

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

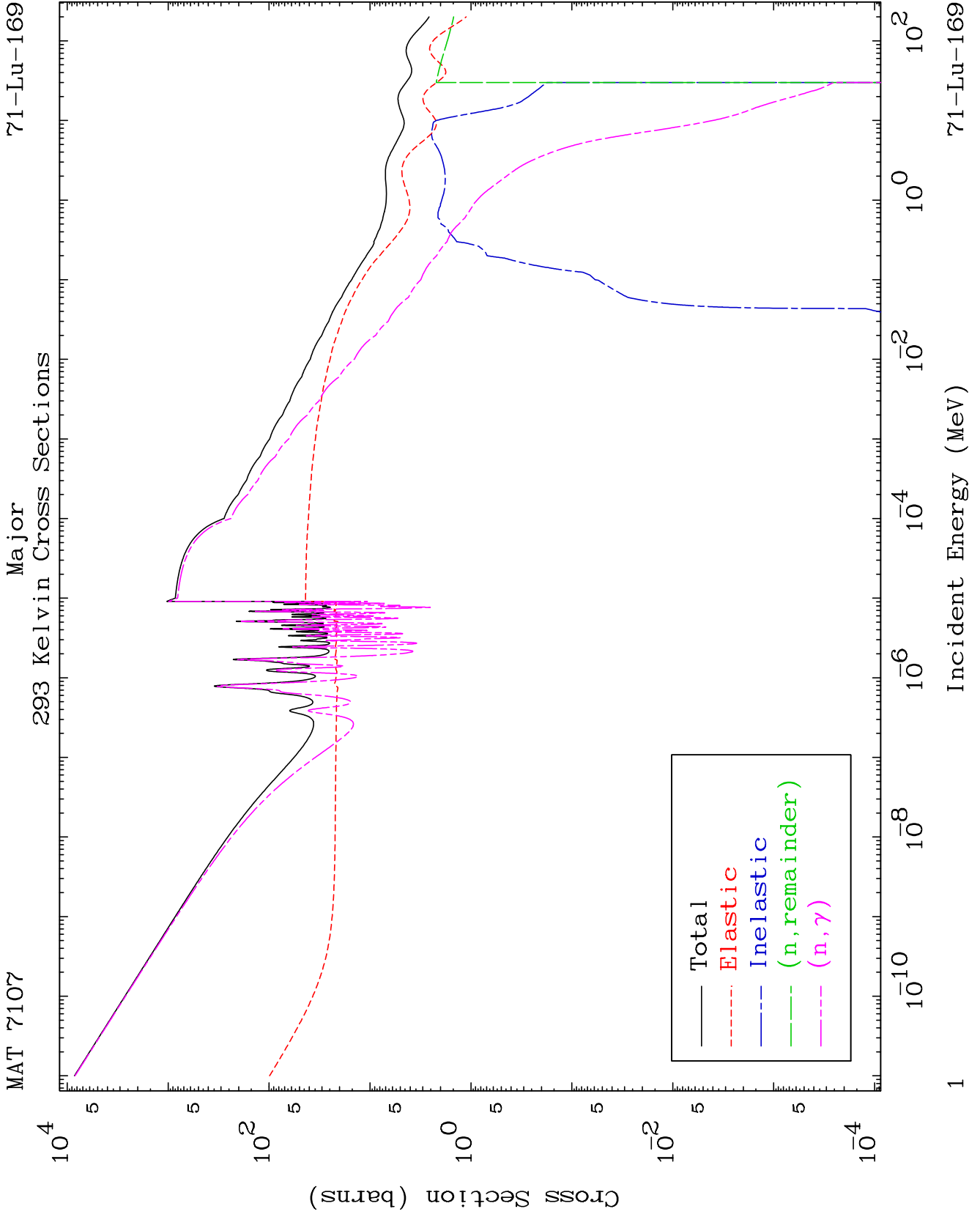
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

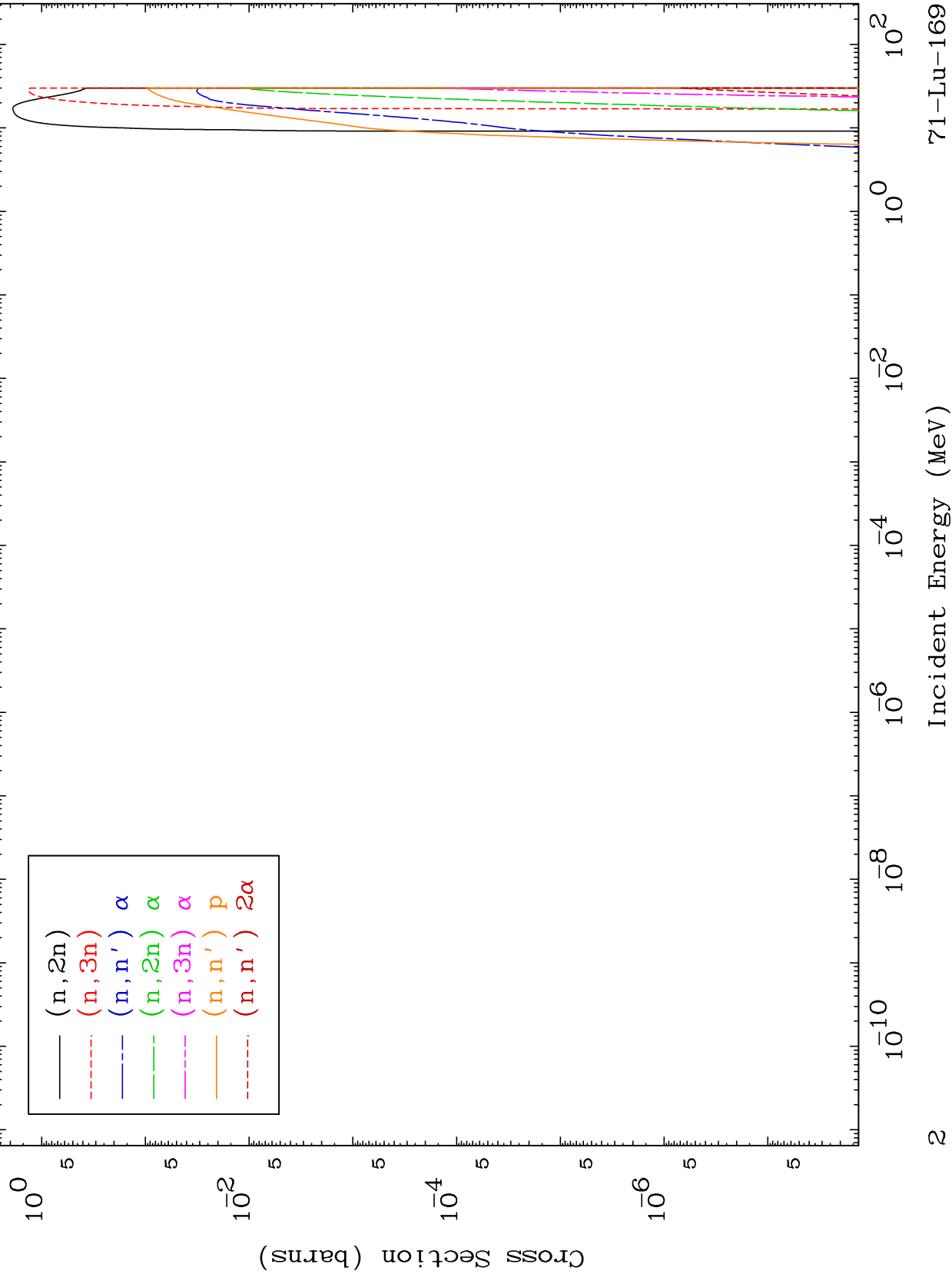
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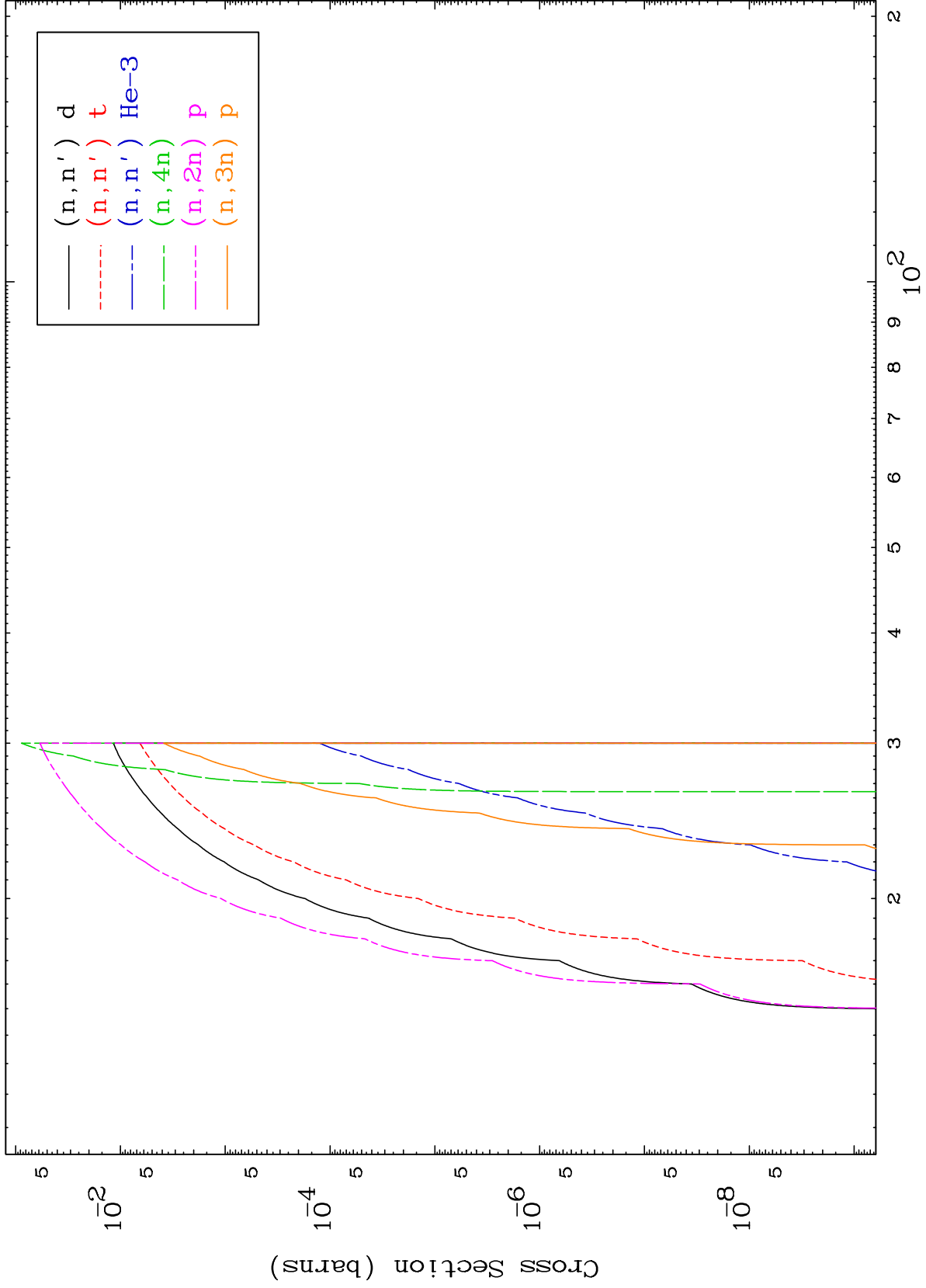


MAT 7107

Neutron Production  
293 Kelvin Cross Sections

71-Lu-169

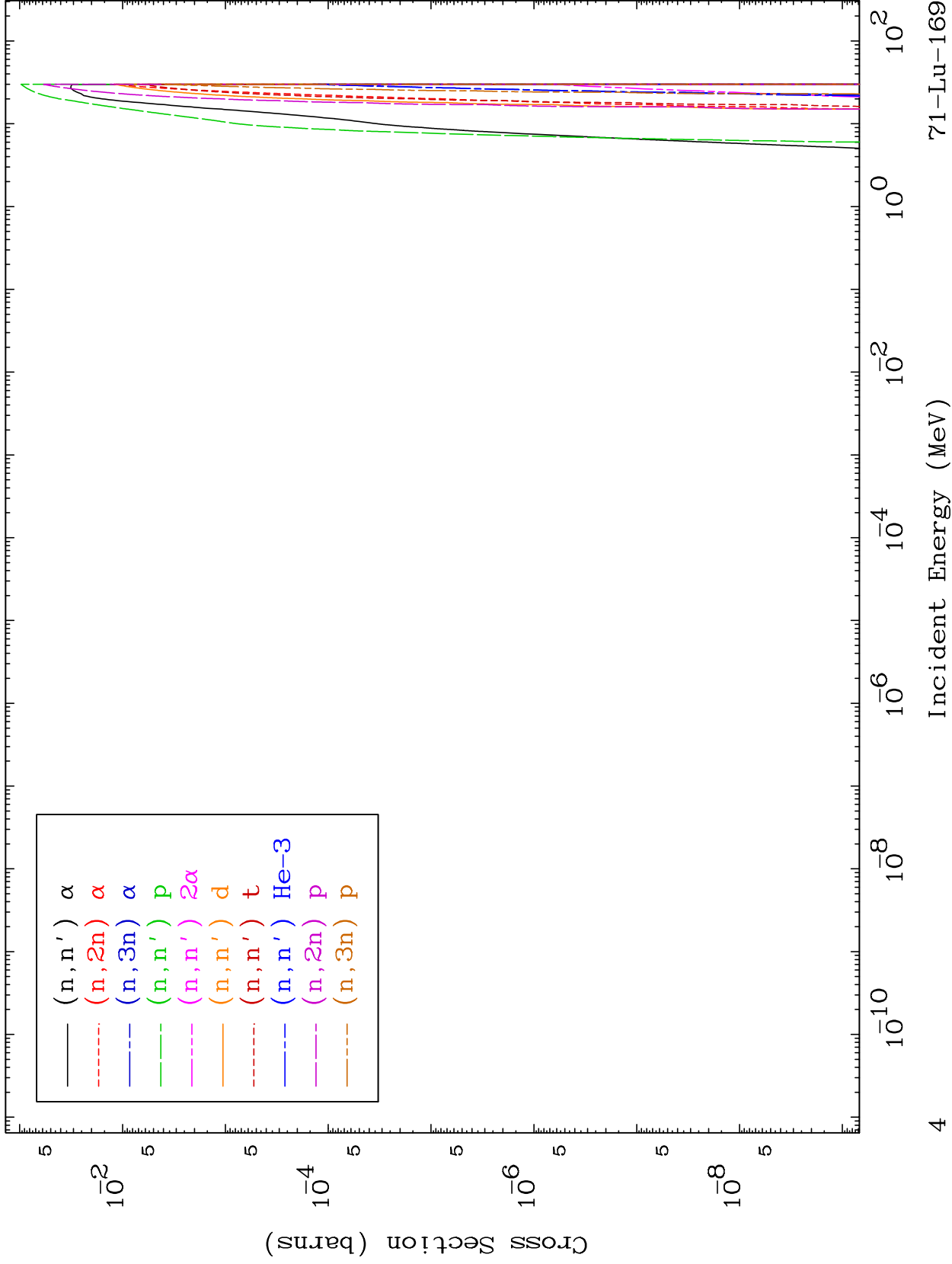


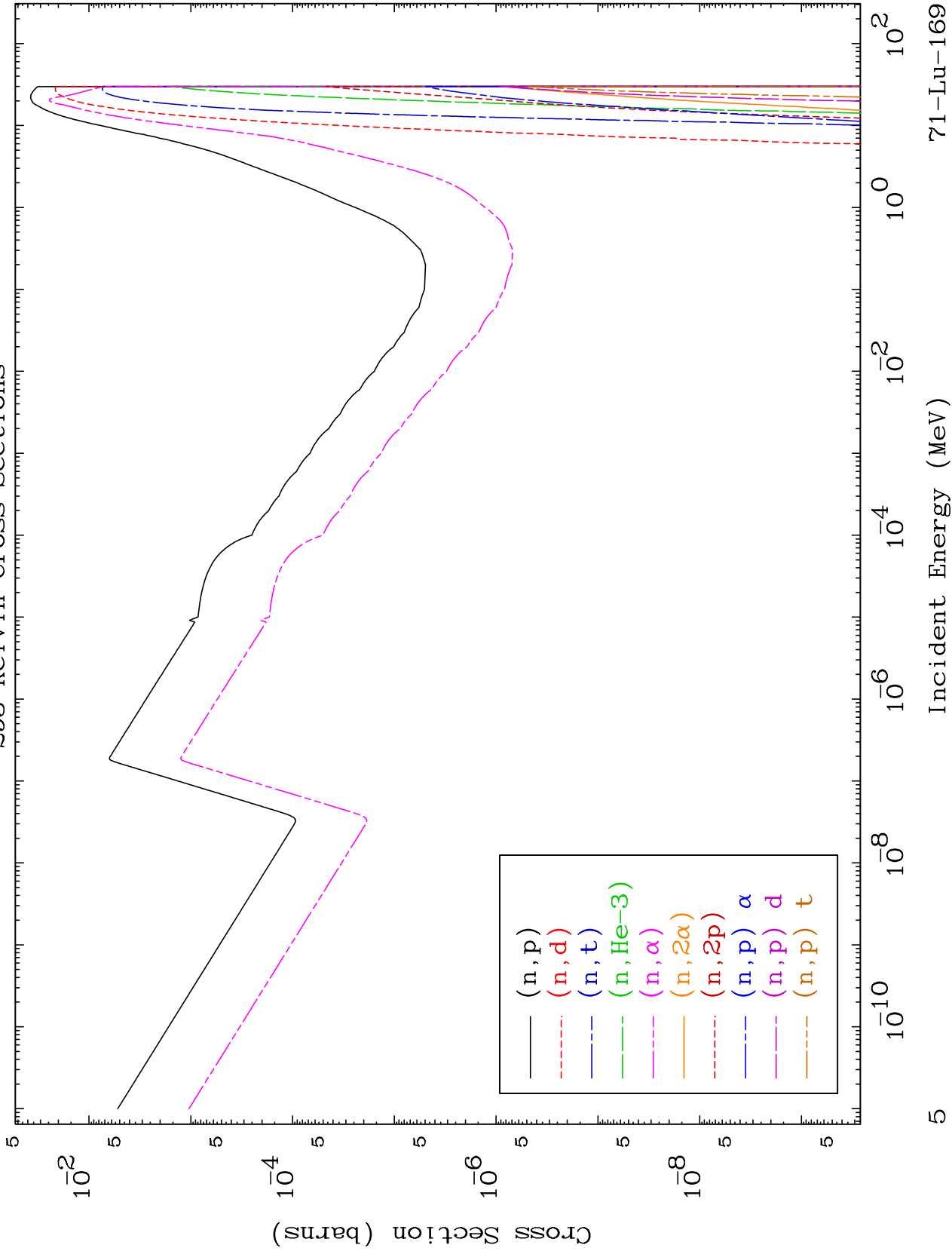


MAT 7107

Charged Particle  
293 Kelvin Cross Sections

71-Lu-169

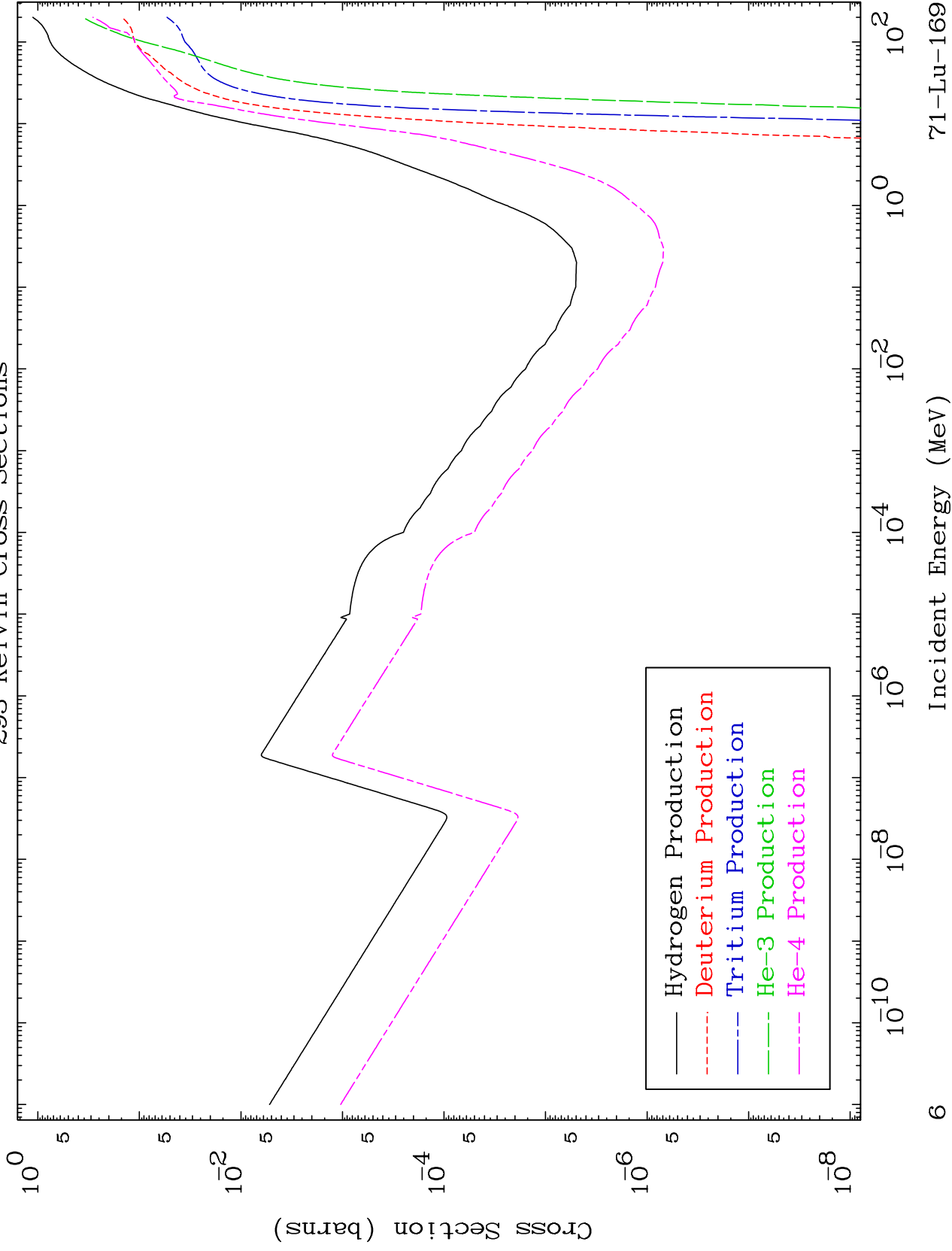




MAT 7107

Particle Production  
293 Kelvin Cross Sections

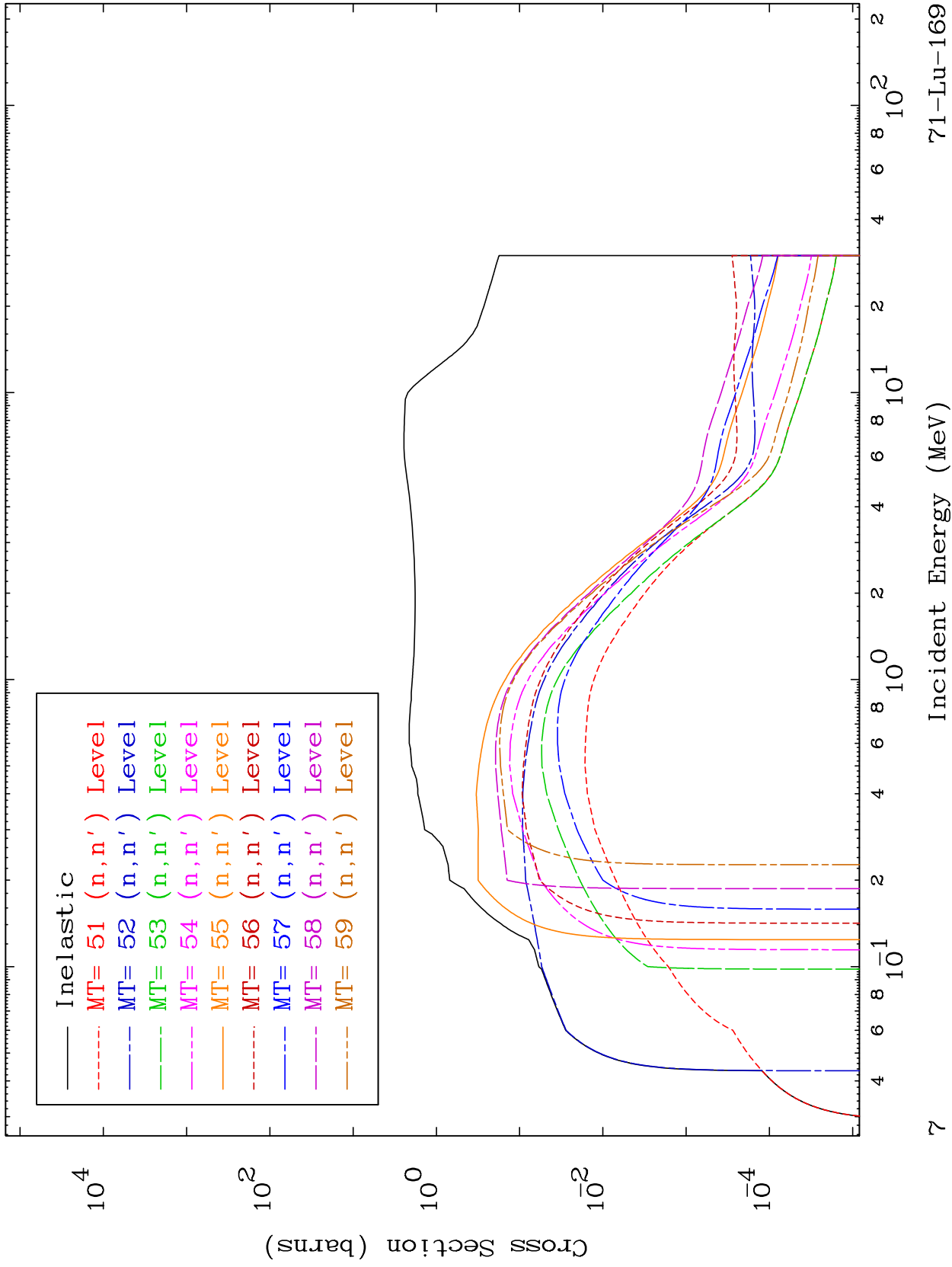
71-Lu-169



MAT 7107

293 (n,n') Level  
Kelvin Cross Sections

71-Lu-169



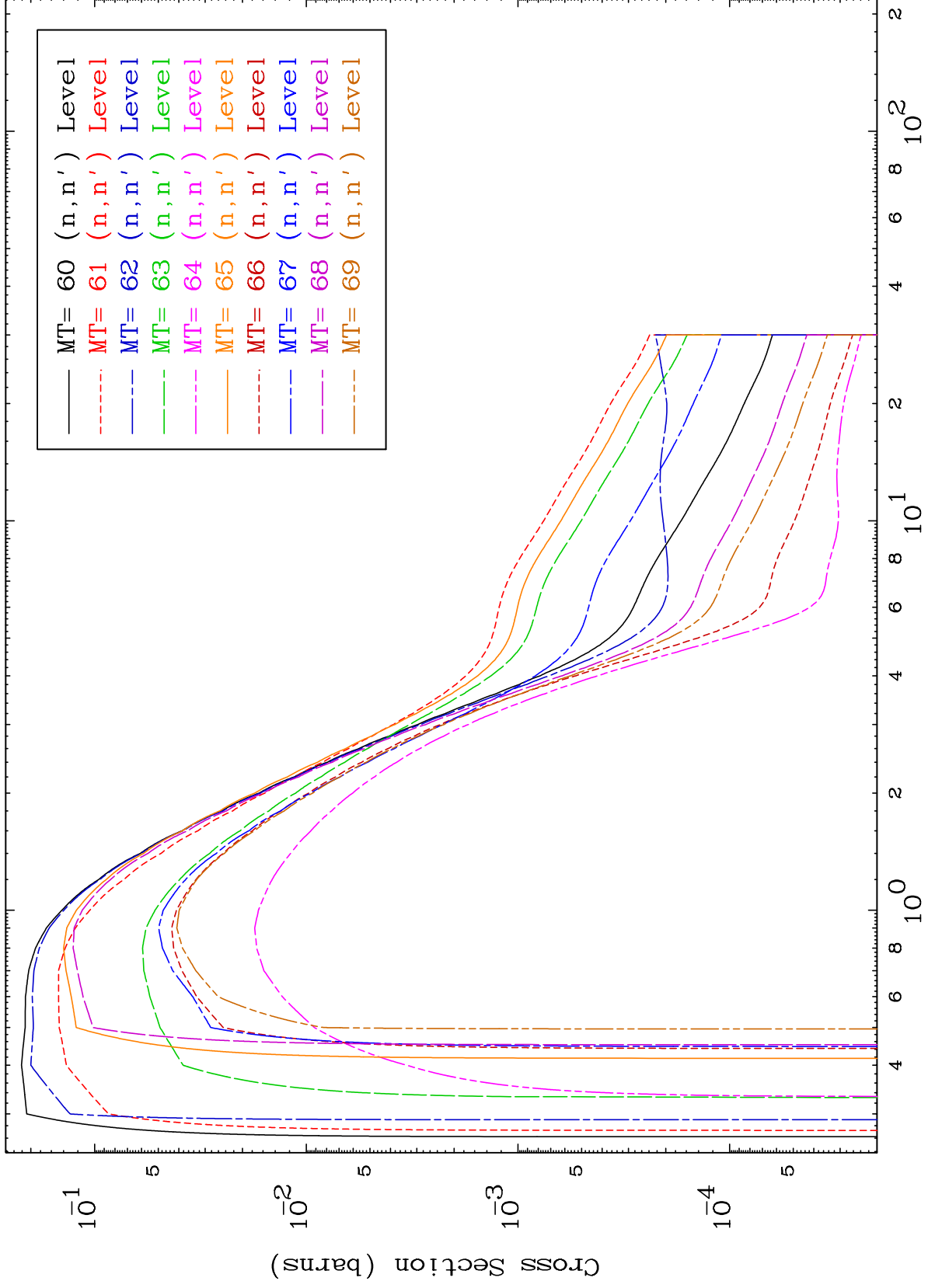


MAT 7107

(n,n') Level

71-Lu-169

293 Kelvin Cross Sections

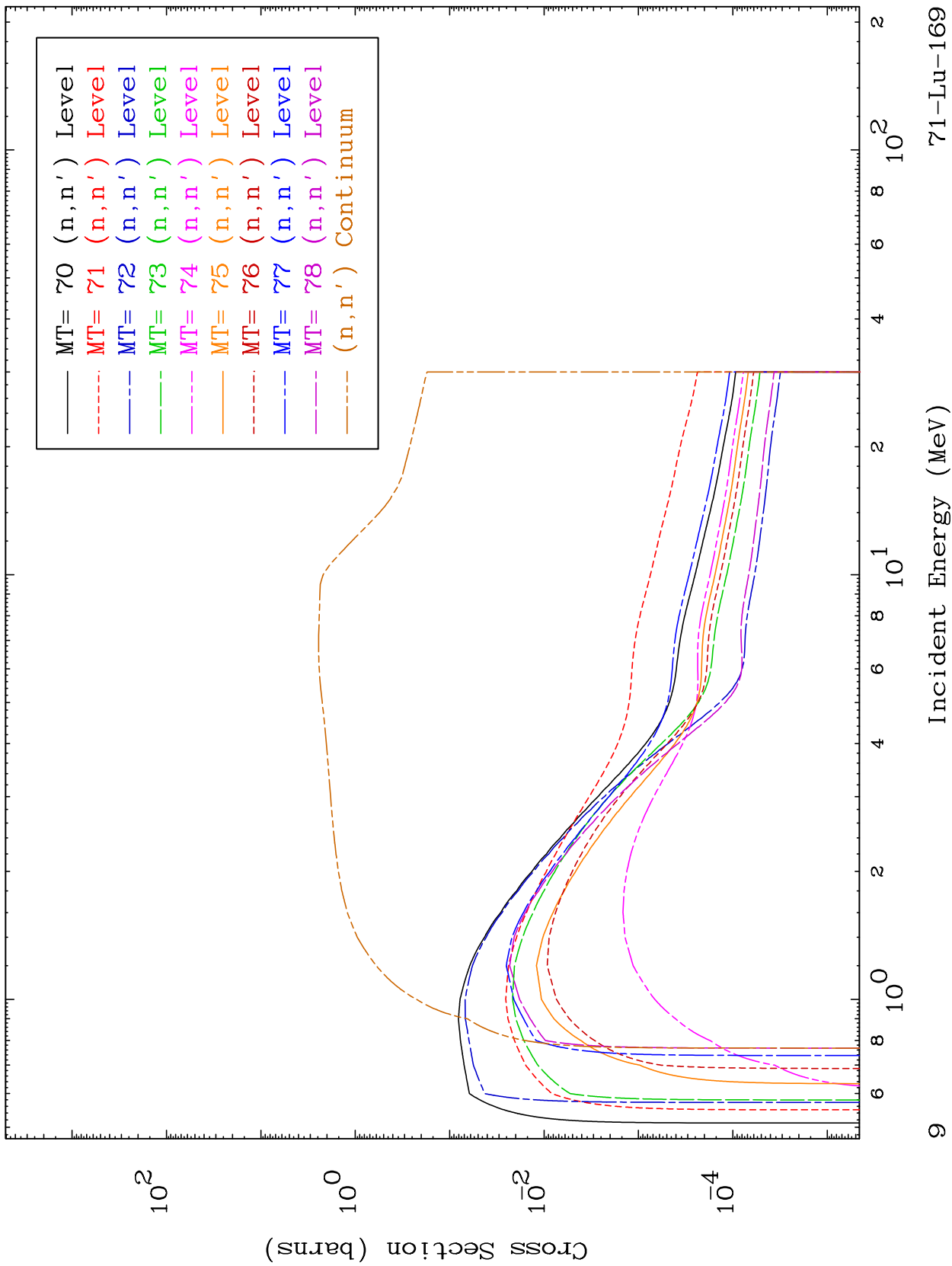


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Incident Energy (MeV)

71-Lu-169

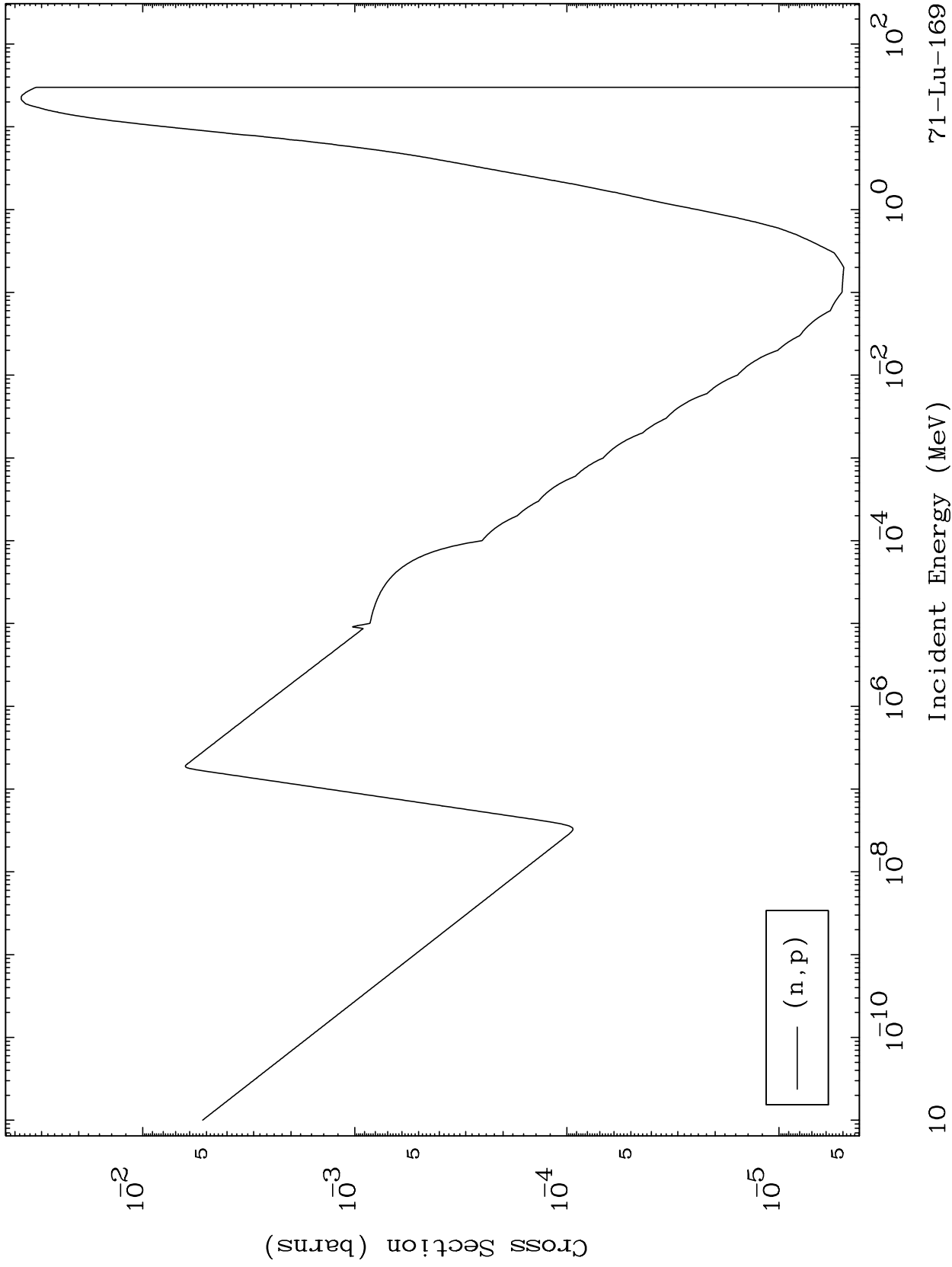
293 Kelvin Cross Sections



MAT 7107

(n,p) Levels  
293 Kelvin Cross Sections

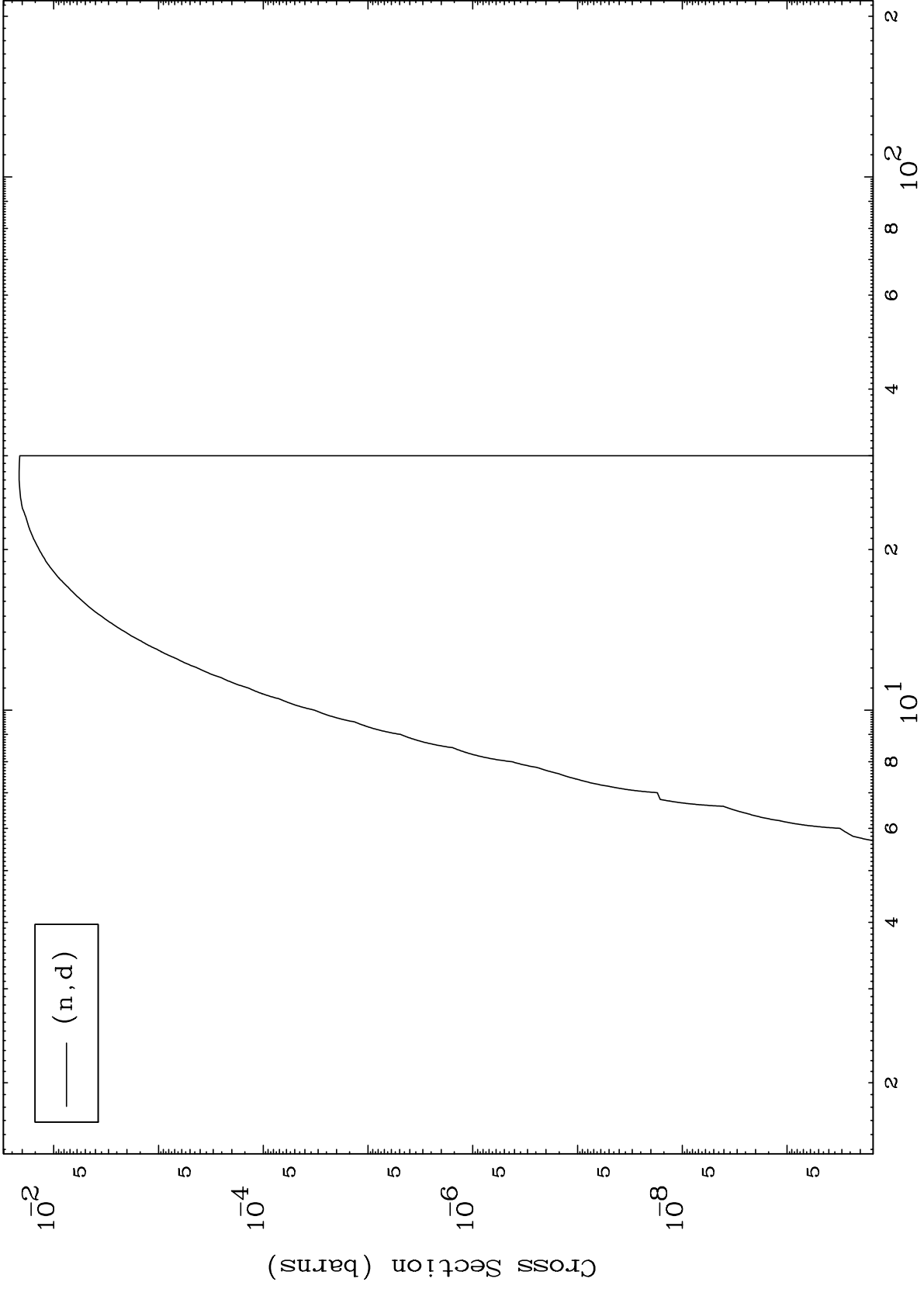
71-Lu-169



MAT 7107

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-169



11

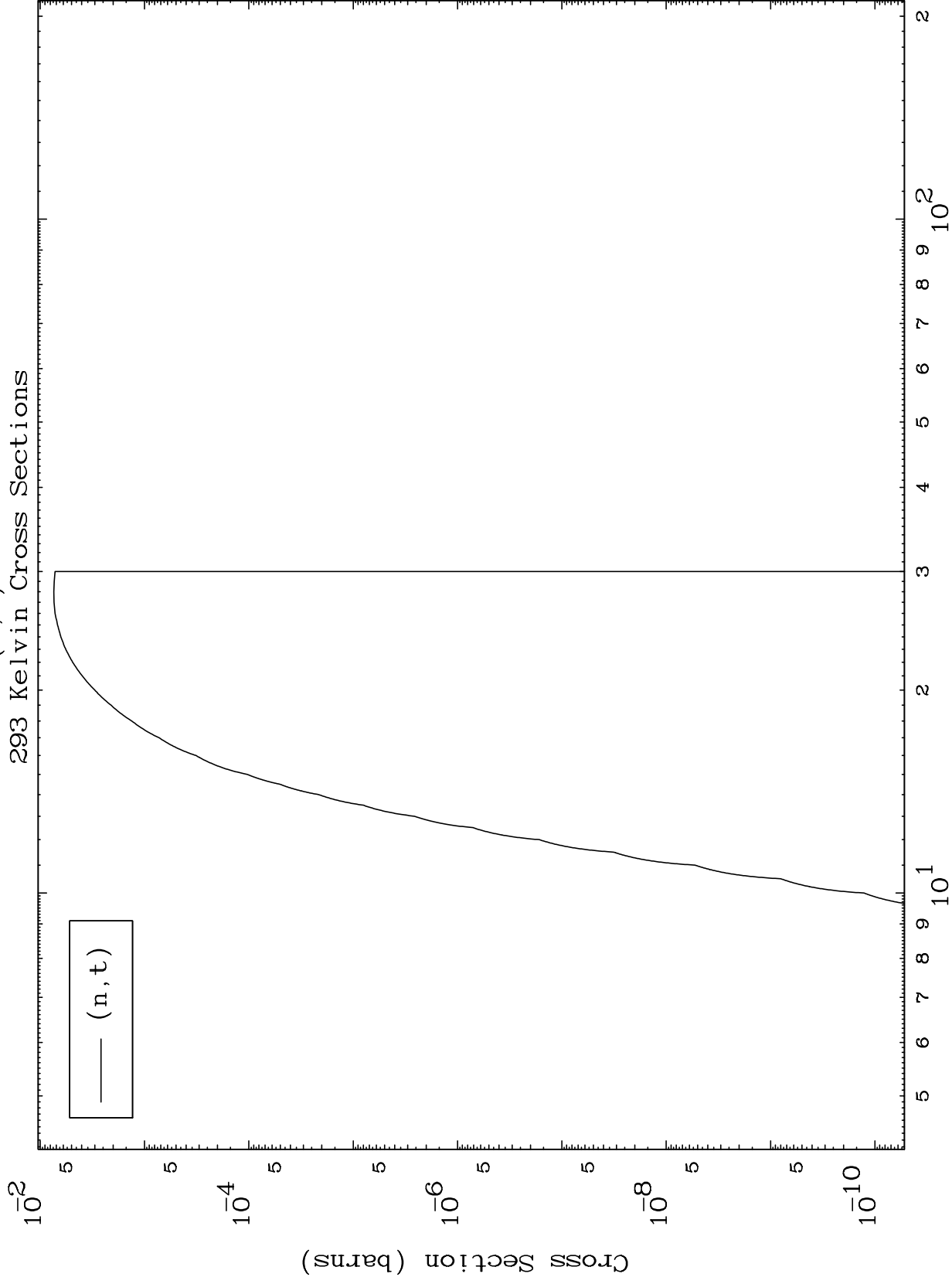
Incident Energy (MeV)

71-Lu-169

MAT 7107

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-169



12

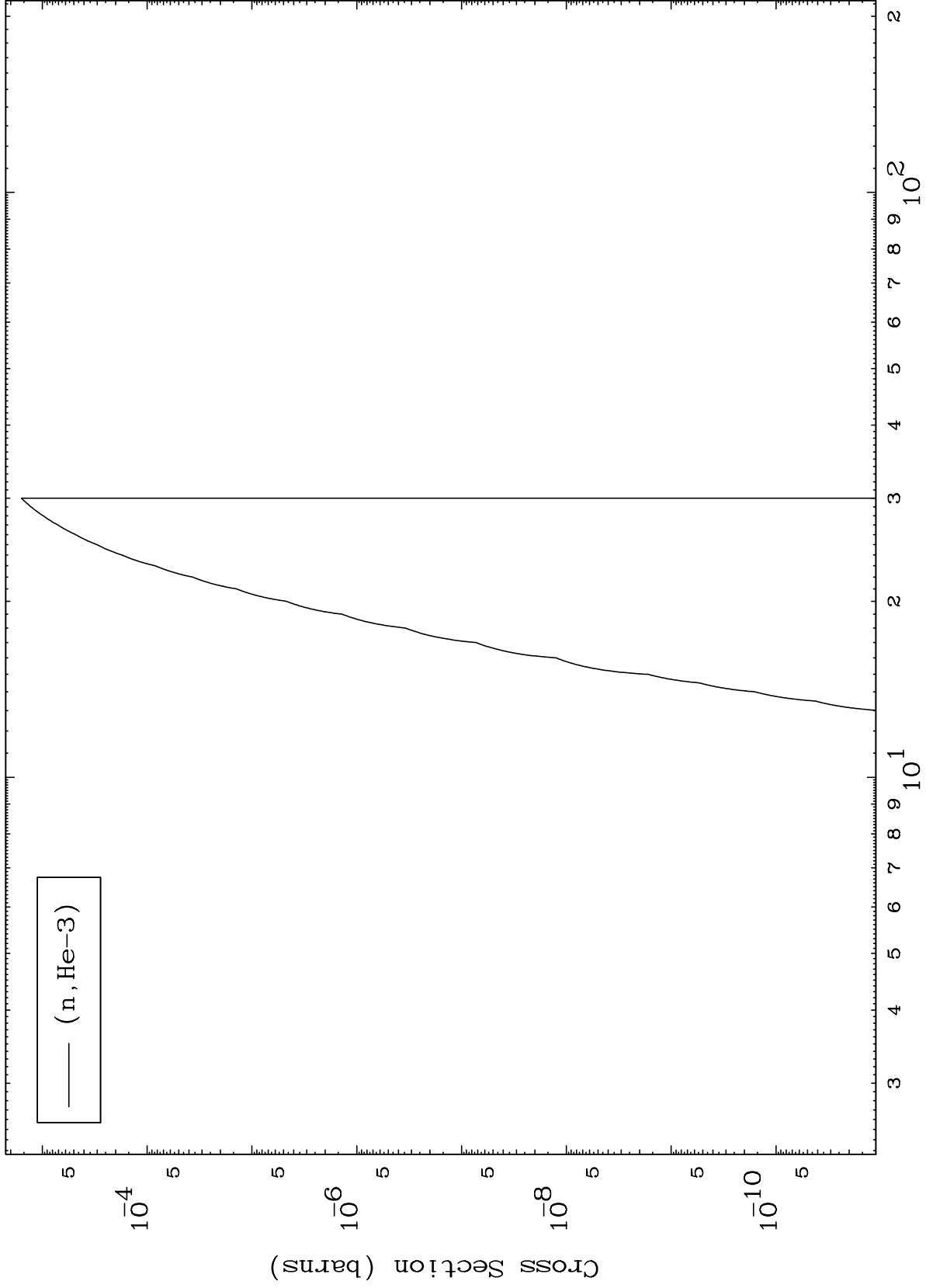
Incident Energy (MeV)

71-Lu-169

MAT 7107

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-169



13

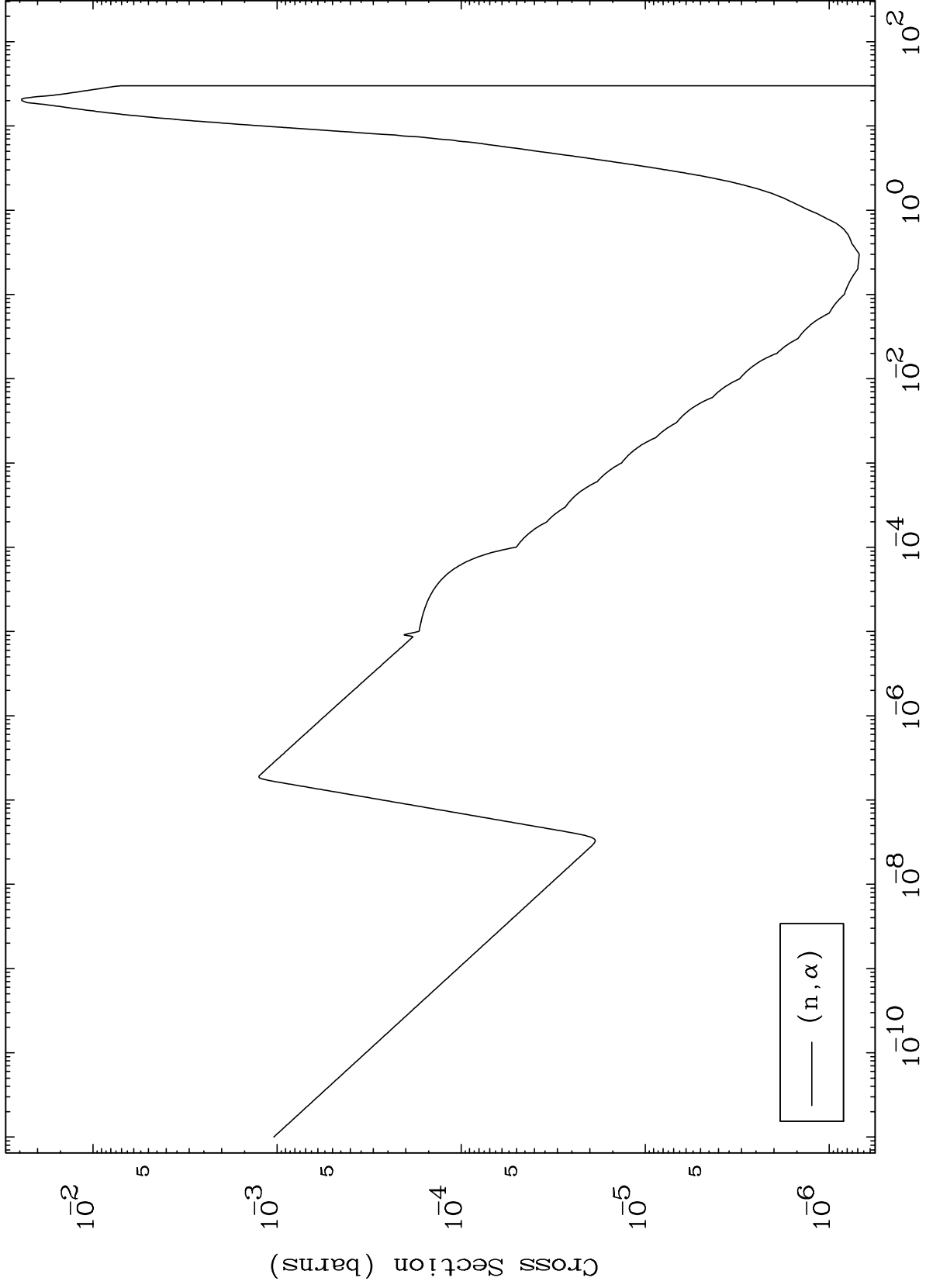
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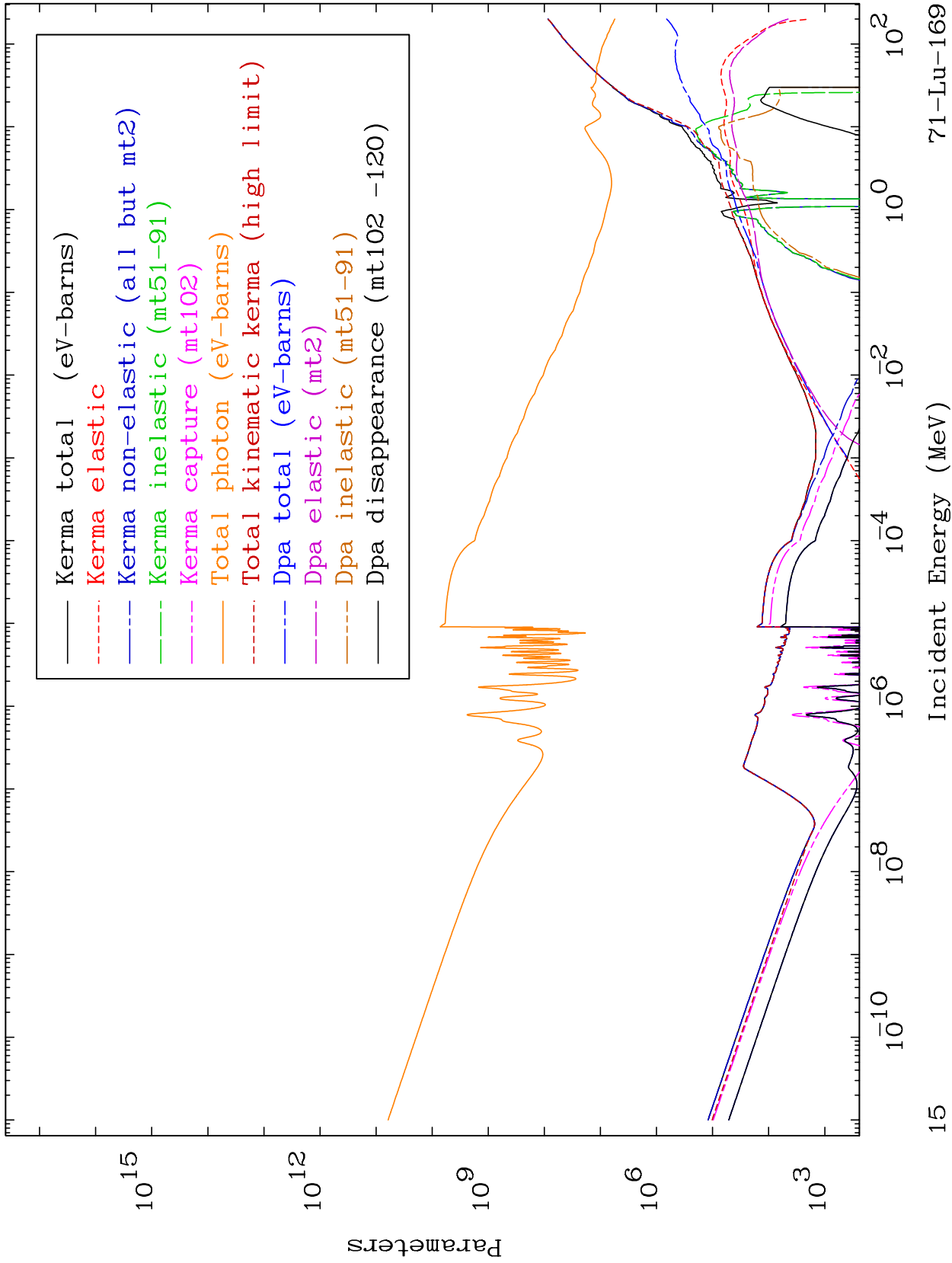
71-Lu-169

MAT 7107

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

71-Lu-169



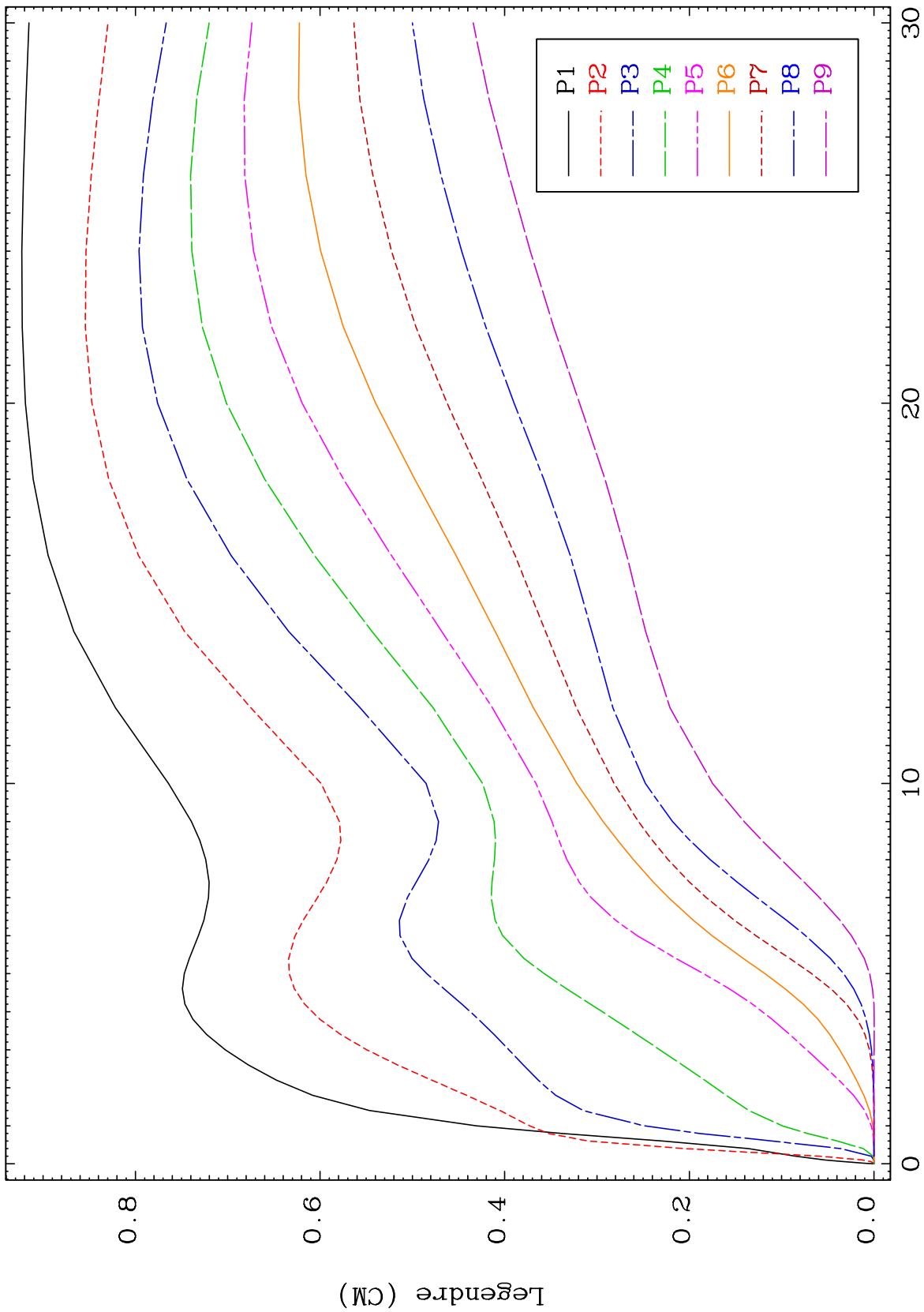




MAT 7107

71-Lu-169

Elastic Legendre Coefficients



71-Lu-169

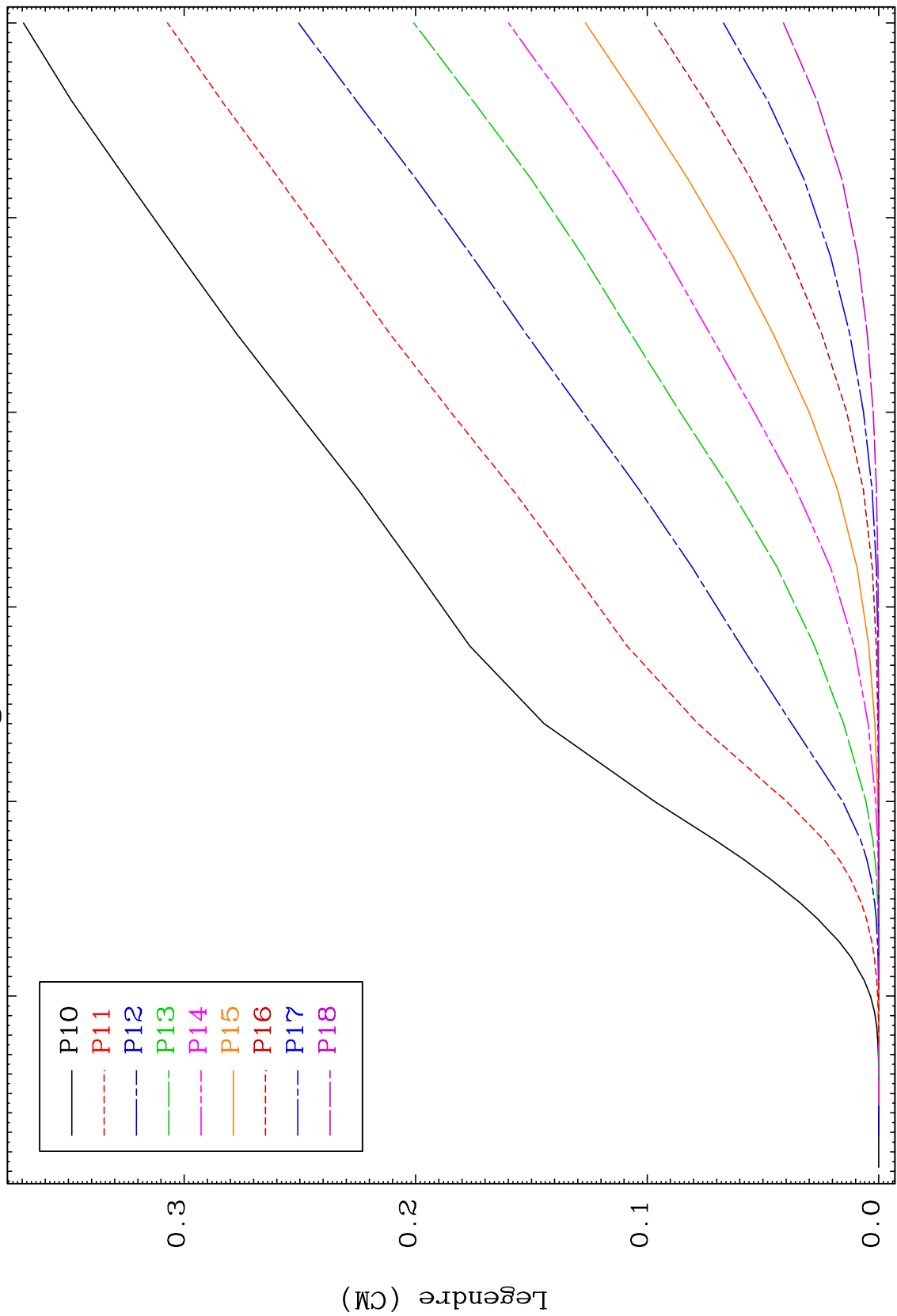
Incident Energy (MeV)

