

Program EVALPLOT  
(Version 2018-1)

by

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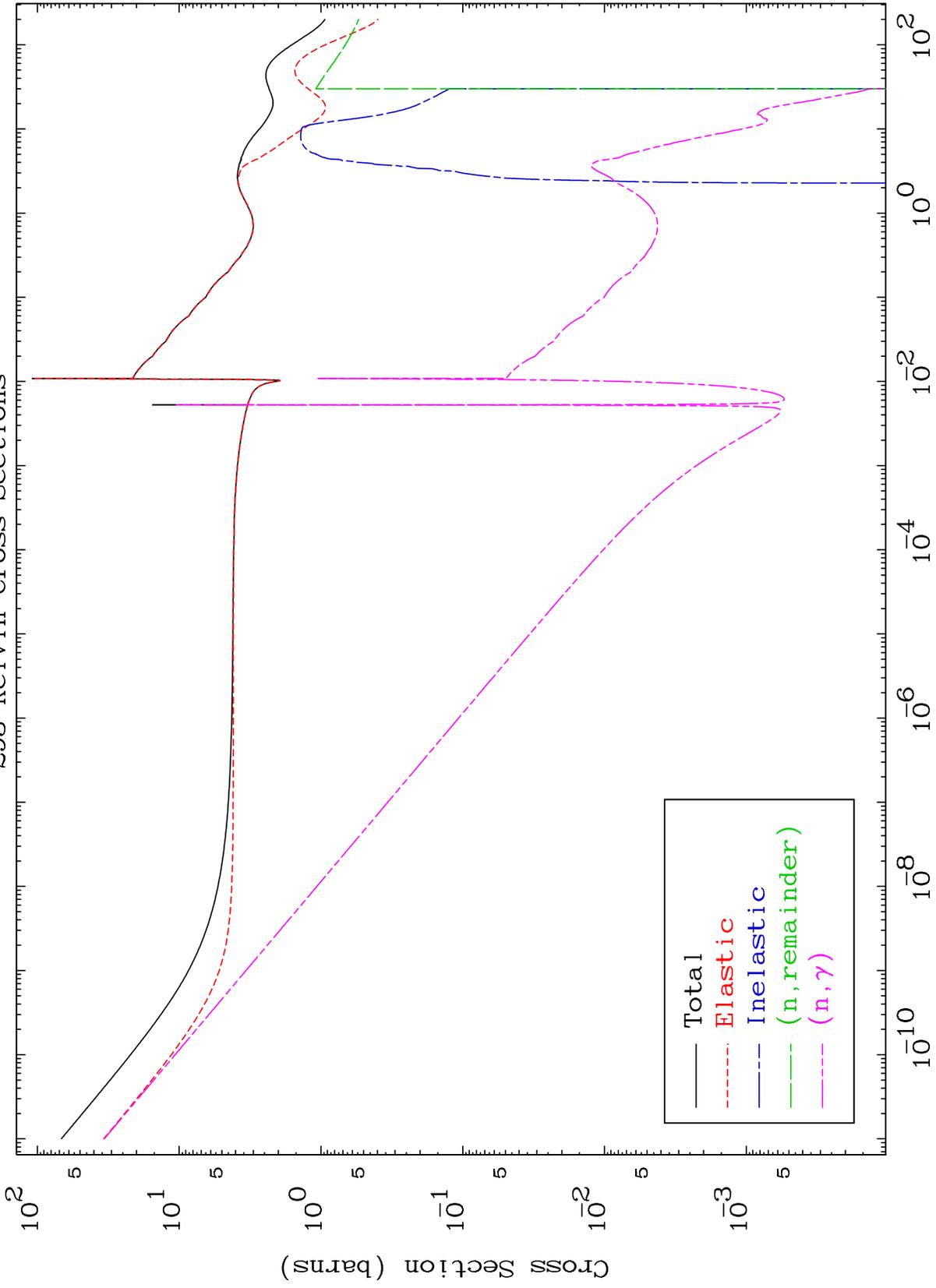
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MAT 2137

Major

293 Kelvin Cross Sections

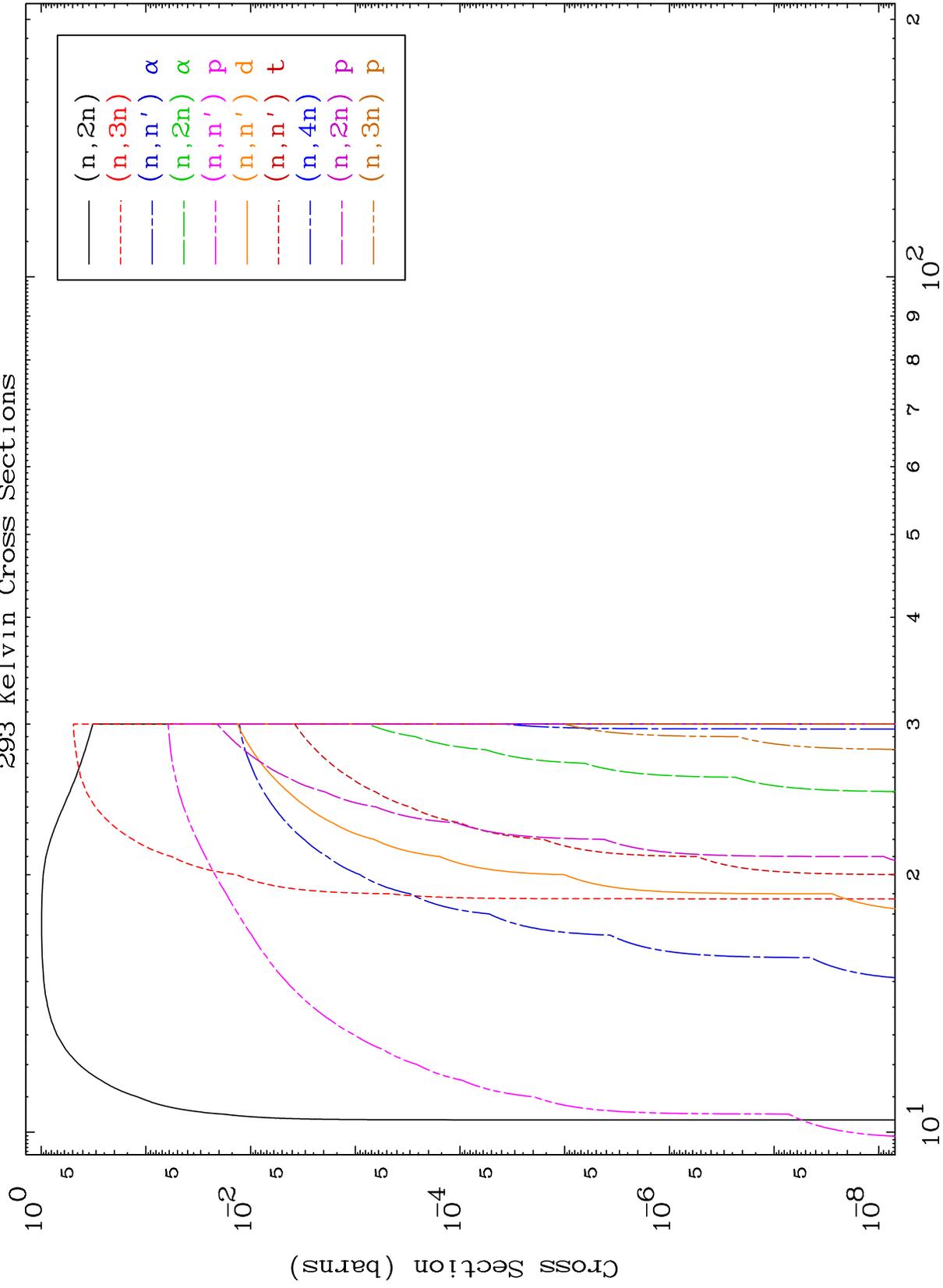
21-Sc-49



MAT 2137

Neutron Production  
293 Kelvin Cross Sections

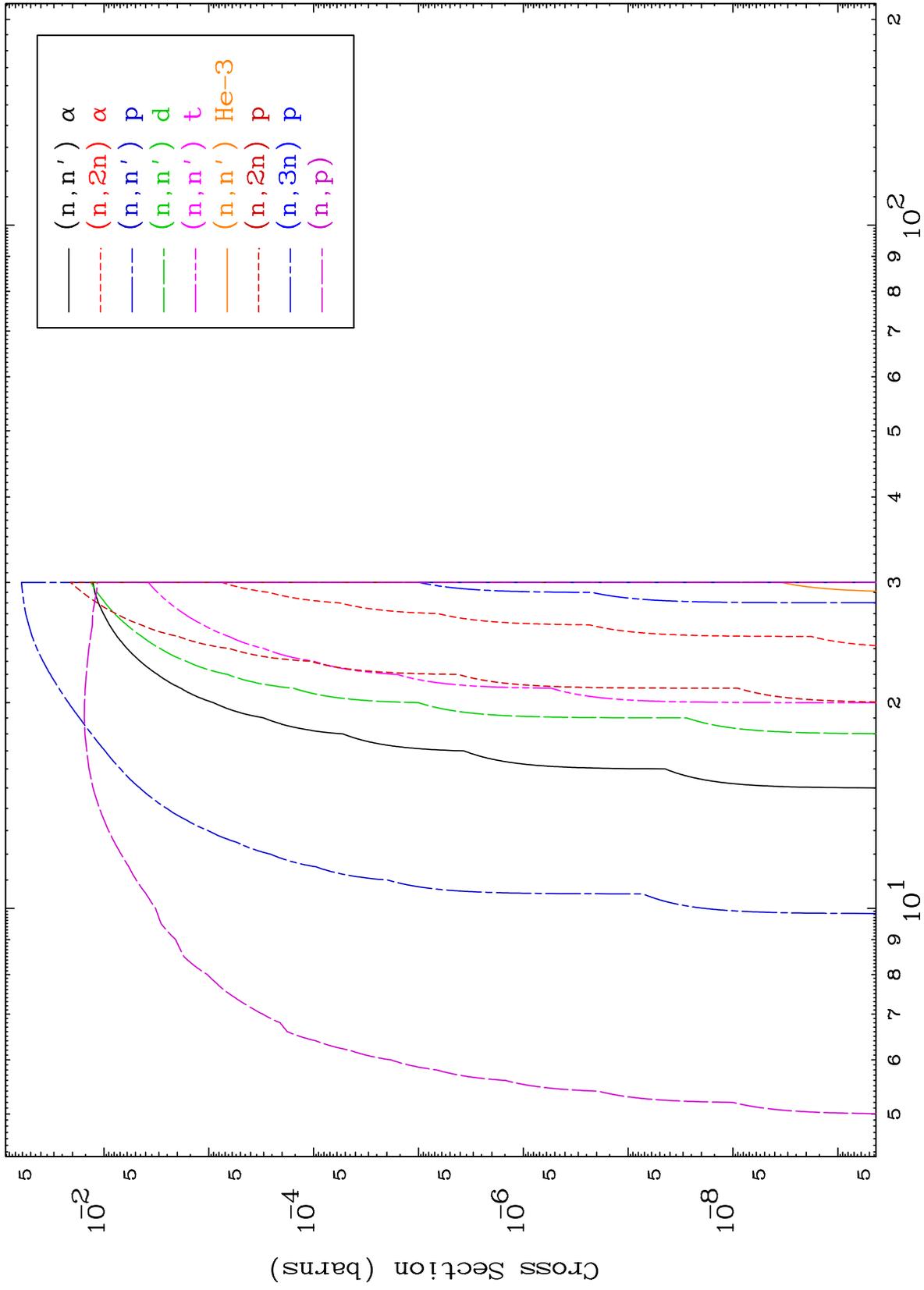
21-Sc-49



MAT 2137

Charged Particle  
293 Kelvin Cross Sections

21-Sc-49



3

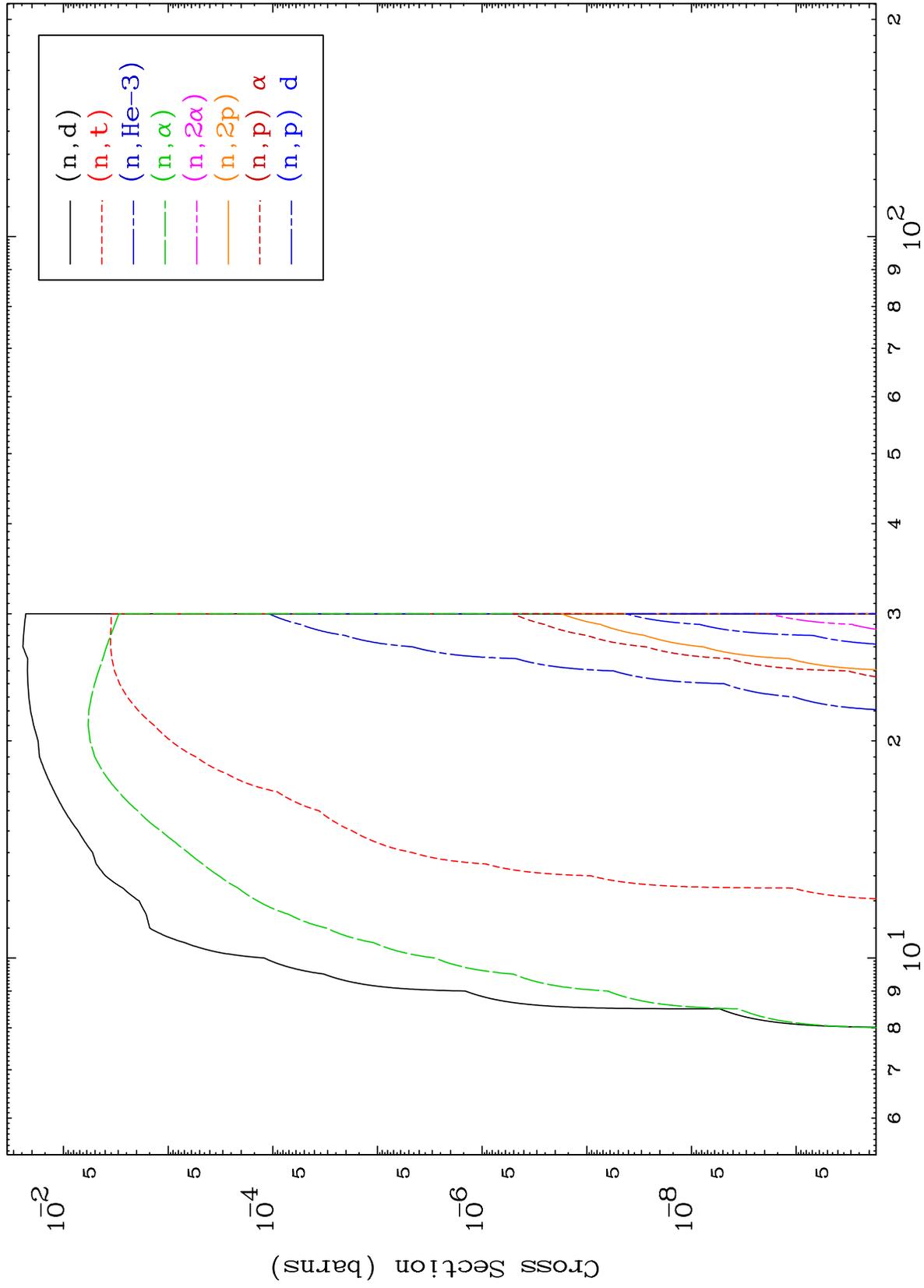
Incident Energy (MeV)

21-Sc-49

MAT 2137

Charged Particle  
293 Kelvin Cross Sections

21-Sc-49



4

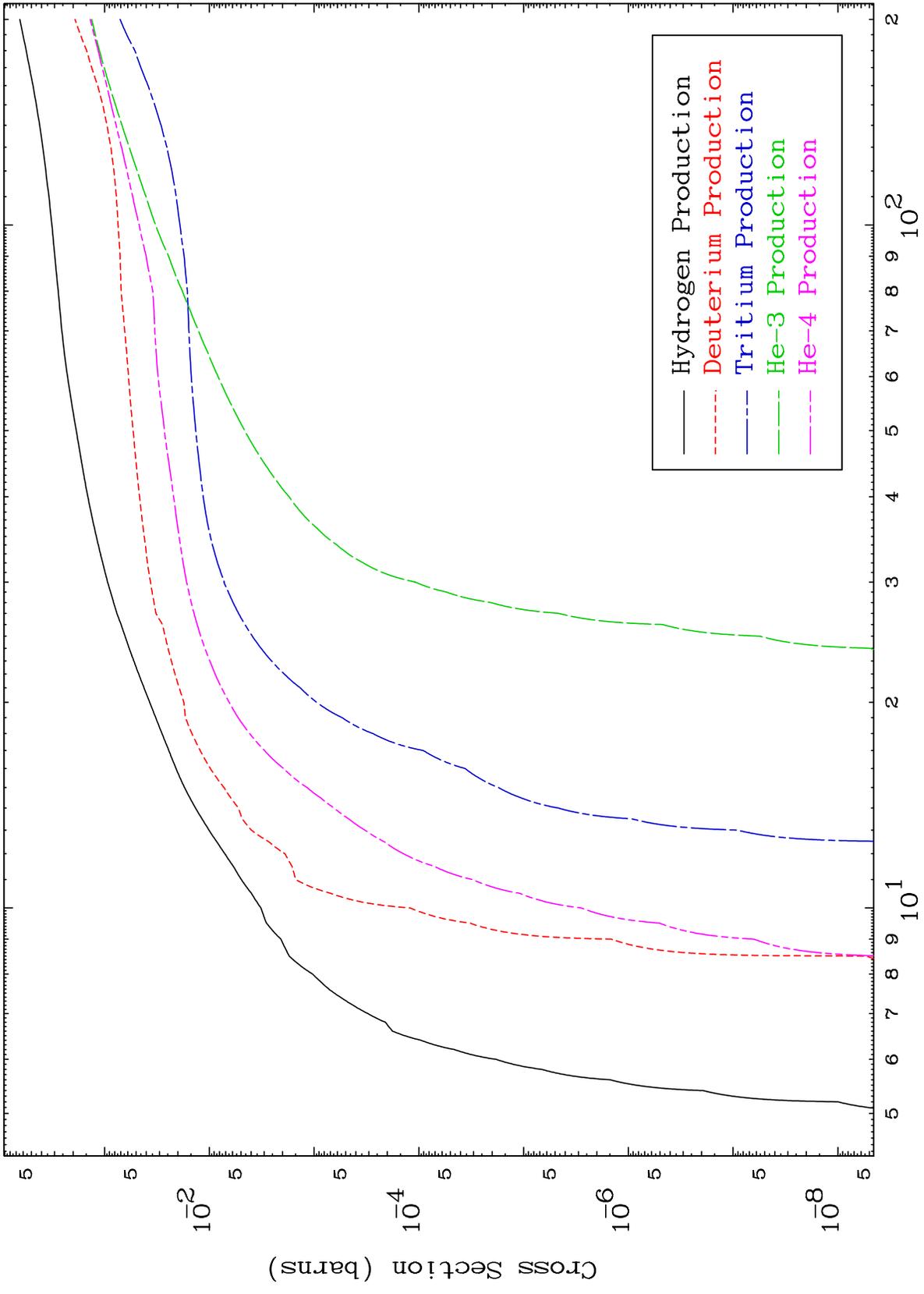
Incident Energy (MeV)

21-Sc-49

MAT 2137

Particle Production  
293 Kelvin Cross Sections

21-Sc-49



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Incident Energy (MeV)

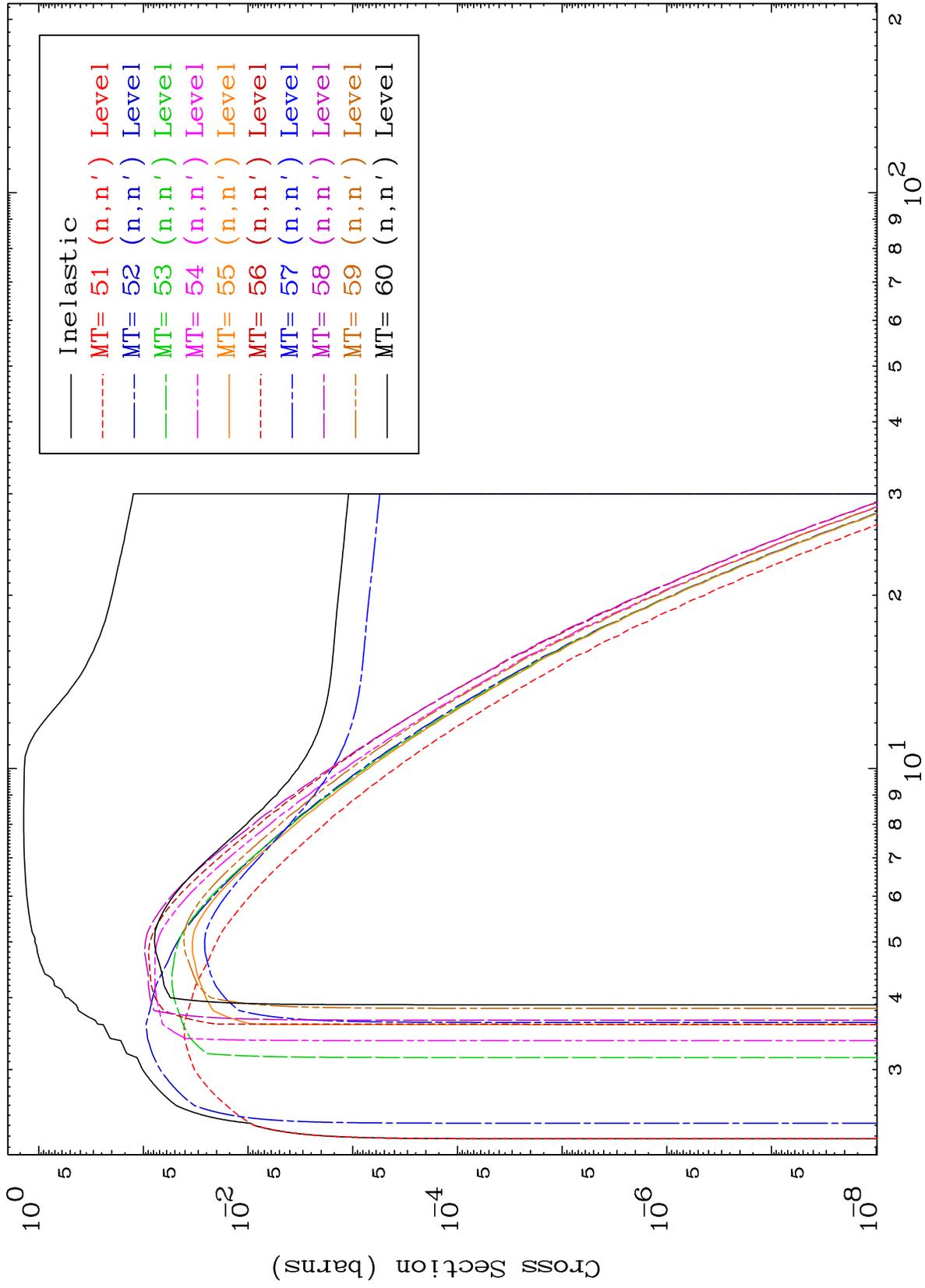
21-Sc-49

MAT 2137

(n,n') Level

21-Sc-49

293 Kelvin Cross Sections



6

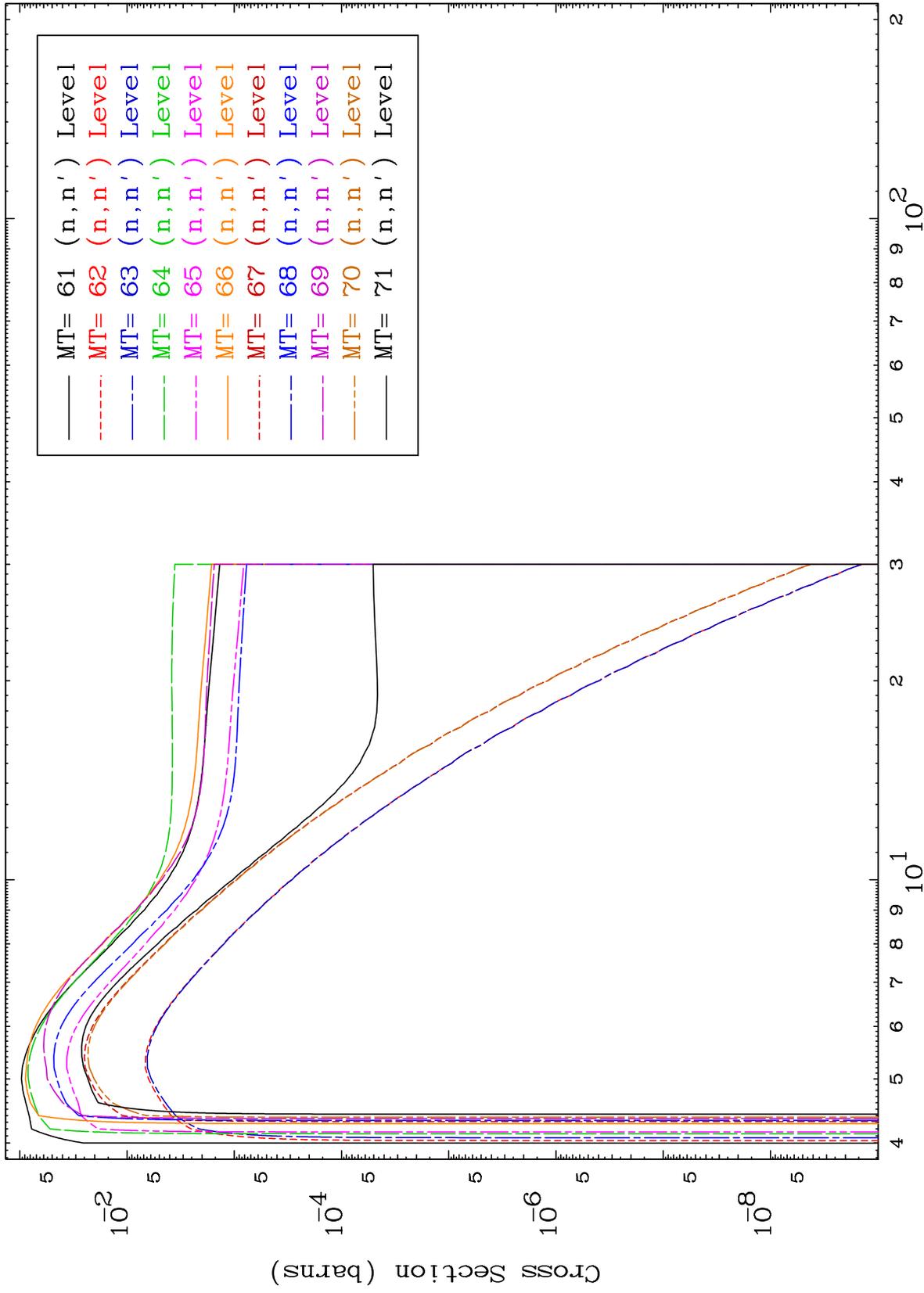
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21-Sc-49

MAT 2137

(n,n') Level  
293 Kelvin Cross Sections

21-Sc-49



7

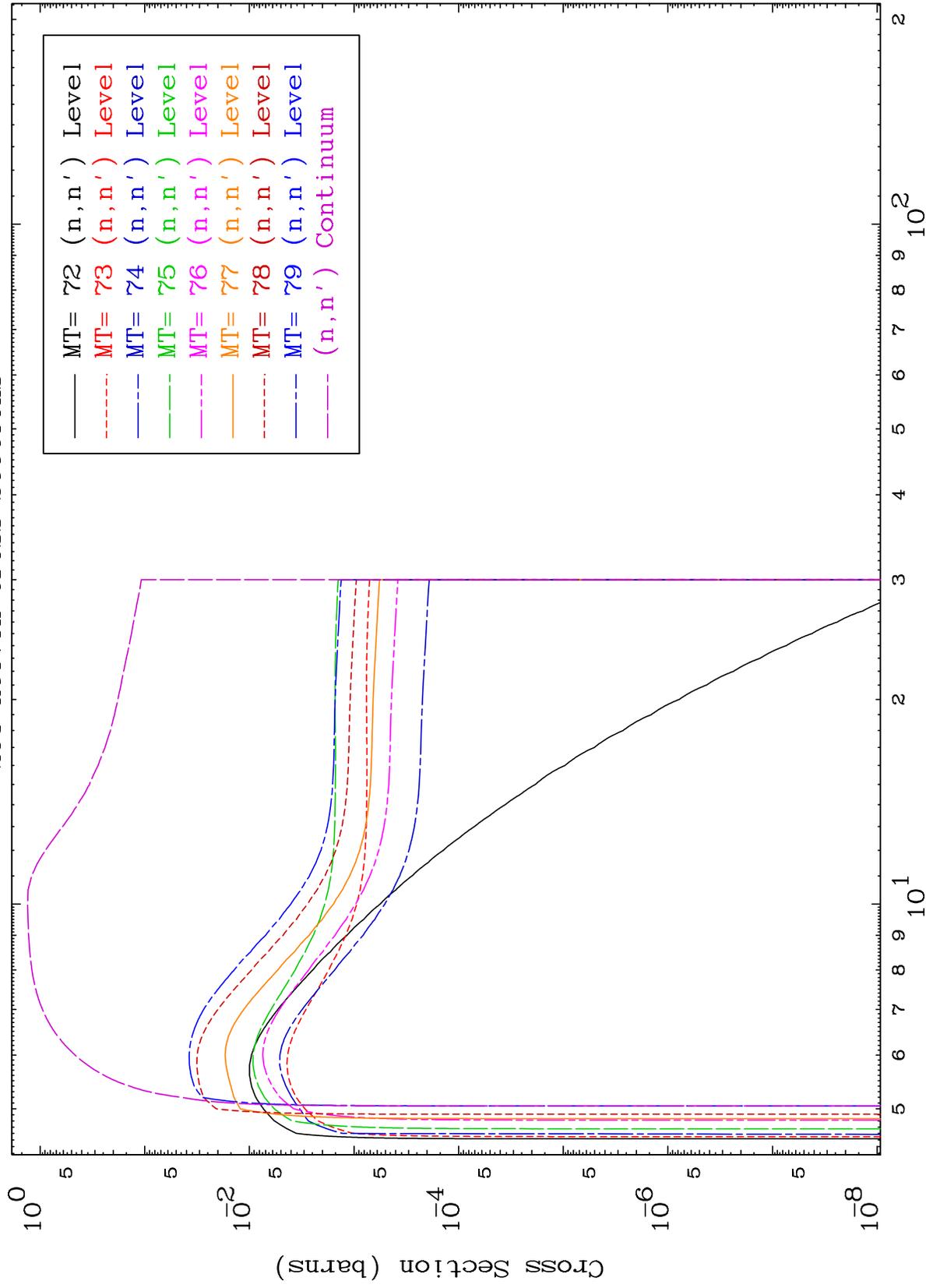
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21-Sc-49

MAT 2137

(n,n') Level  
293 Kelvin Cross Sections

21-Sc-49



8

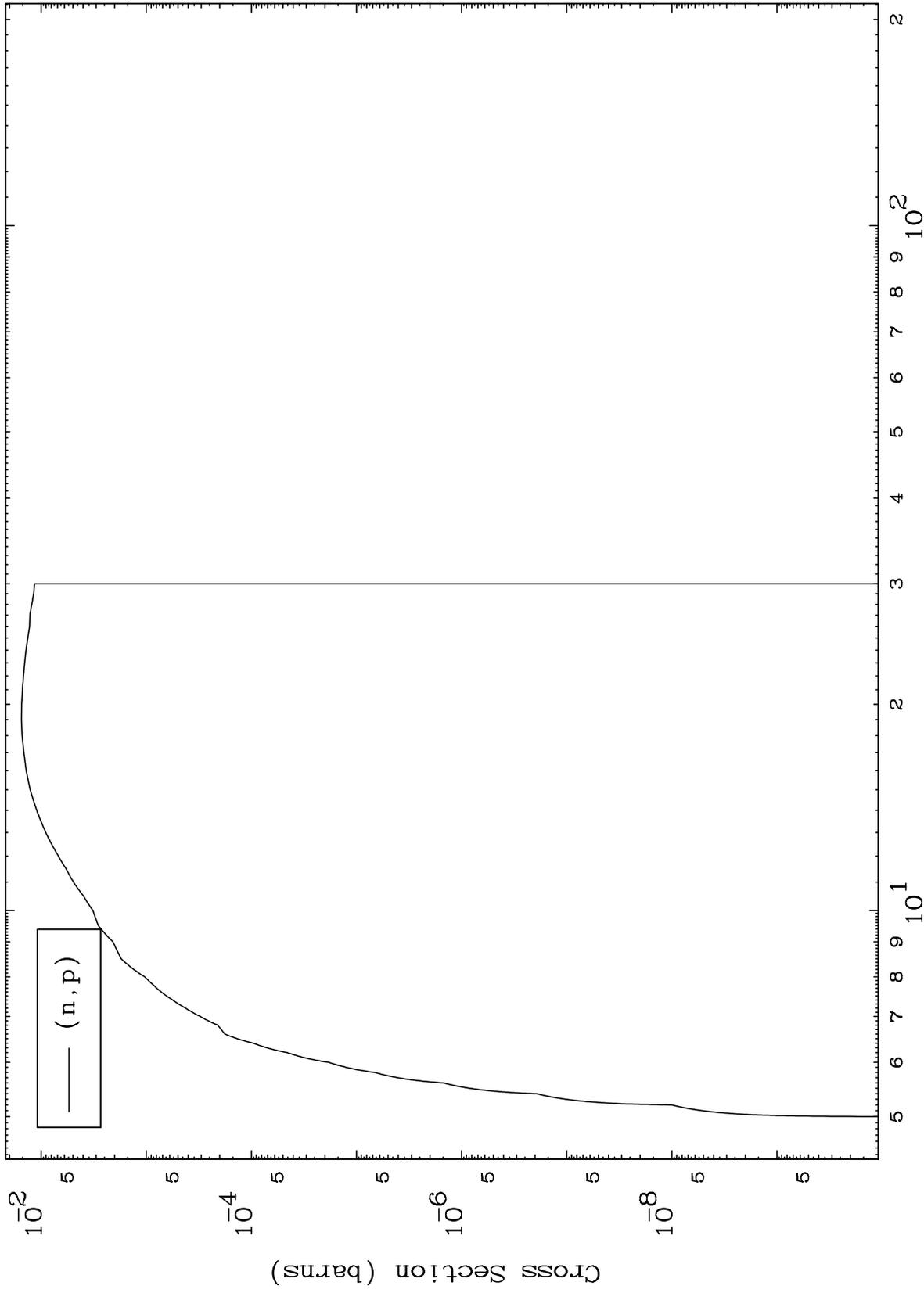
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21-Sc-49

MAT 2137

(n,p) Levels  
293 Kelvin Cross Sections

21-Sc-49



9

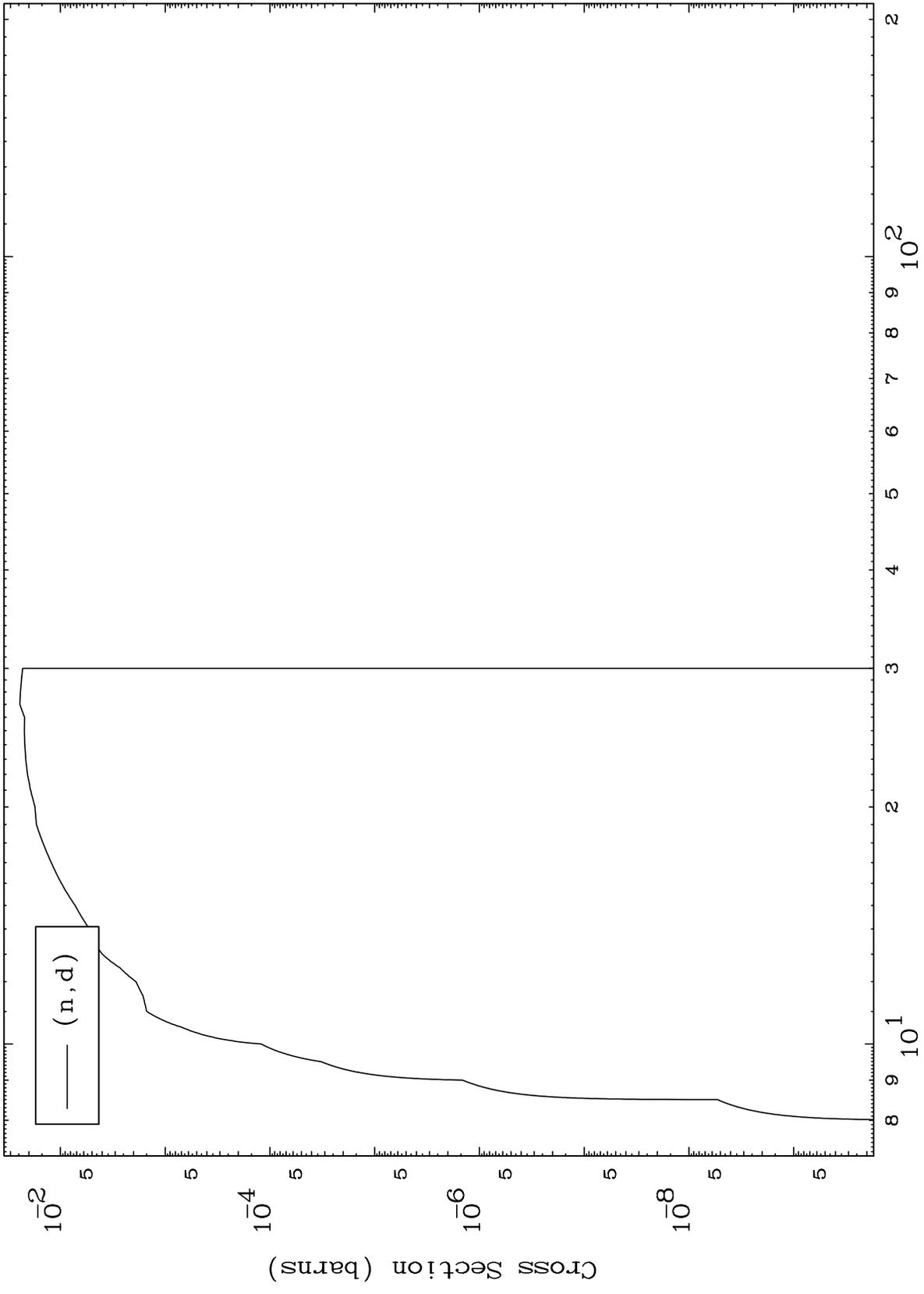
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21-Sc-49

MAT 2137

(n,d) Levels  
293 Kelvin Cross Sections

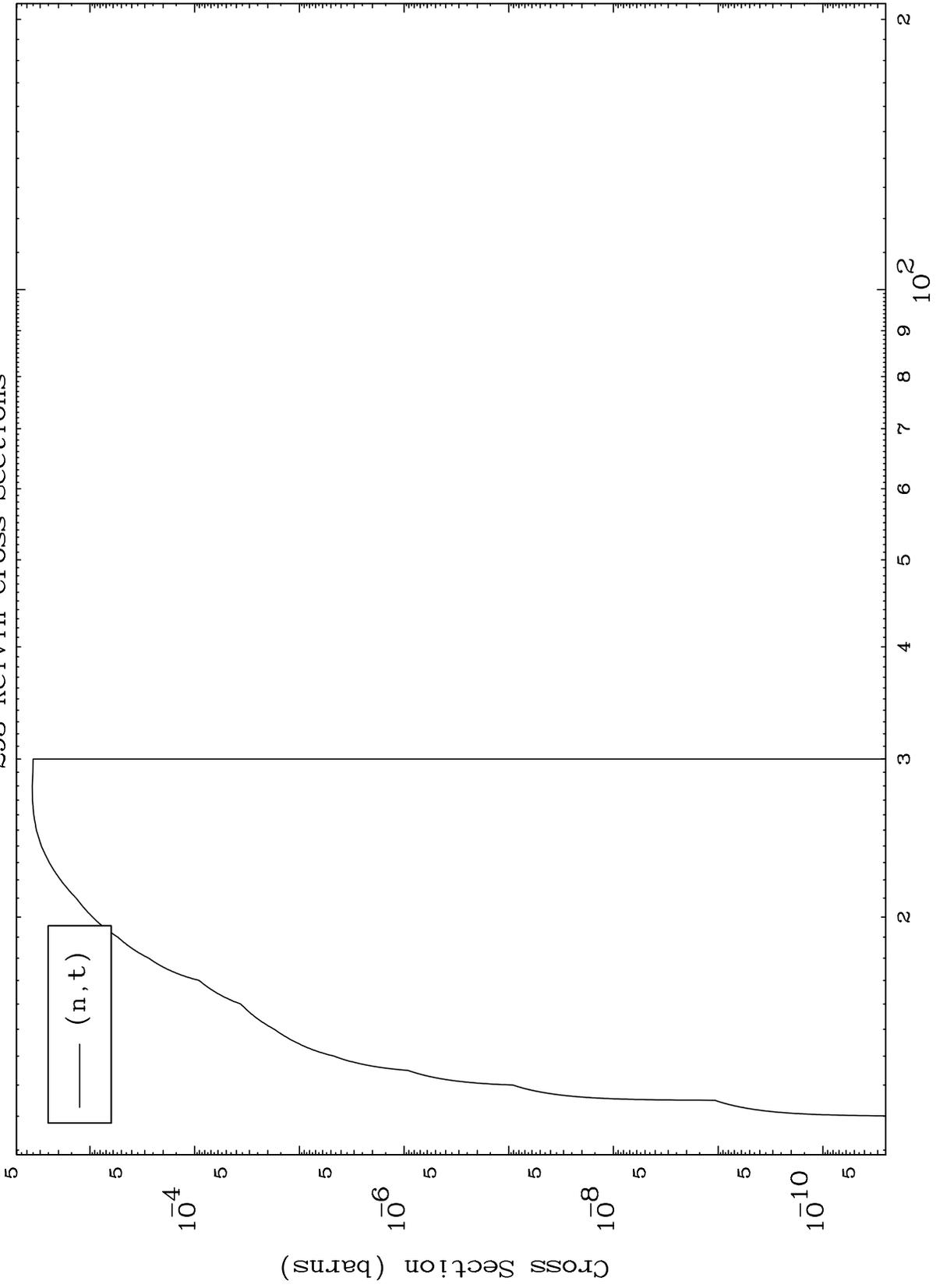
21-Sc-49



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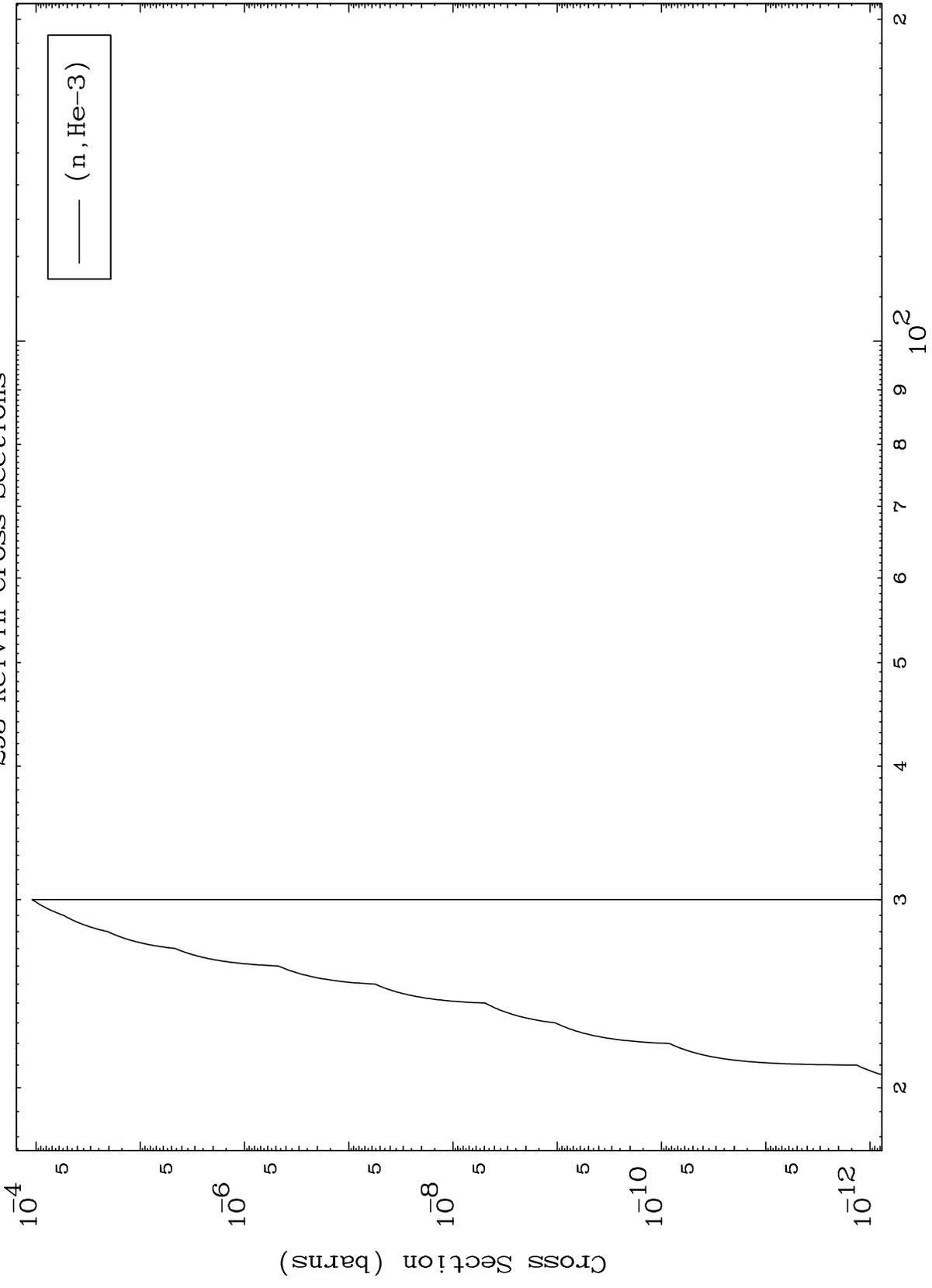
21-Sc-49



MAT 2137

(n,He3) Levels  
293 Kelvin Cross Sections

21-Sc-49



12

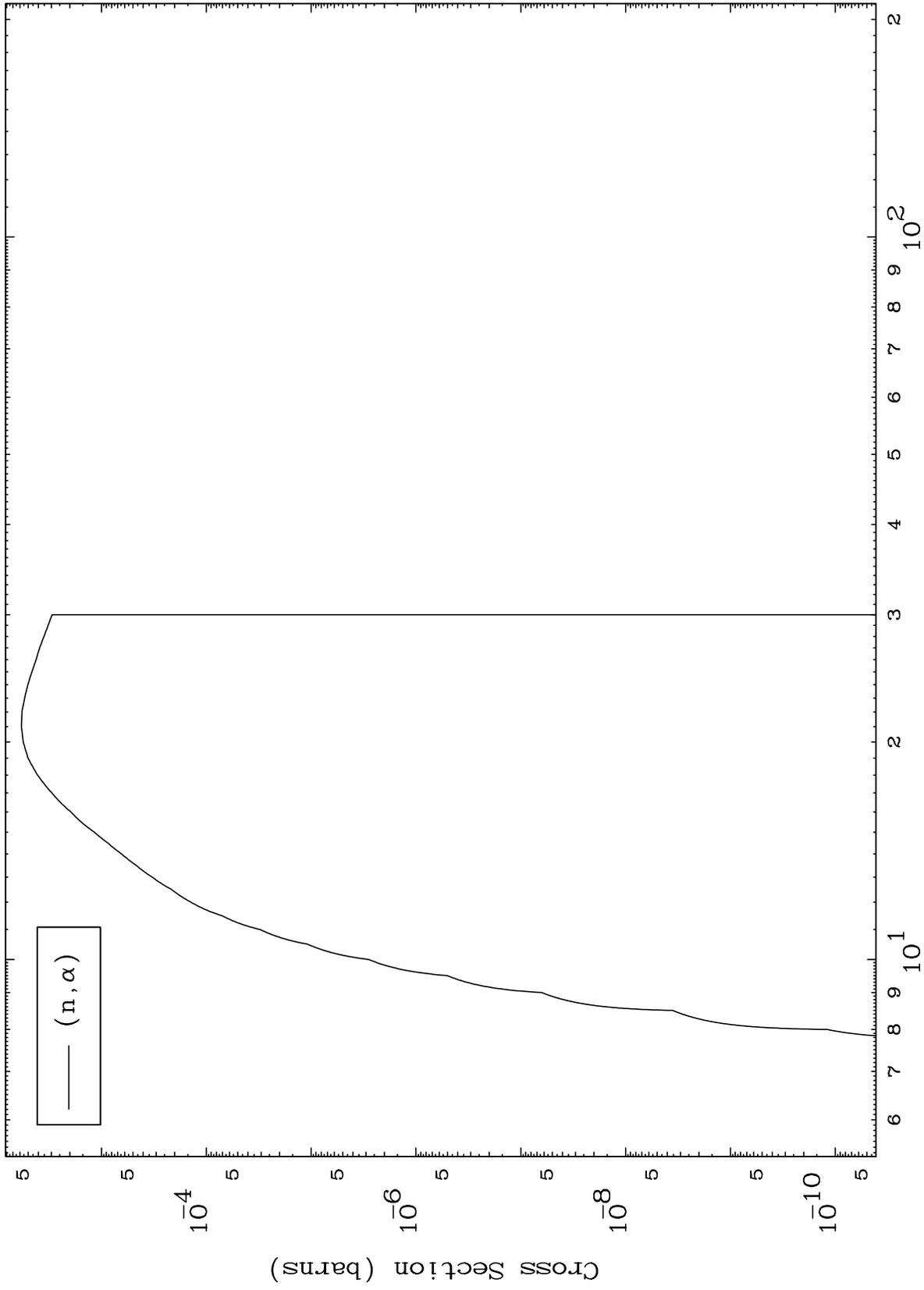
Incident Energy (MeV)

