

Program EVALPLOT
(Version 2018-1)

by

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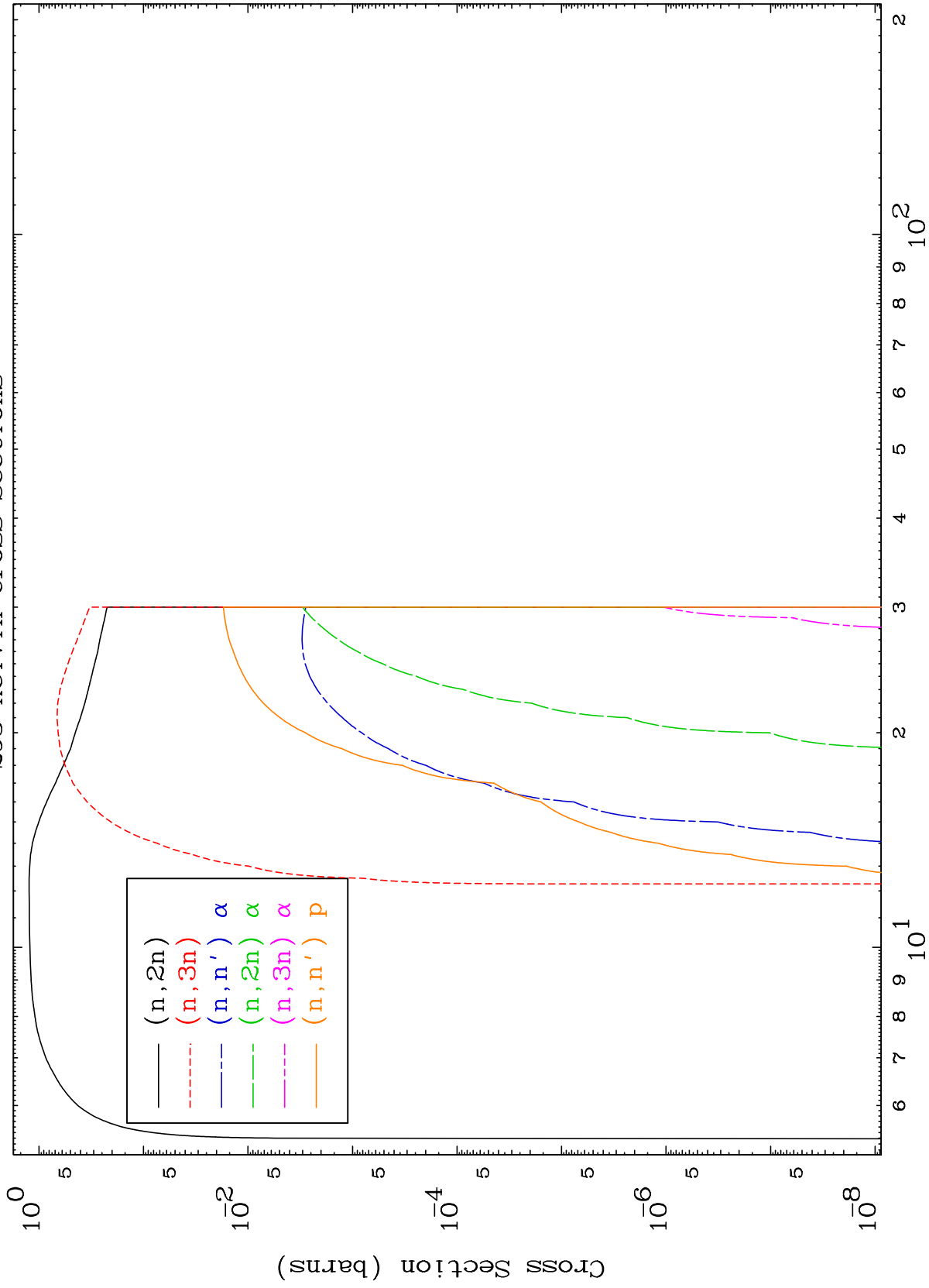
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2146

Neutron Production
293 Kelvin Cross Sections

21-Sc-52



2

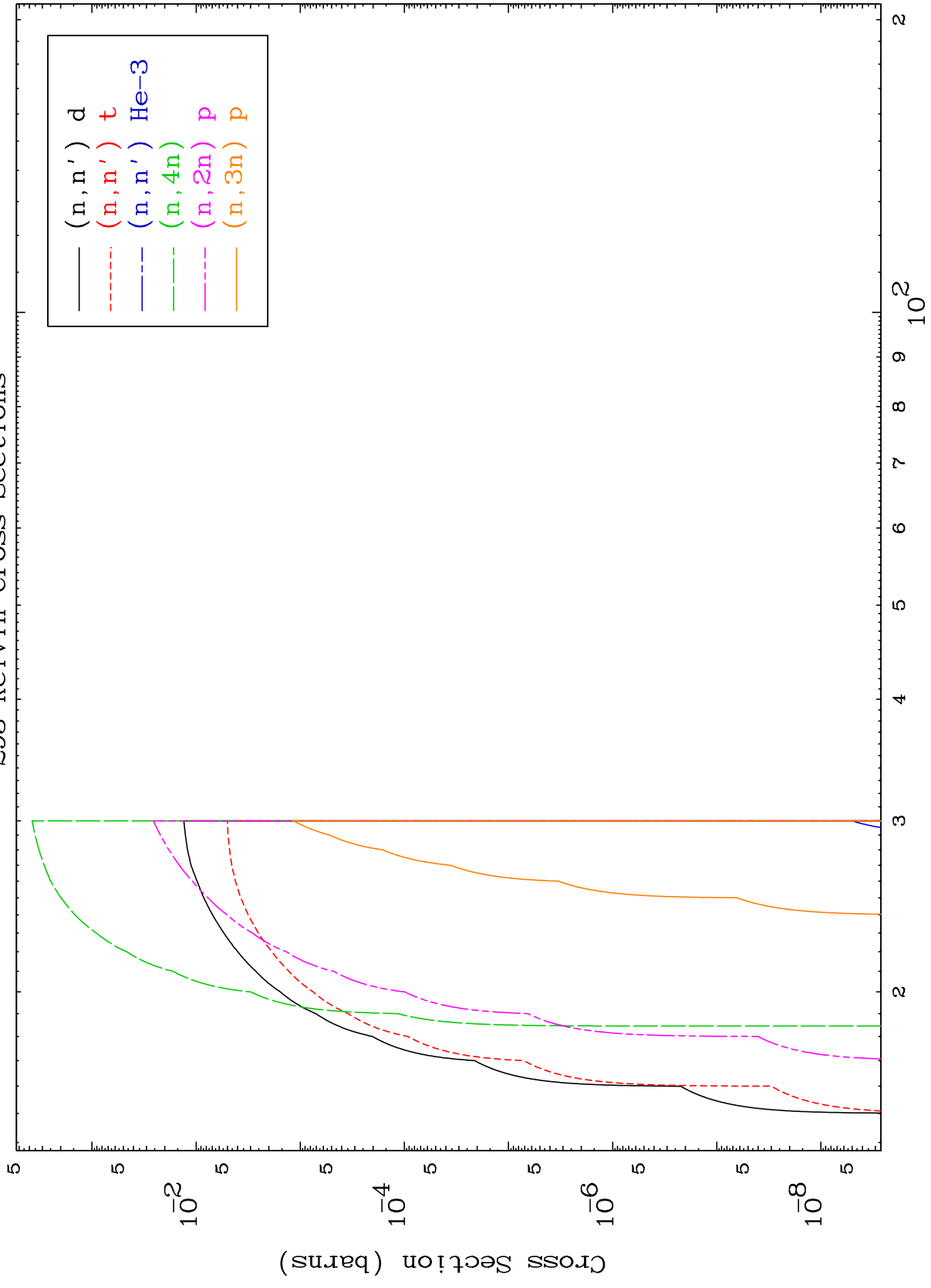
Incident Energy (MeV)

21-Sc-52

MAT 2146

Neutron Production
293 Kelvin Cross Sections

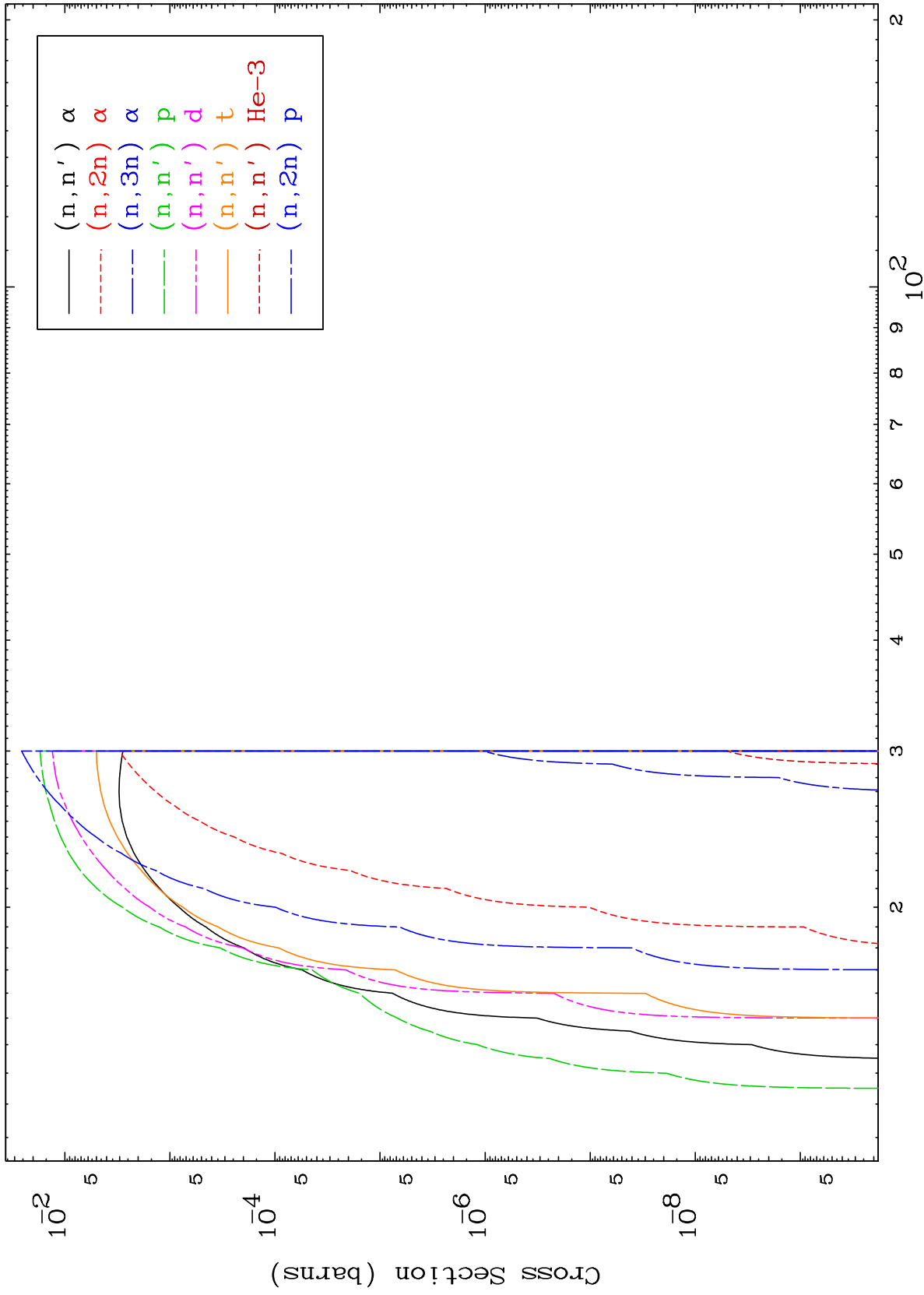
21-Sc-52

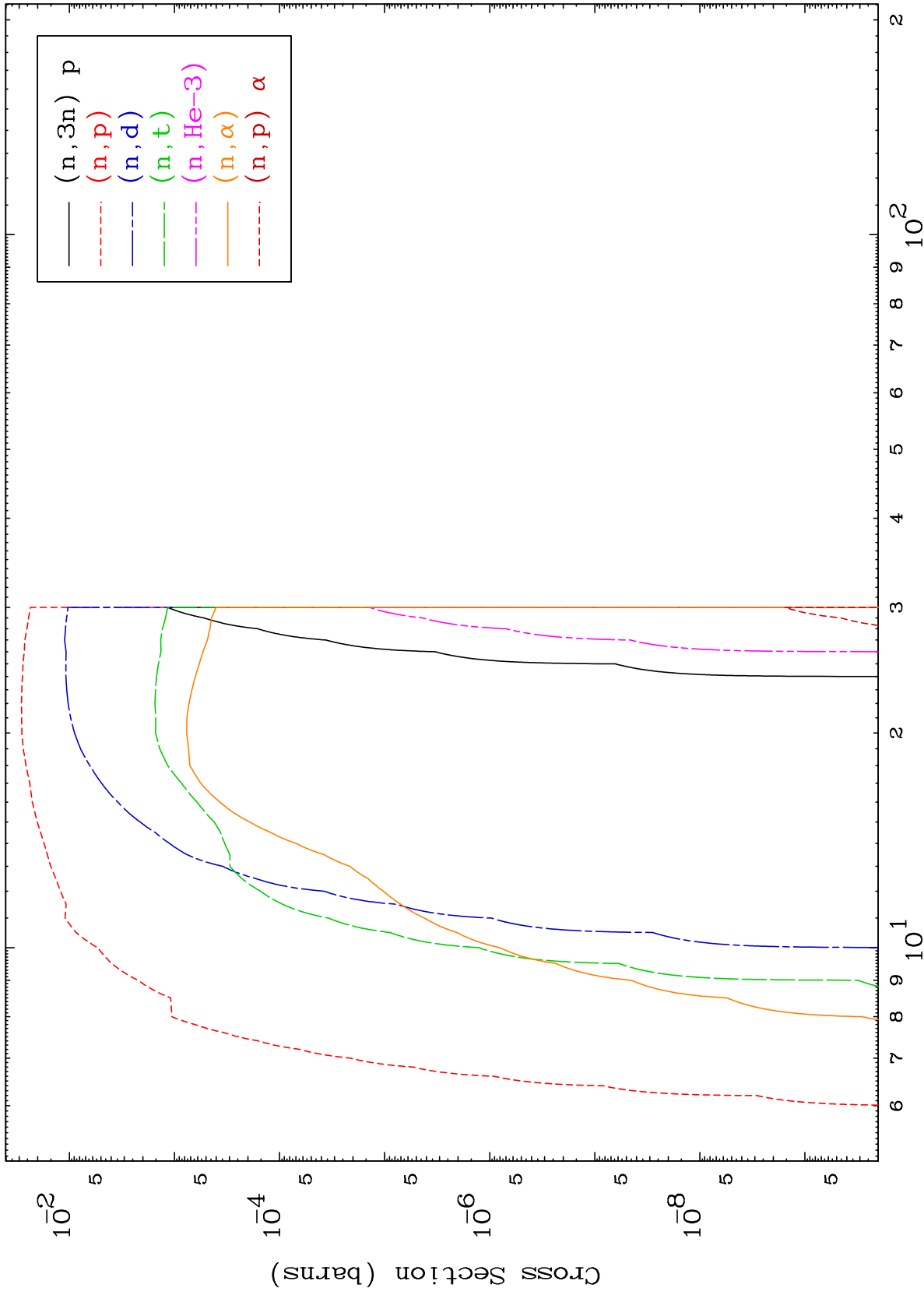


3

Incident Energy (MeV)

21-Sc-52

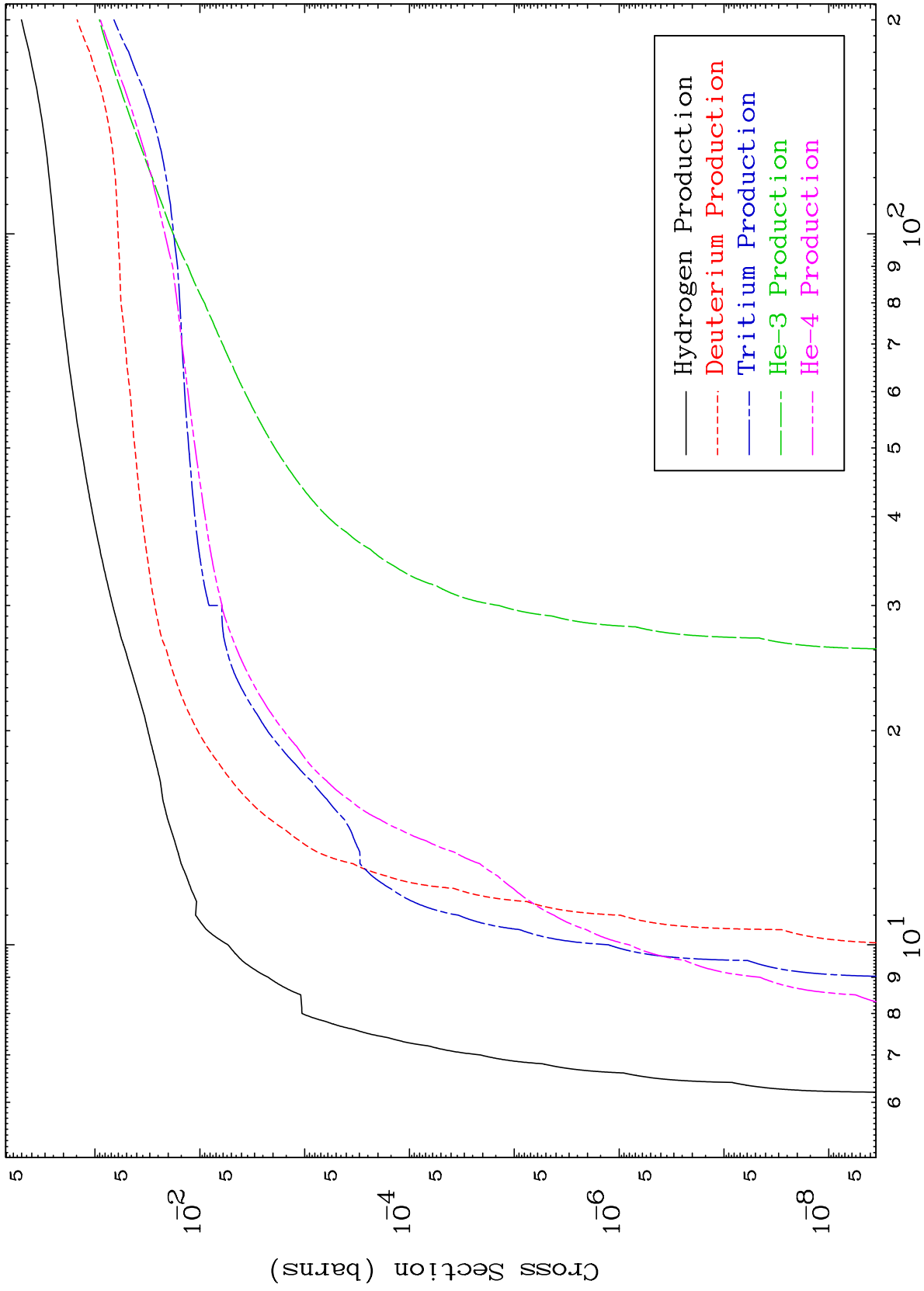




MAT 2146

Particle Production
293 Kelvin Cross Sections

21-Sc-52



6

Incident Energy (MeV)

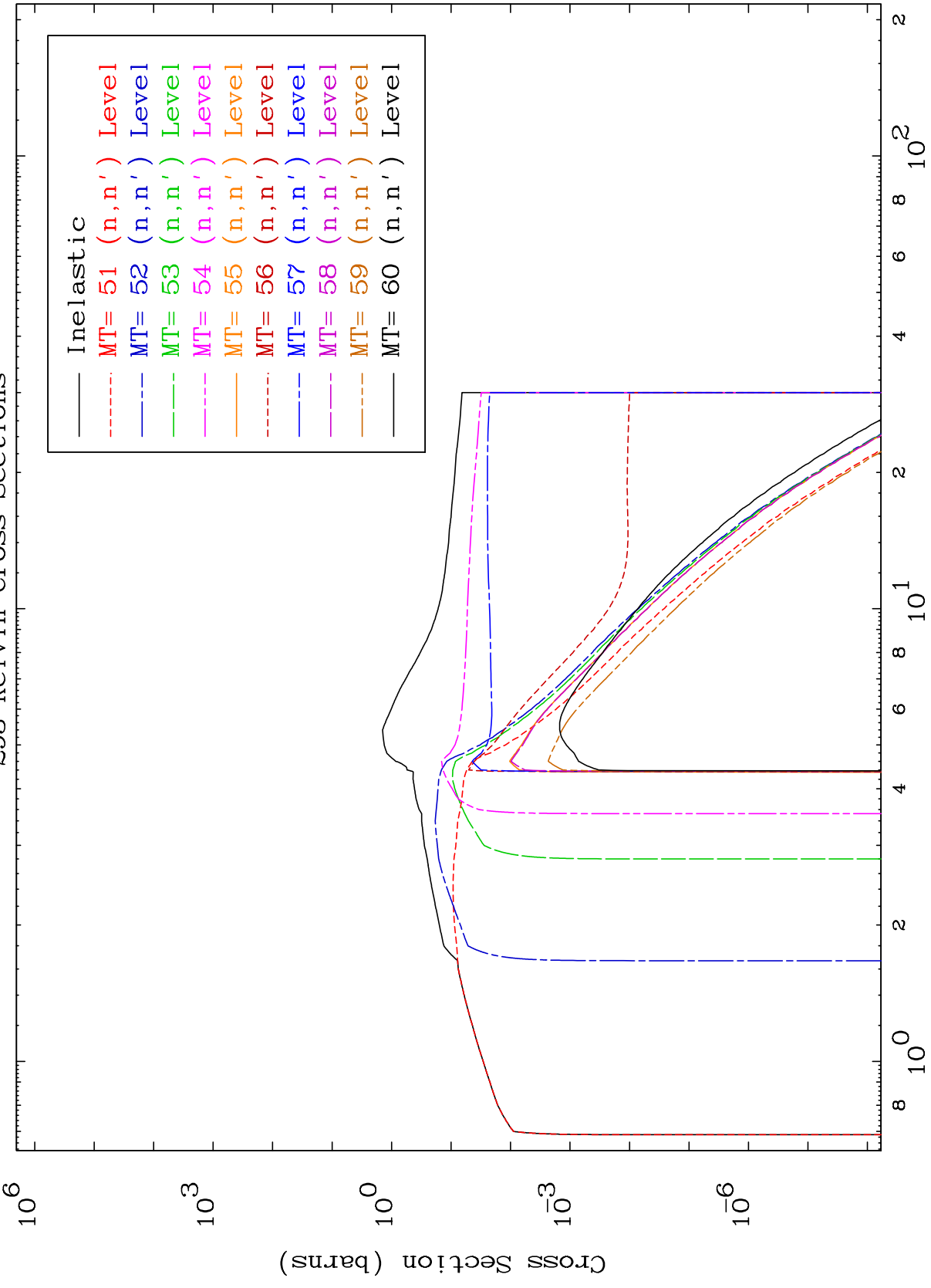
21-Sc-52

MAT 2146

(n,n') Level

21-Sc-52

293 Kelvin Cross Sections



7

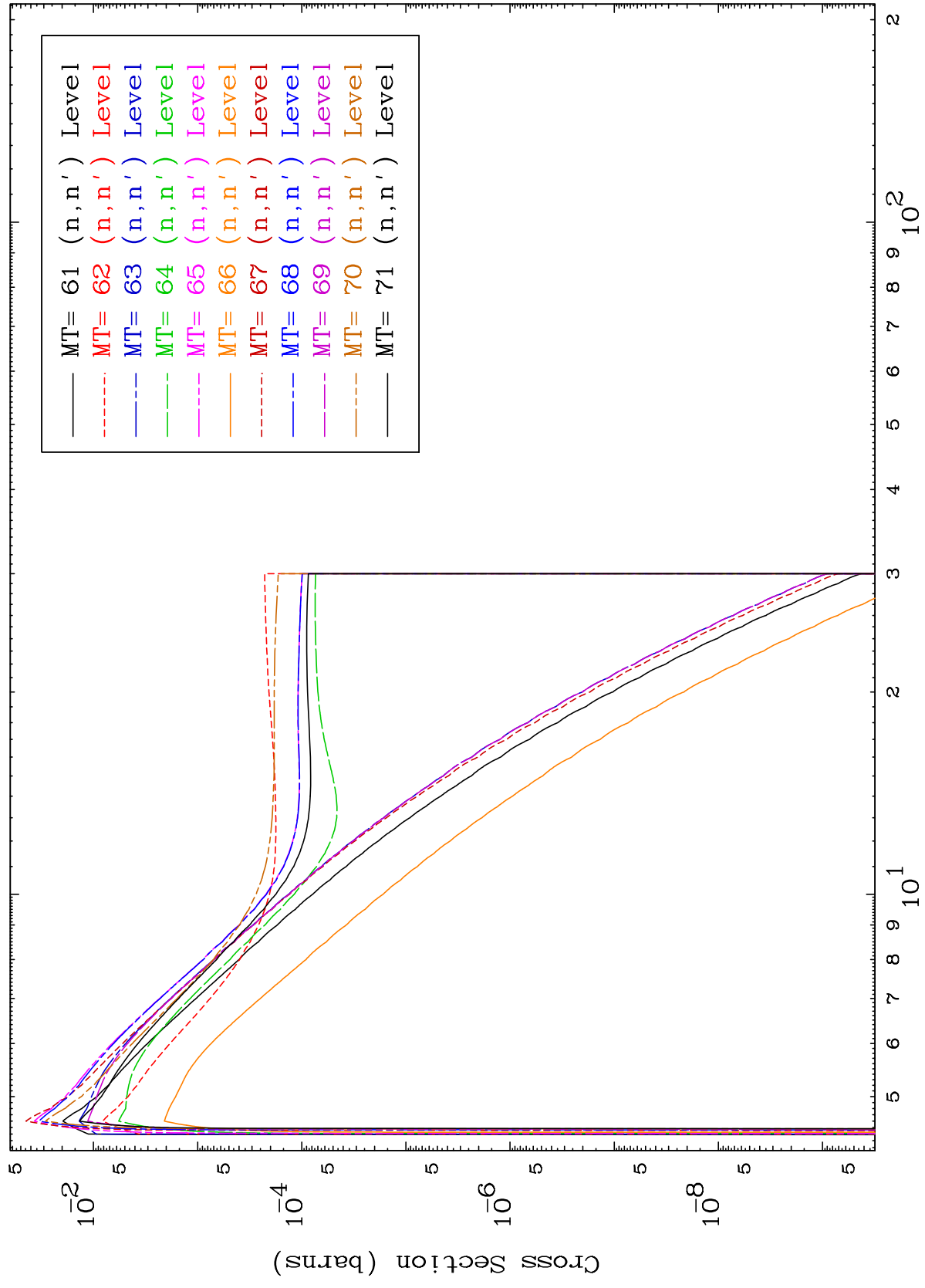
Incident Energy (MeV)

21-Sc-52

MAT 2146

(n,n') Level
293 Kelvin Cross Sections

21-Sc-52



8

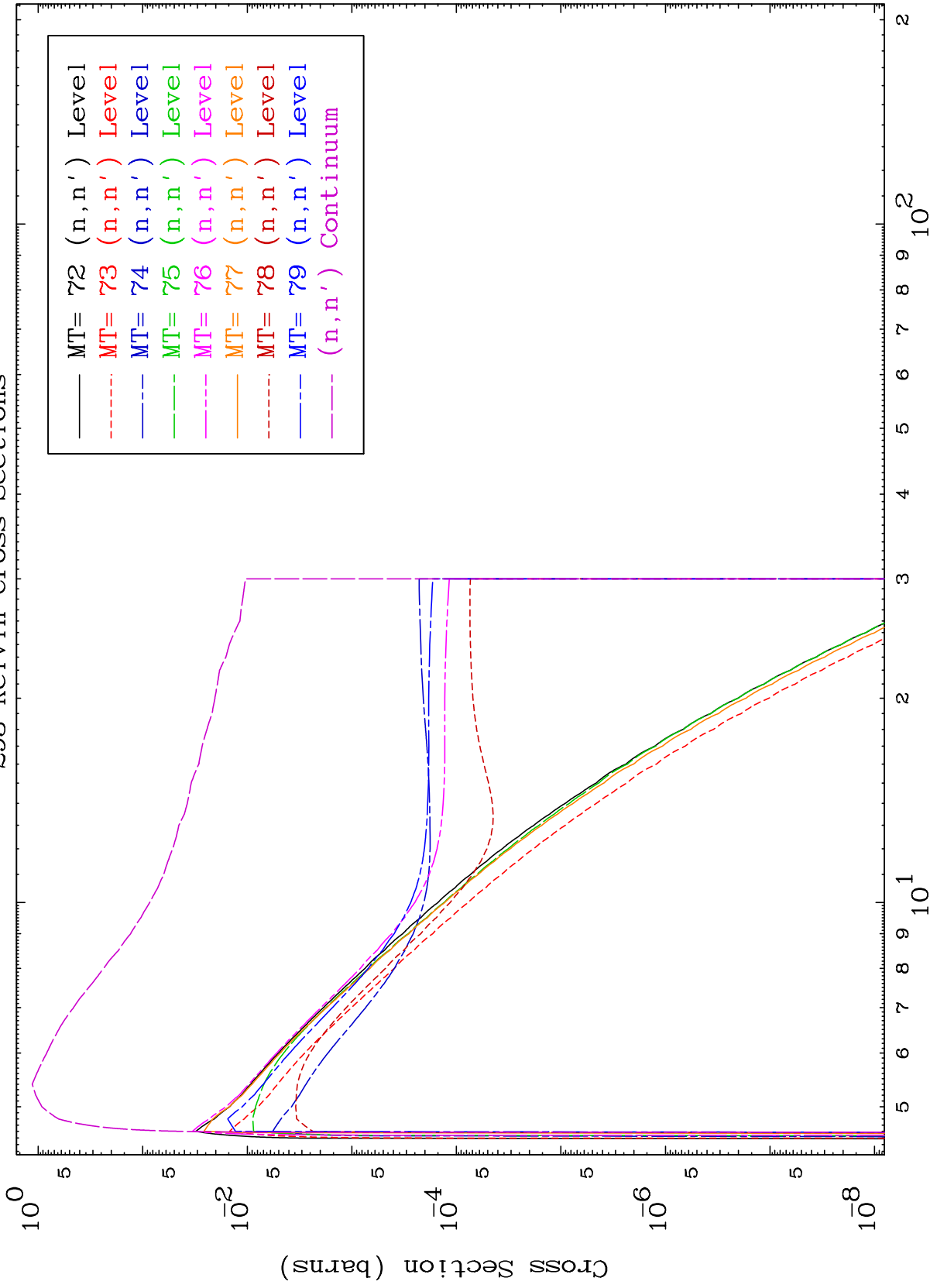
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21-Sc-52

MAT 2146

(n,n') Level
293 Kelvin Cross Sections

21-Sc-52



9

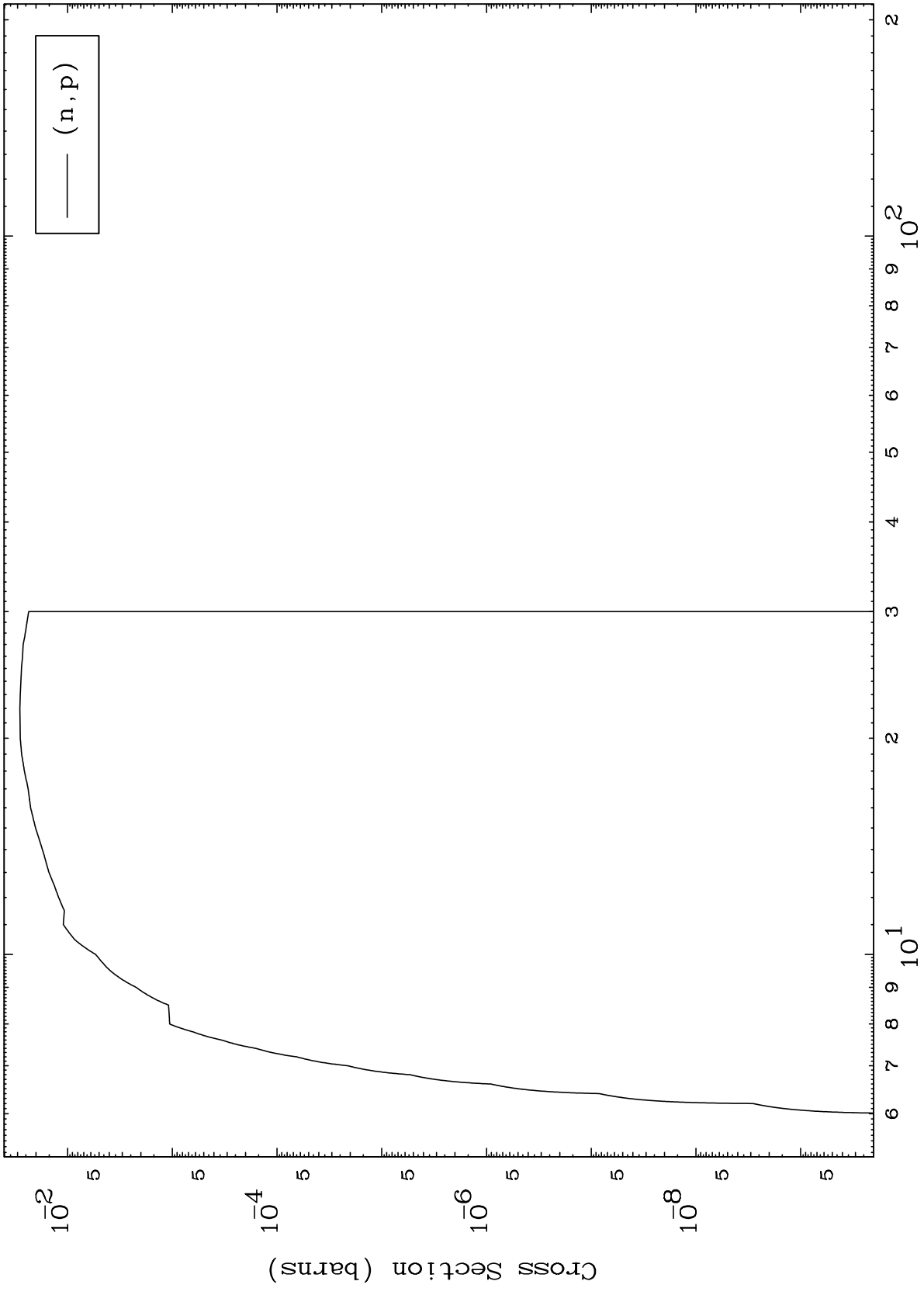
Incident Energy (MeV)

21-Sc-52

MAT 2146

(n,p) Levels
293 Kelvin Cross Sections

21-Sc-52



10

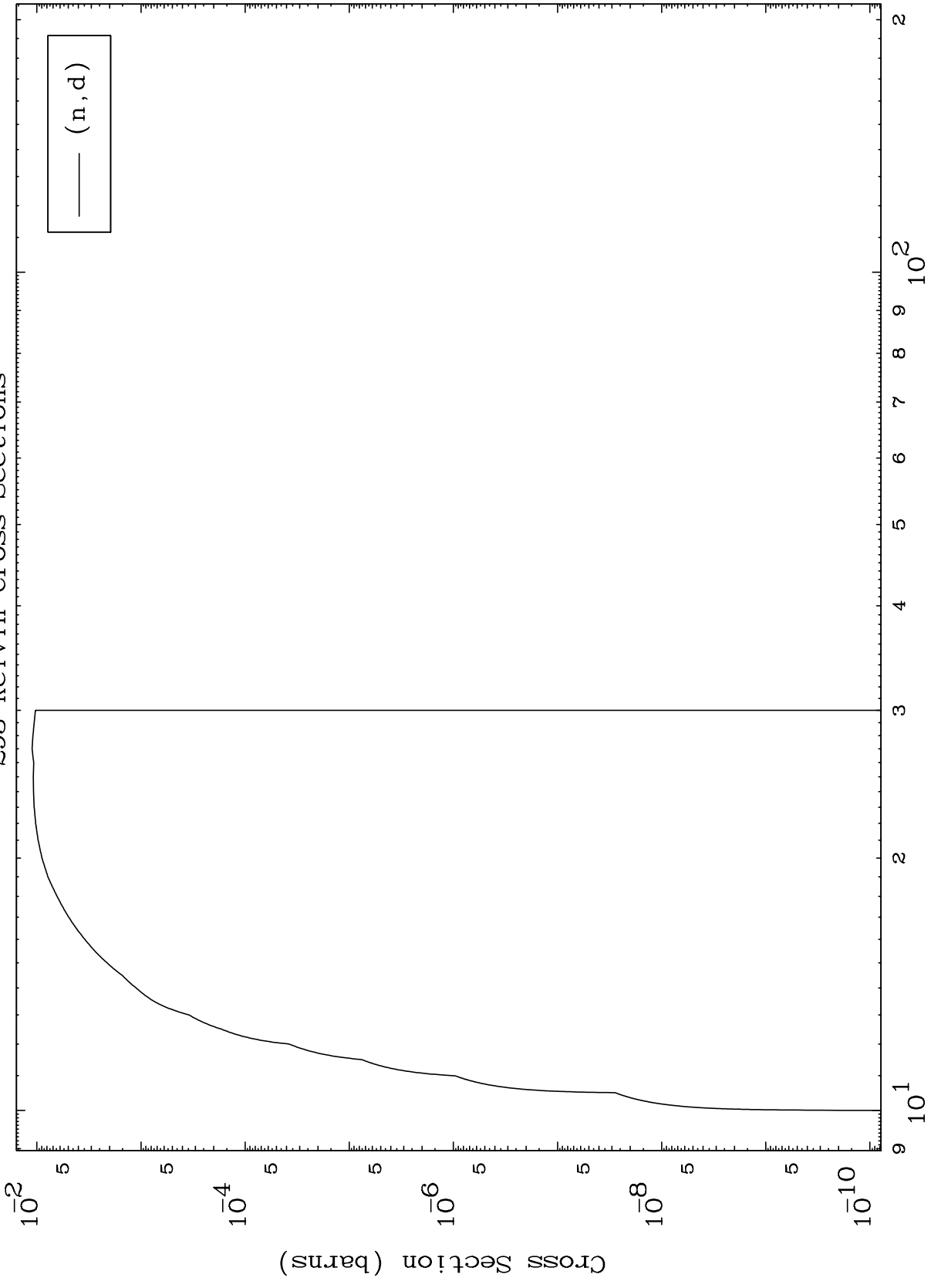
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21-Sc-52

MAT 2146

(n,d) Levels
293 Kelvin Cross Sections

21-Sc-52



11

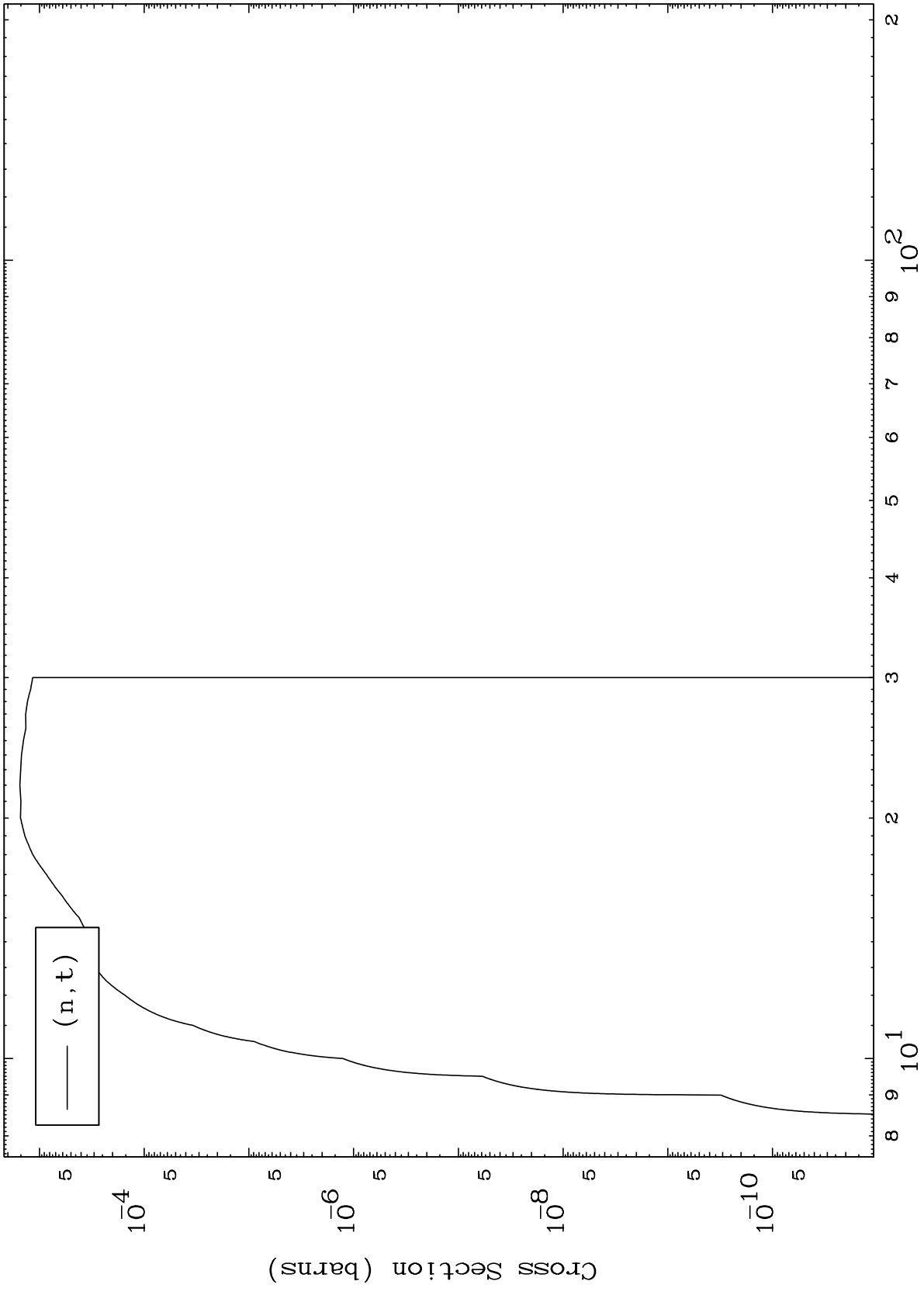
Incident Energy (MeV)

21-Sc-52

MAT 2146

(n,t) Levels
293 Kelvin Cross Sections

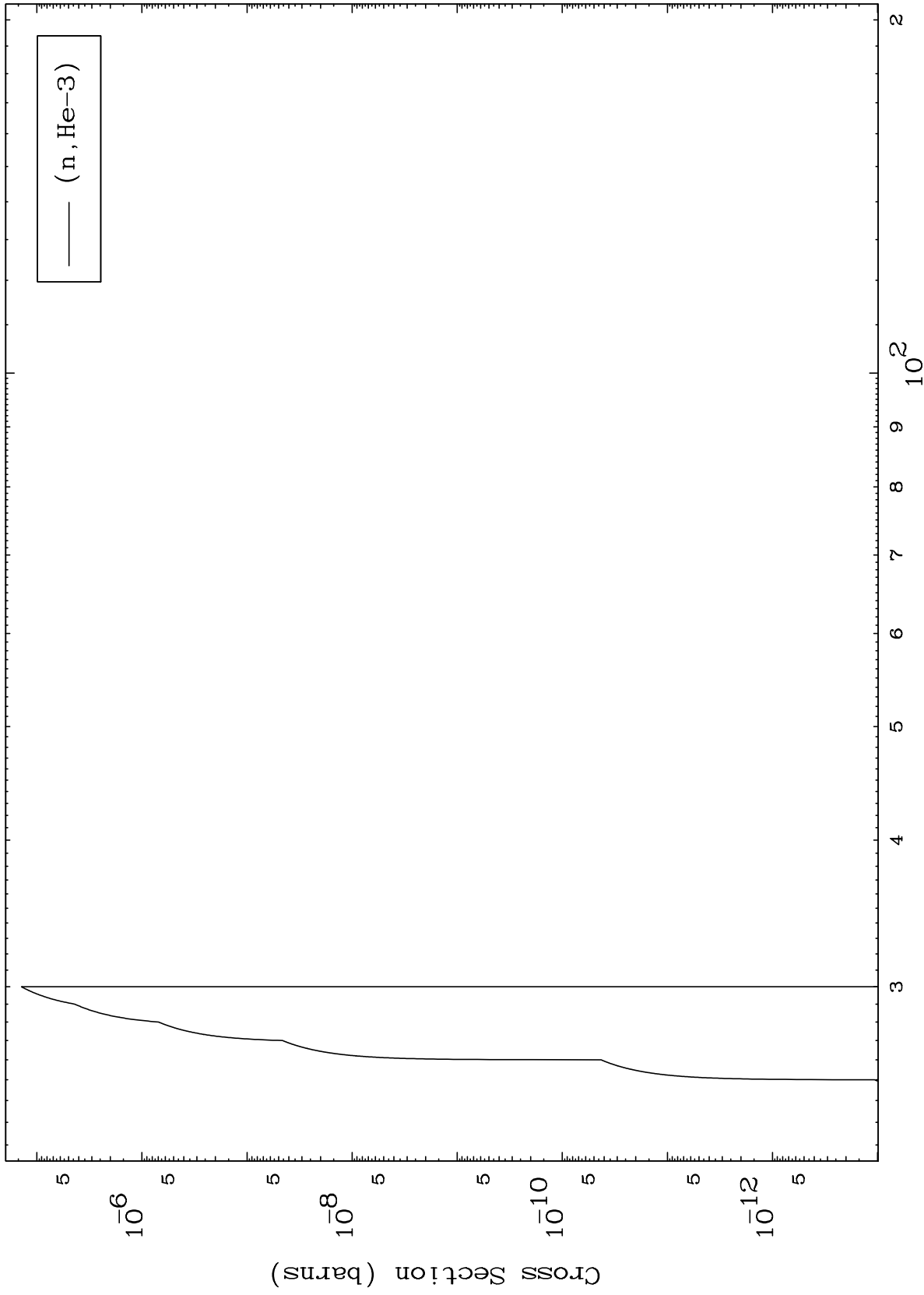
21-Sc-52



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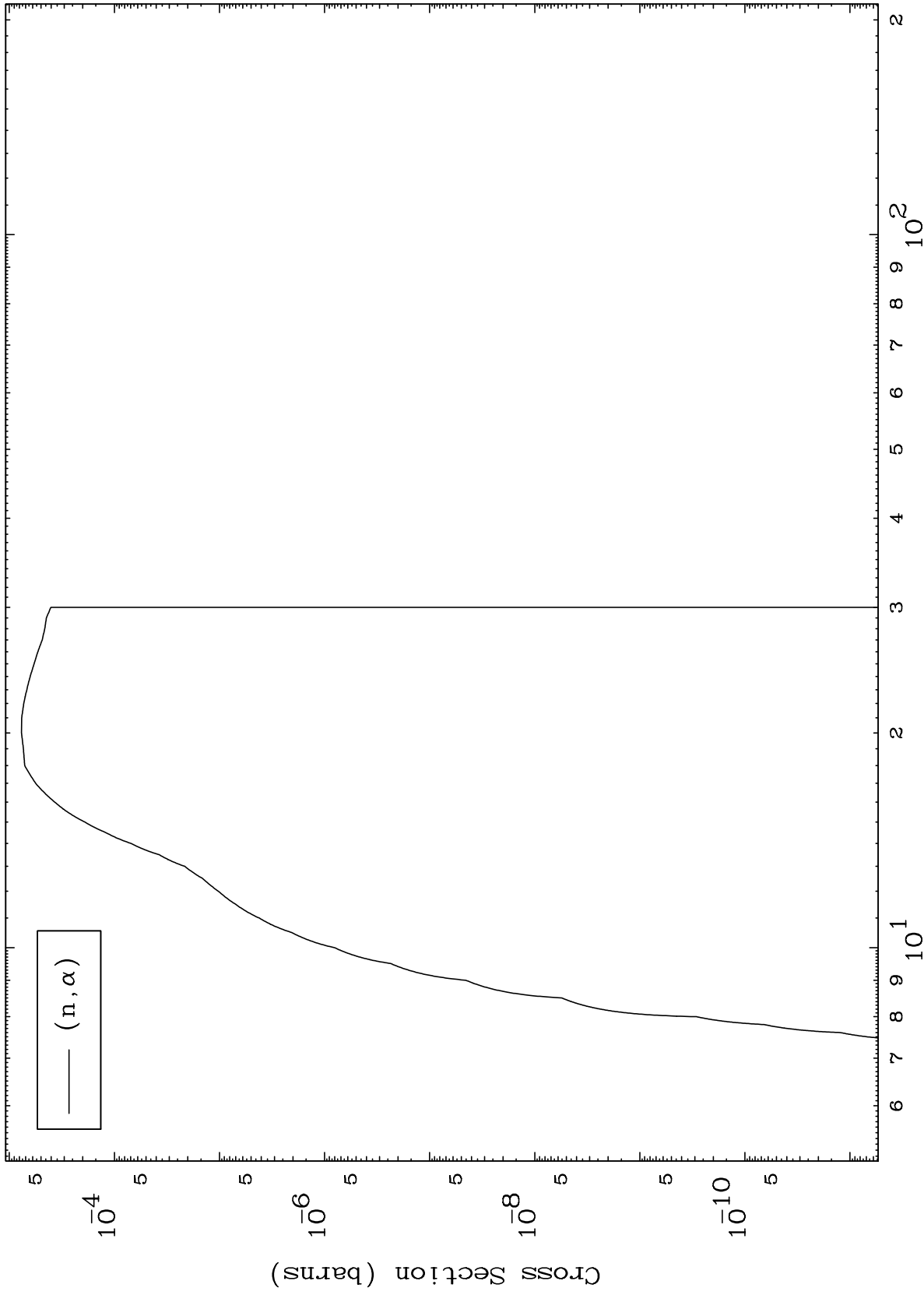
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MAT 2146

