

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

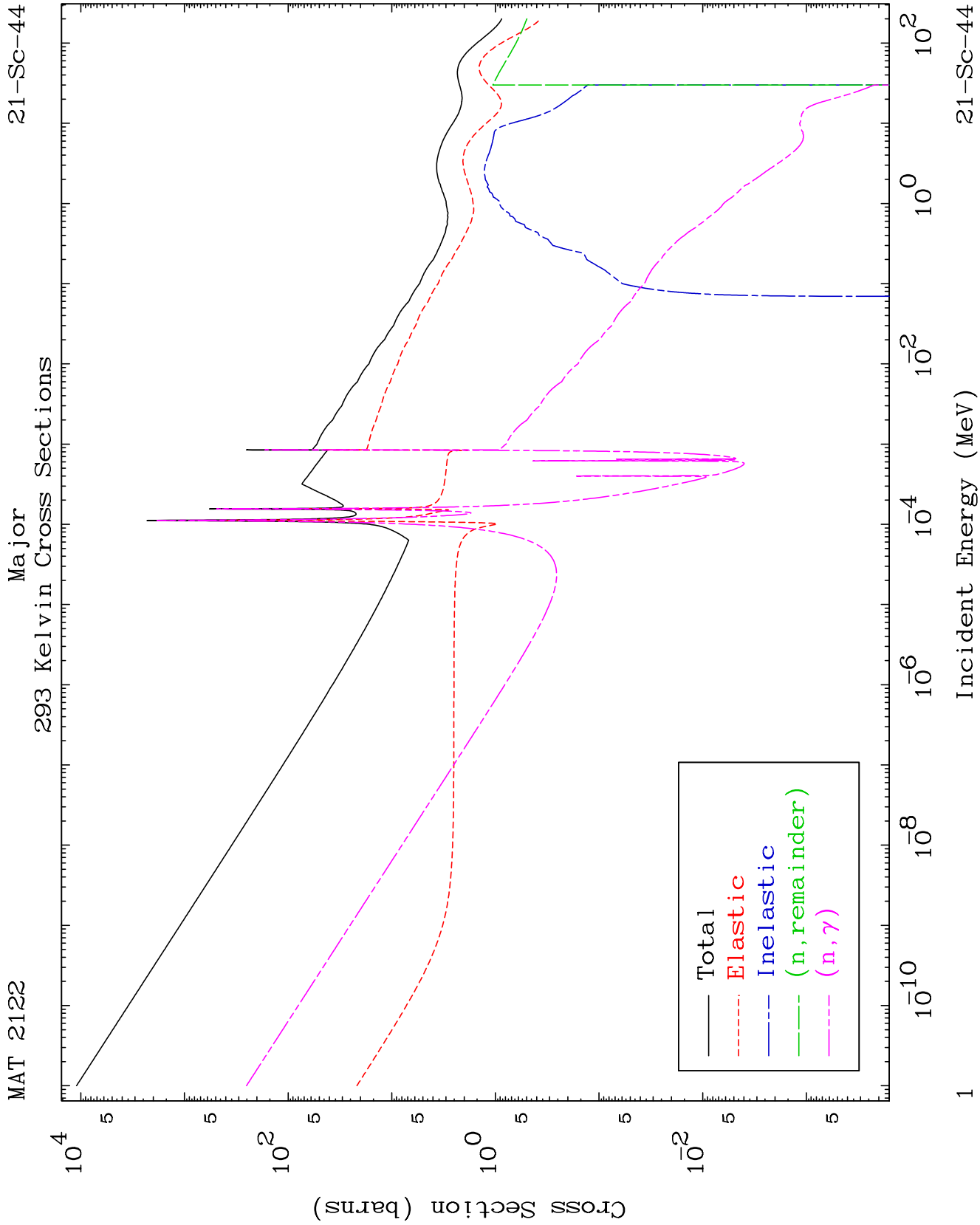
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

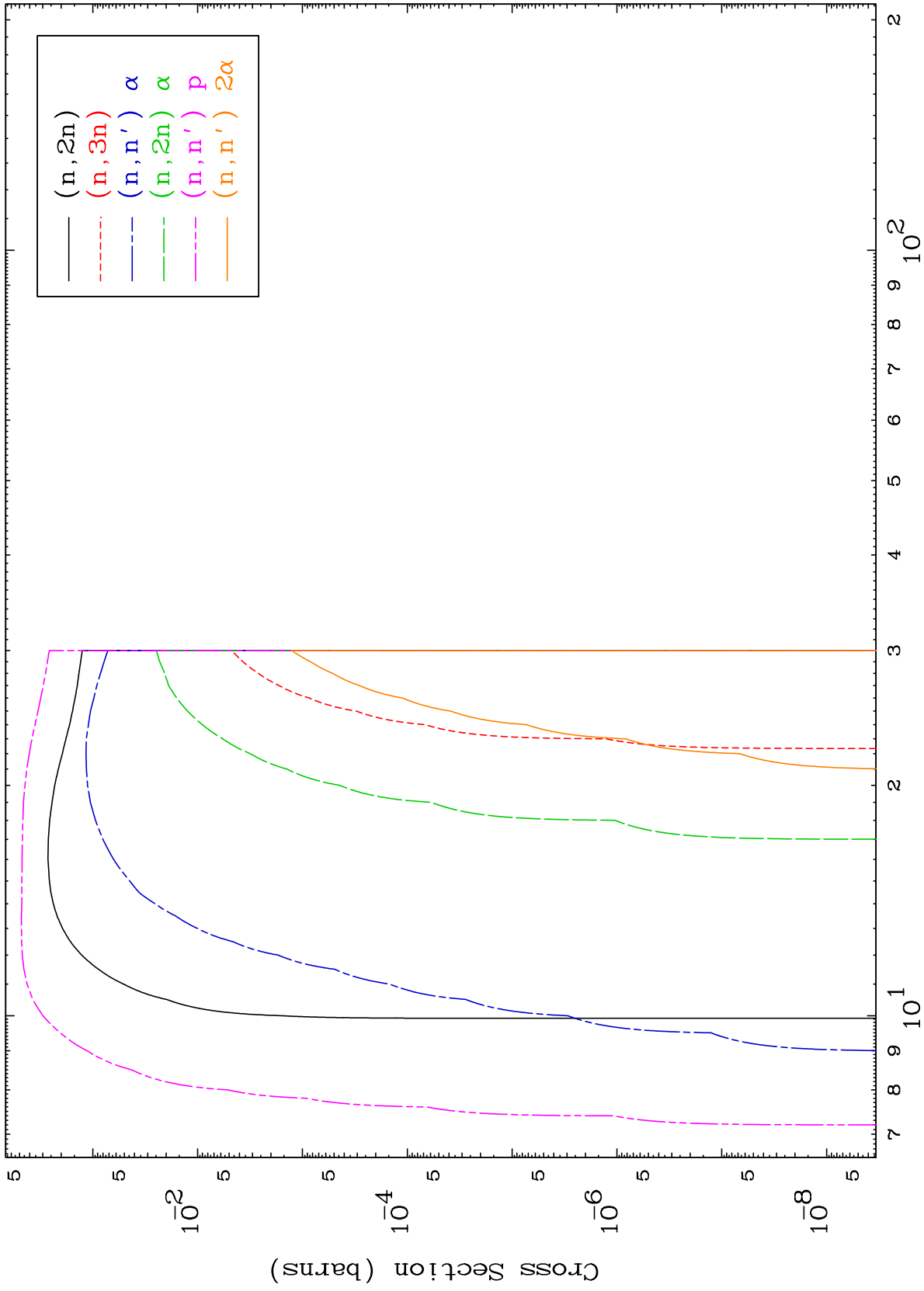
Press Mouse Button to Start



MAT 2122

Neutron Production  
293 Kelvin Cross Sections

21-Sc-44



2

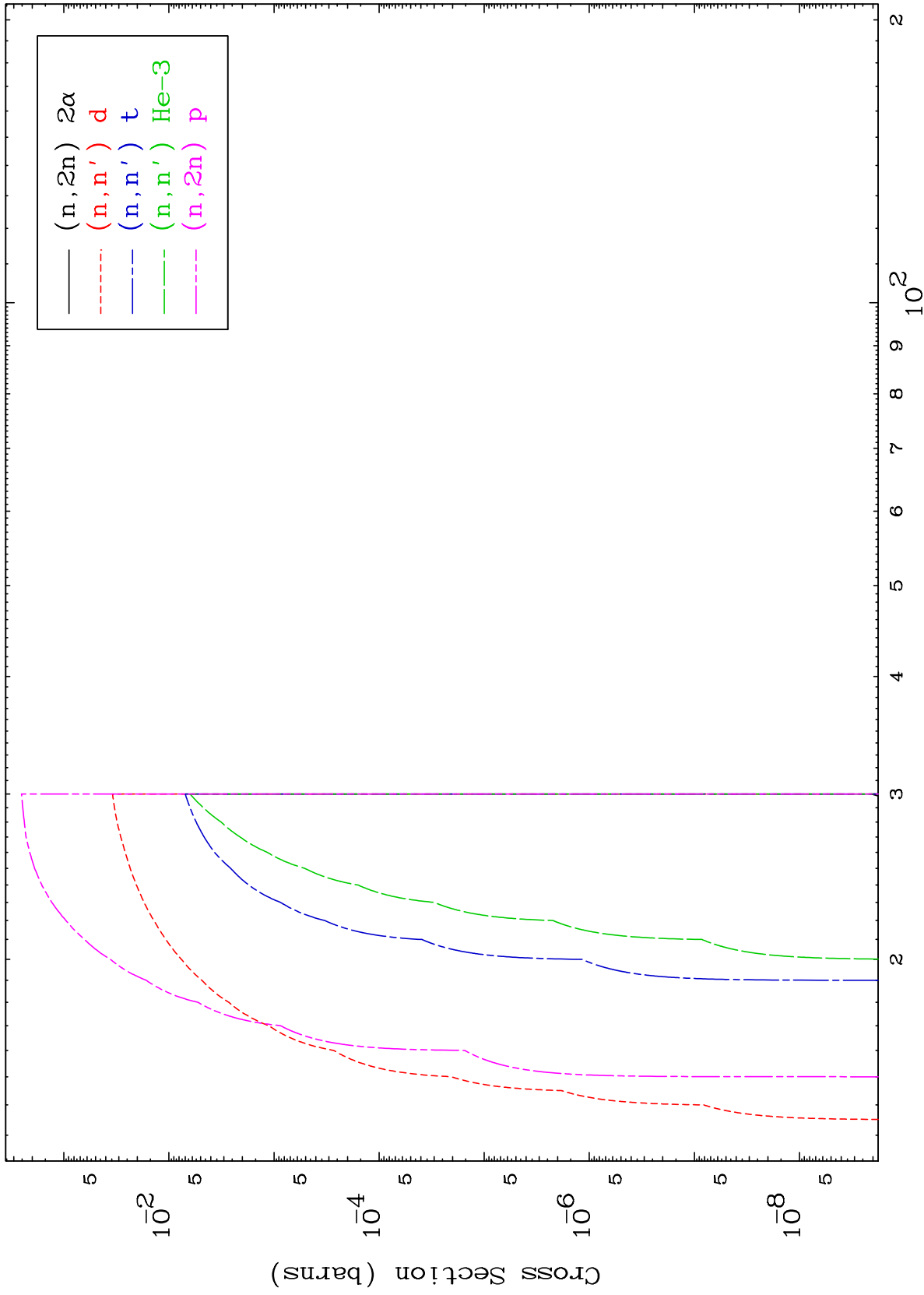
Incident Energy (MeV)

21-Sc-44

MAT 2122

Neutron Production  
293 Kelvin Cross Sections

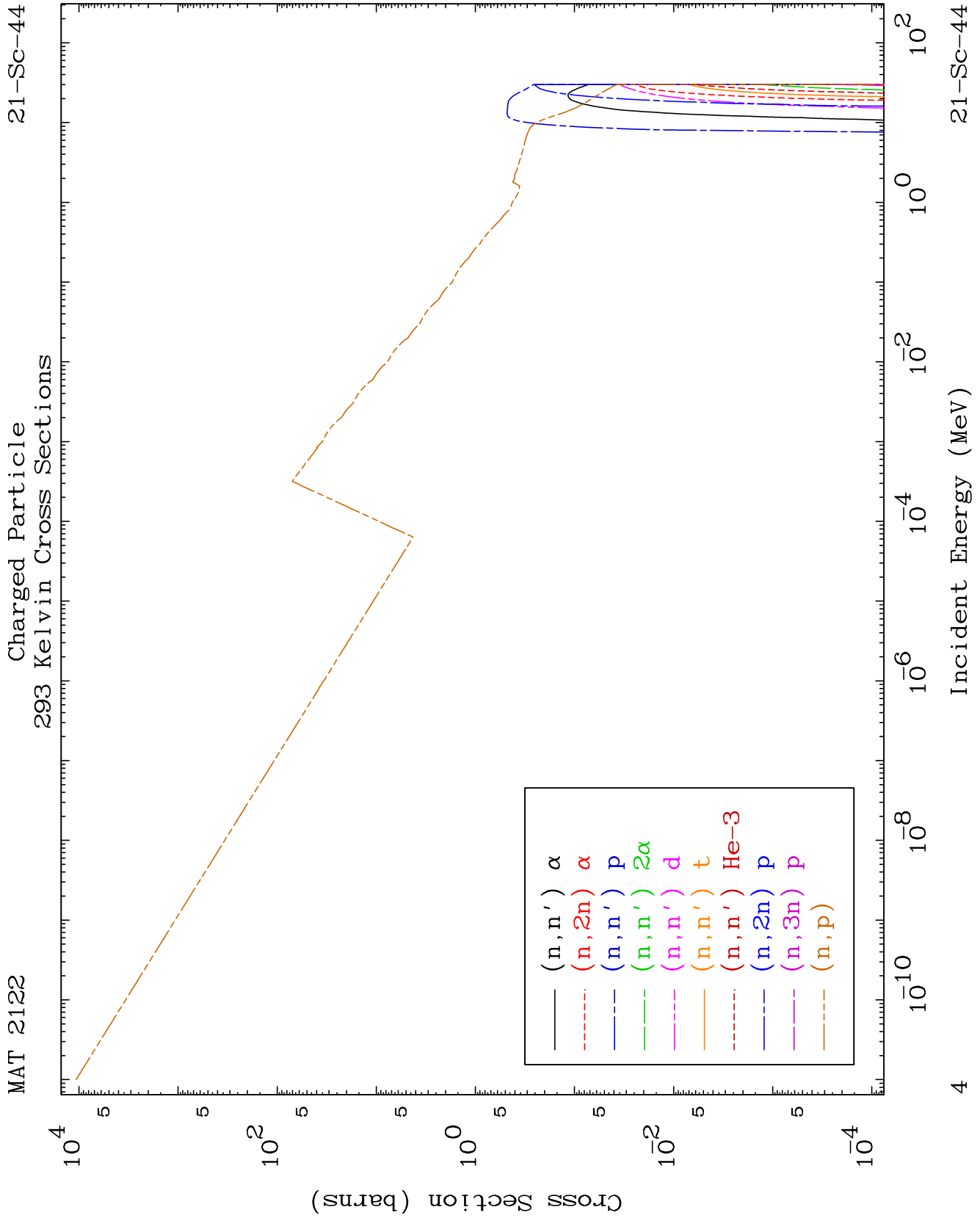
21-Sc-44



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Incident Energy (MeV)

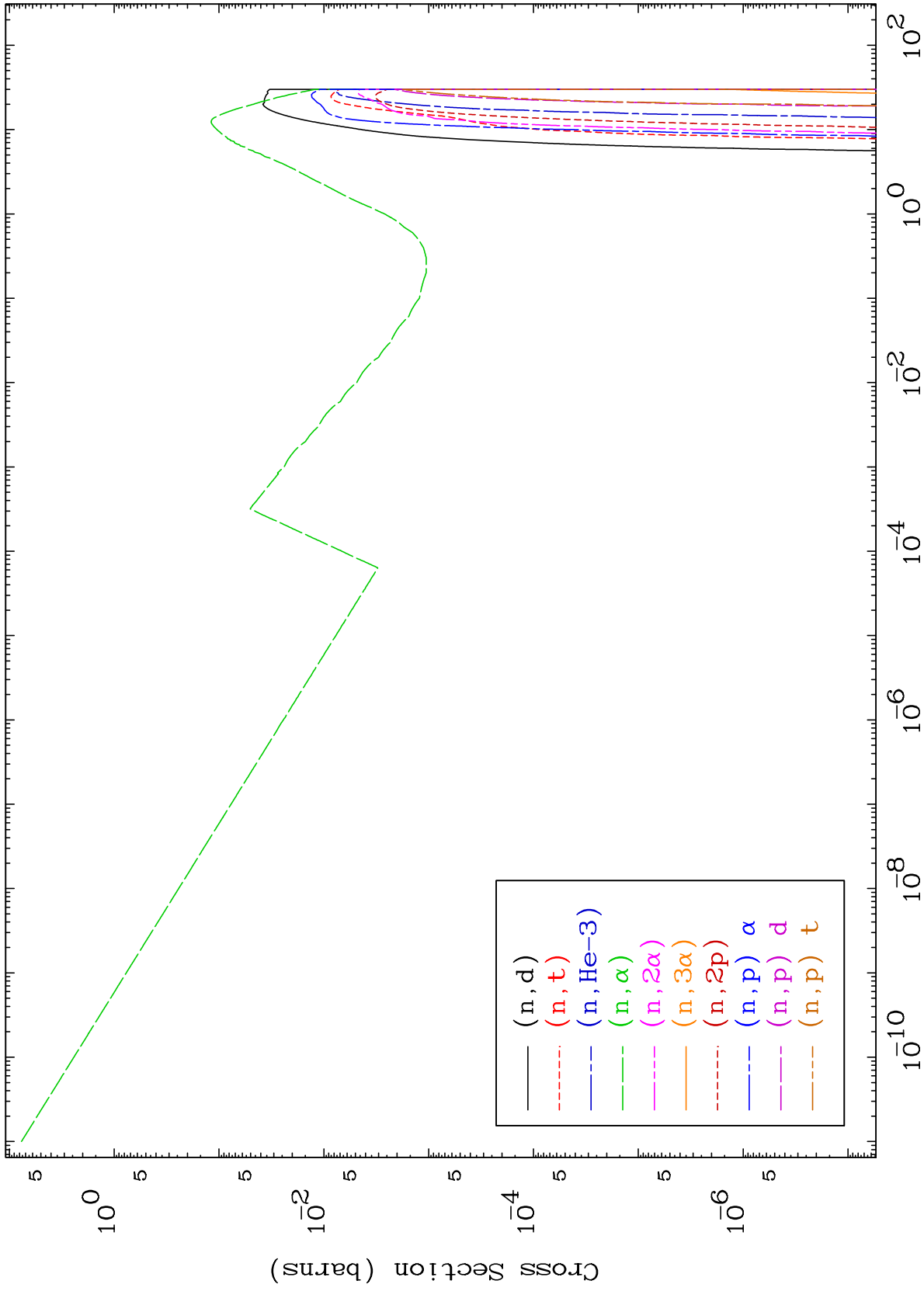
21-Sc-44



MAT 2122

Charged Particle  
293 Kelvin Cross Sections

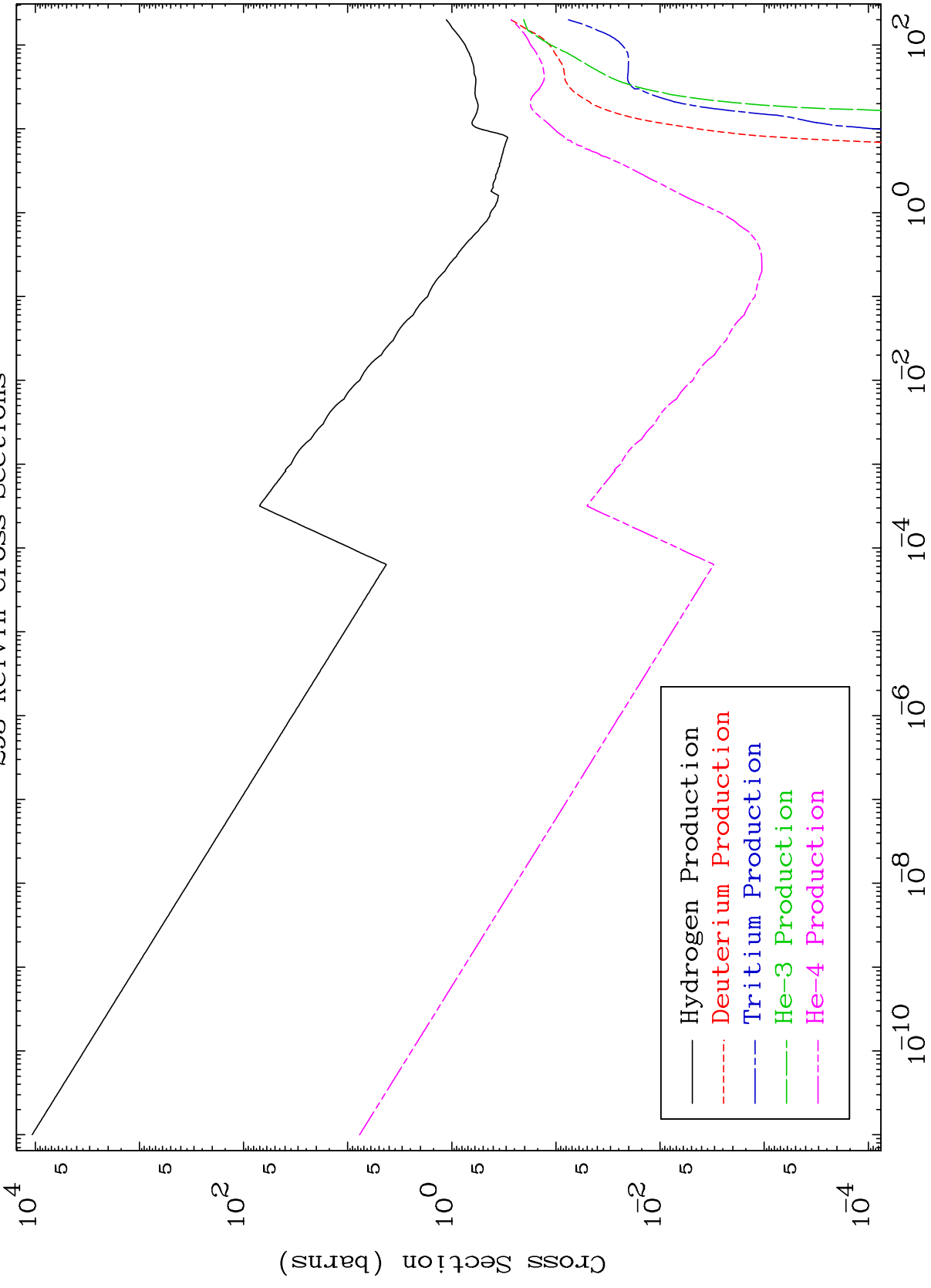
21-Sc-44



MAT 2122

Particle Production  
293 Kelvin Cross Sections

21-Sc-44

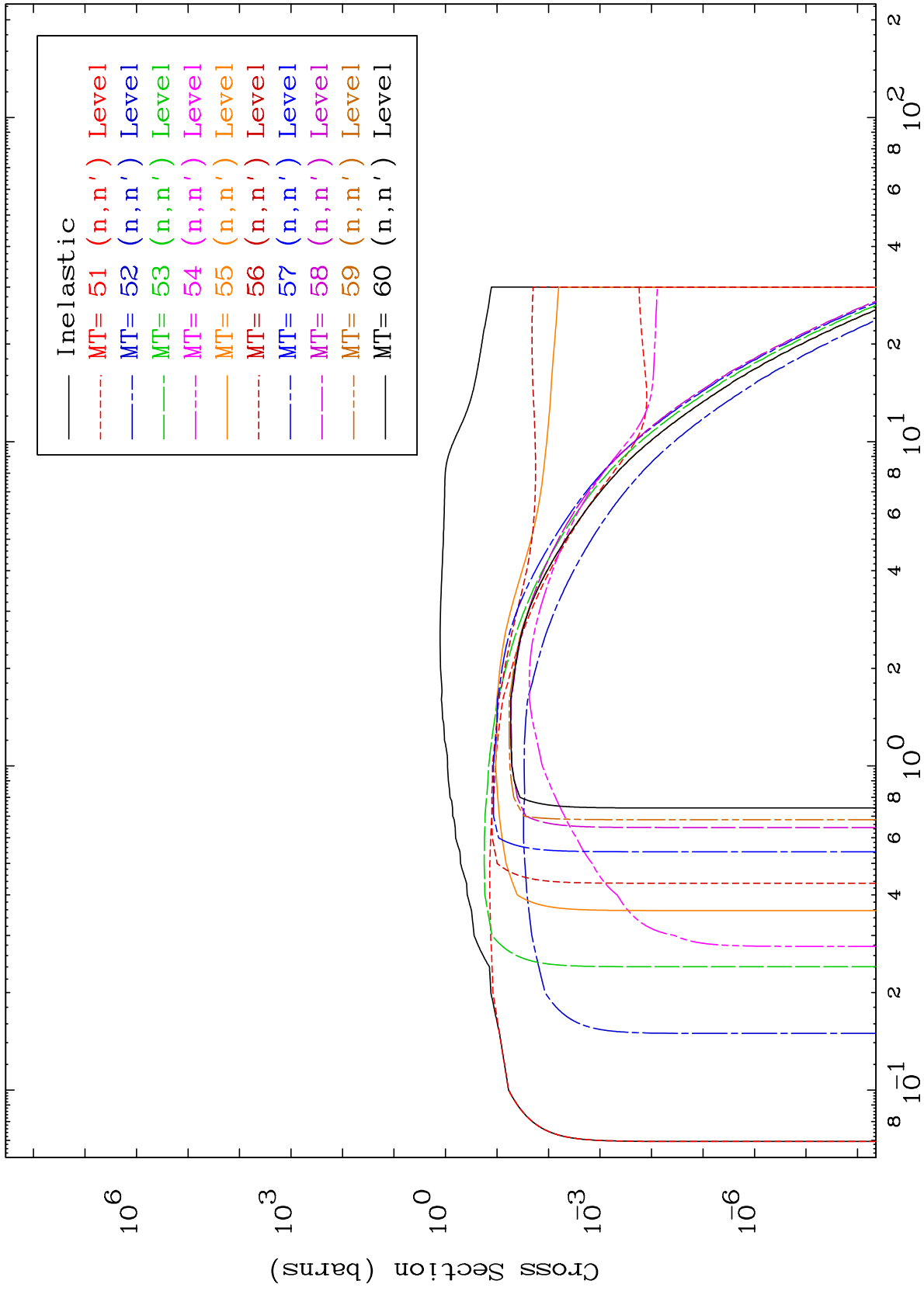


MAT 2122

(n,n') Level

21-Sc-44

293 Kelvin Cross Sections



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Incident Energy (MeV)

21-Sc-44

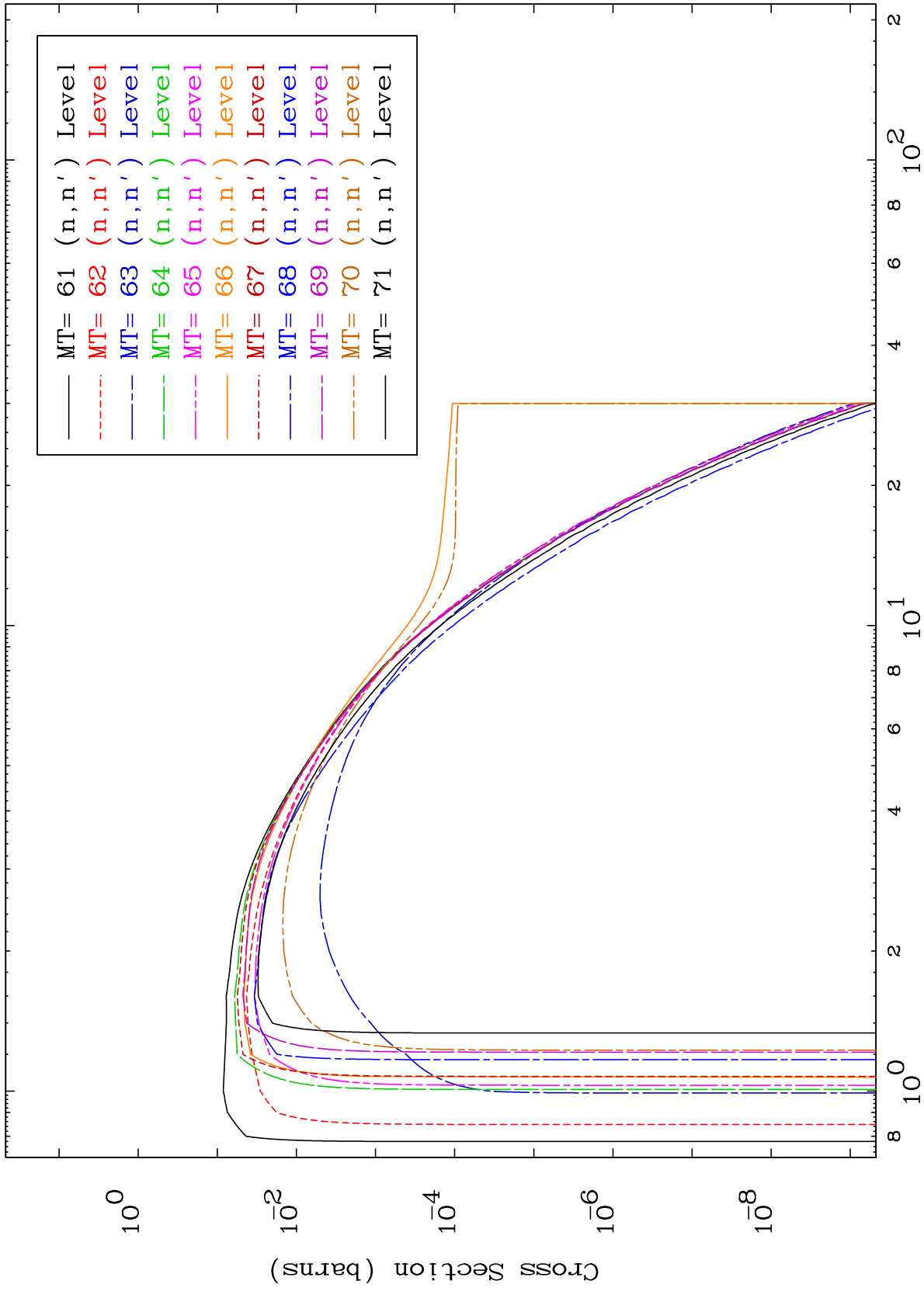


MAT 2122

(n,n') Level

21-Sc-44

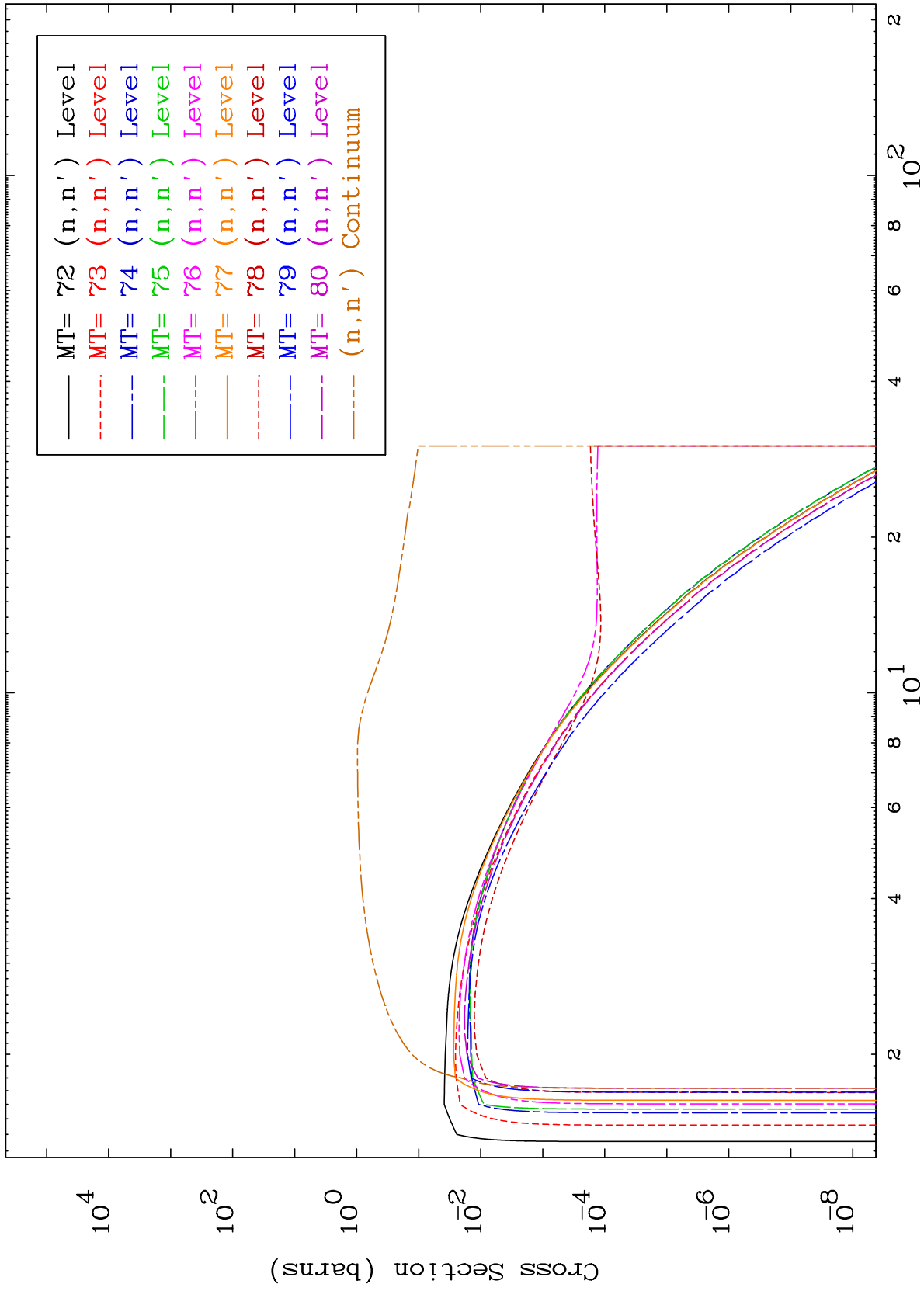
293 Kelvin Cross Sections

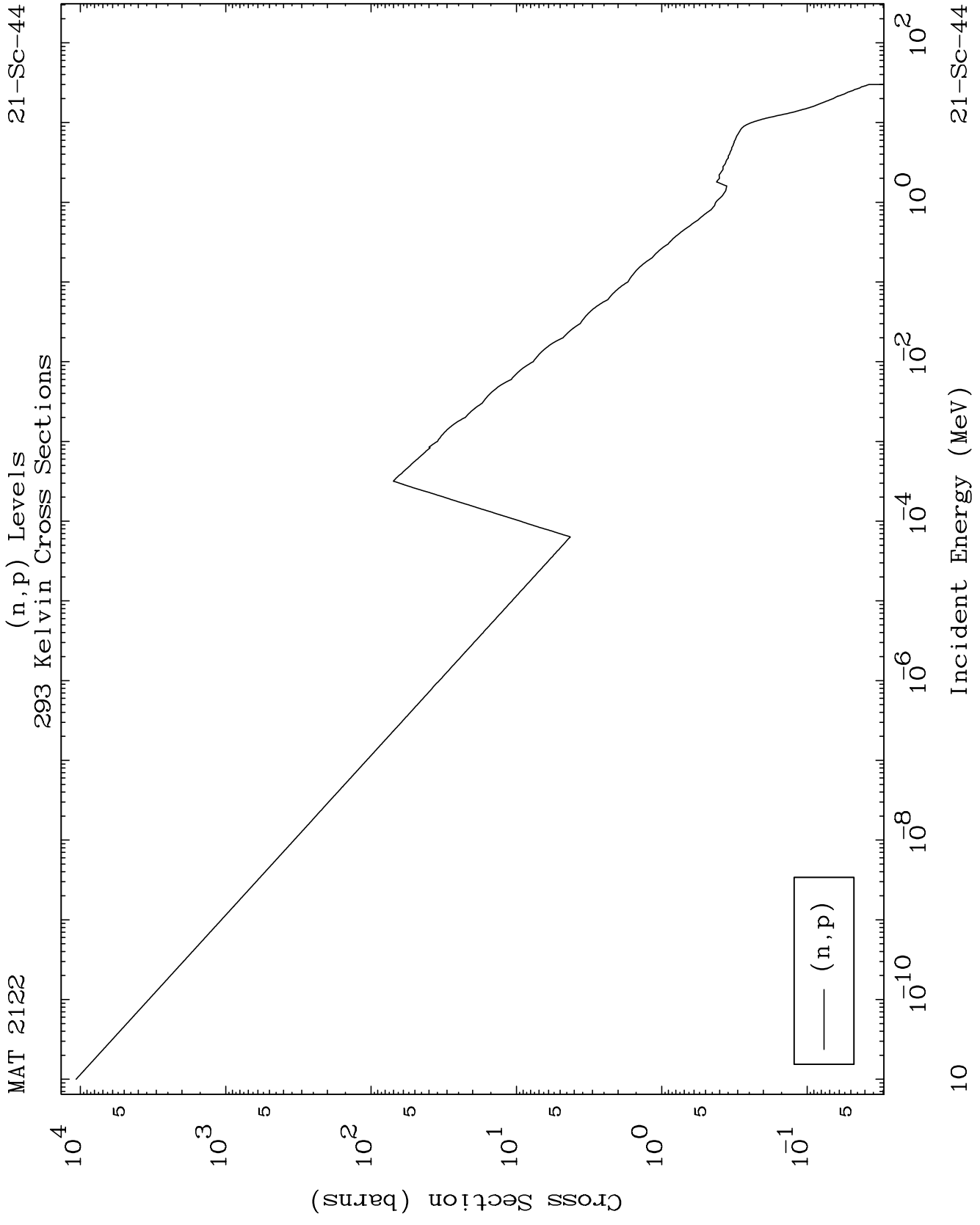


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Incident Energy (MeV)

21-Sc-44

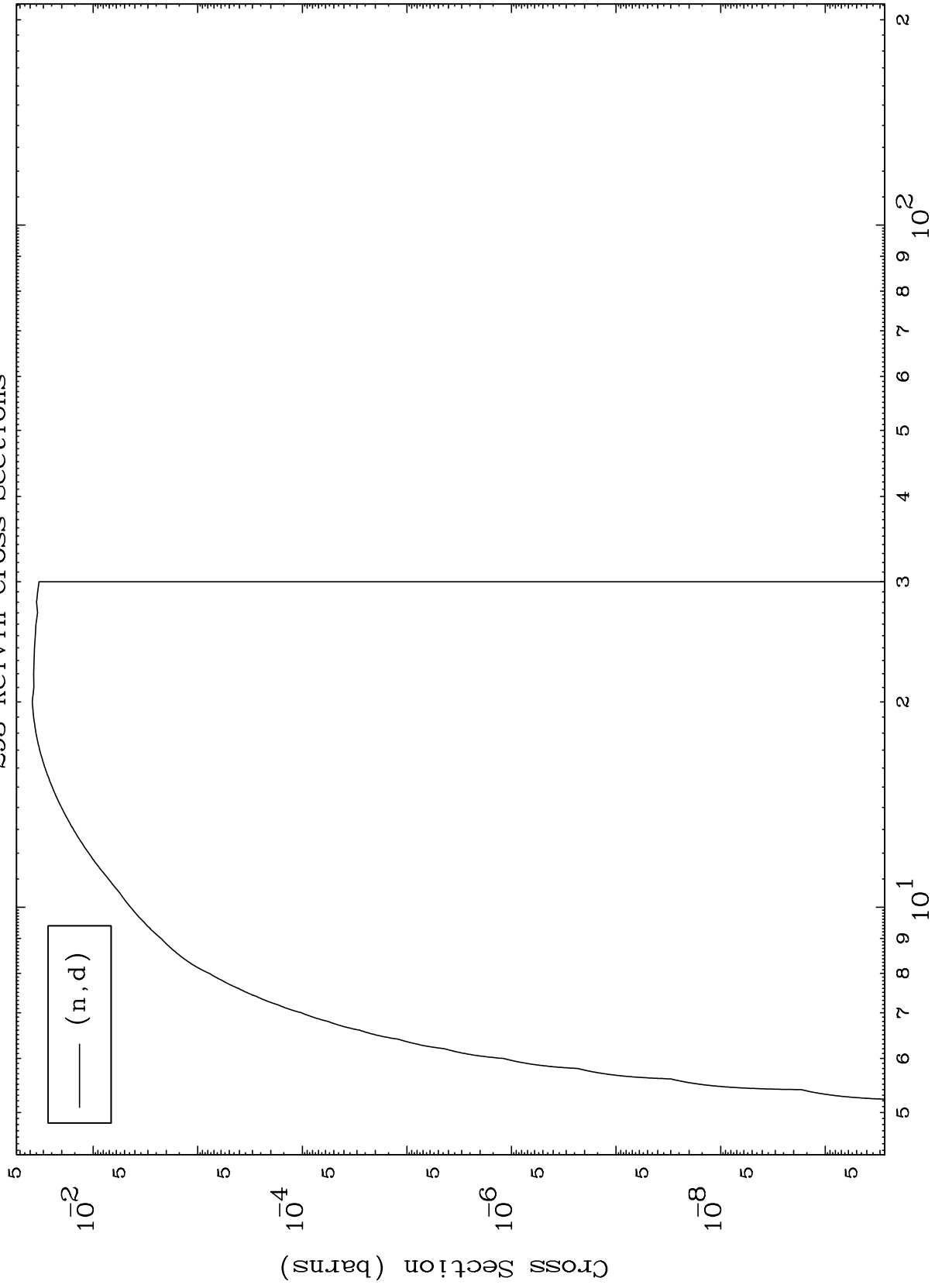




MAT 2122

(n,d) Levels  
293 Kelvin Cross Sections

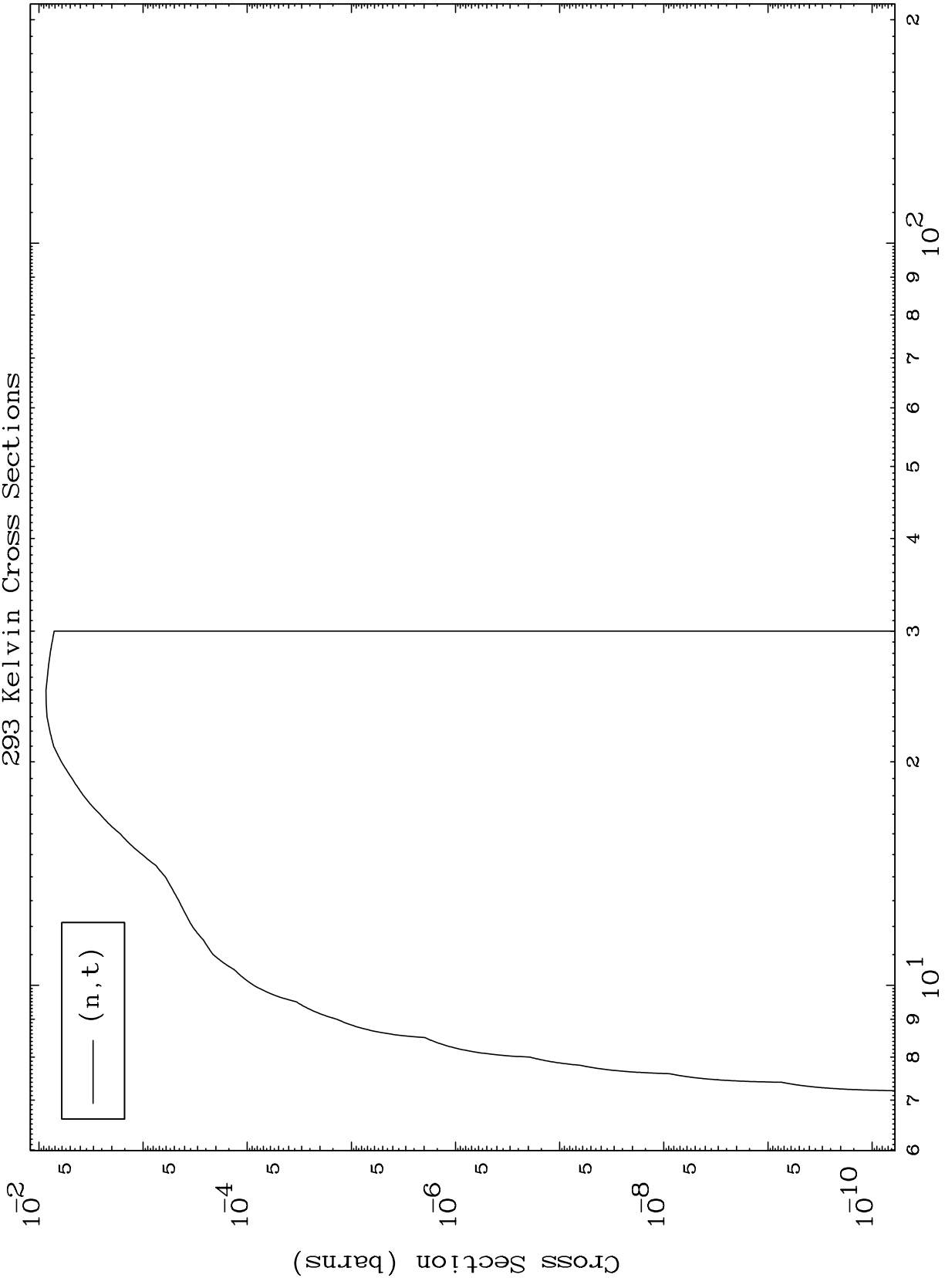
21-Sc-44



MAT 2122

(n,t) Levels  
293 Kelvin Cross Sections

21-Sc-44



12

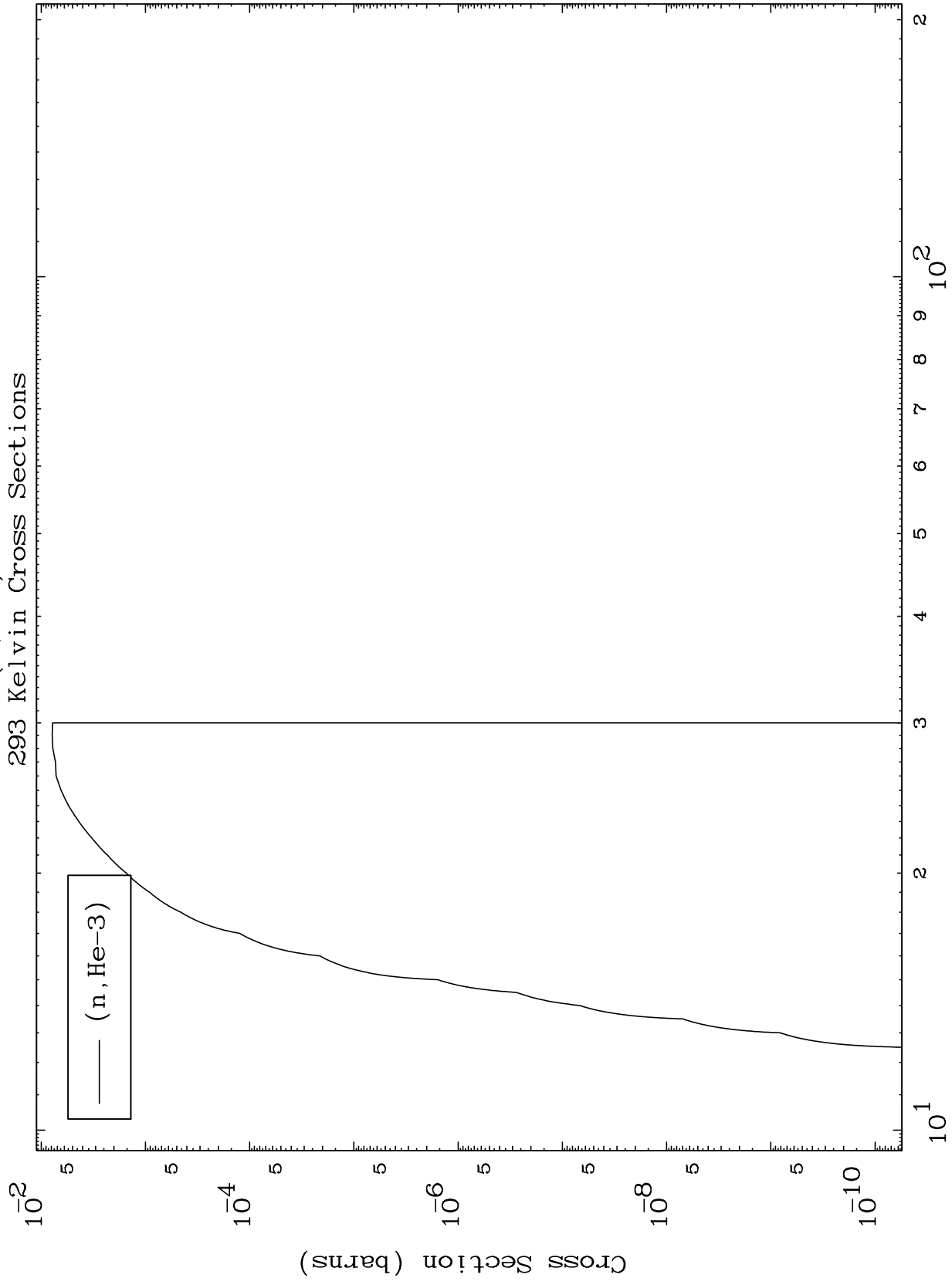
Incident Energy (MeV)