21-Sc-49

MAT 2137

(n,α) Levels  
293 Kelvin Cross Sections

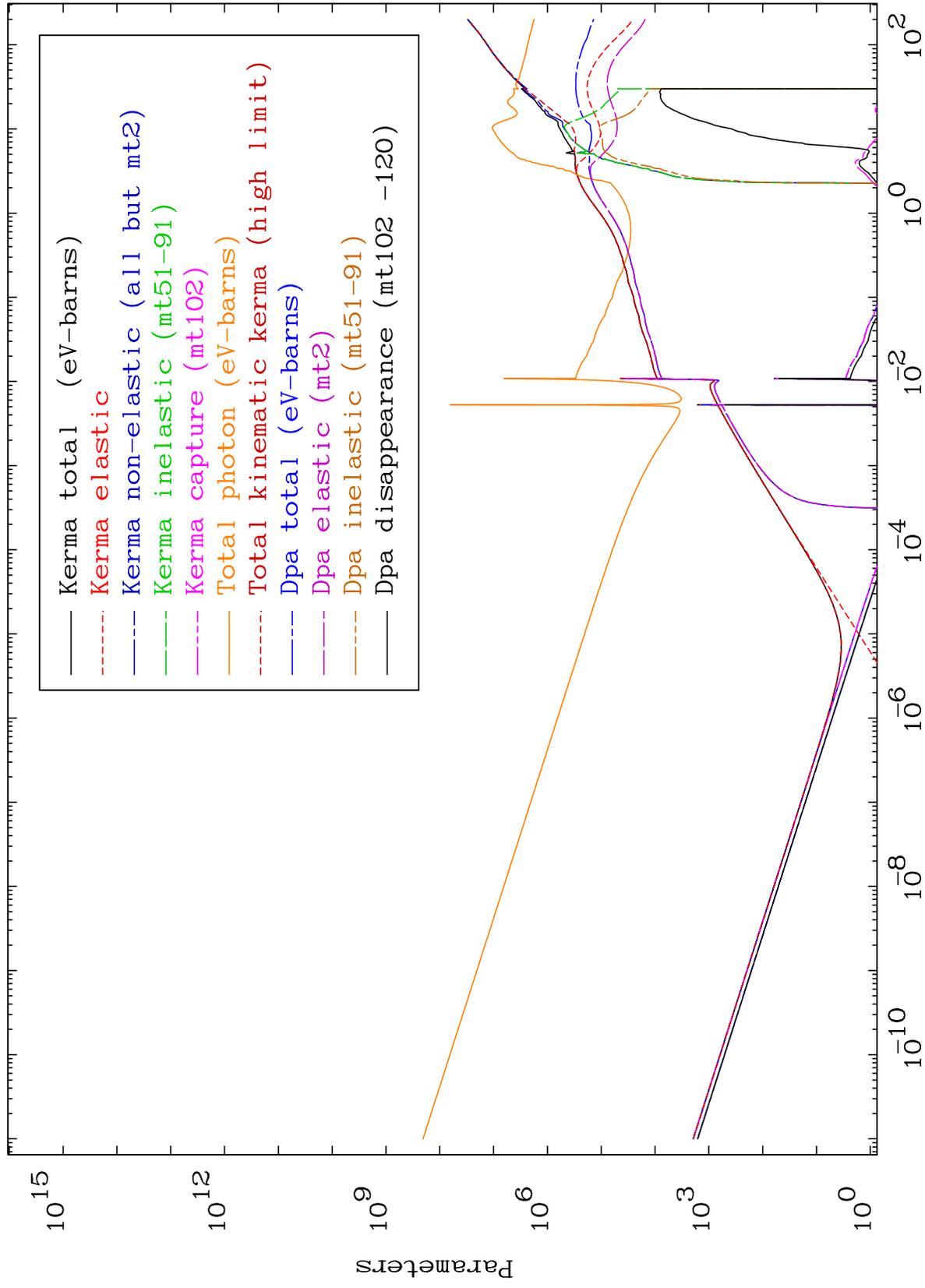
21-Sc-49



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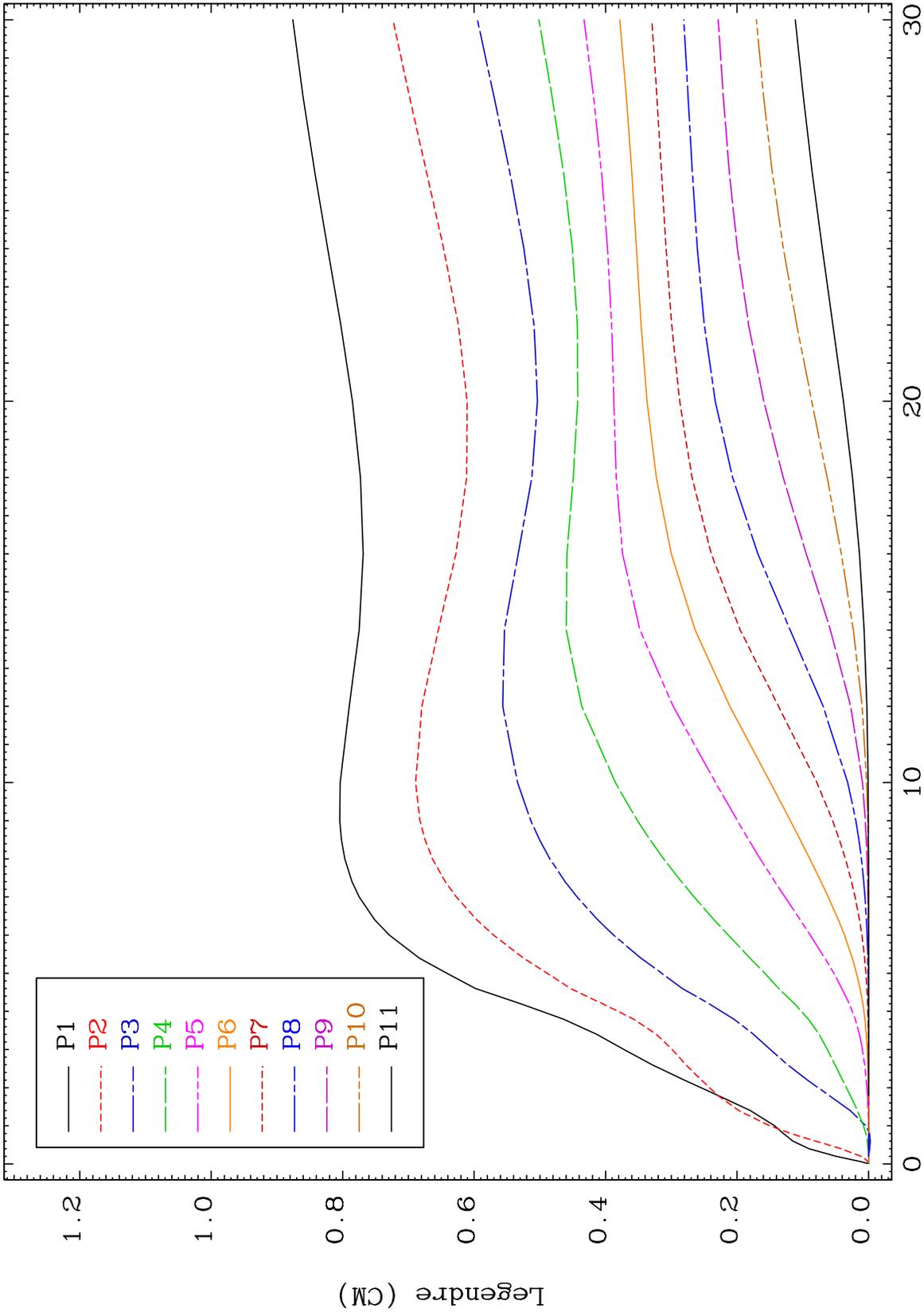
21-Sc-49



MAT 2137

Elastic Legendre Coefficients

21-Sc-49



15

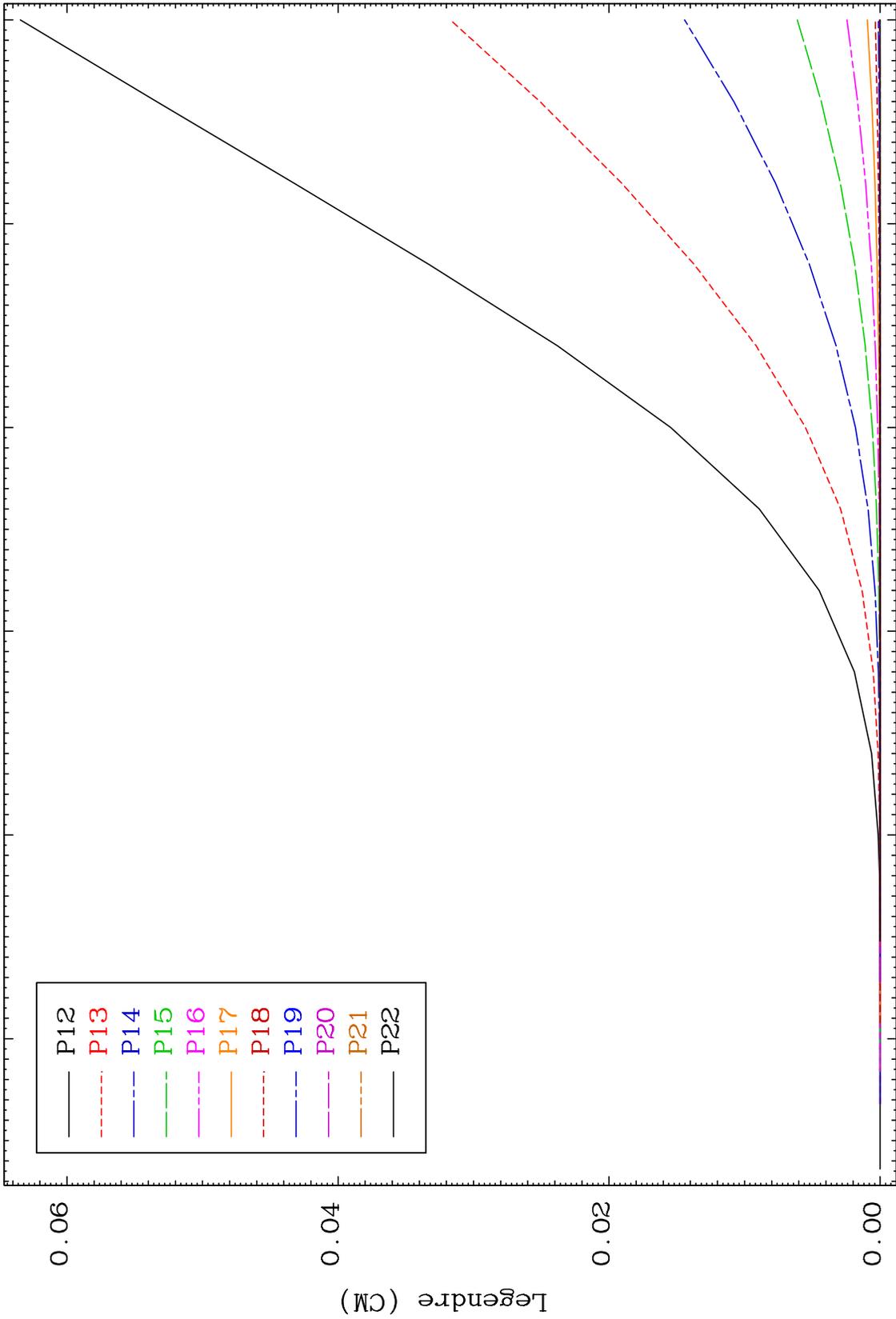
Incident Energy (MeV)

21-Sc-49

MAT 2137

Elastic  
Legendre Coefficients

21-Sc-49



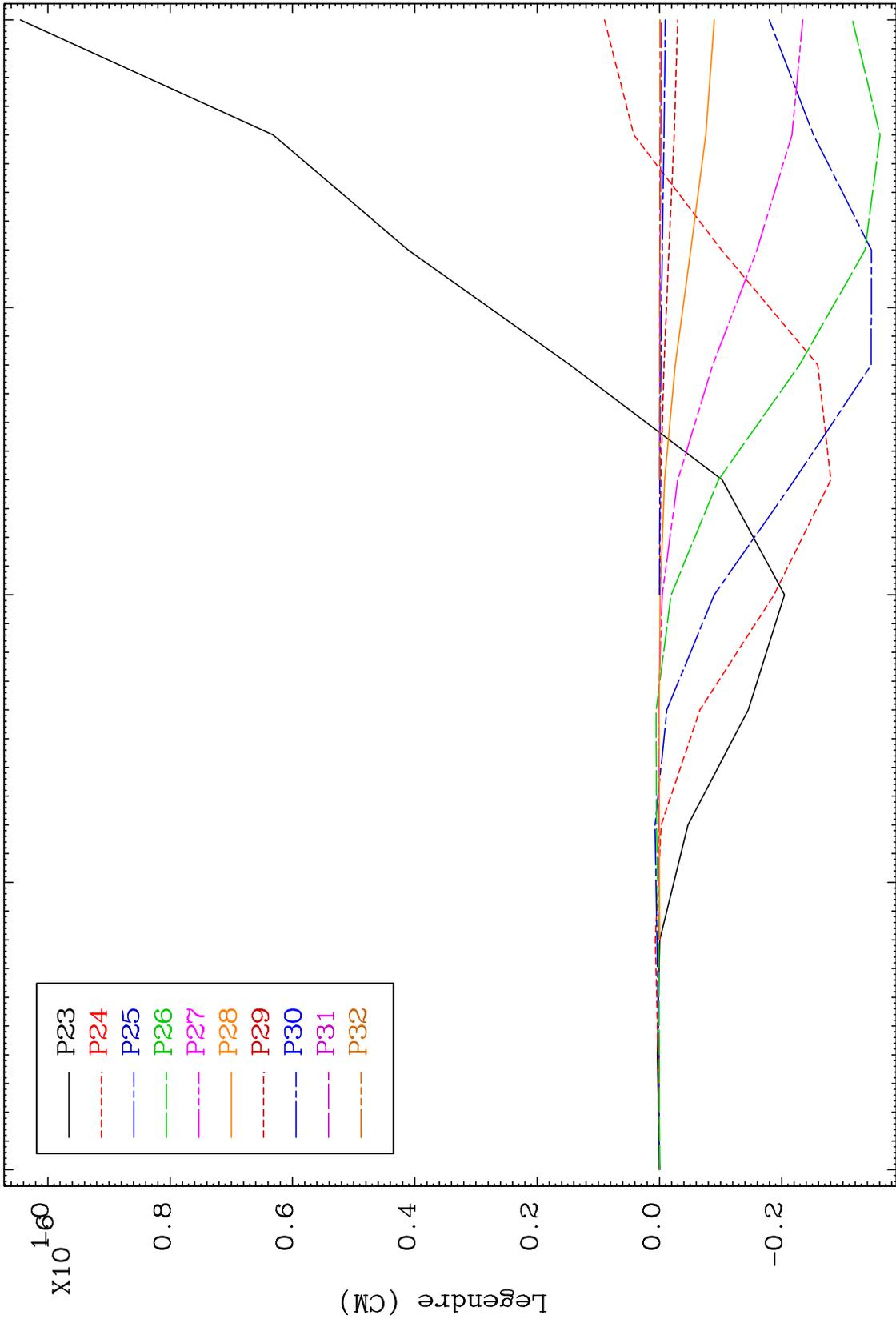
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21-Sc-49

MAT 2137

Elastic Legendre Coefficients

21-Sc-49

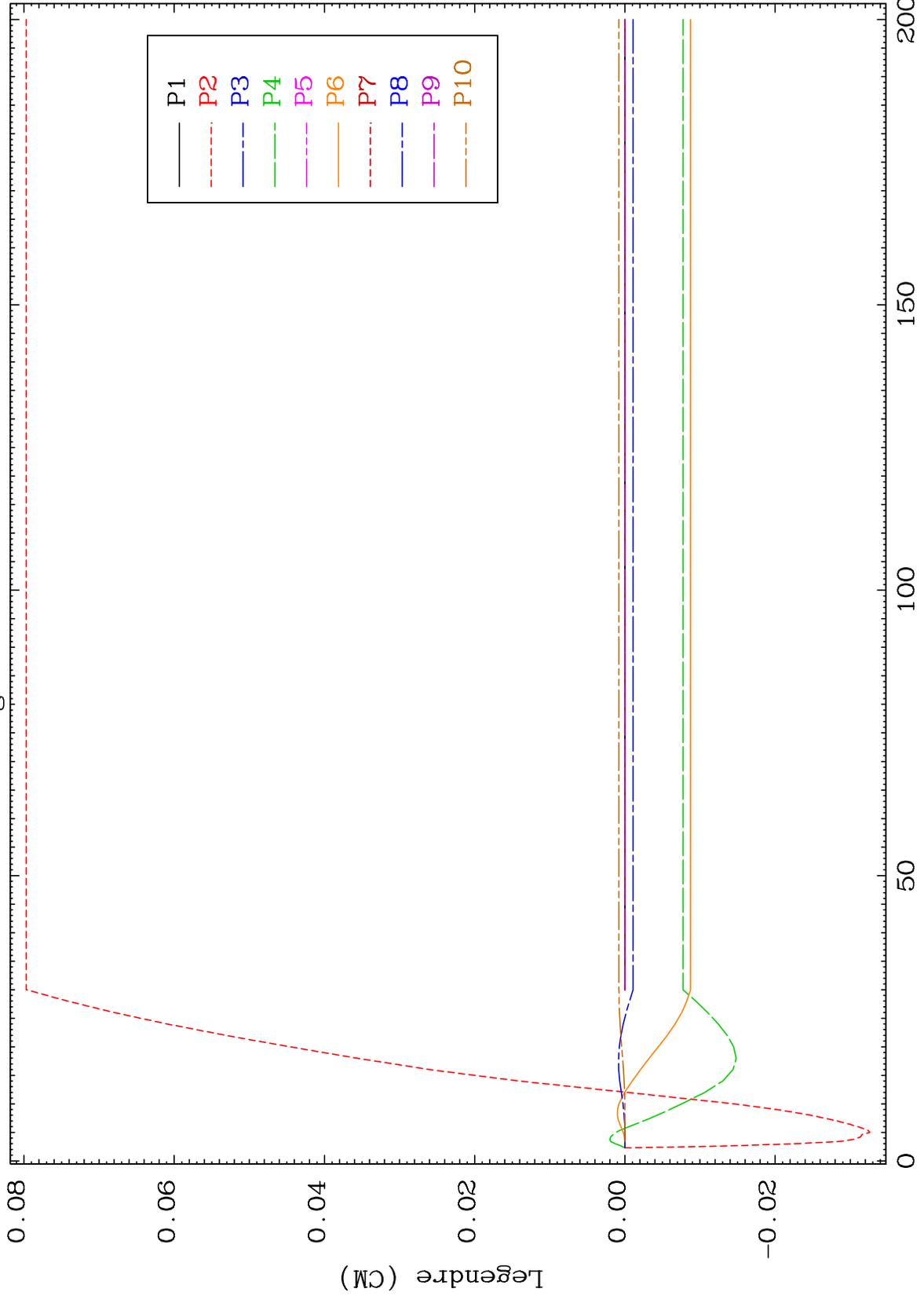


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Incident Energy (MeV)

21-Sc-49

MAT 2137 MT= 51 (n,n') Level Legendre Coefficients 21-Sc-49

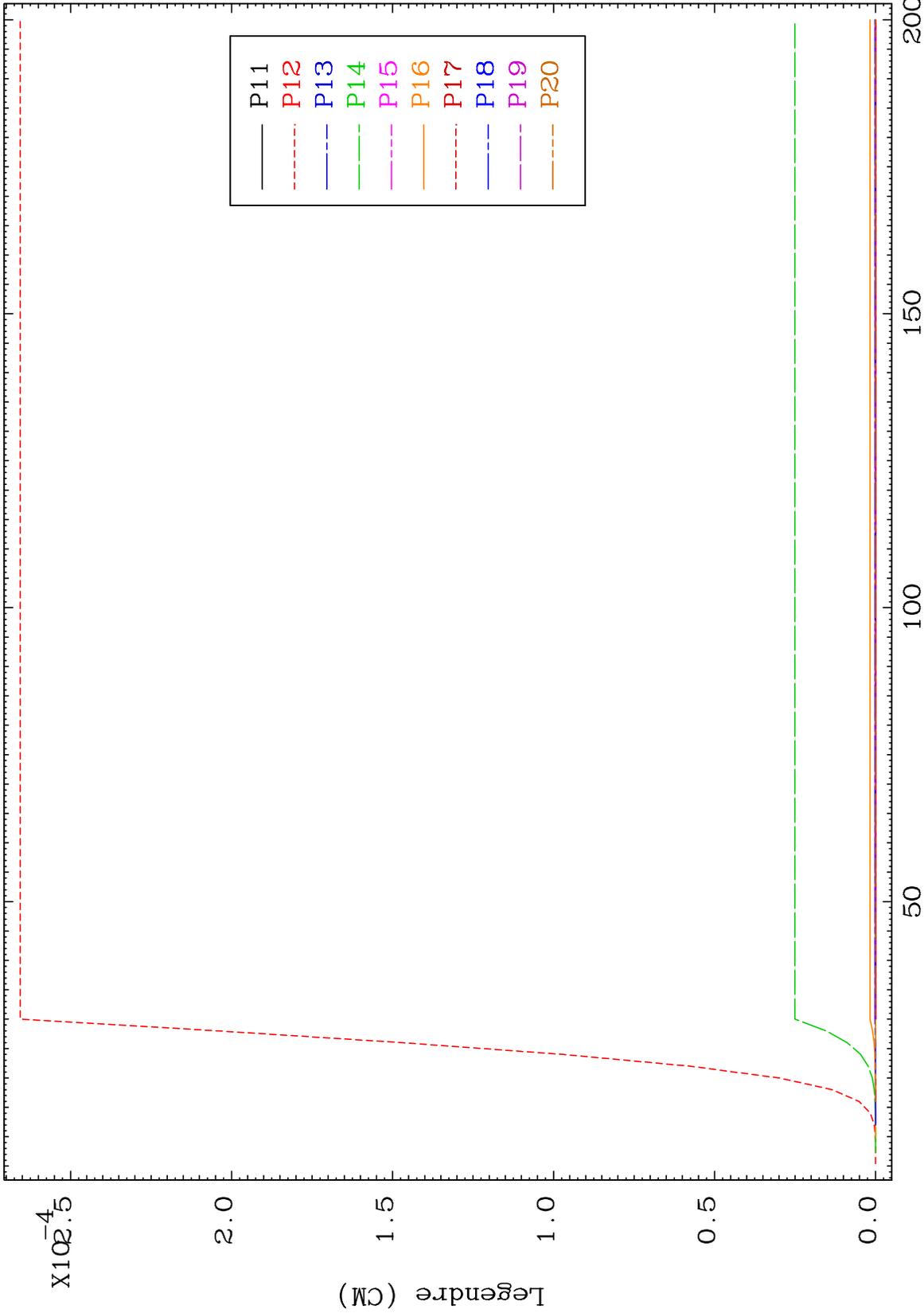


18 Incident Energy (MeV) 21-Sc-49

MAT 2137

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

21-Sc-49



19

Incident Energy (MeV)

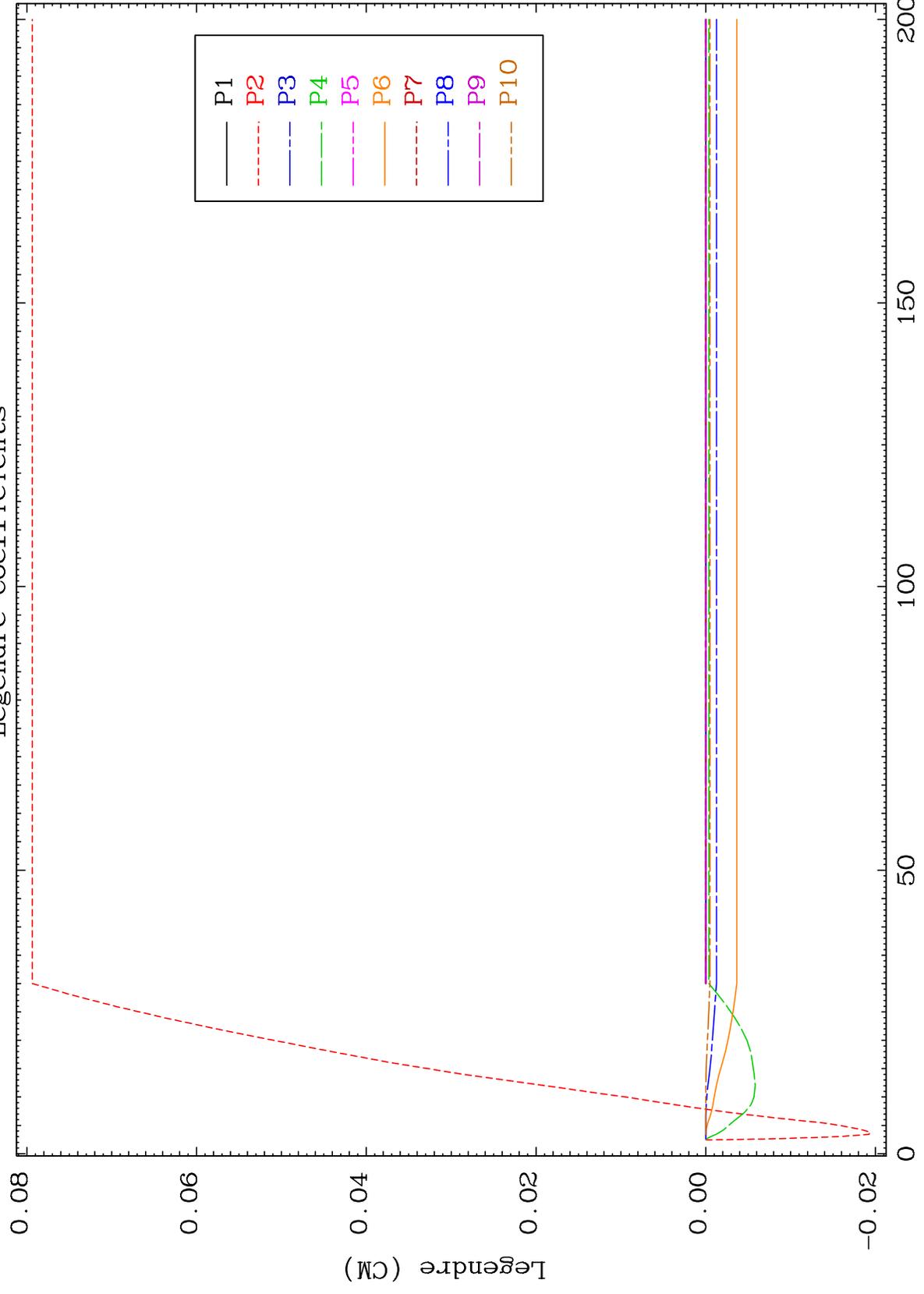
21-Sc-49



MAT 2137

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

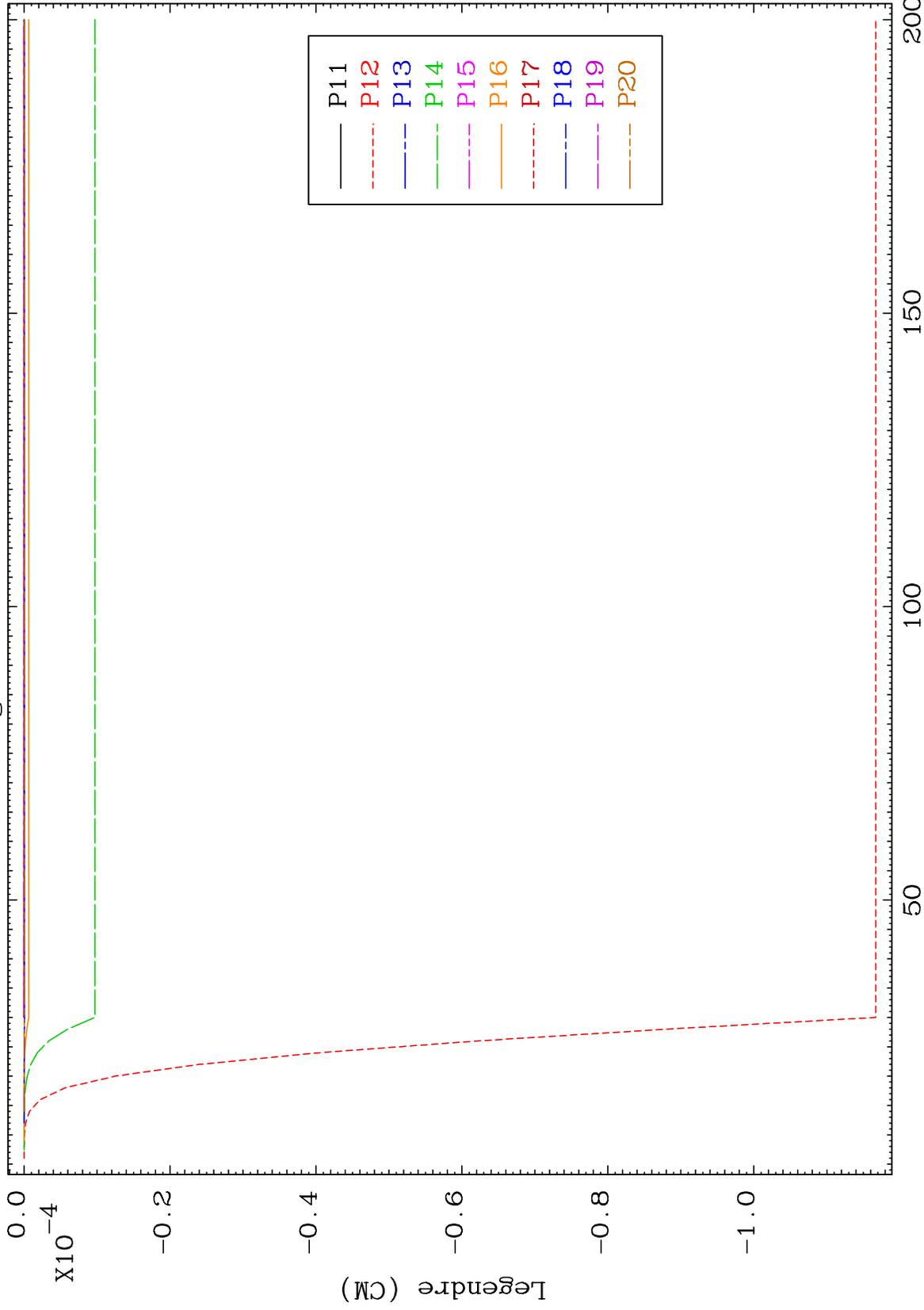
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MAT 2137

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

21-Sc-49

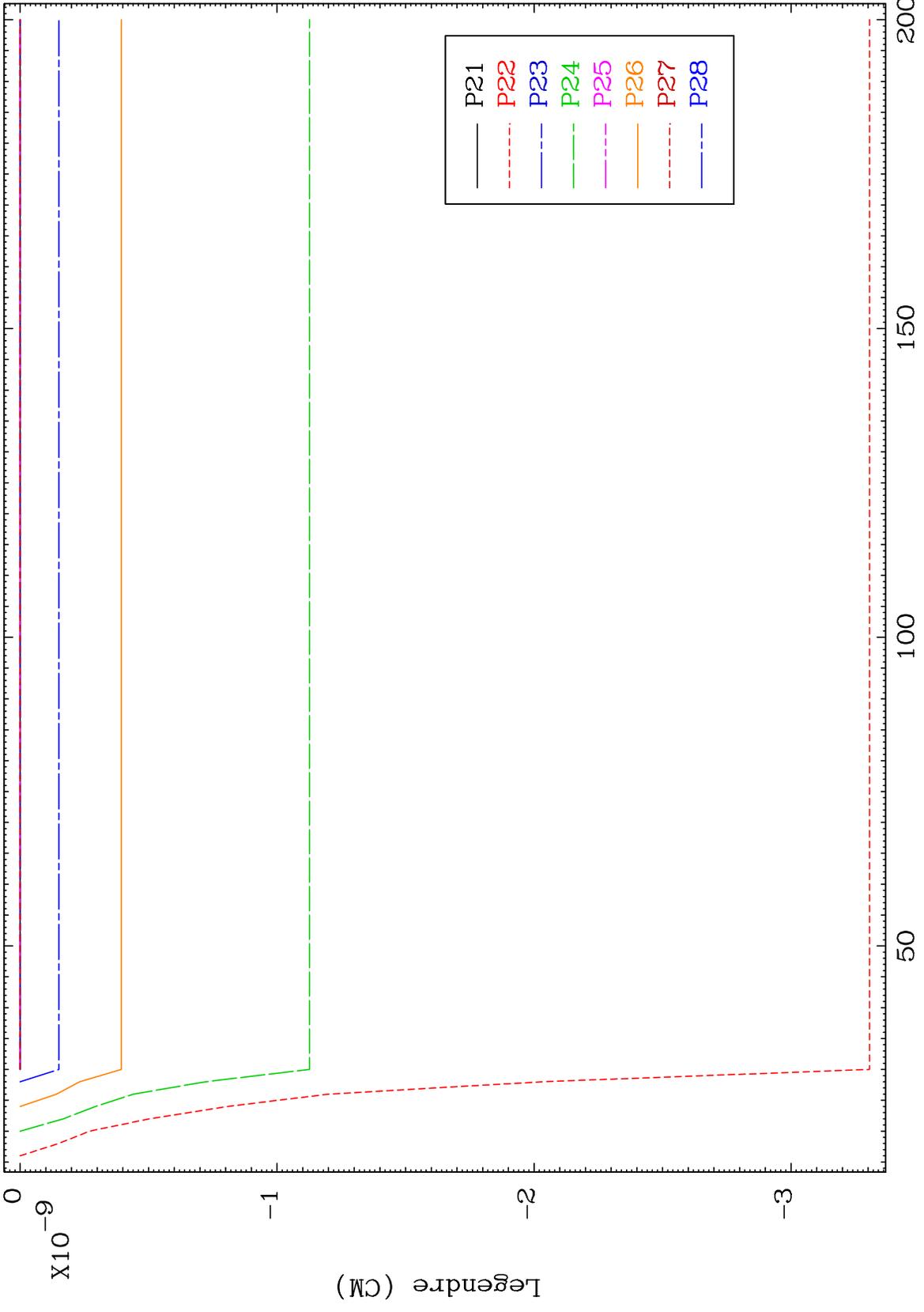


22

Incident Energy (MeV)

21-Sc-49

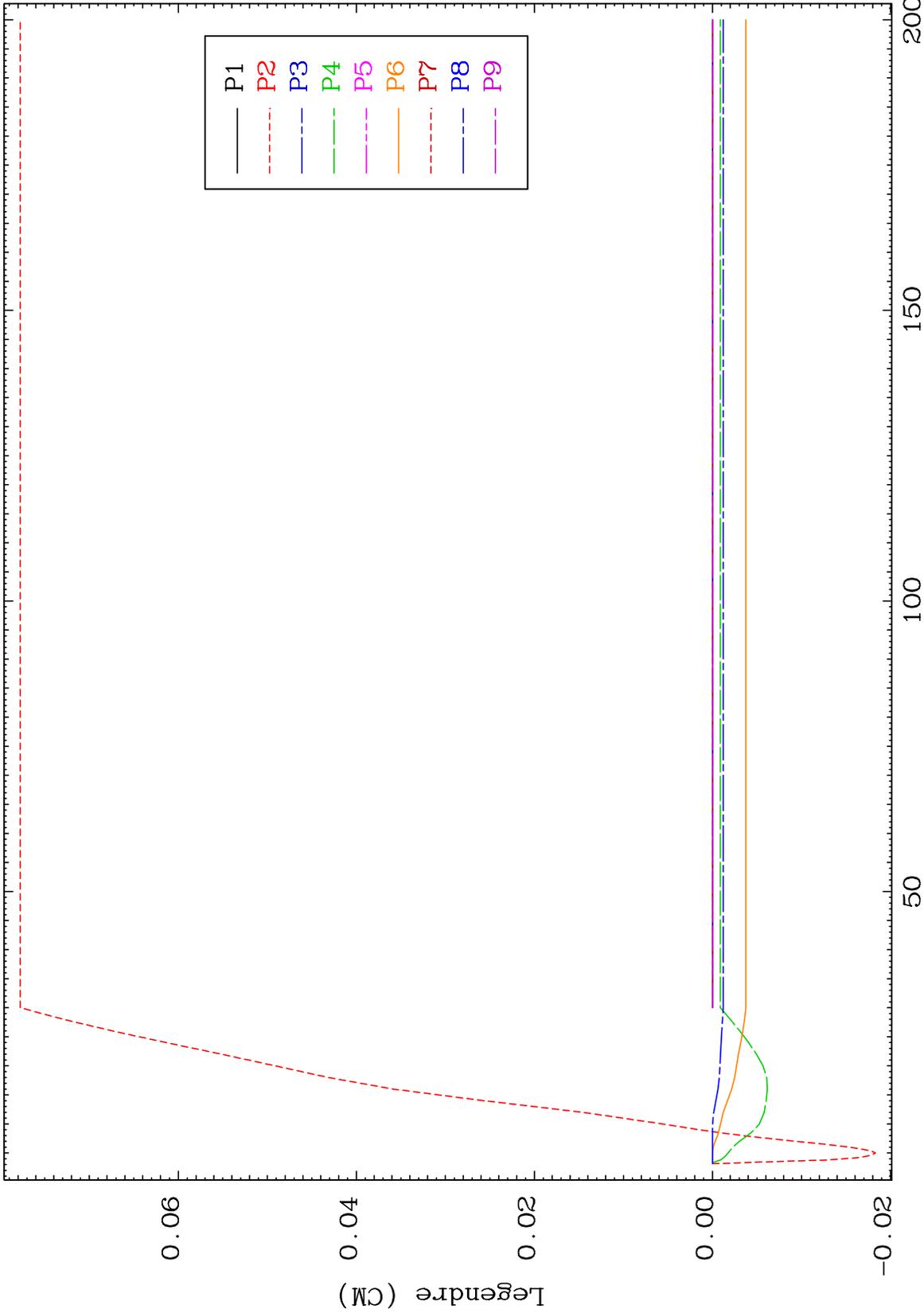
MAT 2137 MT= 52 (n,n') Level Legendre Coefficients 21-Sc-49



MAT 2137

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

21-Sc-49



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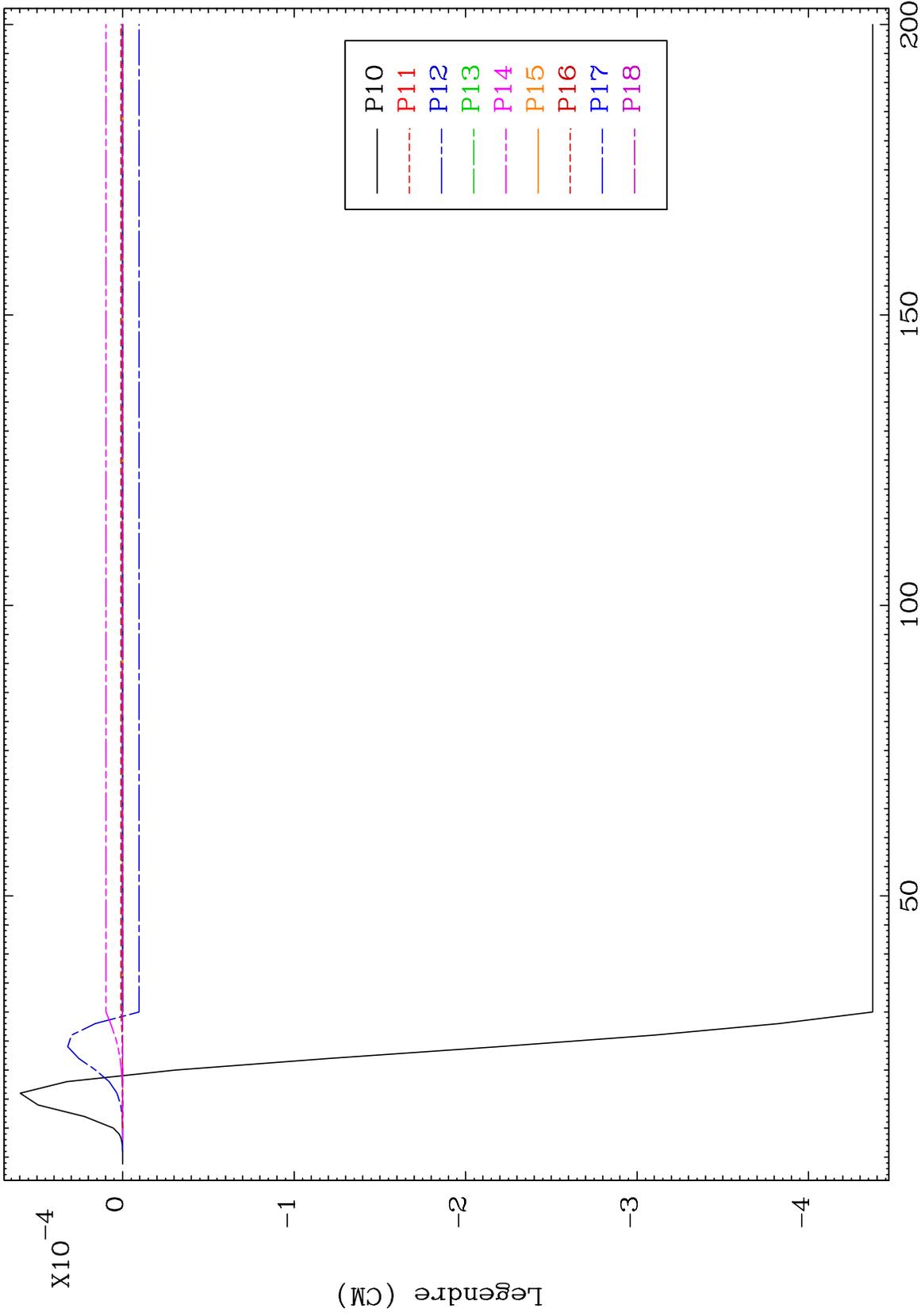
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



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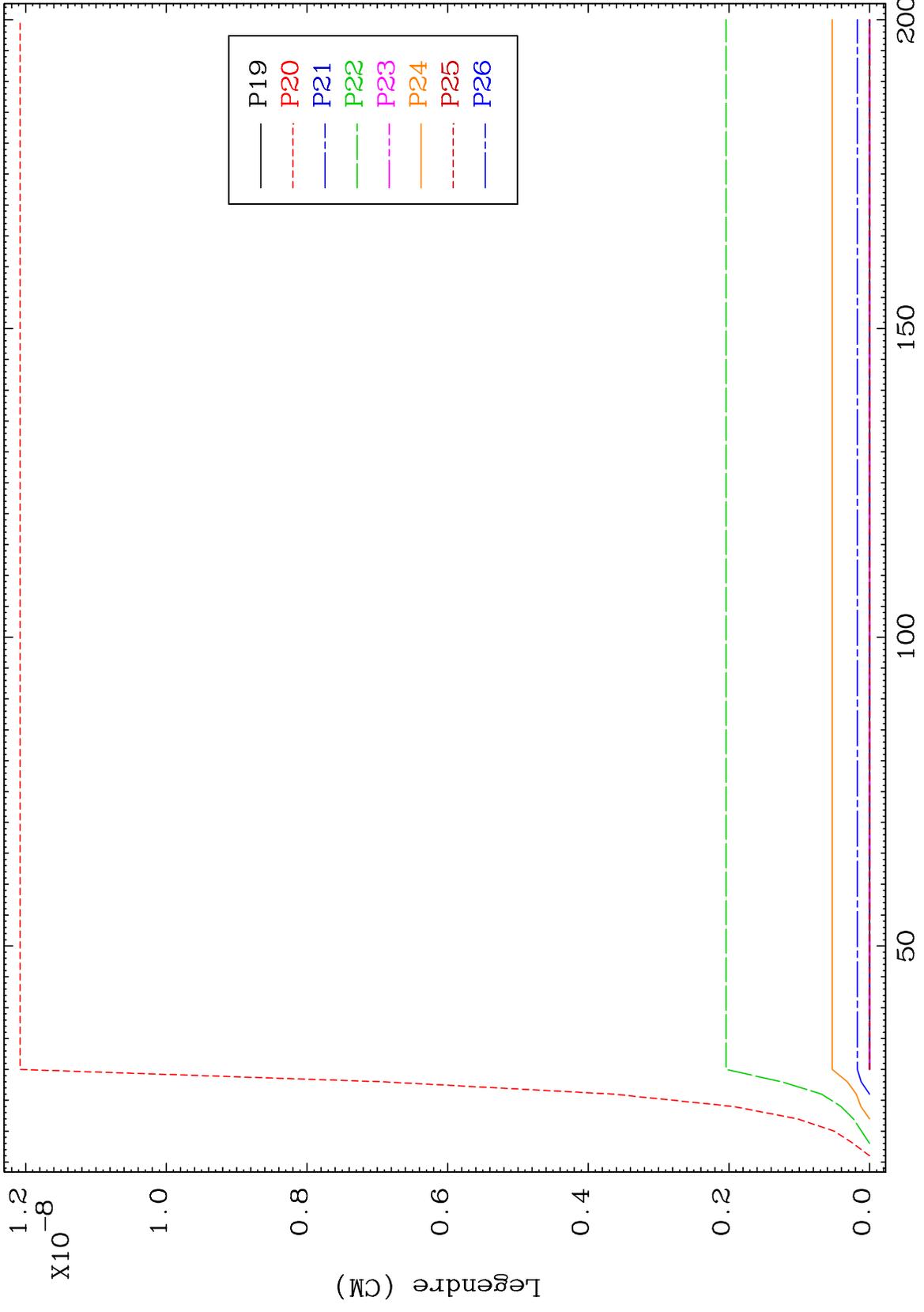
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



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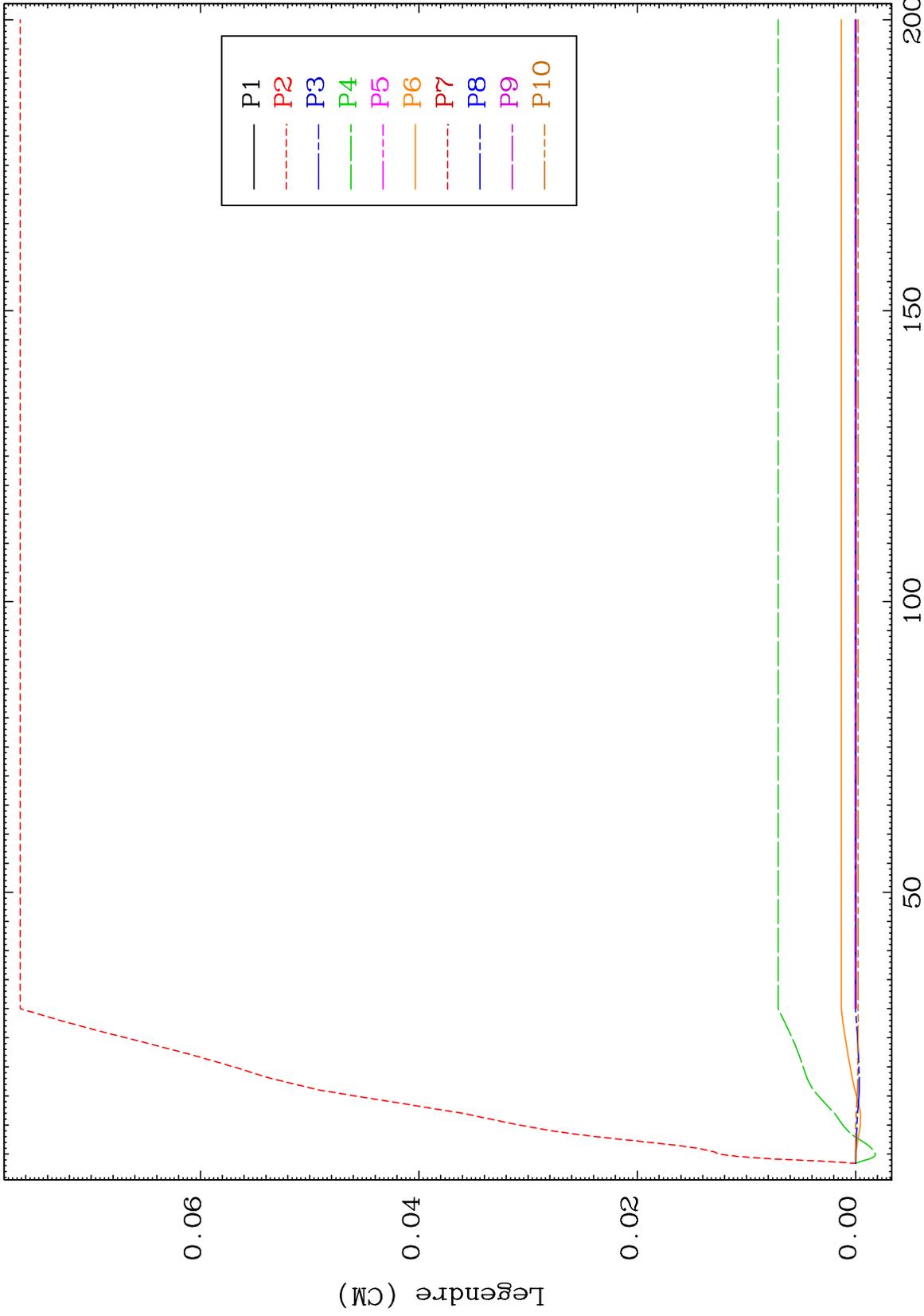
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



