

Program EVALPLOT  
(Version 2021-1)

by

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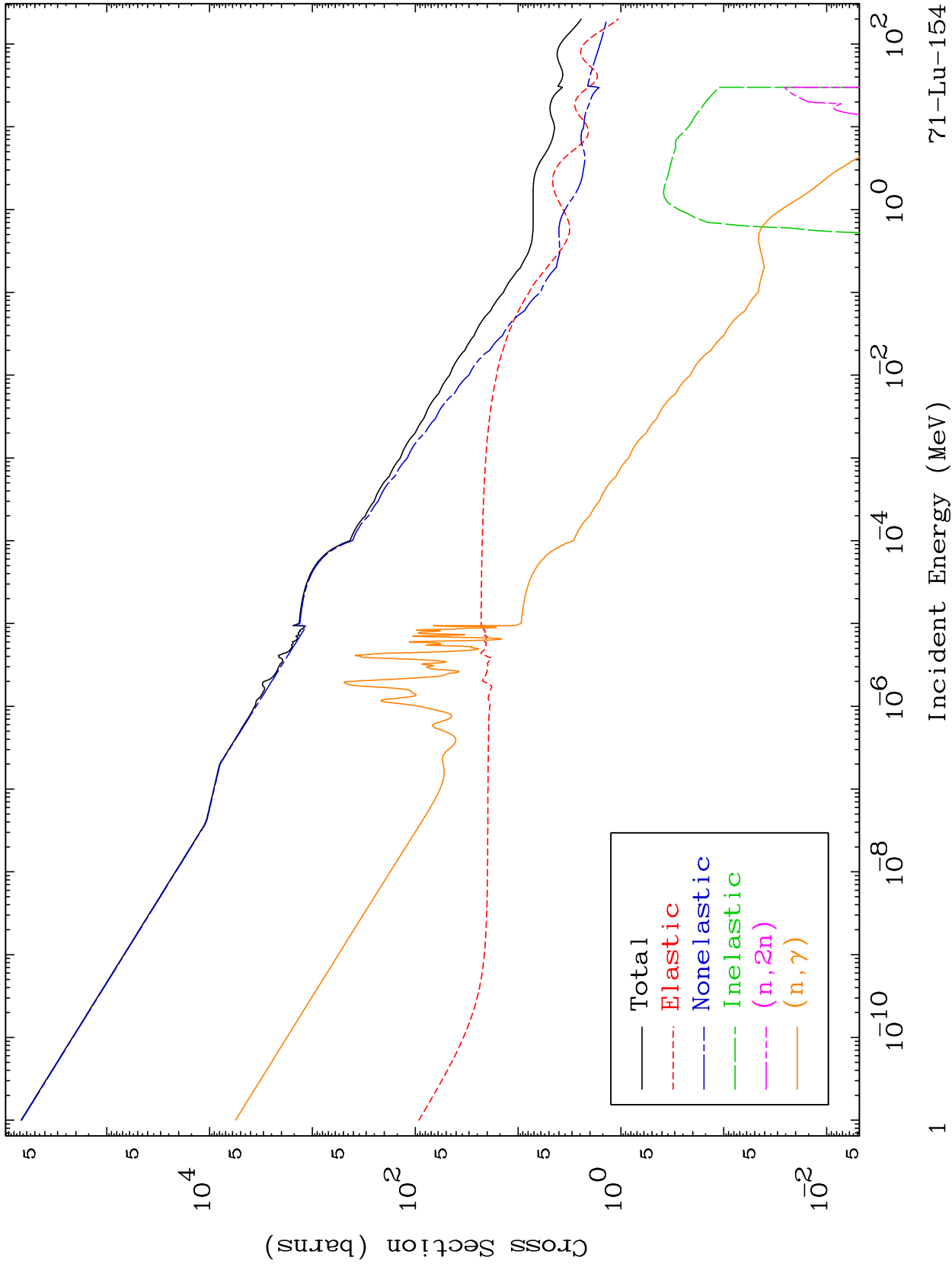
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Press Mouse Button to Start

MAT 7062

Neutron Major  
293 Kelvin Cross Sections

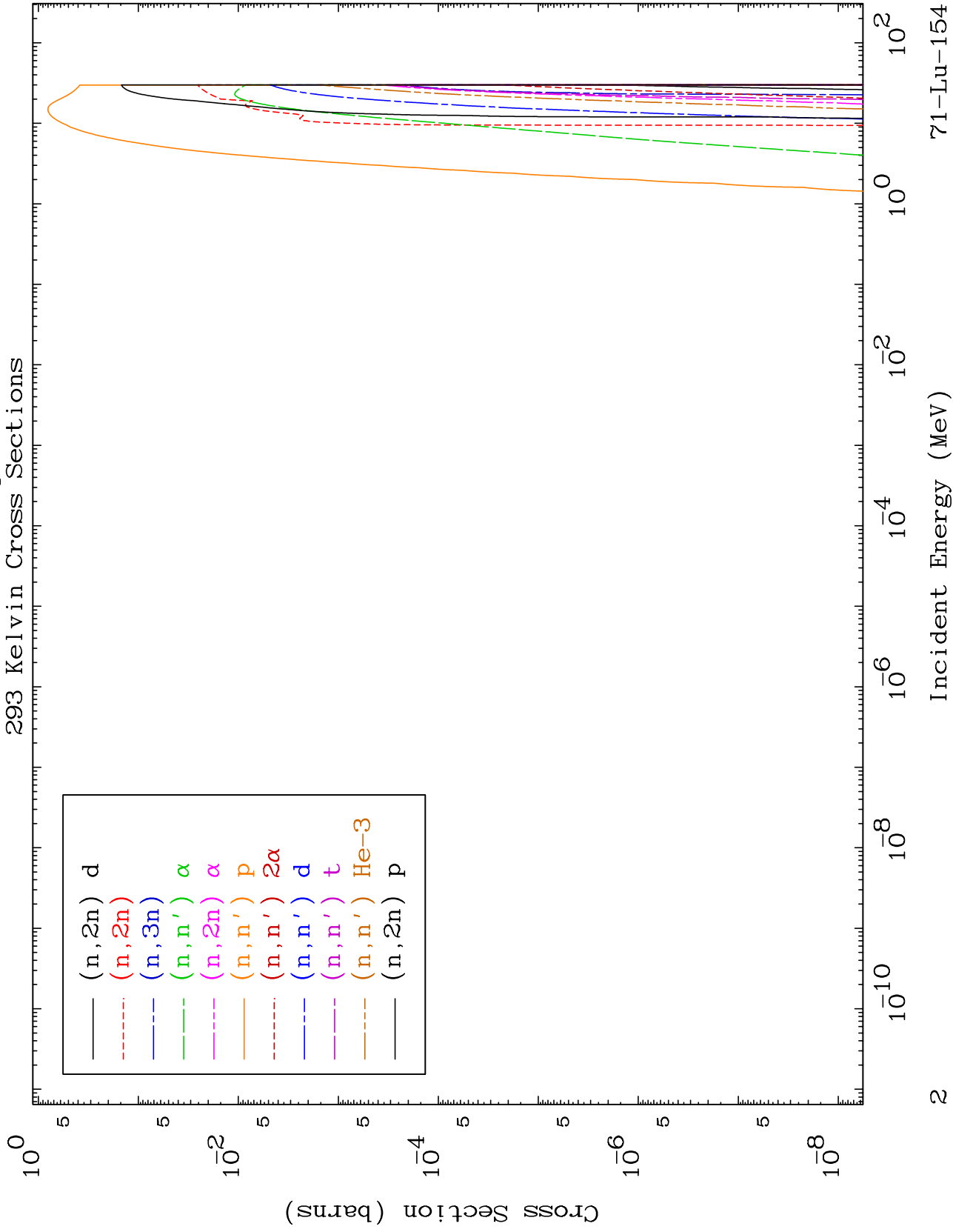
71-Lu-154



MAT 7062

Neutron Absorption  
293 Kelvin Cross Sections

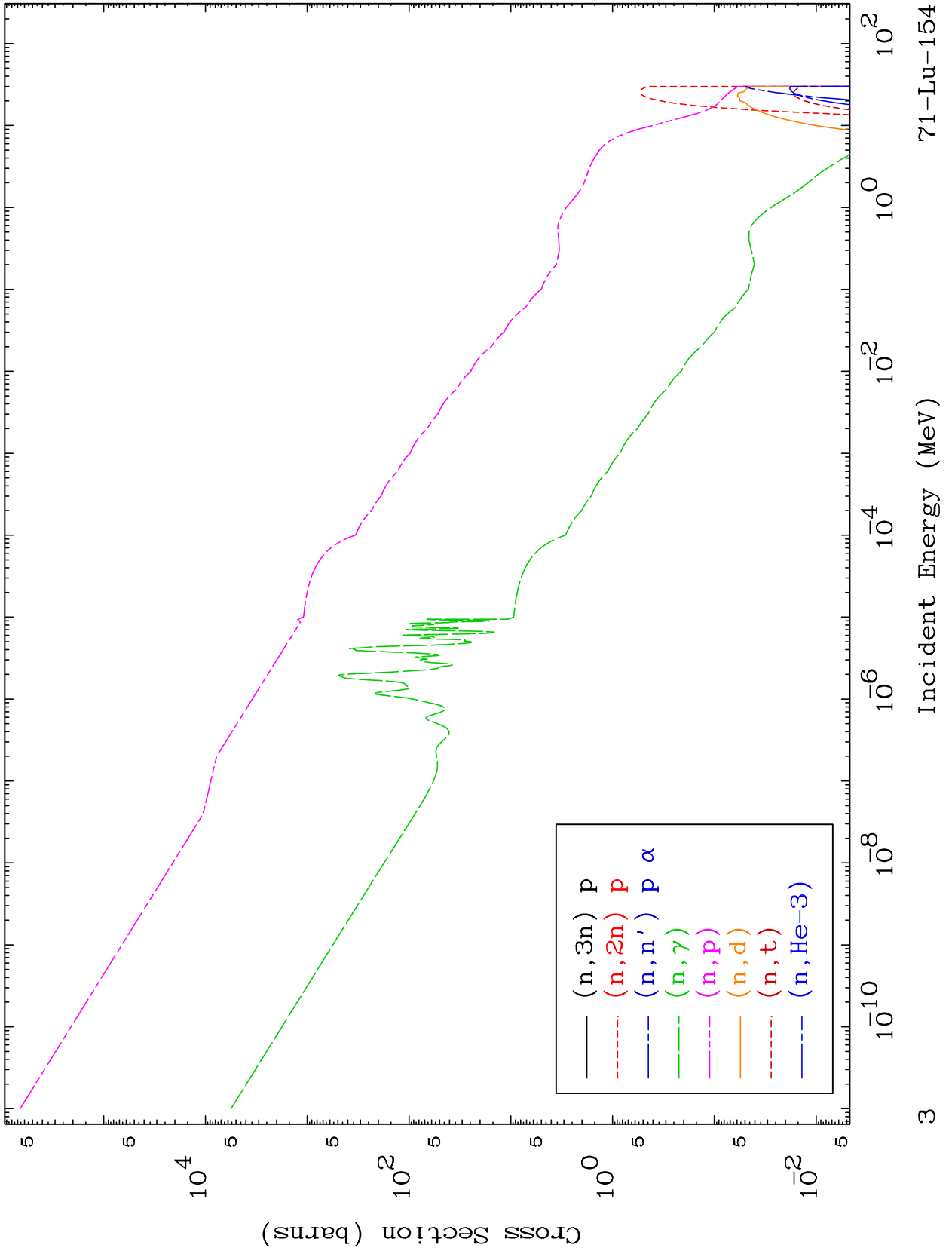
71-Lu-154



MAT 7062

Neutron Absorption  
293 Kelvin Cross Sections

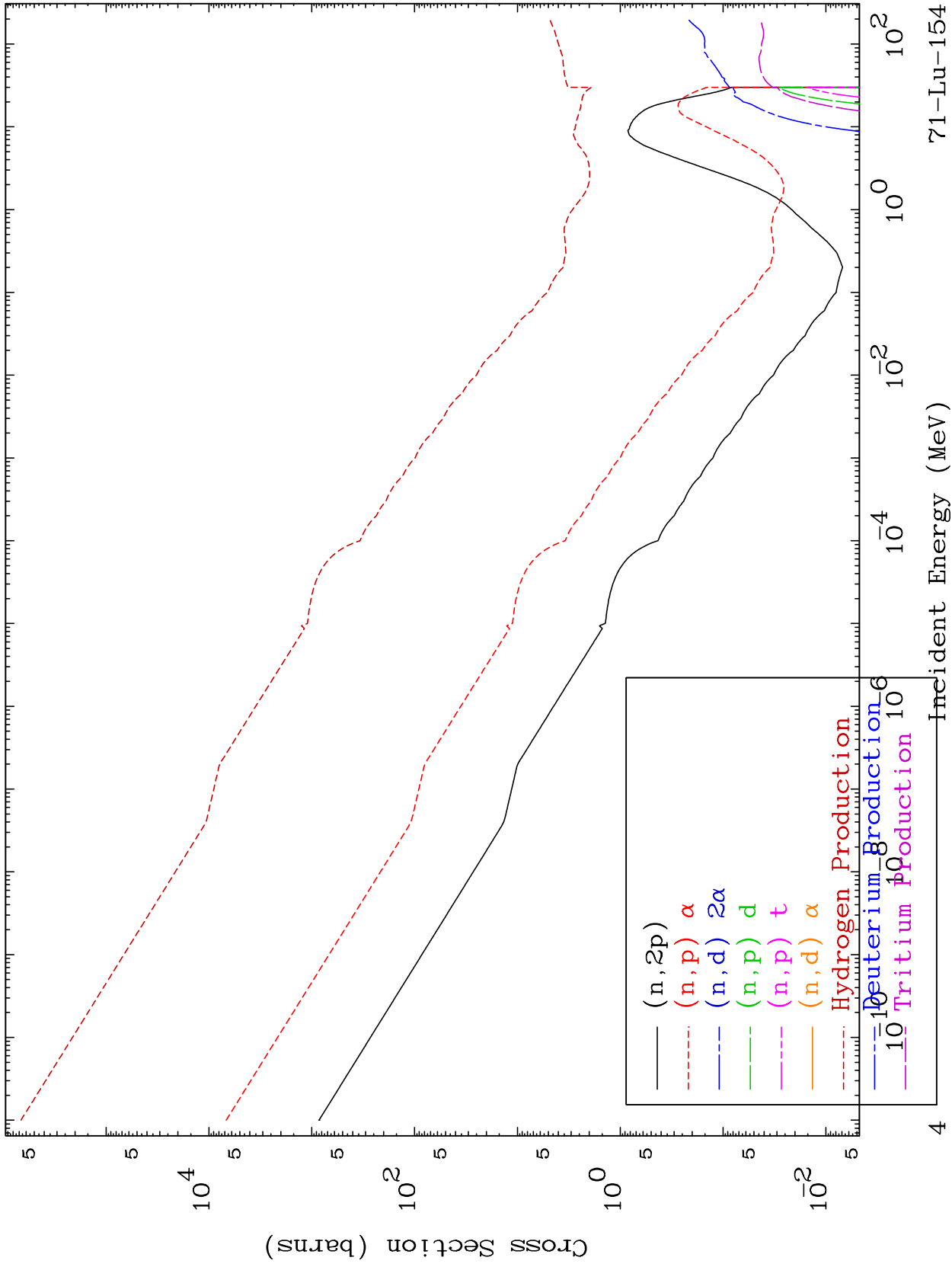
<sup>71</sup>Lu-154



MAT 7062

Neutron Absorption  
293 Kelvin Cross Sections

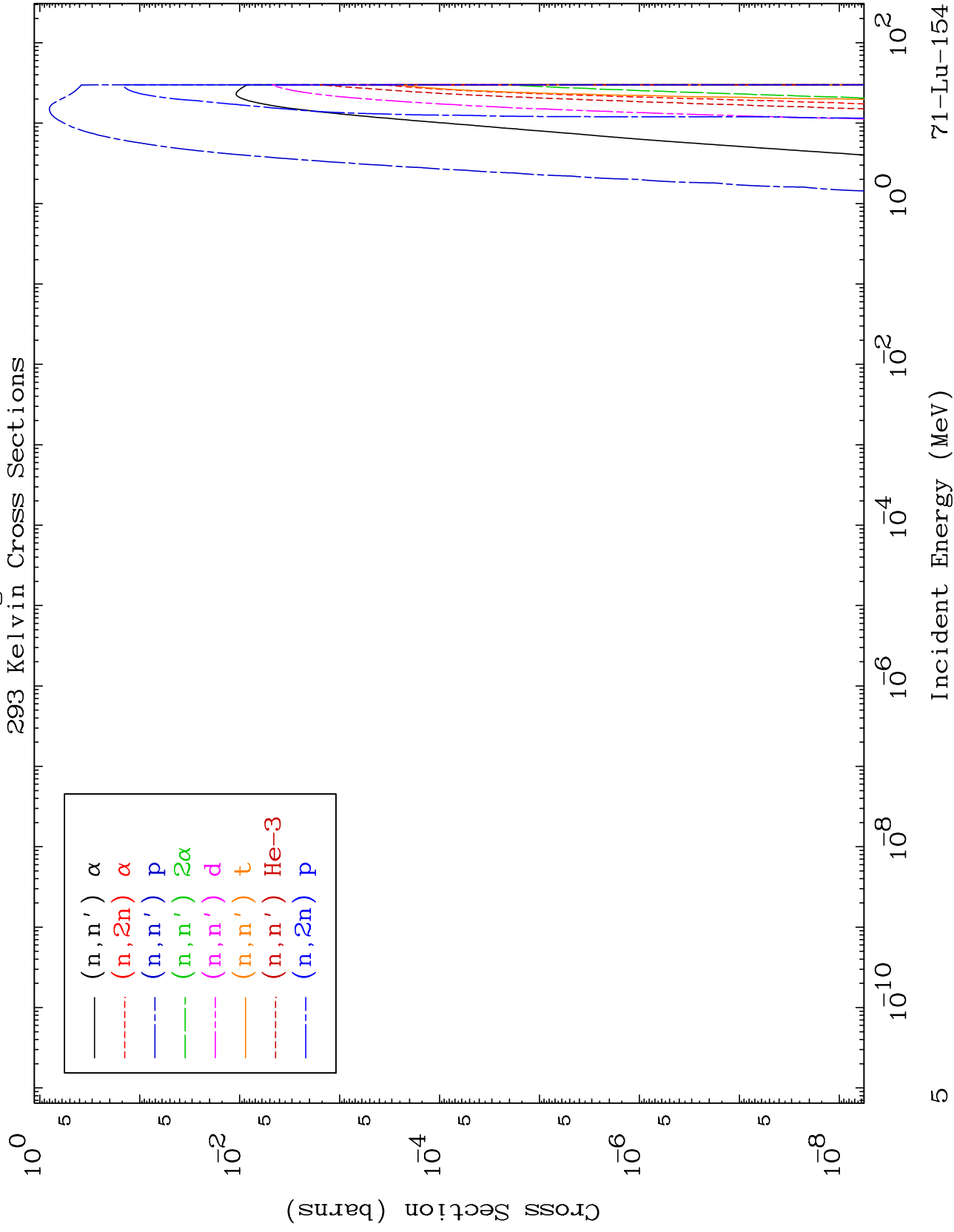
71-Lu-154



MAT 7062

Charged Particle  
293 Kelvin Cross Sections

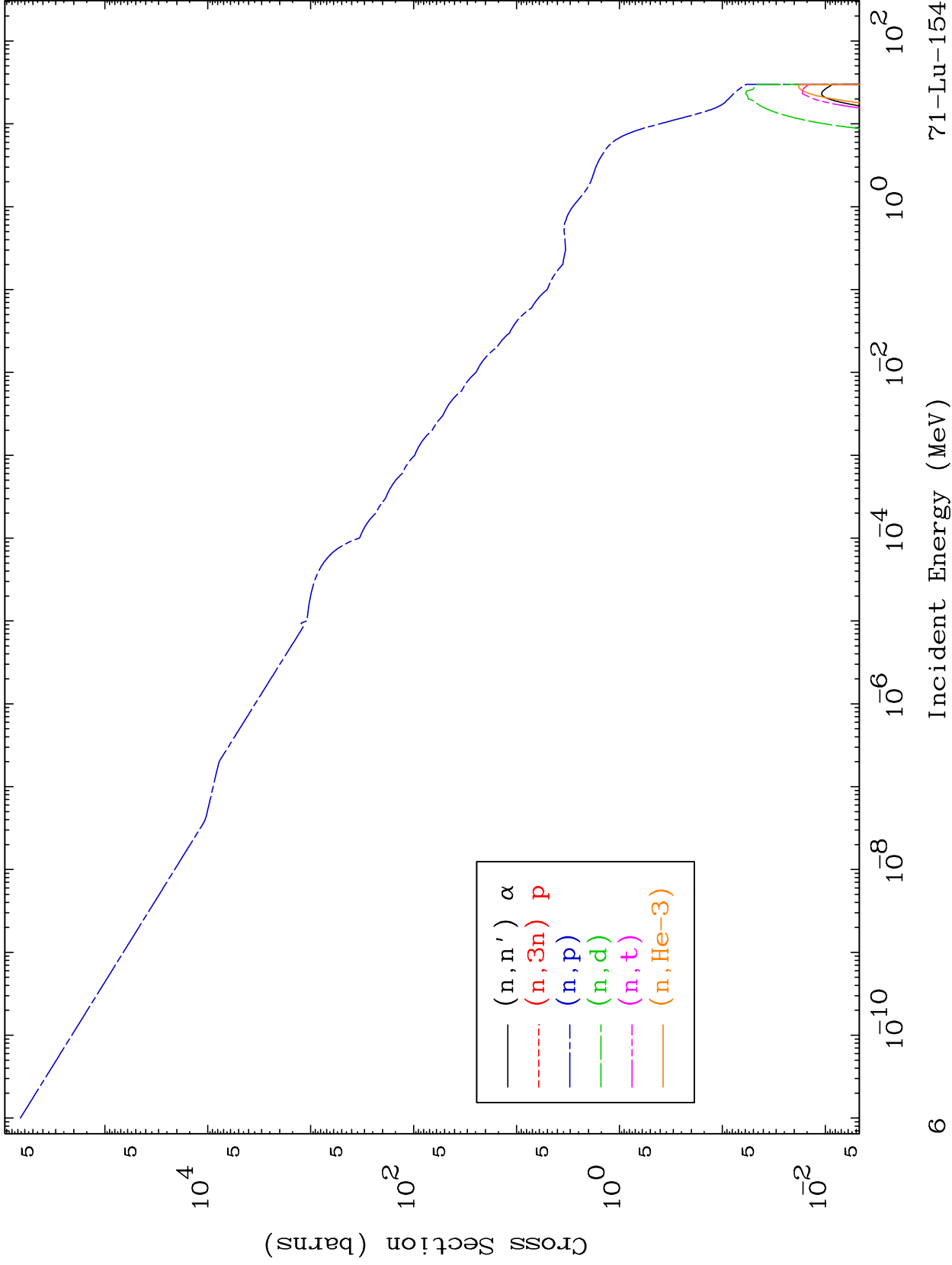
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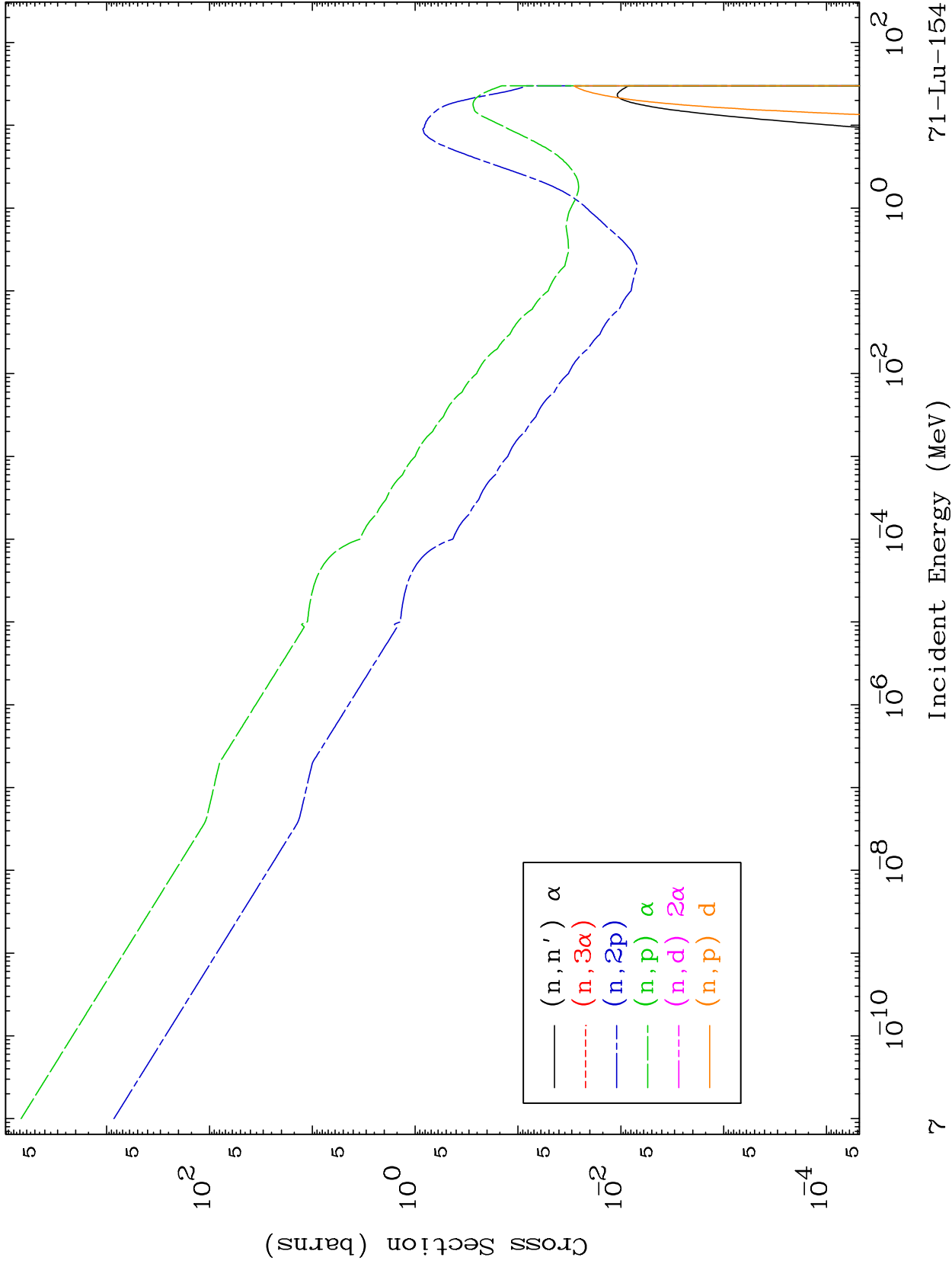


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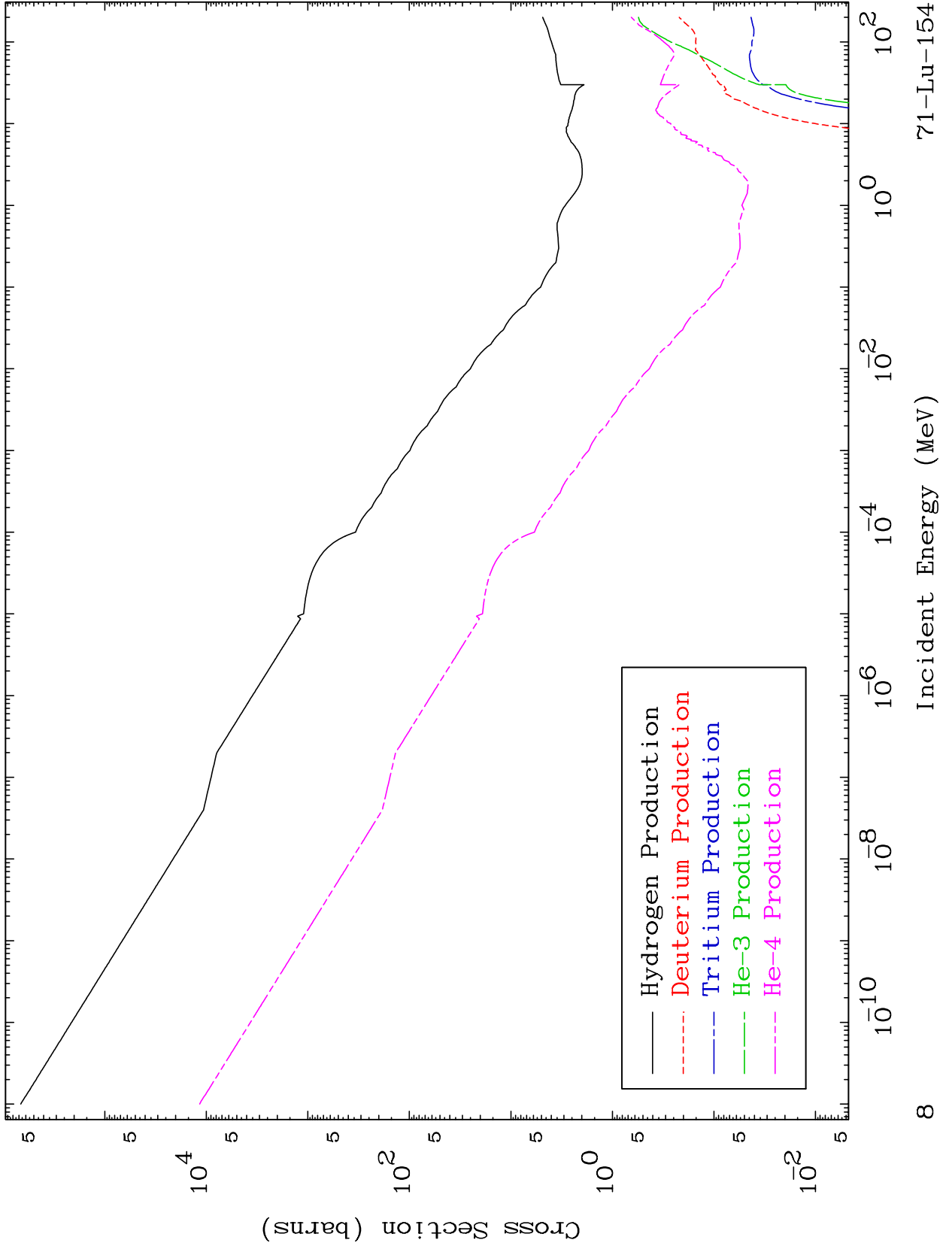
Charged Particle  
293 Kelvin Cross Sections

