

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

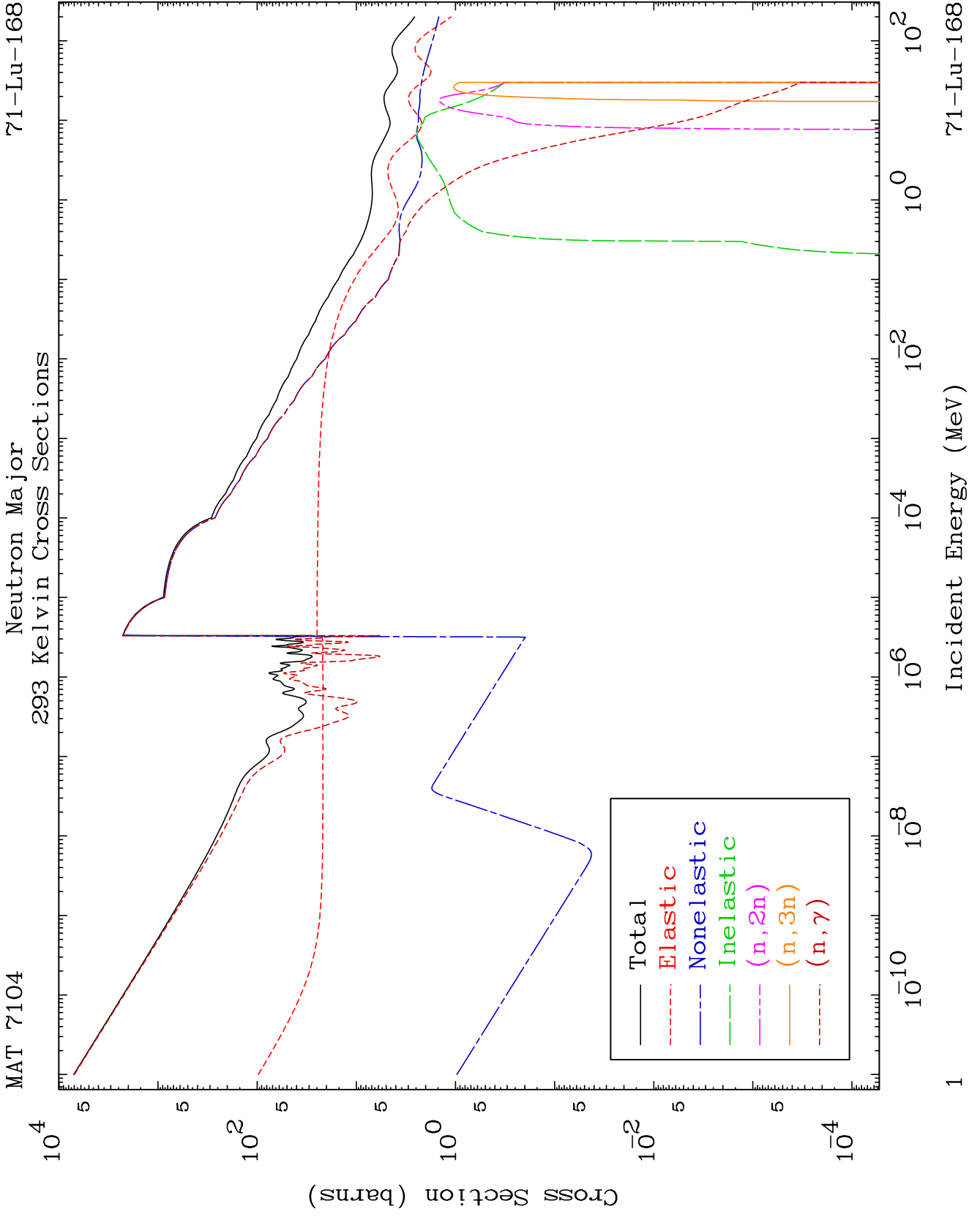
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

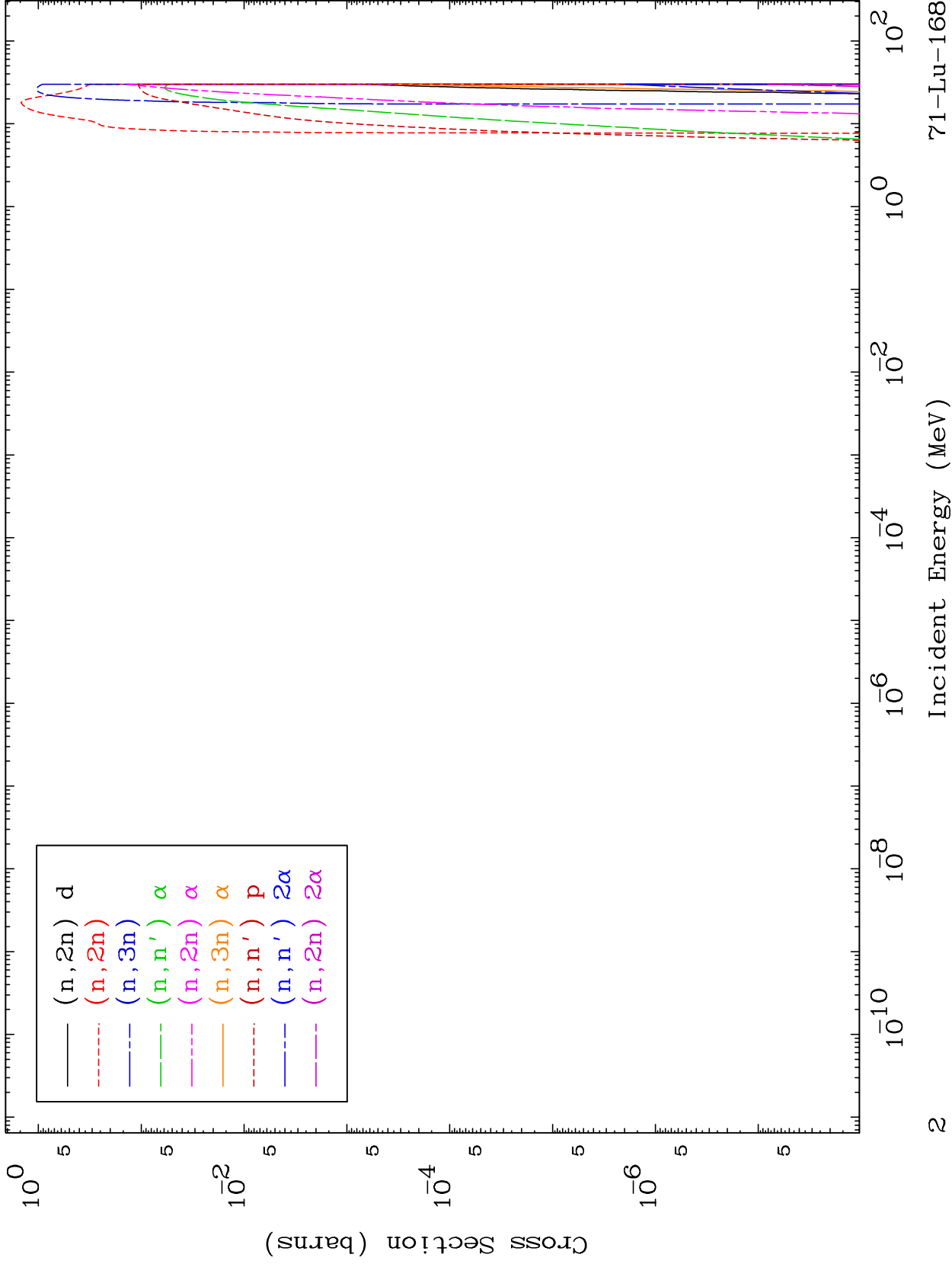
Press Mouse Button to Start

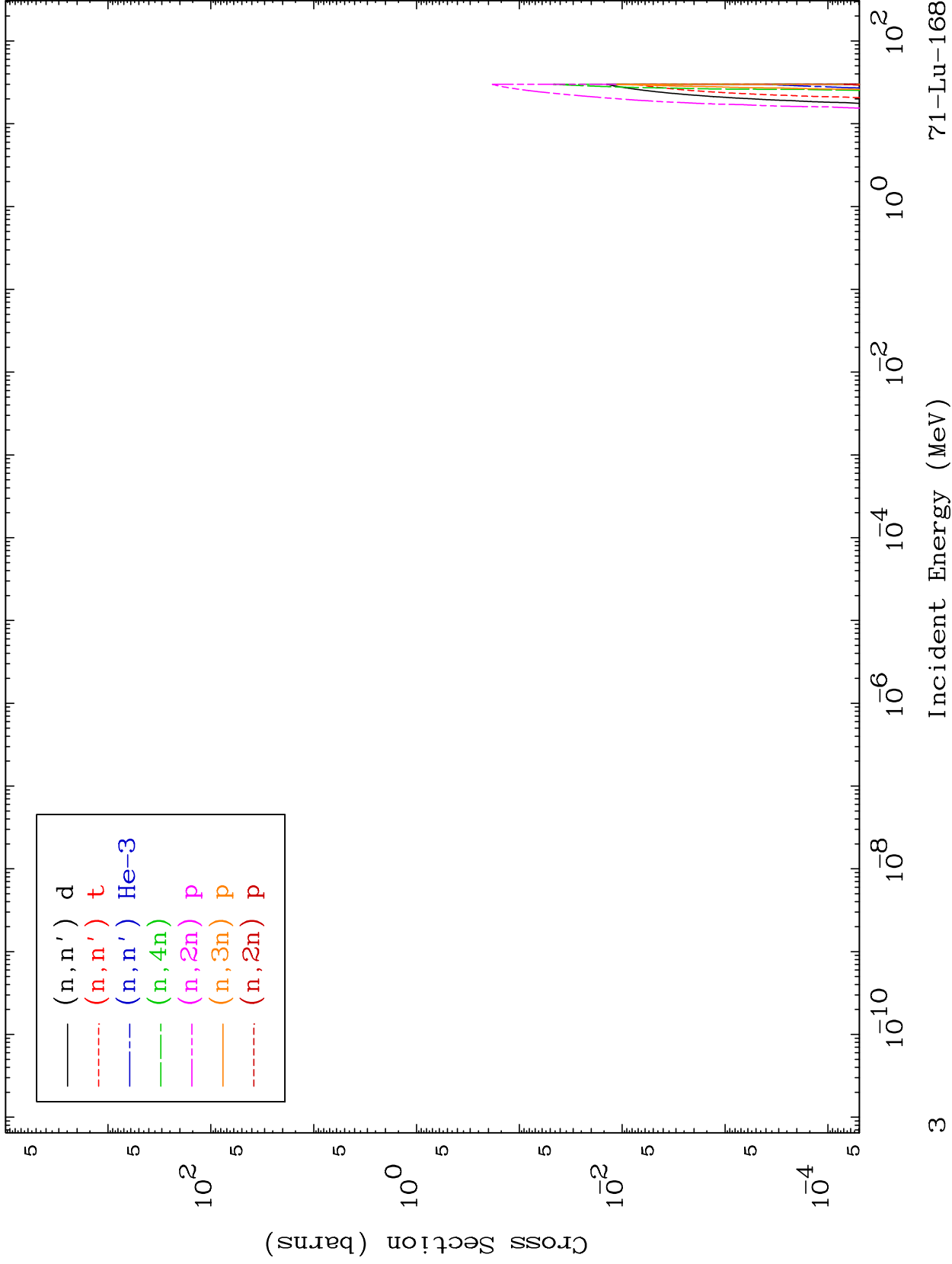


MAT 7104

Neutron Absorption  
293 Kelvin Cross Sections

71-Lu-168

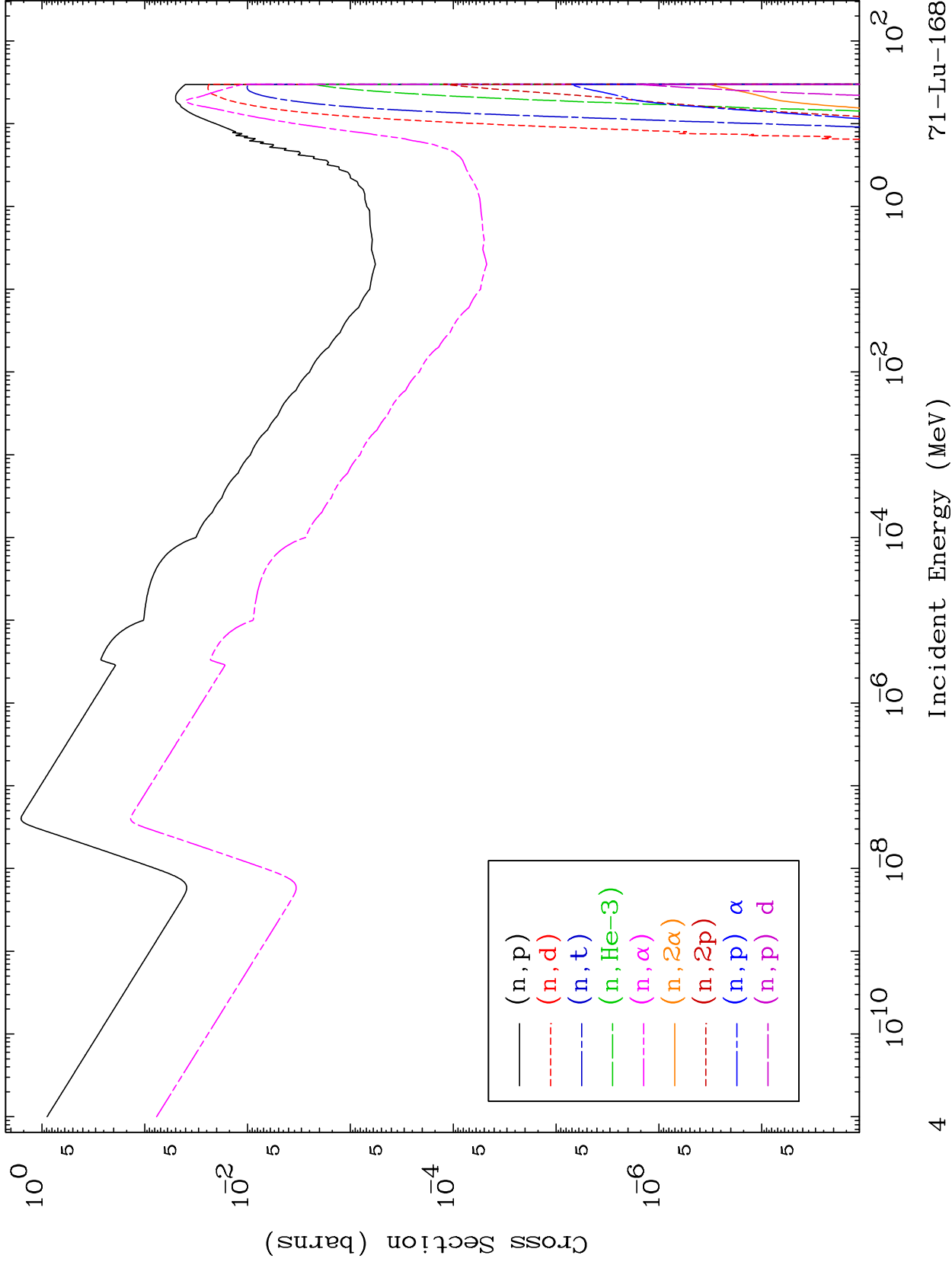


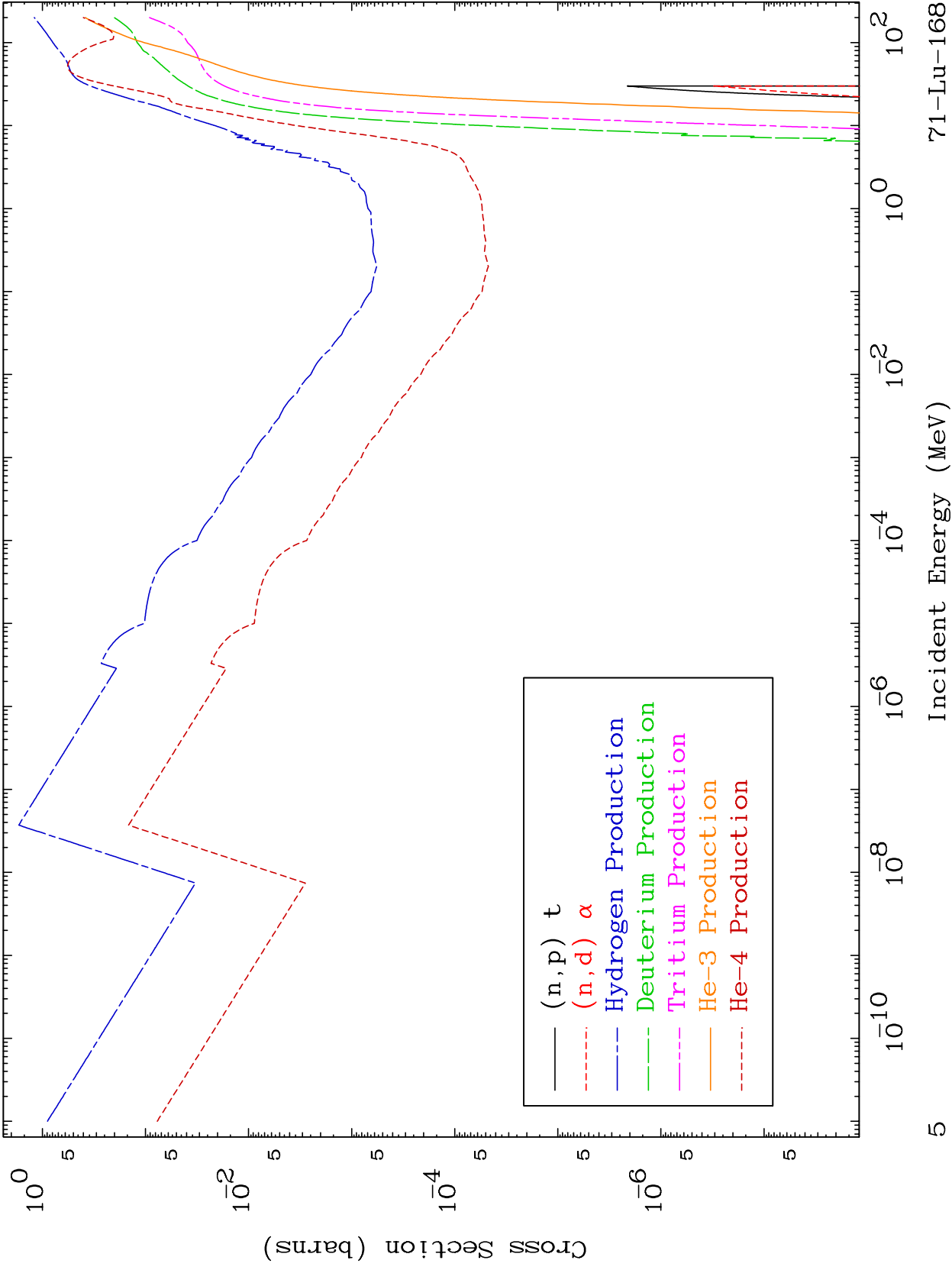


MAT 7104

Neutron Absorption  
293 Kelvin Cross Sections

71-Lu-168

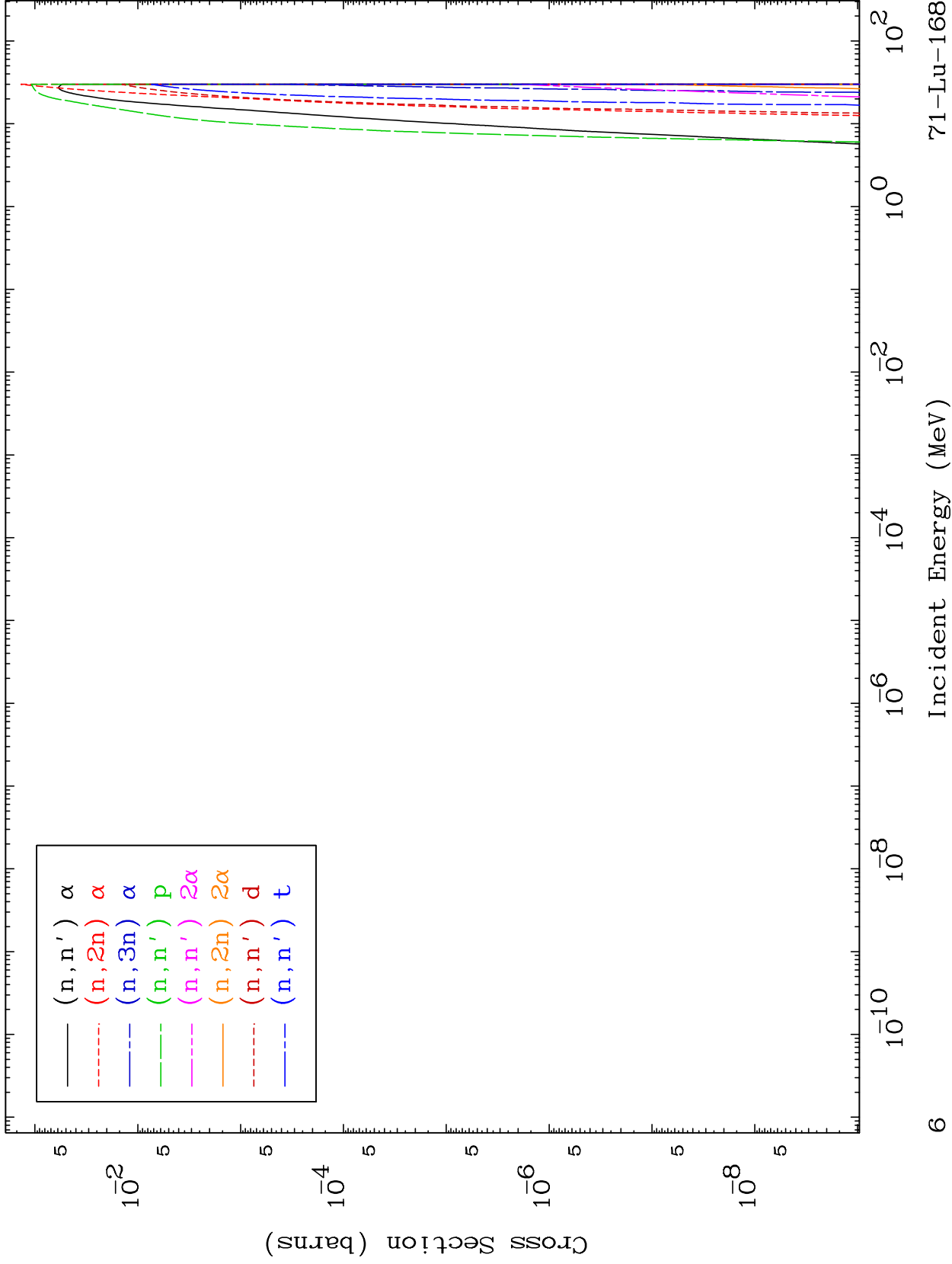




MAT 7104

Charged Particle  
293 Kelvin Cross Sections

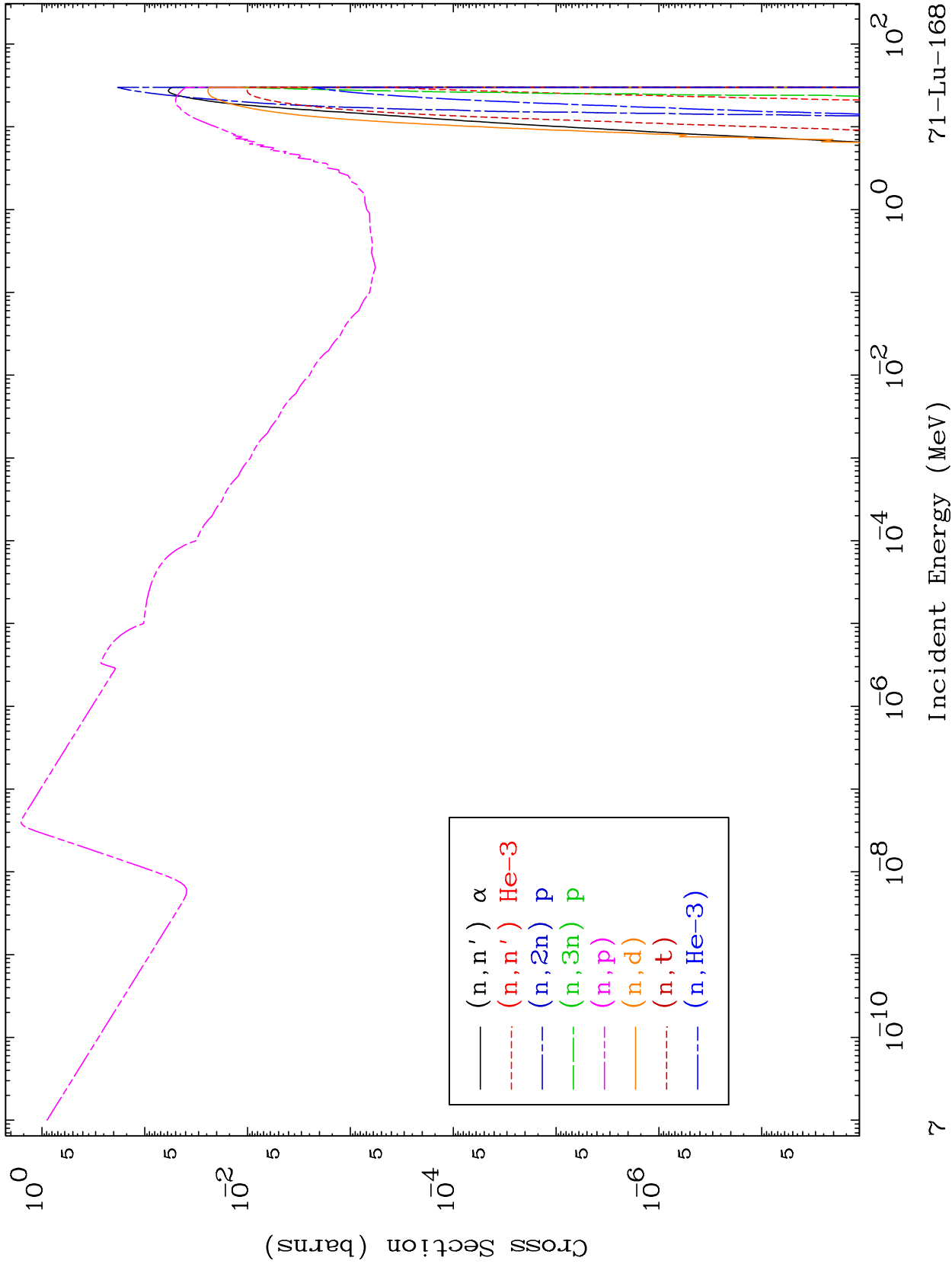
71-Lu-168



MAT 7104

Charged Particle  
293 Kelvin Cross Sections

71-Lu-168

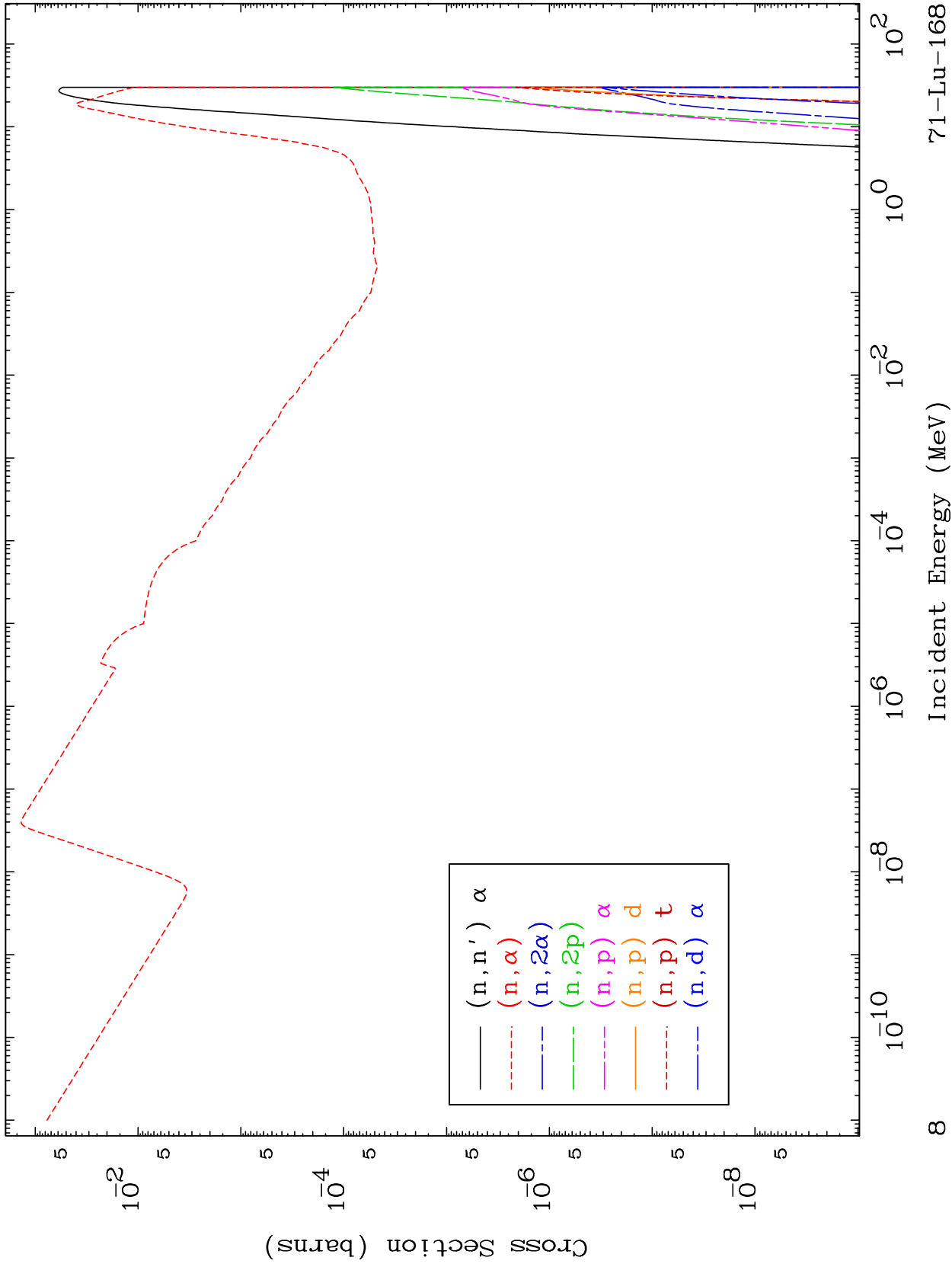




MAT 7104

Charged Particle  
293 Kelvin Cross Sections

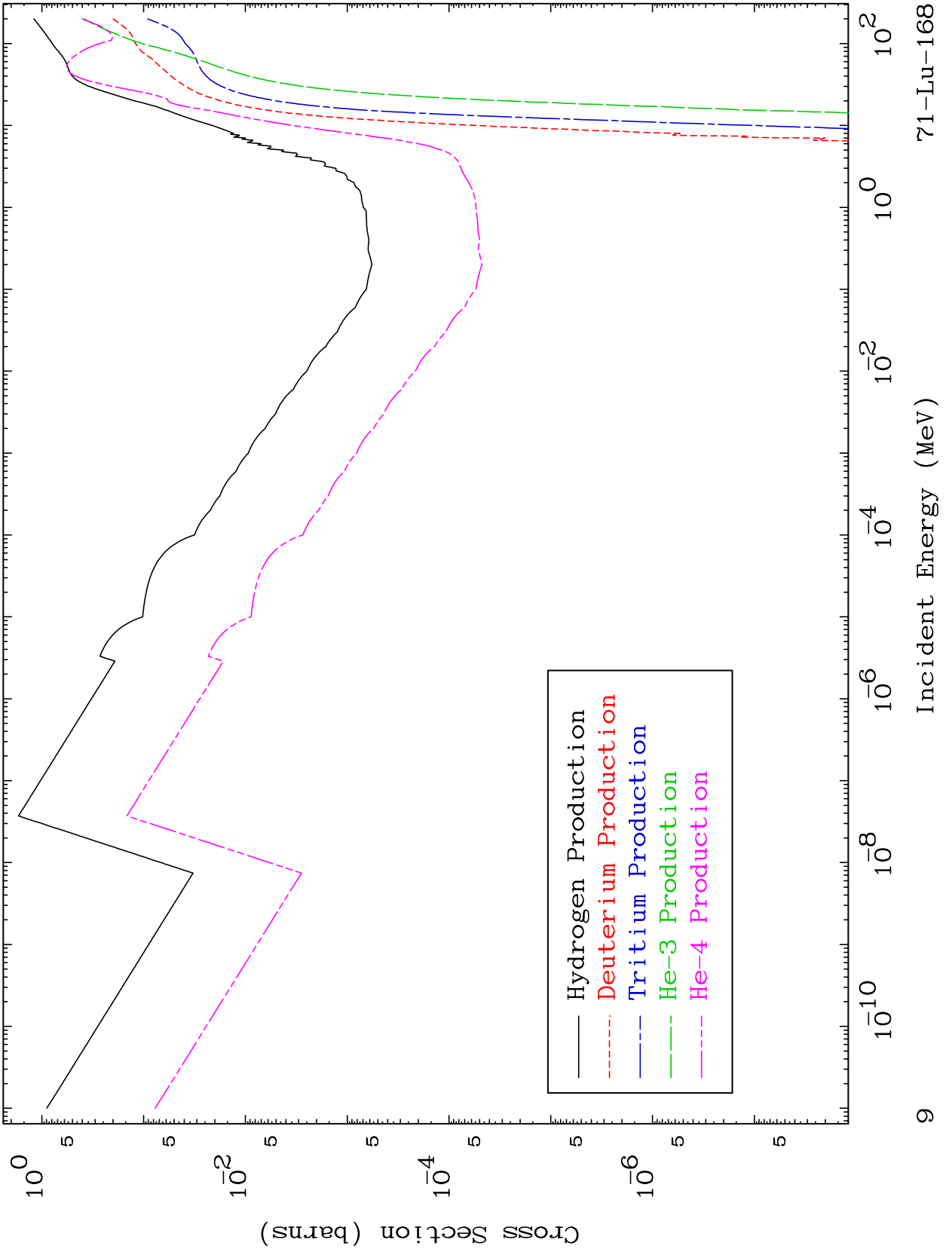
71-Lu-168



MAT 7104

Particle Production  
293 Kelvin Cross Sections

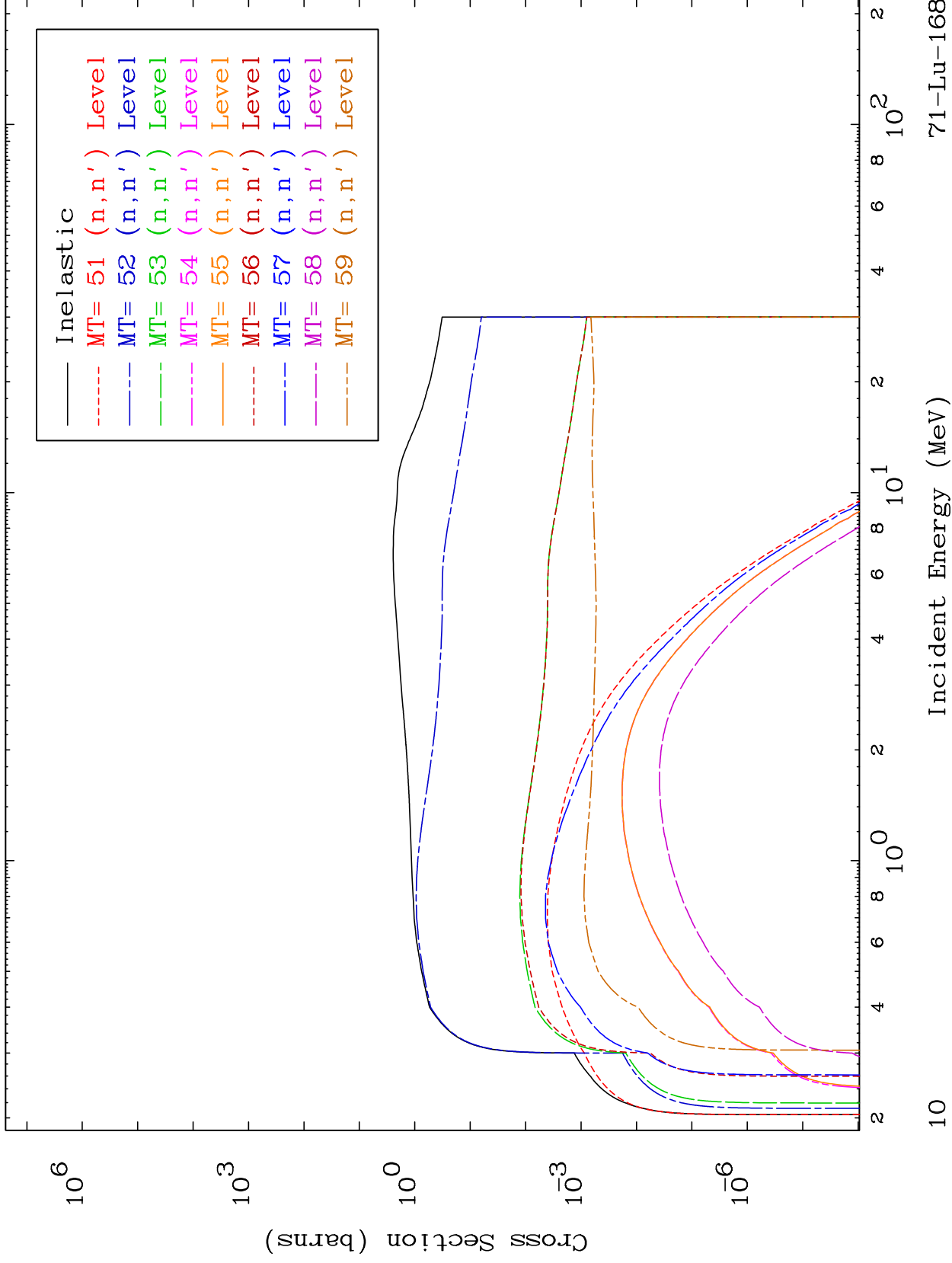
71-Lu-168



MAT 7104

(n,n') Levels  
293 Kelvin Cross Sections

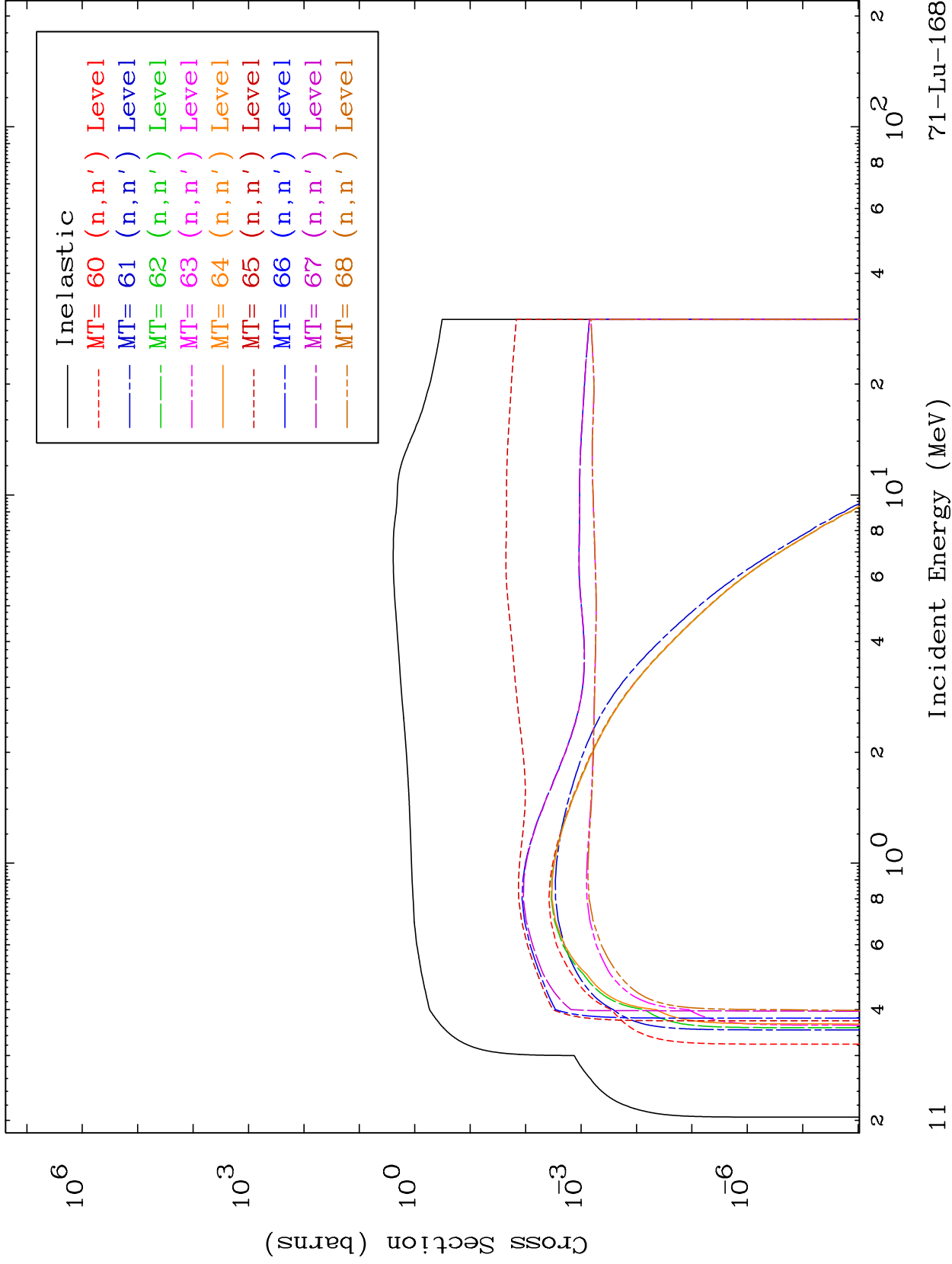
71-Lu-168



71-Lu-168

Incident Energy (MeV)

10

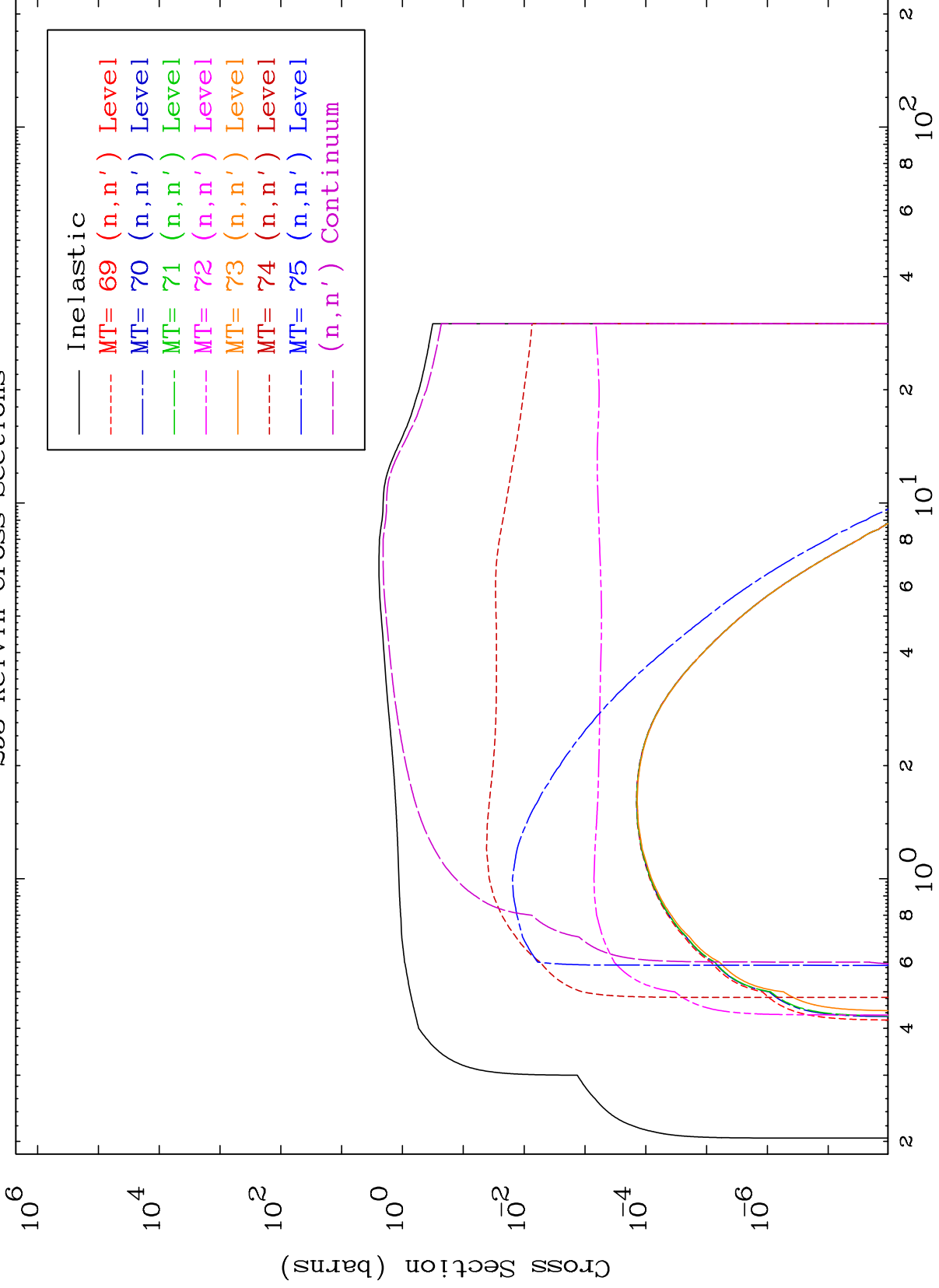


MAT 7104

(n,n') Levels

71-Lu-168

293 Kelvin Cross Sections



12

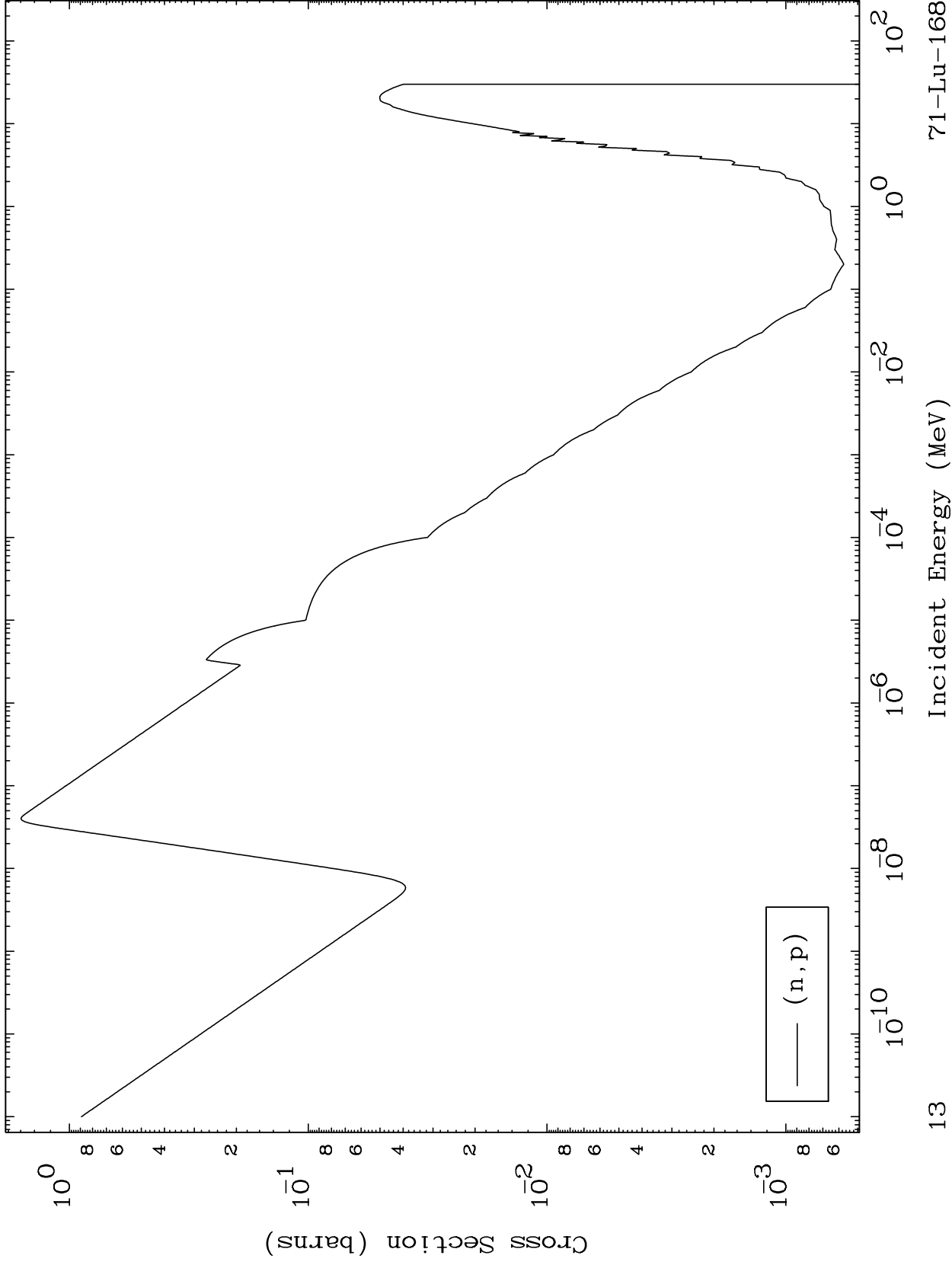
Incident Energy (MeV)