27

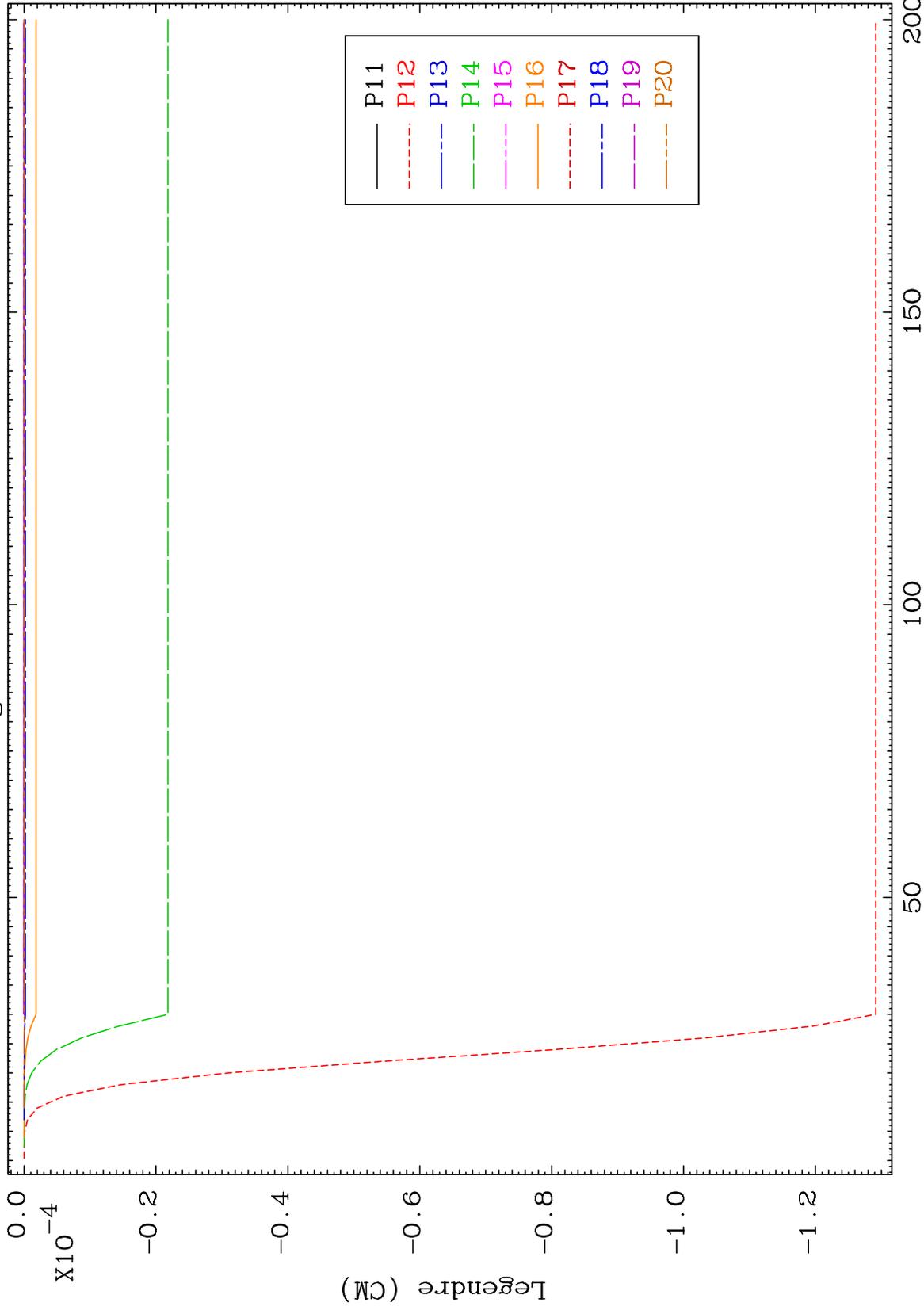
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MT= 54 (n,n') Level  
Legendre Coefficients

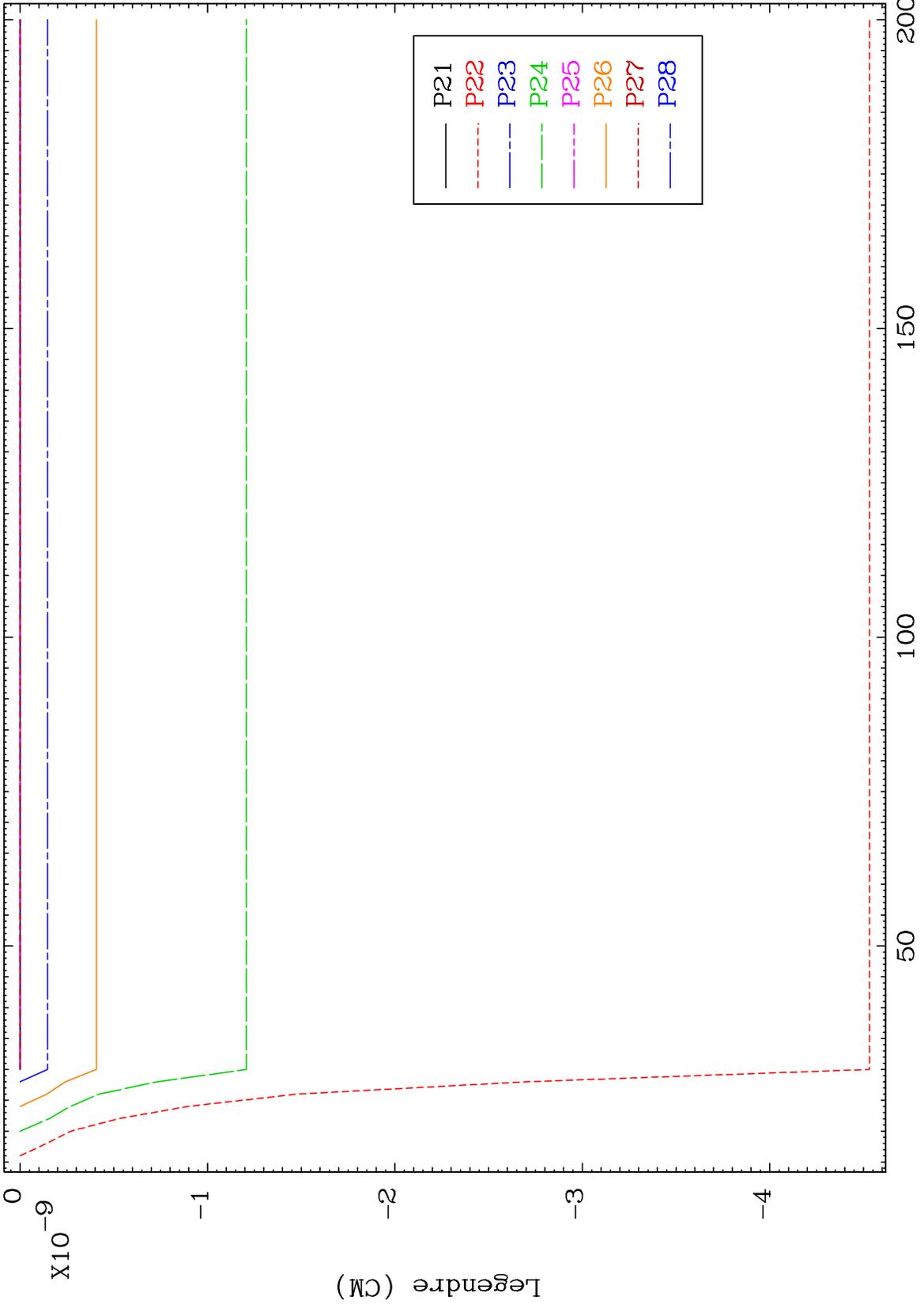
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28

21-Sc-49

MAT 2137 MT= 54 (n,n') Level Legendre Coefficients 21-Sc-49

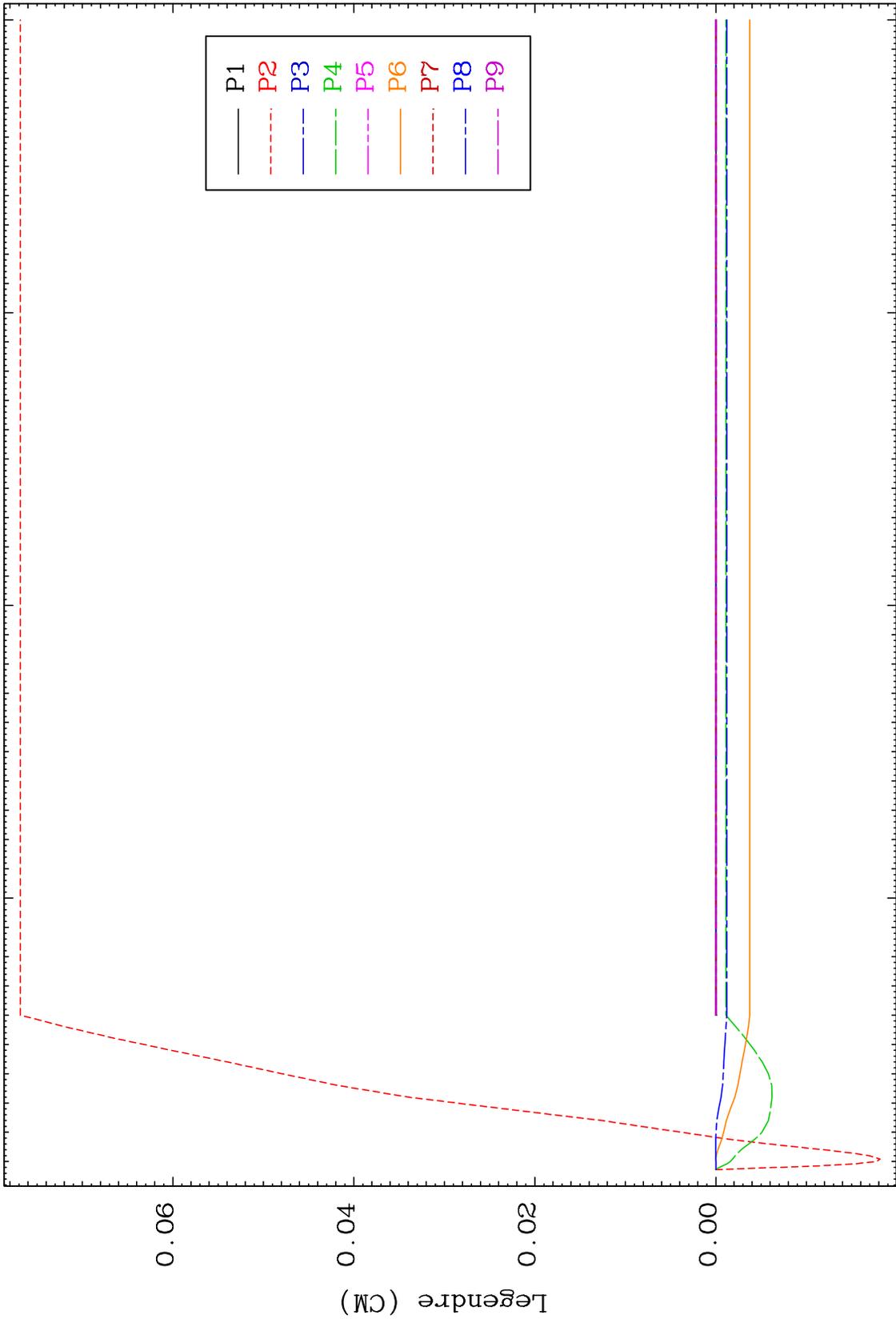


29 Incident Energy (MeV) 200 21-Sc-49

MAT 2137

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

21-Sc-49



30

Incident Energy (MeV)

50

100

150

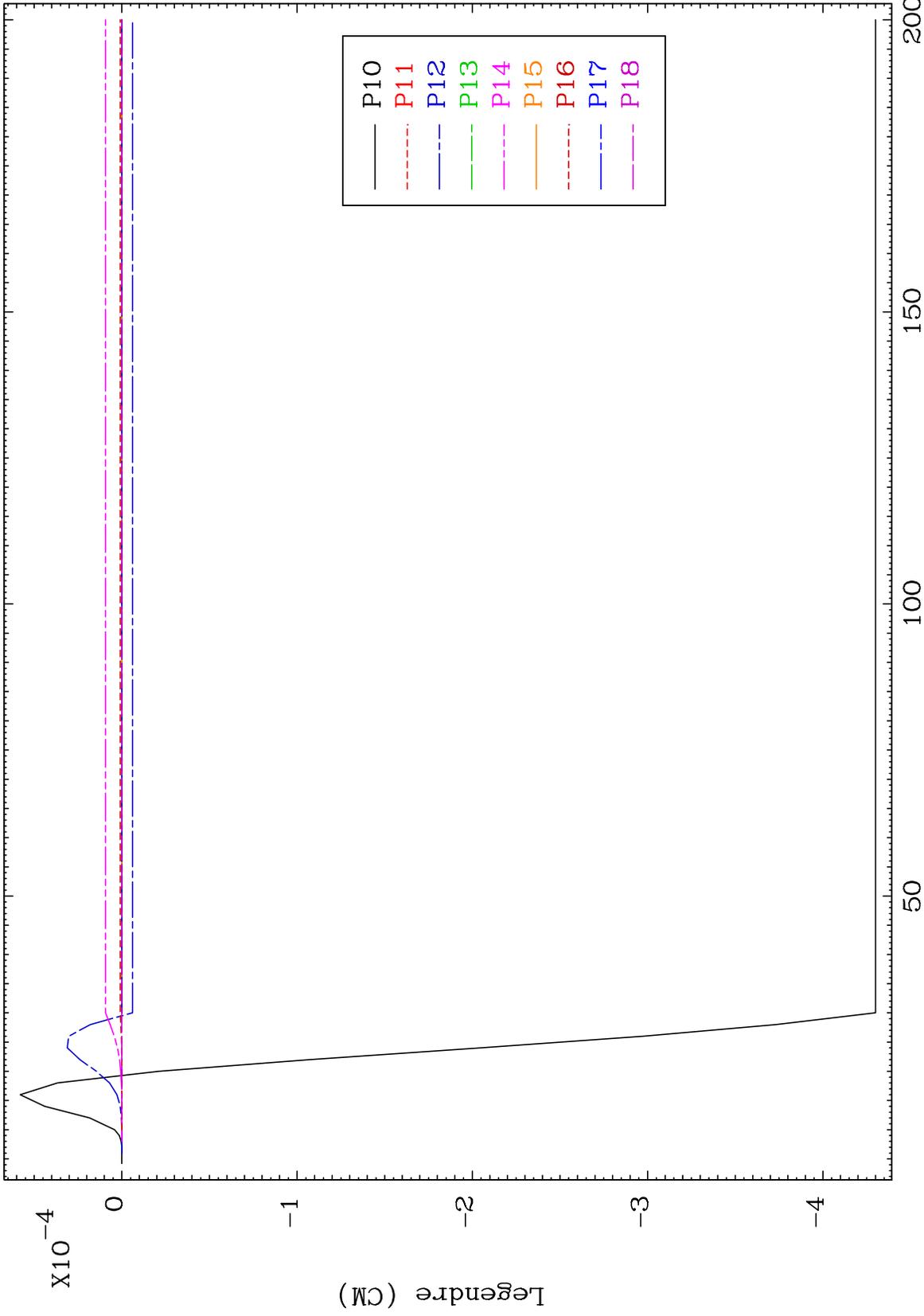
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21-Sc-49

MAT 2137

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

21-Sc-49



31

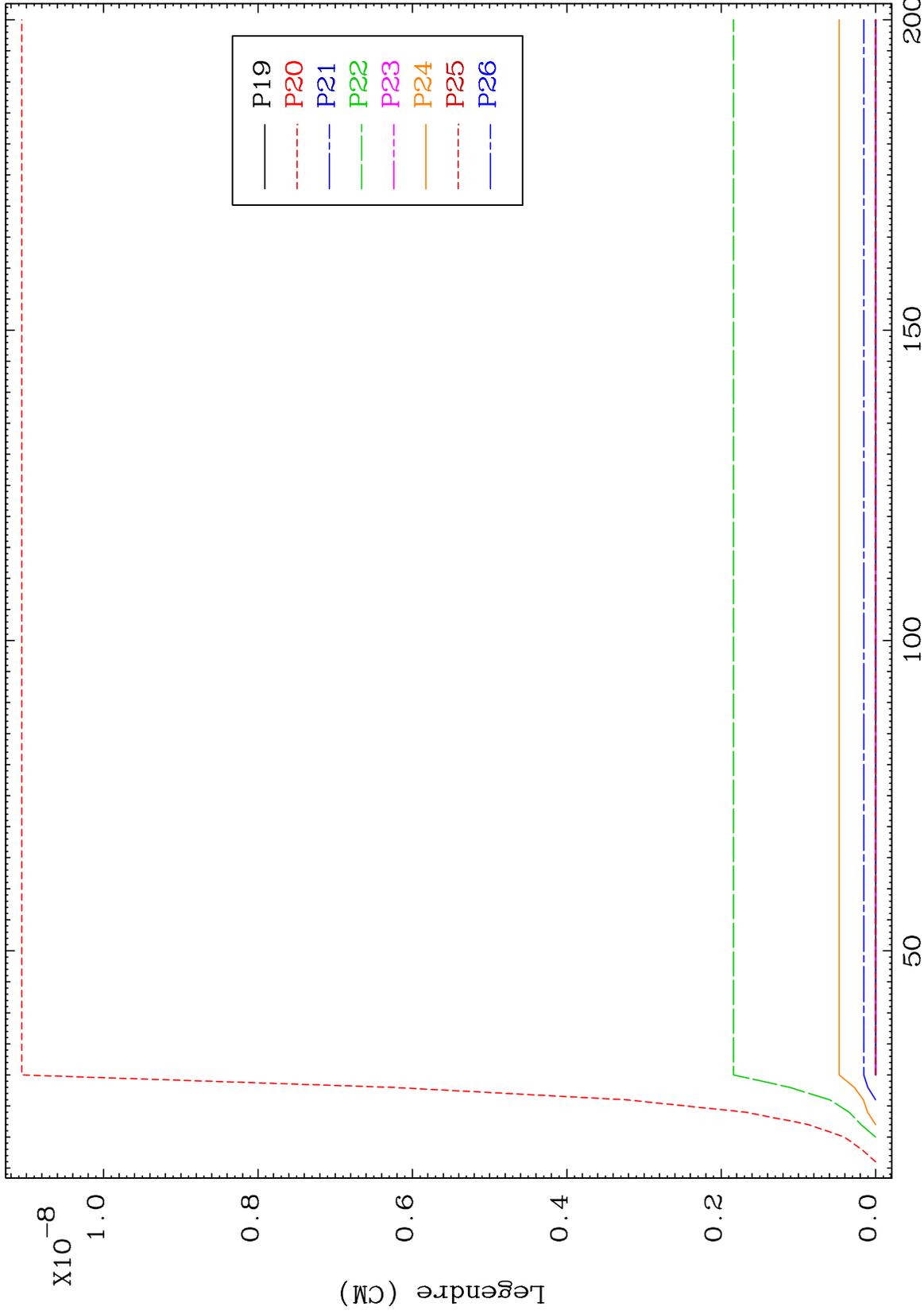
Incident Energy (MeV)

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

21-Sc-49



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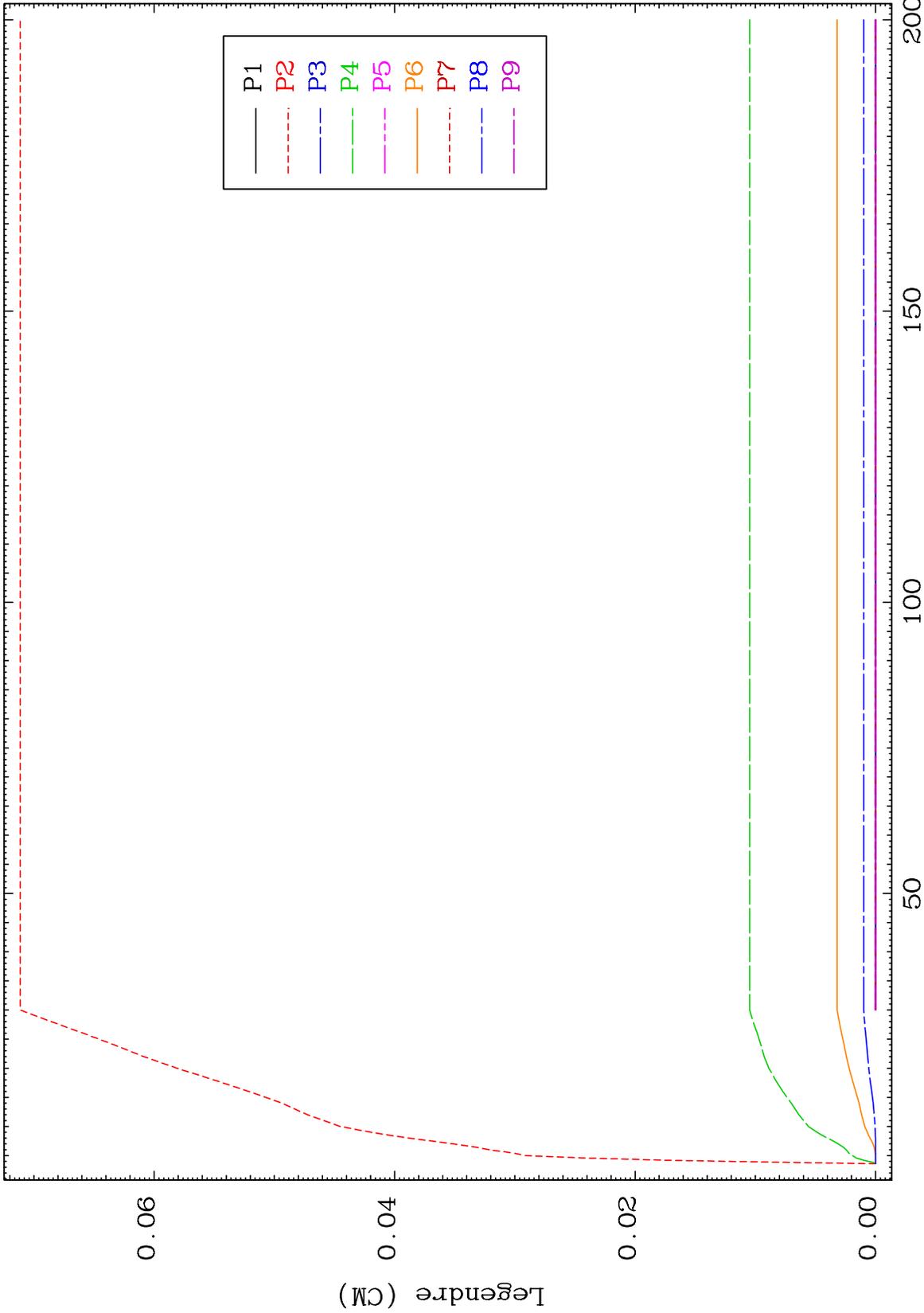
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



33

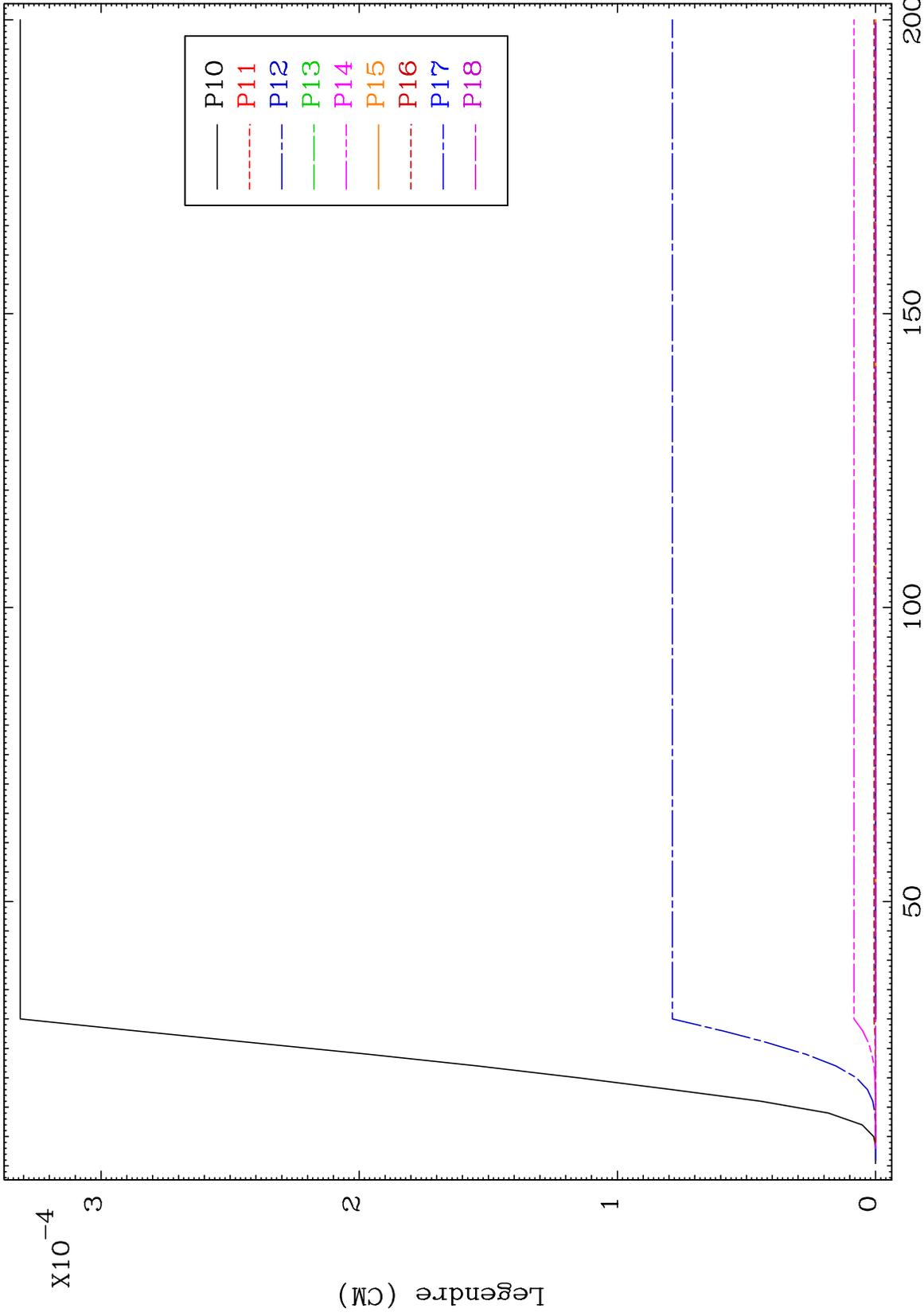
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



34

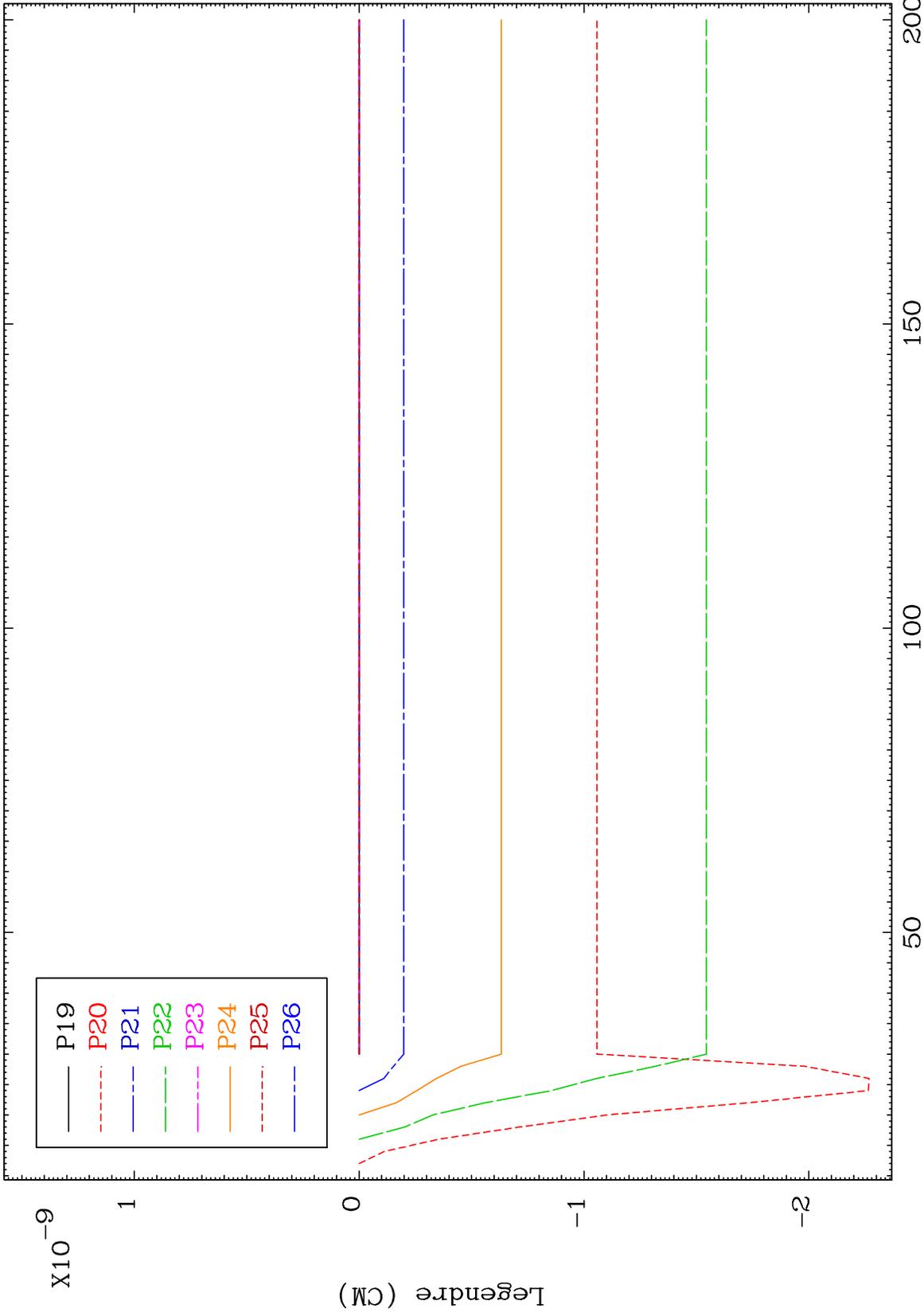
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



35

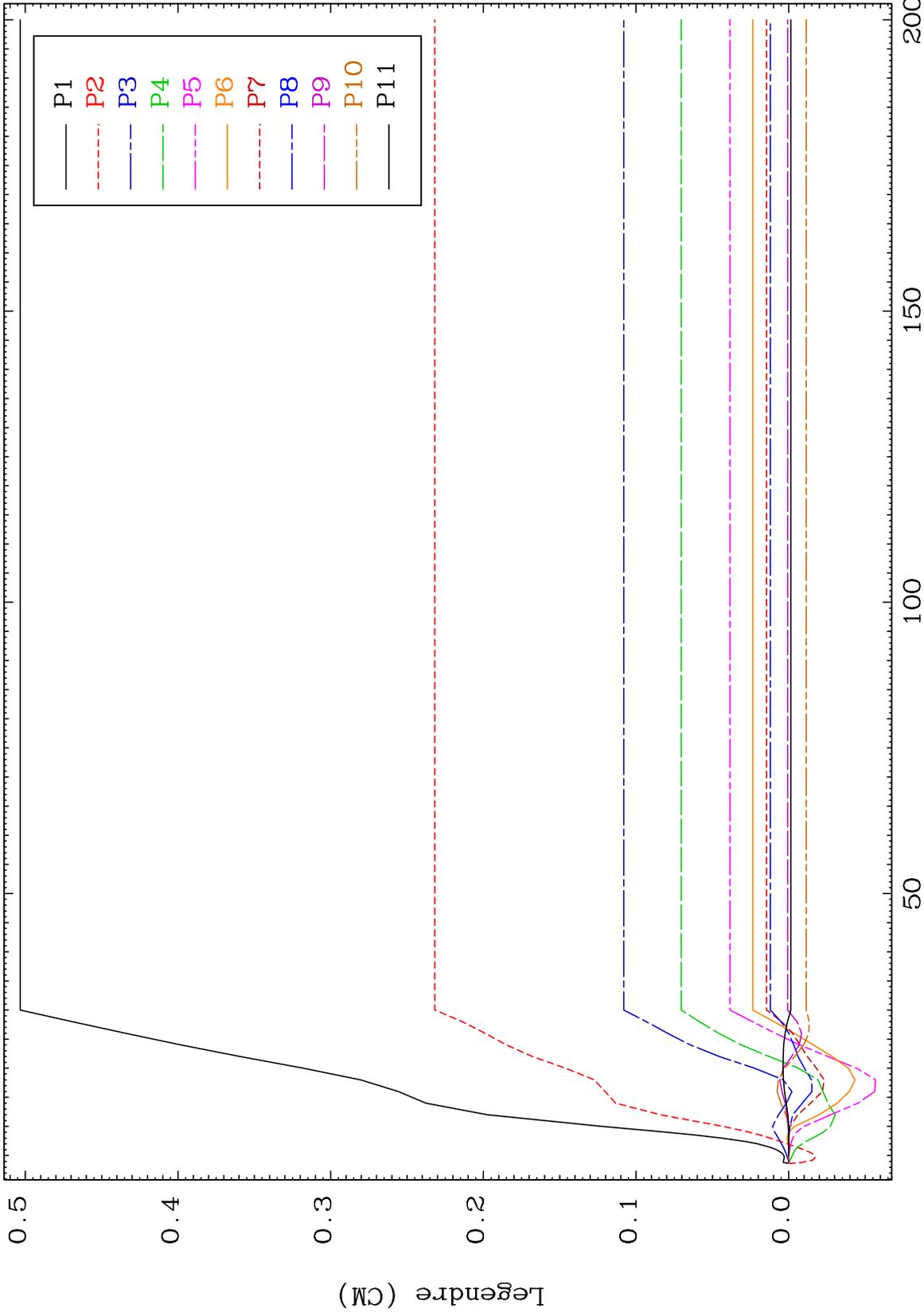
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MT= 57 (n,n') Level  
Legendre Coefficients

21-Sc-49



36

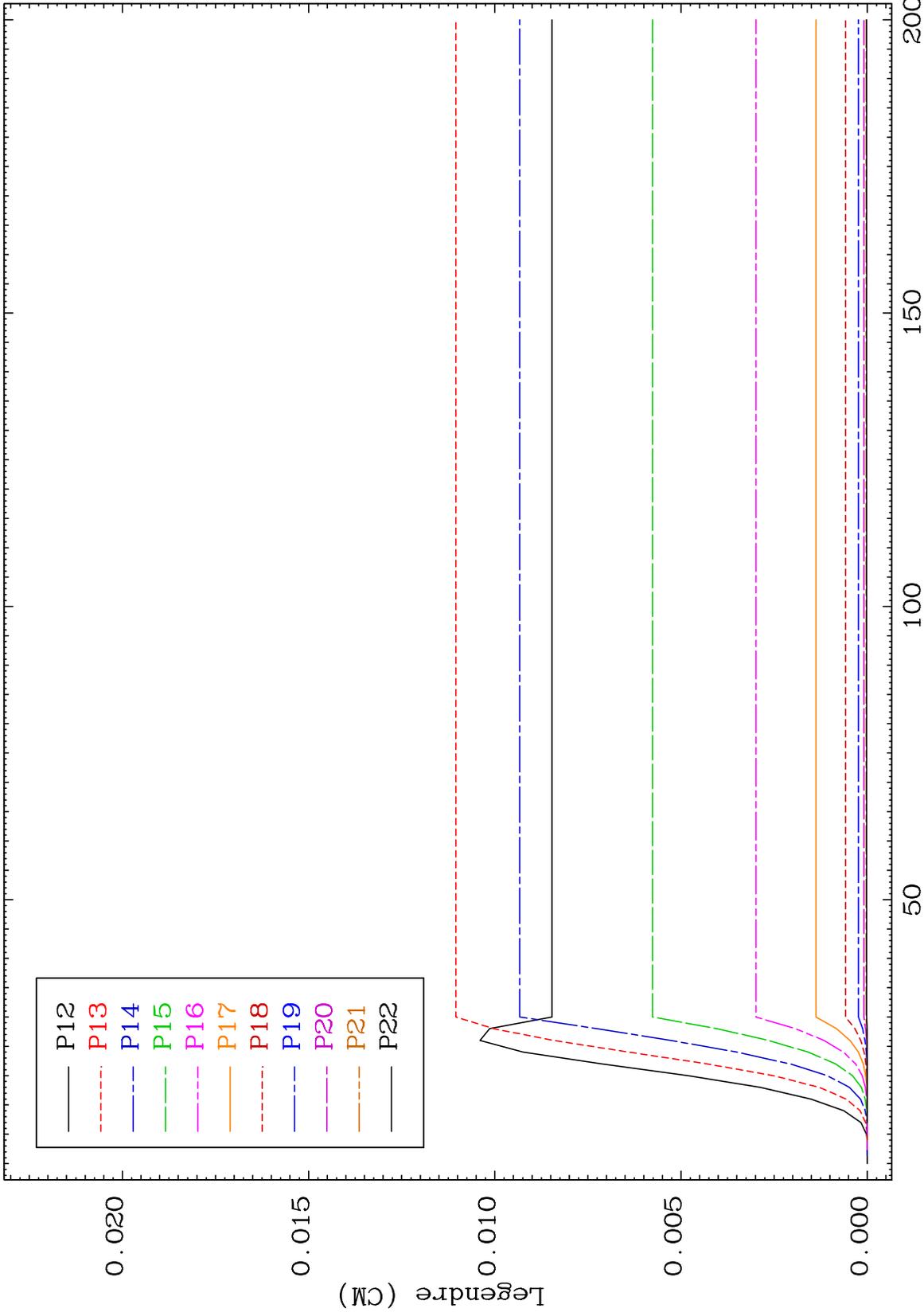
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



37

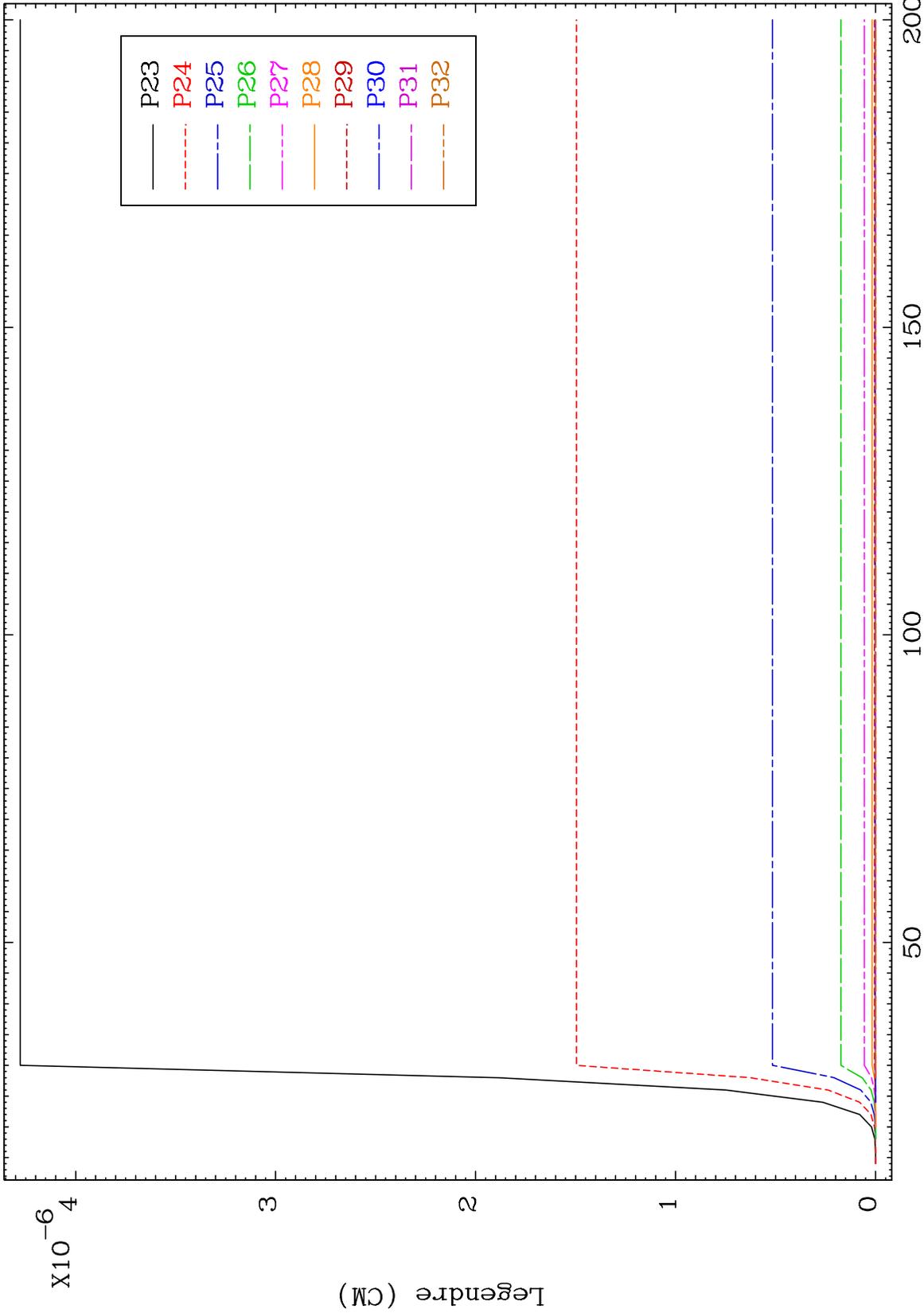
Incident Energy (MeV)

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

21-Sc-49



38

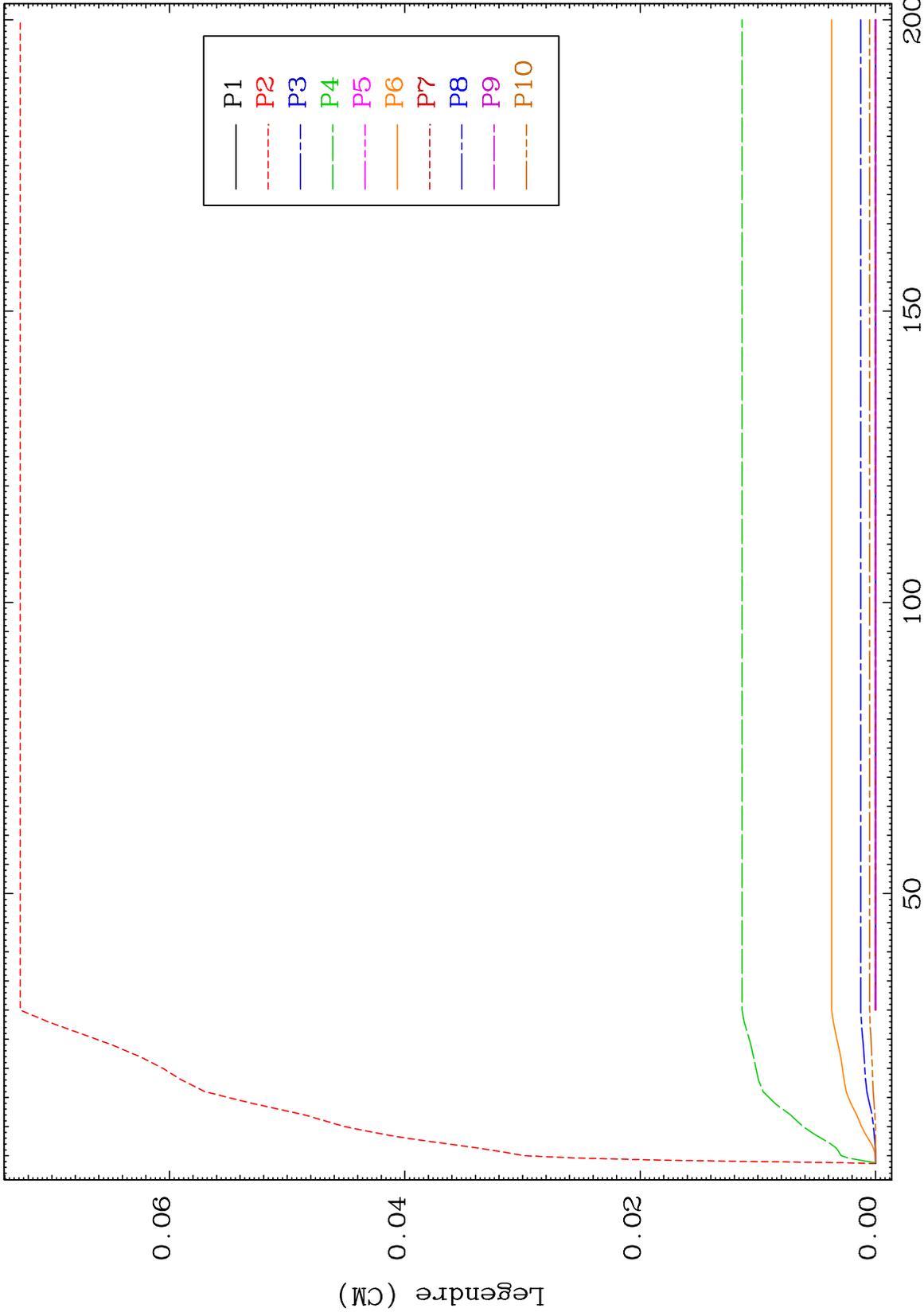
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49