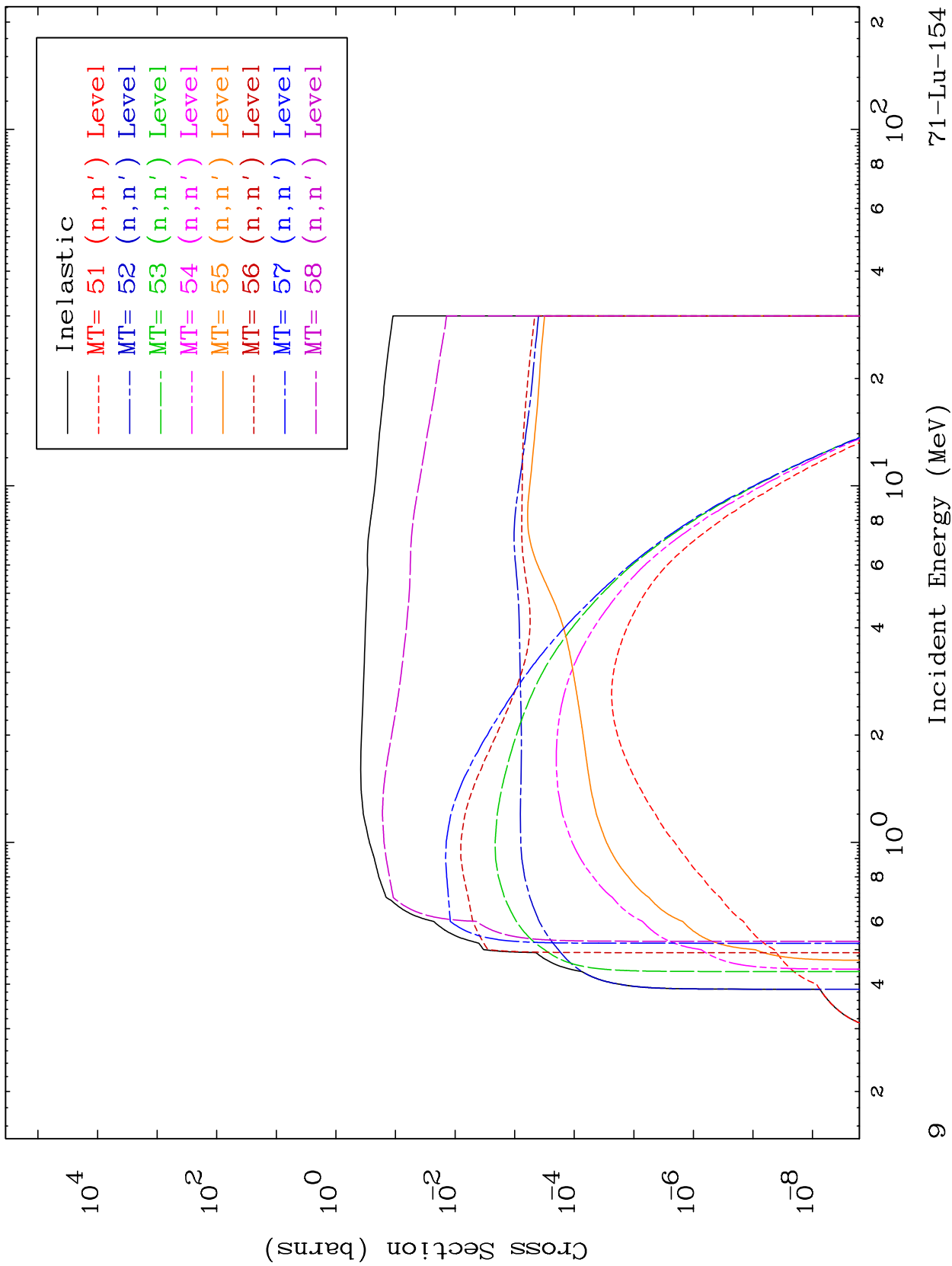
71-Lu-154









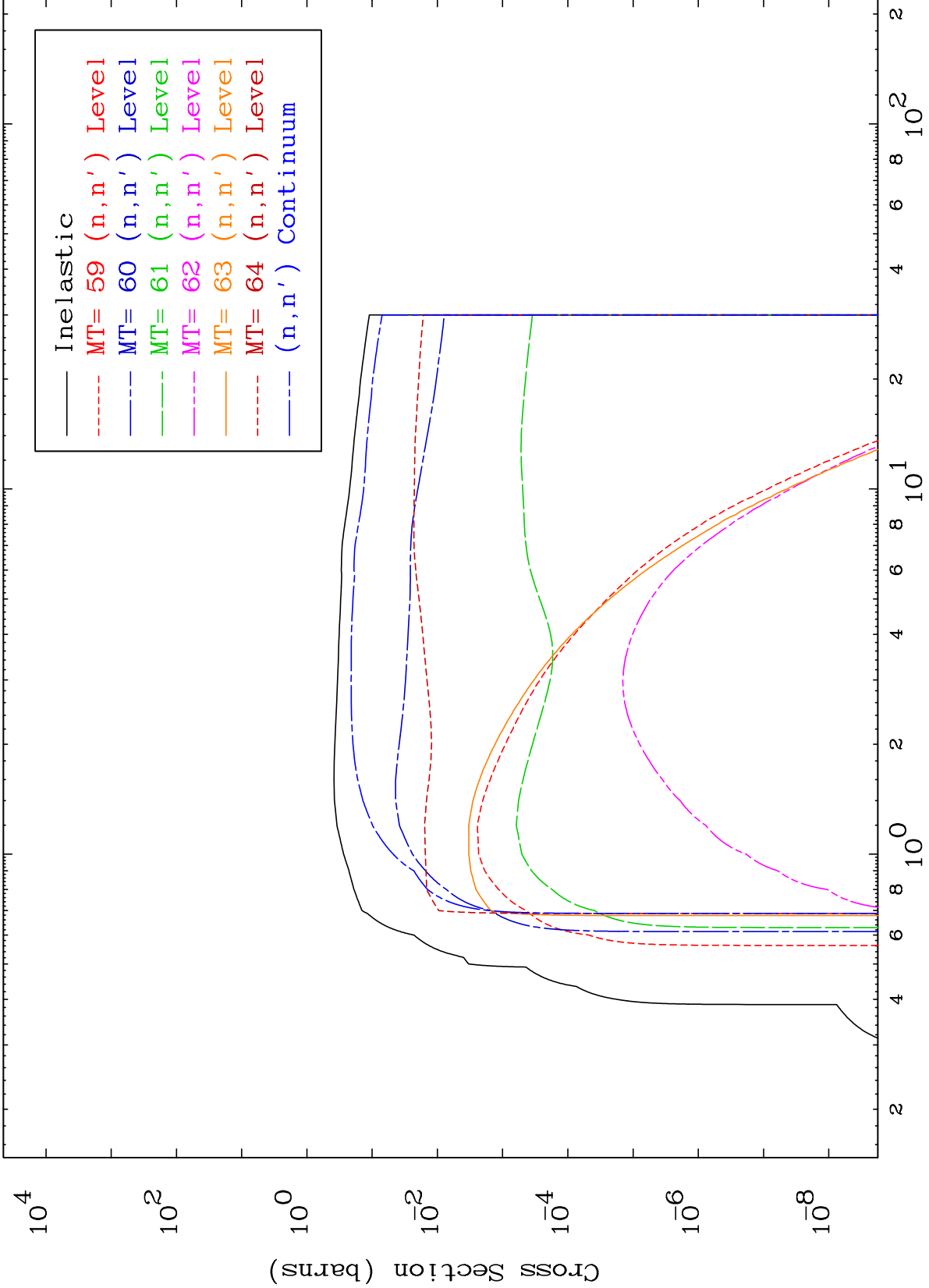


MAT 7062

(n,n') Levels

71-Lu-154

293 Kelvin Cross Sections



10

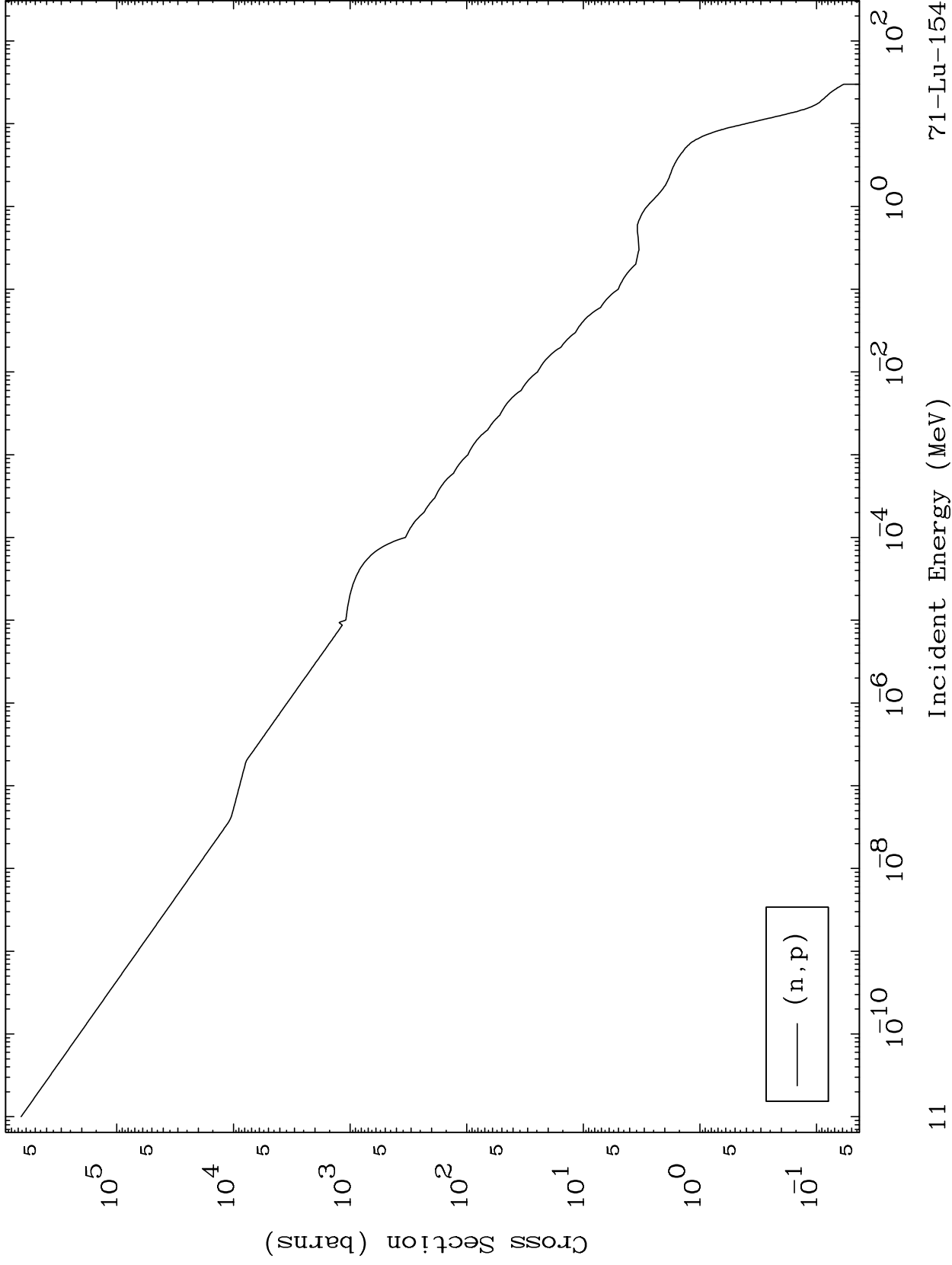
Incident Energy (MeV)

71-Lu-154

MAT 7062

(n,p) Levels  
293 Kelvin Cross Sections

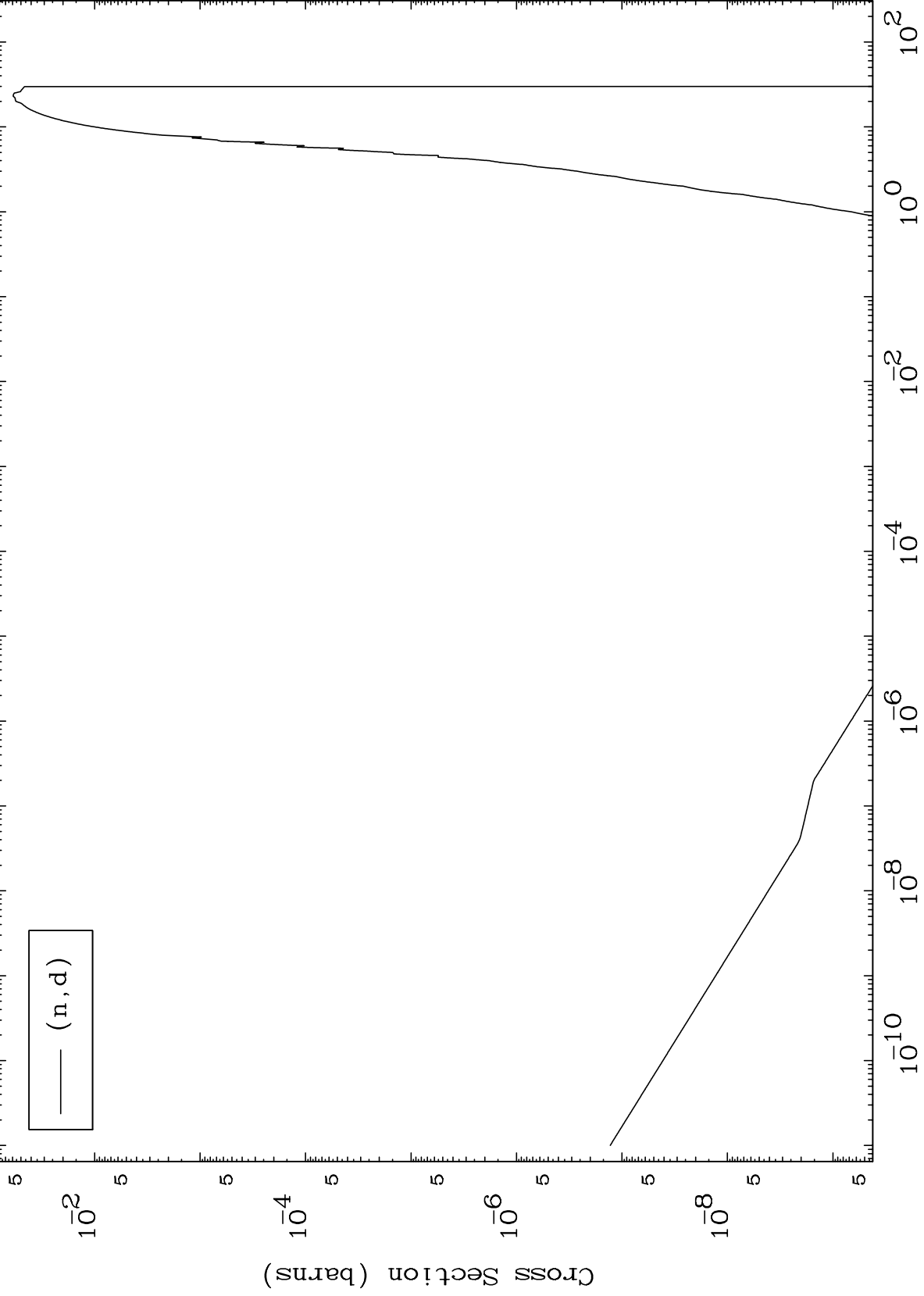
71-Lu-154



MAT 7062

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-154



12

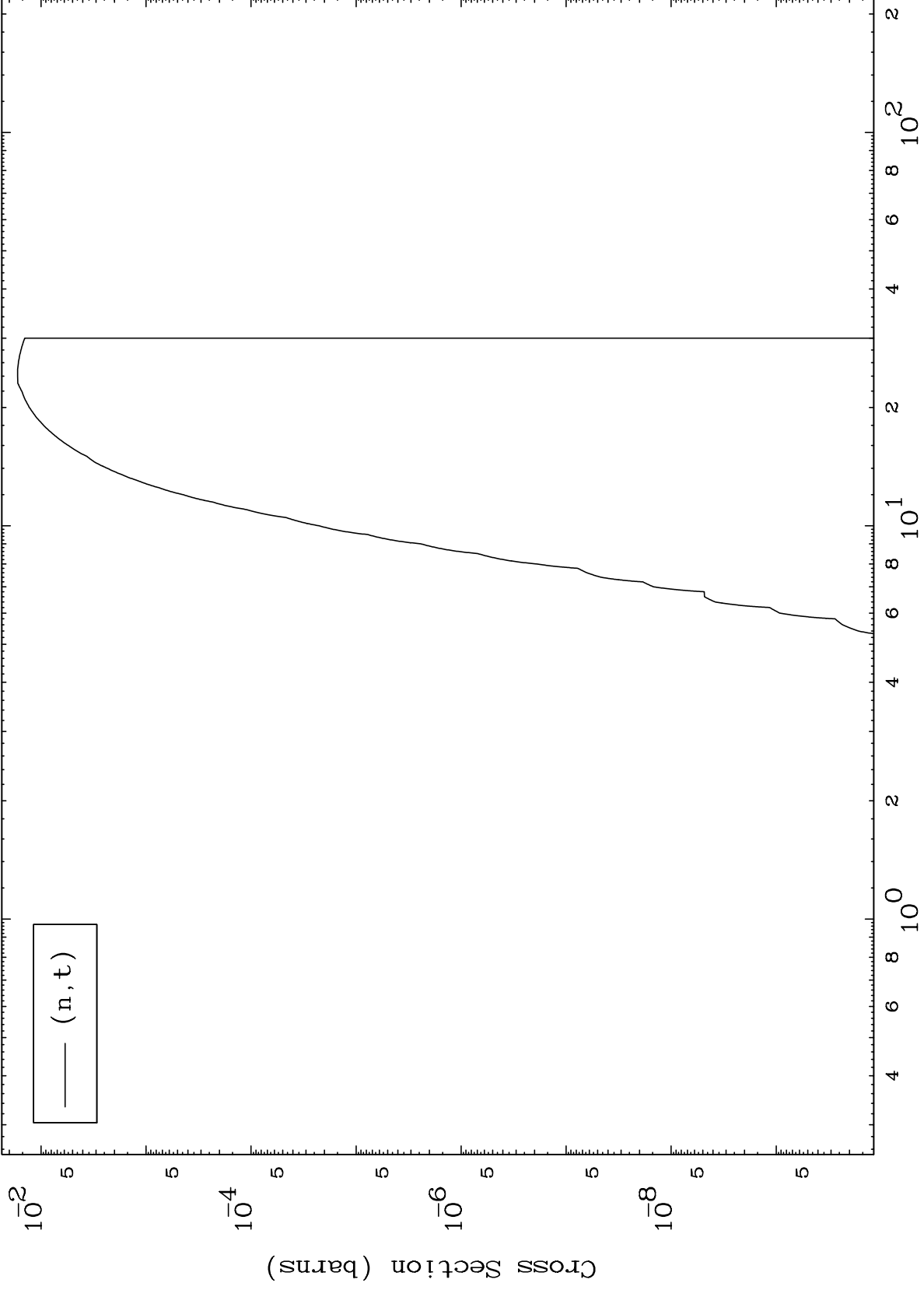
Incident Energy (MeV)

71-Lu-154

MAT 7062

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-154



13

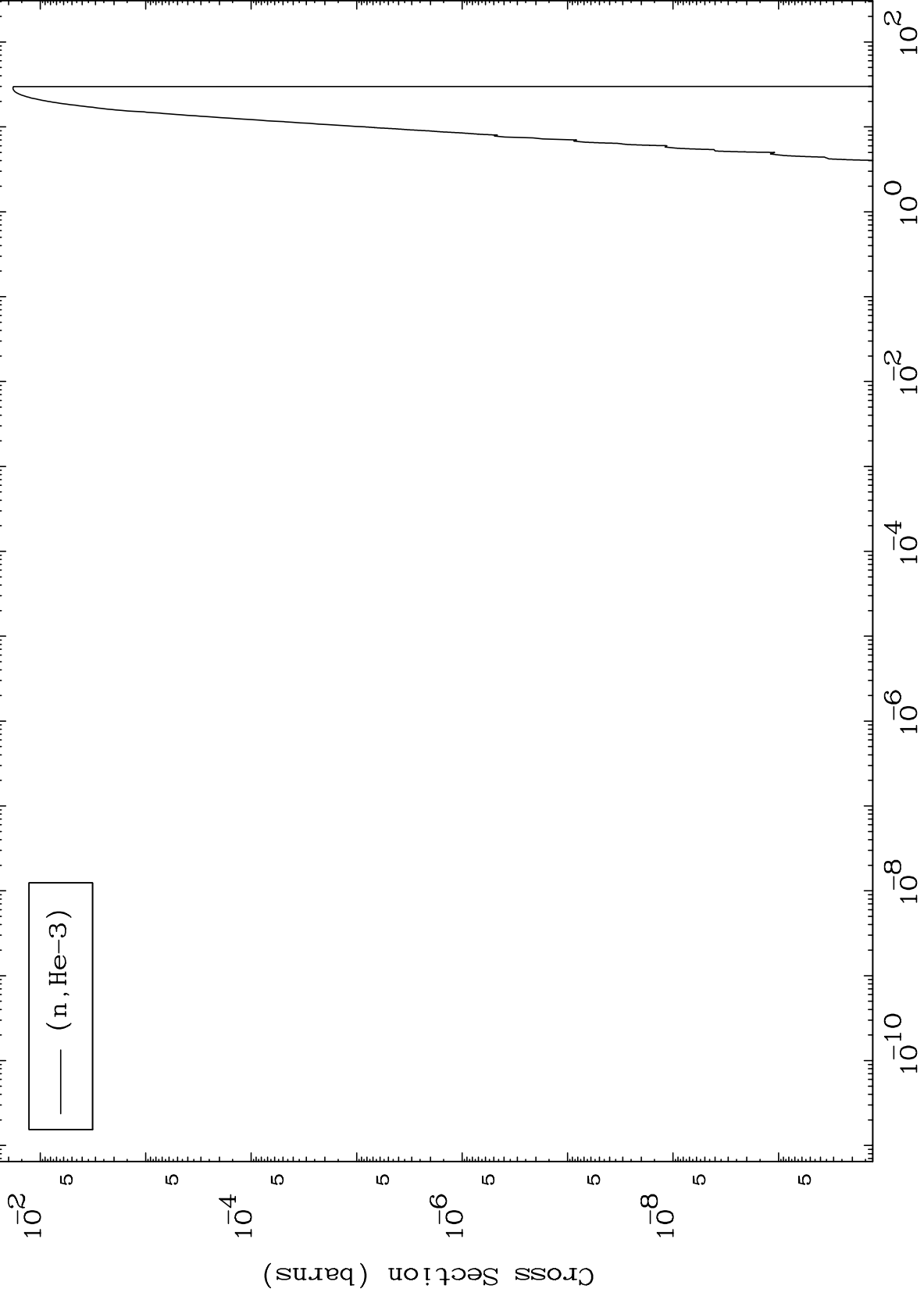
Incident Energy (MeV)

71-Lu-154

MAT 7062

(n,He3) Levels  
293 Kelvin Cross Sections

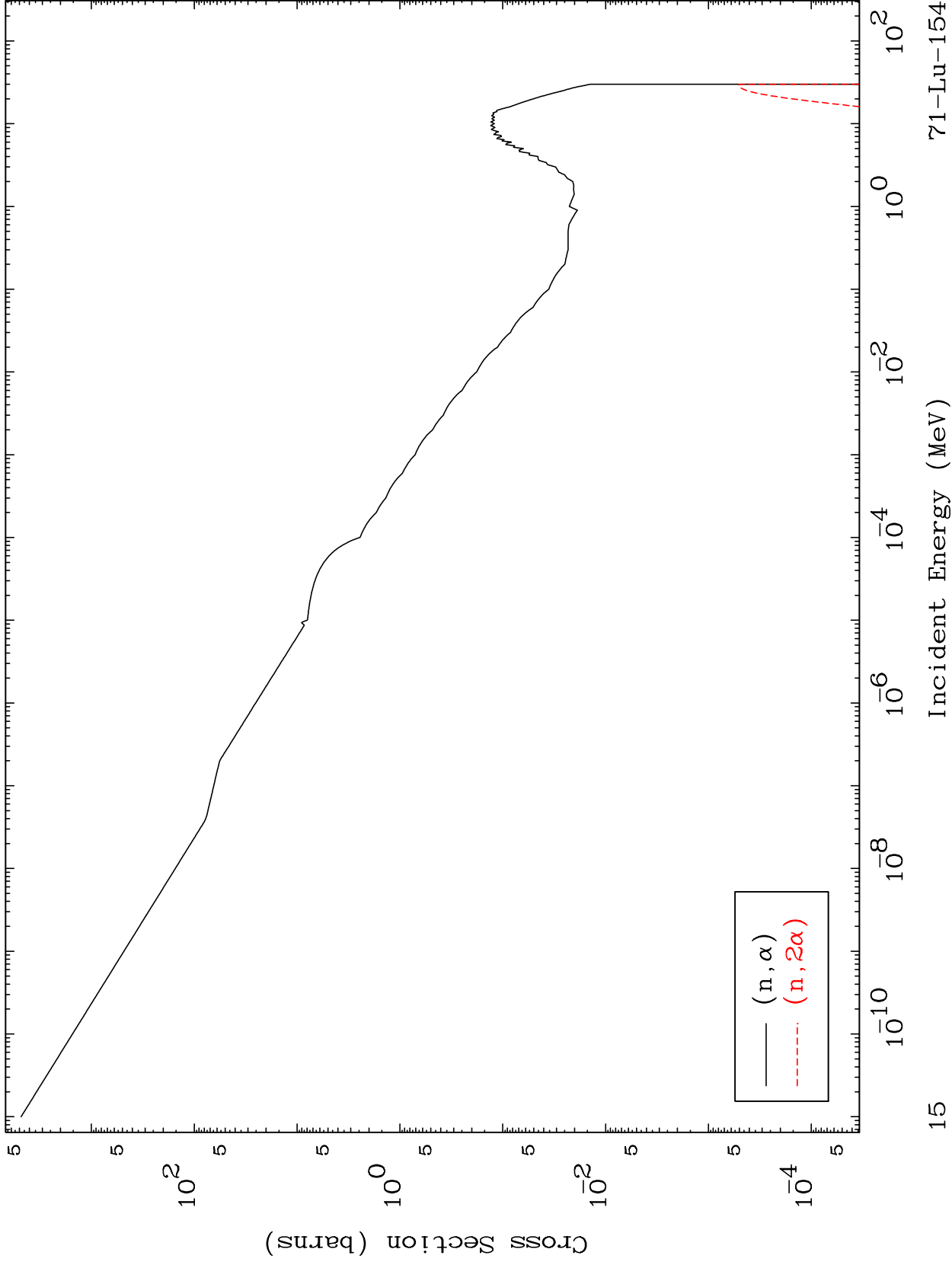
71-Lu-154



MAT 7062

(n,α) Levels  
293 Kelvin Cross Sections

71-Lu-154

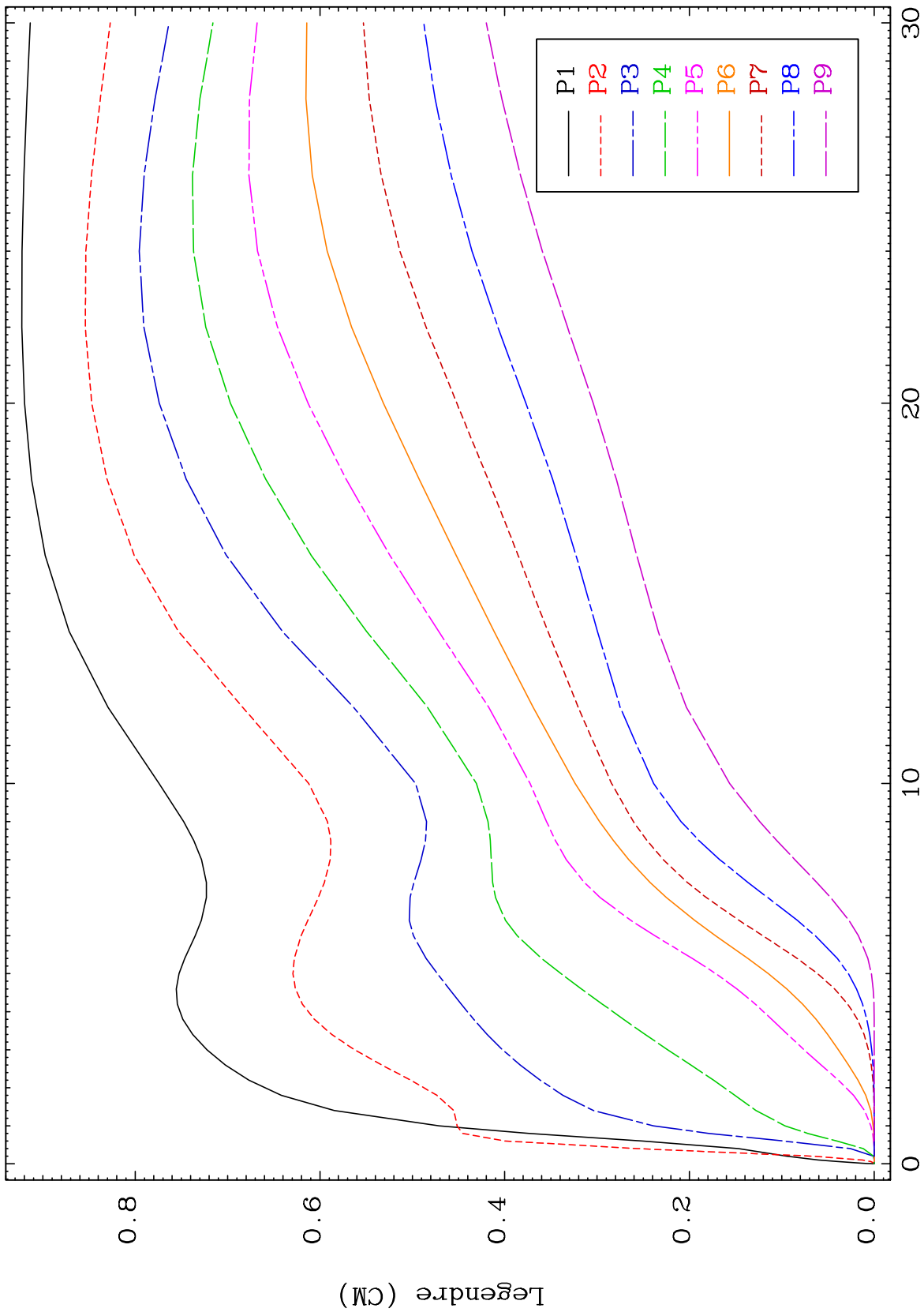




MAT 7062

71-Lu-154

Elastic Legendre Coefficients



16

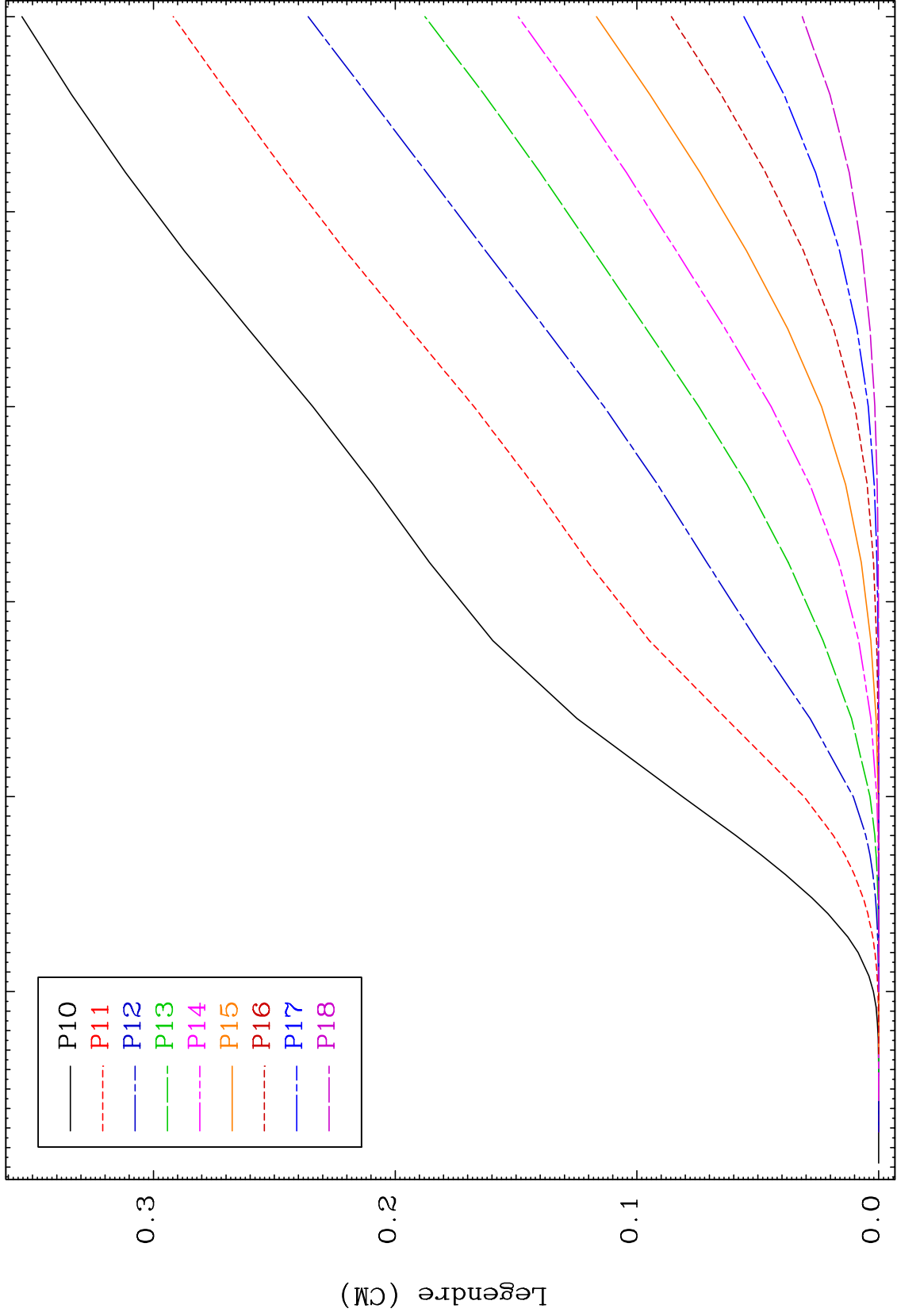
Incident Energy (MeV)

71-Lu-154

MAT 7062

Elastic Legendre Coefficients

<sup>71</sup>Lu-154



17

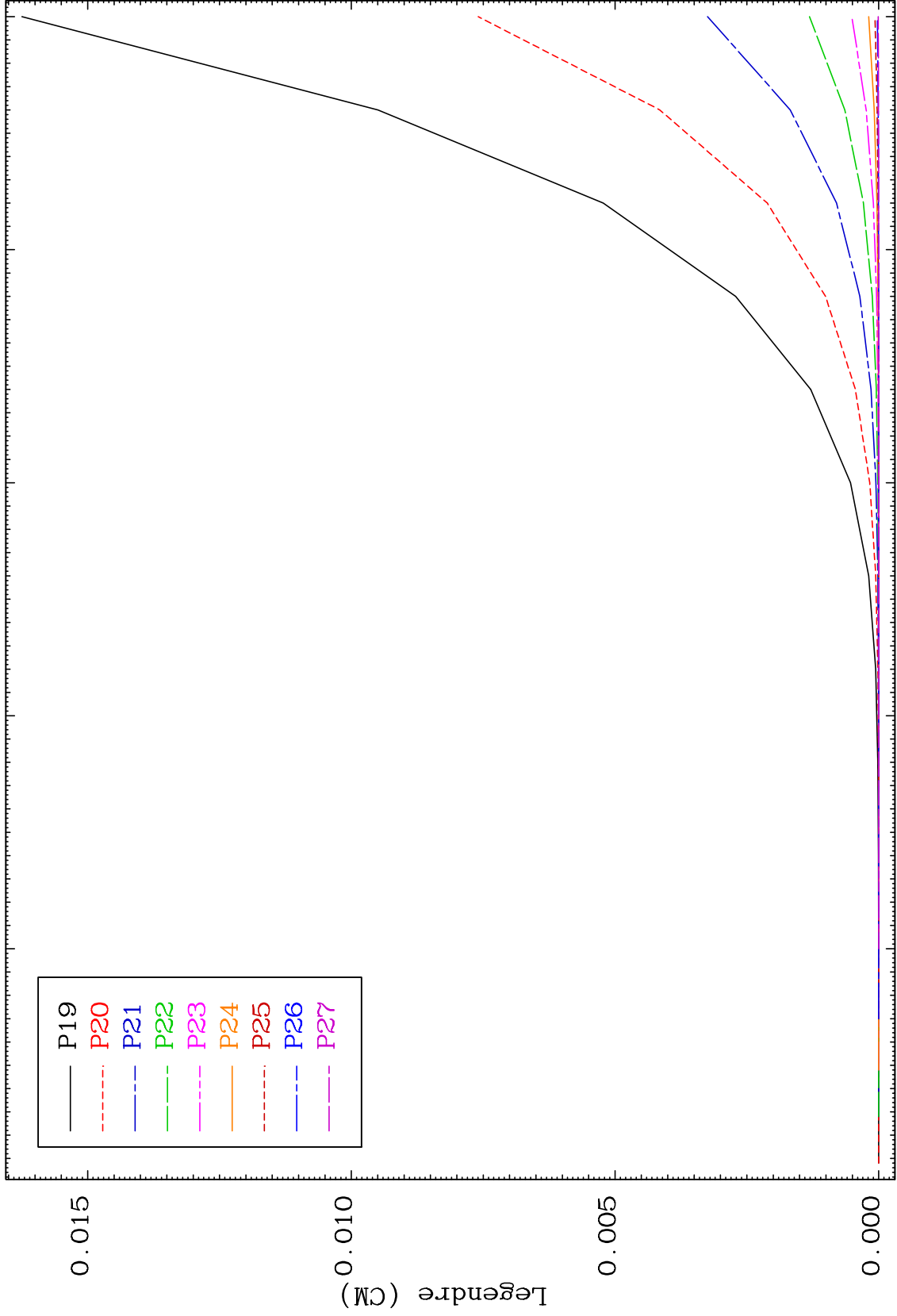
Incident Energy (MeV)

<sup>71</sup>Lu-154

MAT 7062

### Elastic Legendre Coefficients

71-Lu-154



18

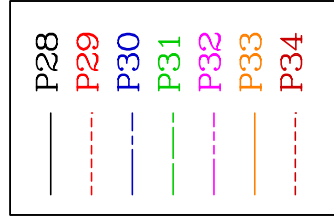
Incident Energy (MeV)