71-Lu-168

MAT 7104

(n,p) Levels  
293 Kelvin Cross Sections

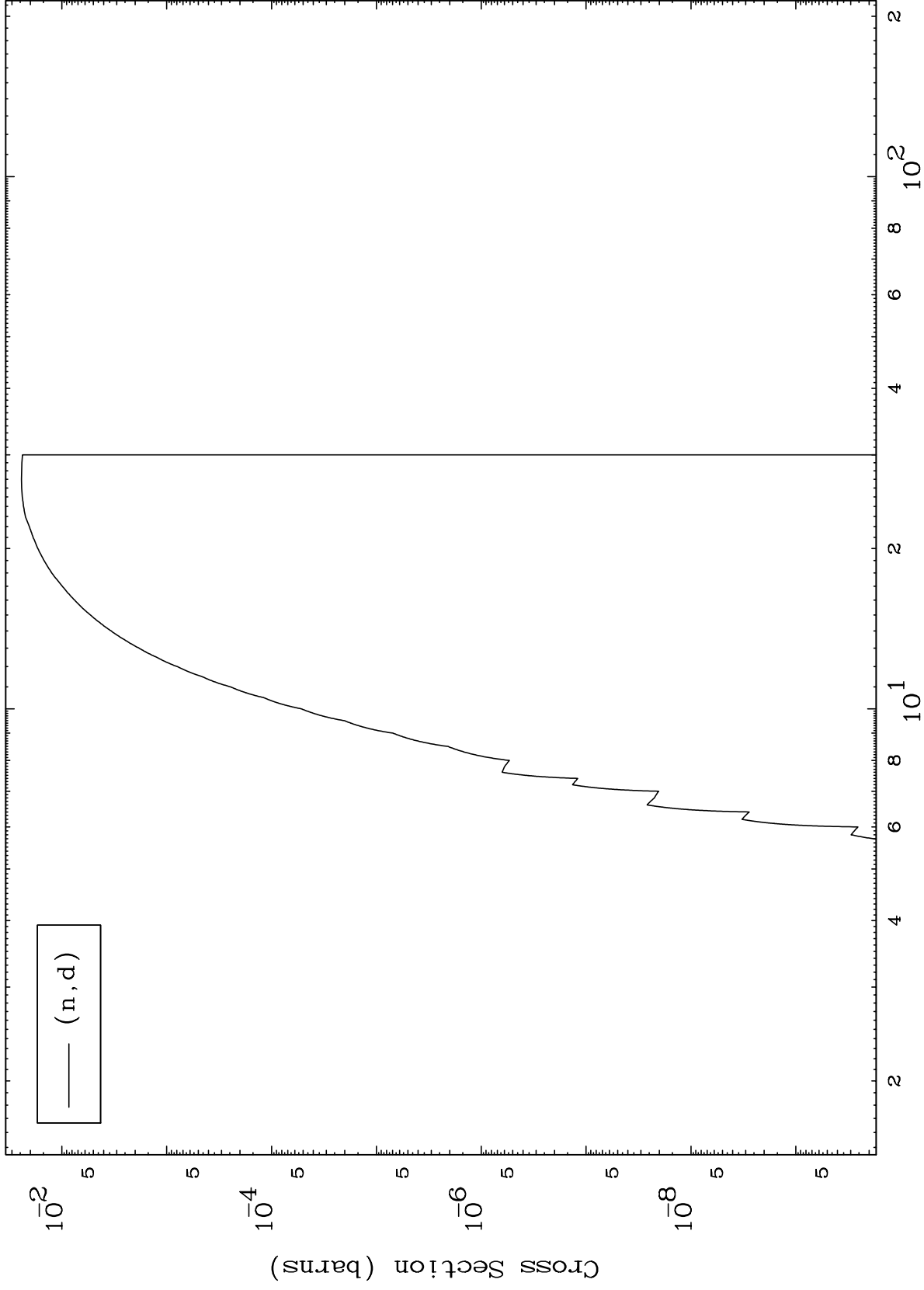
71-Lu-168



MAT 7104

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-168



14

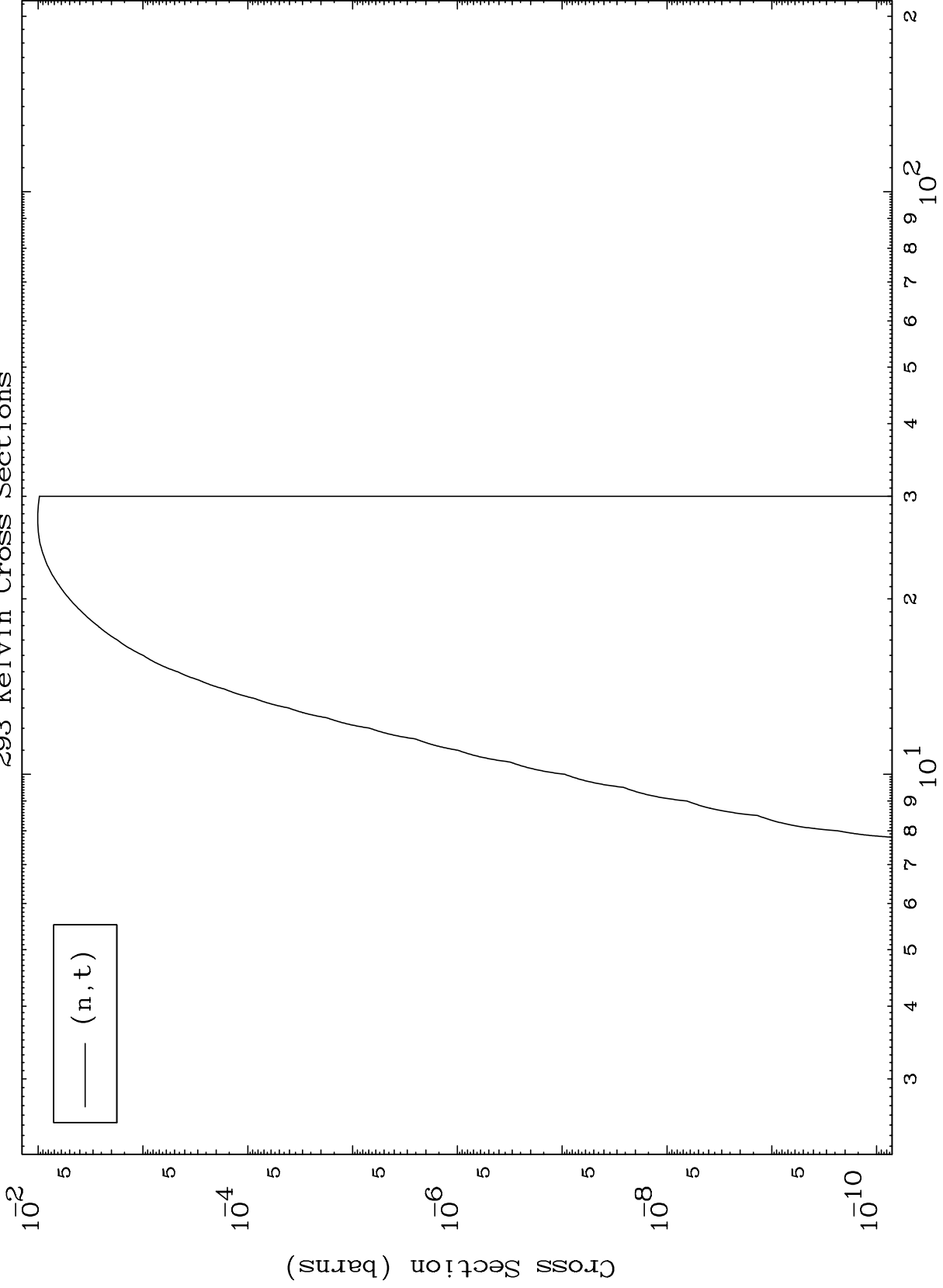
Incident Energy (MeV)

71-Lu-168

MAT 7104

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-168



15

Incident Energy (MeV)

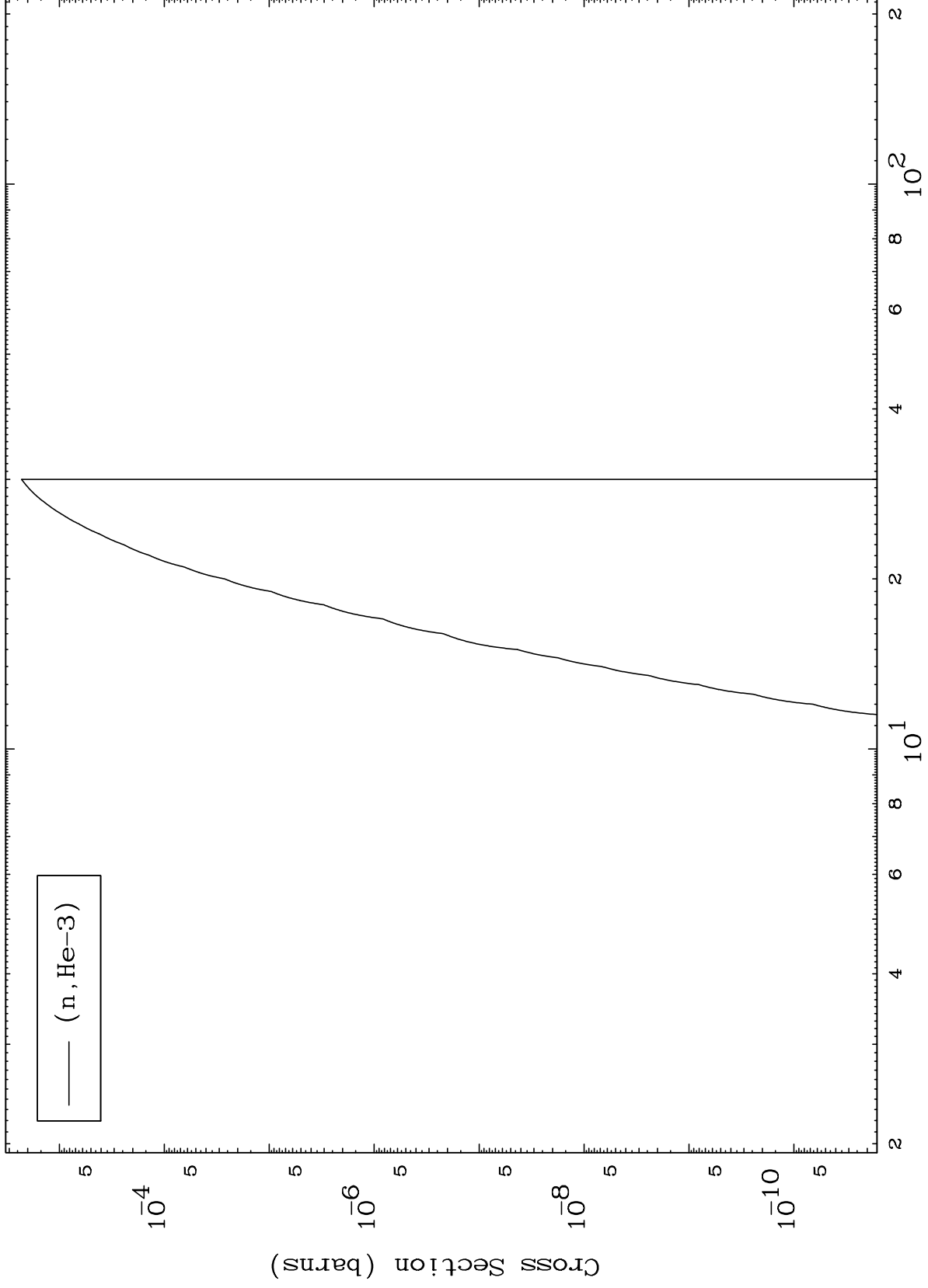
71-Lu-168



MAT 7104

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-168



16

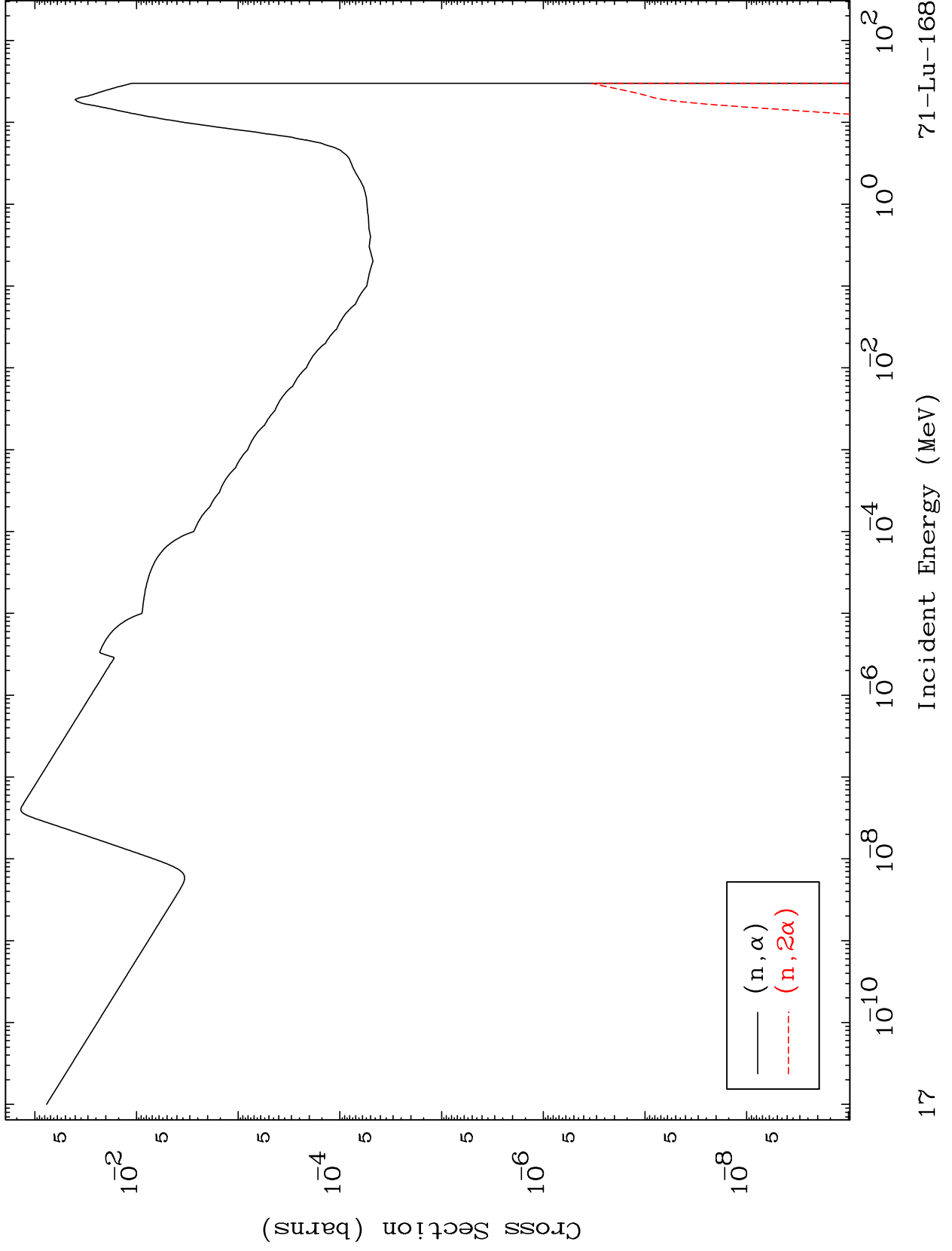
Incident Energy (MeV)

71-Lu-168

MAT 7104

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

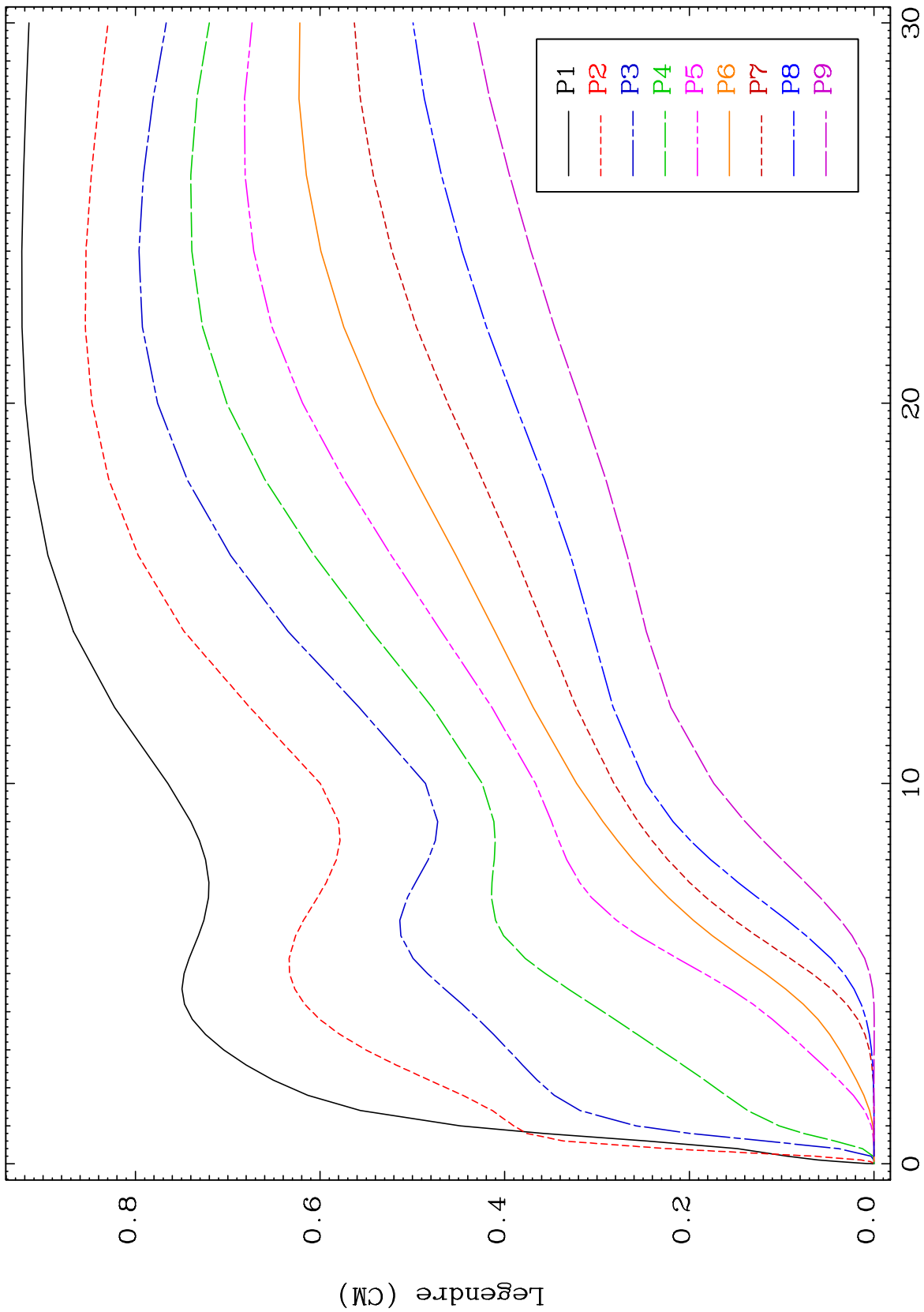
71-Lu-168



MAT 7104

71-Lu-168

Elastic Legendre Coefficients



71-Lu-168

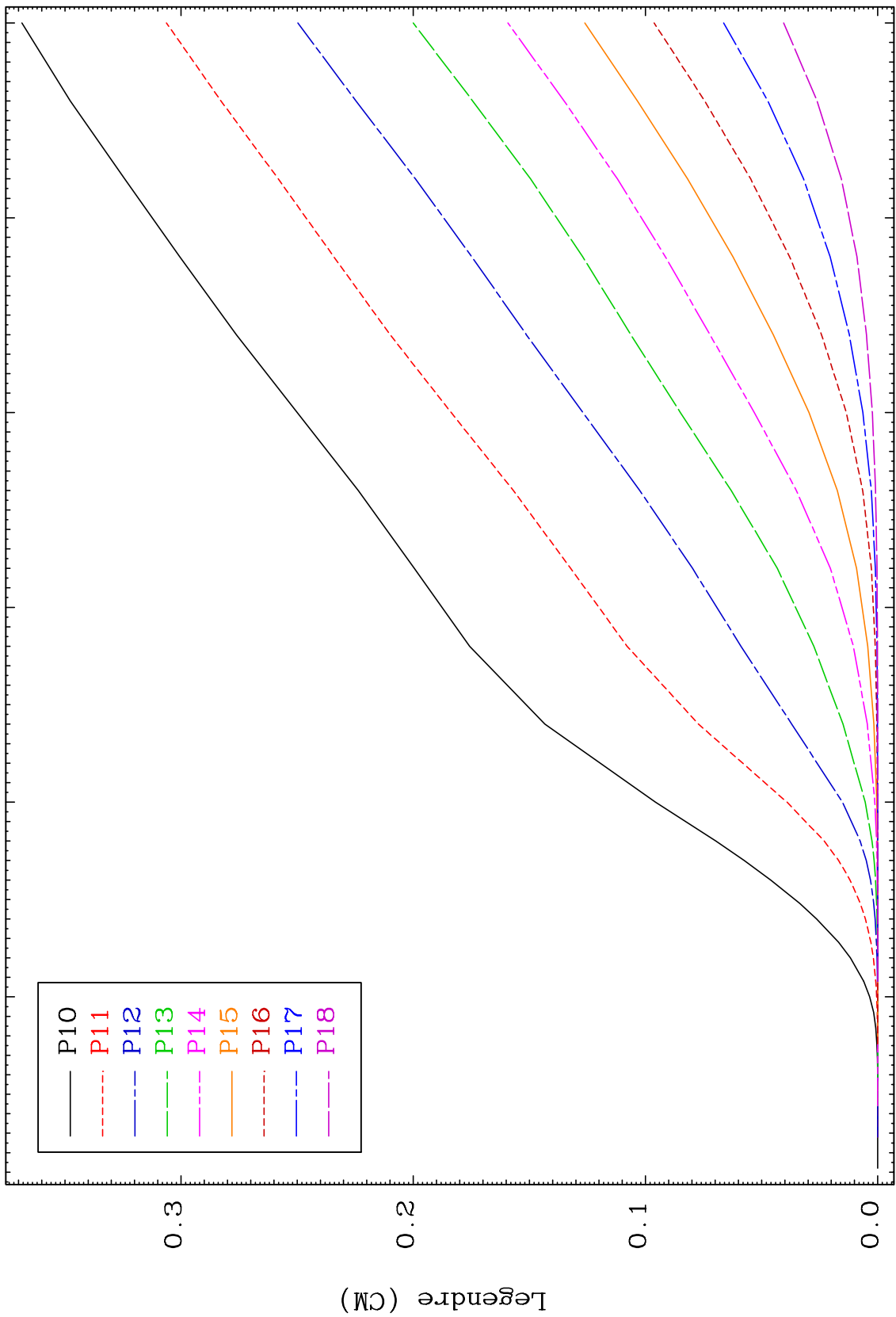
Incident Energy (MeV)

18

MAT 7104

Elastic Legendre Coefficients

<sup>71</sup>Lu-168



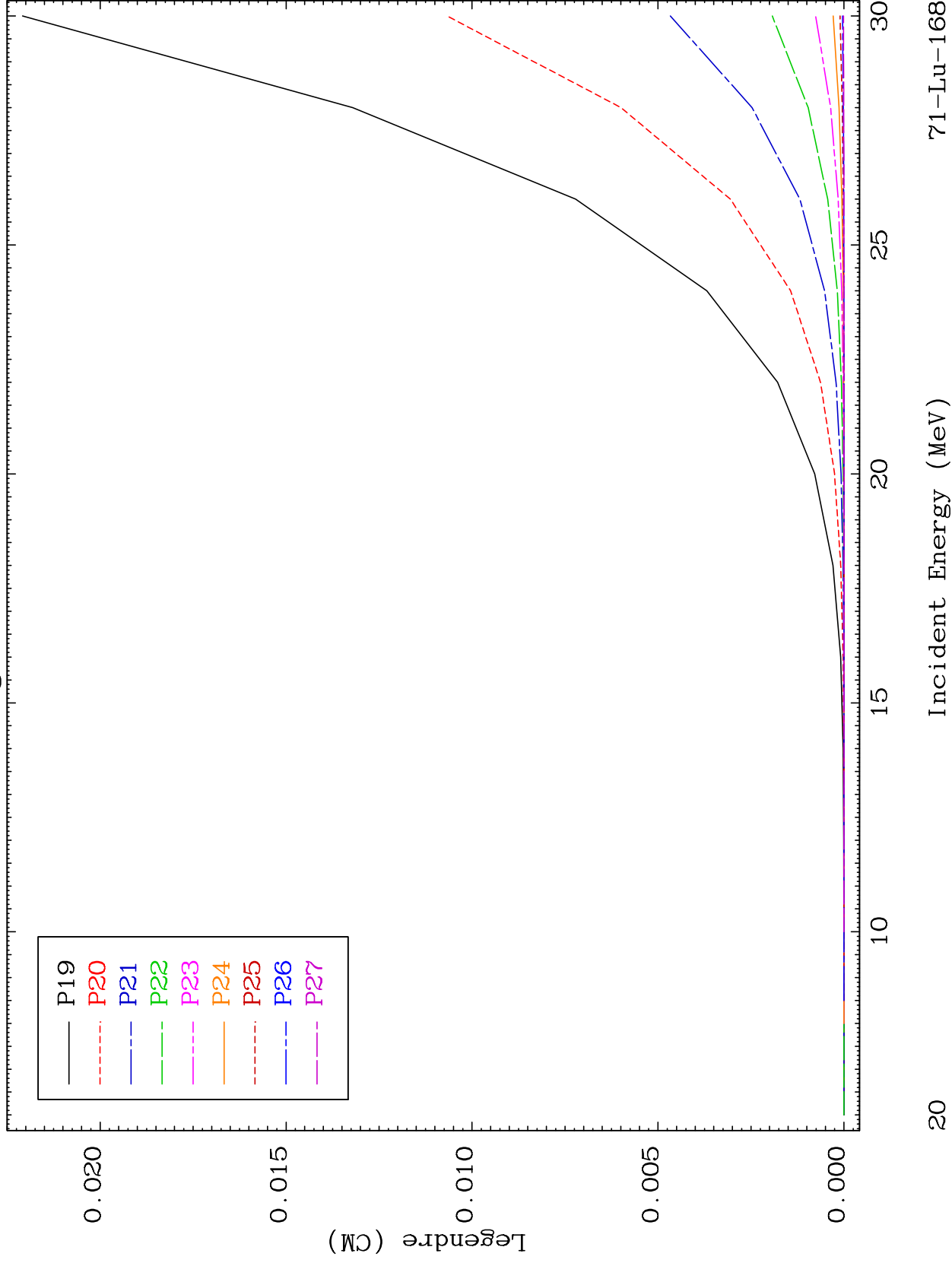
19

<sup>71</sup>Lu-168

MAT 7104

### Elastic Legendre Coefficients

<sup>71</sup>Lu-168



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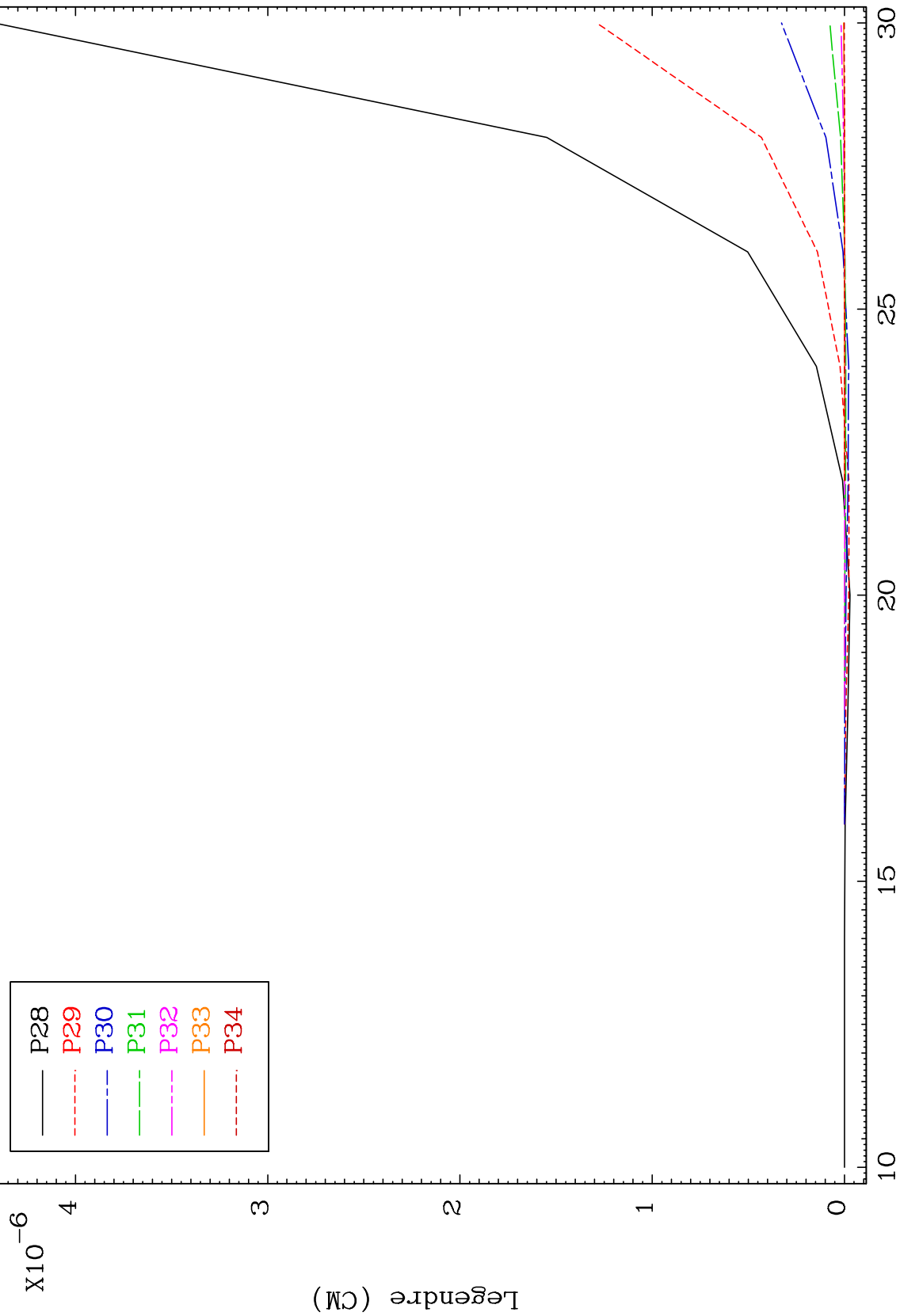
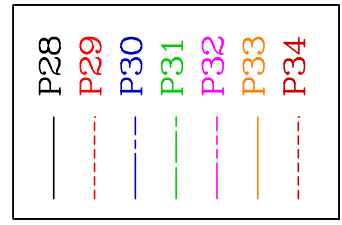
Incident Energy (MeV)

<sup>71</sup>Lu-168

MAT 7104

Elastic Legendre Coefficients

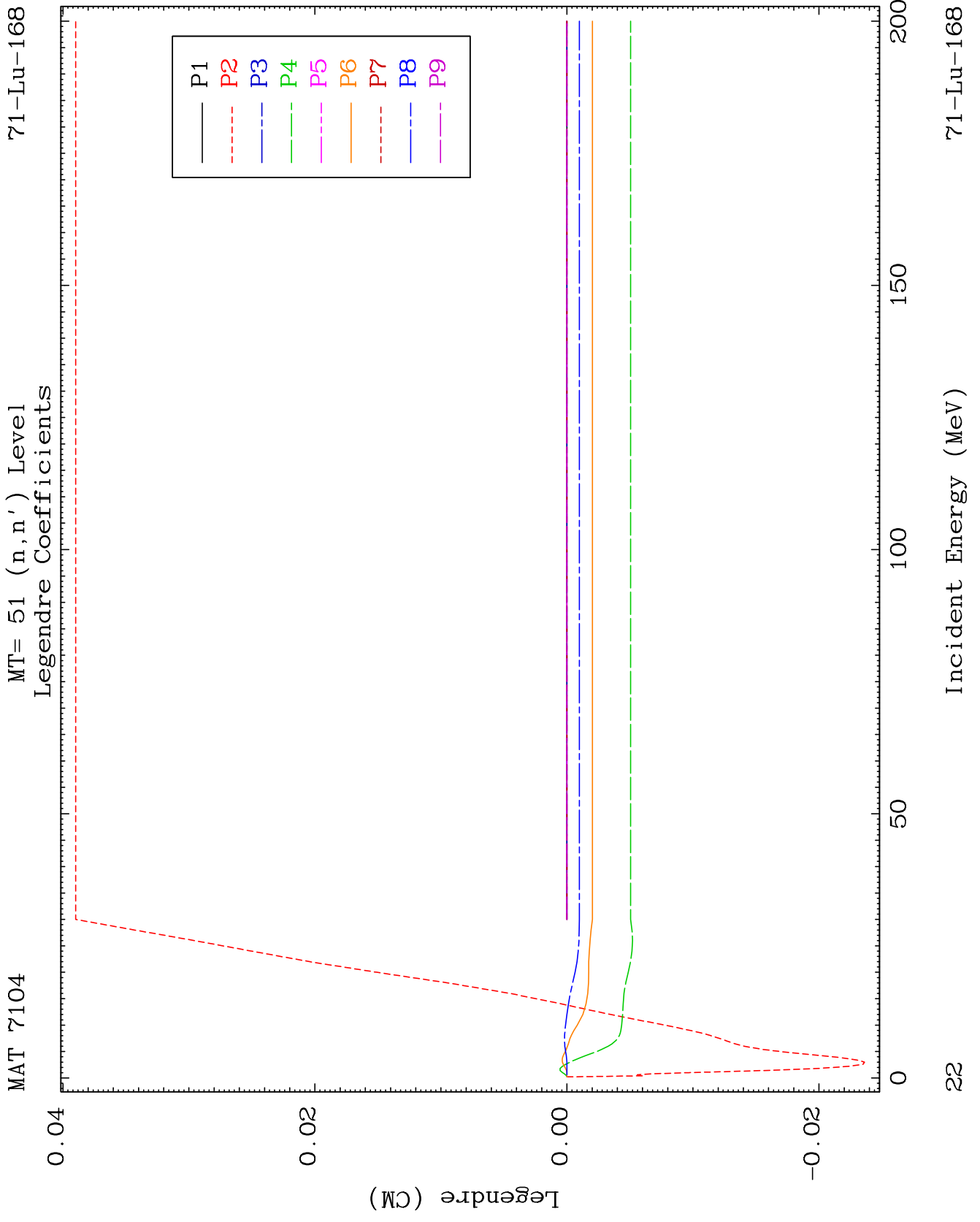
71-Lu-168



21

Incident Energy (MeV)

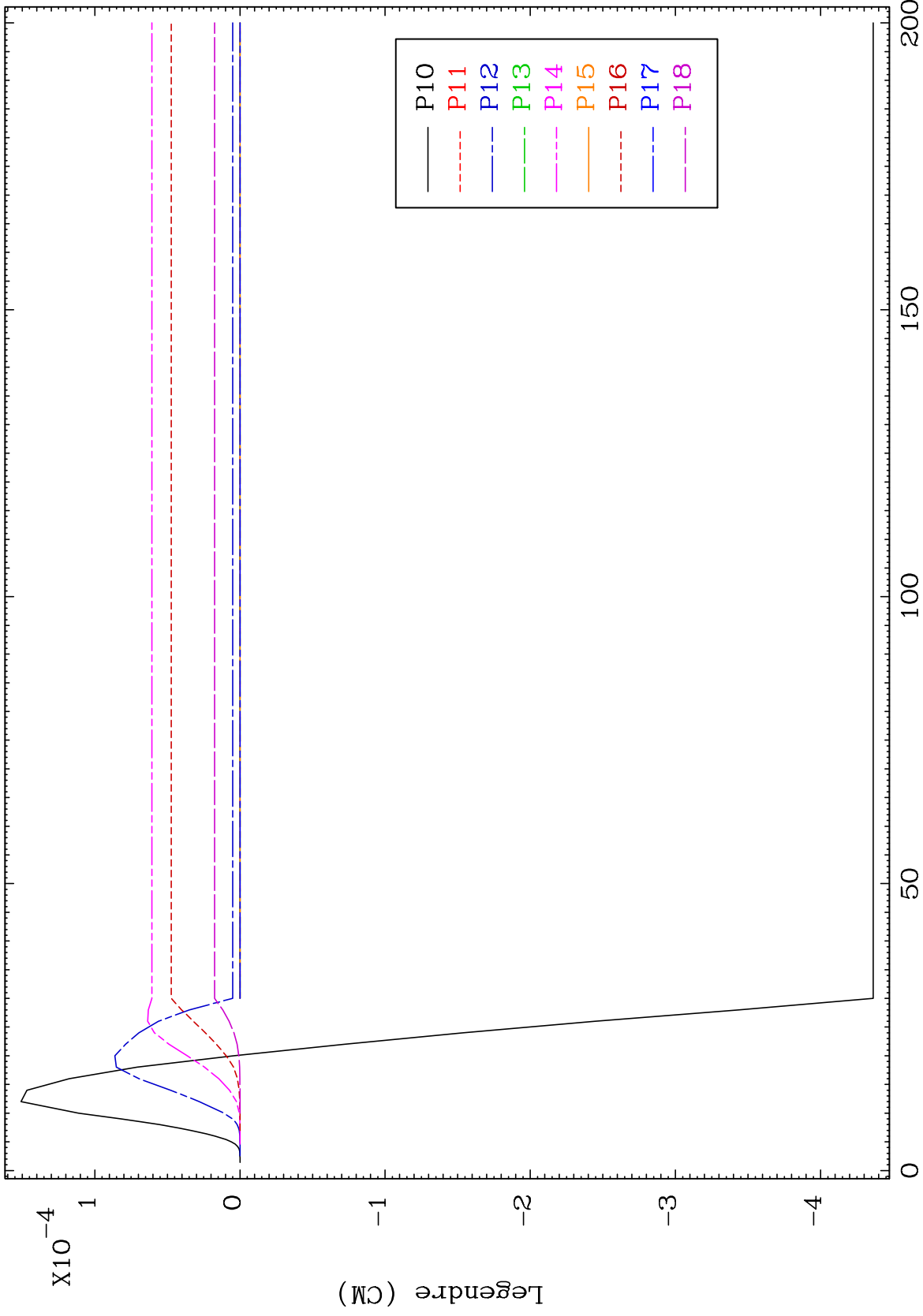
71-Lu-168



MAT 7104

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

71-Lu-168

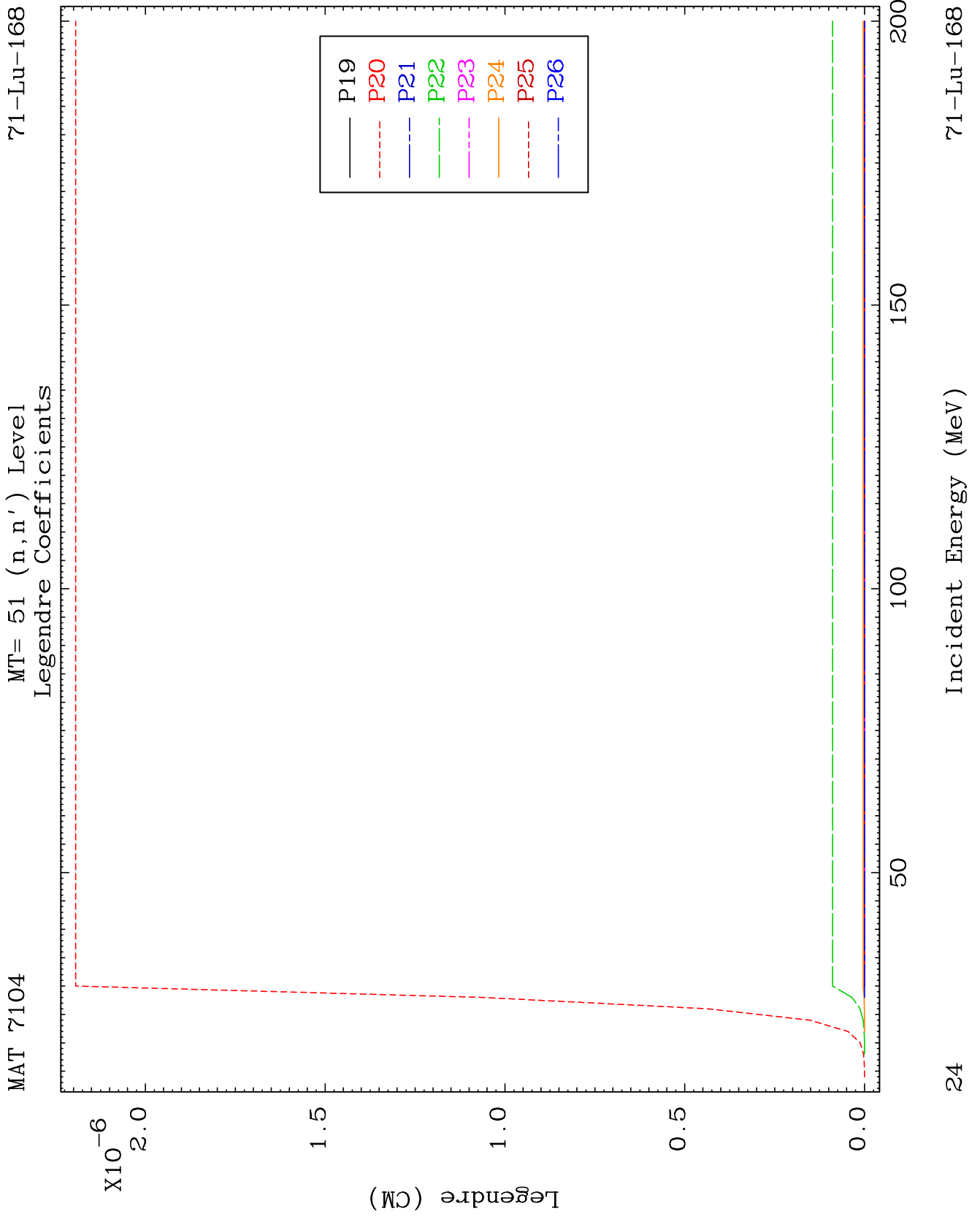


23

Incident Energy (MeV)

71-Lu-168



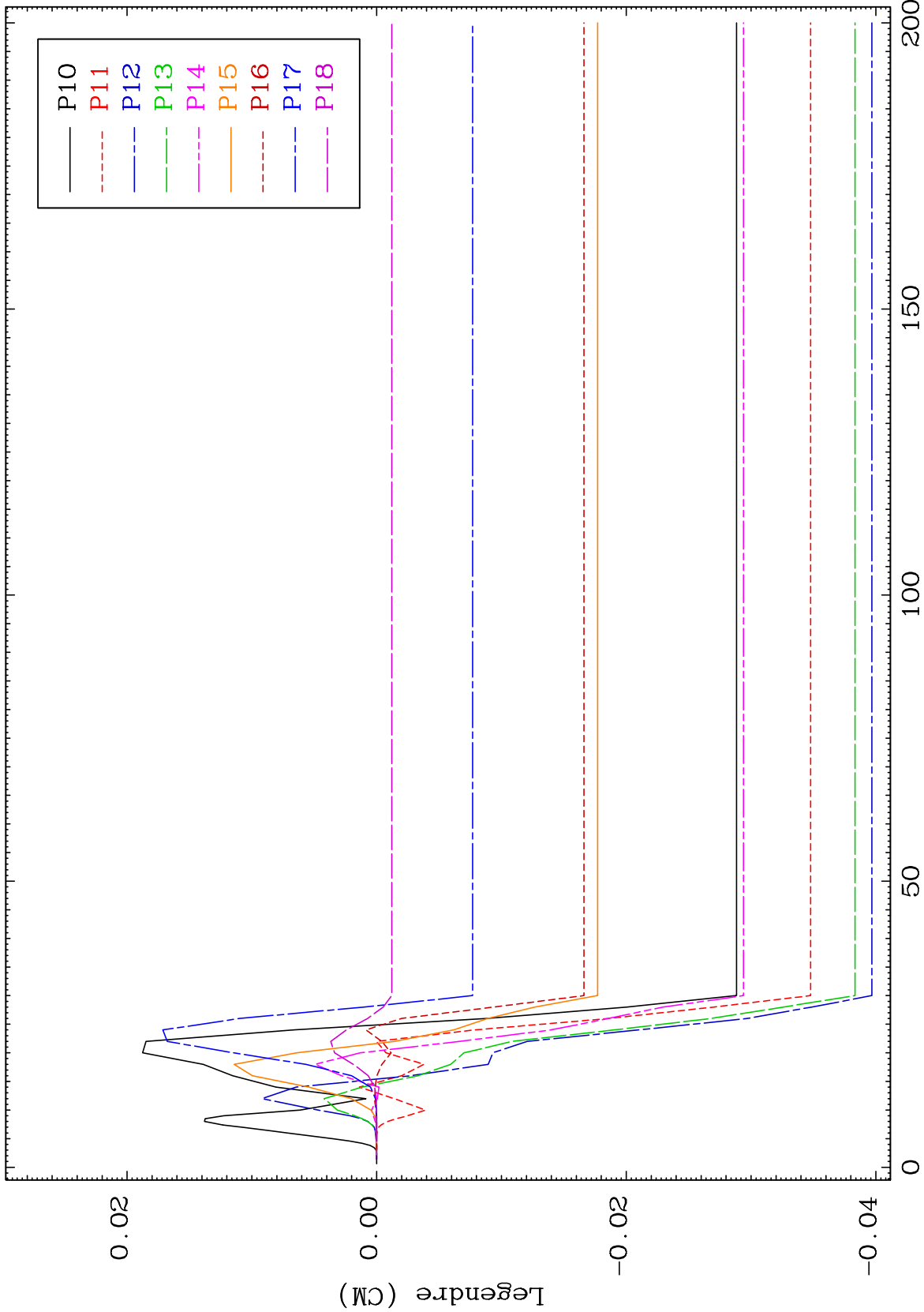




MAT 7104

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

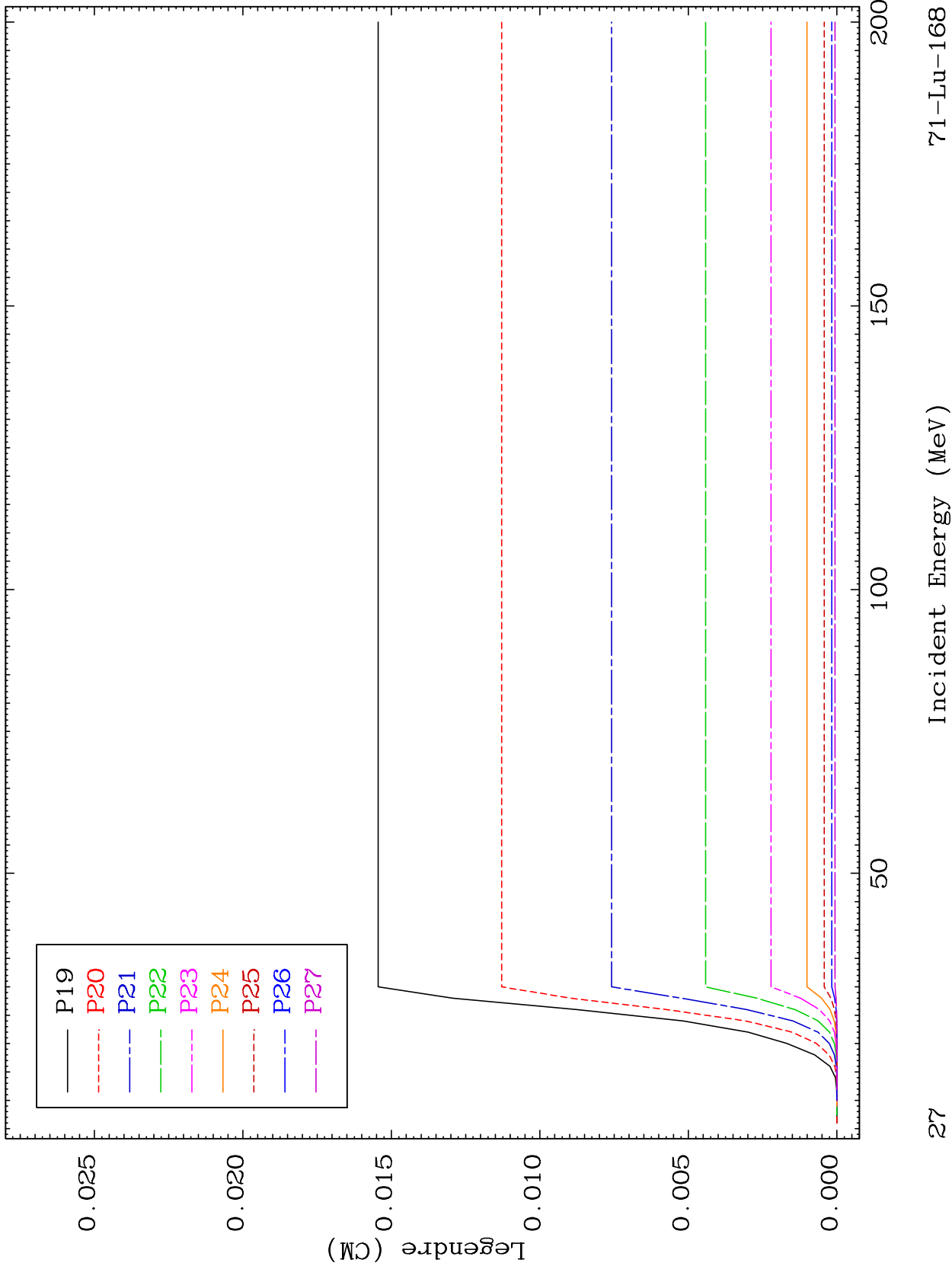
71-Lu-168



26

Incident Energy (MeV)

