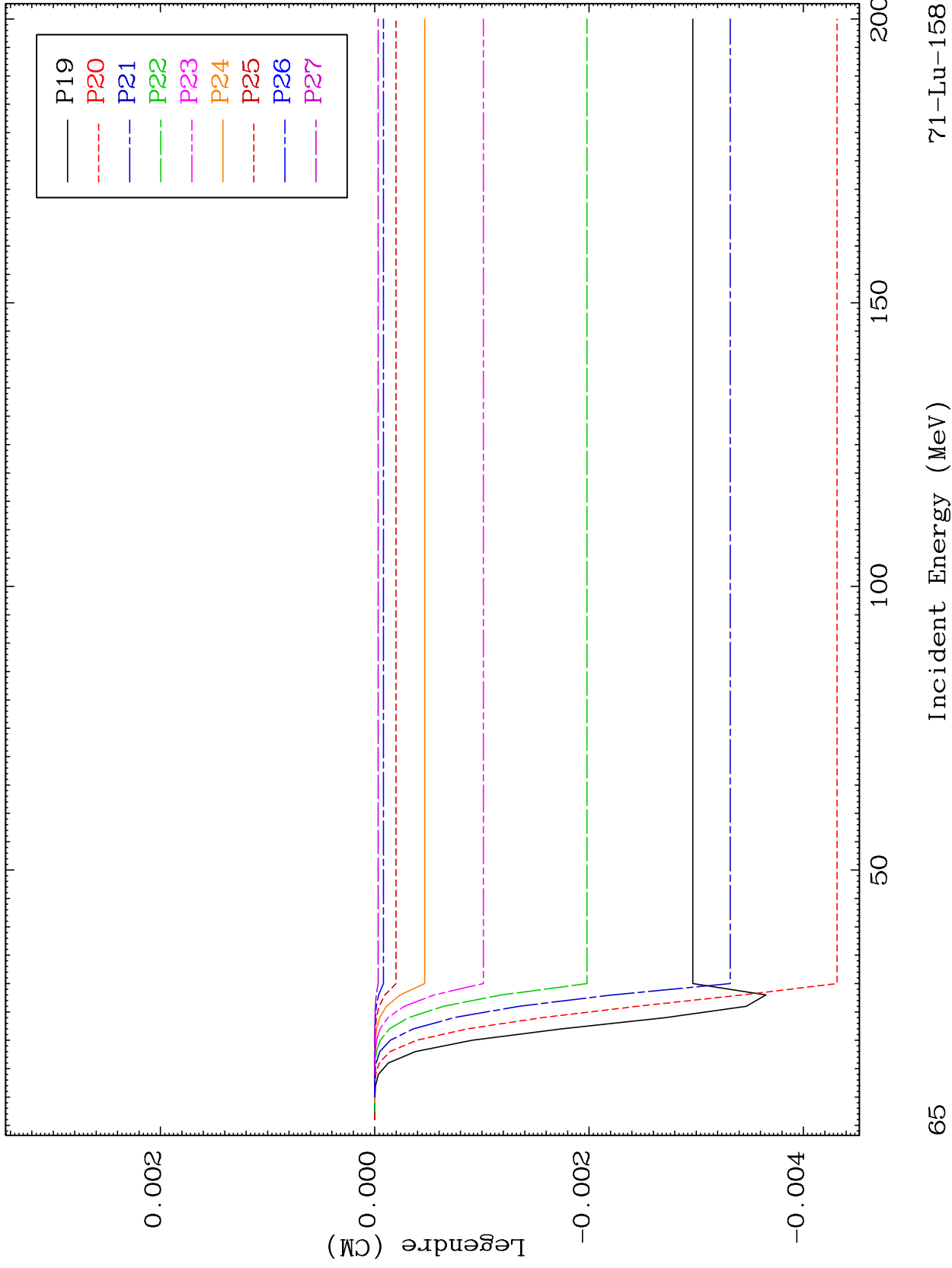
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

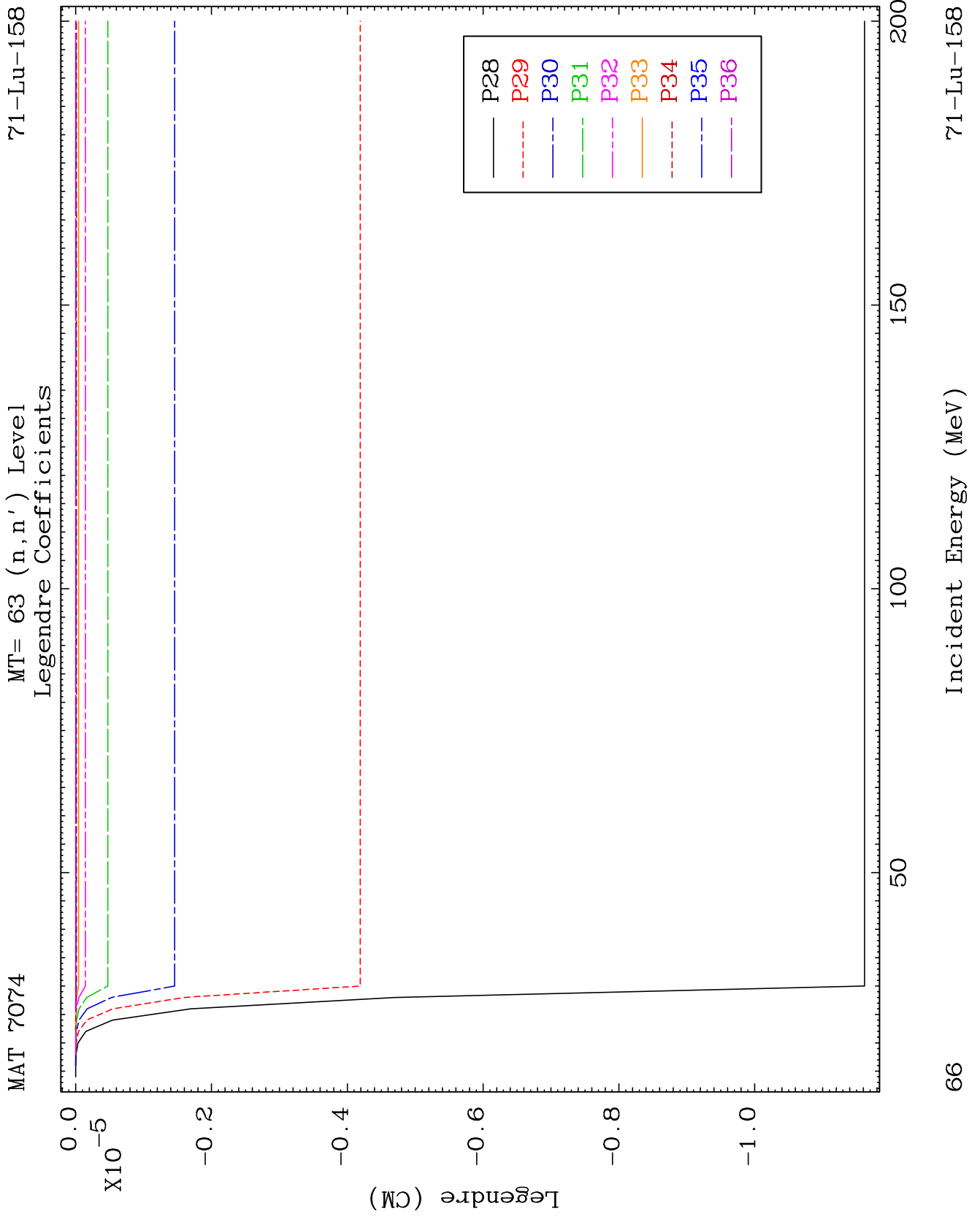
71-Lu-158



65

Incident Energy (MeV)

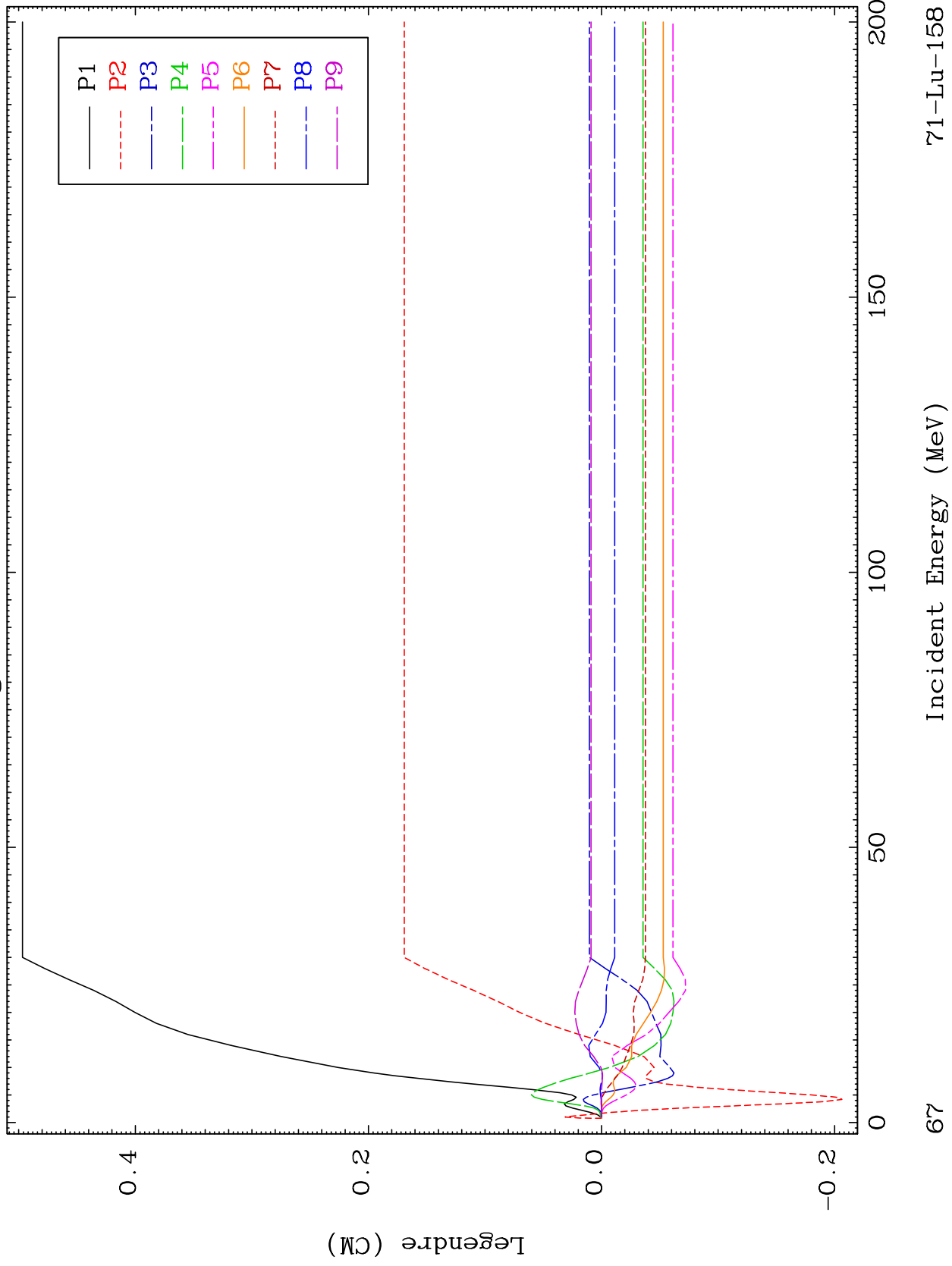
71-Lu-158



MAT 7074

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

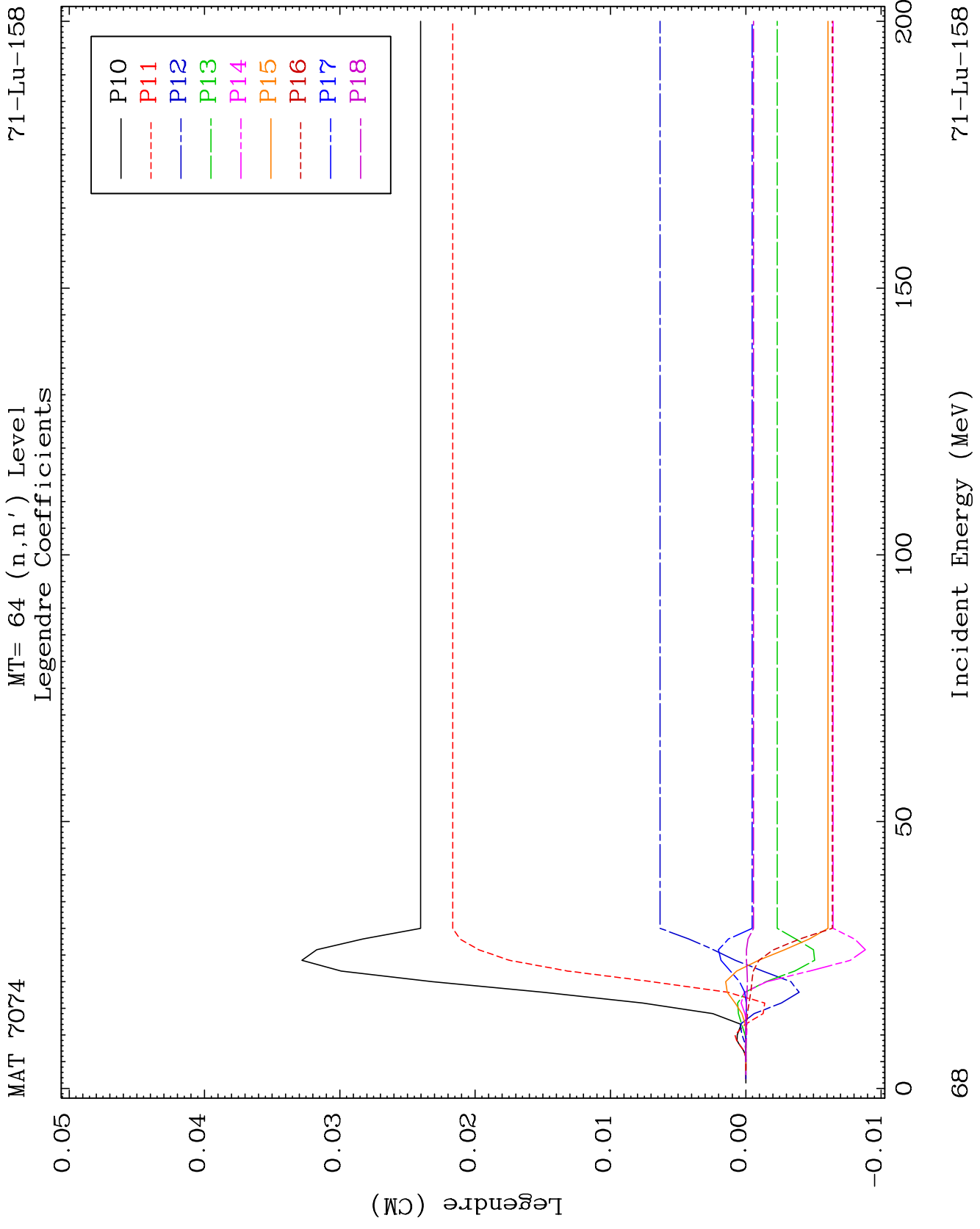
71-Lu-158



71-Lu-158

Incident Energy (MeV)

67



71-Lu-158

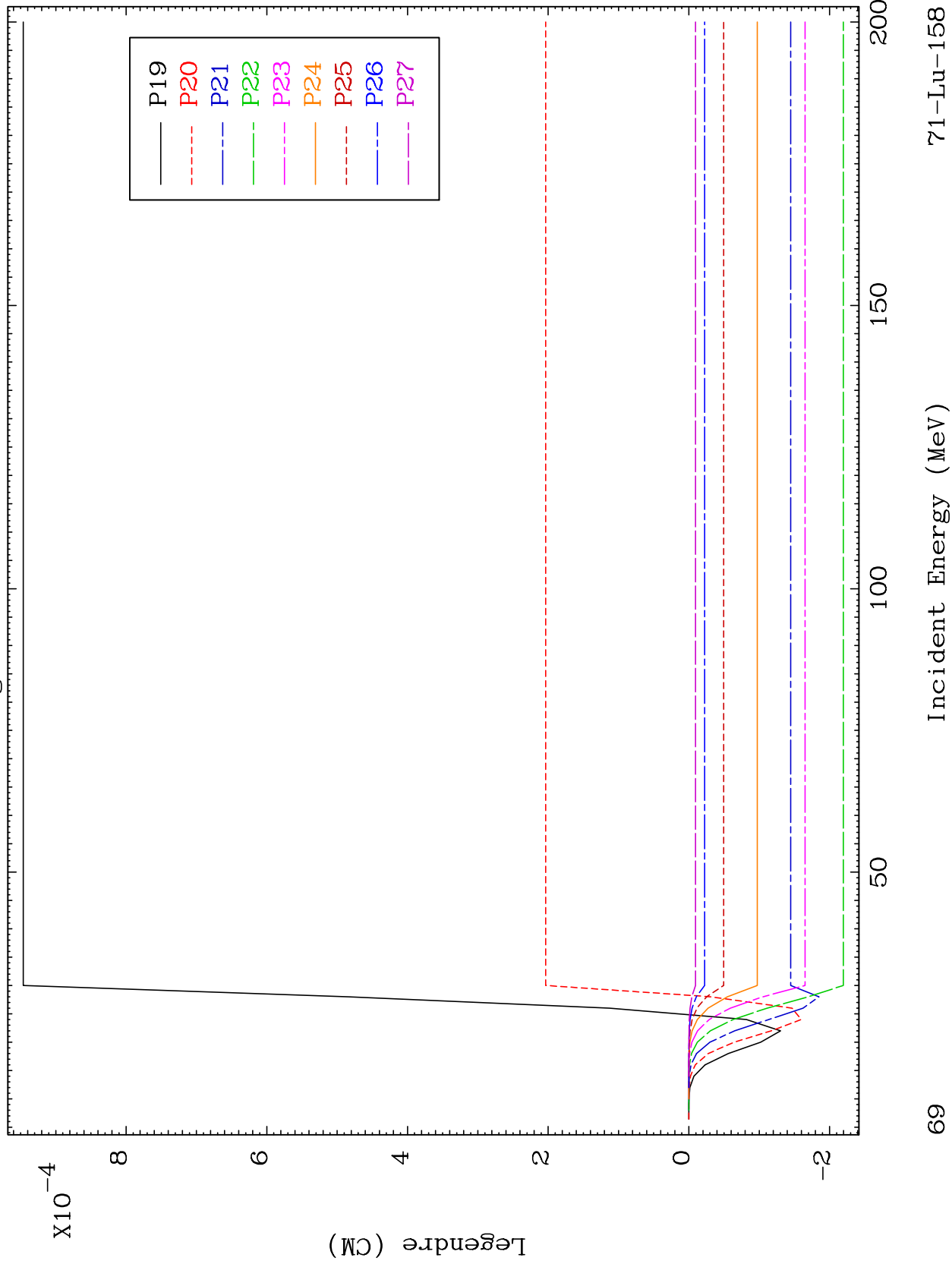
Incident Energy (MeV)

68

MAT 7074

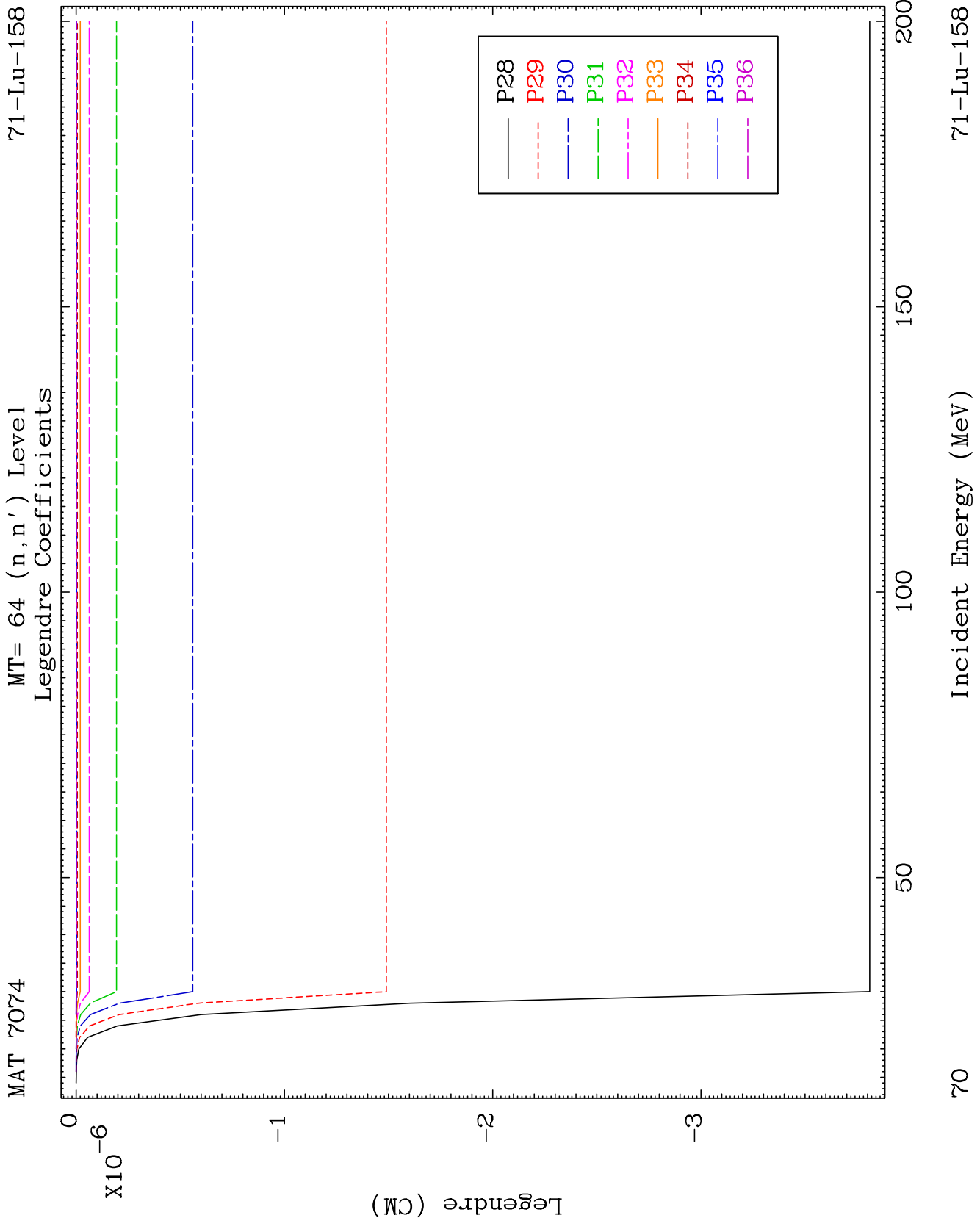
MT= 64 (n,n') Level
Legendre Coefficients