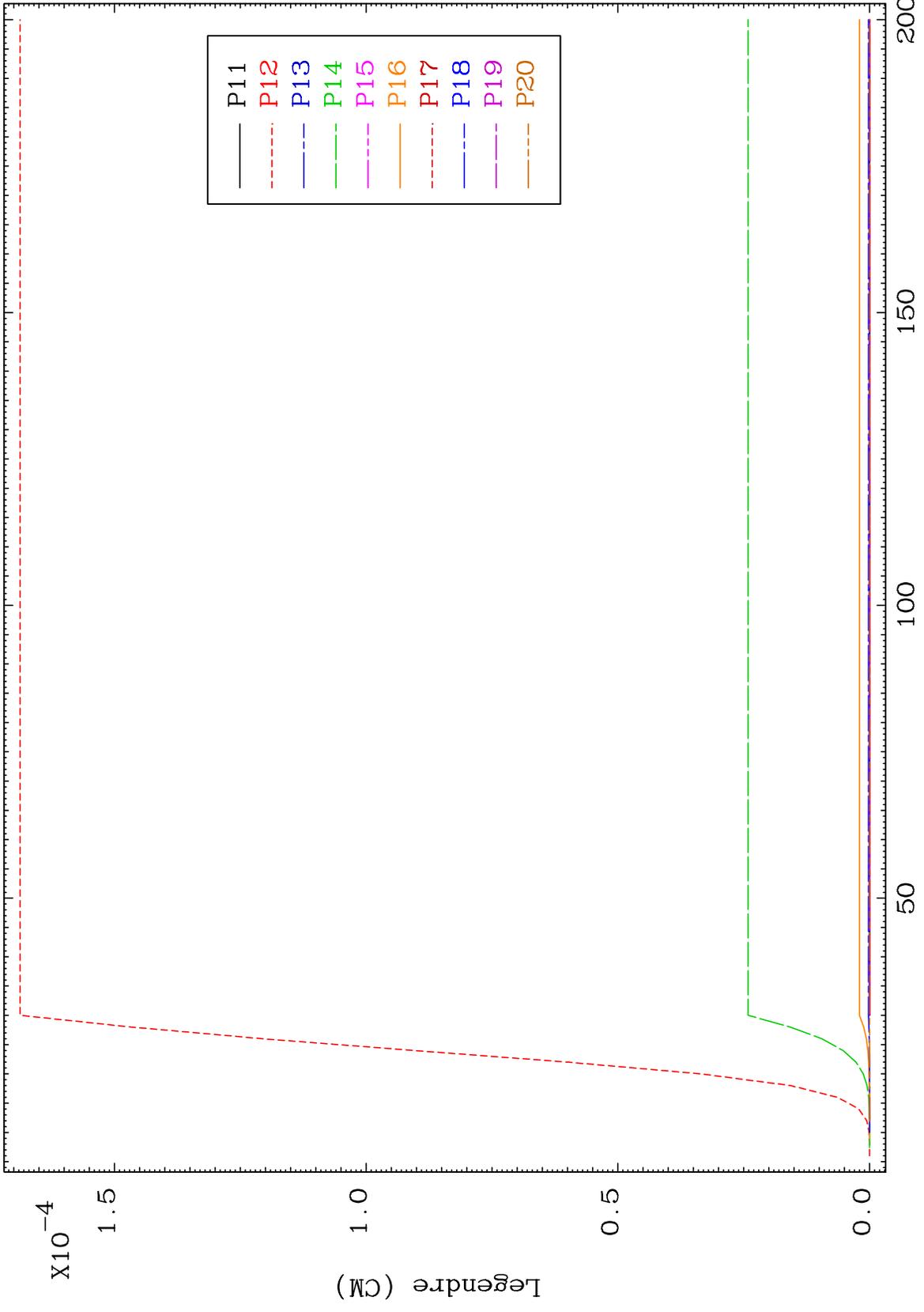


39

Incident Energy (MeV)

21-Sc-49

MAT 2137 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-49

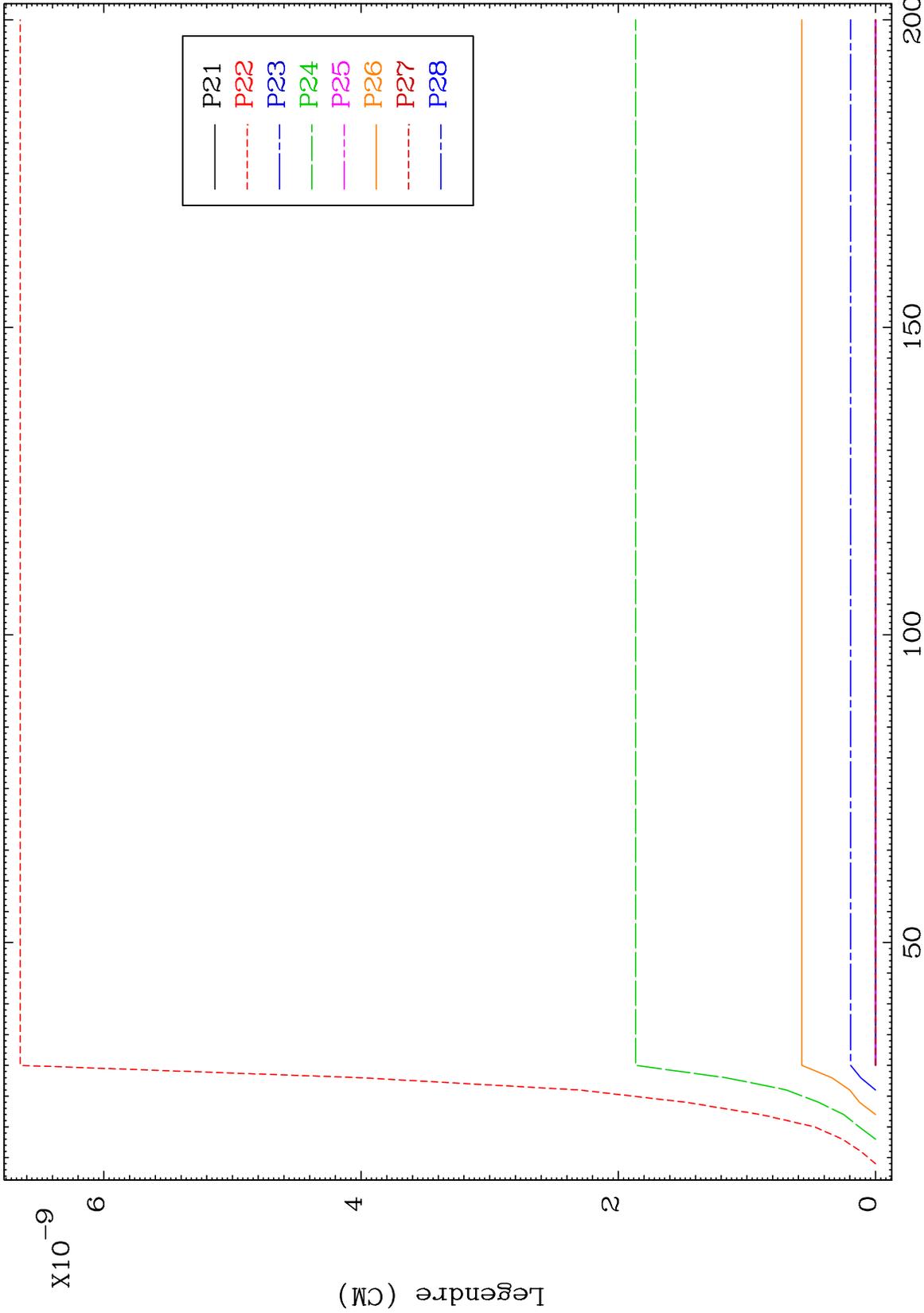


40 Incident Energy (MeV) 21-Sc-49

MAT 2137

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

21-Sc-49



41

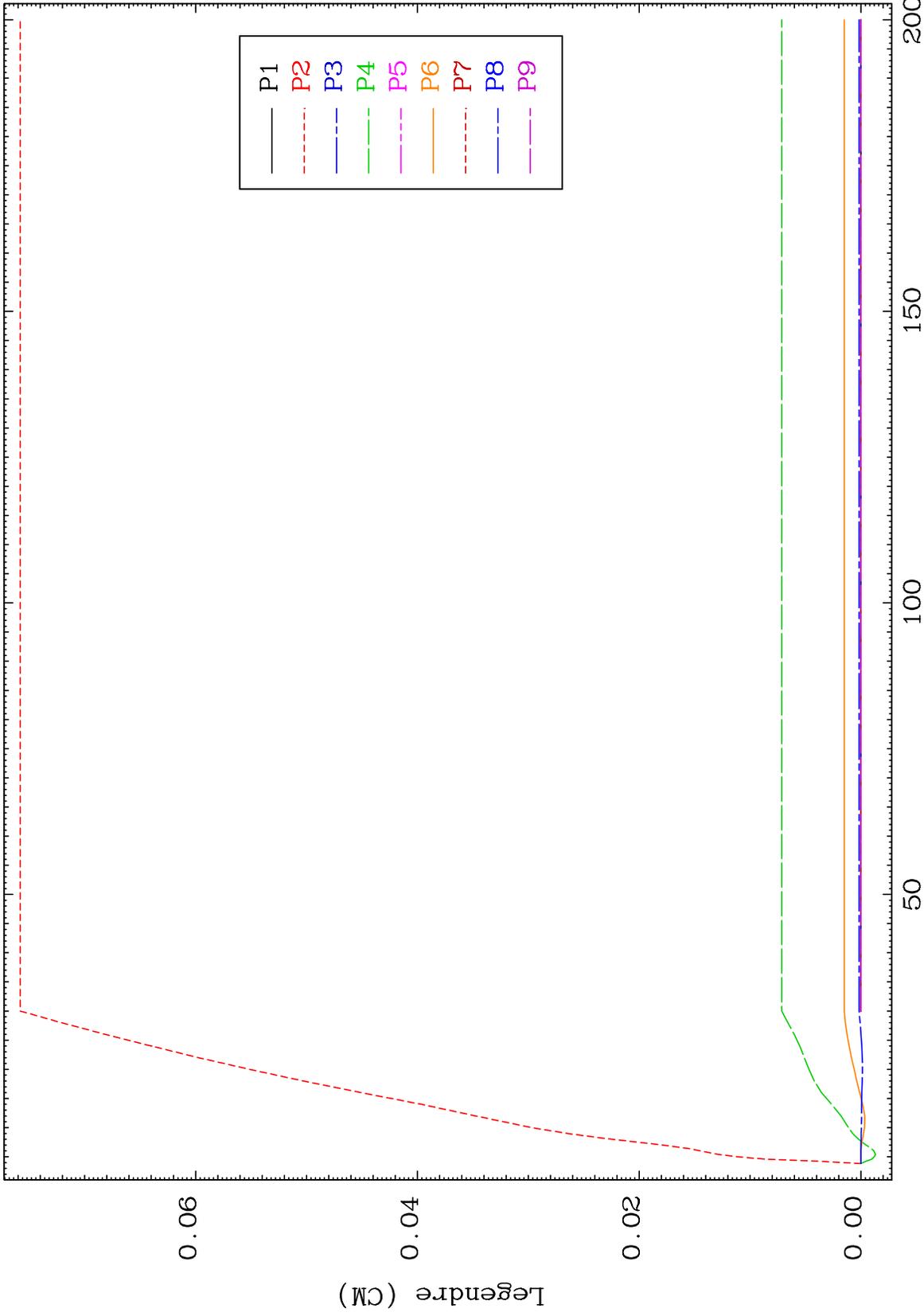
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



42

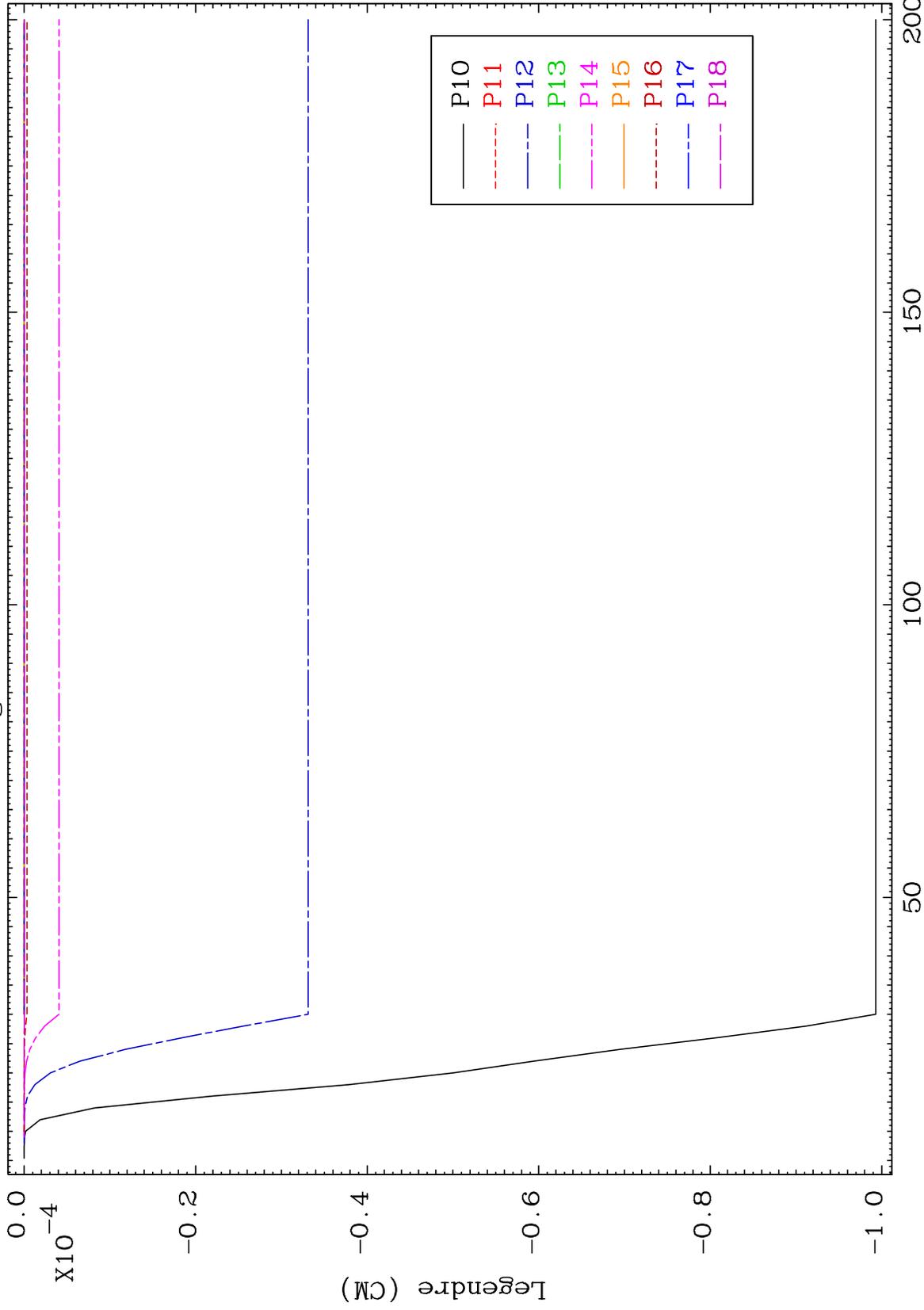
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



43

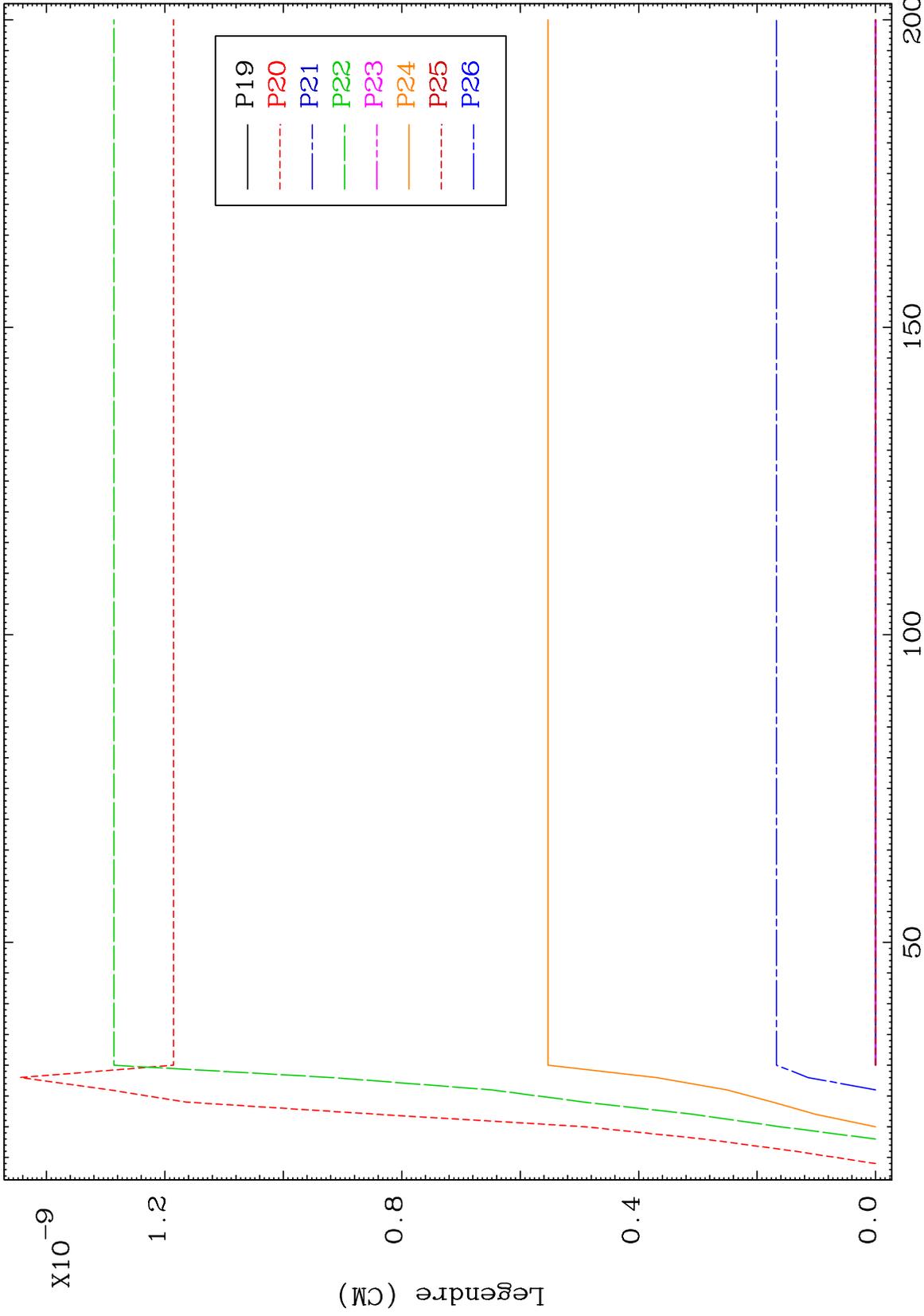
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



44

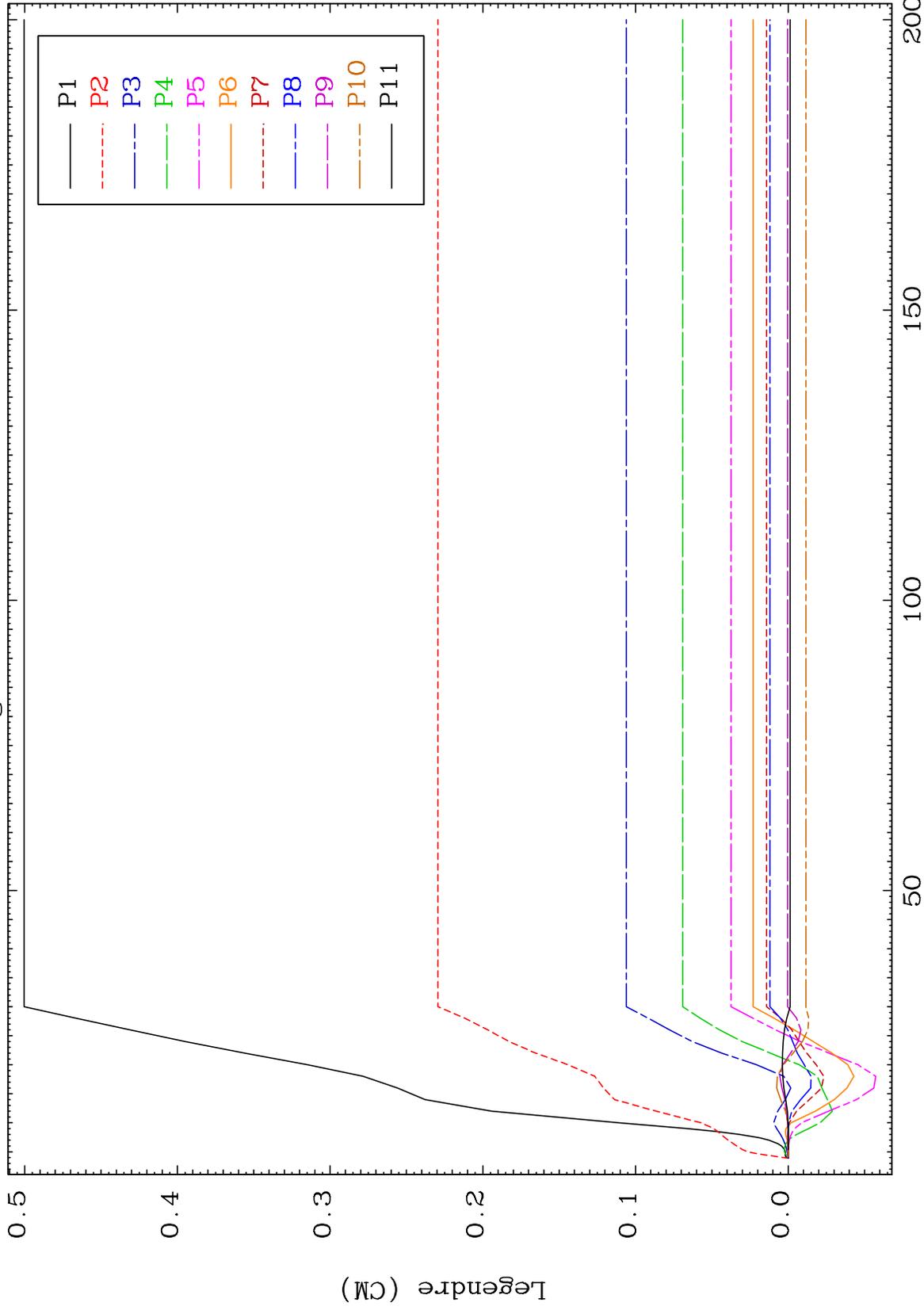
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



45

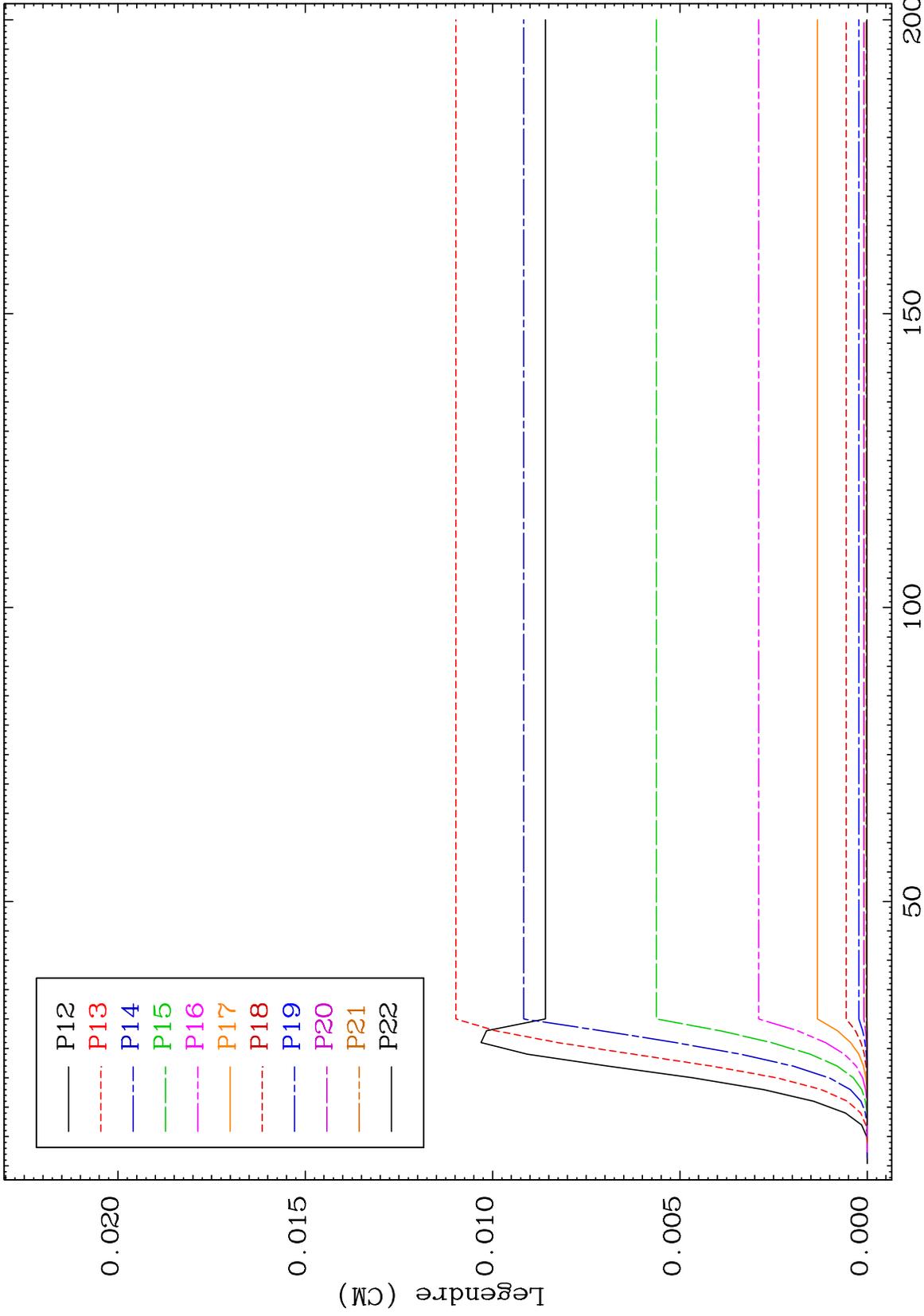
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MAT 2137

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

21-Sc-49



46

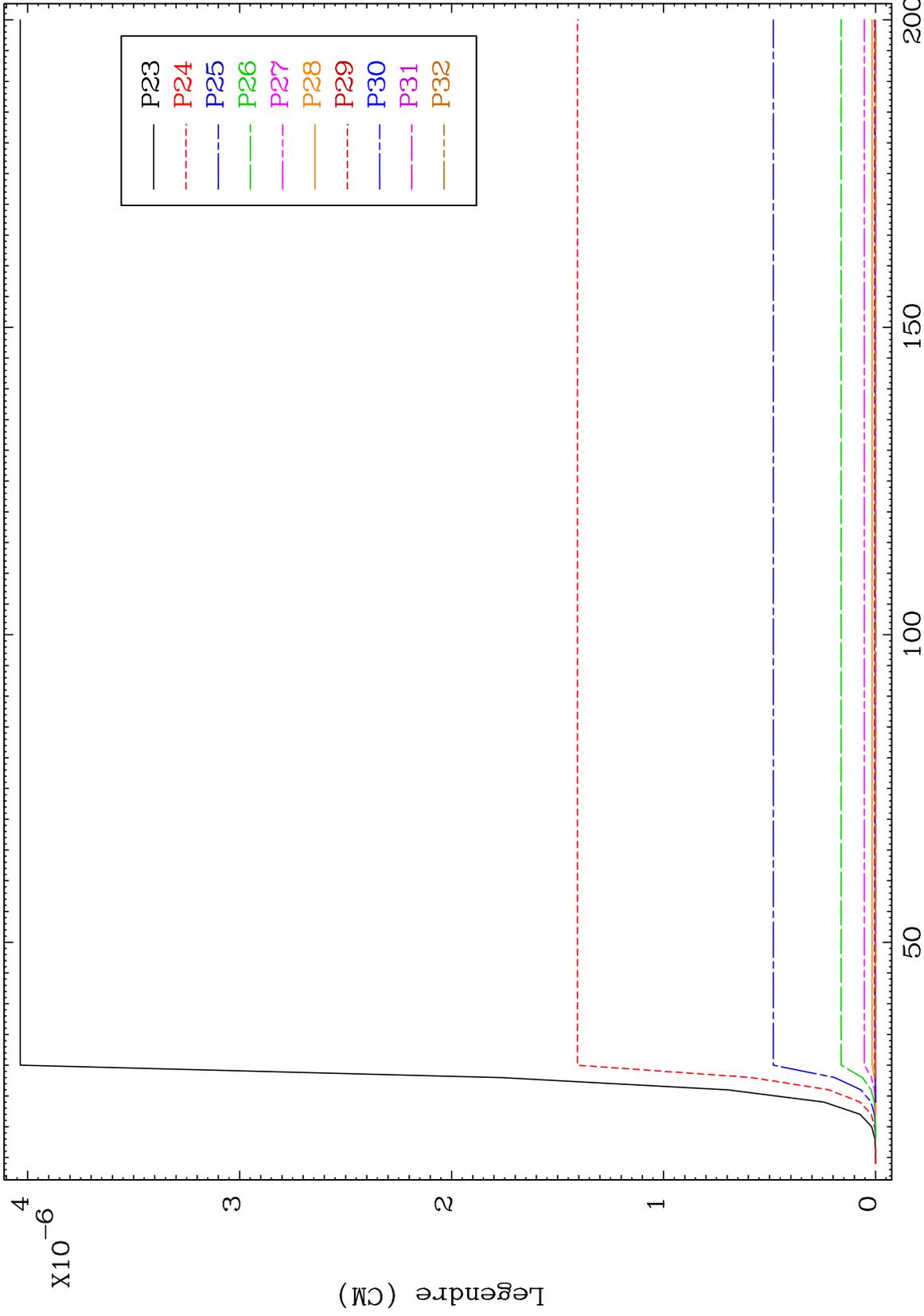
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



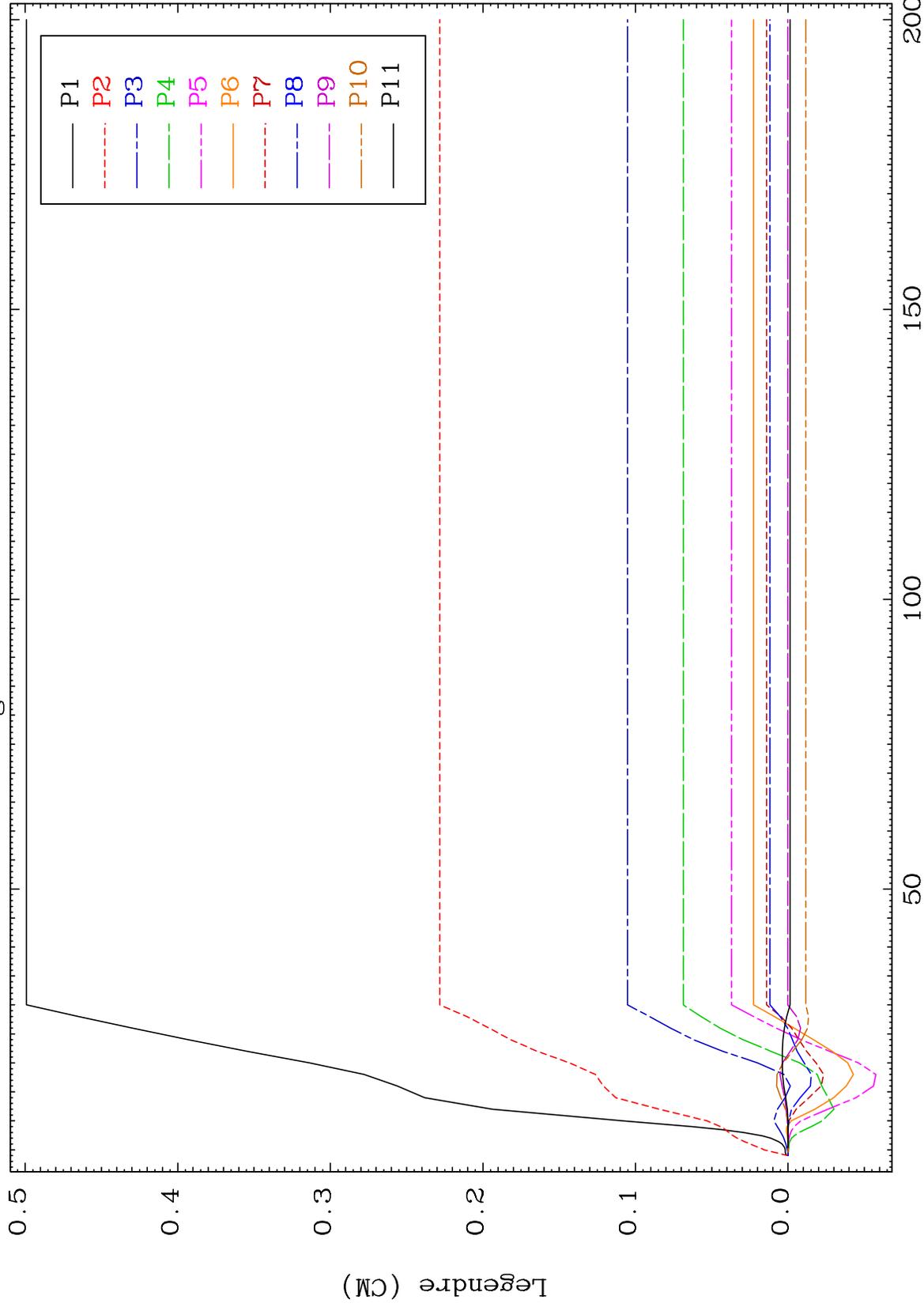
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21-Sc-49

MAT 2137

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

21-Sc-49



48

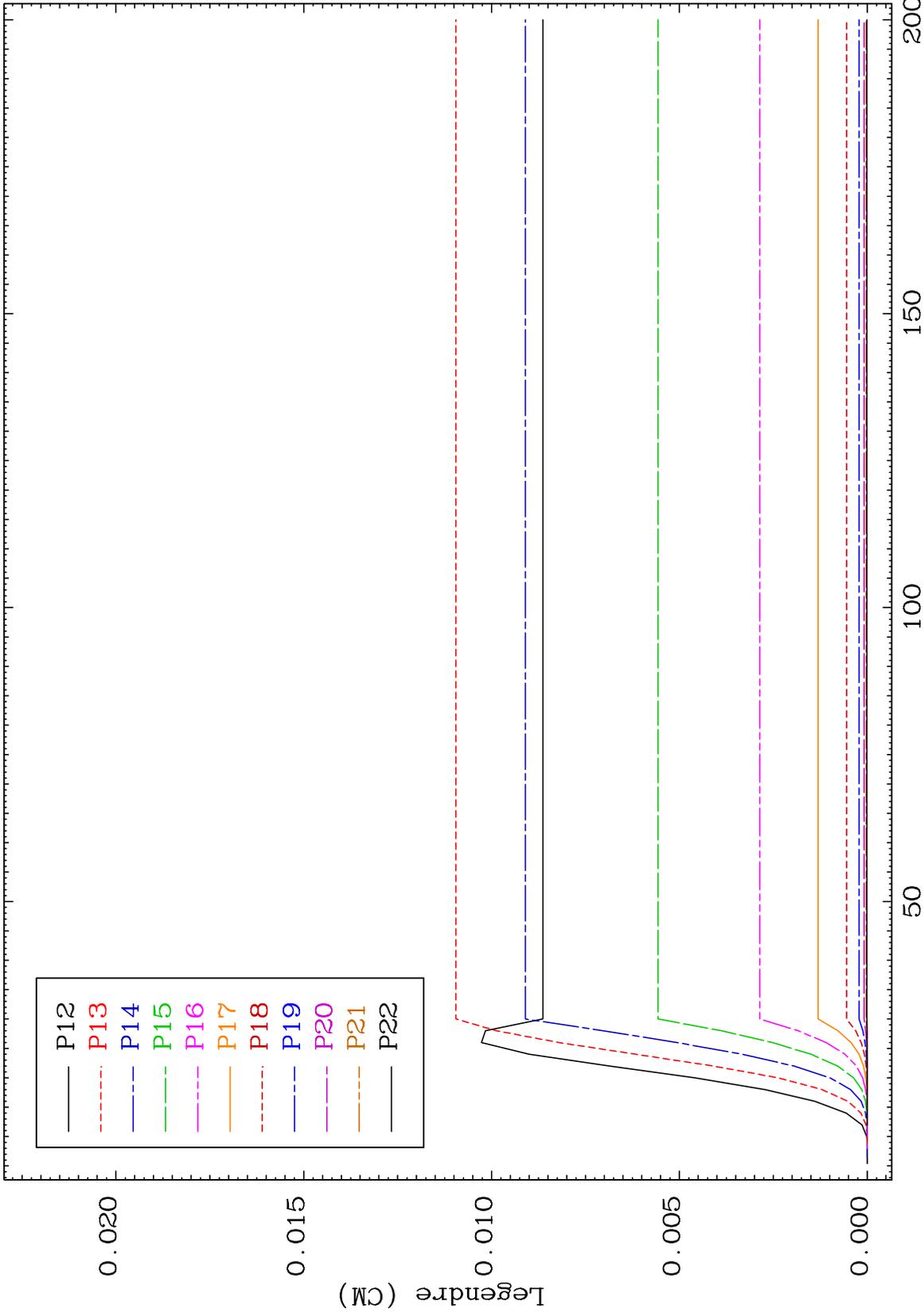
Incident Energy (MeV)

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MAT 2137

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

21-Sc-49



49

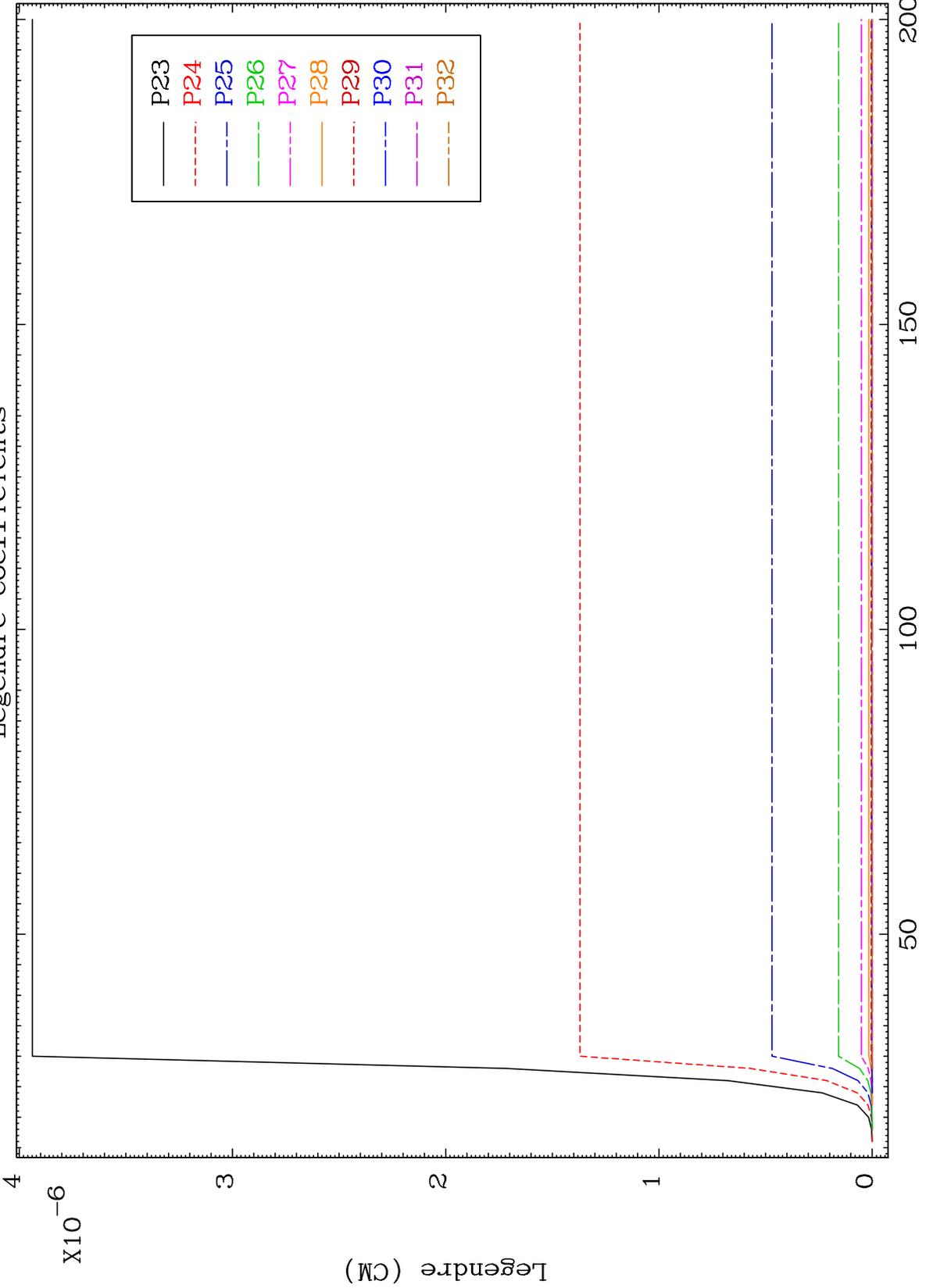
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49

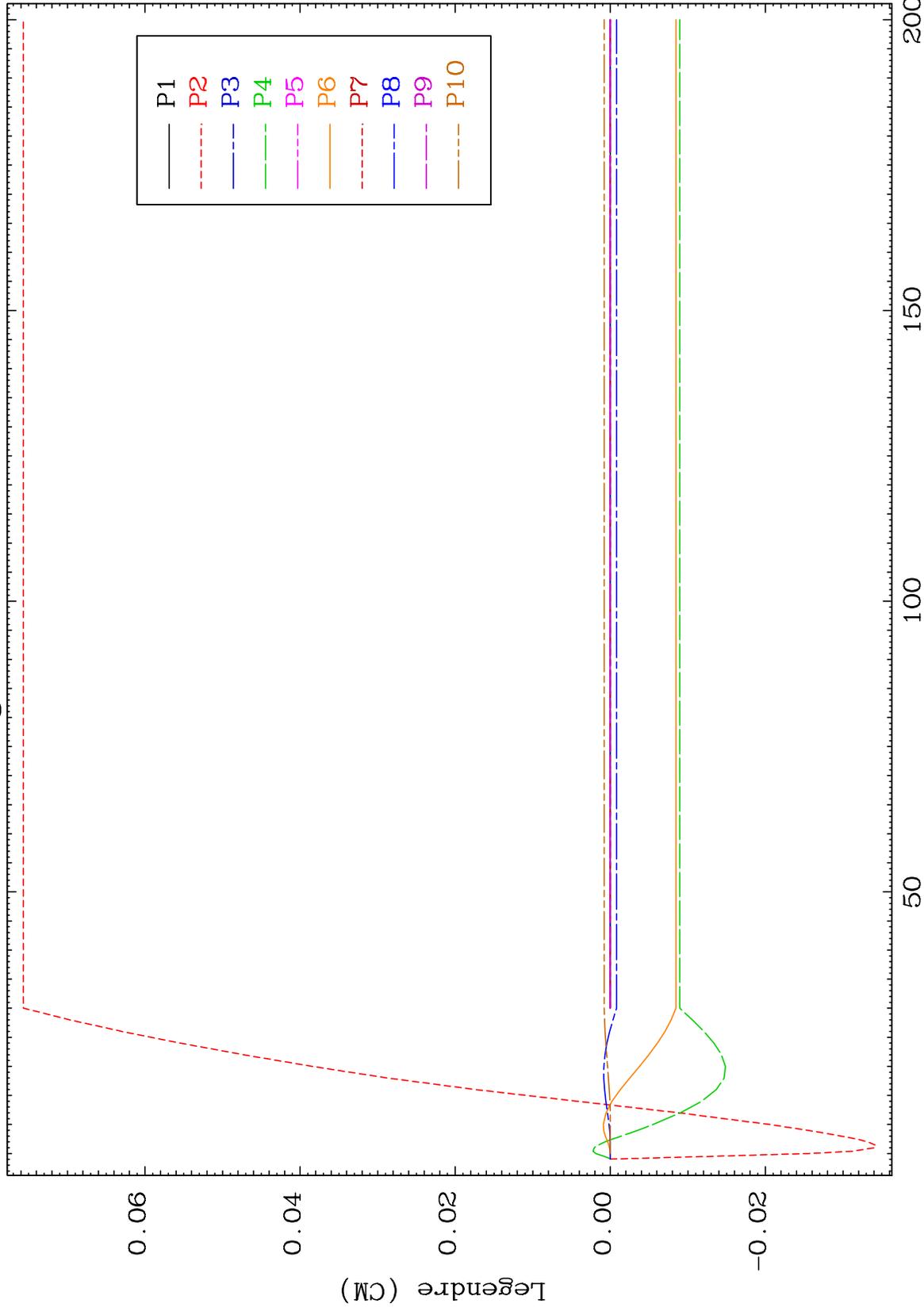


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MAT 2137

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

21-Sc-49



51

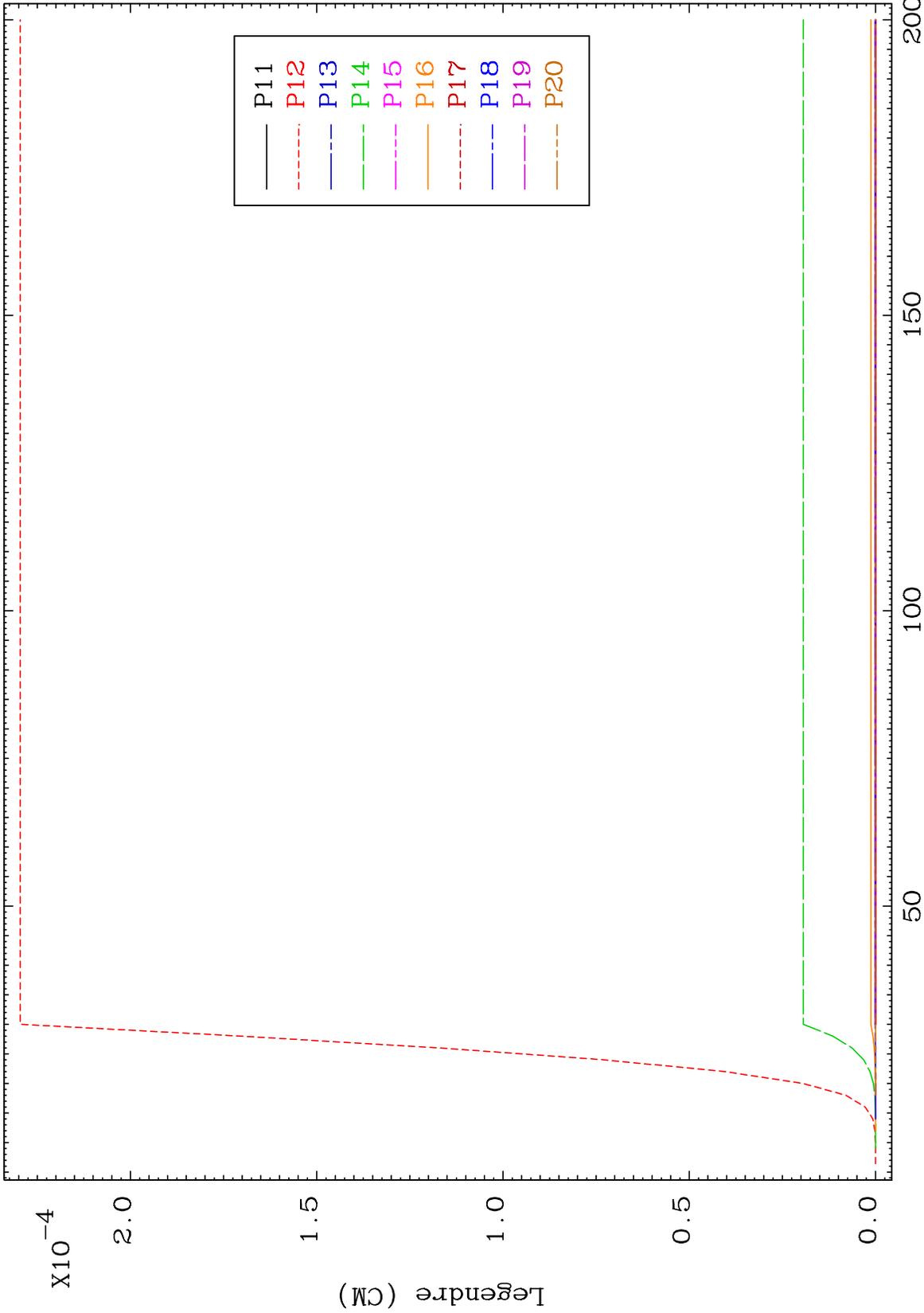
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



52

Incident Energy (MeV)