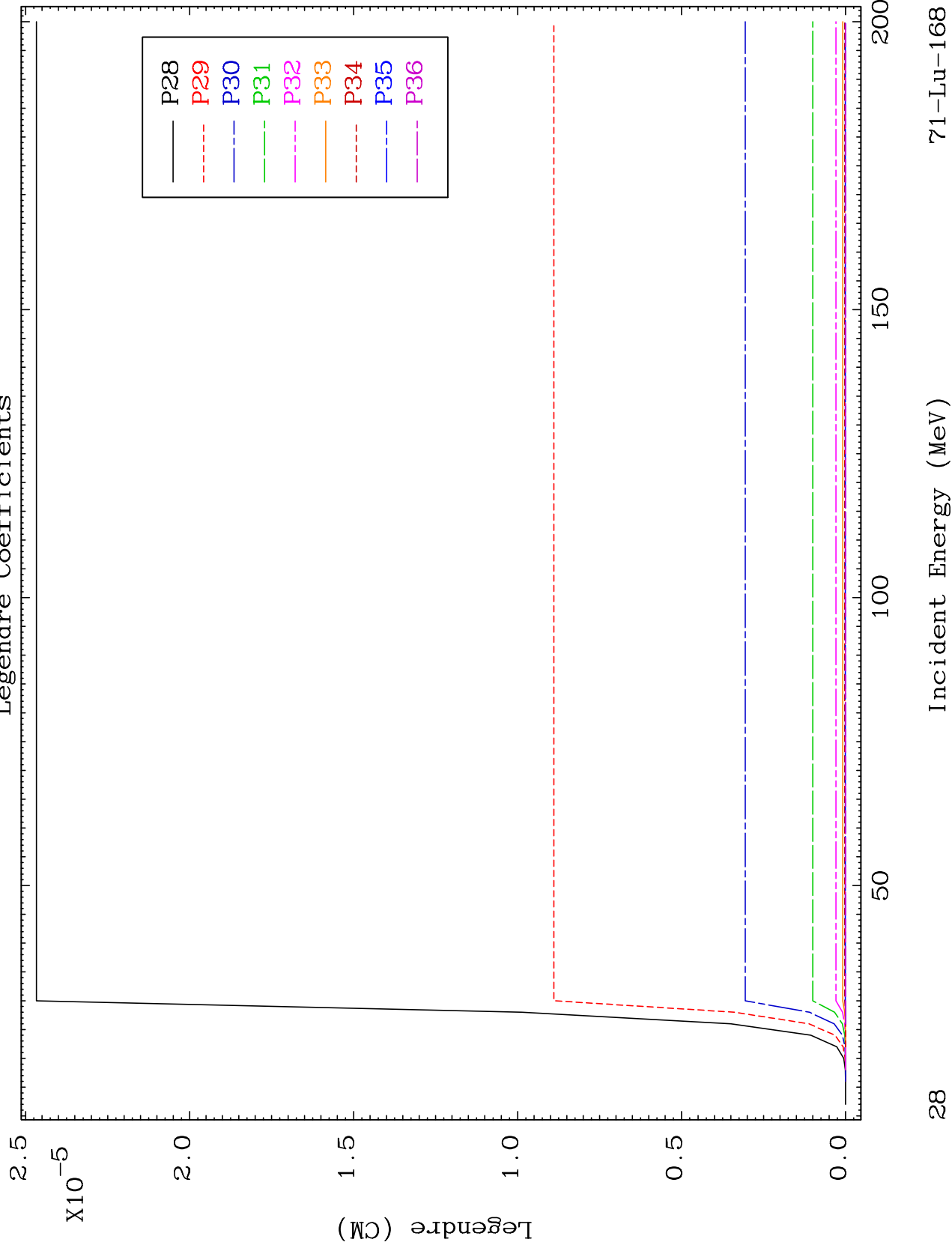
71-Lu-168



MAT 7104

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

71-Lu-168



28

Incident Energy (MeV)

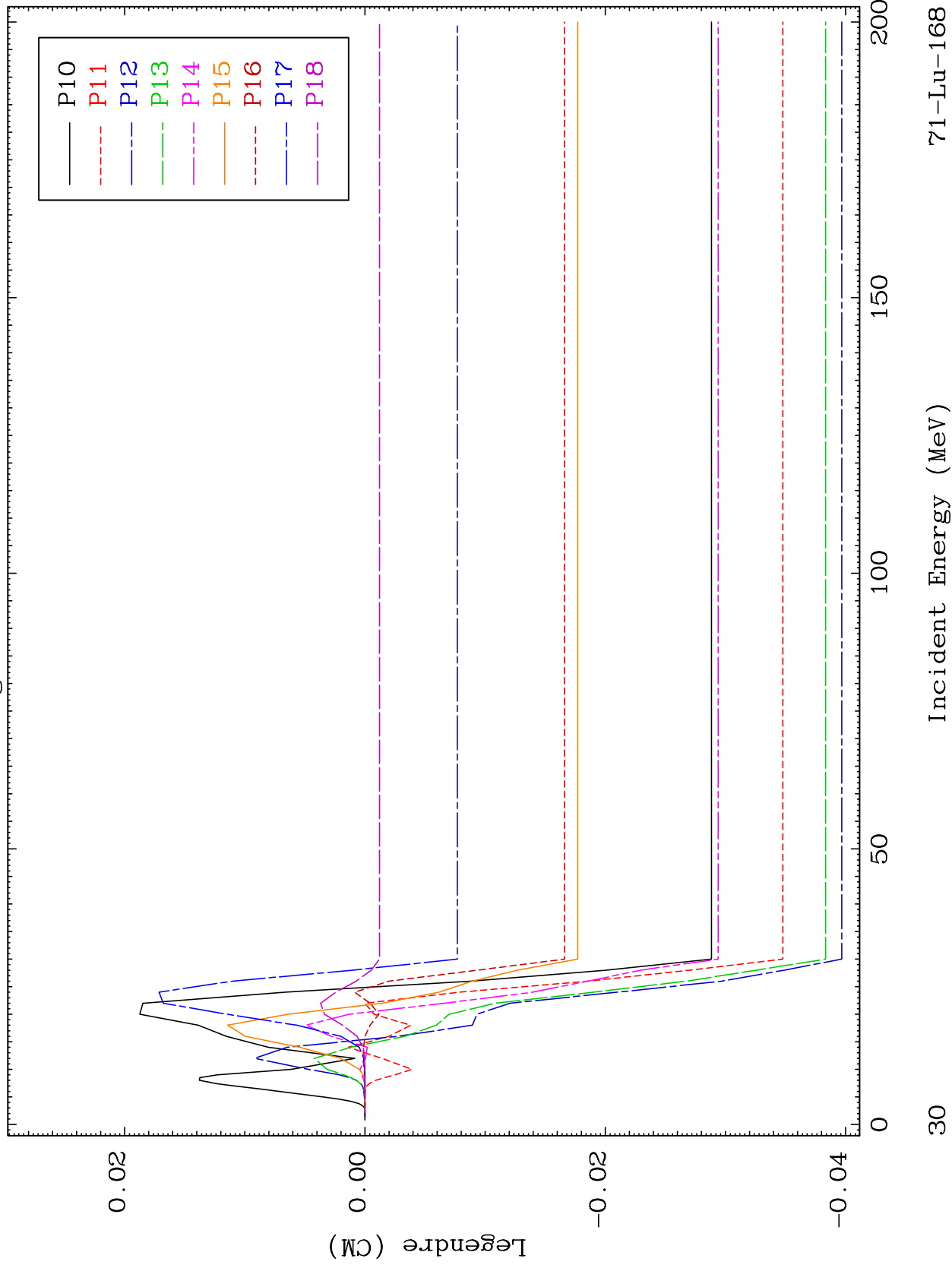
71-Lu-168



MAT 7104

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

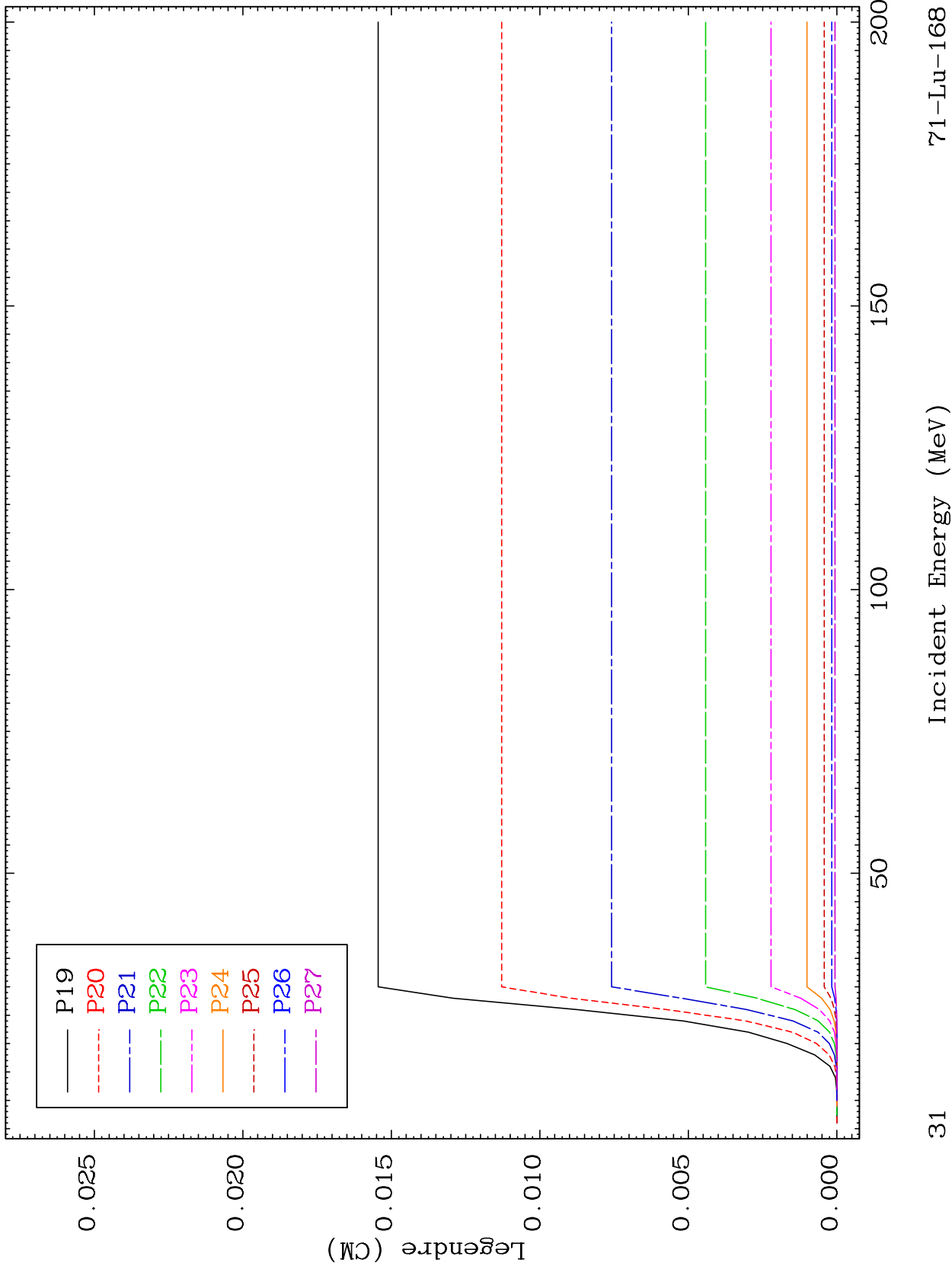
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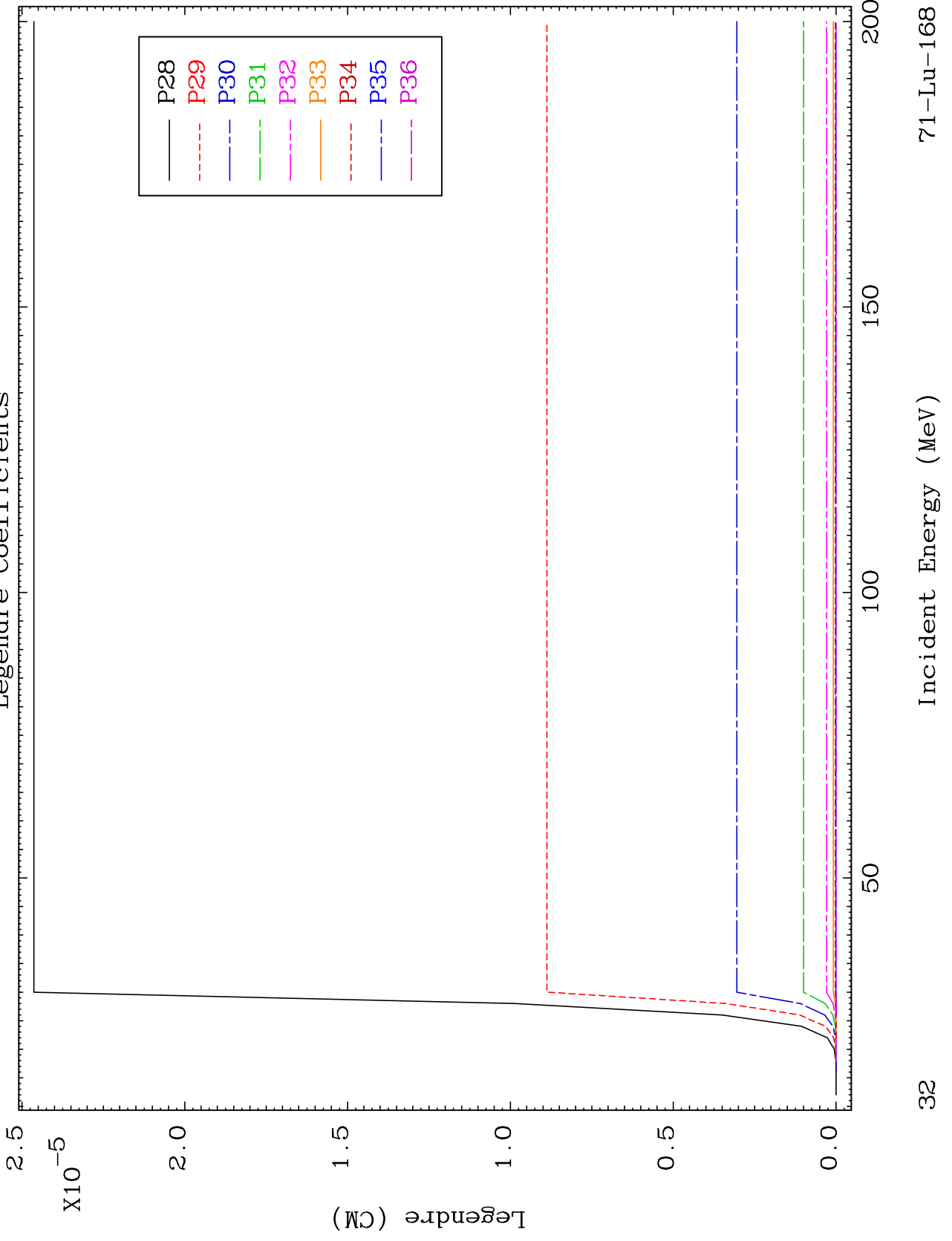
71-Lu-168

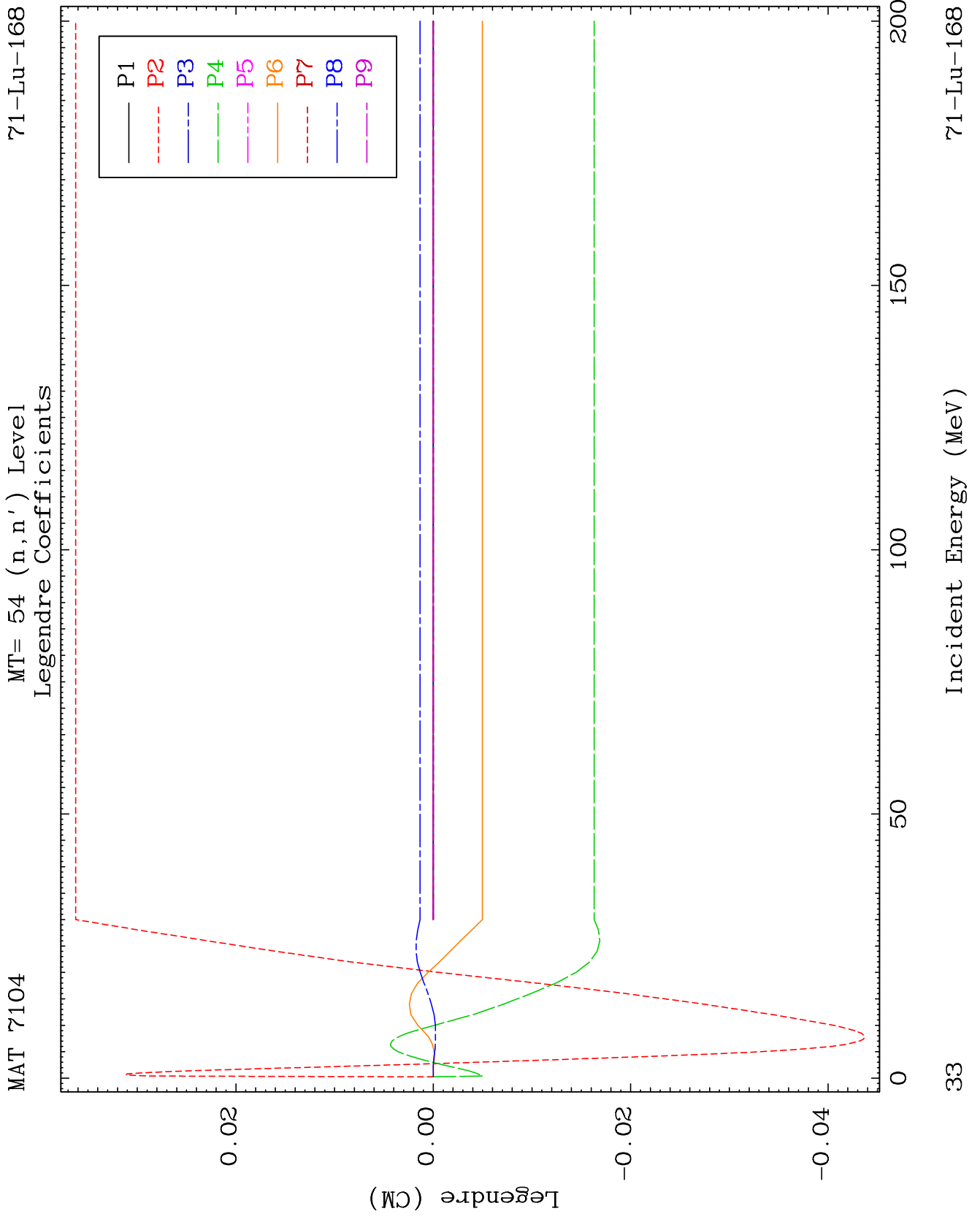
Incident Energy (MeV)

30





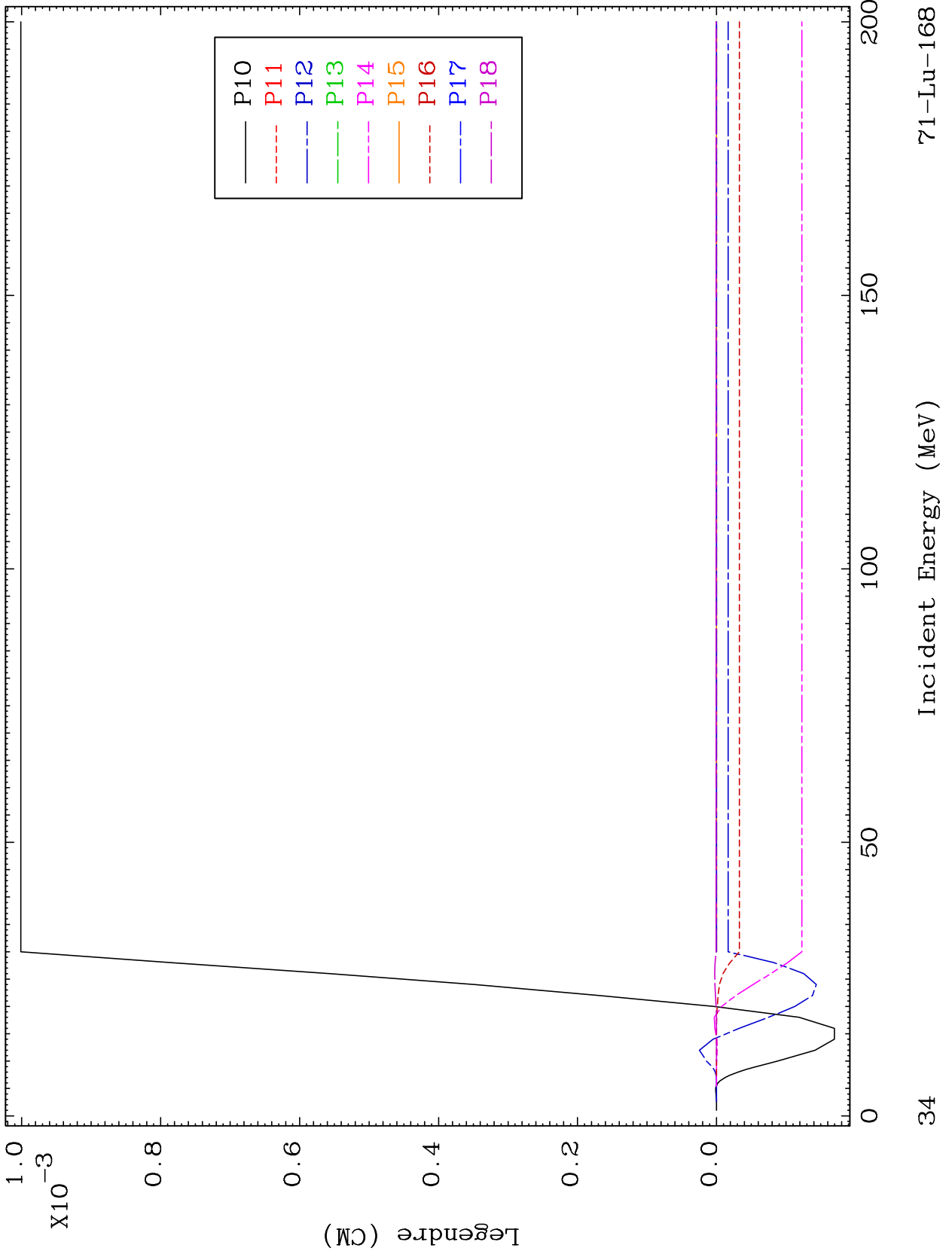




MAT 7104

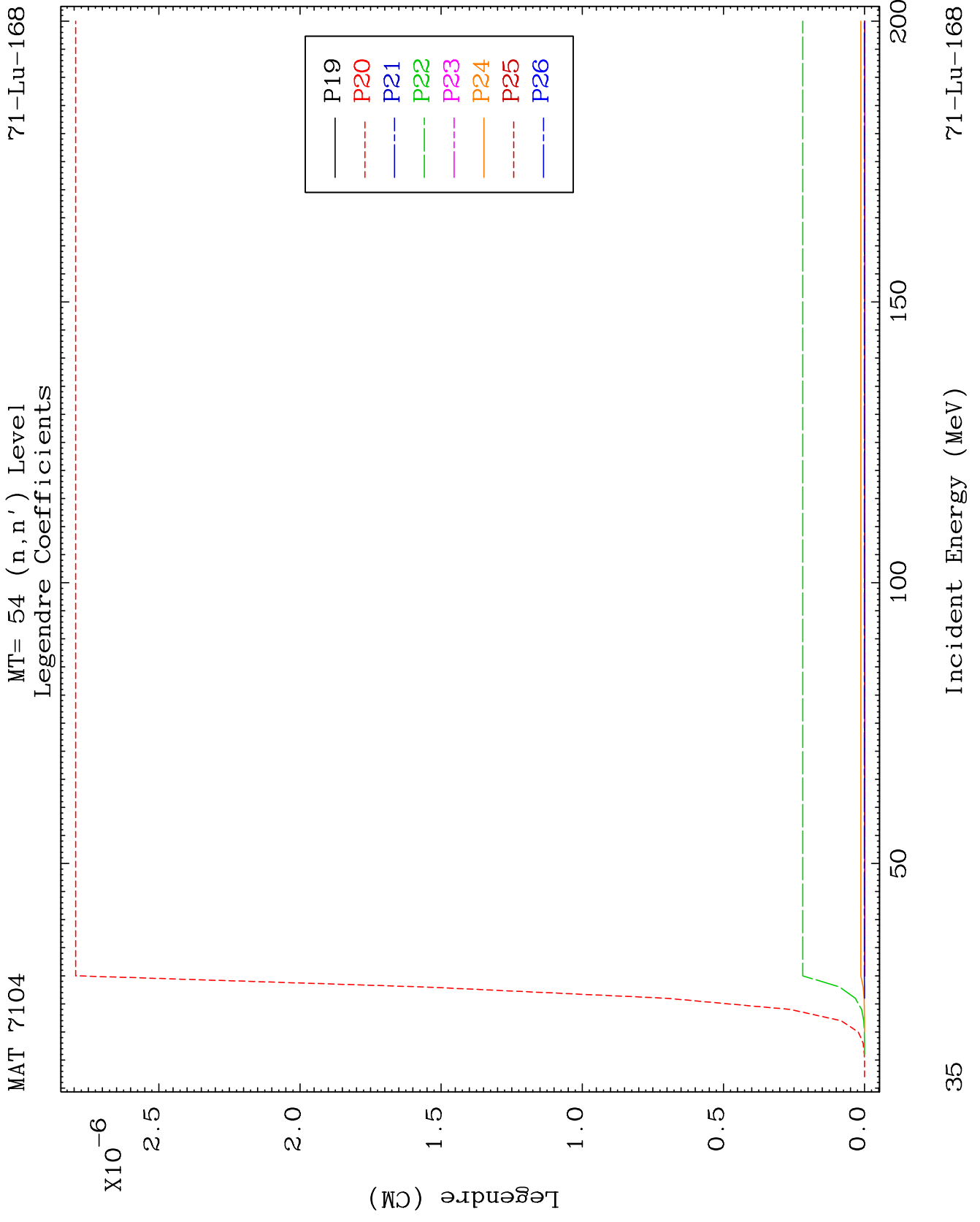
MT= 54 (n,n') Level  
Legendre Coefficients

71-Lu-168



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71-Lu-168

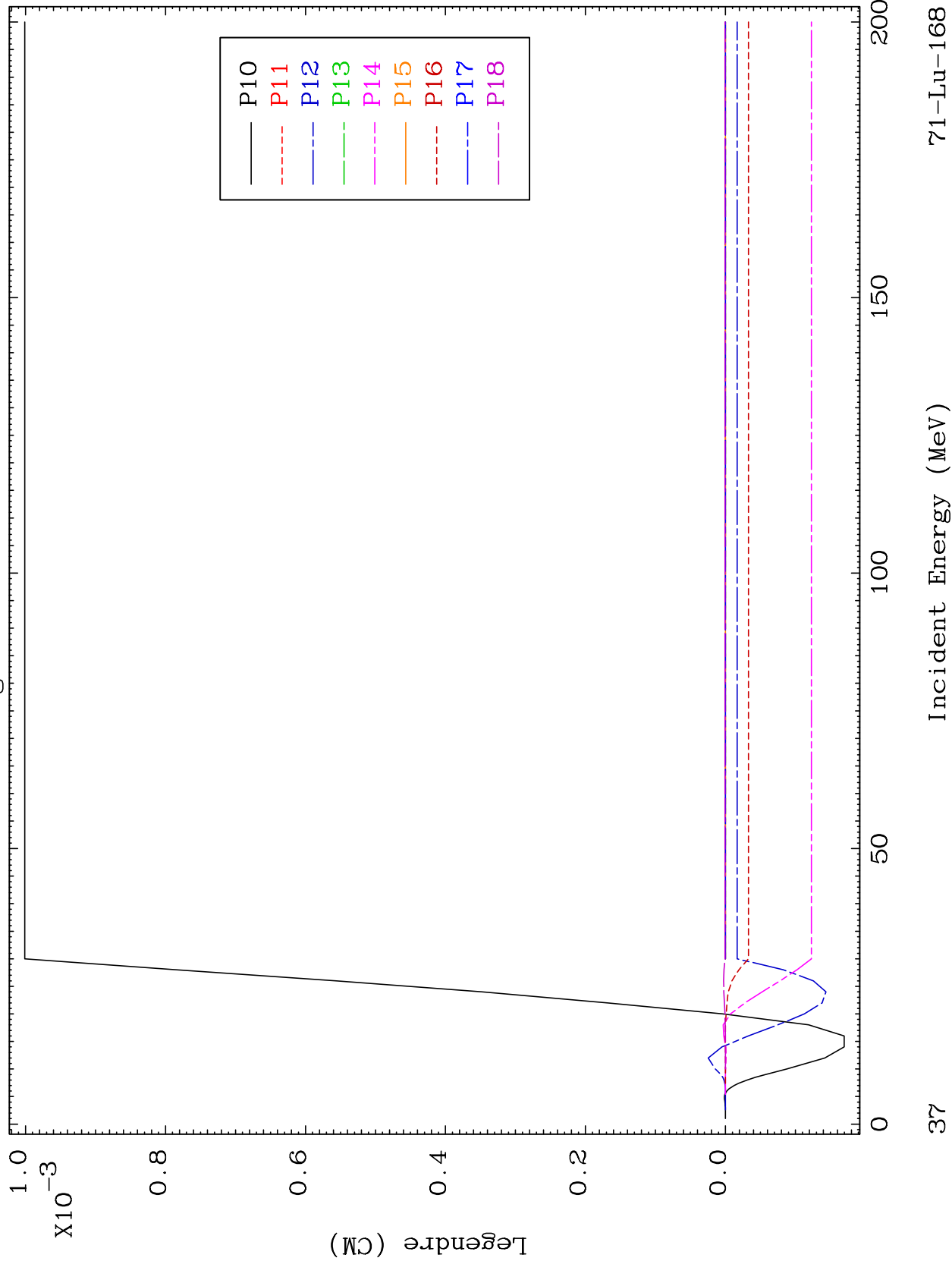




MAT 7104

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

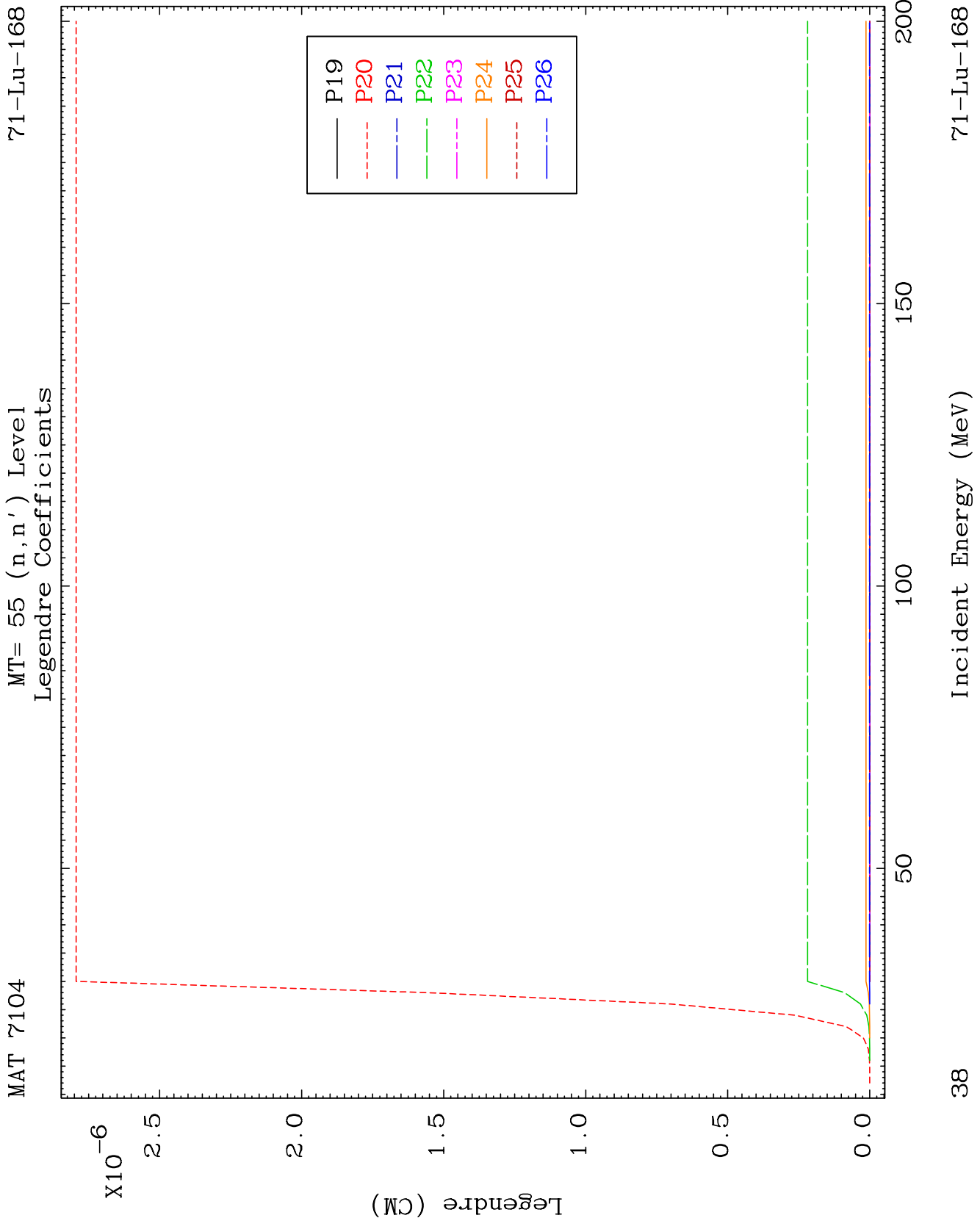
71-Lu-168



71-Lu-168

Incident Energy (MeV)

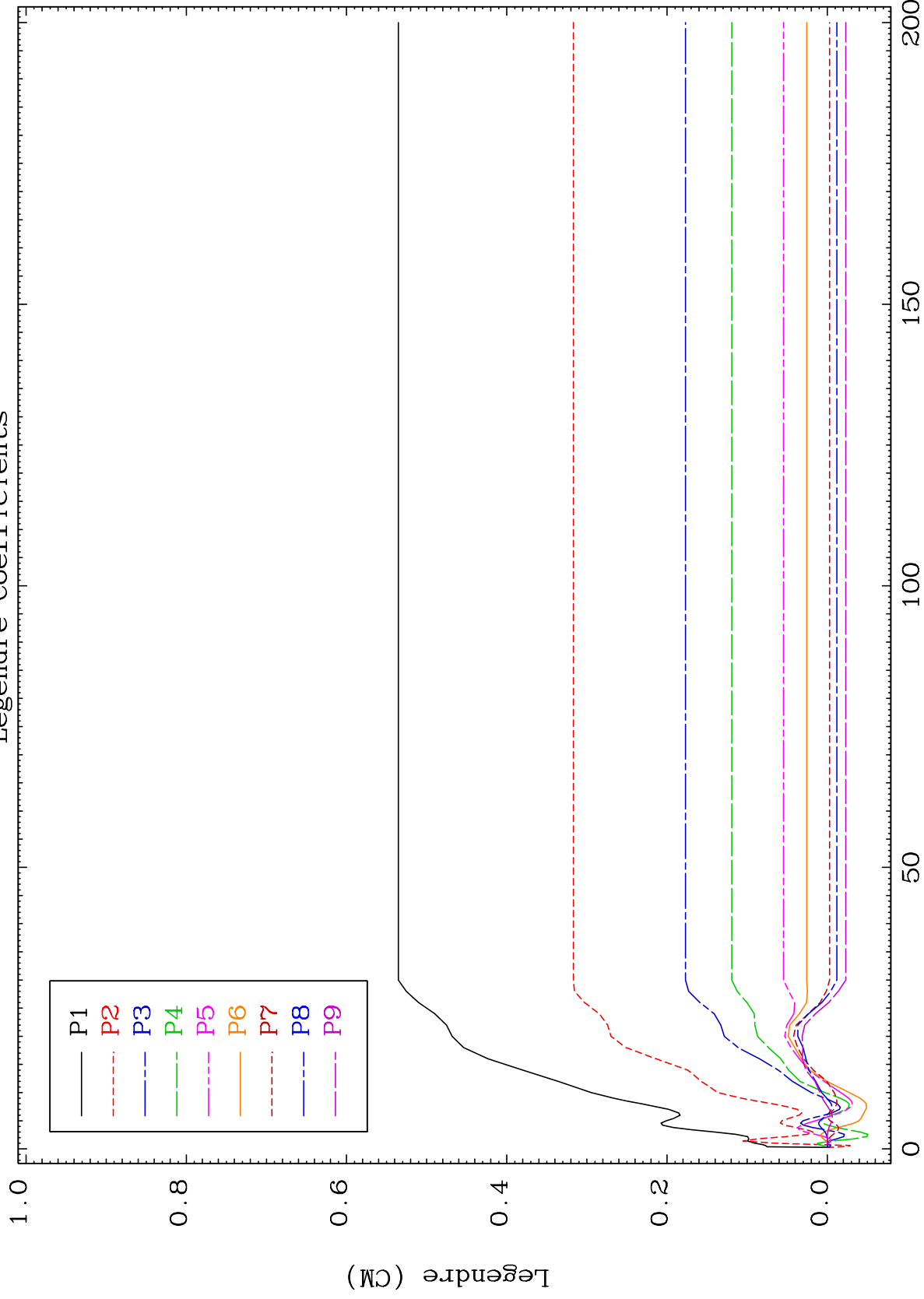
37



MAT 7104

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

71-Lu-168



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Incident Energy (MeV)

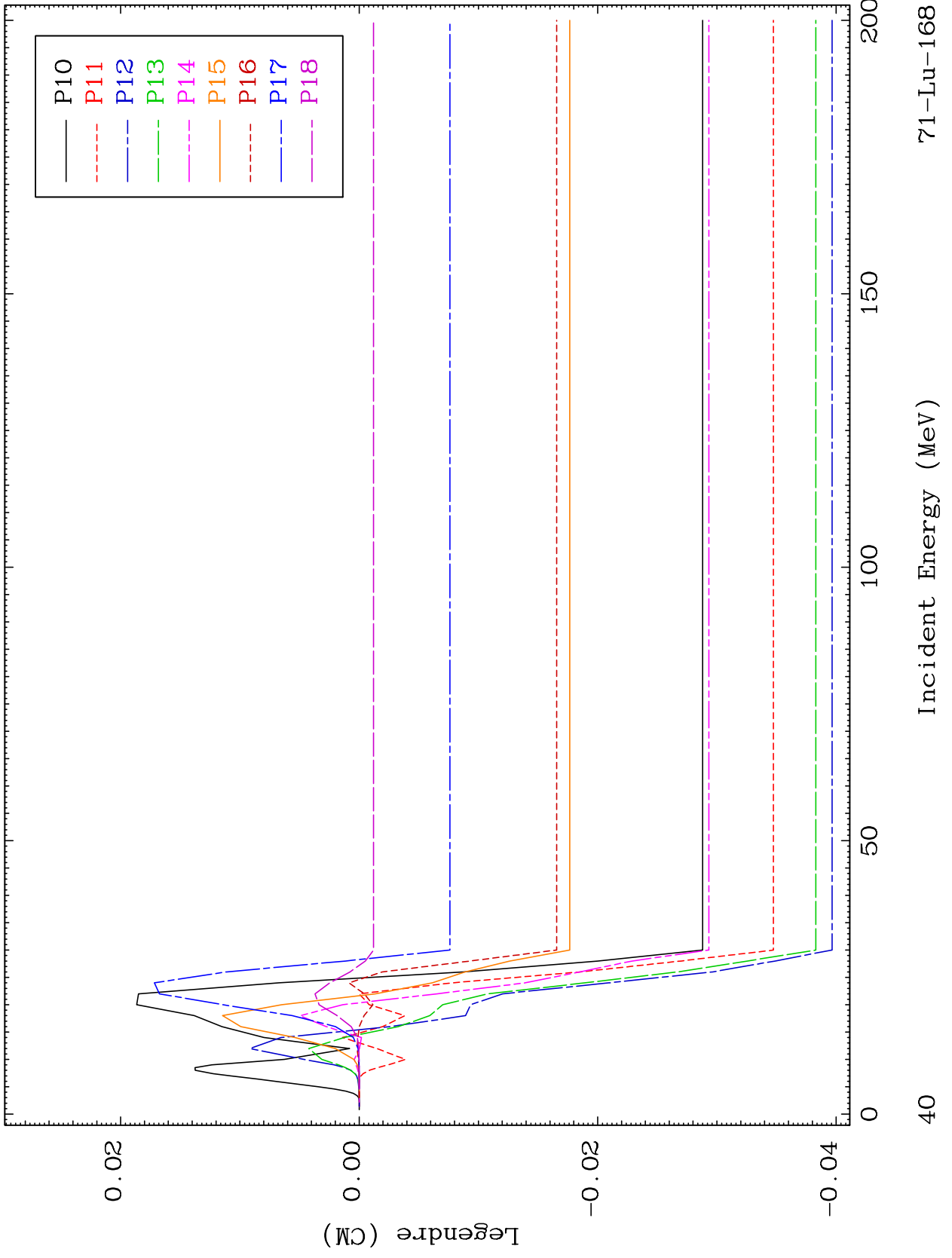
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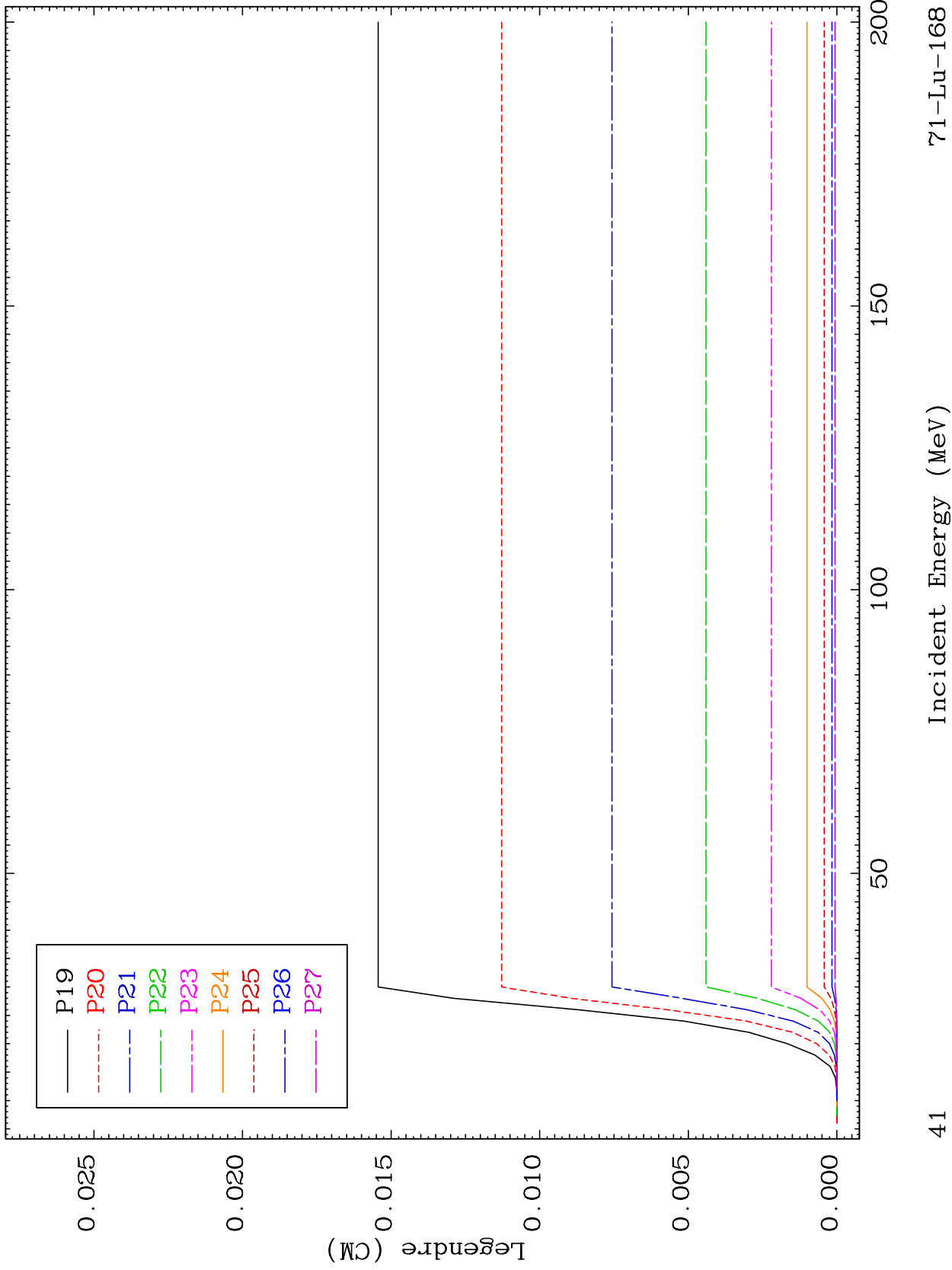