(n,α) Levels
293 Kelvin Cross Sections

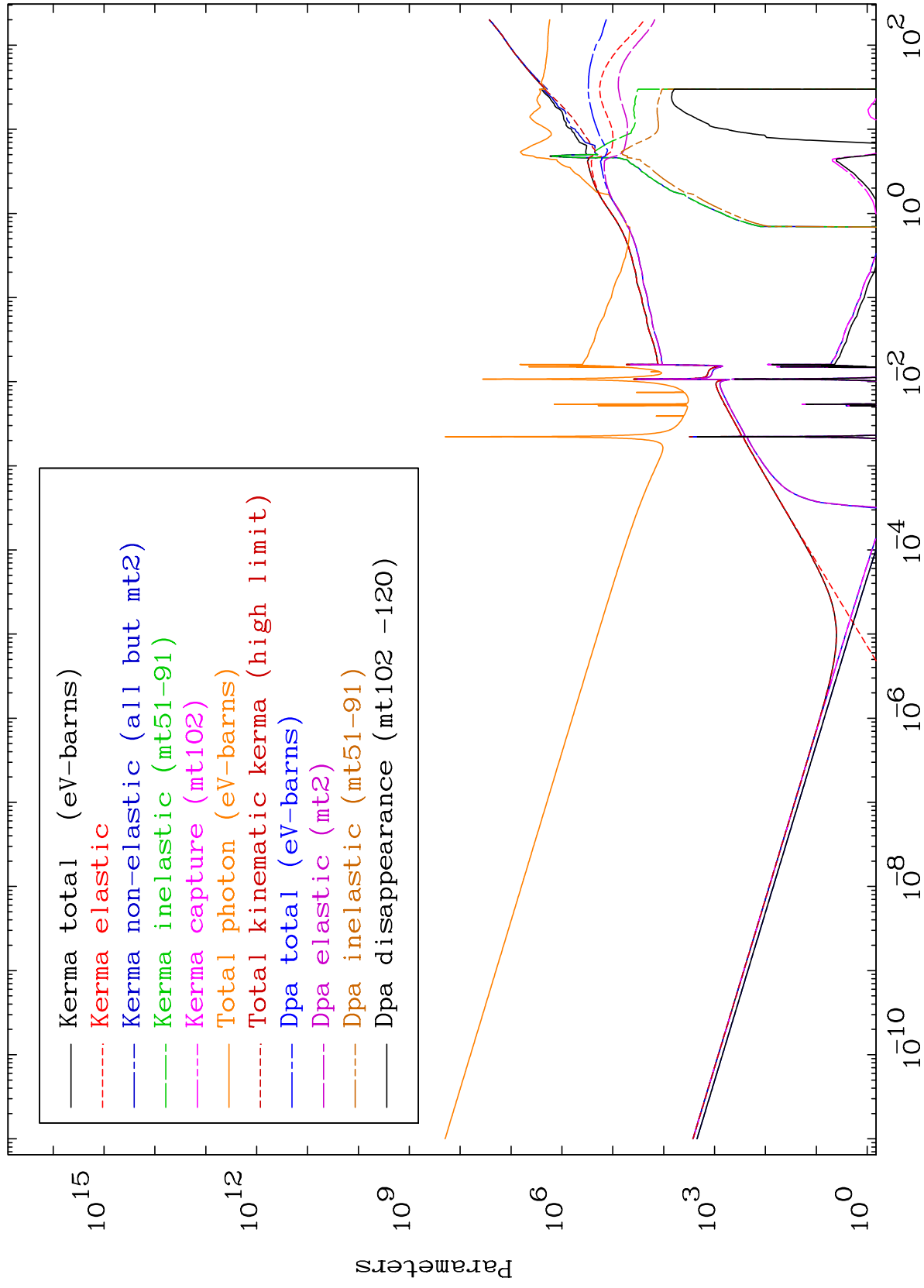
21-Sc-52



14

Incident Energy (MeV)

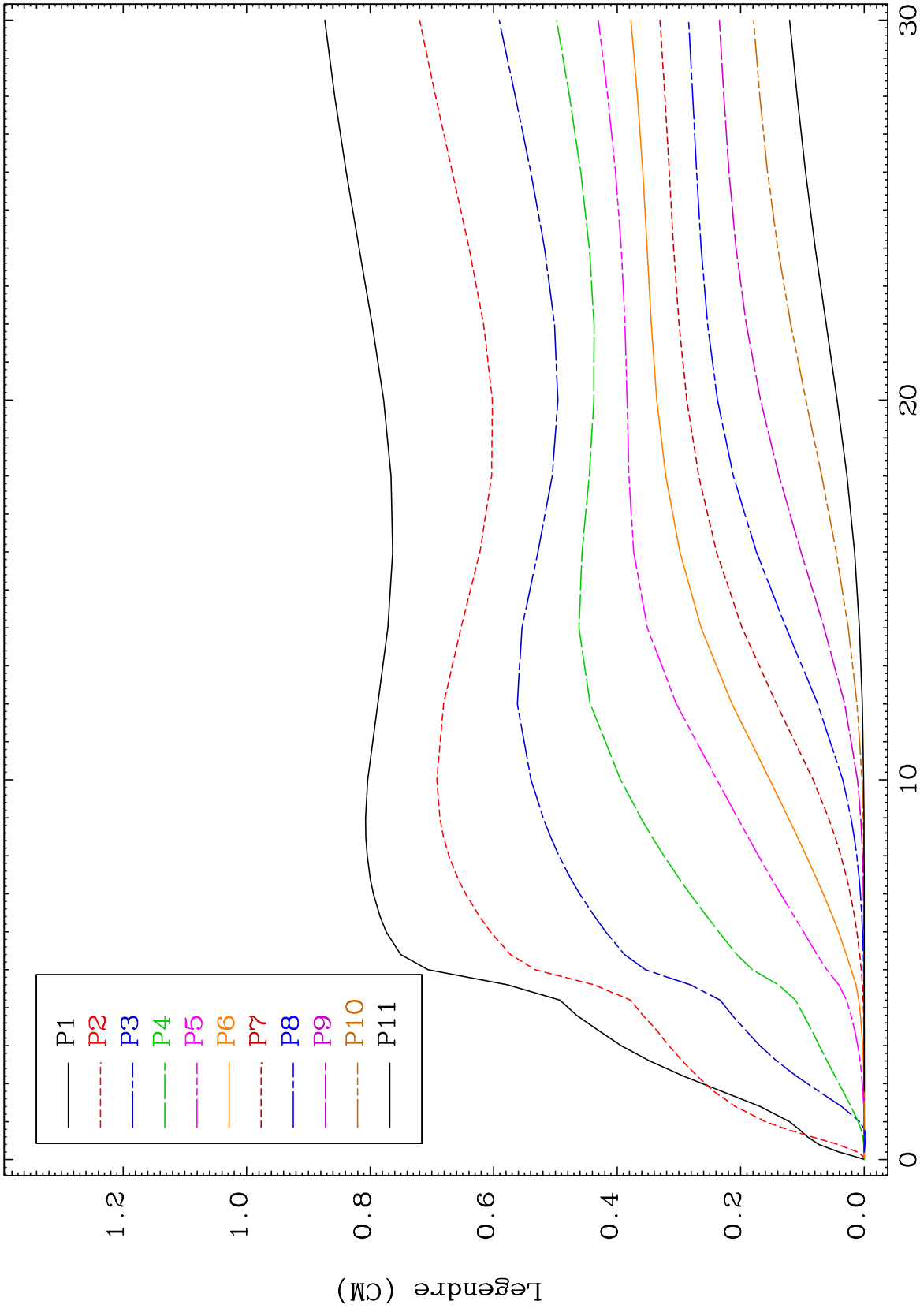
21-Sc-52



MAT 2146

Elastic Legendre Coefficients

21-Sc-52



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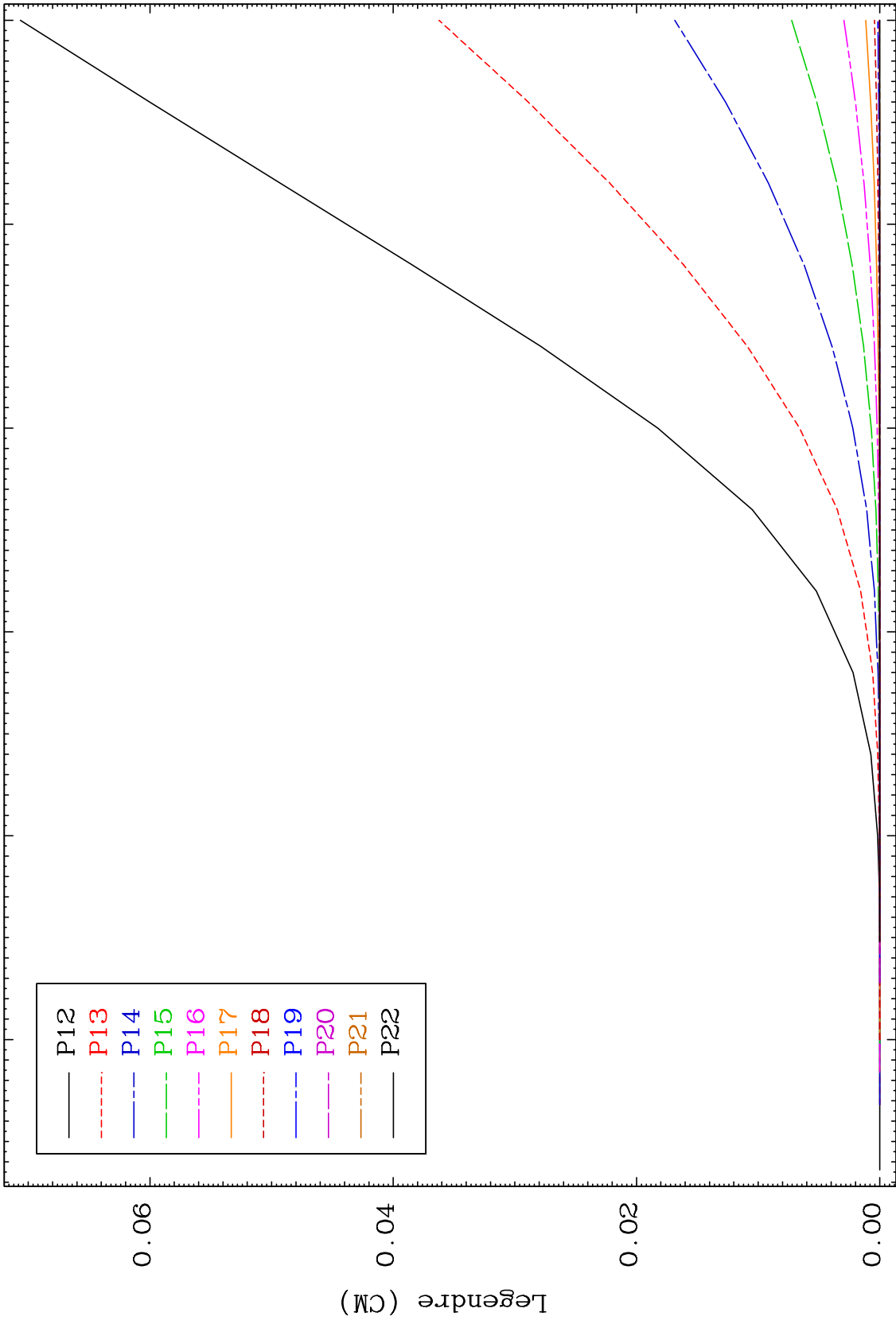
Incident Energy (MeV)

21-Sc-52

MAT 2146

Elastic Legendre Coefficients

21-Sc-52



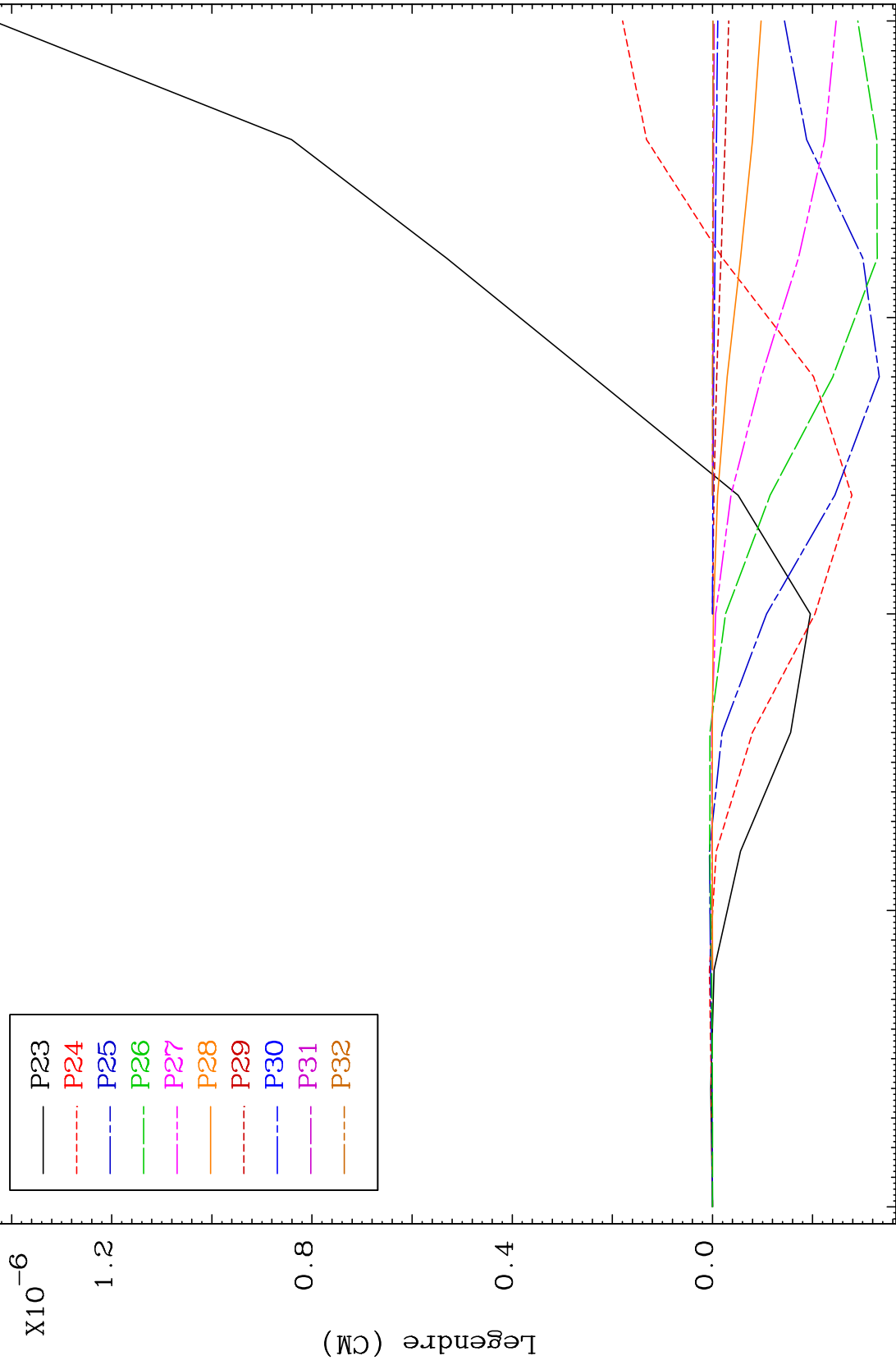
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21-Sc-52

MAT 2146

Elastic Legendre Coefficients

21-Sc-52



18

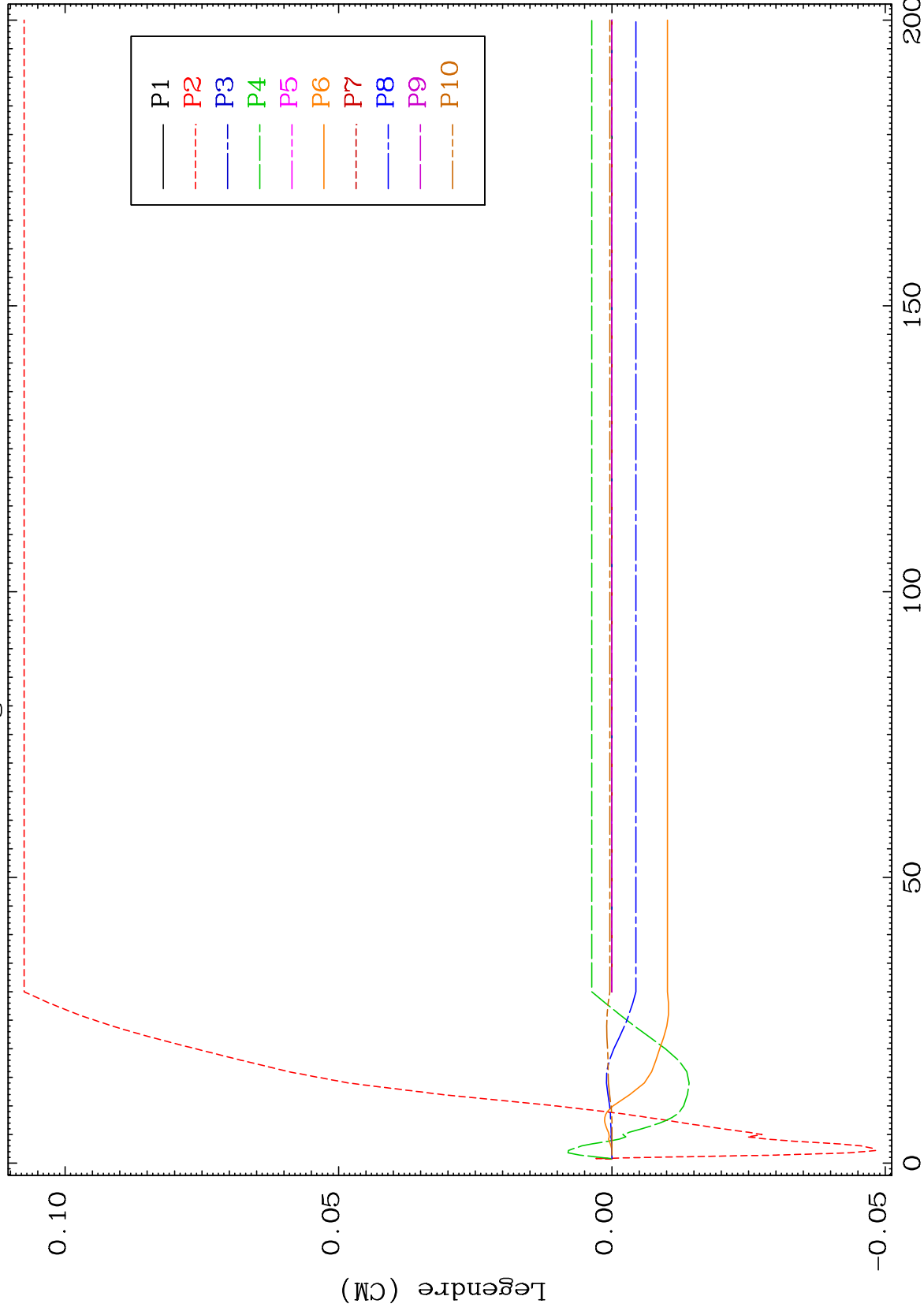
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



19

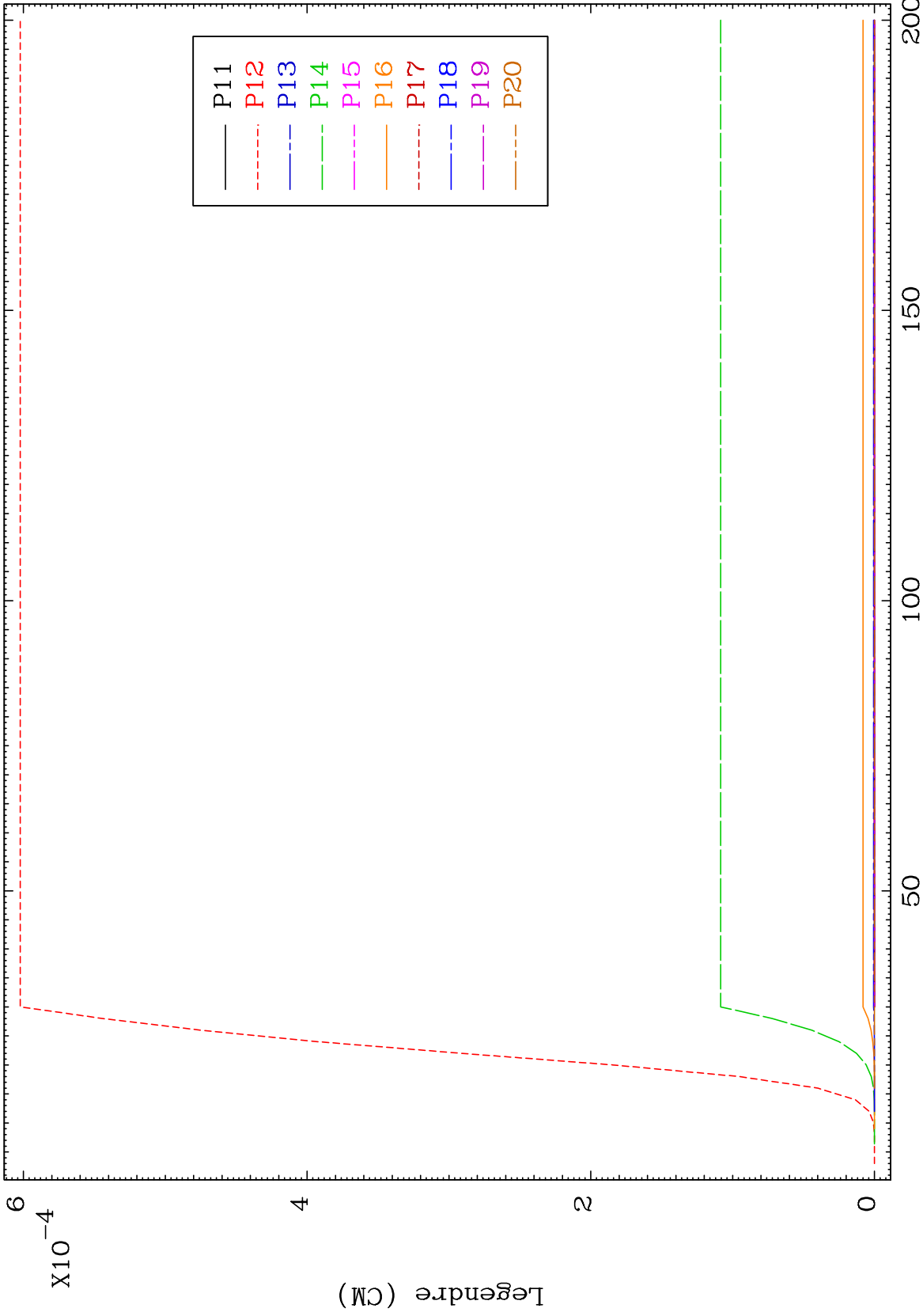
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



20

Incident Energy (MeV)

50

100

150

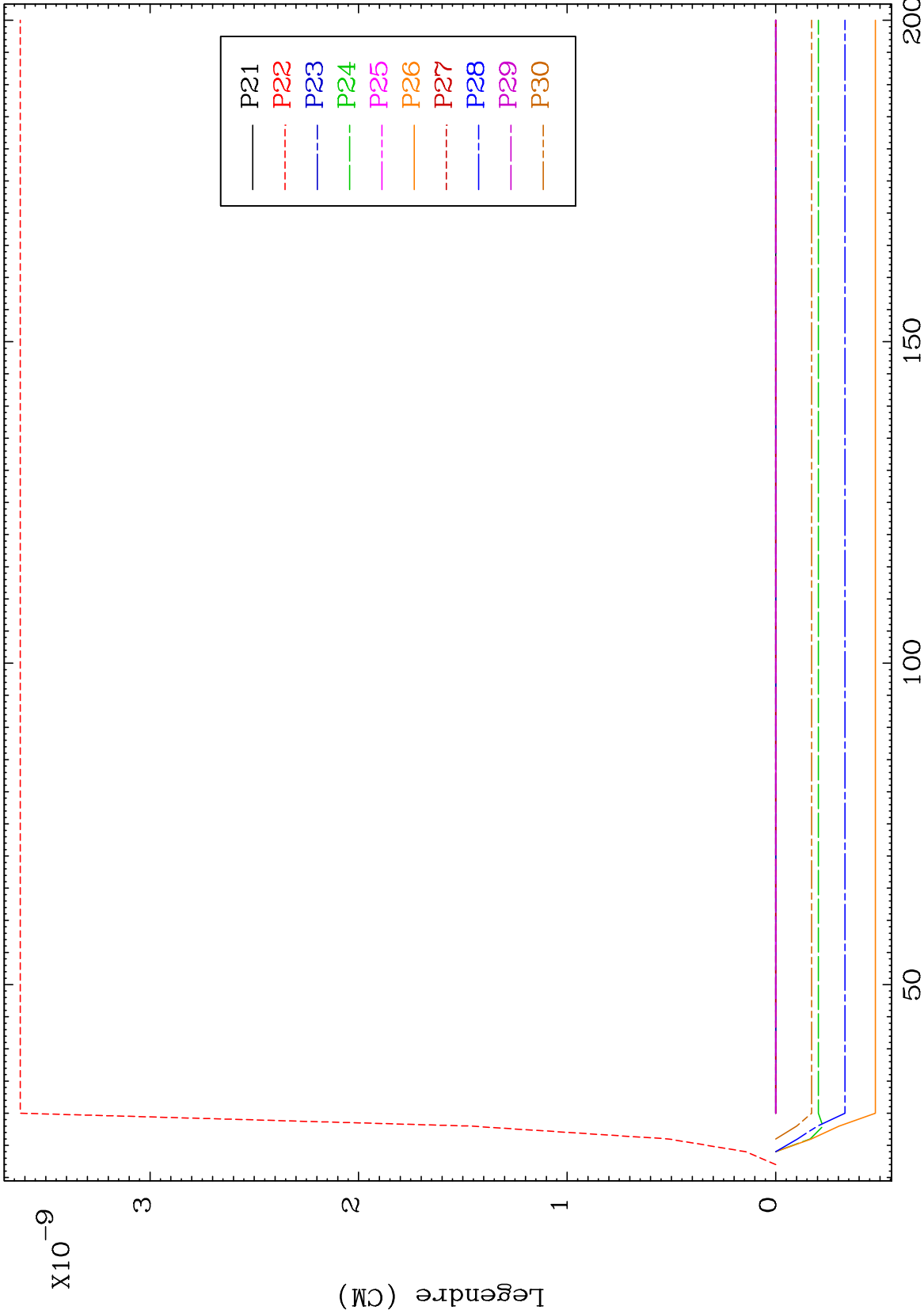
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21-Sc-52

MAT 2146

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

21-Sc-52

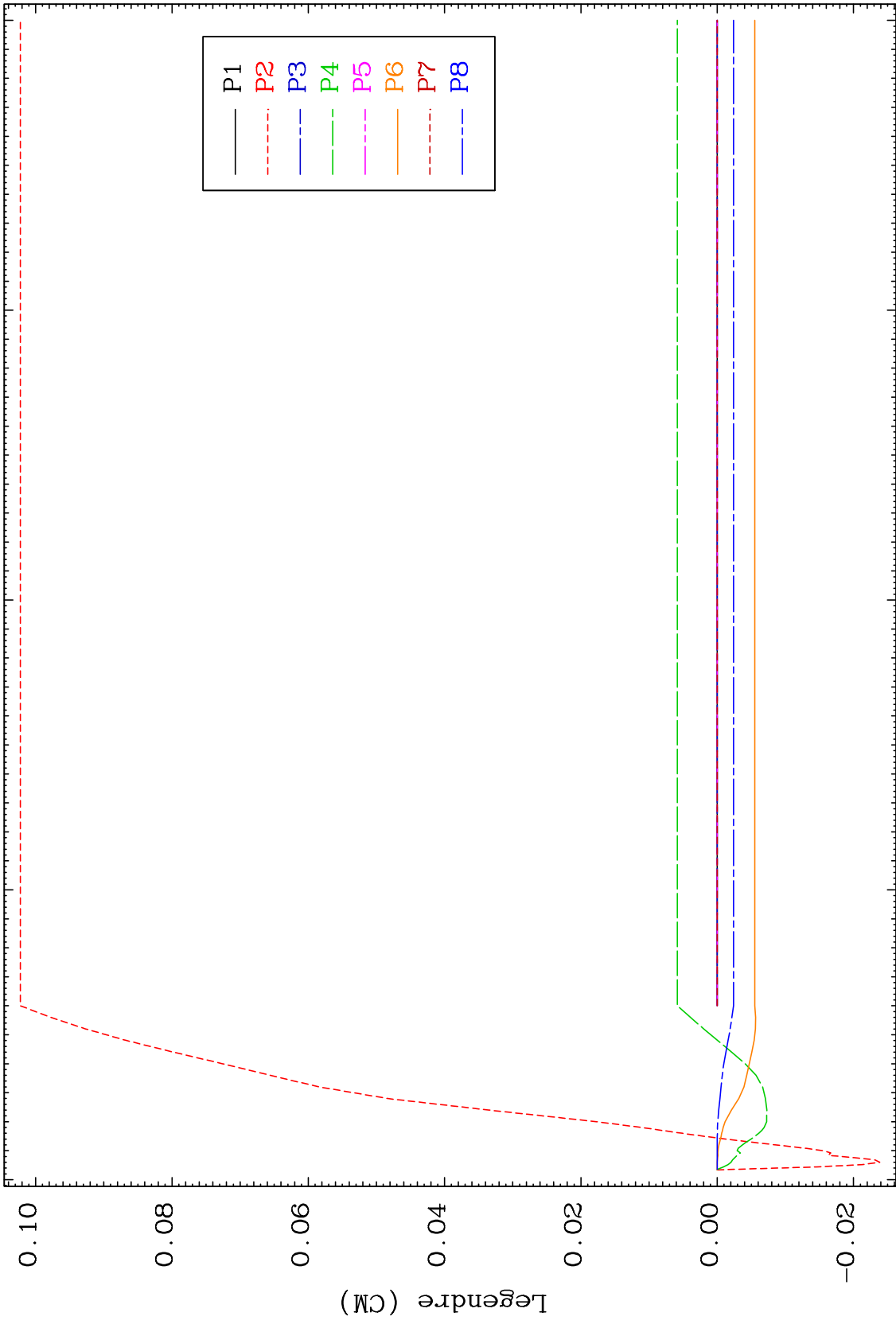


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Incident Energy (MeV)

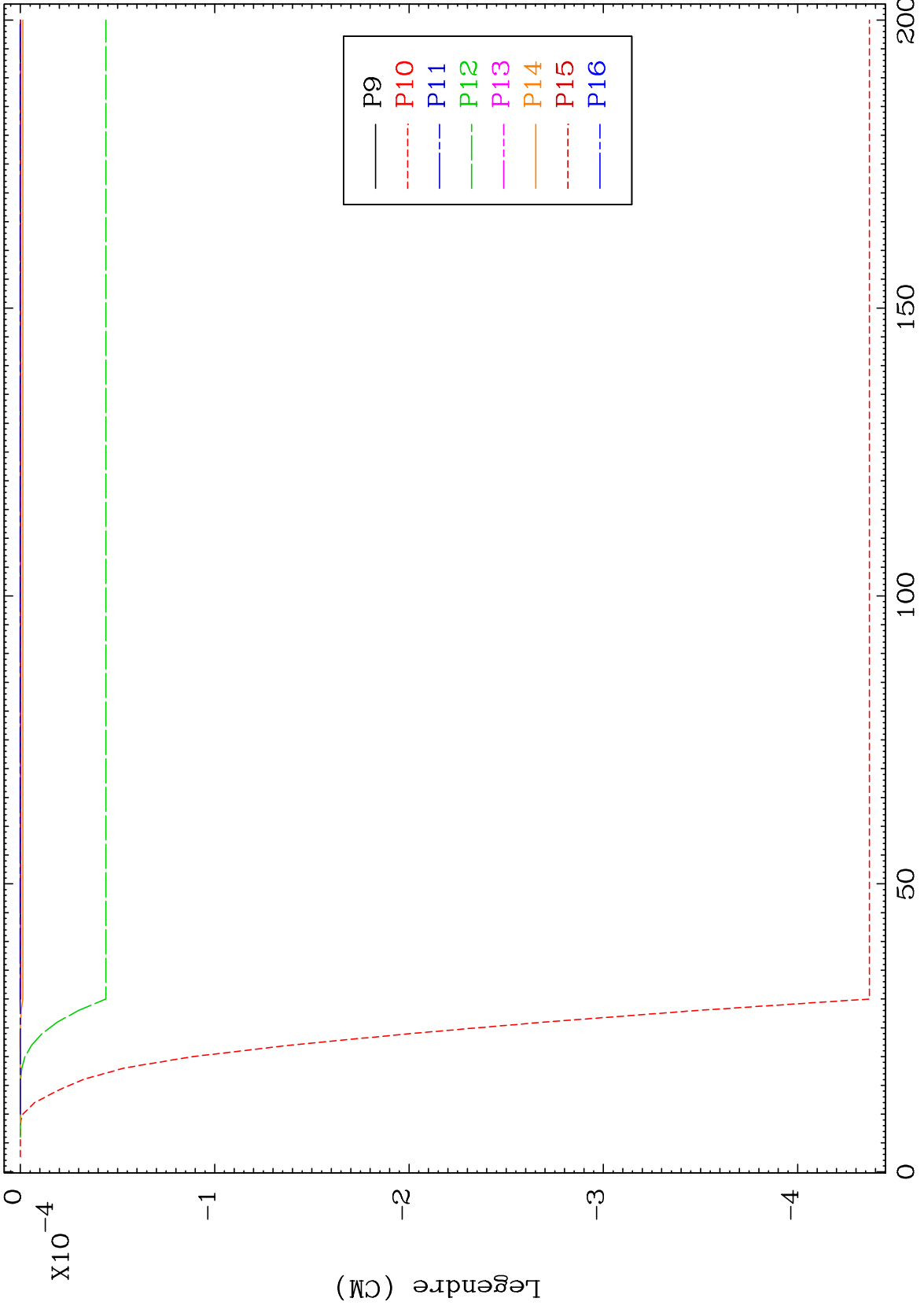
21-Sc-52

MAT 2146 MT= 52 (n,n') Level Legendre Coefficients 21-Sc-52



22 Incident Energy (MeV) 21-Sc-52

MAT 2146 MT= 52 (n,n') Level Legendre Coefficients 21-Sc-52

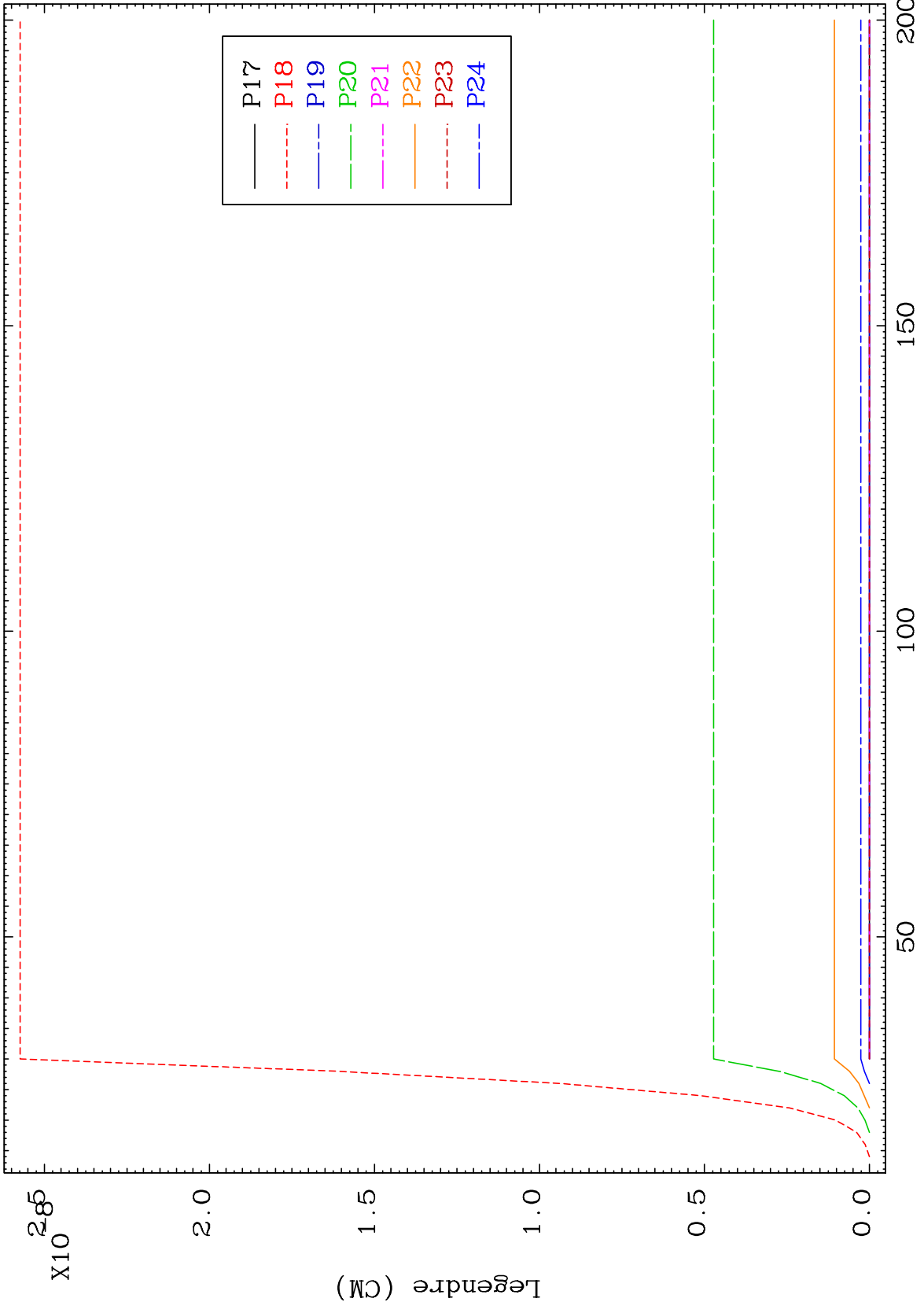


23 21-Sc-52

MAT 2146 MT= 52 (n,n') Level Legendre Coefficients

21-Sc-52

21-Sc-52

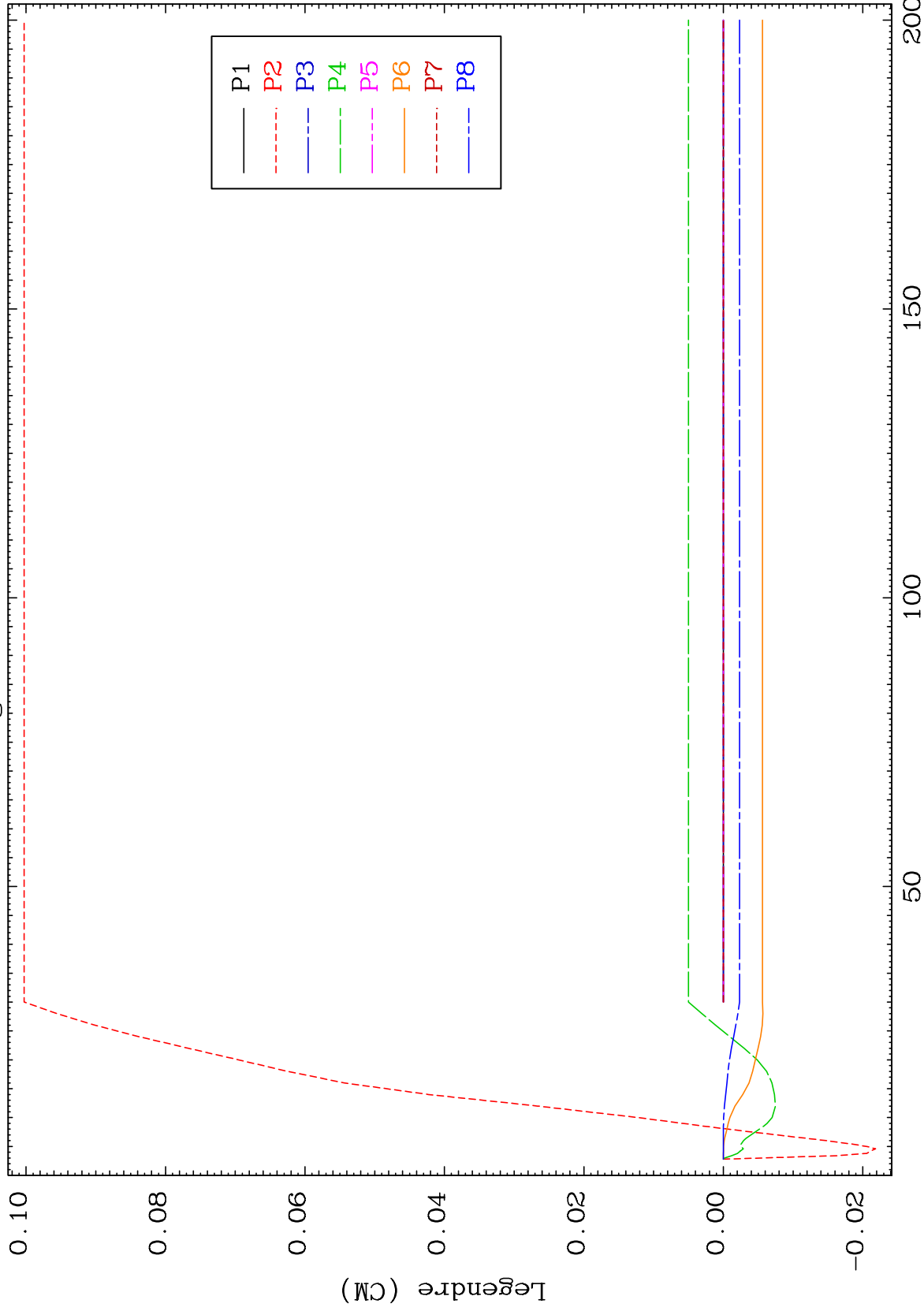


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MAT 2146

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

21-Sc-52



21-Sc-52

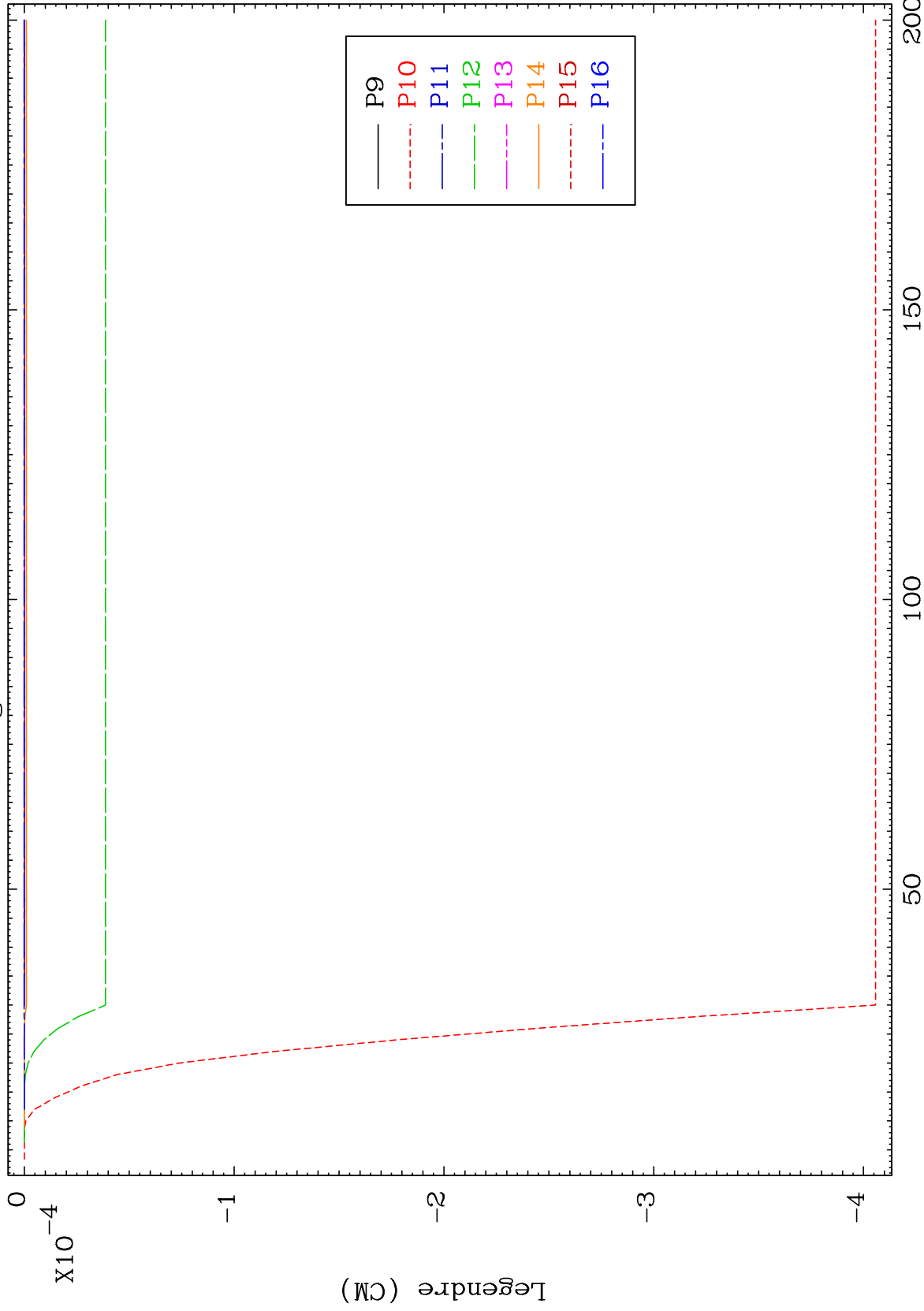
Incident Energy (MeV)

