

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

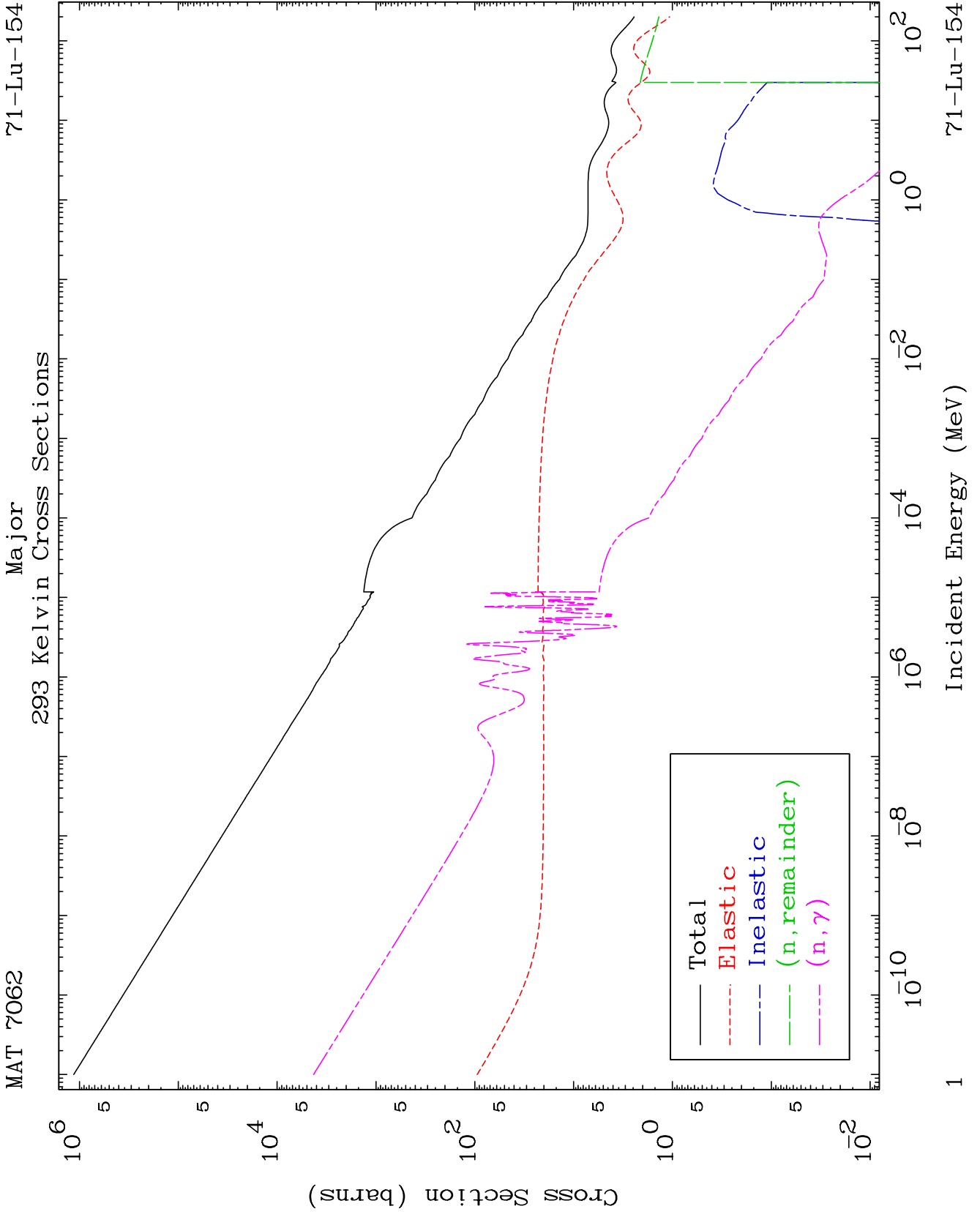
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

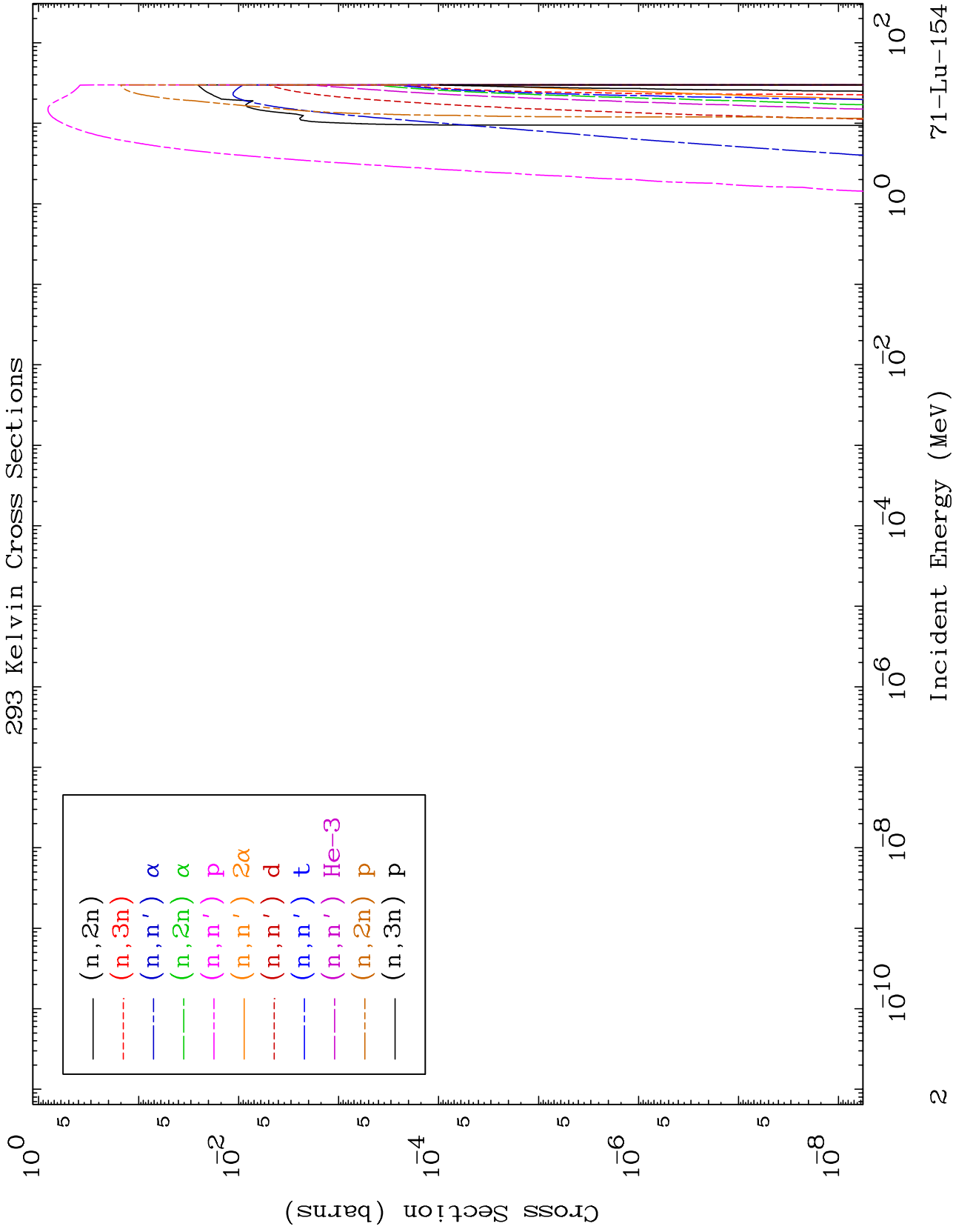
Press Mouse Button to Start



MAT 7062

Neutron Production  
293 Kelvin Cross Sections

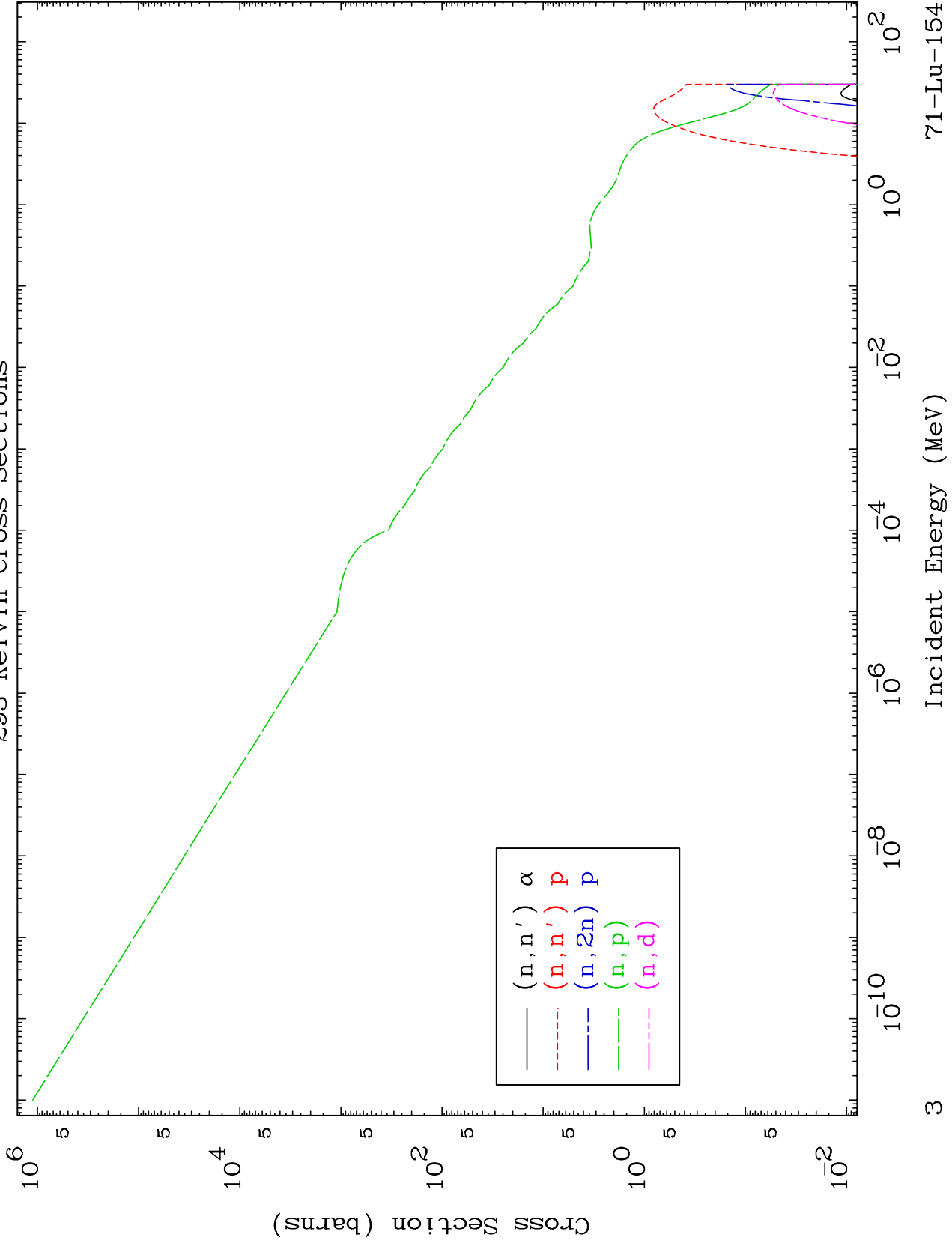
71-Lu-154



MAT 7062

Charged Particle  
293 Kelvin Cross Sections

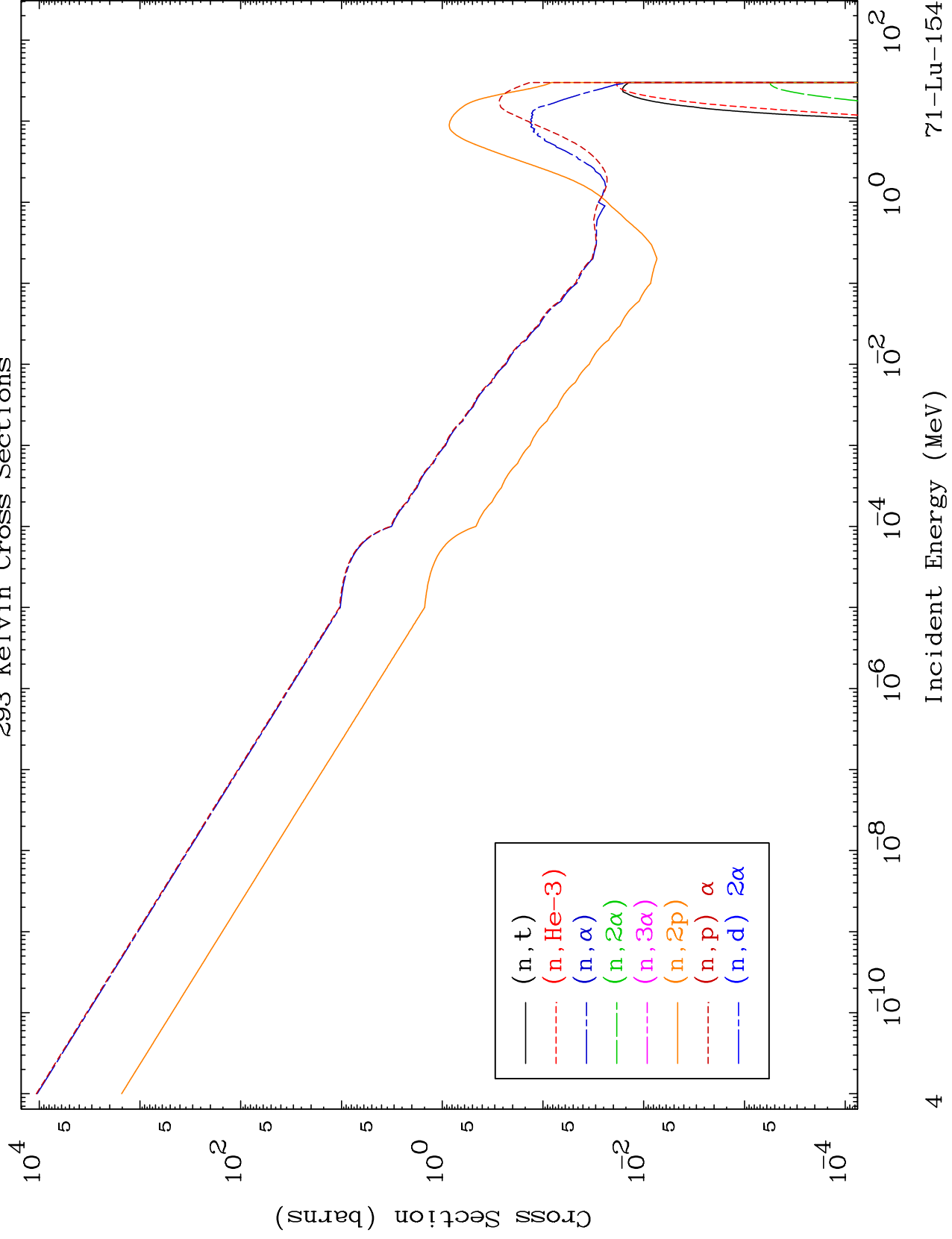
71-Lu-154

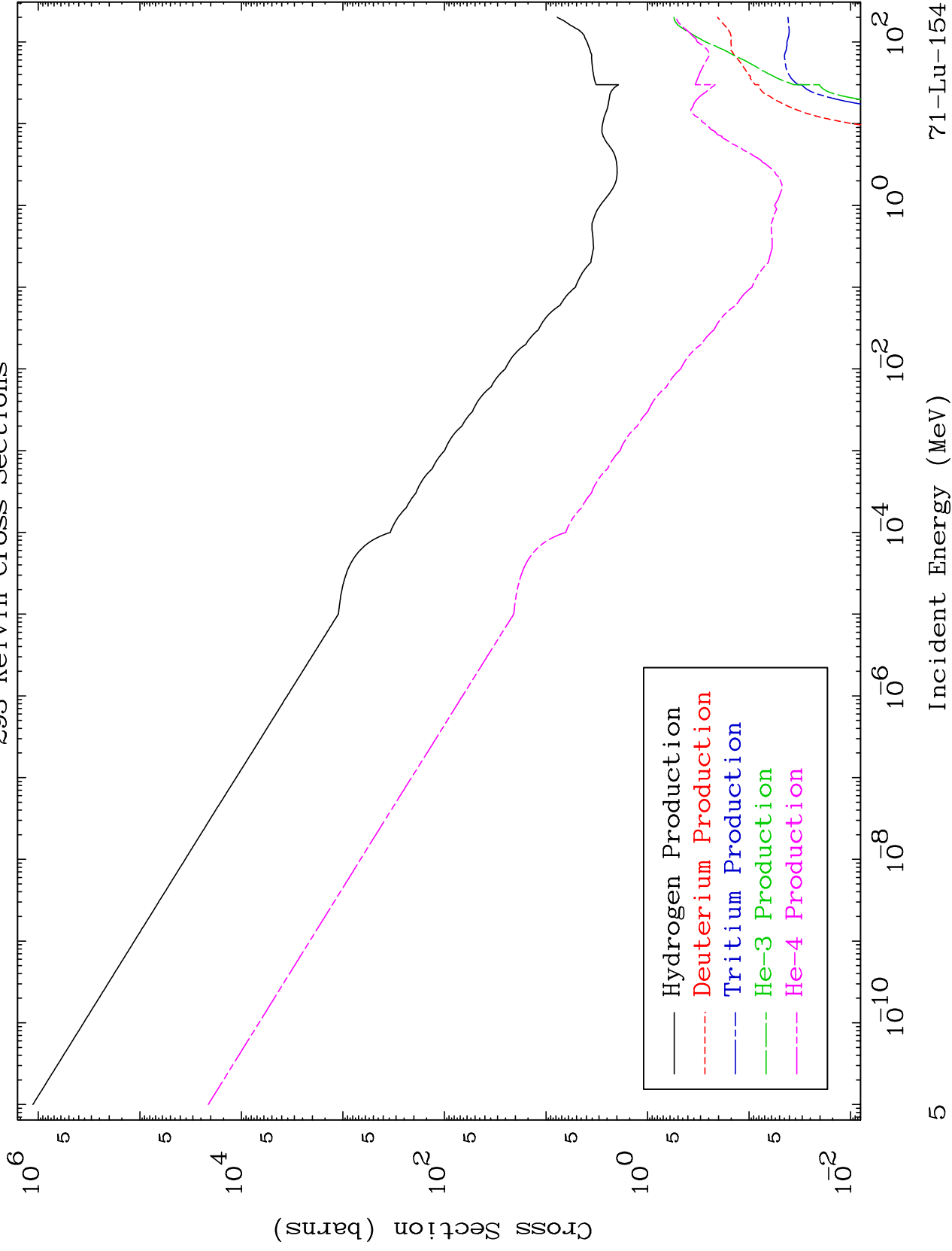


MAT 7062

Charged Particle  
293 Kelvin Cross Sections

71-Lu-154



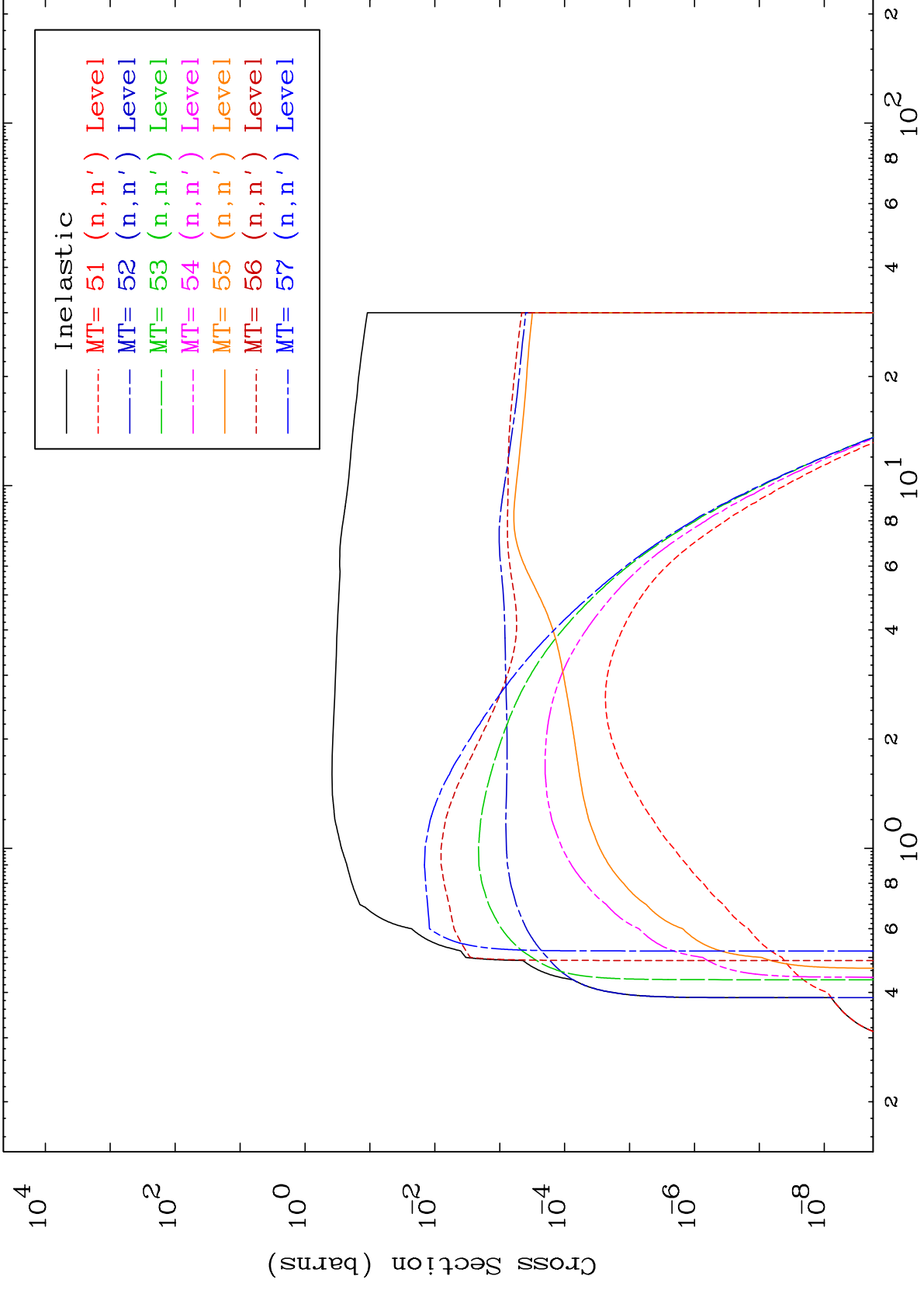


MAT 7062

(n,n') Level

71-Lu-154

293 Kelvin Cross Sections



6

Incident Energy (MeV)

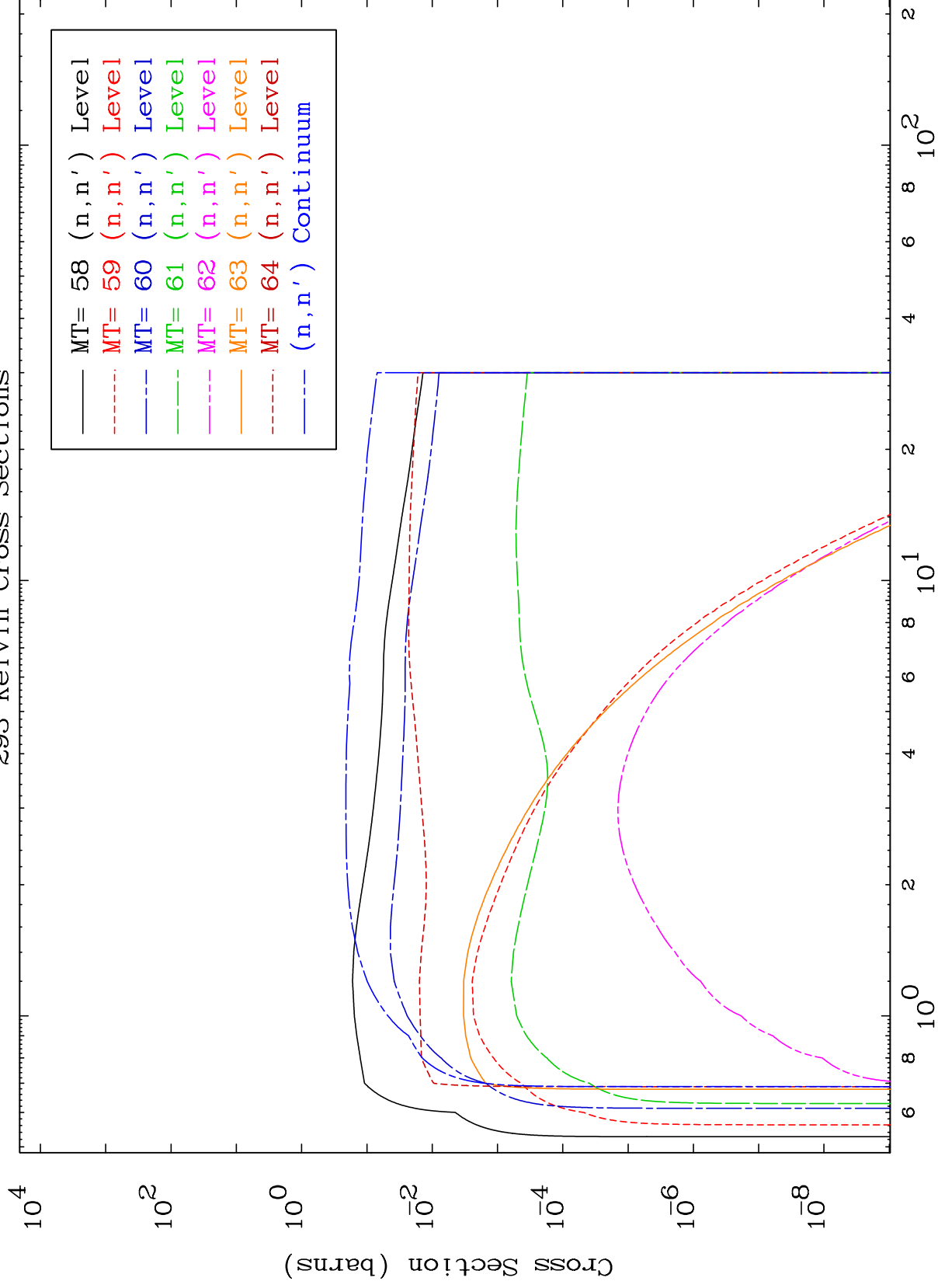
71-Lu-154

MAT 7062

(n,n') Level

71-Lu-154

293 Kelvin Cross Sections

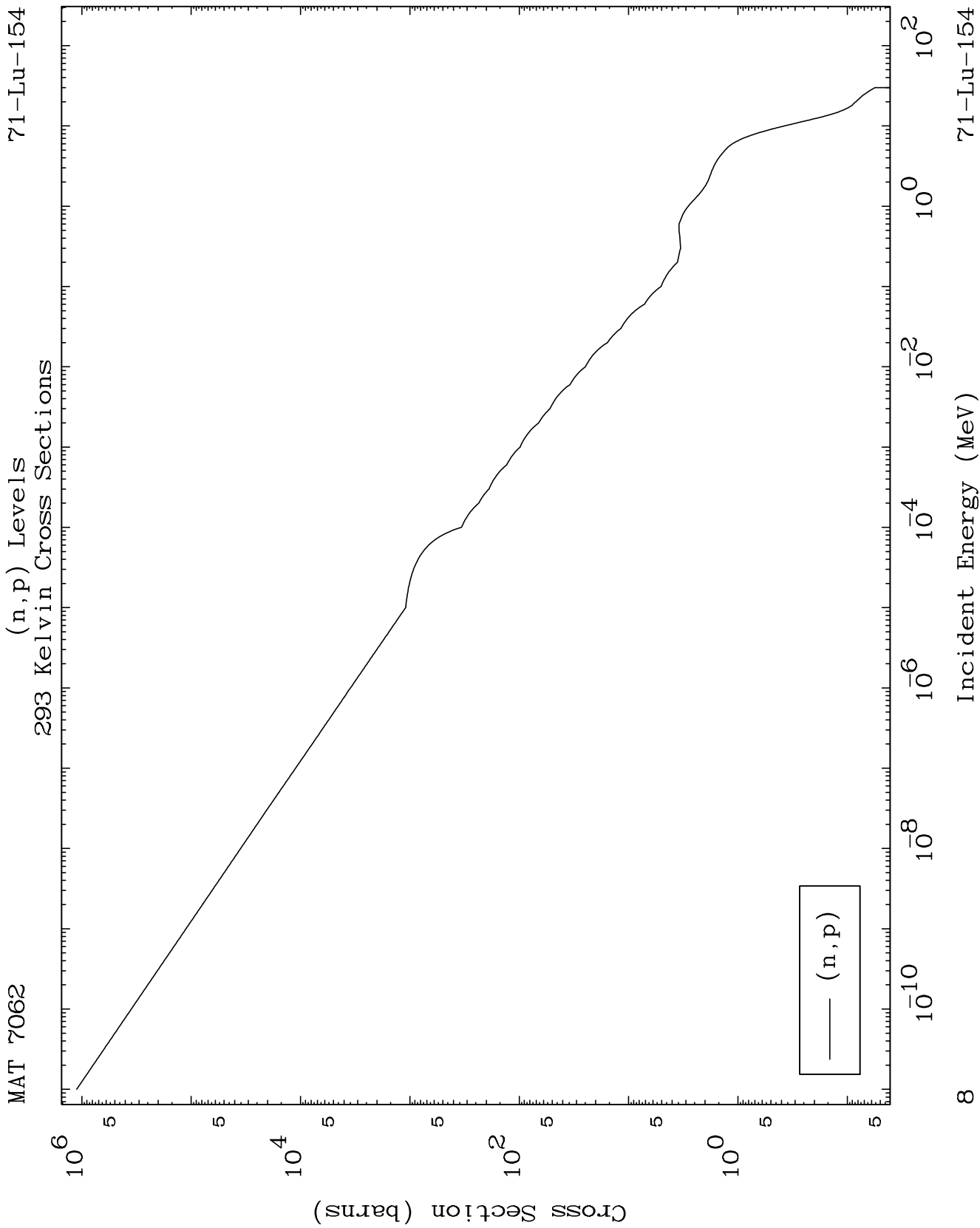


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Incident Energy (MeV)

