

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

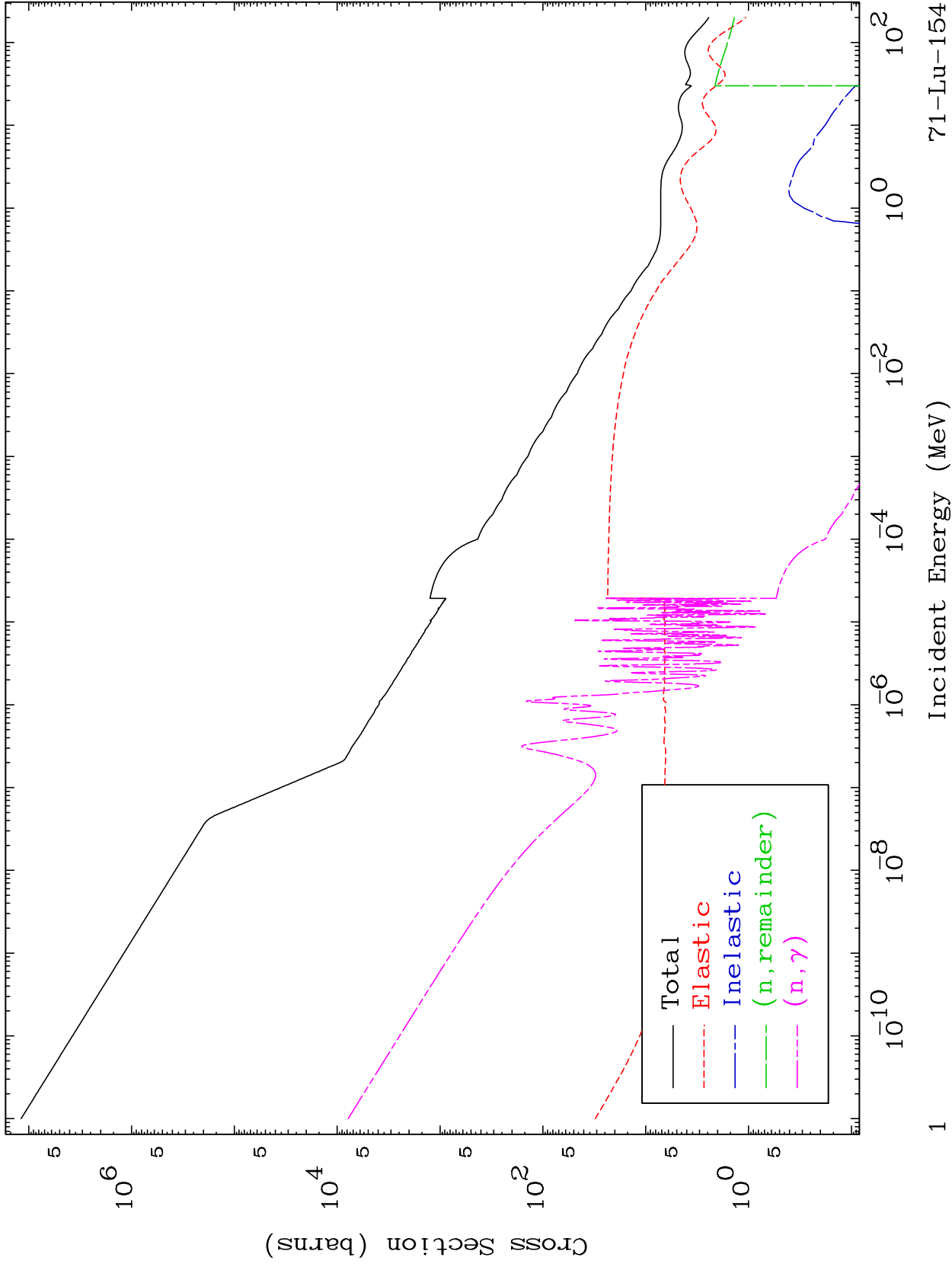
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Press Mouse Button to Start

MAT 7062

Major
293 Kelvin Cross Sections

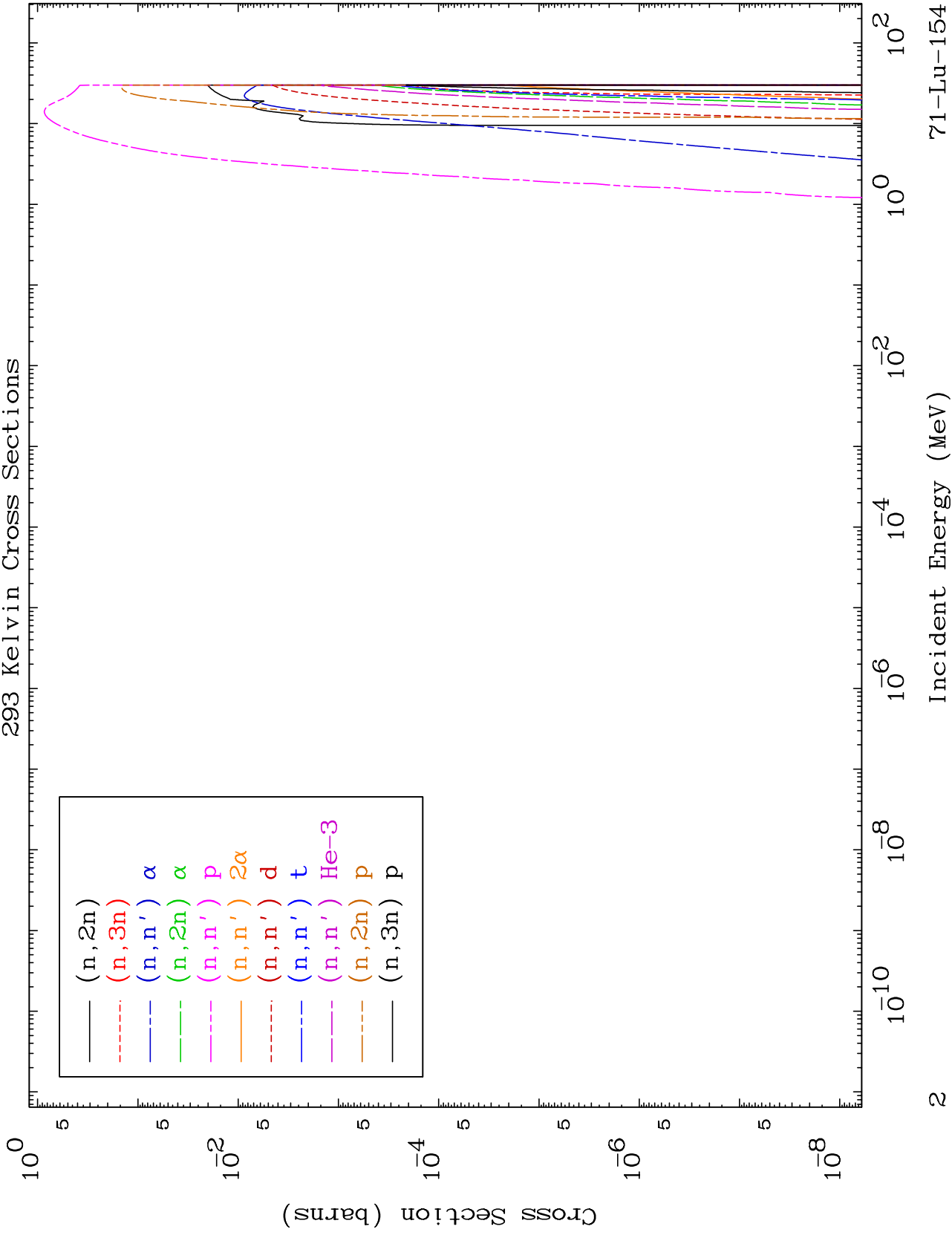
71-Lu-154

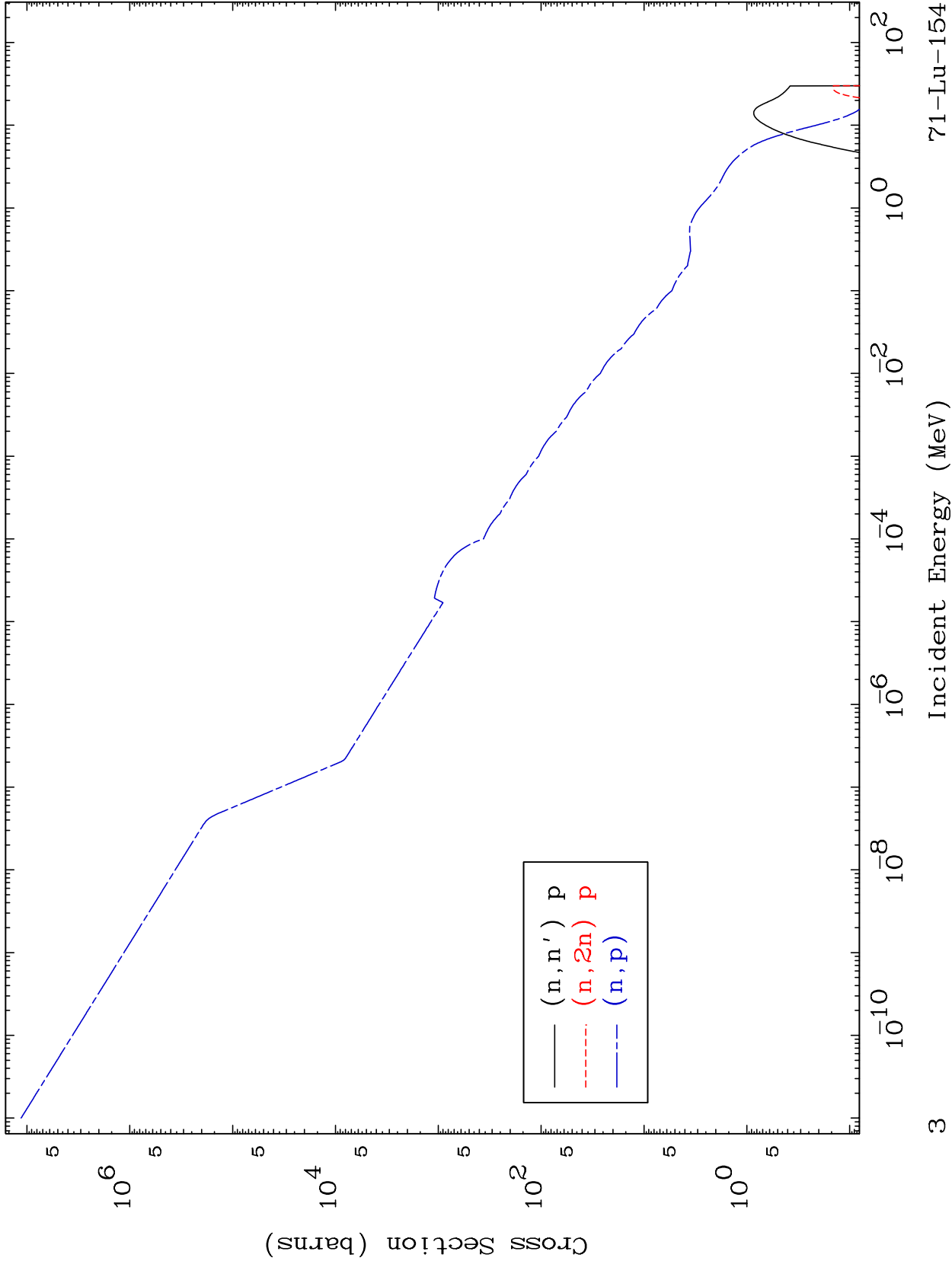


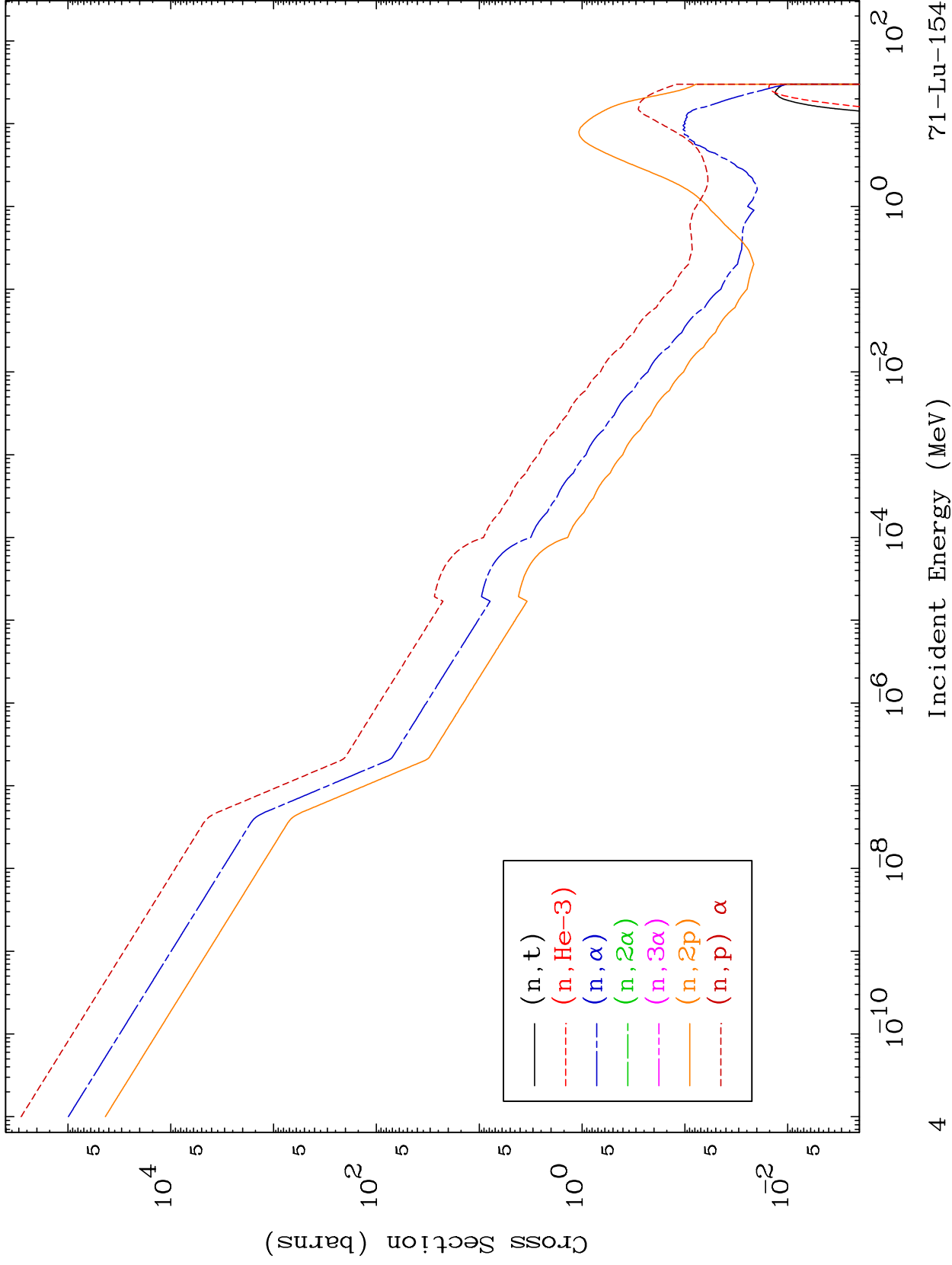
MAT 7062

Neutron Production
293 Kelvin Cross Sections

71-Lu-154



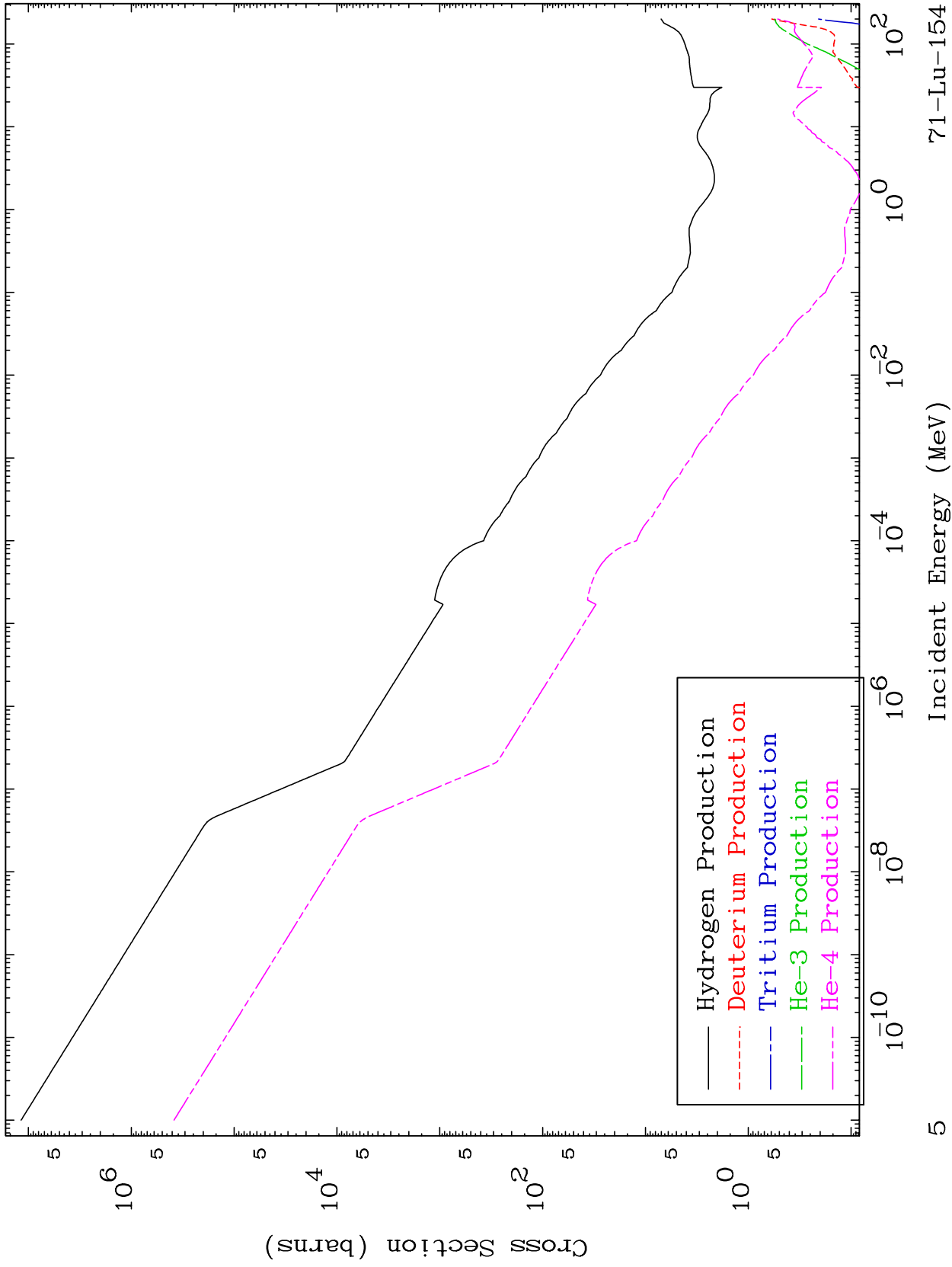




MAT 7062

Particle Production
293 Kelvin Cross Sections

71-Lu-154

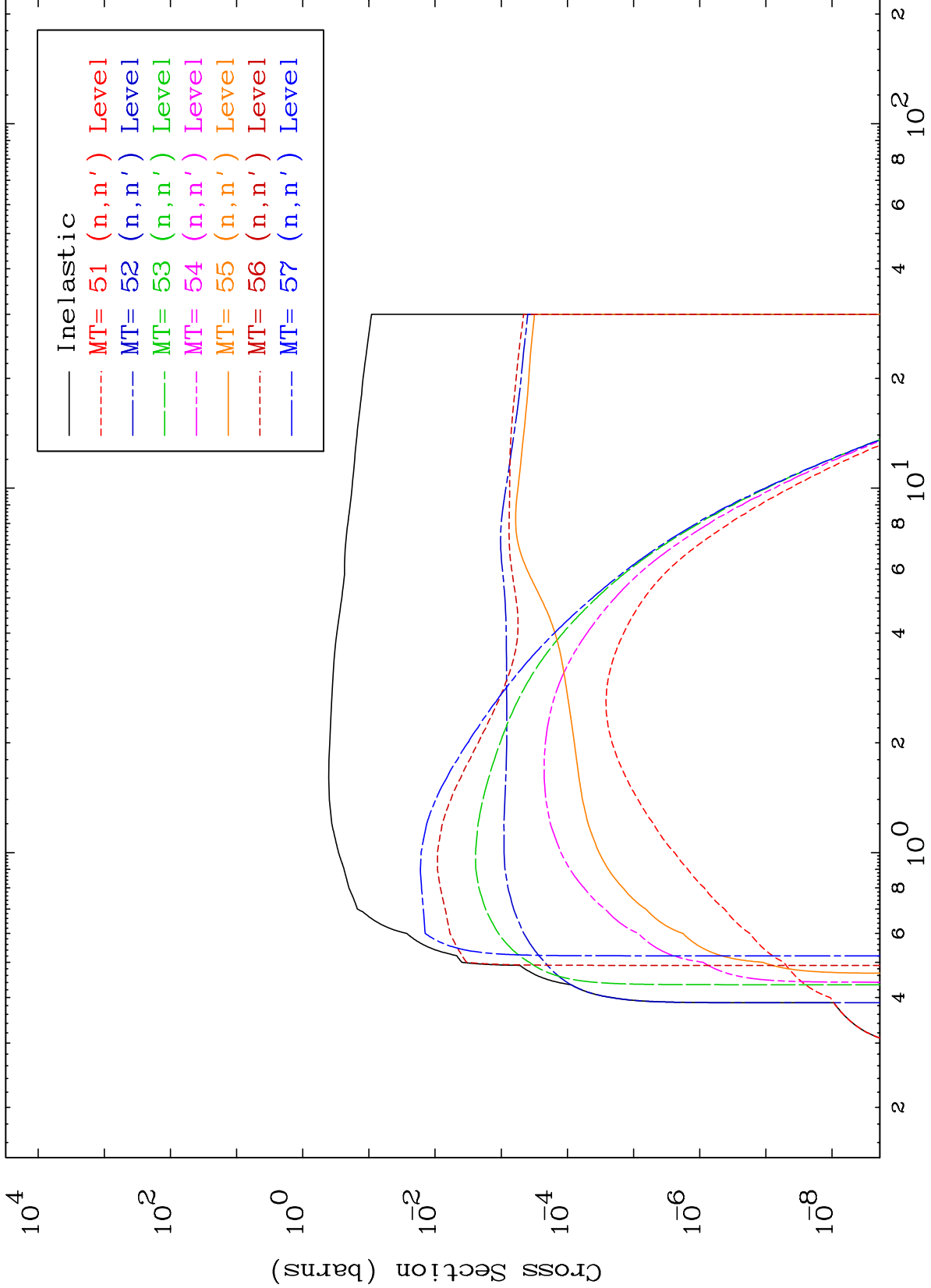


MAT 7062

(n,n') Level

71-Lu-154

293 Kelvin Cross Sections



6

Incident Energy (MeV)

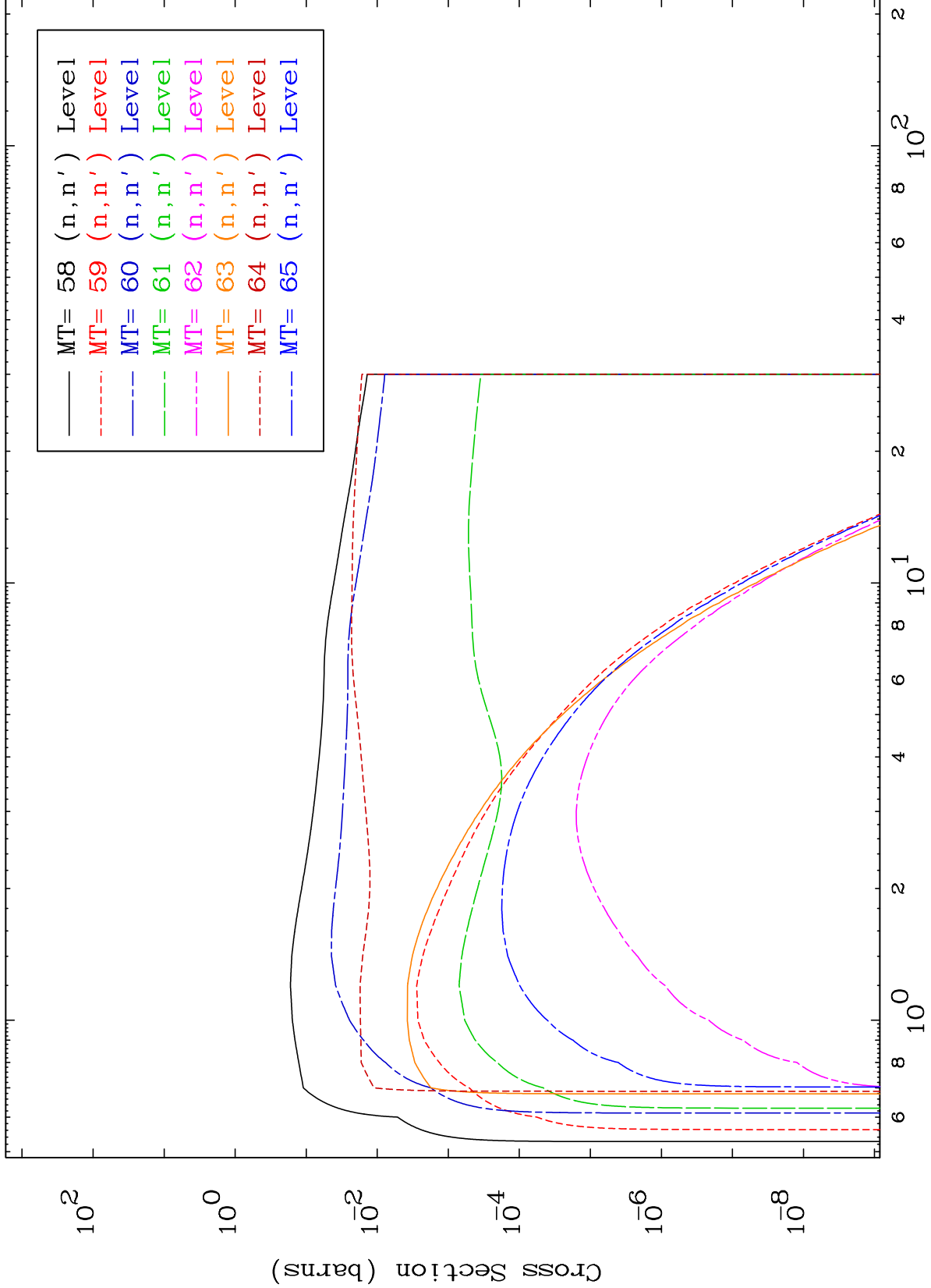
71-Lu-154

MAT 7062

(n,n') Level

71-Lu-154

293 Kelvin Cross Sections



7

Incident Energy (MeV)

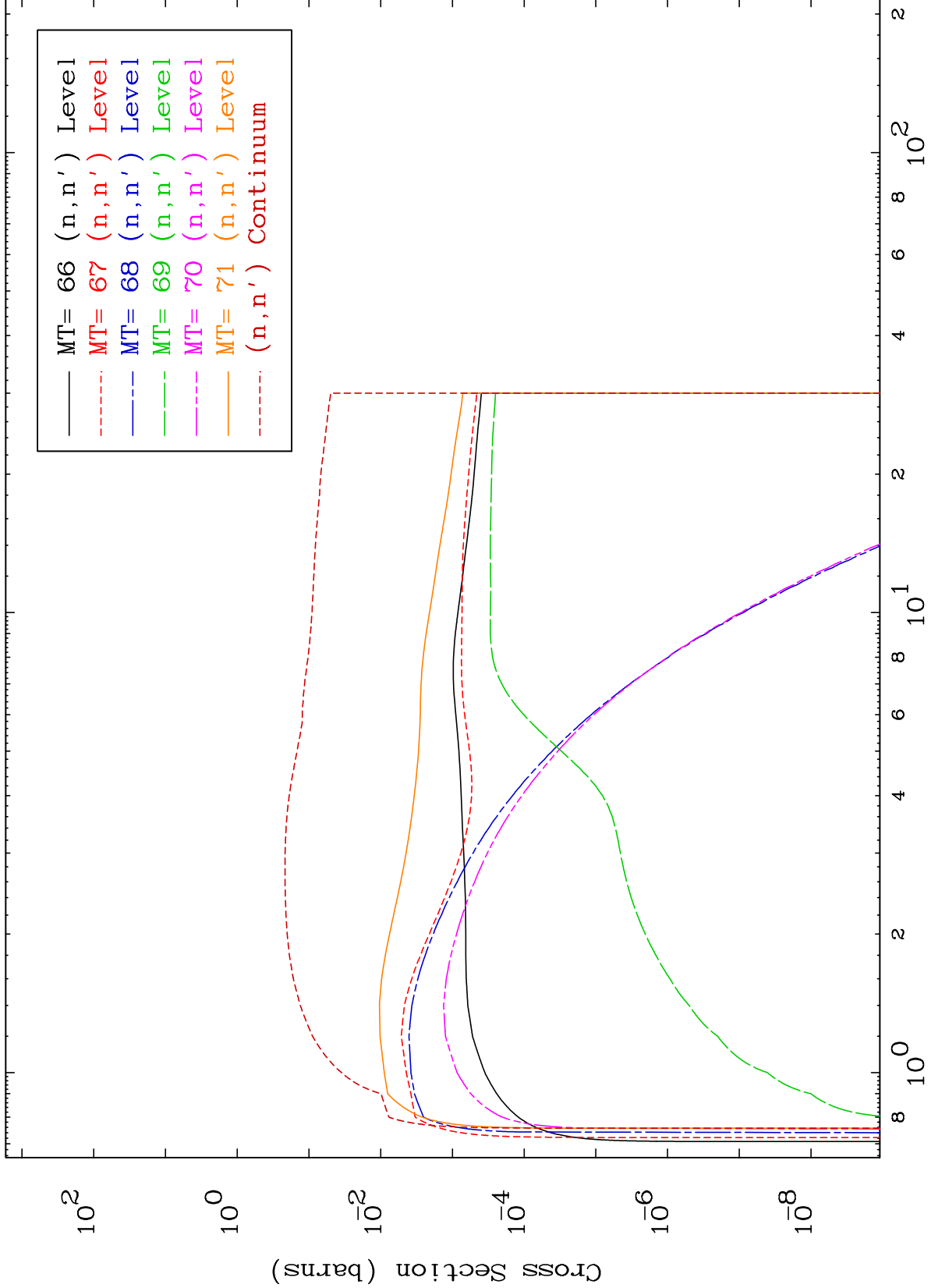
71-Lu-154

MAT 7062

(n,n') Level

293 Kelvin Cross Sections

71-Lu-154



8

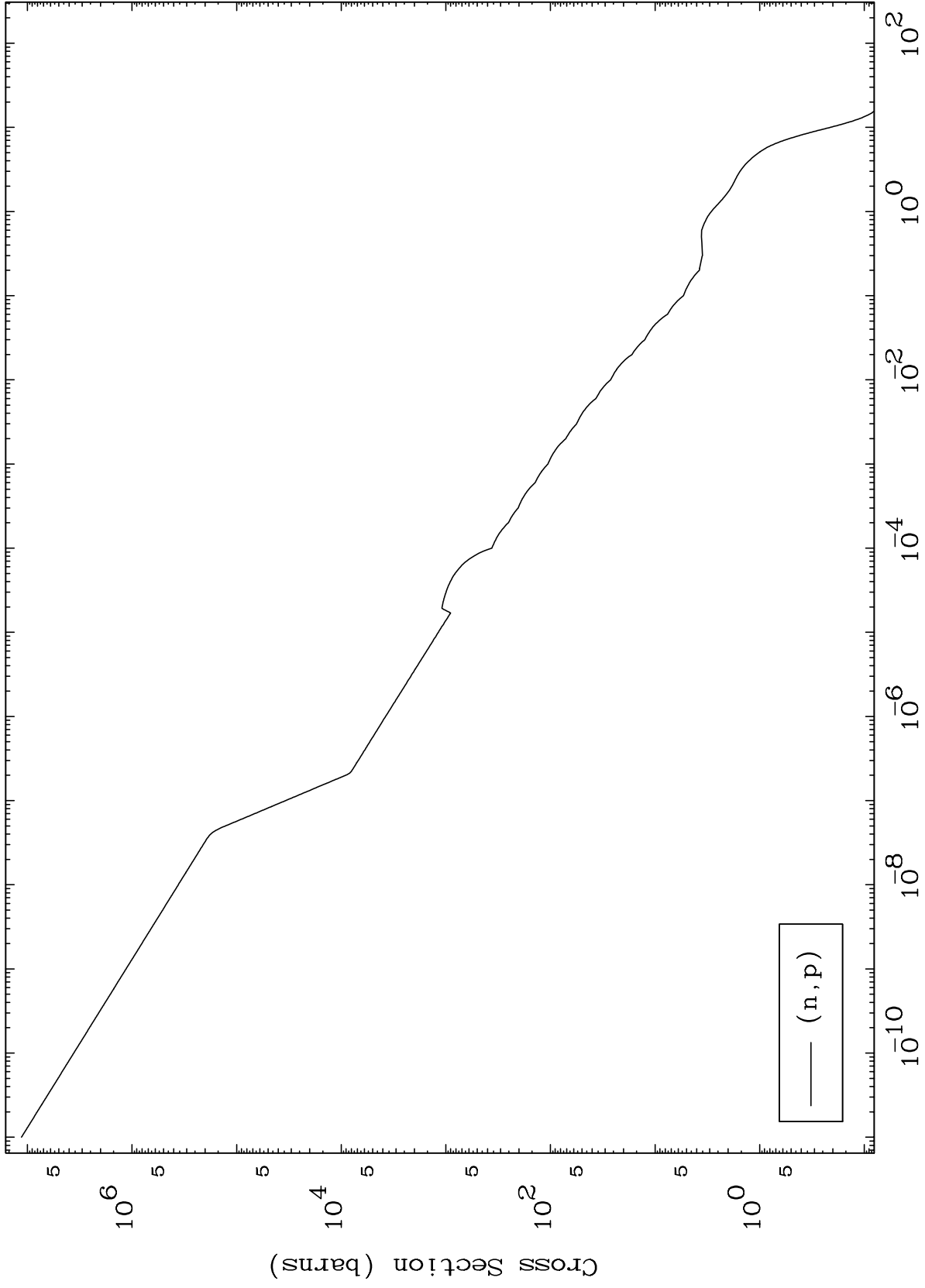
Incident Energy (MeV)

71-Lu-154

MAT 7062

(n,p) Levels
293 Kelvin Cross Sections

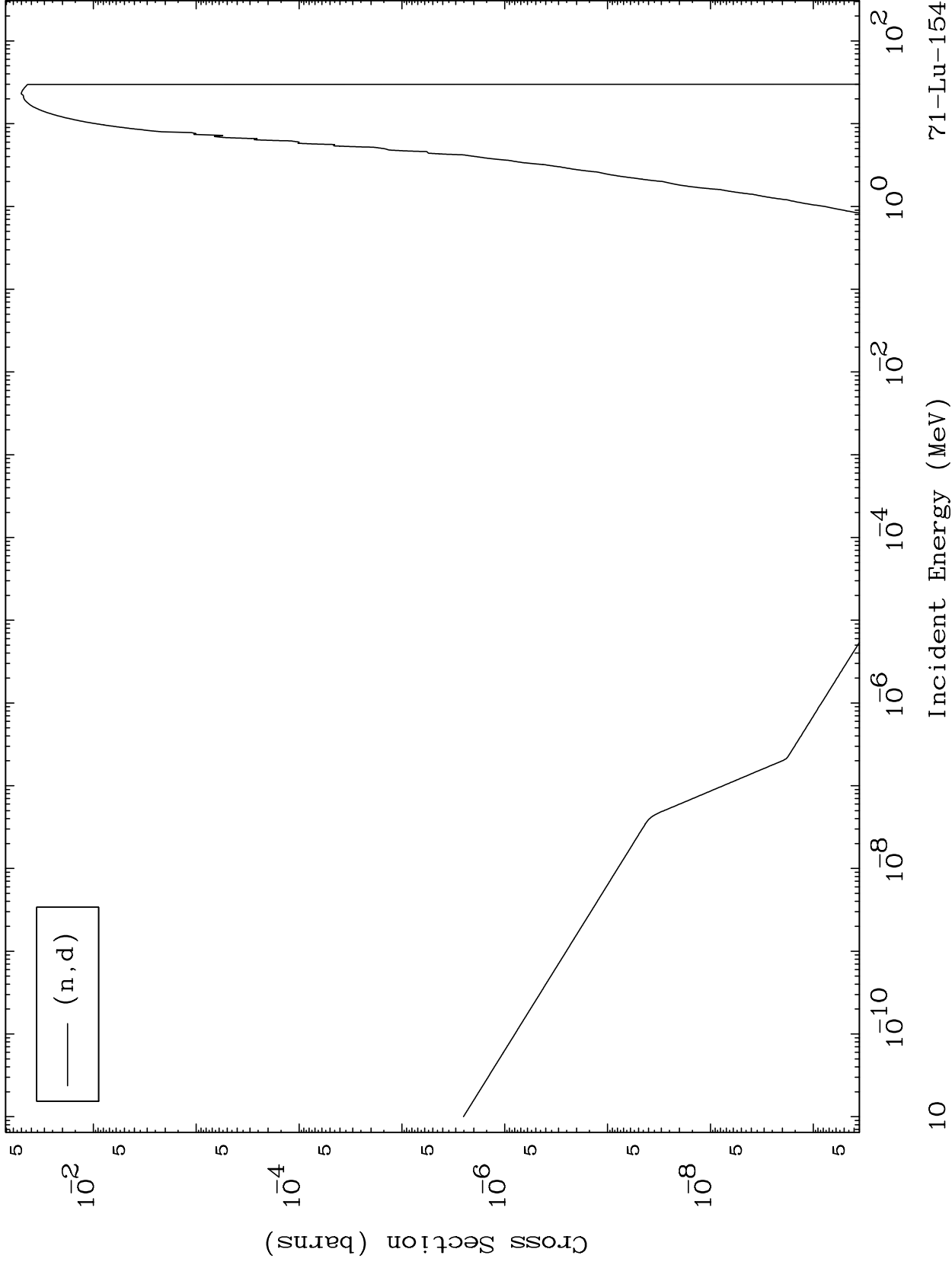
71-Lu-154



MAT 7062

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-154



(n,d)

10

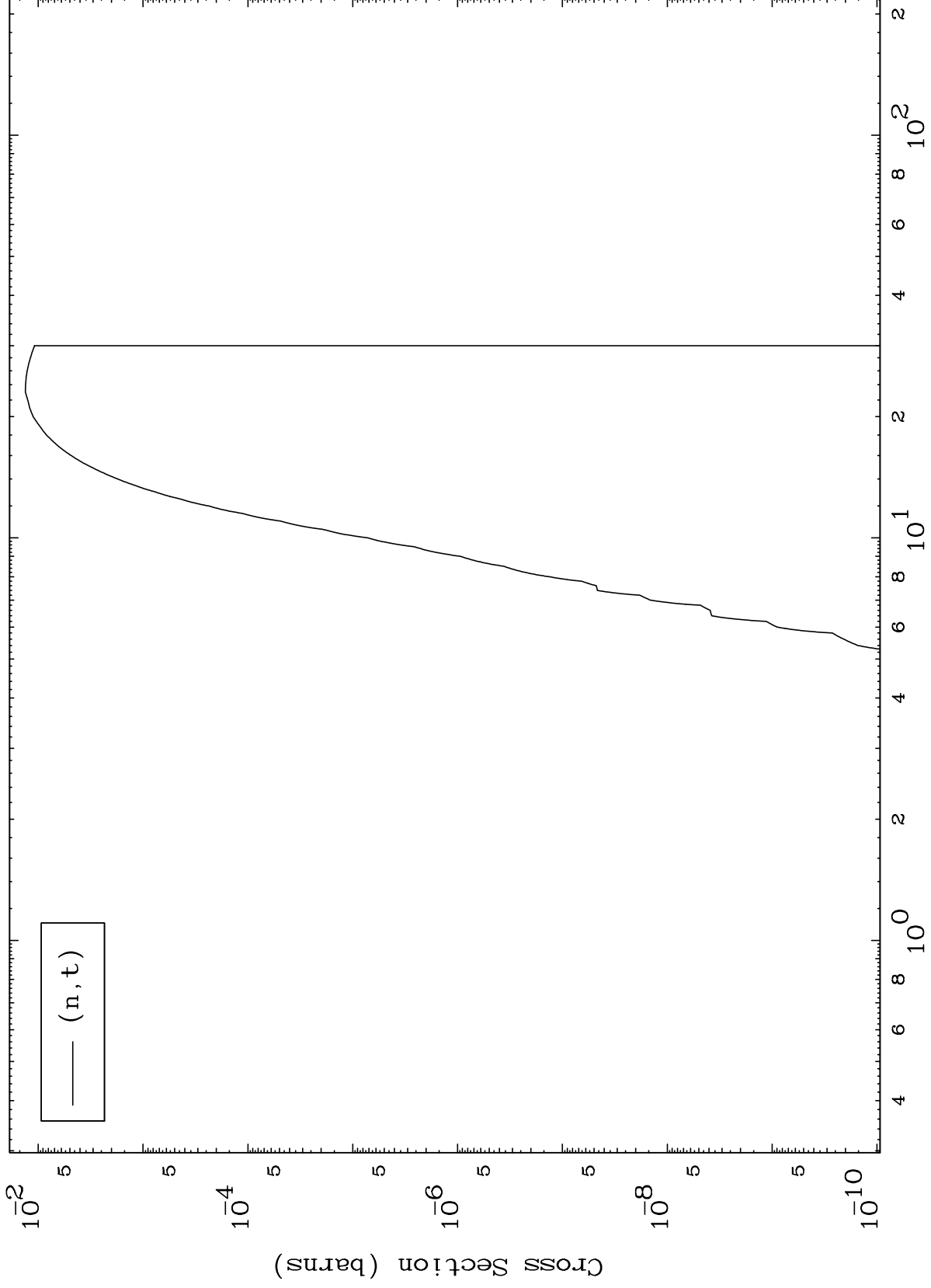
Incident Energy (MeV)