21-Sc-44

MAT 2122

(n,He3) Levels  
293 Kelvin Cross Sections

21-Sc-44



13

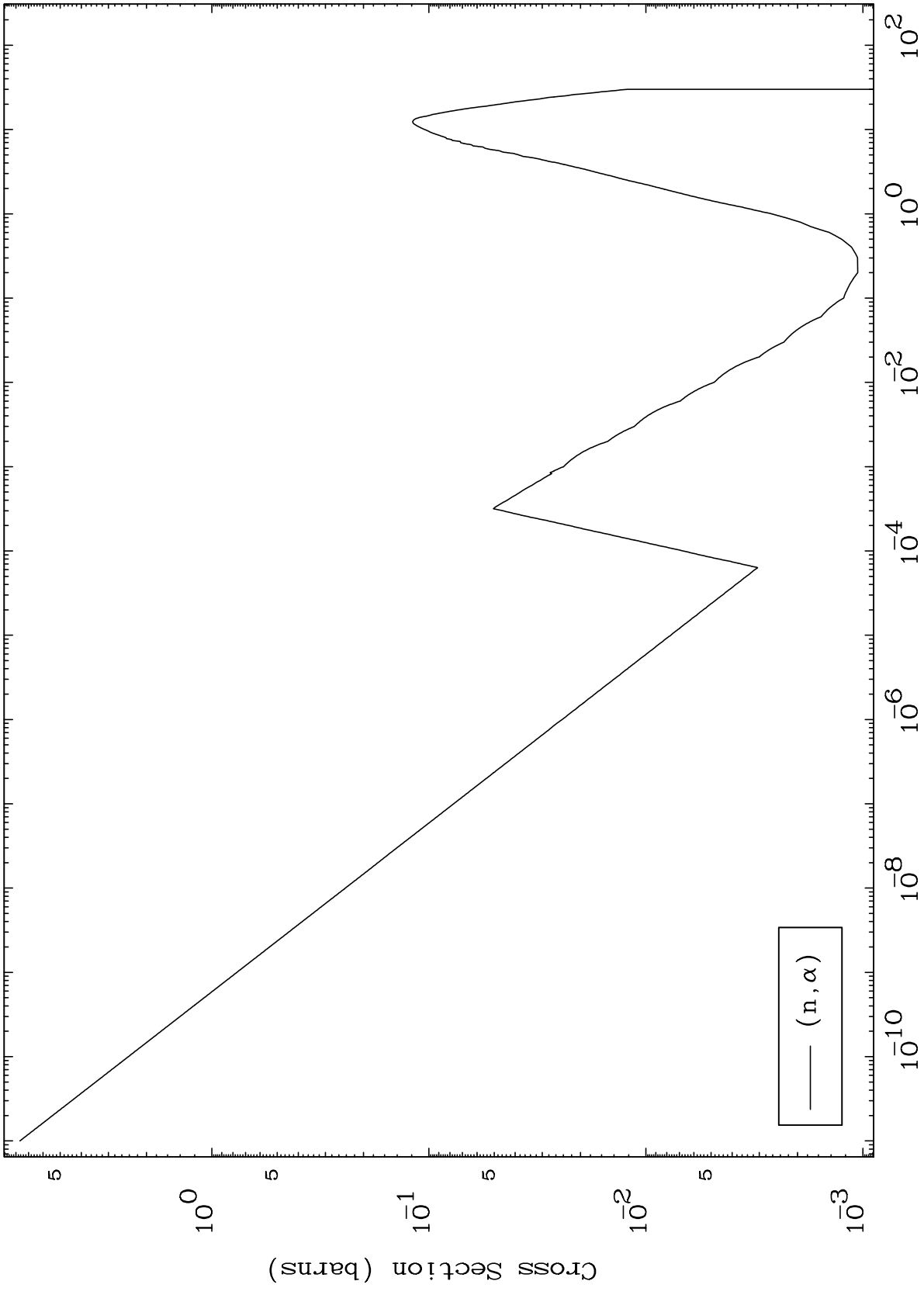
Incident Energy (MeV)

21-Sc-44

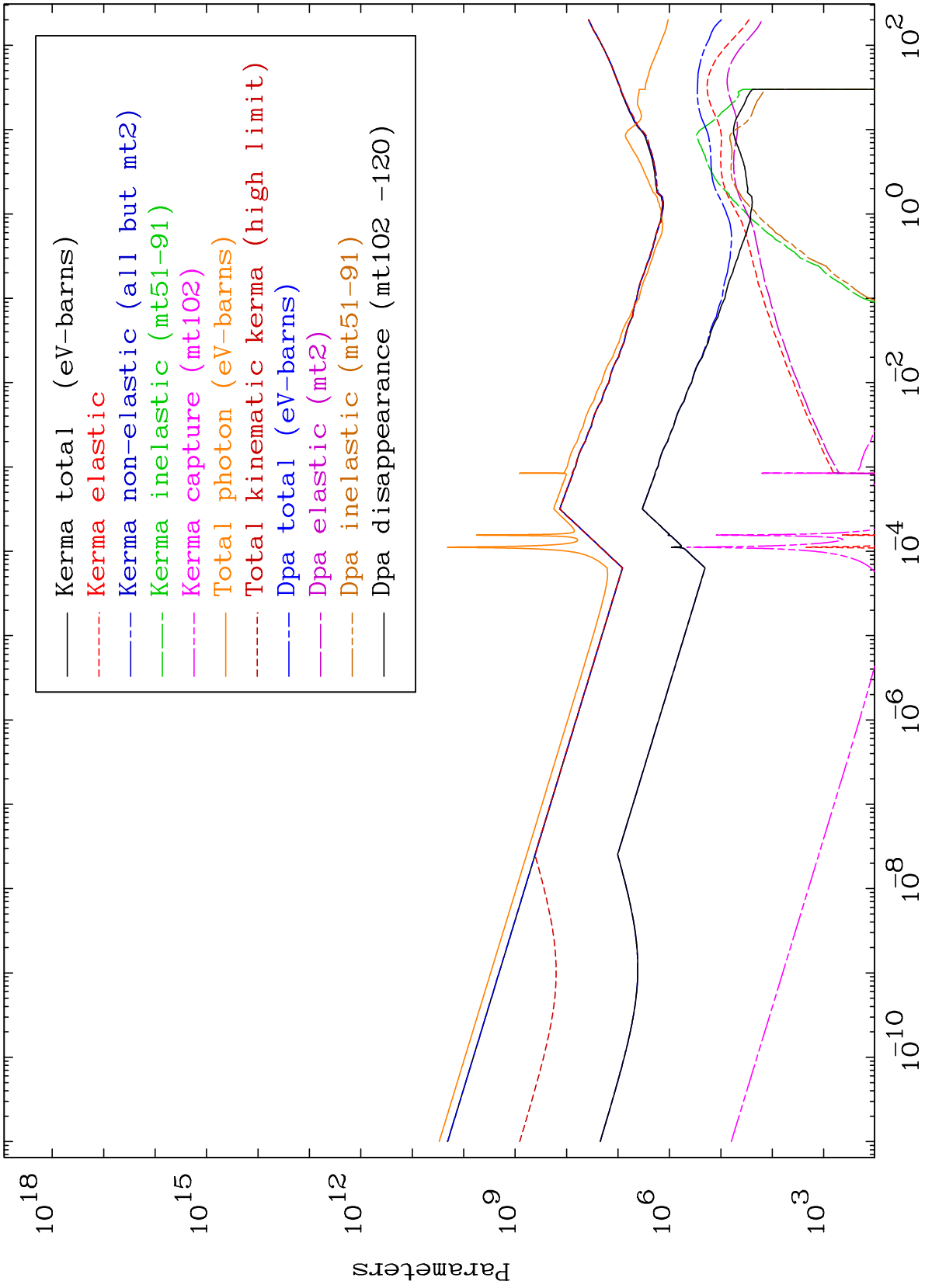
MAT 2122

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

21-Sc-44



— (n,  $\alpha$ )

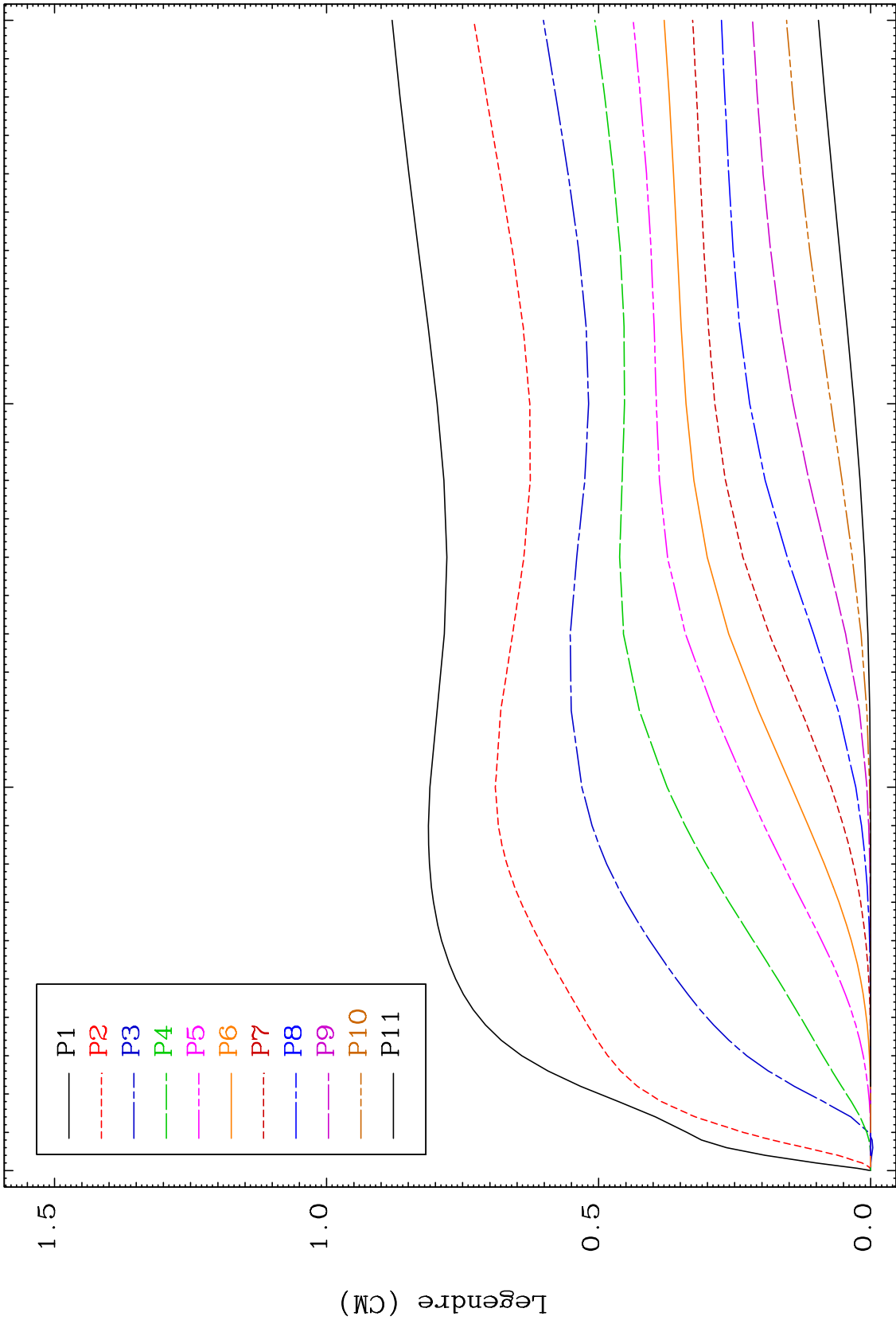




MAT 2122

Elastic Legendre Coefficients

21-Sc-44



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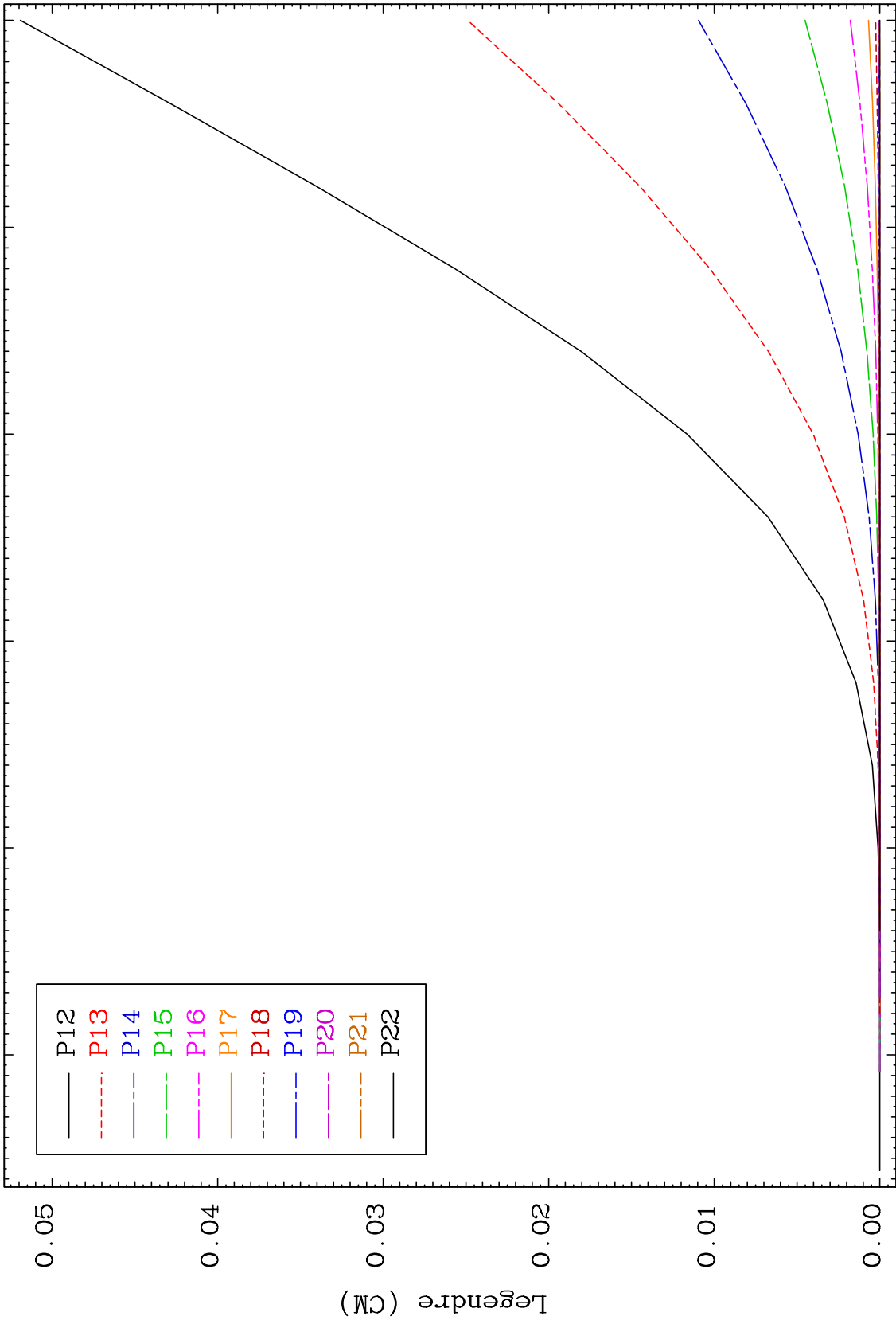
Incident Energy (MeV)

21-Sc-44

MAT 2122

Elastic Legendre Coefficients

21-Sc-44

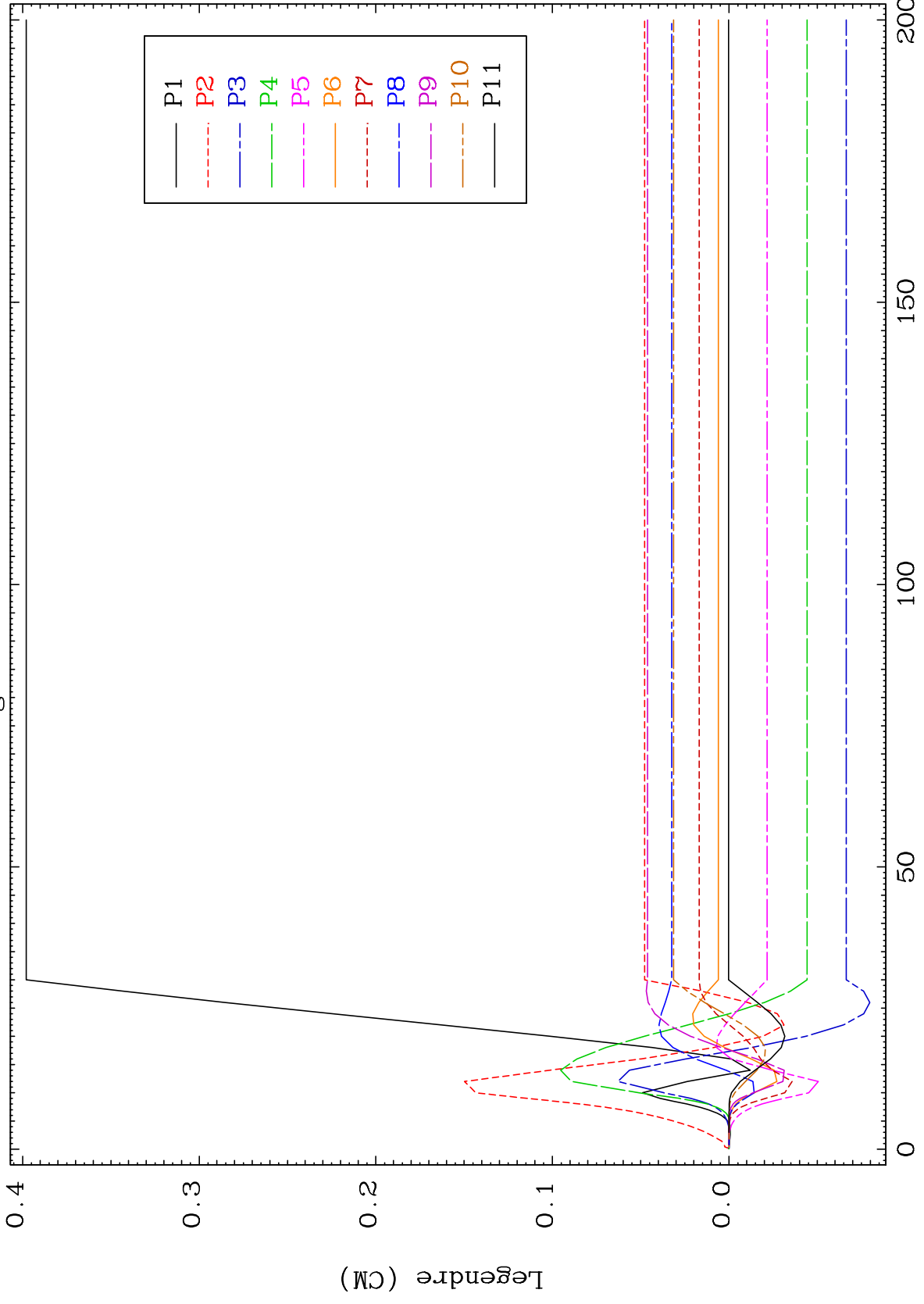


17

21-Sc-44



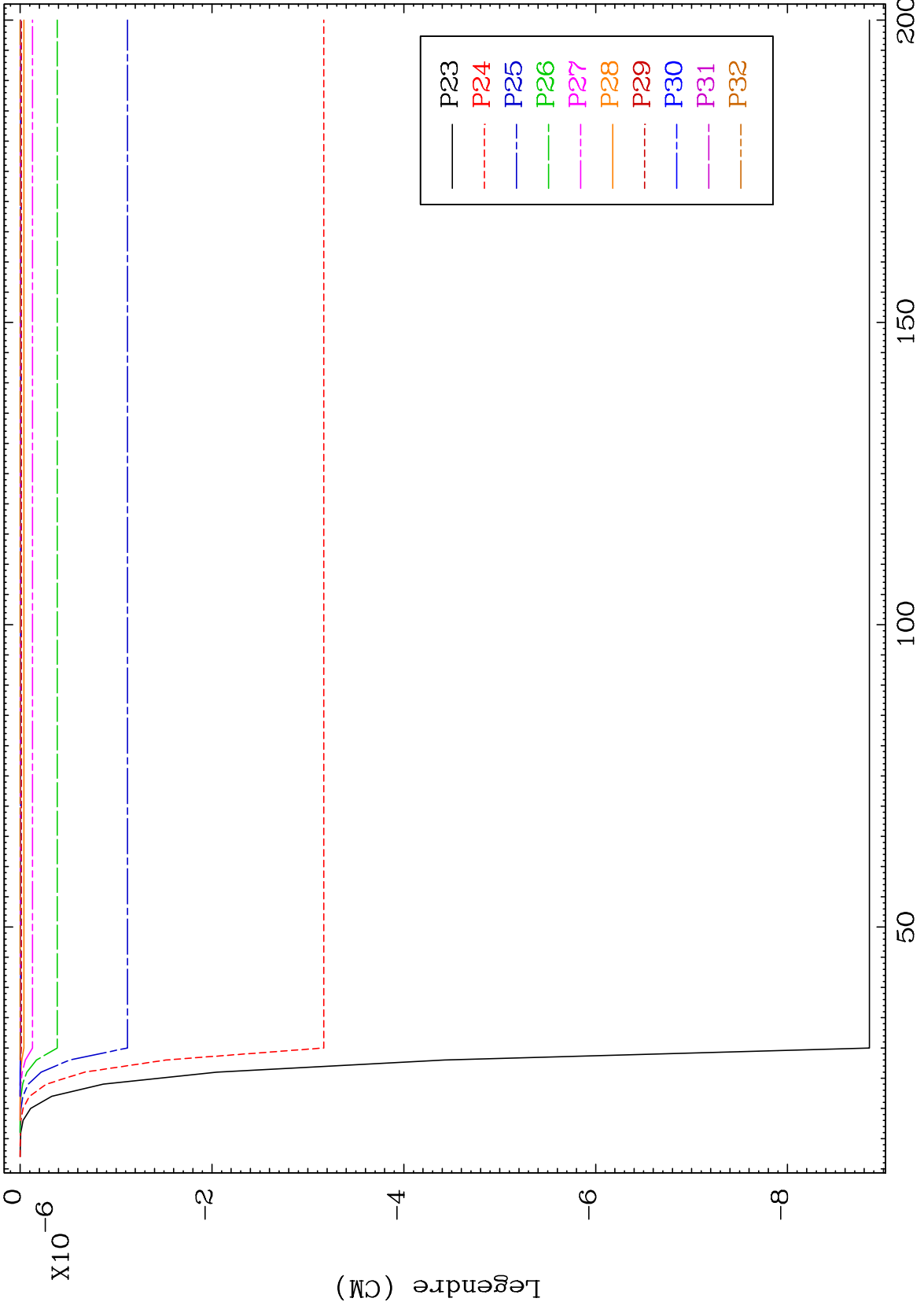
MAT 2122 MT= 51 (n,n') Level Legendre Coefficients 21-Sc-44



19 21-Sc-44

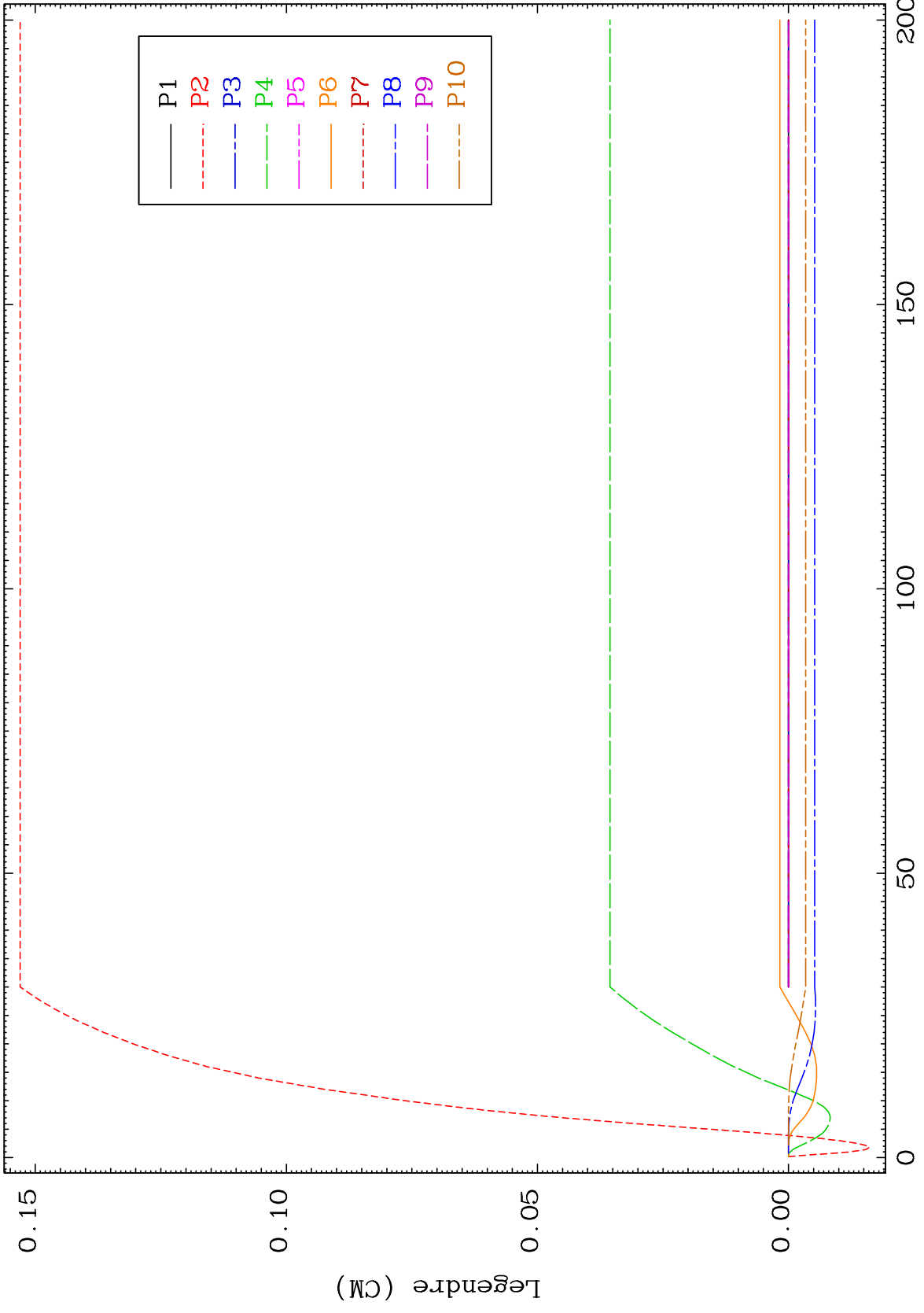


MAT 2122 MT= 51 (n,n') Level Legendre Coefficients 21-Sc-44



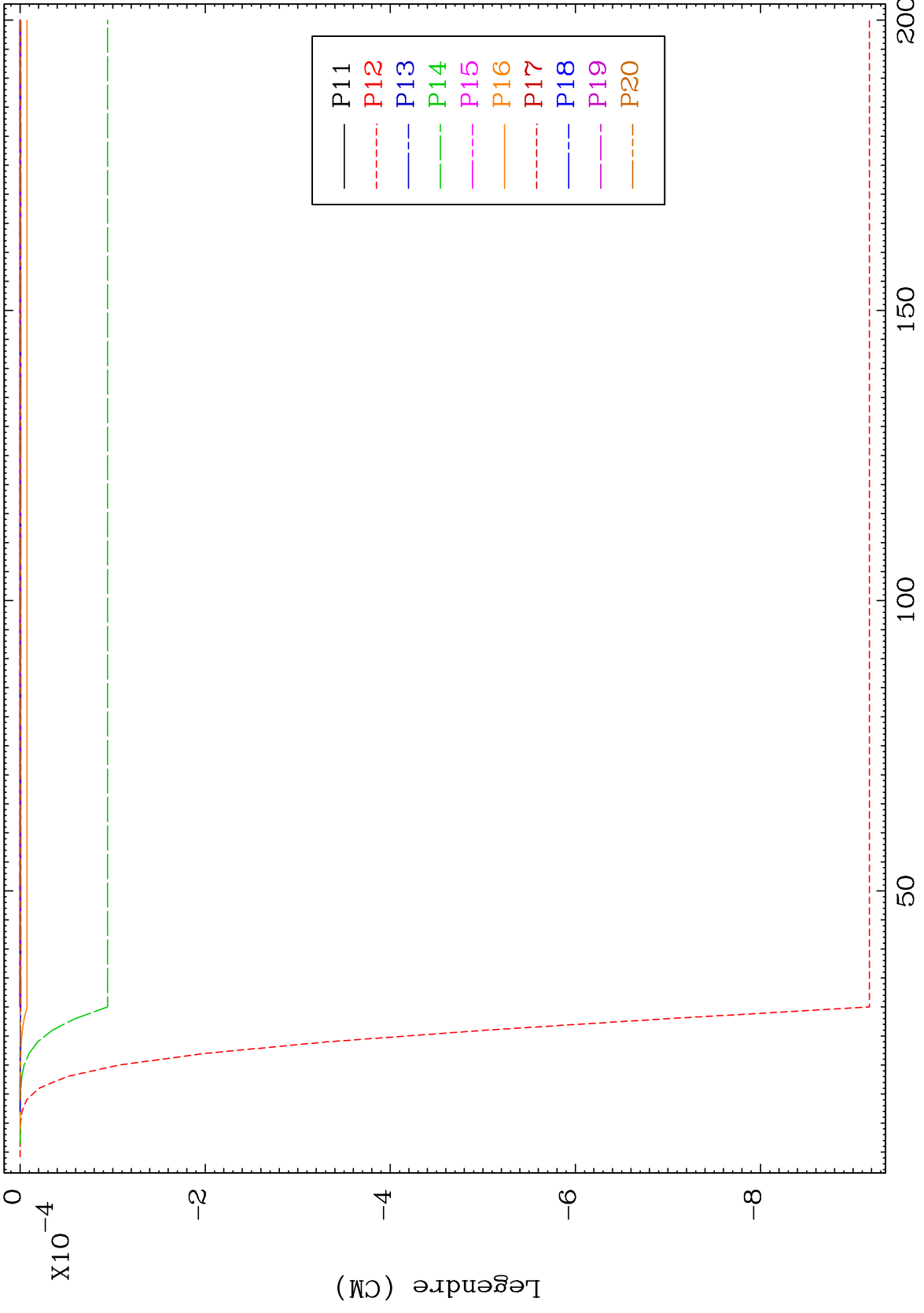
21

MAT 2122 MT= 52 (n,n') Level Legendre Coefficients 21-Sc-44



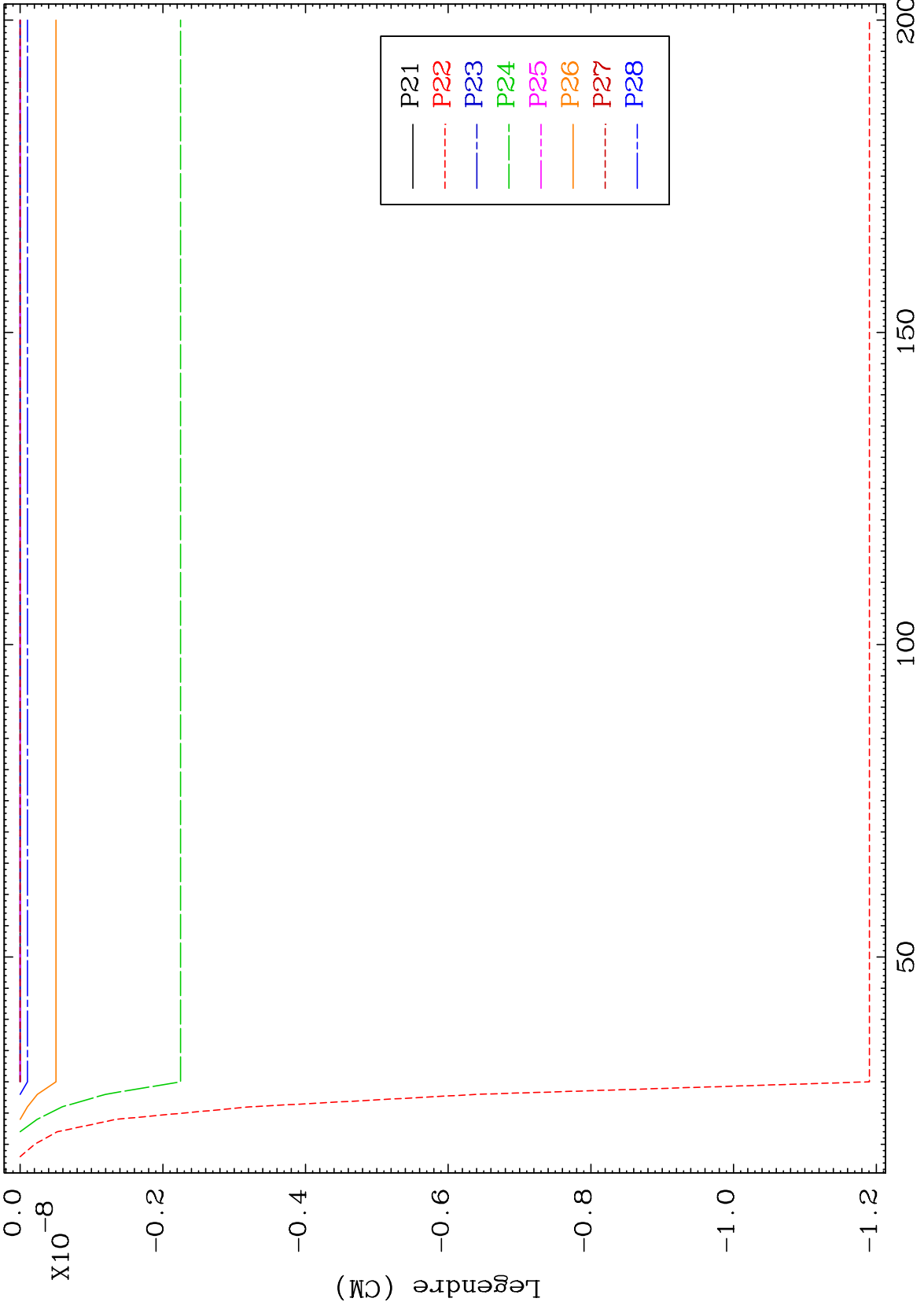
22 21-Sc-44

MAT 2122 MT= 52 (n,n') Level Legendre Coefficients 21-Sc-44

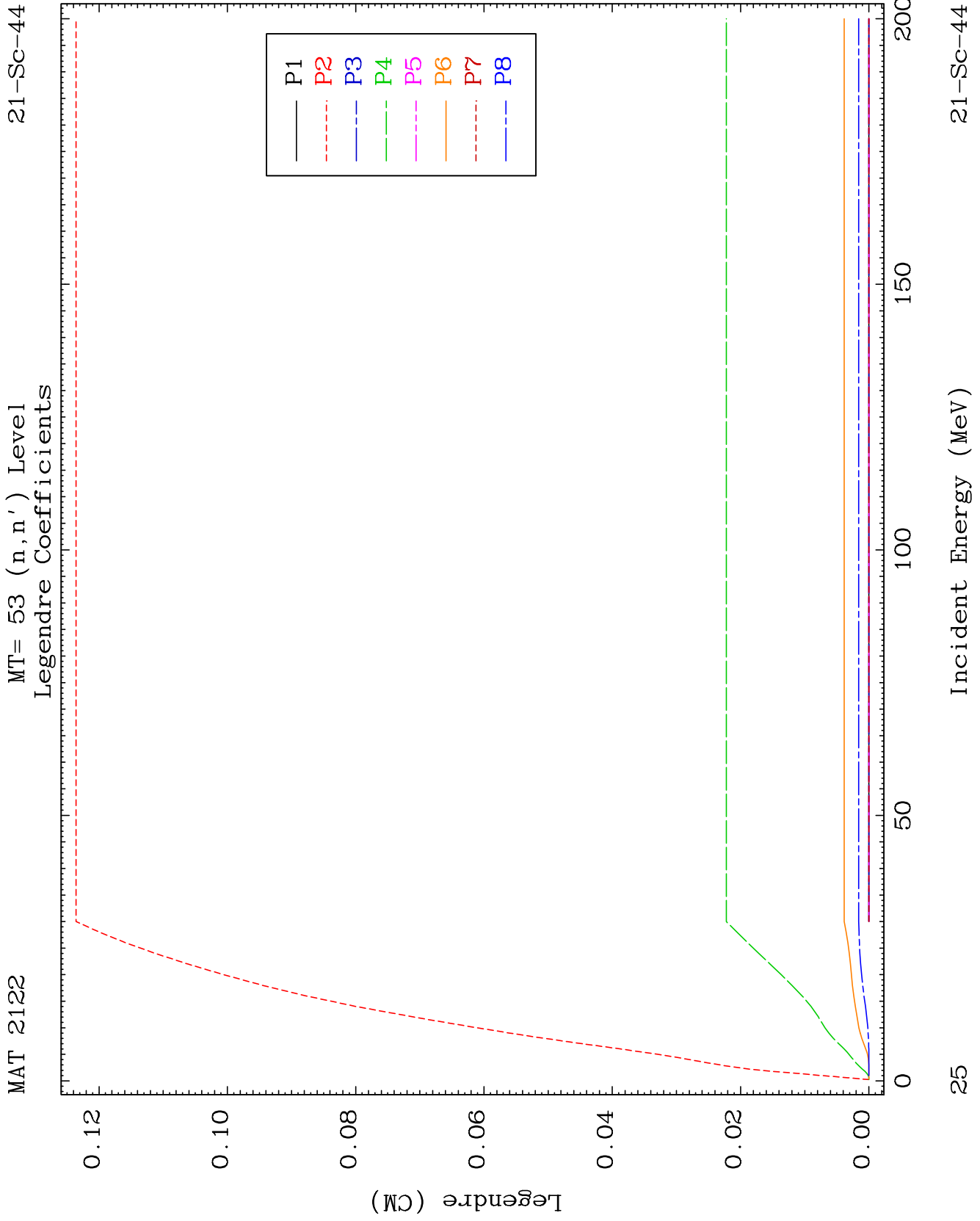




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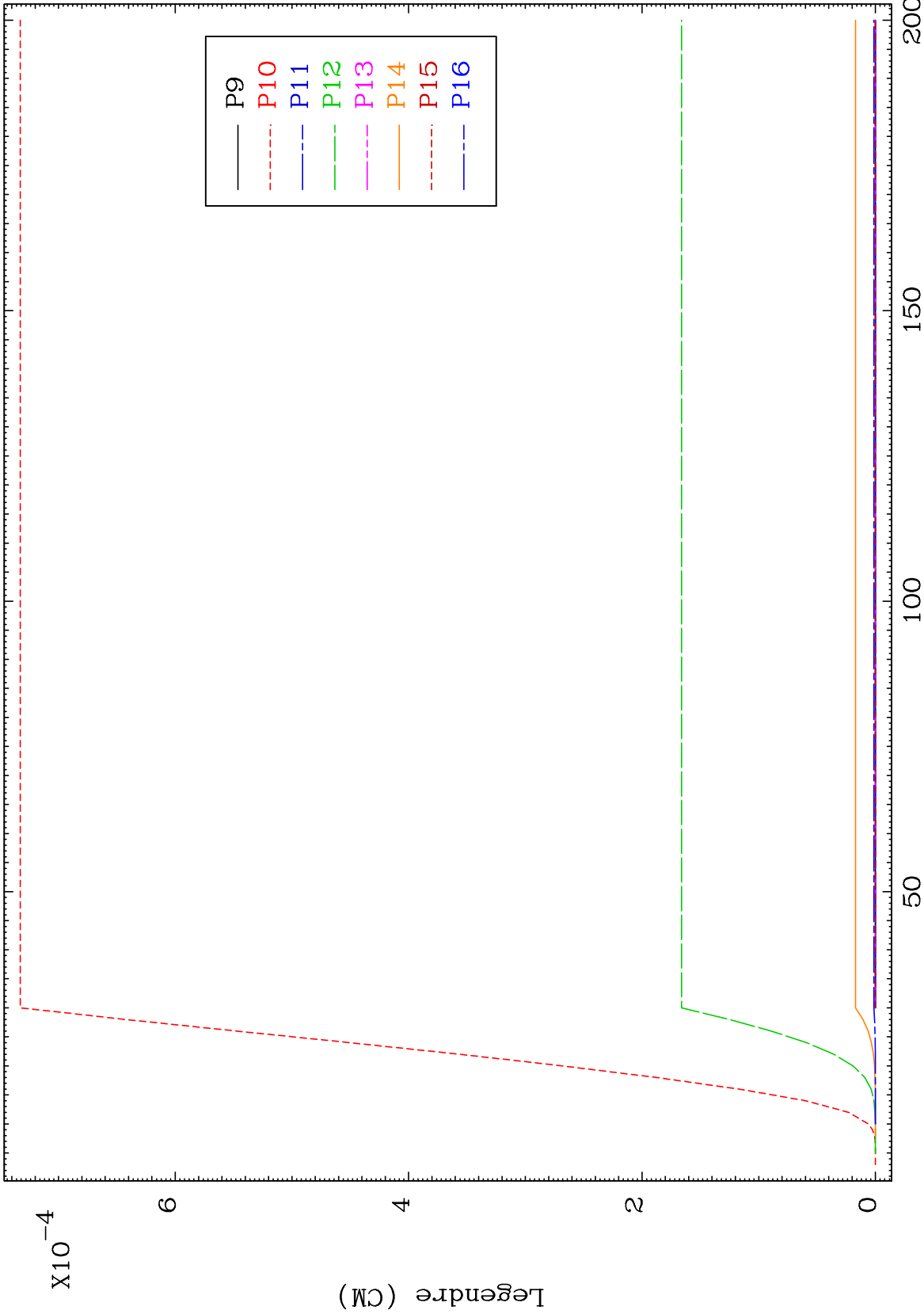
24 Incident Energy (MeV) 21-Sc-44



MAT 2122

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

21-Sc-44

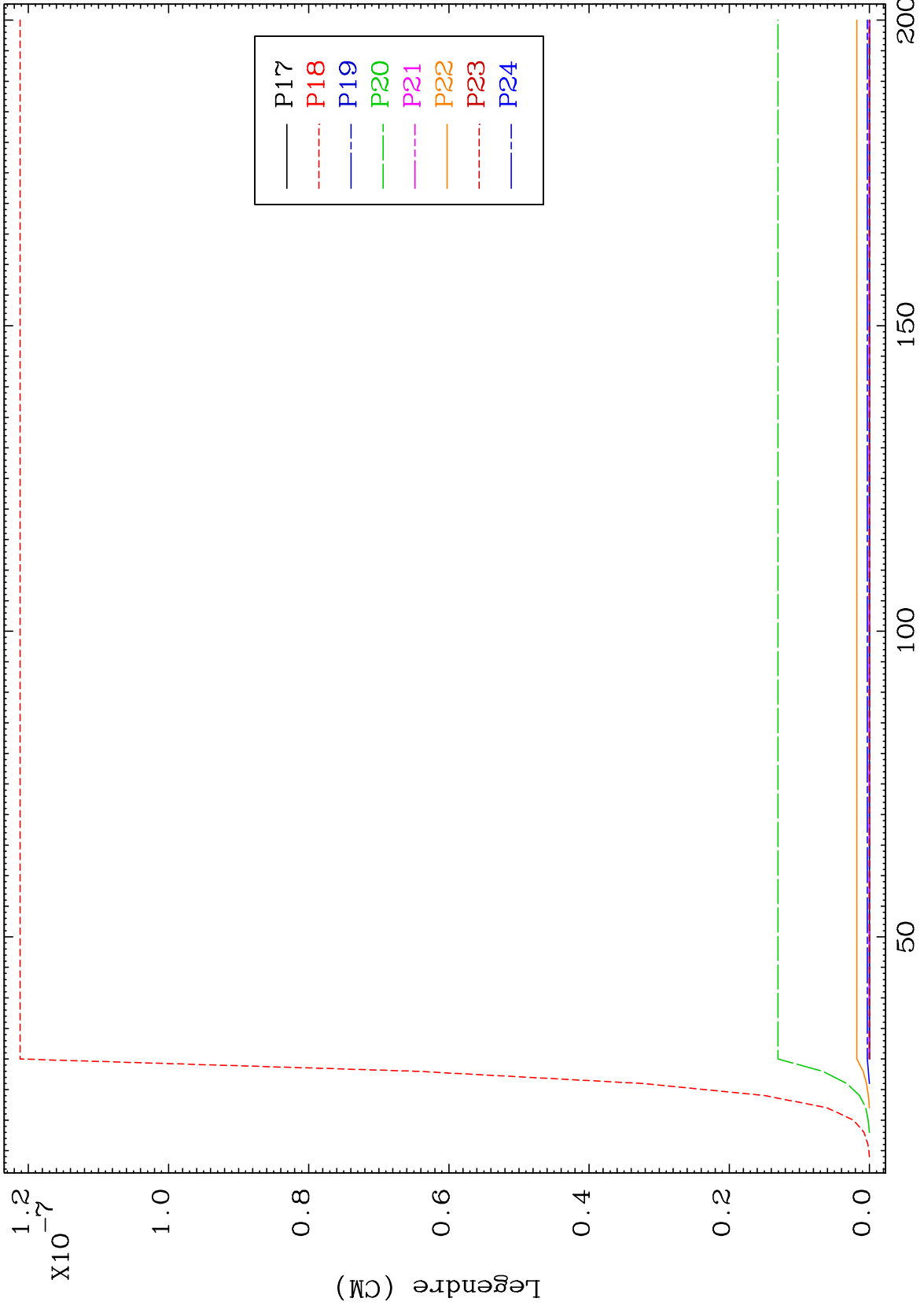


26

Incident Energy (MeV)