71-Lu-154

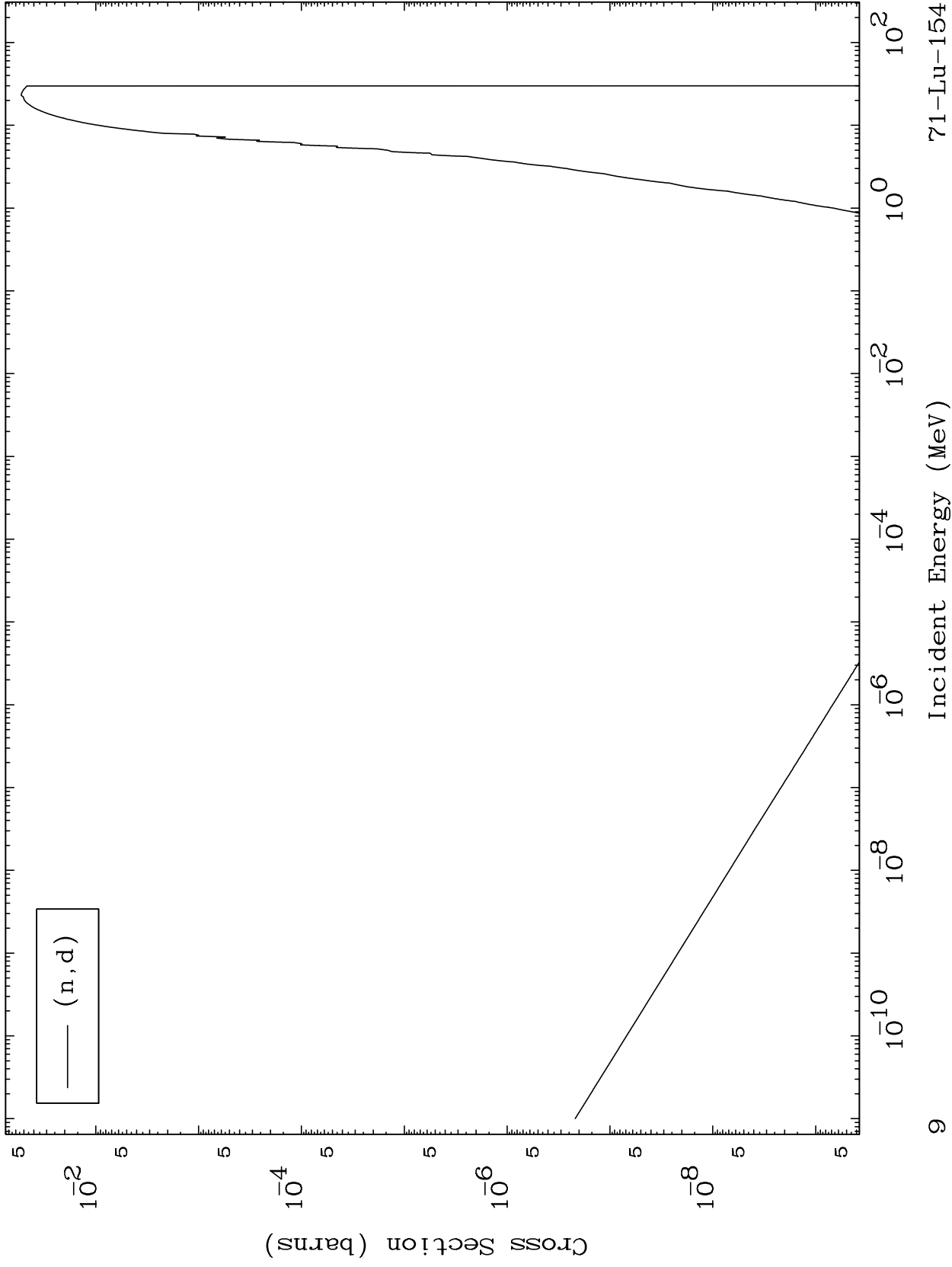




MAT 7062

(n,d) Levels  
293 Kelvin Cross Sections

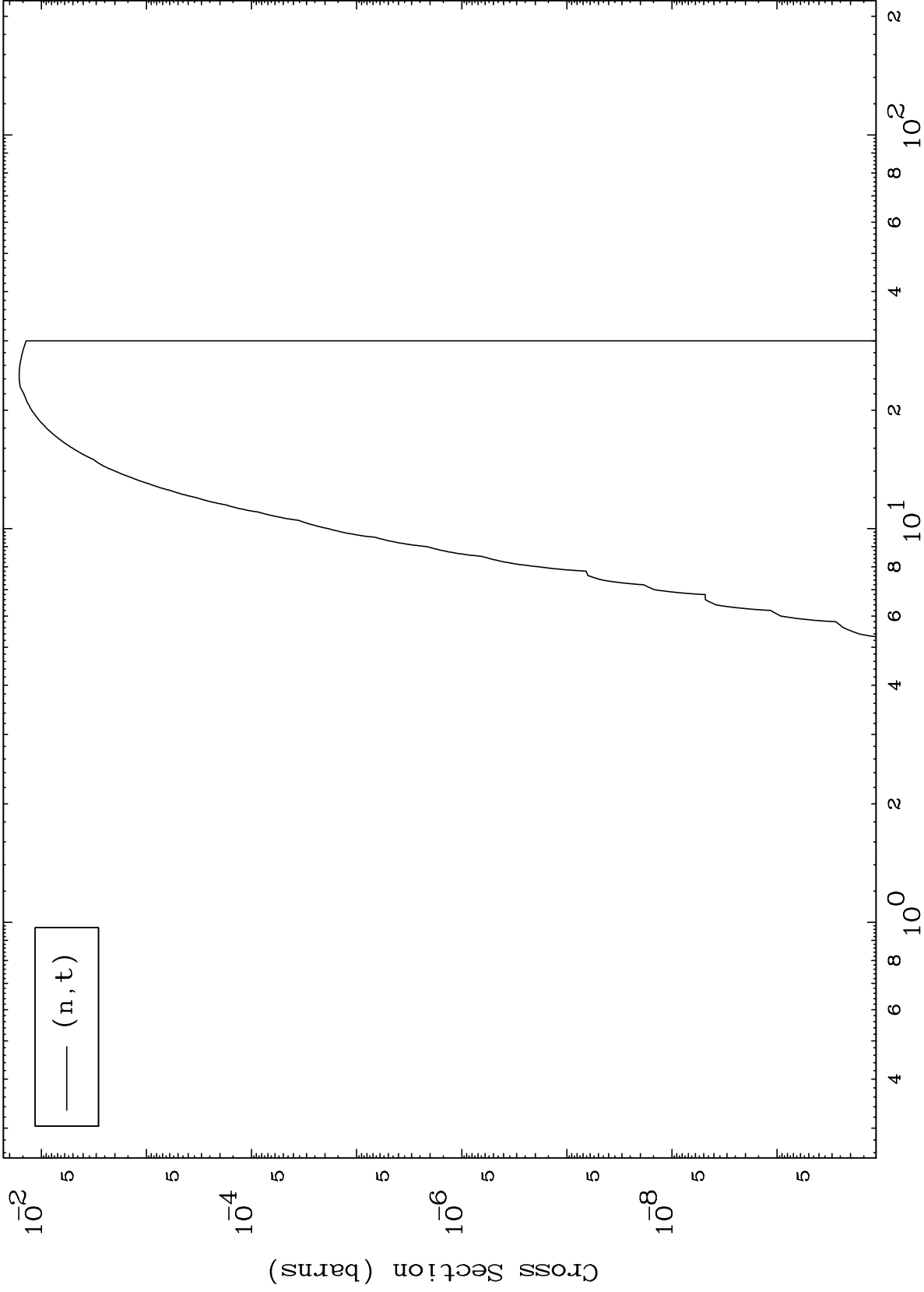
71-Lu-154



MAT 7062

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-154



10

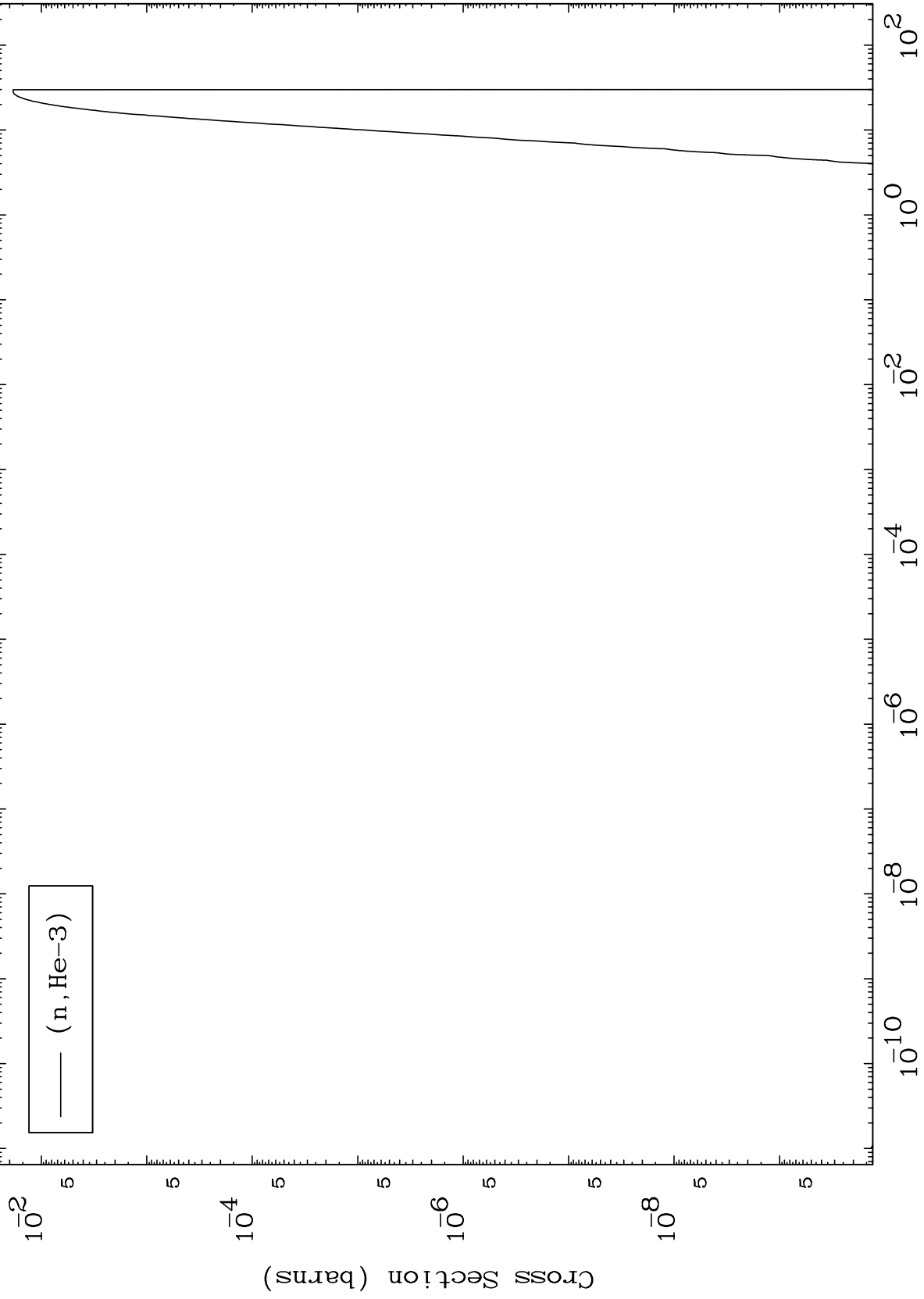
Incident Energy (MeV)

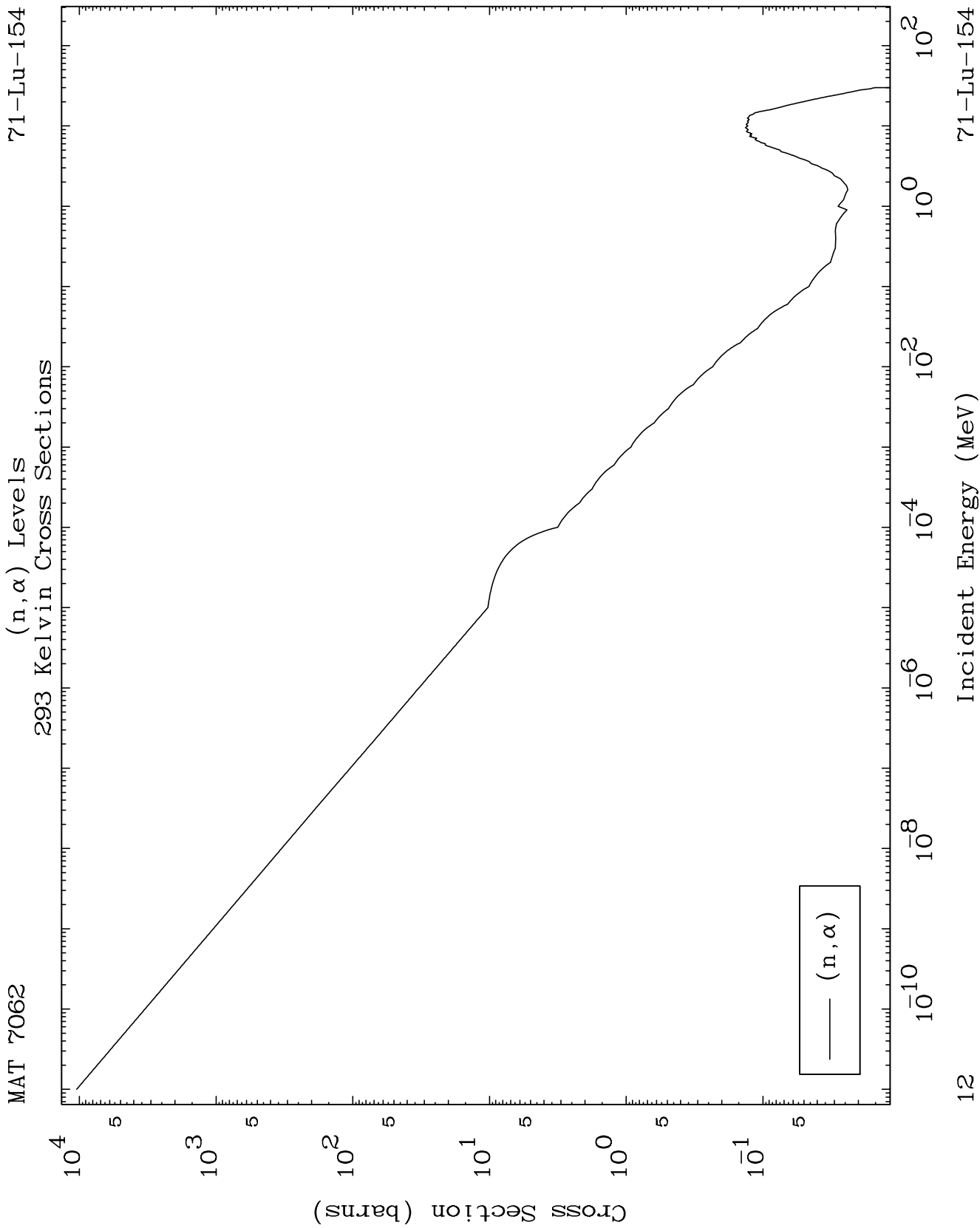
71-Lu-154

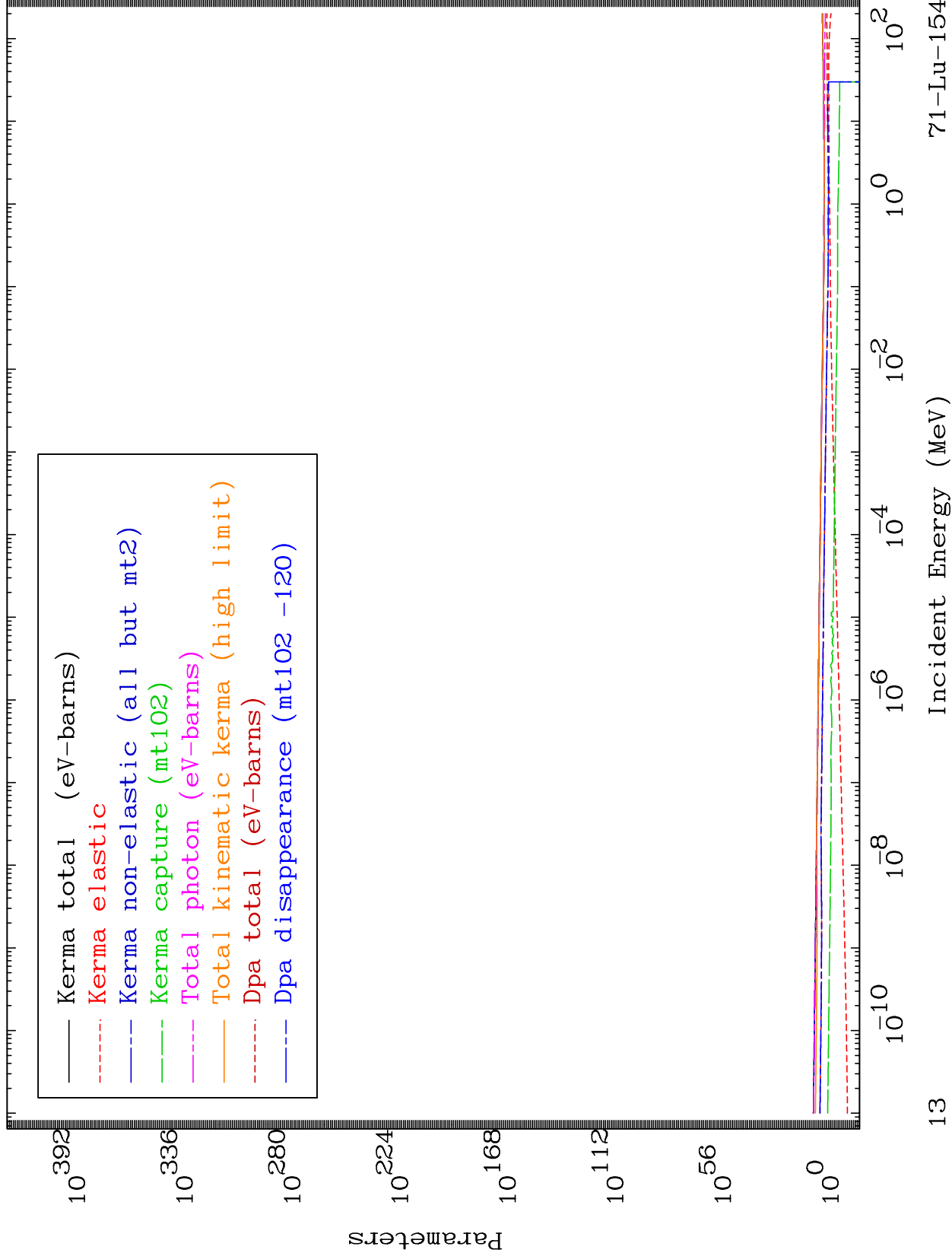
MAT 7062

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-154



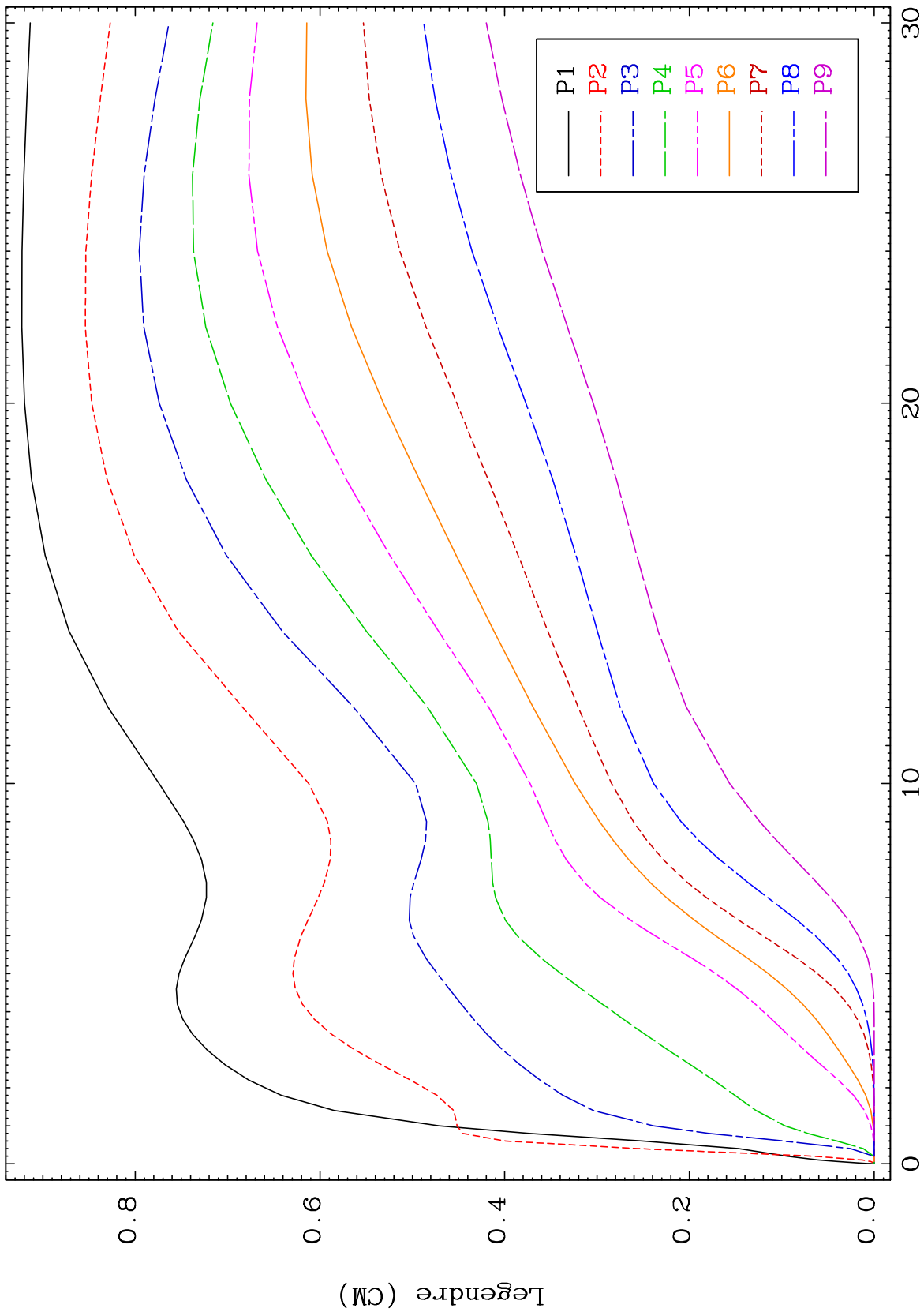




MAT 7062

71-Lu-154

Elastic Legendre Coefficients



71-Lu-154

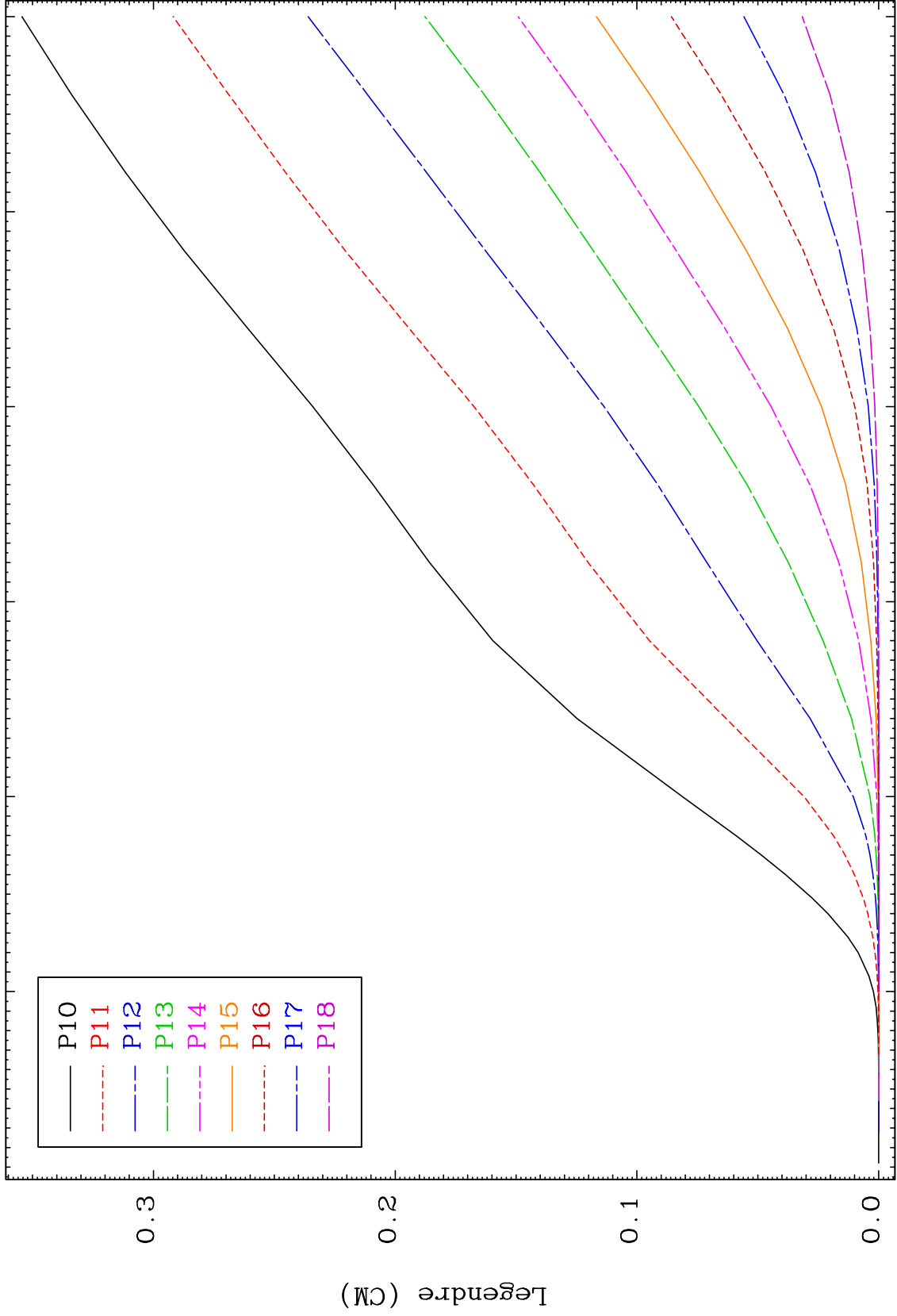
Incident Energy (MeV)

14

MAT 7062

Elastic Legendre Coefficients

<sup>71</sup>Lu-154



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Incident Energy (MeV)

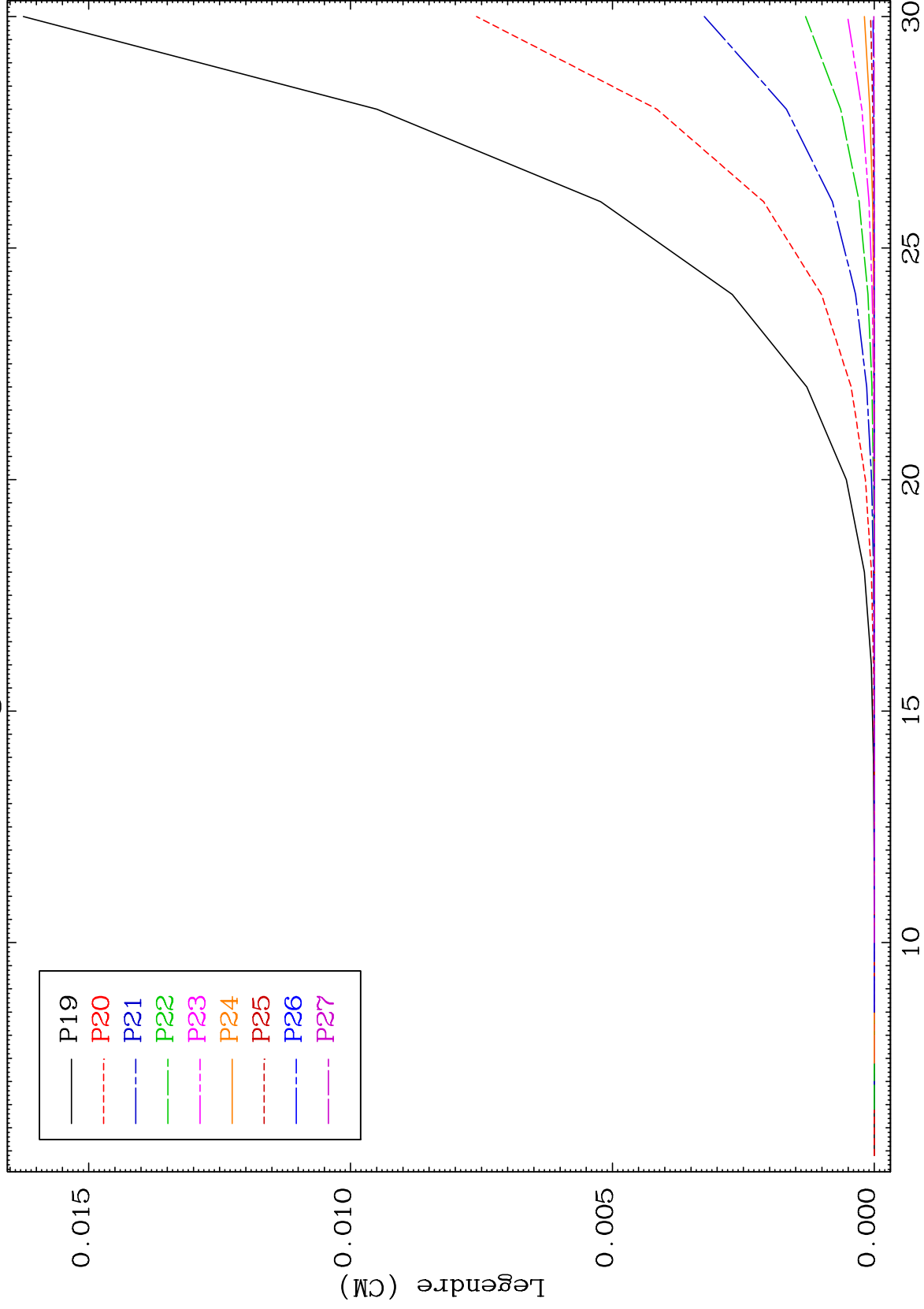
<sup>71</sup>Lu-154



MAT 7062

### Elastic Legendre Coefficients

71-Lu-154



16

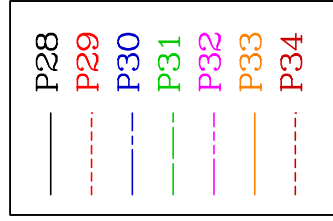
Incident Energy (MeV)

71-Lu-154

MAT 7062

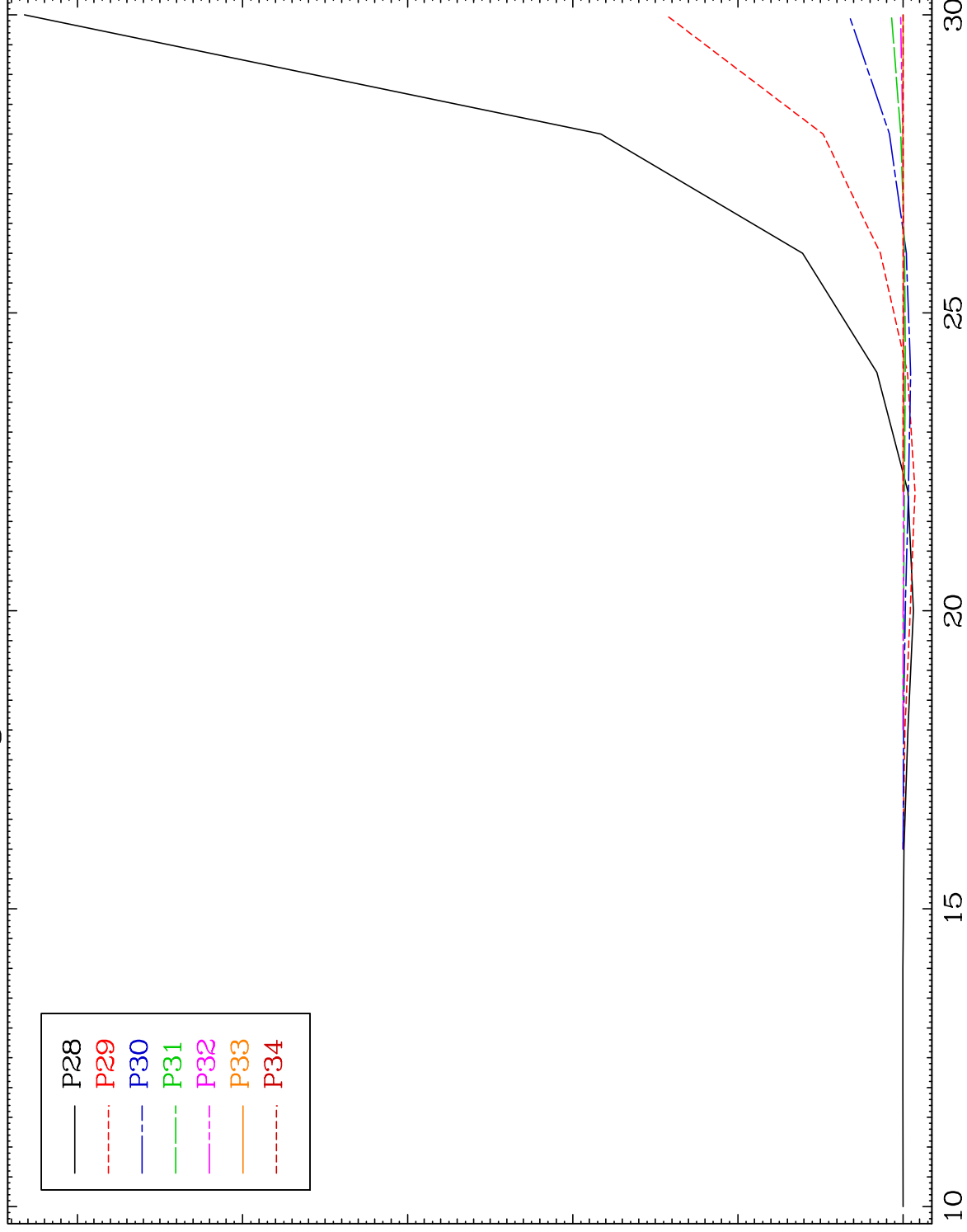
Elastic  
Legendre Coefficients

71-Lu-154



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

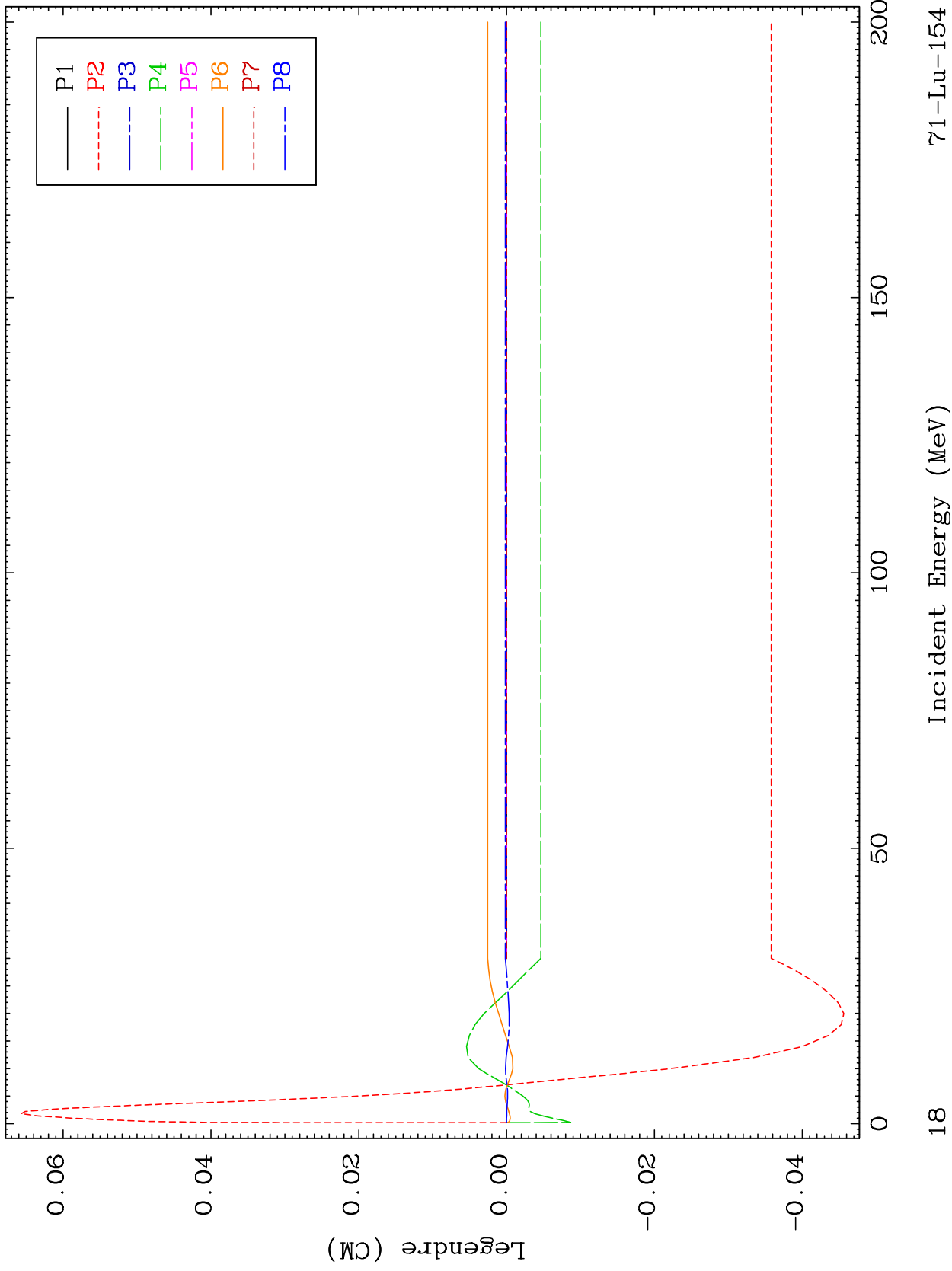
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



71-Lu-154

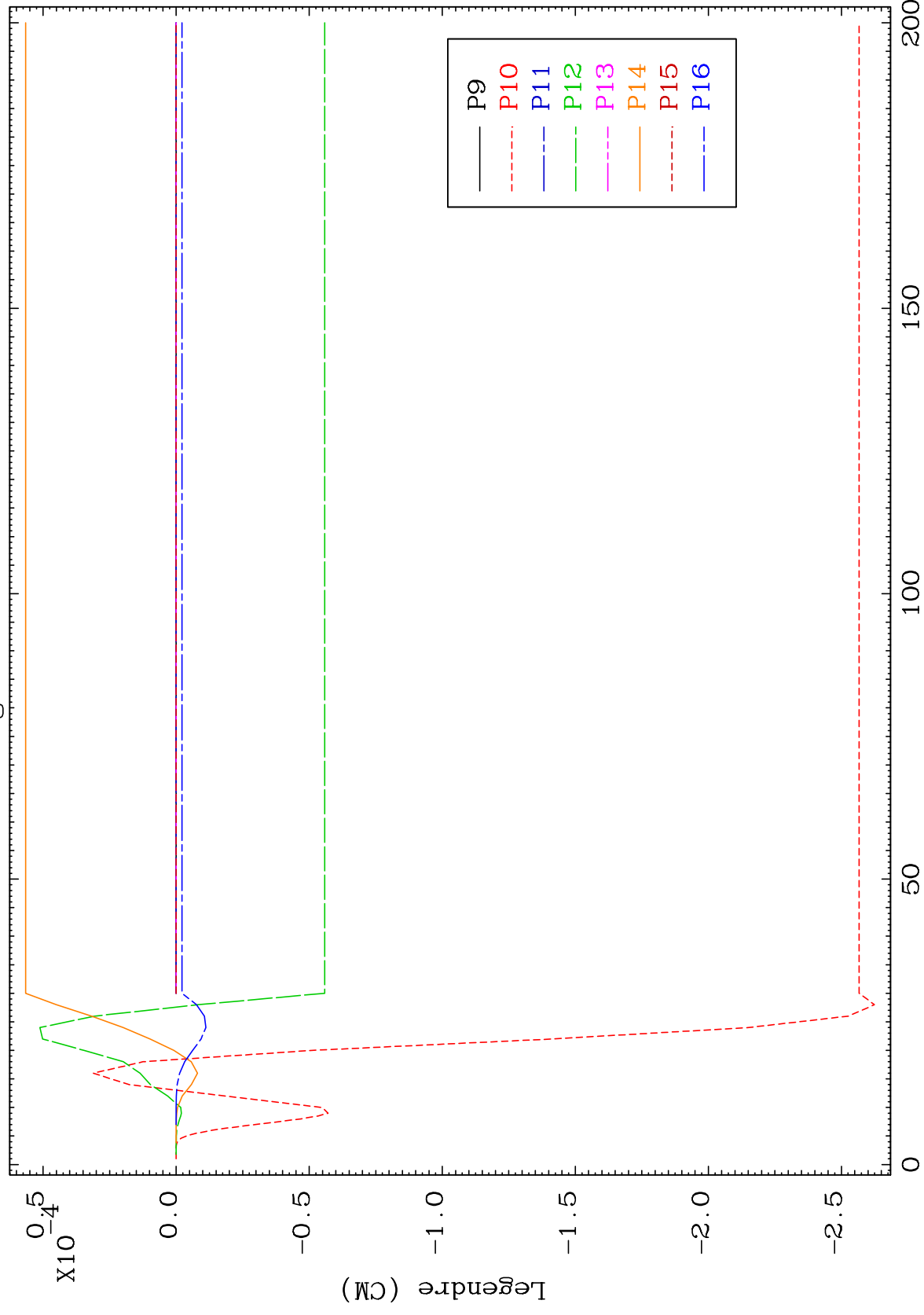
Incident Energy (MeV)