25

MAT 2146

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

21-Sc-52

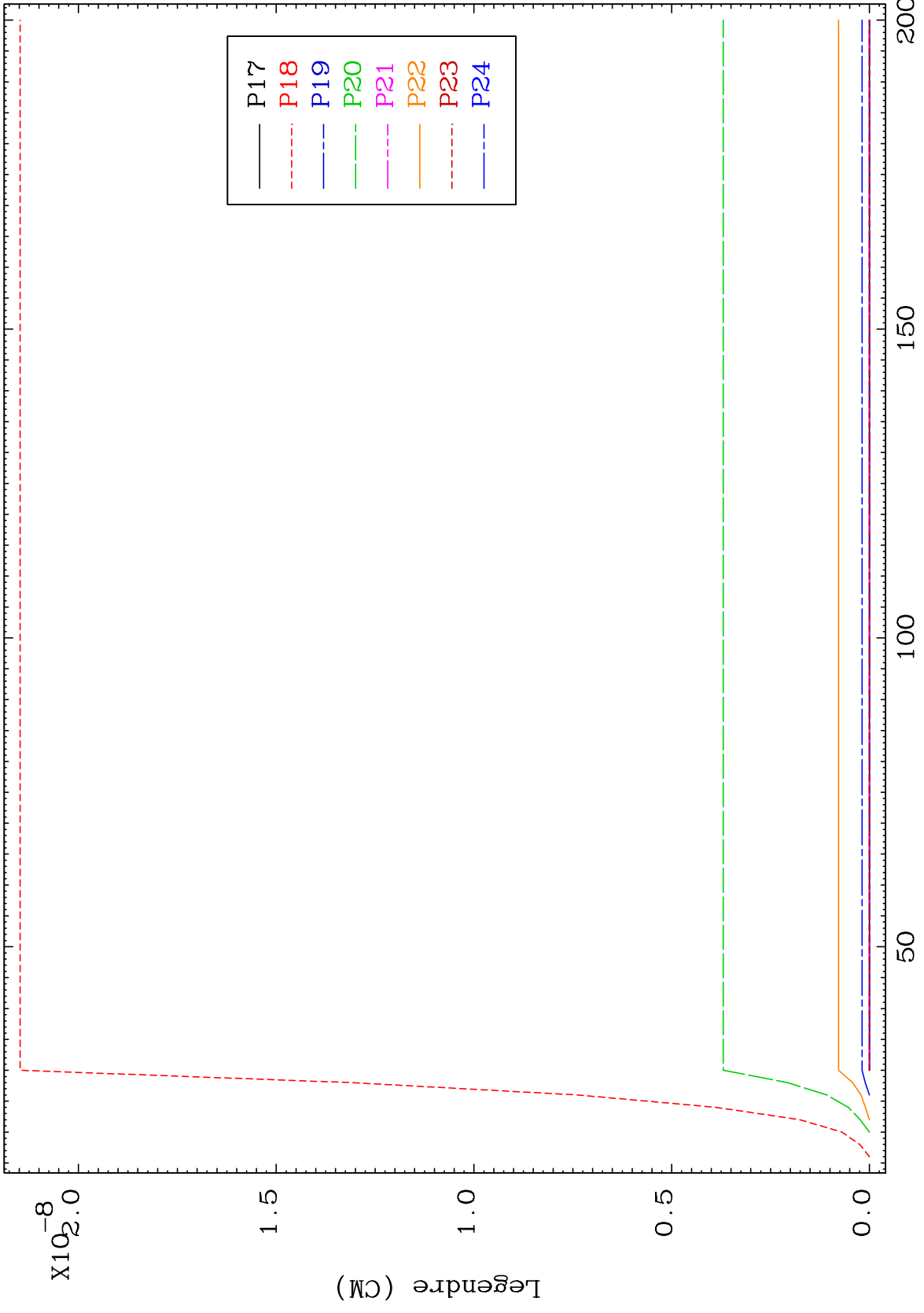


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Incident Energy (MeV)

21-Sc-52

MAT 2146 MT= 53 (n,n') Level Legendre Coefficients 21-Sc-52

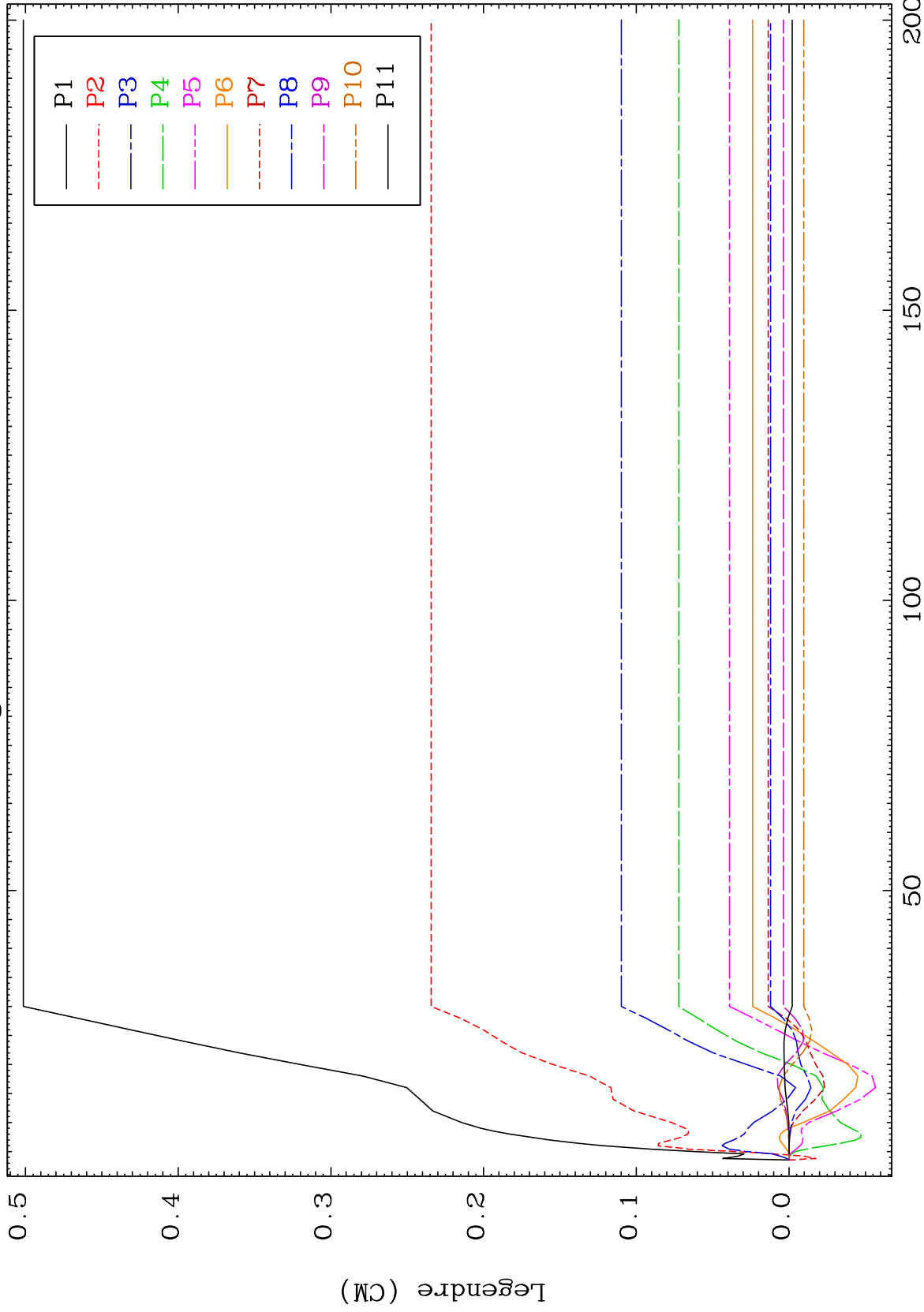


27 21-Sc-52

MAT 2146

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

21-Sc-52



28

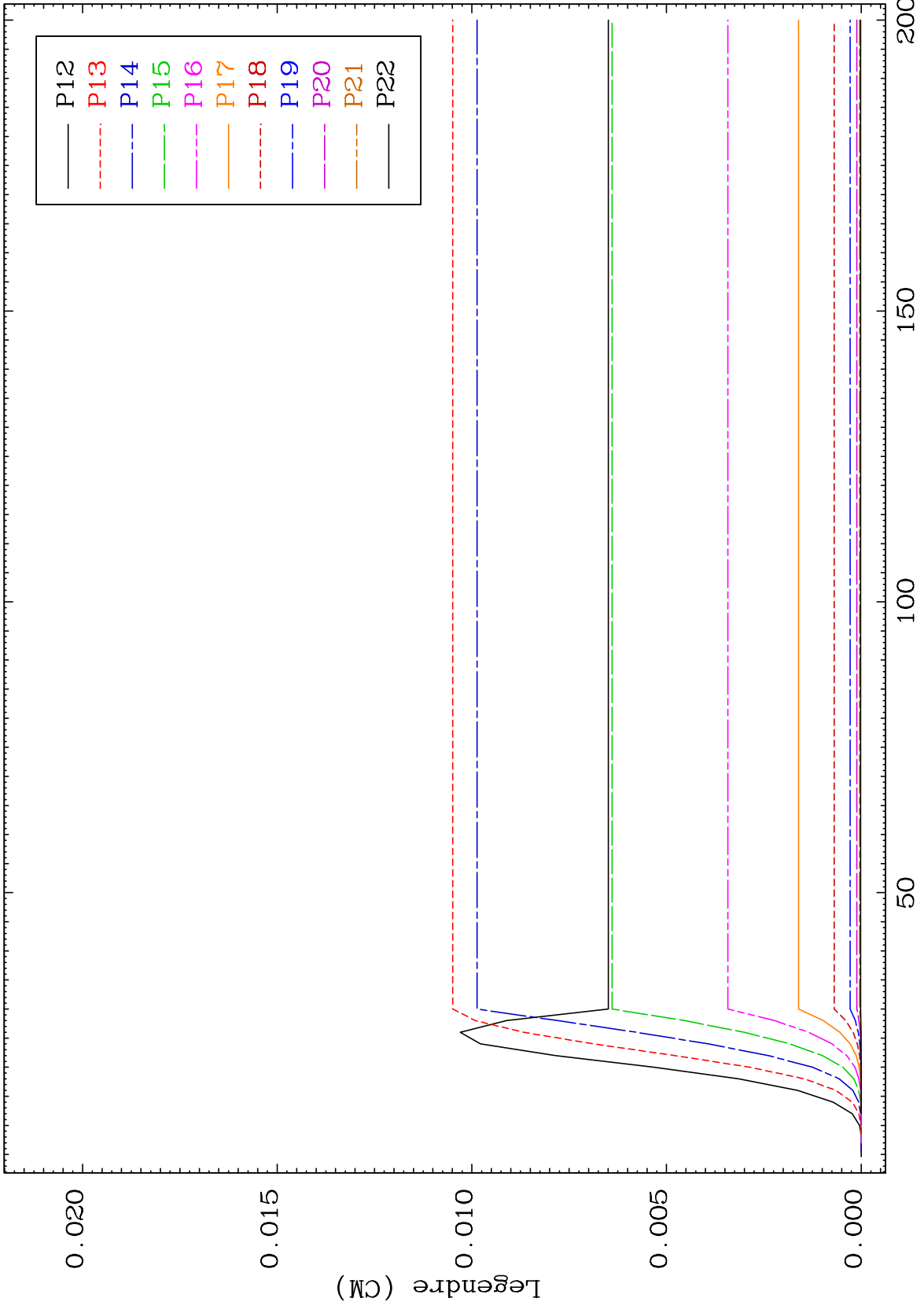
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



29

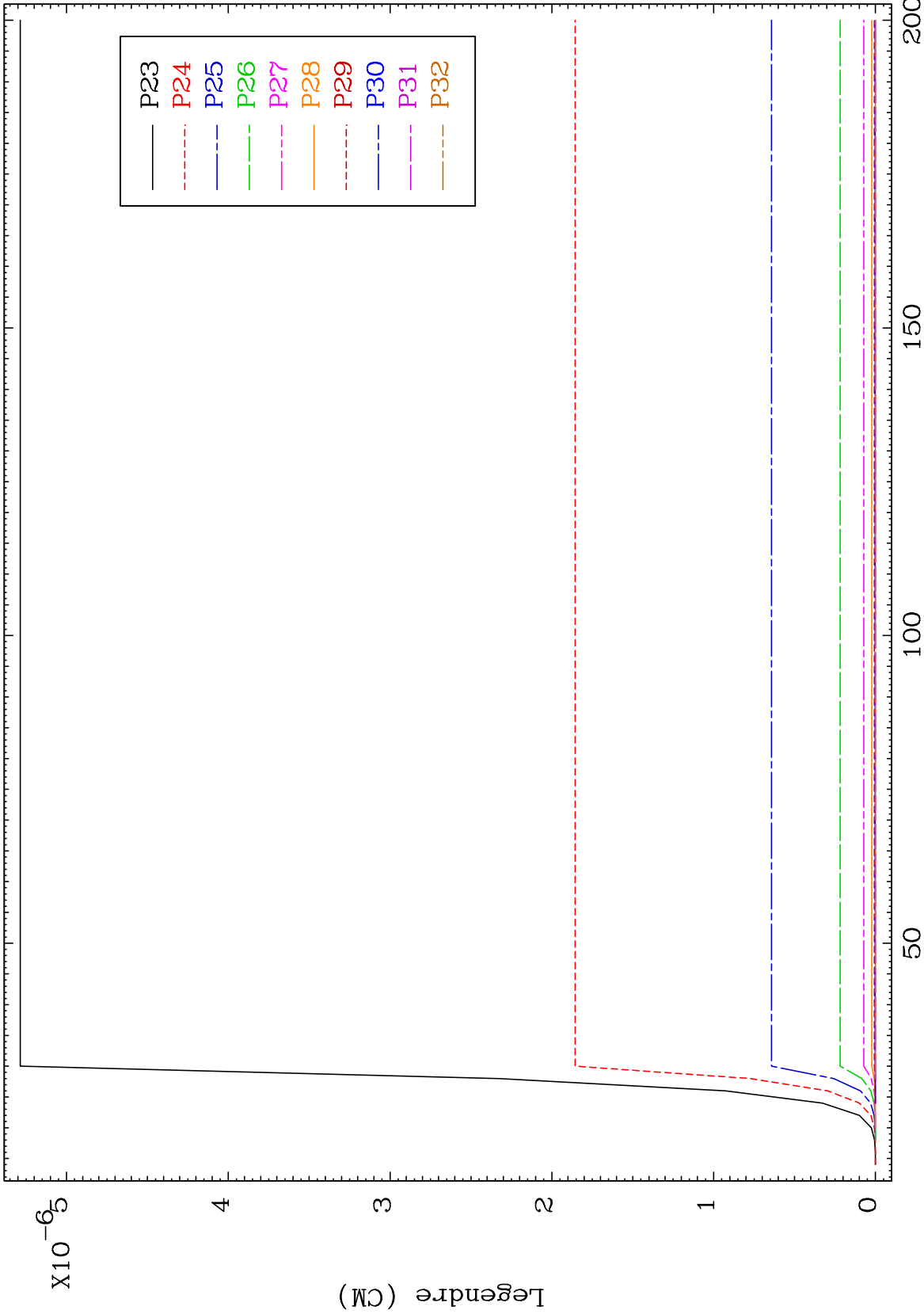
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



30

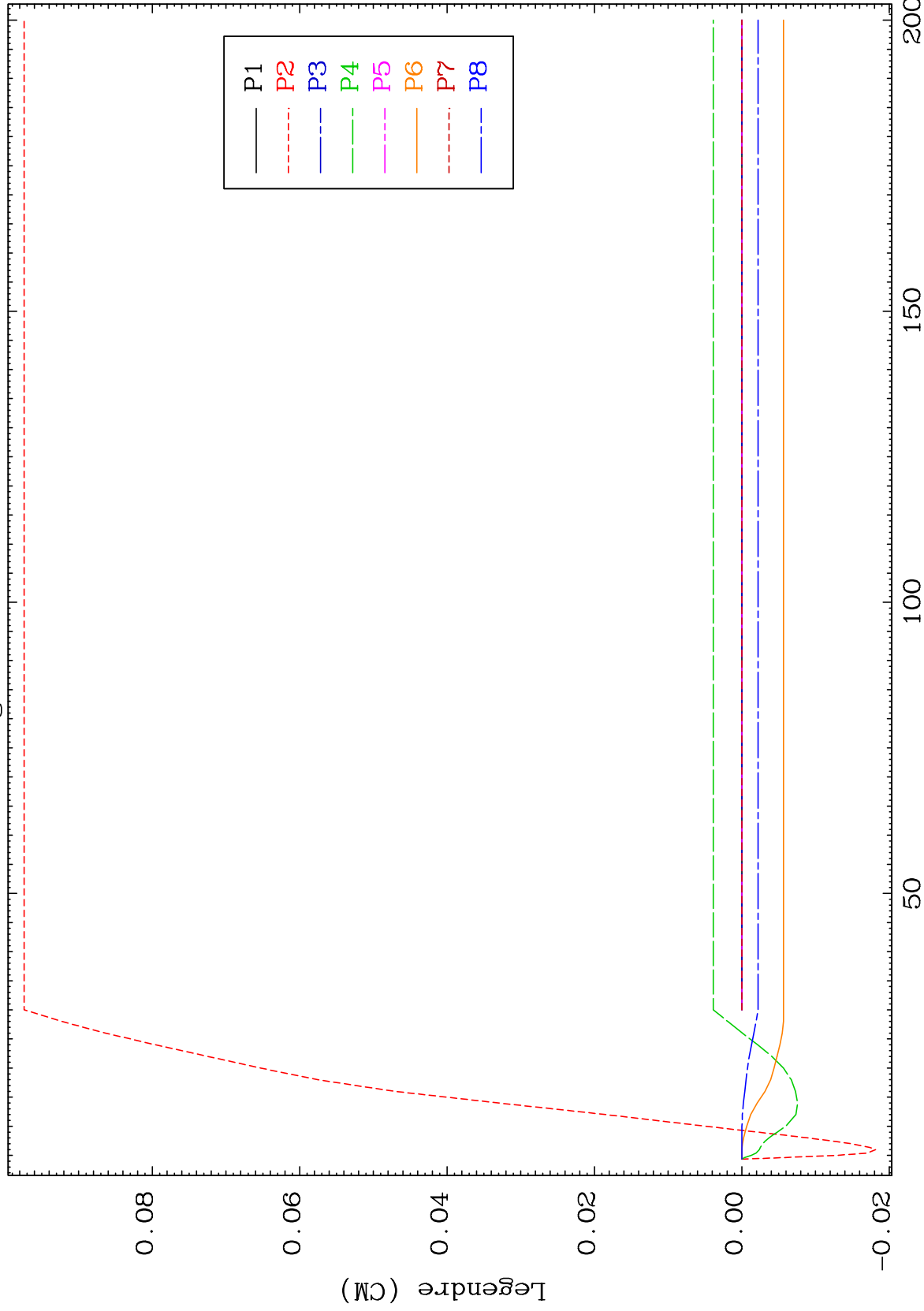
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52

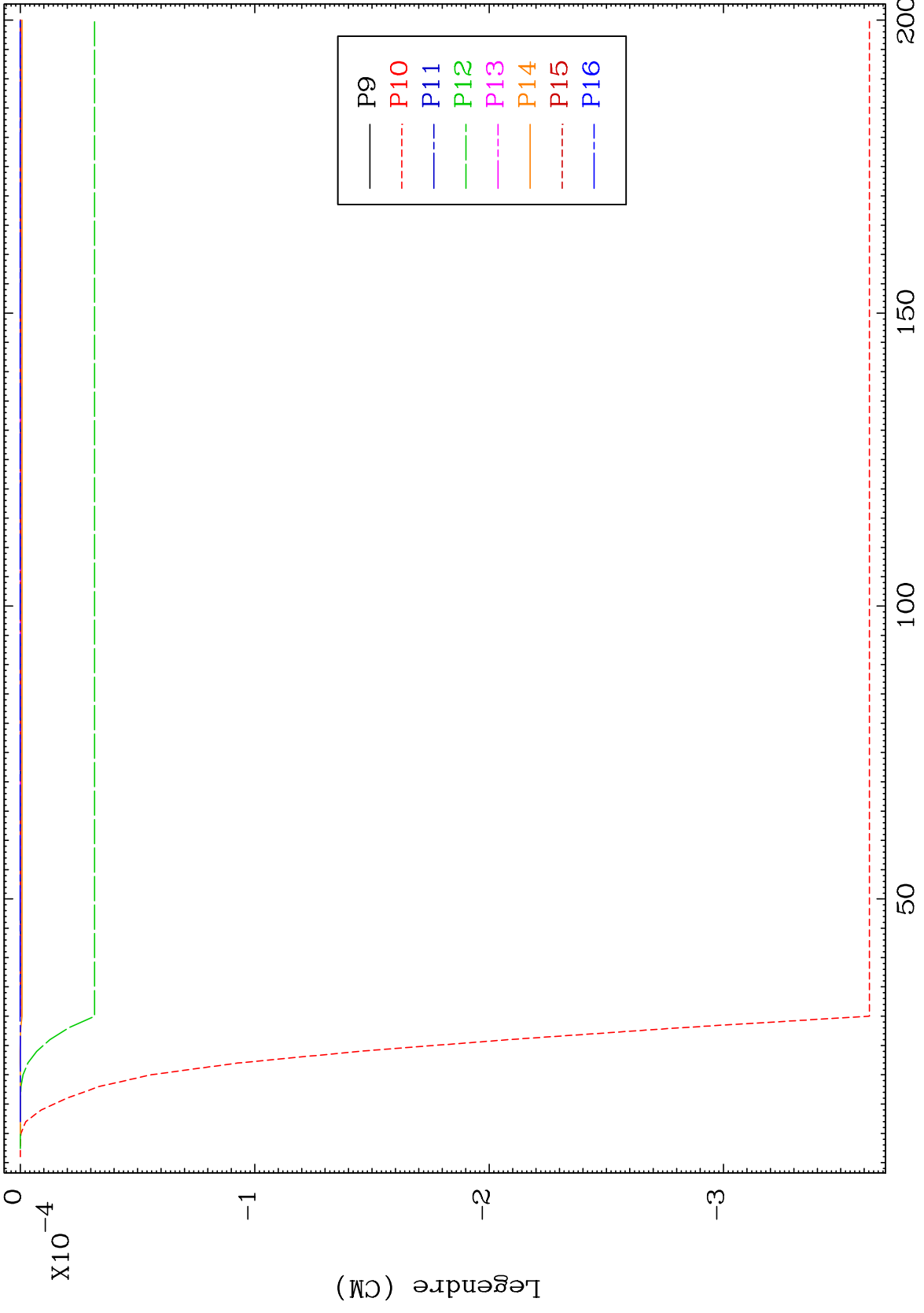


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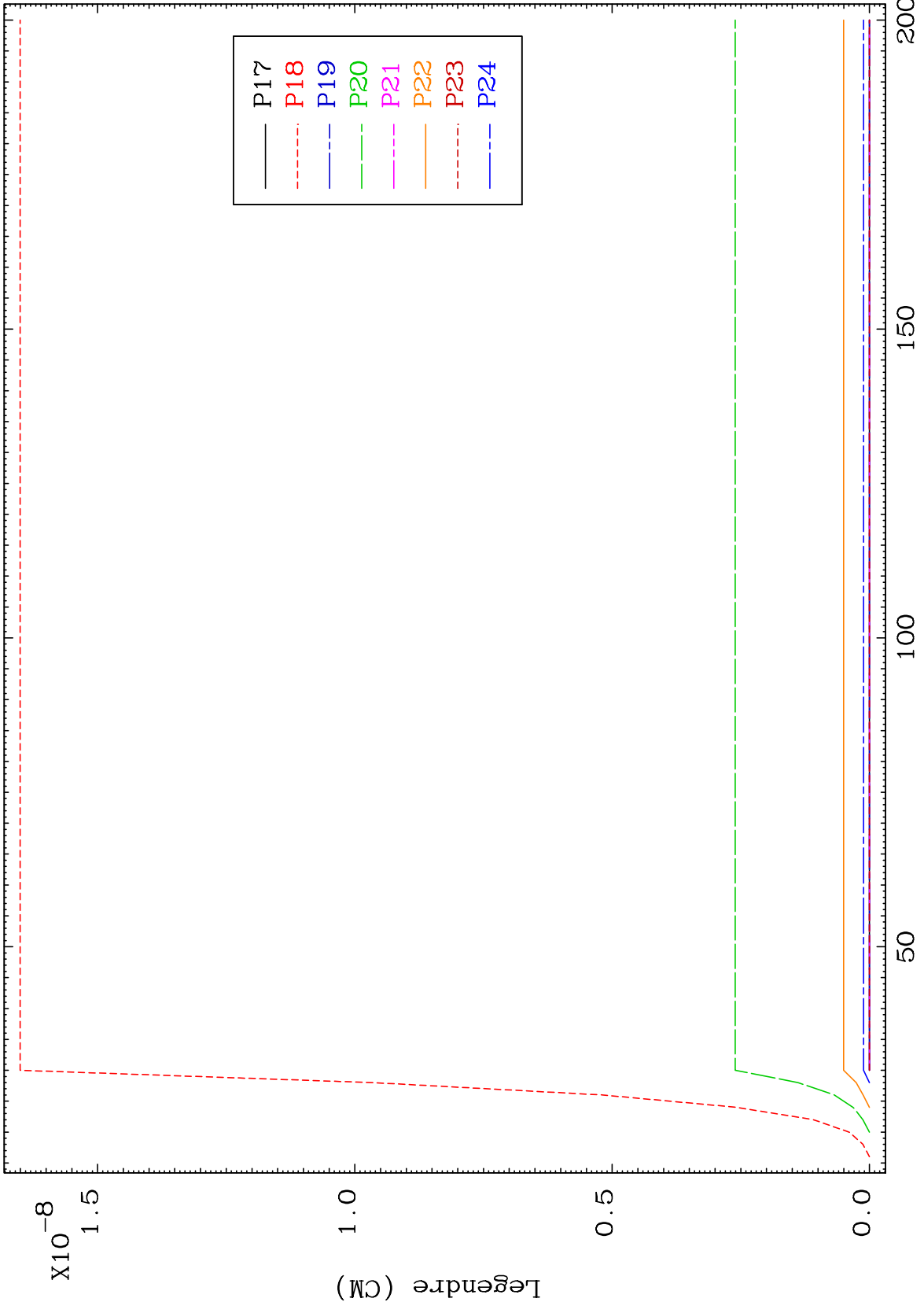
Incident Energy (MeV)

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MAT 2146 MT= 55 (n,n') Level Legendre Coefficients 21-Sc-52



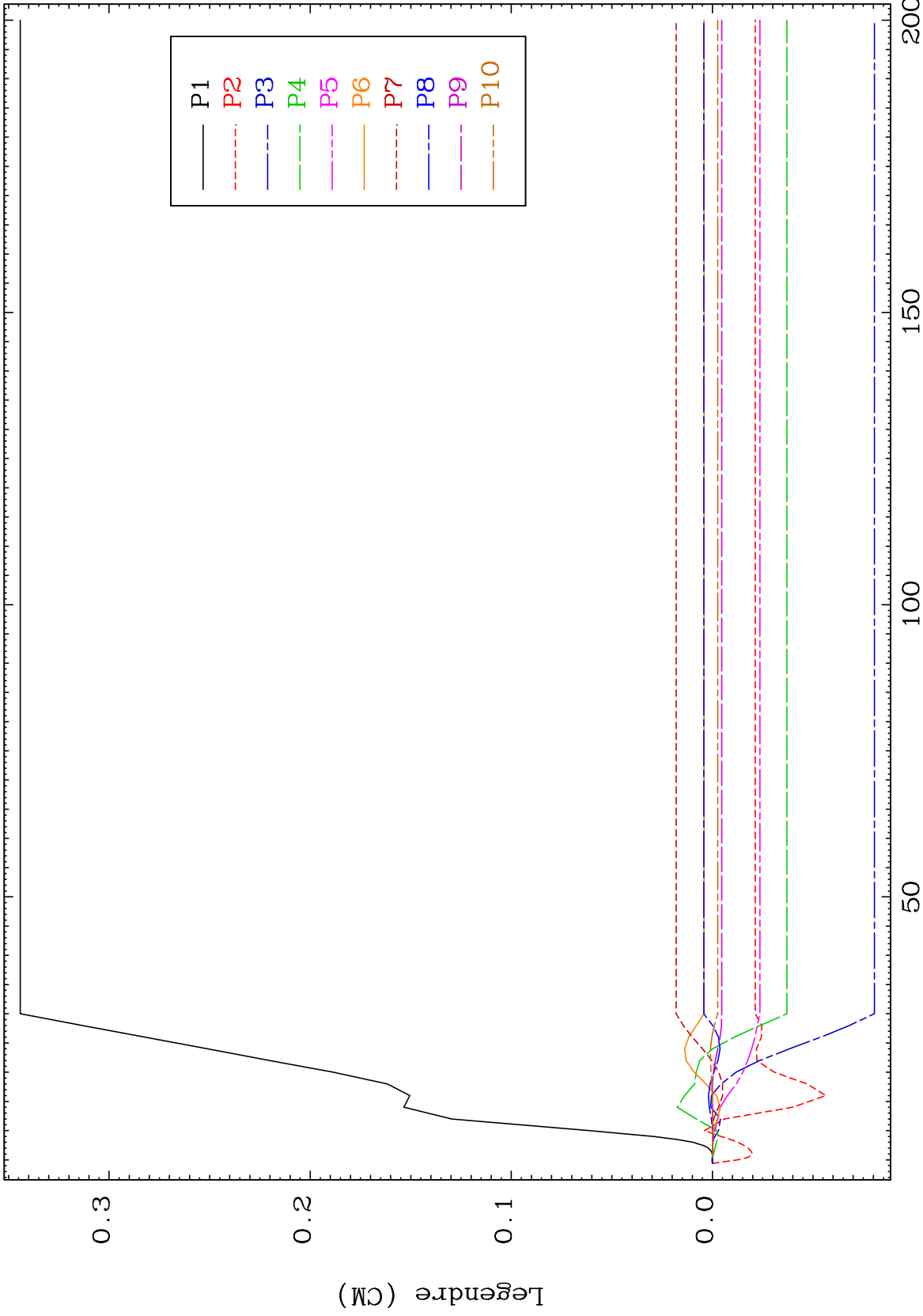
32 Incident Energy (MeV) 21-Sc-52



MAT 2146

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

21-Sc-52



34

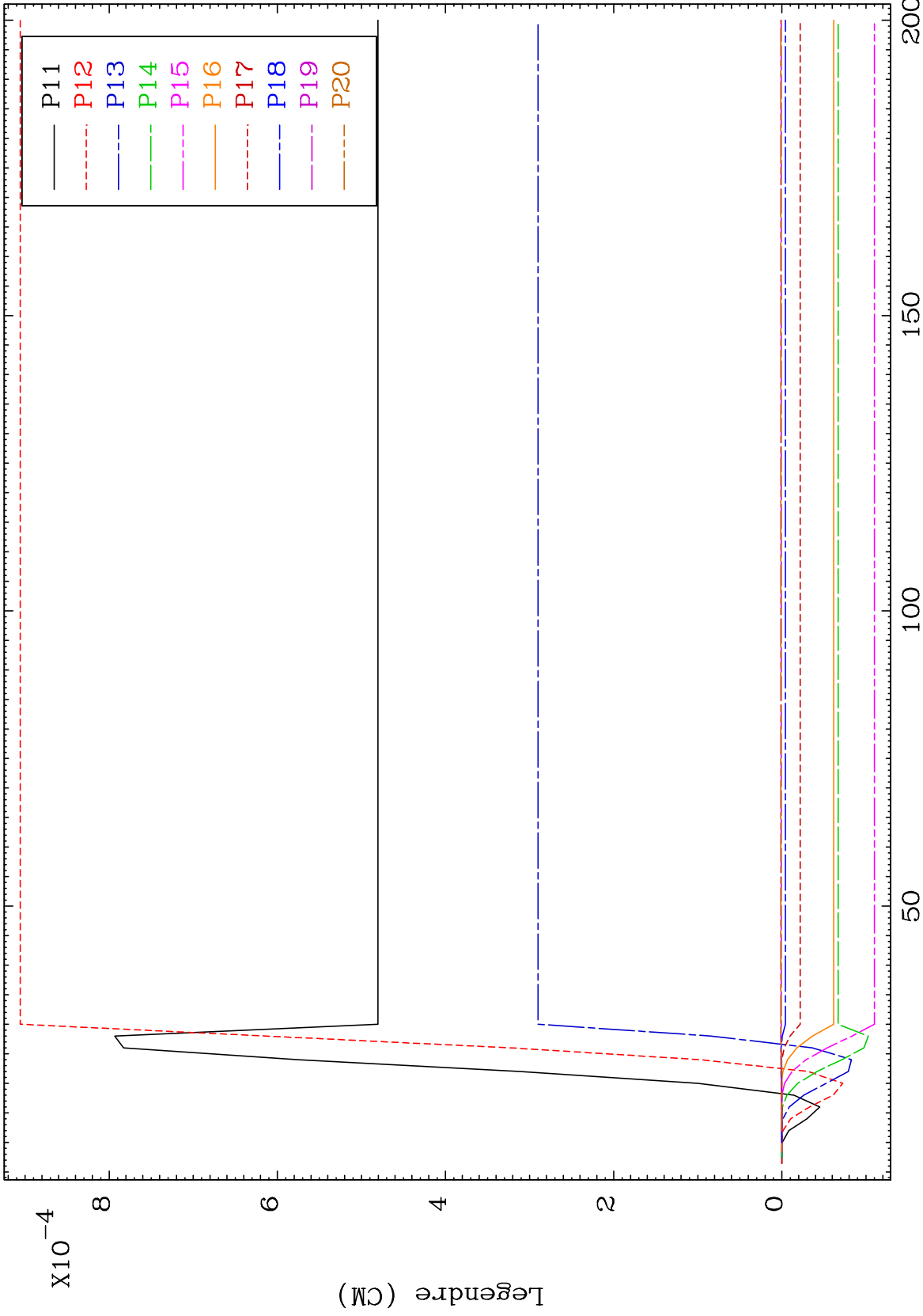
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



35

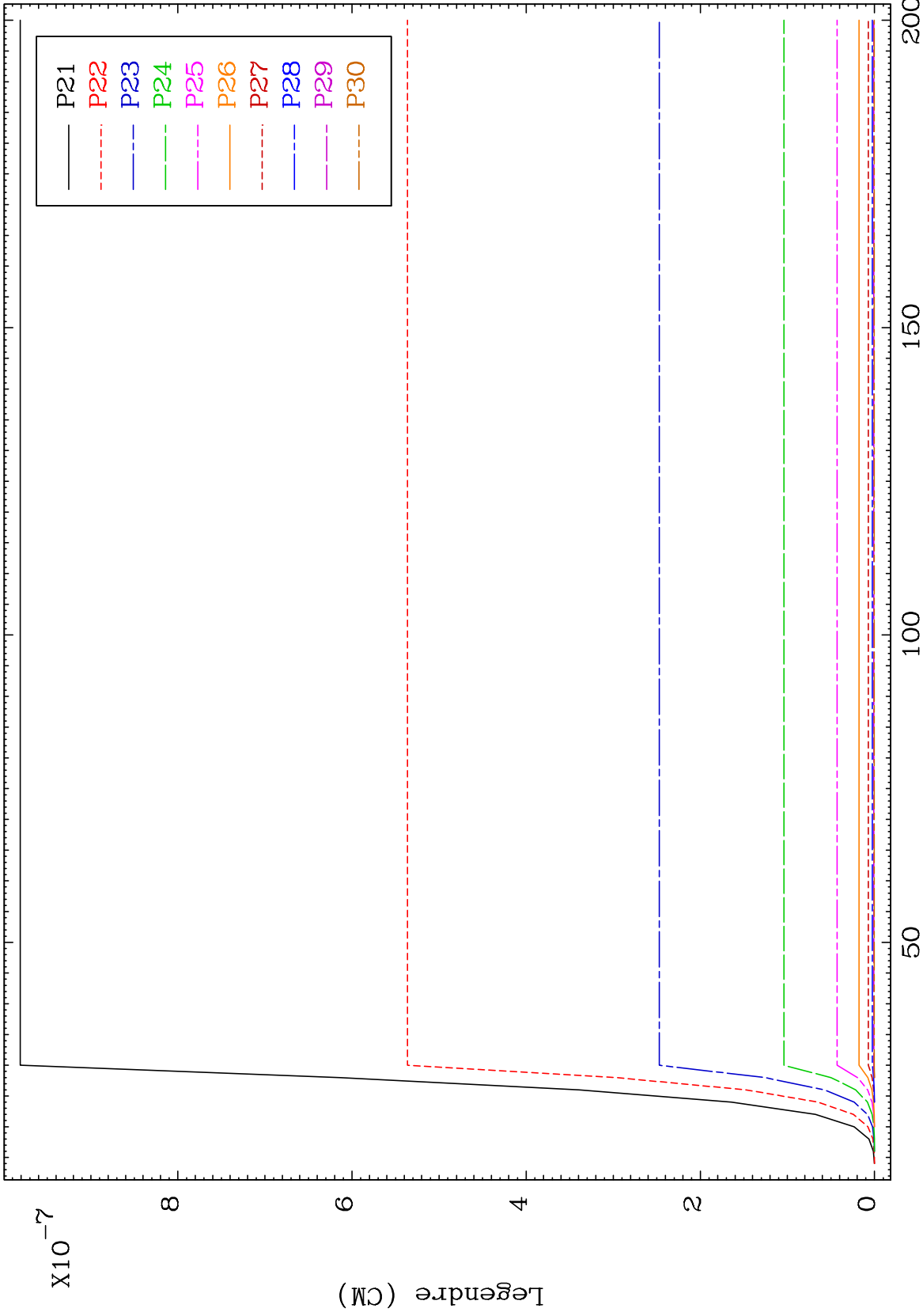
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



36

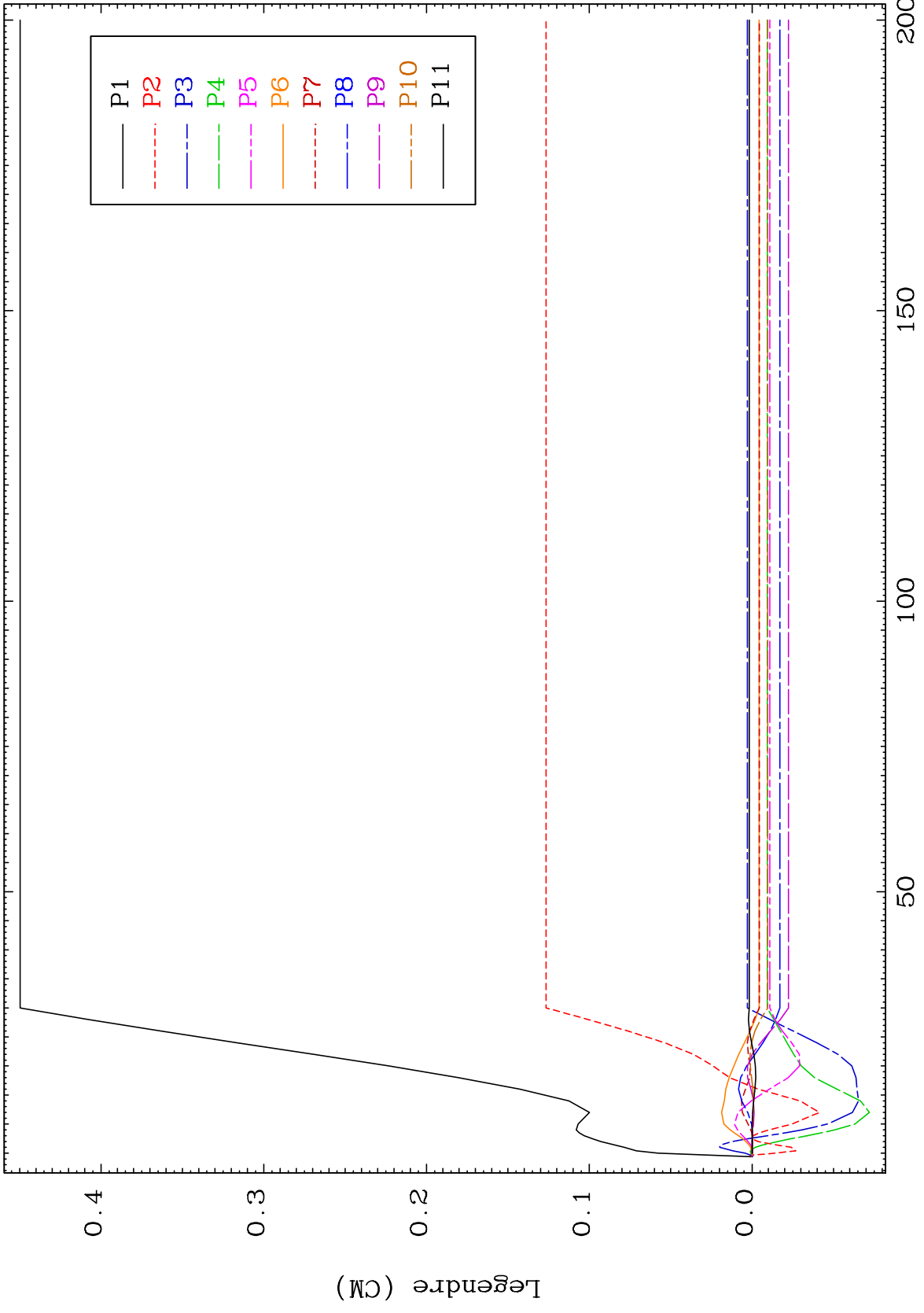
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

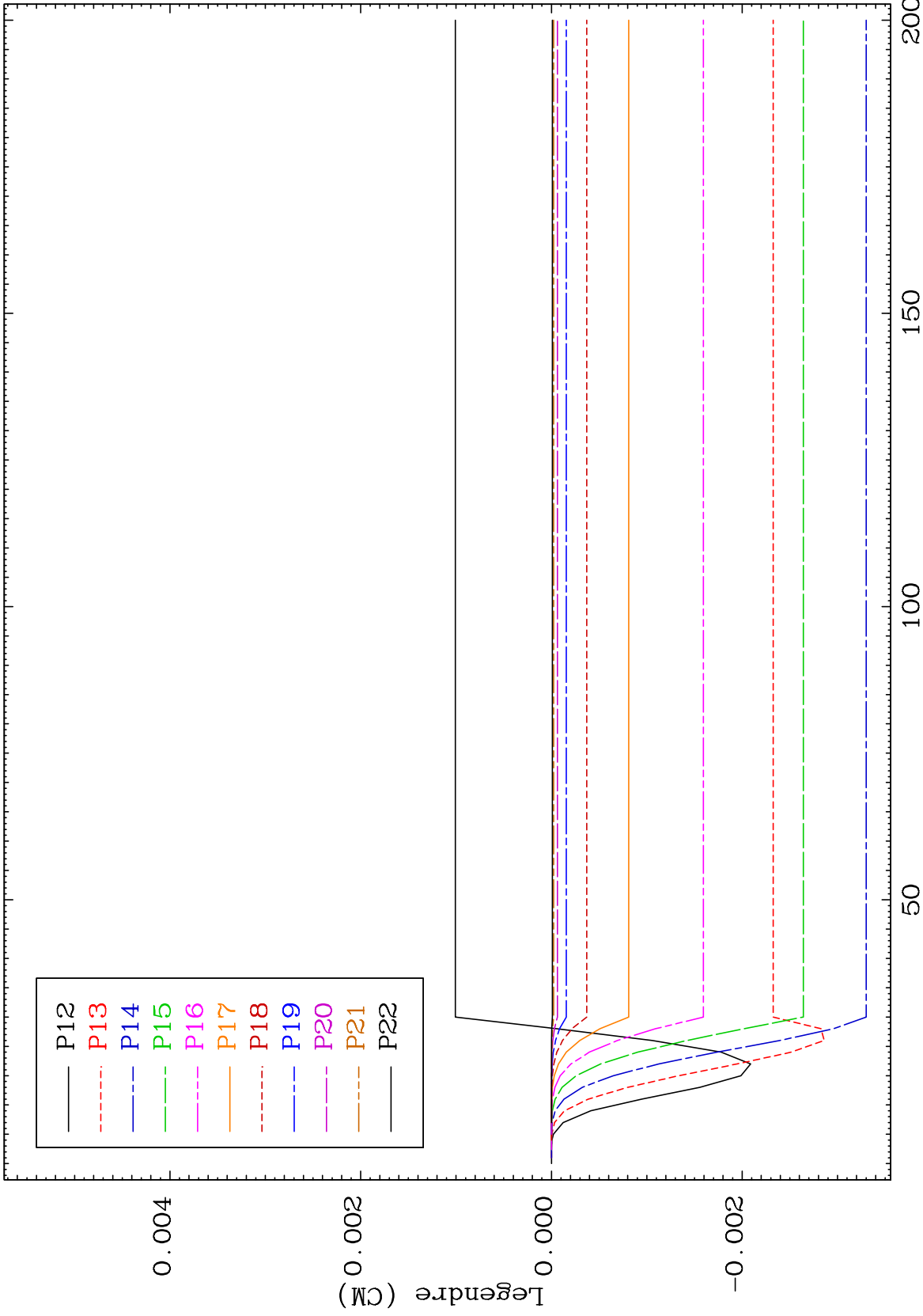
21-Sc-52



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Incident Energy (MeV)