21-Sc-44

MAT 2122 MT= 53 (n,n') Level Legendre Coefficients 21-Sc-44

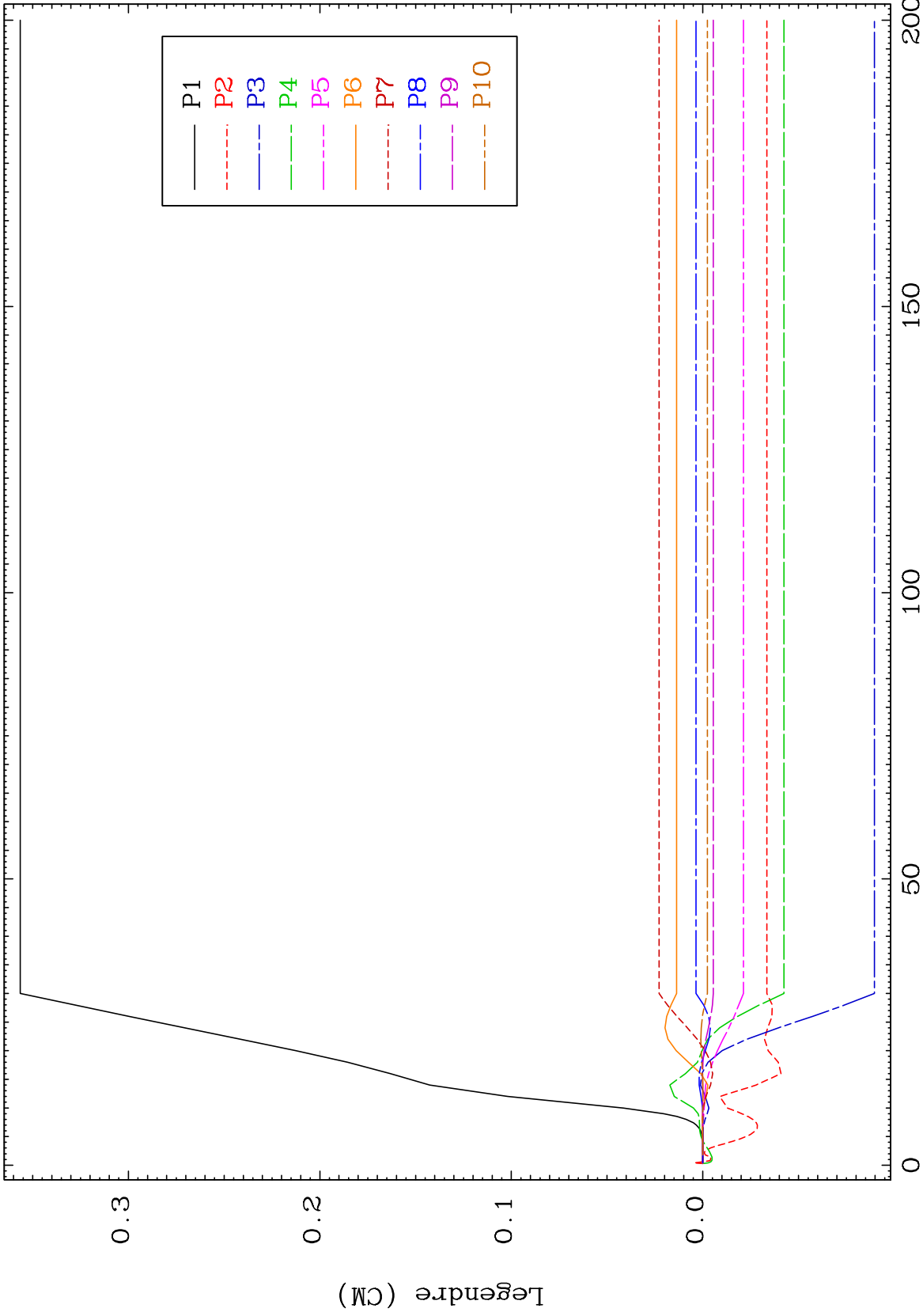


27 Incident Energy (MeV) 21-Sc-44

MAT 2122

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

21-Sc-44



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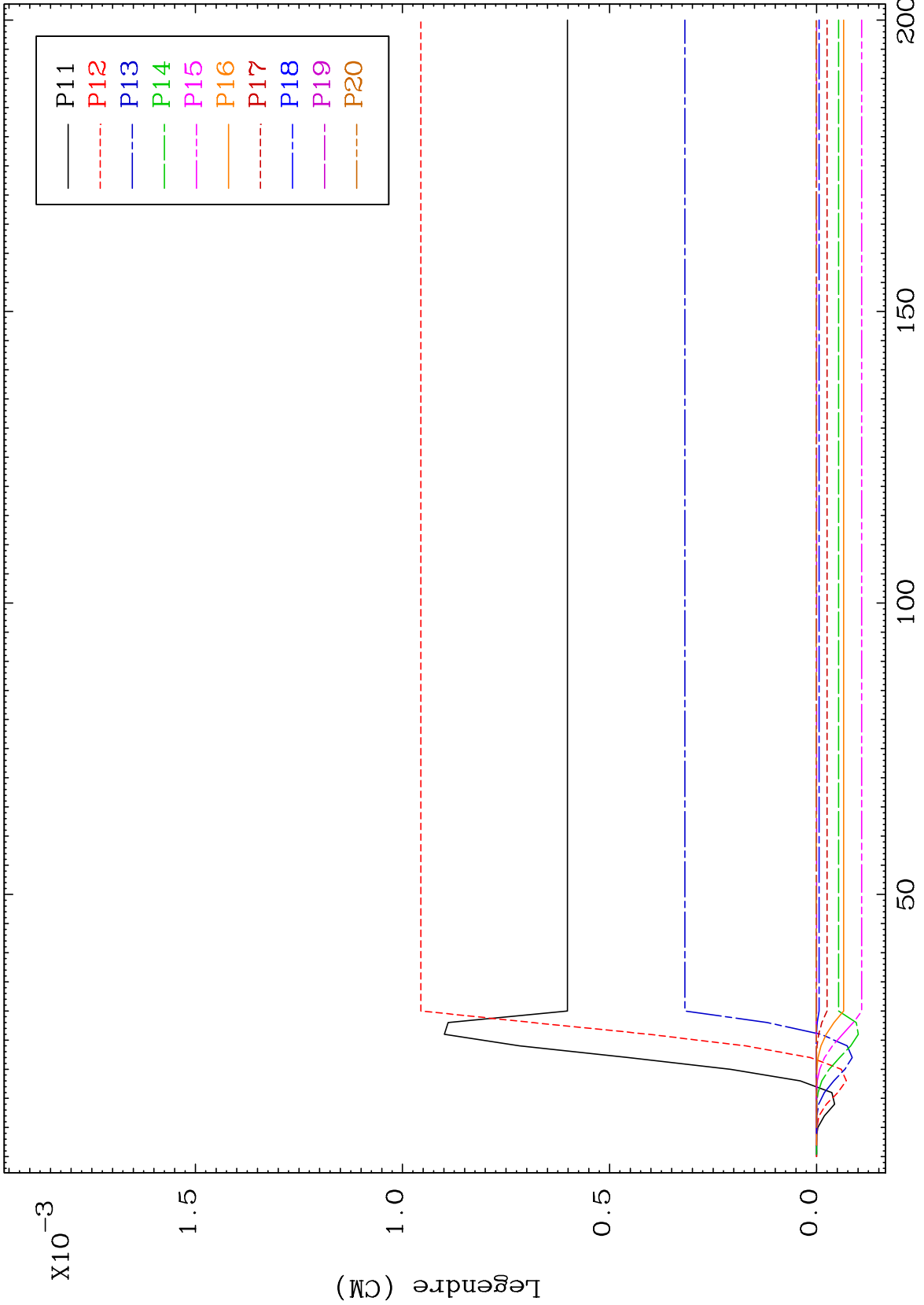
Incident Energy (MeV)

21-Sc-44

MAT 2122

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

21-Sc-44

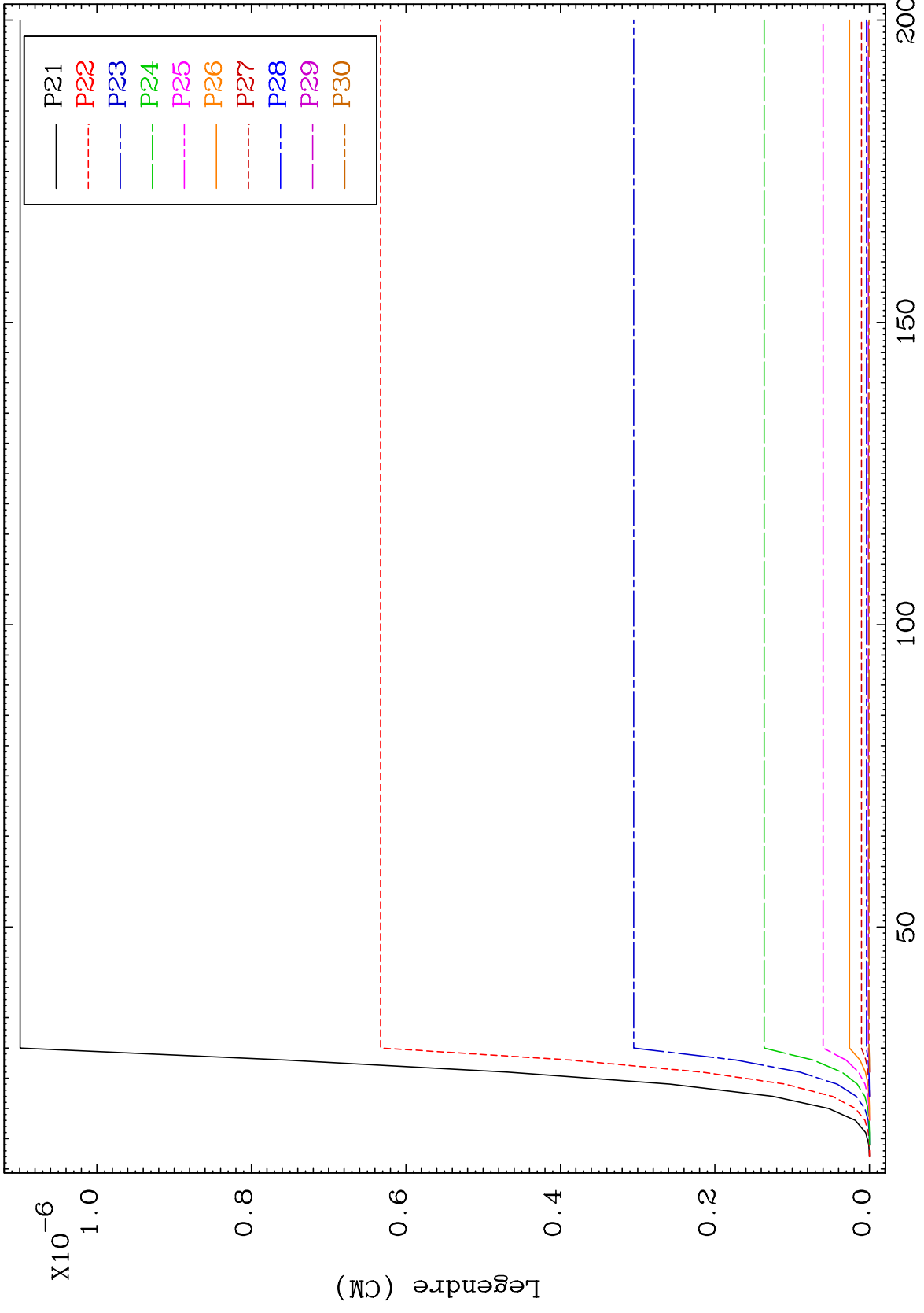


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Incident Energy (MeV)

21-Sc-44

MAT 2122 MT= 54 (n,n') Level Legendre Coefficients 21-Sc-44

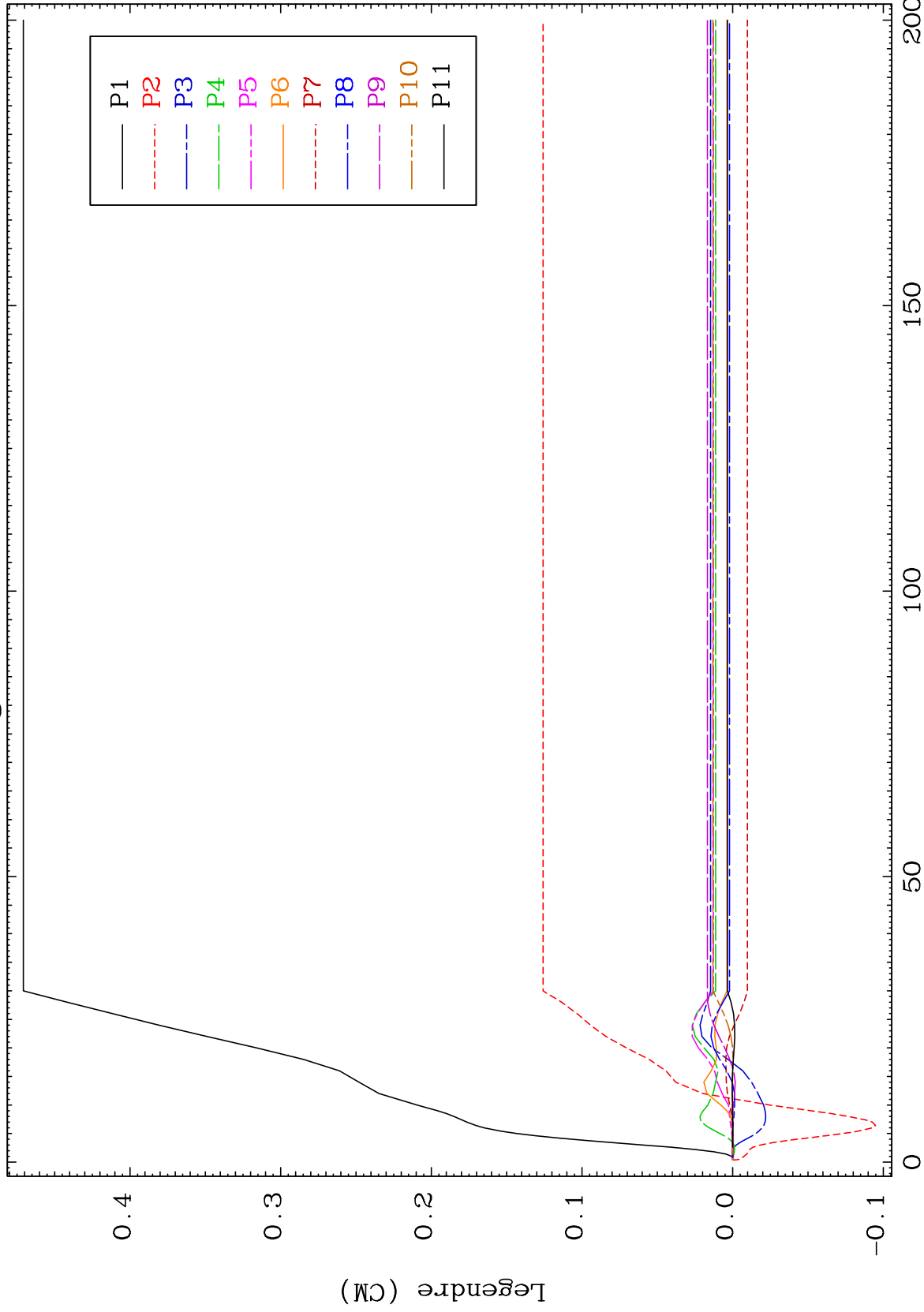


Incident Energy (MeV) 21-Sc-44

MAT 2122

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

21-Sc-44



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Incident Energy (MeV)

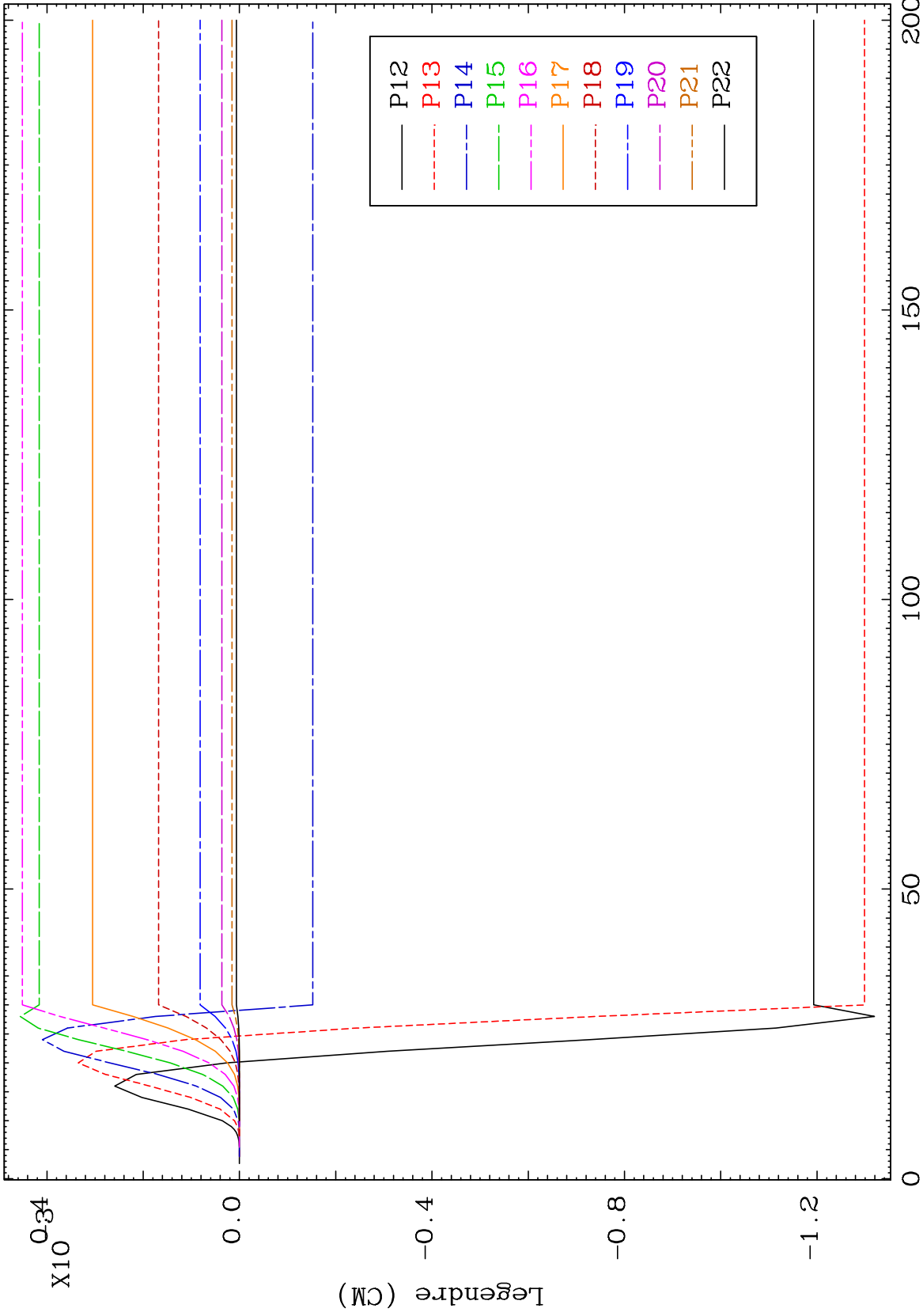
21-Sc-44



MAT 2122

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

21-Sc-44



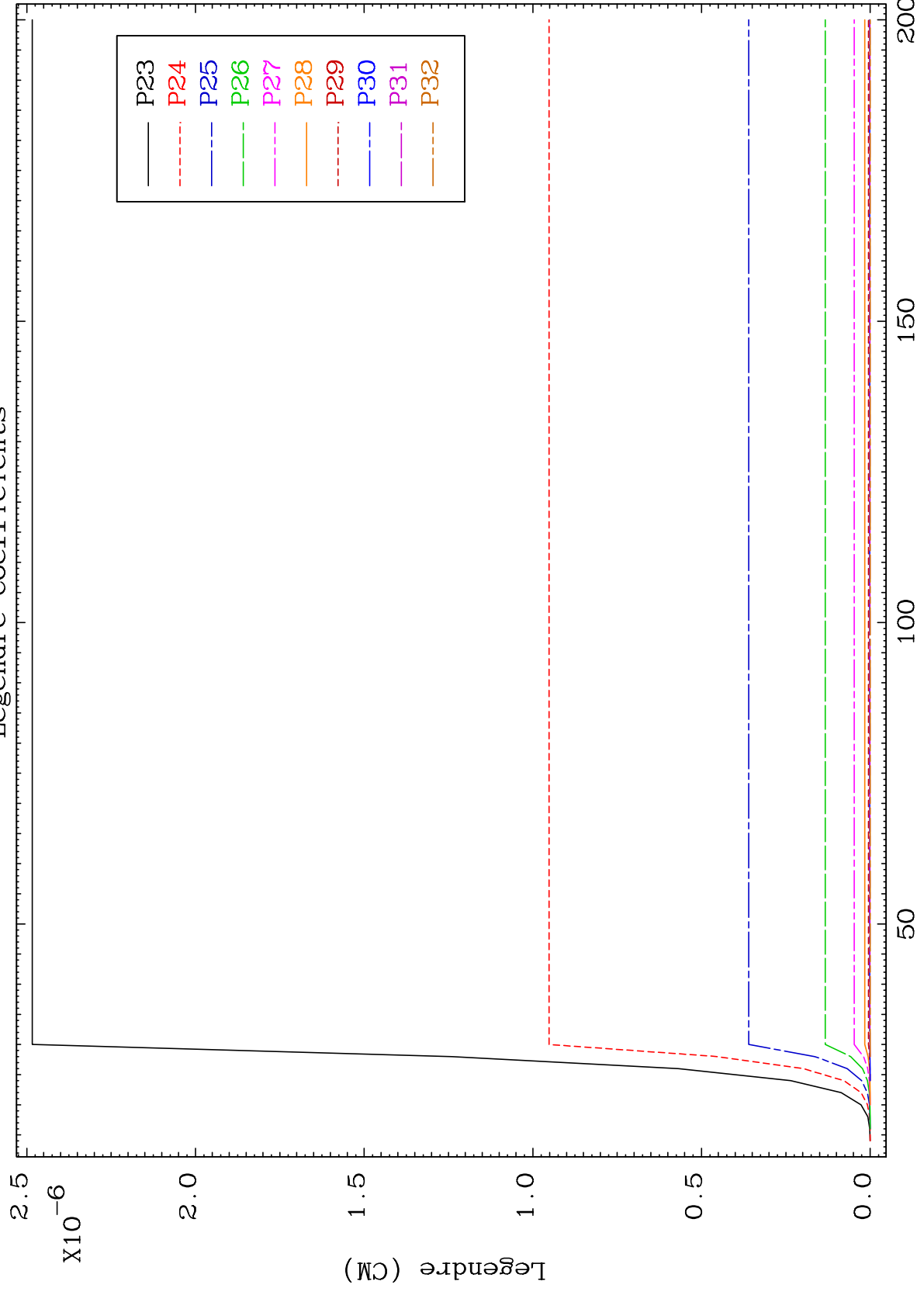
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21-Sc-44

MAT 2122

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

21-Sc-44



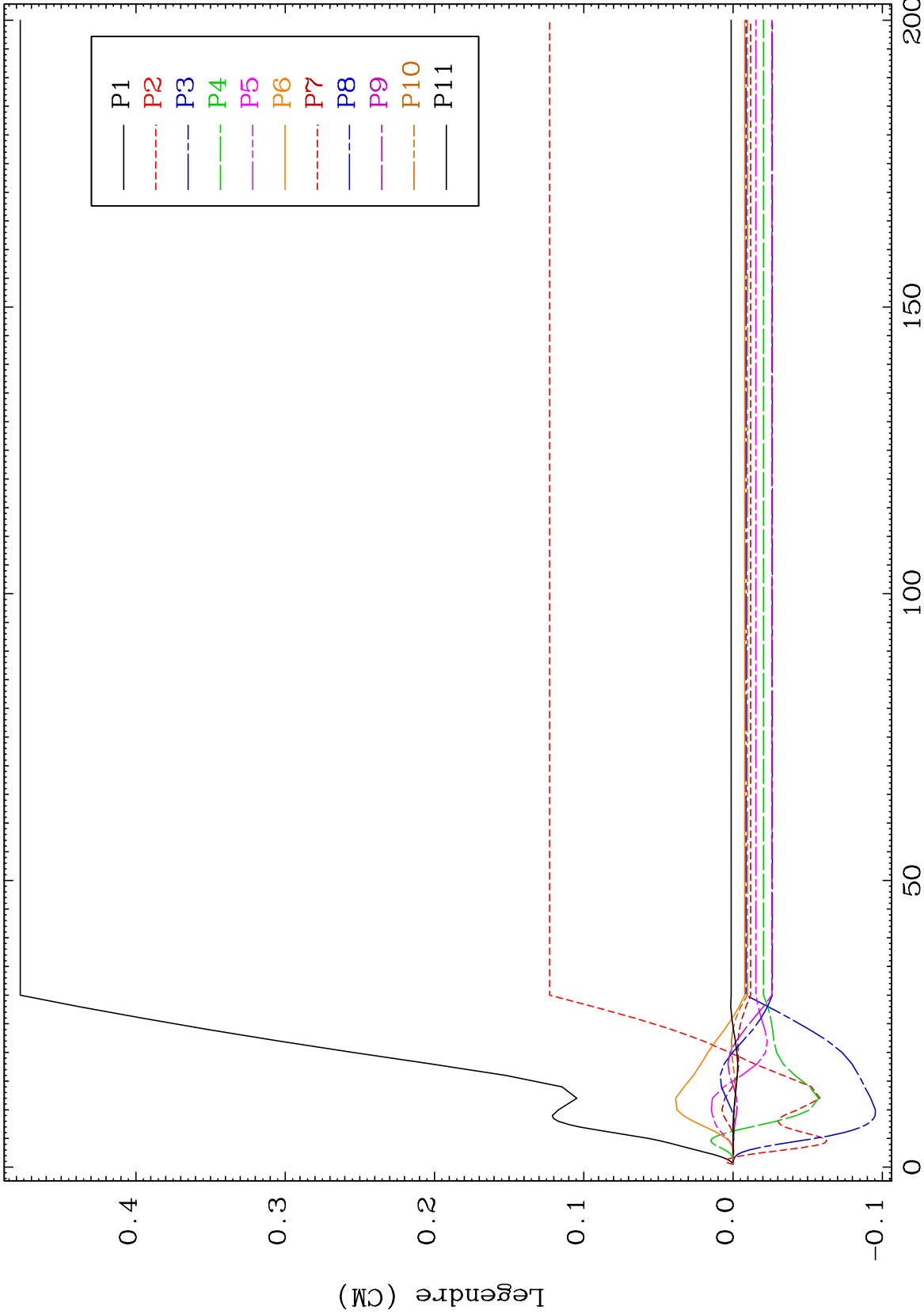
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21-Sc-44

MAT 2122

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

21-Sc-44



34

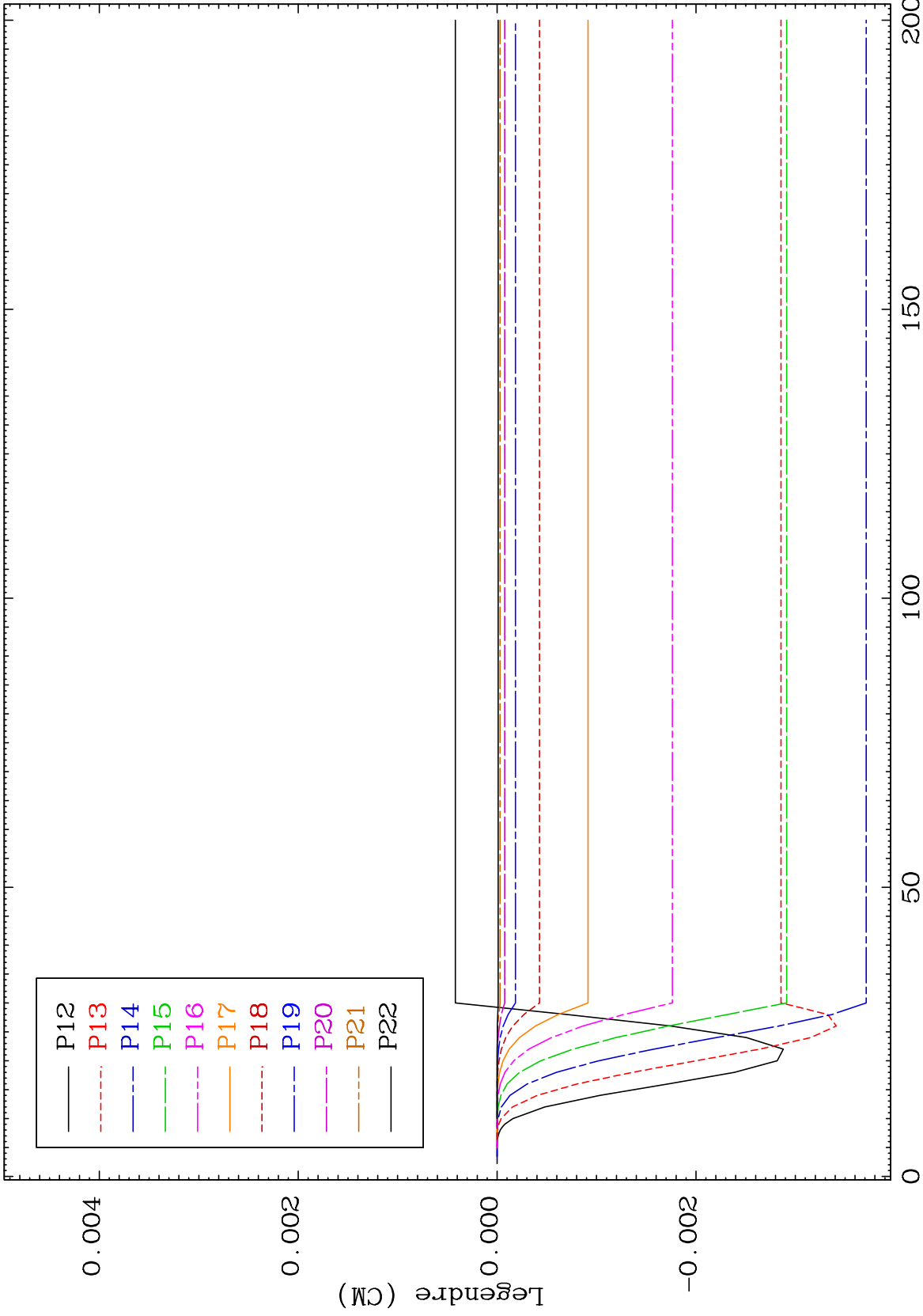
Incident Energy (MeV)

21-Sc-44

MAT 2122

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

21-Sc-44

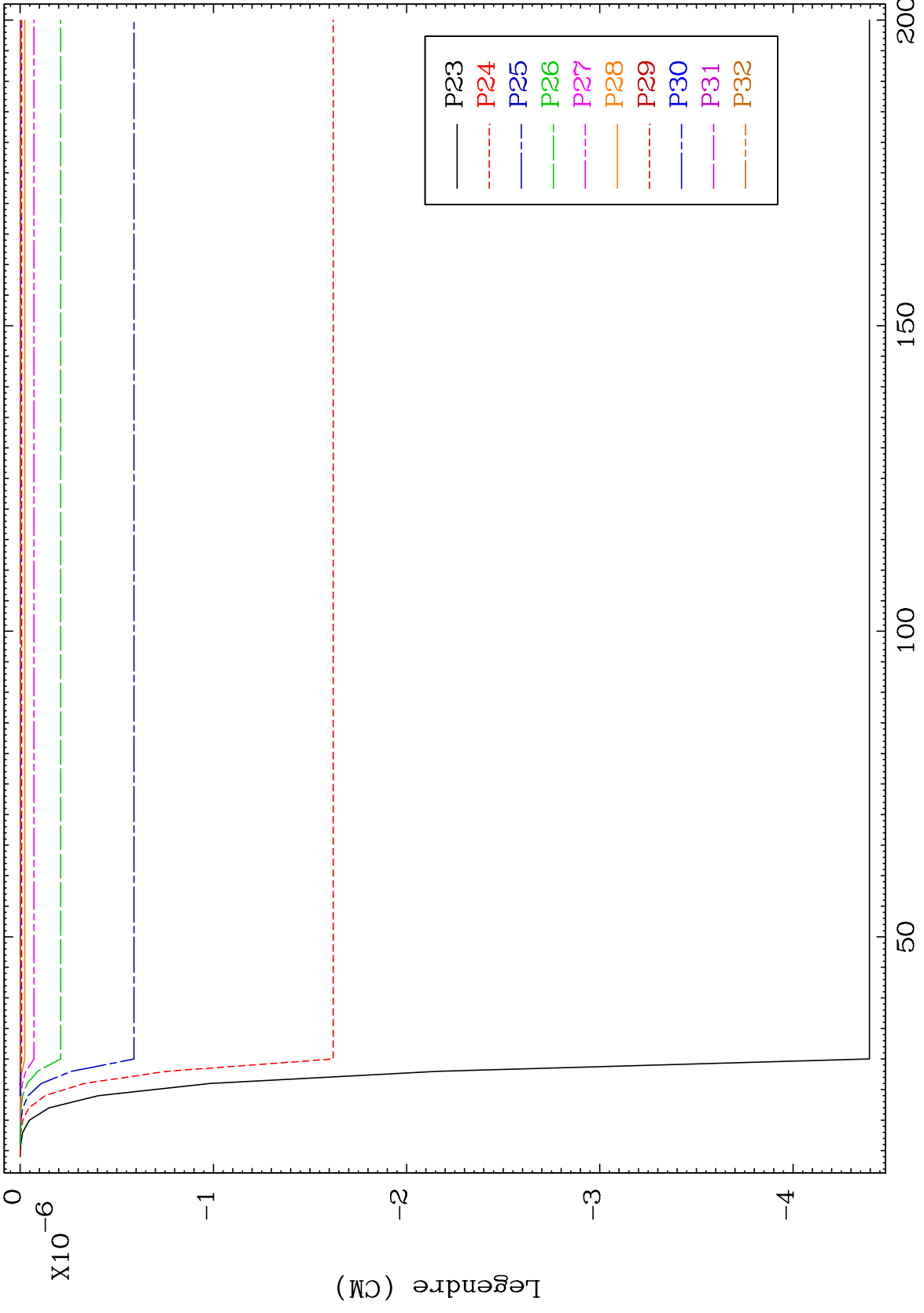


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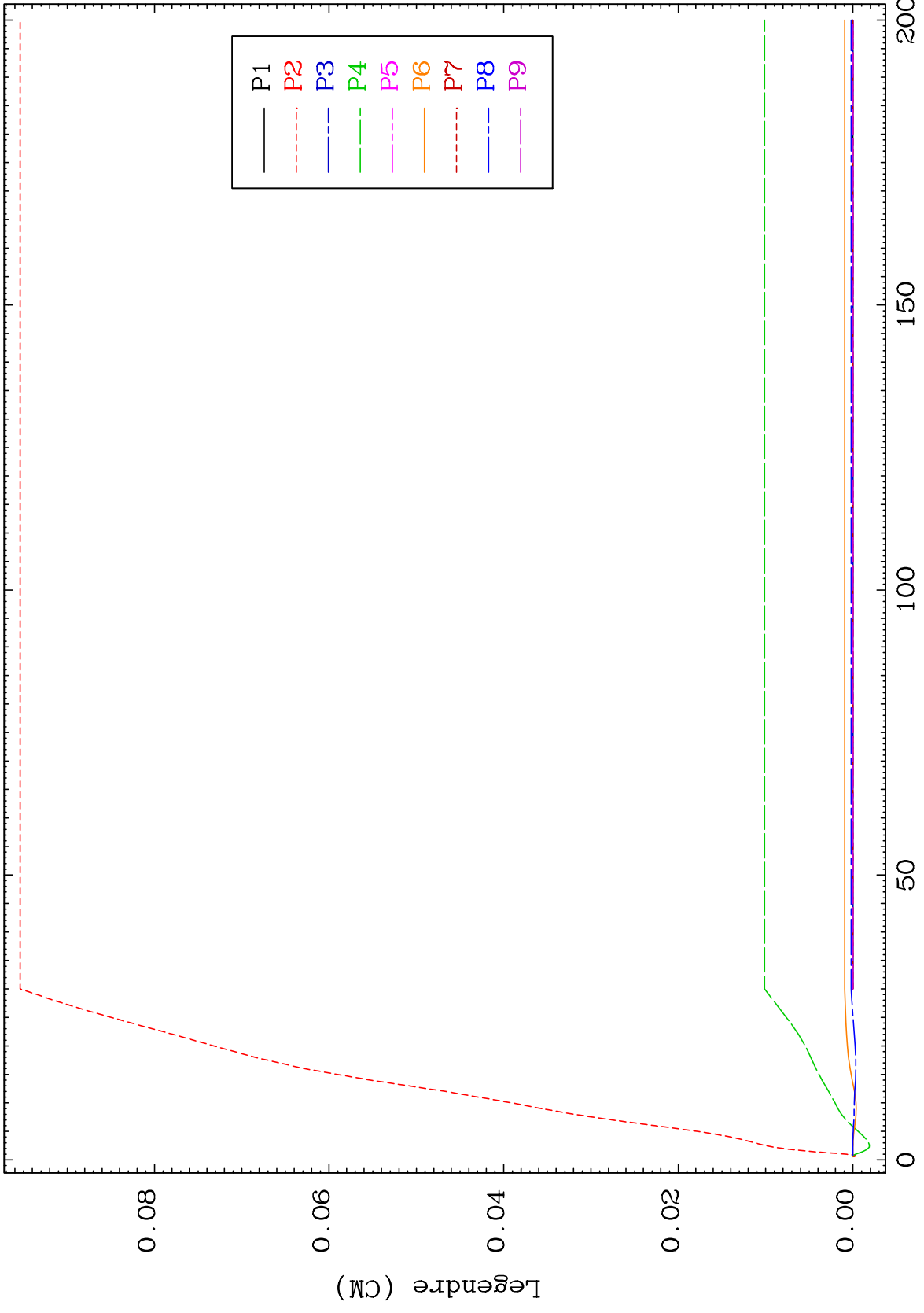
Incident Energy (MeV)

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MAT 2122 MT= 56 (n,n') Level Legendre Coefficients 21-Sc-44

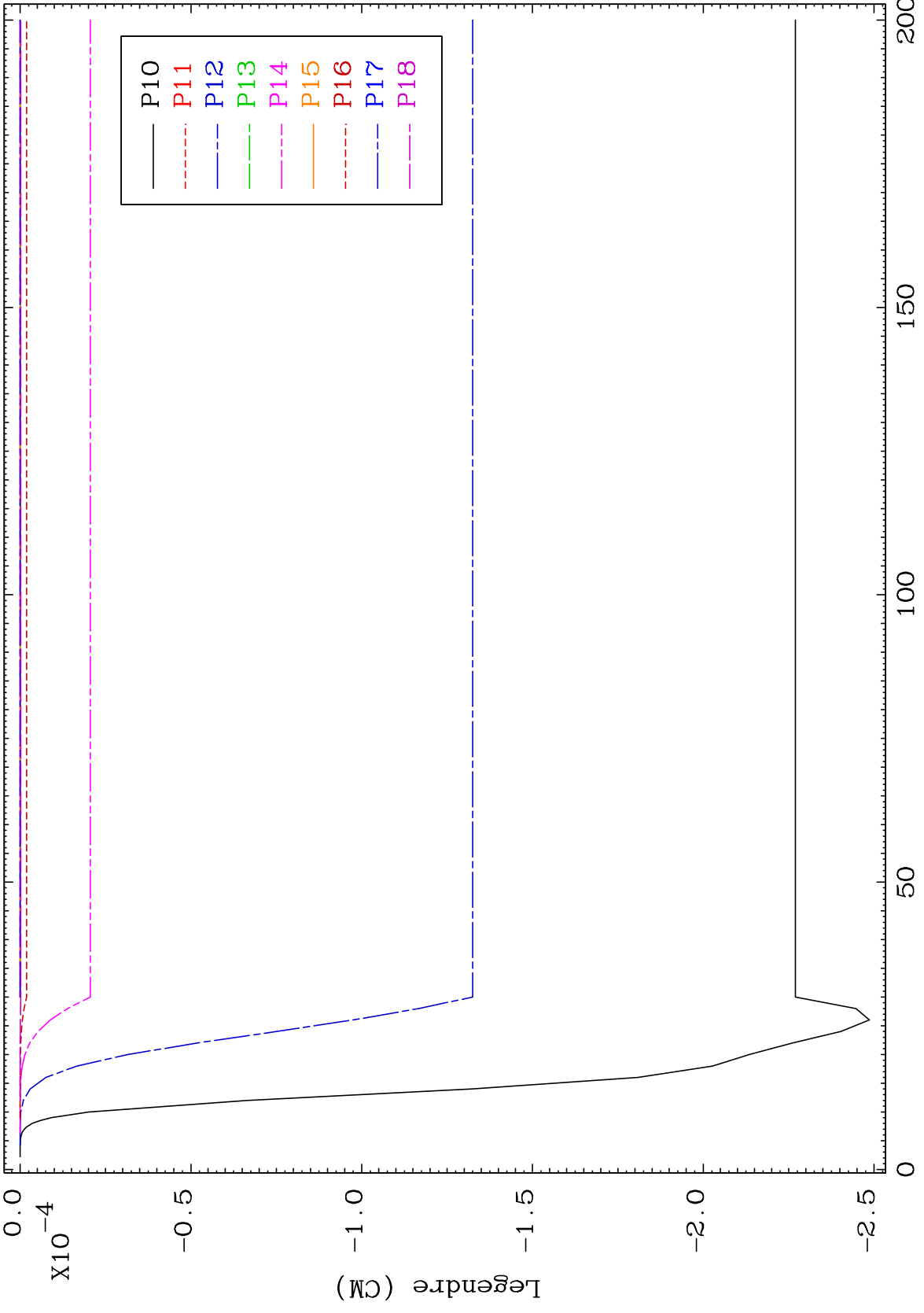


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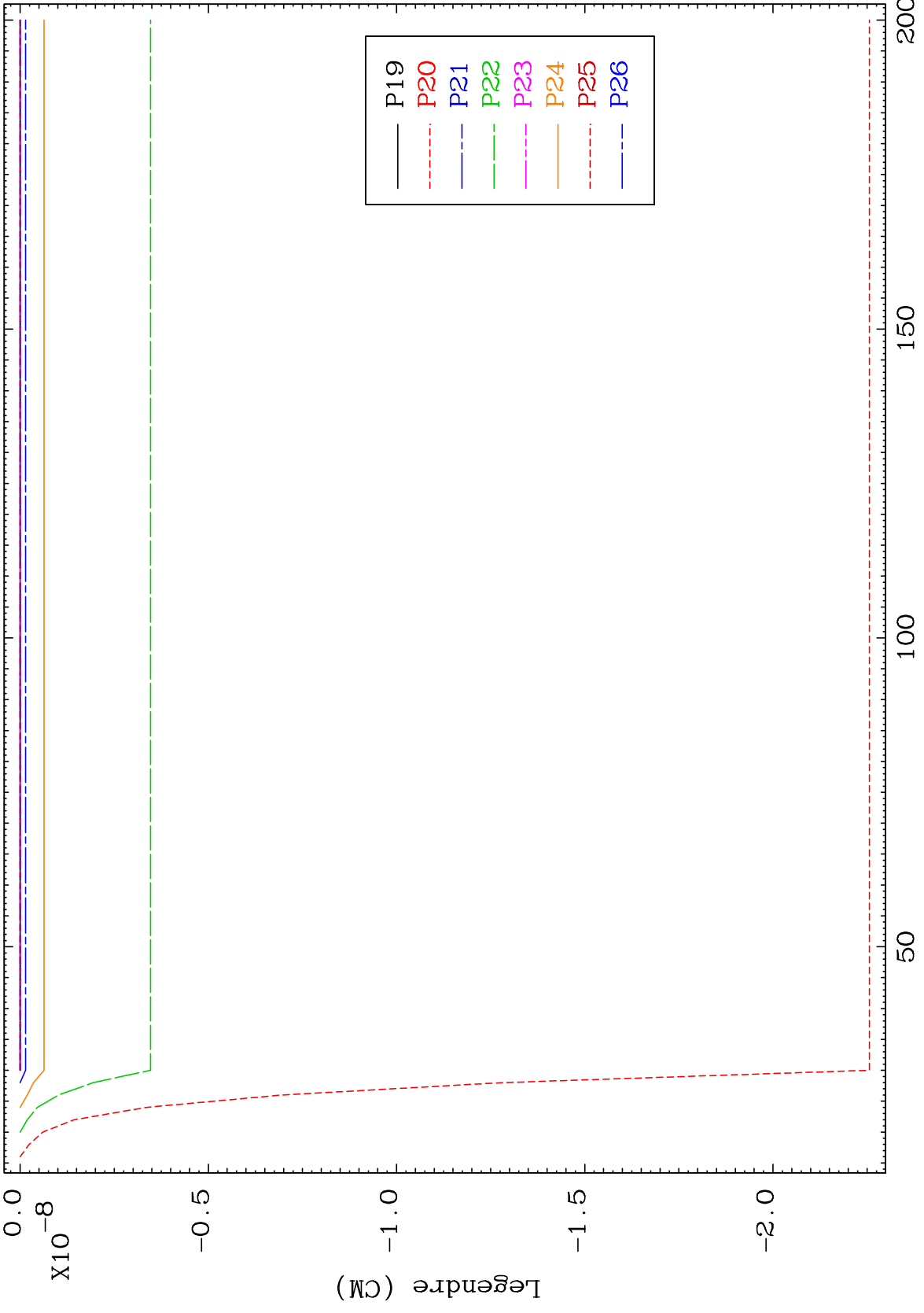
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MAT 2122 MT= 57 (n,n') Level Legendre Coefficients 21-Sc-44



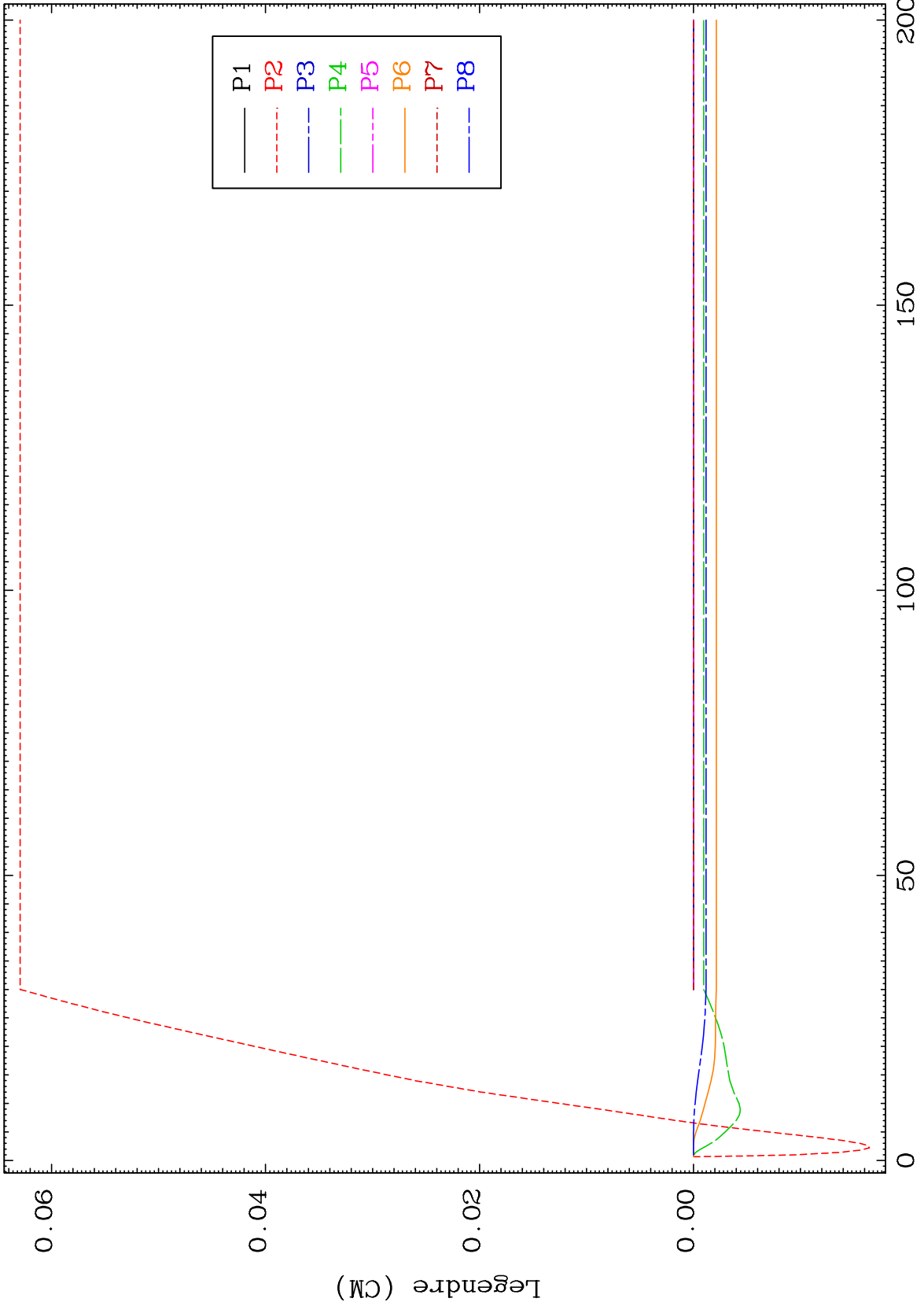
38 21-Sc-44

MAT 2122 MT= 57 (n,n') Level Legendre Coefficients 21-Sc-44



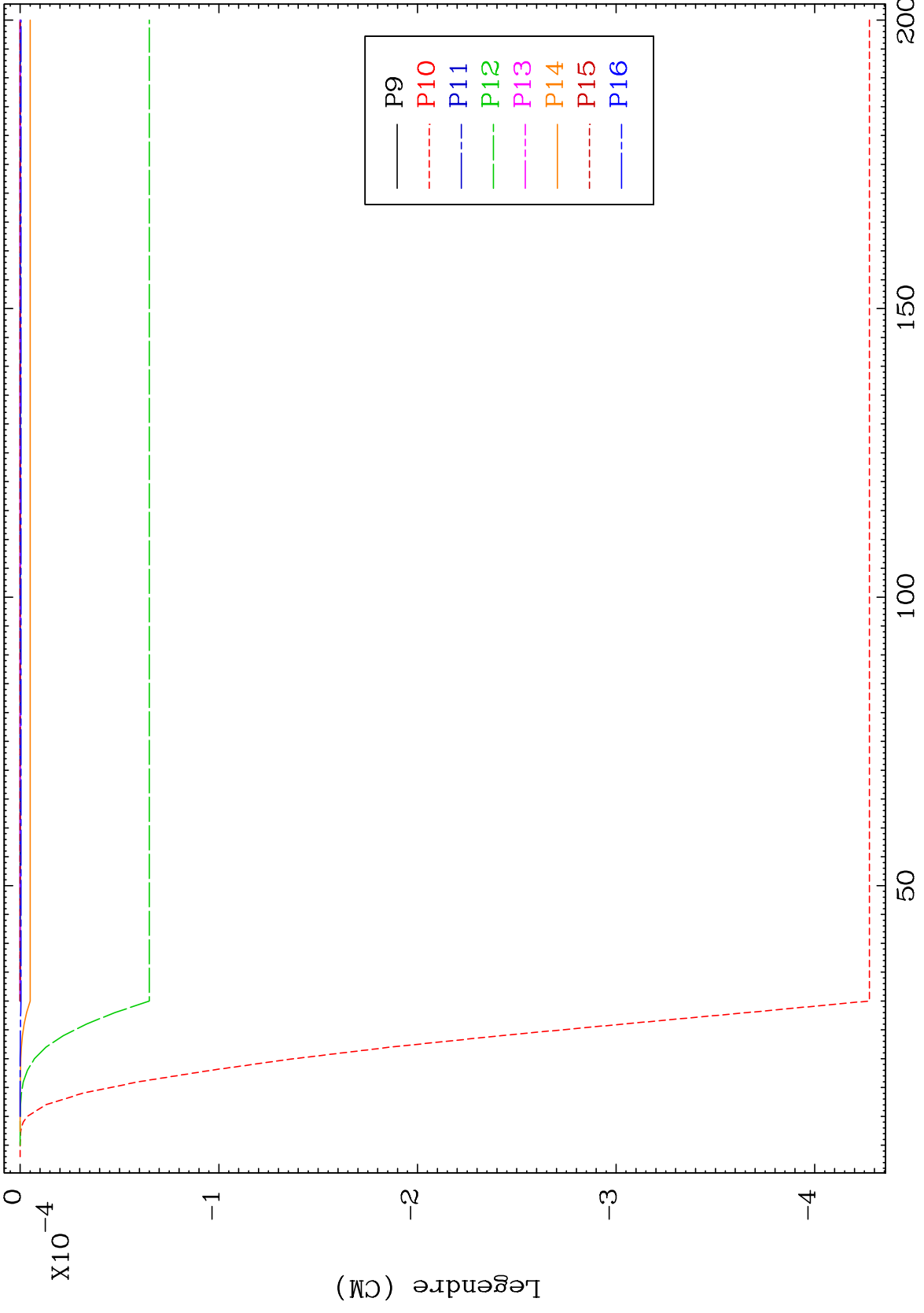


MAT 2122 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-44



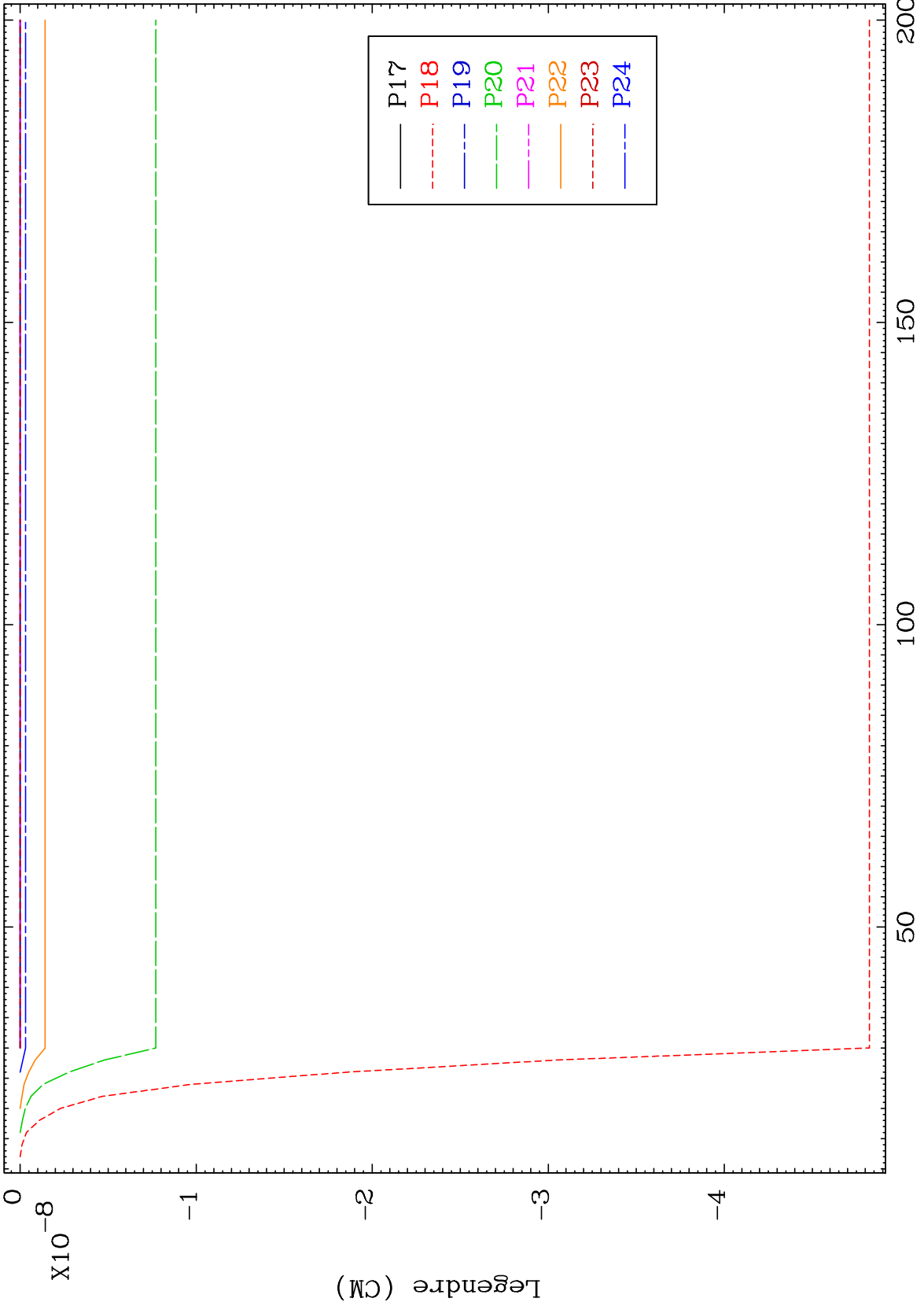
Legendre (CM) Incident Energy (MeV) 21-Sc-44