18

MAT 7062

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

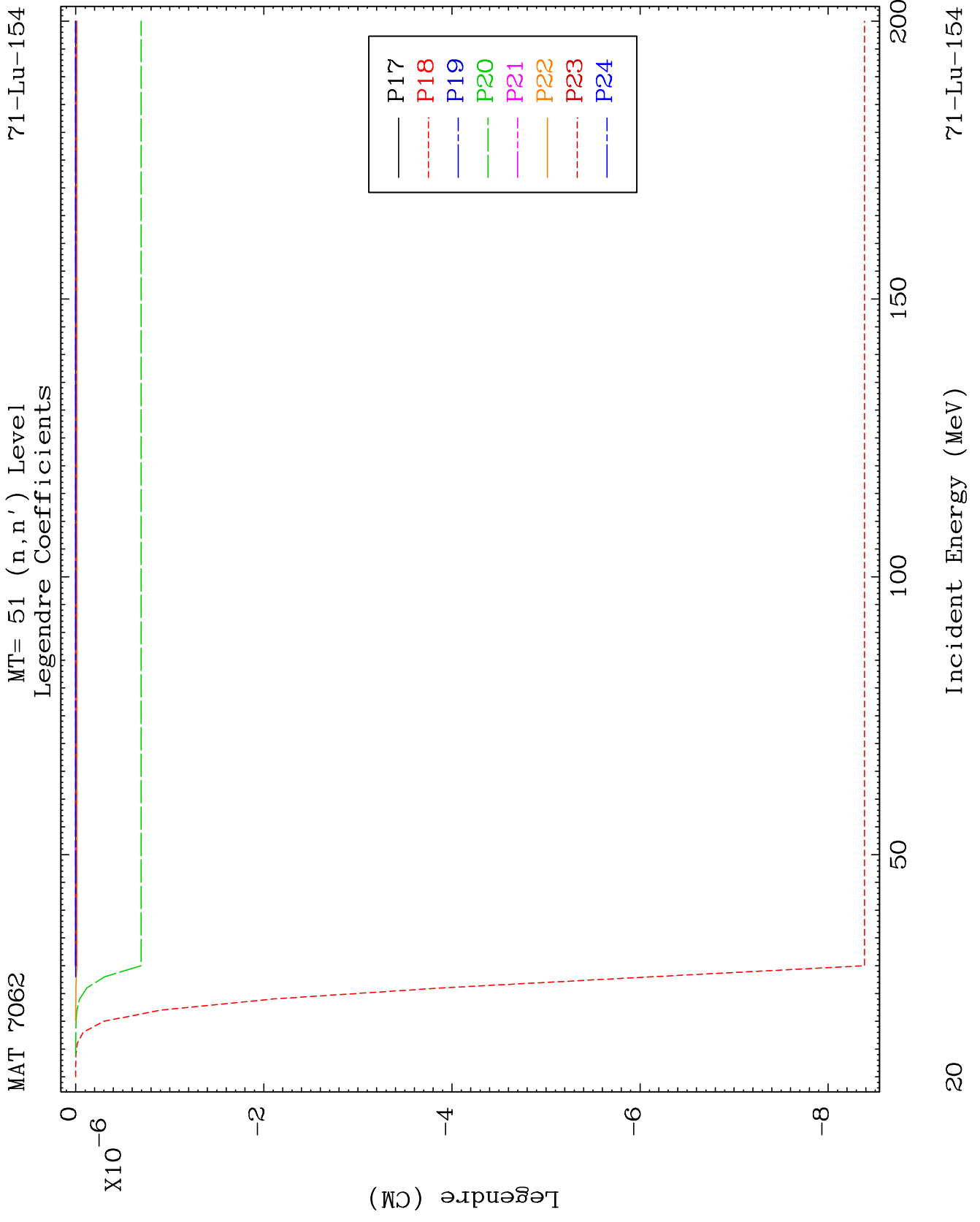
71-Lu-154



19

Incident Energy (MeV)

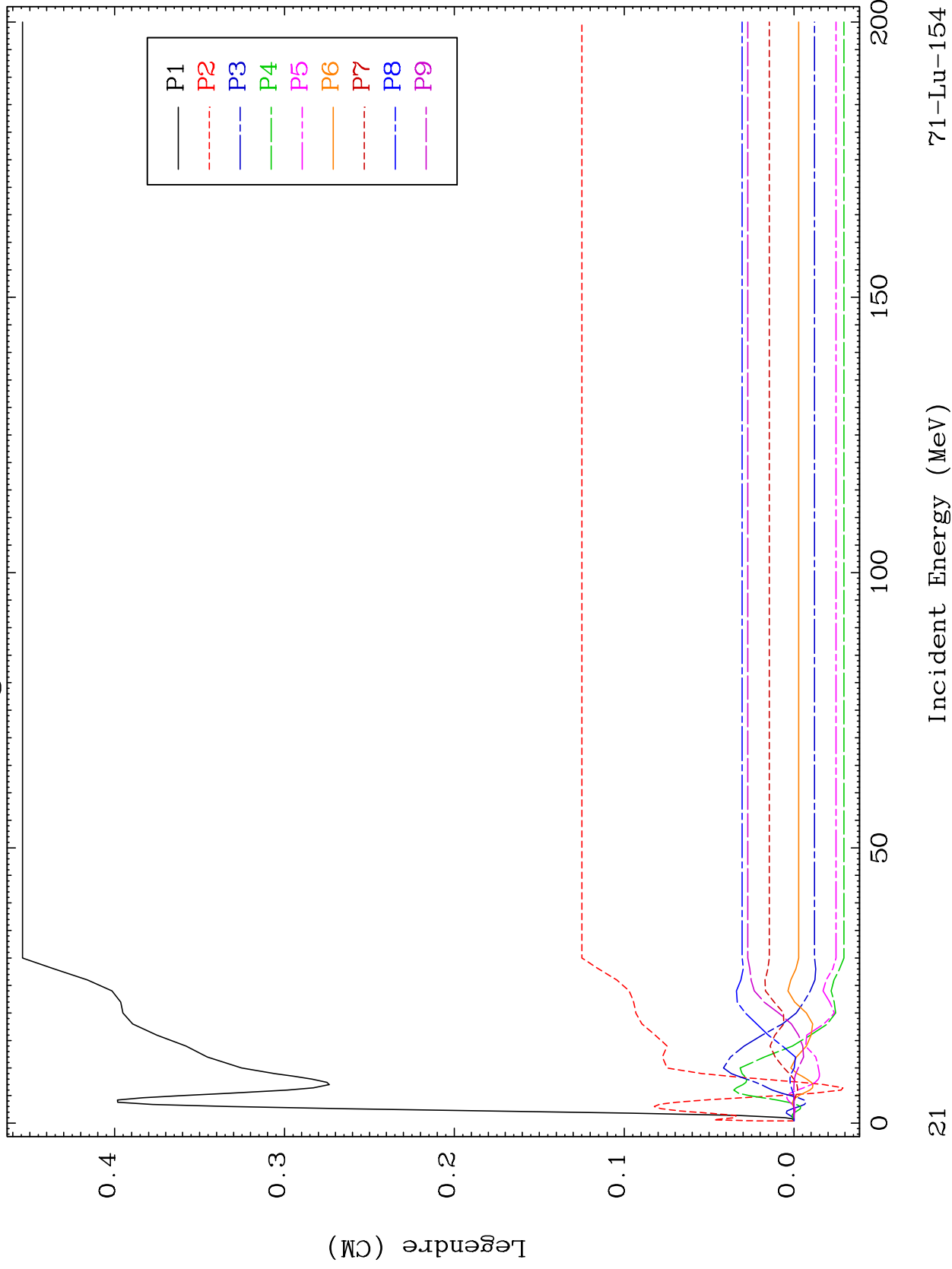
71-Lu-154



MAT 7062

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

71-Lu-154



21

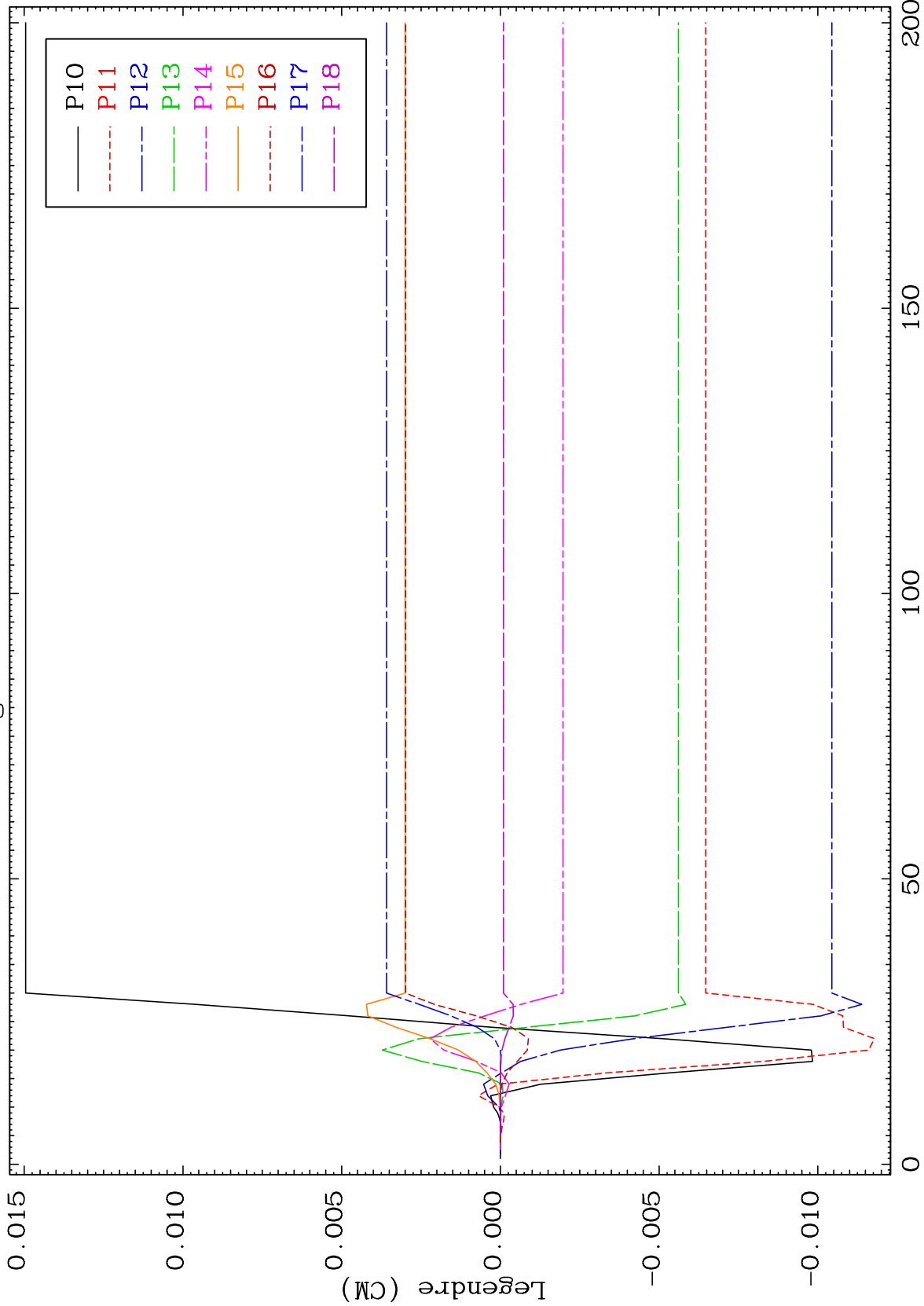
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

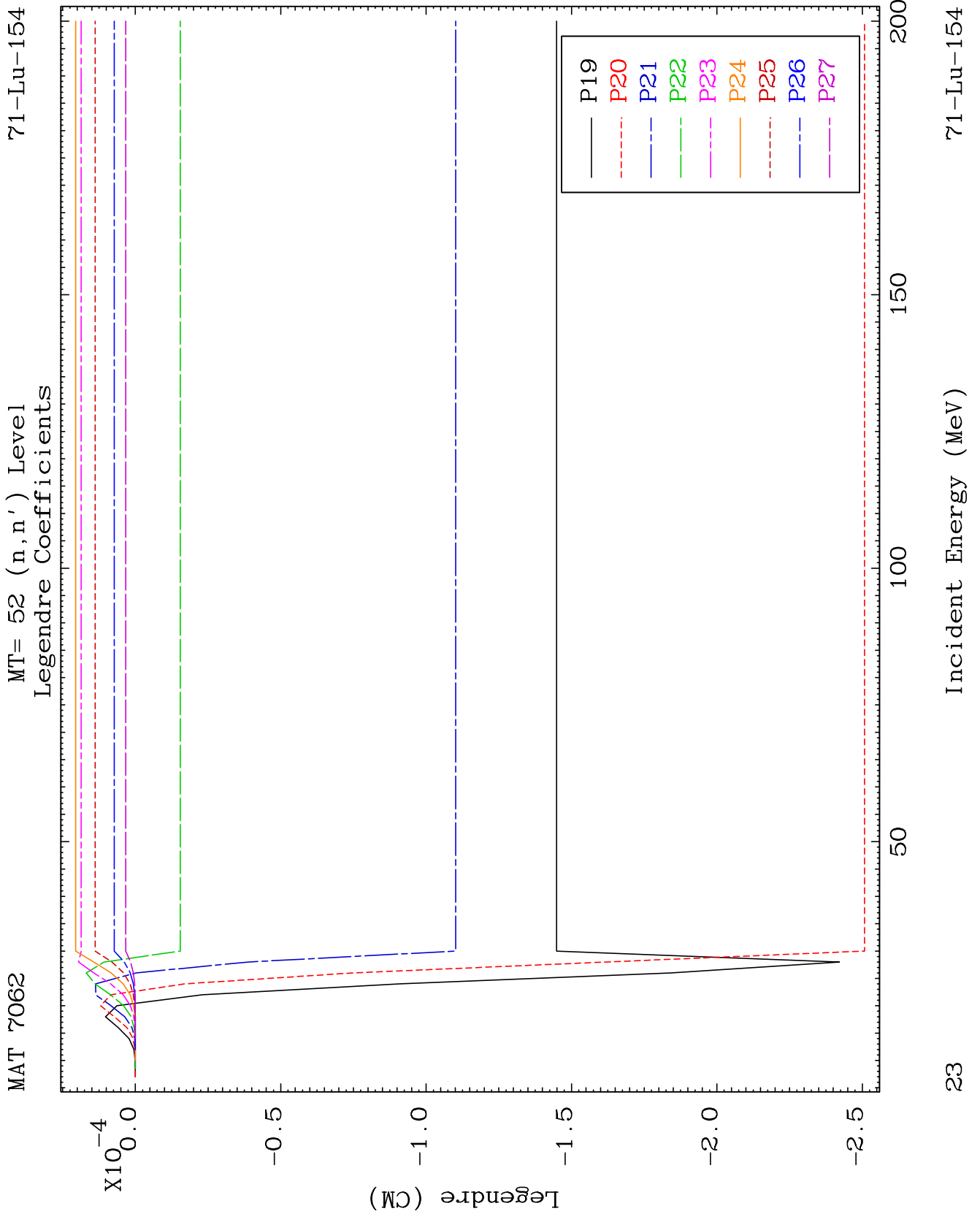
71-Lu-154



22

Incident Energy (MeV)

71-Lu-154

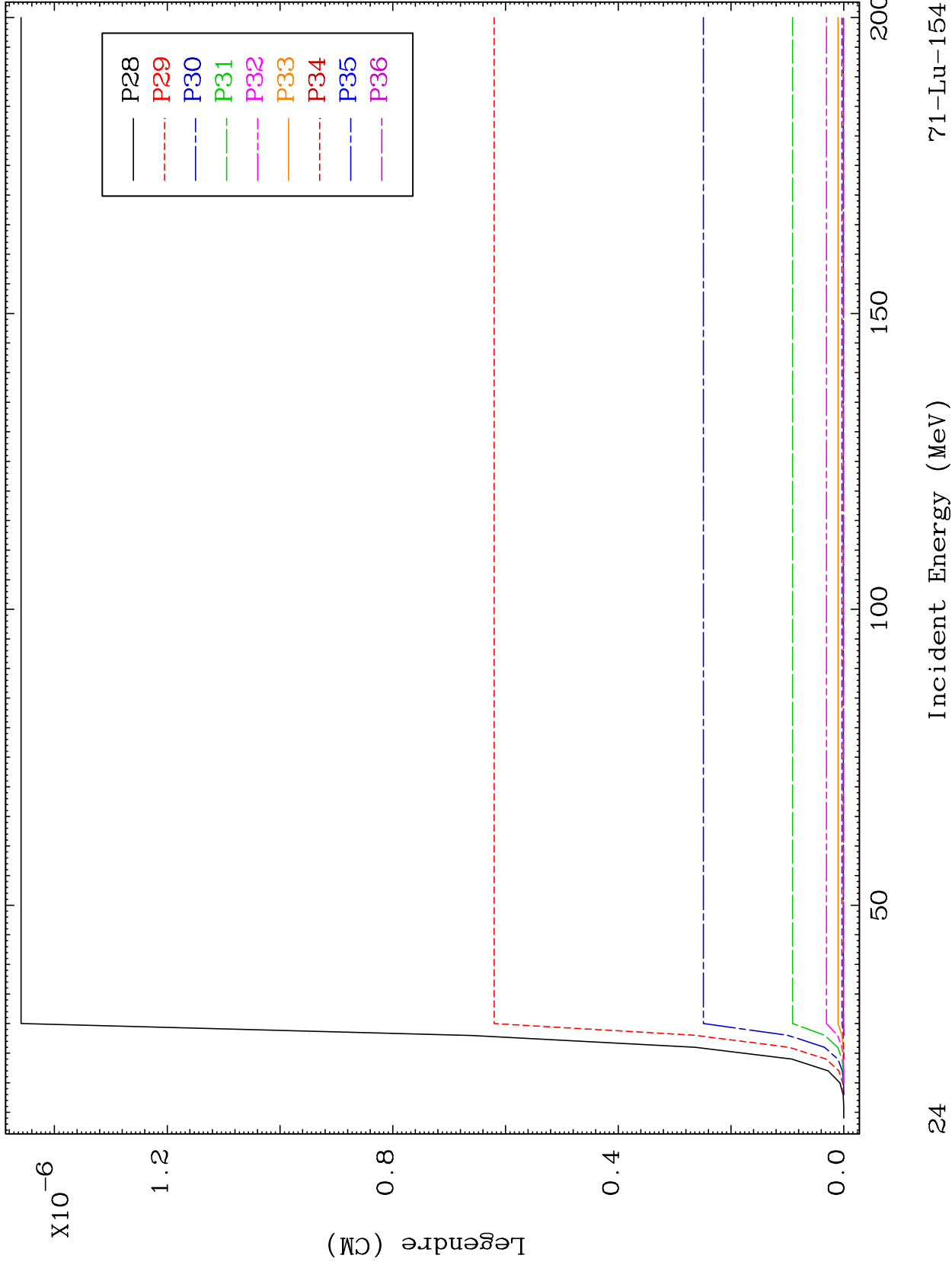




MAT 7062

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

71-Lu-154



24

Incident Energy (MeV)

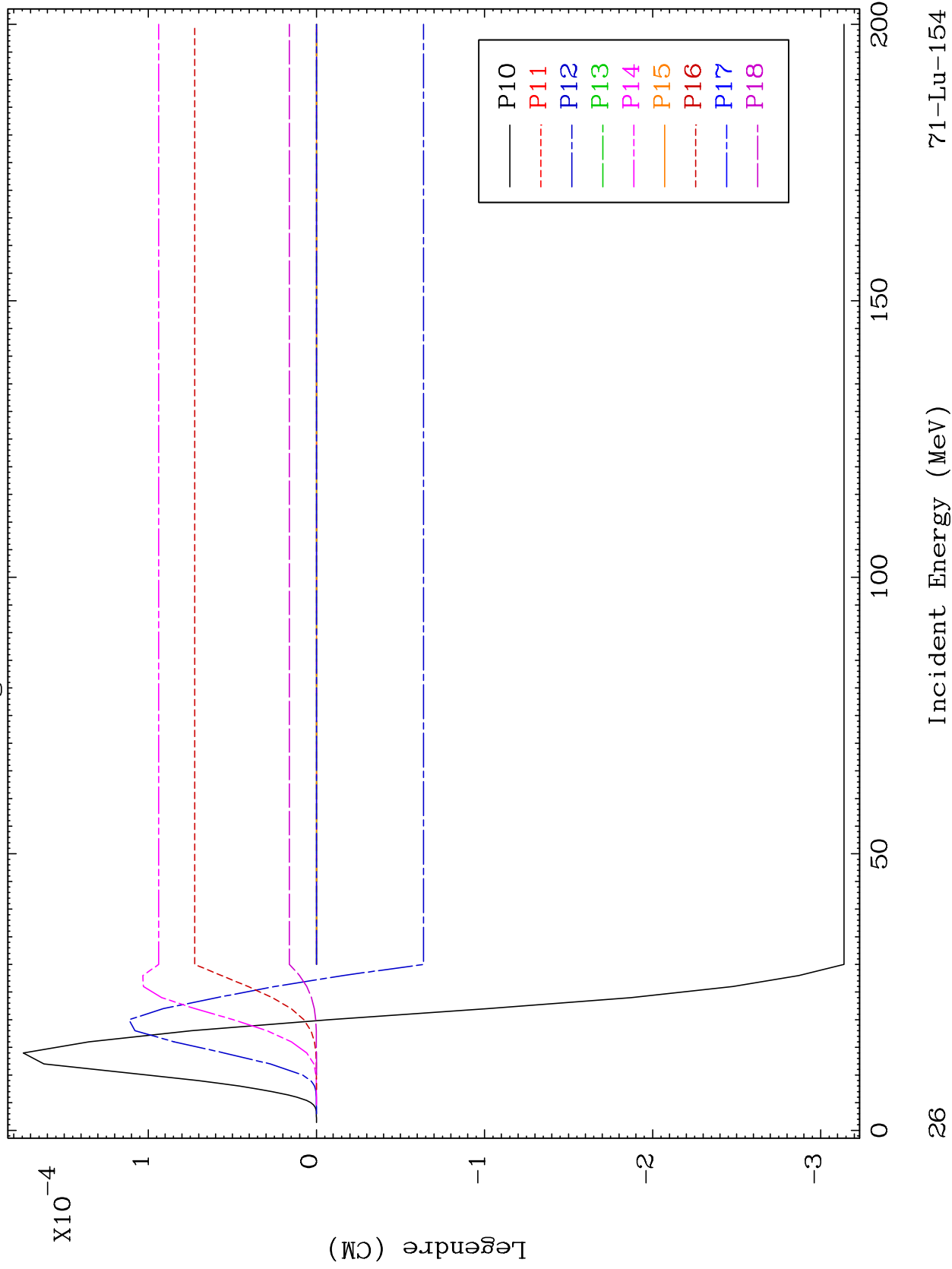
71-Lu-154



MAT 7062

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

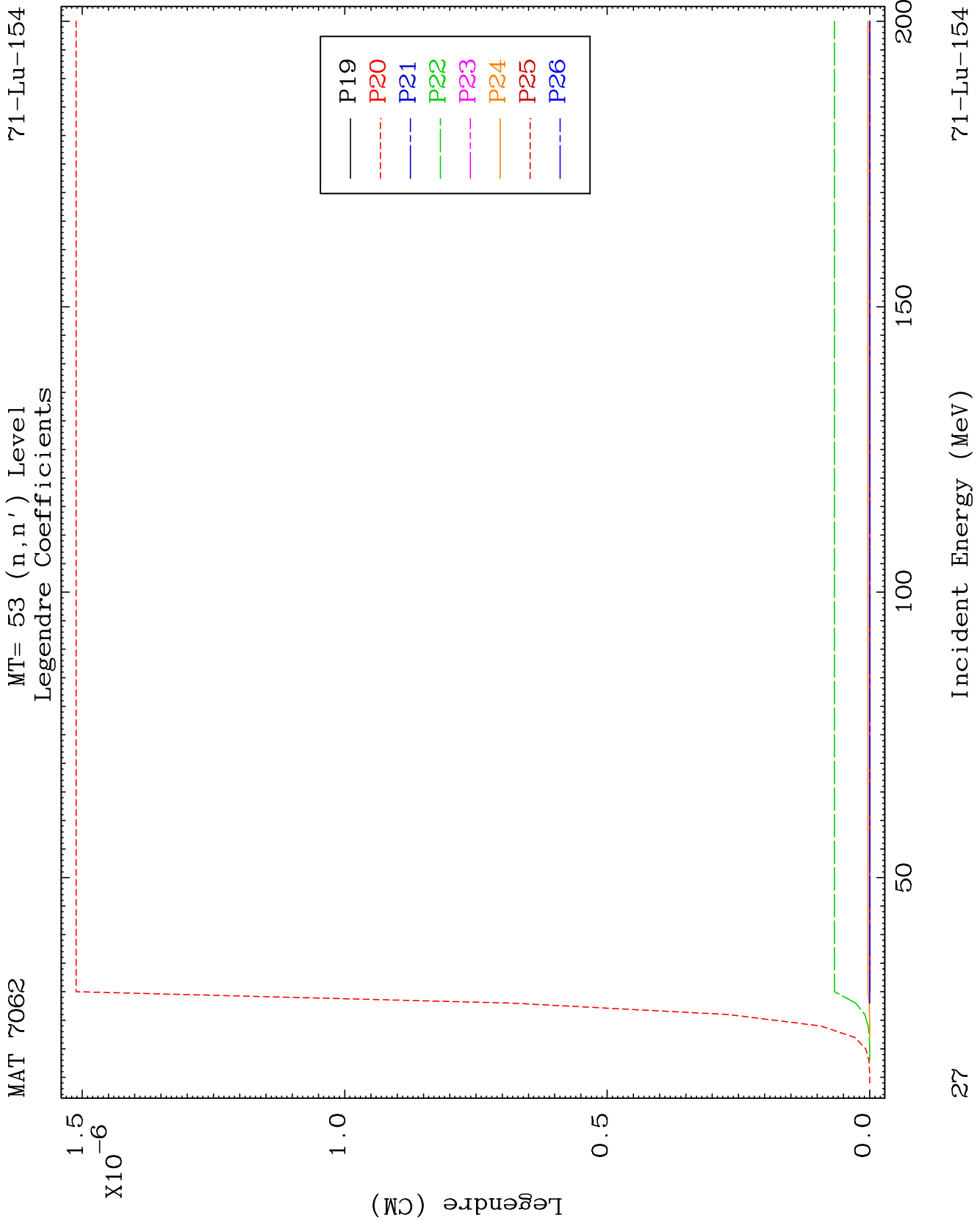
71-Lu-154



26

Incident Energy (MeV)

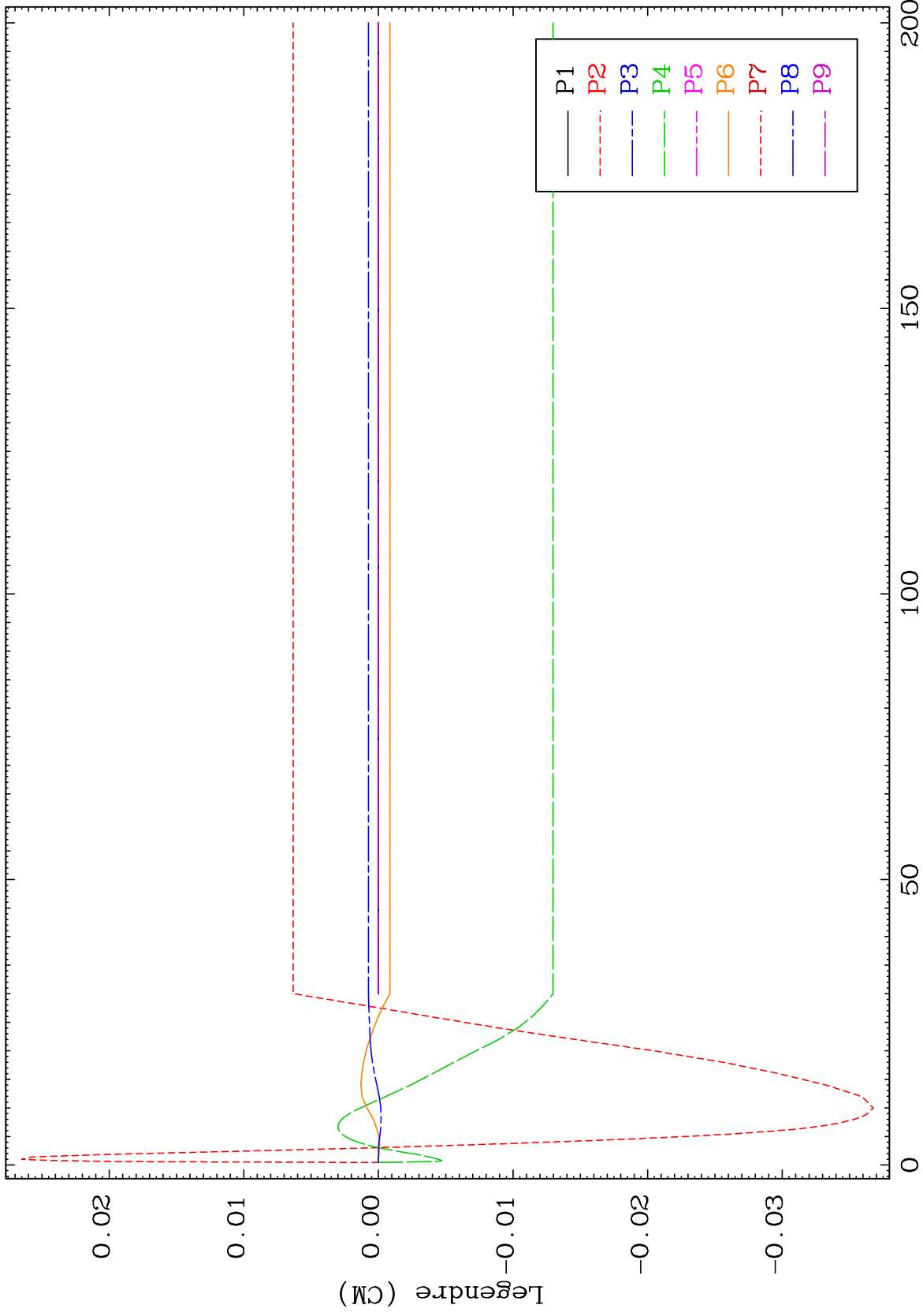
71-Lu-154



MAT 7062

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

71-Lu-154



28

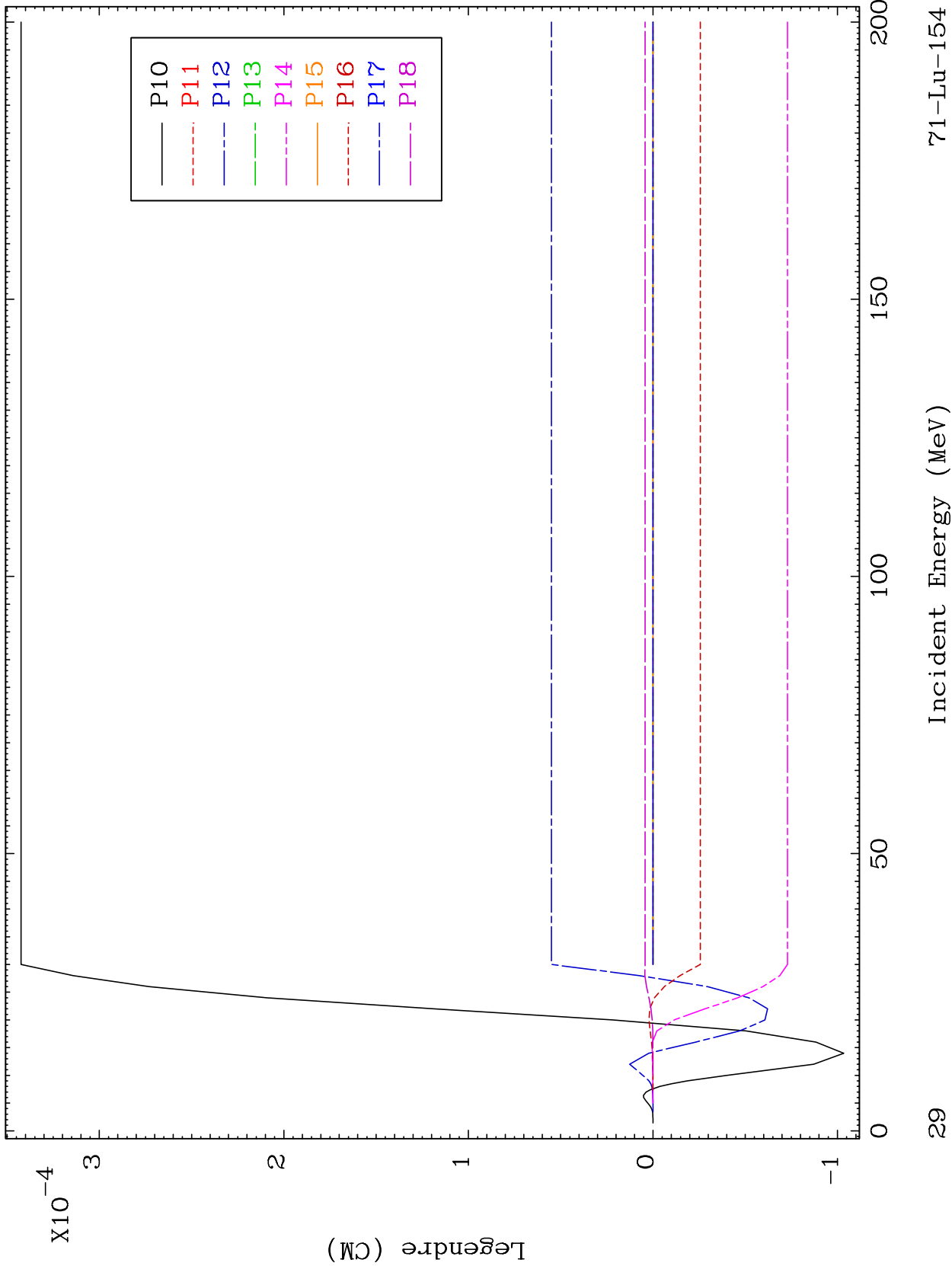
71-Lu-154

71-Lu-154

MAT 7062

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

71-Lu-154

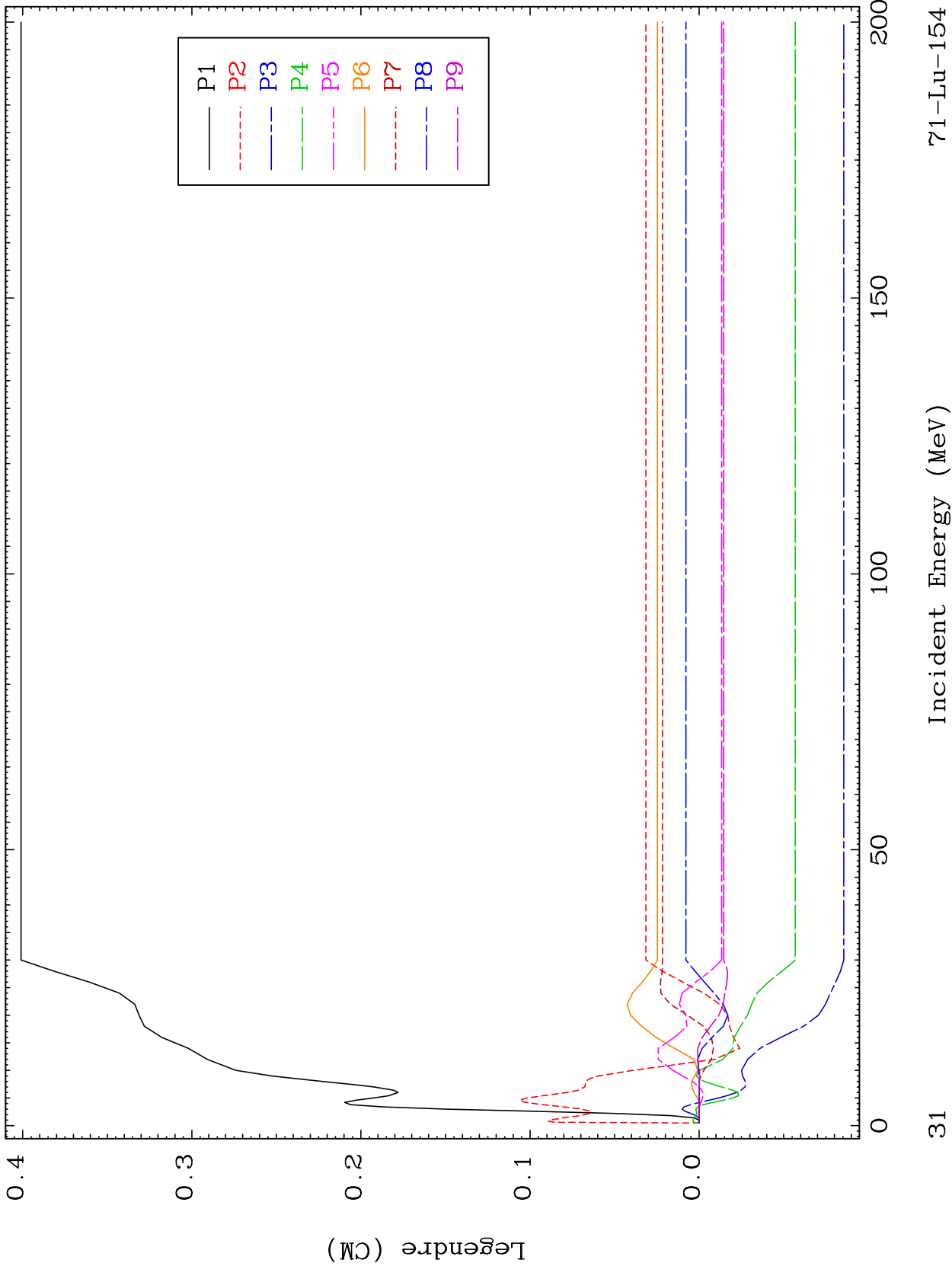


71-Lu-154

Incident Energy (MeV)