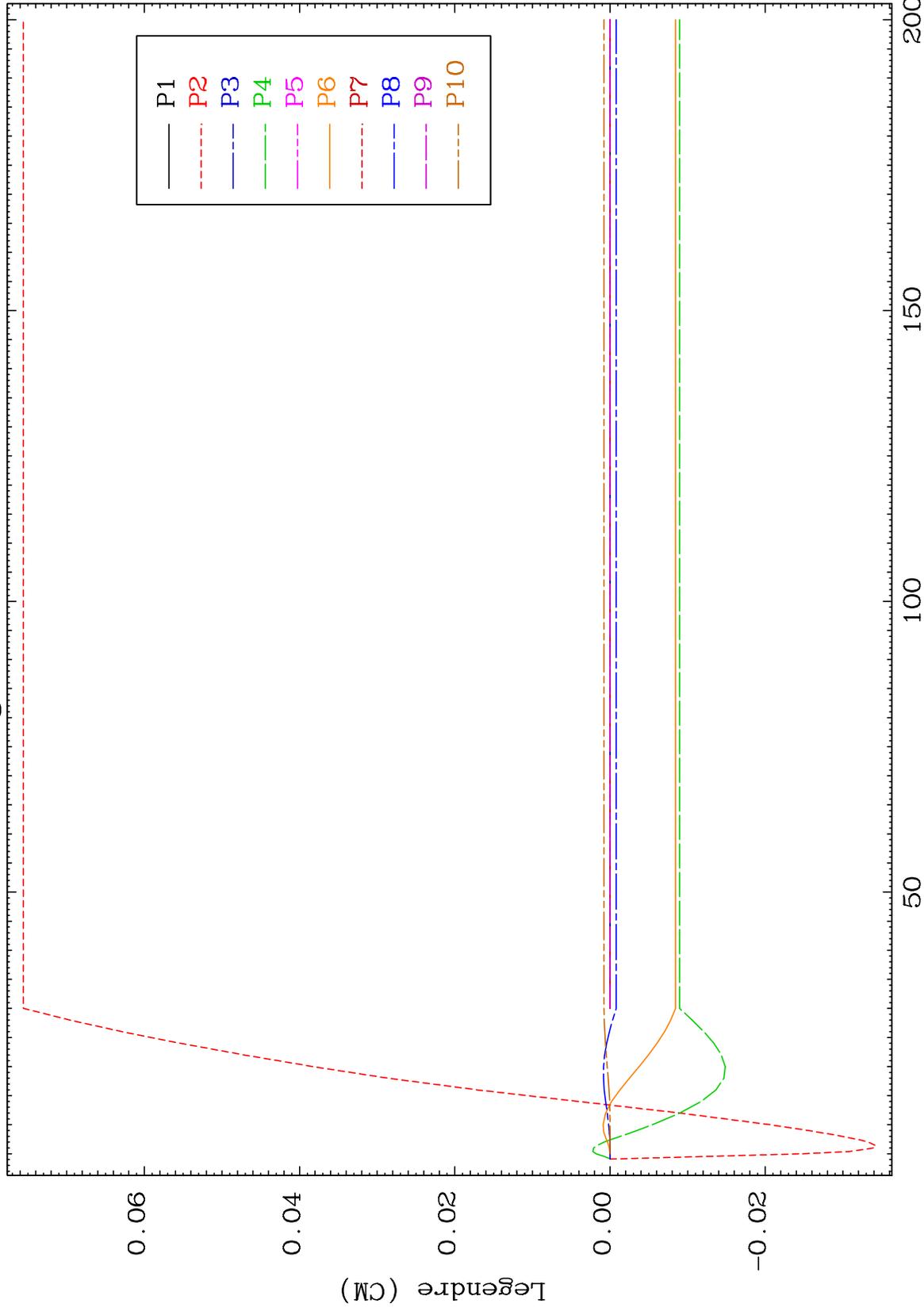
21-Sc-49



MAT 2137

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

21-Sc-49



54

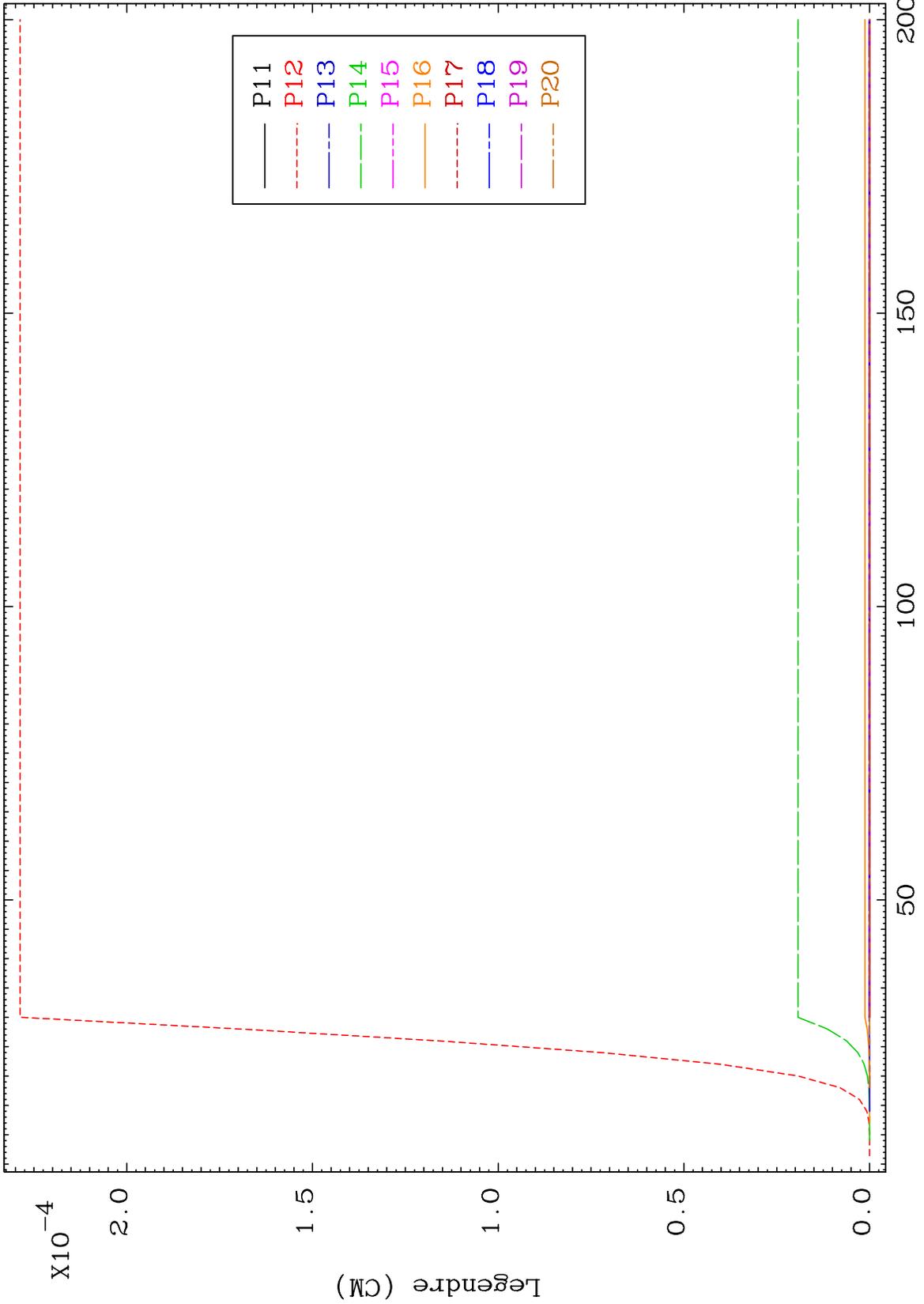
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



55

Incident Energy (MeV)

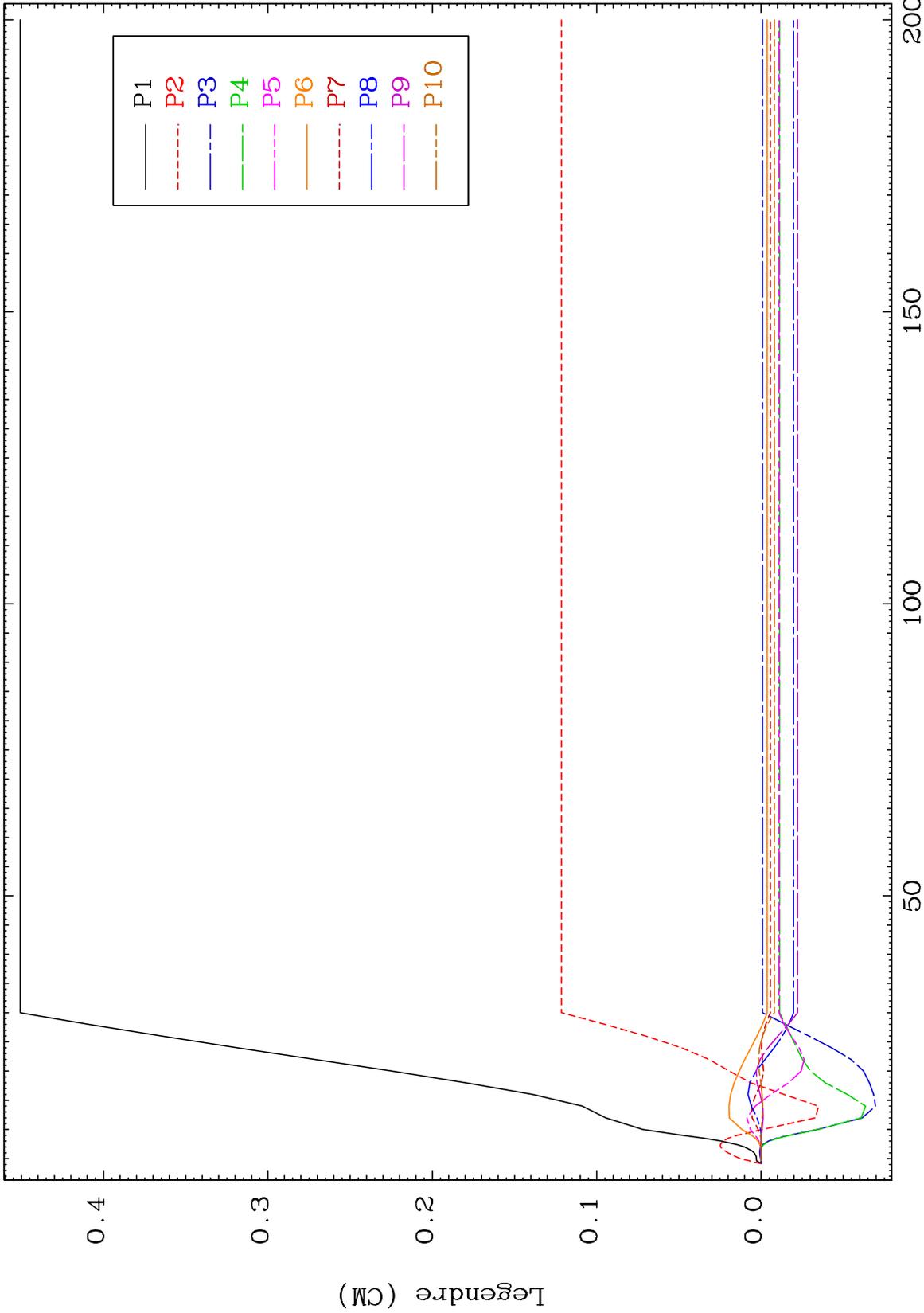
21-Sc-49



MAT 2137

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

21-Sc-49



57

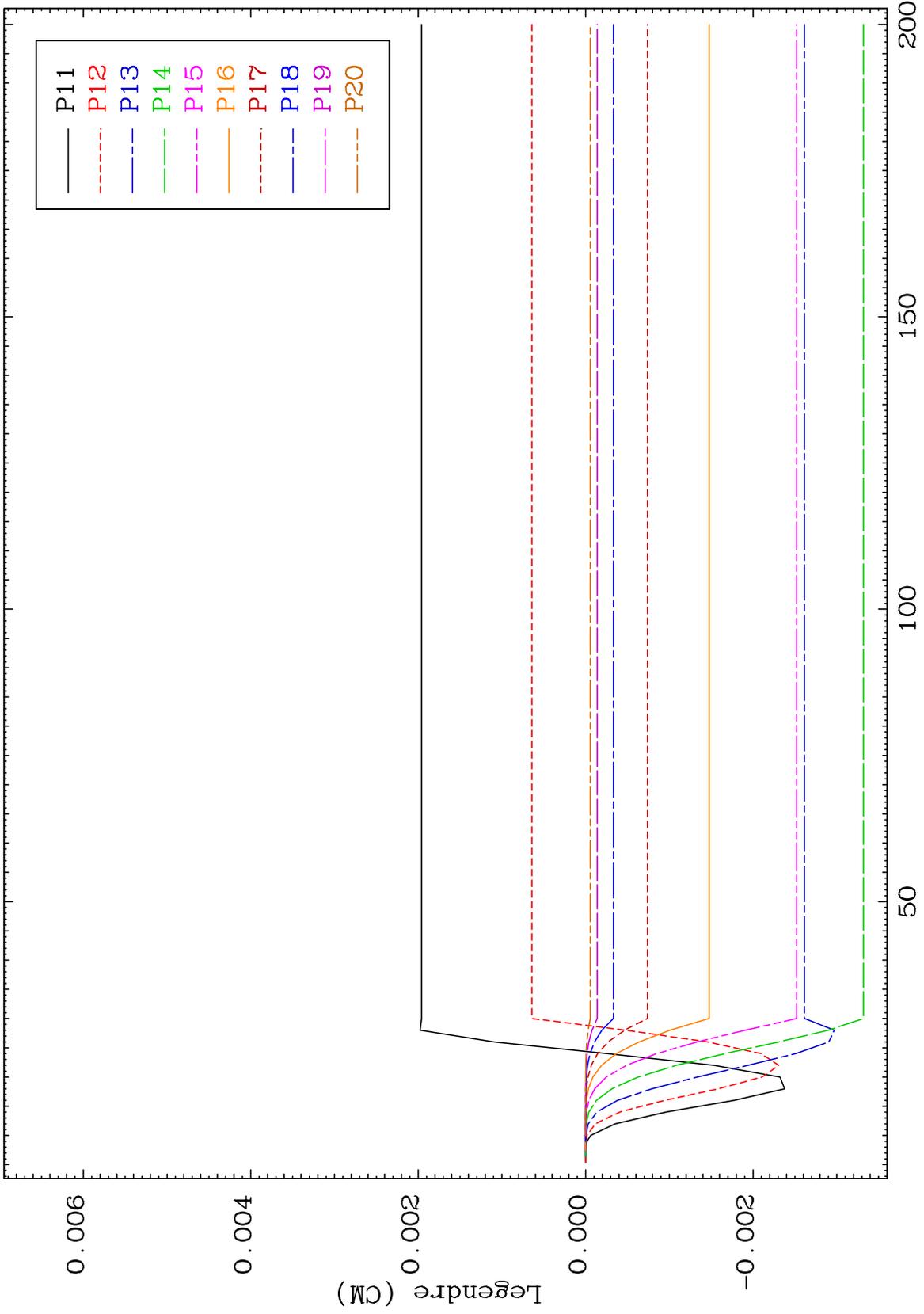
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



58

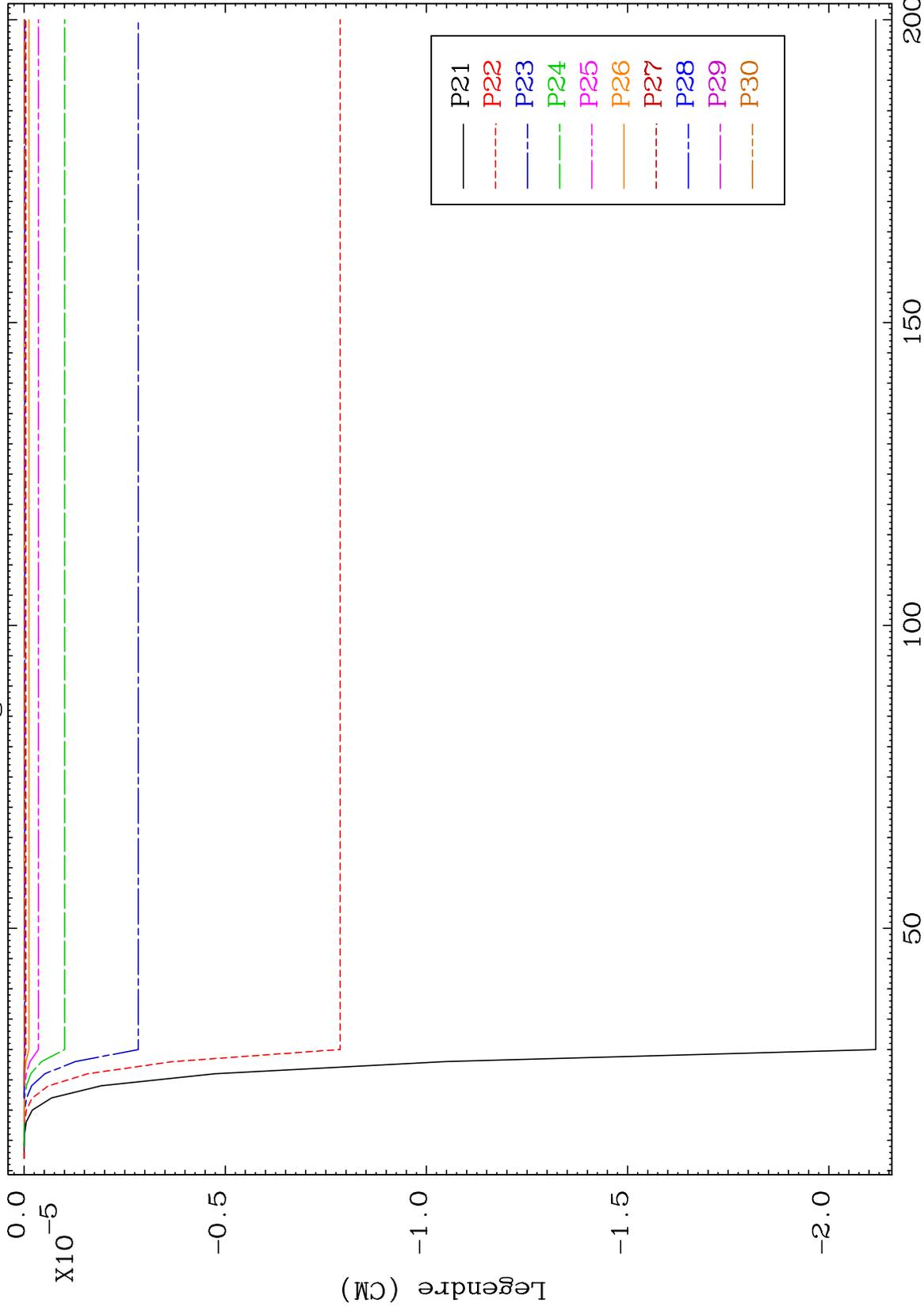
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49

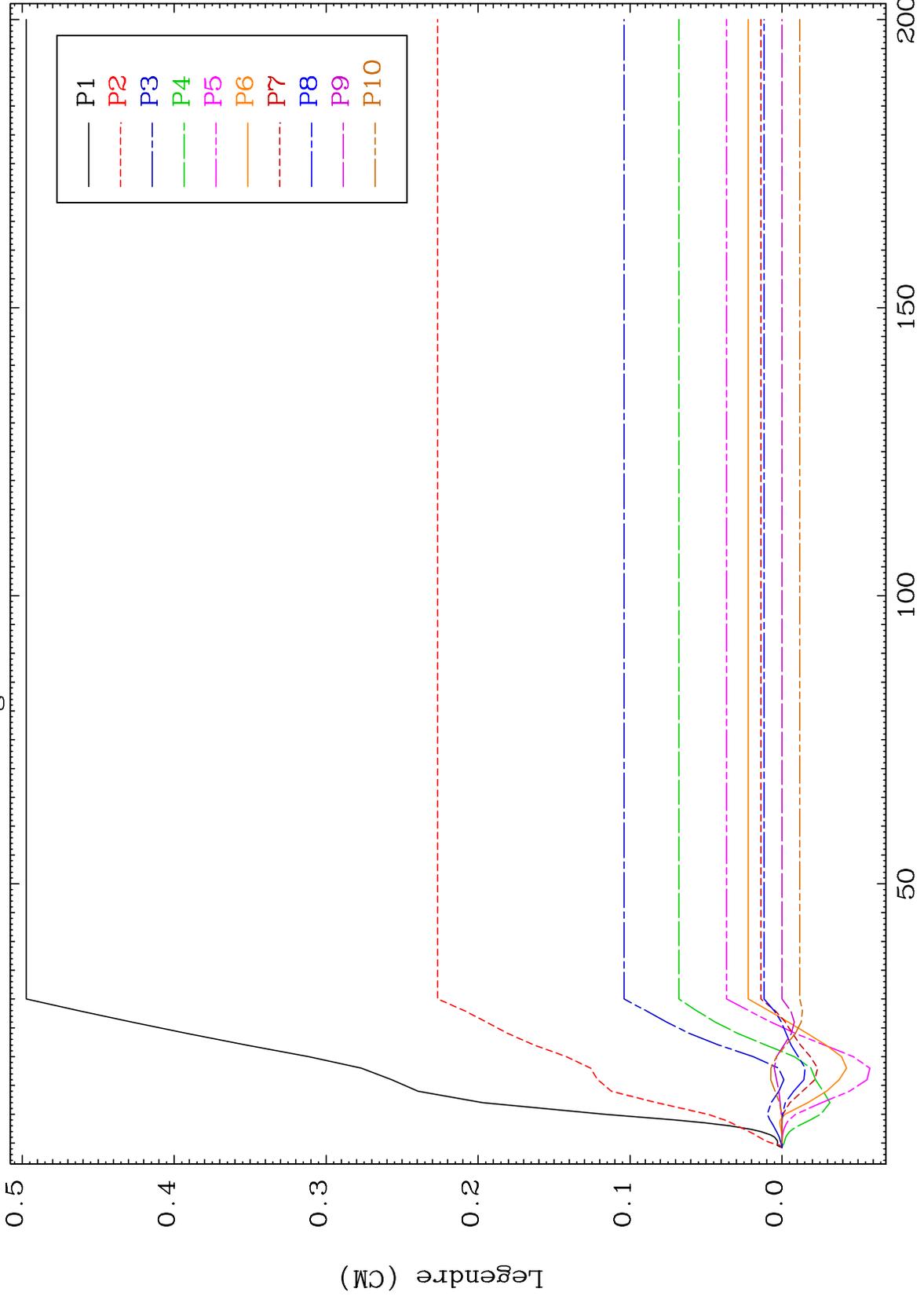


21-Sc-49

Incident Energy (MeV)

59

MAT 2137 MT= 65 (n,n') Level Legendre Coefficients 21-Sc-49

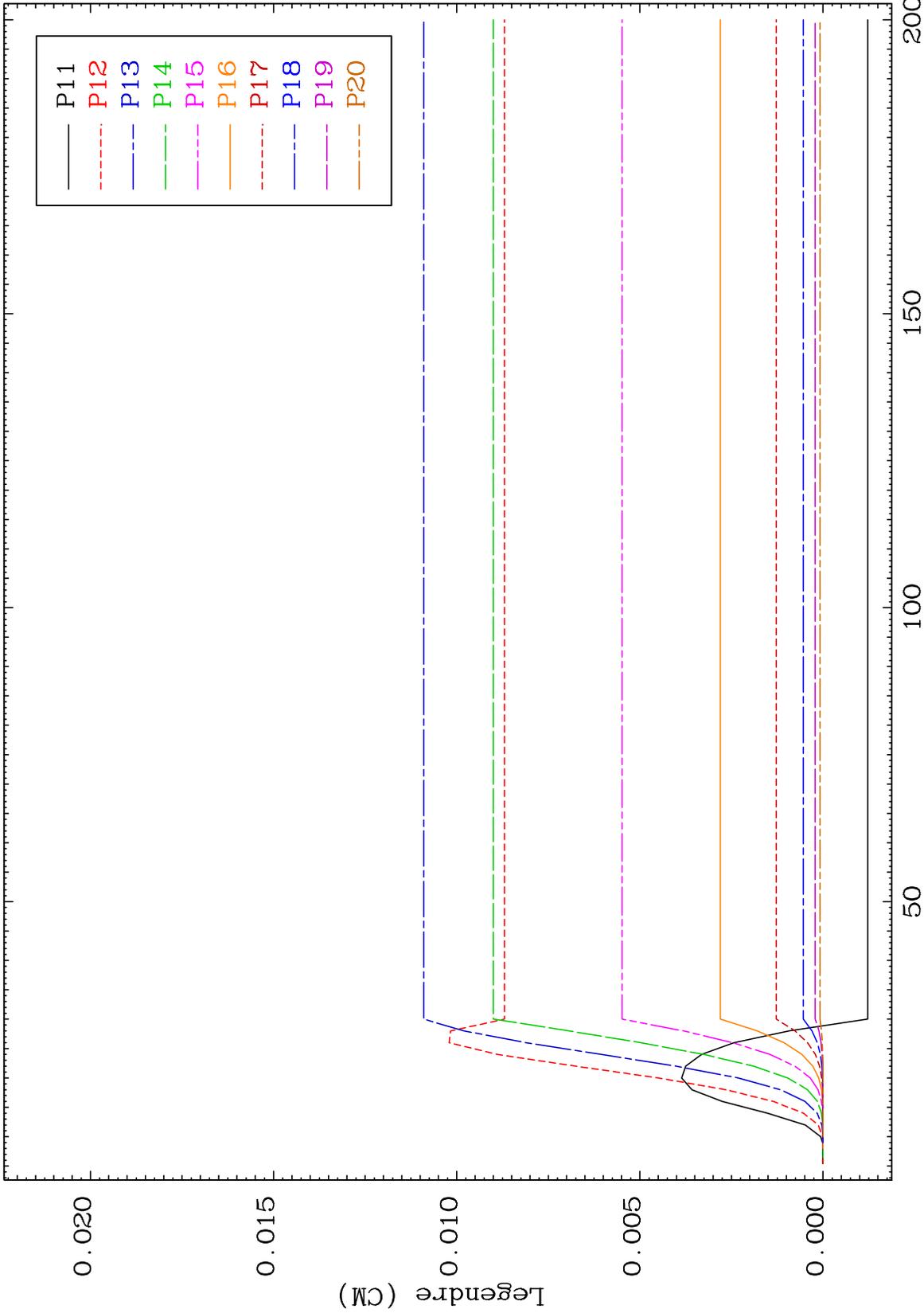


60 50 100 150 200 21-Sc-49

MAT 2137

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

21-Sc-49



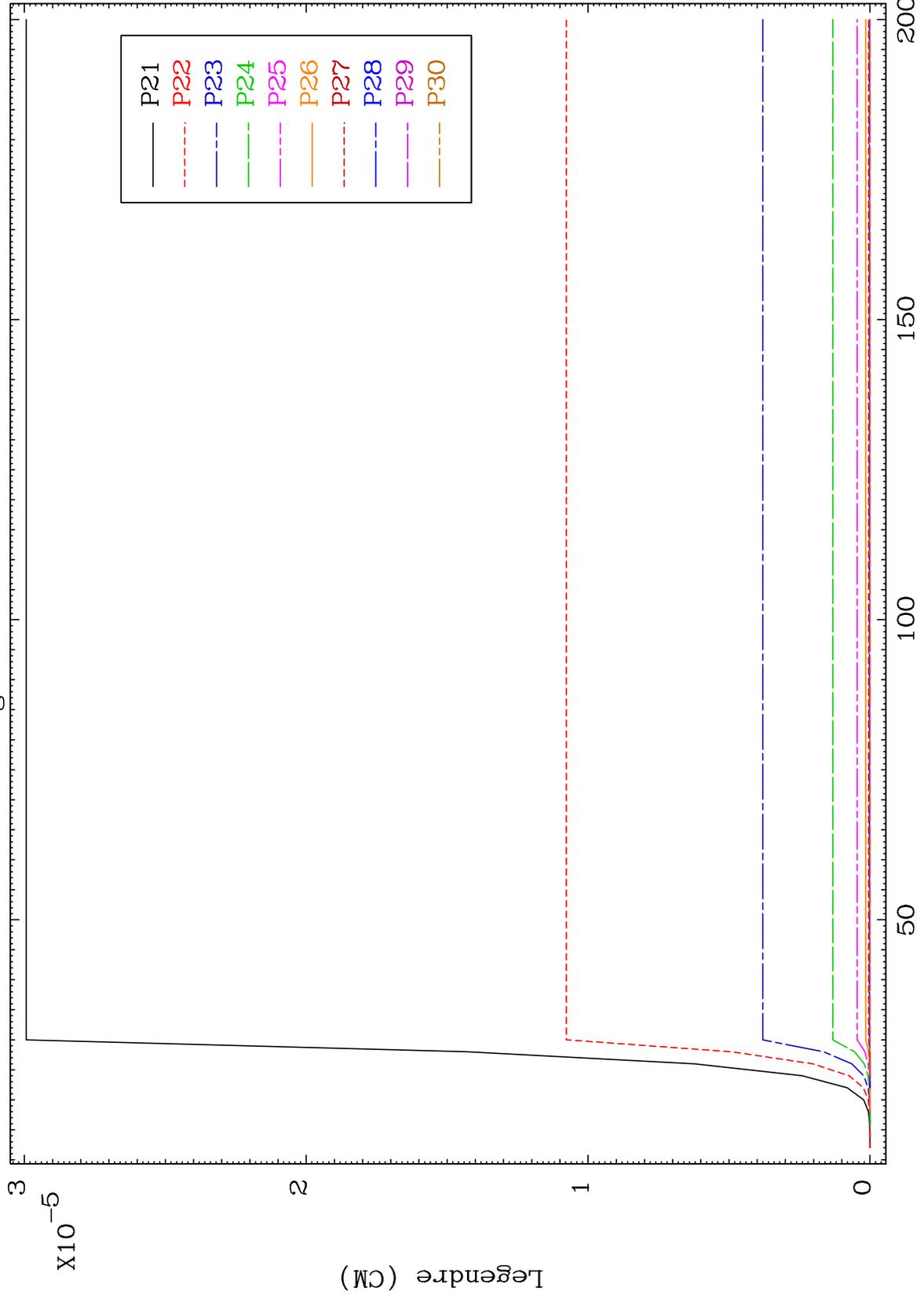
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21-Sc-49

MAT 2137

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

21-Sc-49

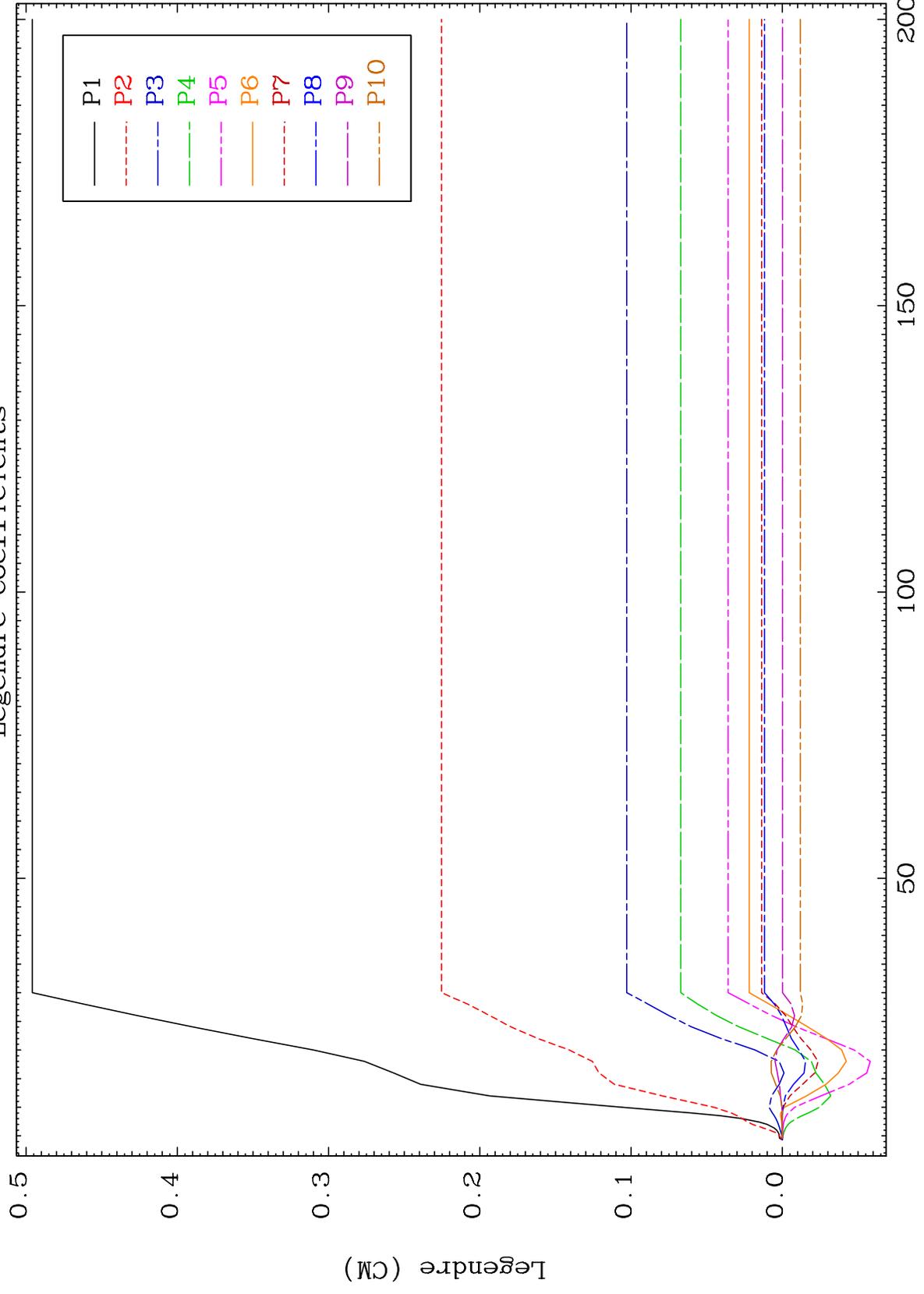


62

Incident Energy (MeV)

21-Sc-49

MAT 2137 MT= 66 (n,n') Level Legendre Coefficients 21-Sc-49

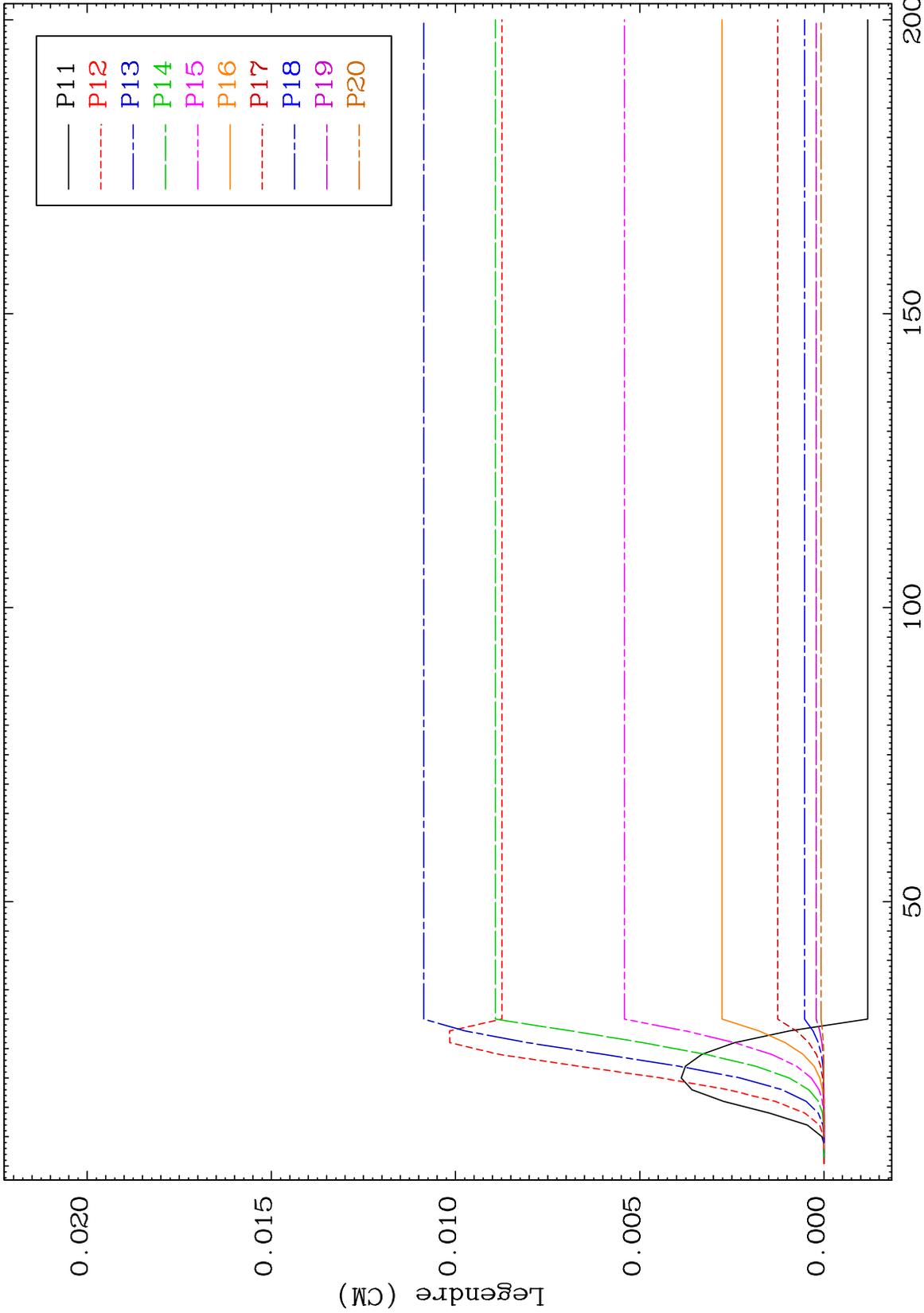


63 21-Sc-49

MAT 2137

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

21-Sc-49



64

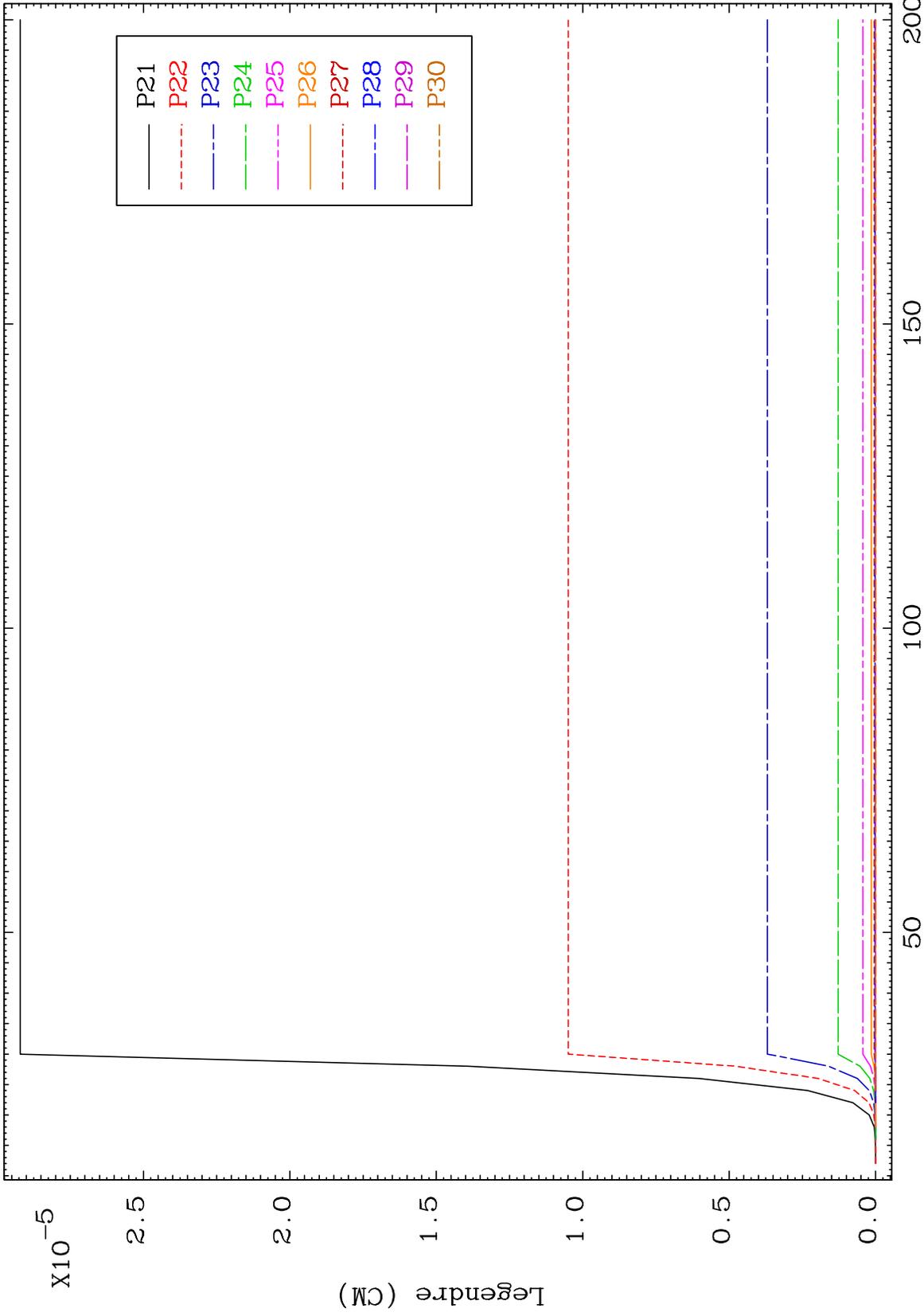
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



65

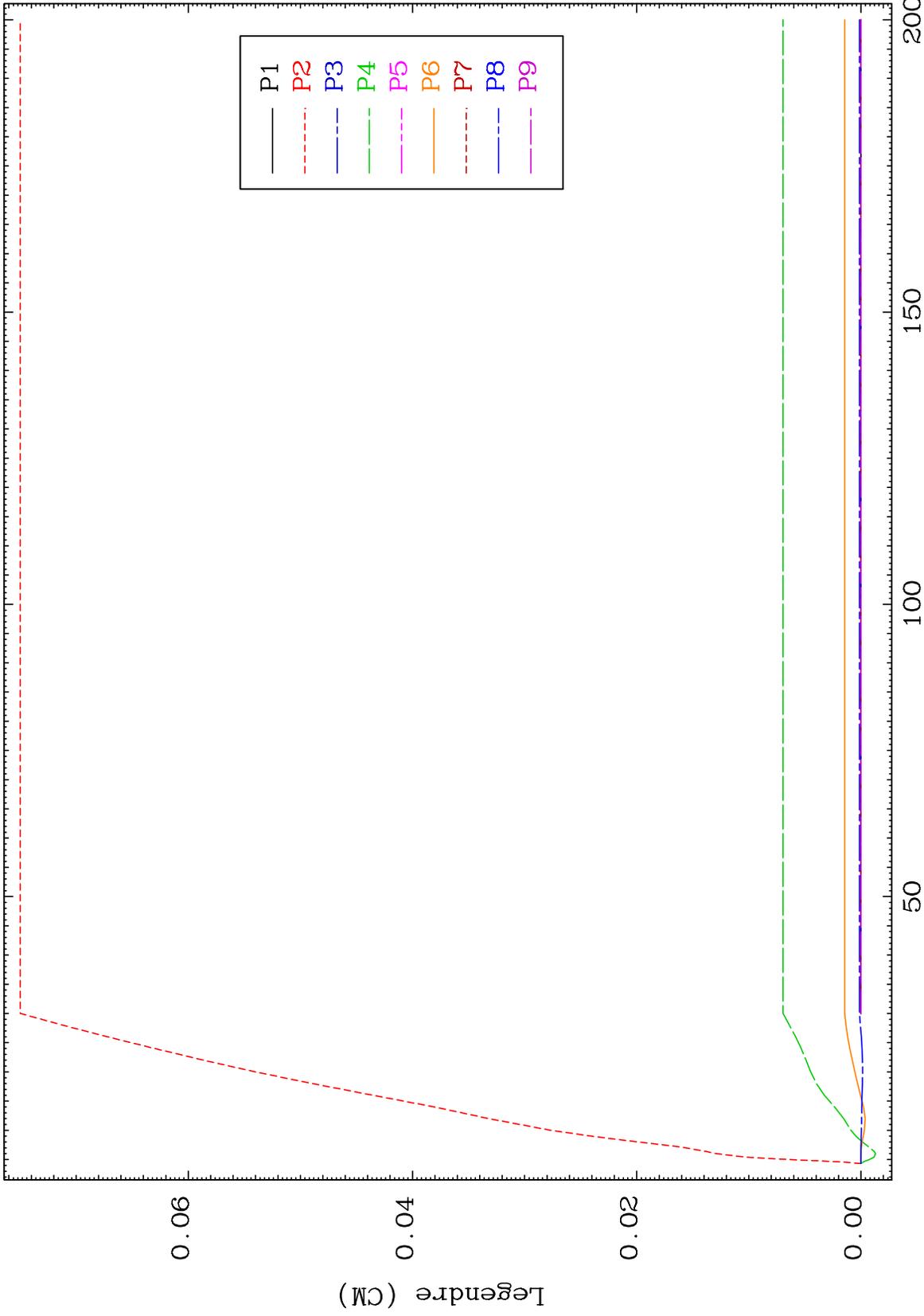
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



66

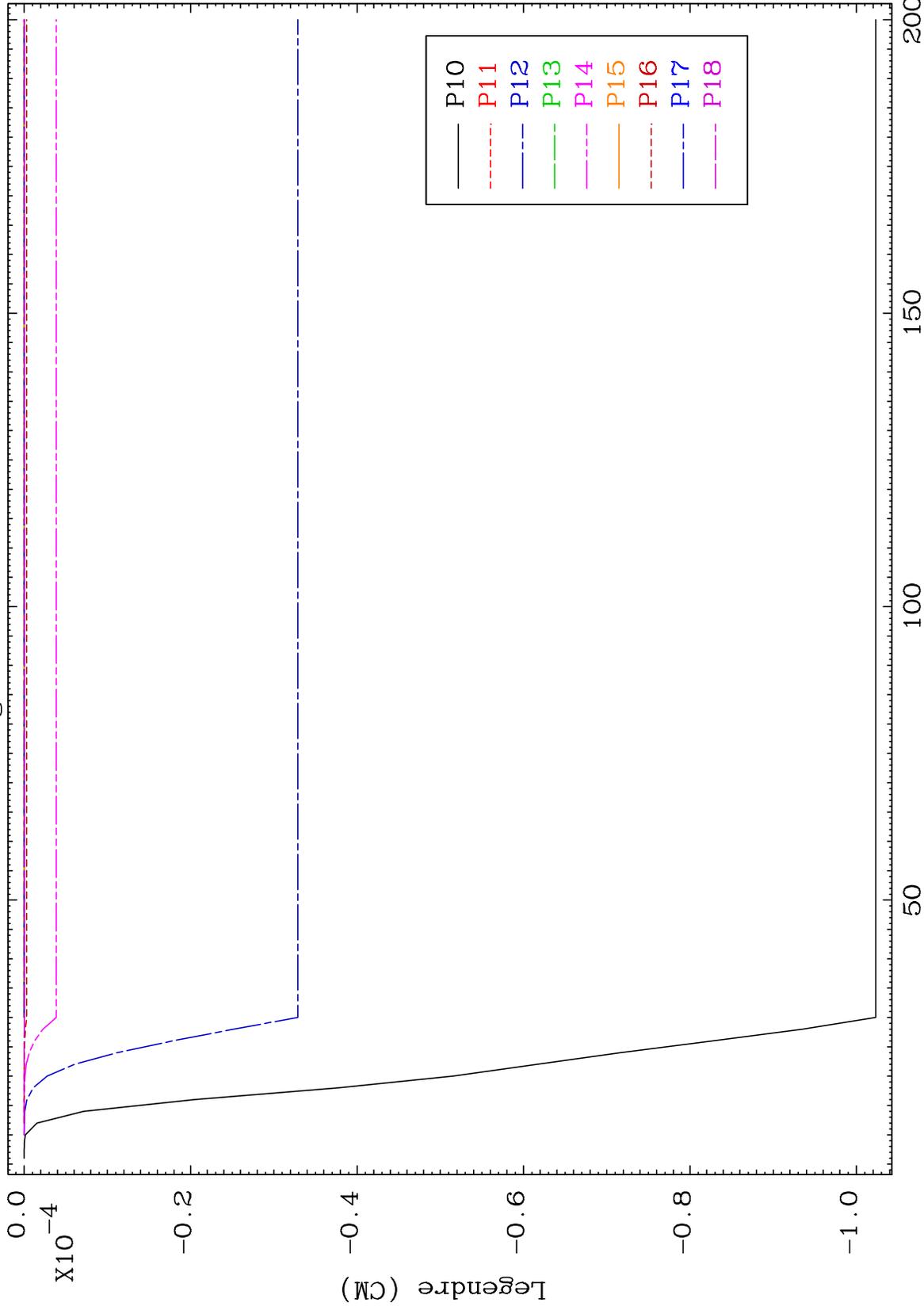
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