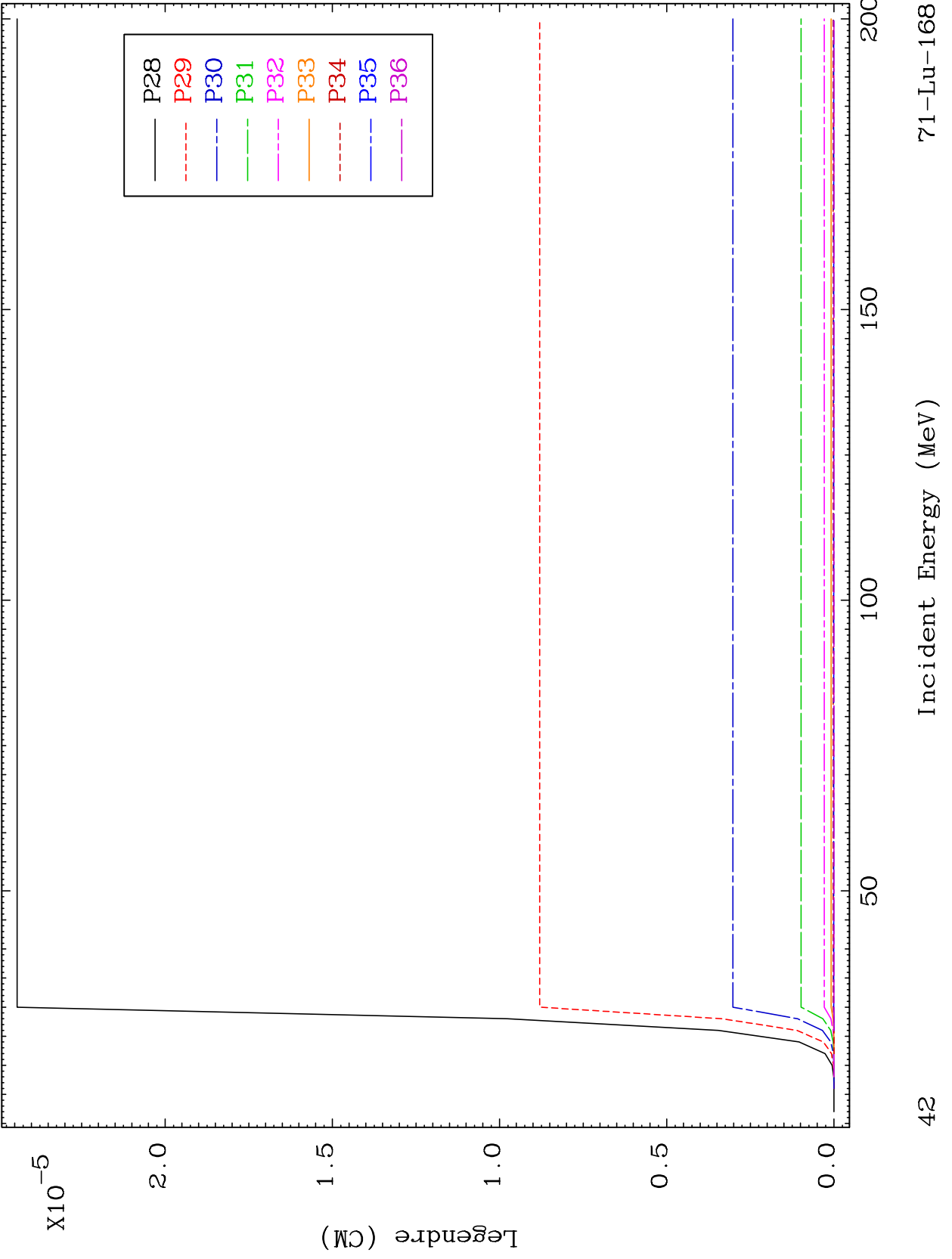
MAT 7104

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

71-Lu-168



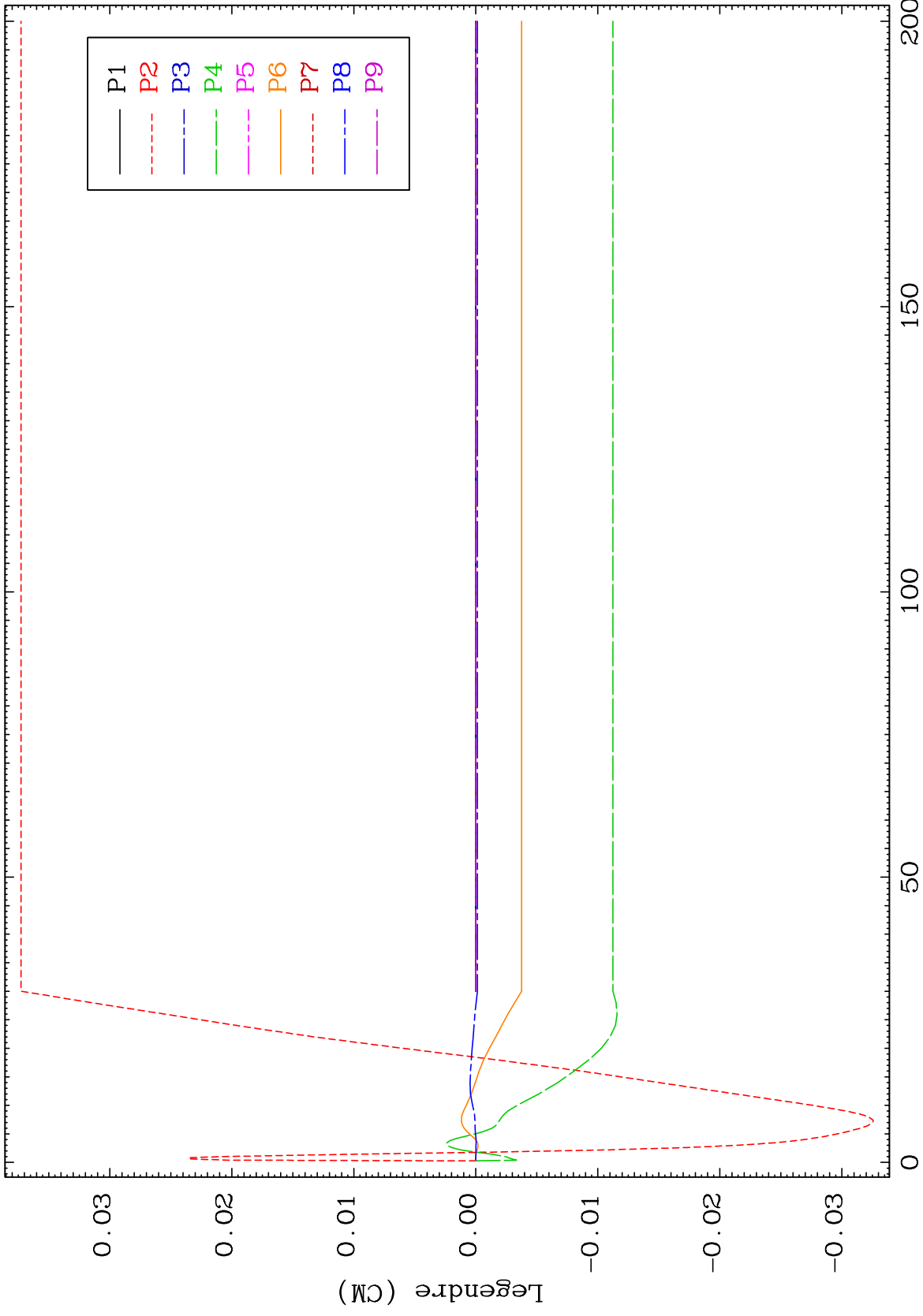




MAT 7104

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

71-Lu-168



43

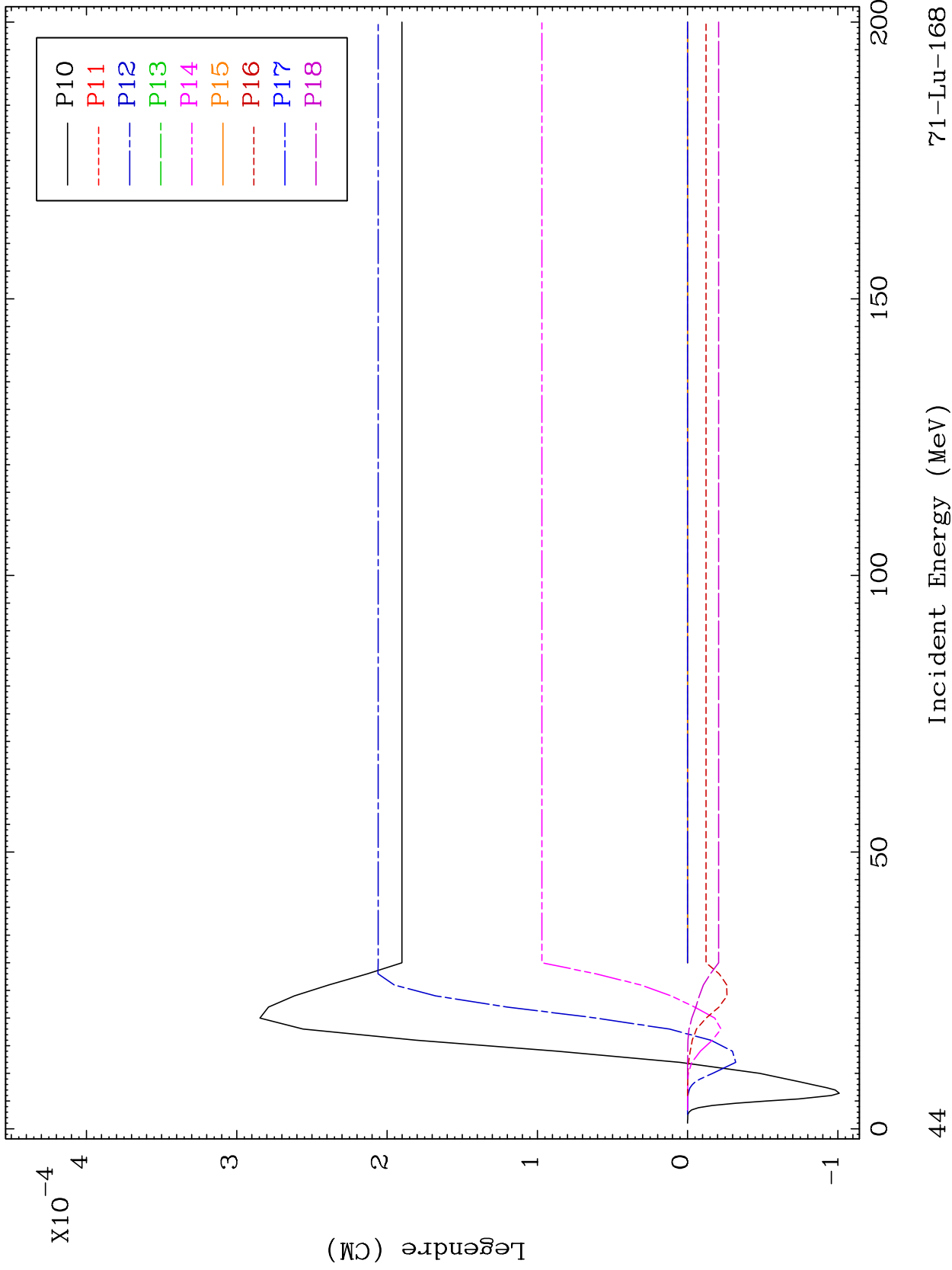
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

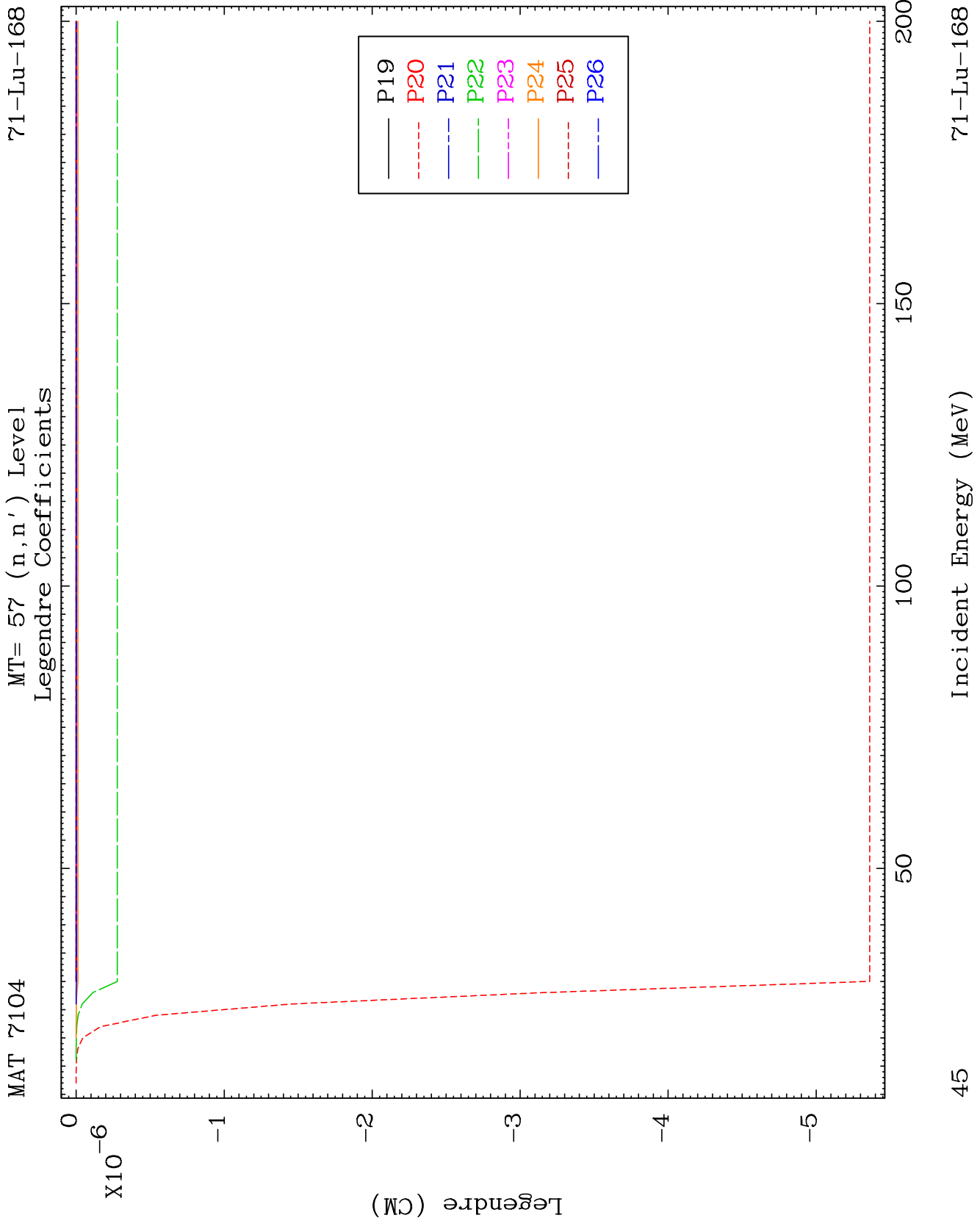
71-Lu-168



44

Incident Energy (MeV)

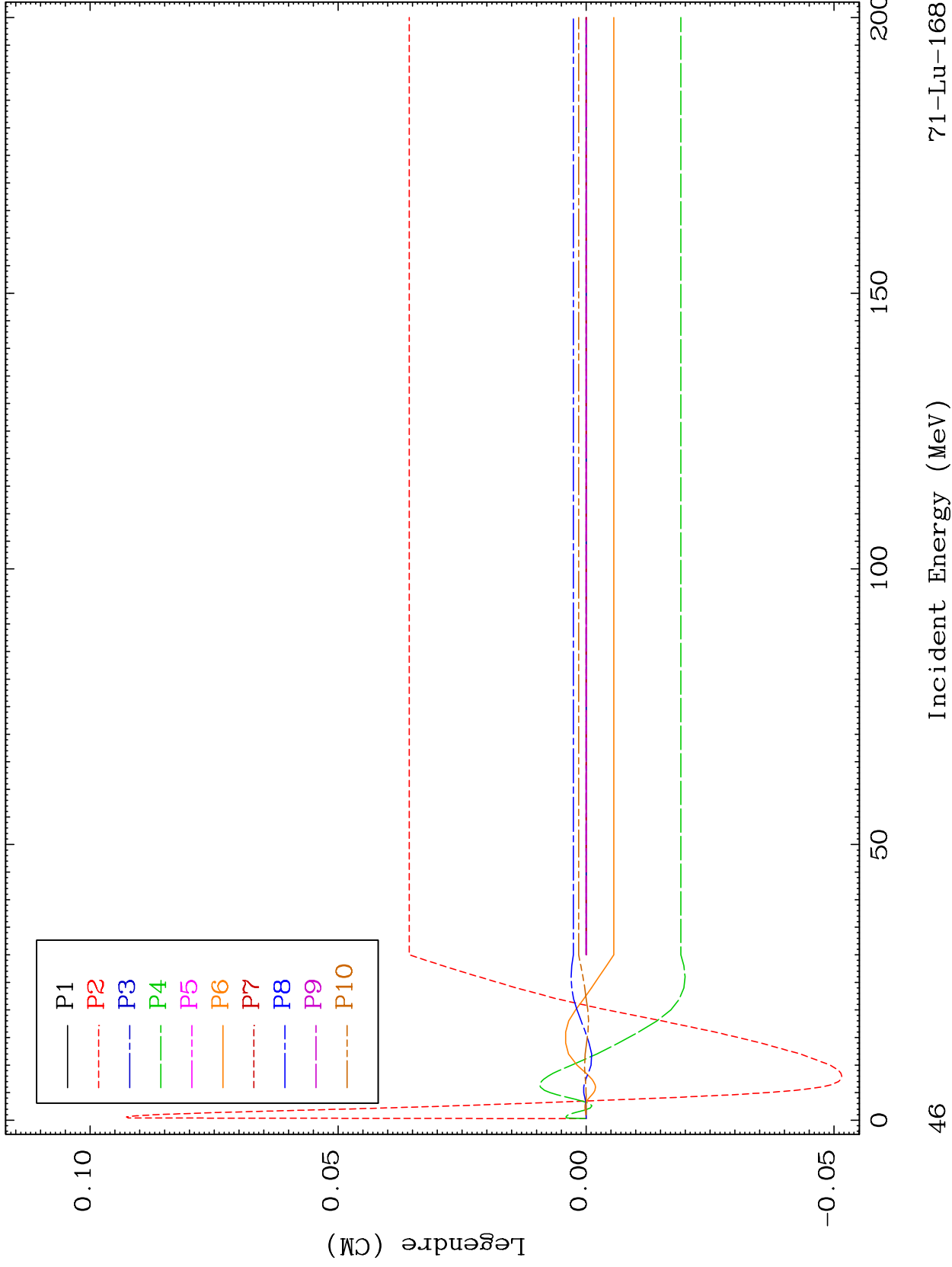
71-Lu-168



MAT 7104

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

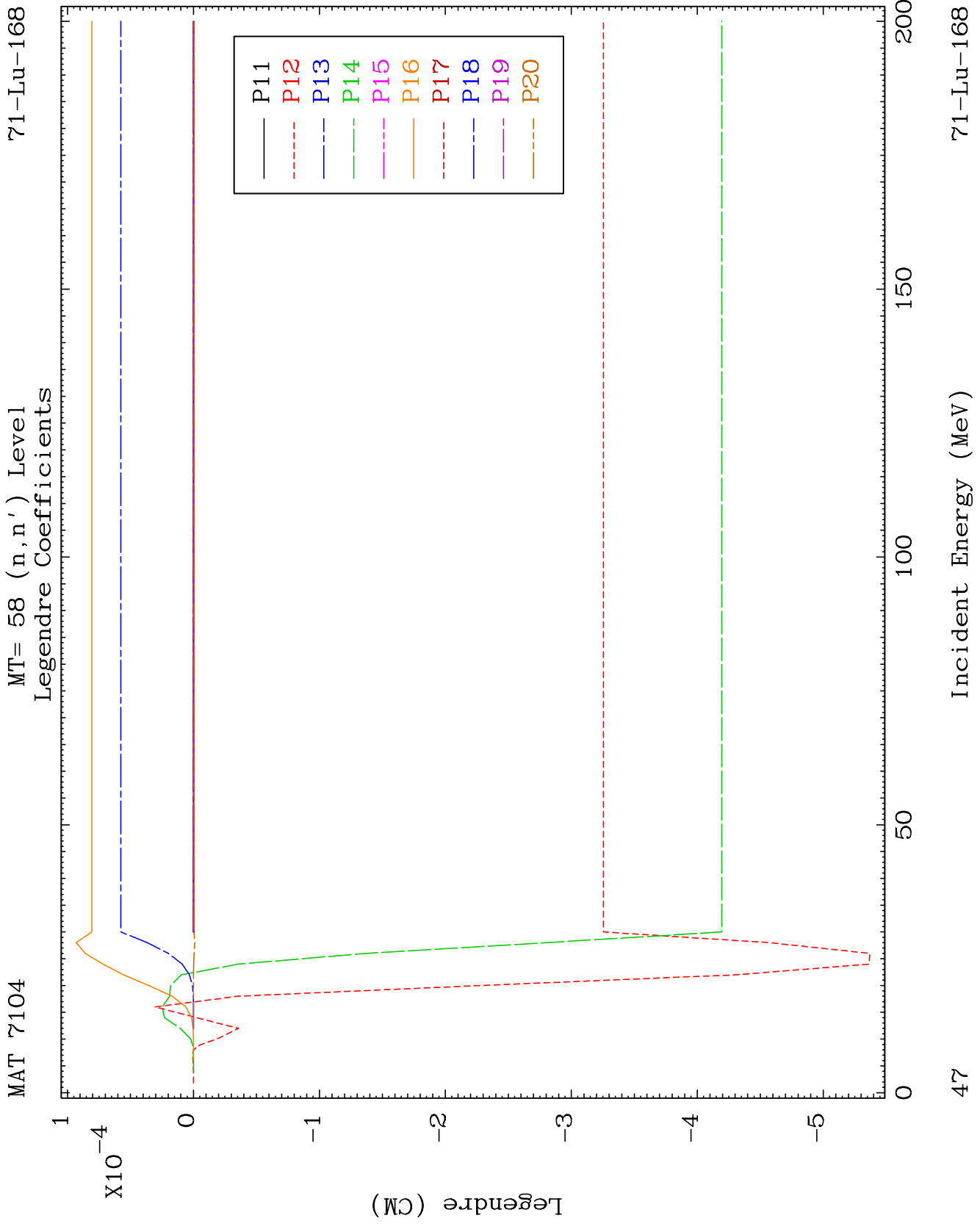
71-Lu-168



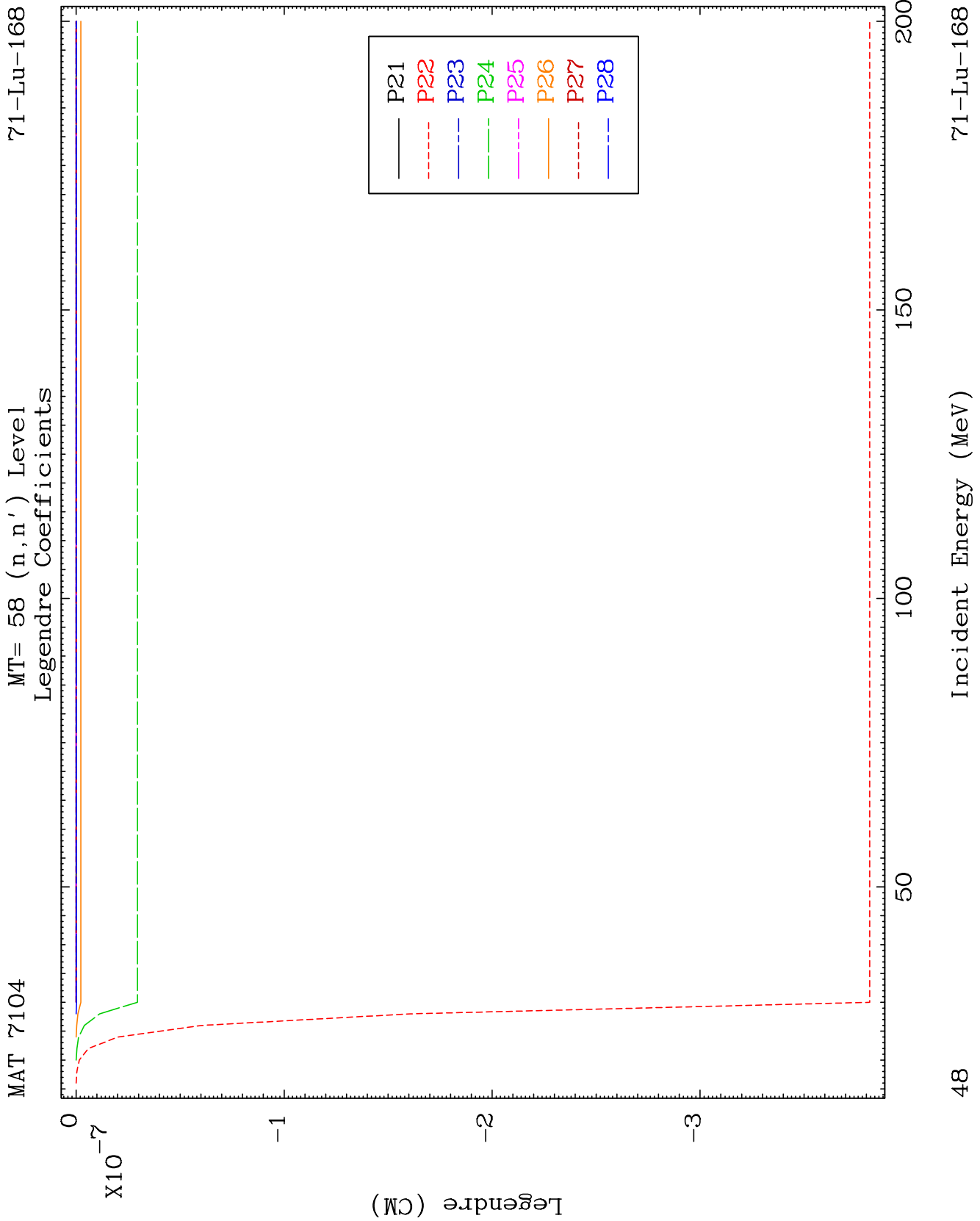
71-Lu-168

Incident Energy (MeV)

46



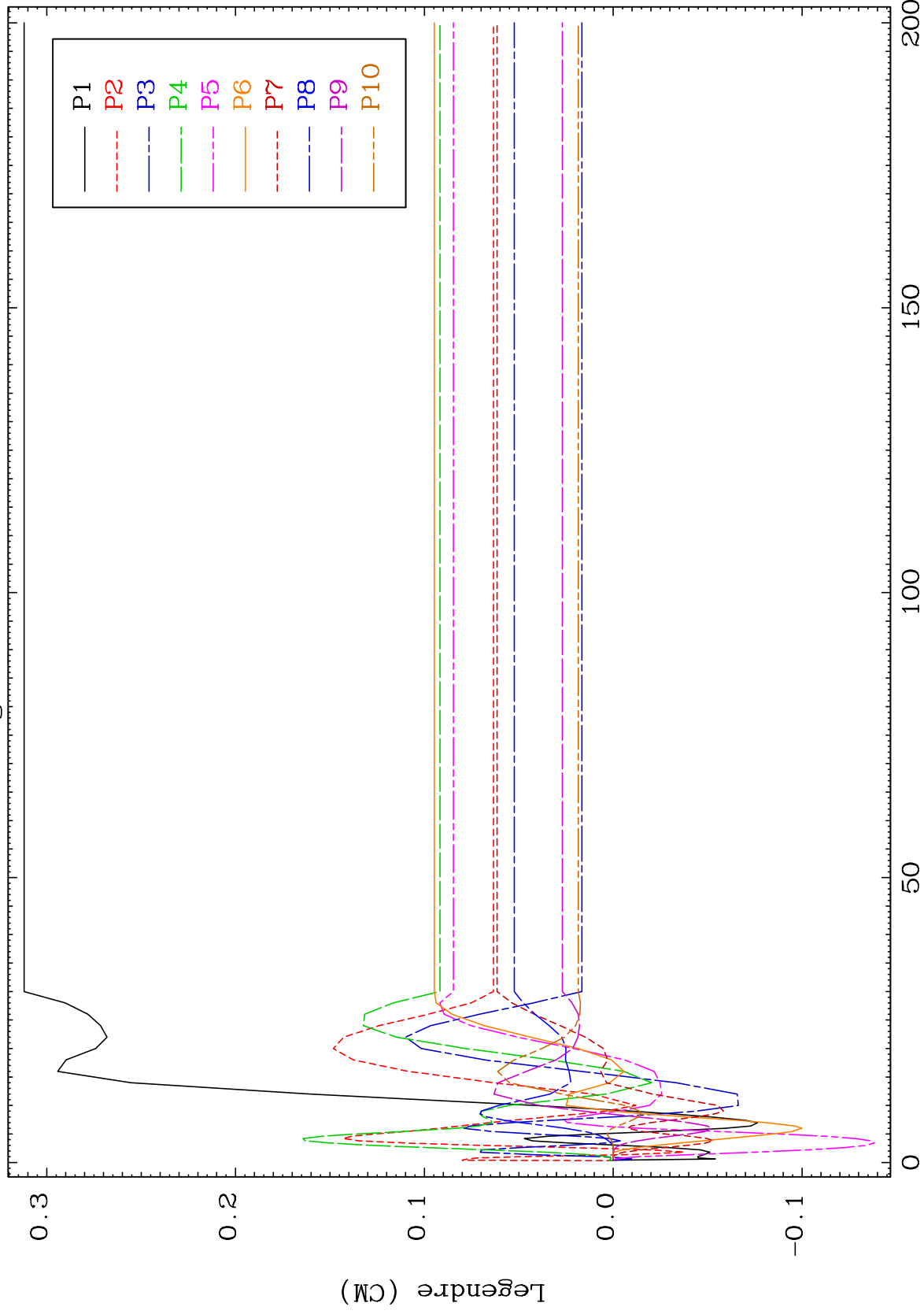




MAT 7104

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

71-Lu-168



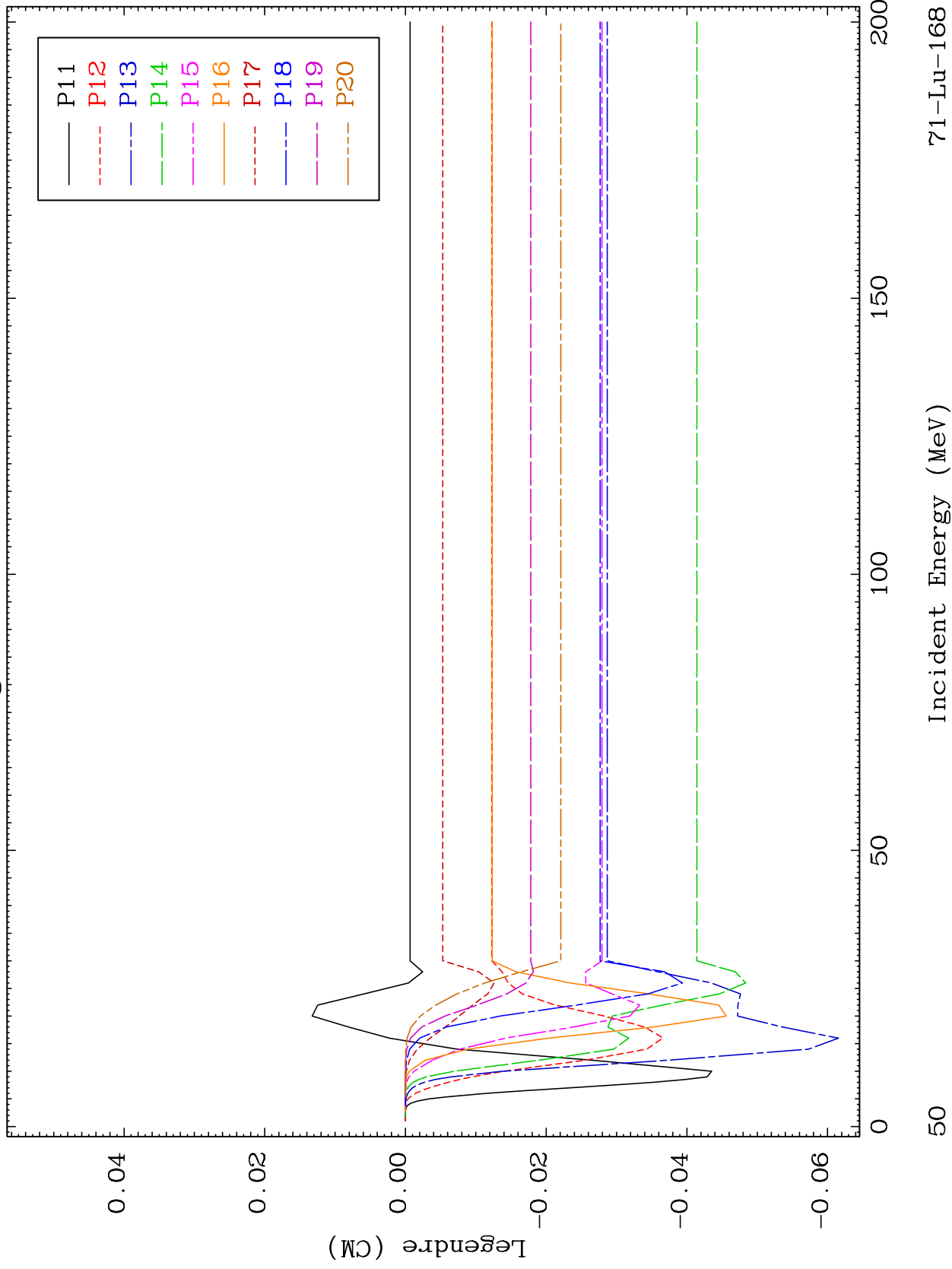
49

71-Lu-168

MAT 7104

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

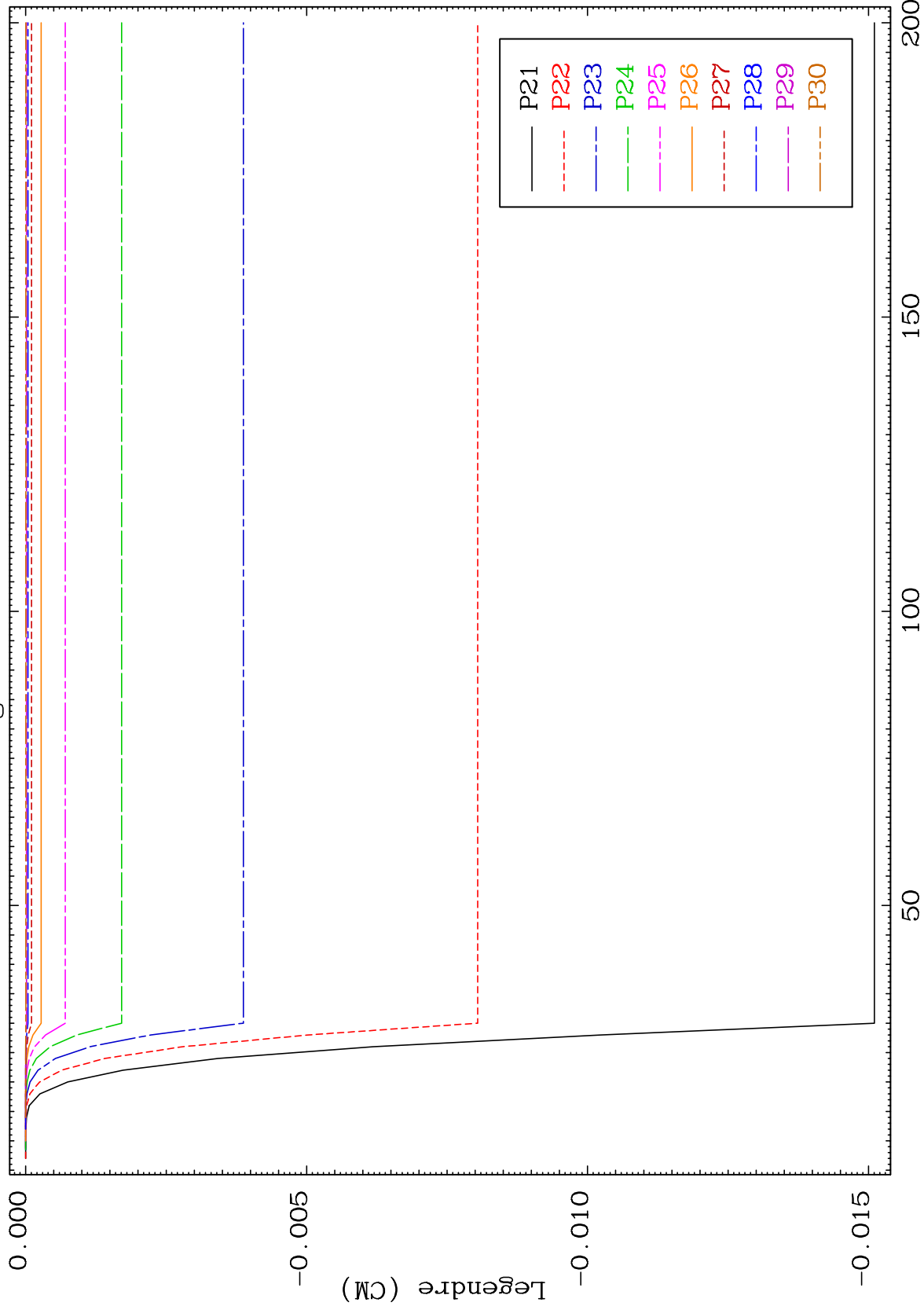
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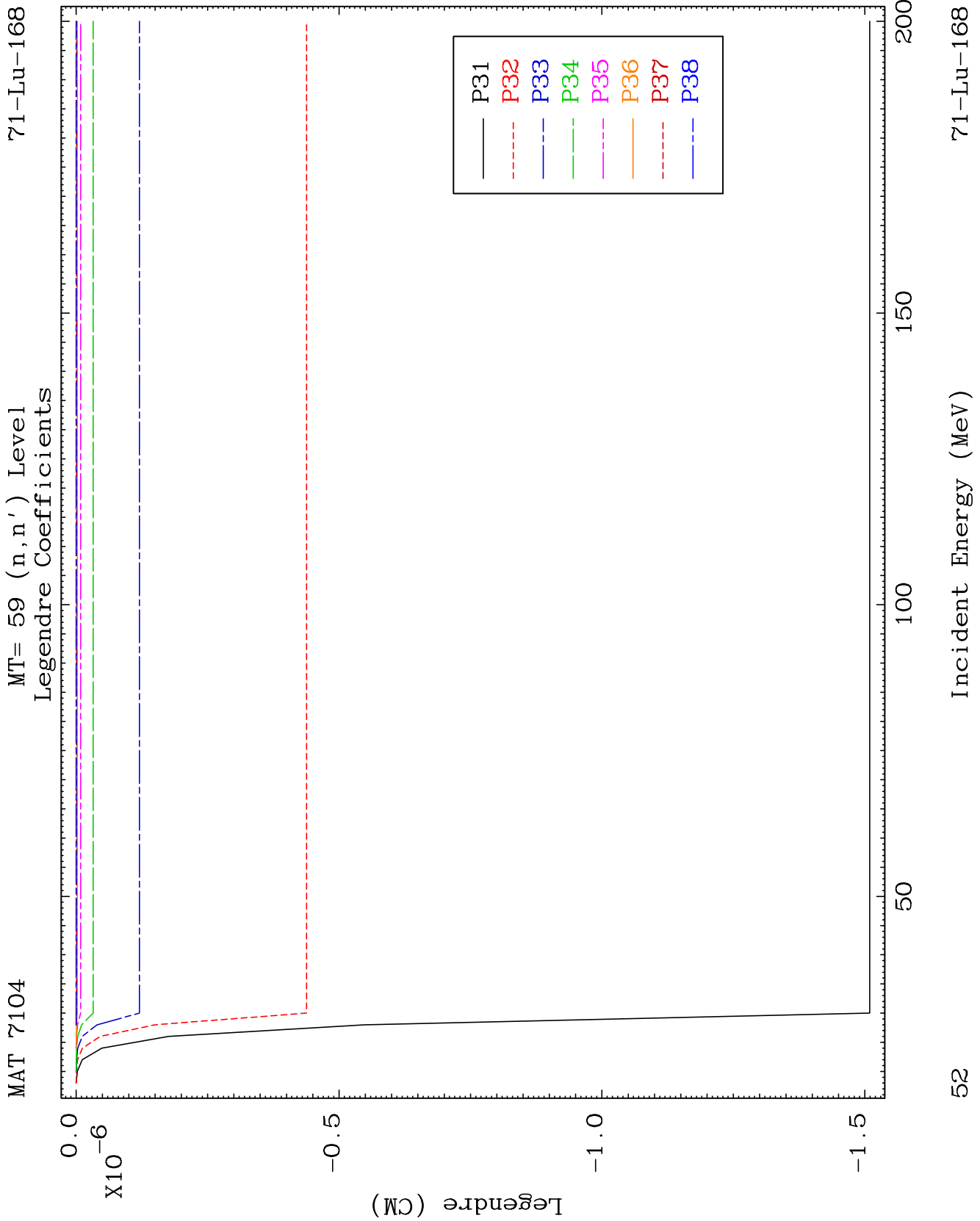


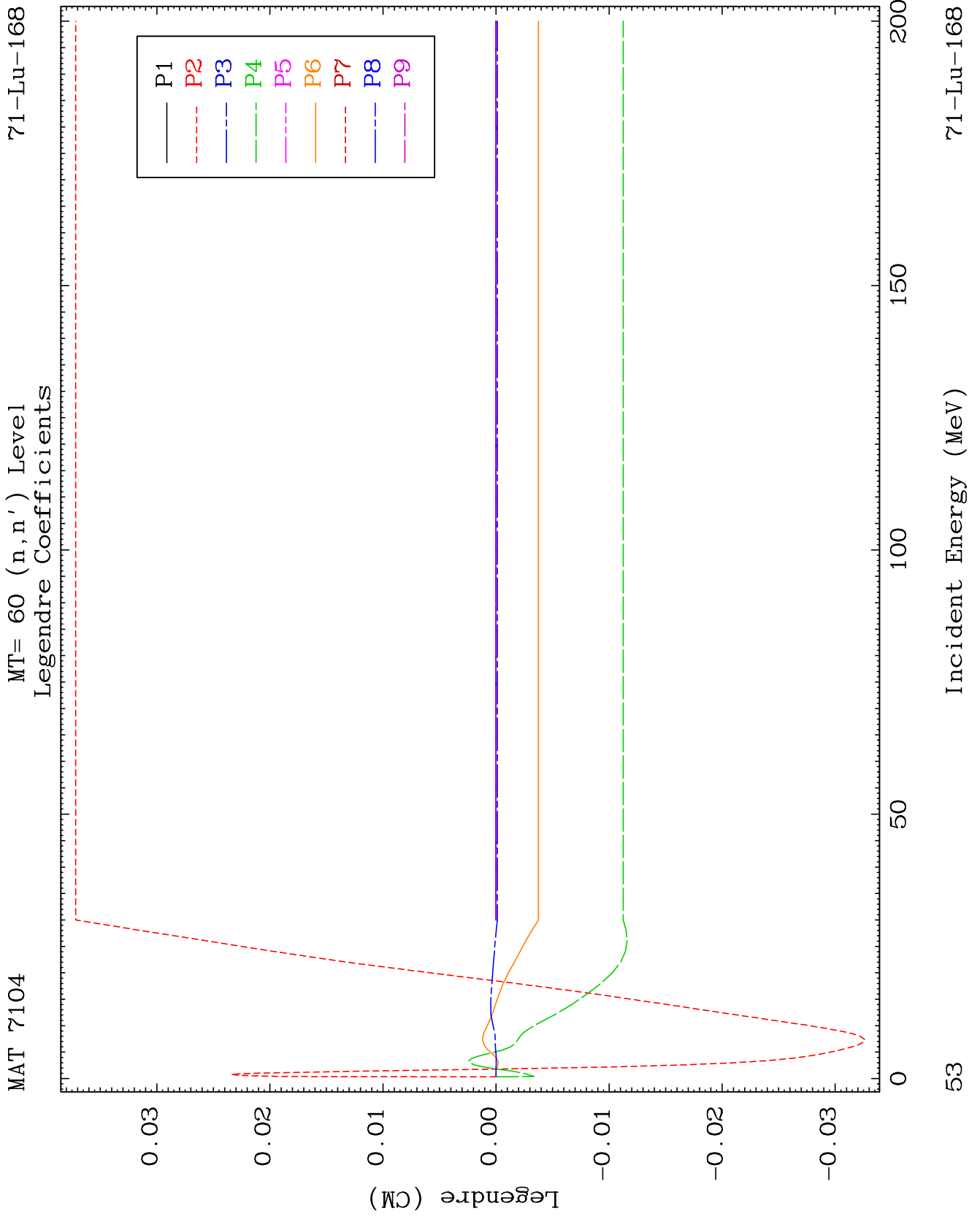
71-Lu-168

Incident Energy (MeV)

50



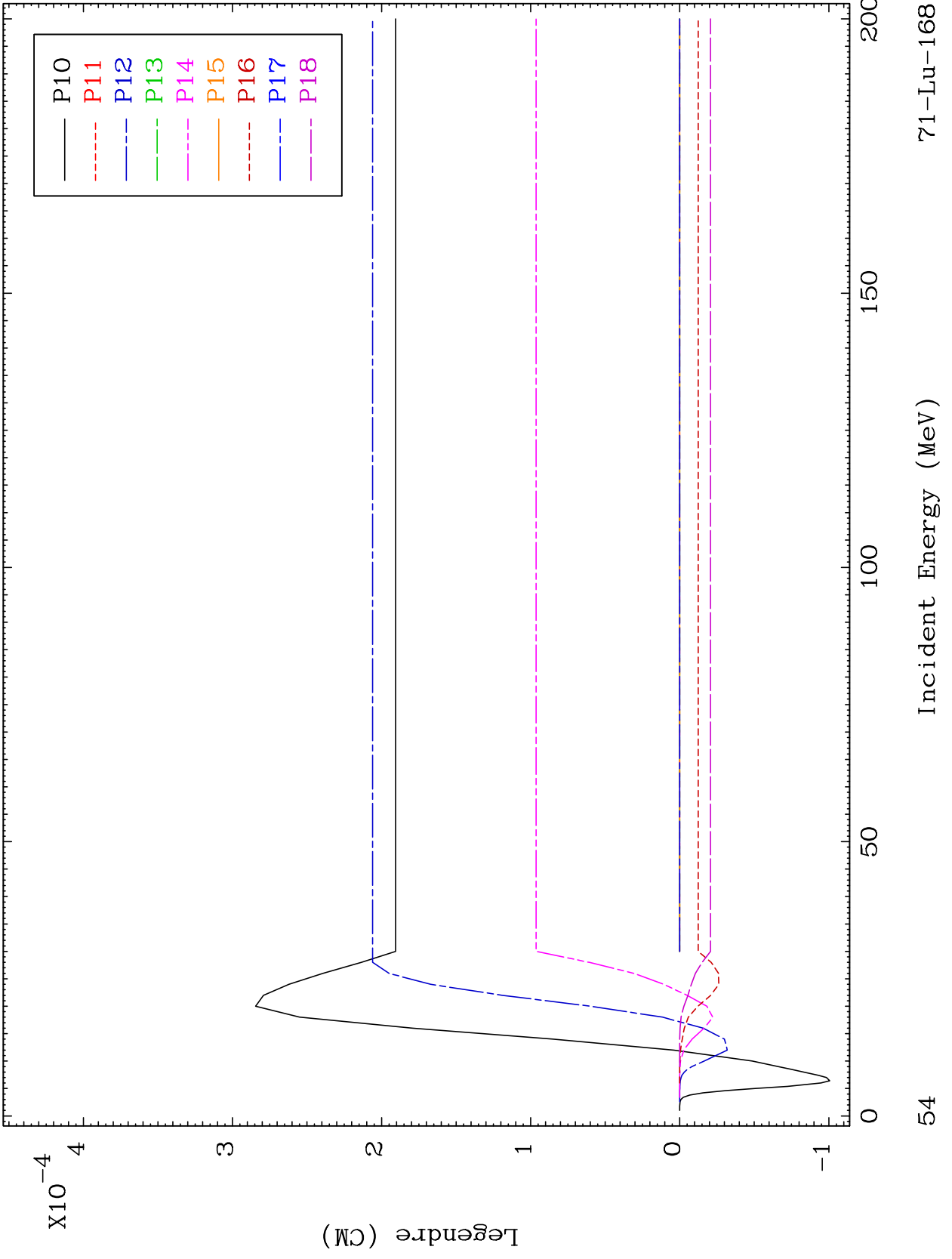




MAT 7104

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

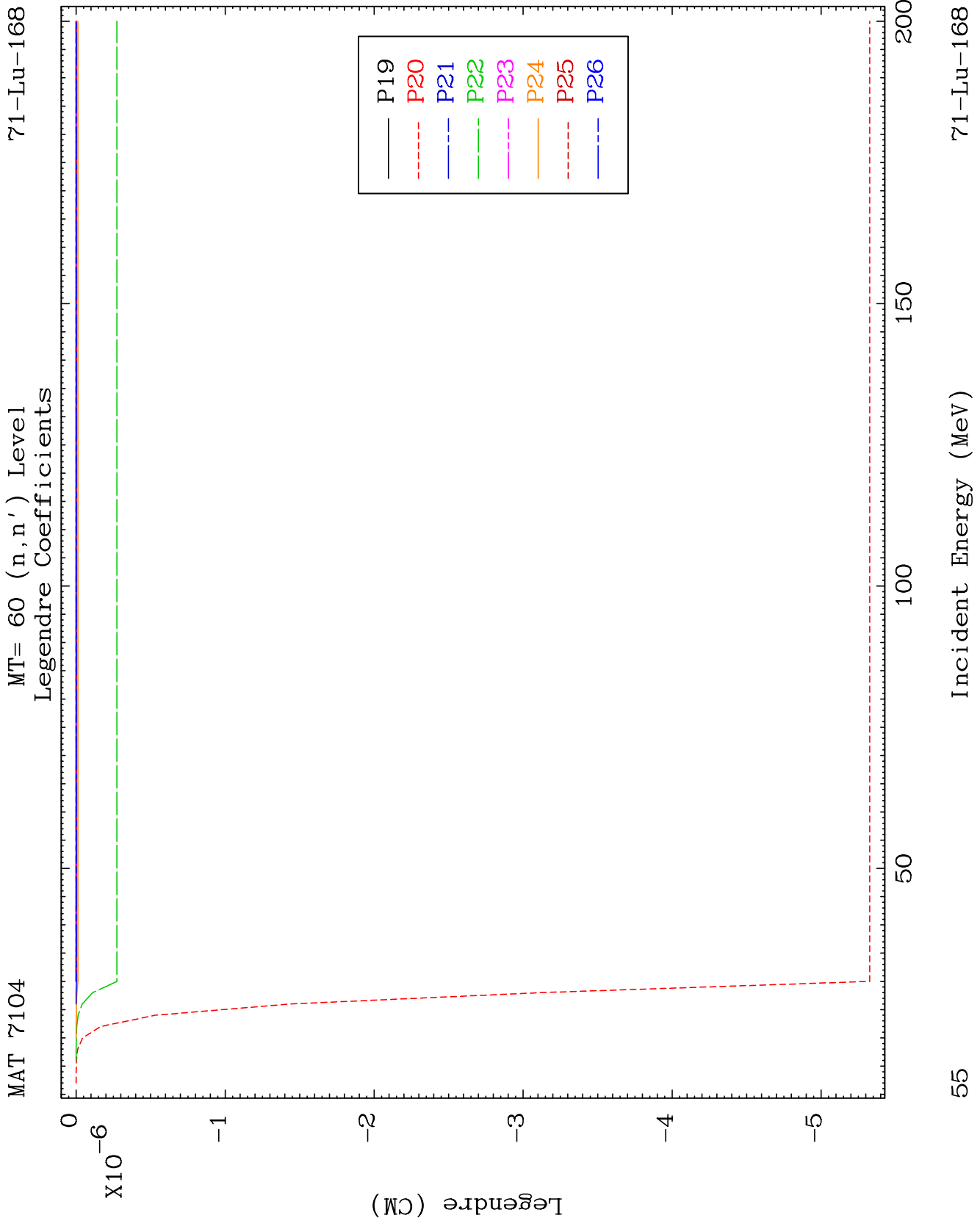
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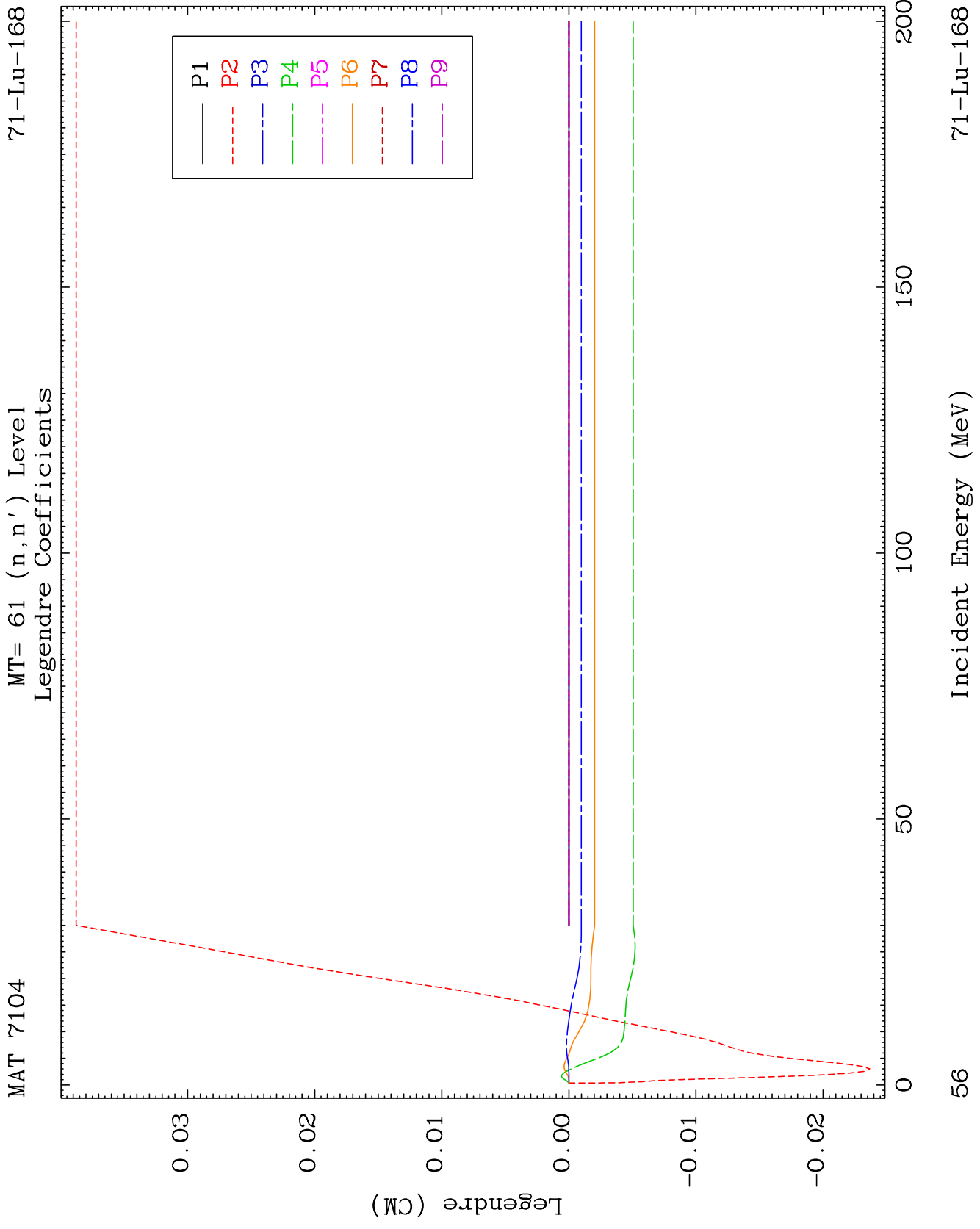
54