MAT 2122 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-44

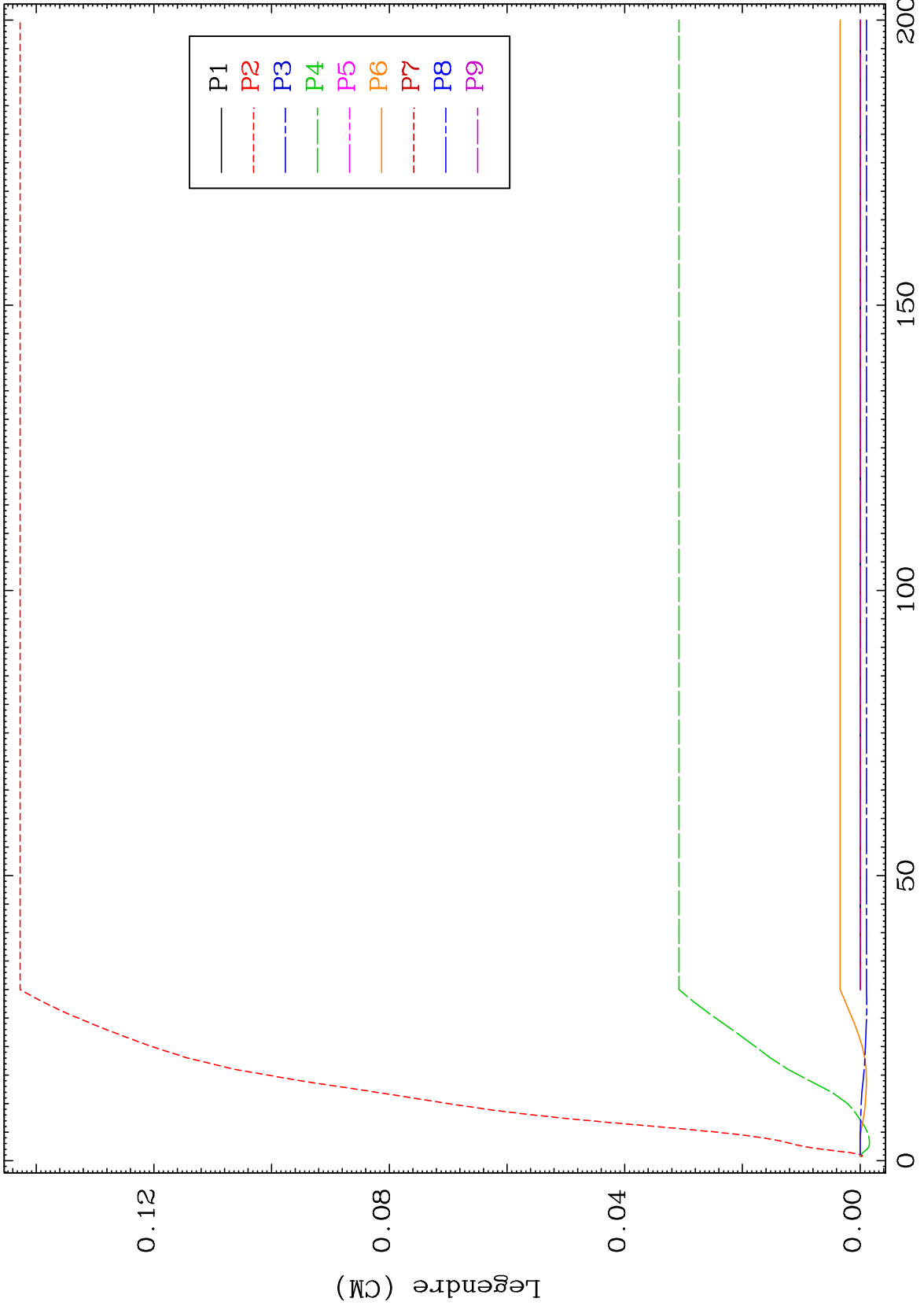


41 Incident Energy (MeV) 21-Sc-44

MAT 2122 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-44

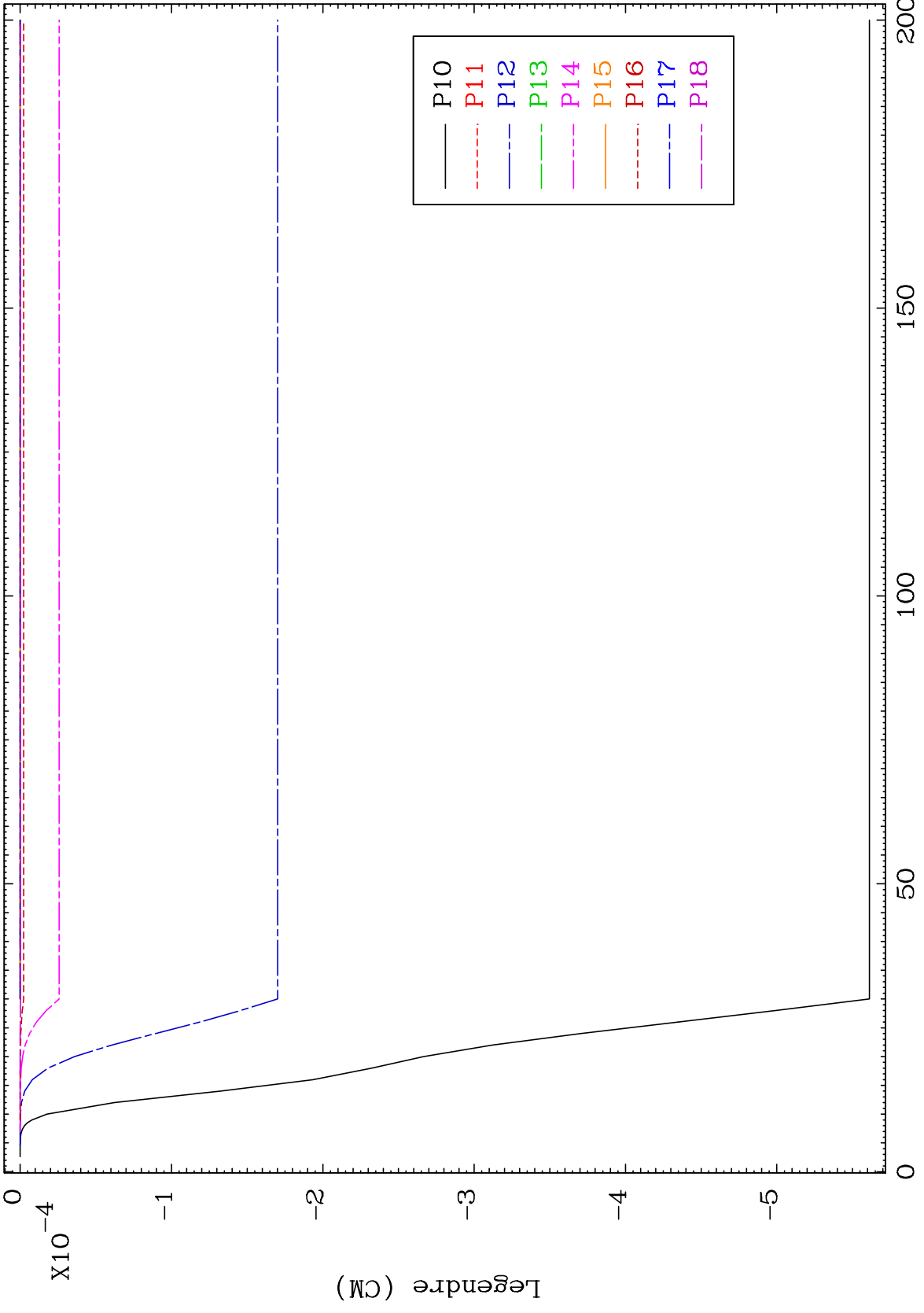


MAT 2122 MT= 59 (n,n') Level Legendre Coefficients 21-Sc-44



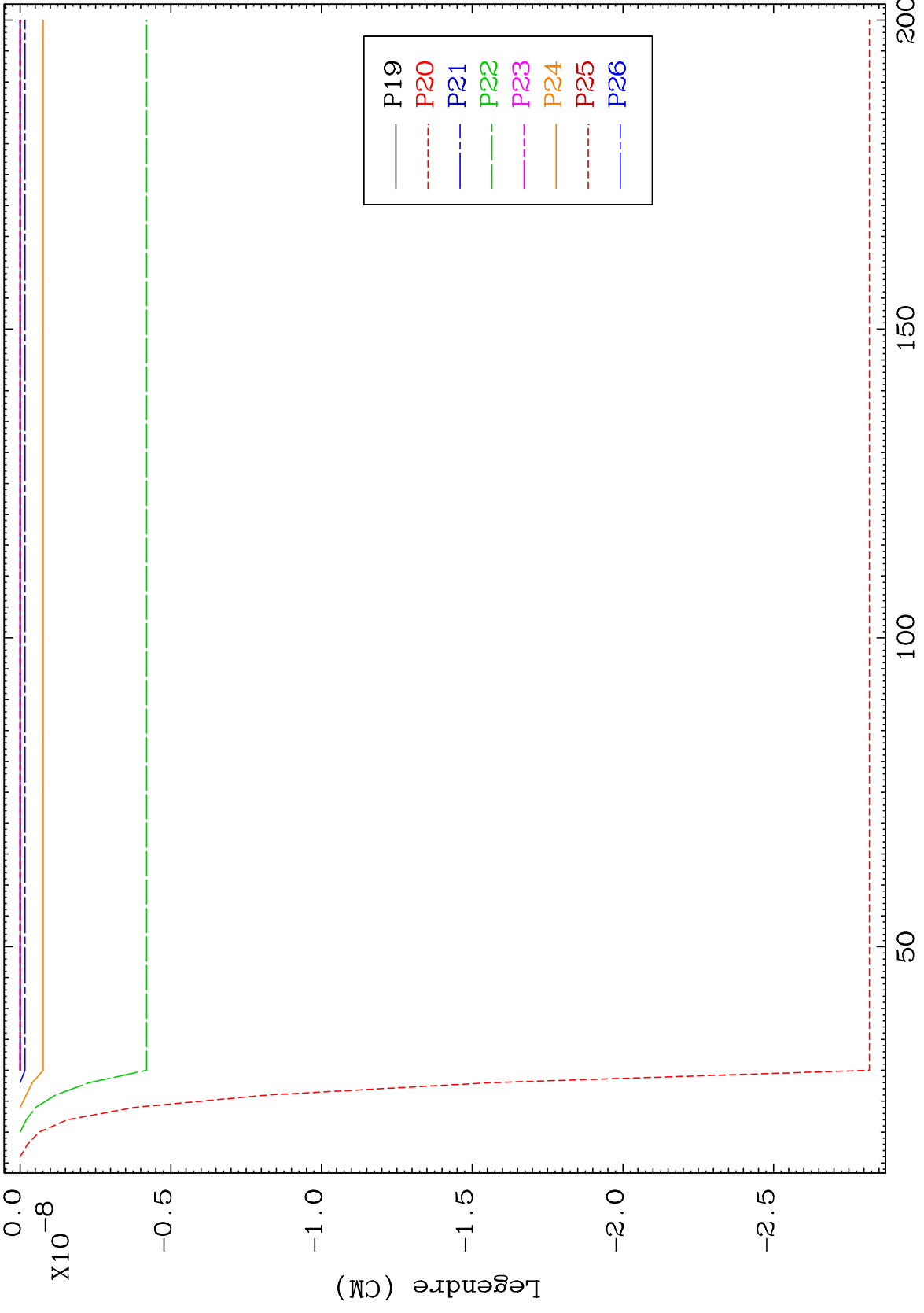
43 21-Sc-44

MAT 2122 MT= 59 (n,n') Level Legendre Coefficients 21-Sc-44

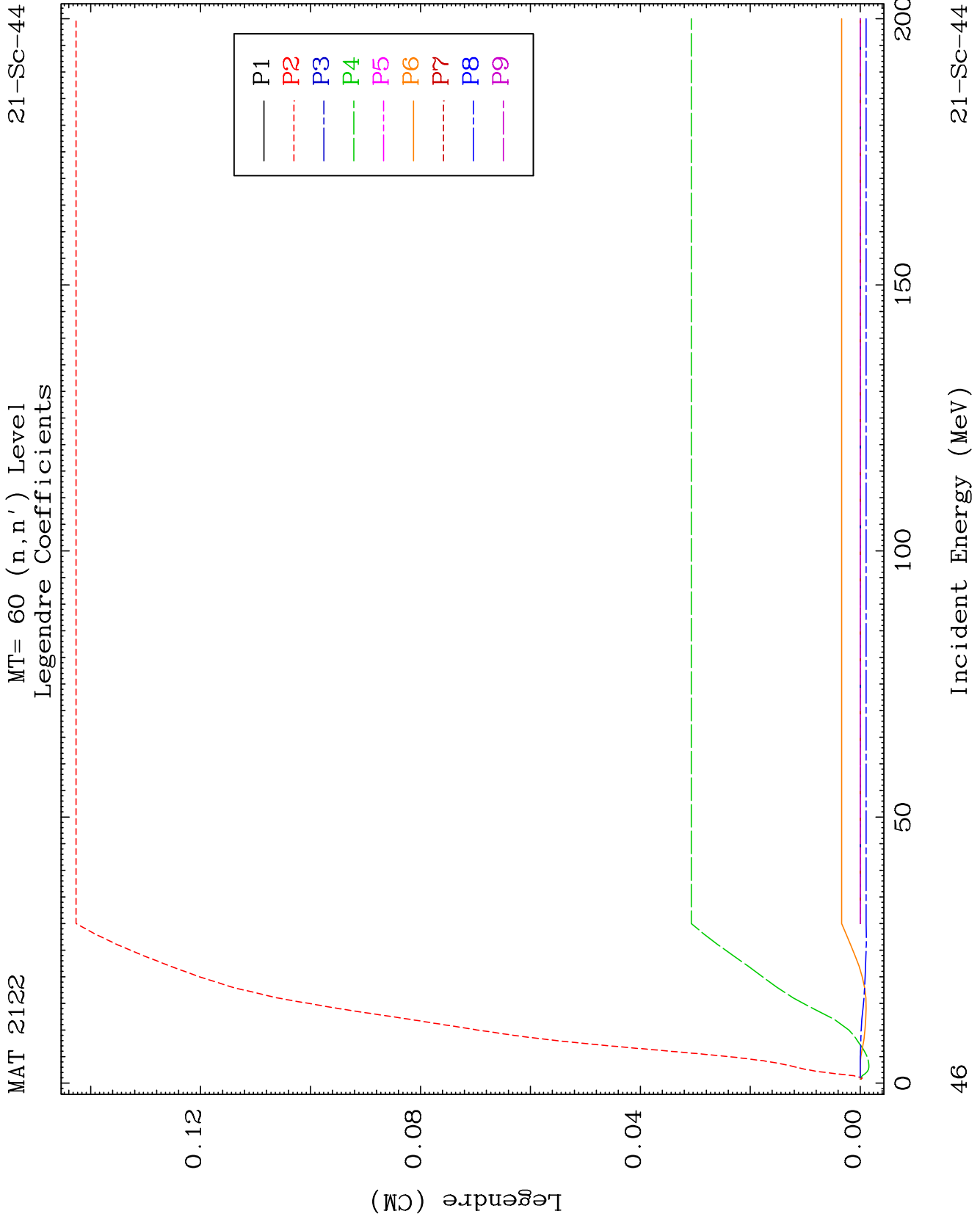


44 21-Sc-44

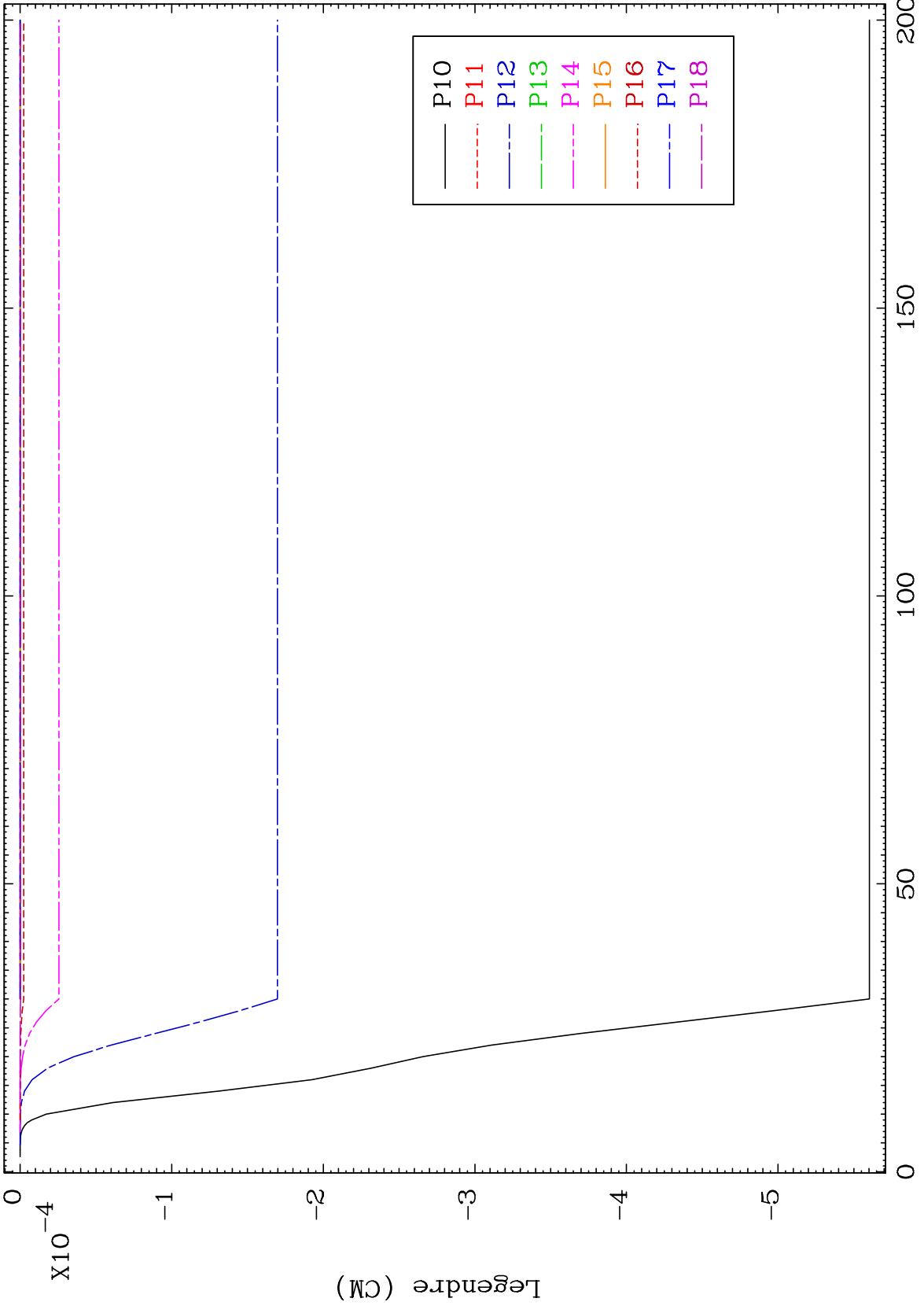
MAT 2122 MT= 59 (n,n') Level Legendre Coefficients 21-Sc-44



45 Incident Energy (MeV) 21-Sc-44



MAT 2122 MT= 60 (n,n') Level Legendre Coefficients 21-Sc-44

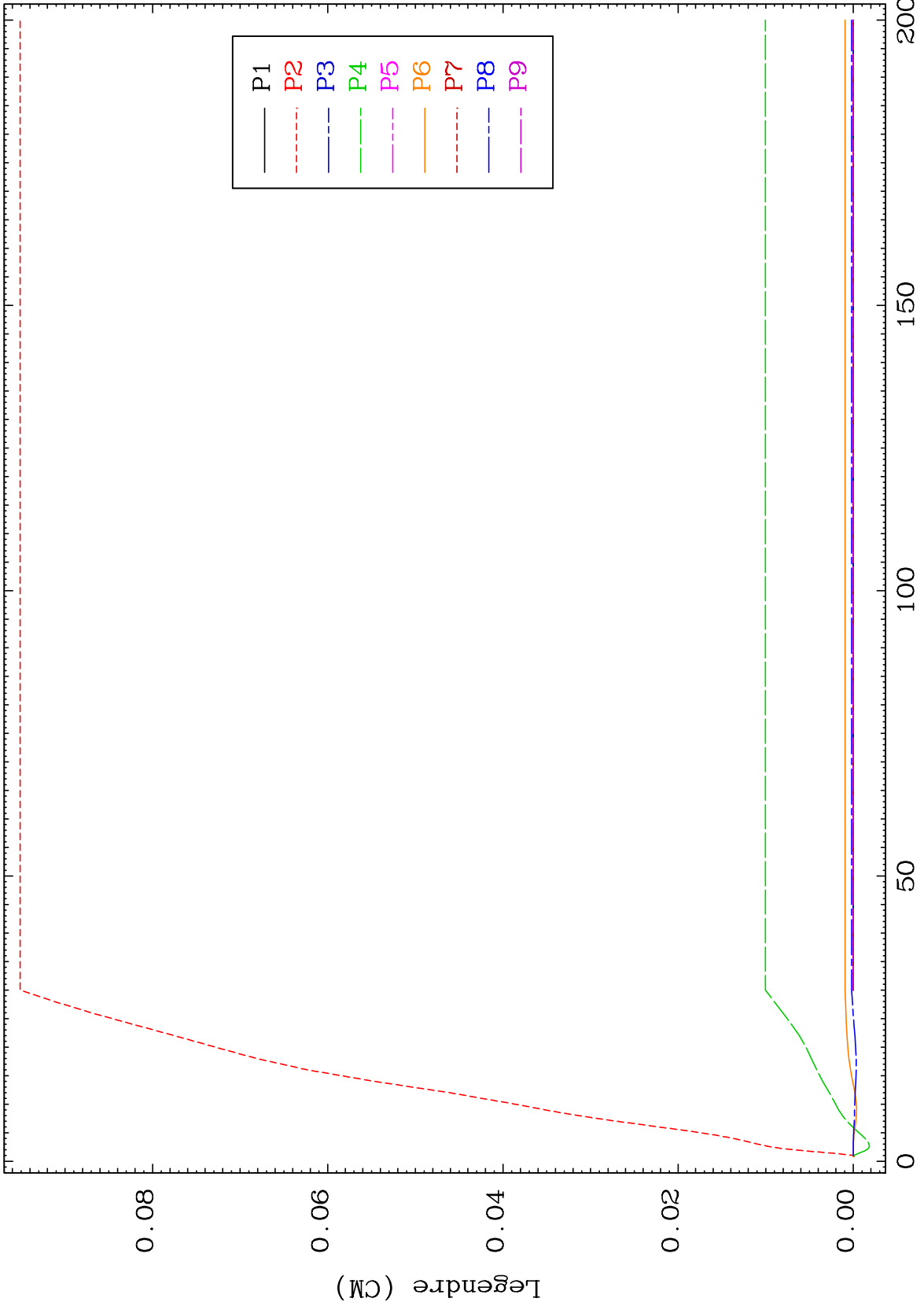


47 21-Sc-44



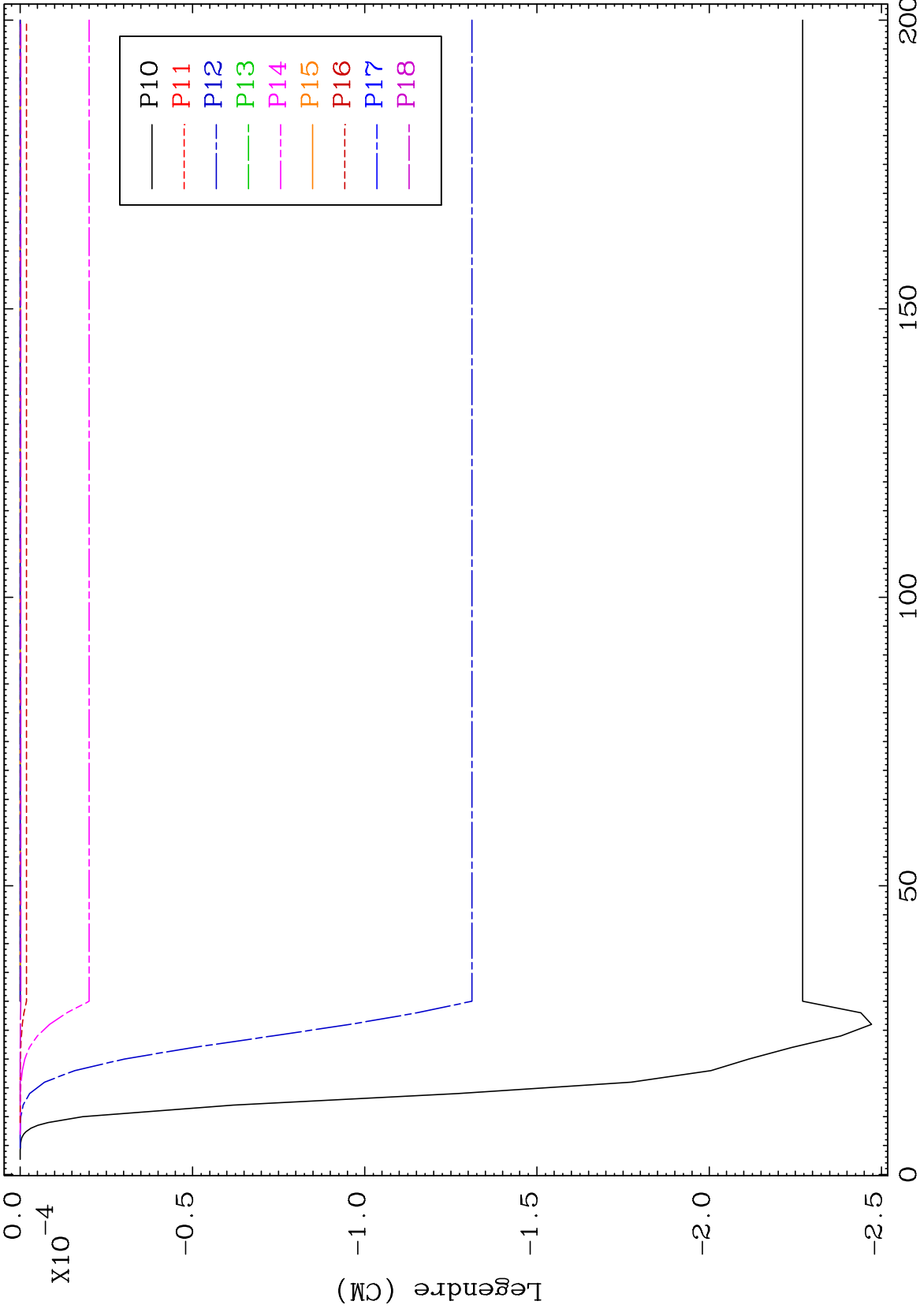


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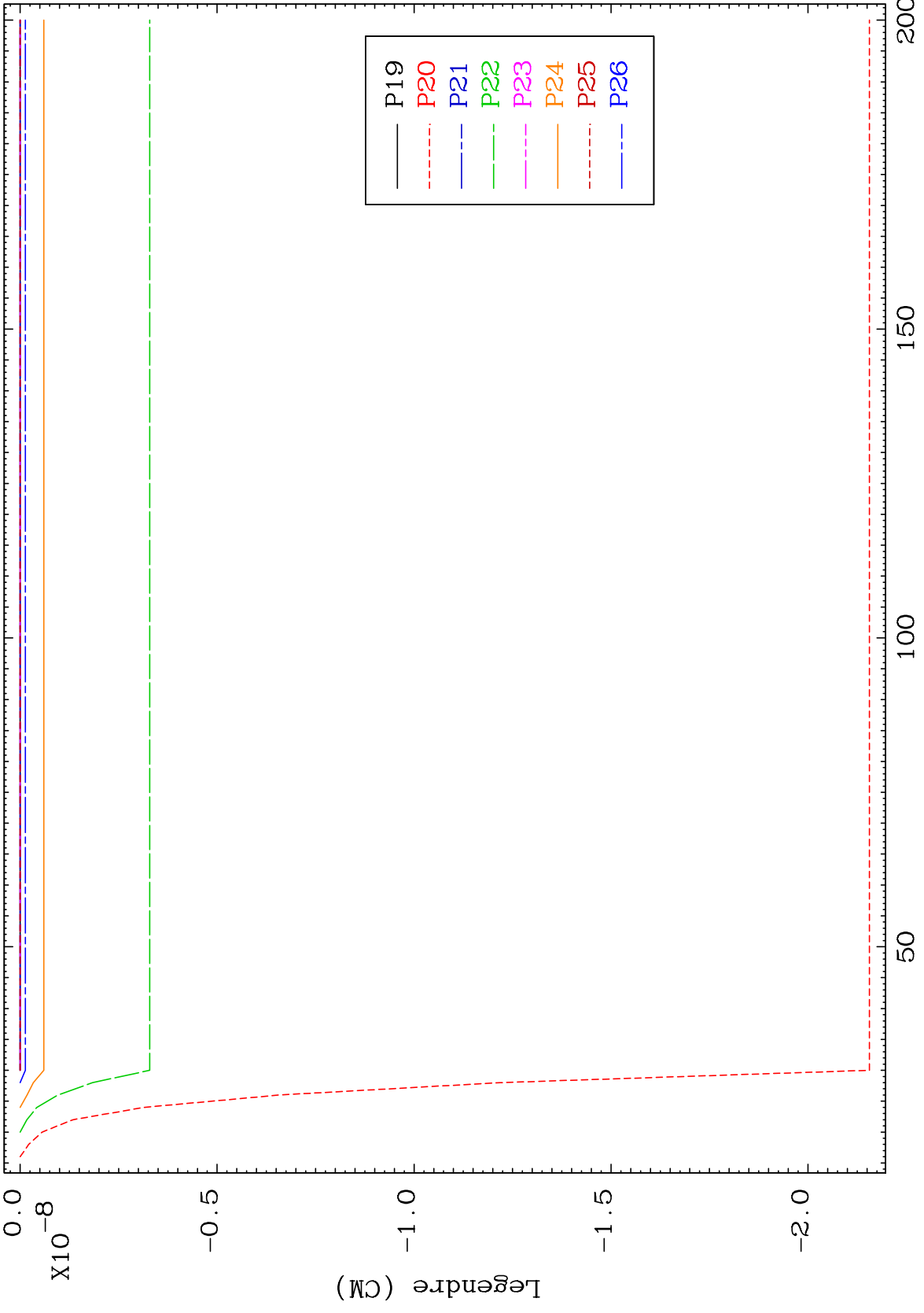
49 Incident Energy (MeV) 21-Sc-44

MAT 2122 MT= 61 (n,n') Level Legendre Coefficients 21-Sc-44

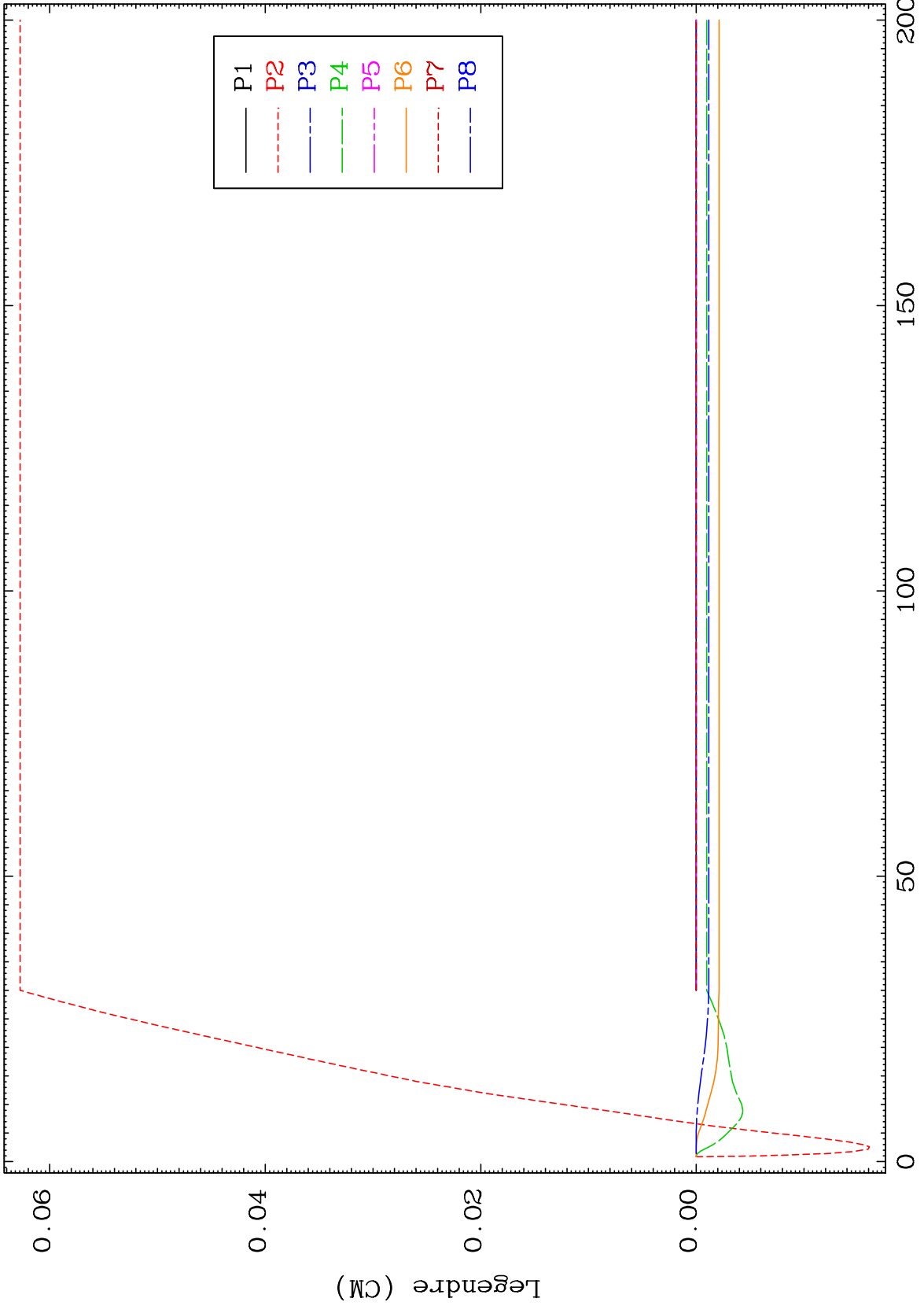


21-Sc-44

MAT 2122 MT= 61 (n,n') Level Legendre Coefficients 21-Sc-44

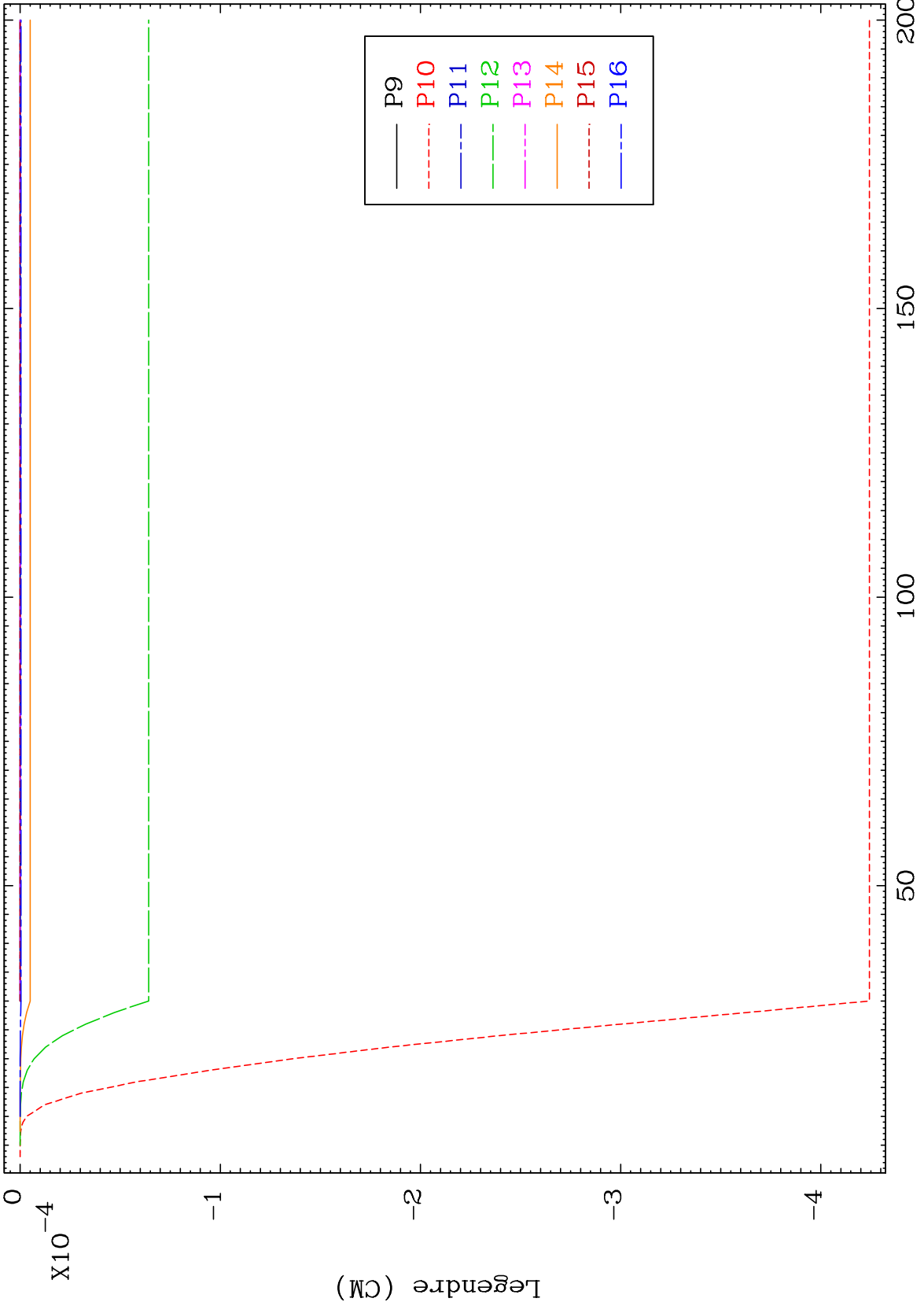


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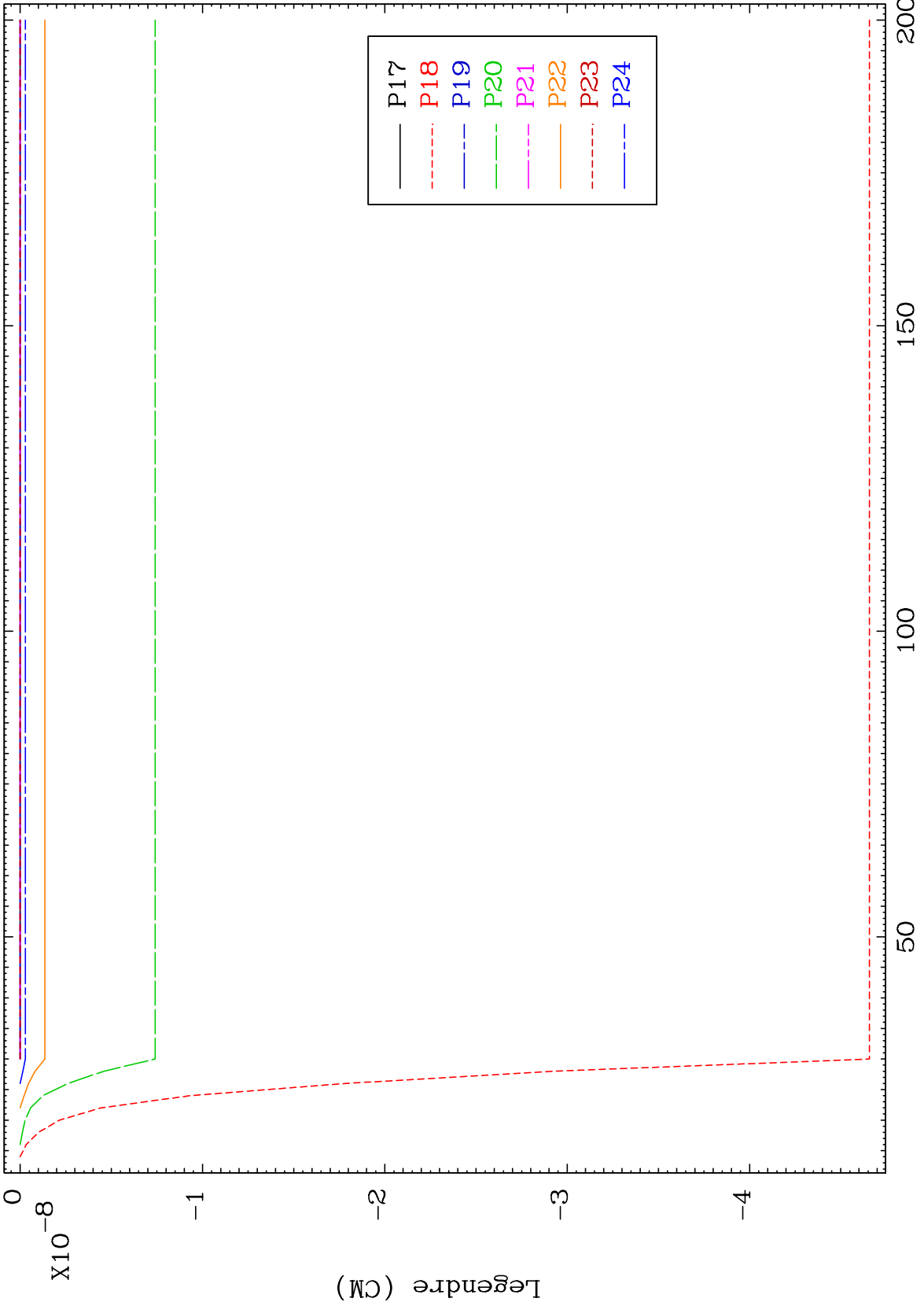


52 Incident Energy (MeV) 21-Sc-44

MAT 2122 MT= 62 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122 MT= 62 (n,n') Level Legendre Coefficients 21-Sc-44

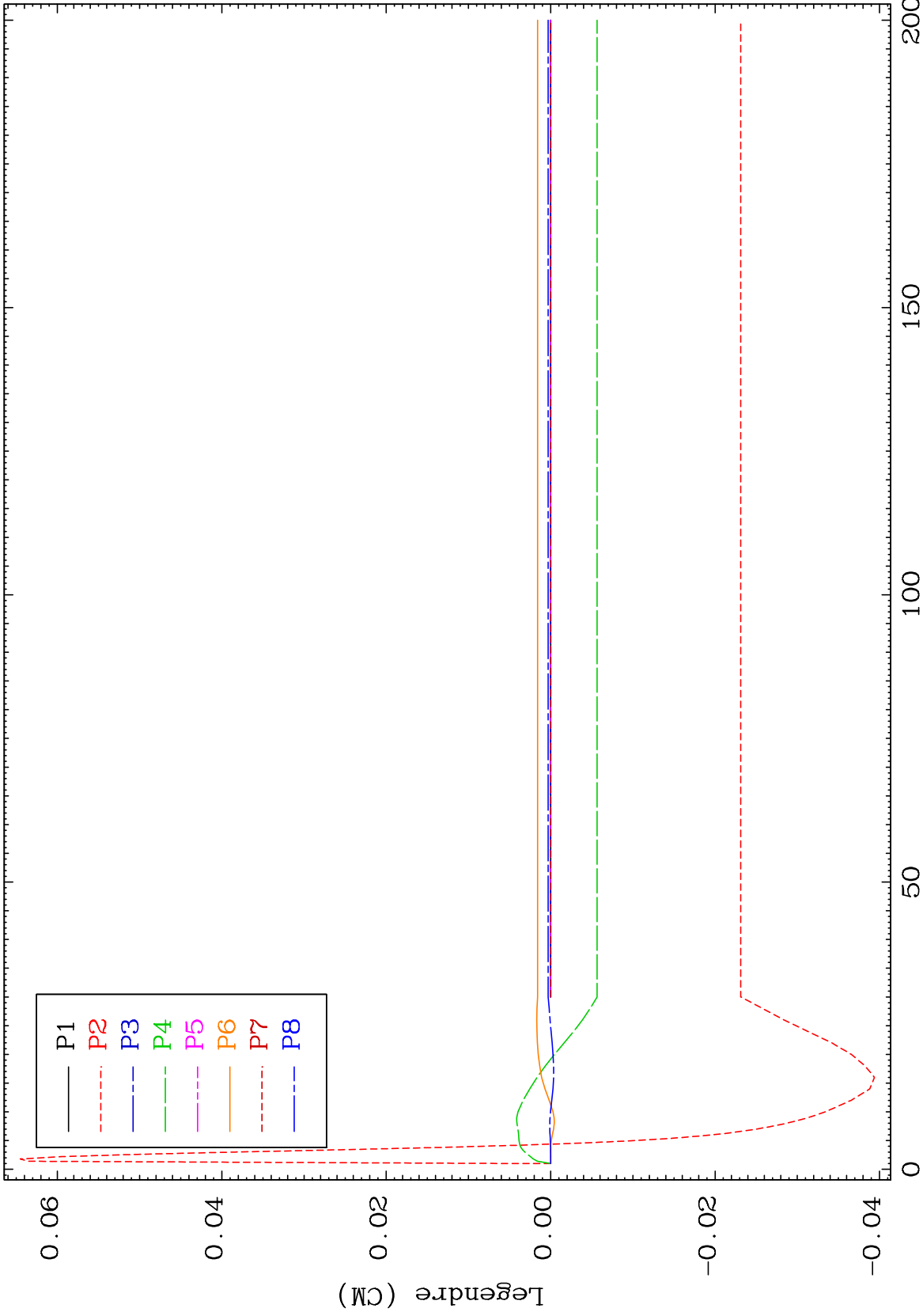


54 Incident Energy (MeV) 21-Sc-44

MAT 2122

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

21-Sc-44



55

Incident Energy (MeV)