67

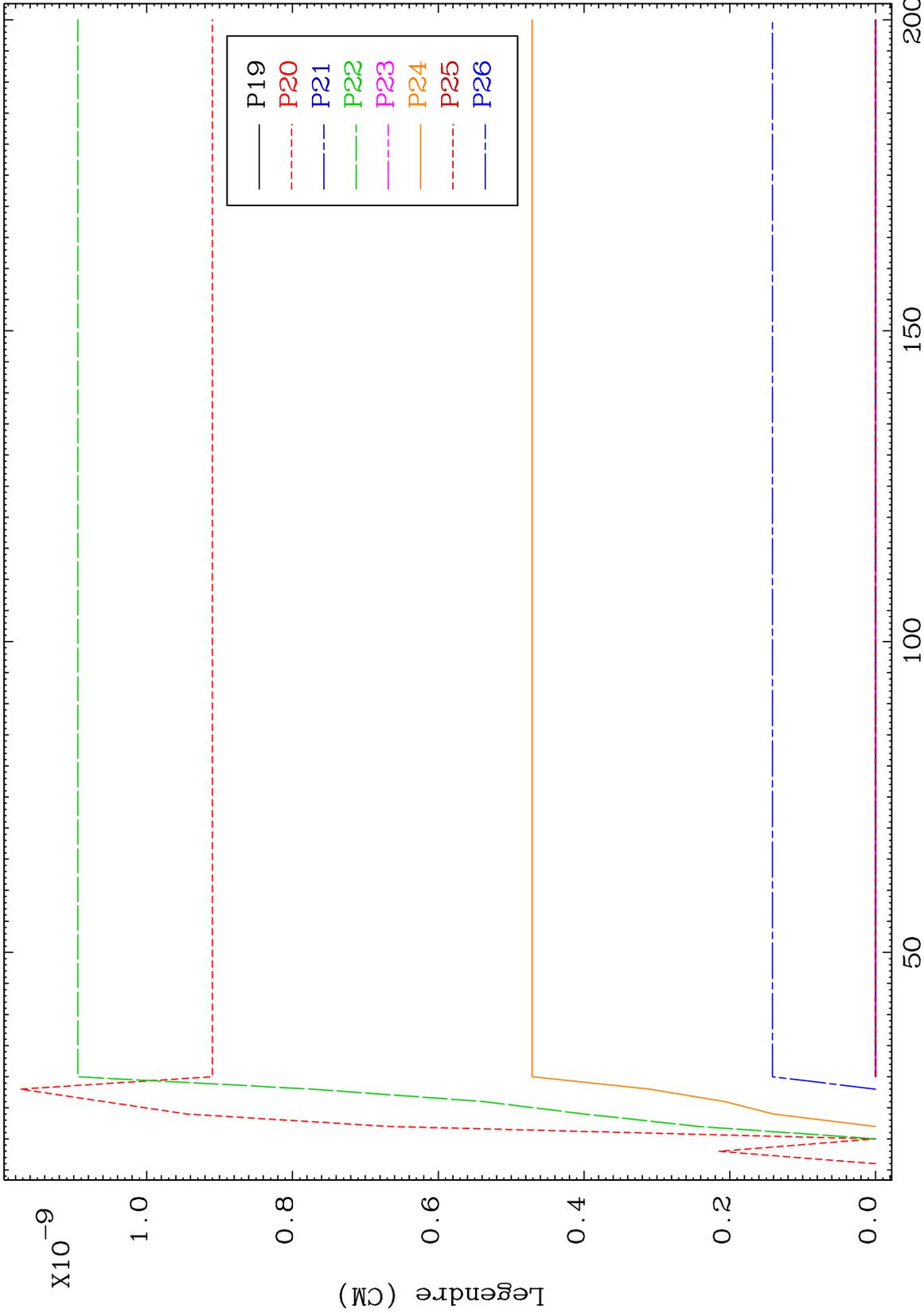
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



68

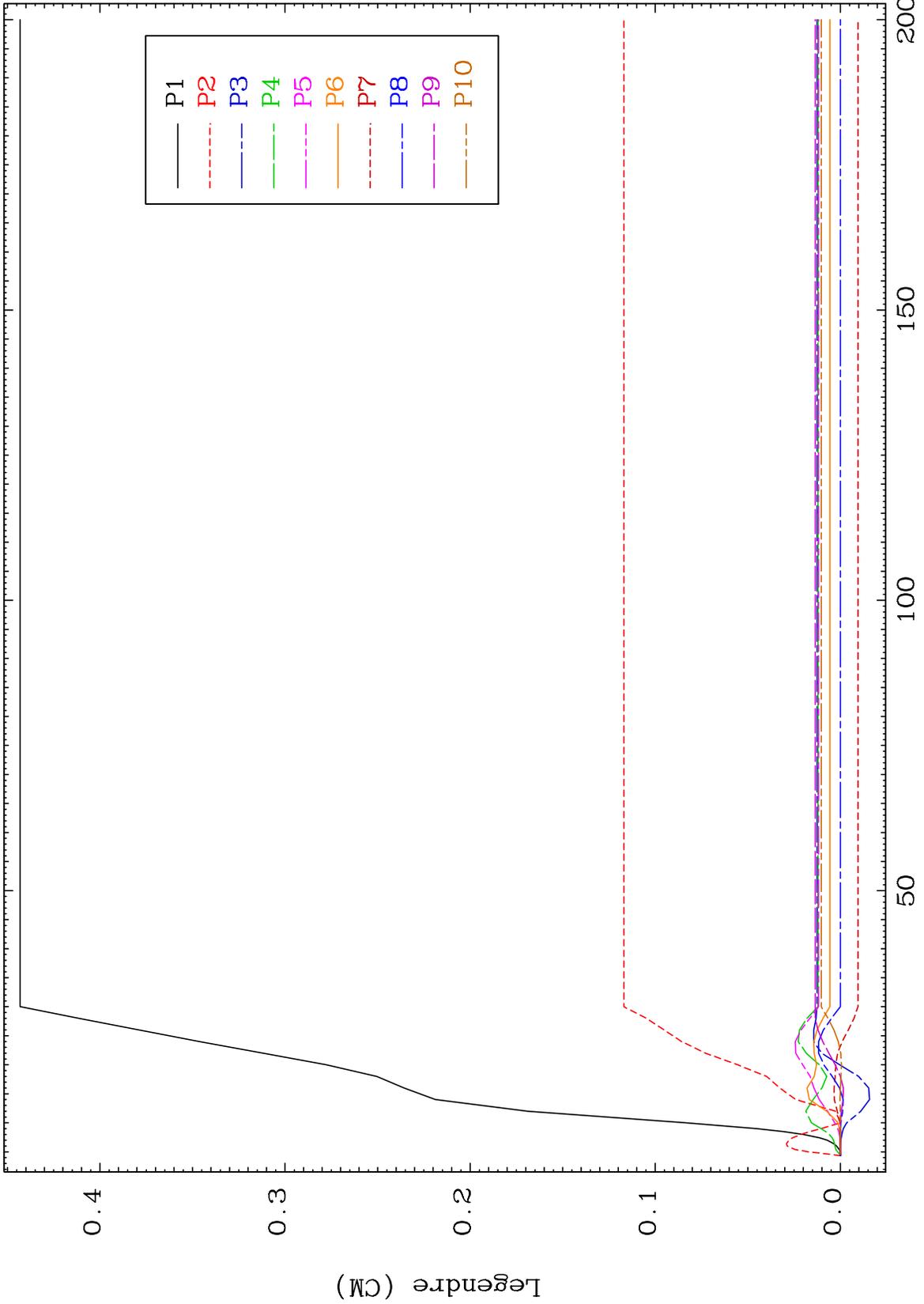
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



69

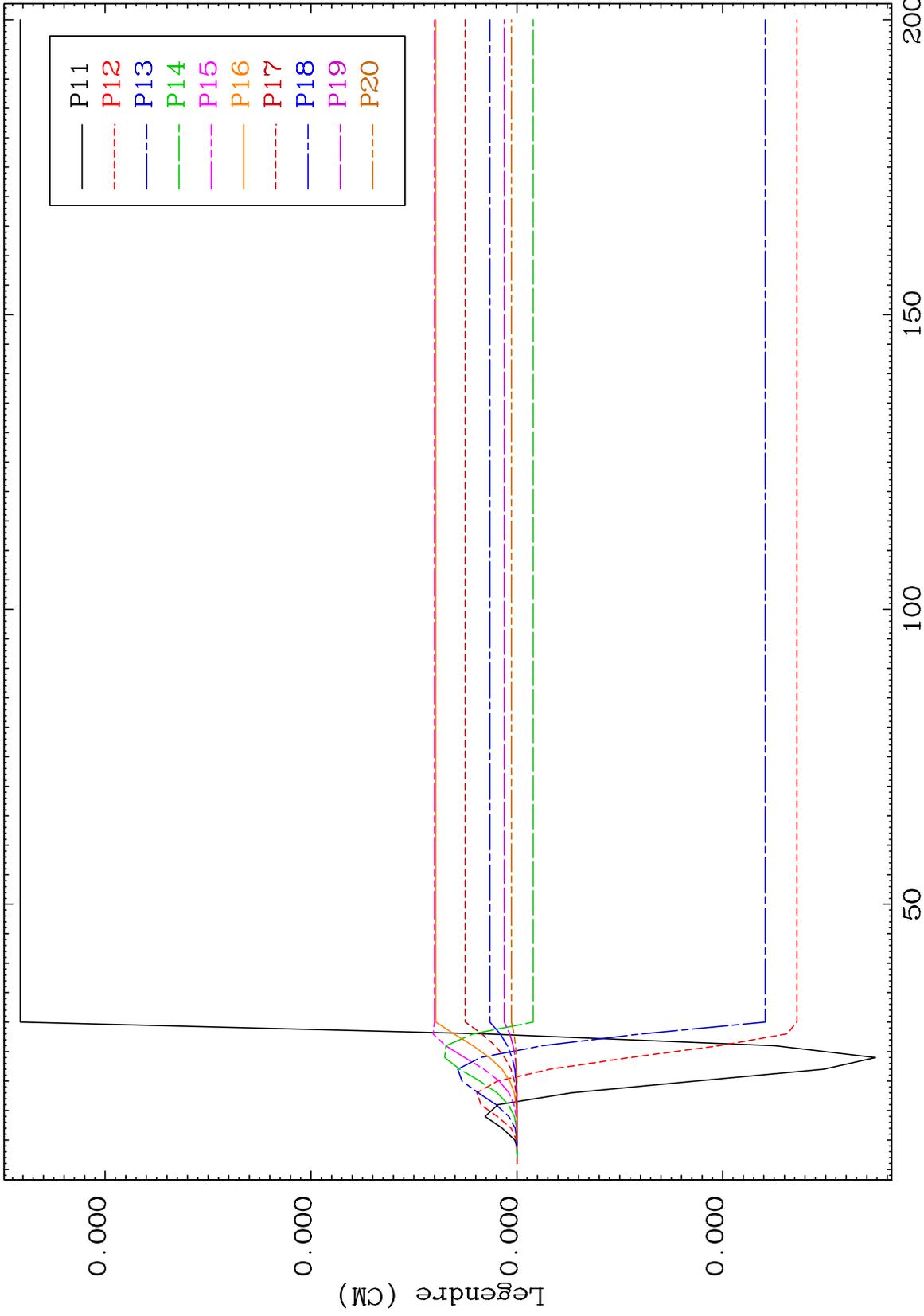
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



70

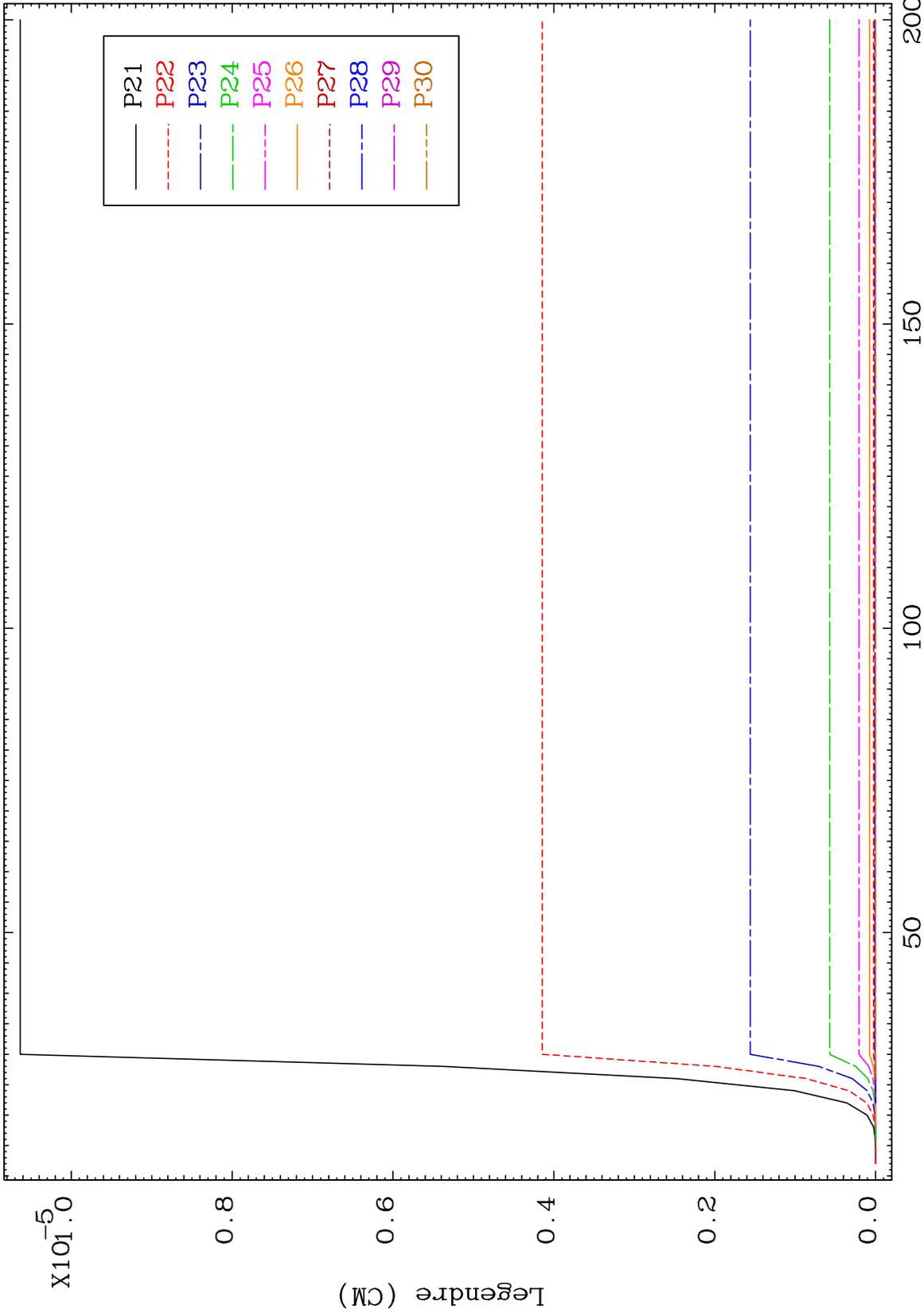
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



71

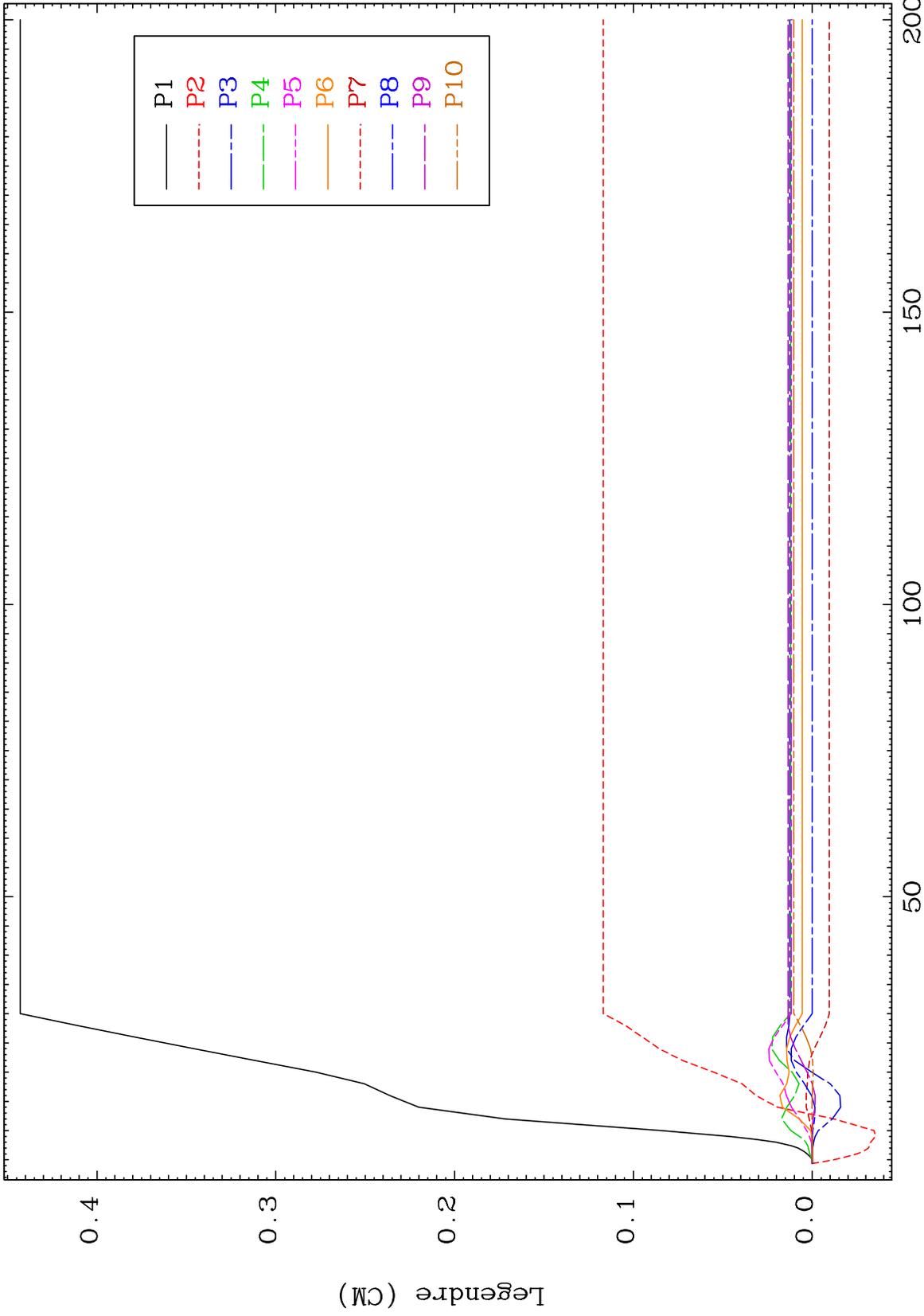
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



72

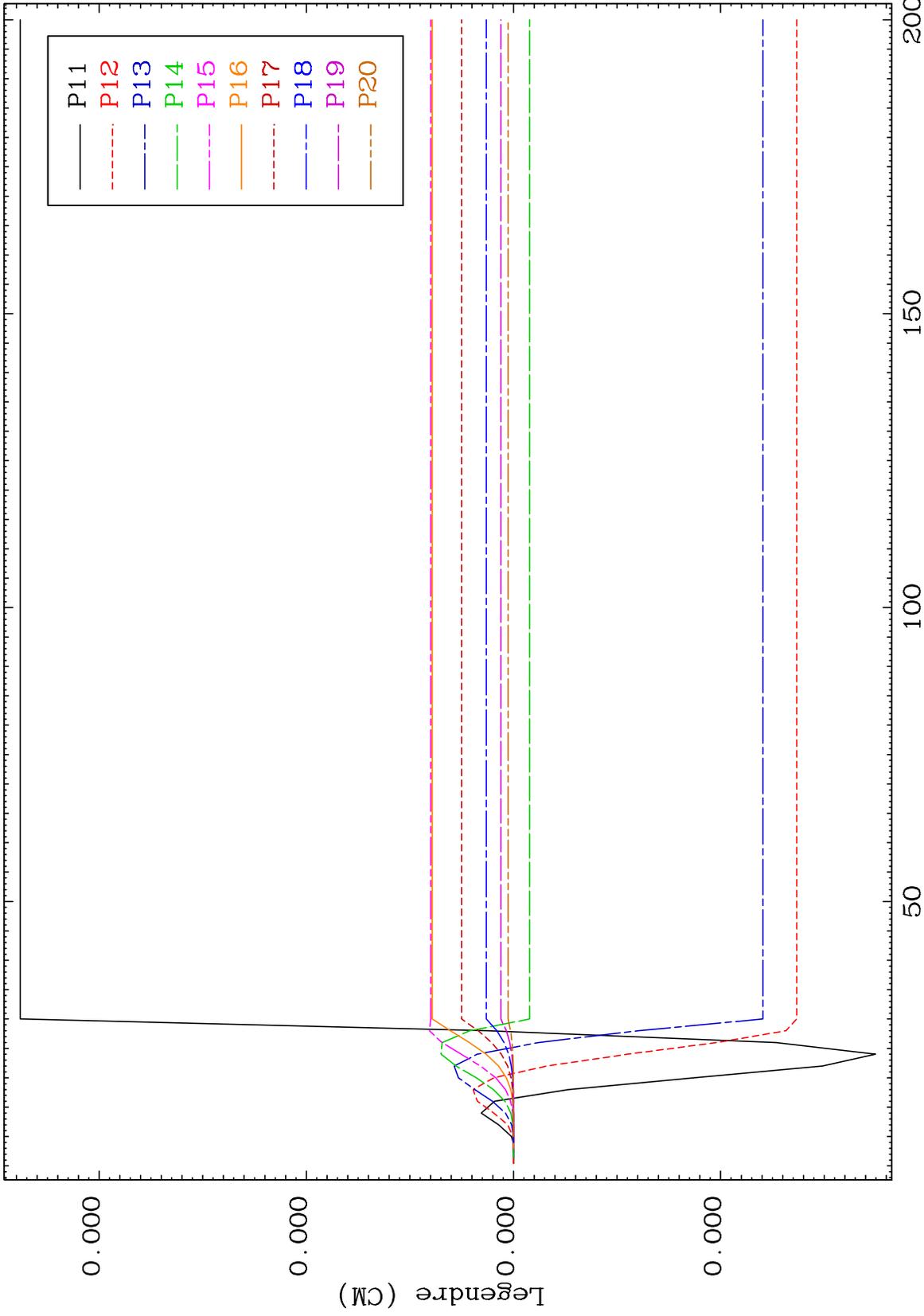
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



73

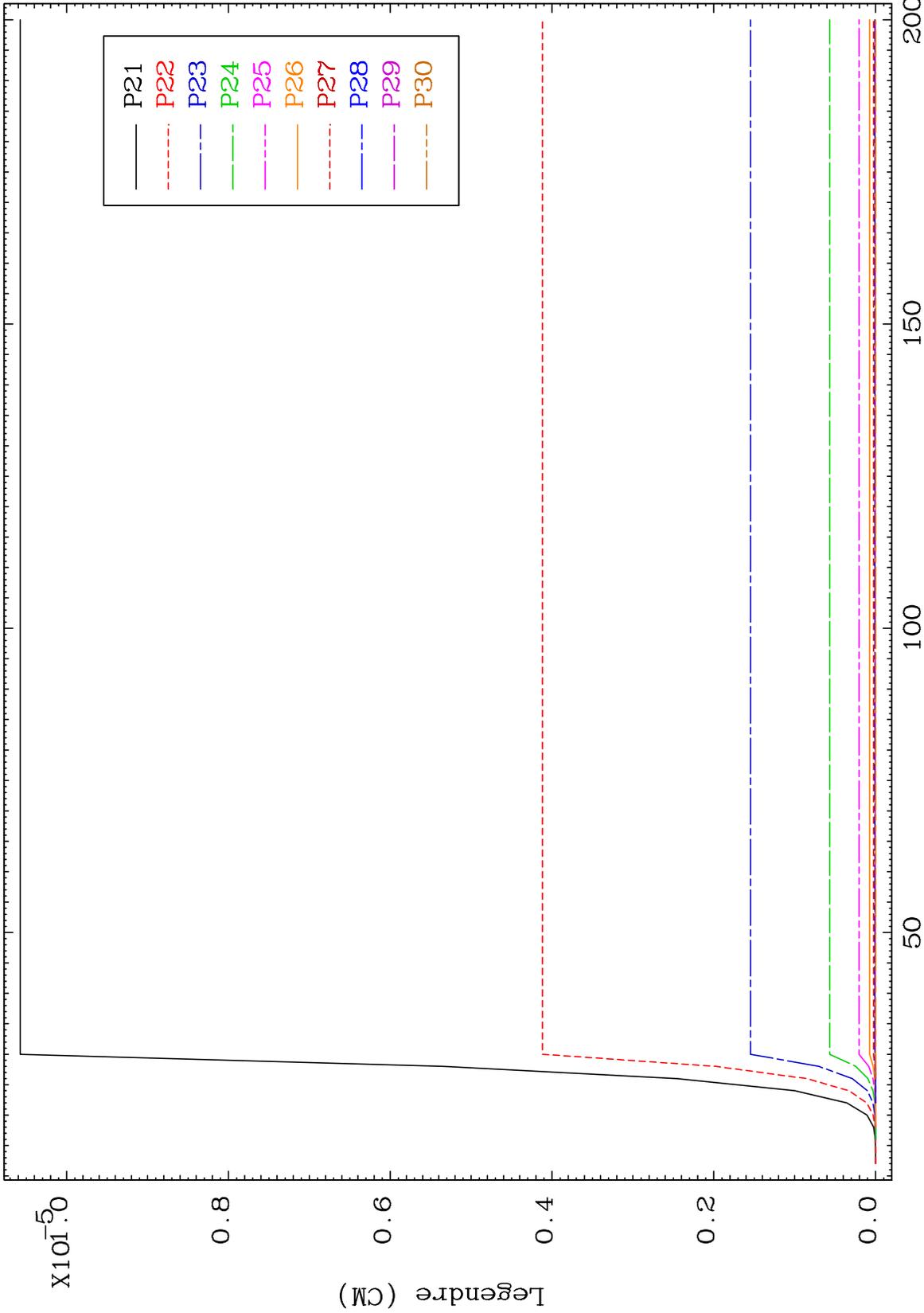
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

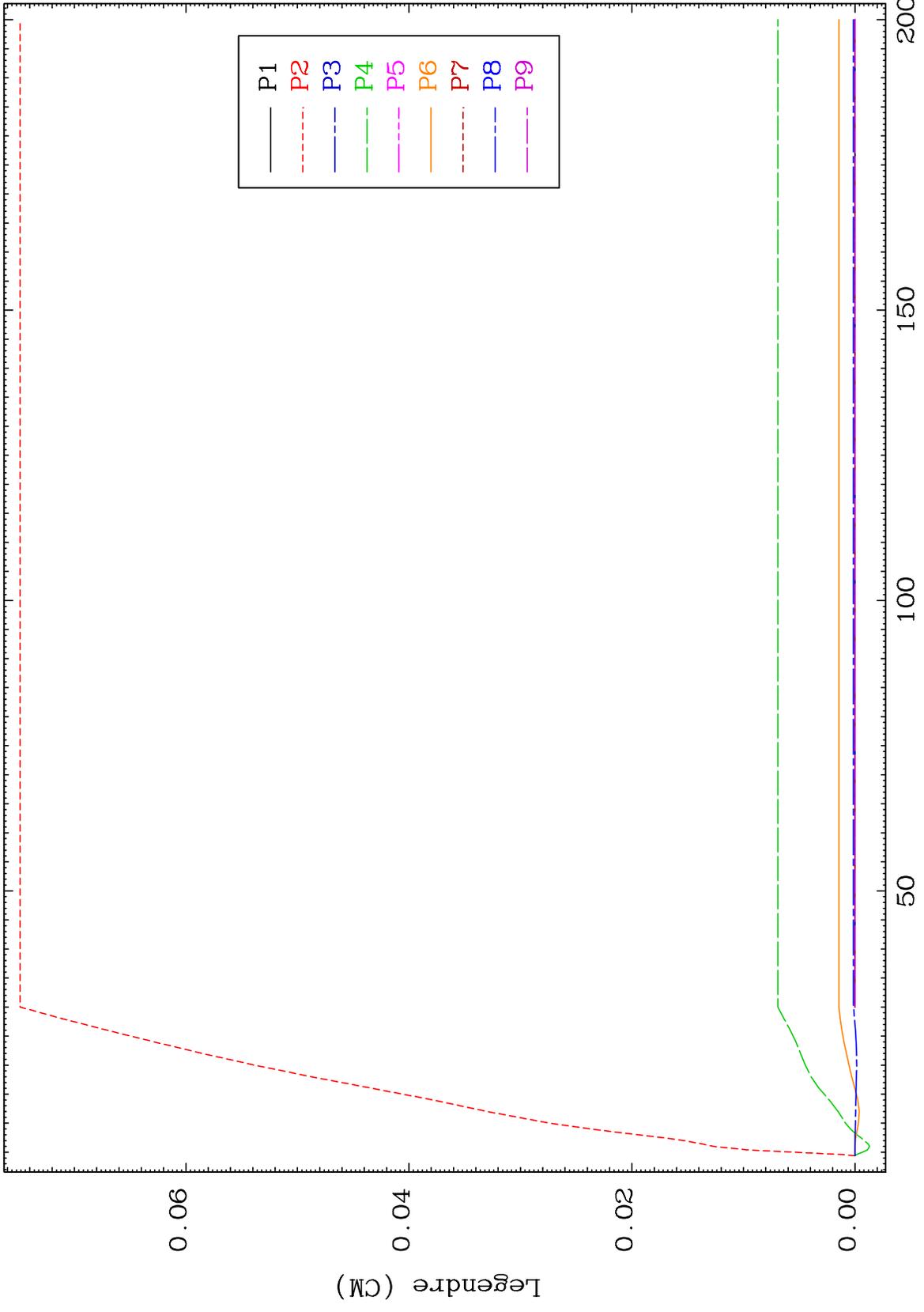
21-Sc-49



74

21-Sc-49

MAT 2137 MT= 70 (n,n') Level Legendre Coefficients 21-Sc-49

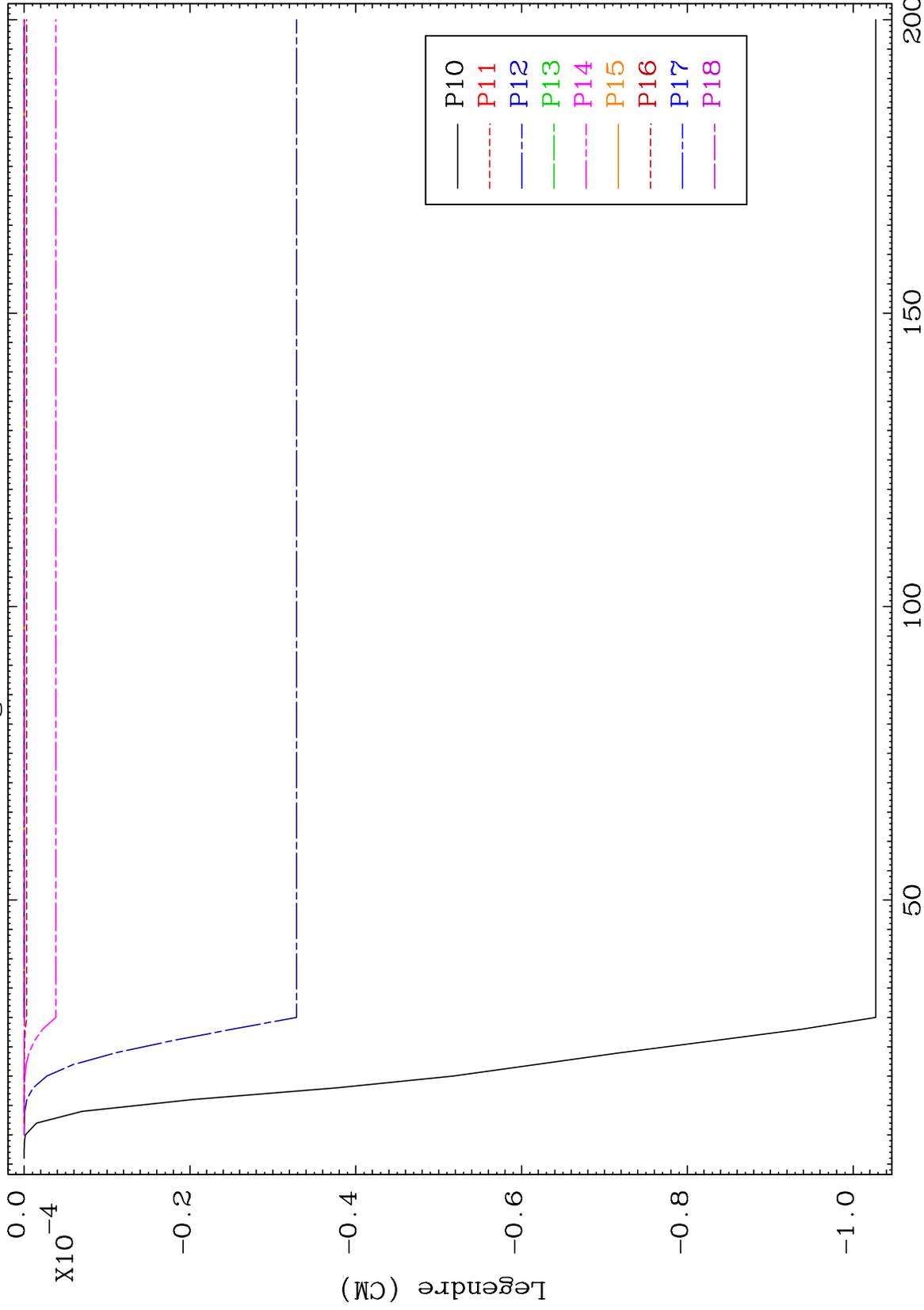


75 Incident Energy (MeV) 21-Sc-49

MAT 2137

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

21-Sc-49



76

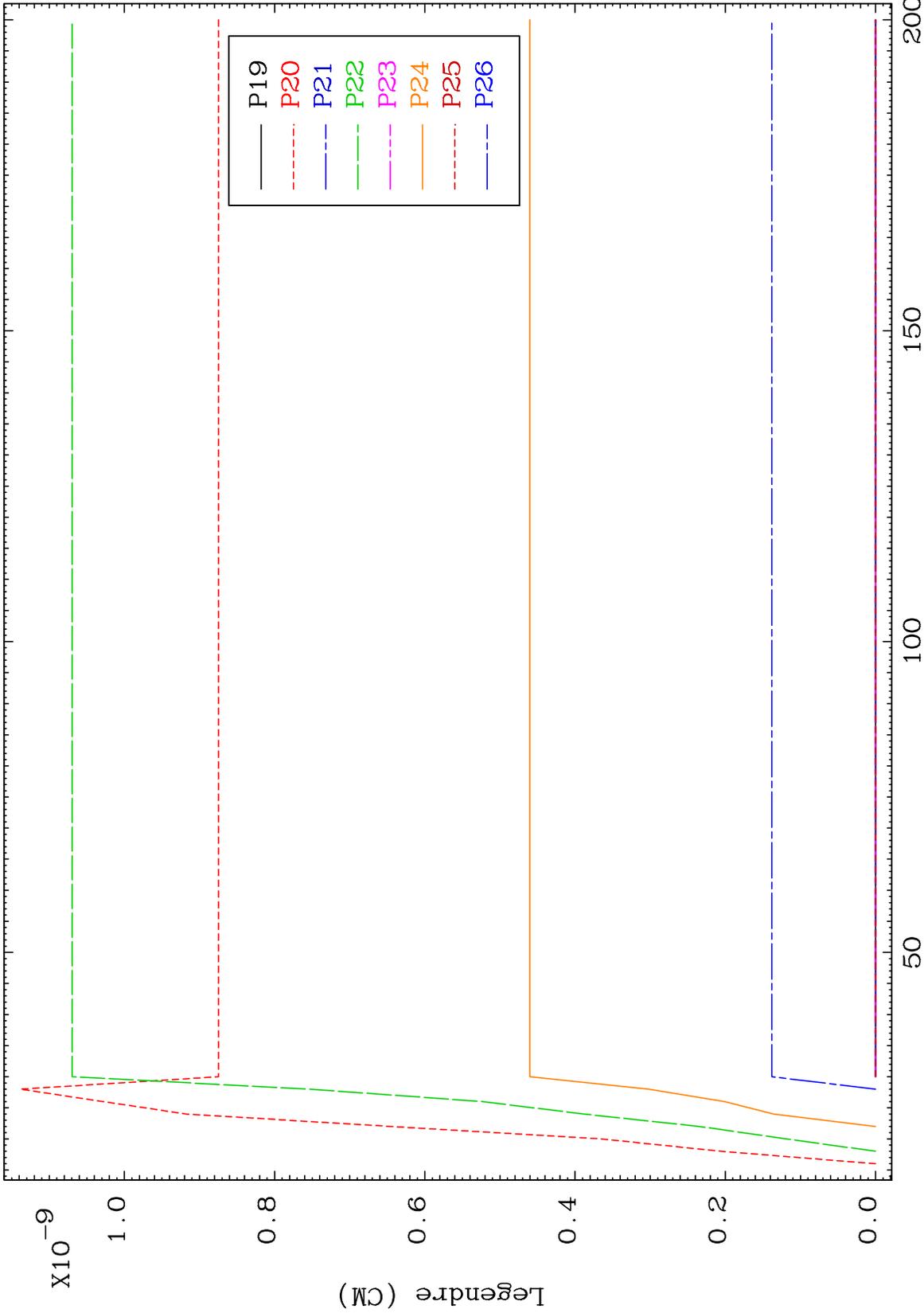
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



77

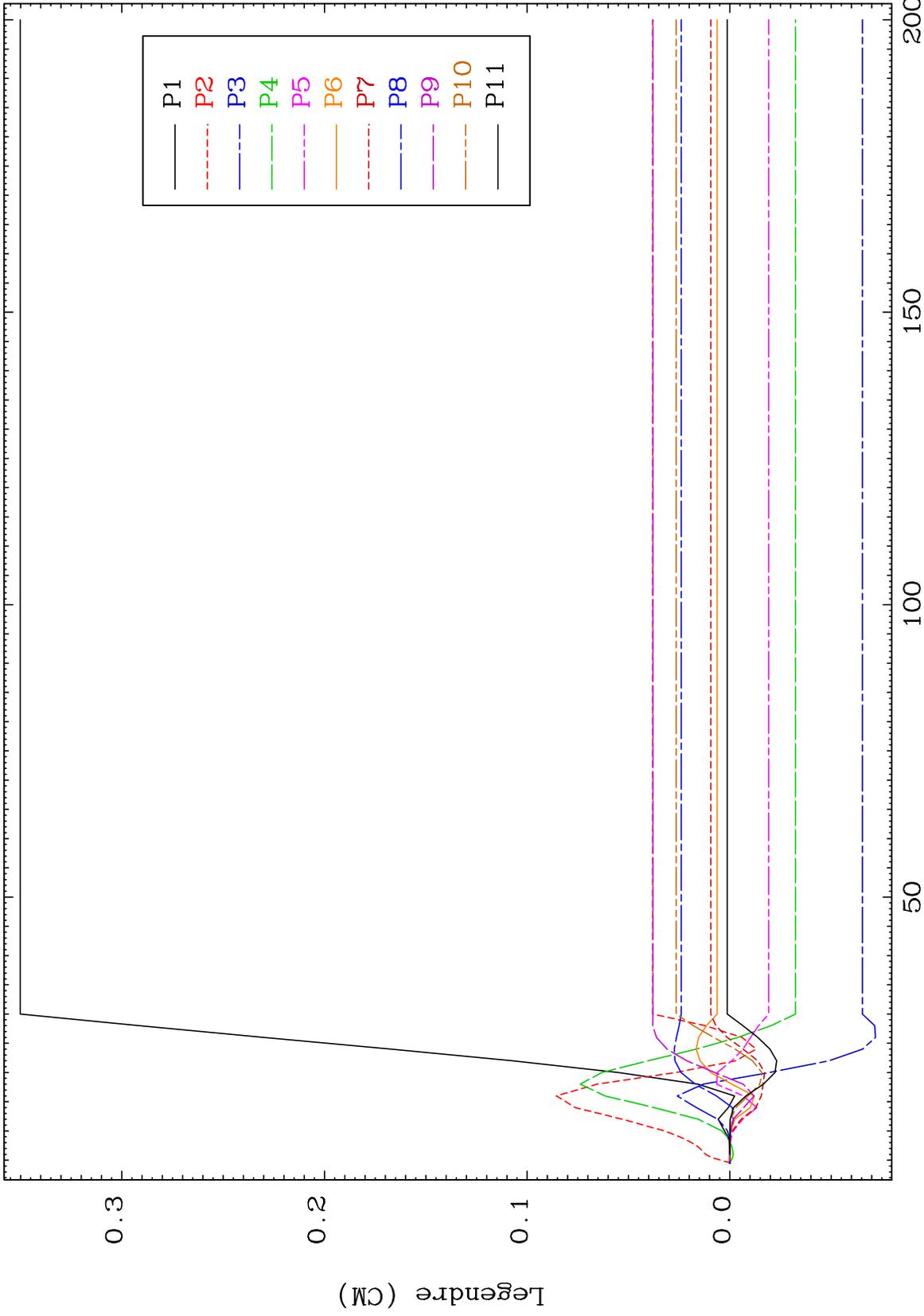
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



78

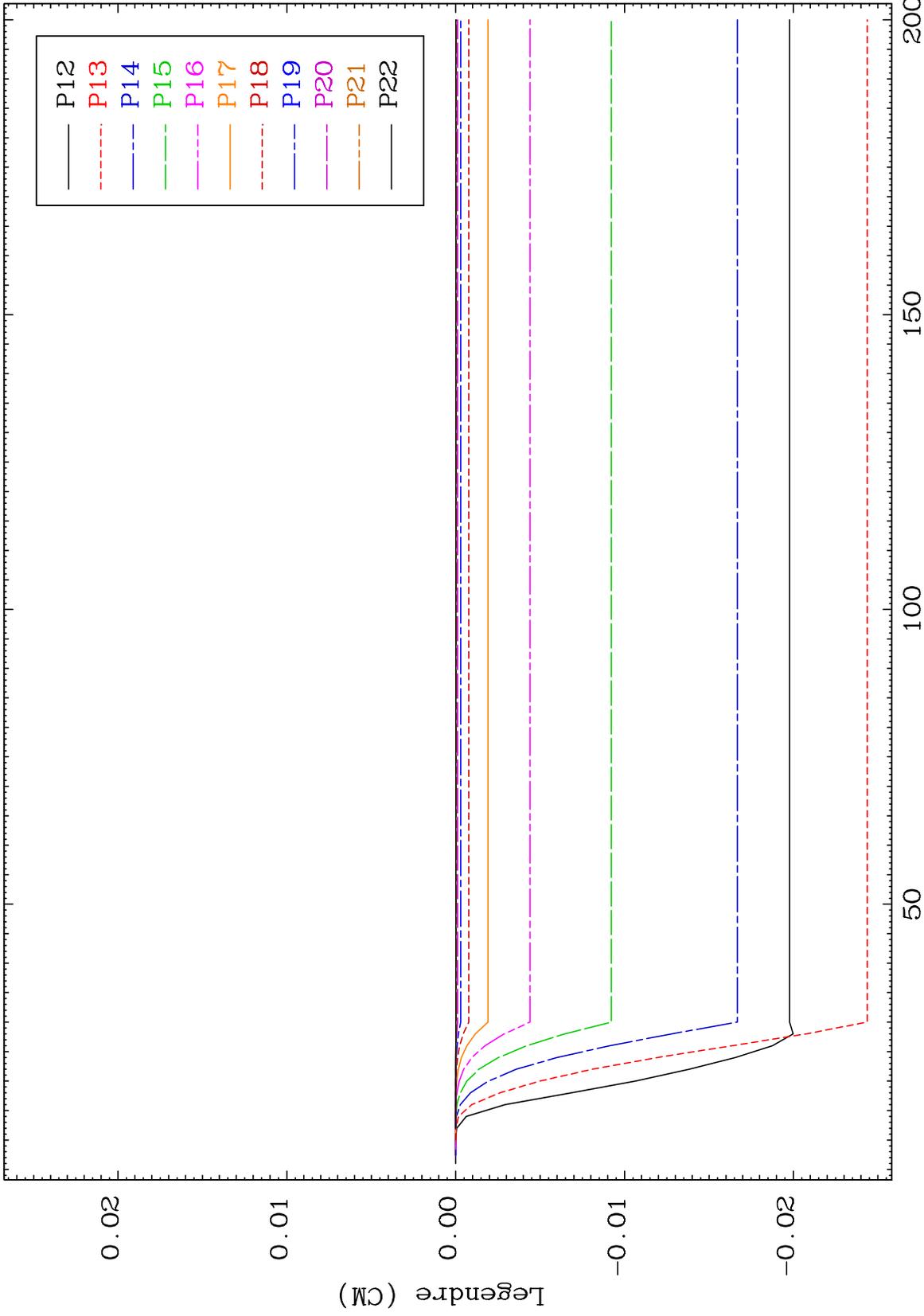
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49

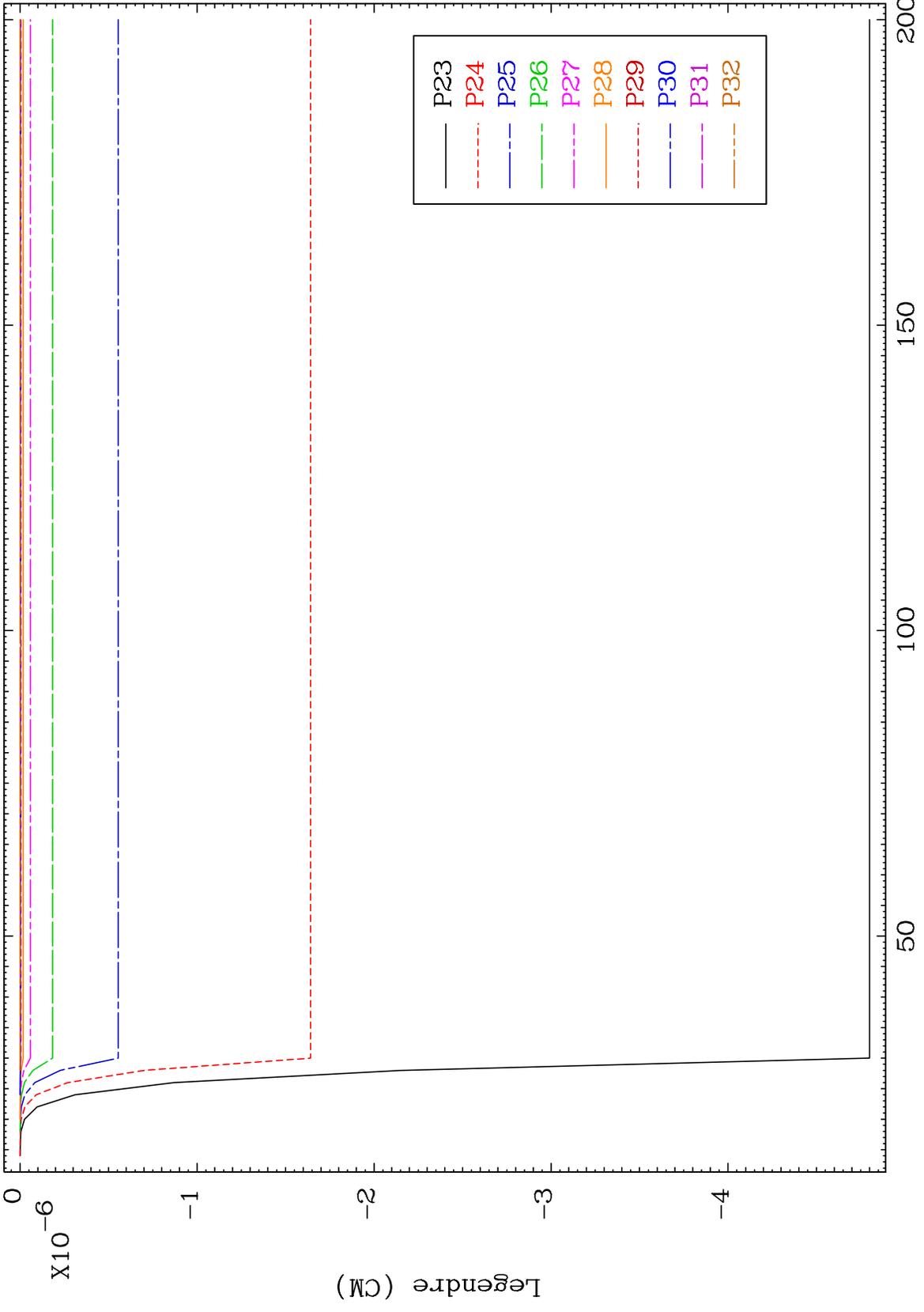


79

Incident Energy (MeV)