71-Lu-158



69

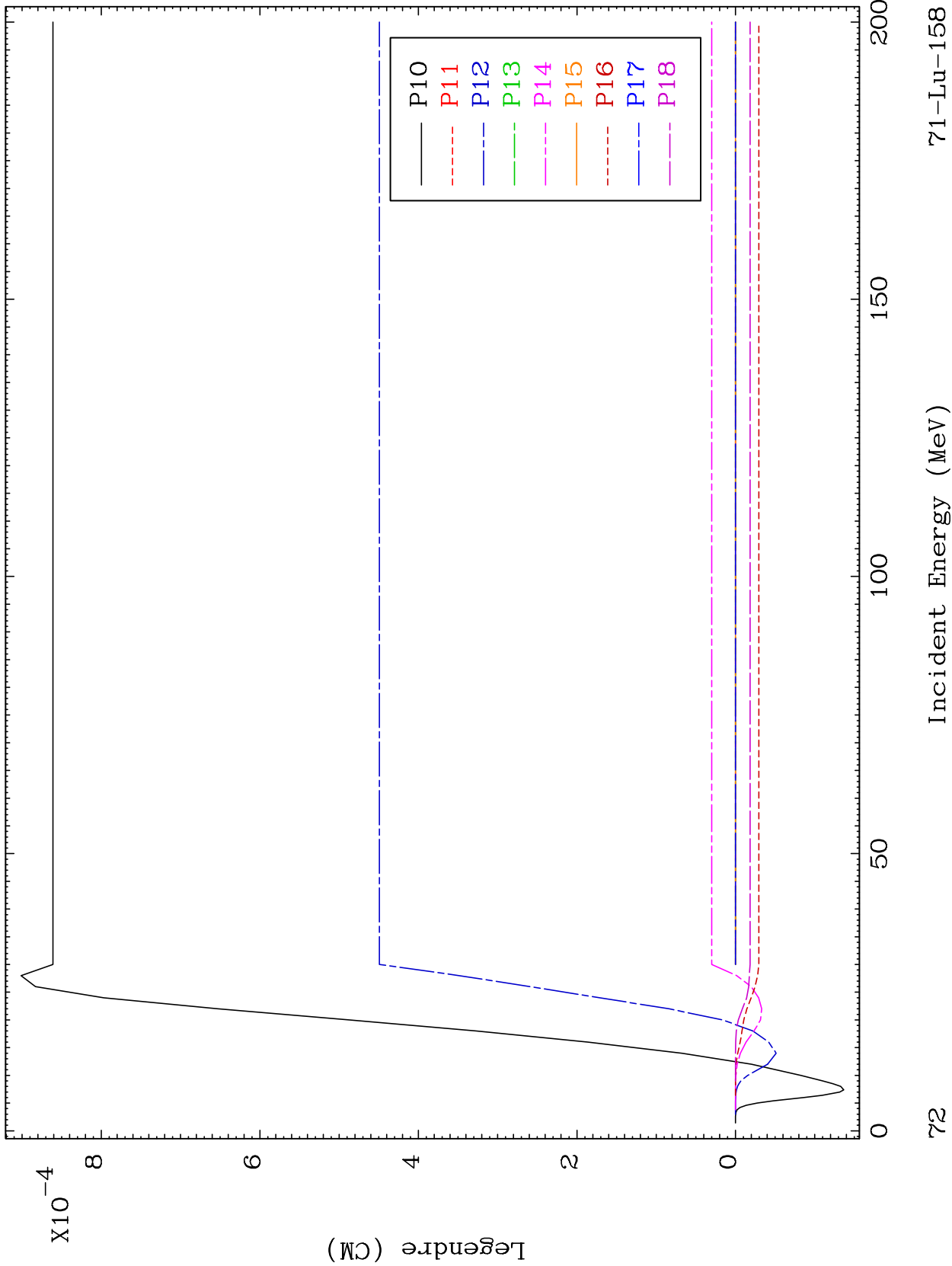
71-Lu-158



MAT 7074

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

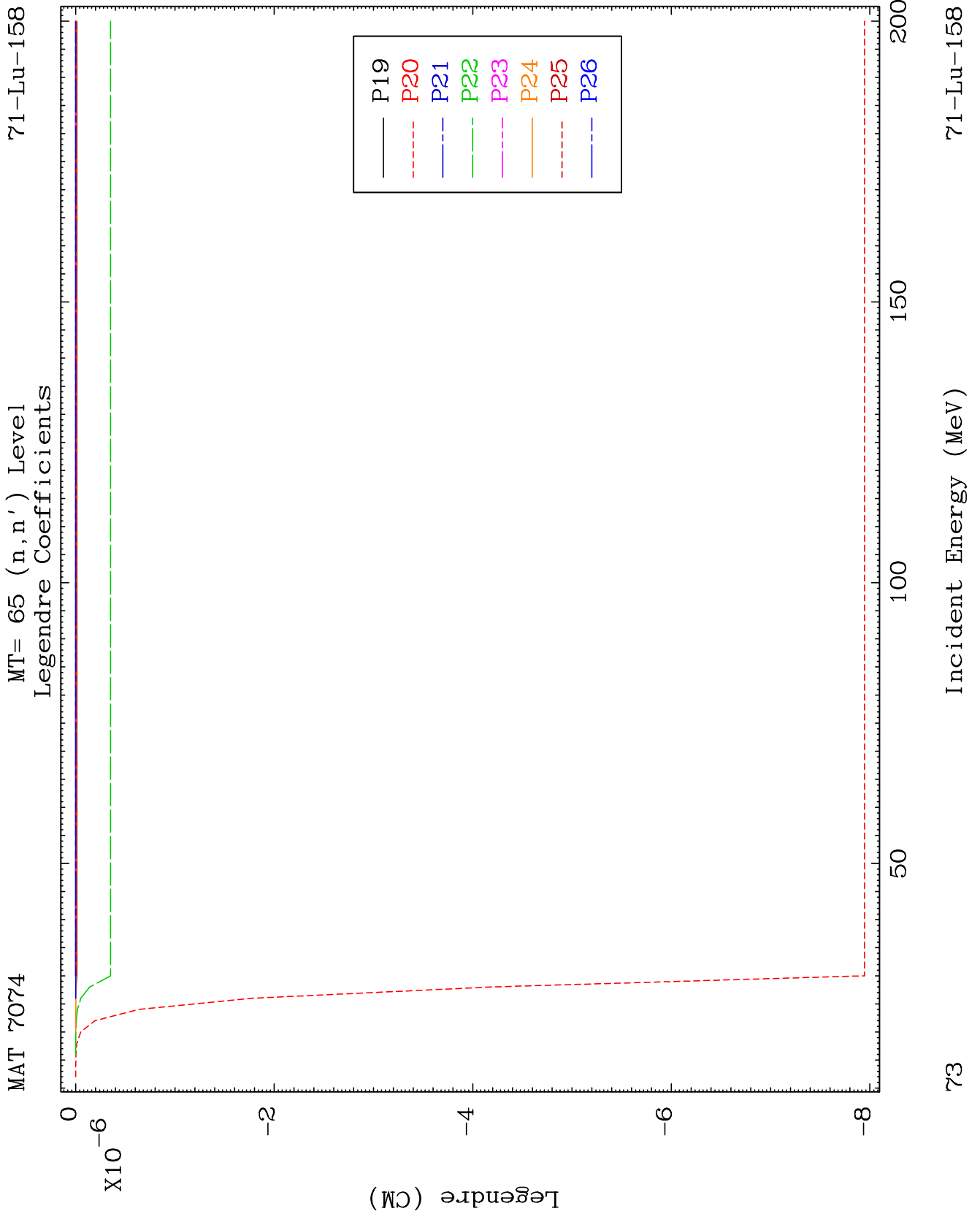
71-Lu-158

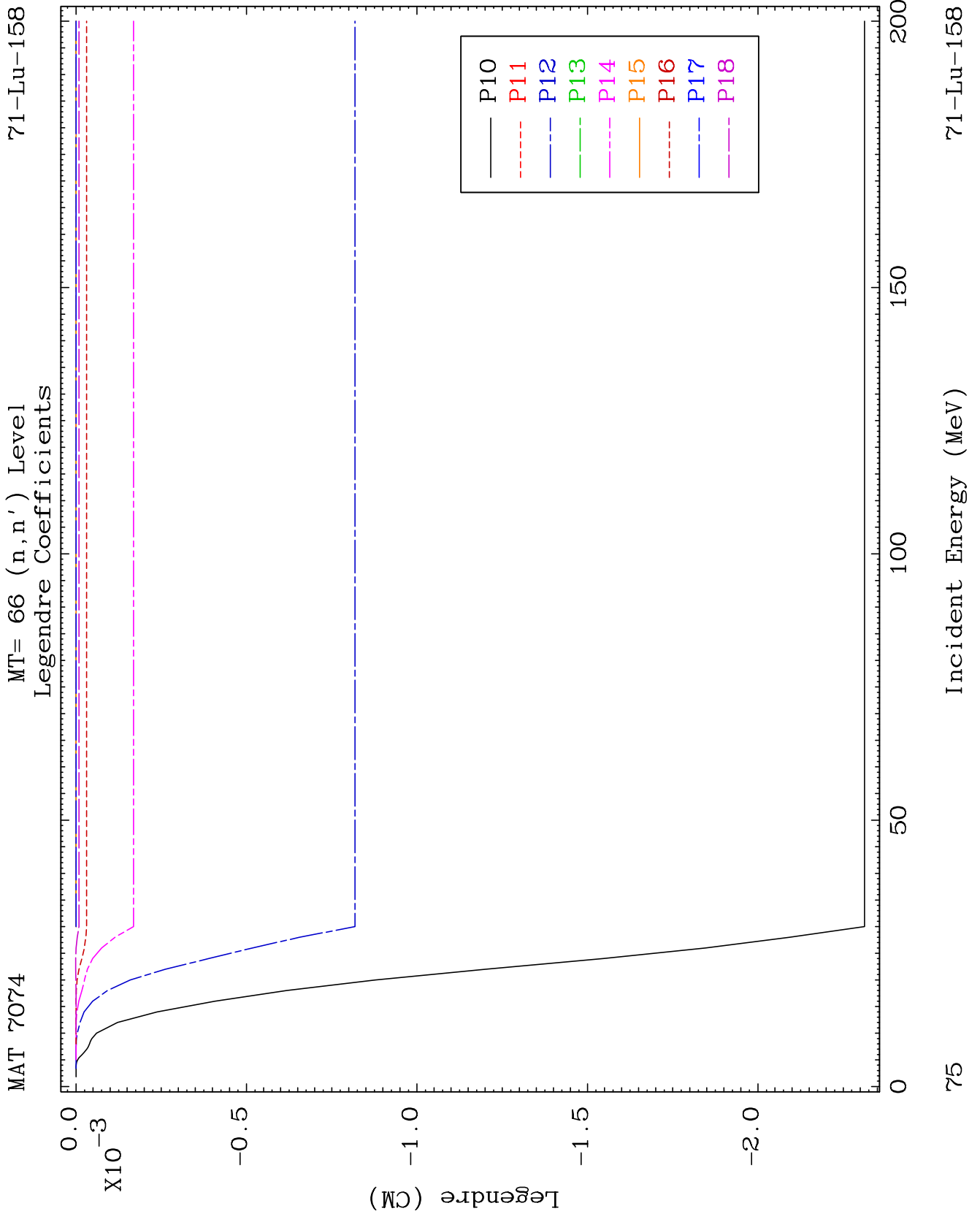


71-Lu-158

Incident Energy (MeV)

72

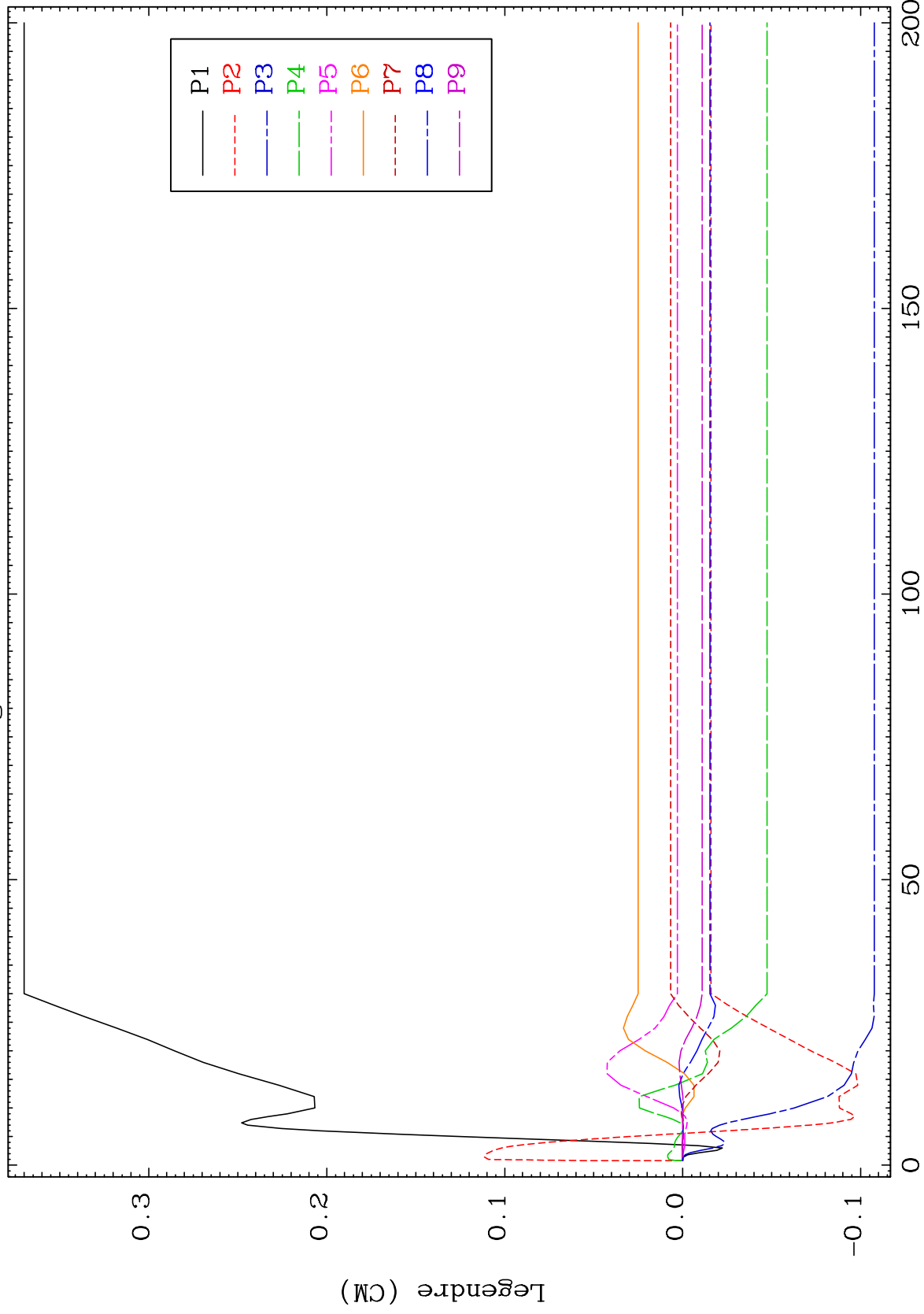




MAT 7074

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

71-Lu-158



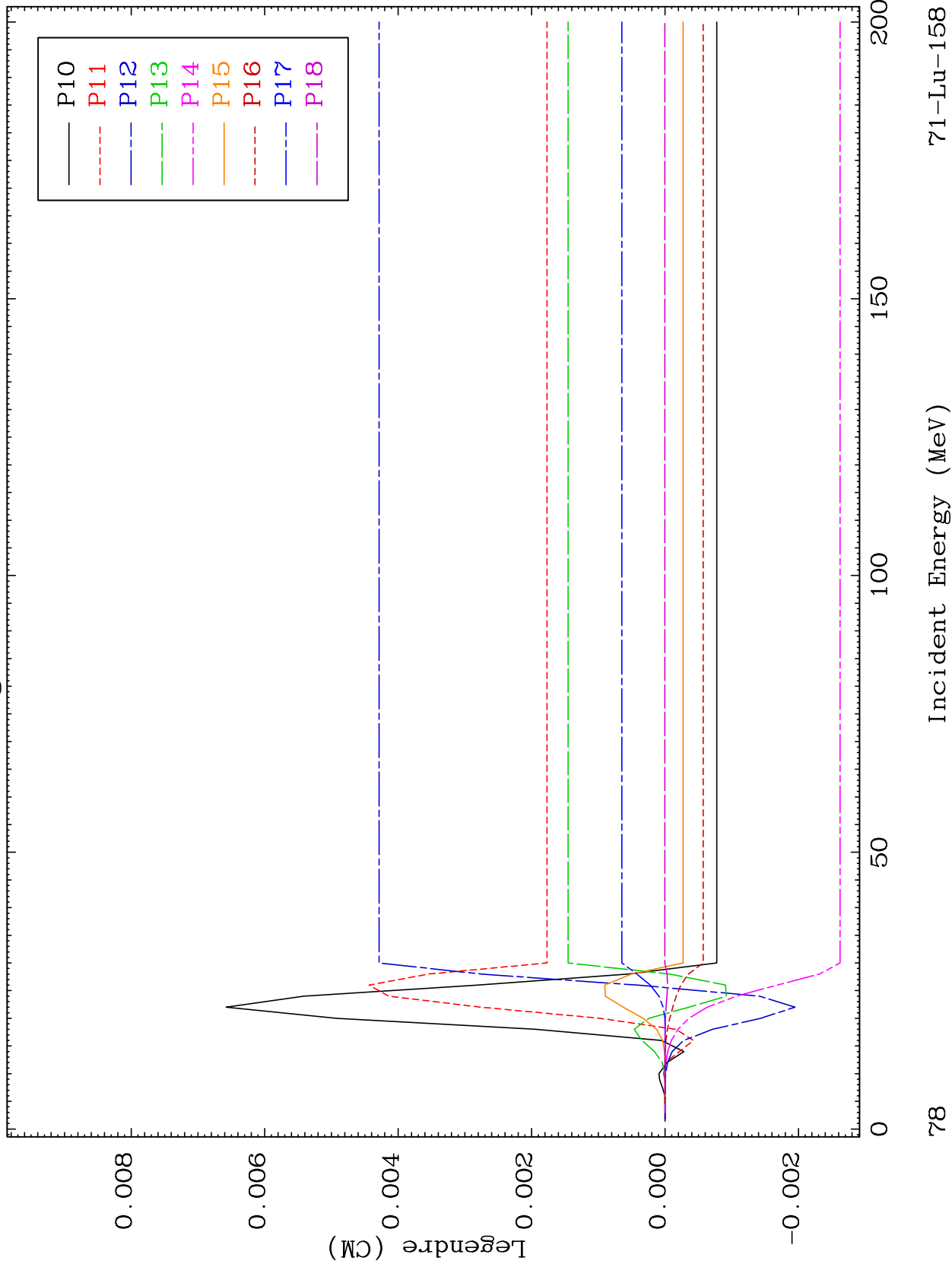
77

71-Lu-158

MAT 7074

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

71-Lu-158



78

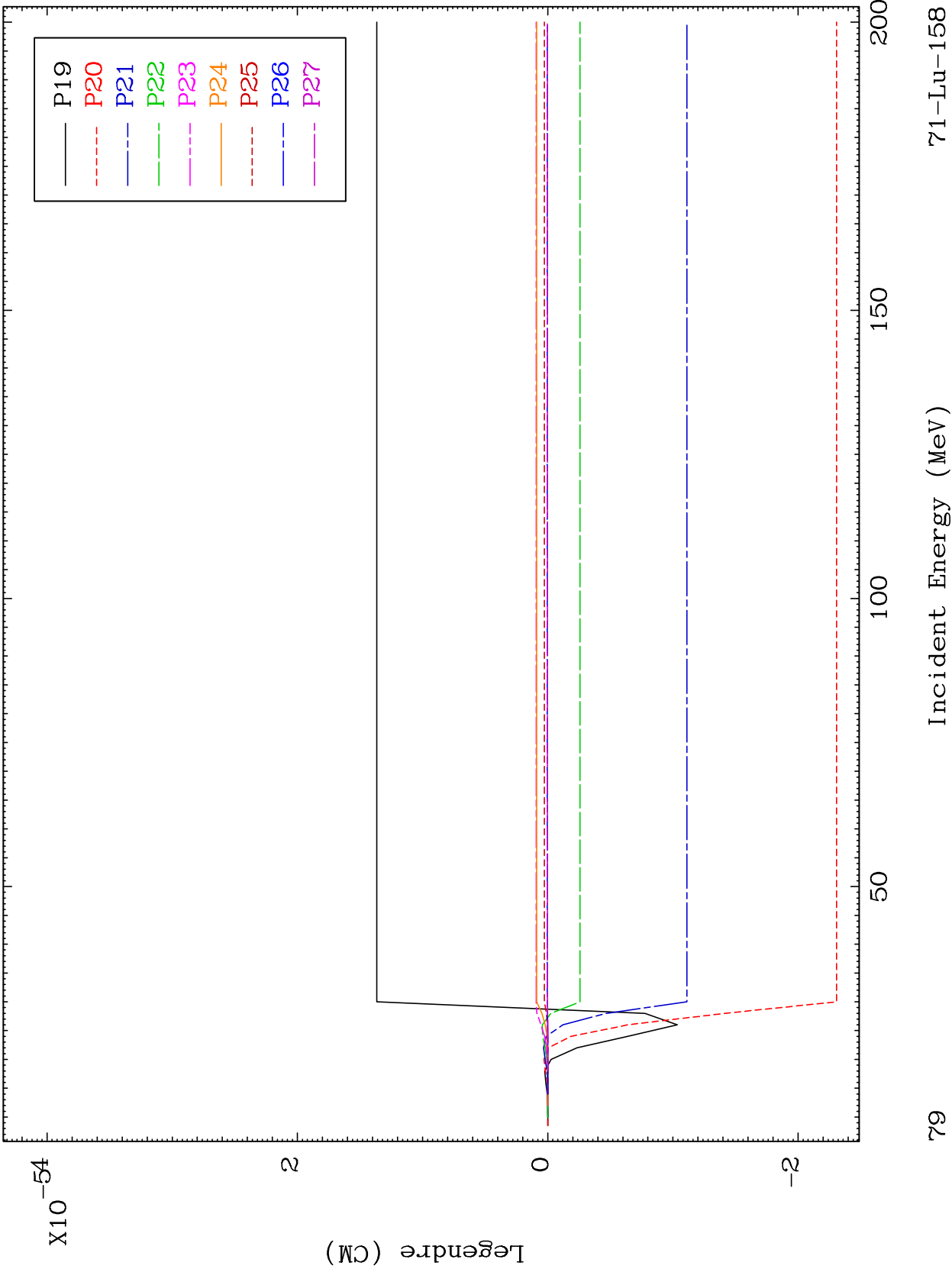
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