Incident Energy (MeV)

71-Lu-168



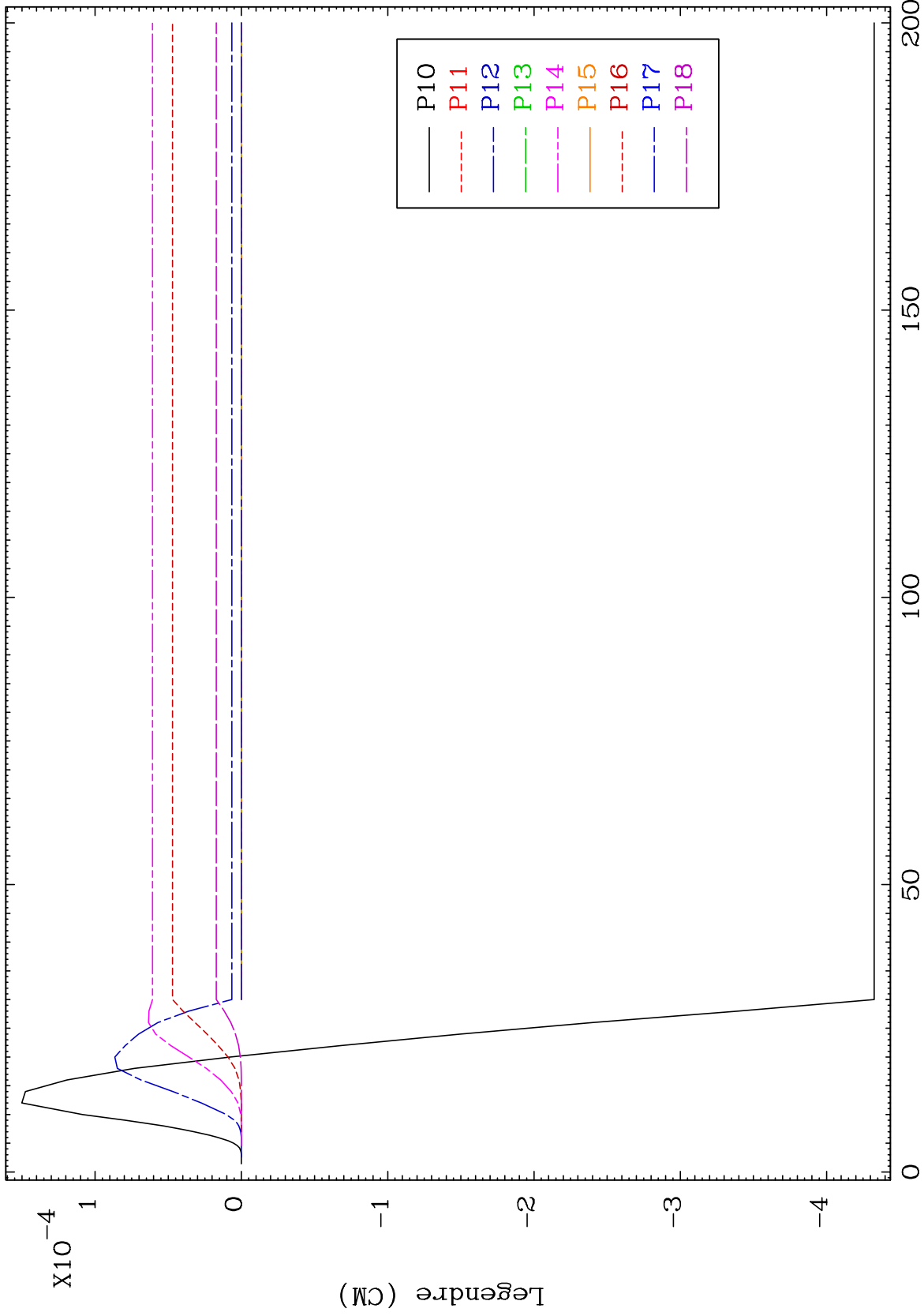




MAT 7104

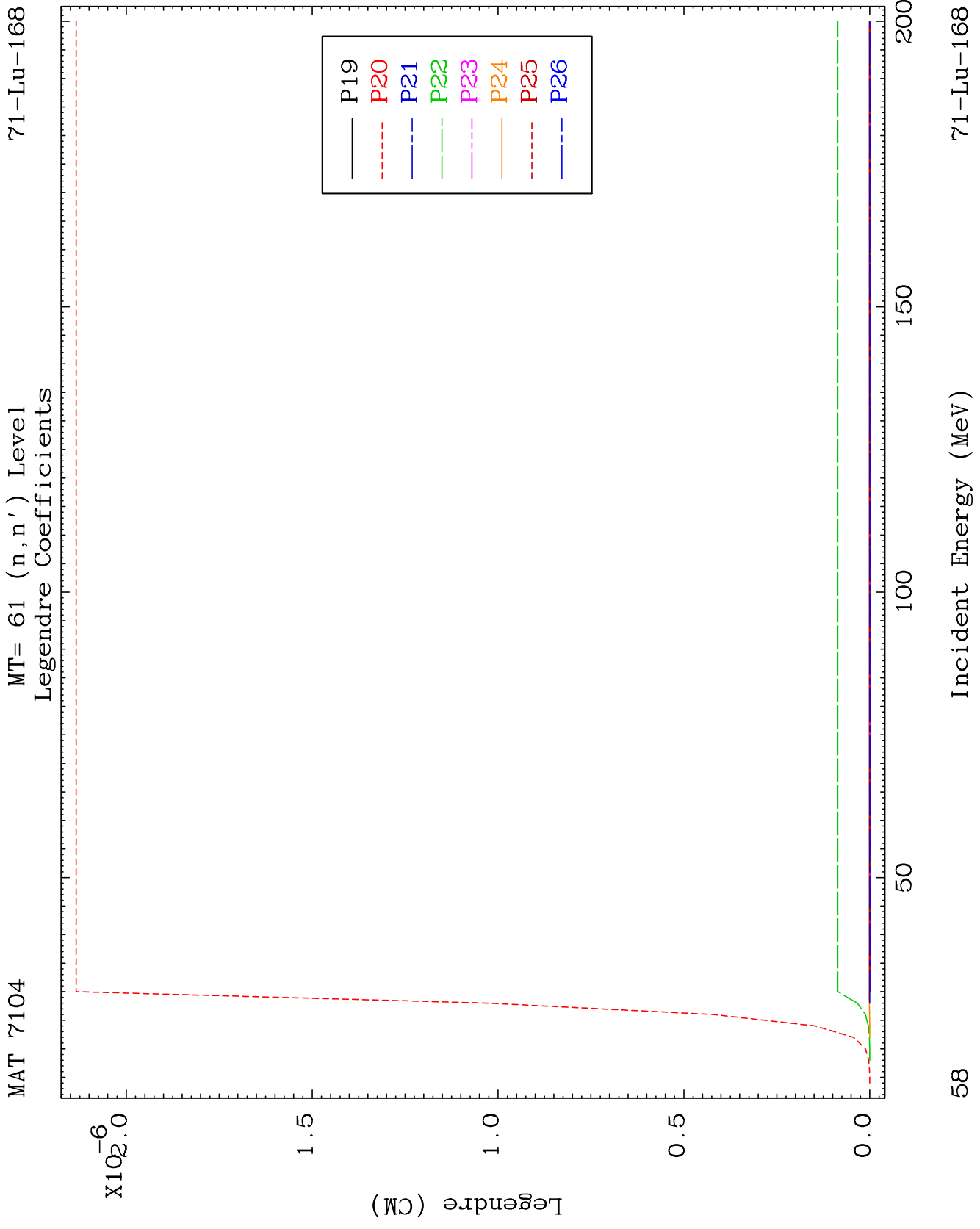
MT= 61 (n,n') Level  
Legendre Coefficients

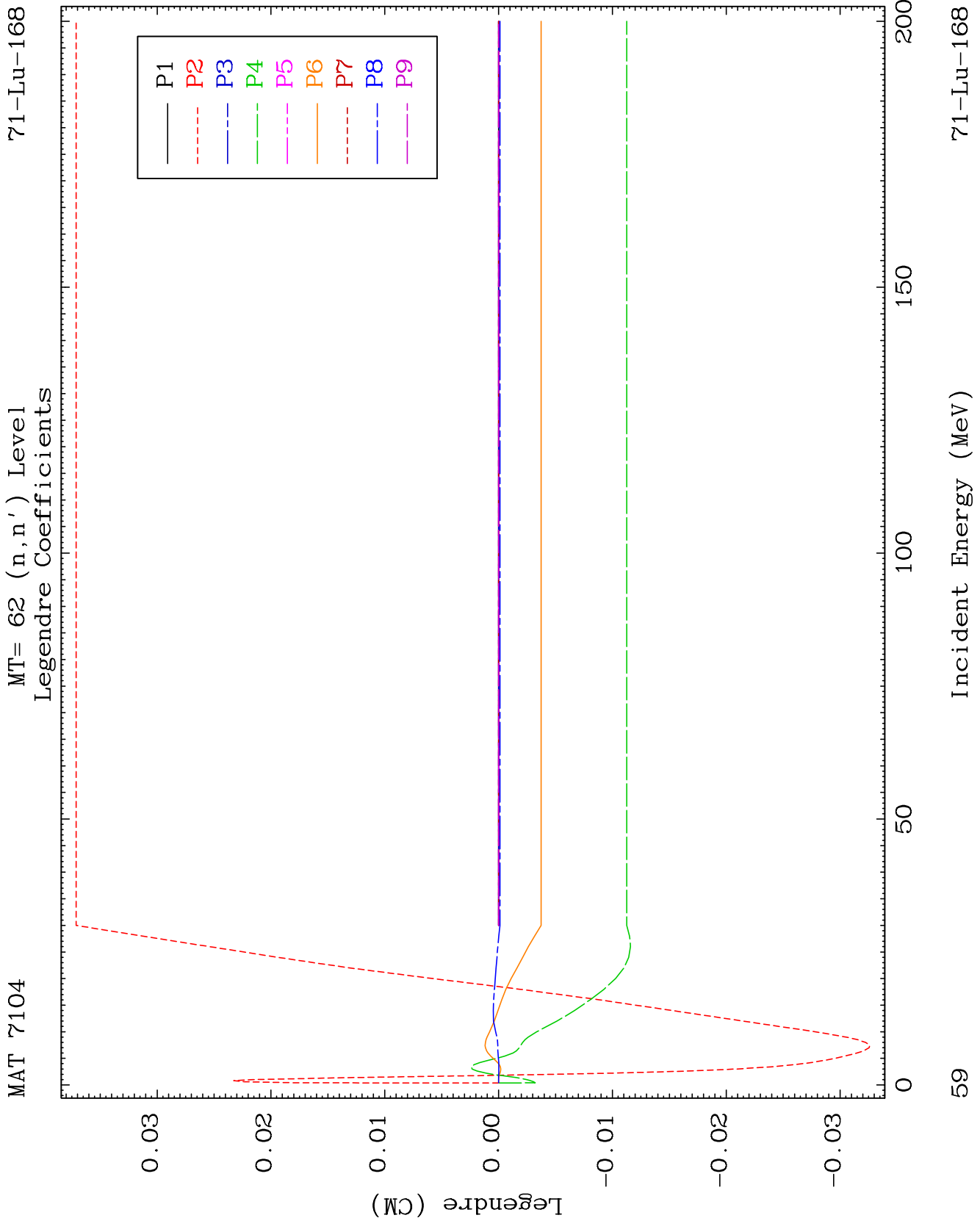
71-Lu-168



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71-Lu-168

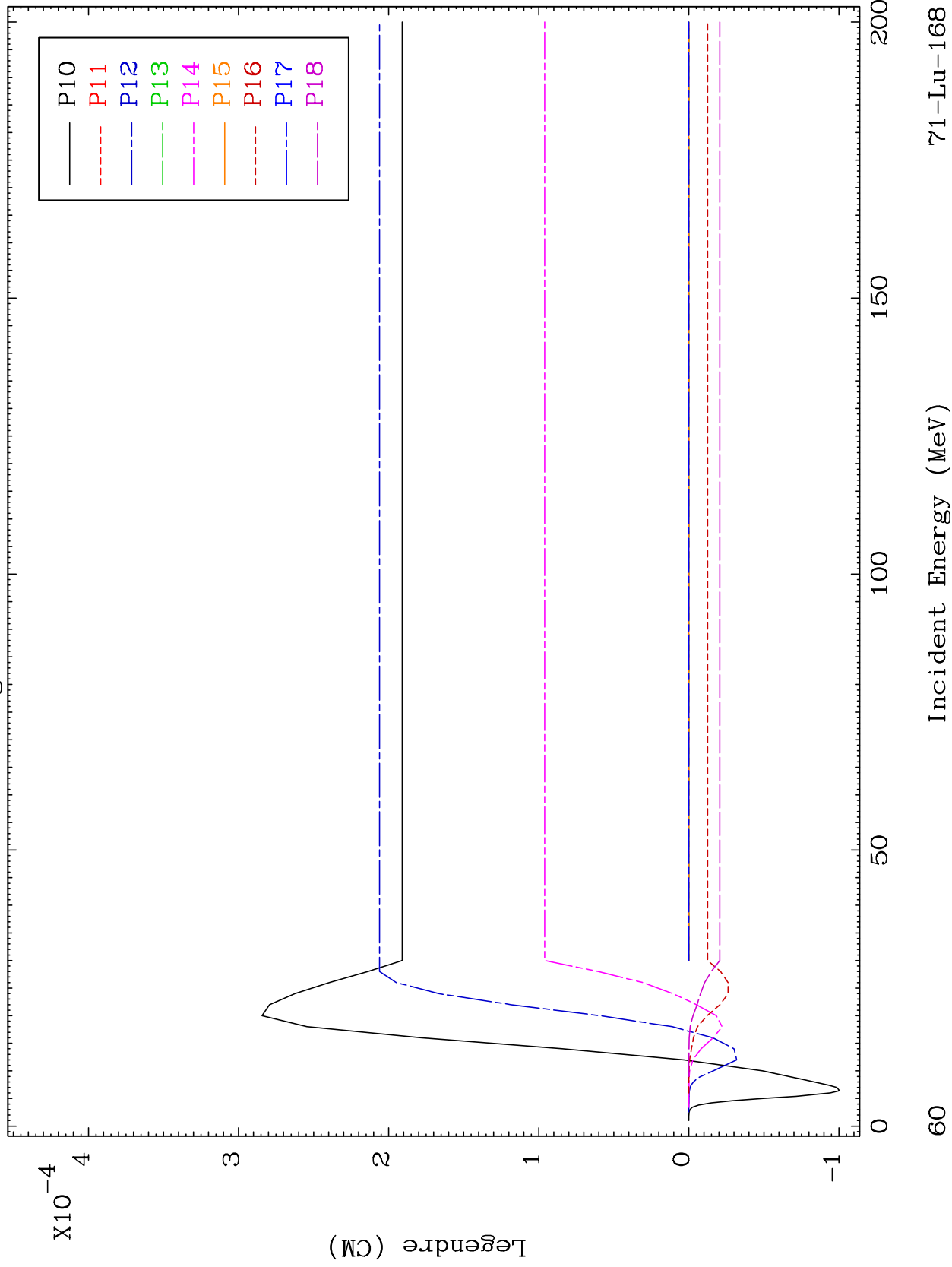


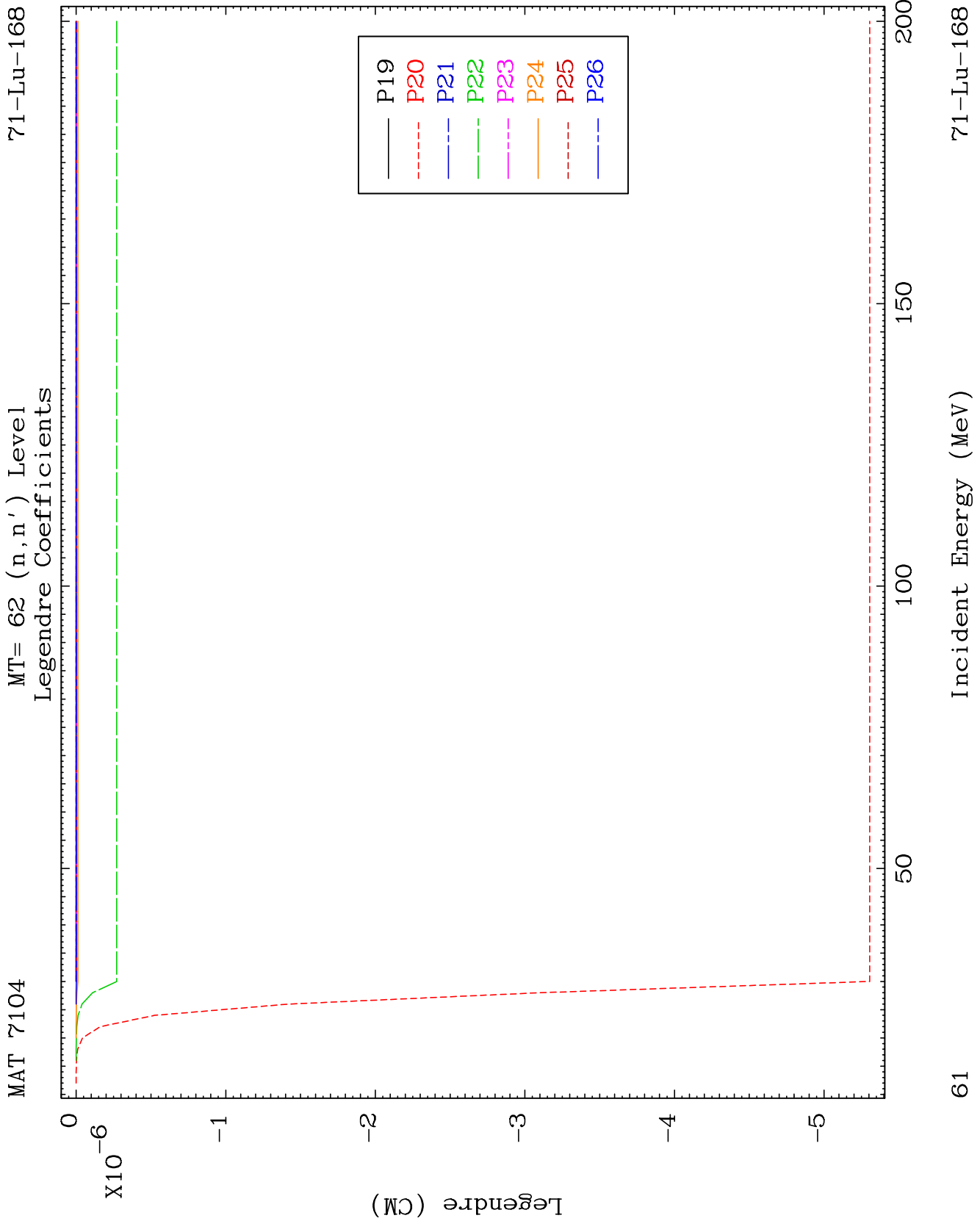


MAT 7104

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

71-Lu-168

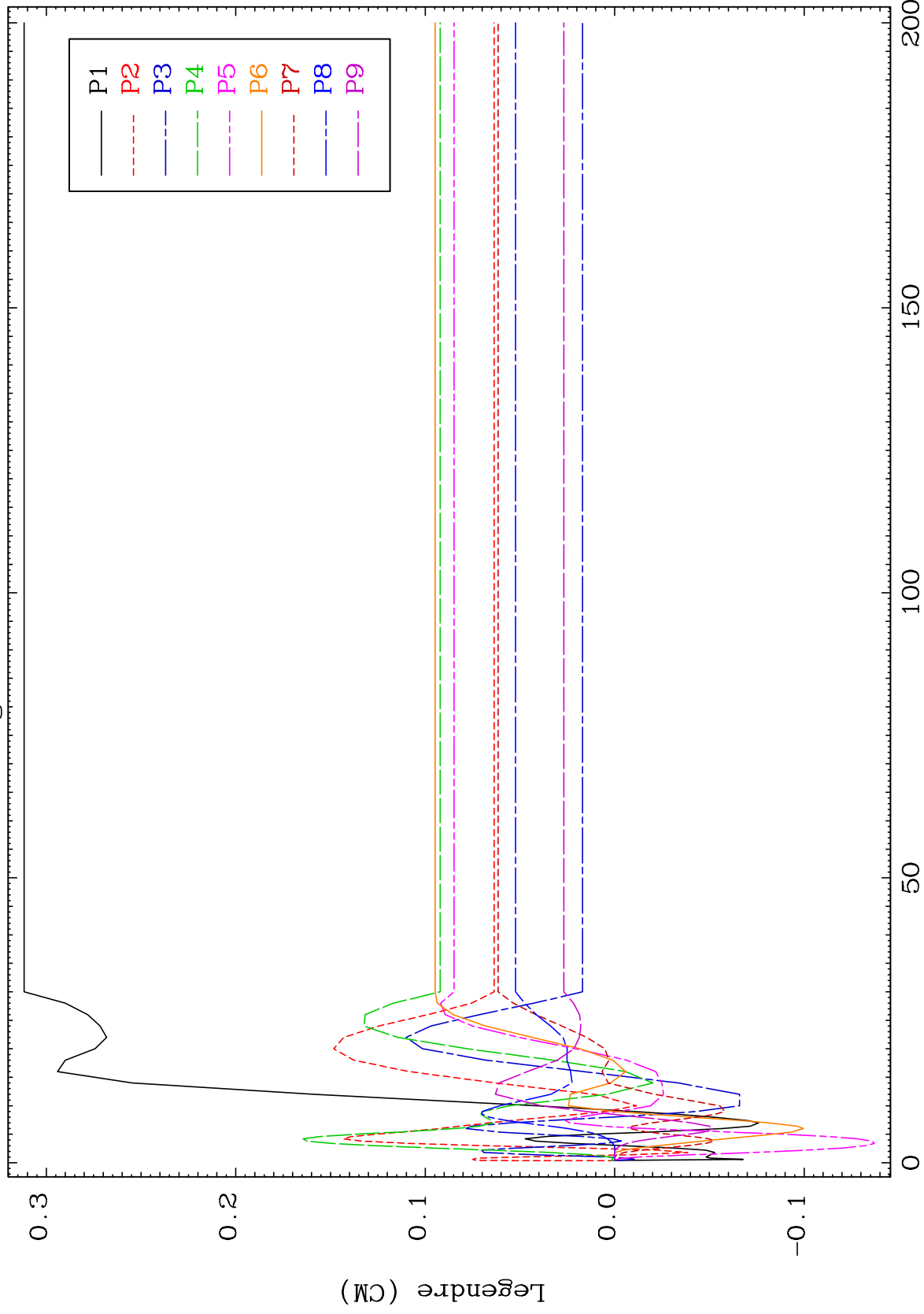




MAT 7104

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

71-Lu-168



62

Incident Energy (MeV)

71-Lu-168

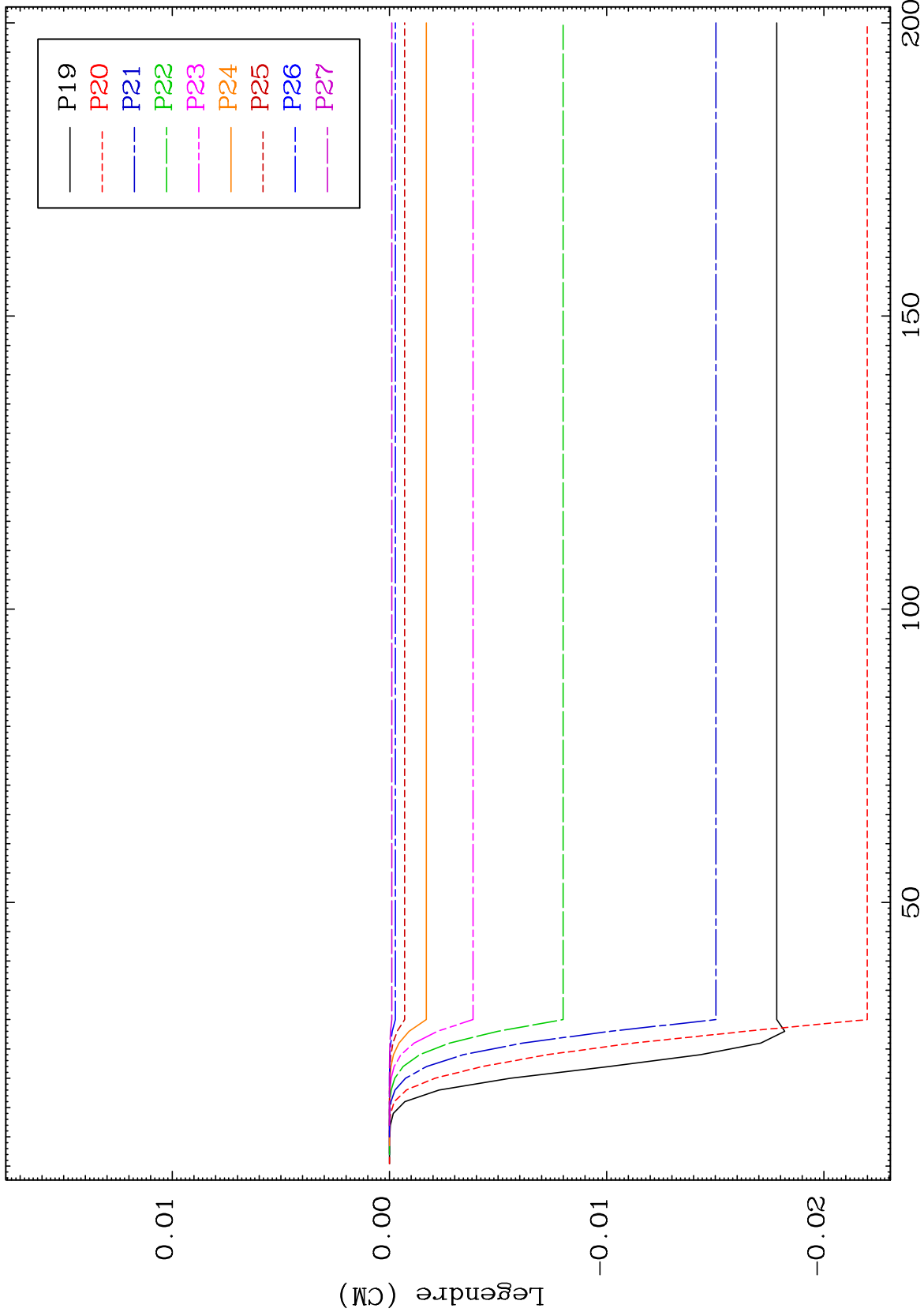




MAT 7104

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

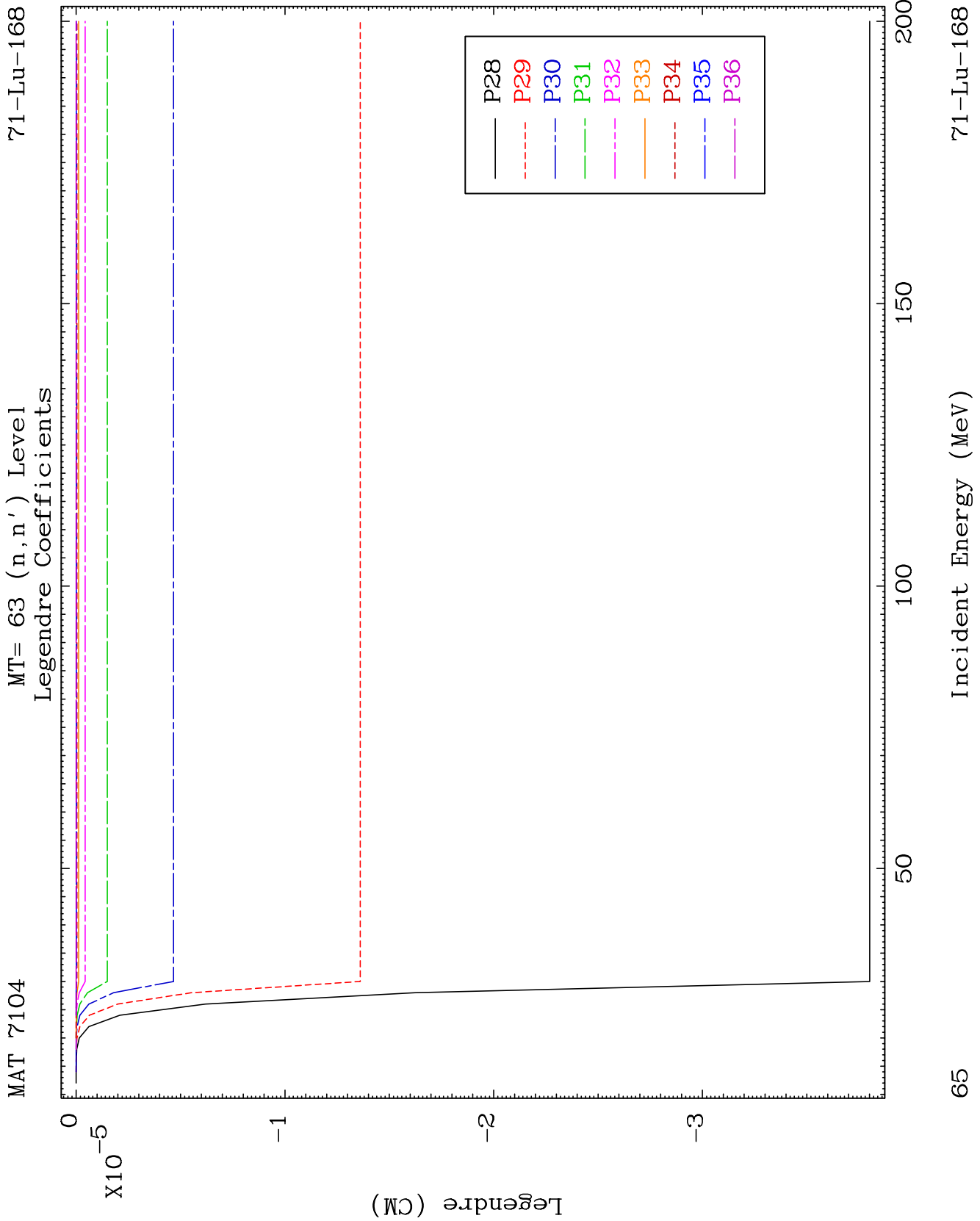
71-Lu-168



64

Incident Energy (MeV)

71-Lu-168

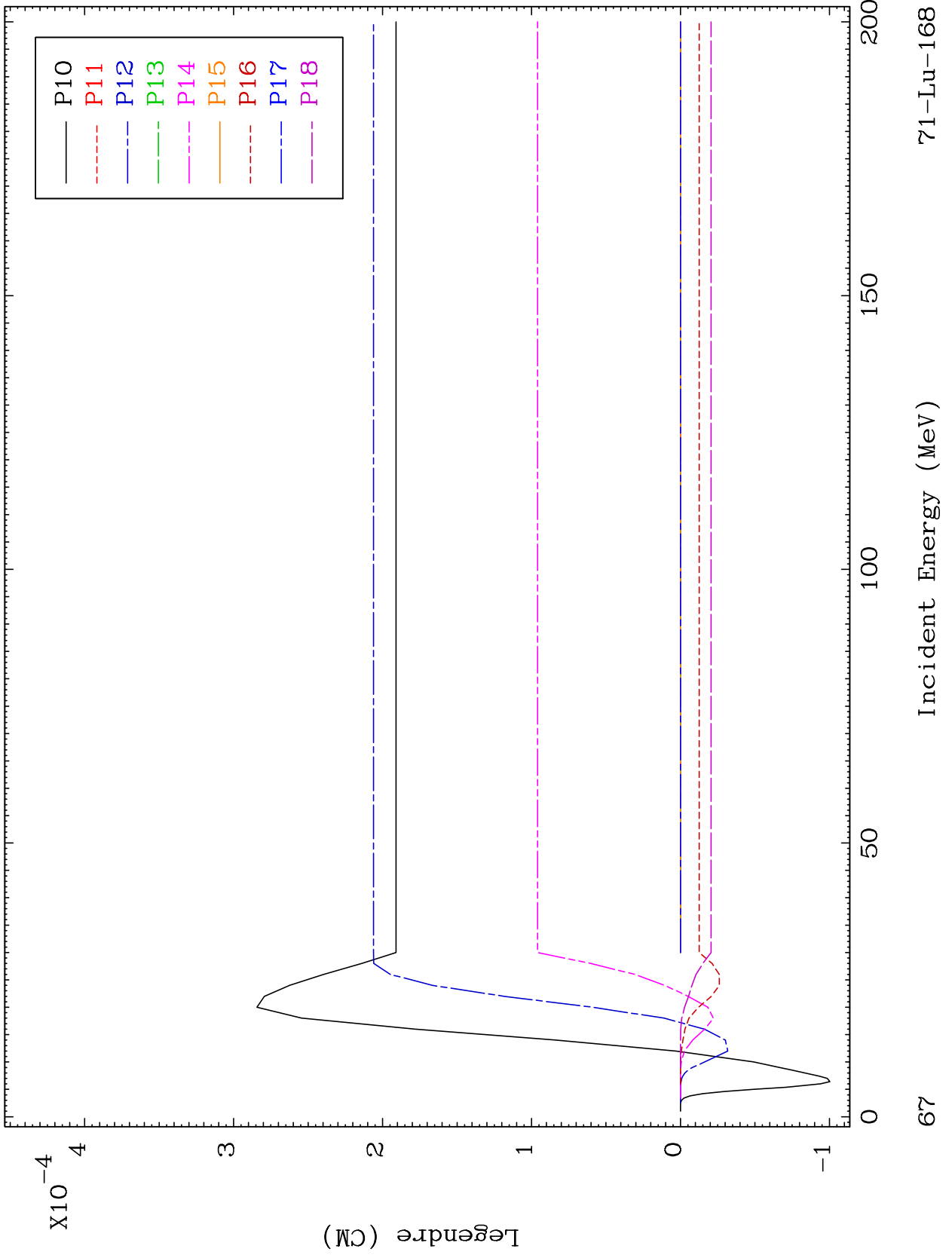


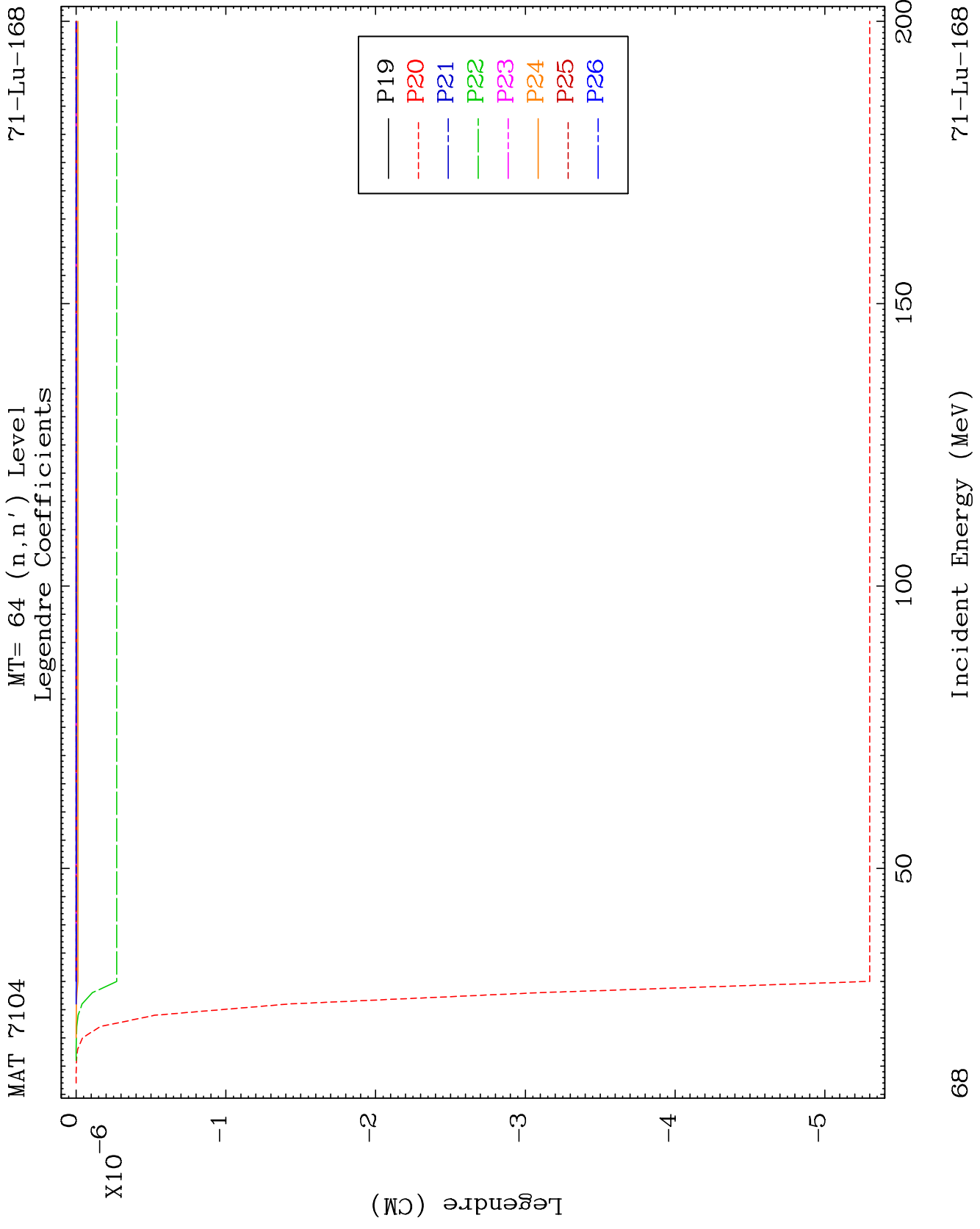


MAT 7104

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

71-Lu-168

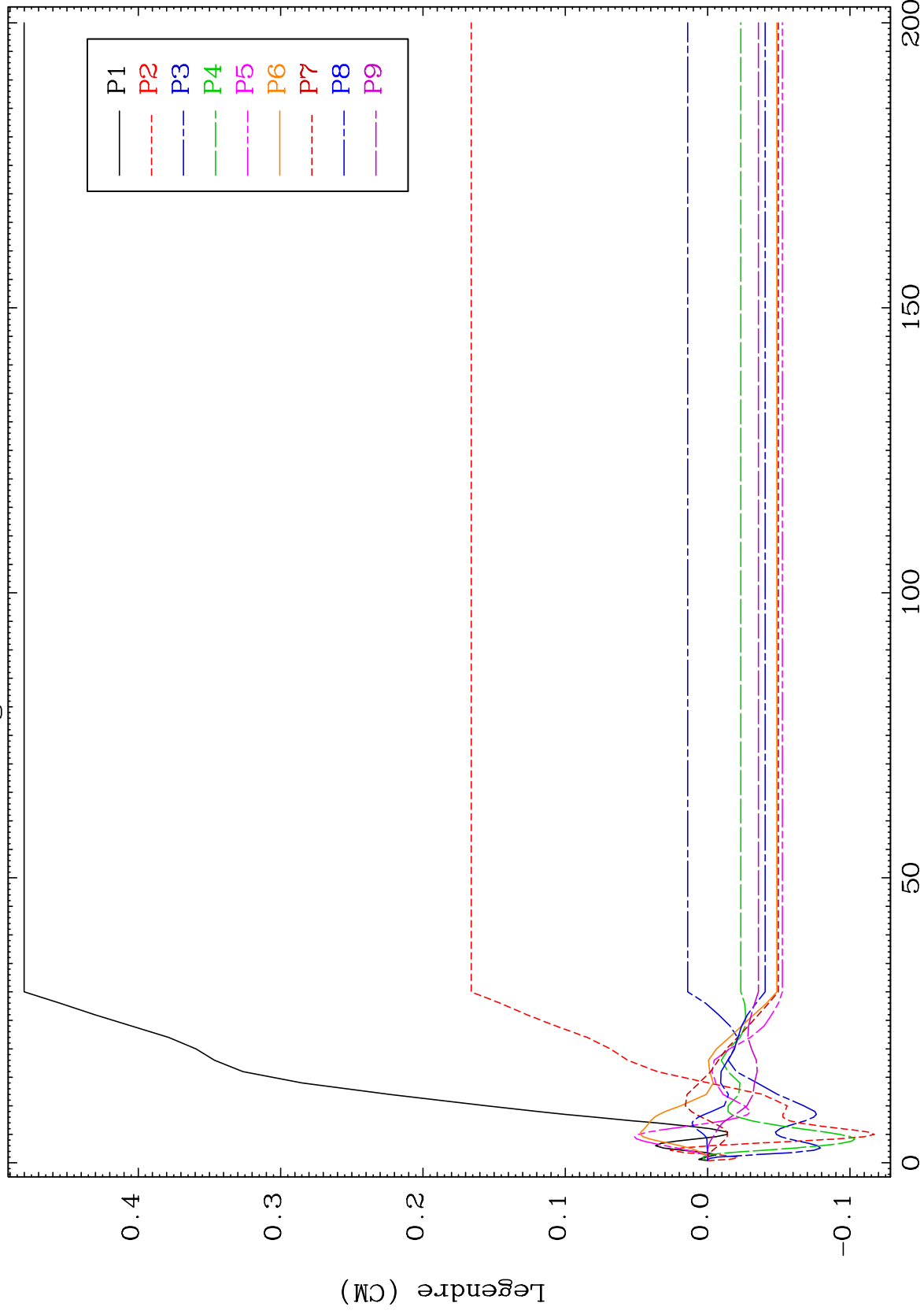




MAT 7104

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

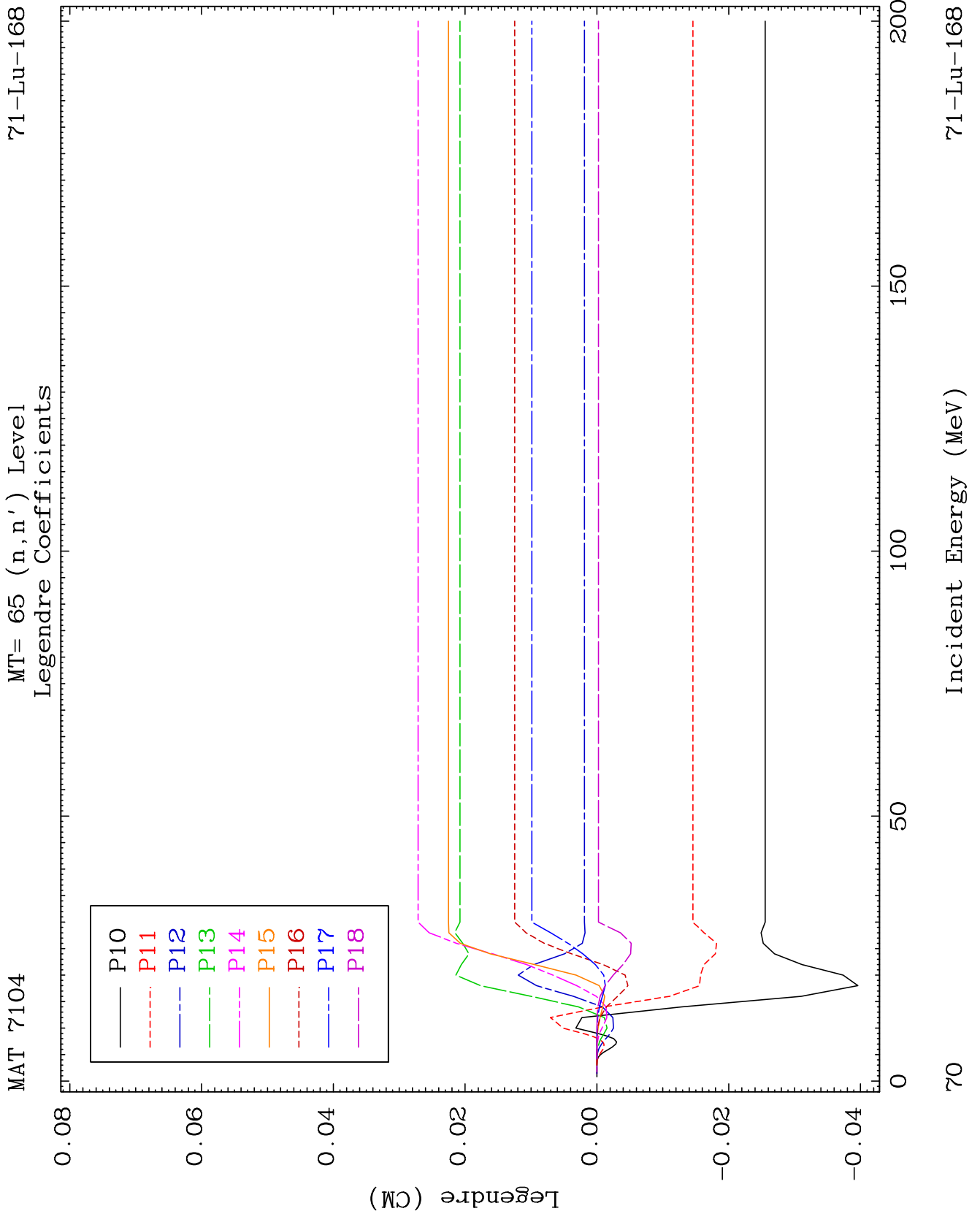
71-Lu-168



71-Lu-168

Incident Energy (MeV)