16

MAT 7107

Elastic Legendre Coefficients

<sup>71</sup>Lu-169



17

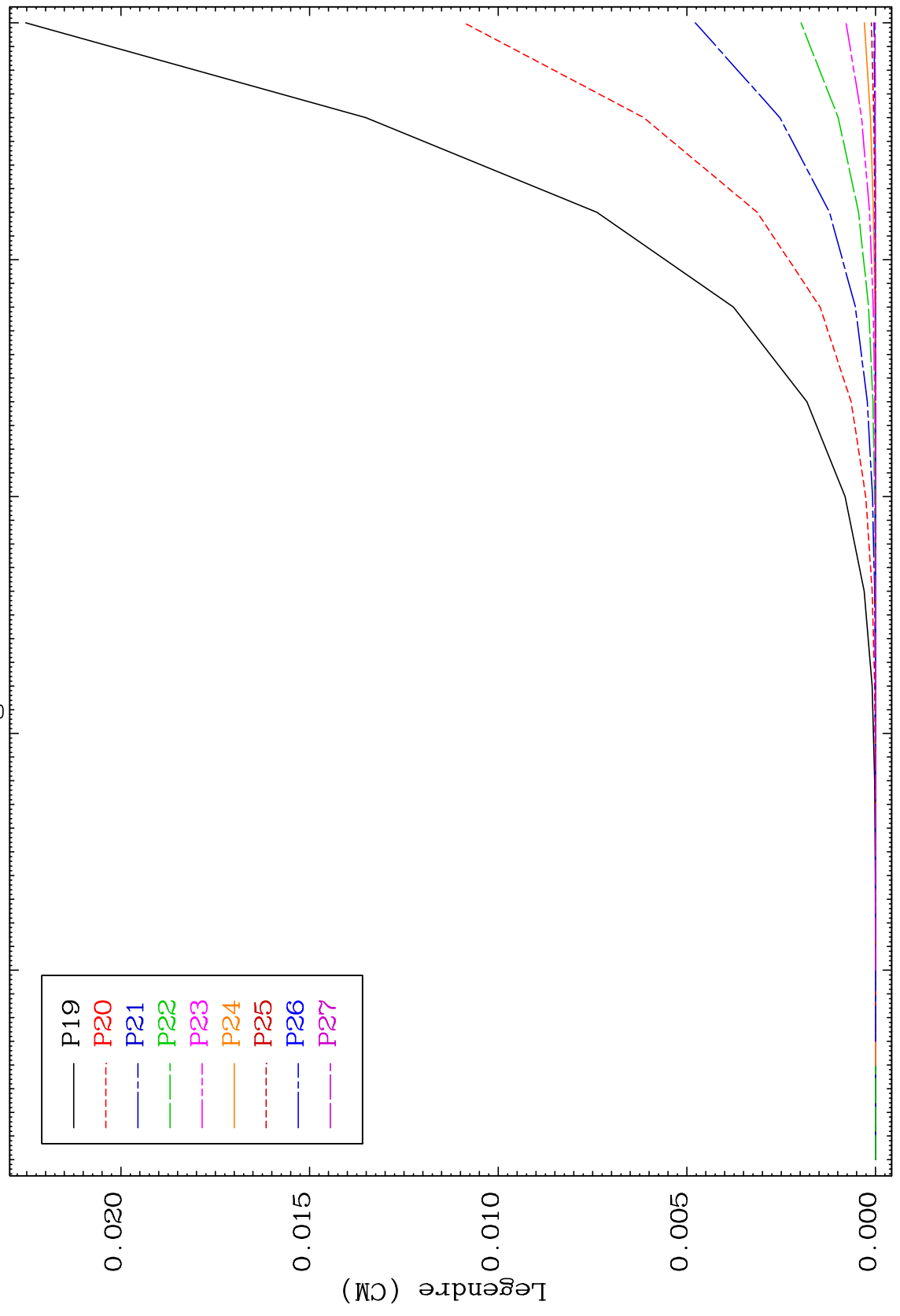
Incident Energy (MeV)

<sup>71</sup>Lu-169

MAT 7107

### Elastic Legendre Coefficients

71-Lu-169



18

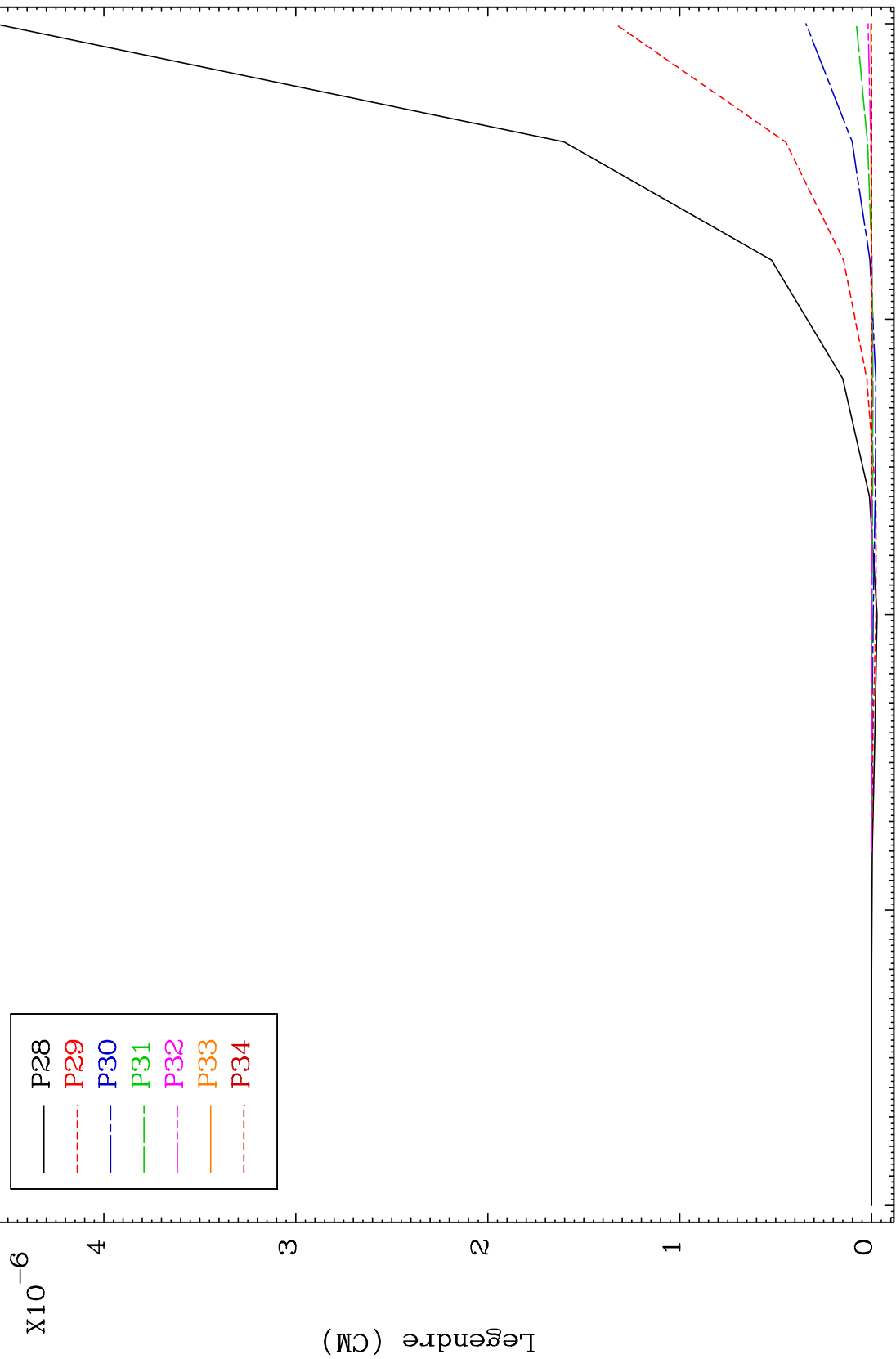
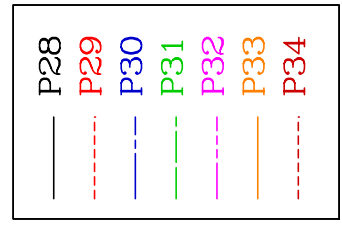
Incident Energy (MeV)

71-Lu-169

MAT 7107

Elastic Legendre Coefficients

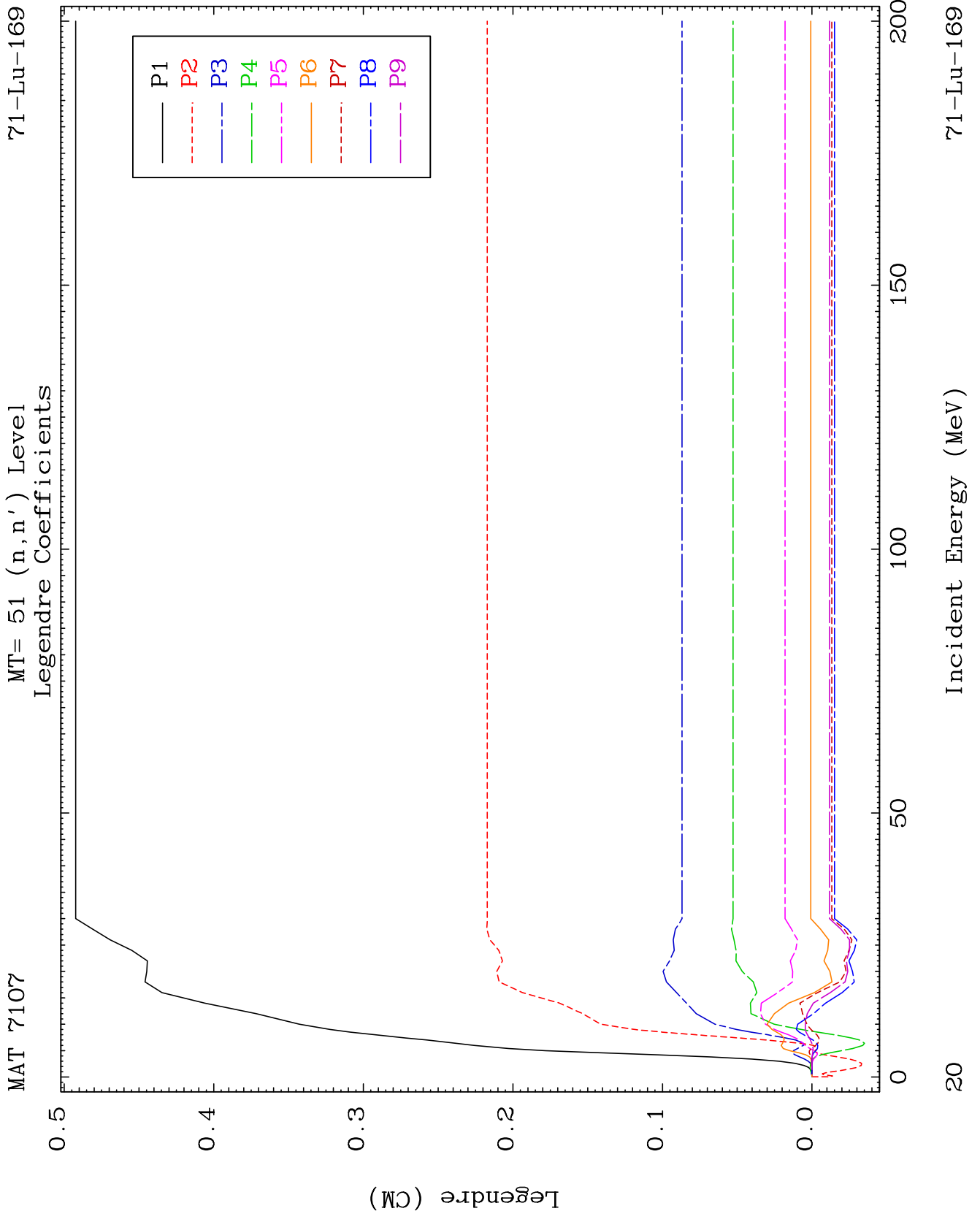
71-Lu-169



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Incident Energy (MeV)

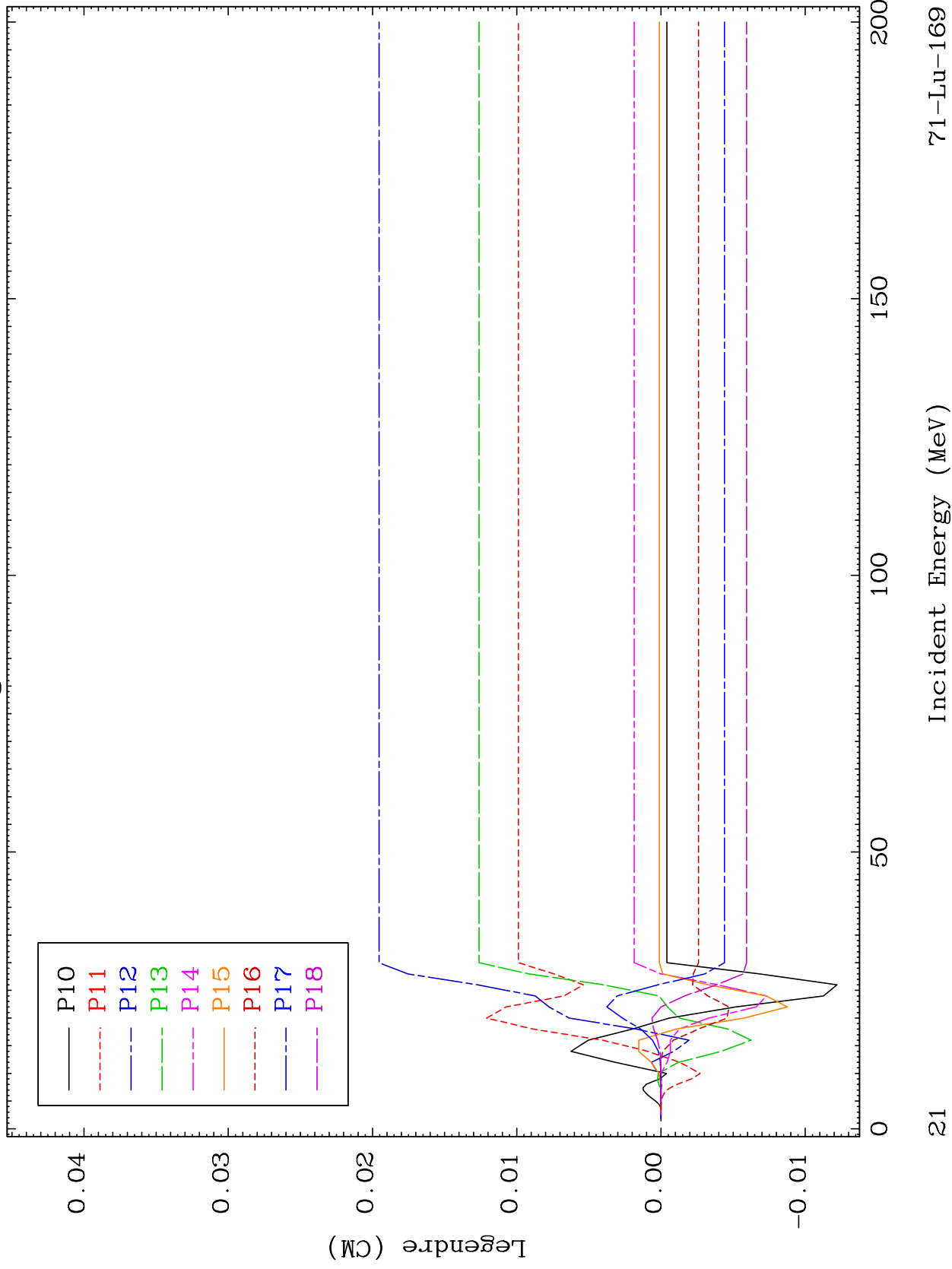
71-Lu-169



MAT 7107

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

71-Lu-169



21

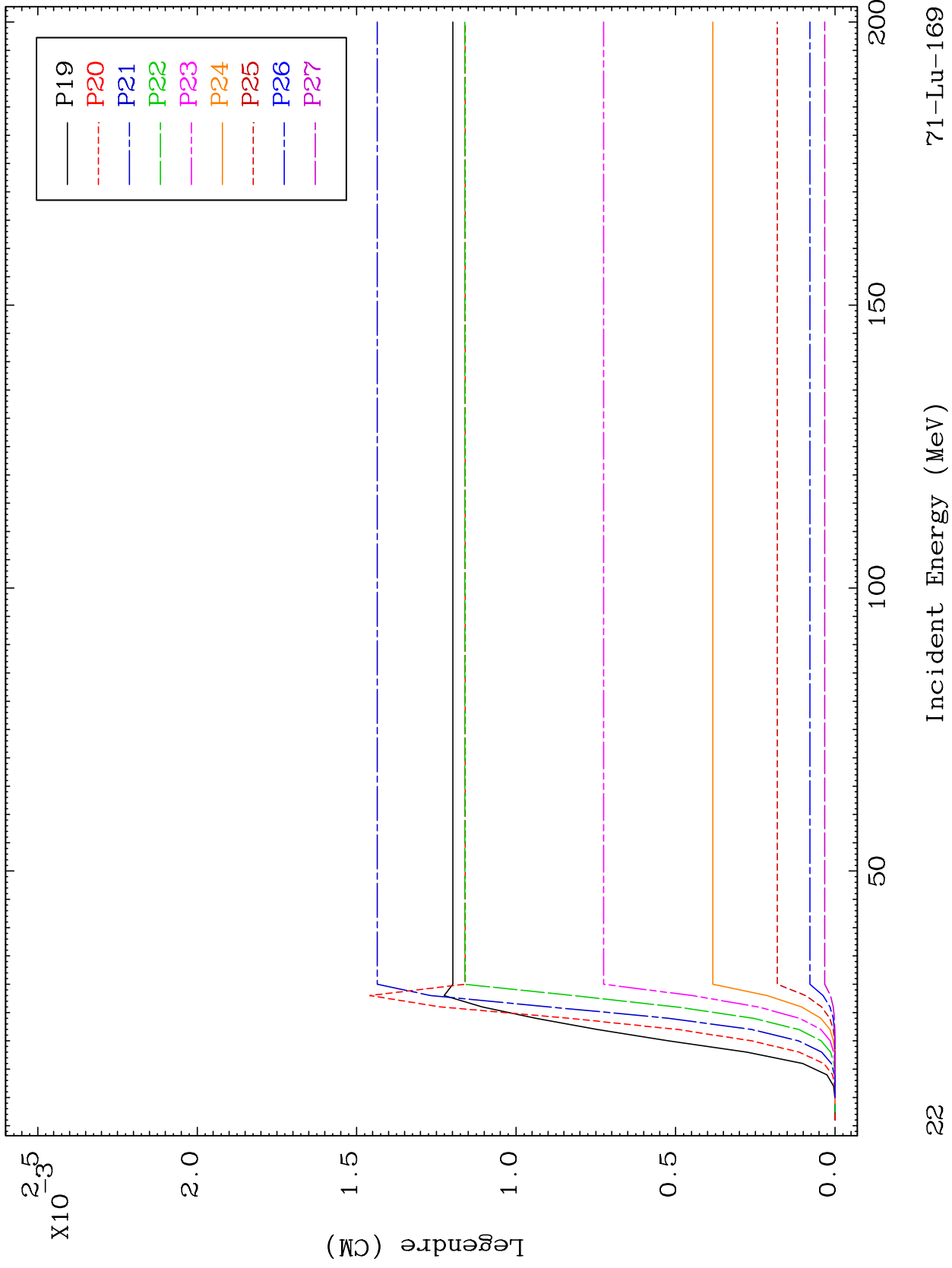
Incident Energy (MeV)

71-Lu-169

MAT 7107

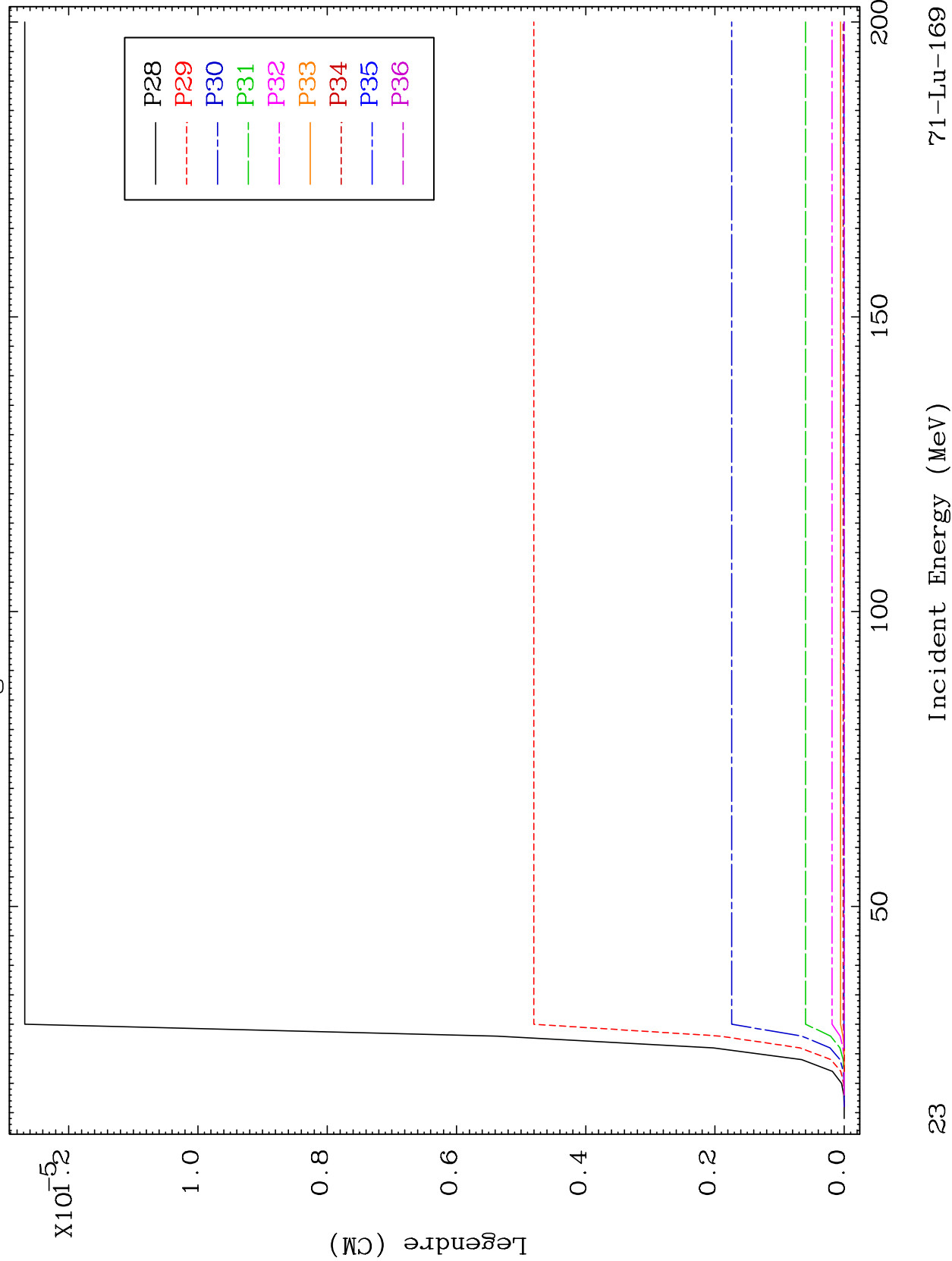
MT= 51 (n,n') Level  
Legendre Coefficients

71-Lu-169



22

71-Lu-169

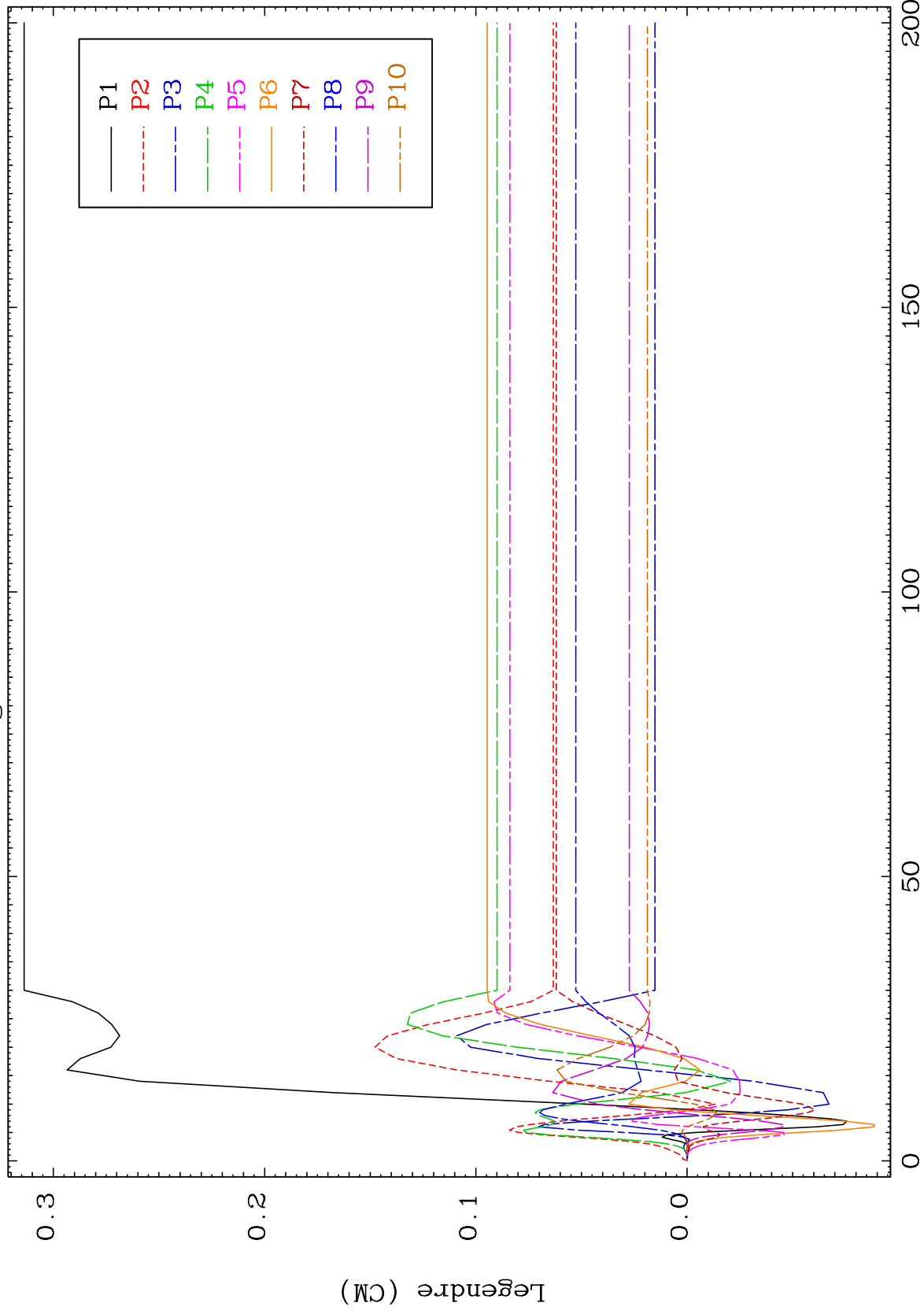




MAT 7107

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

71-Lu-169



24

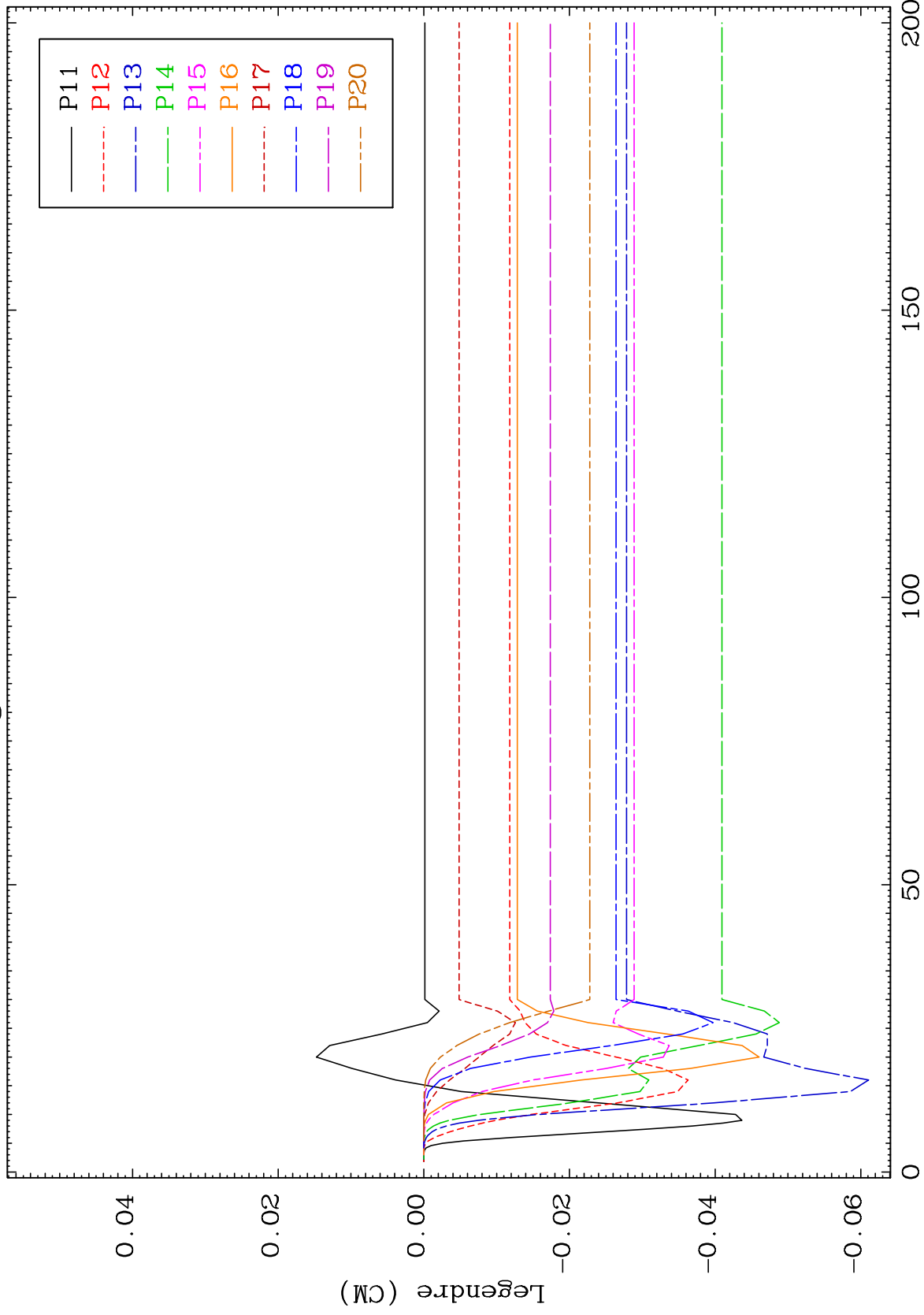
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

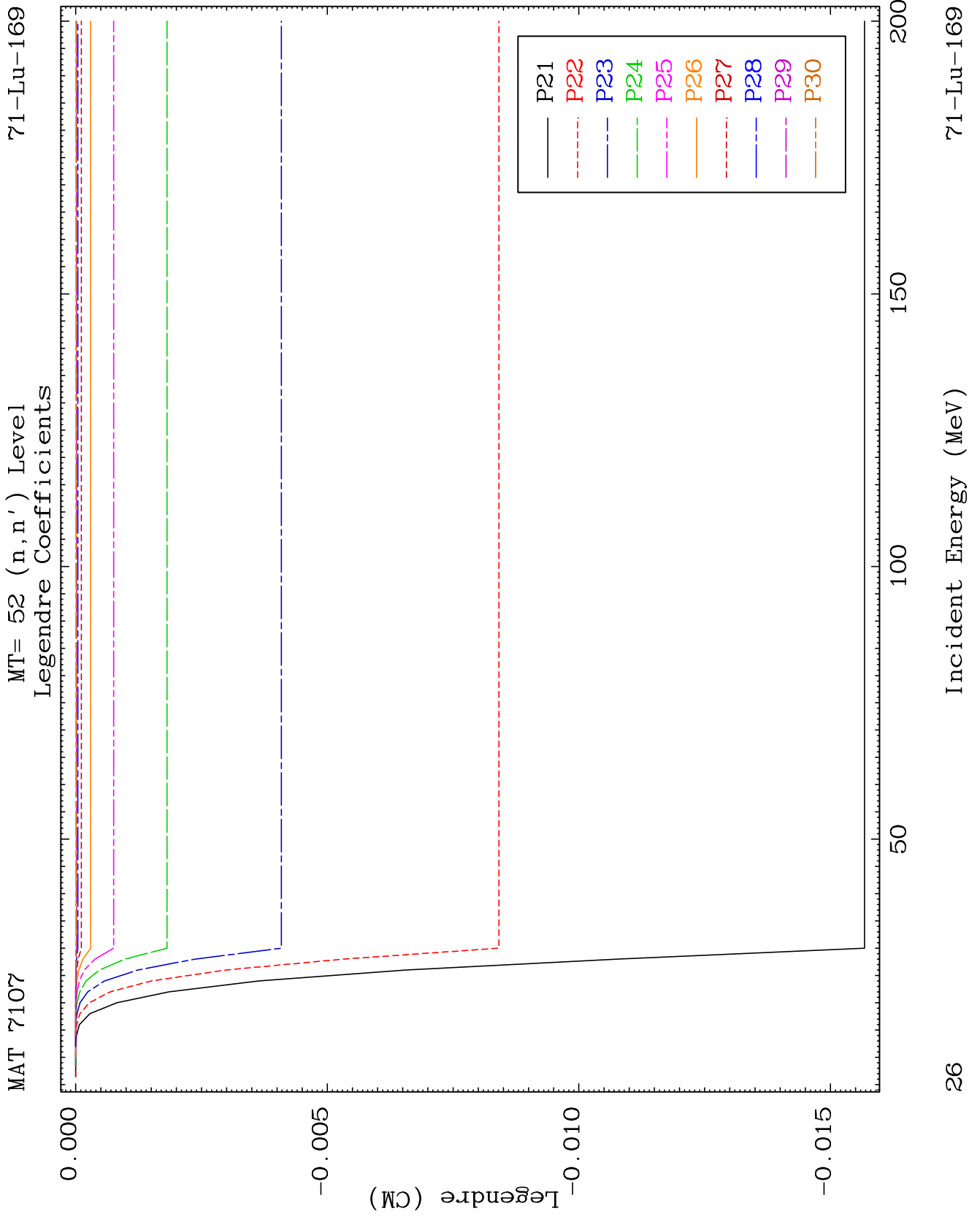
71-Lu-169



71-Lu-169

Incident Energy (MeV)

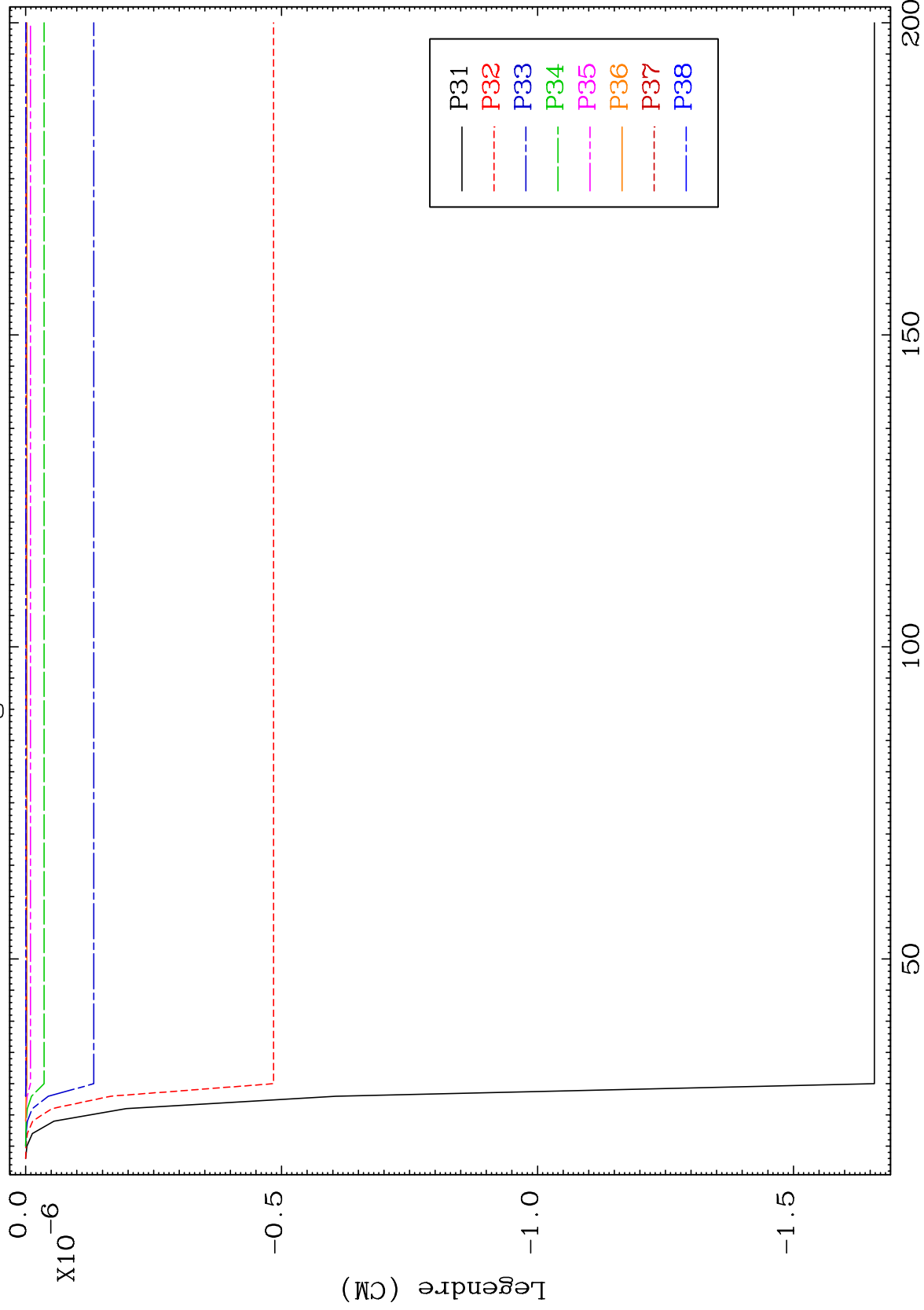
25



MAT 7107

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

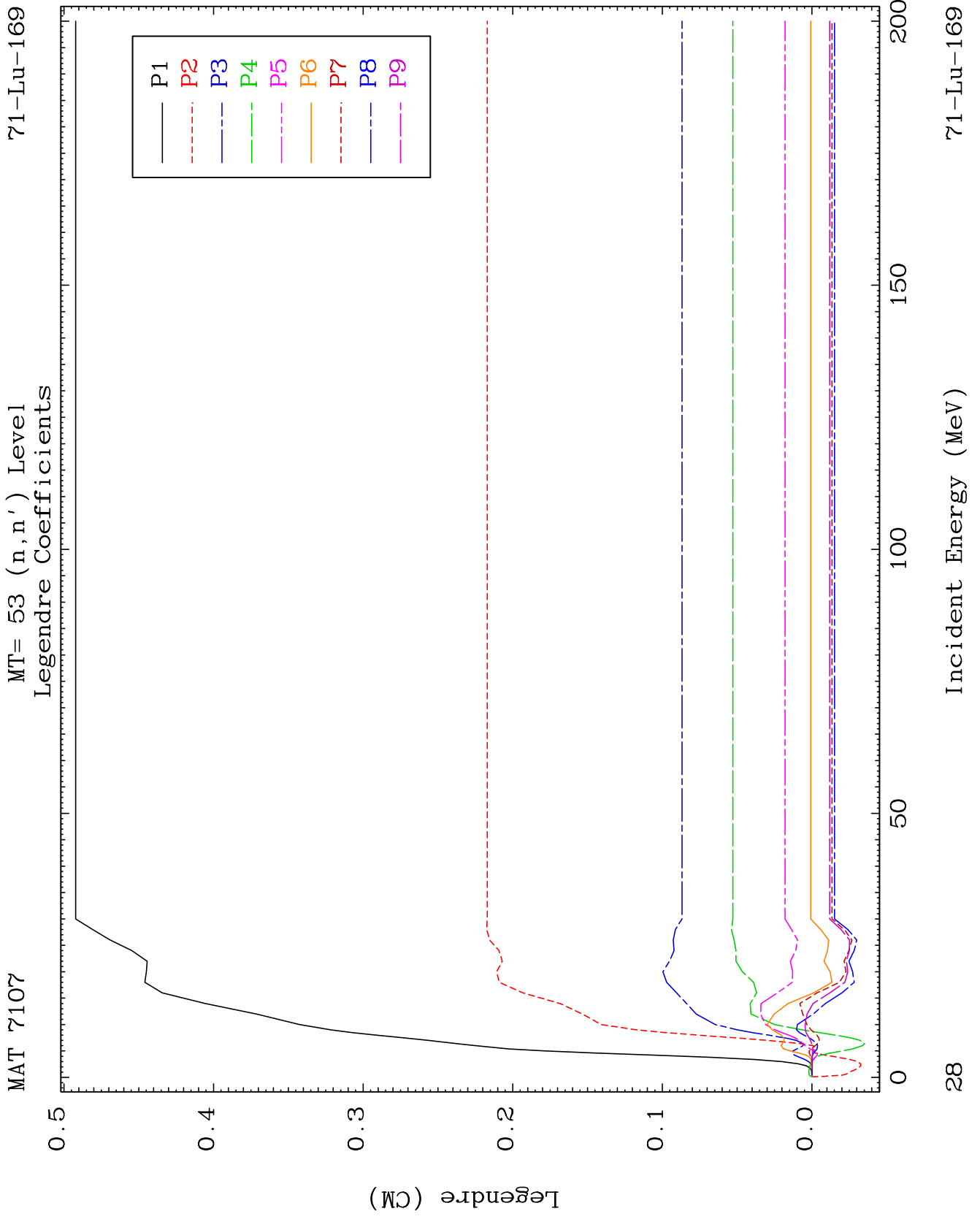
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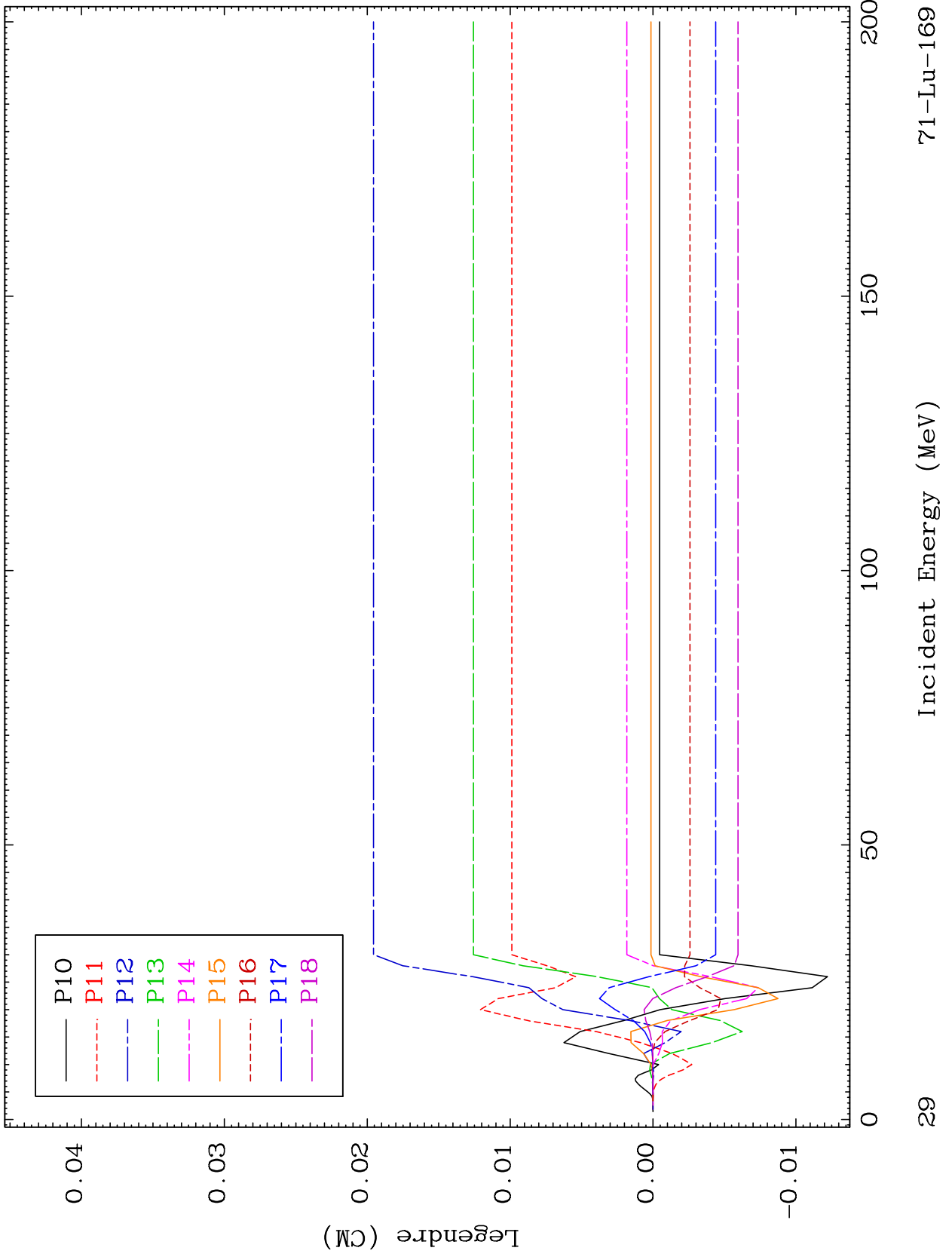


27

Incident Energy (MeV)

71-Lu-169

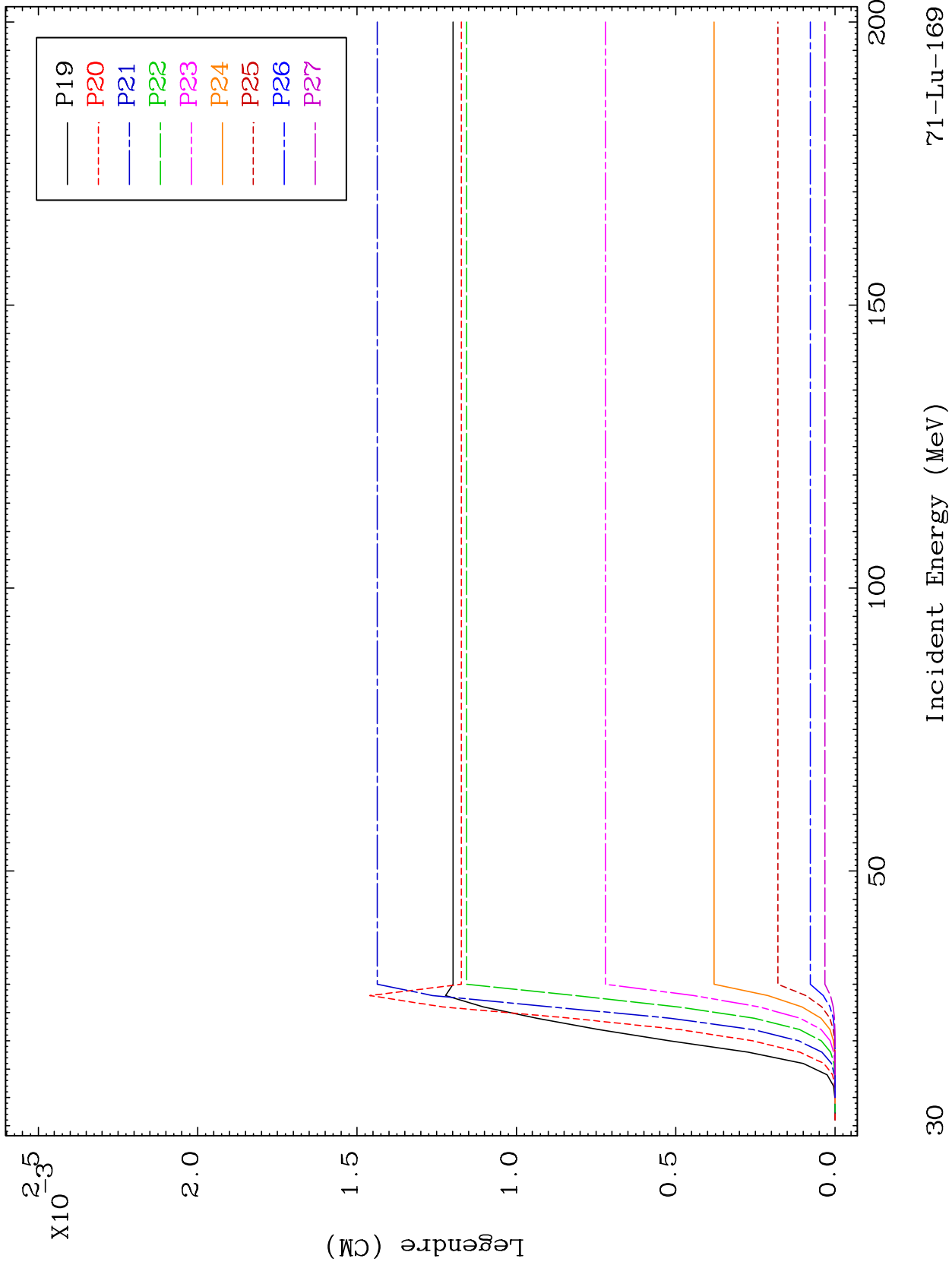




MAT 7107

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

71-Lu-169



71-Lu-169

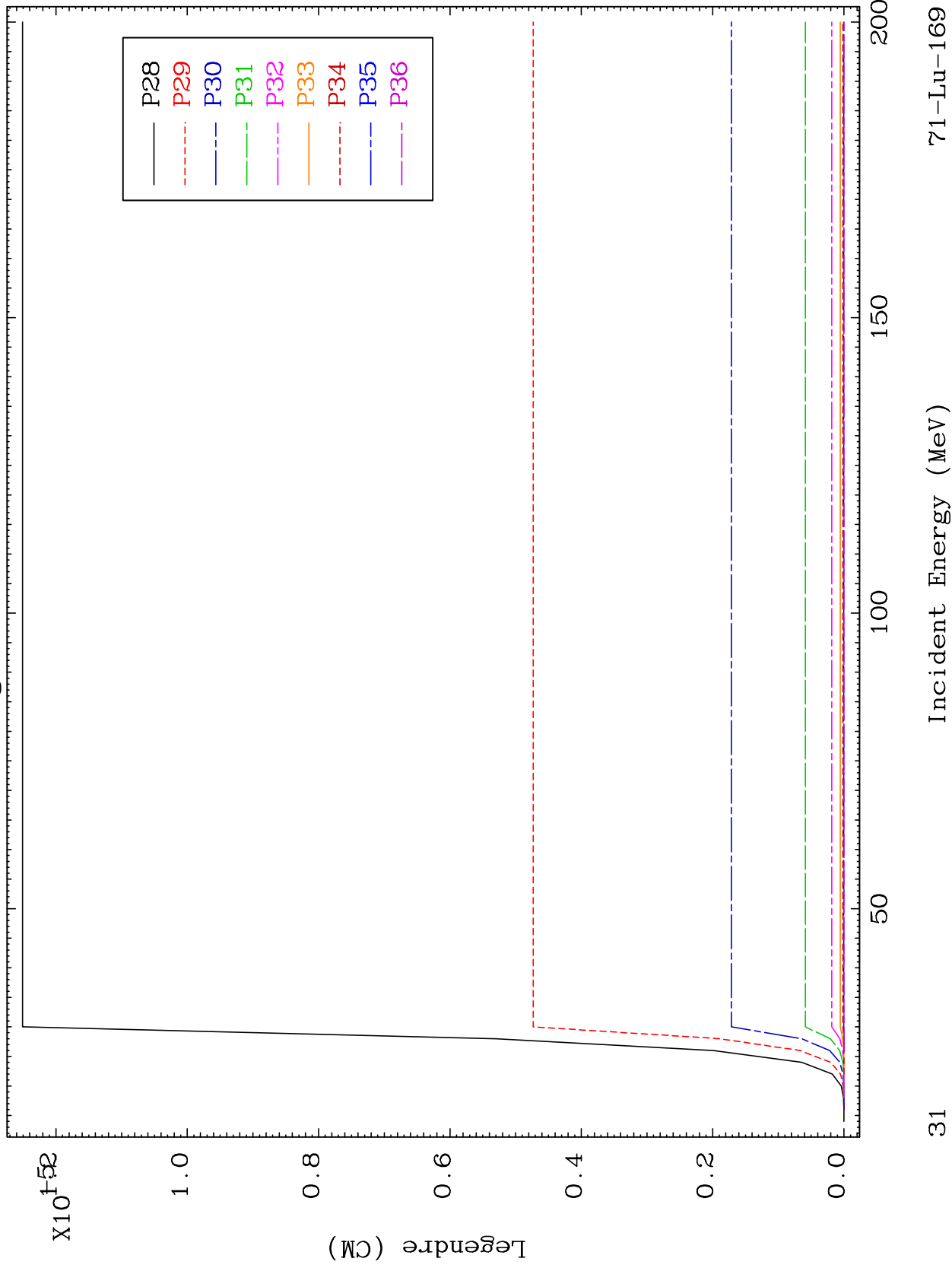
Incident Energy (MeV)

30

MAT 7107

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

71-Lu-169

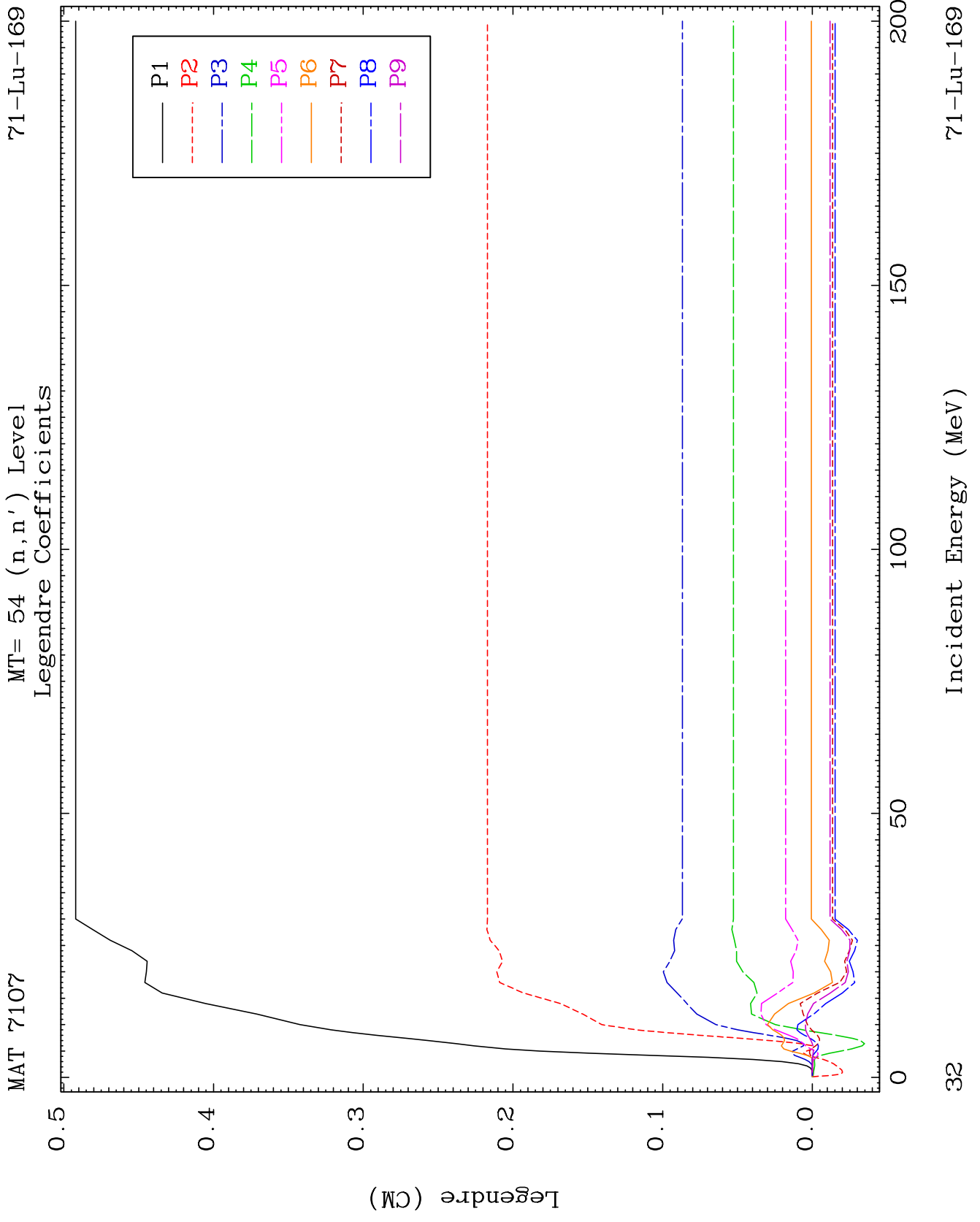


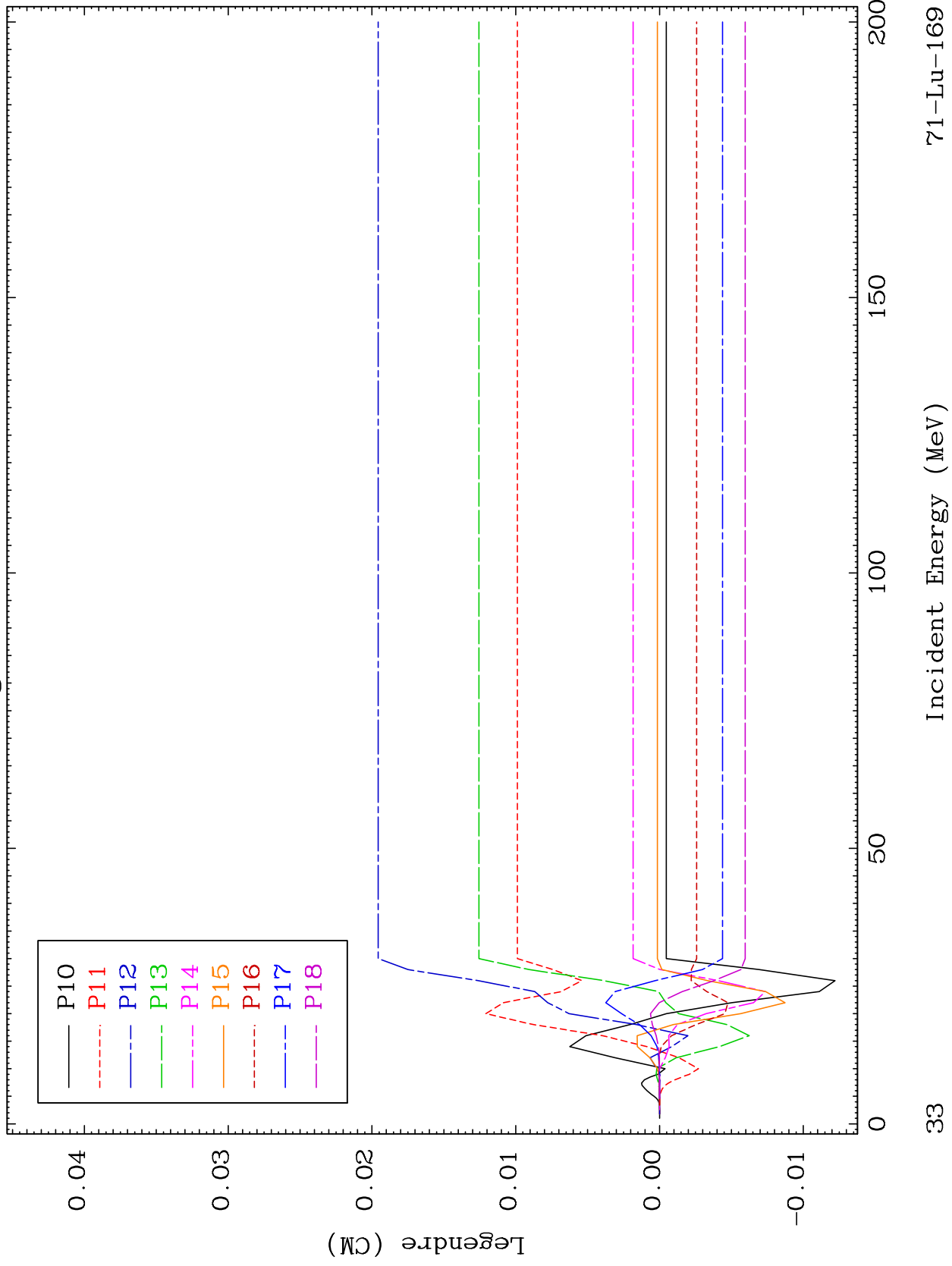
31

Incident Energy (MeV)