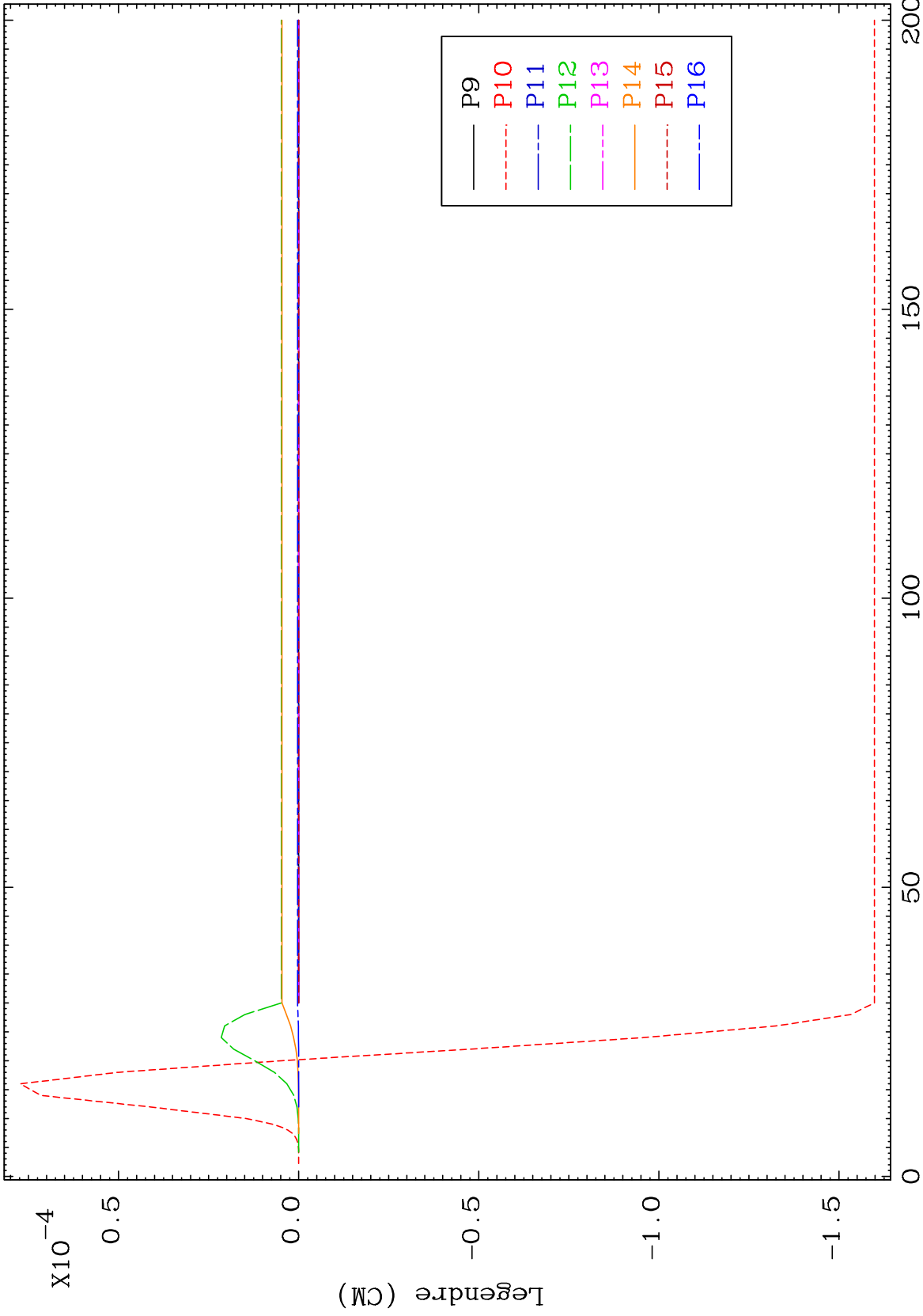
21-Sc-44



MAT 2122

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

21-Sc-44

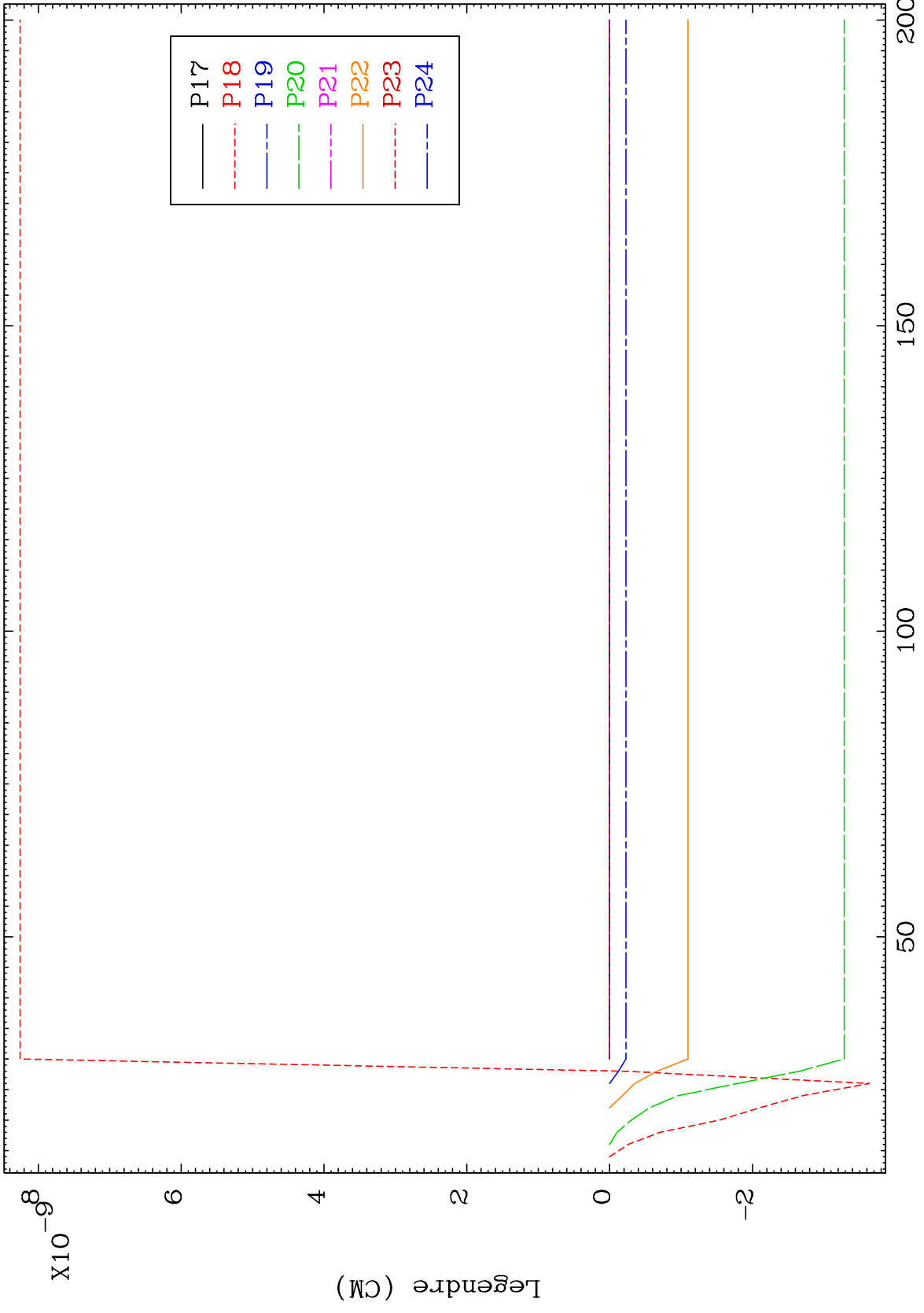


56

Incident Energy (MeV)

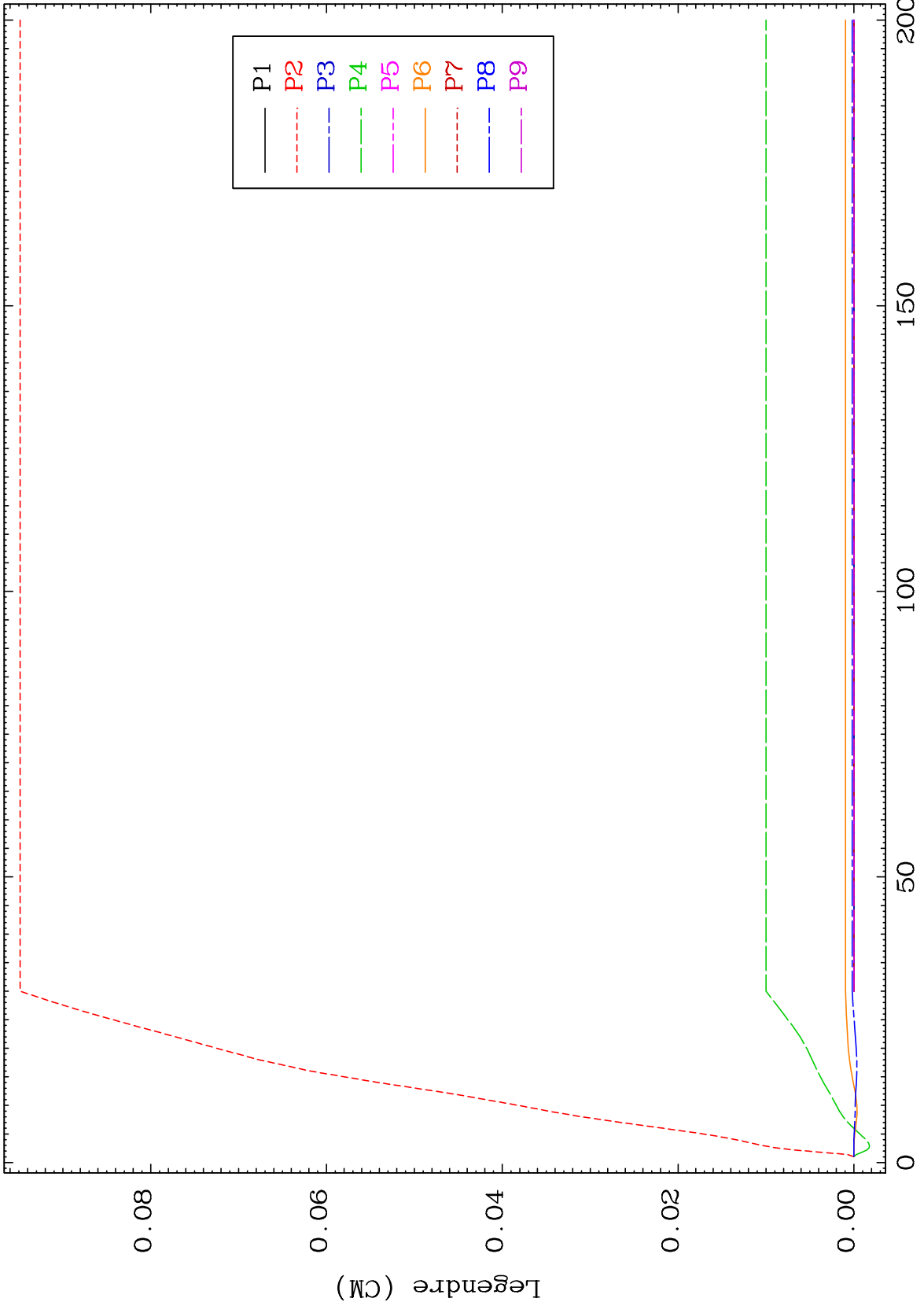
21-Sc-44

MAT 2122 MT= 63 (n,n') Level Legendre Coefficients 21-Sc-44



57 Incident Energy (MeV) 200 21-Sc-44

MAT 2122 MT= 64 (n,n') Level Legendre Coefficients 21-Sc-44

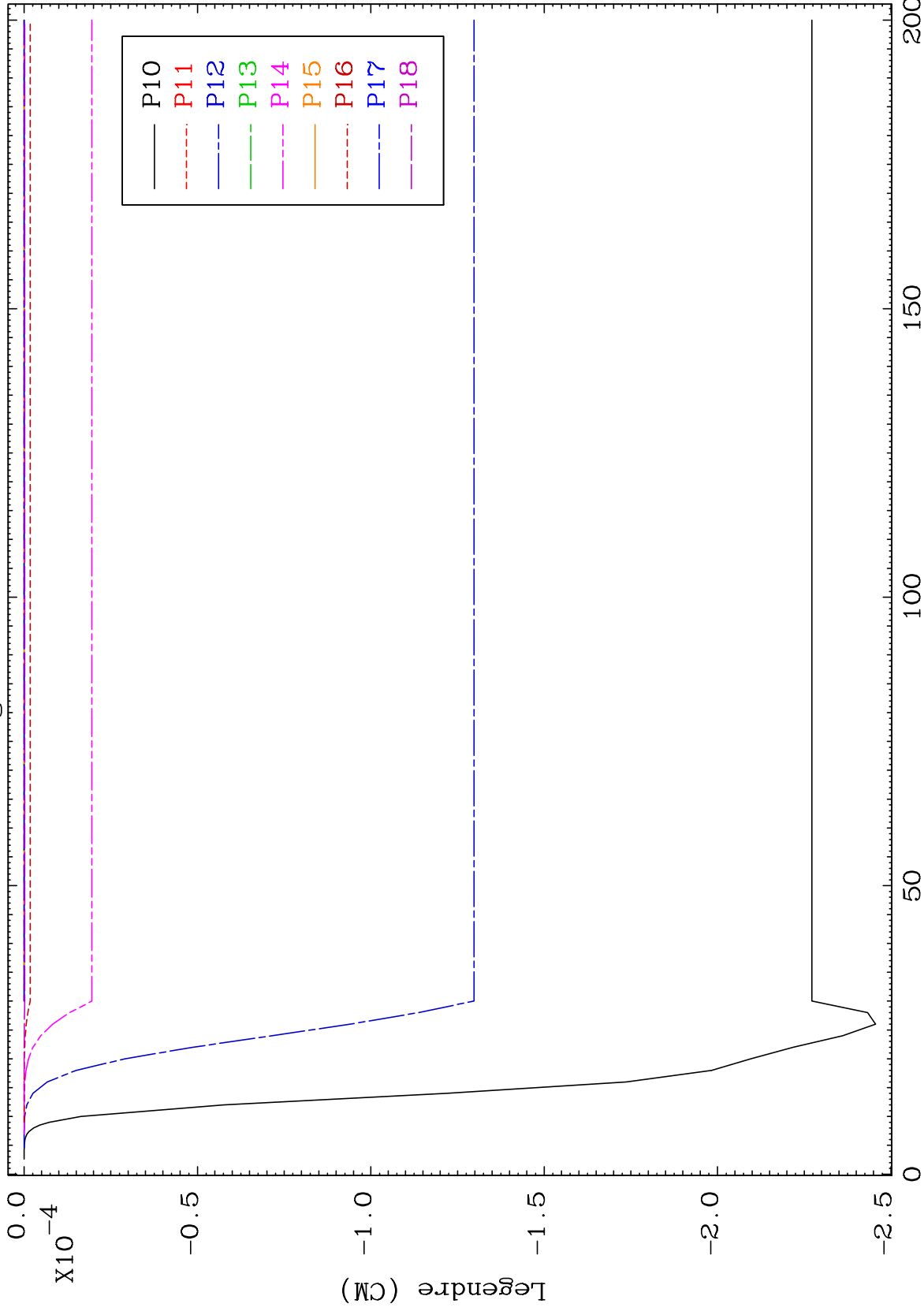


58 21-Sc-44

MAT 2122

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

21-Sc-44



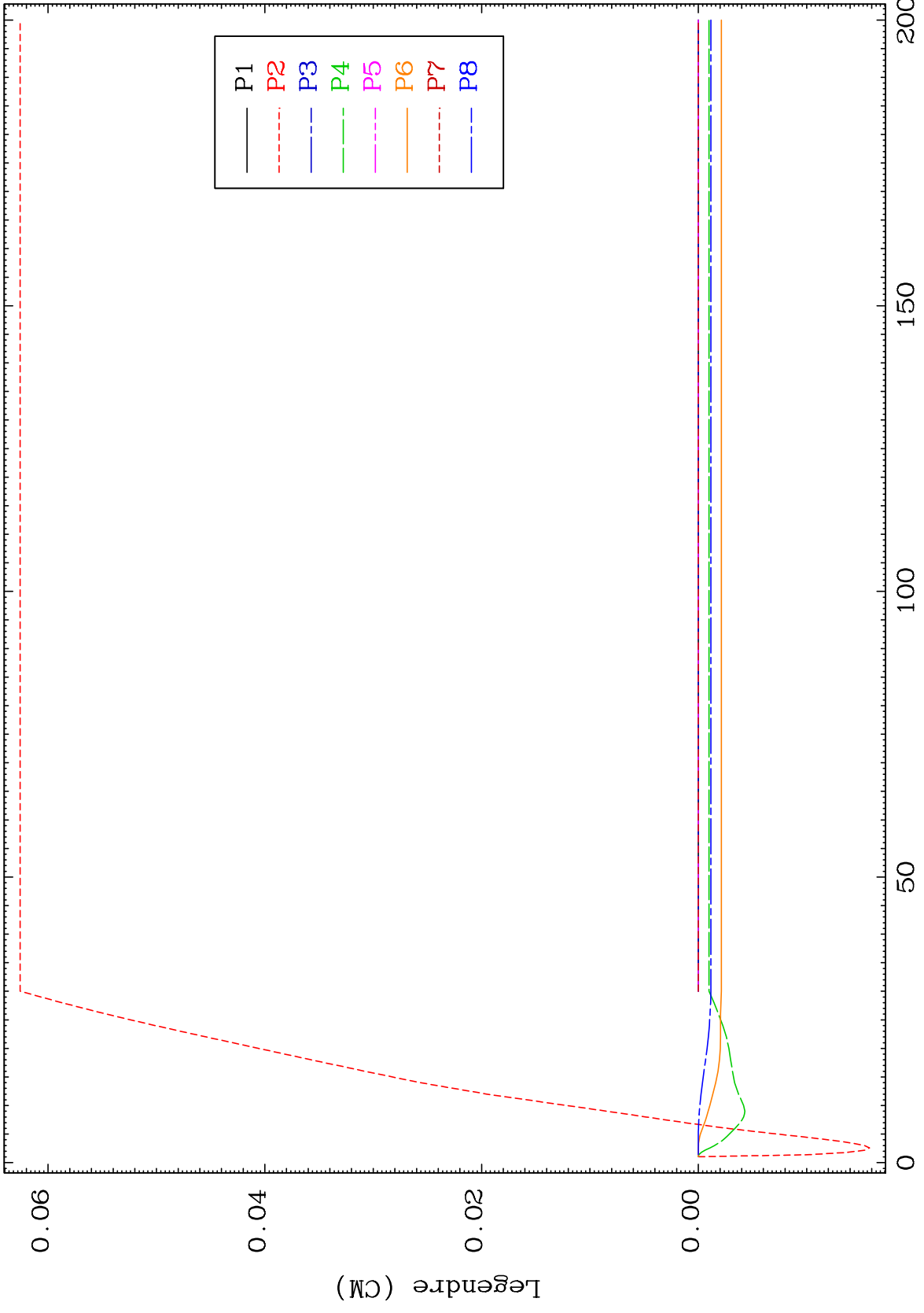
59

Incident Energy (MeV)

21-Sc-44

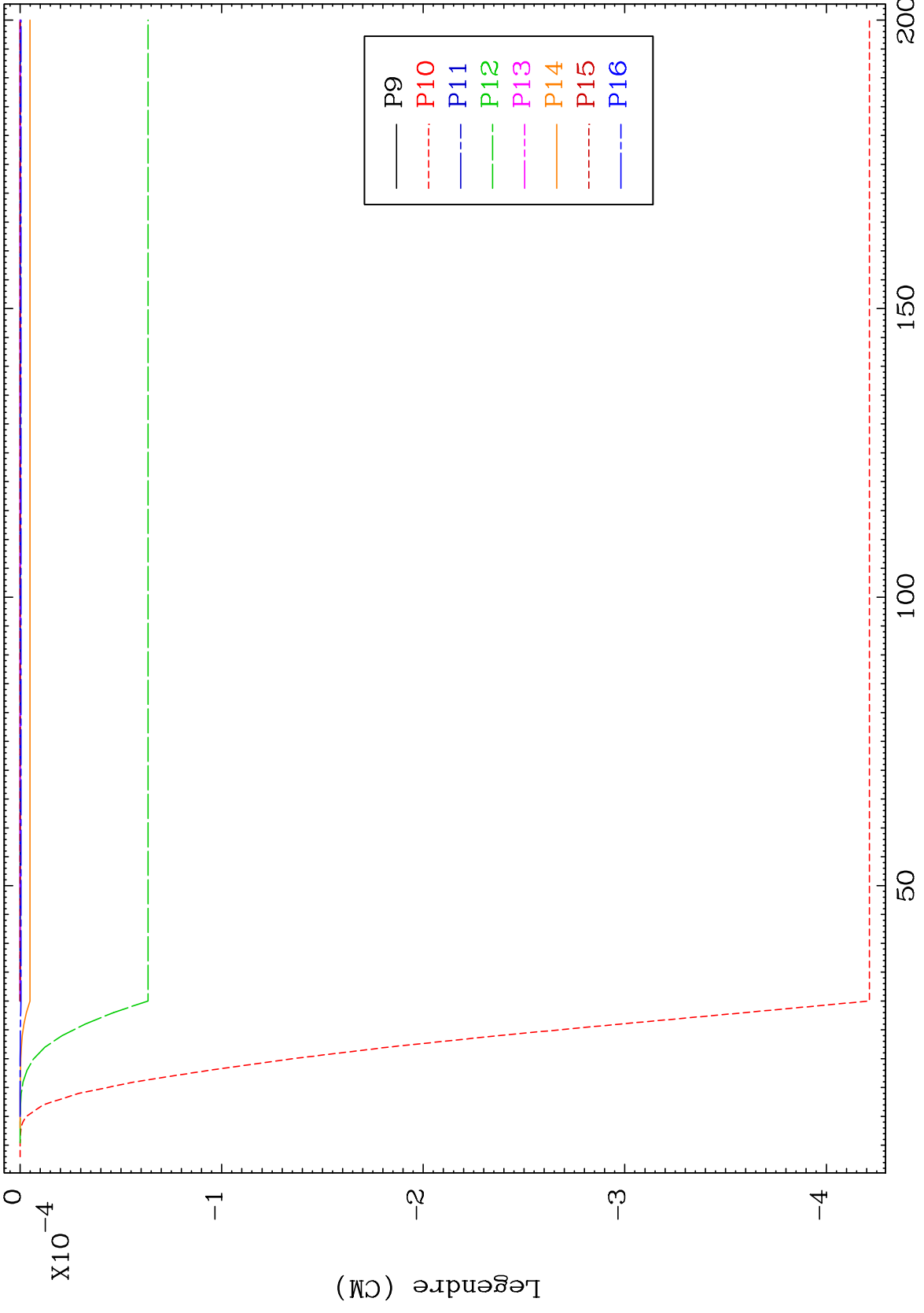


MAT 2122 MT= 65 (n,n') Level Legendre Coefficients 21-Sc-44

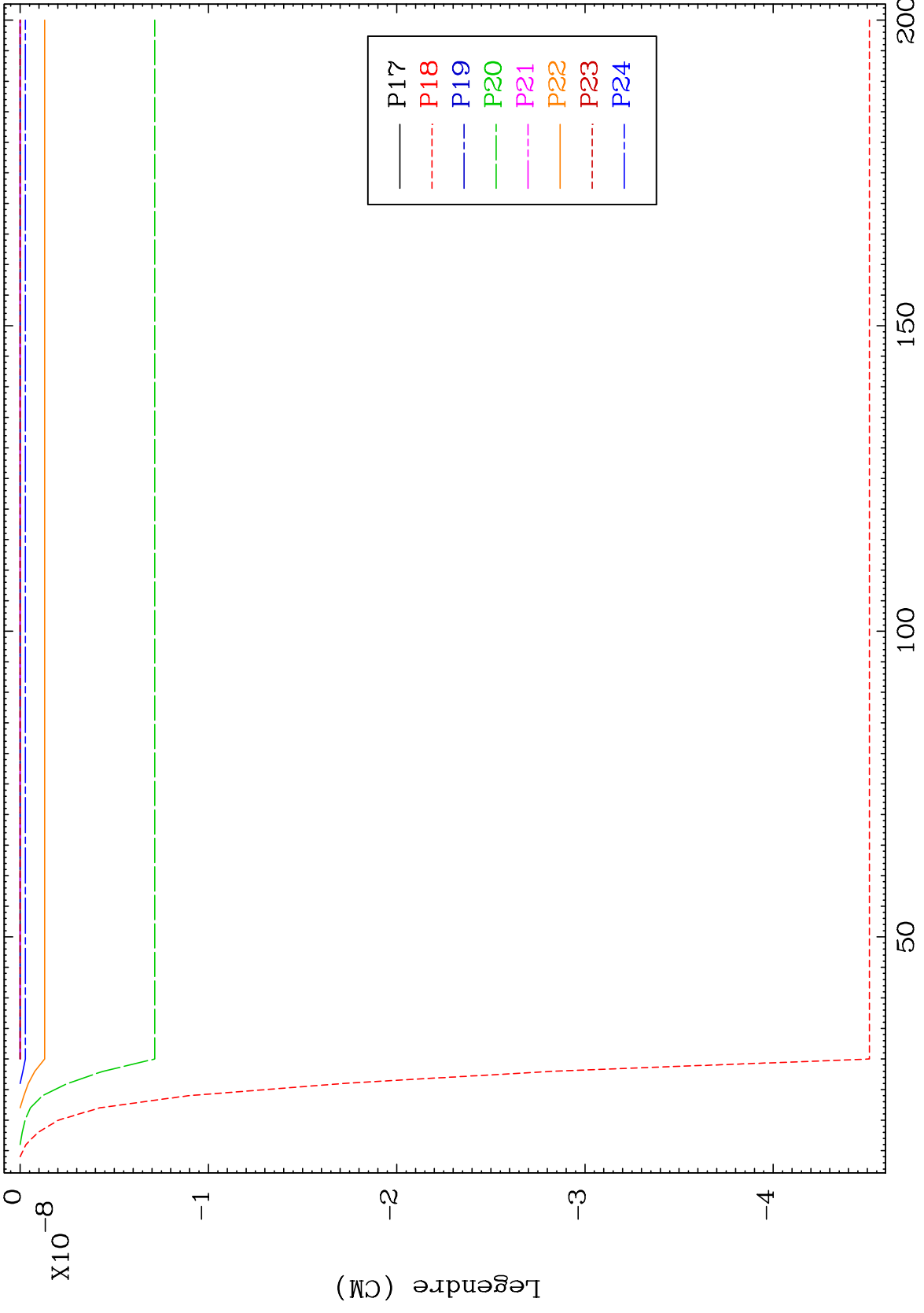


61 21-Sc-44

MAT 2122 MT= 65 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122 MT= 65 (n,n') Level Legendre Coefficients 21-Sc-44



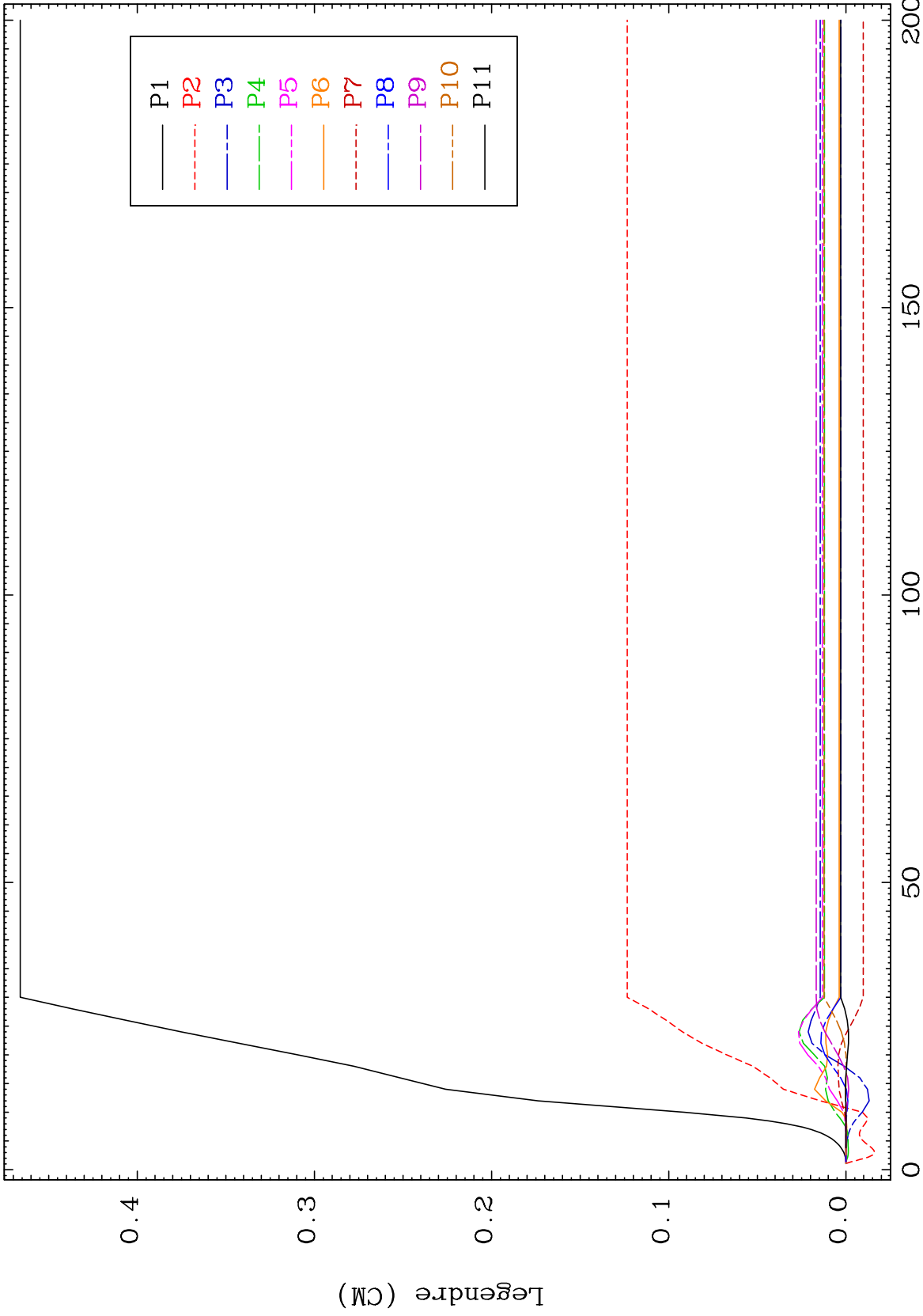
63 21-Sc-44



MAT 2122

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

21-Sc-44



64

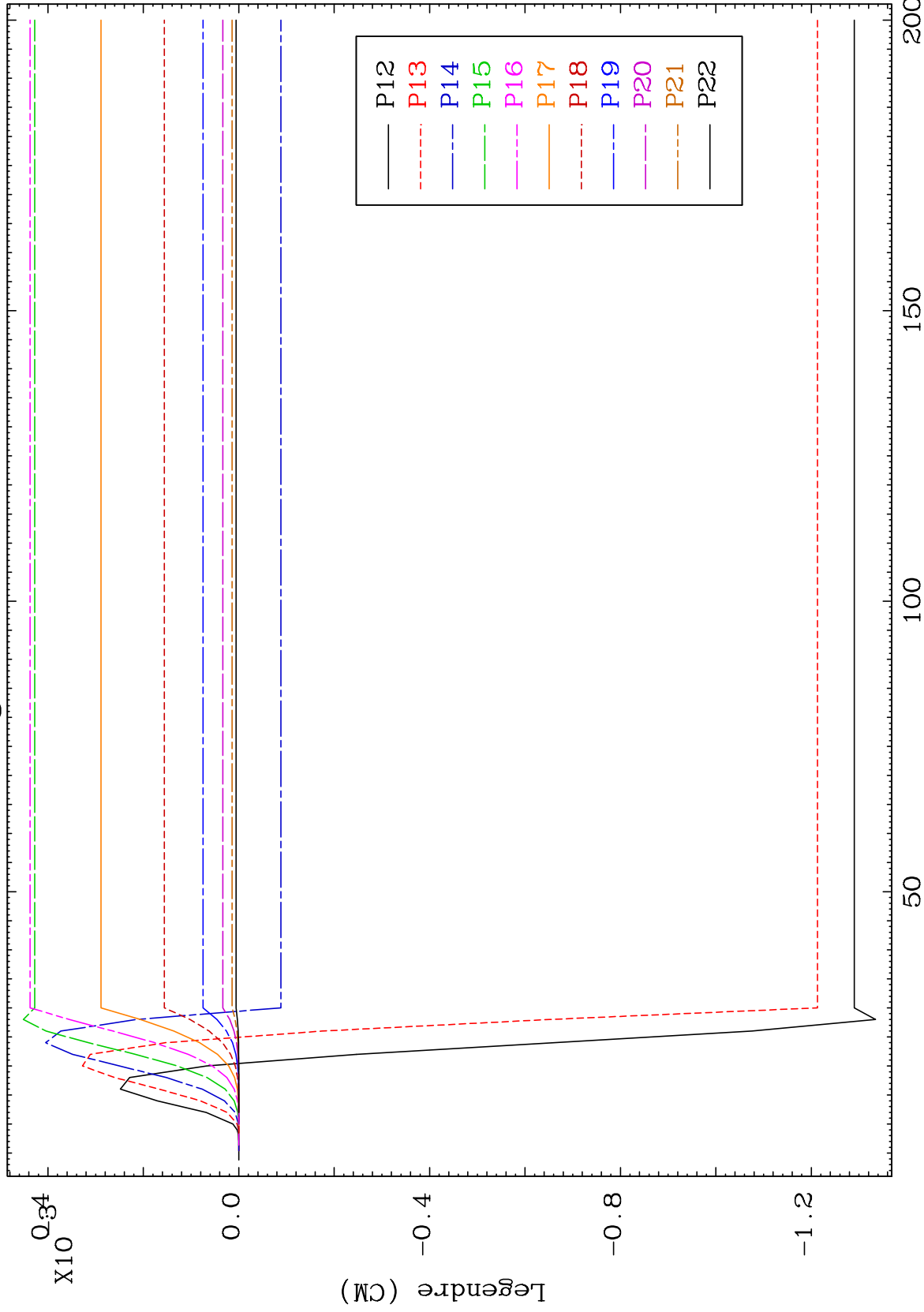
Incident Energy (MeV)

21-Sc-44

MAT 2122

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

21-Sc-44



65

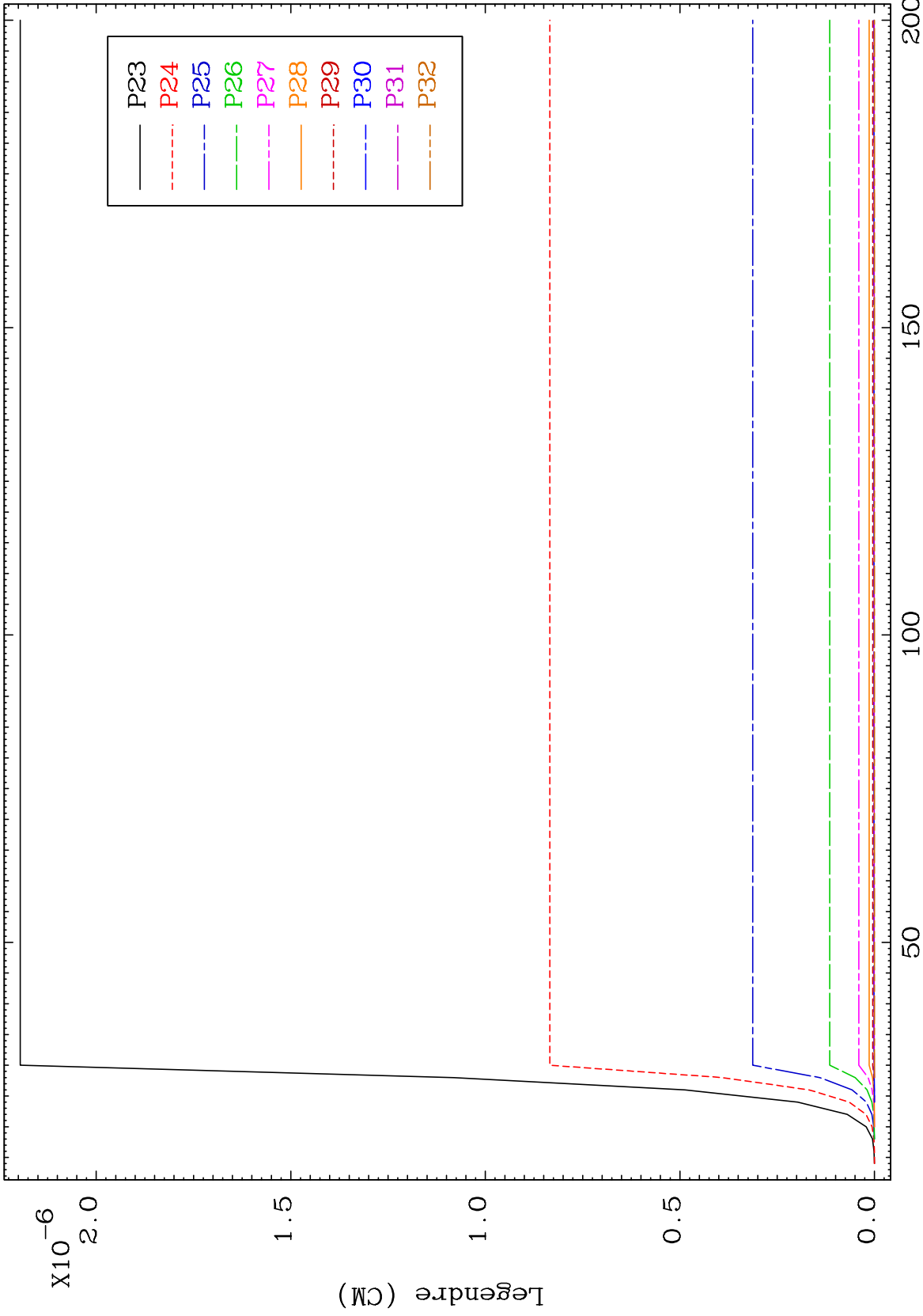
Incident Energy (MeV)

21-Sc-44

MAT 2122

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

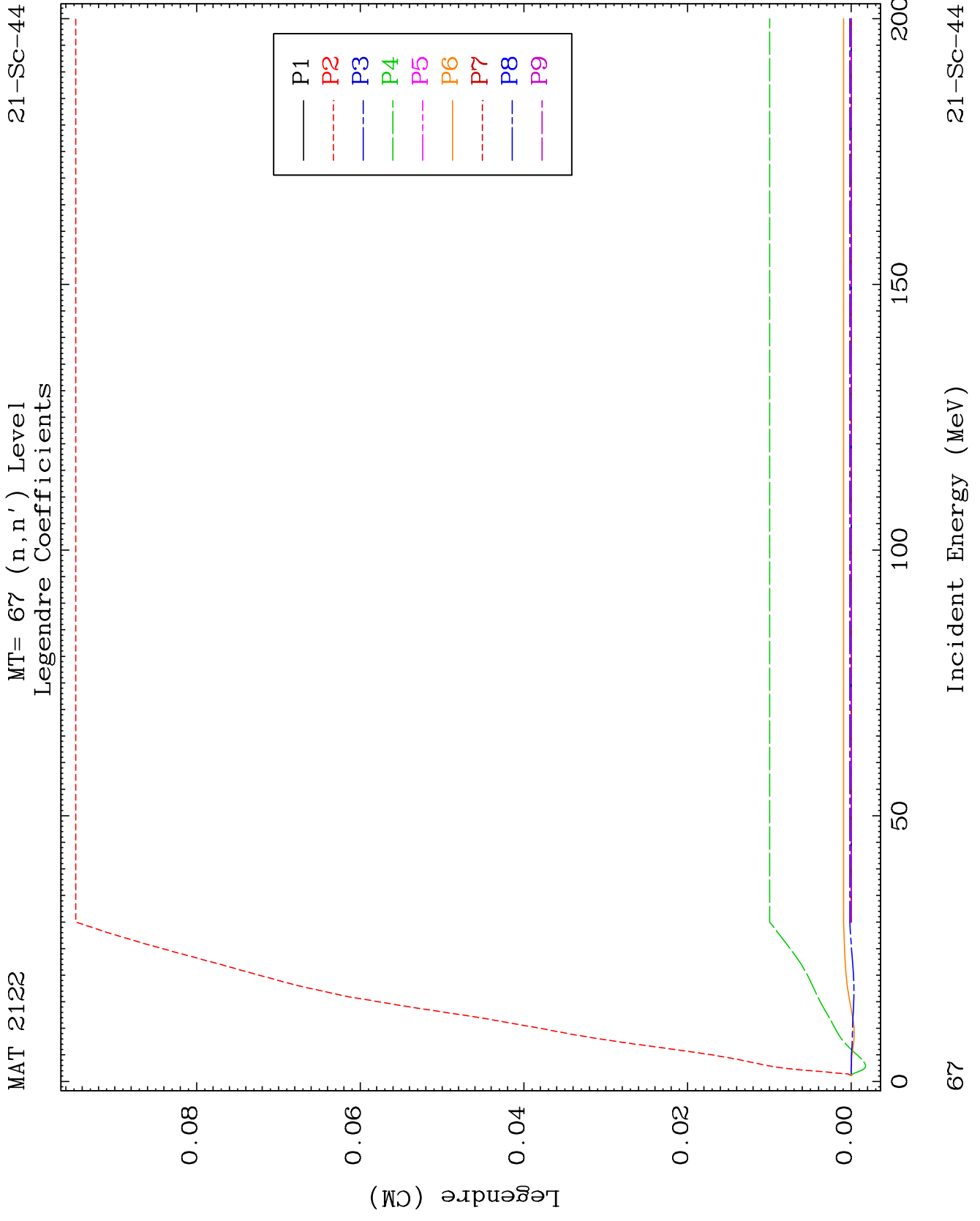
21-Sc-44



66

Incident Energy (MeV)

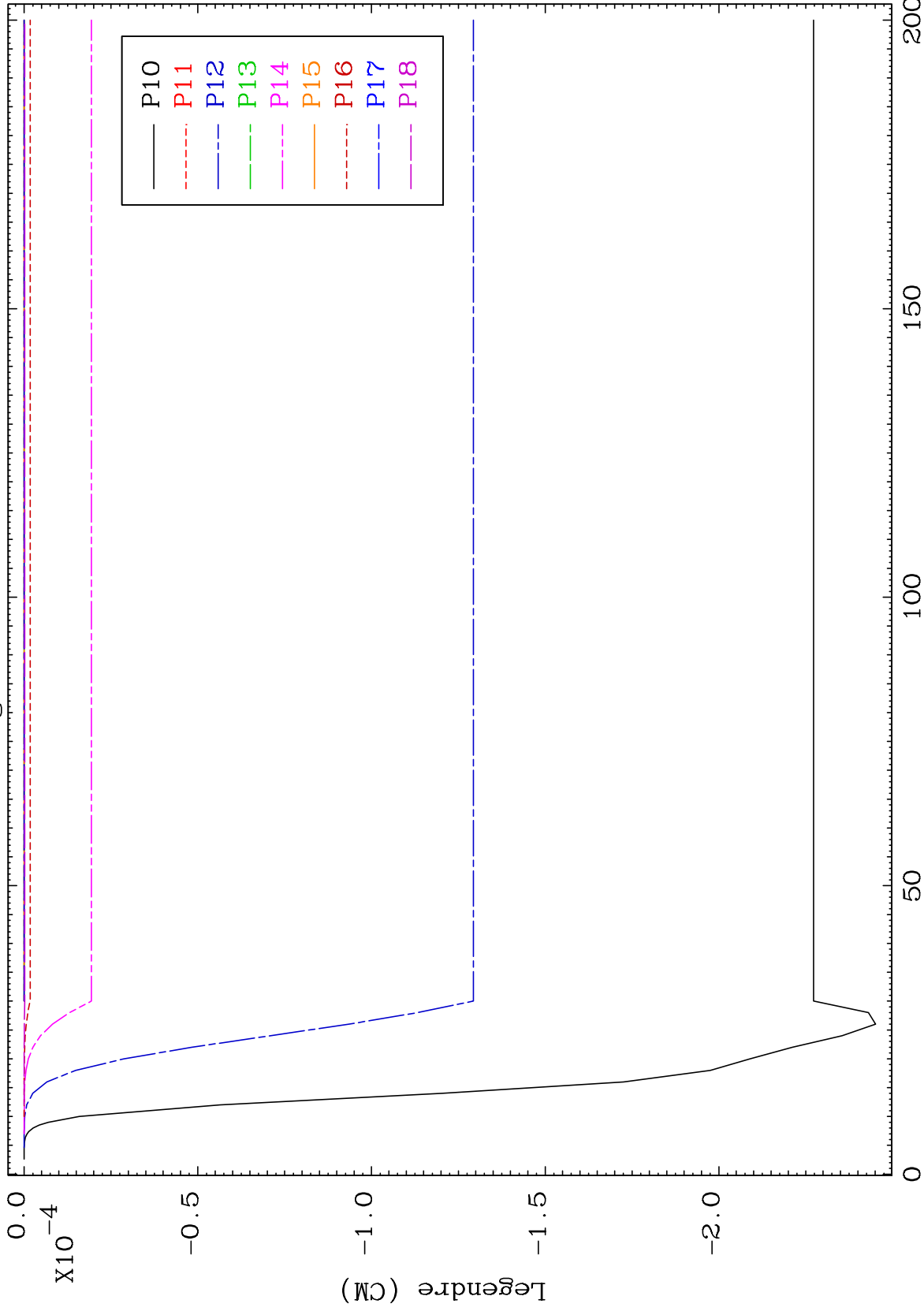
21-Sc-44



MAT 2122

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

21-Sc-44

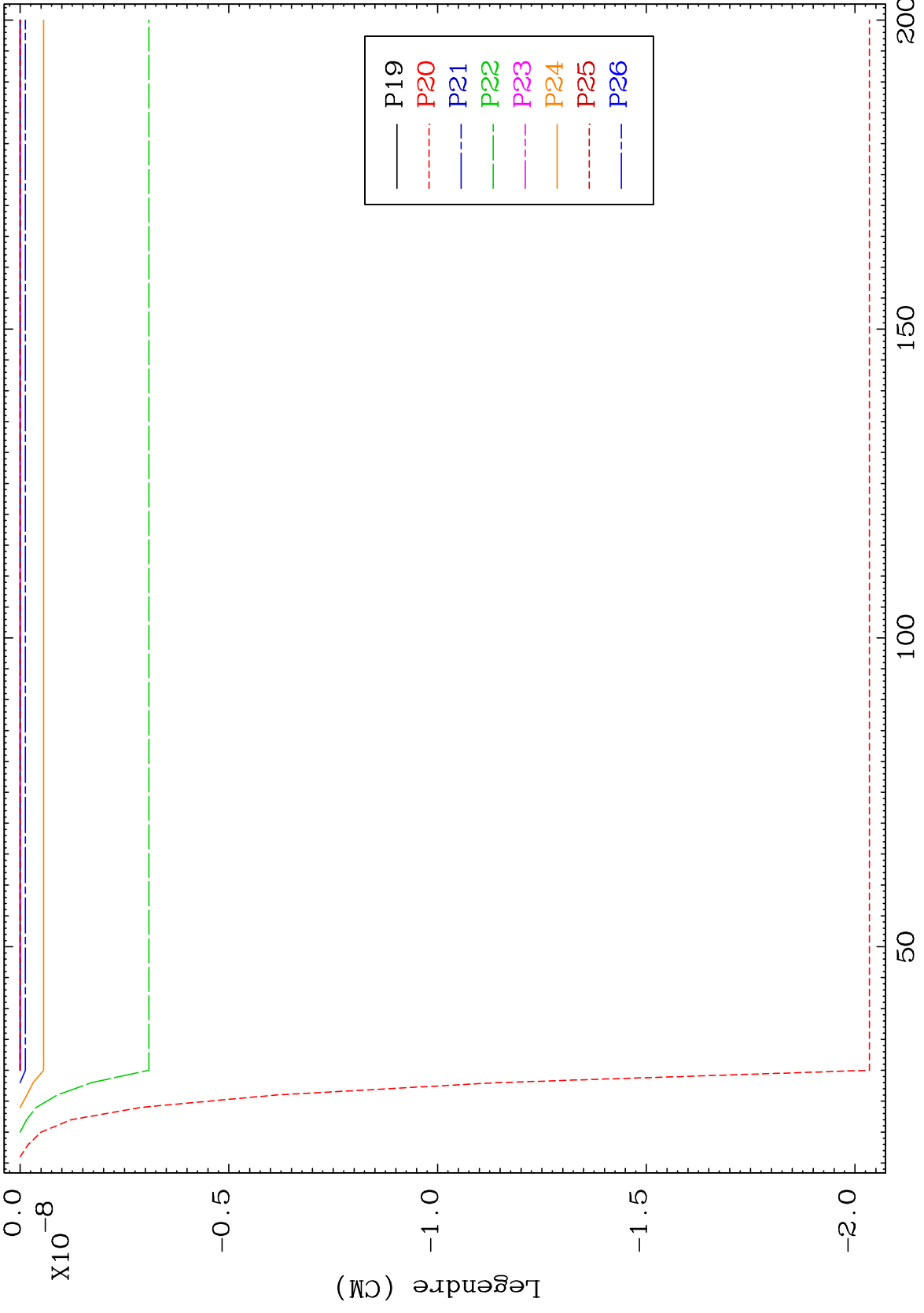


68

Incident Energy (MeV)