21-Sc-49

MAT 2137 MT= 71 (n,n') Level Legendre Coefficients 21-Sc-49

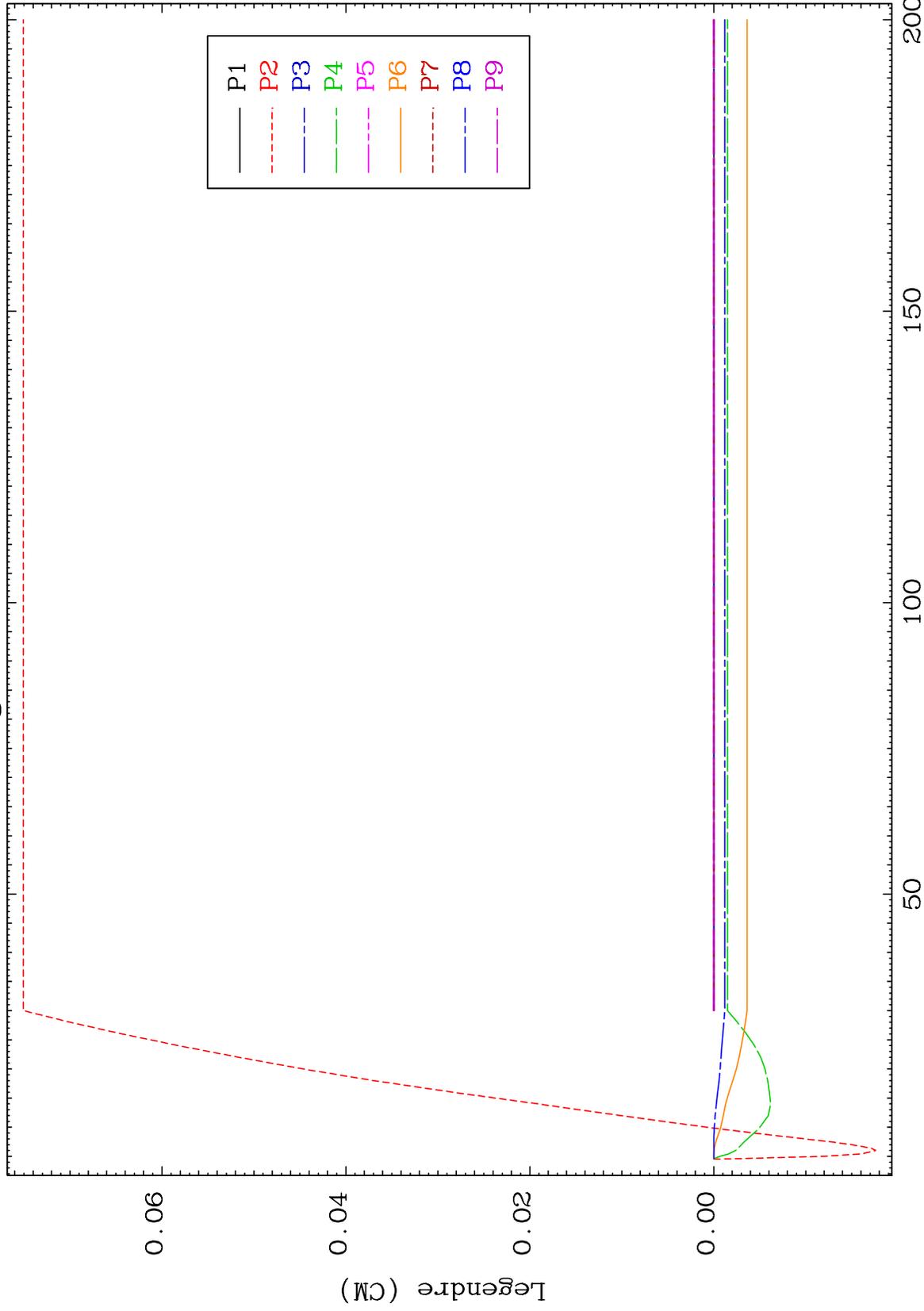


80 50 100 150 200 21-Sc-49

MAT 2137

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

21-Sc-49



81

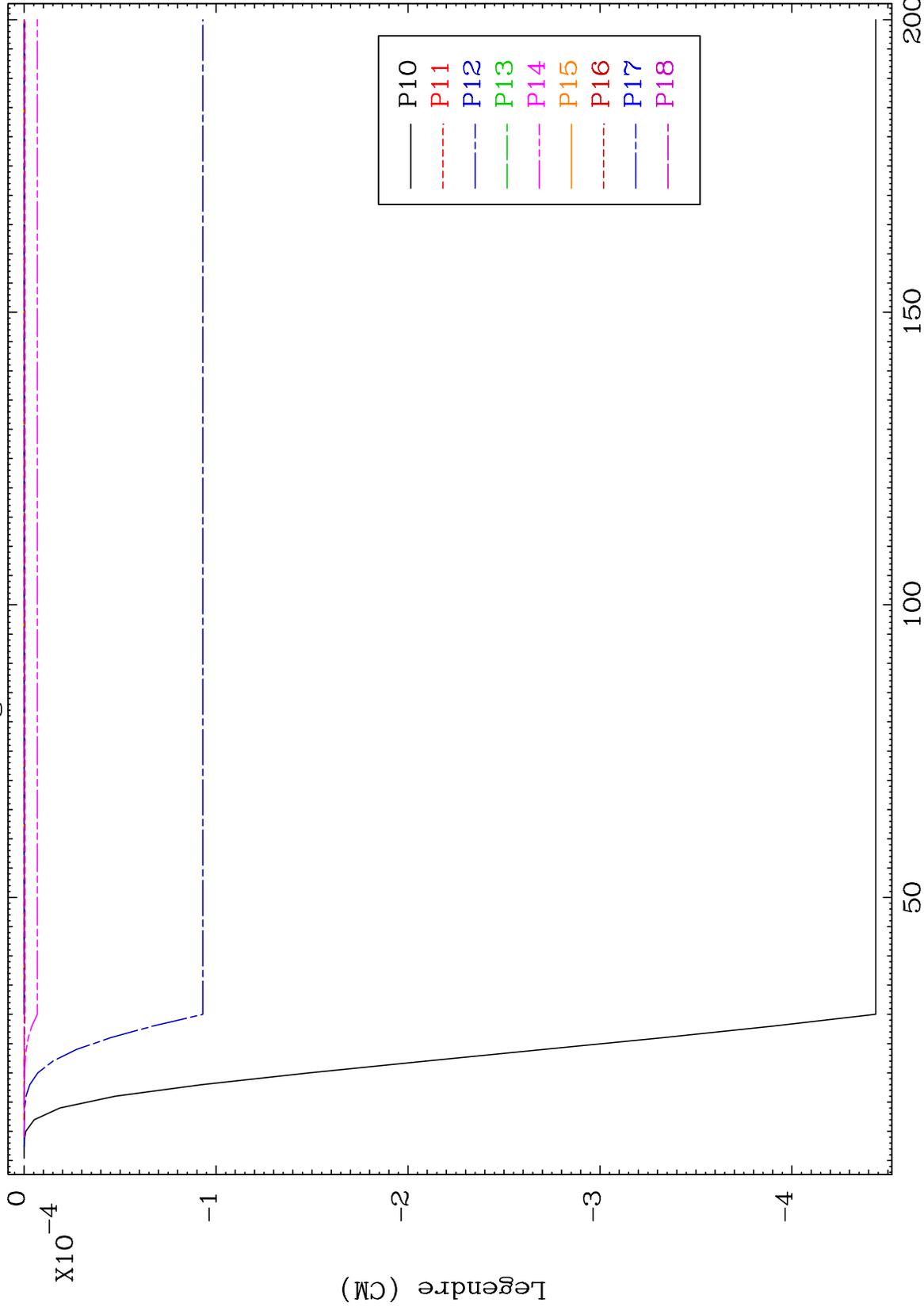
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49

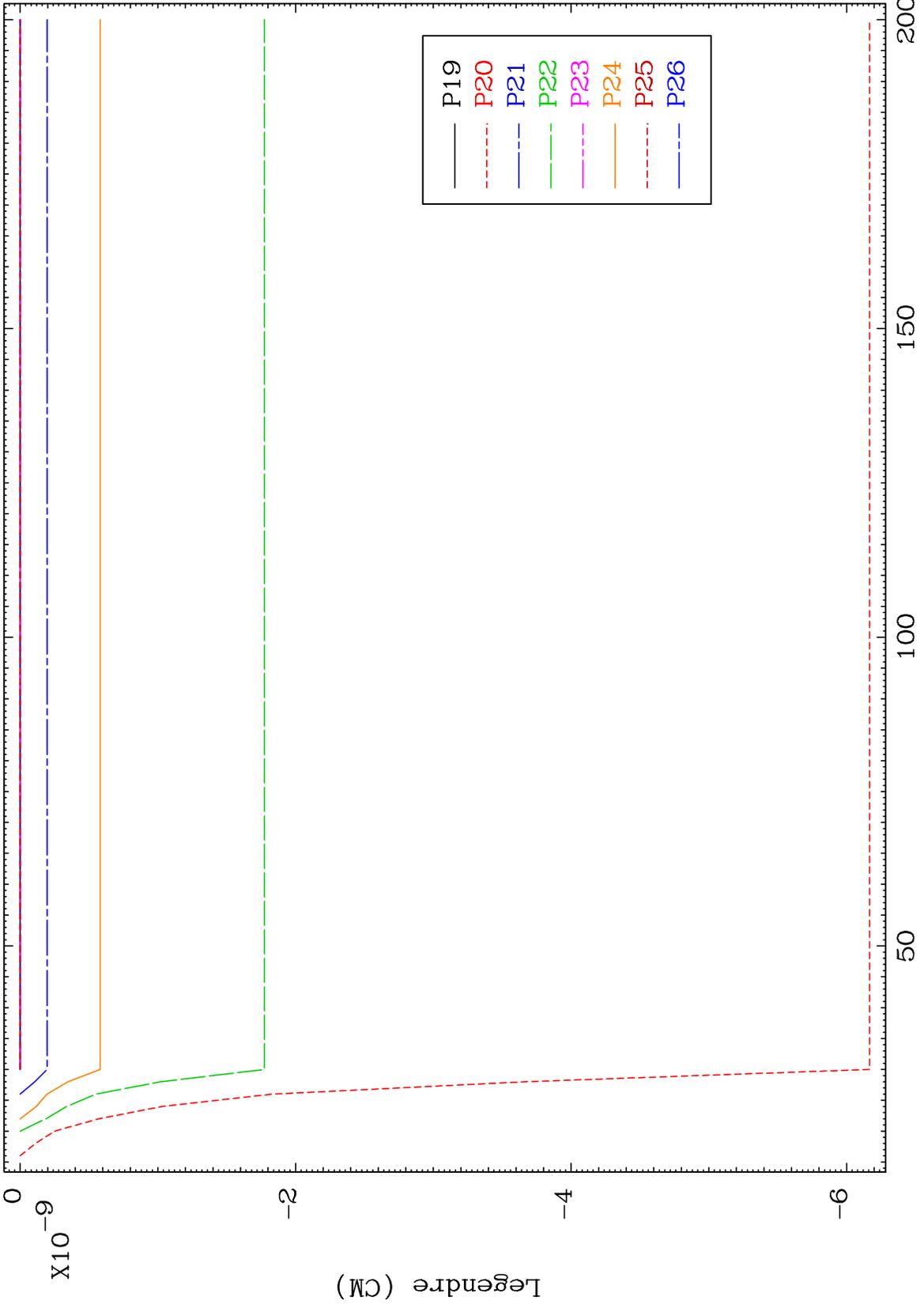


82

Incident Energy (MeV)

21-Sc-49

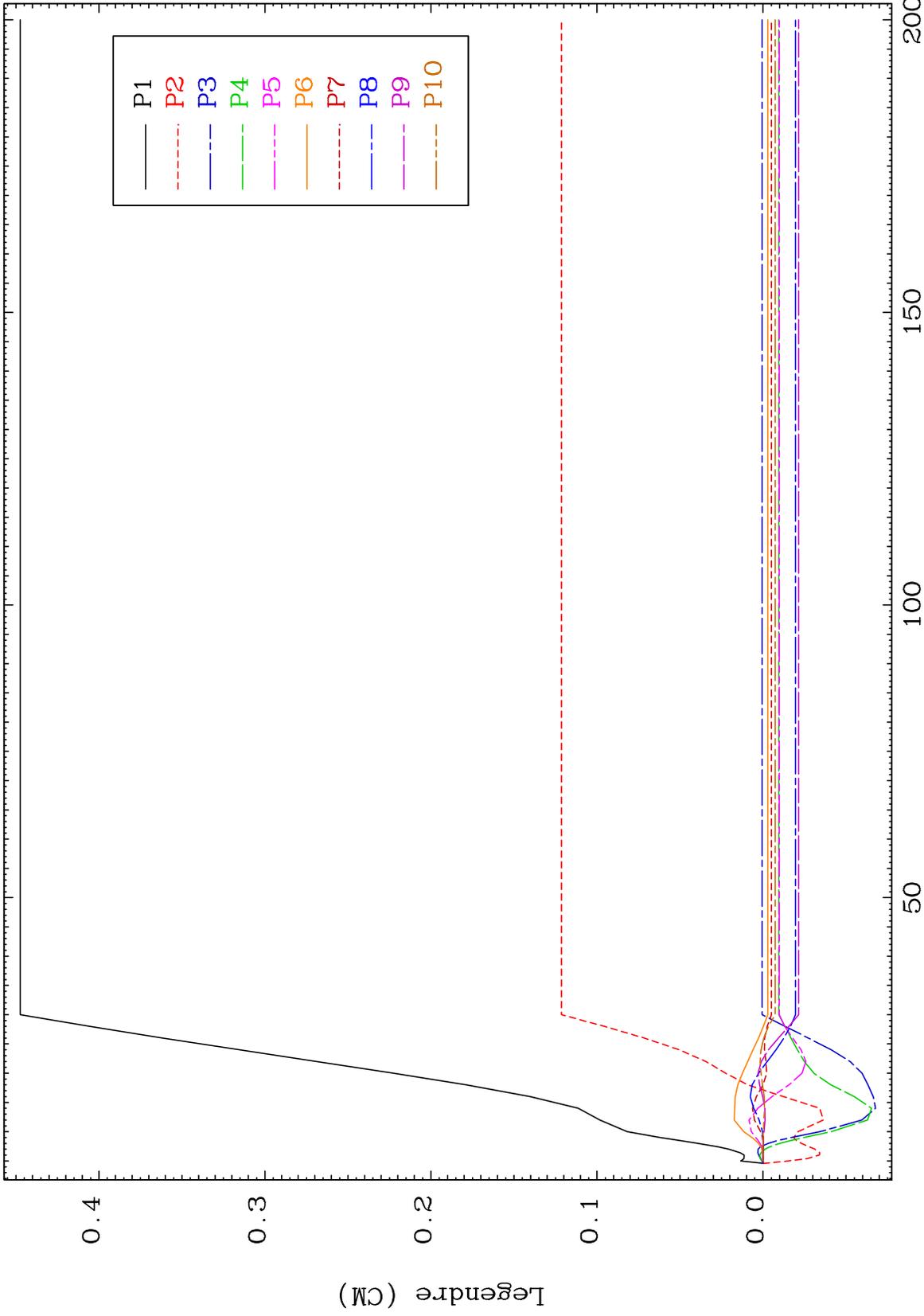
MAT 2137 MT= 72 (n,n') Level Legendre Coefficients 21-Sc-49



MAT 2137

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

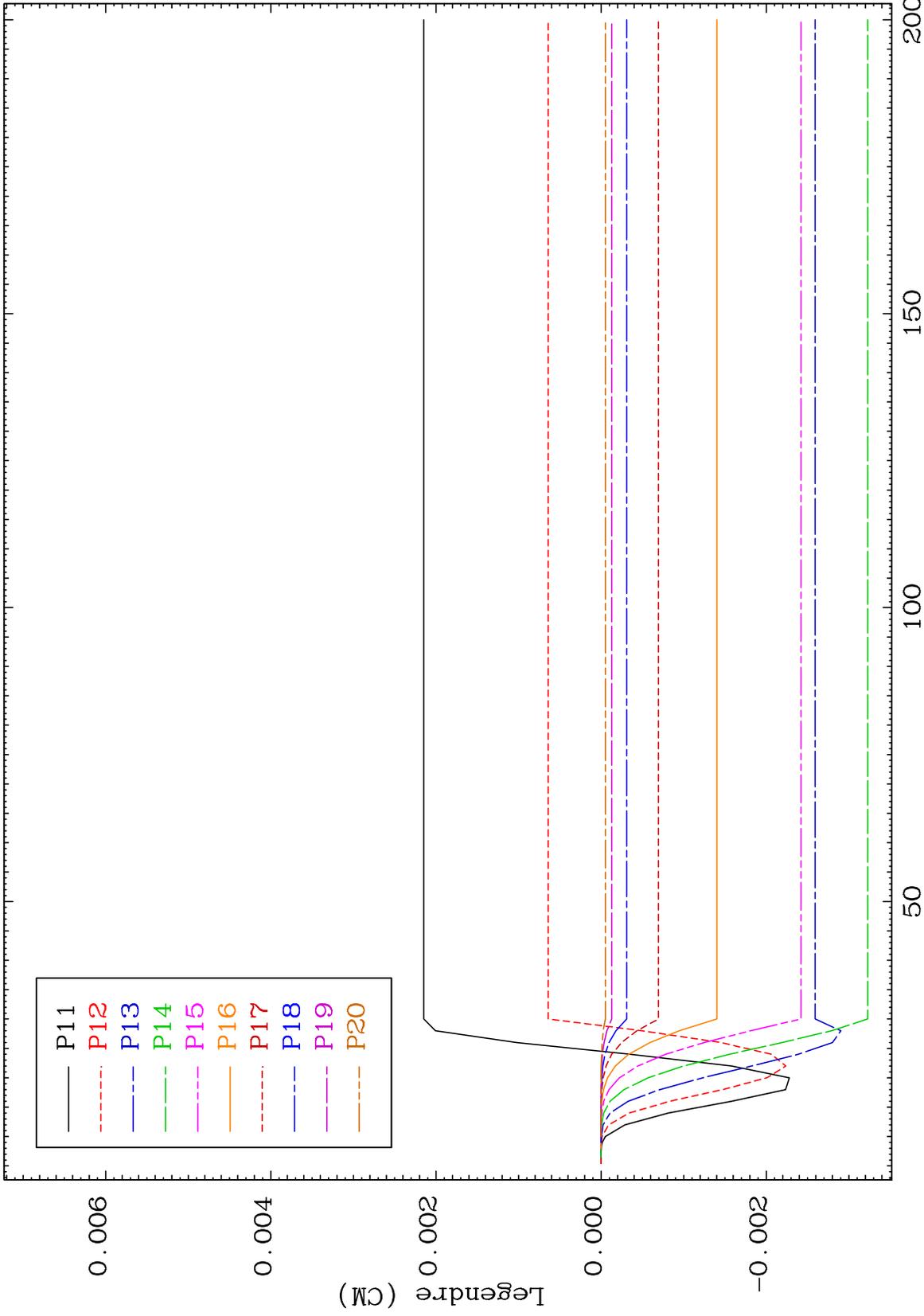
21-Sc-49



84

Incident Energy (MeV)

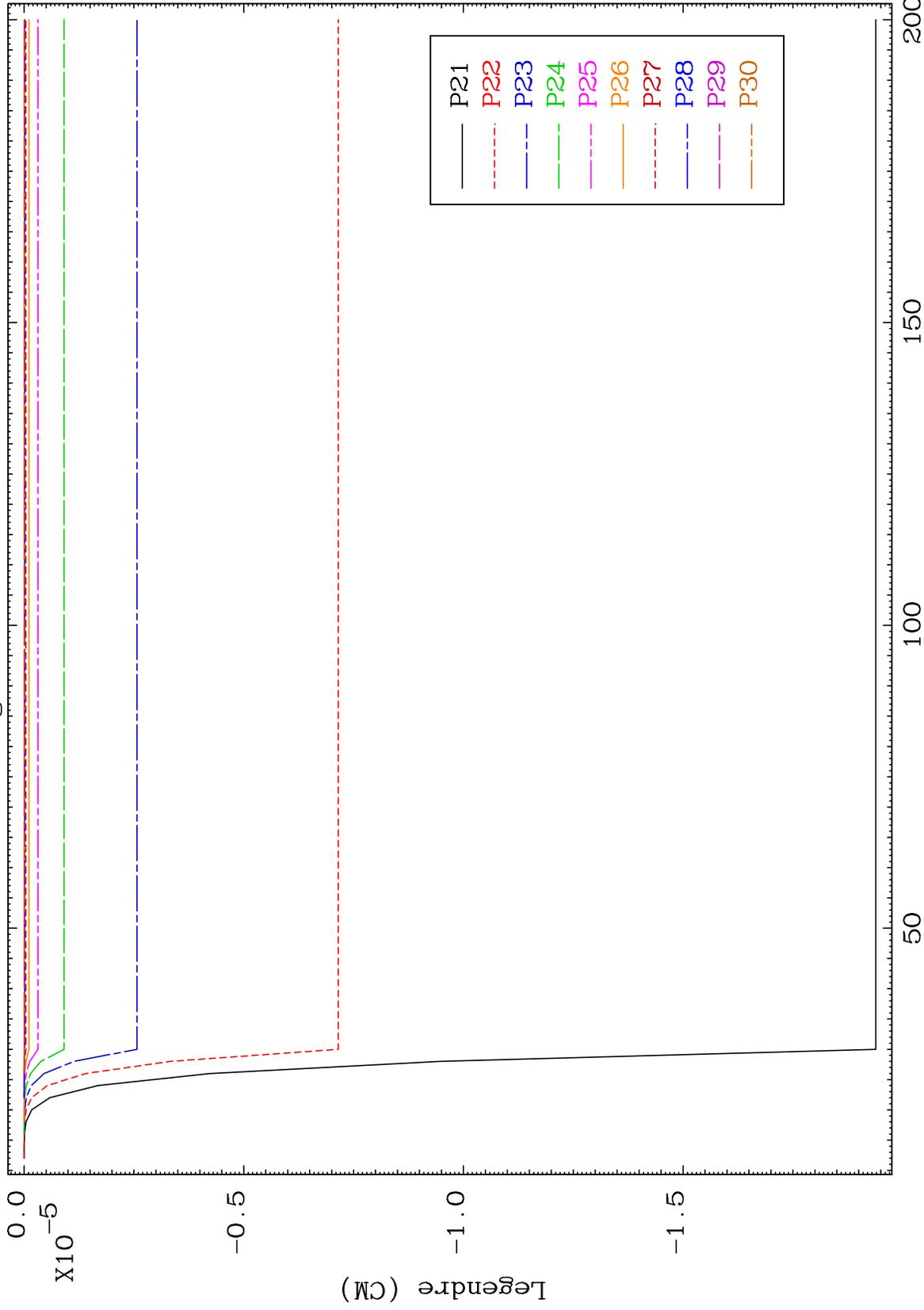
21-Sc-49



MAT 2137

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

21-Sc-49



86

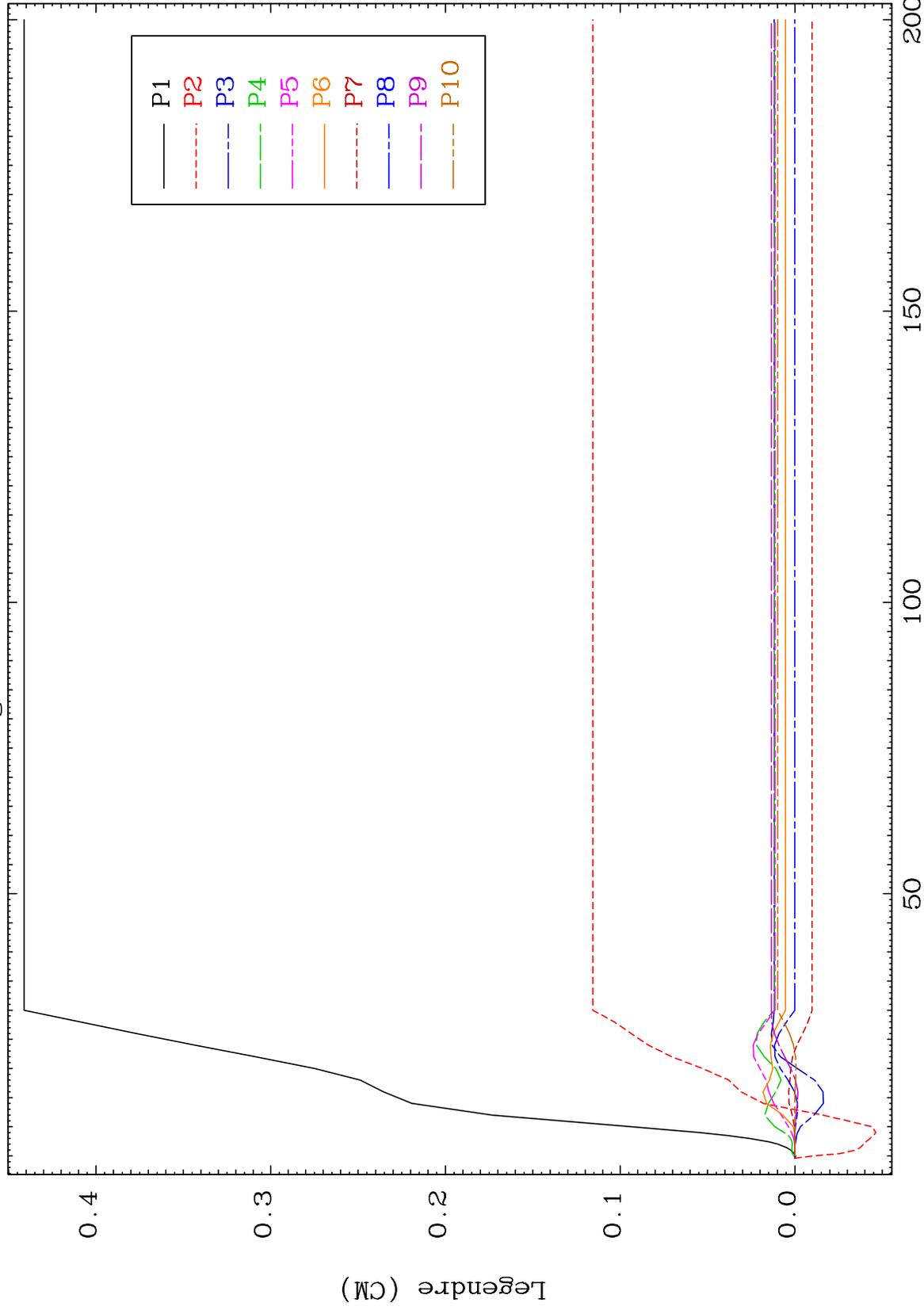
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



87

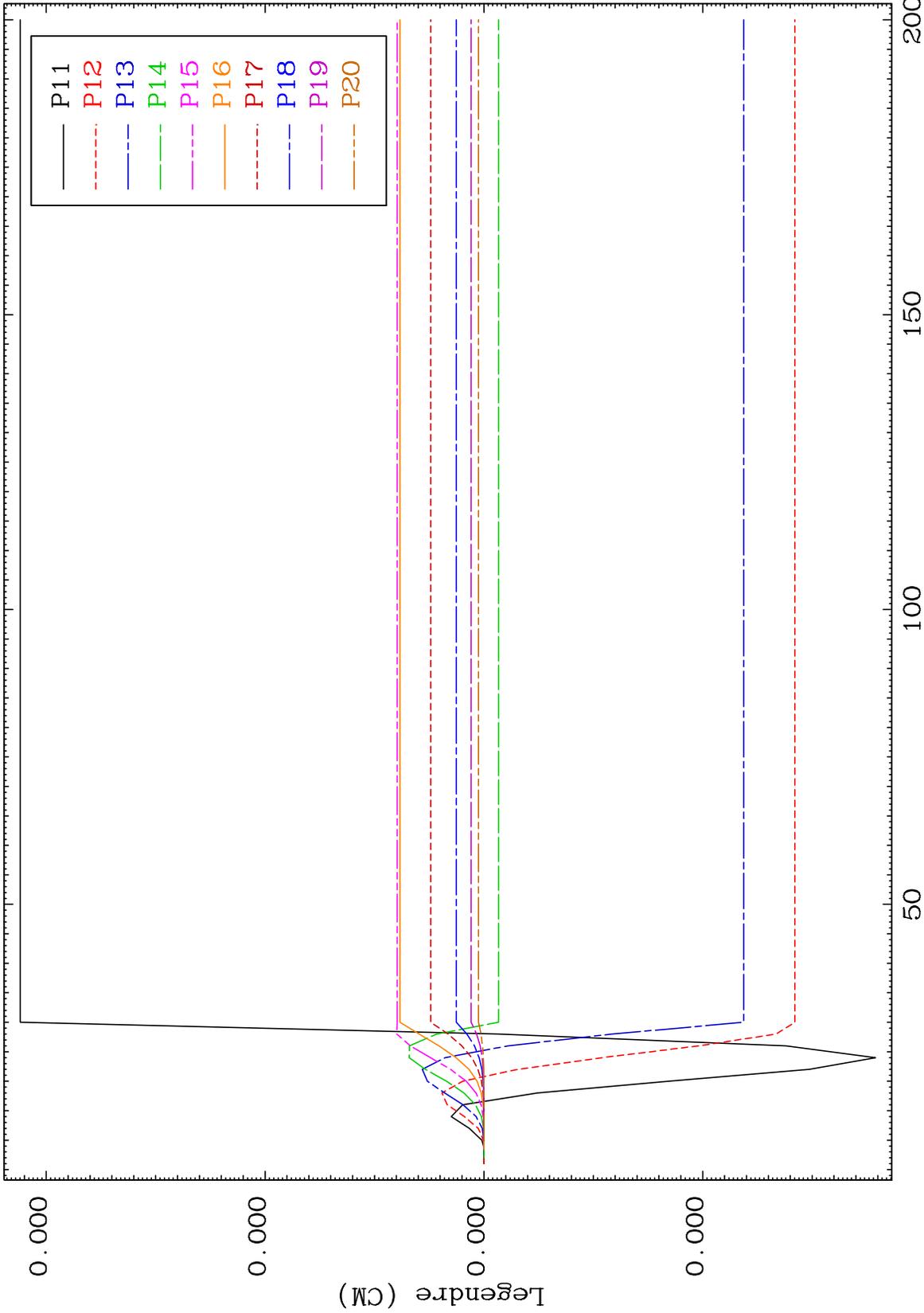
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



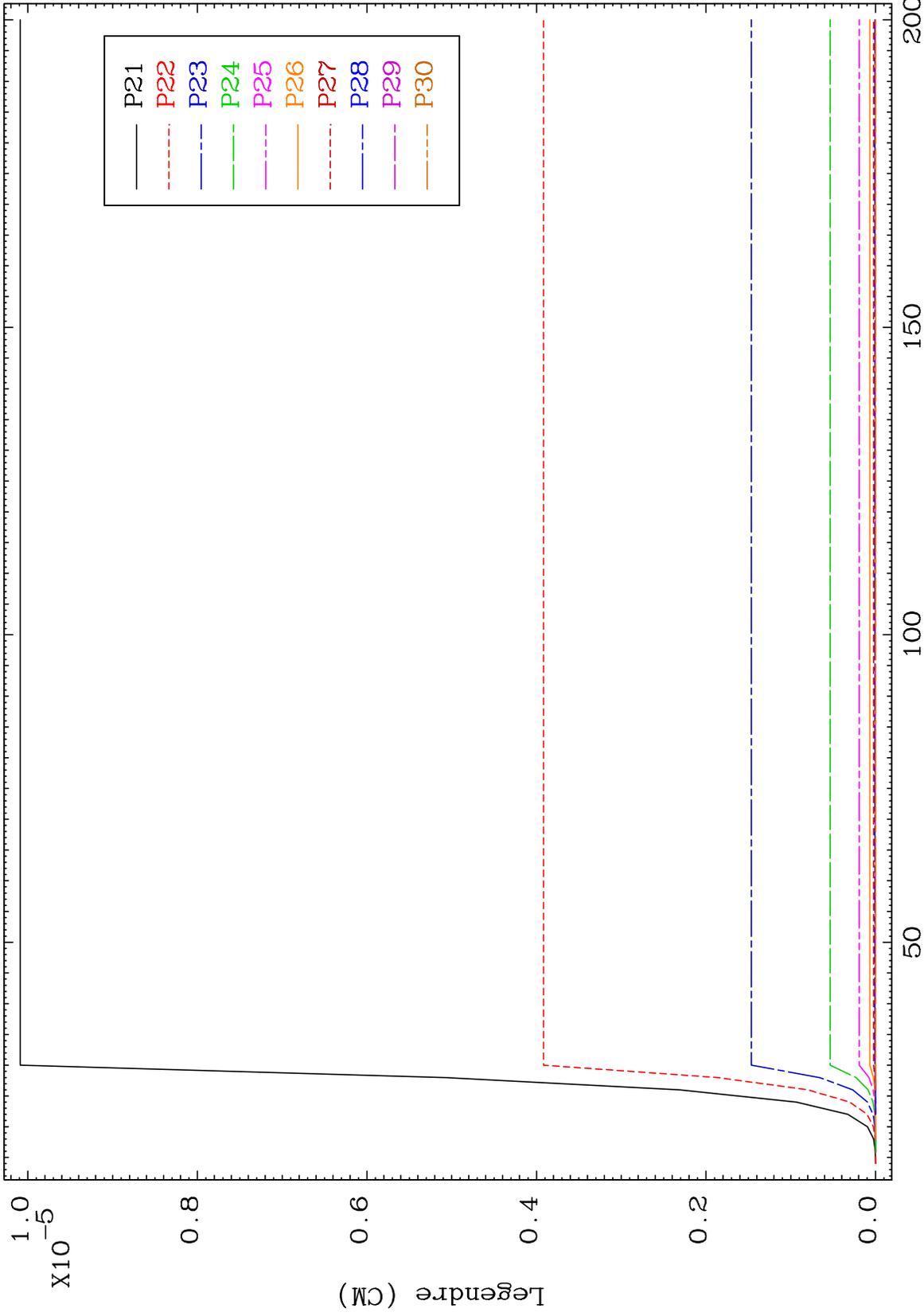
88

21-Sc-49

MAT 2137

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

21-Sc-49



89

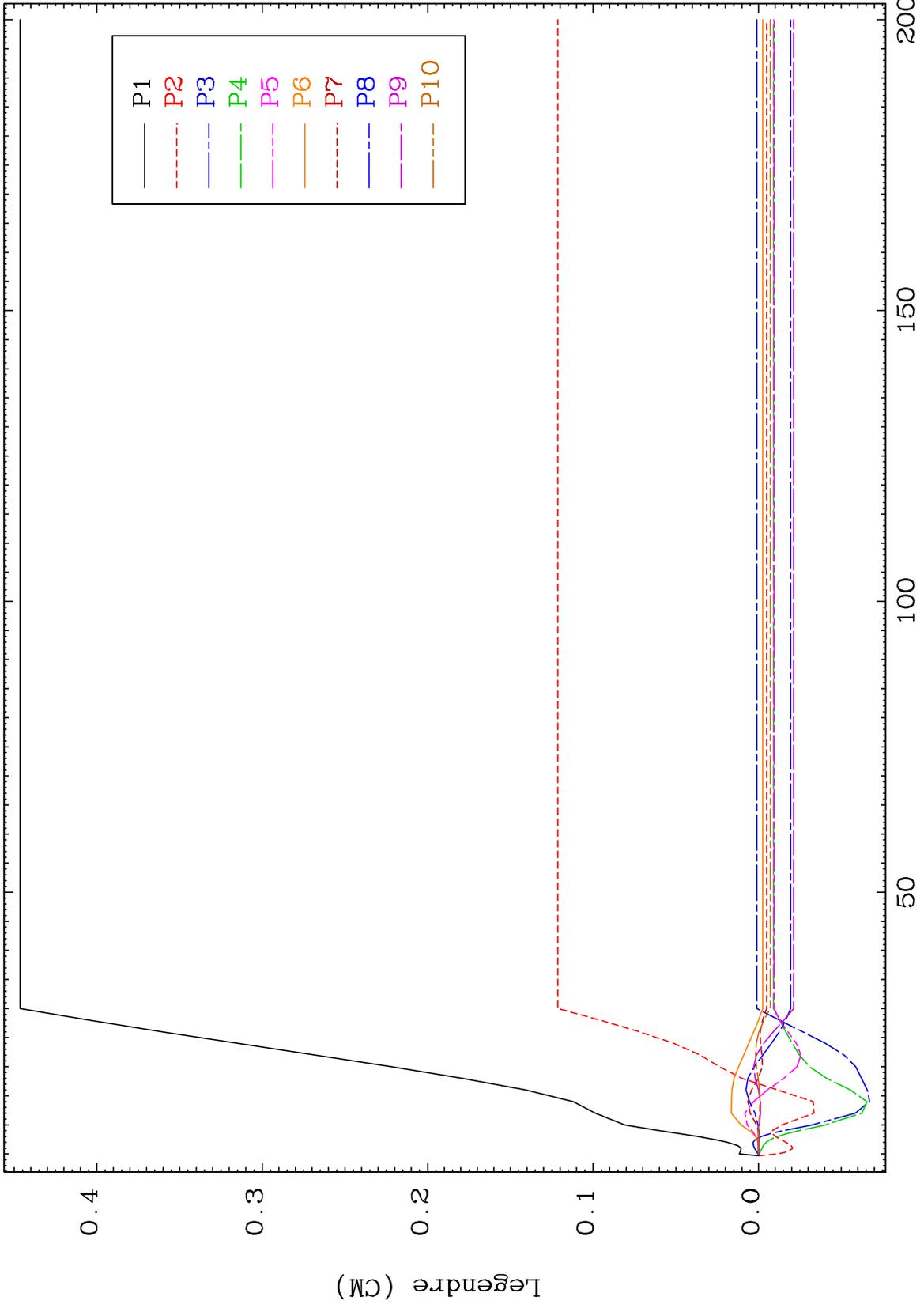
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



90

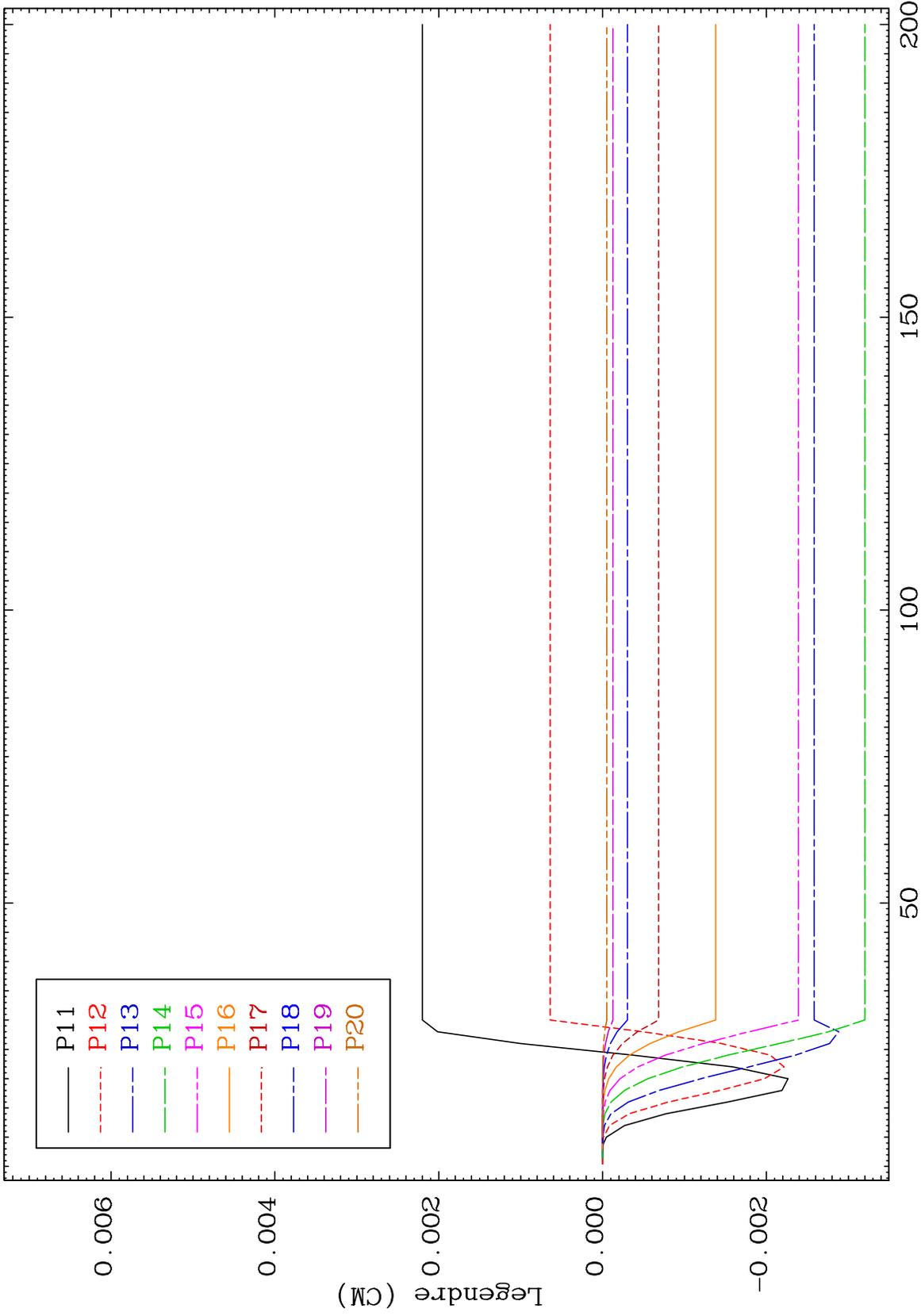
Incident Energy (MeV)

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MAT 2137

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

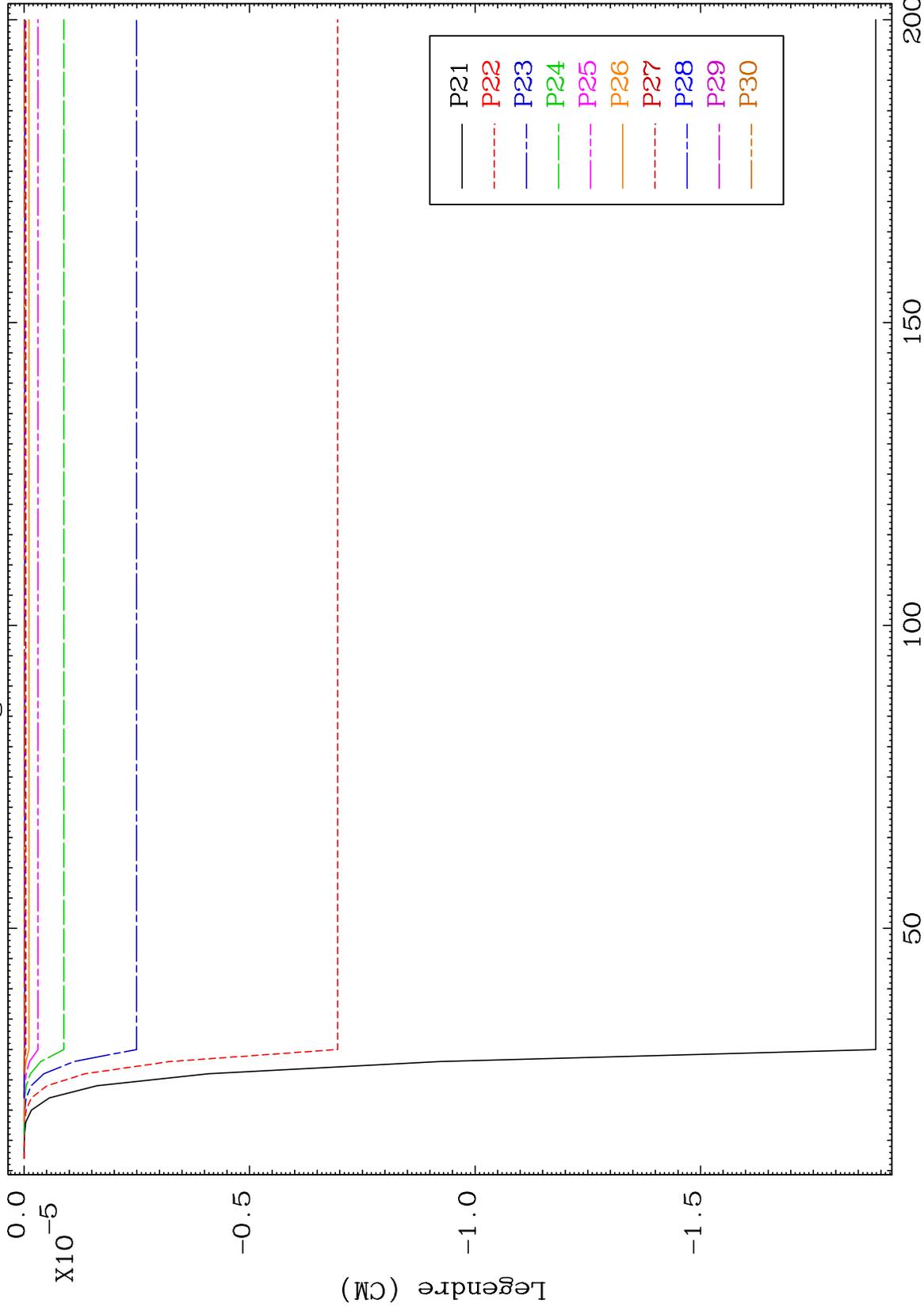
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MAT 2137

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

21-Sc-49



21-Sc-49

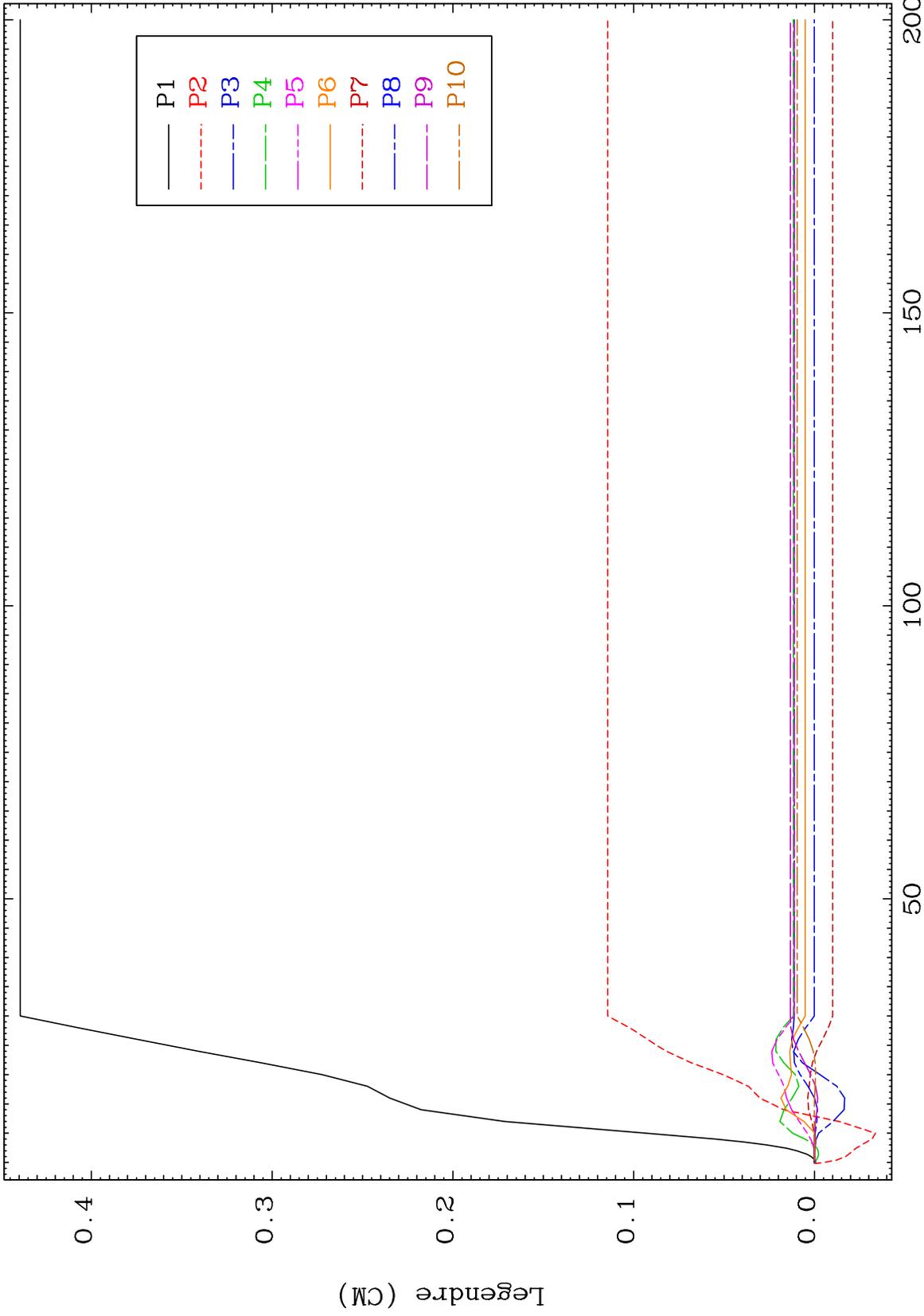
Incident Energy (MeV)

