

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

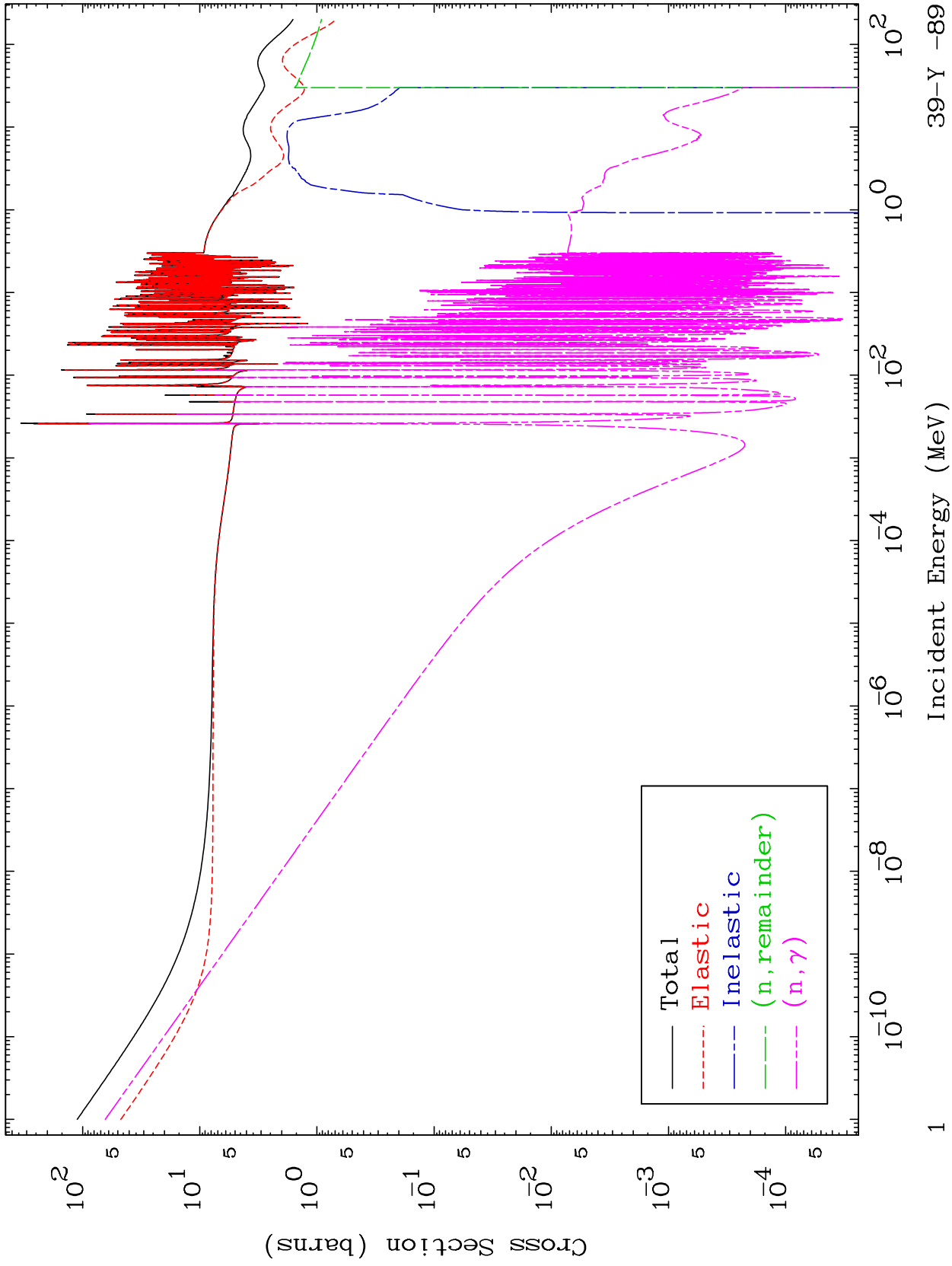
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

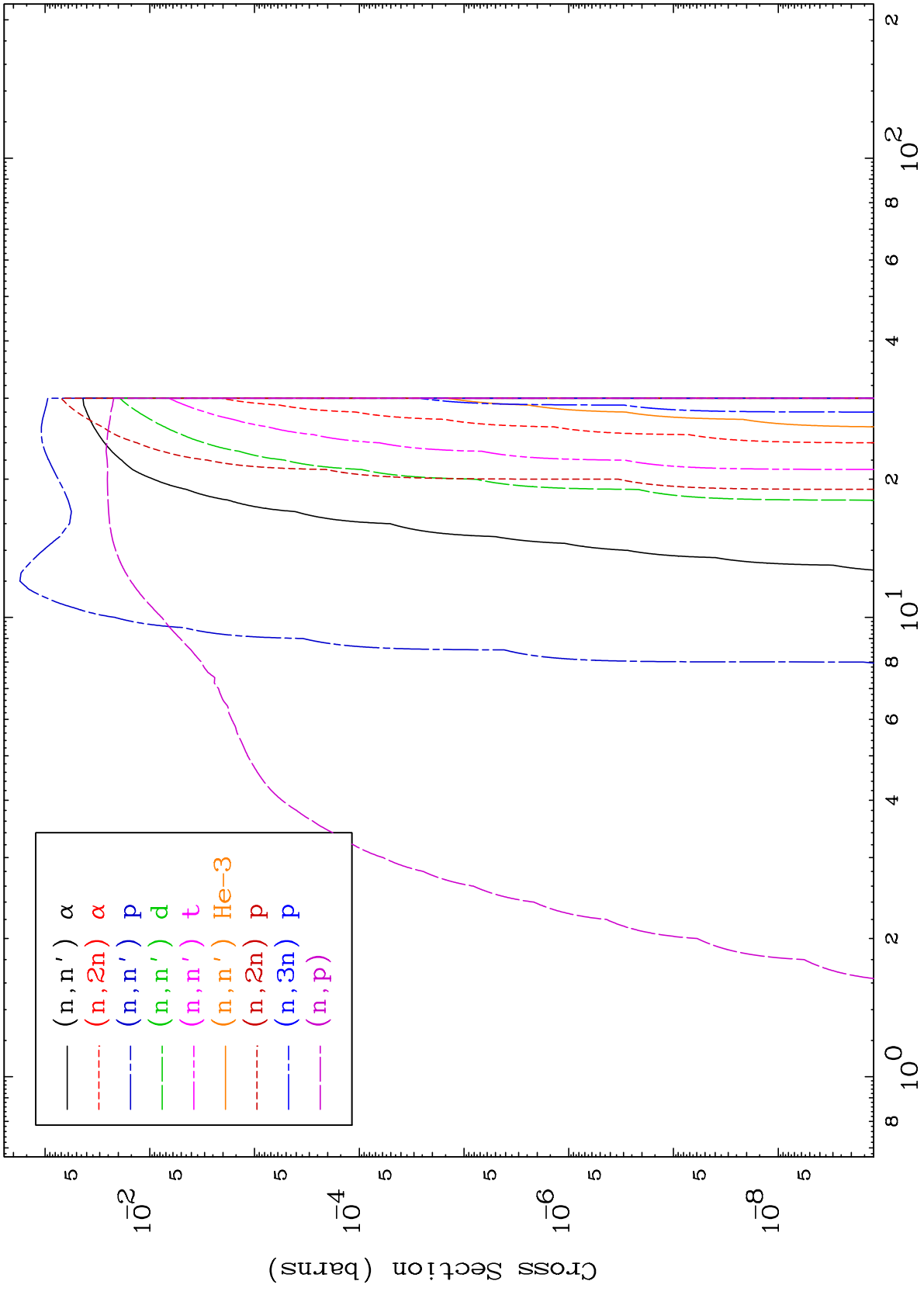
Press Mouse Button to Start

MAT 3925

Major
293 Kelvin Cross Sections

39-Y -89

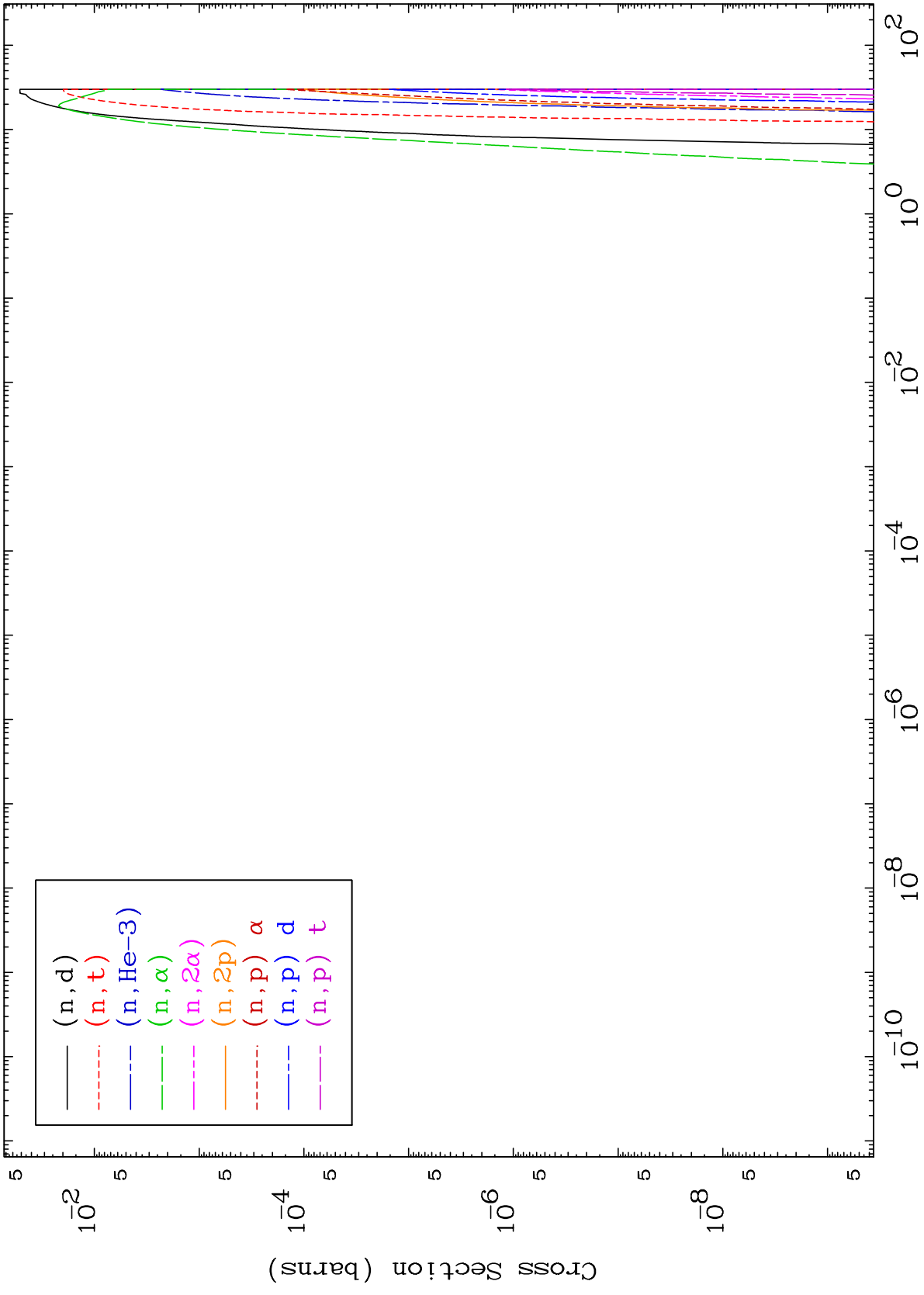




MAT 3925

293 Kelvin Cross Sections

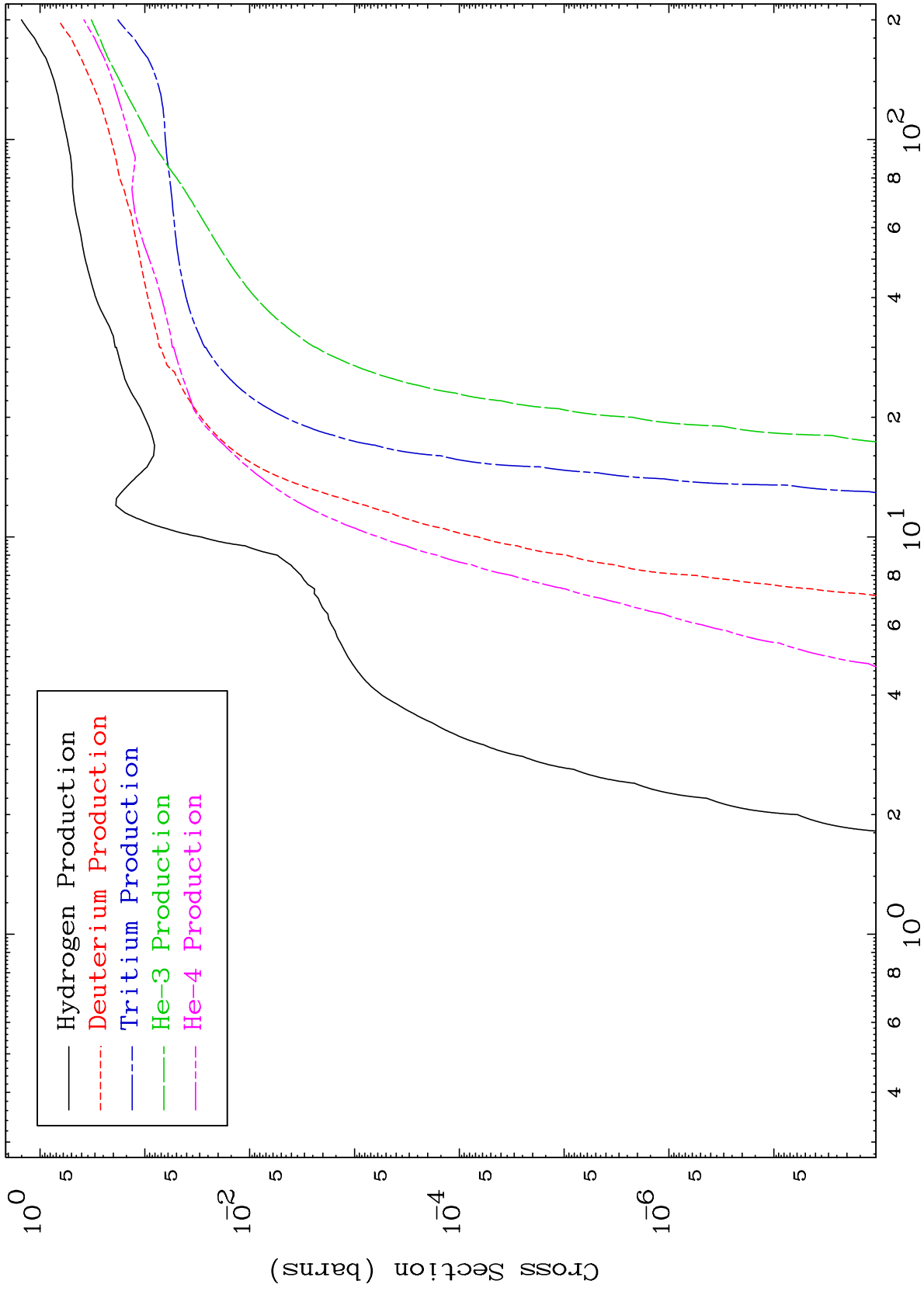
39-Y -89



MAT 3925

Particle Production
293 Kelvin Cross Sections

39-Y -89



5

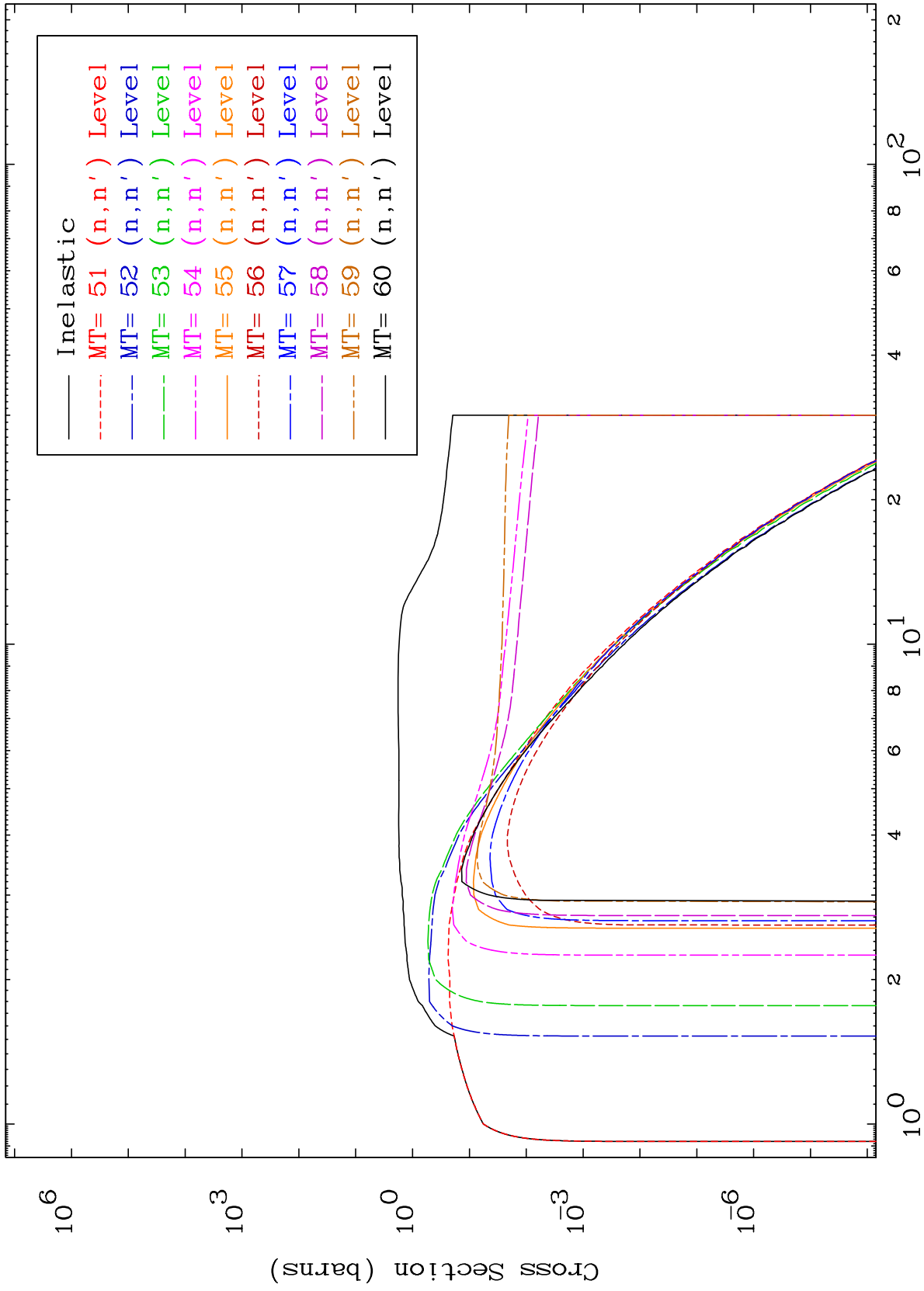
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,n') Level
293 Kelvin Cross Sections

39-Y -89



Incident Energy (MeV)

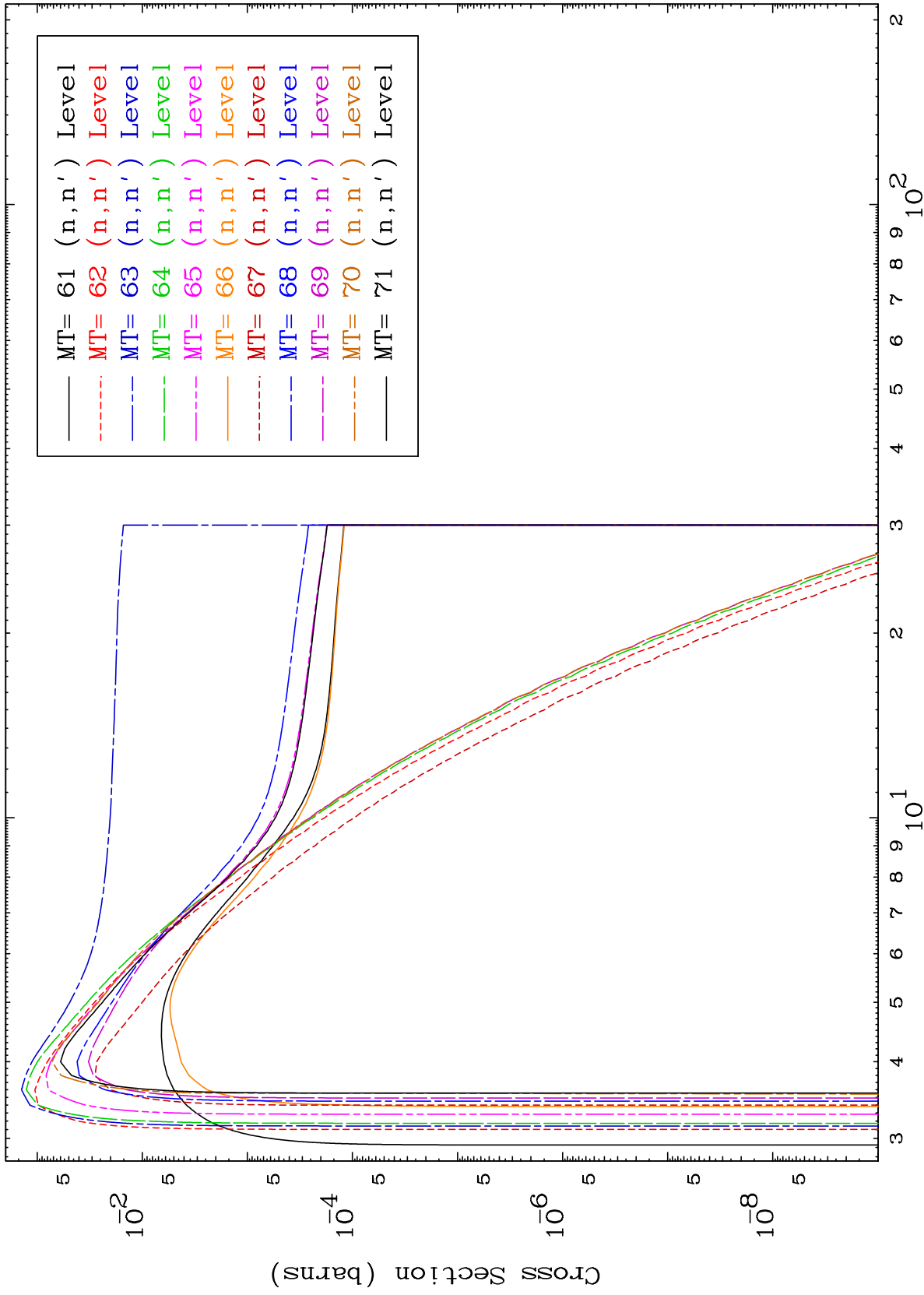
39-Y -89

MAT 3925

(n,n') Level

293 Kelvin Cross Sections

39-Y -89



7

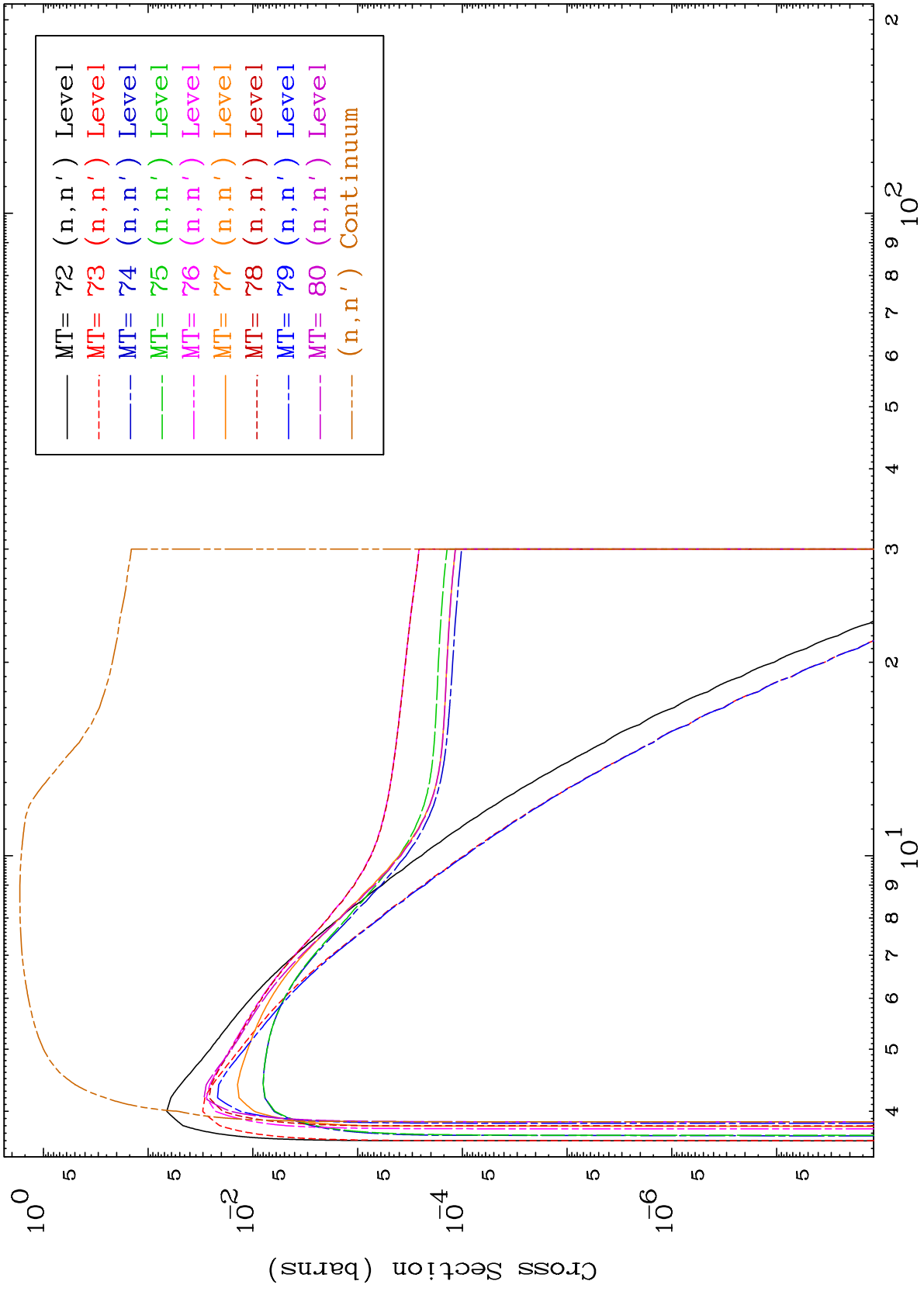
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,n') Level
293 Kelvin Cross Sections

39-Y -89



8

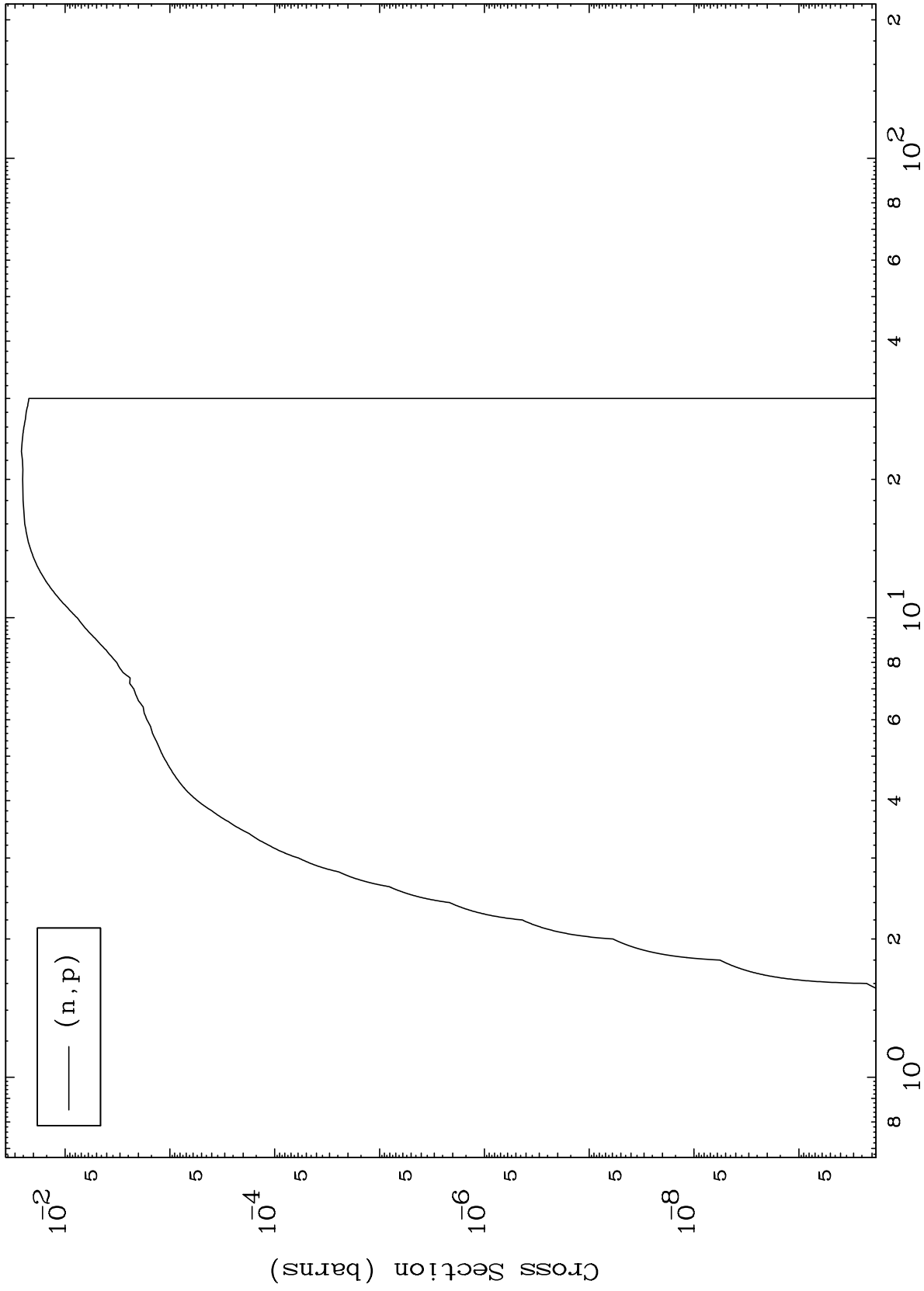
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,p) Levels
293 Kelvin Cross Sections

39-Y -89



9

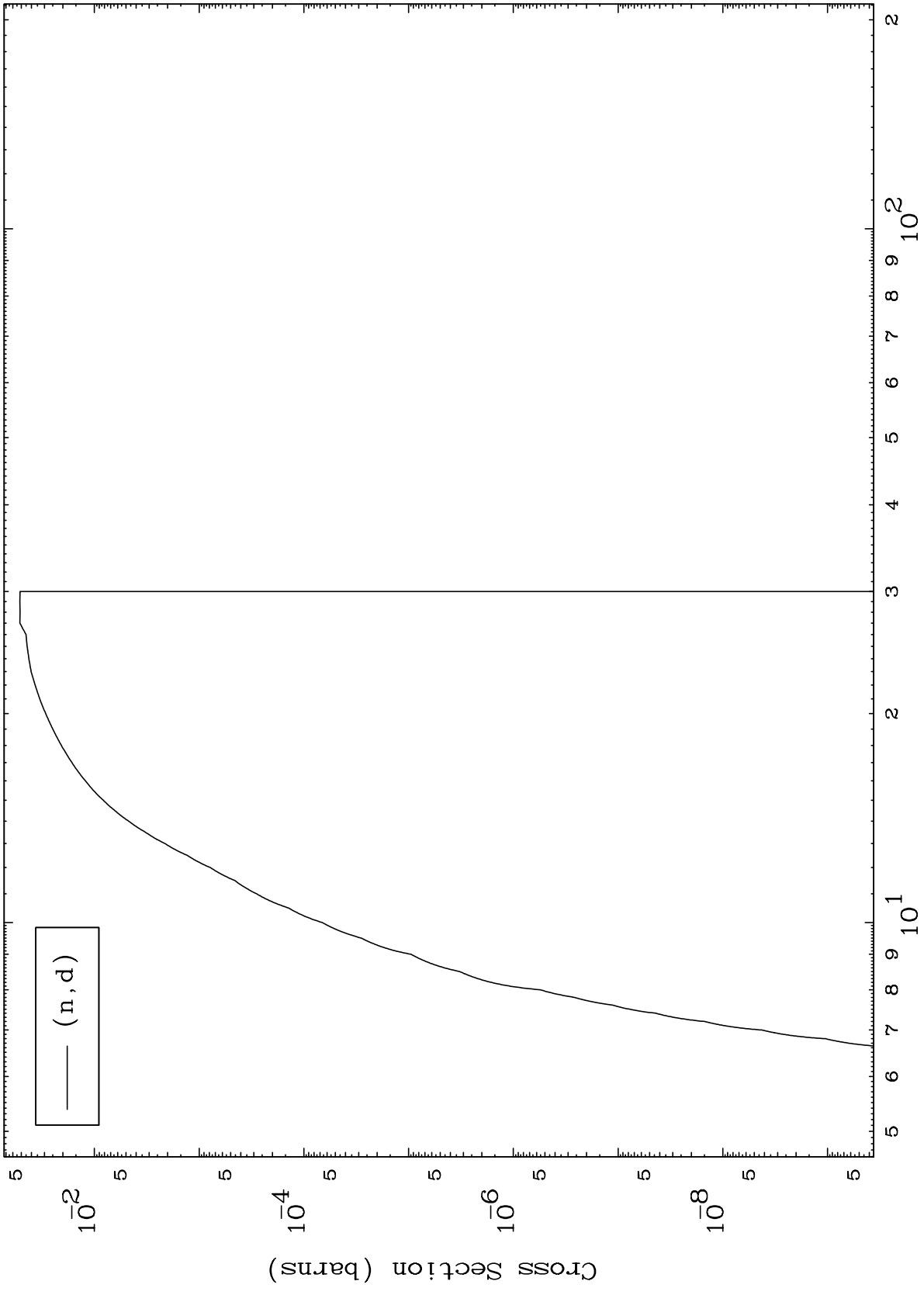
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,d) Levels
293 Kelvin Cross Sections

39-Y -89



10

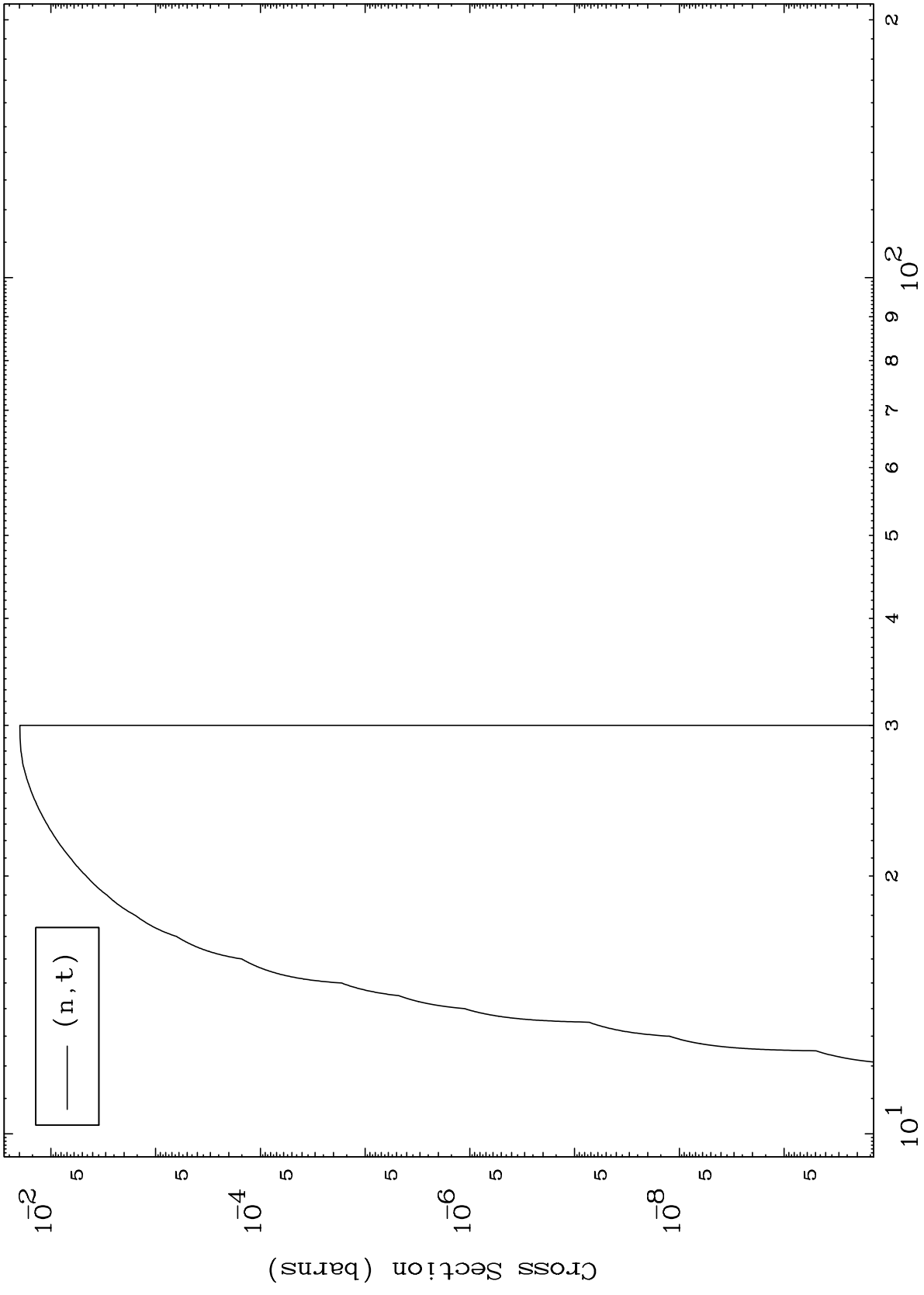
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,t) Levels
293 Kelvin Cross Sections

39-Y -89



11

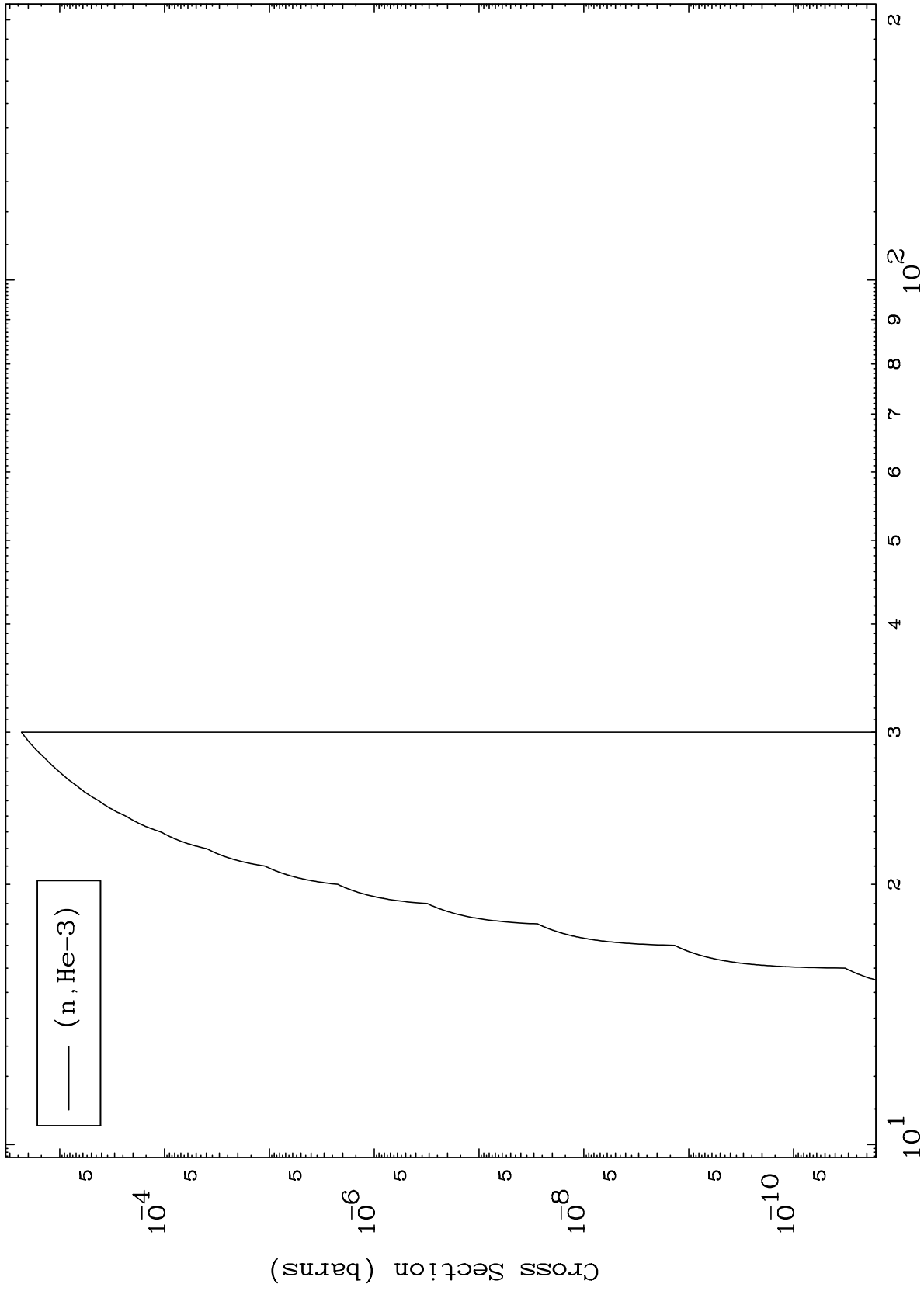
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -89



12

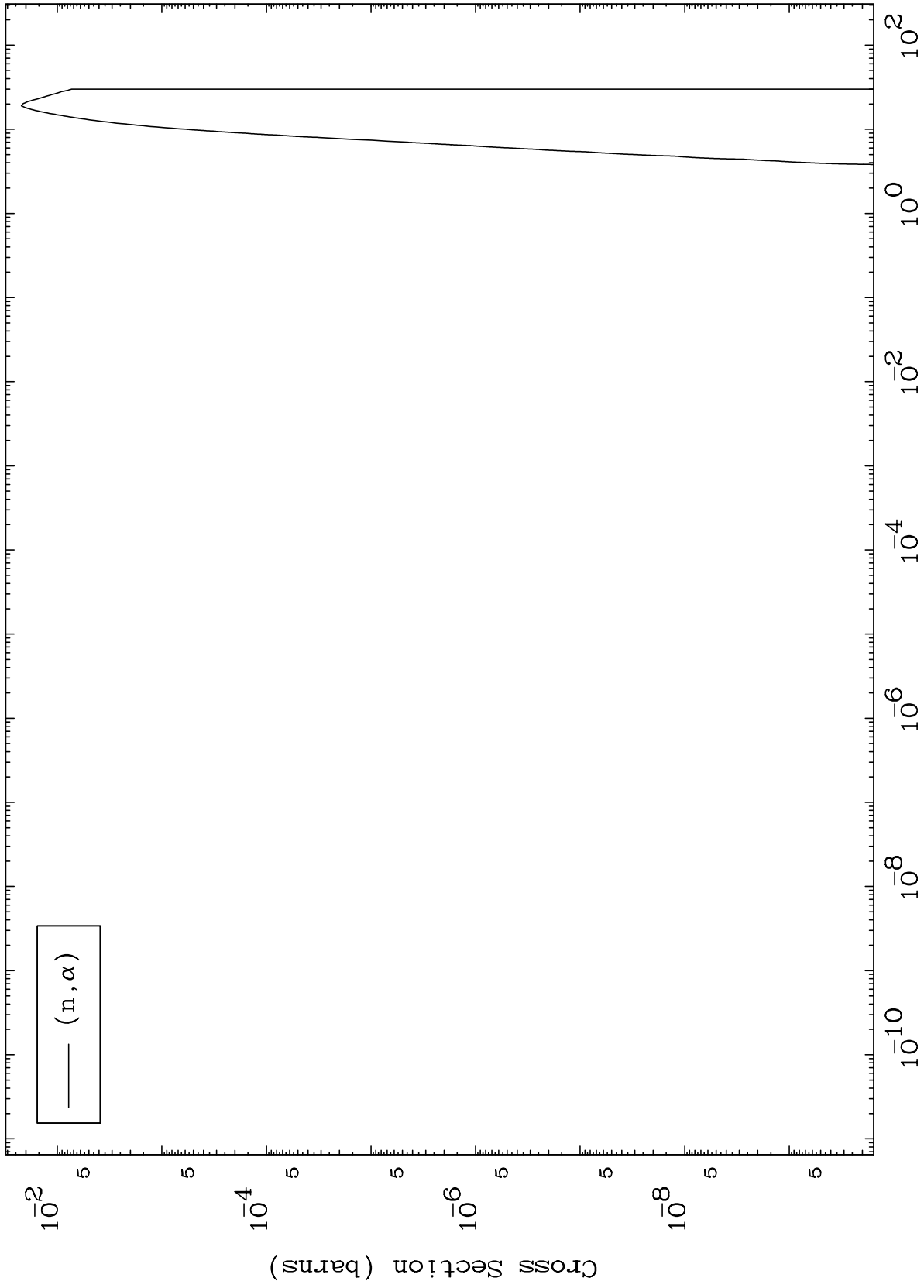
Incident Energy (MeV)

39-Y -89

MAT 3925

(n, α) Levels
293 Kelvin Cross Sections

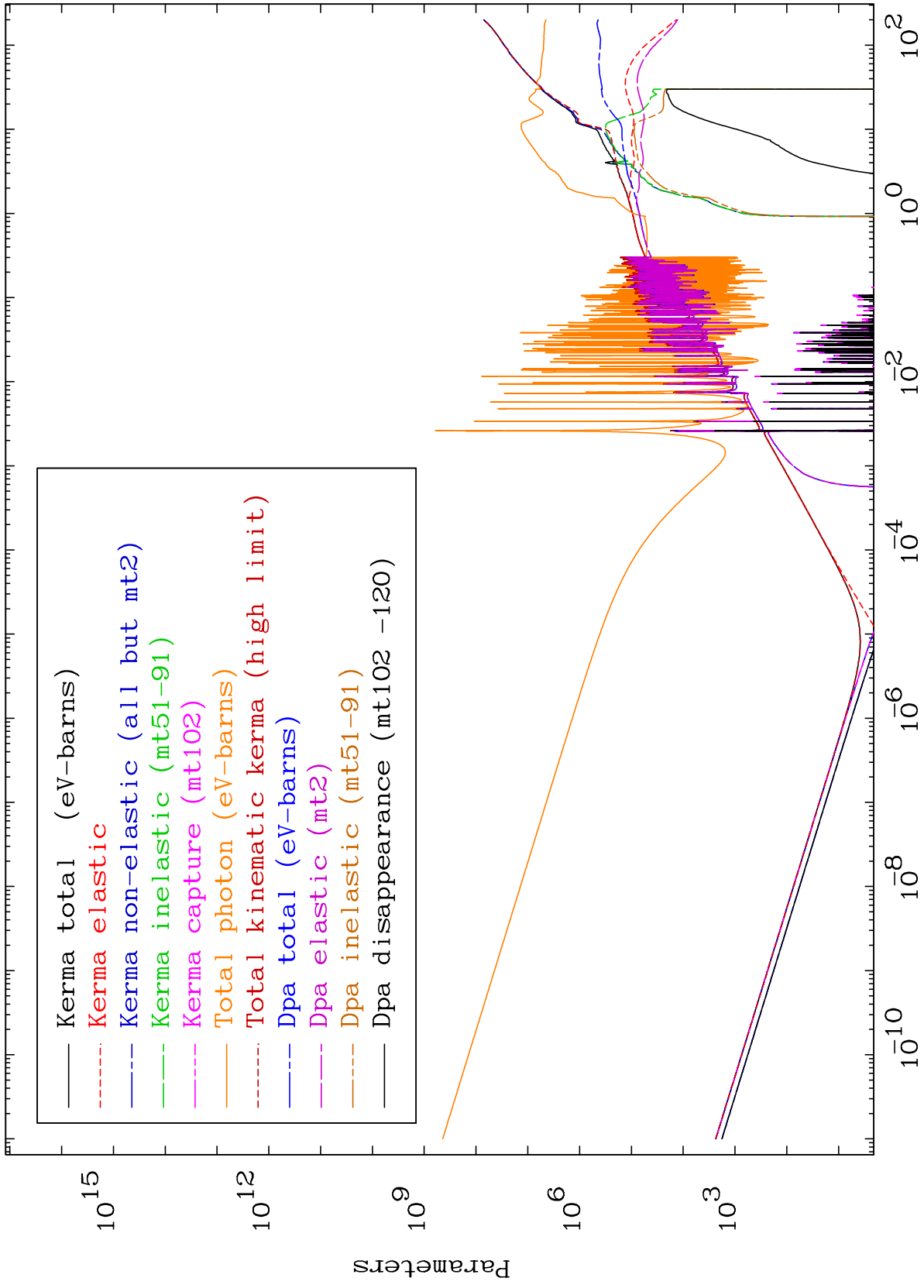
39-Y -89



13

Incident Energy (MeV)

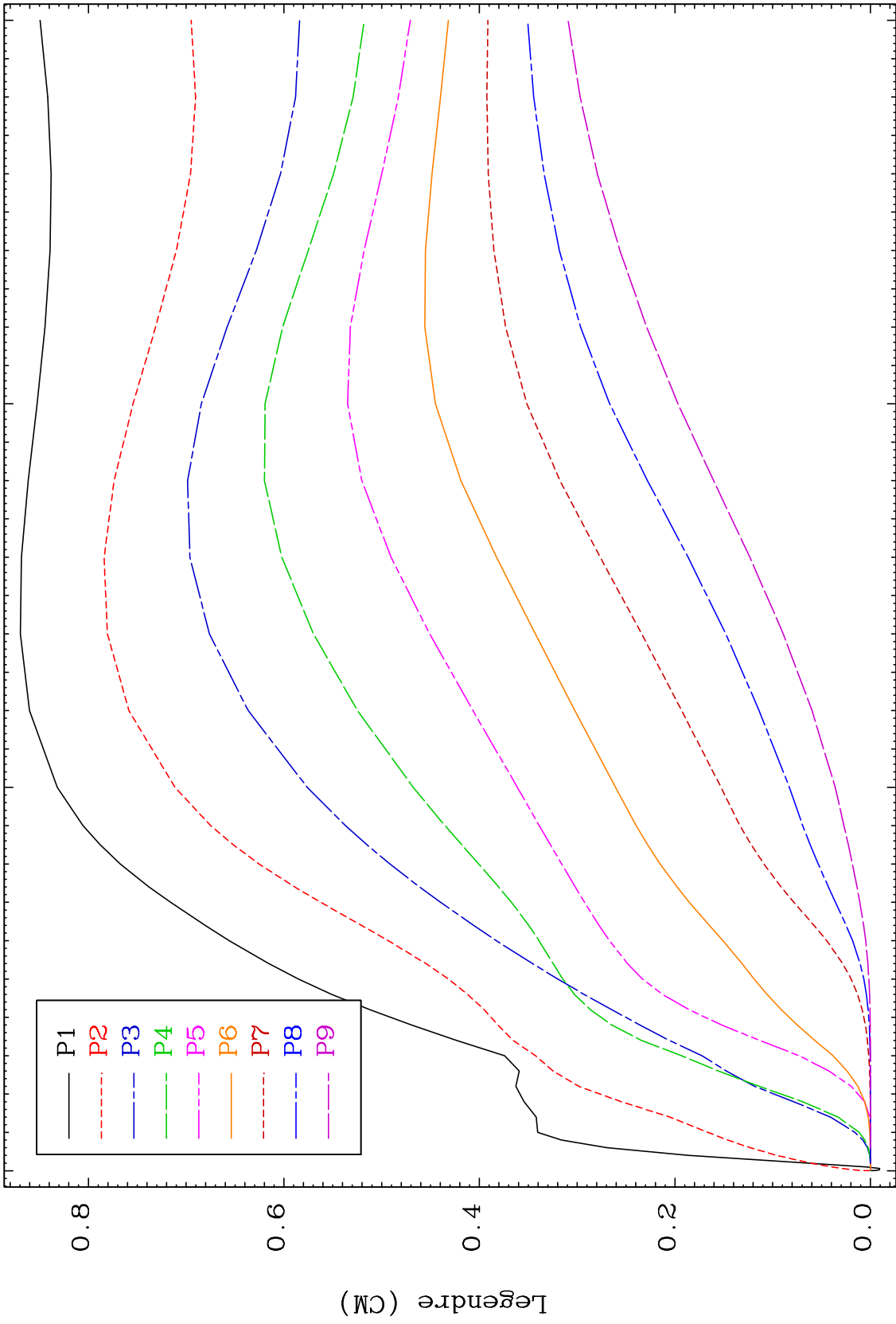
39-Y -89



MAT 3925

Elastic Legendre Coefficients

39-Y -89



0

15

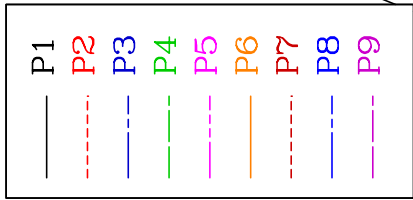
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20

30

Incident Energy (MeV)

39-Y -89

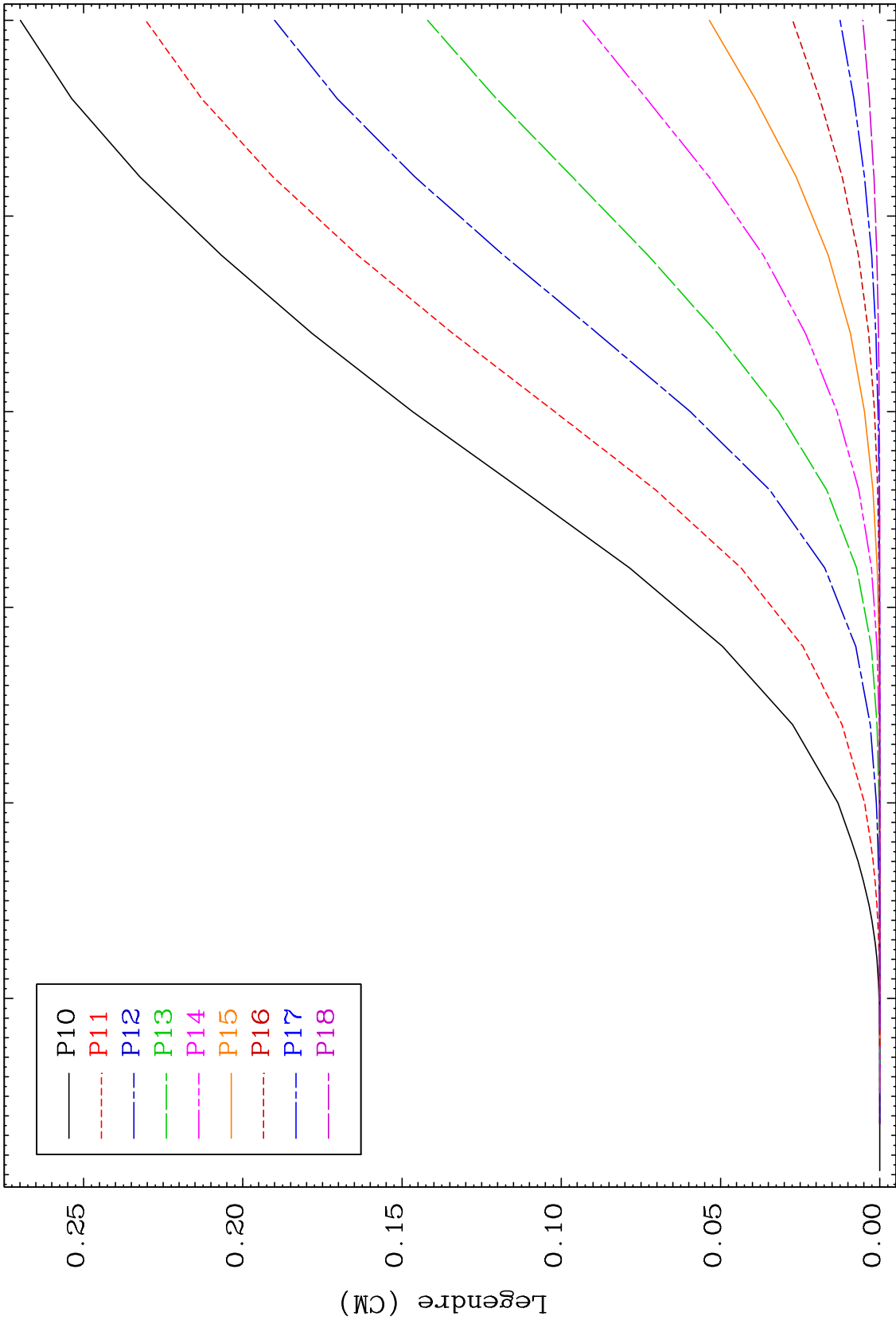


Legendre (CM)

