

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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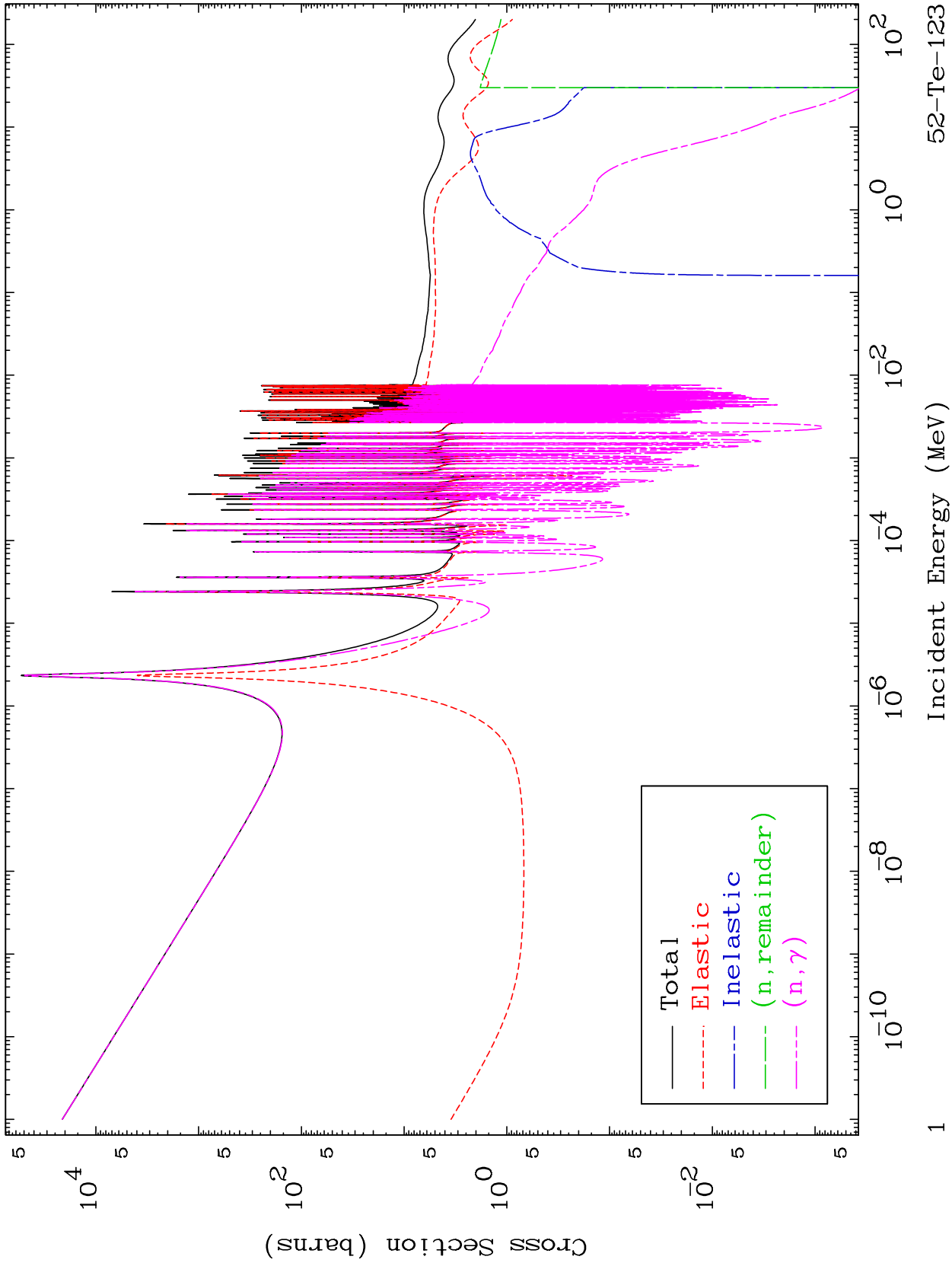
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5234