71-Lu-169



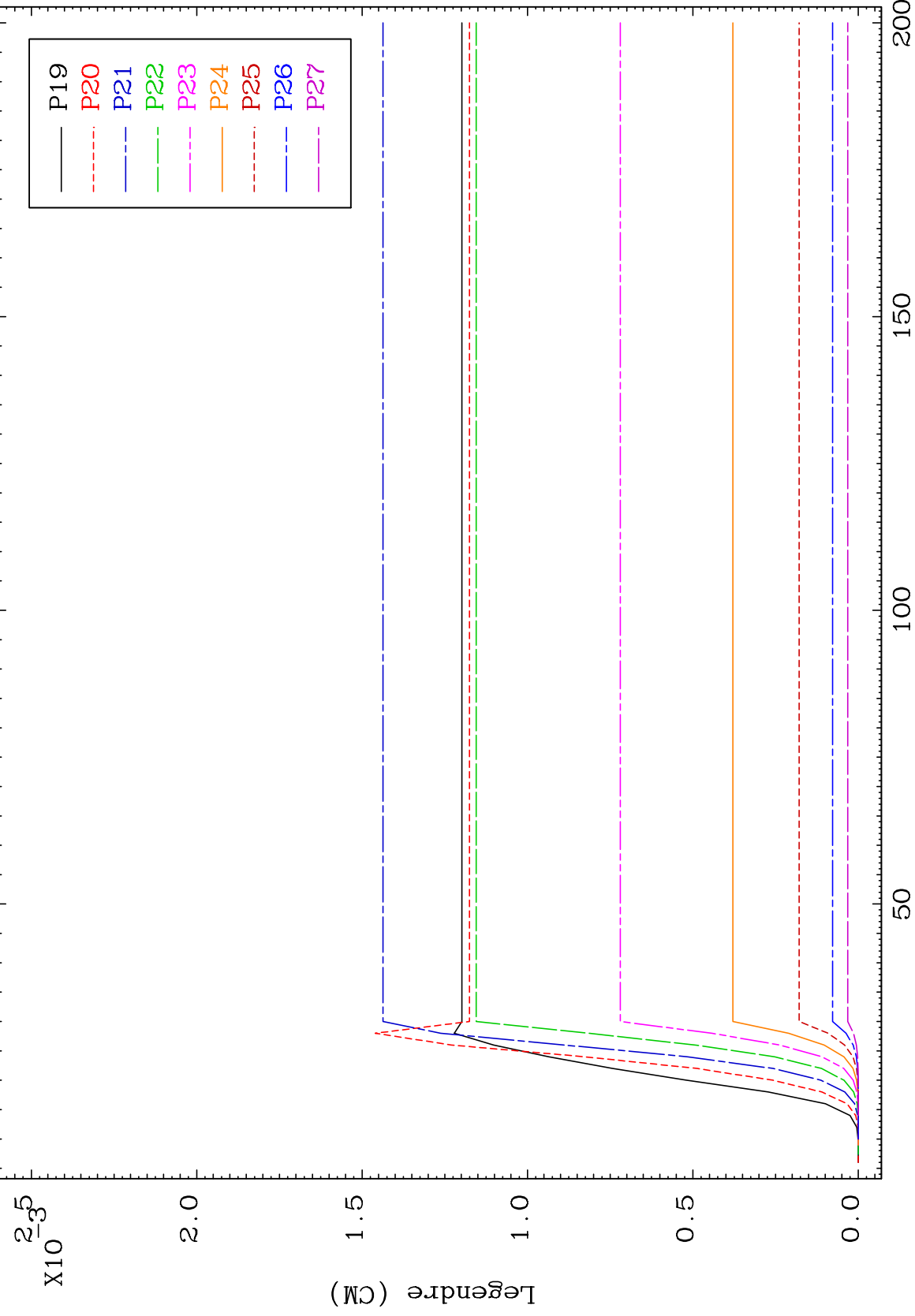




MAT 7107

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

71-Lu-169



34

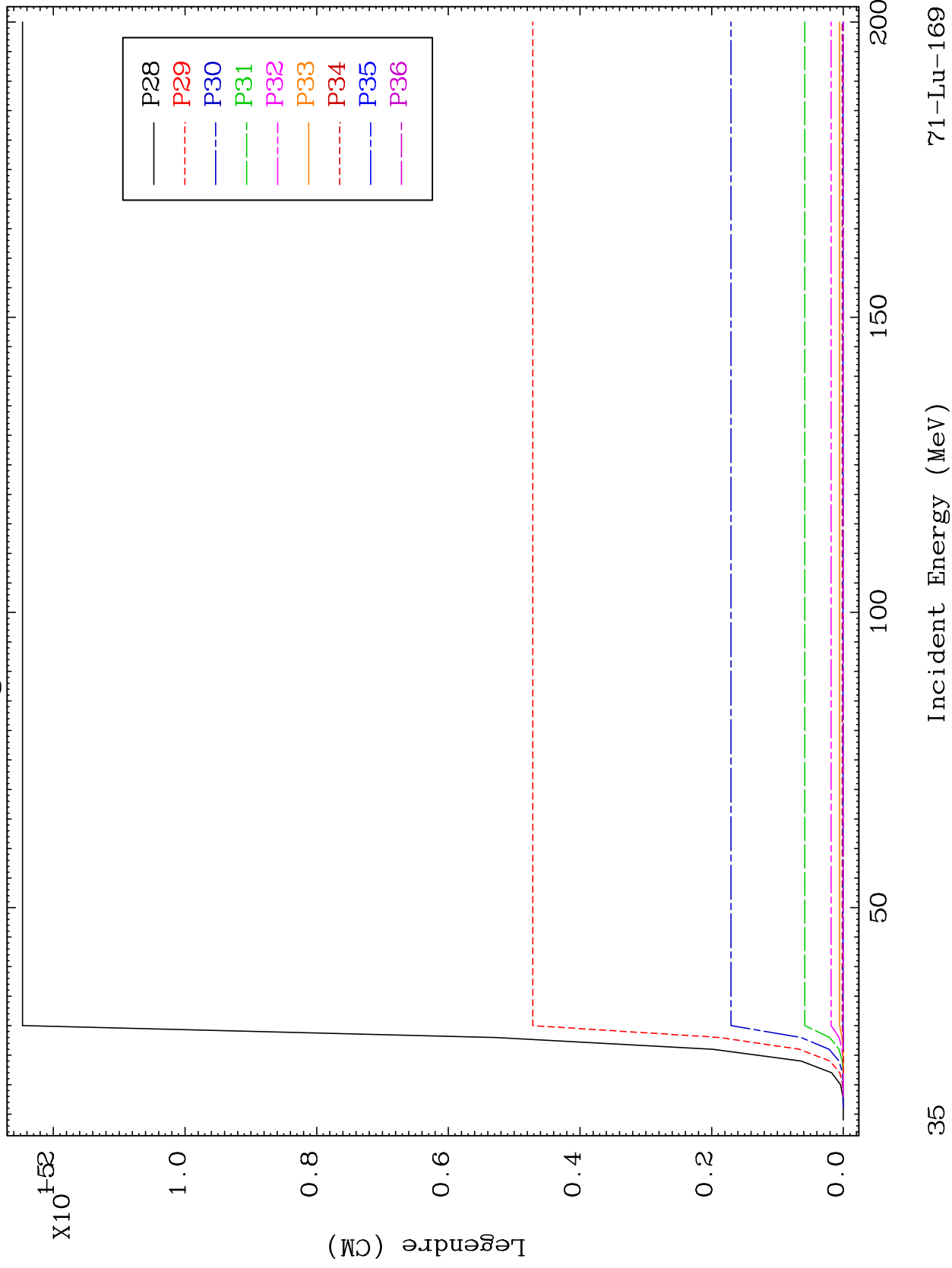
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

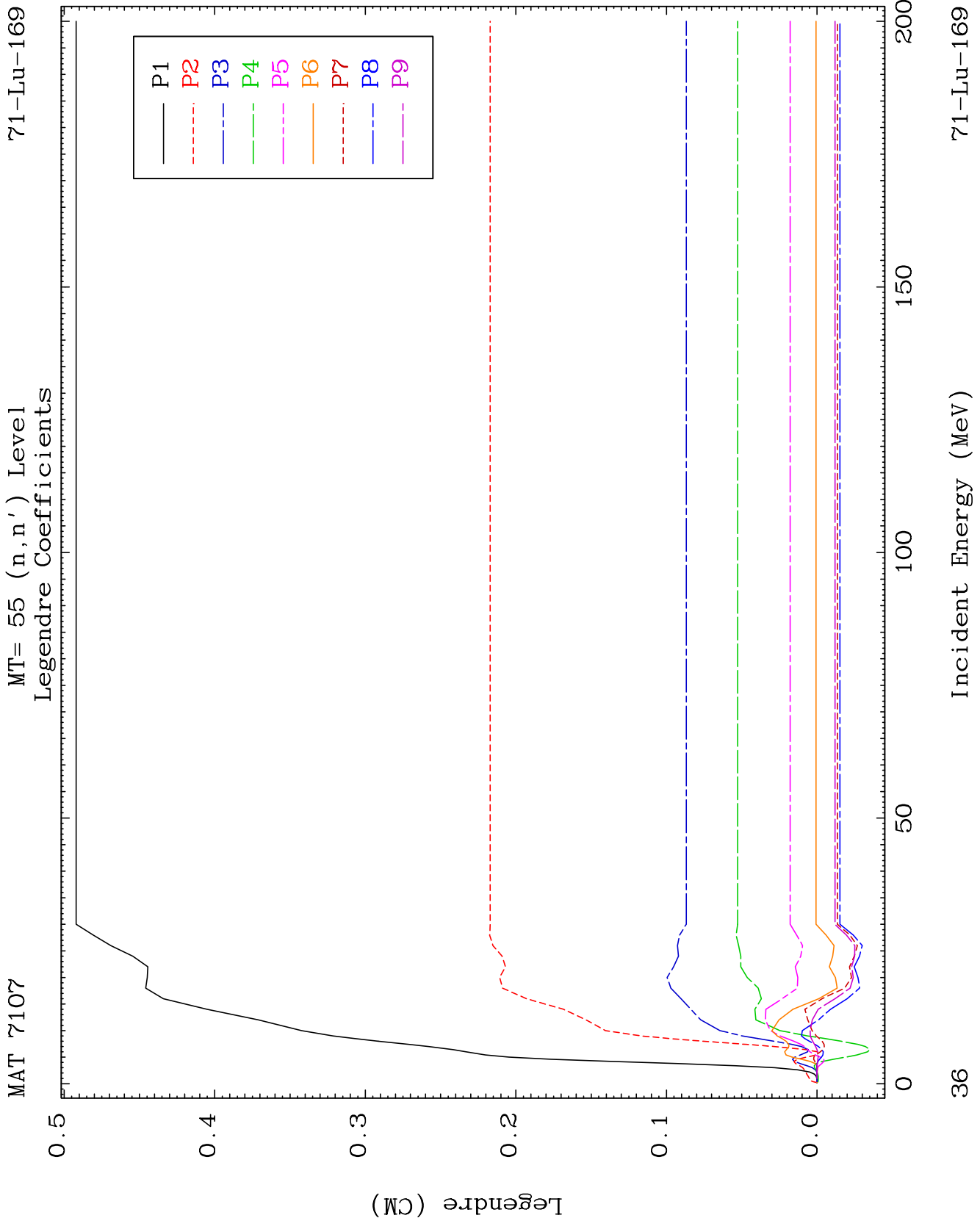
71-Lu-169



35

Incident Energy (MeV)

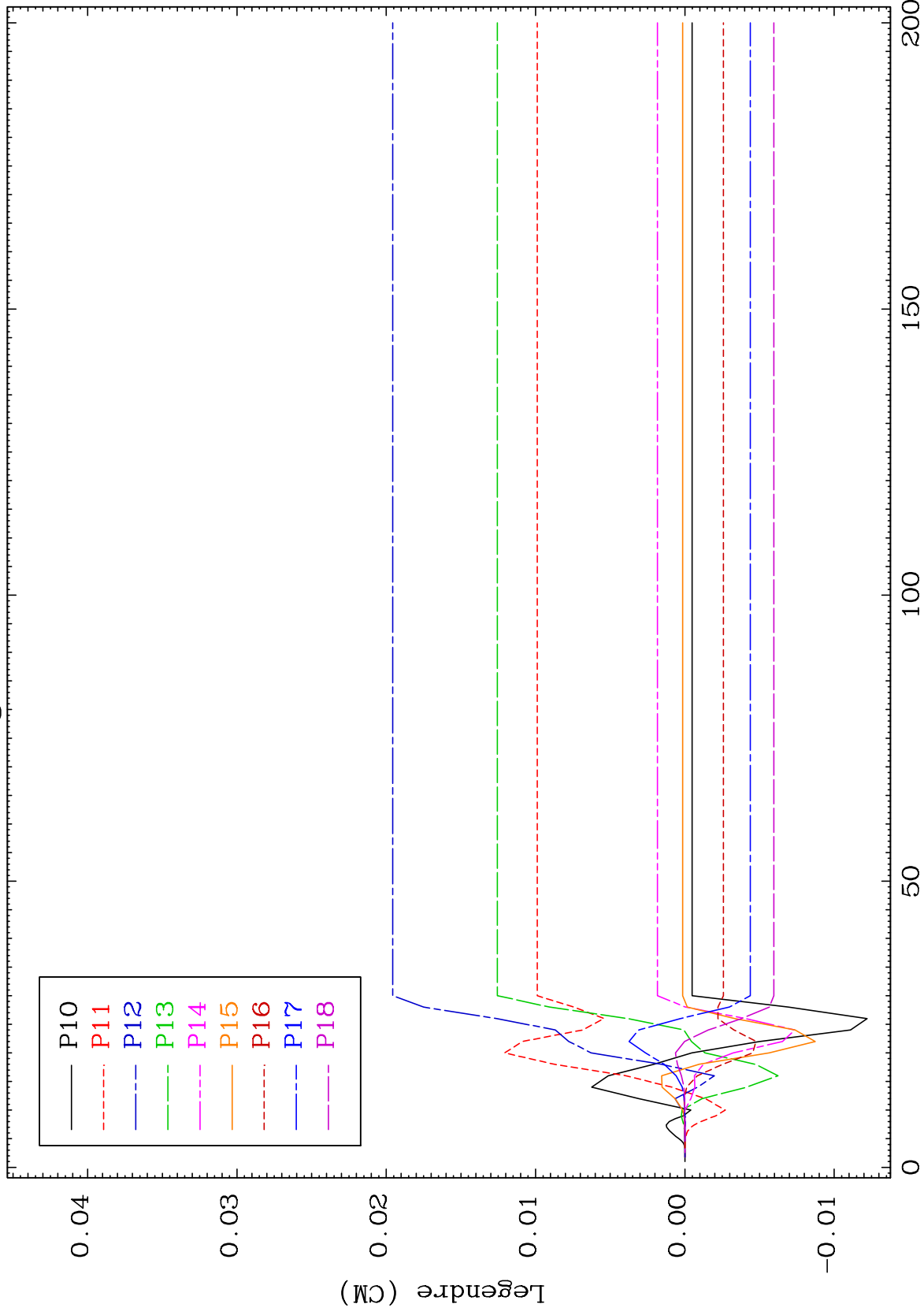
71-Lu-169



MAT 7107

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

71-Lu-169



37

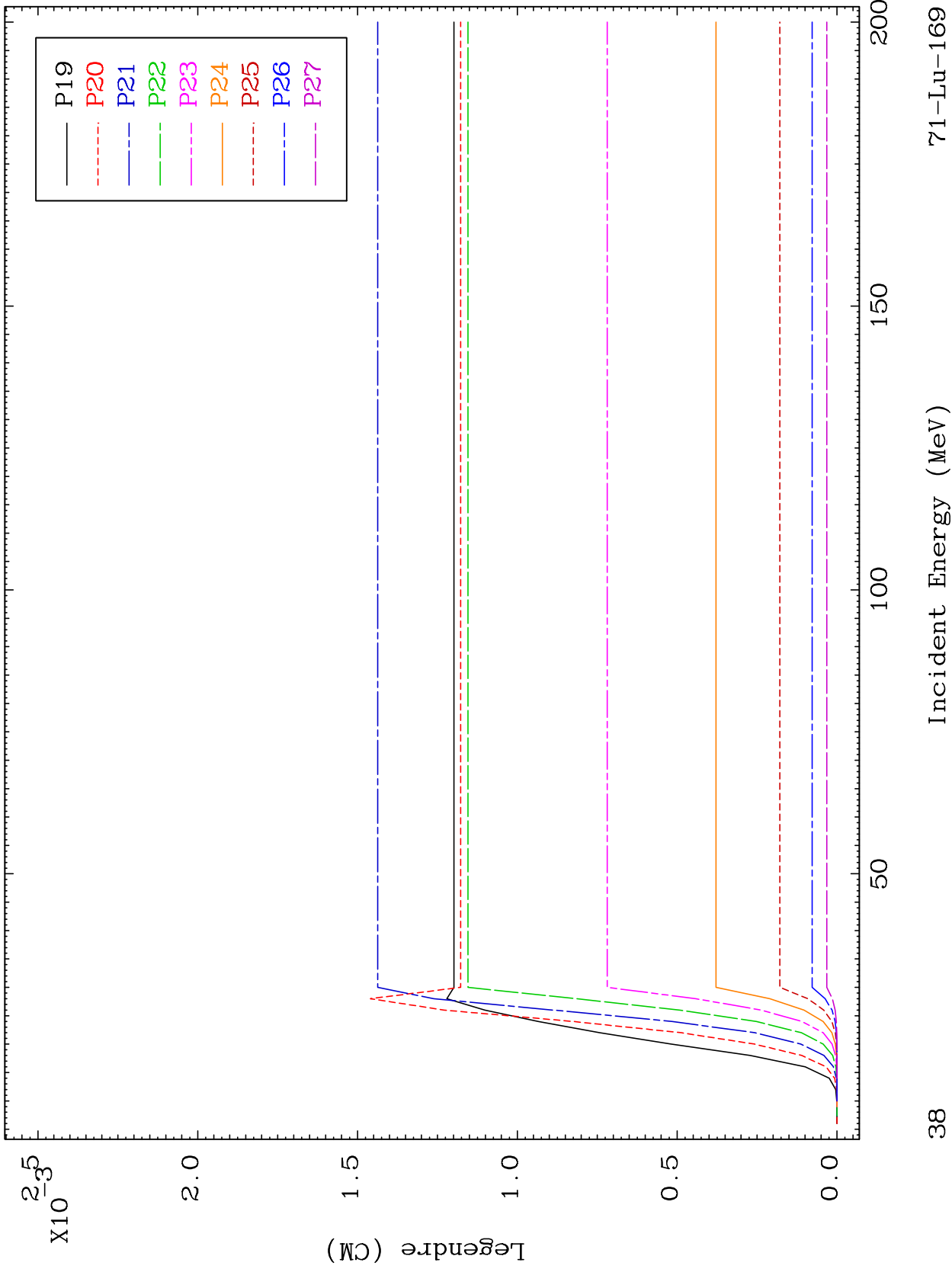
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



38

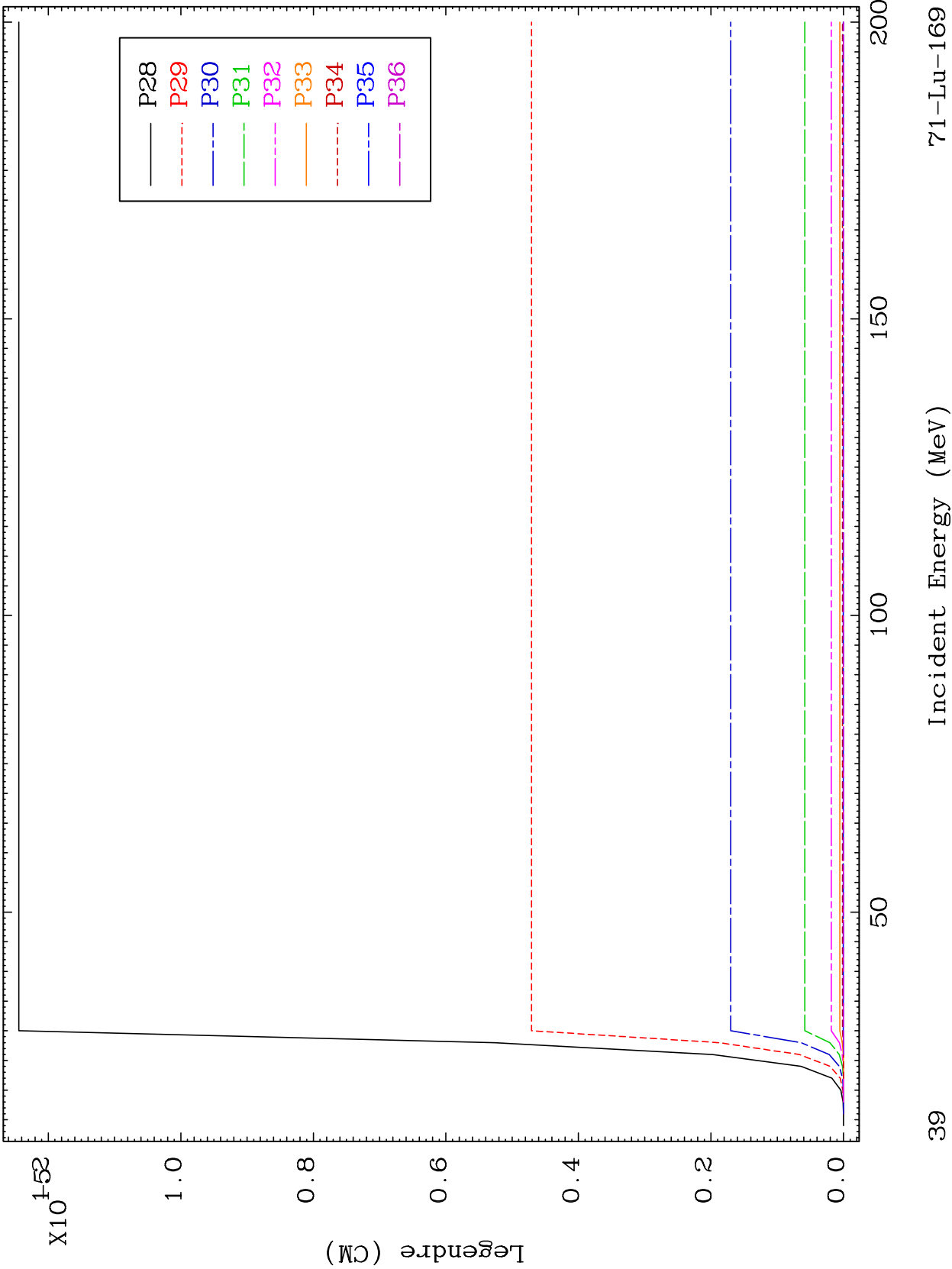
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



39

Incident Energy (MeV)

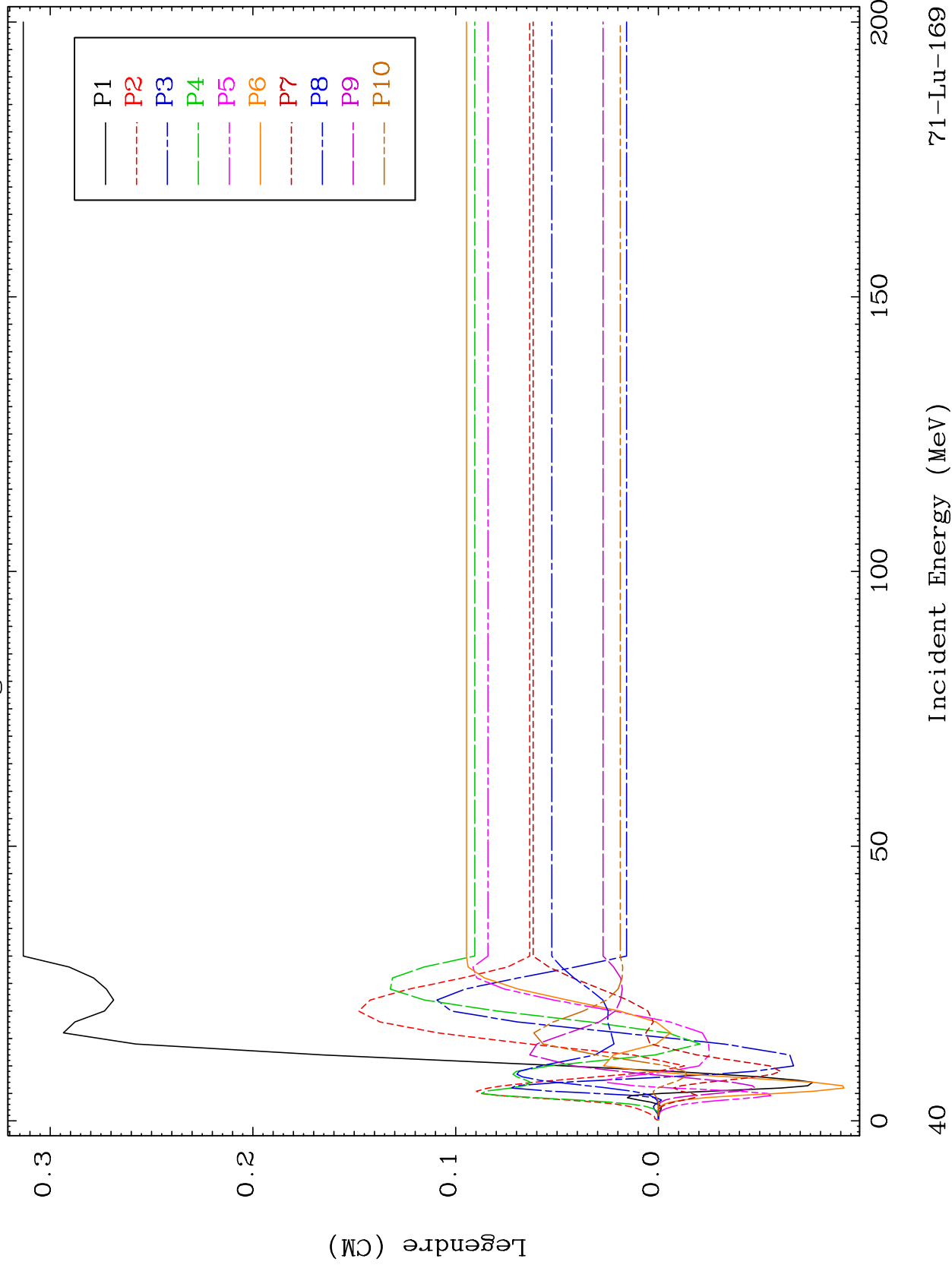
71-Lu-169



MAT 7107

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

71-Lu-169



71-Lu-169

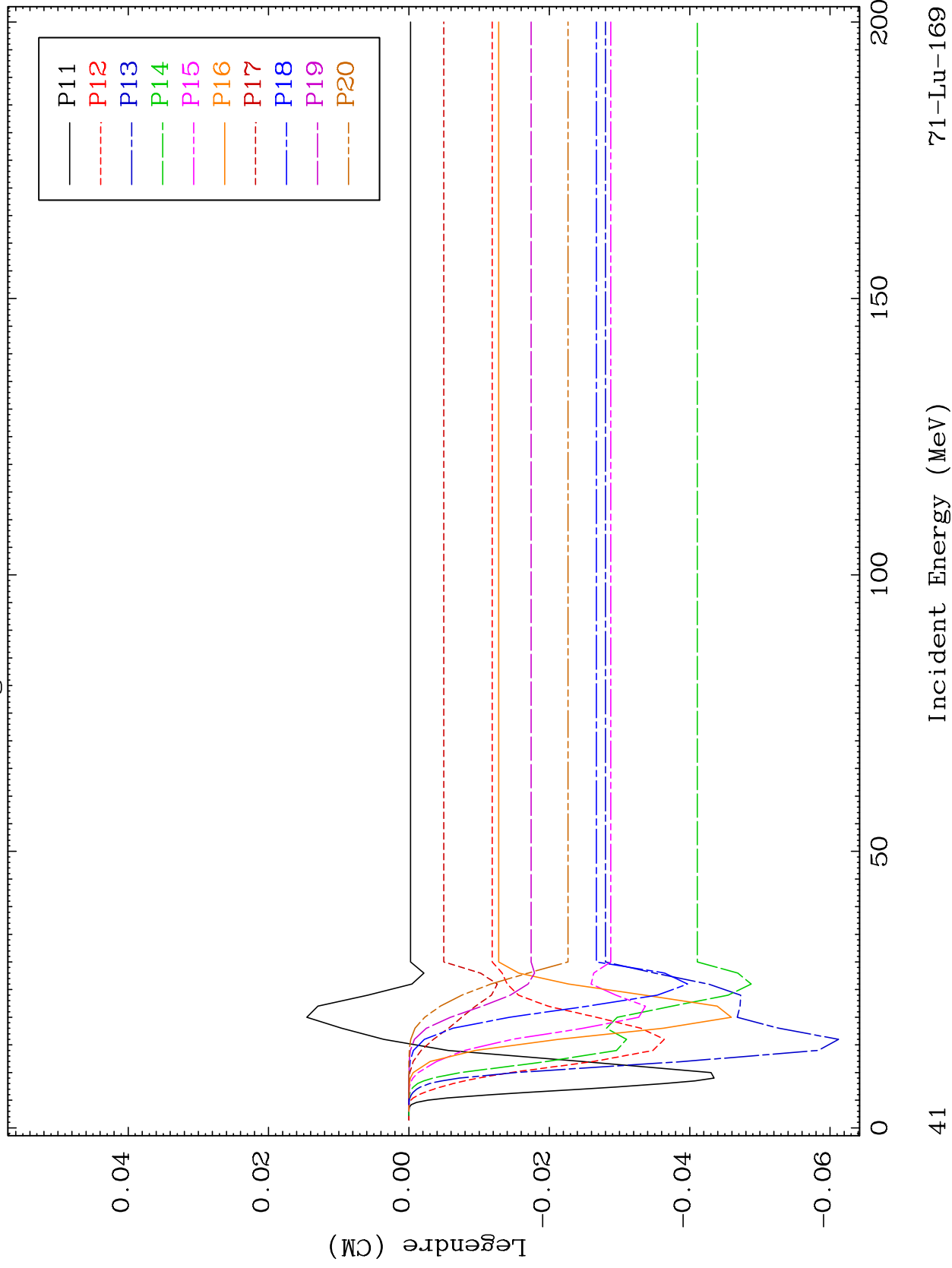
Incident Energy (MeV)

40

MAT 7107

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

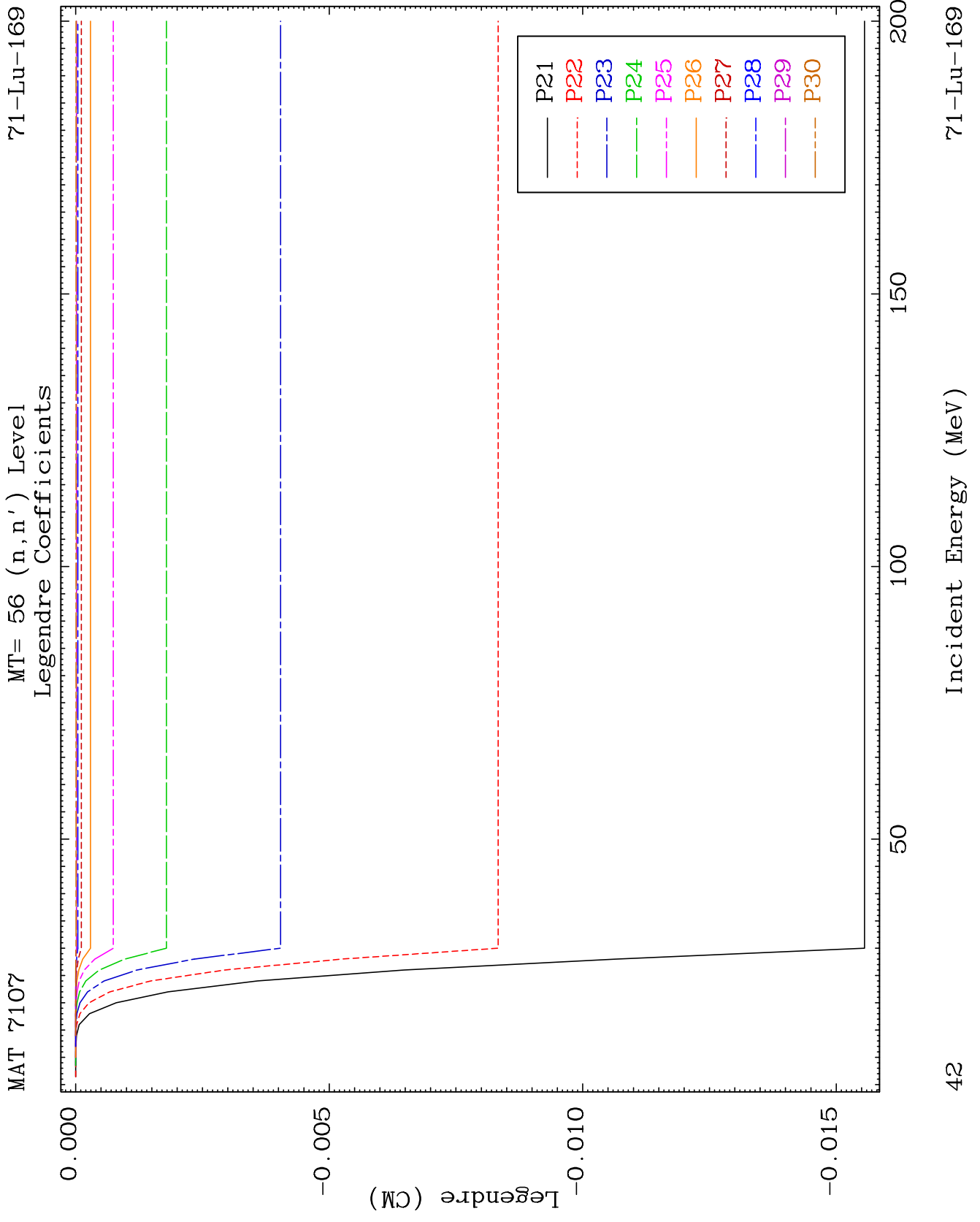
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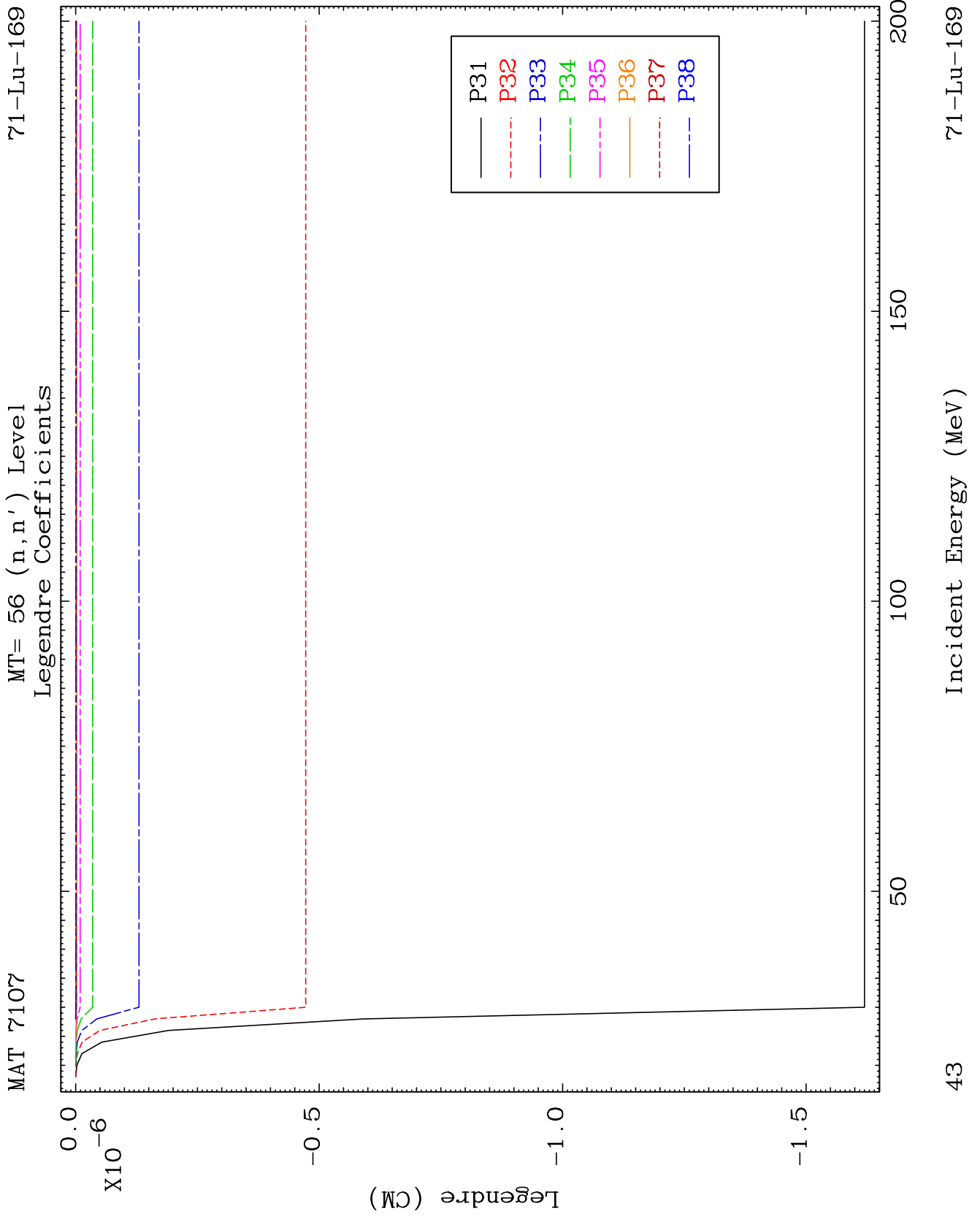


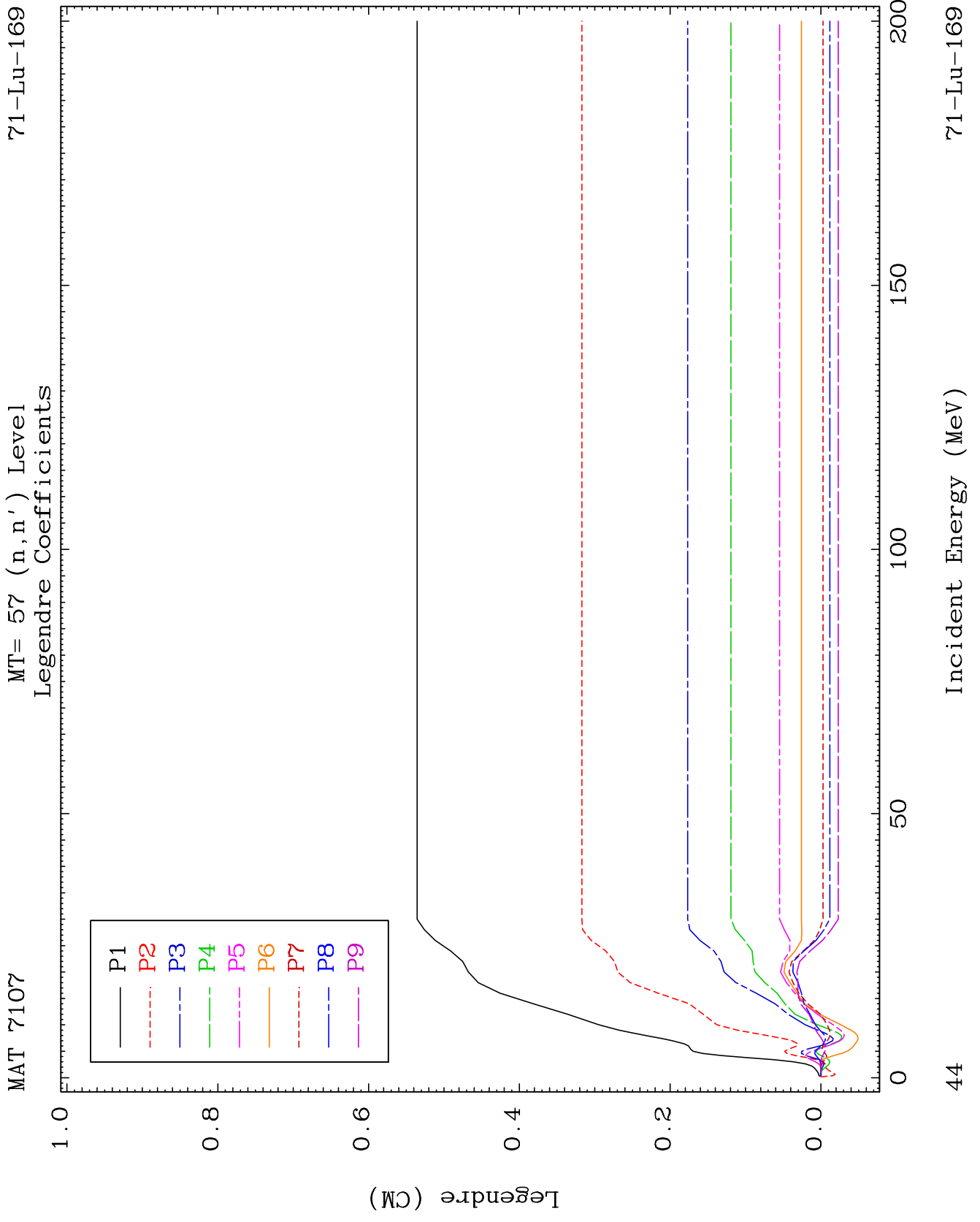
71-Lu-169

Incident Energy (MeV)

41



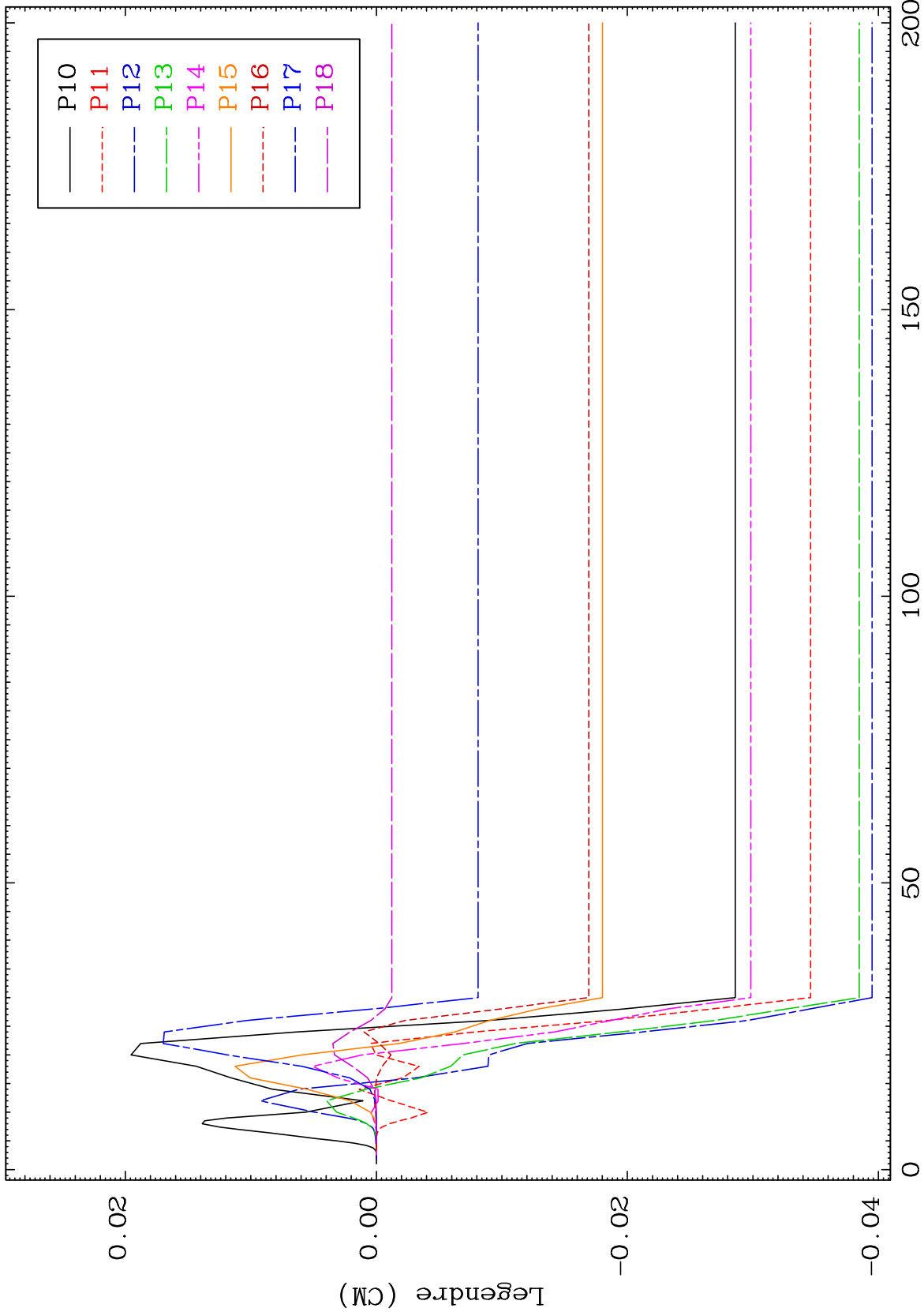




MAT 7107

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

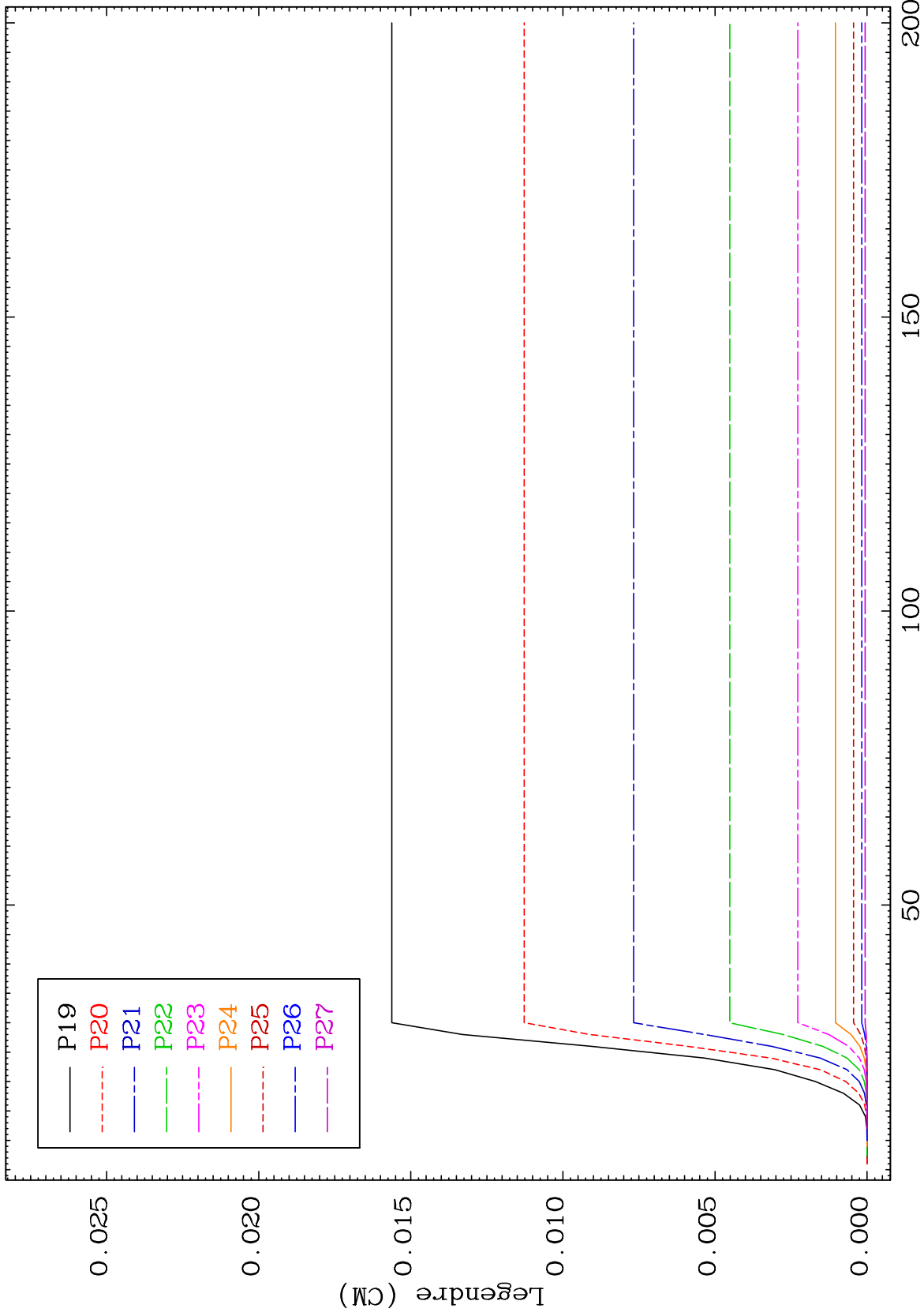
71-Lu-169



45

Incident Energy (MeV)

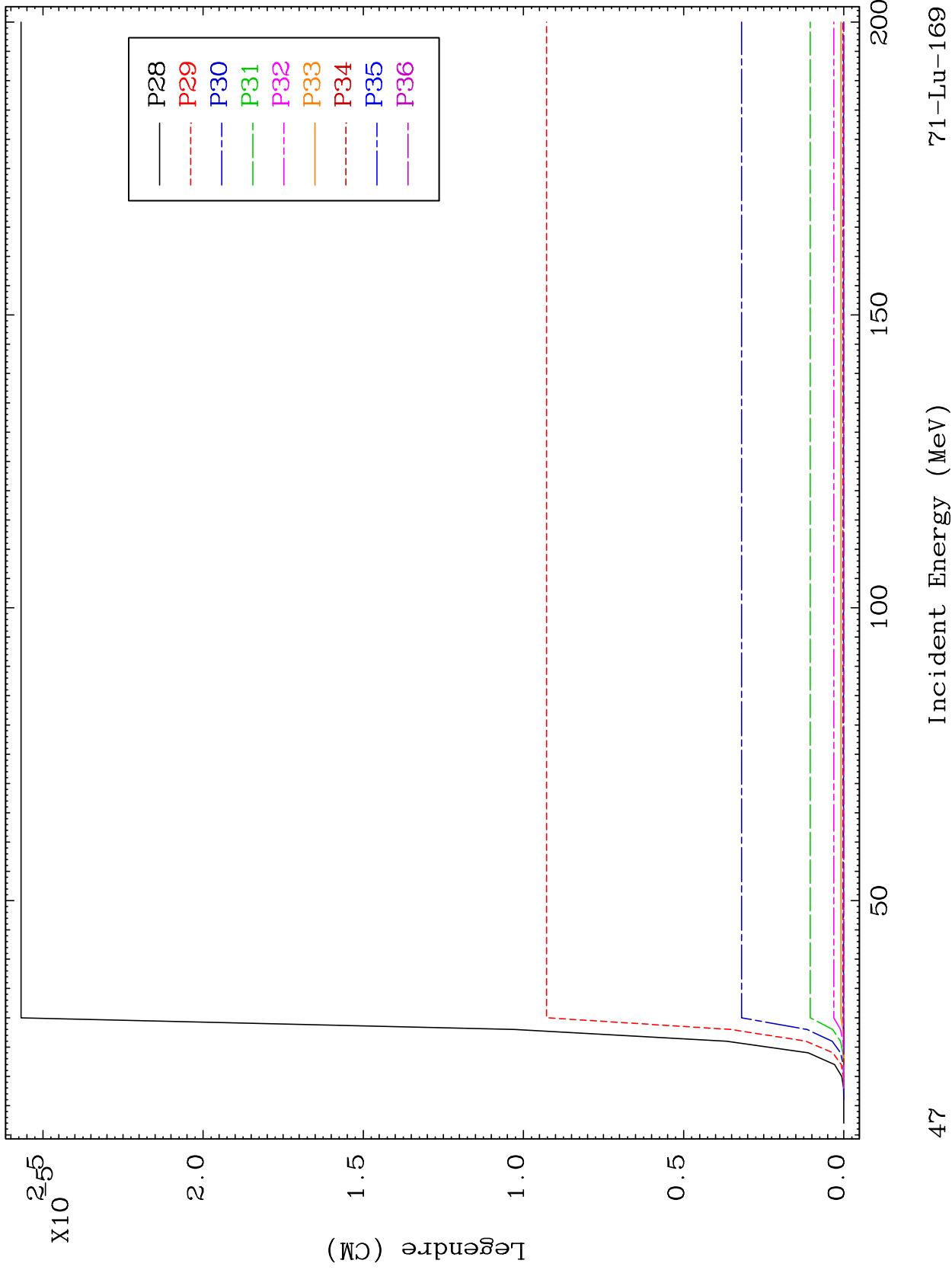
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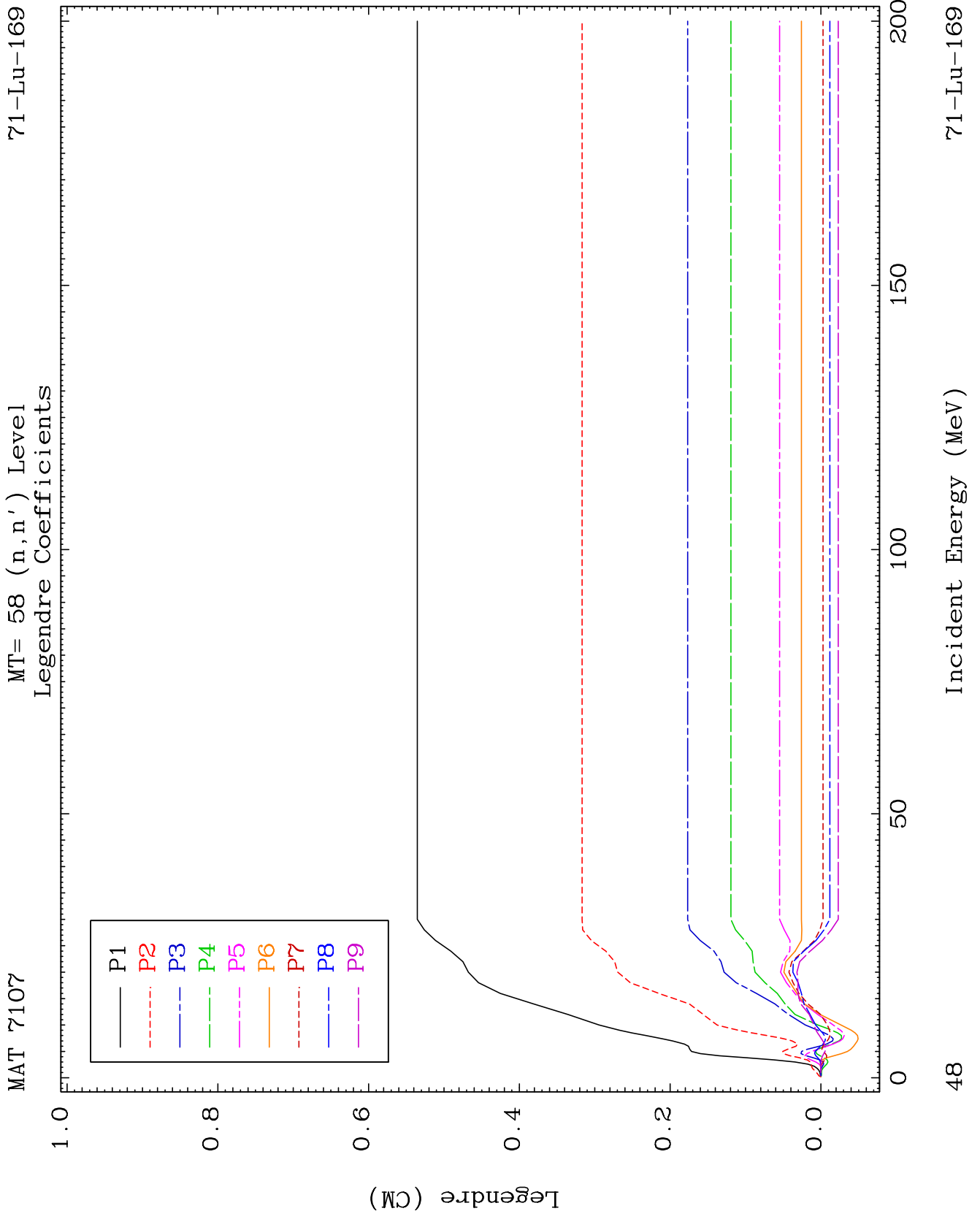
MAT 7107

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

71-Lu-169



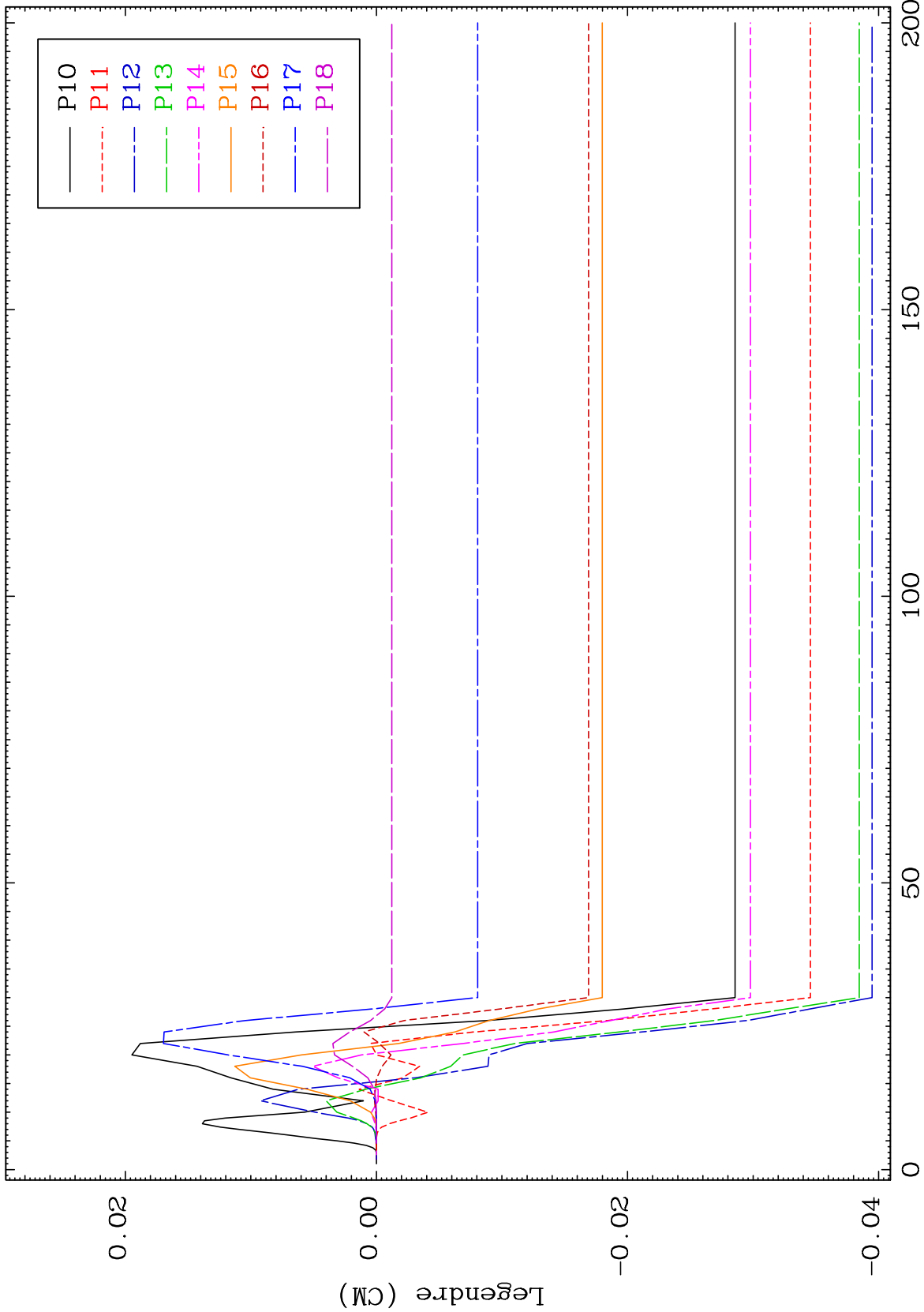




MAT 7107

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

71-Lu-169



49

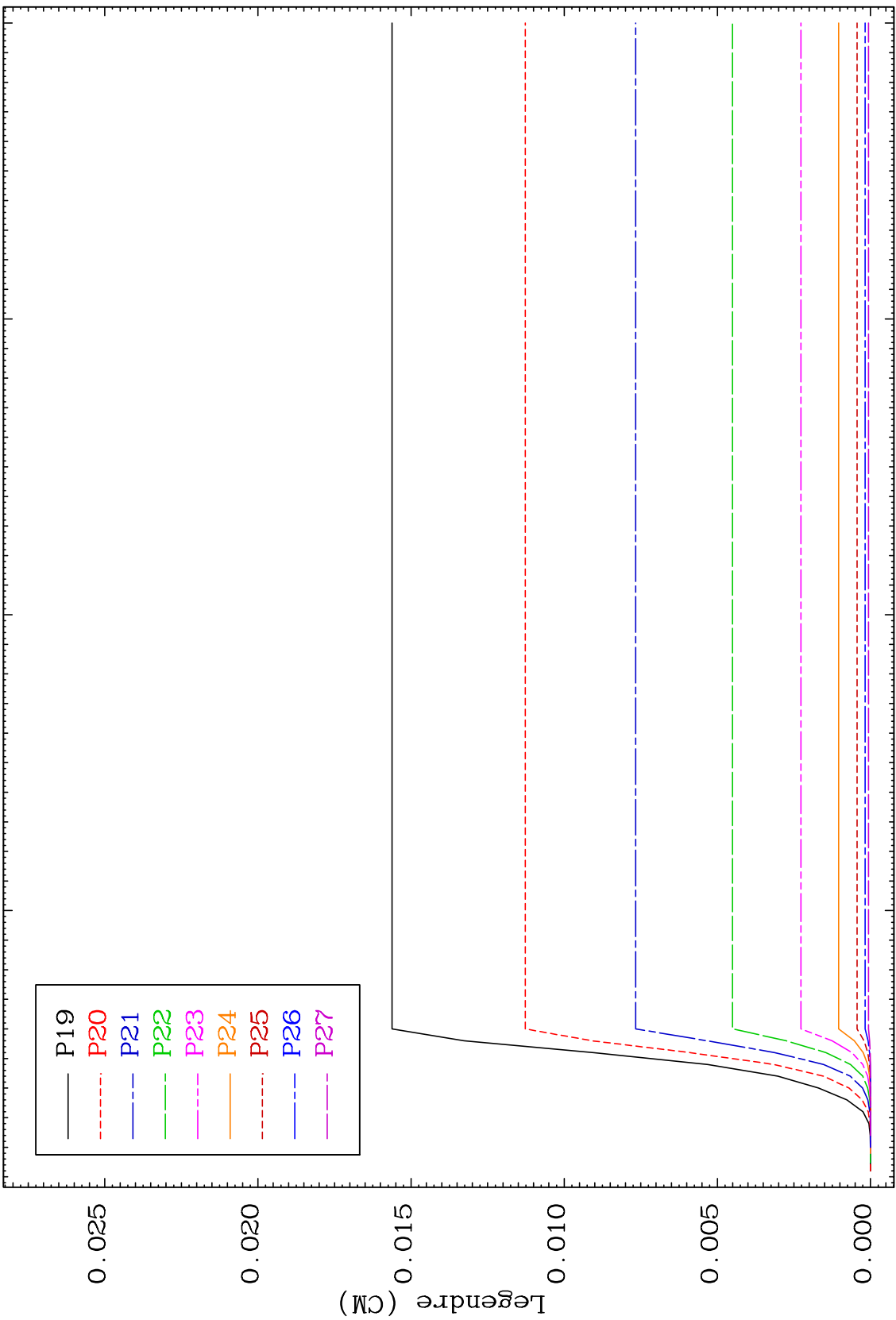
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