29



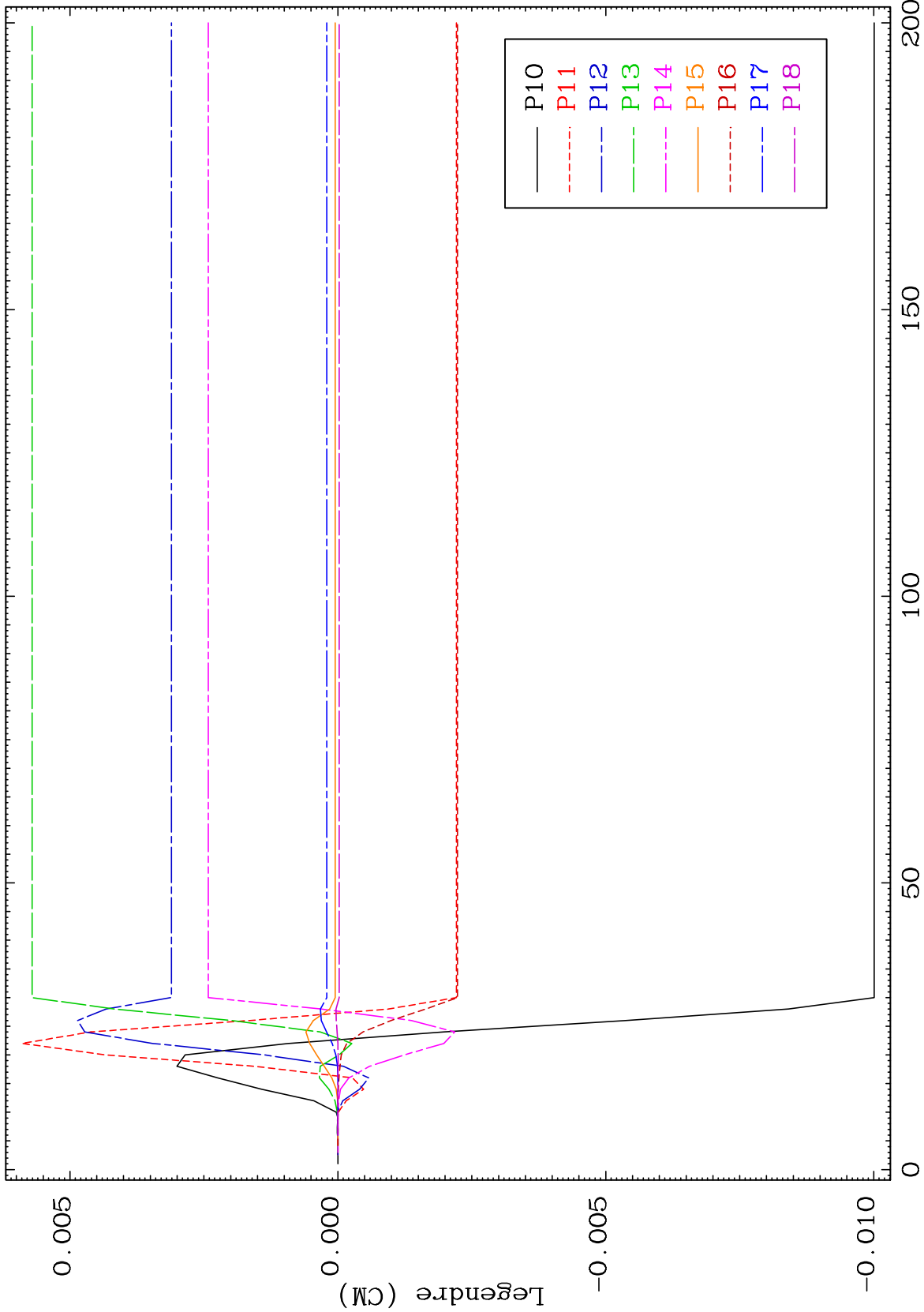




MAT 7062

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

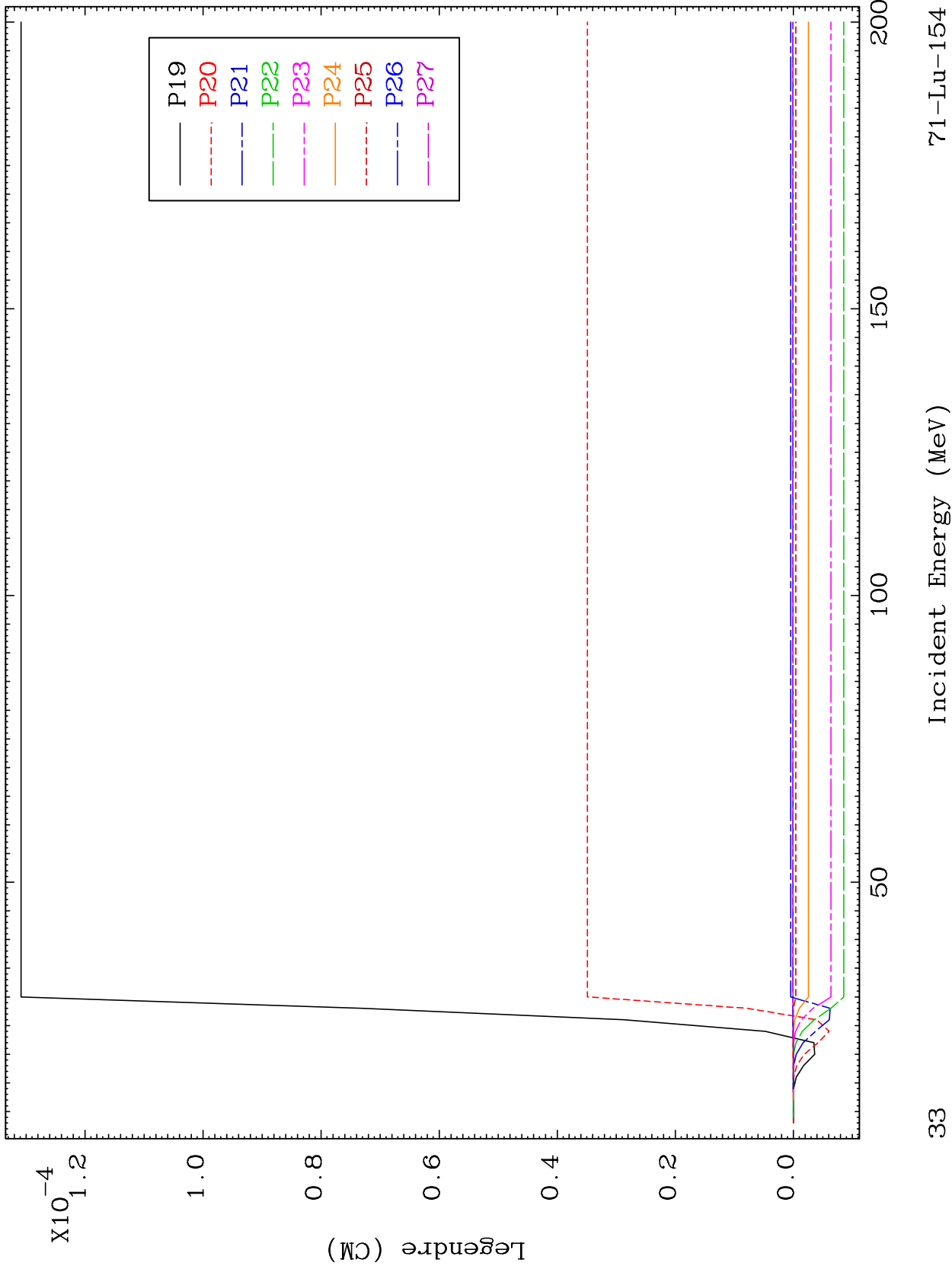
71-Lu-154



32

Incident Energy (MeV)

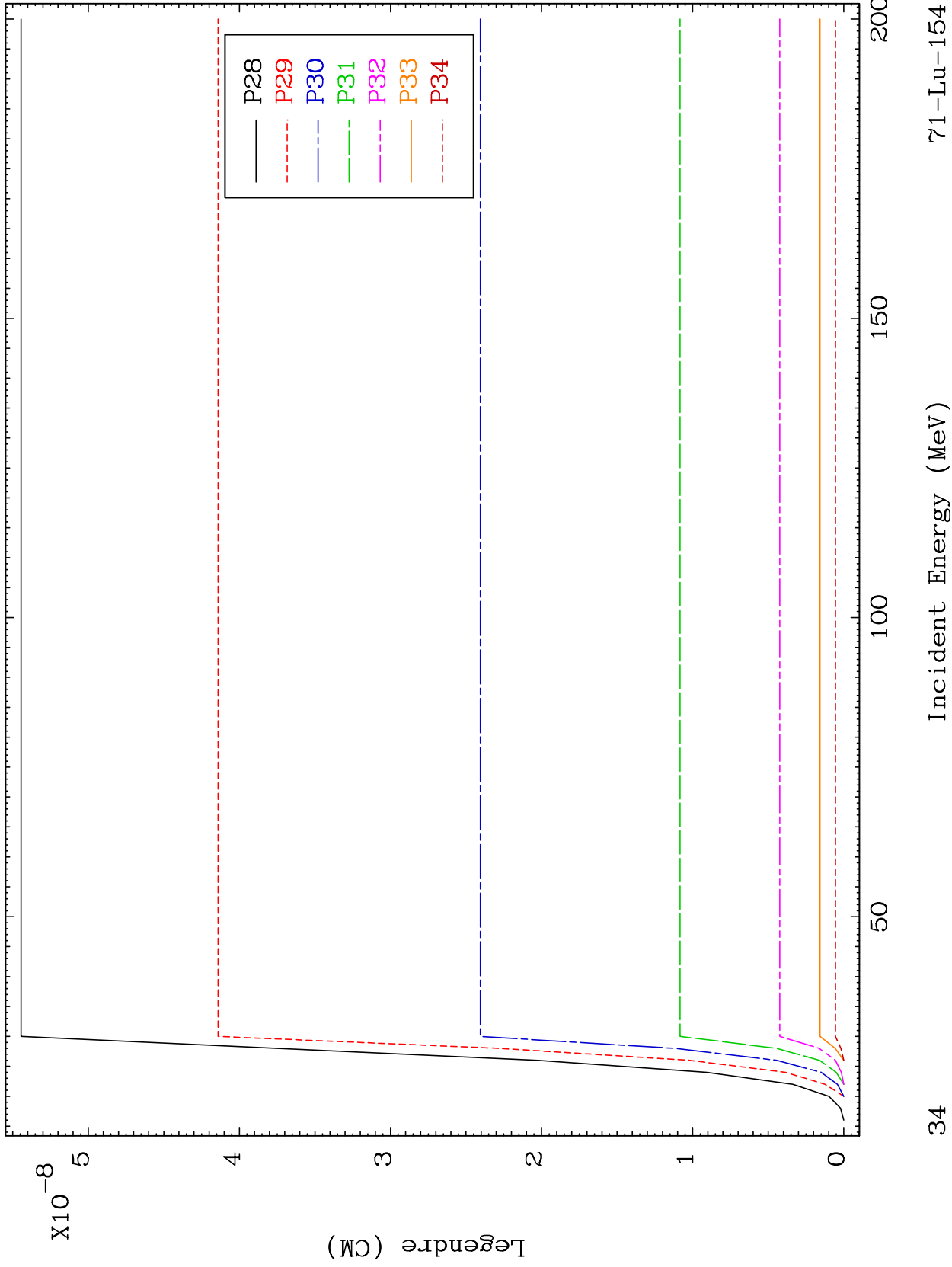
71-Lu-154



MAT 7062

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

71-Lu-154



34

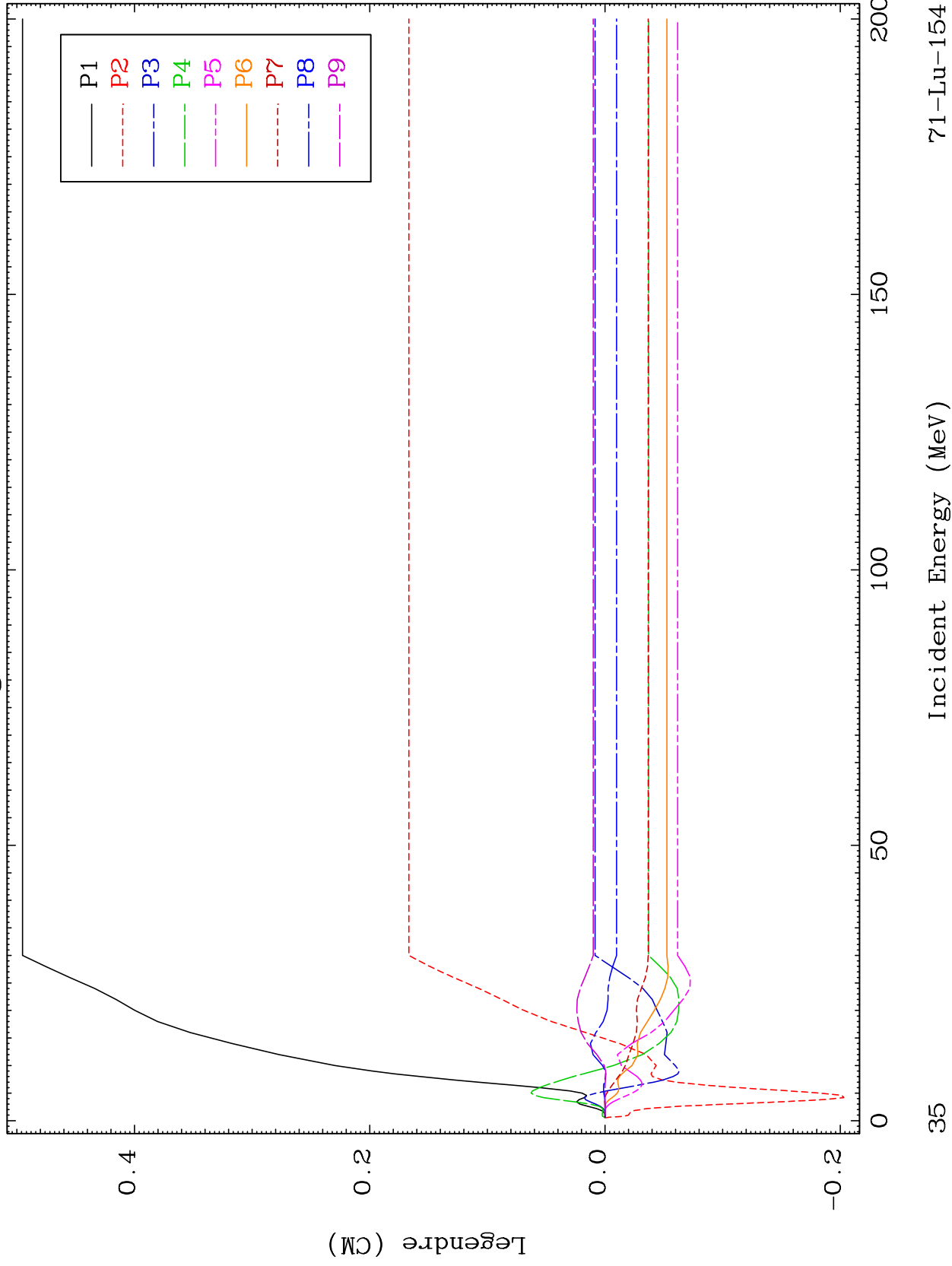
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154

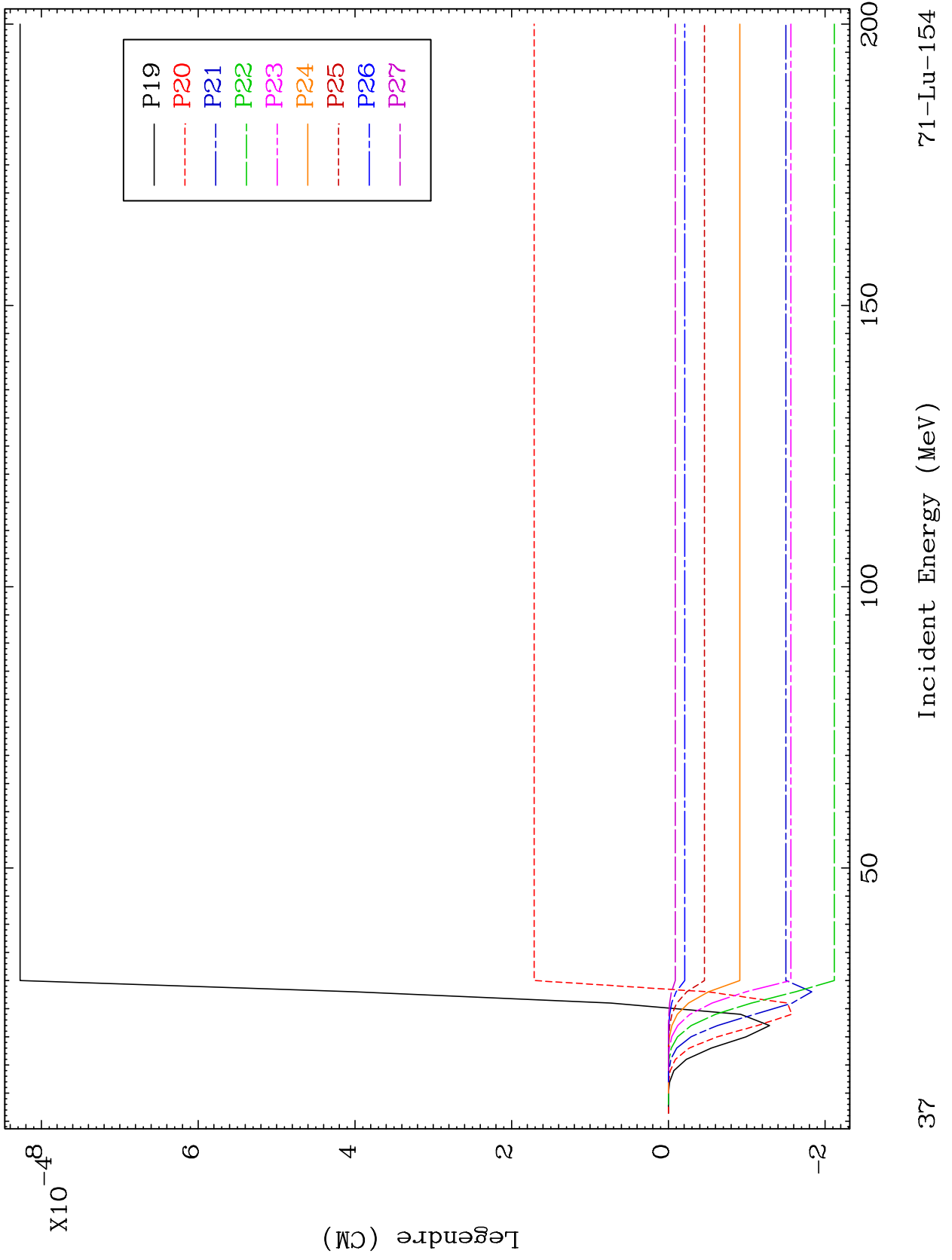


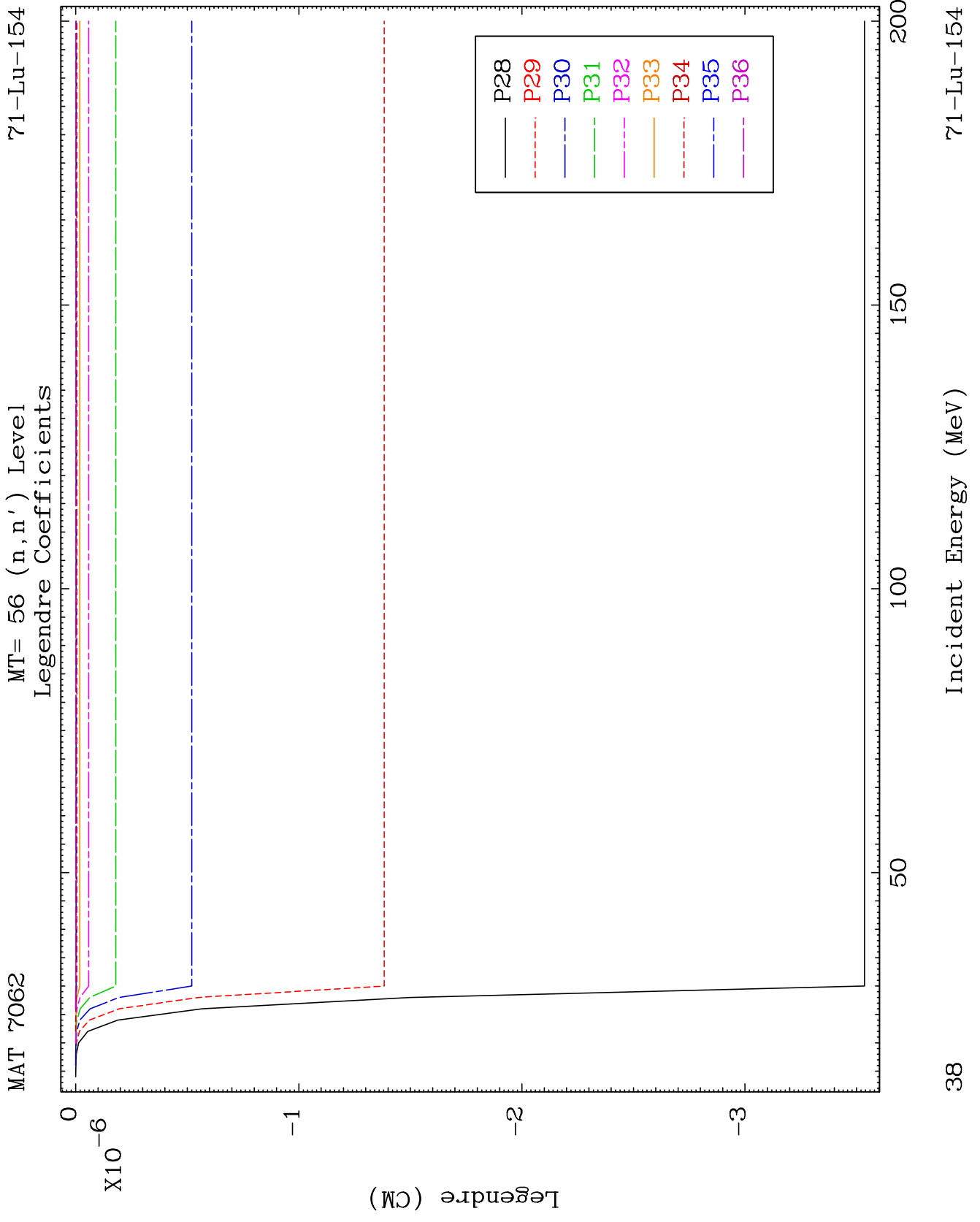
71-Lu-154

Incident Energy (MeV)