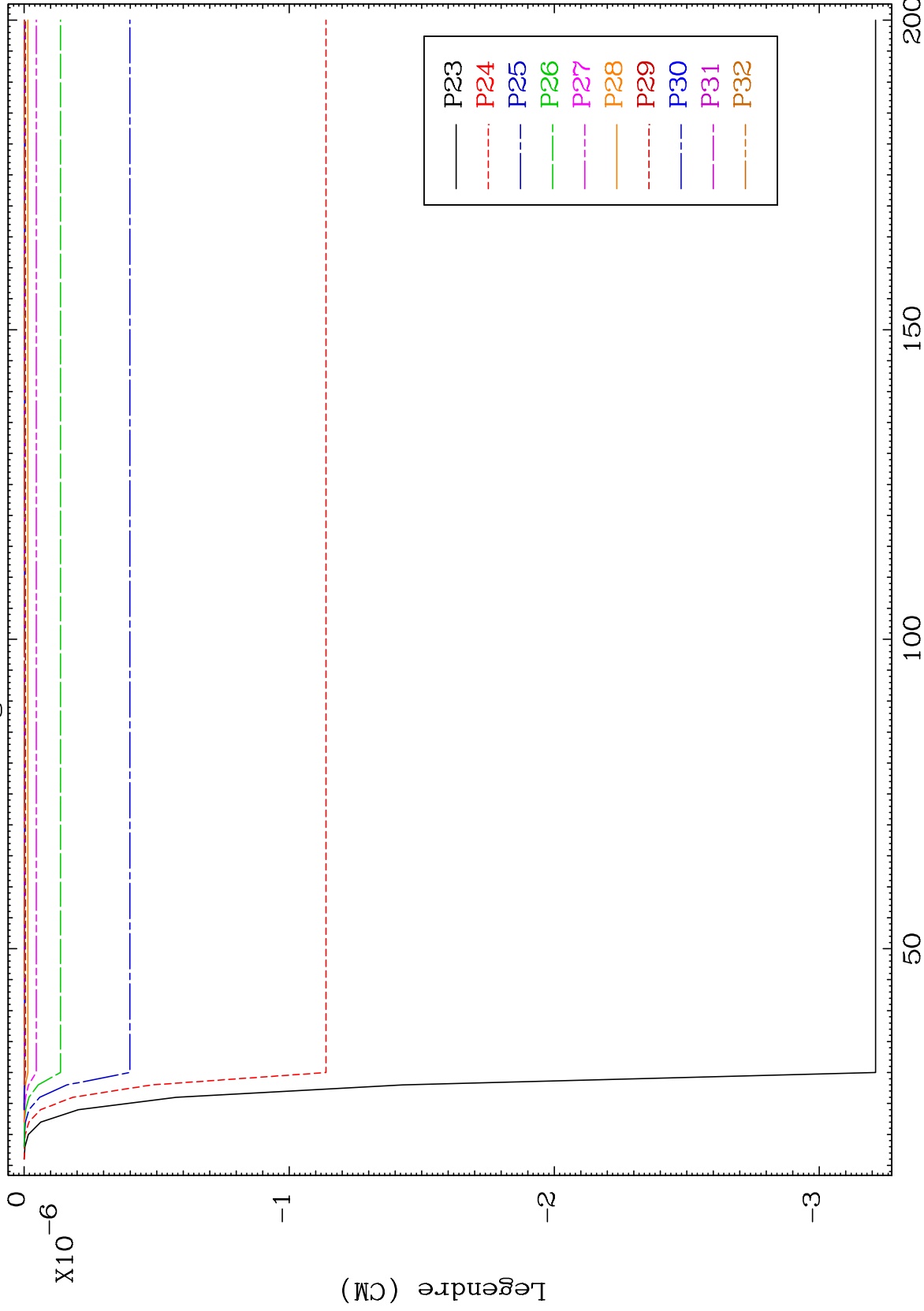
21-Sc-52



MAT 2146

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

21-Sc-52

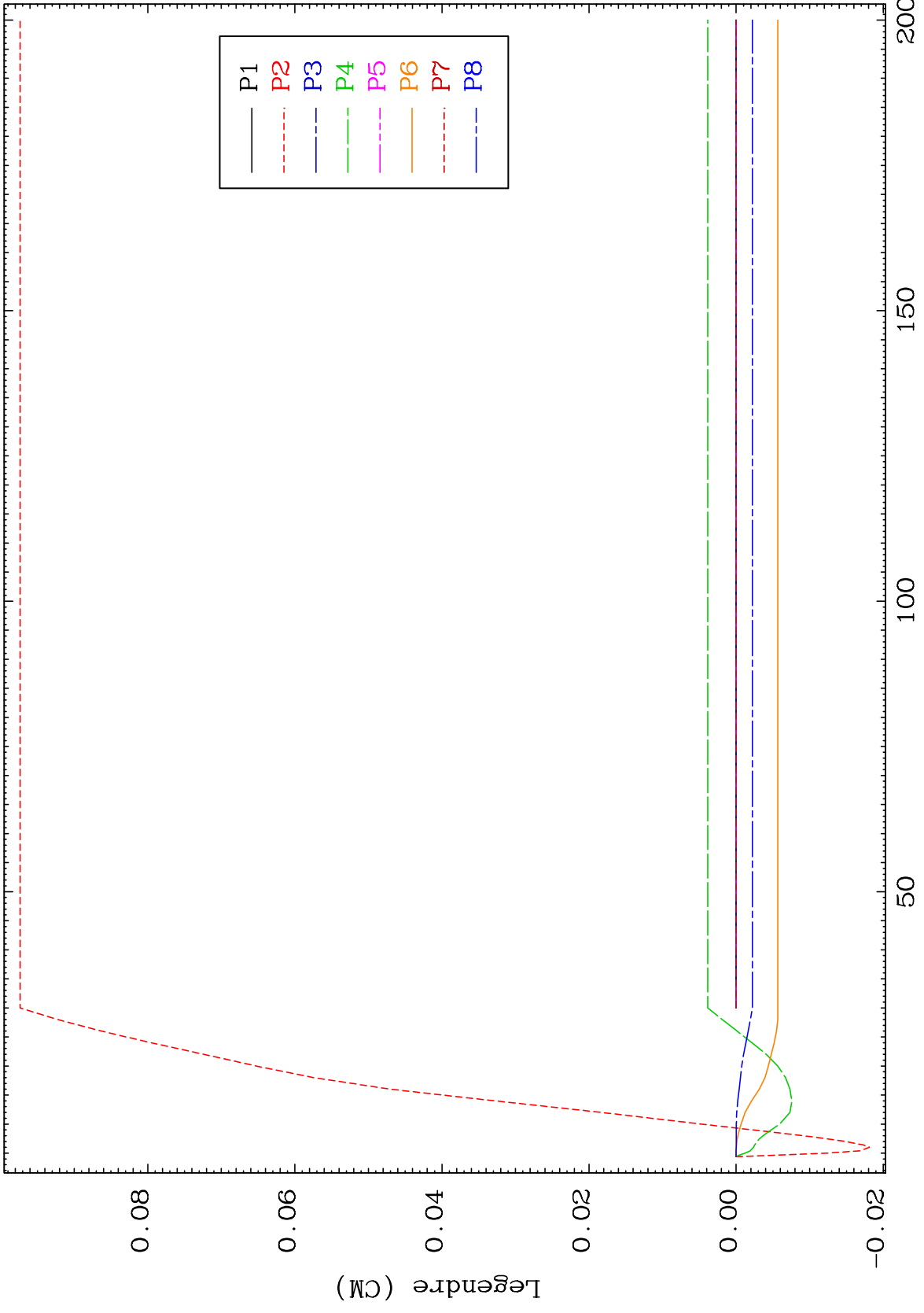


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Incident Energy (MeV)

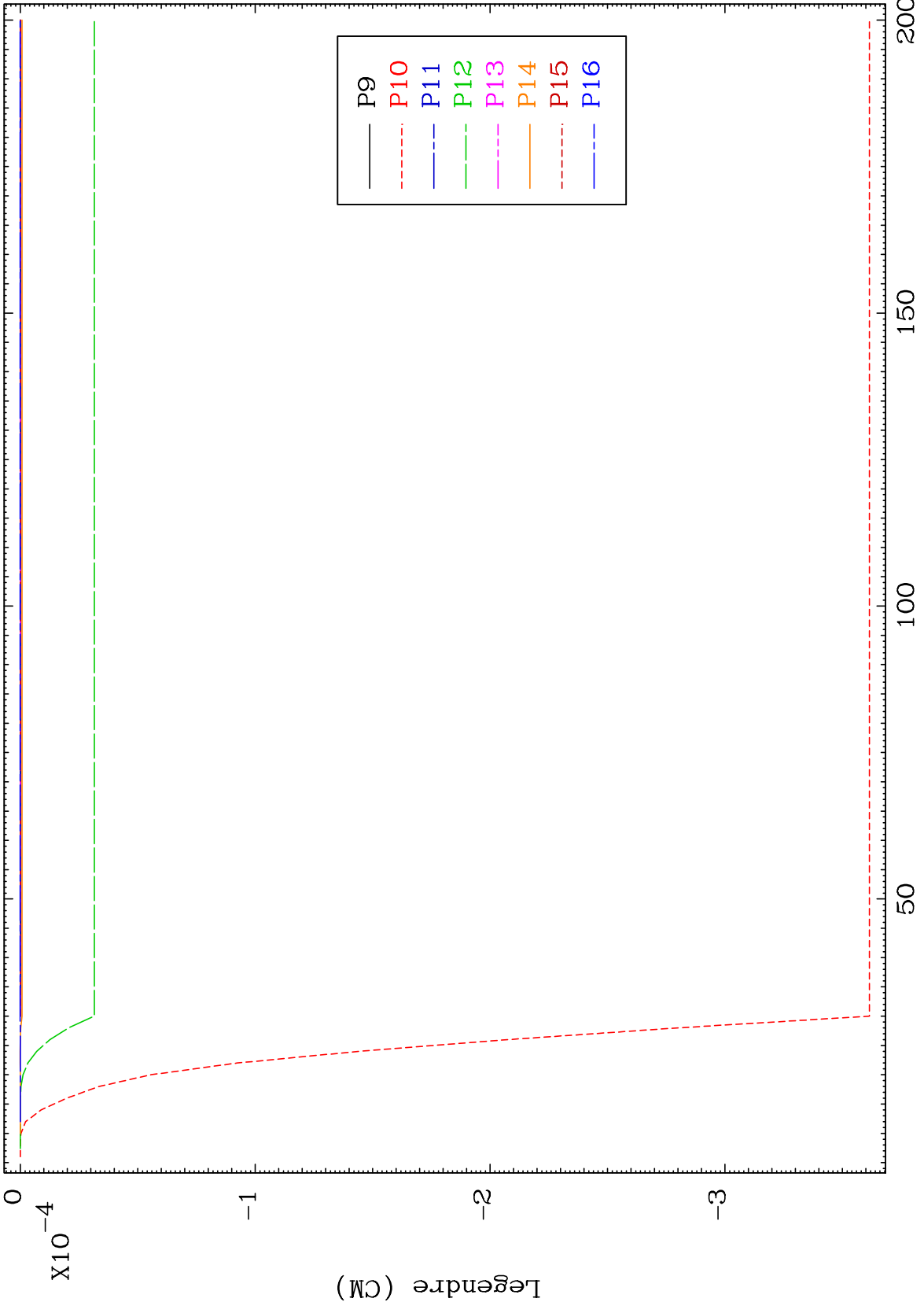
21-Sc-52

MAT 2146 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-52



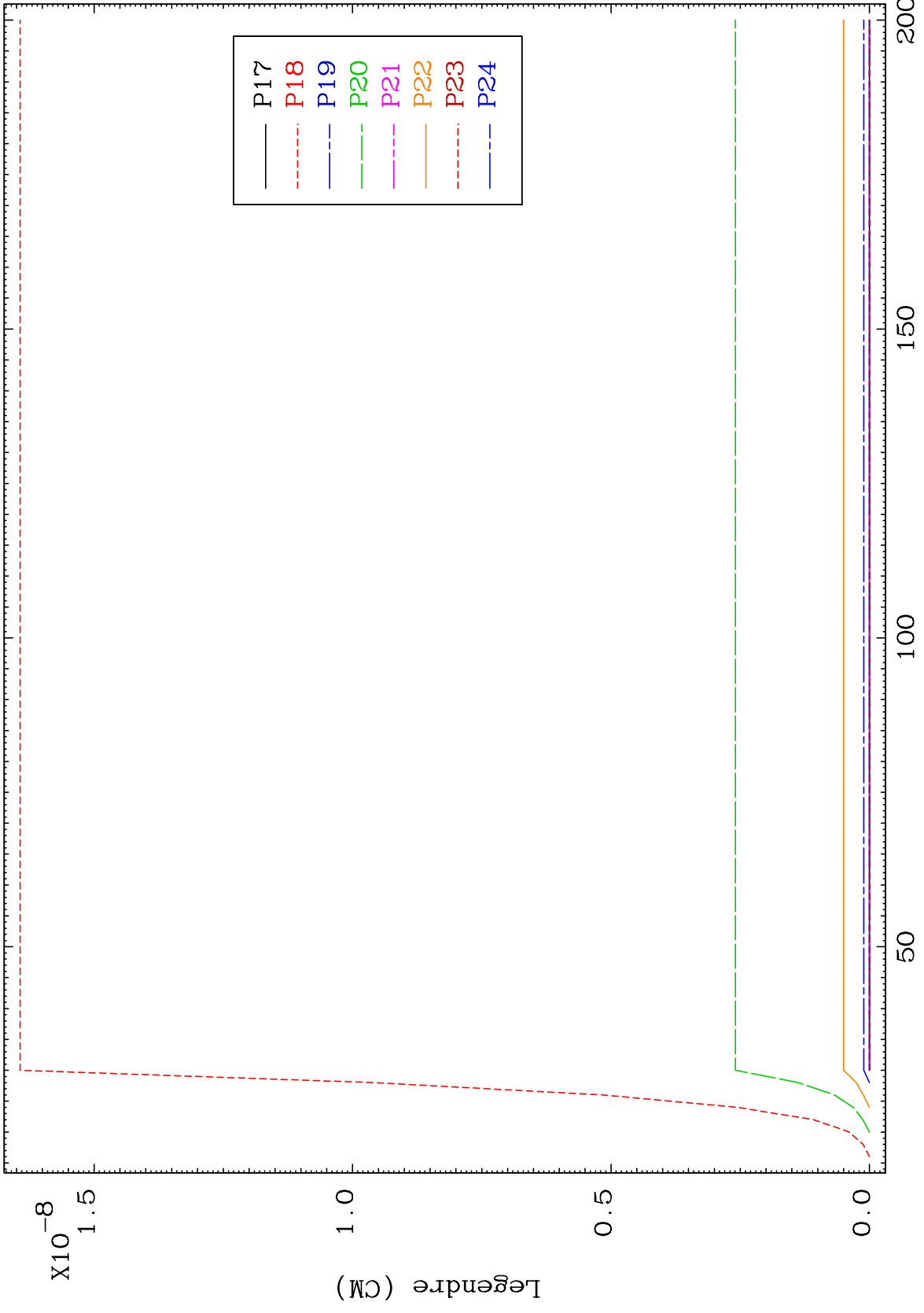
Legendre (CM) Incident Energy (MeV) 21-Sc-52

MAT 2146 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-52



41 Incident Energy (MeV) 21-Sc-52

MAT 2146 MT= 58 (n,n') Level Legendre Coefficients 21-Sc-52

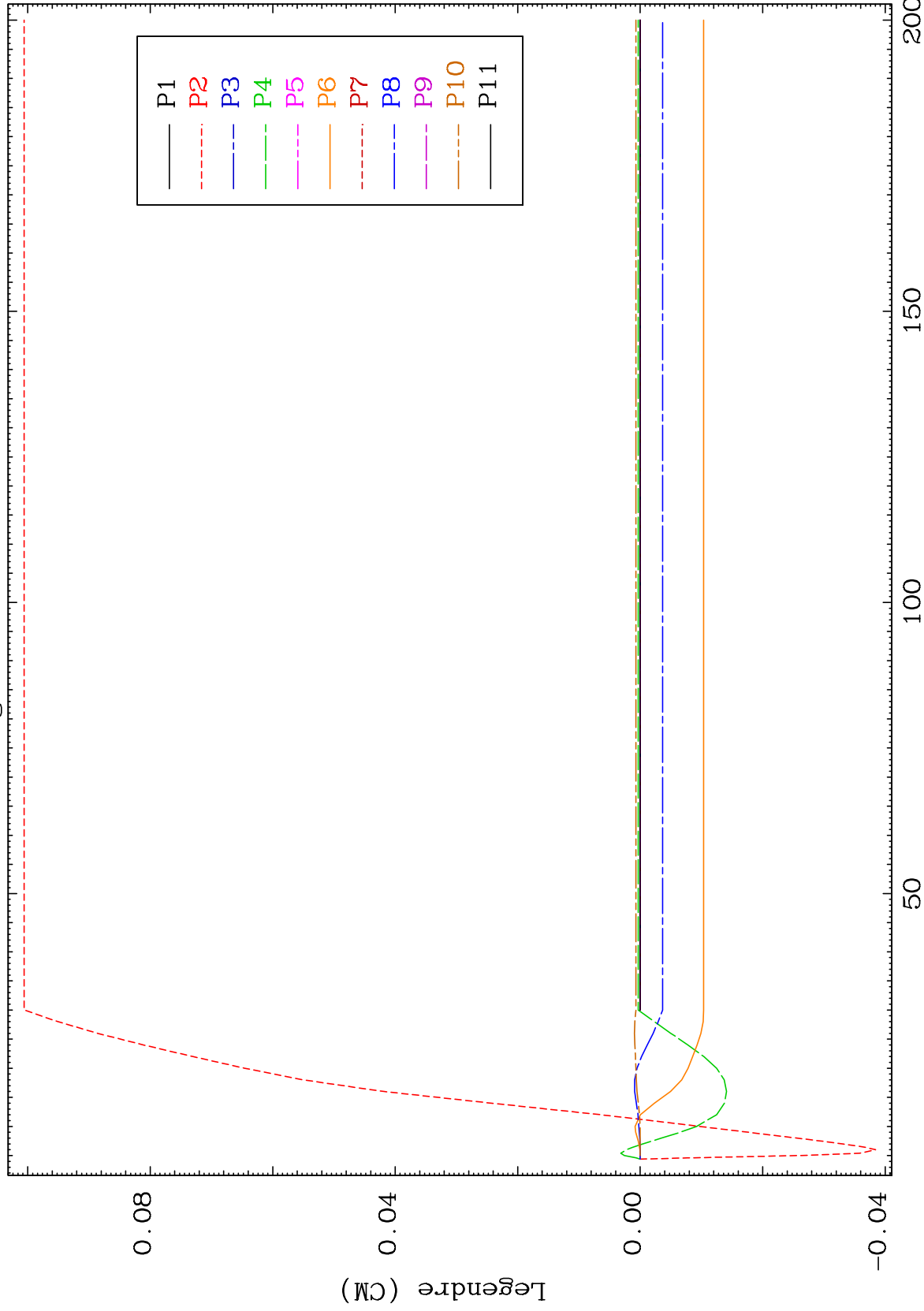


42 Incident Energy (MeV) 21-Sc-52

MAT 2146

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

21-Sc-52



43

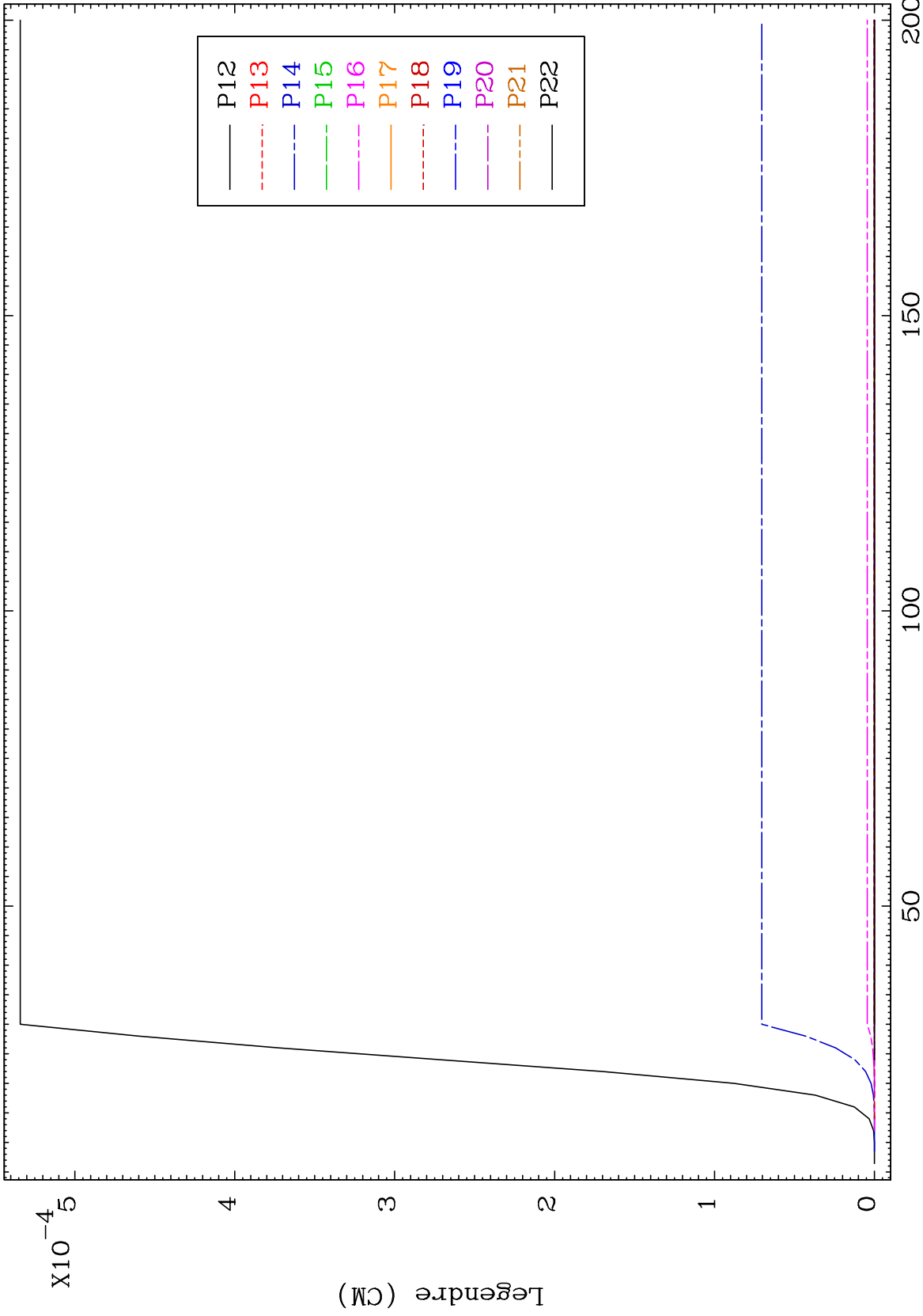
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



44

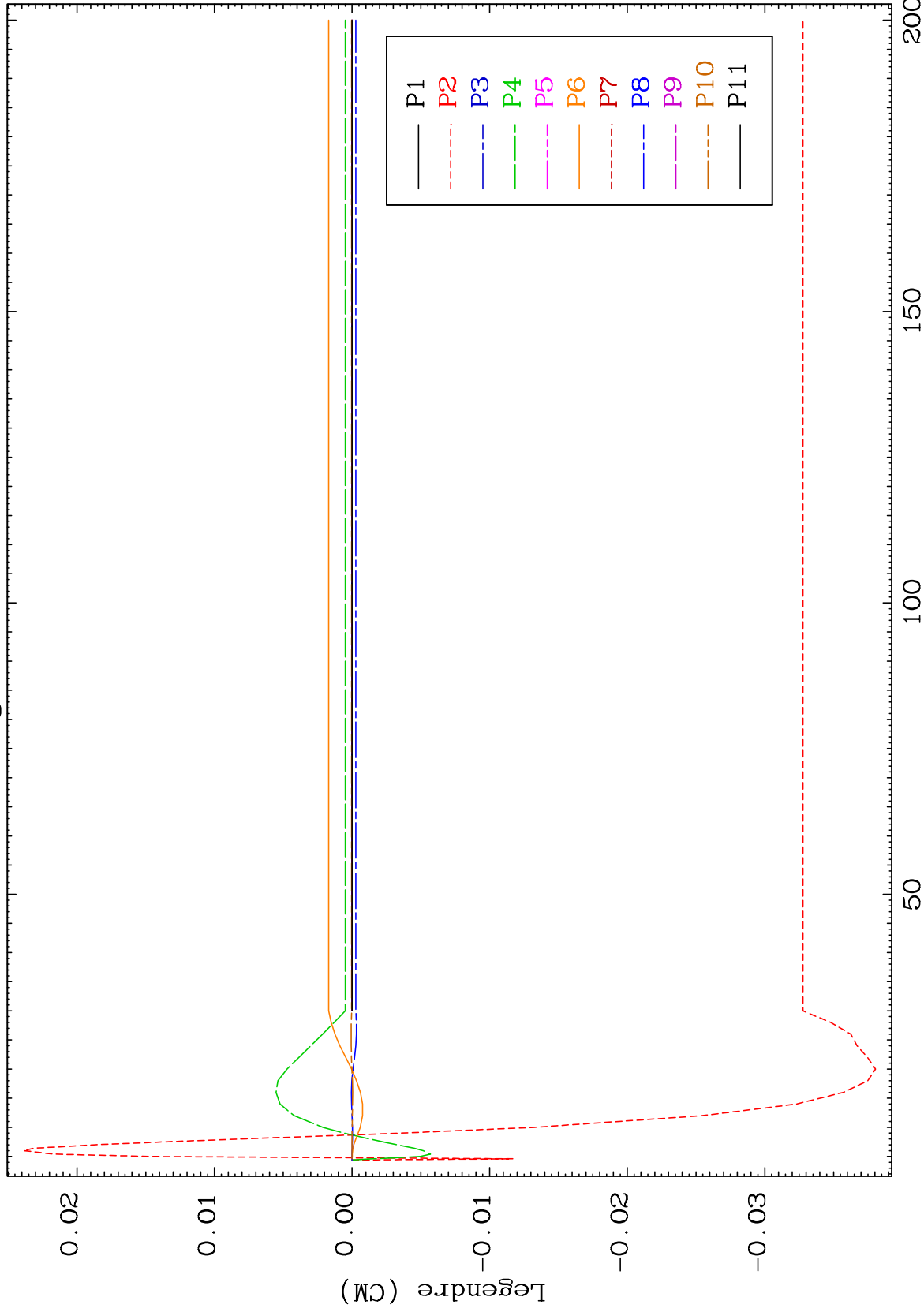
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



45

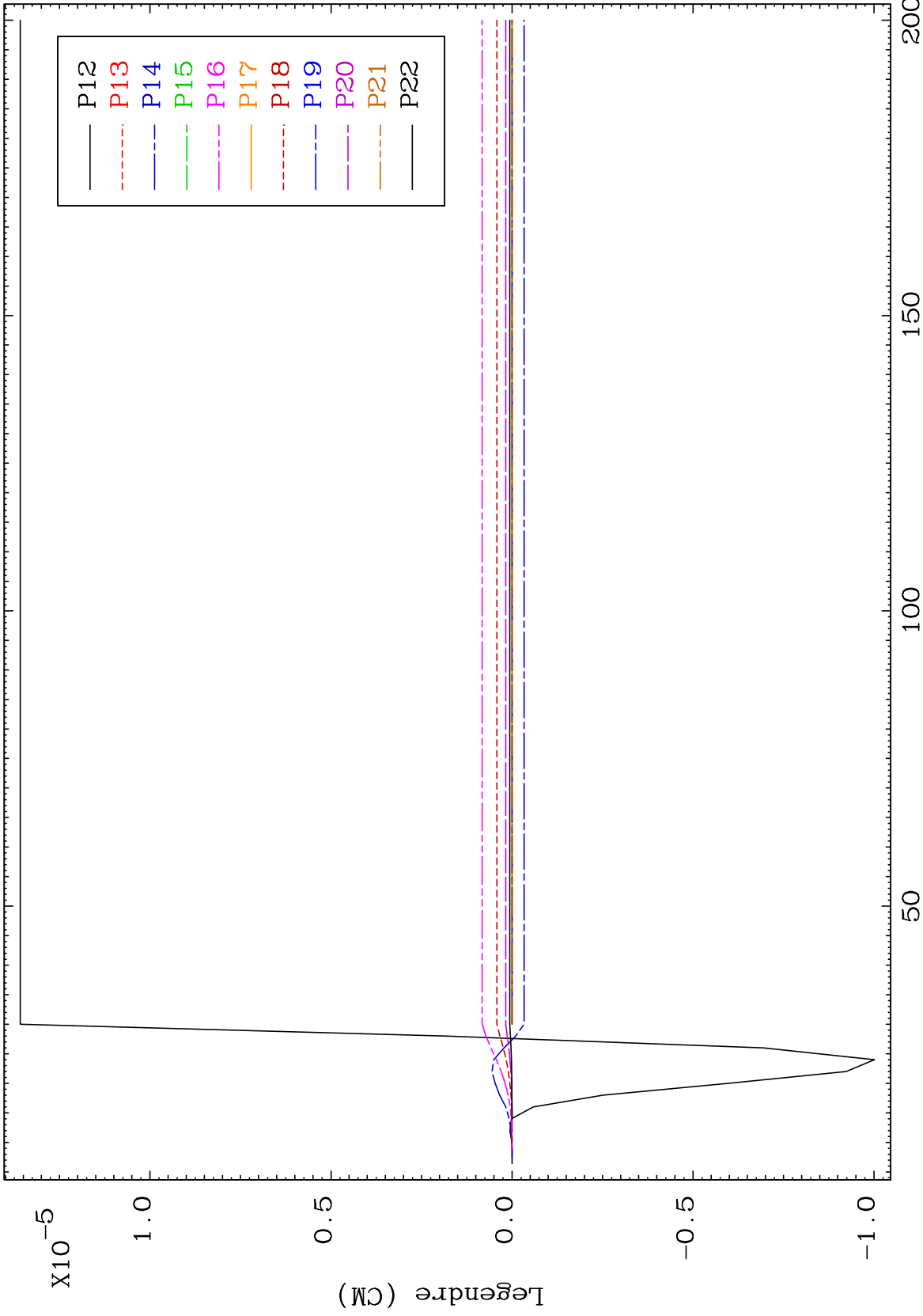
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52

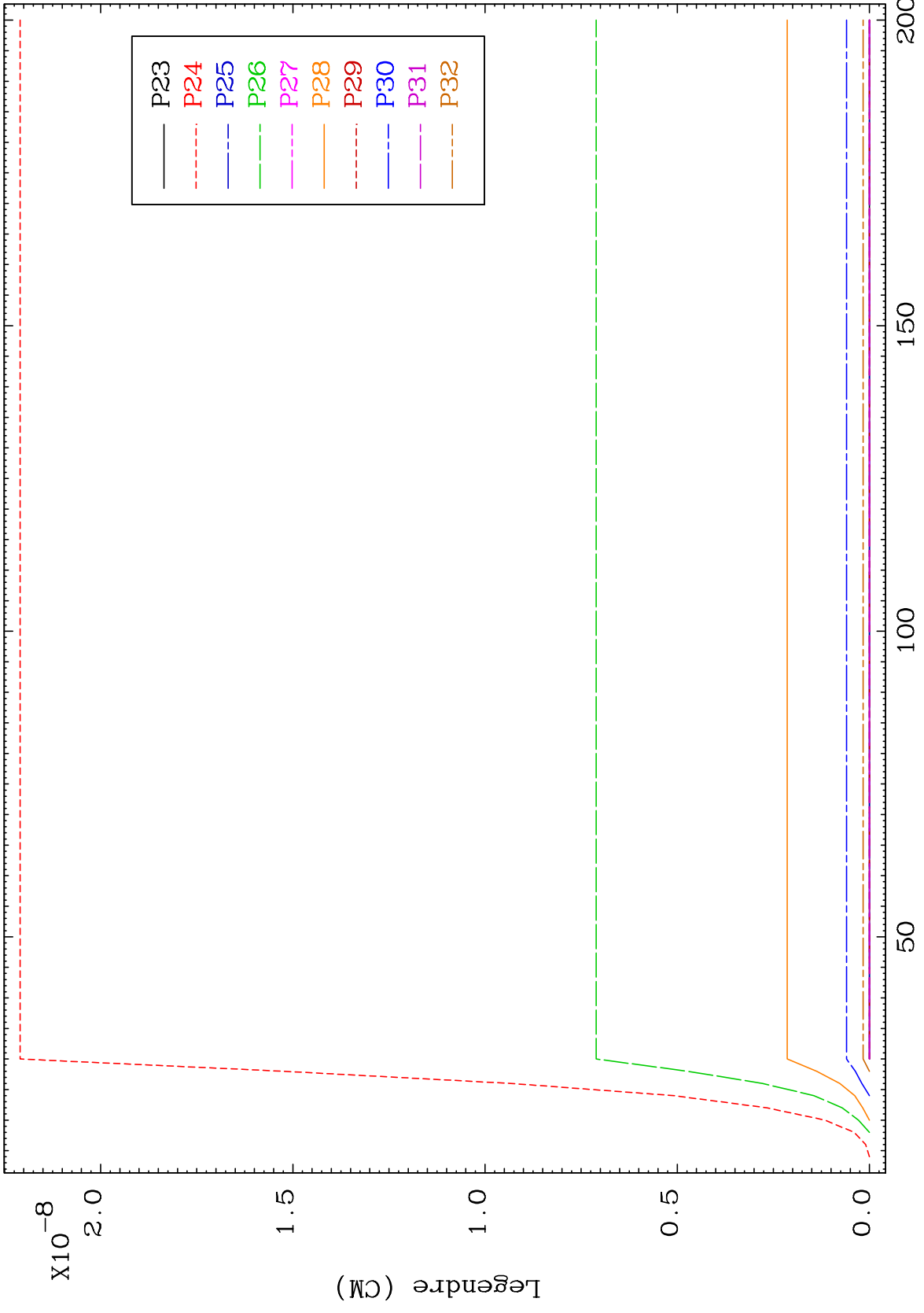


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Incident Energy (MeV)

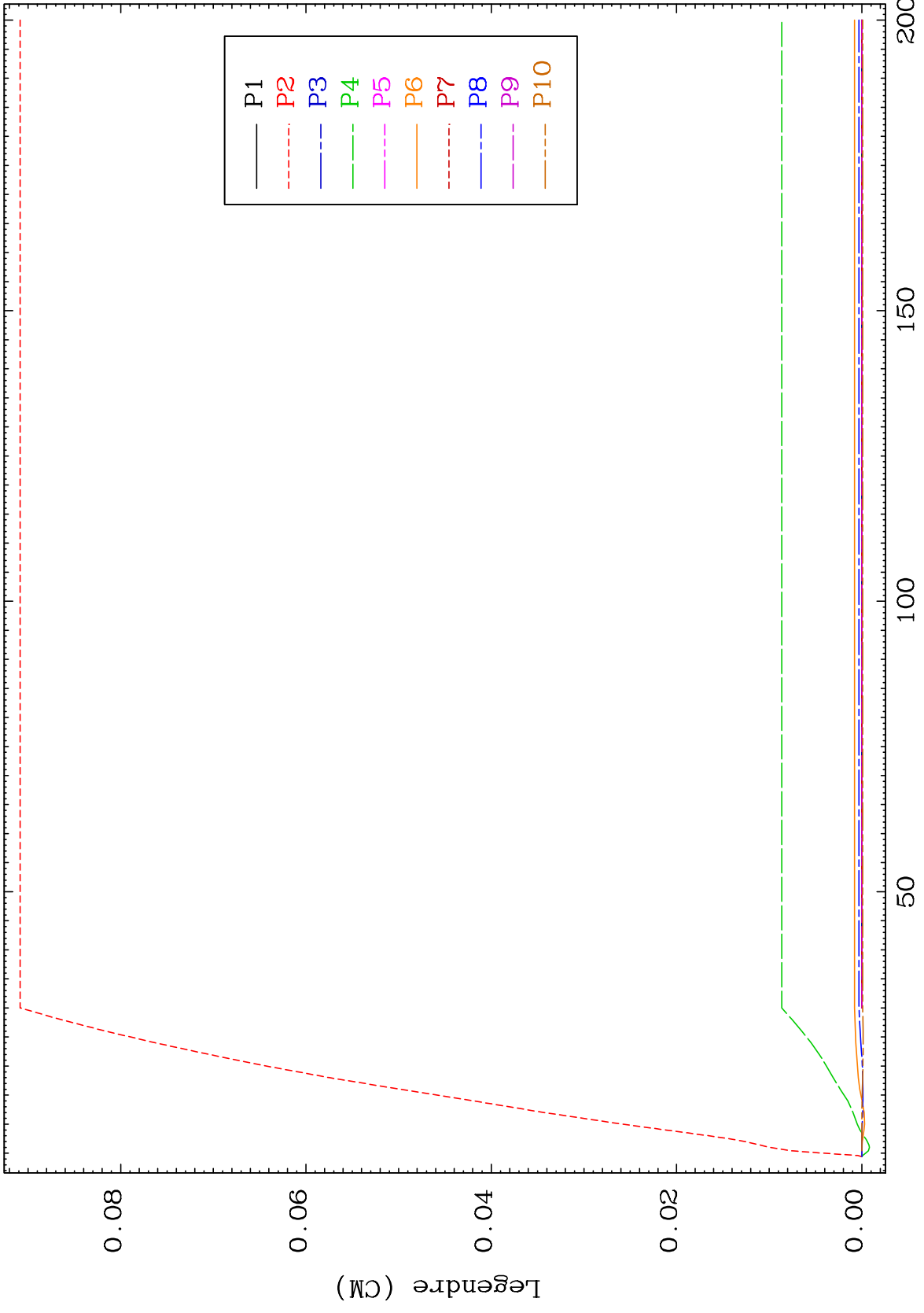
21-Sc-52

MAT 2146 MT= 60 (n,n') Level Legendre Coefficients 21-Sc-52



47 21-Sc-52

MAT 2146 MT= 61 (n,n') Level Legendre Coefficients 21-Sc-52

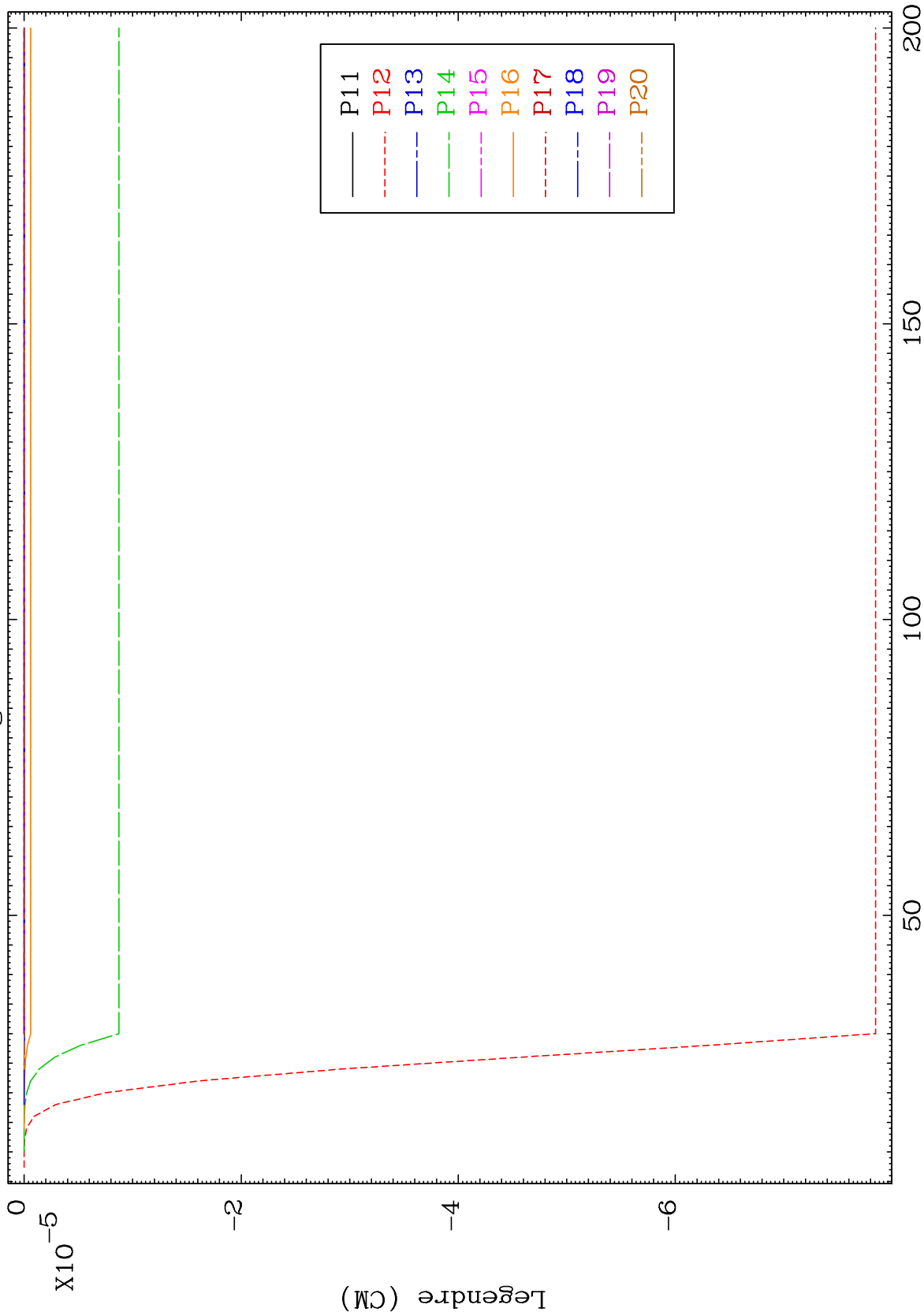


48 Incident Energy (MeV) 21-Sc-52

MAT 2146

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

21-Sc-52



49

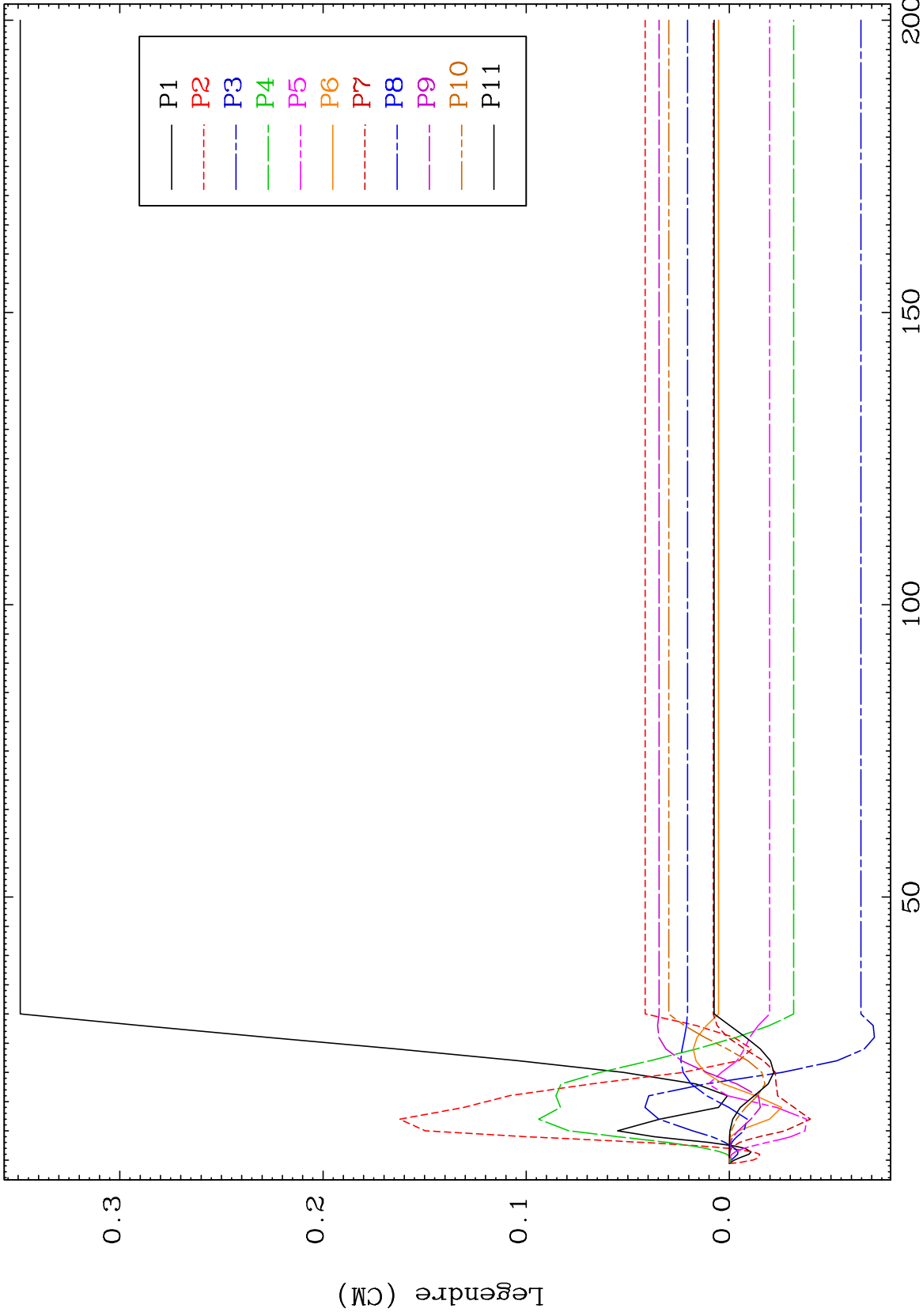
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



50

Incident Energy (MeV)

50

150

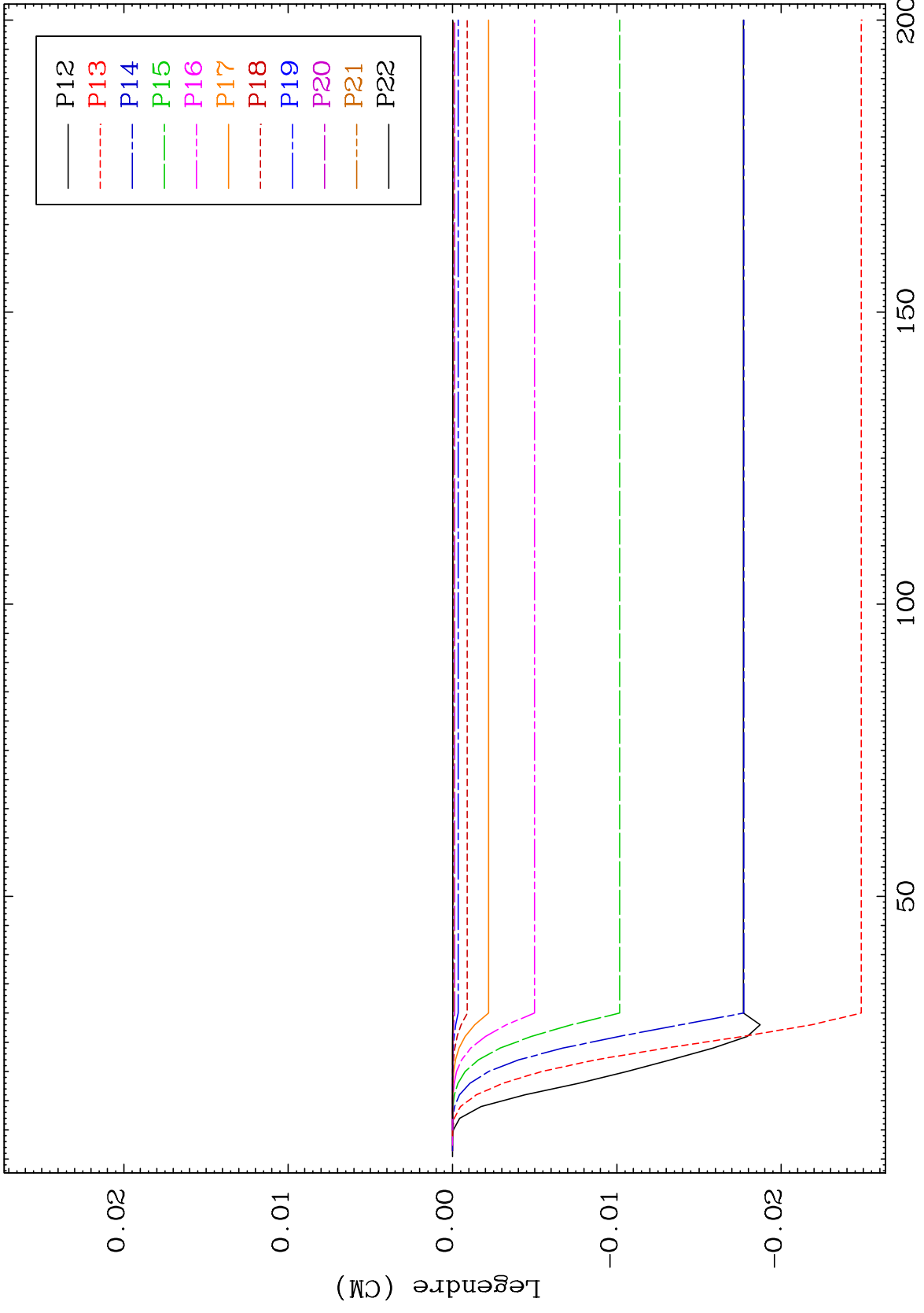
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21-Sc-52