MAT 3925

Elastic Legendre Coefficients

39-Y -89



16

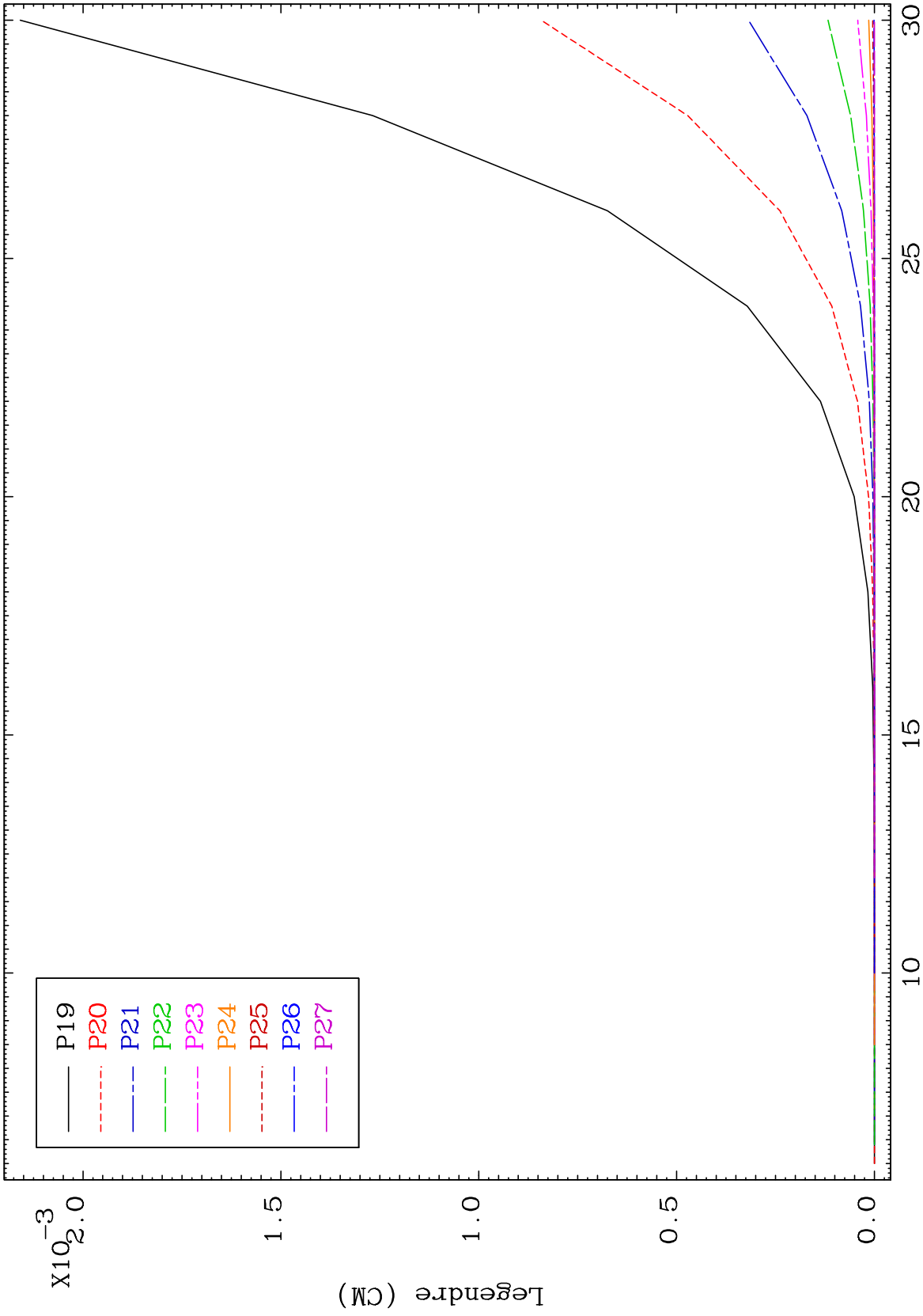
Incident Energy (MeV)

39-Y -89

MAT 3925

Elastic Legendre Coefficients

39-Y -89



17

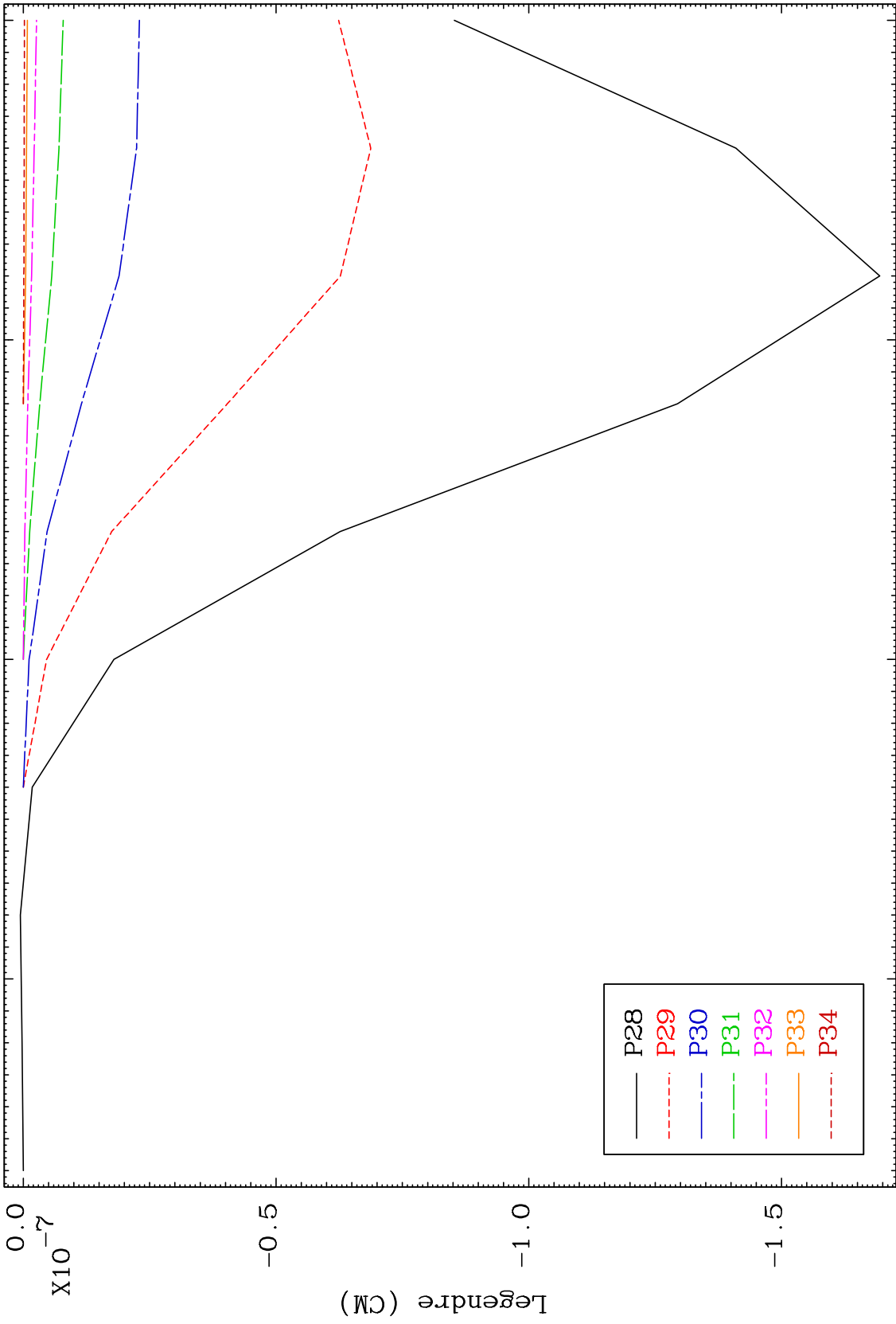
Incident Energy (MeV)

39-Y -89

MAT 3925

39-Y -89

Elastic Legendre Coefficients



0.0
X10⁻⁷

-0.5

-1.0

-1.5

15

20

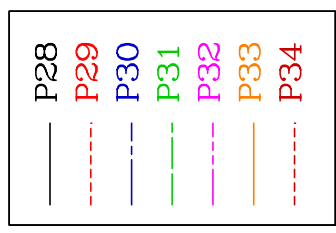
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30

18

Incident Energy (MeV)

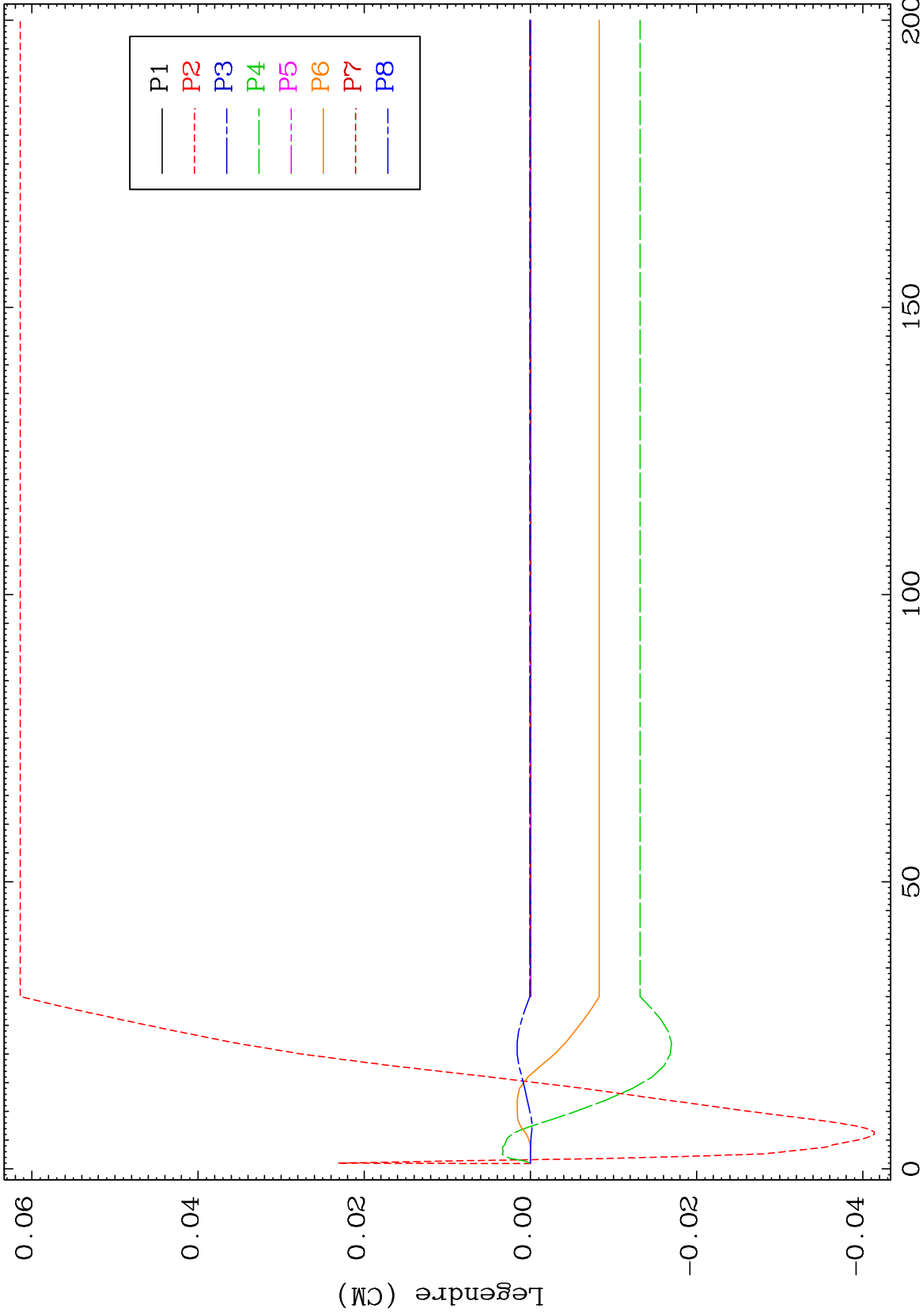
39-Y -89



MAT 3925

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

39-Y -89



19

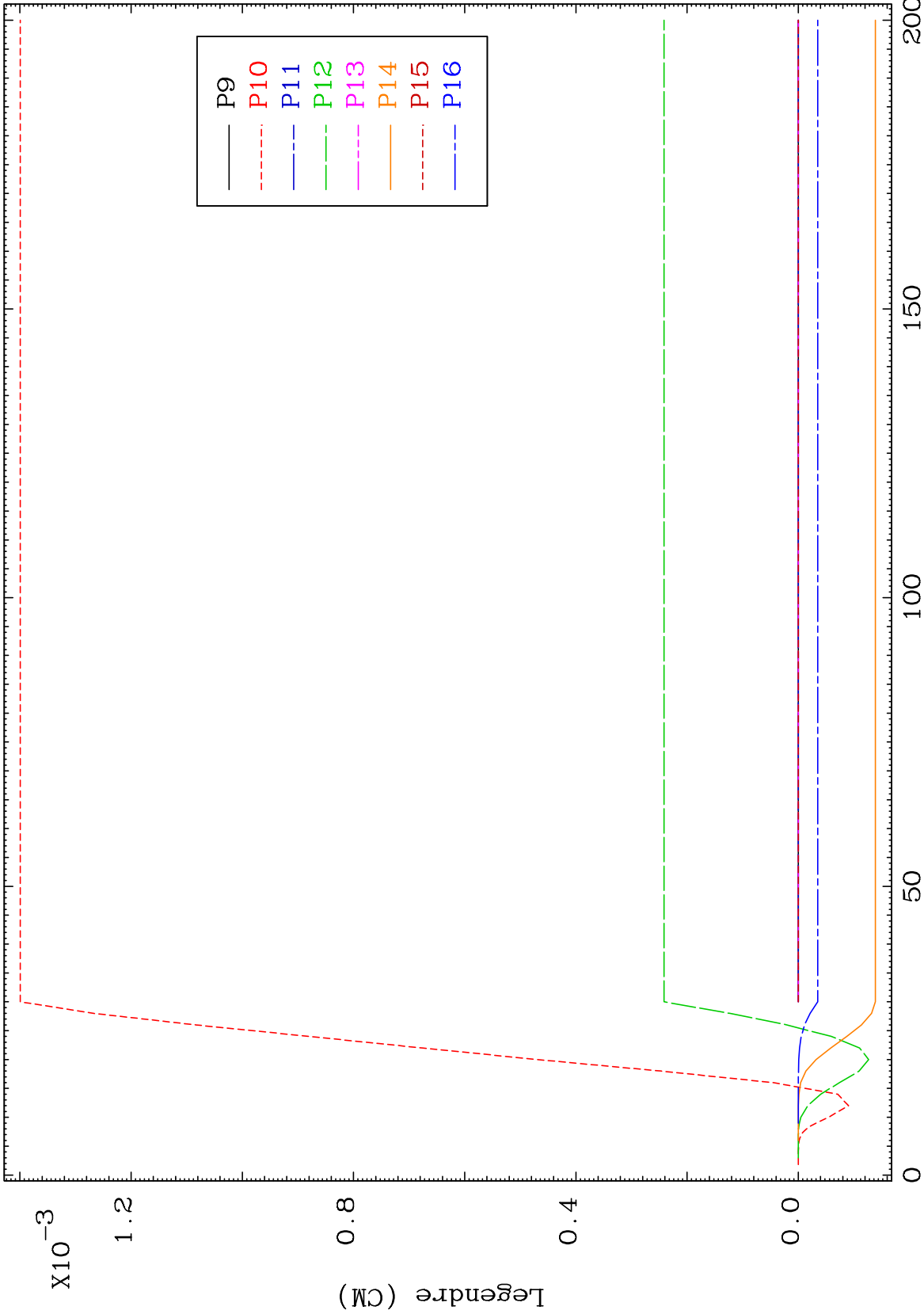
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

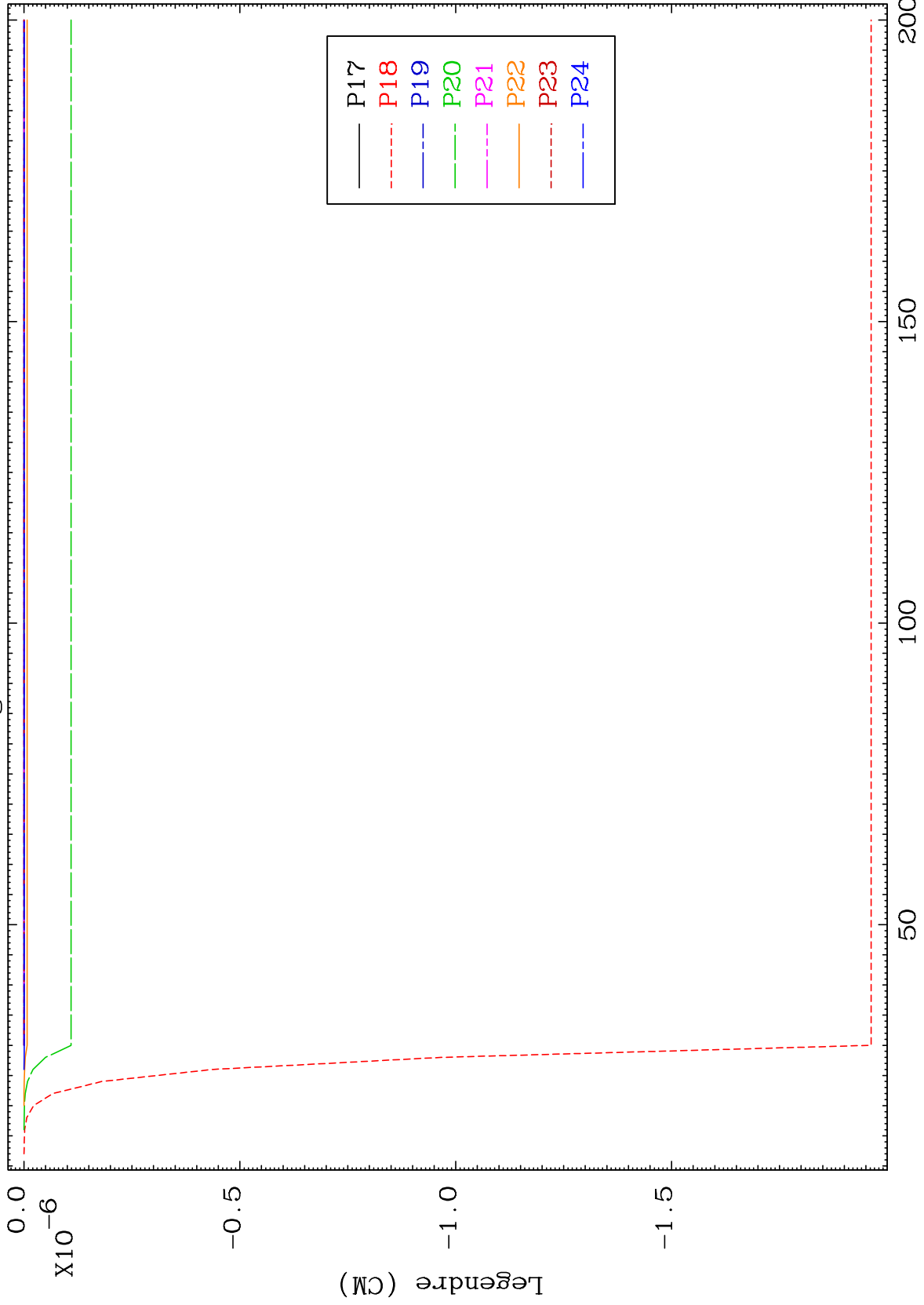


39-Y -89

MAT 3925

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

39-Y -89

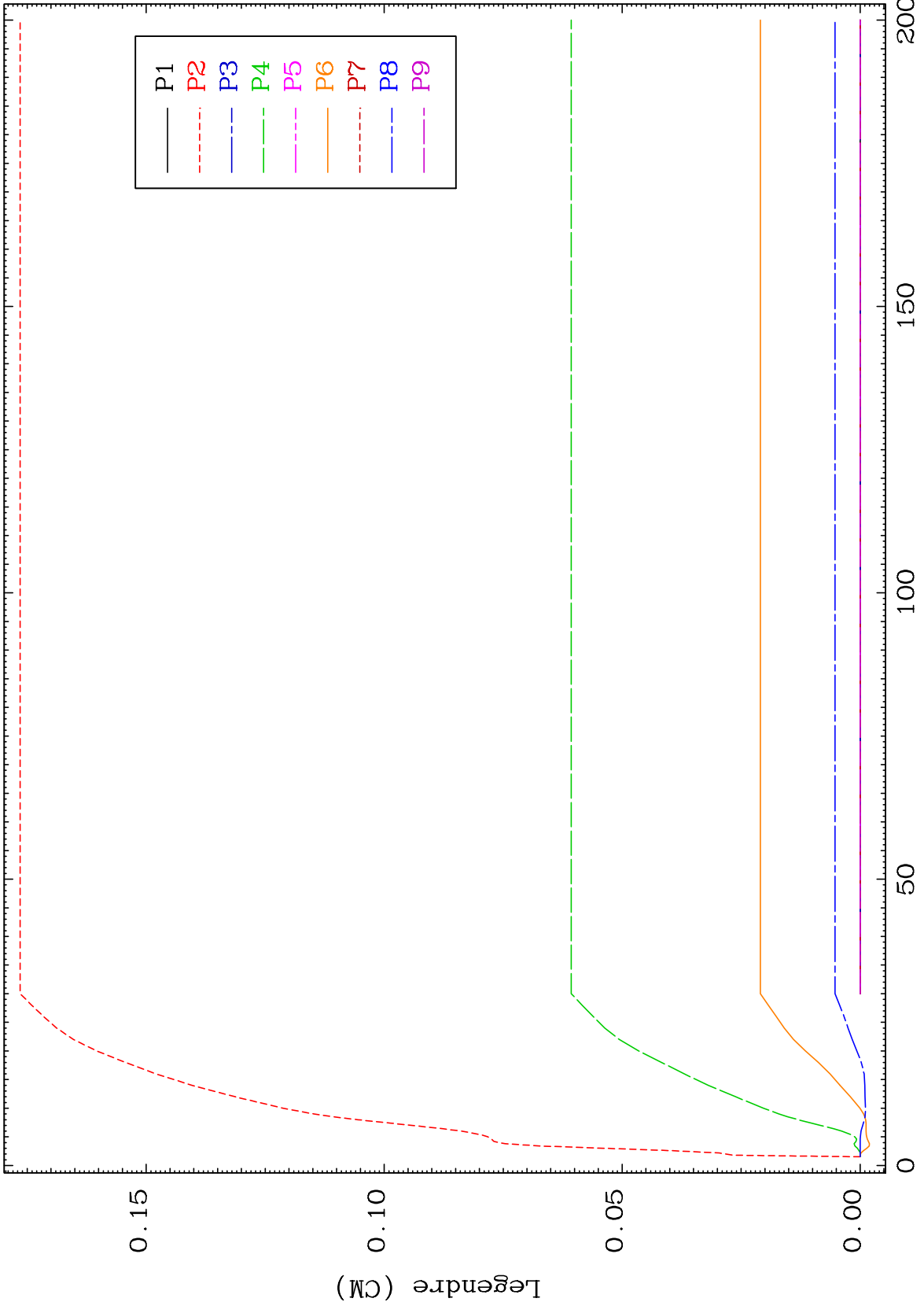


39-Y -89

Incident Energy (MeV)

21

MAT 3925 MT= 52 (n,n') Level Legendre Coefficients 39-Y -89

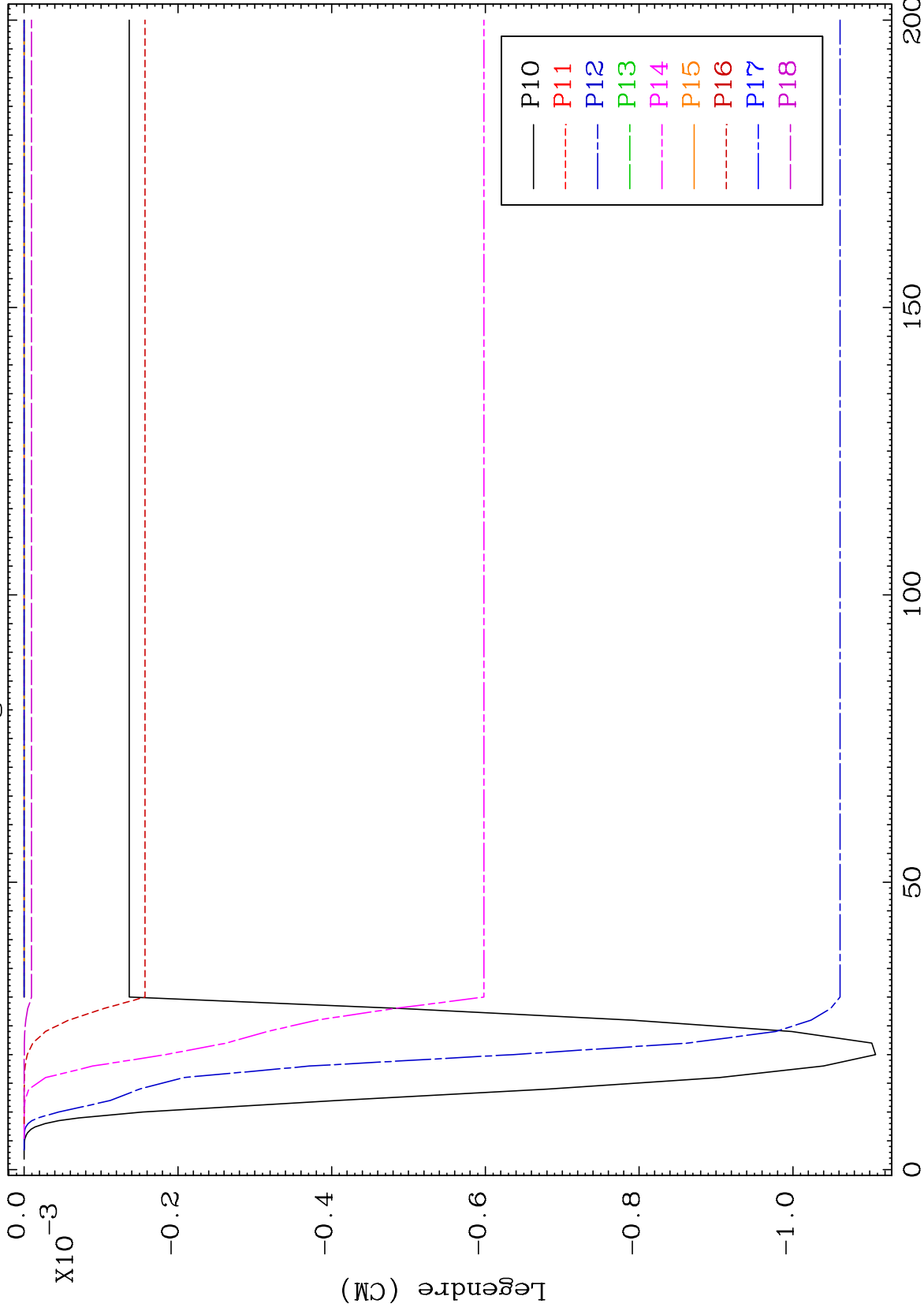


22 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89

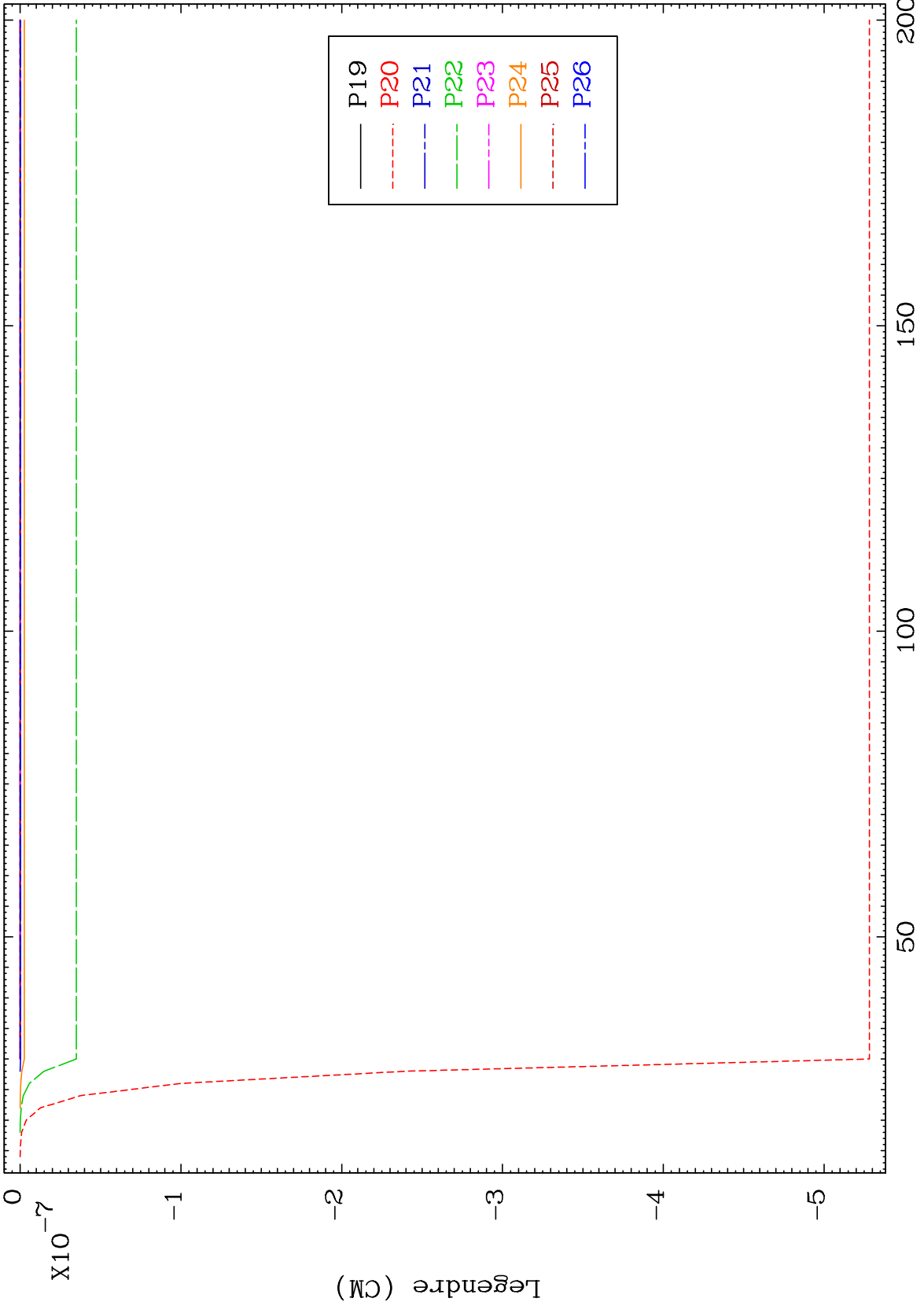


23

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 52 (n,n') Level Legendre Coefficients 39-Y -89

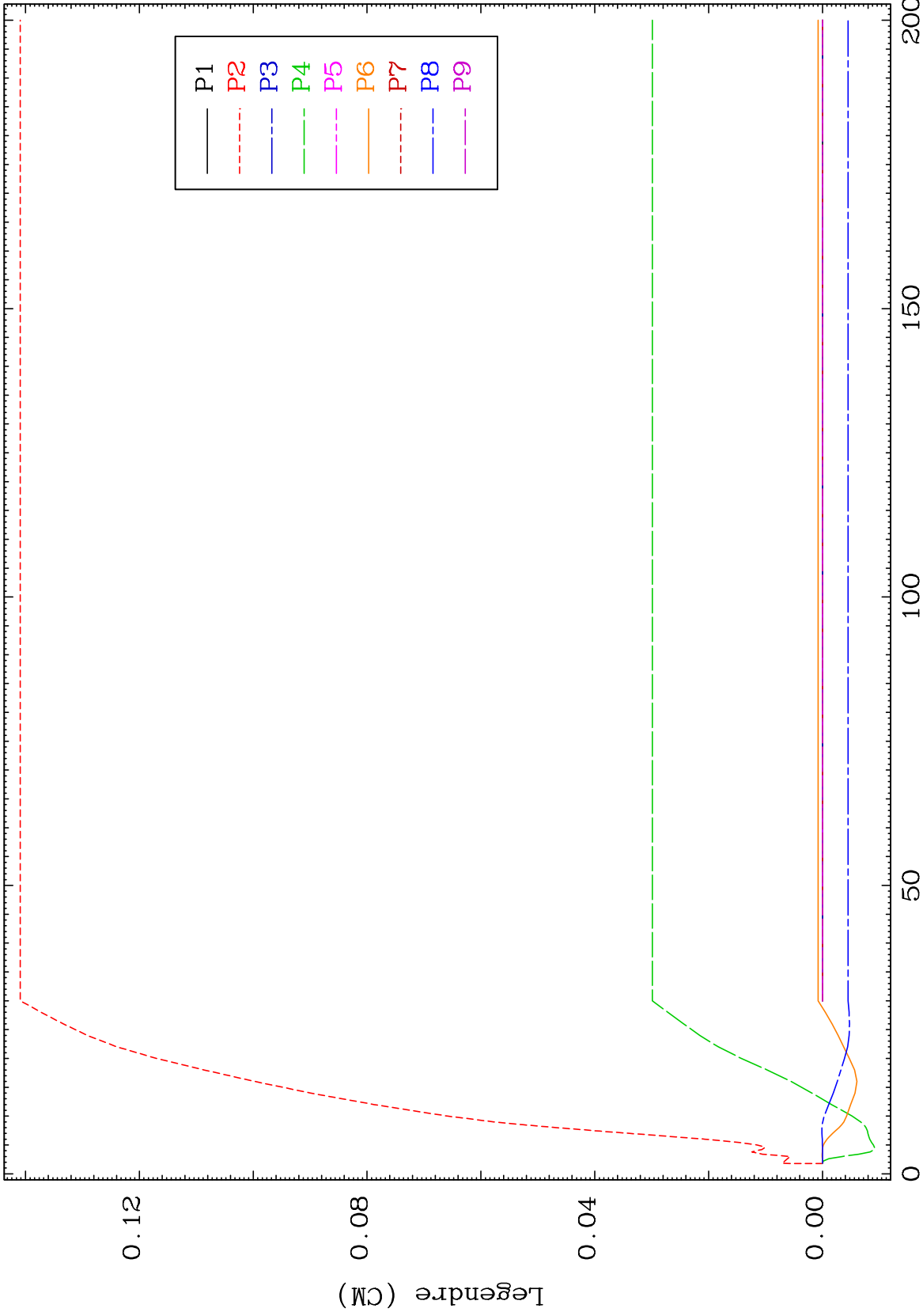


24 39-Y -89

MAT 3925

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

39-Y -89



25

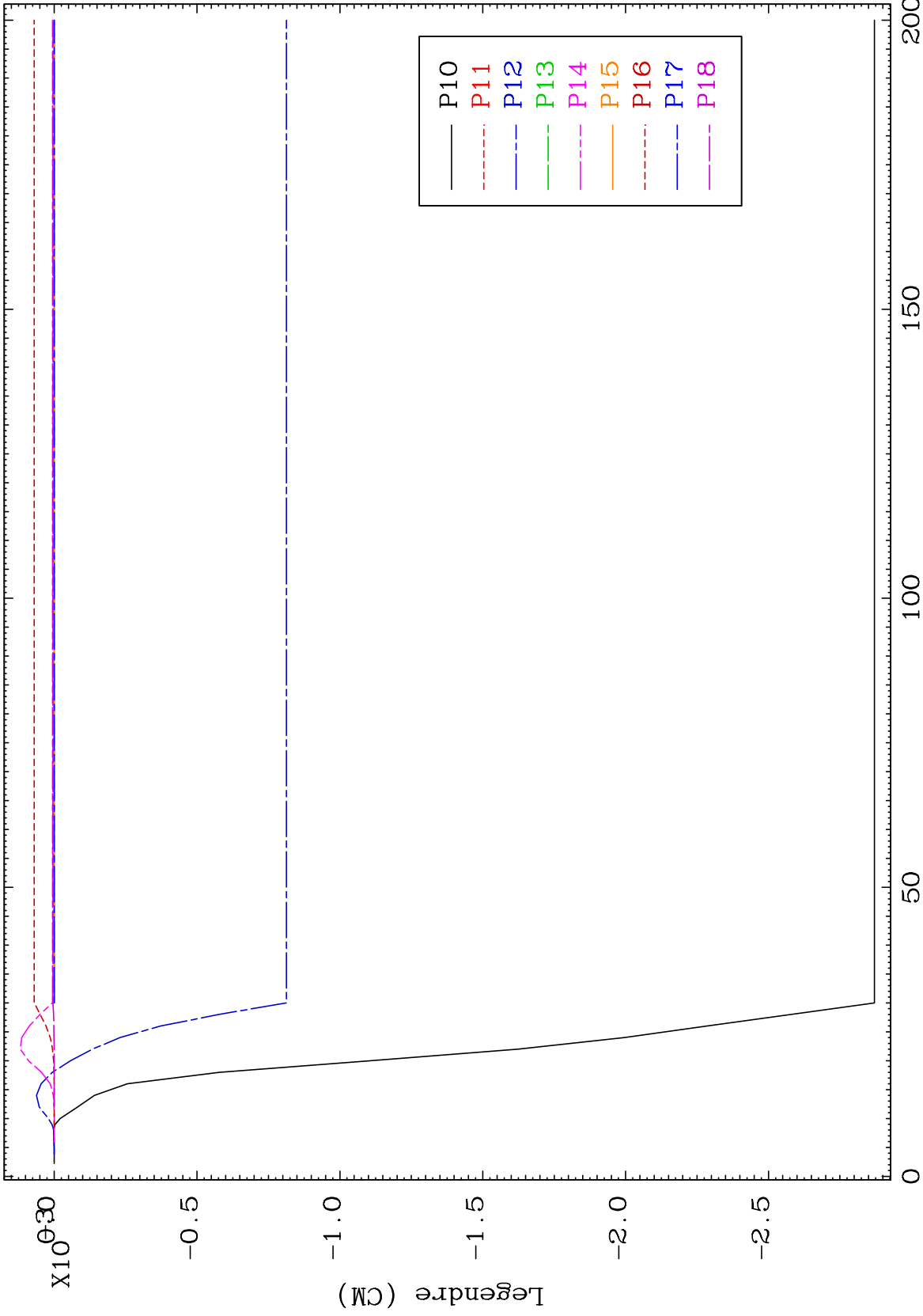
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



26

39-Y -89

MAT 3925 MT= 53 (n,n') Level Legendre Coefficients 39-Y -89

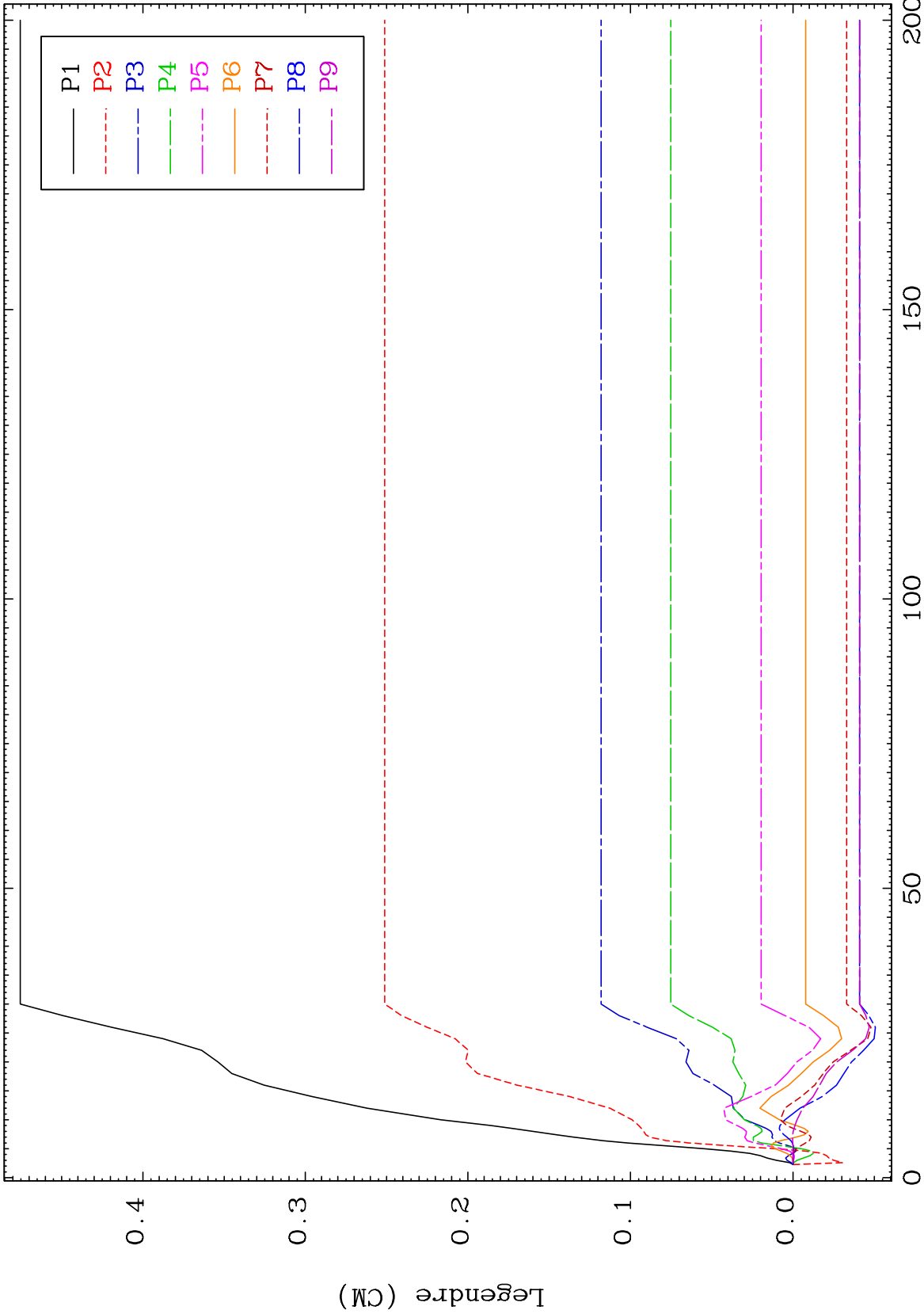


27 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



28

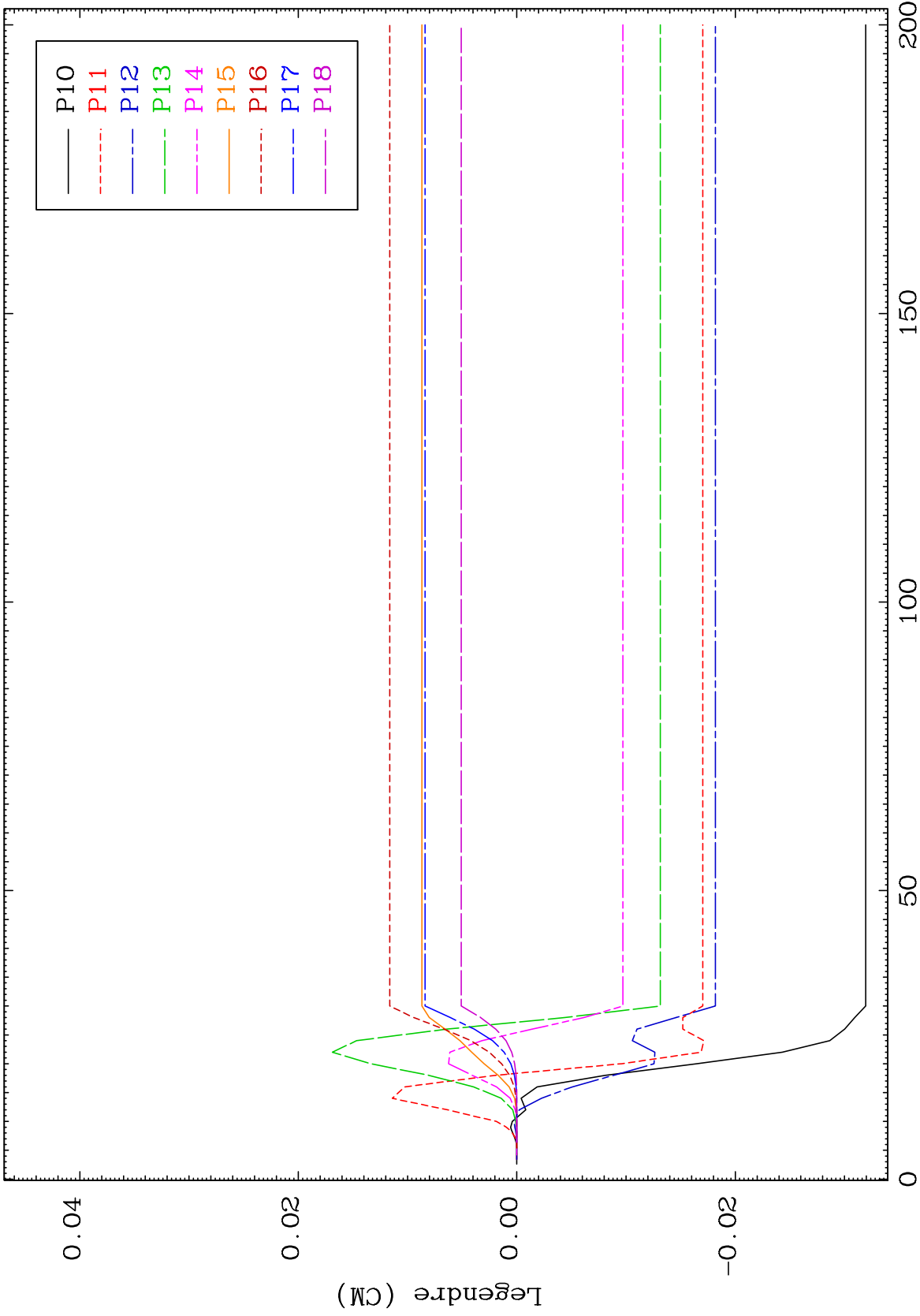
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



29

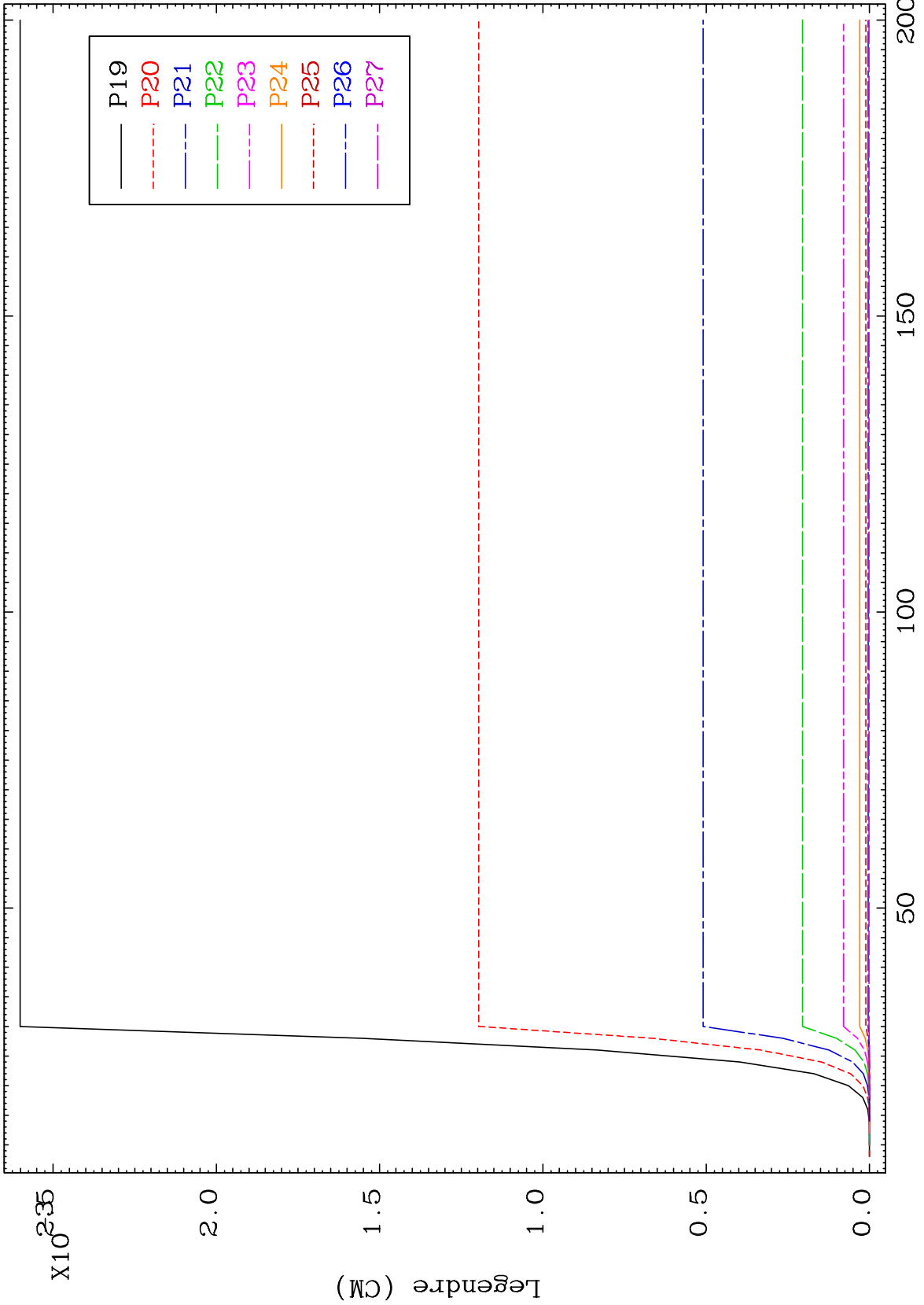
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



30

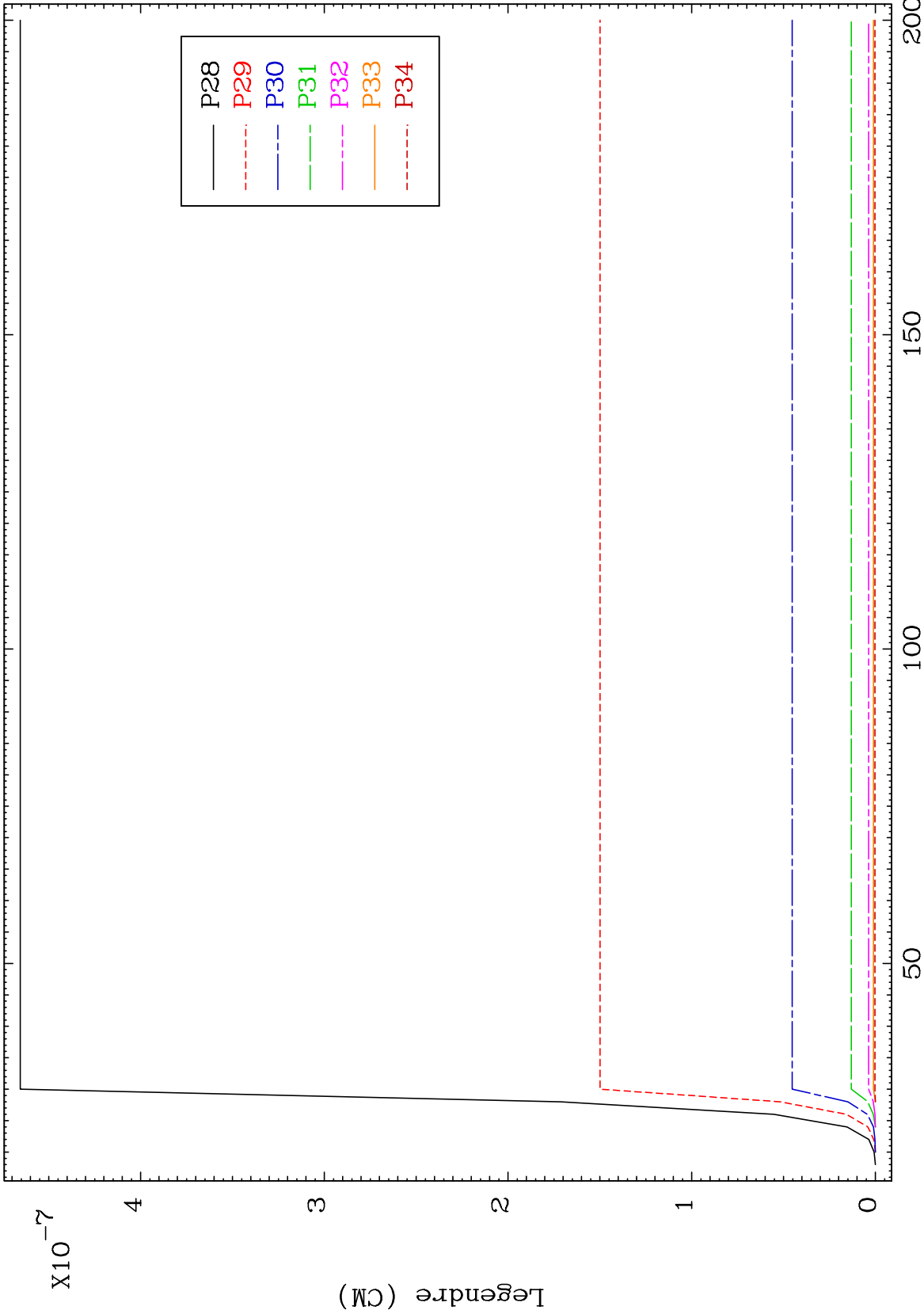
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



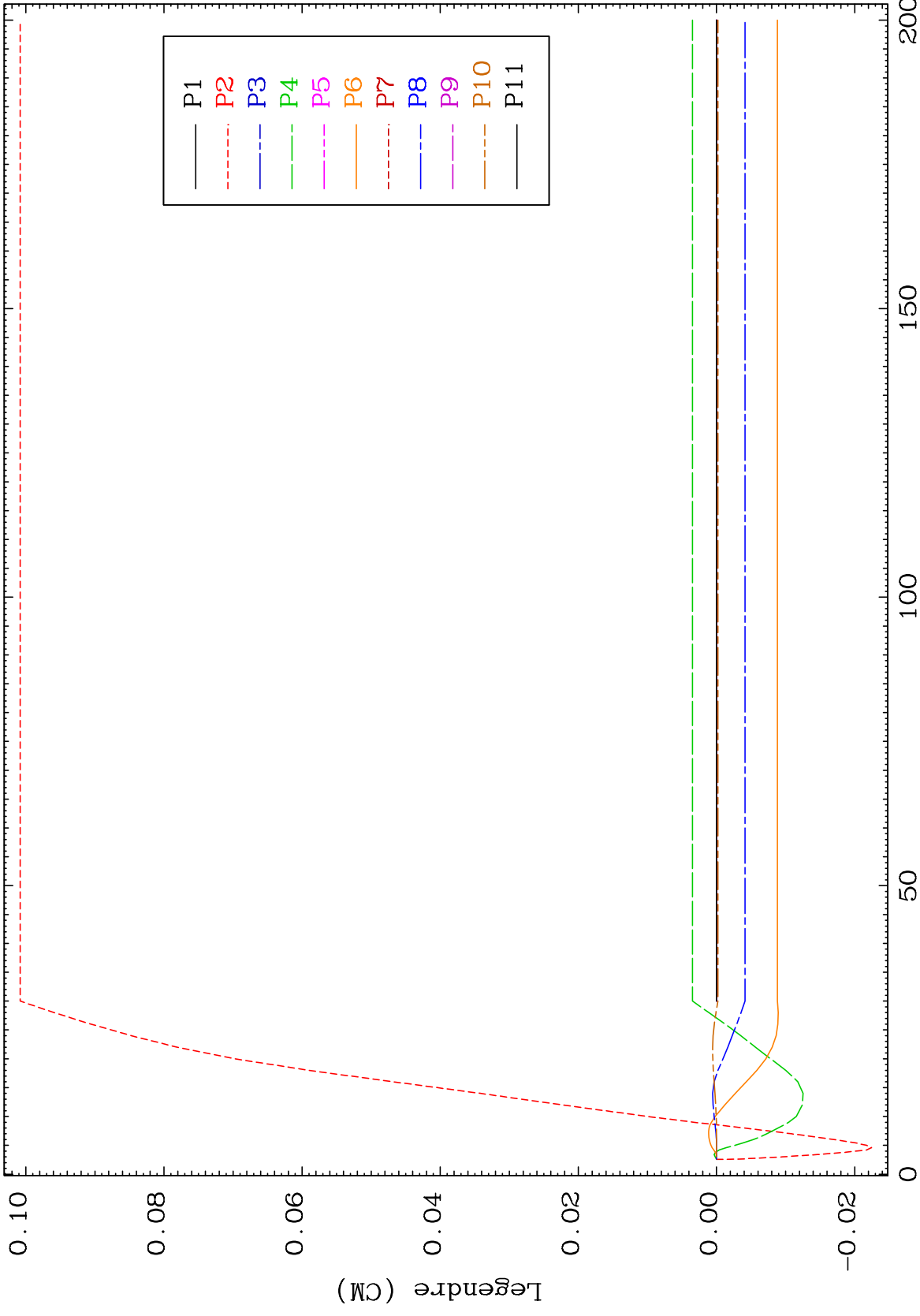
31

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 55 (n,n') Level Legendre Coefficients

39-Y -89



39-Y -89

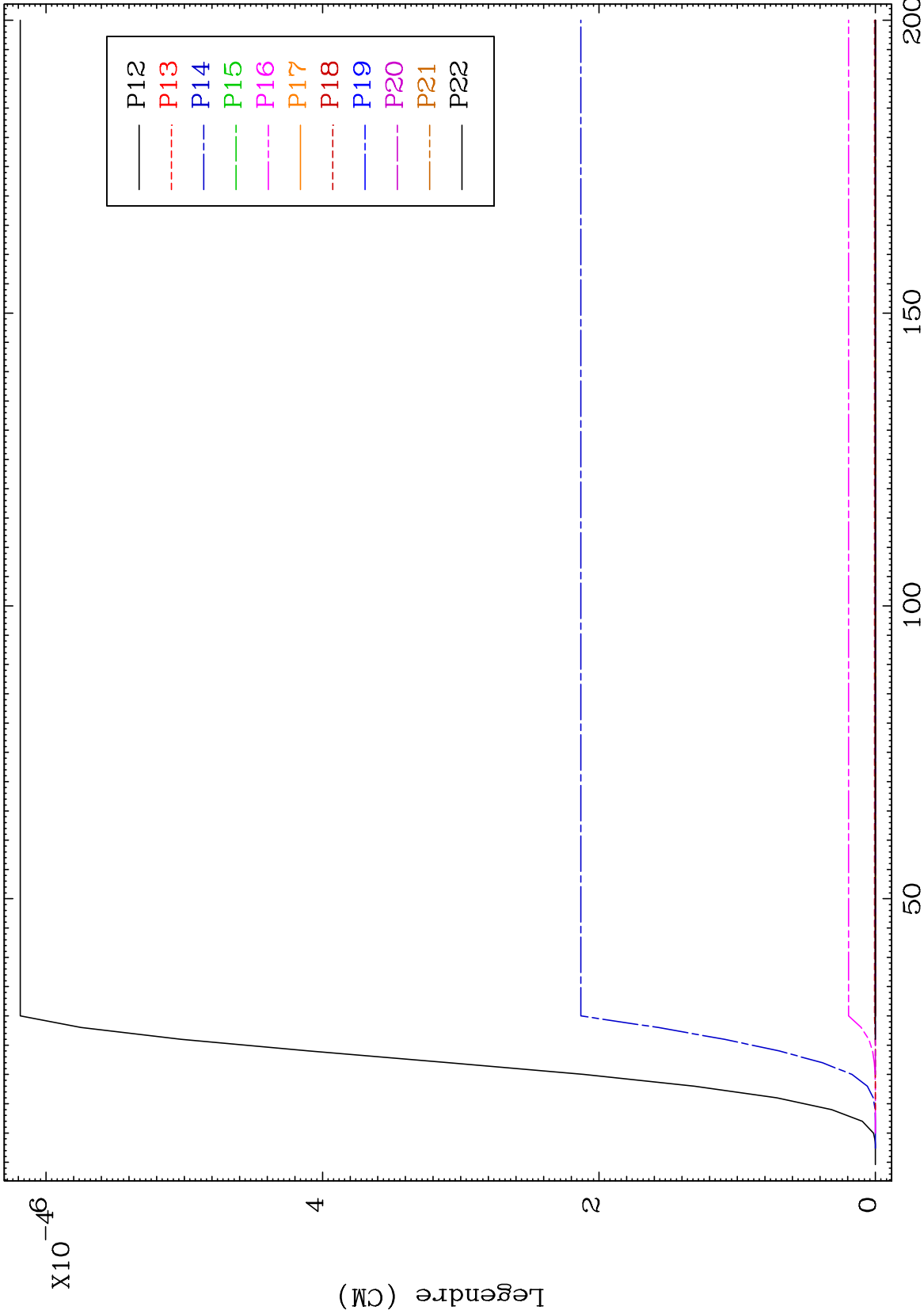
Incident Energy (MeV)