71-Lu-154

MAT 7062

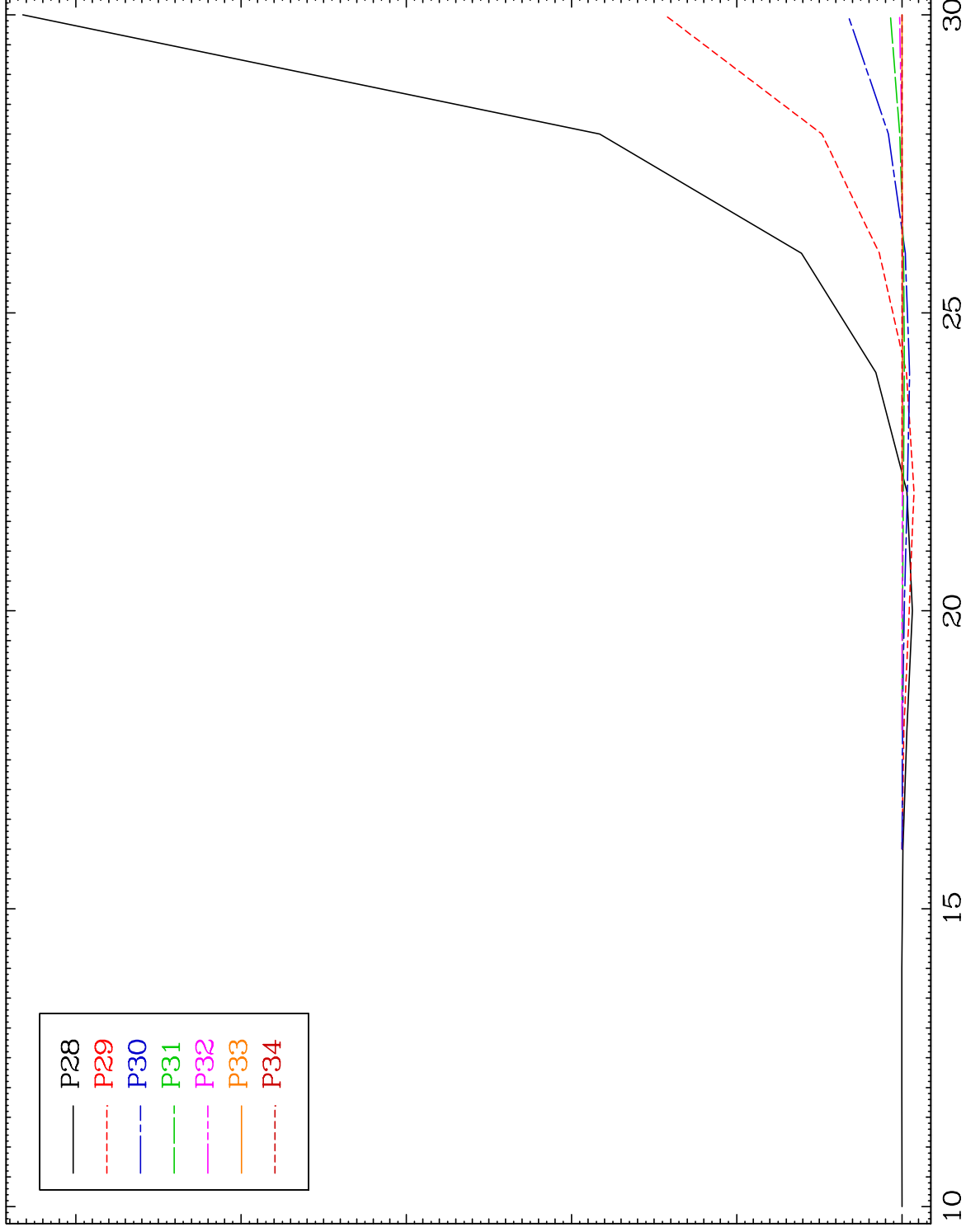
Elastic Legendre Coefficients

71-Lu-154



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

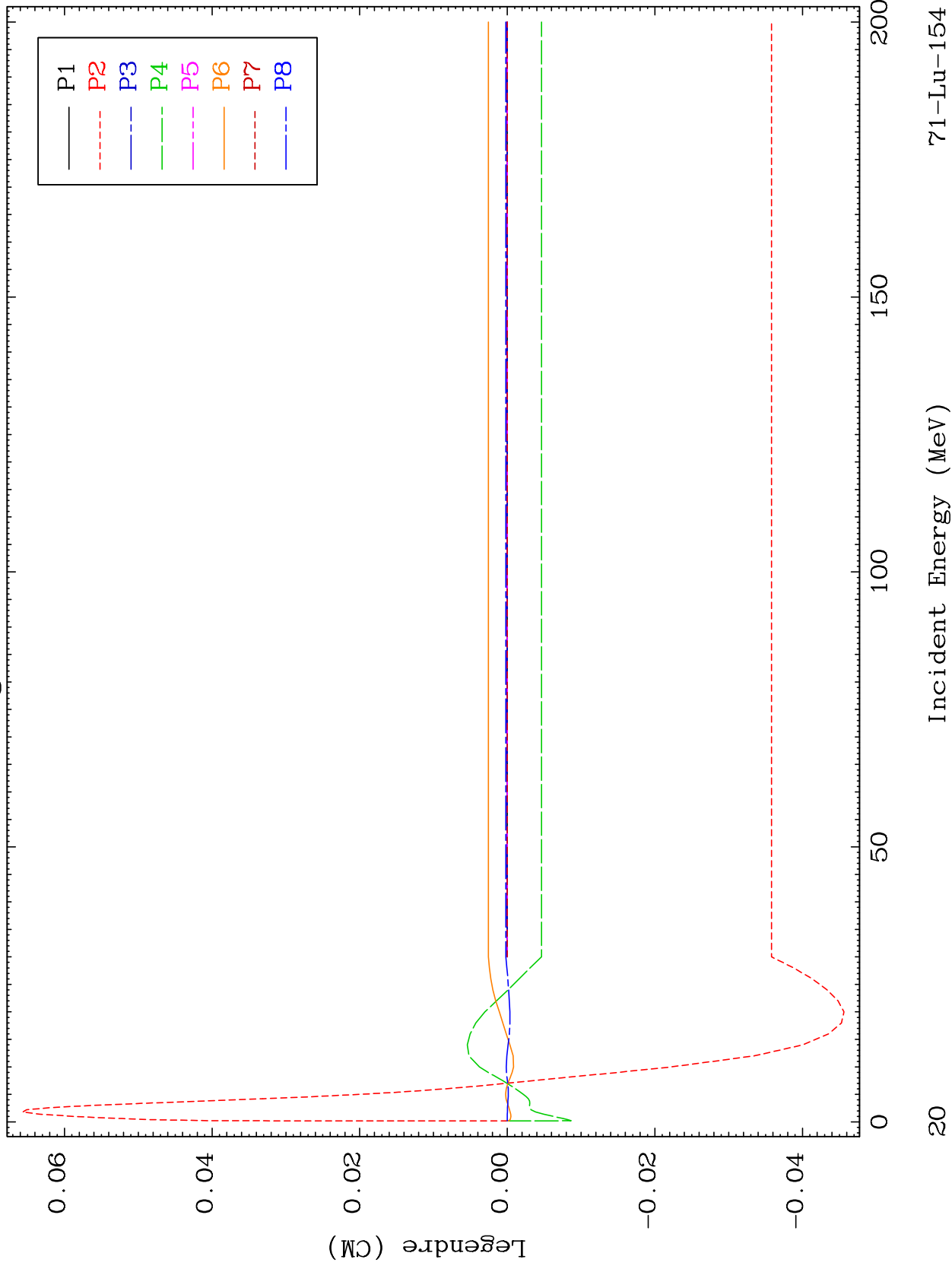
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154

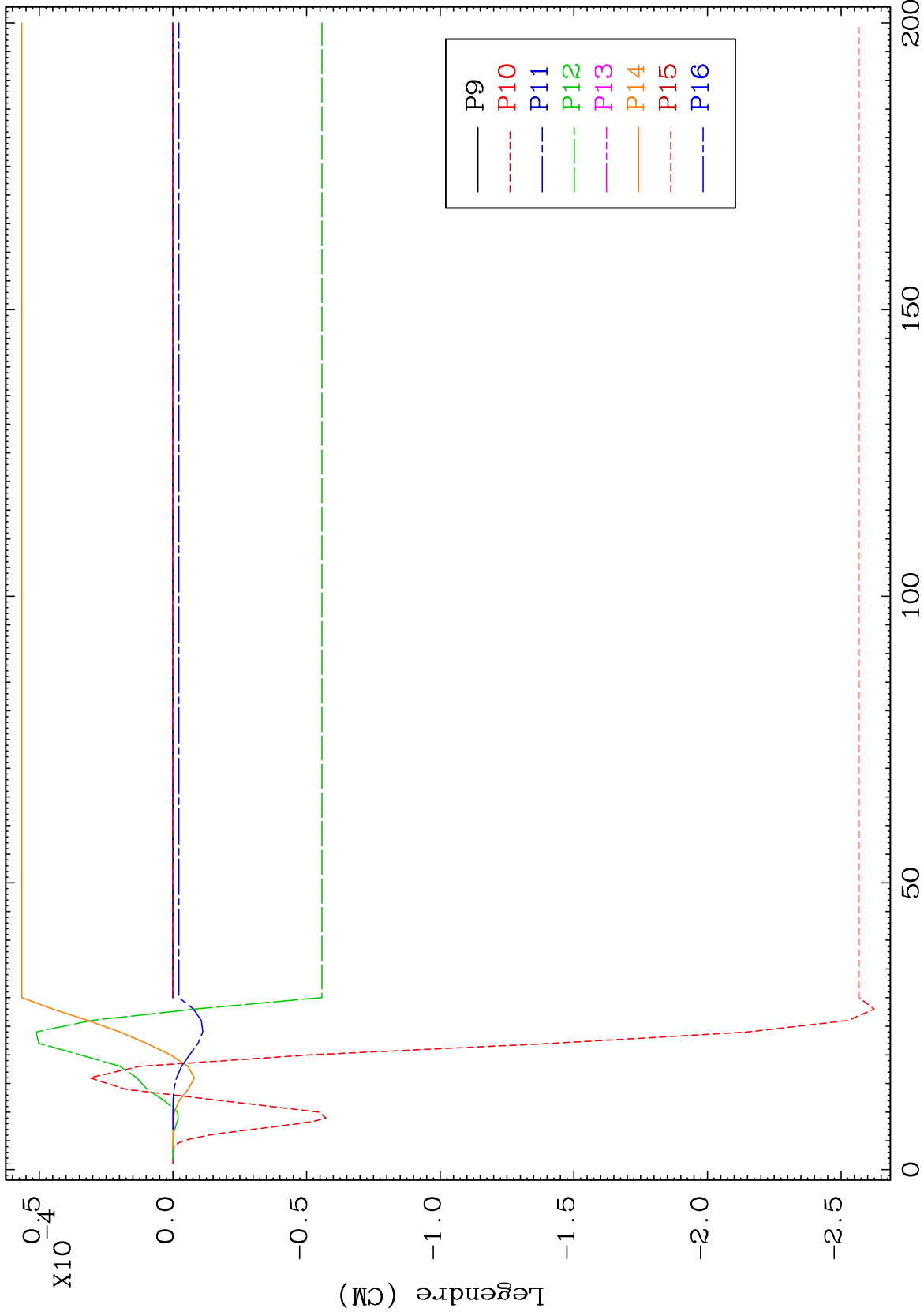


71-Lu-154

MAT 7062

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

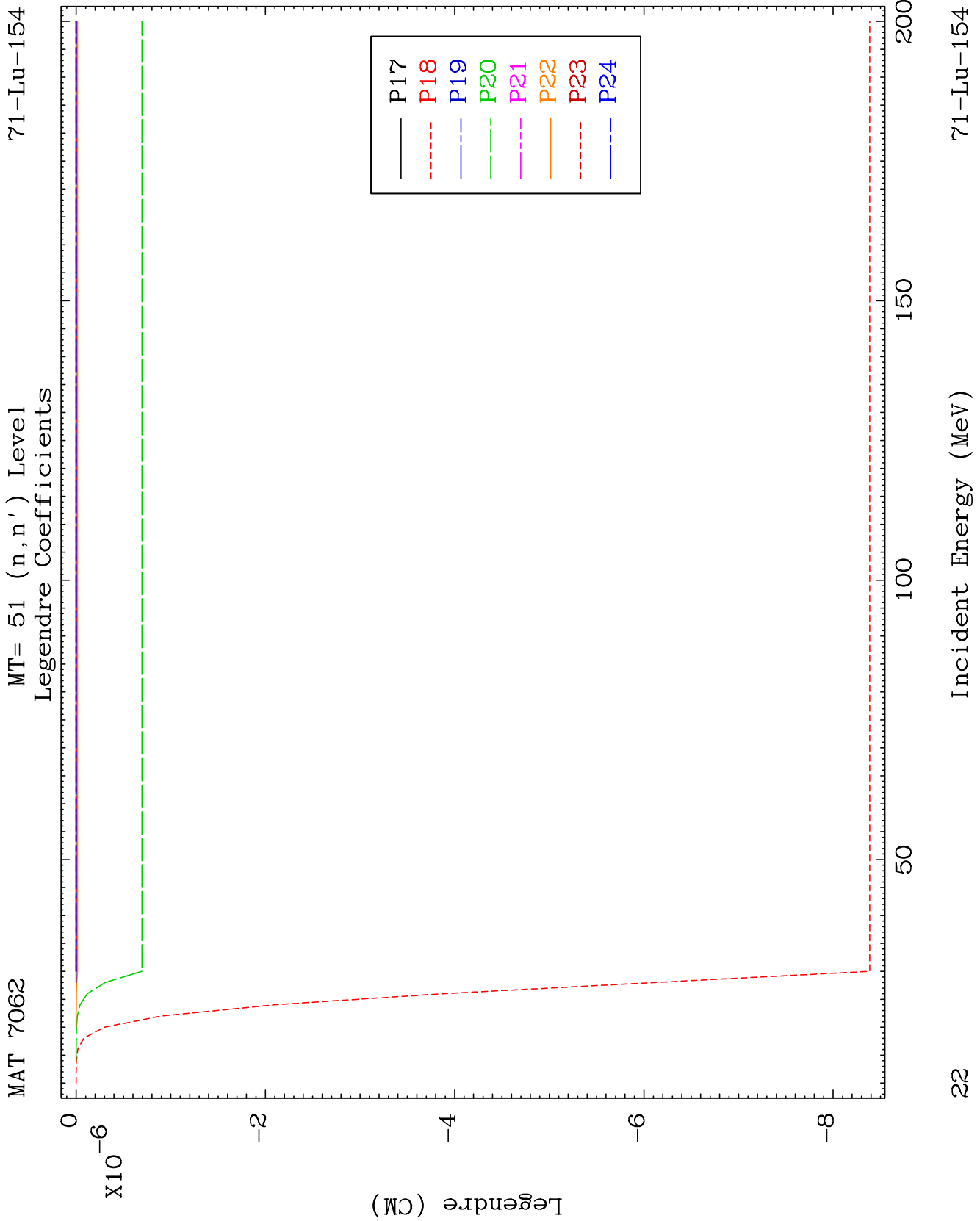
71-Lu-154



21

Incident Energy (MeV)

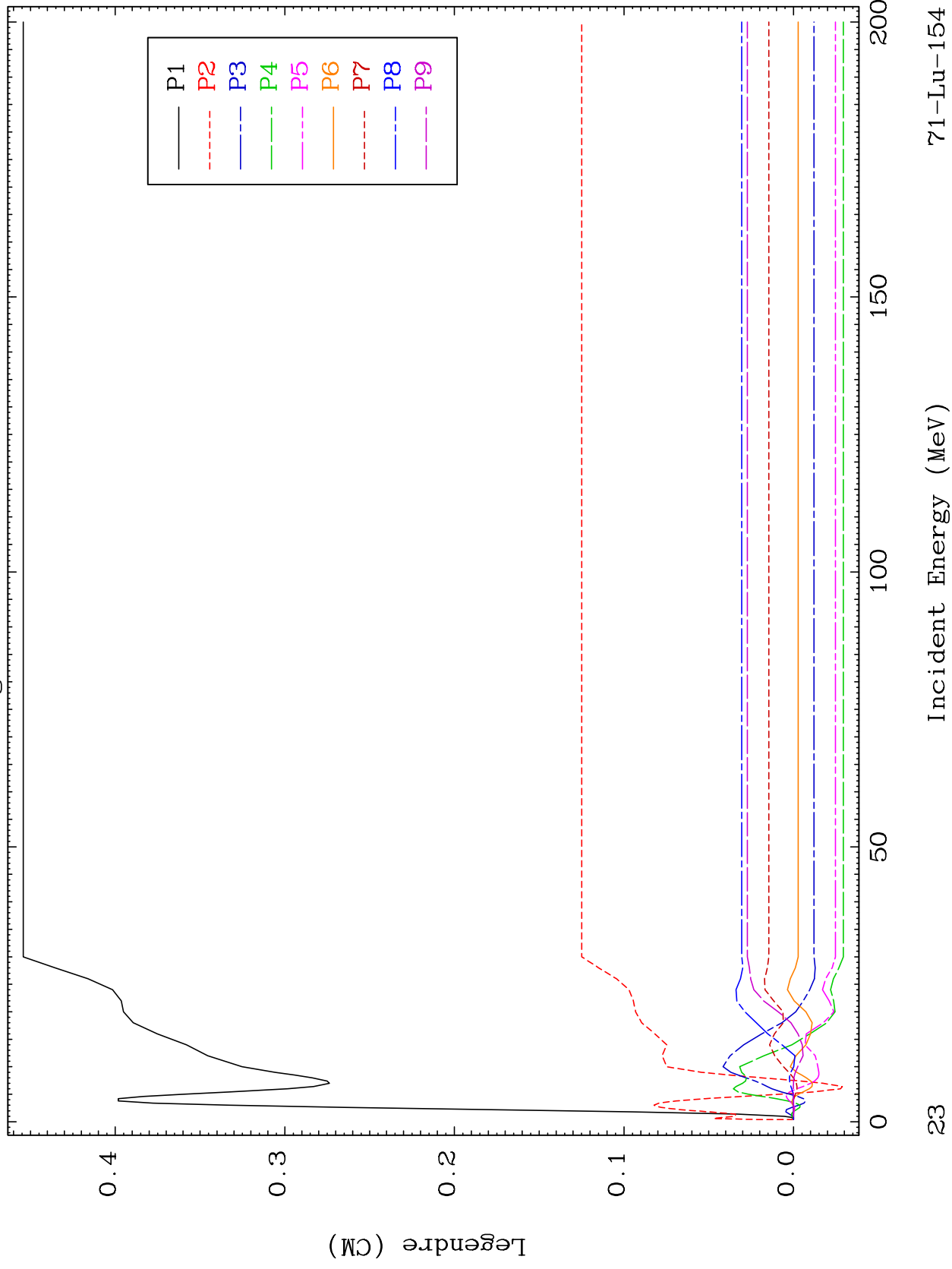
71-Lu-154



MAT 7062

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

71-Lu-154



71-Lu-154

Incident Energy (MeV)

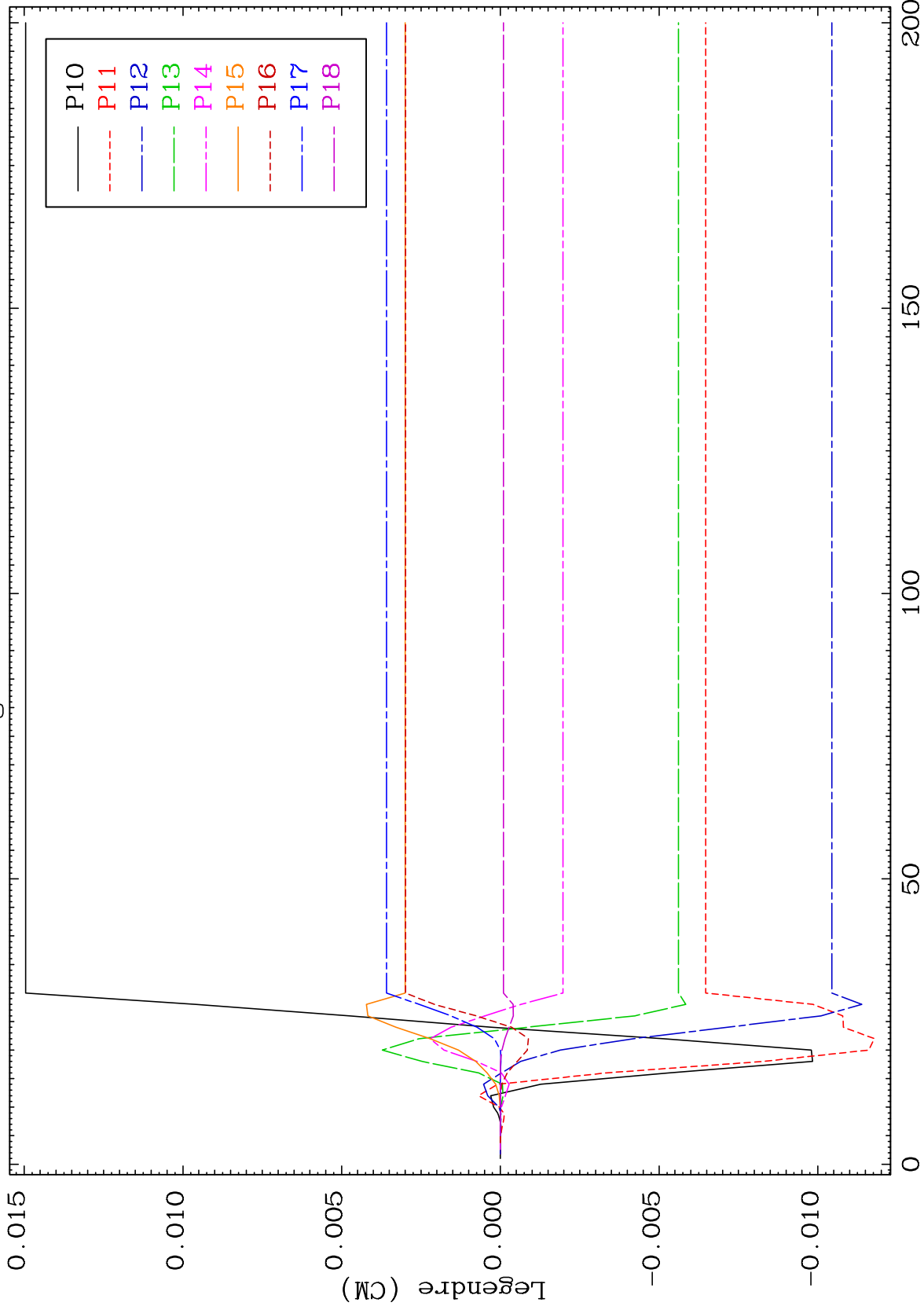
23



MAT 7062

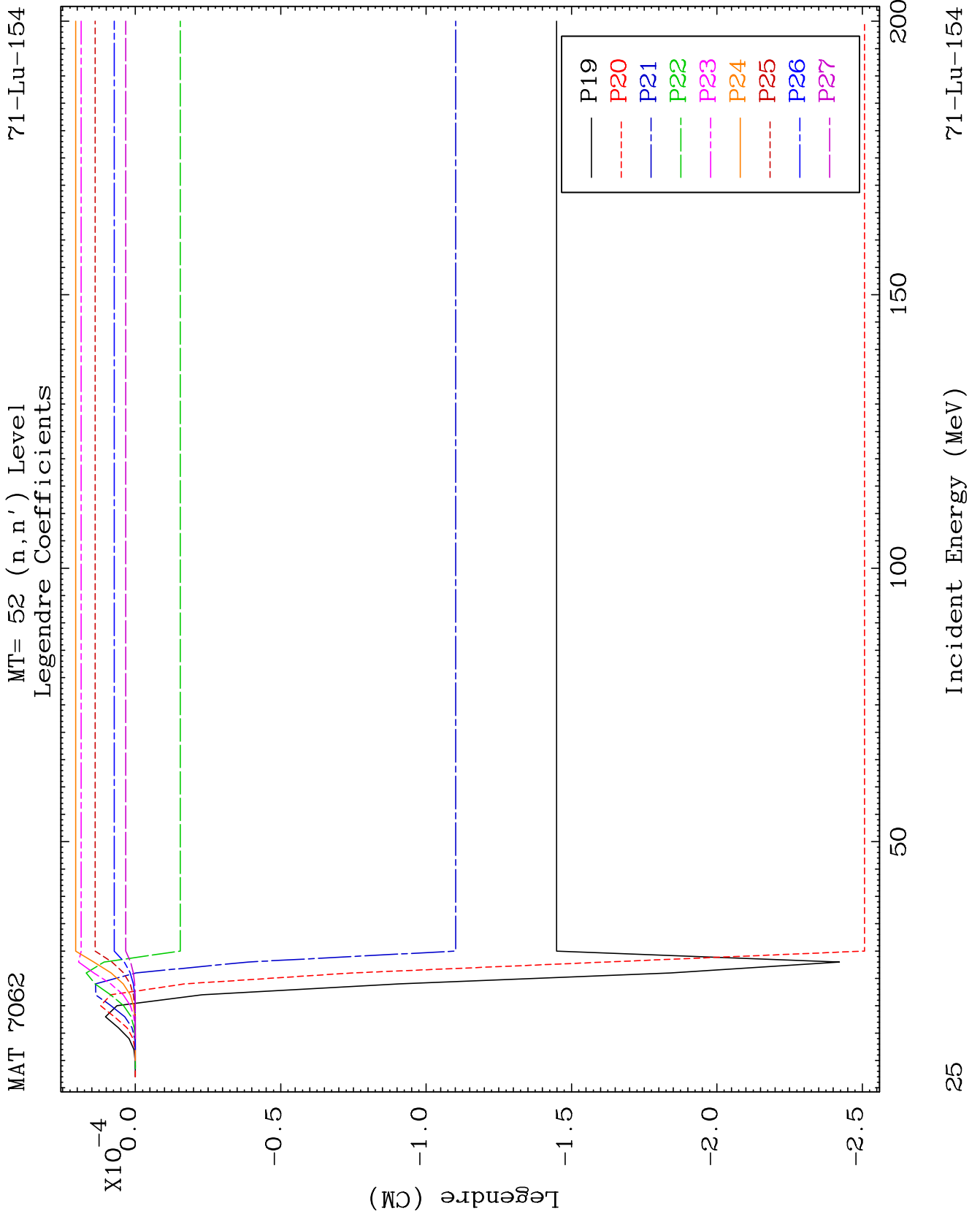
MT= 52 (n,n') Level  
Legendre Coefficients

71-Lu-154



24

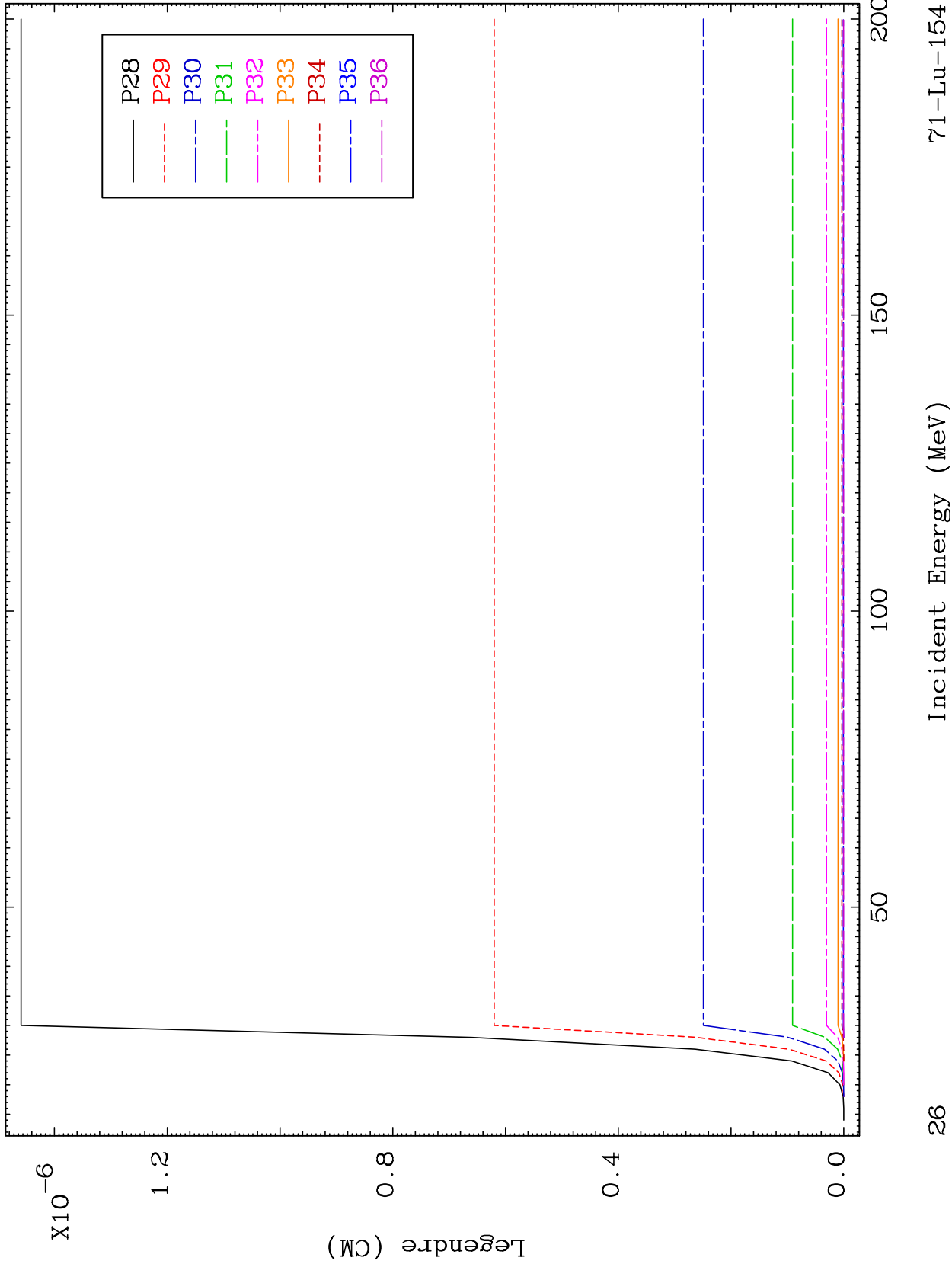
71-Lu-154



MAT 7062

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

71-Lu-154



26

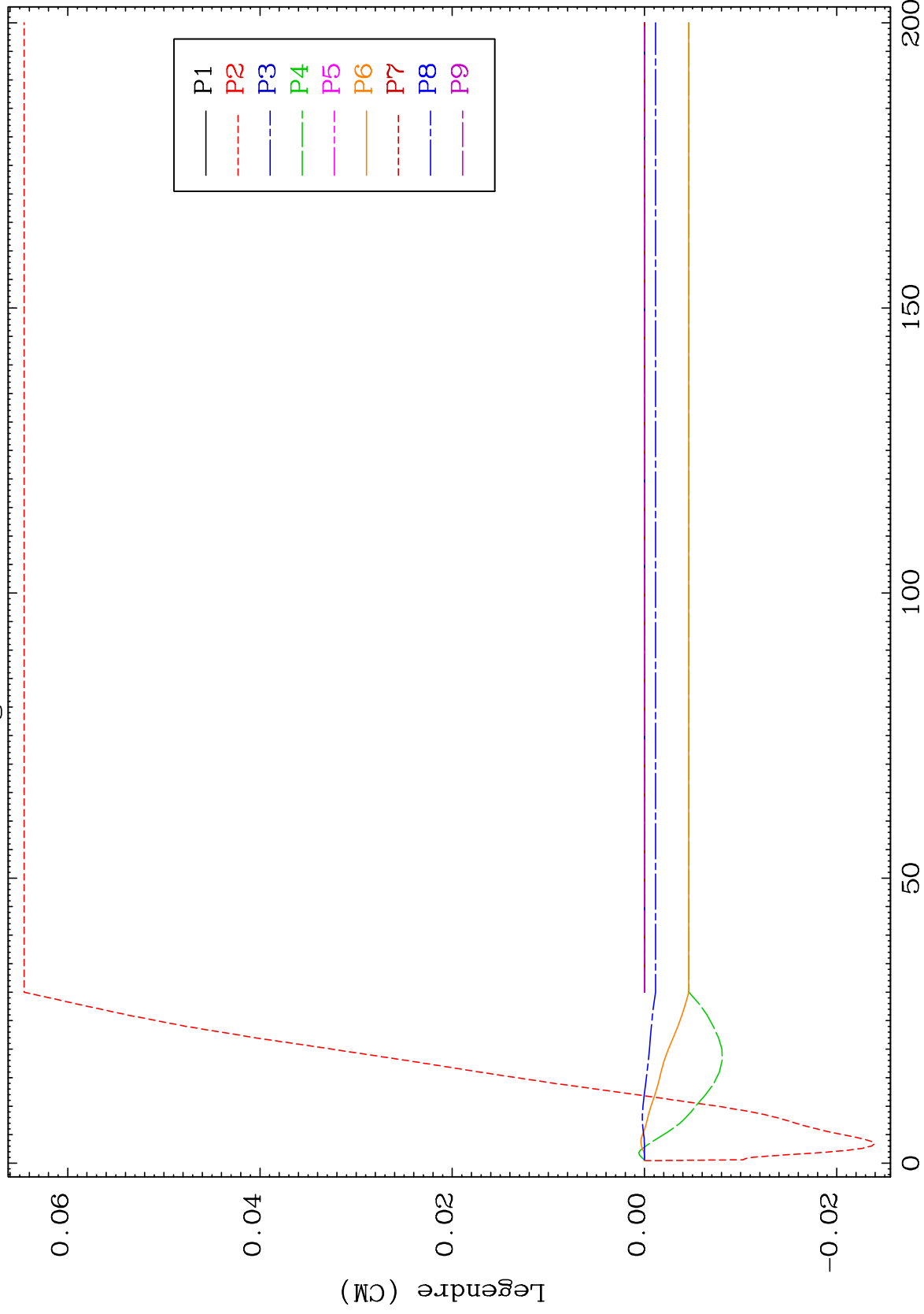
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



27

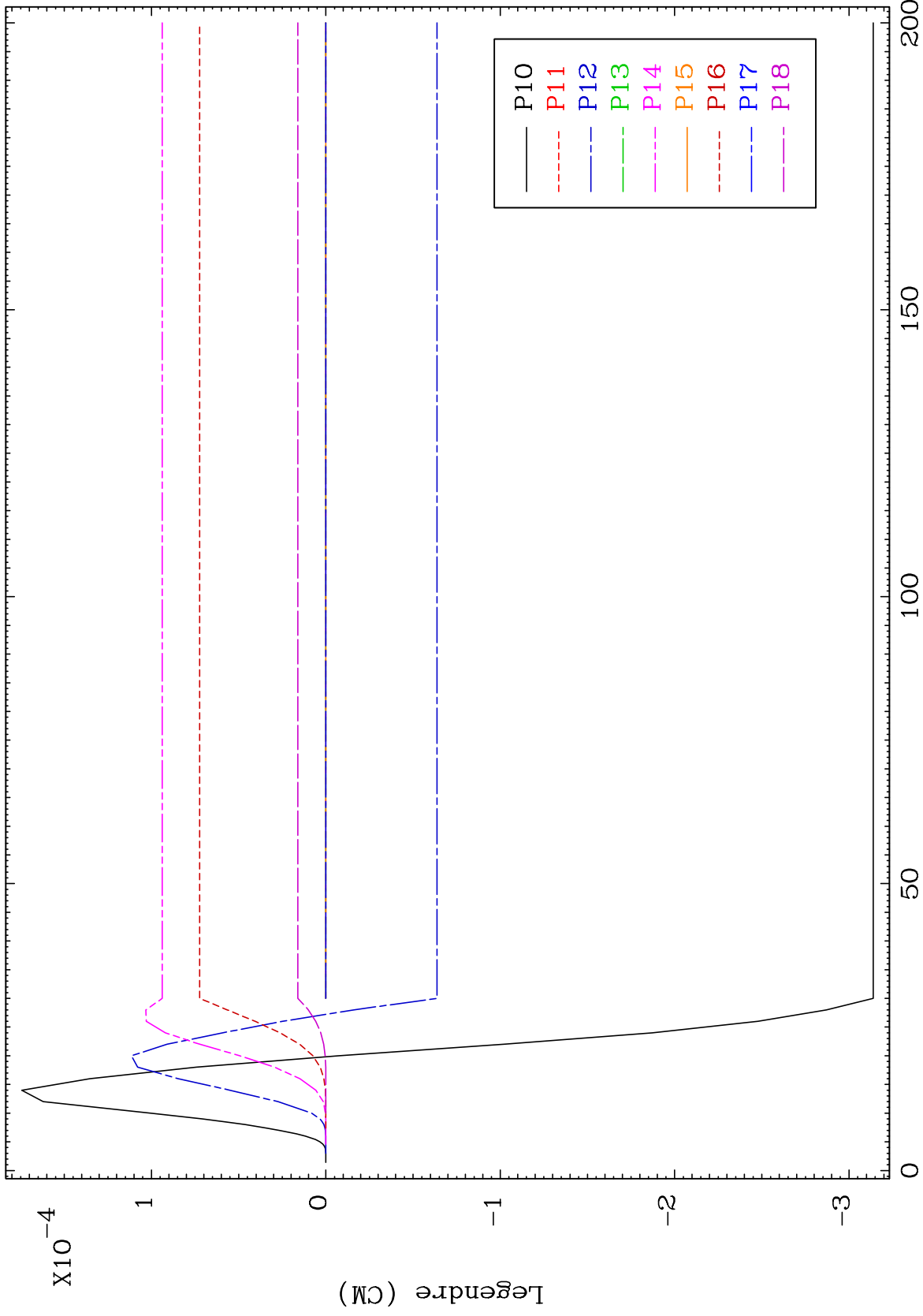
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