35







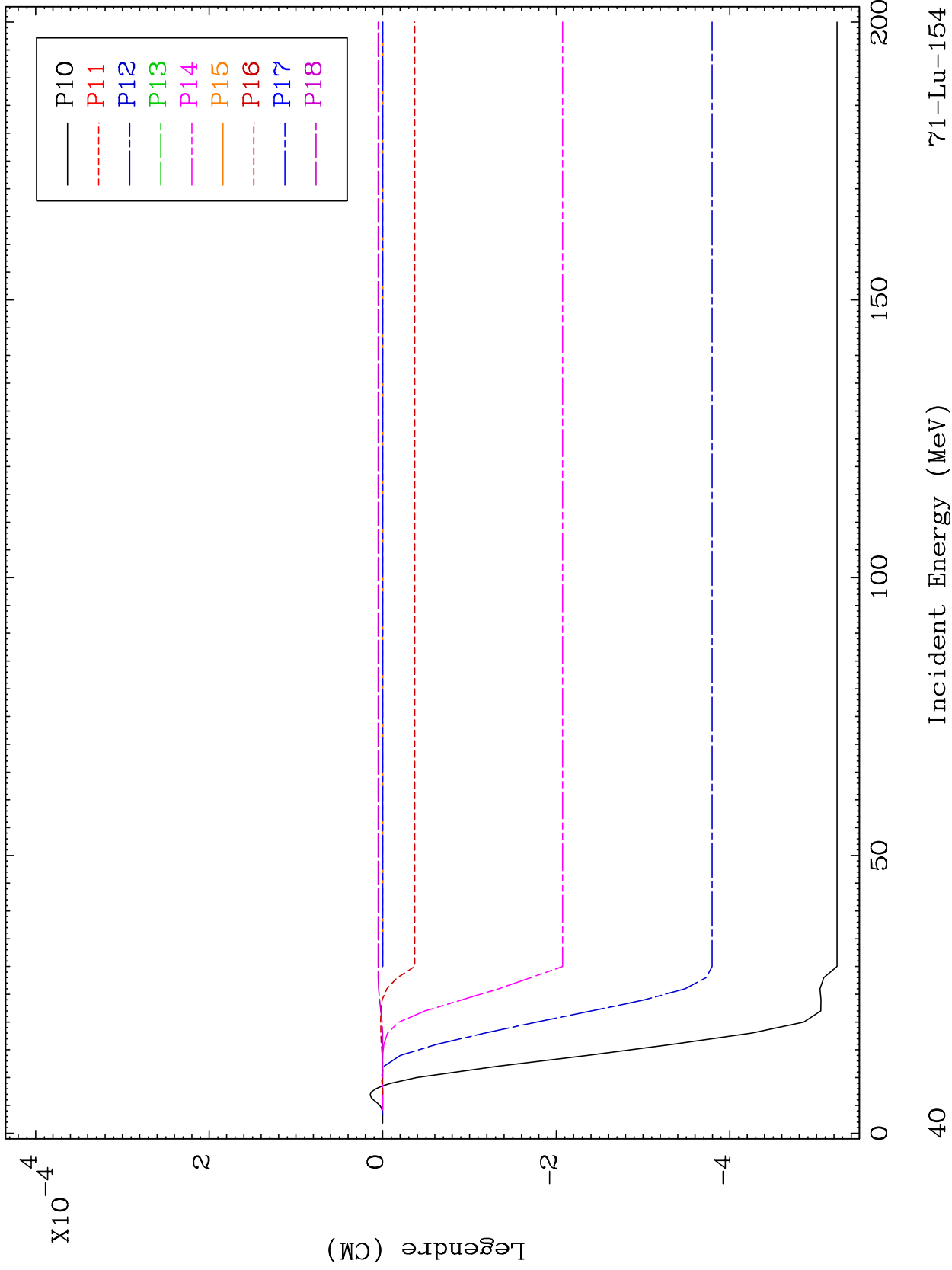


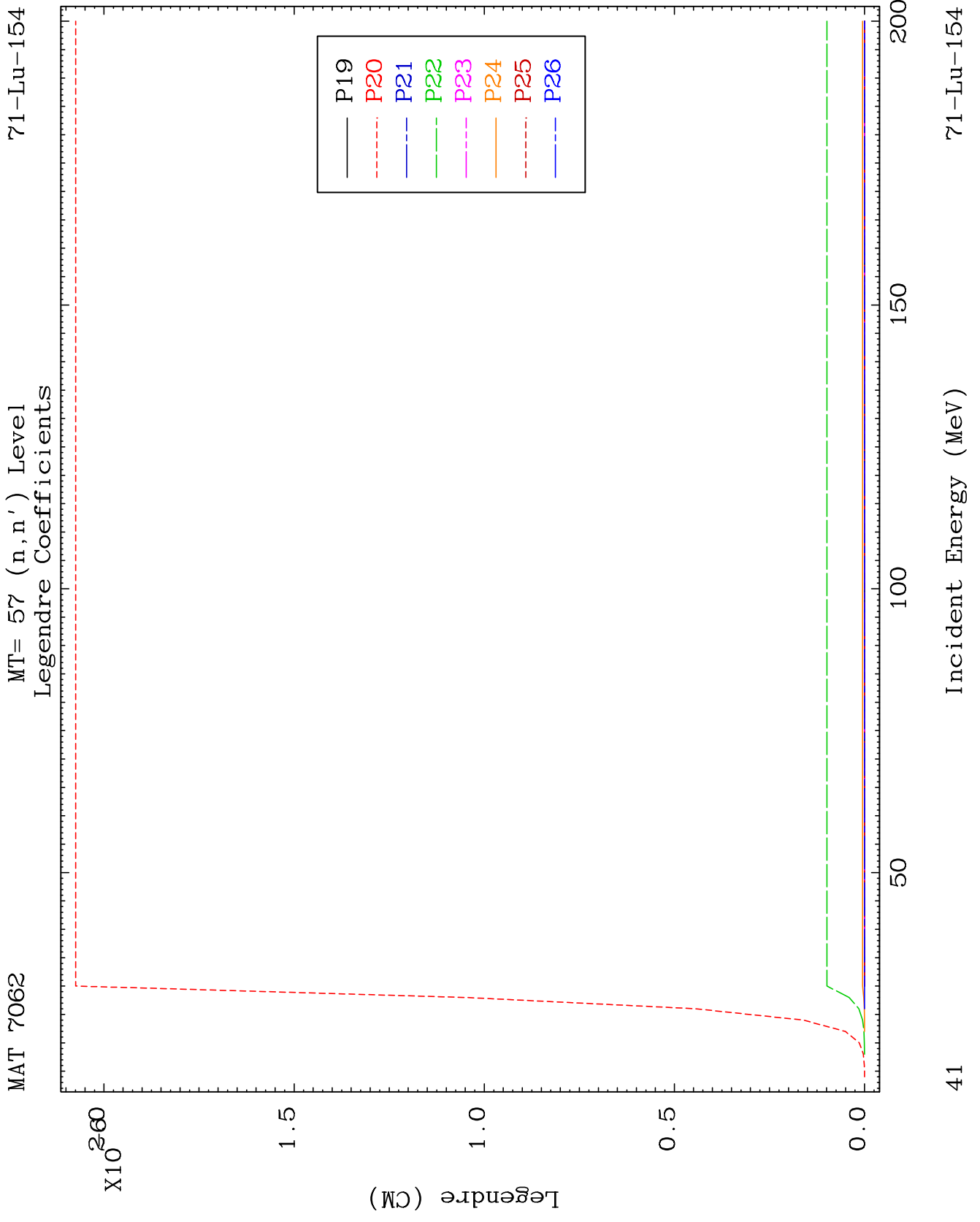


MAT 7062

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

71-Lu-154

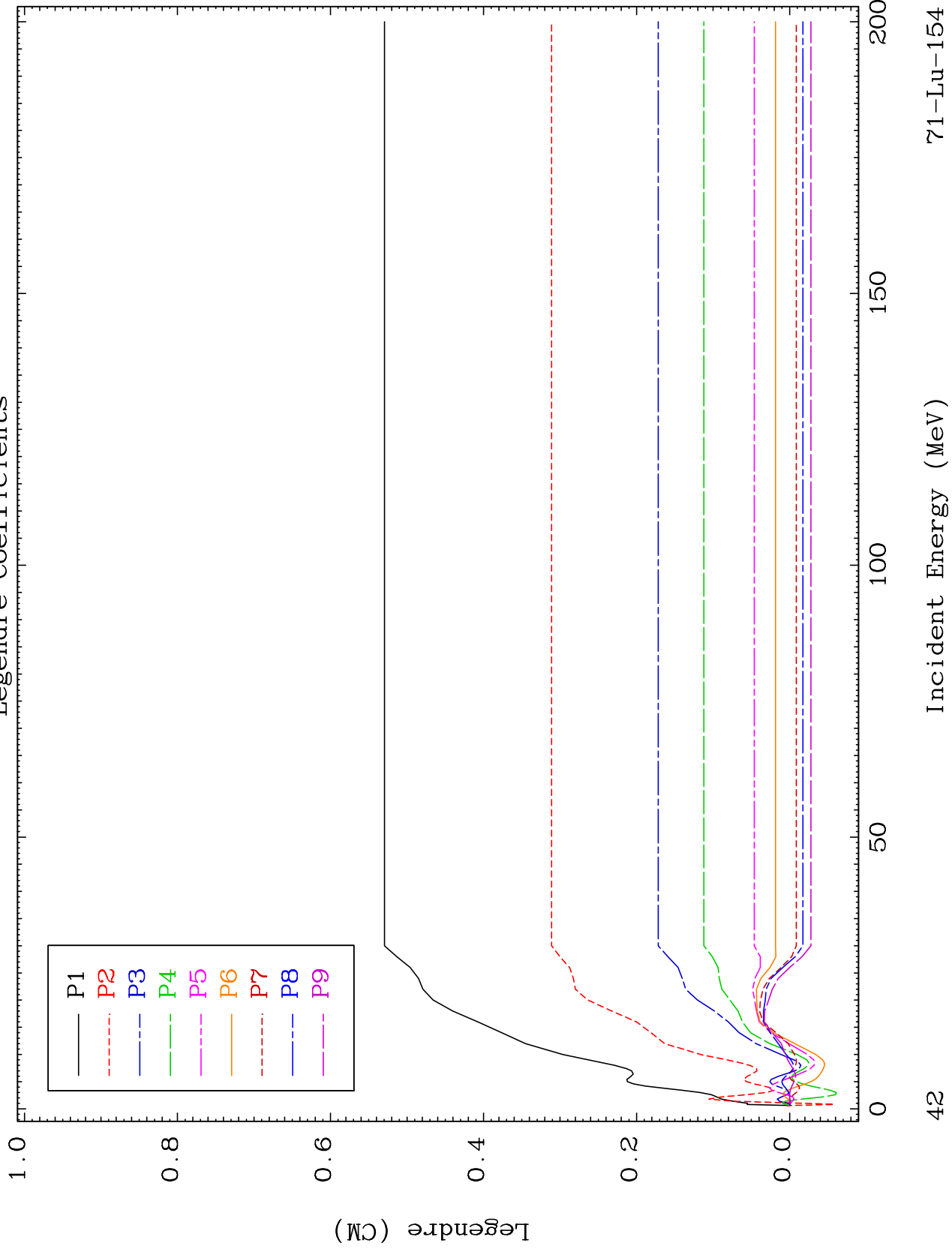




MAT 7062

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

71-Lu-154



71-Lu-154

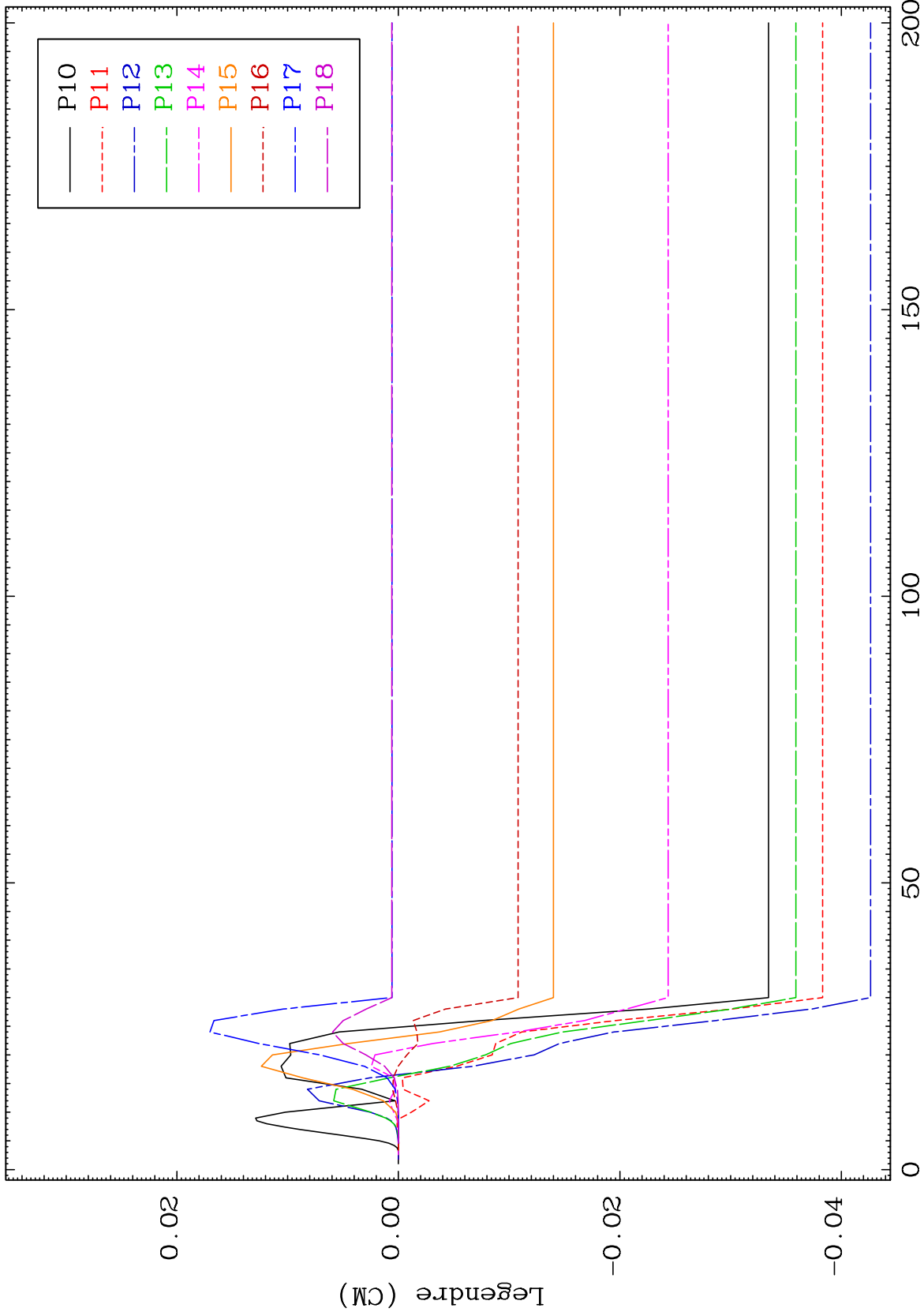
Incident Energy (MeV)

42

MAT 7062

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

71-Lu-154



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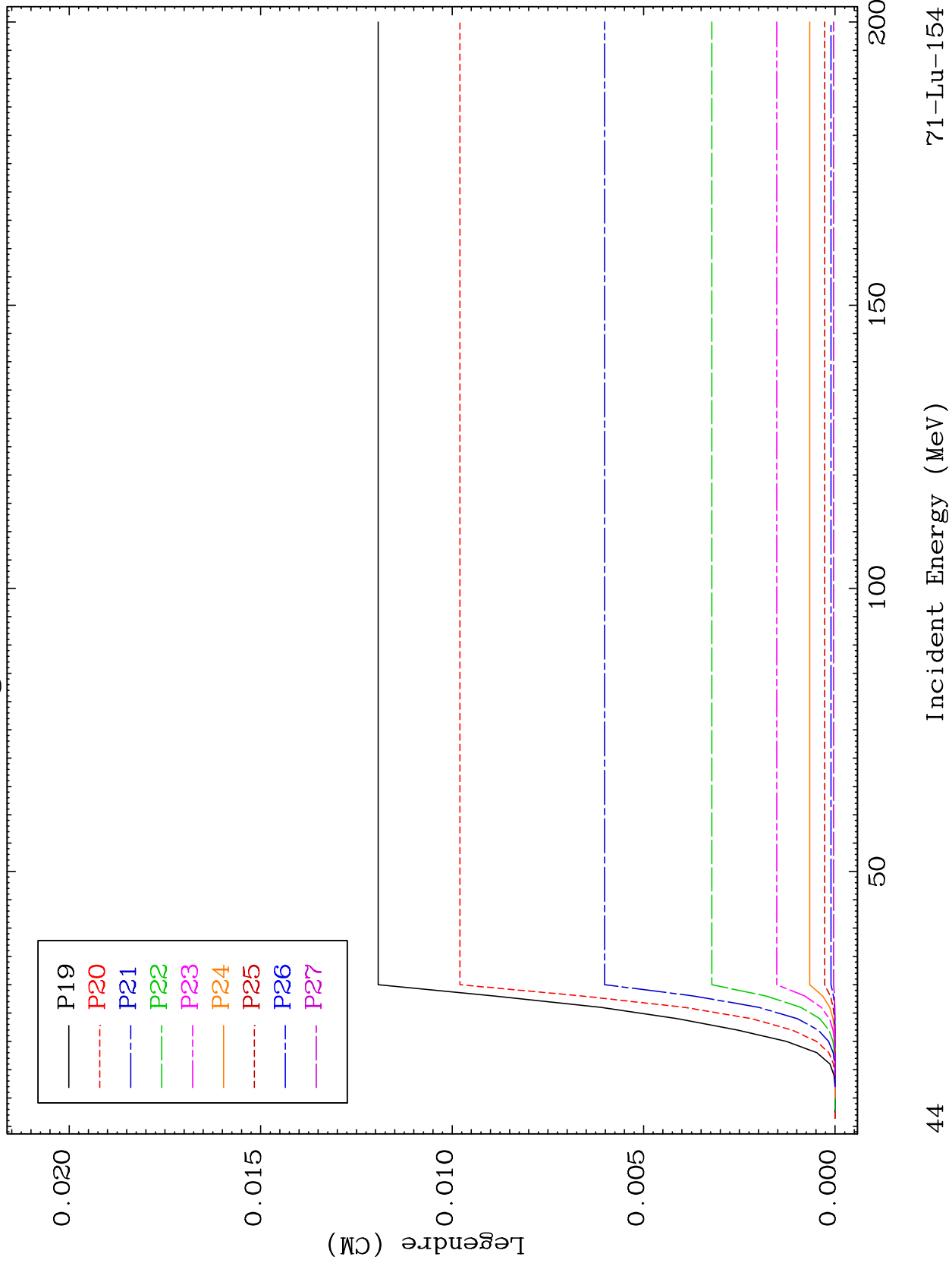
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



44

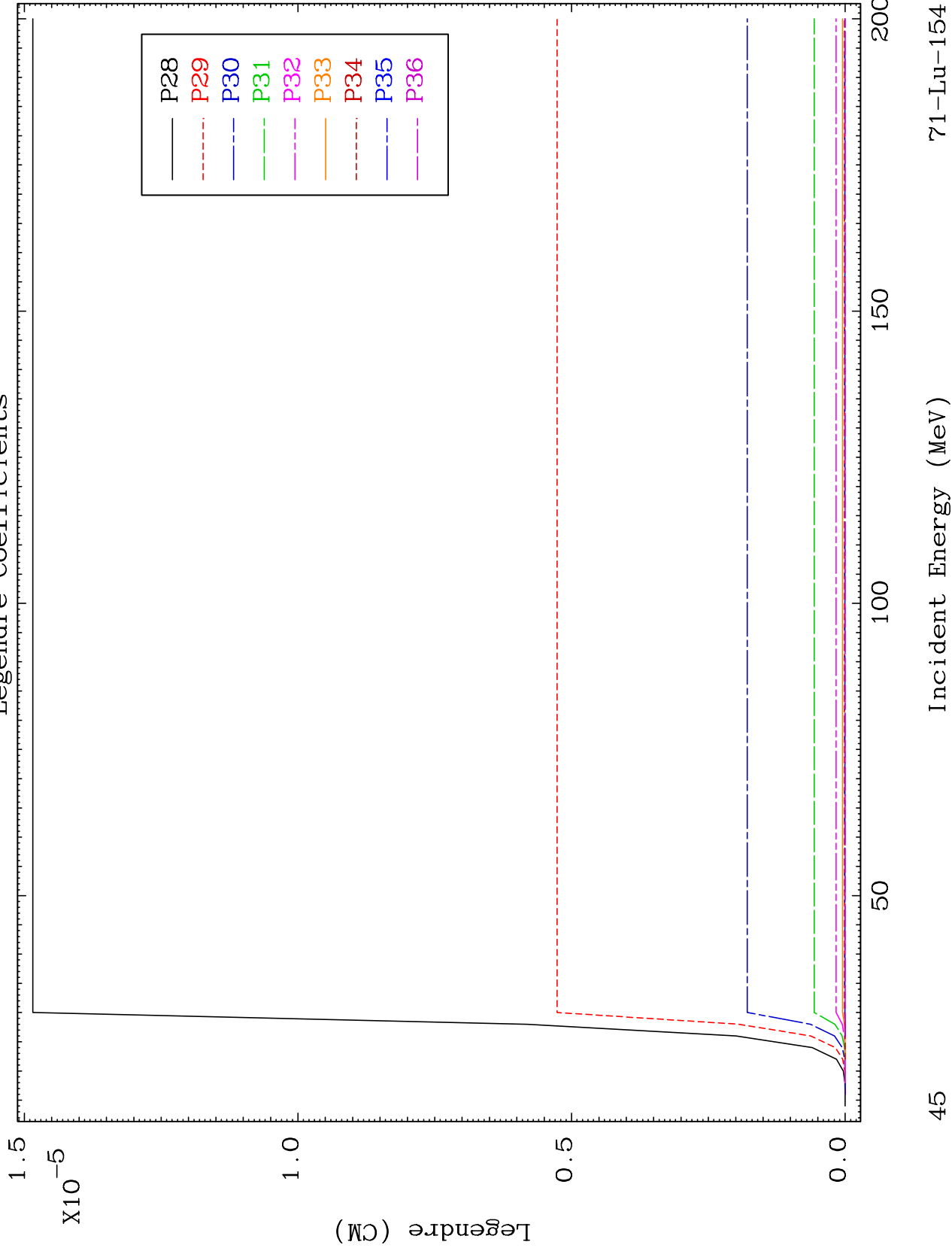
Incident Energy (MeV)

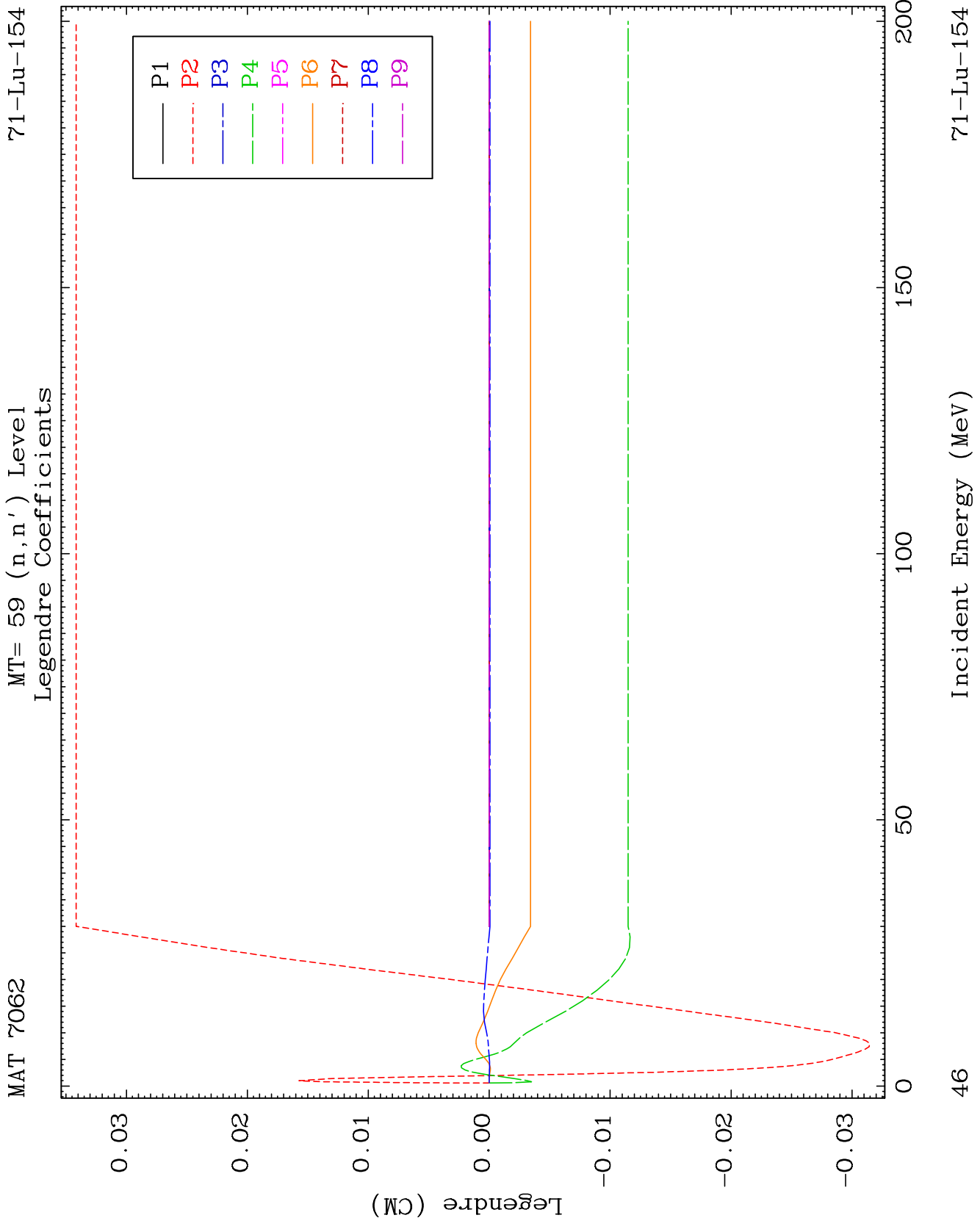
71-Lu-154

MAT 7062

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

71-Lu-154

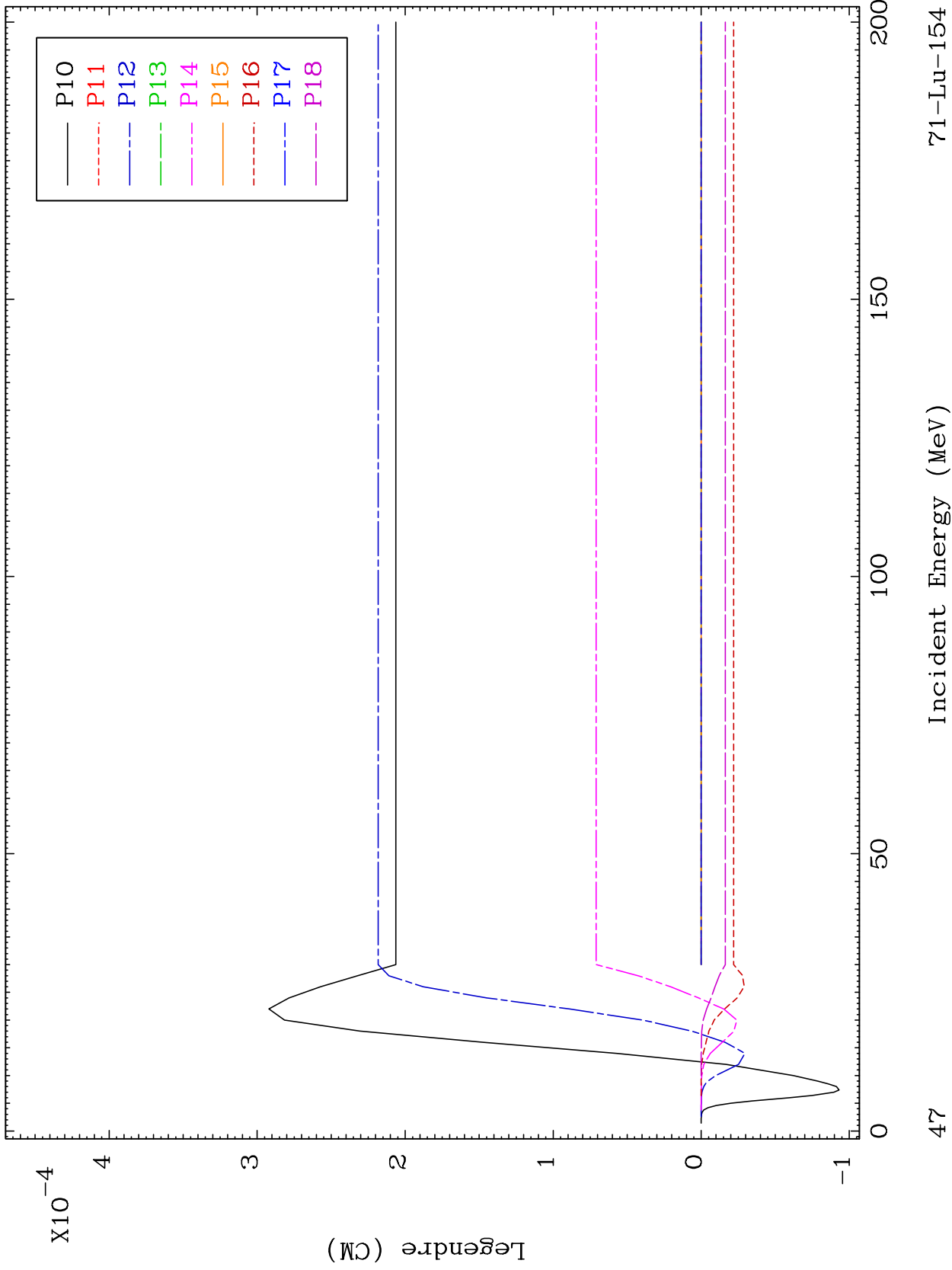




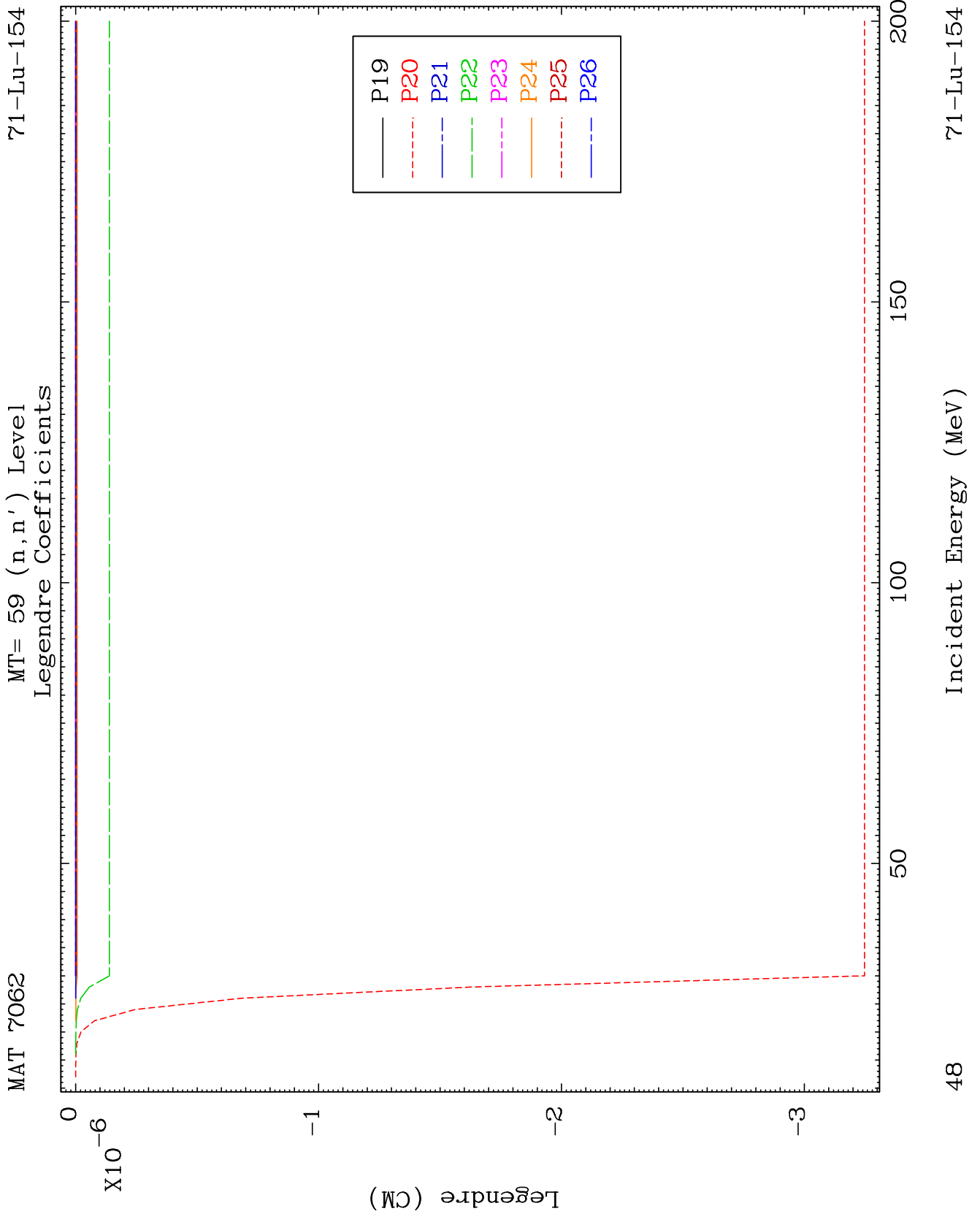
MAT 7062

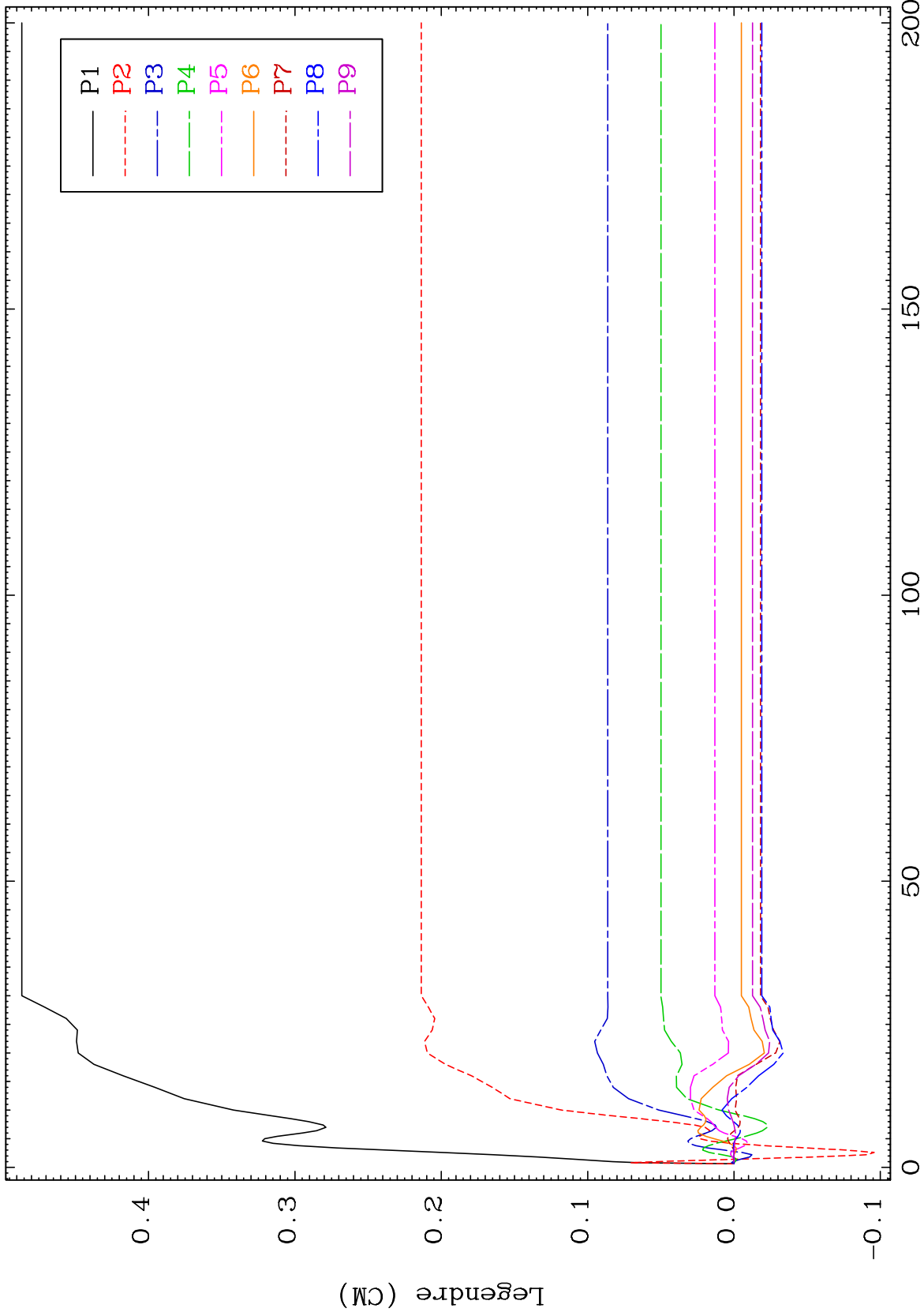
MT= 59 (n,n') Level  
Legendre Coefficients