79

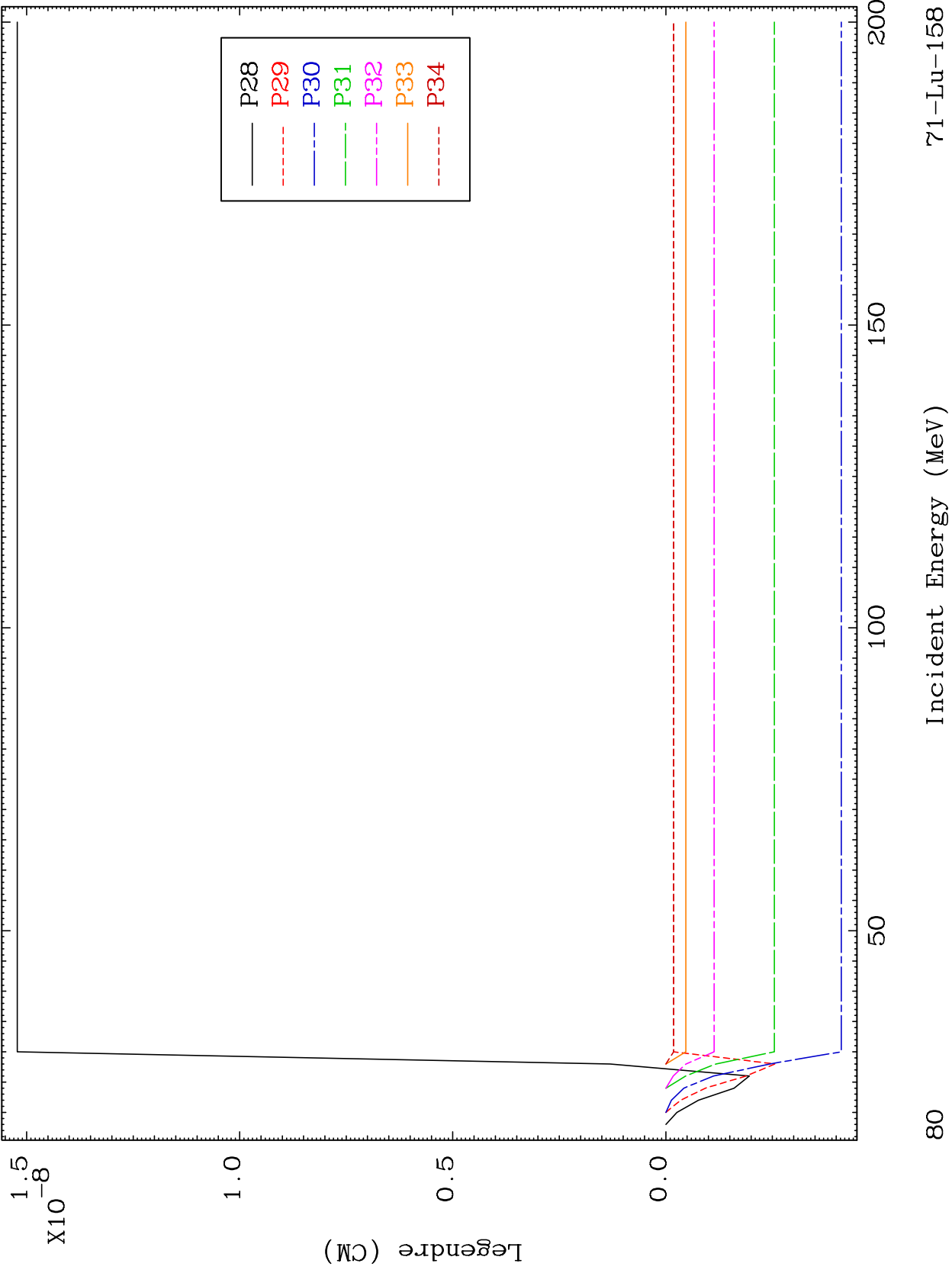
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158

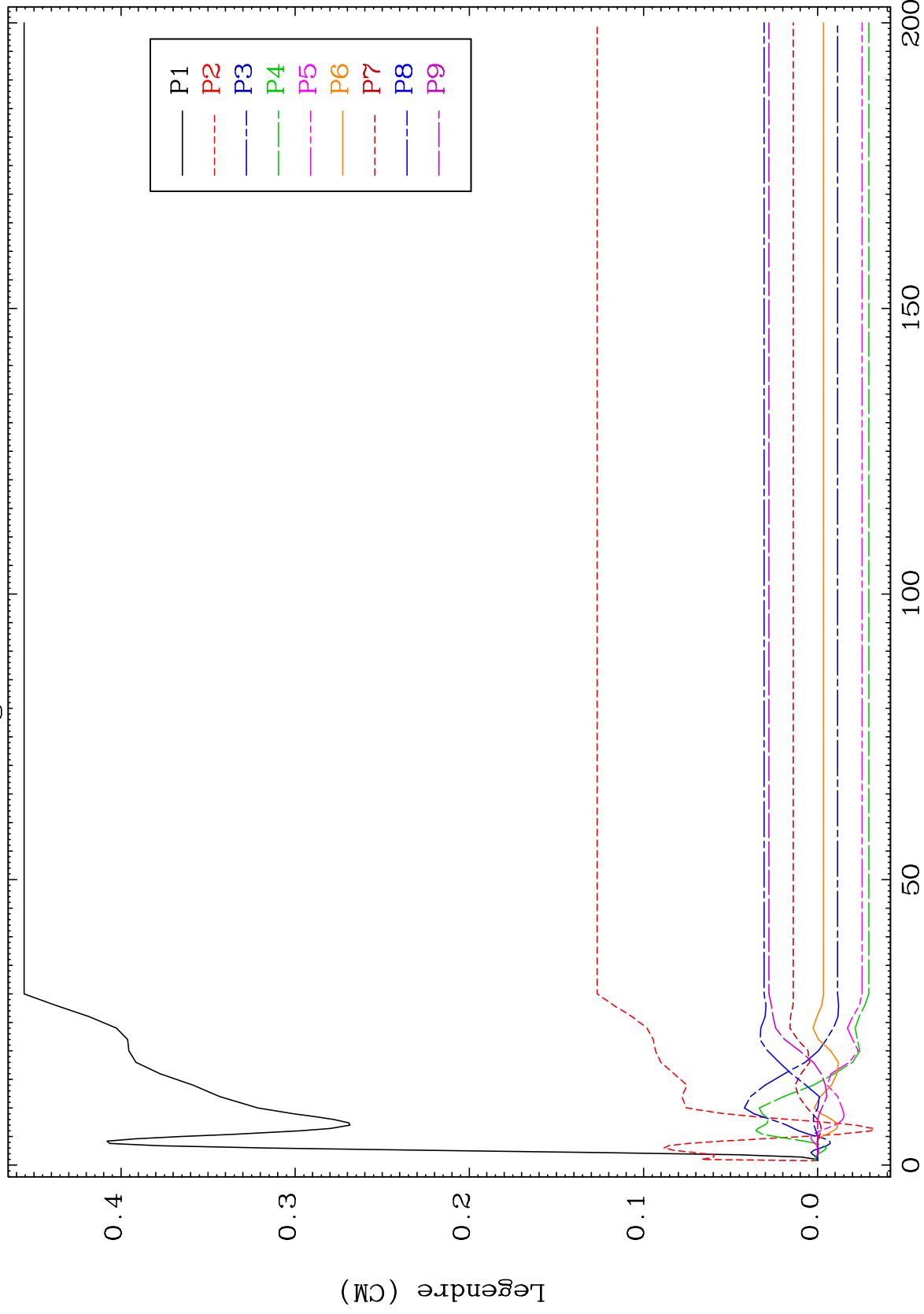


71-Lu-158

MAT 7074

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

71-Lu-158



81

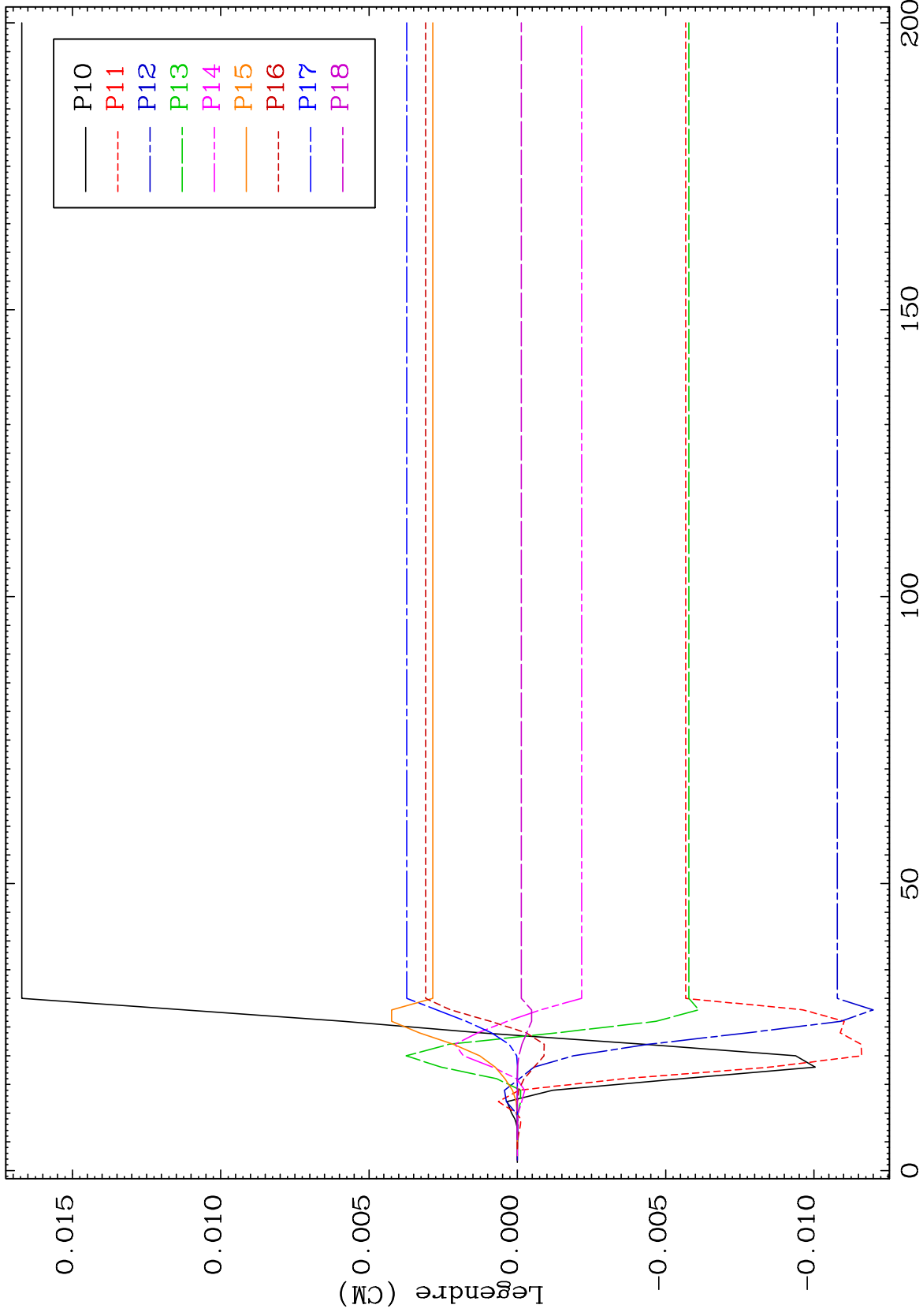
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



82

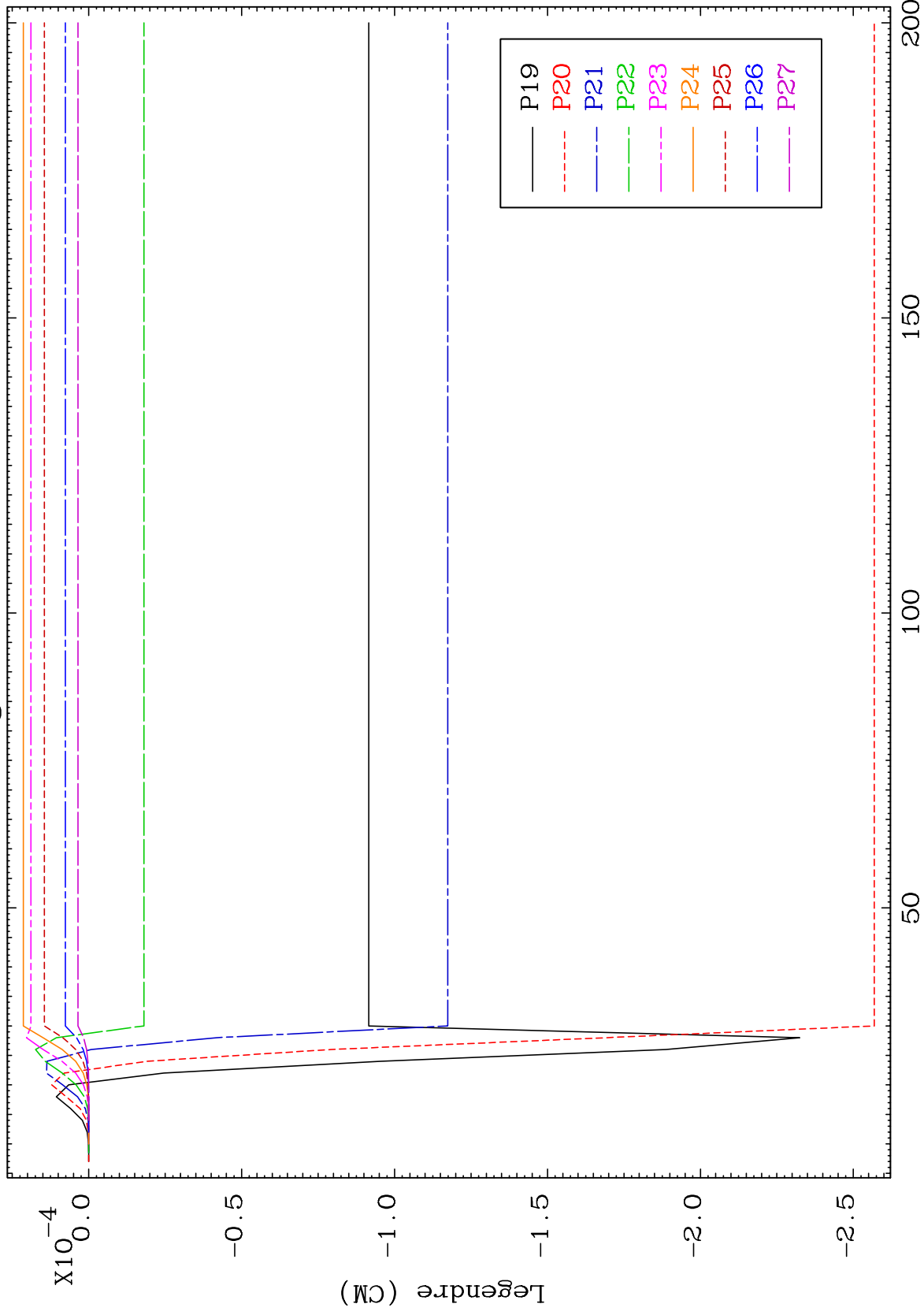
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