71-Lu-154

MAT 7062

(n,t) Levels
293 Kelvin Cross Sections

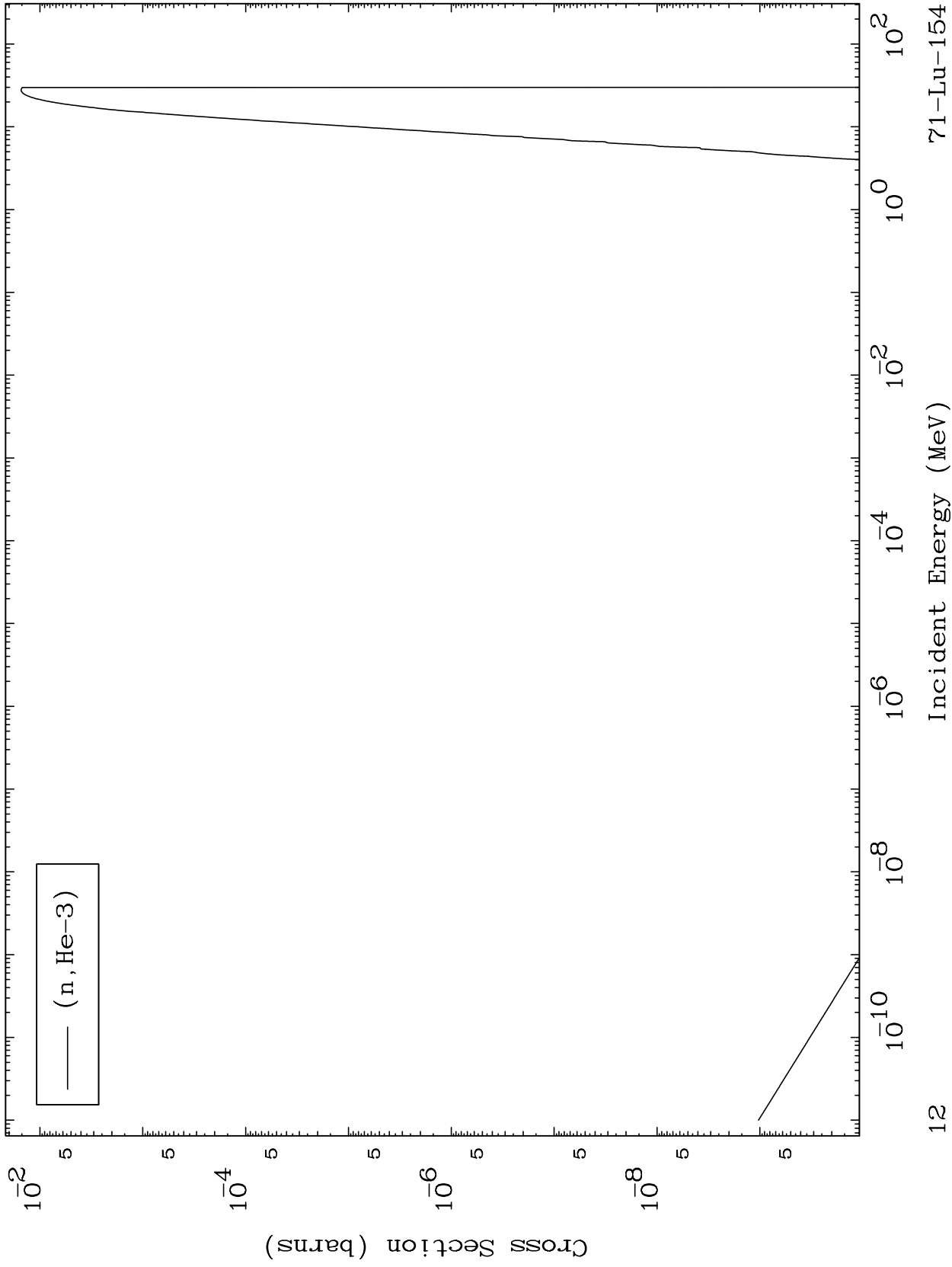
71-Lu-154



MAT 7062

(n,He3) Levels
293 Kelvin Cross Sections

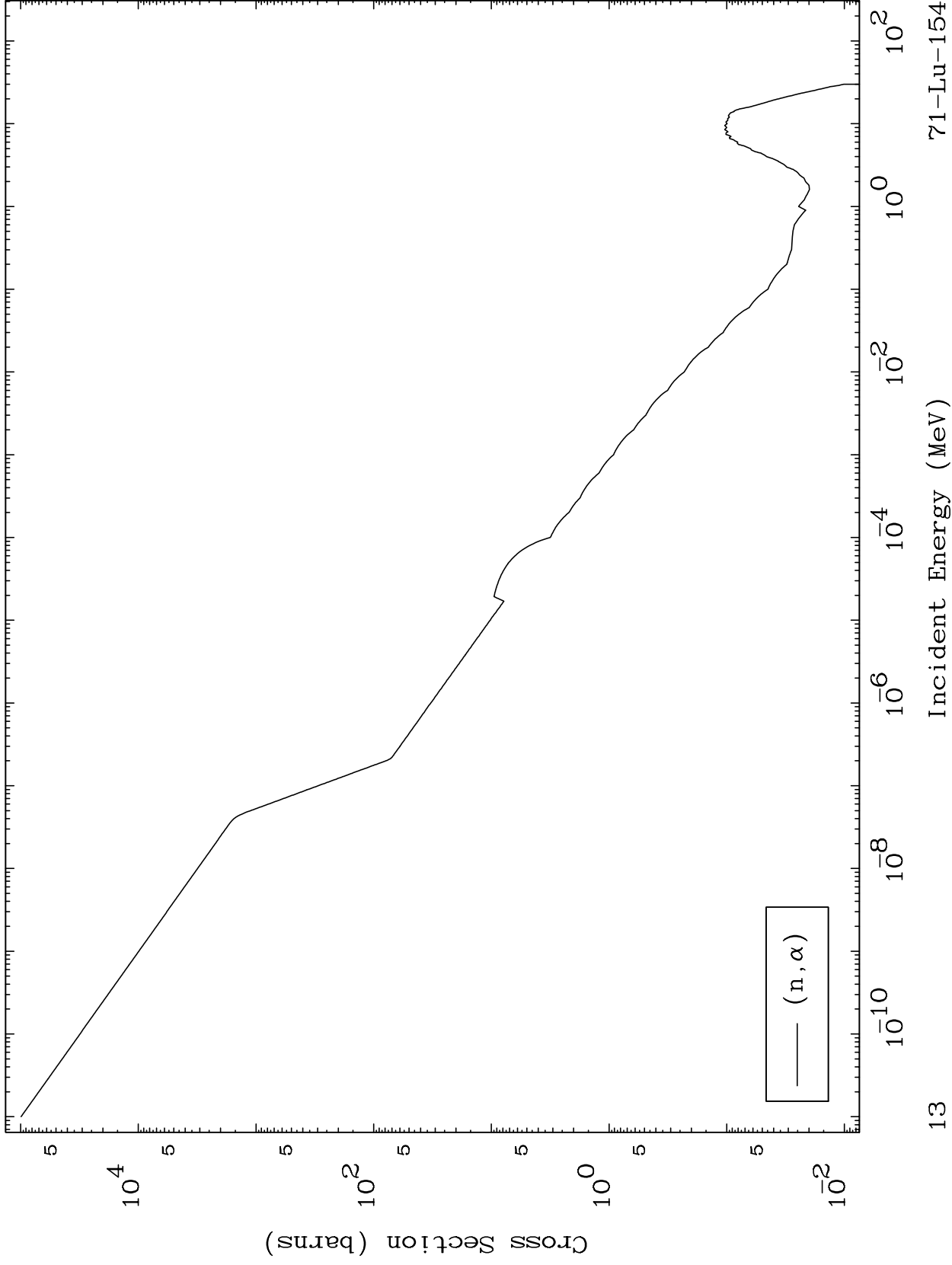
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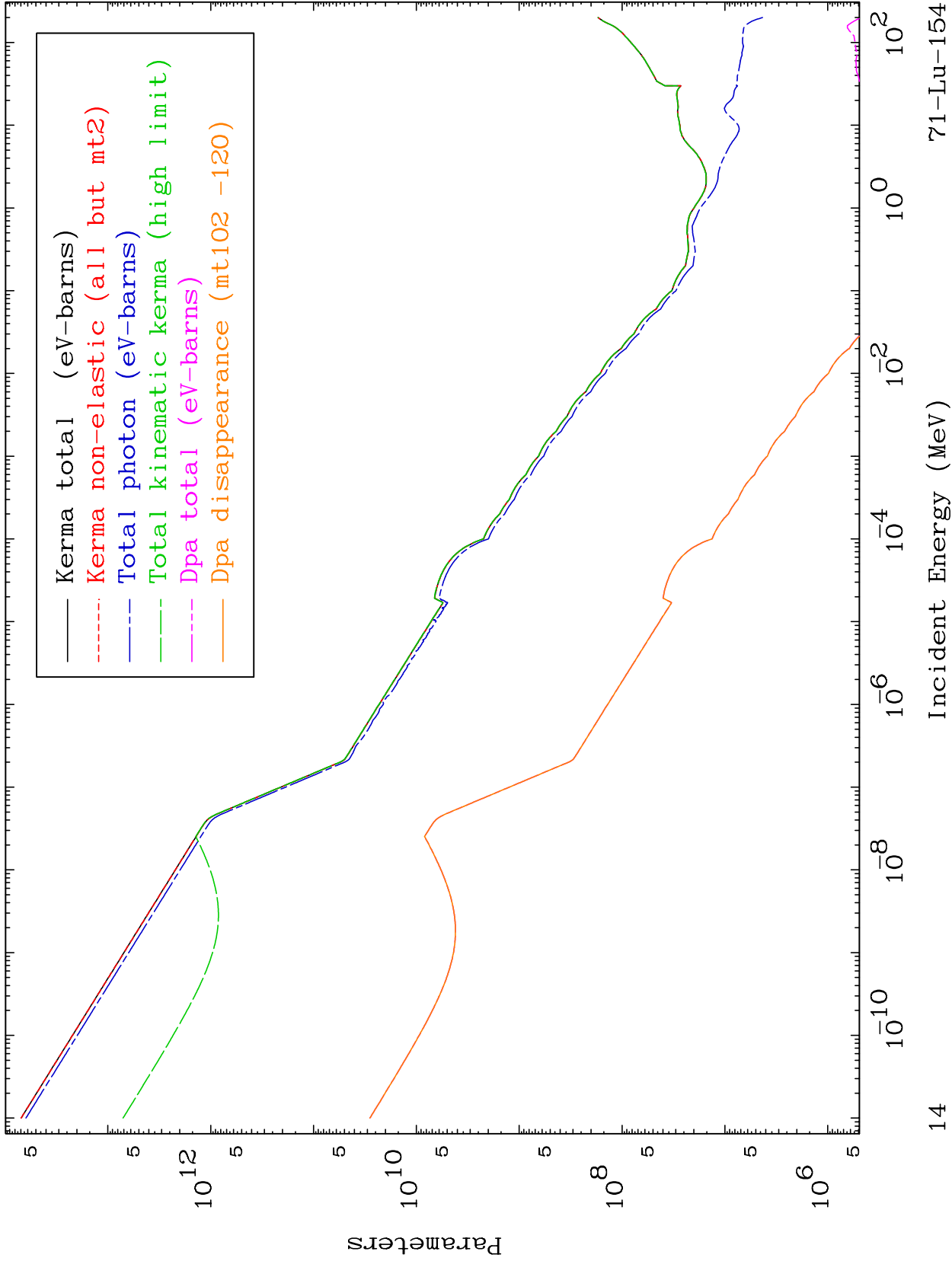


MAT 7062

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-154

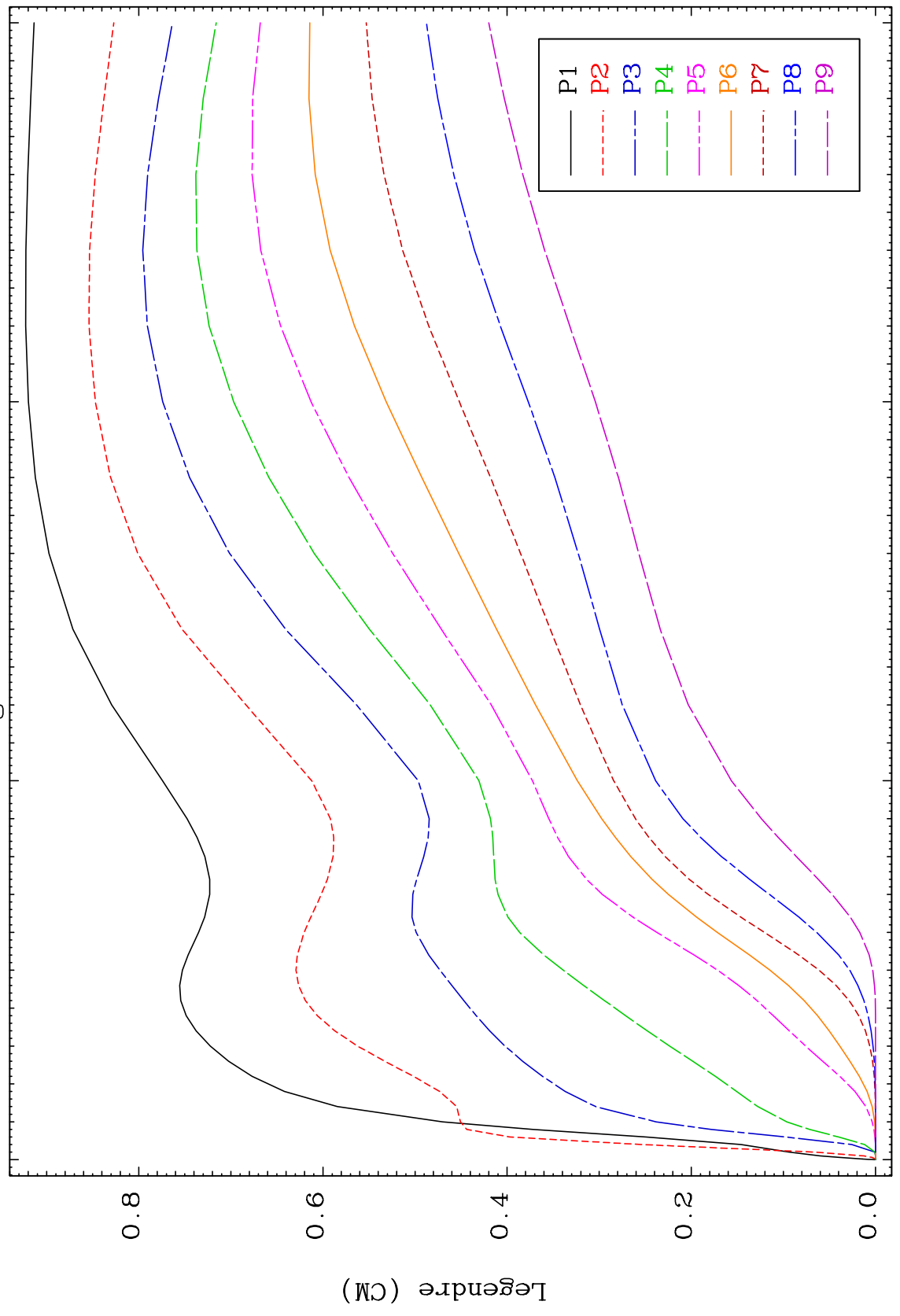




MAT 7062

71-Lu-154

Elastic Legendre Coefficients



71-Lu-154

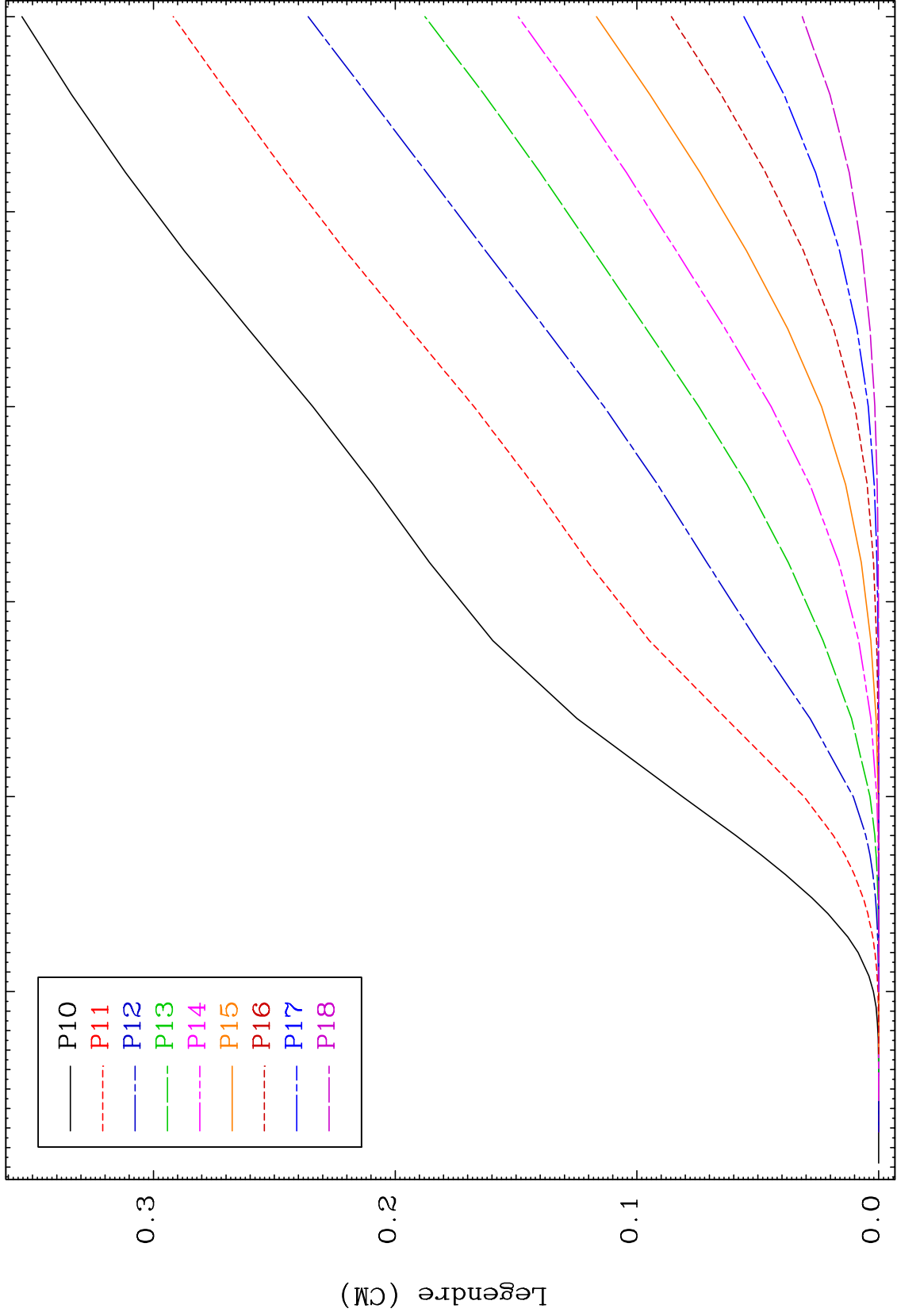
Incident Energy (MeV)

15

MAT 7062

Elastic
Legendre Coefficients

⁷¹Lu-154



16

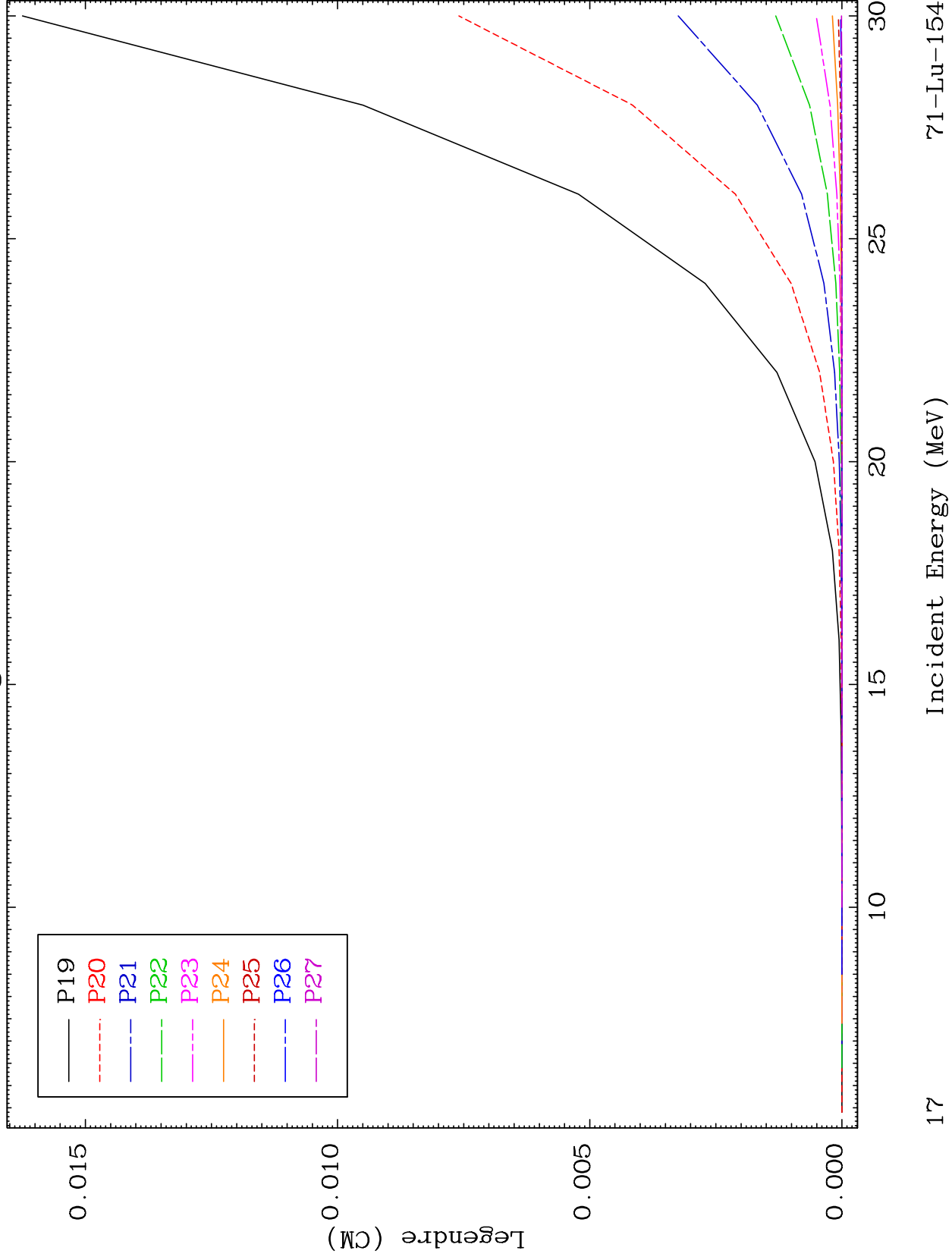
Incident Energy (MeV)

⁷¹Lu-154

MAT 7062

Elastic Legendre Coefficients

71-Lu-154



17

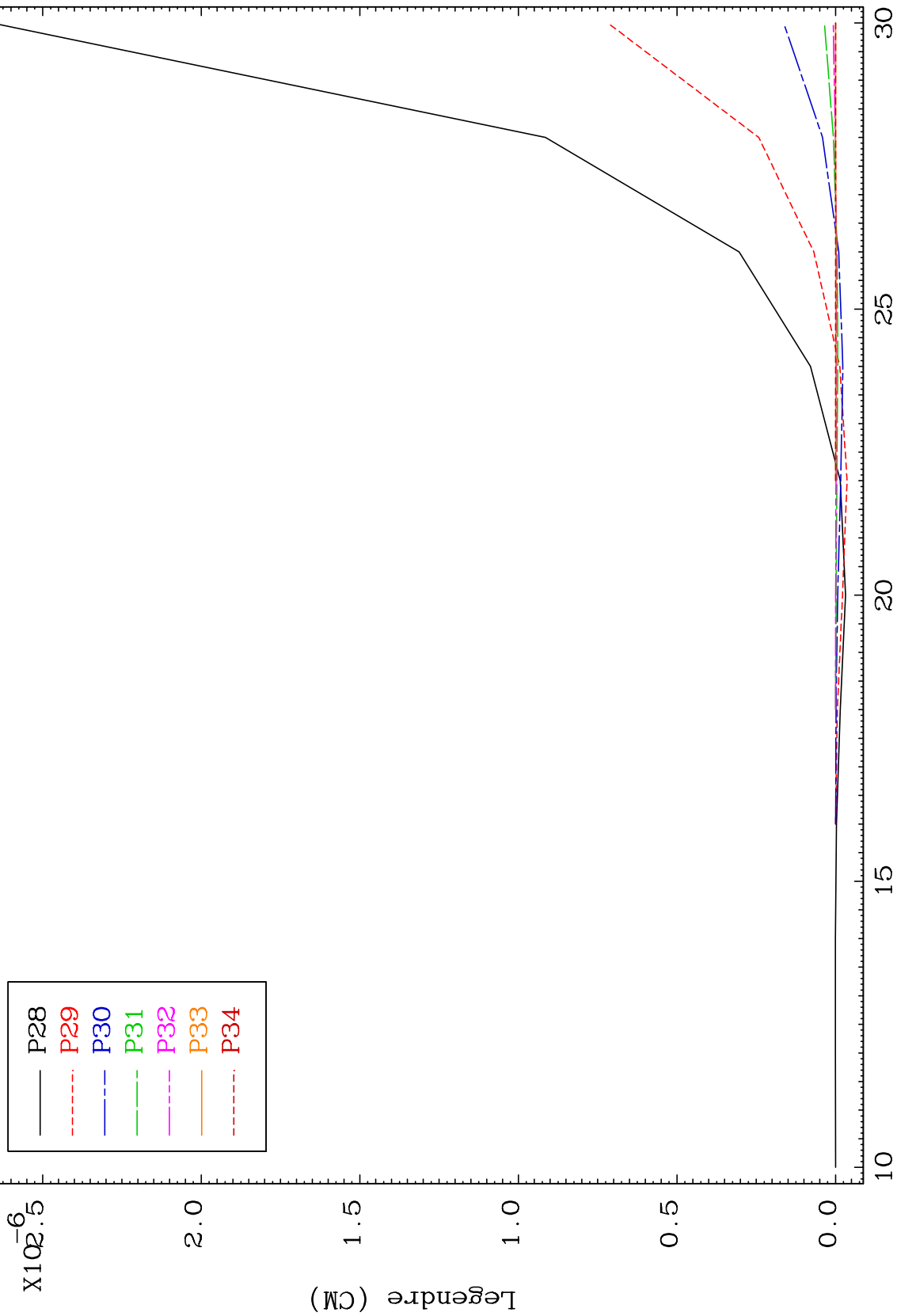
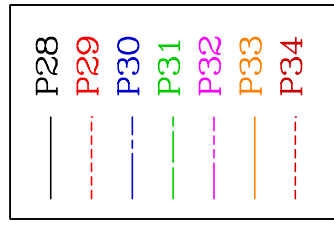
Incident Energy (MeV)

71-Lu-154

MAT 7062

Elastic Legendre Coefficients

71-Lu-154



18

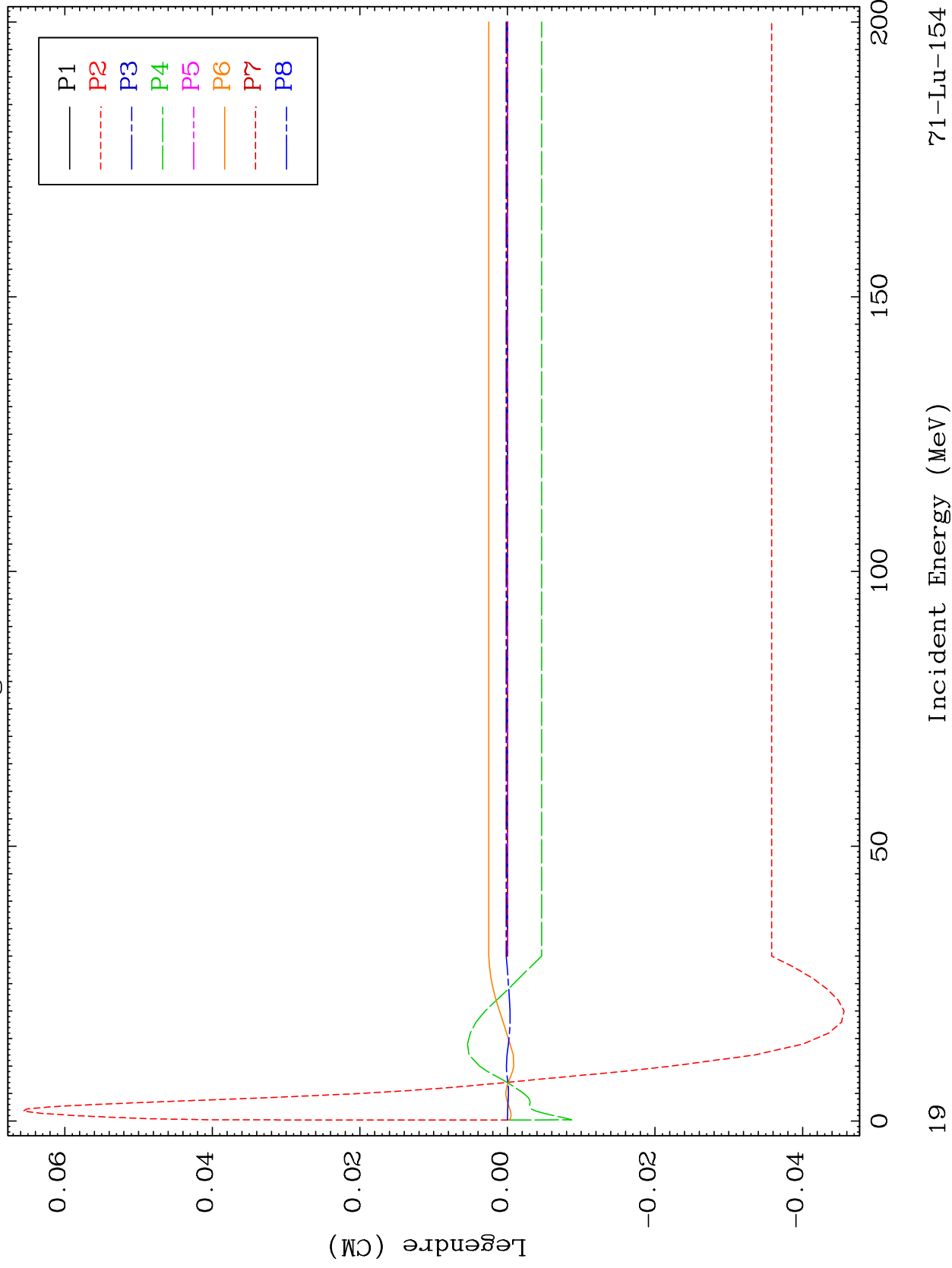
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154

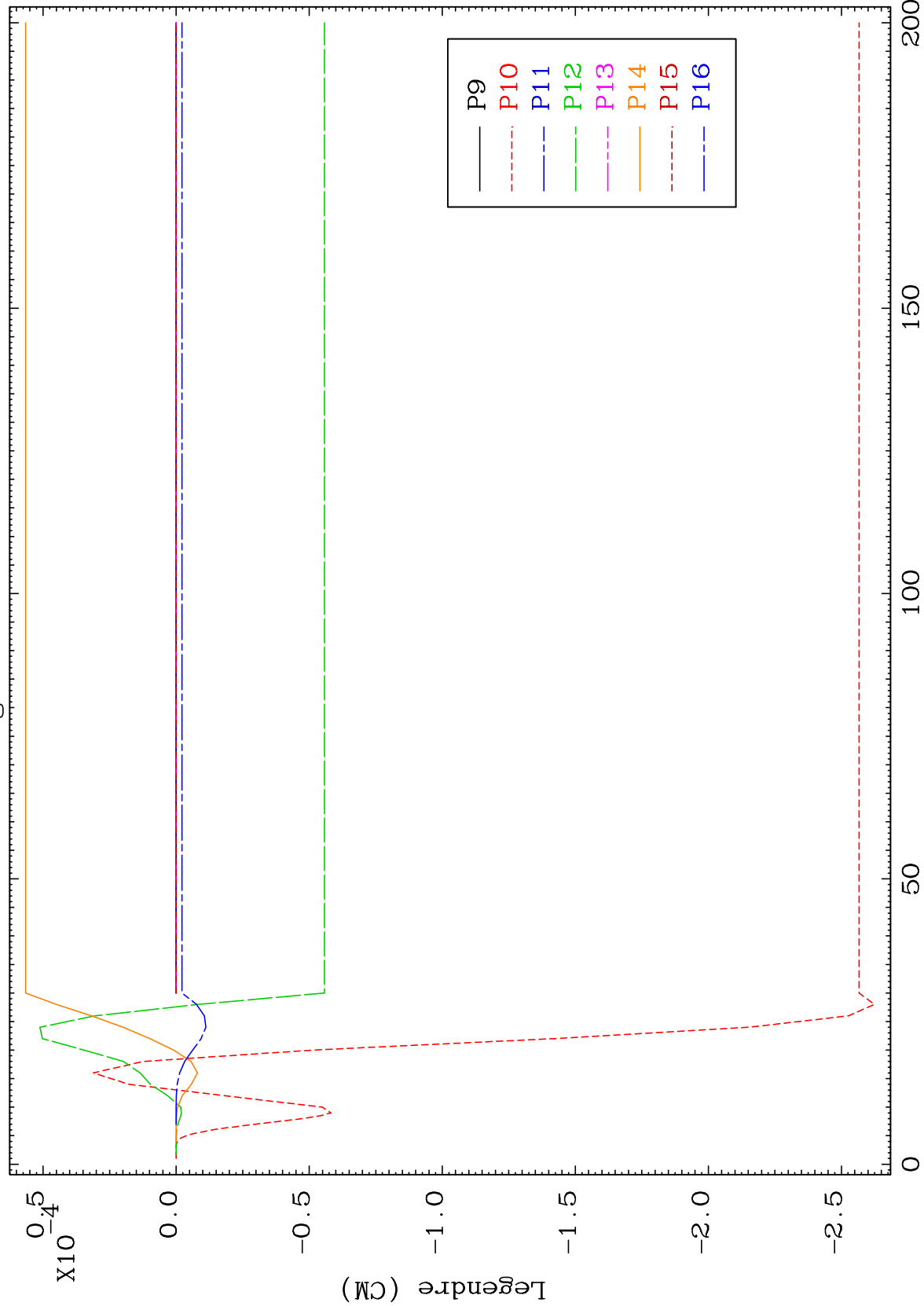


19

MAT 7062

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

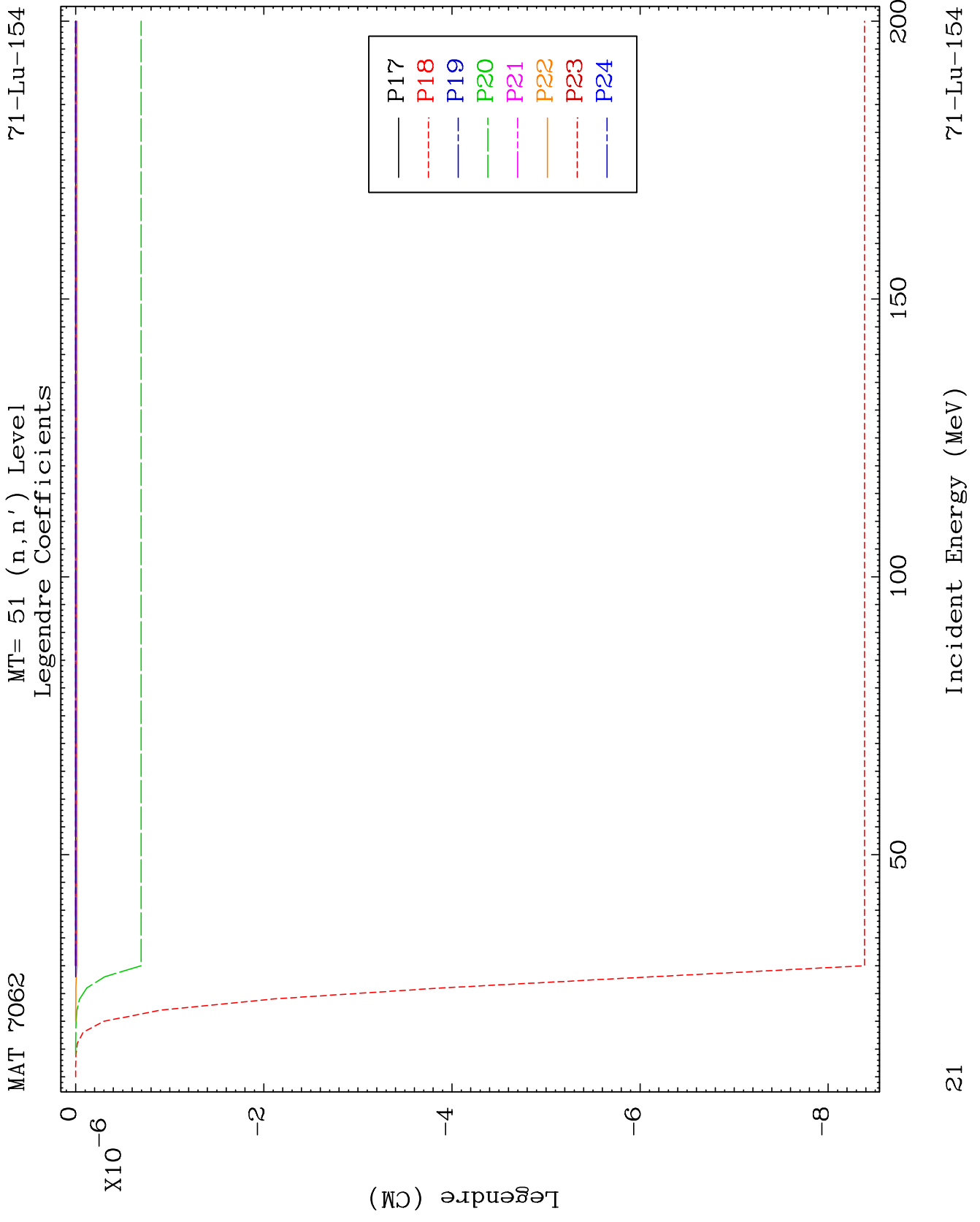
71-Lu-154



71-Lu-154

Incident Energy (MeV)

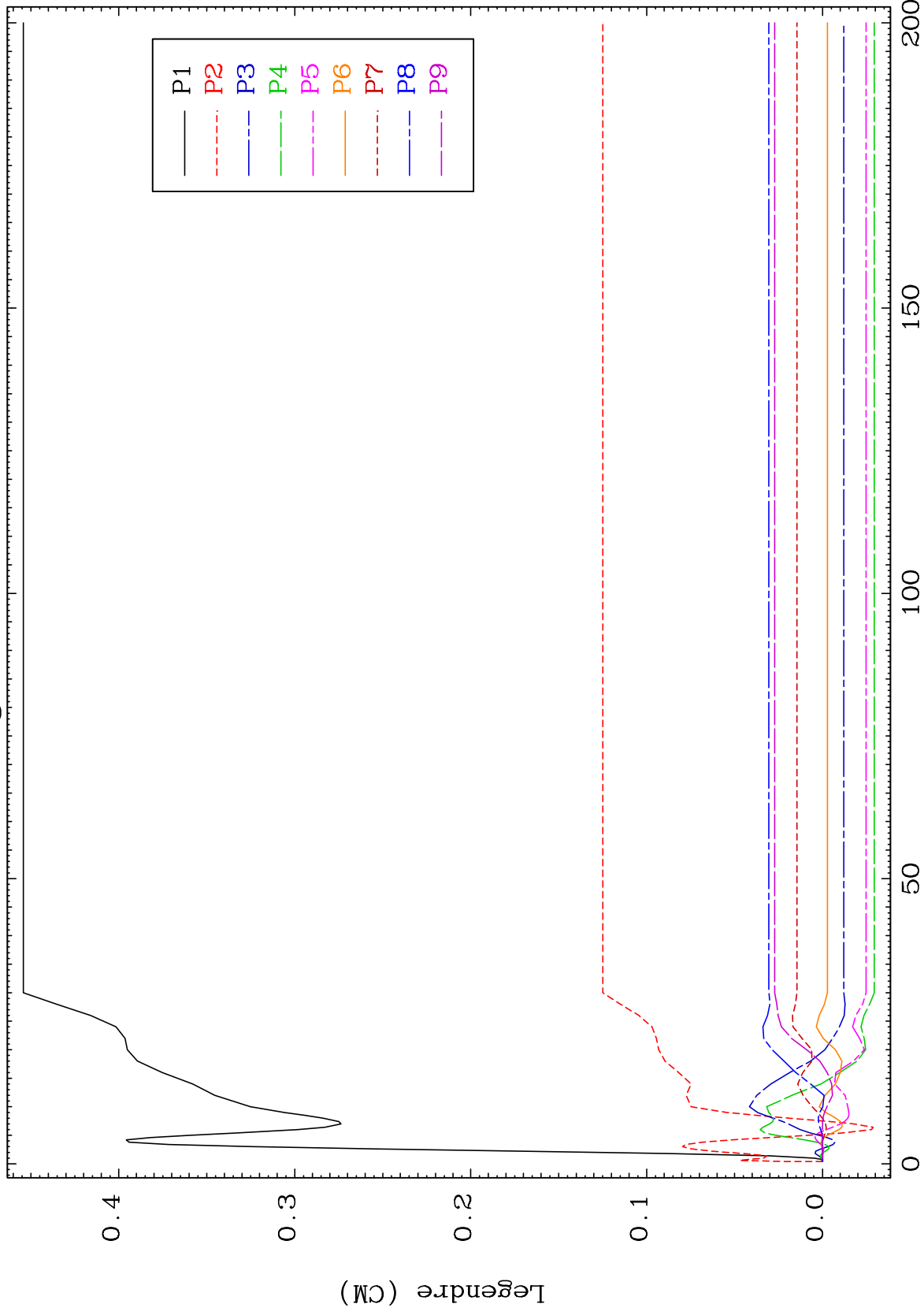
20



MAT 7062

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

71-Lu-154



22

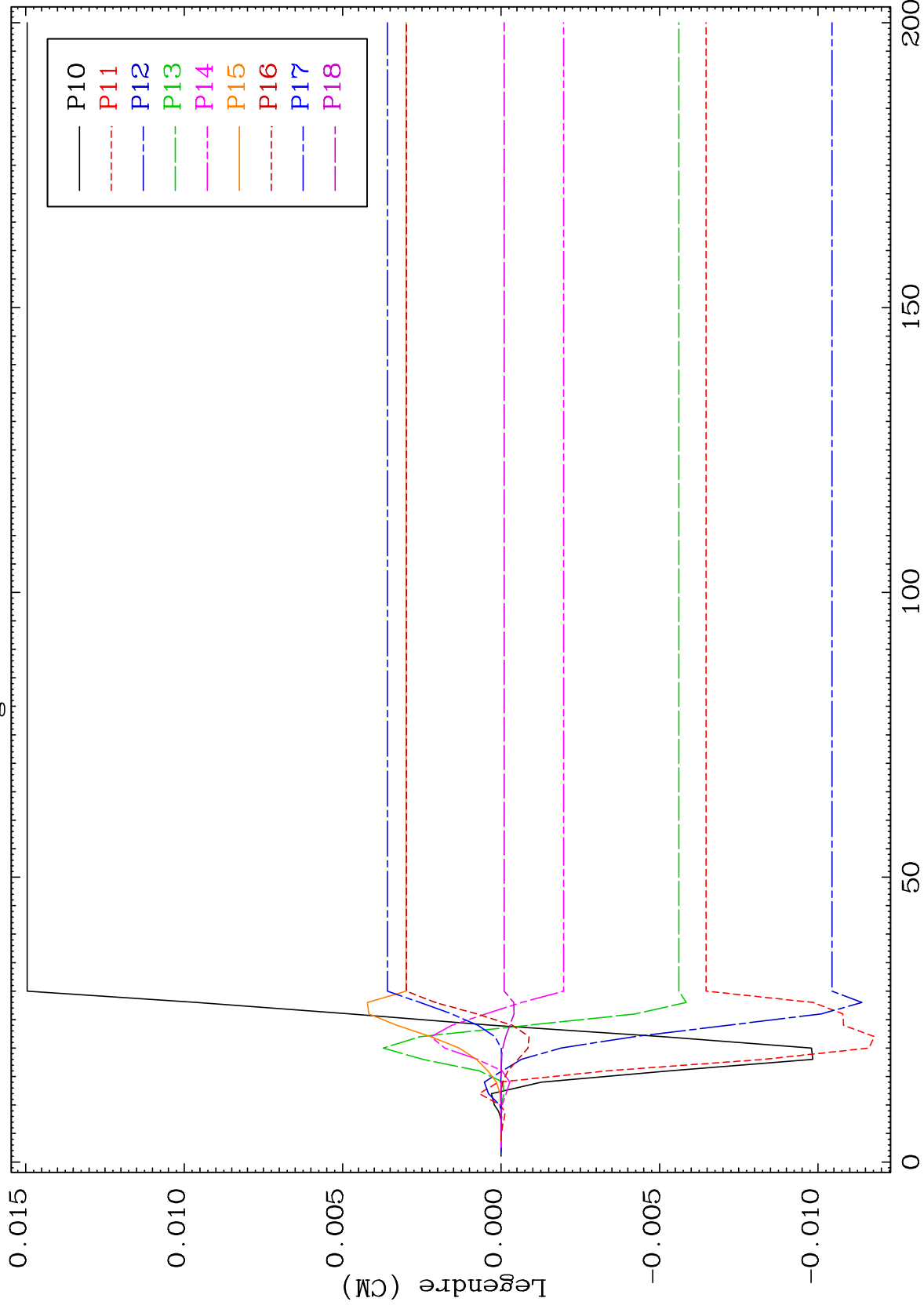
Incident Energy (MeV)

71-Lu-154

MAT 7062

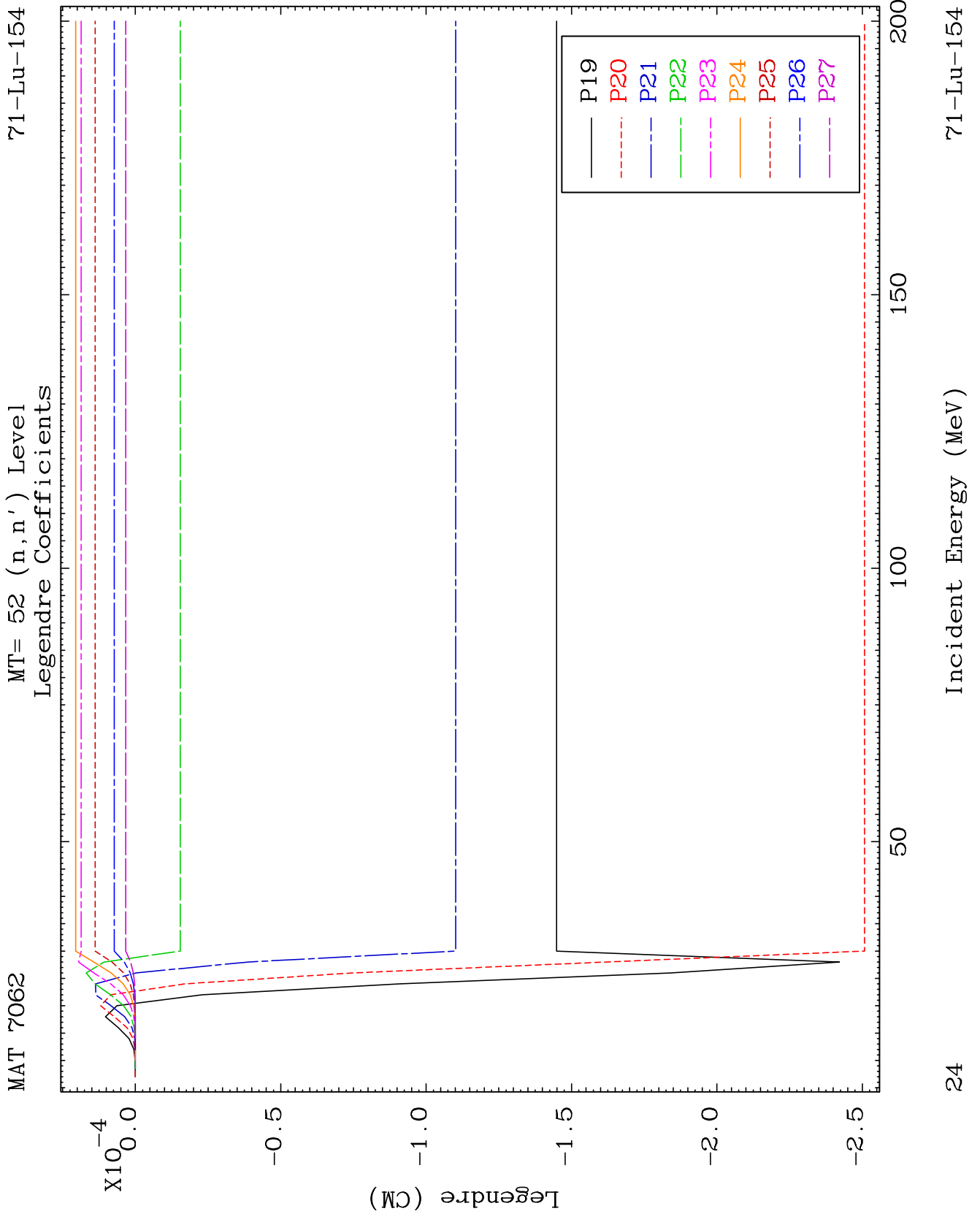
MT= 52 (n,n') Level
Legendre Coefficients