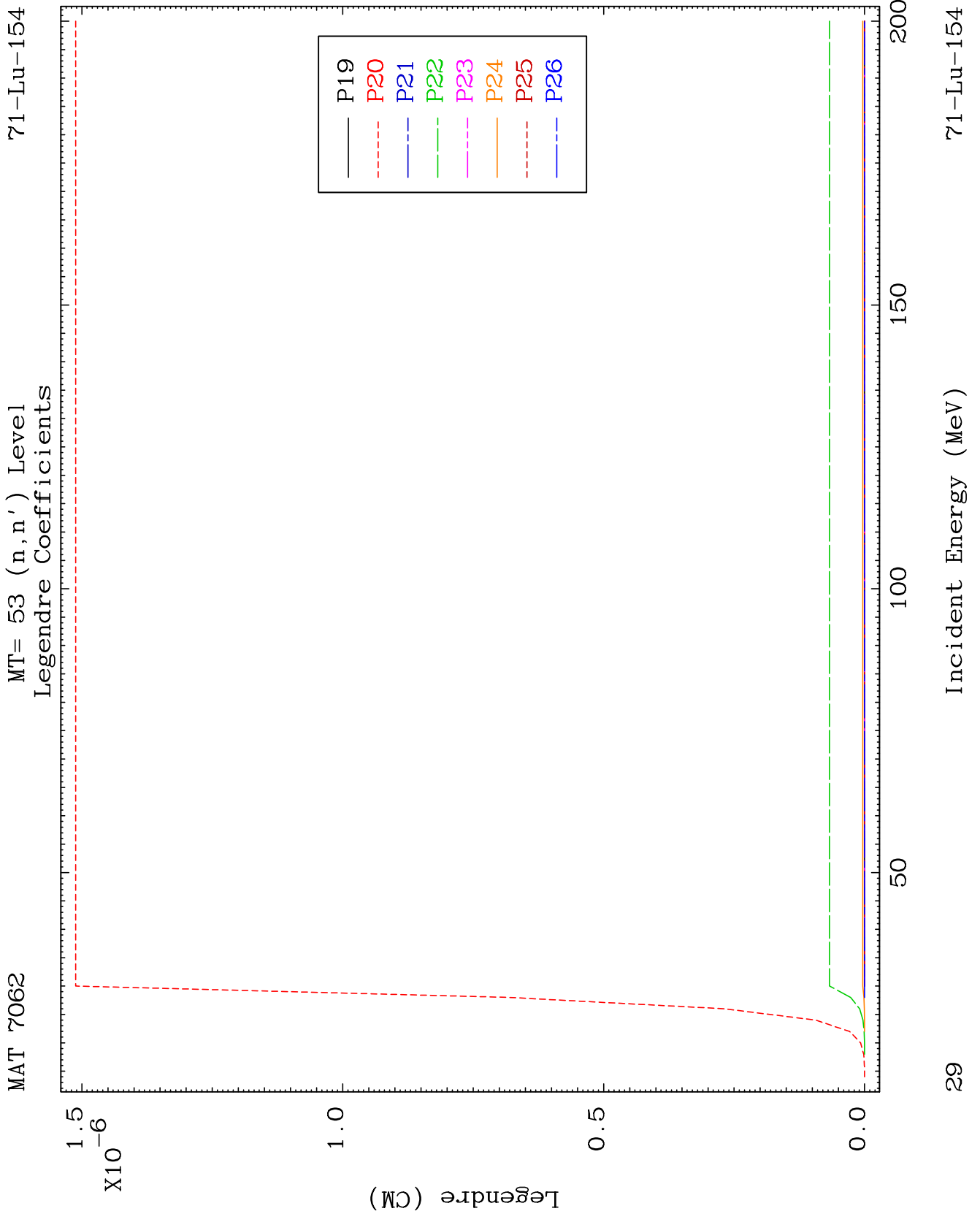
71-Lu-154



28

Incident Energy (MeV)

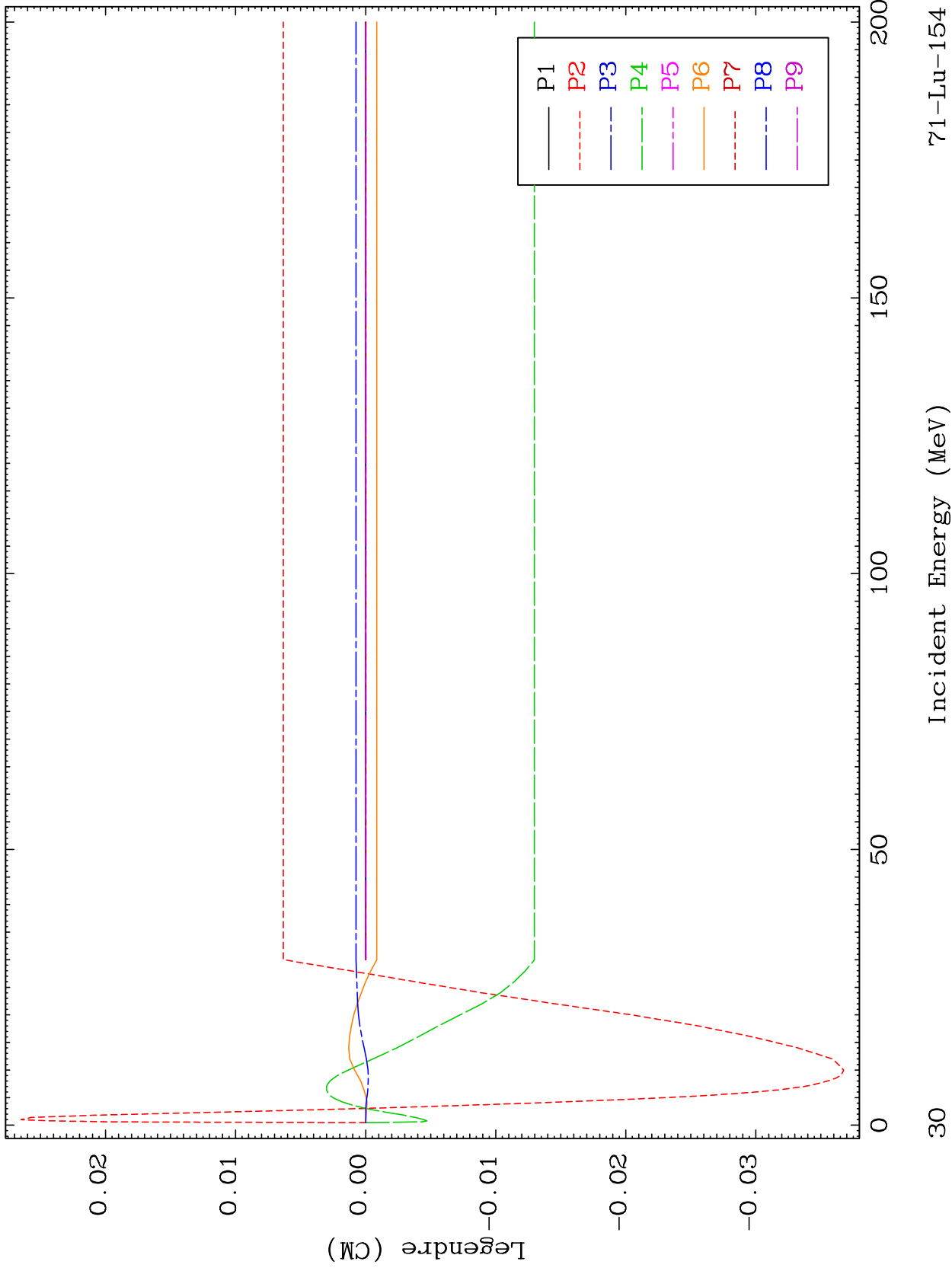
71-Lu-154



MAT 7062

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

71-Lu-154

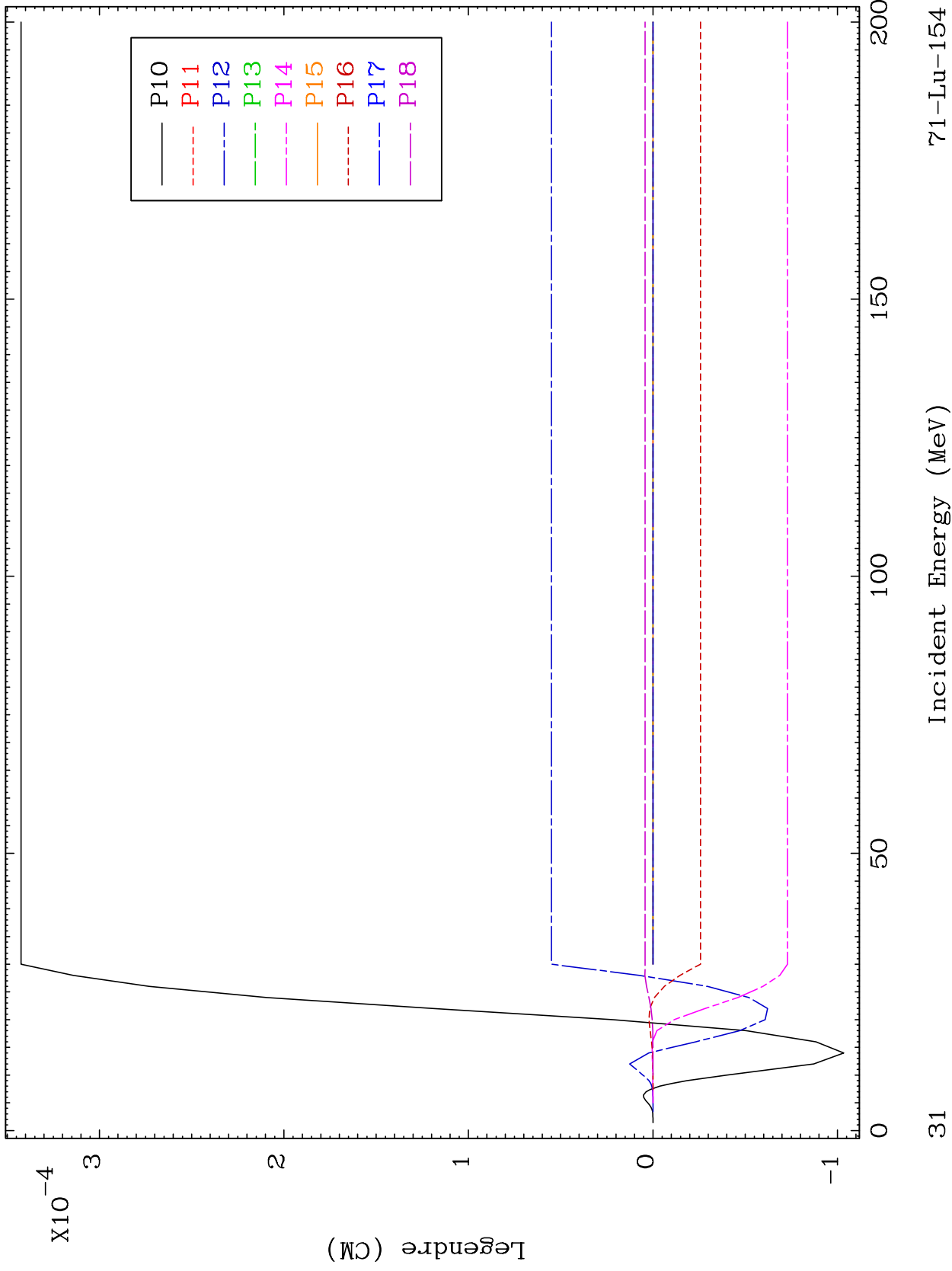


71-Lu-154

MAT 7062

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

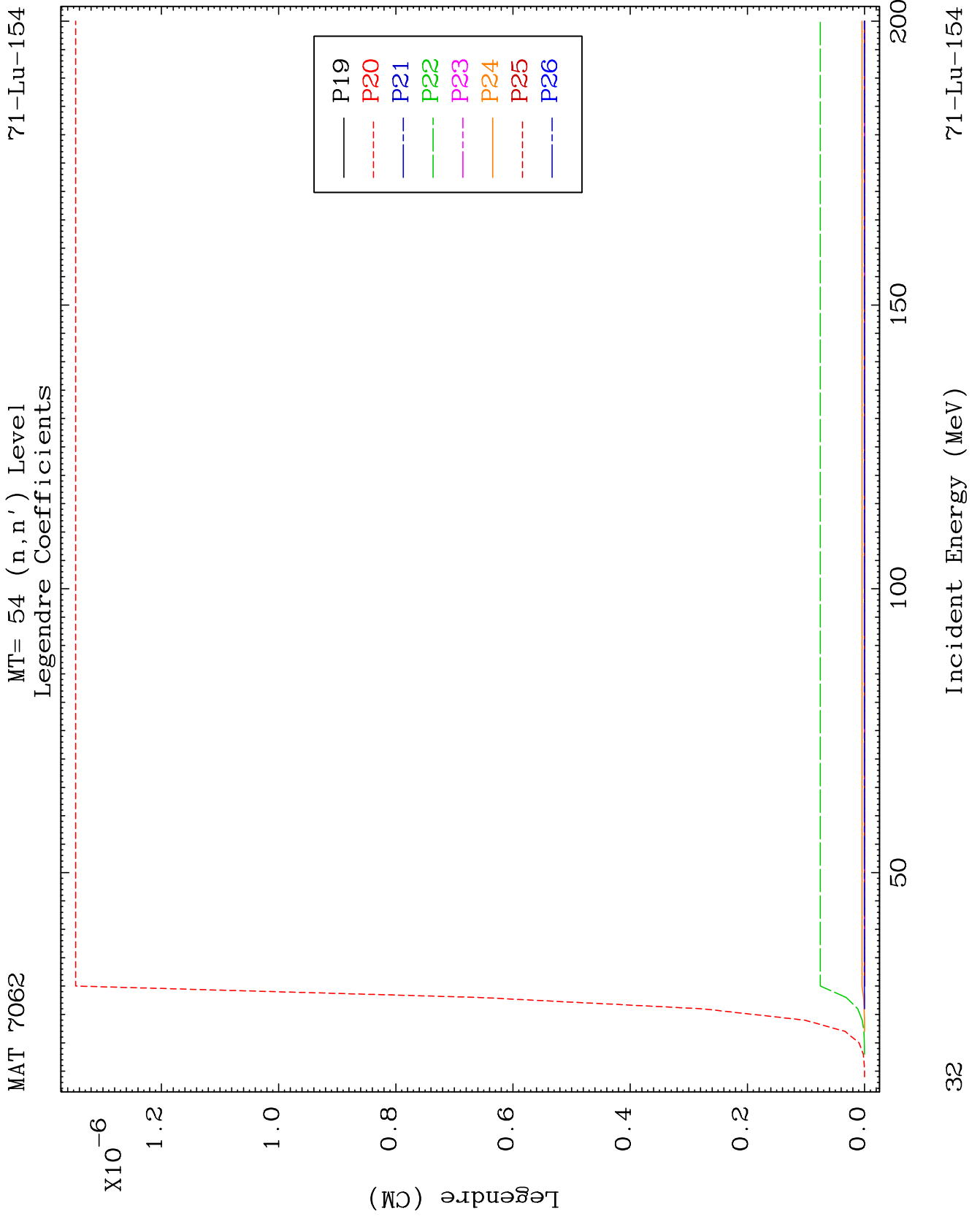
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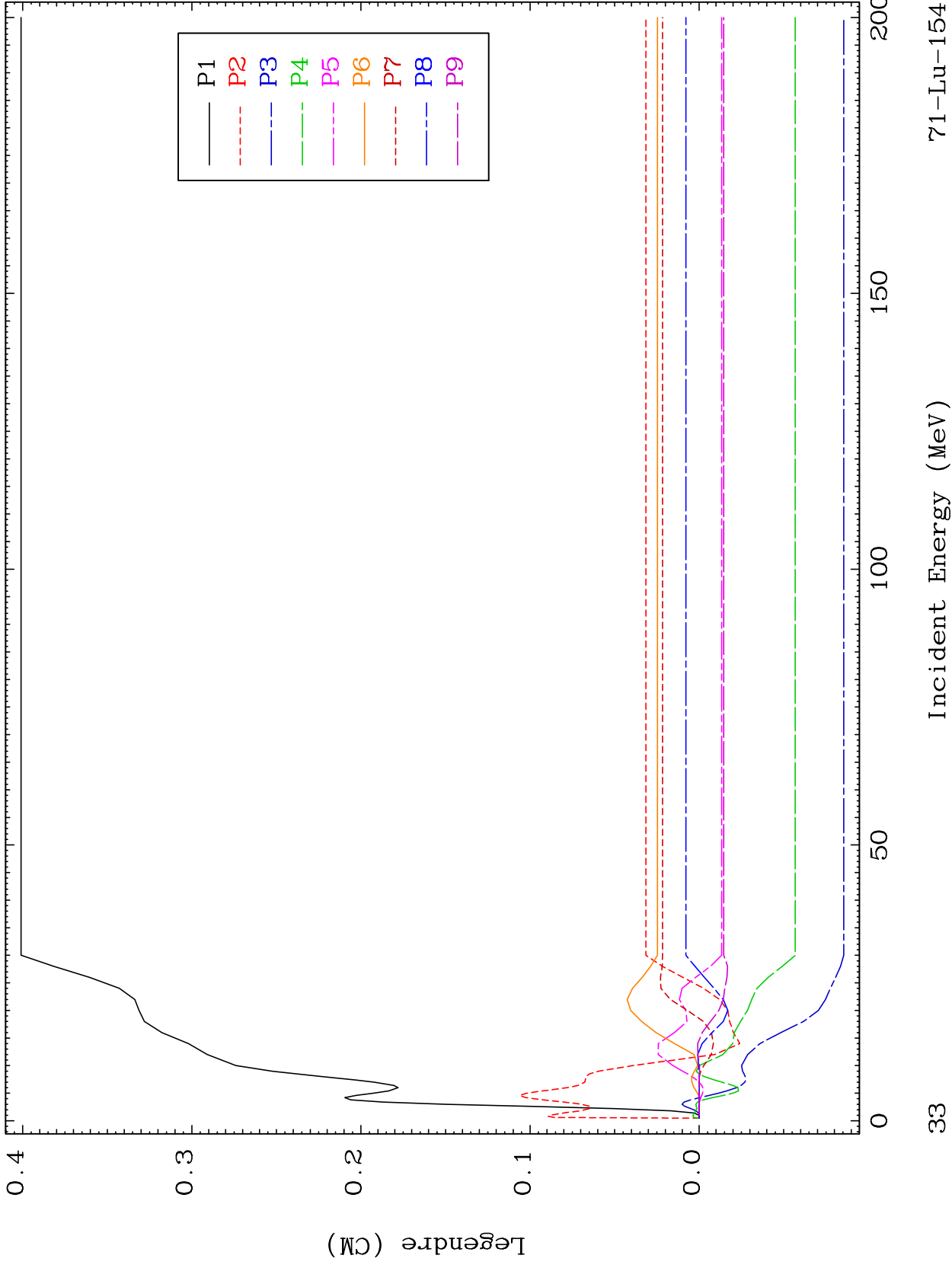


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71-Lu-154



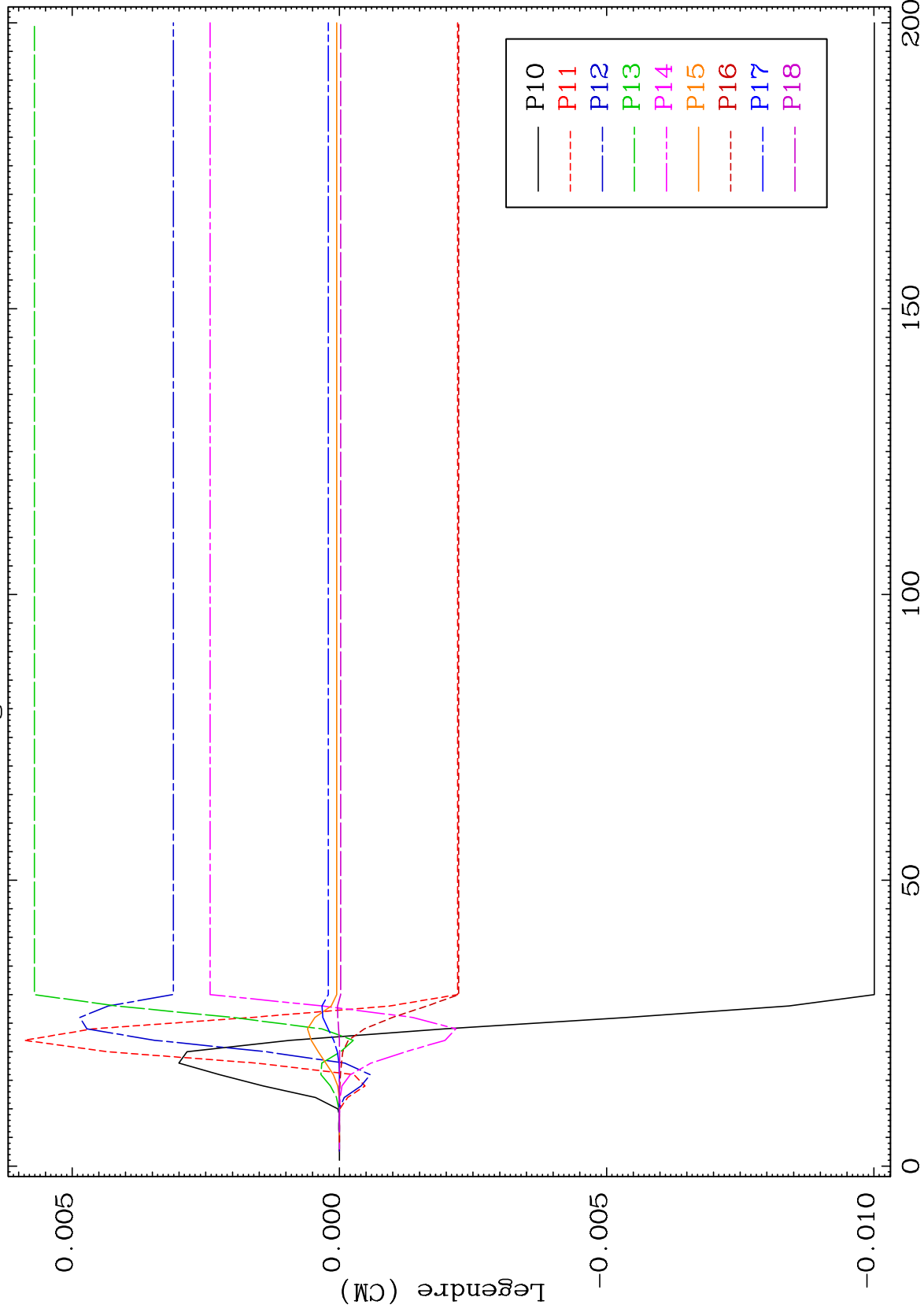




MAT 7062

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

71-Lu-154



34

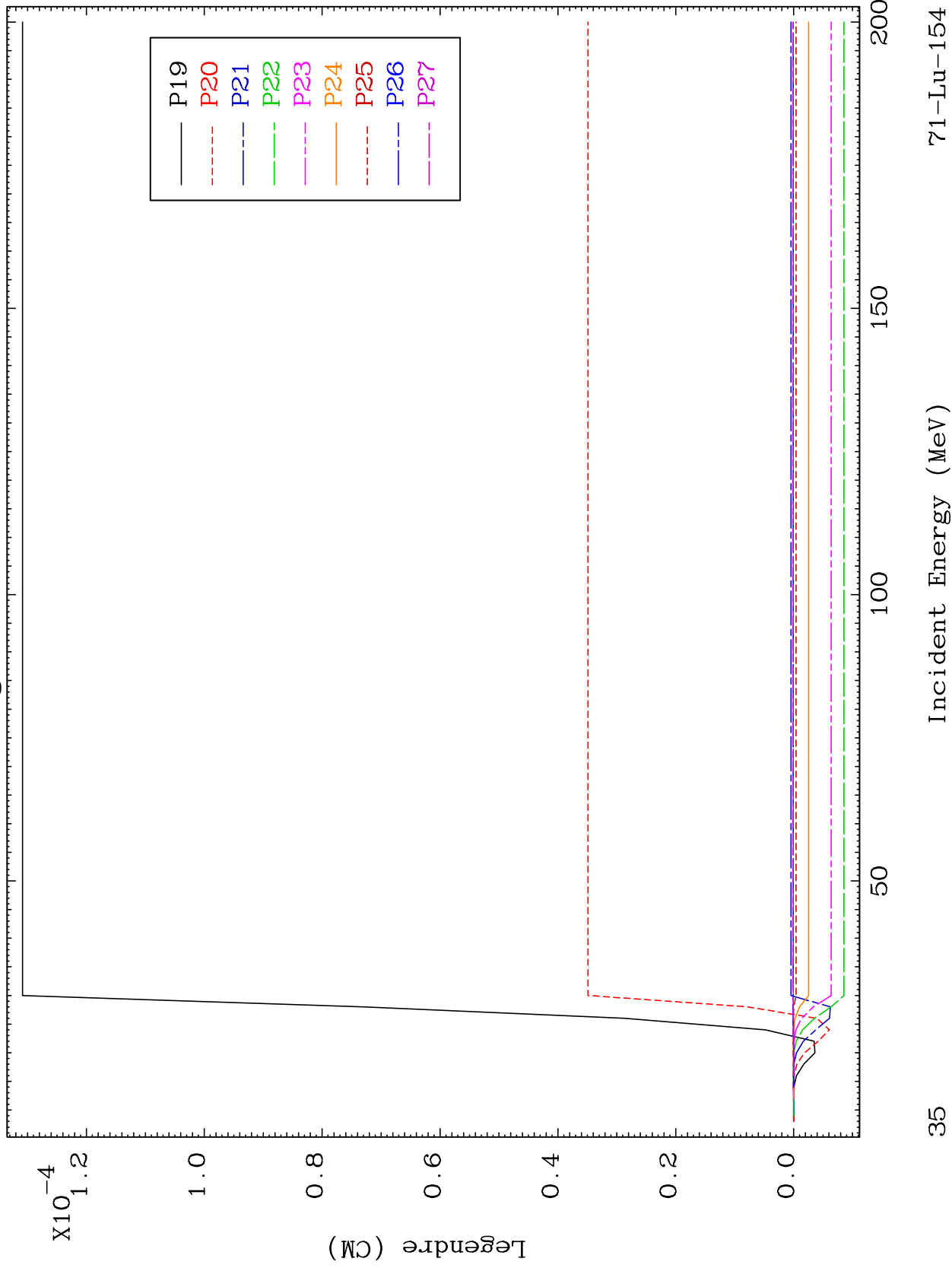
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



35

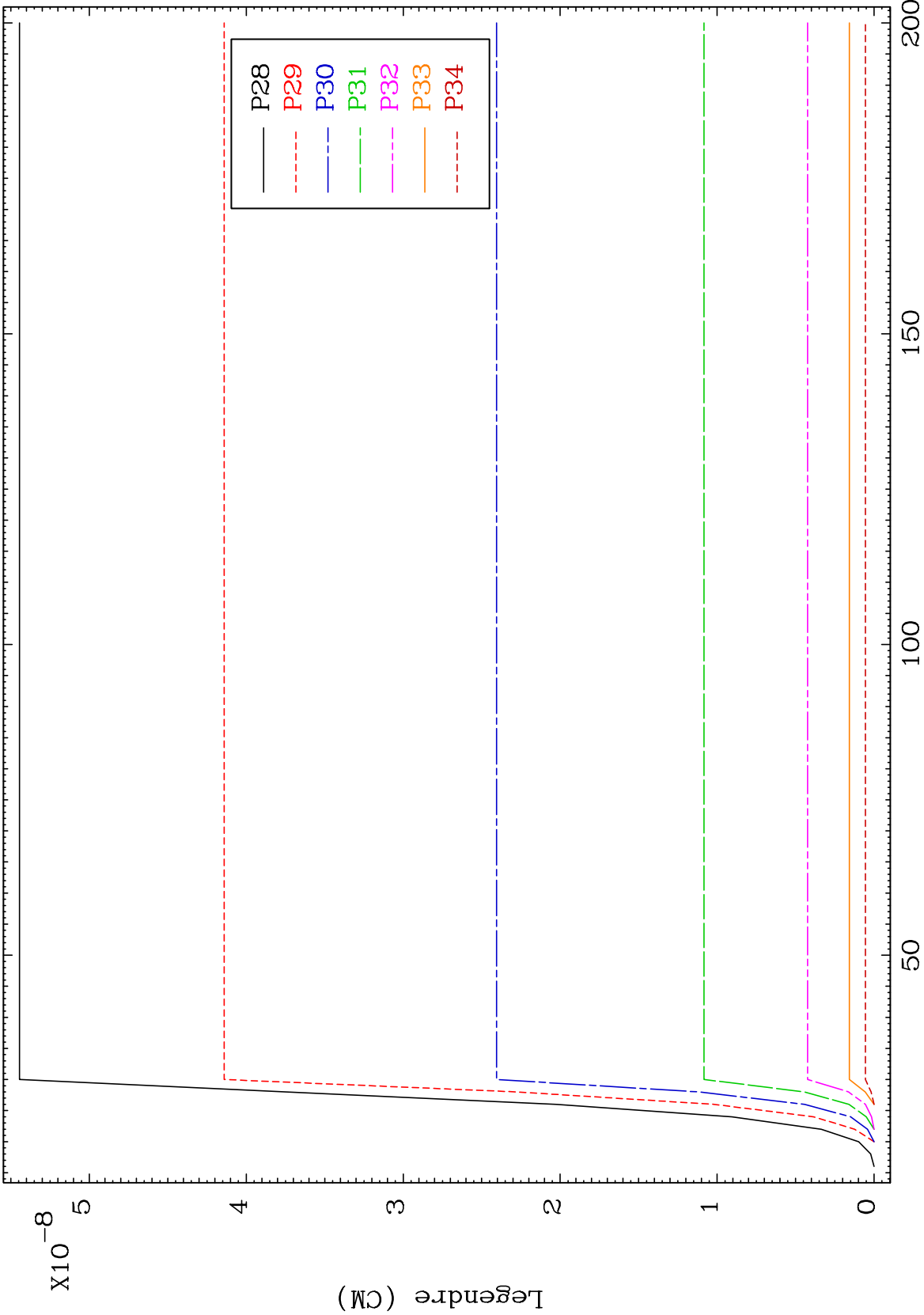
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



36

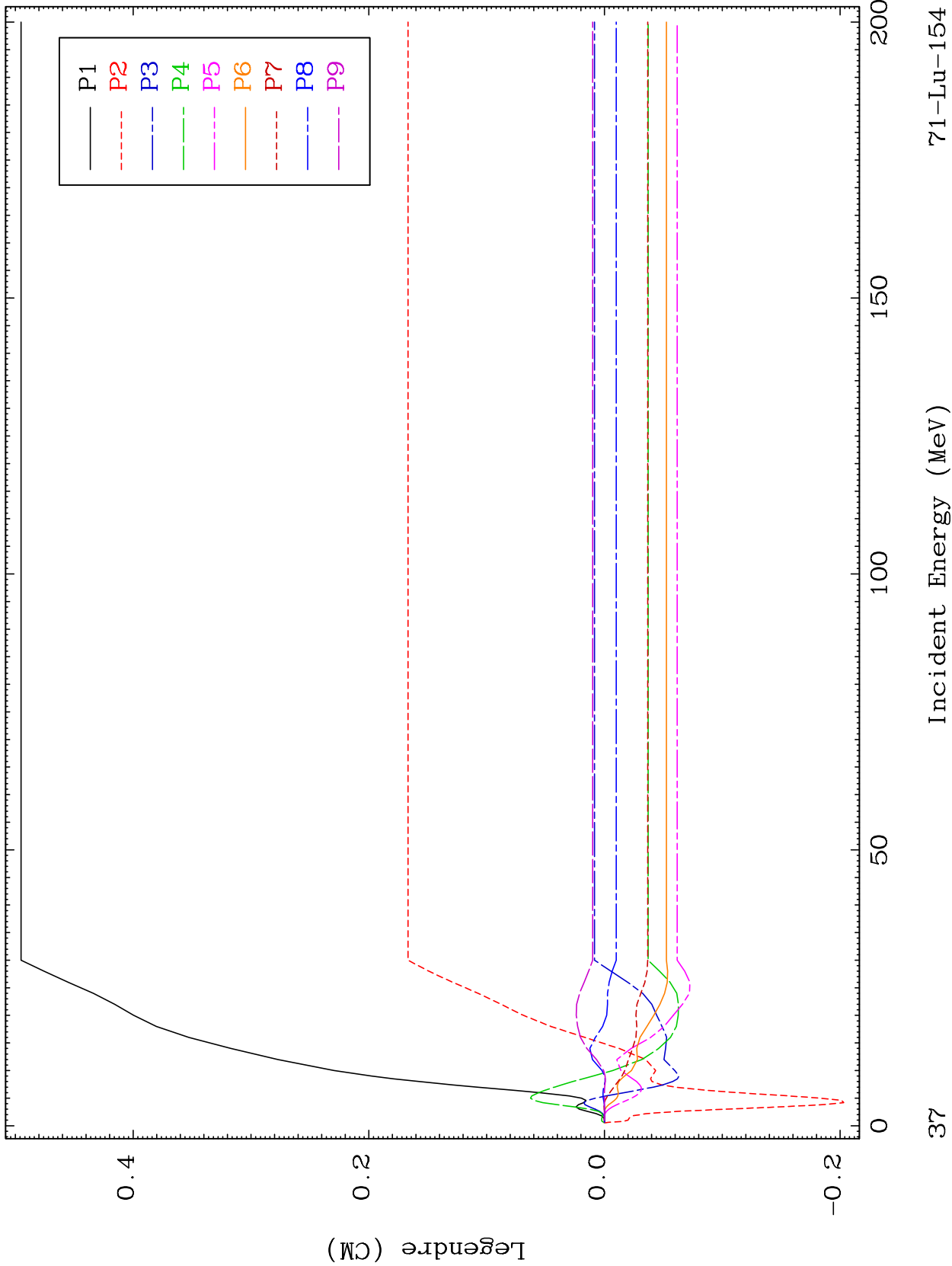
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