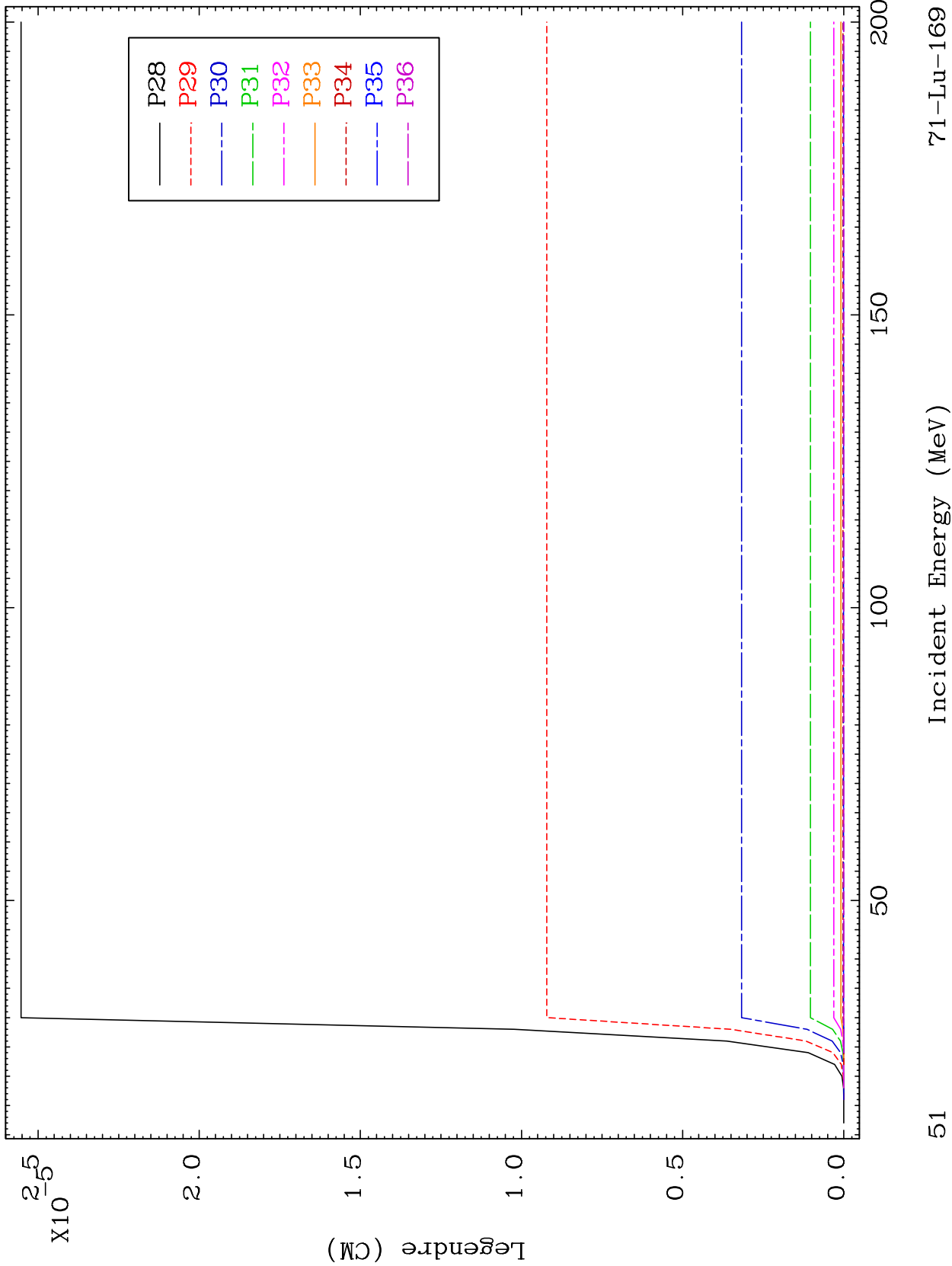
71-Lu-169



71-Lu-169

Incident Energy (MeV)

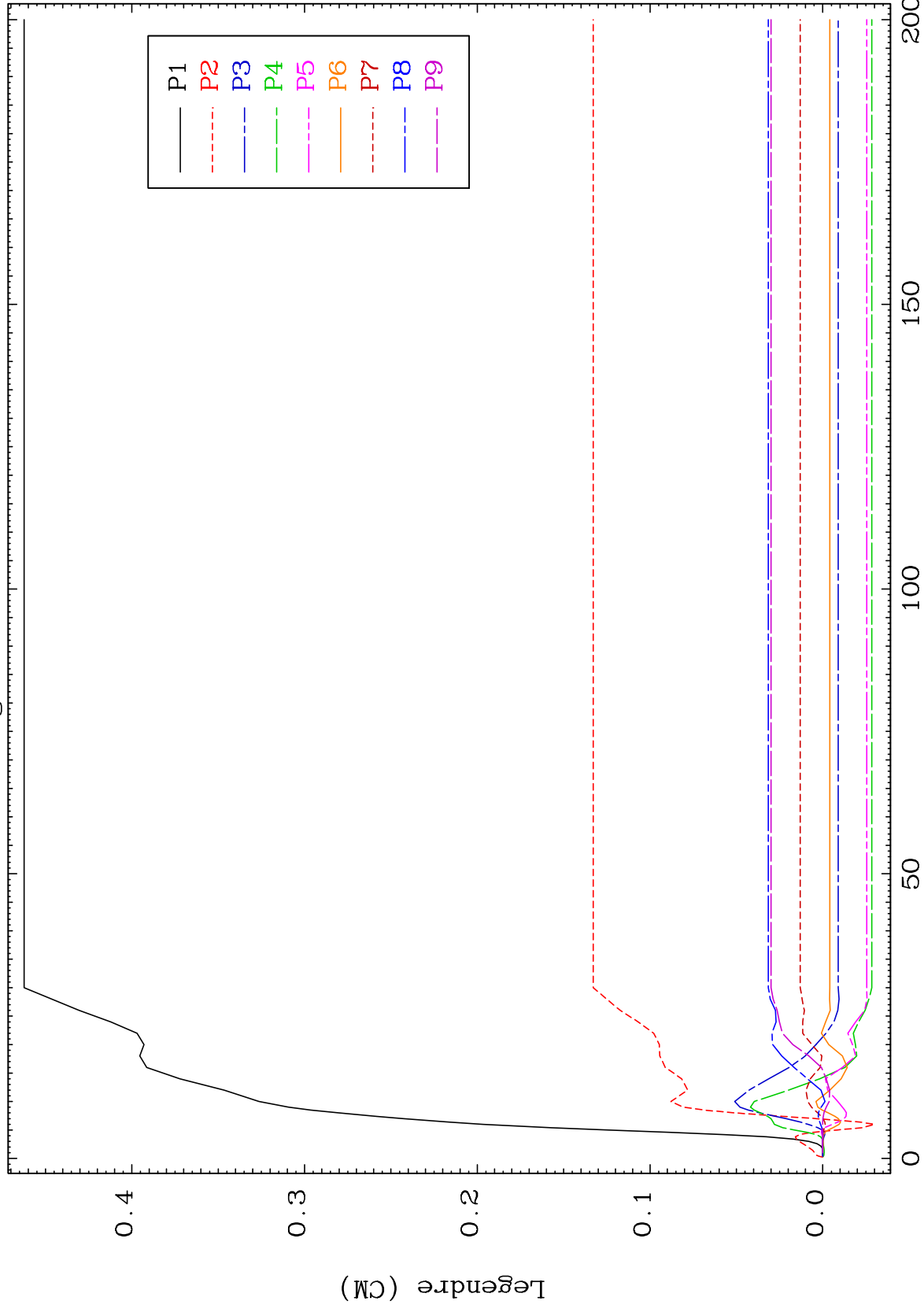
50



MAT 7107

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

71-Lu-169



52

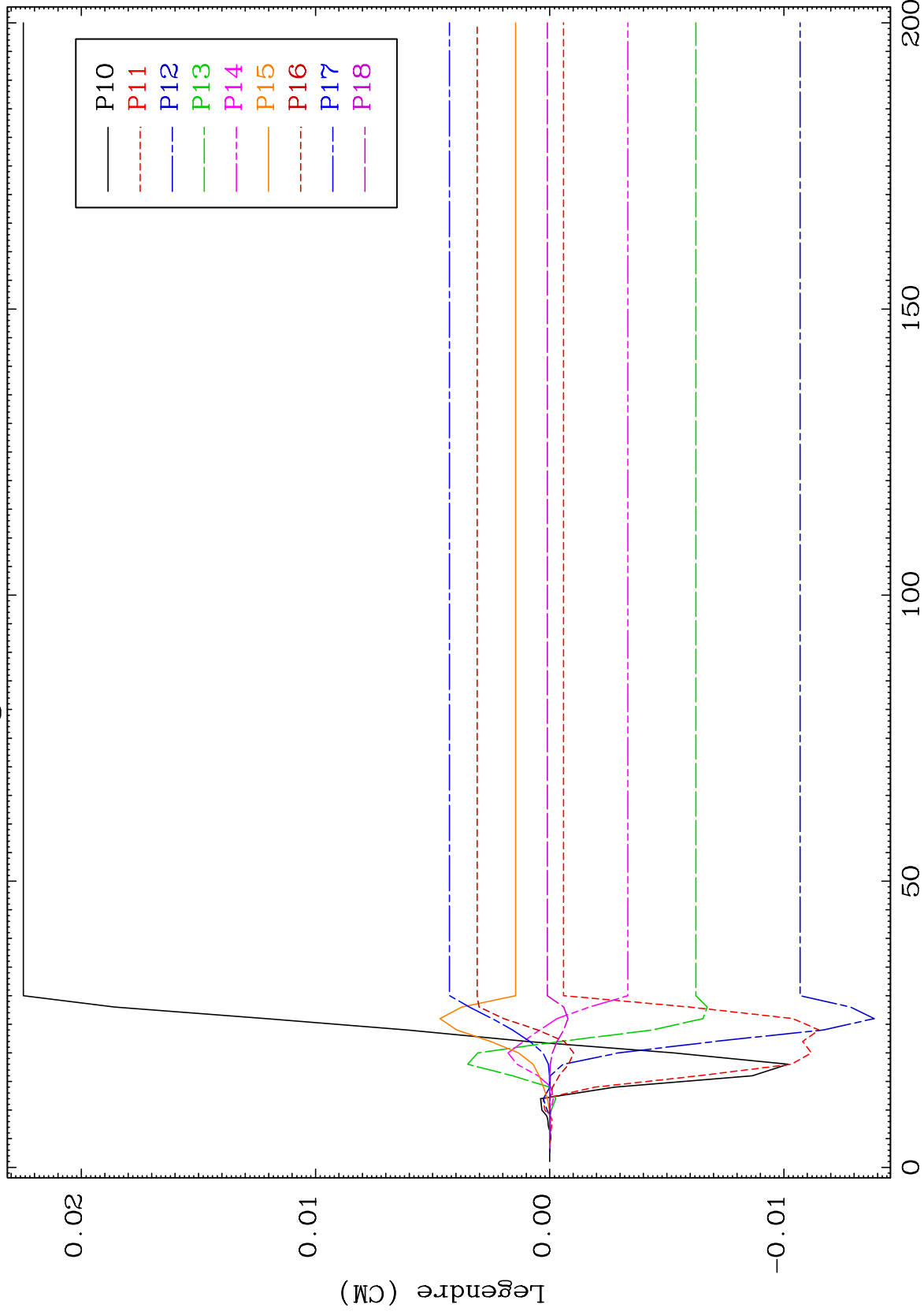
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



53

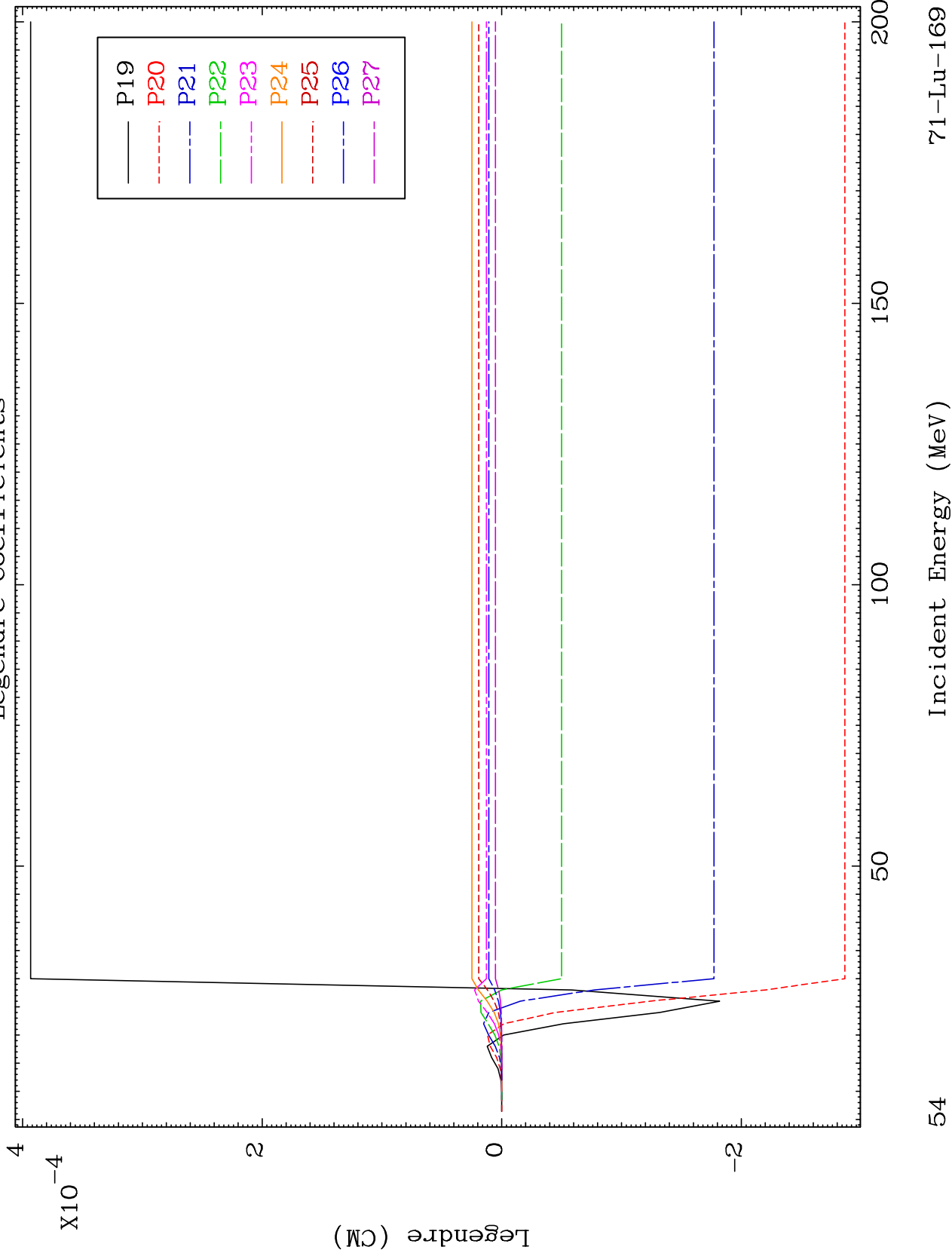
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



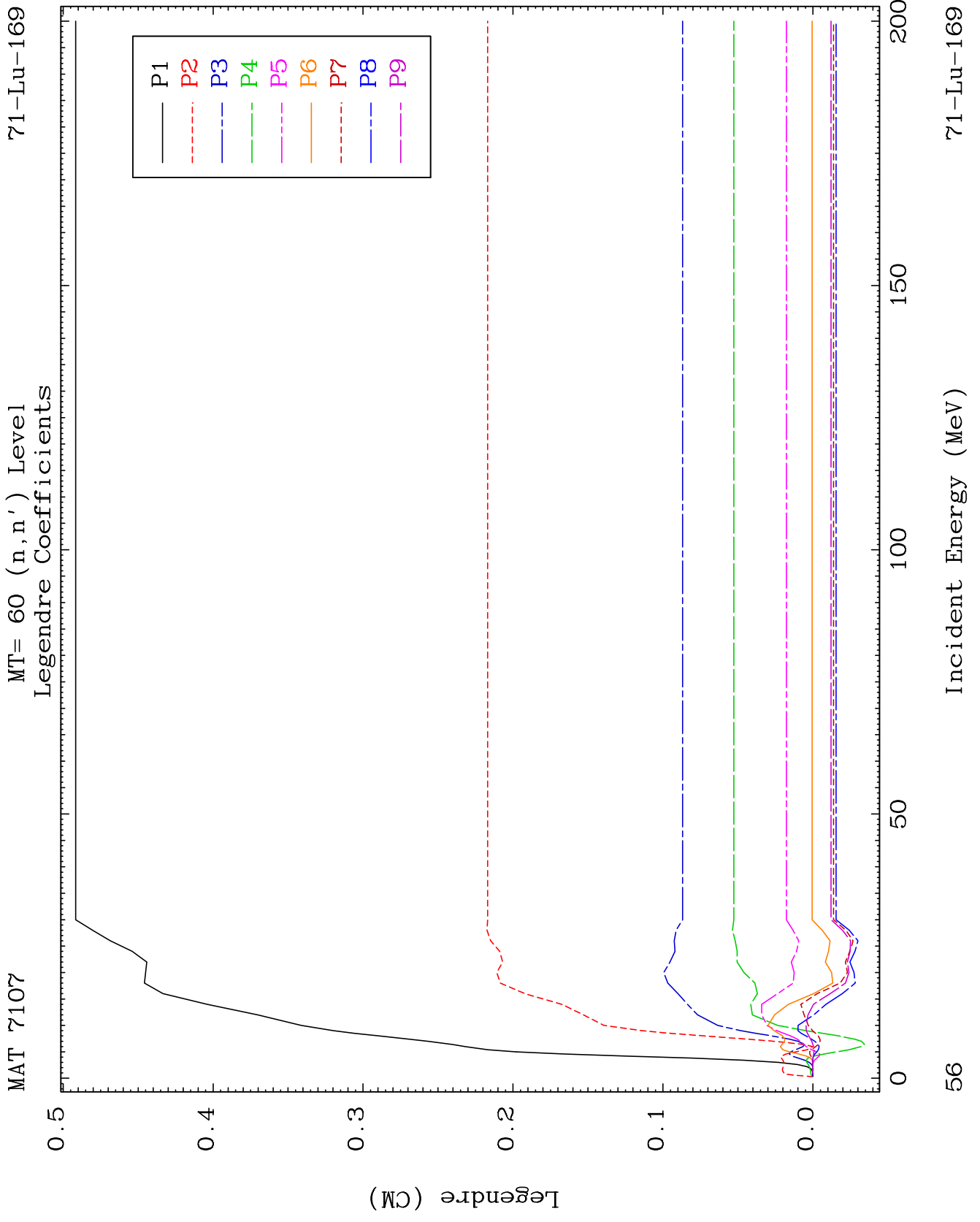
54

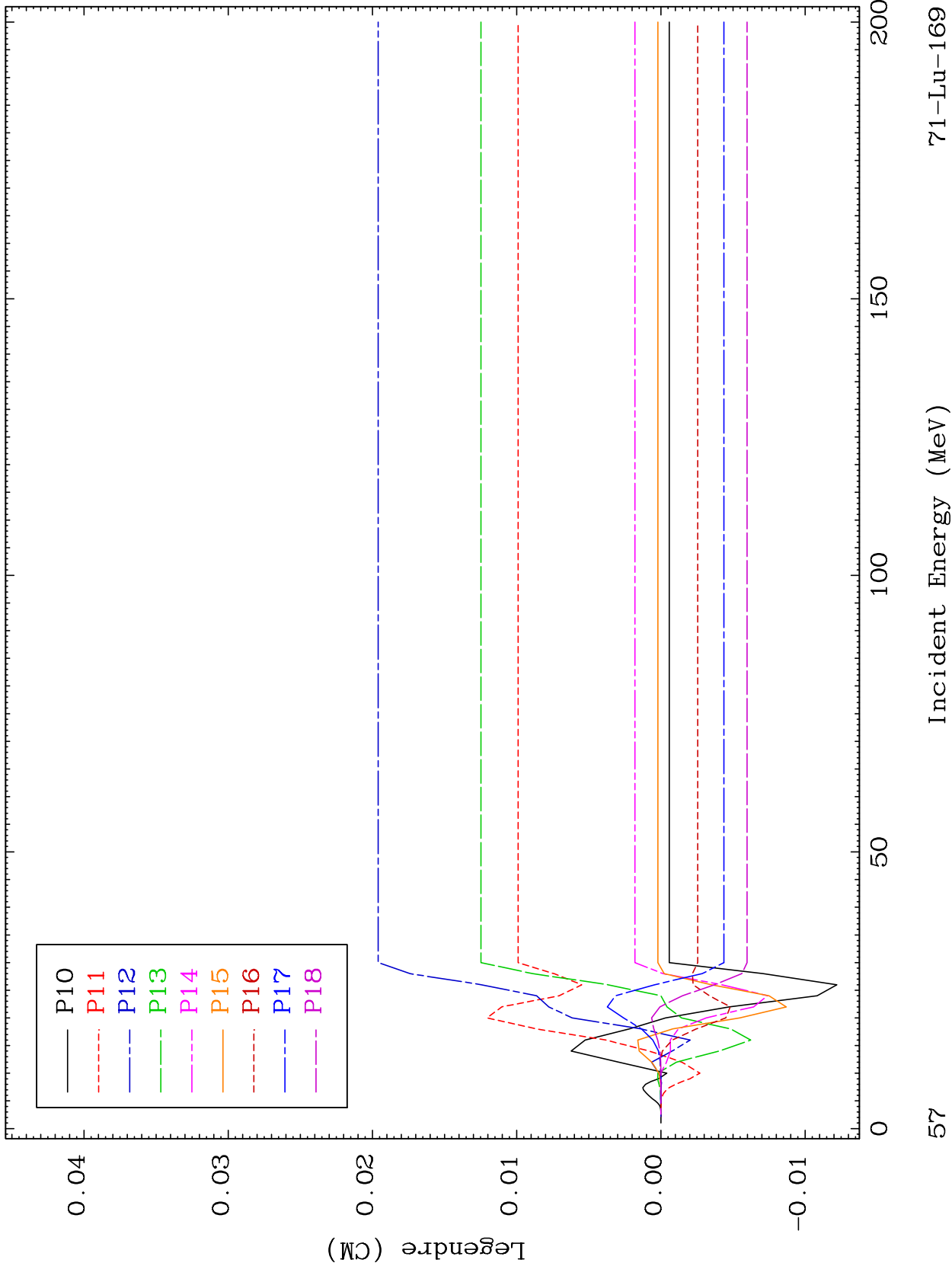
Incident Energy (MeV)

71-Lu-169





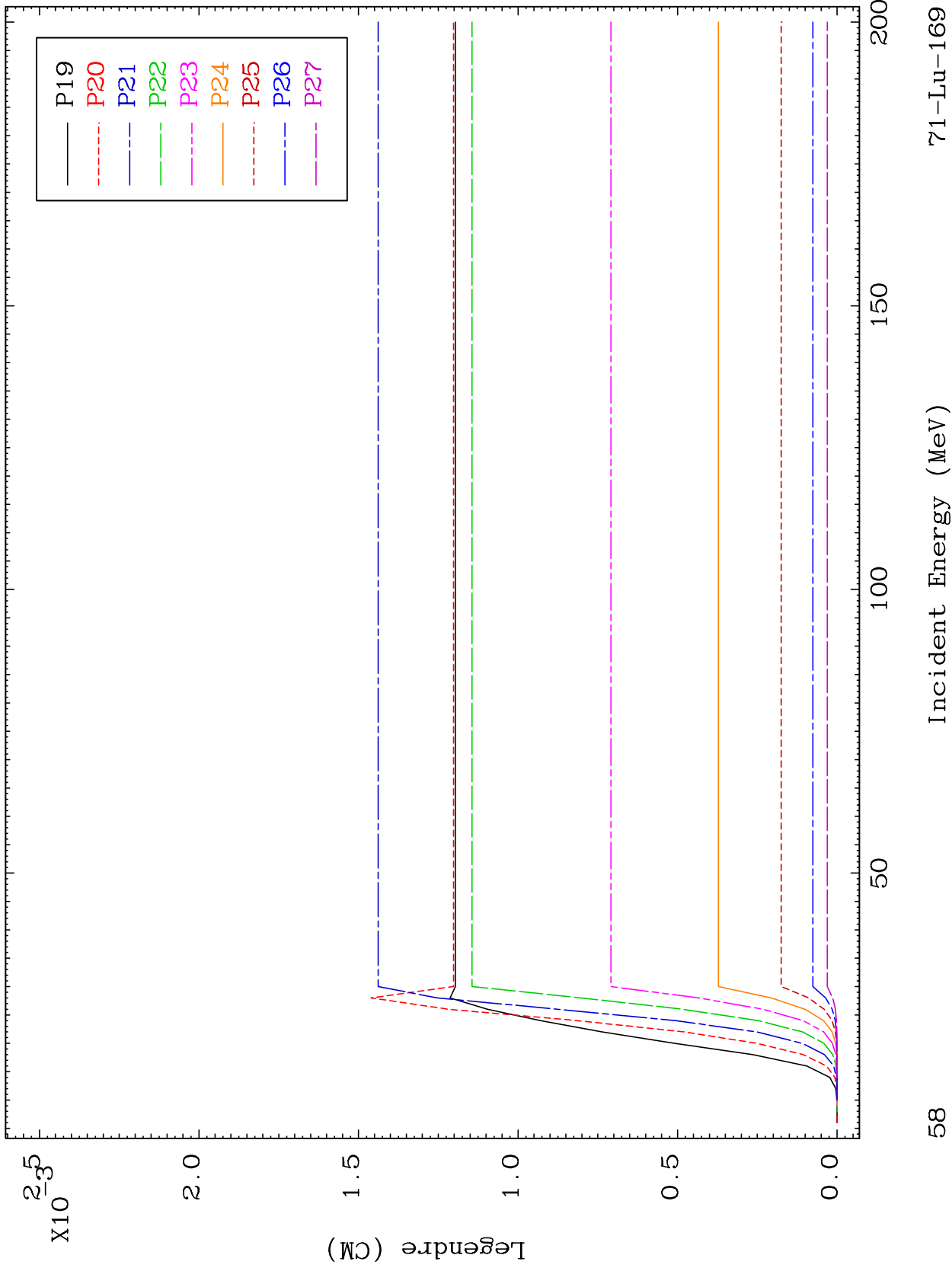




MAT 7107

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

71-Lu-169



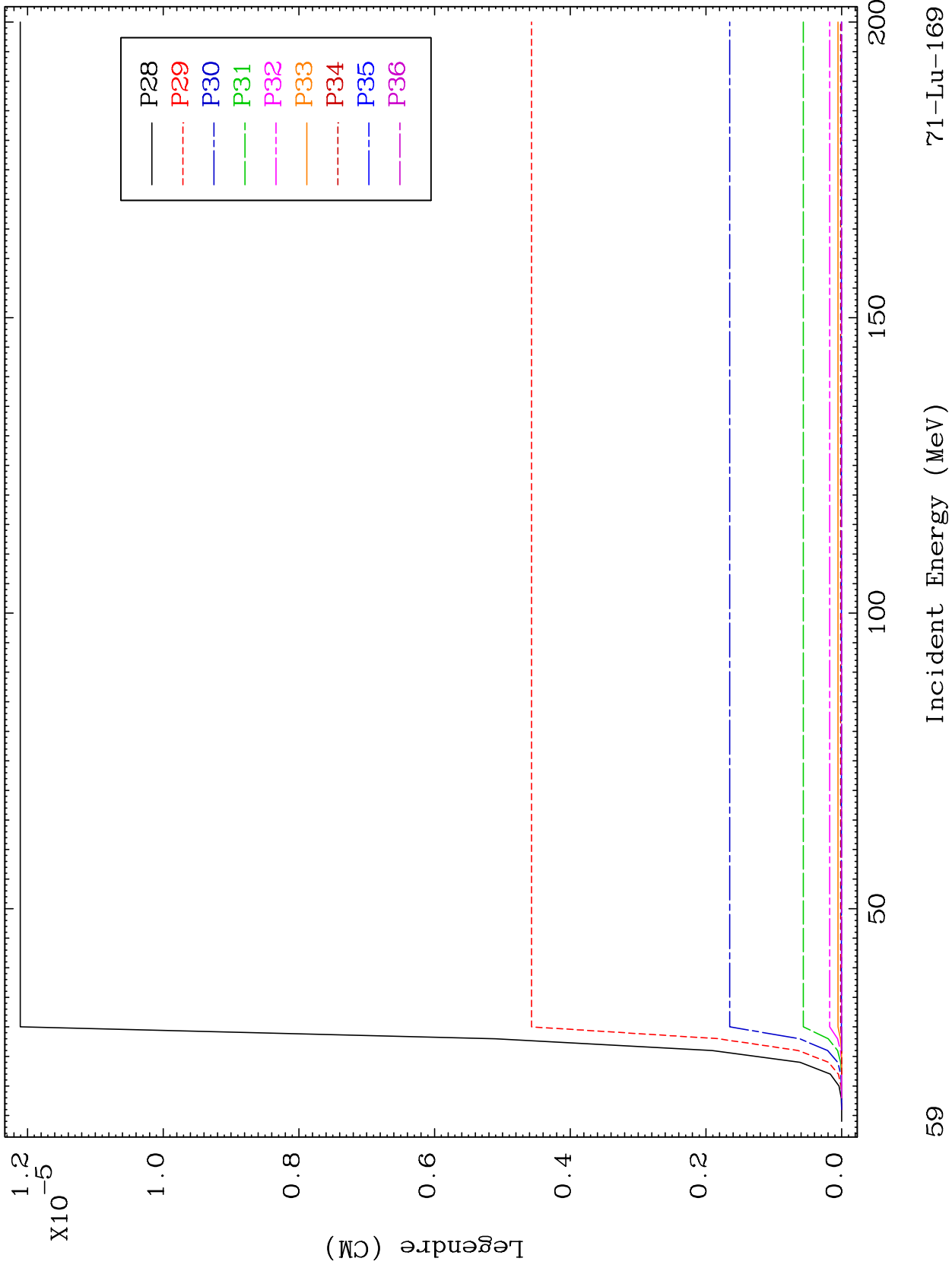
58

71-Lu-169

MAT 7107

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

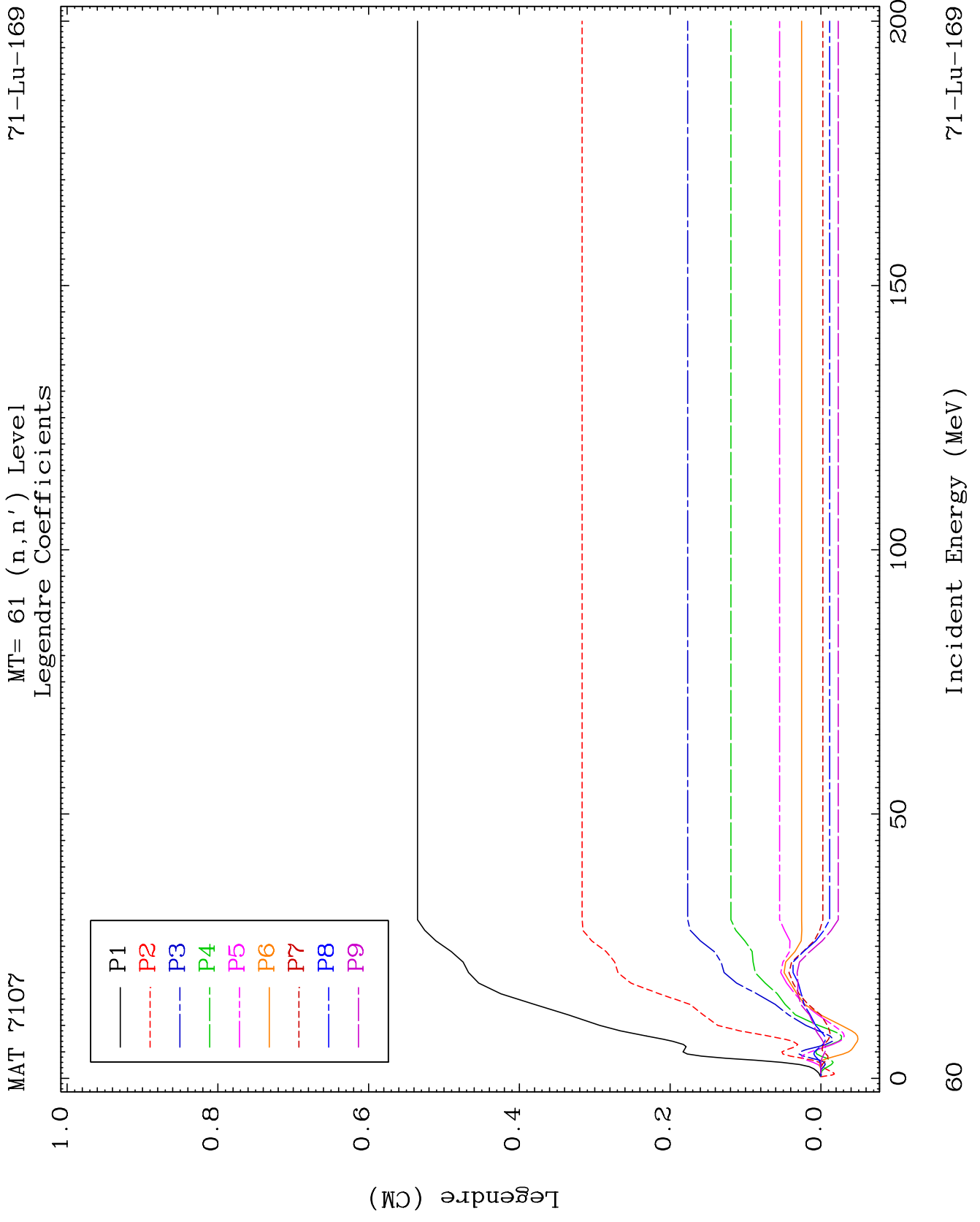
71-Lu-169



59

Incident Energy (MeV)

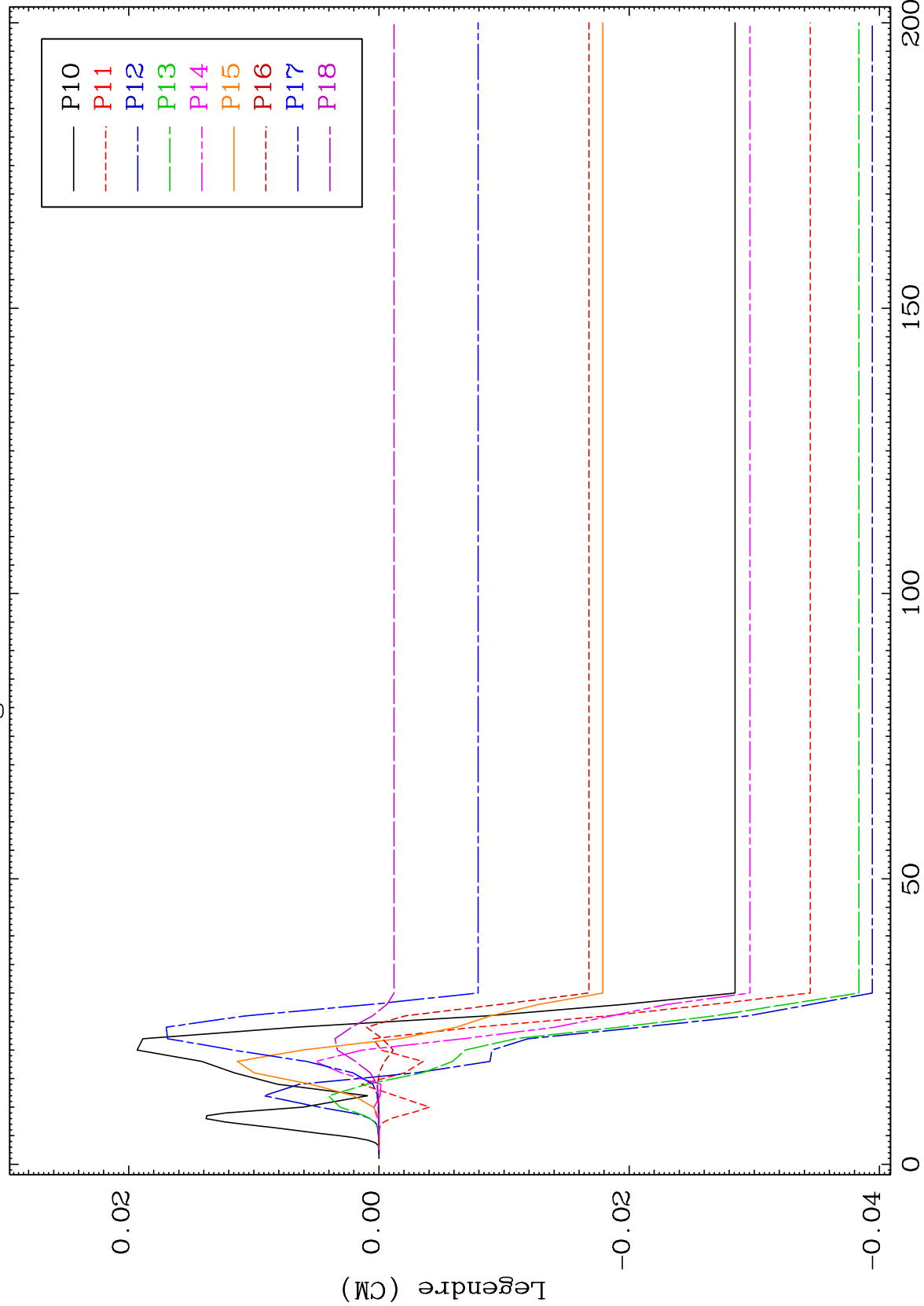
71-Lu-169



MAT 7107

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

71-Lu-169



61

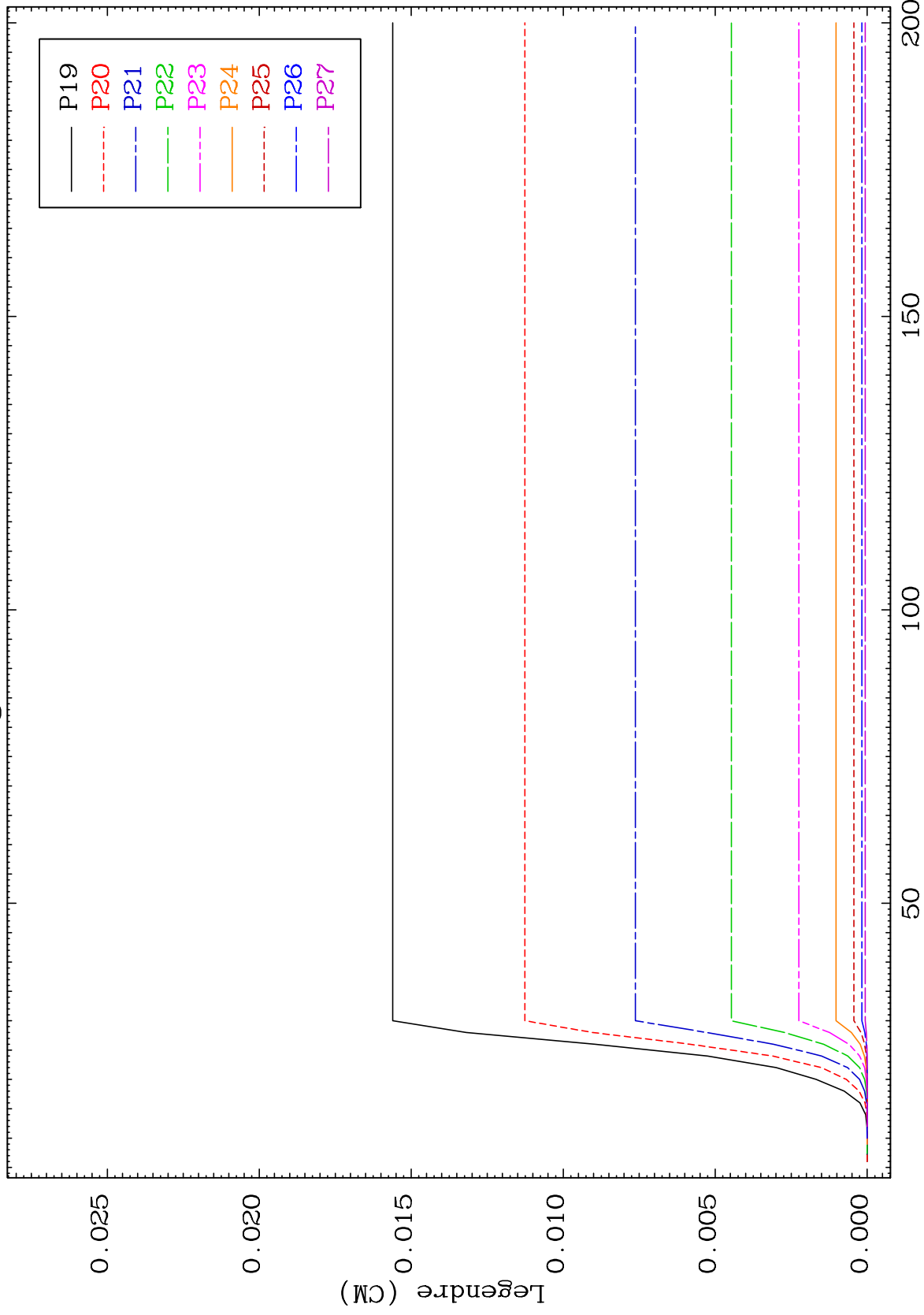
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

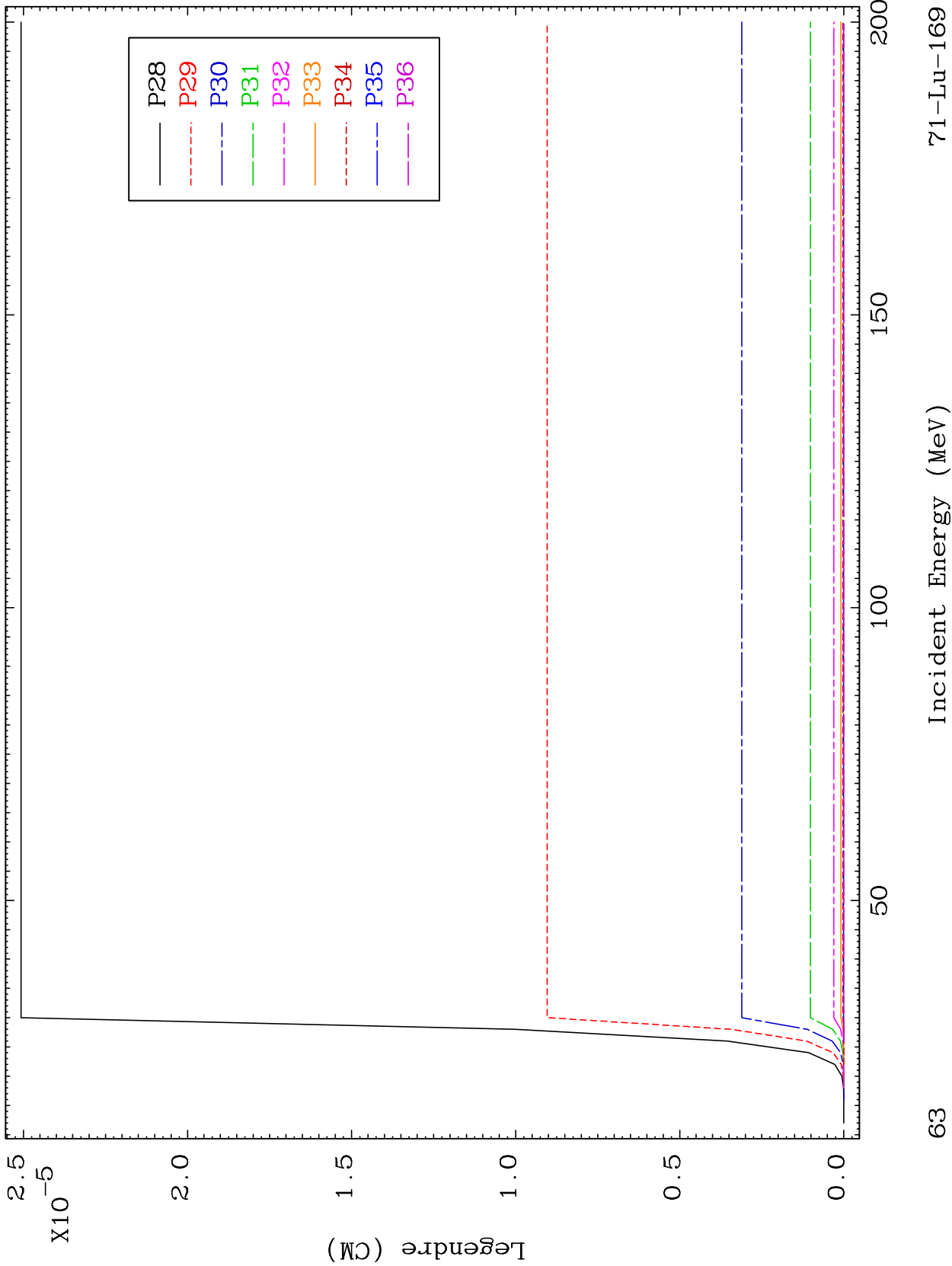
71-Lu-169



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Incident Energy (MeV)

71-Lu-169

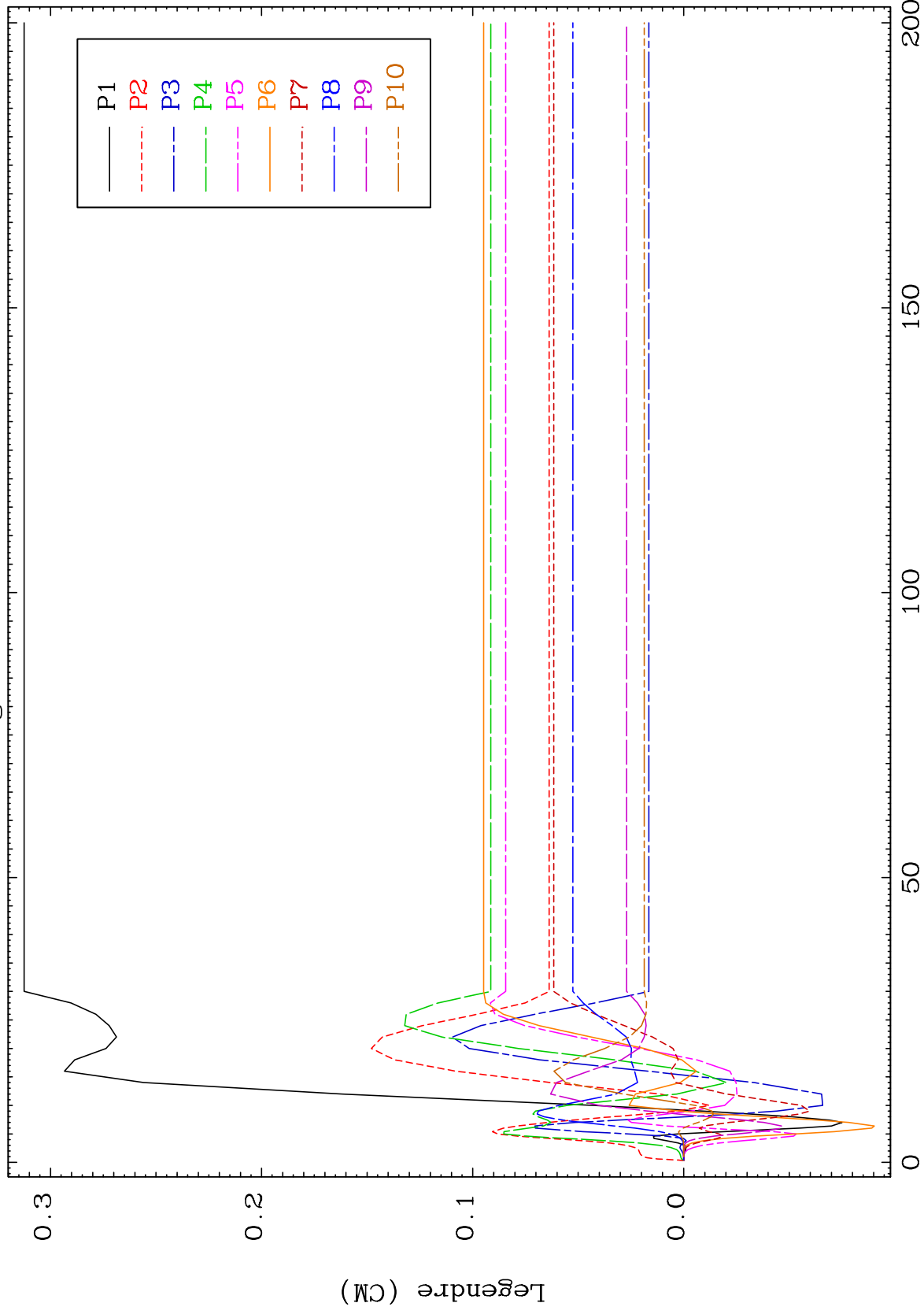




MAT 7107

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

71-Lu-169



64

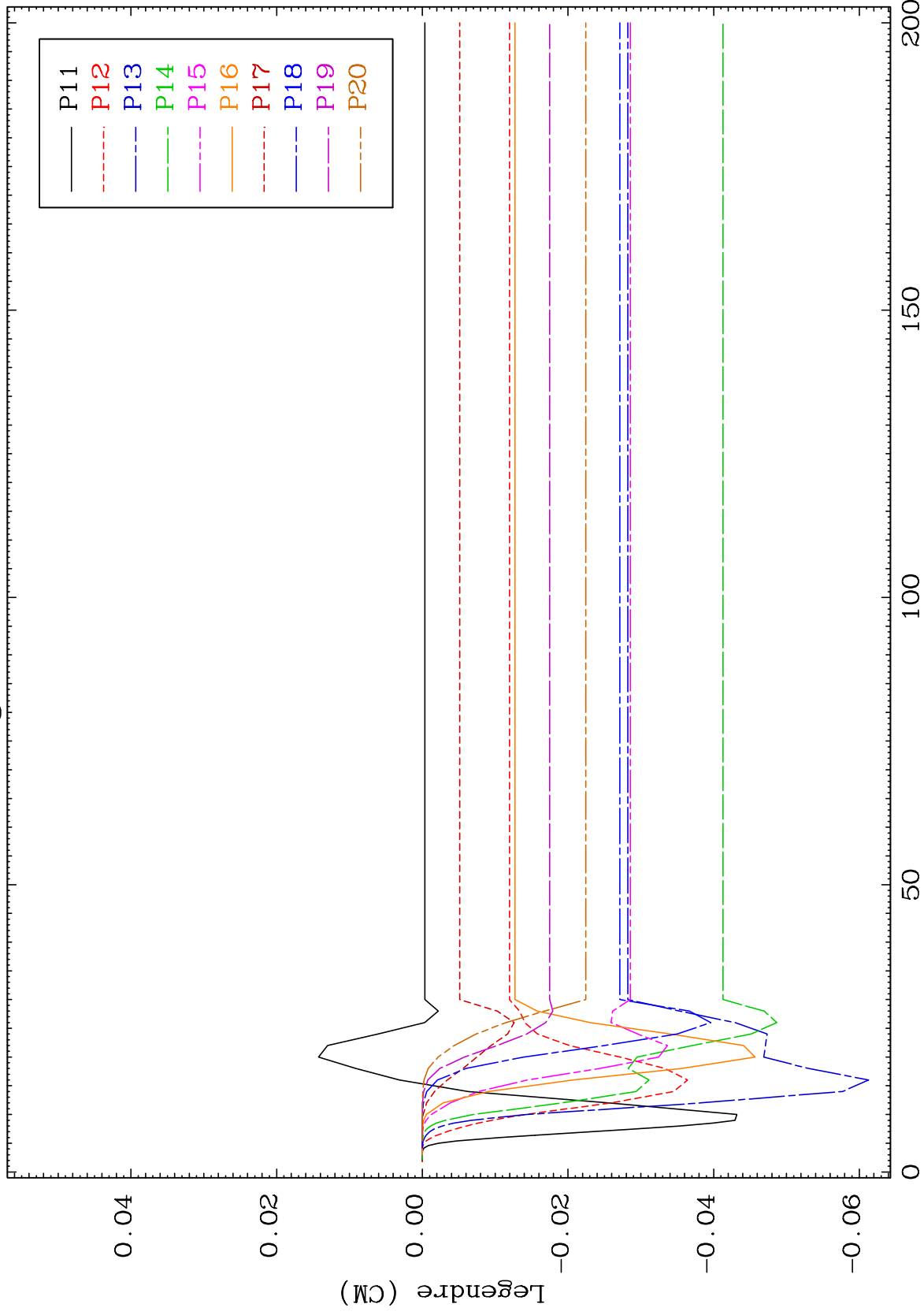
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

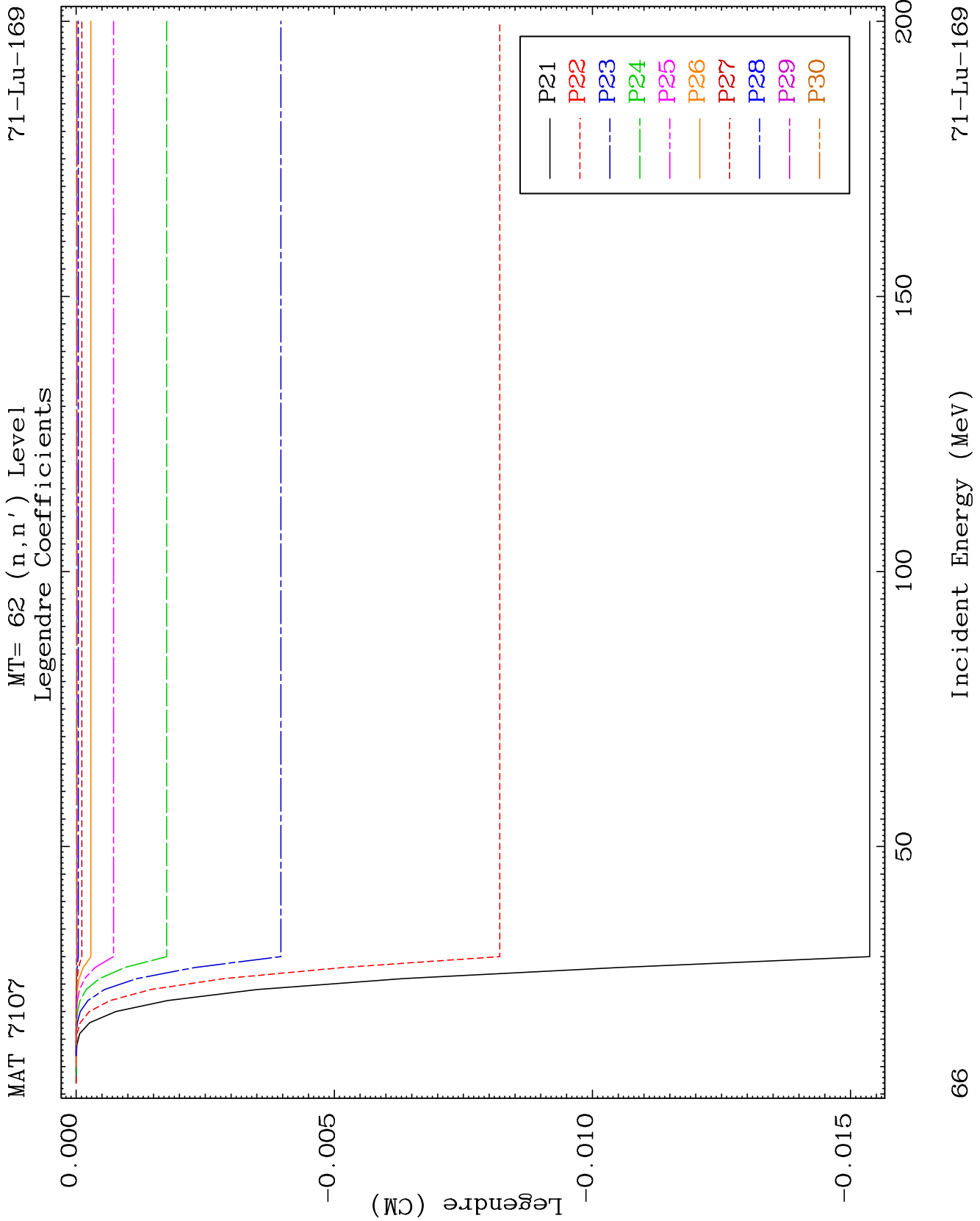
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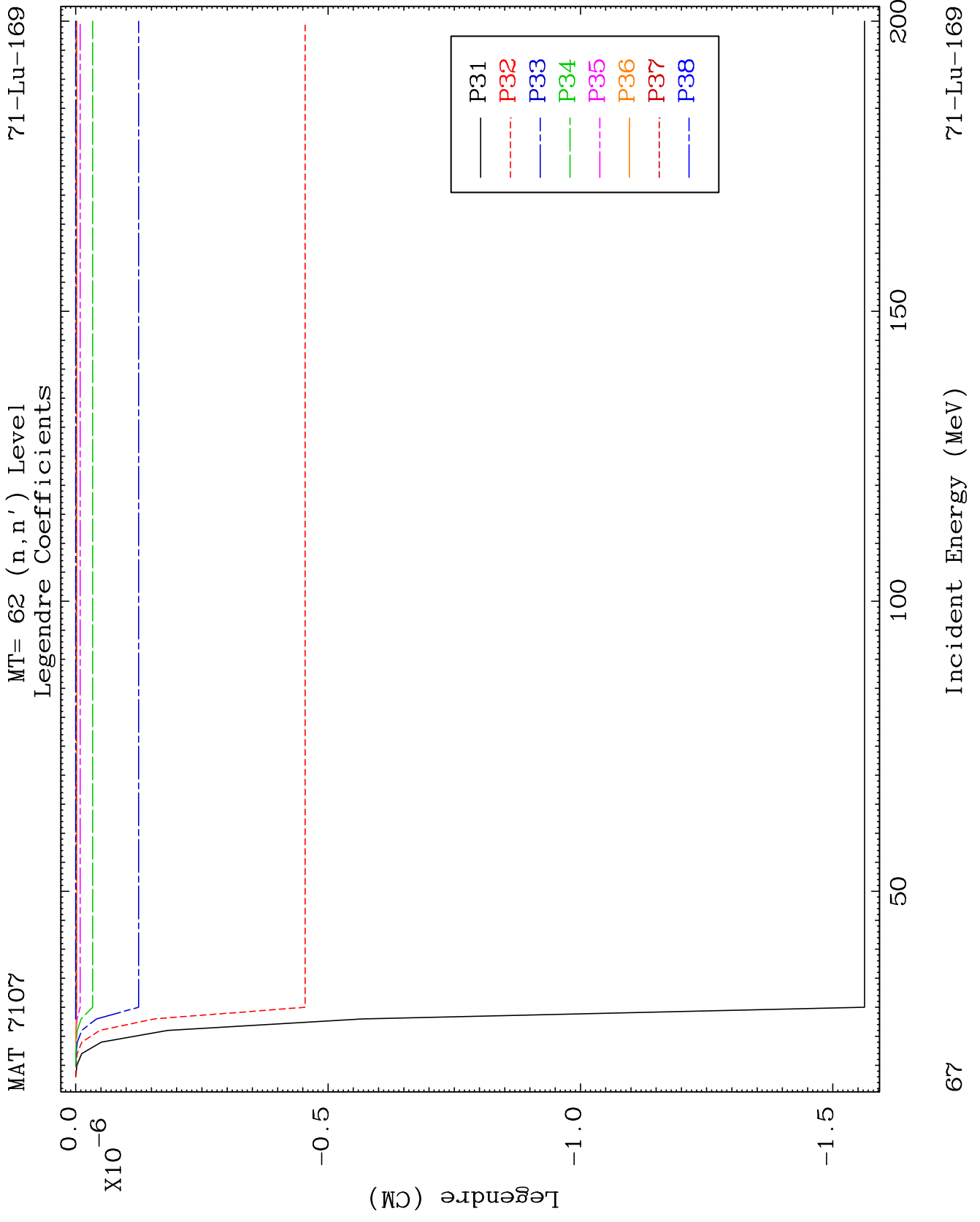