71-Lu-154



23

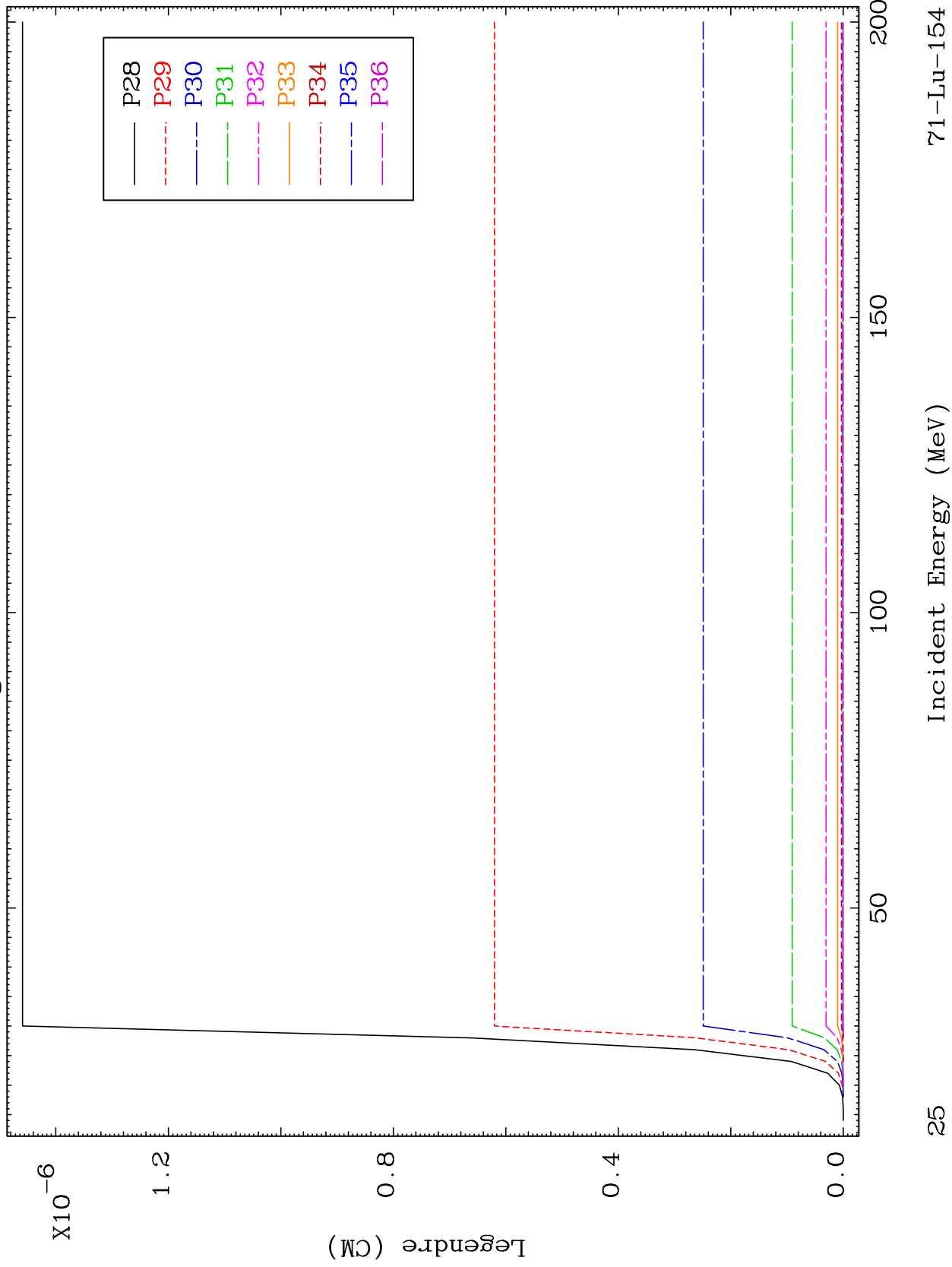
71-Lu-154



MAT 7062

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

71-Lu-154



71-Lu-154

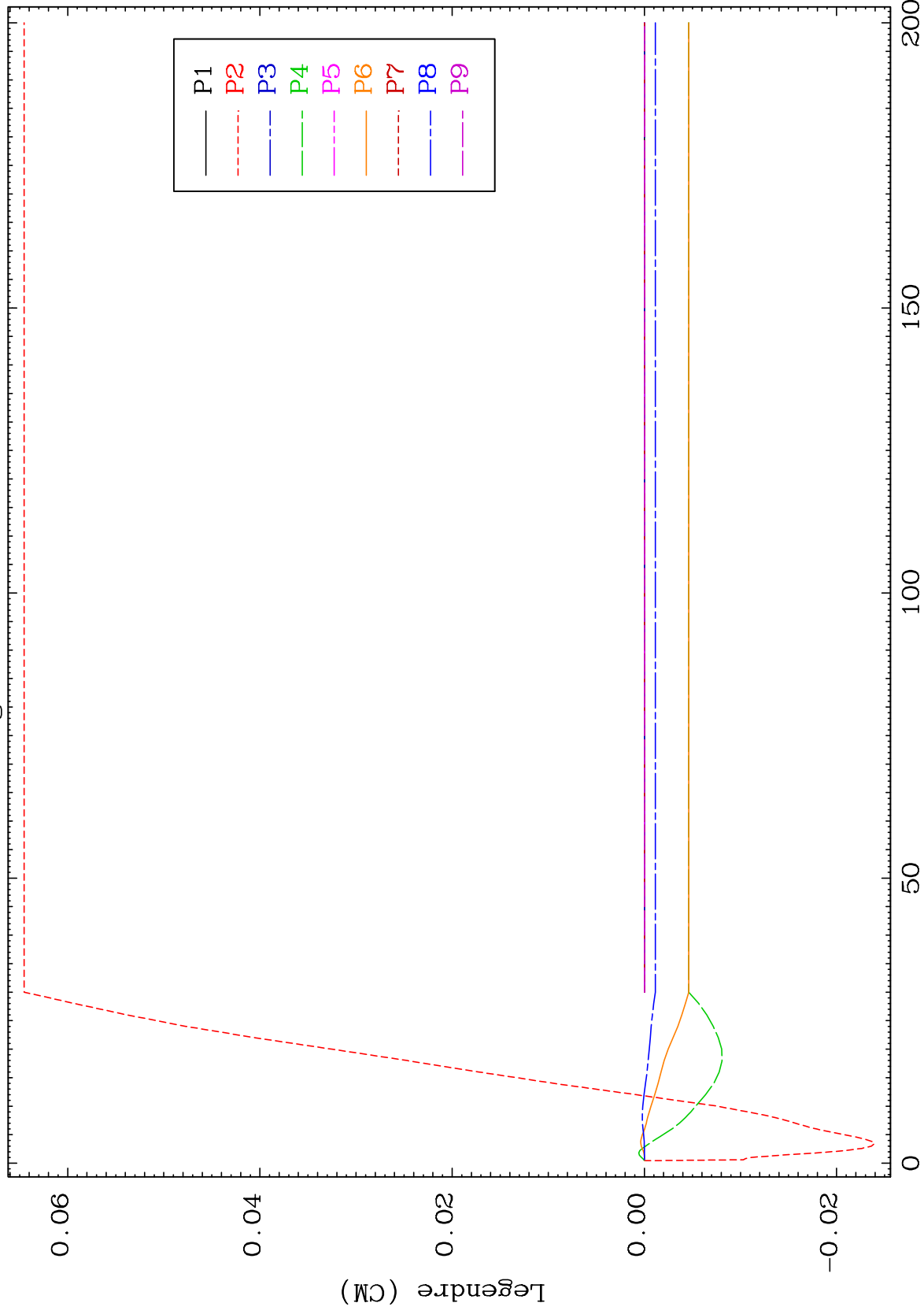
Incident Energy (MeV)

25

MAT 7062

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

71-Lu-154



71-Lu-154

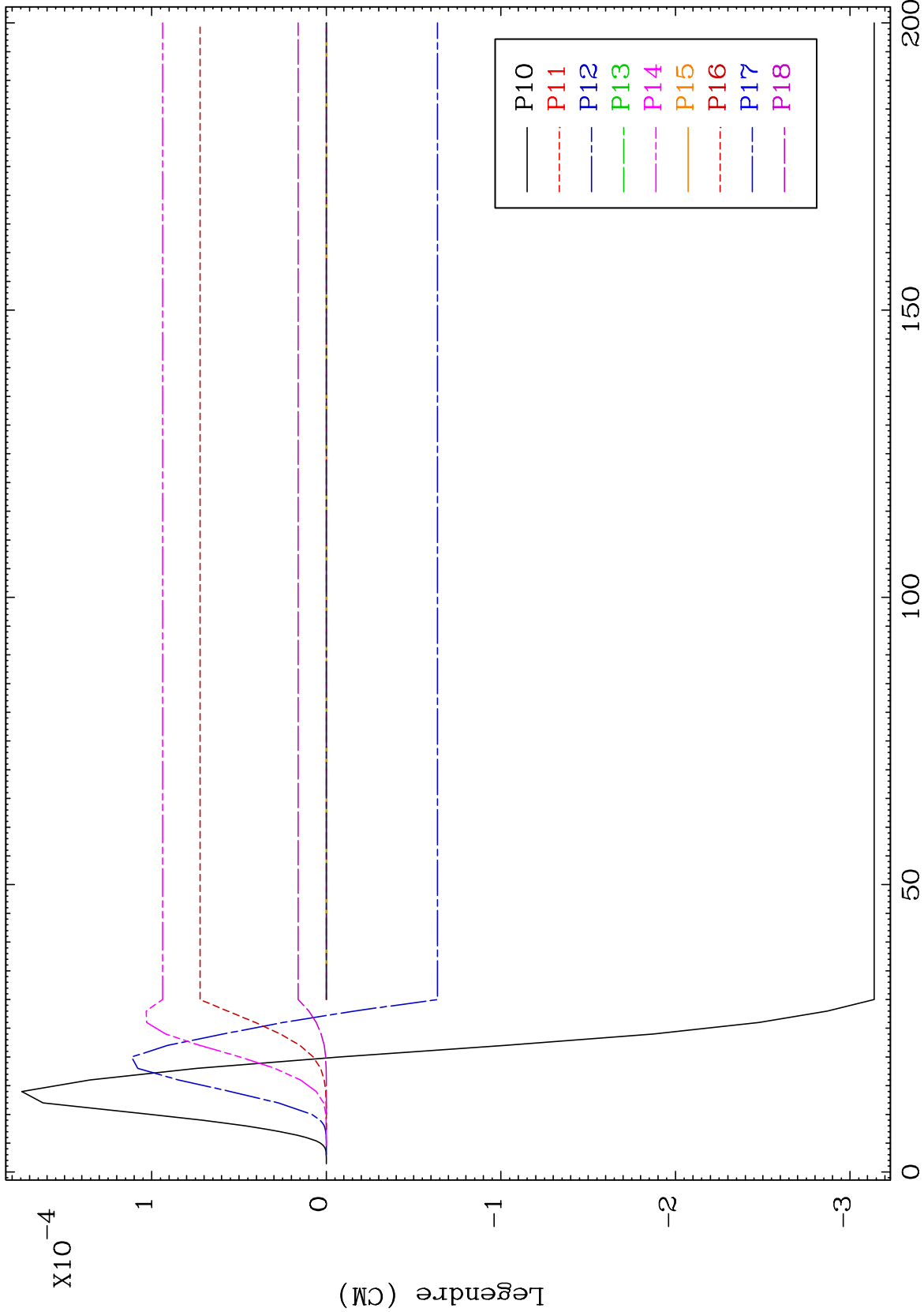
Incident Energy (MeV)

26

MAT 7062

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

71-Lu-154



27

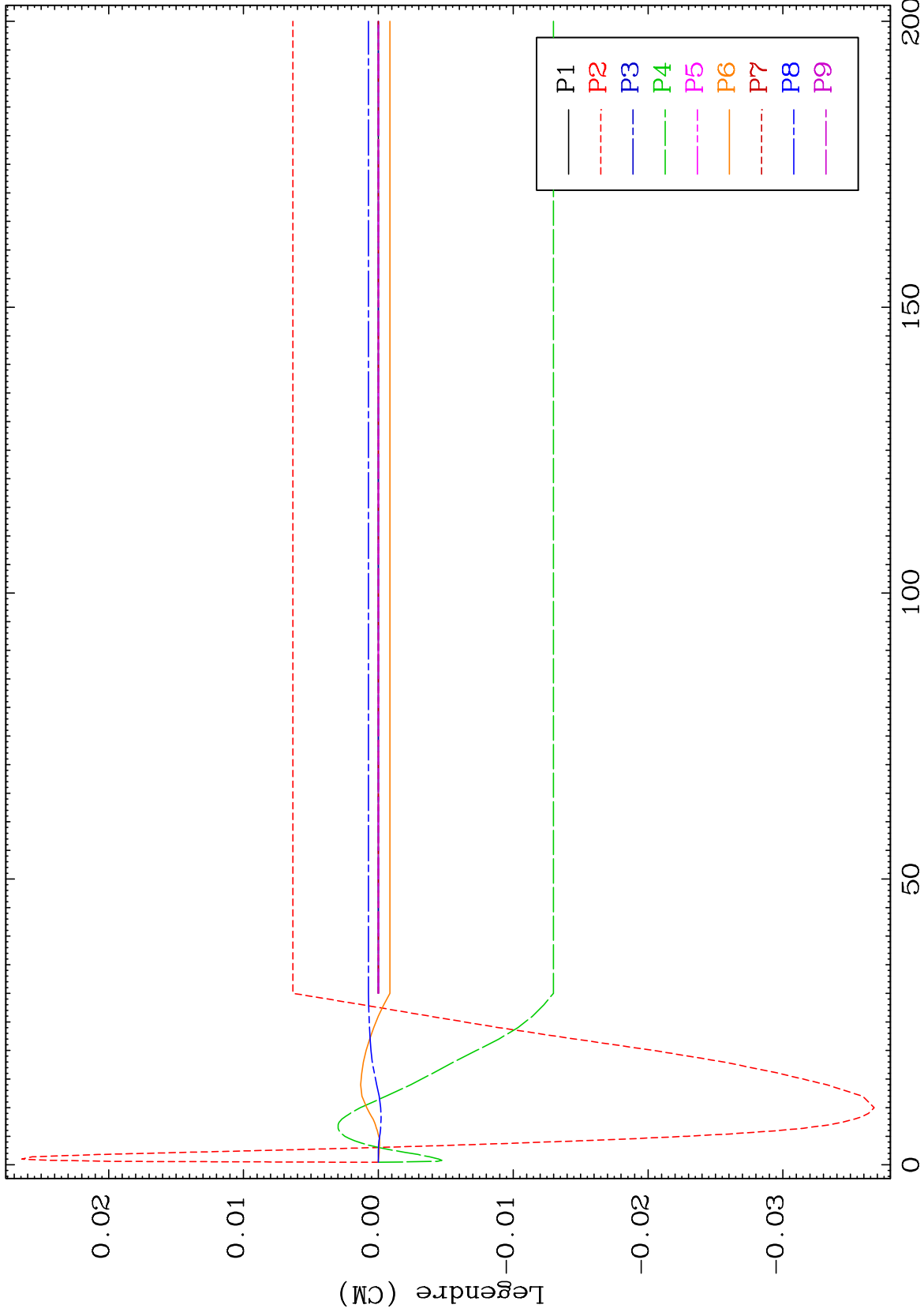
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



29

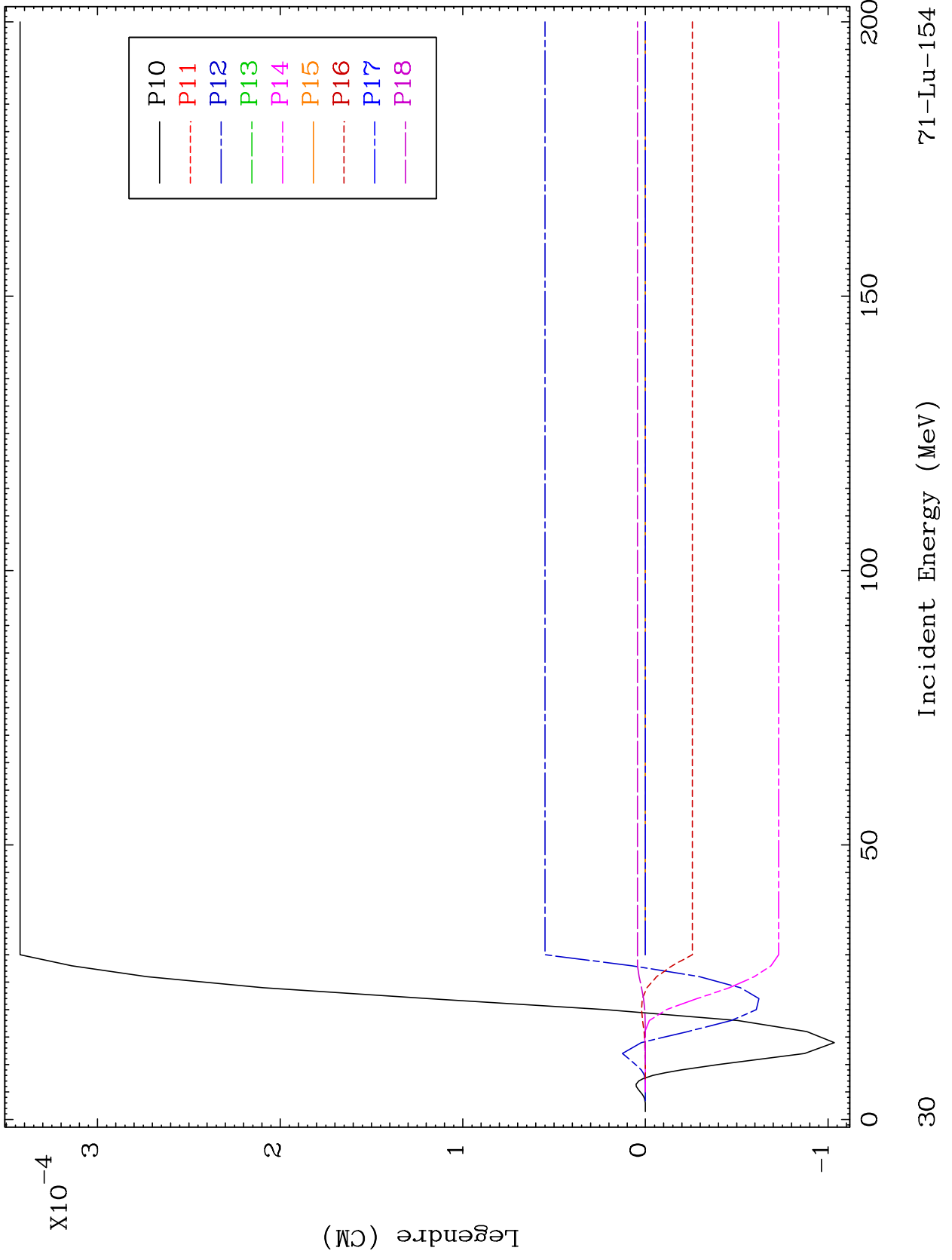
Incident Energy (MeV)

71-Lu-154

MAT 7062

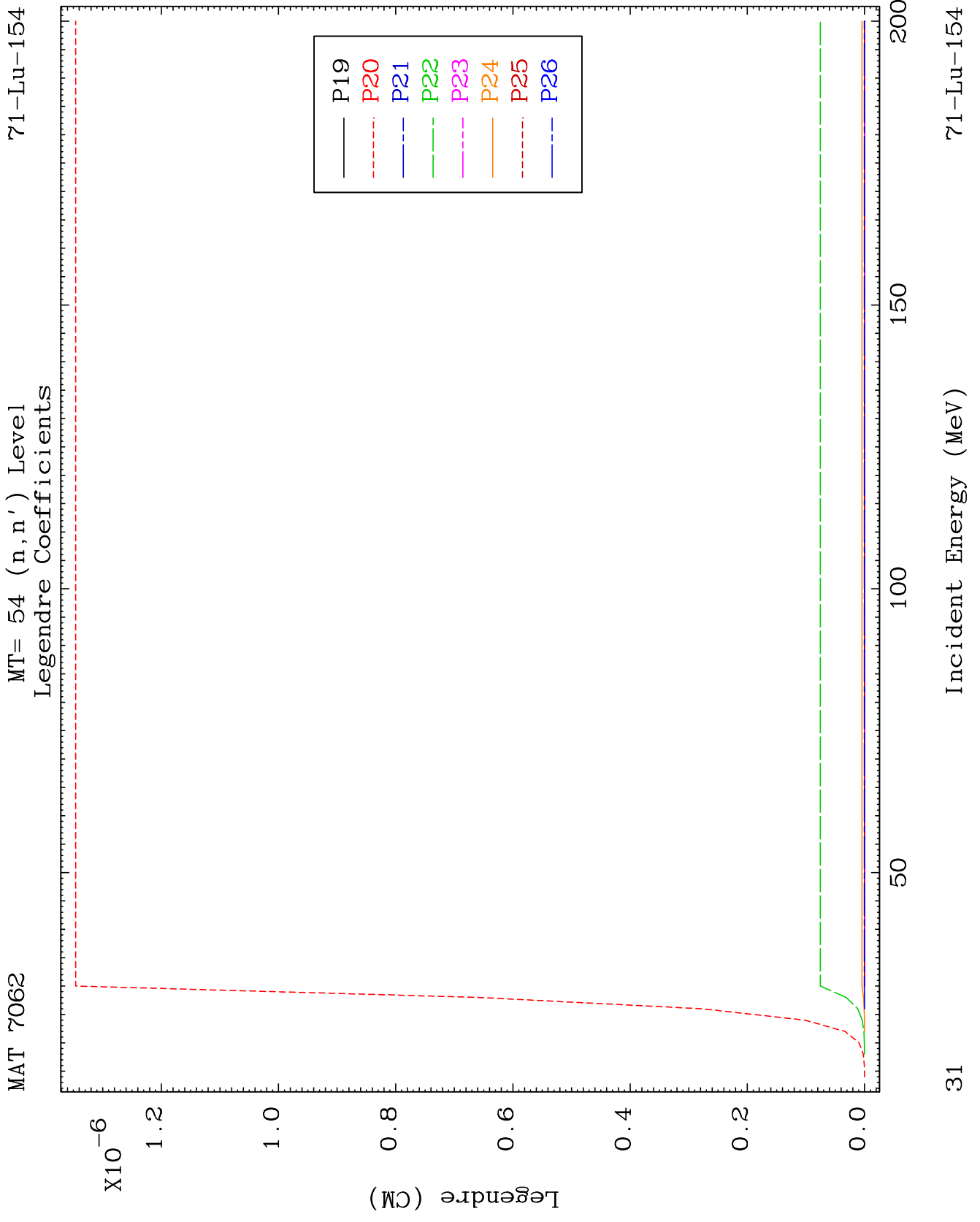
MT= 54 (n,n') Level
Legendre Coefficients

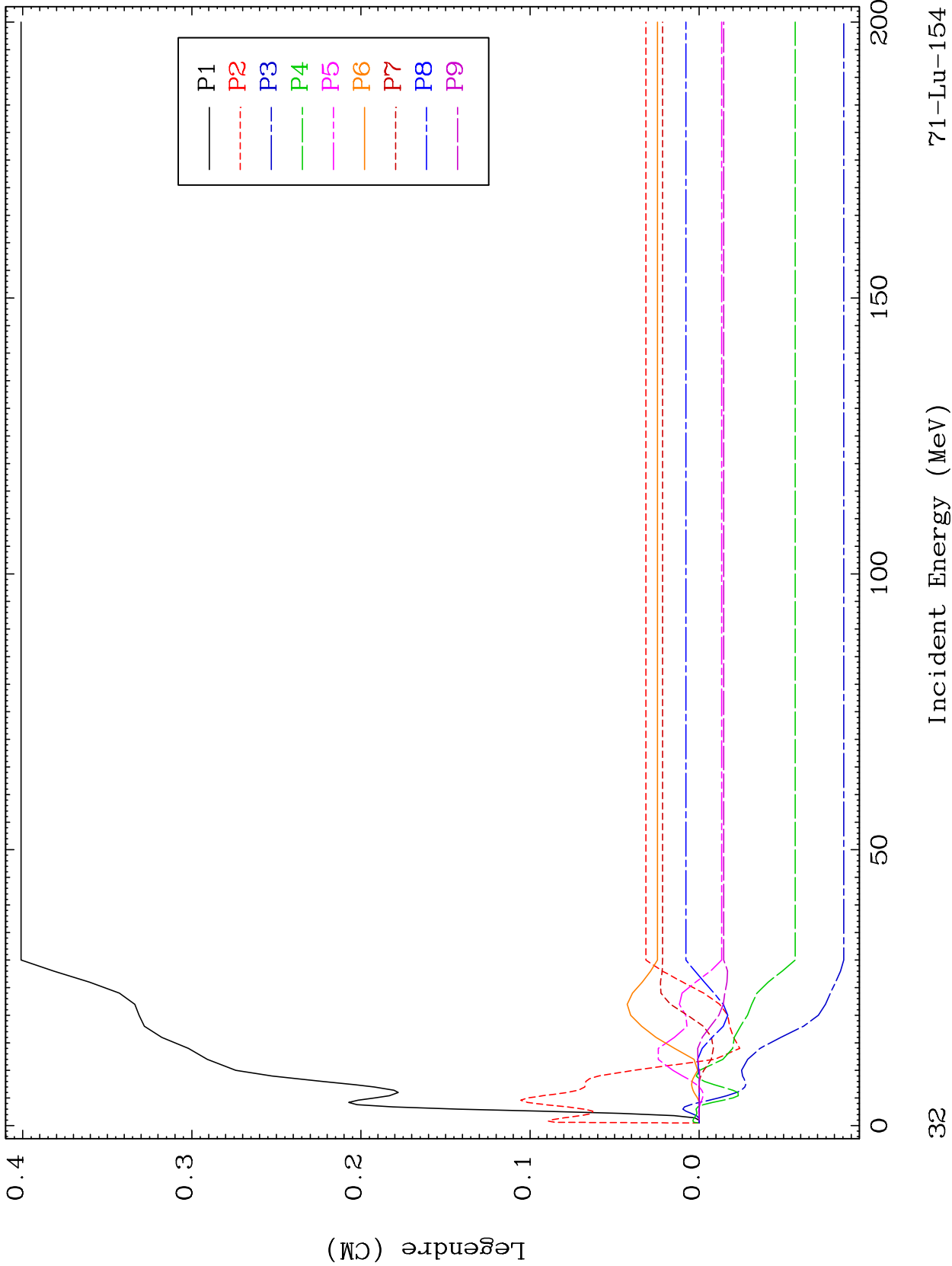
71-Lu-154



71-Lu-154

Incident Energy (MeV)

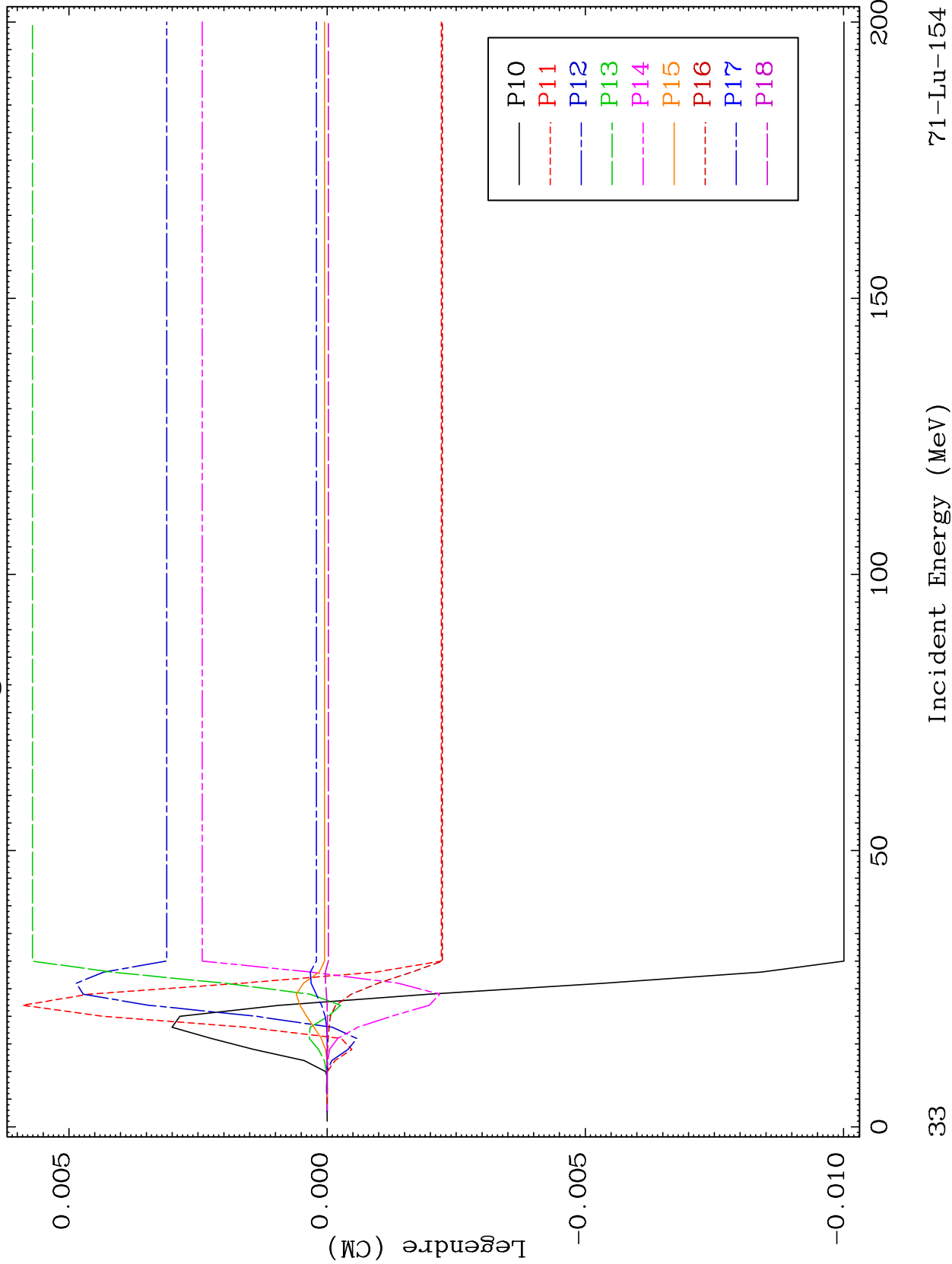




MAT 7062

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

71-Lu-154



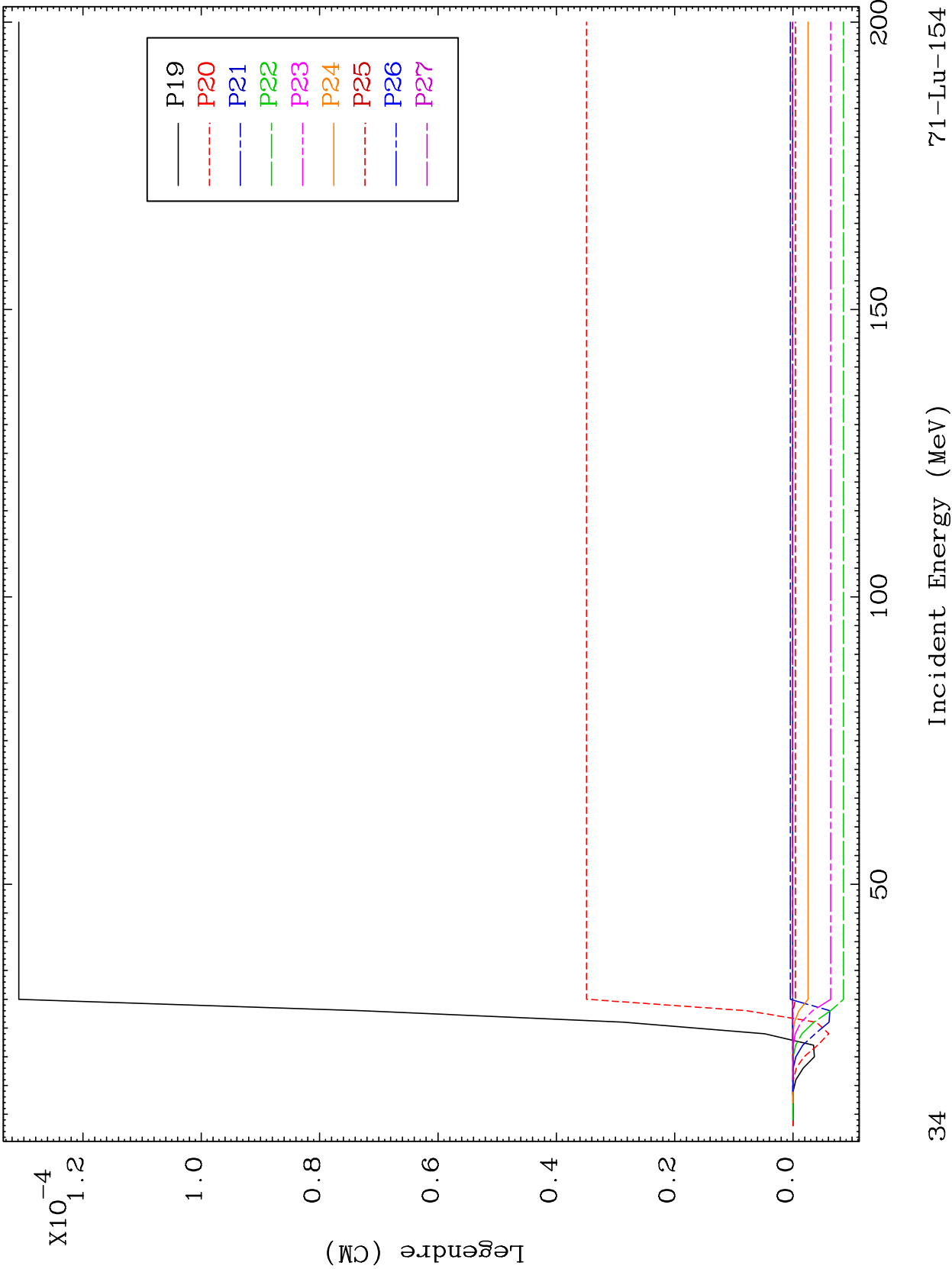
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71-Lu-154

MAT 7062

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

71-Lu-154



34

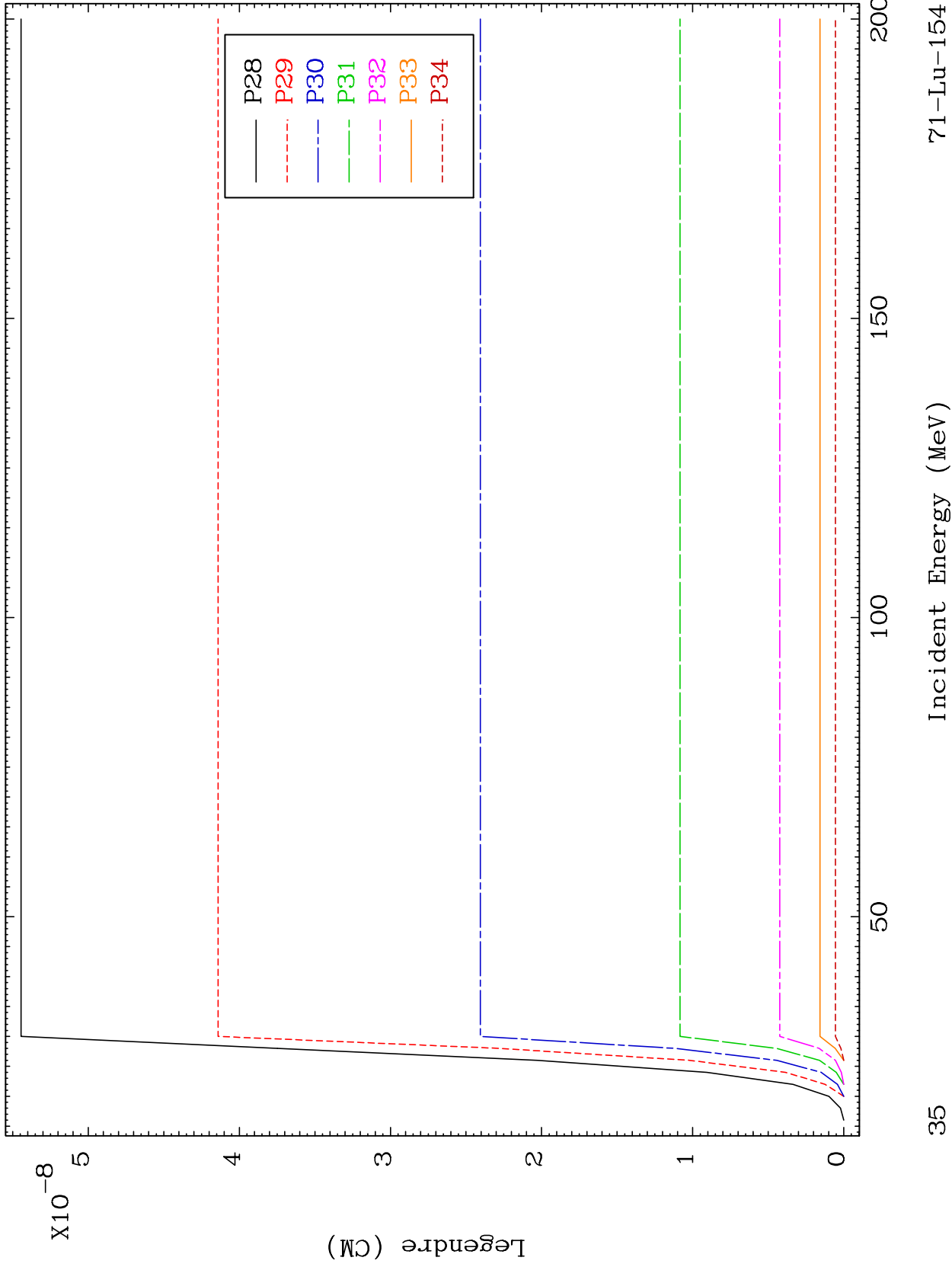
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

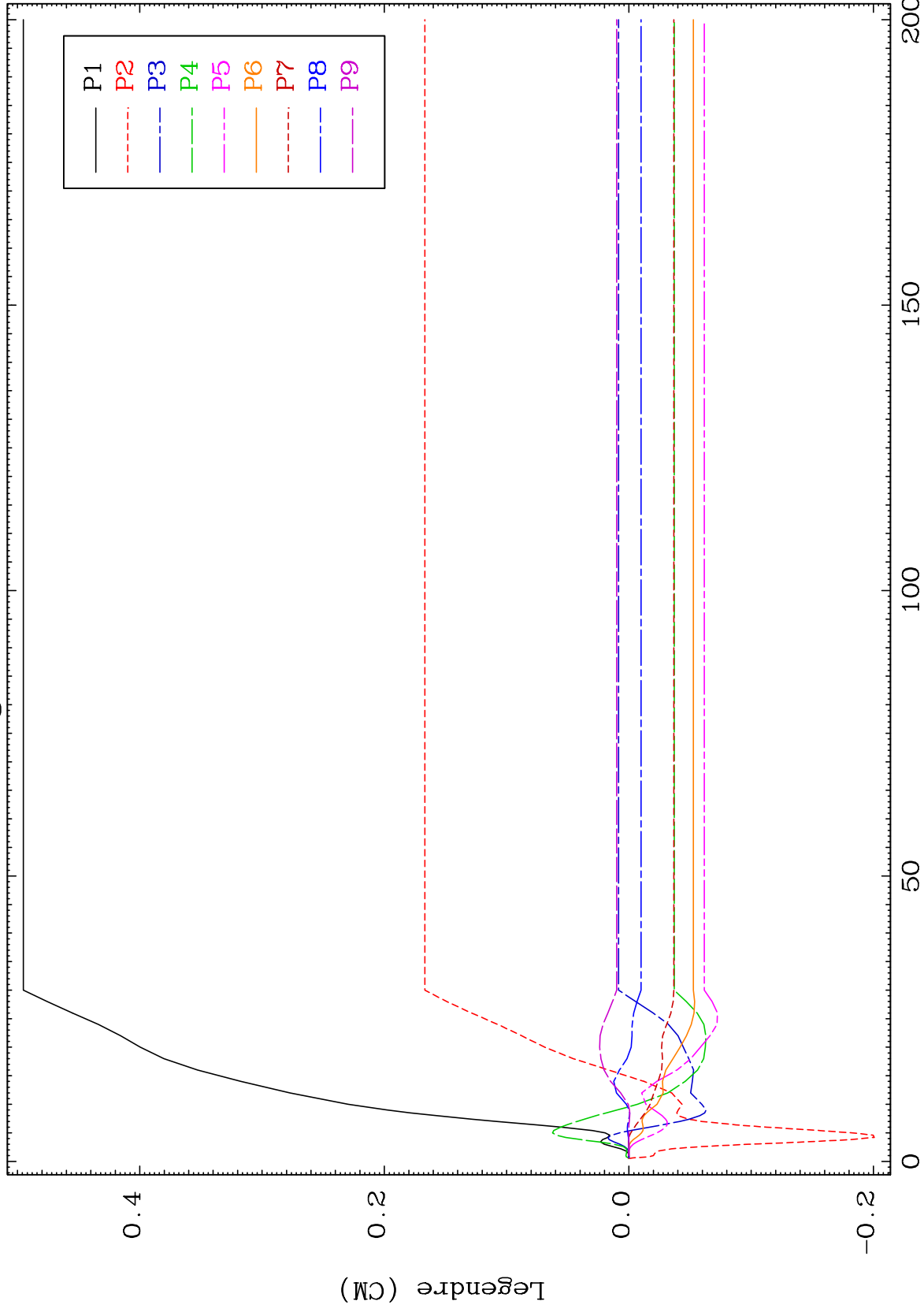
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MAT 7062

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

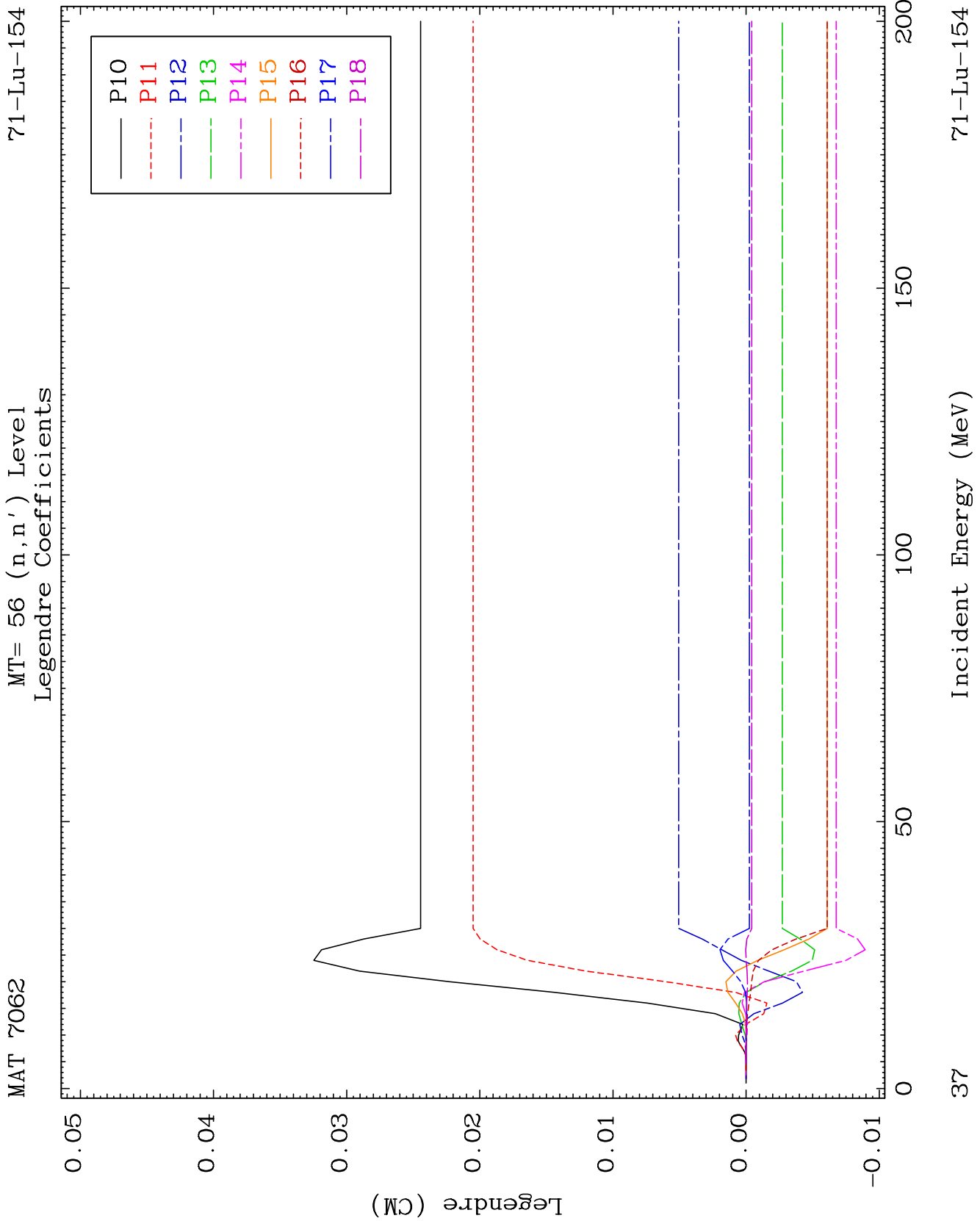
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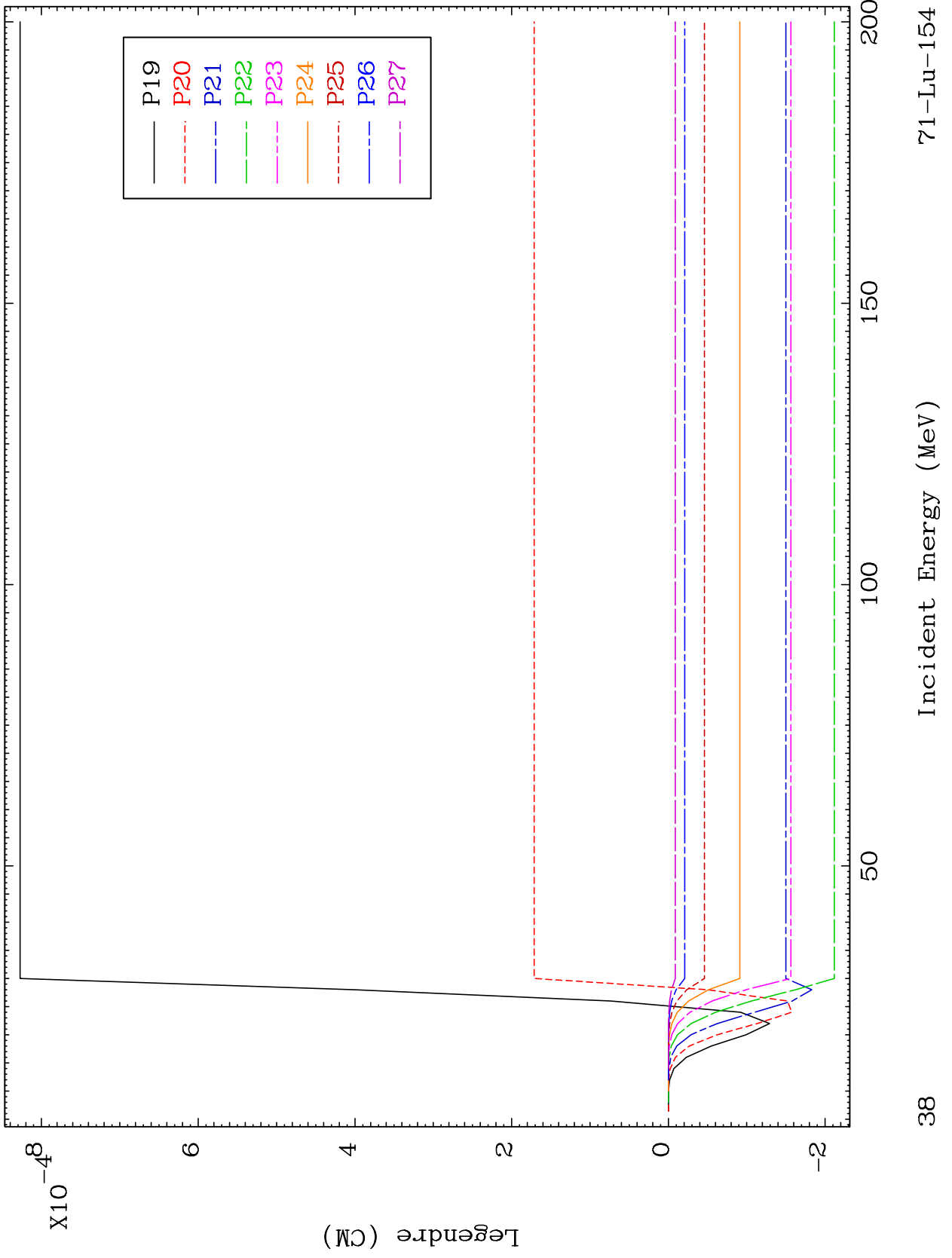