71-Lu-154





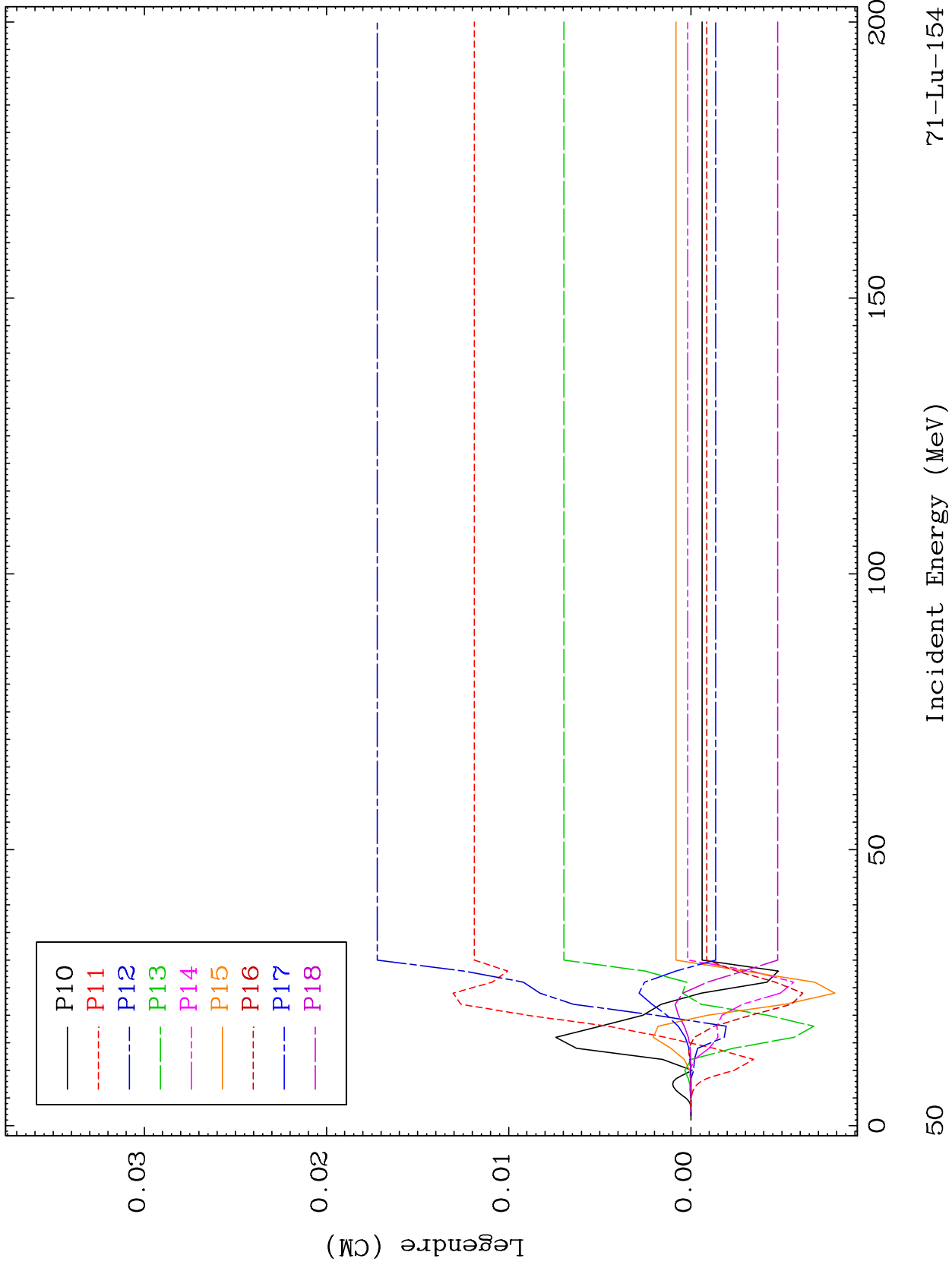




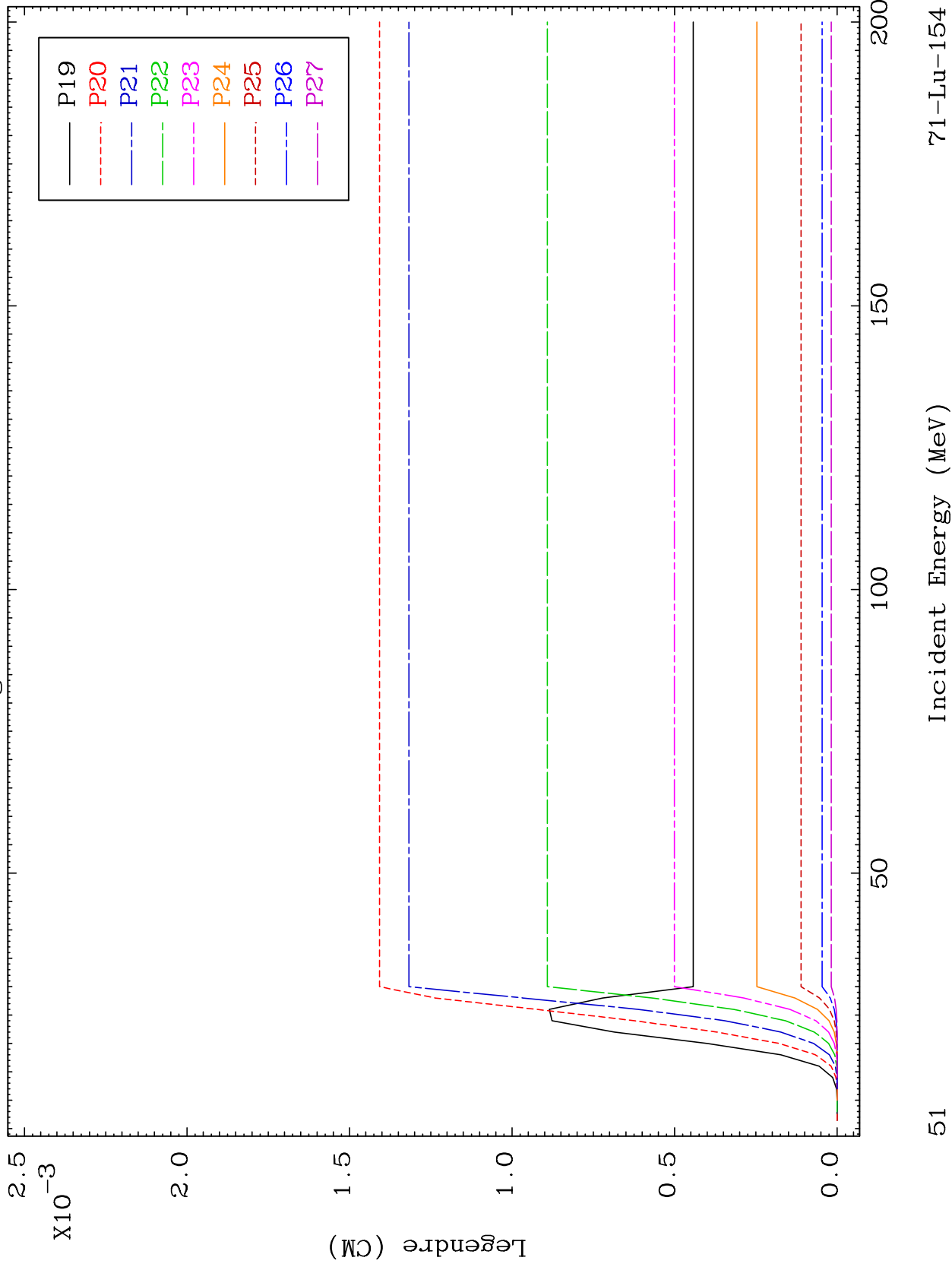
MAT 7062

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

71-Lu-154



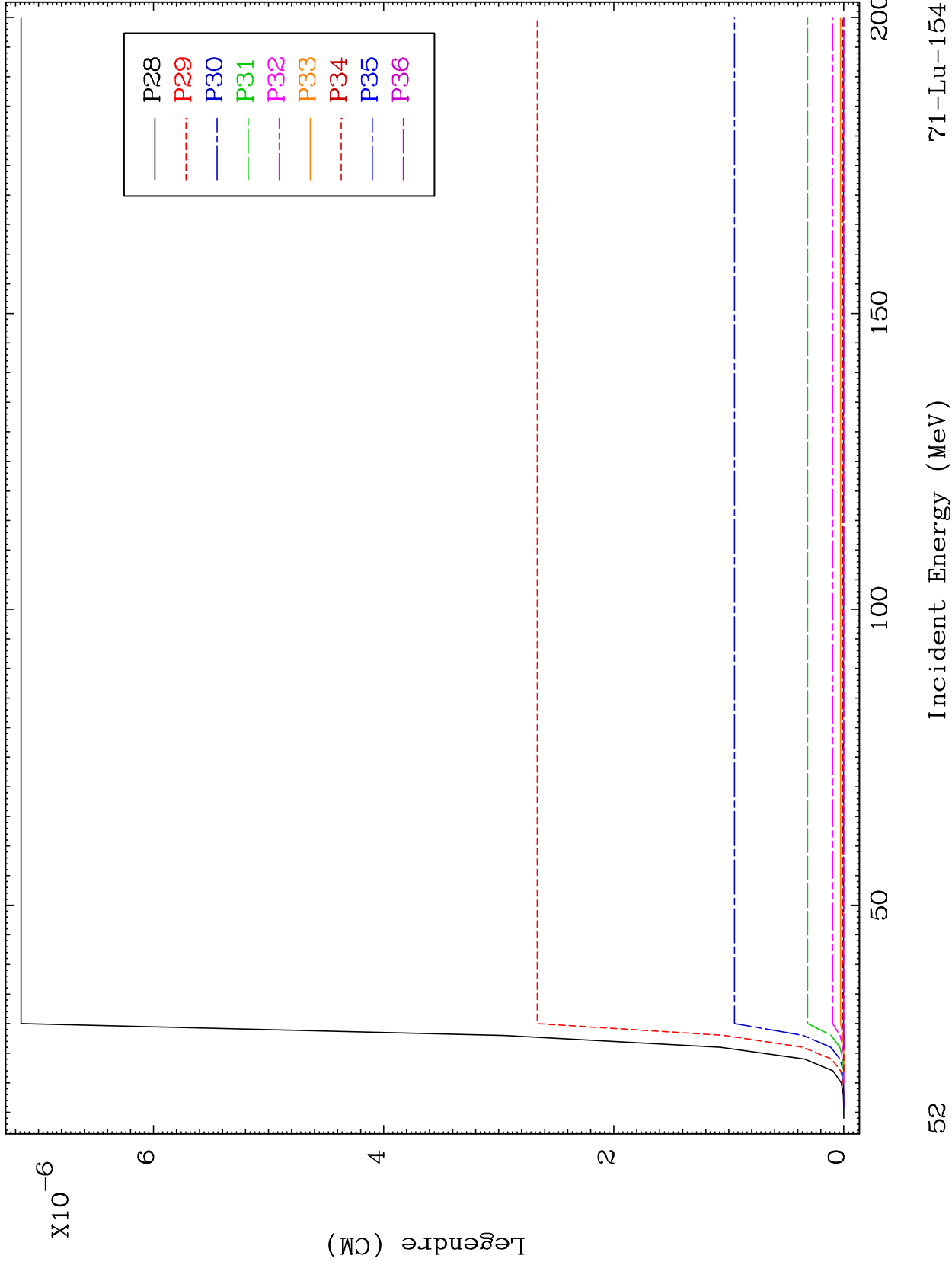
71-Lu-154



MAT 7062

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

71-Lu-154



52

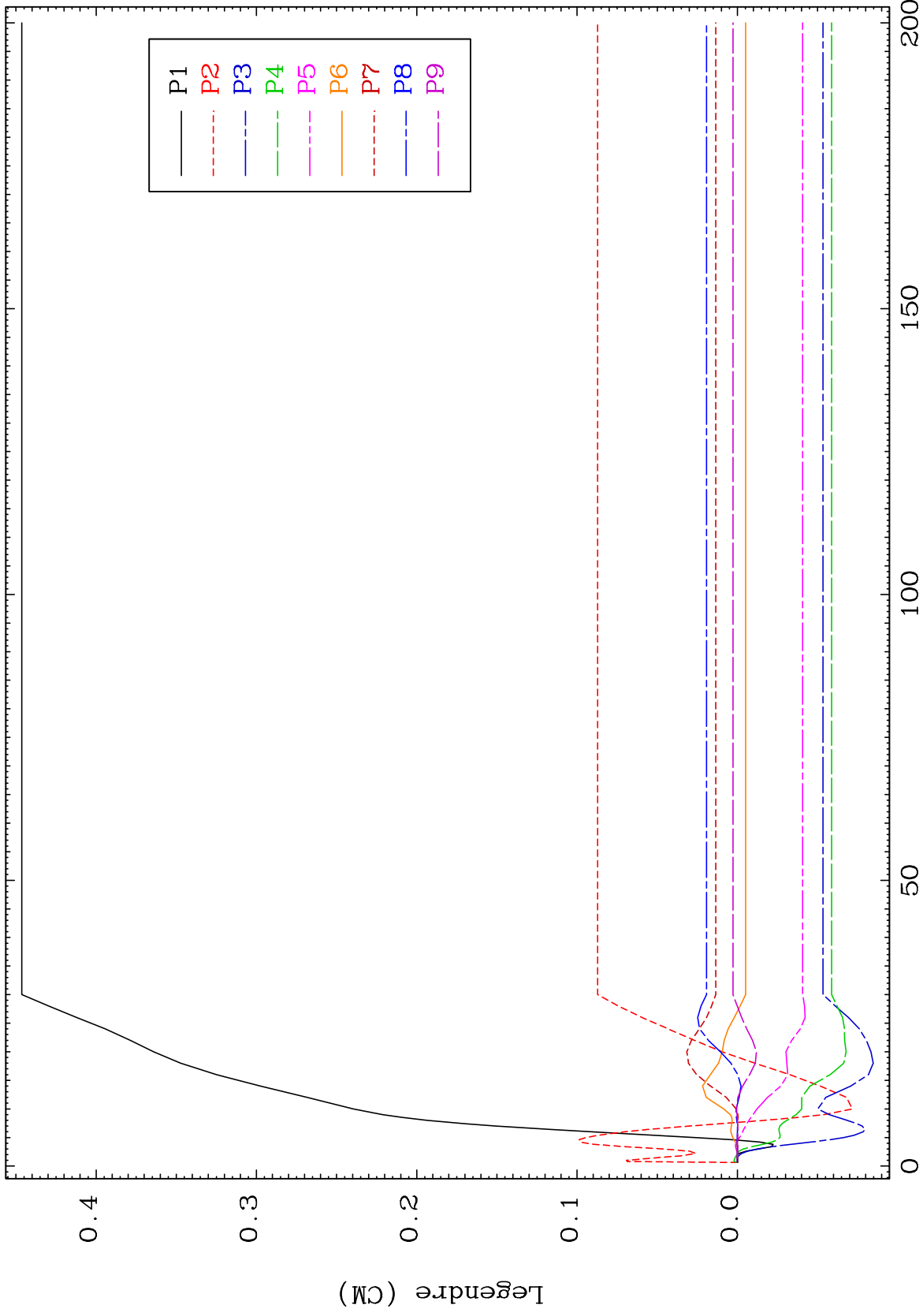
Incident Energy (MeV)

71-Lu-154

MAT 7062

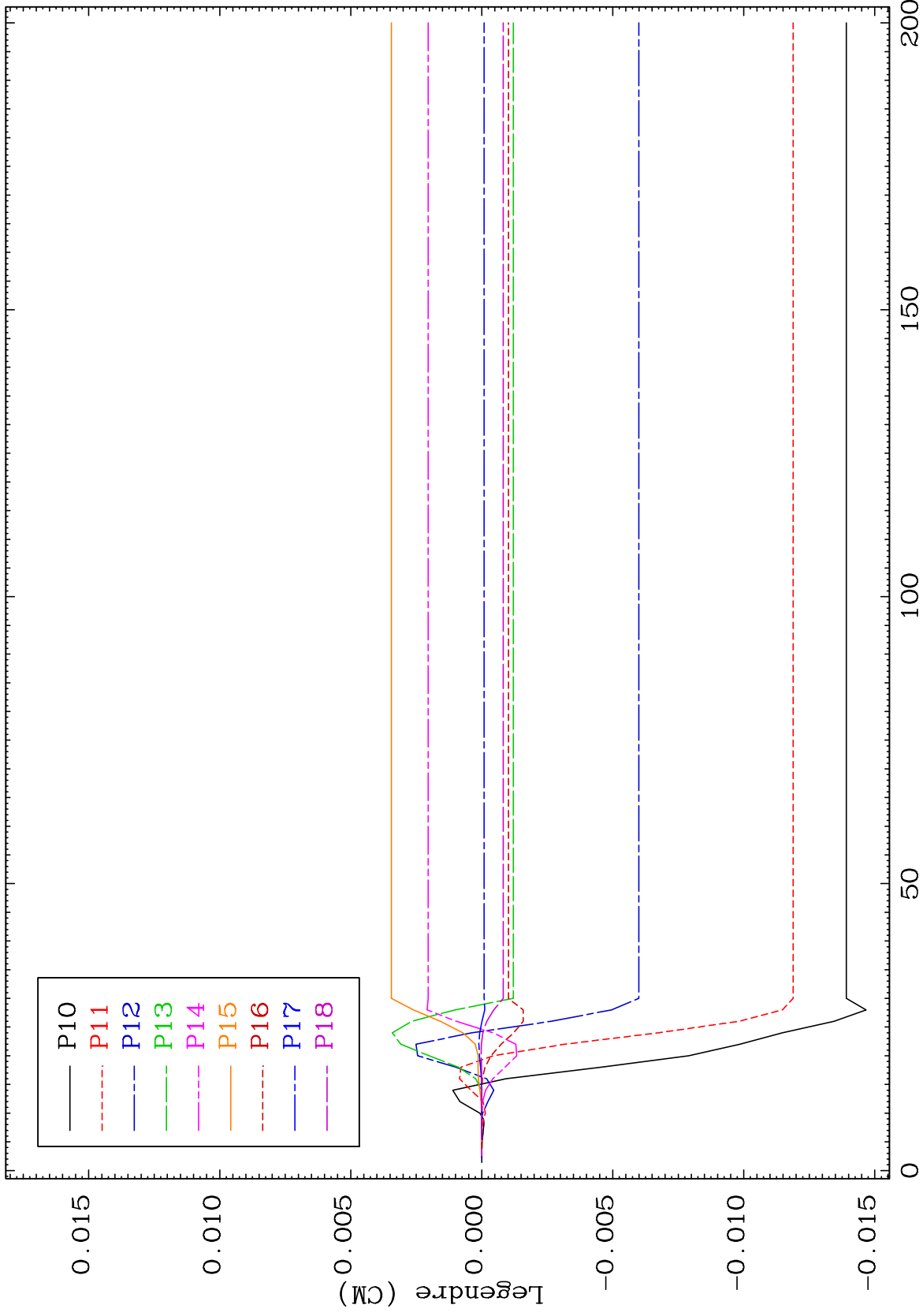
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Legendre Coefficients

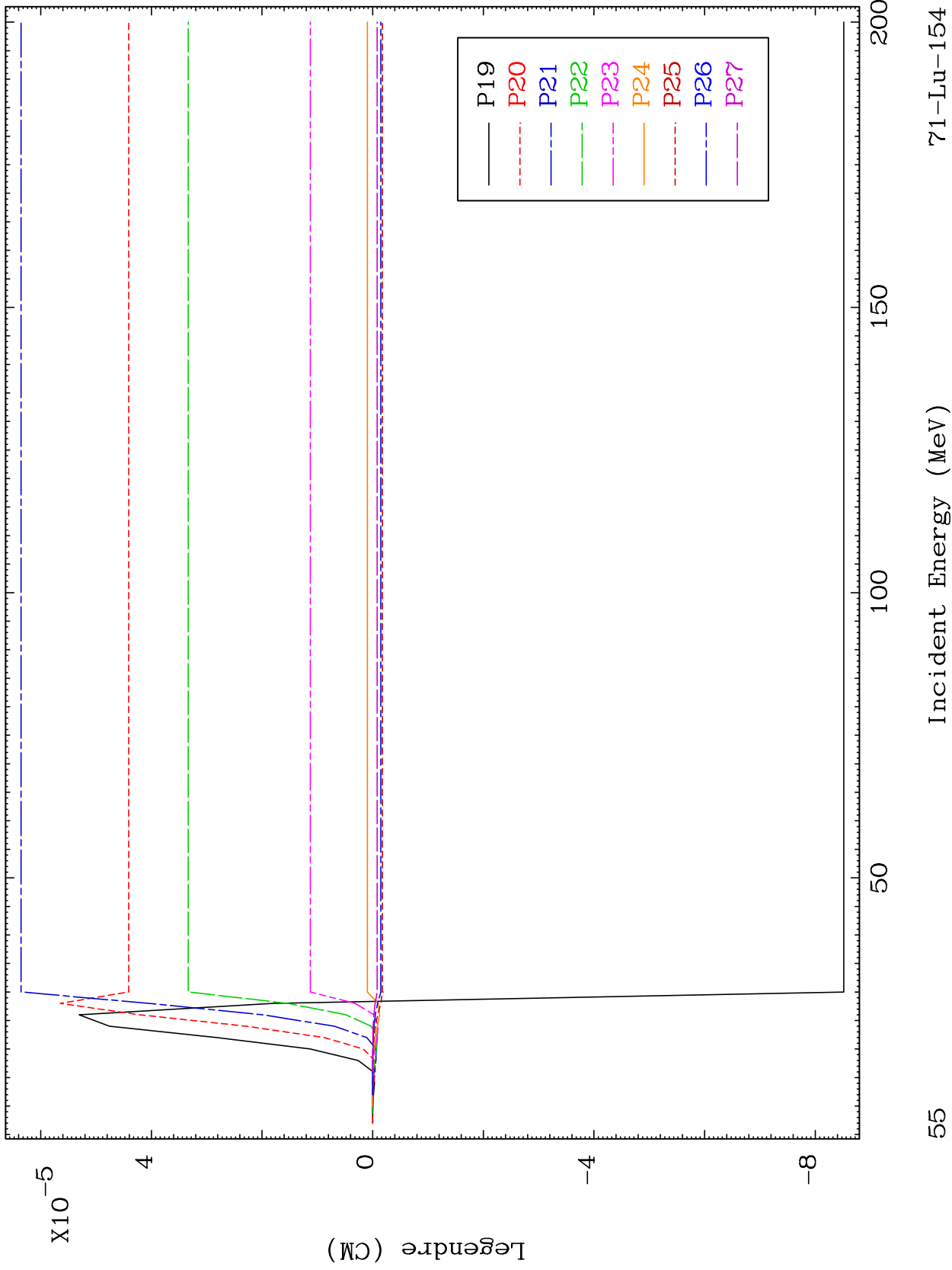
71-Lu-154



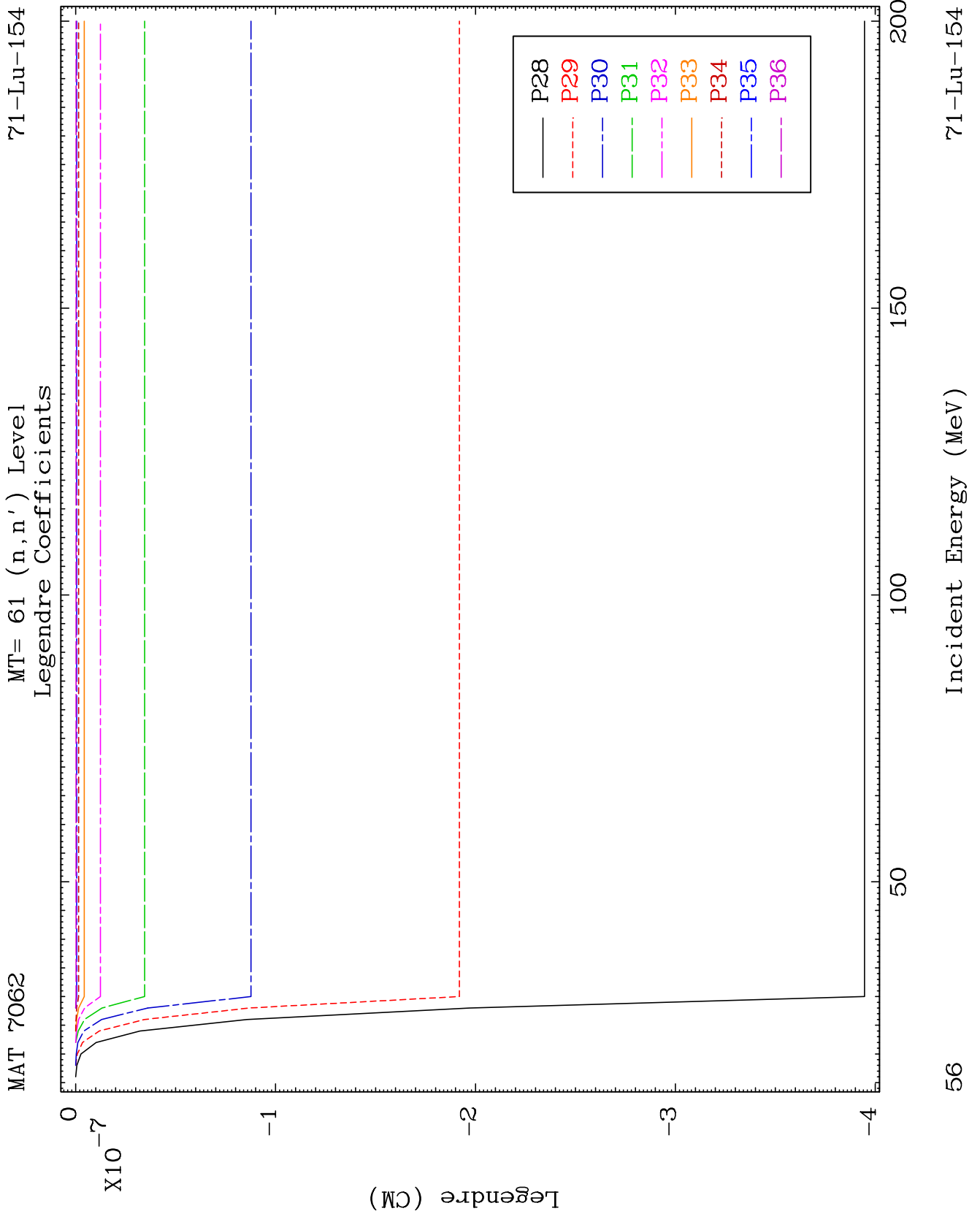
53

71-Lu-154





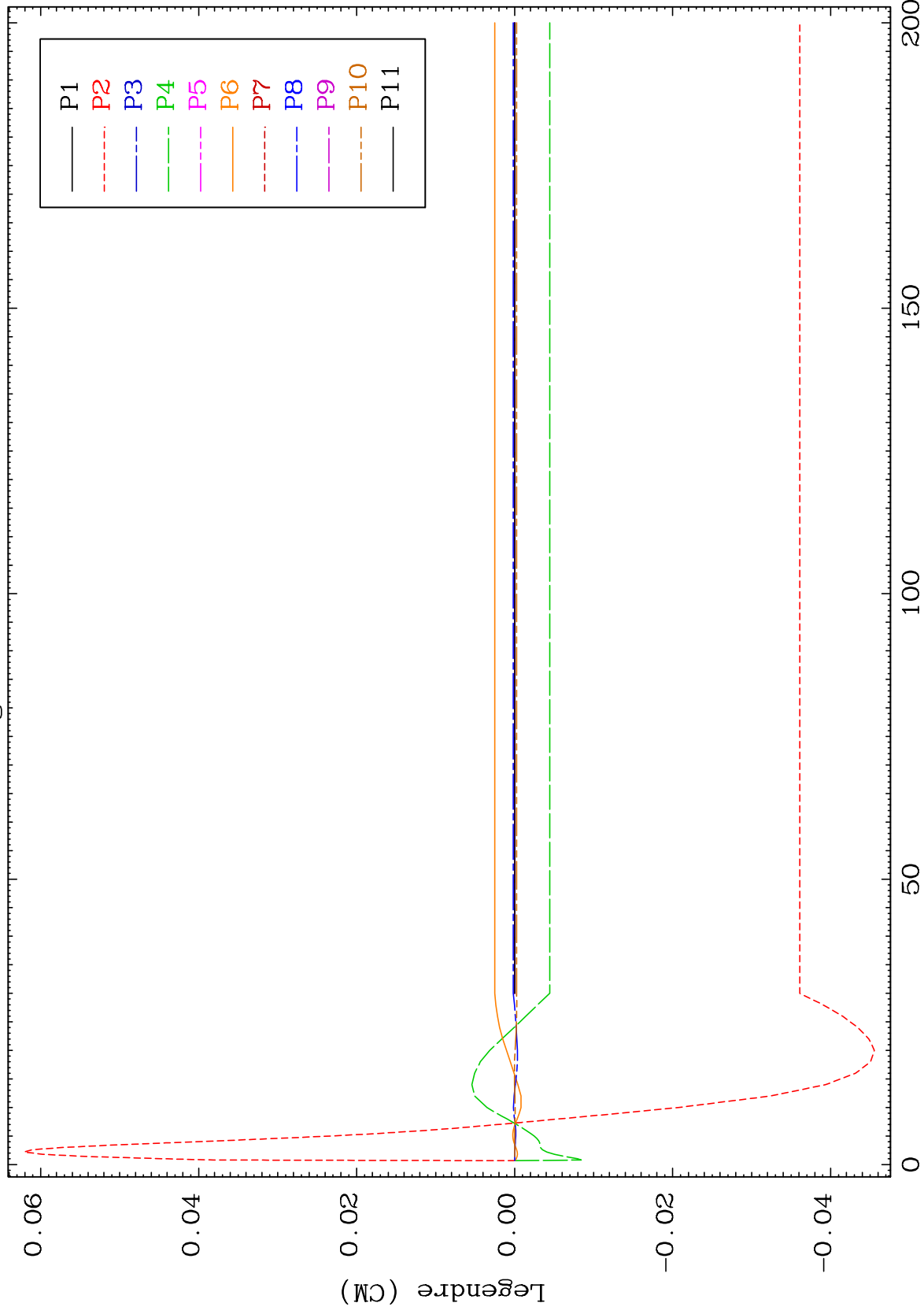




MAT 7062

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

71-Lu-154



57

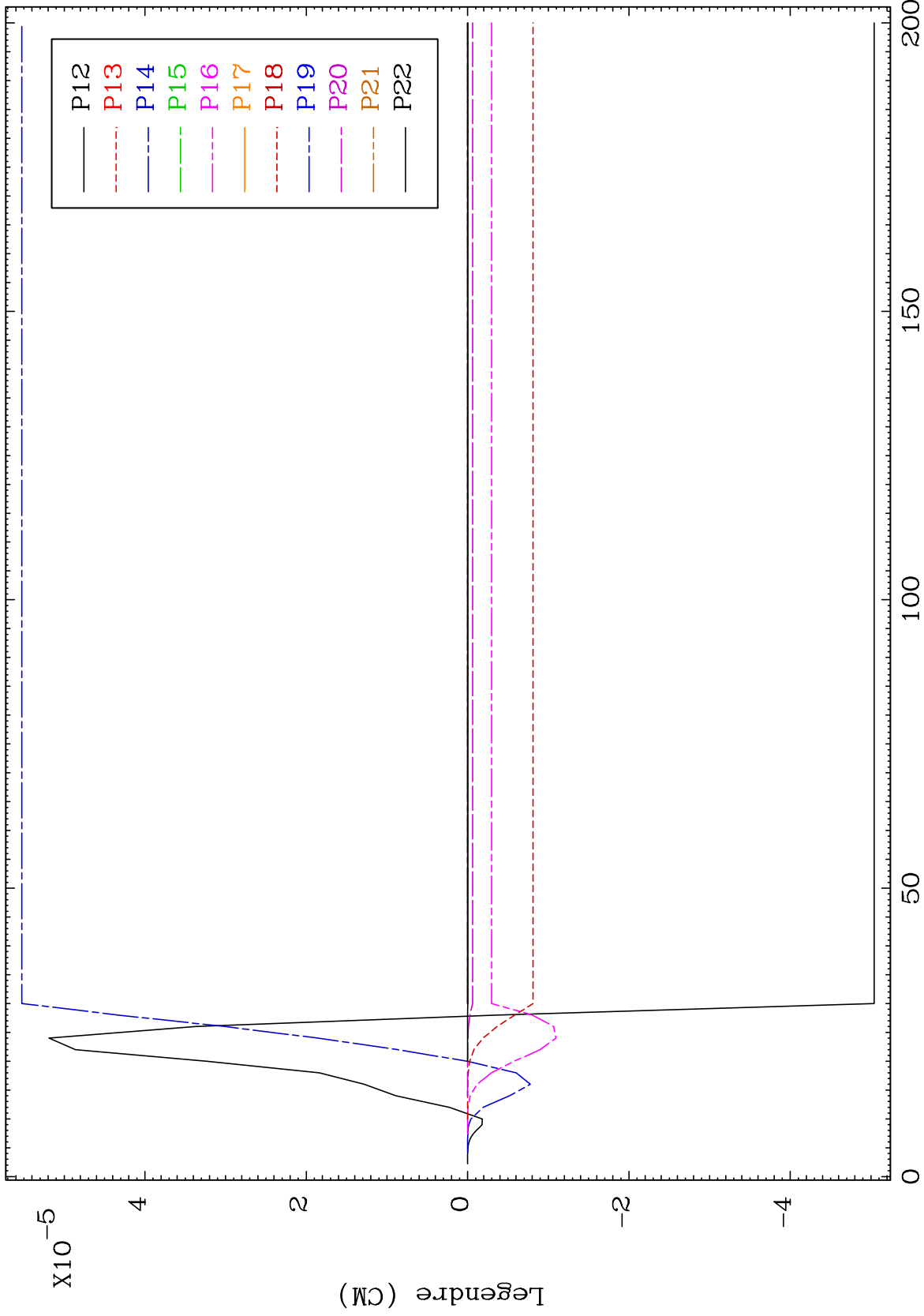
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154

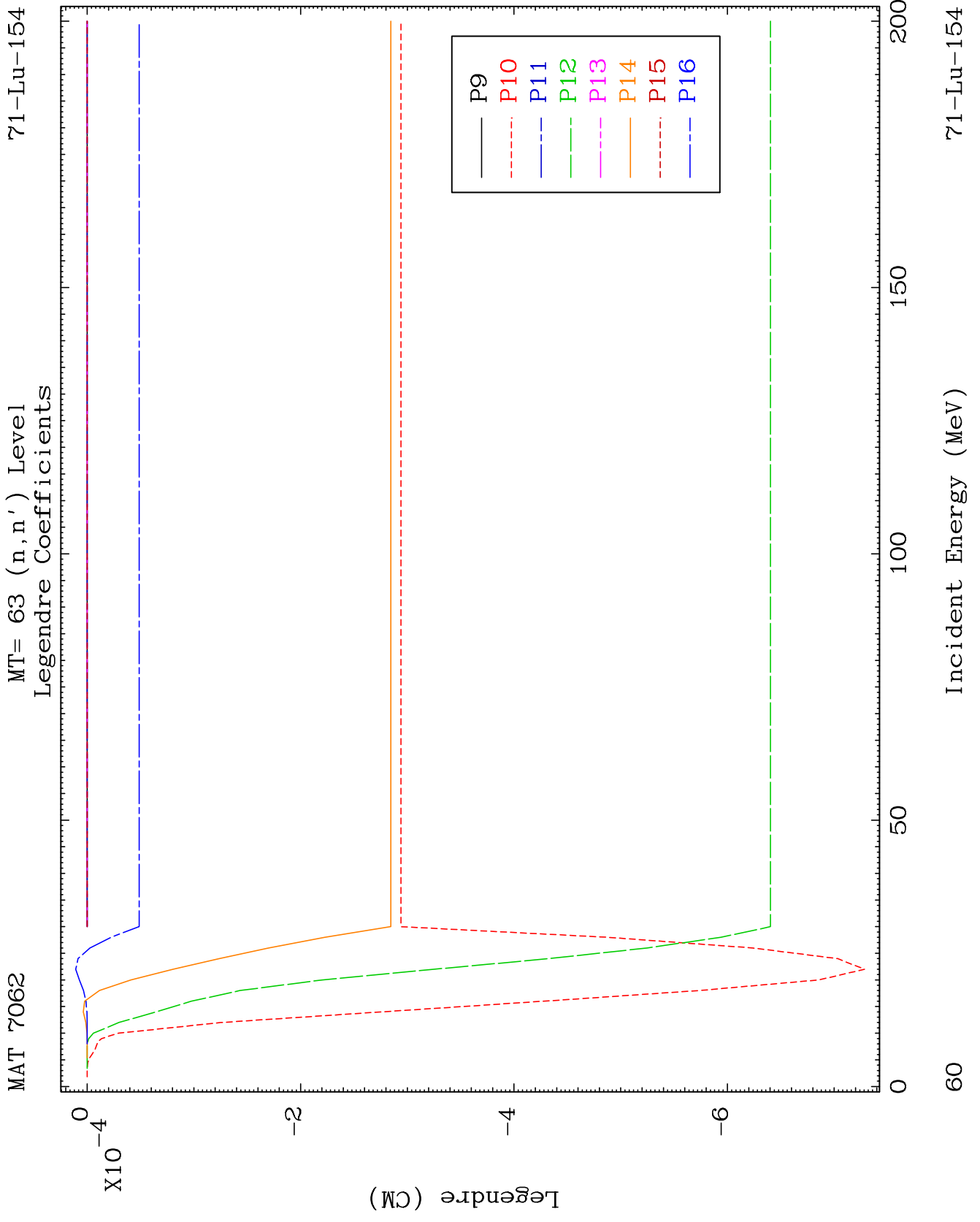


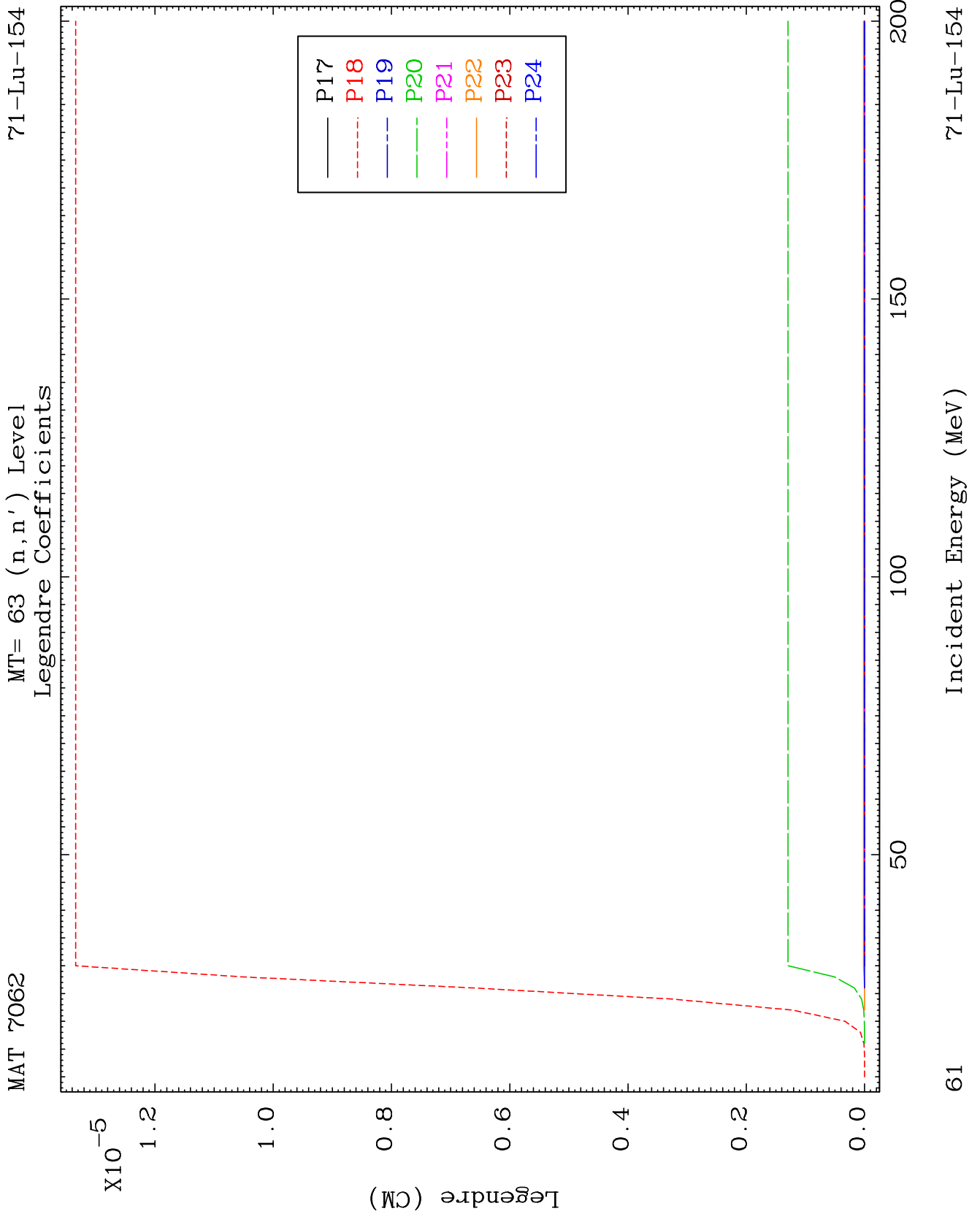
58

Incident Energy (MeV)