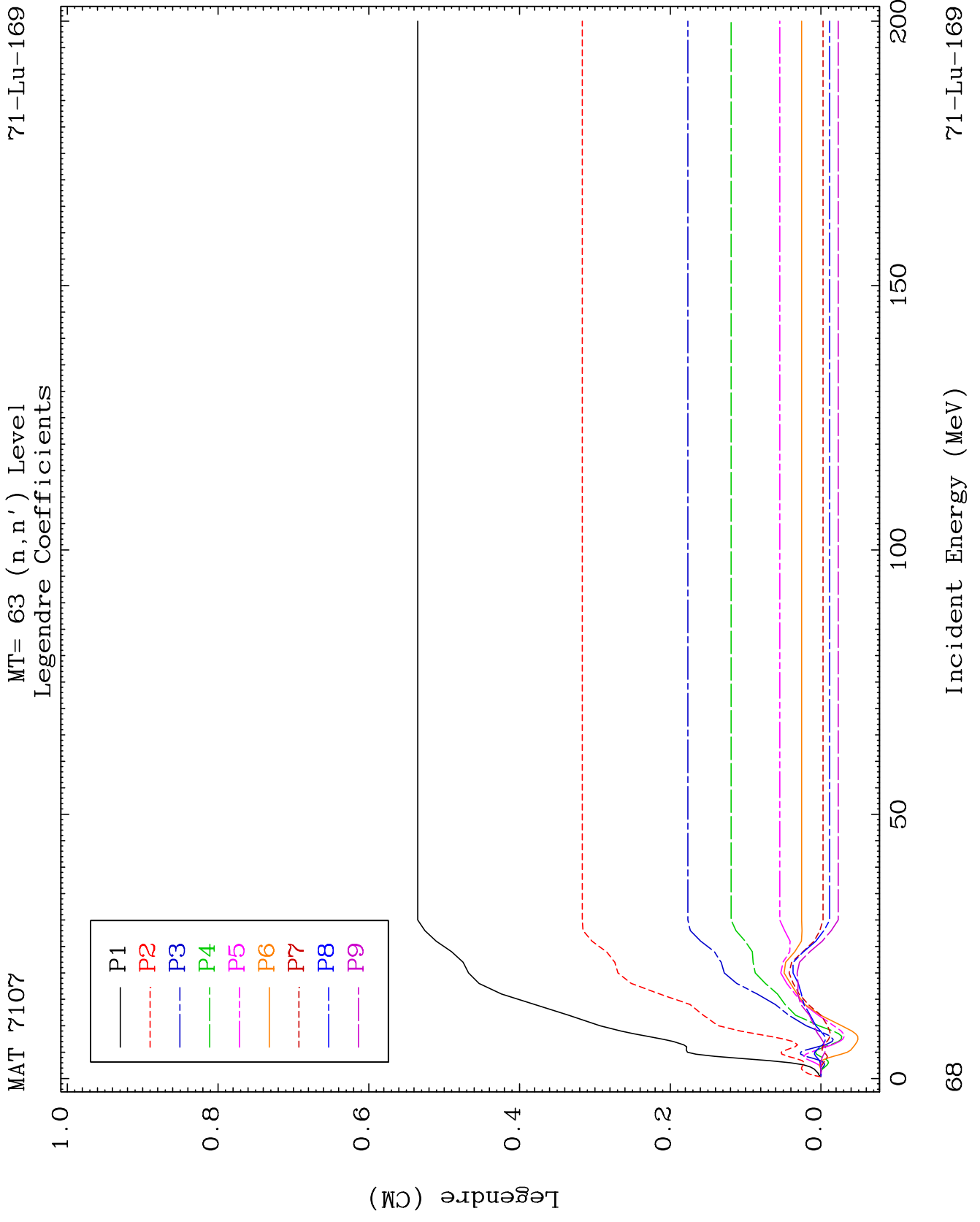
71-Lu-169

Incident Energy (MeV)

65



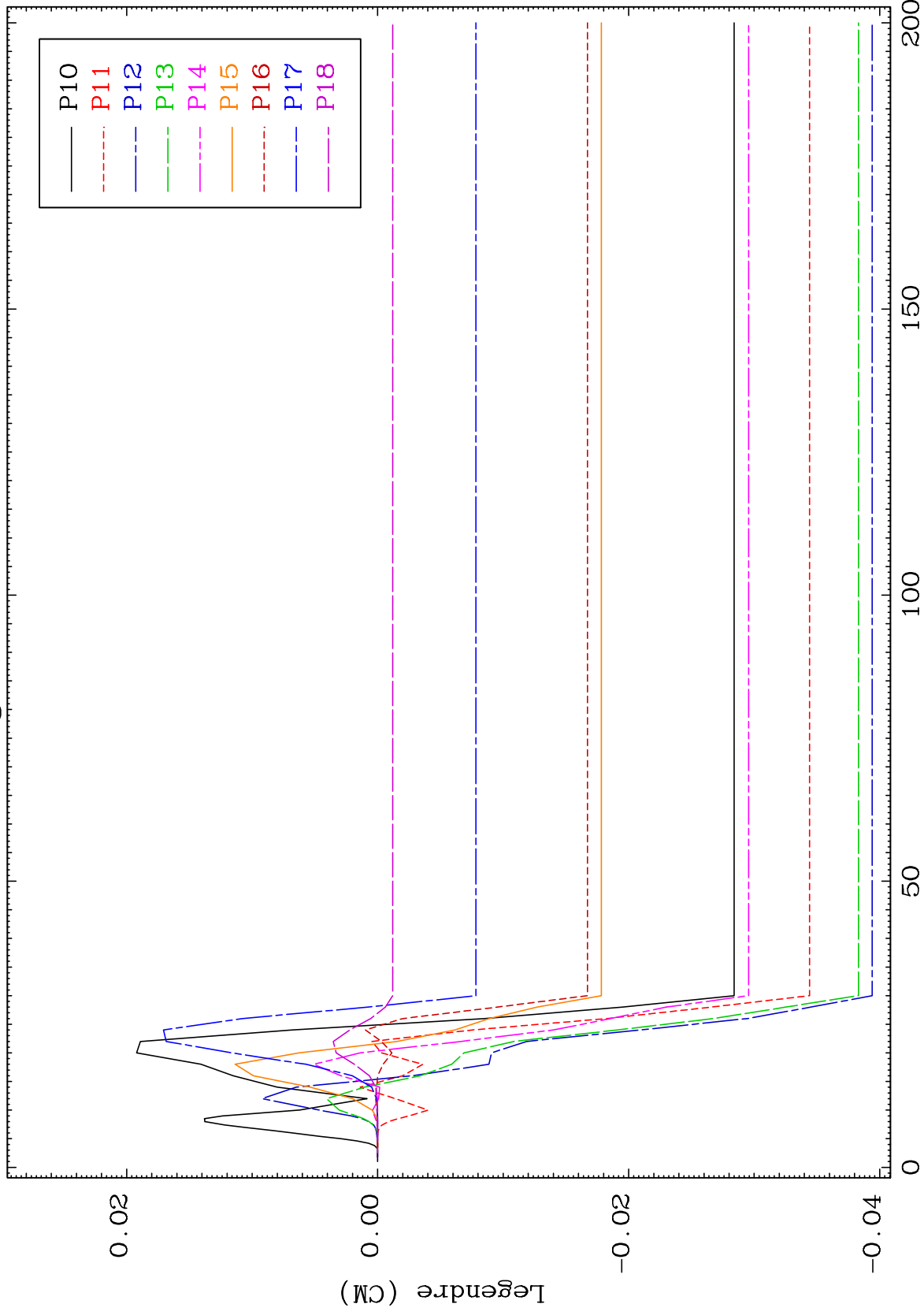




MAT 7107

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

71-Lu-169



69

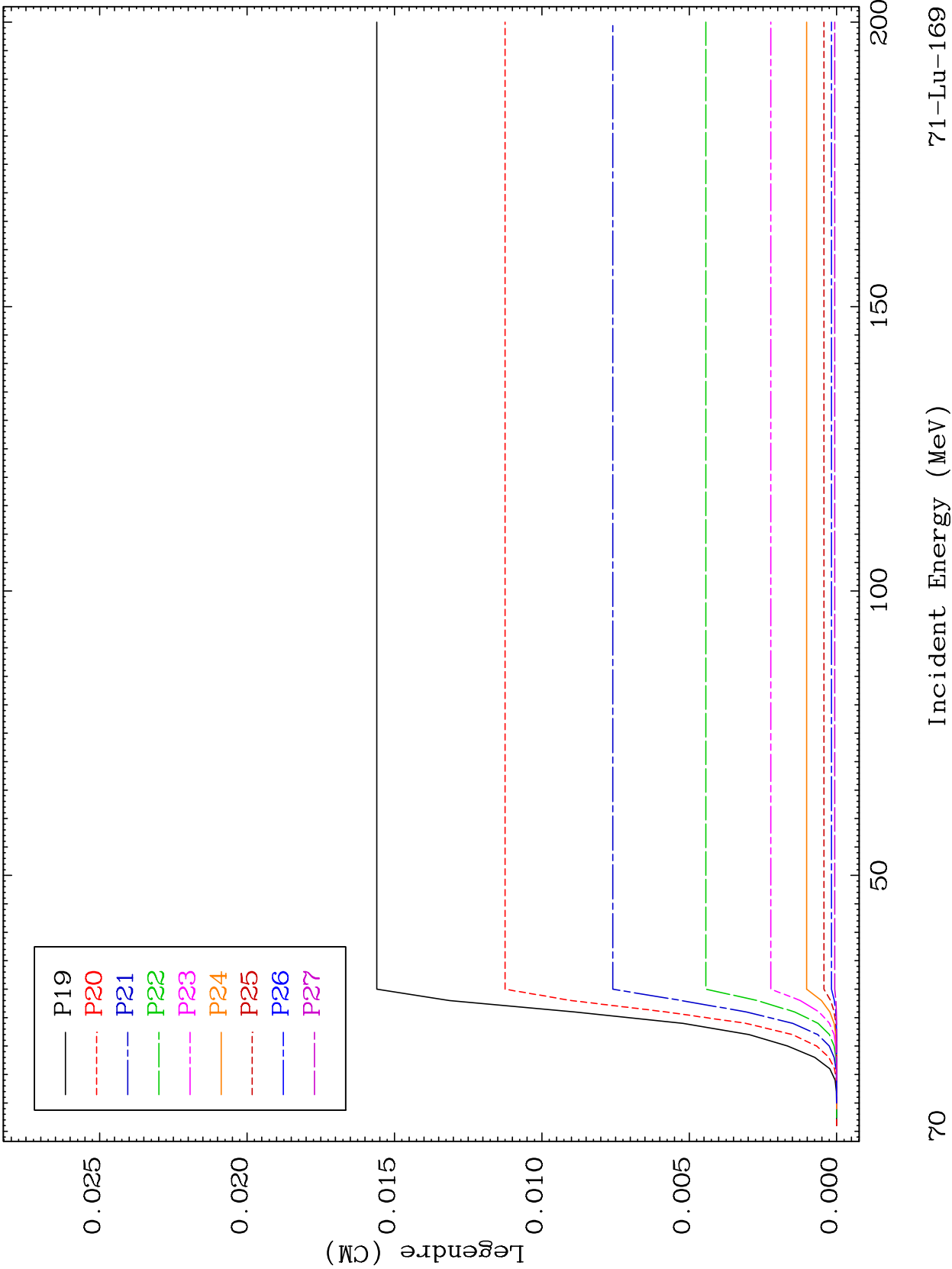
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



70

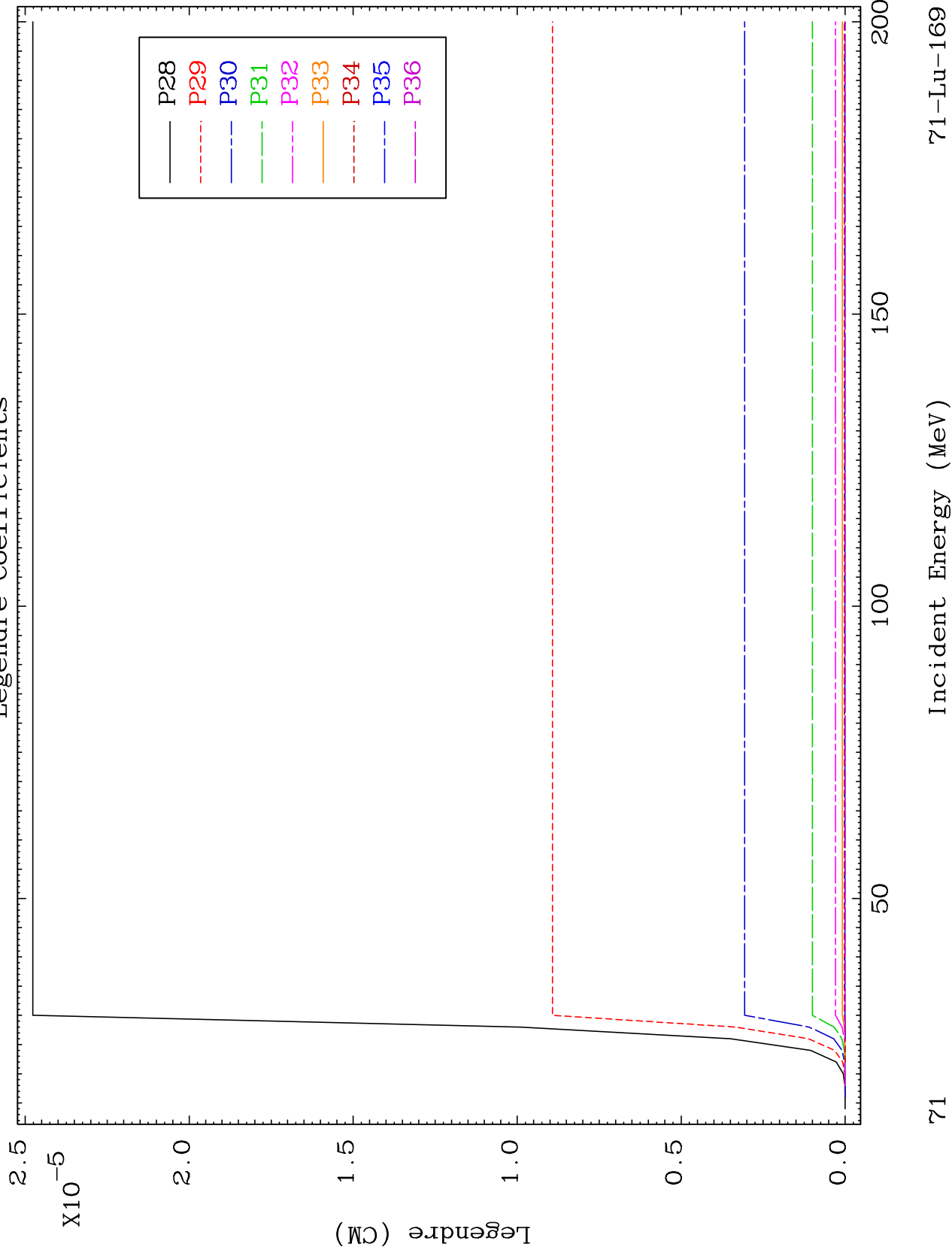
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169

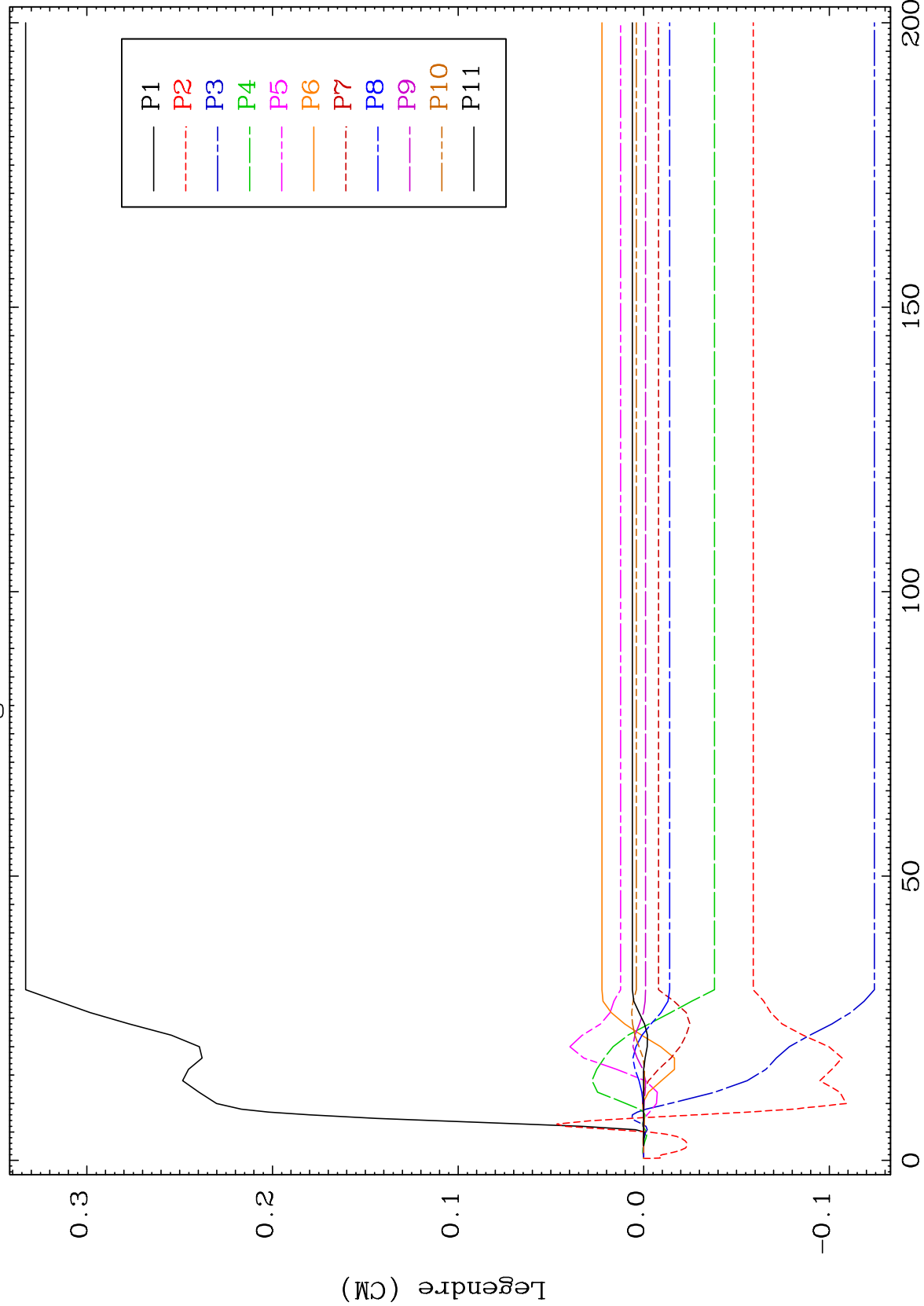




MAT 7107

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

71-Lu-169



72

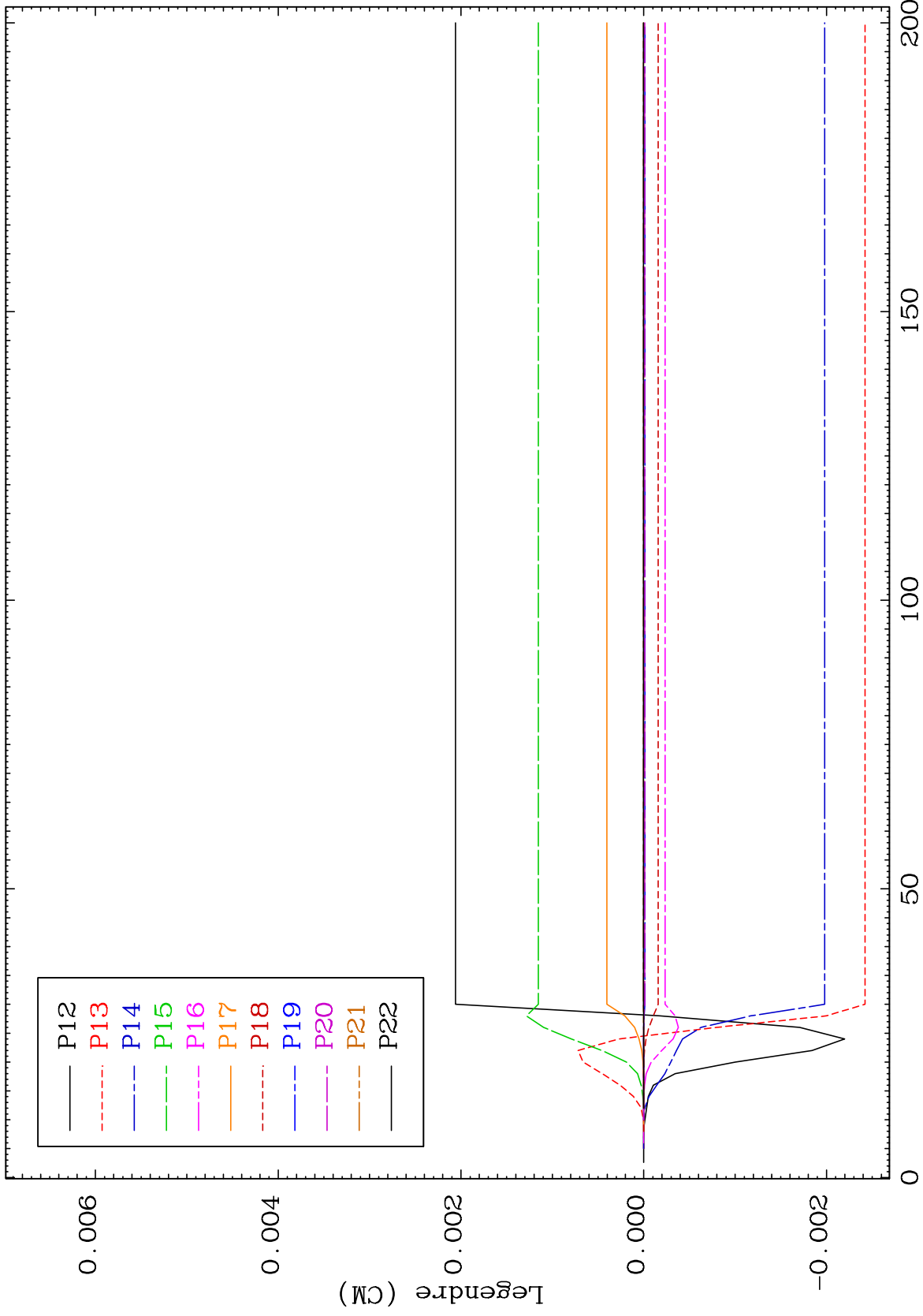
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



73

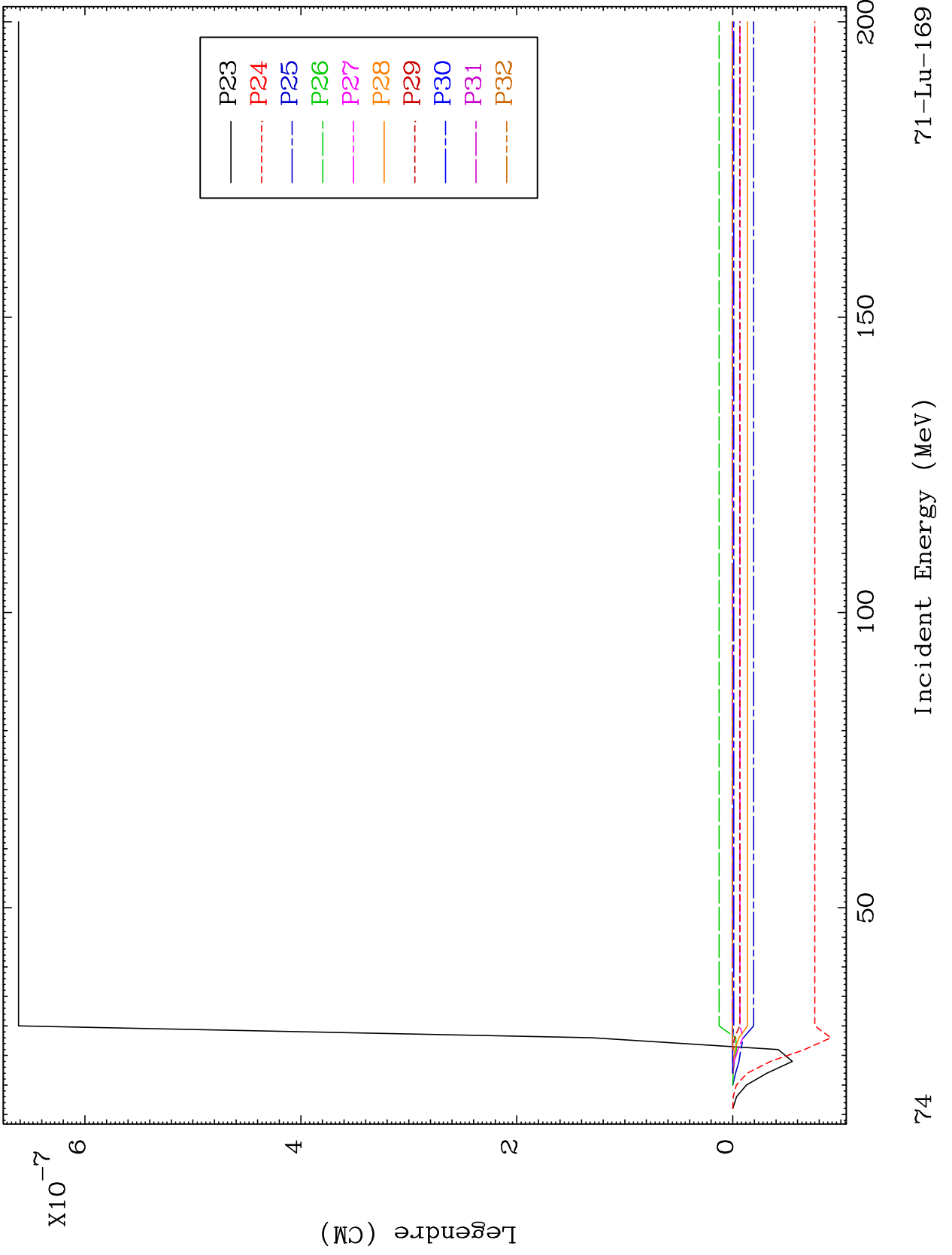
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169

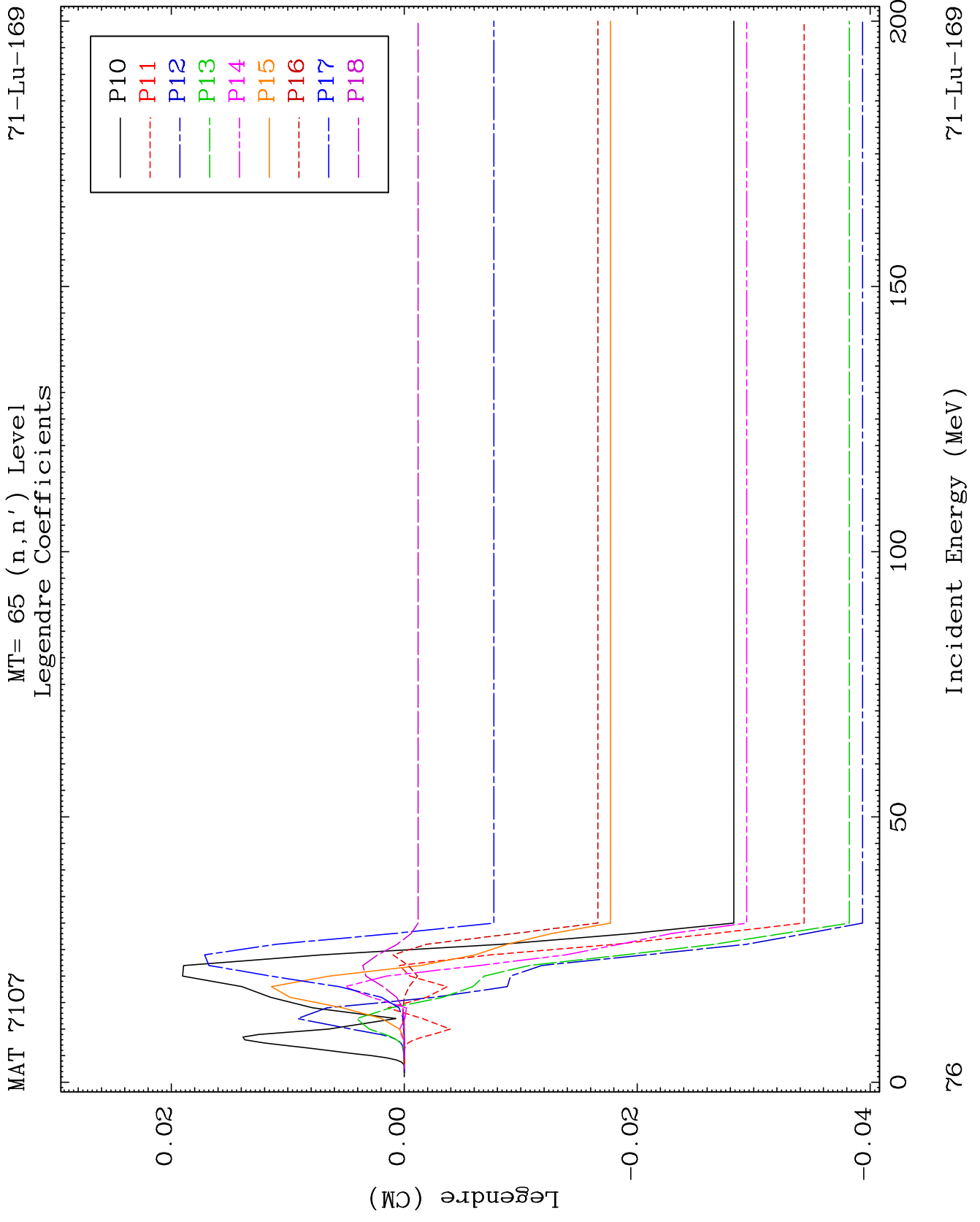


74

Incident Energy (MeV)

71-Lu-169

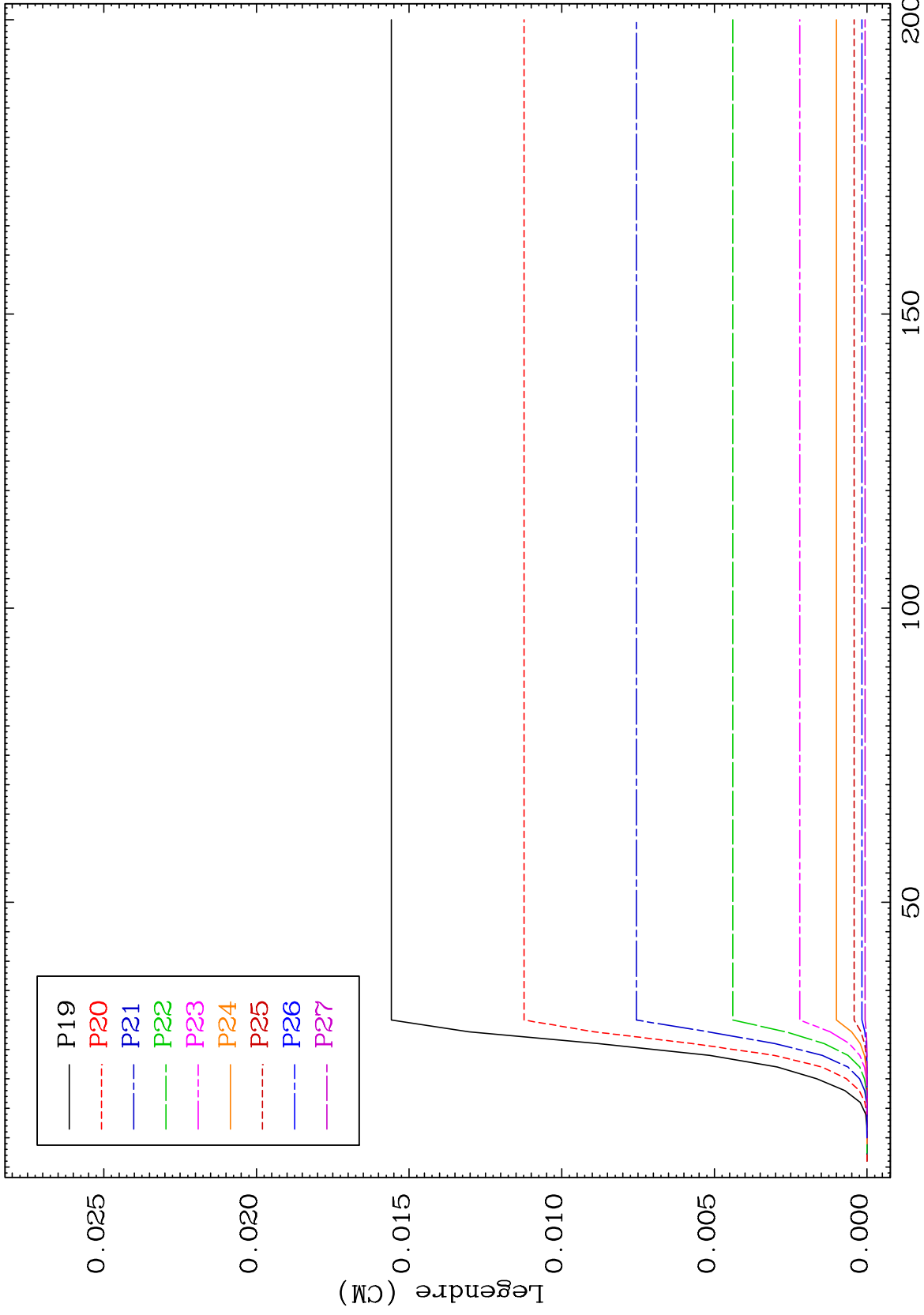




MAT 7107

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

71-Lu-169



77

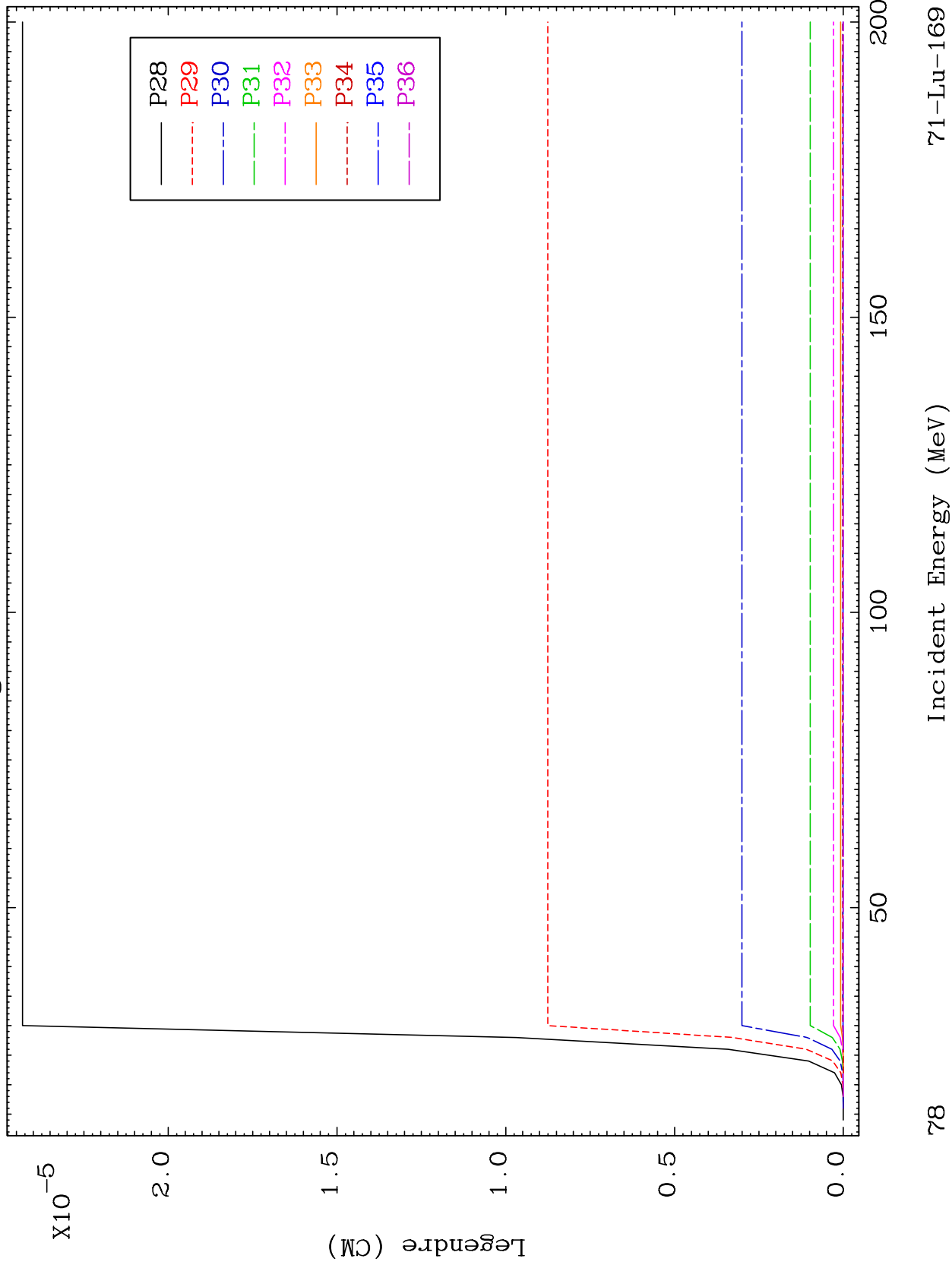
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

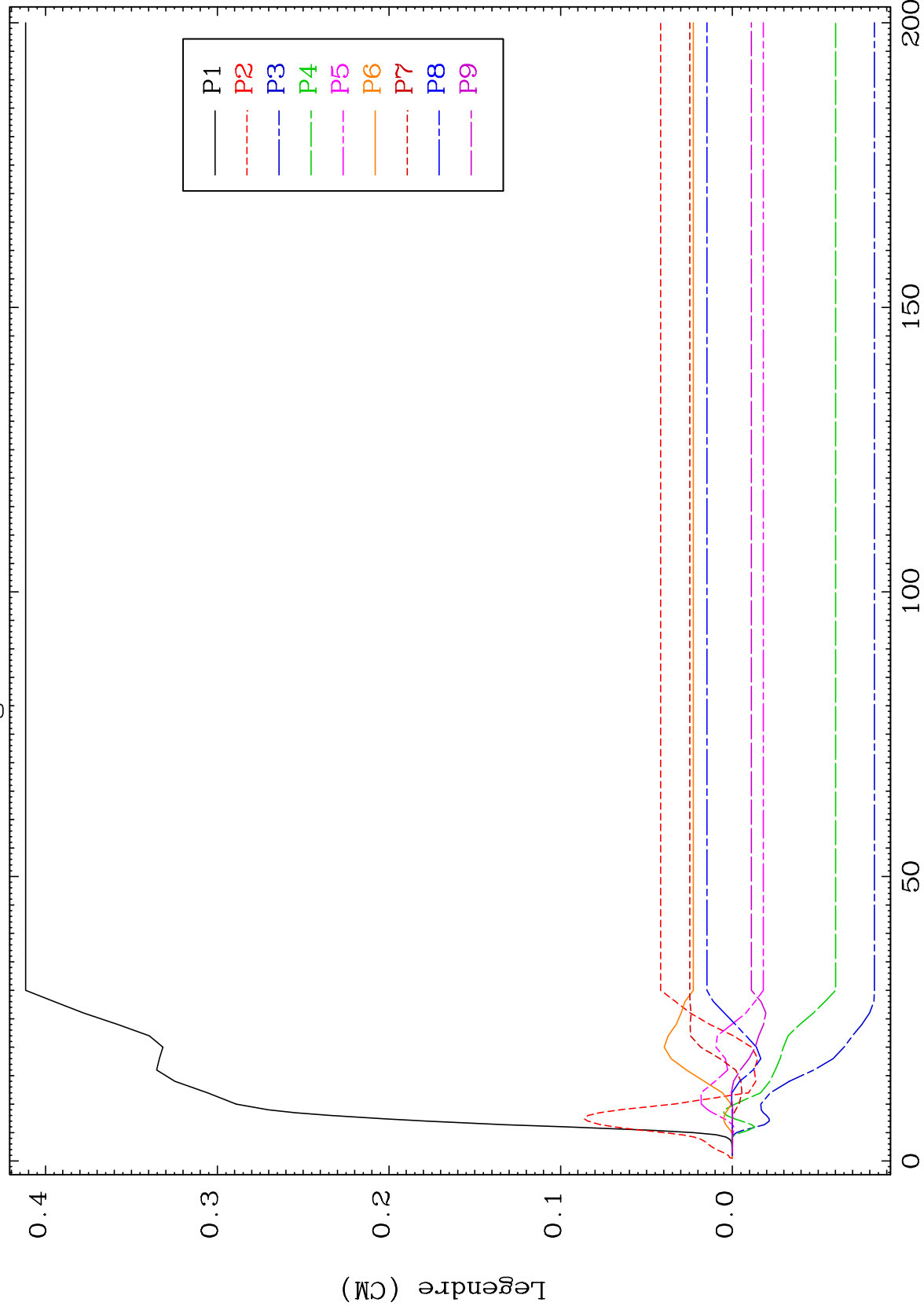
71-Lu-169



MAT 7107

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

71-Lu-169



79

Incident Energy (MeV)

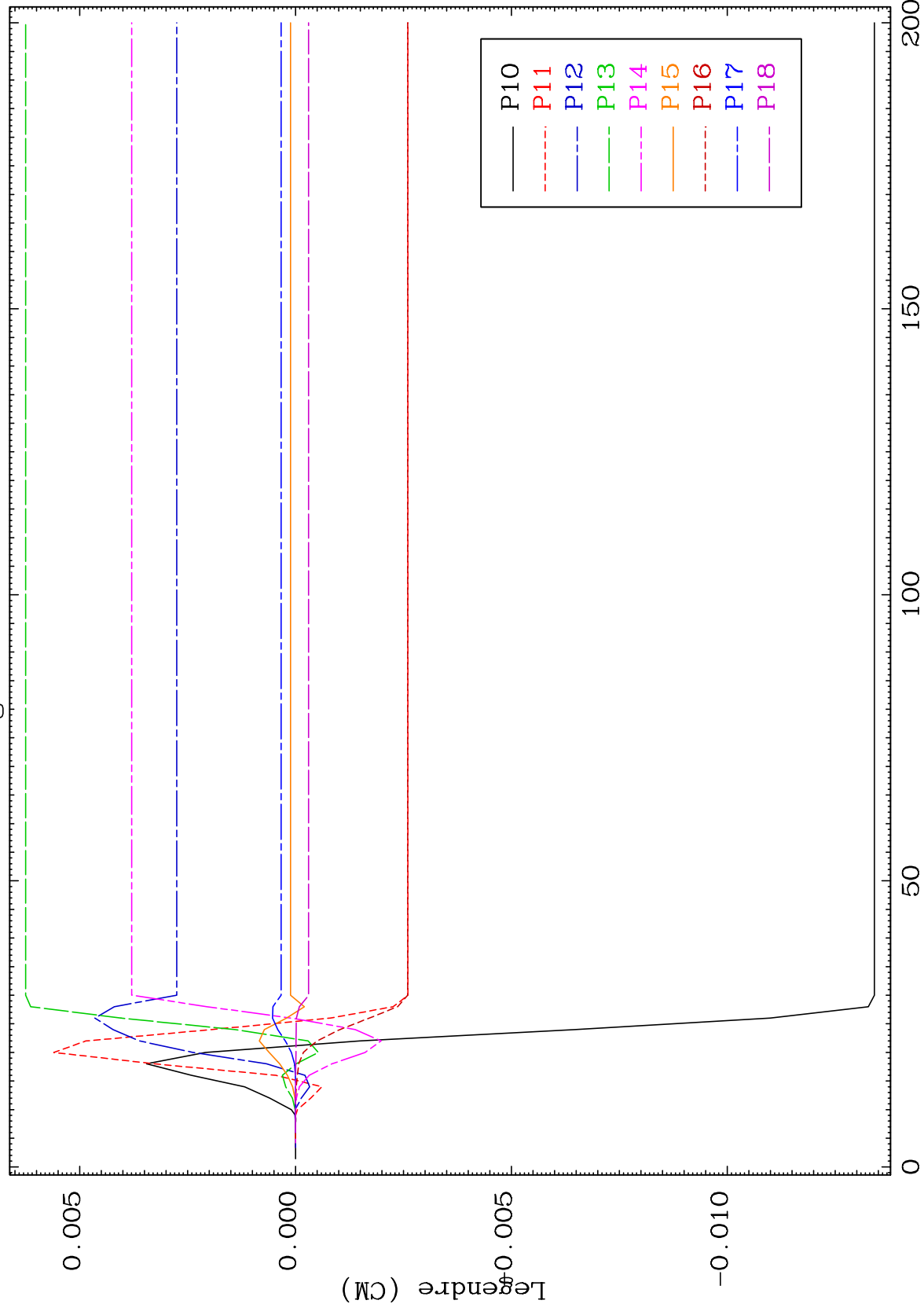
71-Lu-169



MAT 7107

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

71-Lu-169



71-Lu-169

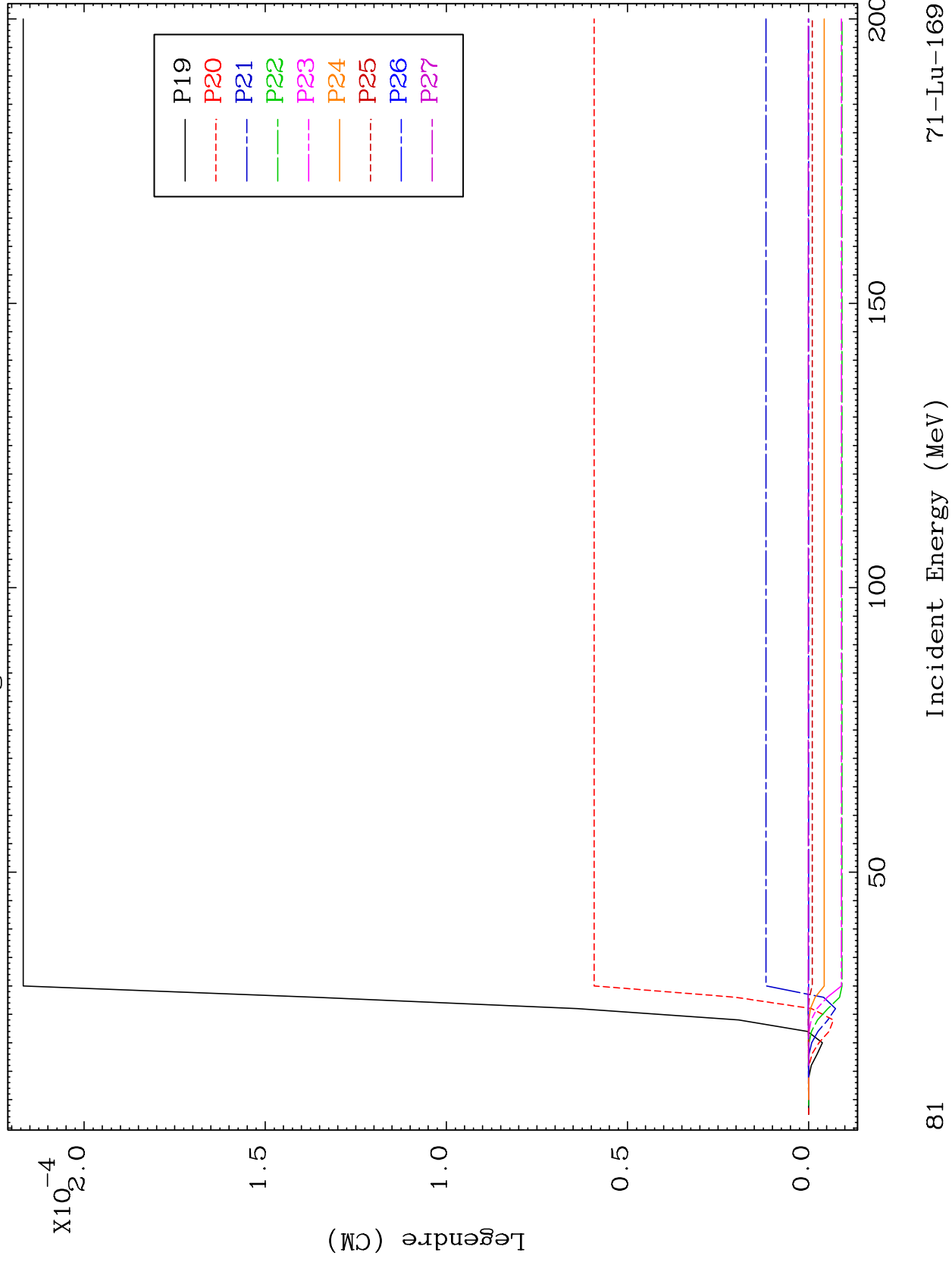
Incident Energy (MeV)

80

MAT 7107

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

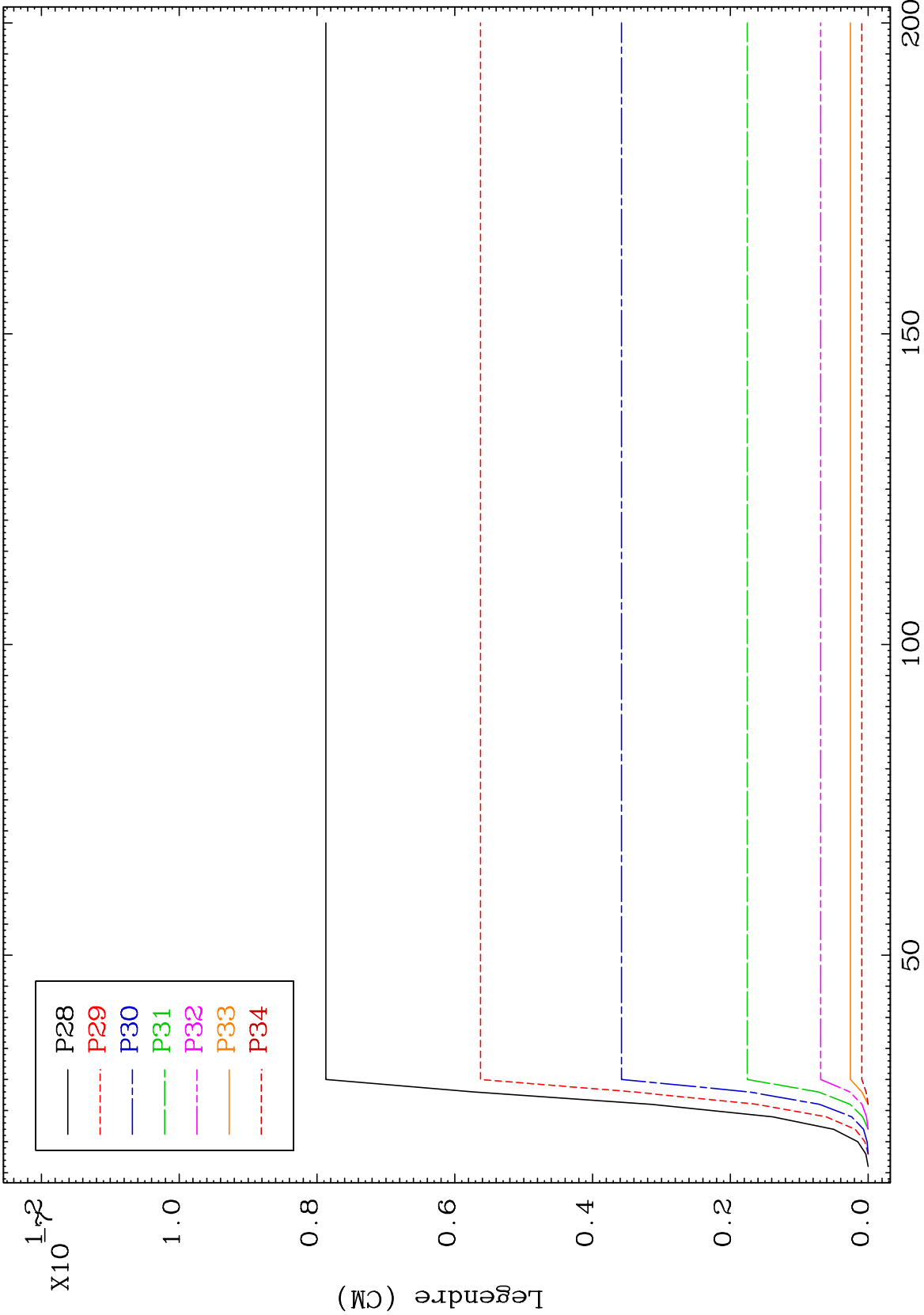
71-Lu-169



MAT 7107

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

71-Lu-169

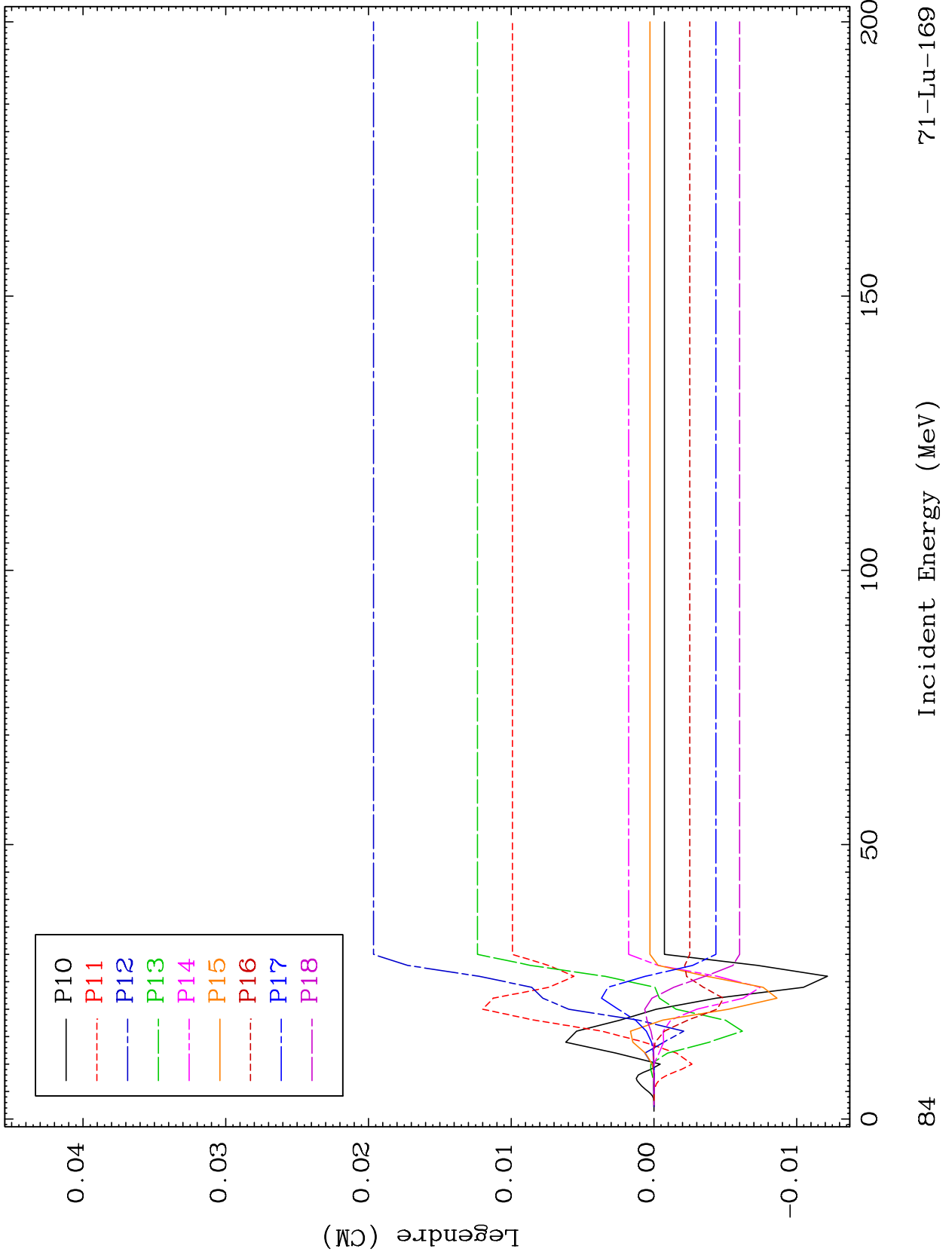


82

Incident Energy (MeV)

71-Lu-169

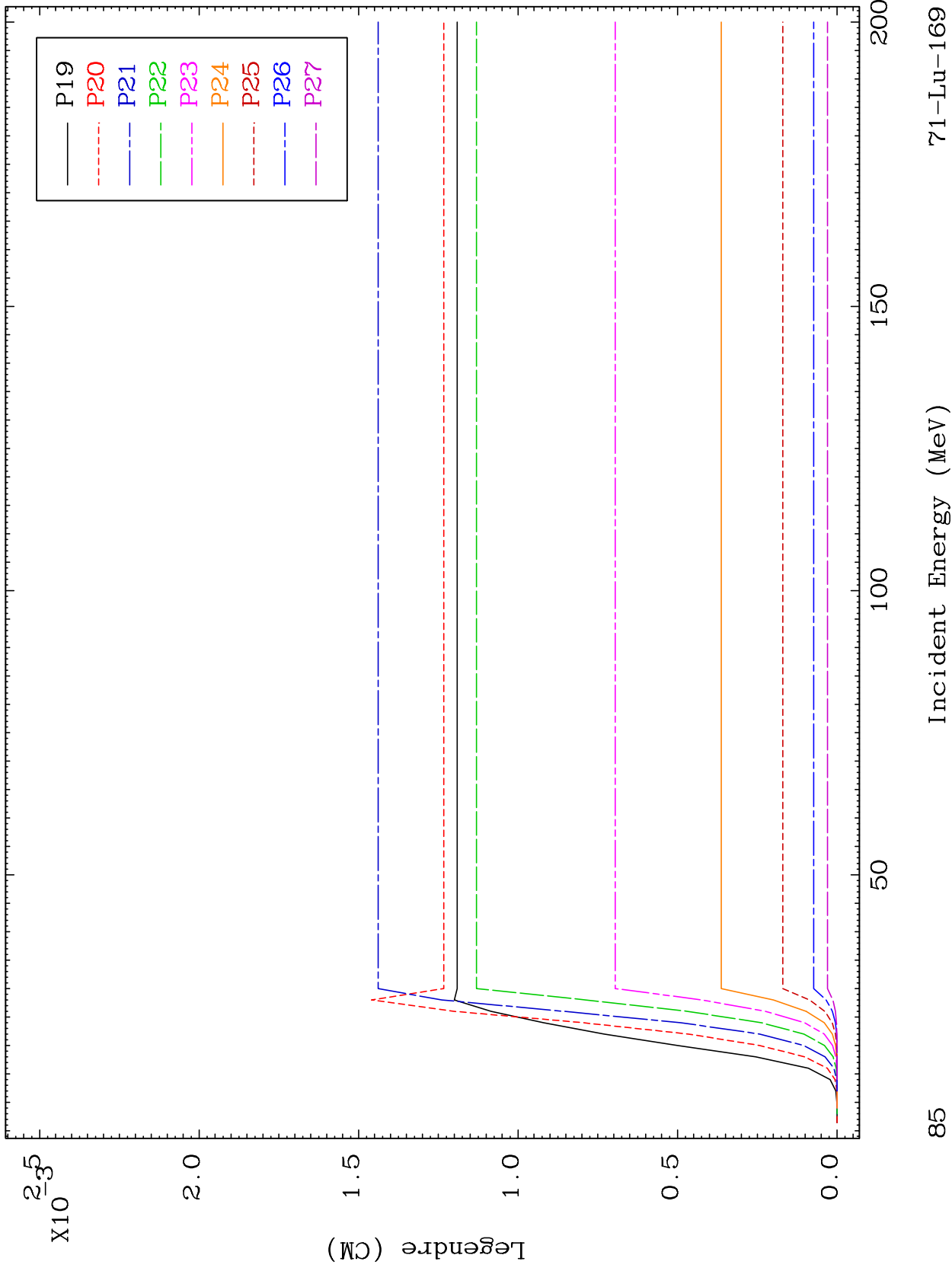




MAT 7107

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

71-Lu-169



85

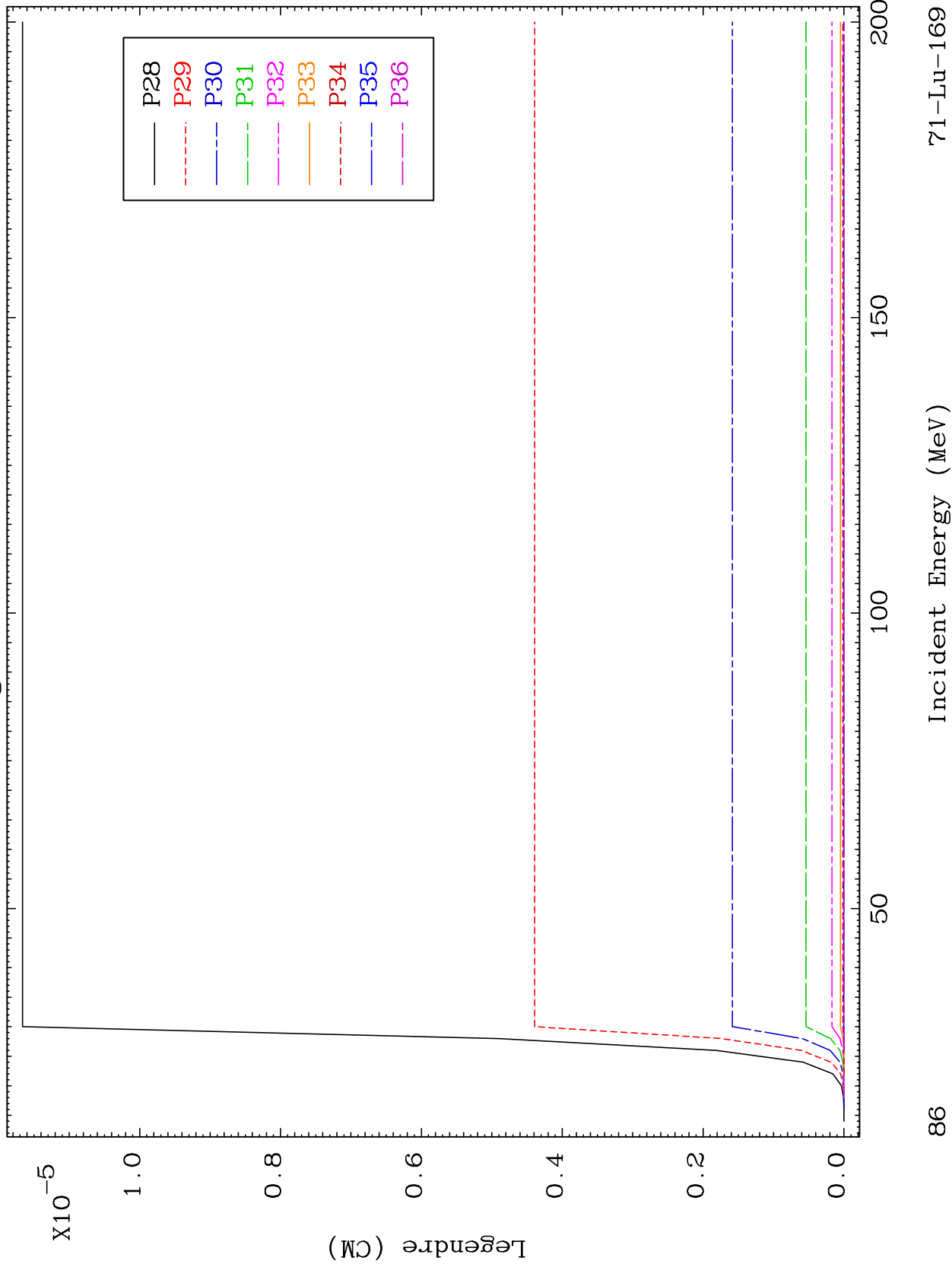
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