MAT 2146

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

21-Sc-52

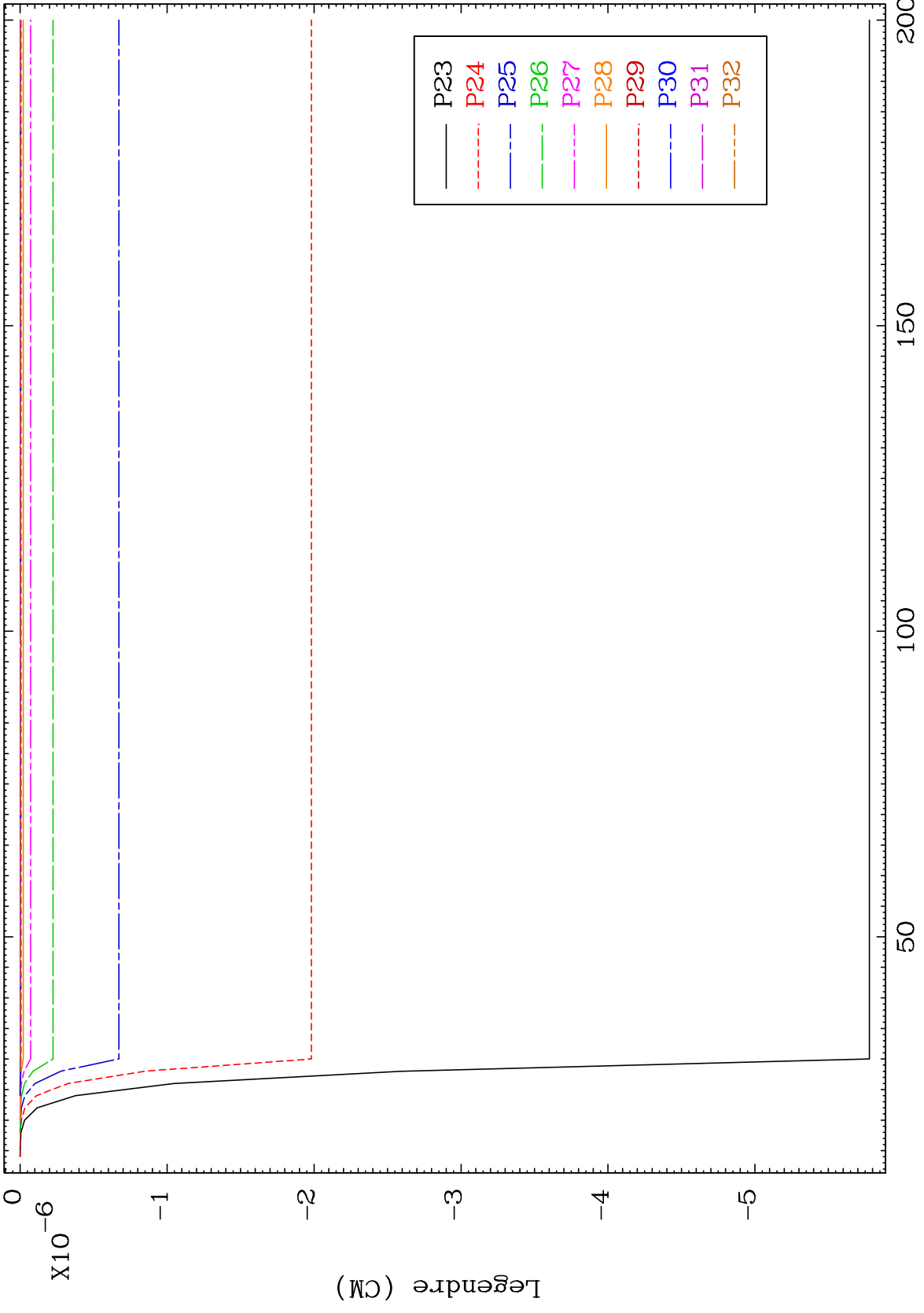


51

Incident Energy (MeV)

21-Sc-52

MAT 2146 MT= 62 (n,n') Level Legendre Coefficients 21-Sc-52

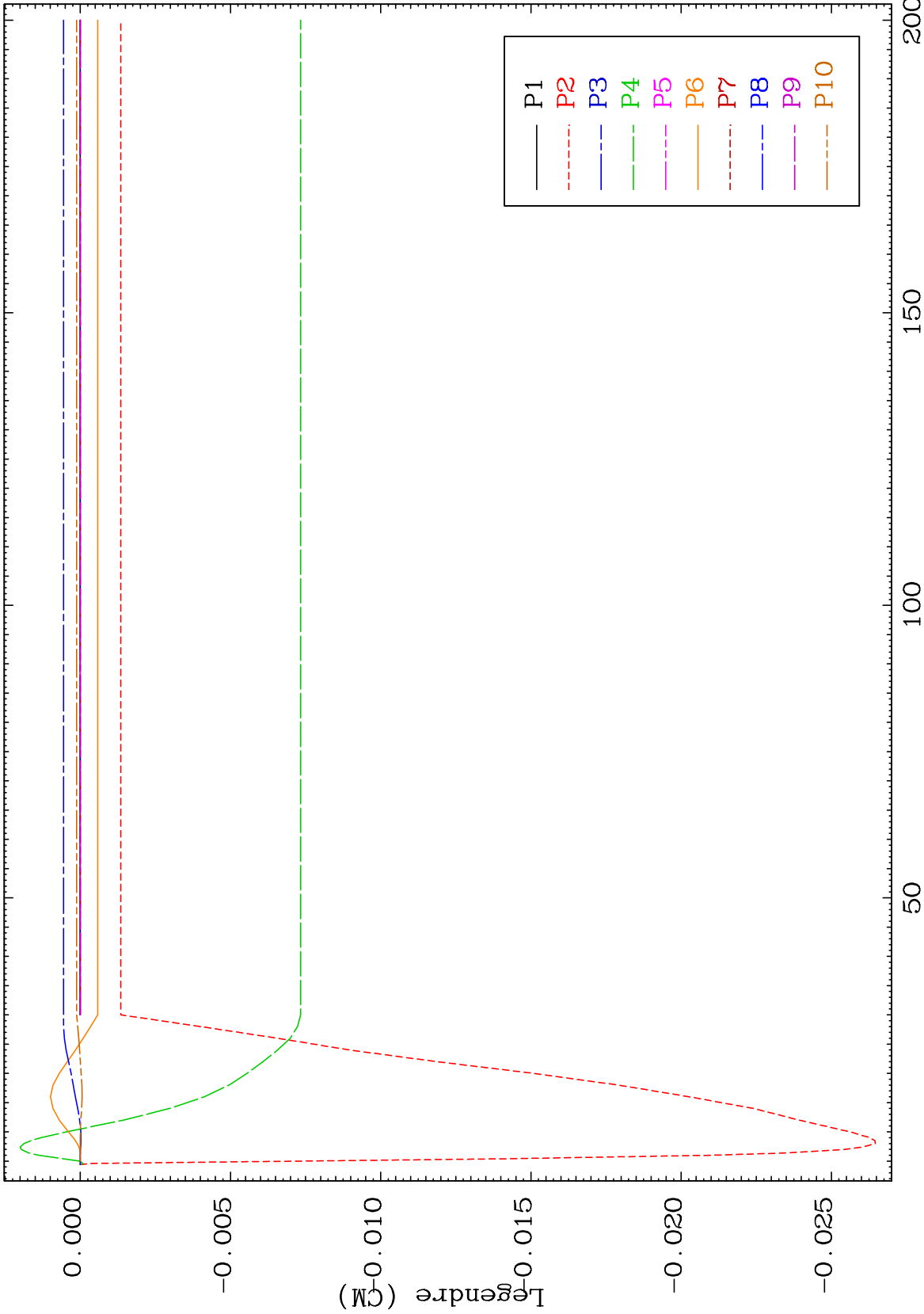


52 21-Sc-52

MAT 2146

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

21-Sc-52



53

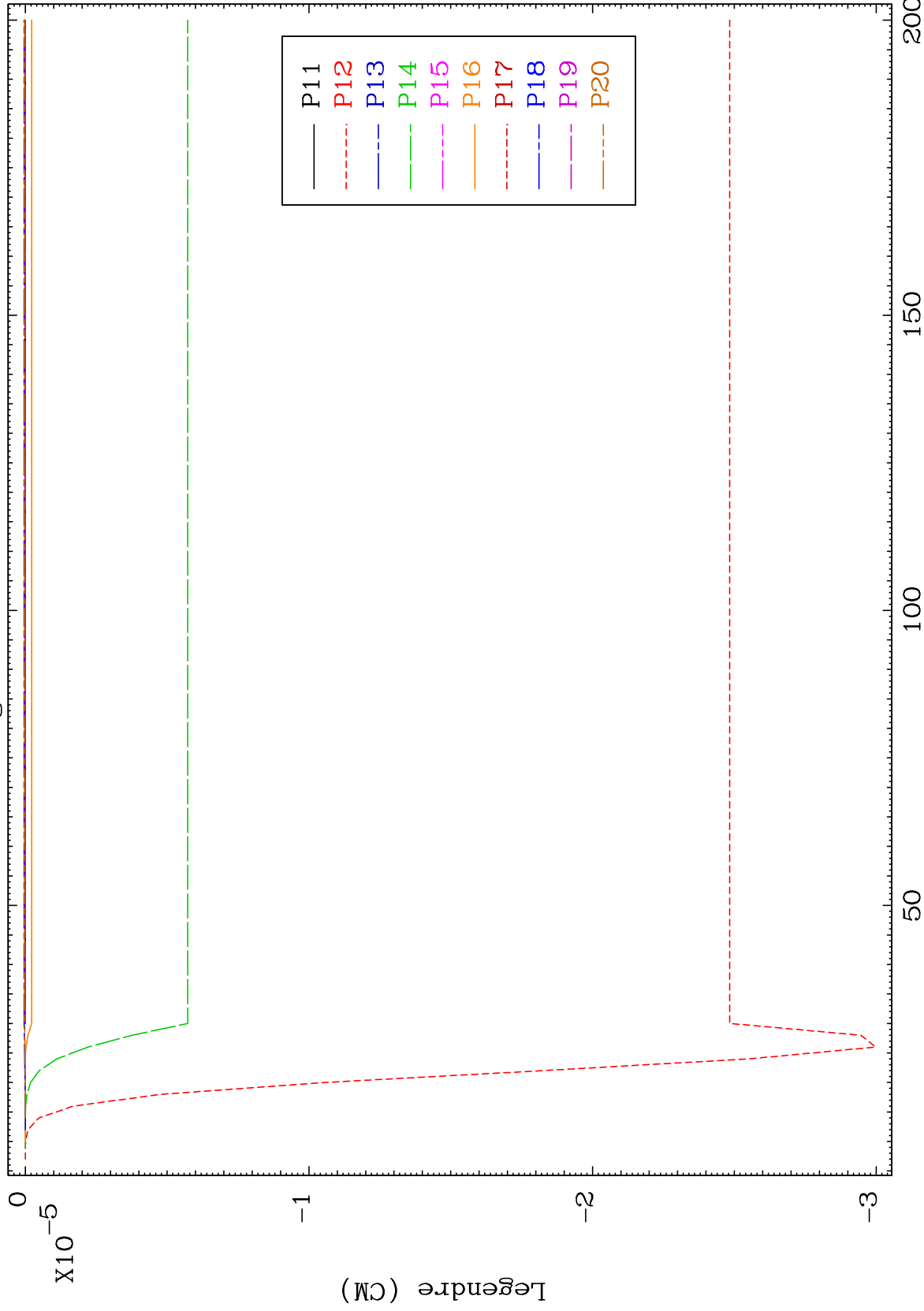
Incident Energy (MeV)

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MAT 2146

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

21-Sc-52



54

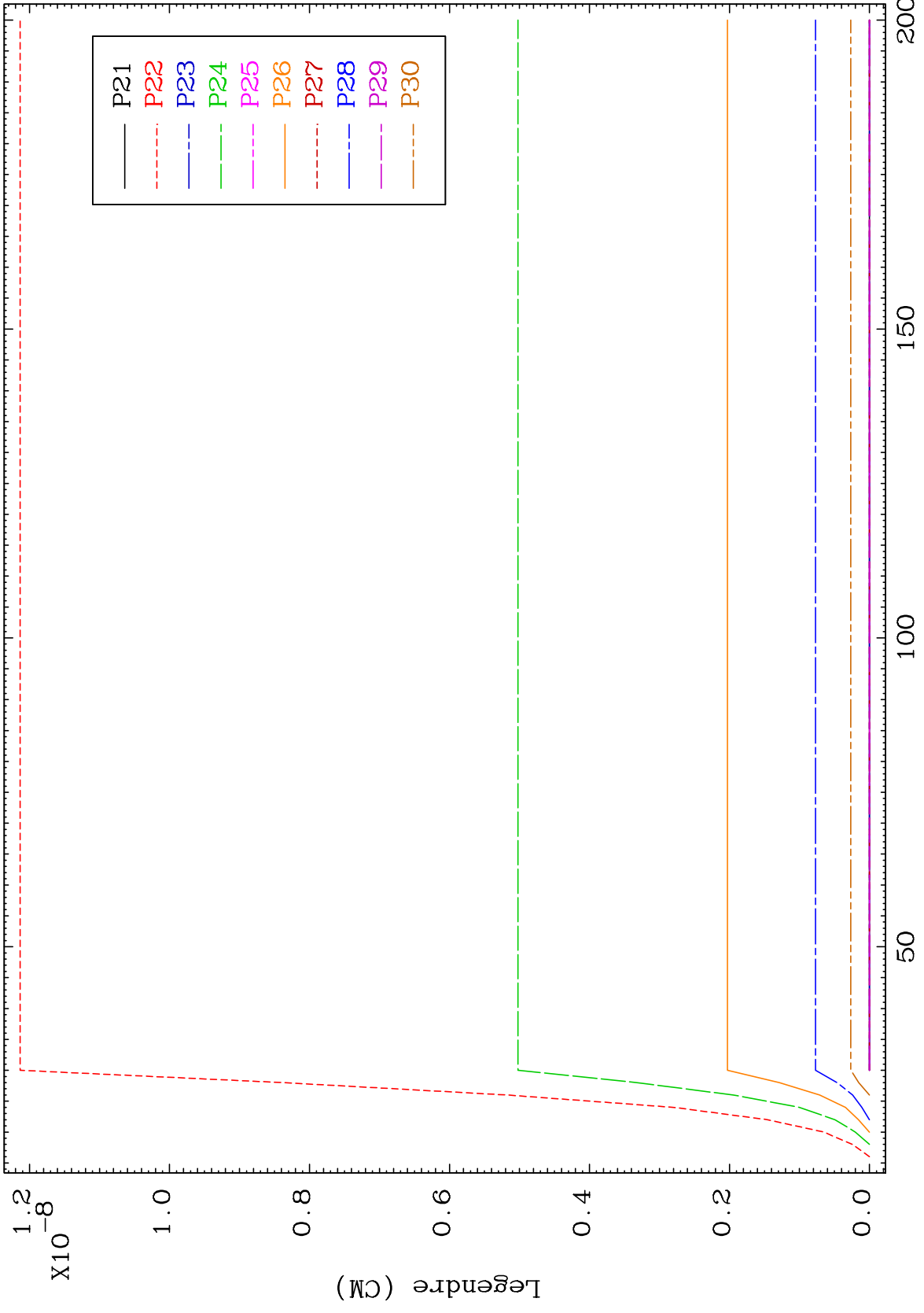
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



55

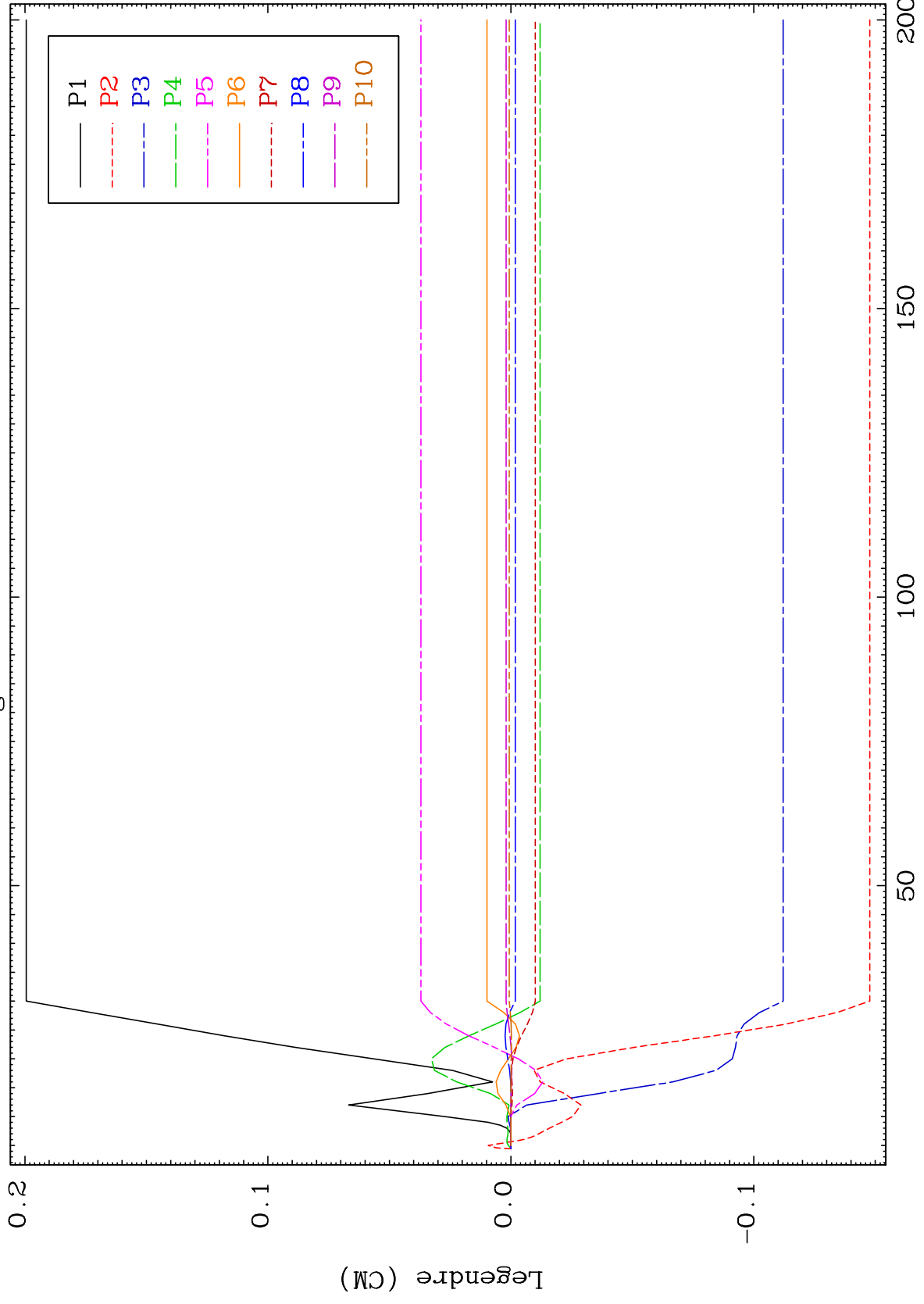
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



56

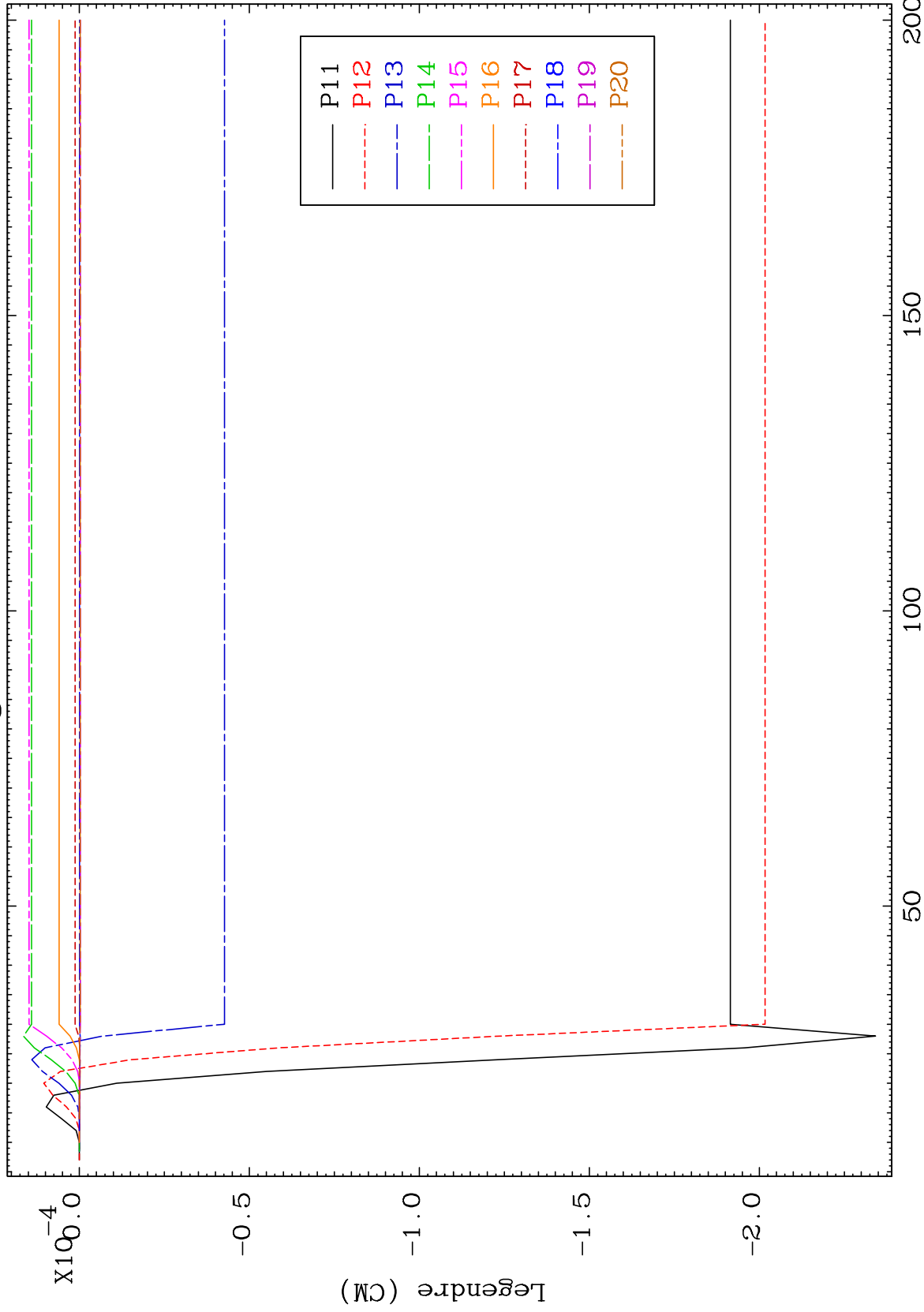
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52

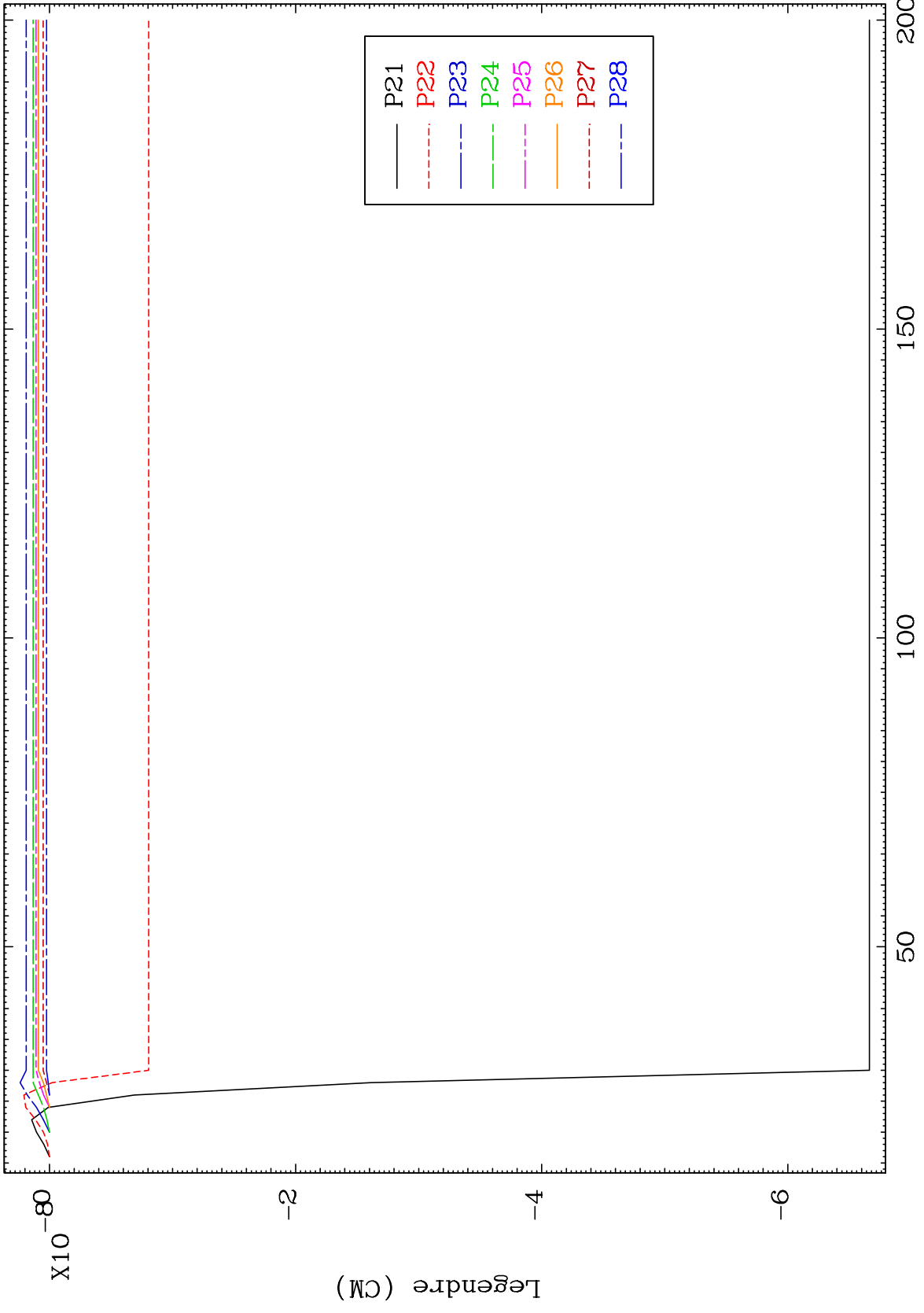


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Incident Energy (MeV)

21-Sc-52

MAT 2146 MT= 64 (n,n') Level Legendre Coefficients 21-Sc-52

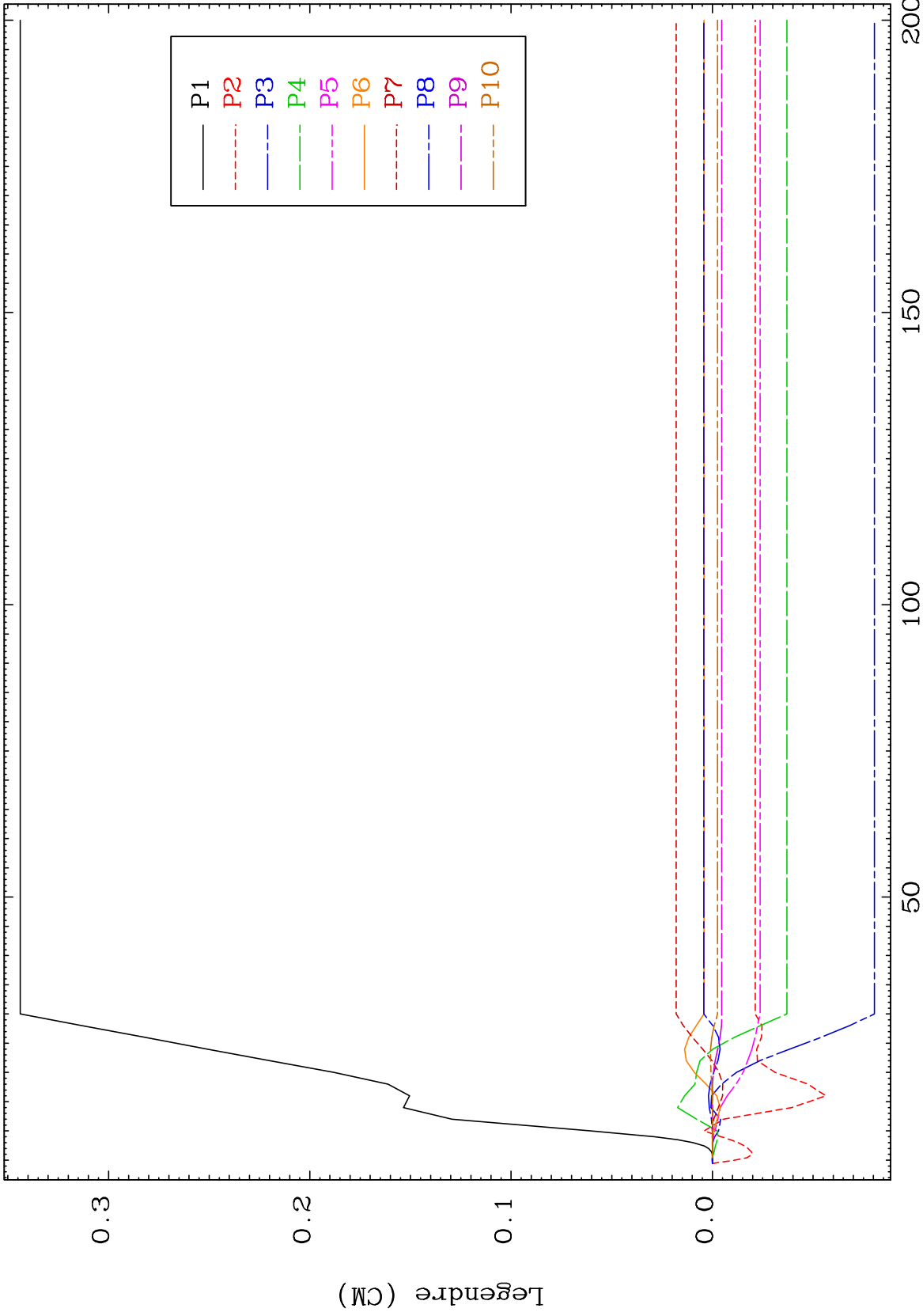


58 Incident Energy (MeV) 21-Sc-52

MAT 2146

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

21-Sc-52



59

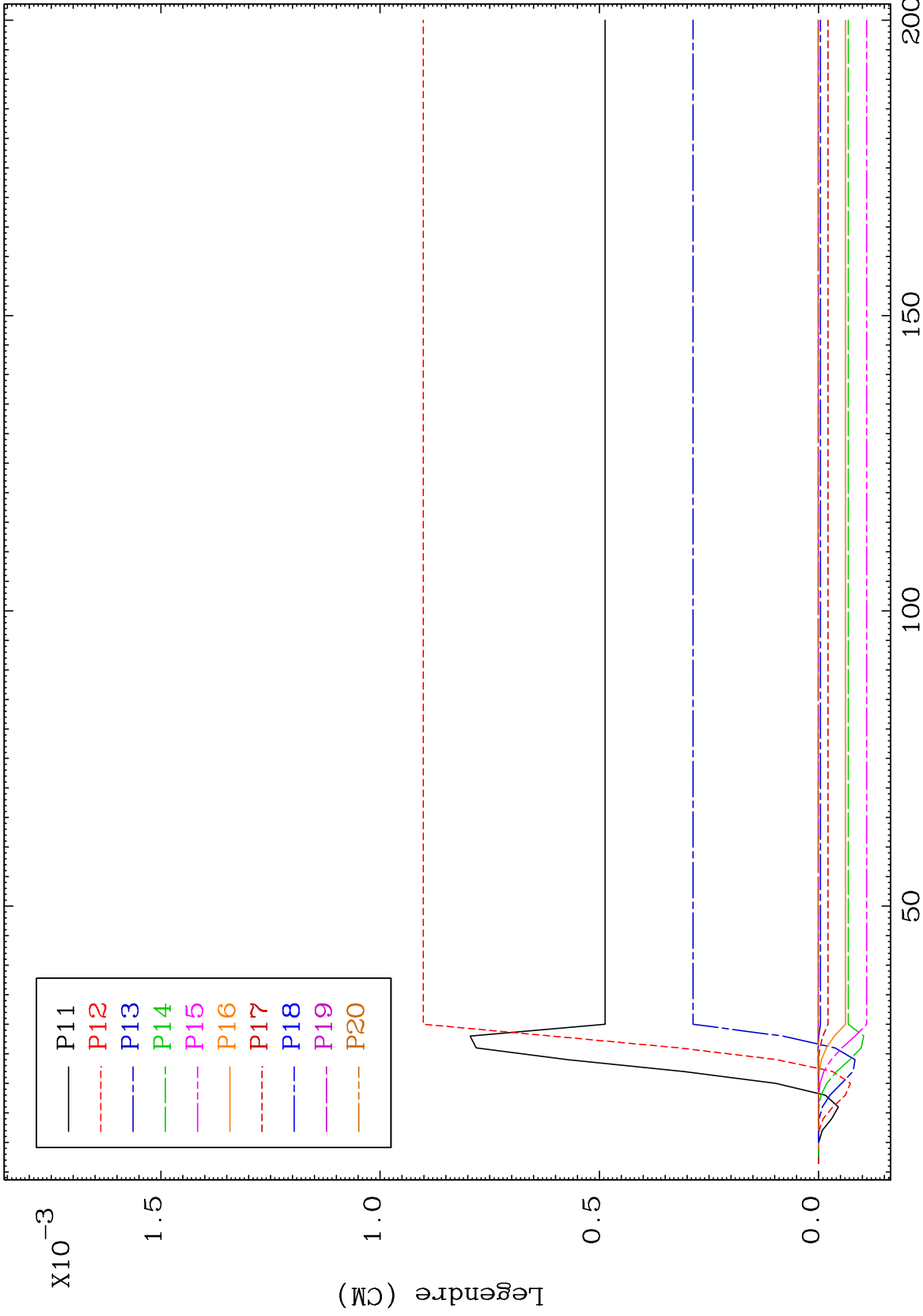
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



60

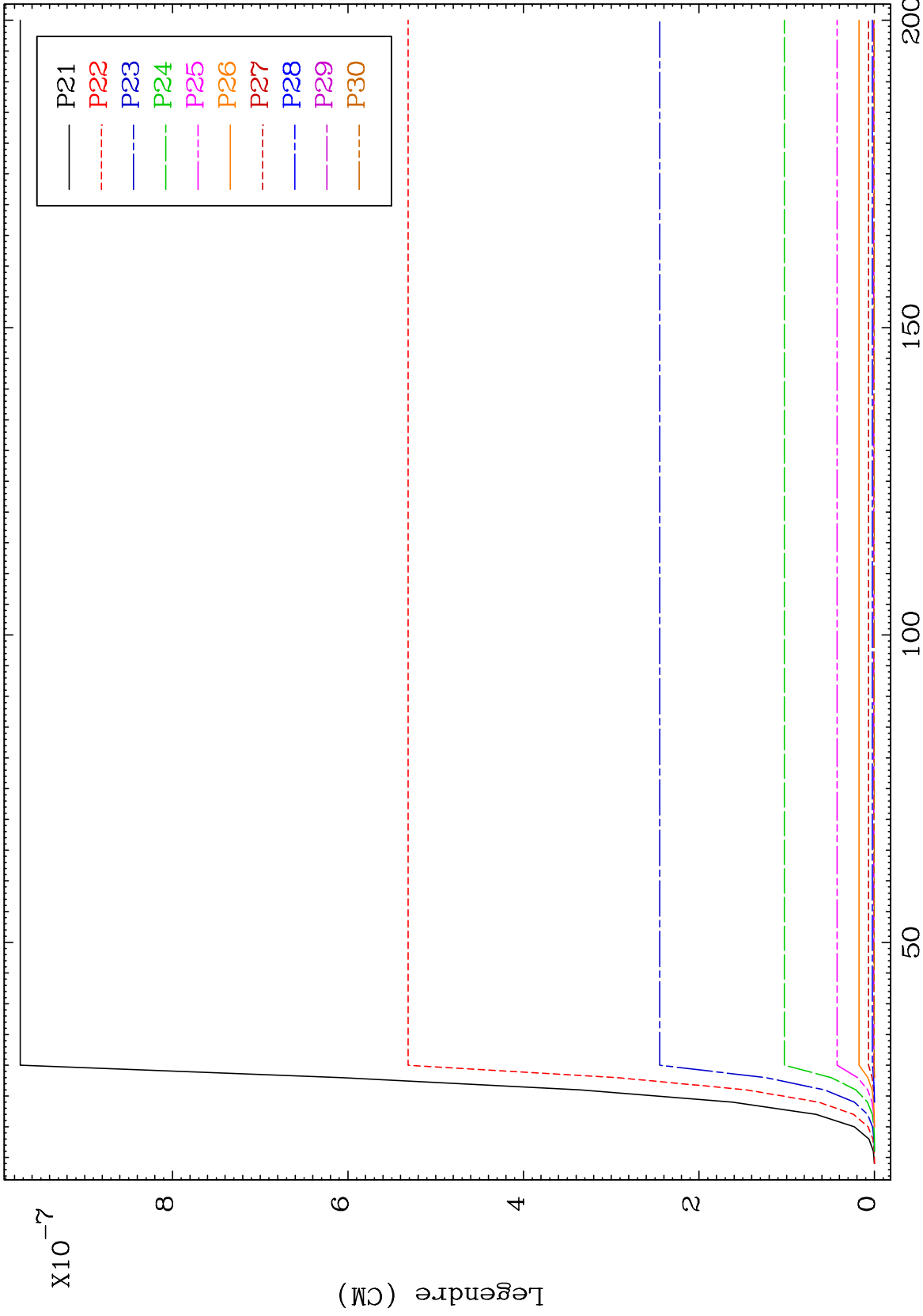
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



61

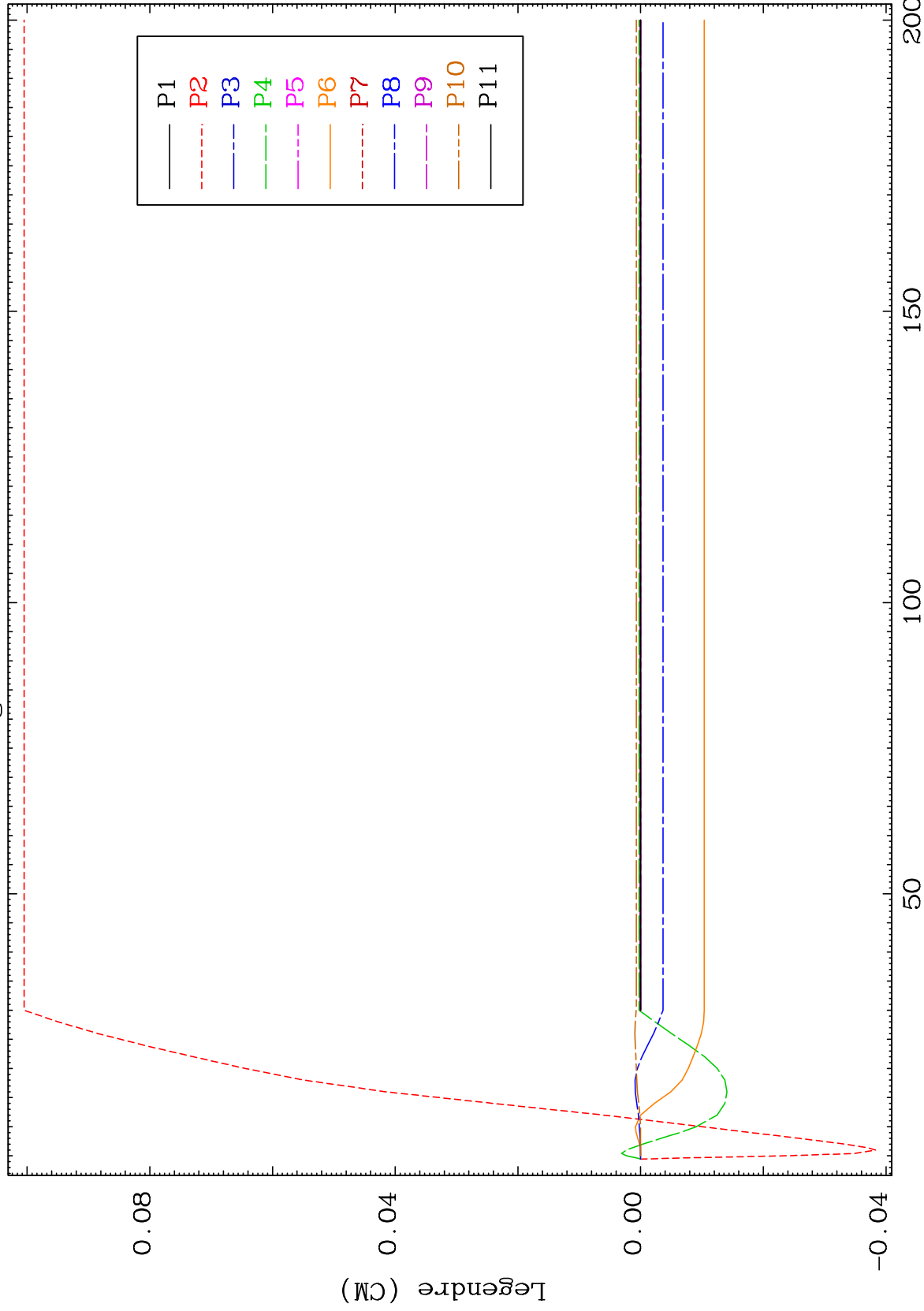
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



62

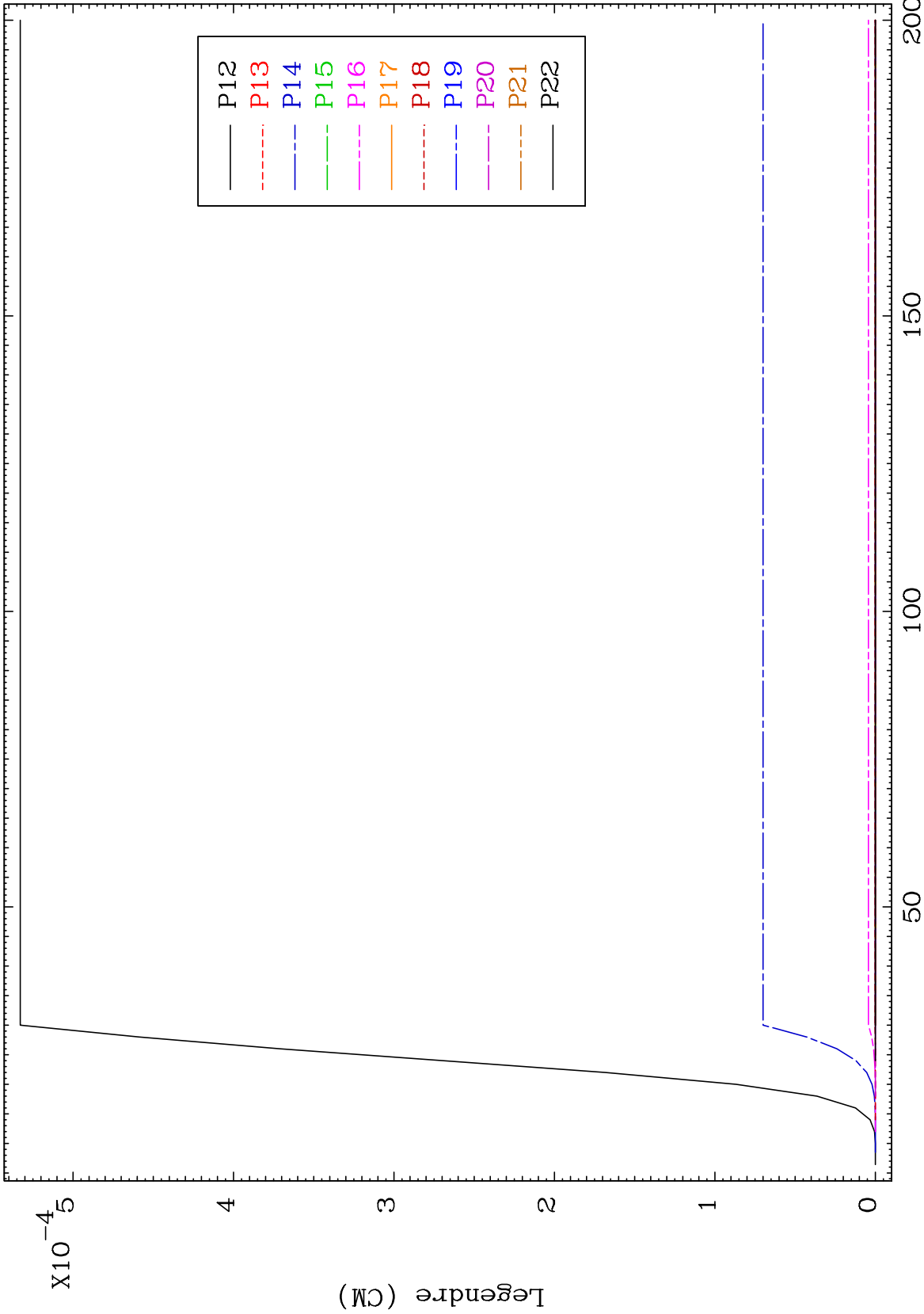
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