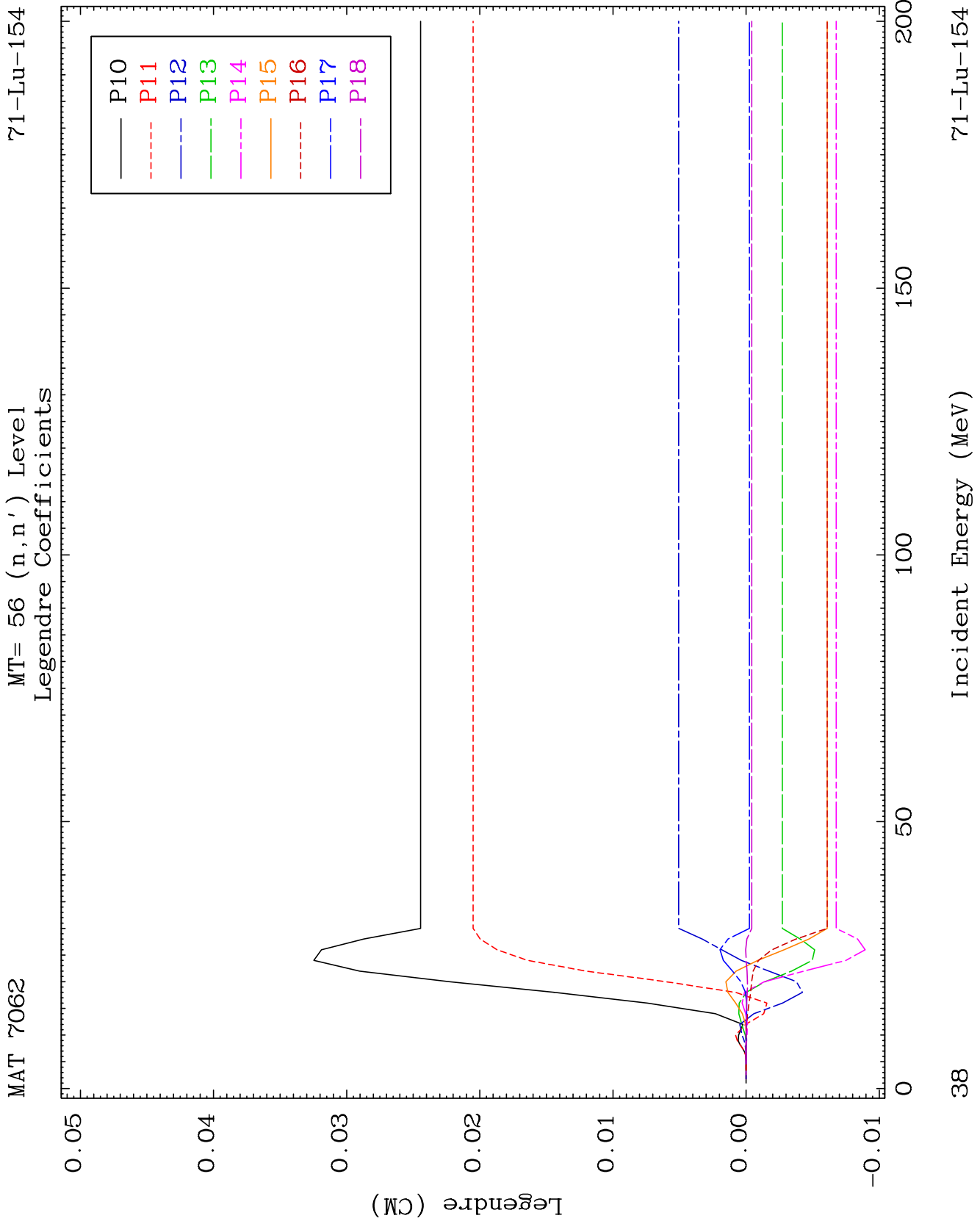
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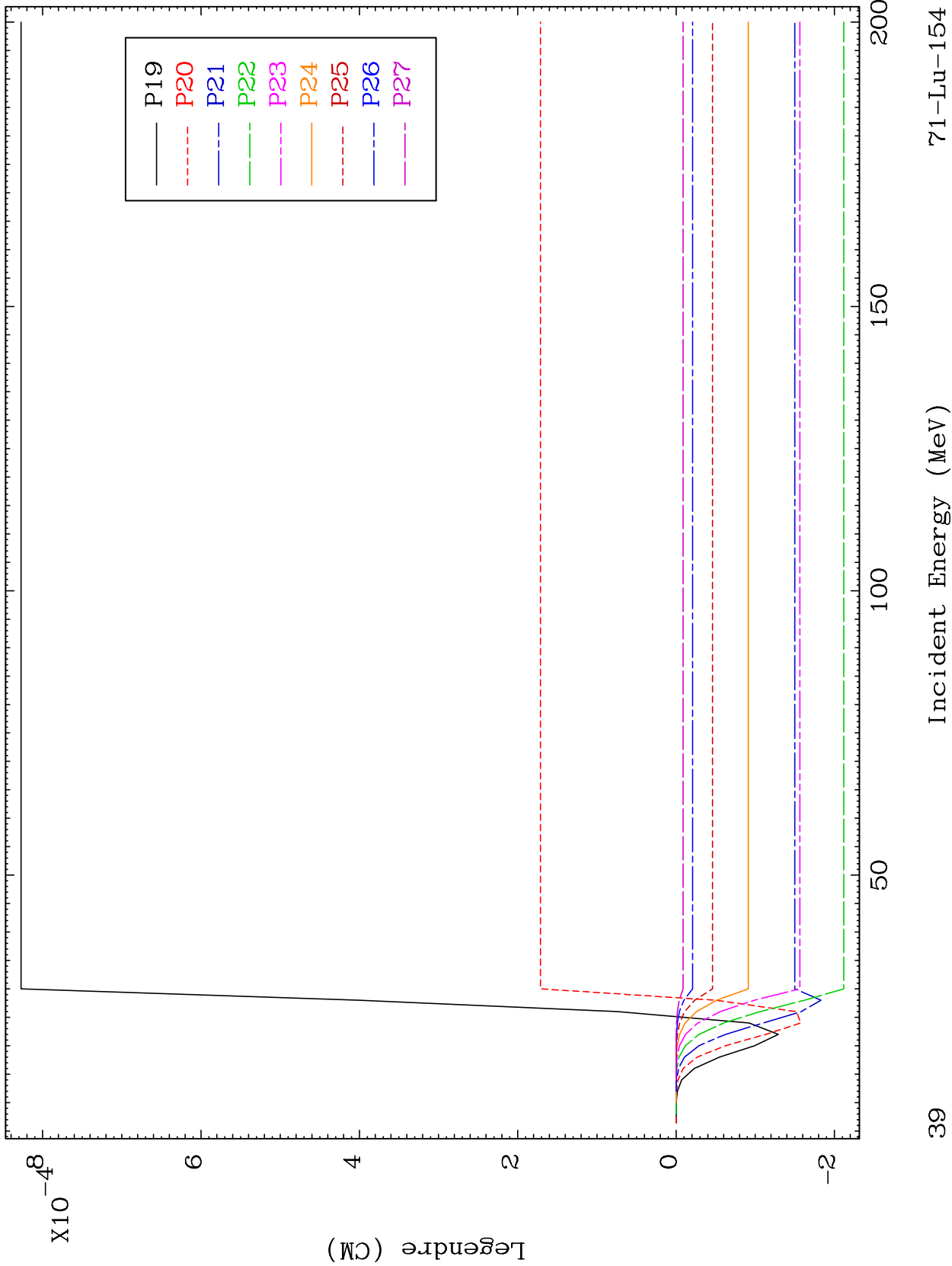


37

Incident Energy (MeV)

71-Lu-154







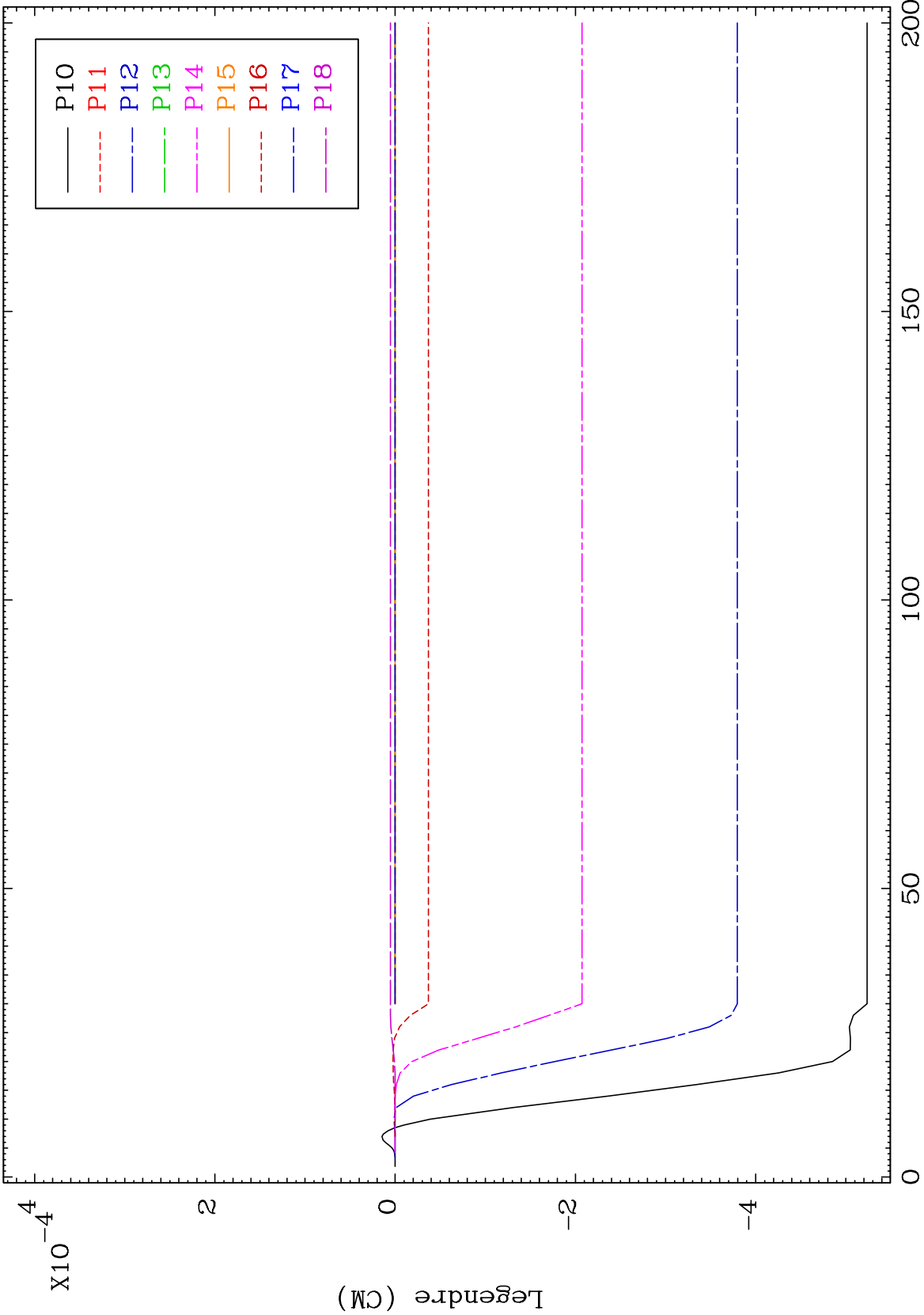




MAT 7062

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

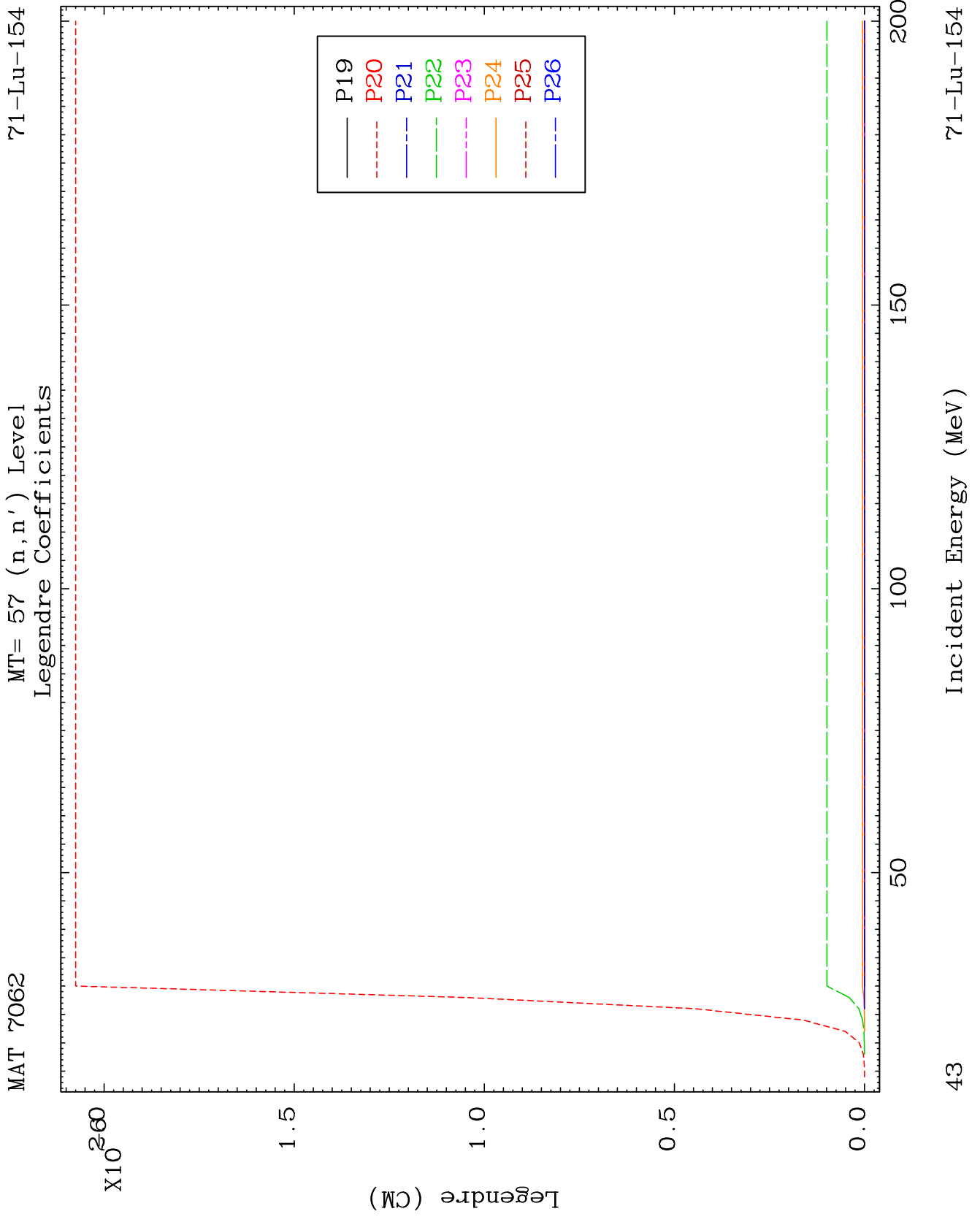
71-Lu-154



42

Incident Energy (MeV)

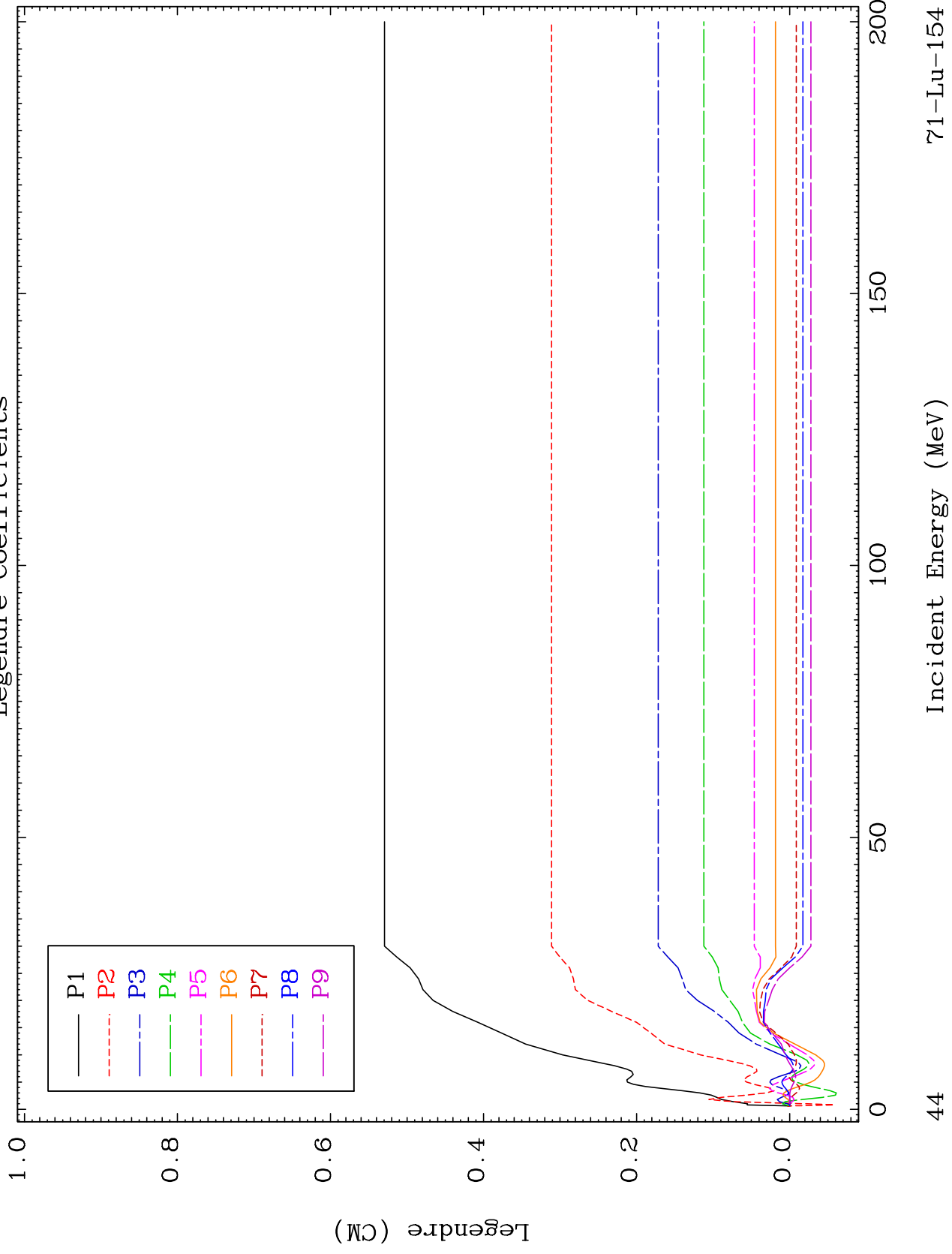
71-Lu-154



MAT 7062

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

71-Lu-154



71-Lu-154

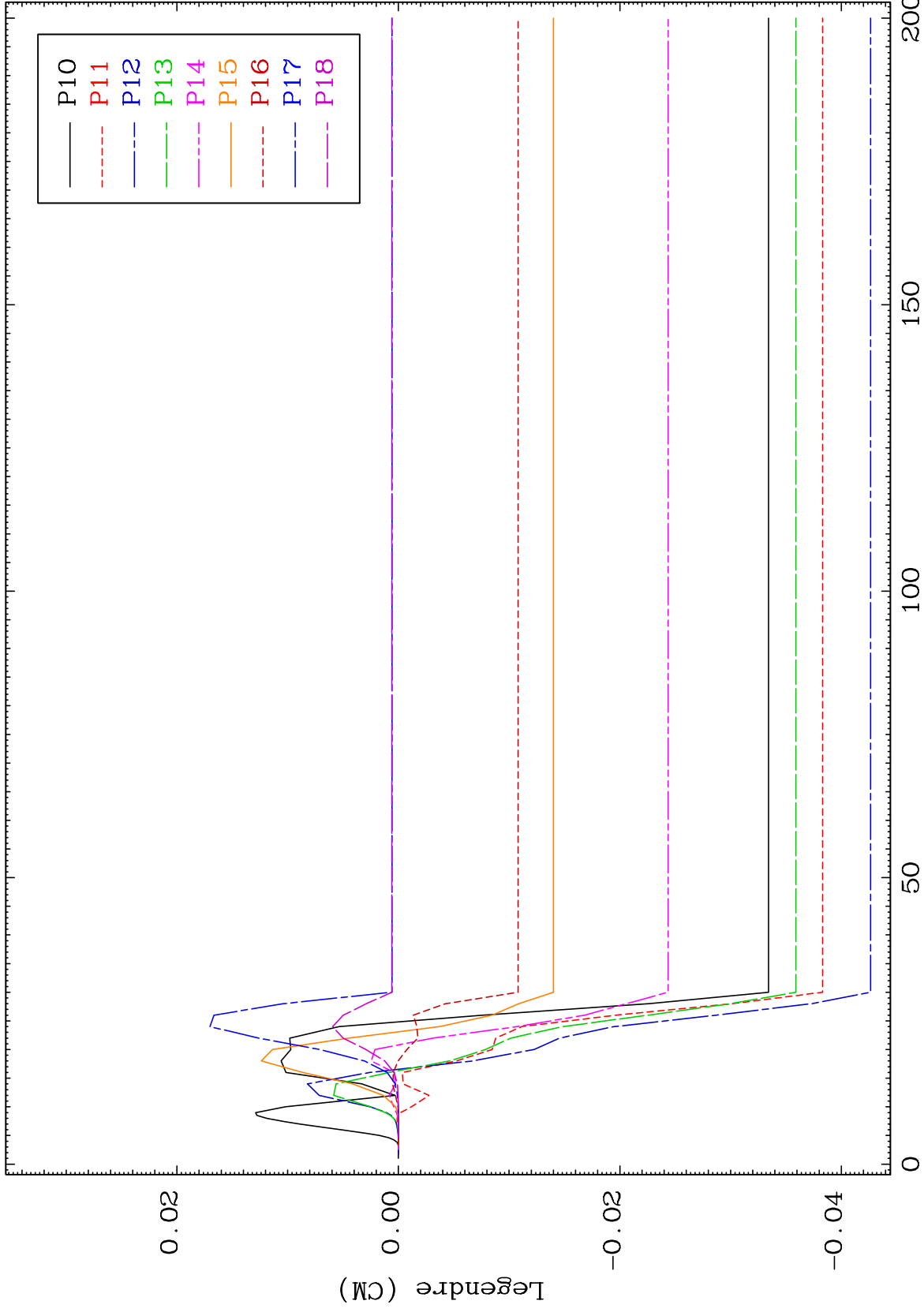
Incident Energy (MeV)

44

MAT 7062

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

71-Lu-154



45

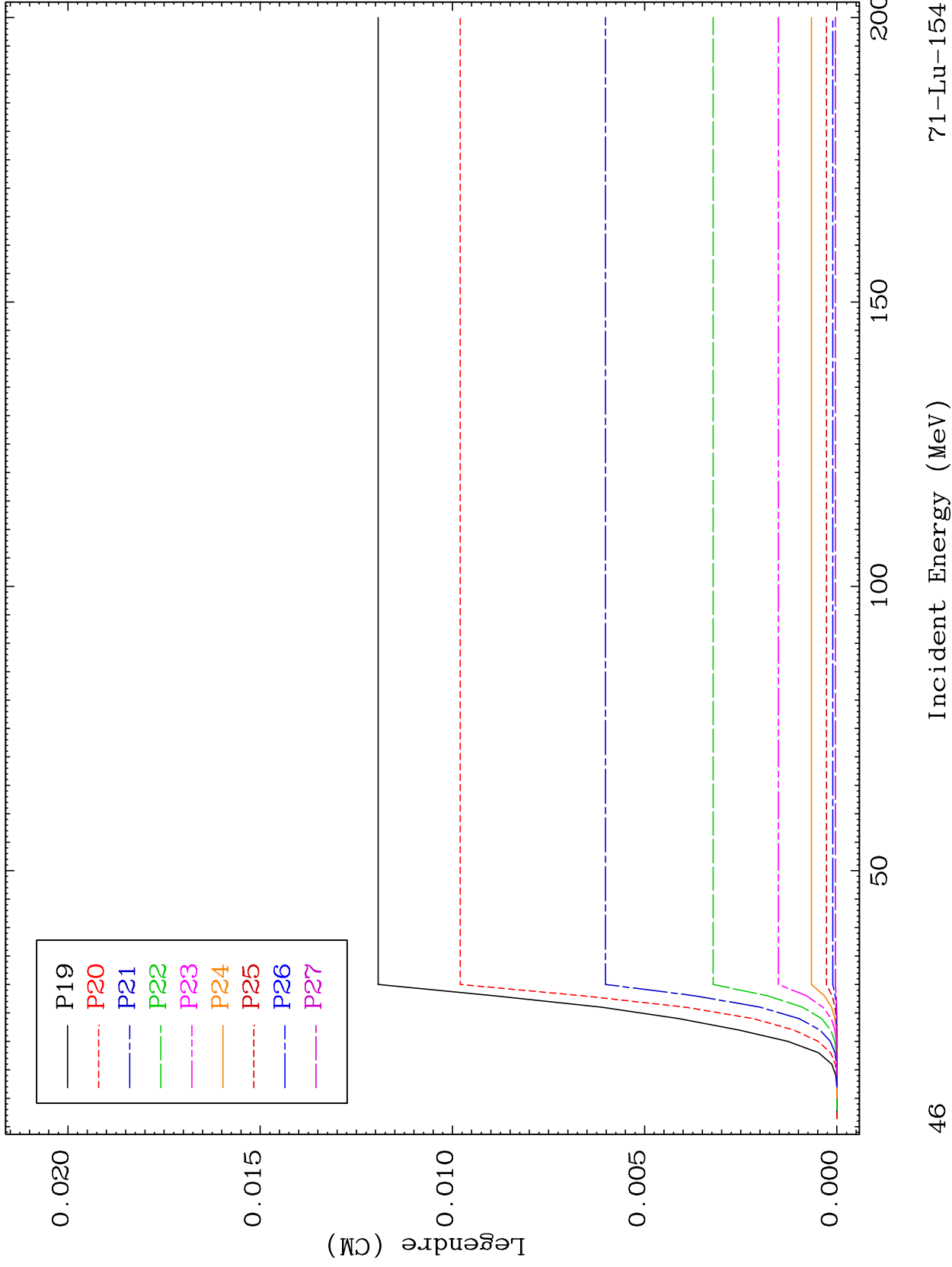
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



46

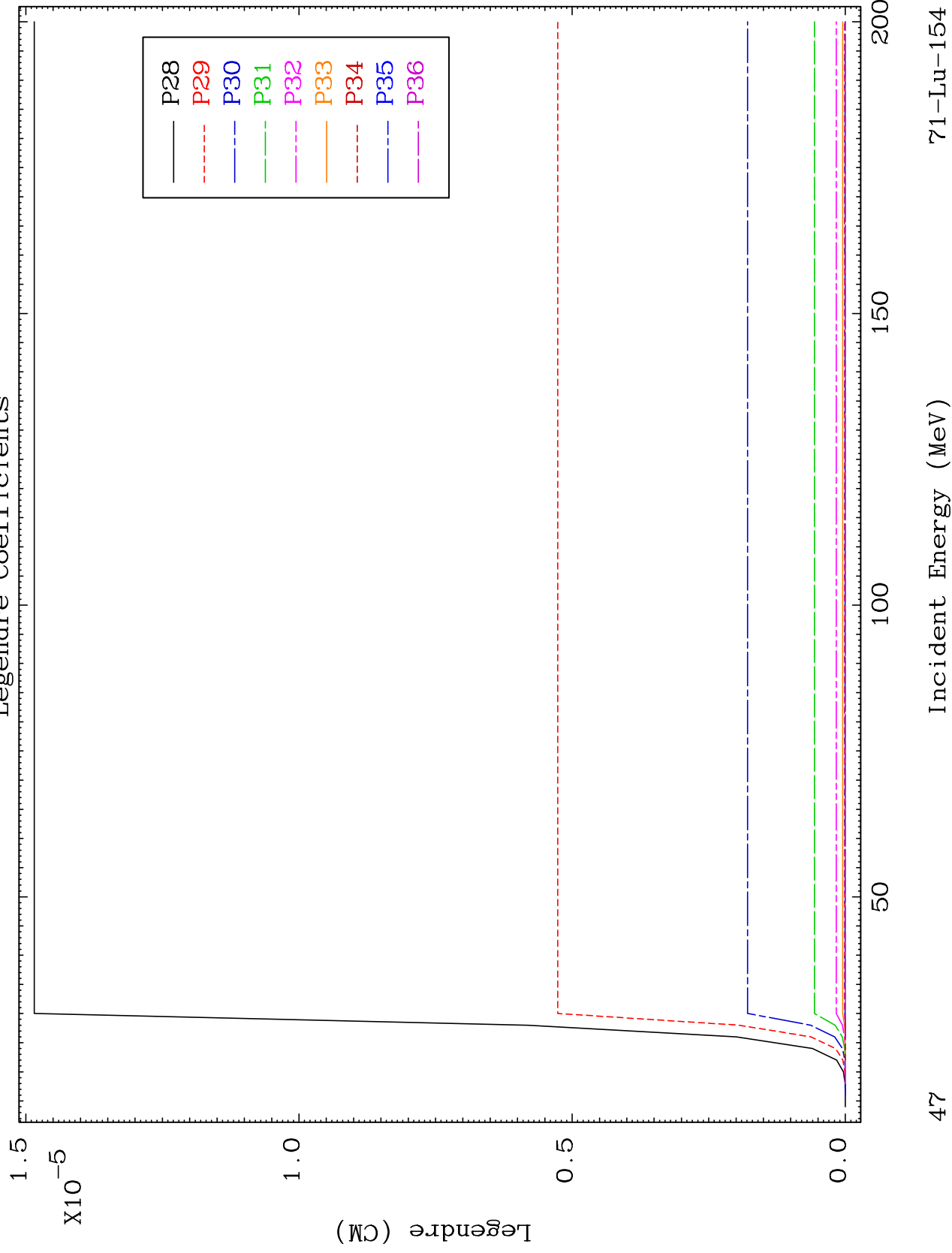
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154



47

Incident Energy (MeV)

71-Lu-154

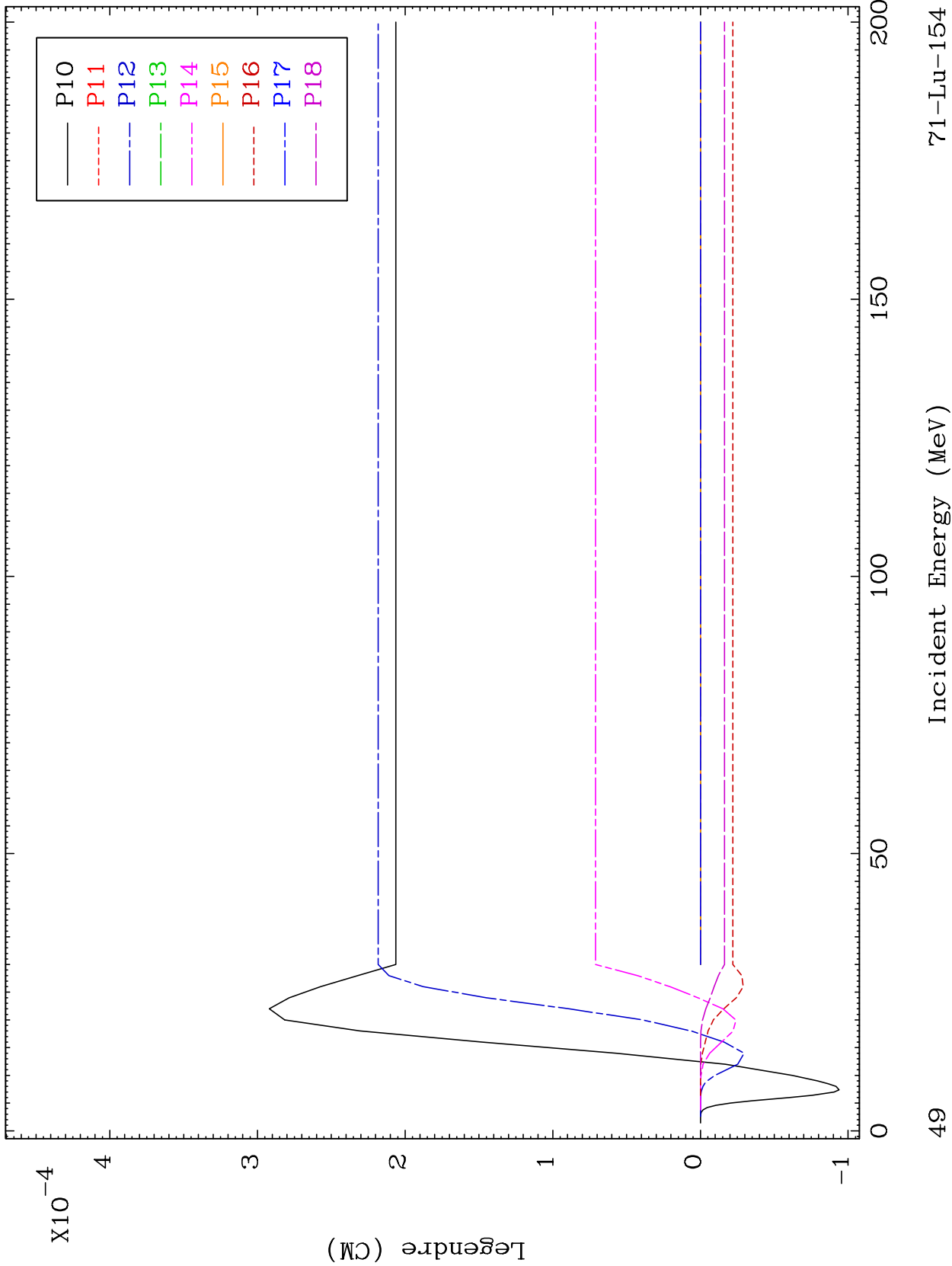




MAT 7062

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

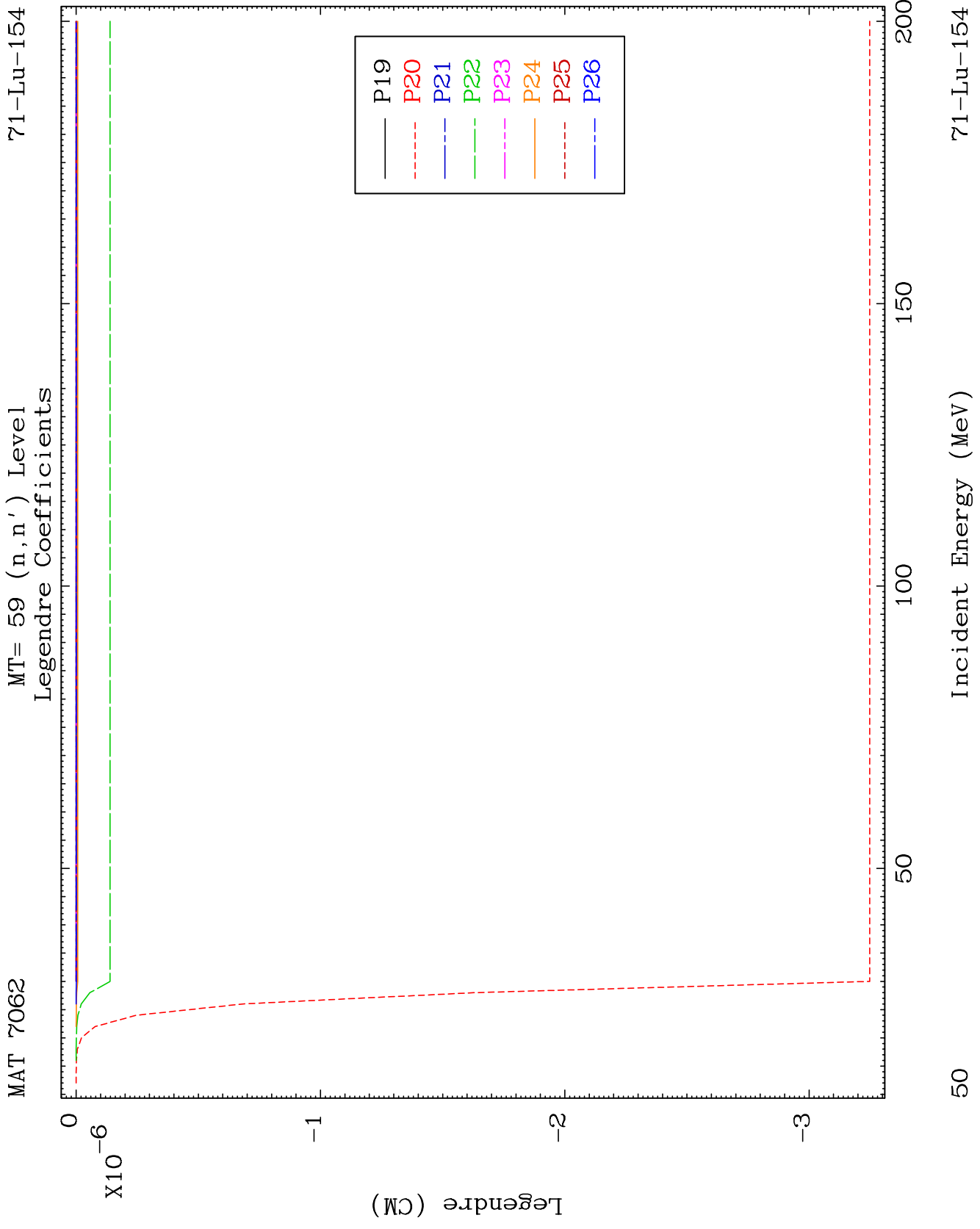
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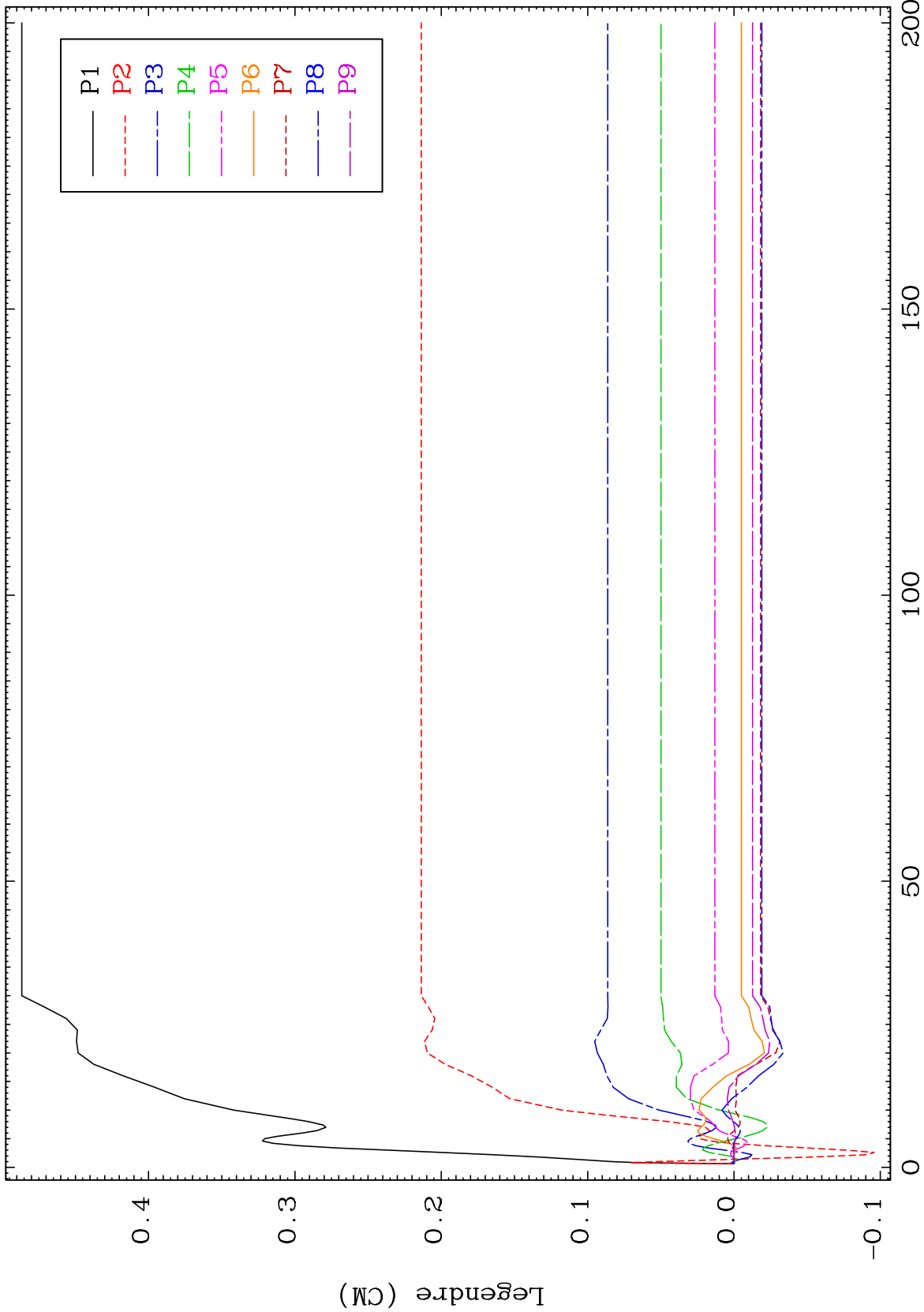