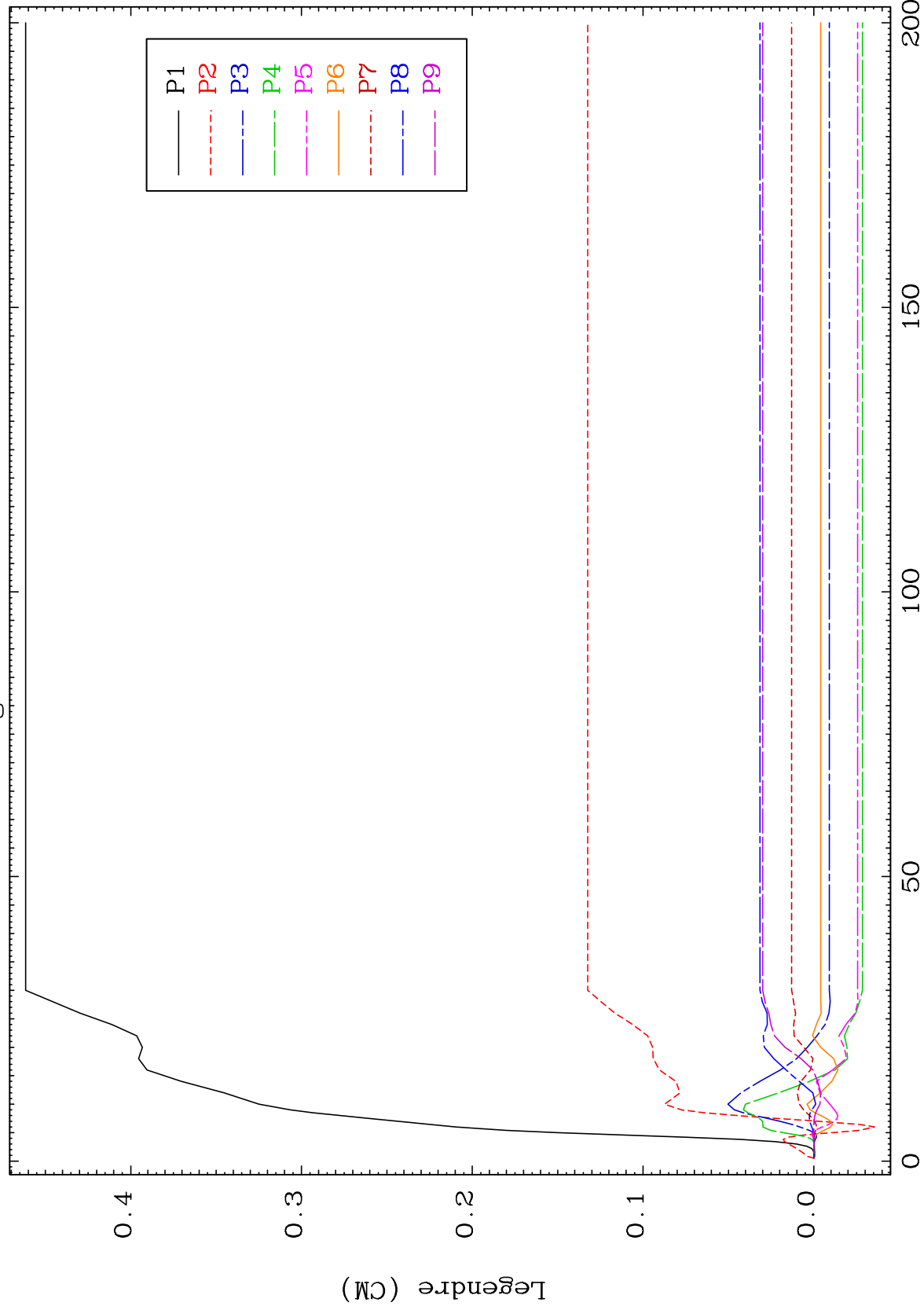
86

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

Incident Energy (MeV)

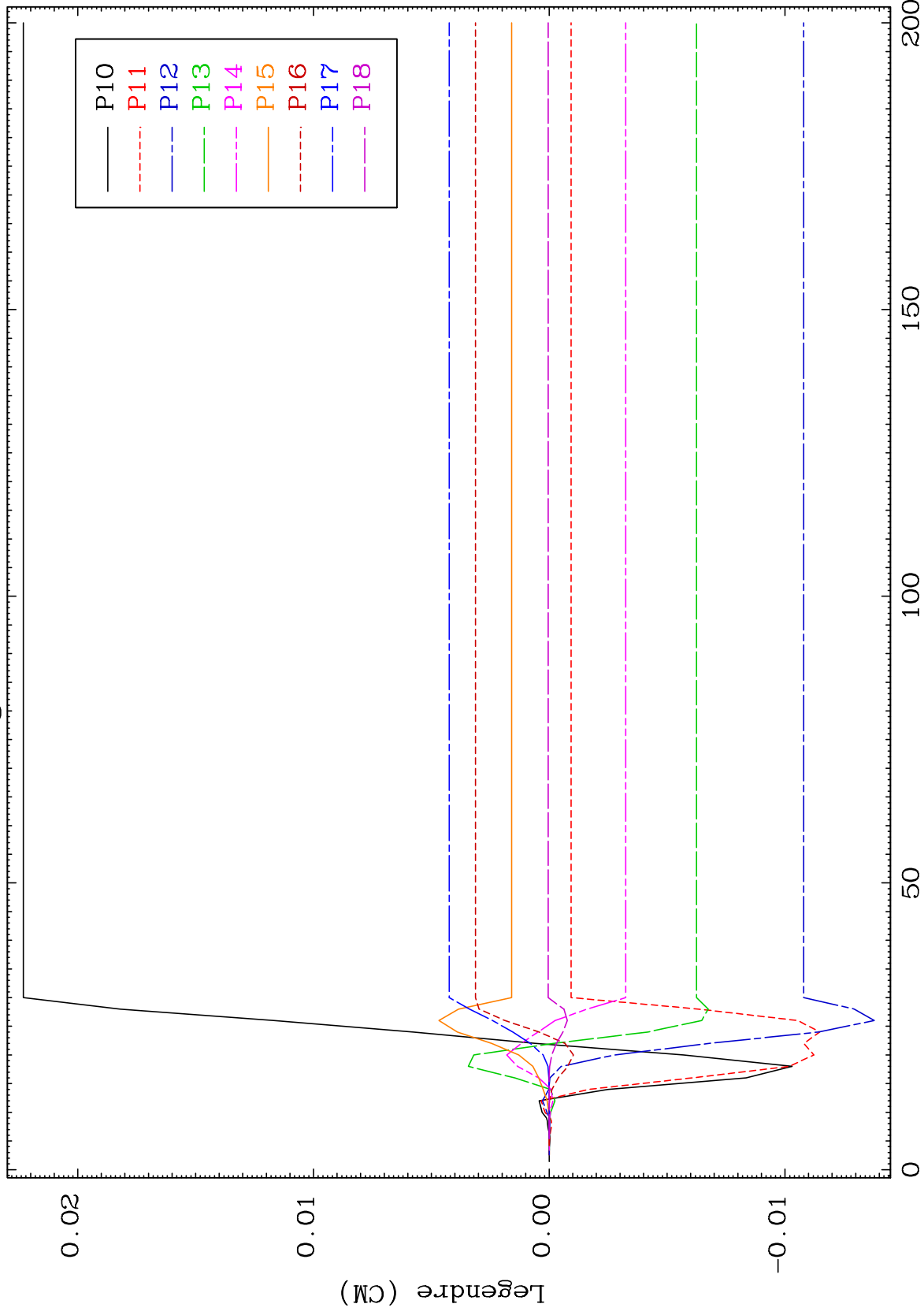
87



MAT 7107

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

71-Lu-169



88

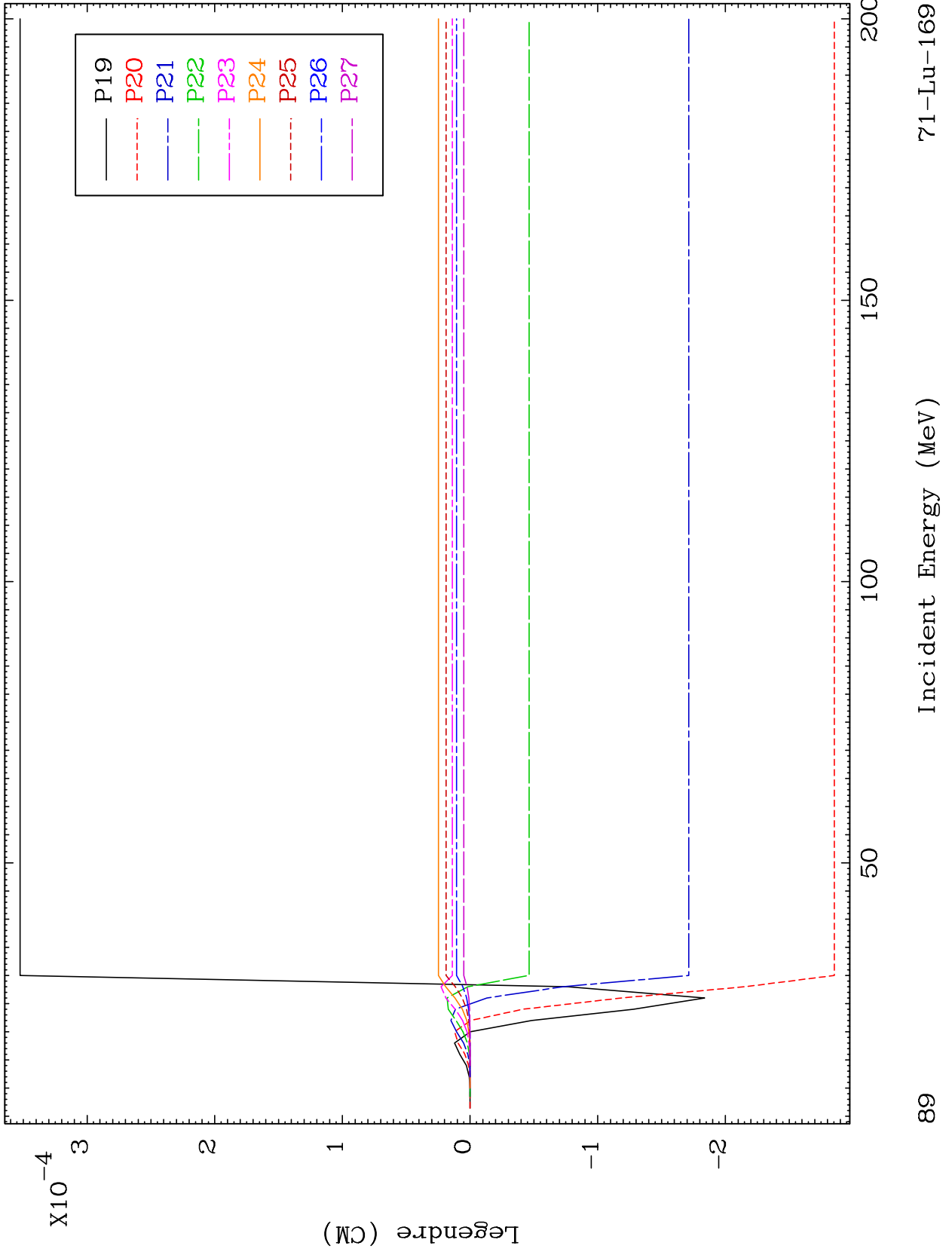
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

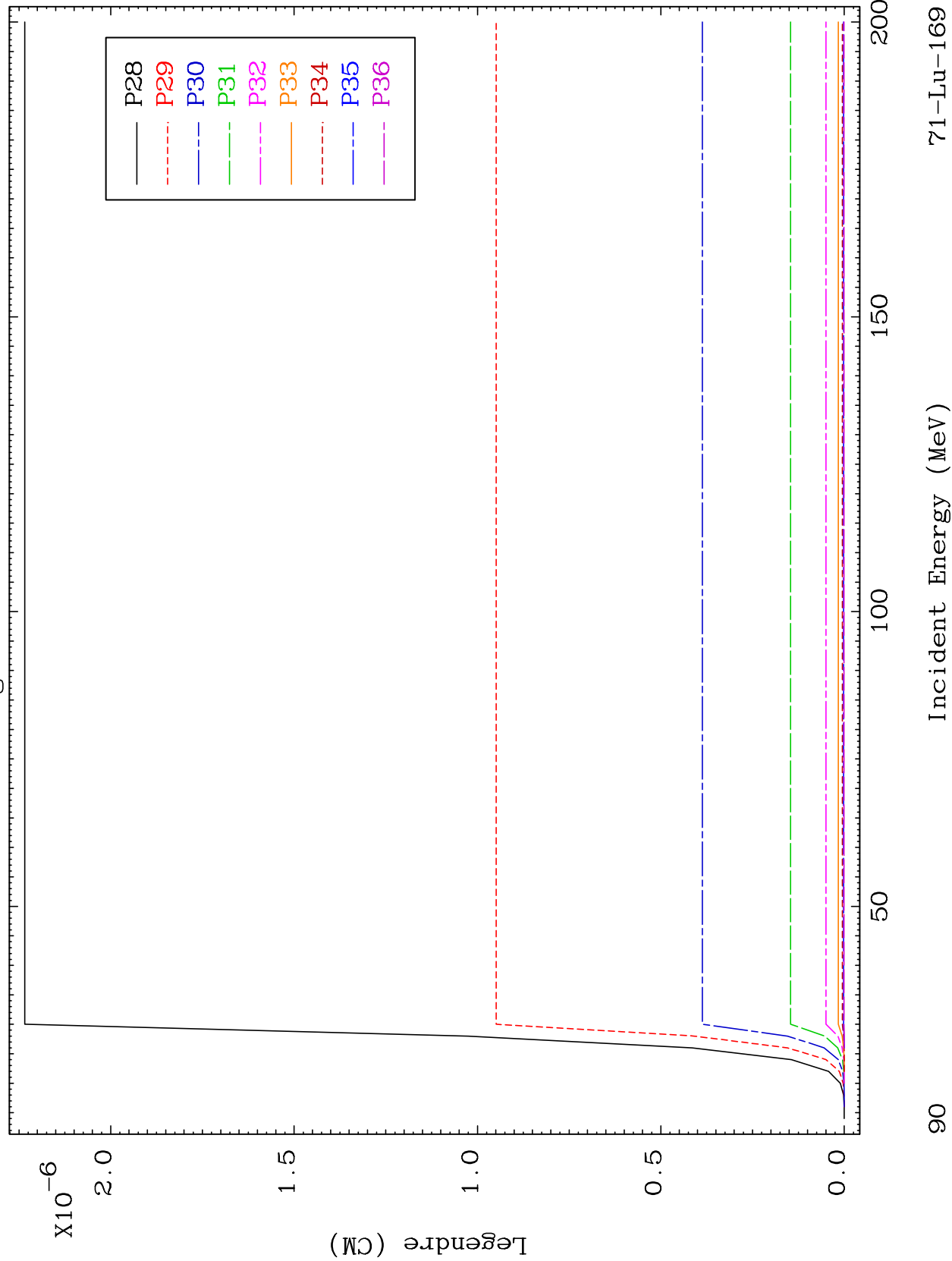
71-Lu-169



MAT 7107

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

71-Lu-169



90

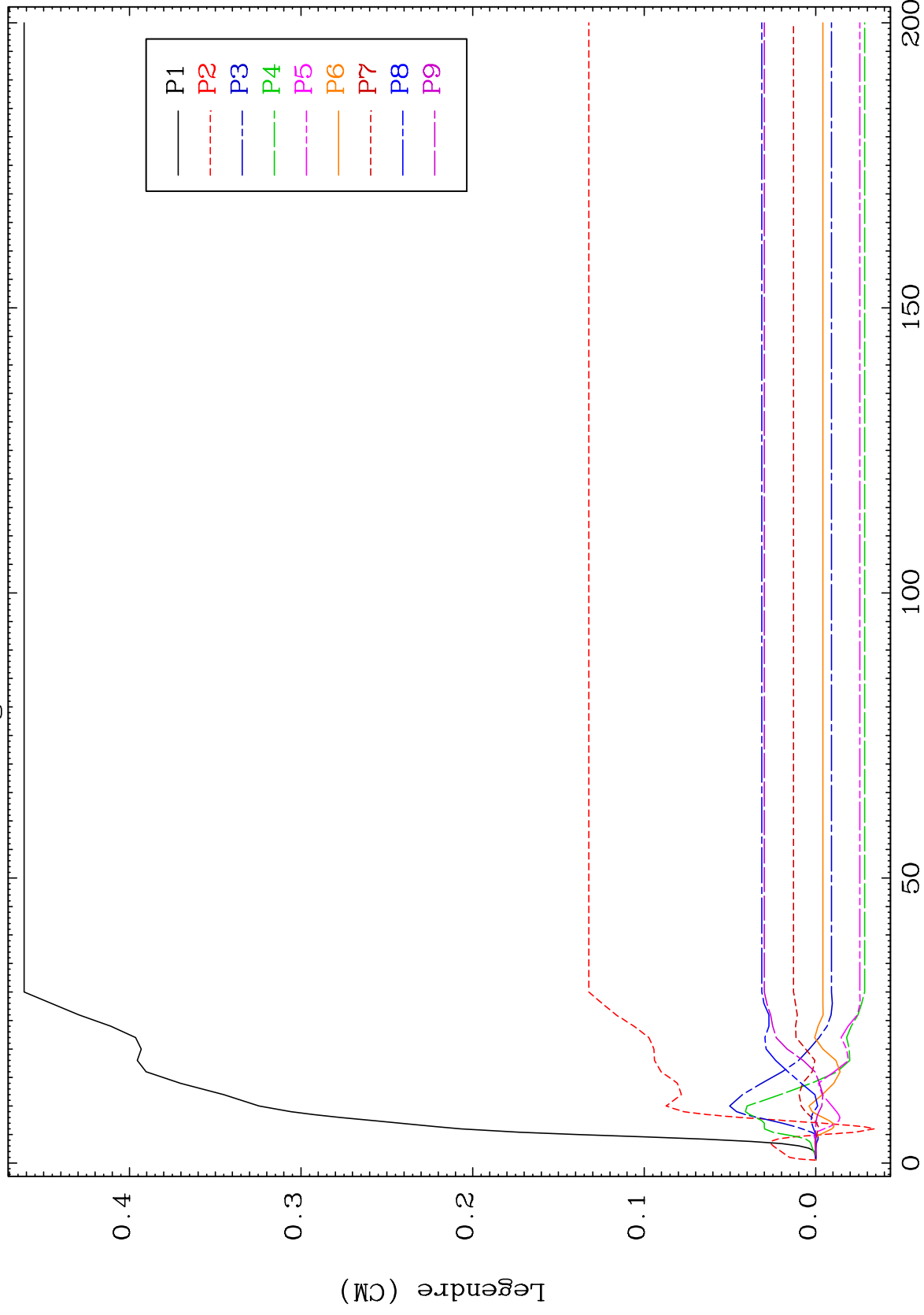
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



91

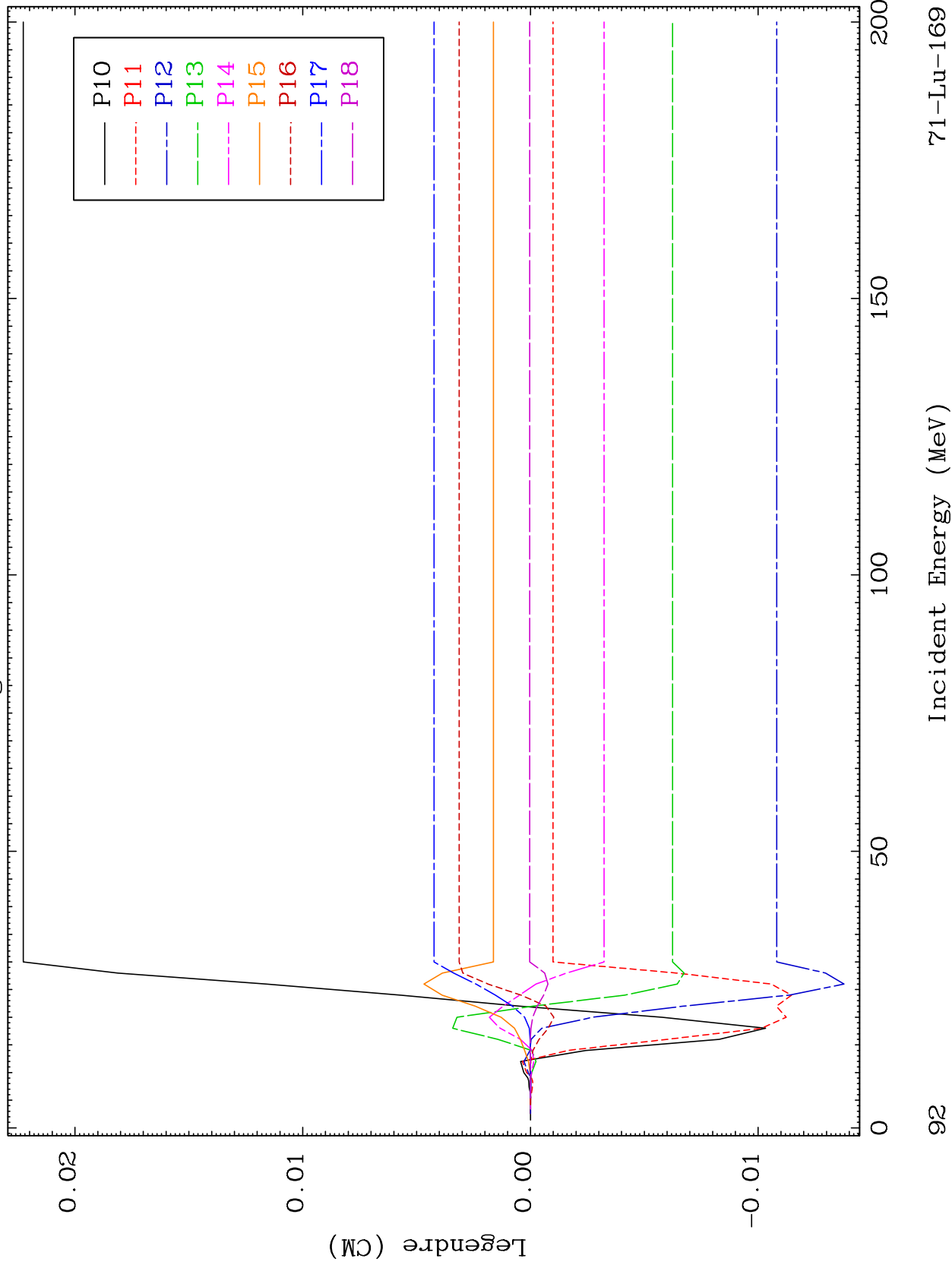
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

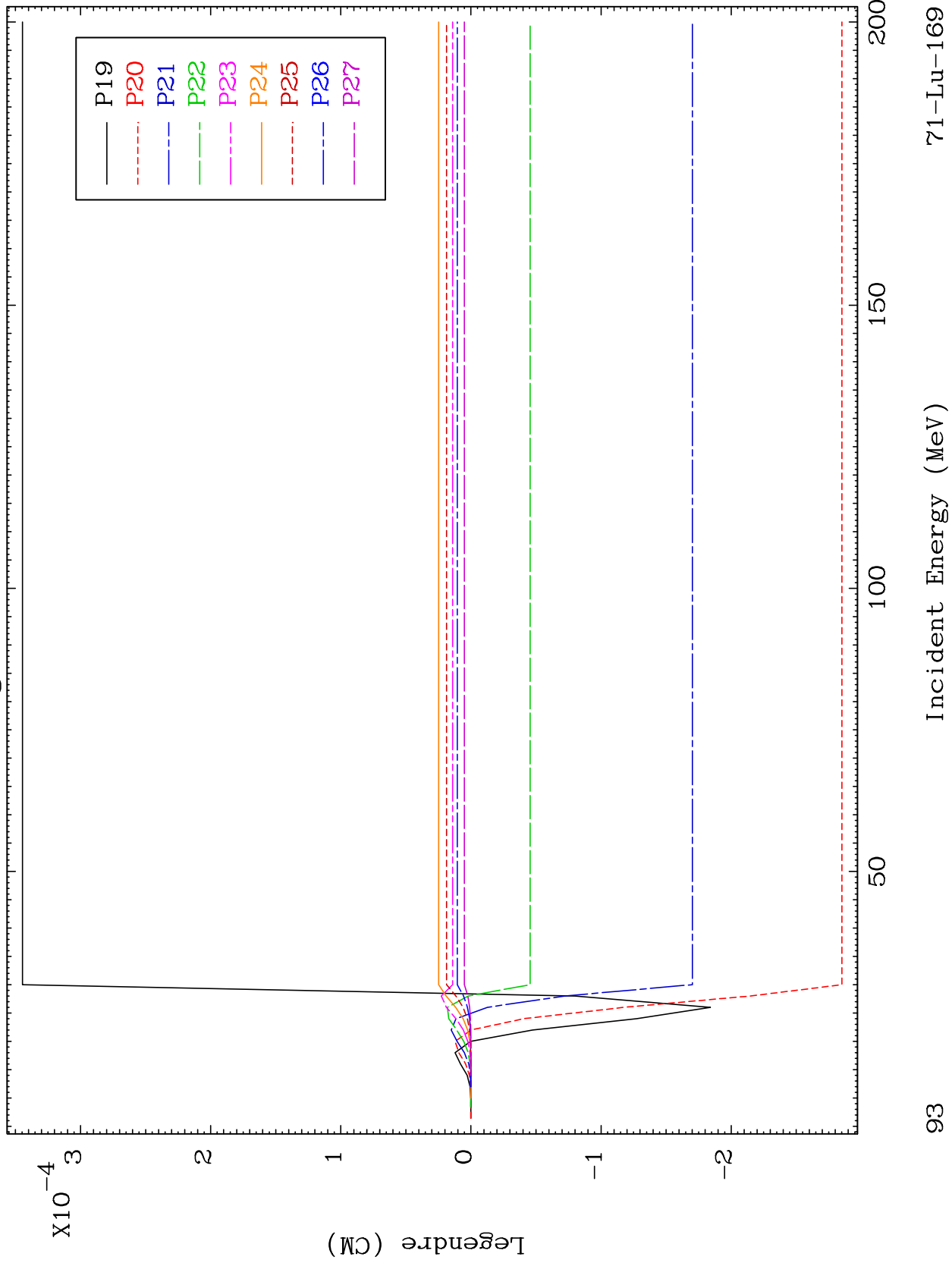
Incident Energy (MeV)

92

MAT 7107

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

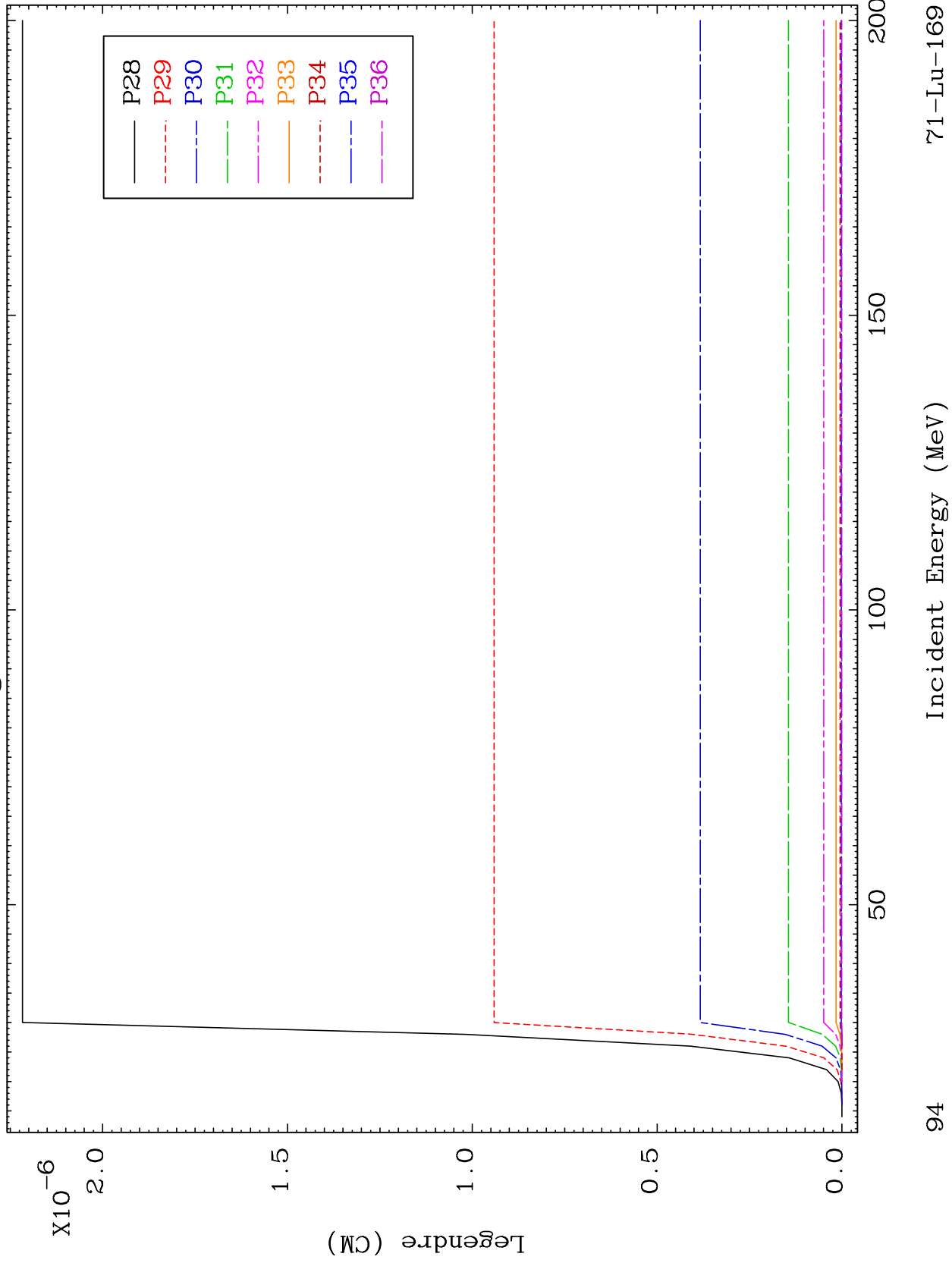
71-Lu-169



MAT 7107

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

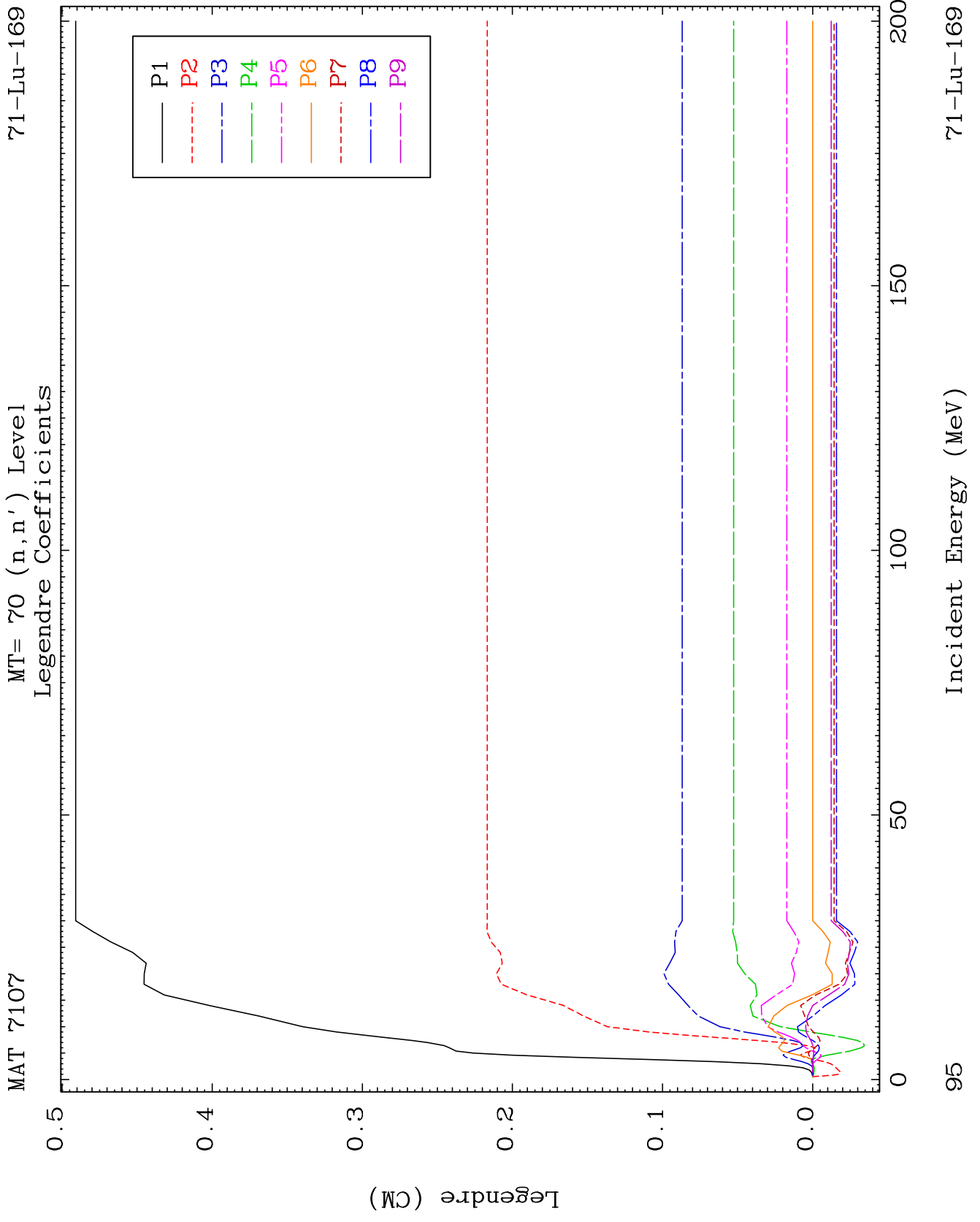
71-Lu-169



94

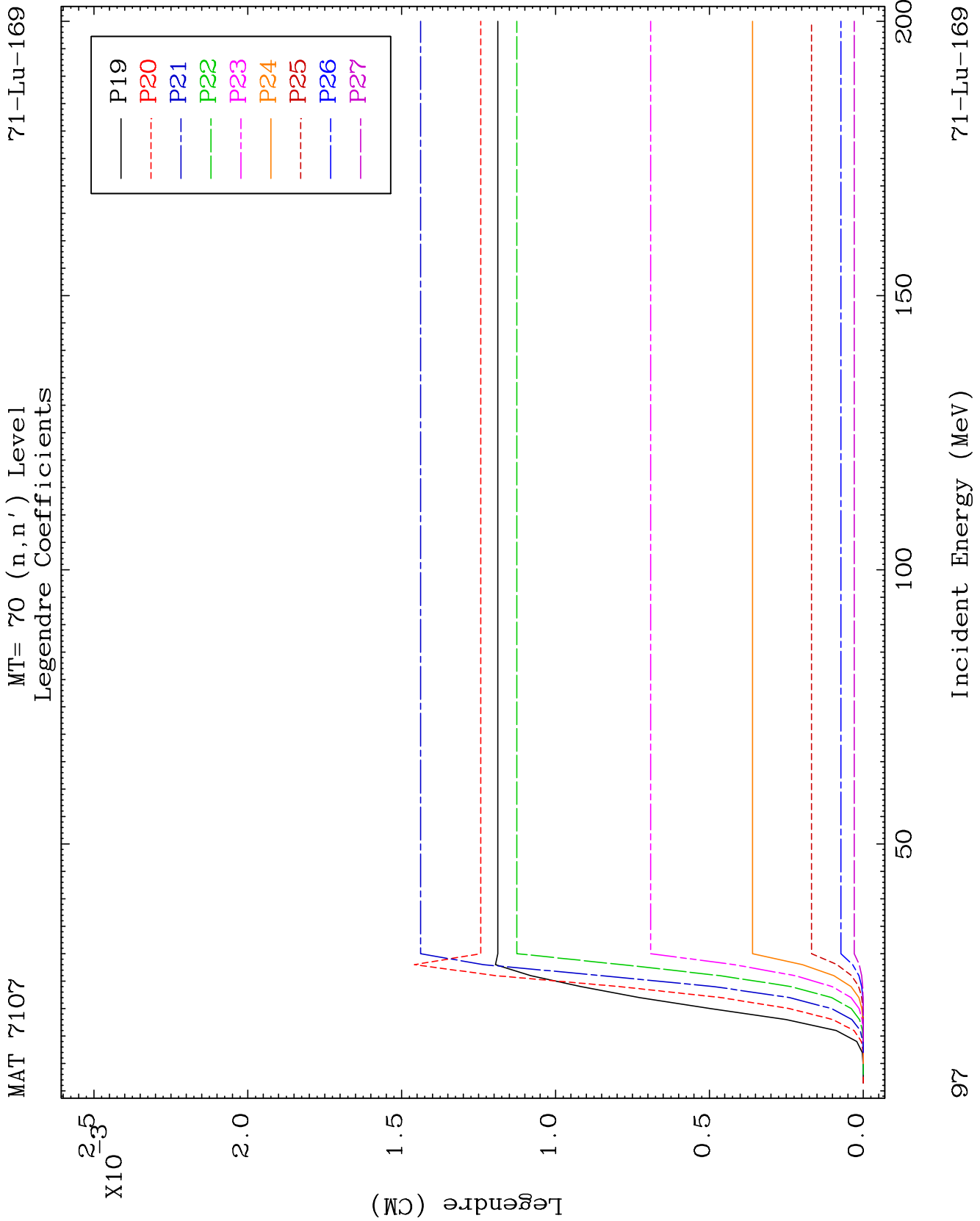
Incident Energy (MeV)

71-Lu-169





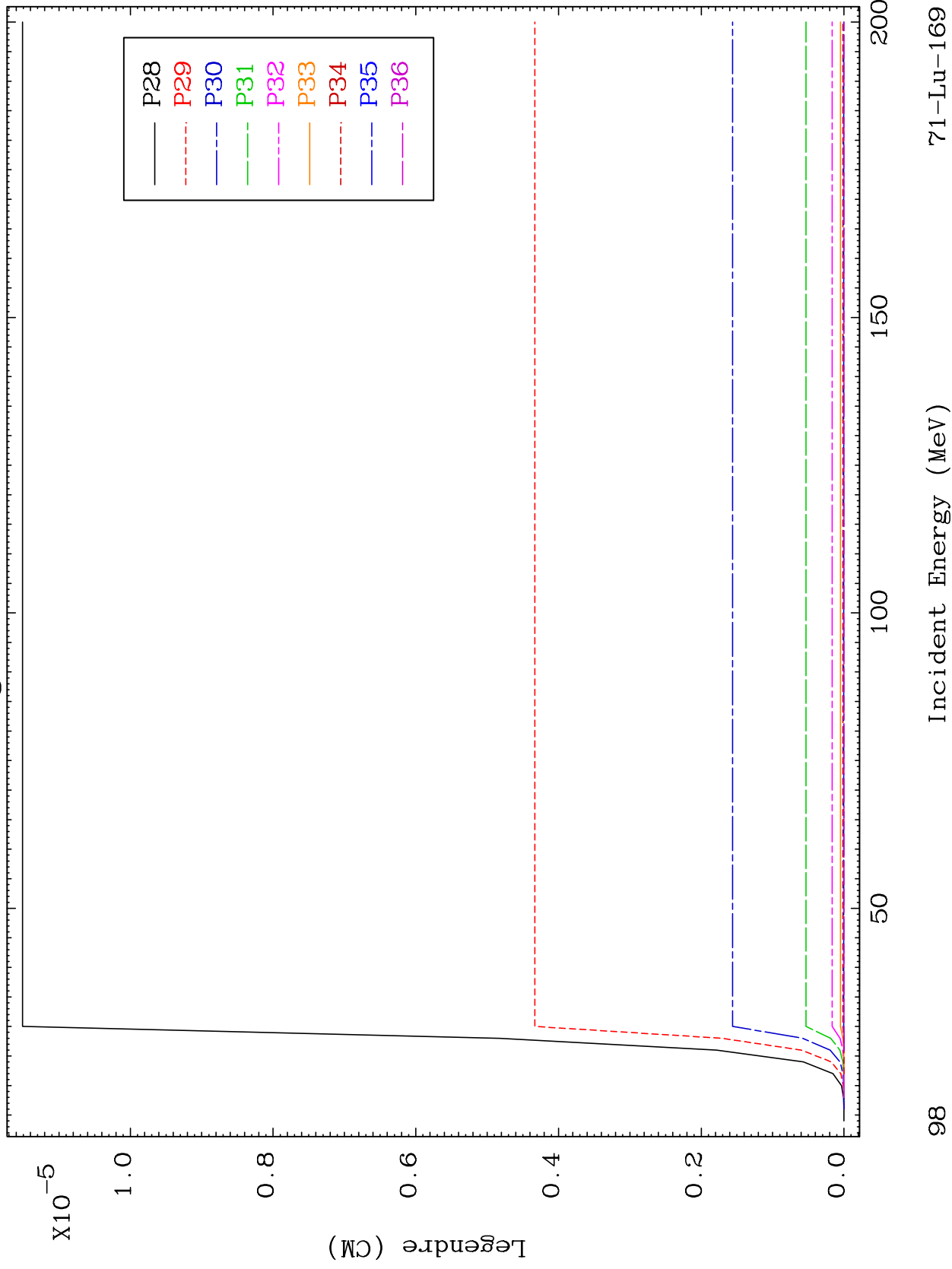


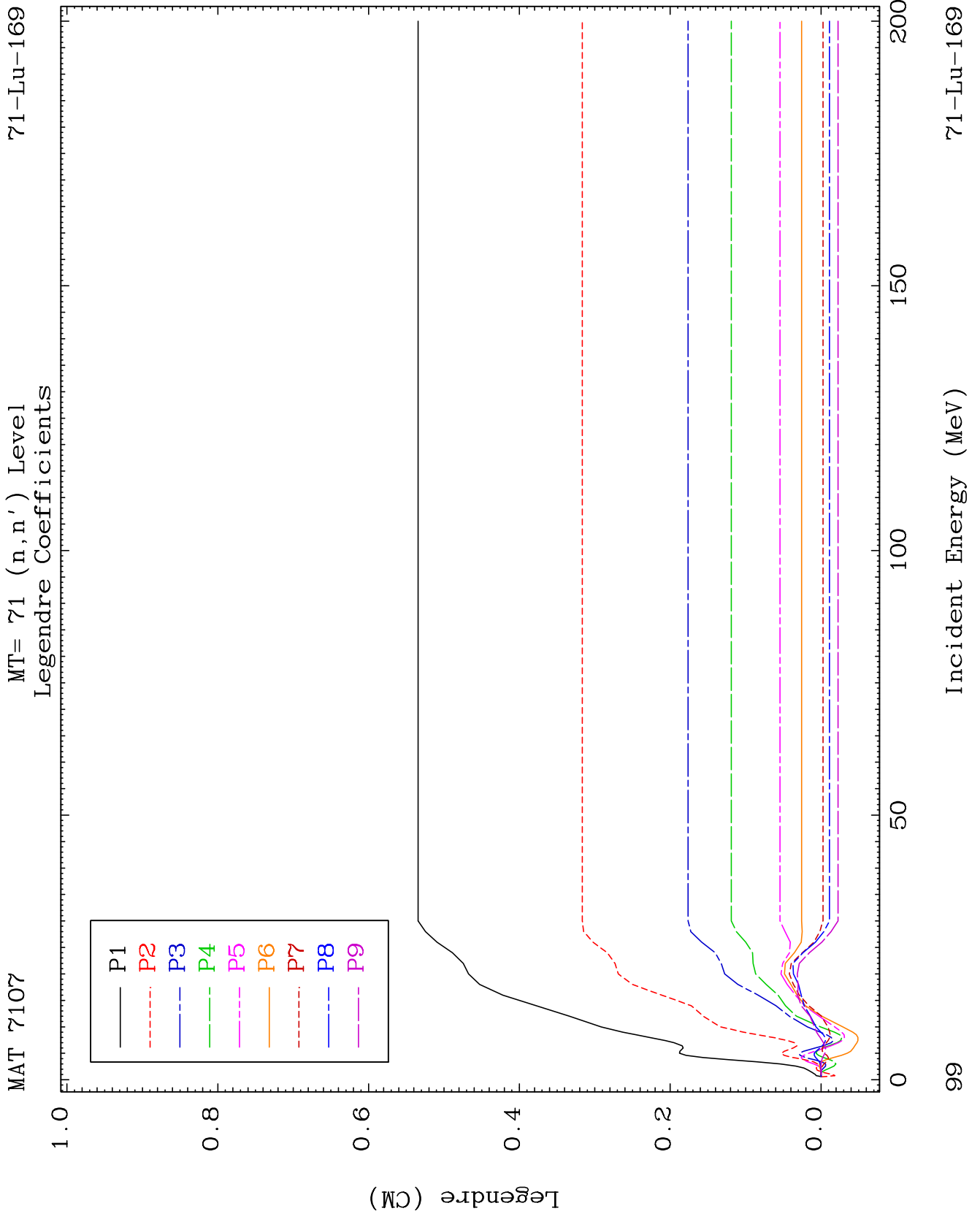


MAT 7107

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

71-Lu-169



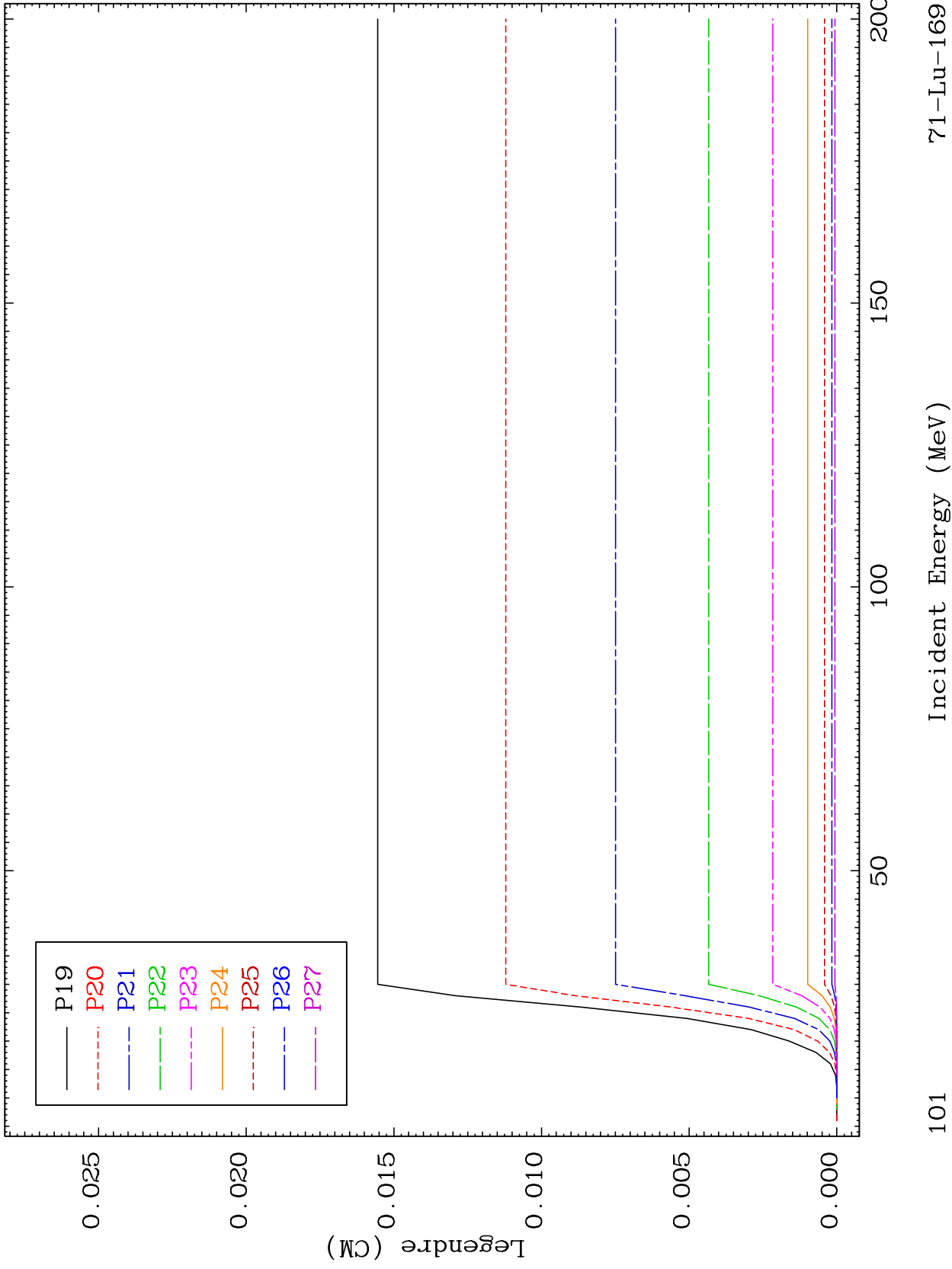




MAT 7107

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

71-Lu-169



101

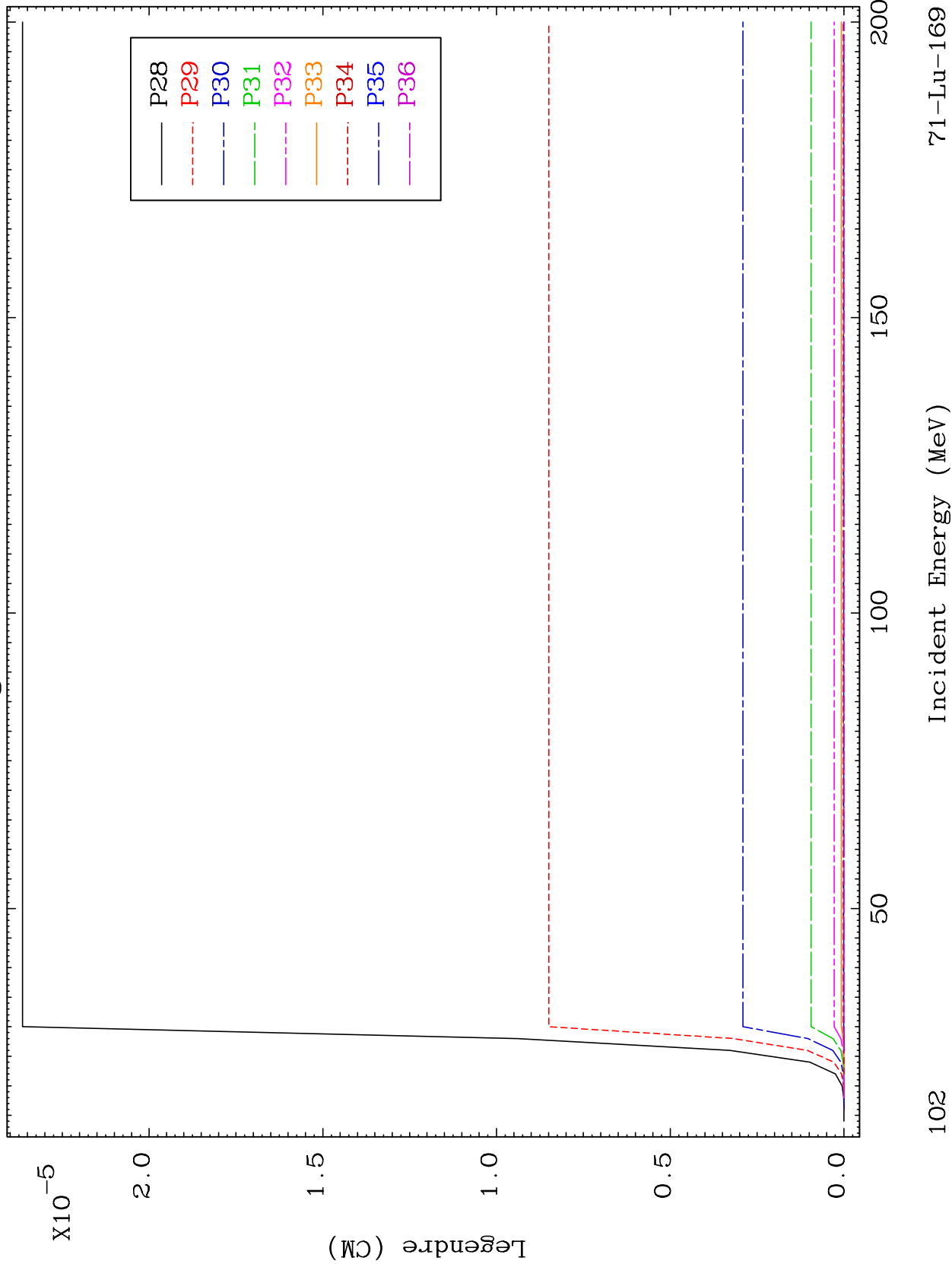
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



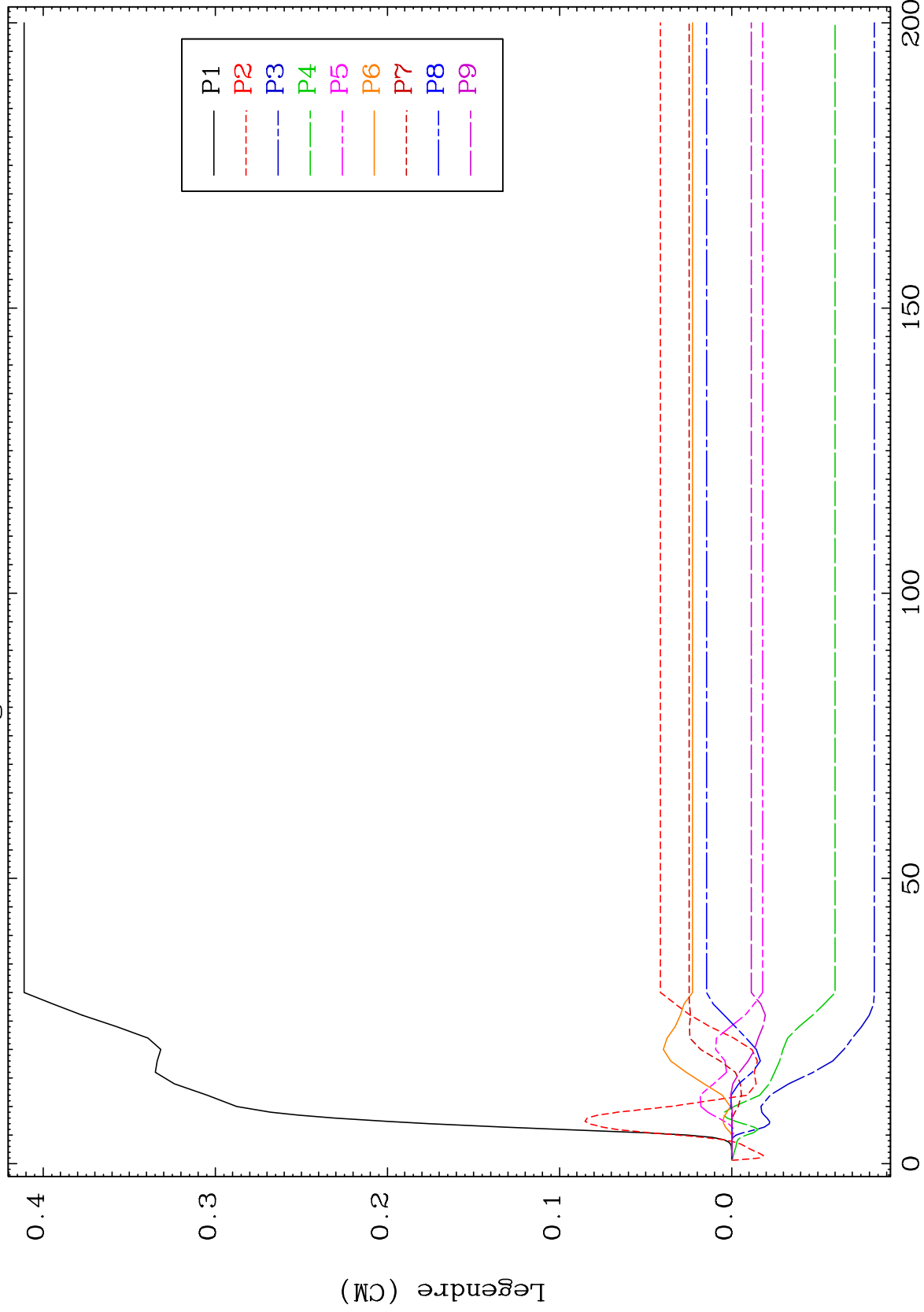
102

71-Lu-169

MAT 7107

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

71-Lu-169



103

Incident Energy (MeV)

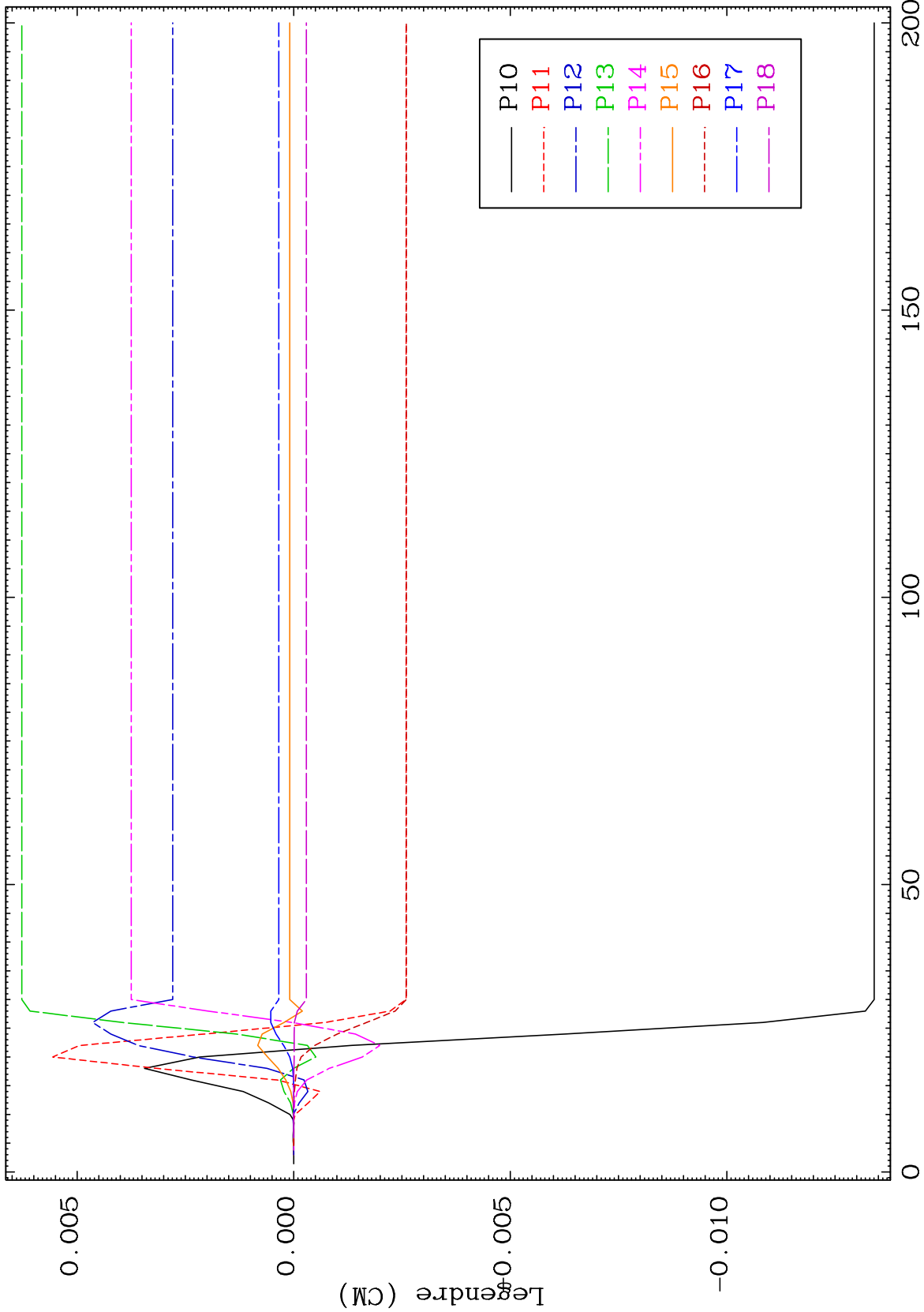
71-Lu-169



MAT 7107

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

71-Lu-169



104

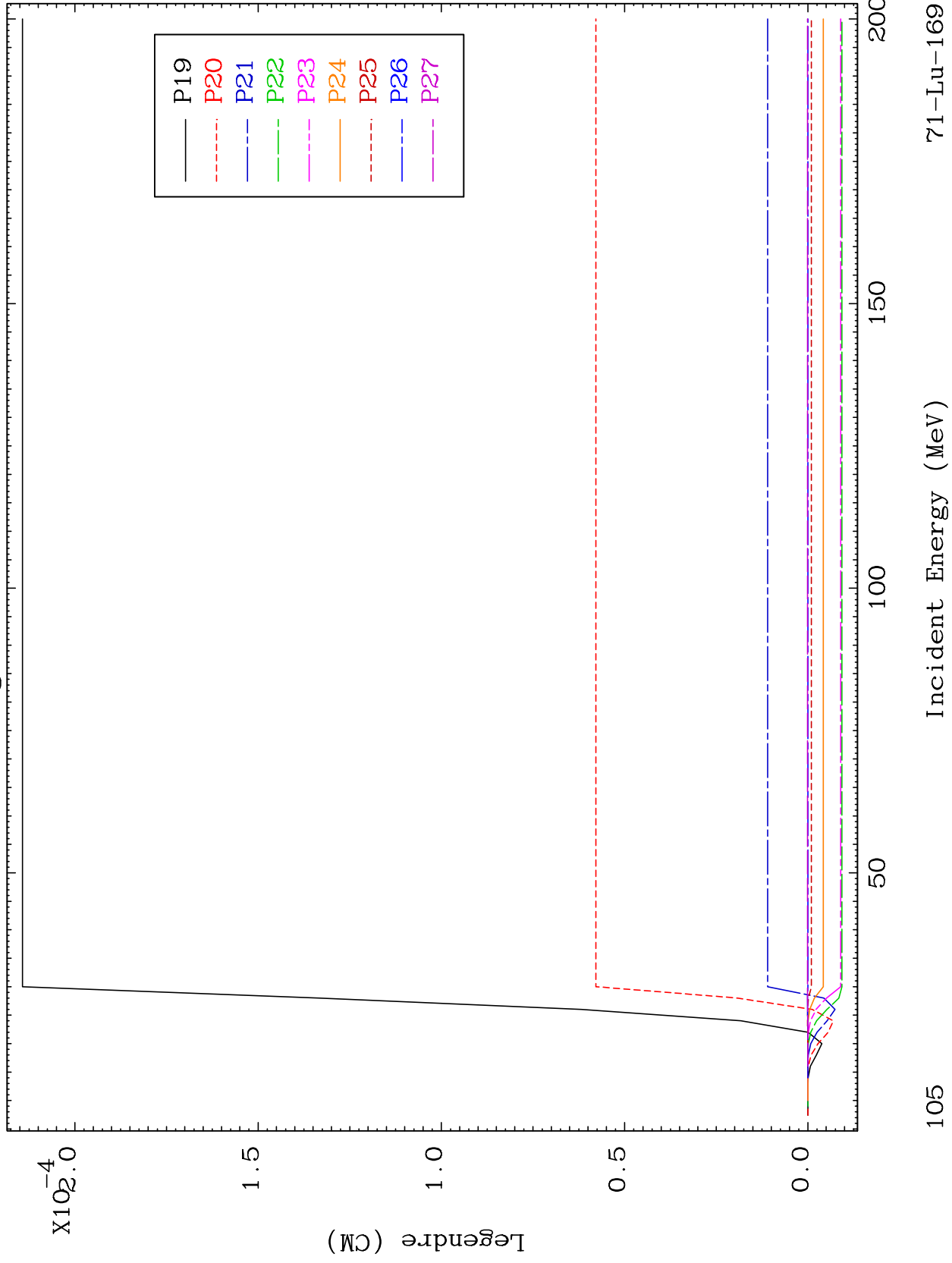
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