63

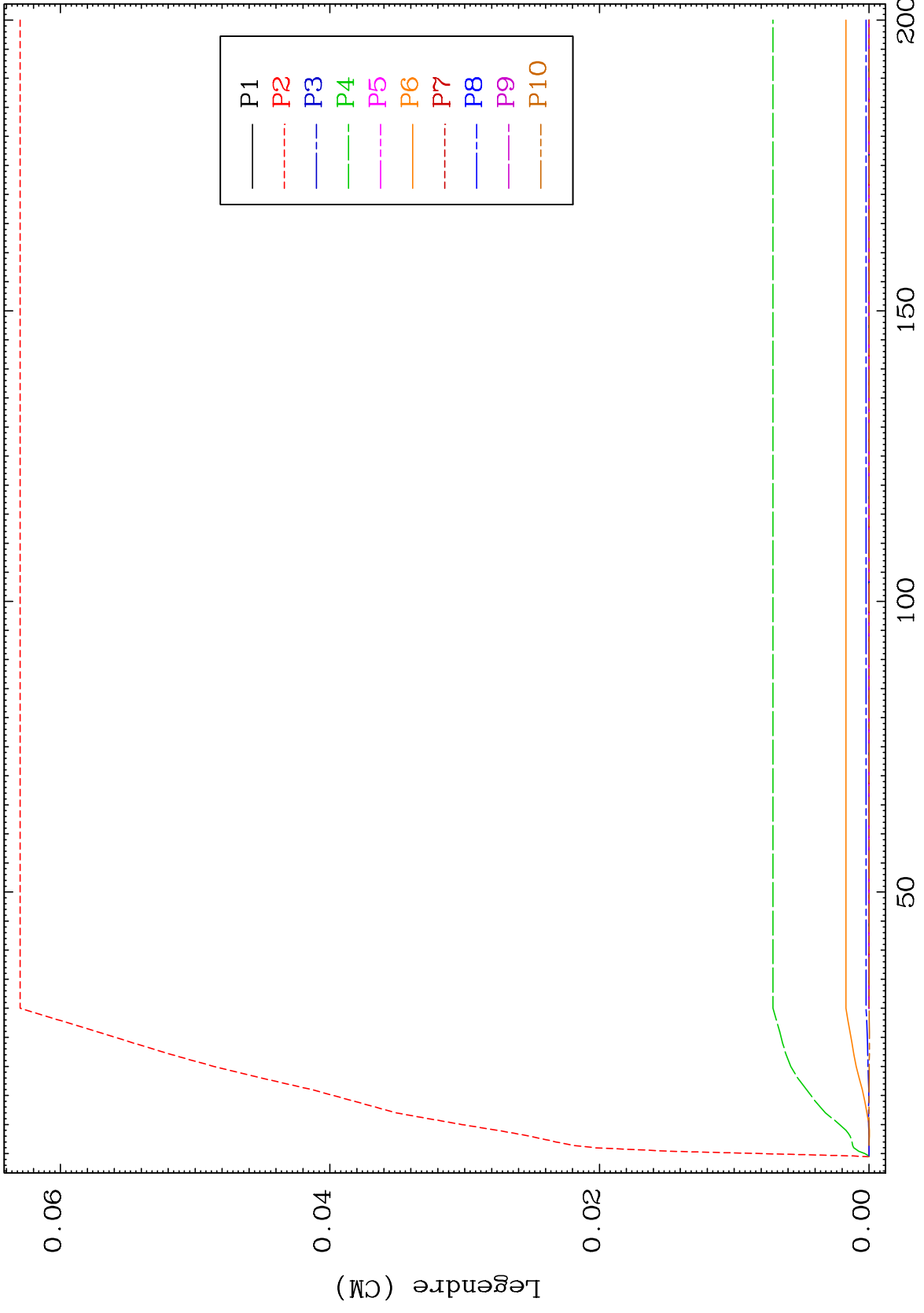
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52

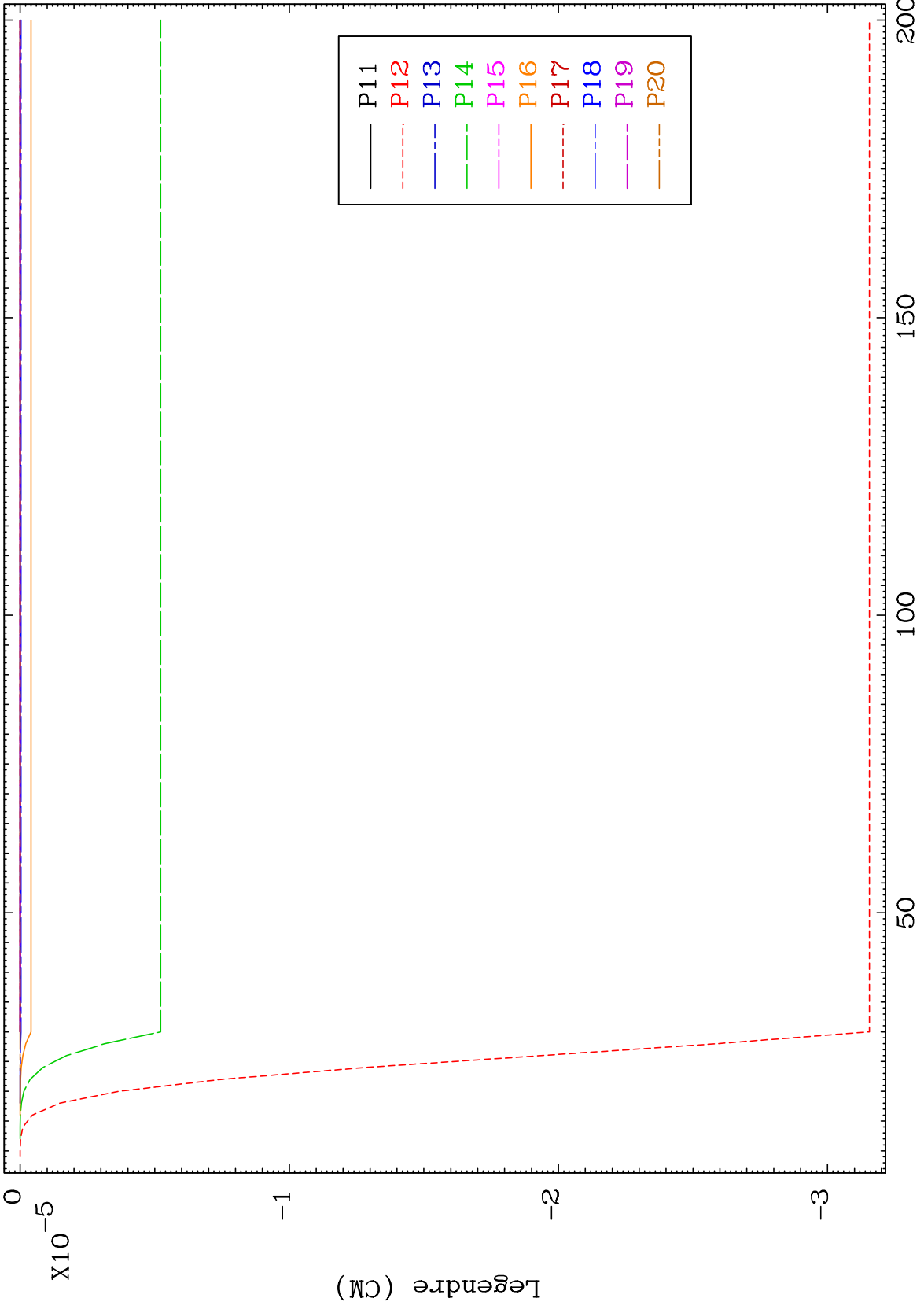


64

Incident Energy (MeV)

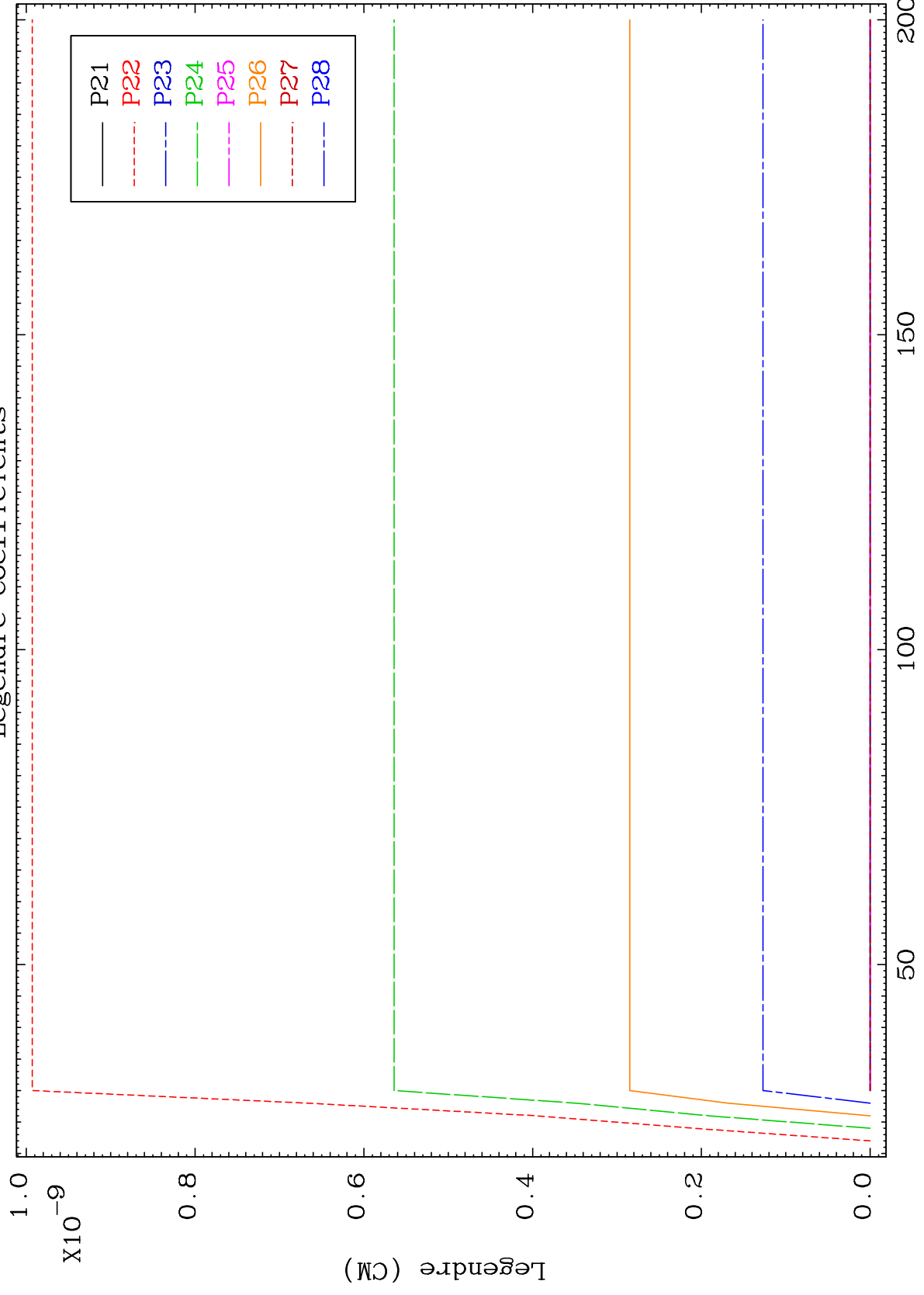
21-Sc-52

MAT 2146 MT= 67 (n,n') Level Legendre Coefficients 21-Sc-52



65 21-Sc-52

MAT 2146 MT= 67 (n,n') Level Legendre Coefficients 21-Sc-52

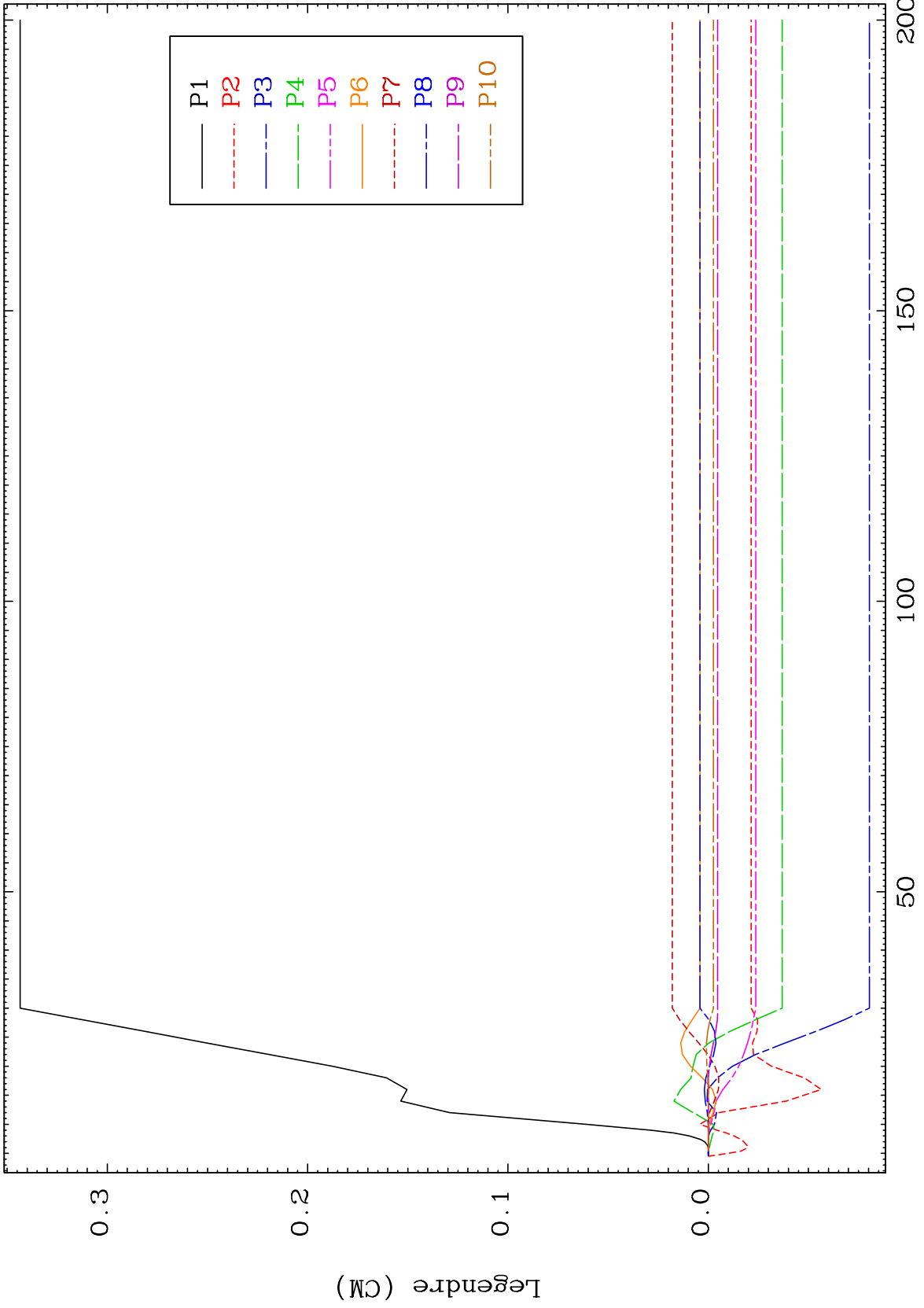


66 21-Sc-52

MAT 2146

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

21-Sc-52



67

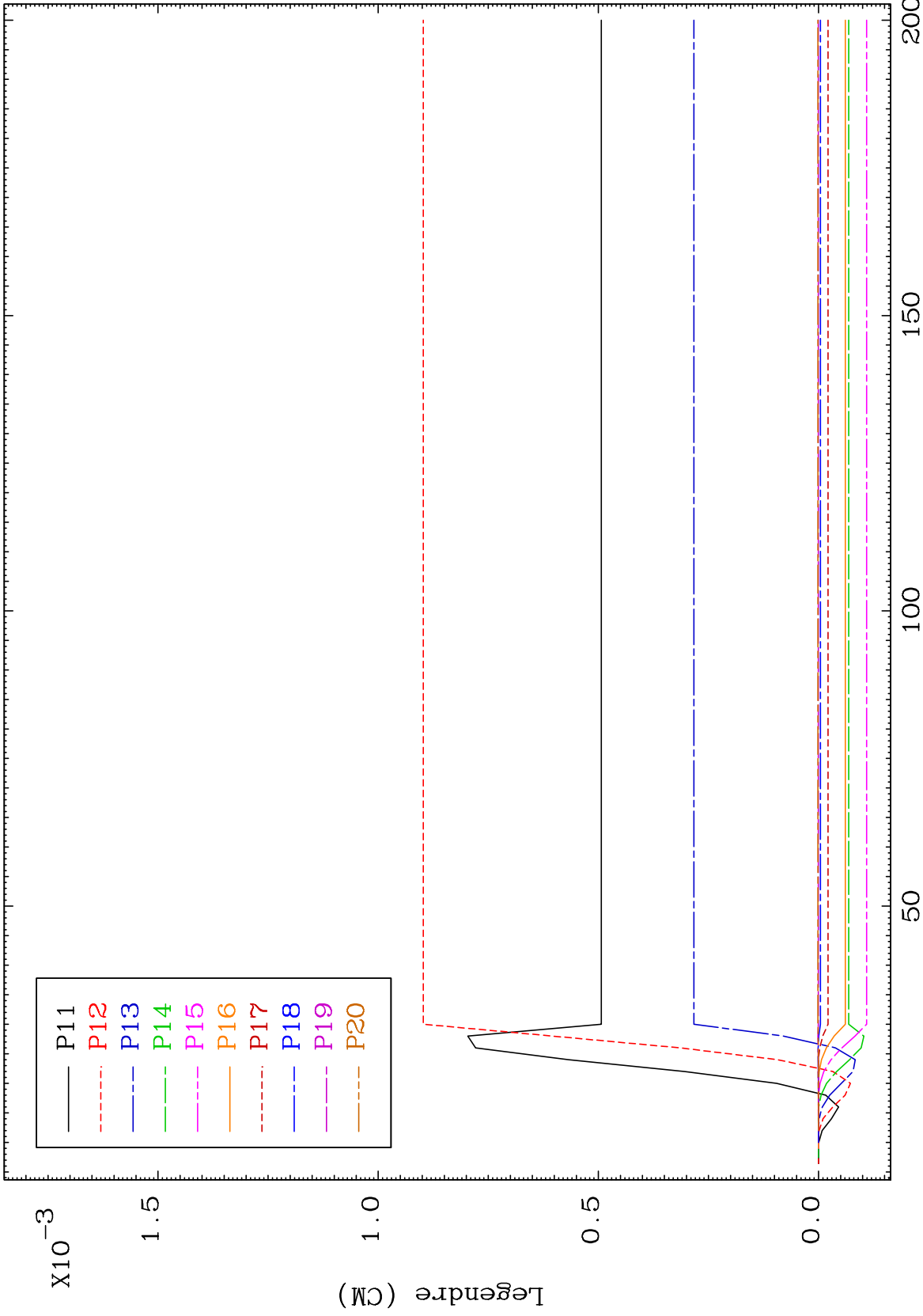
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



68

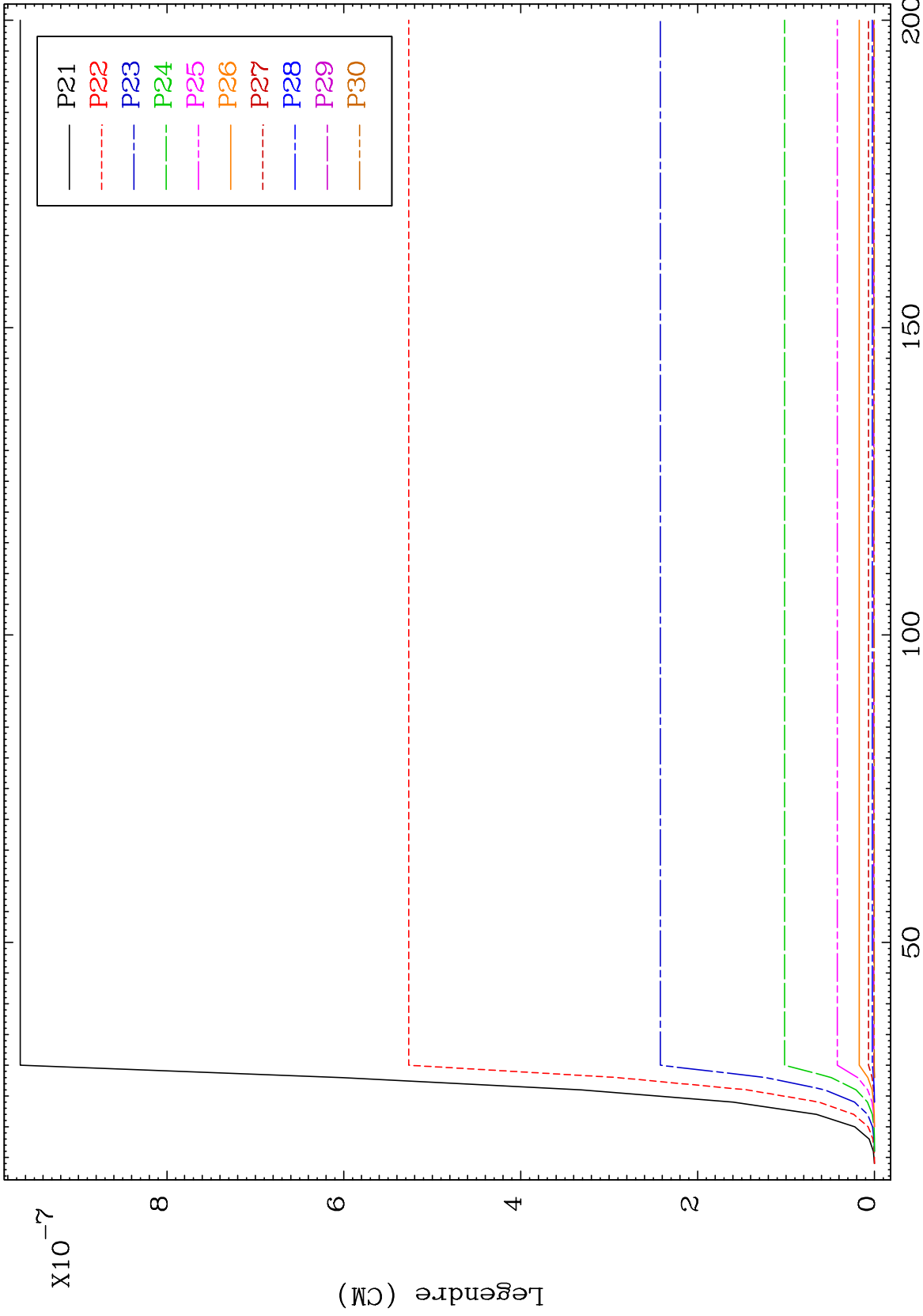
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



69

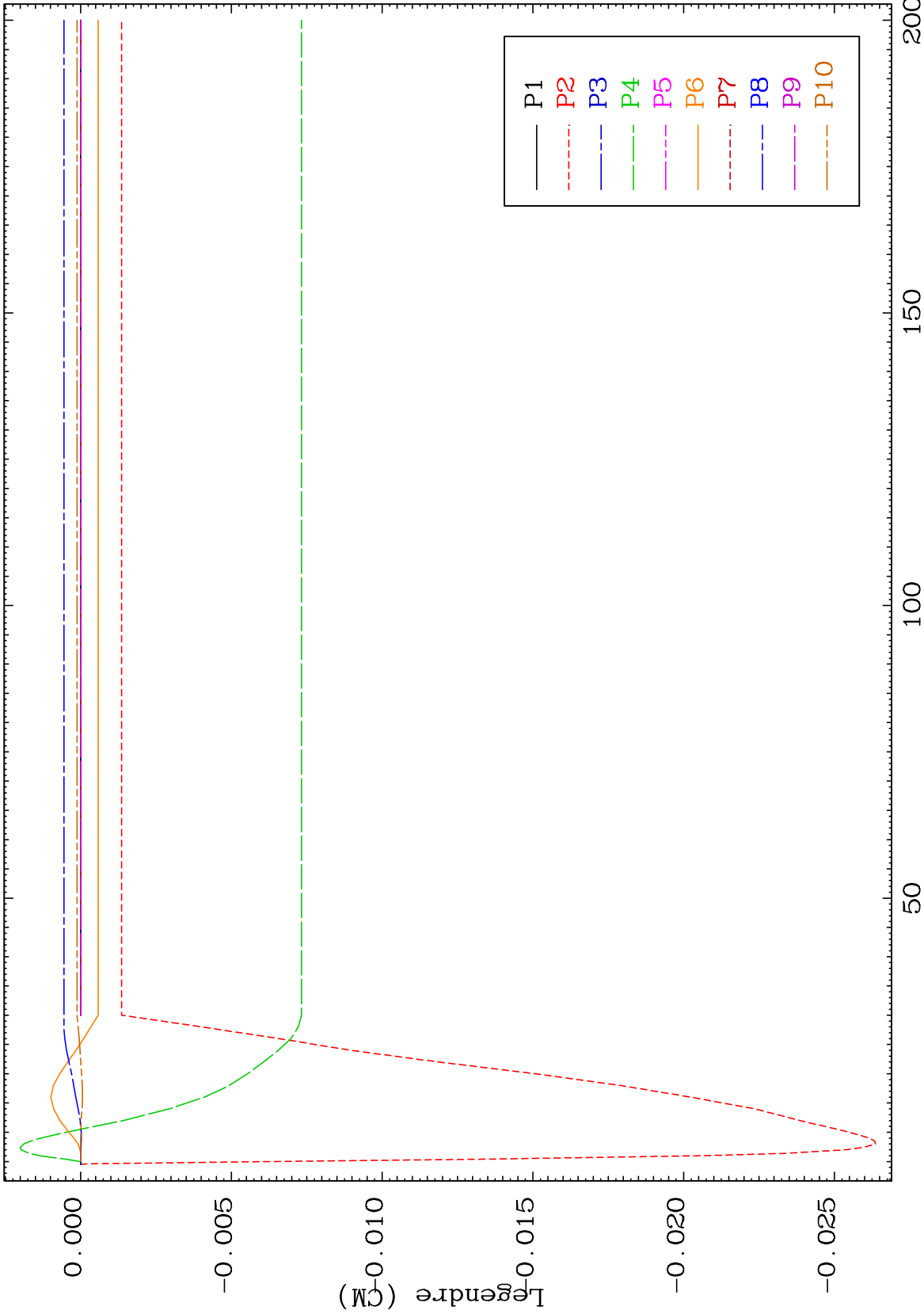
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



70

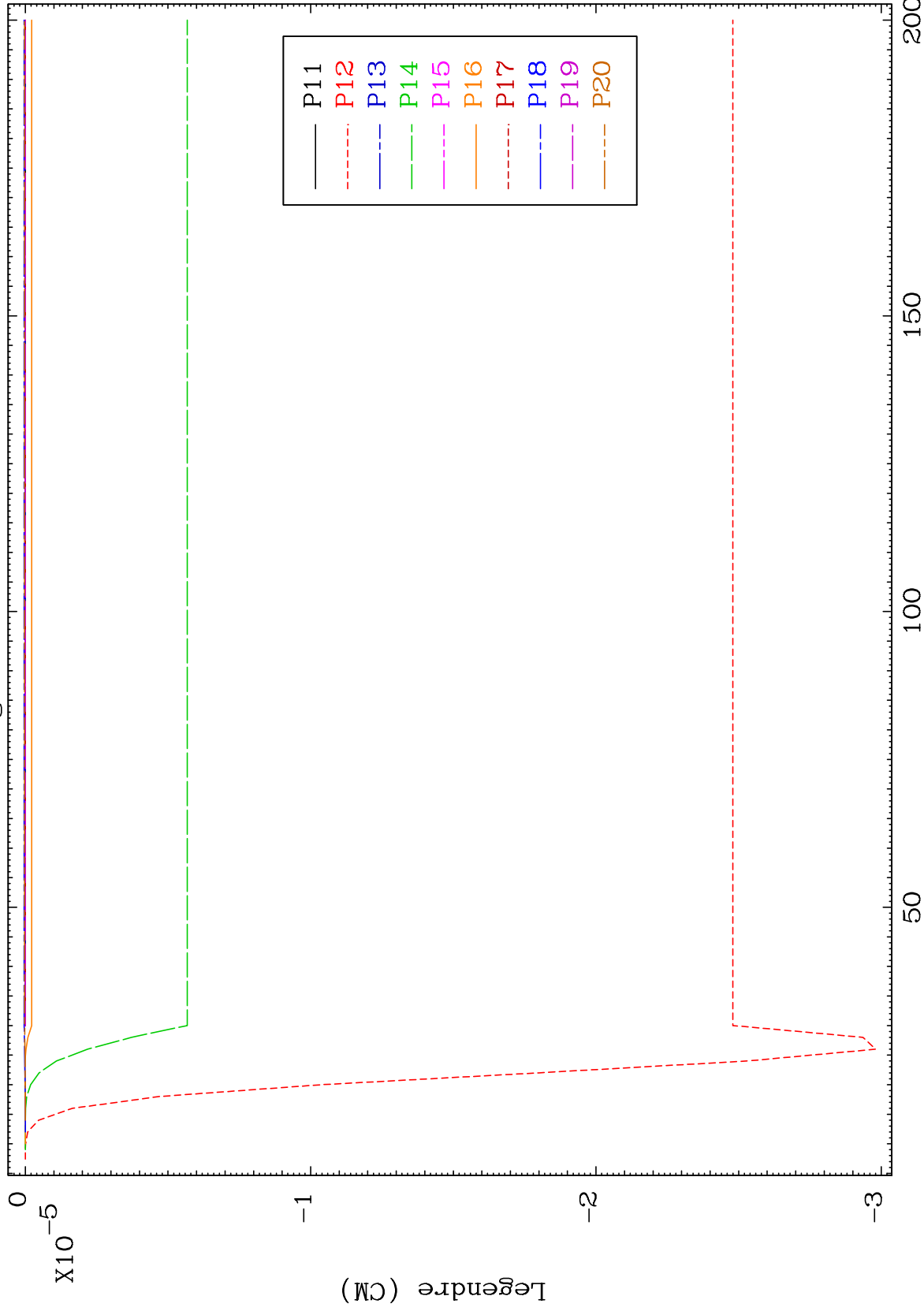
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52

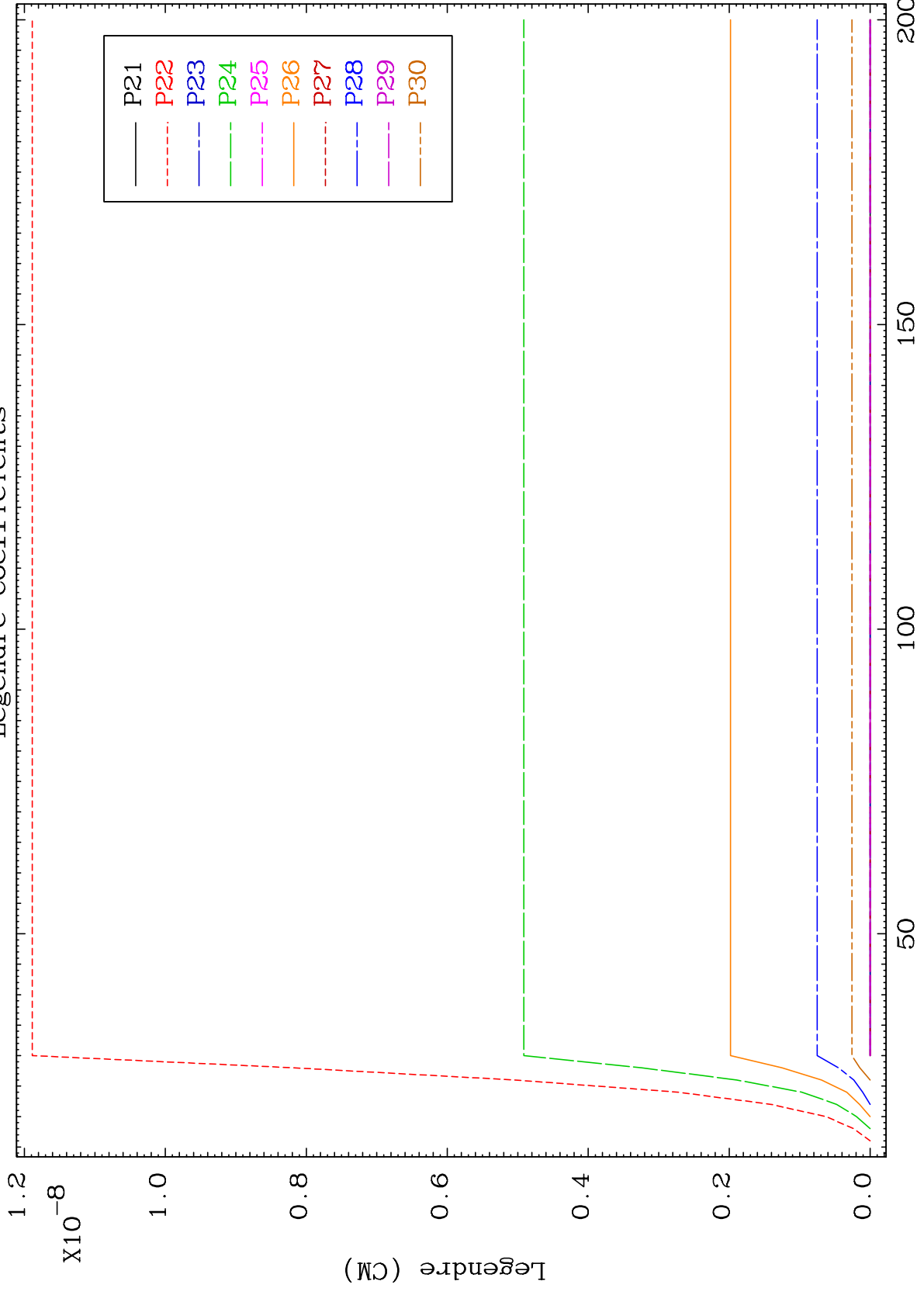


71

Incident Energy (MeV)

21-Sc-52

MAT 2146 MT= 69 (n,n') Level Legendre Coefficients 21-Sc-52

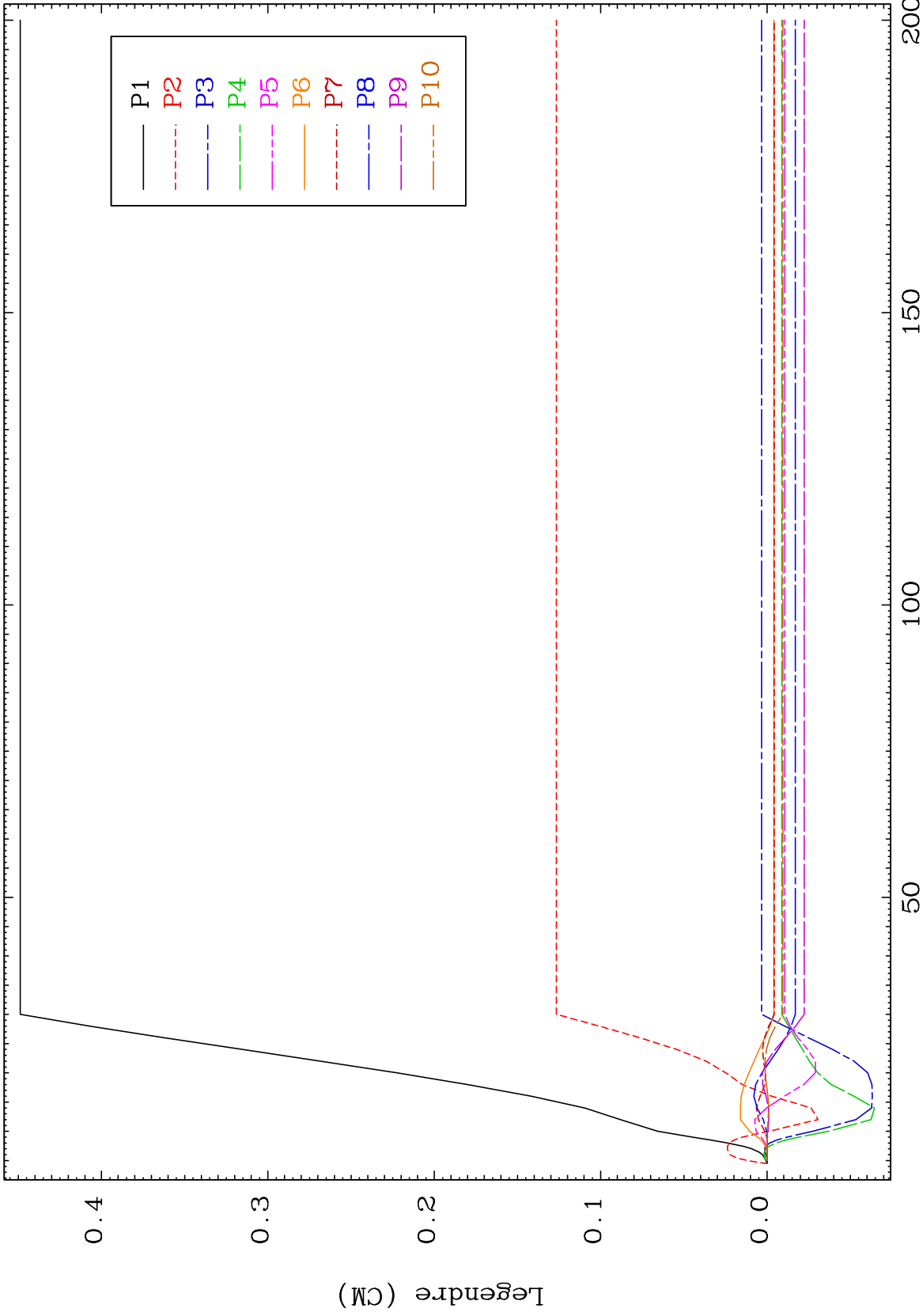


72 21-Sc-52

MAT 2146

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

21-Sc-52



73

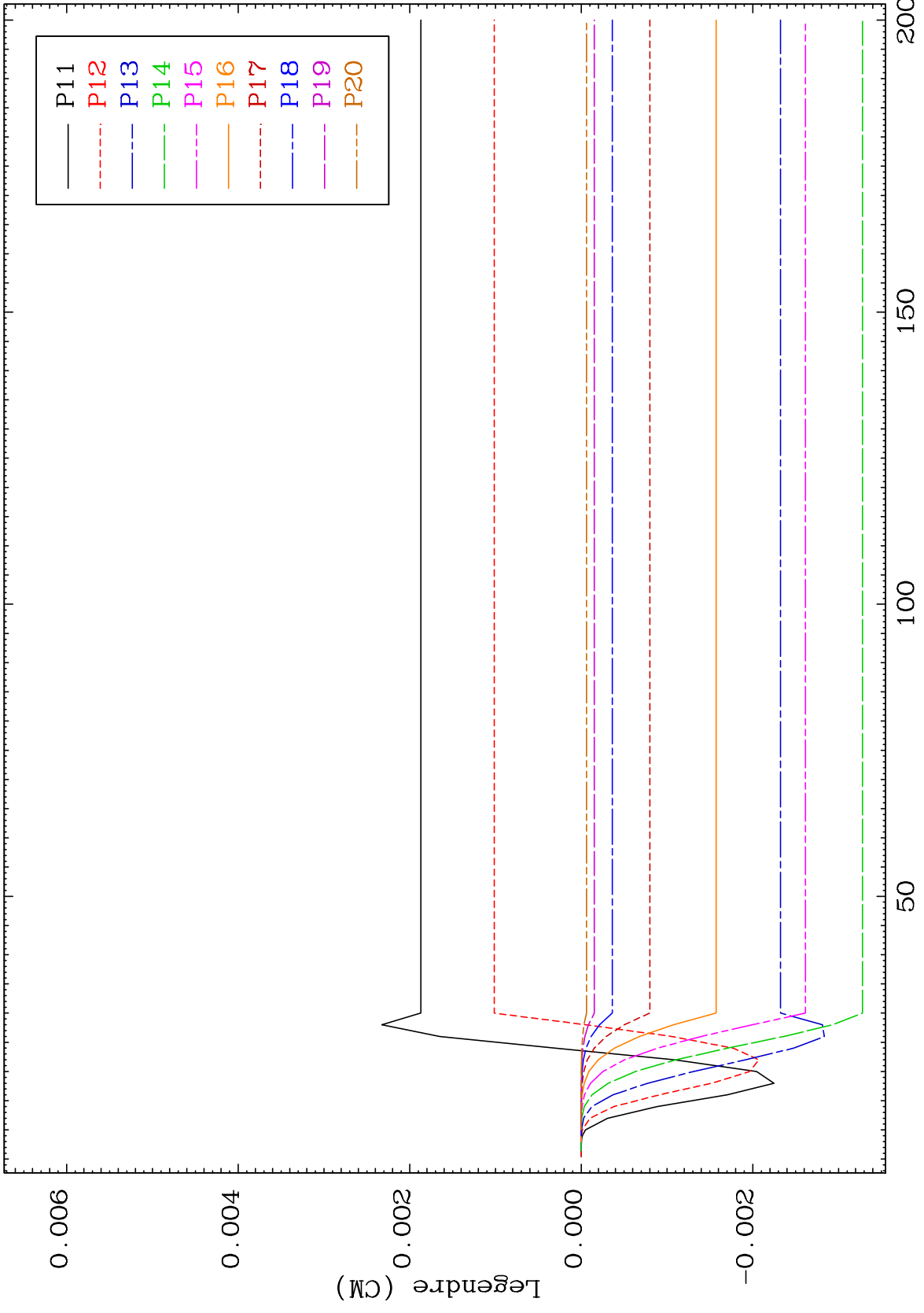
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



74

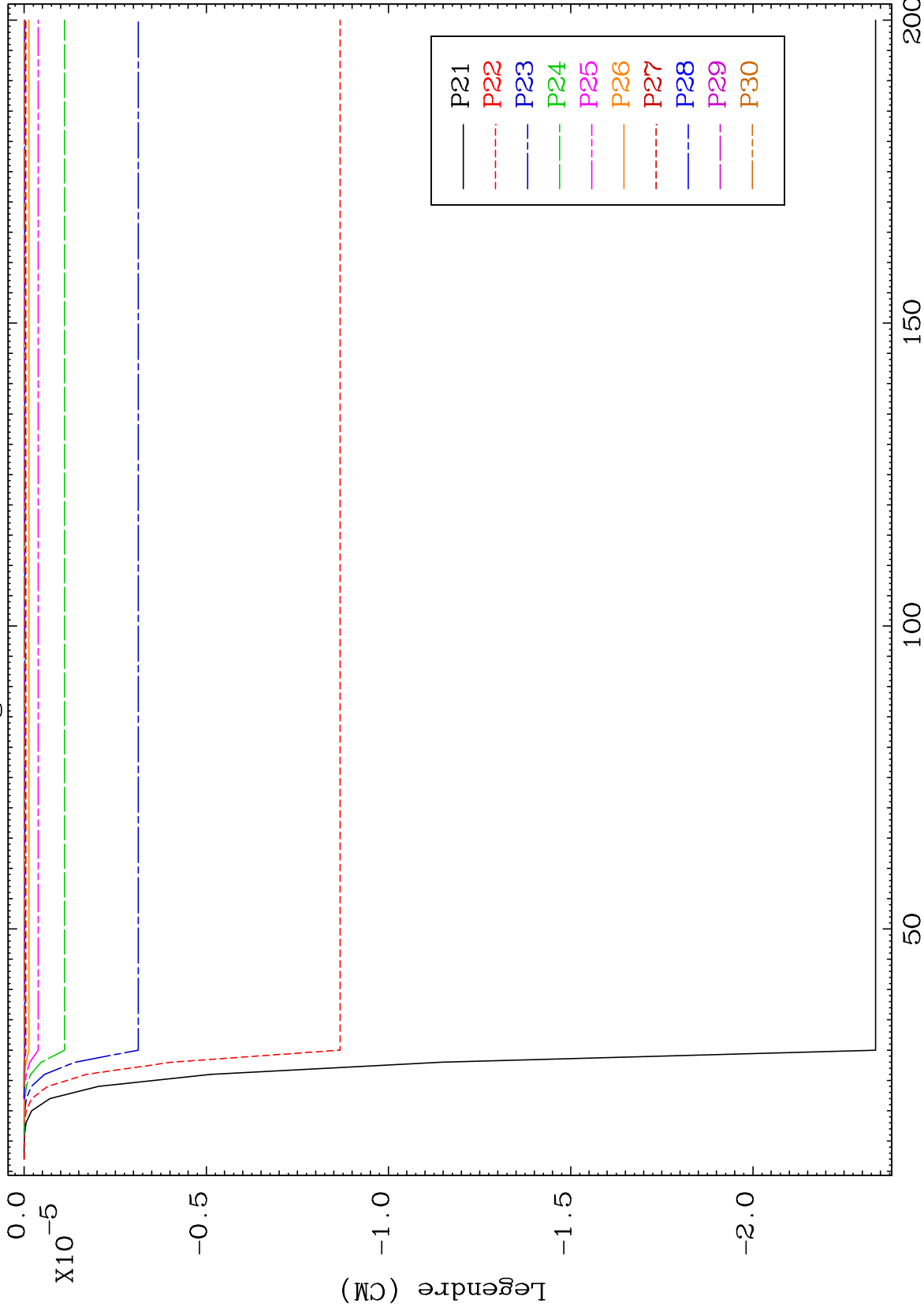
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