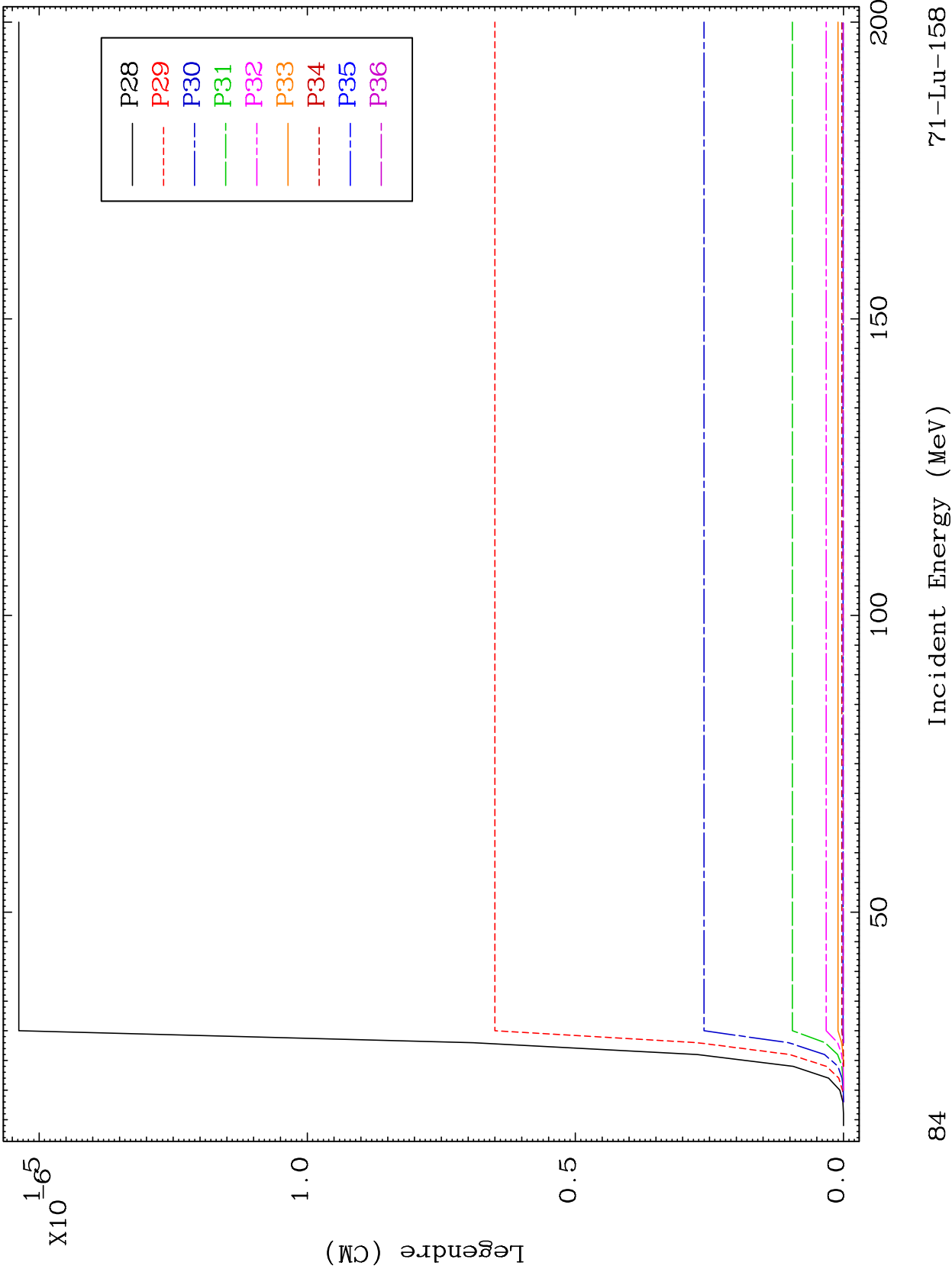
71-Lu-158



MAT 7074

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

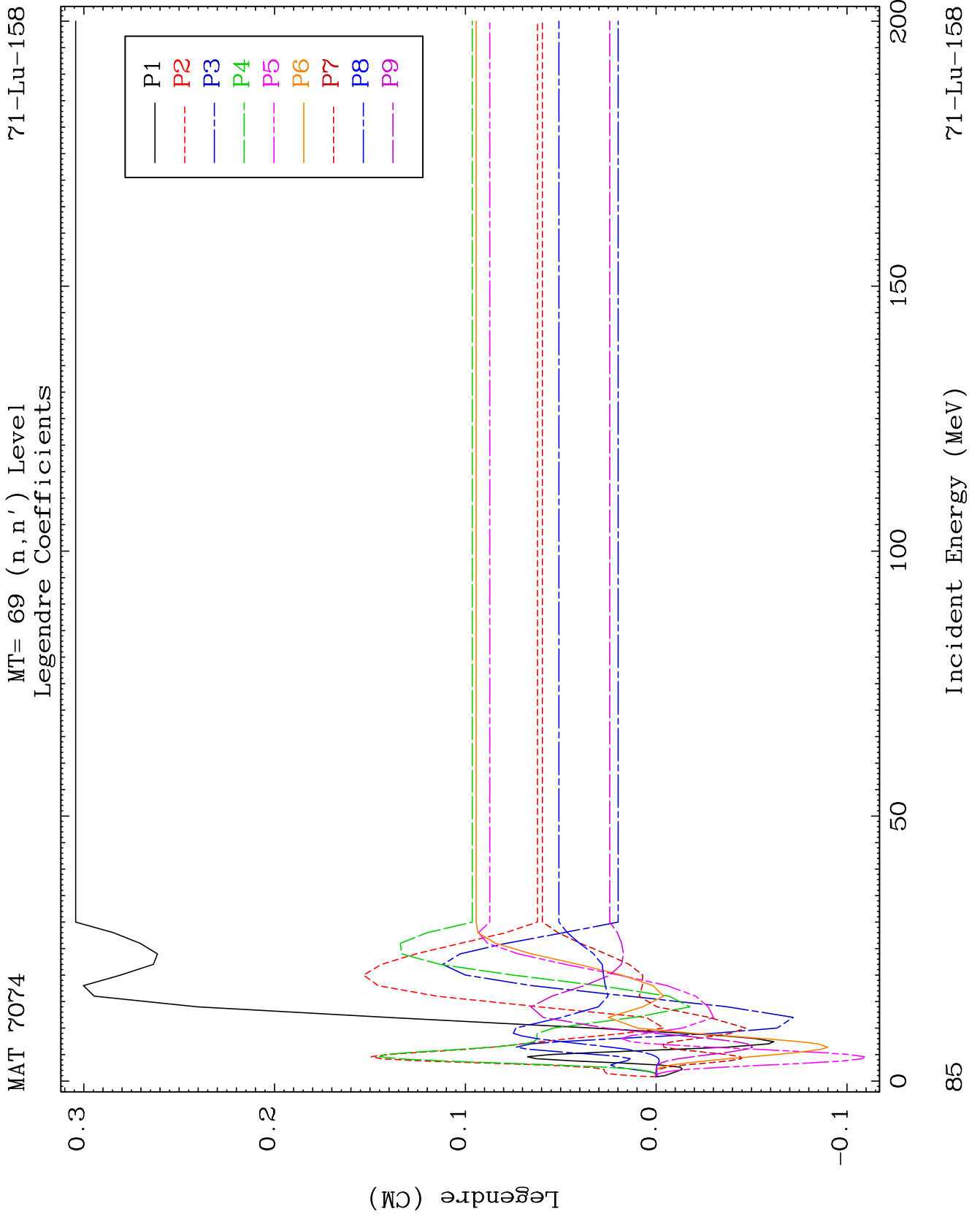
71-Lu-158



84

Incident Energy (MeV)

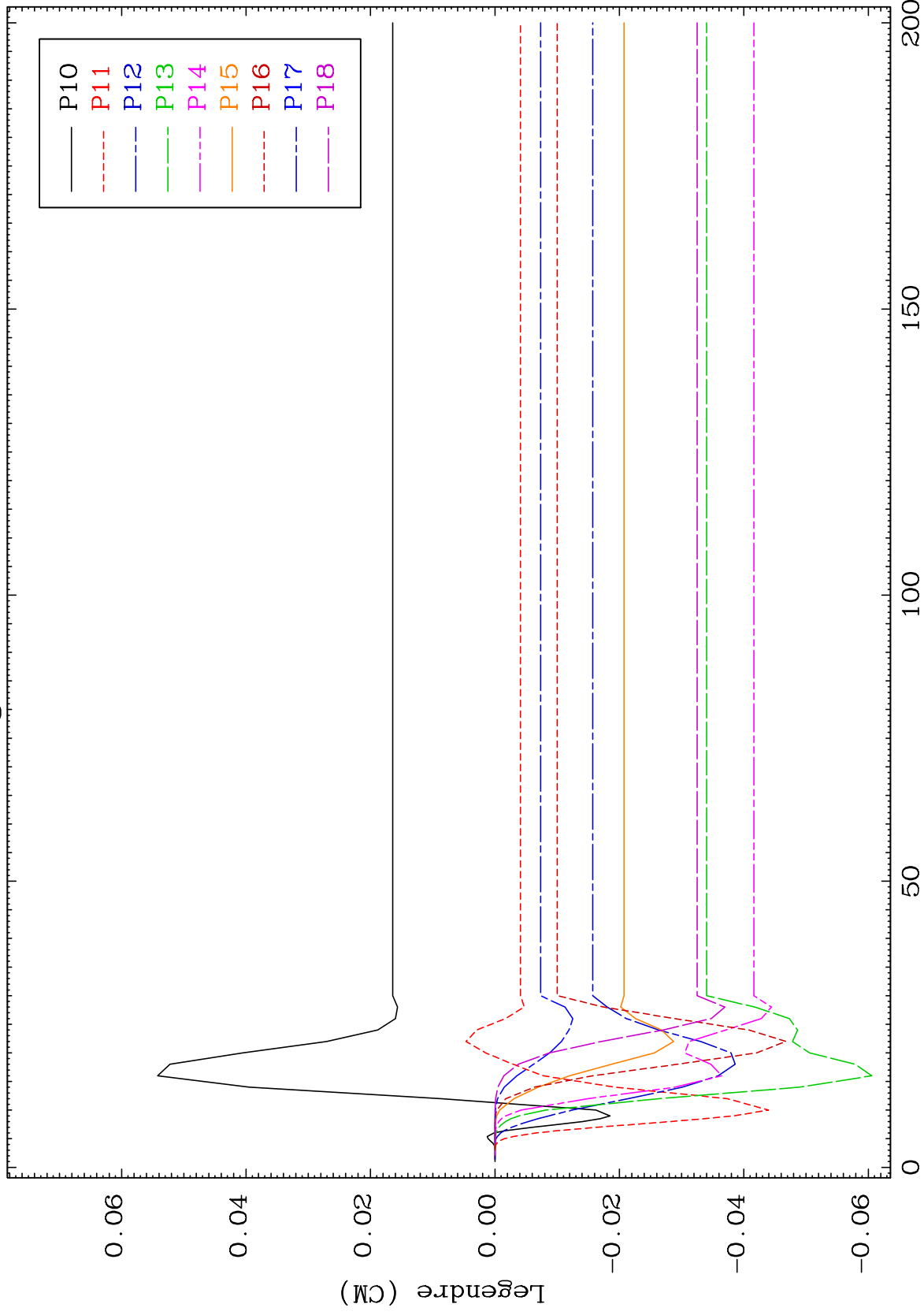
71-Lu-158



MAT 7074

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

71-Lu-158



86

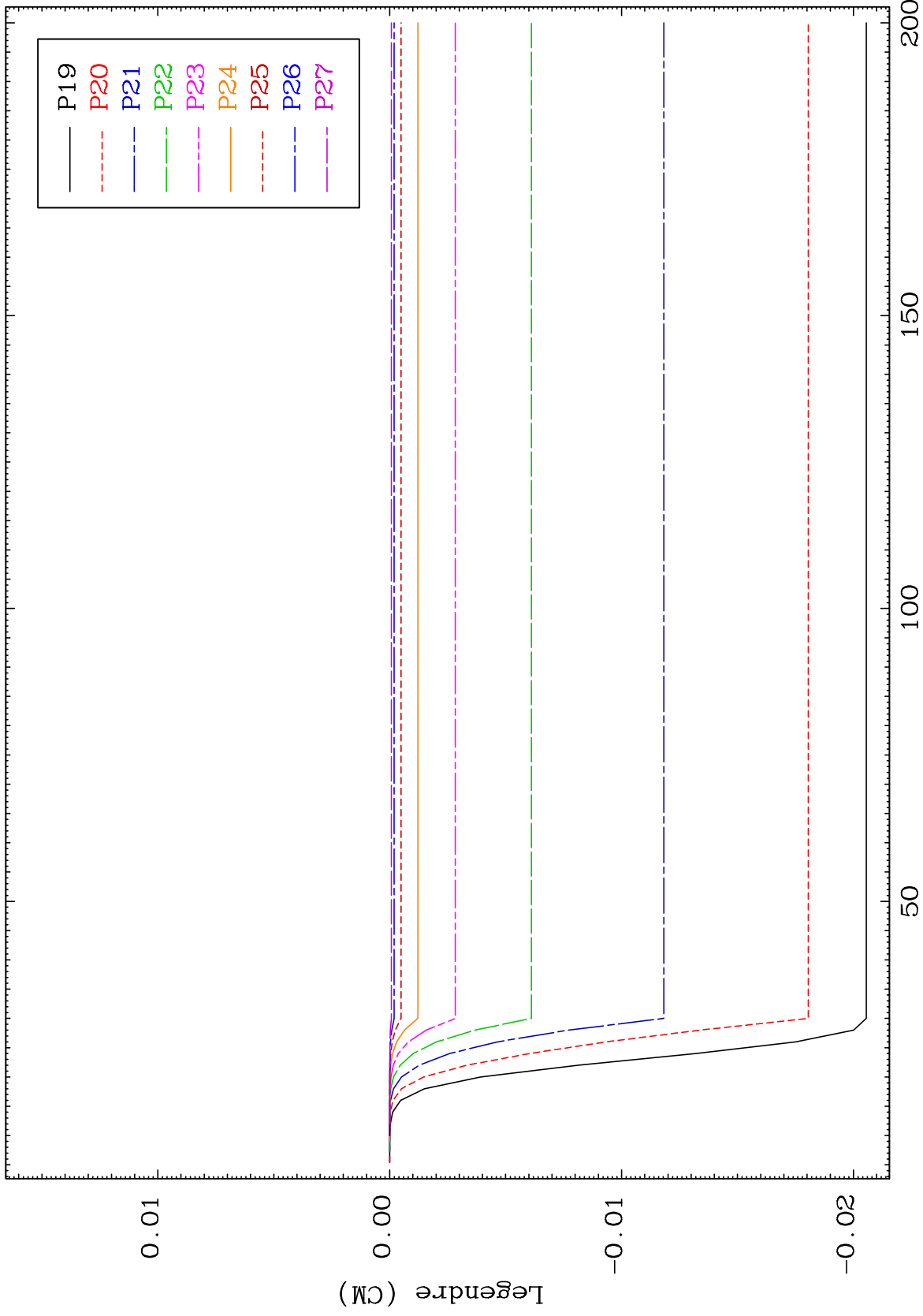
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

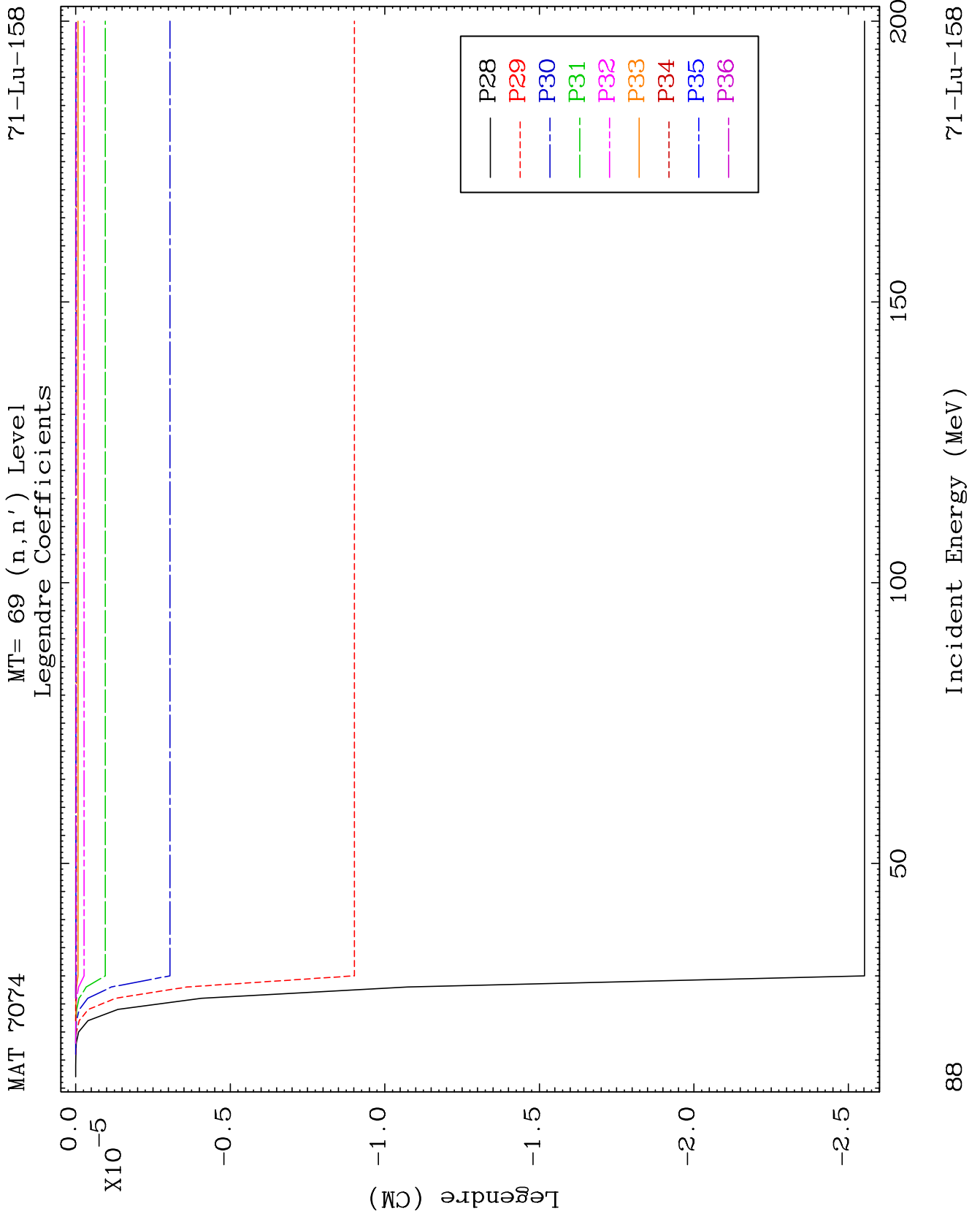
71-Lu-158

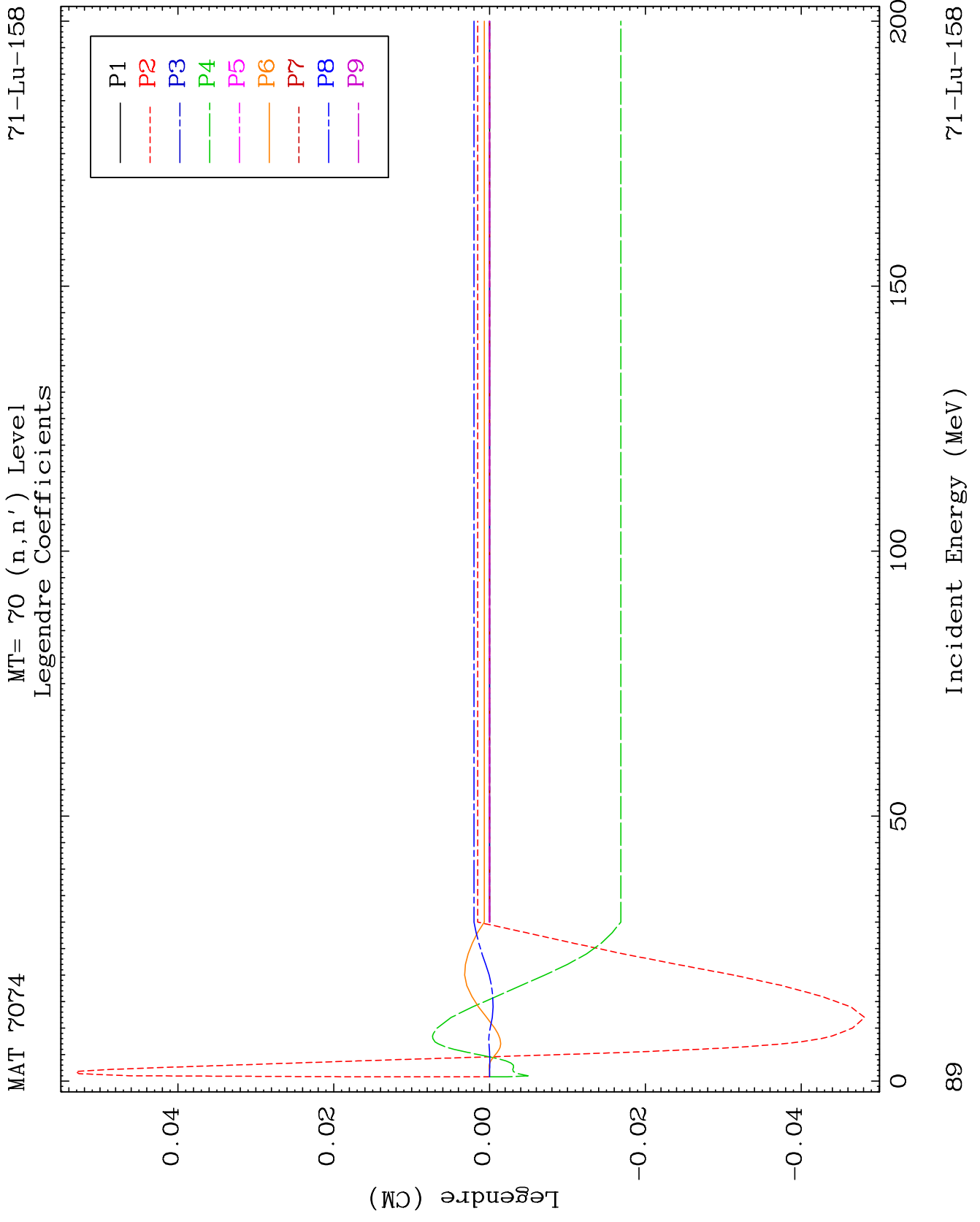


87

Incident Energy (MeV)