32

MAT 3925

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

39-Y -89



33

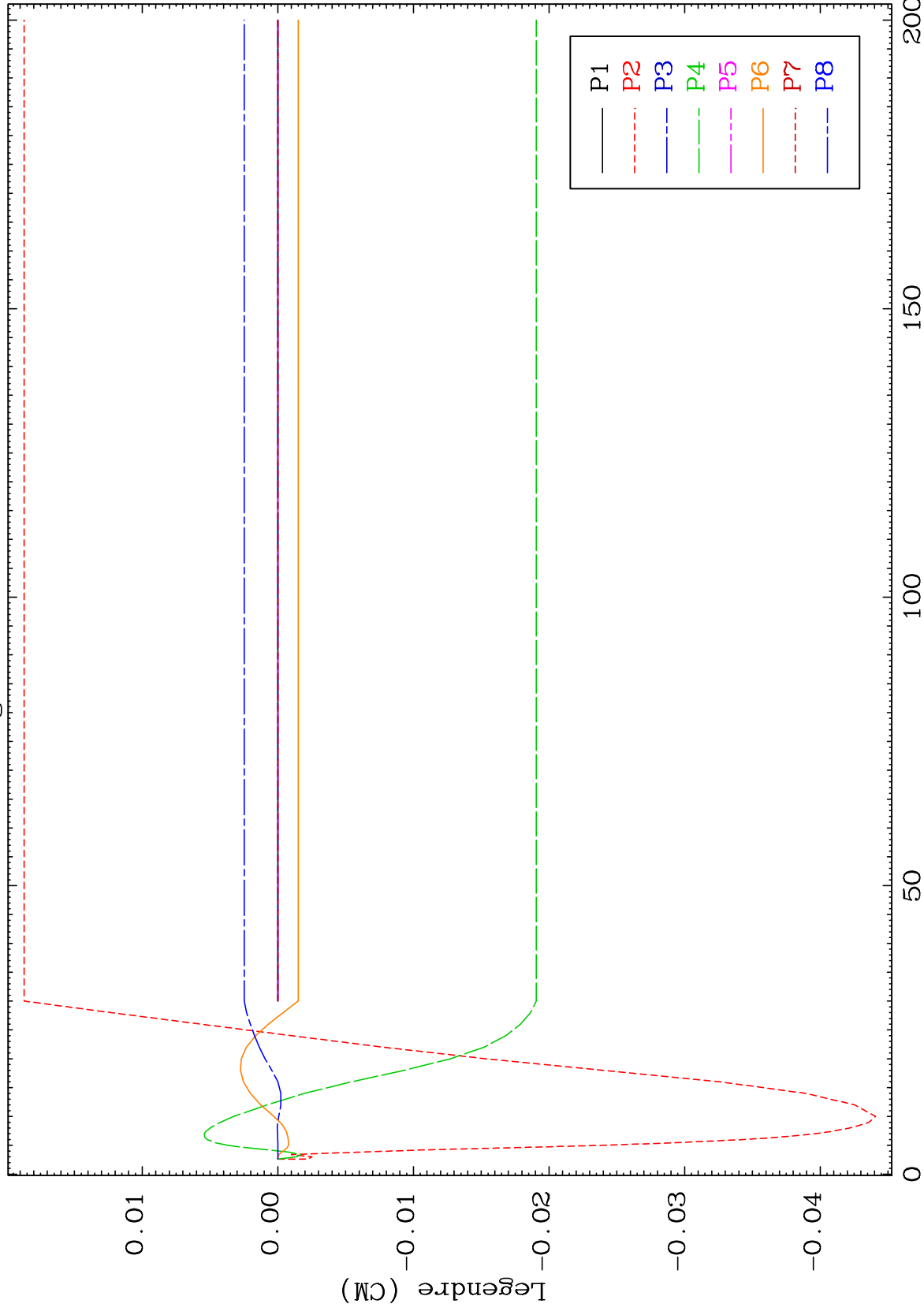
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



34

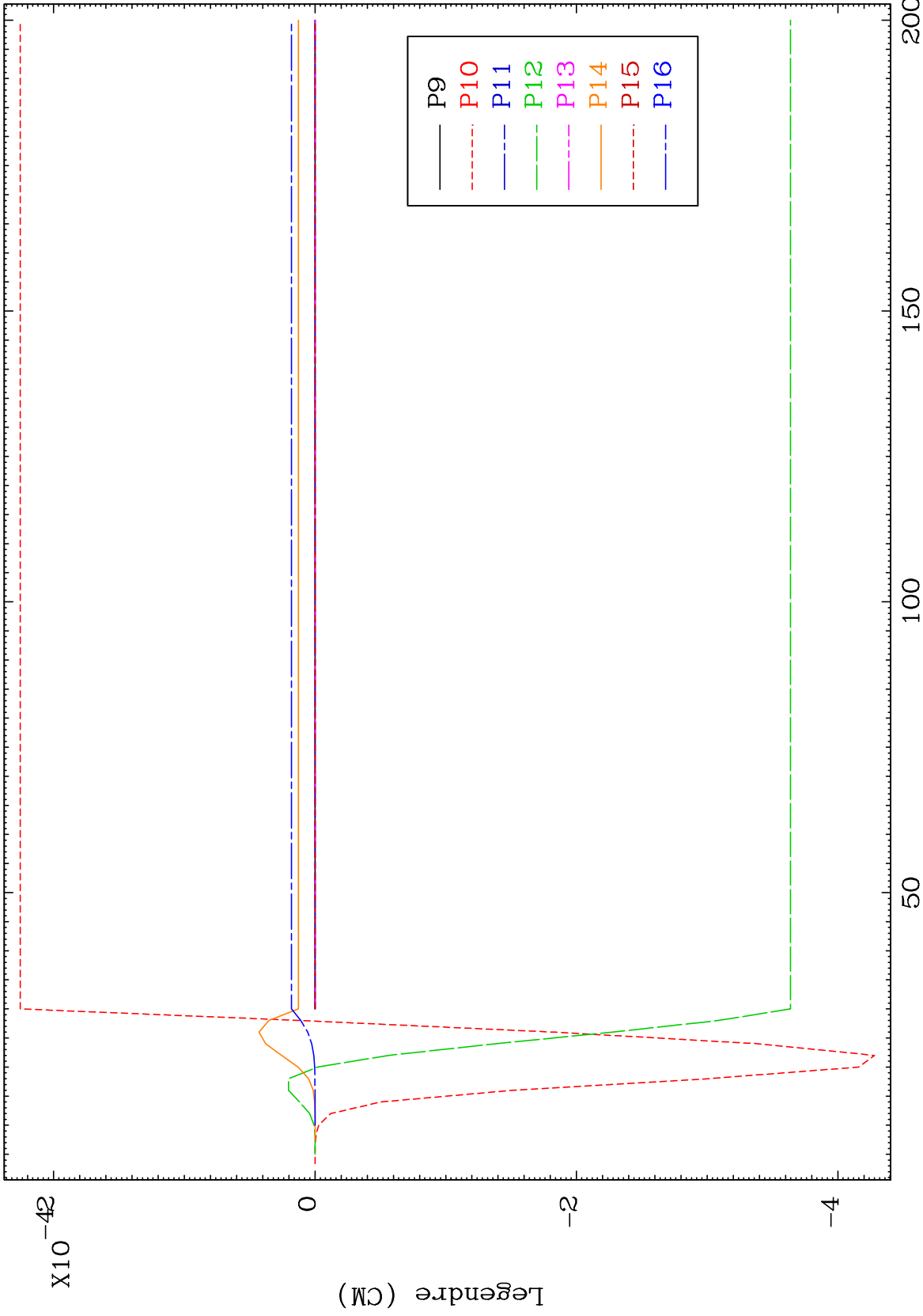
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



35

Incident Energy (MeV)

50

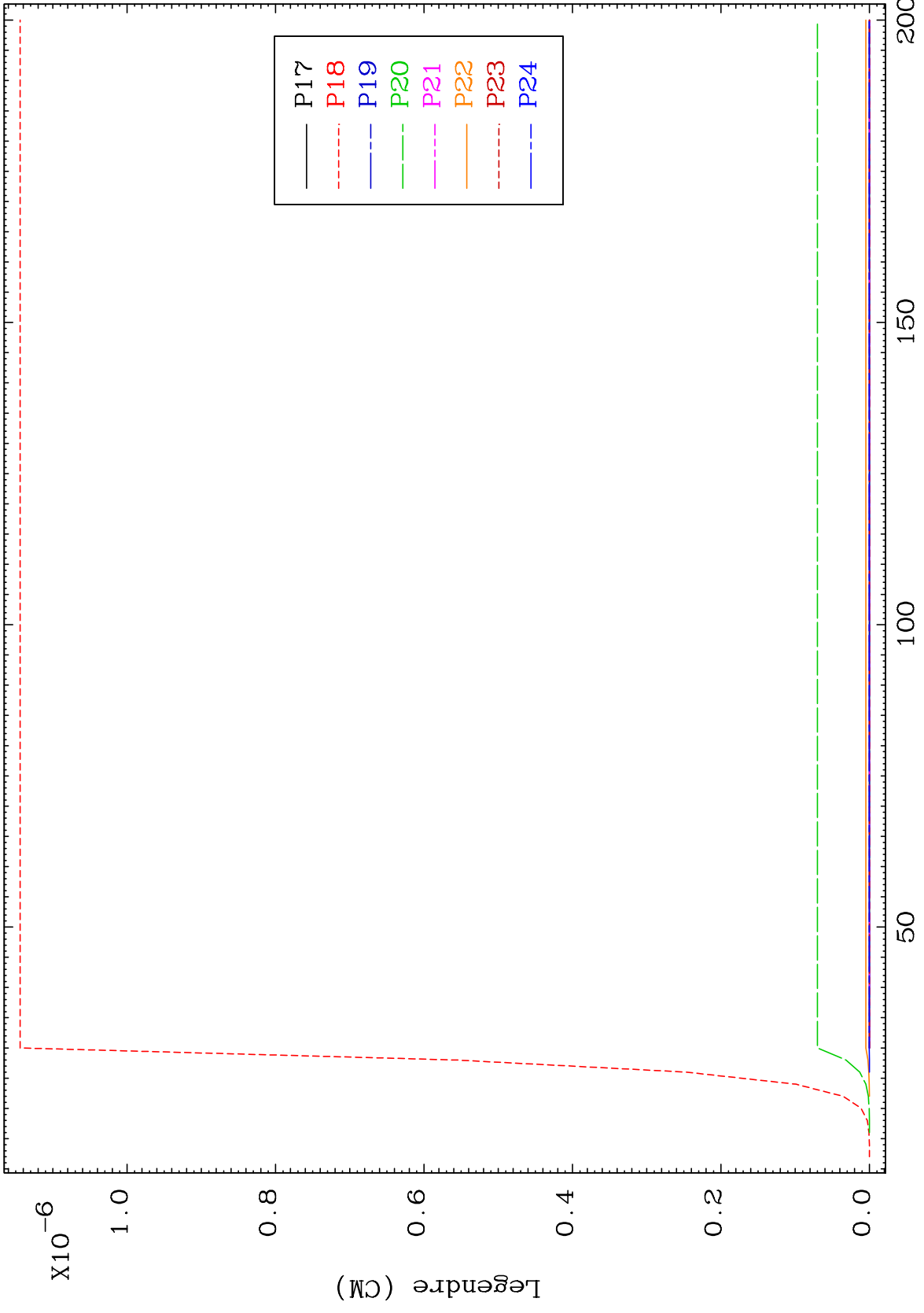
100

150

200

39-Y -89

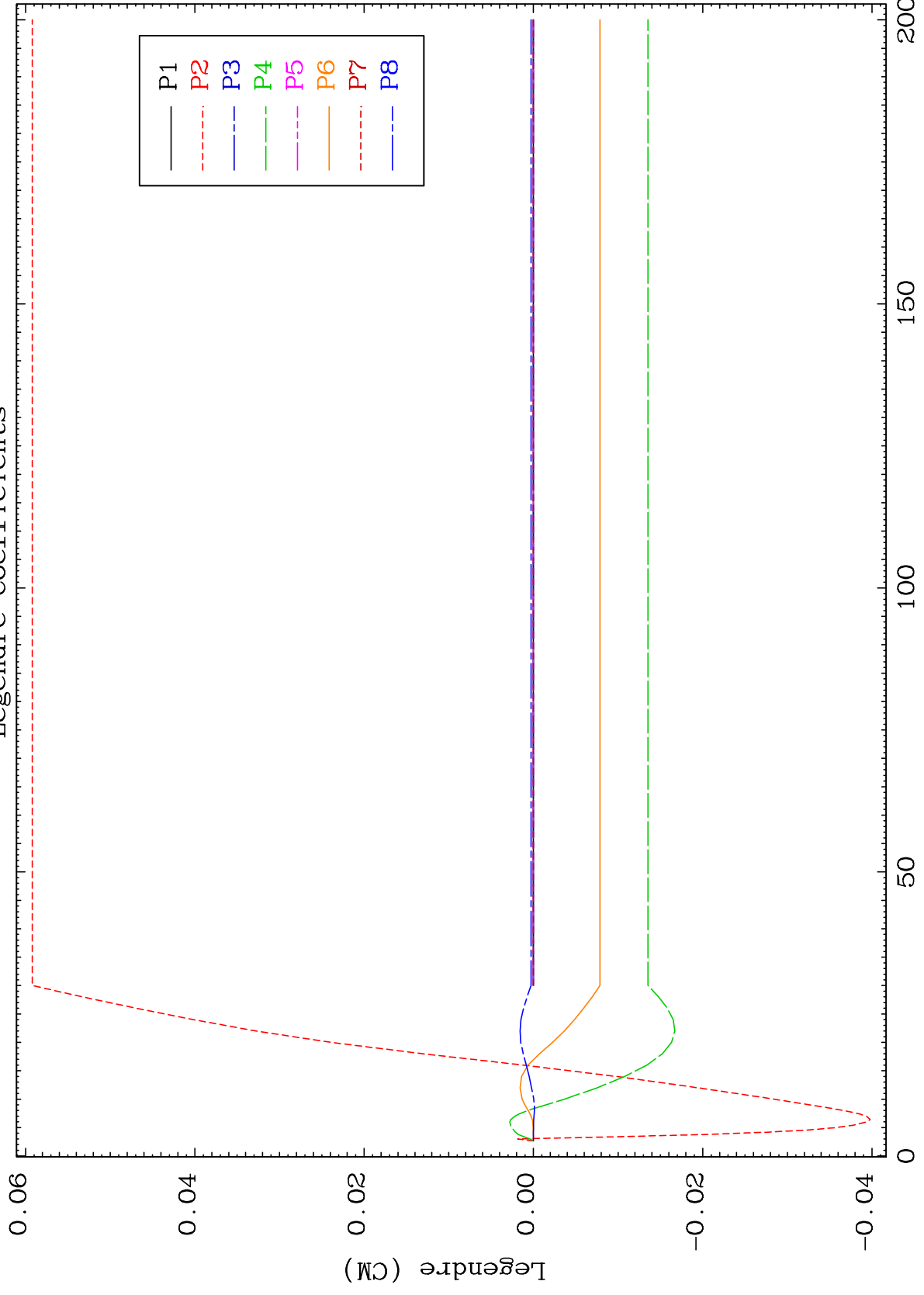
MAT 3925 MT= 56 (n,n') Level Legendre Coefficients 39-Y -89



36 Incident Energy (MeV) 39-Y -89

MAT 3925 MT= 57 (n,n') Level Legendre Coefficients

39-Y -89



39-Y -89

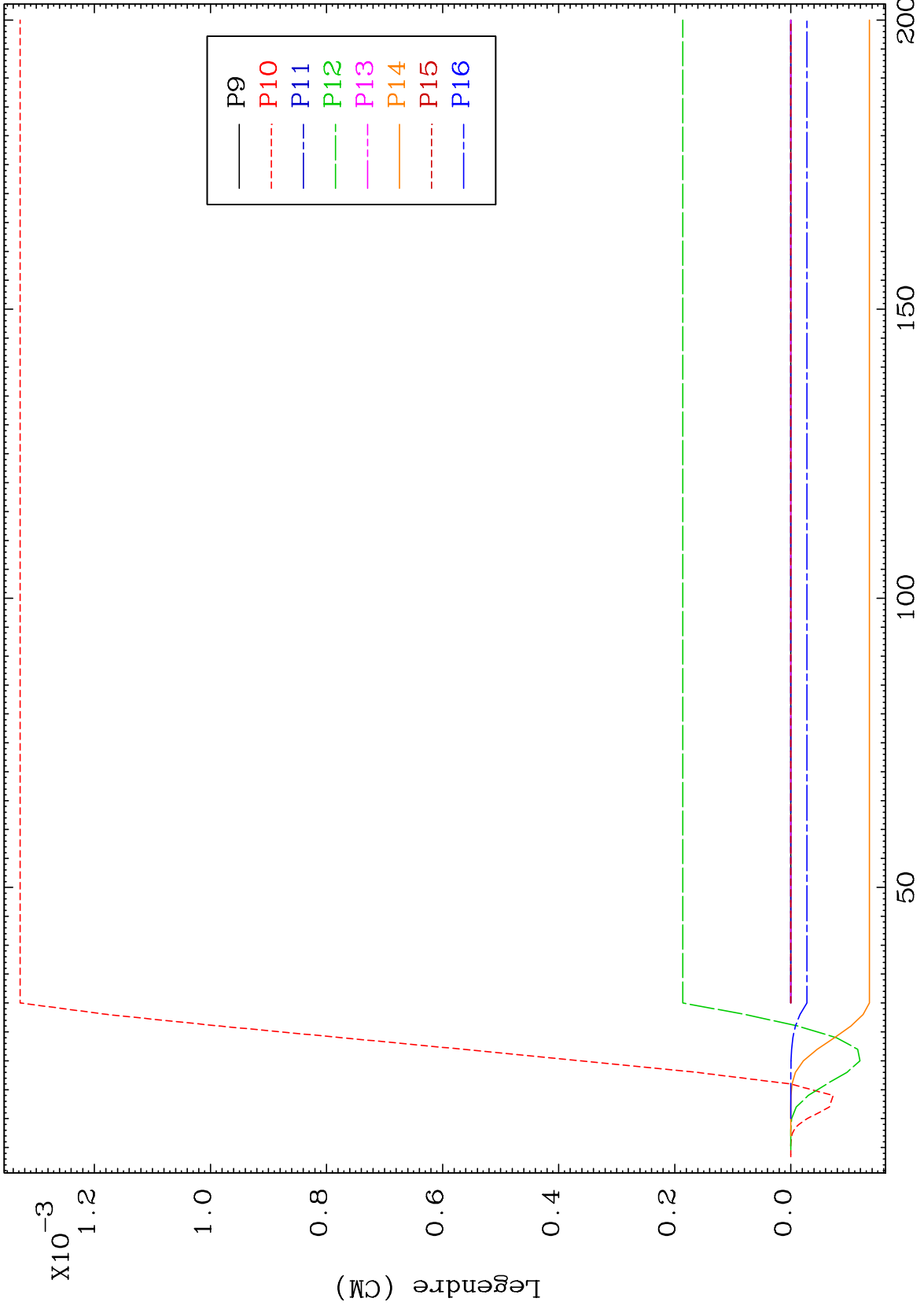
Incident Energy (MeV)

37

MAT 3925

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

39-Y -89

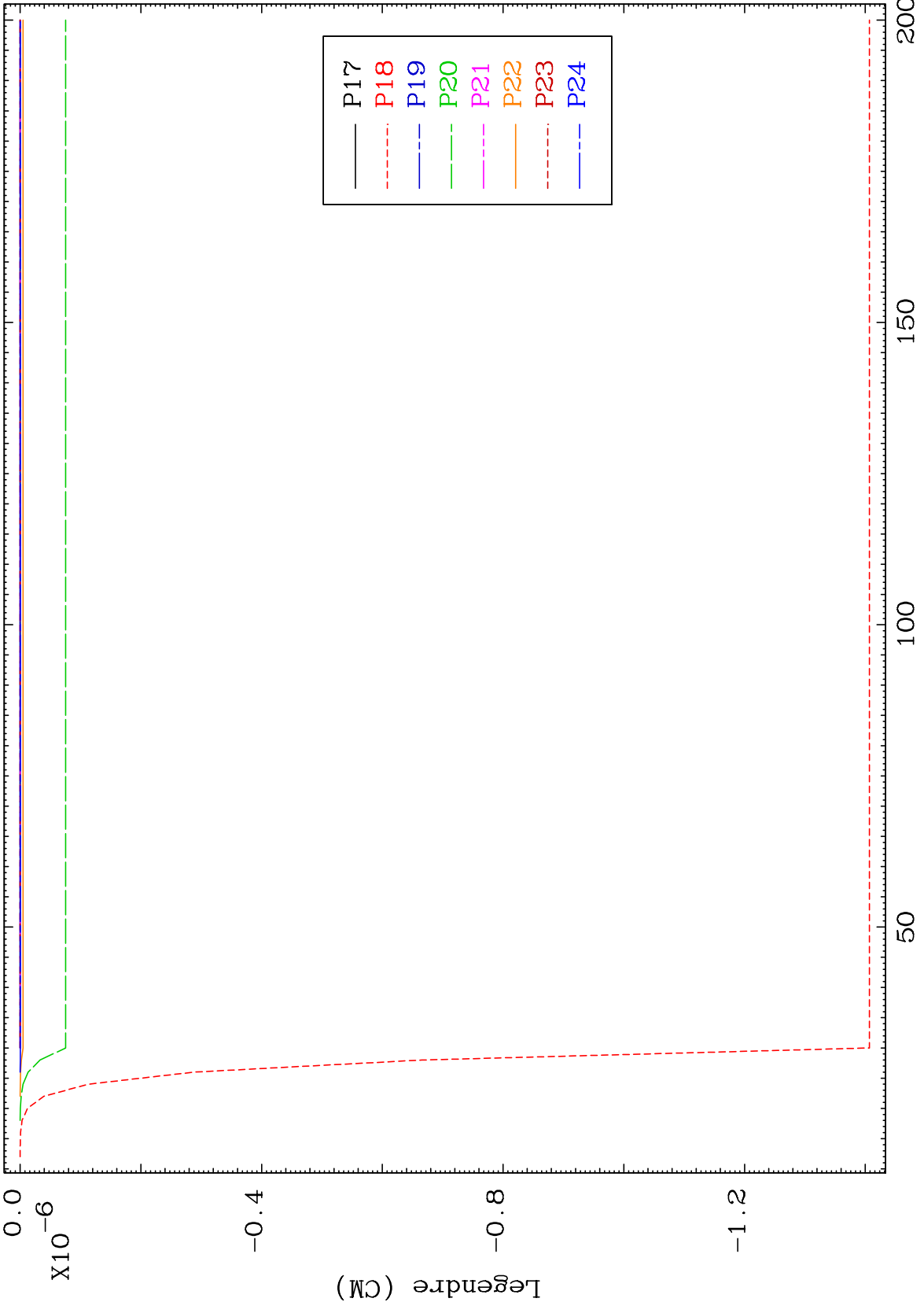


38

Incident Energy (MeV)

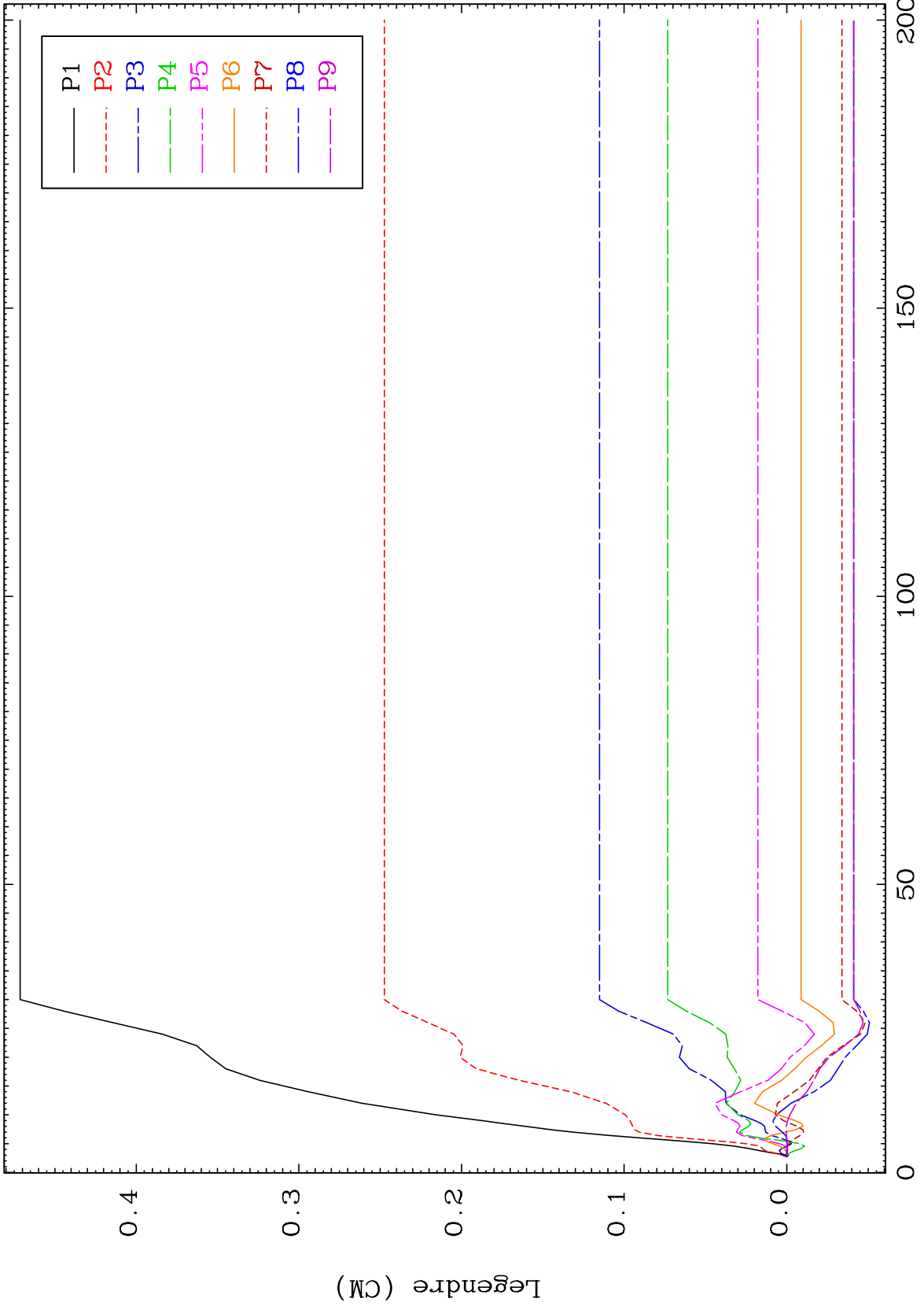
39-Y -89

MAT 3925 MT= 57 (n,n') Level Legendre Coefficients 39-Y -89



39 Incident Energy (MeV) 39-Y -89

MAT 3925 MT= 58 (n,n') Level Legendre Coefficients 39-Y -89

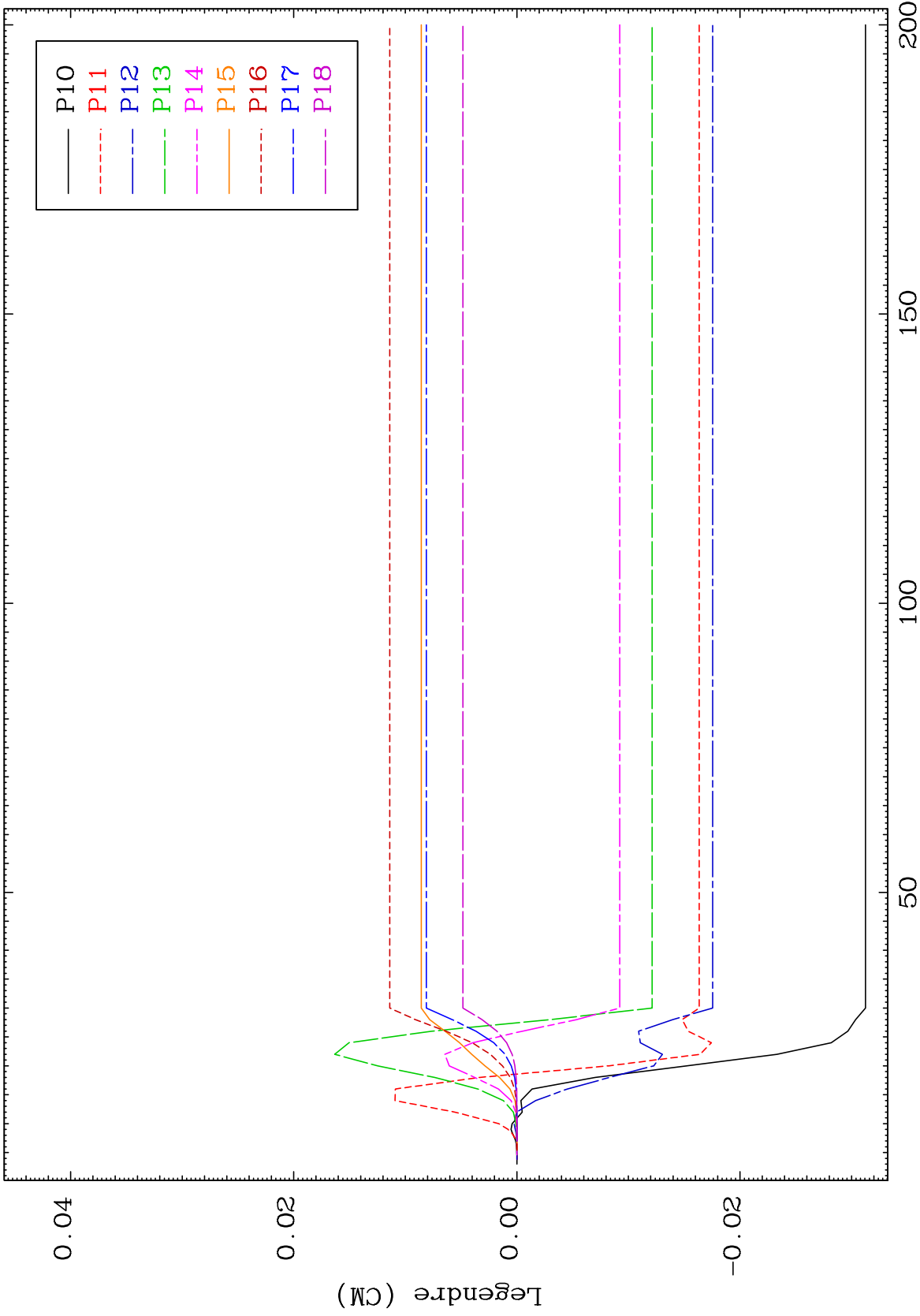


39-Y -89

MAT 3925

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

39-Y -89



41

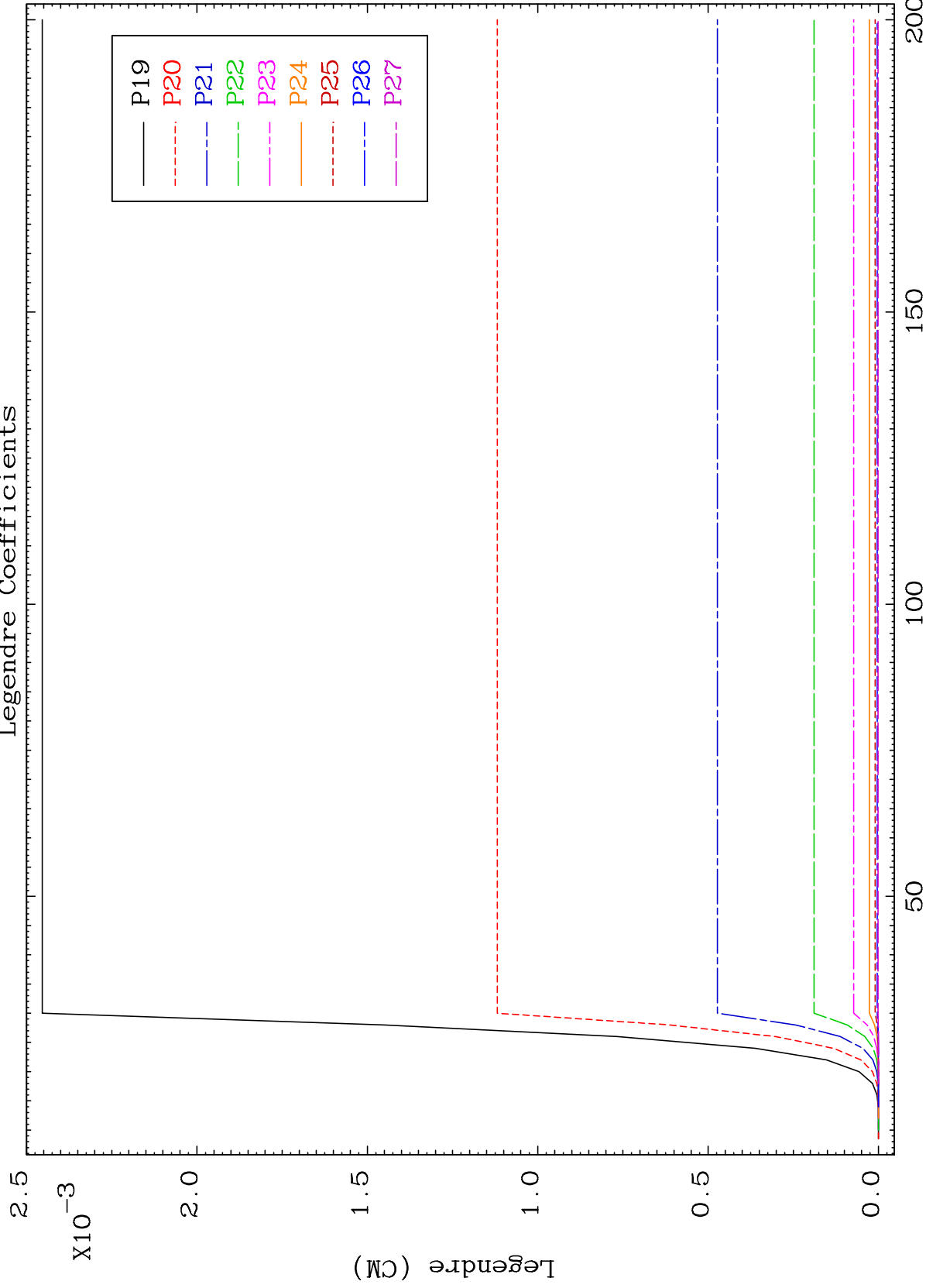
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



42

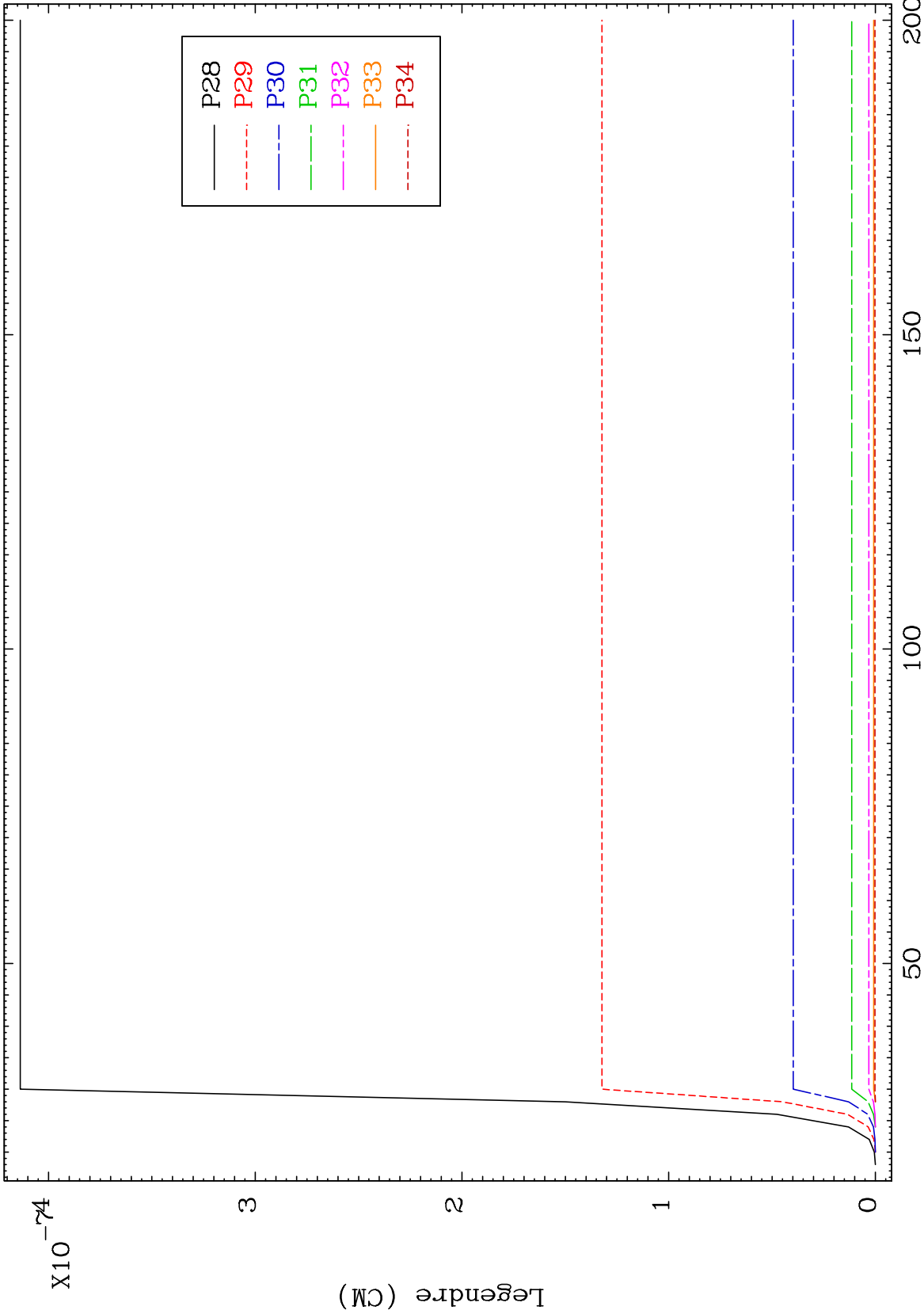
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



43

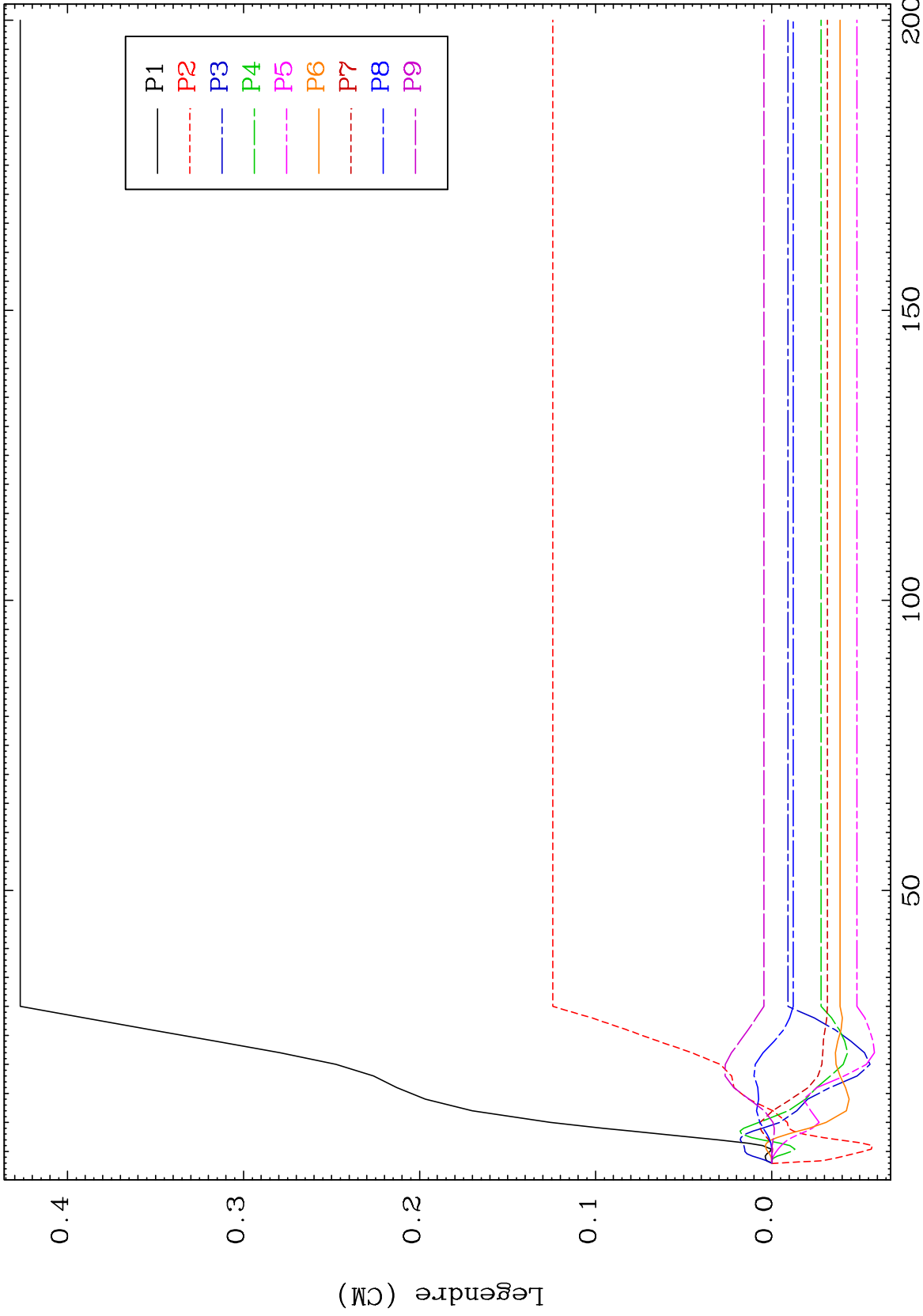
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



44

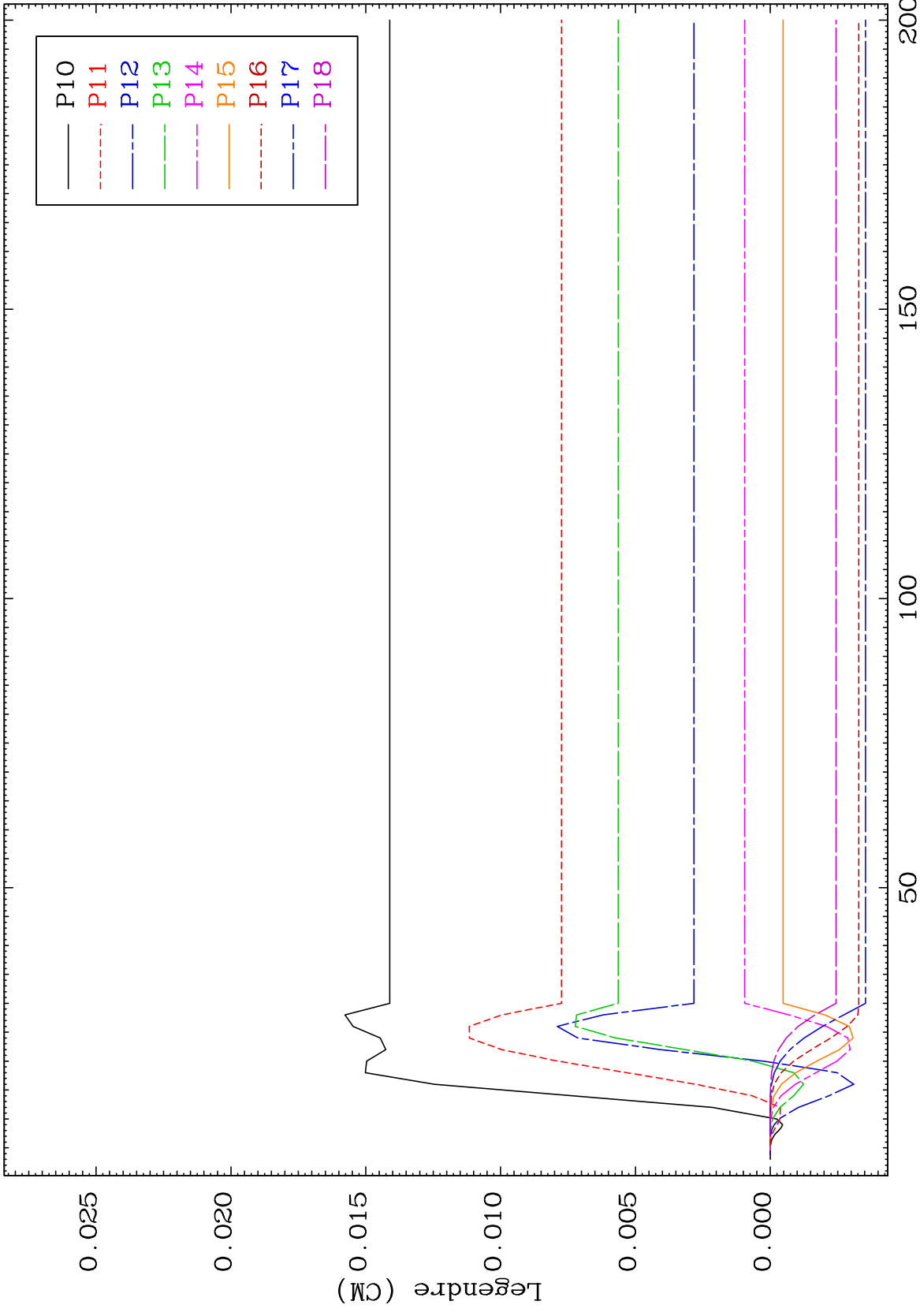
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



45

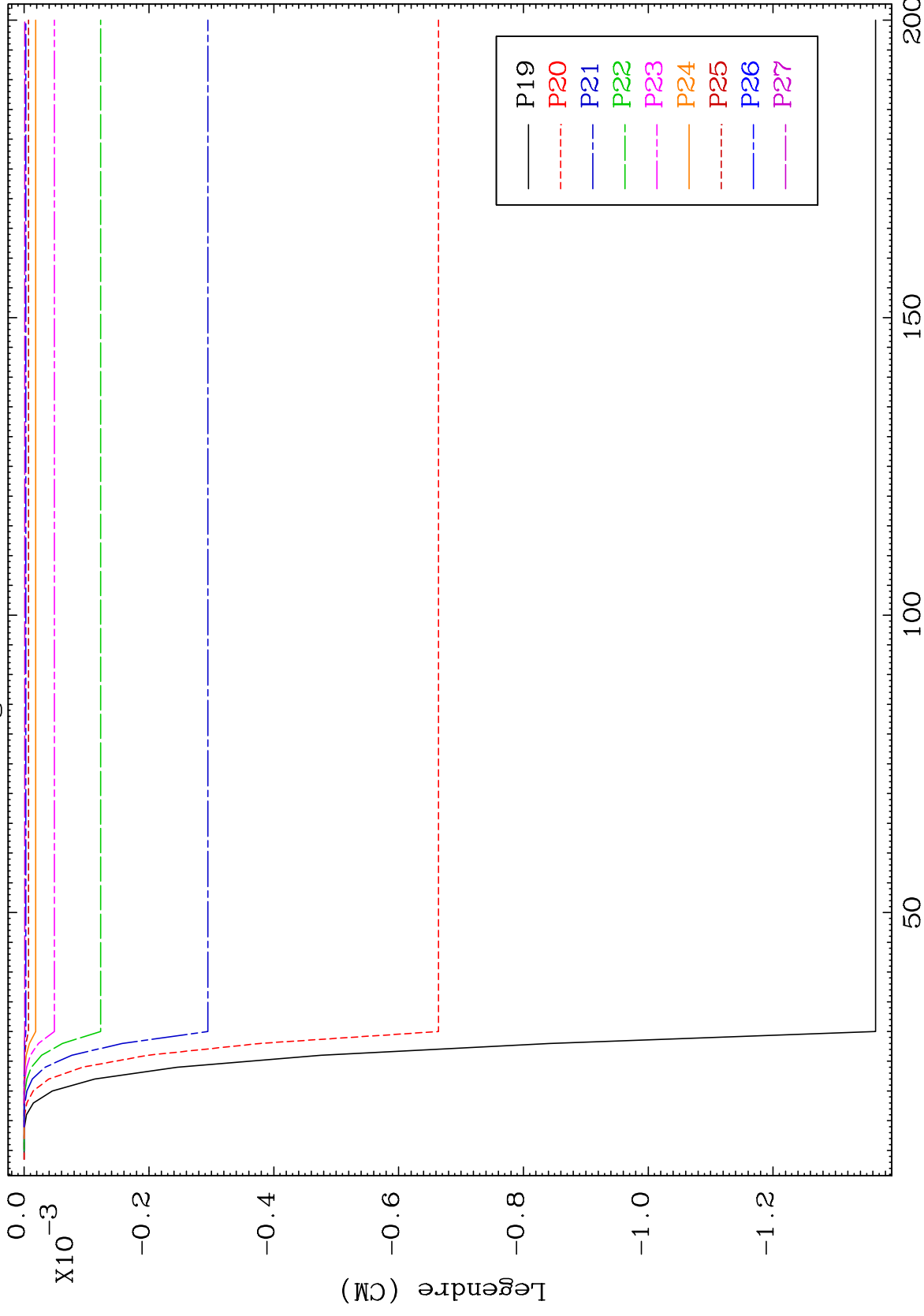
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

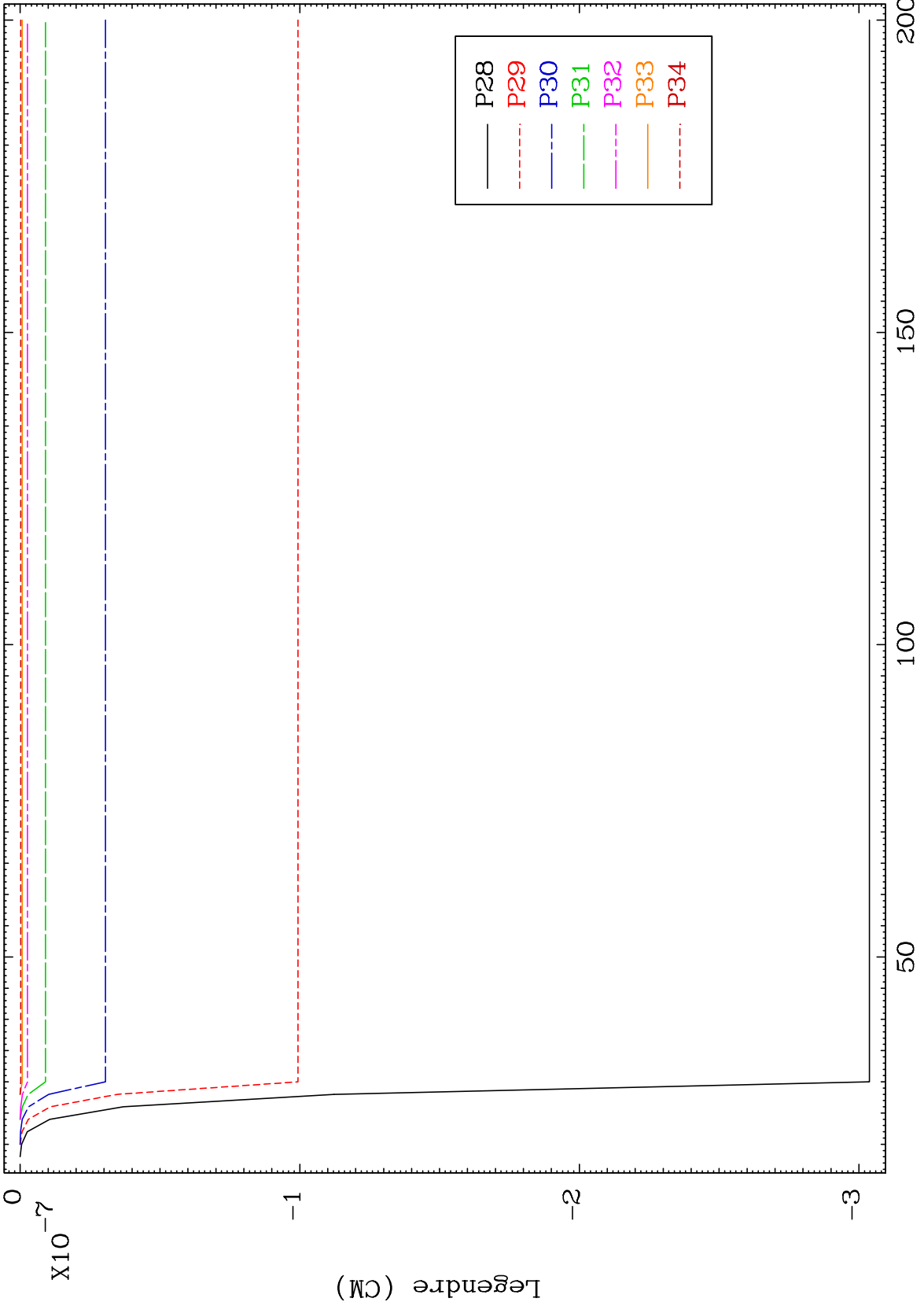


46

Incident Energy (MeV)