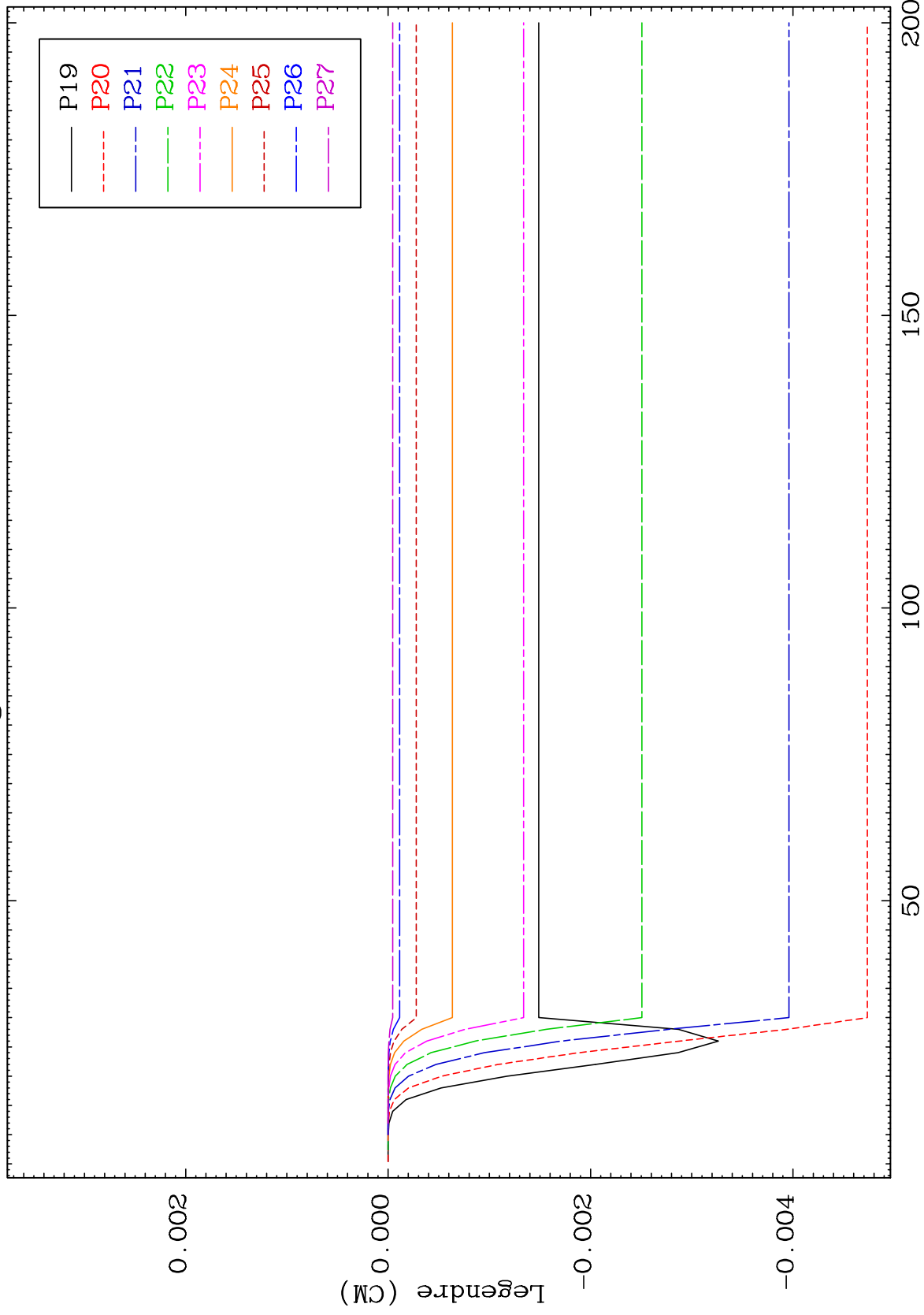
69



MAT 7104

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

71-Lu-168

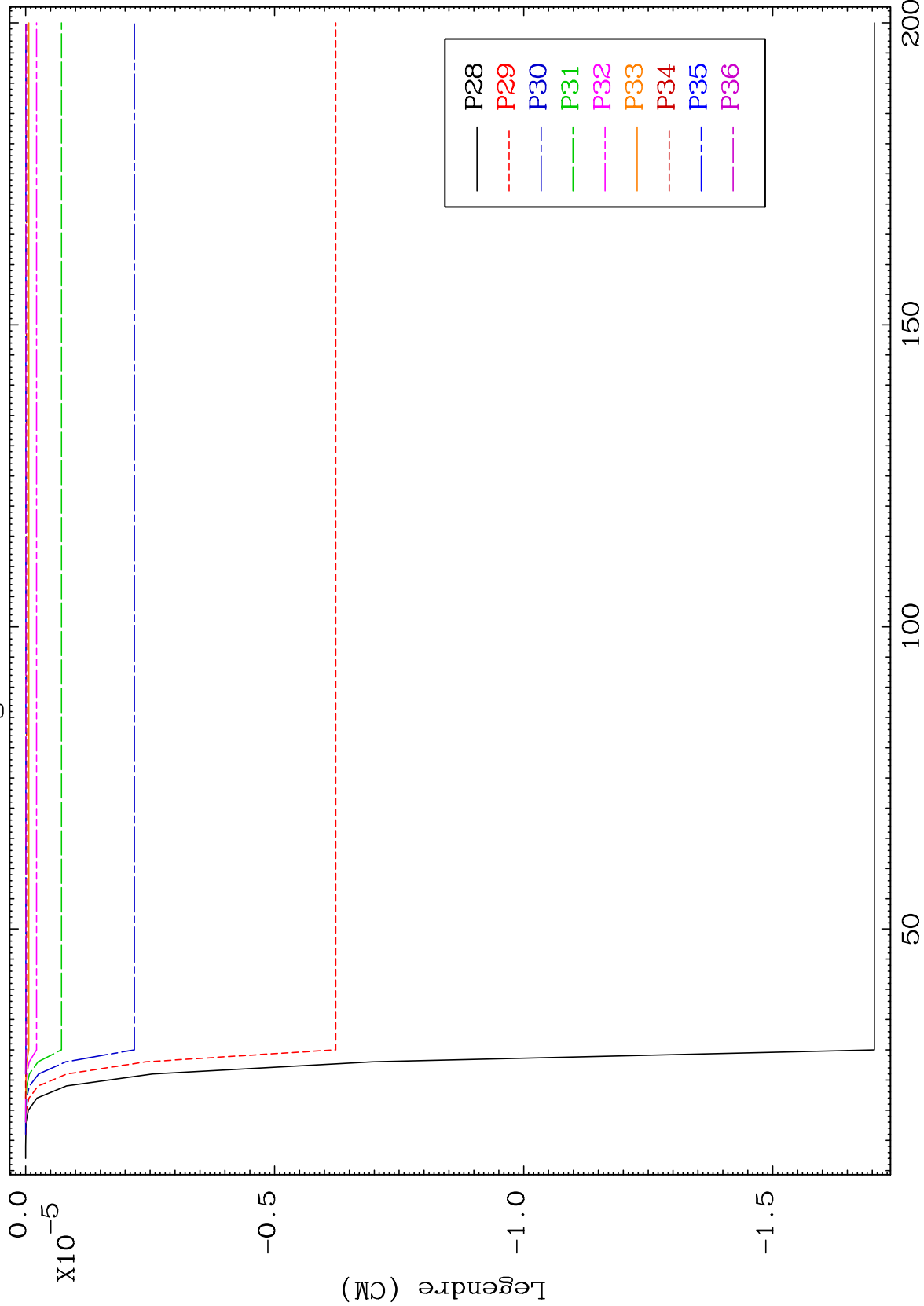


71

Incident Energy (MeV)

71-Lu-168

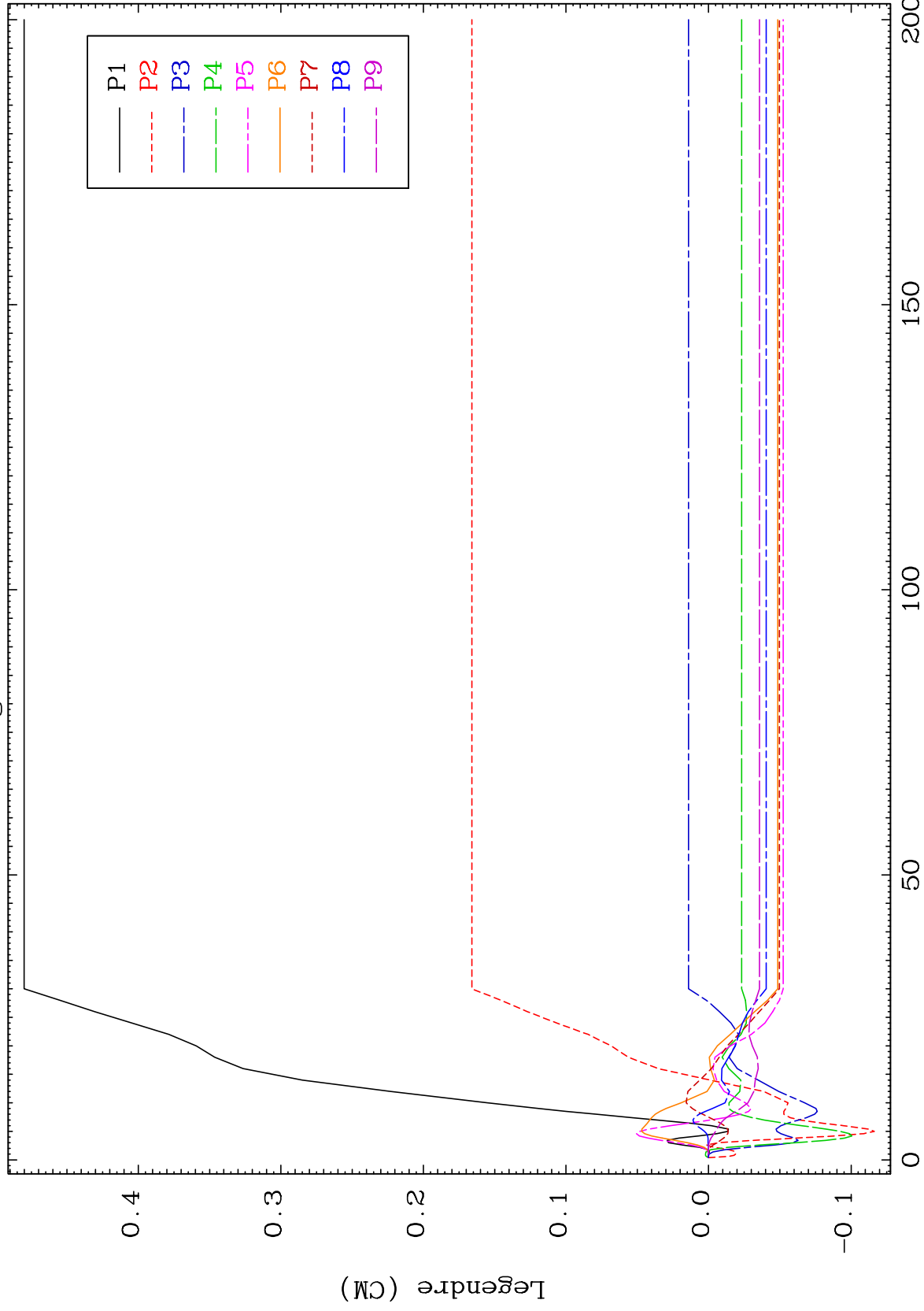




MAT 7104

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

71-Lu-168



71-Lu-168

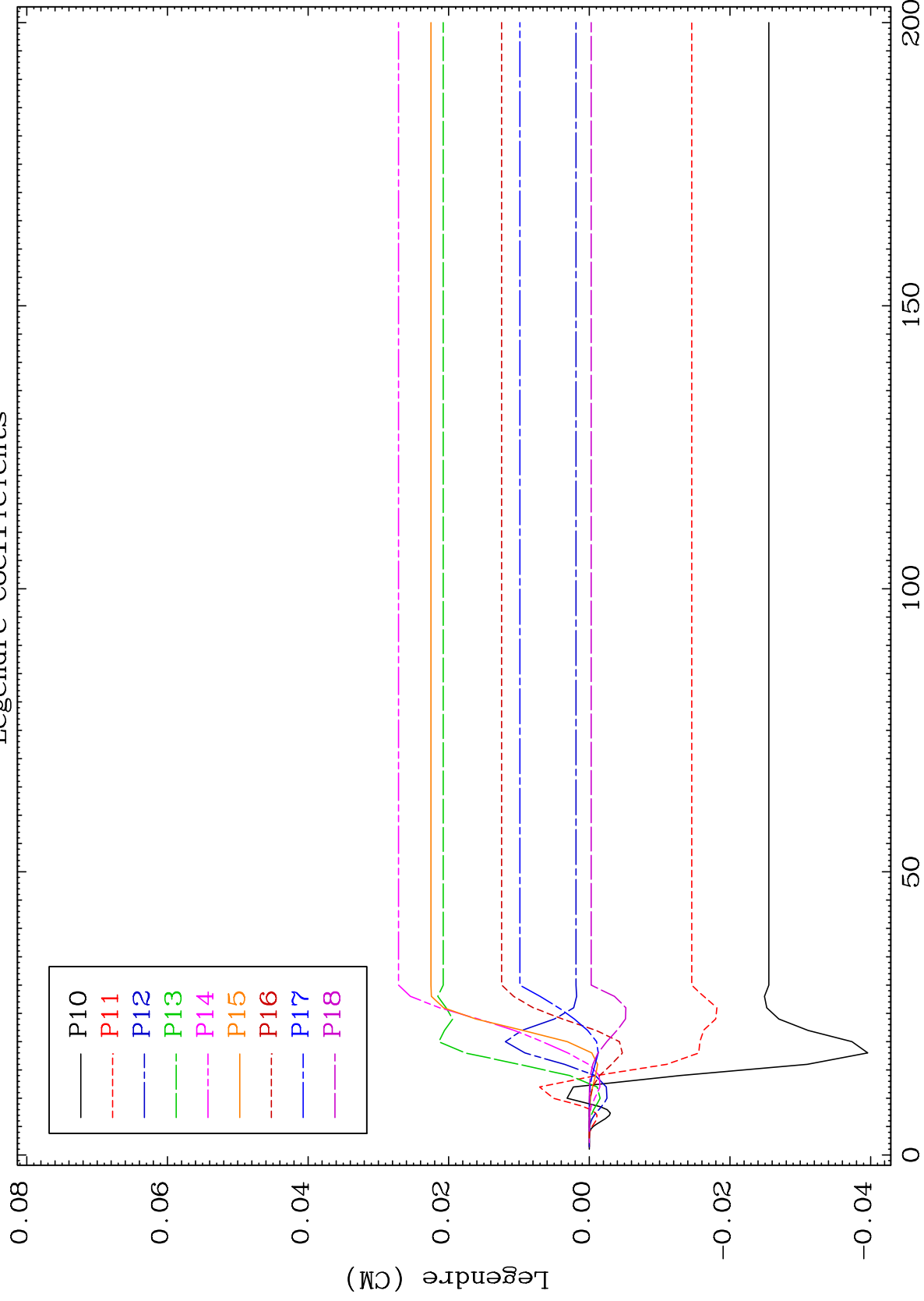
Incident Energy (MeV)

73

MAT 7104

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

71-Lu-168



74

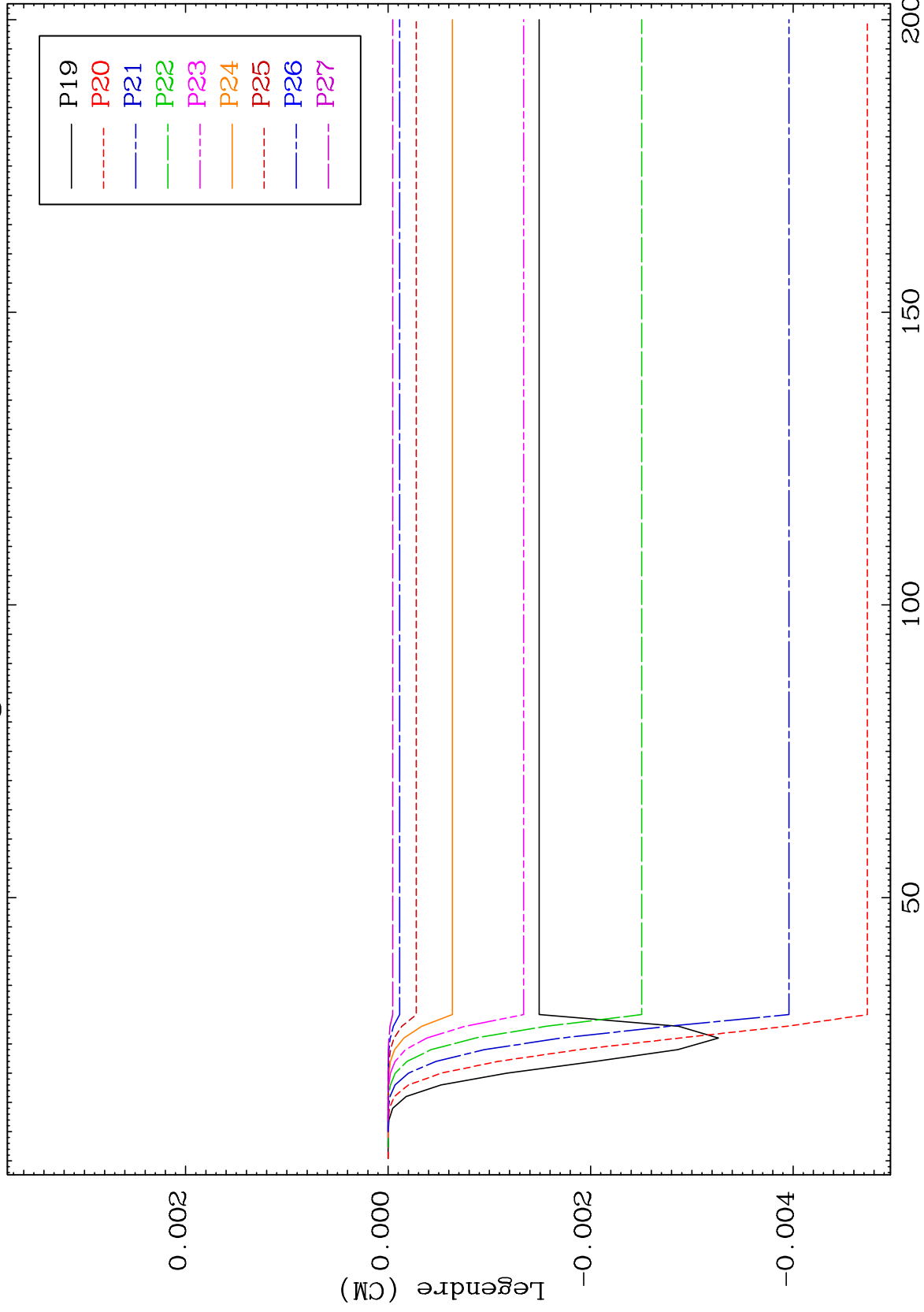
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

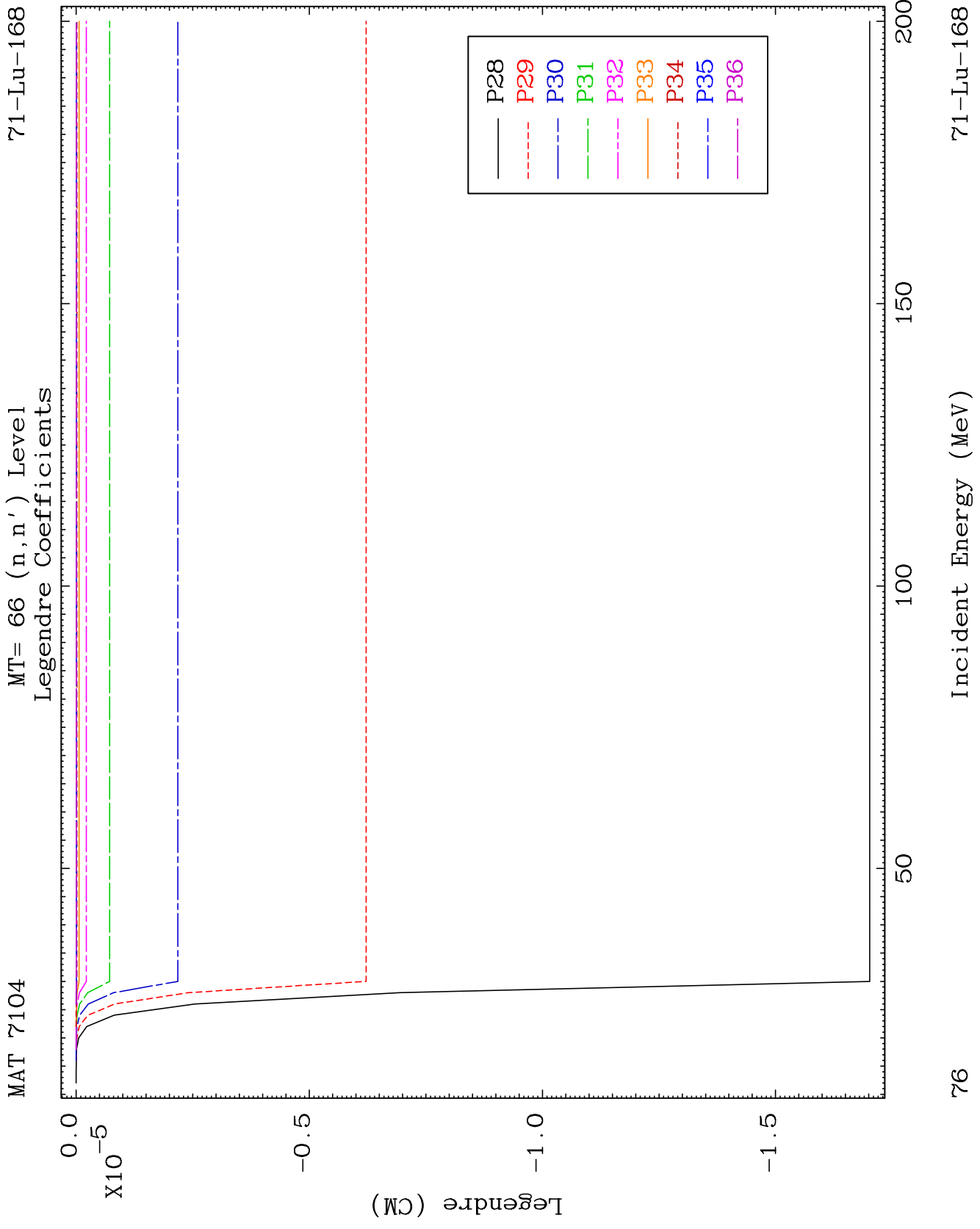
71-Lu-168



75

Incident Energy (MeV)

71-Lu-168



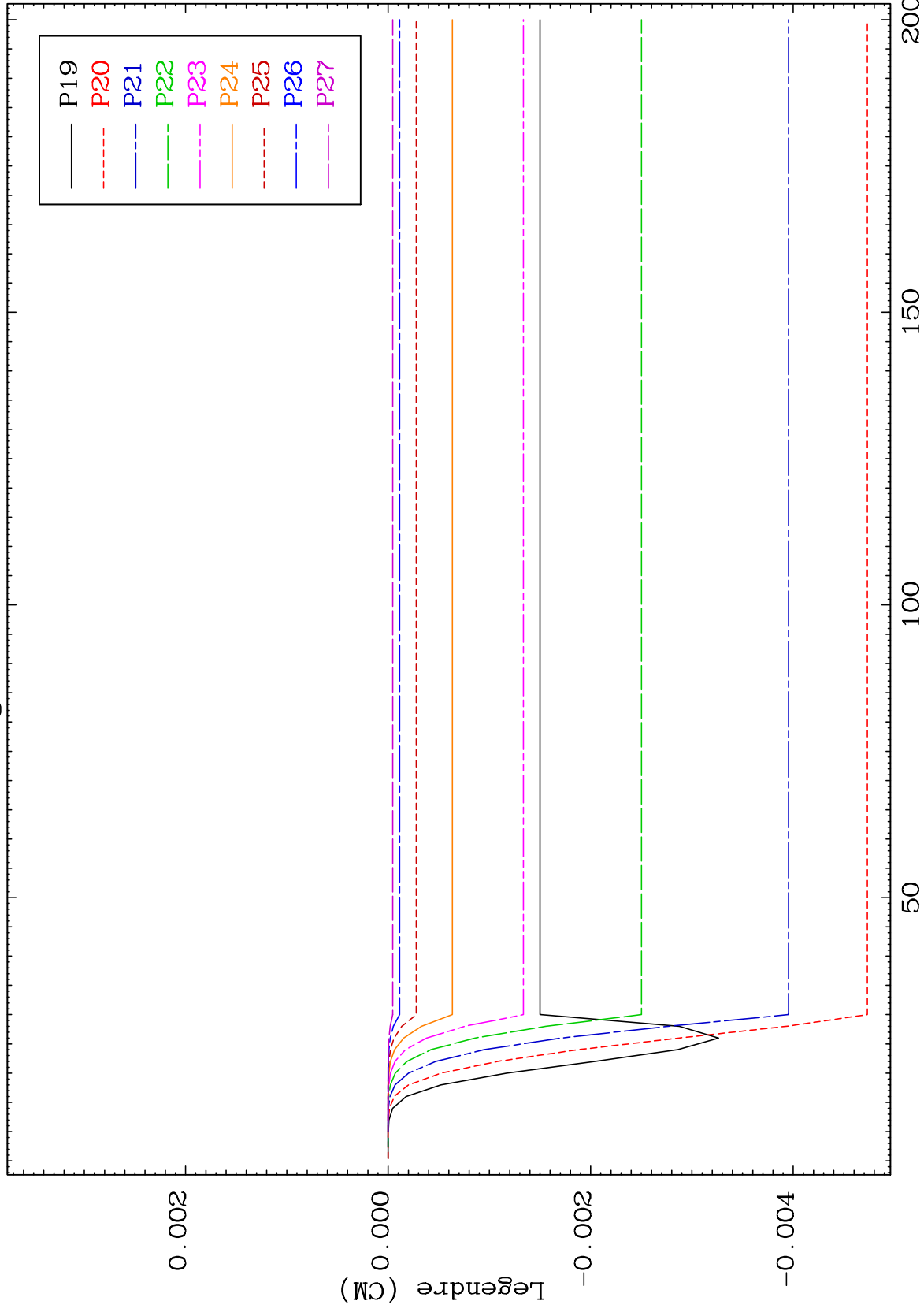




MAT 7104

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

71-Lu-168

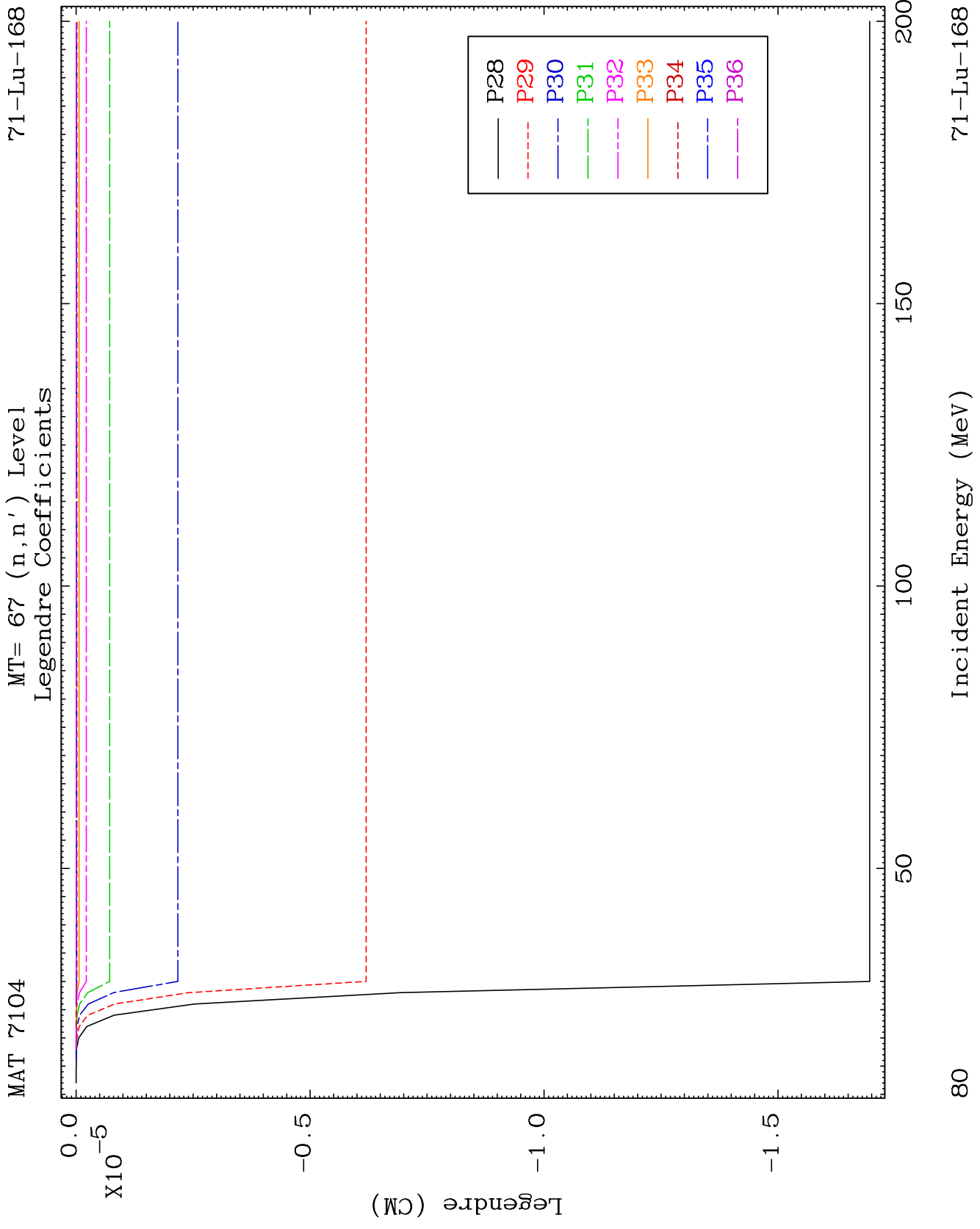


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Incident Energy (MeV)

71-Lu-168

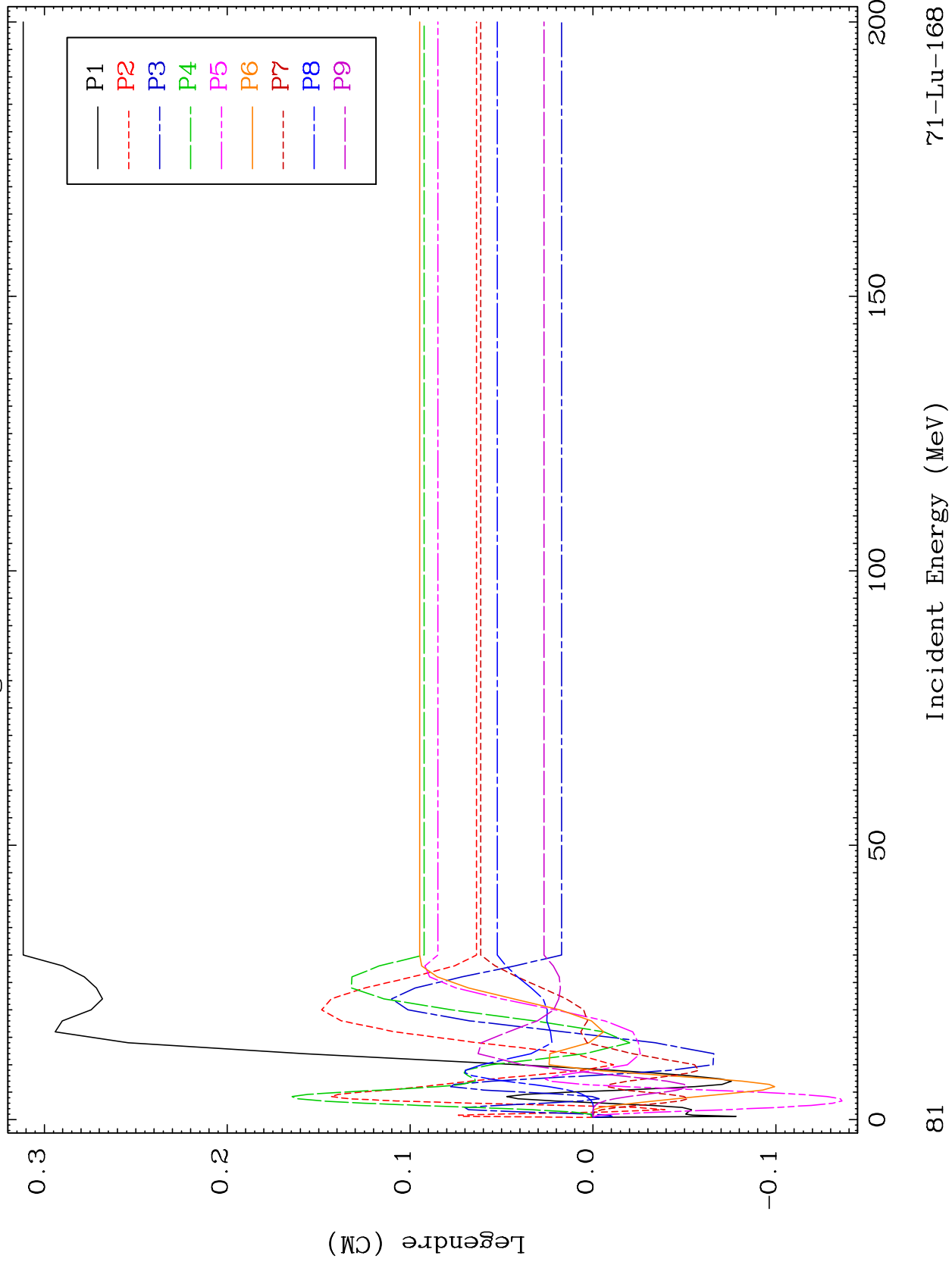




MAT 7104

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

71-Lu-168



71-Lu-168

Incident Energy (MeV)

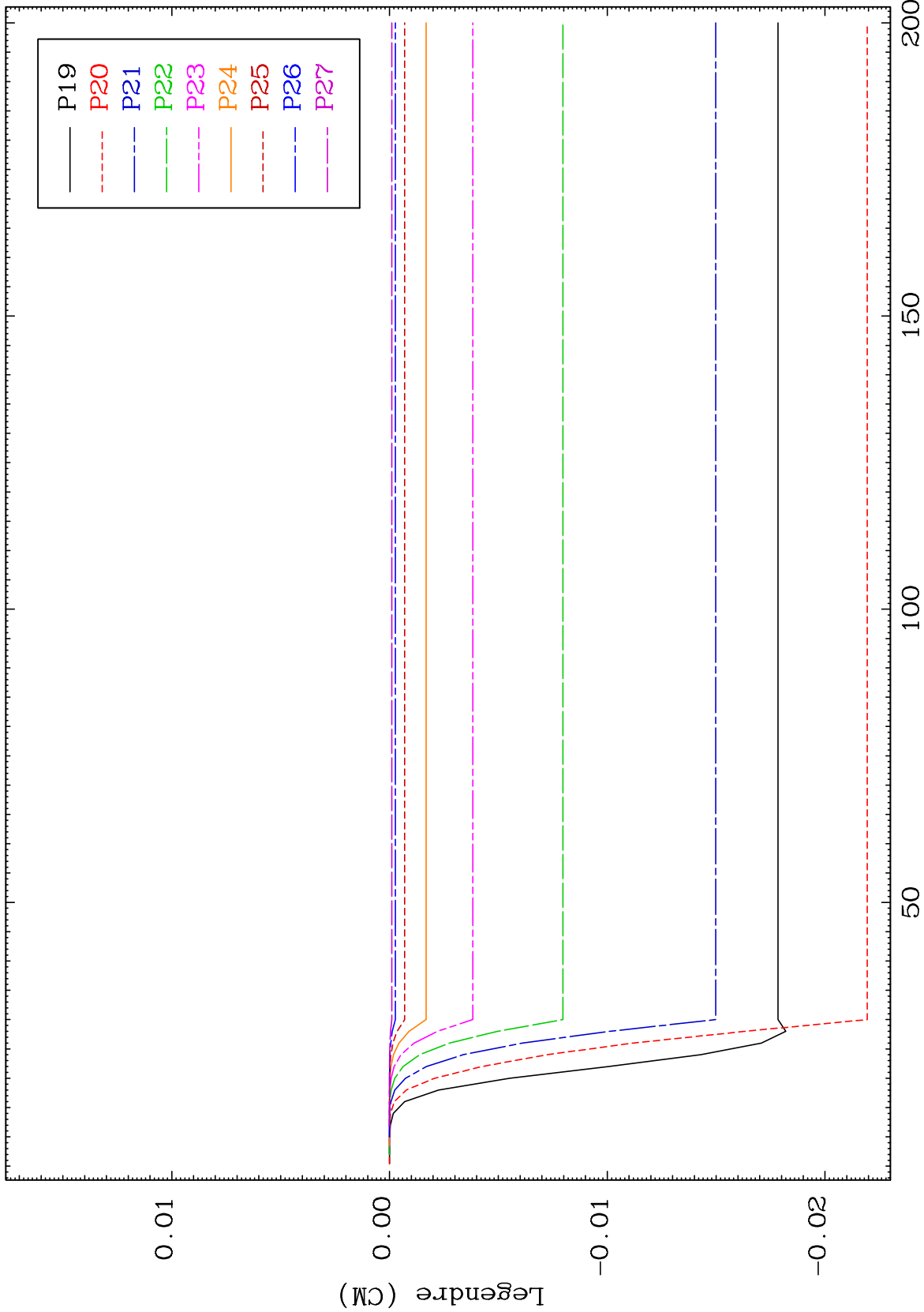
81



MAT 7104

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

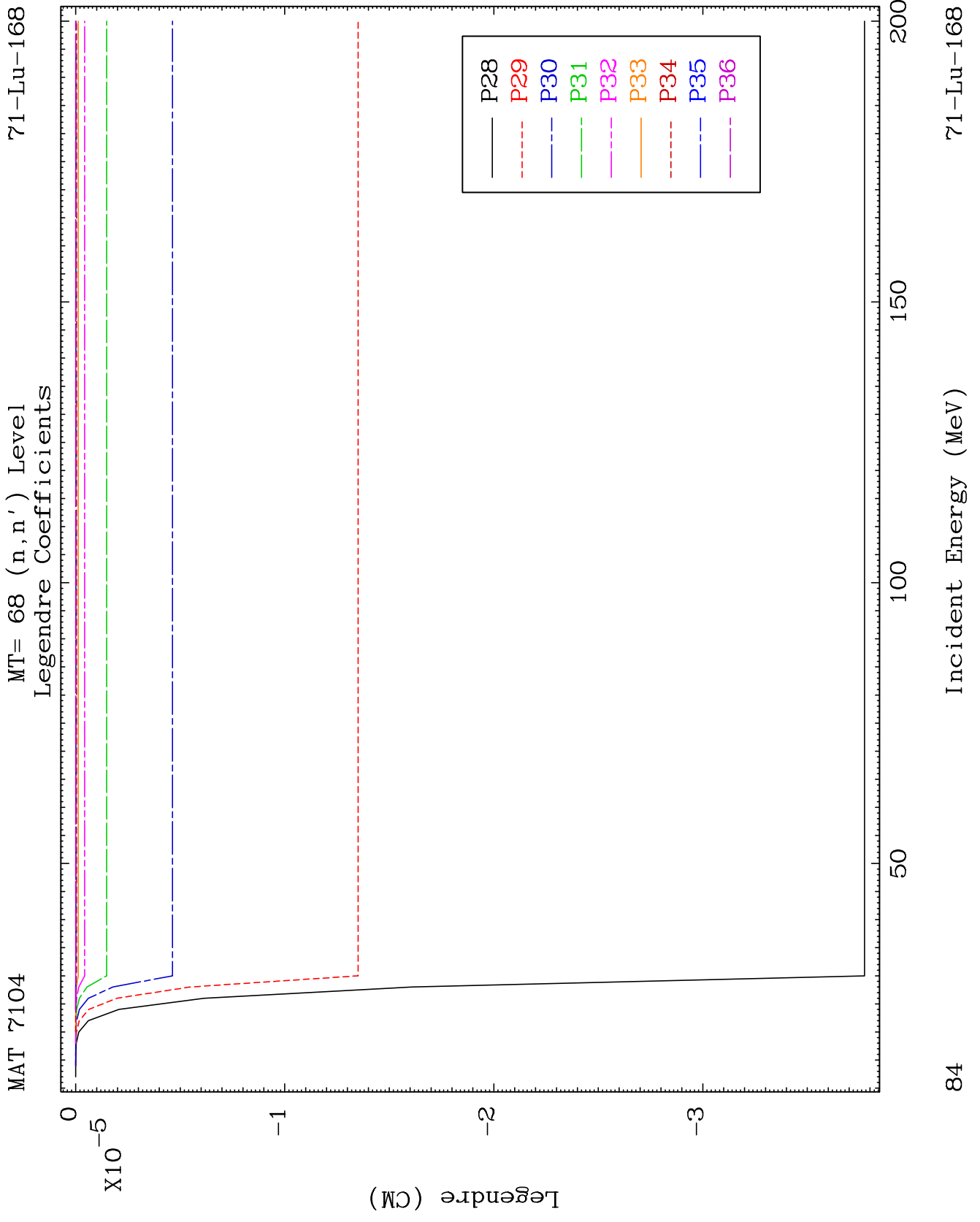
71-Lu-168

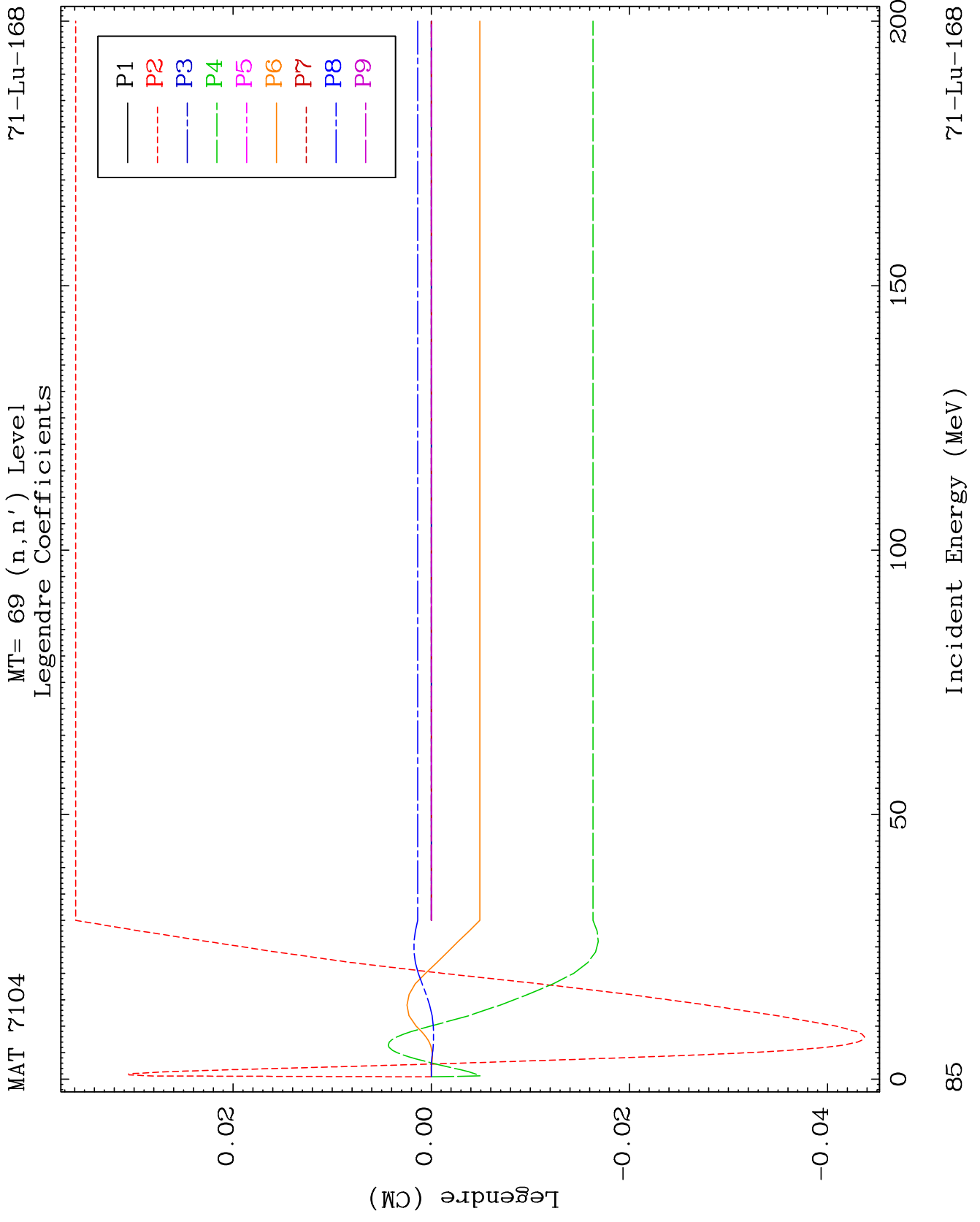


83

Incident Energy (MeV)