105

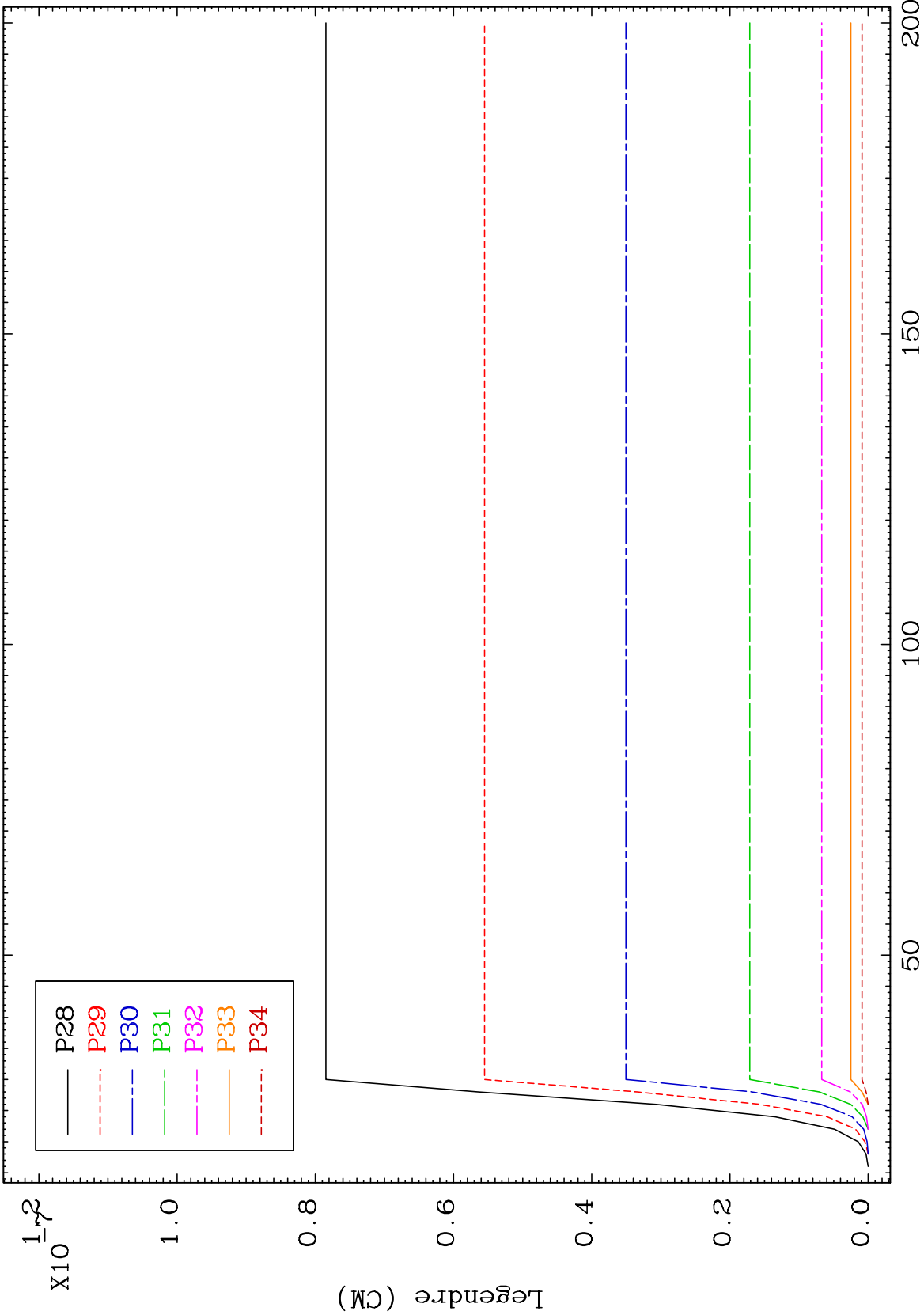
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



106

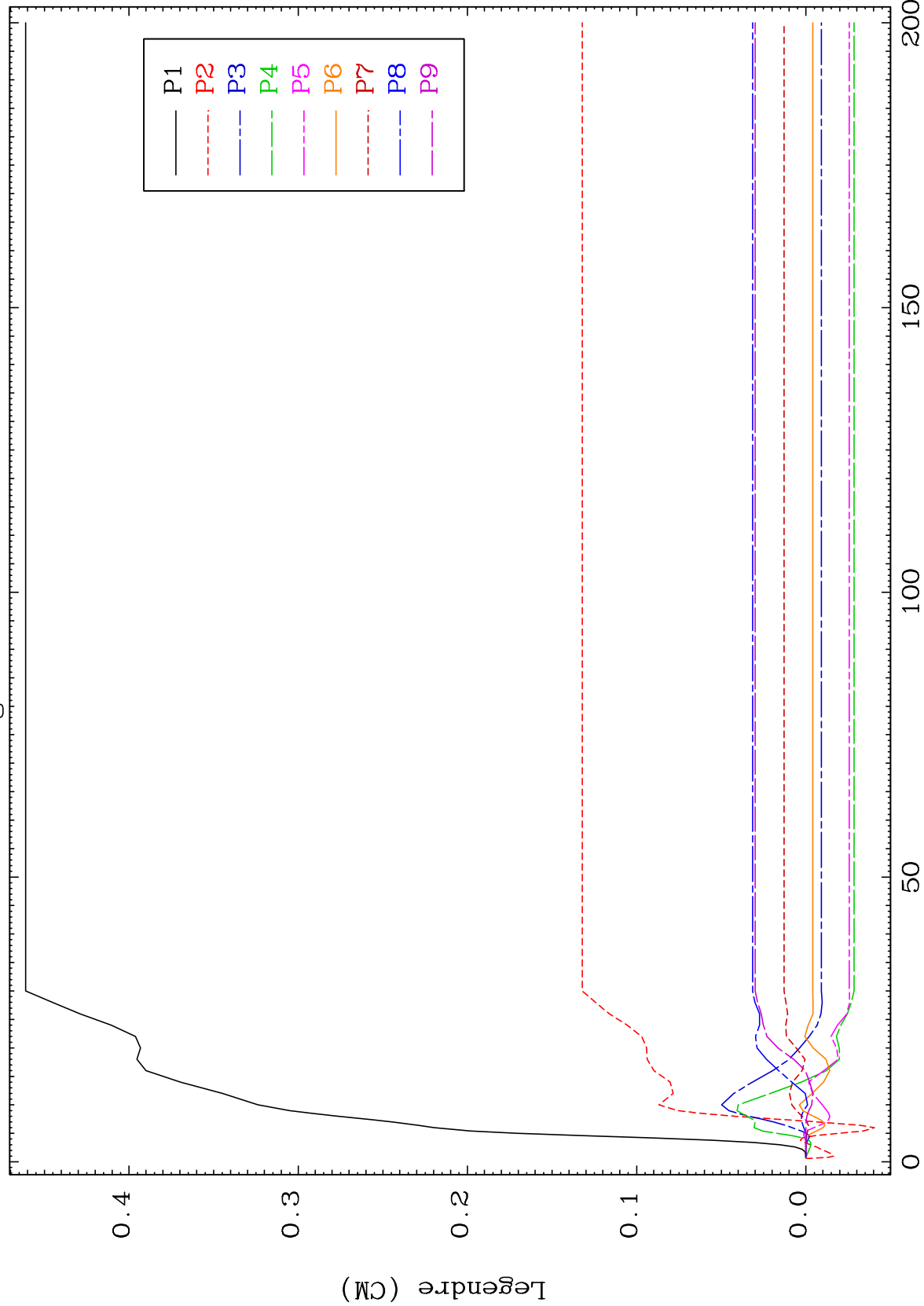
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

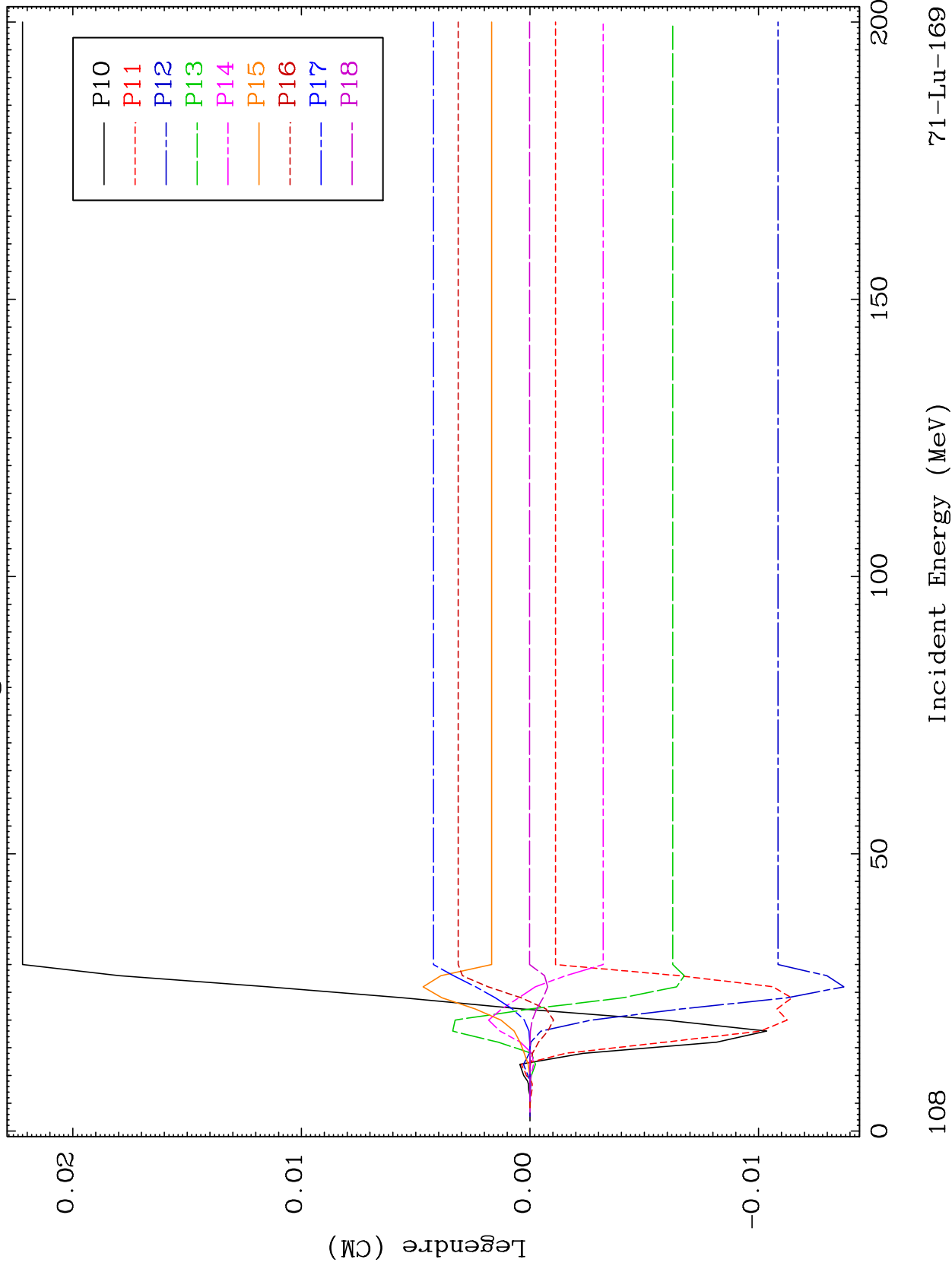
Incident Energy (MeV)

107

MAT 7107

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

71-Lu-169

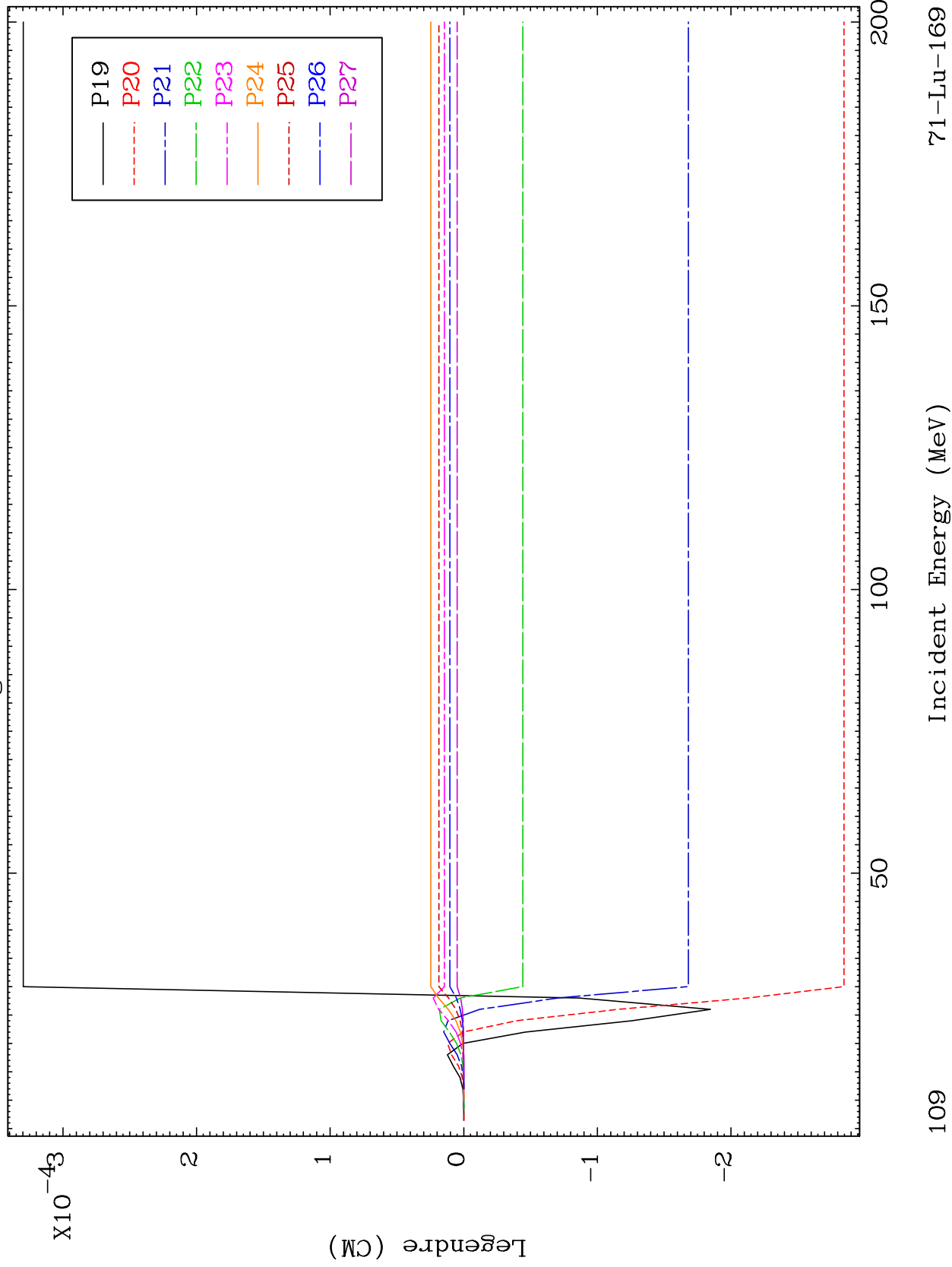


108

MAT 7107

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

71-Lu-169



109

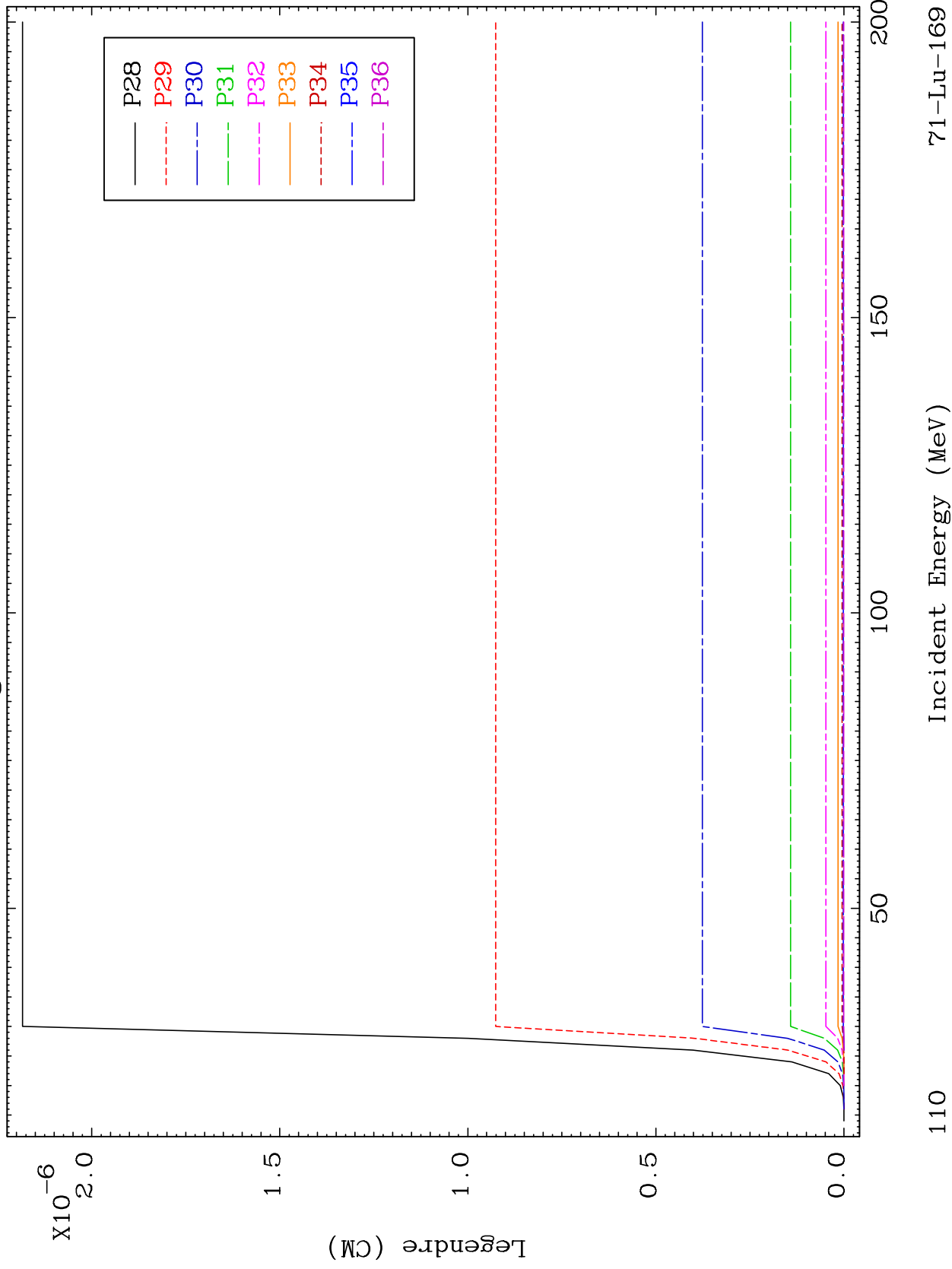
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

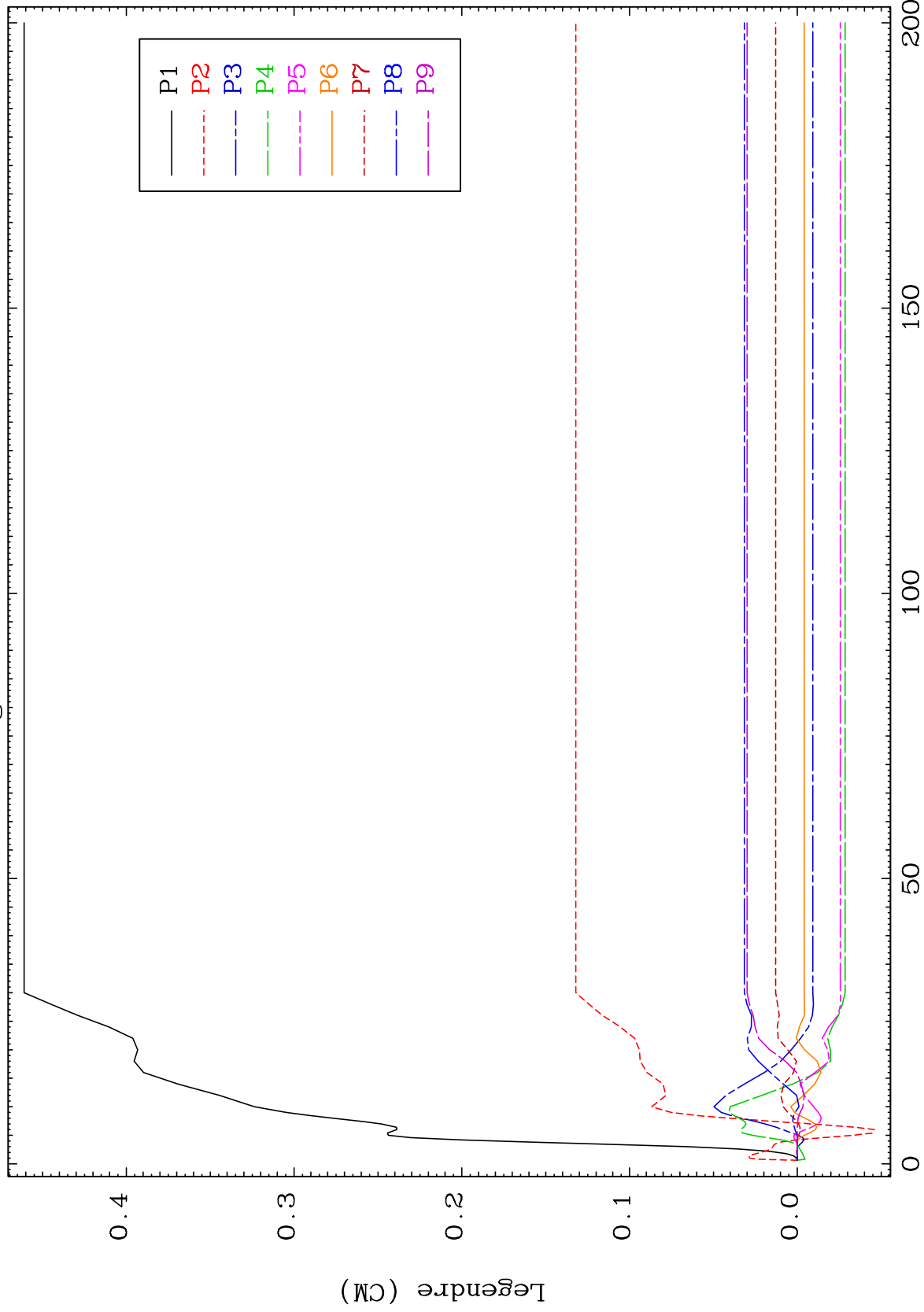
71-Lu-169



MAT 7107

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

71-Lu-169



111

Incident Energy (MeV)

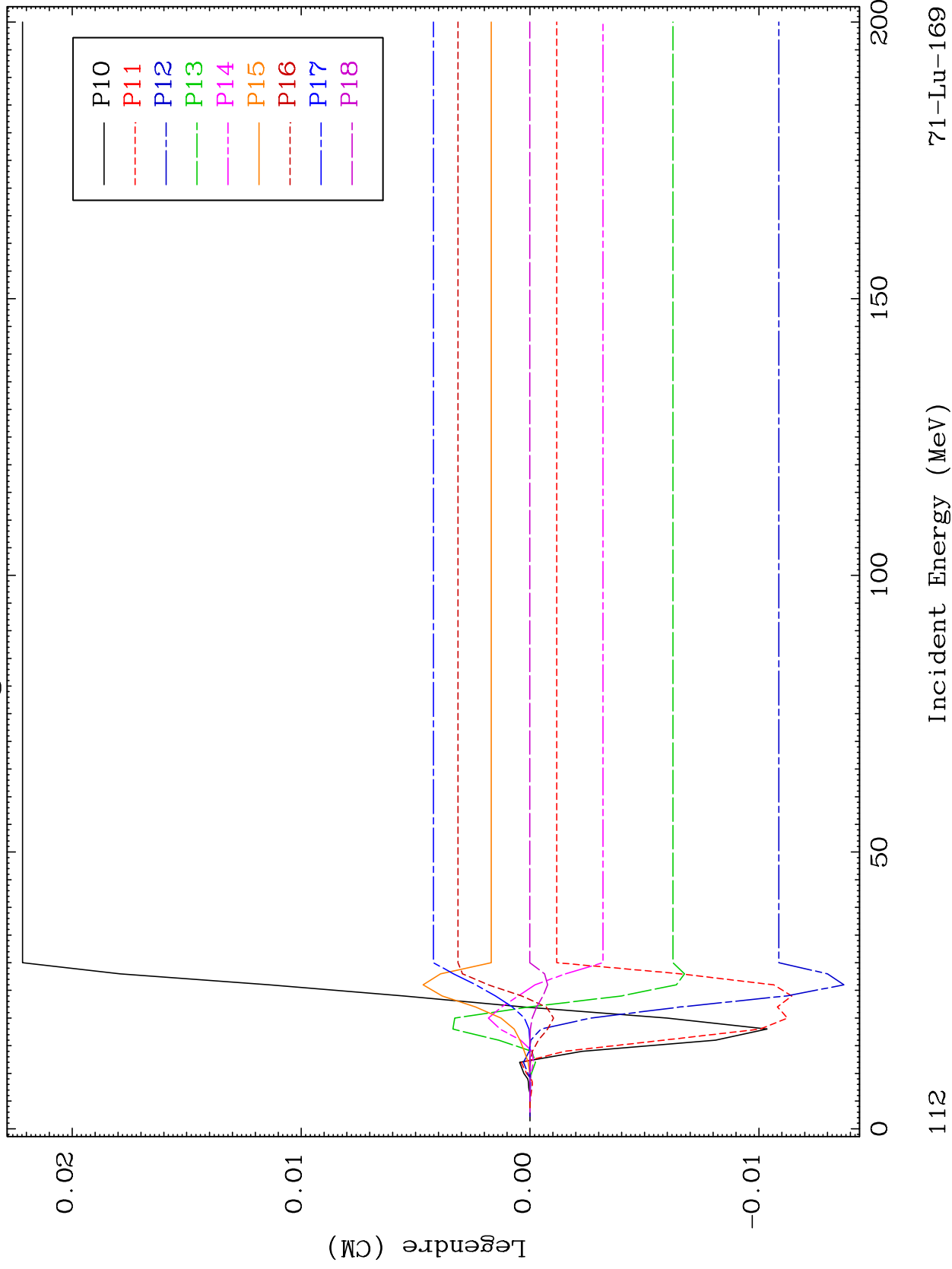
71-Lu-169



MAT 7107

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

71-Lu-169



71-Lu-169

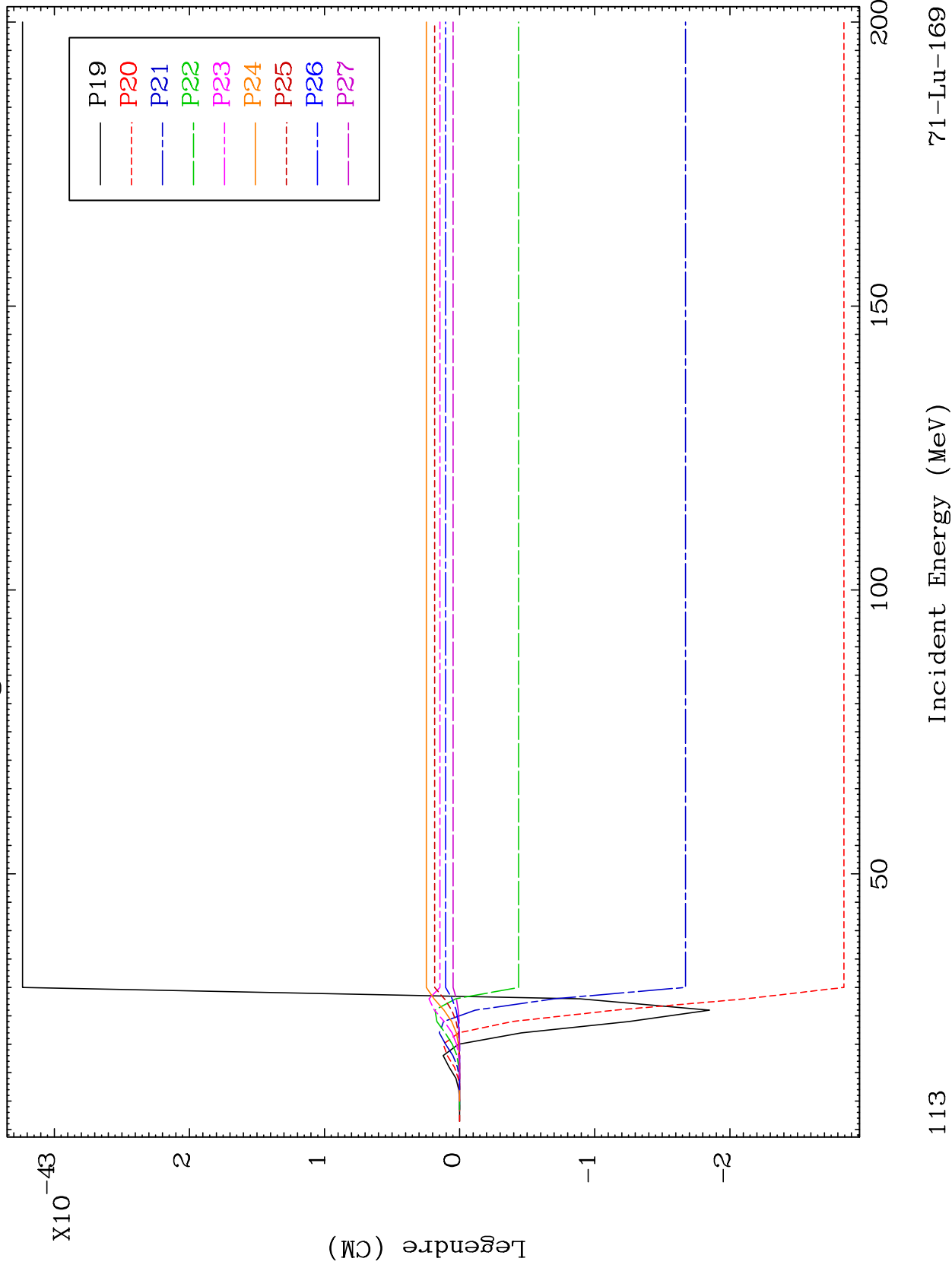
Incident Energy (MeV)

112

MAT 7107

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

71-Lu-169



113

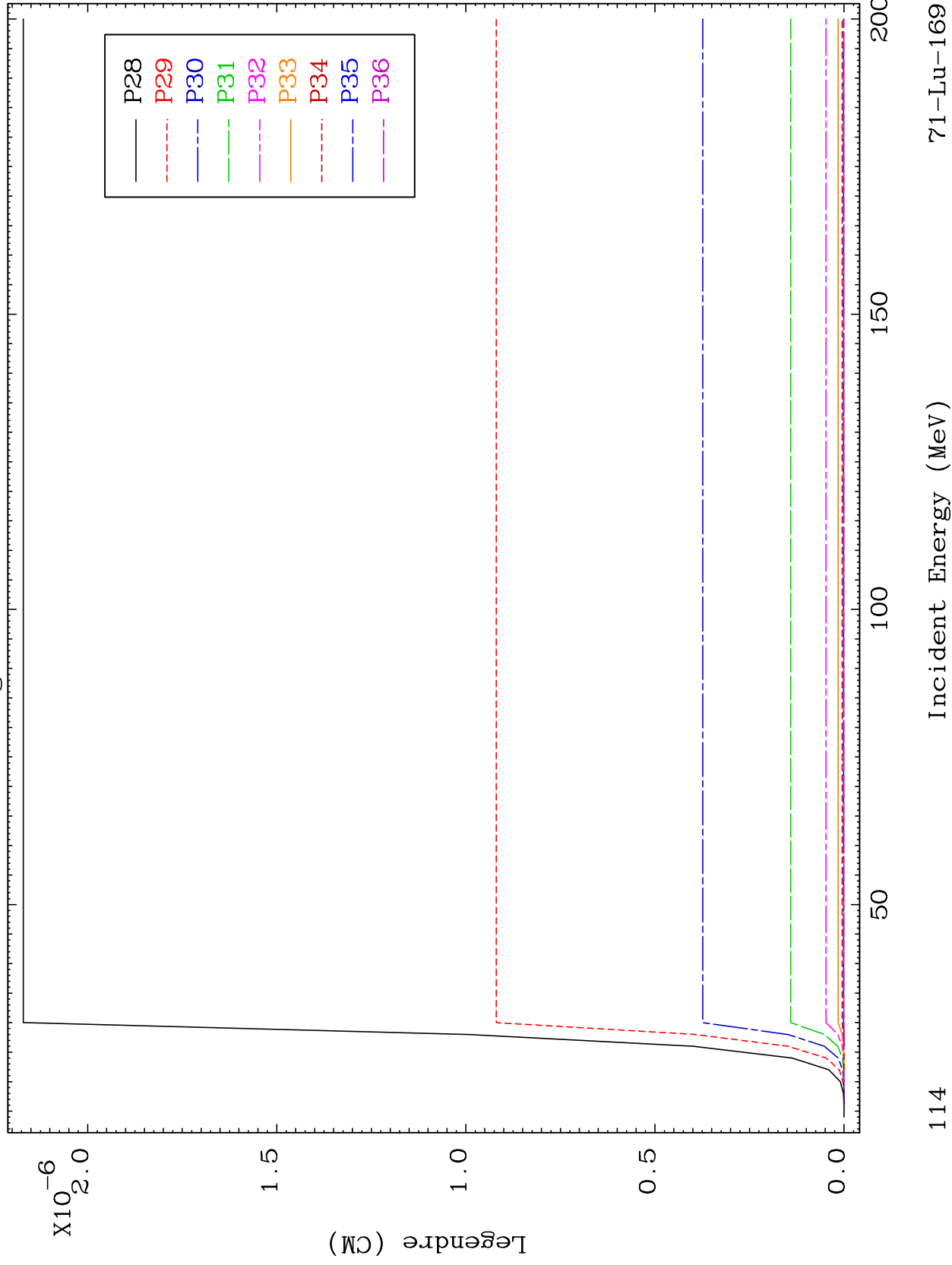
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169

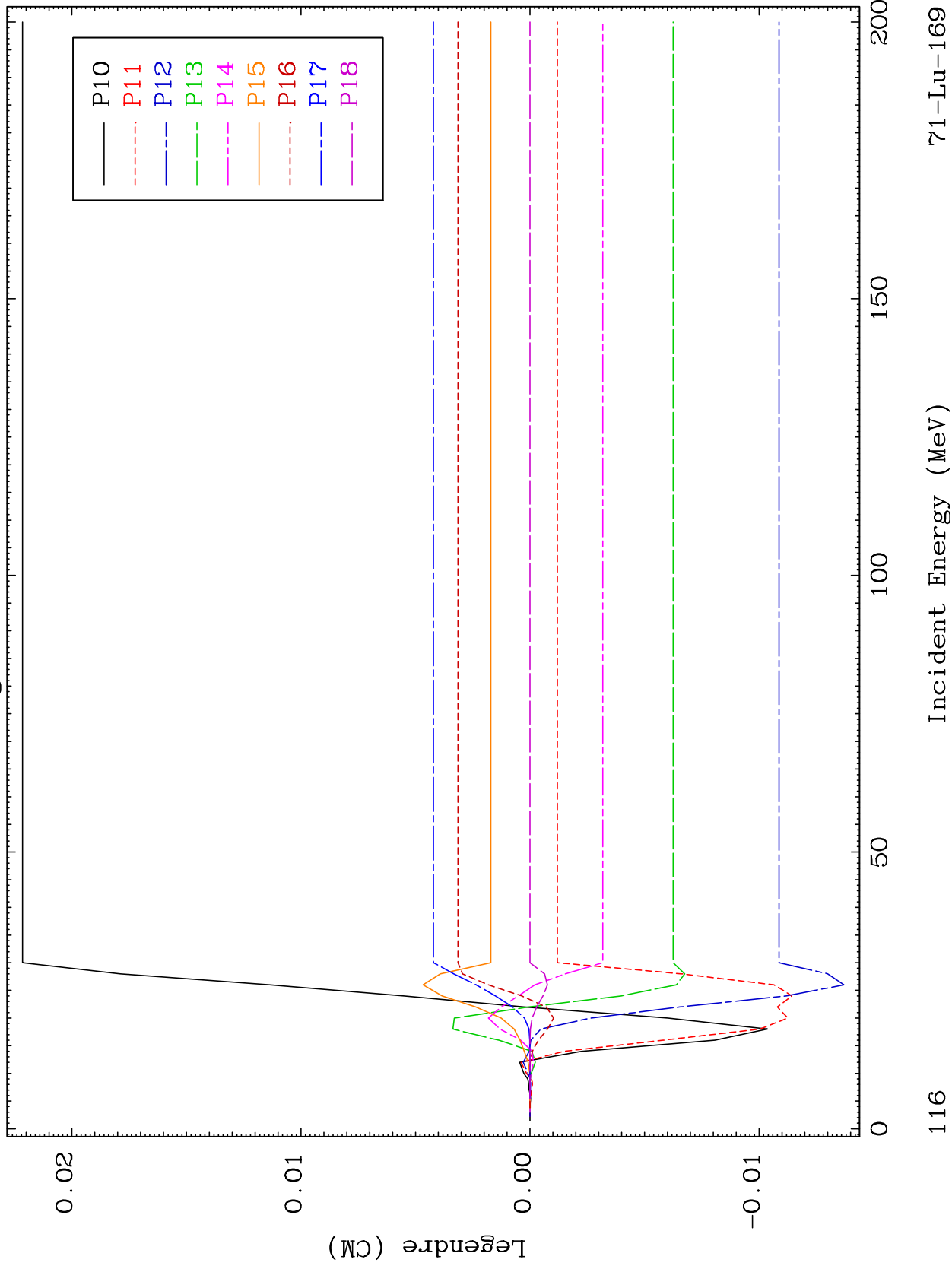




MAT 7107

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

71-Lu-169



116

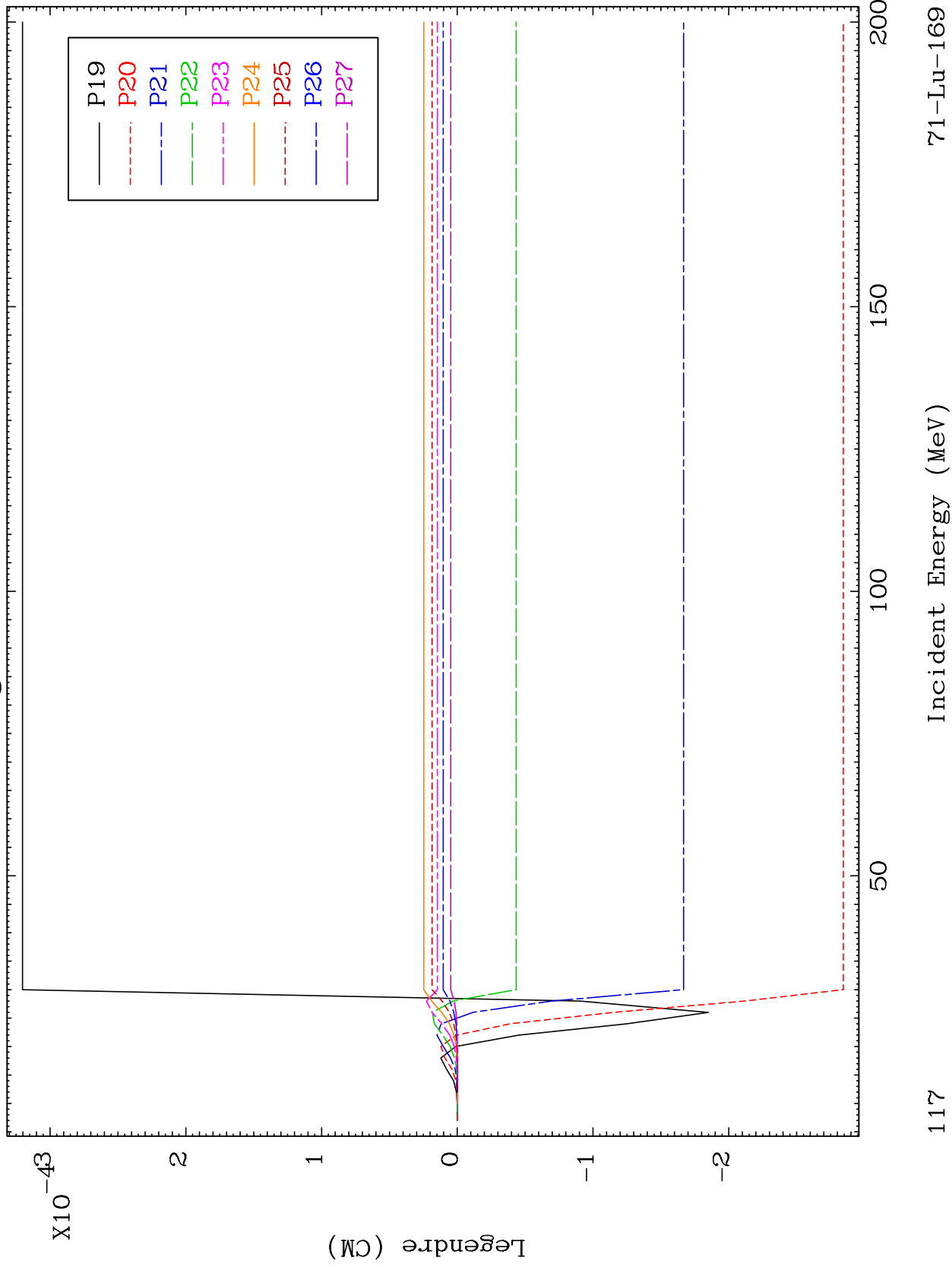
Incident Energy (MeV)

71-Lu-169

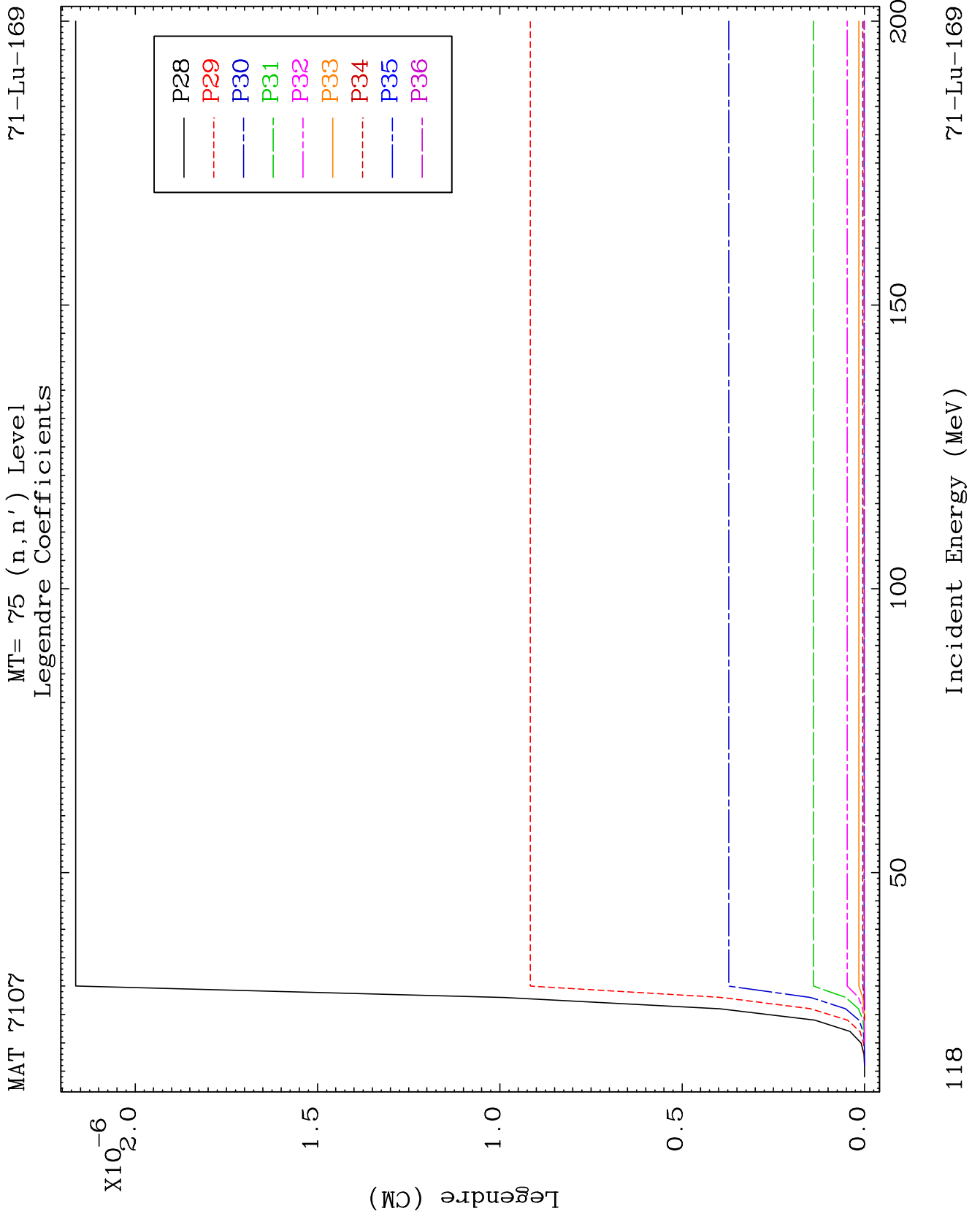
MAT 7107

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

71-Lu-169

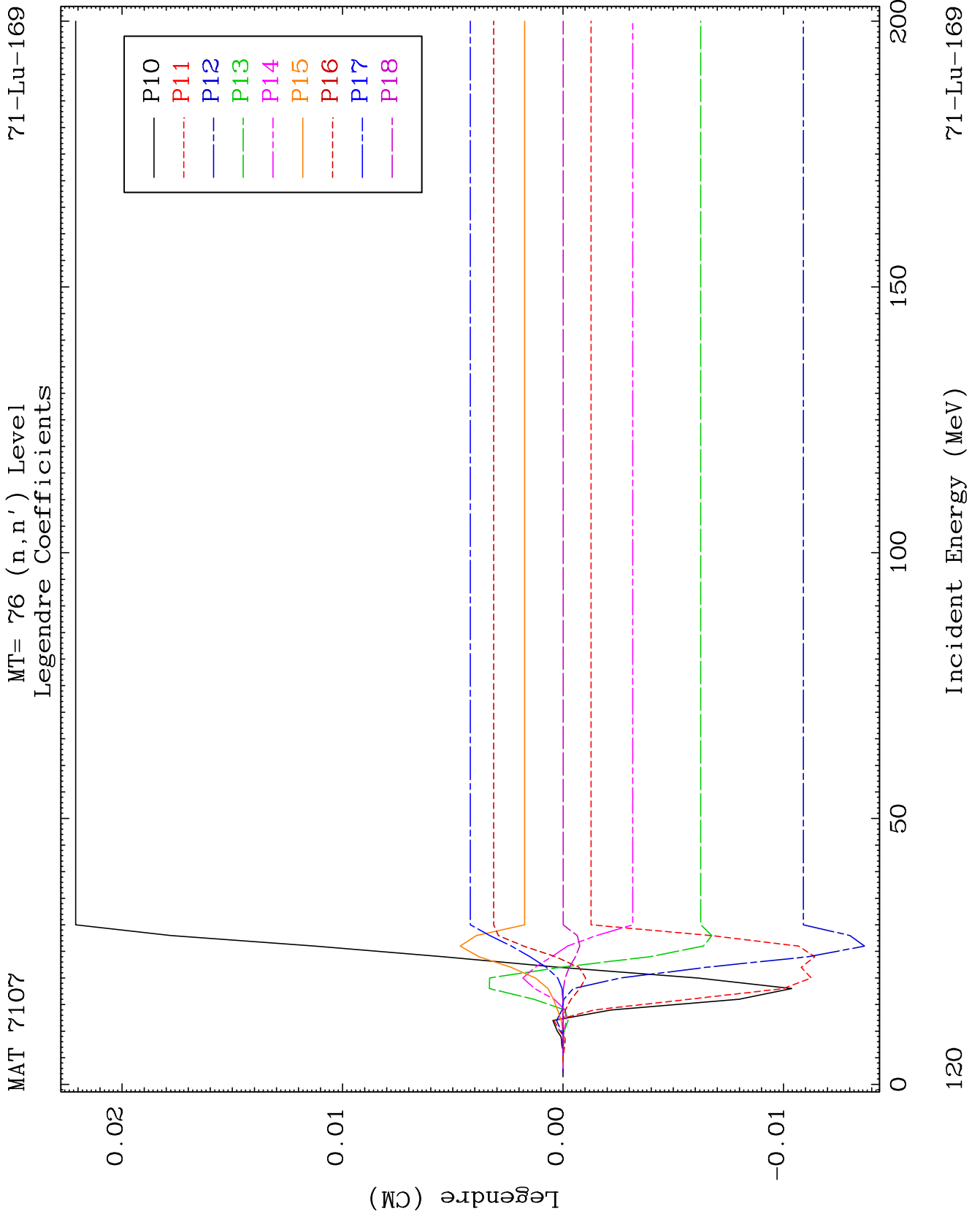


117





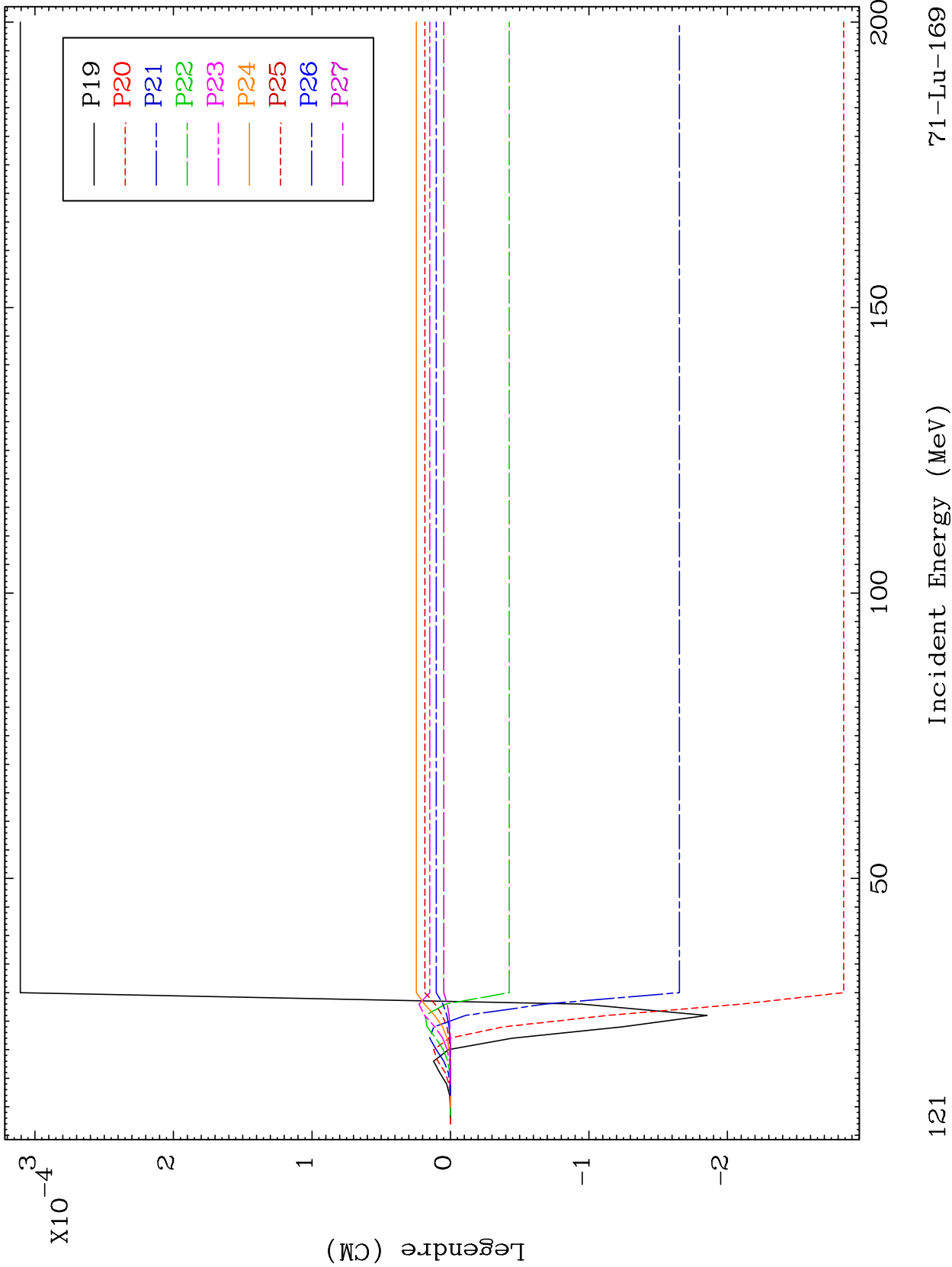




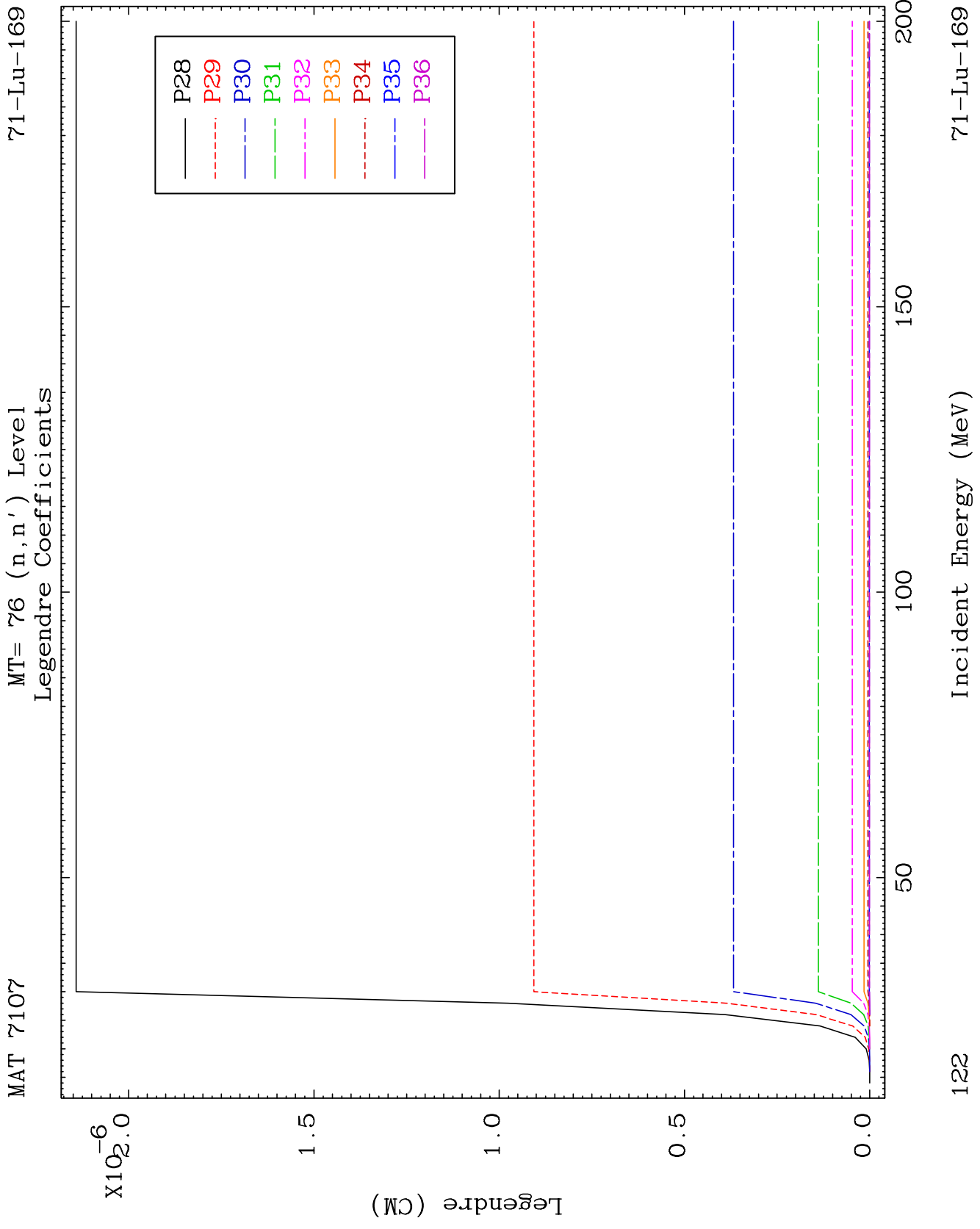
MAT 7107

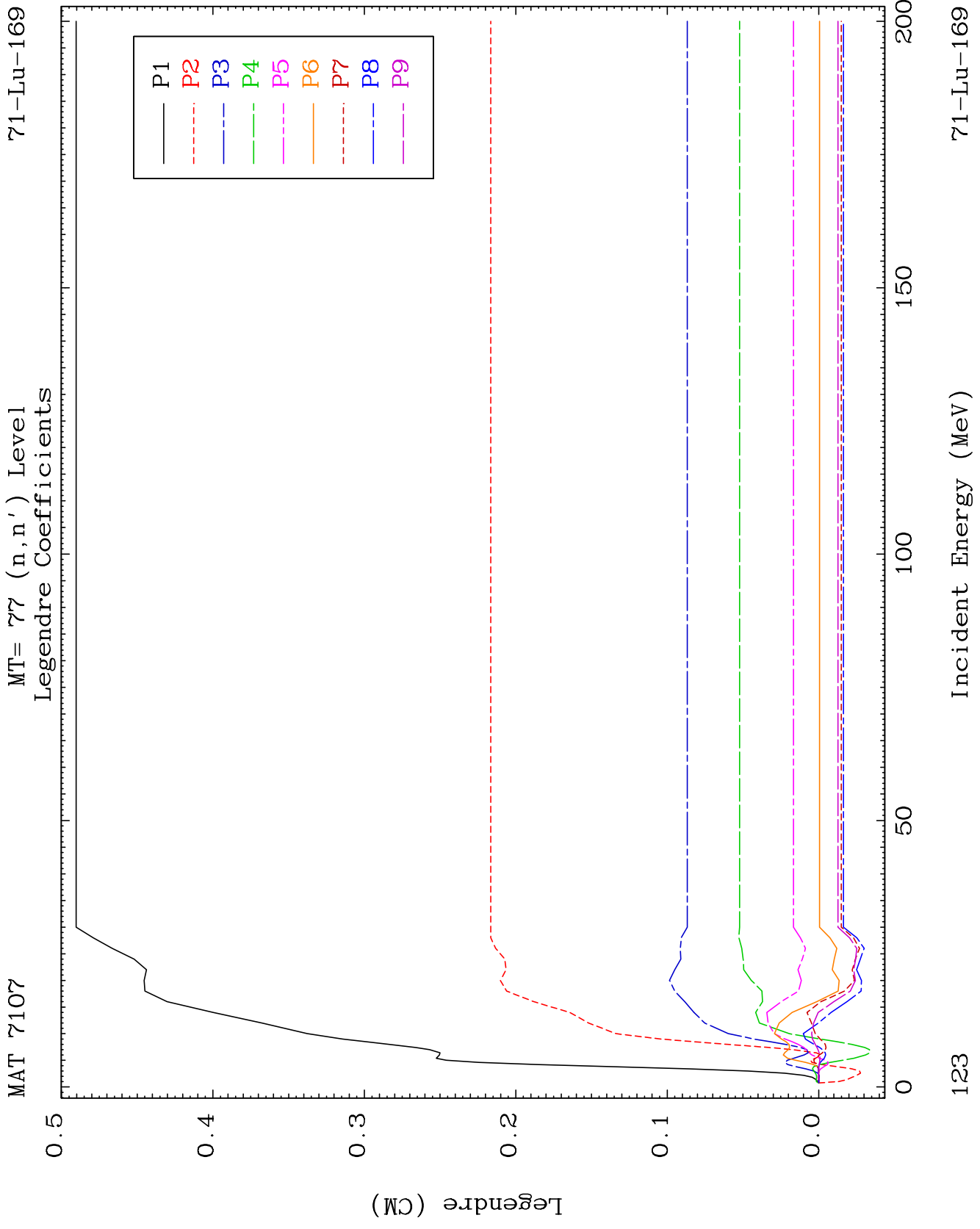
MT= 76 (n,n') Level  
Legendre Coefficients