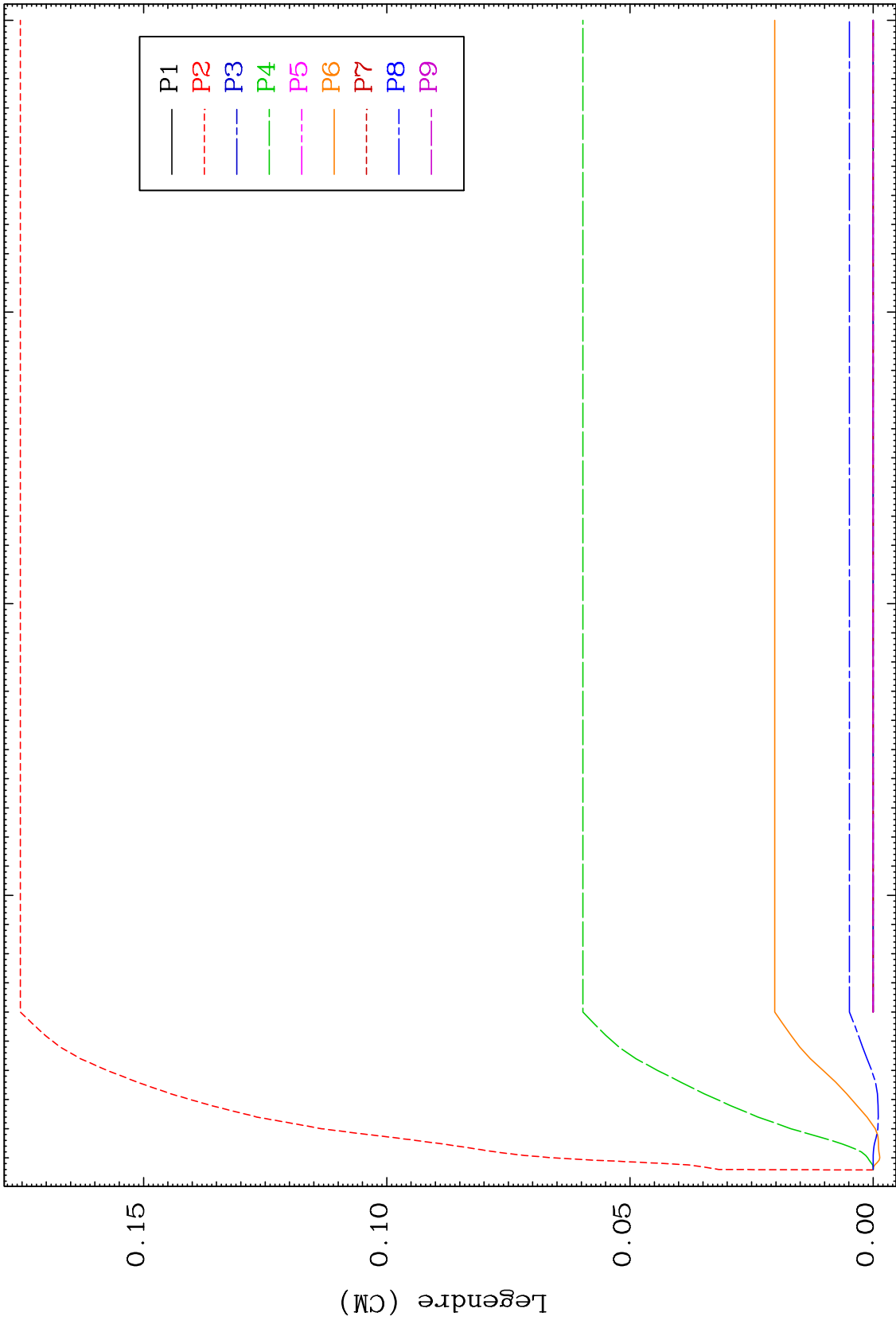
39-Y -89

MAT 3925 MT= 59 (n,n') Level Legendre Coefficients 39-Y -89



47 Incident Energy (MeV) 39-Y -89

MAT 3925 MT= 60 (n,n') Level Legendre Coefficients 39-Y -89

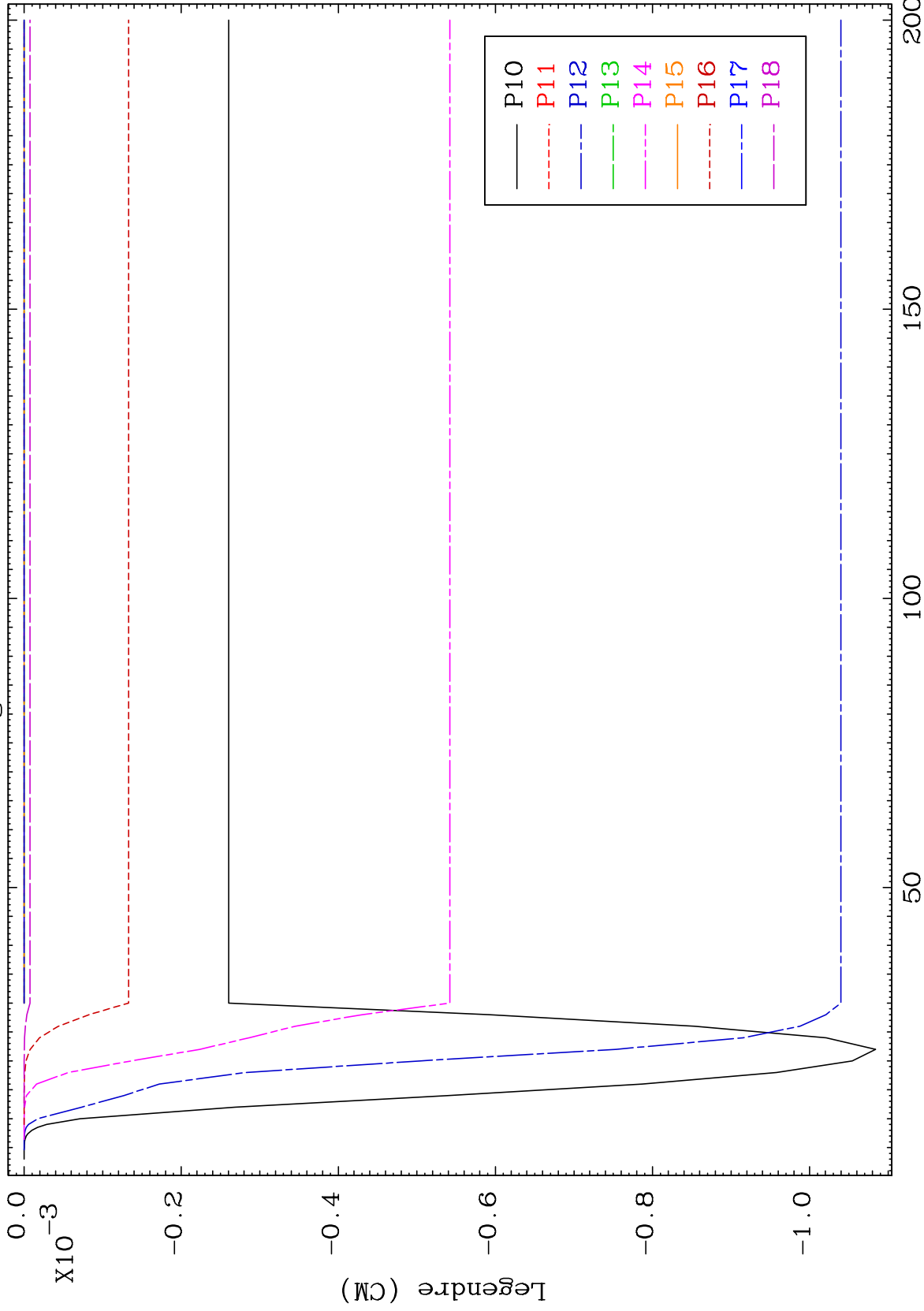


48 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



49

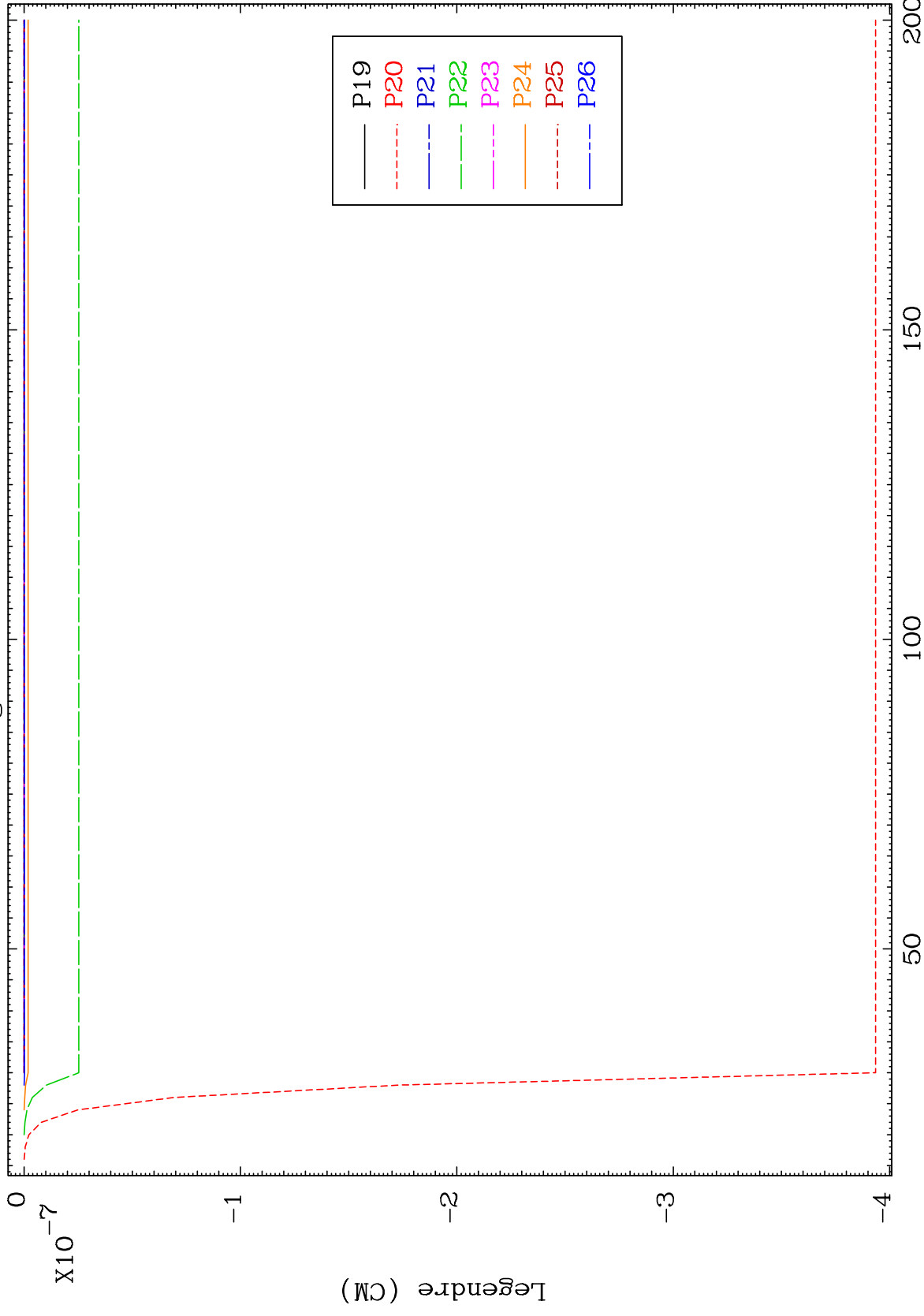
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



39-Y -89

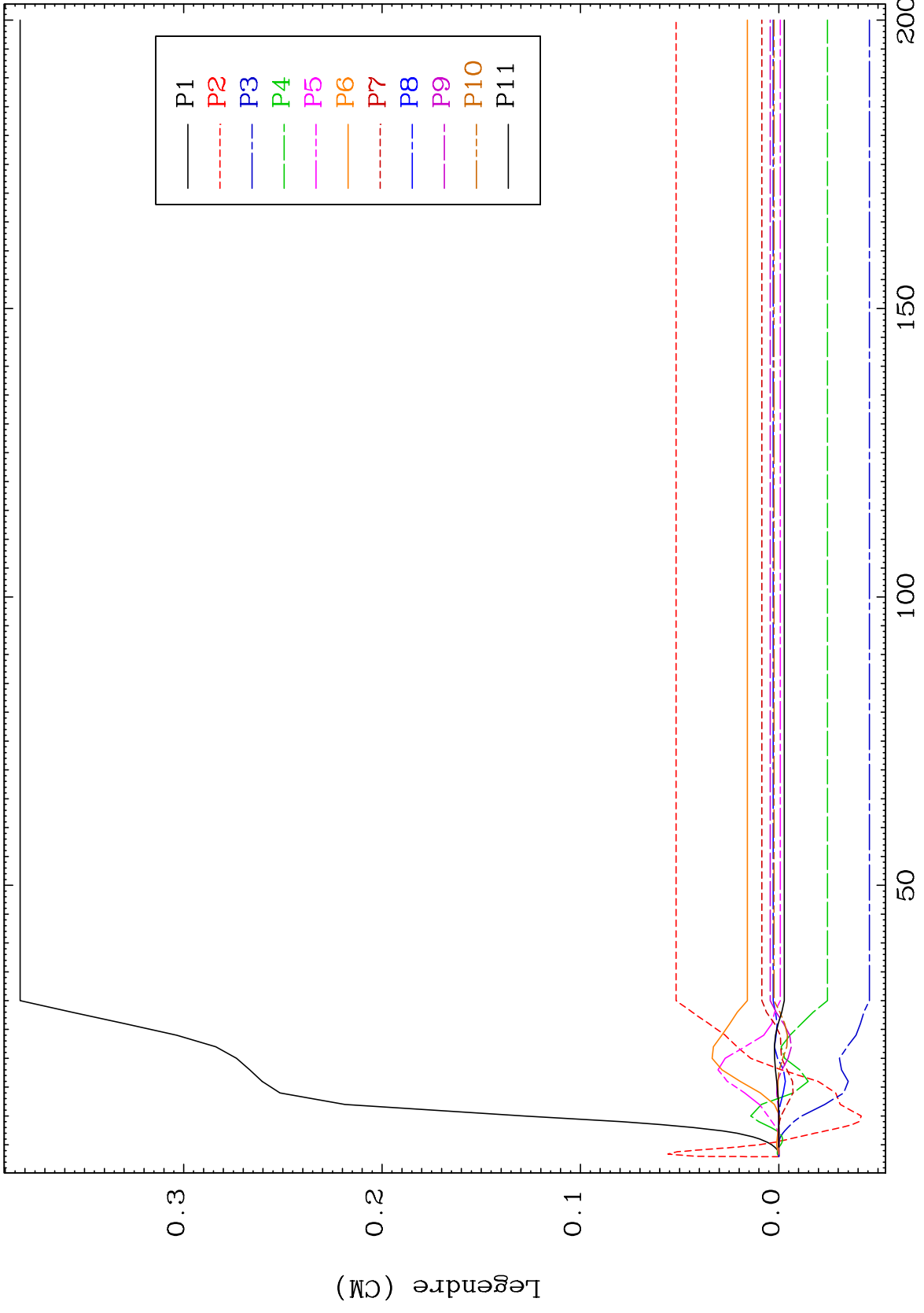
Incident Energy (MeV)

50

MAT 3925

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

39-Y -89



51

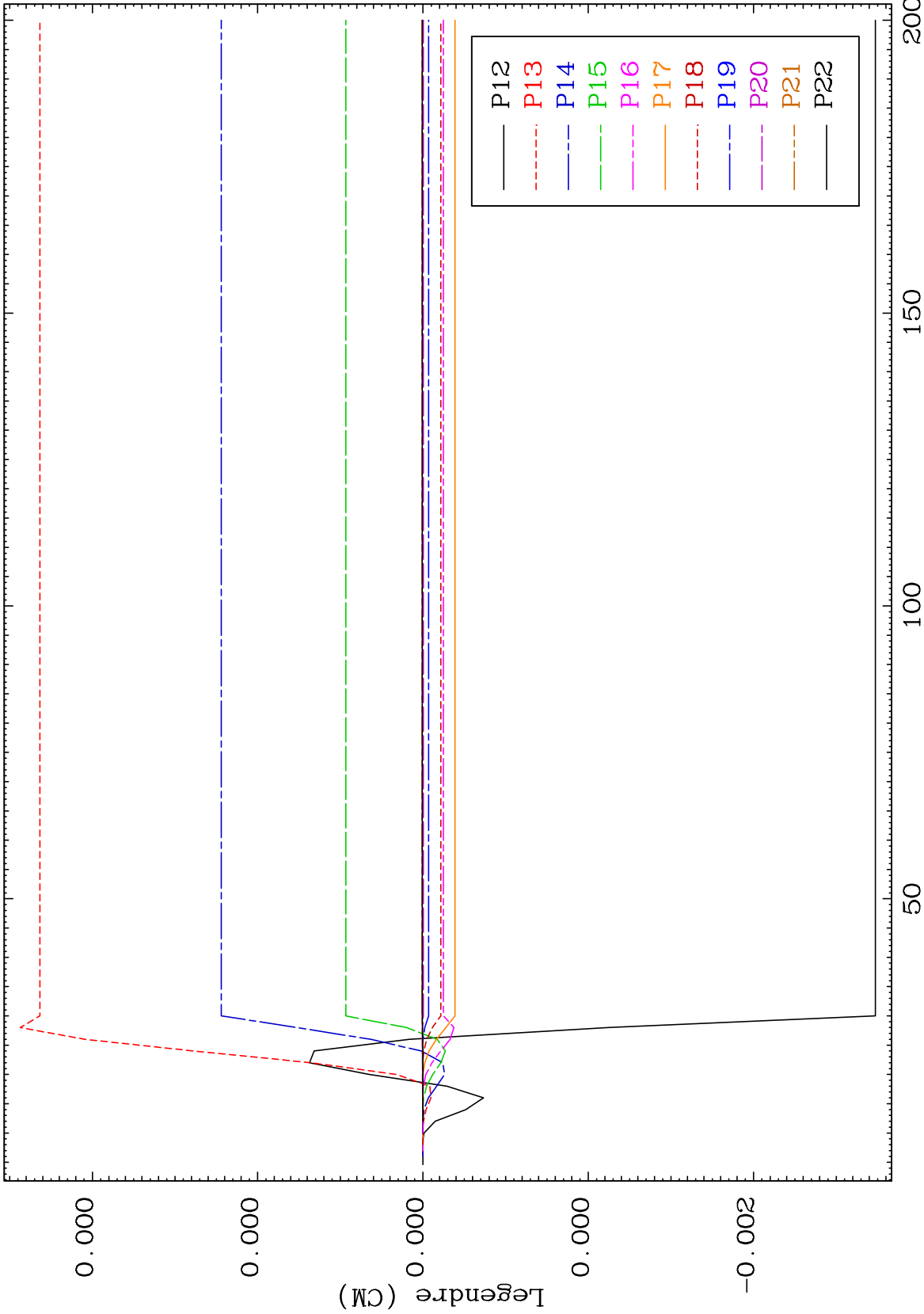
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



52

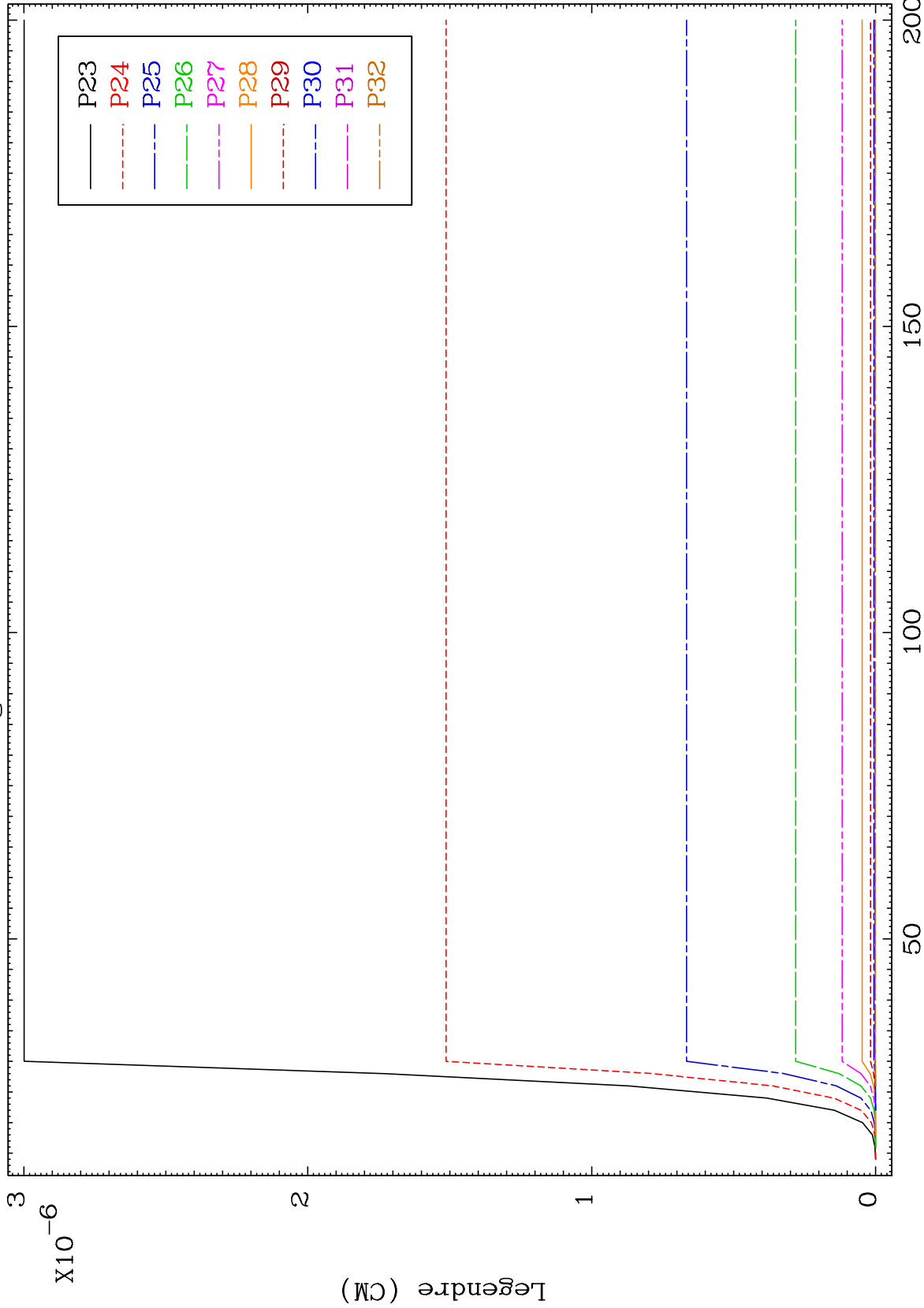
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



53

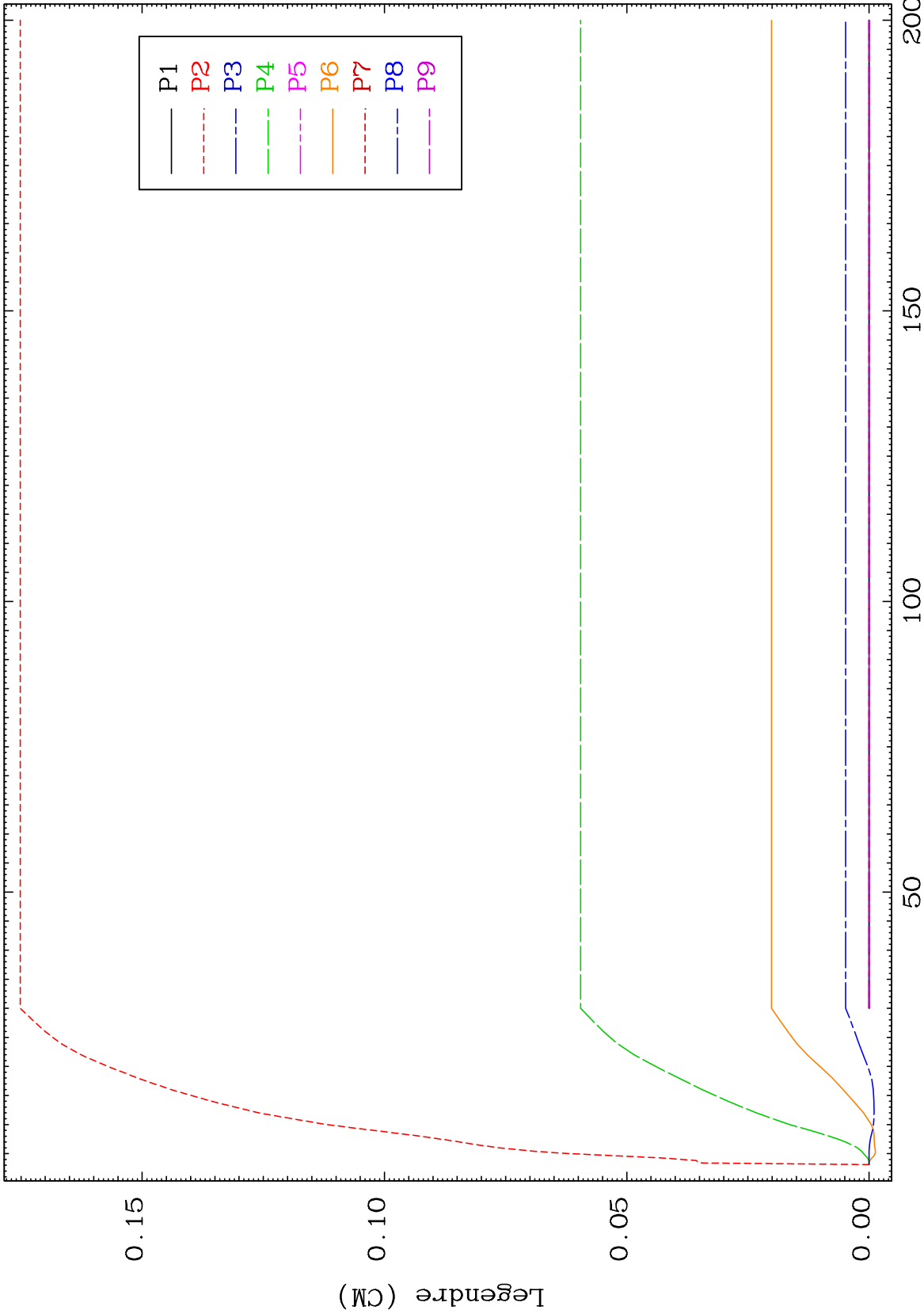
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



54

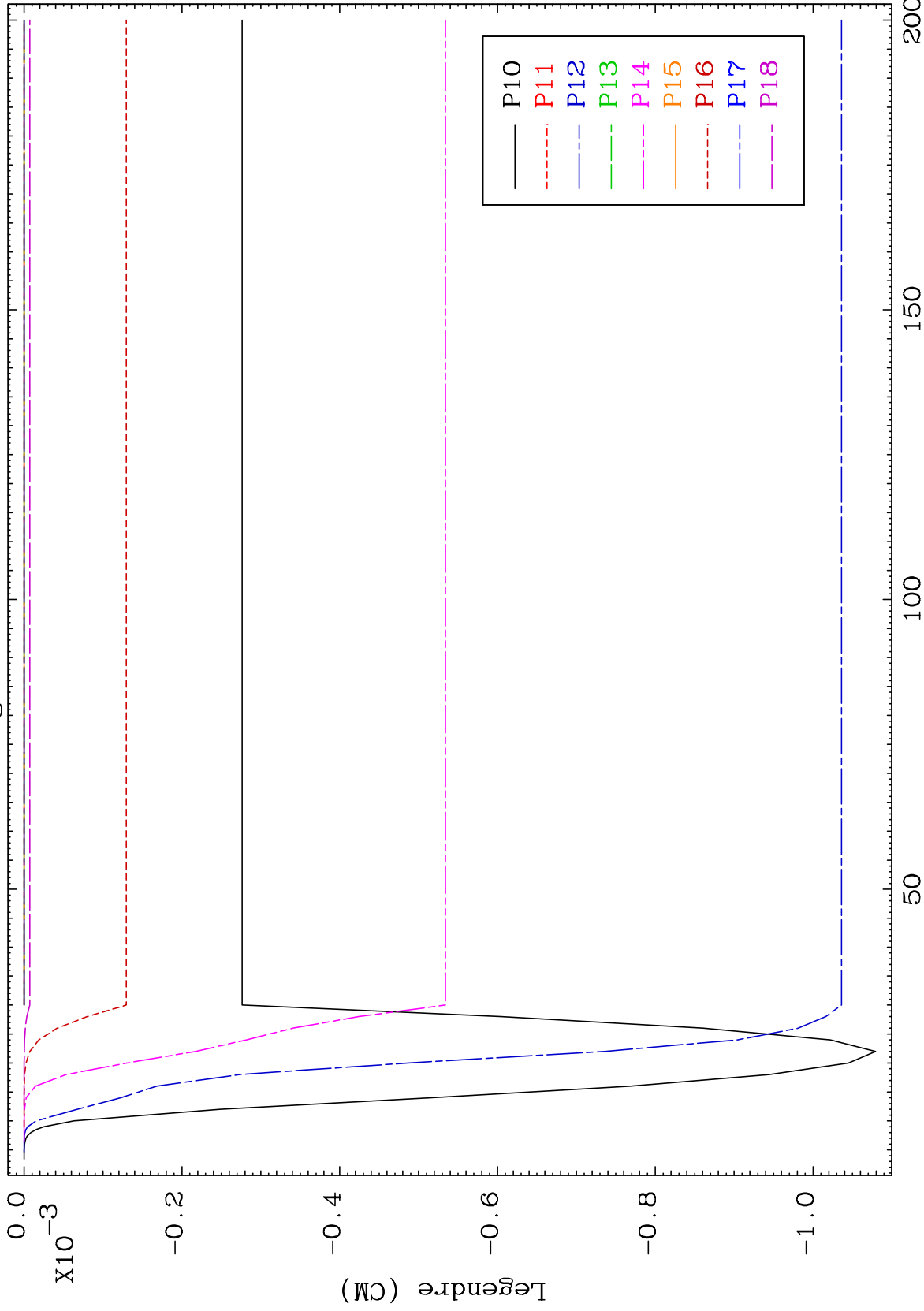
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

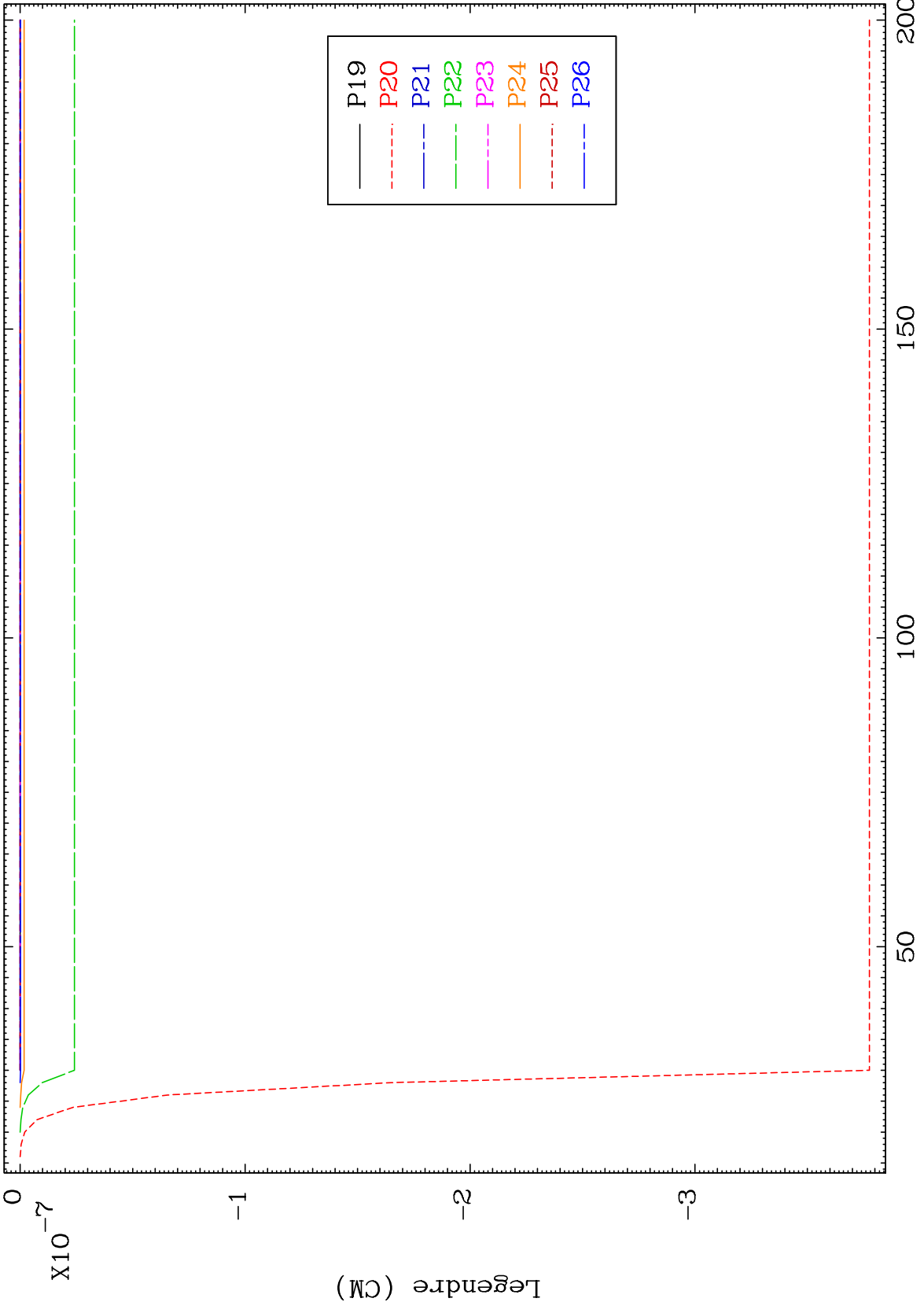


55

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 62 (n,n') Level Legendre Coefficients 39-Y -89

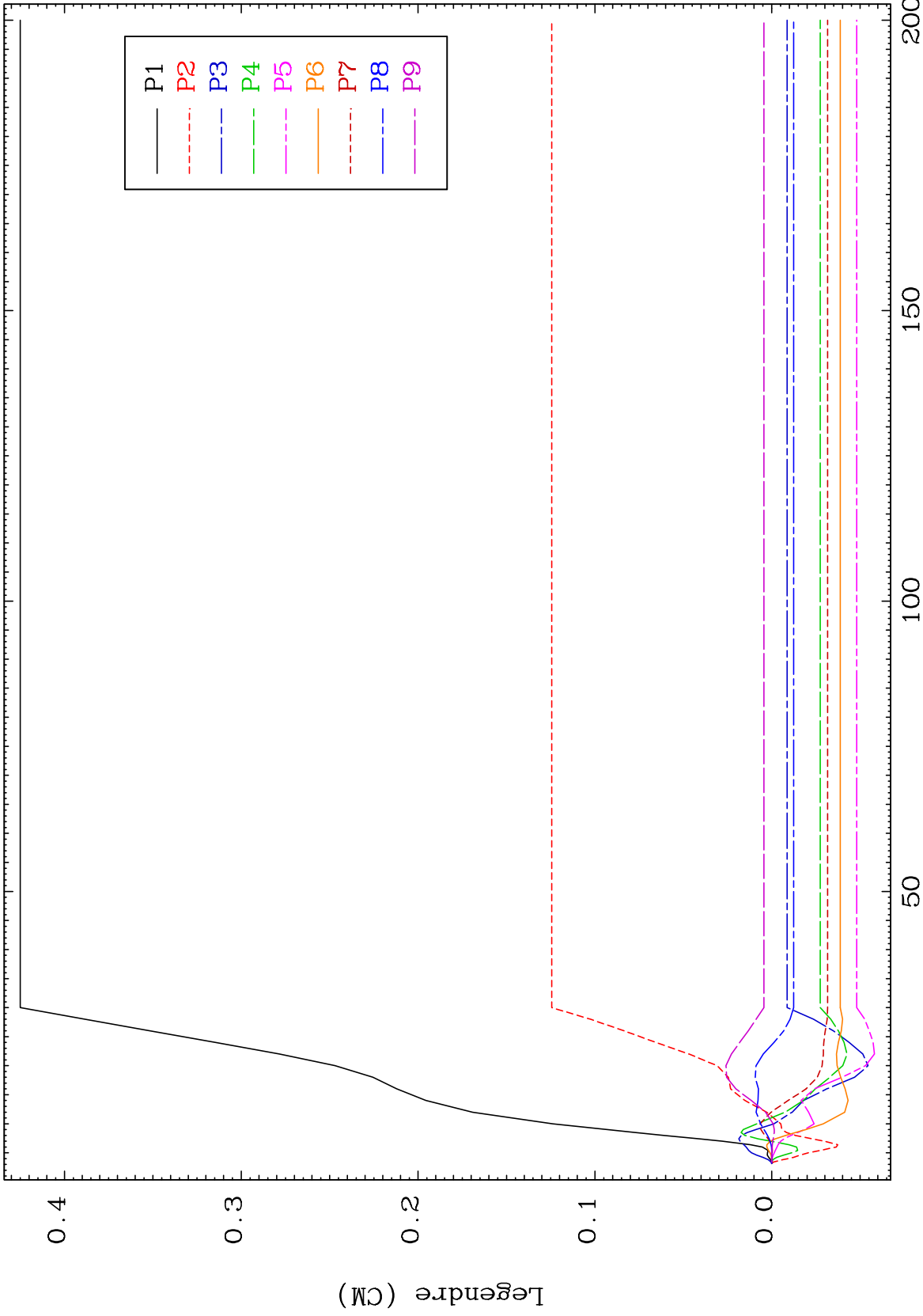


56 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



57

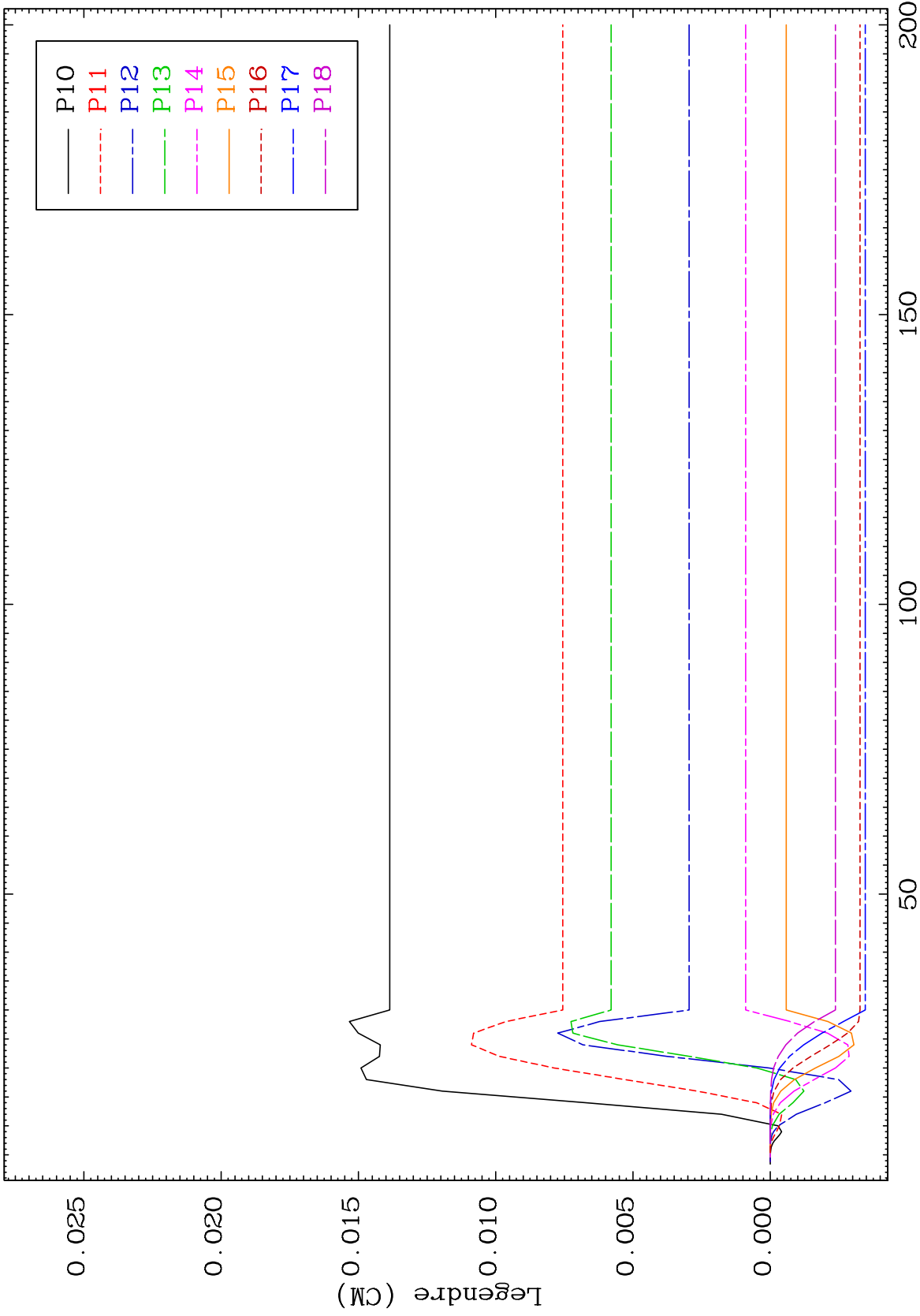
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



58

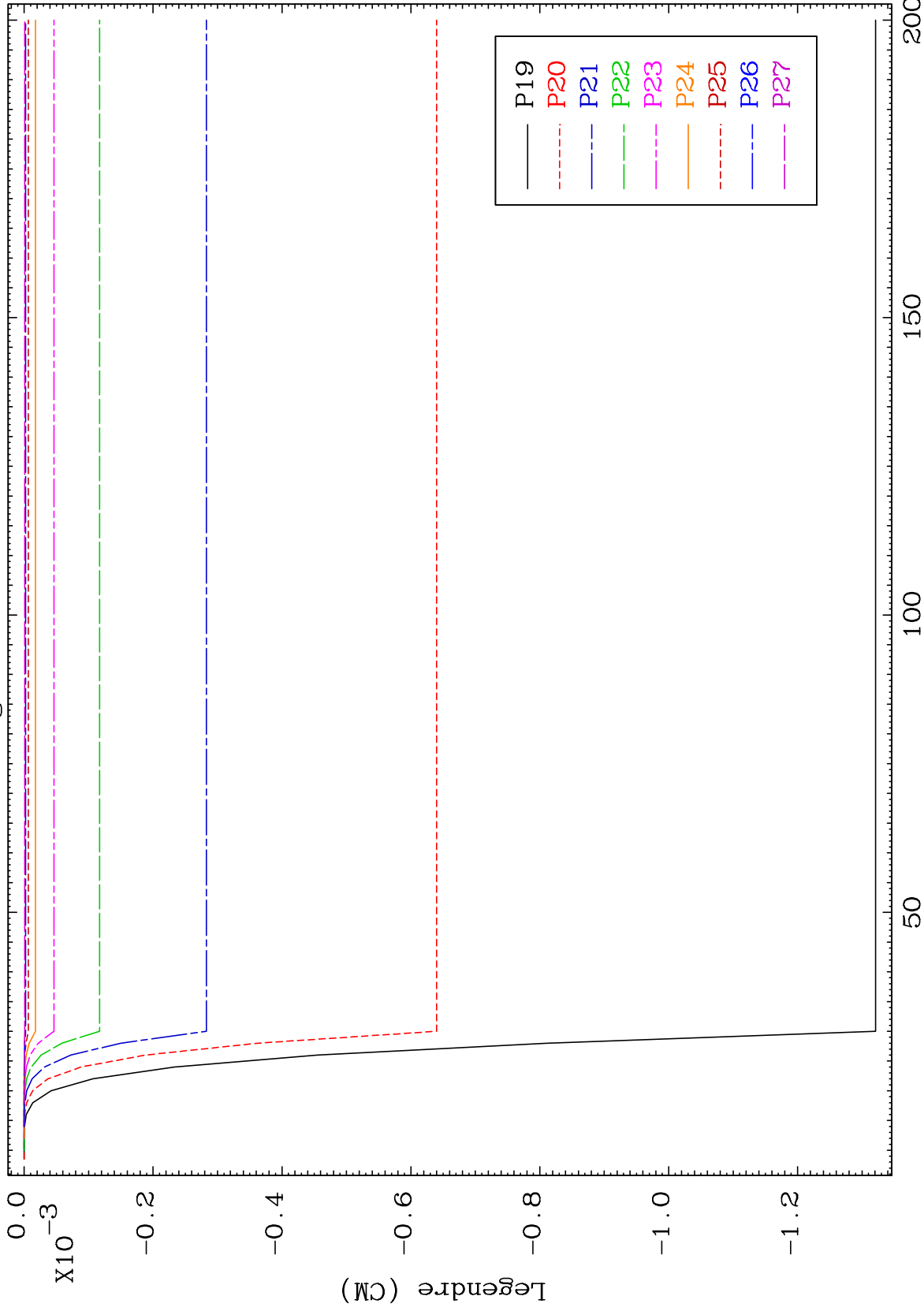
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

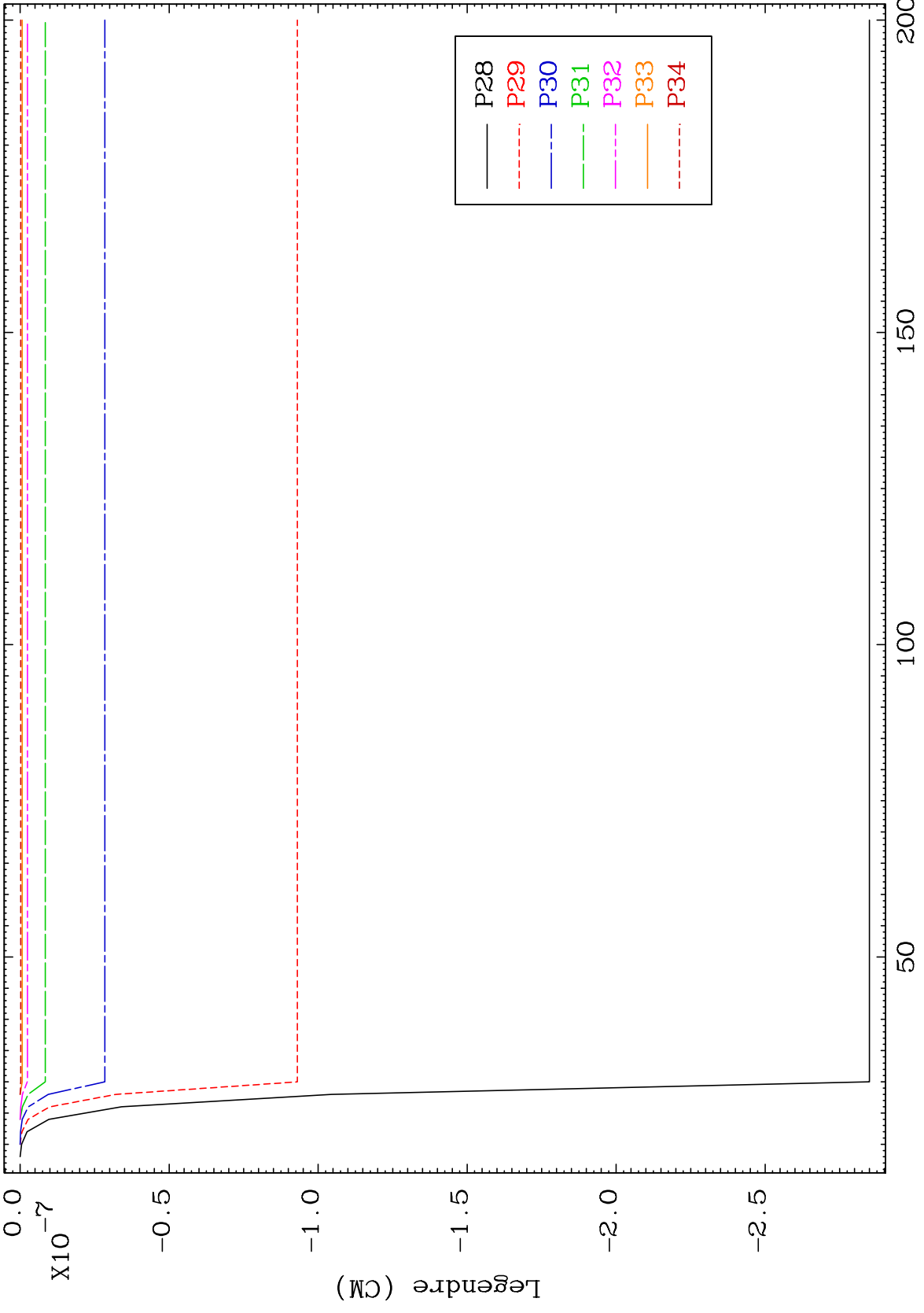


59

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 63 (n,n') Level Legendre Coefficients 39-Y -89

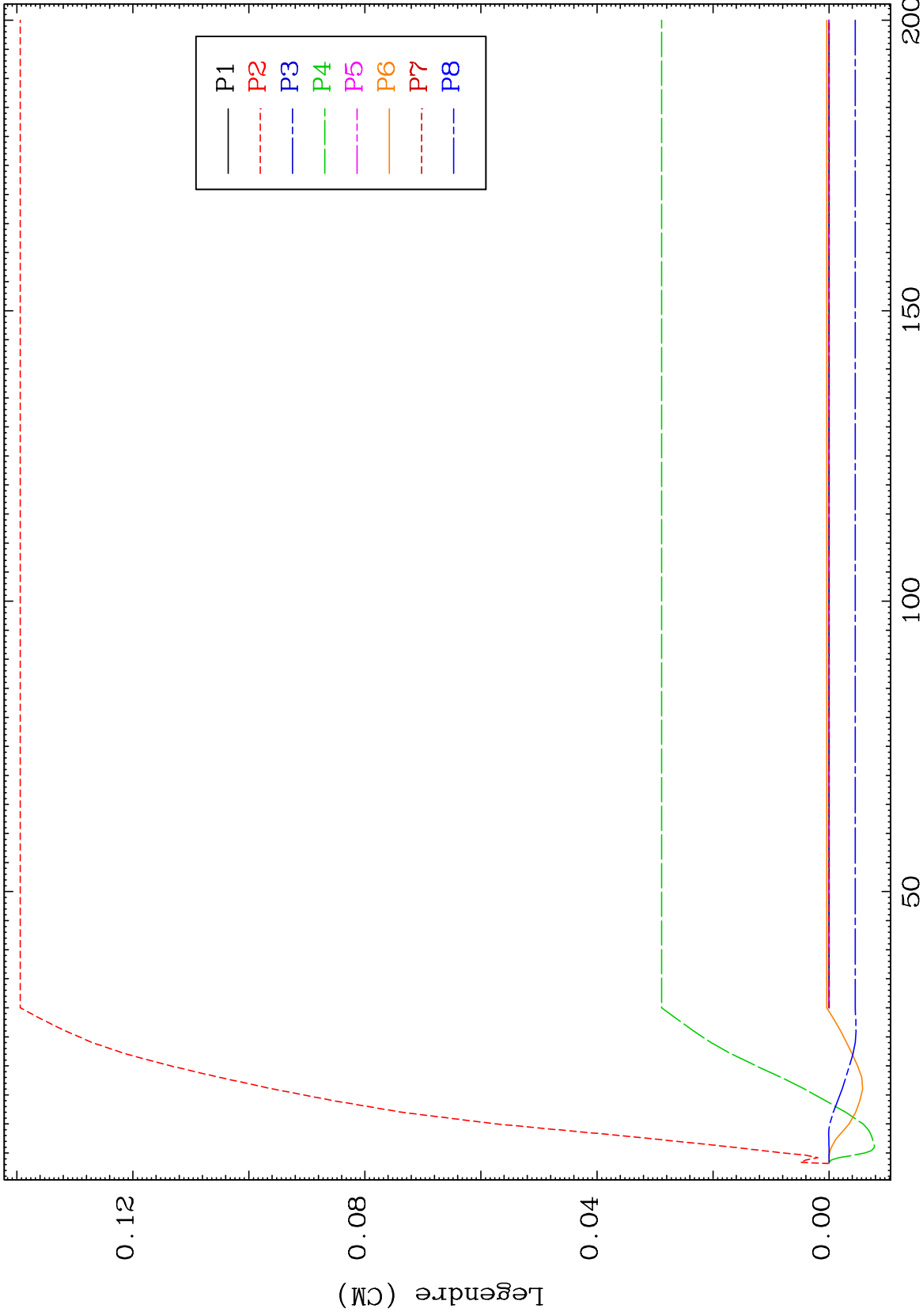


60 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



61

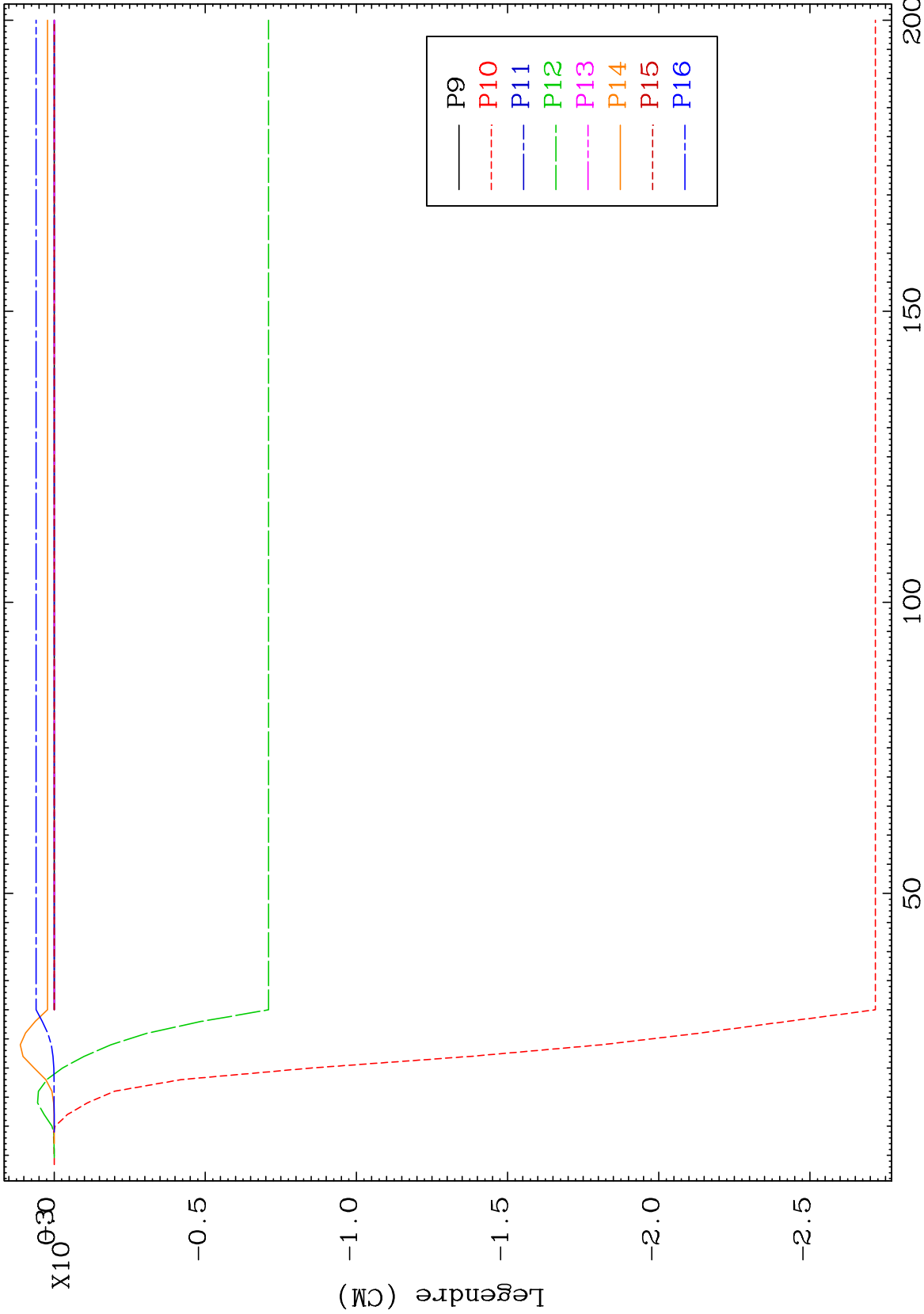
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

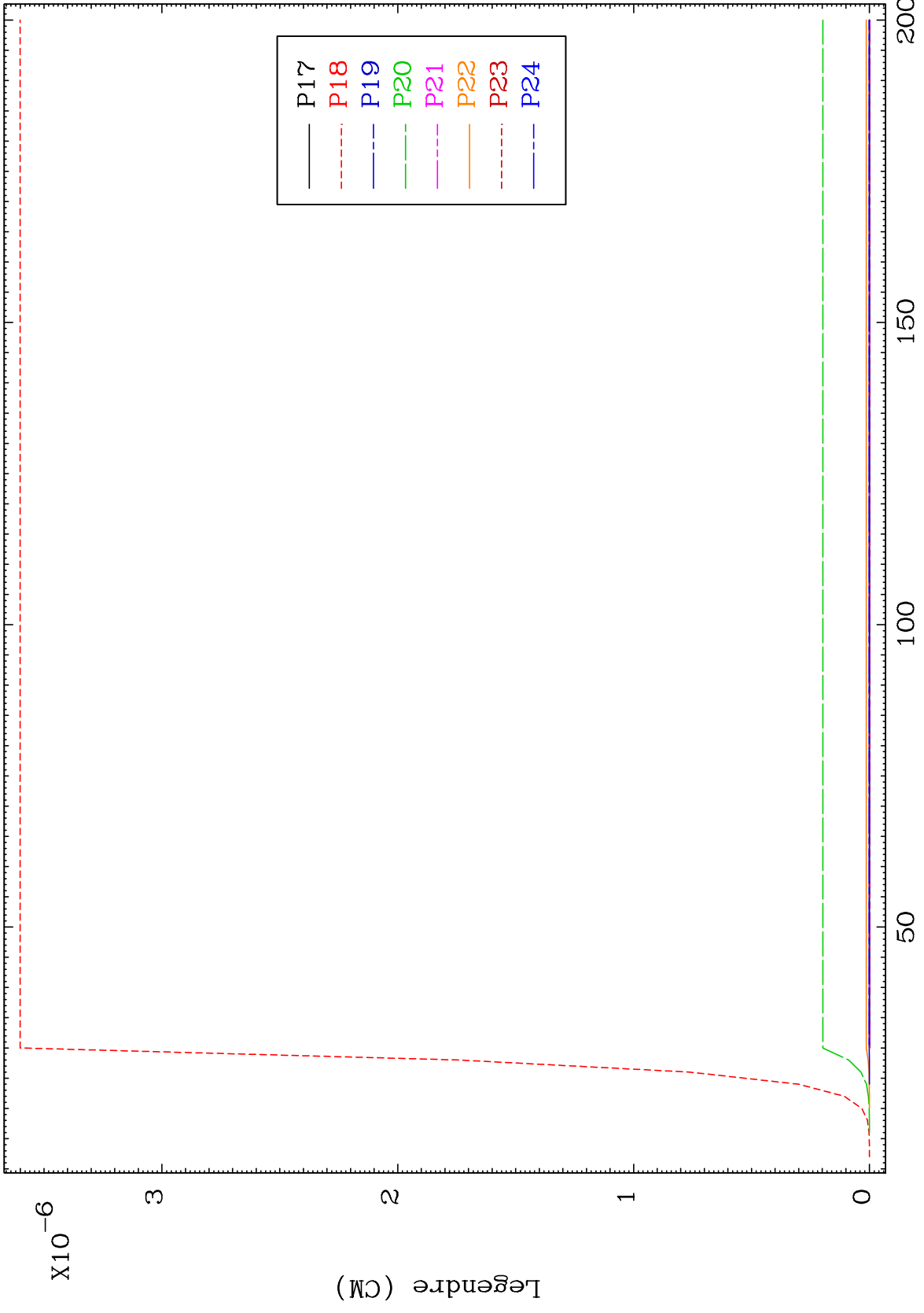


62

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 64 (n,n') Level Legendre Coefficients 39-Y -89