71-Lu-158

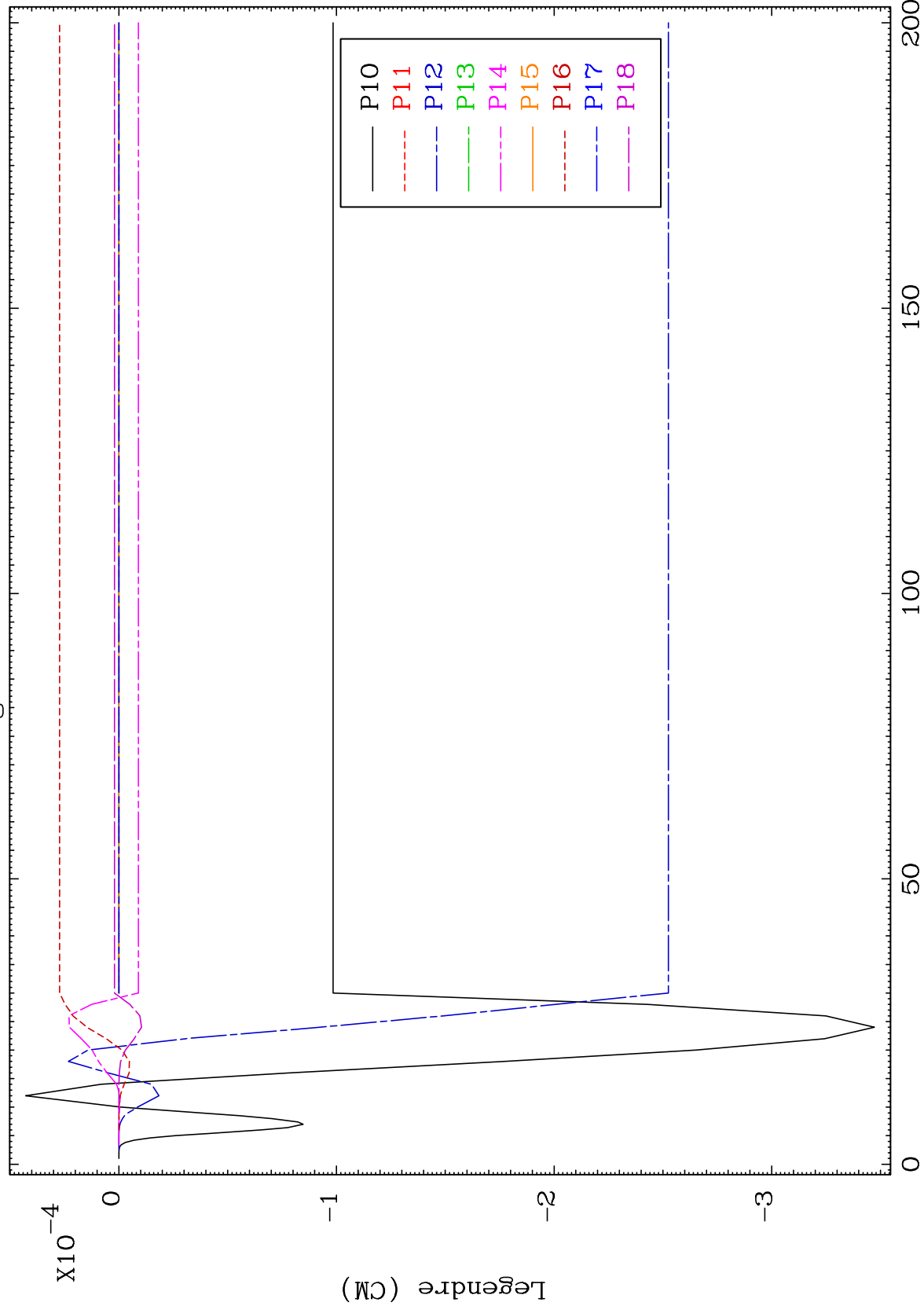




MAT 7074

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

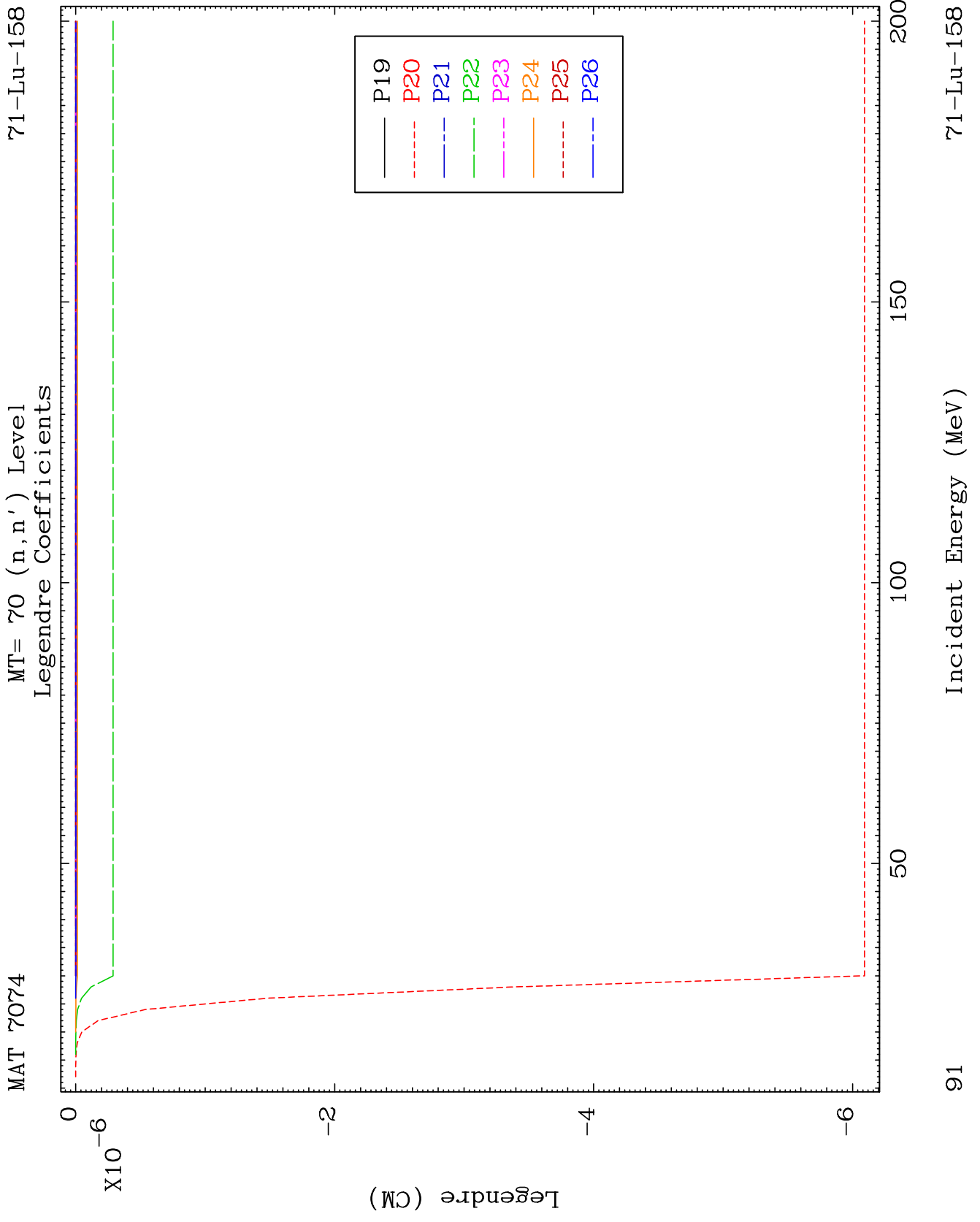
71-Lu-158



71-Lu-158

Incident Energy (MeV)

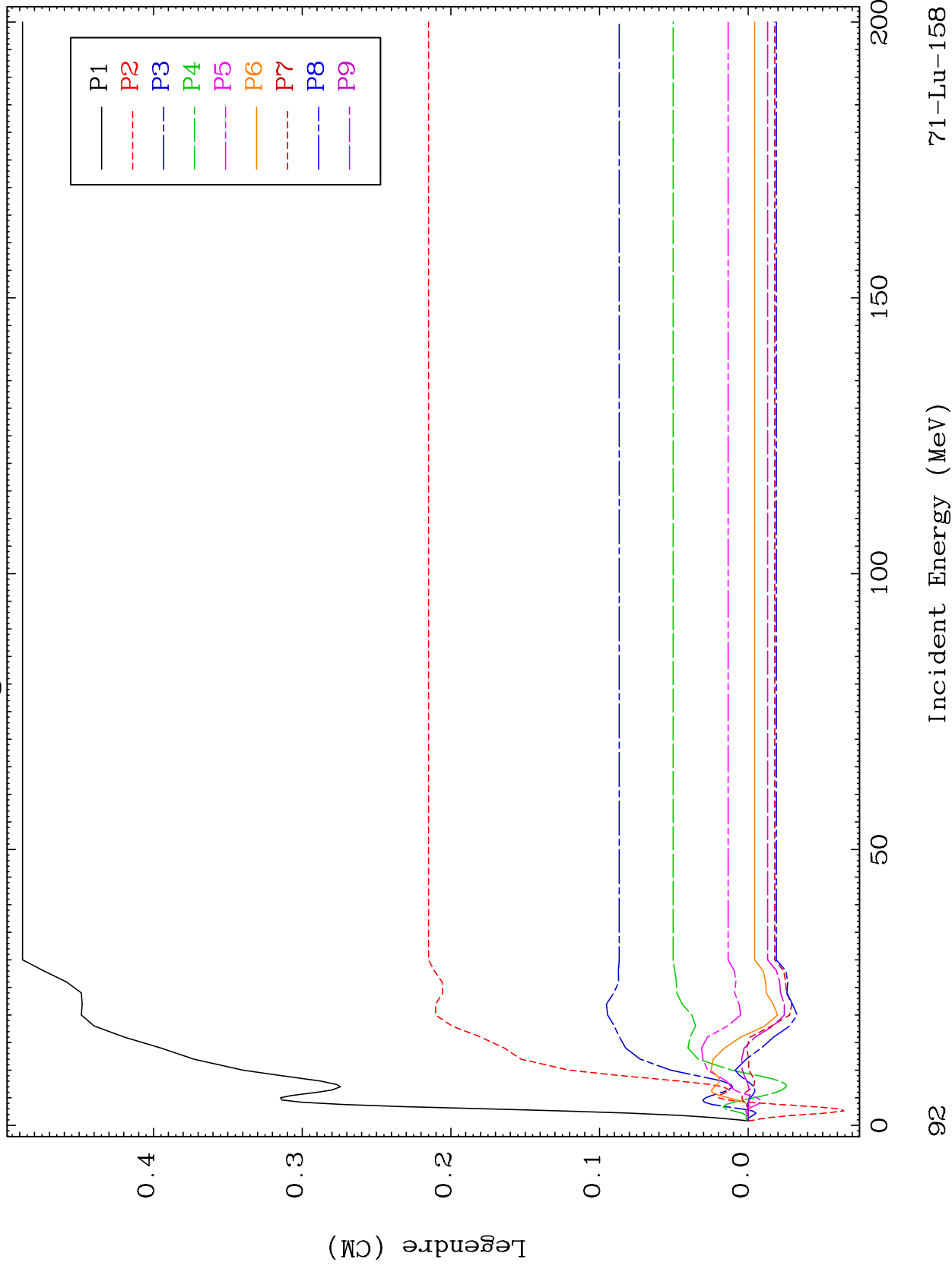
90



MAT 7074

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

71-Lu-158



71-Lu-158

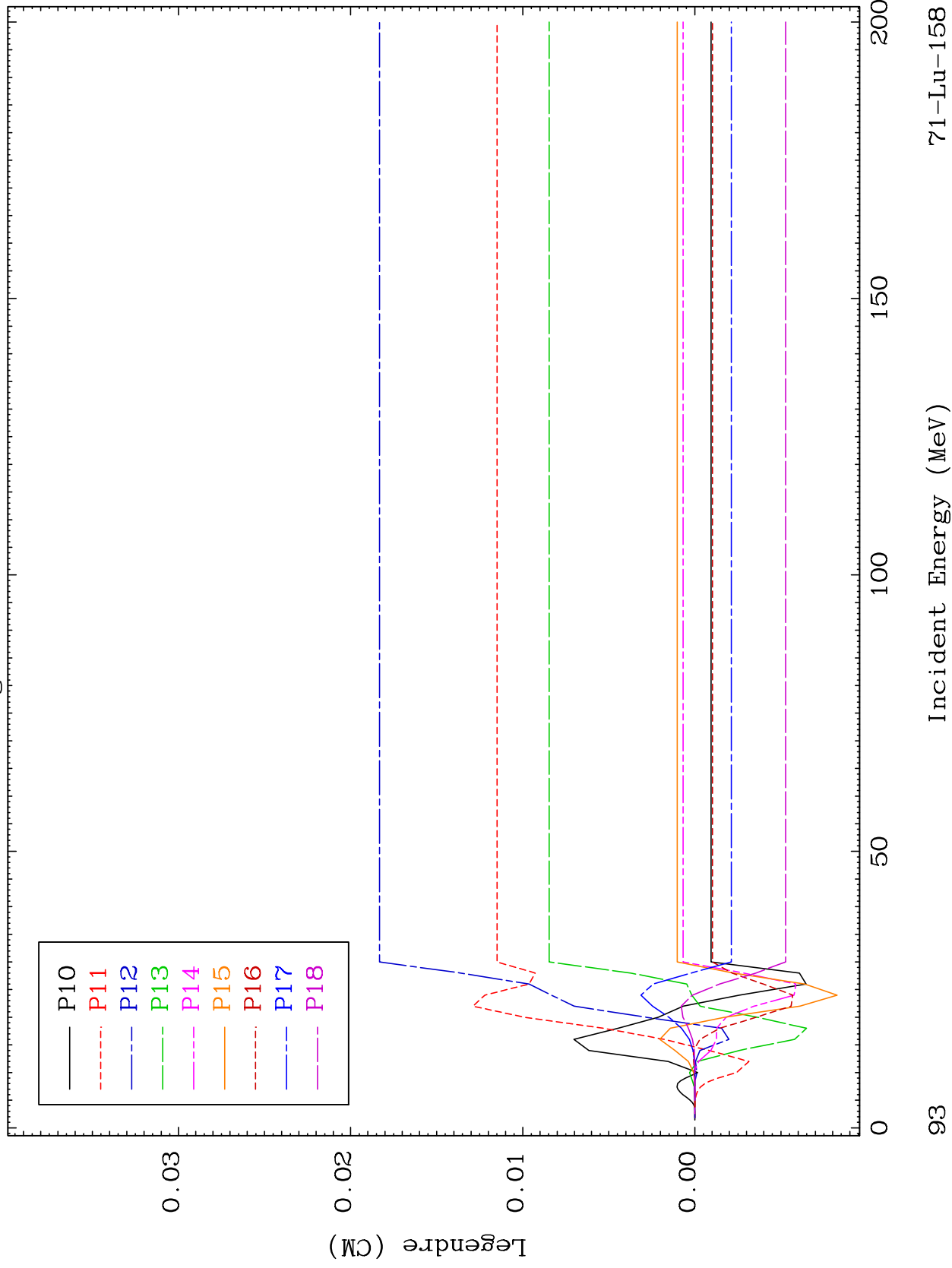
Incident Energy (MeV)

92

MAT 7074

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

71-Lu-158



93

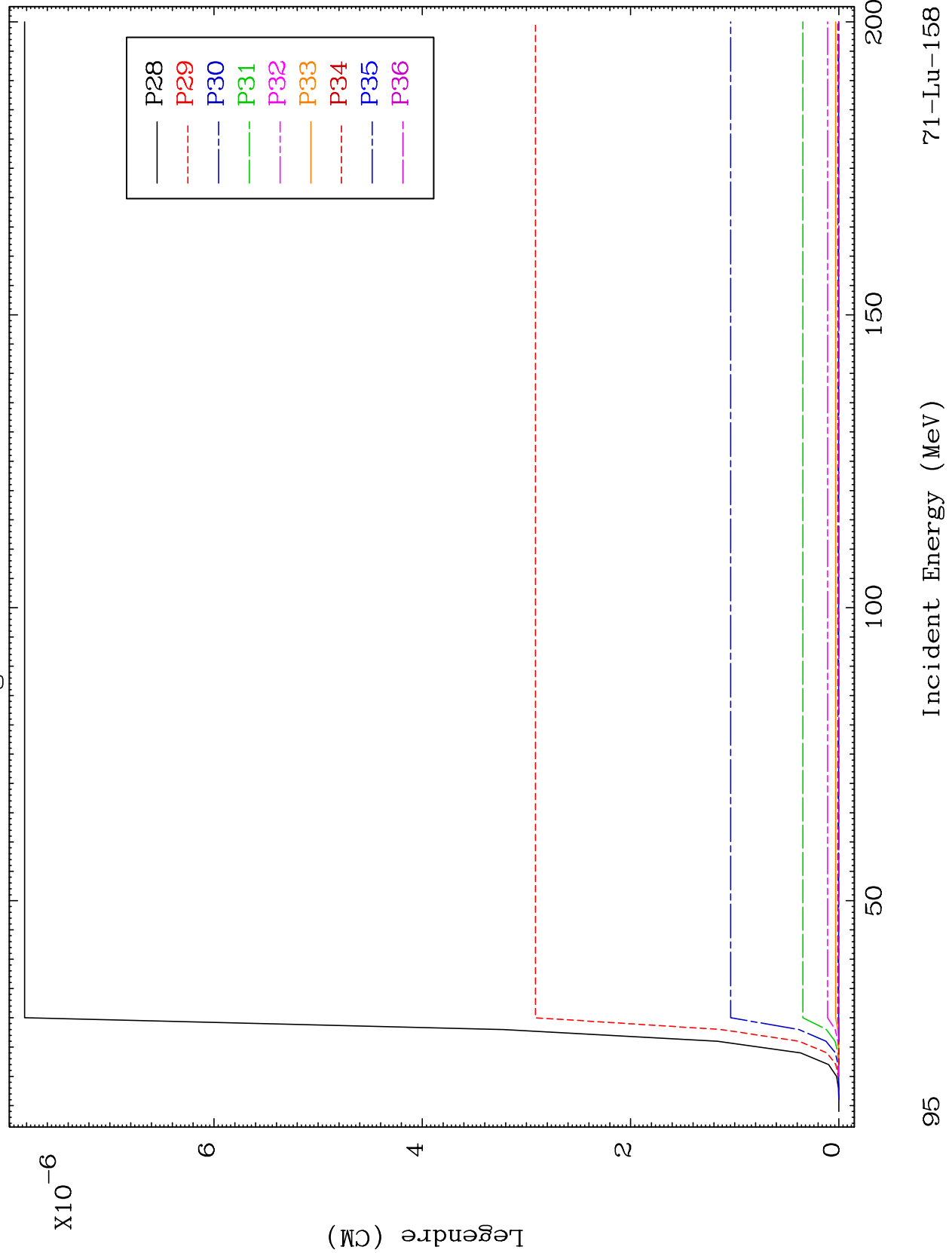
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



71-Lu-158

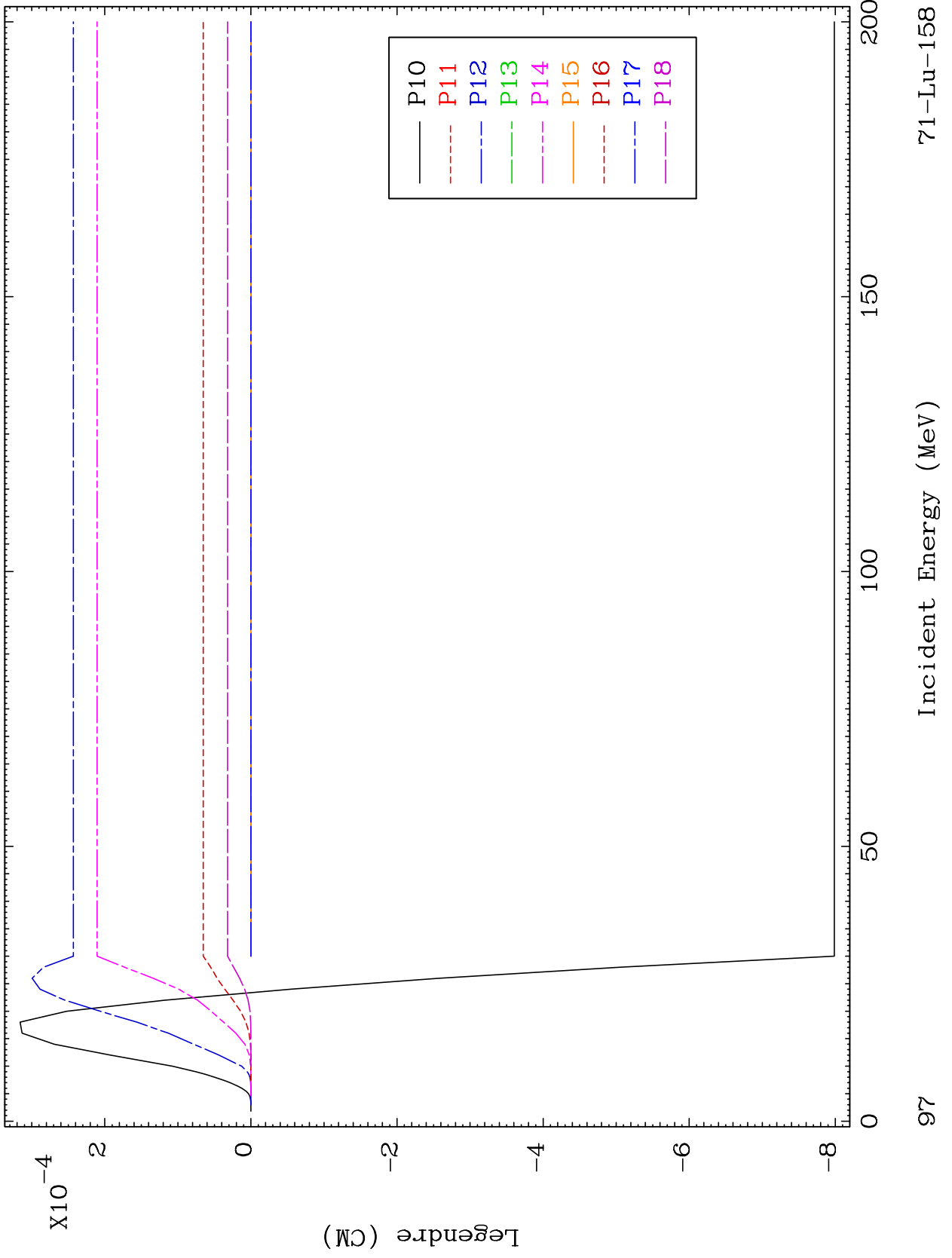
Incident Energy (MeV)