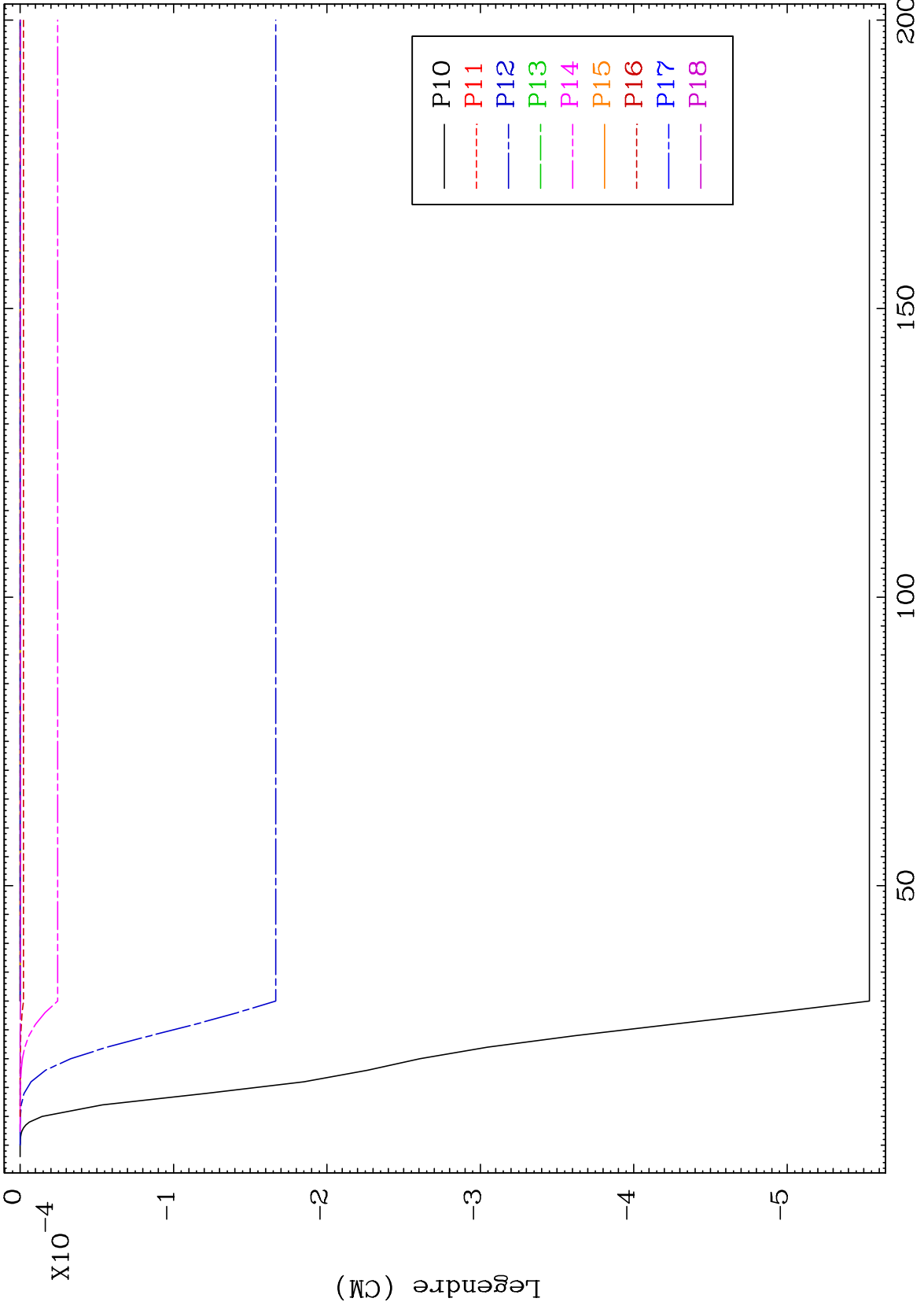
21-Sc-44

MAT 2122 MT= 67 (n,n') Level Legendre Coefficients 21-Sc-44

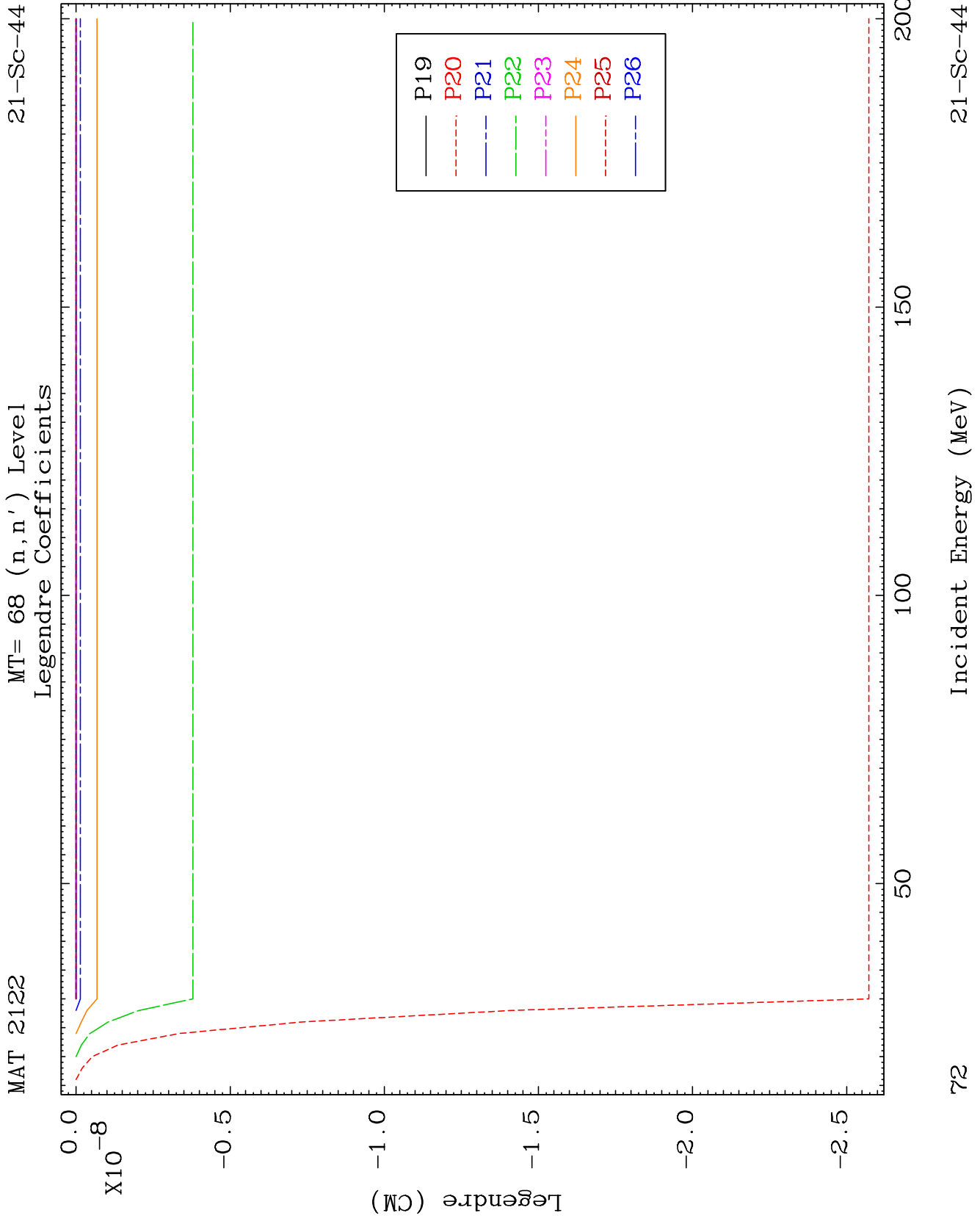




MAT 2122 MT= 68 (n,n') Level Legendre Coefficients 21-Sc-44

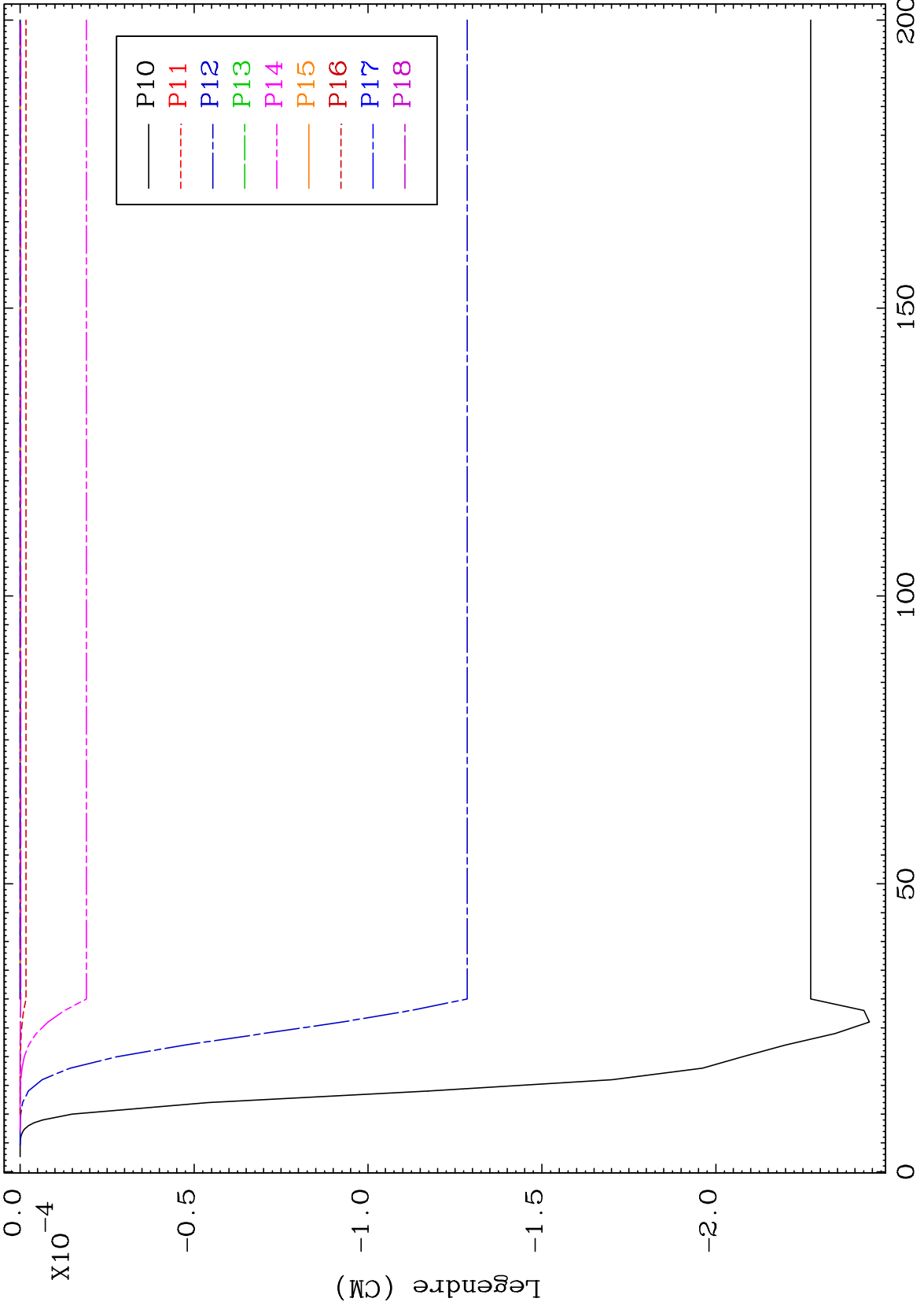






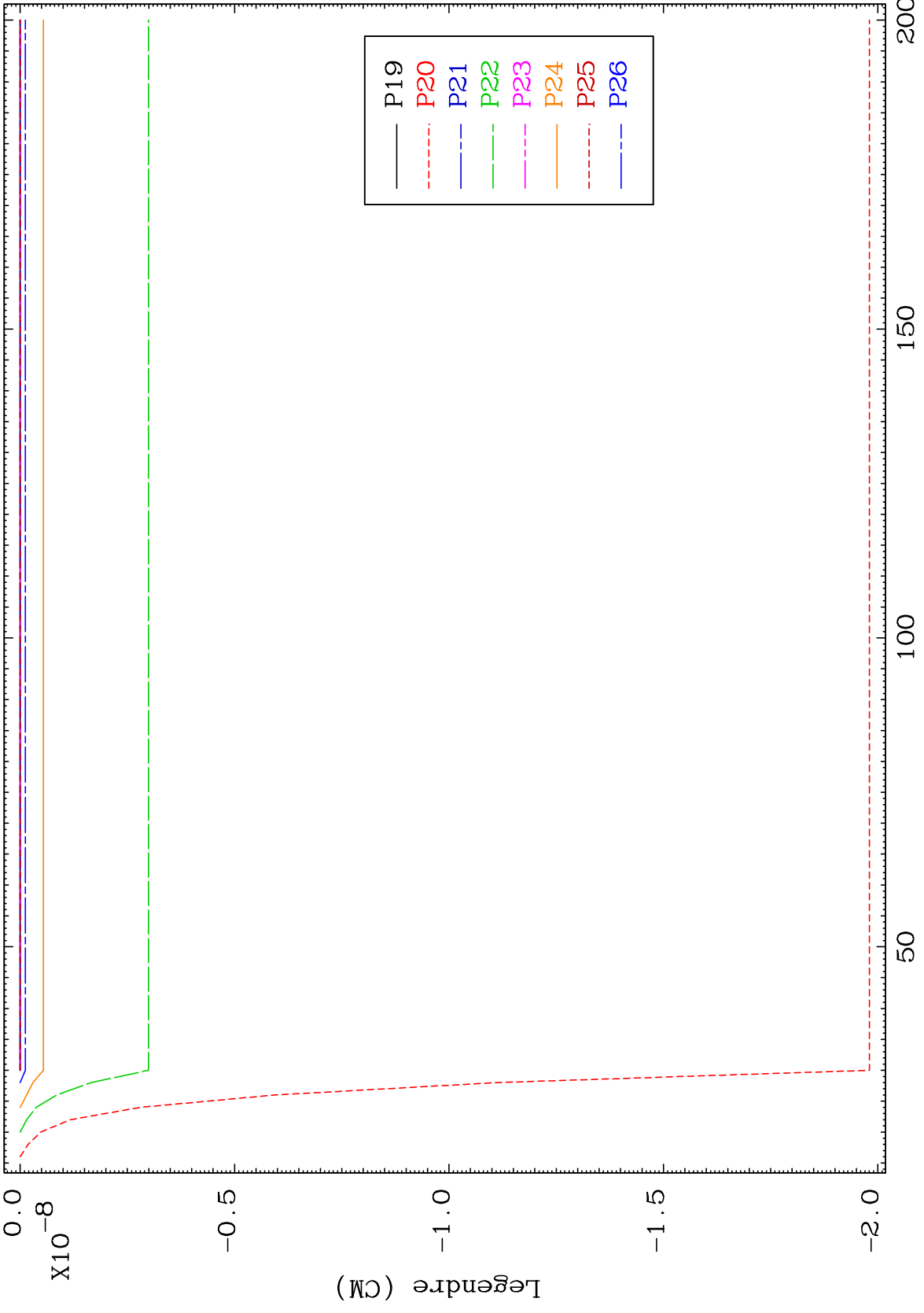


MAT 2122 MT= 69 (n,n') Level Legendre Coefficients 21-Sc-44



74 21-Sc-44

MAT 2122 MT= 69 (n,n') Level Legendre Coefficients 21-Sc-44

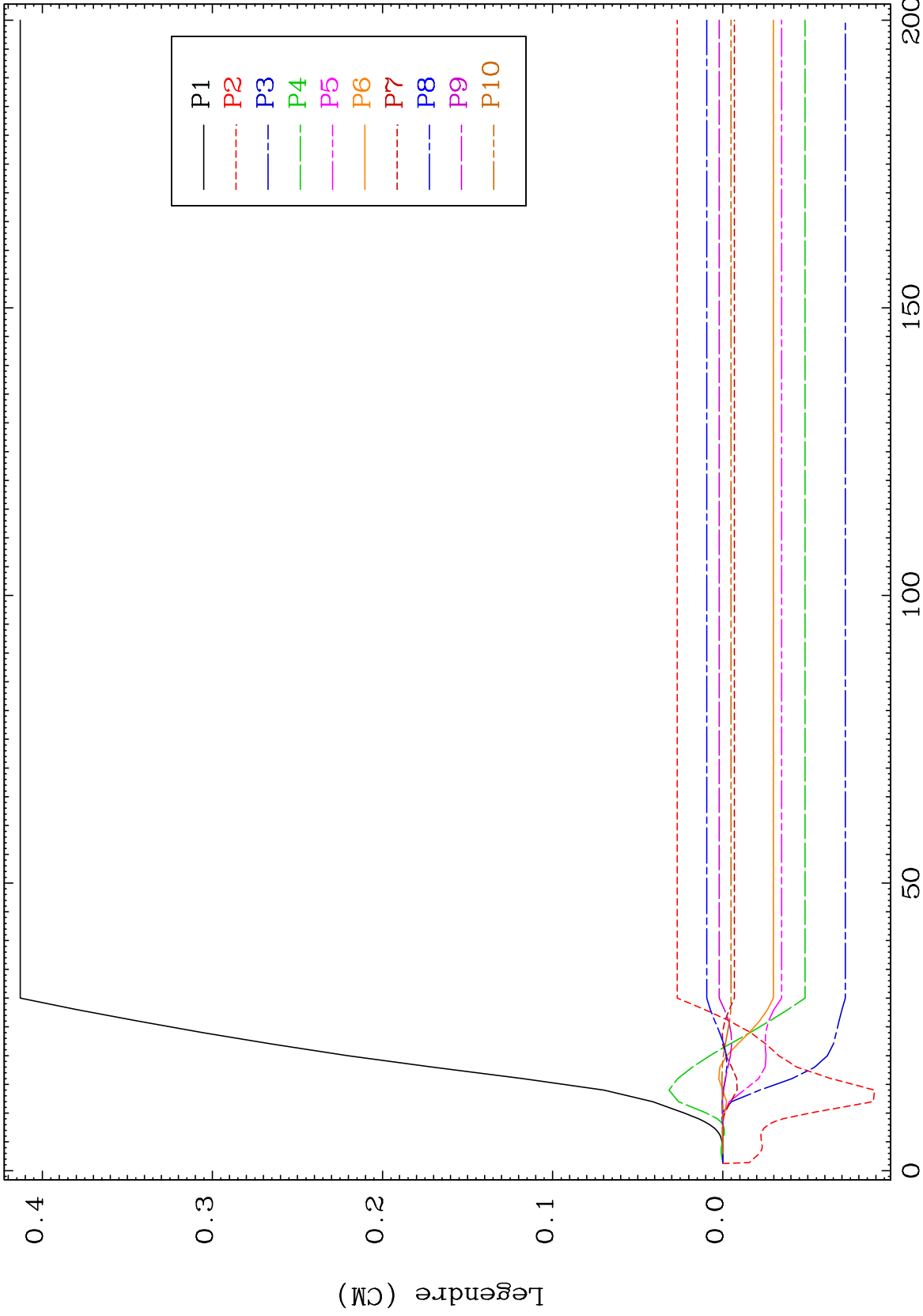


75 Incident Energy (MeV) 21-Sc-44

MAT 2122

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

21-Sc-44

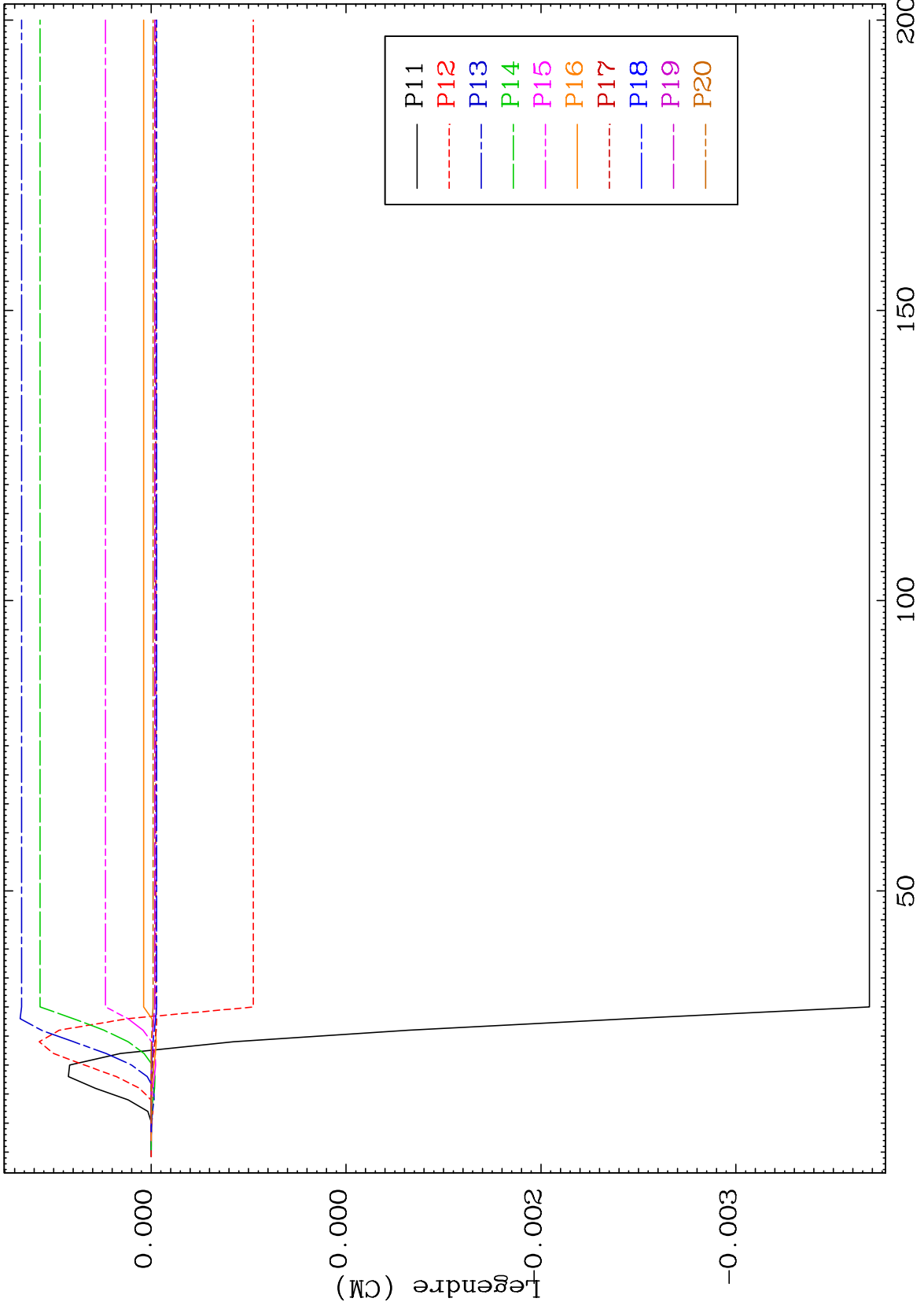


76

Incident Energy (MeV)

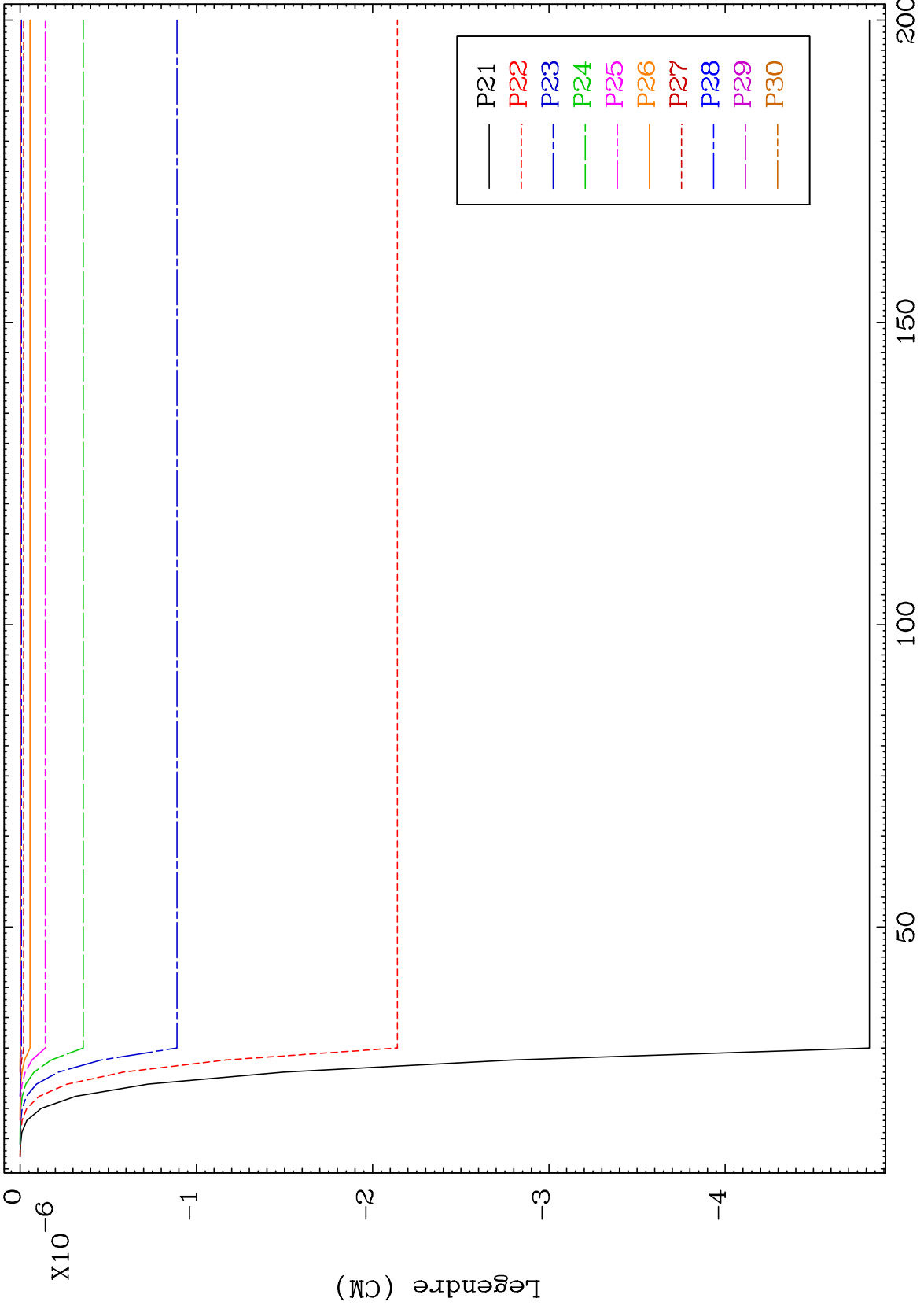
21-Sc-44

MAT 2122 MT= 70 (n,n') Level Legendre Coefficients 21-Sc-44



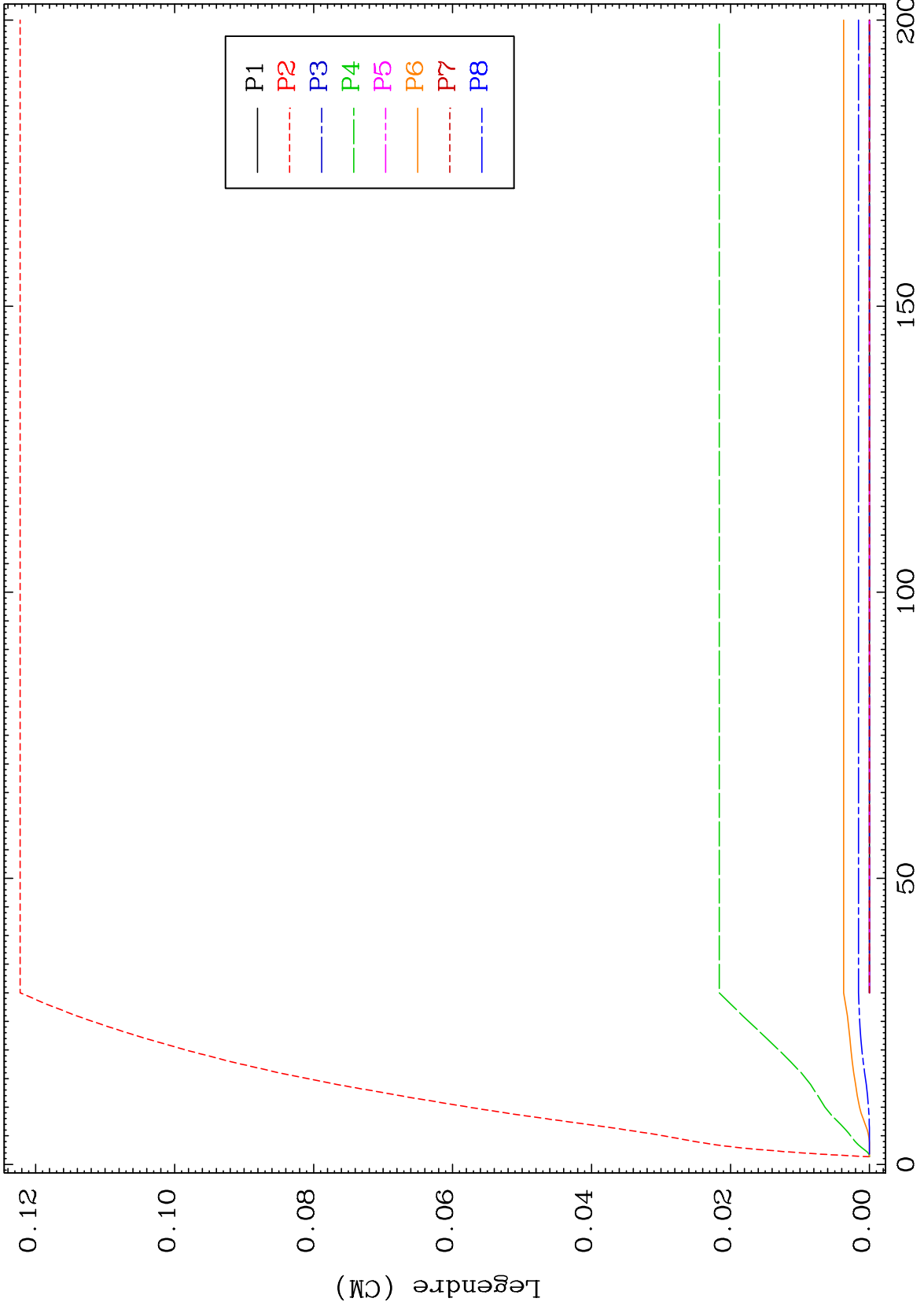
77 21-Sc-44

MAT 2122 MT= 70 (n,n') Level Legendre Coefficients 21-Sc-44



78 Incident Energy (MeV) 21-Sc-44

MAT 2122 MT= 71 (n,n') Level Legendre Coefficients 21-Sc-44



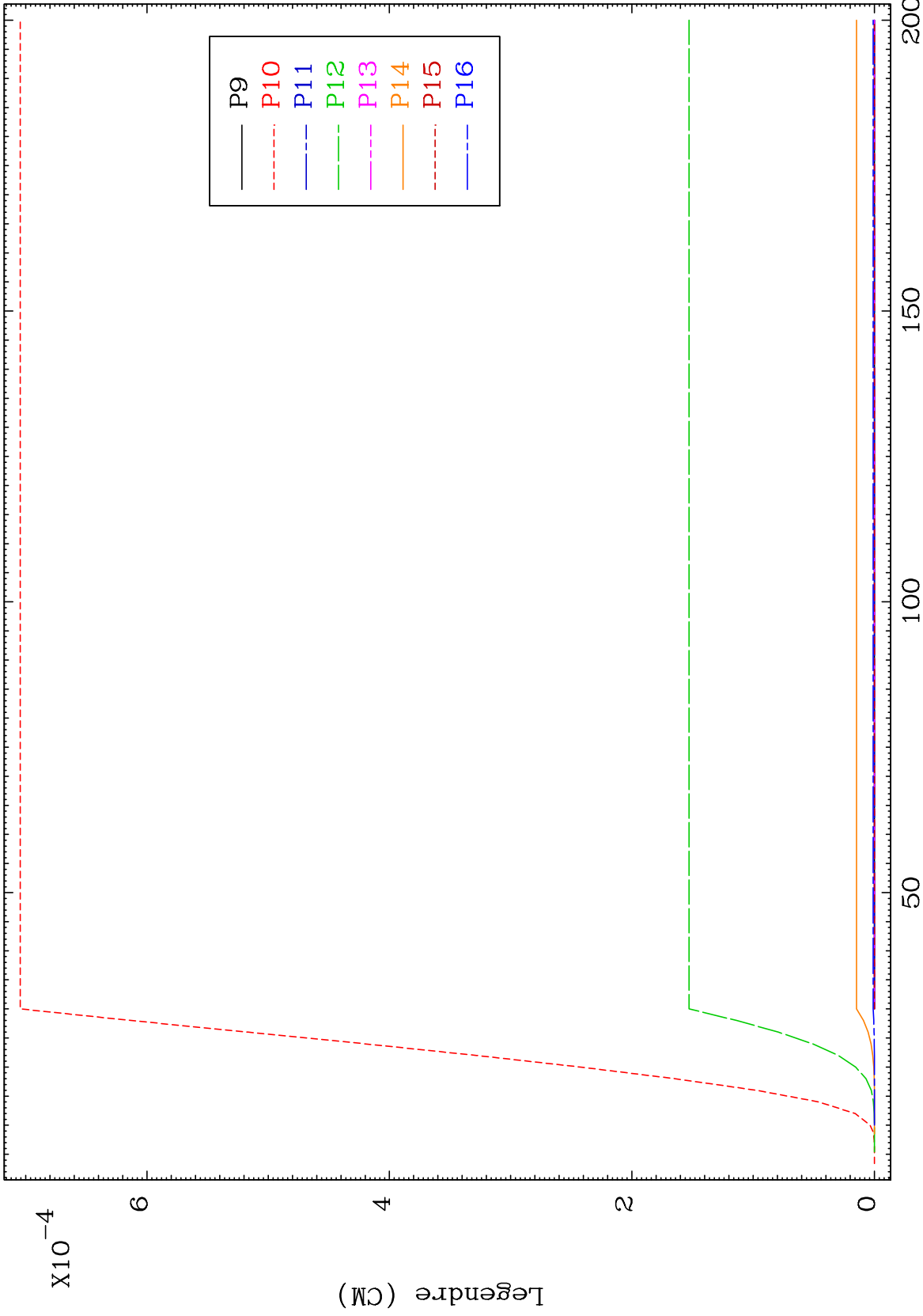
79 Incident Energy (MeV) 21-Sc-44



MAT 2122

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

21-Sc-44



80

50

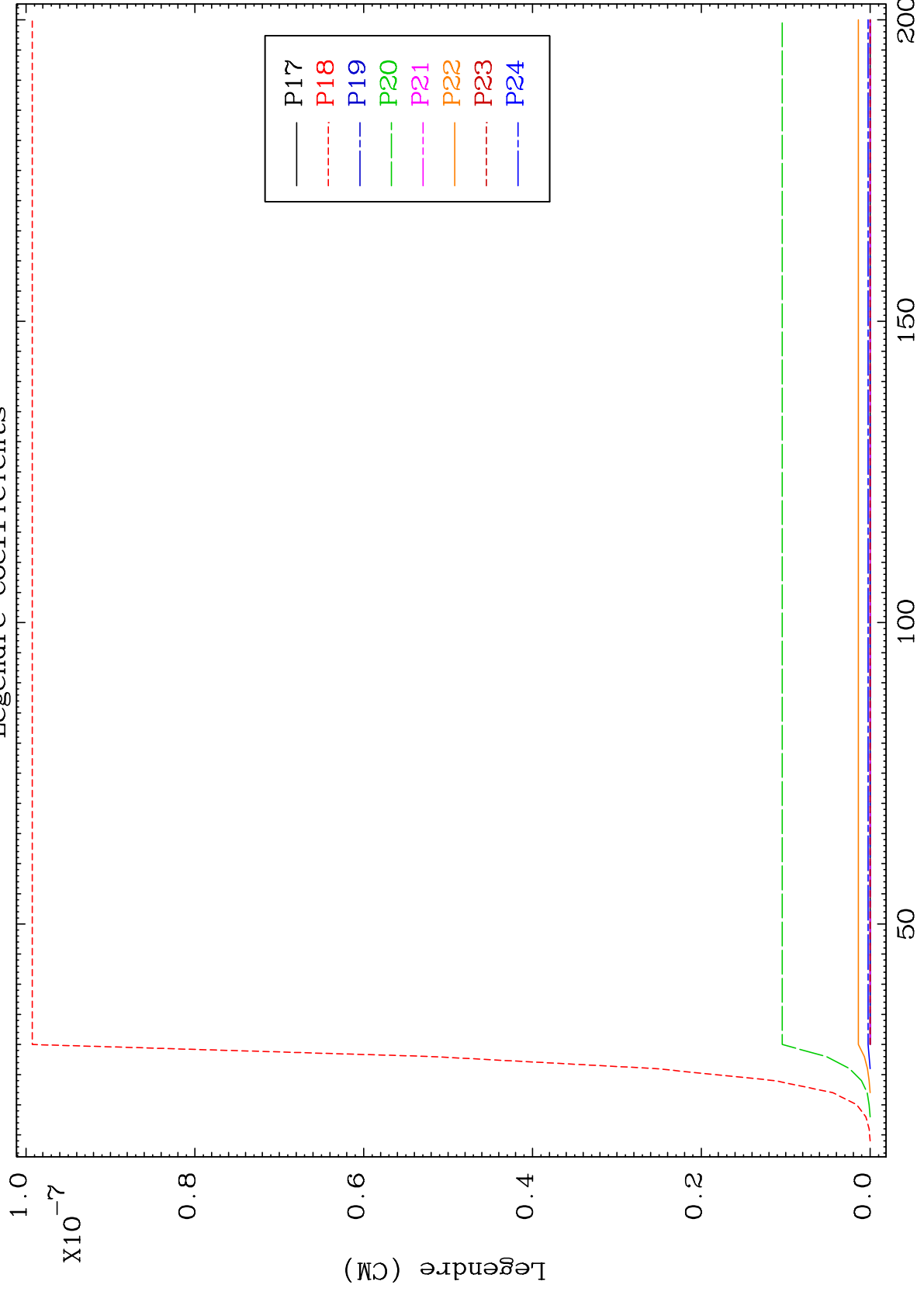
100

150

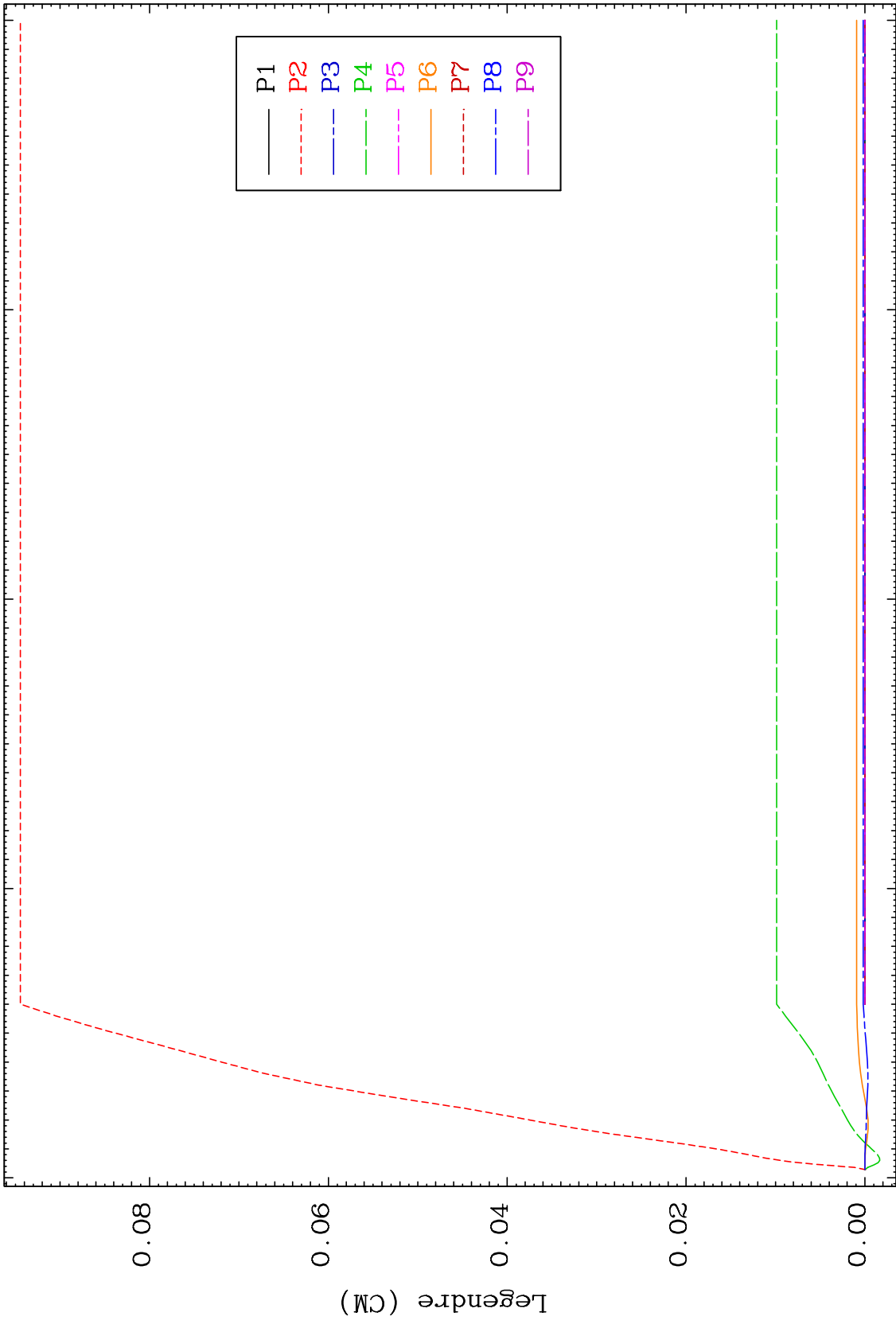
200

21-Sc-44

MAT 2122 MT= 71 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122 MT= 72 (n,n') Level Legendre Coefficients 21-Sc-44