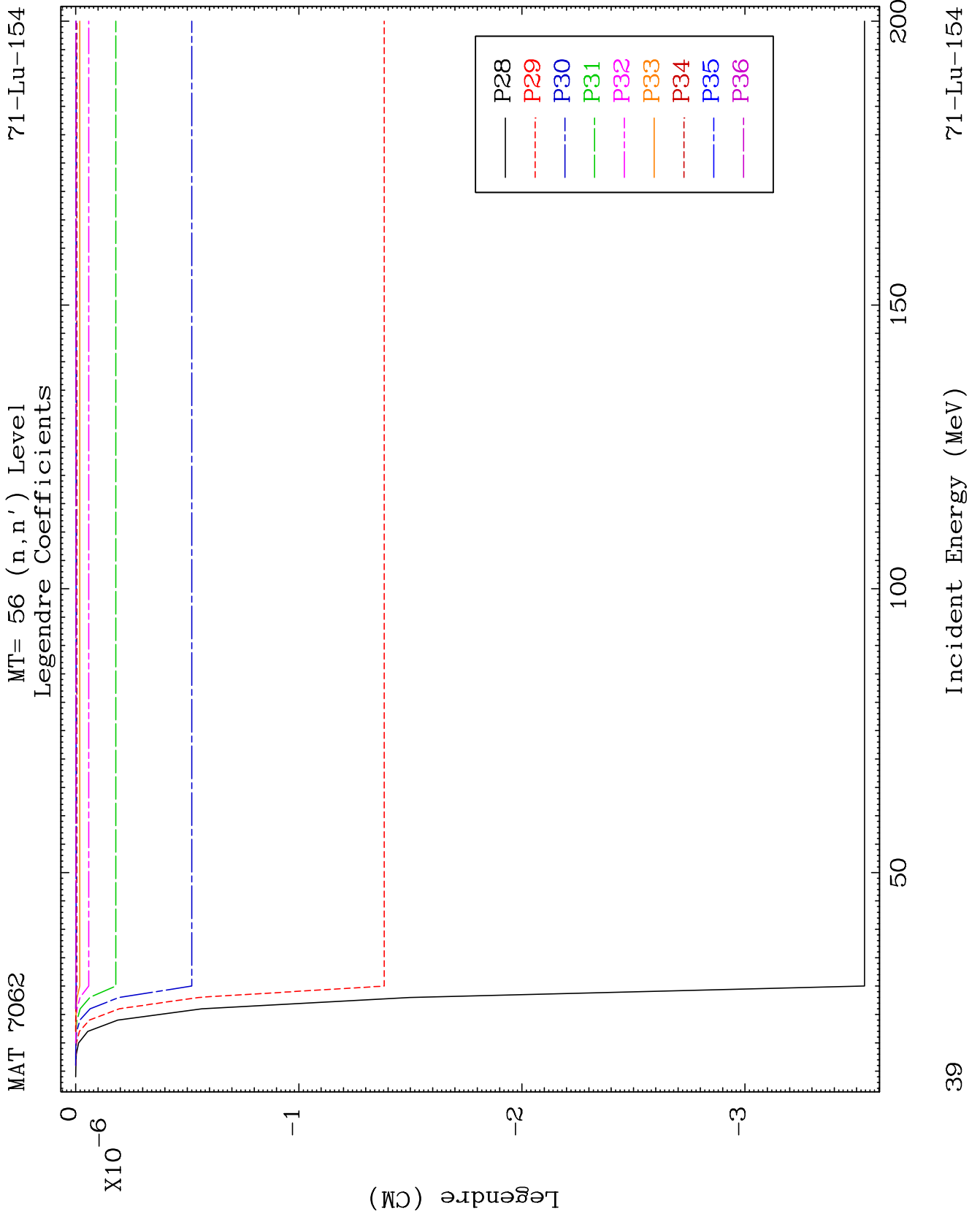
36

Incident Energy (MeV)

71-Lu-154



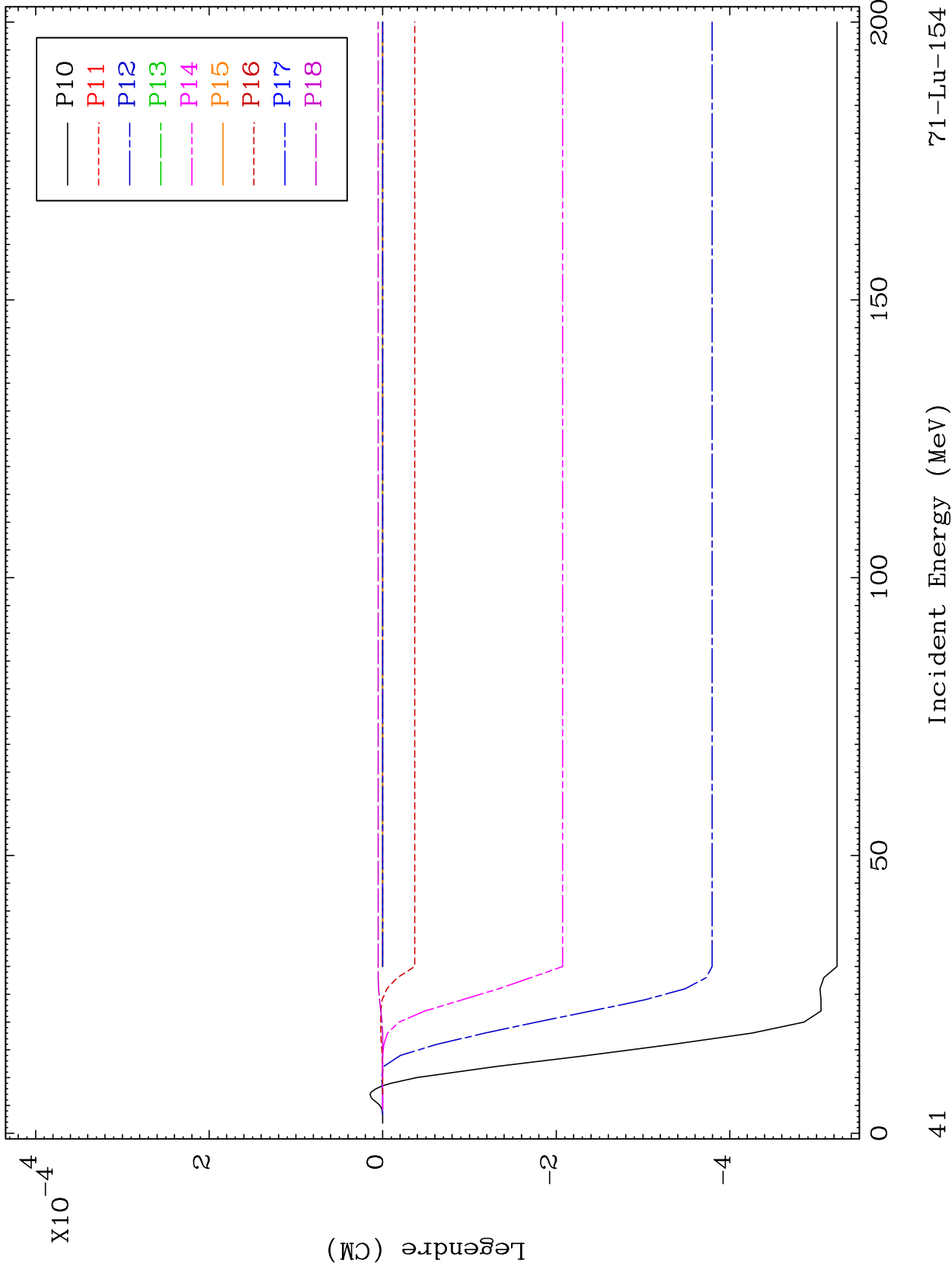




MAT 7062

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

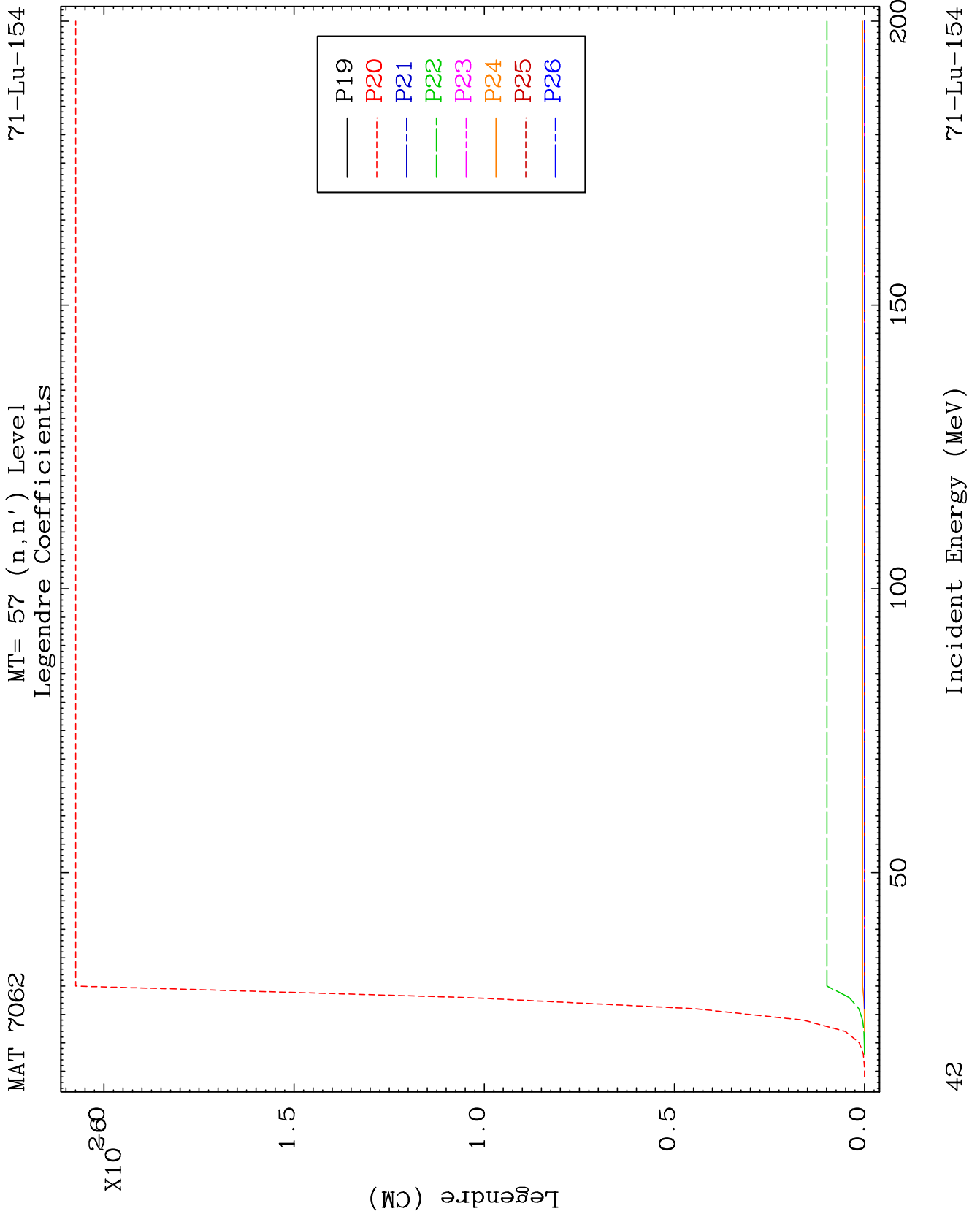
71-Lu-154



41

Incident Energy (MeV)

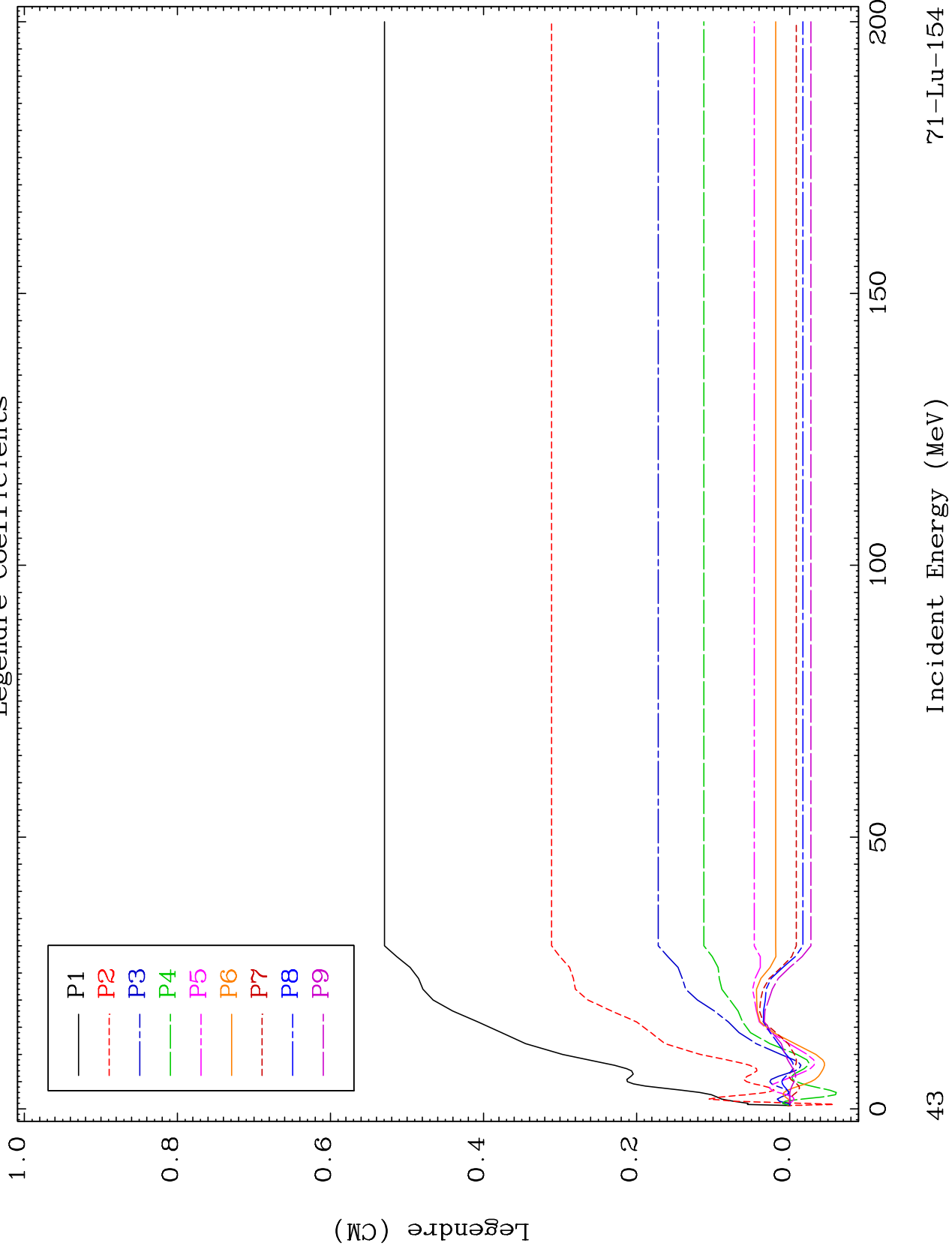
71-Lu-154



MAT 7062

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

71-Lu-154



71-Lu-154

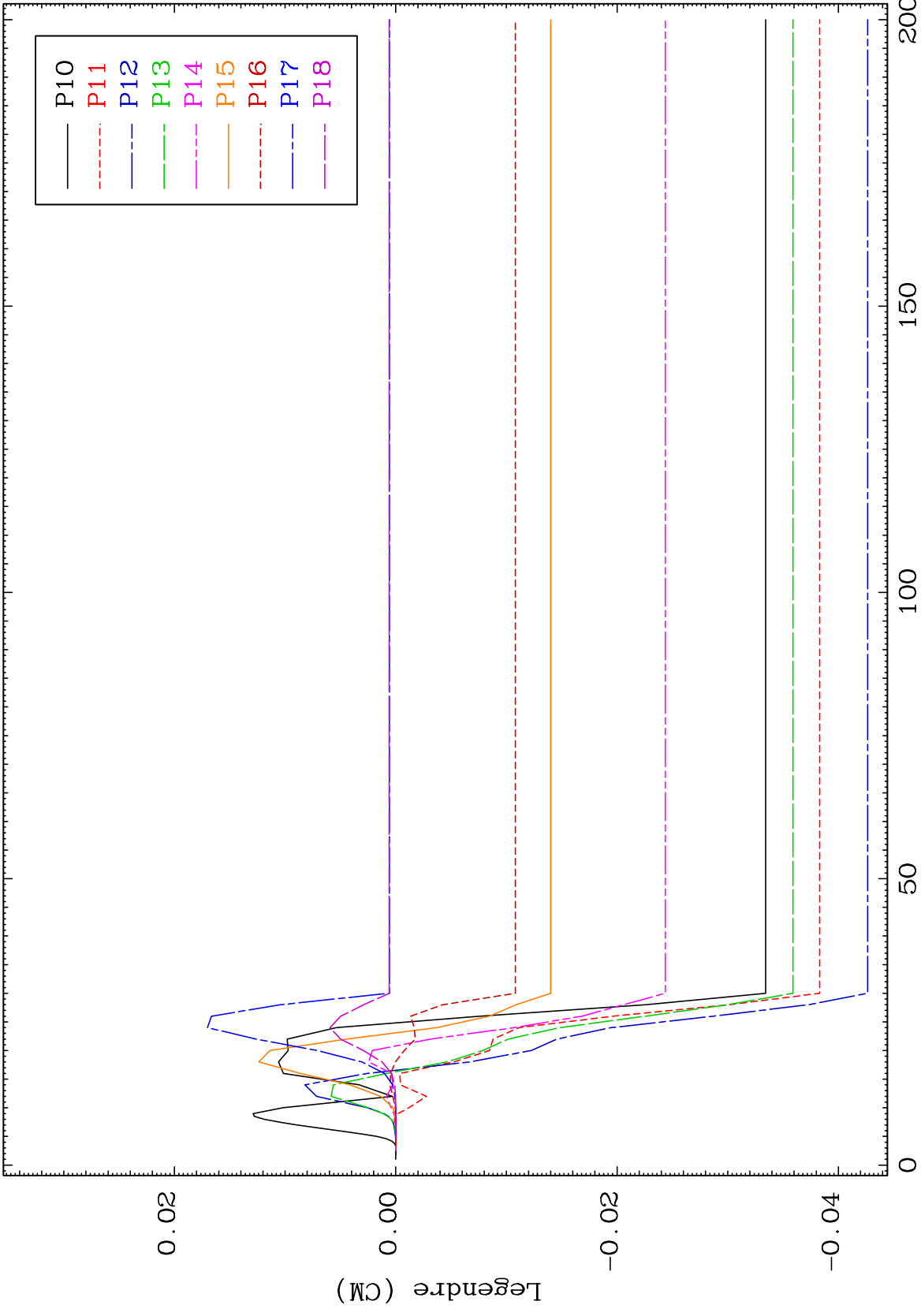
Incident Energy (MeV)

43

MAT 7062

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

71-Lu-154



44

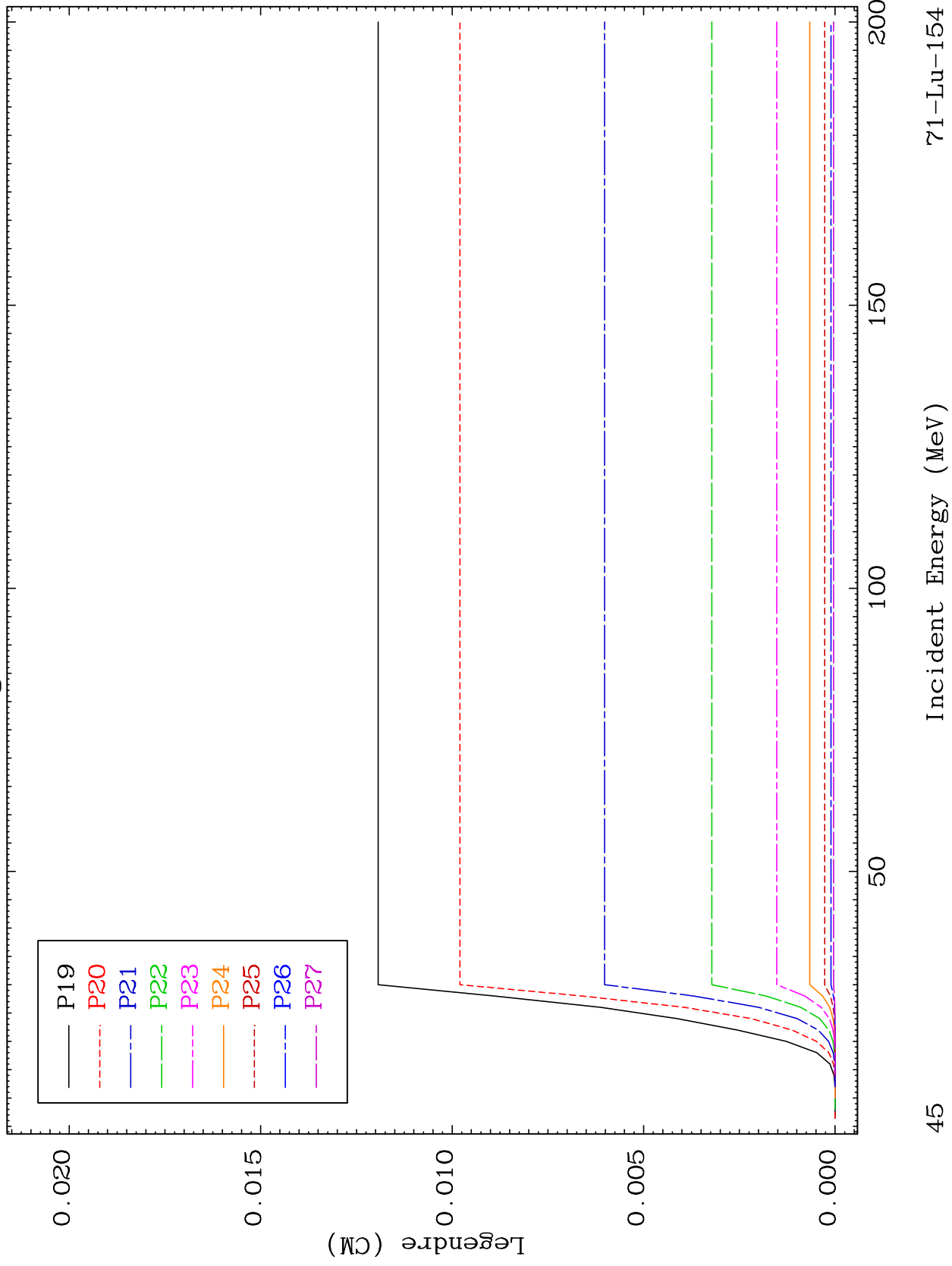
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

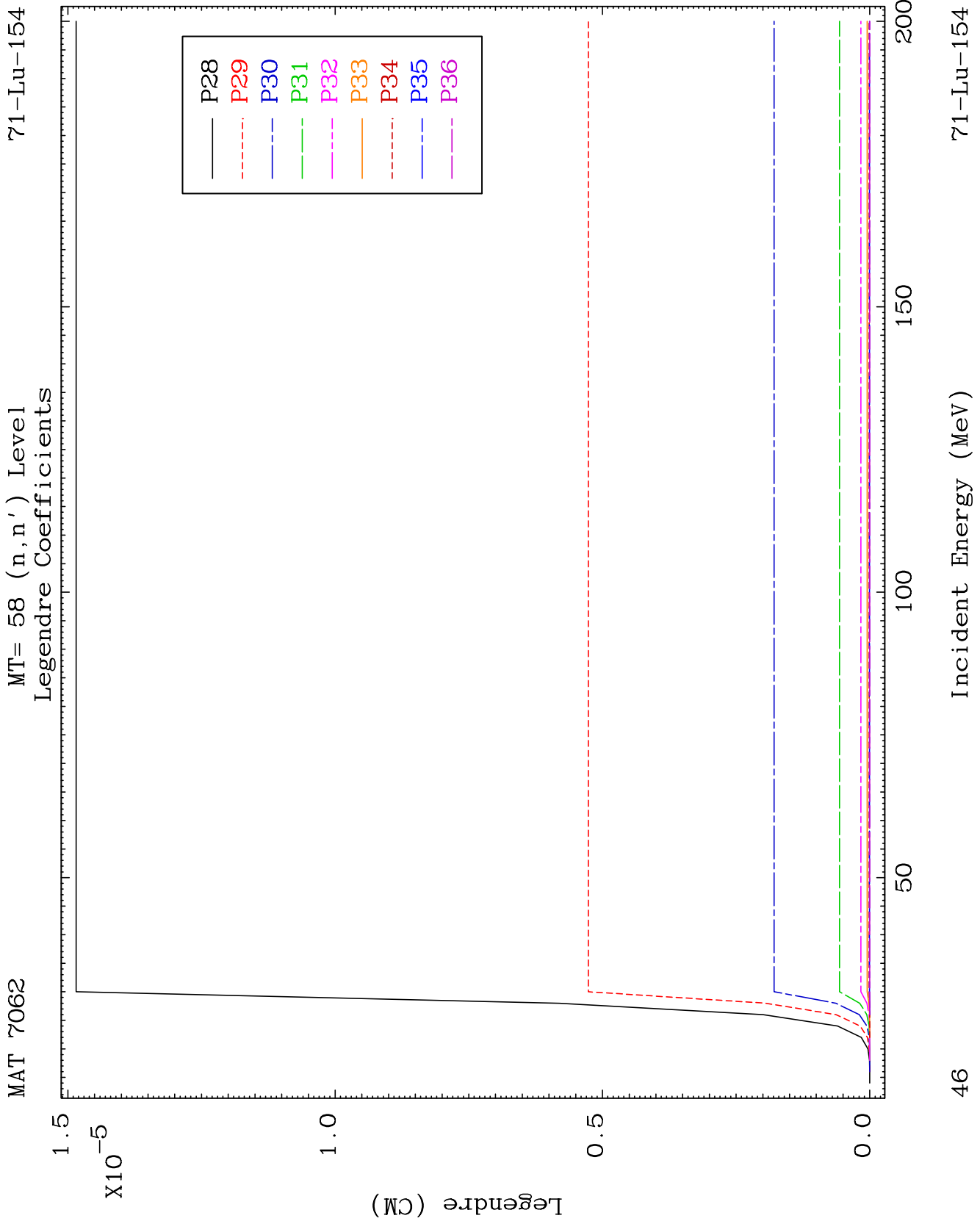
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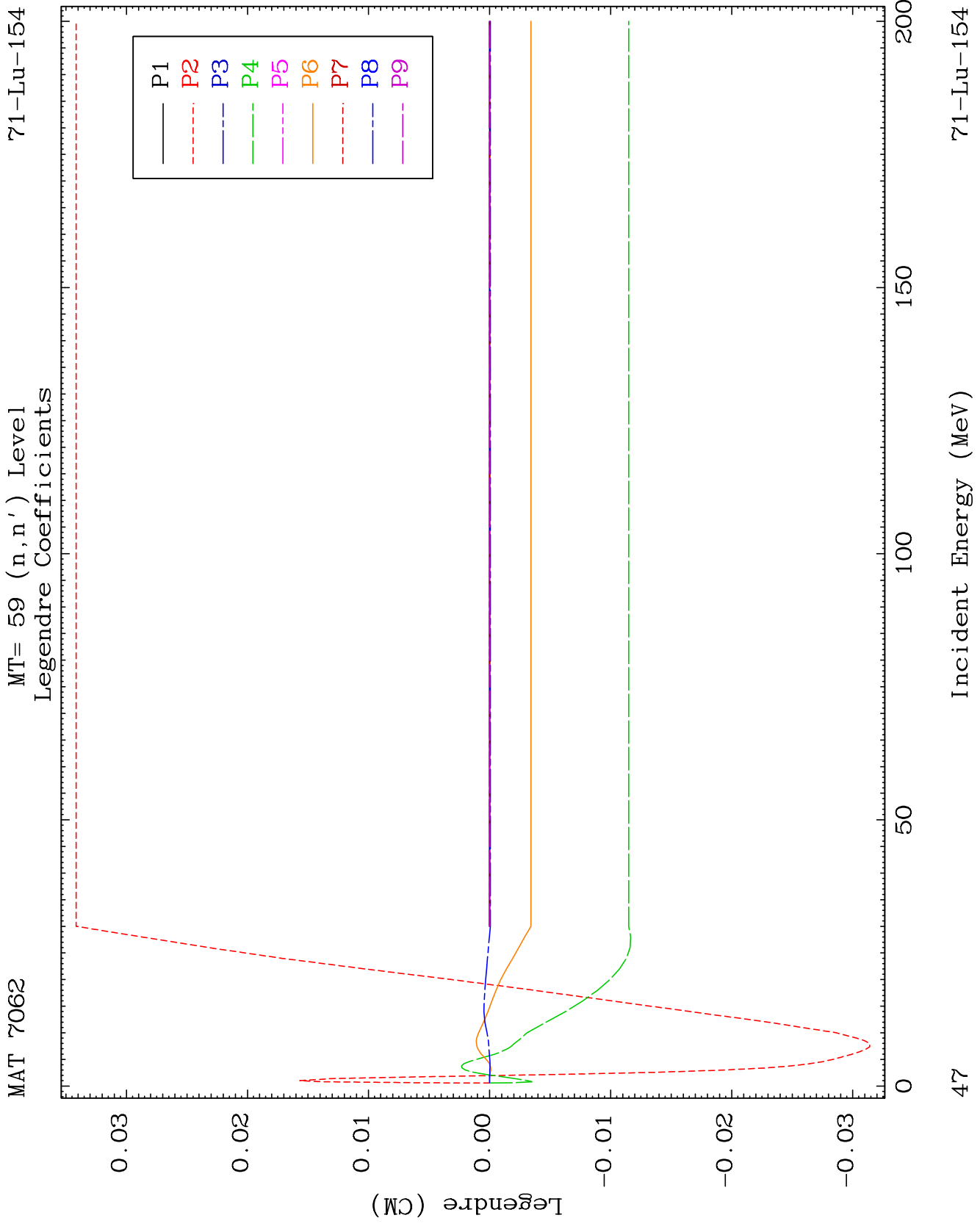


45

Incident Energy (MeV)

71-Lu-154

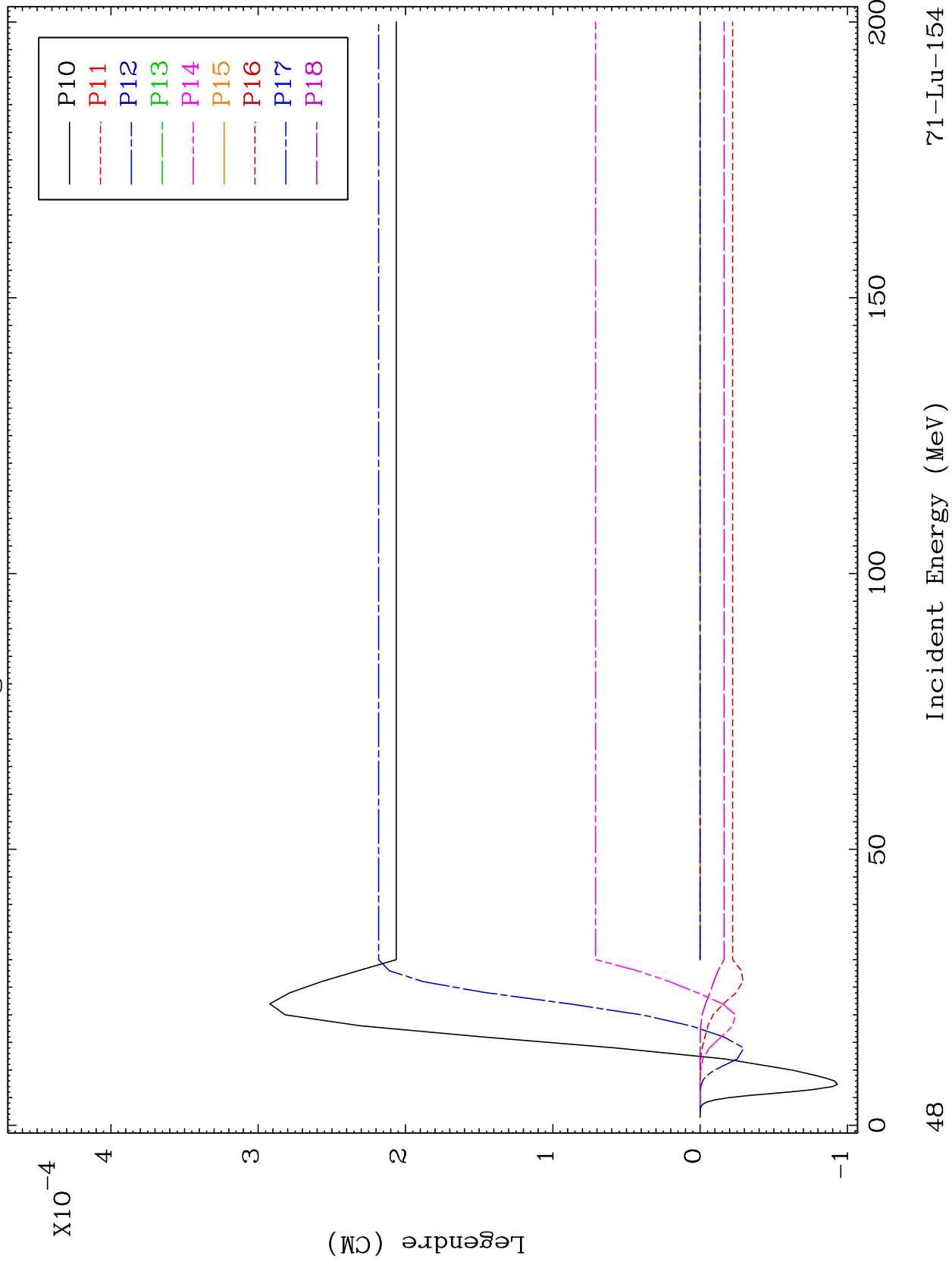




MAT 7062

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

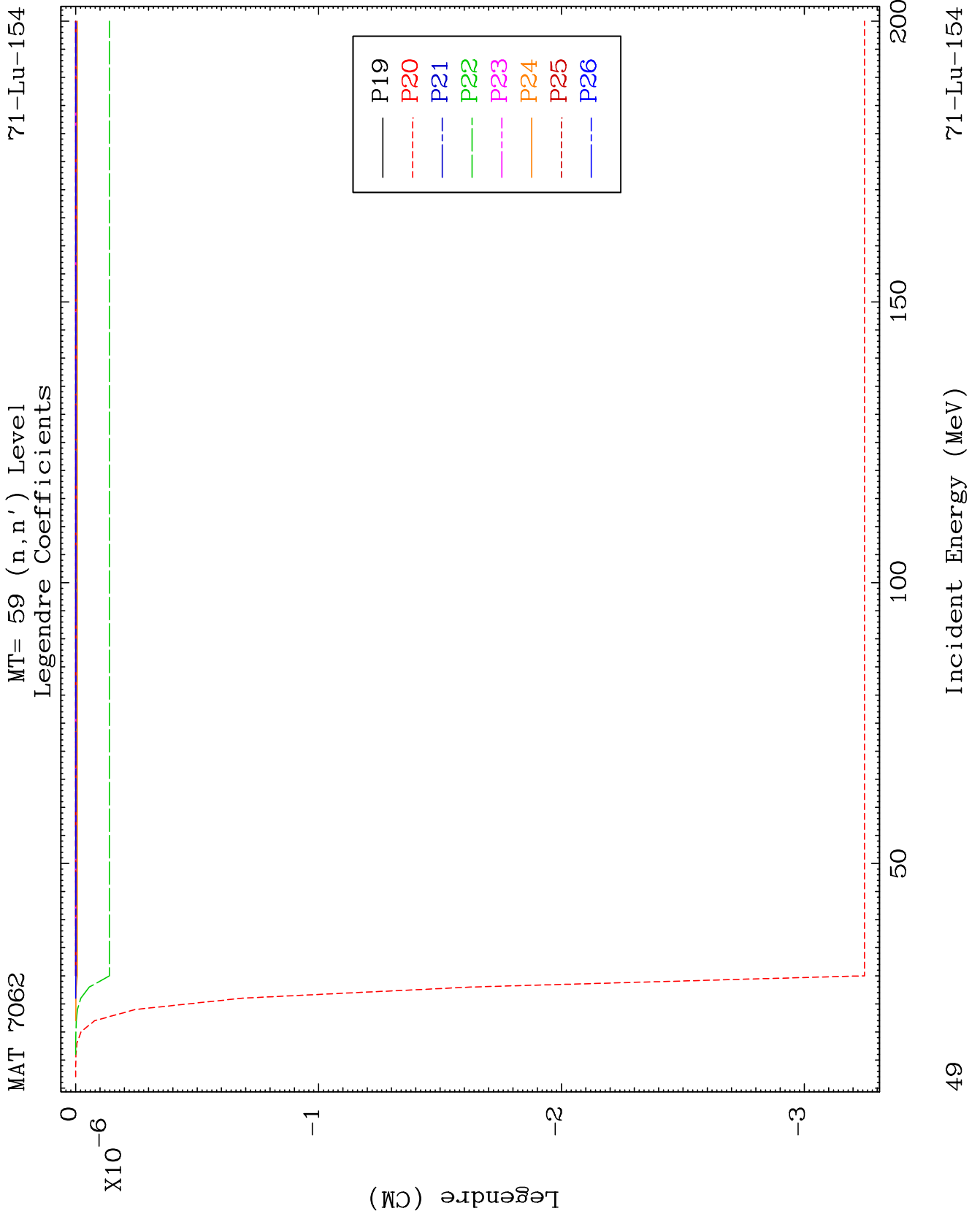
71-Lu-154



71-Lu-154

Incident Energy (MeV)

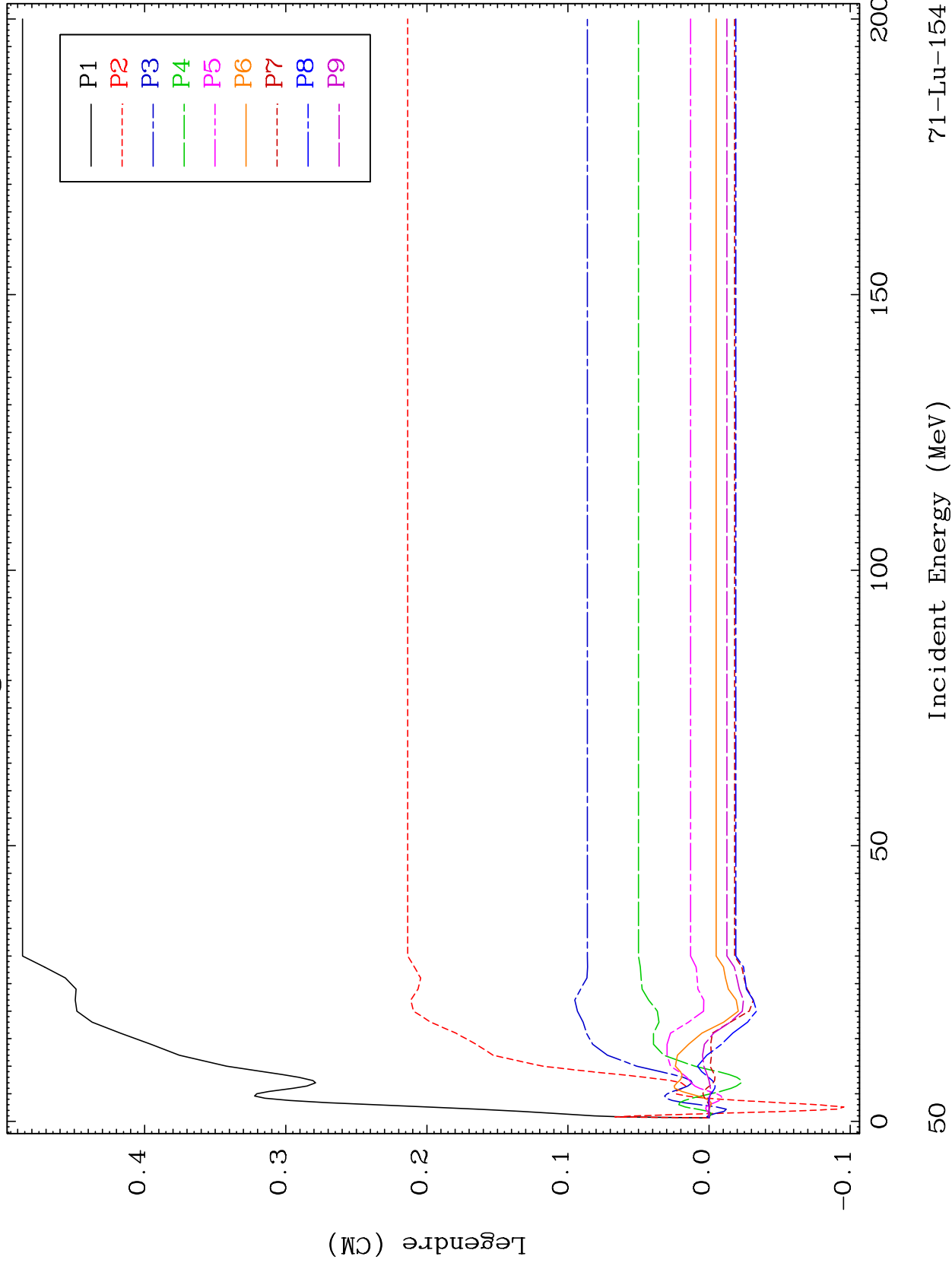
48



MAT 7062

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

71-Lu-154

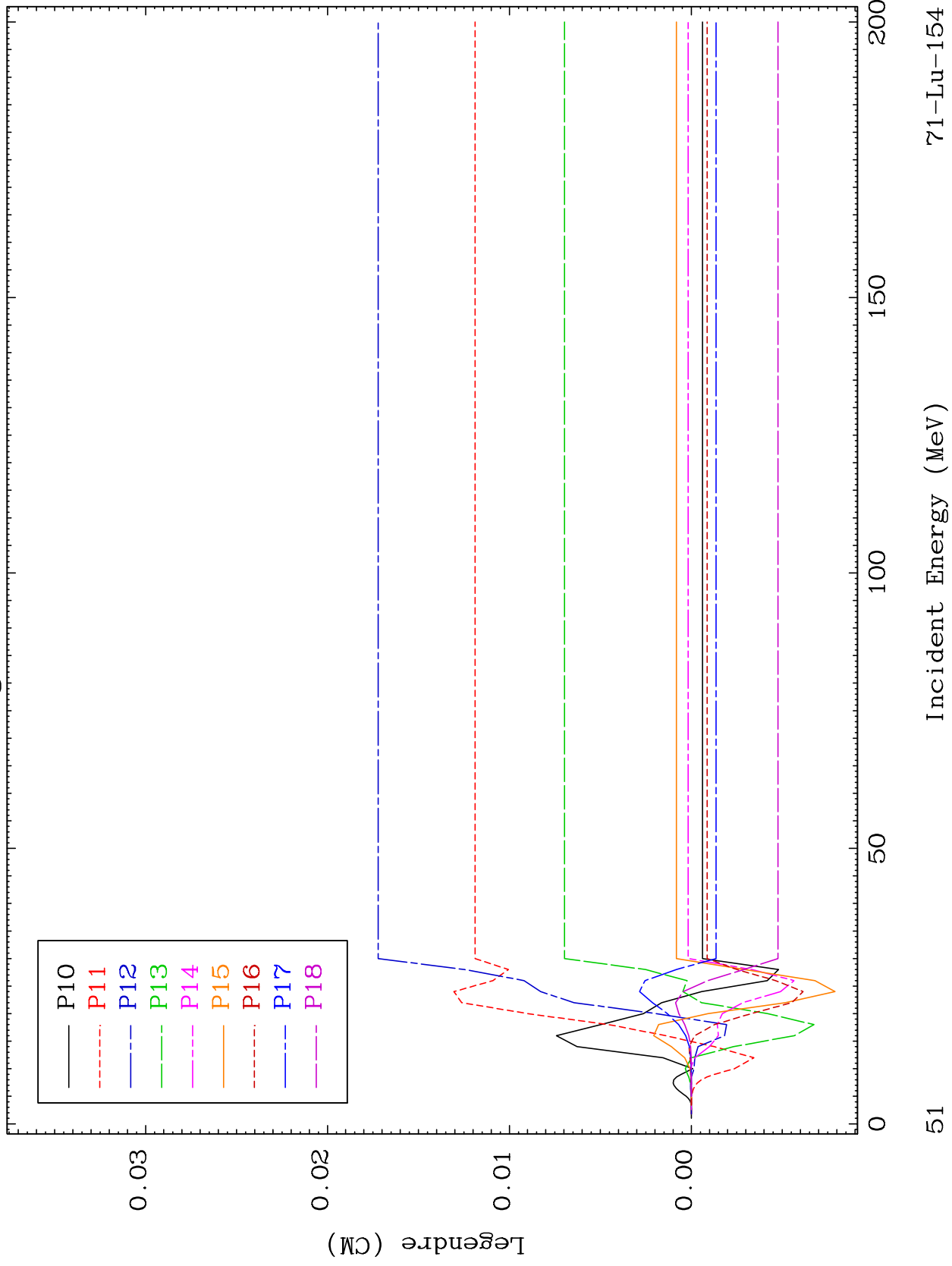


71-Lu-154

MAT 7062

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

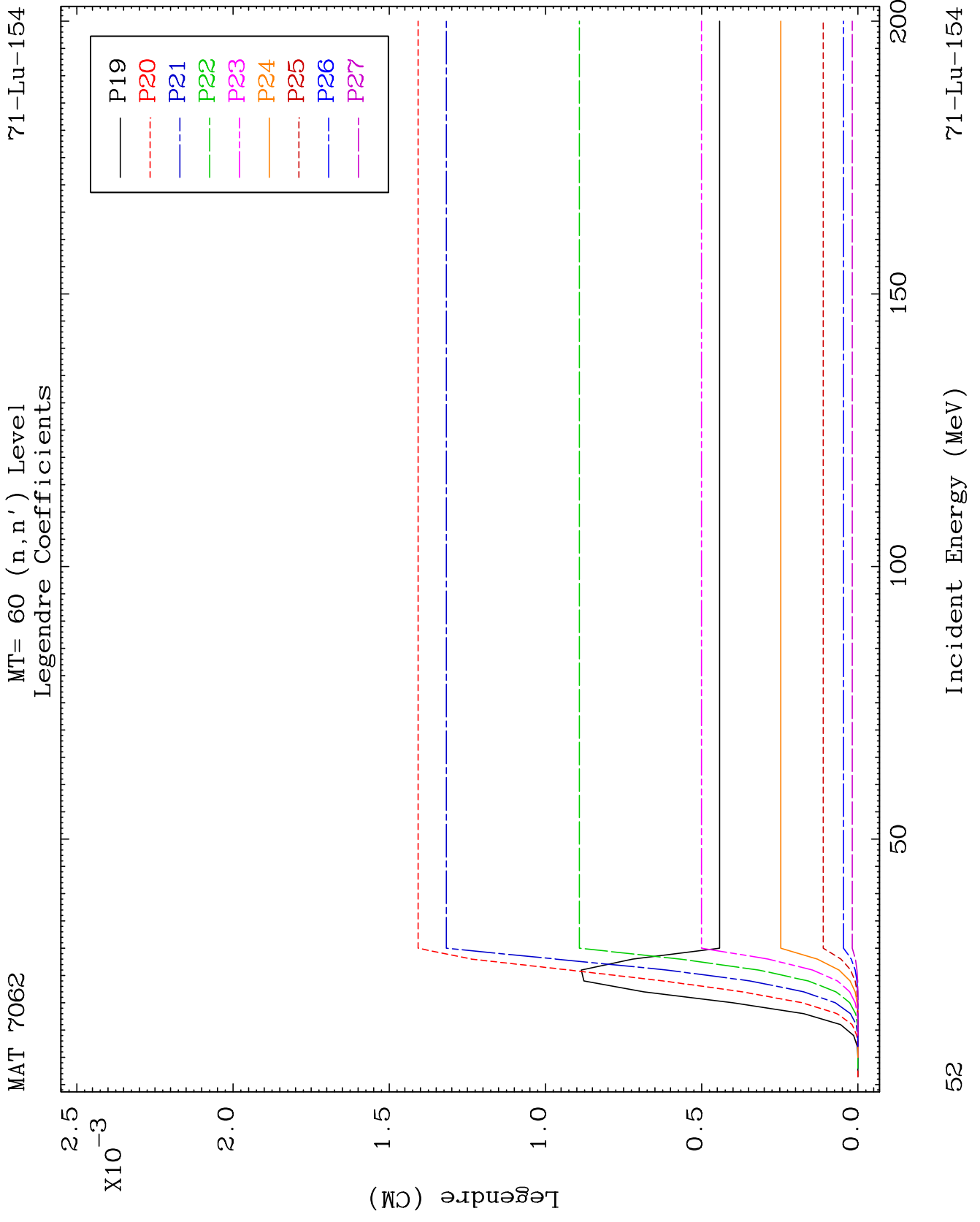
71-Lu-154



51

Incident Energy (MeV)