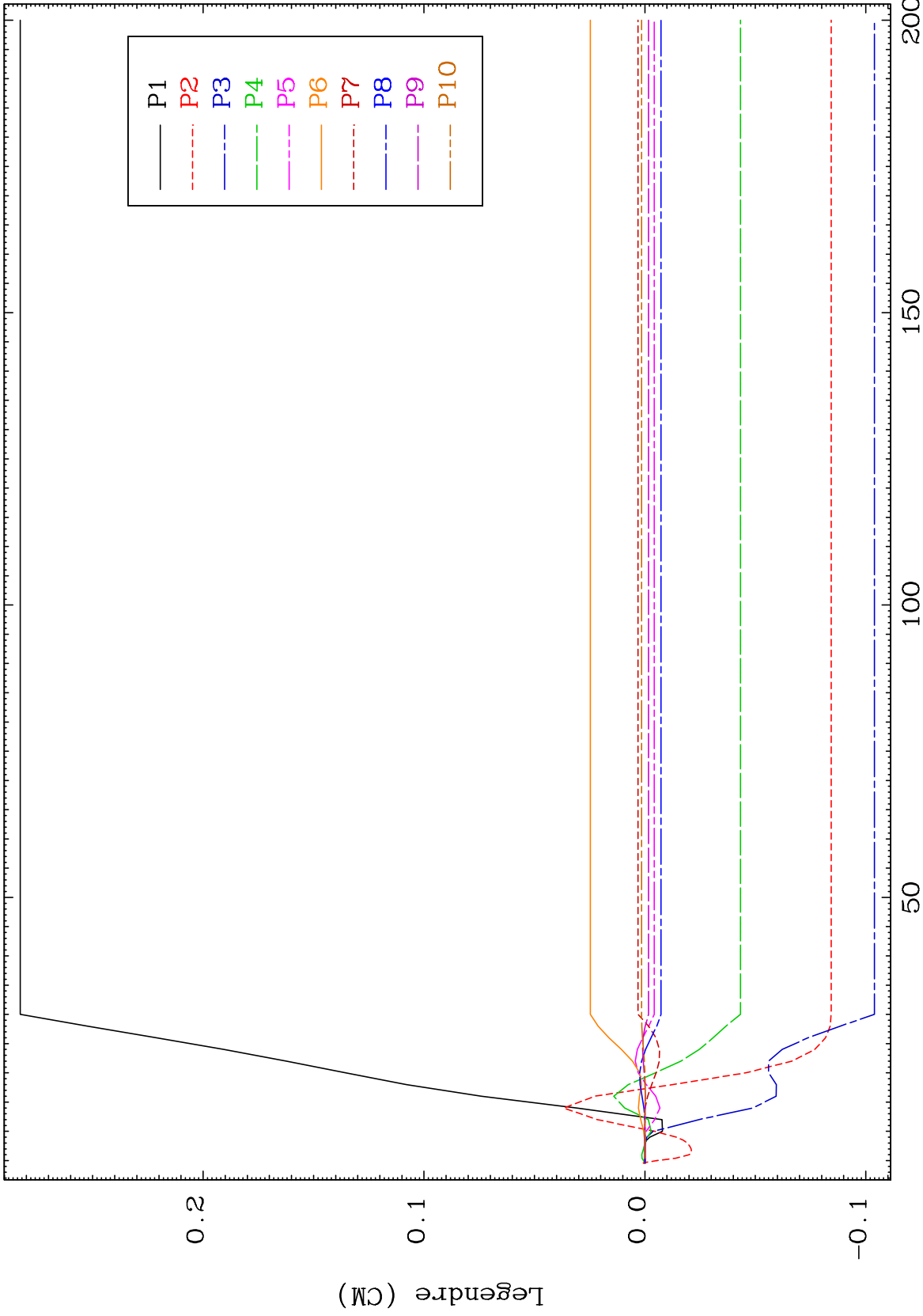
75

21-Sc-52

MAT 2146

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

21-Sc-52



76

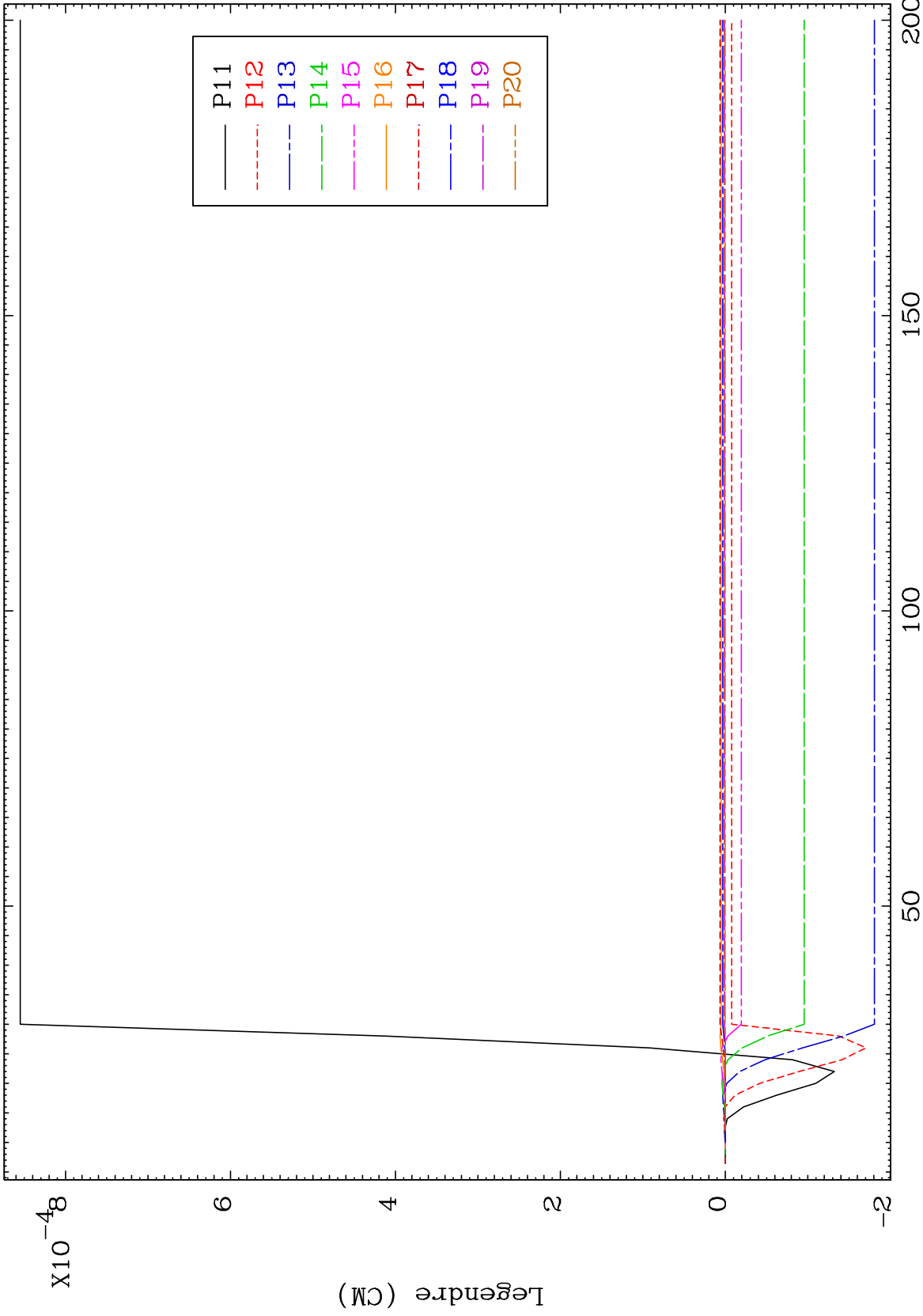
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



77

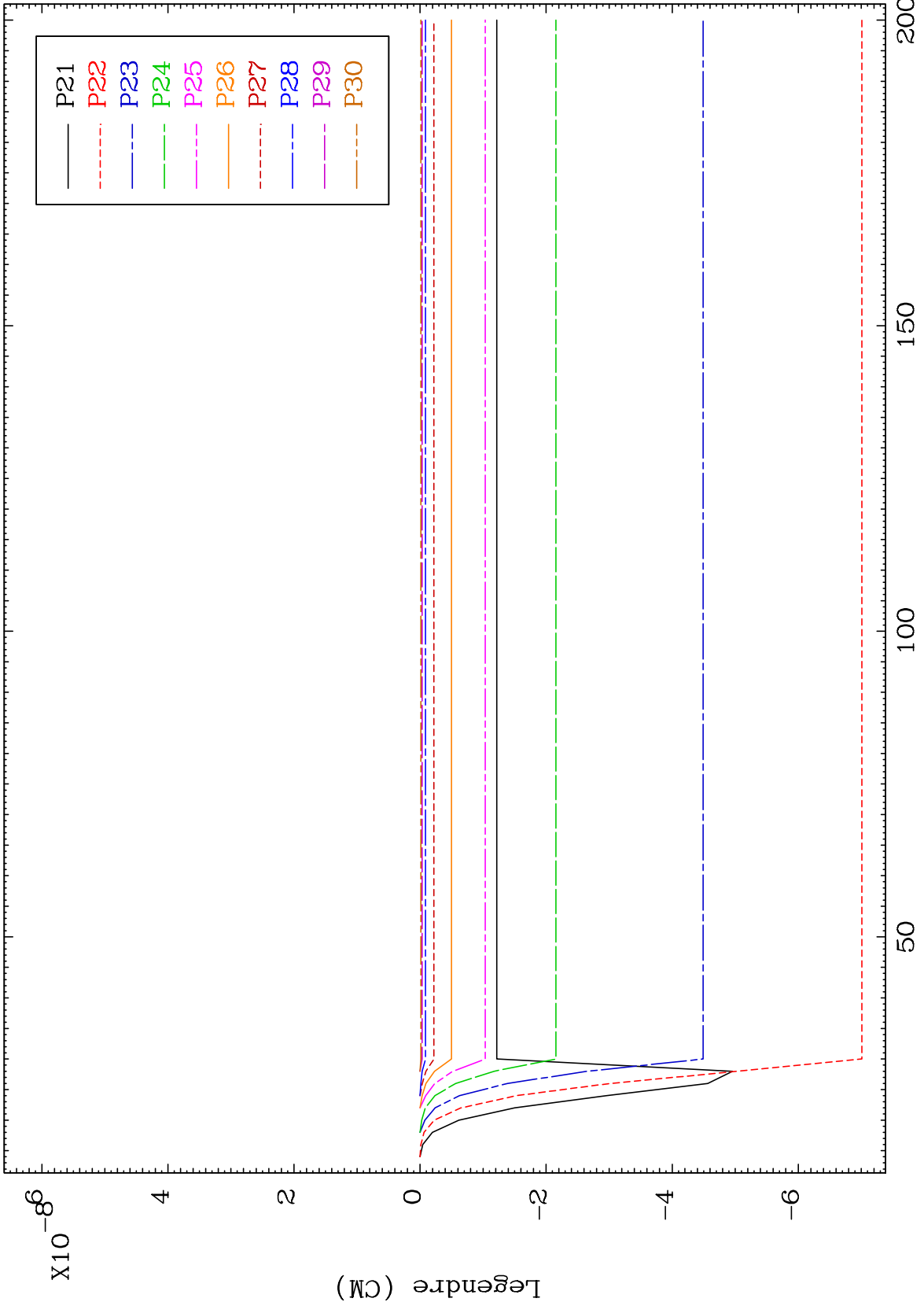
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



78

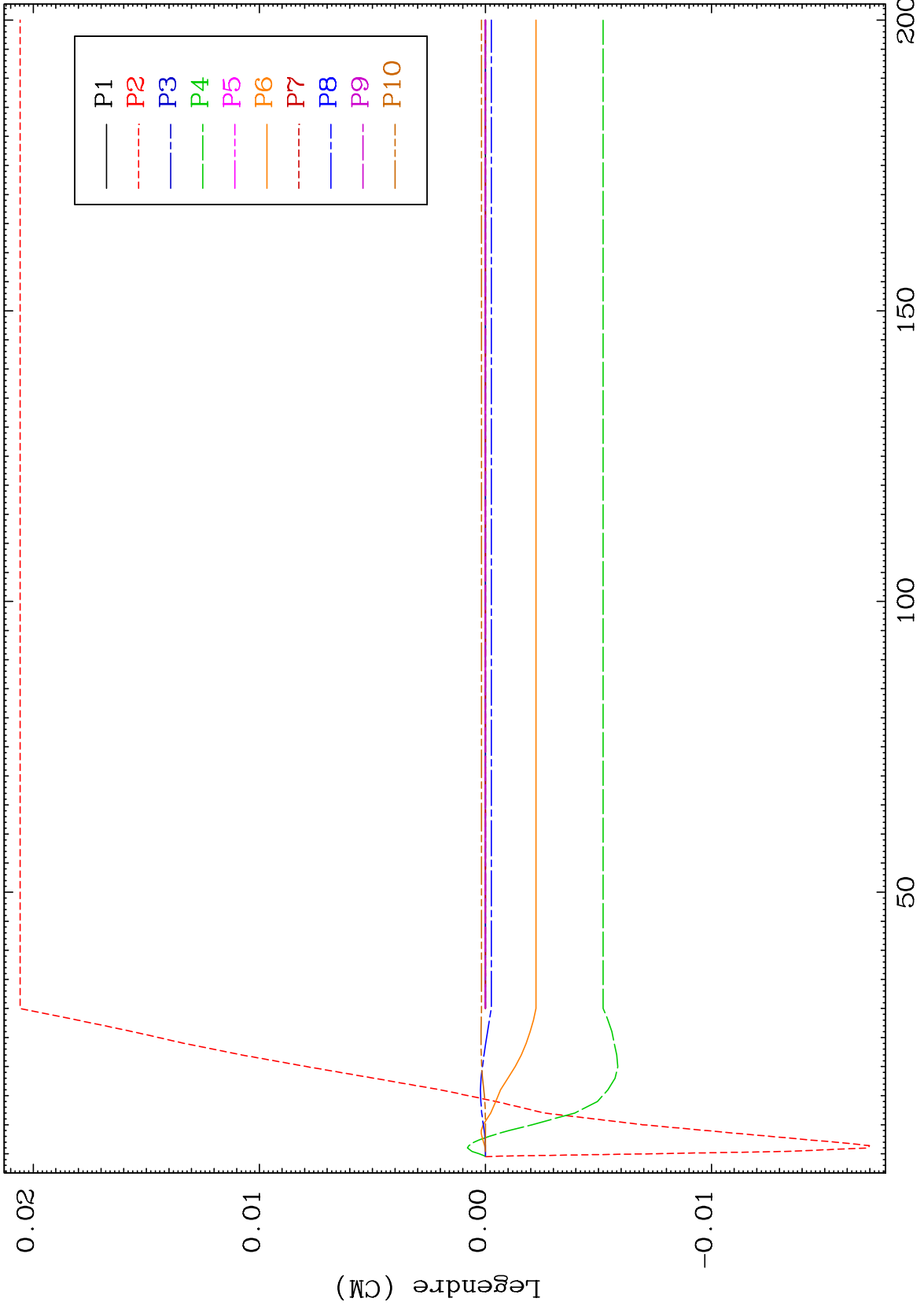
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



79

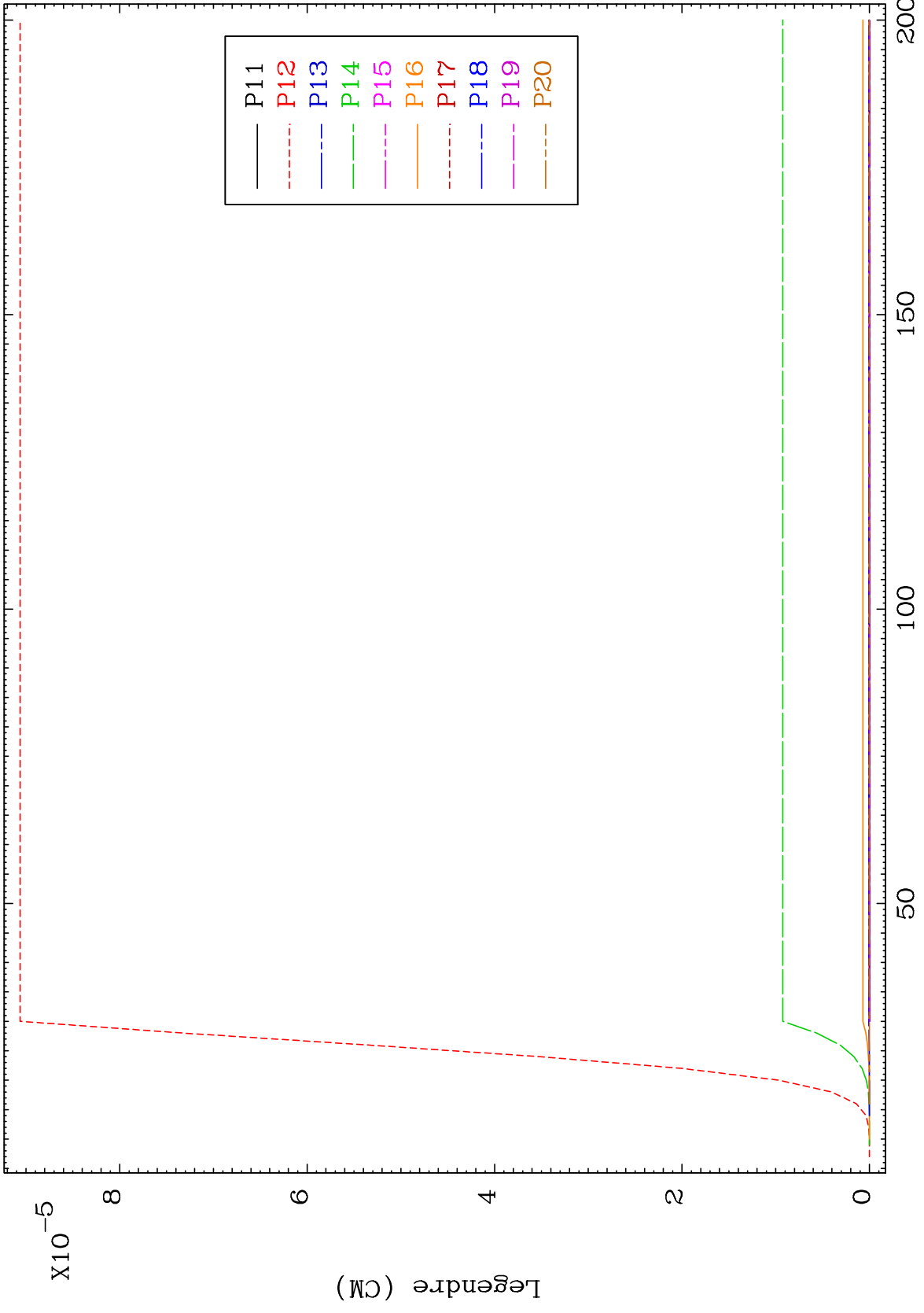
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52

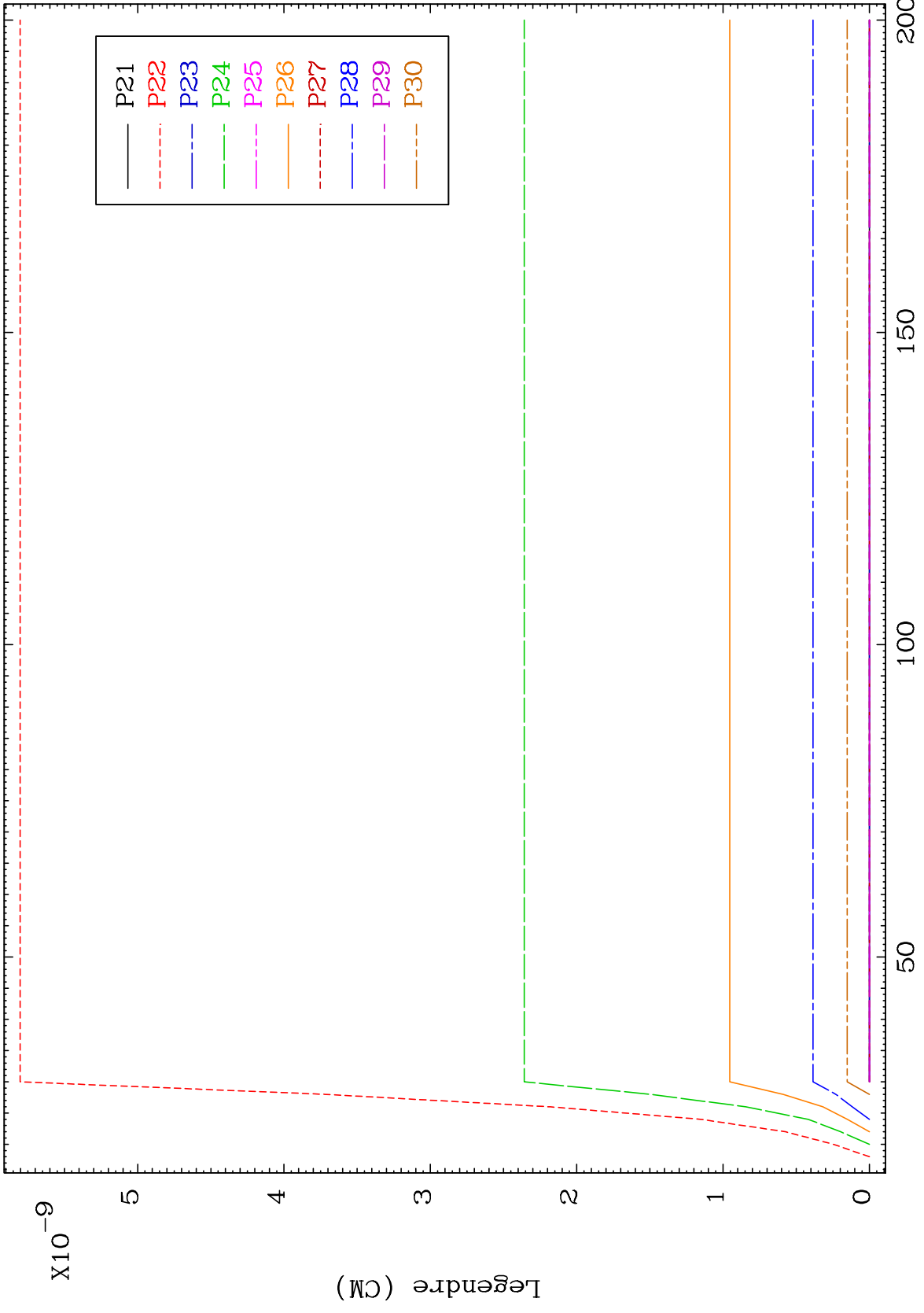


80

Incident Energy (MeV)

21-Sc-52

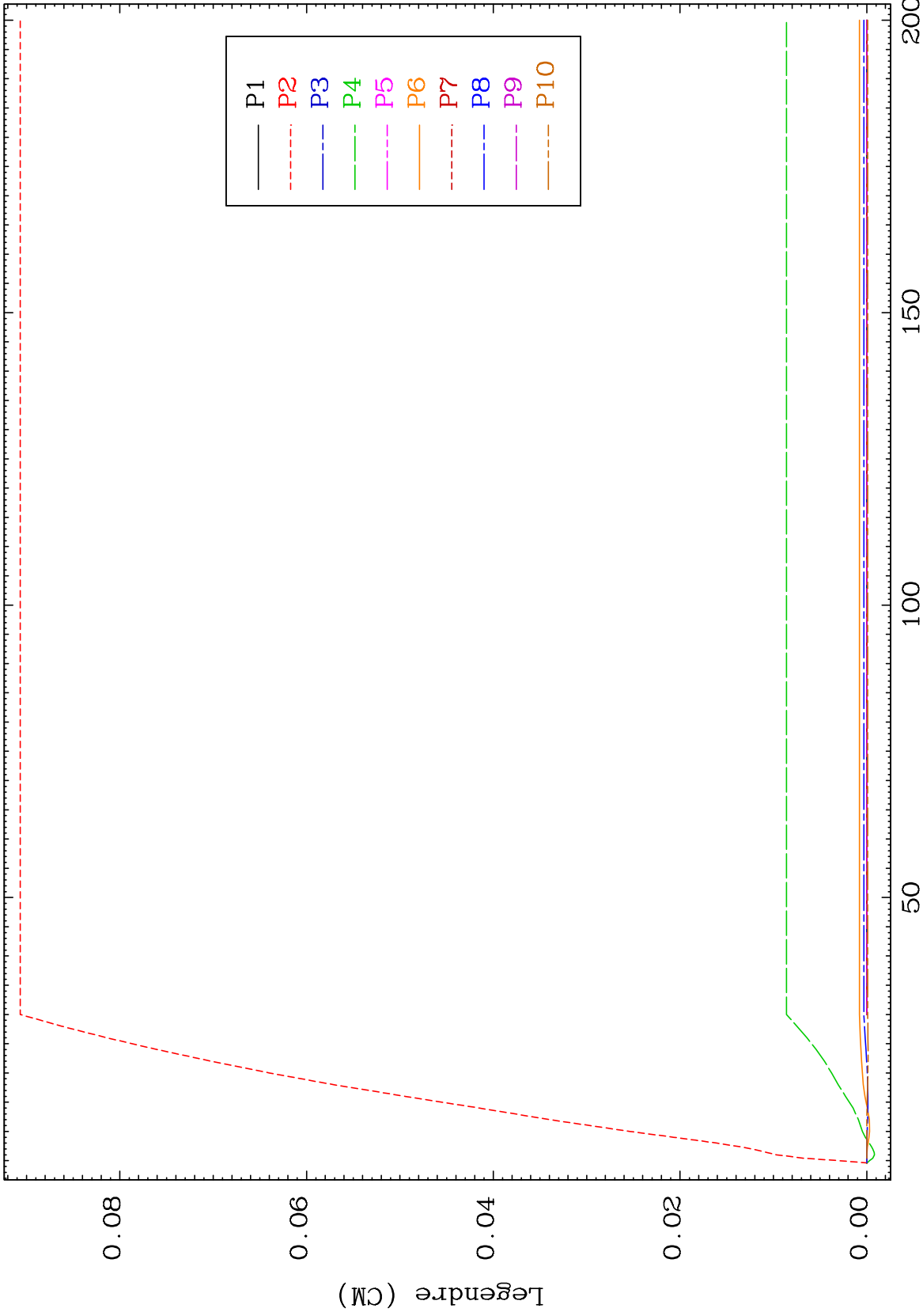
MAT 2146 MT= 72 (n,n') Level Legendre Coefficients 21-Sc-52



MAT 2146

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

21-Sc-52



82

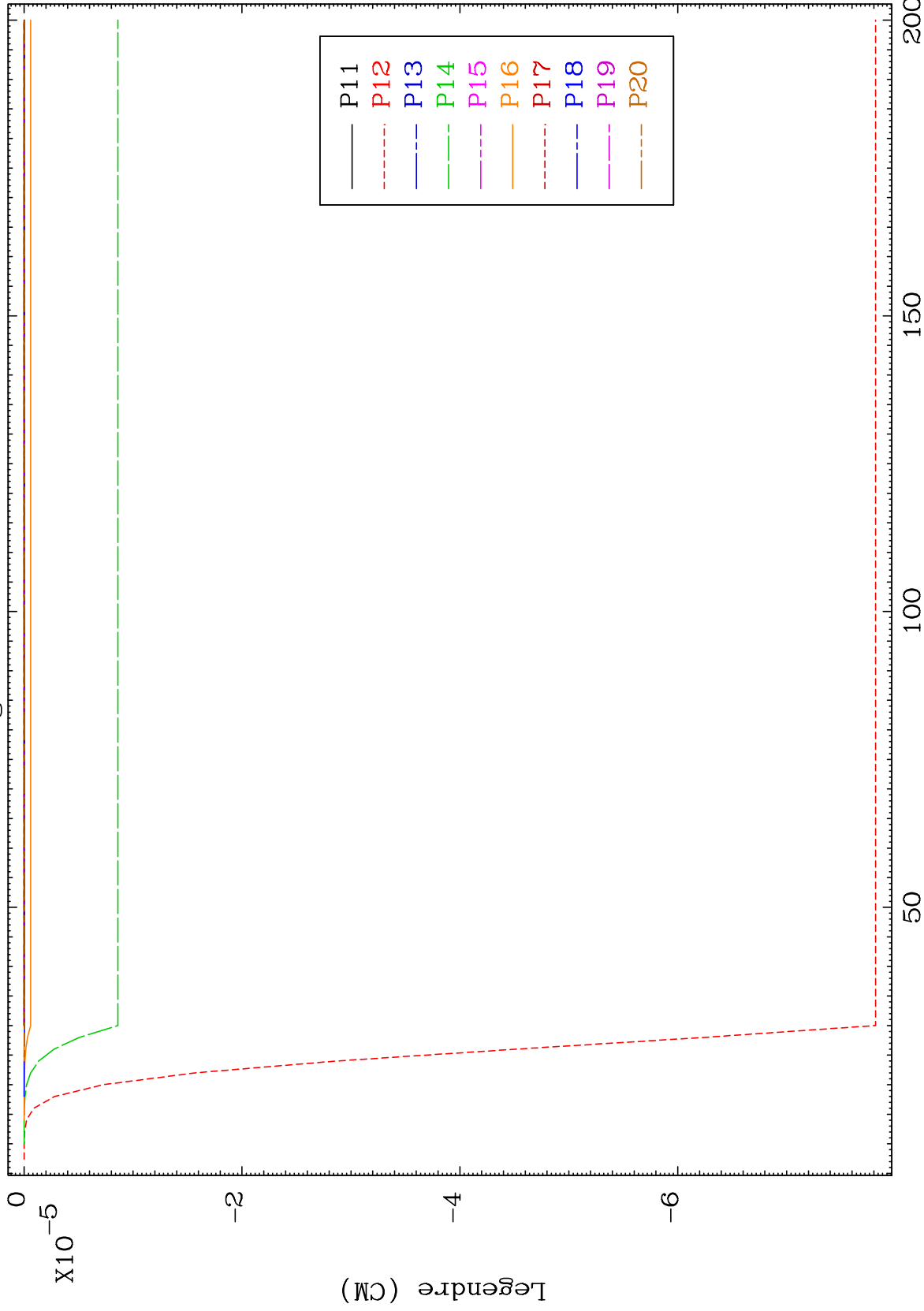
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



83

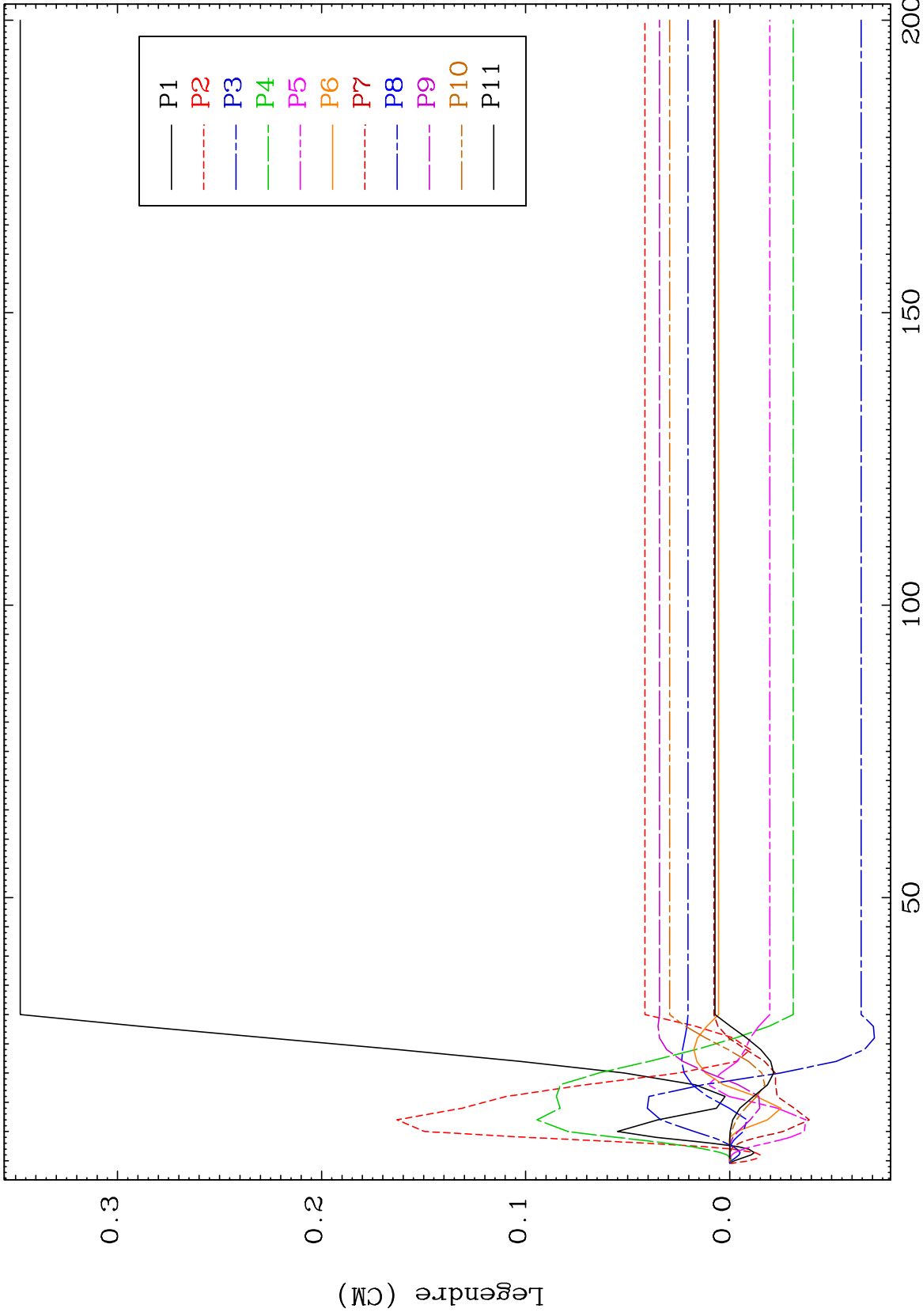
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



84

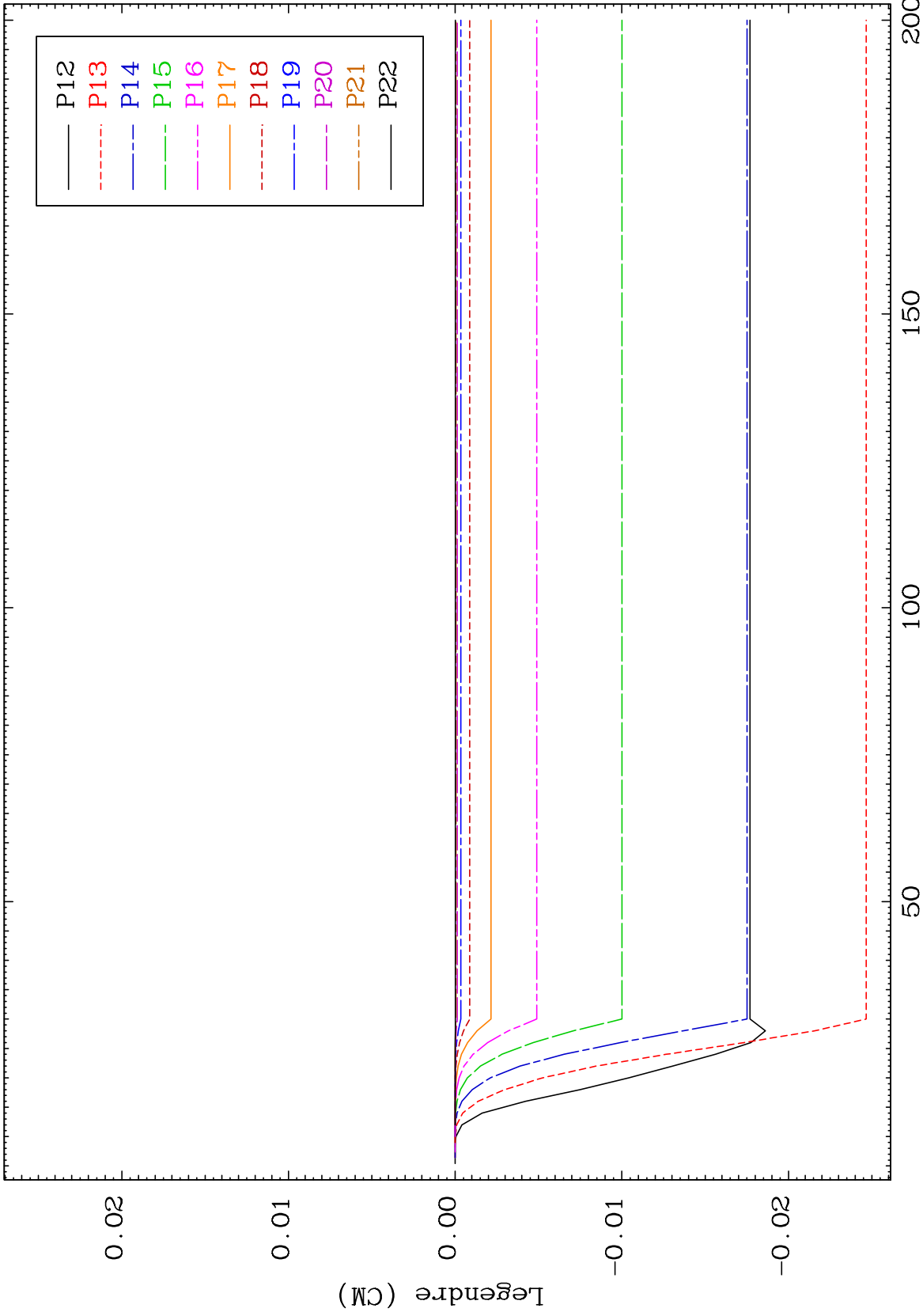
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

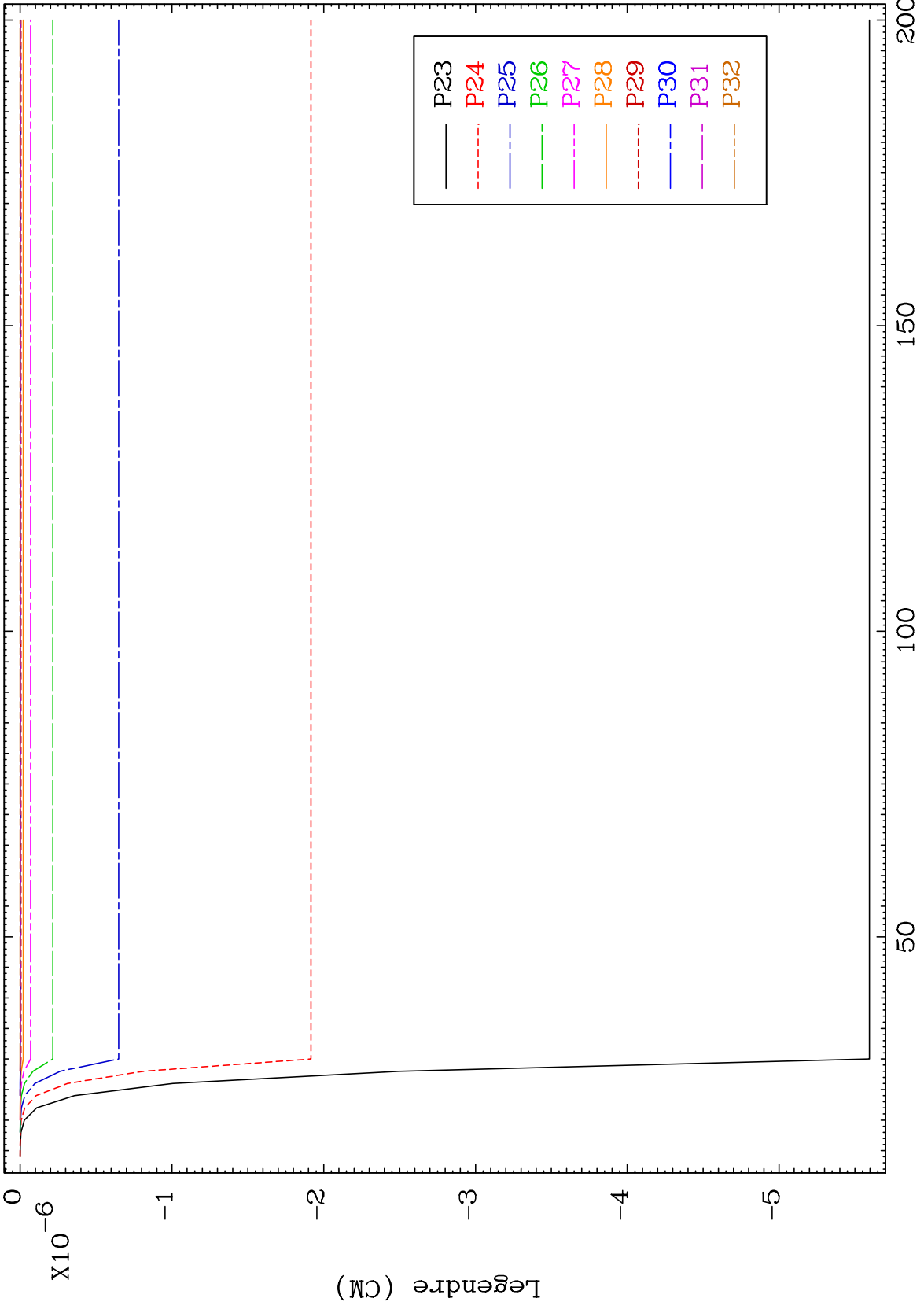
21-Sc-52



85

Incident Energy (MeV)

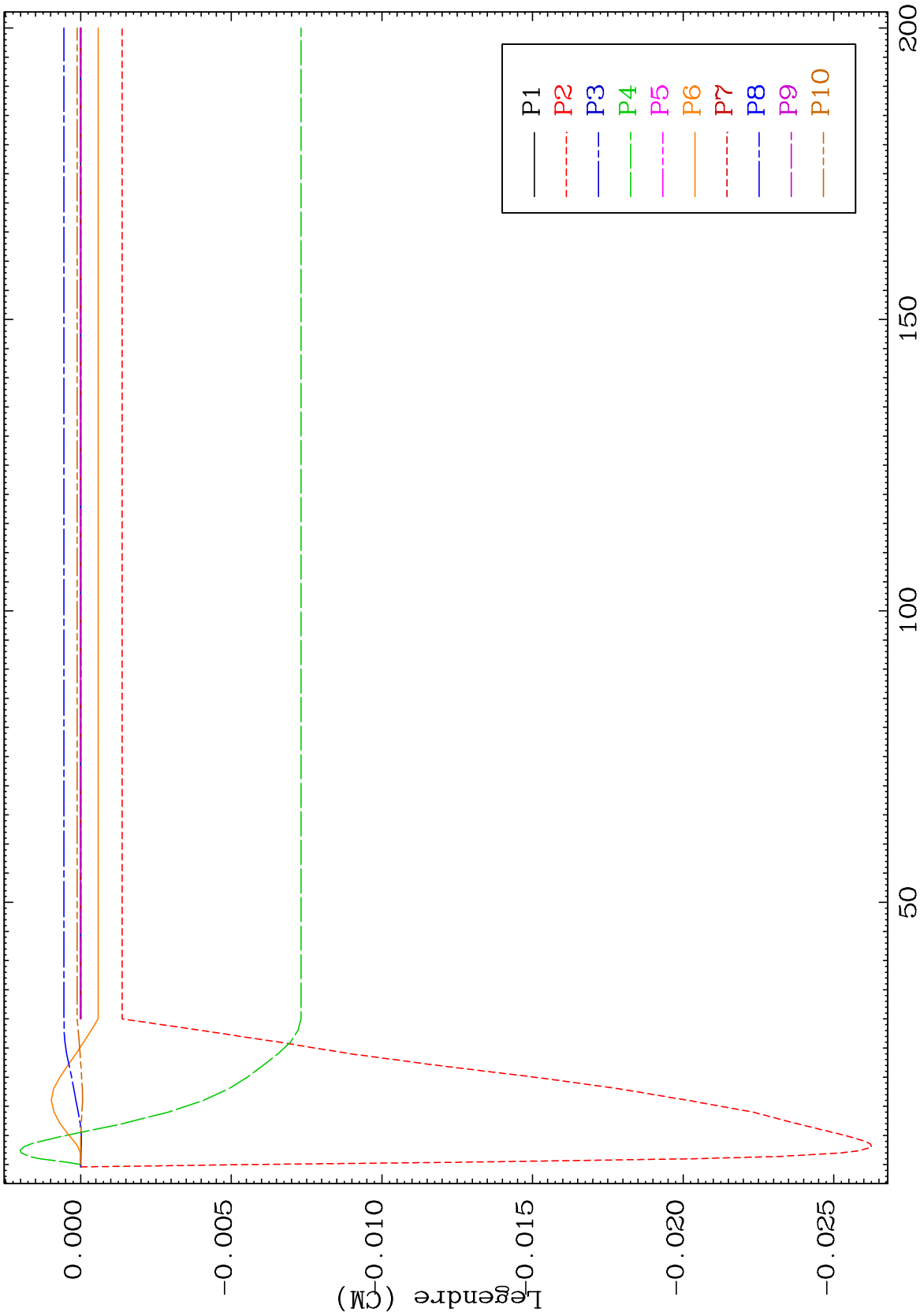
21-Sc-52



MAT 2146

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

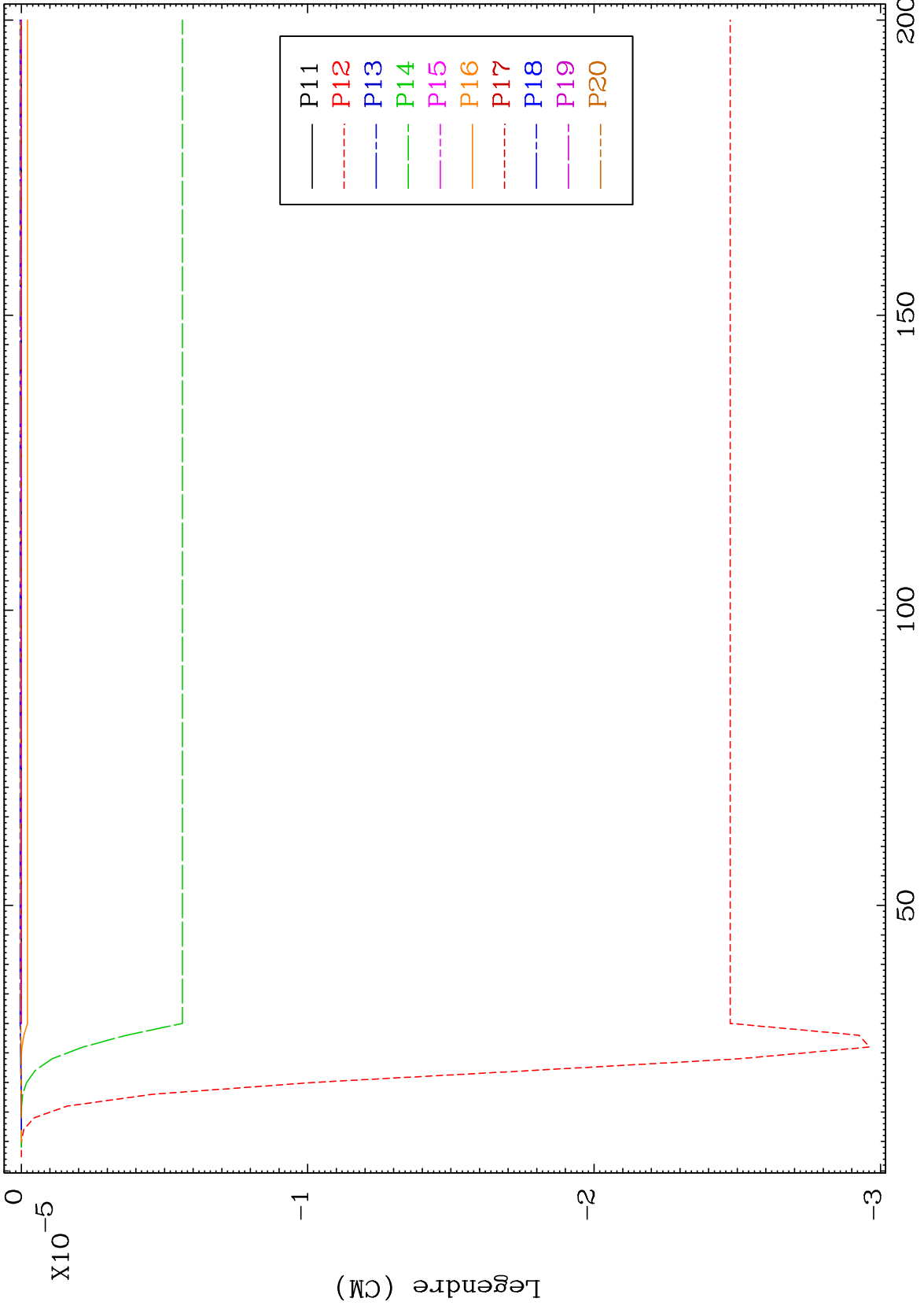
21-Sc-52



87

Incident Energy (MeV)