71-Lu-154





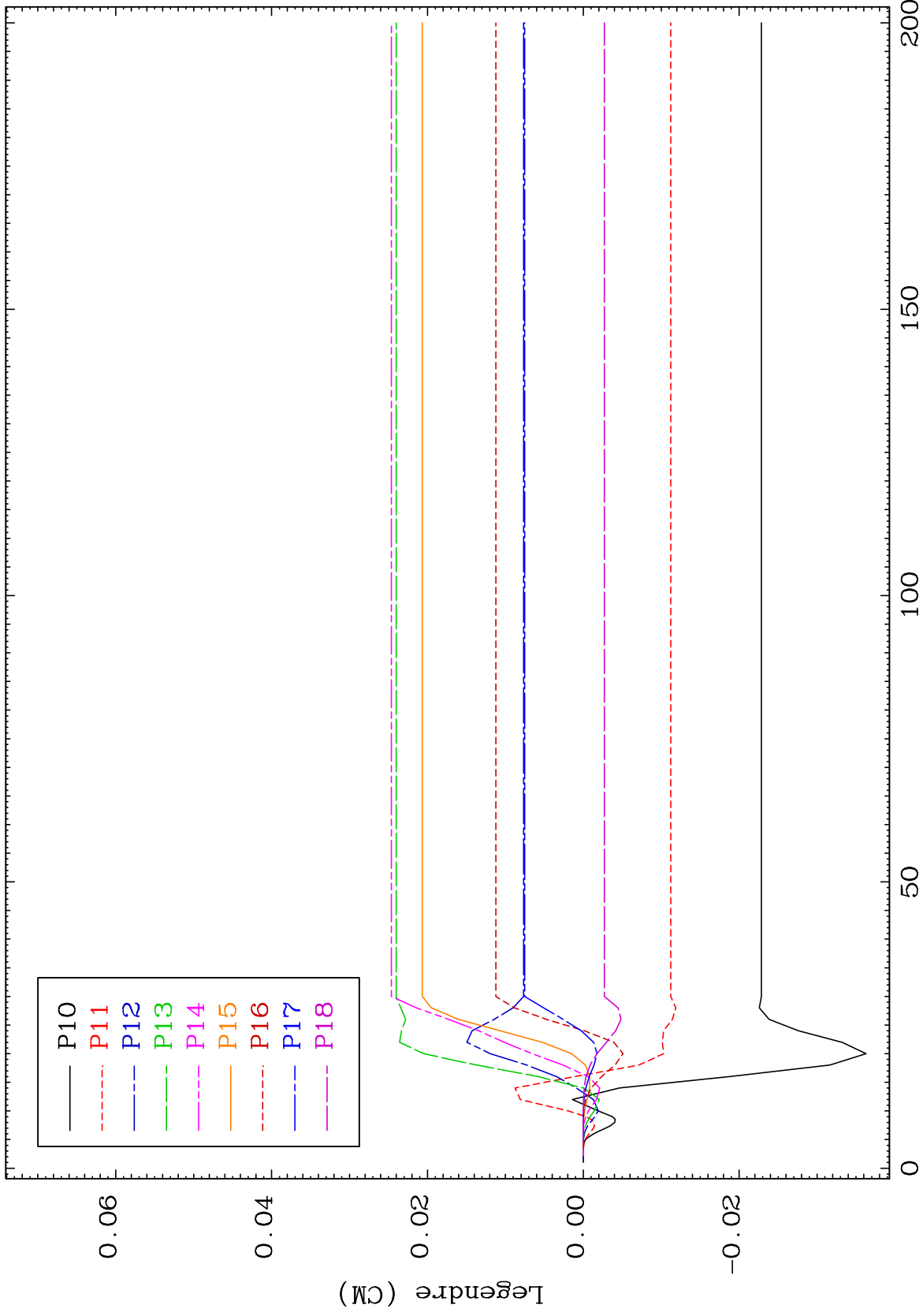




MAT 7062

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

71-Lu-154



63

Incident Energy (MeV)

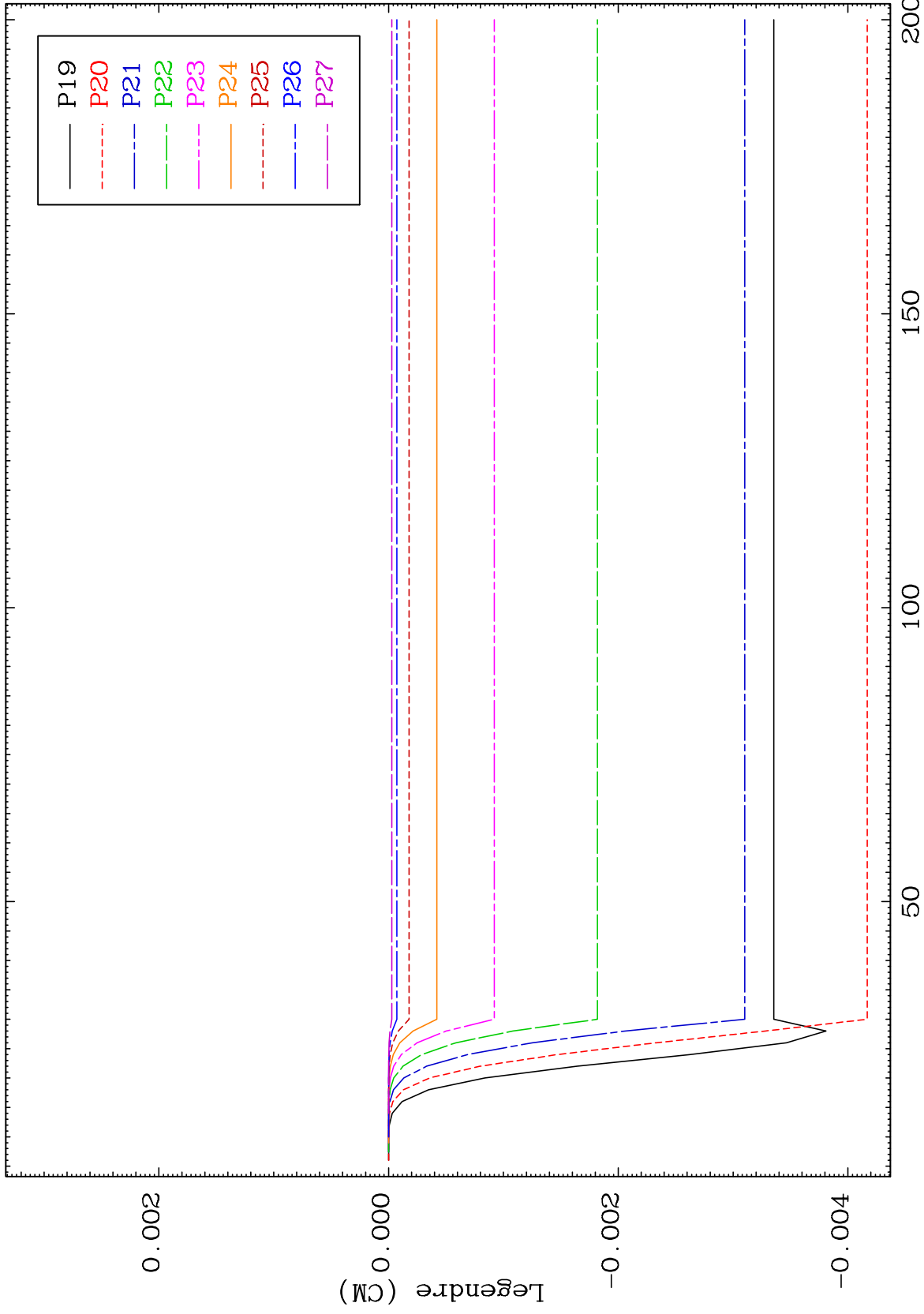
71-Lu-154



MAT 7062

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

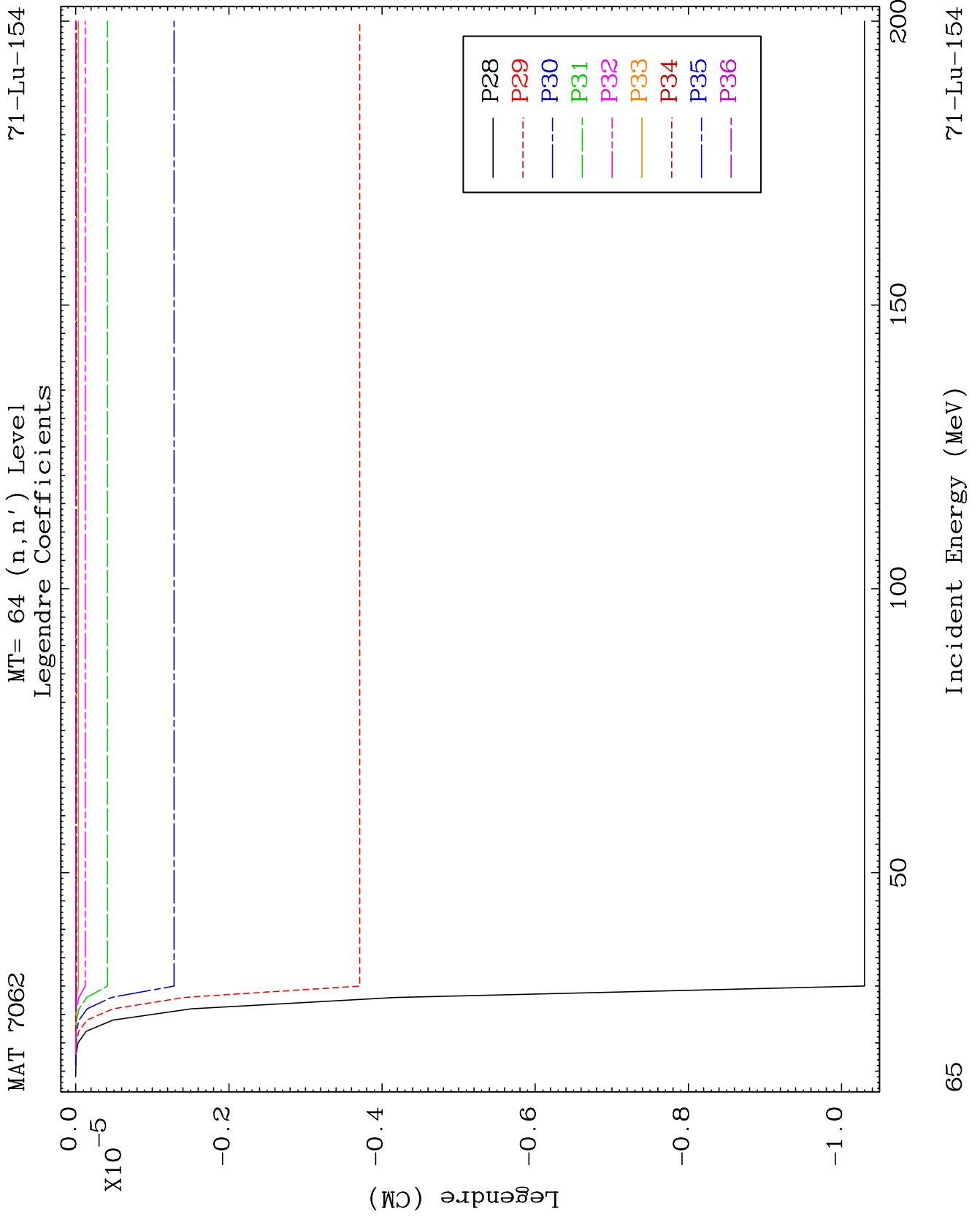
71-Lu-154



64

Incident Energy (MeV)

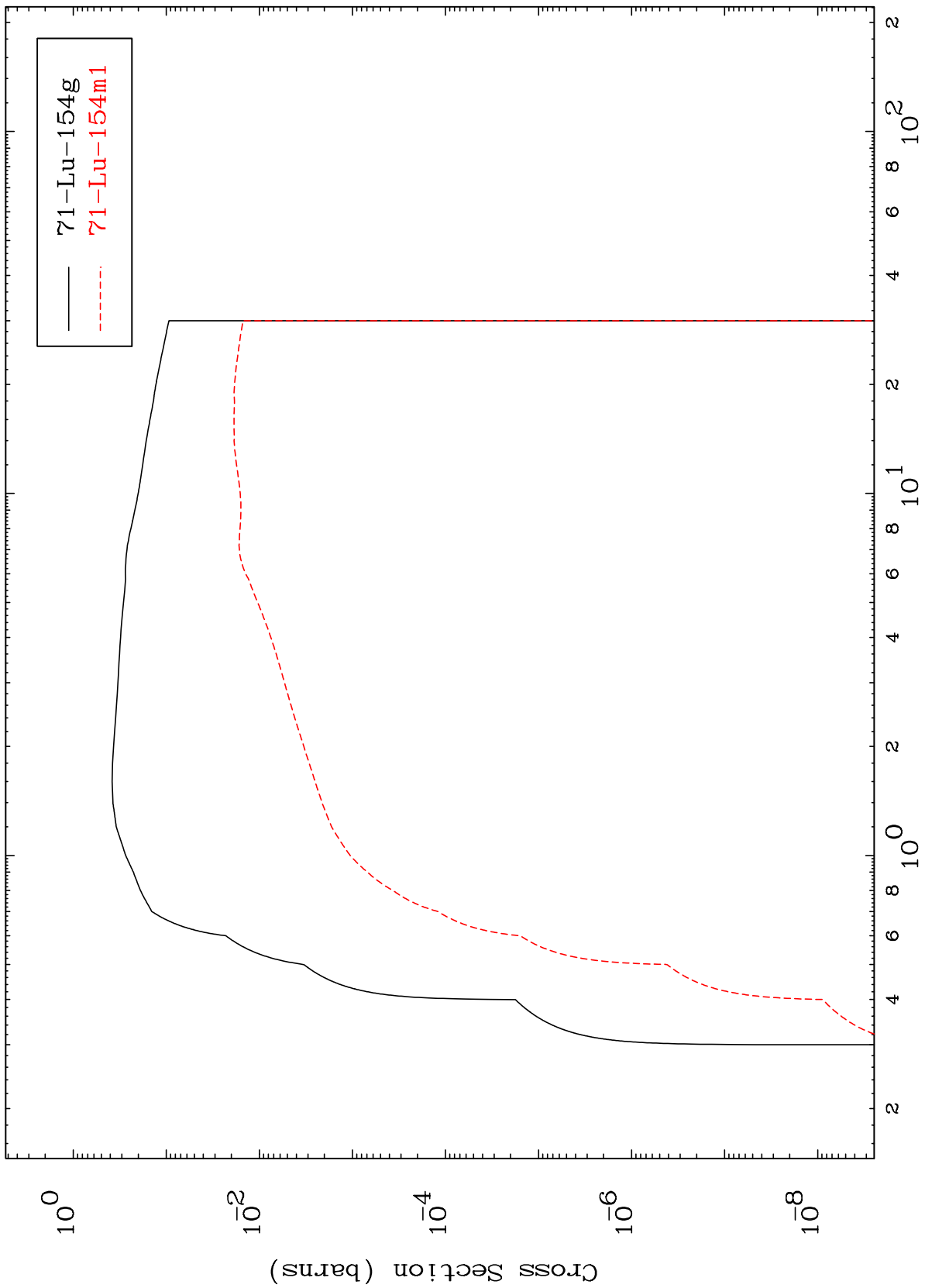
71-Lu-154



MAT 7062

71-Lu-154

Inelastic  
Radionuclide Production Cross Section



66

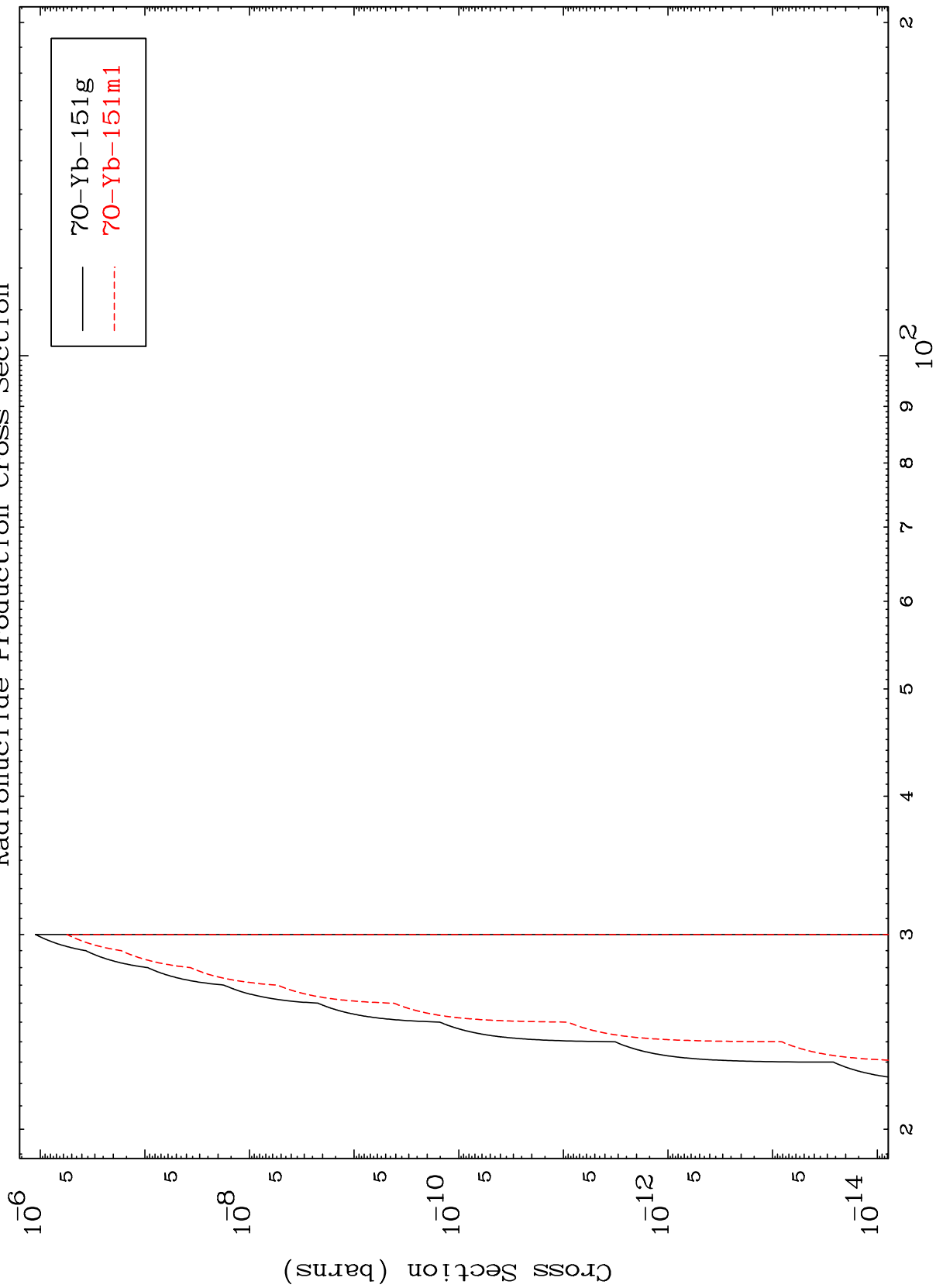
71-Lu-154

MAT 7062

(n,2n) d

71-Lu-154

Radionuclide Production Cross Section



67

Incident Energy (MeV)

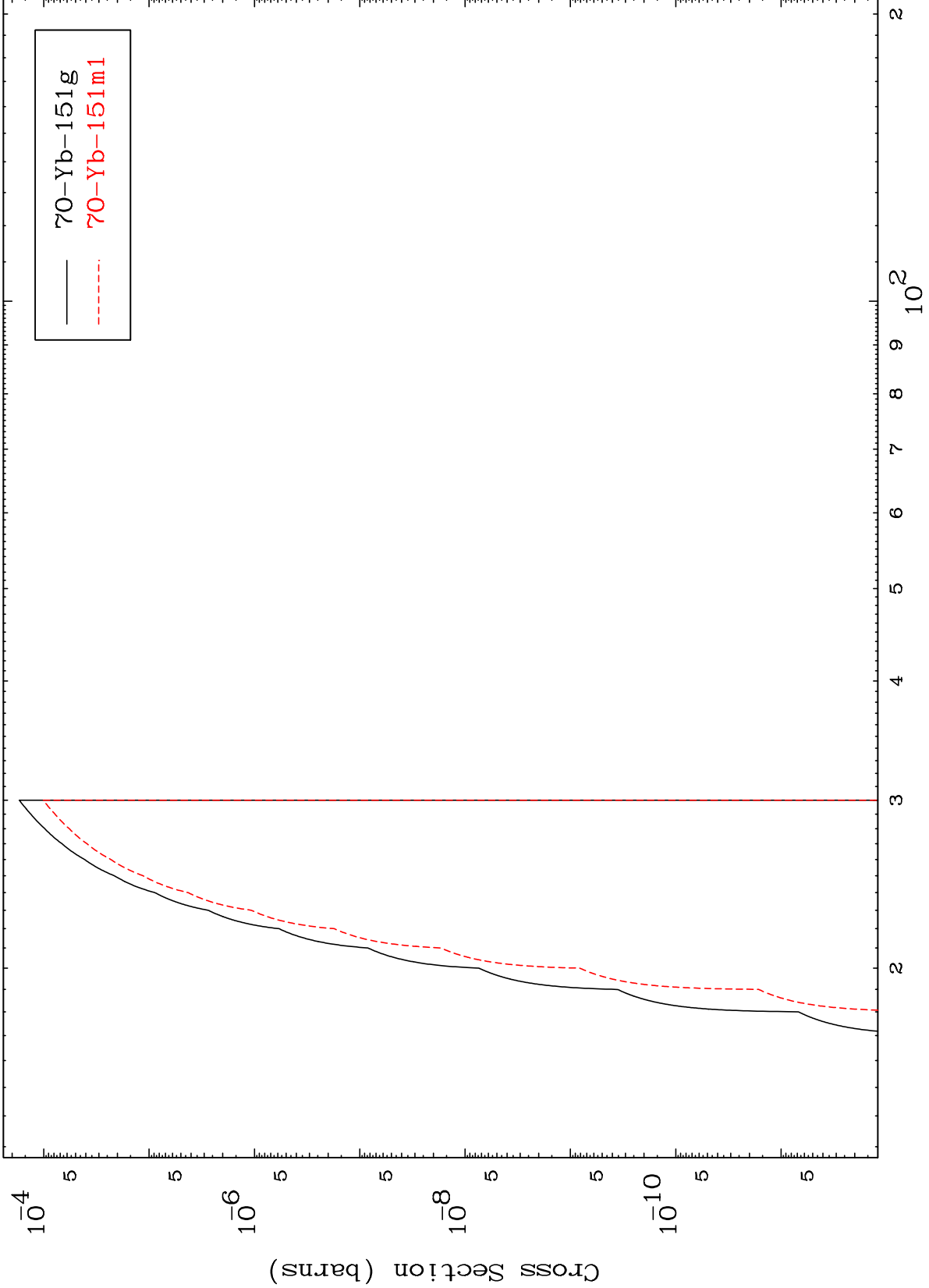
71-Lu-154

MAT 7062

(n,n') t

71-Lu-154

Radionuclide Production Cross Section



68

Incident Energy (MeV)

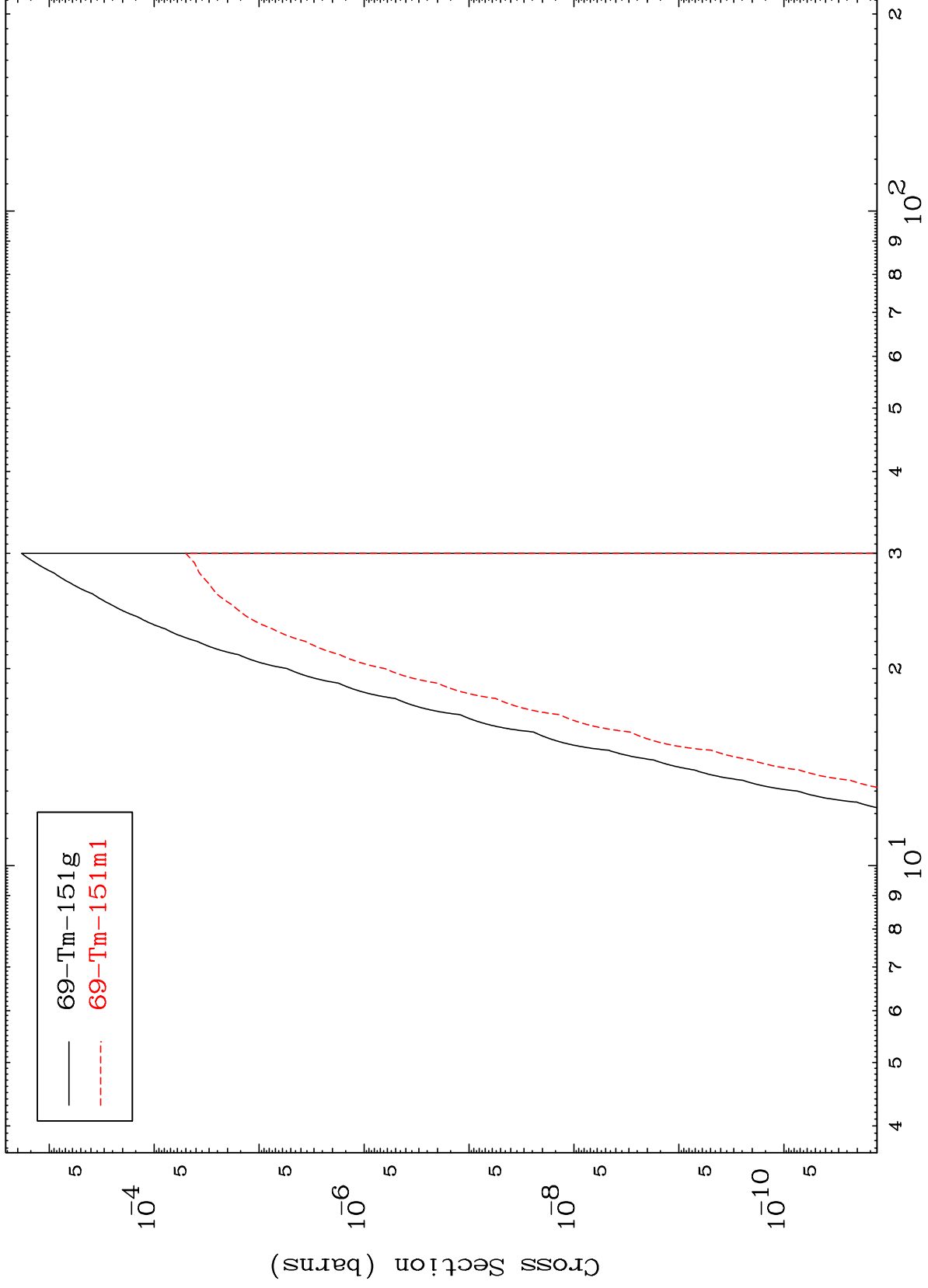
71-Lu-154

MAT 7062

(n,n') He-3

71-Lu-154

Radionuclide Production Cross Section



69

Incident Energy (MeV)

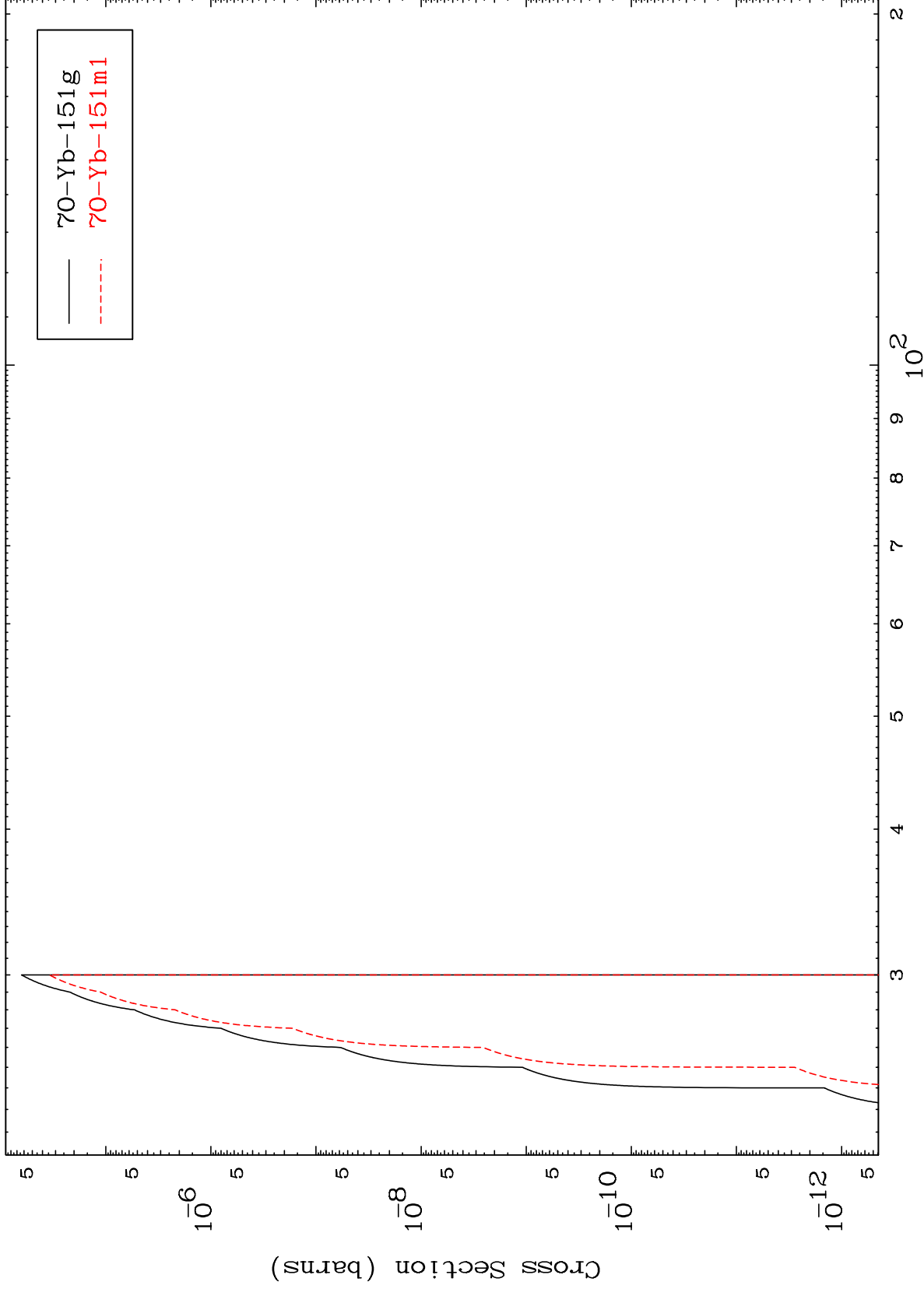
71-Lu-154

MAT 7062

(n,3n) p

71-Lu-154

Radionuclide Production Cross Section



70

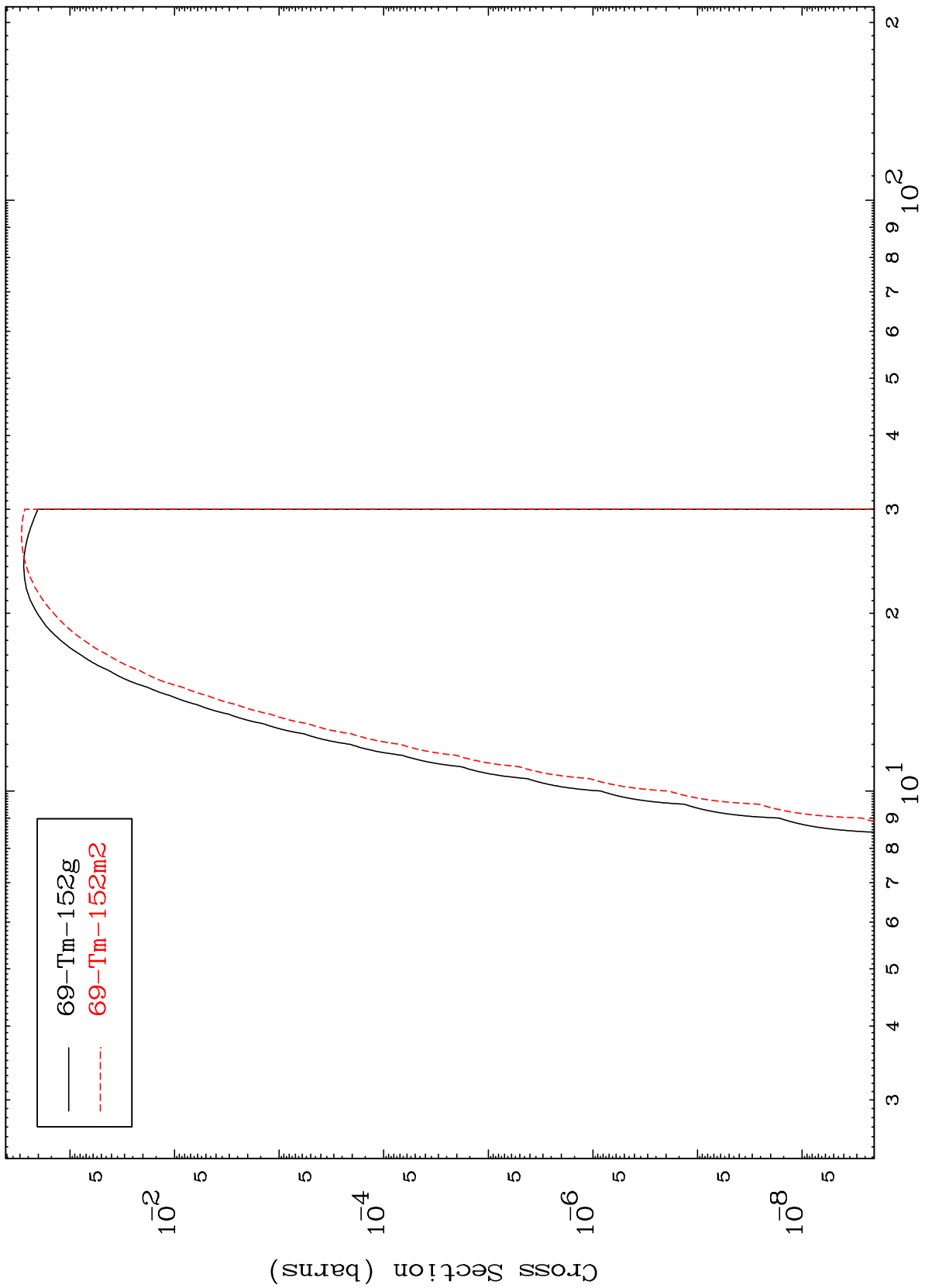
Incident Energy (MeV)

71-Lu-154

MAT 7062

71-Lu-154

(n,2n) p  
Radionuclide Production Cross Section



71

Incident Energy (MeV)