71-Lu-168

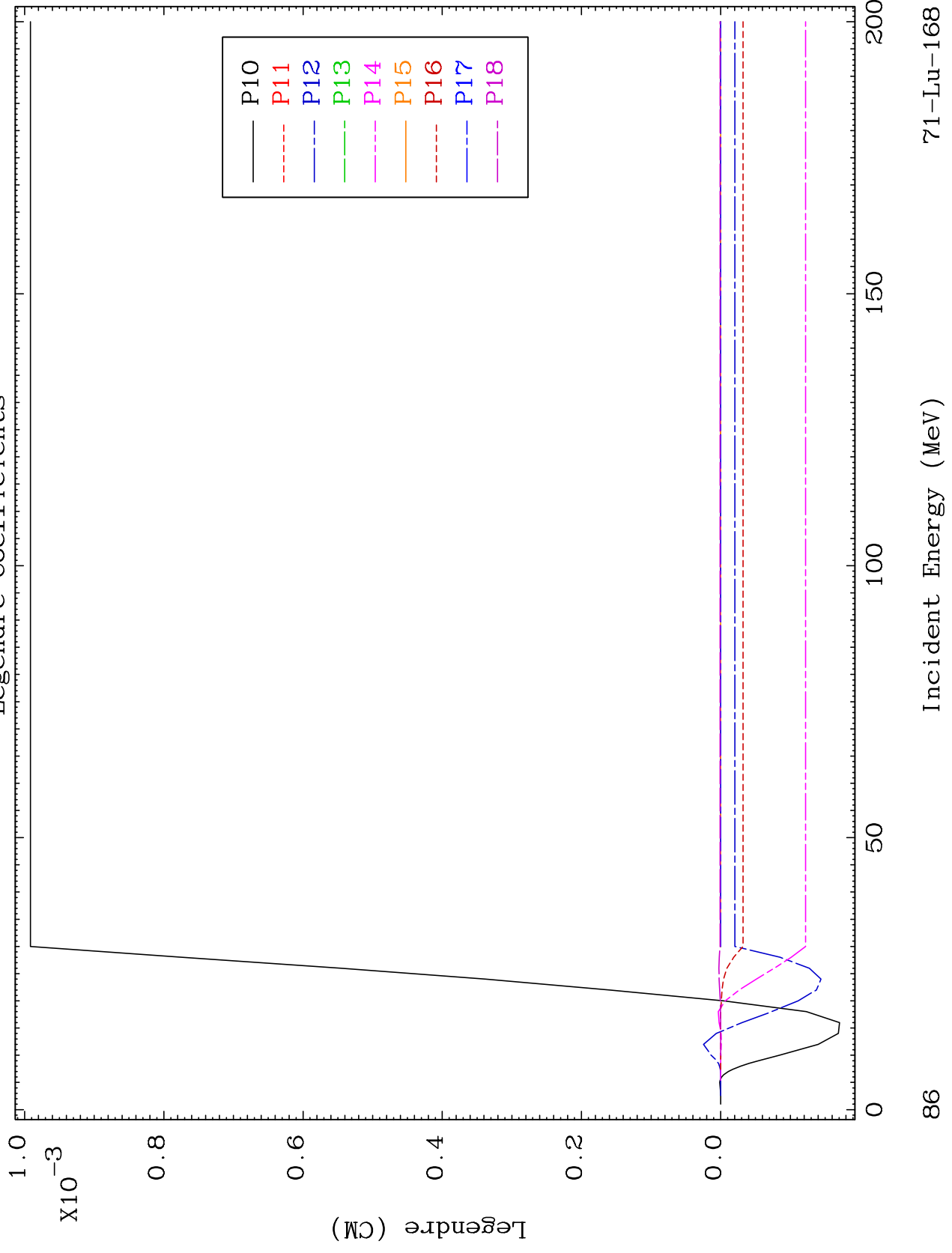




MAT 7104

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

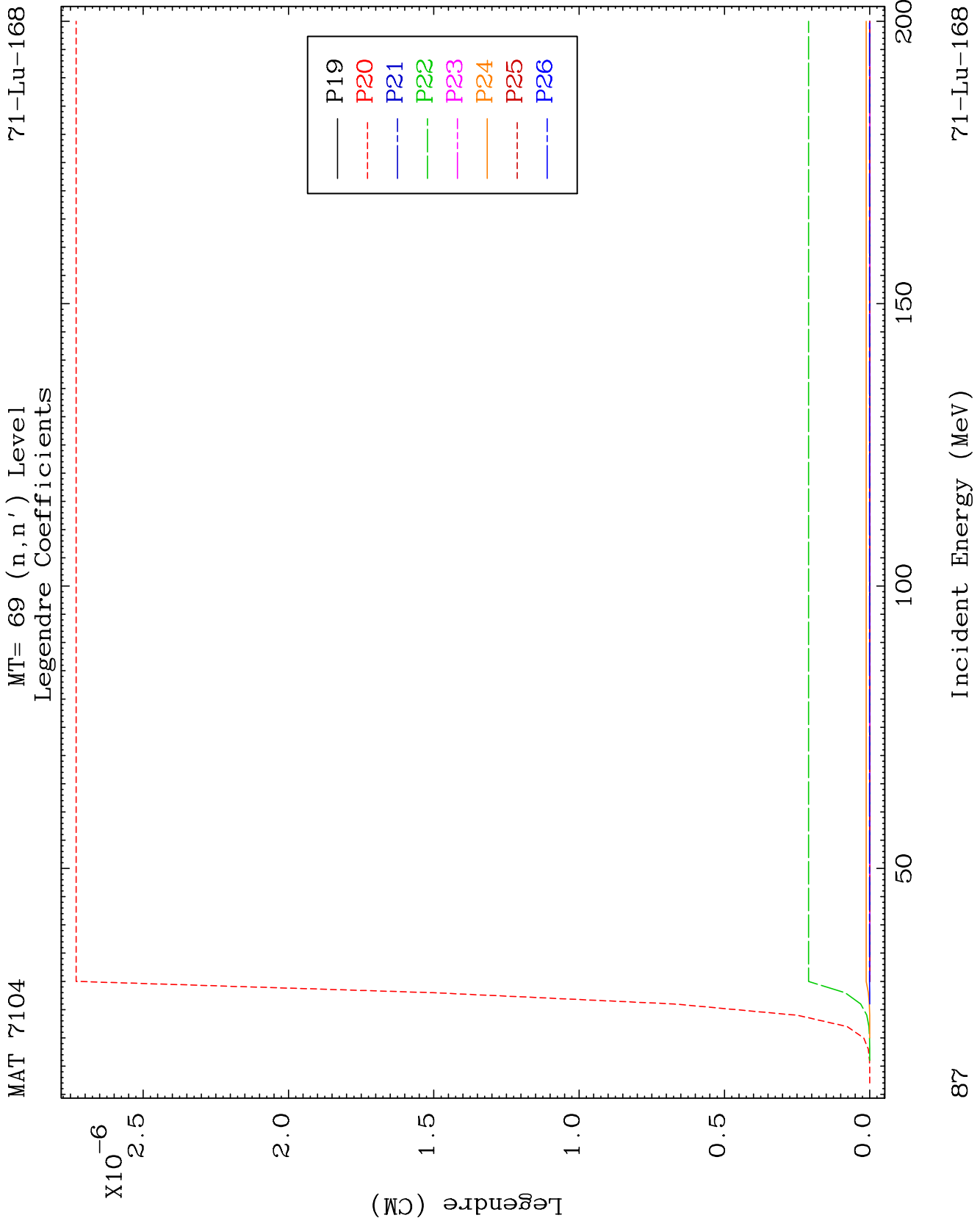
71-Lu-168



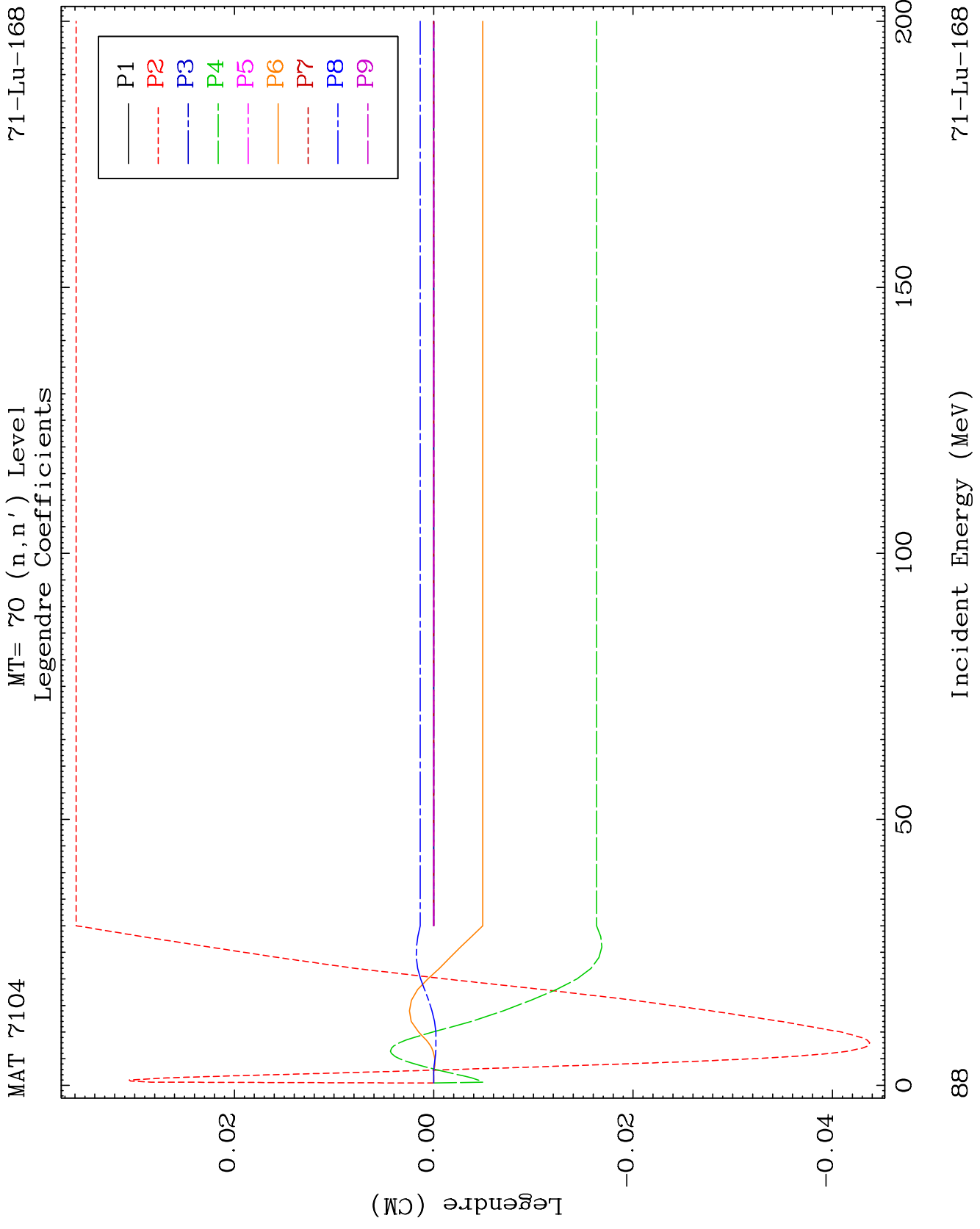
86

Incident Energy (MeV)

71-Lu-168



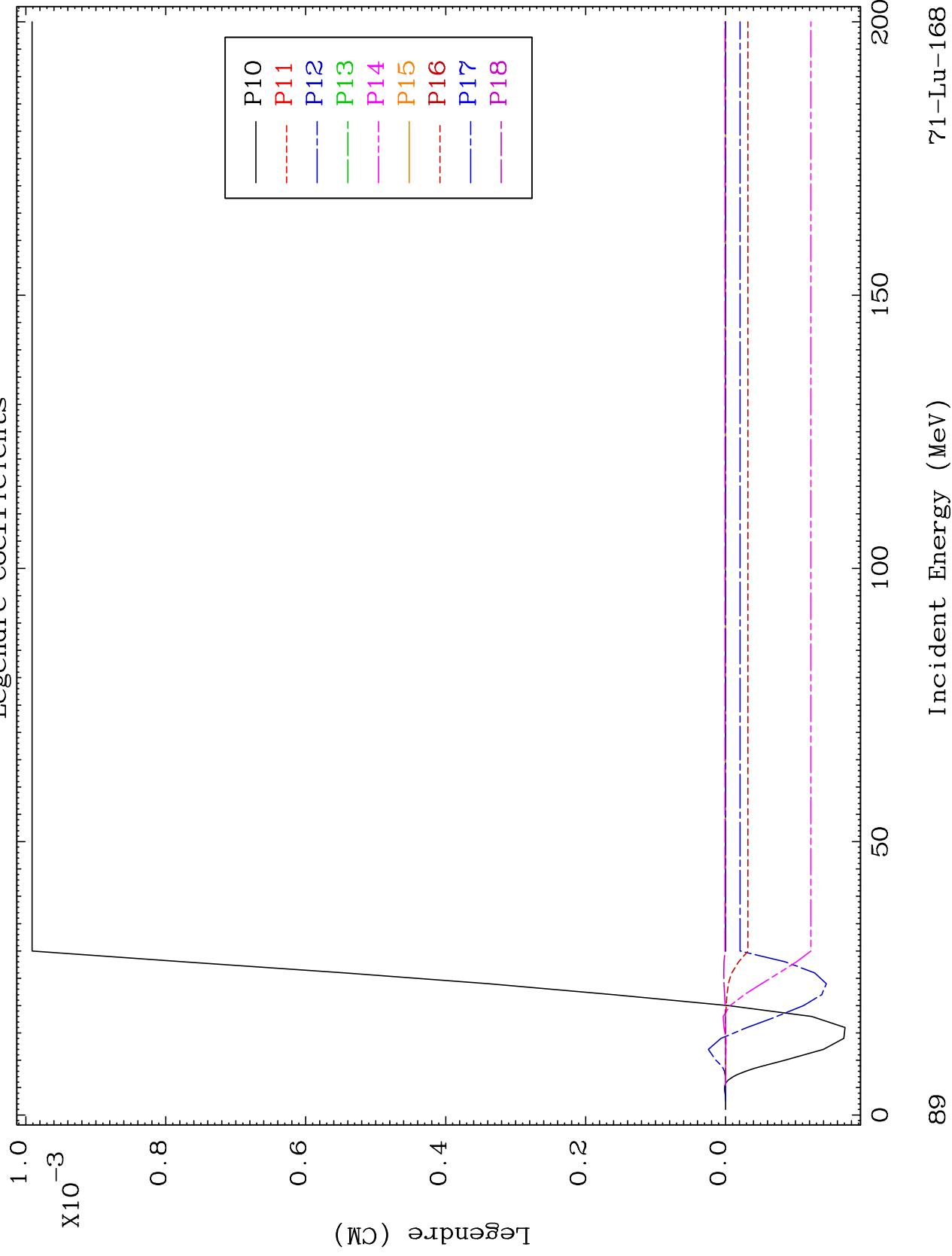




MAT 7104

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

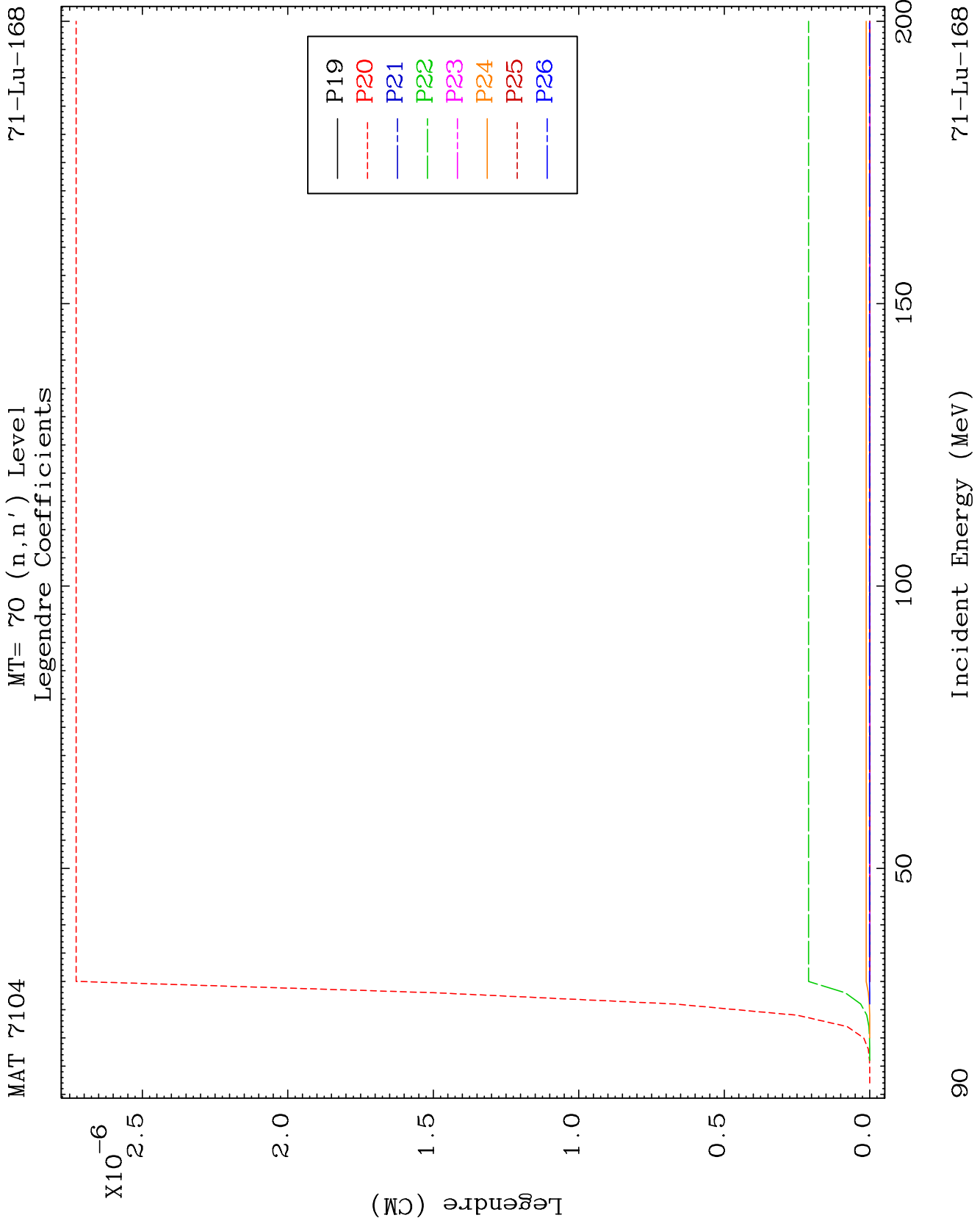
71-Lu-168



71-Lu-168

Incident Energy (MeV)

89

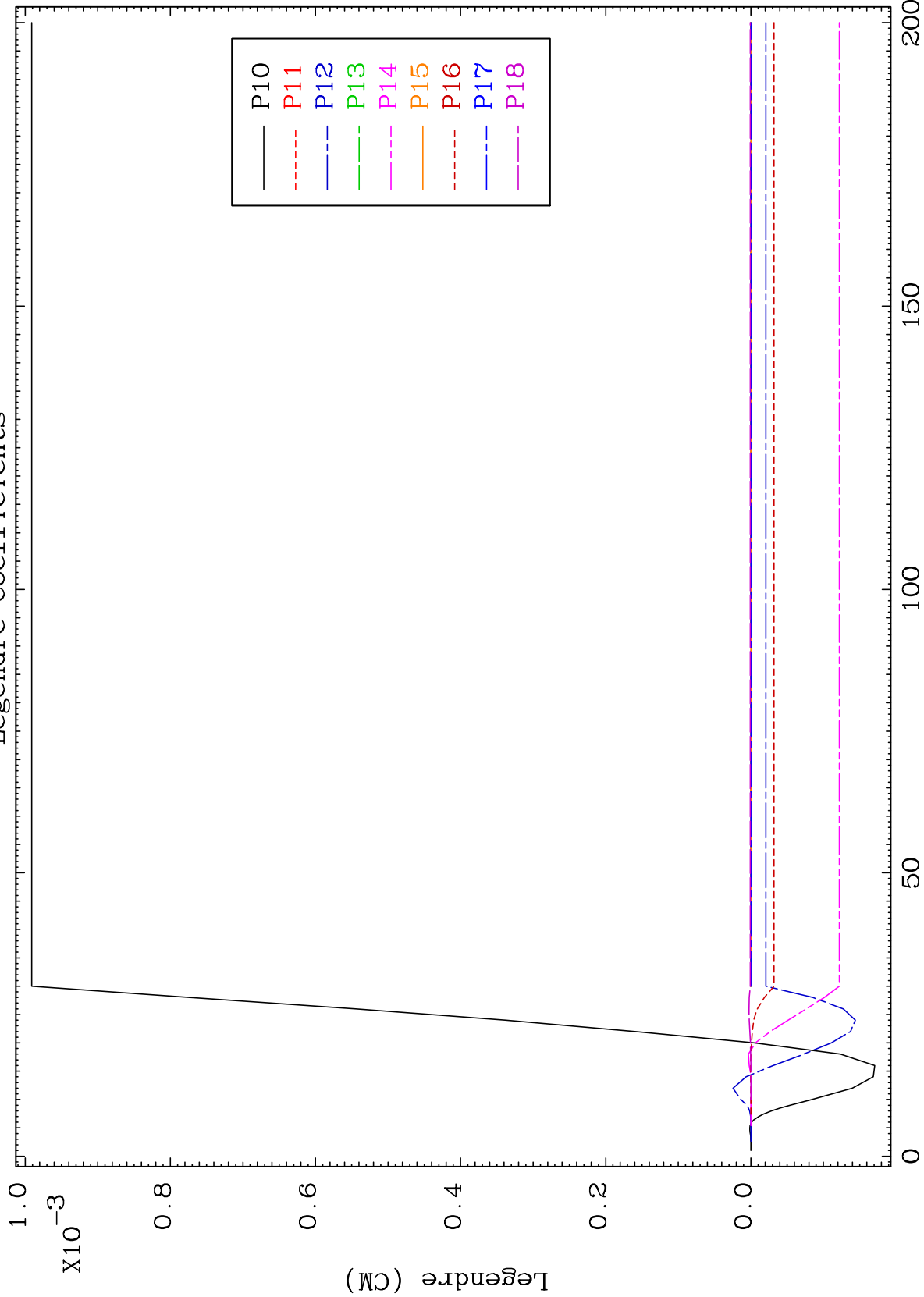




MAT 7104

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

71-Lu-168



92

Incident Energy (MeV)

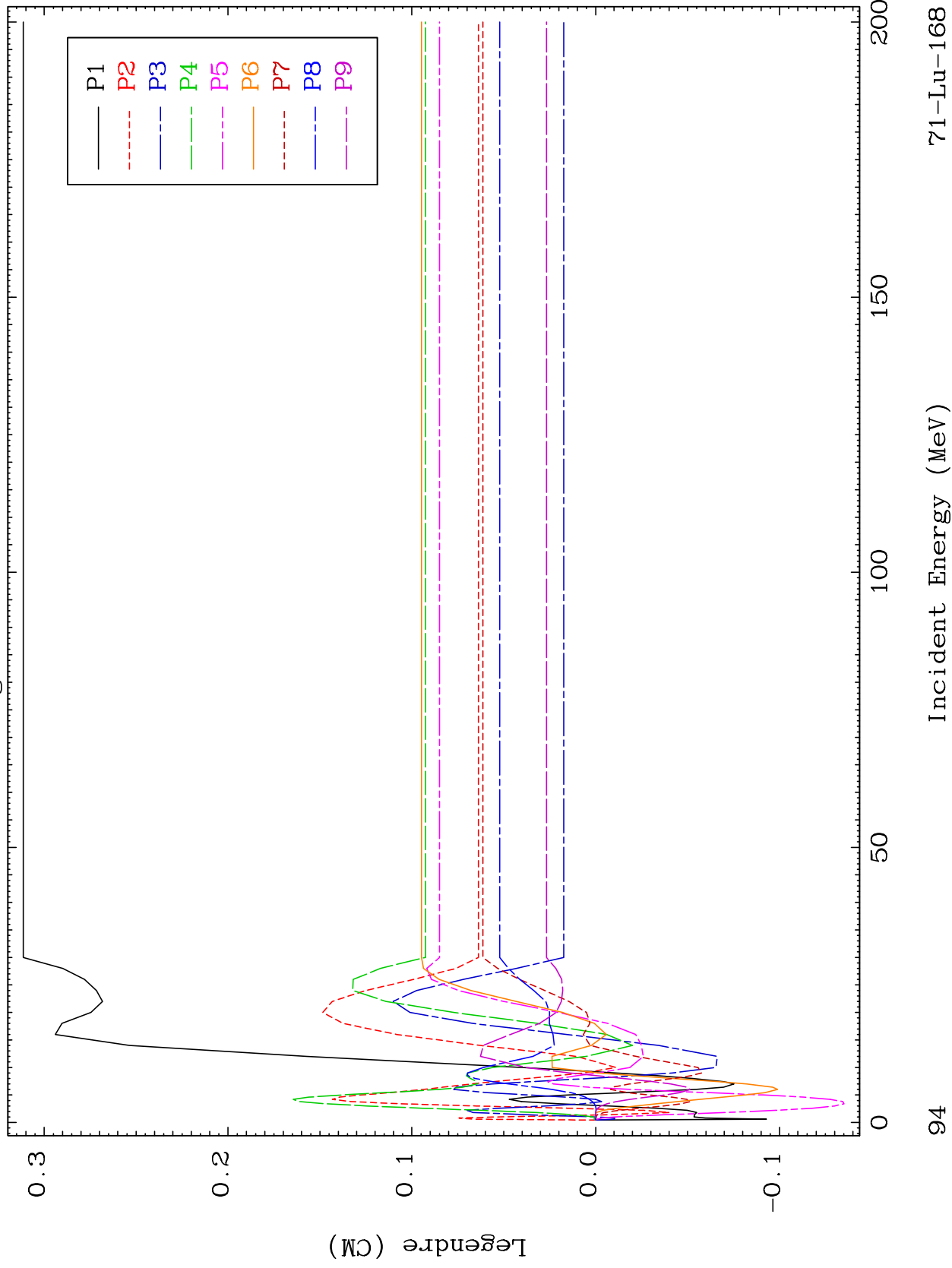
71-Lu-168



MAT 7104

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

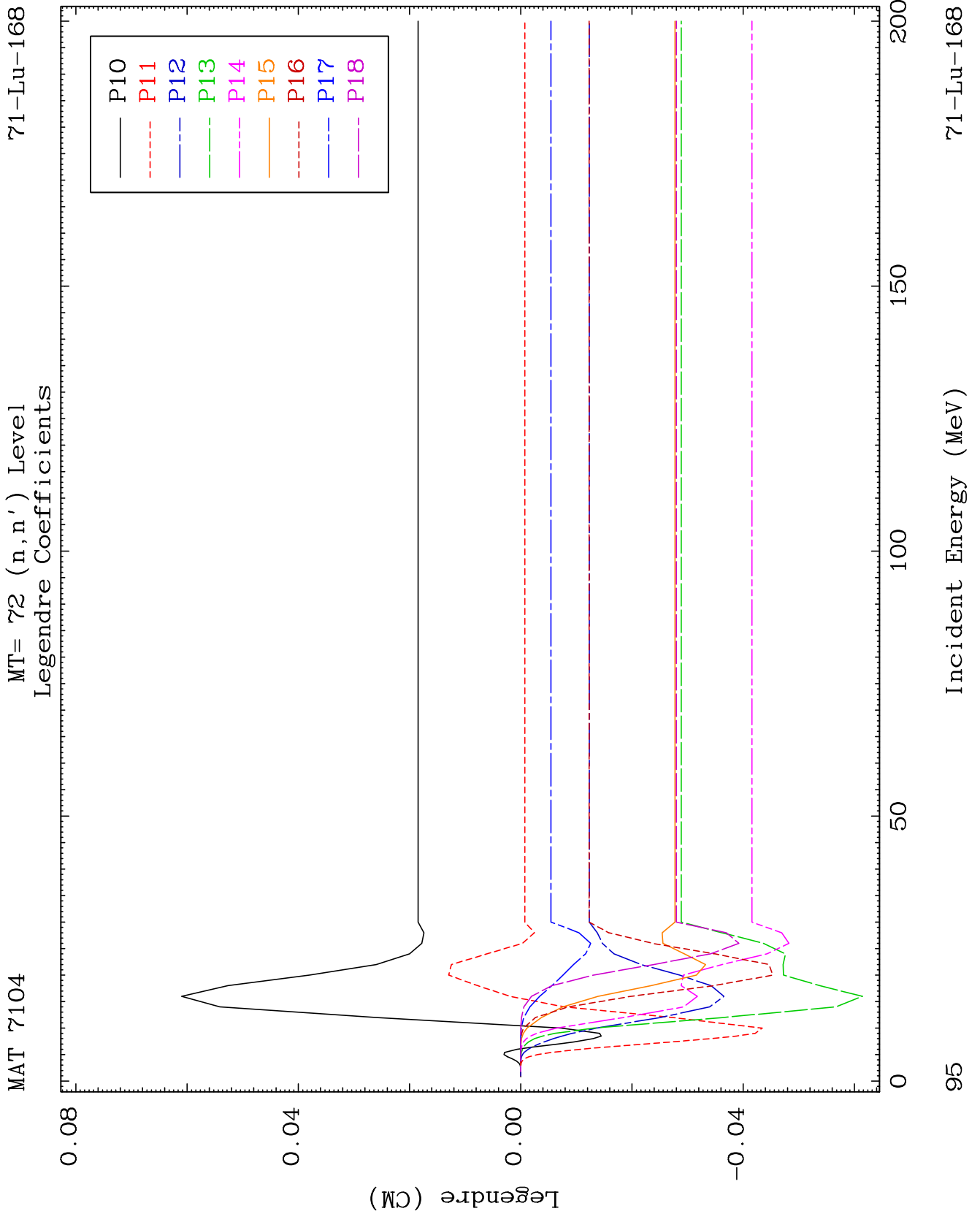
71-Lu-168



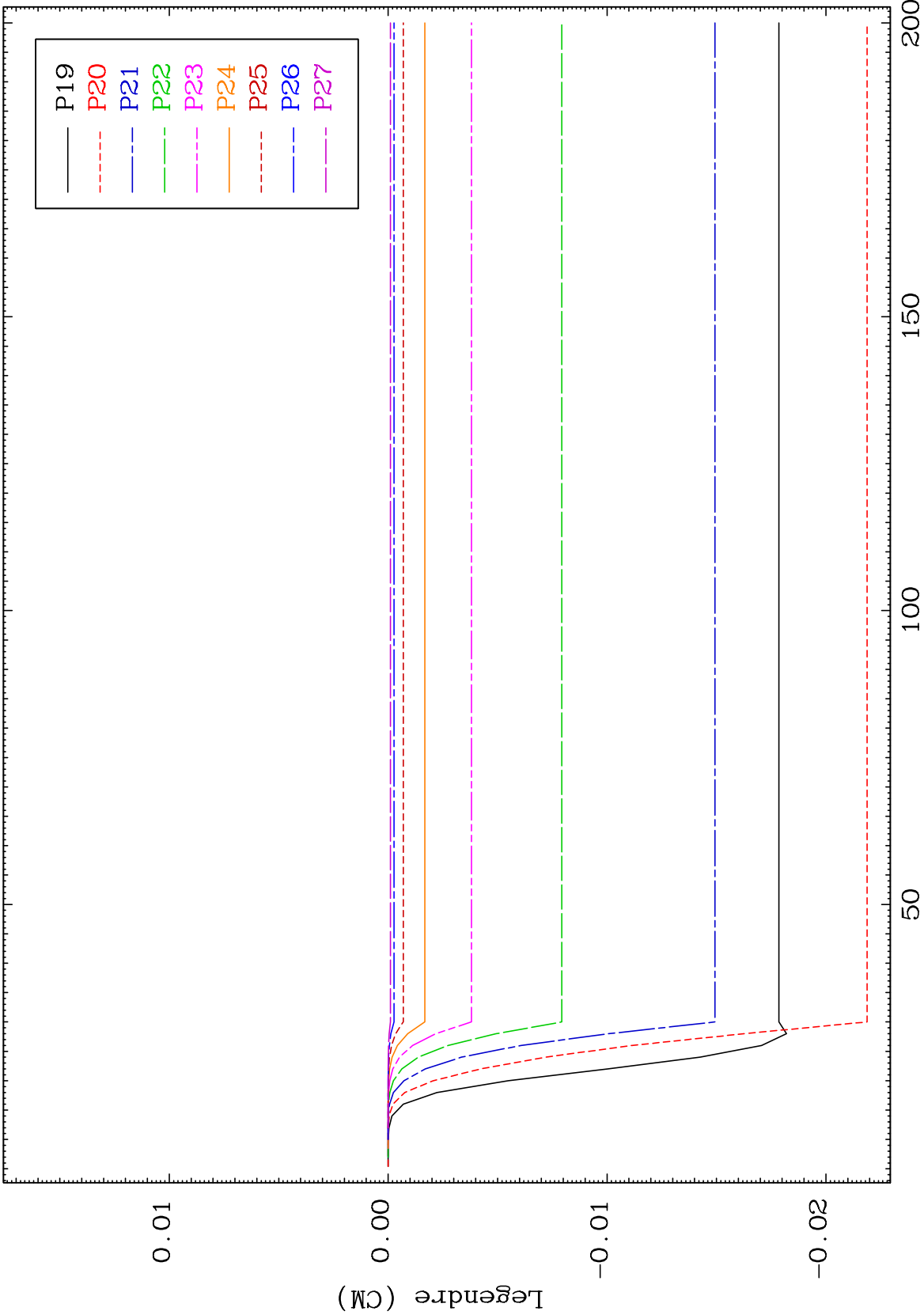
71-Lu-168

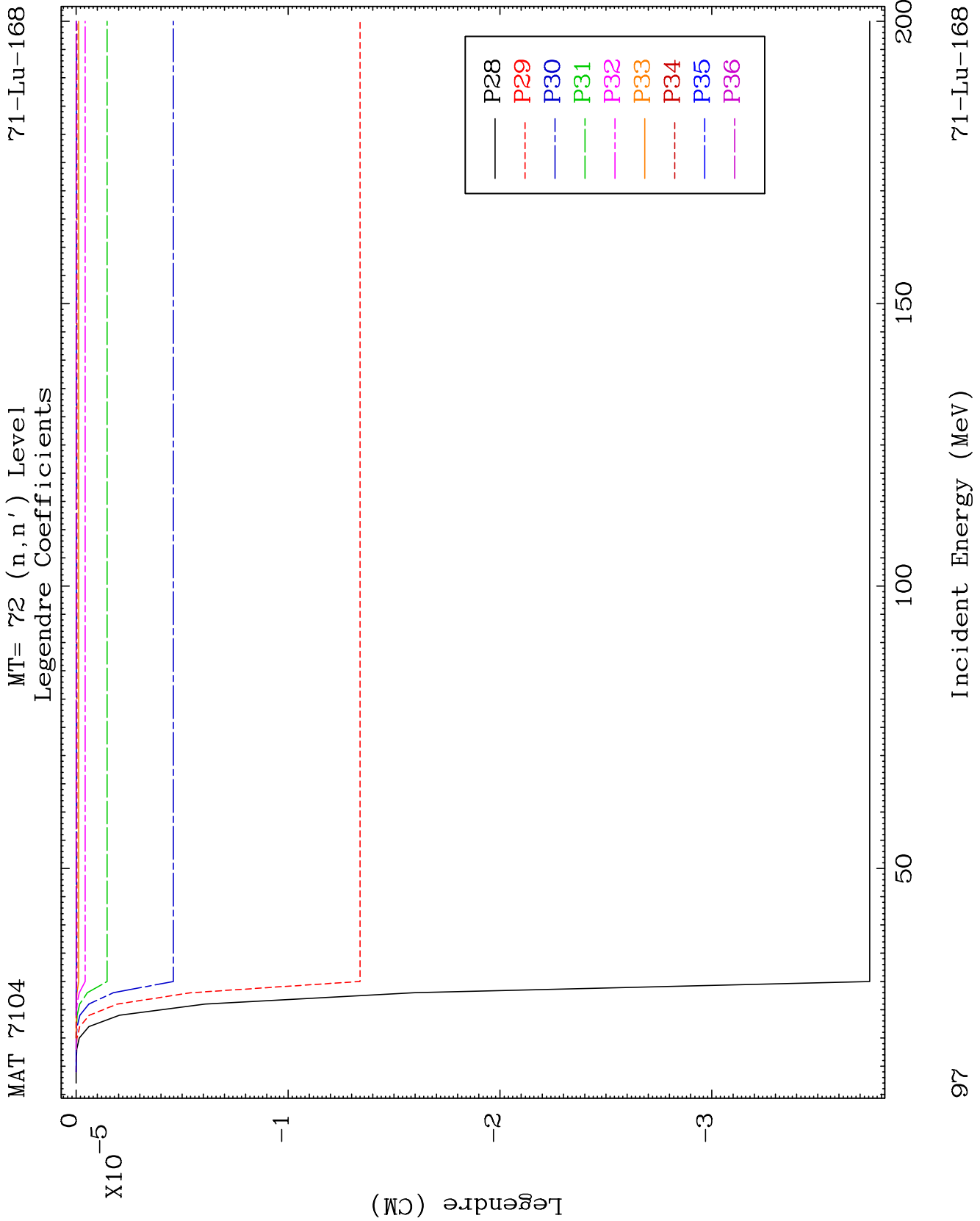
Incident Energy (MeV)

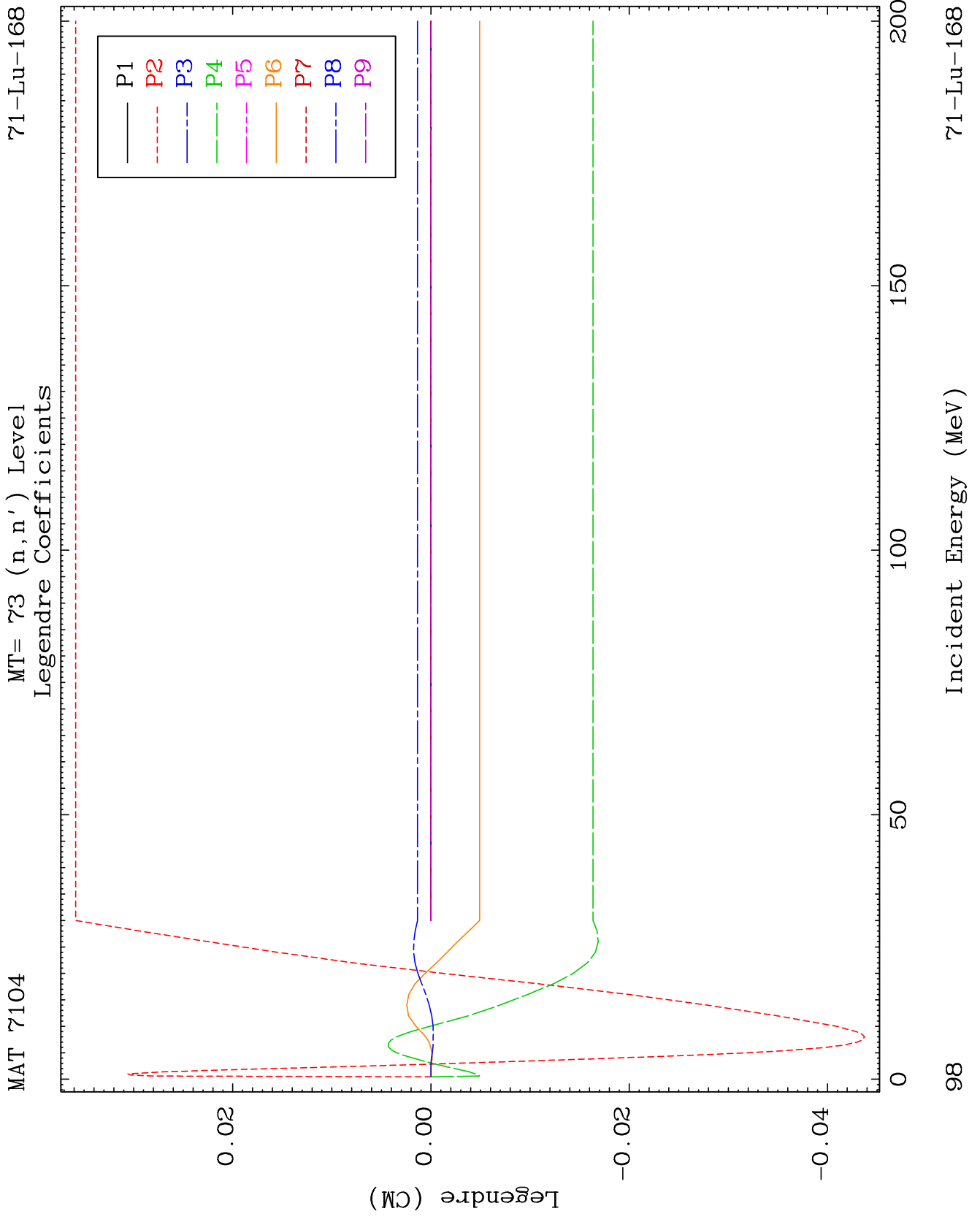
94







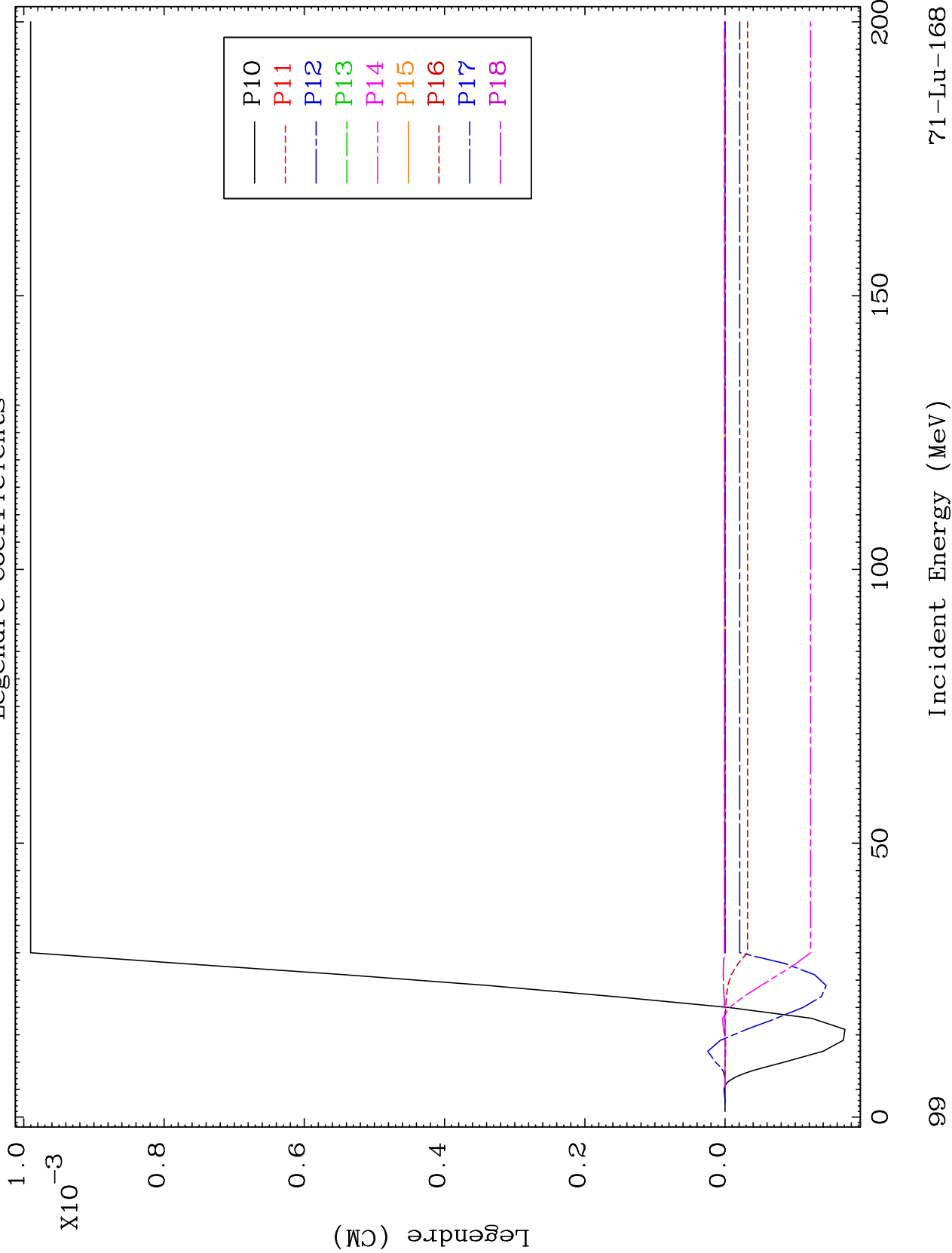




MAT 7104

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

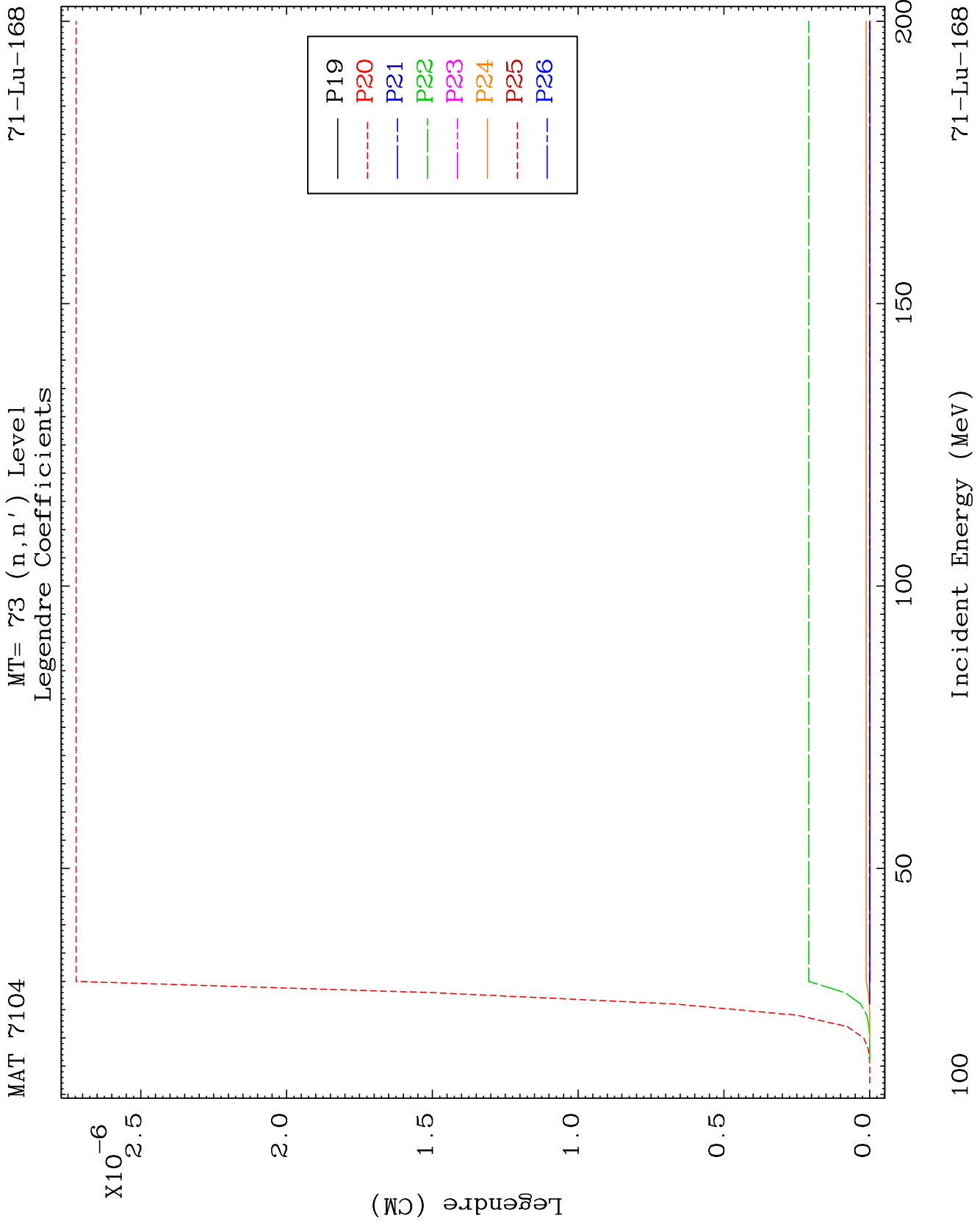
71-Lu-168

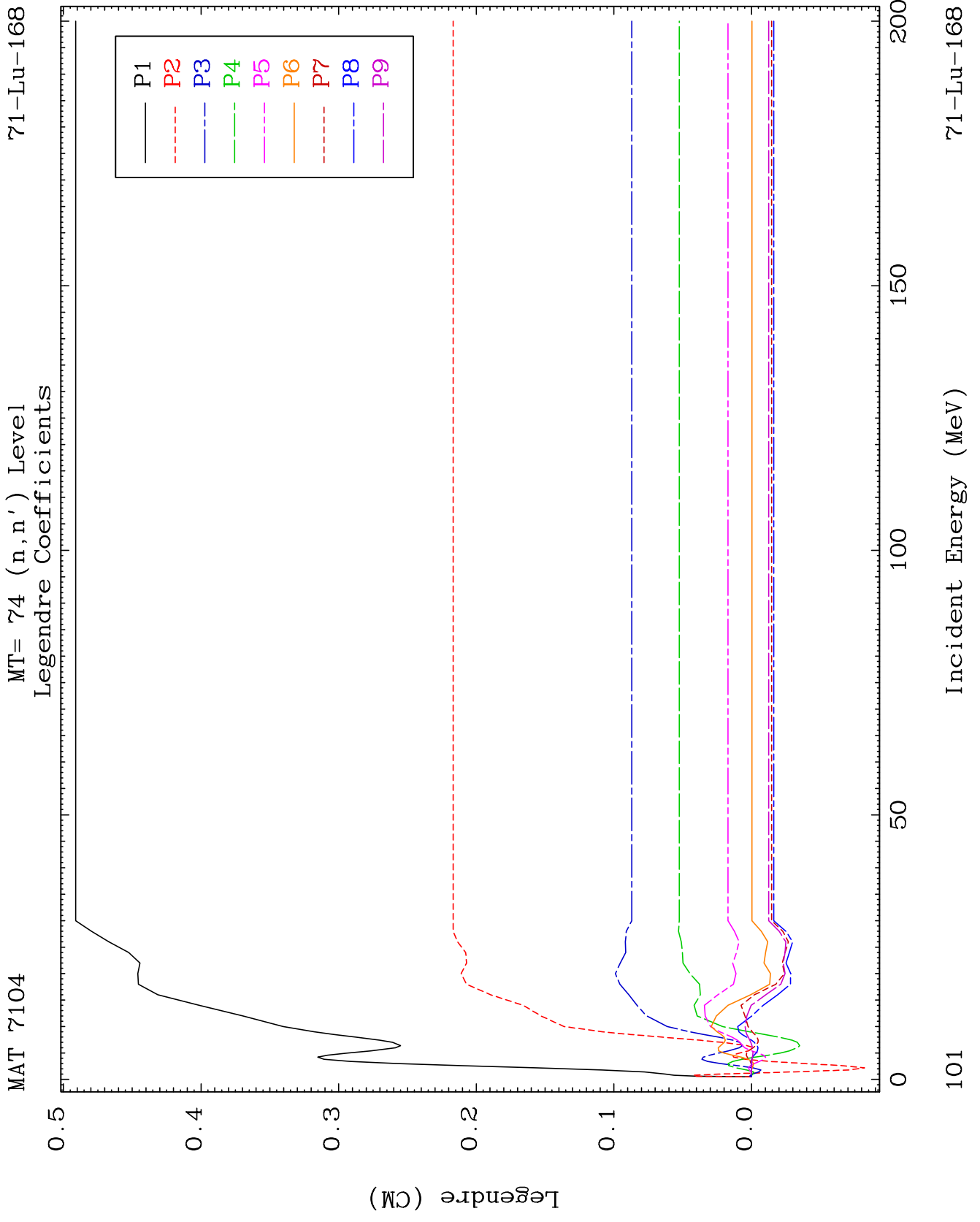


71-Lu-168

Incident Energy (MeV)