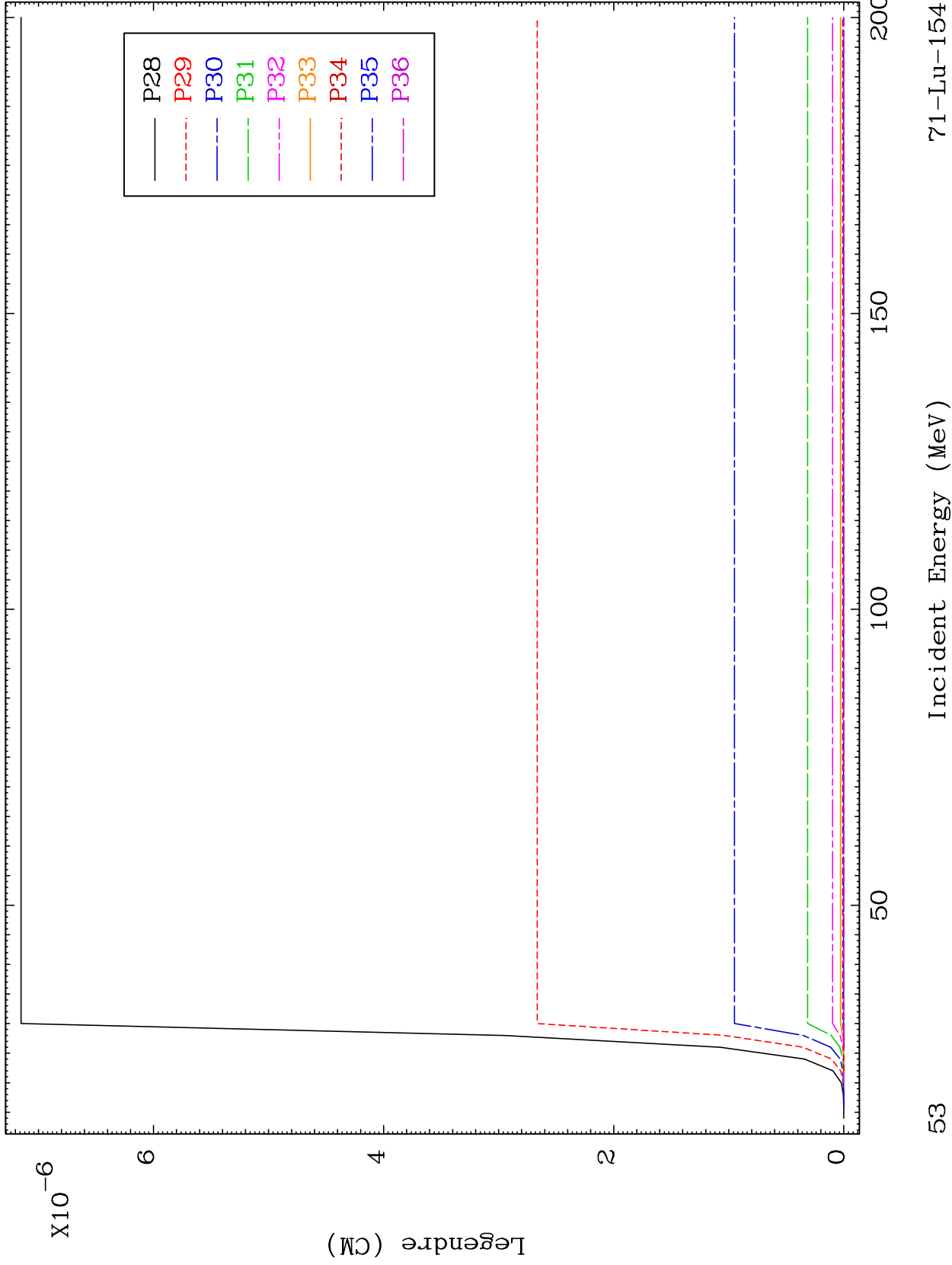
71-Lu-154



MAT 7062

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

71-Lu-154



53

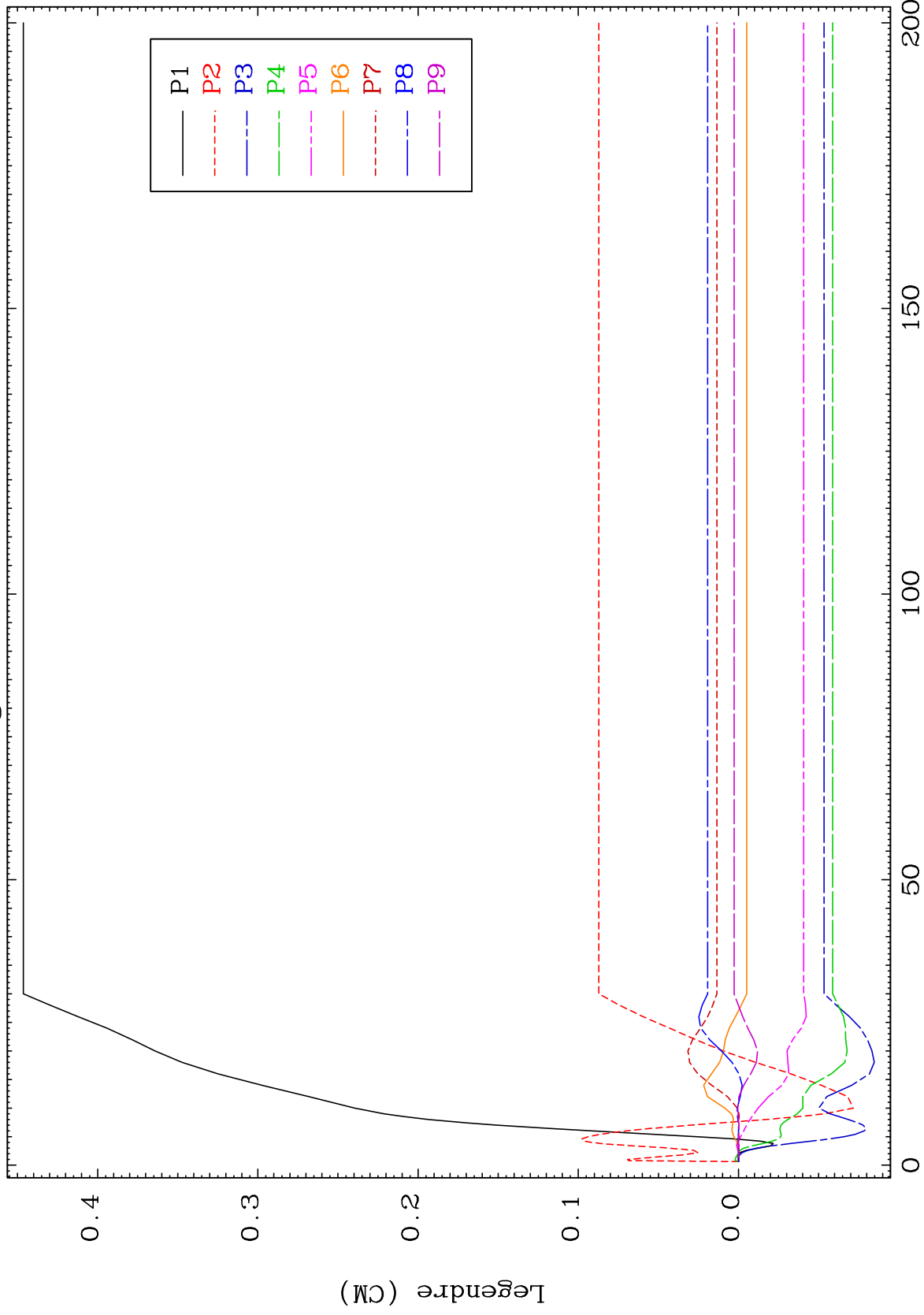
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



54

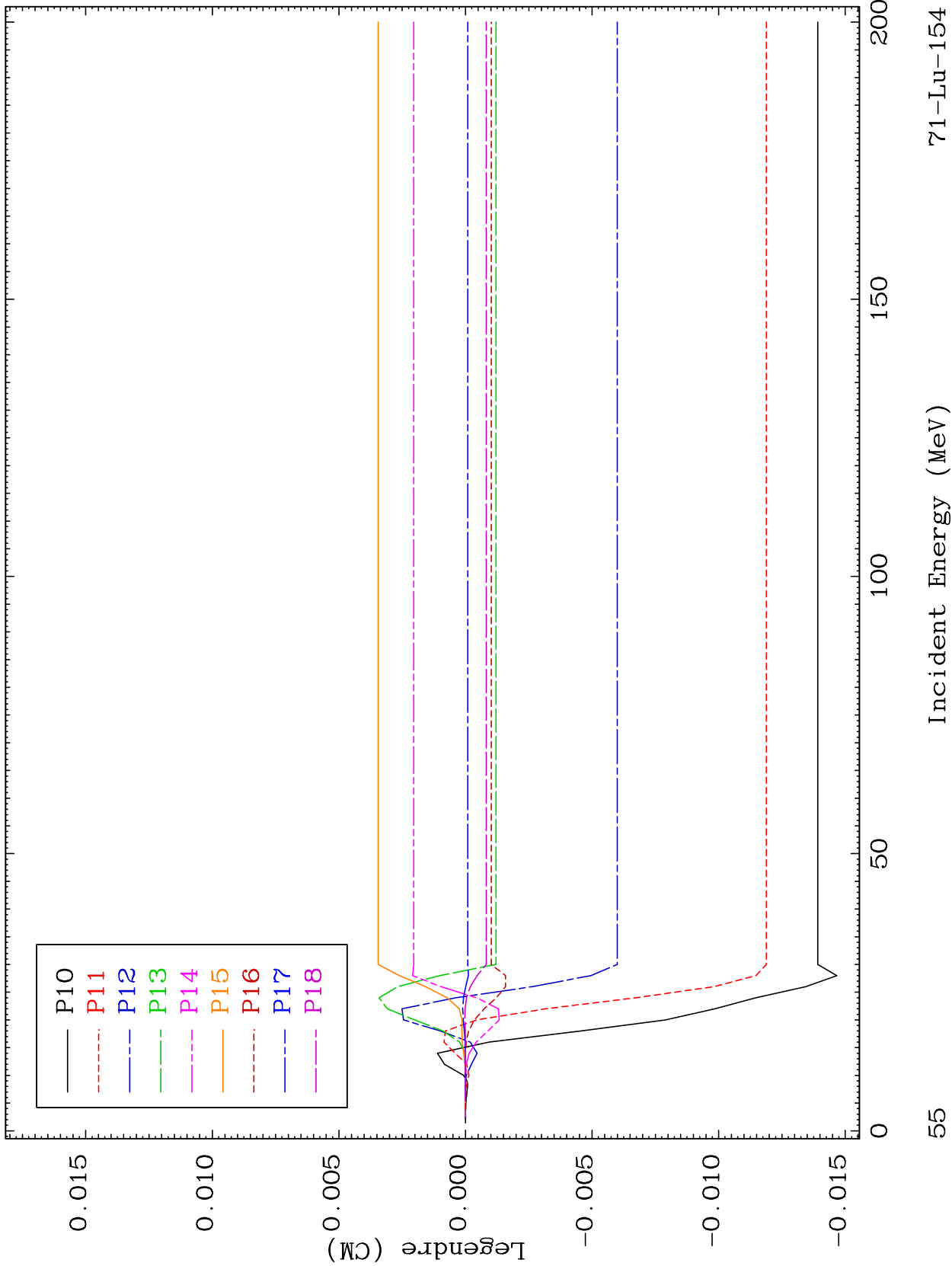
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

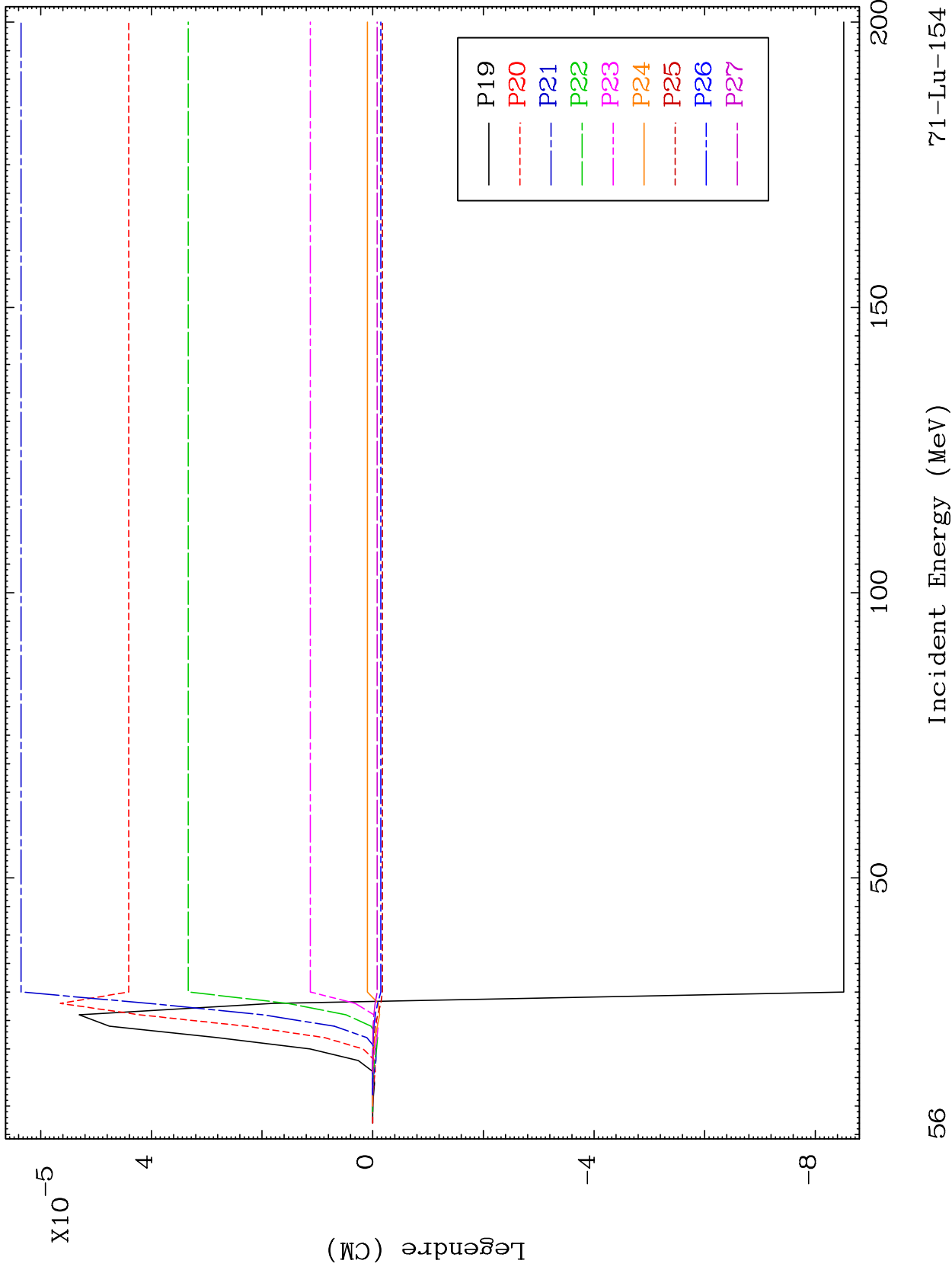
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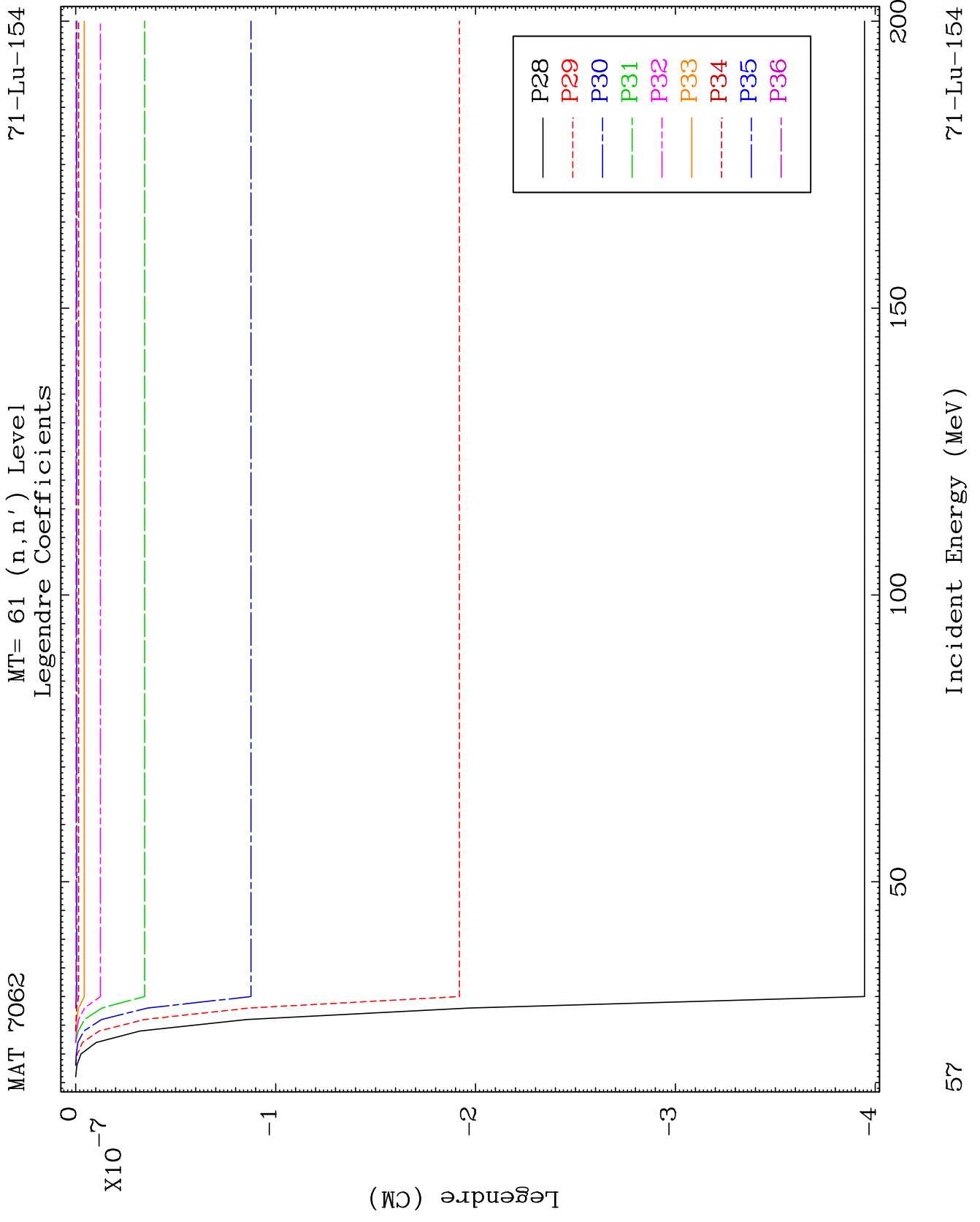


55

Incident Energy (MeV)

71-Lu-154

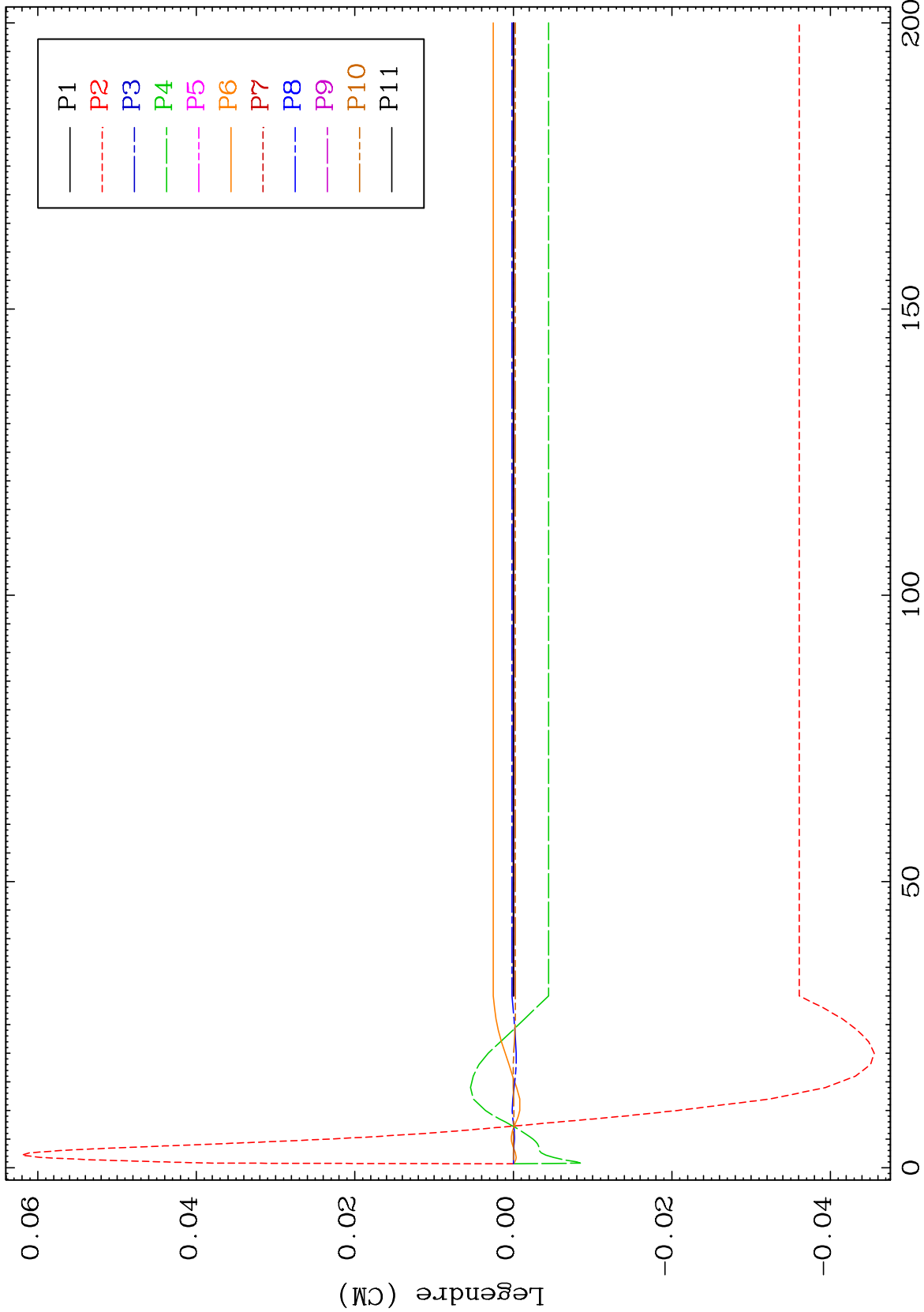




MAT 7062

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

71-Lu-154



58

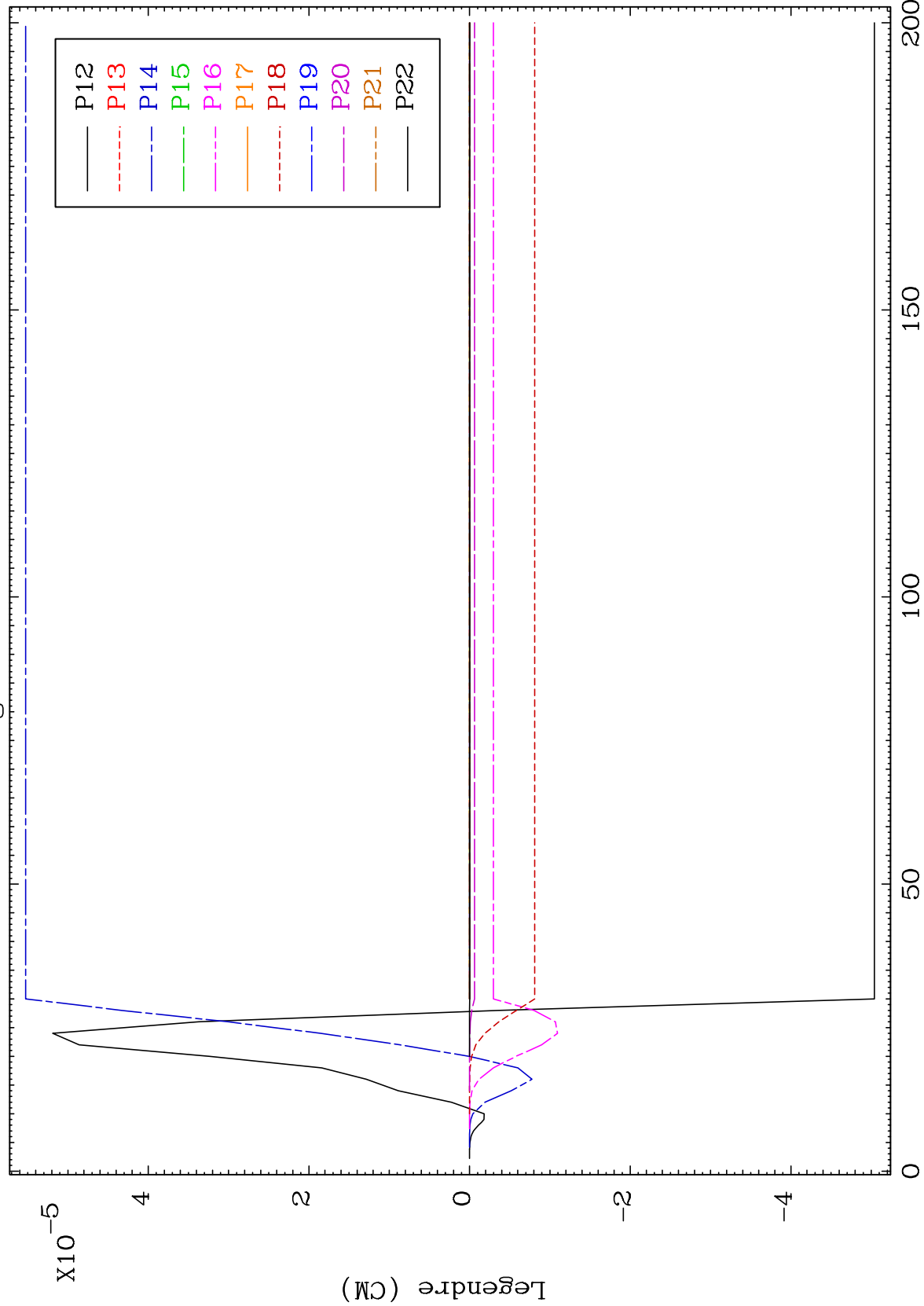
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

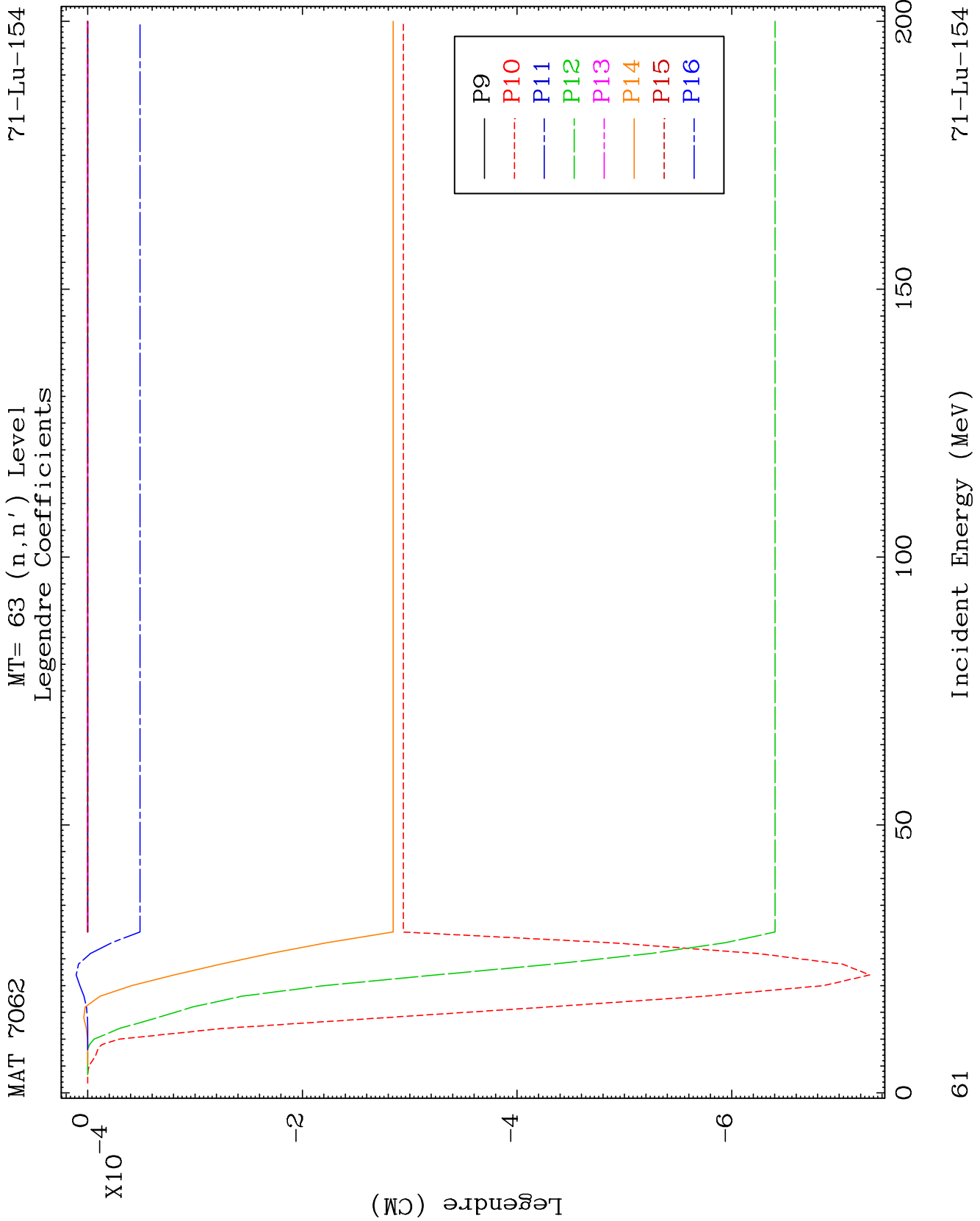
71-Lu-154



59

Incident Energy (MeV)

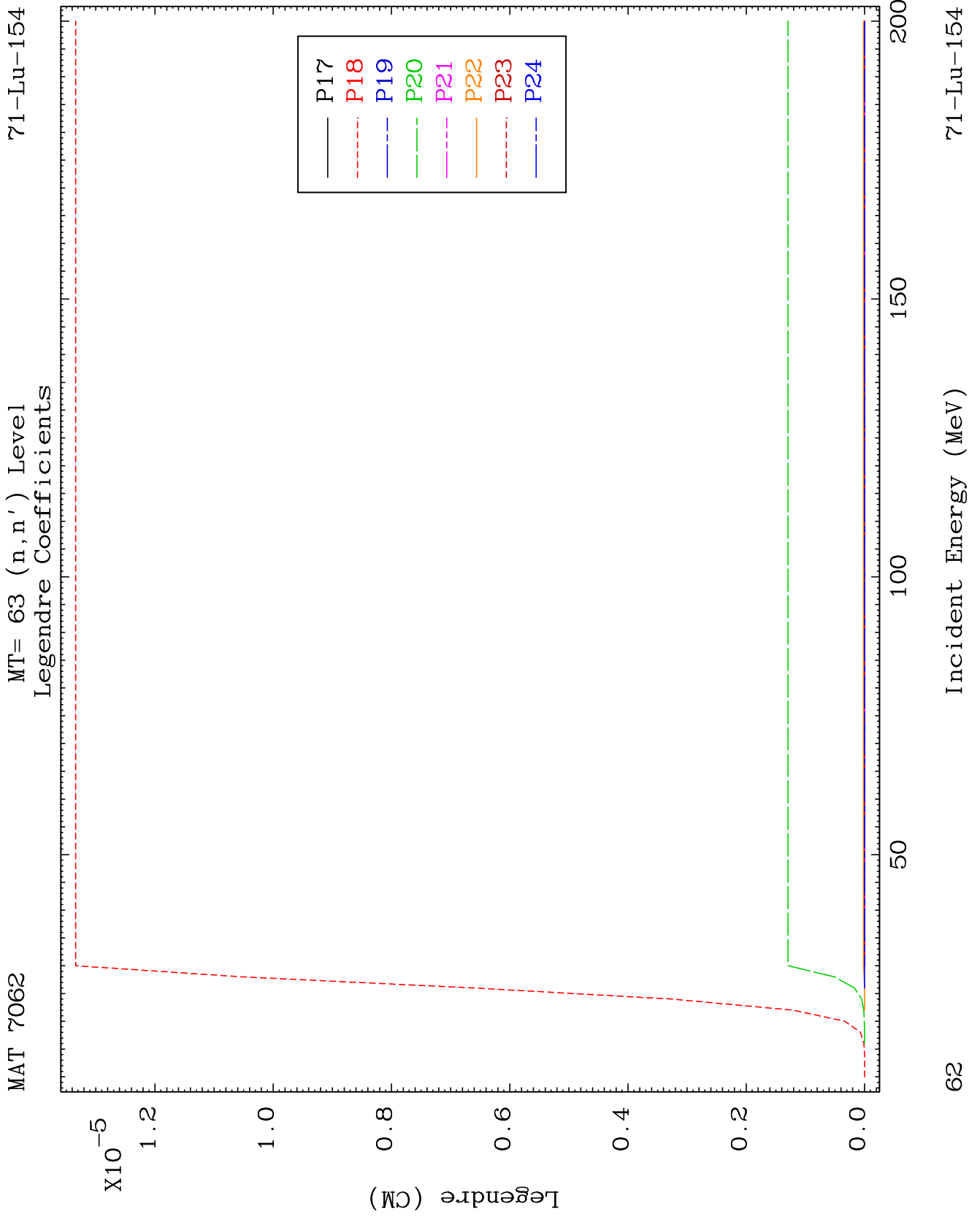
71-Lu-154



71-Lu-154

Incident Energy (MeV)

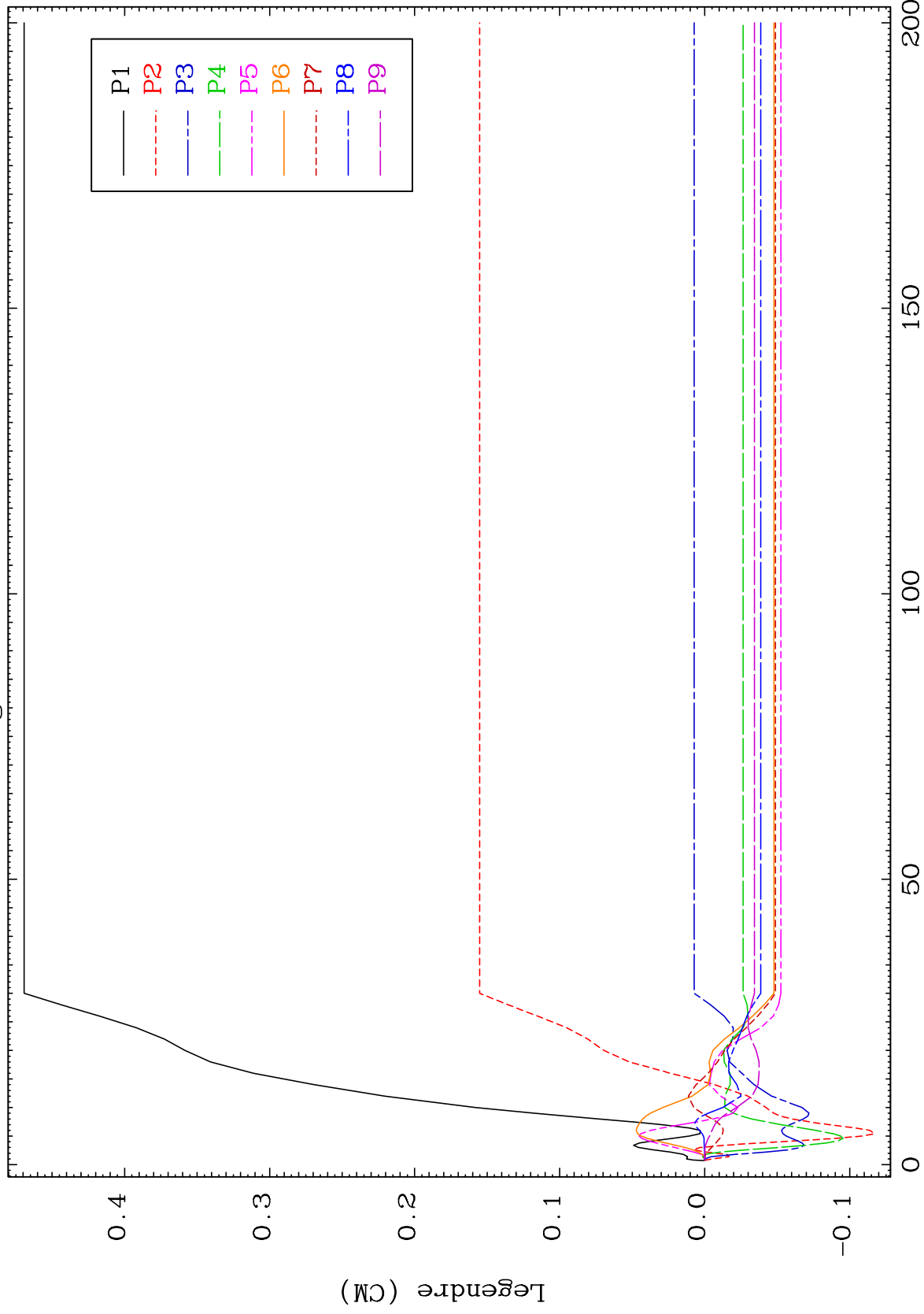
61



MAT 7062

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

71-Lu-154



63

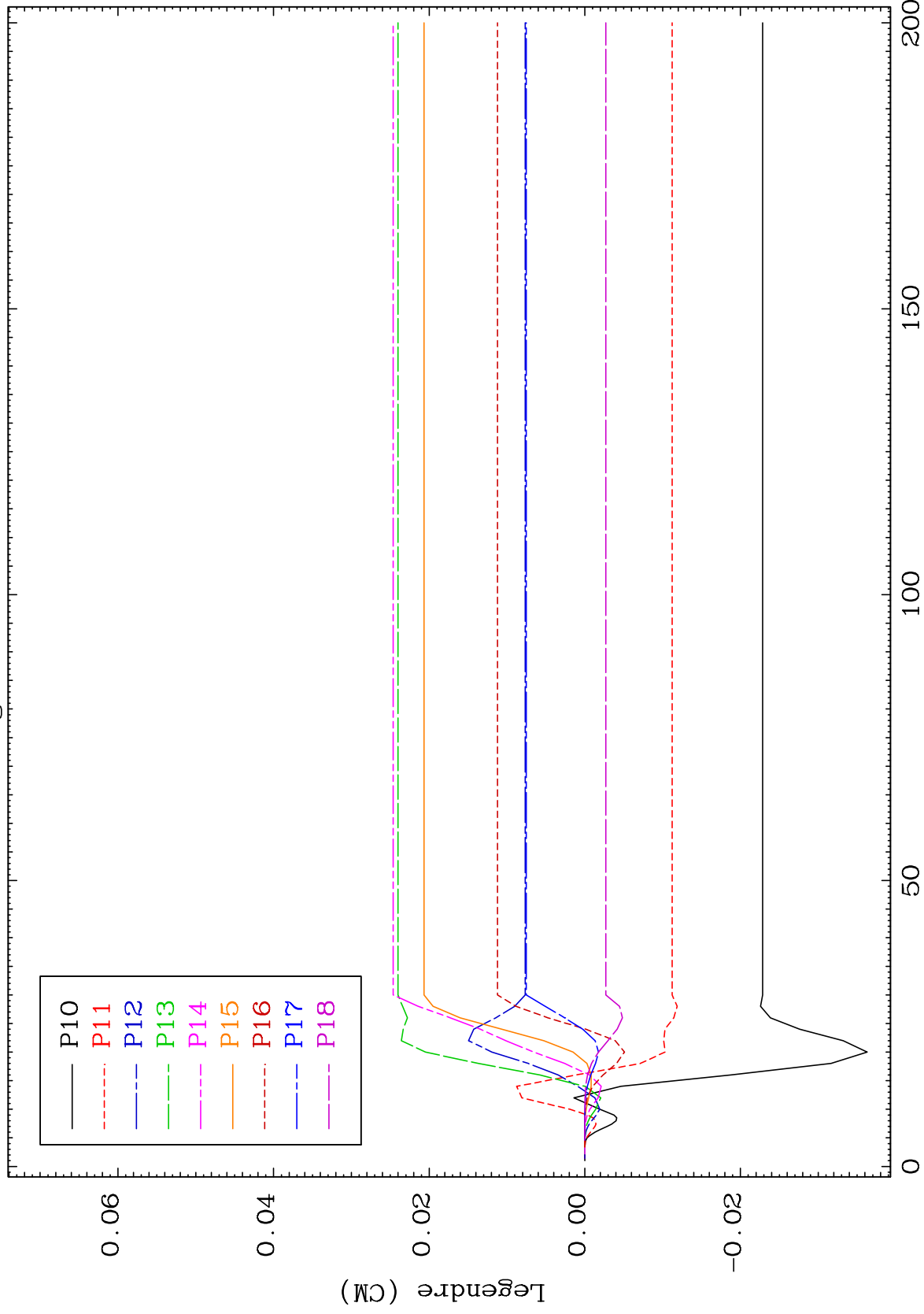
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



64

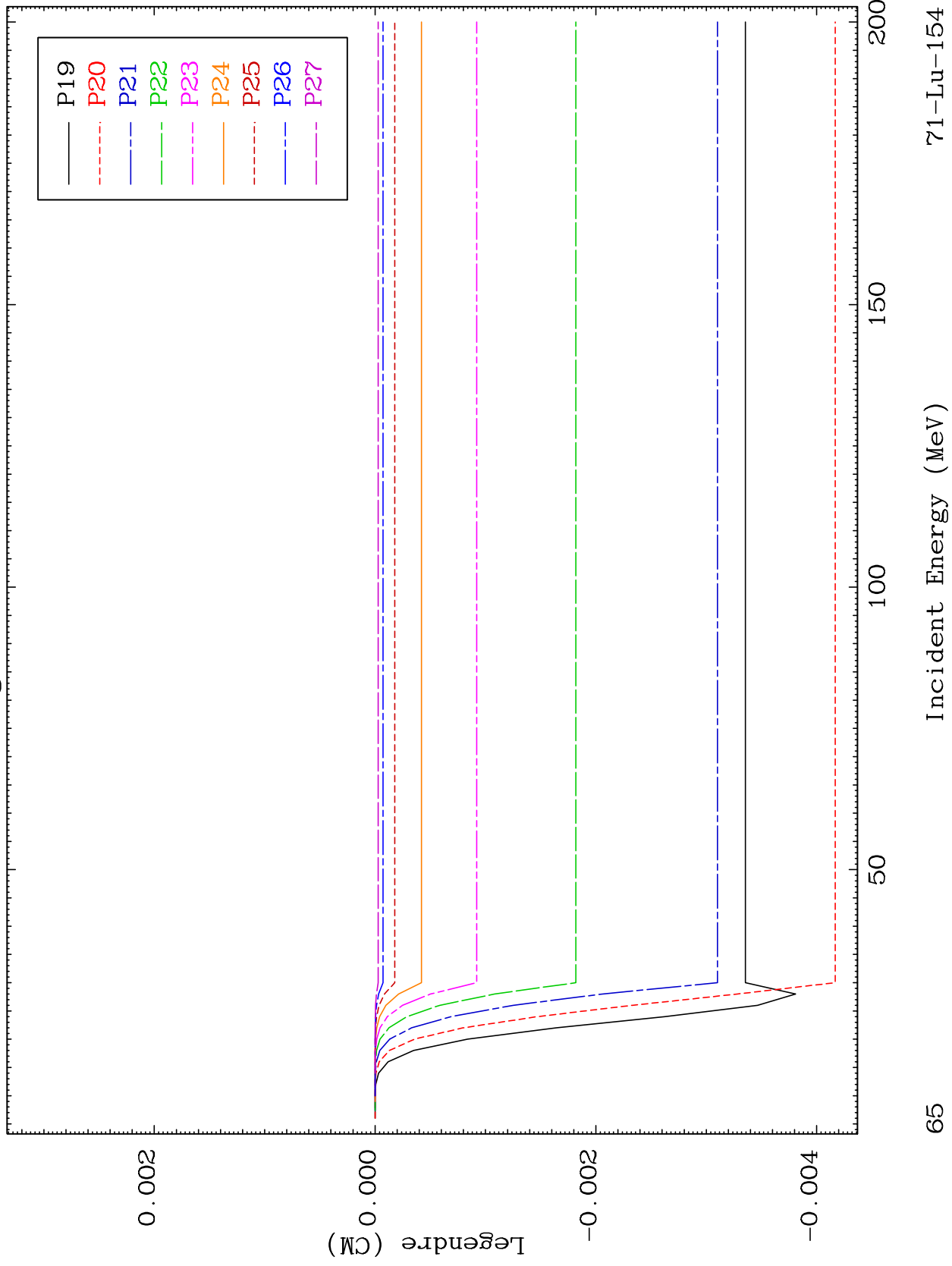
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

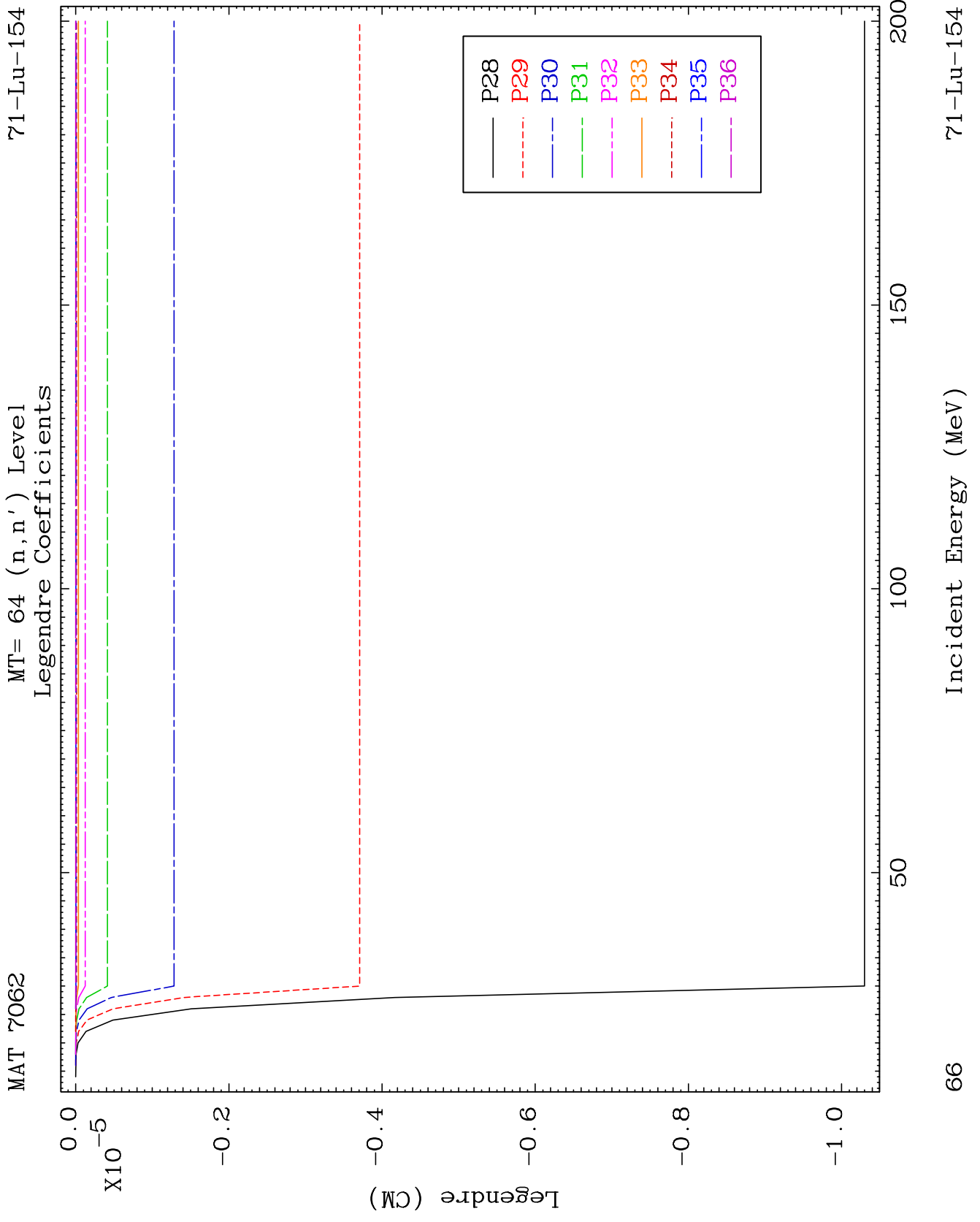
71-Lu-154



65

Incident Energy (MeV)