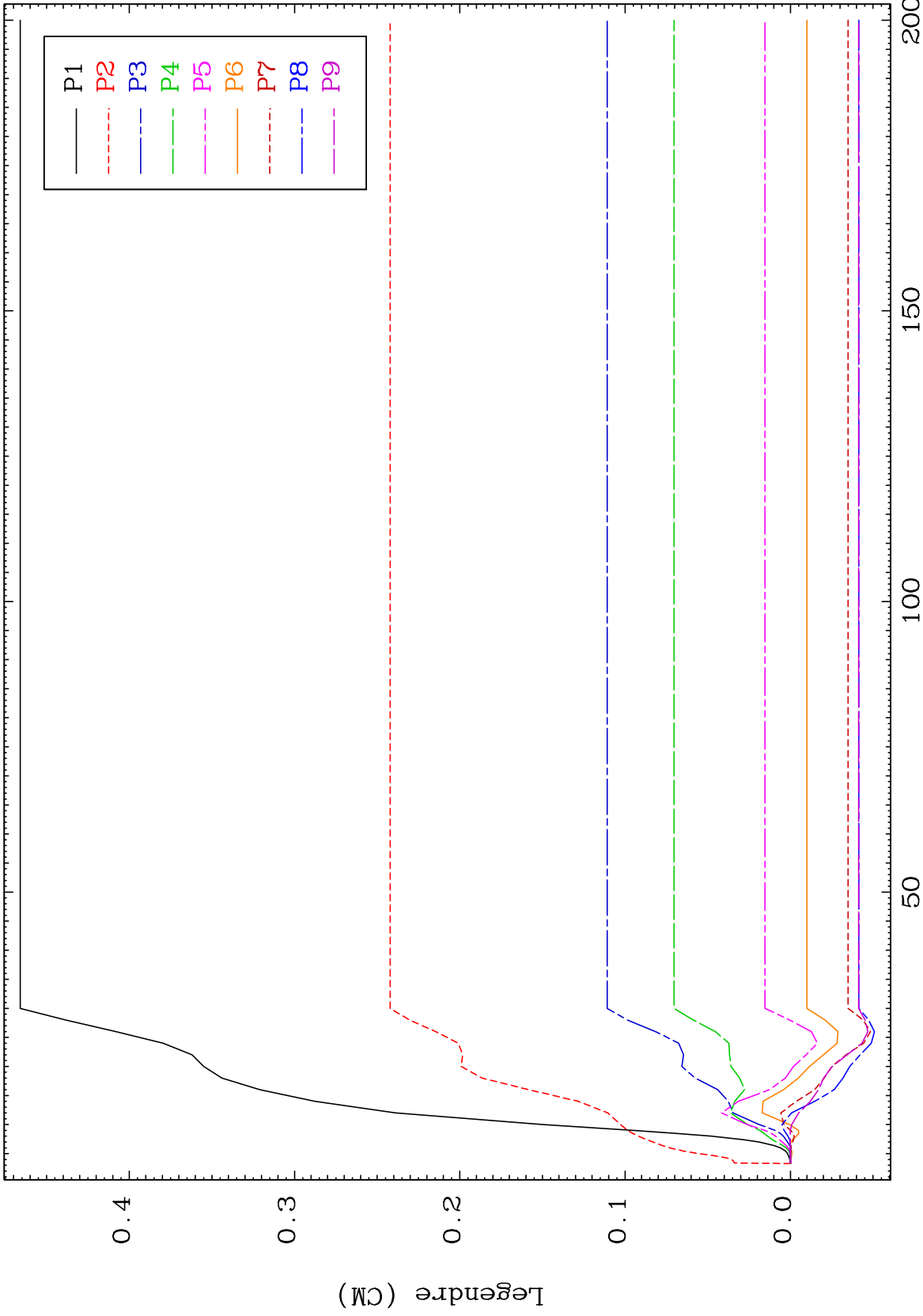


63 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



64

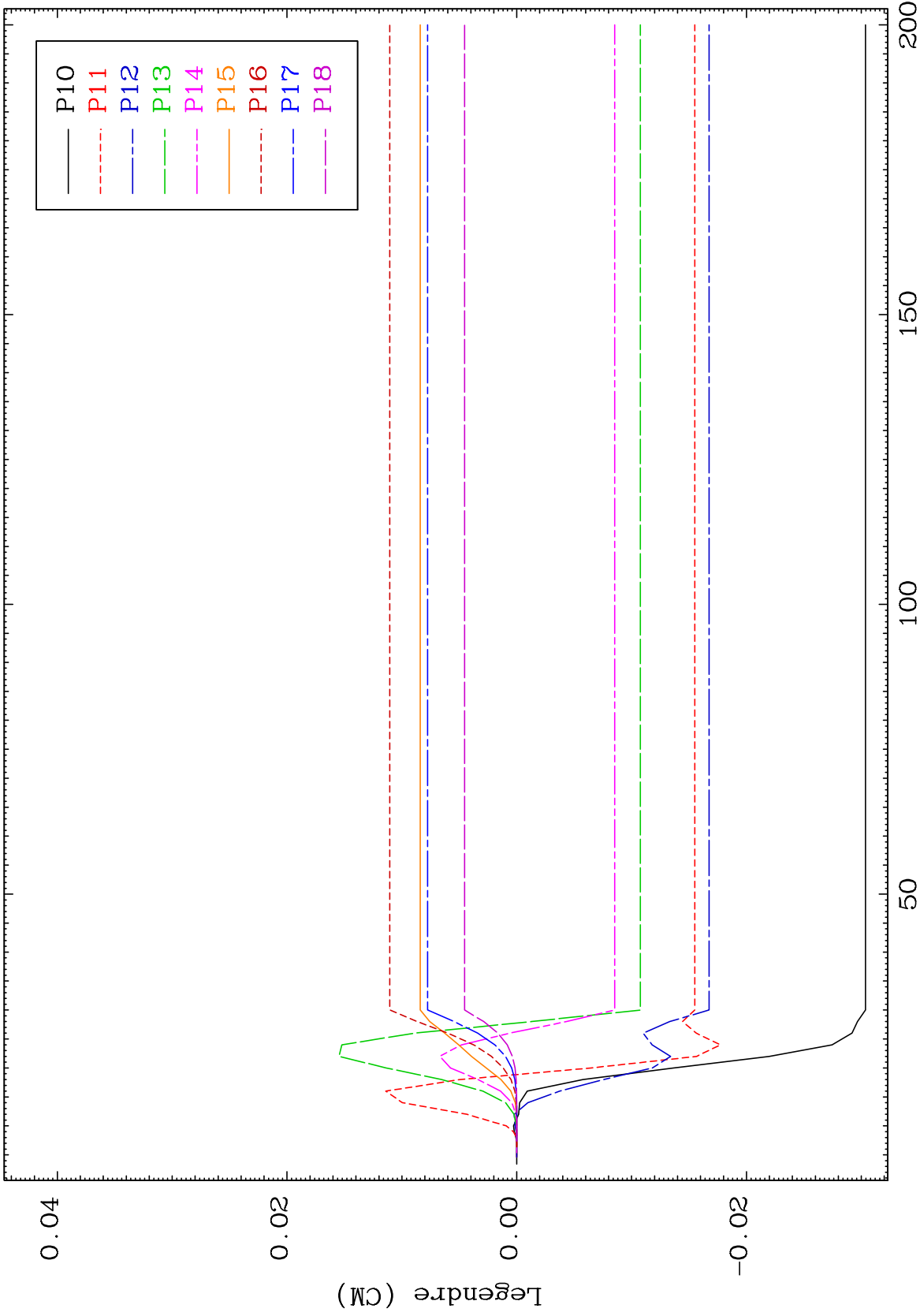
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



65

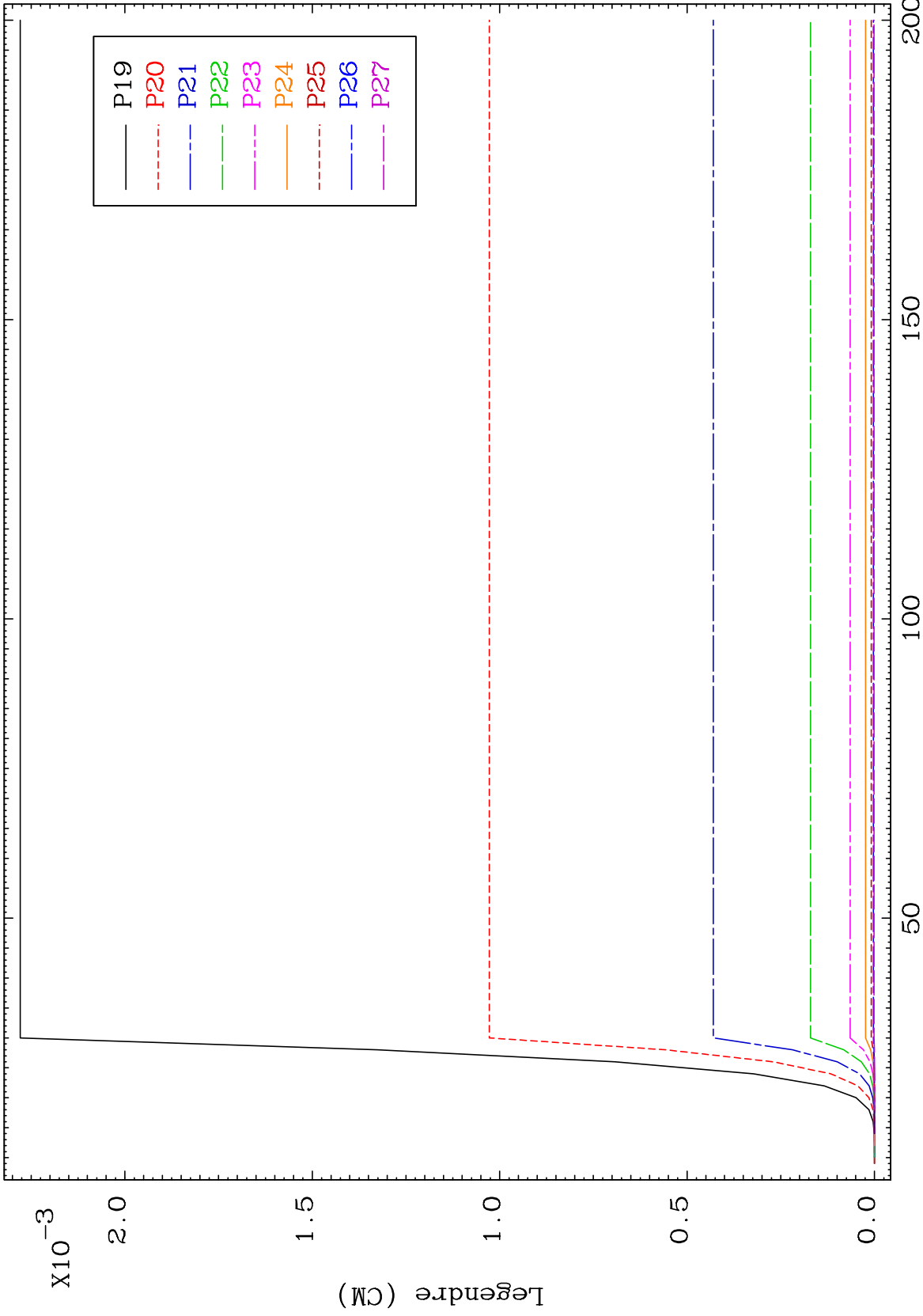
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



66

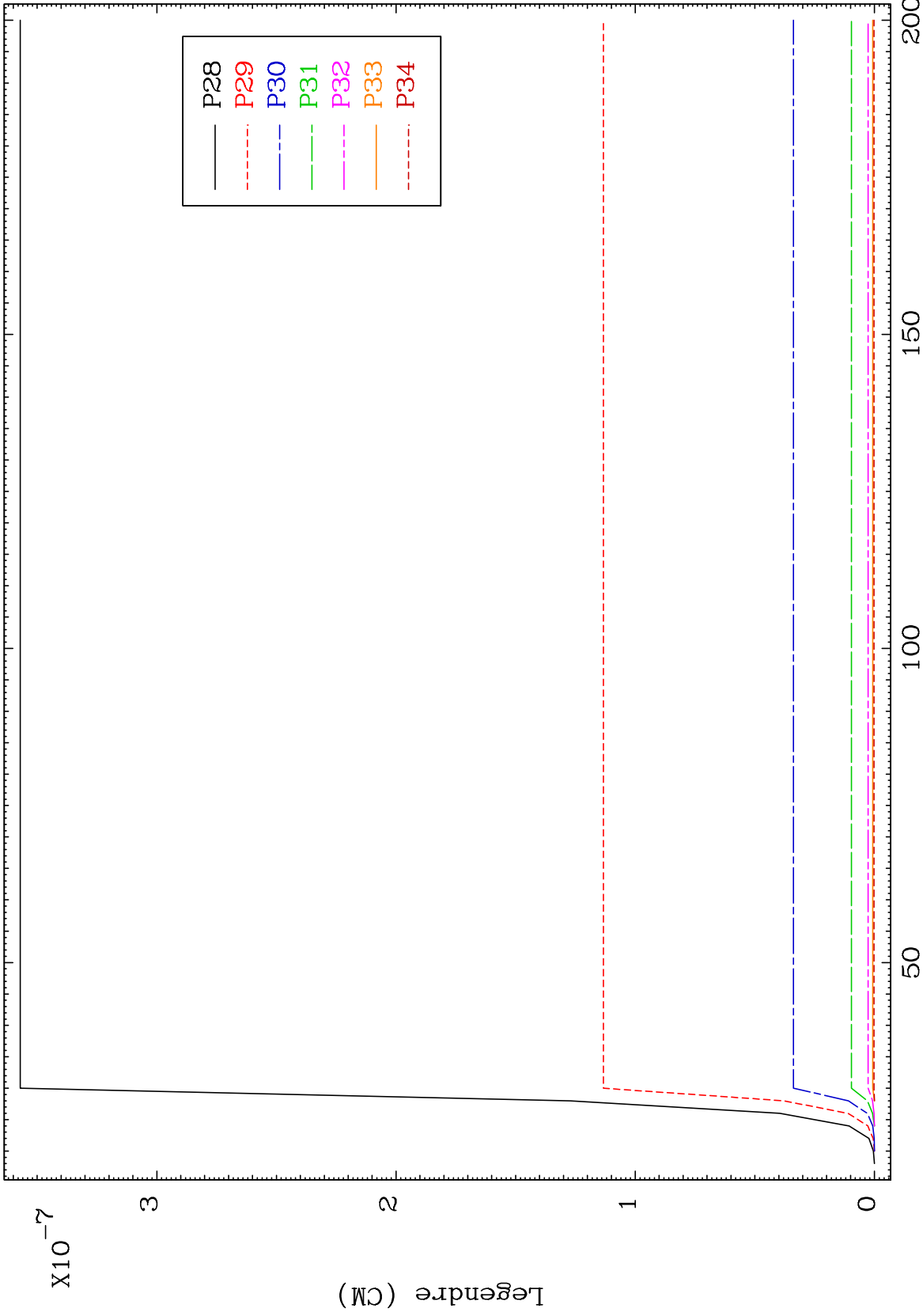
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



67

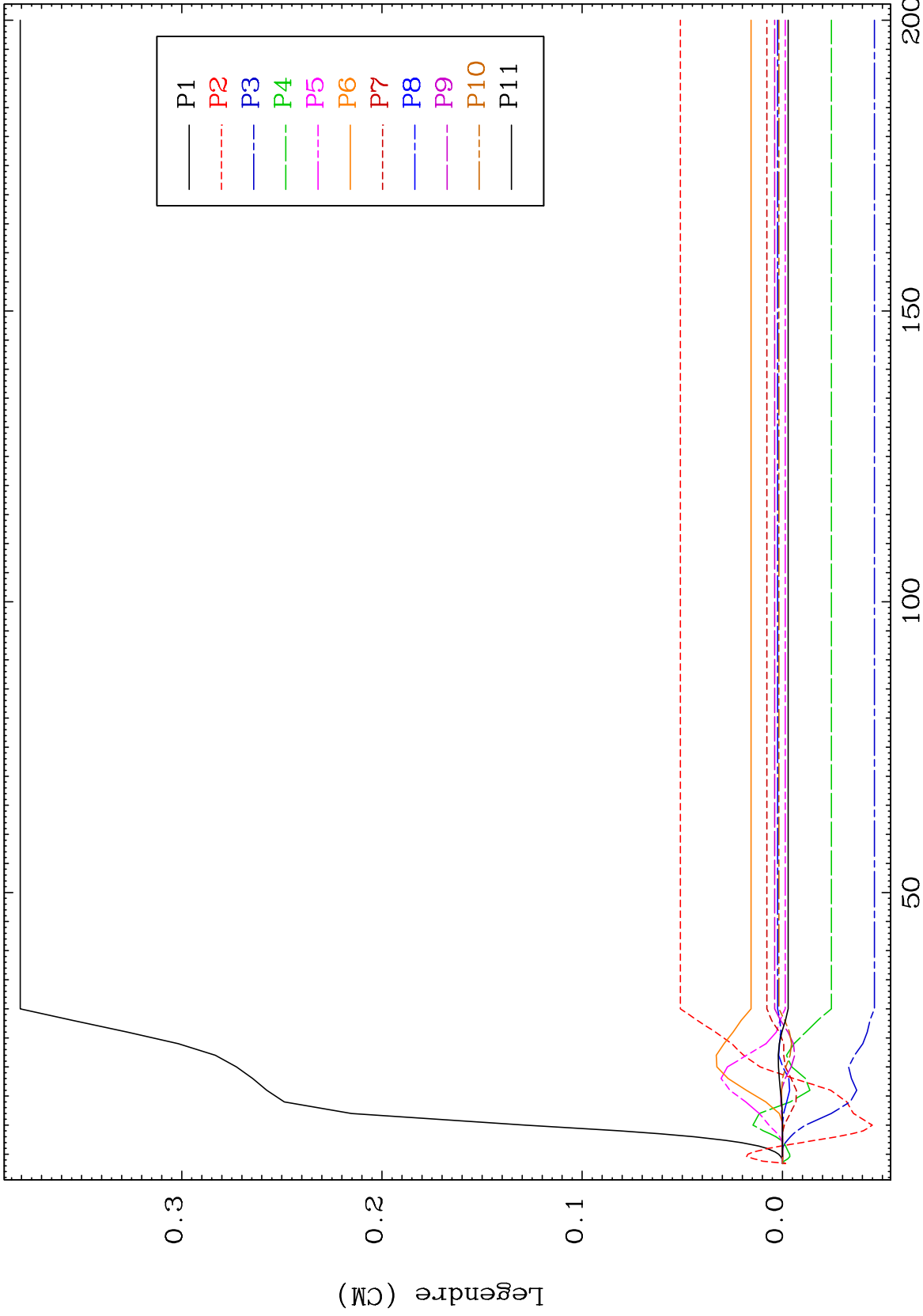
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



68

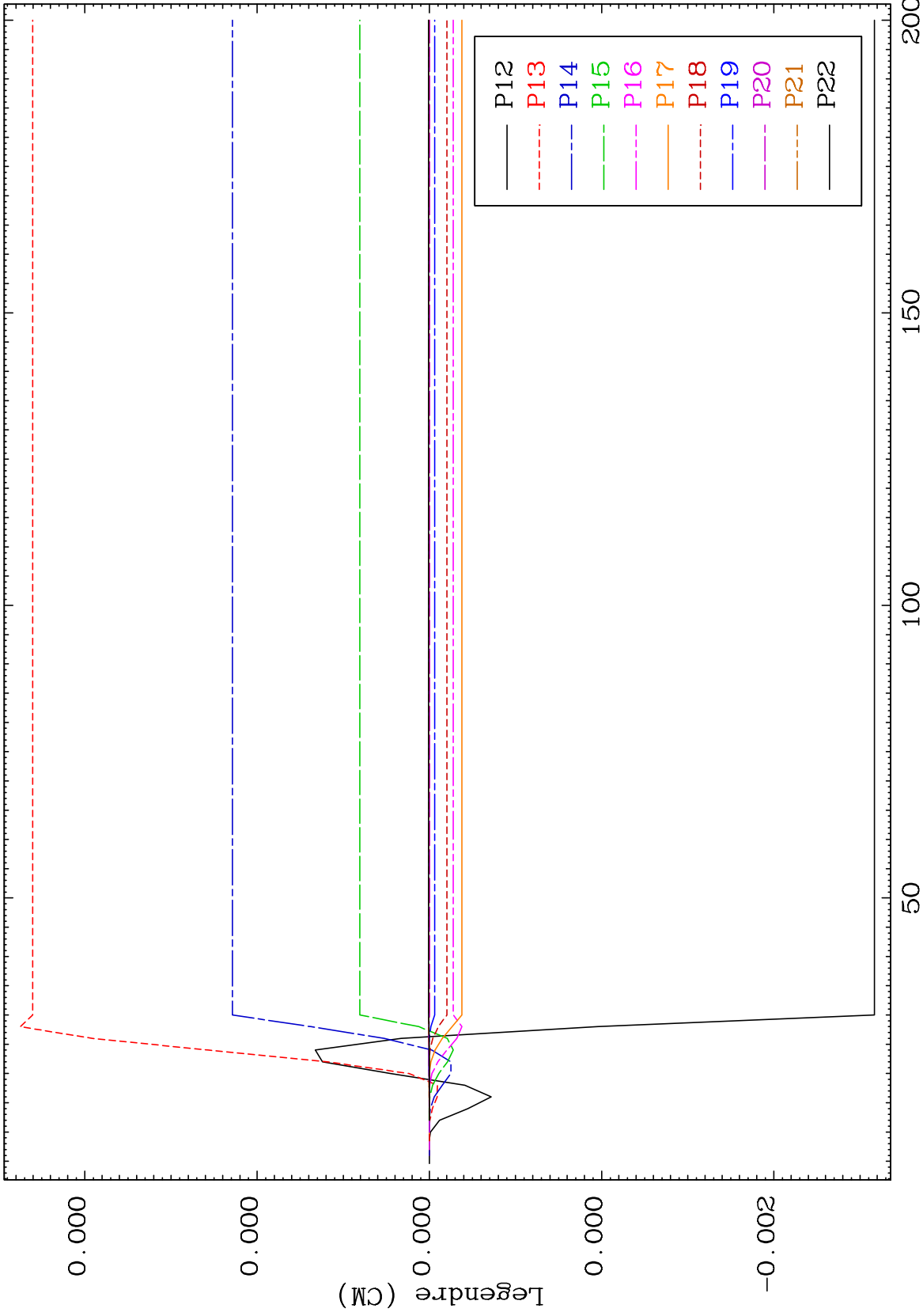
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



69

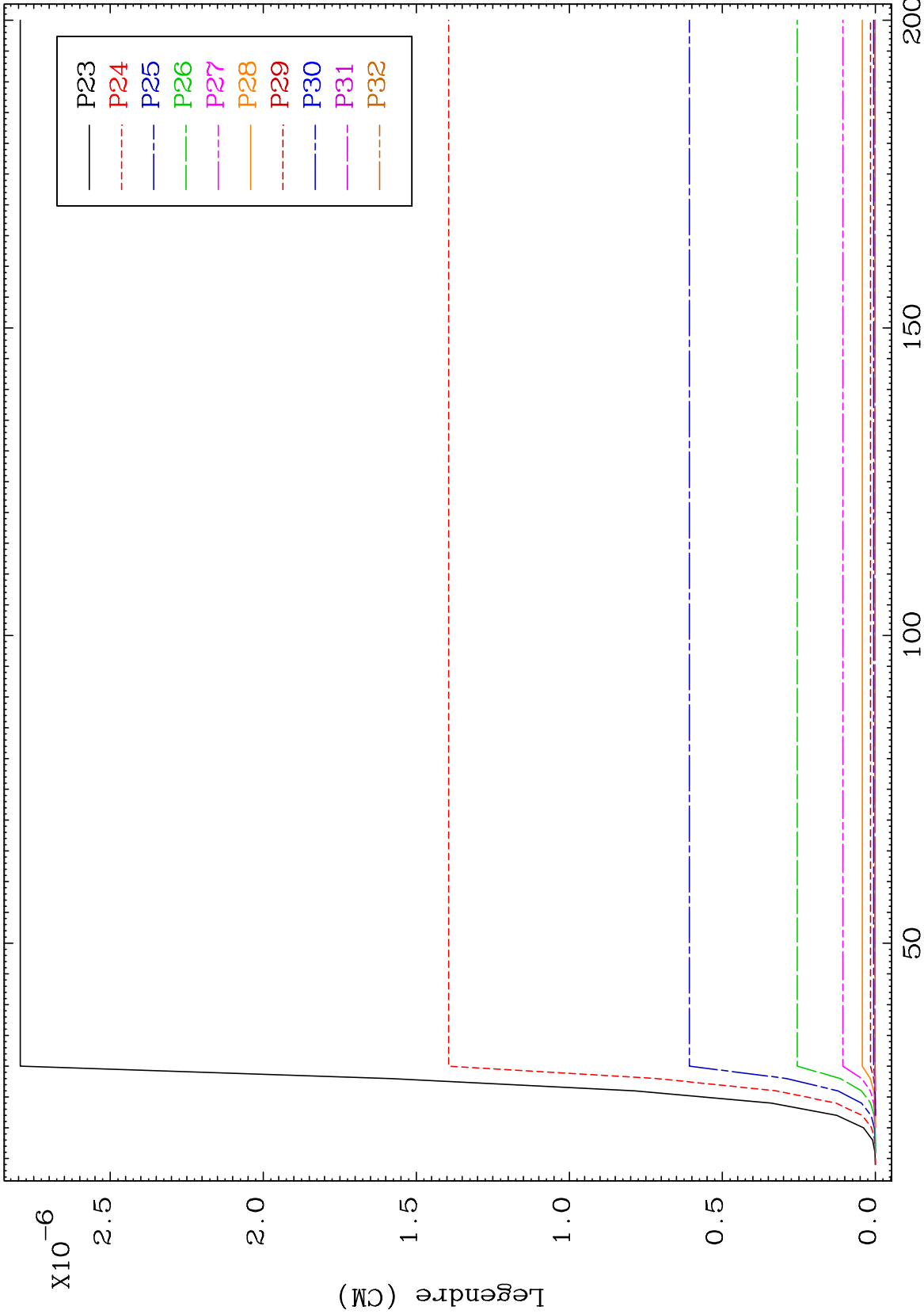
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



70

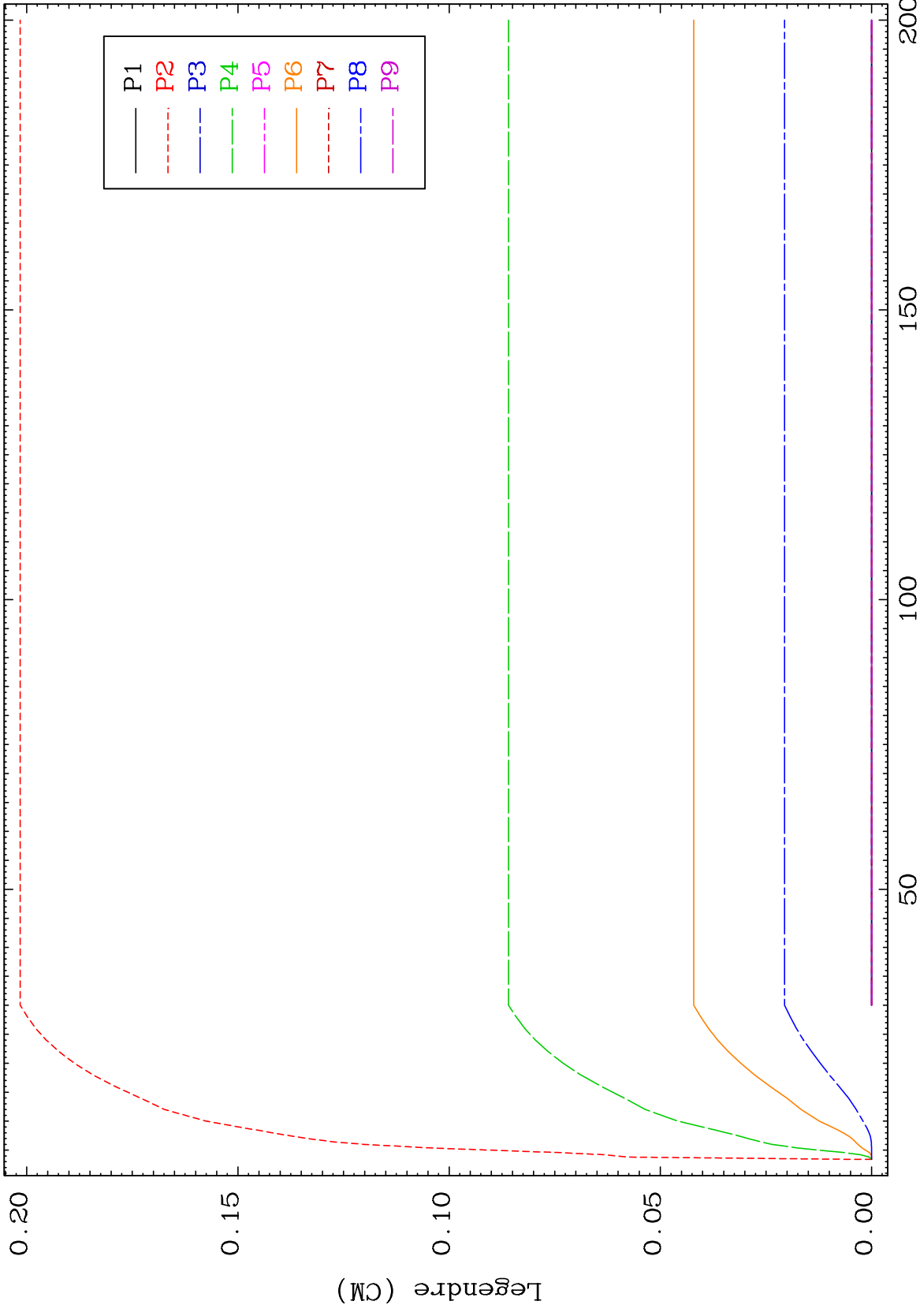
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



71

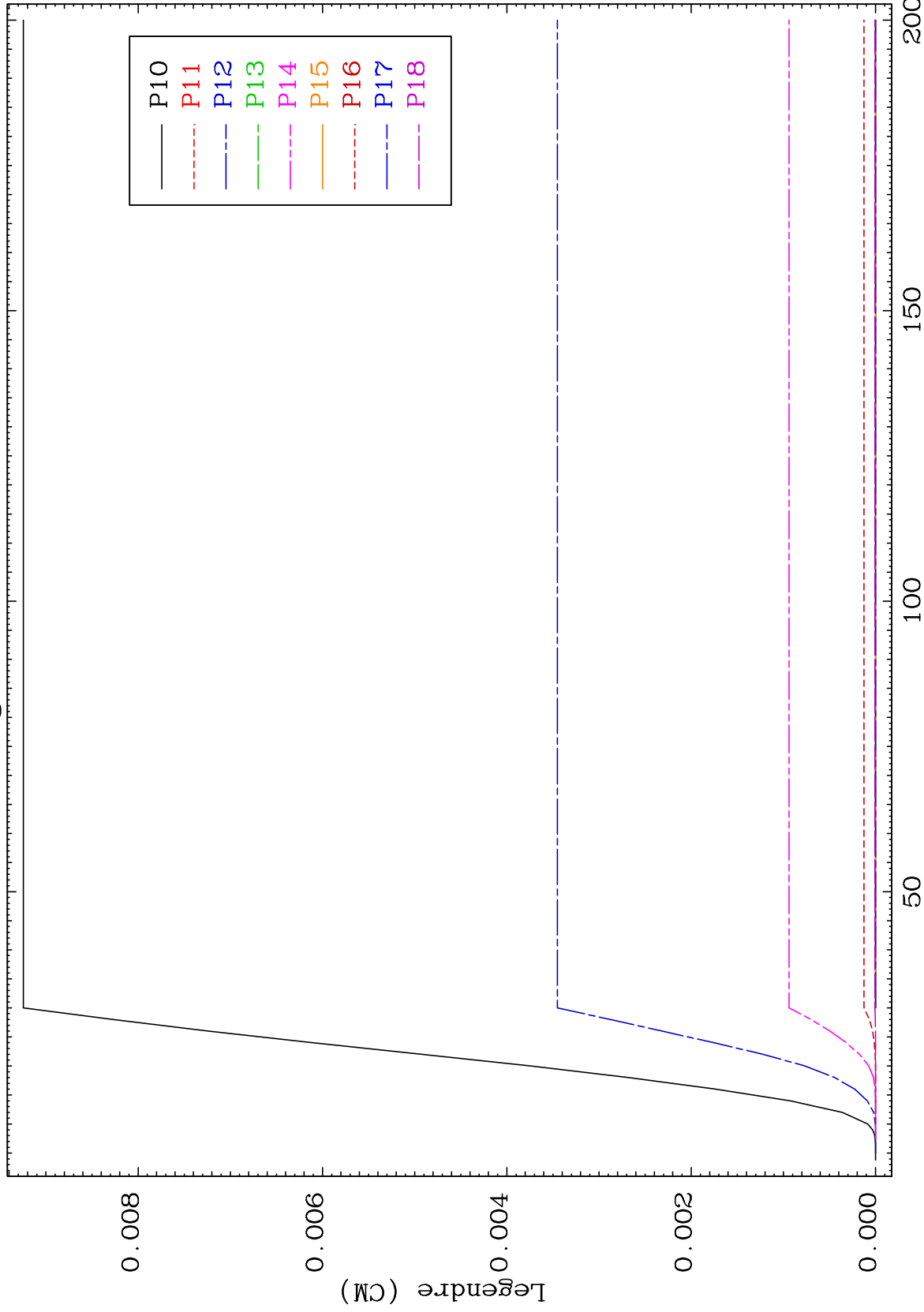
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



72

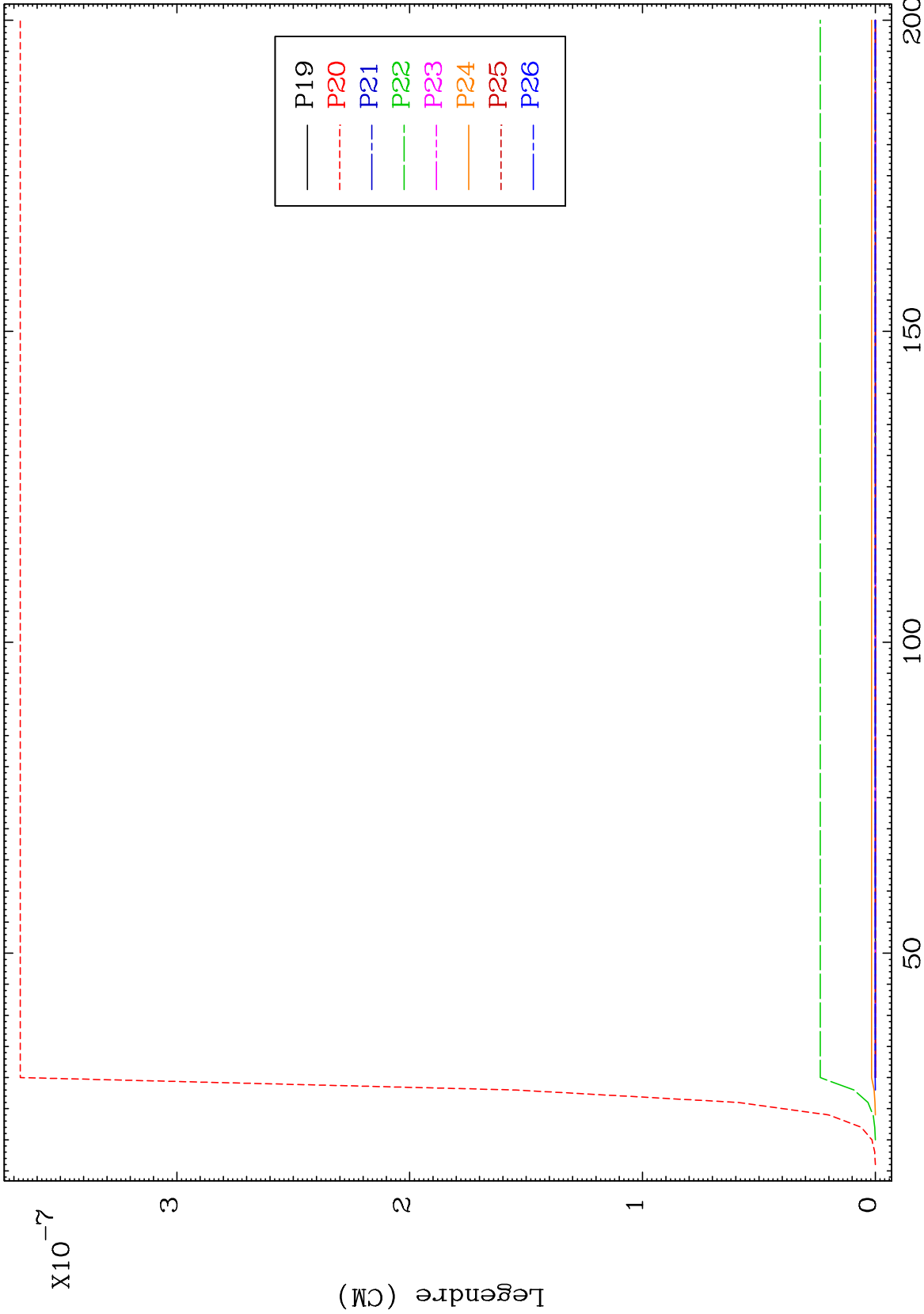
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



73

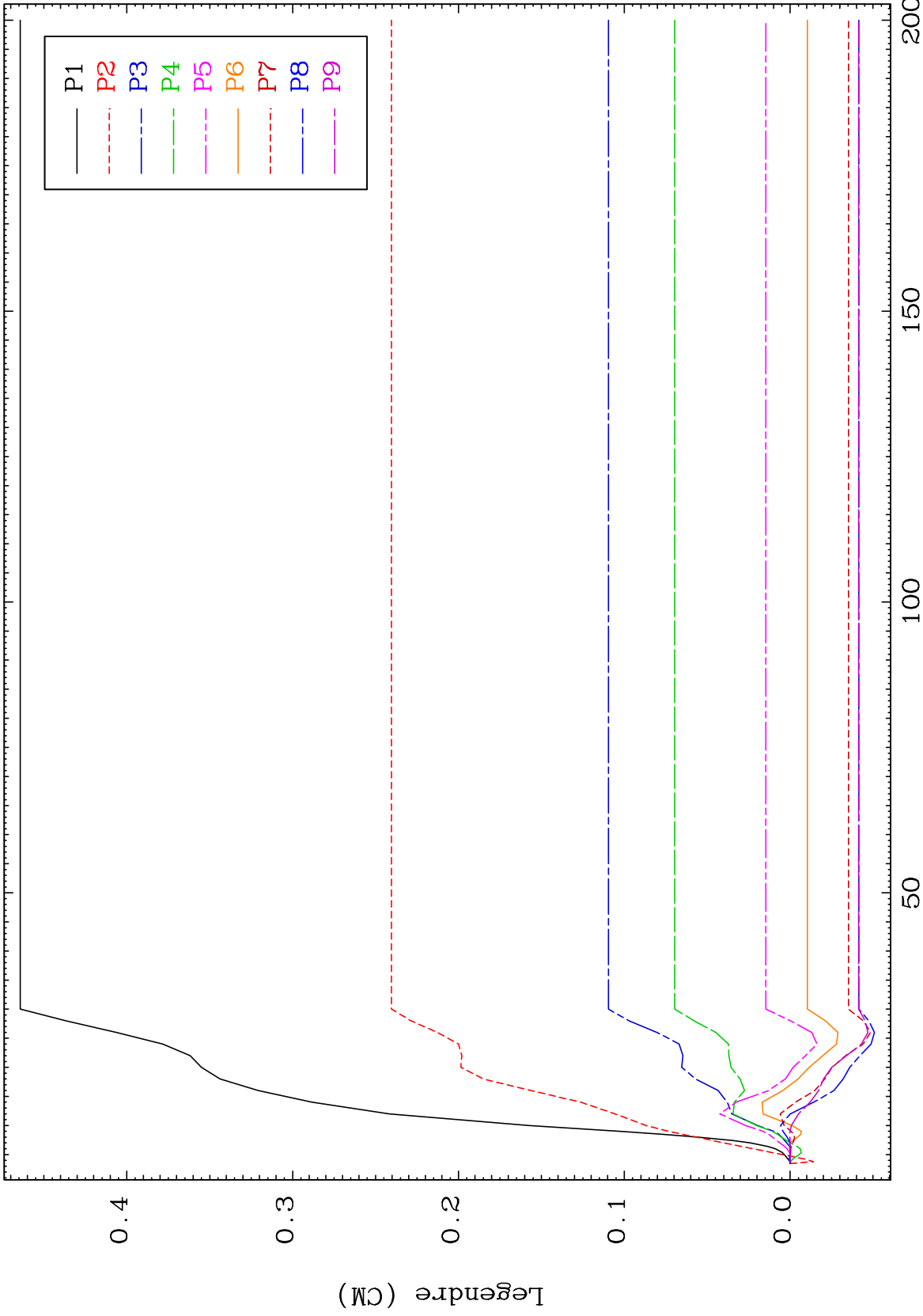
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



74

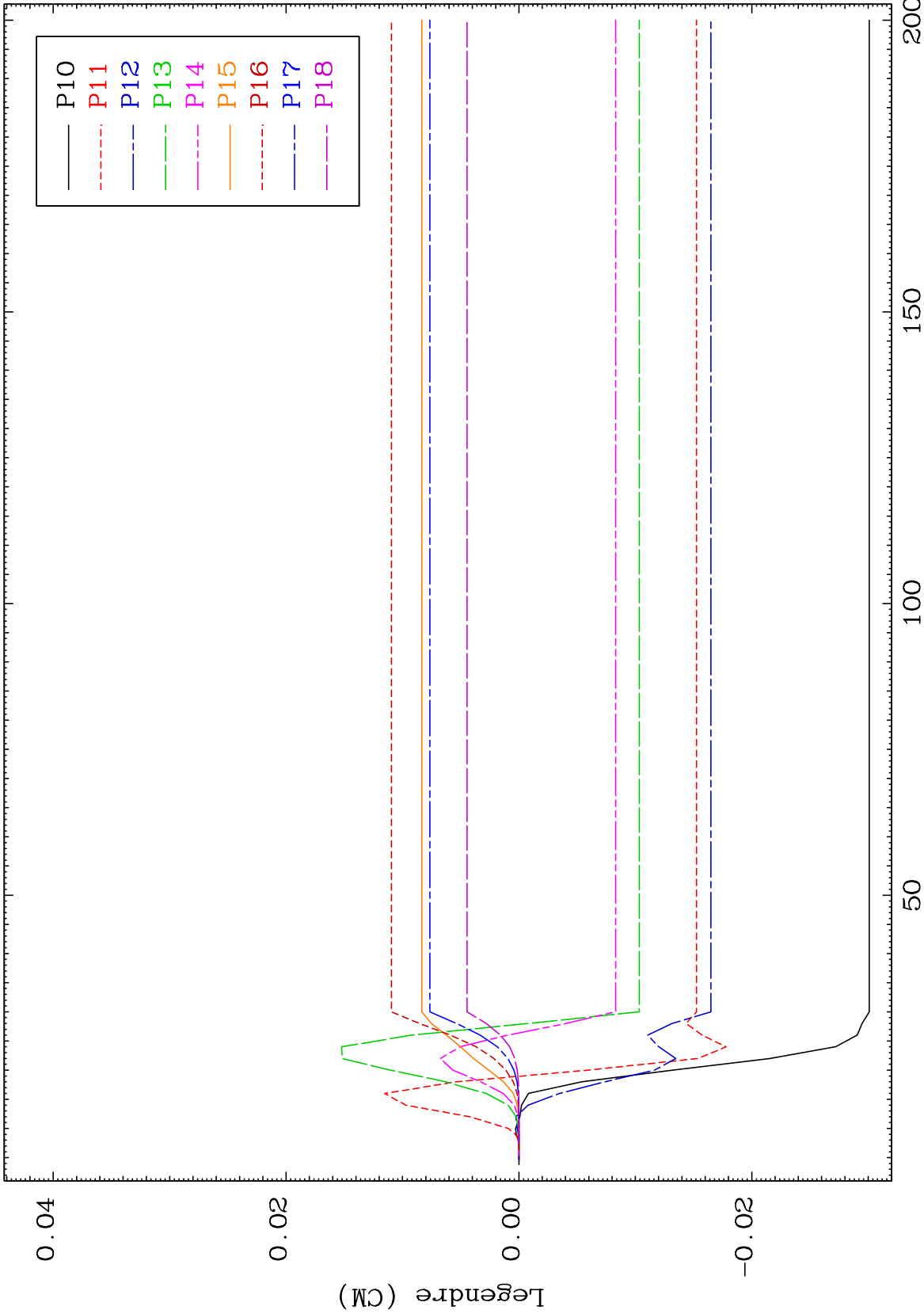
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



75

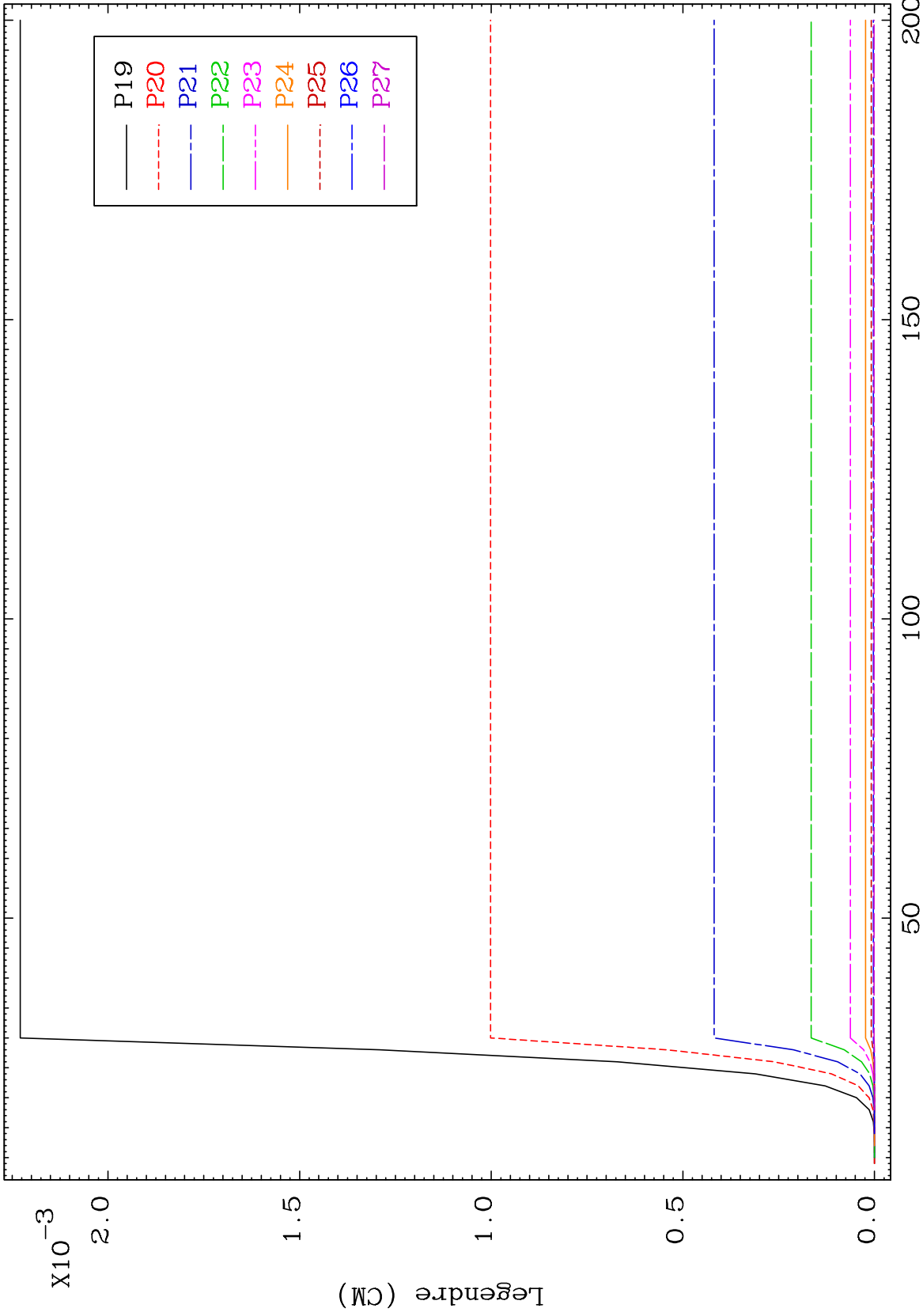
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



76

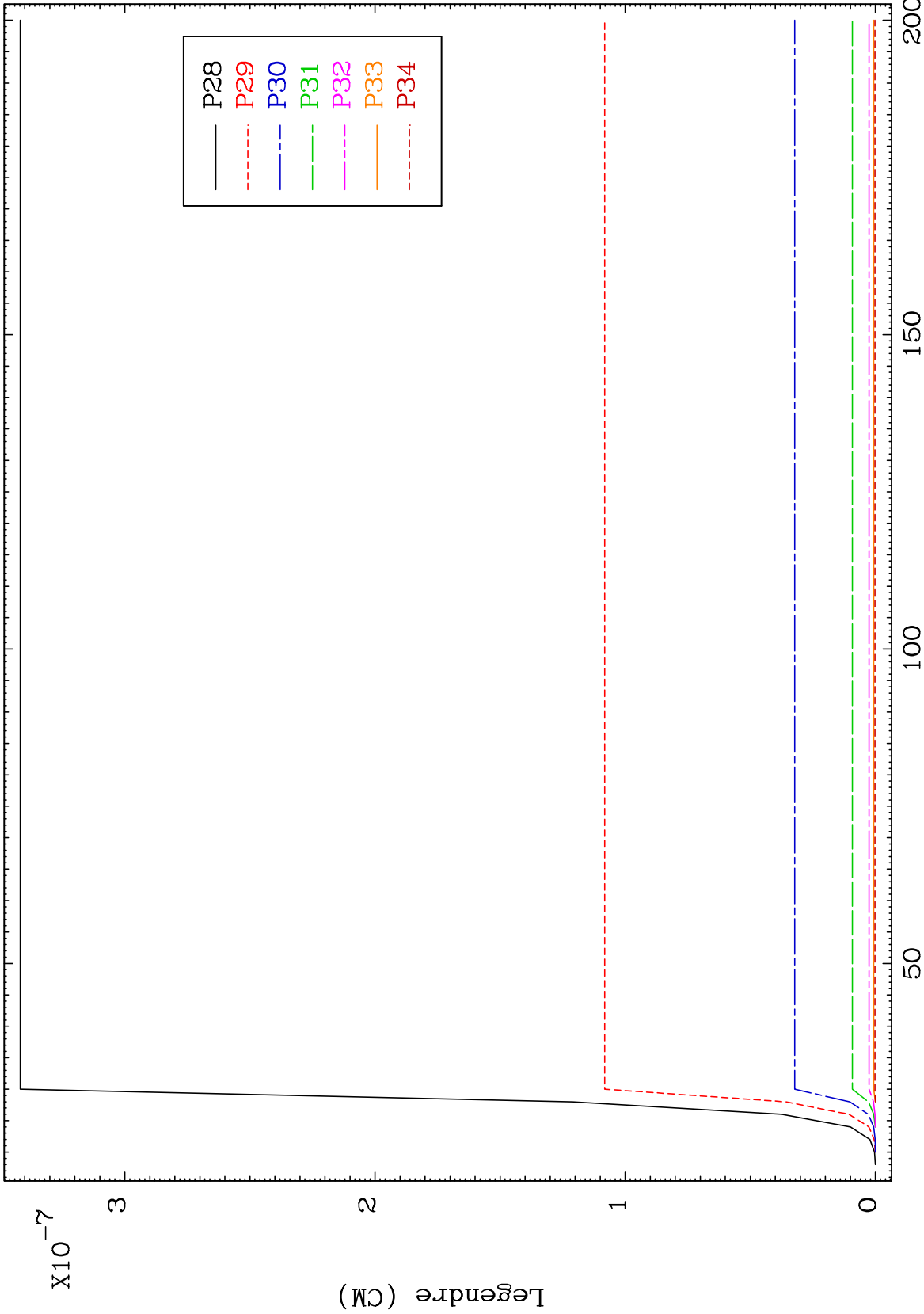
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



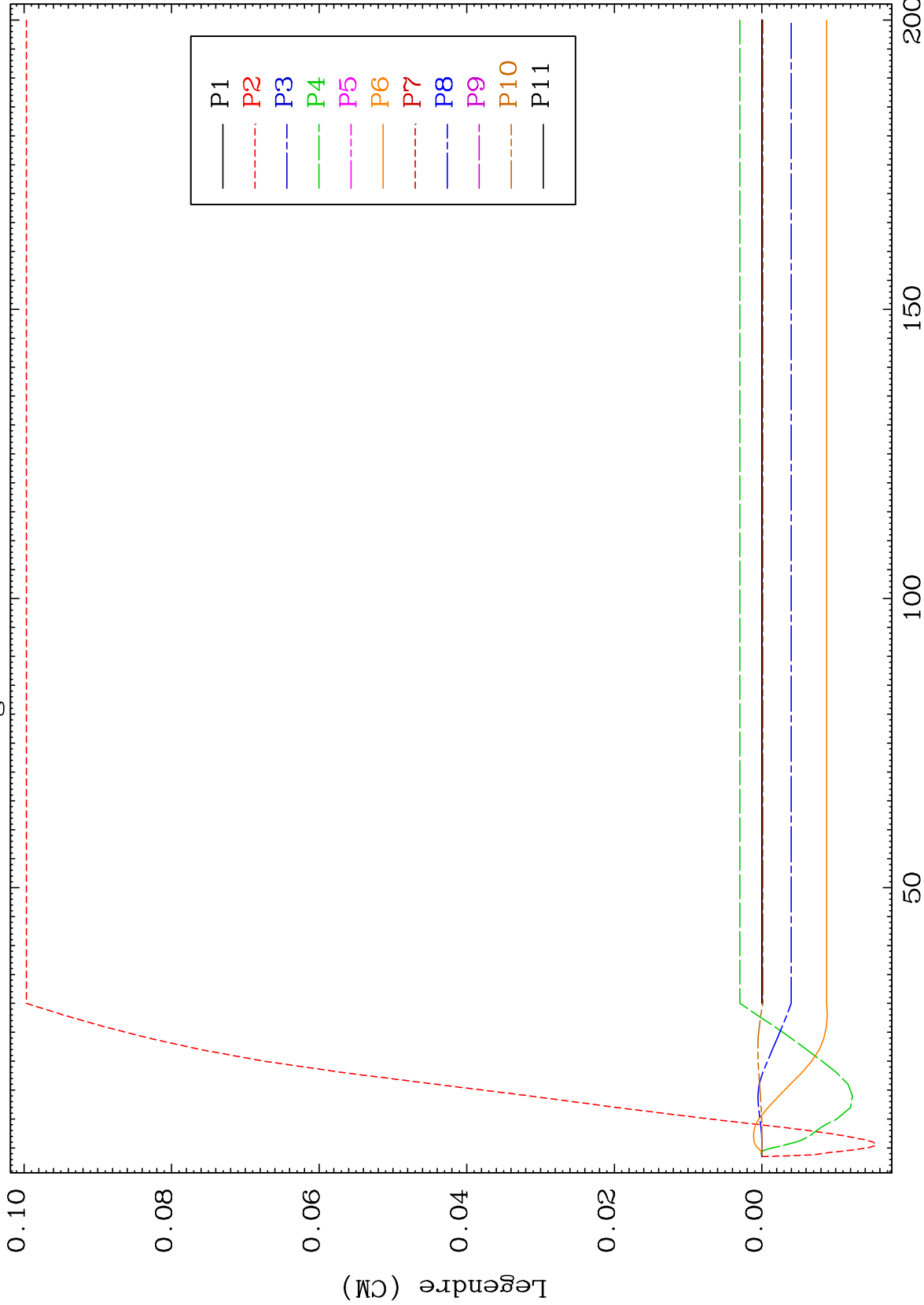
77

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 69 (n,n') Level Legendre Coefficients

39-Y -89



39-Y -89

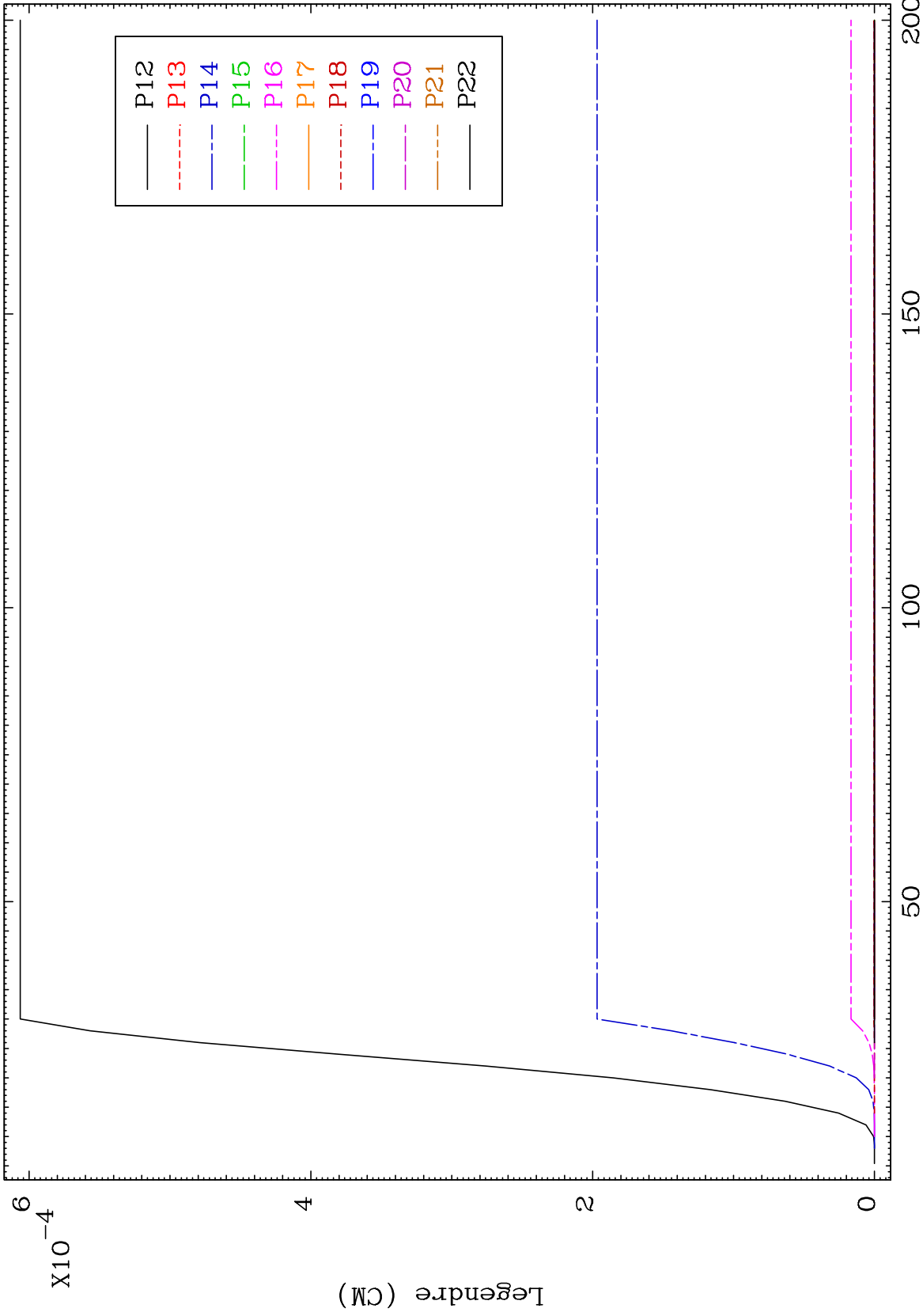
Incident Energy (MeV)

78

MAT 3925

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

39-Y -89



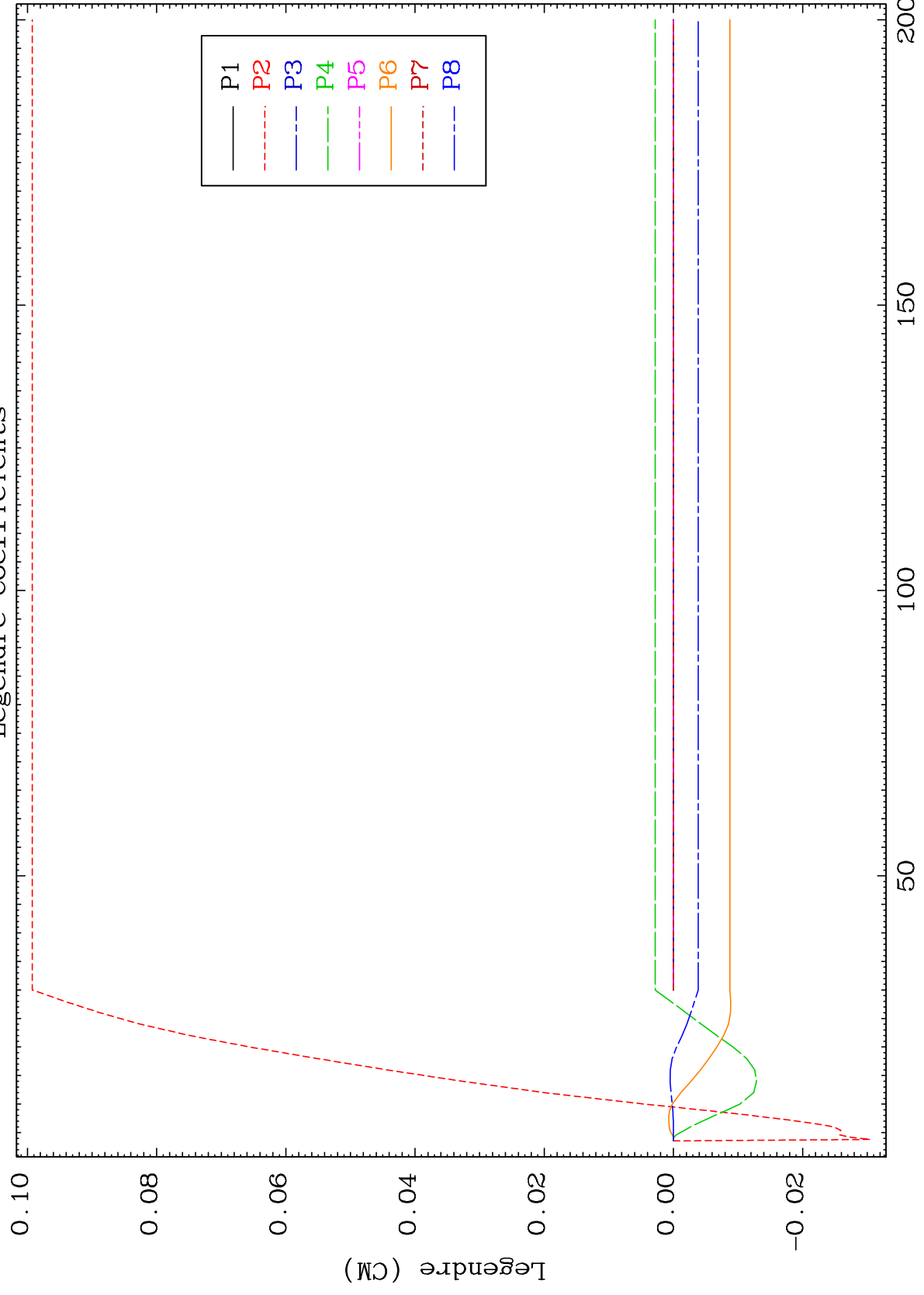
79

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 70 (n,n') Level Legendre Coefficients