71-Lu-154

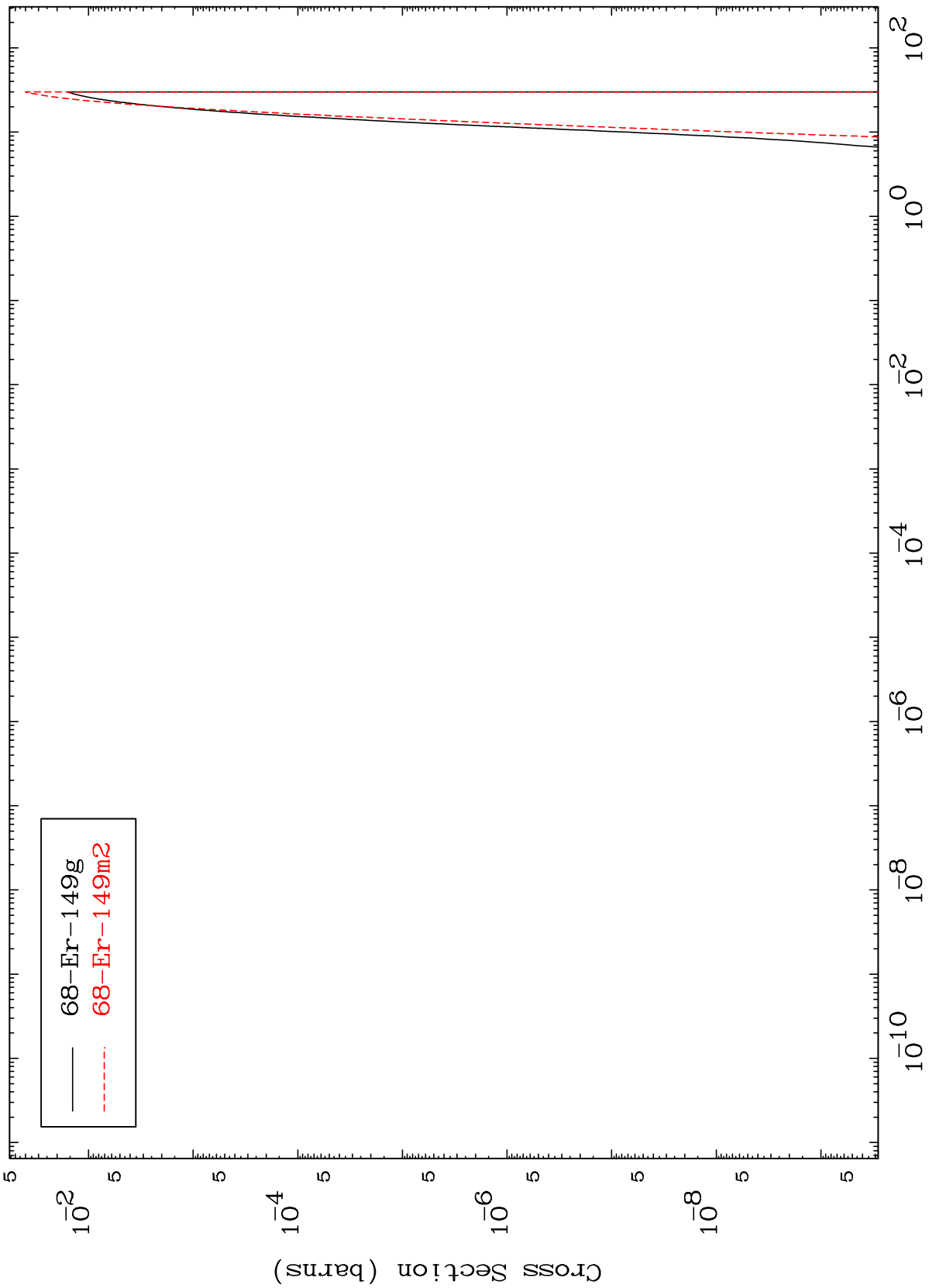


MAT 7062

(n,n') p  $\alpha$

71-Lu-154

Radionuclide Production Cross Section



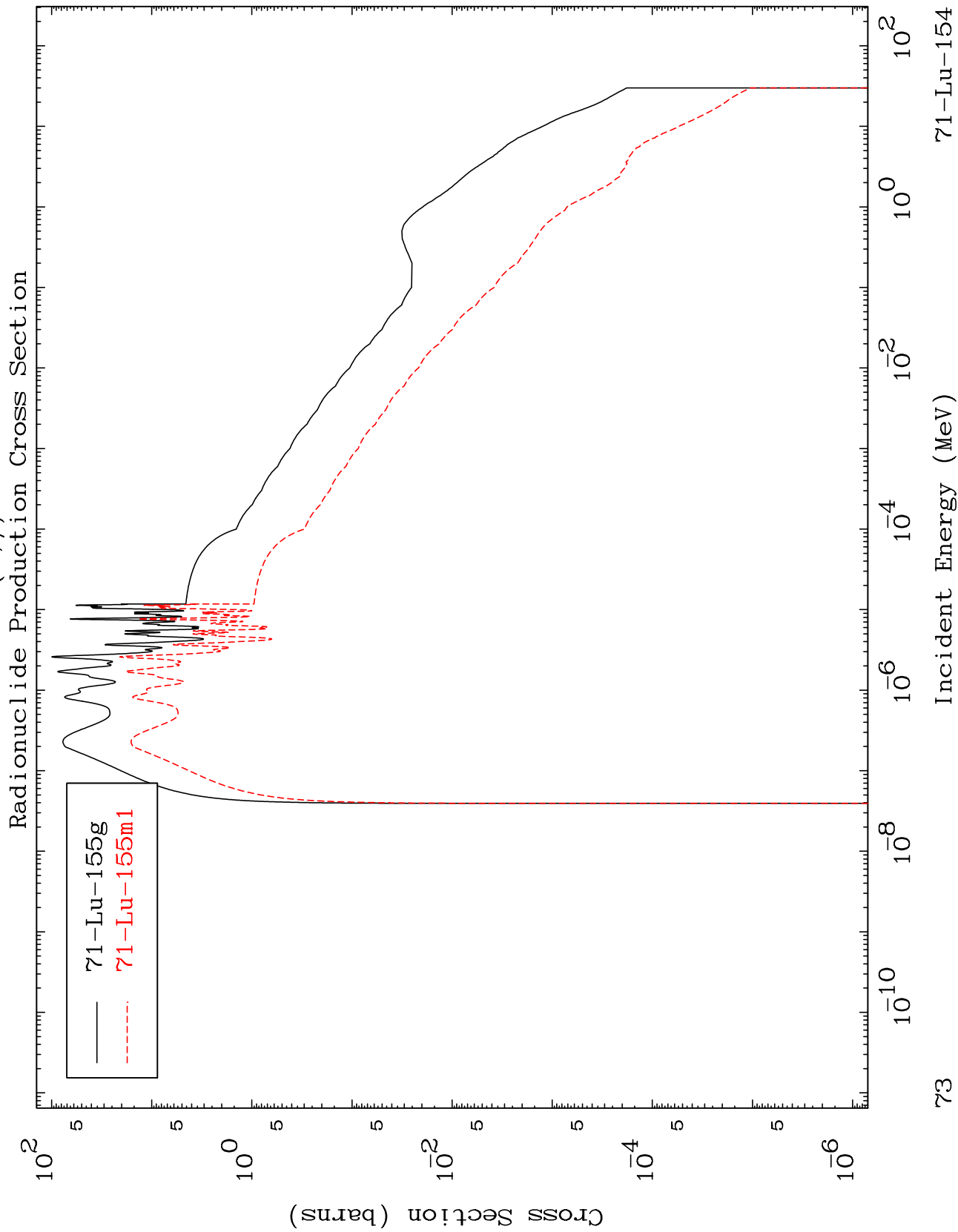
72

Incident Energy (MeV)

71-Lu-154

MAT 7062

<sup>71</sup>Lu-154

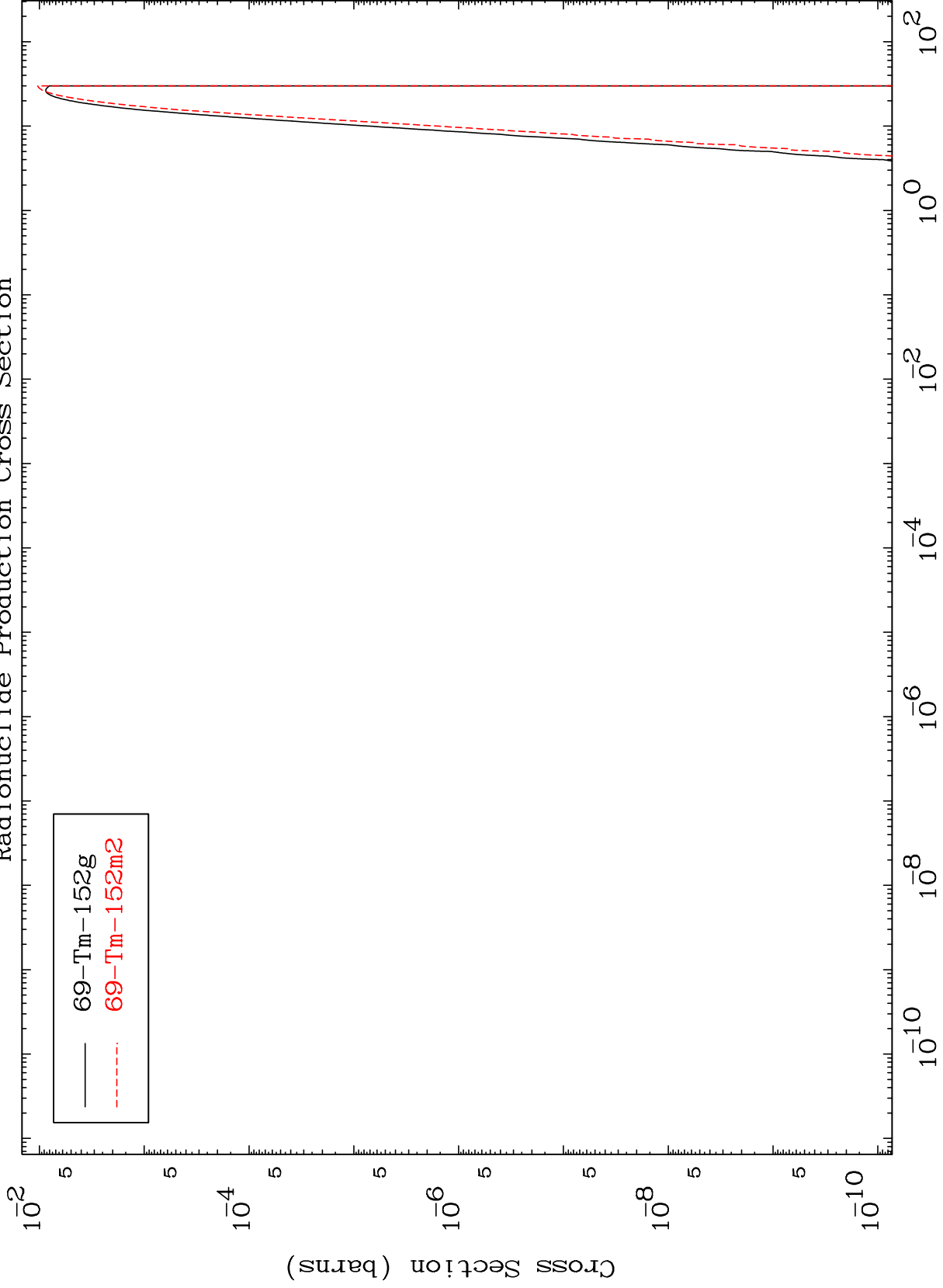


MAT 7062

(n,He-3)

71-Lu-154

Radionuclide Production Cross Section



74

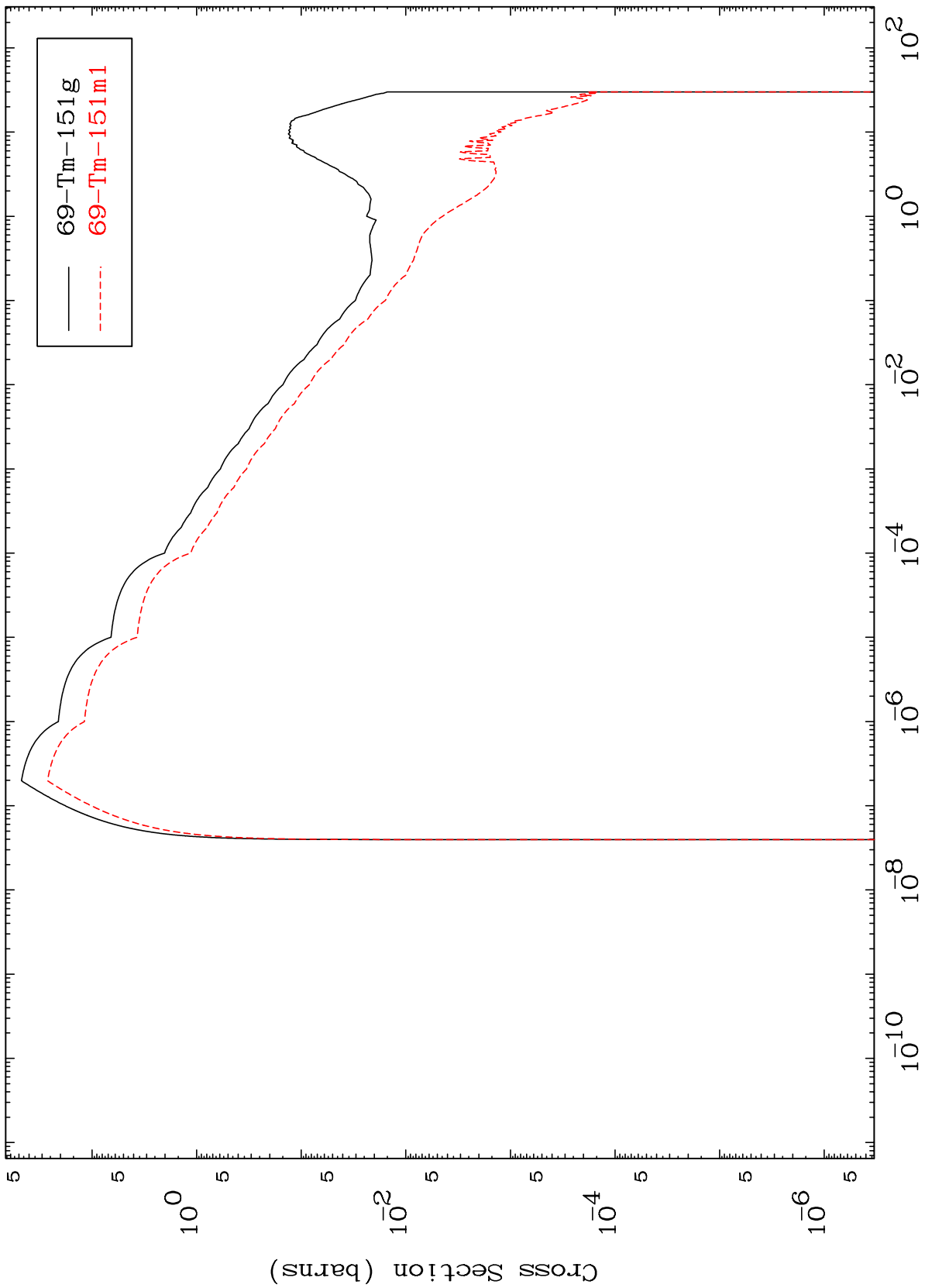
Incident Energy (MeV)

71-Lu-154

MAT 7062

71-Lu-154

$(n, \alpha)$   
Radionuclide Production Cross Section



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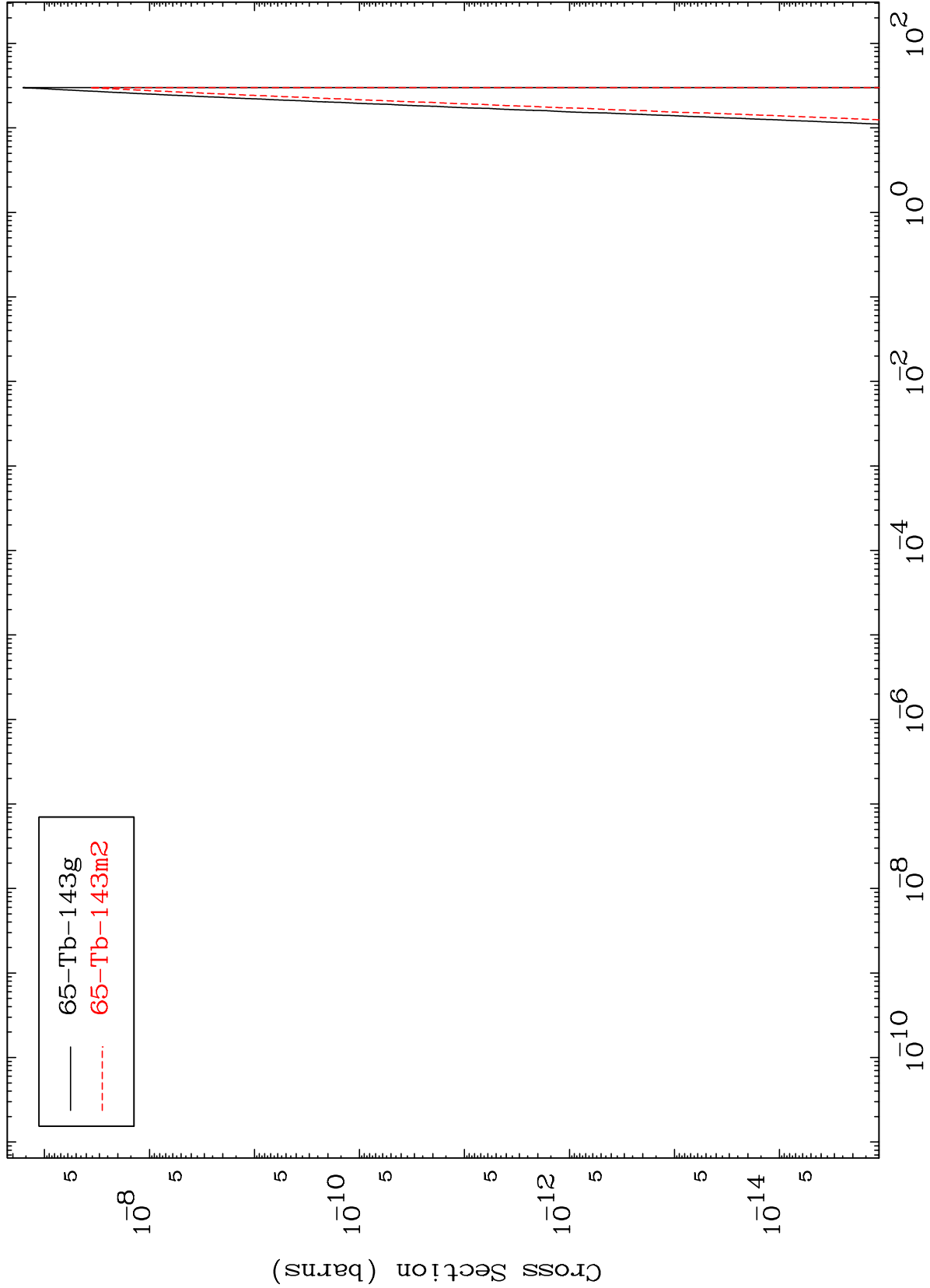
71-Lu-154

MAT 7062

(n, 3 $\alpha$ )

<sup>71</sup>Lu-154

Radionuclide Production Cross Section



— 65-Tb-143g  
- - - 65-Tb-143m2

76

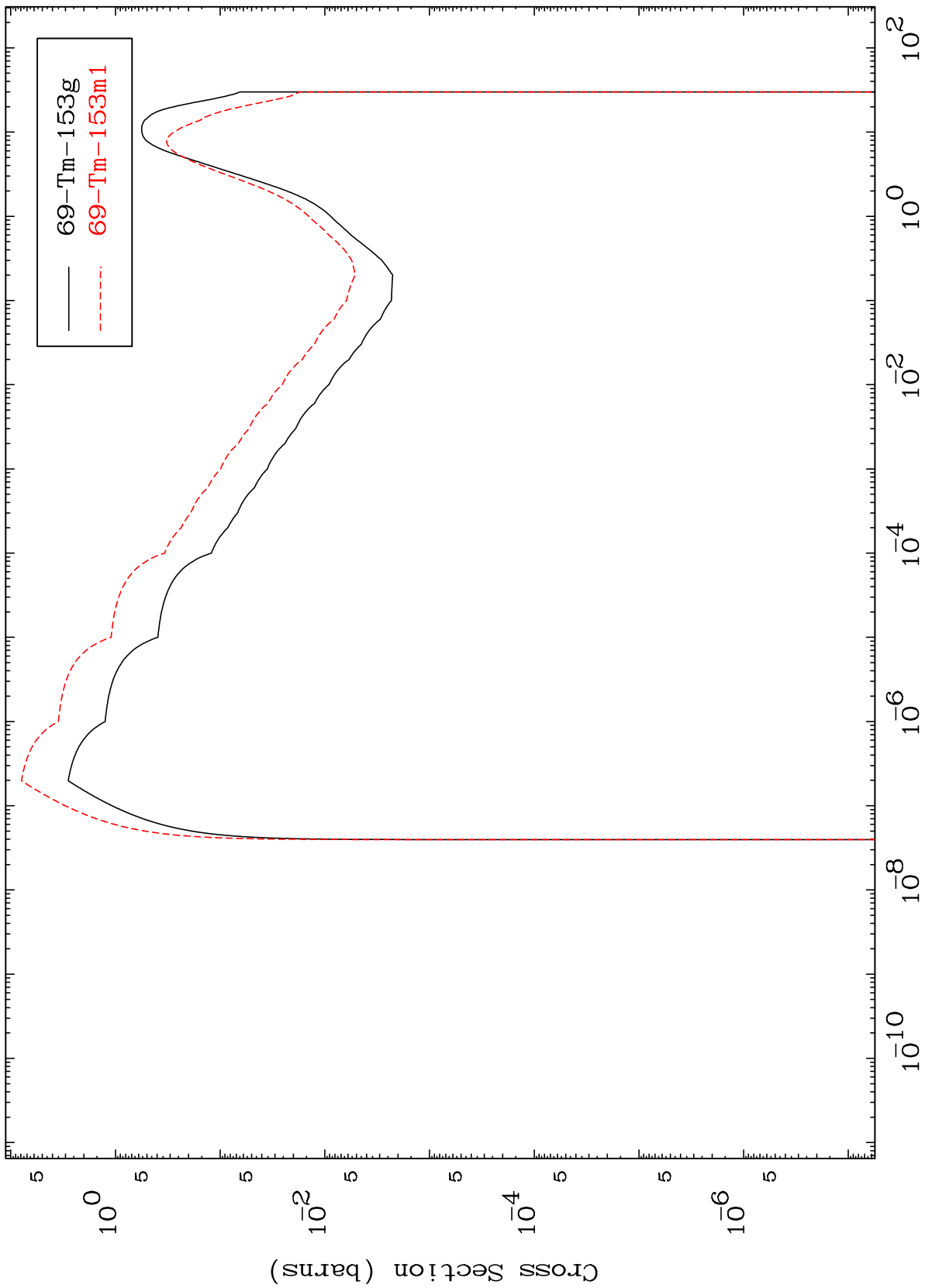
Incident Energy (MeV)

<sup>71</sup>Lu-154

MAT 7062

71-Lu-154

(n,2p)  
Radionuclide Production Cross Section



77

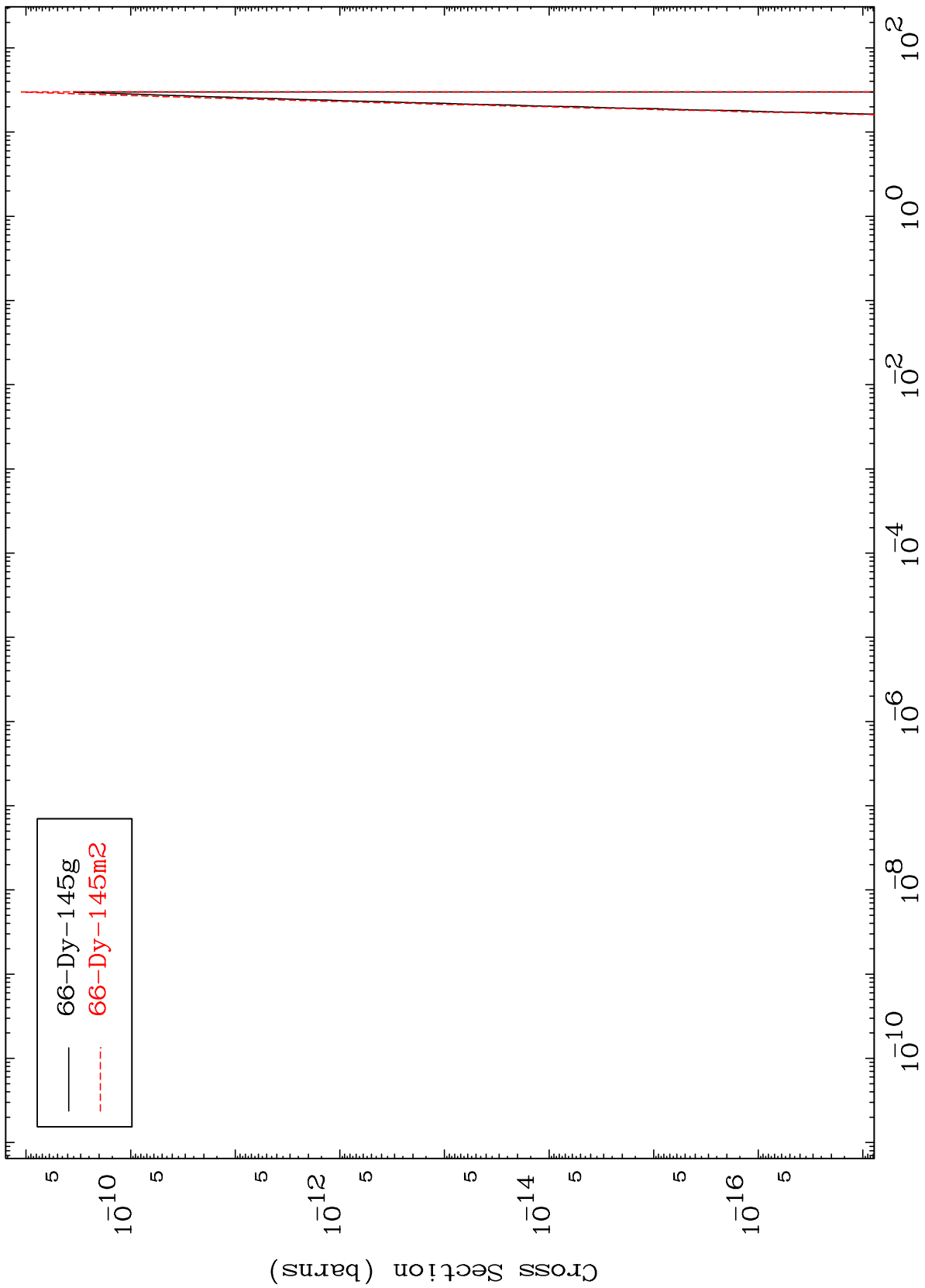
71-Lu-154

MAT 7062

(n,d) 2 $\alpha$

71-Lu-154

Radionuclide Production Cross Section



78

Incident Energy (MeV)

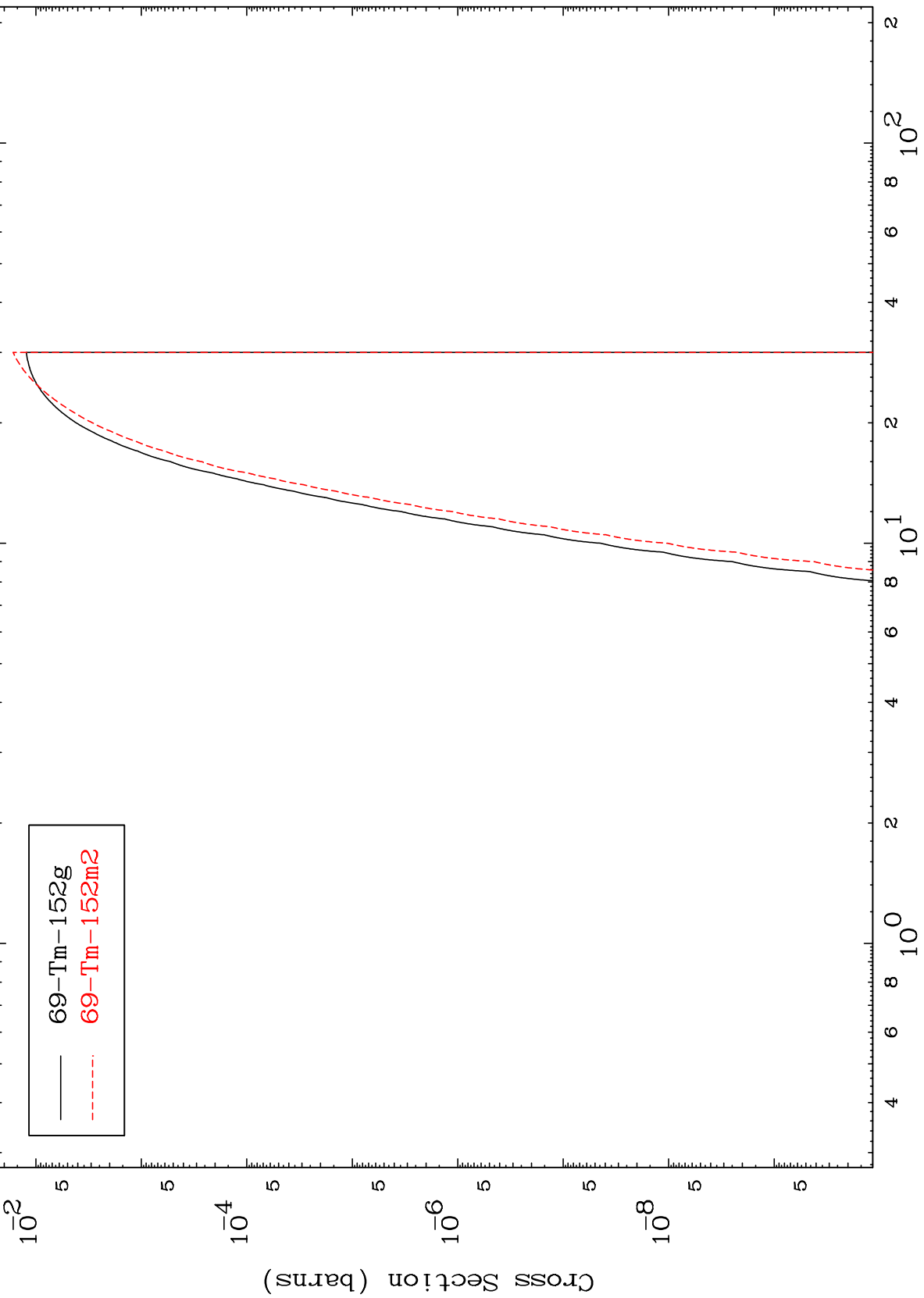
71-Lu-154

MAT 7062

(n,p) d

71-Lu-154

Radionuclide Production Cross Section



79

Incident Energy (MeV)

71-Lu-154

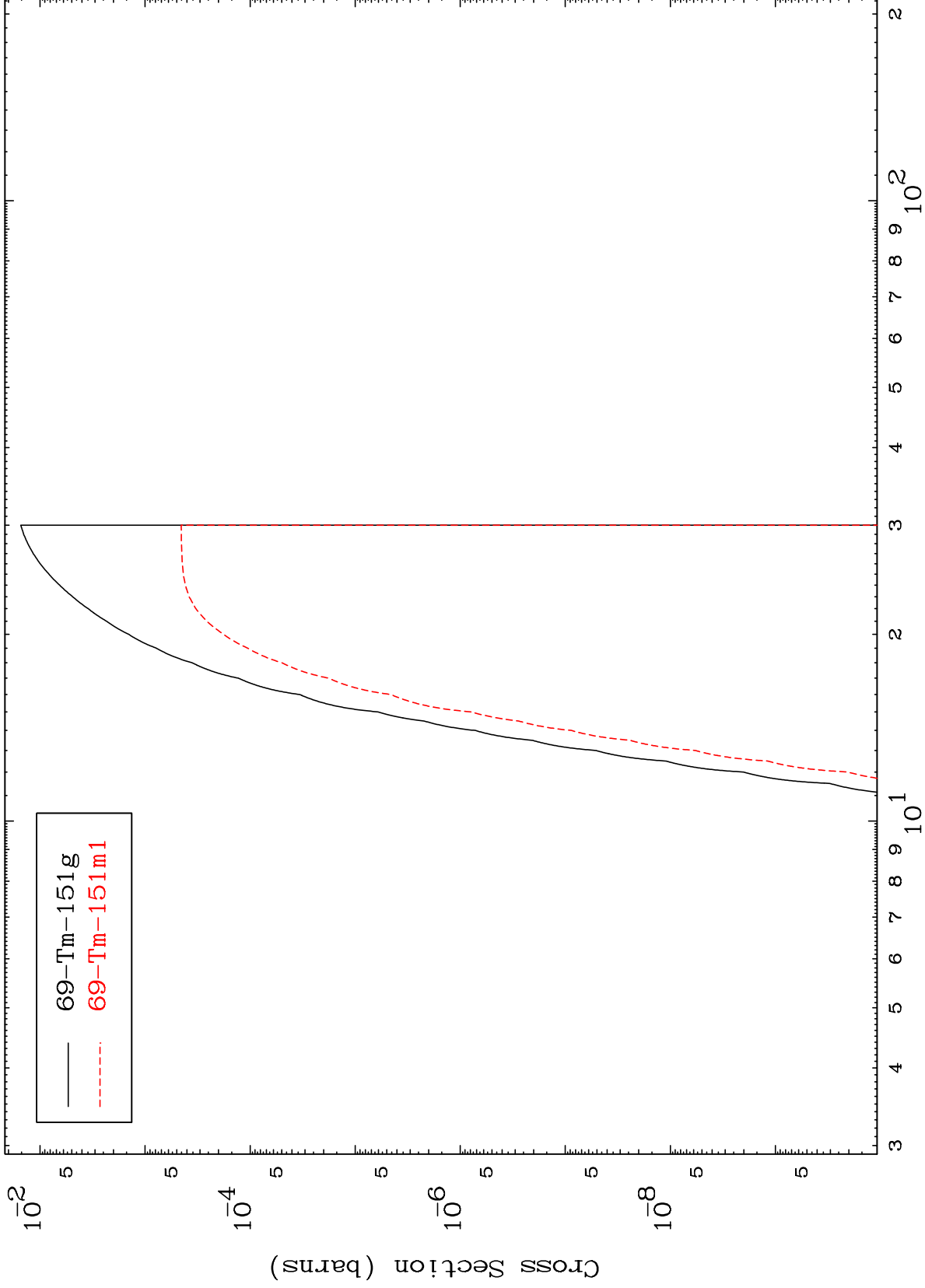


MAT 7062

(n,p) t

<sup>71</sup>Lu-154

Radionuclide Production Cross Section



— 69-Tm-151g  
- - - 69-Tm-151m1

80

Incident Energy (MeV)

<sup>71</sup>Lu-154

MAT 7062

(n,d)  $\alpha$

<sup>71</sup>Lu-154

Radionuclide Production Cross Section