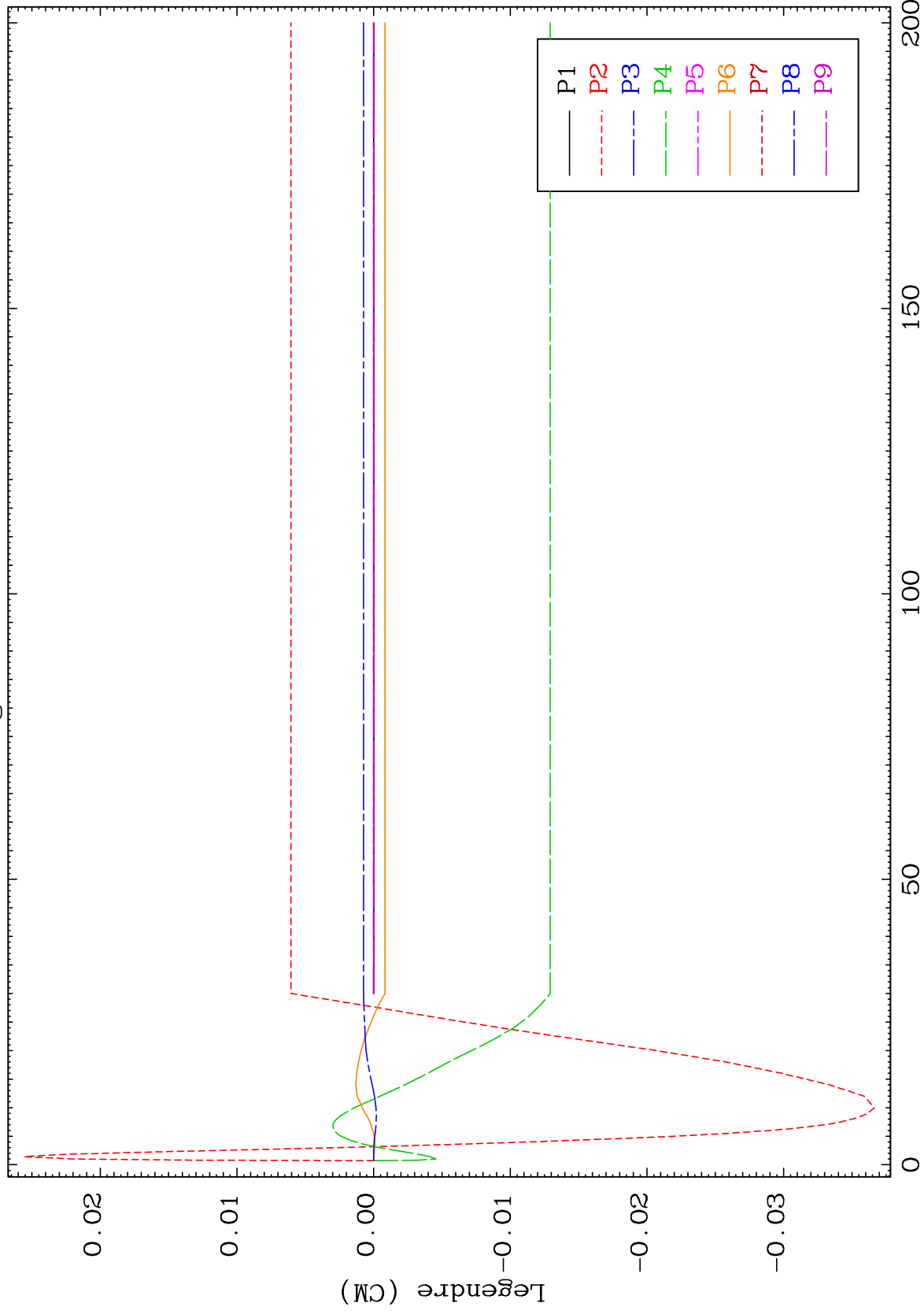
71-Lu-154



MAT 7062

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

71-Lu-154



67

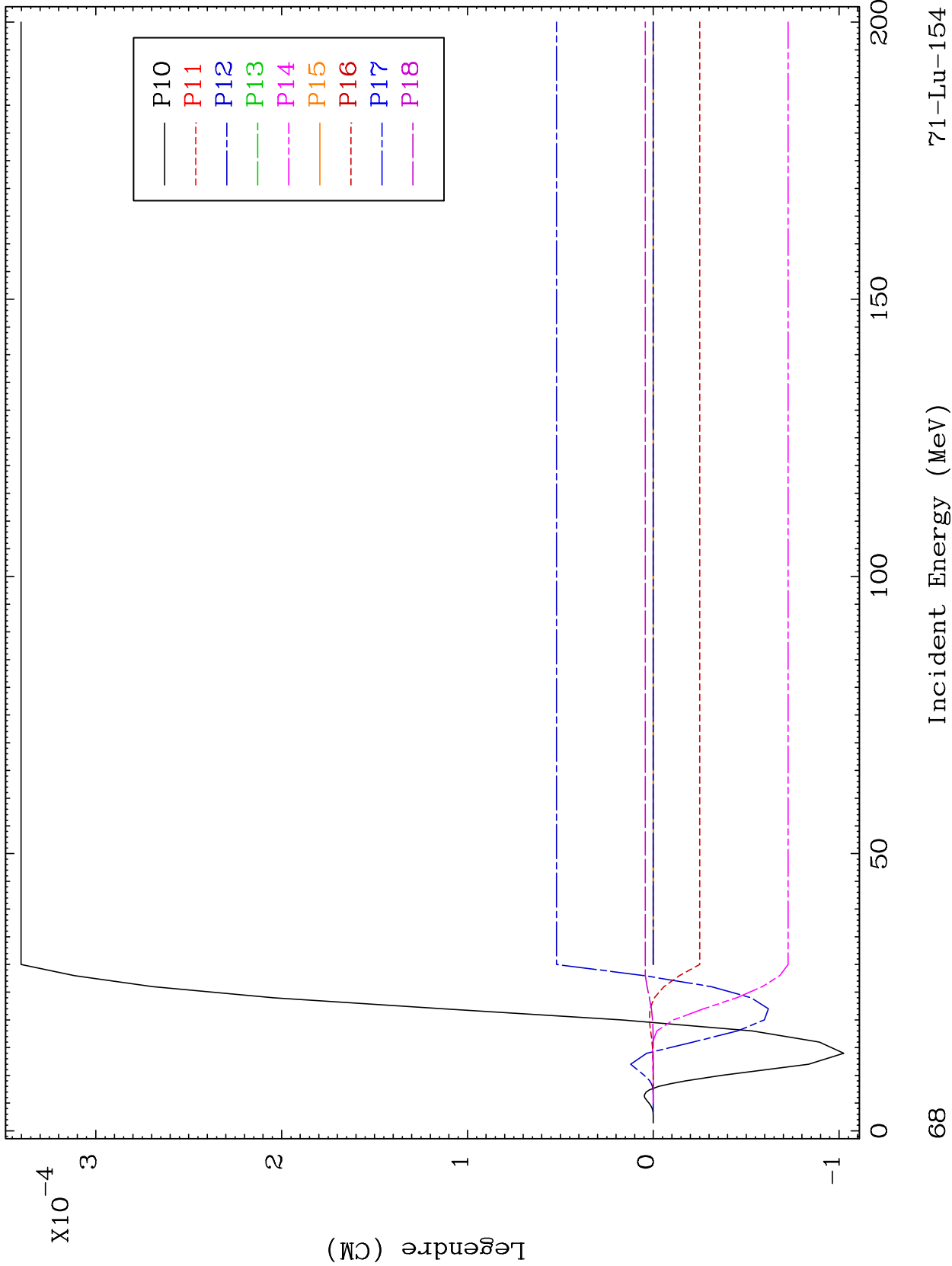
Incident Energy (MeV)

71-Lu-154

MAT 7062

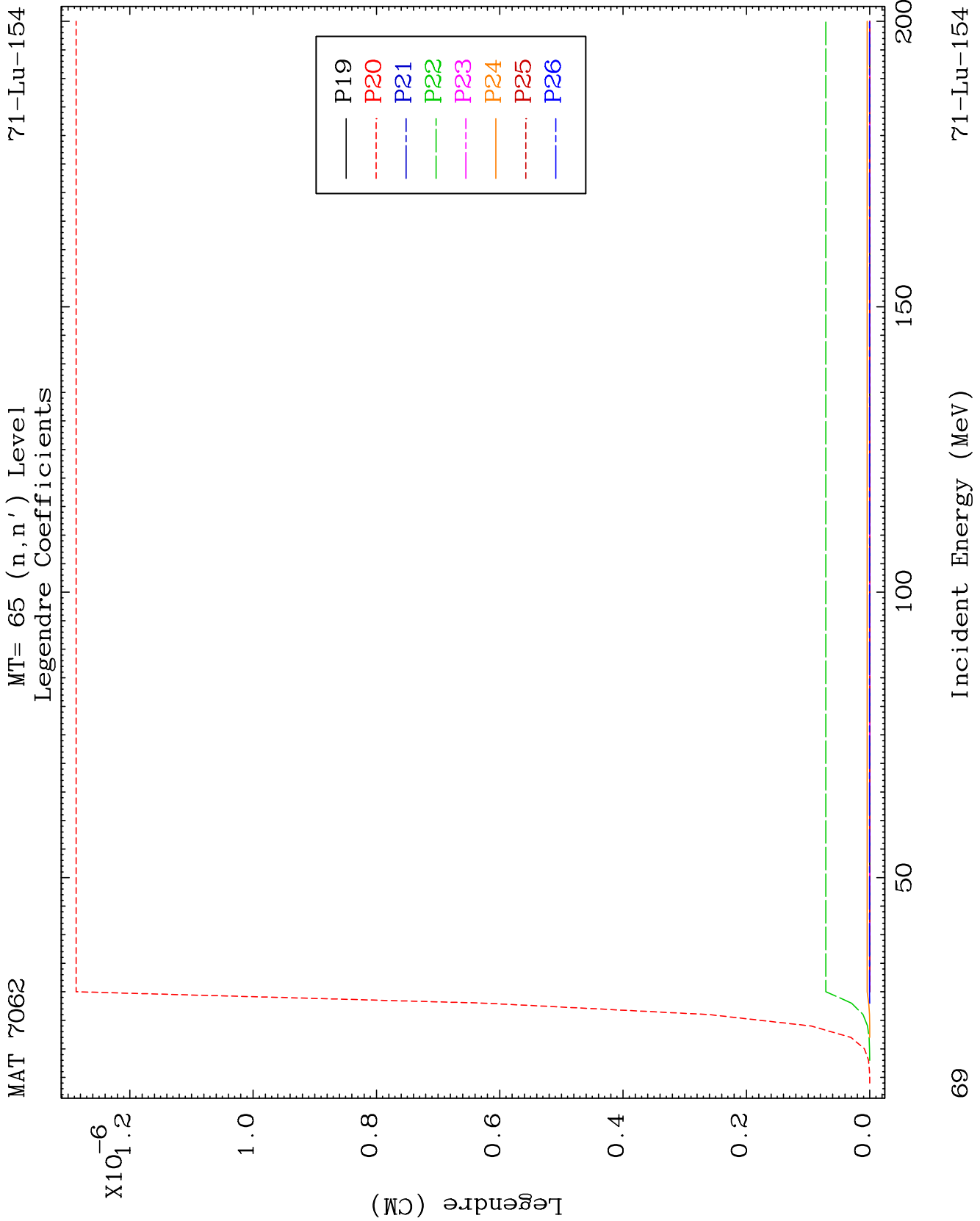
MT= 65 (n,n') Level
Legendre Coefficients

71-Lu-154



68

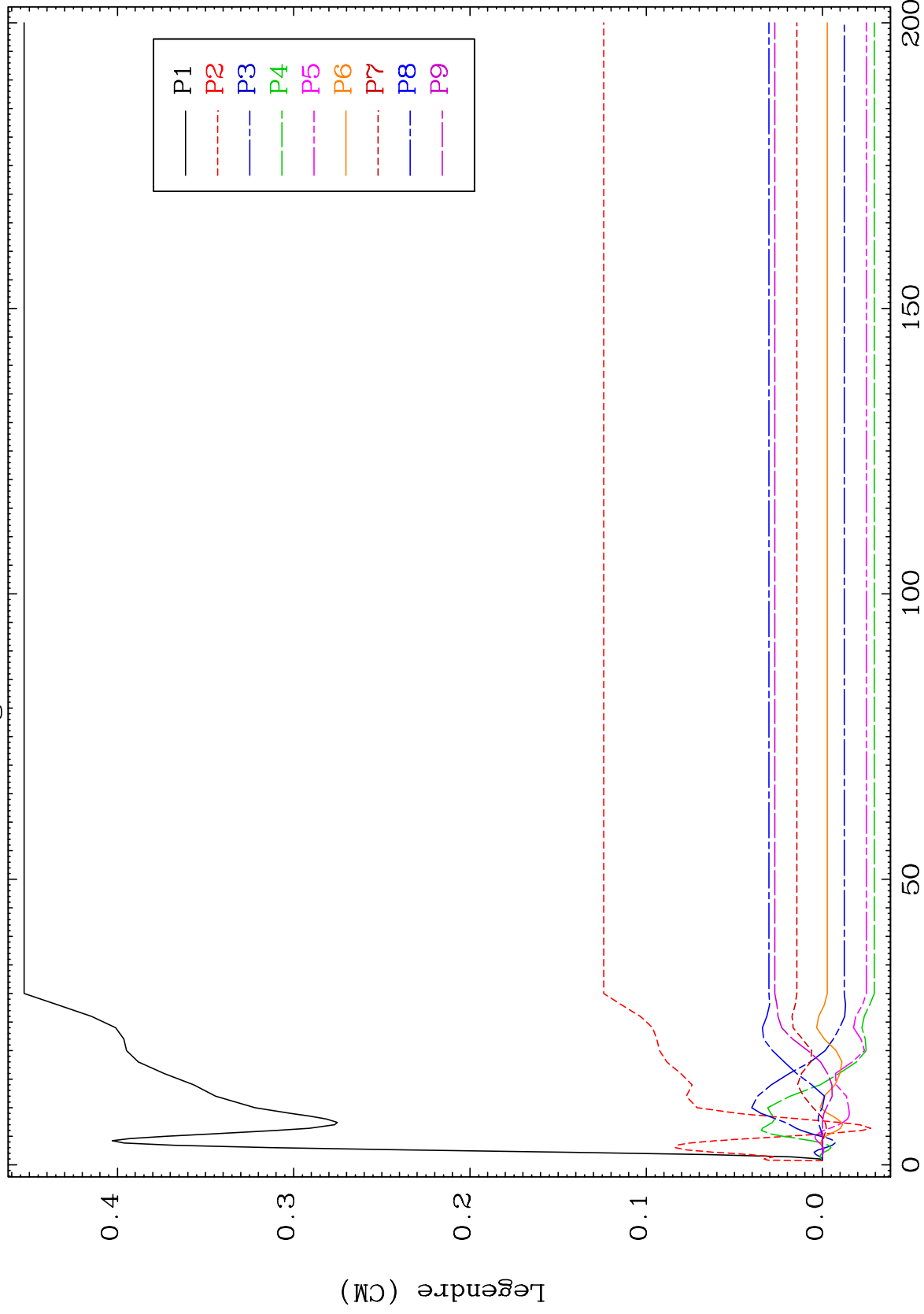
71-Lu-154



MAT 7062

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

71-Lu-154



70

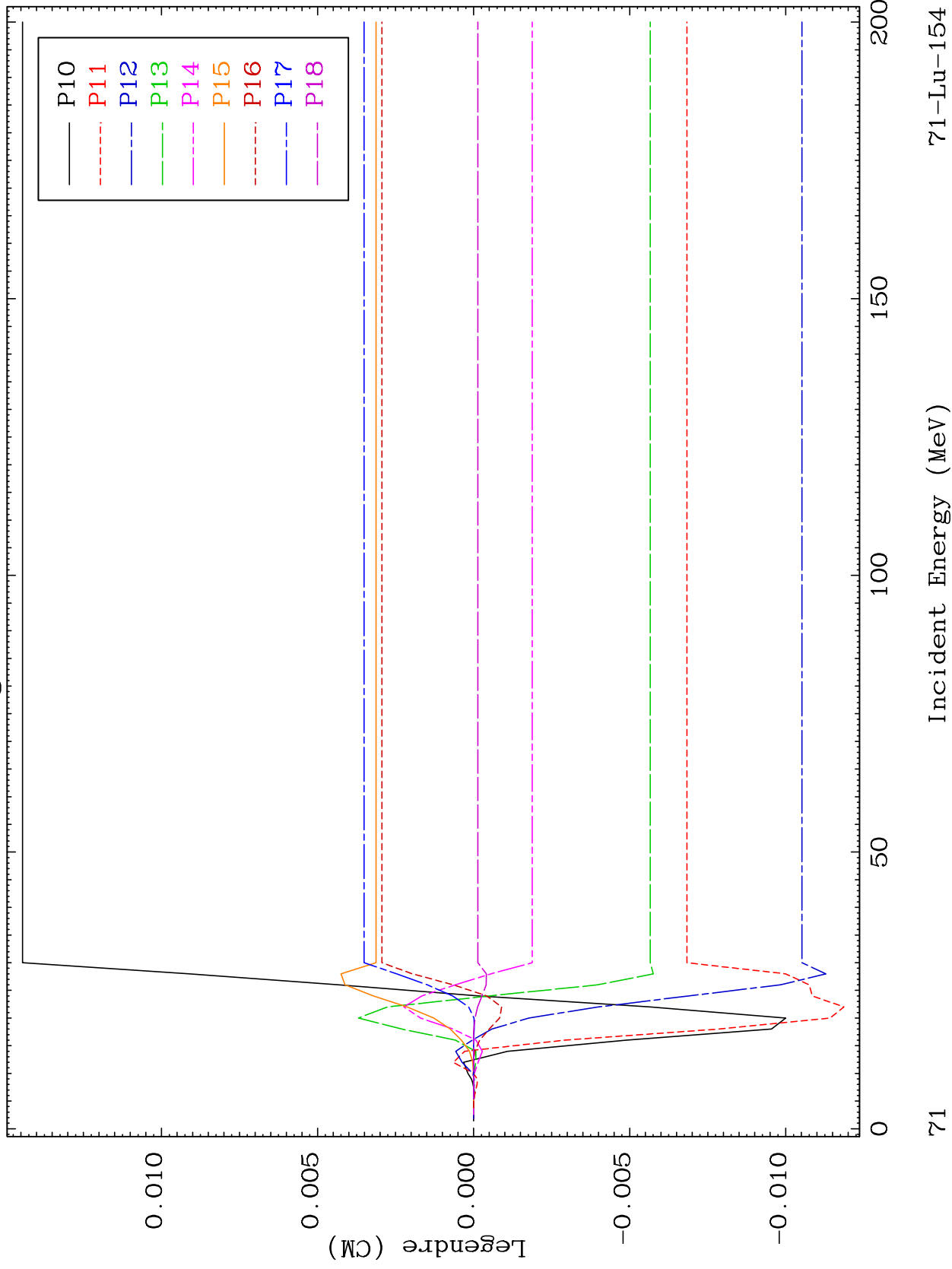
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



71

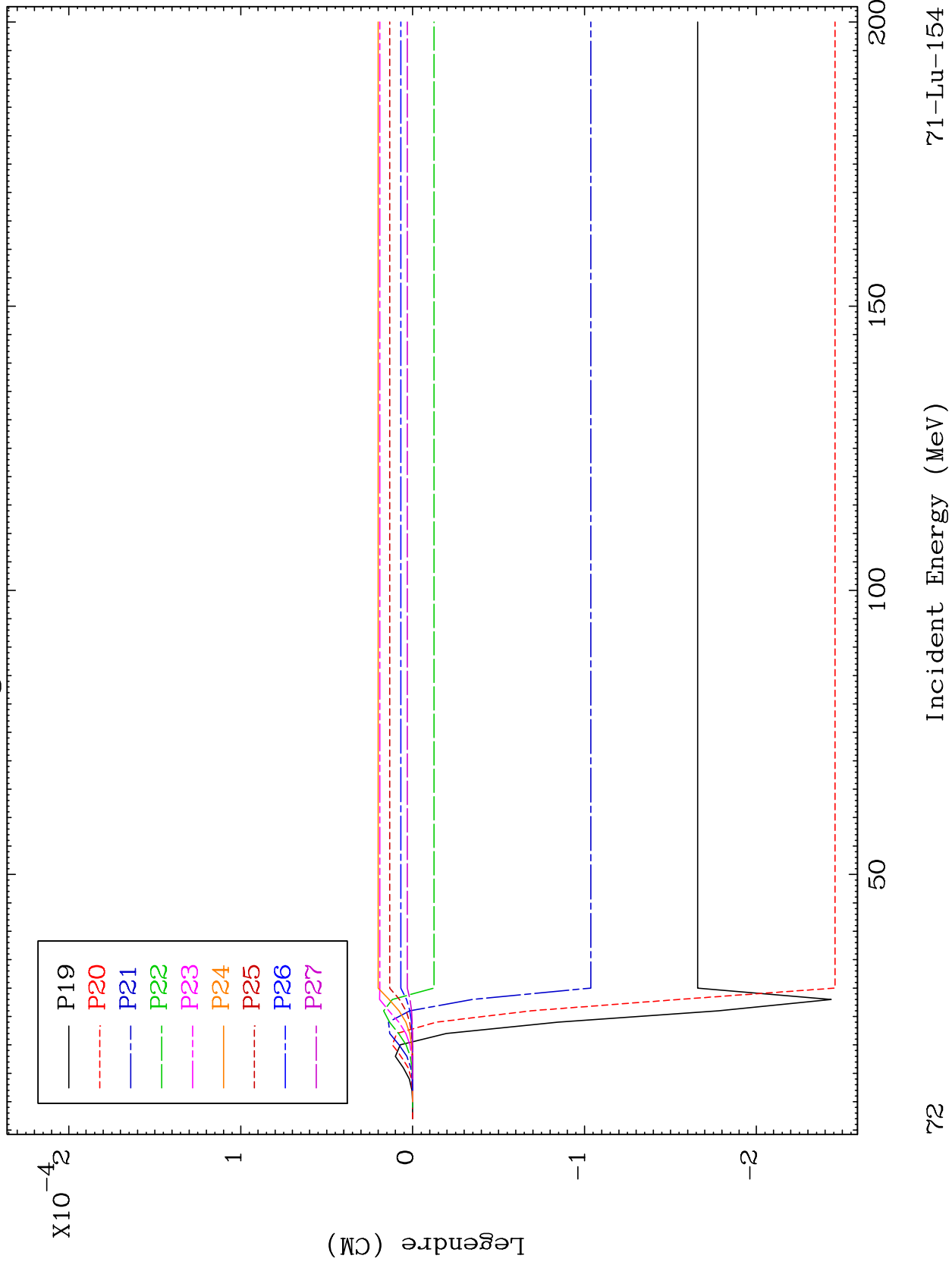
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



72

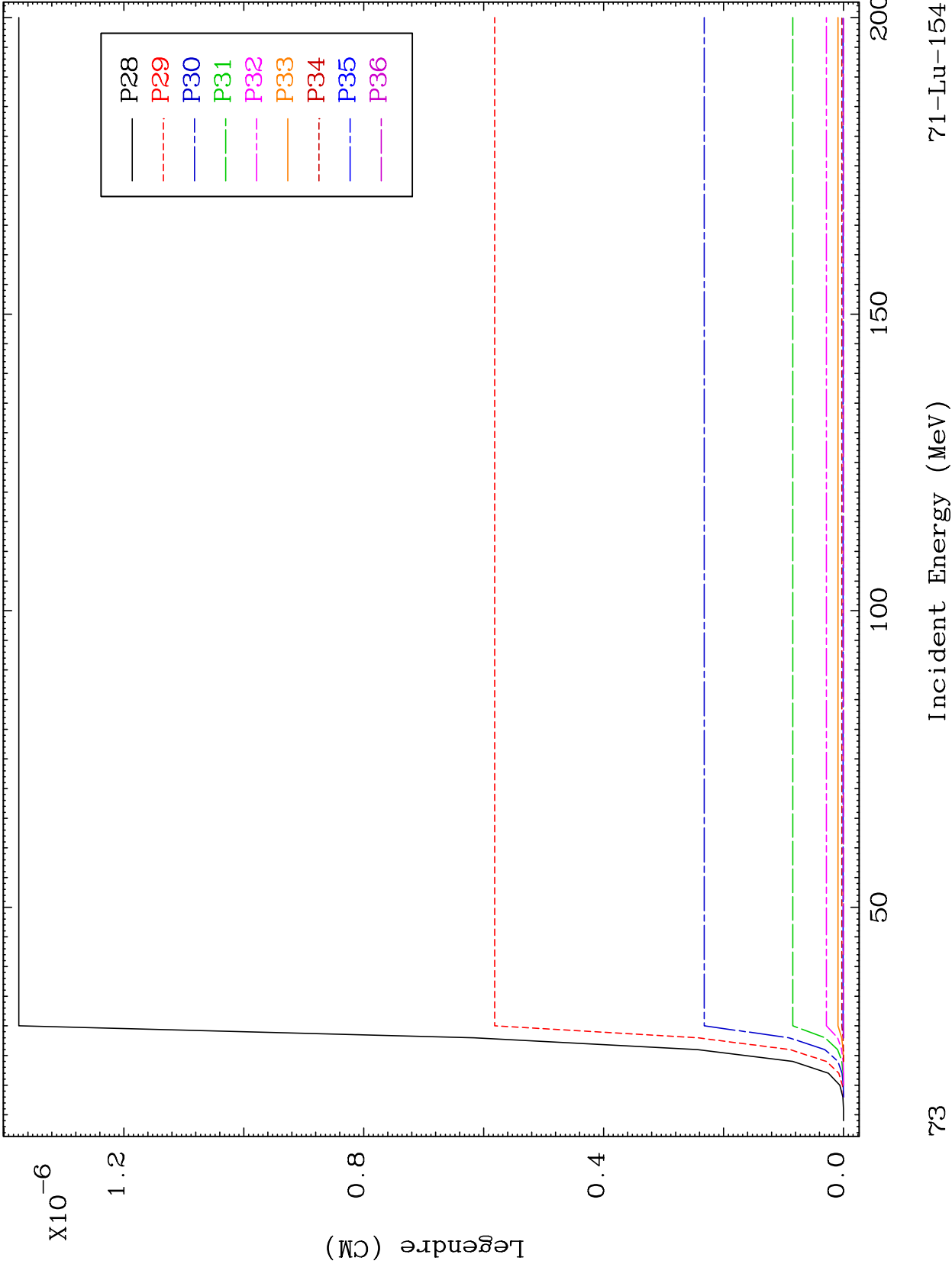
Incident Energy (MeV)

71-Lu-154

MAT 7062

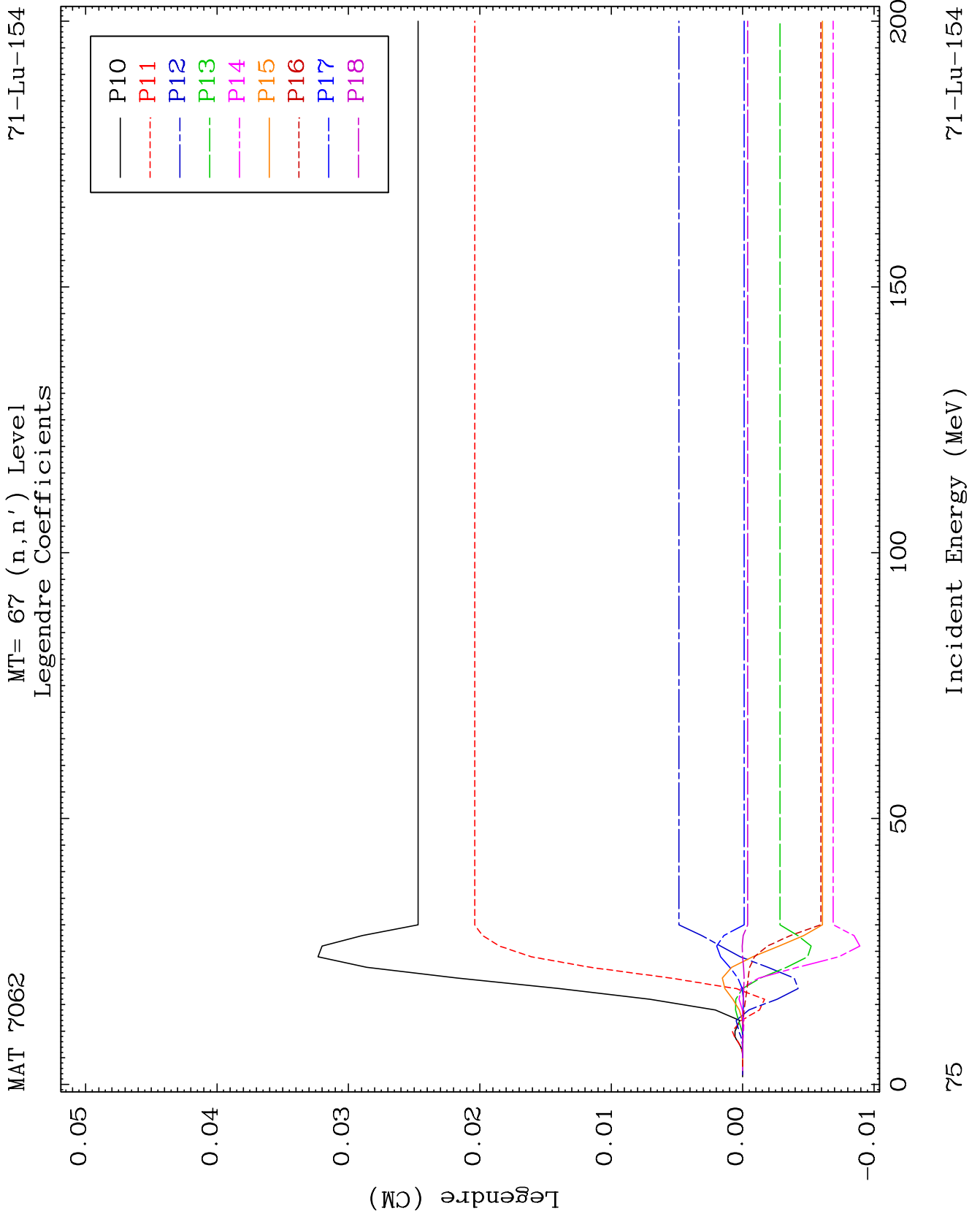
MT= 66 (n,n') Level
Legendre Coefficients

71-Lu-154



73

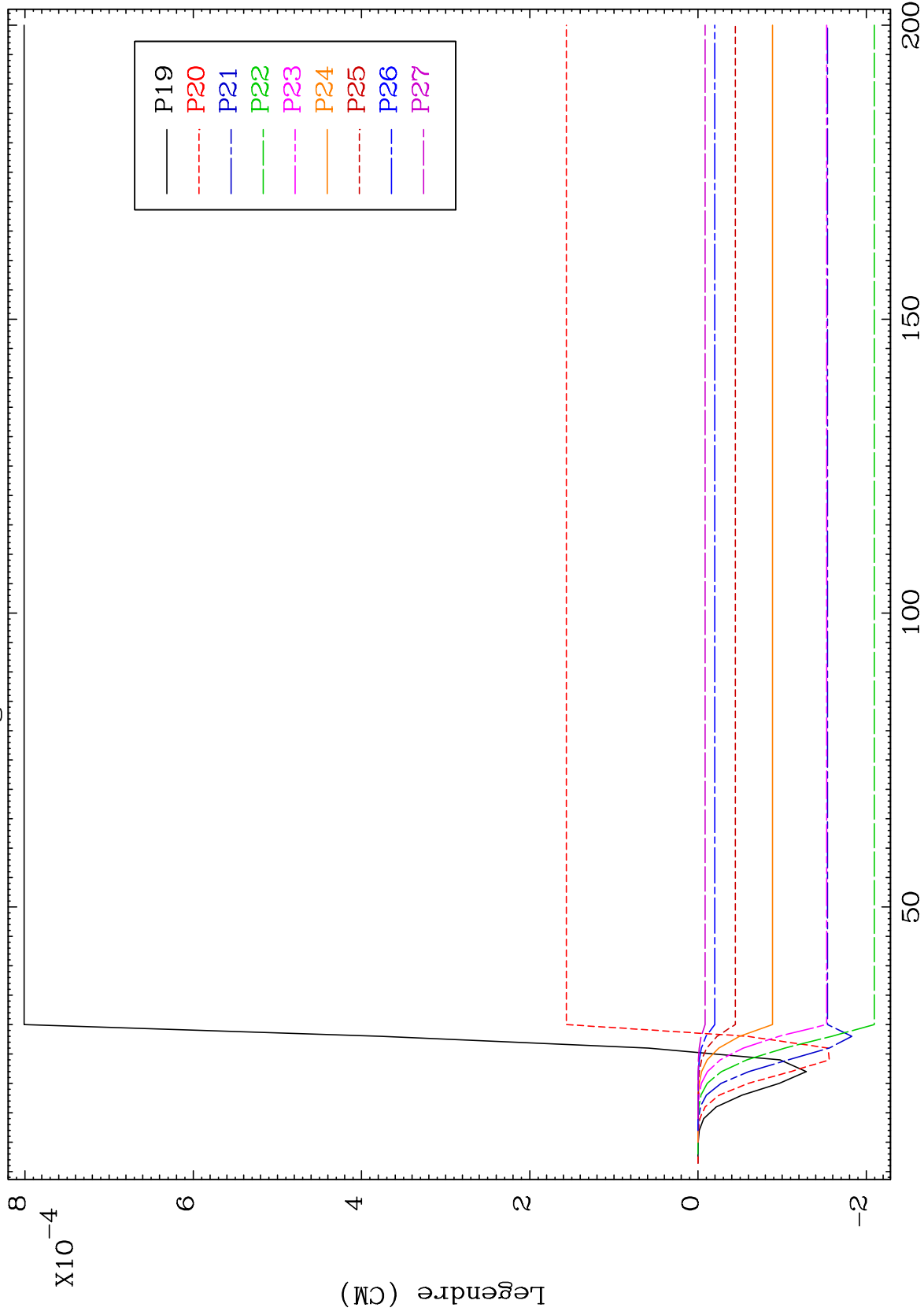
71-Lu-154



MAT 7062

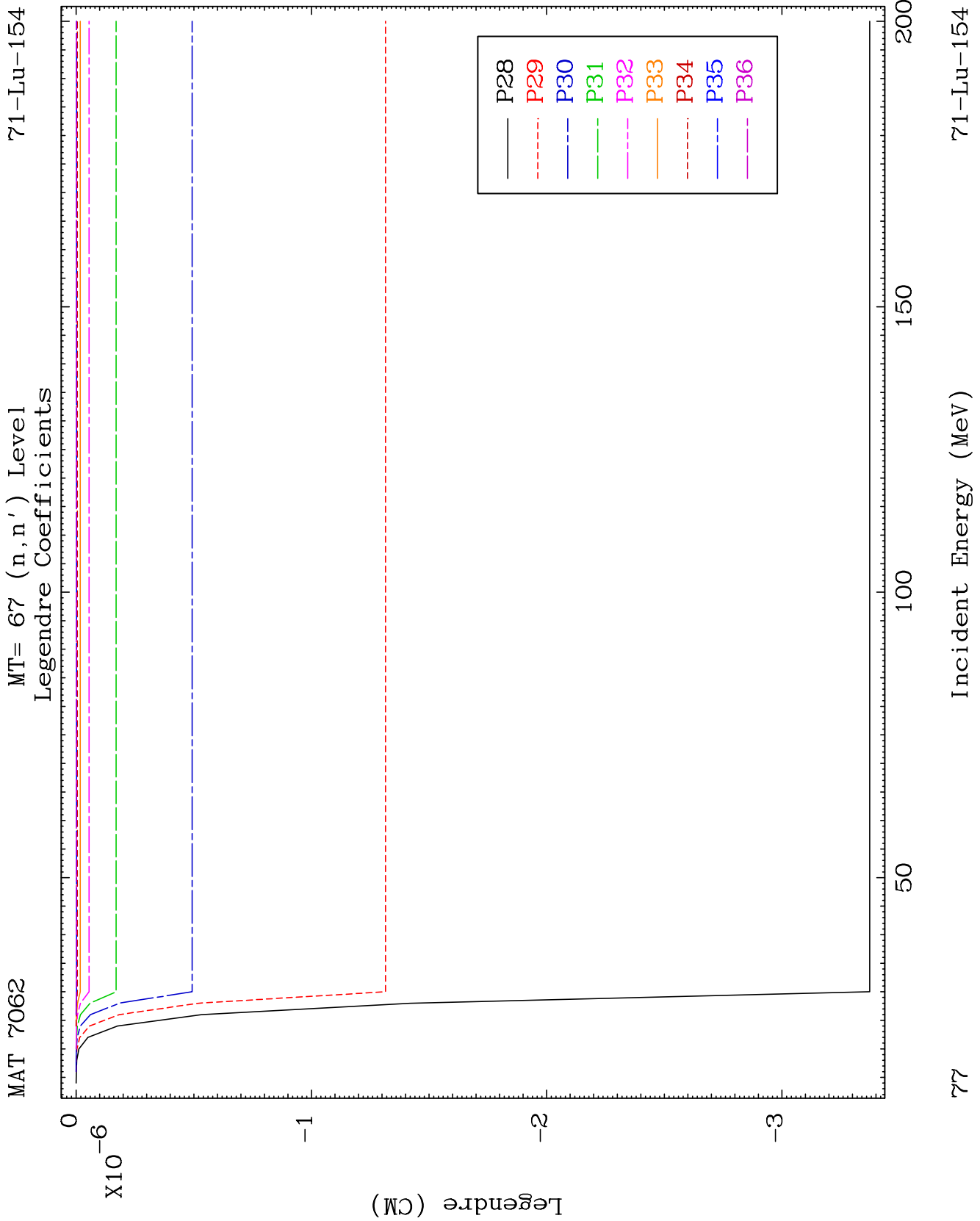
MT= 67 (n,n') Level
Legendre Coefficients

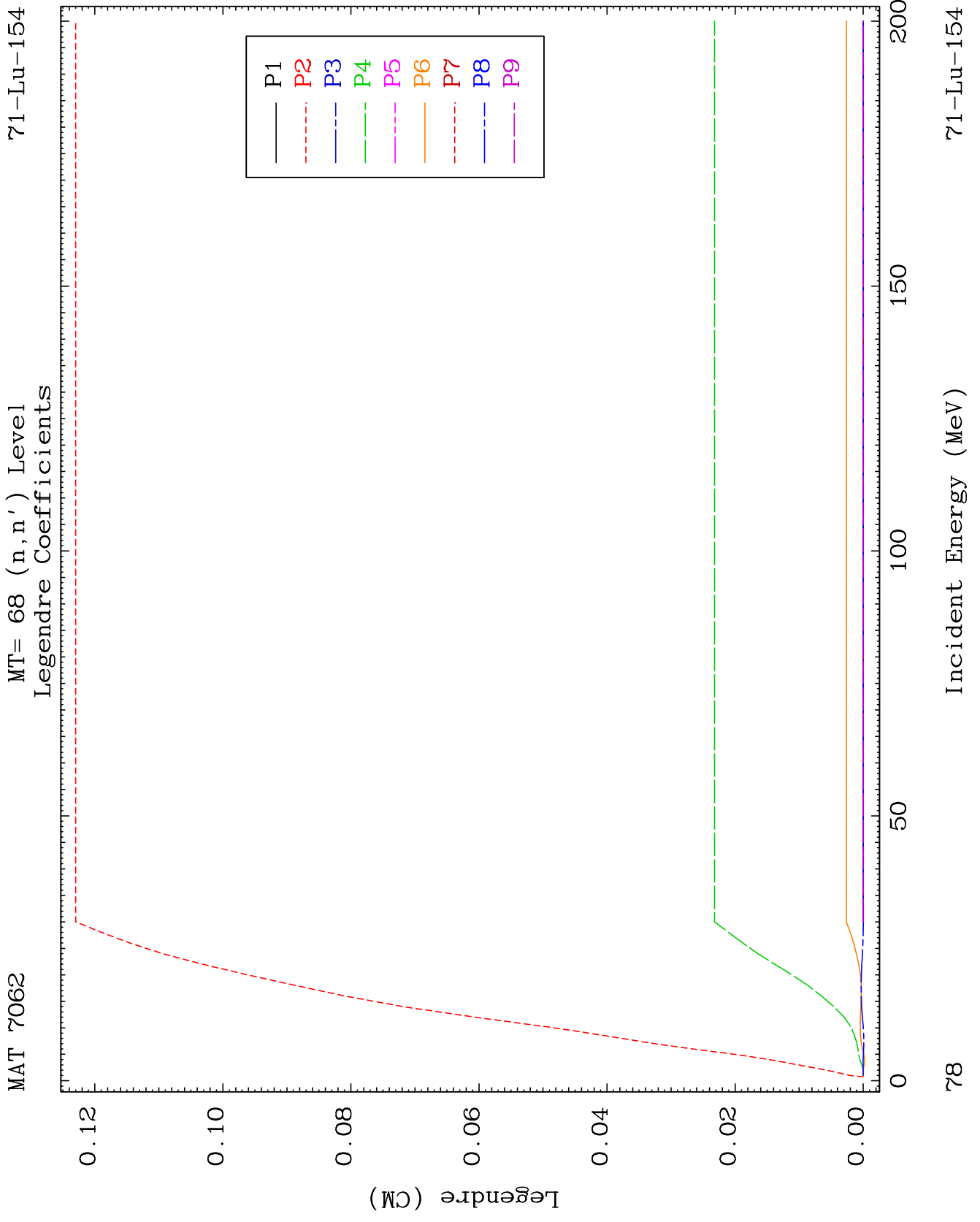
71-Lu-154



76

71-Lu-154

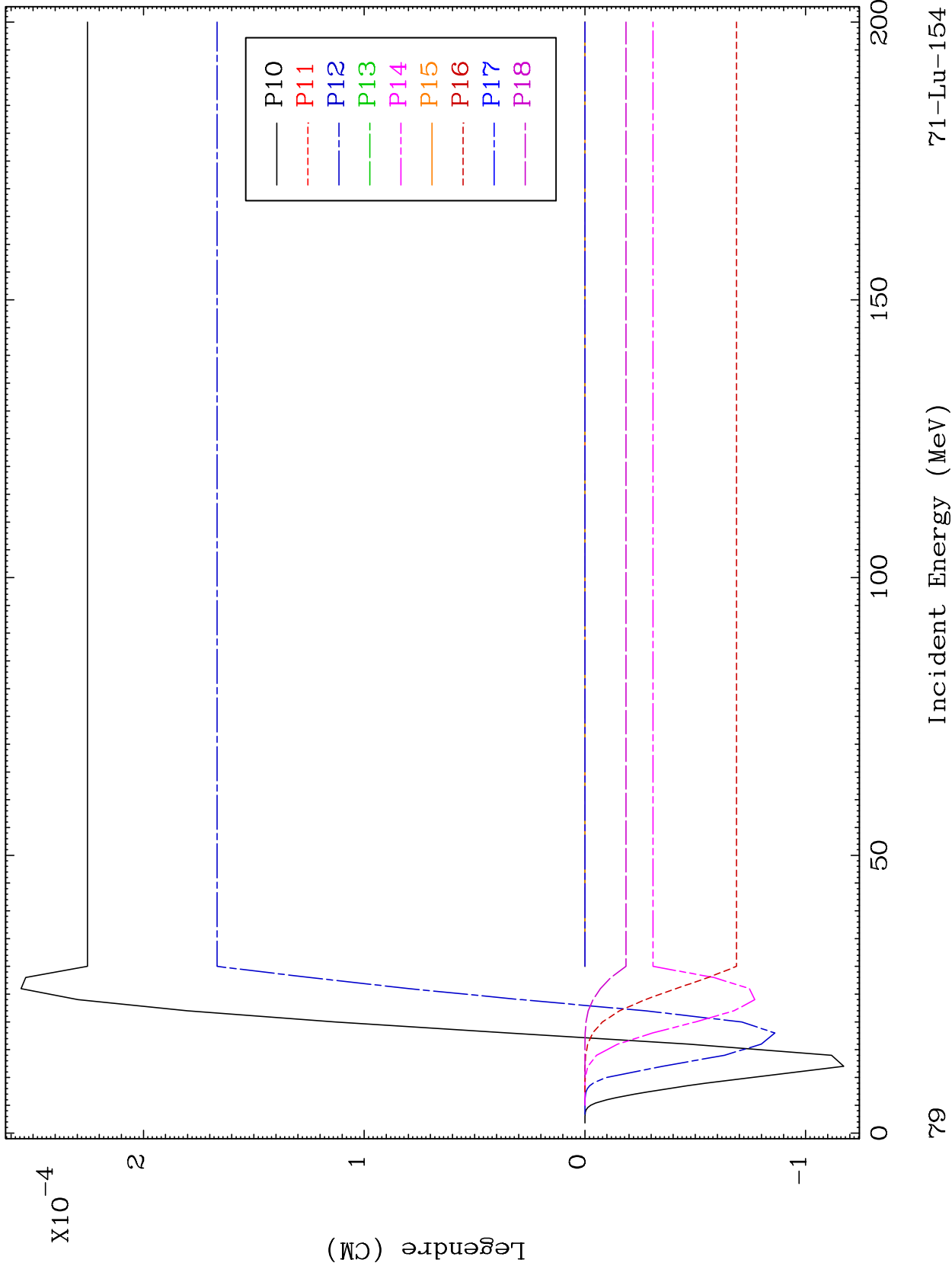




MAT 7062

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

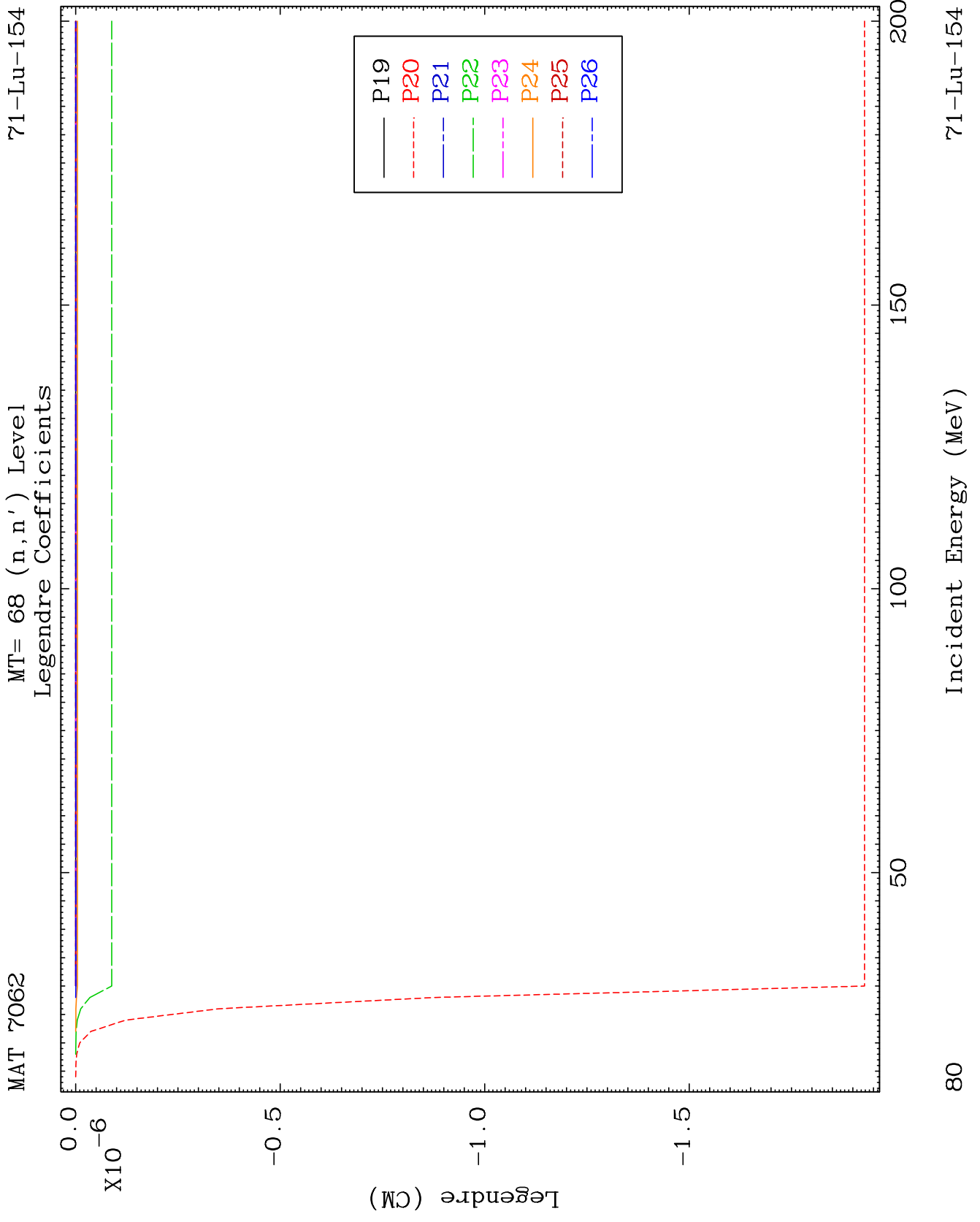
71-Lu-154



79

Incident Energy (MeV)