39-Y -89

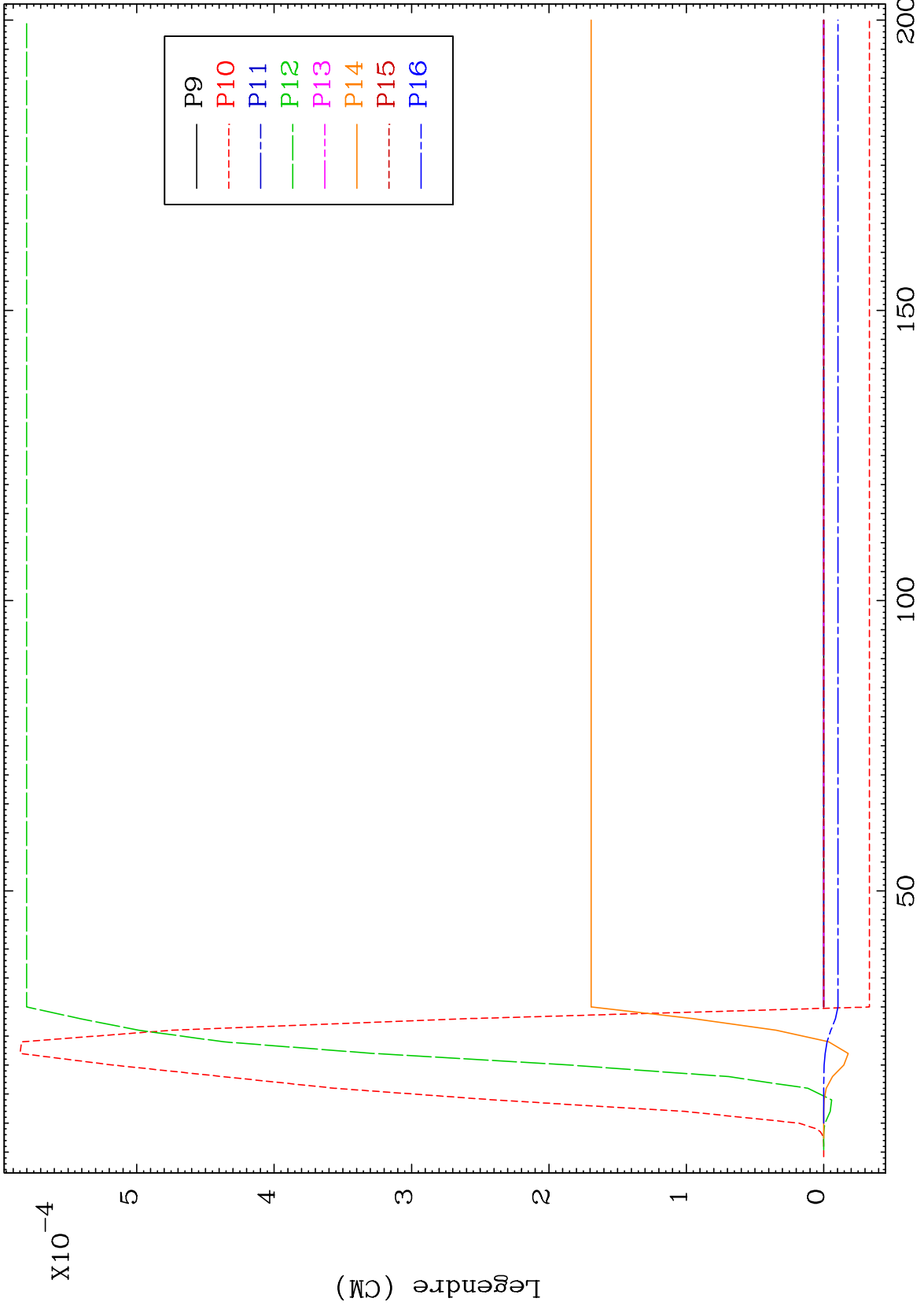


39-Y -89

Incident Energy (MeV)

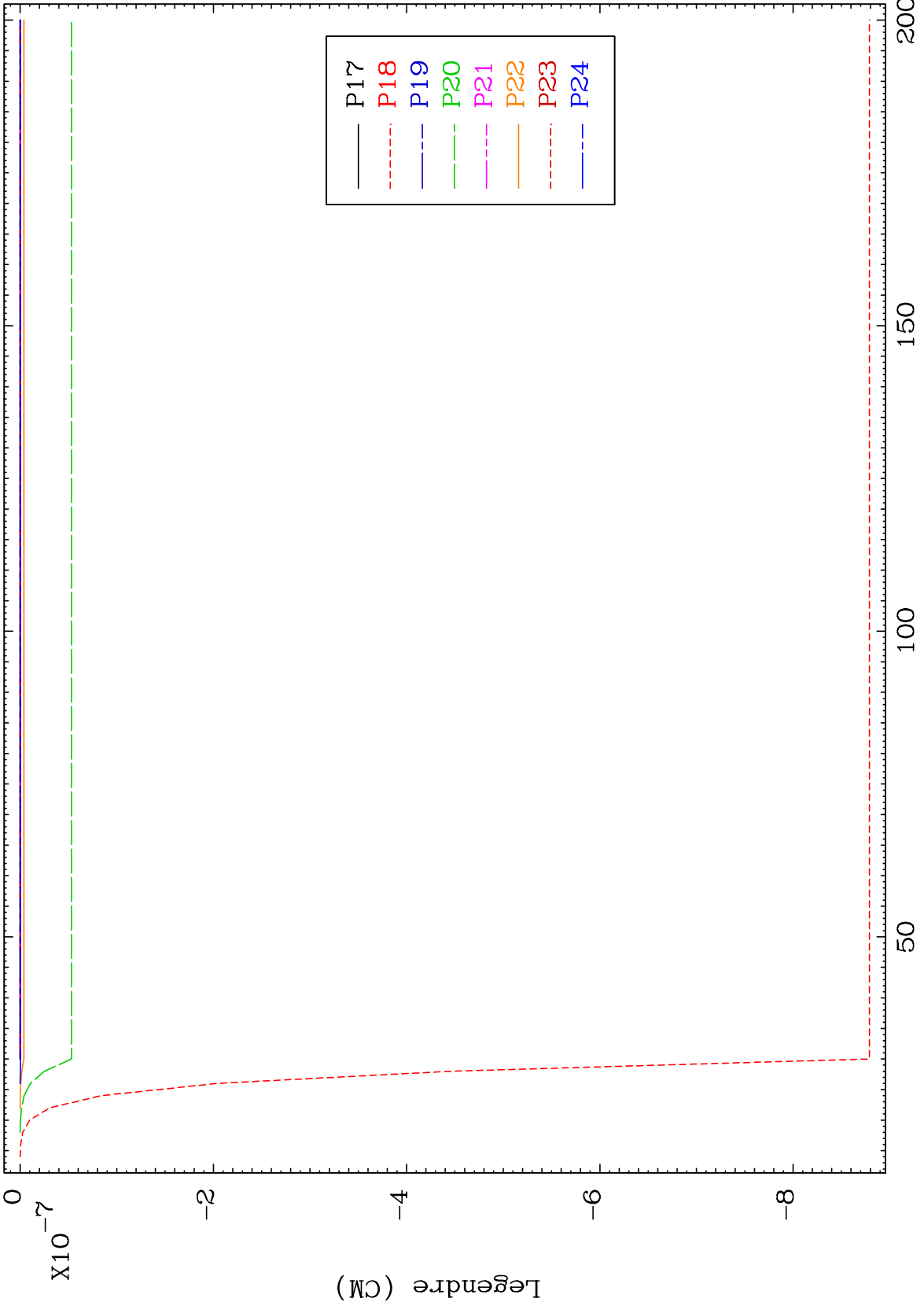
80

MAT 3925 MT= 70 (n,n') Level Legendre Coefficients 39-Y -89



81 39-Y -89

MAT 3925 MT= 70 (n,n') Level Legendre Coefficients 39-Y -89

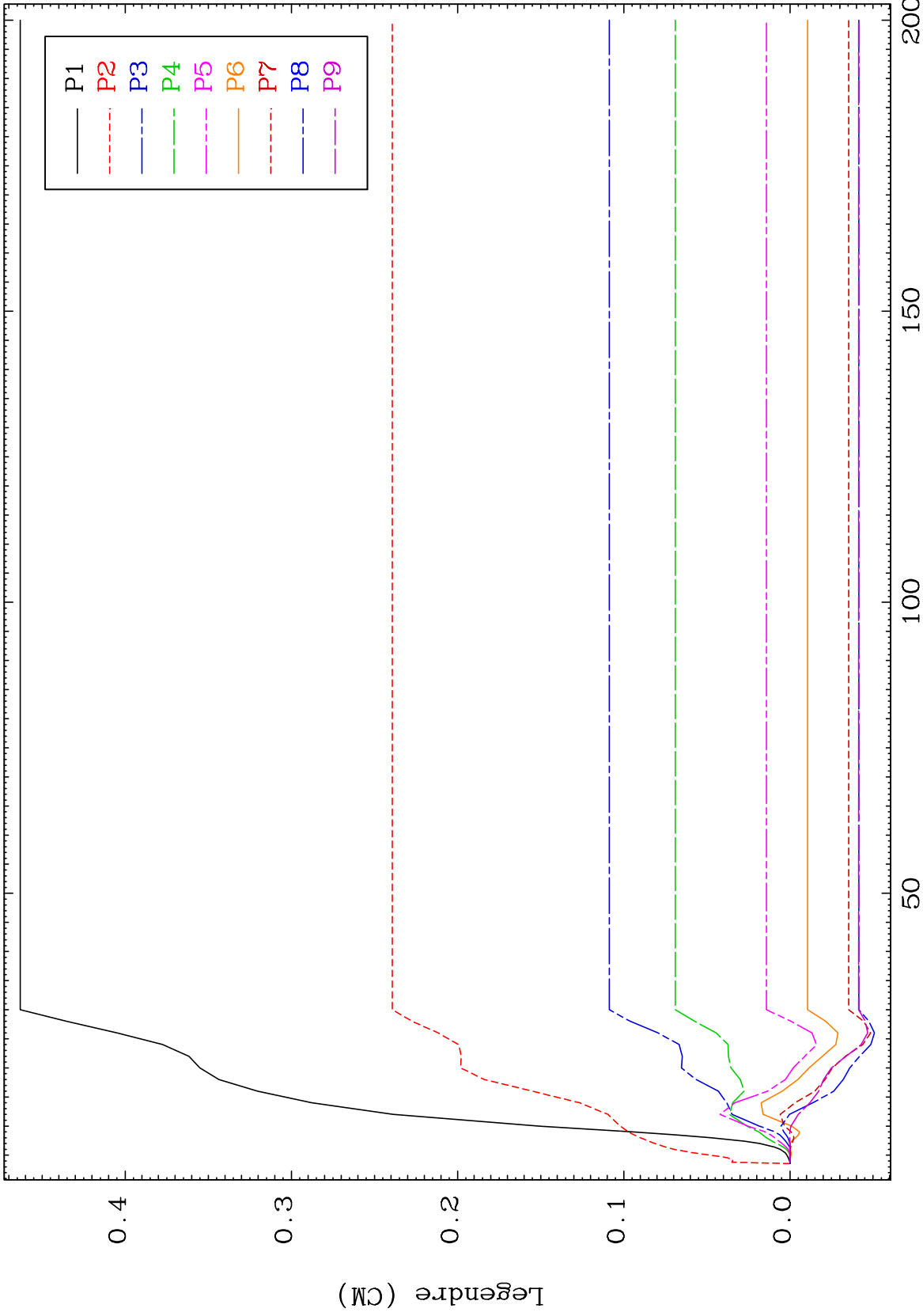


82 39-Y -89

MAT 3925

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

39-Y -89



83

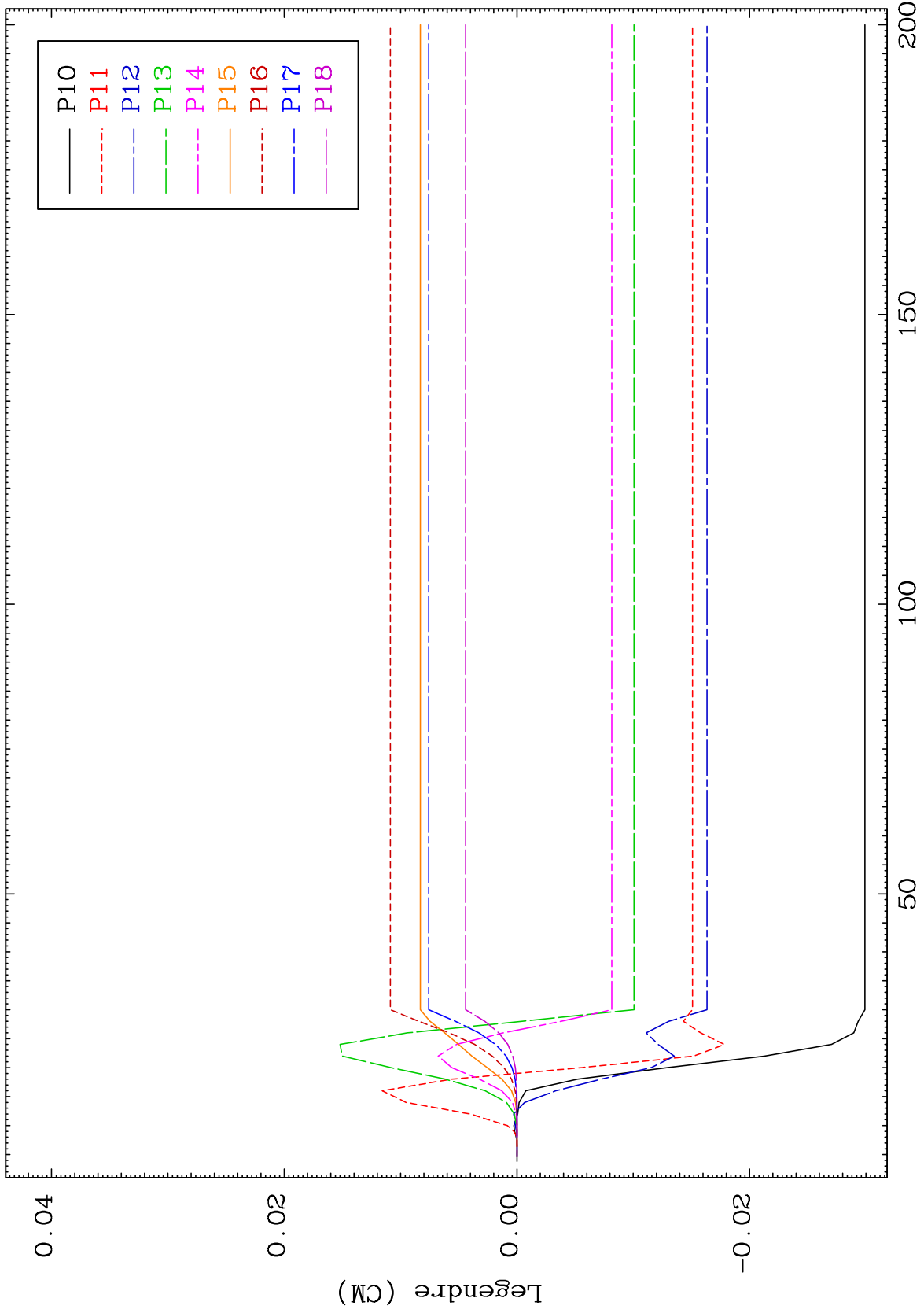
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



84

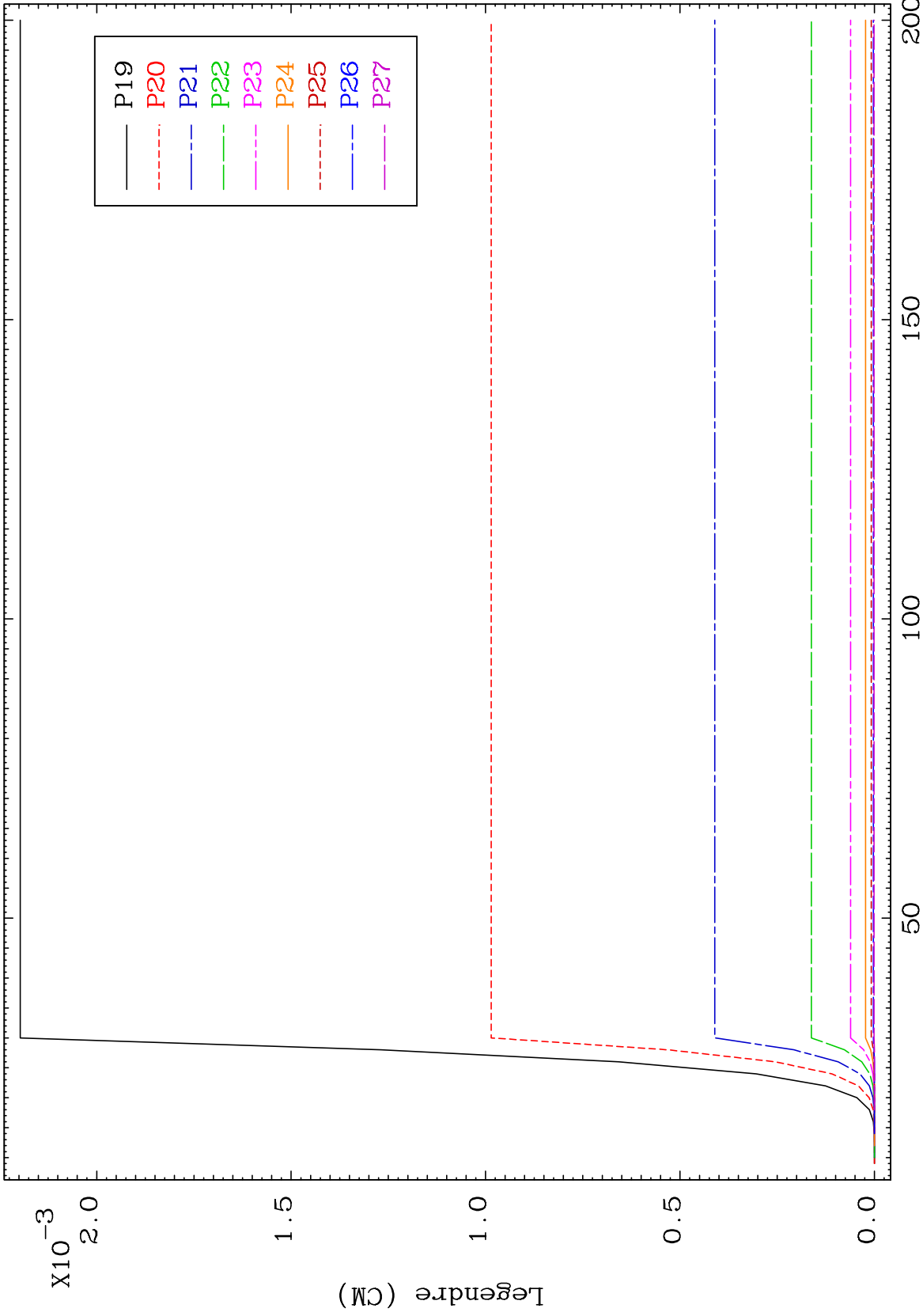
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



85

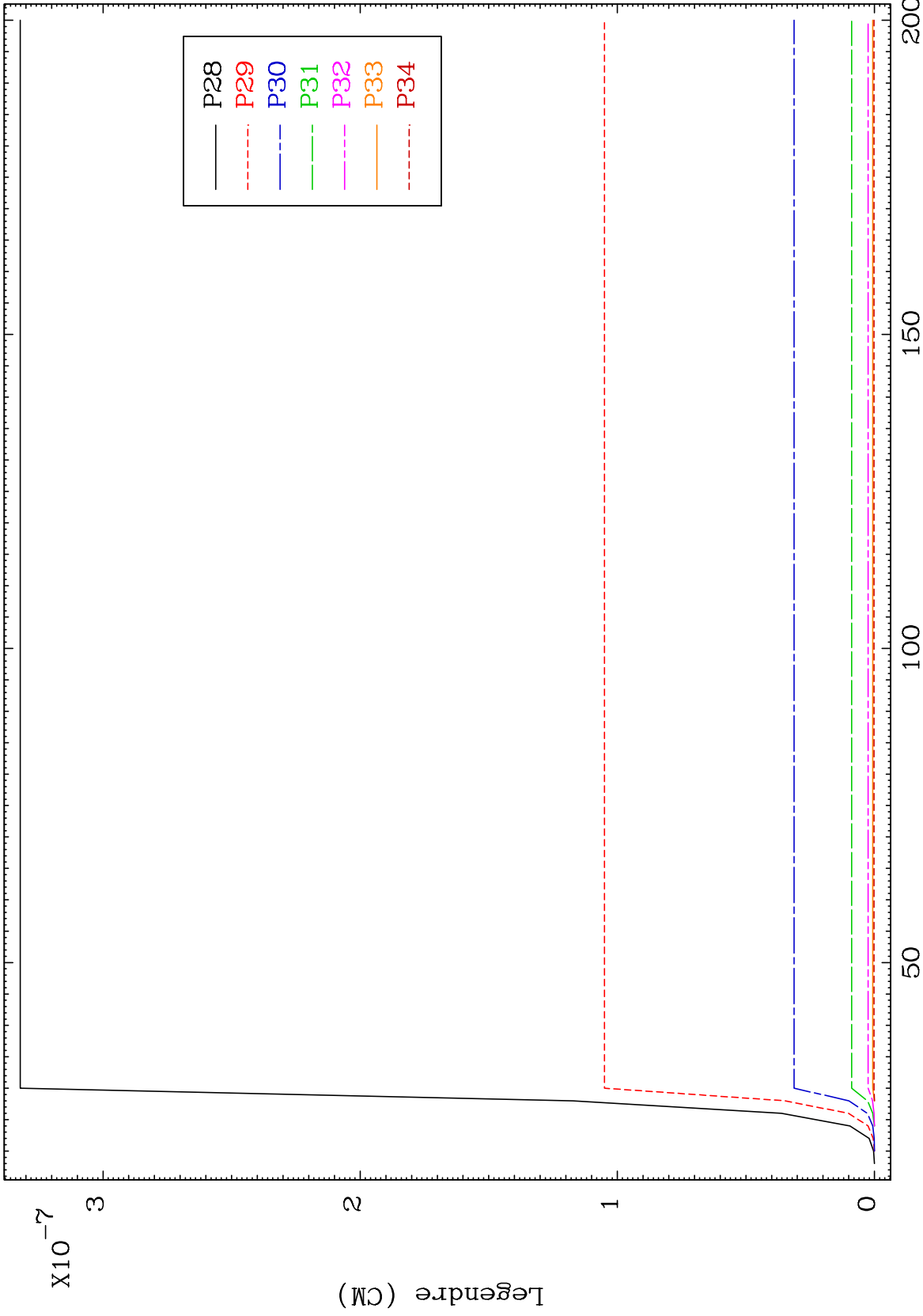
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



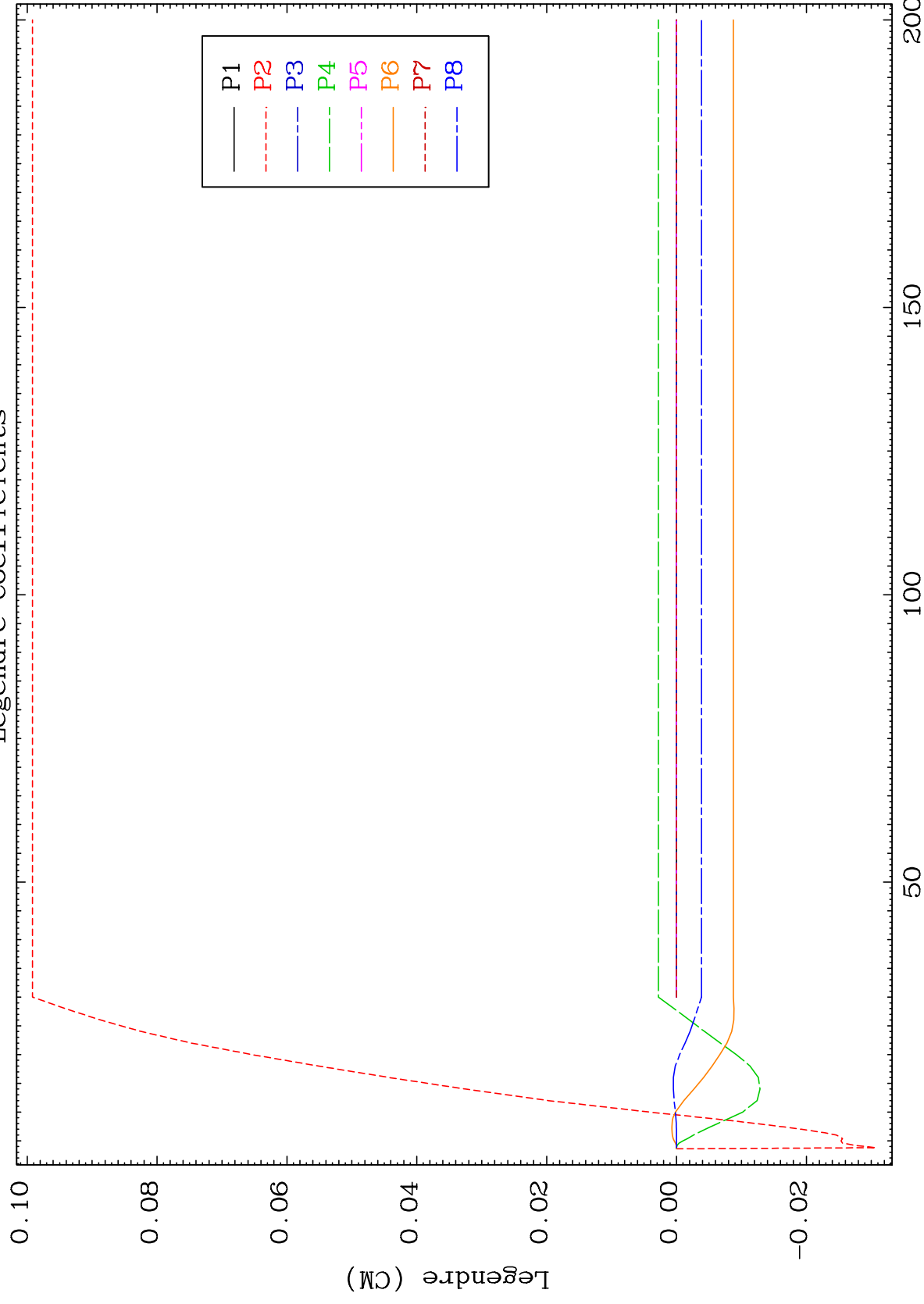
86

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 72 (n,n') Level Legendre Coefficients

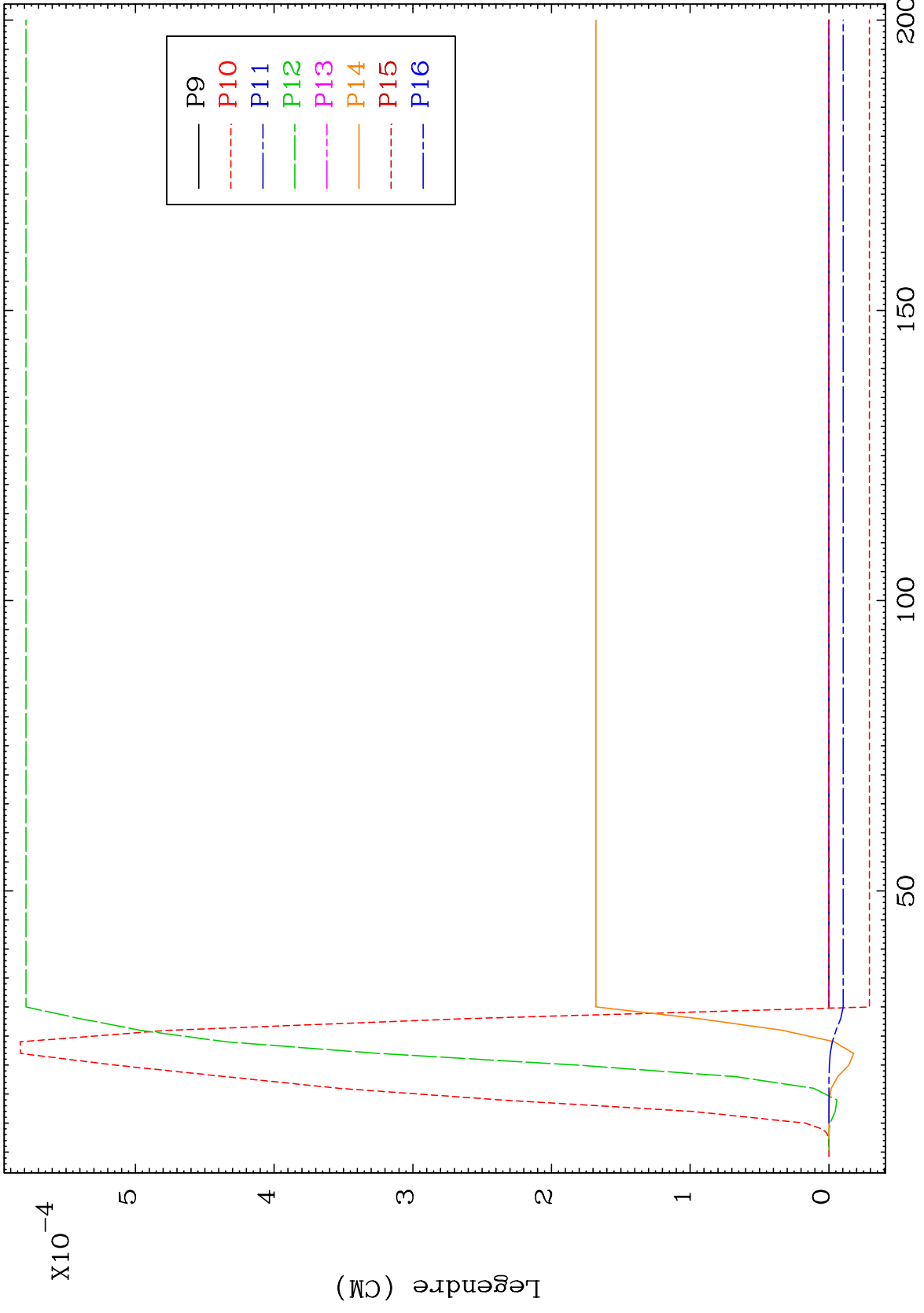
39-Y -89



39-Y -89

Incident Energy (MeV)

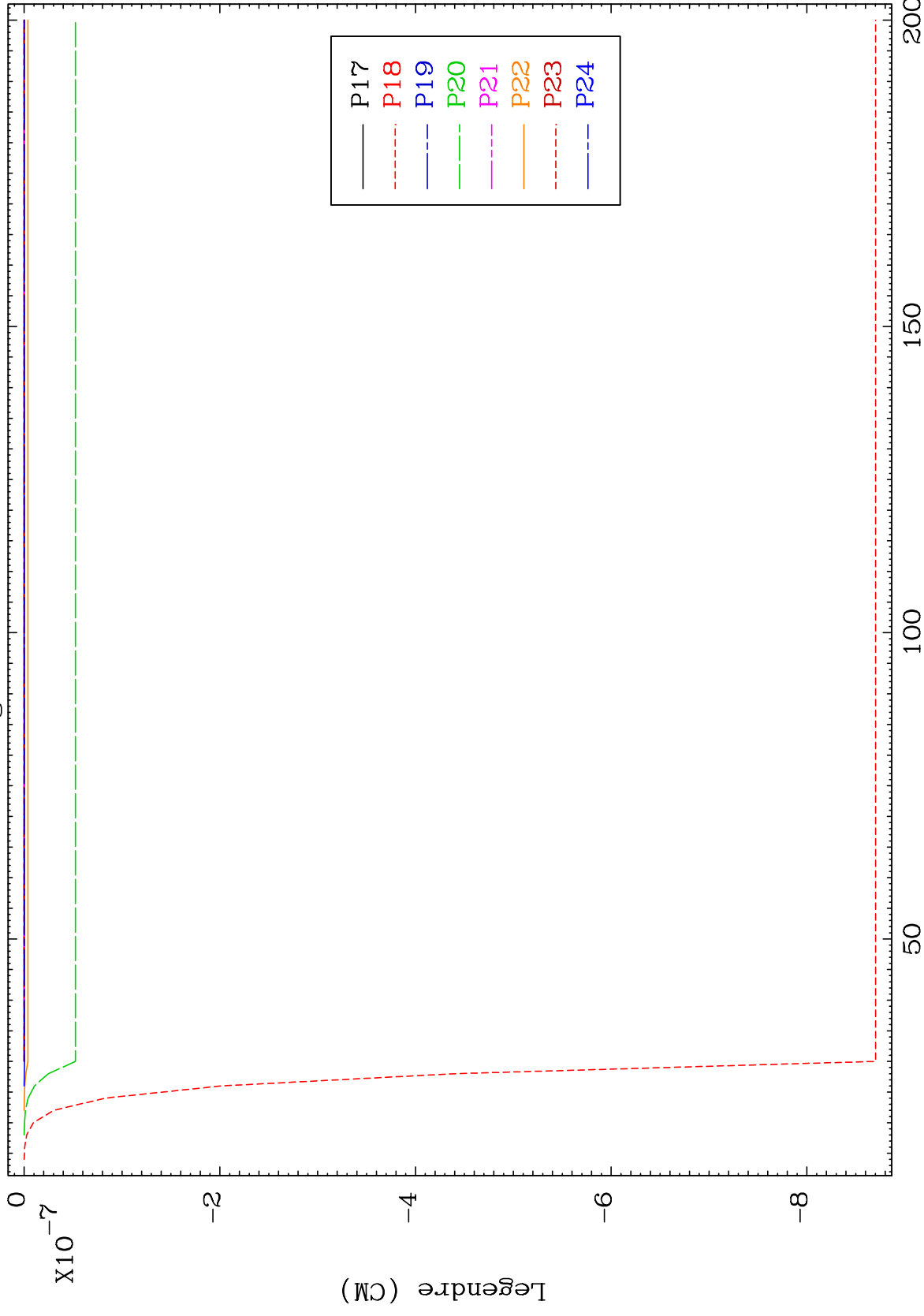
87



MAT 3925

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

39-Y -89

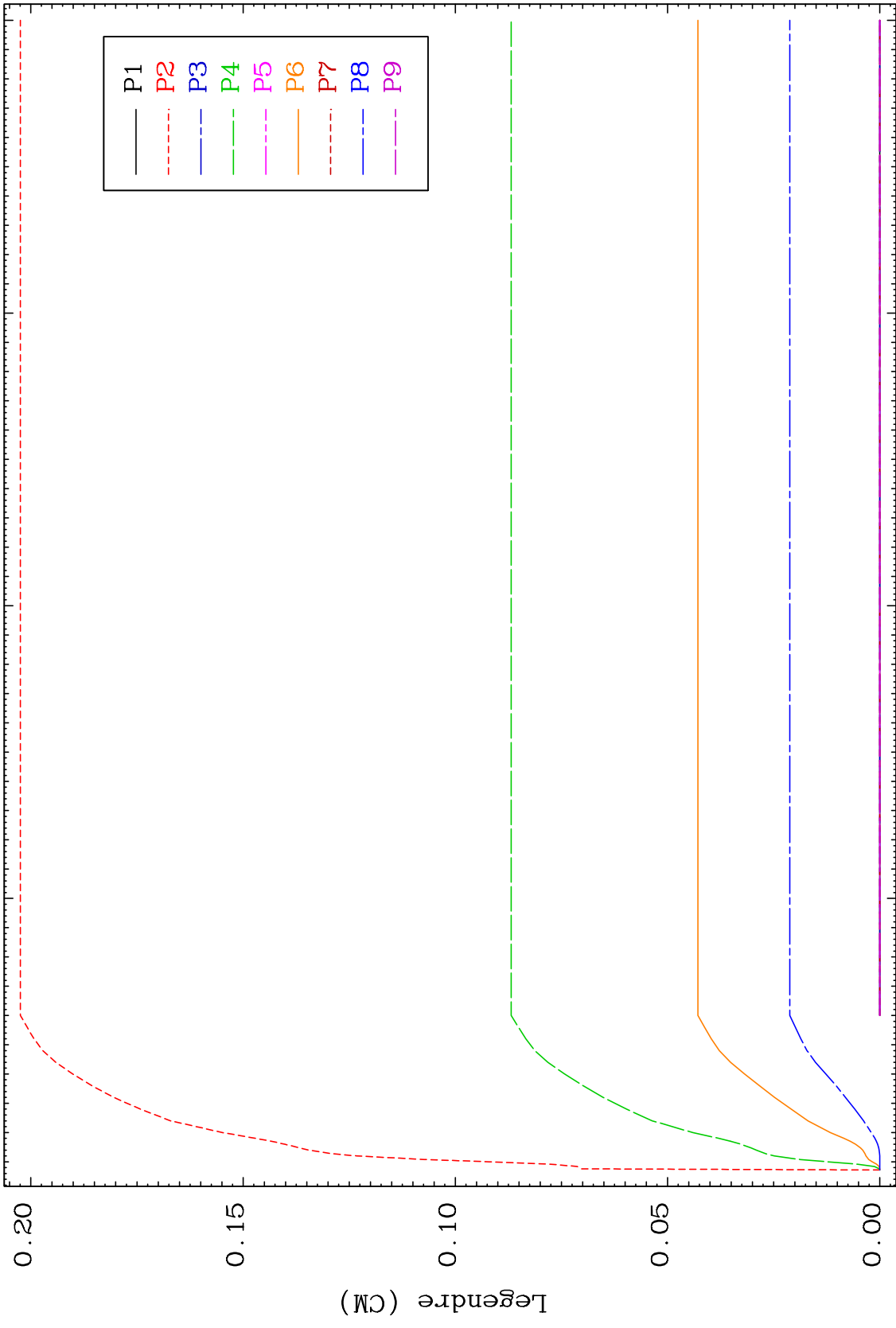


89

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 73 (n,n') Level Legendre Coefficients 39-Y -89

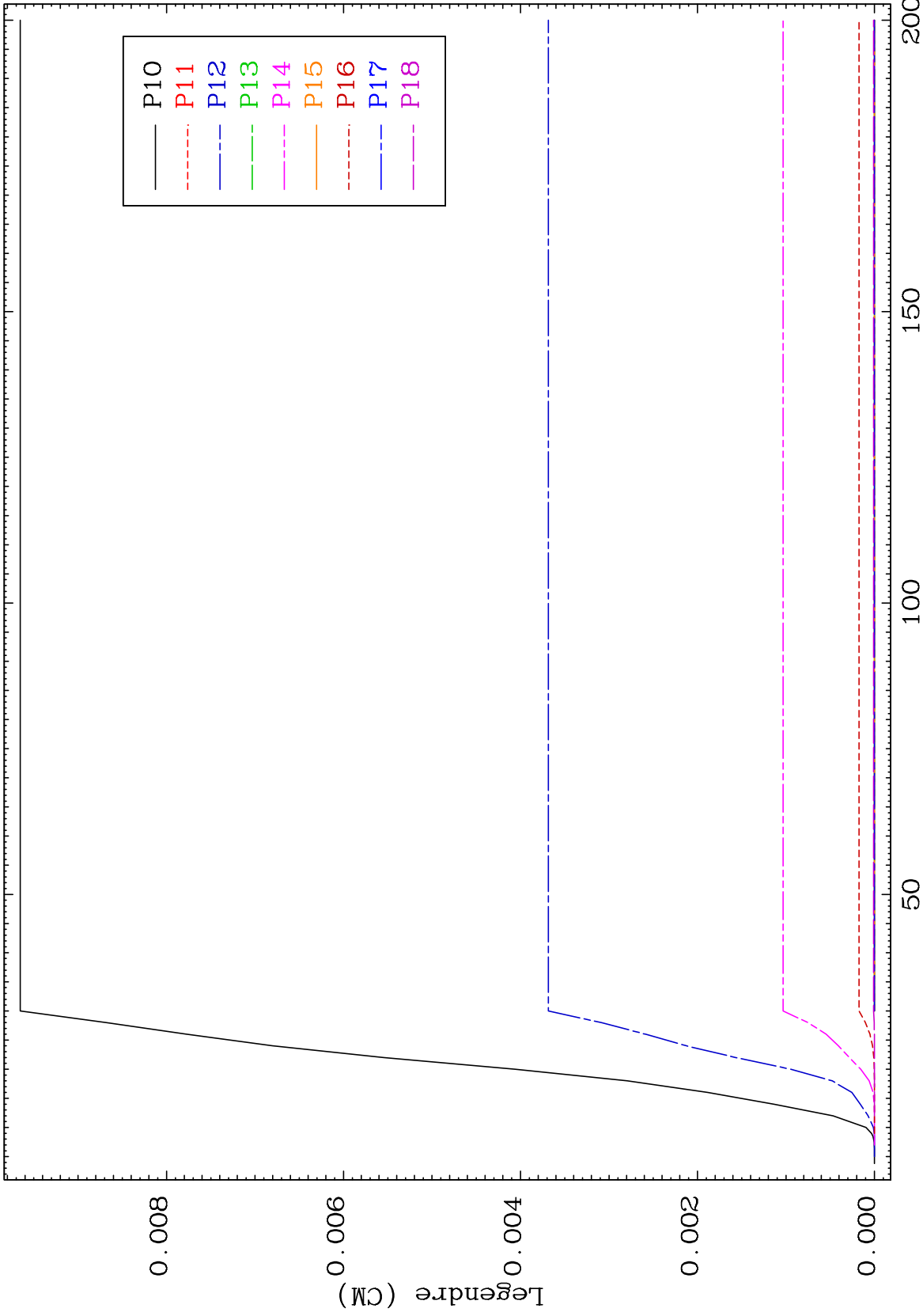


Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



91

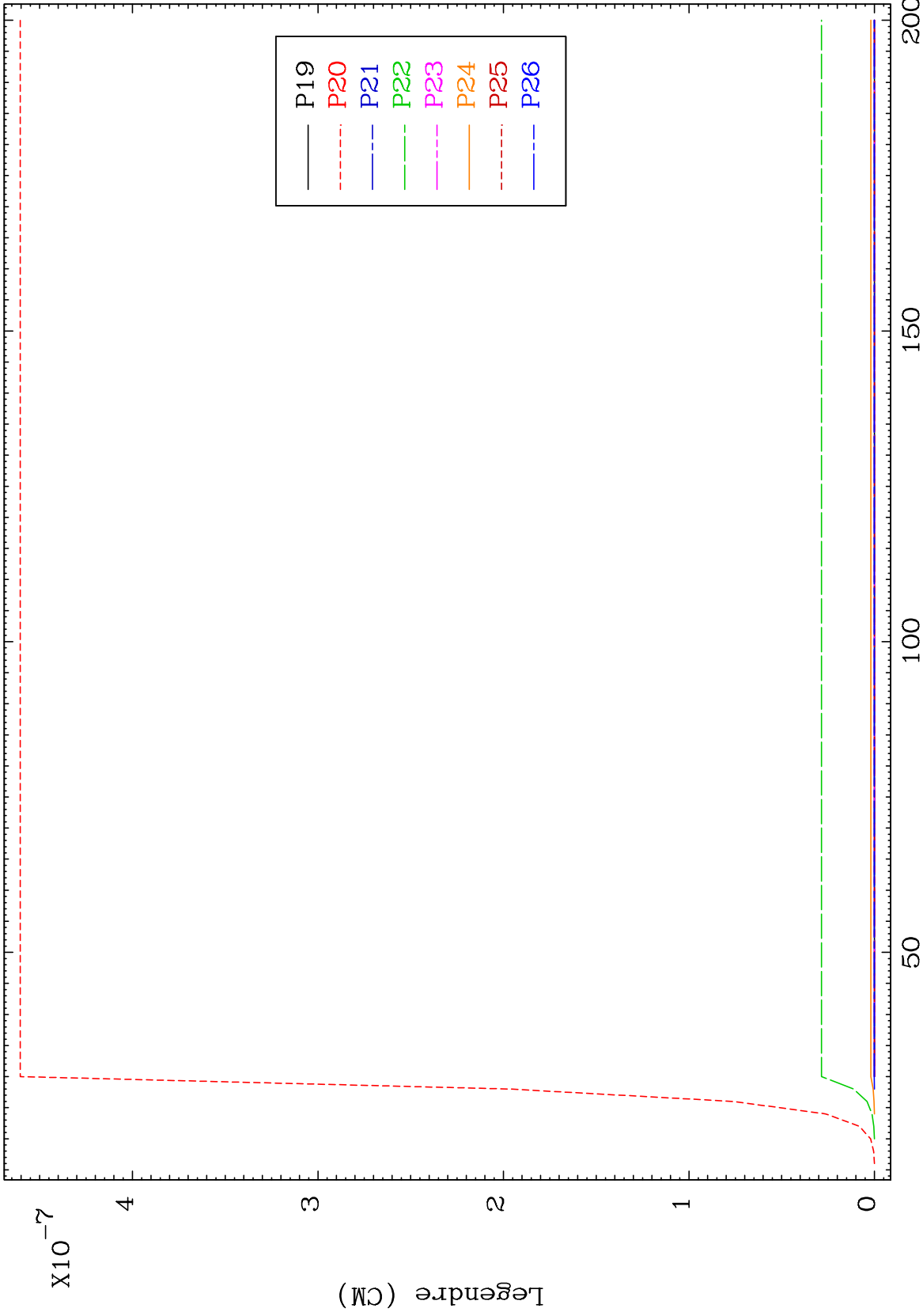
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



92

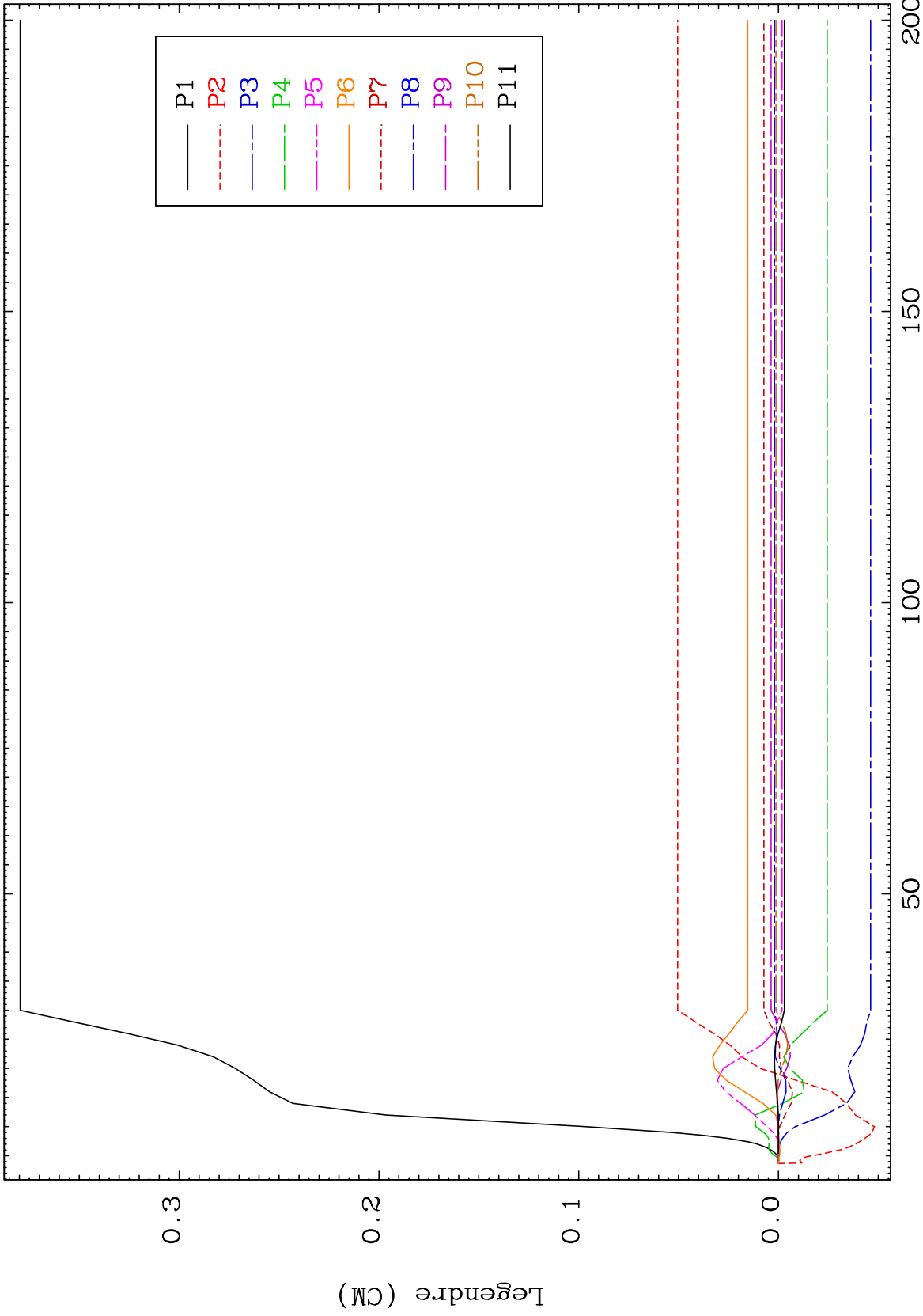
Incident Energy (MeV)

39-Y -89

MAT 3925

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

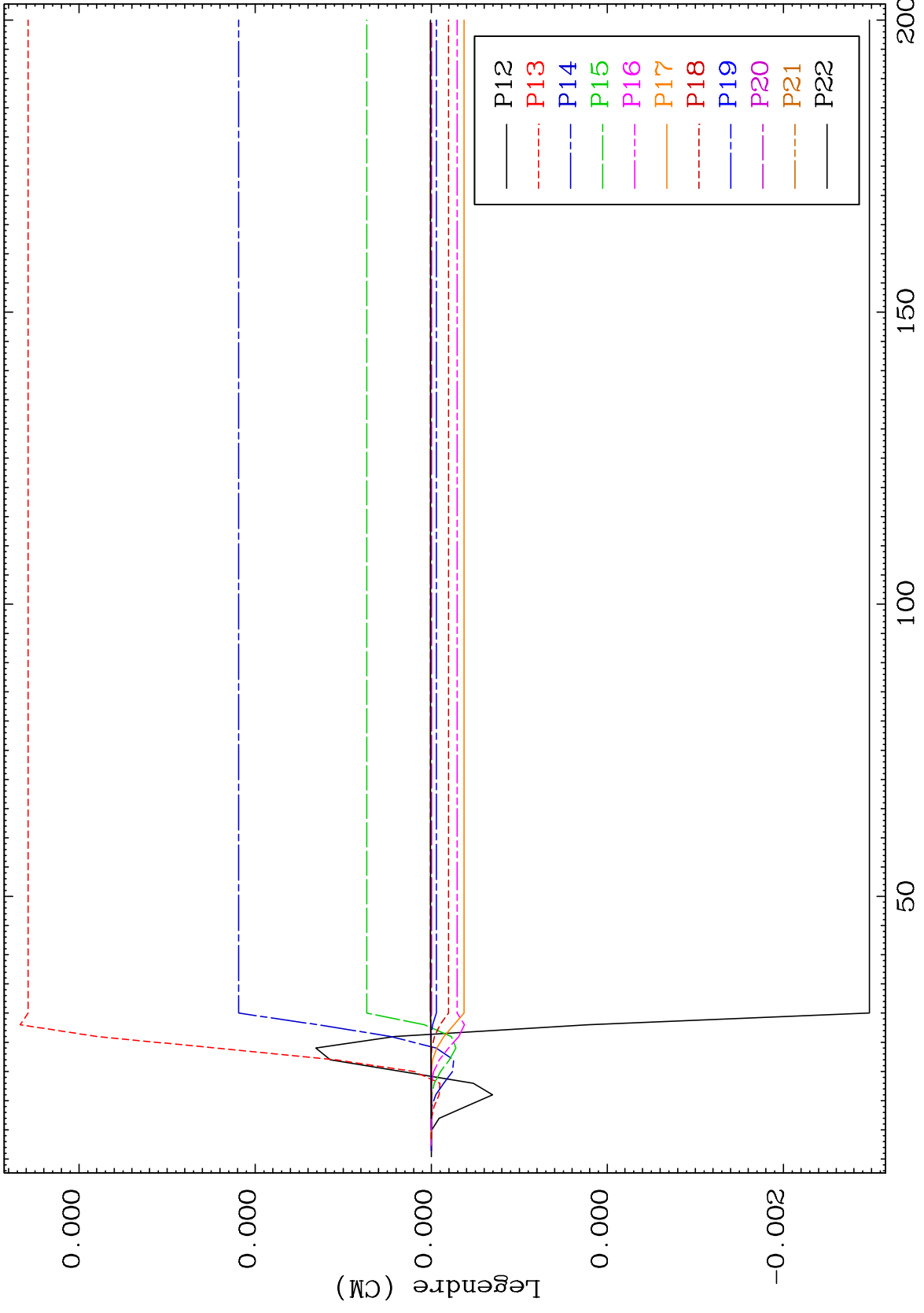
39-Y -89



93

Incident Energy (MeV)

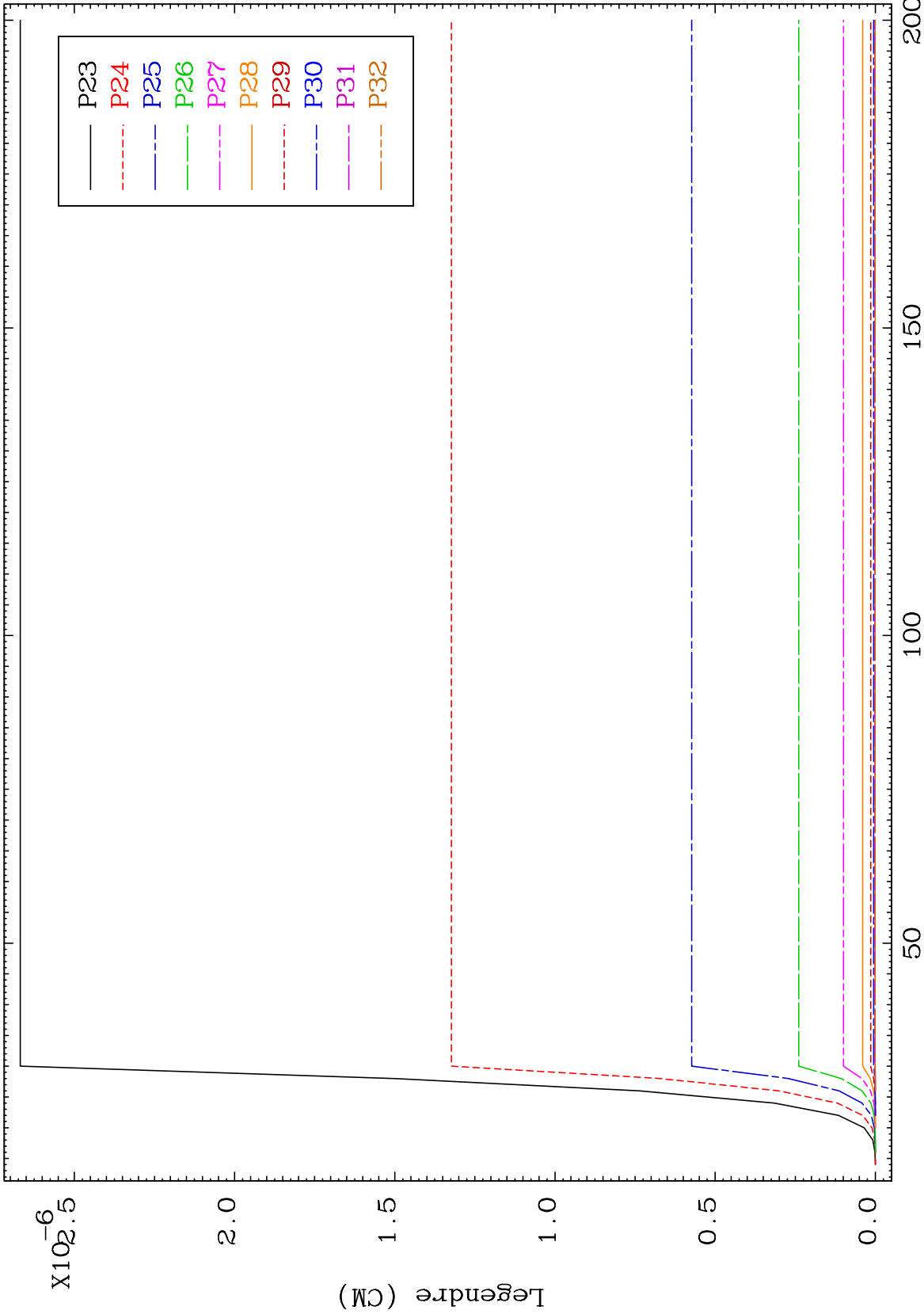
39-Y -89



MAT 3925

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

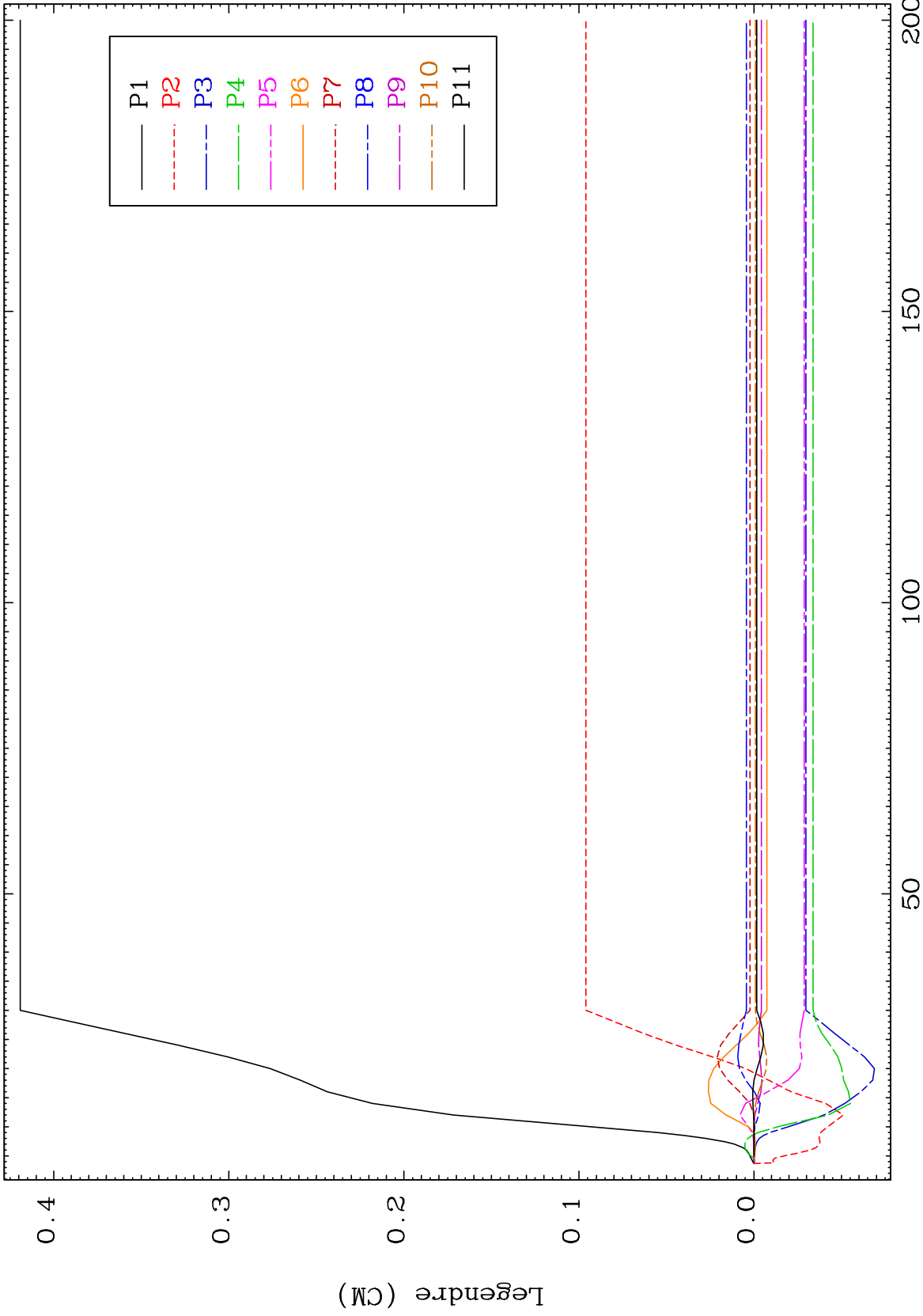
39-Y -89



95

Incident Energy (MeV)