49

71-Lu-154

71-Lu-154

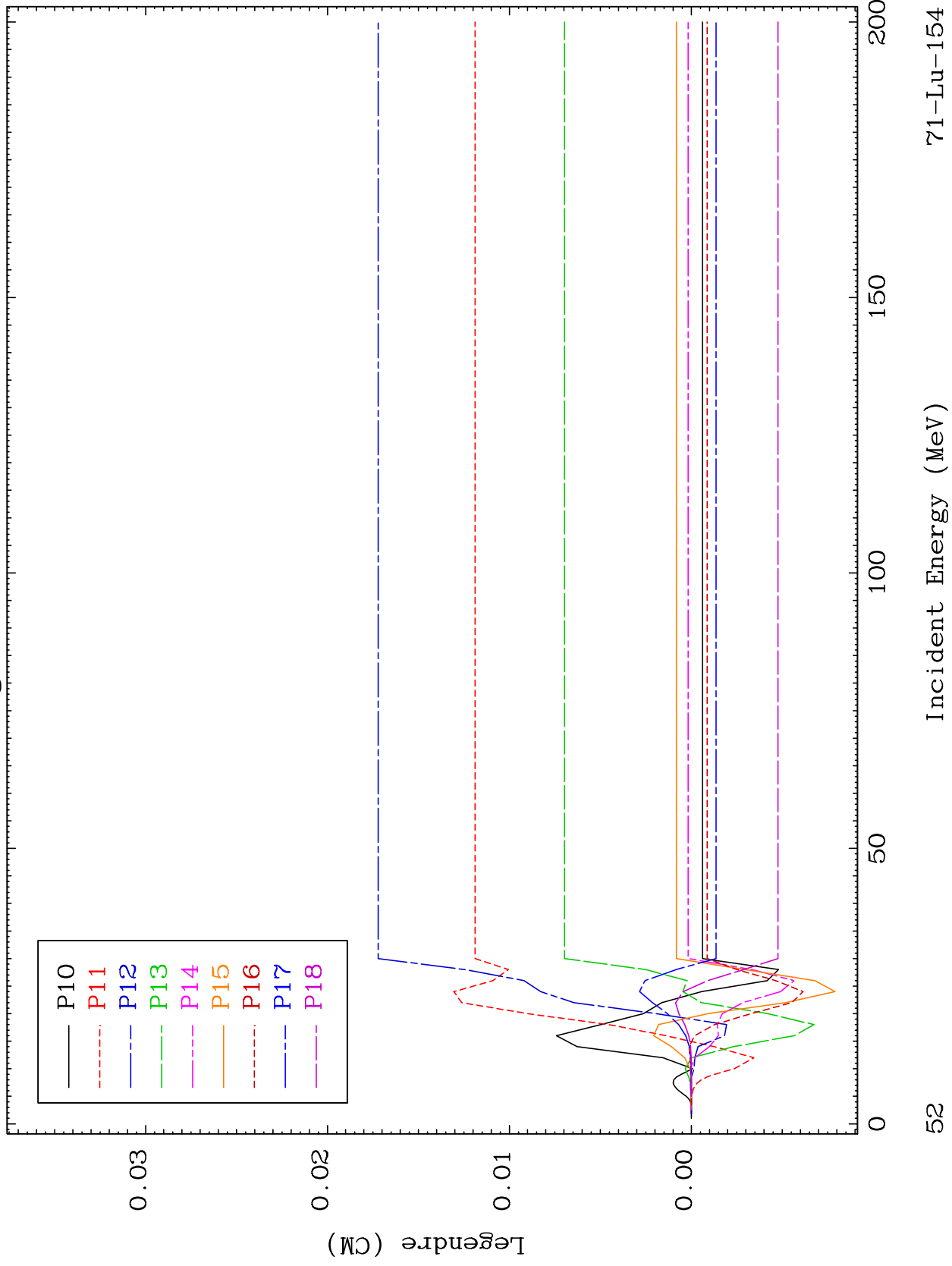




MAT 7062

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

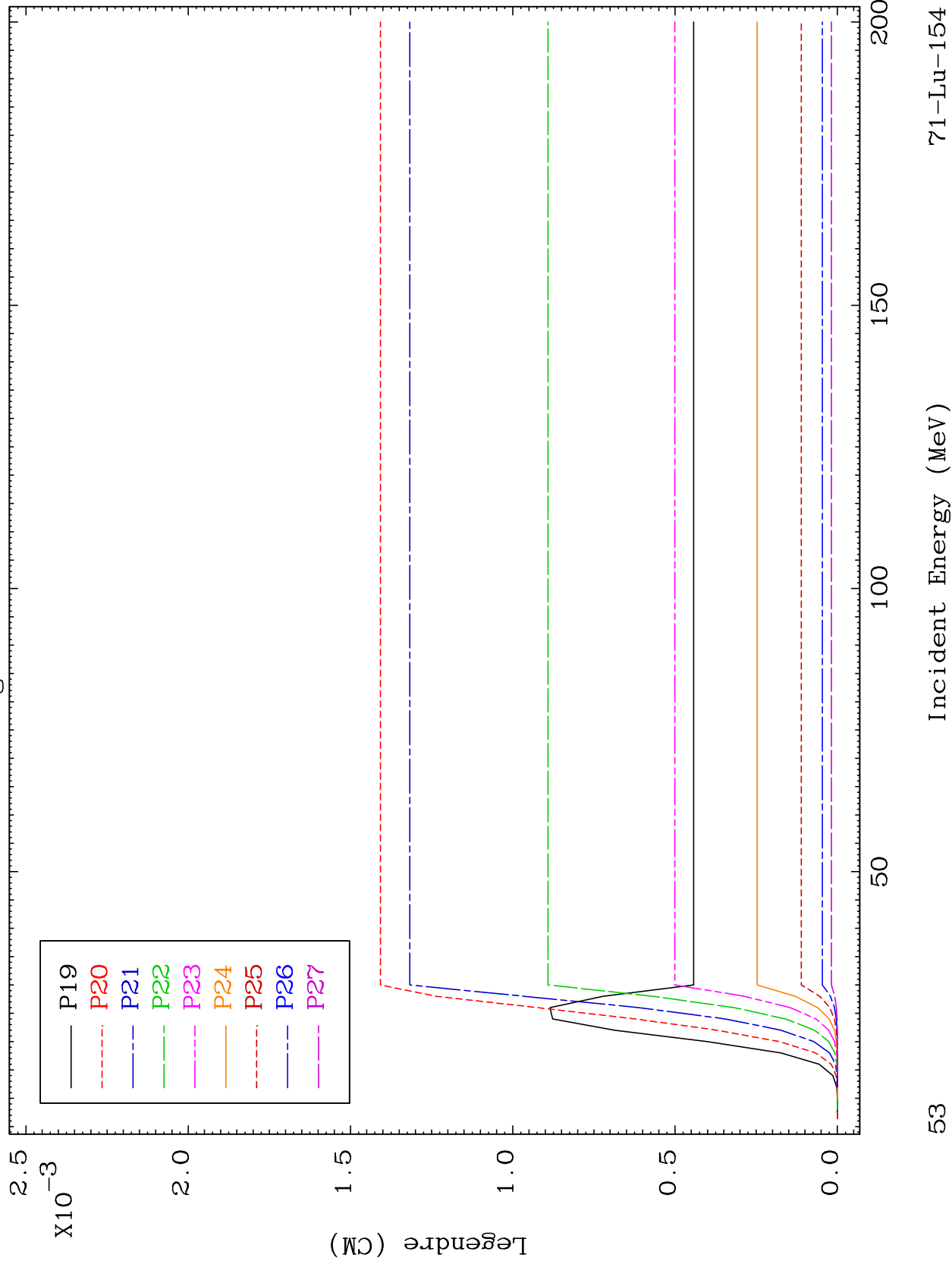
71-Lu-154



52

Incident Energy (MeV)

71-Lu-154

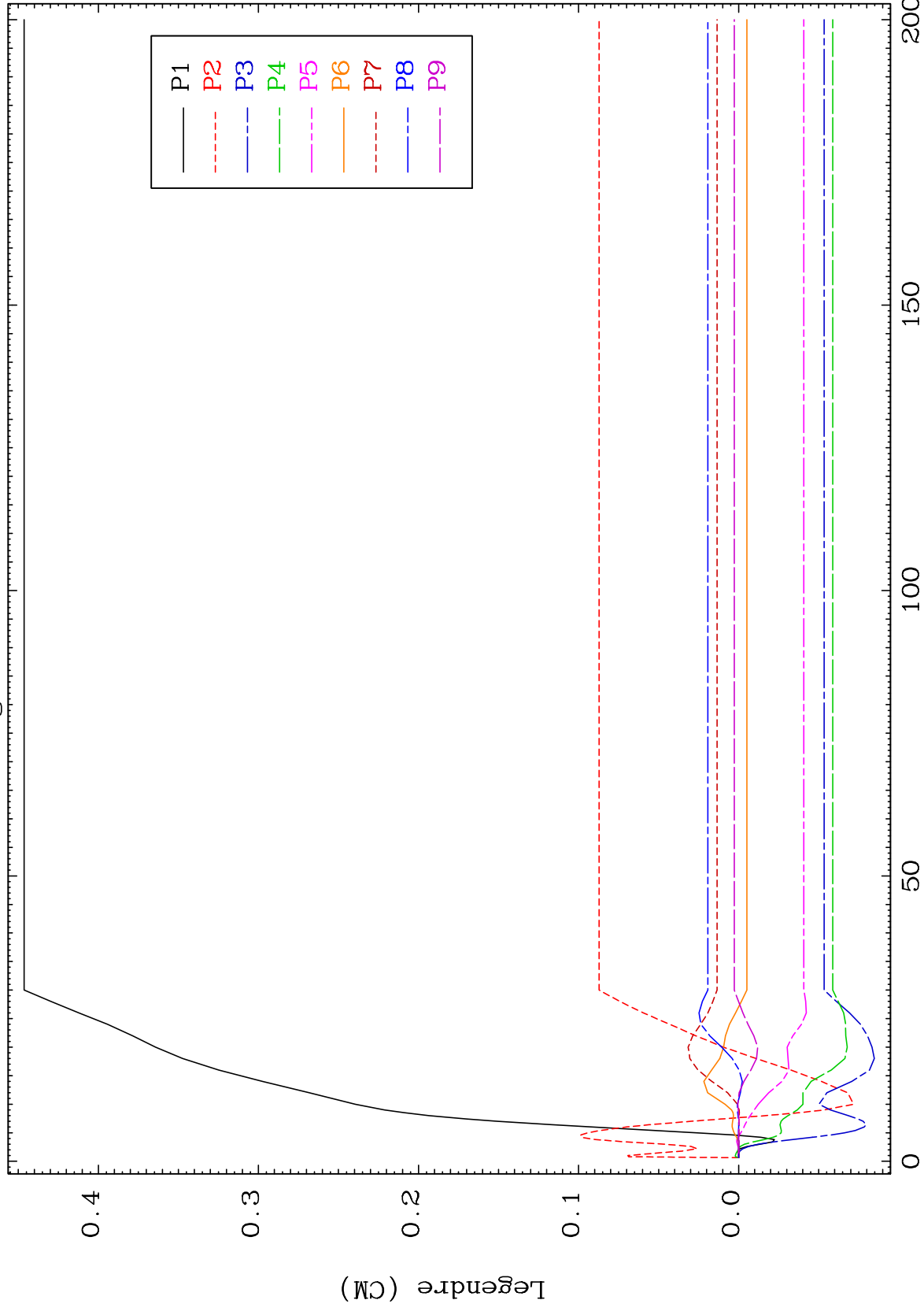




MAT 7062

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

71-Lu-154

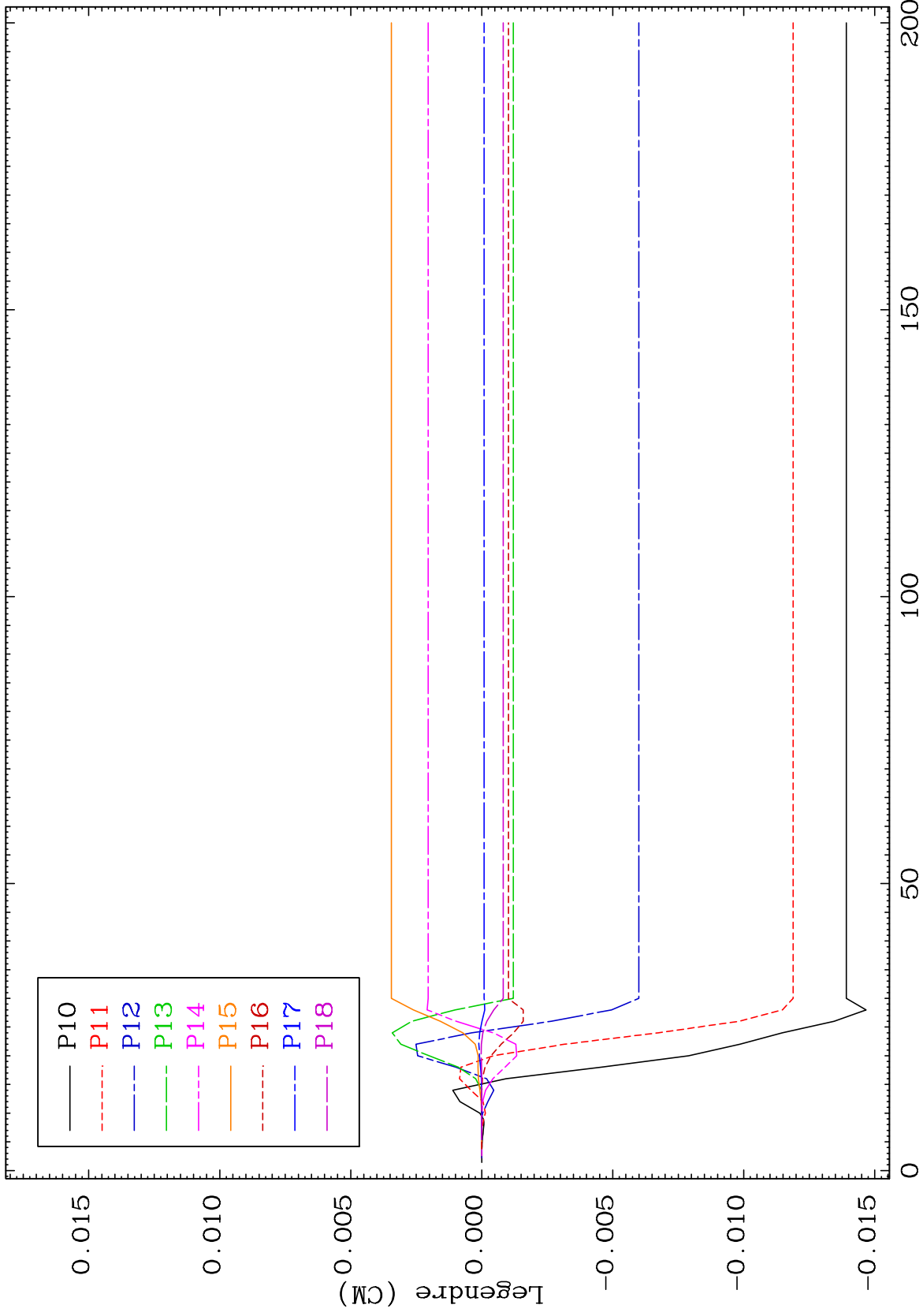


55

Incident Energy (MeV)

71-Lu-154

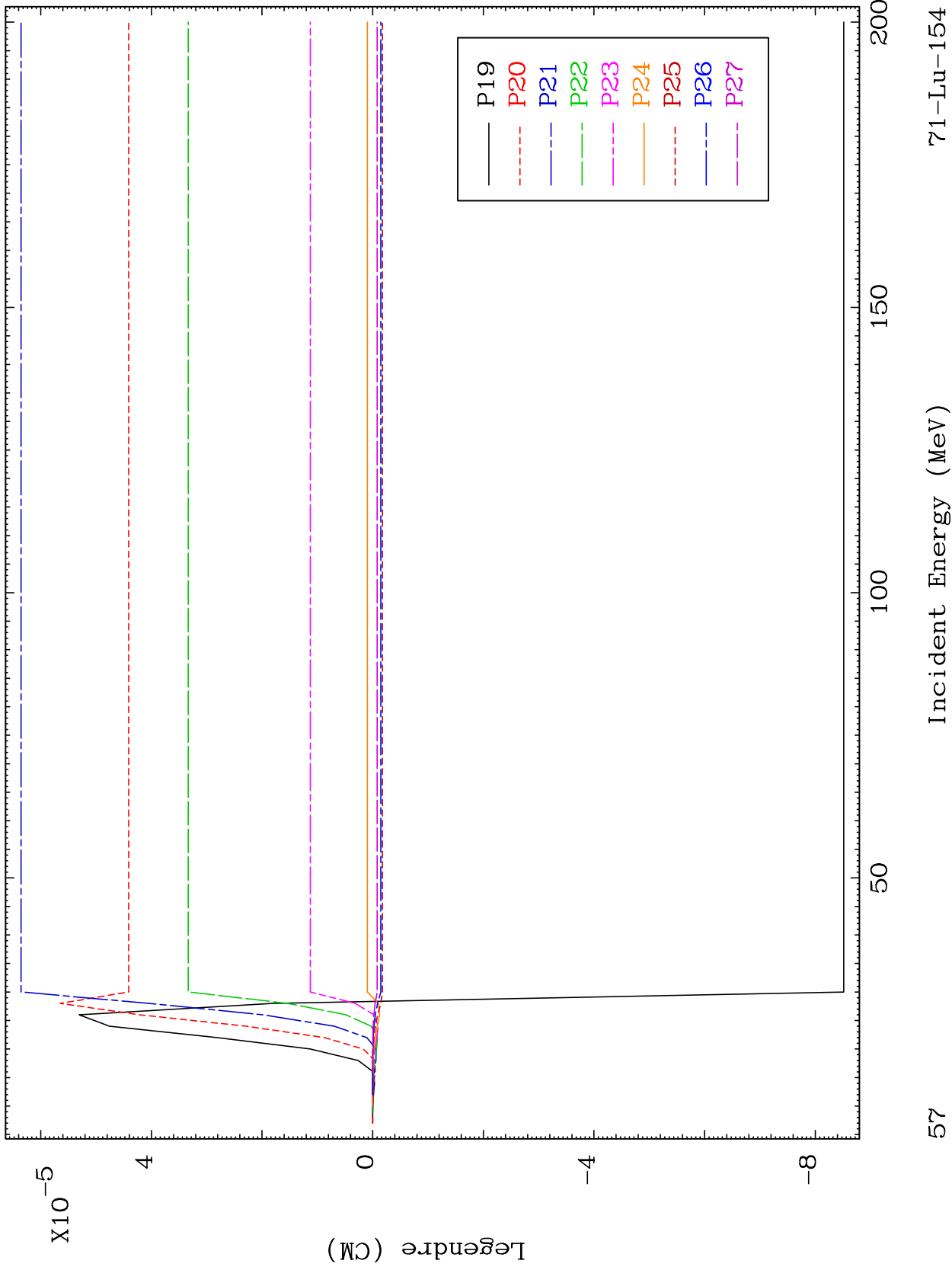




MAT 7062

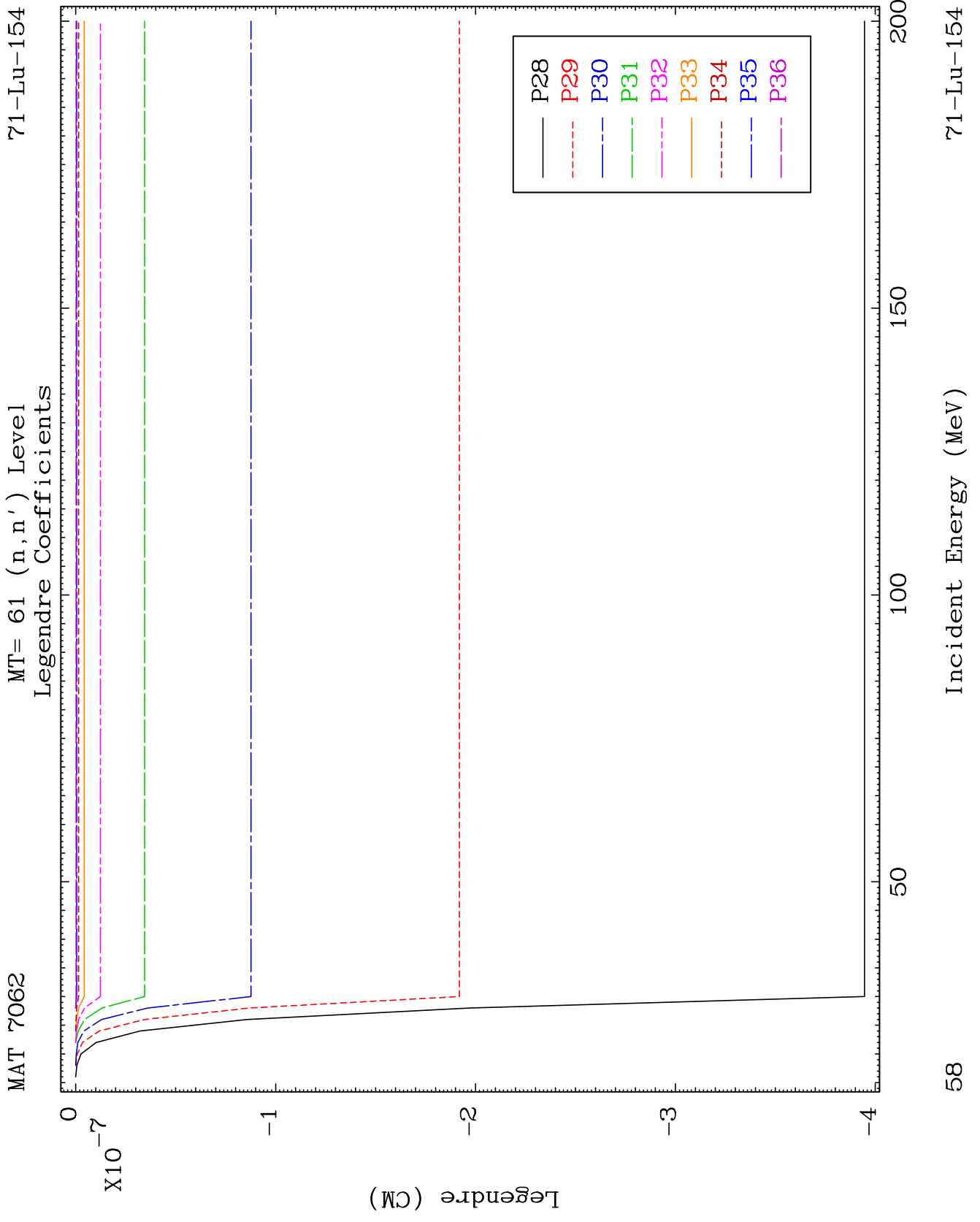
MT= 61 (n,n') Level  
Legendre Coefficients

71-Lu-154



57

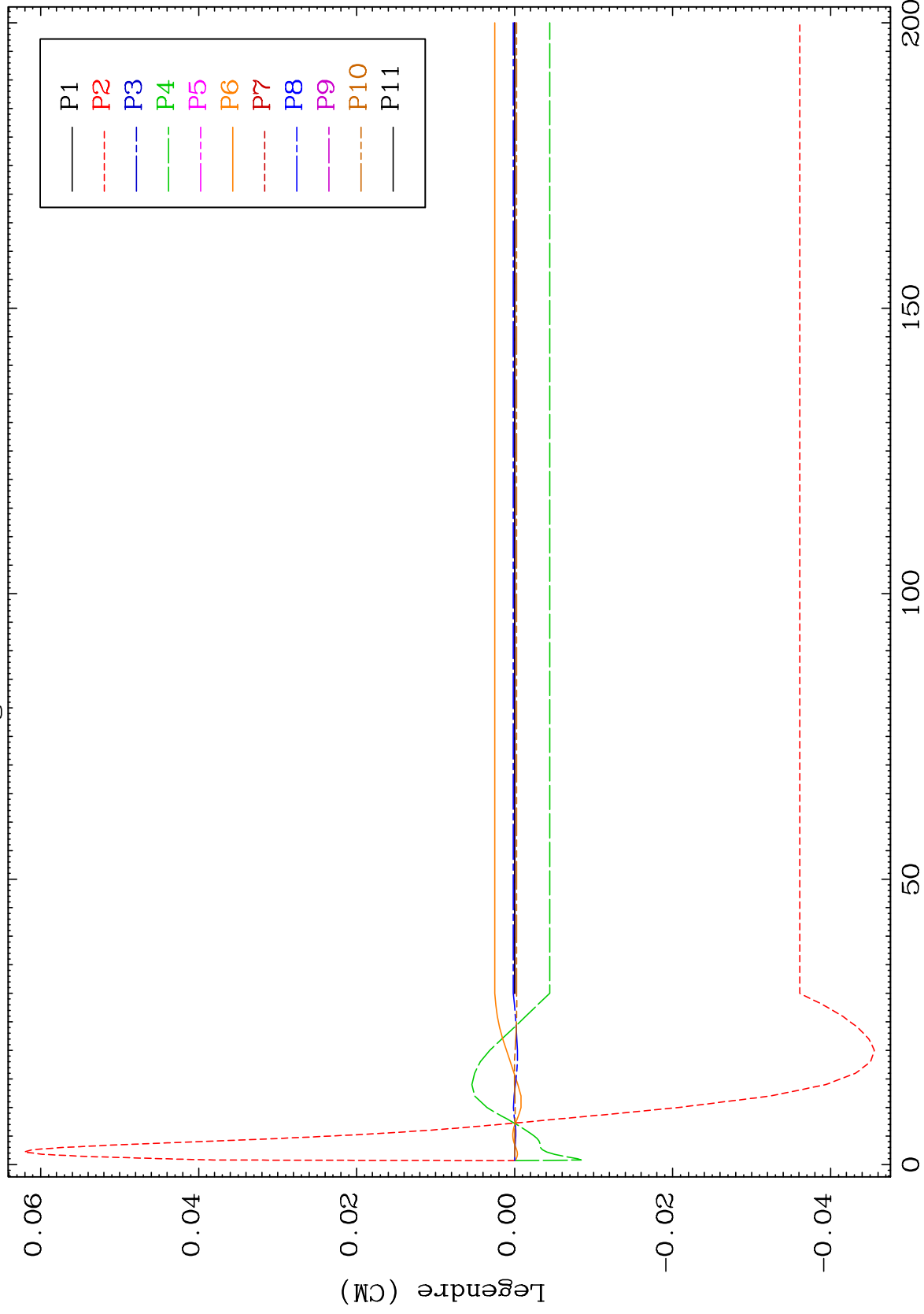
71-Lu-154



MAT 7062

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

71-Lu-154



59

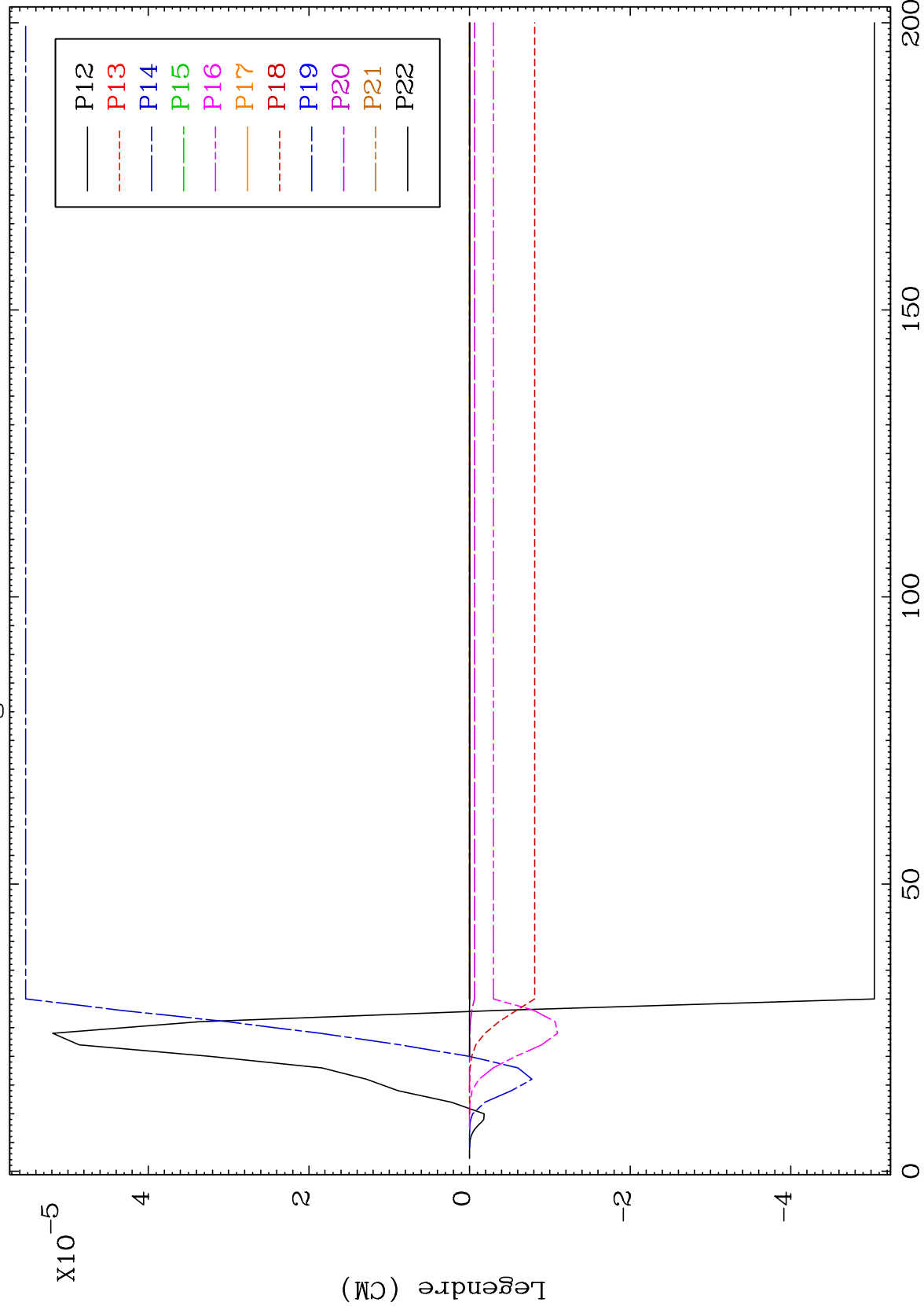
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

71-Lu-154

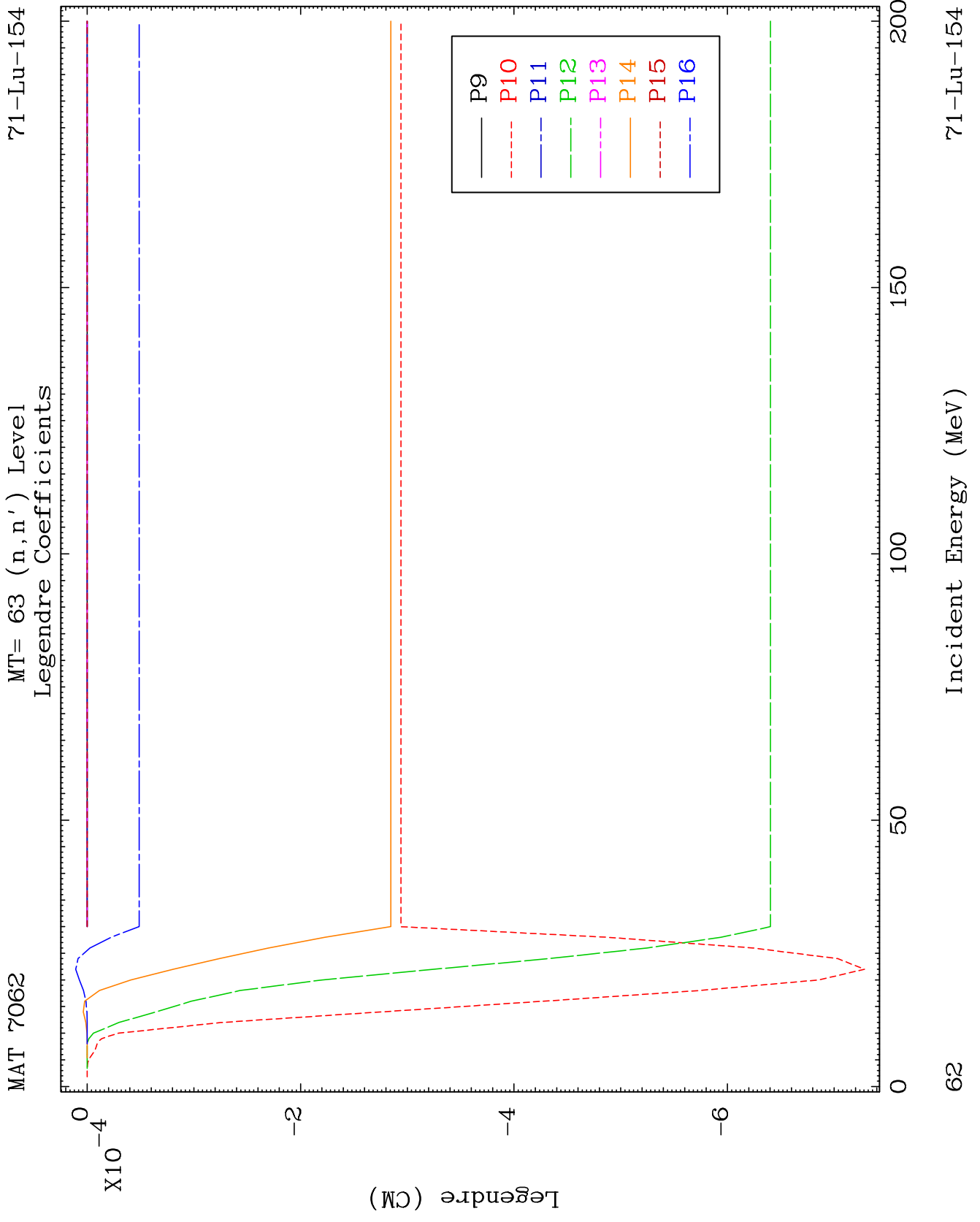


60

Incident Energy (MeV)