99

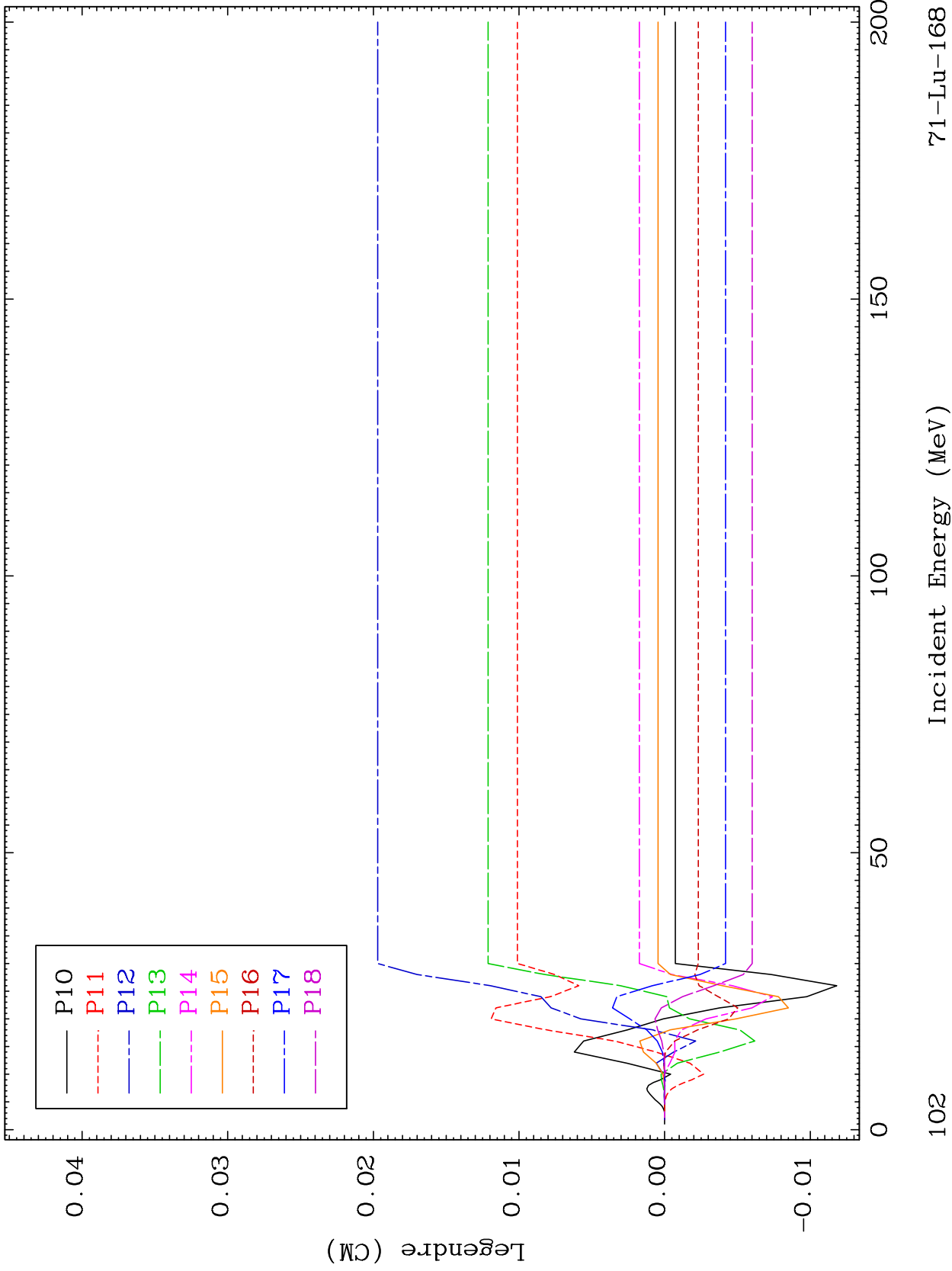




MAT 7104

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

71-Lu-168



102

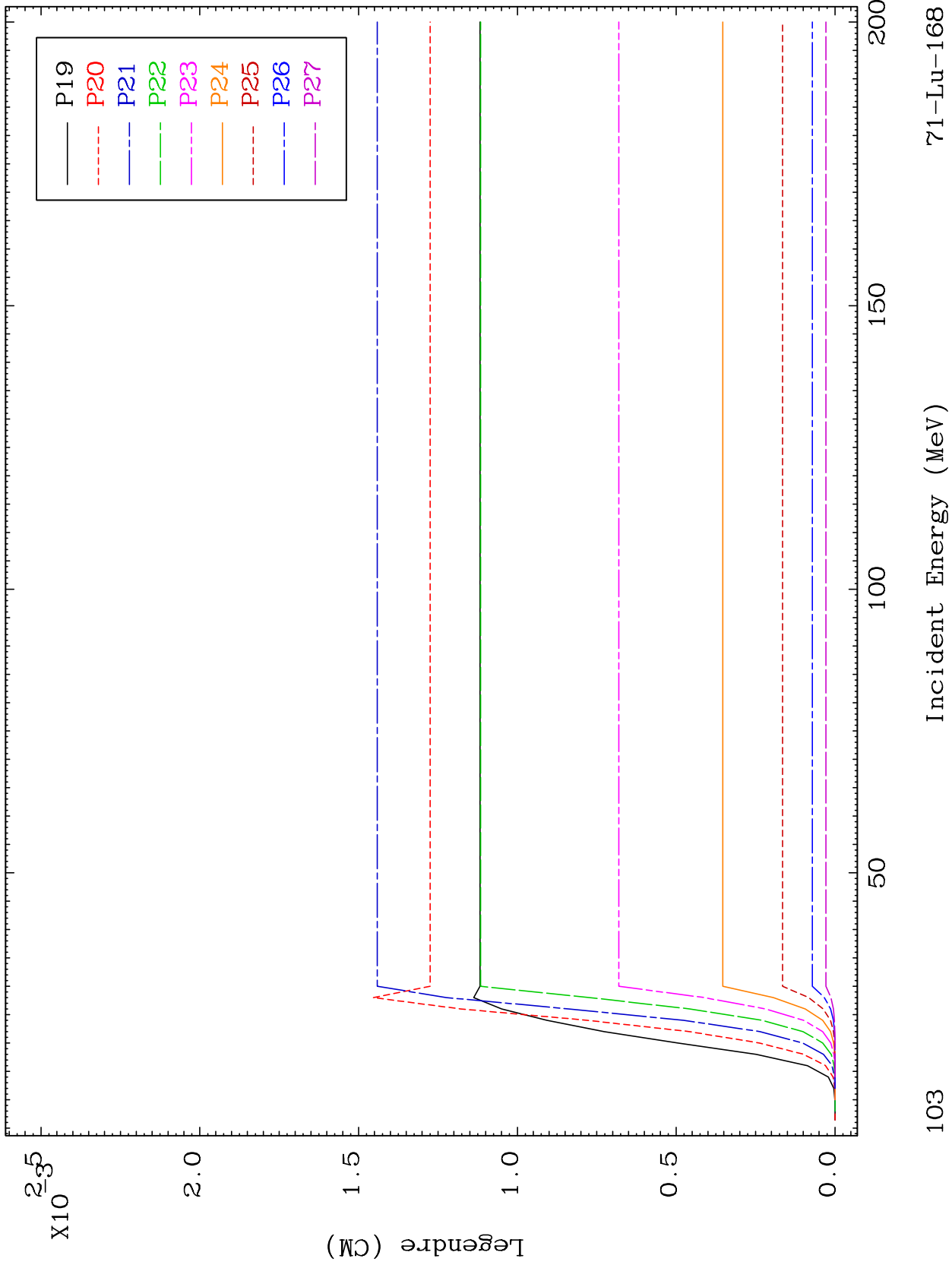
Incident Energy (MeV)

71-Lu-168

MAT 7104

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

71-Lu-168



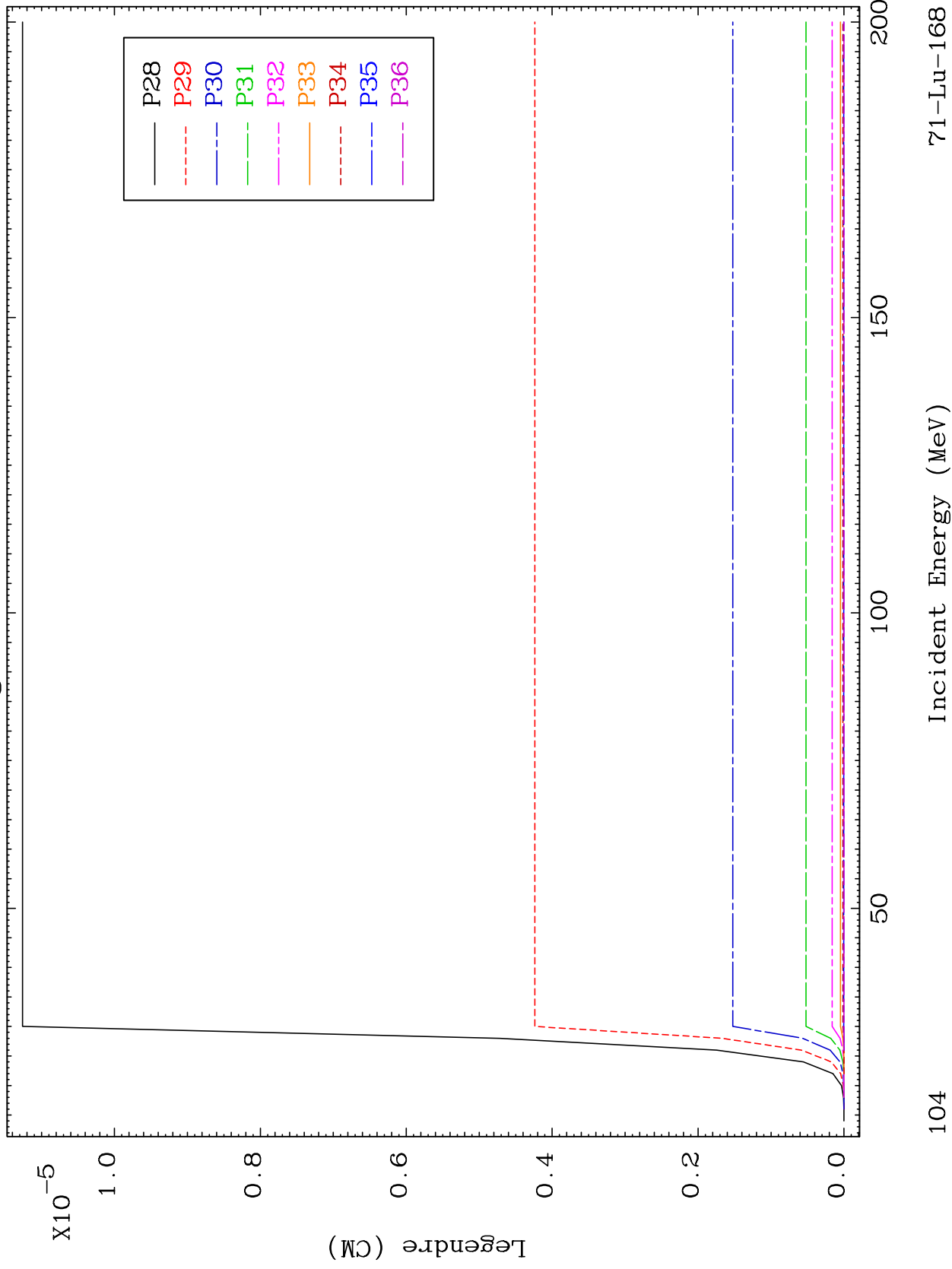
103



MAT 7104

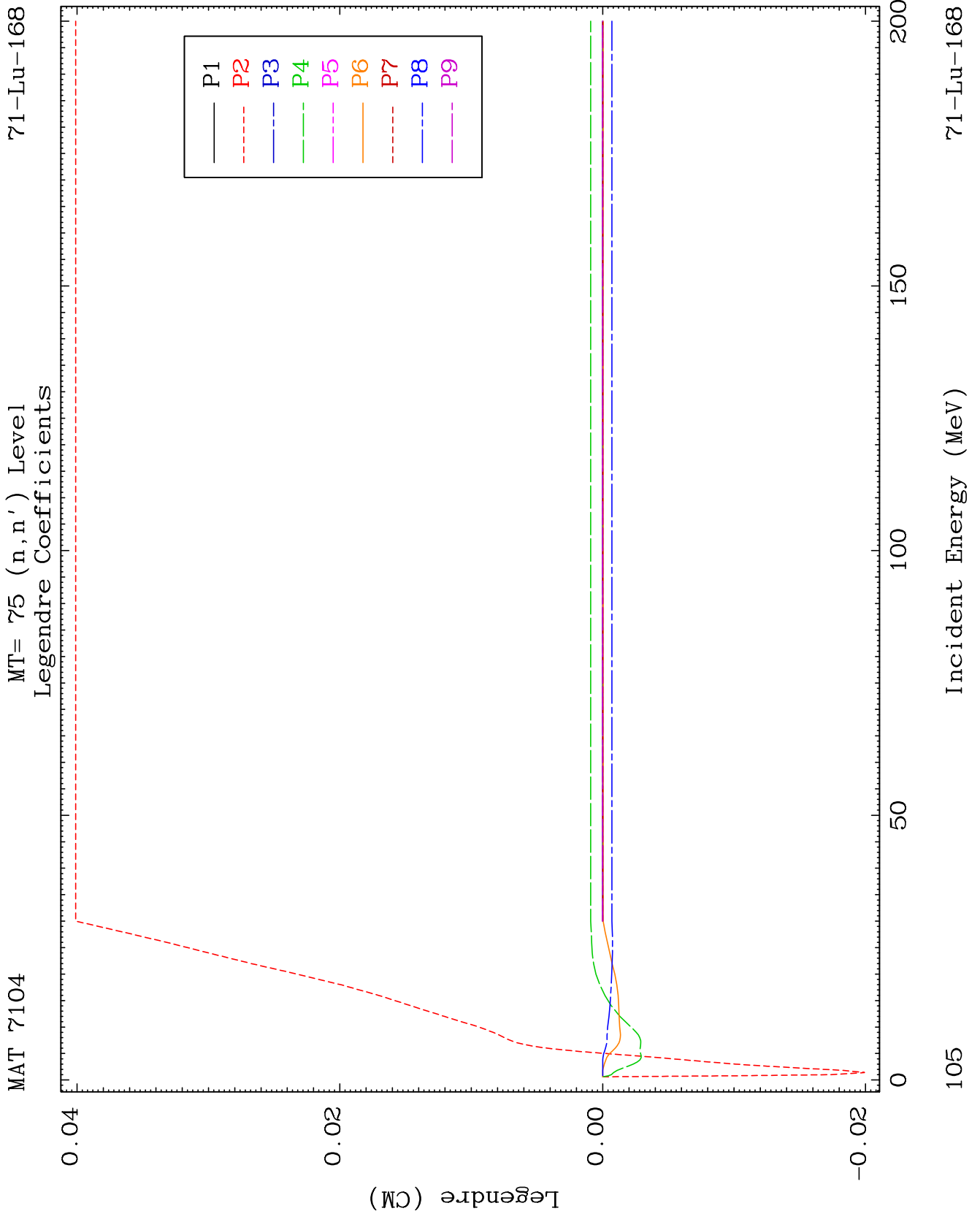
MT= 74 (n,n') Level  
Legendre Coefficients

71-Lu-168



104

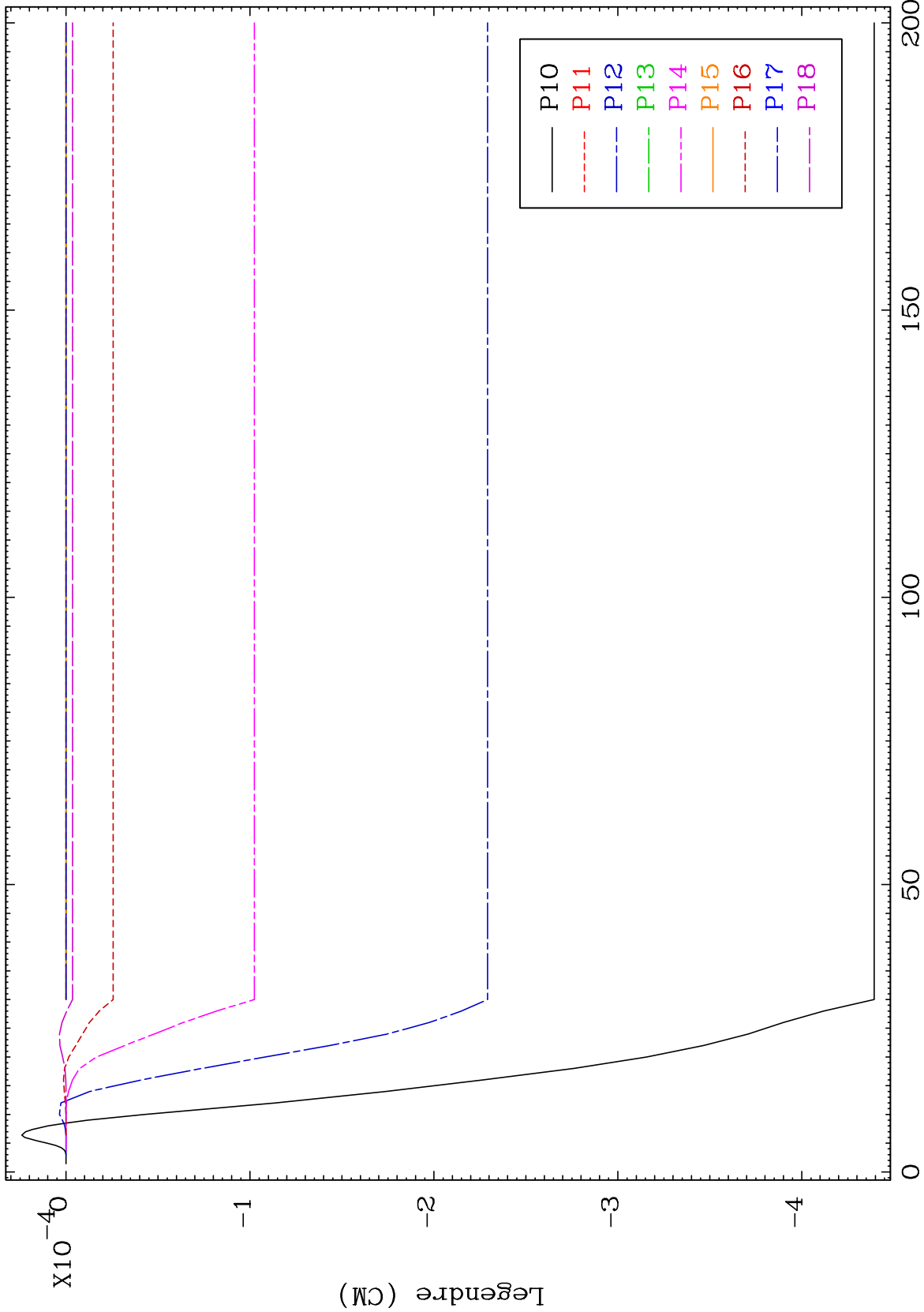
71-Lu-168



MAT 7104

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

71-Lu-168



106

Incident Energy (MeV)

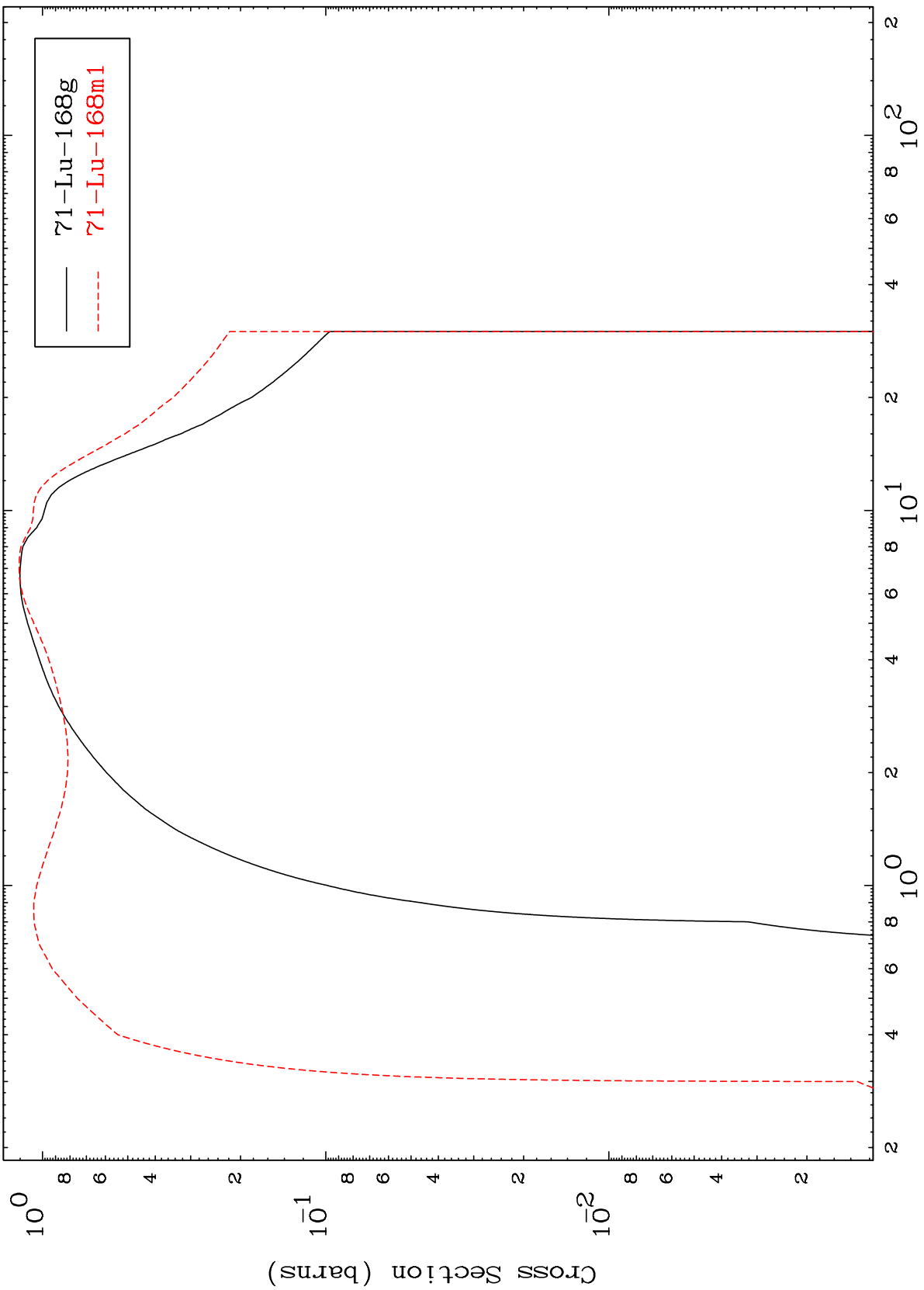
71-Lu-168



MAT 7104

71-Lu-168

Inelastic  
Radionuclide Production Cross Section



108

Incident Energy (MeV)

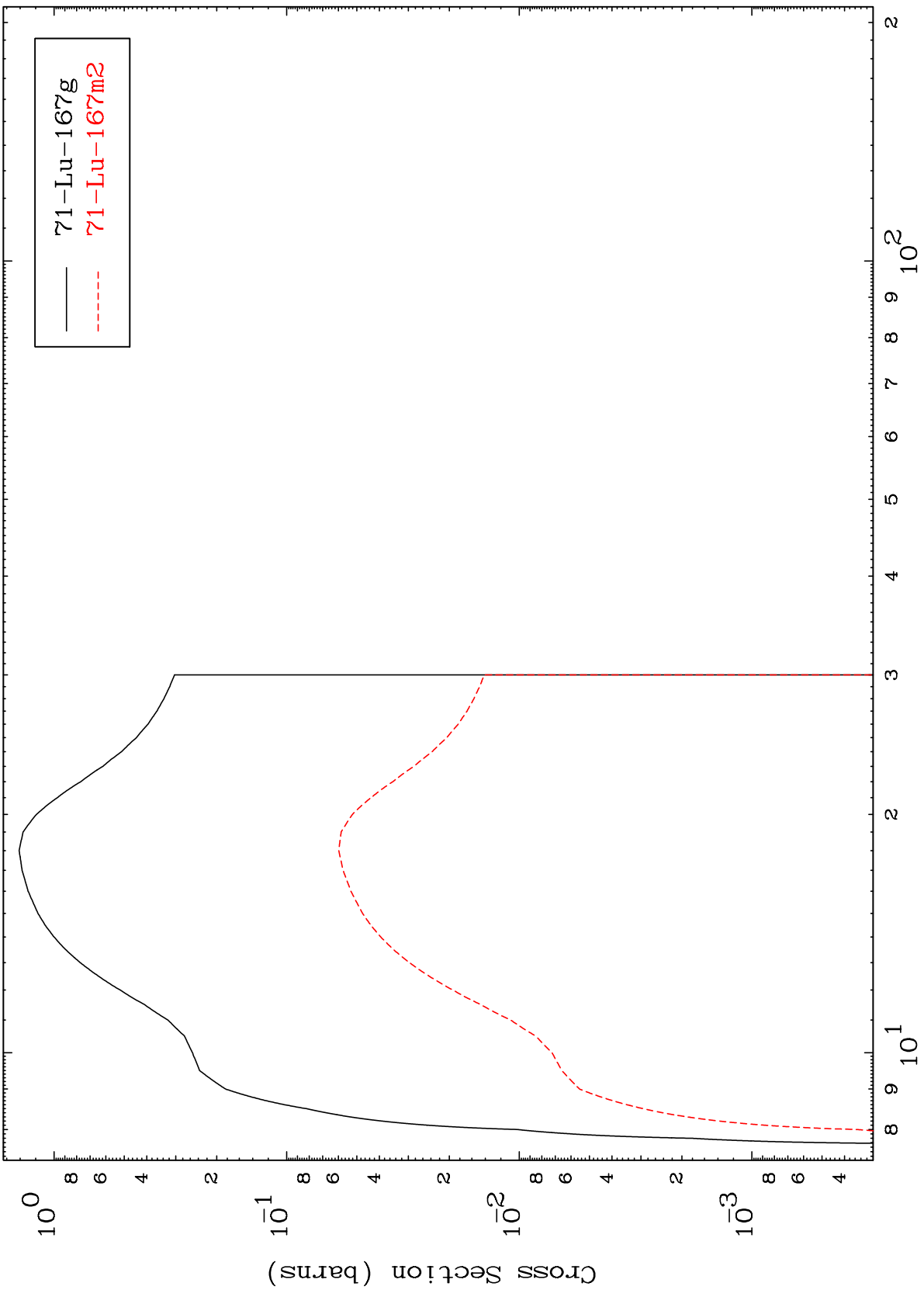
71-Lu-168

MAT 7104

71-Lu-168

(n,2n)

Radionuclide Production Cross Section



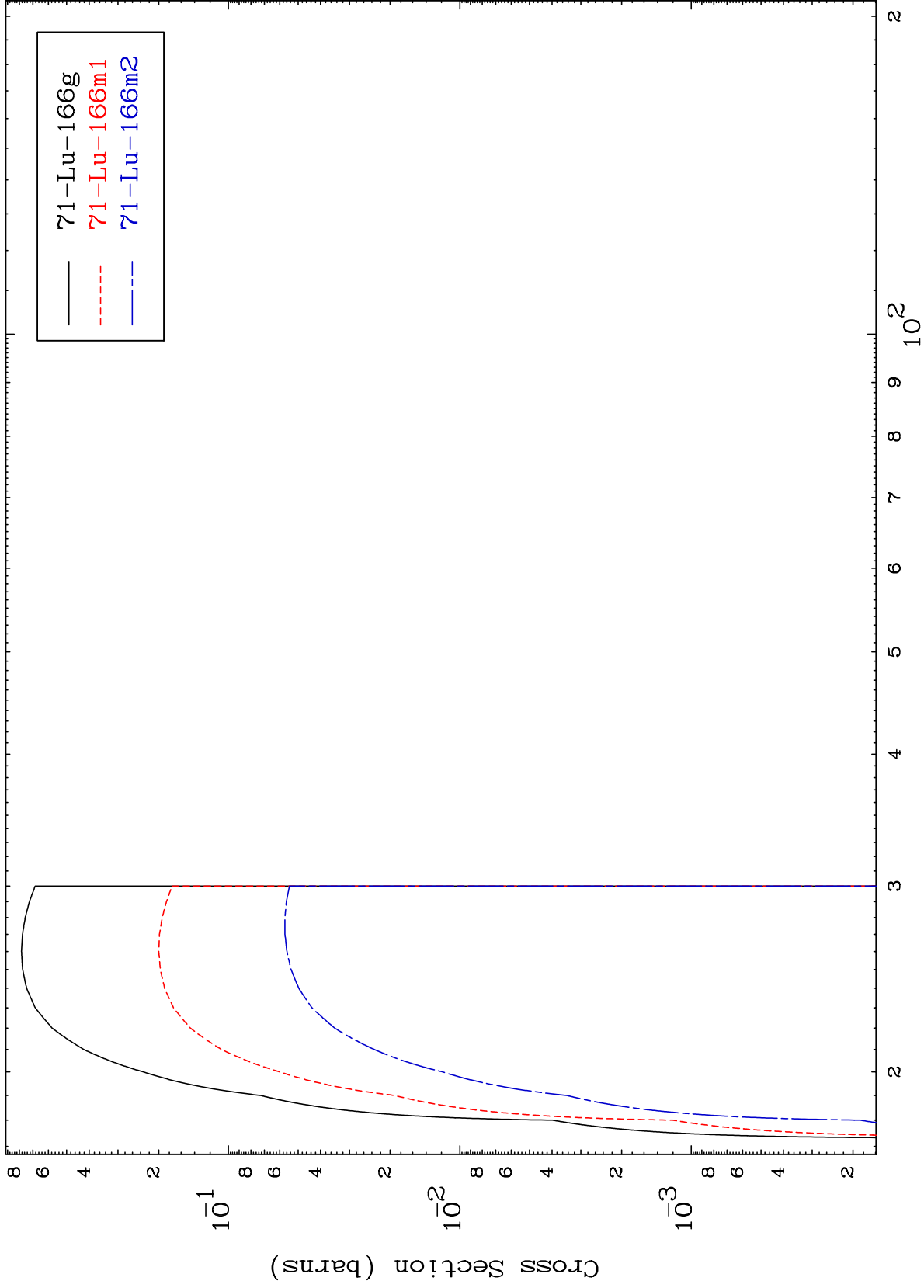
71-Lu-167g  
71-Lu-167m2

109

Incident Energy (MeV)

71-Lu-168

(n,3n)  
Radionuclide Production Cross Section

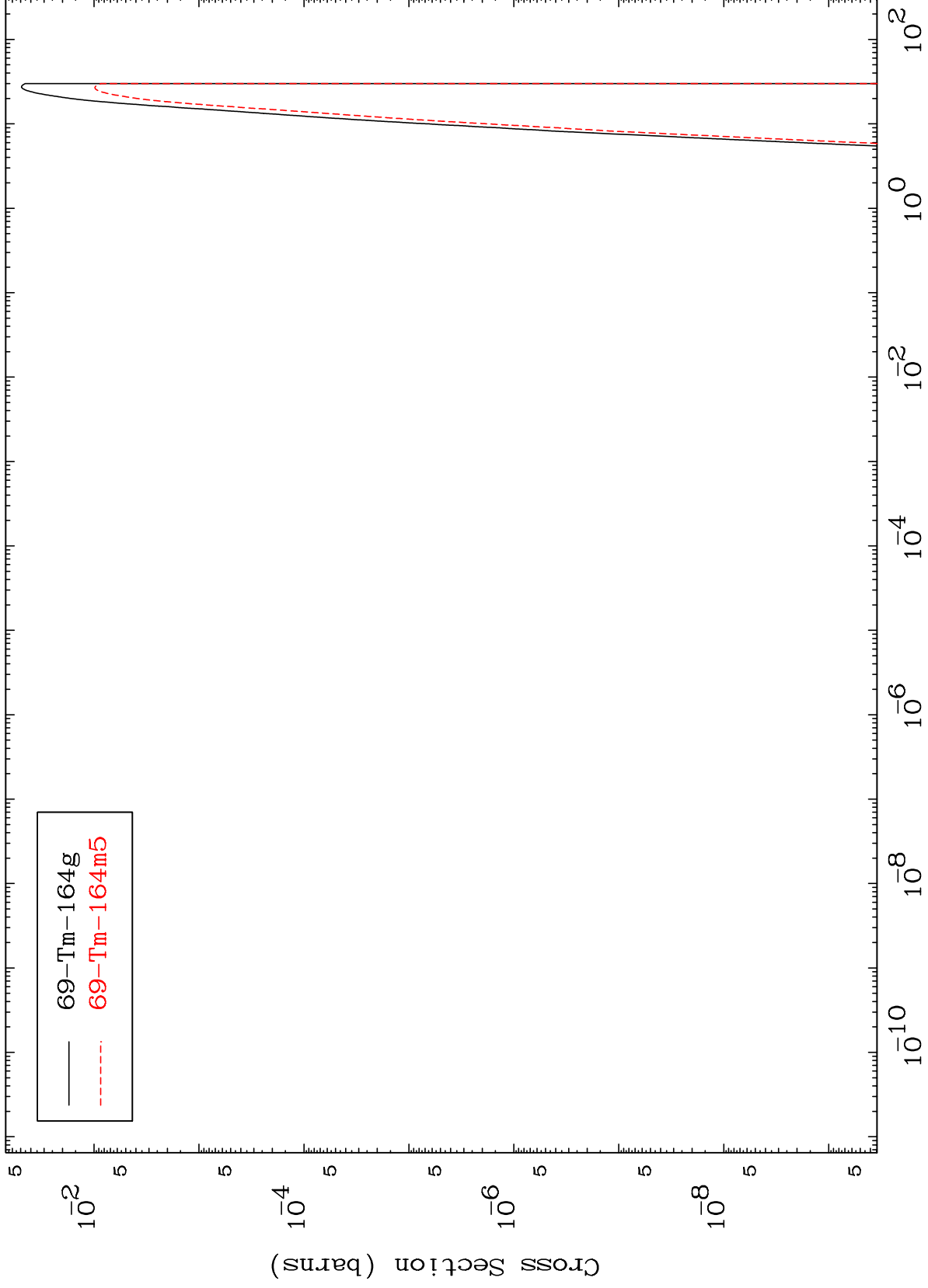


MAT 7104

$(n, n') \alpha$

$^{71}\text{Lu-168}$

Radionuclide Production Cross Section



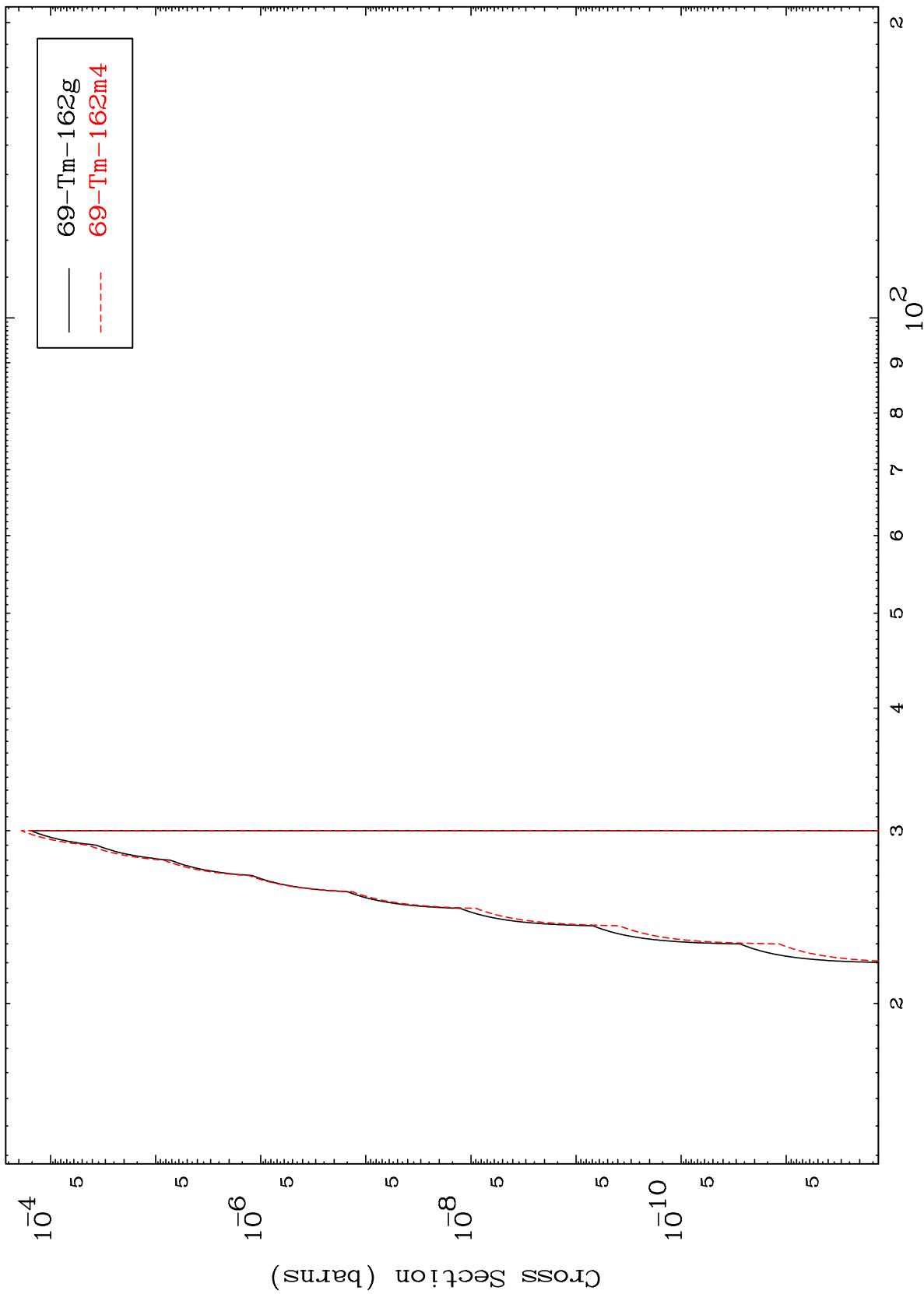
111

Incident Energy (MeV)

$^{71}\text{Lu-168}$



Radionuclide Production Cross Section

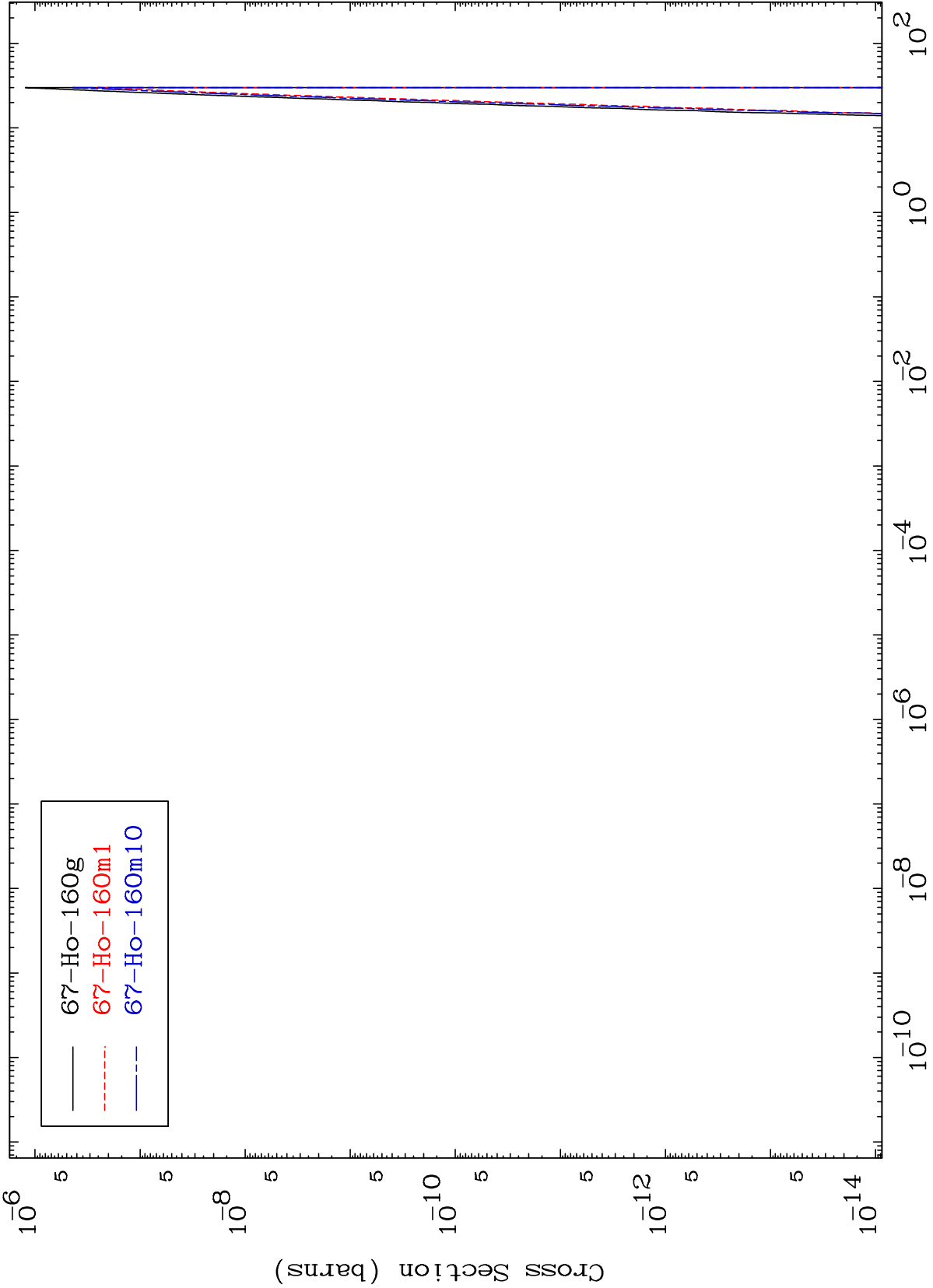


MAT 7104

(n,n') 2α

71-Lu-168

Radionuclide Production Cross Section

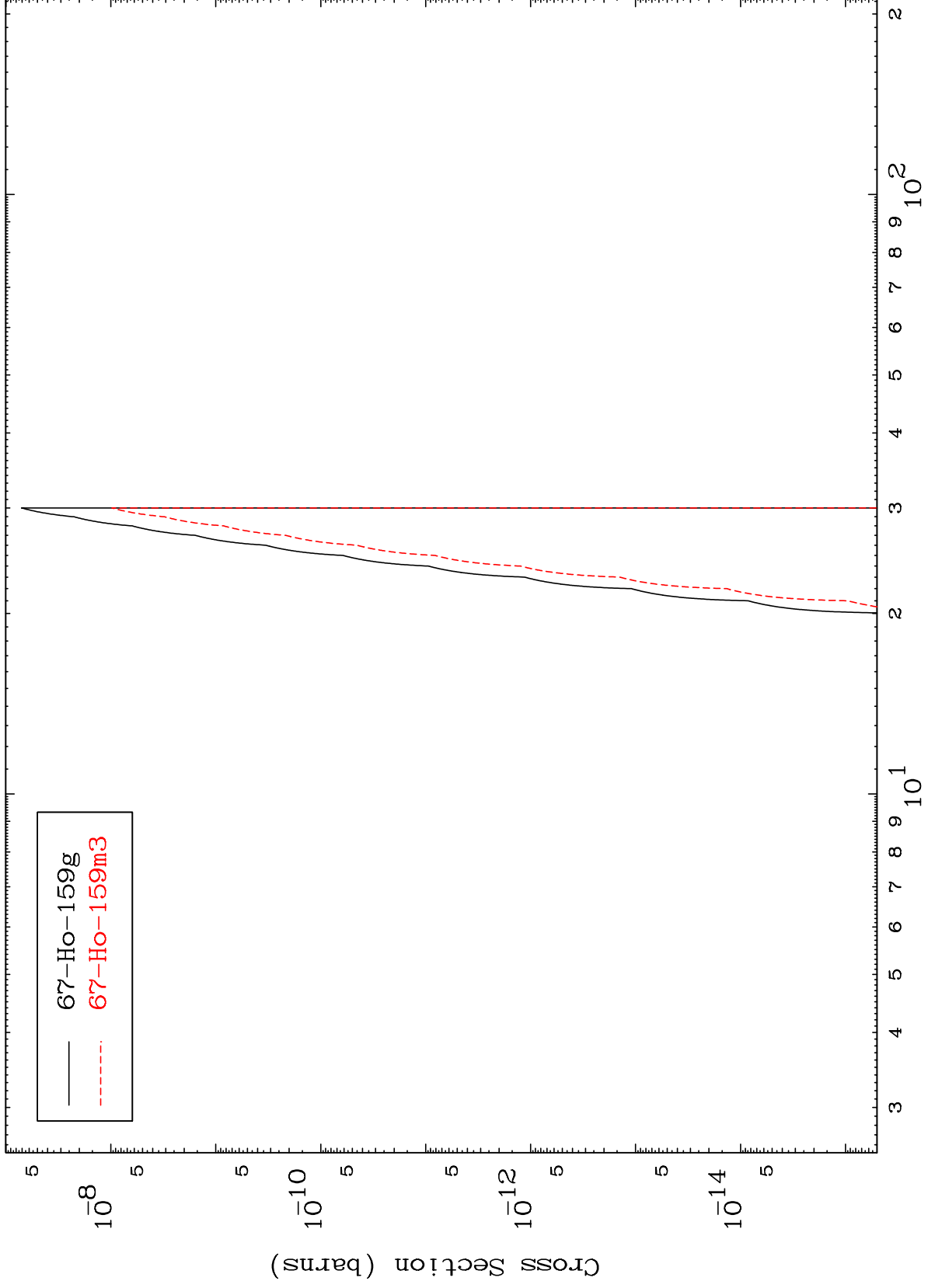


MAT 7104

$^{67}\text{Lu}$

$^{168}\text{Lu}$

Radionuclide Production Cross Section



—  $^{67}\text{Ho-159g}$   
- - -  $^{67}\text{Ho-159m3}$

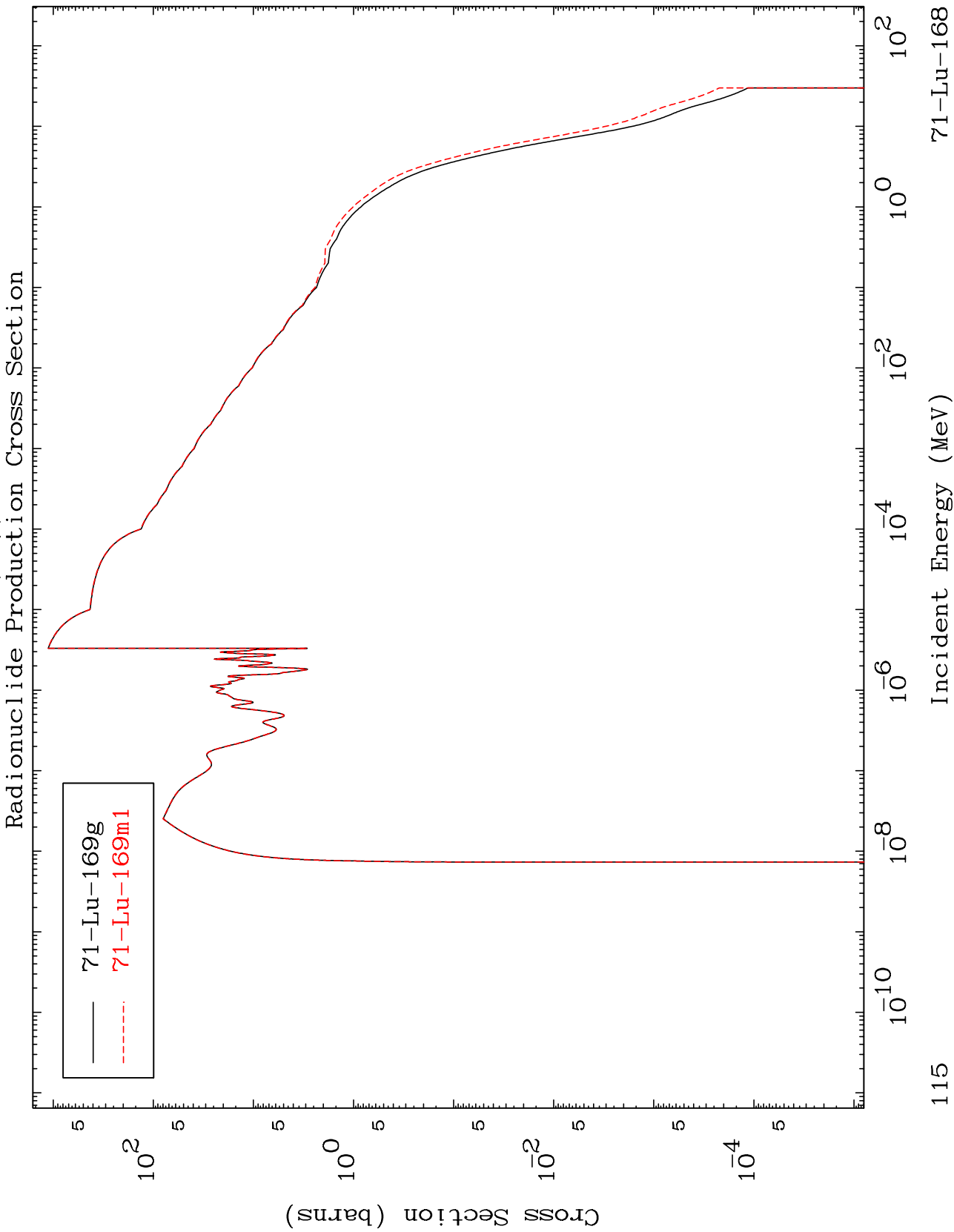
114

Incident Energy (MeV)

$^{168}\text{Lu}$

MAT 7104

<sup>71</sup>Lu-168



— <sup>71</sup>Lu-169g  
- - - <sup>71</sup>Lu-169m1

MAT 7104

(n,2α)

71-Lu-168

Radionuclide Production Cross Section