95

MAT 7074

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

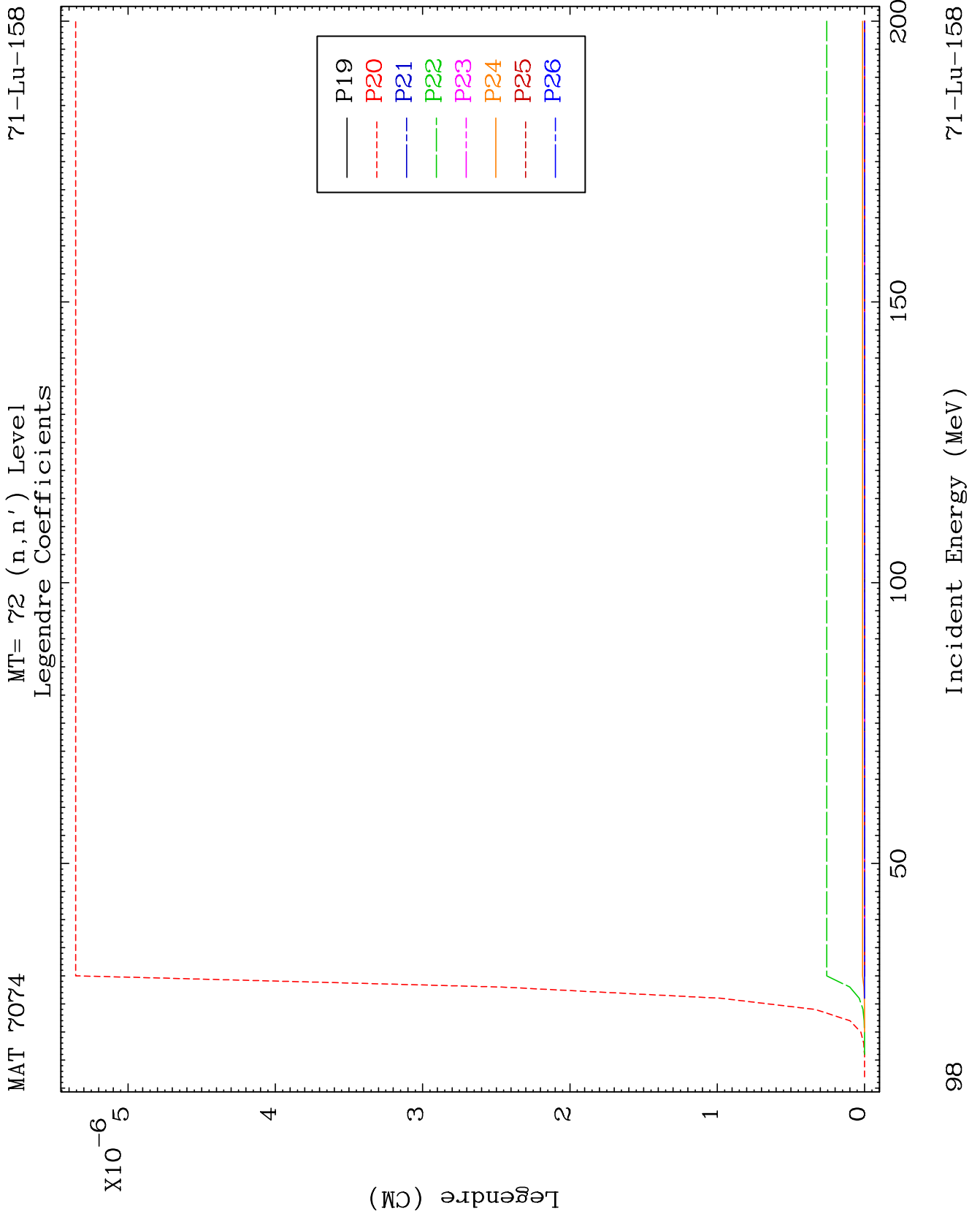
71-Lu-158

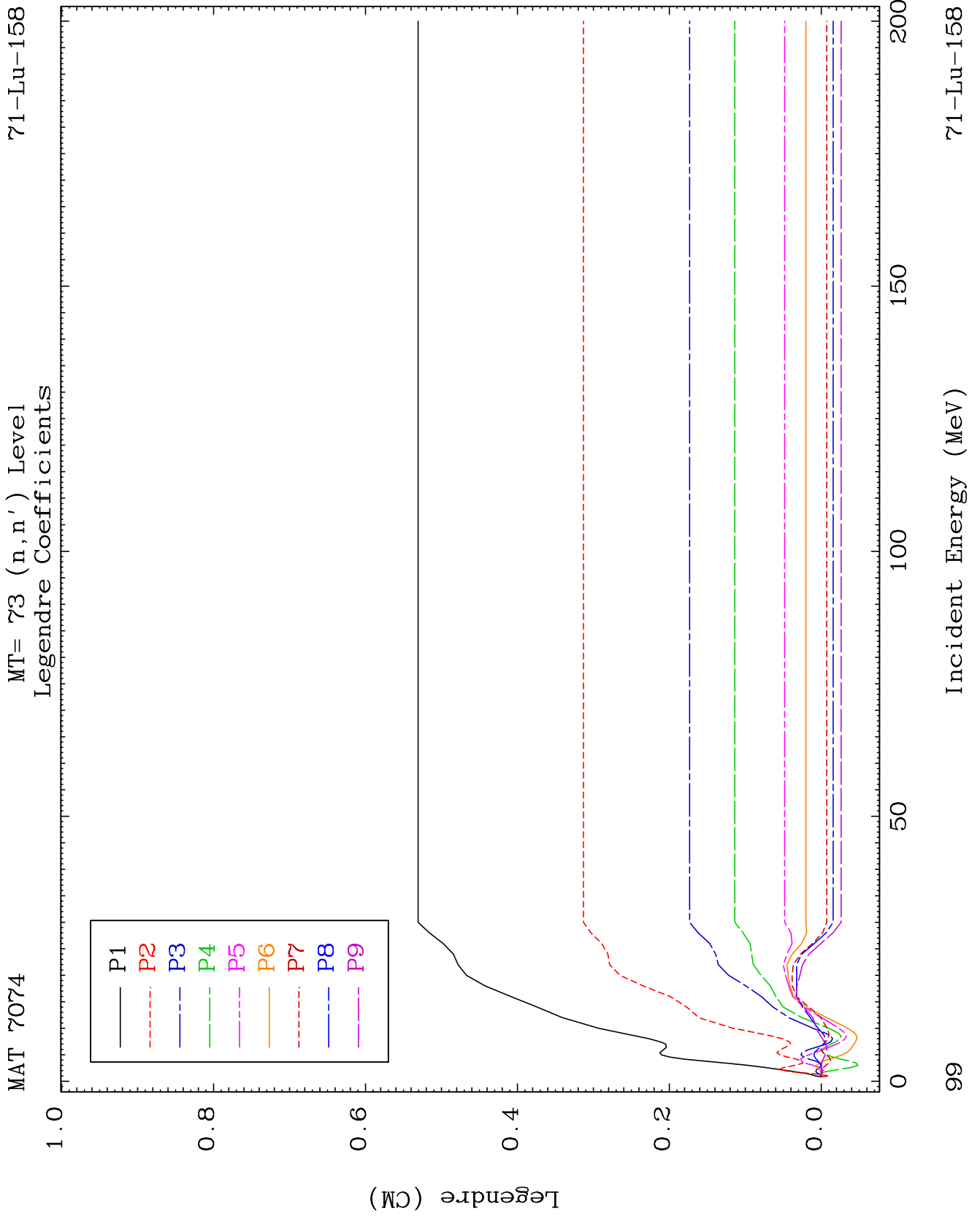


97

Incident Energy (MeV)

71-Lu-158

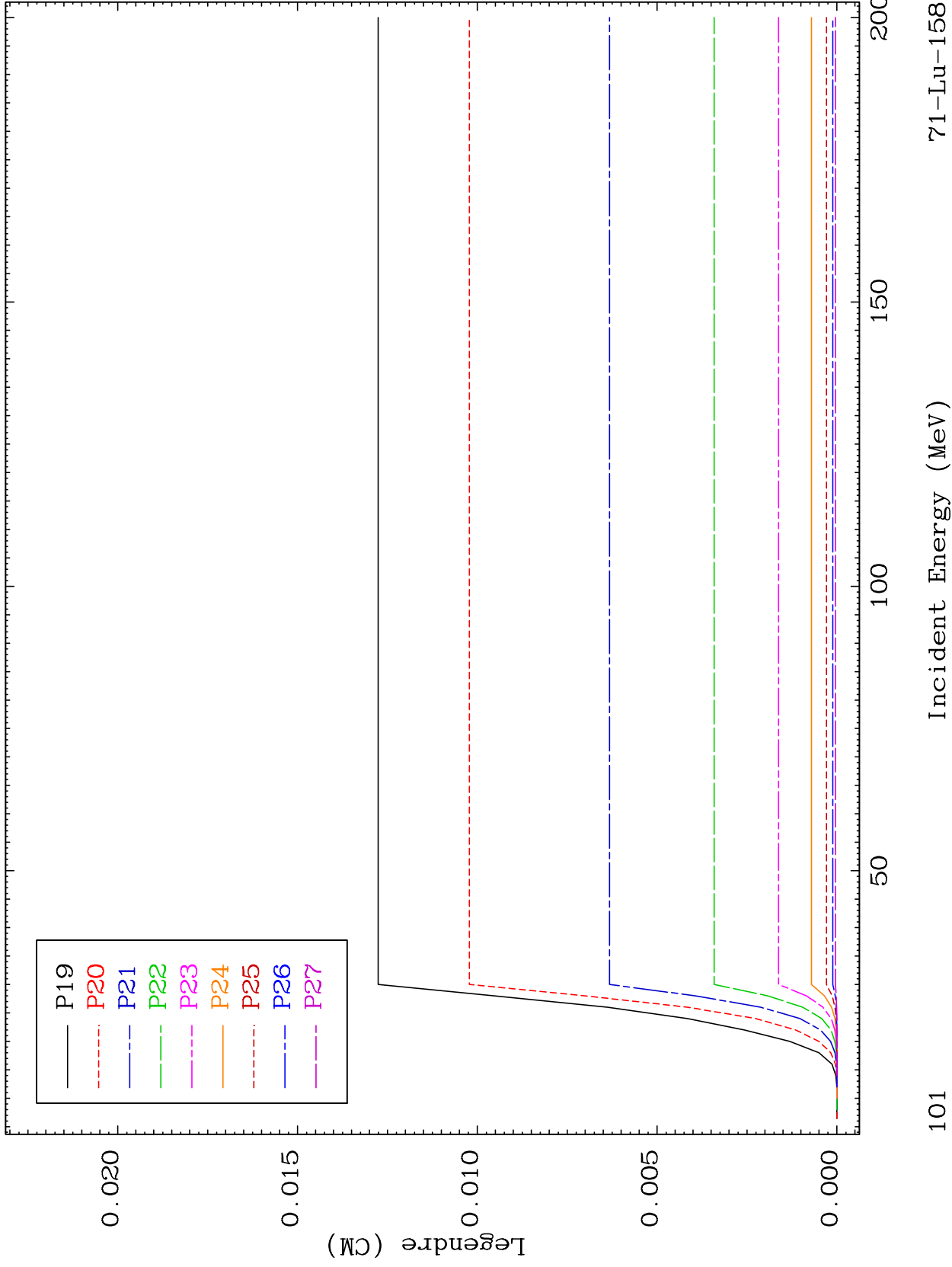




MAT 7074

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

71-Lu-158



101

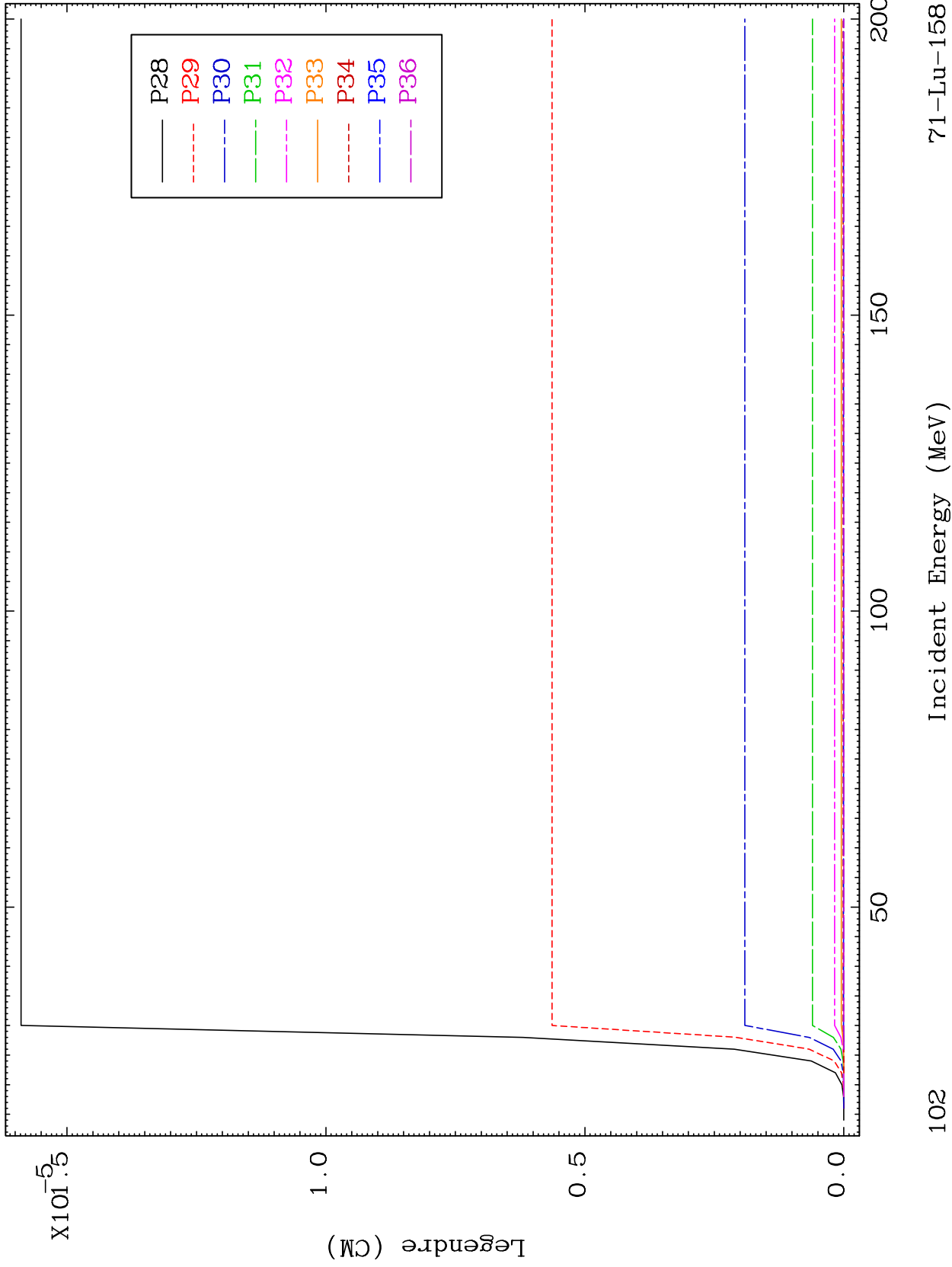
Incident Energy (MeV)

71-Lu-158

MAT 7074

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

71-Lu-158



102

Incident Energy (MeV)

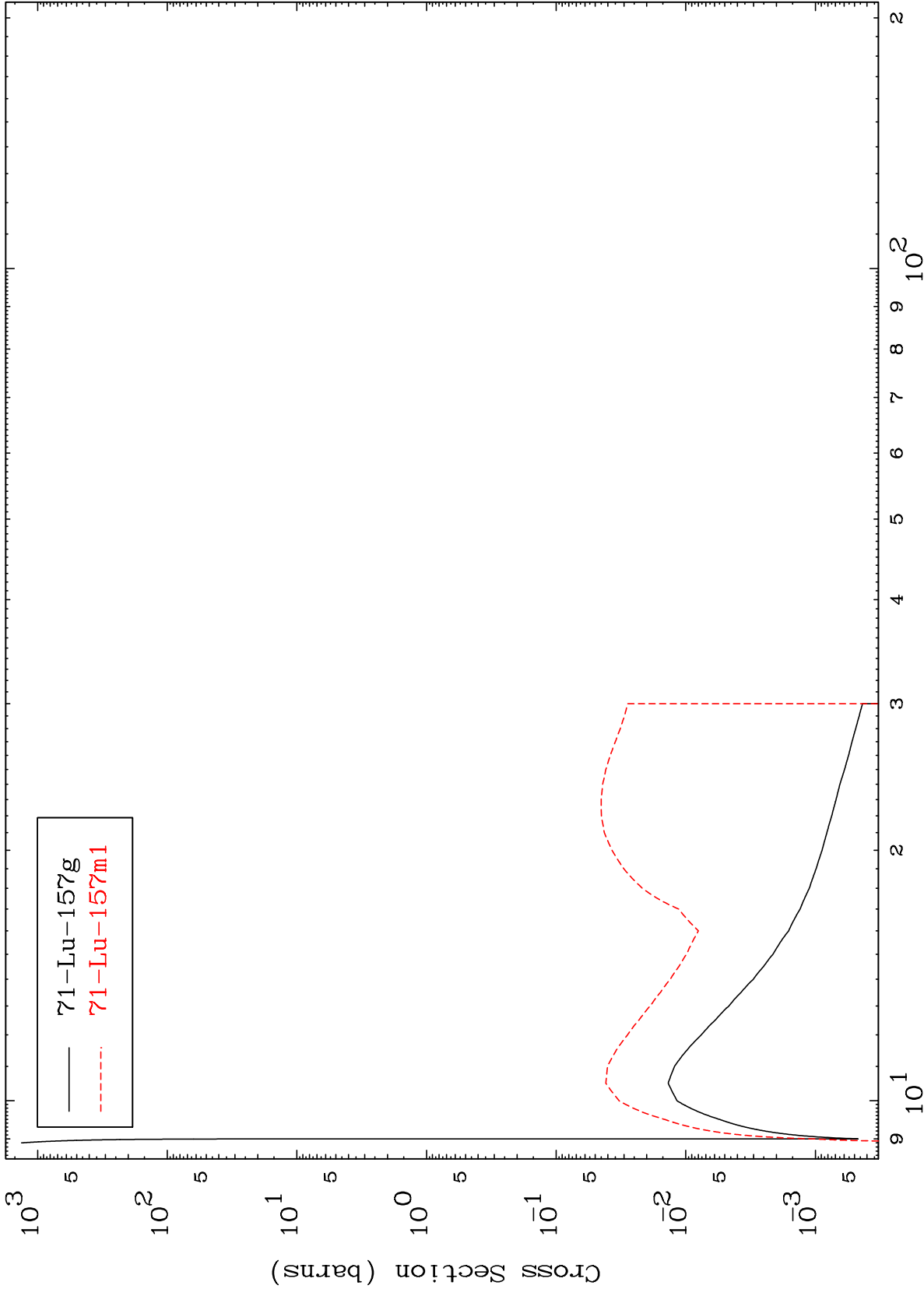
71-Lu-158

MAT 7074

(n,2n)

⁷¹Lu-158

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷¹Lu-158

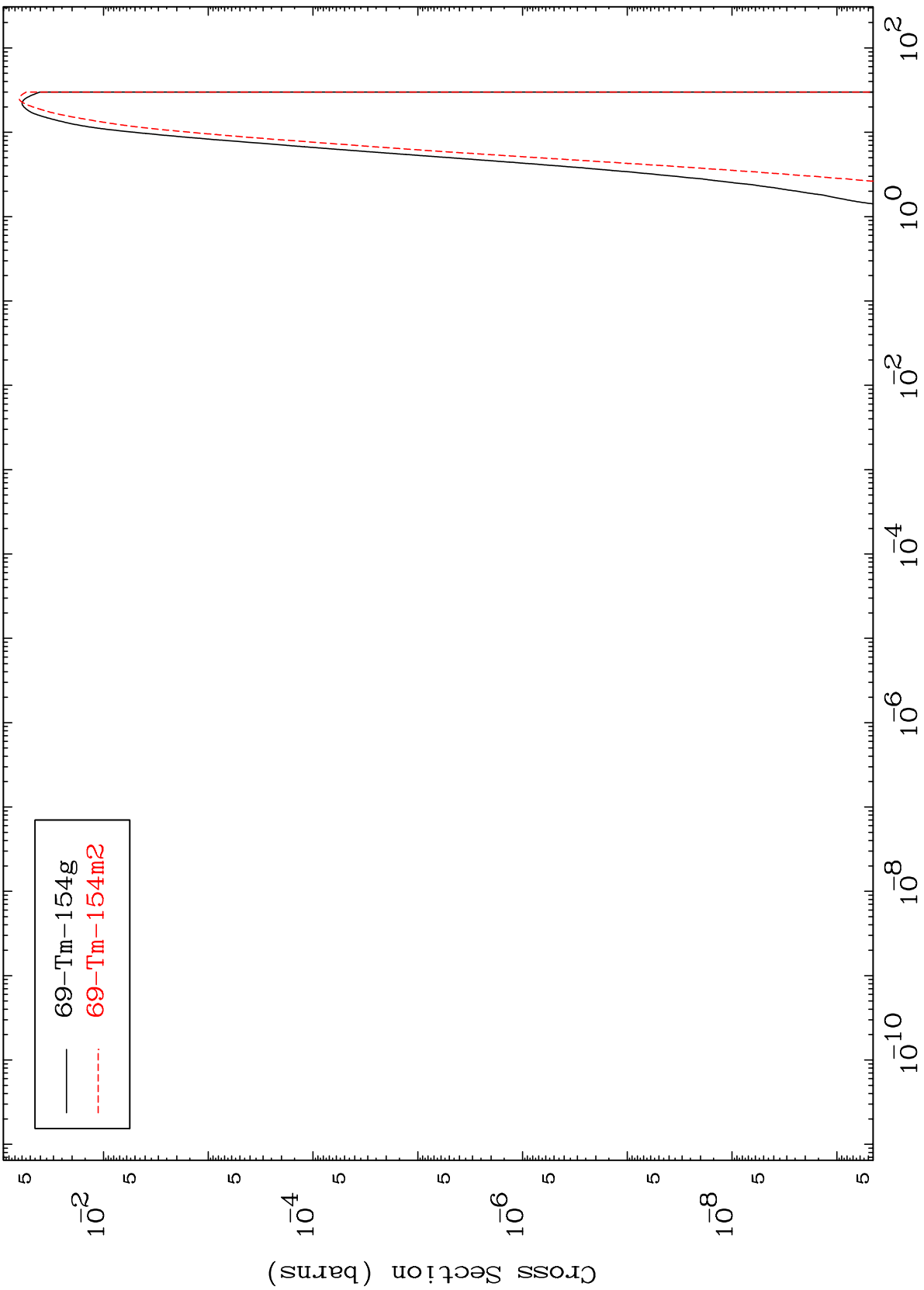
103

MAT 7074

$(n, n') \alpha$

71-Lu-158

Radionuclide Production Cross Section



69-Tm-154g
69-Tm-154m2

104

Incident Energy (MeV)