71-Lu-154







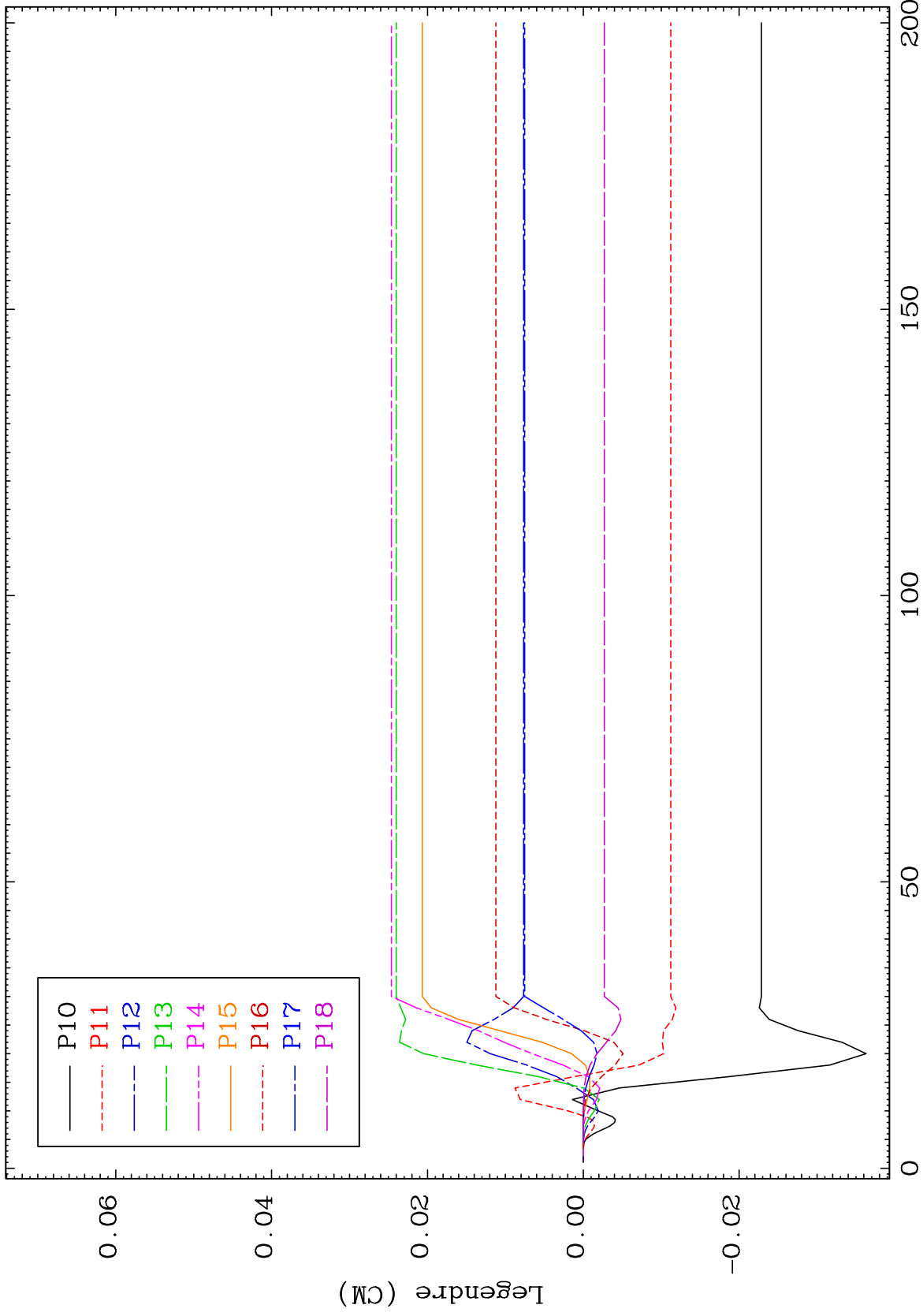




MAT 7062

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

71-Lu-154



65

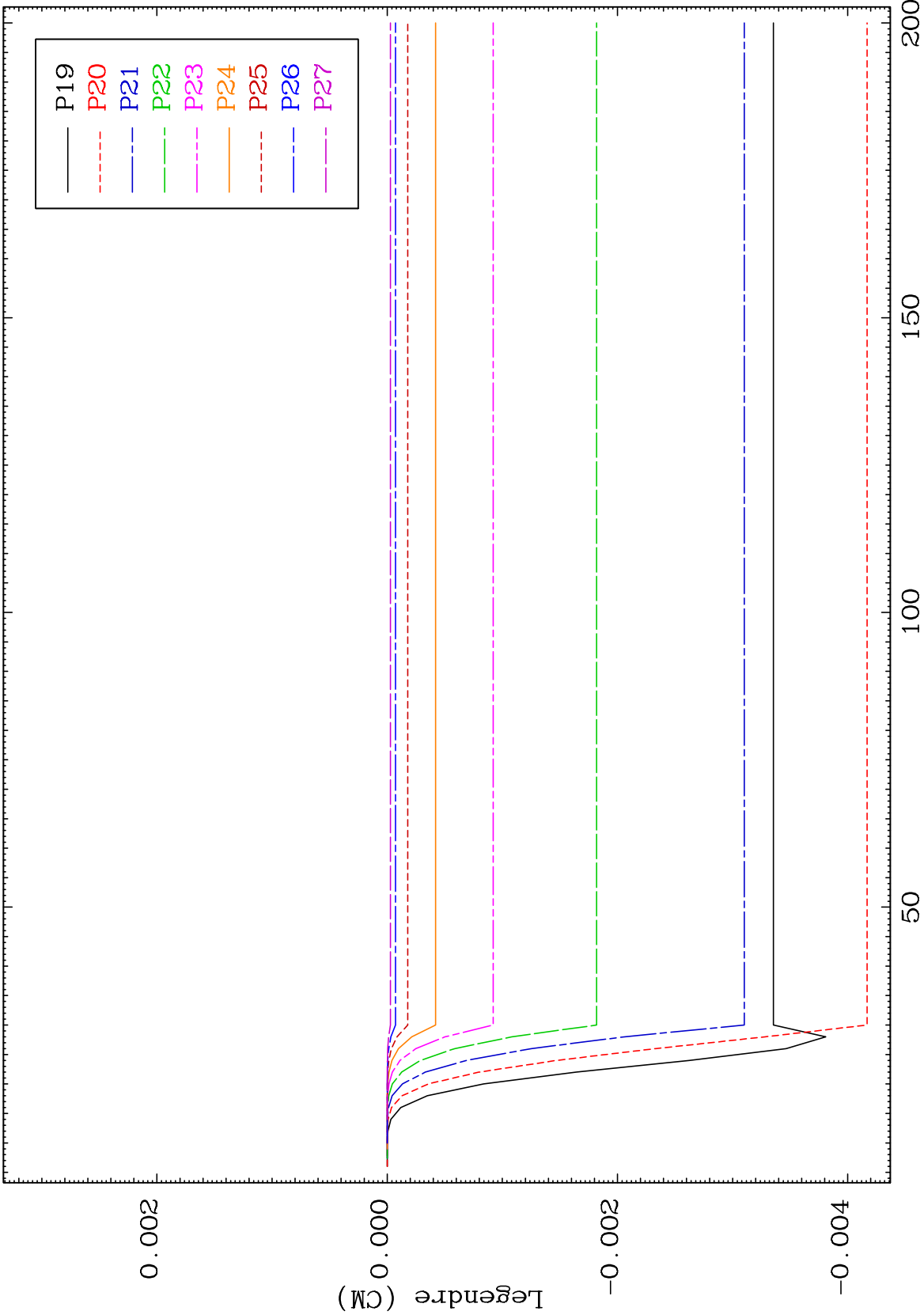
Incident Energy (MeV)

71-Lu-154

MAT 7062

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

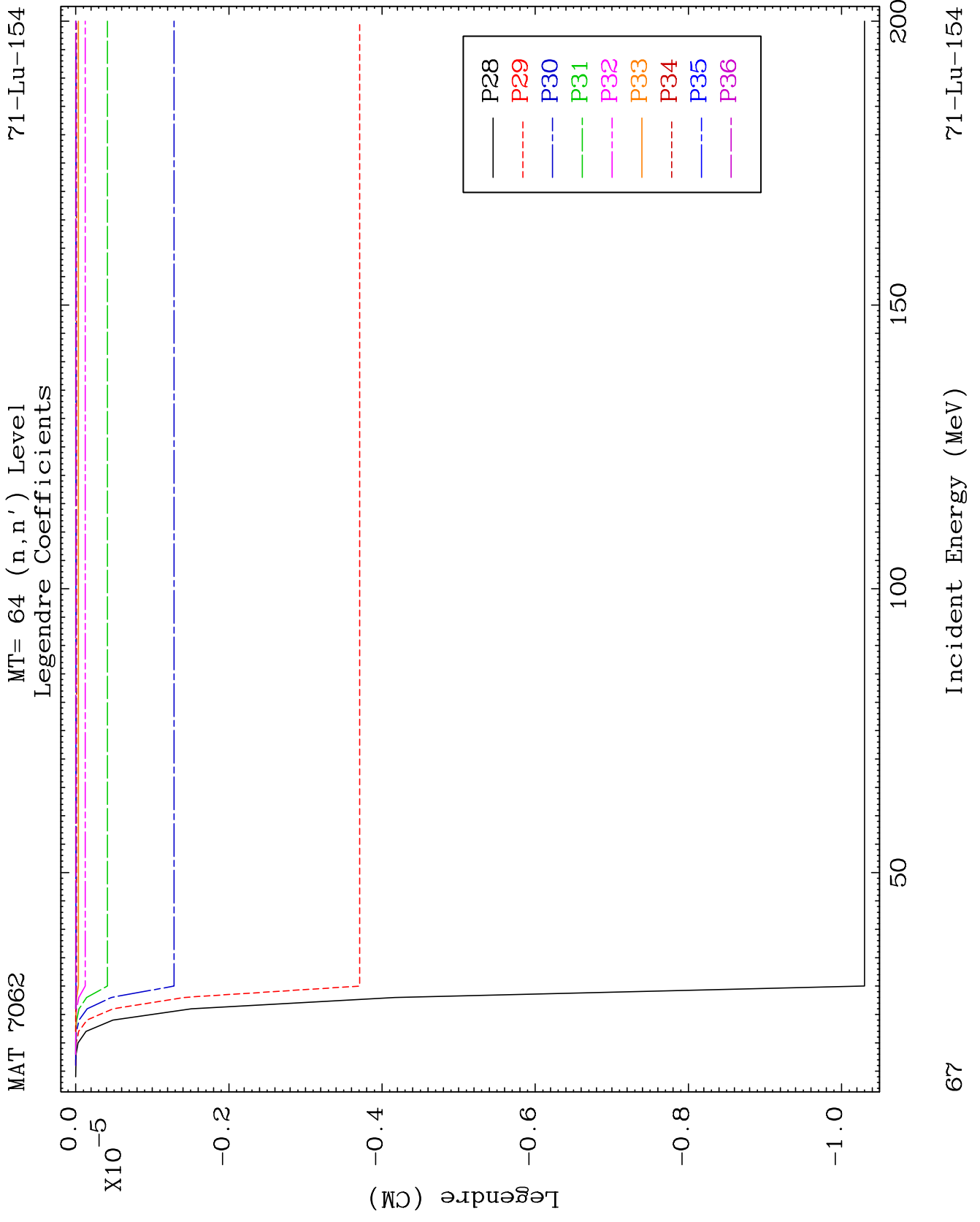
71-Lu-154



66

Incident Energy (MeV)

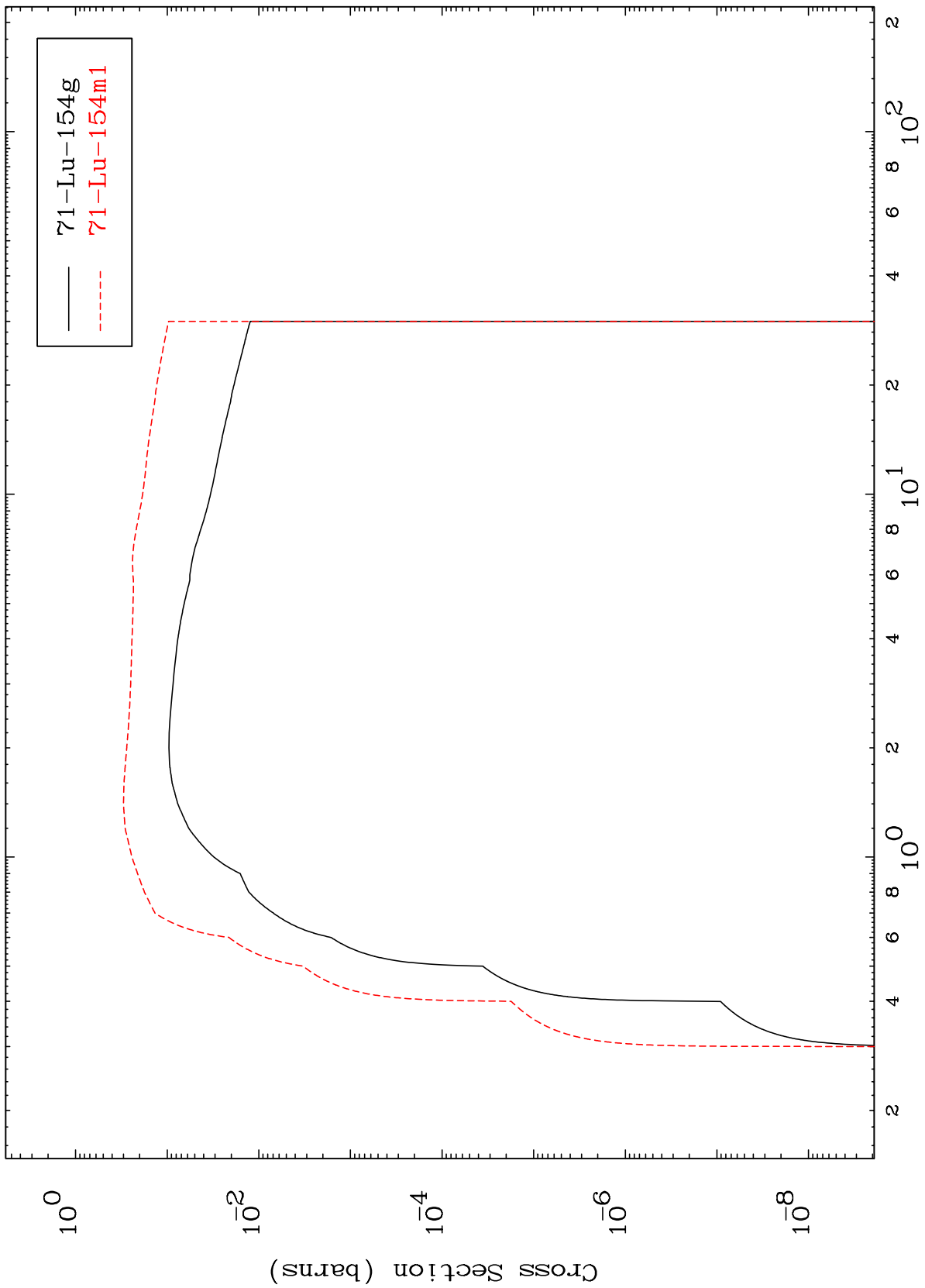
71-Lu-154



MAT 7062

71-Lu-154

Inelastic  
Radionuclide Production Cross Section



68

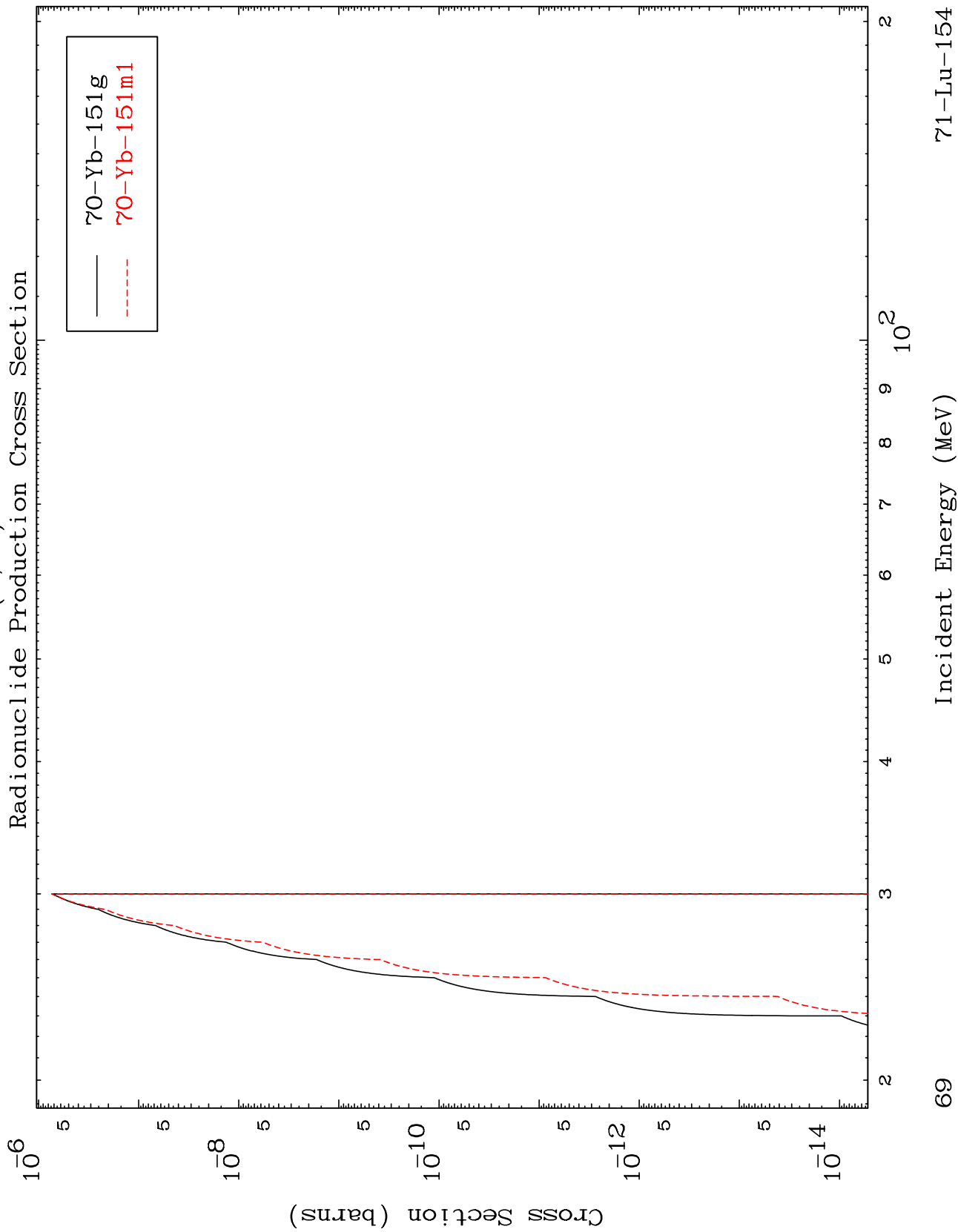
71-Lu-154

Incident Energy (MeV)

MAT 7062

(n,2n) d

71-Lu-154



69

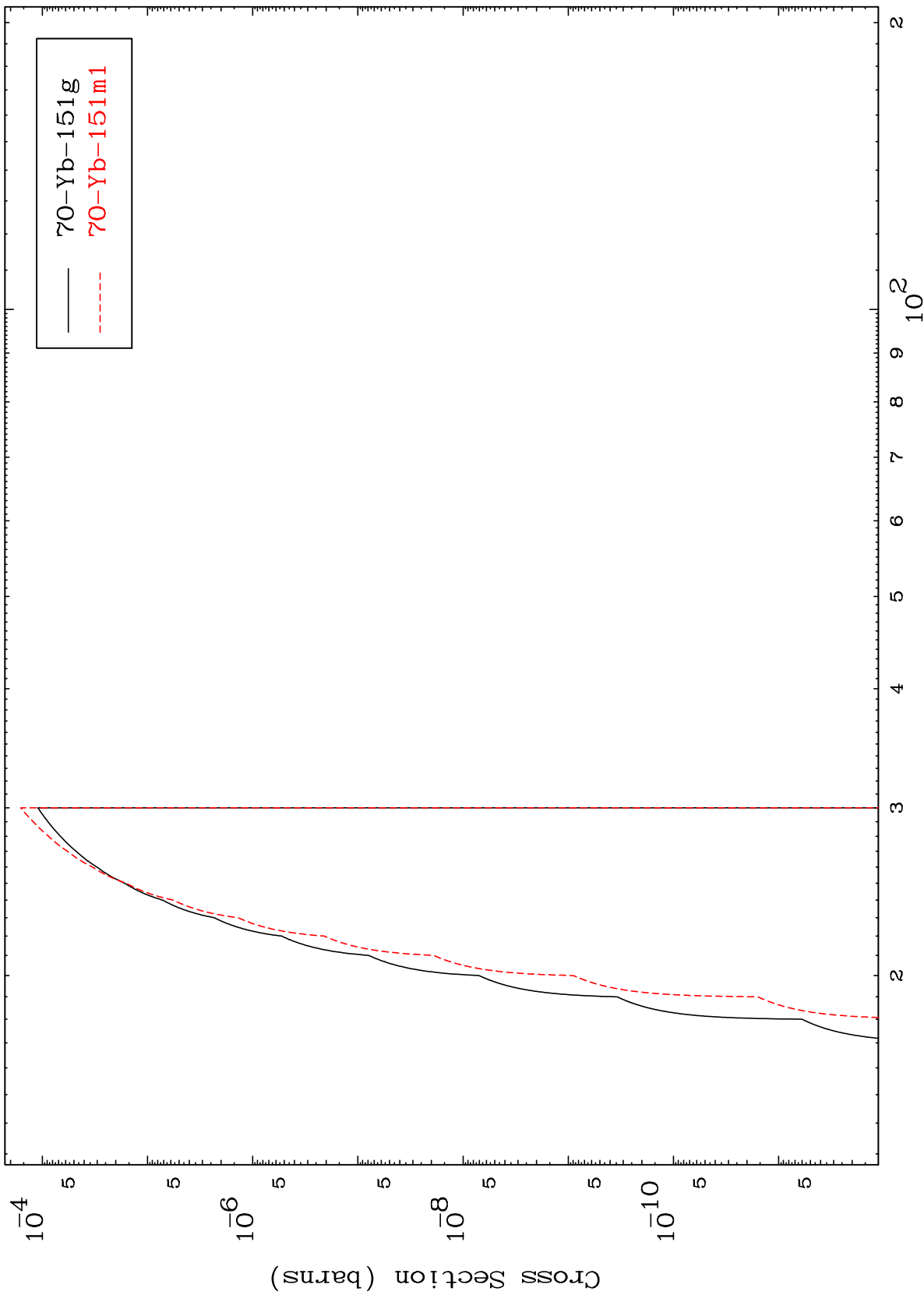
71-Lu-154

MAT 7062

(n,n') t

71-Lu-154

Radionuclide Production Cross Section



70

Incident Energy (MeV)

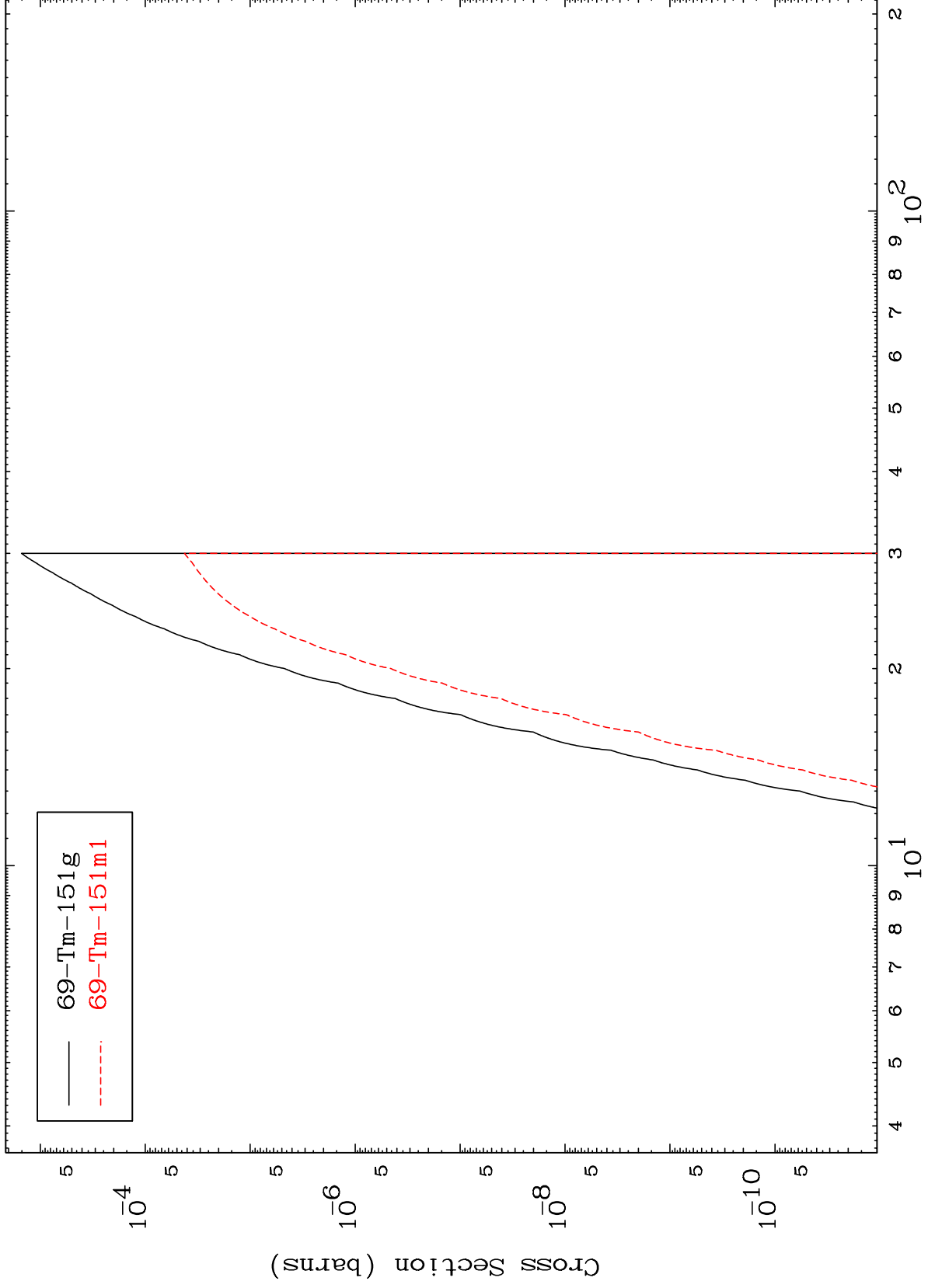
71-Lu-154

MAT 7062

(n,n') He-3

71-Lu-154

Radionuclide Production Cross Section



69-Tm-151g  
69-Tm-151m1

71

Incident Energy (MeV)

71-Lu-154

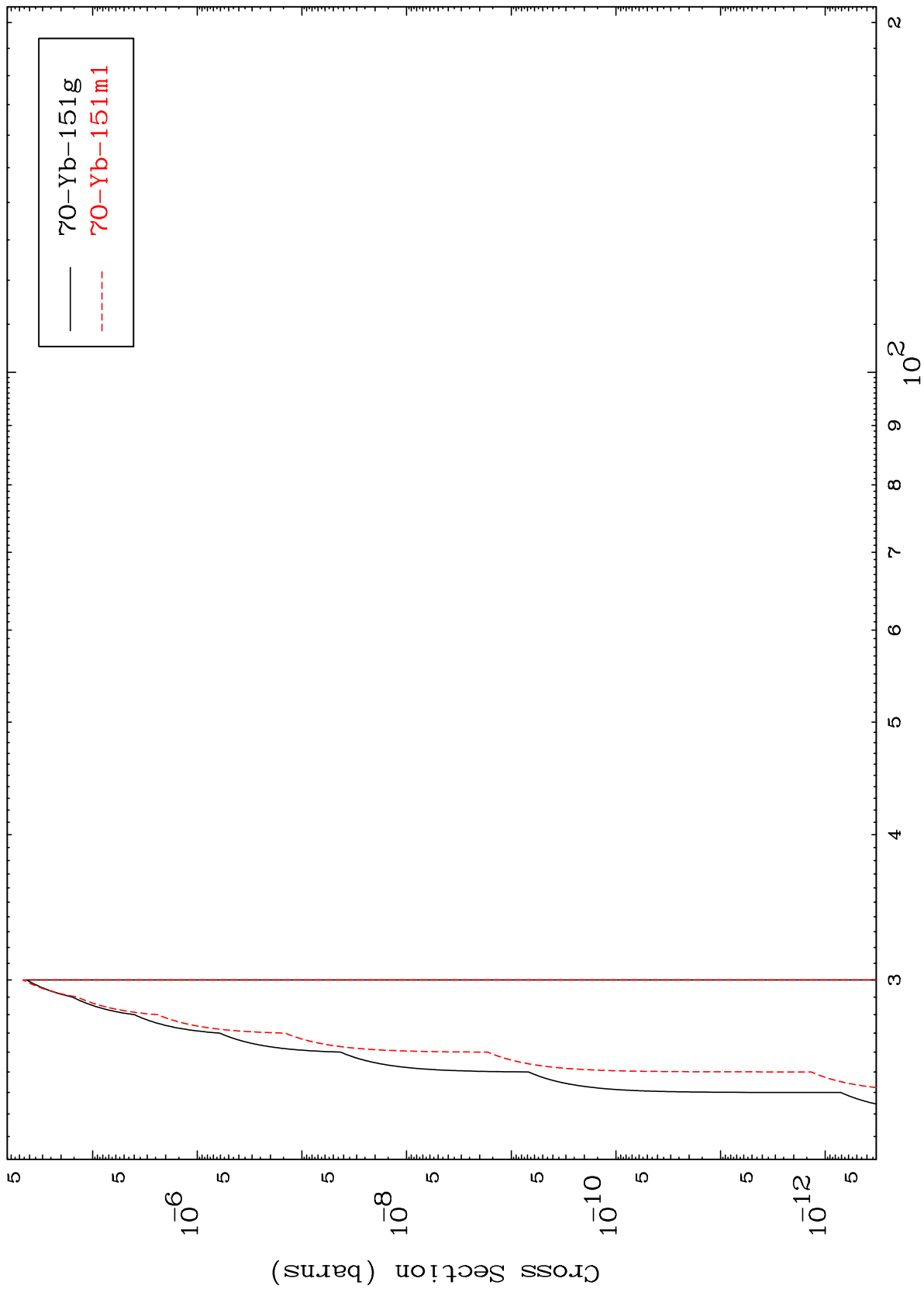


MAT 7062

(n,3n) p

71-Lu-154

Radionuclide Production Cross Section



72

Incident Energy (MeV)

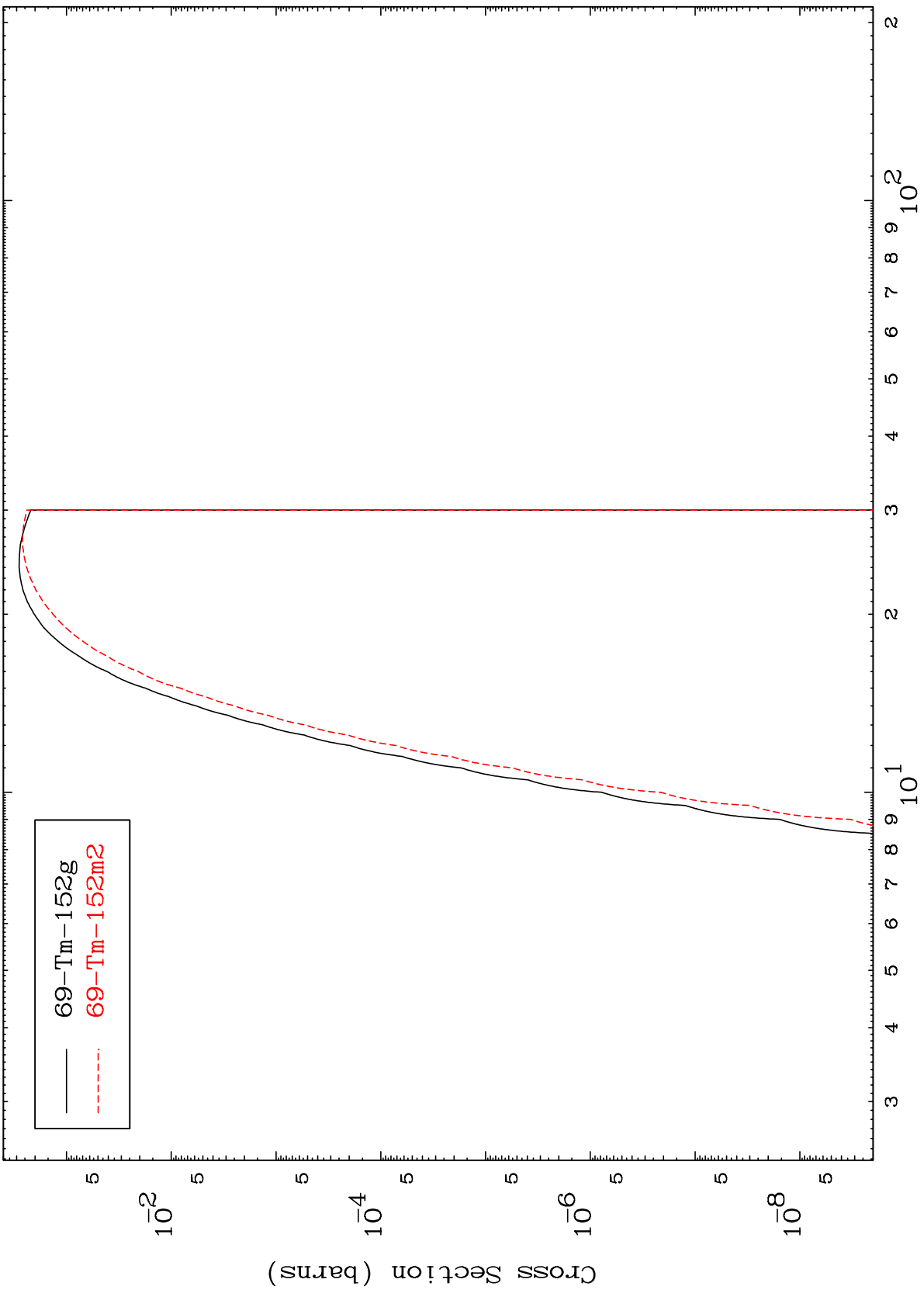
71-Lu-154

MAT 7062

(n,2n) p

71-Lu-154

Radionuclide Production Cross Section



73

Incident Energy (MeV)