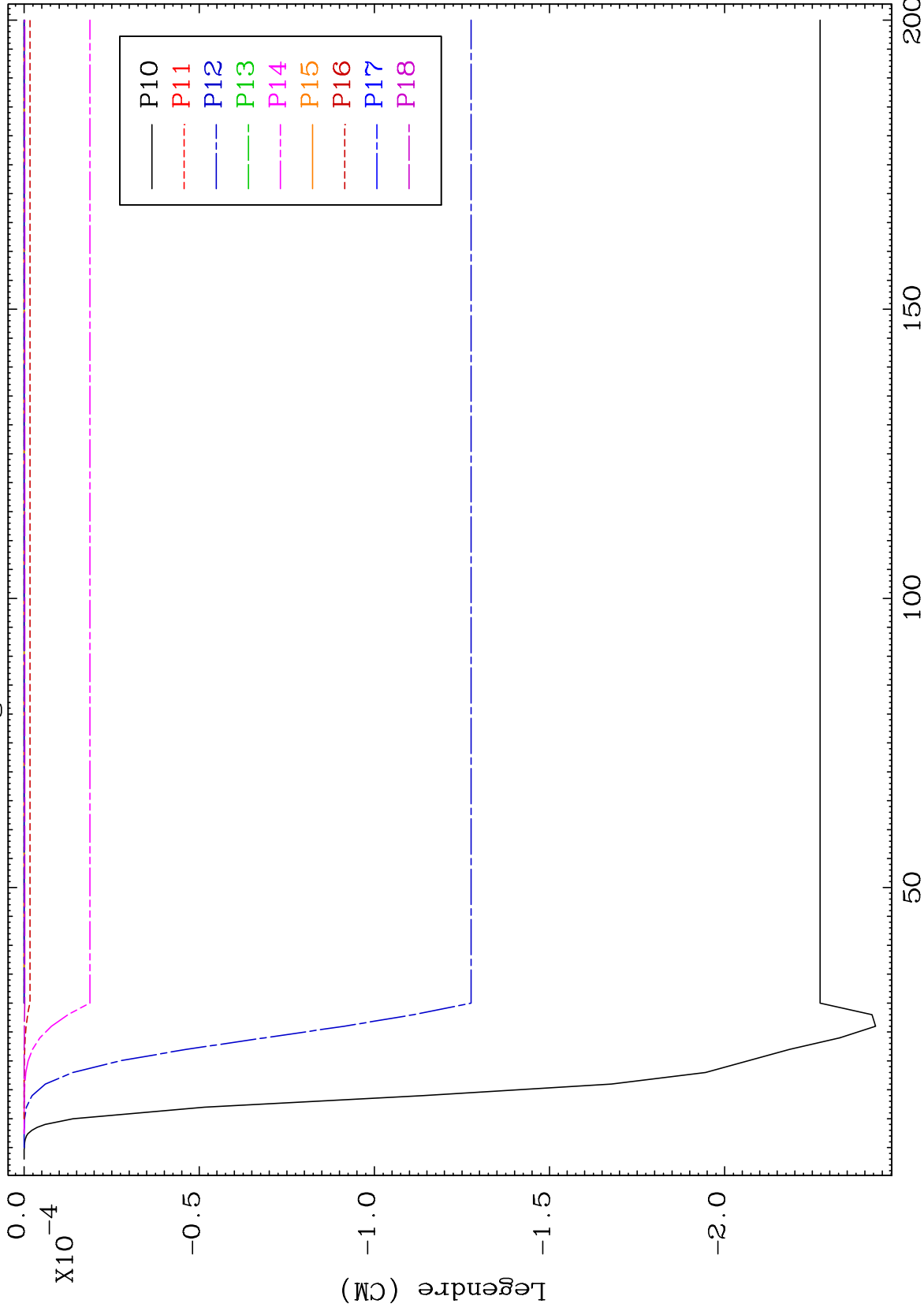


82 Incident Energy (MeV) 21-Sc-44

MAT 2122

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

21-Sc-44

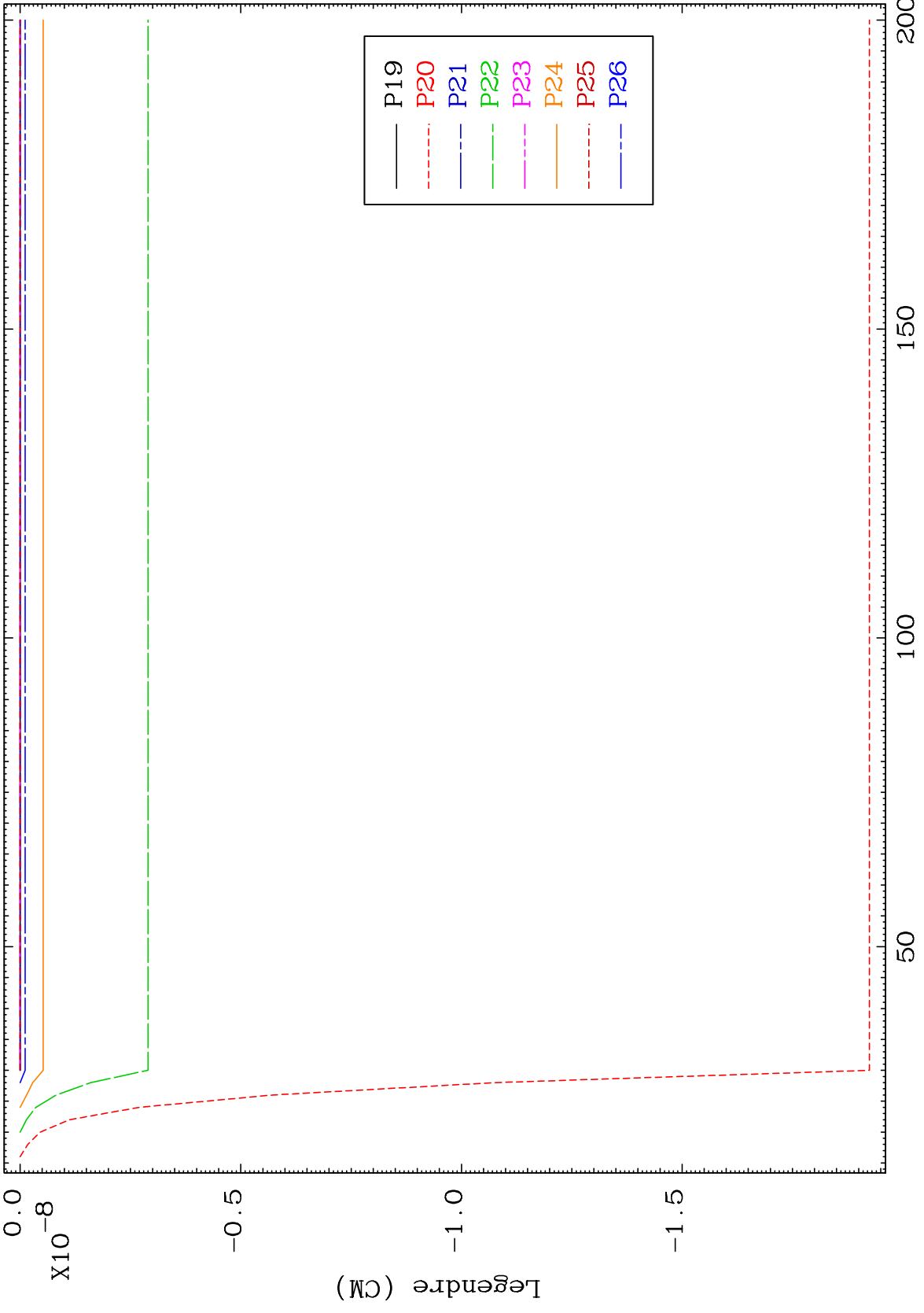


83

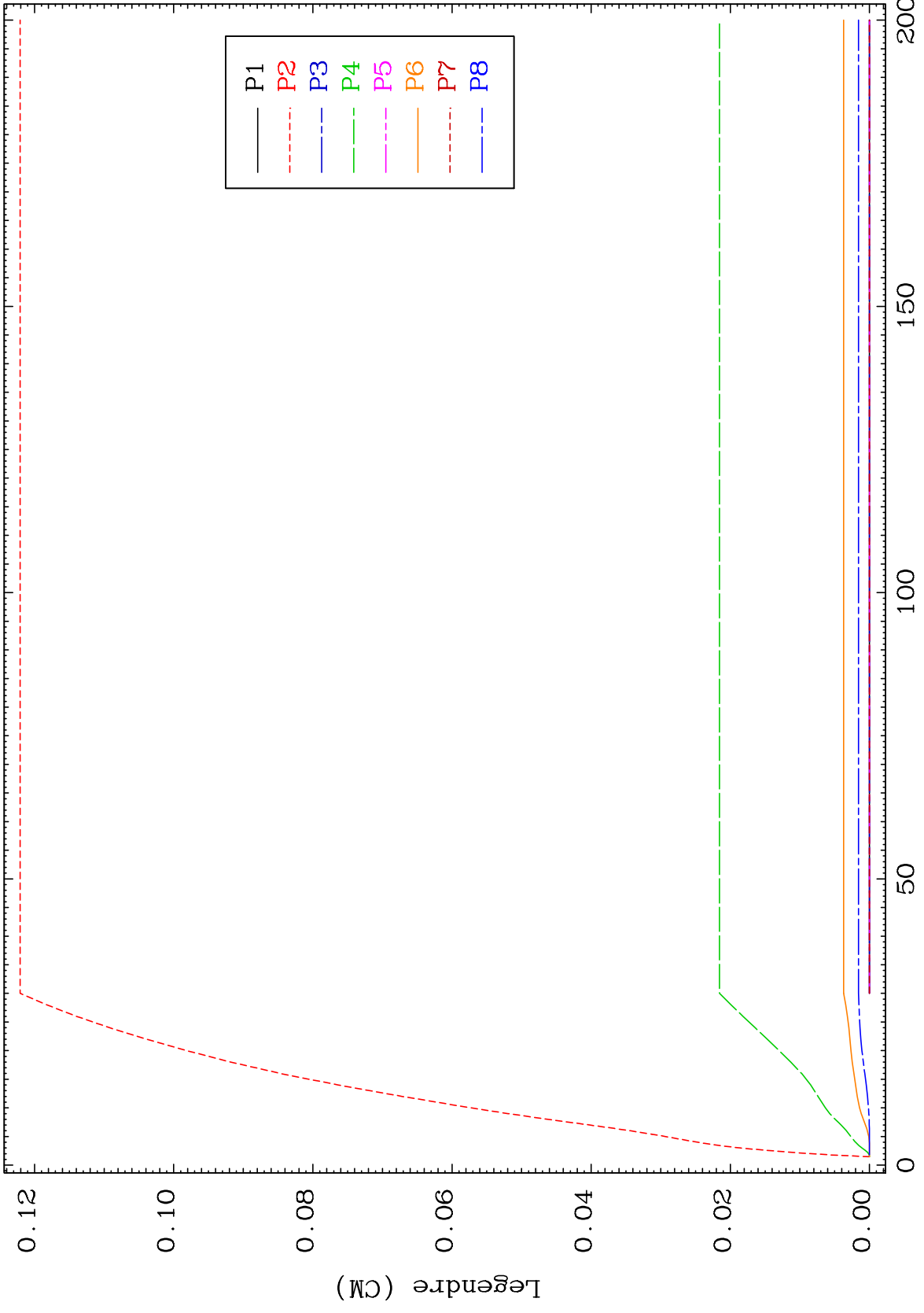
Incident Energy (MeV)

21-Sc-44

MAT 2122 MT= 72 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122 MT= 73 (n,n') Level Legendre Coefficients 21-Sc-44

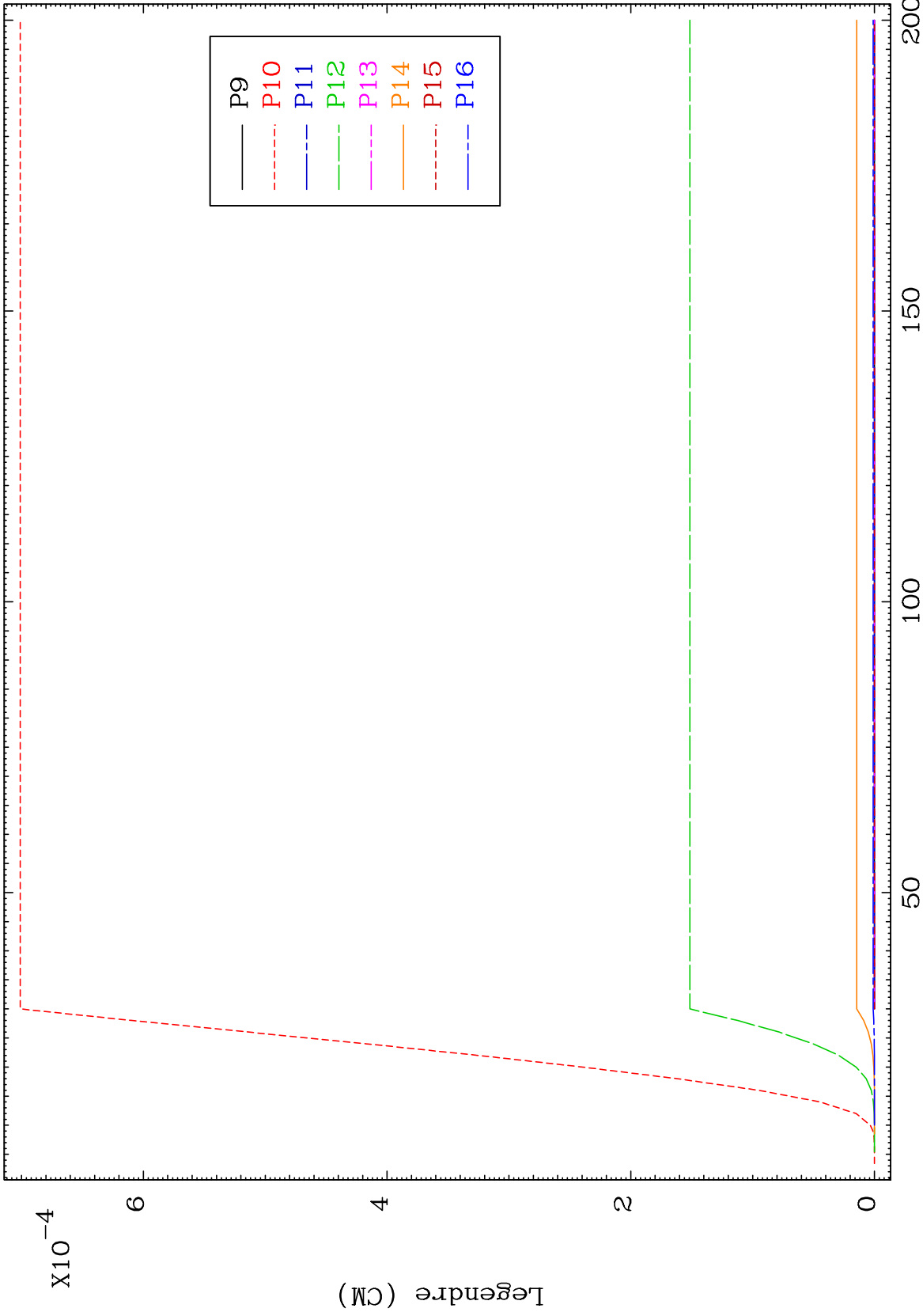


85 Incident Energy (MeV) 21-Sc-44

MAT 2122

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

21-Sc-44

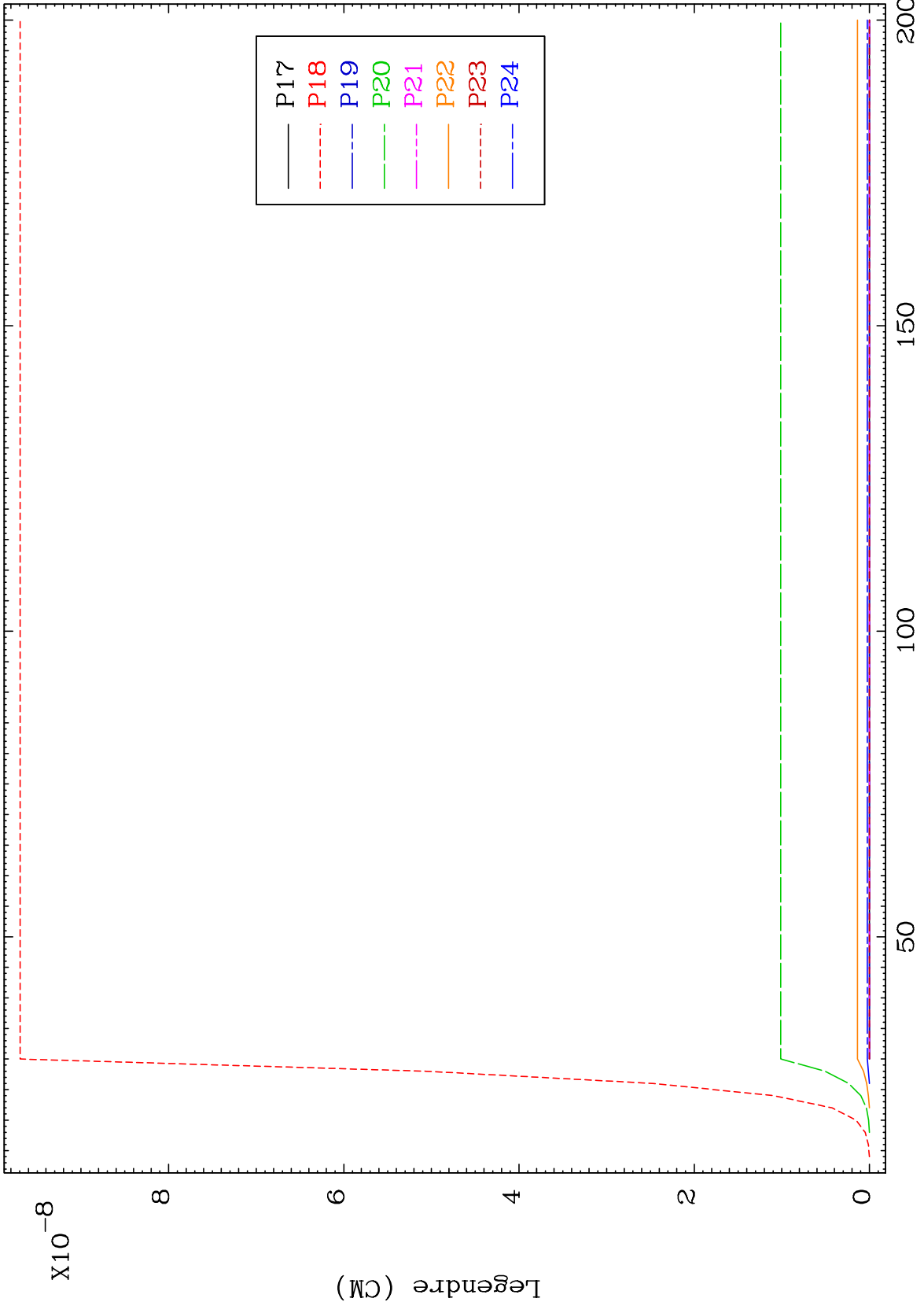


86

Incident Energy (MeV)

21-Sc-44

MAT 2122 MT= 73 (n,n') Level Legendre Coefficients 21-Sc-44



87 21-Sc-44



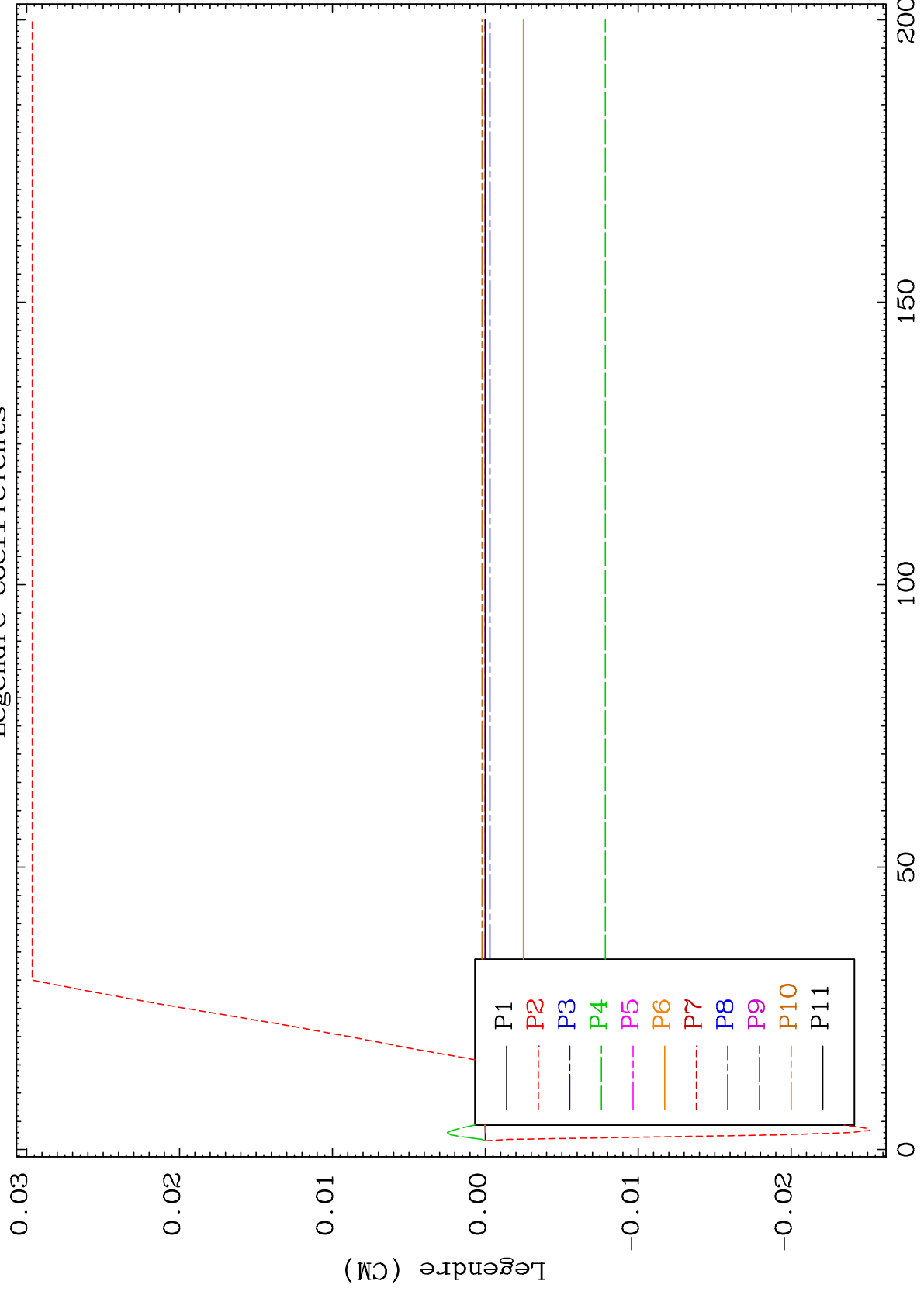
MAT 2122 MT= 74 (n,n') Level Legendre Coefficients

21-Sc-44

21-Sc-44

Incident Energy (MeV)

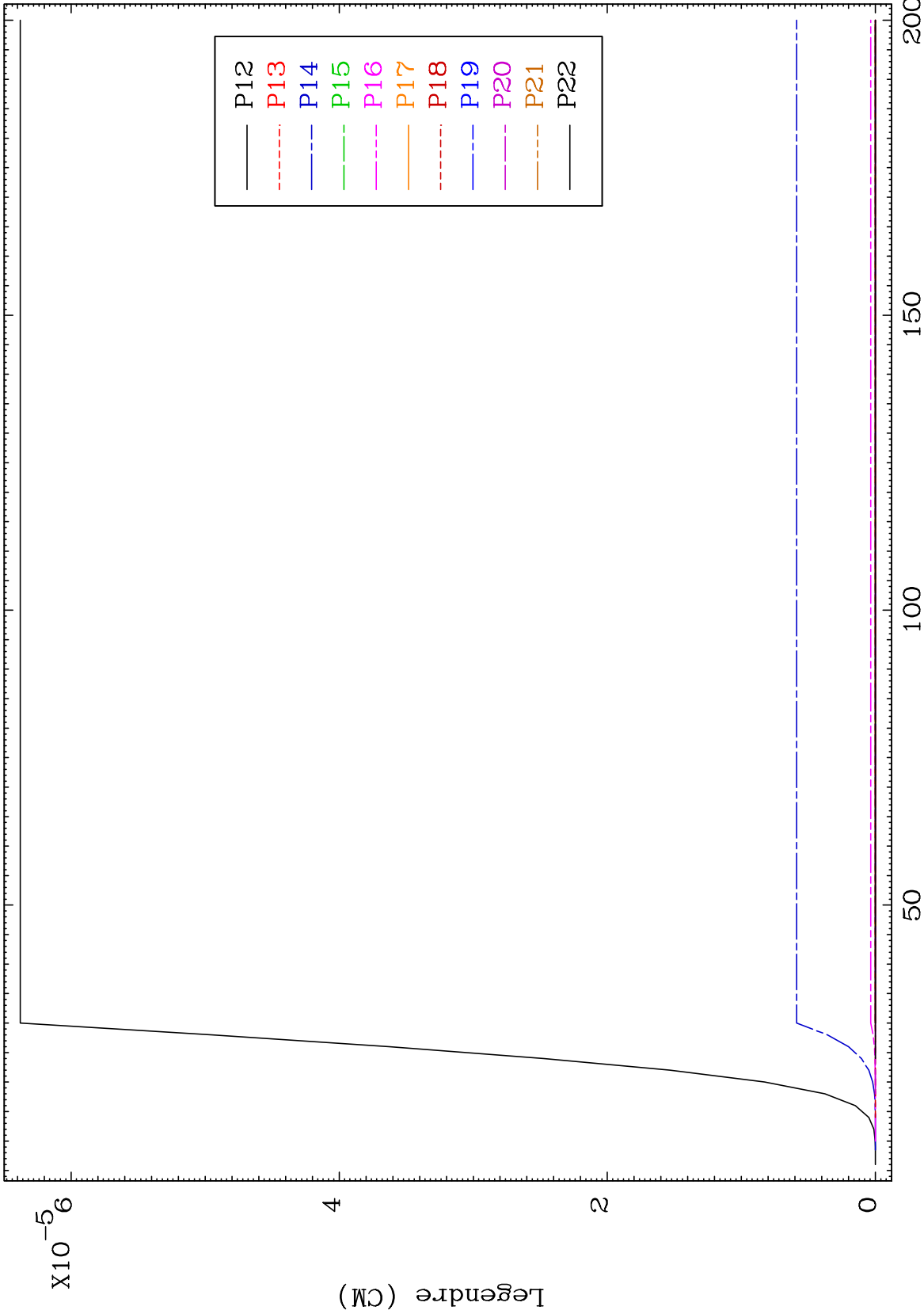
88



MAT 2122

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

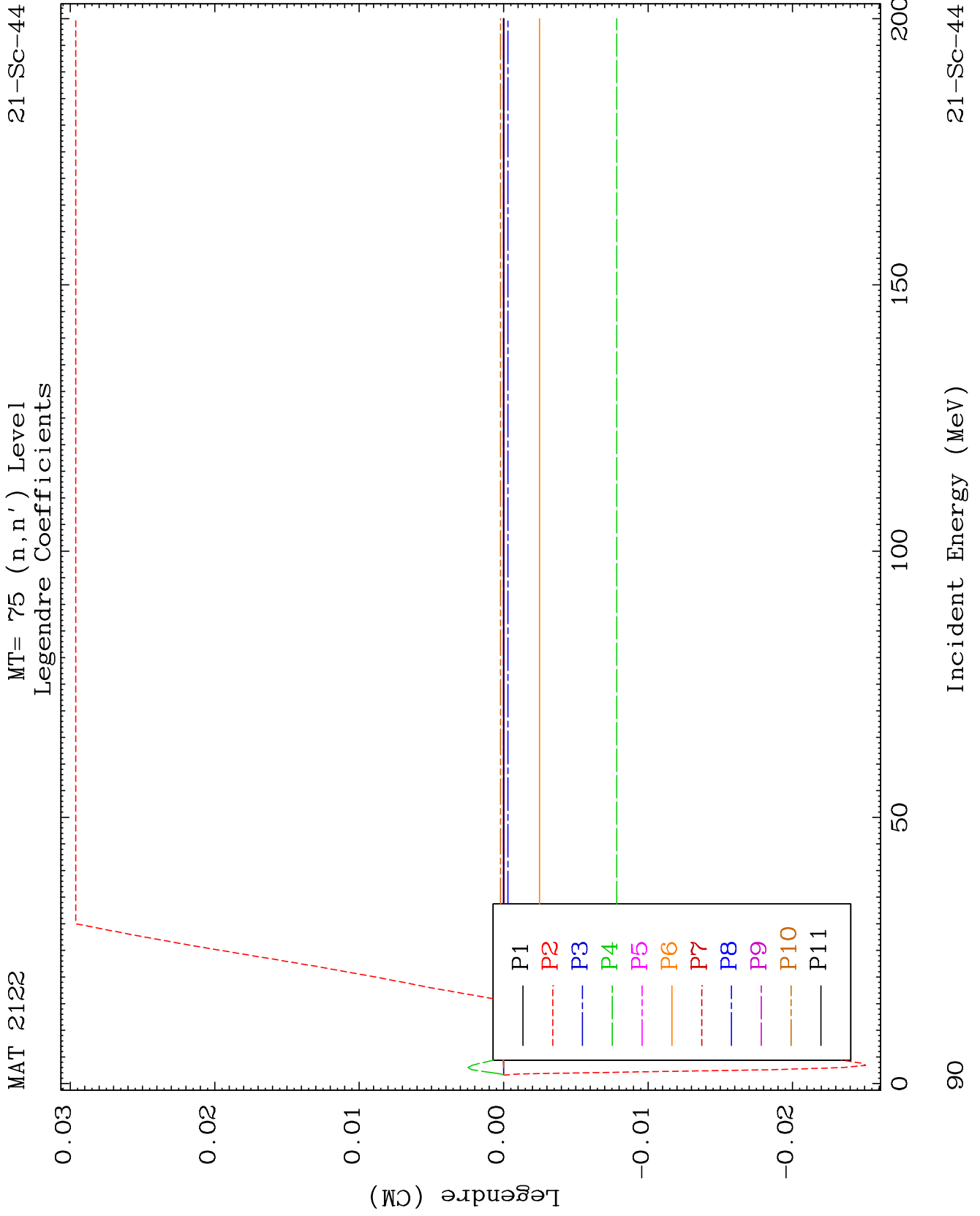
21-Sc-44



89

Incident Energy (MeV)

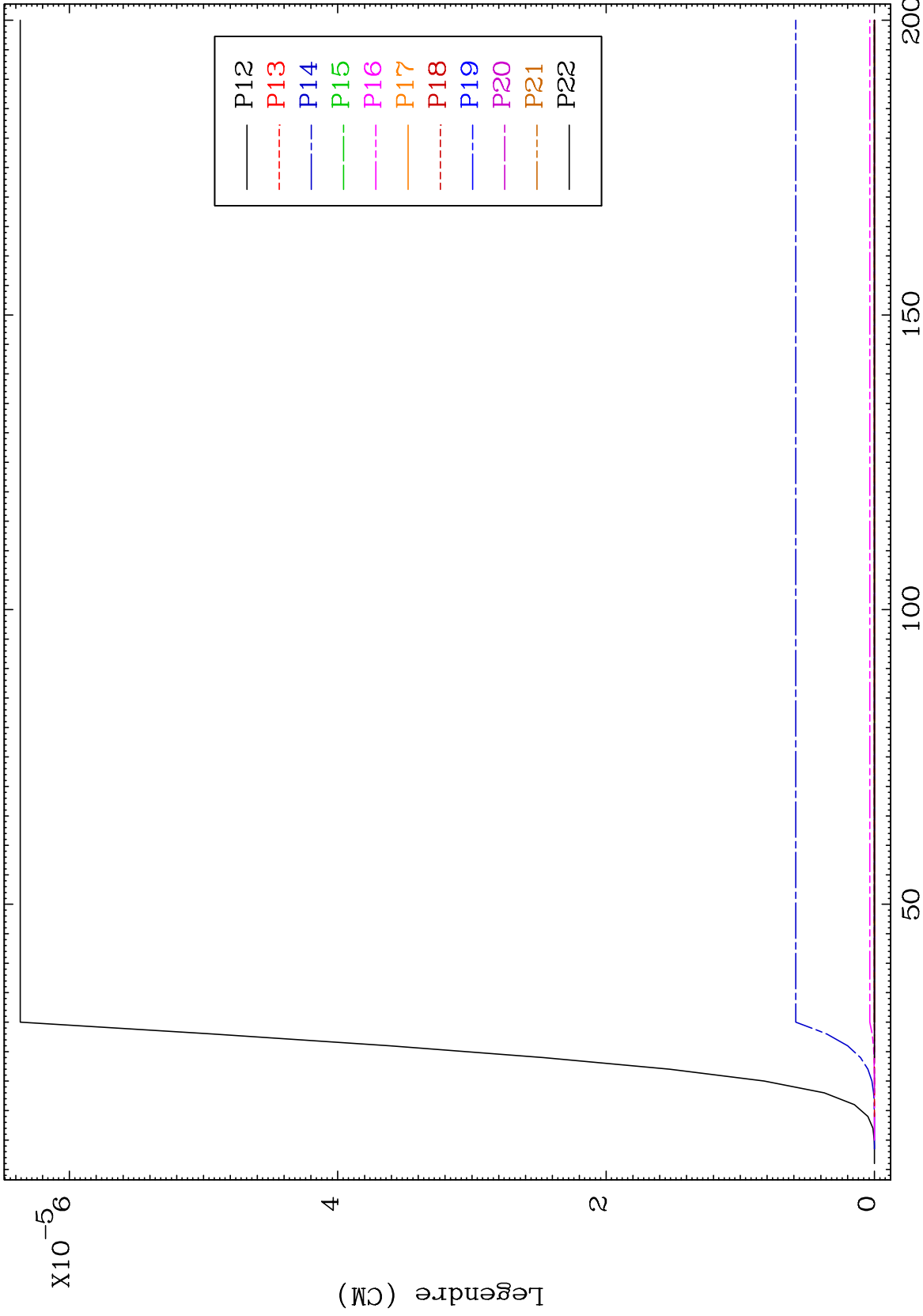
21-Sc-44



MAT 2122

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

21-Sc-44



91

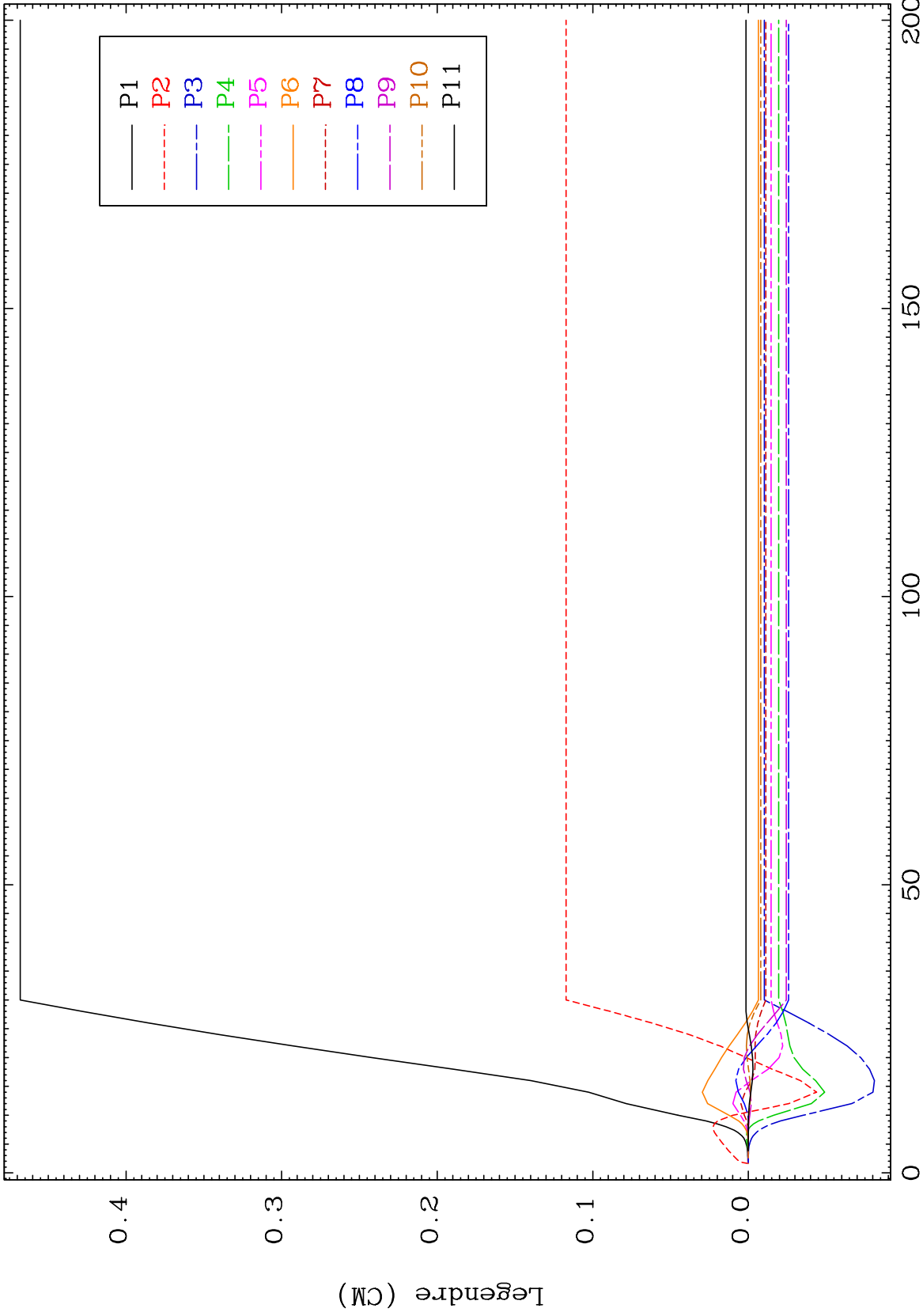
Incident Energy (MeV)

21-Sc-44

MAT 2122

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

21-Sc-44



92

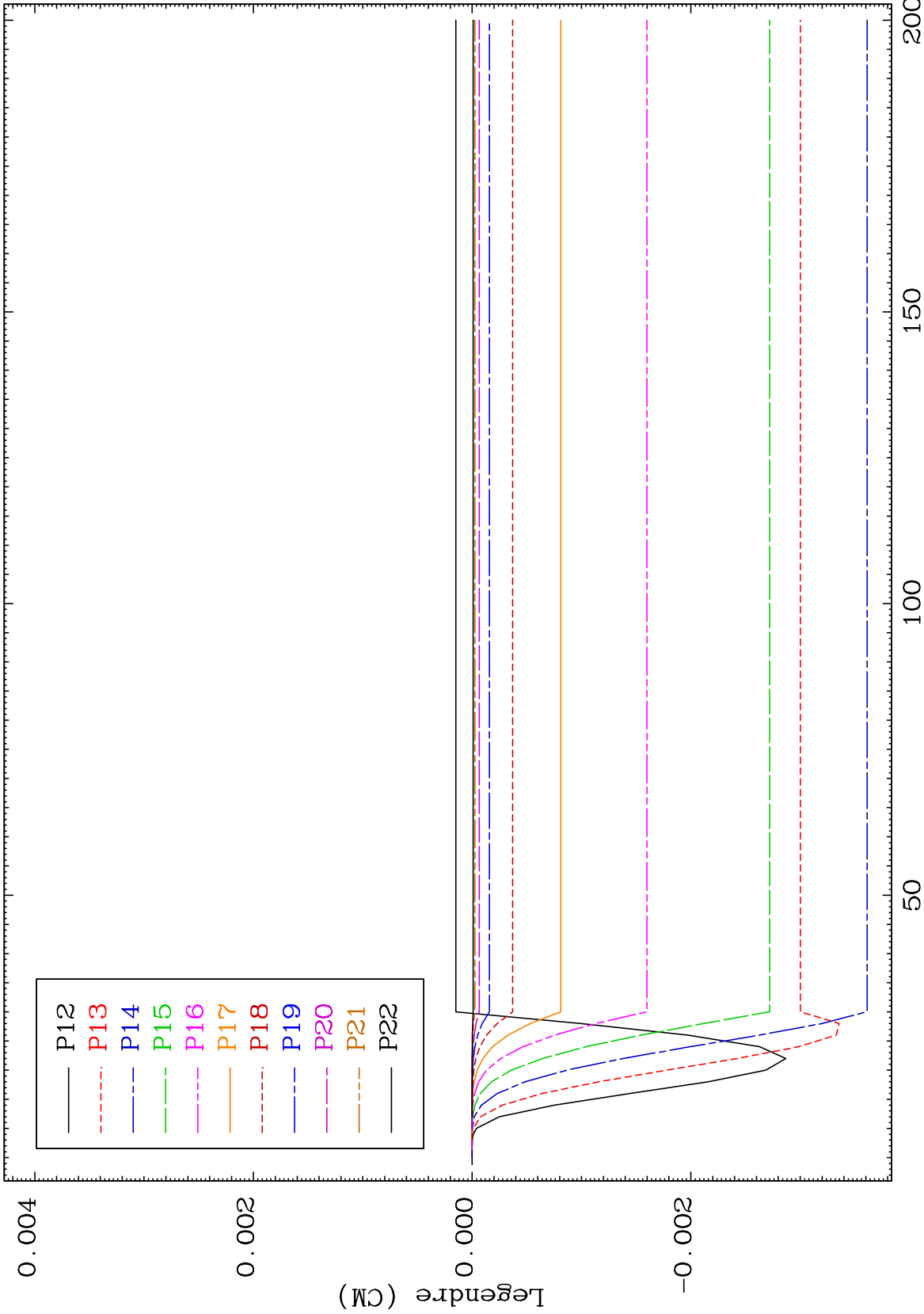
Incident Energy (MeV)

21-Sc-44

MAT 2122

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

21-Sc-44

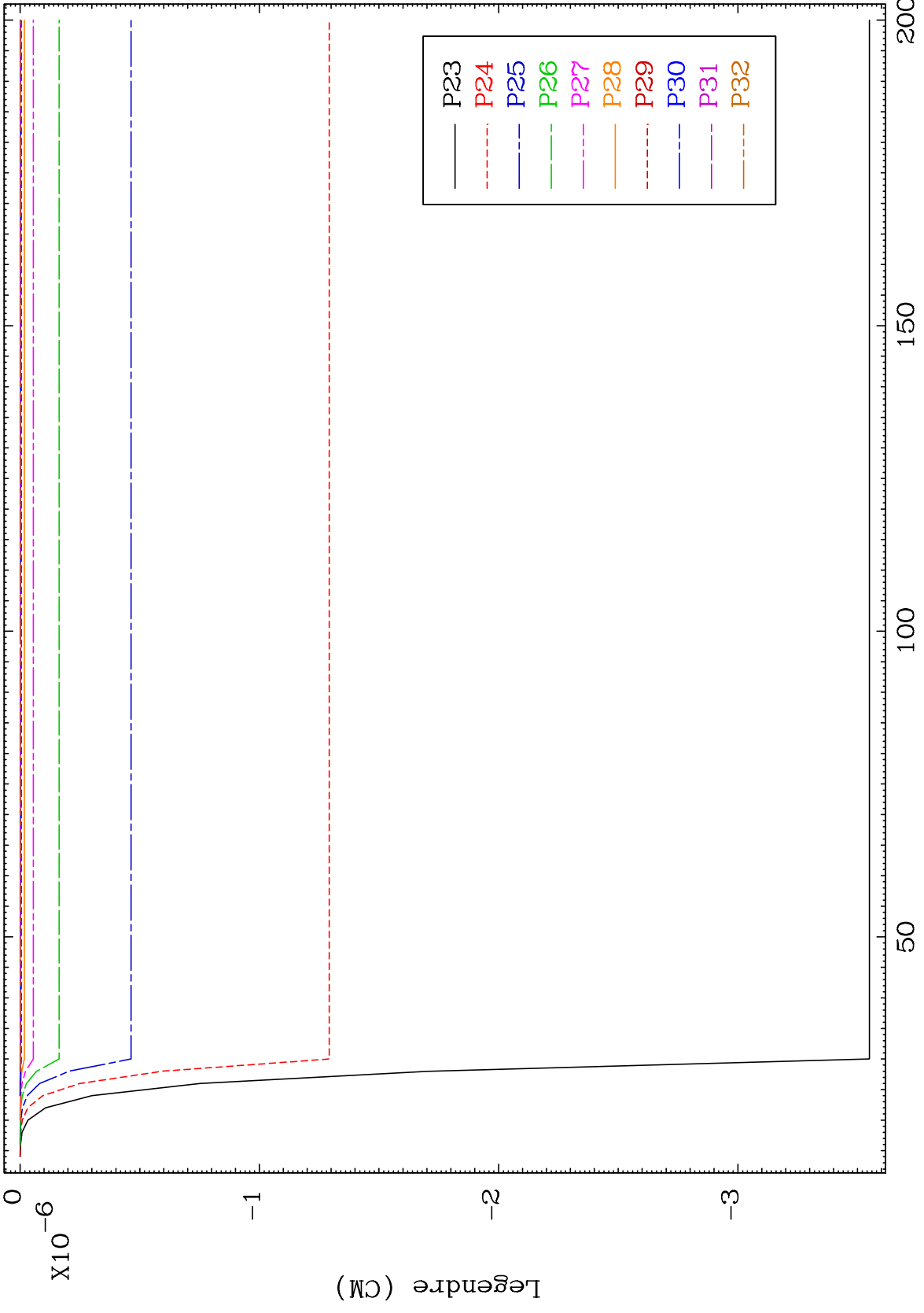


93

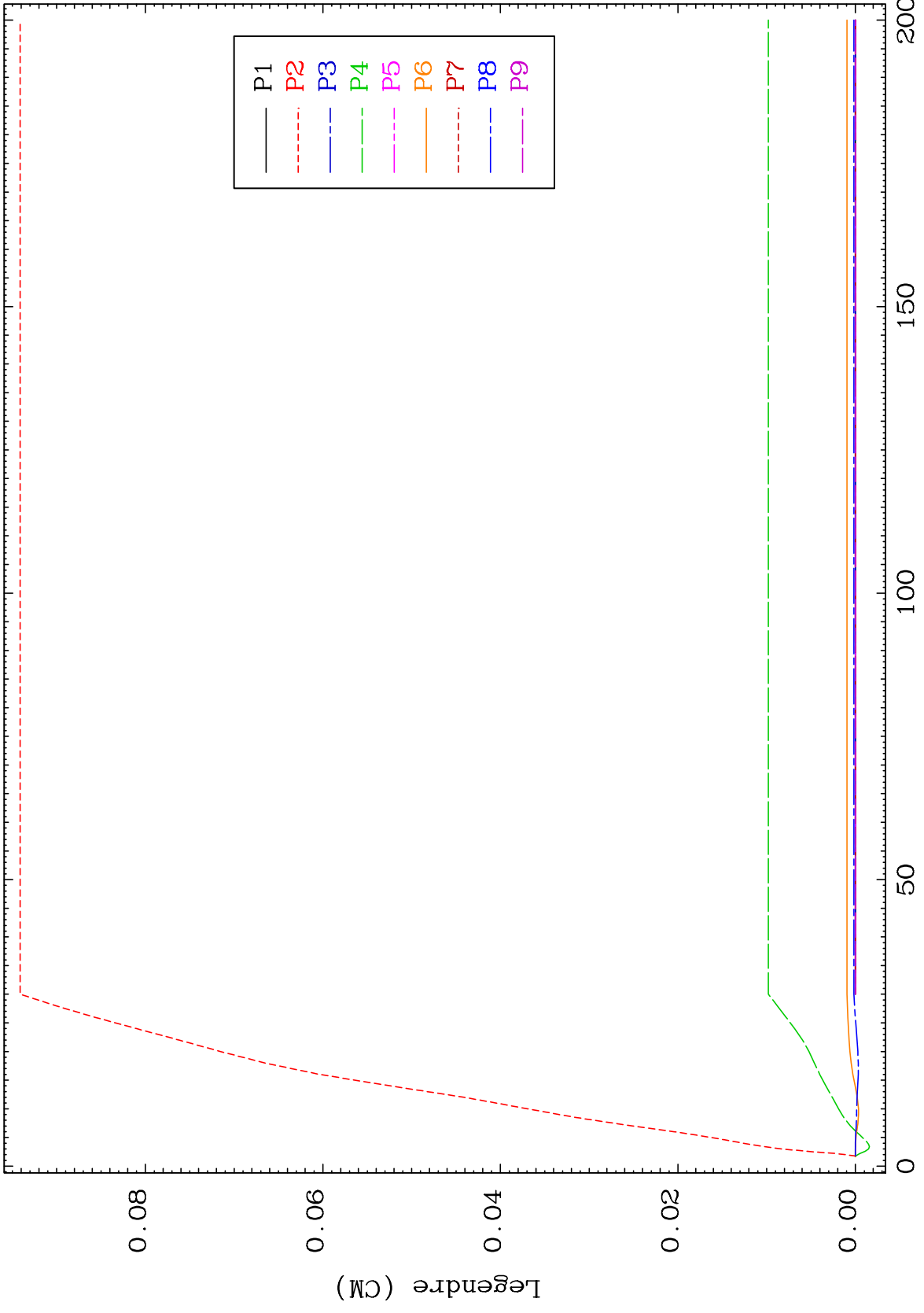
Incident Energy (MeV)

21-Sc-44

MAT 2122 MT= 76 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122 MT= 77 (n,n') Level Legendre Coefficients 21-Sc-44



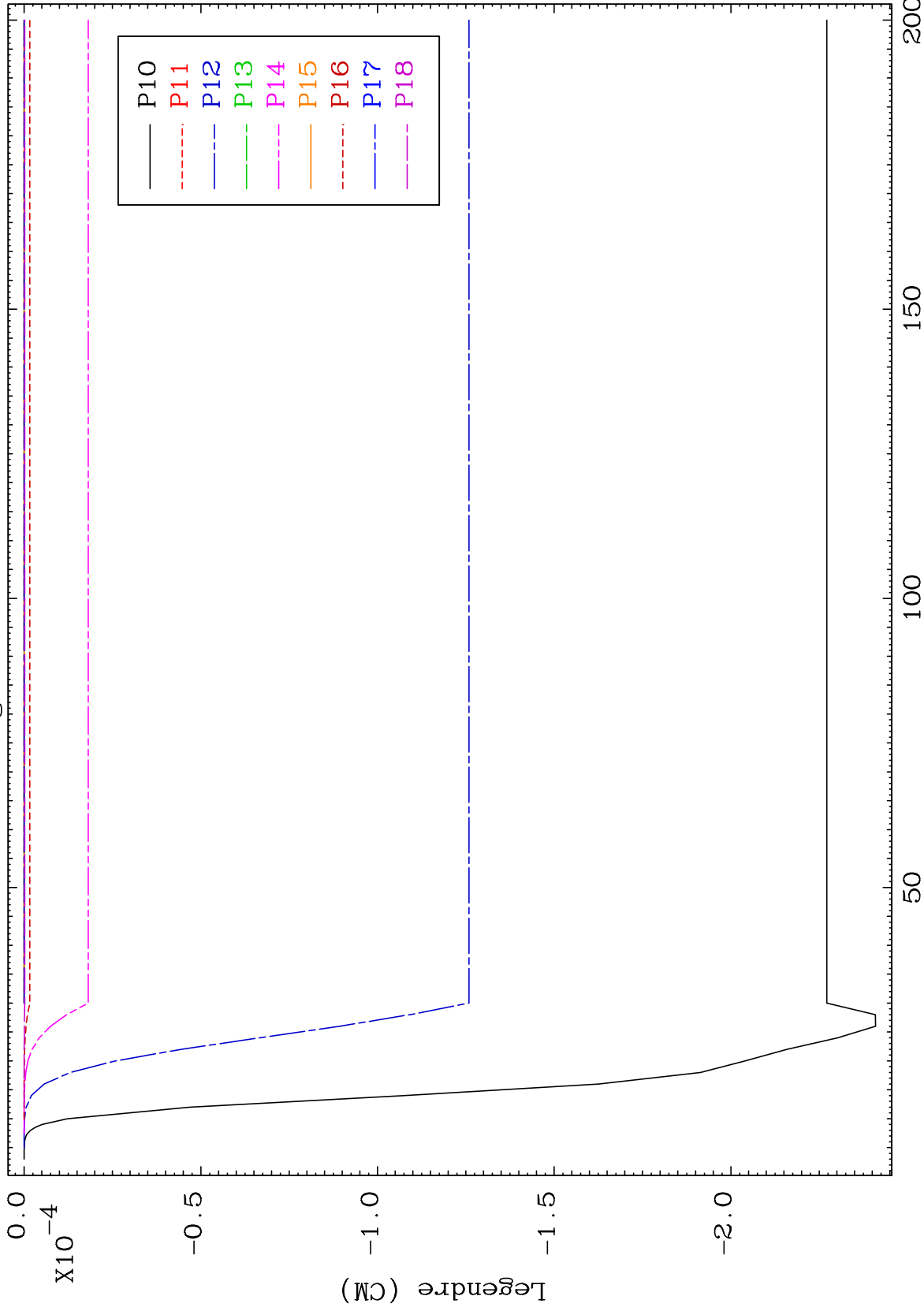
95 Incident Energy (MeV) 21-Sc-44



MAT 2122

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

21-Sc-44

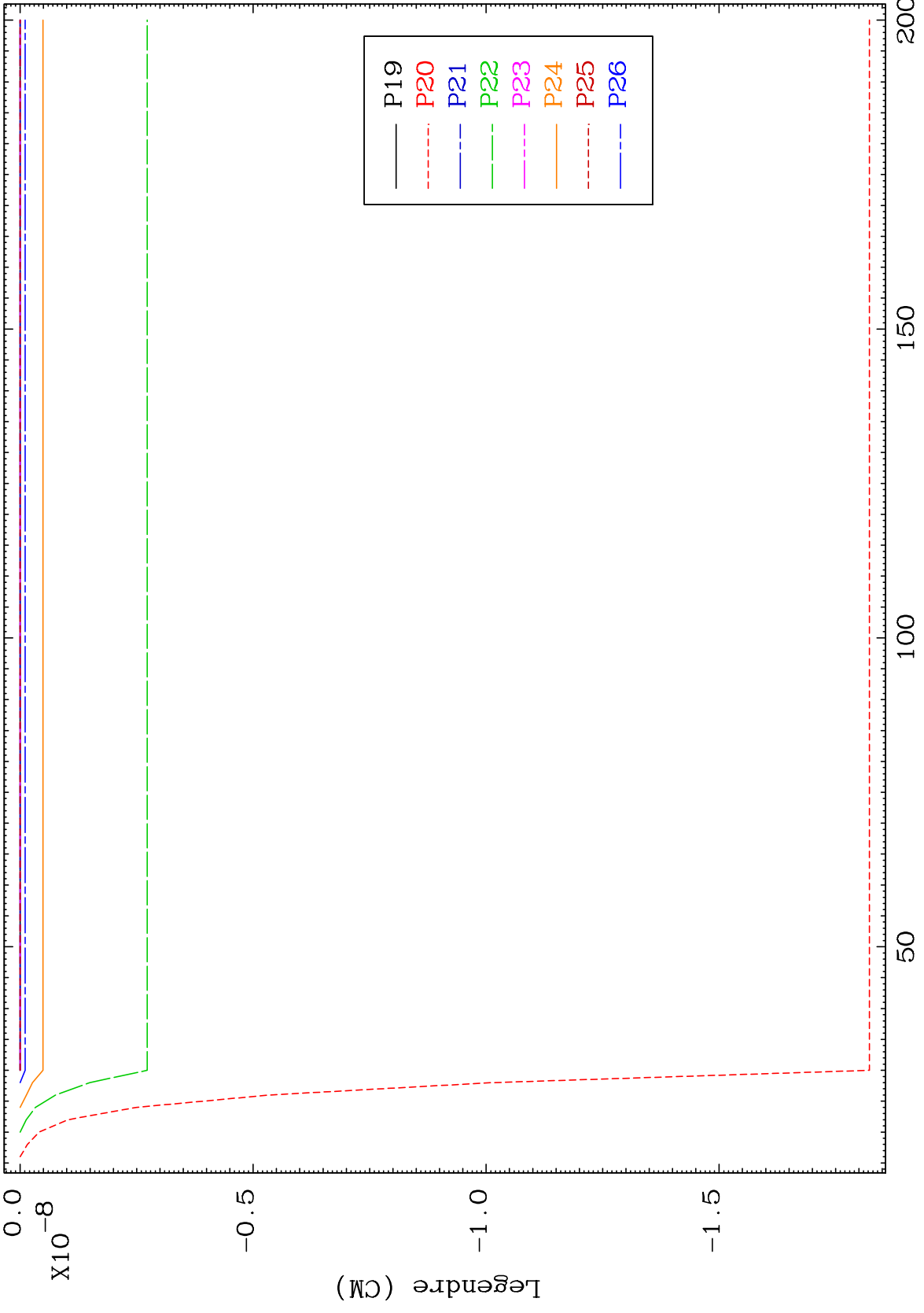


96

Incident Energy (MeV)