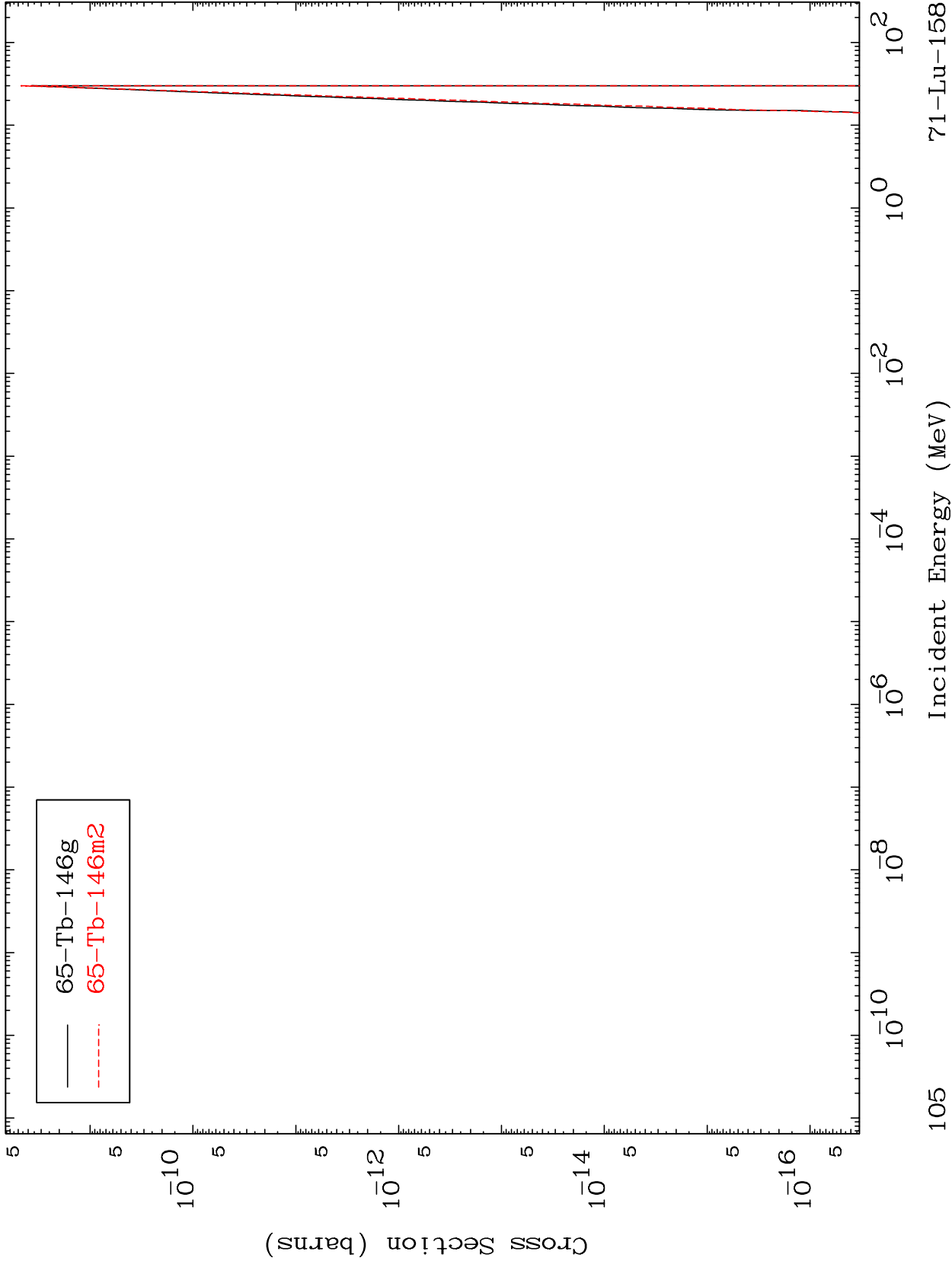
71-Lu-158

MAT 7074

(n,n') 3 α

⁷¹Lu-158

Radionuclide Production Cross Section



65-Tb-146g
65-Tb-146m2

105

Incident Energy (MeV)

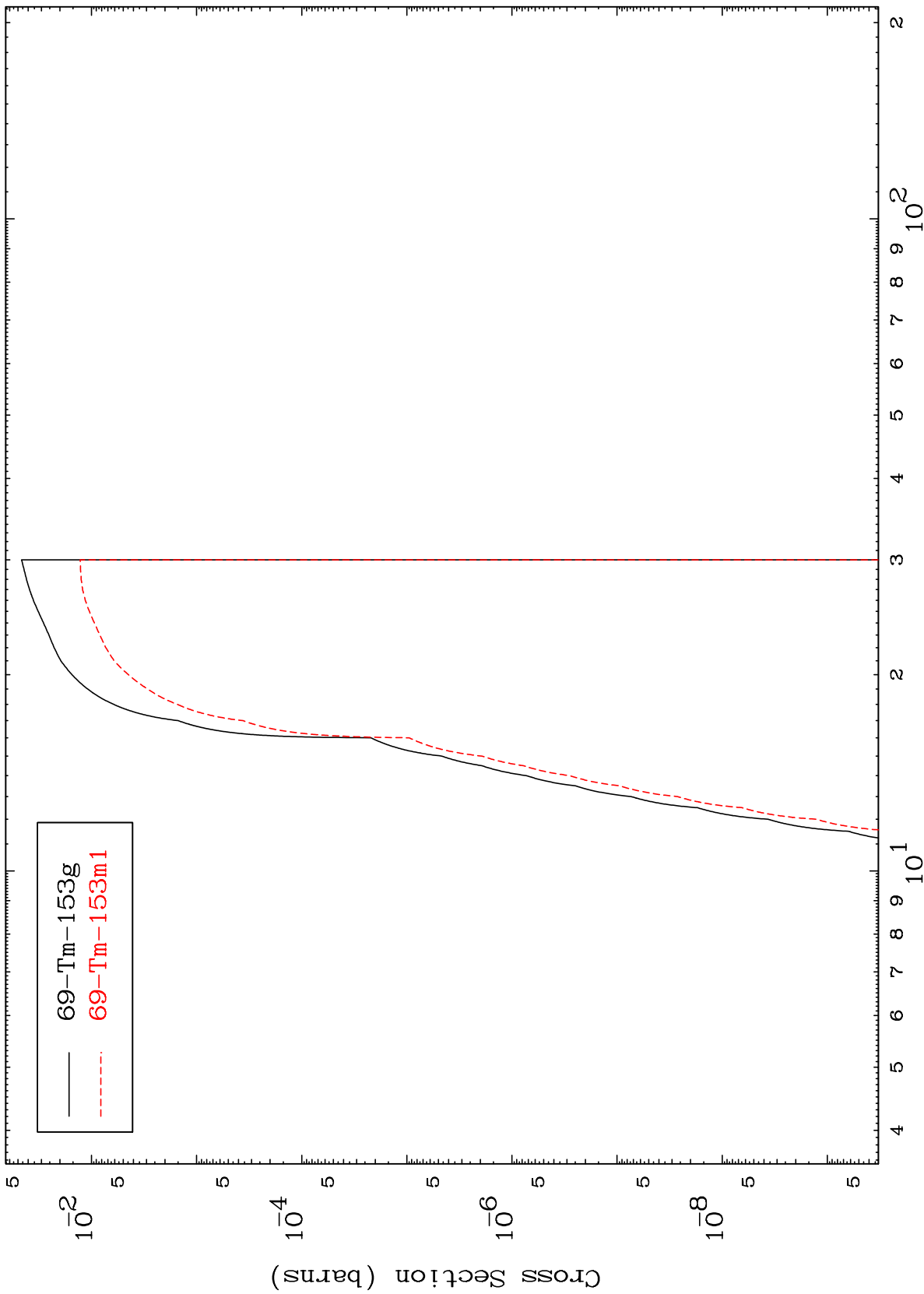
⁷¹Lu-158

MAT 7074

(n,2n) α

71-Lu-158

Radionuclide Production Cross Section



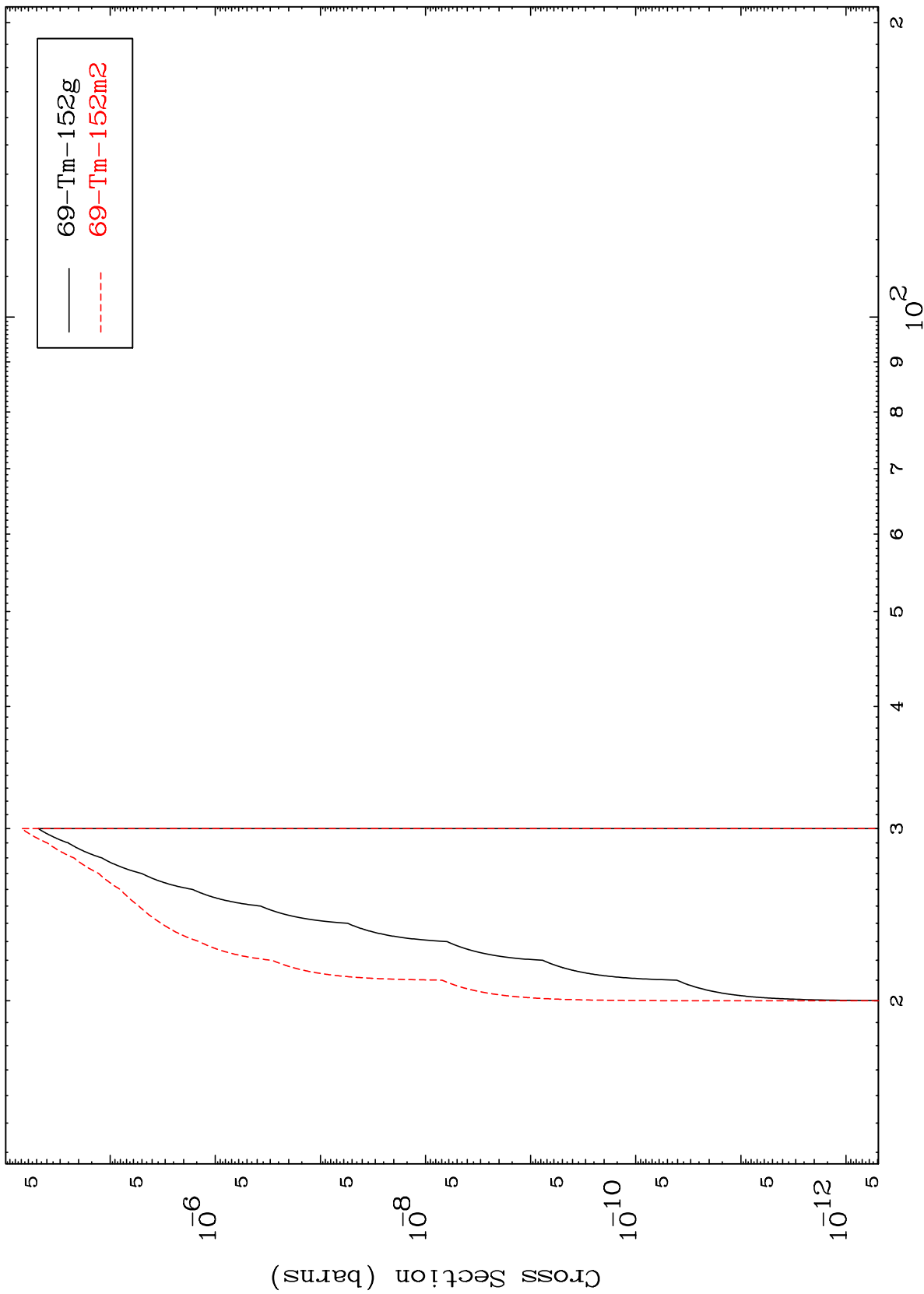
69-Tm-153g
69-Tm-153m1

106

Incident Energy (MeV)

71-Lu-158

Radionuclide Production Cross Section

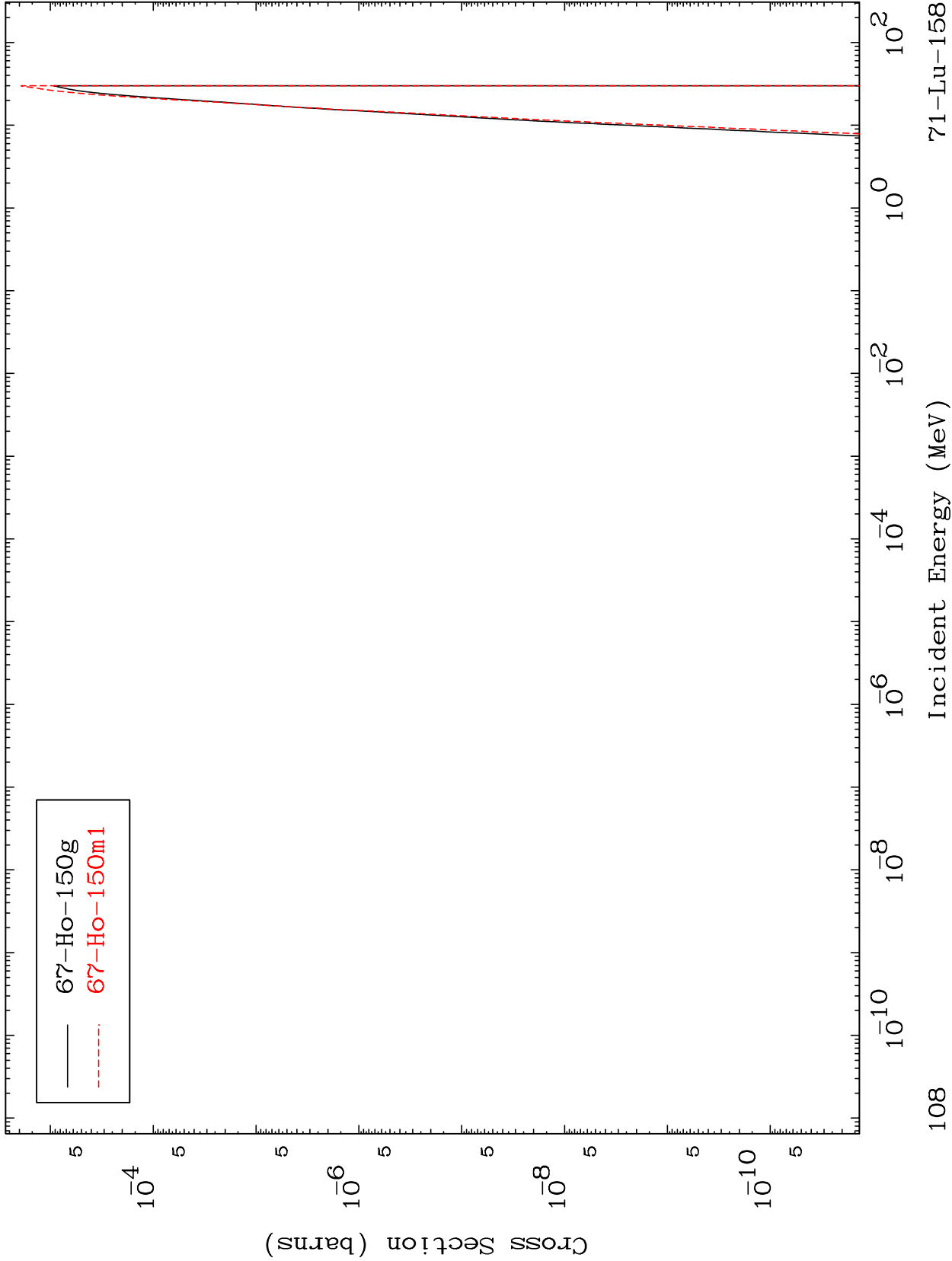


MAT 7074

(n,n') 2α

71-Lu-158

Radionuclide Production Cross Section

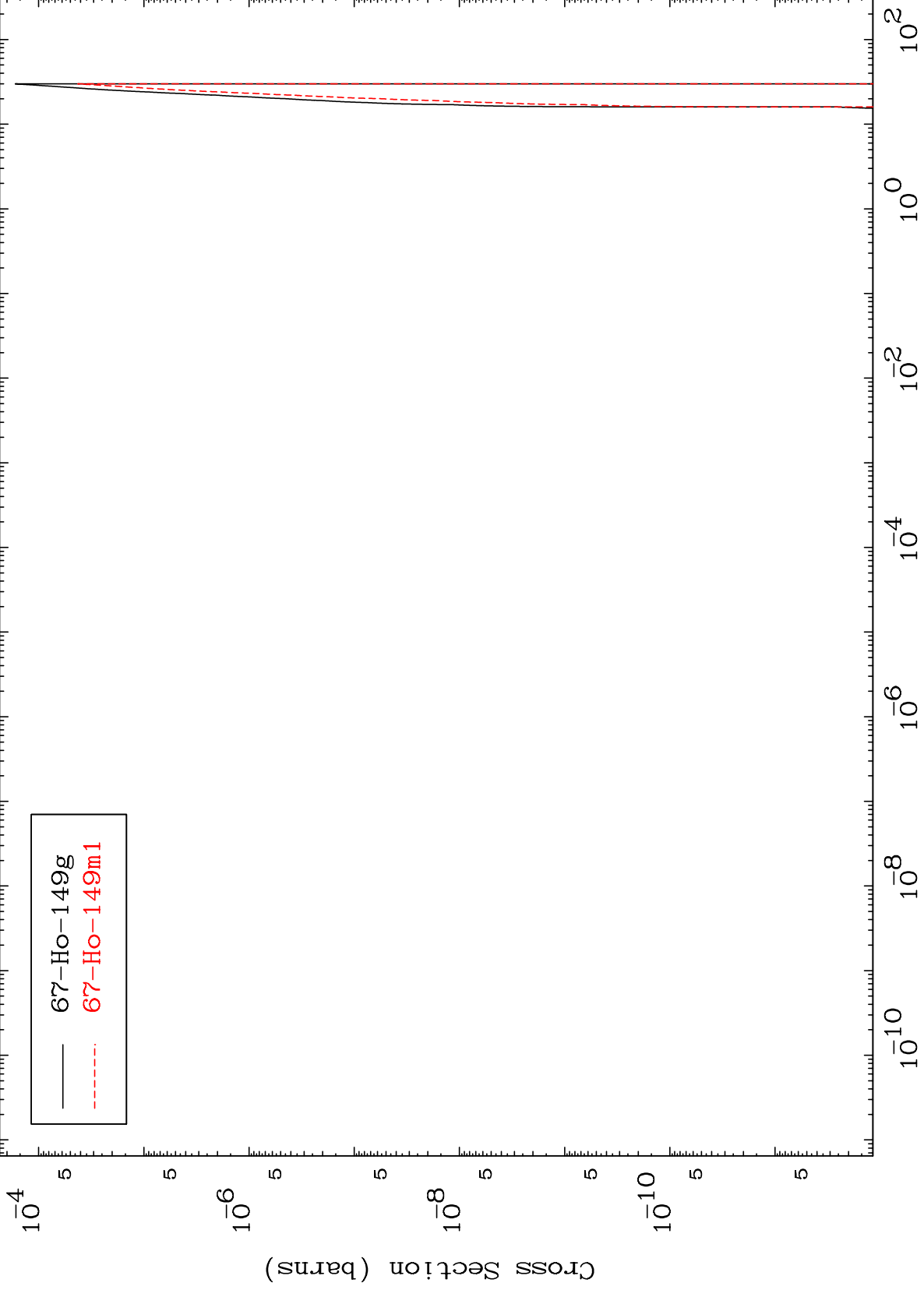


MAT 7074

(n,2n) 2α

⁷¹Lu-158

Radionuclide Production Cross Section



109

Incident Energy (MeV)