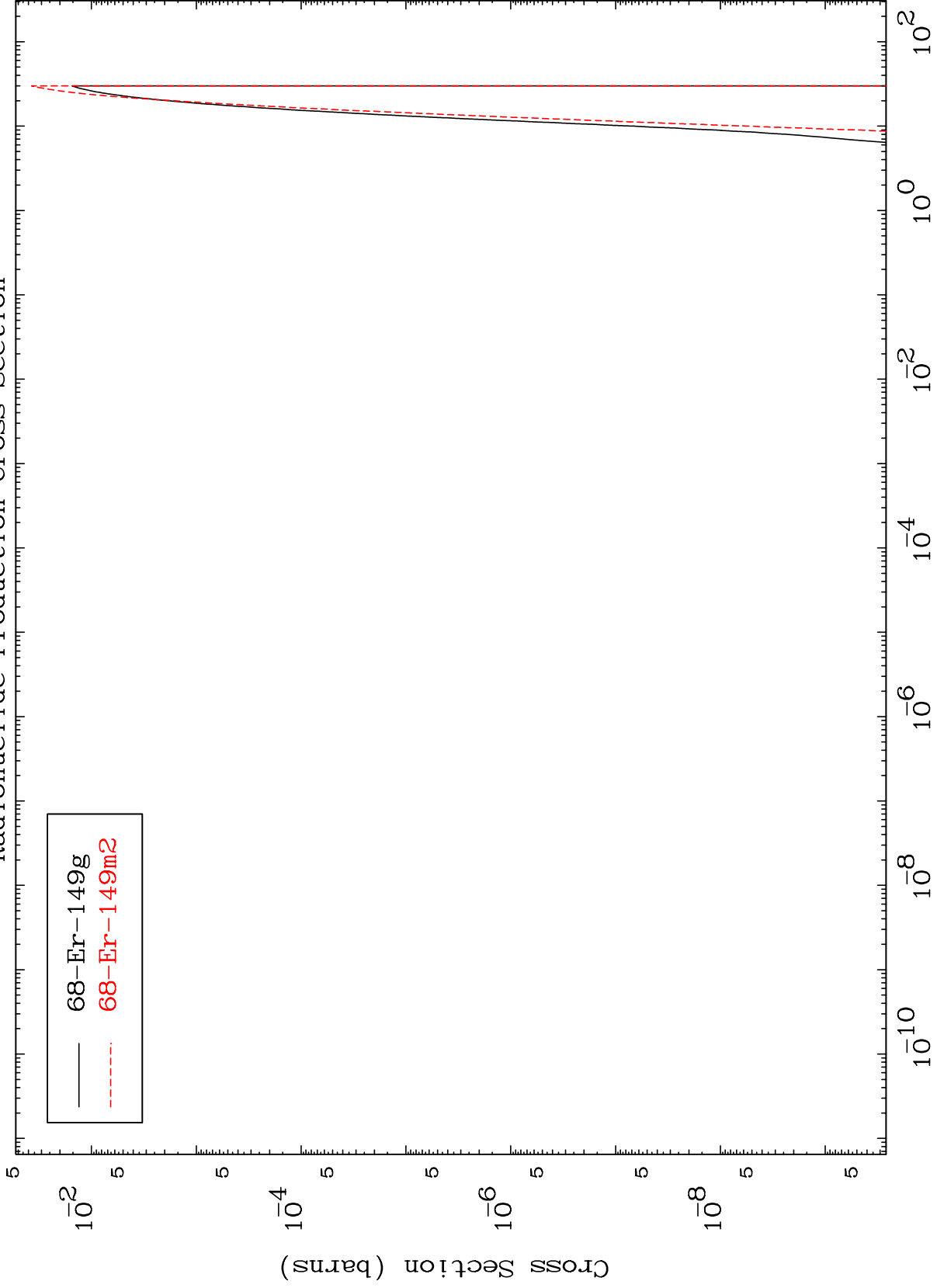
71-Lu-154

MAT 7062

(n,n') p  $\alpha$

71-Lu-154

Radionuclide Production Cross Section



68-Er-149g  
68-Er-149m2

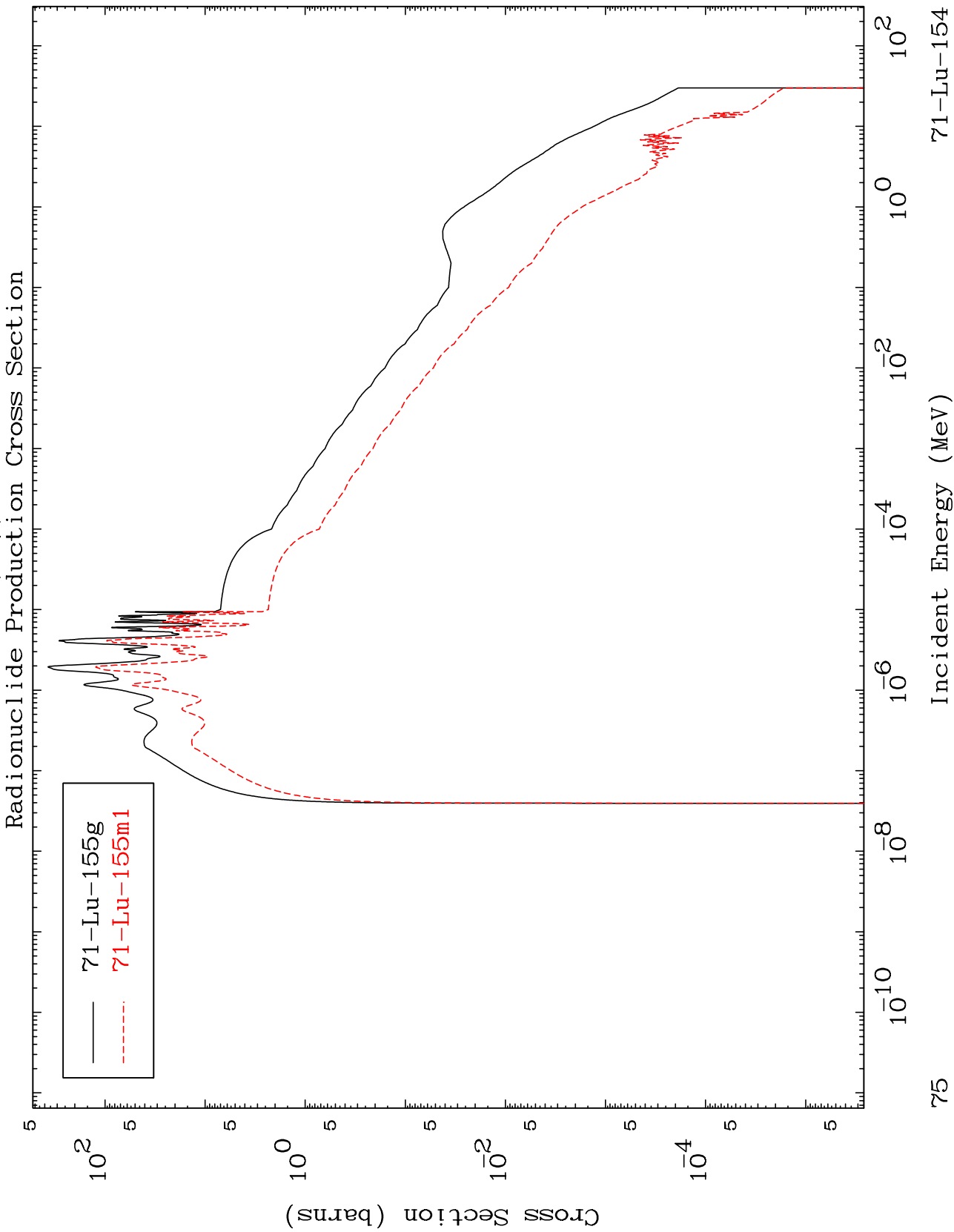
74

Incident Energy (MeV)

71-Lu-154

MAT 7062

<sup>71</sup>Lu-154

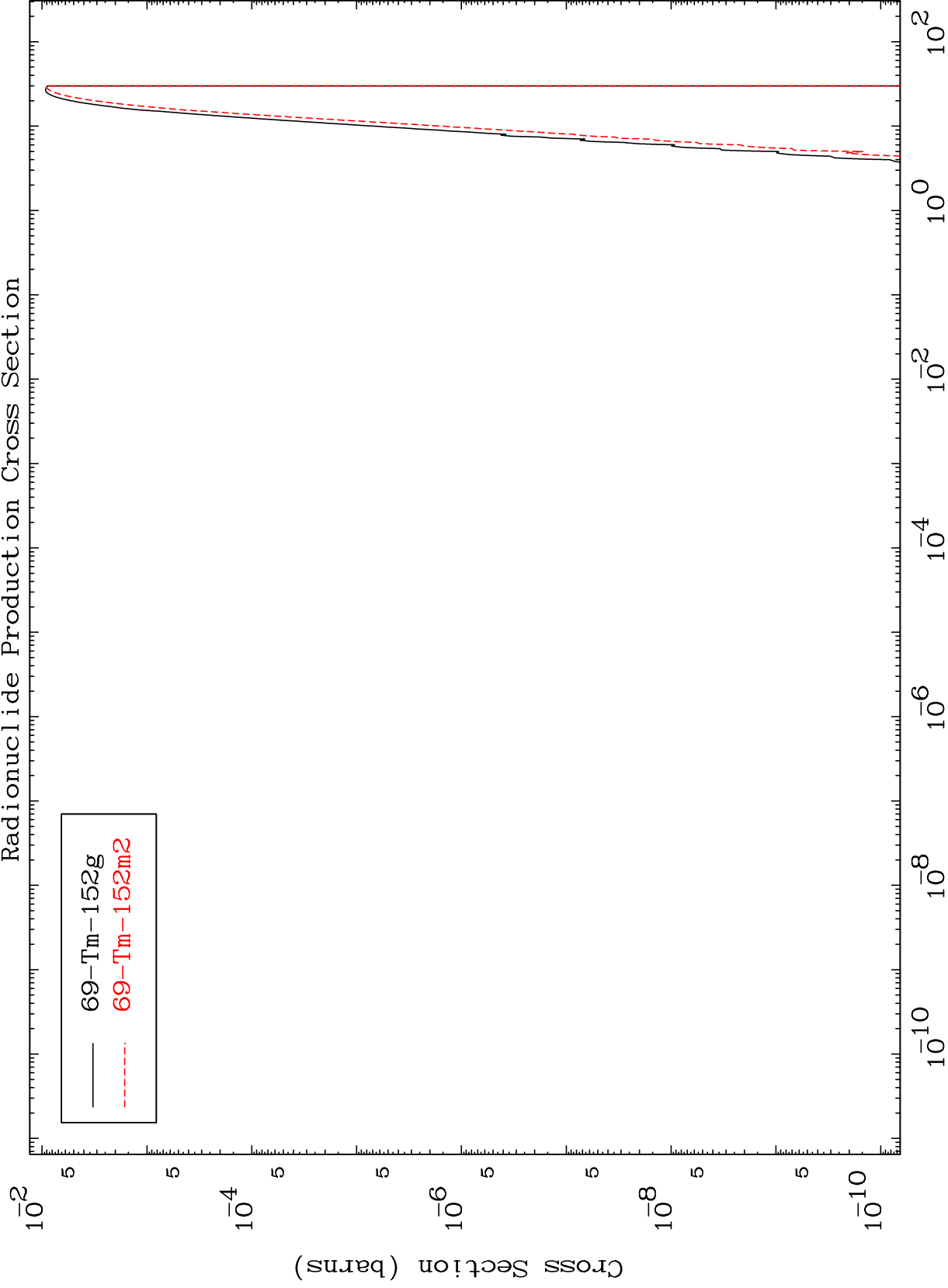


MAT 7062

(n,He-3)

71-Lu-154

Radionuclide Production Cross Section



76

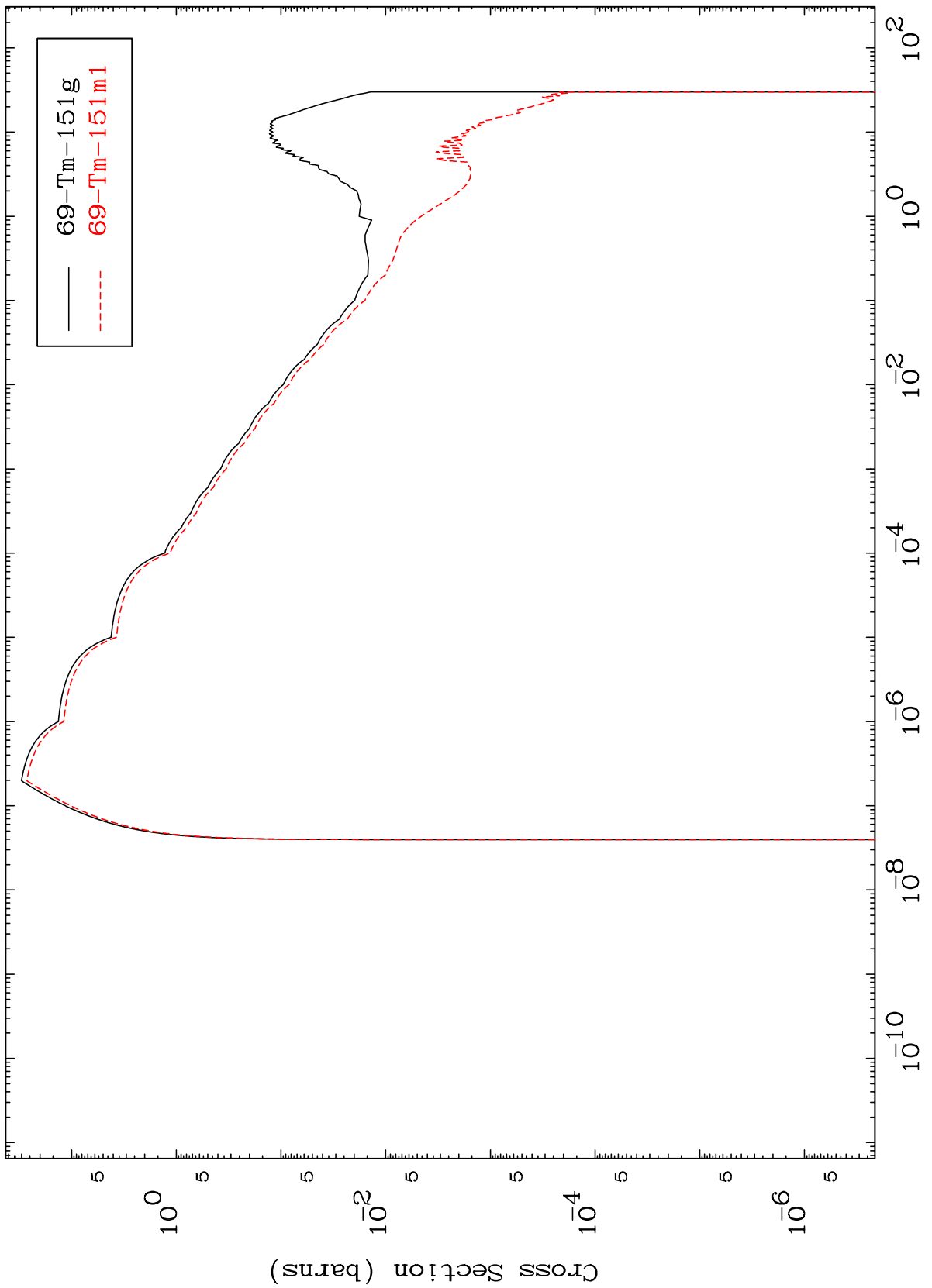
Incident Energy (MeV)

71-Lu-154

MAT 7062

71-Lu-154

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



77

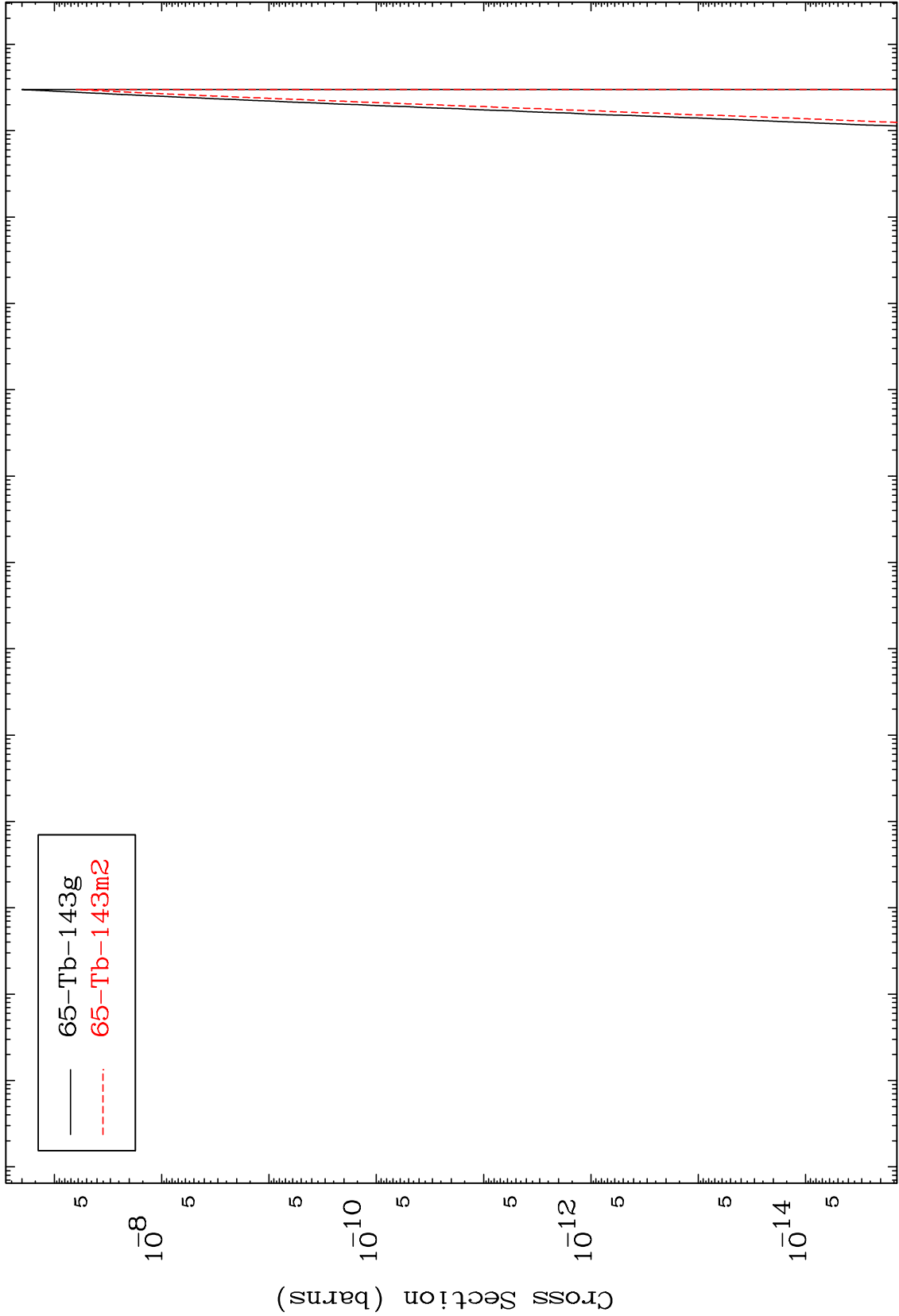
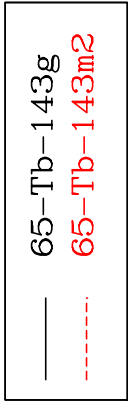
71-Lu-154

MAT 7062

(n, 3α)

<sup>71</sup>Lu-154

Radionuclide Production Cross Section



10<sup>-10</sup> 10<sup>-8</sup> 10<sup>-6</sup> 10<sup>-4</sup> 10<sup>0</sup> 10<sup>2</sup>

Incident Energy (MeV)

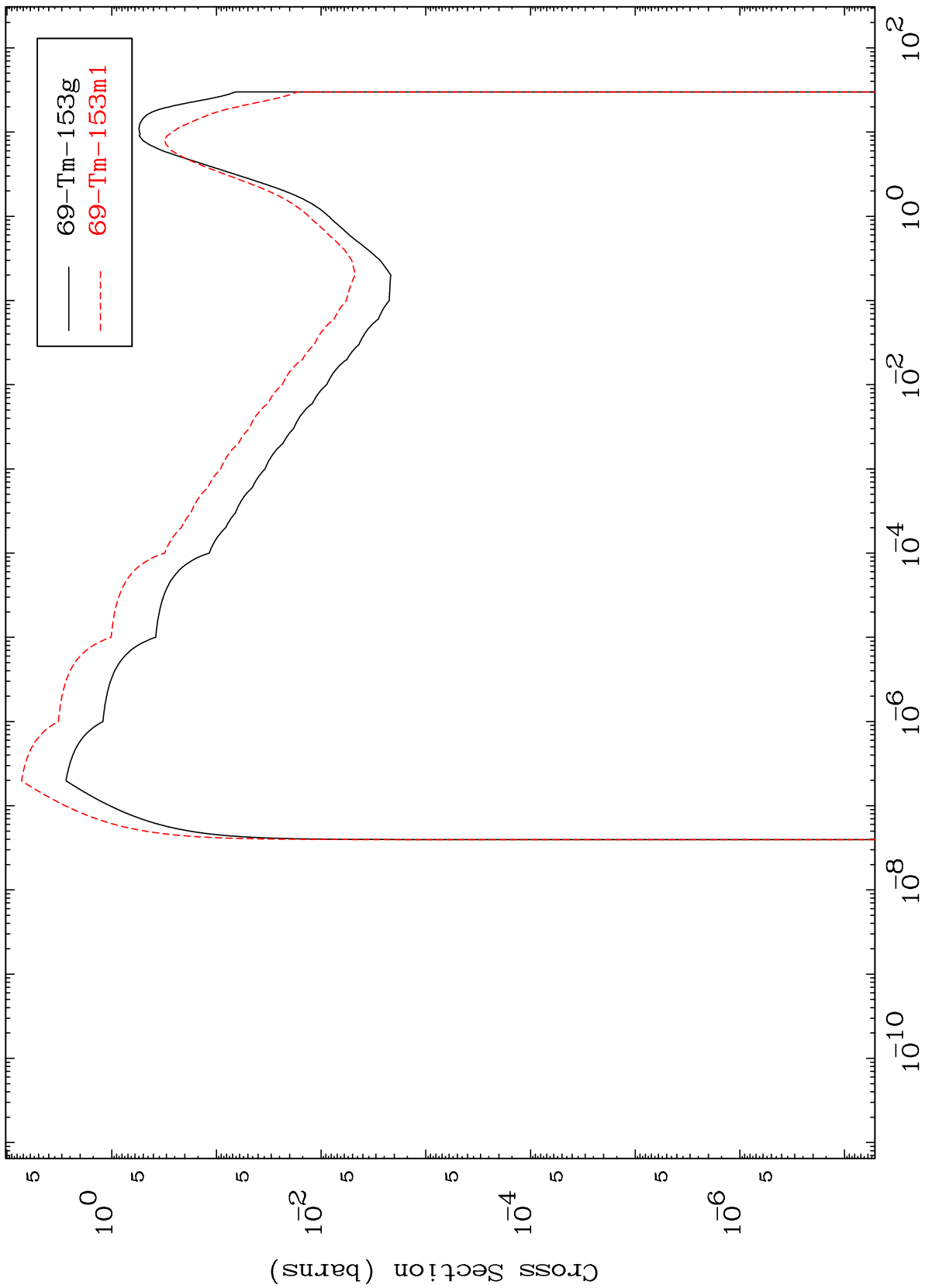
<sup>71</sup>Lu-154

78

MAT 7062

71-Lu-154

(n,2p)  
Radionuclide Production Cross Section



79

71-Lu-154

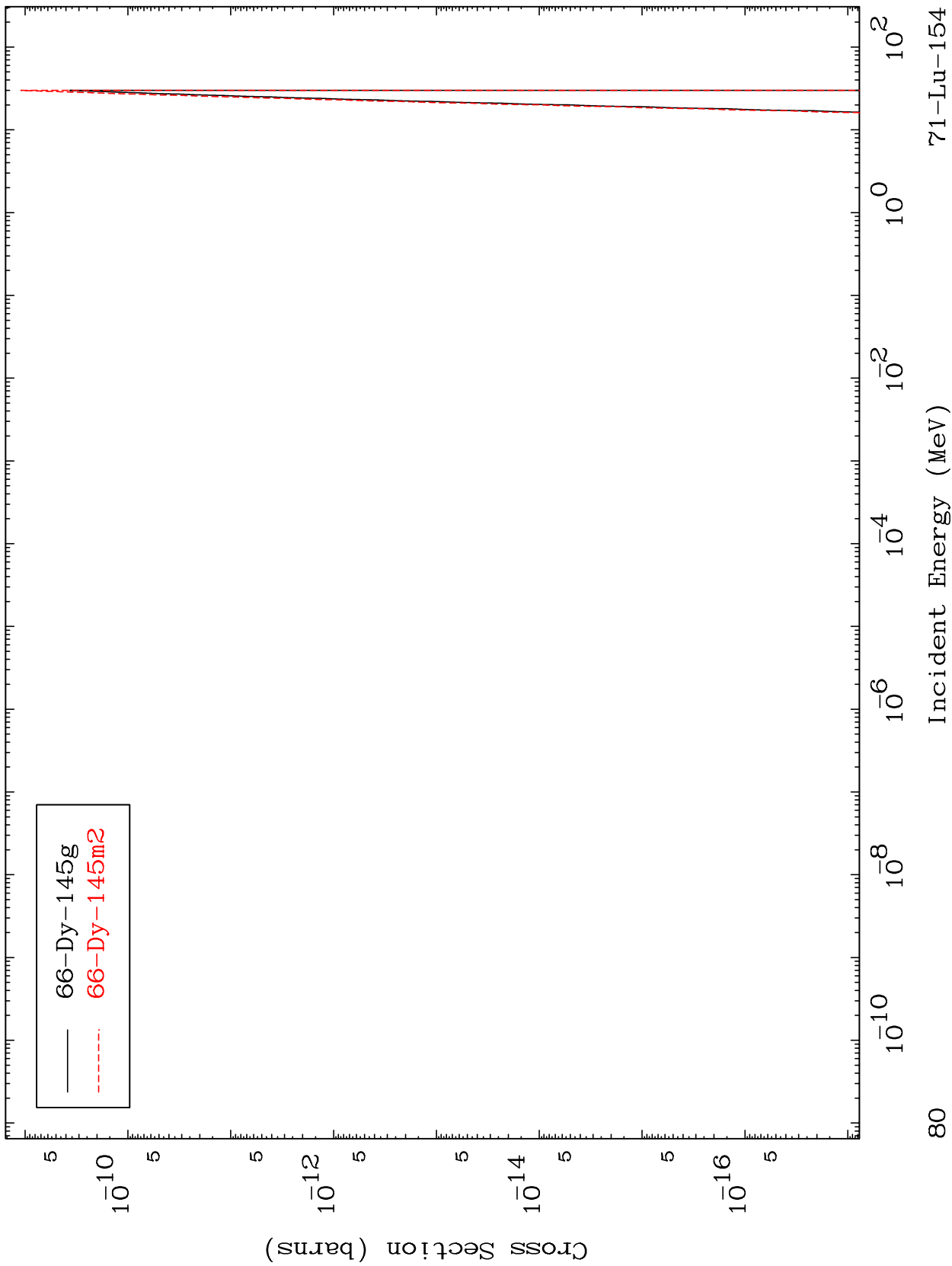


MAT 7062

(n,d) 2 $\alpha$

71-Lu-154

Radionuclide Production Cross Section

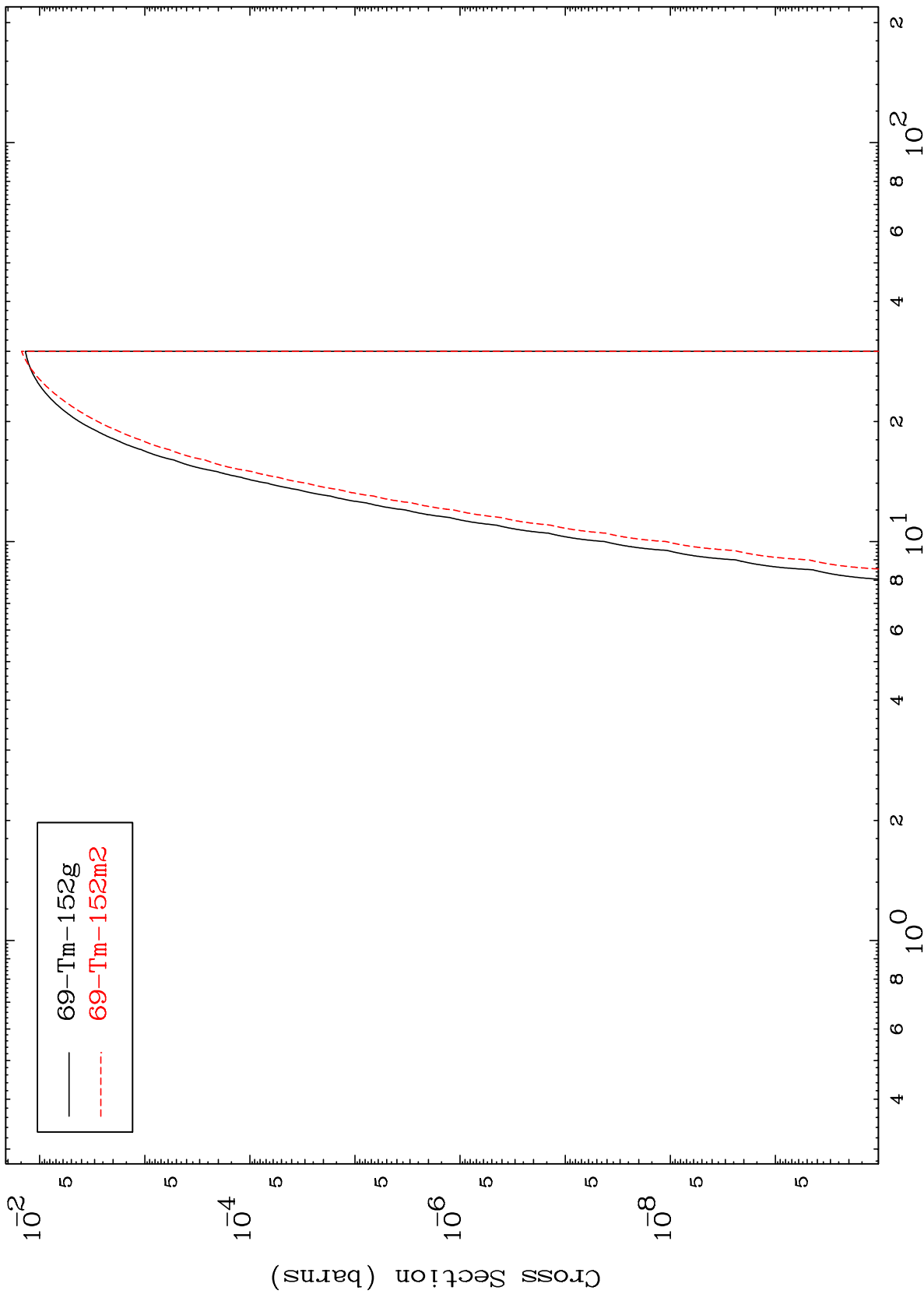


MAT 7062

(n,p) d

71-Lu-154

Radionuclide Production Cross Section

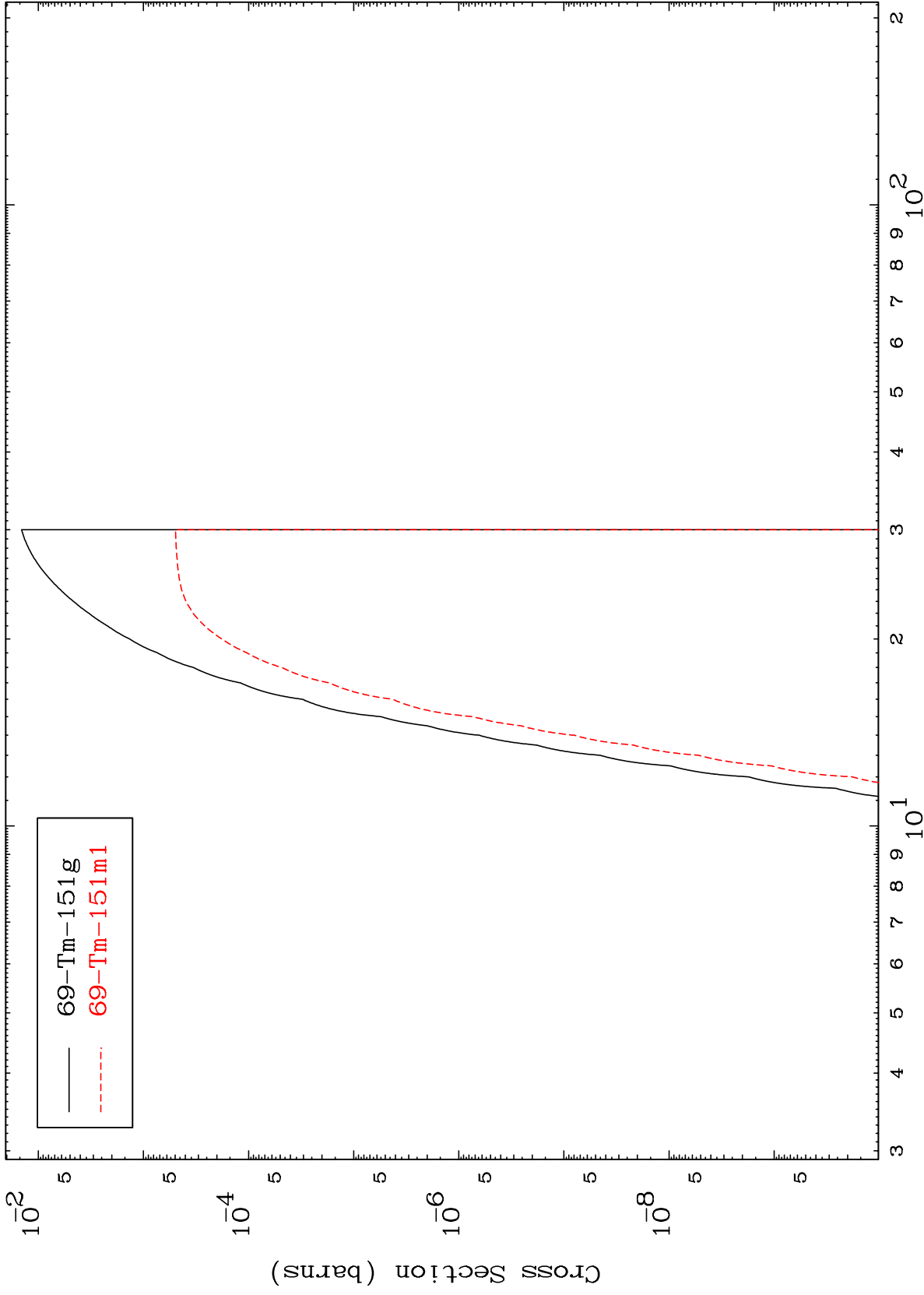


MAT 7062

(n,p) t

<sup>71</sup>Lu-154

Radionuclide Production Cross Section



— 69-Tm-151g  
- - - 69-Tm-151m1

Incident Energy (MeV)

<sup>71</sup>Lu-154

82

MAT 7062

(n,d)  $\alpha$

<sup>71</sup>Lu-154

Radionuclide Production Cross Section