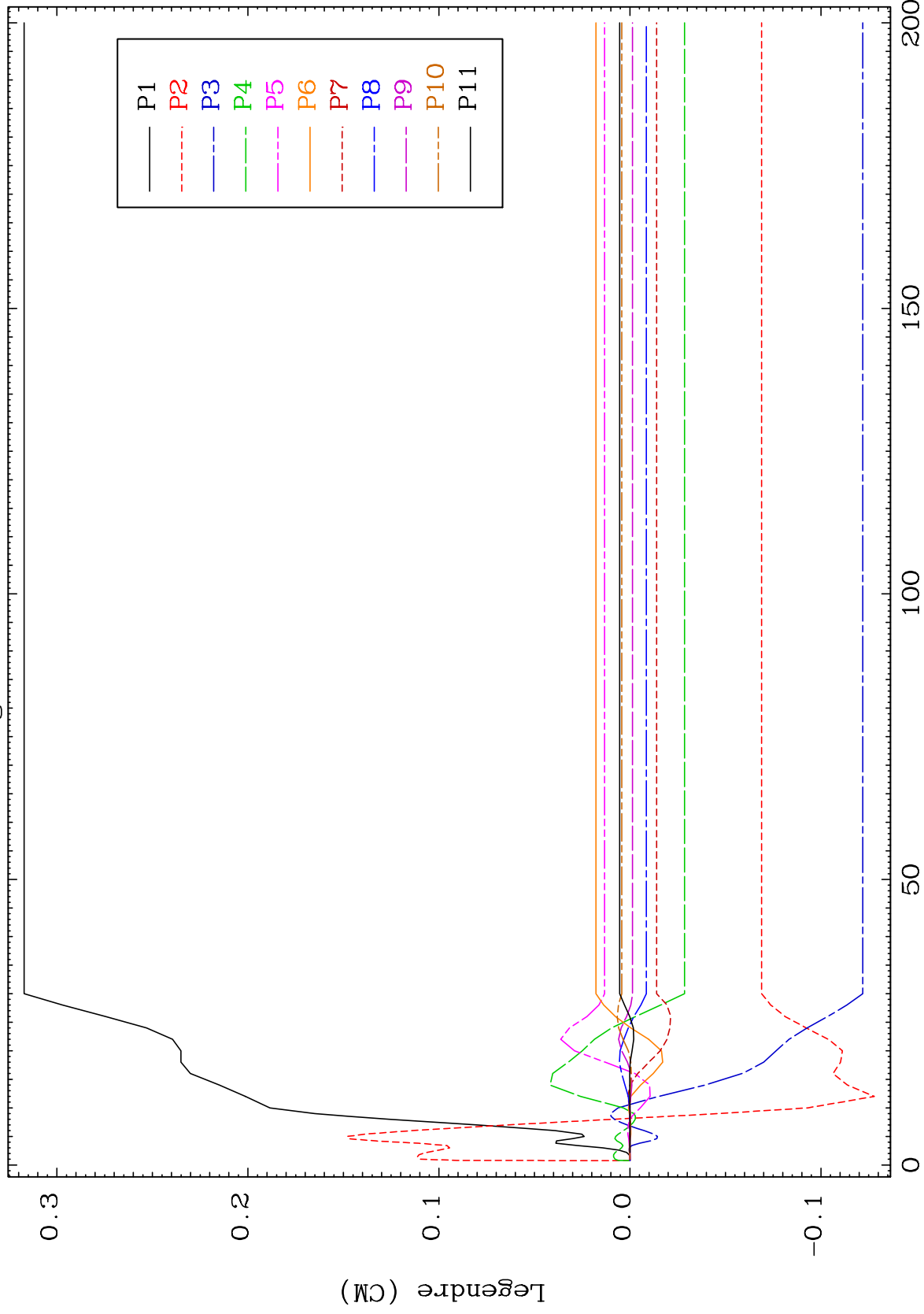
71-Lu-154



MAT 7062

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

71-Lu-154



81

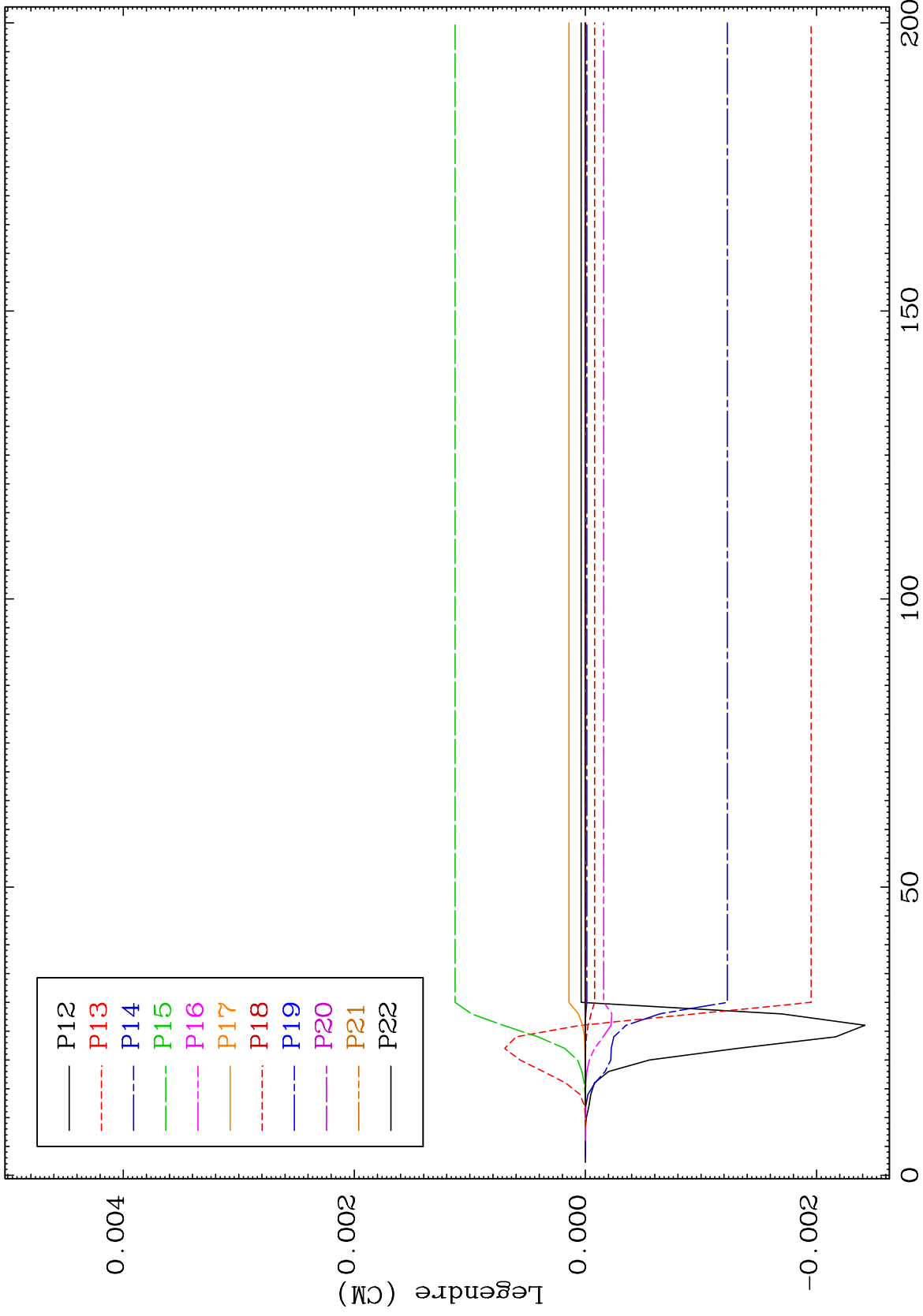
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

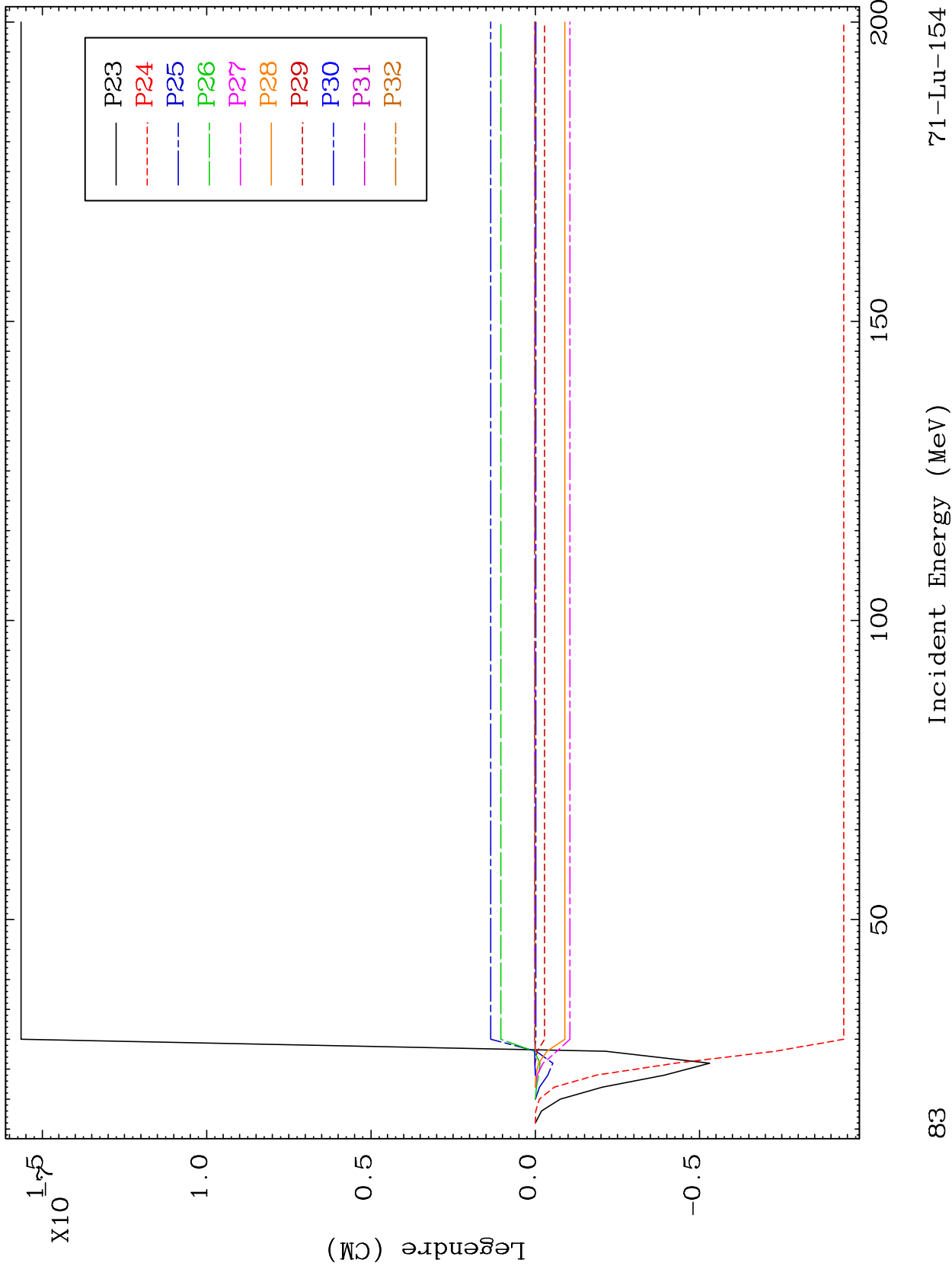
71-Lu-154

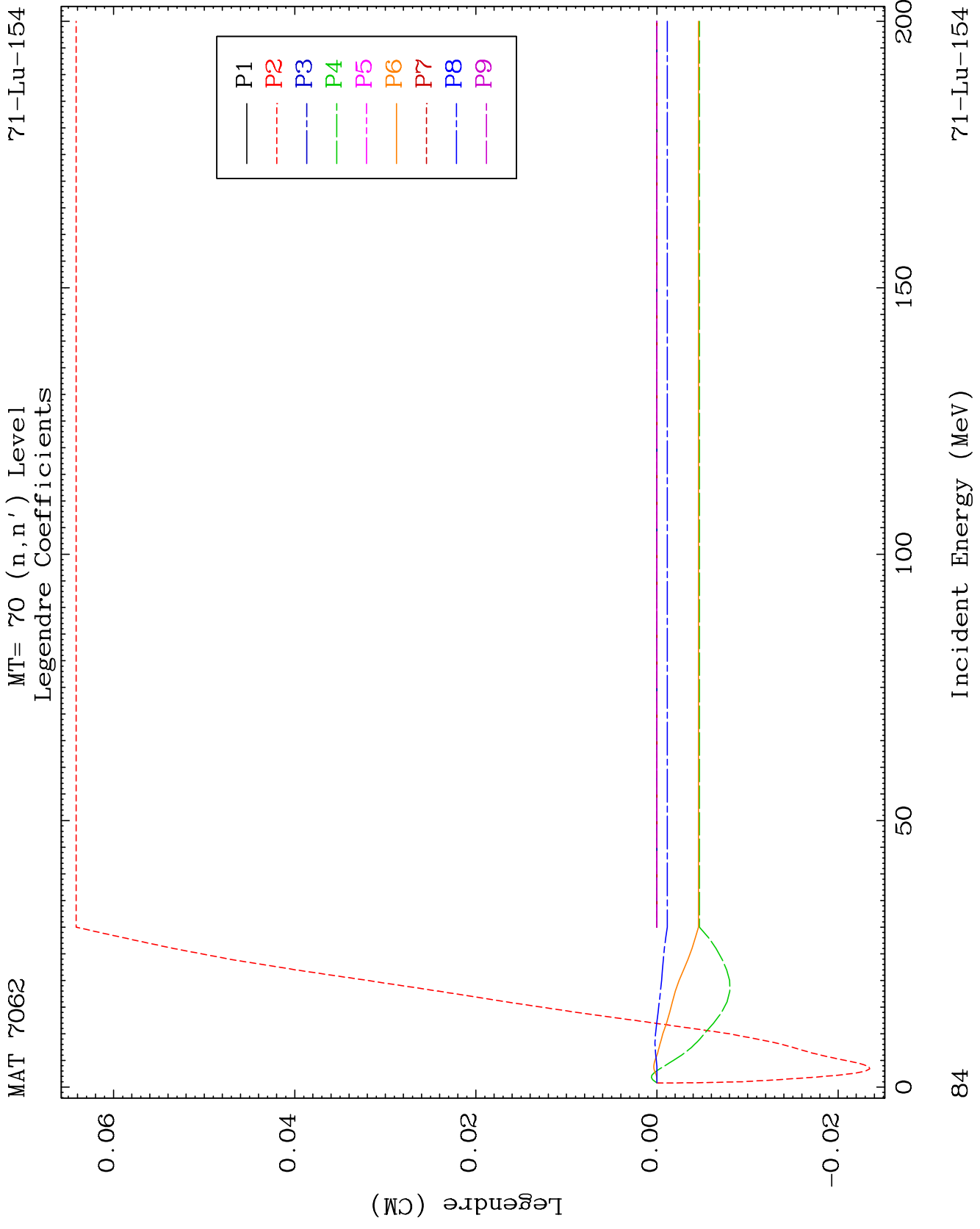


82

Incident Energy (MeV)

71-Lu-154

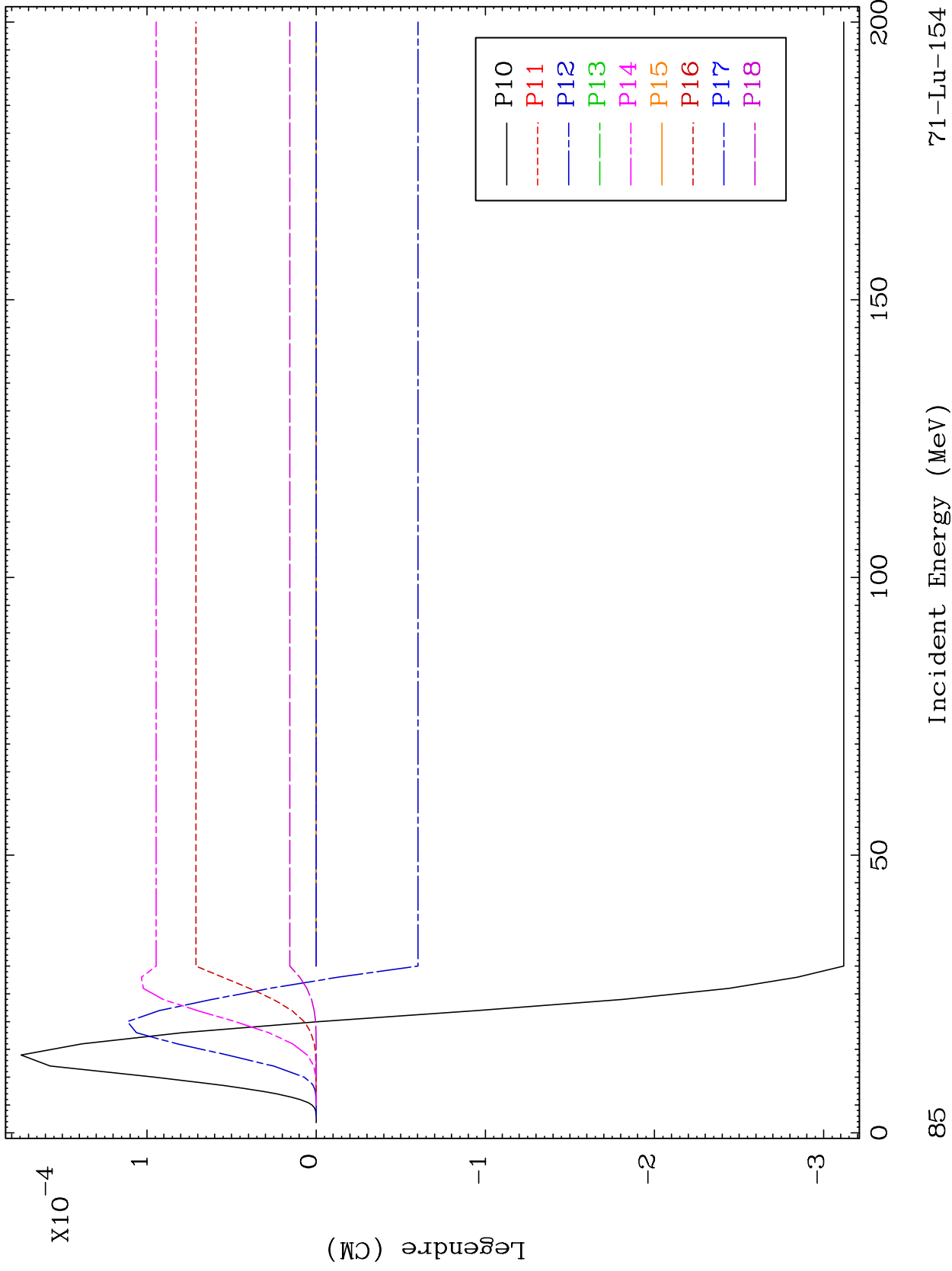




MAT 7062

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

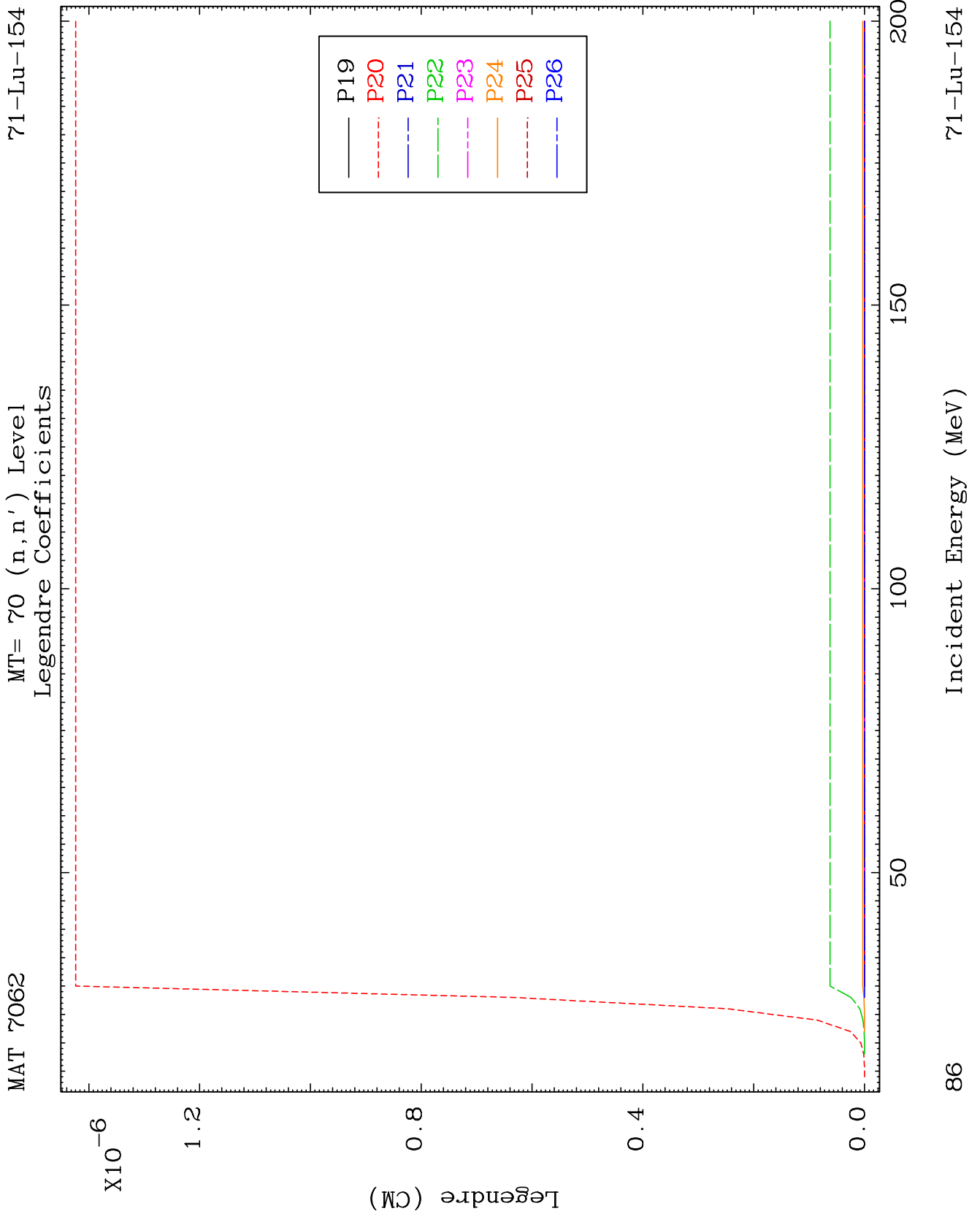
71-Lu-154



85

Incident Energy (MeV)

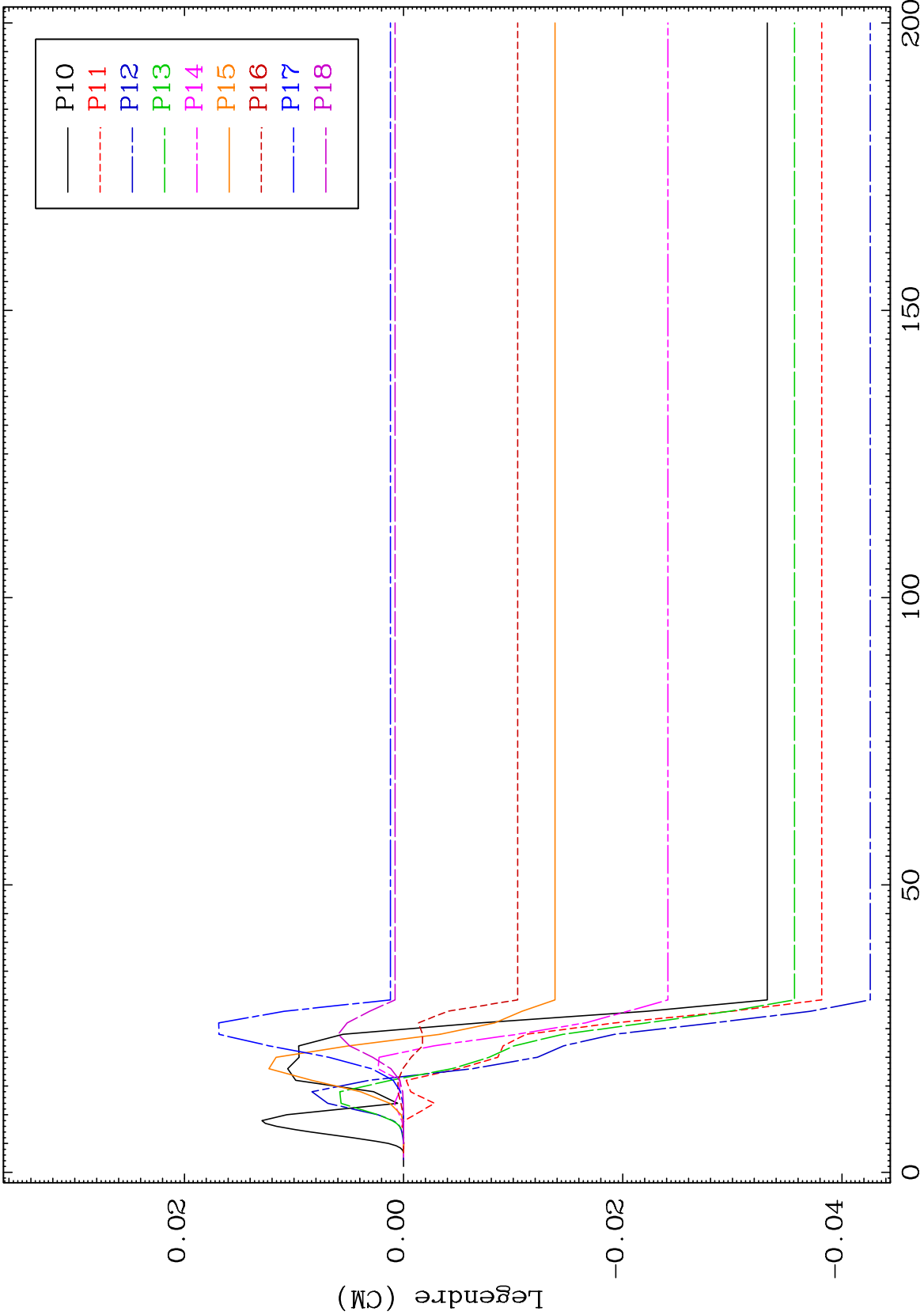
71-Lu-154



MAT 7062

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

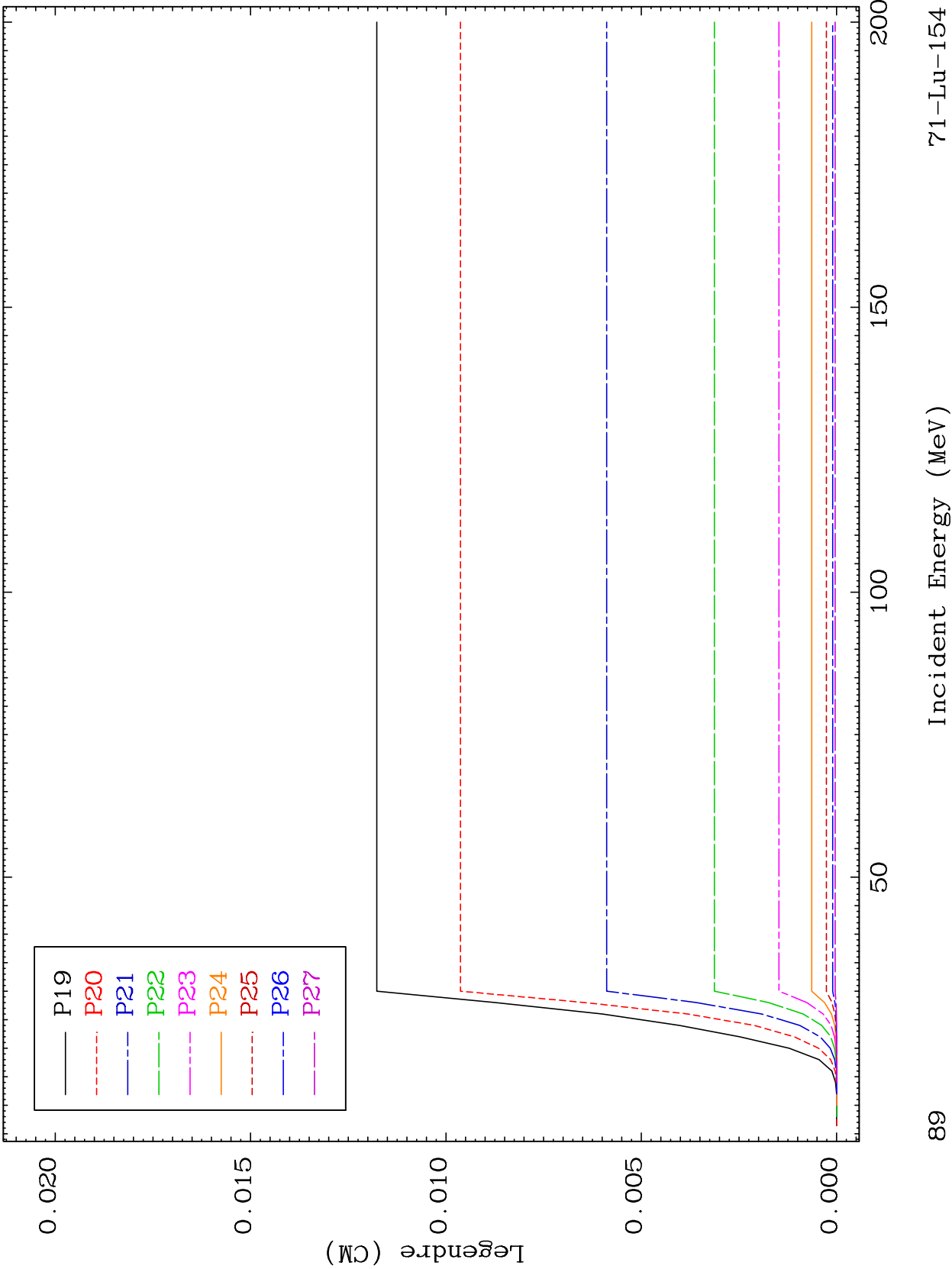
71-Lu-154



88

Incident Energy (MeV)

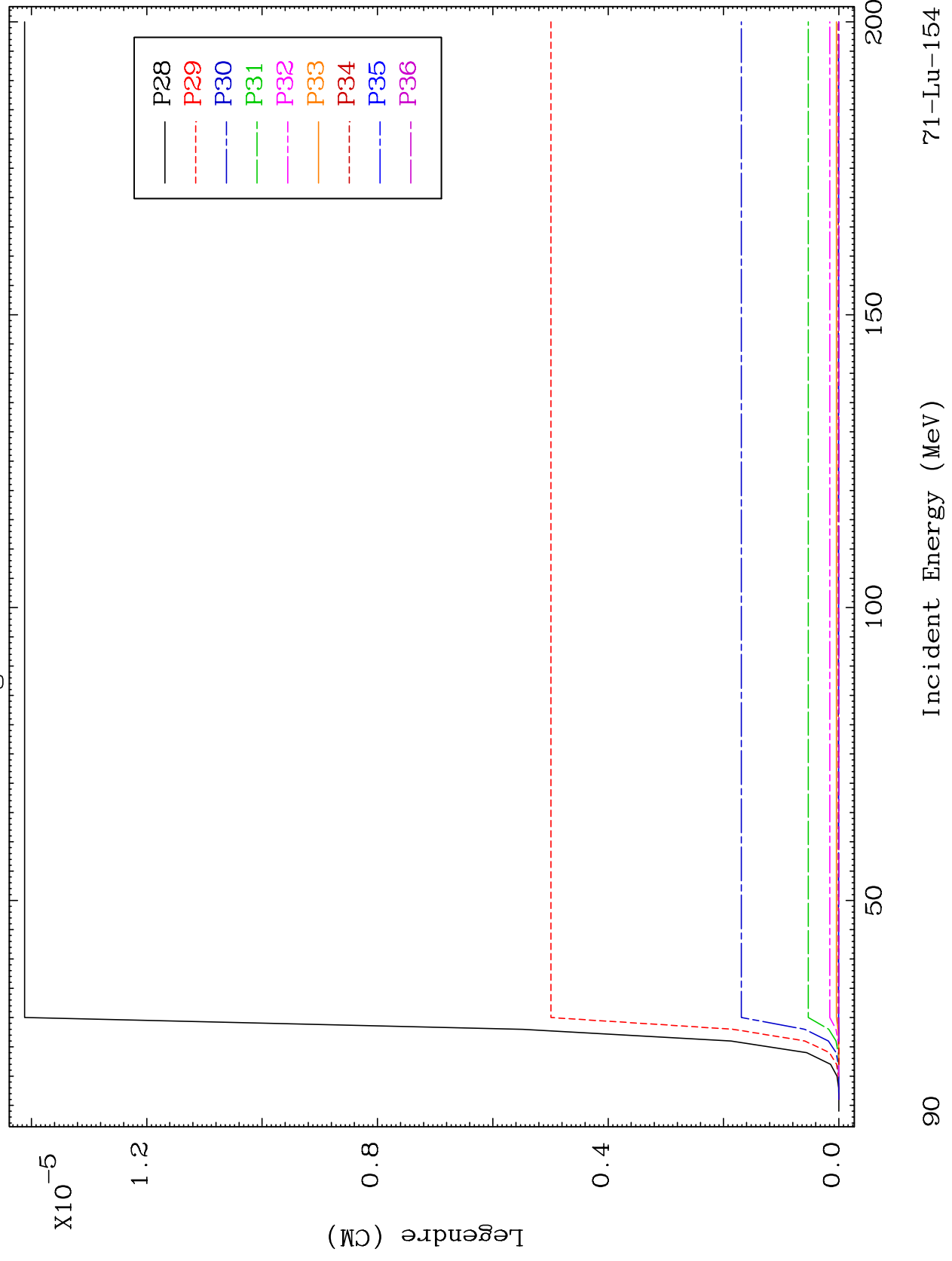
71-Lu-154



MAT 7062

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

71-Lu-154



71-Lu-154

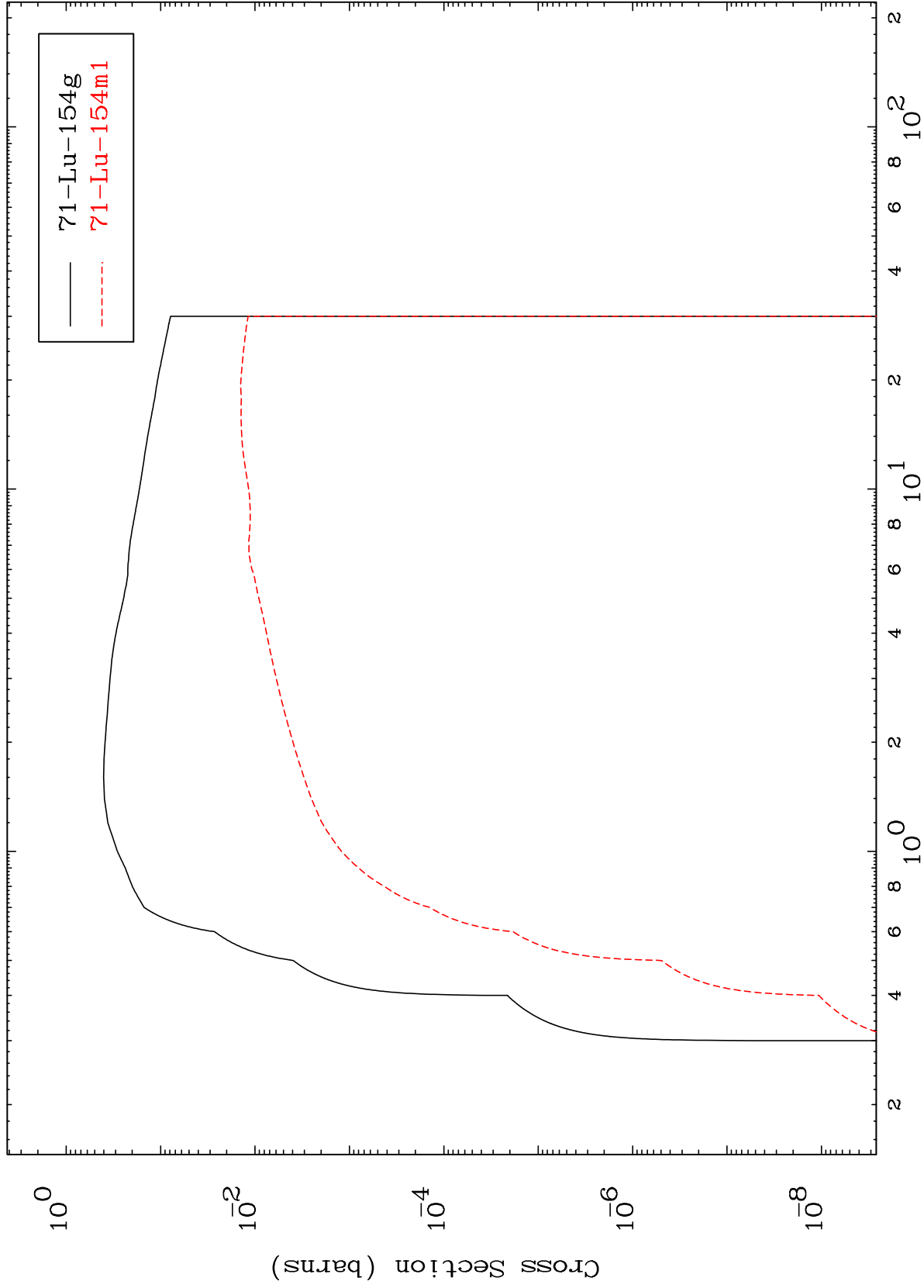
Incident Energy (MeV)

90

MAT 7062

71-Lu-154

Inelastic
Radionuclide Production Cross Section



91

71-Lu-154

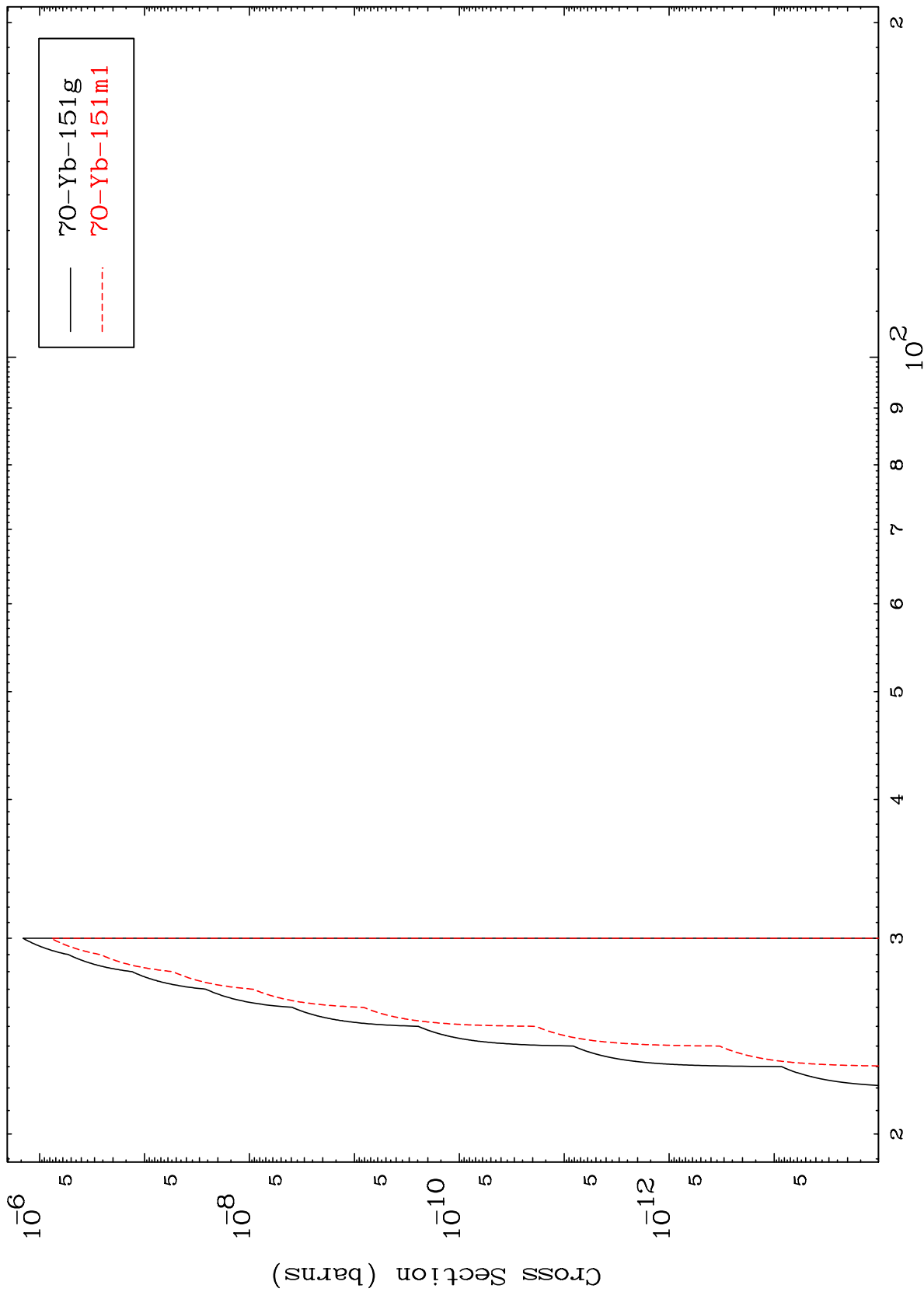
Incident Energy (MeV)

MAT 7062

(n,2n) d

71-Lu-154

Radionuclide Production Cross Section



92

Incident Energy (MeV)

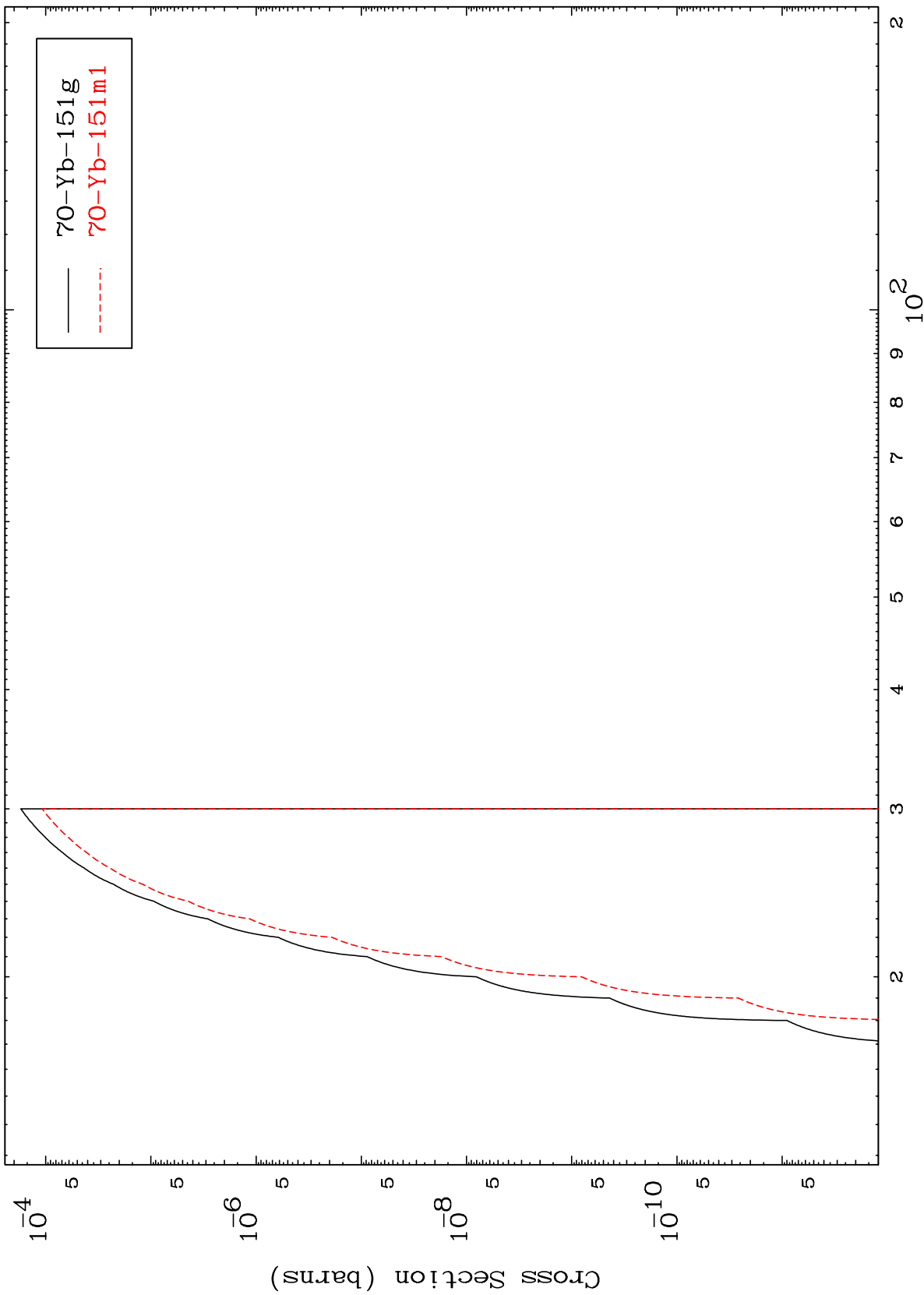
71-Lu-154

MAT 7062

(n,n') t

71-Lu-154

Radionuclide Production Cross Section



93

Incident Energy (MeV)