Major  
293 Kelvin Cross Sections

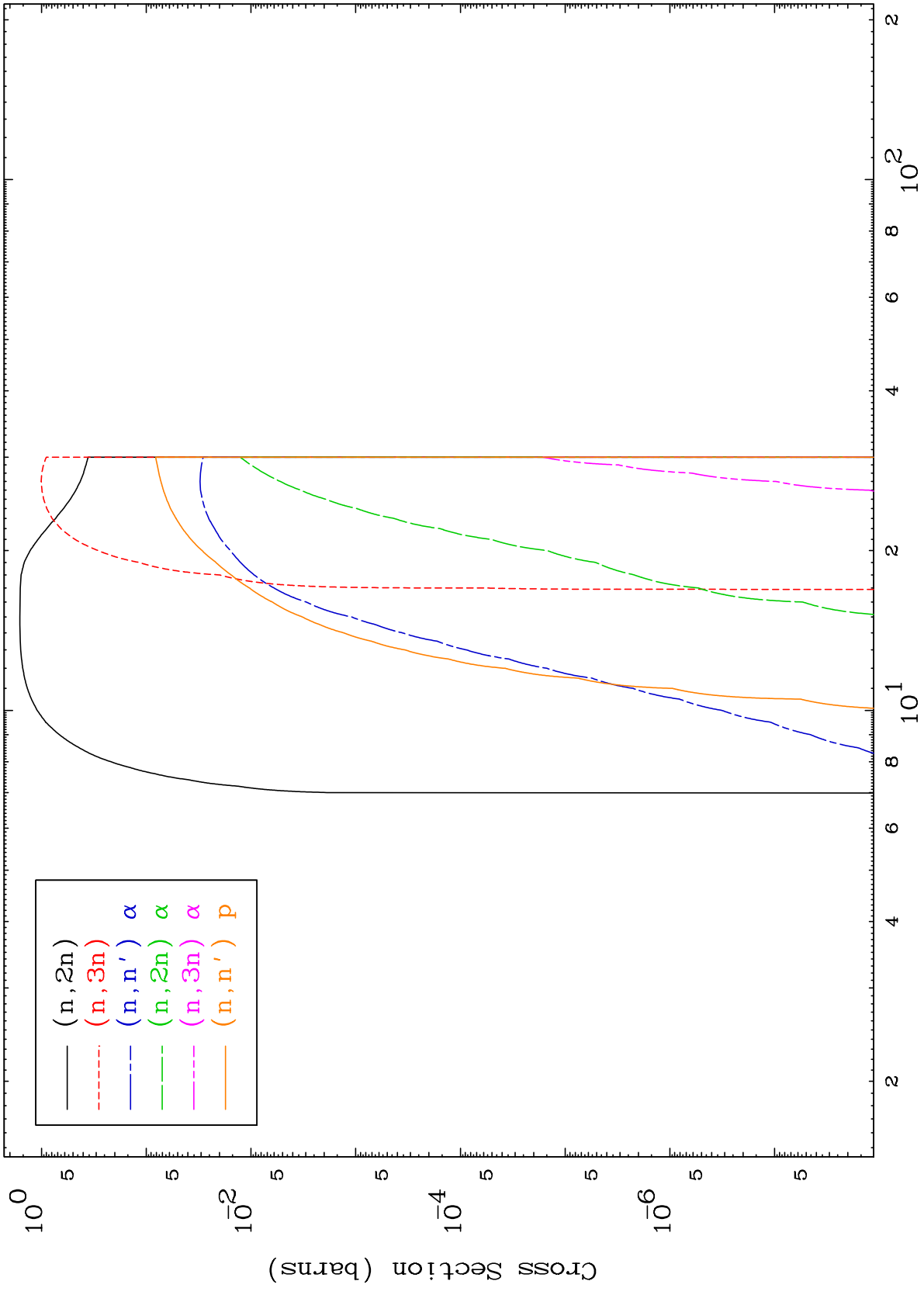
52-Te-123



MAT 5234