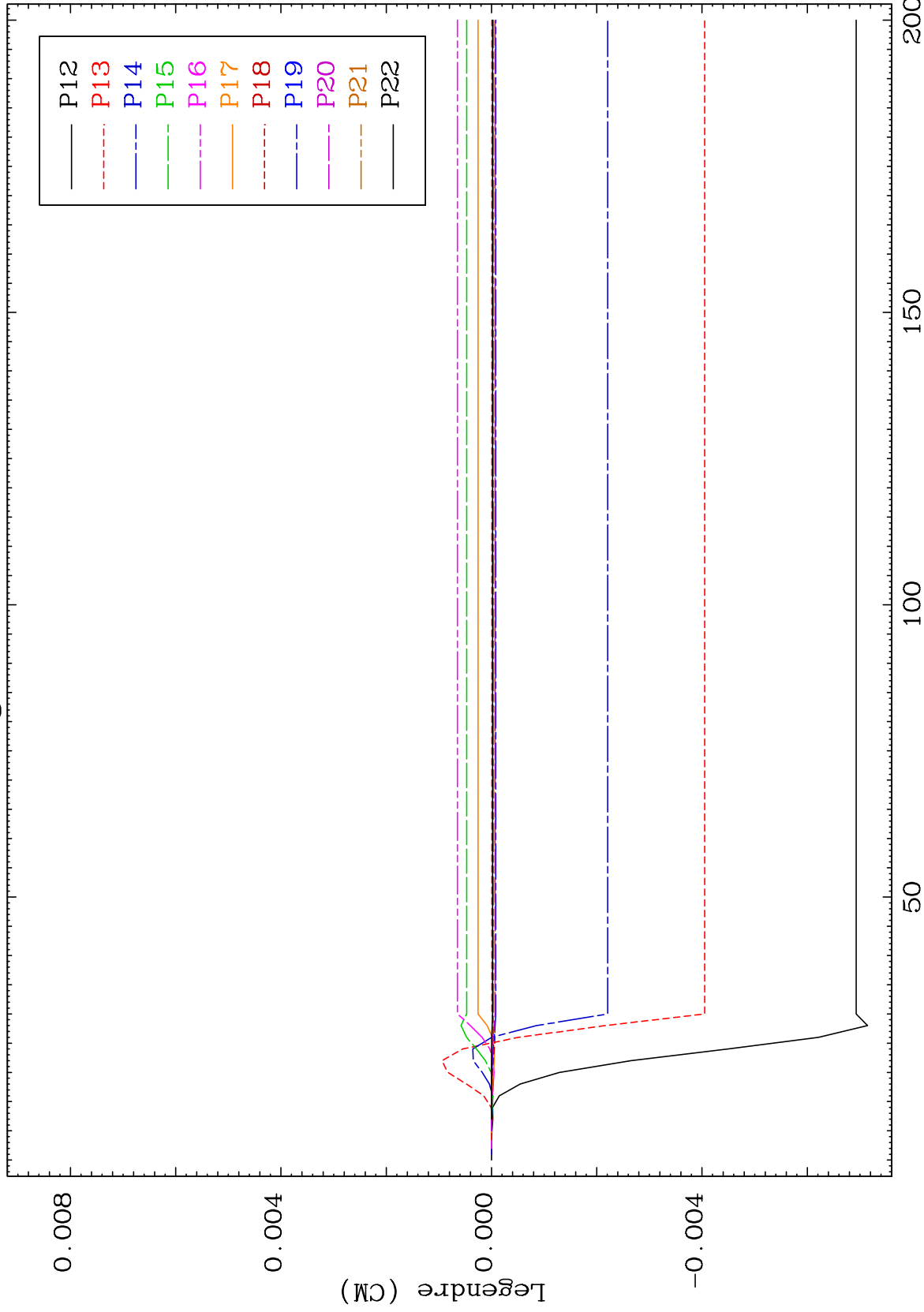
39-Y -89



MAT 3925

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

39-Y -89

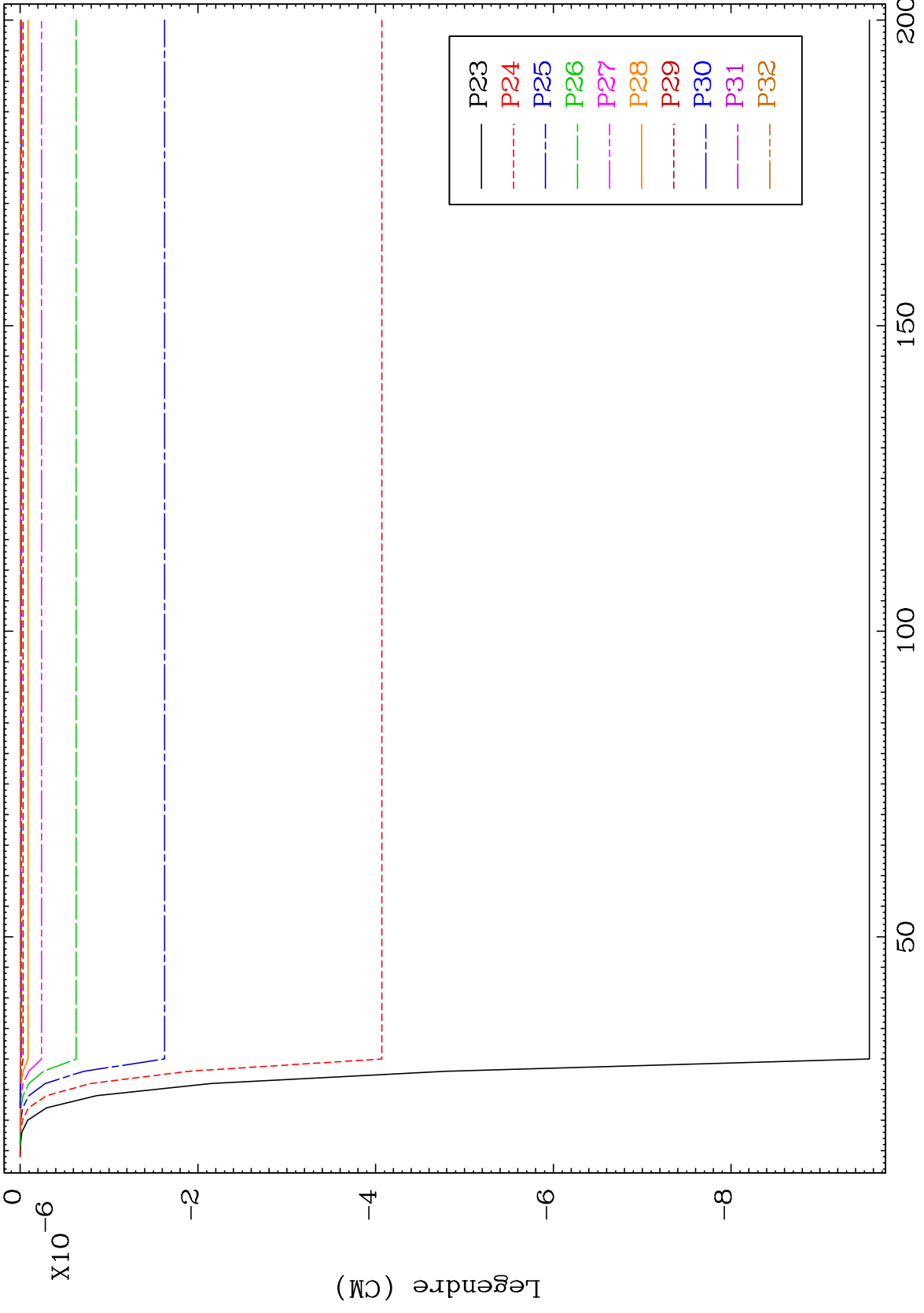


97

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 75 (n,n') Level Legendre Coefficients 39-Y -89

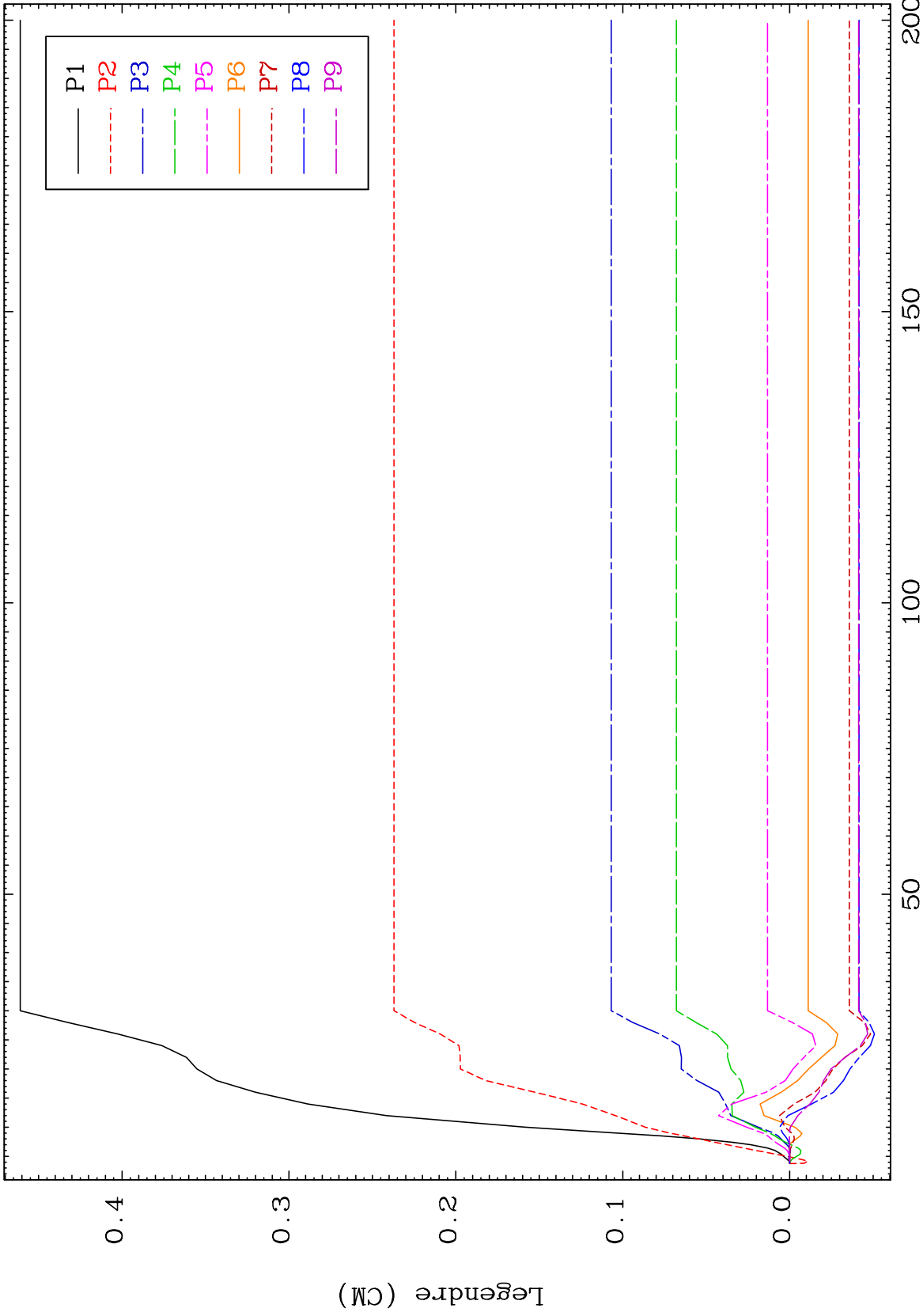


98 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



99

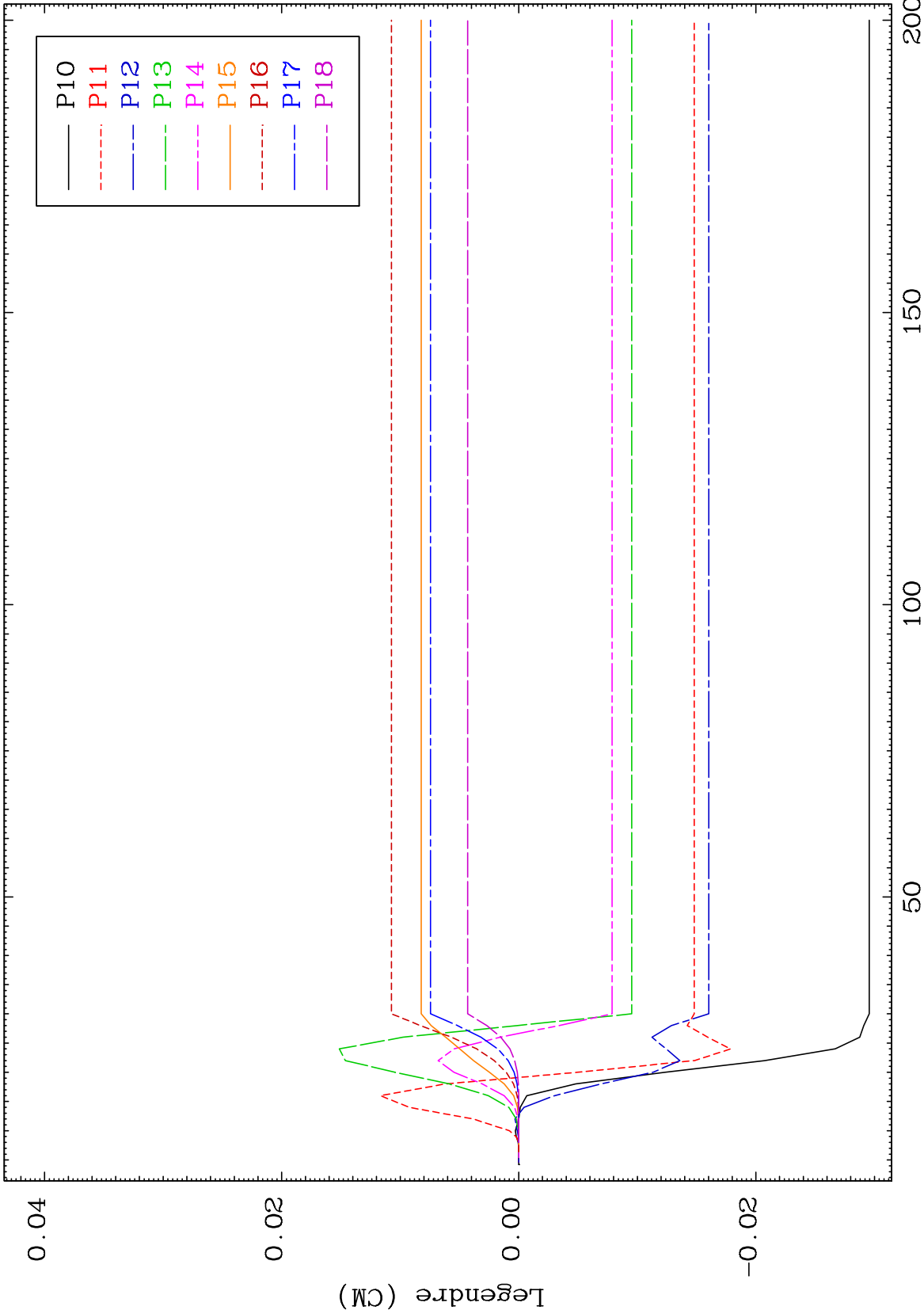
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



100

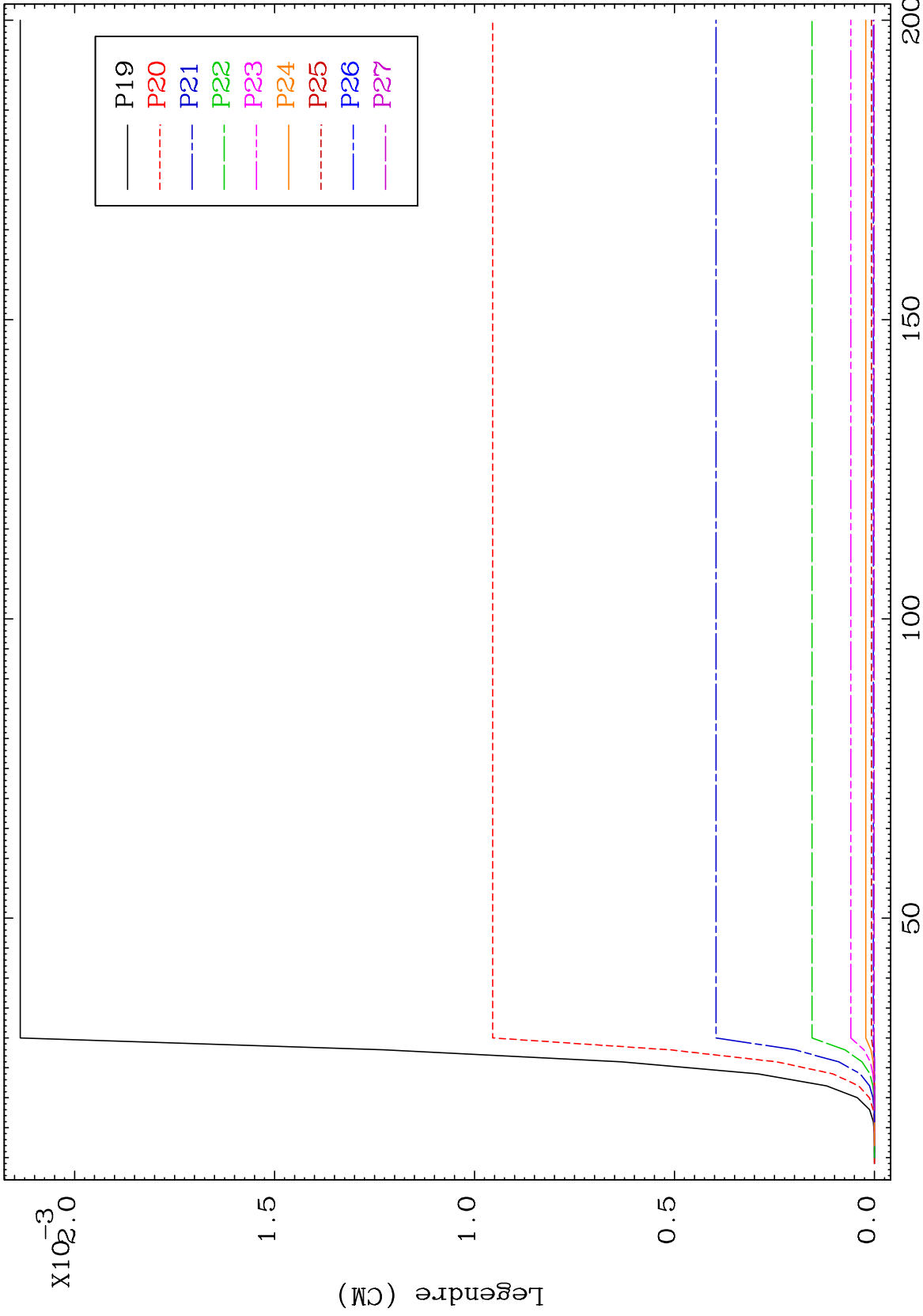
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



101

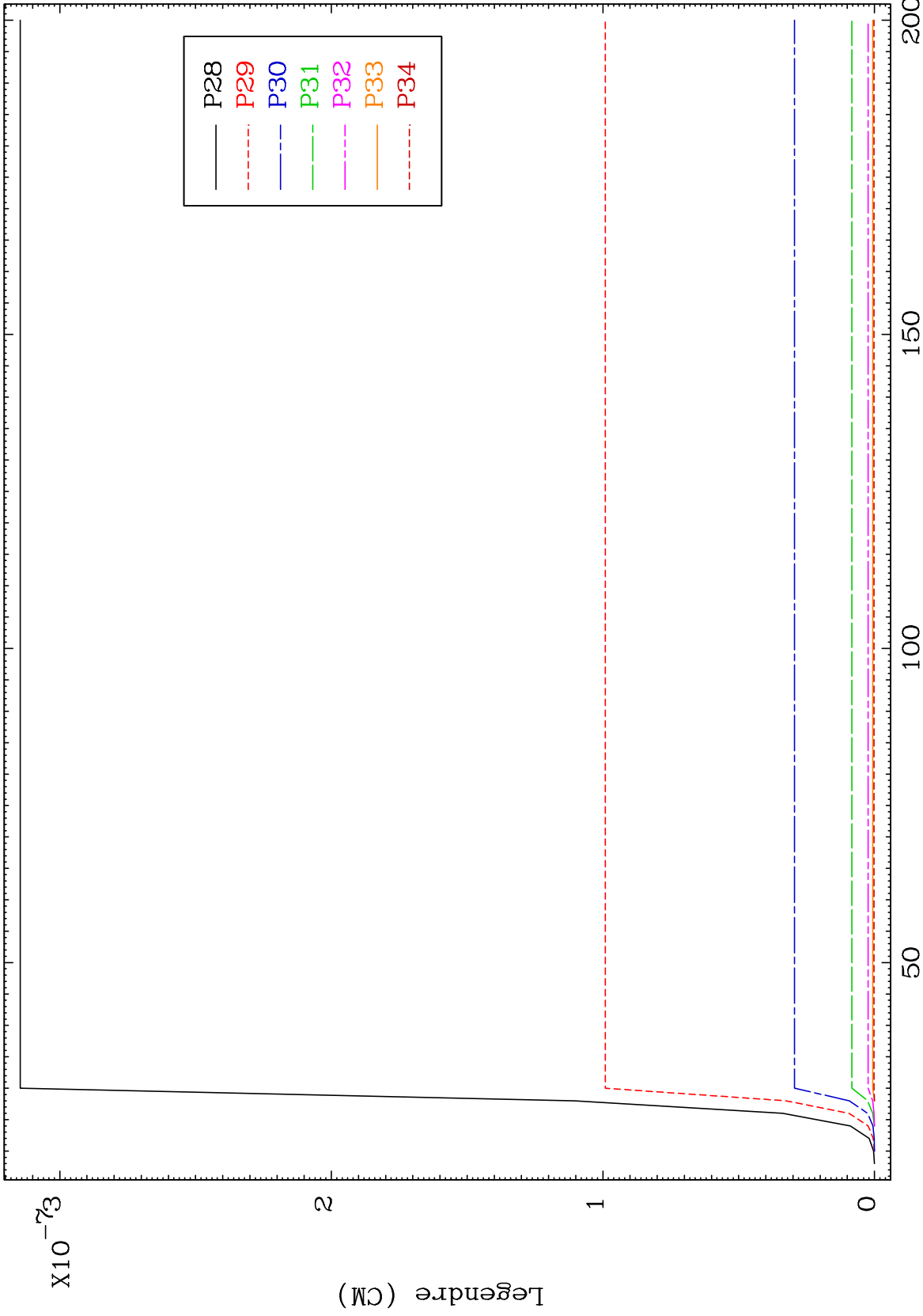
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



102

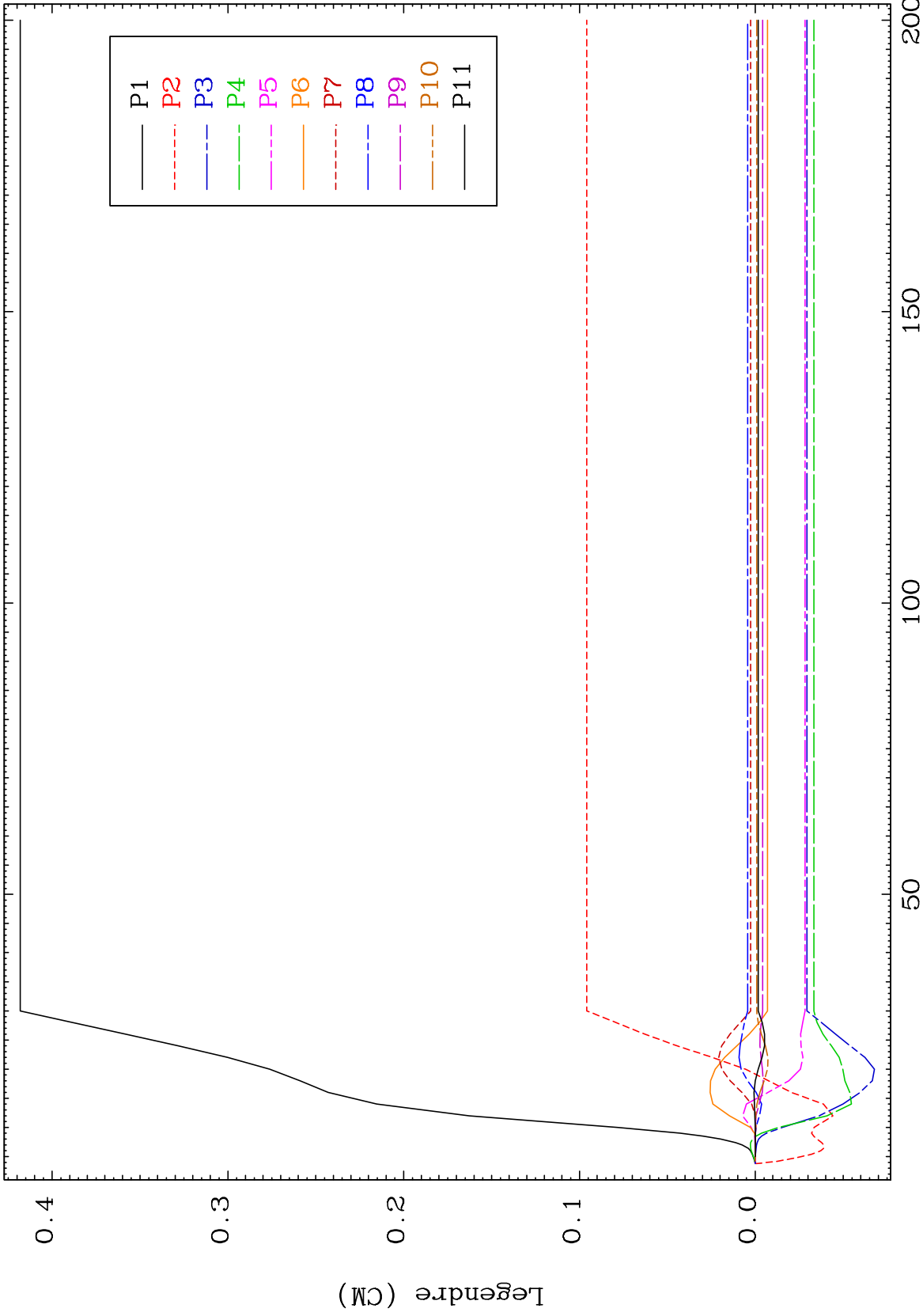
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

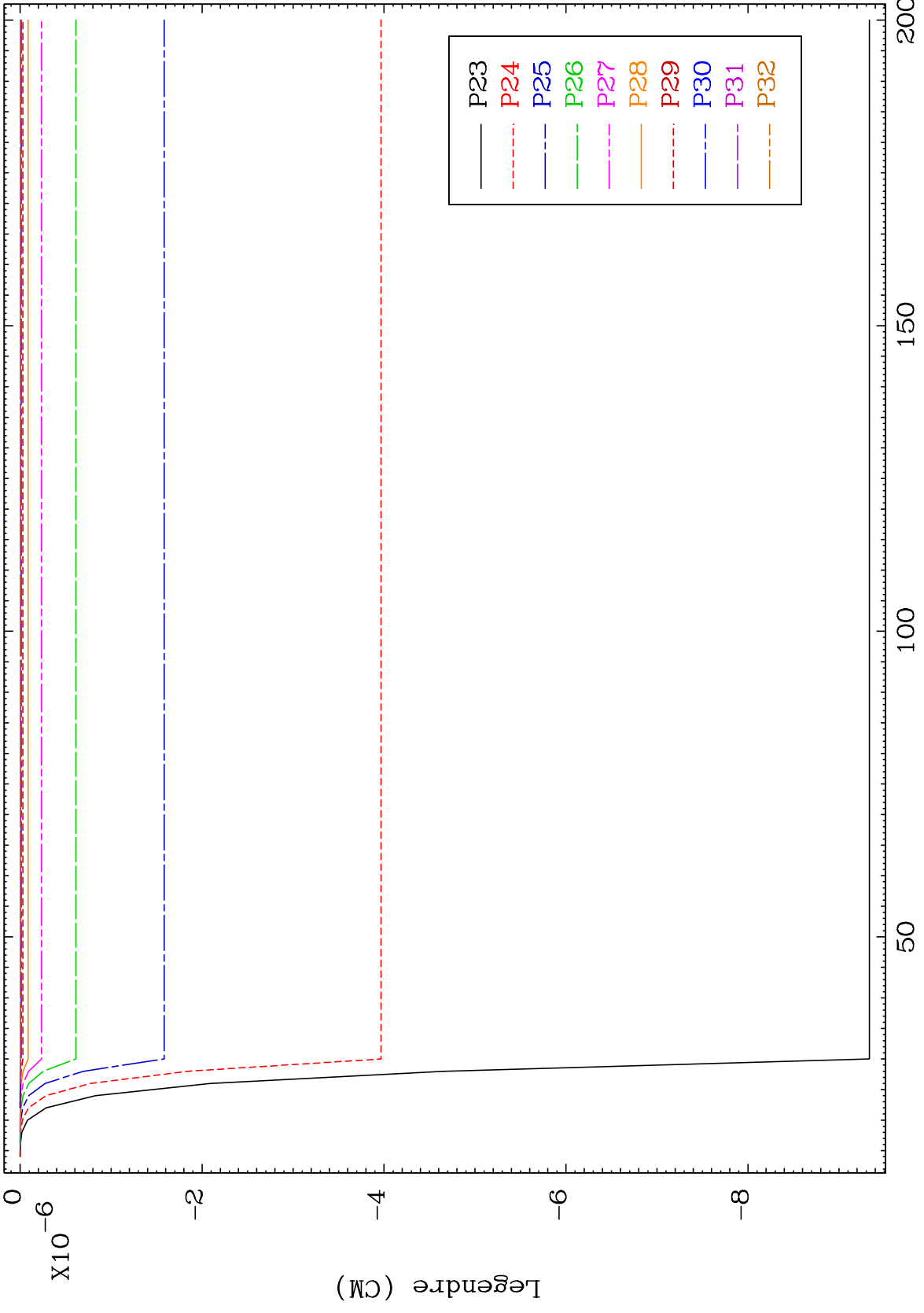


103

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 77 (n,n') Level Legendre Coefficients 39-Y -89

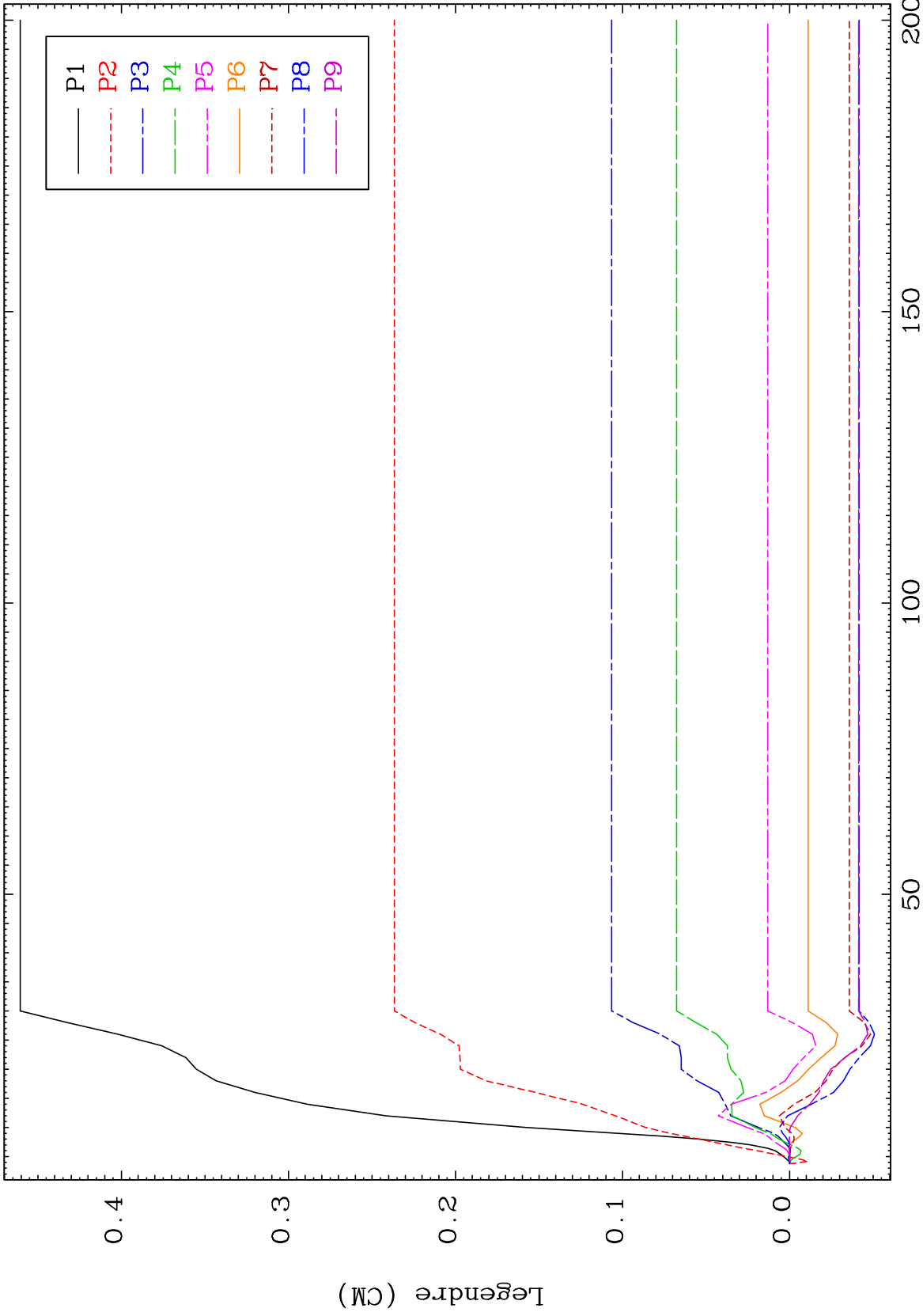


105 Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89



106

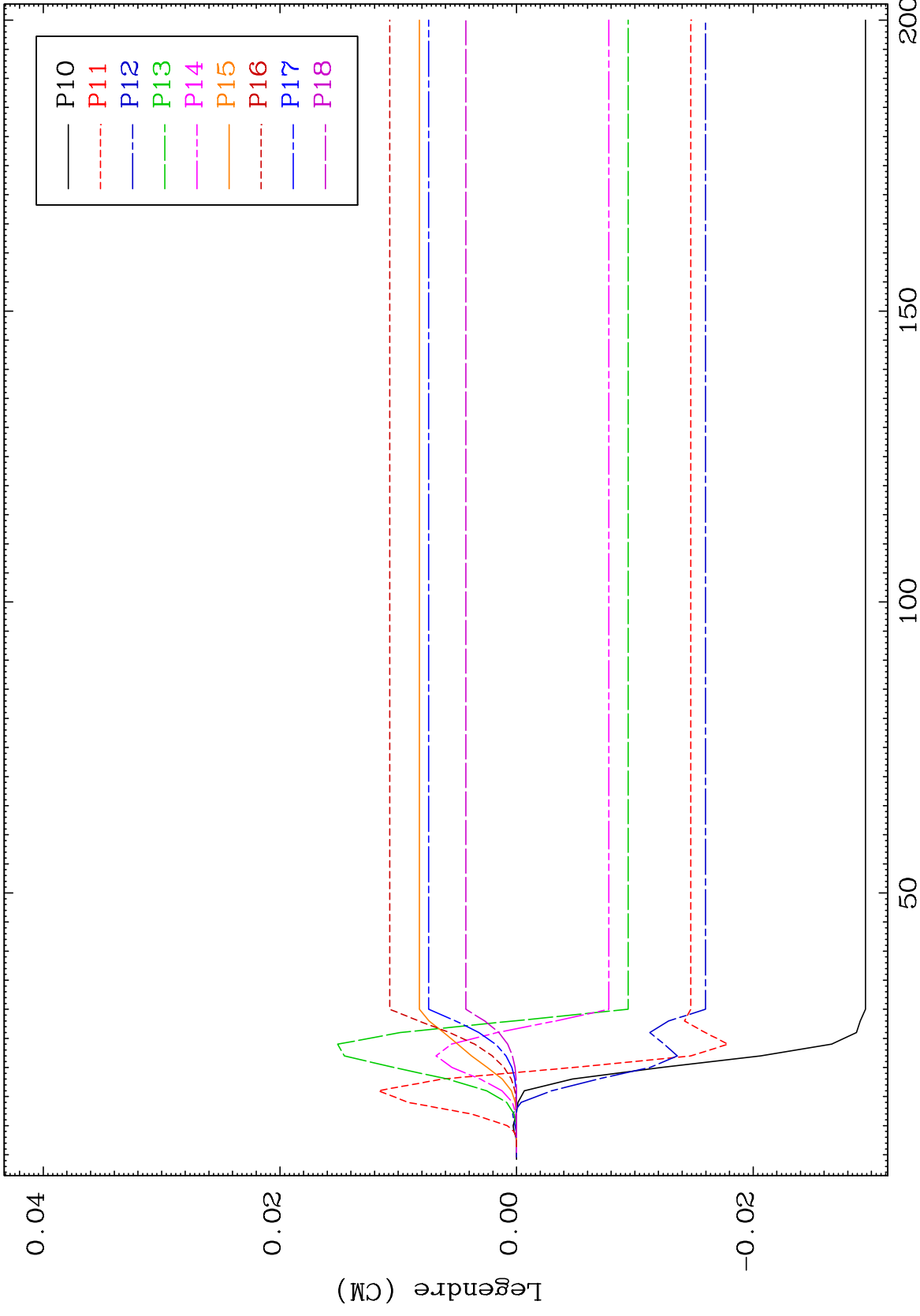
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



107

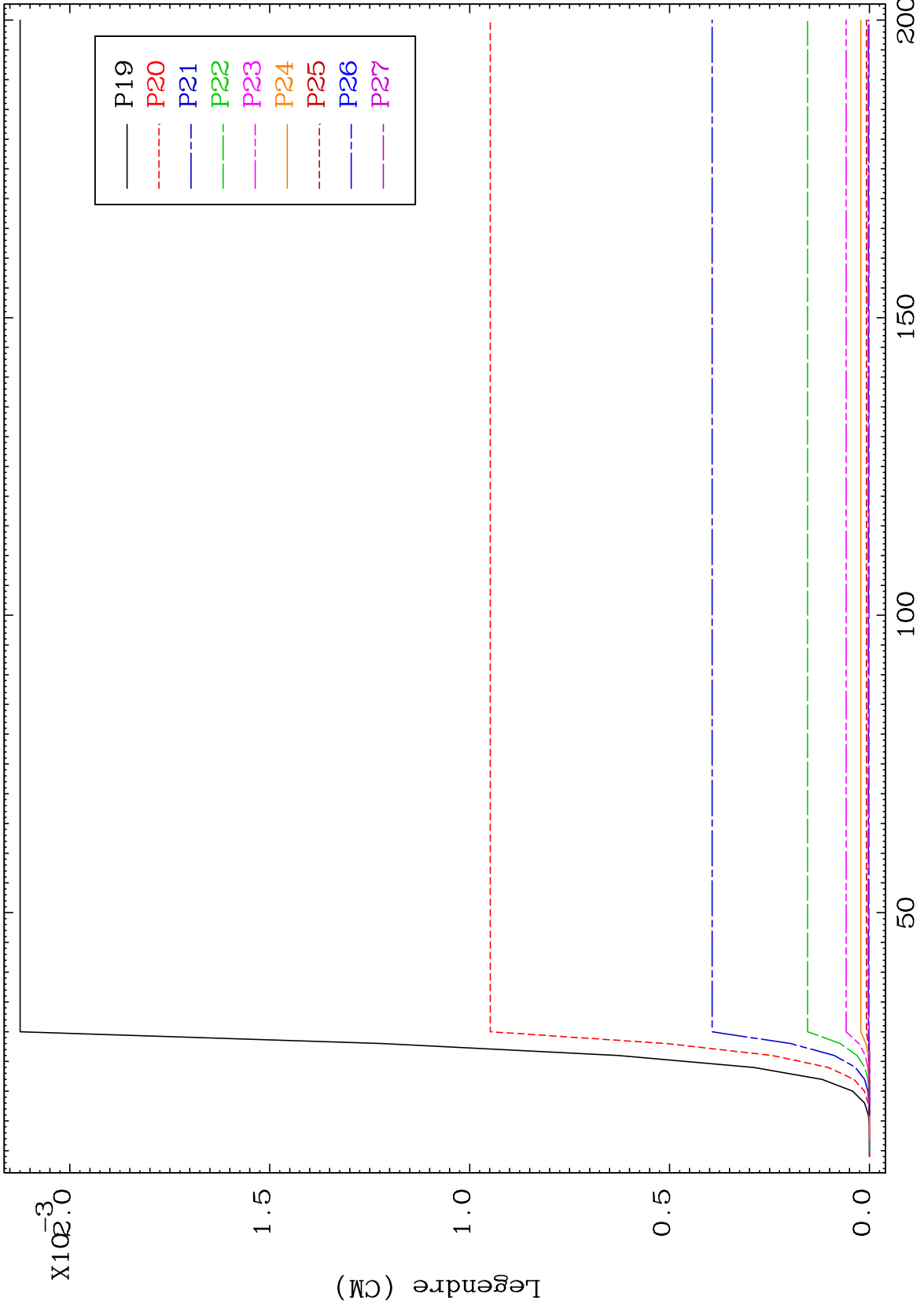
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89



108

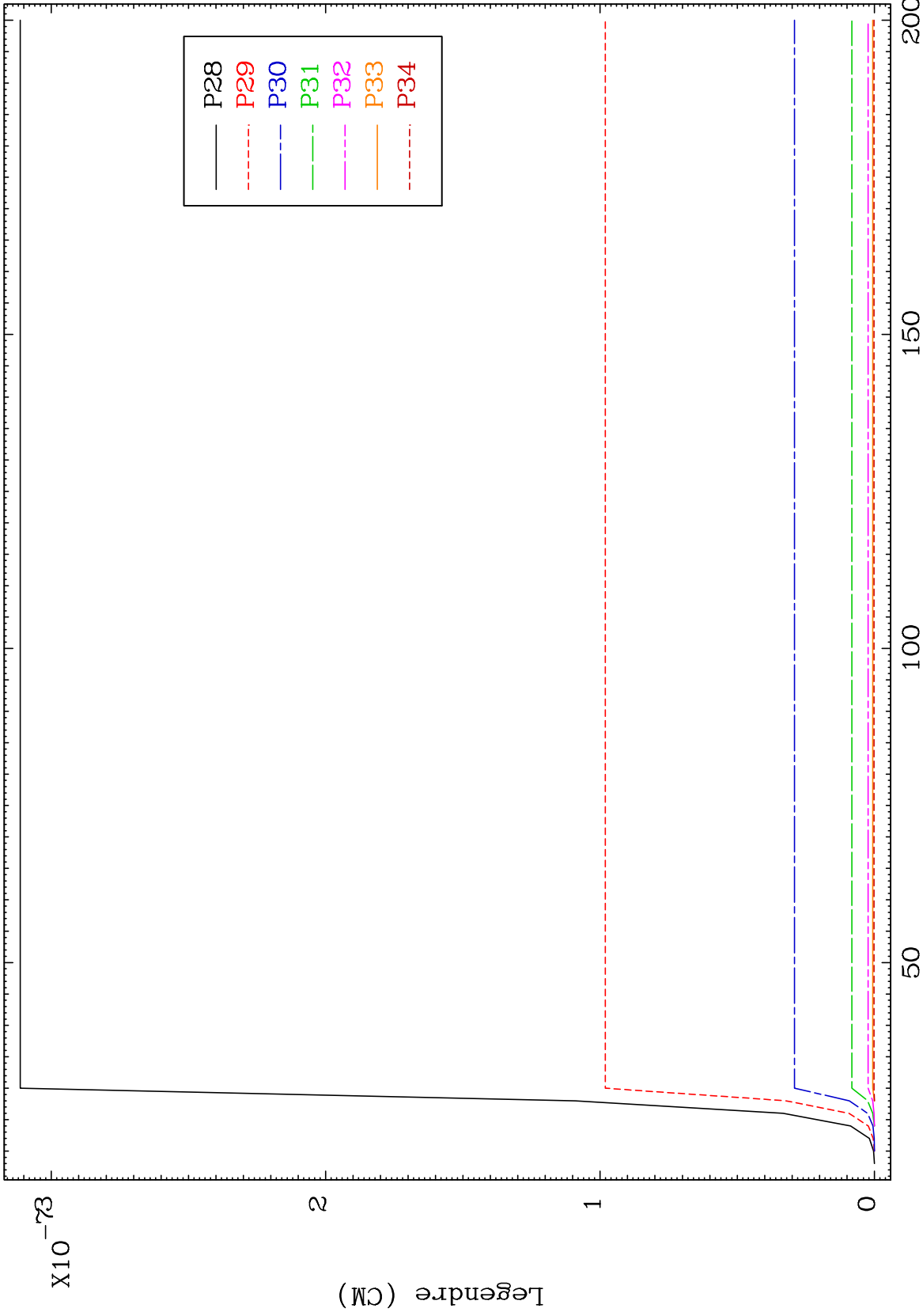
Incident Energy (MeV)

39-Y -89

MAT 3925

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

39-Y -89

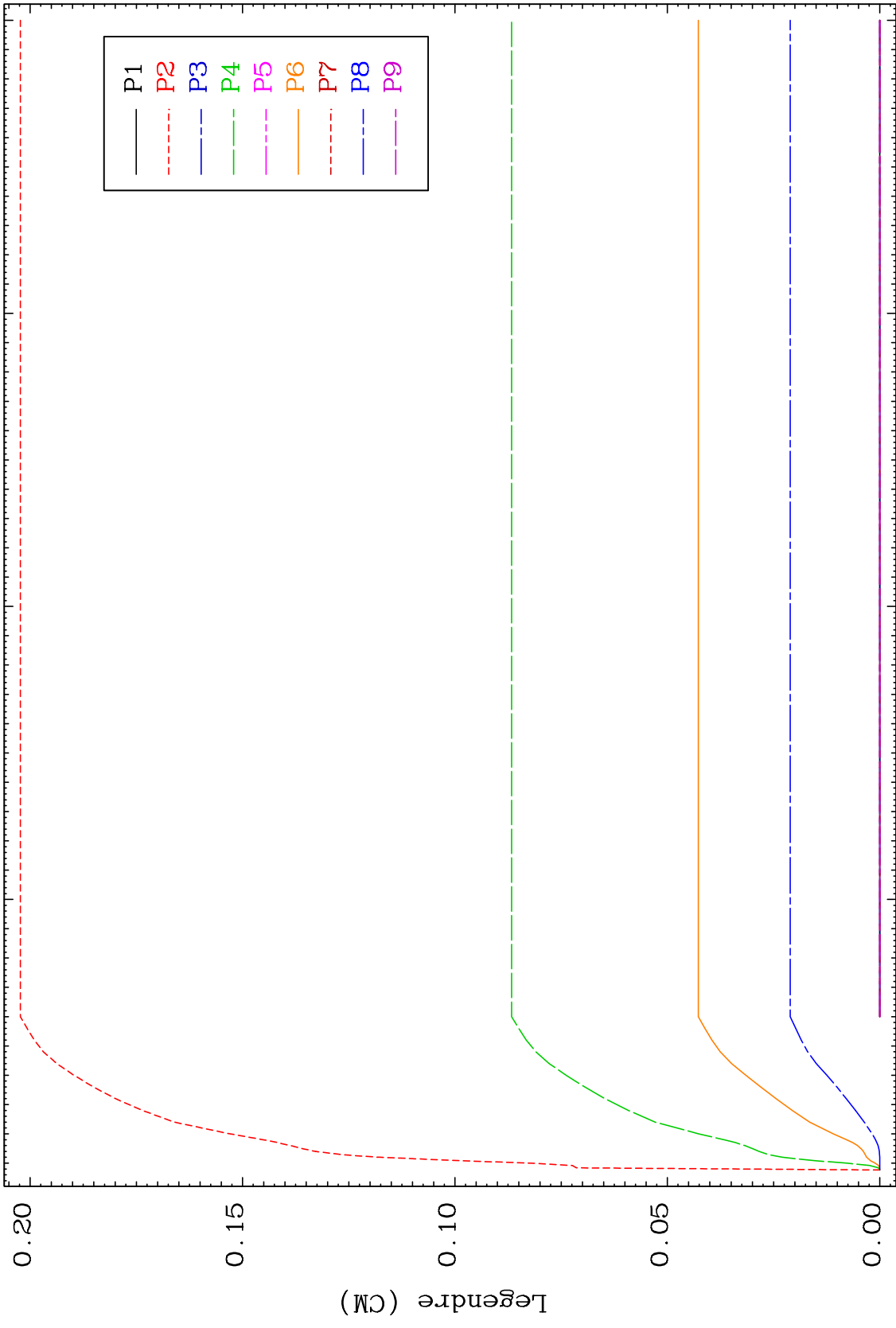


109

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 79 (n,n') Level Legendre Coefficients 39-Y -89

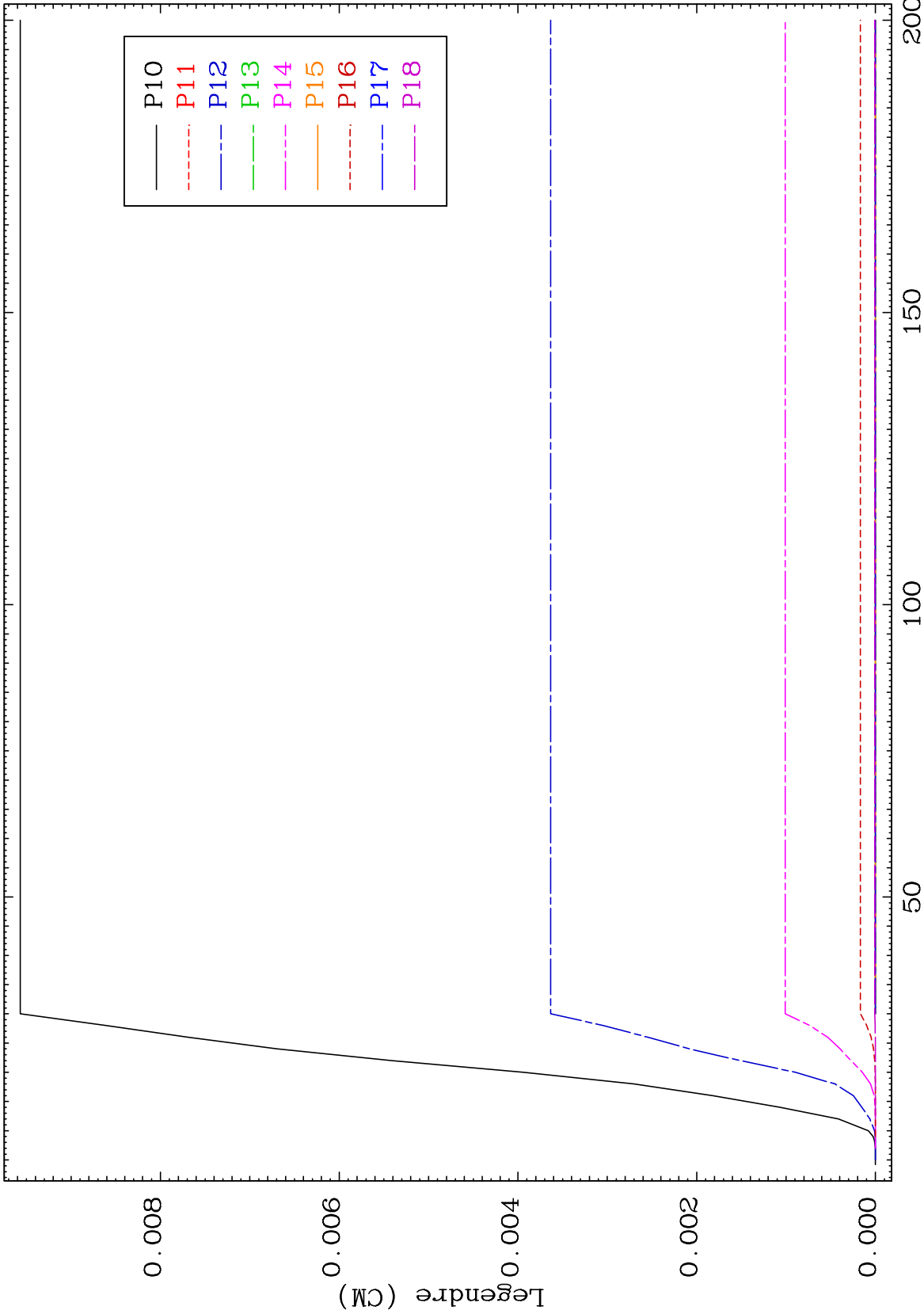


Incident Energy (MeV) 39-Y -89

MAT 3925

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

39-Y -89

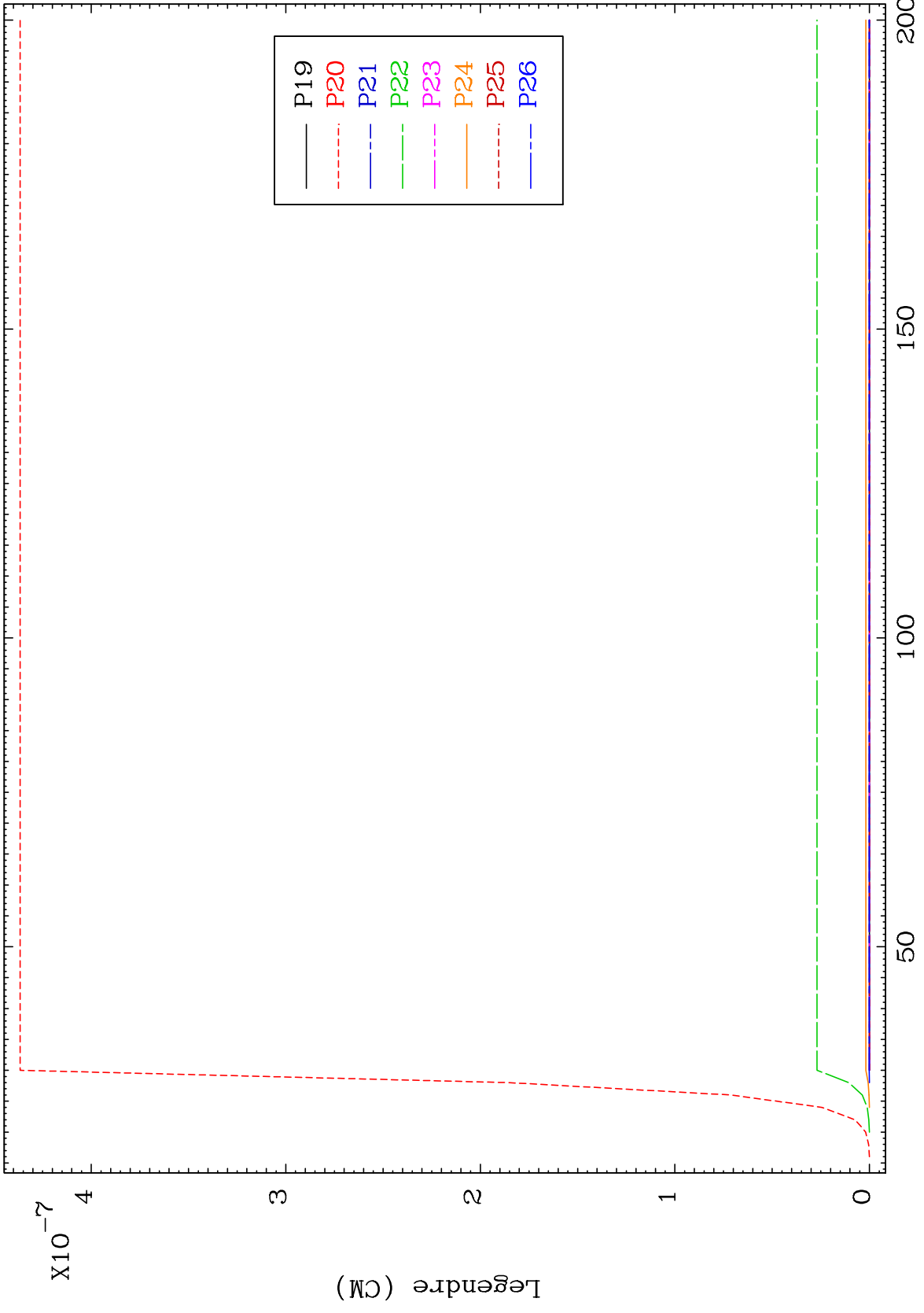


111

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 79 (n,n') Level Legendre Coefficients 39-Y -89