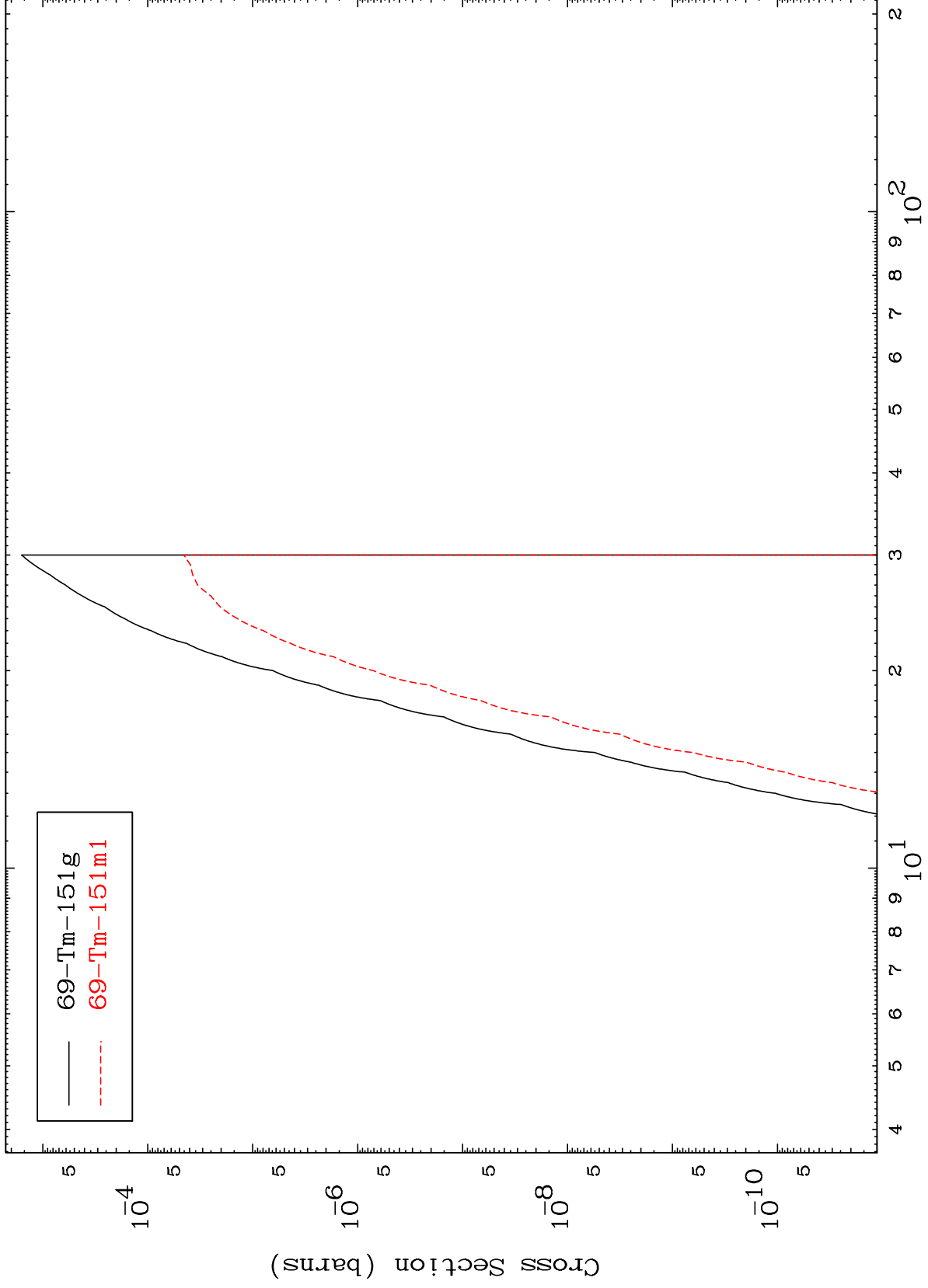
71-Lu-154

MAT 7062

(n,n') He-3

71-Lu-154

Radionuclide Production Cross Section



94

Incident Energy (MeV)

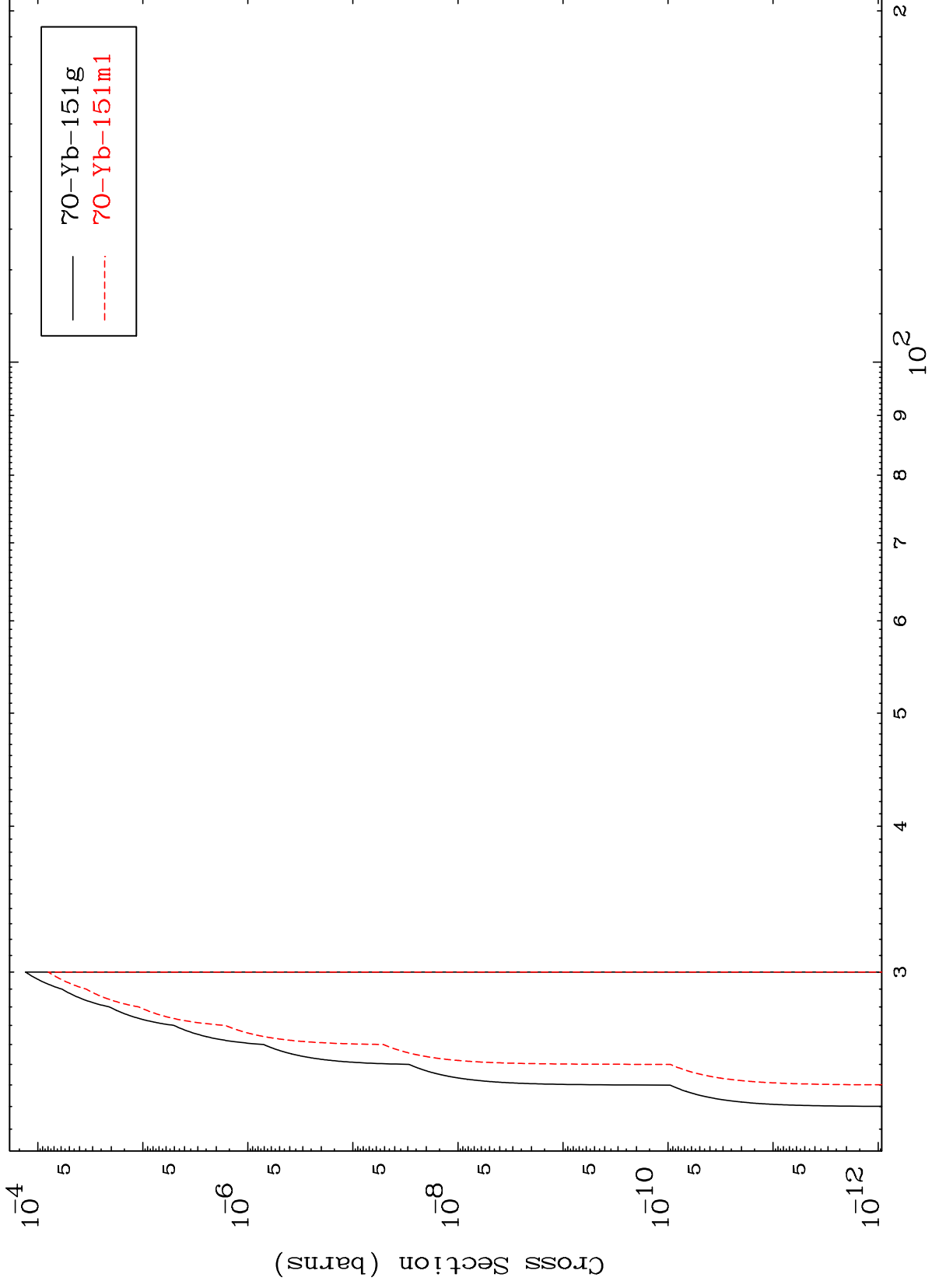
71-Lu-154

MAT 7062

(n,3n) p

71-Lu-154

Radionuclide Production Cross Section

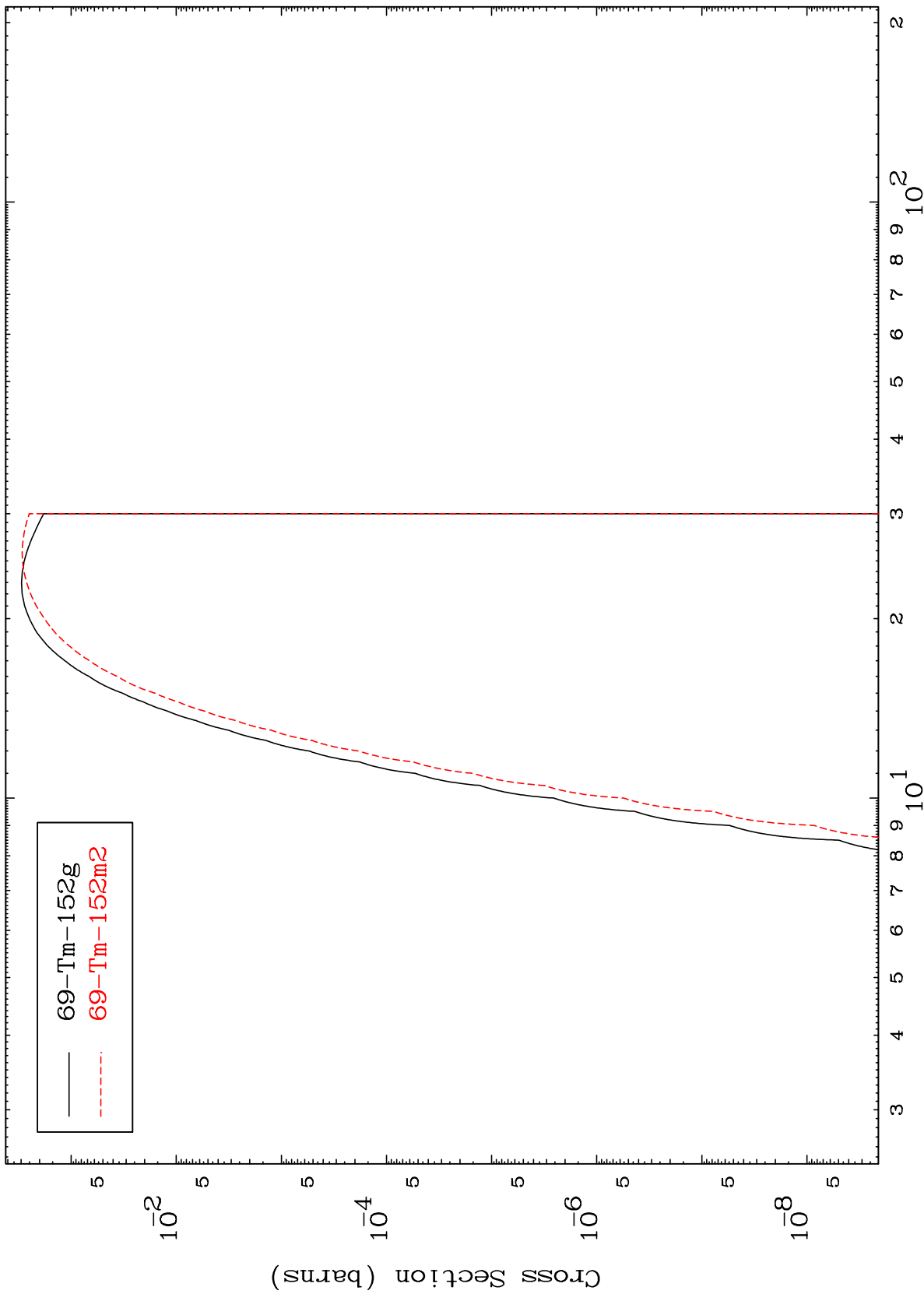


95

Incident Energy (MeV)

71-Lu-154

(n,2n) p
Radionuclide Production Cross Section



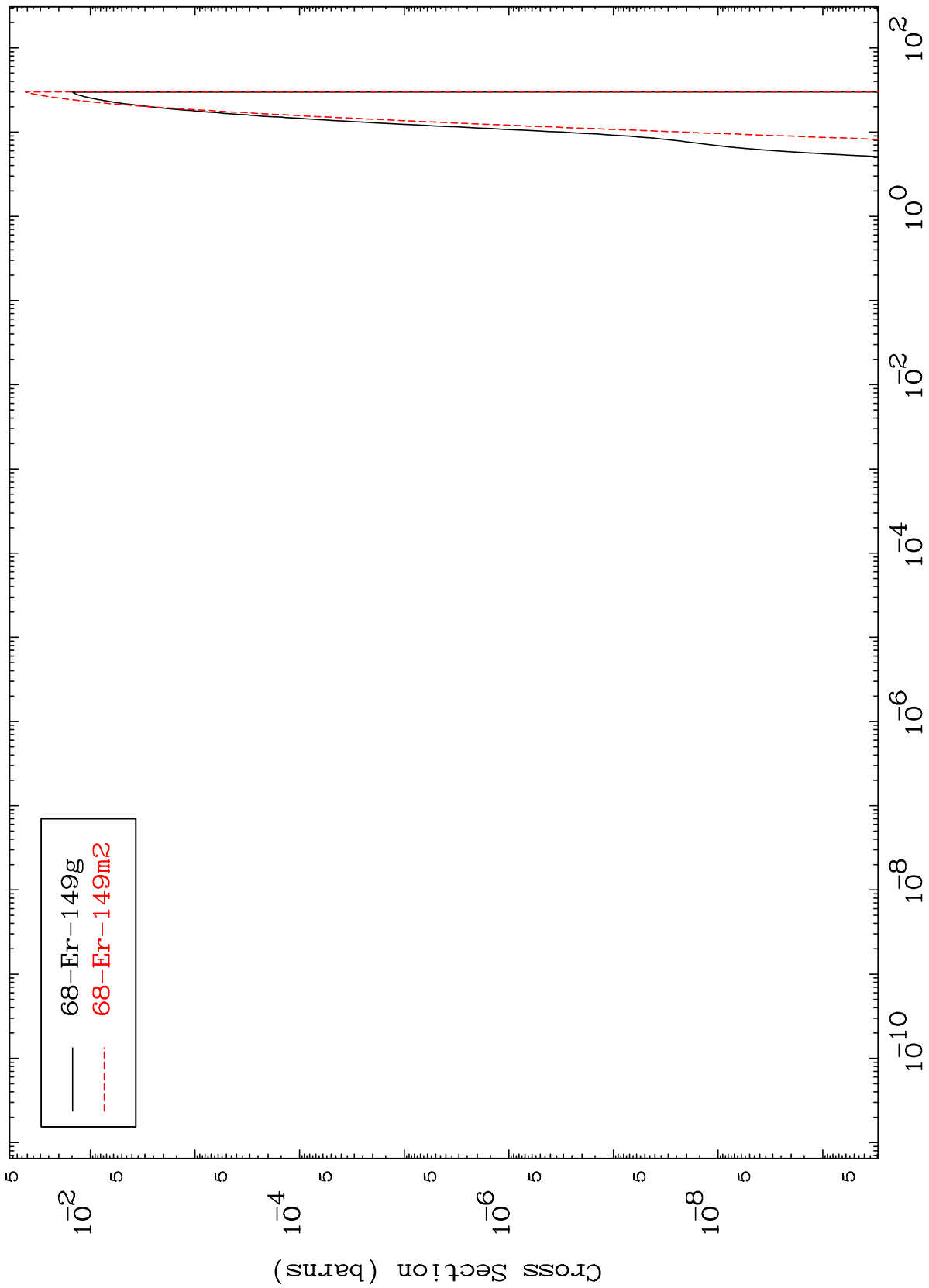
— 69-Tm-152g
- - - 69-Tm-152m2

MAT 7062

(n,n') p α

71-Lu-154

Radionuclide Production Cross Section



97

Incident Energy (MeV)

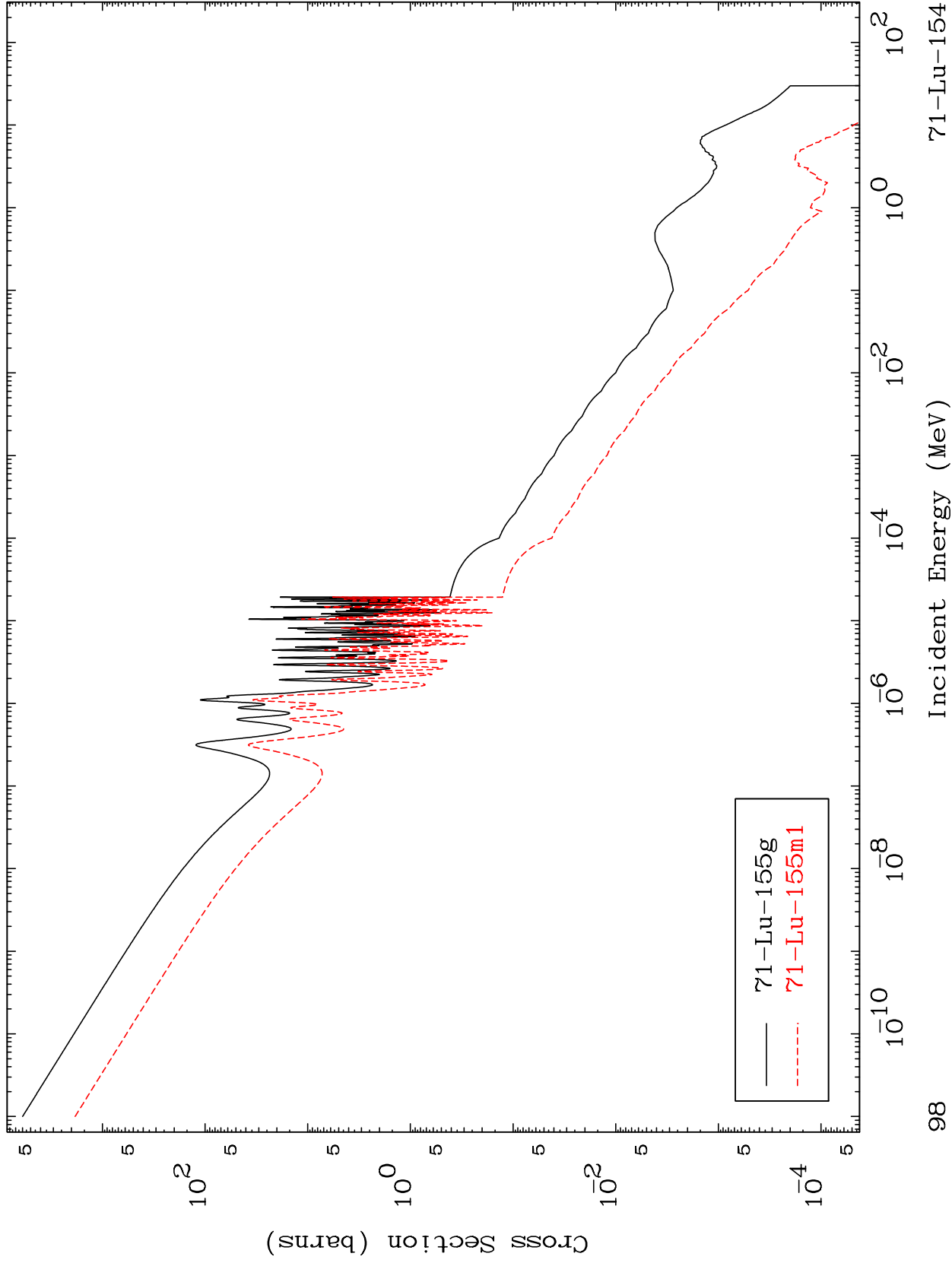
71-Lu-154

MAT 7062

$^{71}\text{Lu-154}$

Radionuclide Production Cross Section

(n, γ)

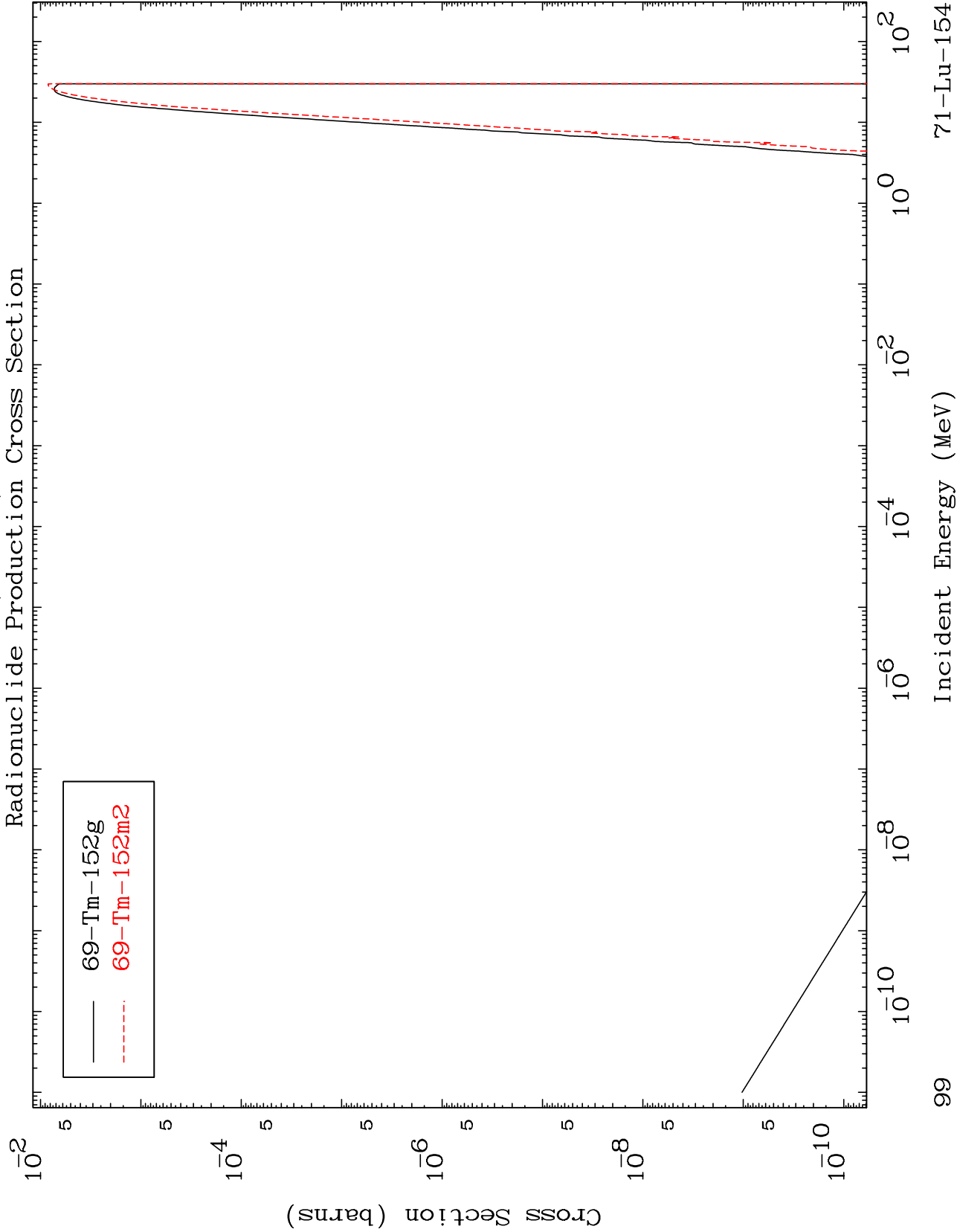


MAT 7062

(n,He-3)

71-Lu-154

Radionuclide Production Cross Section



69-Tm-152g
69-Tm-152m2

Incident Energy (MeV)

71-Lu-154

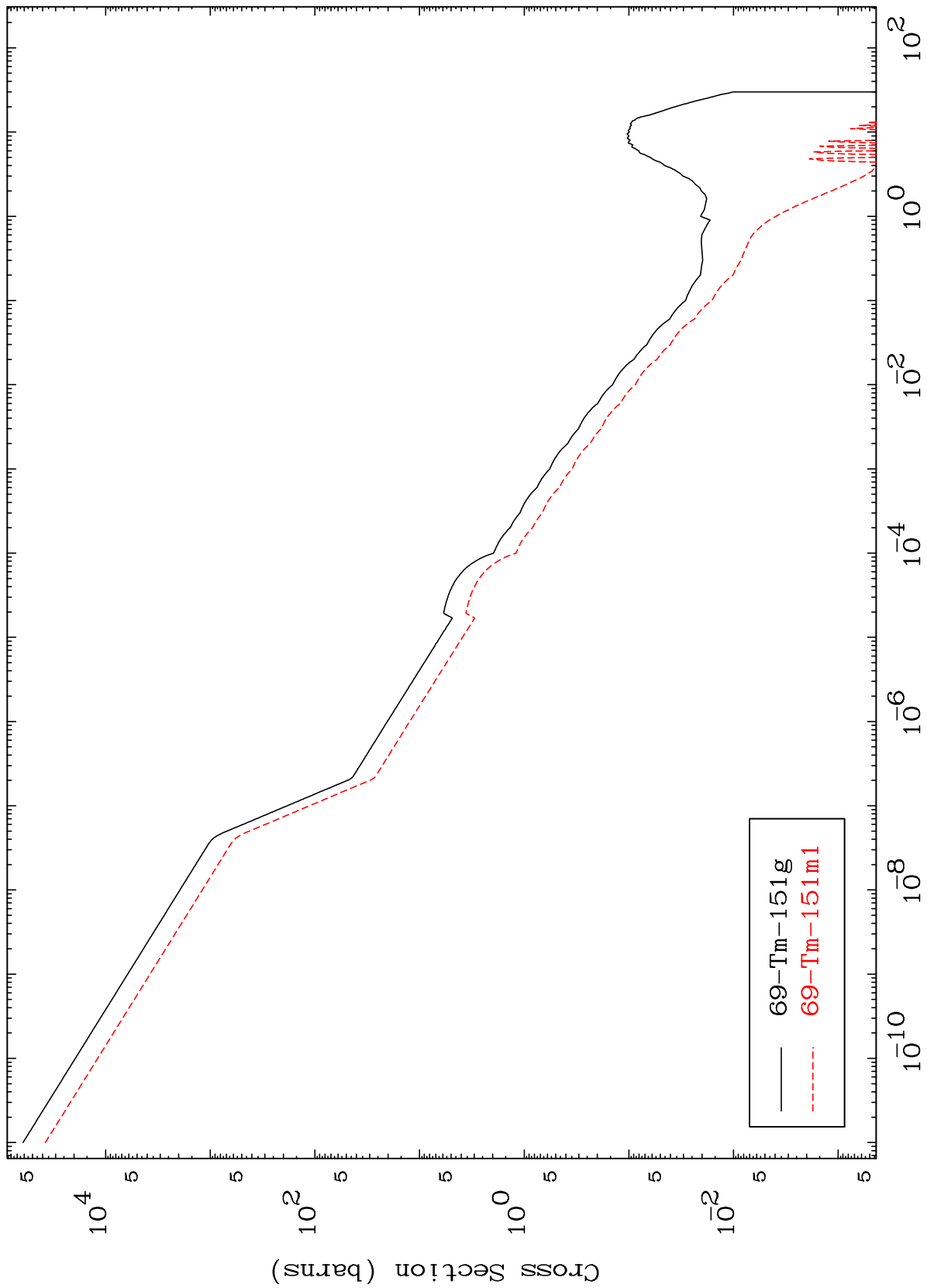
99

MAT 7062

71-Lu-154

Radionuclide Production Cross Section

(n, α)



100

Incident Energy (MeV)

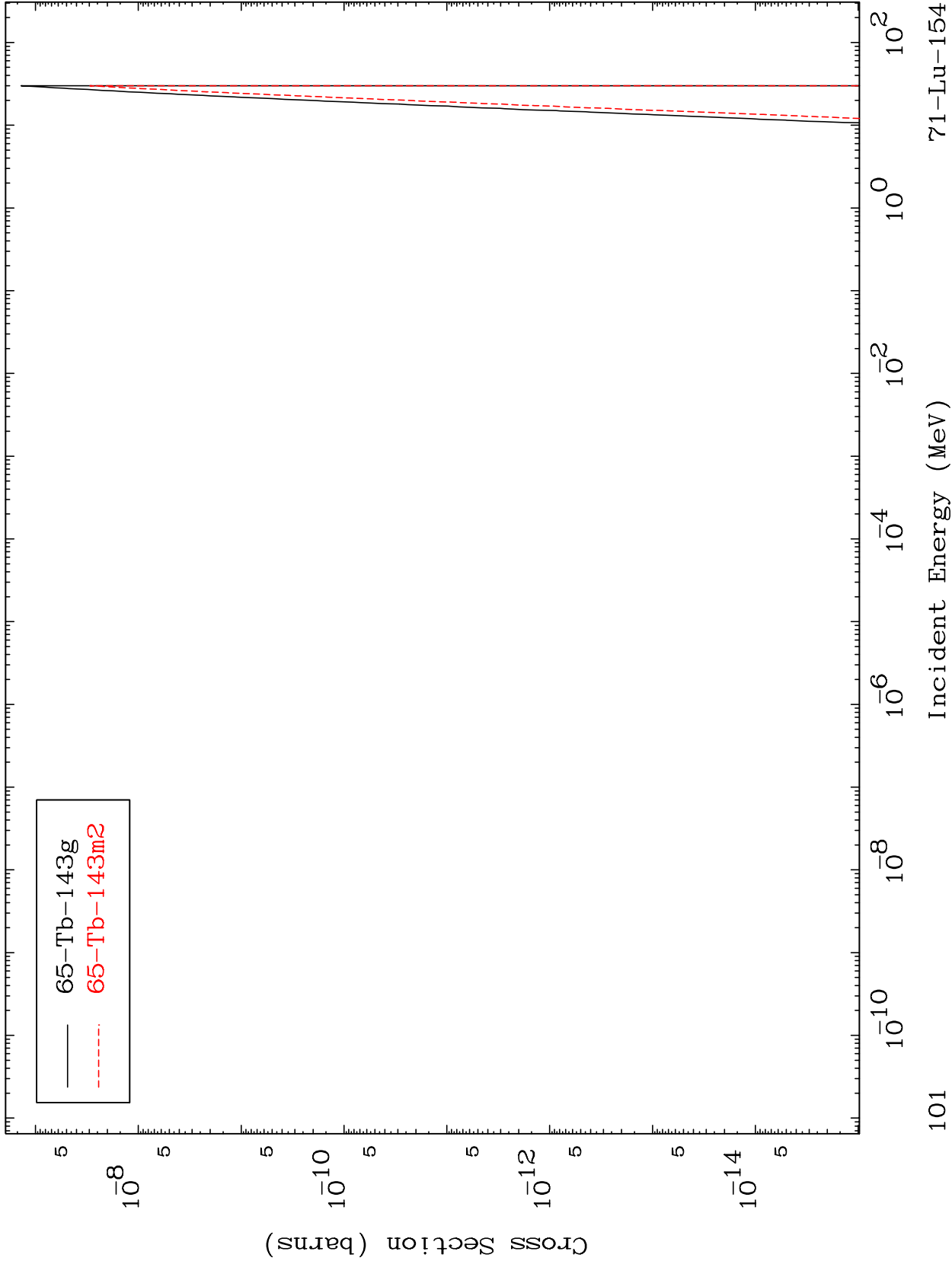
71-Lu-154

MAT 7062

(n, 3α)

⁷¹Lu-154

Radionuclide Production Cross Section



— 65-Tb-143g
- - - 65-Tb-143m2

101

Incident Energy (MeV)

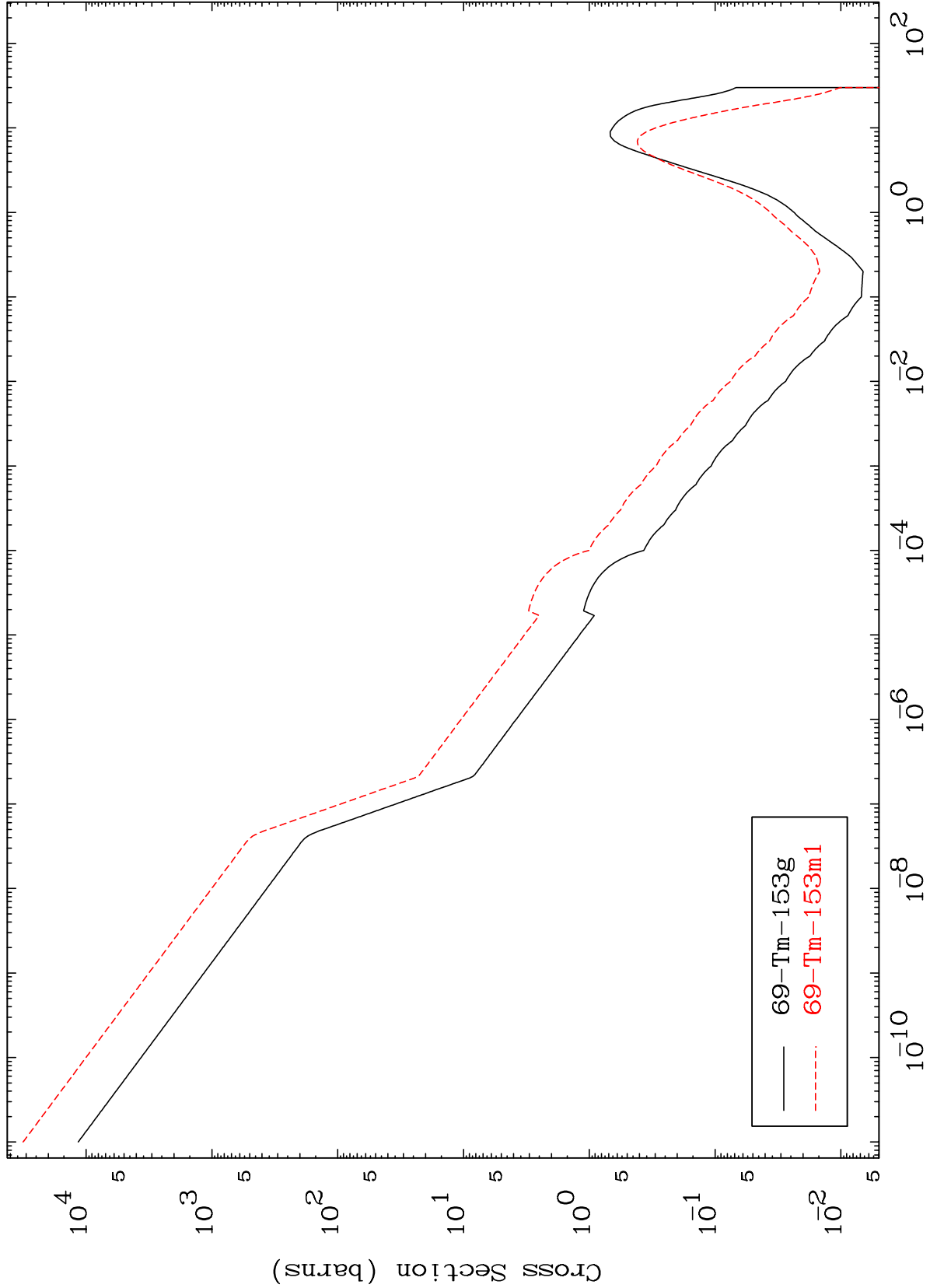
⁷¹Lu-154

MAT 7062

(n,2p)

71-Lu-154

Radionuclide Production Cross Section



102

Incident Energy (MeV)

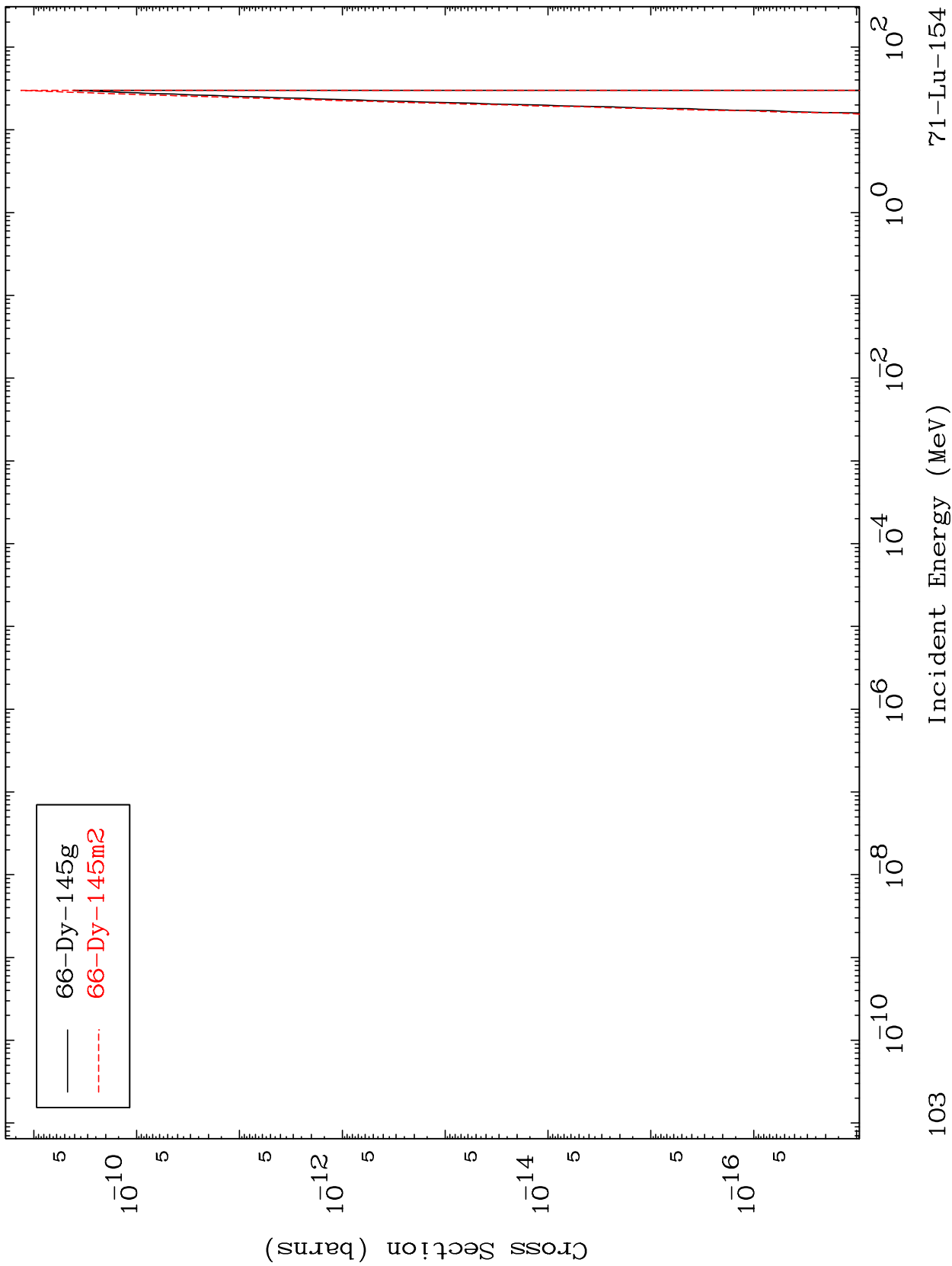
71-Lu-154

MAT 7062

(n,d) 2α

$^{71}\text{Lu-154}$

Radionuclide Production Cross Section



103

Incident Energy (MeV)

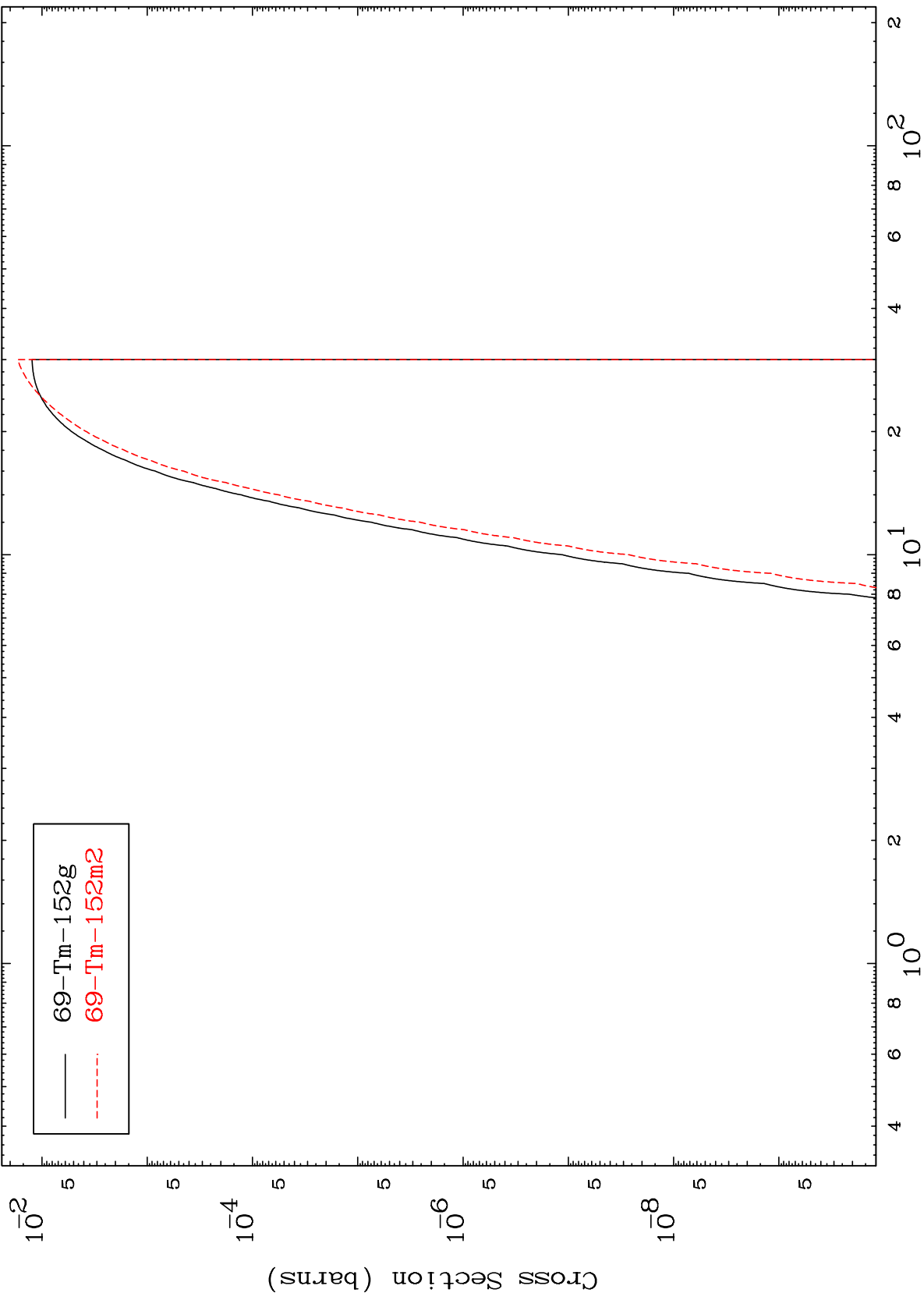
$^{71}\text{Lu-154}$

MAT 7062

(n,p) d

71-Lu-154

Radionuclide Production Cross Section



104

Incident Energy (MeV)

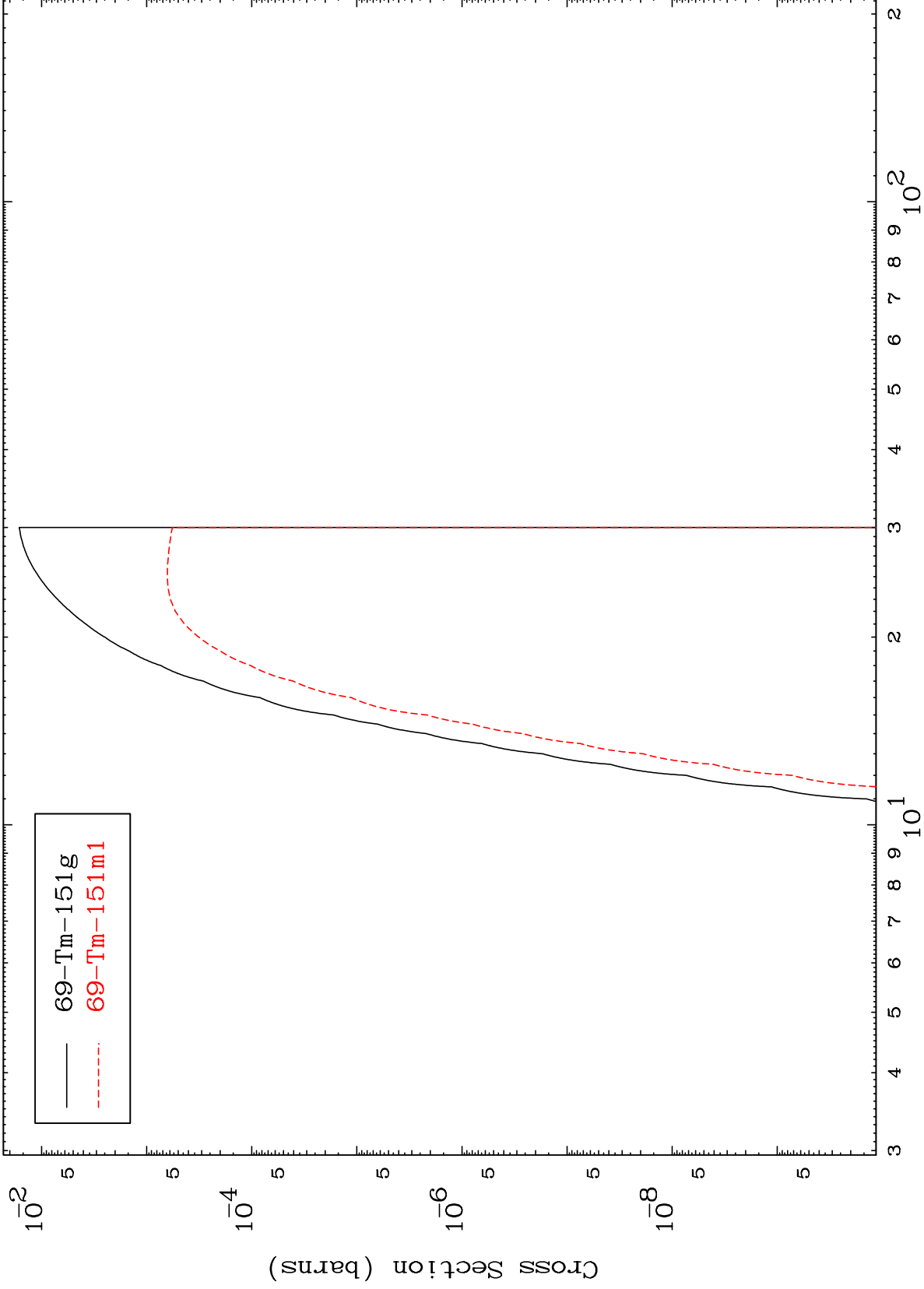
71-Lu-154

MAT 7062

(n,p) t

⁷¹Lu-154

Radionuclide Production Cross Section



105

Incident Energy (MeV)

⁷¹Lu-154

MAT 7062

(n,d) α

⁷¹Lu-154

Radionuclide Production Cross Section