92

MAT 2137

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

21-Sc-49



93

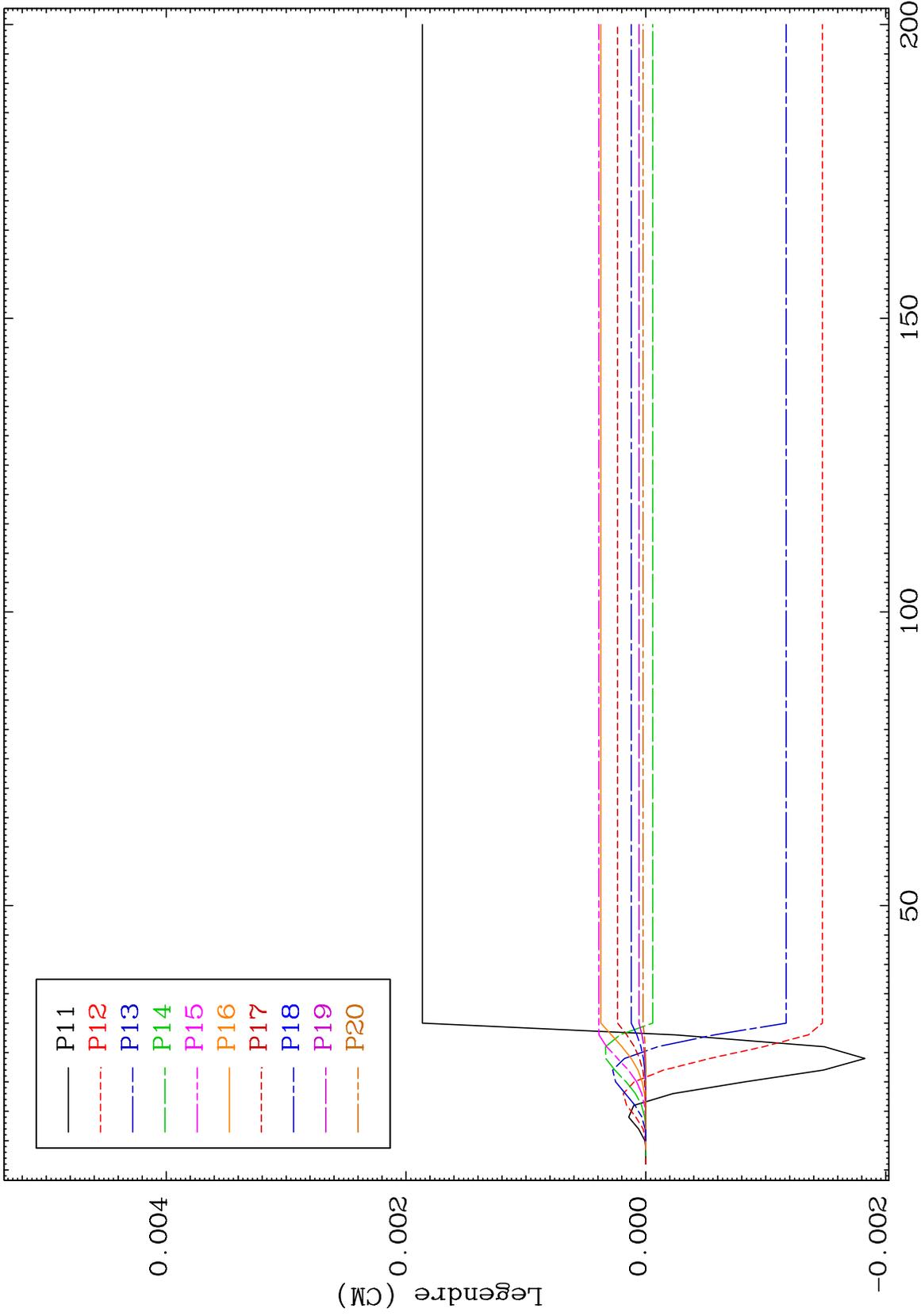
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



94

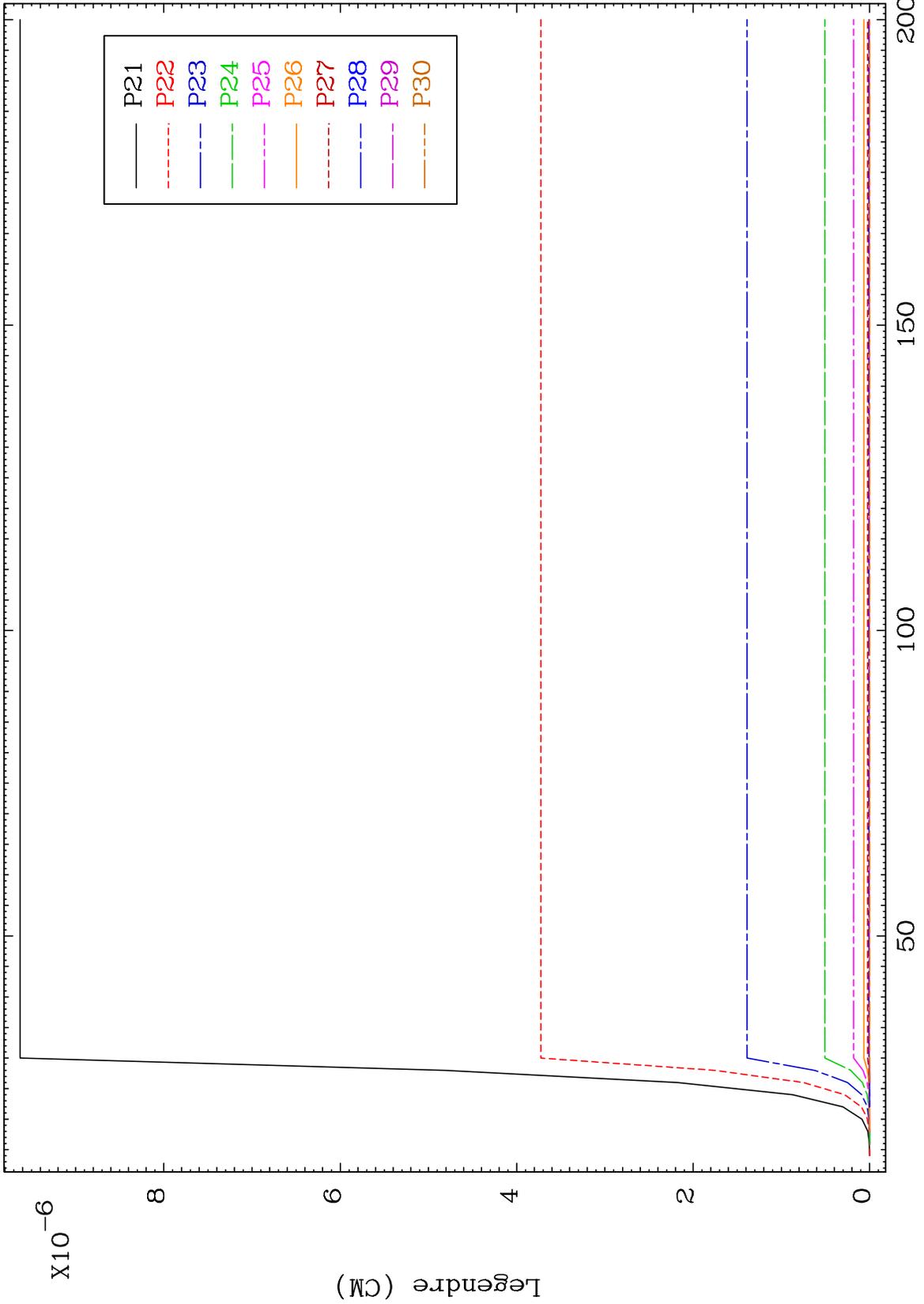
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



95

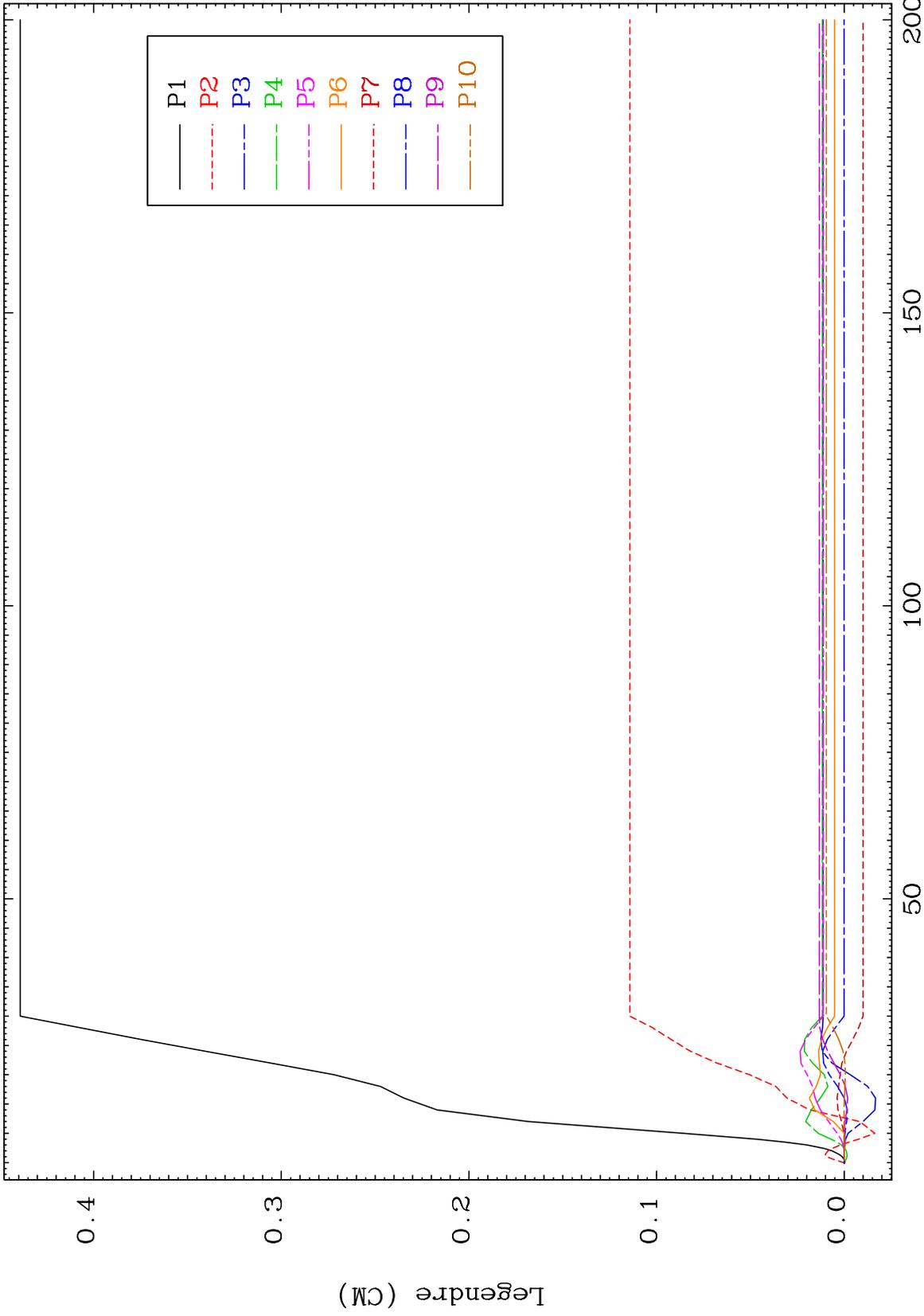
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



96

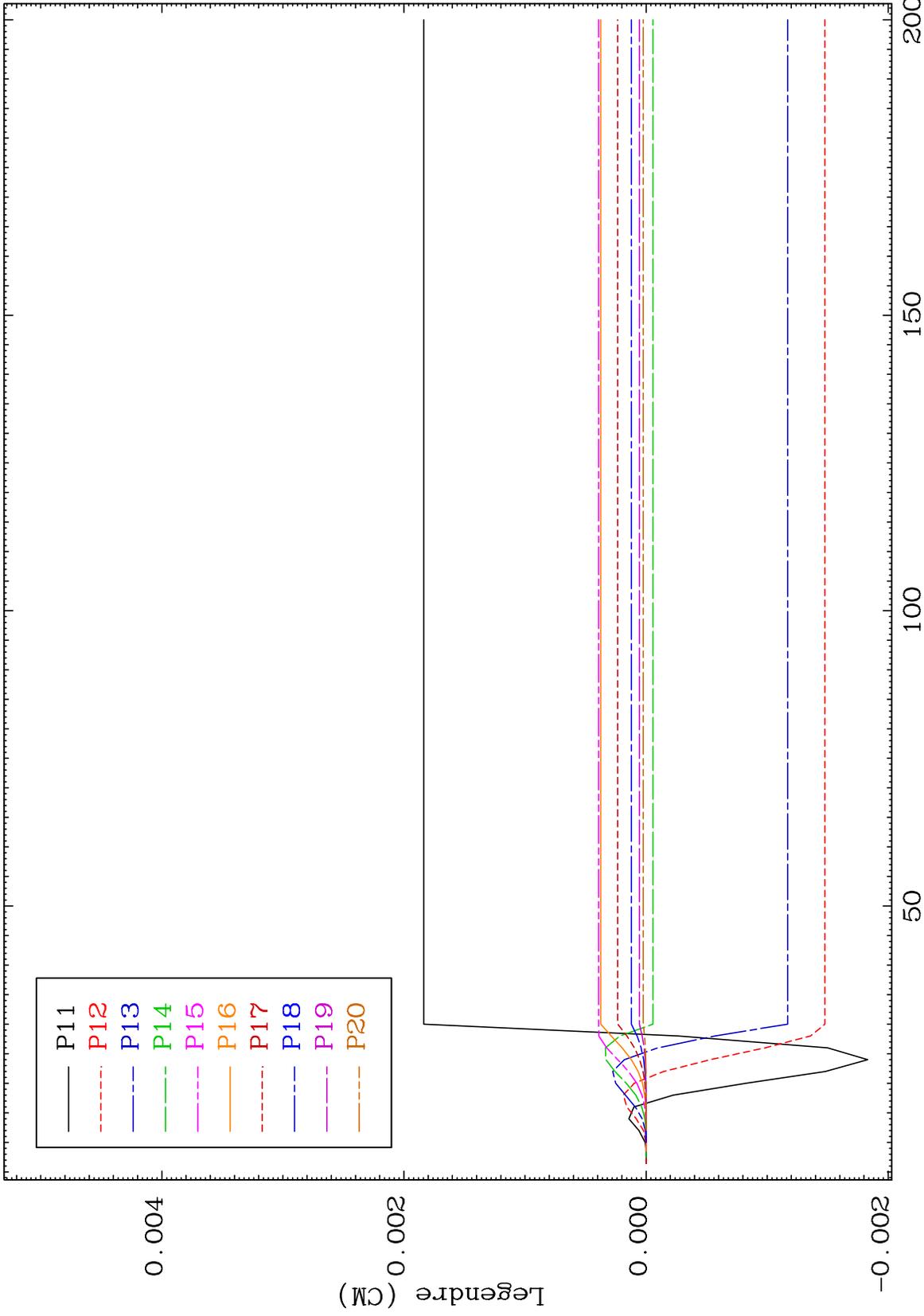
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

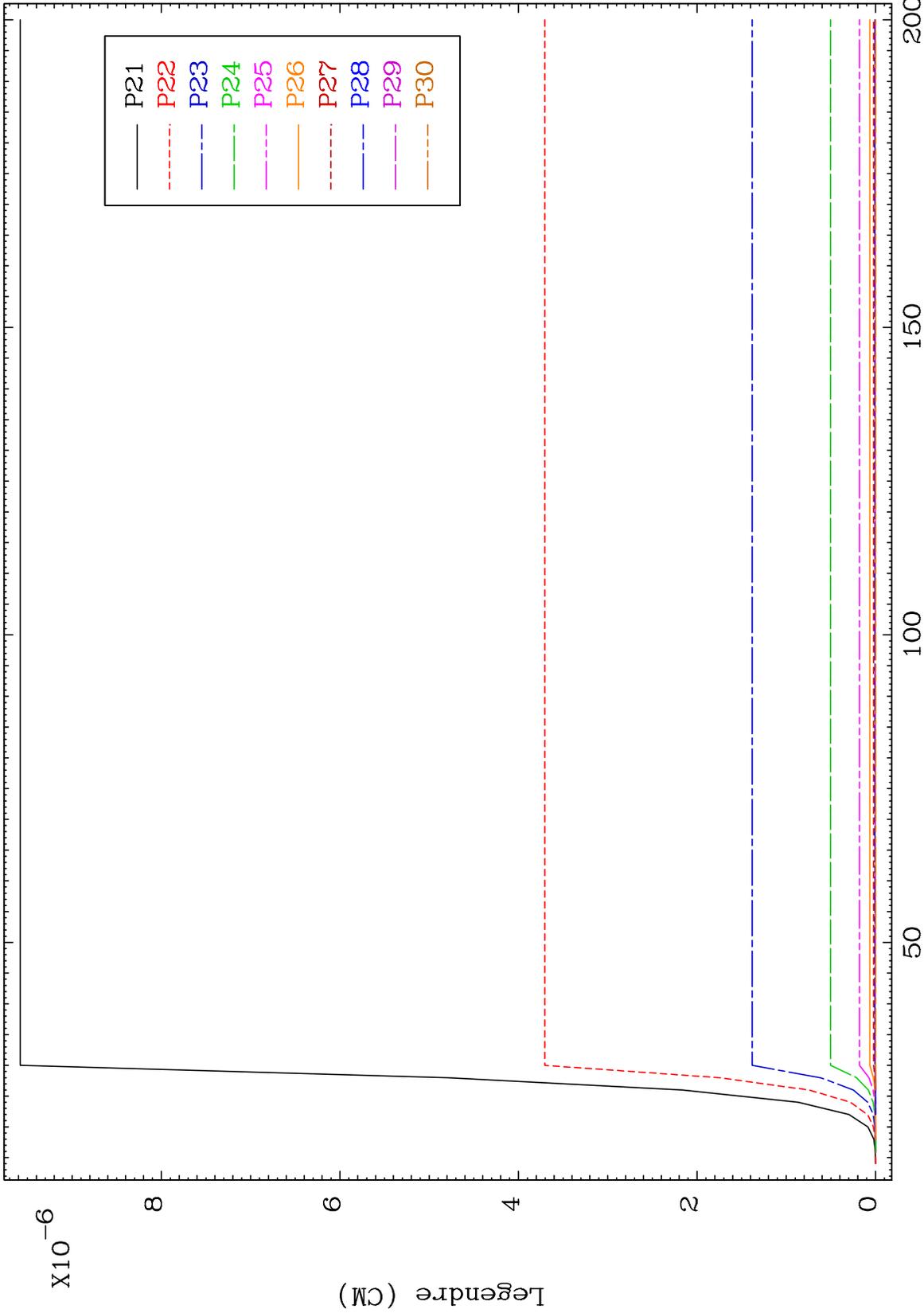
21-Sc-49



MAT 2137

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

21-Sc-49



98

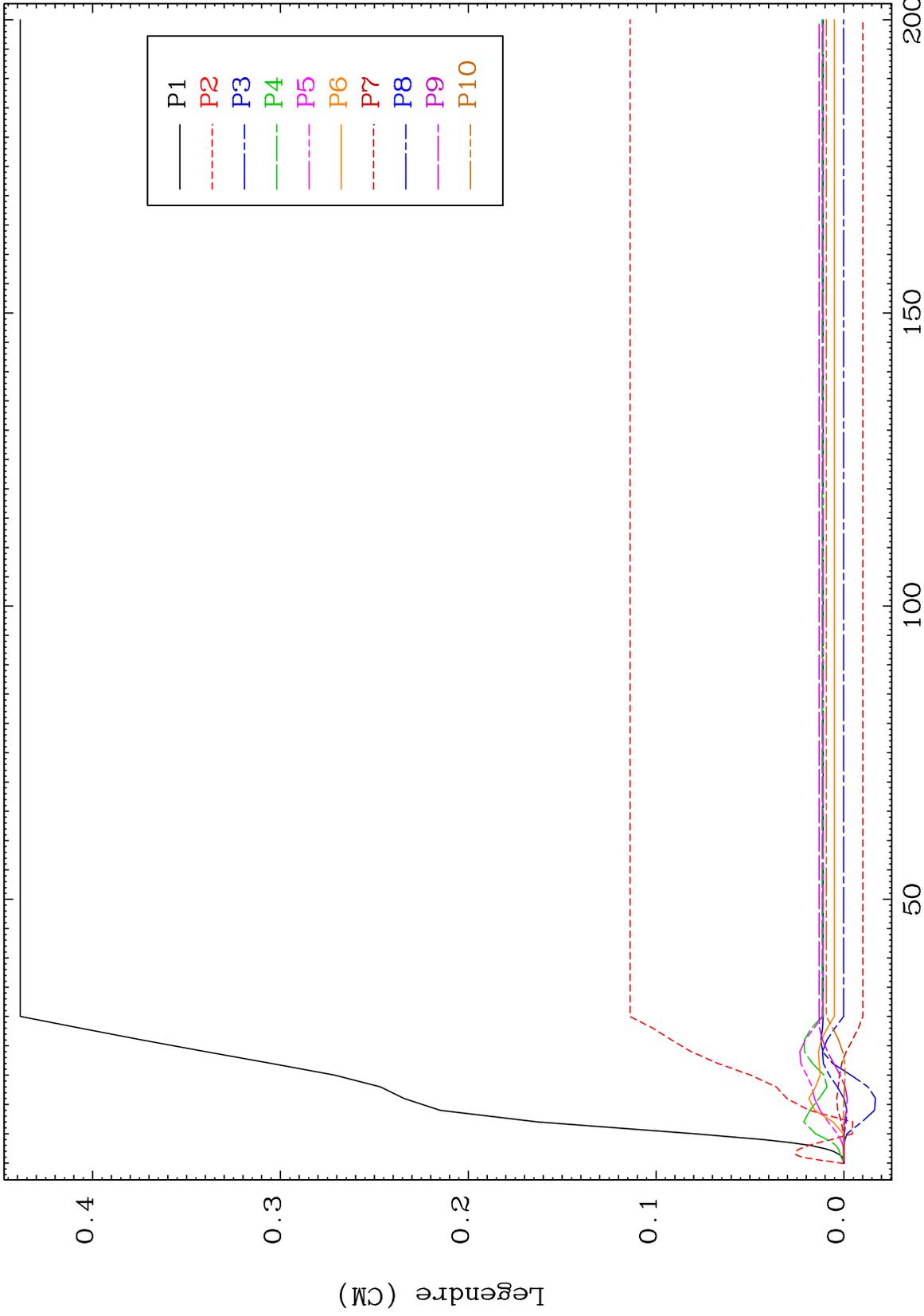
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



99

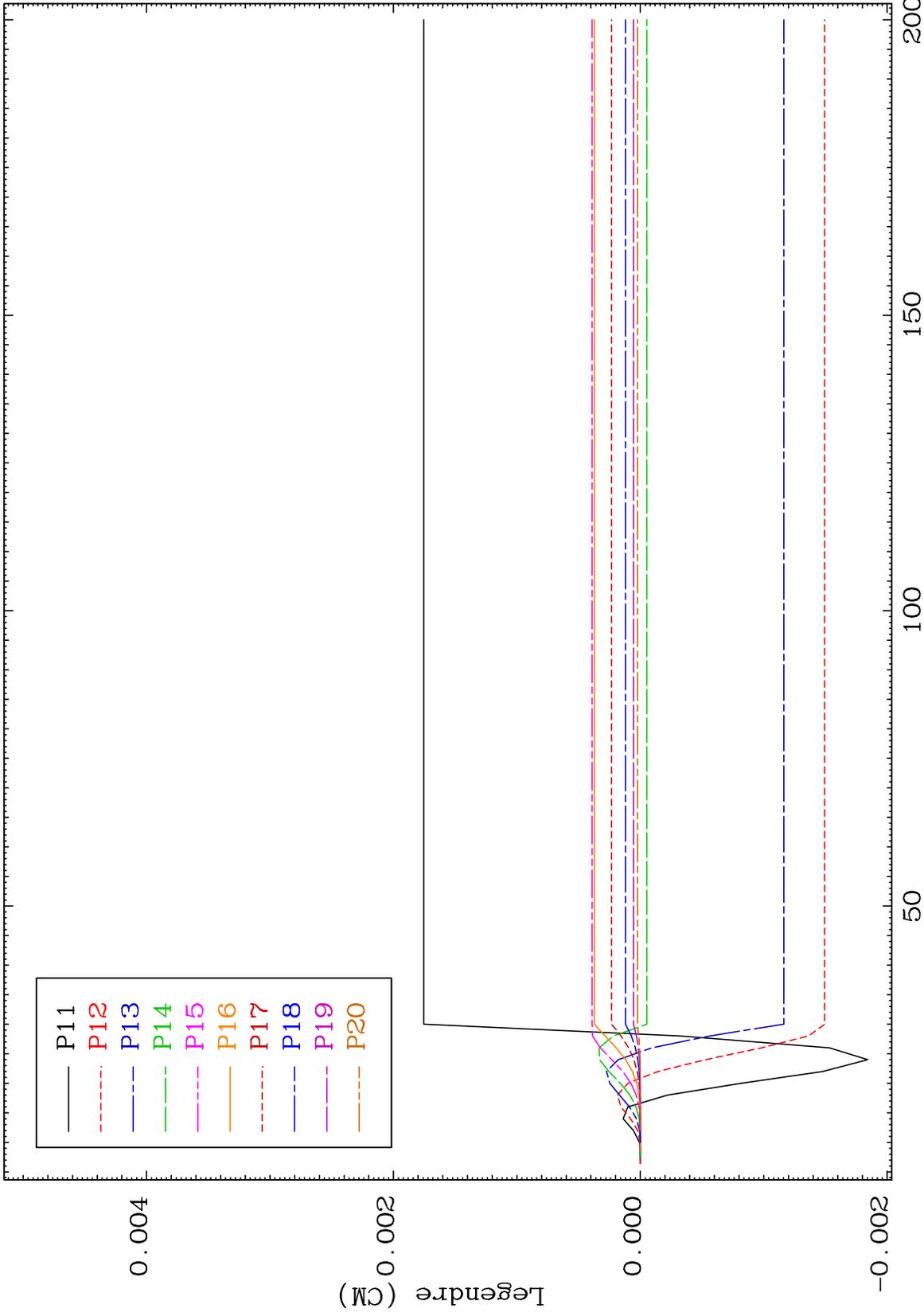
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



100

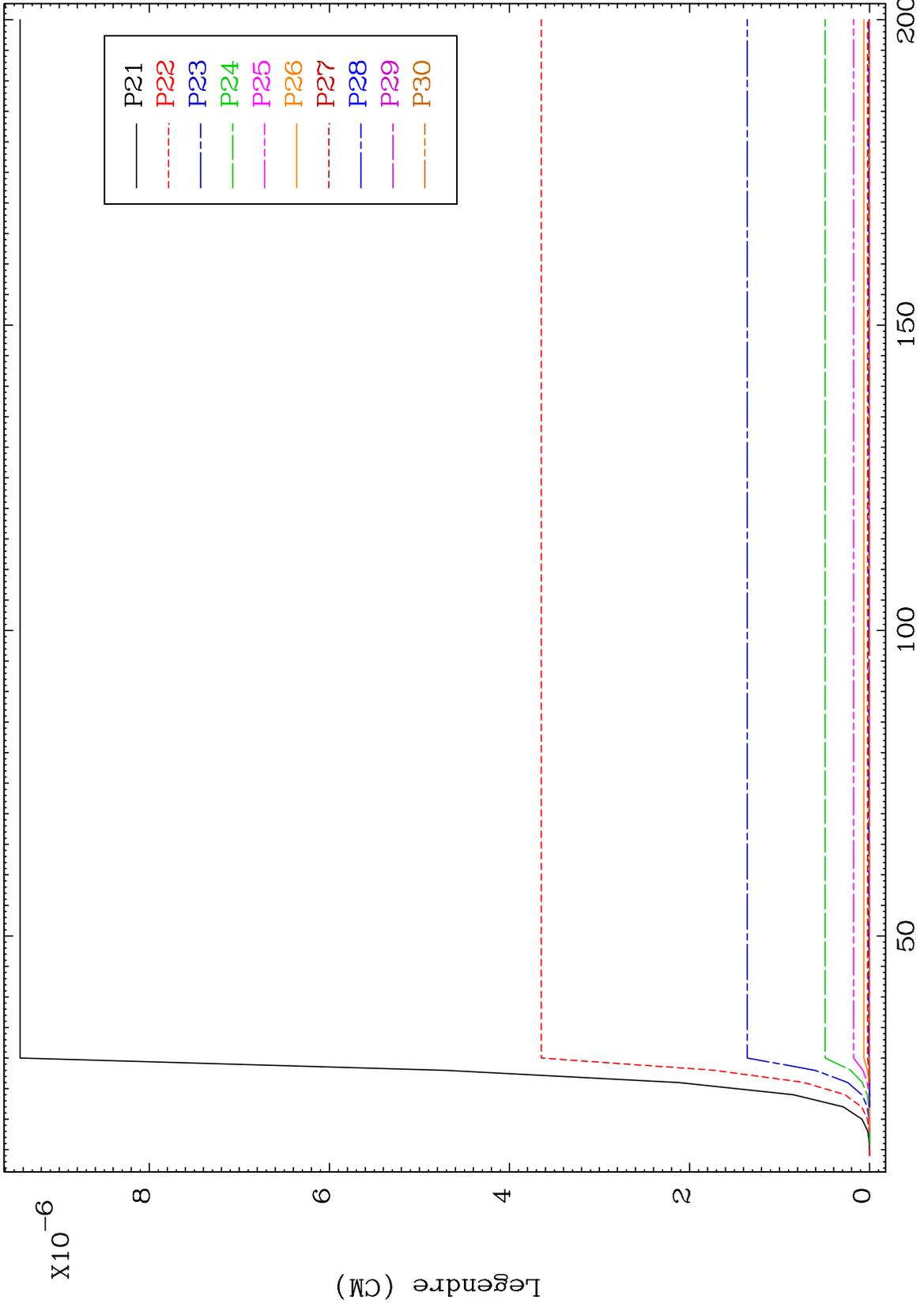
Incident Energy (MeV)

21-Sc-49

MAT 2137

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

21-Sc-49



101

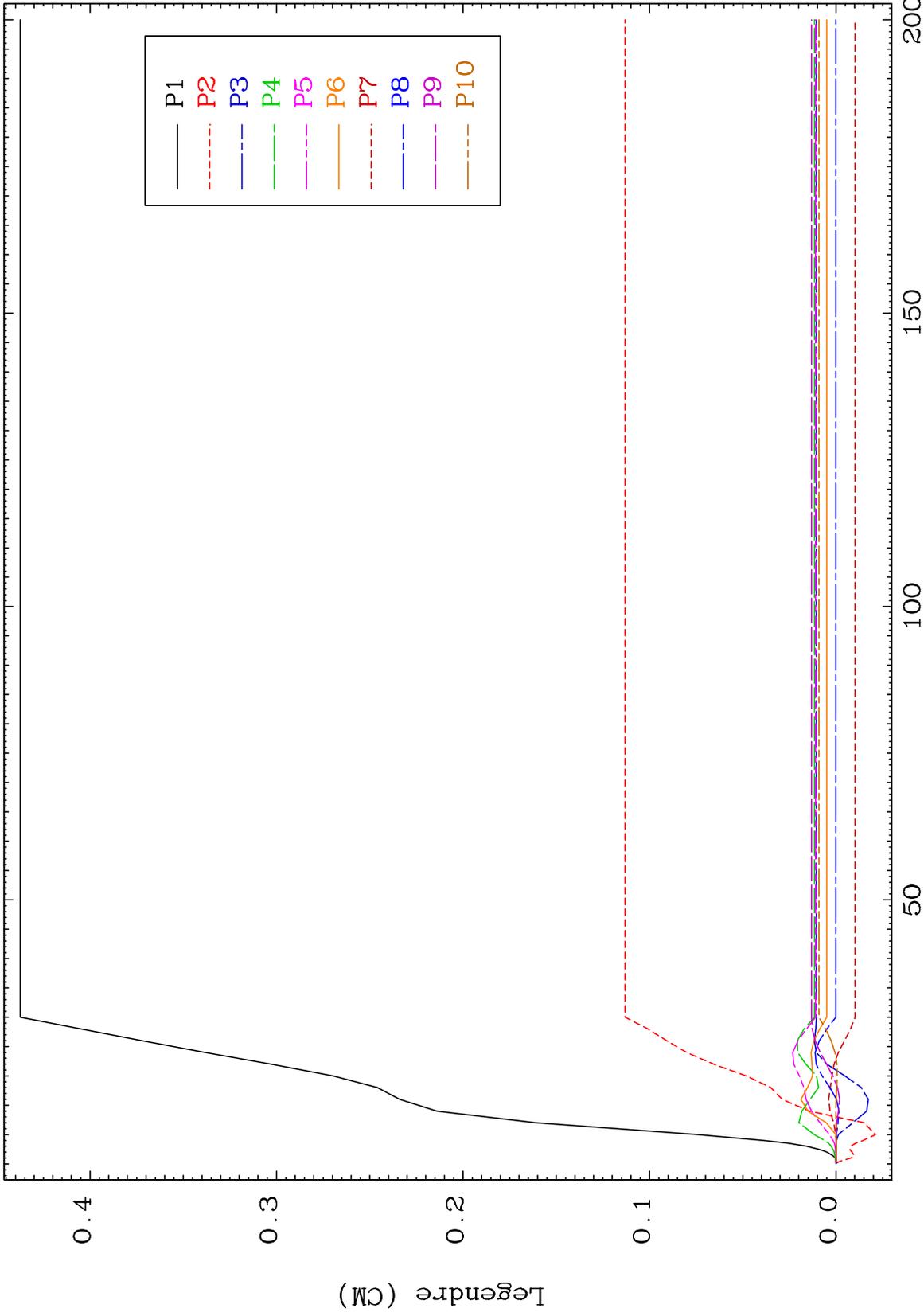
Incident Energy (MeV)

21-Sc-49

MAT 2137

MT= 79 (n,n') Level  
Legendre Coefficients

21-Sc-49



102

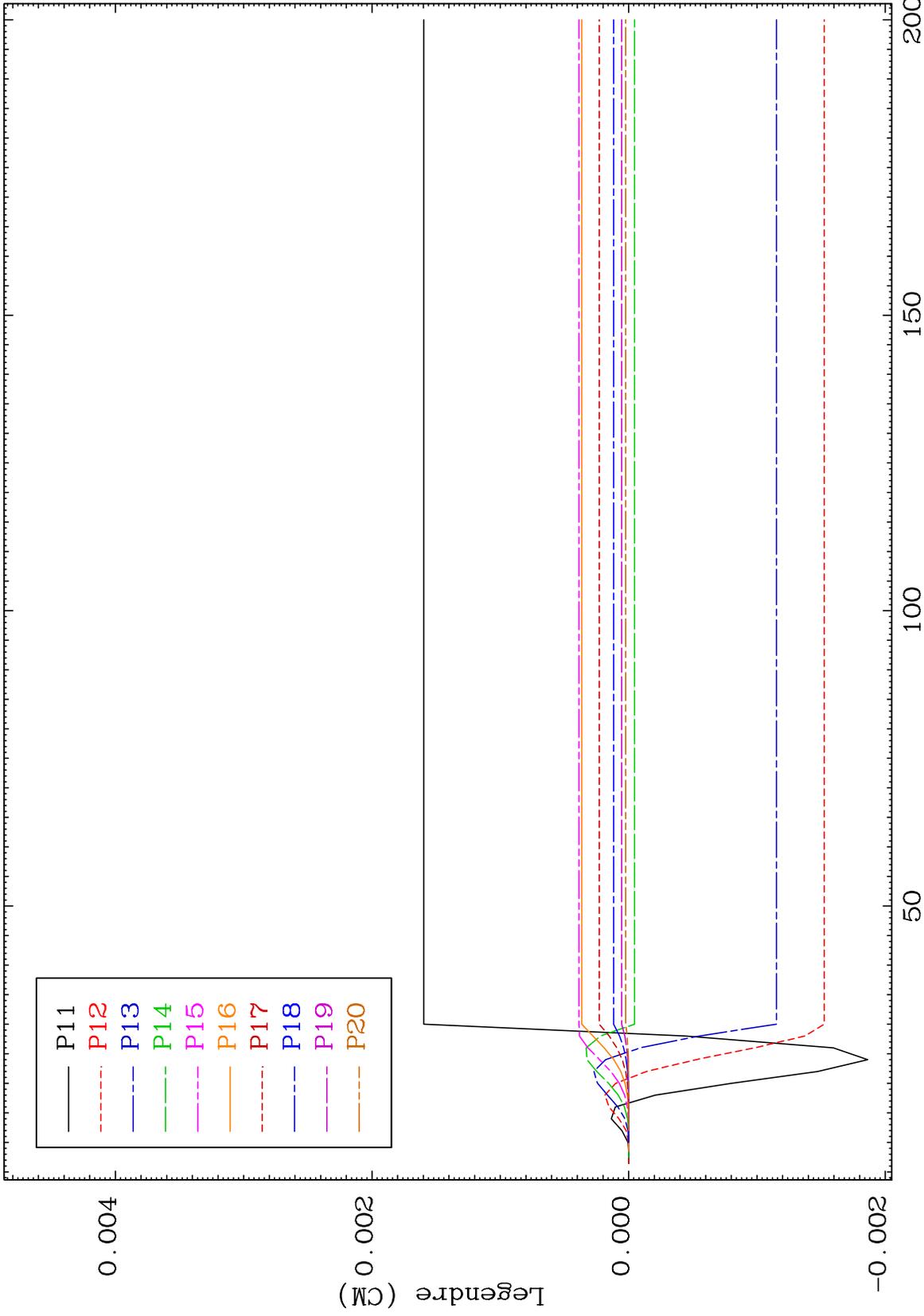
Incident Energy (MeV)

21-Sc-49

MAT 2137

MT= 79 (n,n') Level  
Legendre Coefficients

21-Sc-49



103

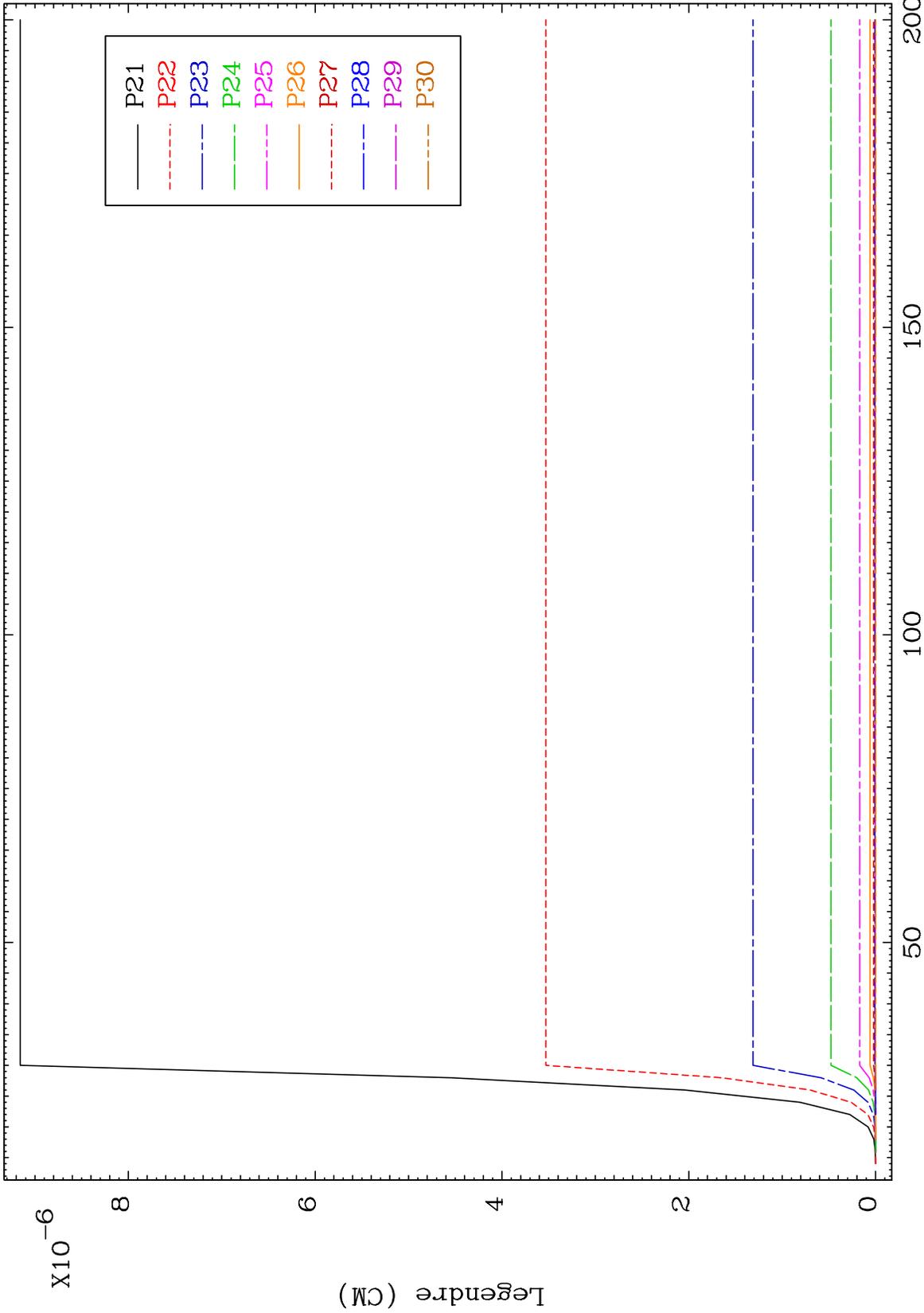
Incident Energy (MeV)

21-Sc-49

MAT 2137

MT= 79 (n,n') Level  
Legendre Coefficients

21-Sc-49



104

Incident Energy (MeV)

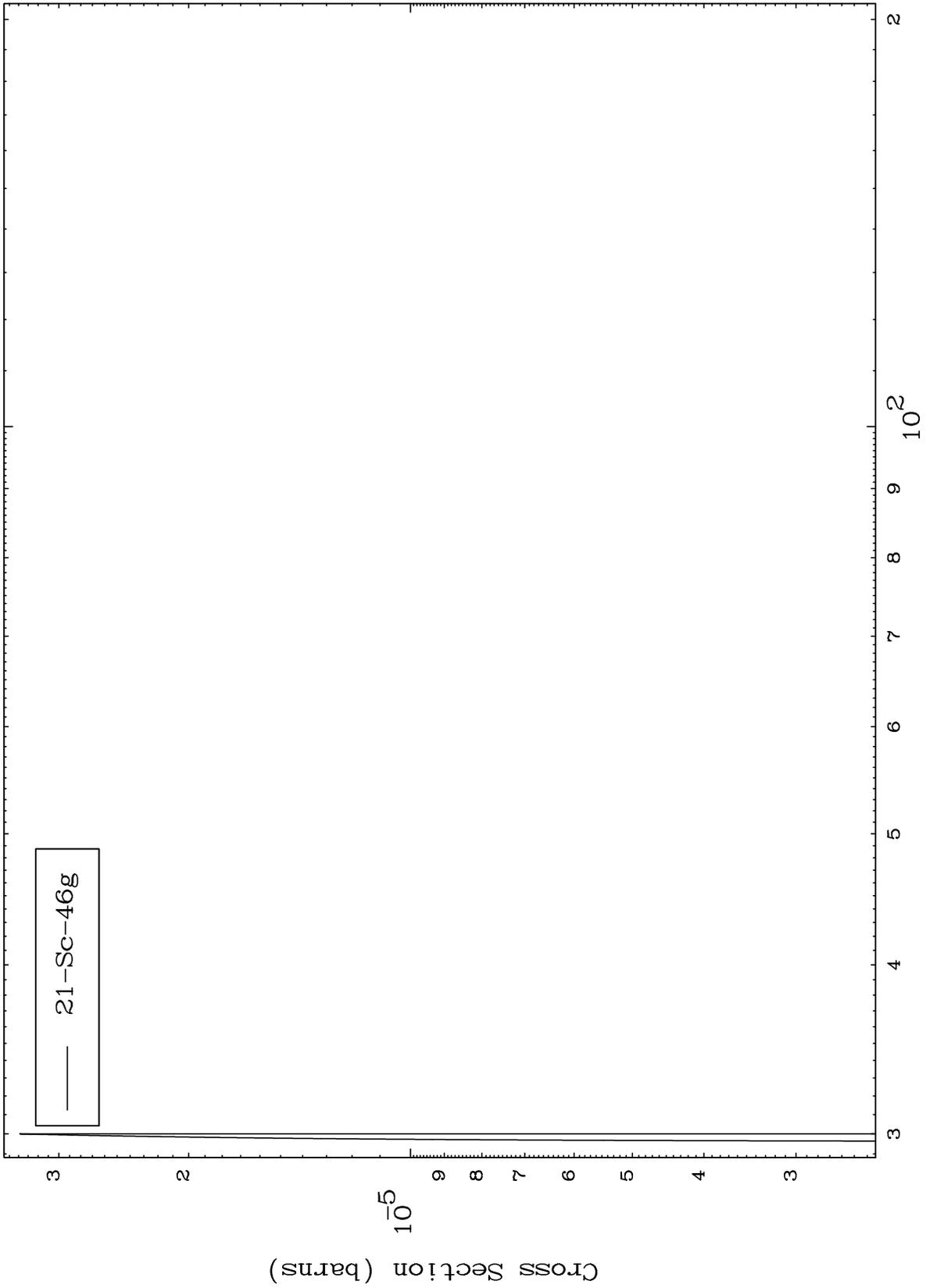
21-Sc-49

MAT 2137

(n,4n)

21-Sc-49

Radionuclide Production Cross Section



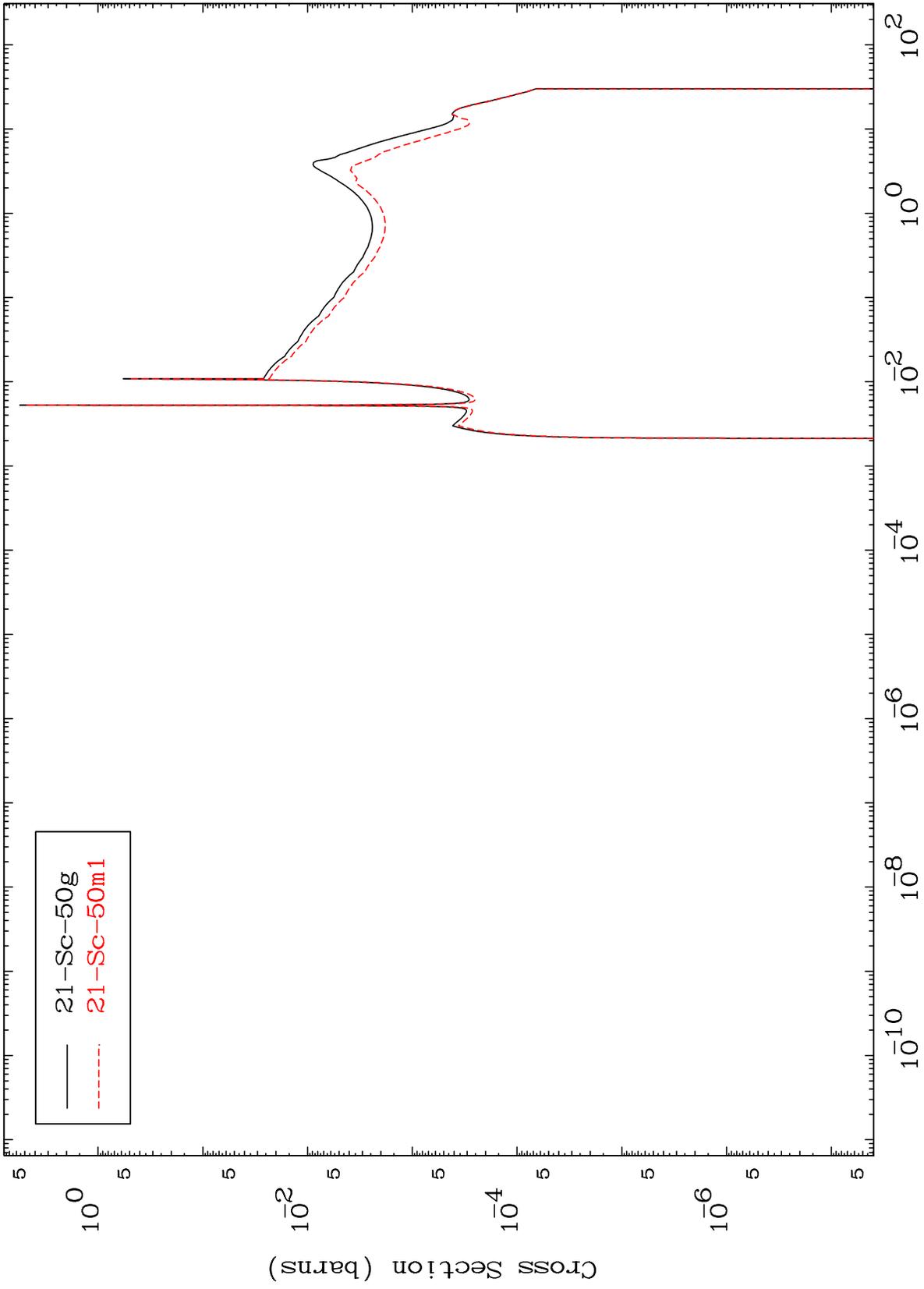
105

21-Sc-49

MAT 2137

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

<sup>21</sup>Sc-49



106

<sup>21</sup>Sc-49