21-Sc-44

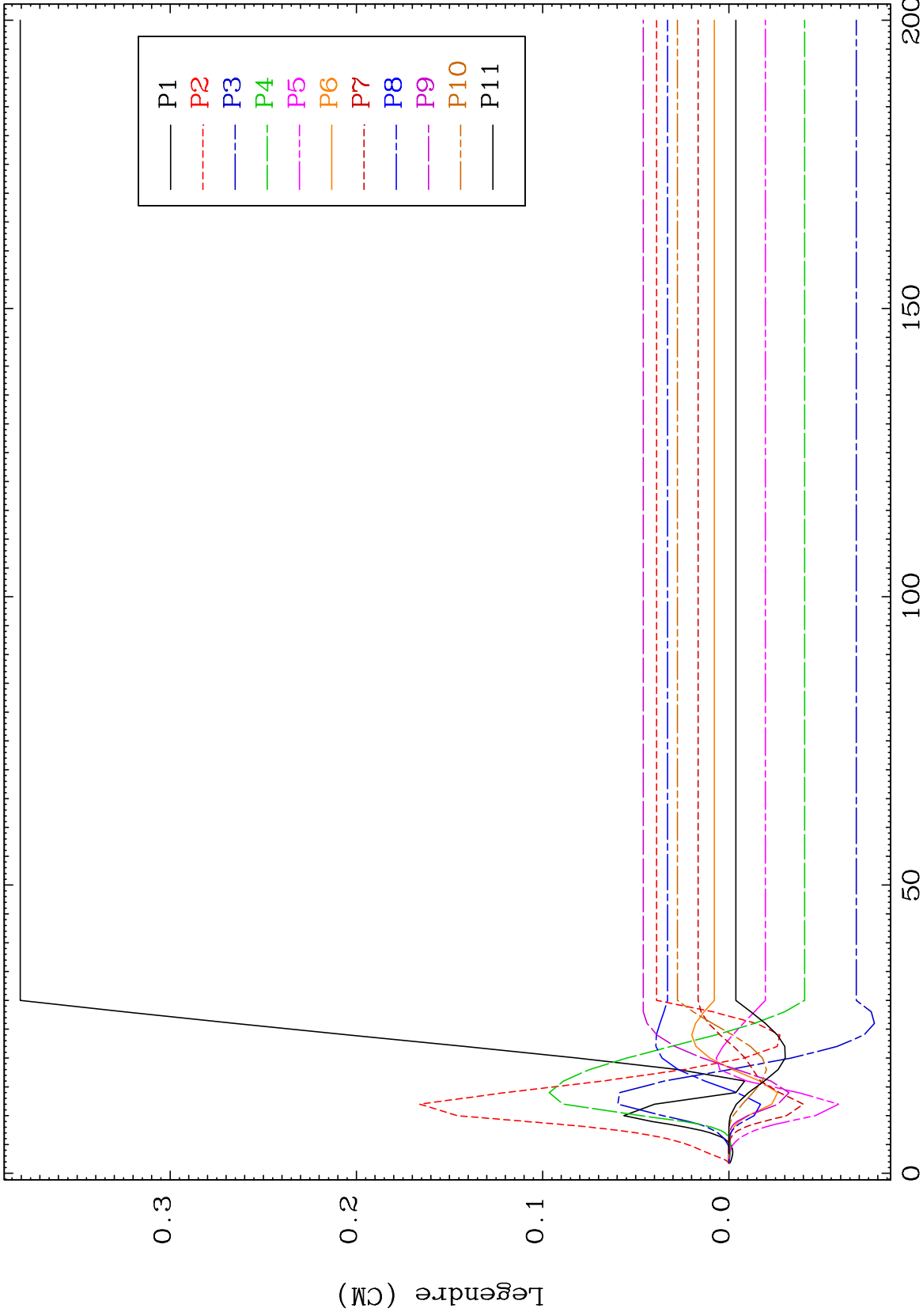
MAT 2122 MT= 77 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122

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

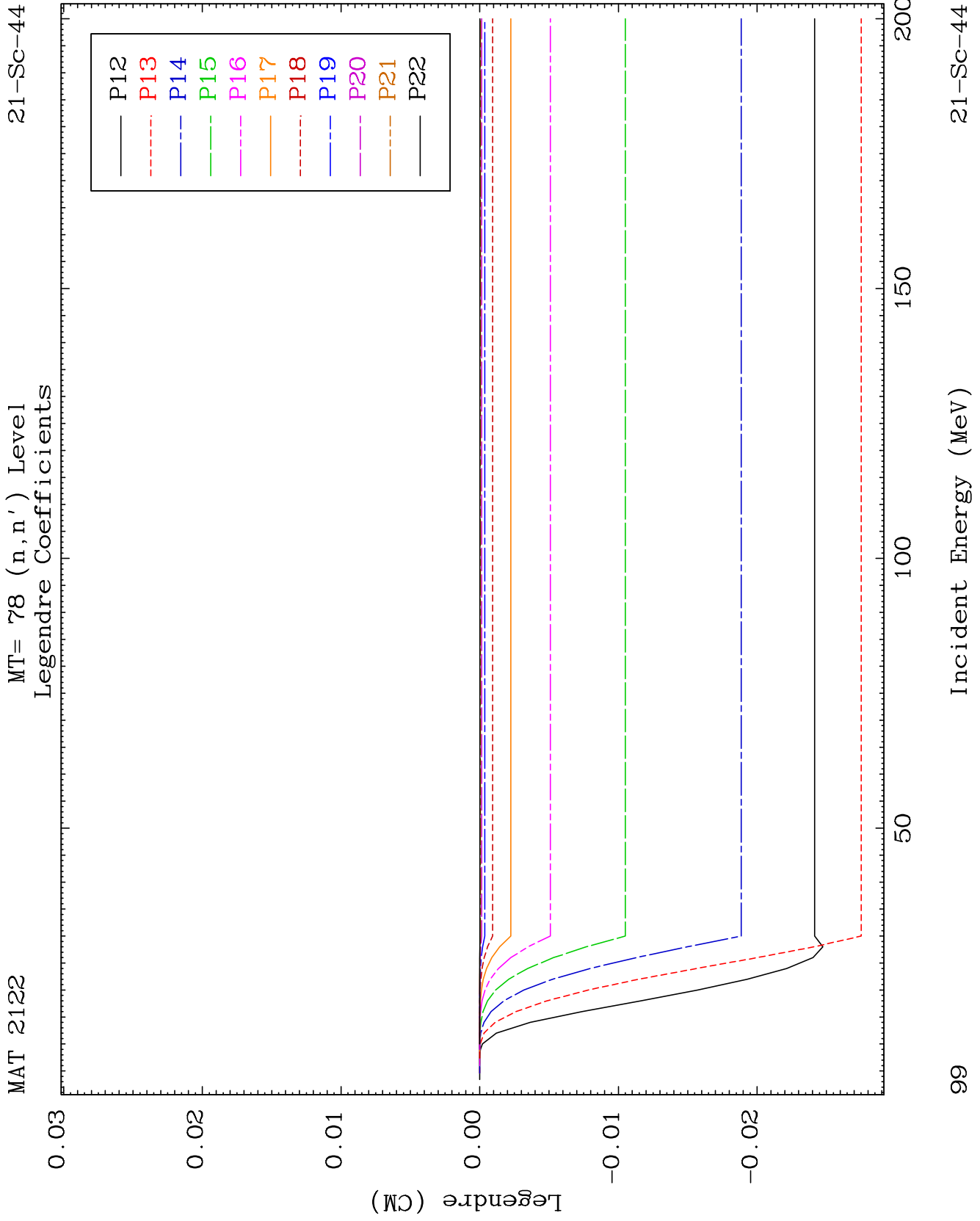
21-Sc-44

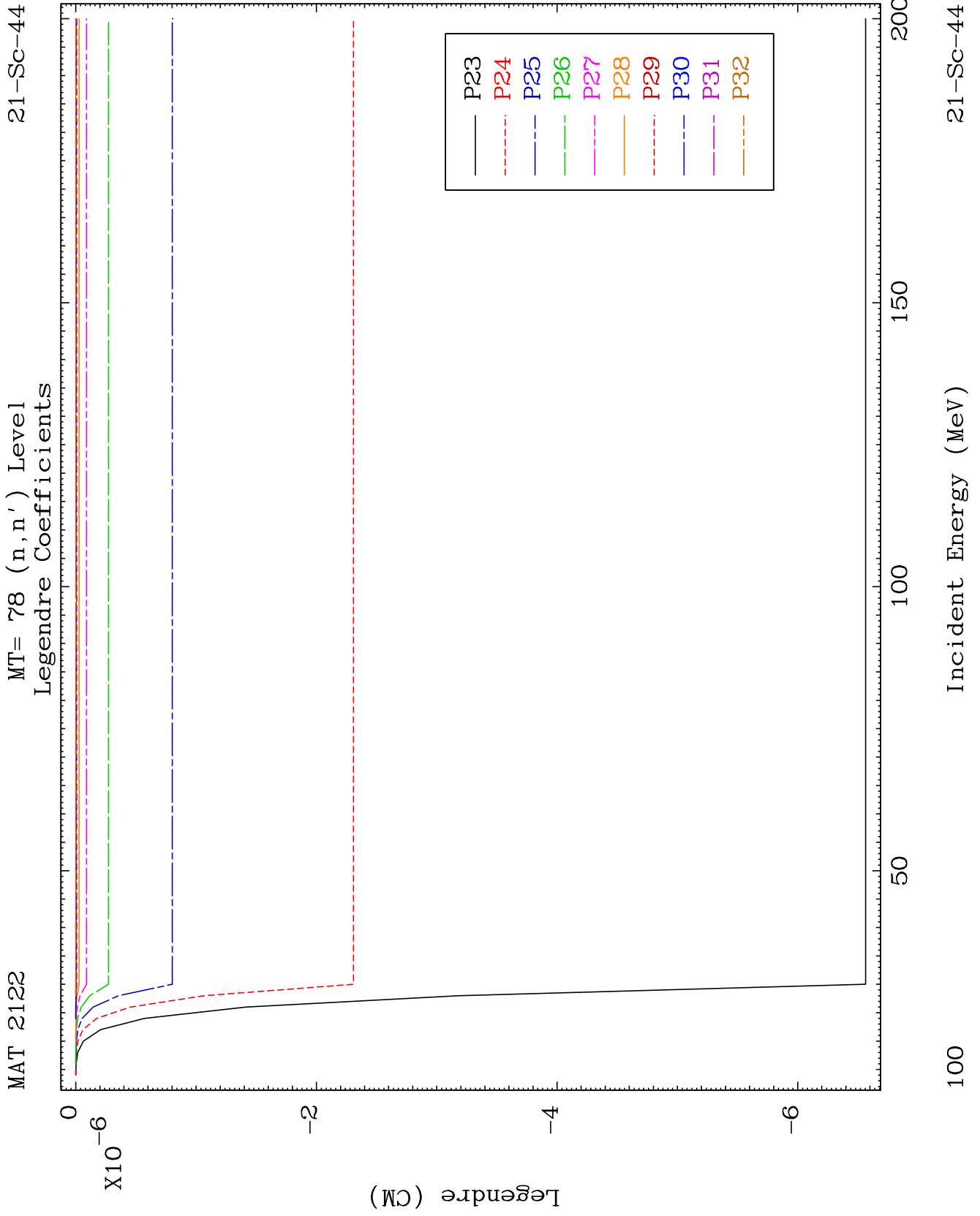


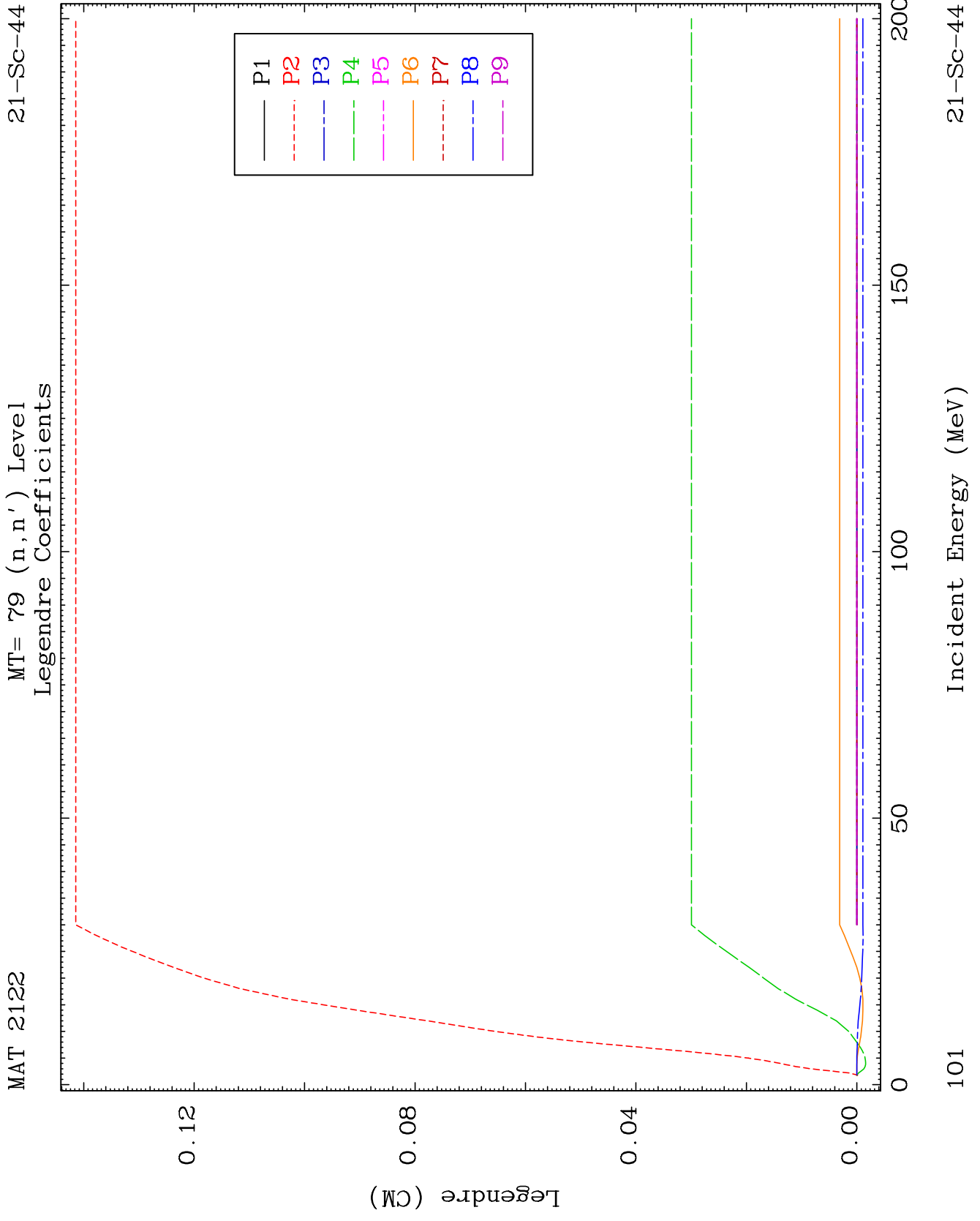
98

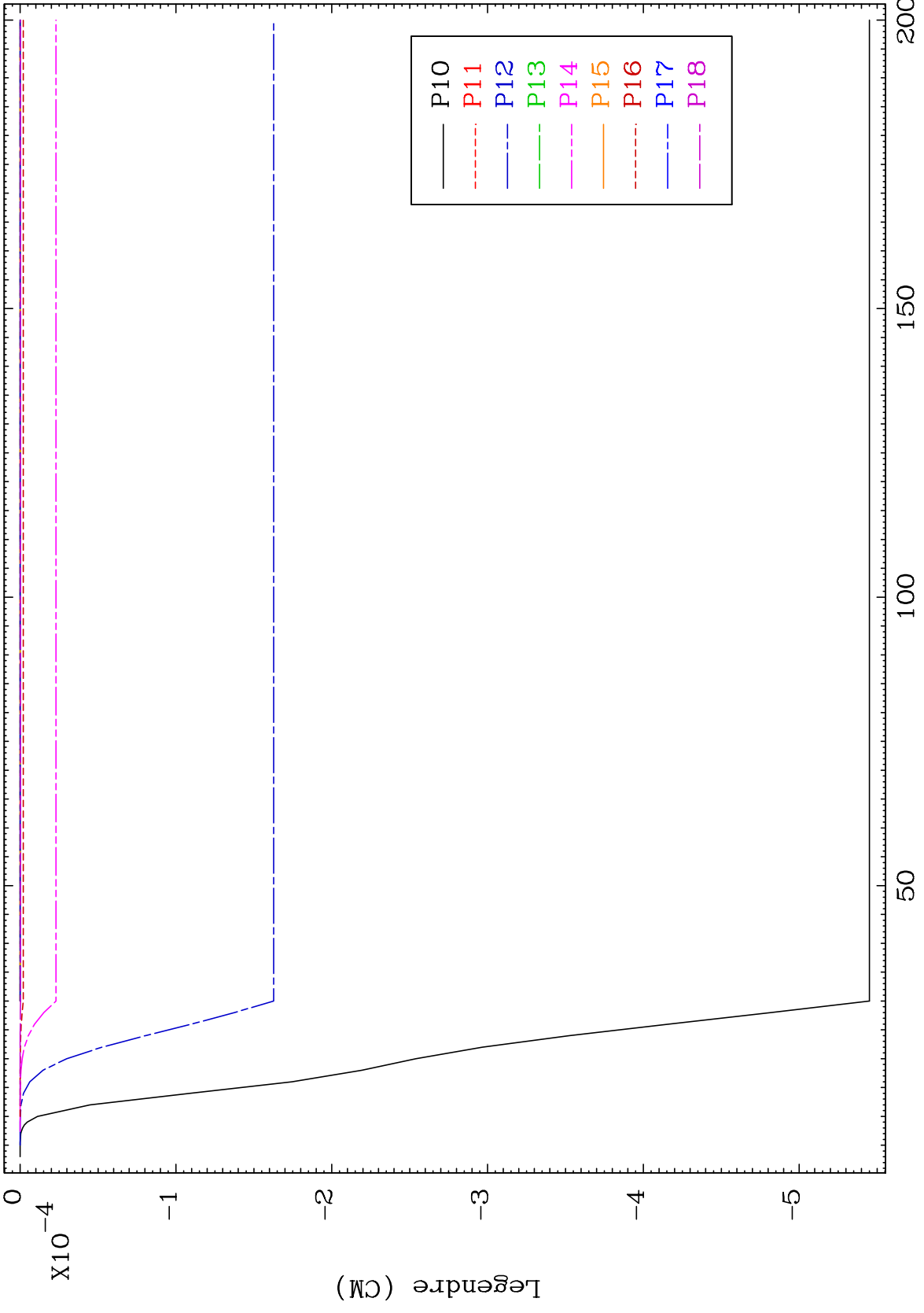
Incident Energy (MeV)

21-Sc-44

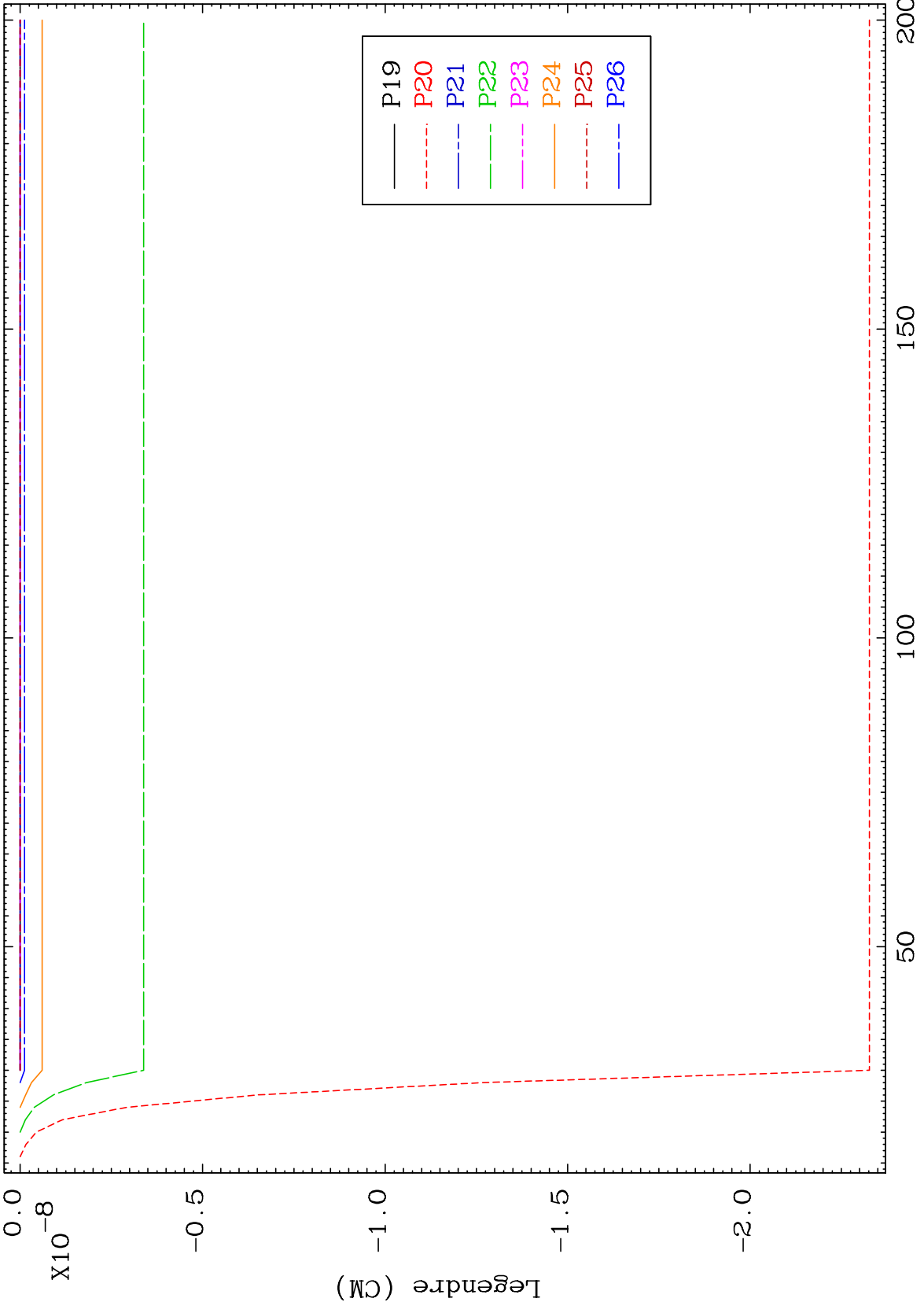








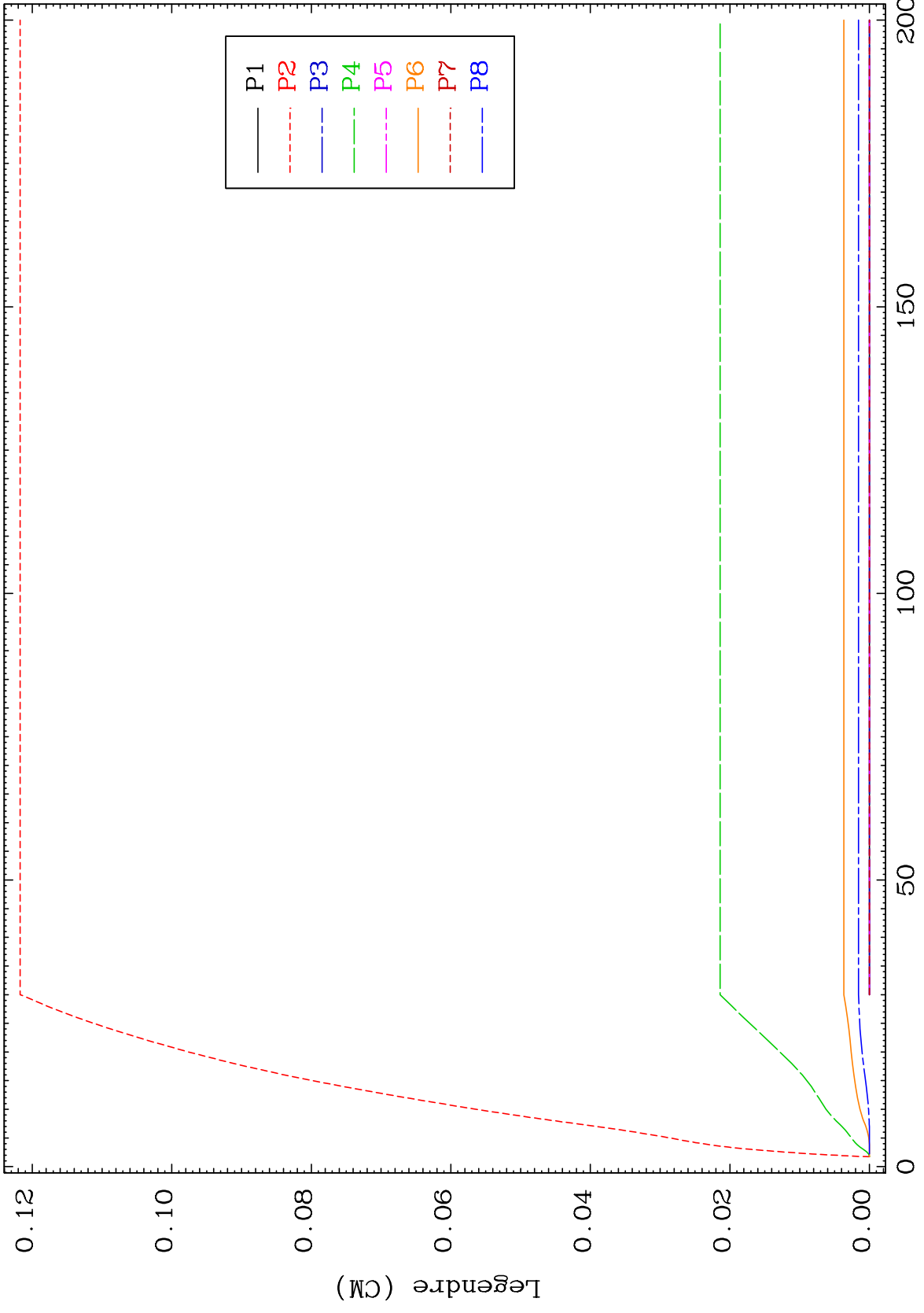
MAT 2122 MT= 79 (n,n') Level Legendre Coefficients 21-Sc-44



103 21-Sc-44

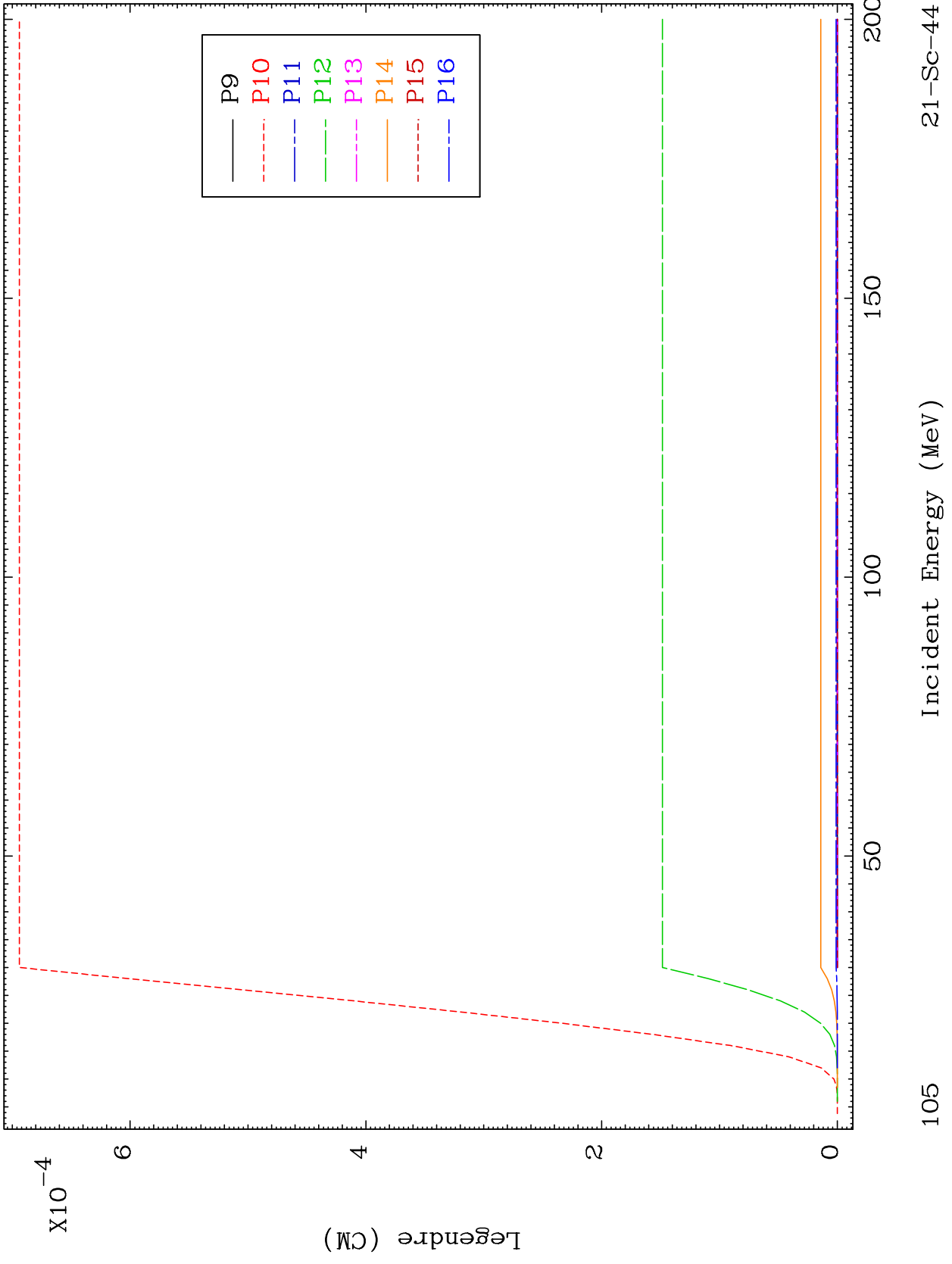


MAT 2122 MT= 80 (n,n') Level Legendre Coefficients 21-Sc-44

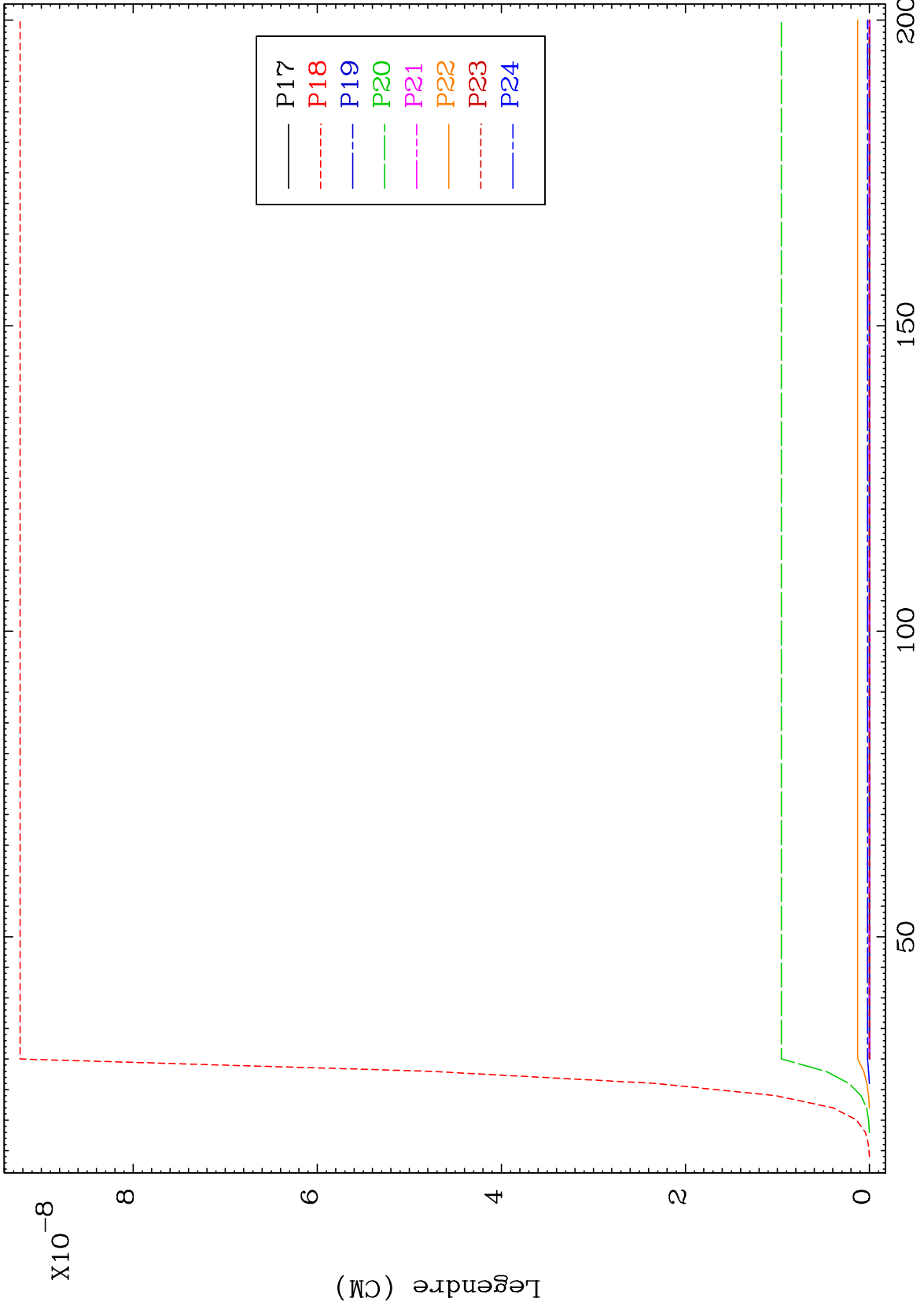


104 Incident Energy (MeV) 21-Sc-44

MAT 2122 MT= 80 (n,n') Level Legendre Coefficients 21-Sc-44



MAT 2122 MT= 80 (n,n') Level Legendre Coefficients 21-Sc-44

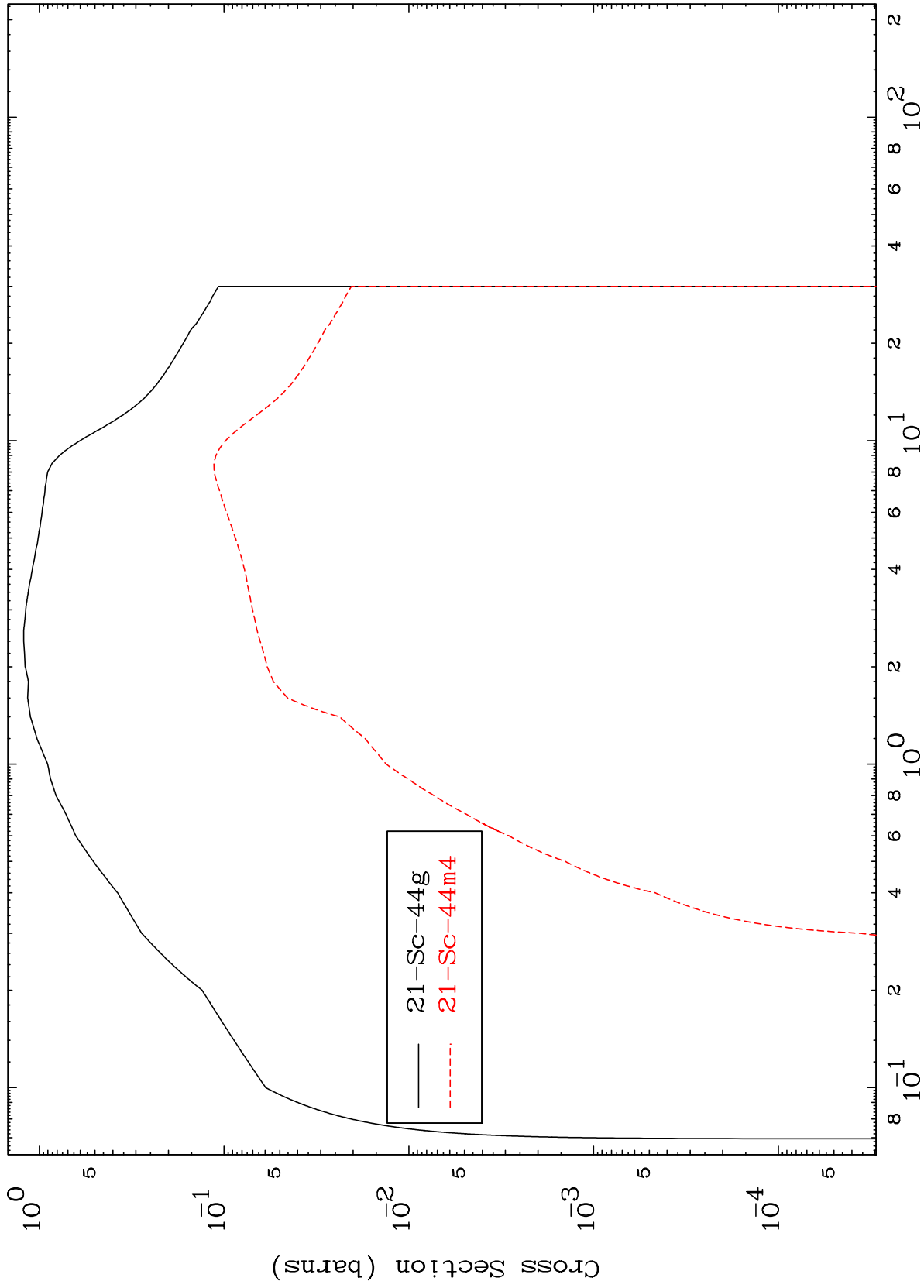


106 50 100 150 200 21-Sc-44

MAT 2122

21-Sc-44

### Inelastic Radionuclide Production Cross Section



21-Sc-44

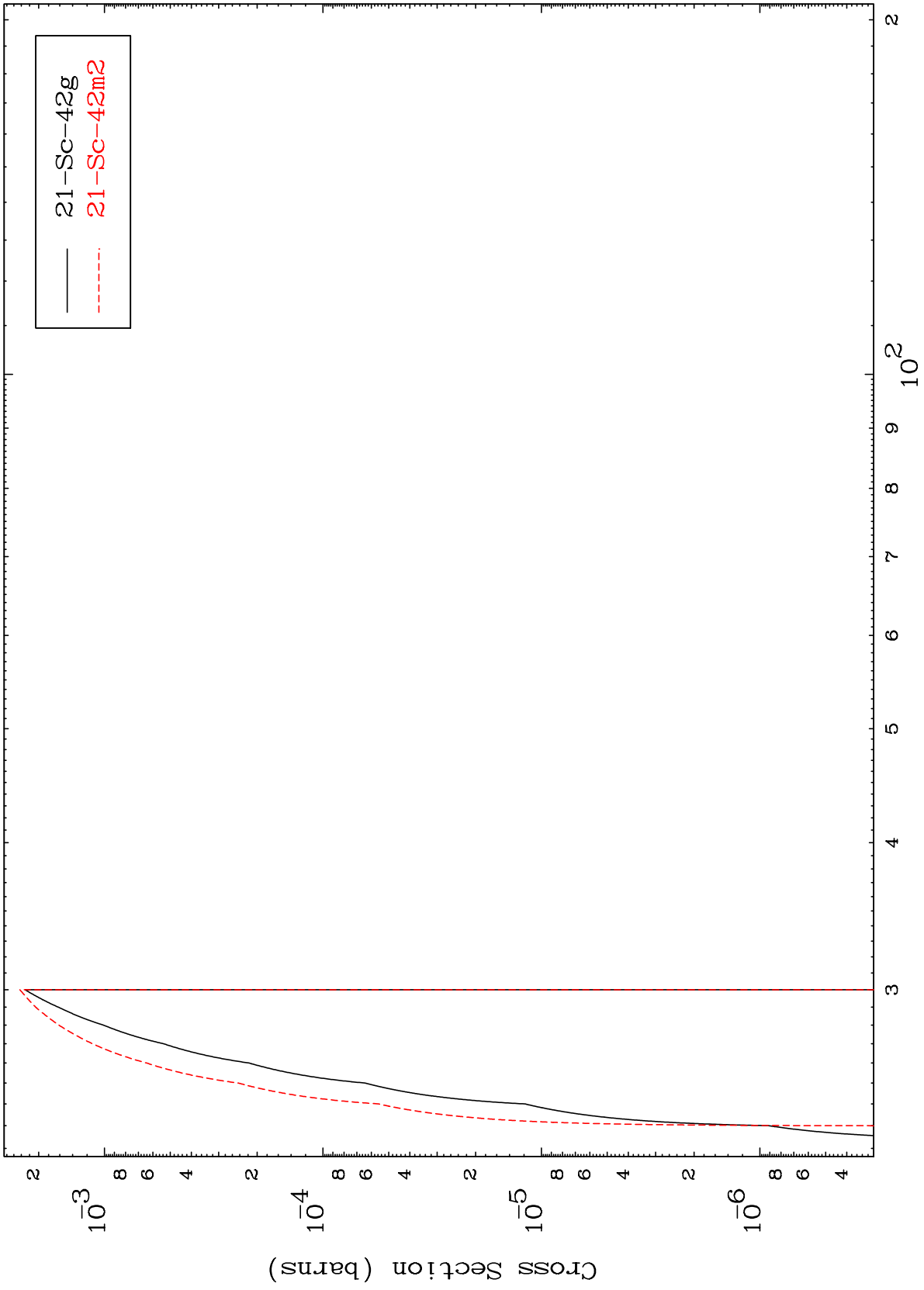
Incident Energy (MeV)

107

MAT 2122

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(n,3n)  
Radionuclide Production Cross Section



21-Sc-44

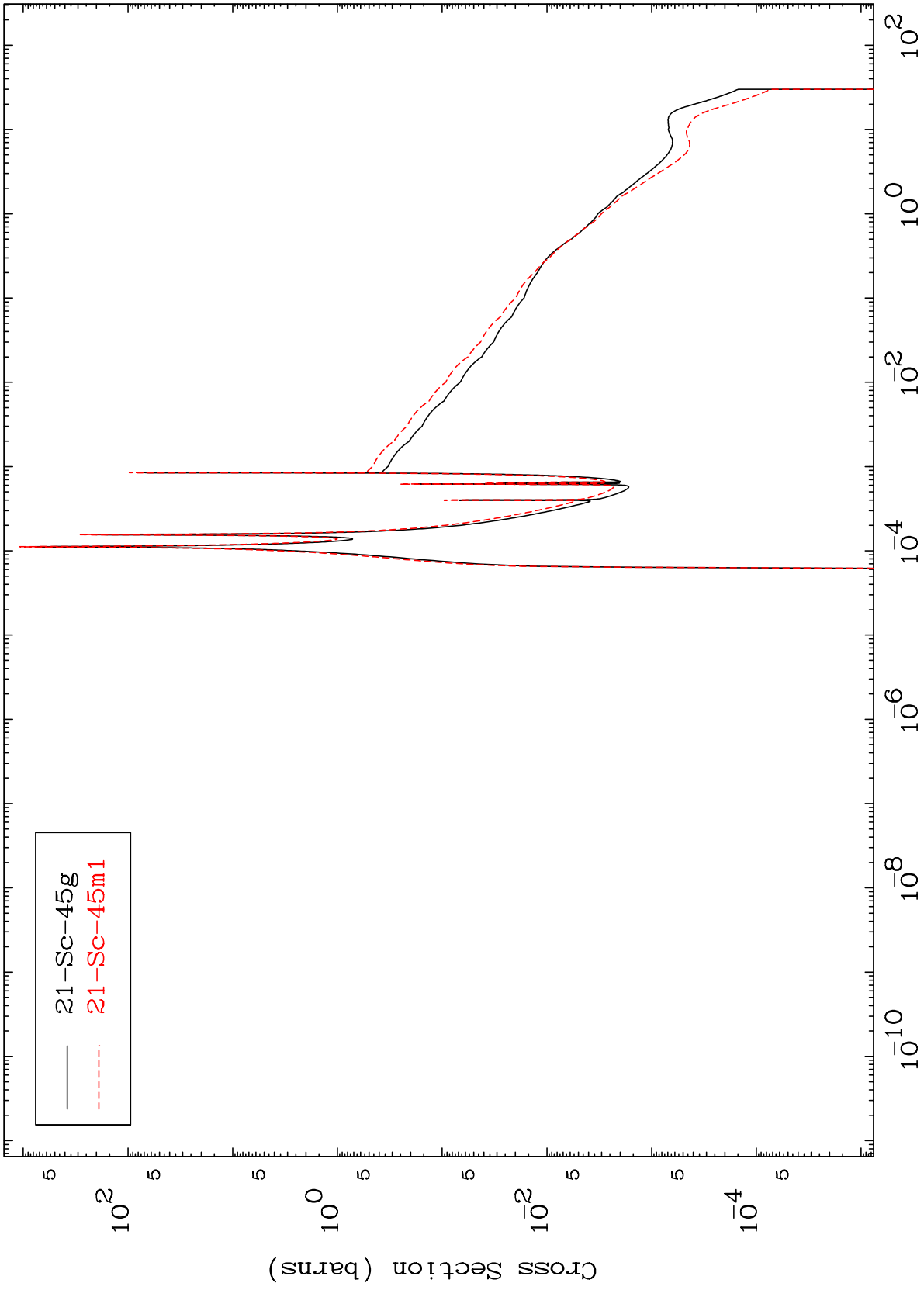
Incident Energy (MeV)

108

MAT 2122

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Radionuclide Production Cross Section



21-Sc-44

Incident Energy (MeV)

109