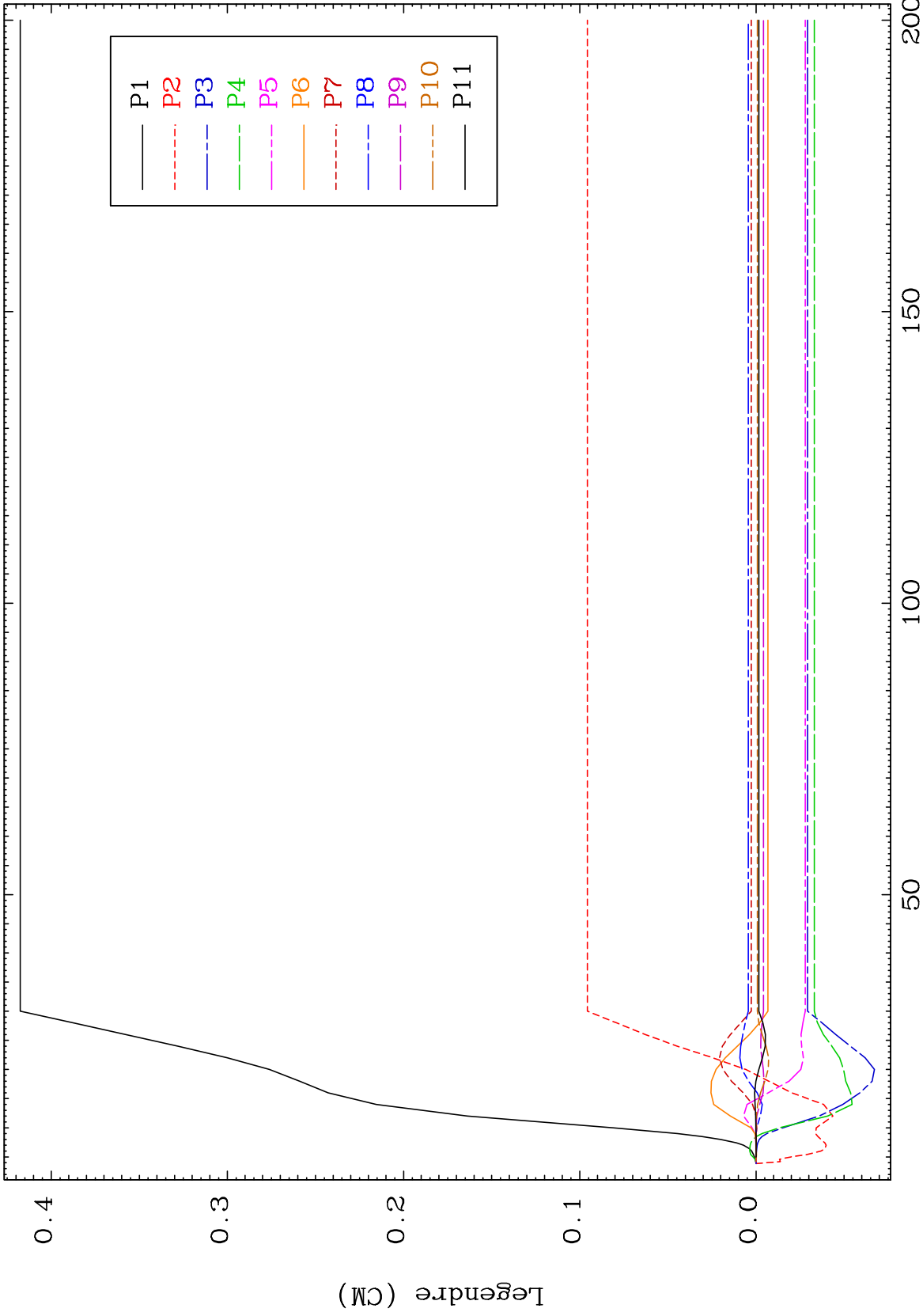


112 Incident Energy (MeV) 39-Y -89

MAT 3925

MT= 80 (n,n') Level
Legendre Coefficients

39-Y -89



113

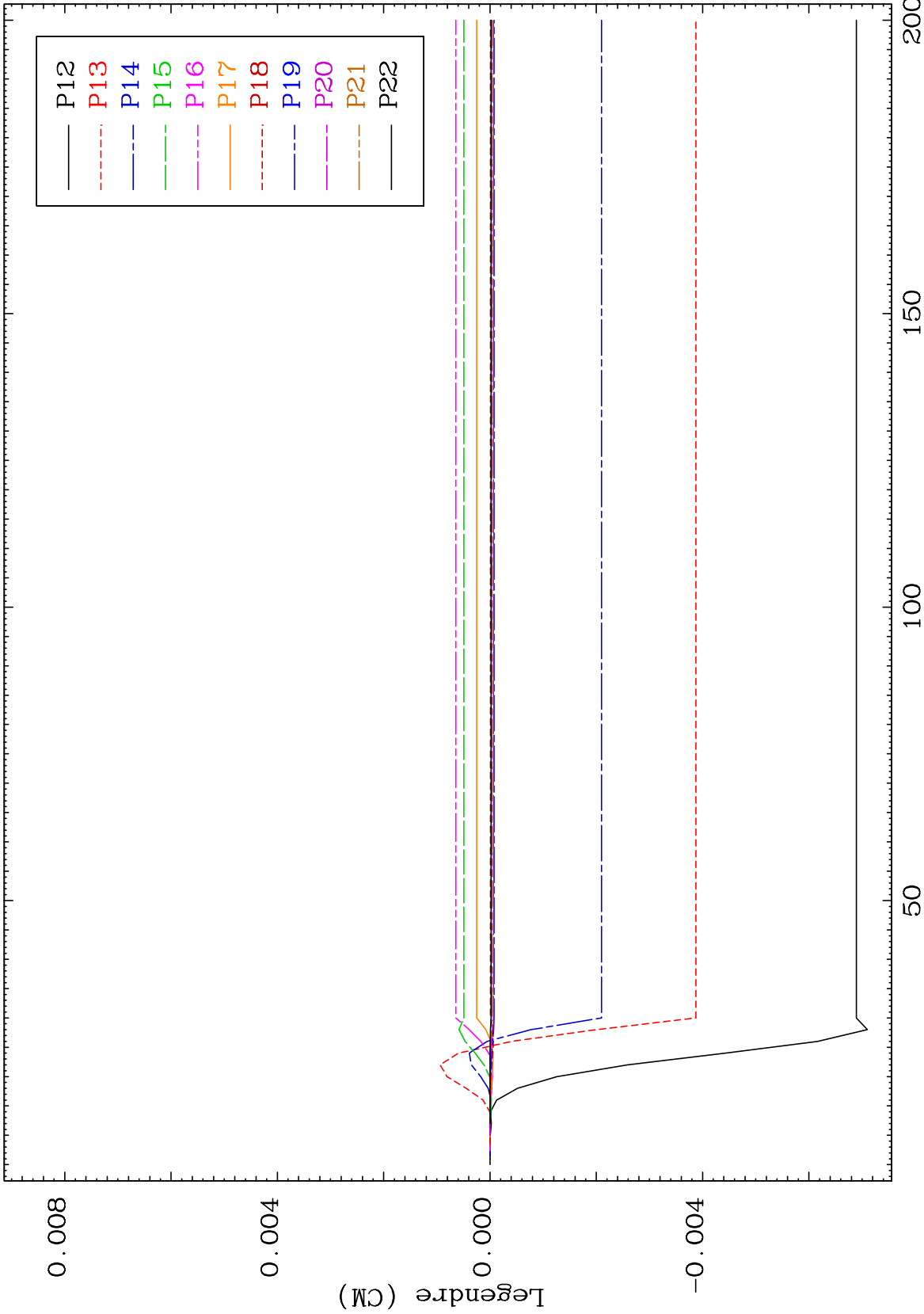
Incident Energy (MeV)

39-Y -89

MAT 3925

MT= 80 (n,n') Level
Legendre Coefficients

39-Y -89

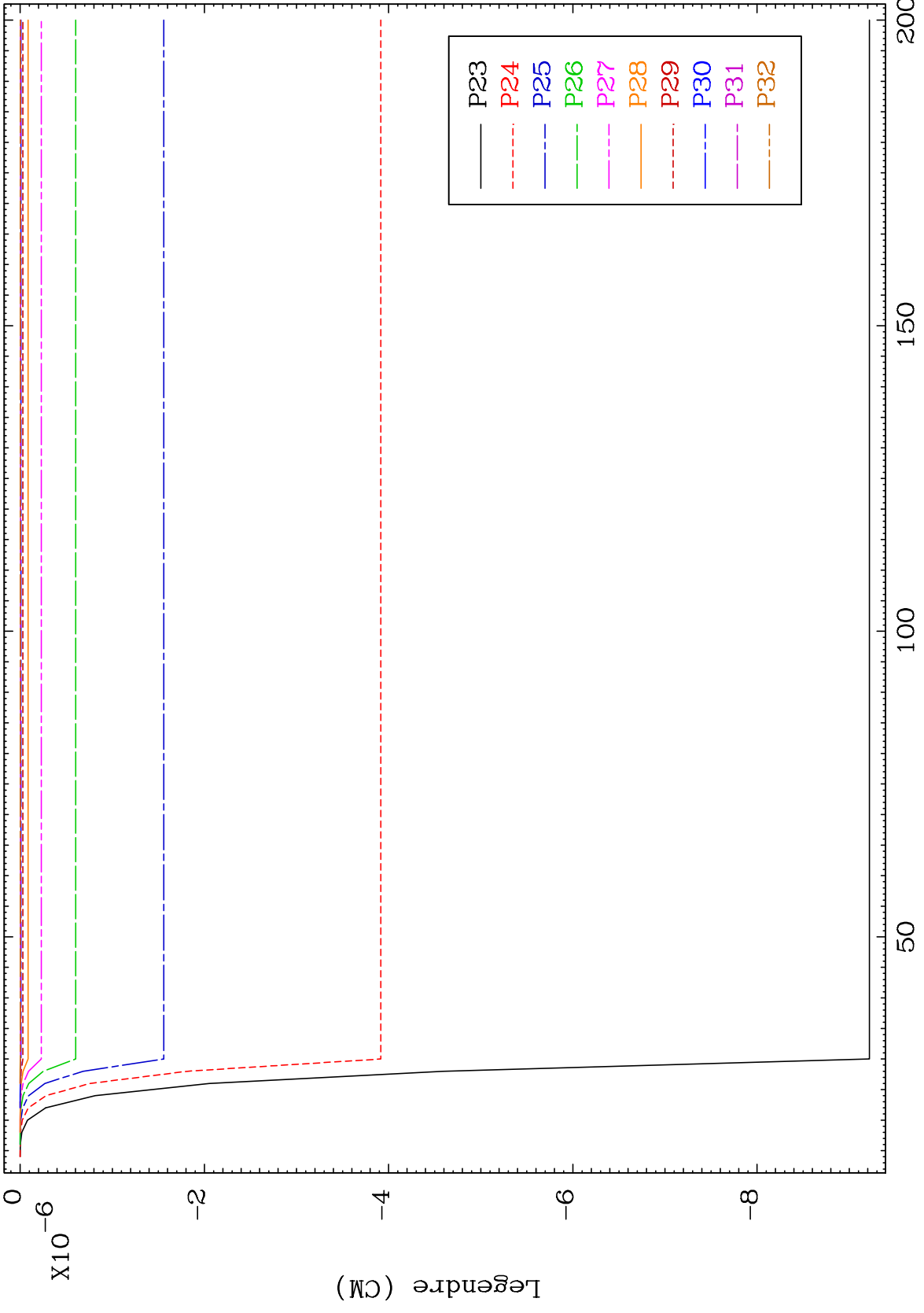


114

Incident Energy (MeV)

39-Y -89

MAT 3925 MT= 80 (n,n') Level Legendre Coefficients 39-Y -89

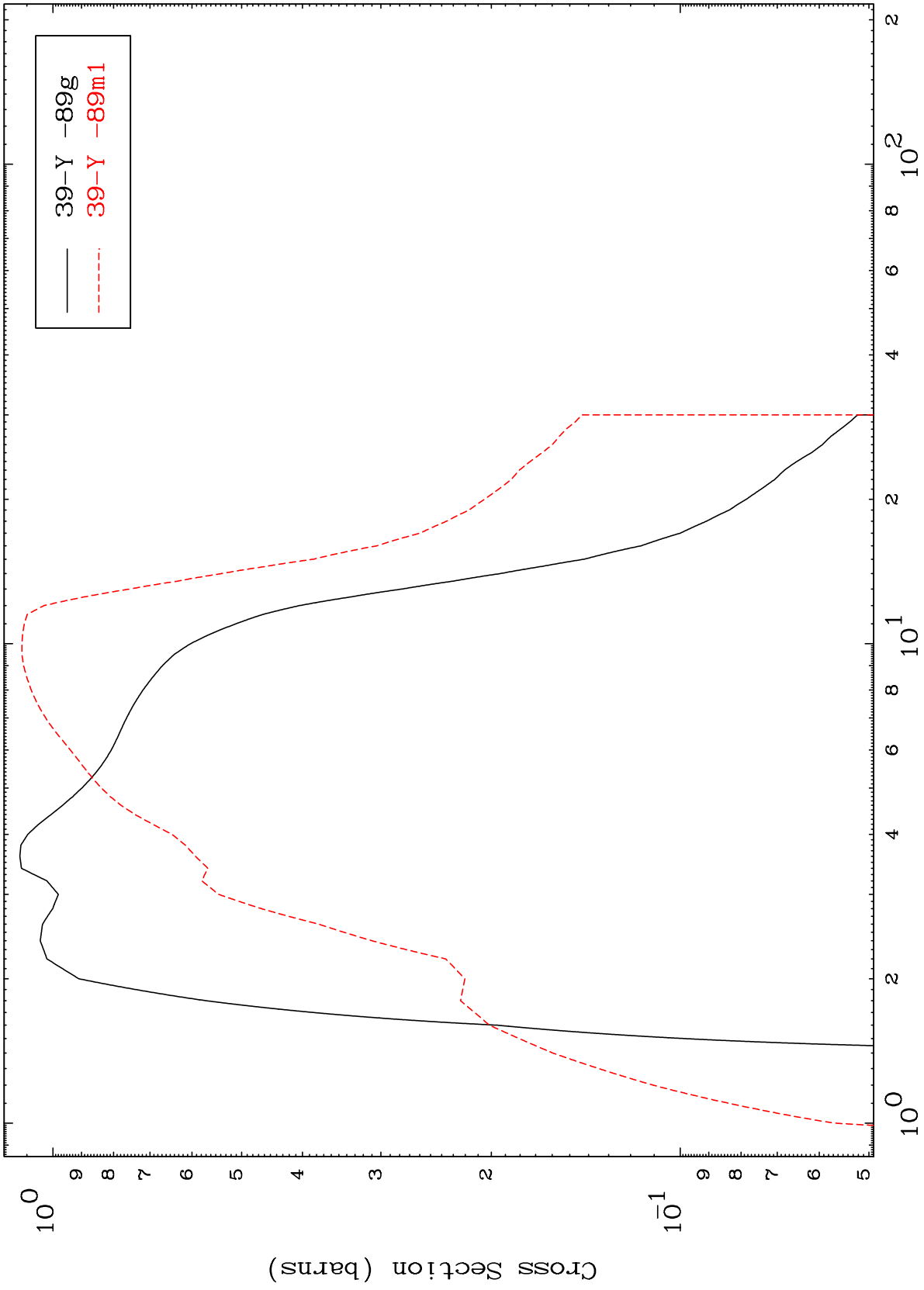


115 Incident Energy (MeV) 39-Y -89

MAT 3925

39-Y -89

Inelastic Radionuclide Production Cross Section



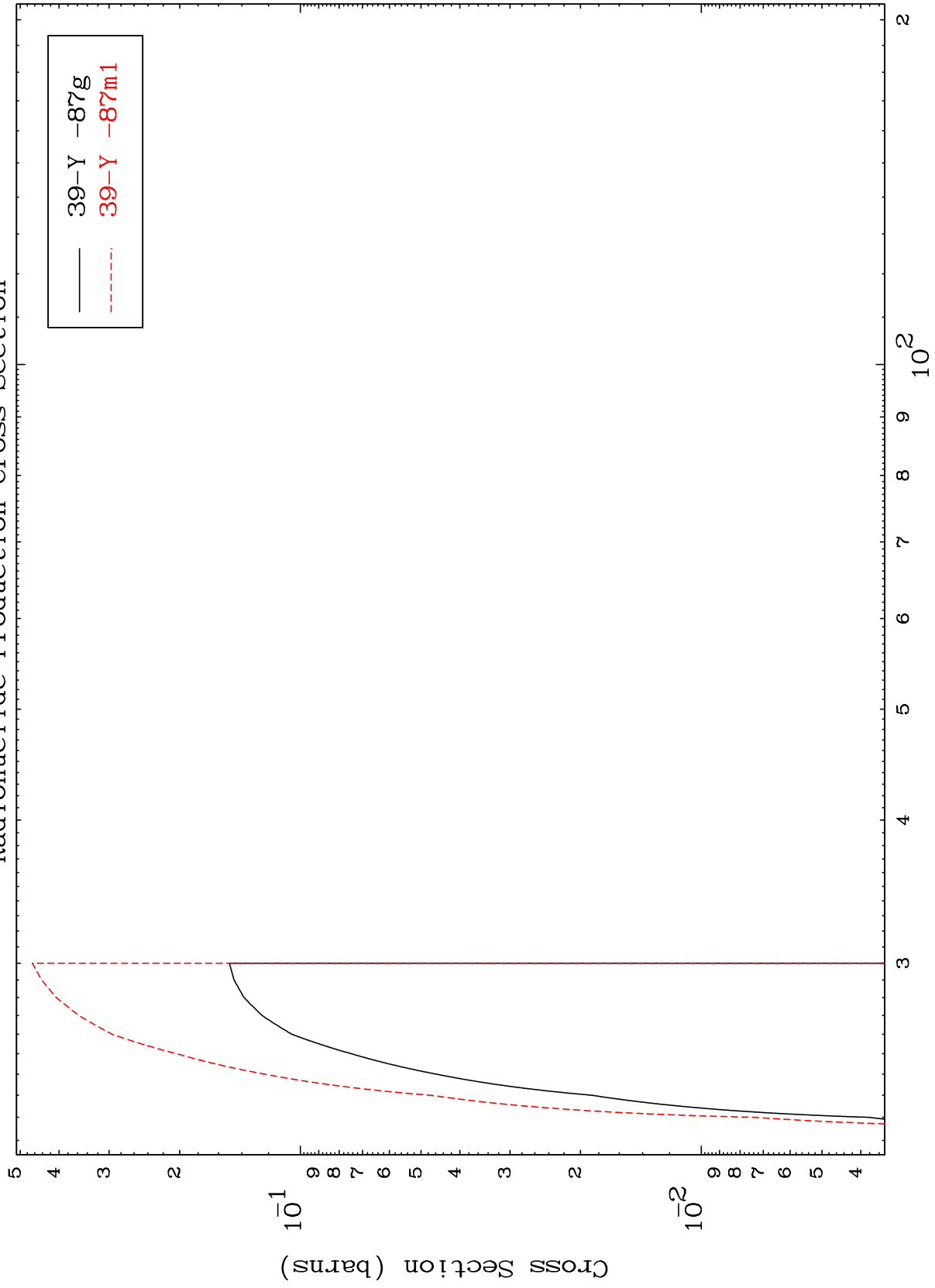
116

39-Y -89

MAT 3925

39-Y -89

(n,3n)
Radionuclide Production Cross Section



117

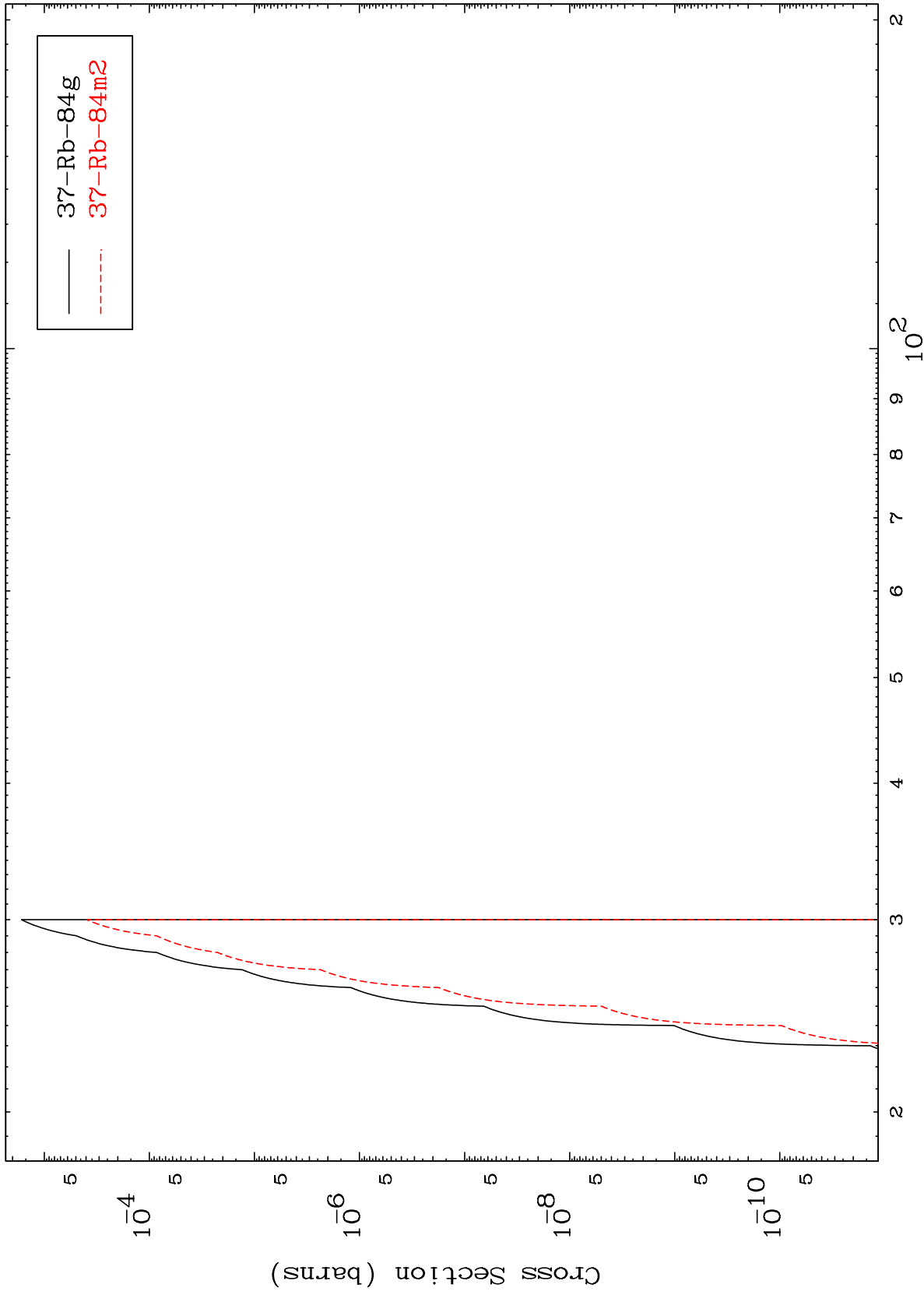
39-Y -89

MAT 3925

(n,2n) α

39-Y -89

Radionuclide Production Cross Section

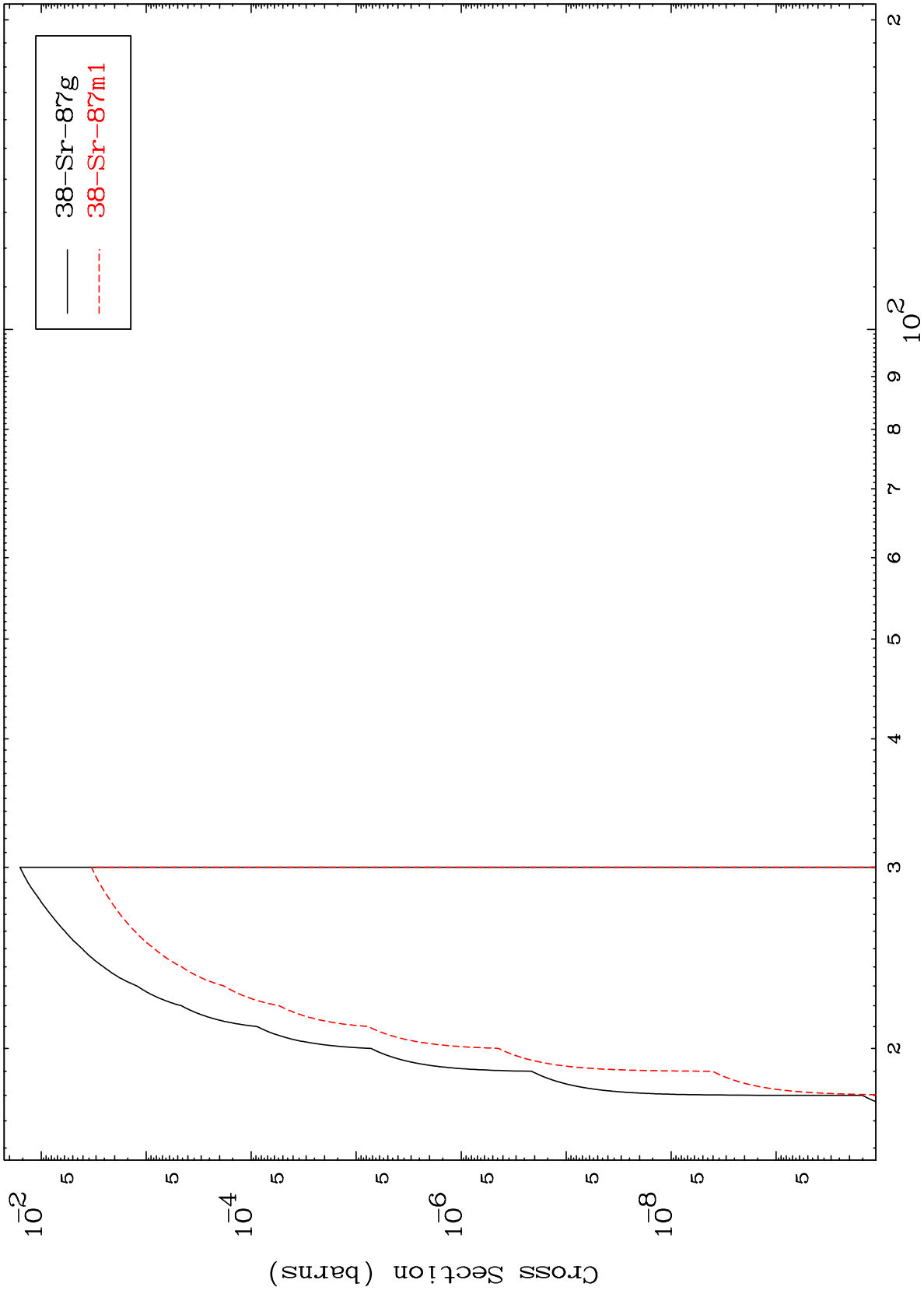


118

Incident Energy (MeV)

39-Y -89

Radionuclide Production Cross Section

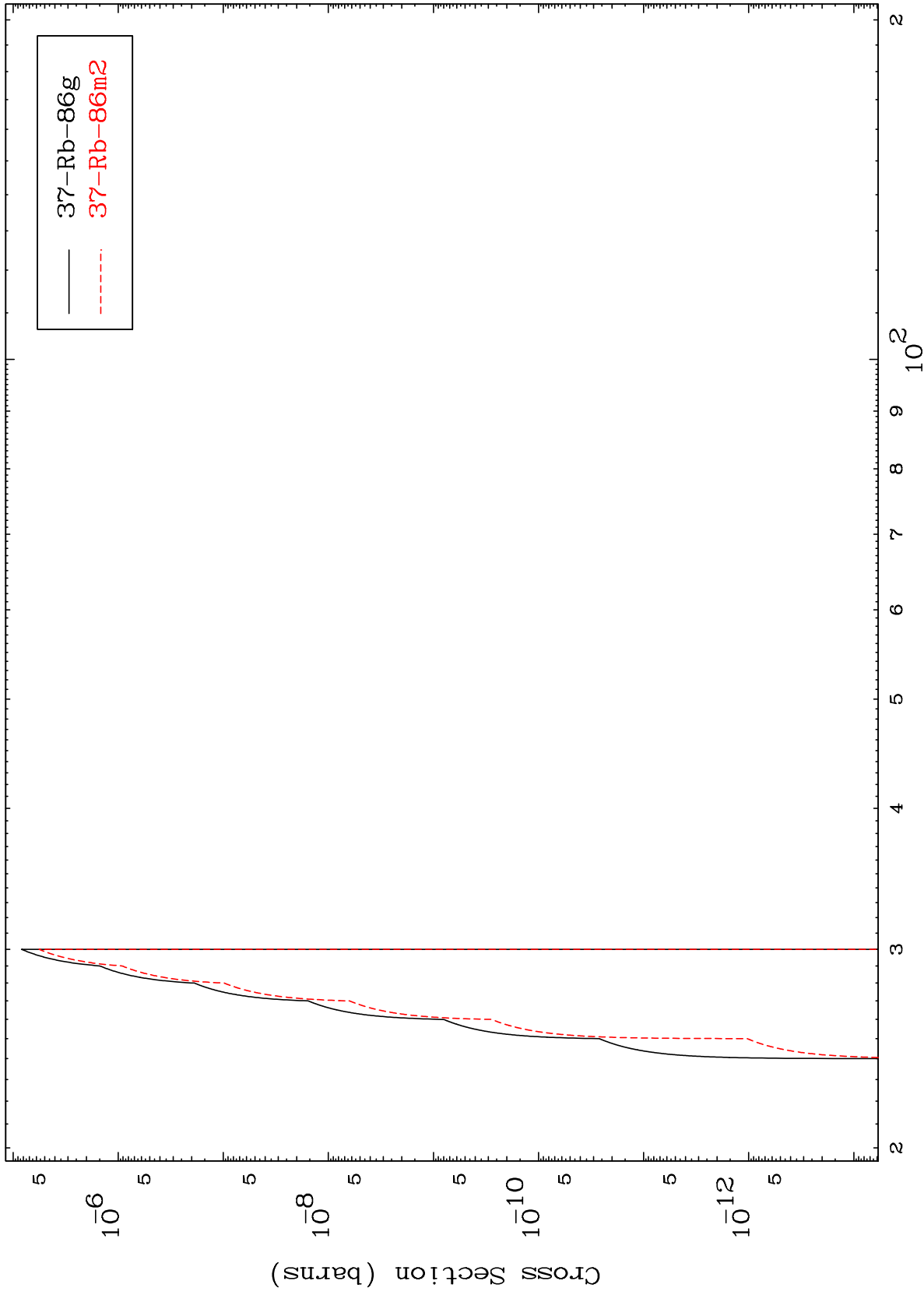


MAT 3925

(n, n') He-3

39-Y -89

Radionuclide Production Cross Section



120

Incident Energy (MeV)

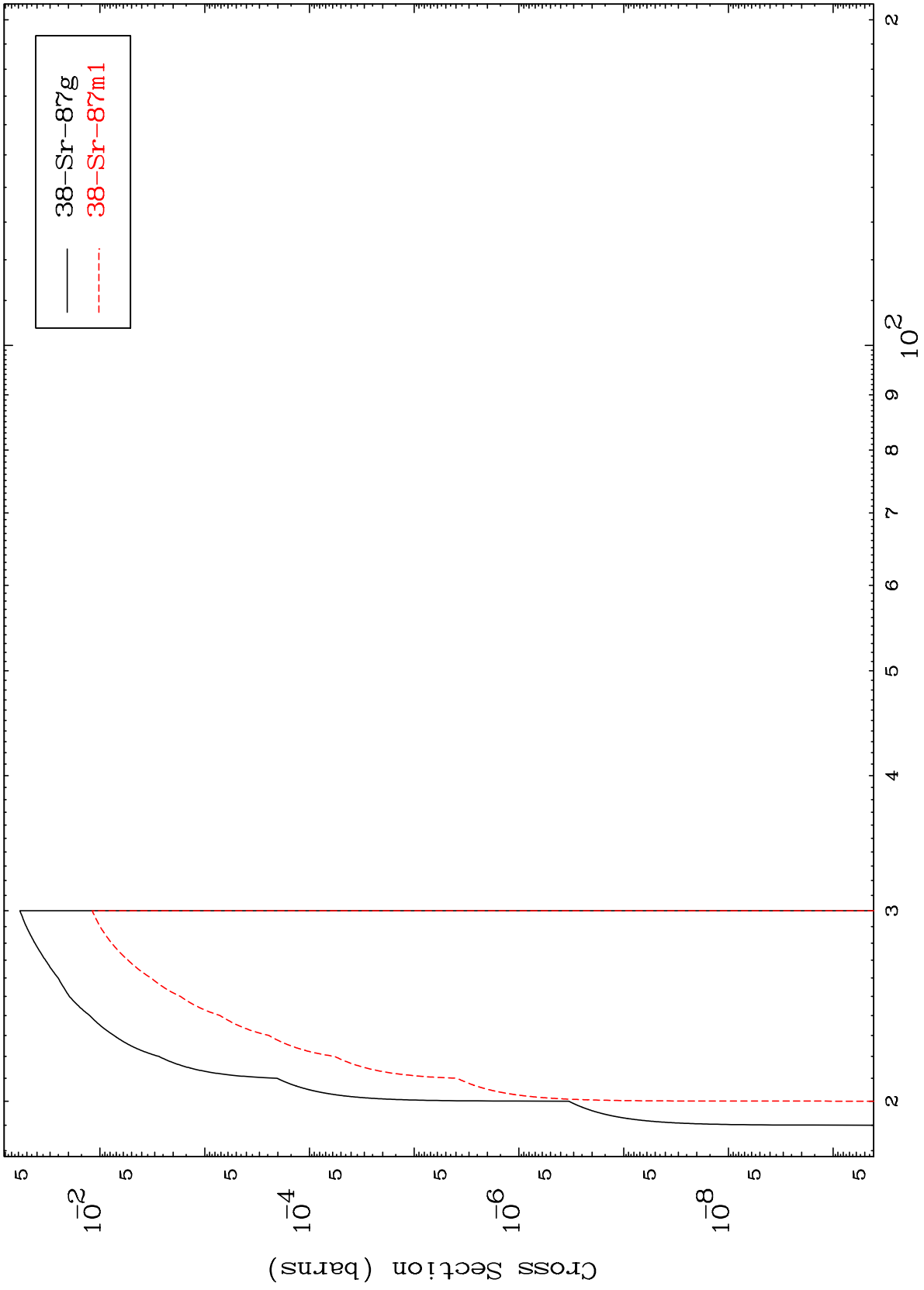
39-Y -89

MAT 3925

(n,2n) p

39-Y -89

Radionuclide Production Cross Section



121

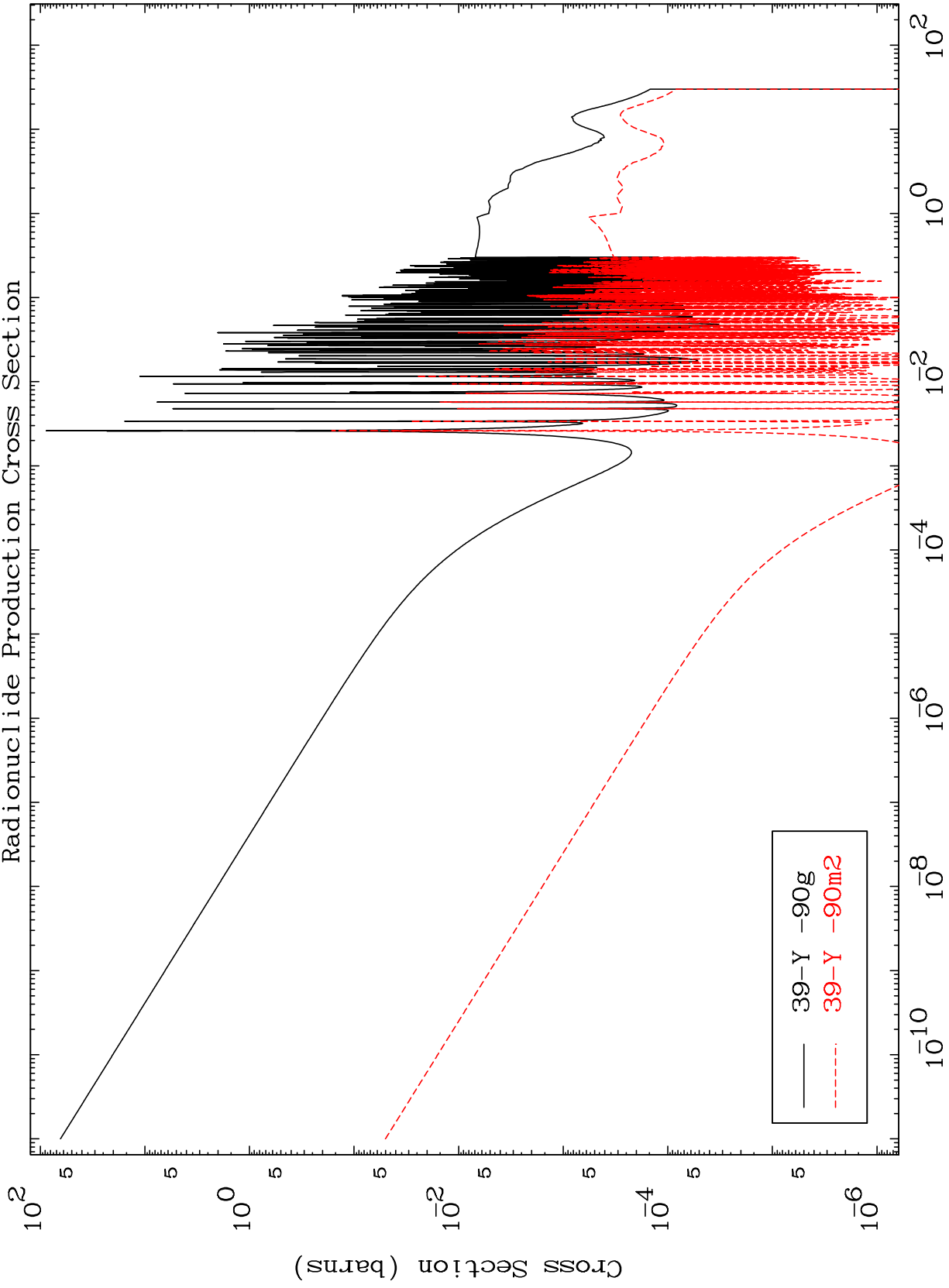
Incident Energy (MeV)

39-Y -89

MAT 3925

39-Y -89

Radionuclide Production Cross Section



122

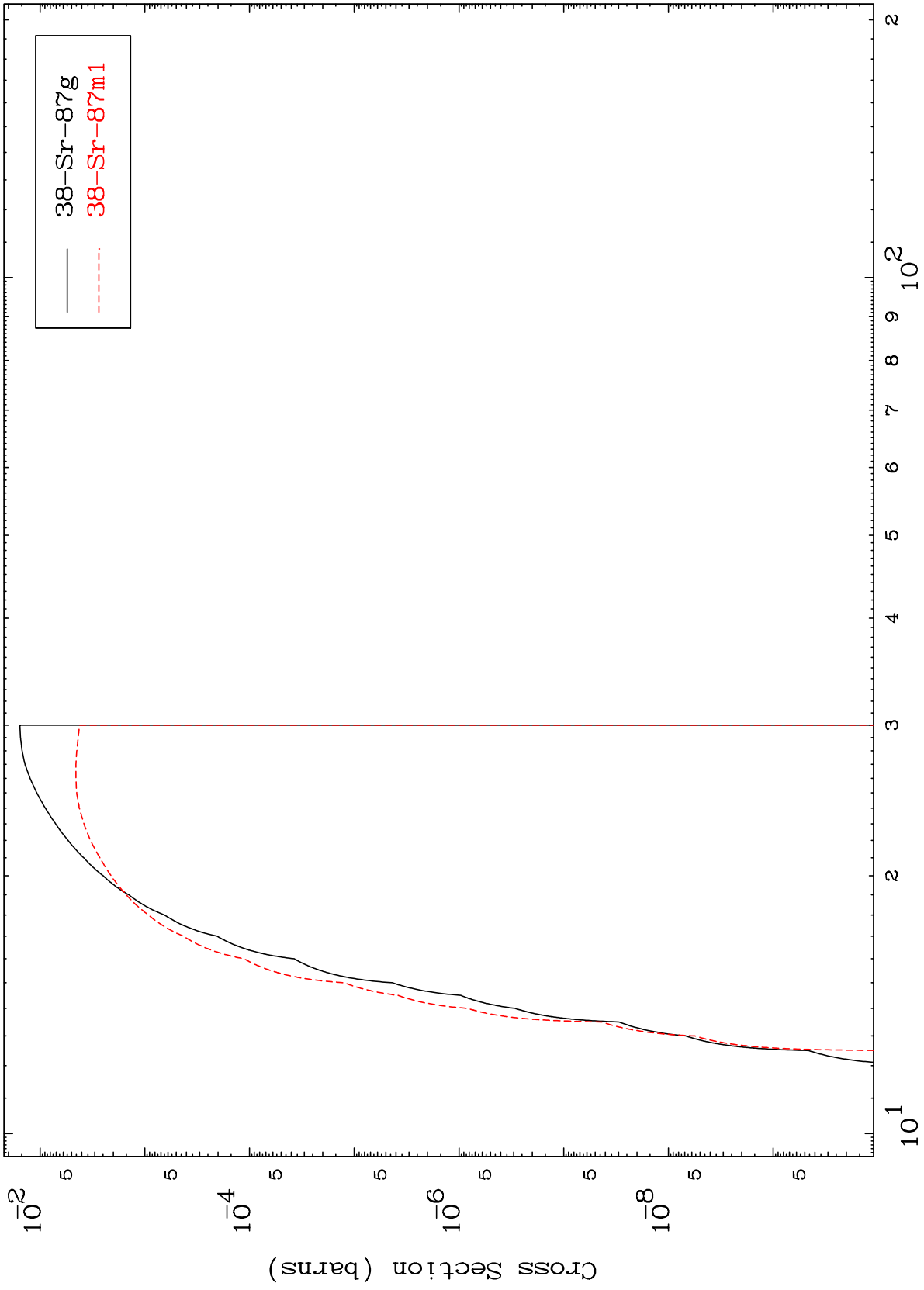
39-Y -89

MAT 3925

(n, t)

39-Y -89

Radionuclide Production Cross Section



123

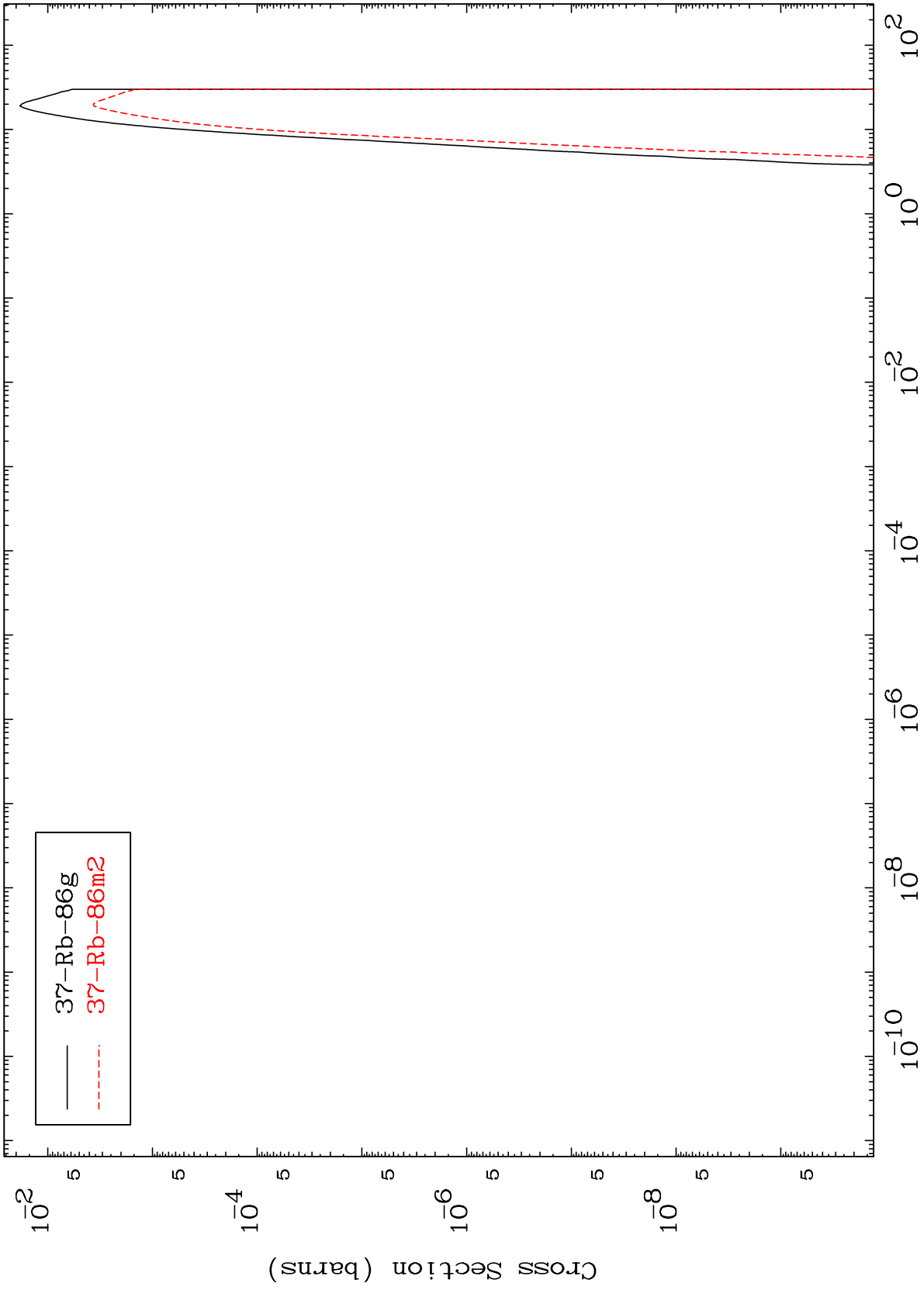
Incident Energy (MeV)

39-Y -89

MAT 3925

(n,α)
Radionuclide Production Cross Section

39-Y -89



124

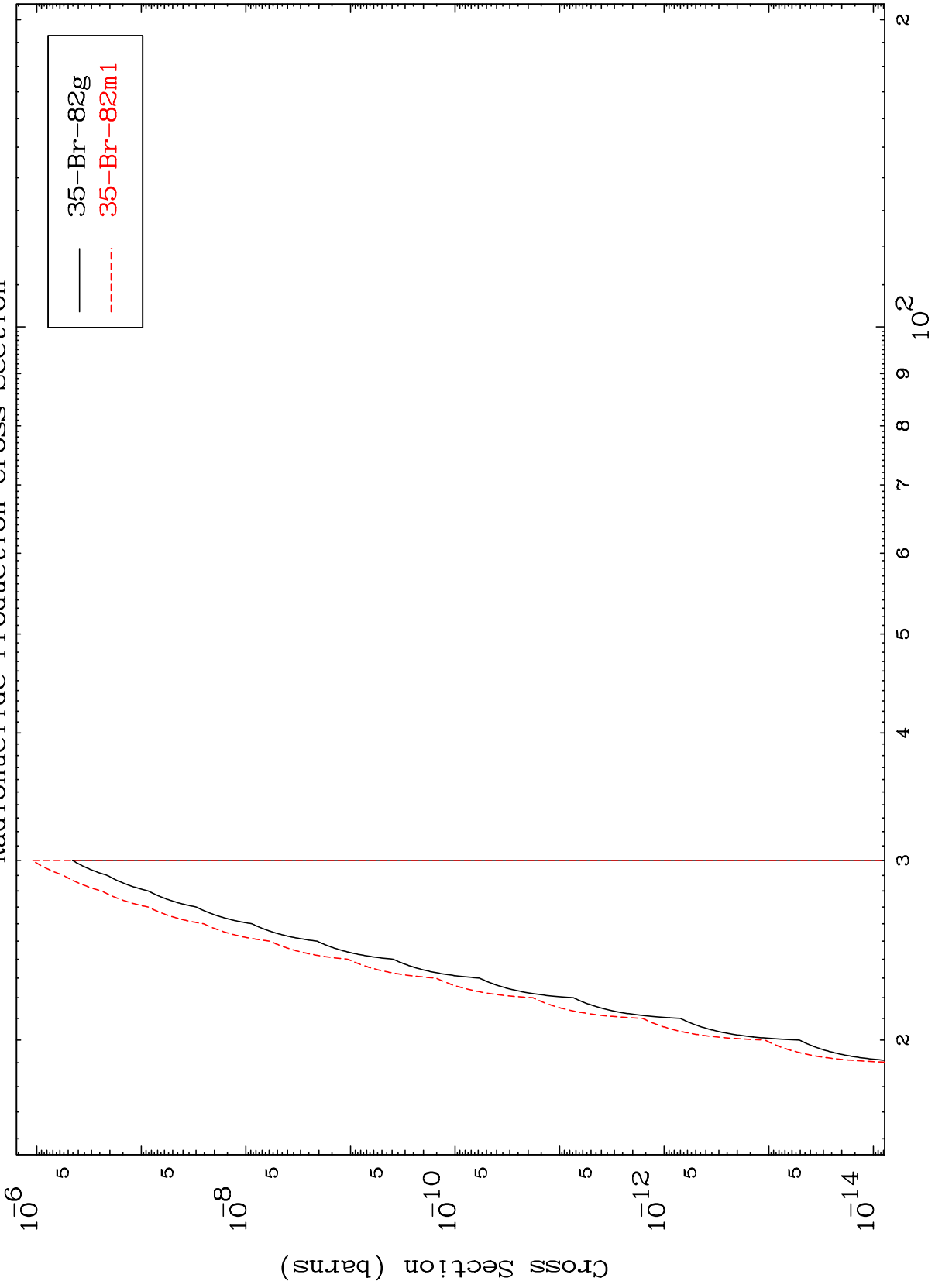
Incident Energy (MeV)

39-Y -89

MAT 3925

39-Y -89

(n,2α)
Radionuclide Production Cross Section



125

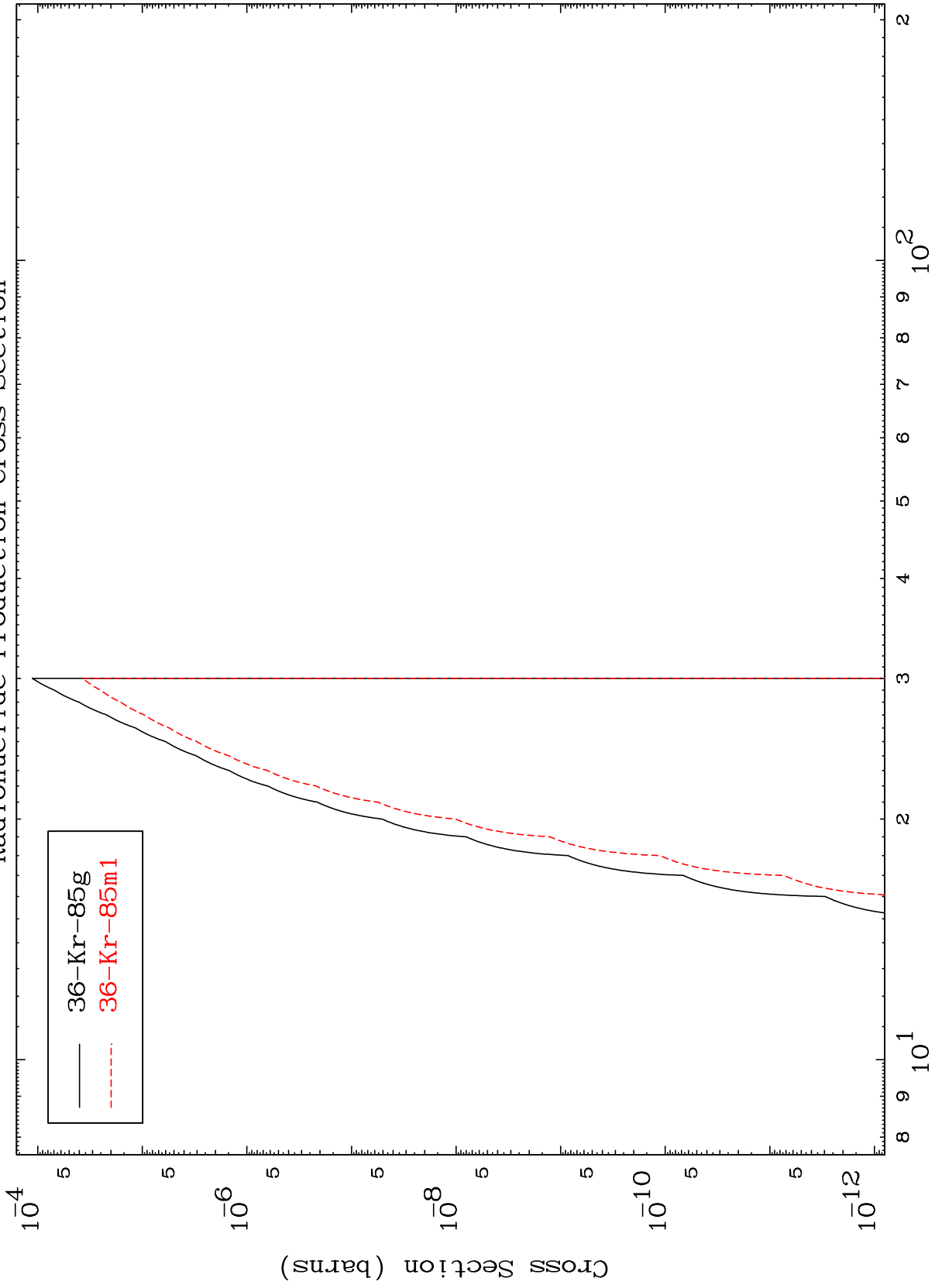
39-Y -89

MAT 3925

(n,p) α

39-Y -89

Radionuclide Production Cross Section



126

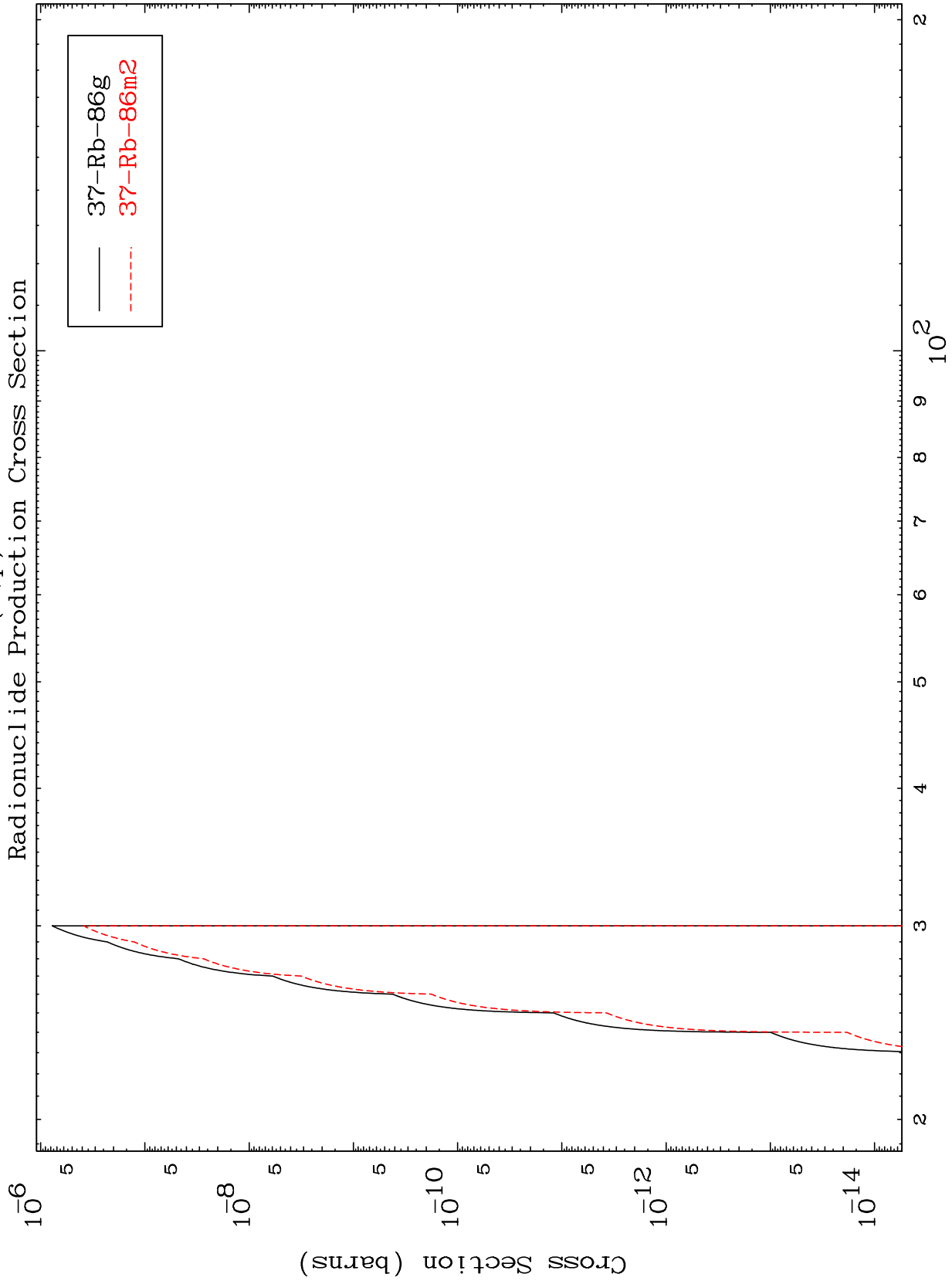
Incident Energy (MeV)

39-Y -89

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(n,p) t

39-Y -89



127

Incident Energy (MeV)

39-Y -89