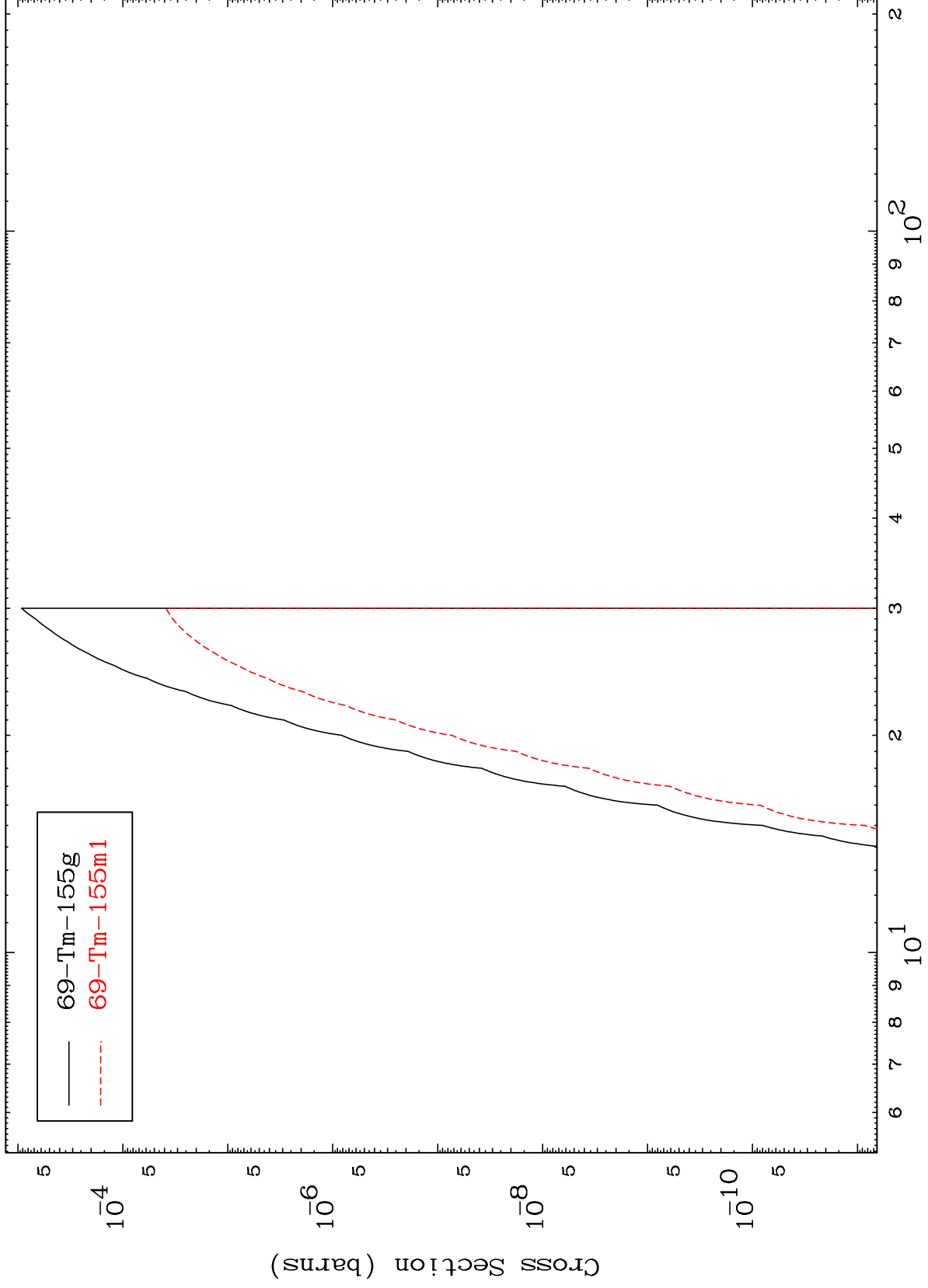
⁷¹Lu-158

MAT 7074

(n,n') He-3

71-Lu-158

Radionuclide Production Cross Section



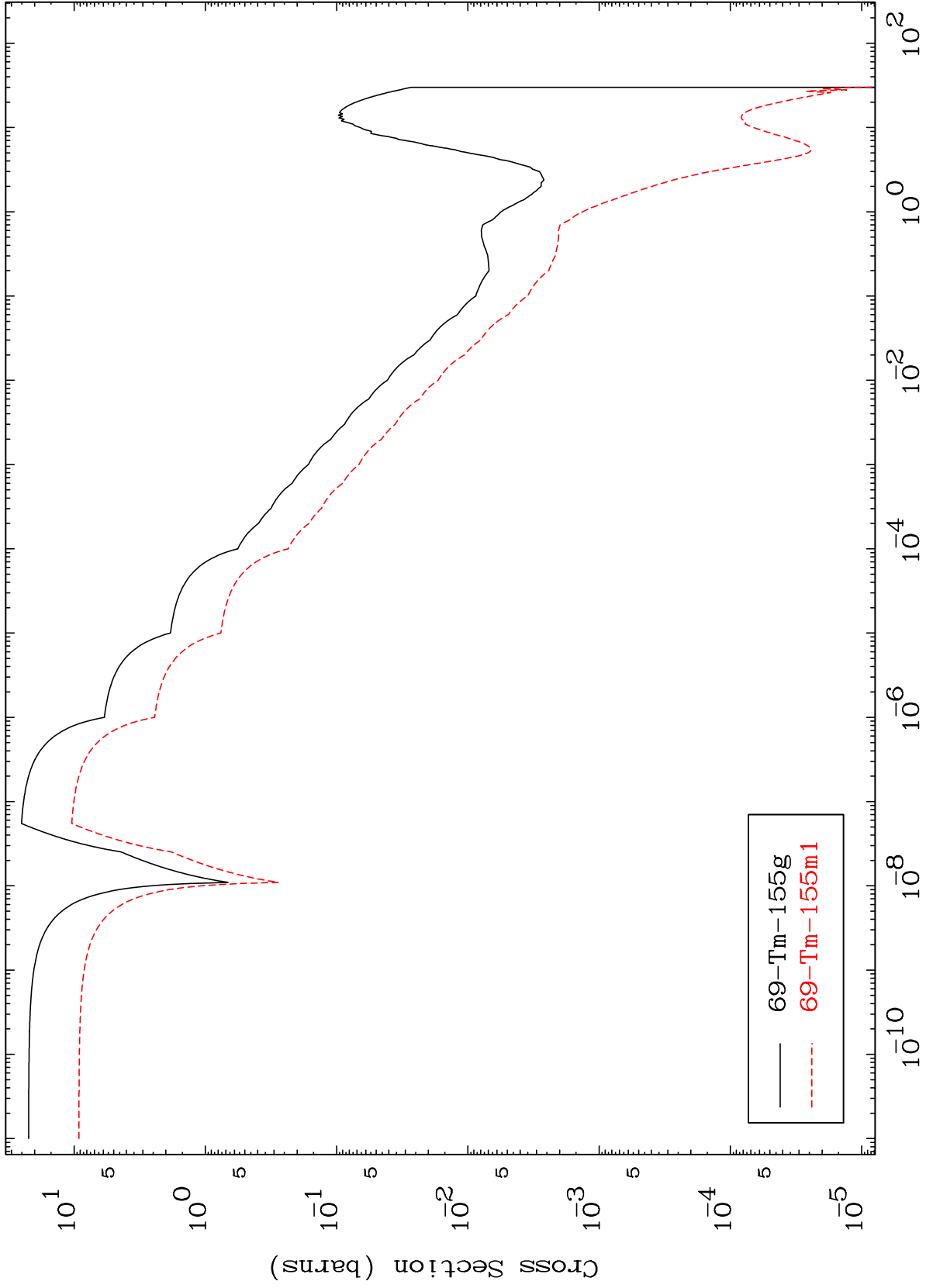
110

Incident Energy (MeV)

71-Lu-158

Radionuclide Production Cross Section

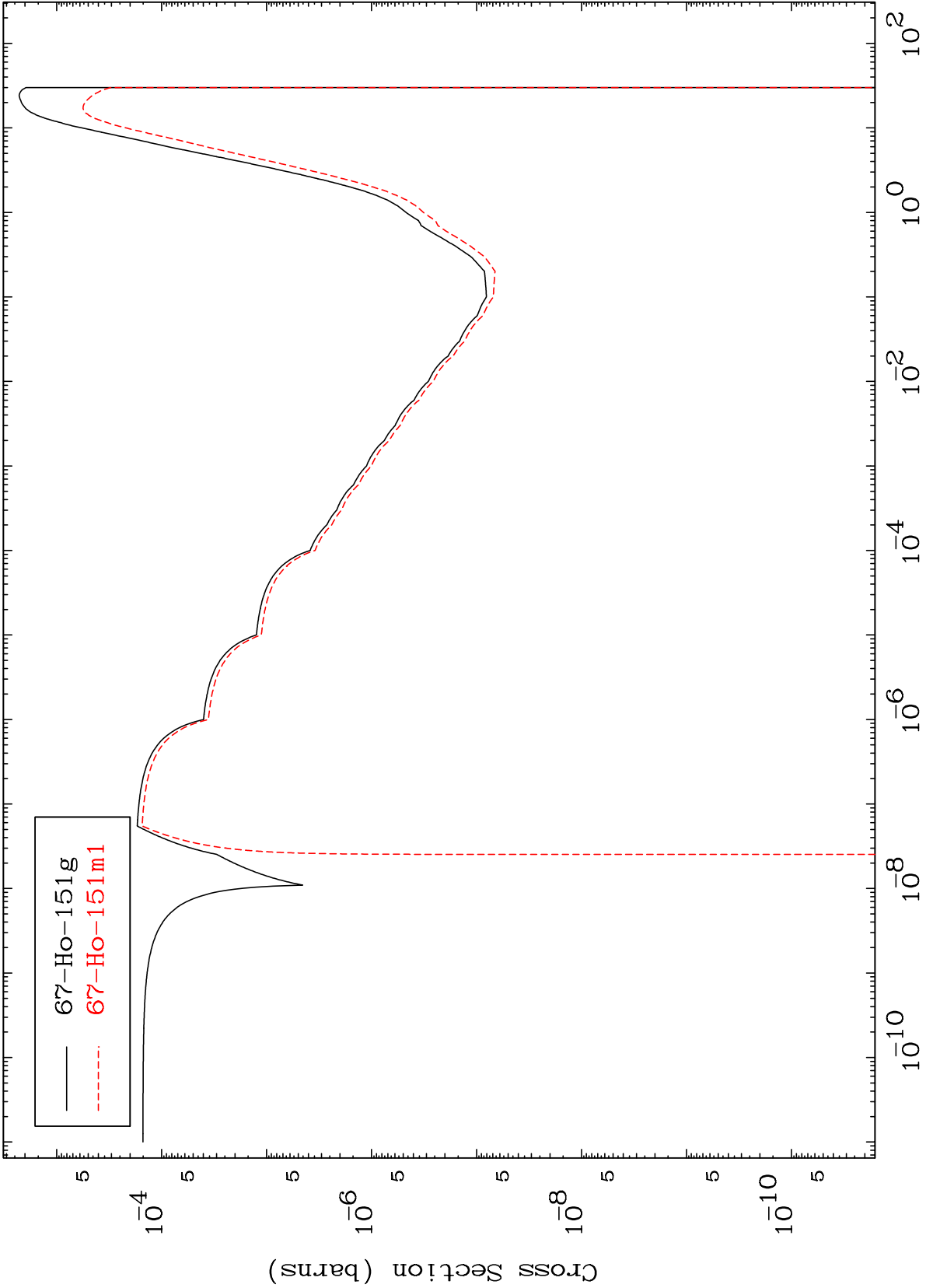
(n,α)



MAT 7074

71-Lu-158

Radionuclide Production Cross Section
(n,2 α)

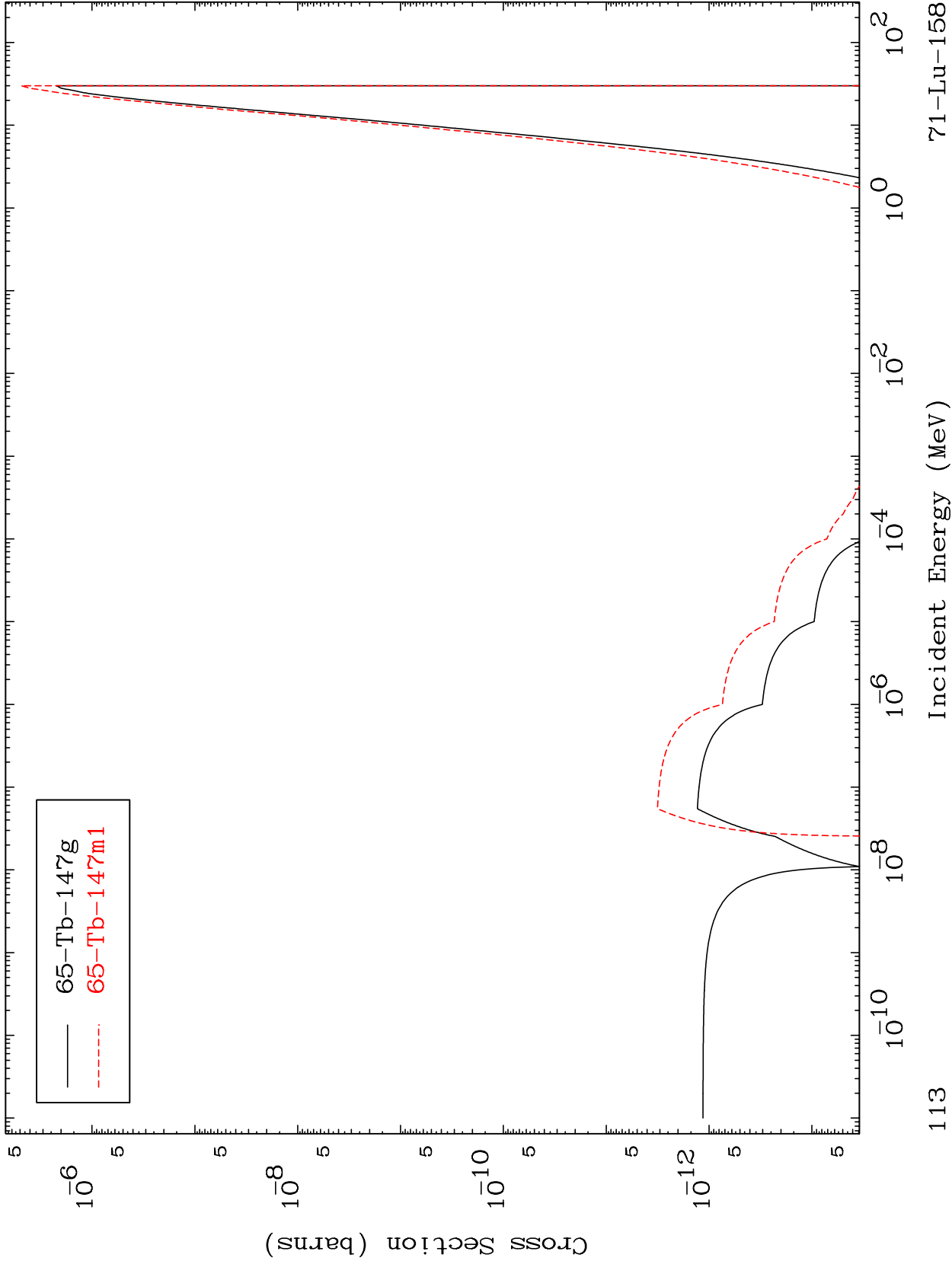


MAT 7074

(n,3 α)

⁷¹Lu-158

Radionuclide Production Cross Section



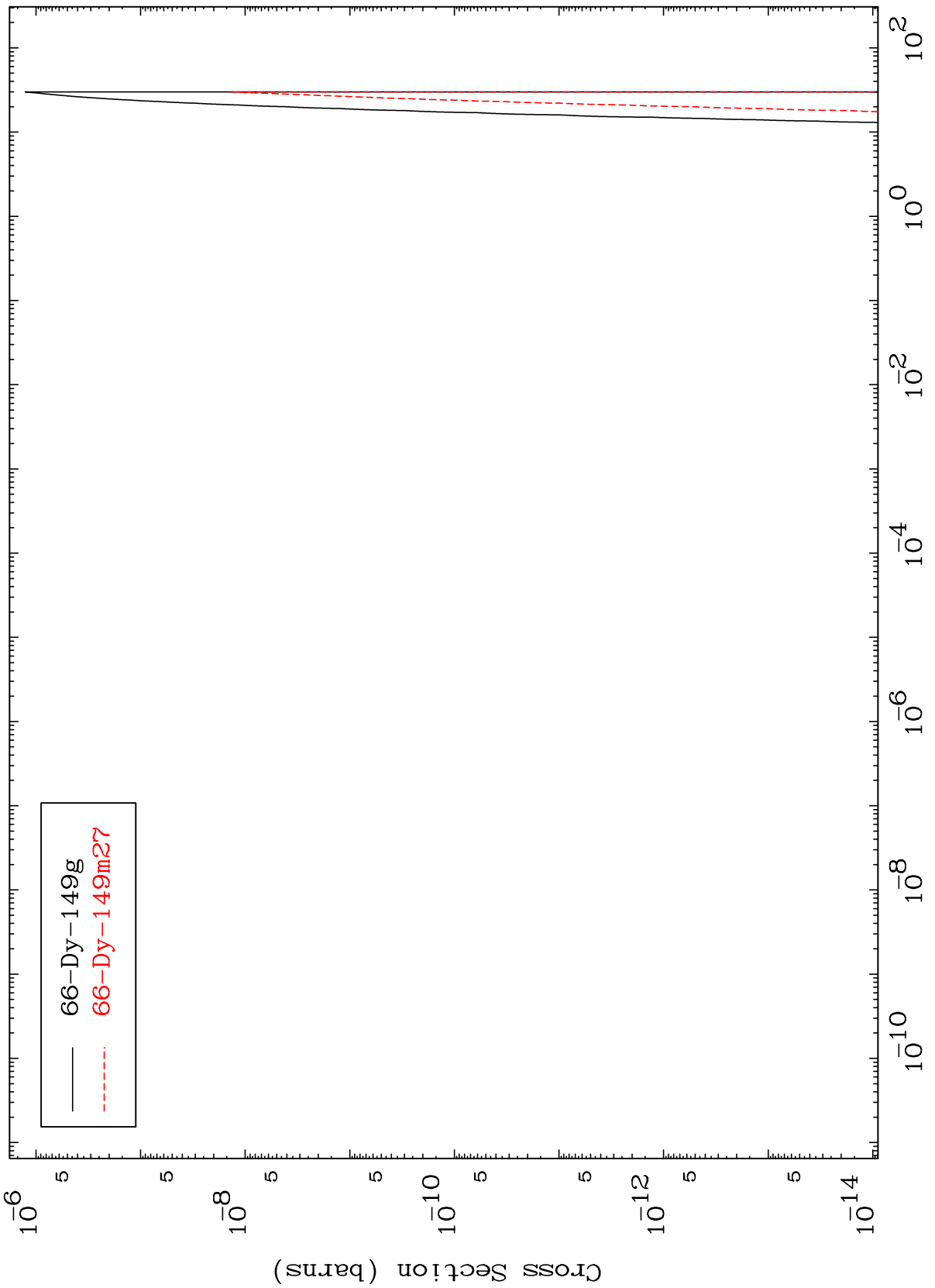
— 65-Tb-147g
- - - 65-Tb-147m1

MAT 7074

(n,d) 2 α

71-Lu-158

Radionuclide Production Cross Section



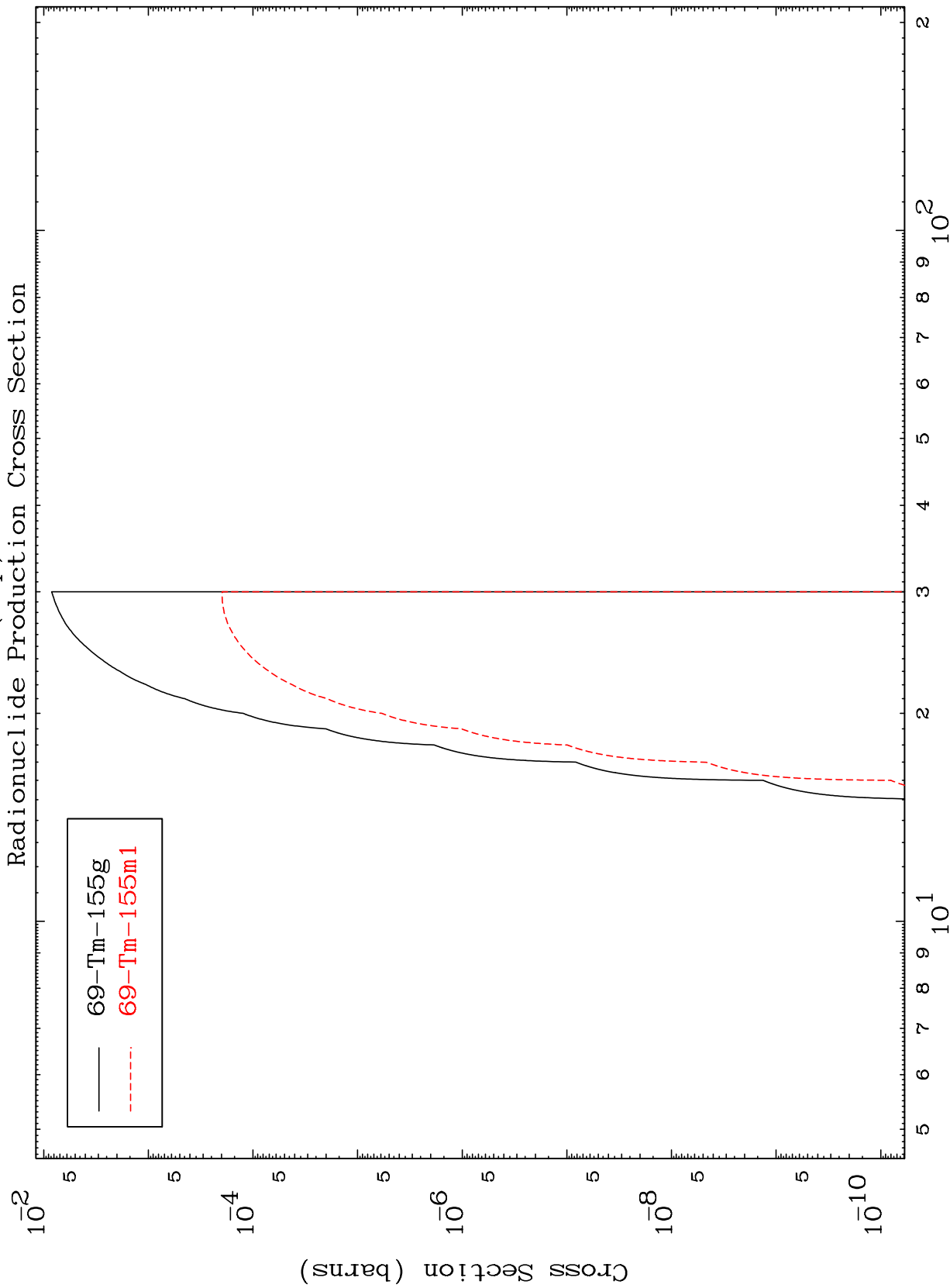
— 66-Dy-149g
- - - 66-Dy-149m27

MAT 7074

(n,p) t

71-Lu-158

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

115

Incident Energy (MeV)

71-Lu-158