71-Lu-169



121

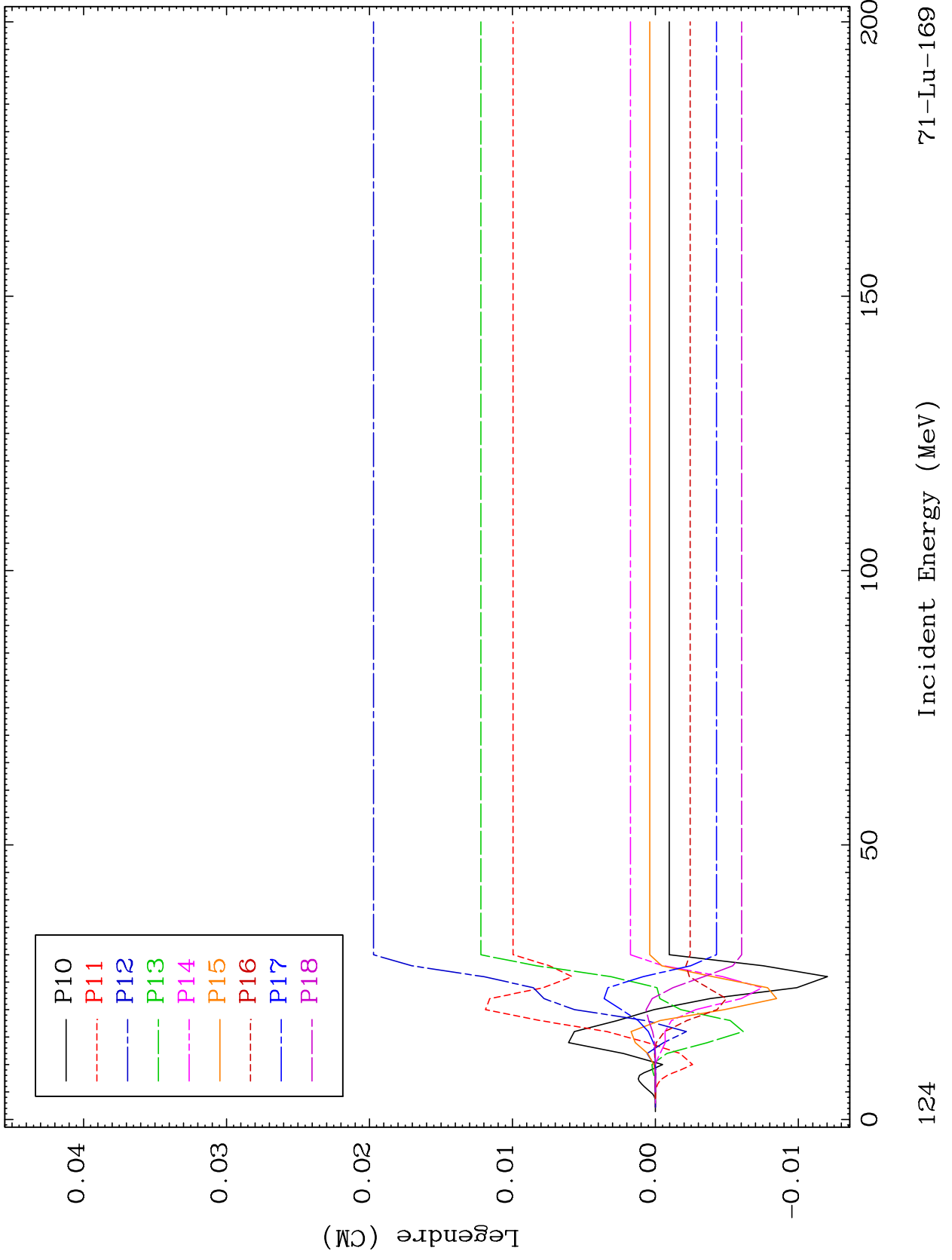




MAT 7107

MT= 77 (n,n') Level  
Legendre Coefficients

71-Lu-169



124

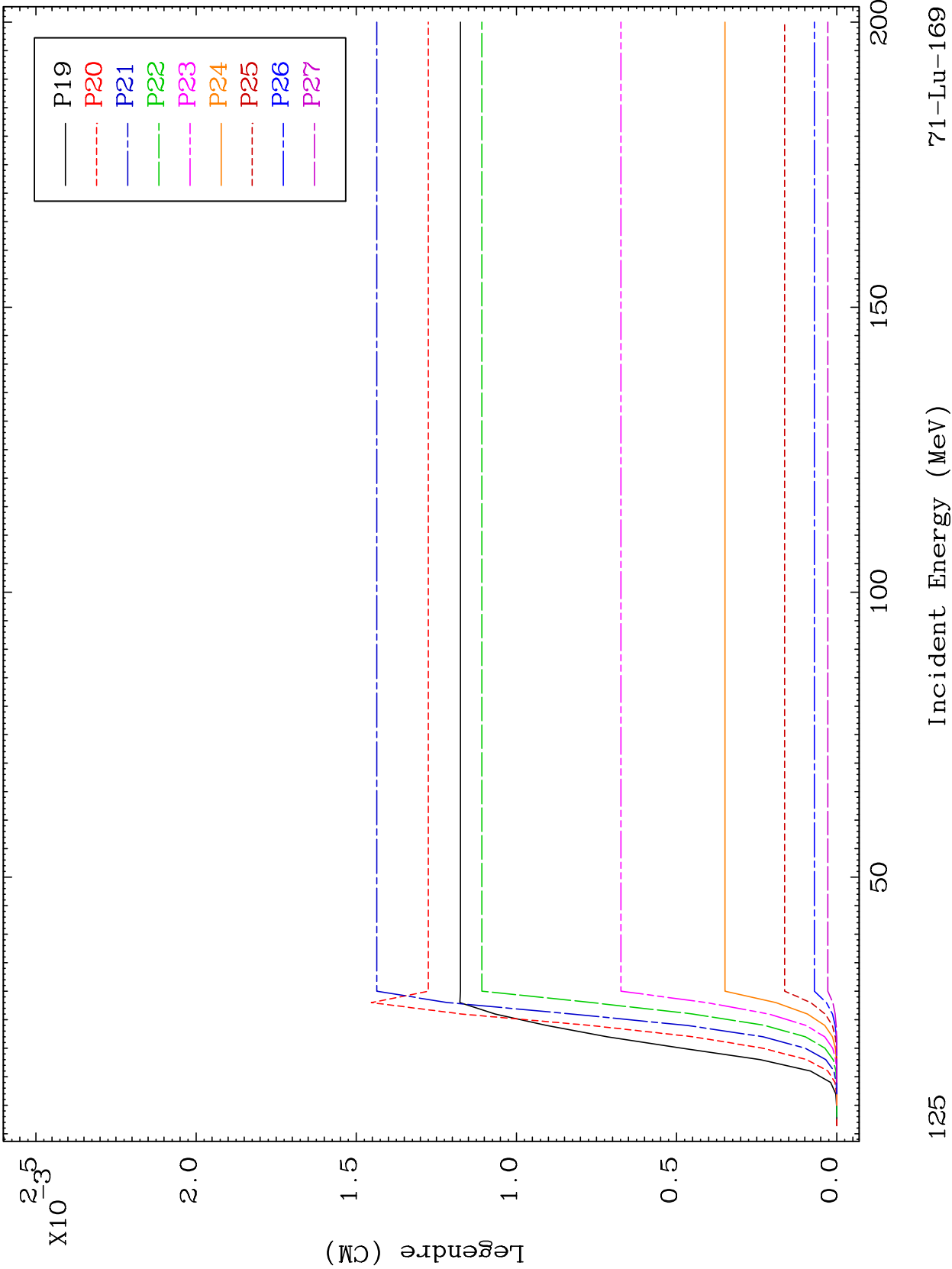
Incident Energy (MeV)

71-Lu-169

MAT 7107

MT= 77 (n,n') Level  
Legendre Coefficients

71-Lu-169



125

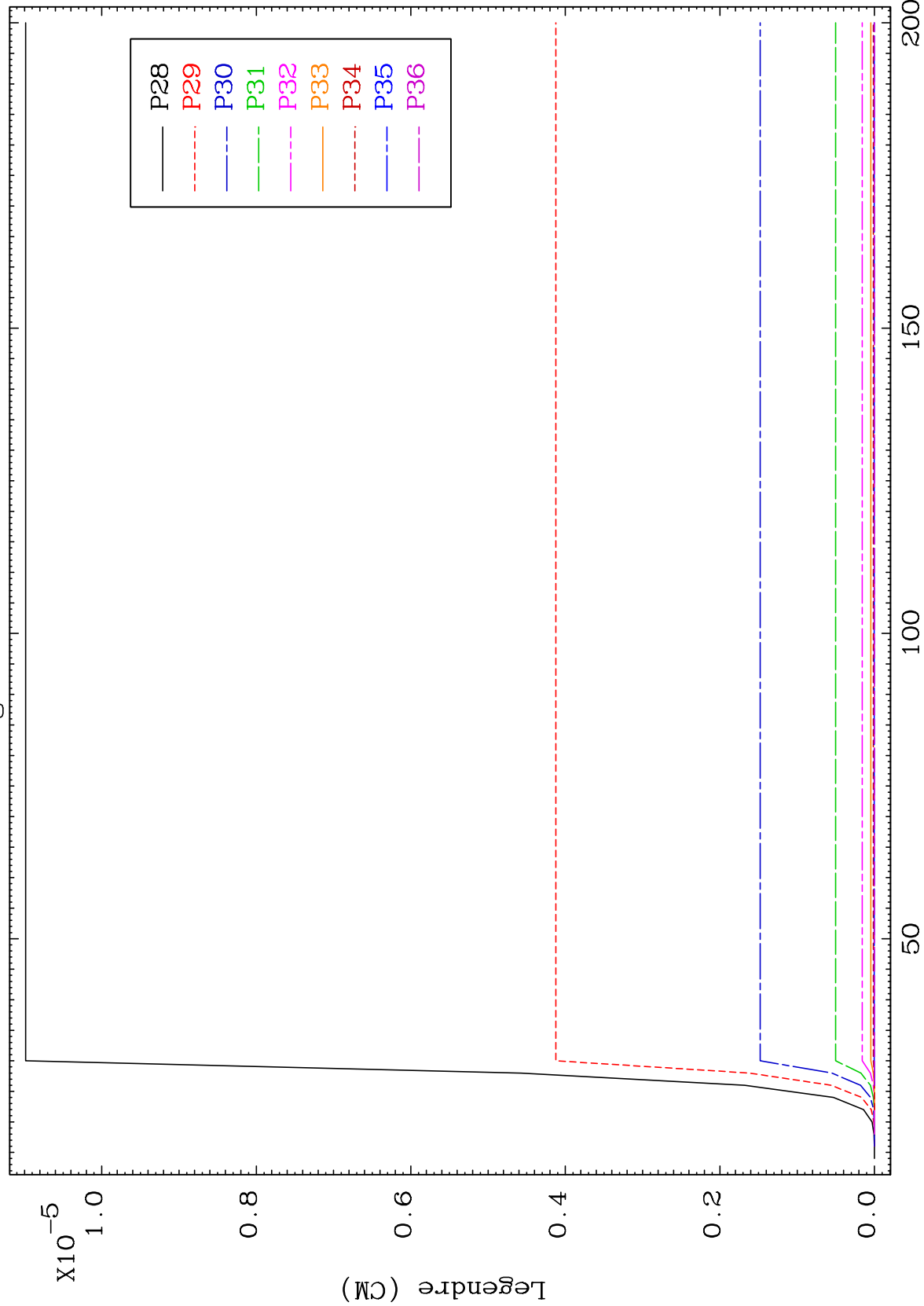
Incident Energy (MeV)

71-Lu-169

MAT 7107

MT= 77 (n,n') Level Legendre Coefficients

71-Lu-169



71-Lu-169

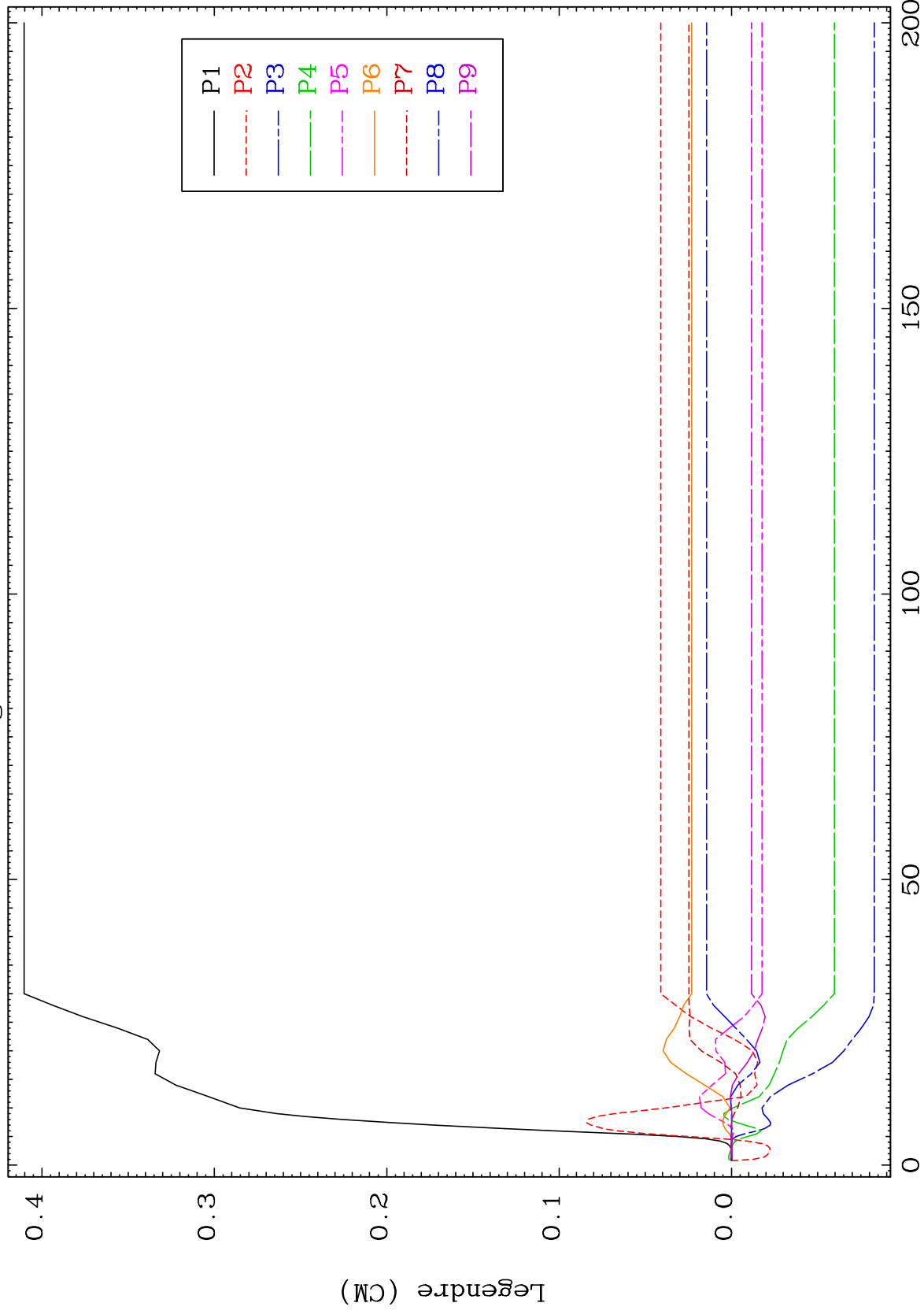
Incident Energy (MeV)

126

MAT 7107

MT= 78 (n,n') Level  
Legendre Coefficients

71-Lu-169



127

Incident Energy (MeV)

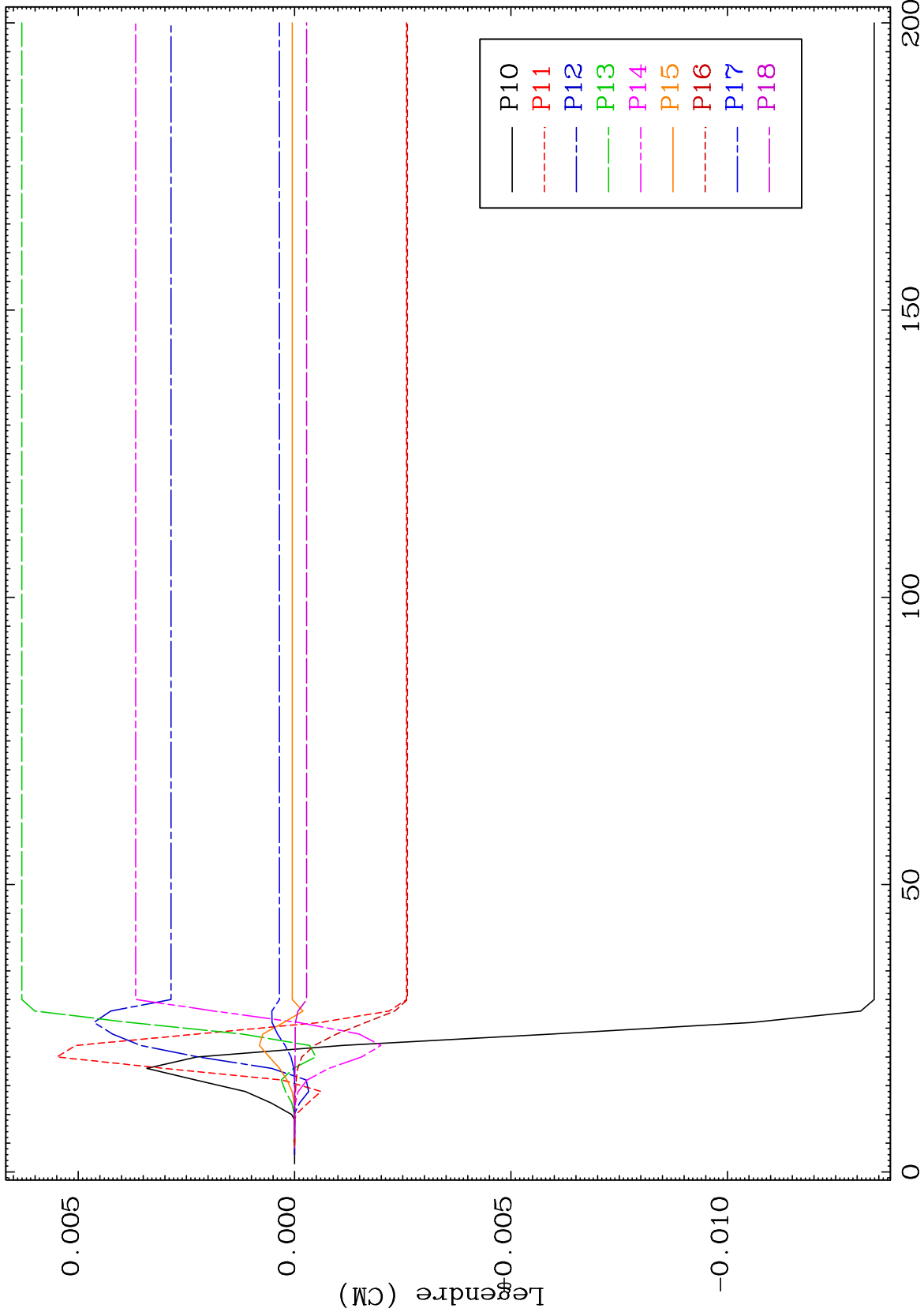
71-Lu-169



MAT 7107

MT= 78 (n,n') Level  
Legendre Coefficients

71-Lu-169



128

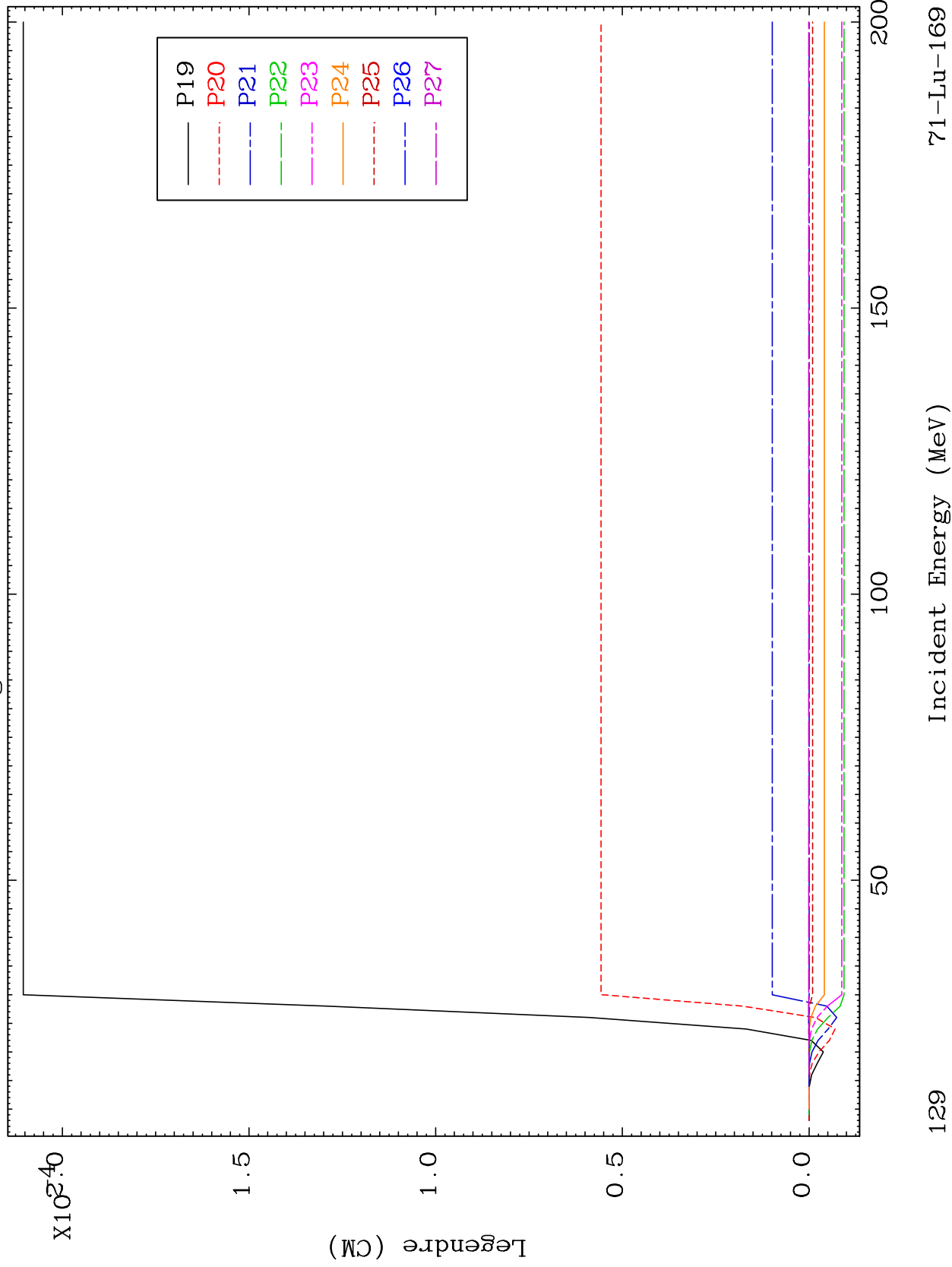
Incident Energy (MeV)

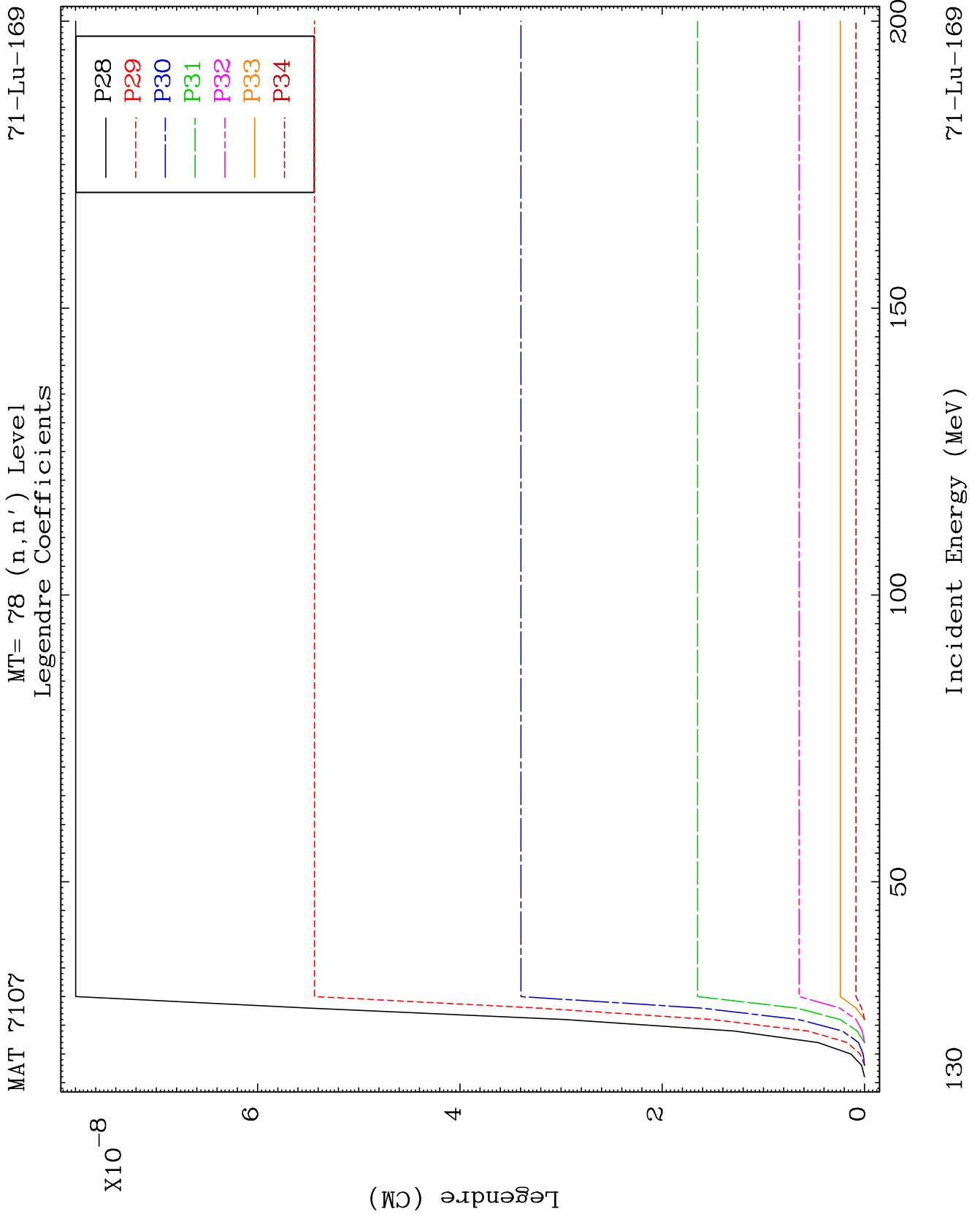
71-Lu-169

MAT 7107

MT= 78 (n,n') Level  
Legendre Coefficients

71-Lu-169

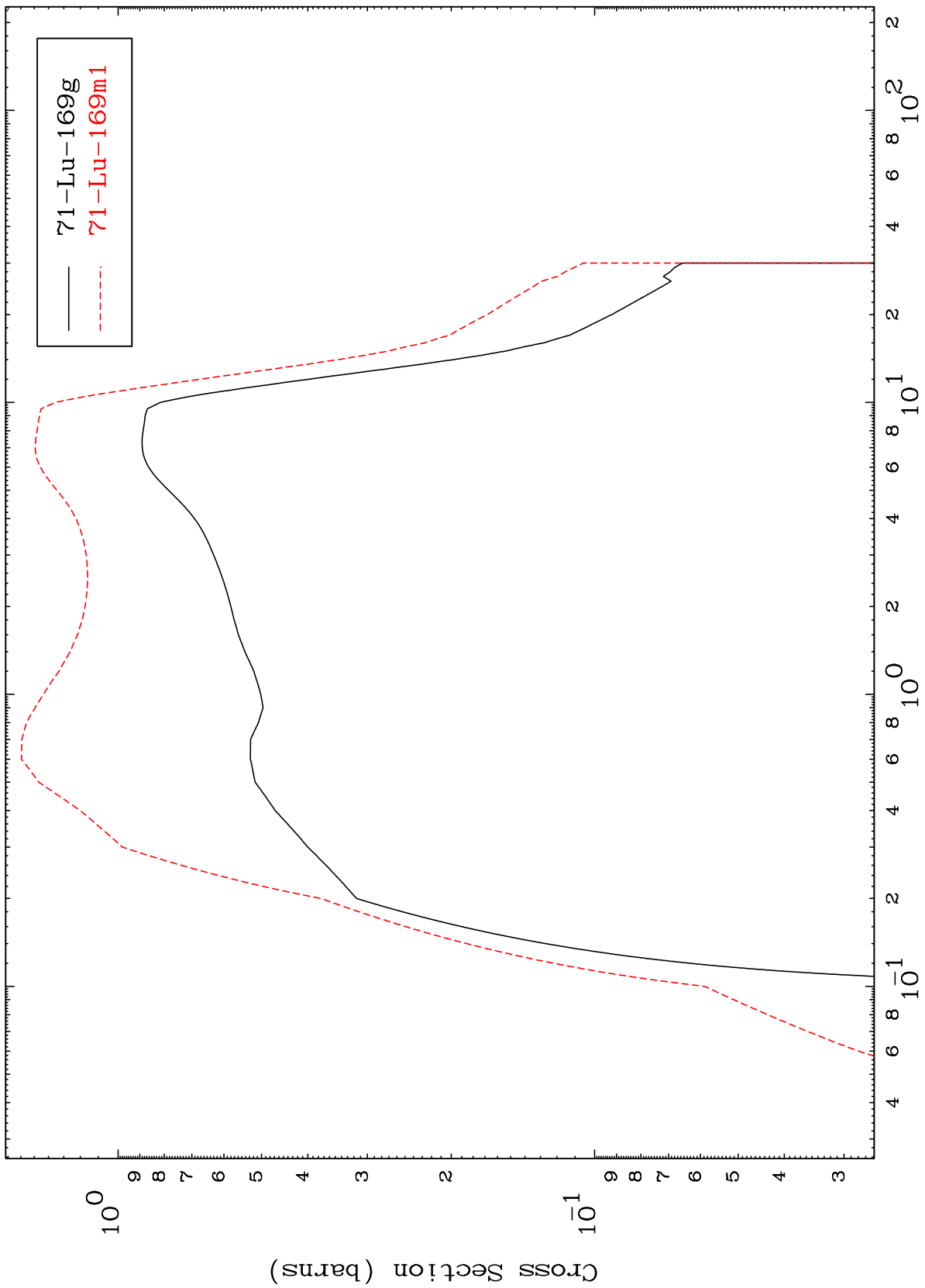




MAT 7107

71-Lu-169

Inelastic  
Radionuclide Production Cross Section



131

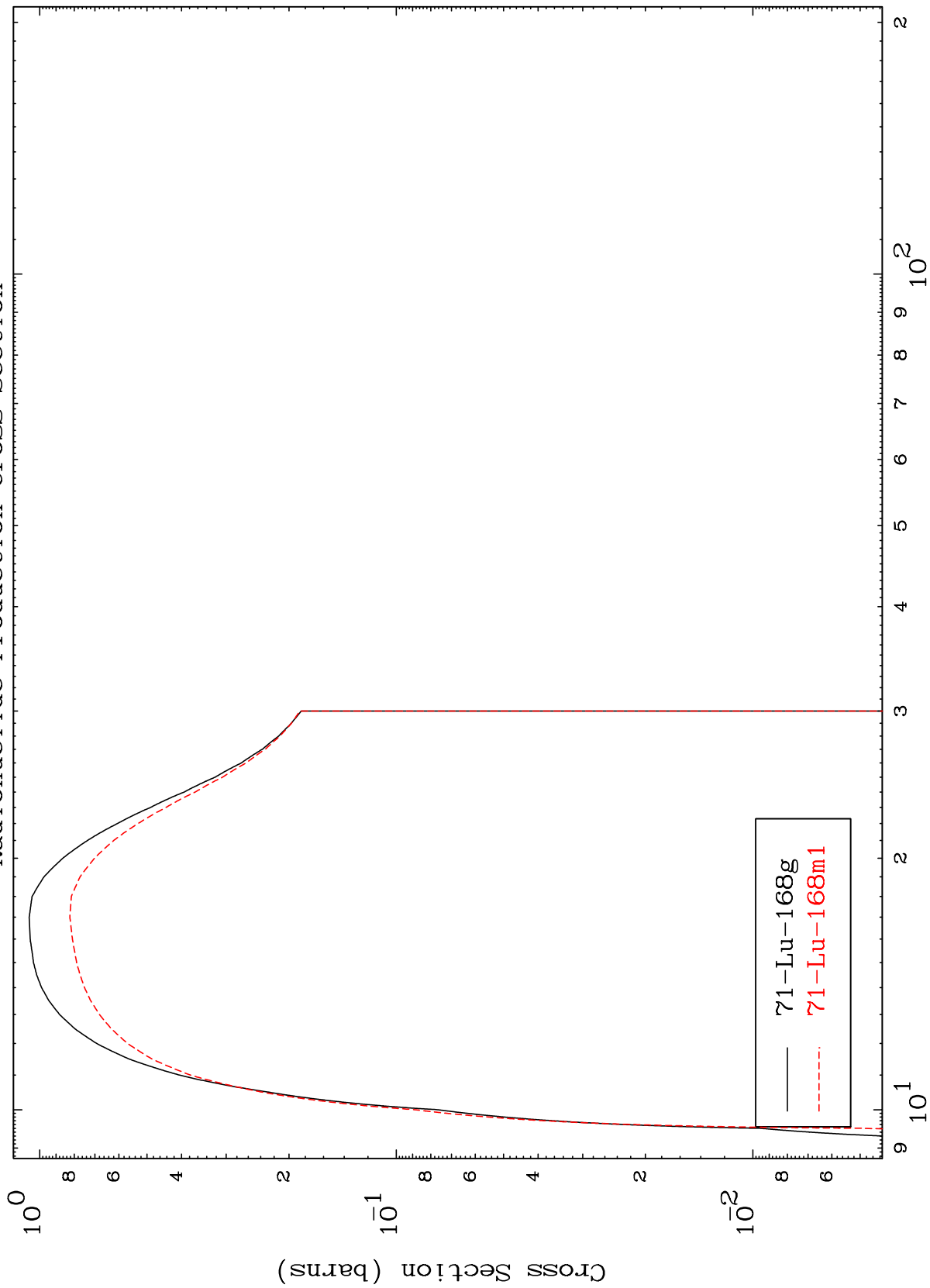
Incident Energy (MeV)

71-Lu-169

MAT 7107

71-Lu-169

Radionuclide Production Cross Section  
(n,2n)

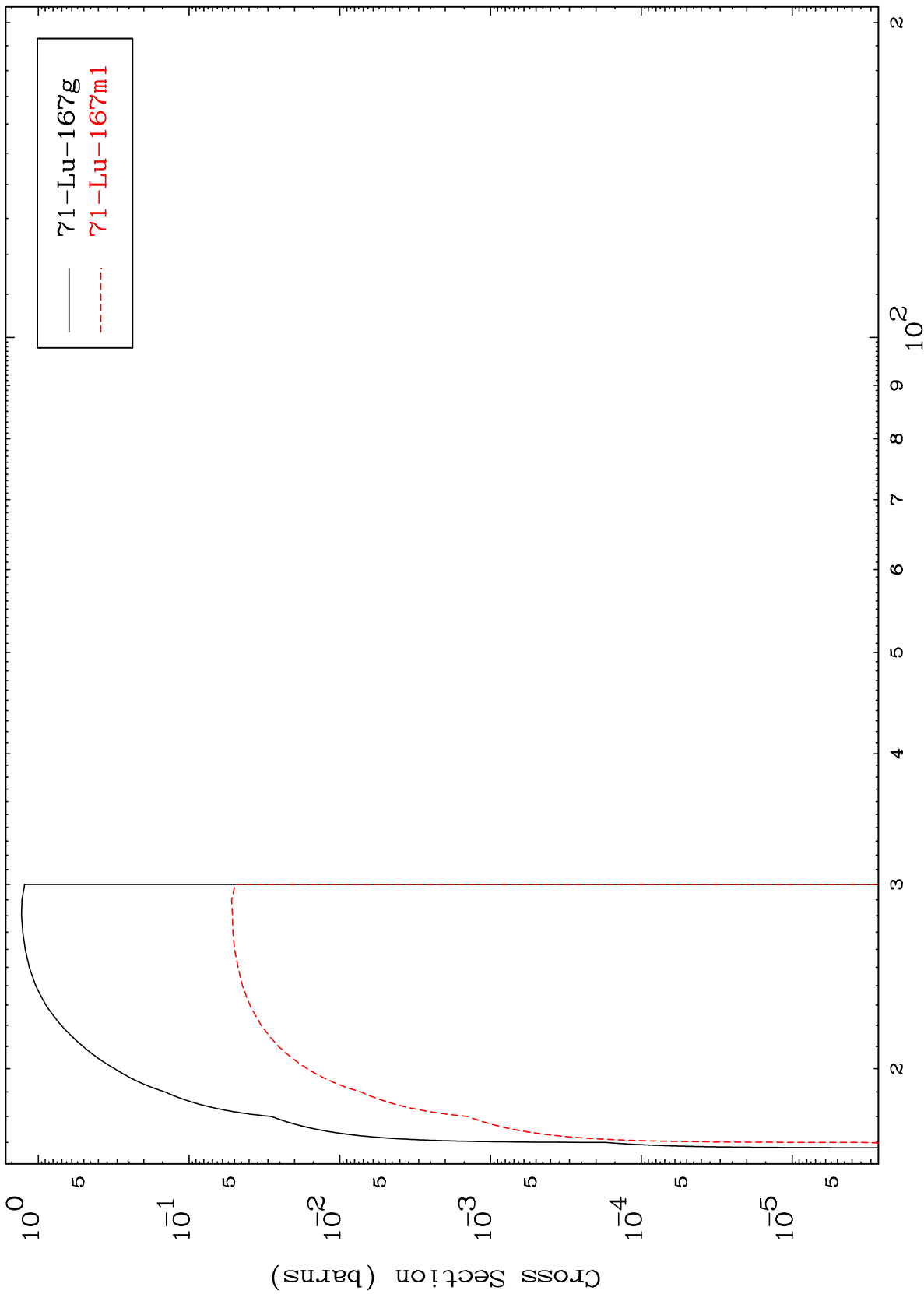


71-Lu-169

Incident Energy (MeV)

132

(n,3n)  
Radionuclide Production Cross Section

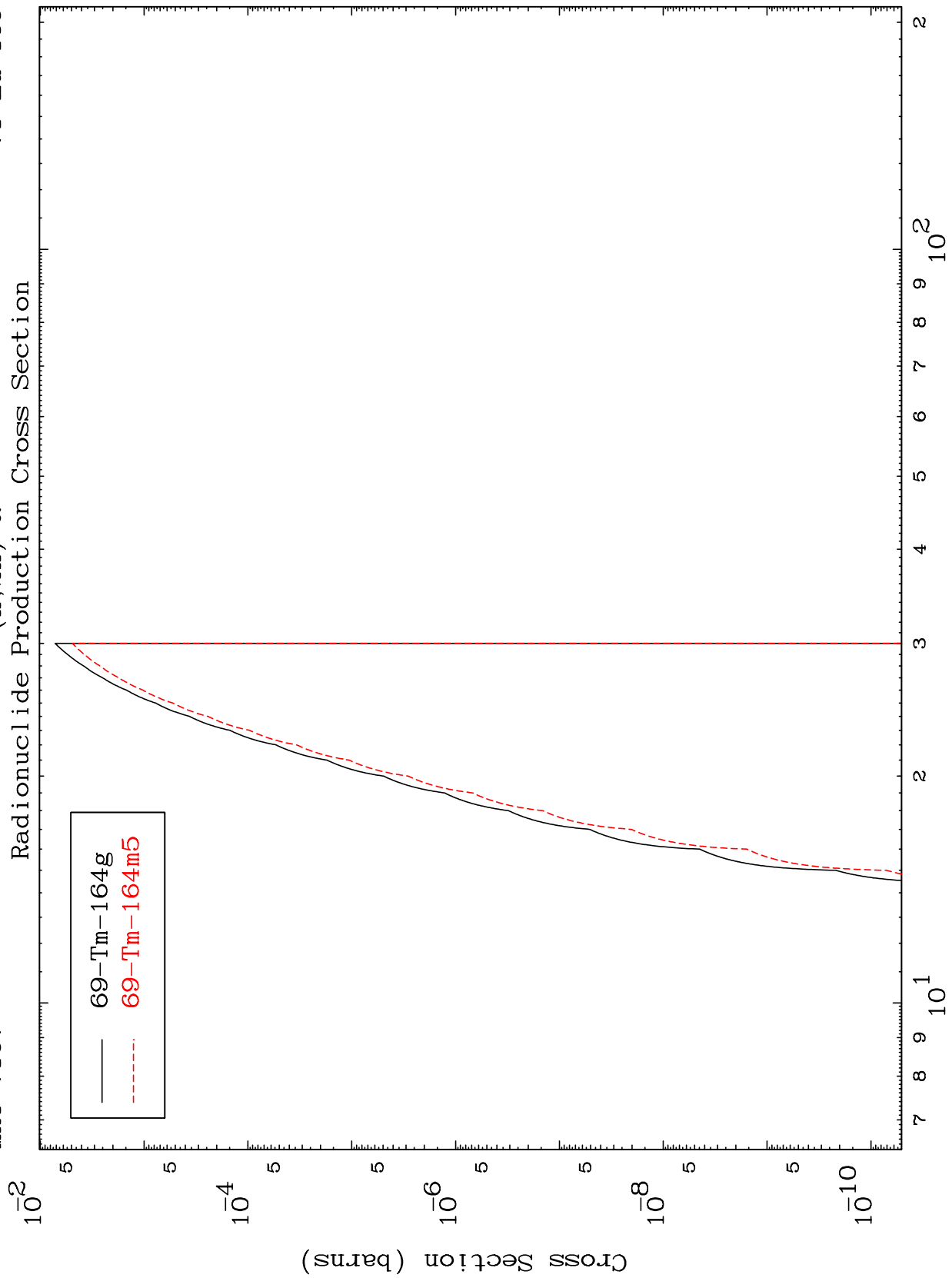


MAT 7107

$(n,2n) \alpha$

71-Lu-169

Radionuclide Production Cross Section



69-Tm-164g  
69-Tm-164m5

134

Incident Energy (MeV)

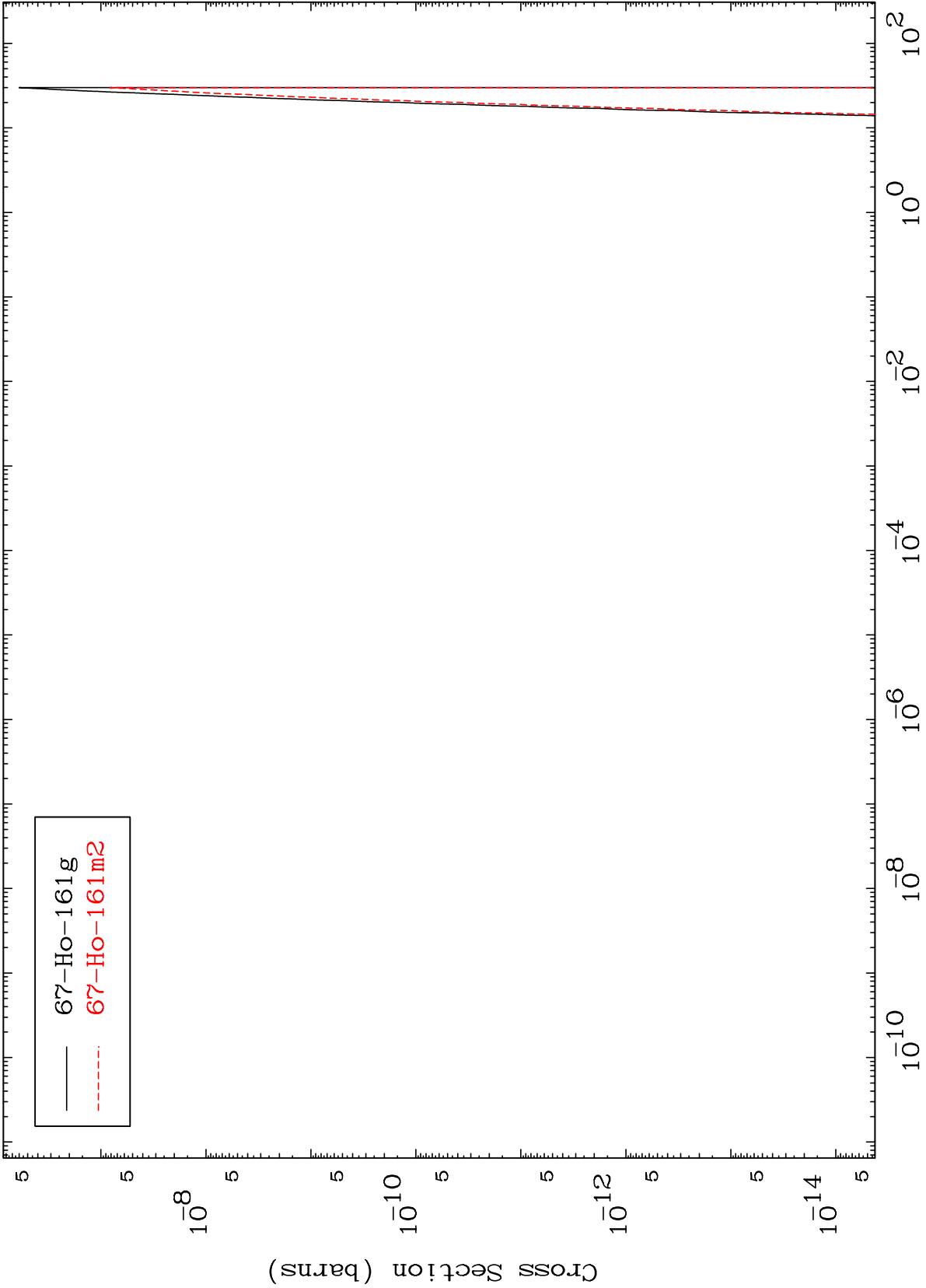
71-Lu-169

MAT 7107

(n,n') 2α

71-Lu-169

Radionuclide Production Cross Section



135

Incident Energy (MeV)

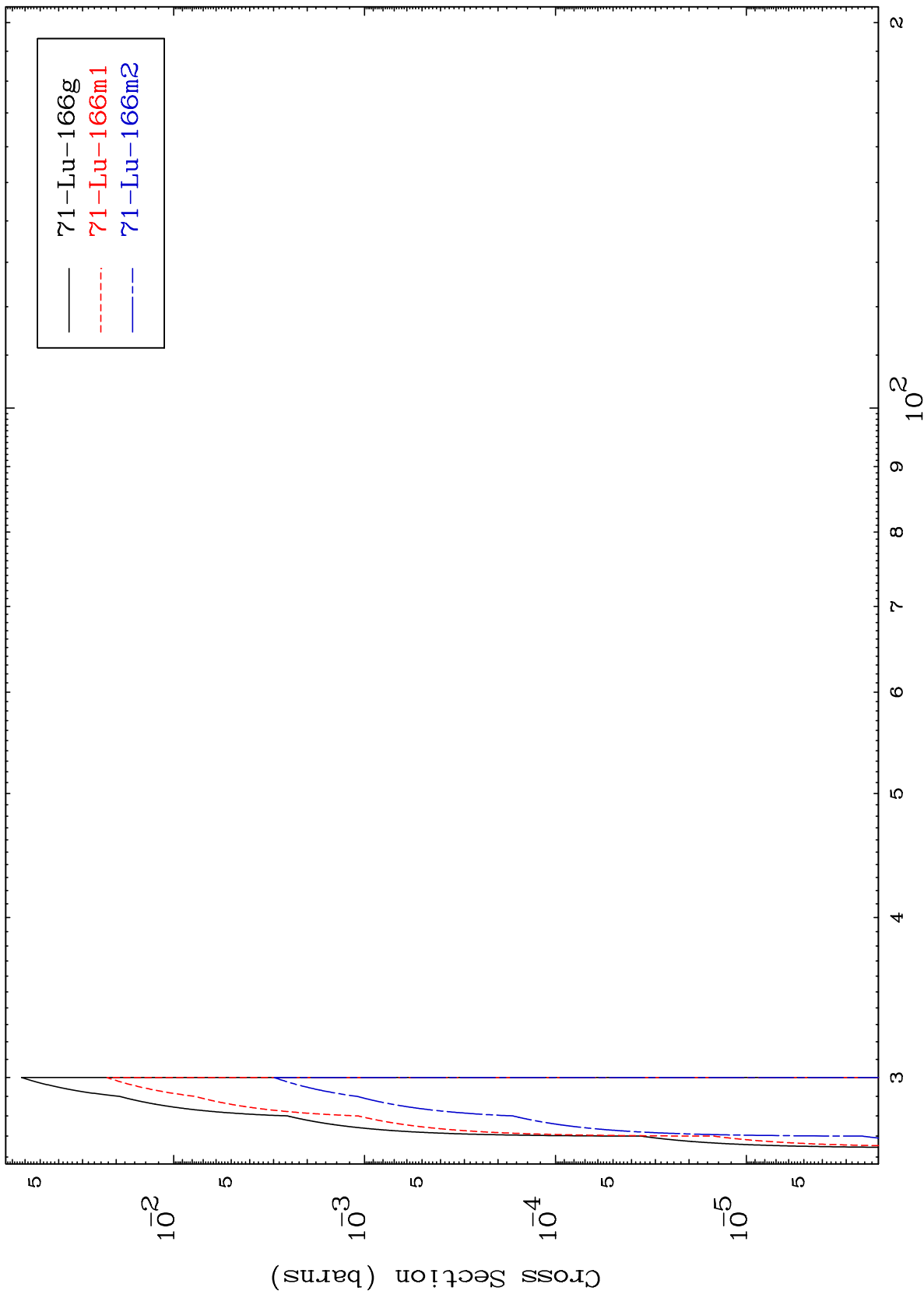
71-Lu-169



MAT 7107

71-Lu-169

(n,4n)  
Radionuclide Production Cross Section



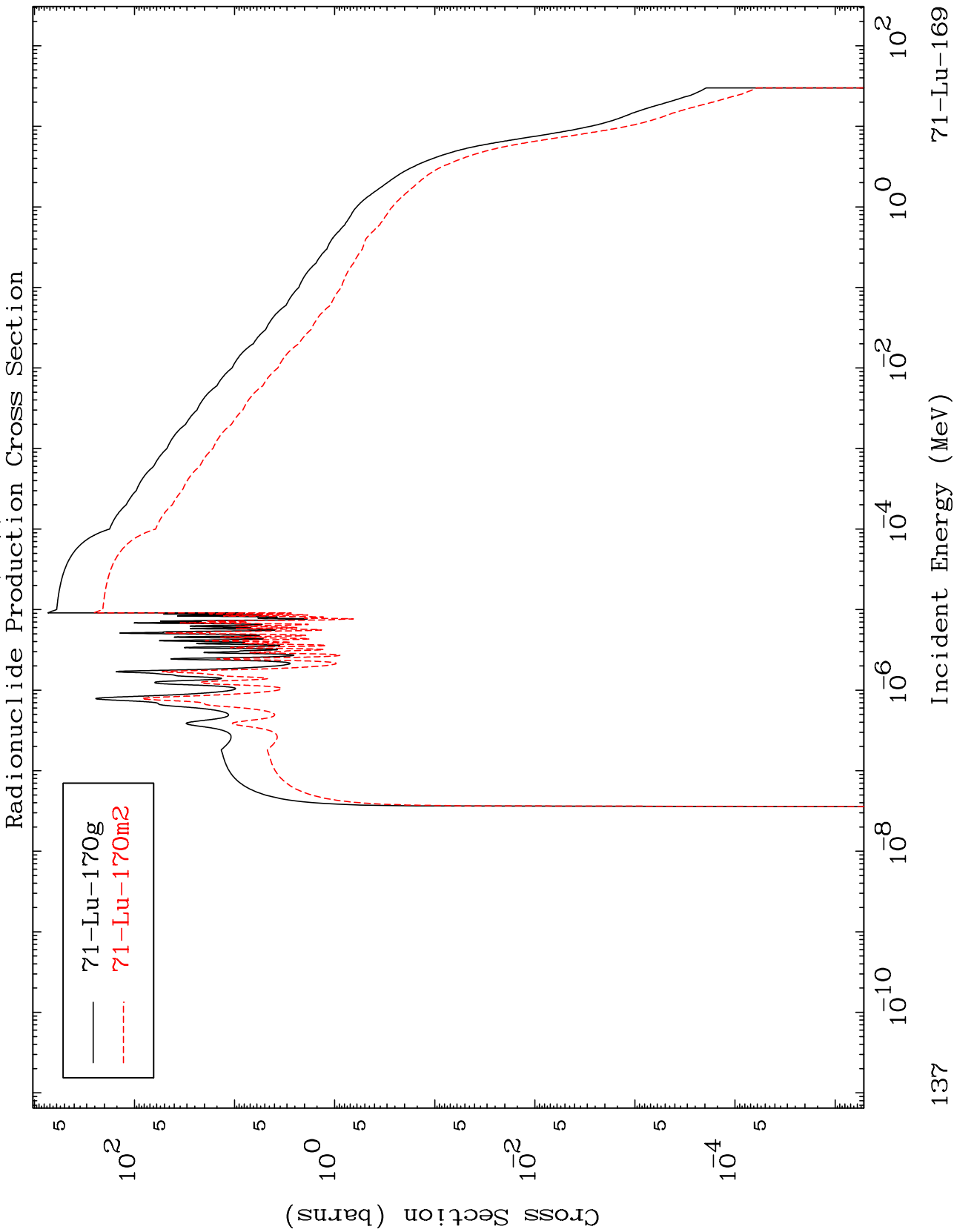
136

Incident Energy (MeV)

71-Lu-169

MAT 7107

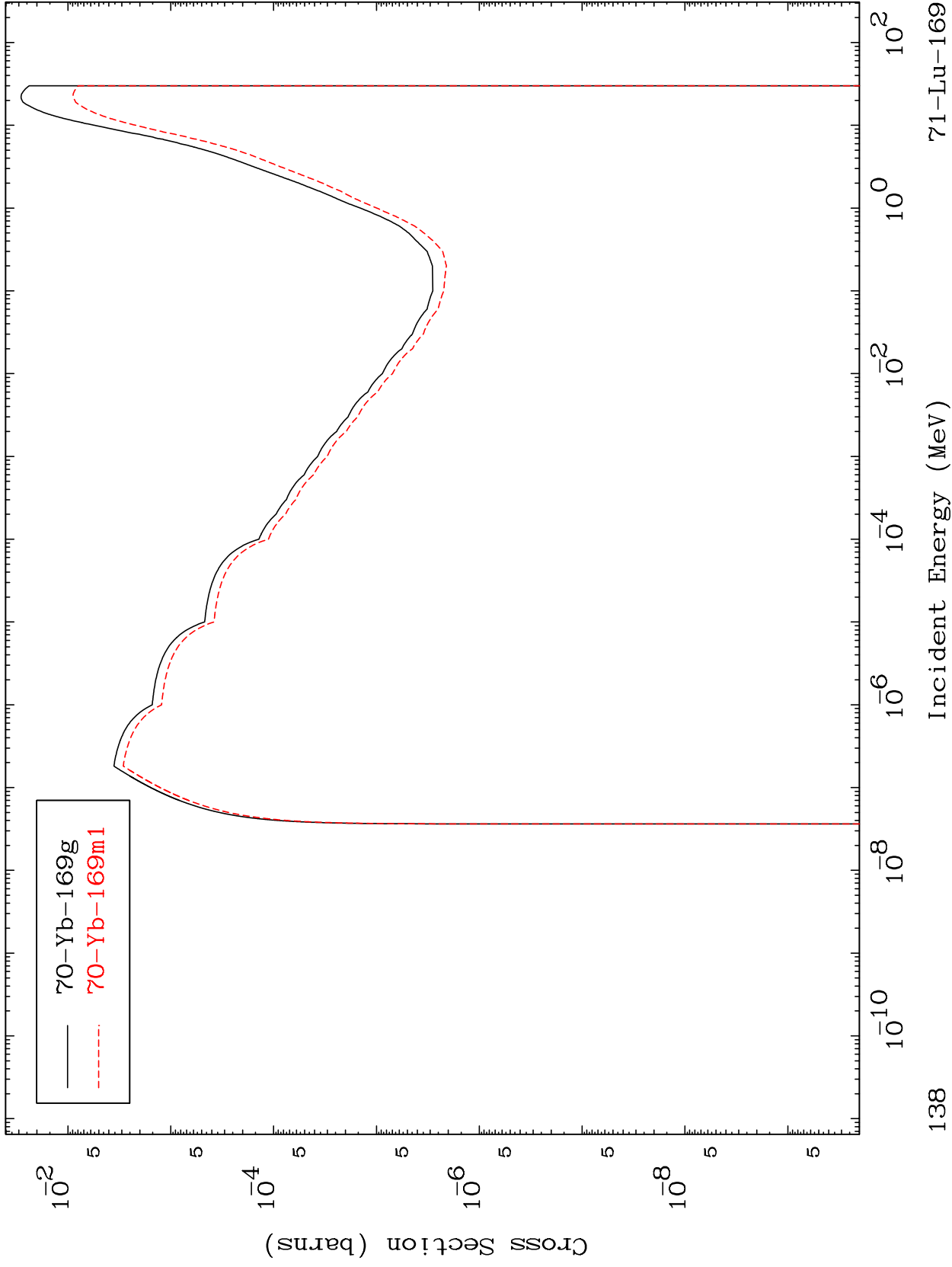
$^{71}\text{Lu-169}$



MAT 7107

<sup>71</sup>Lu-169

(n,p)  
Radionuclide Production Cross Section

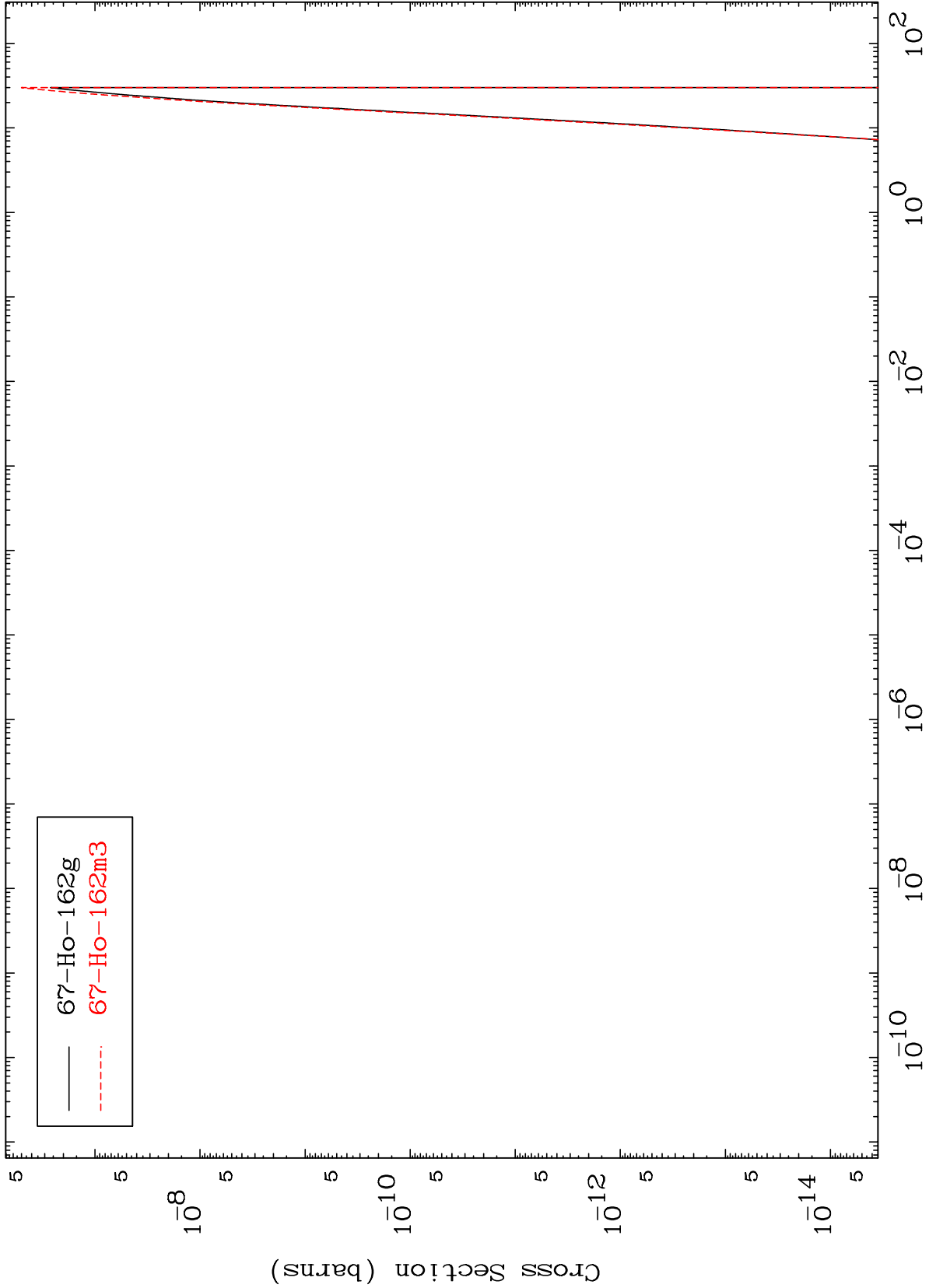


MAT 7107

(n,2α)

71-Lu-169

Radionuclide Production Cross Section



67-Ho-162g  
67-Ho-162m3

139

Incident Energy (MeV)

71-Lu-169