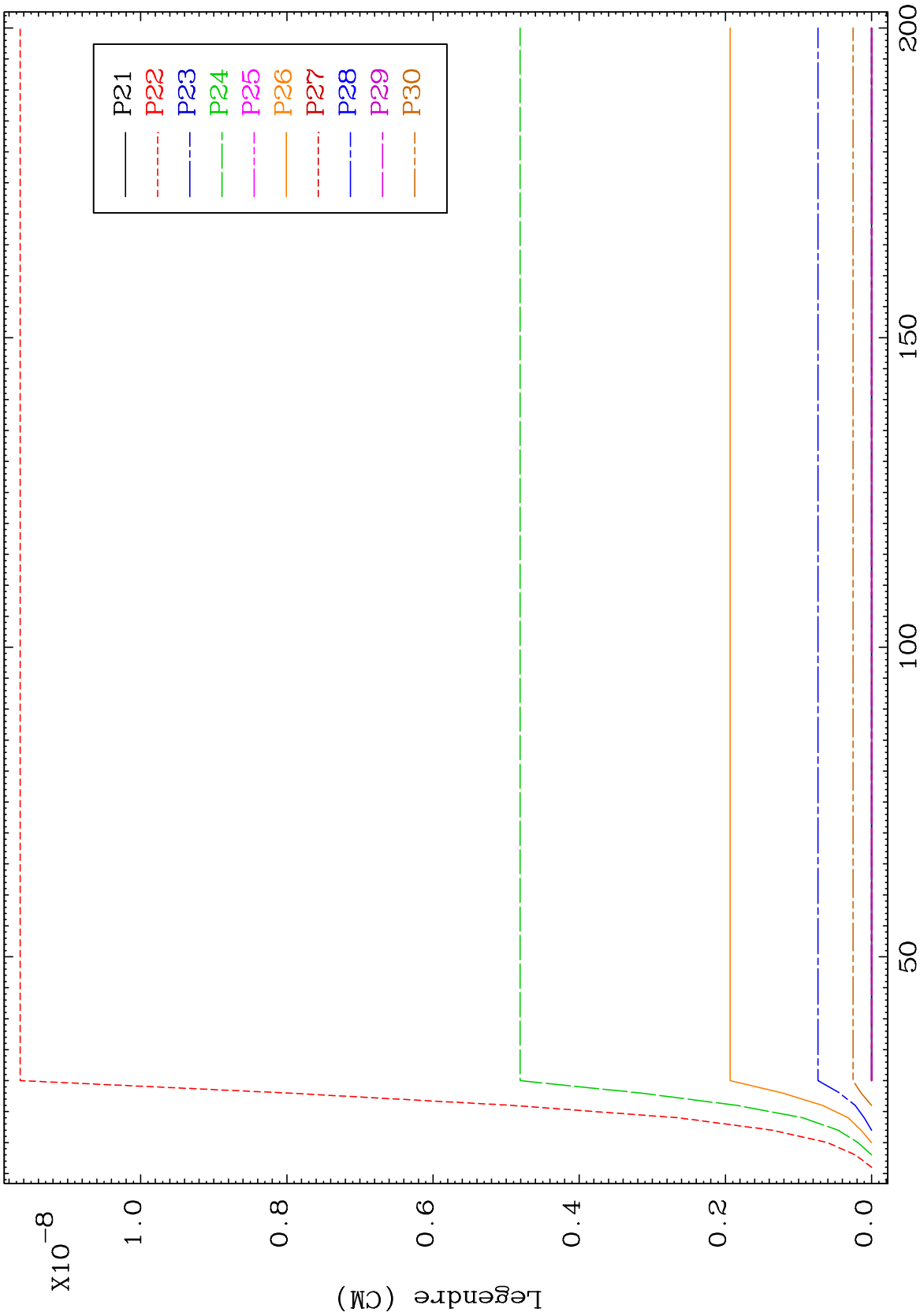
21-Sc-52



MAT 2146

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

21-Sc-52



89

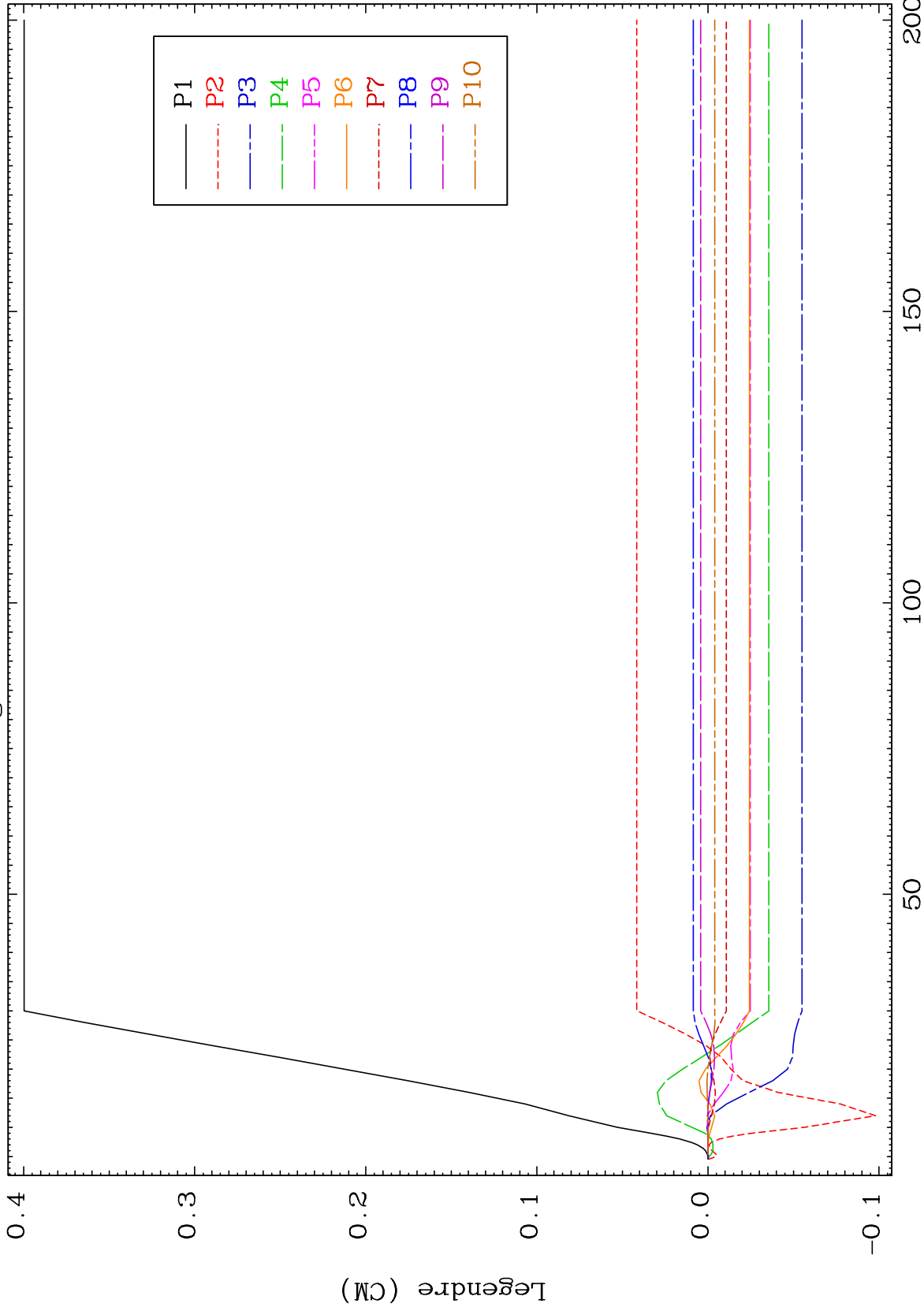
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



90

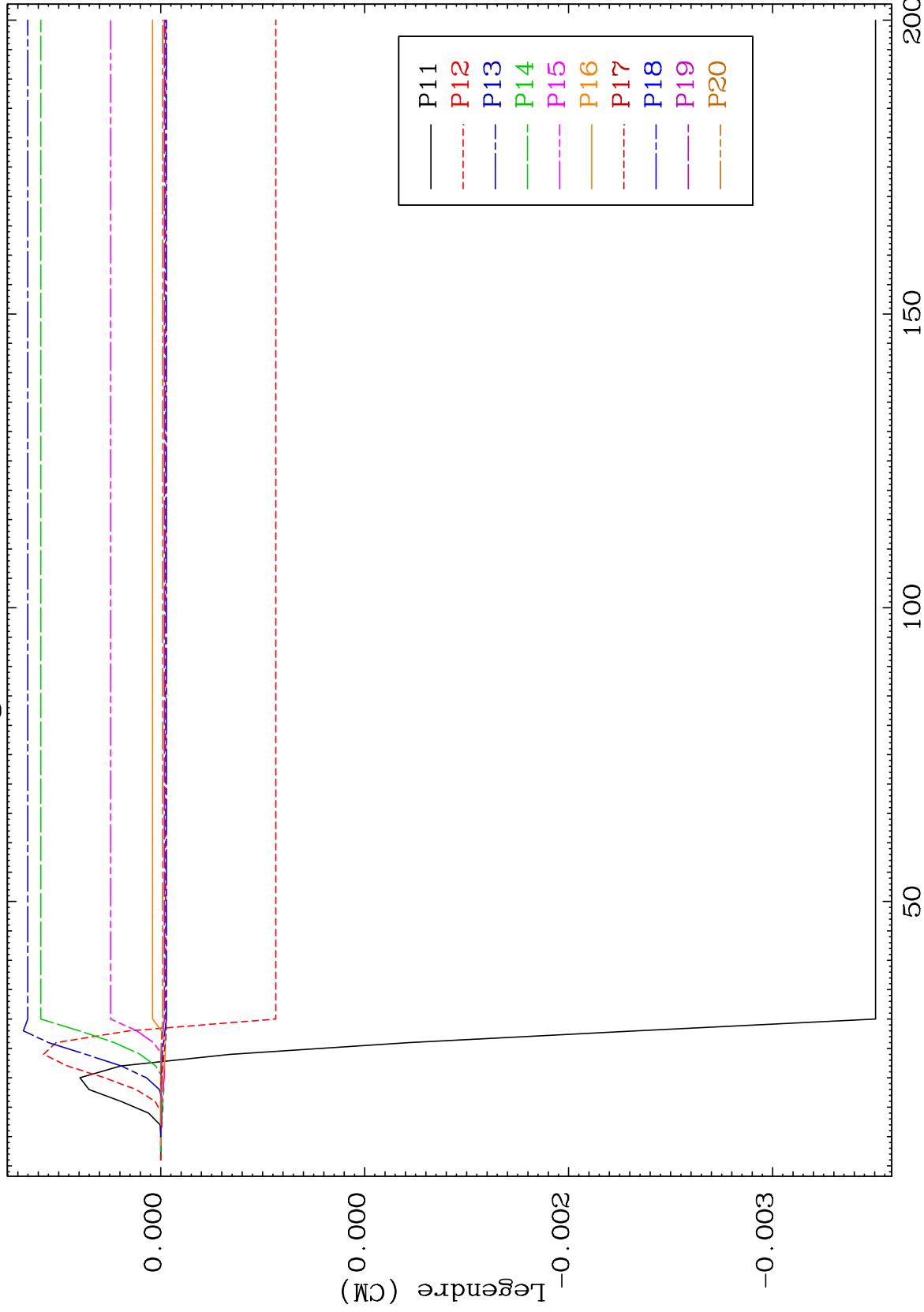
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

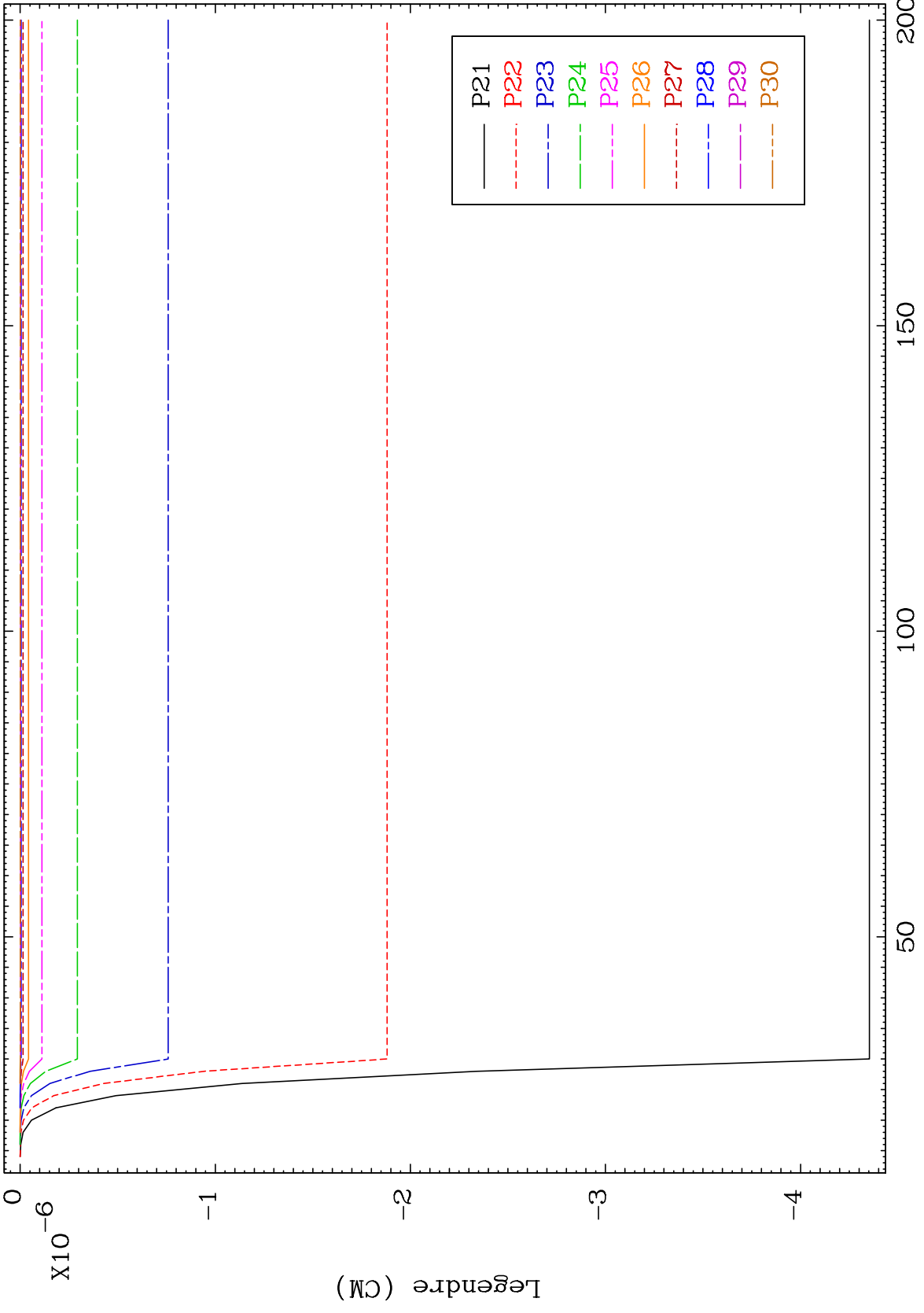
21-Sc-52



91

Incident Energy (MeV)

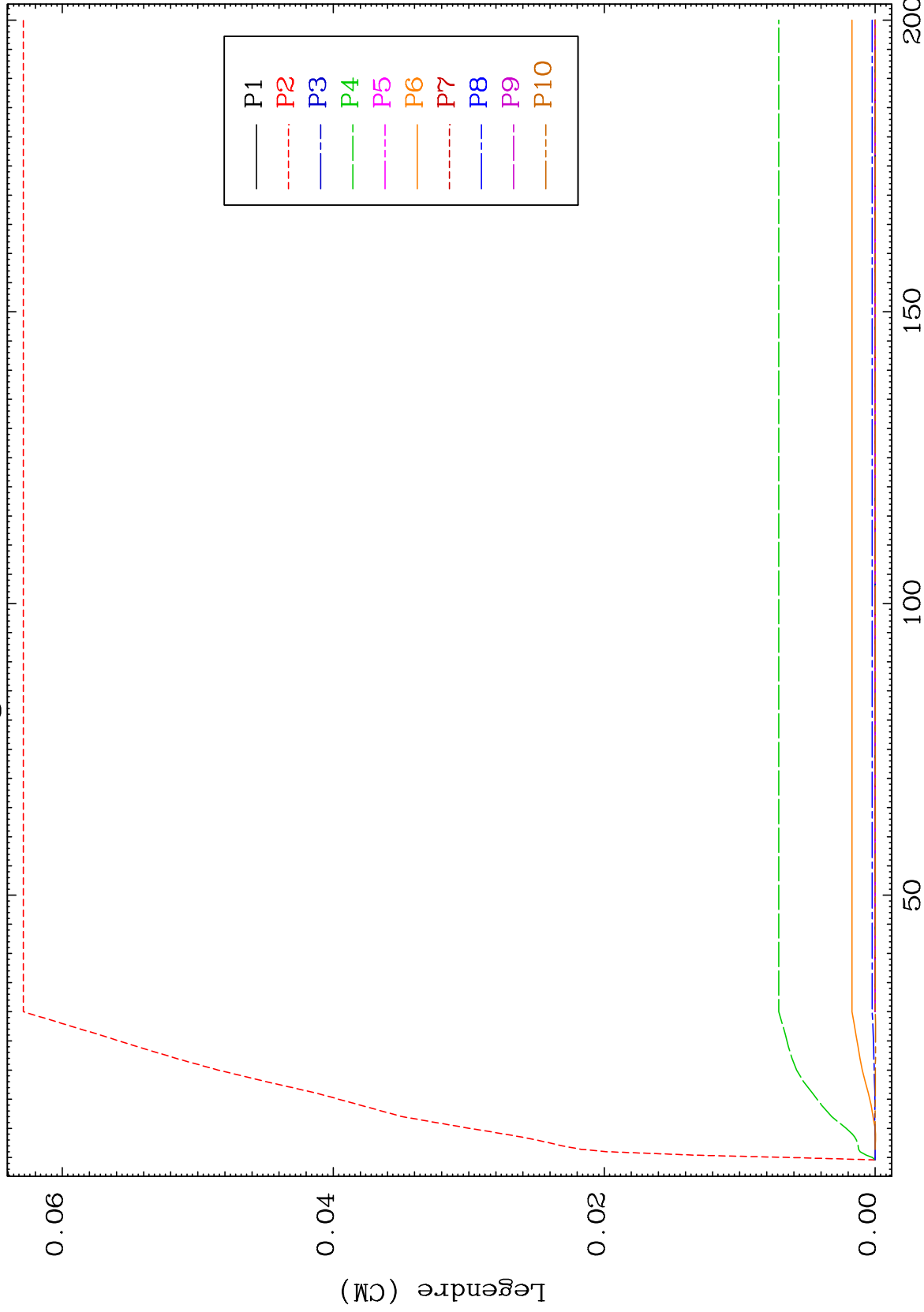
21-Sc-52



MAT 2146

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

21-Sc-52



93

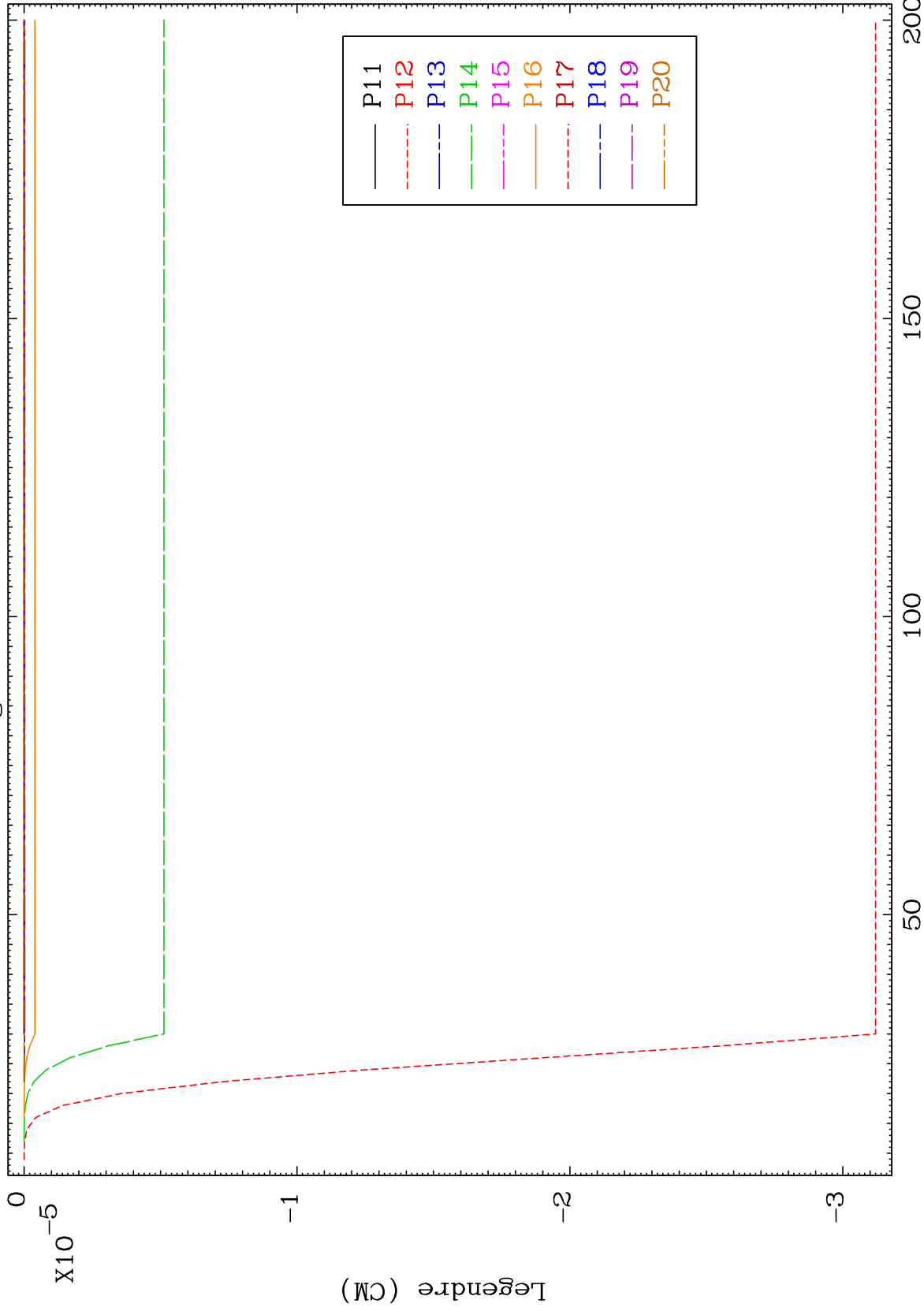
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



94

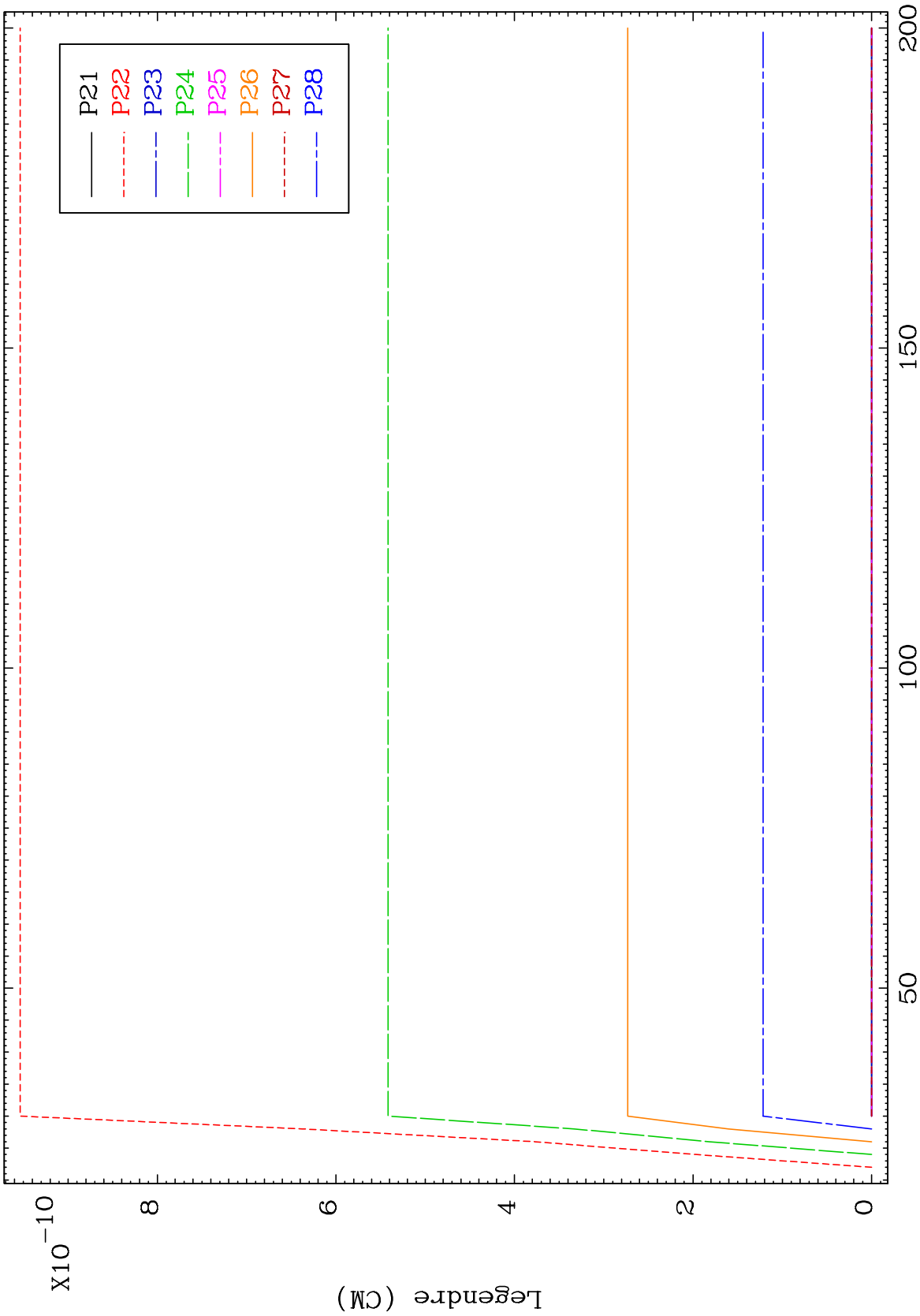
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



95

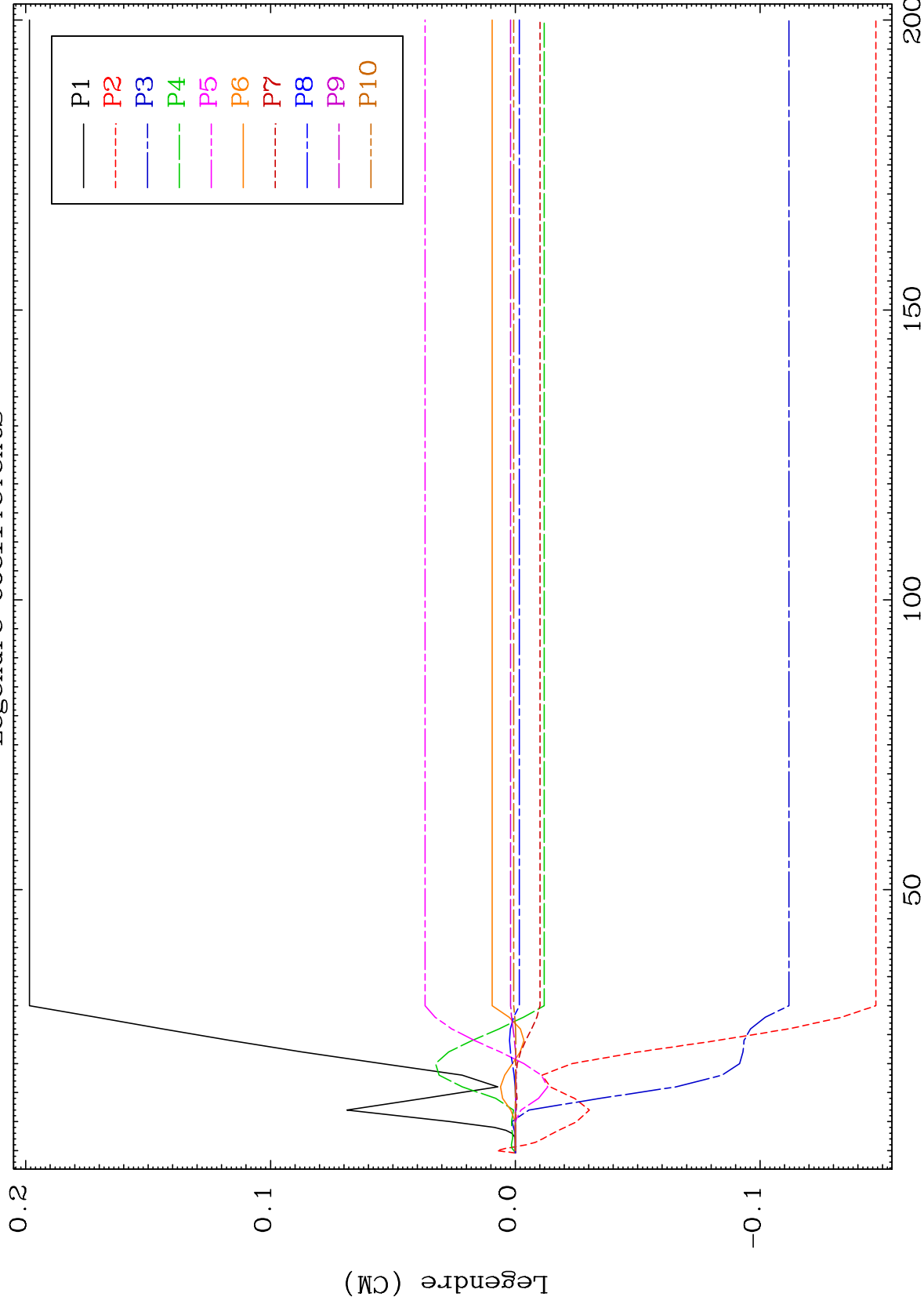
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



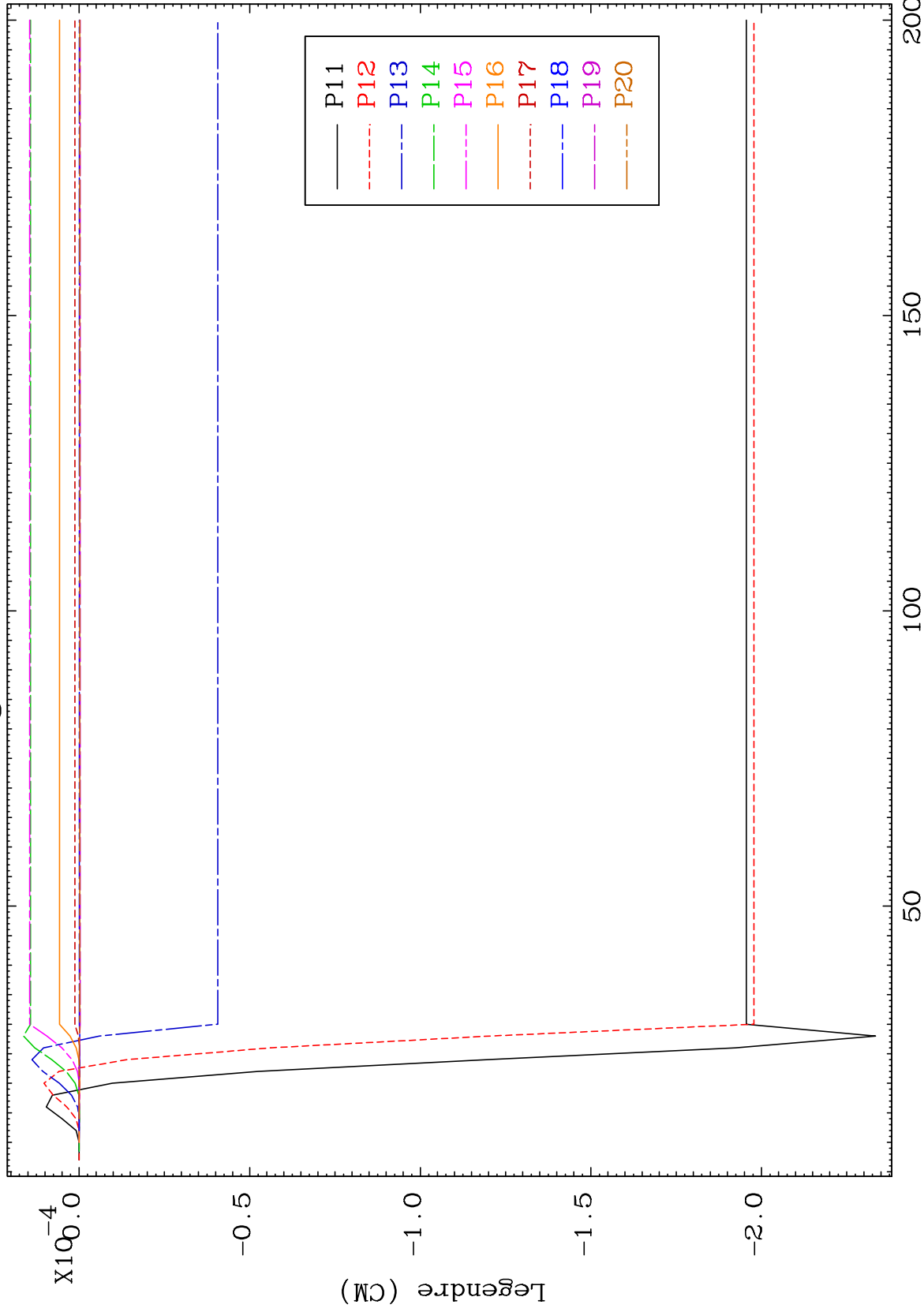
96

21-Sc-52

MAT 2146

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

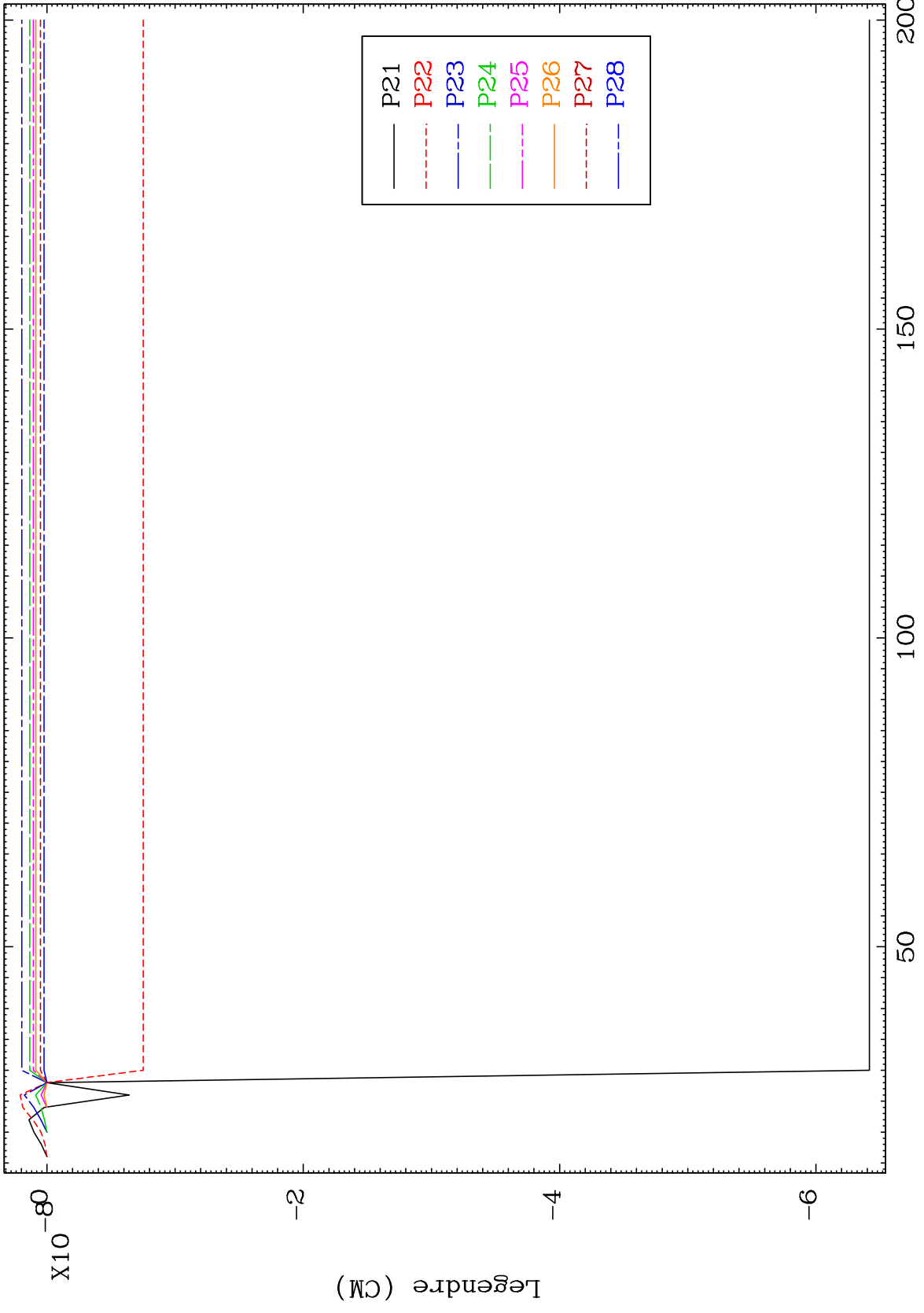
21-Sc-52



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21-Sc-52

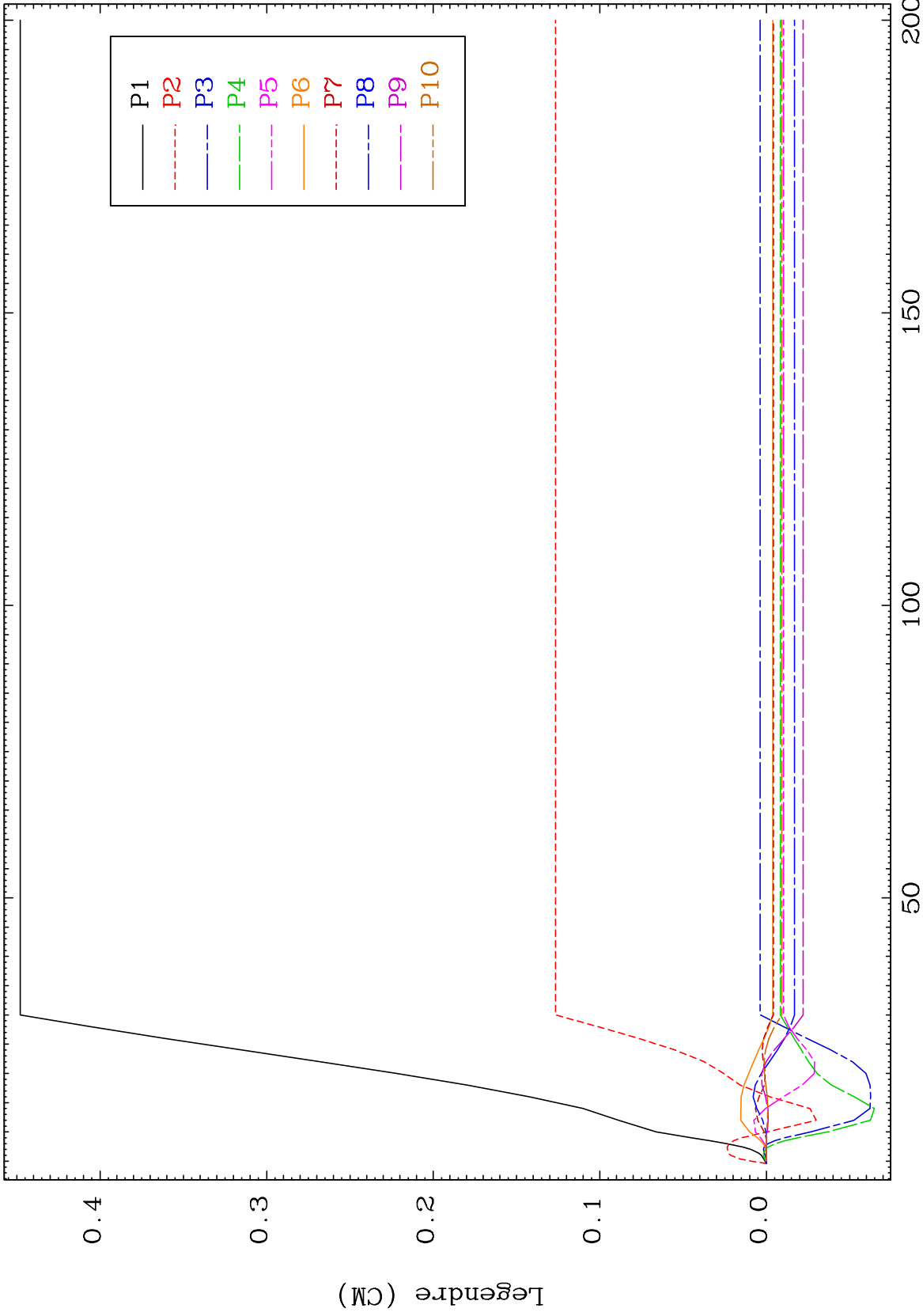
MAT 2146 MT= 78 (n,n') Level Legendre Coefficients 21-Sc-52



MAT 2146

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

21-Sc-52



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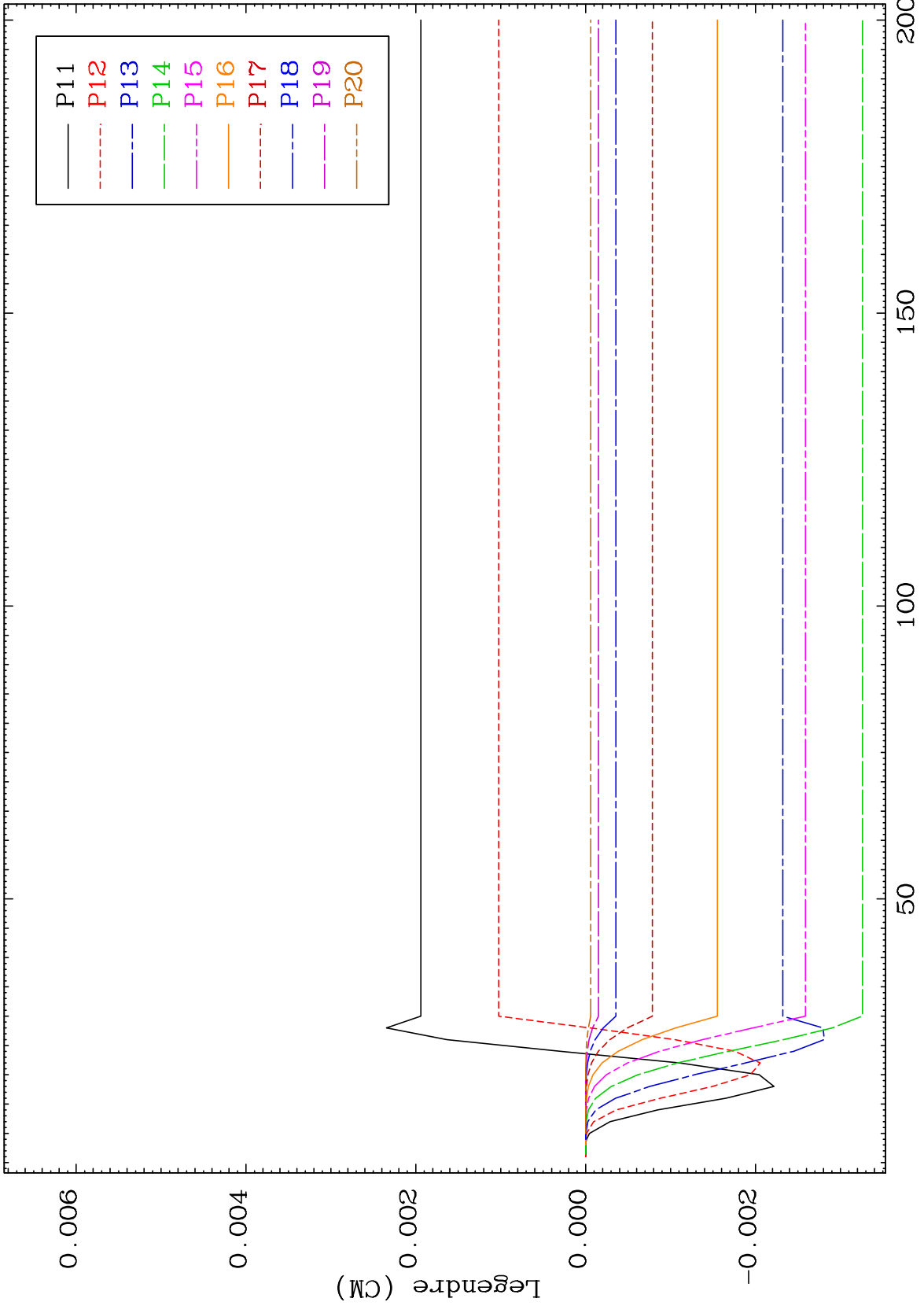
Incident Energy (MeV)

21-Sc-52

MAT 2146

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

21-Sc-52



21-Sc-52

Incident Energy (MeV)

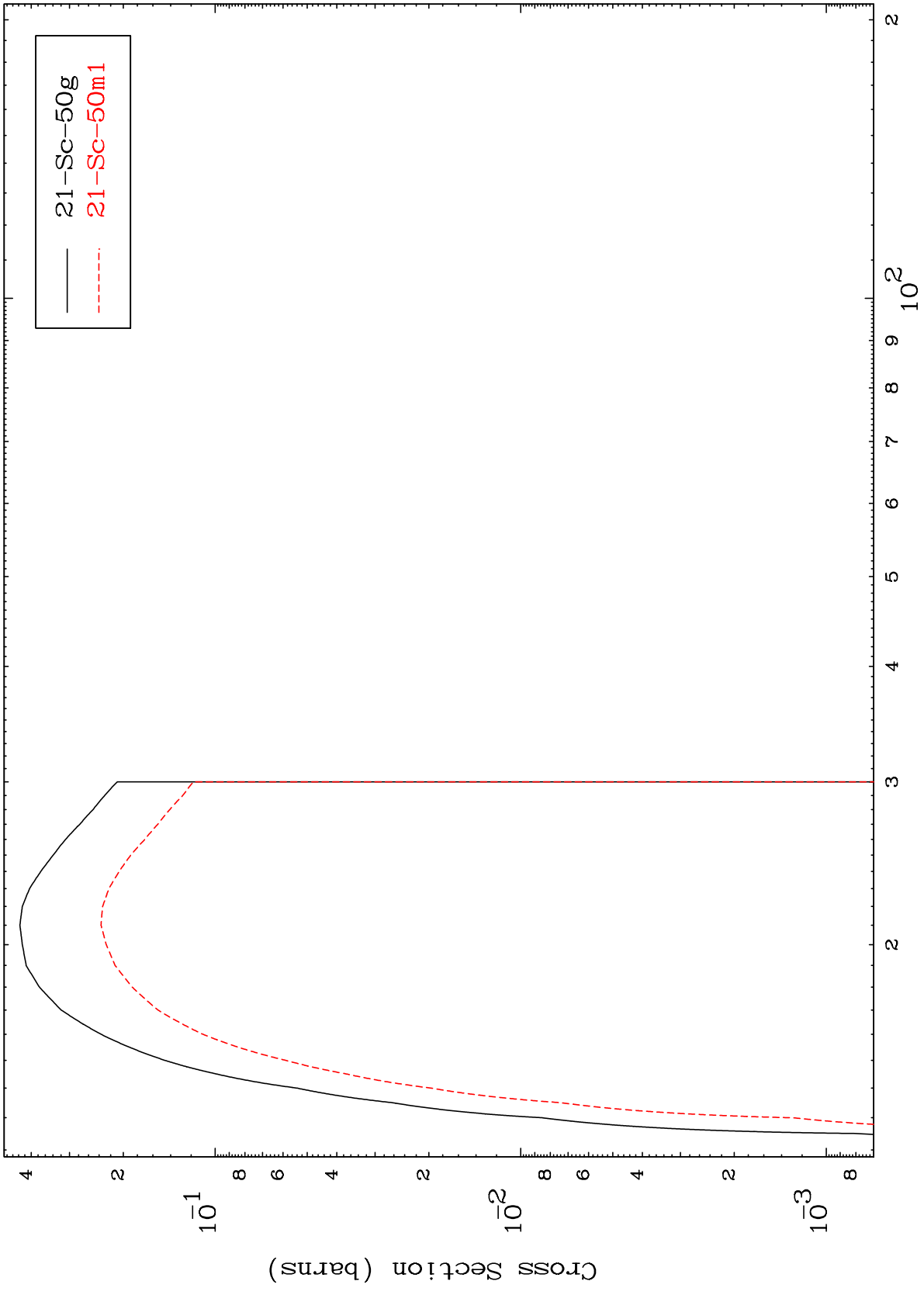
100

MAT 2146

(n,3n)

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Radionuclide Production Cross Section



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Incident Energy (MeV)

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