Neutron Production  
293 Kelvin Cross Sections

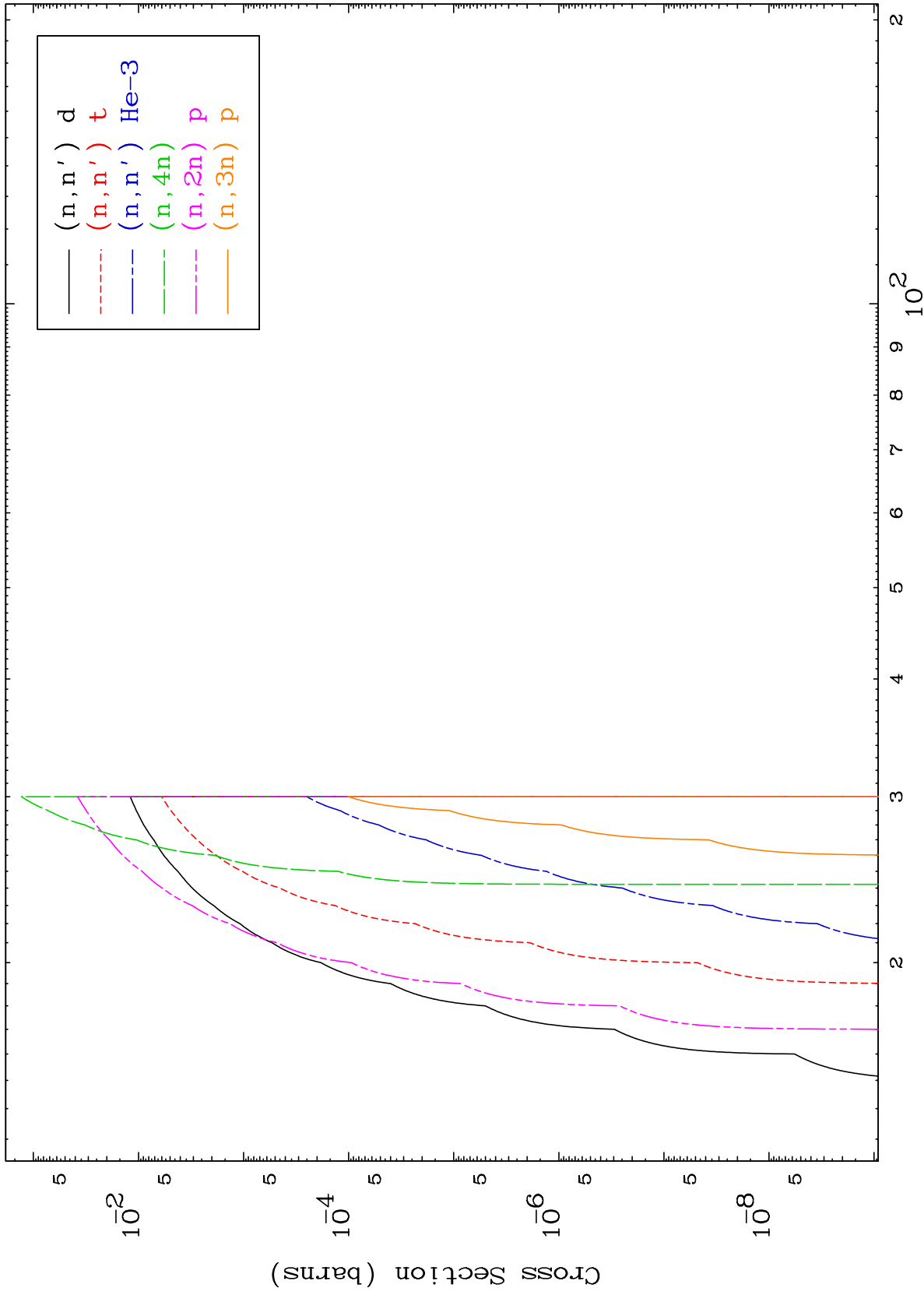
52-Te-123

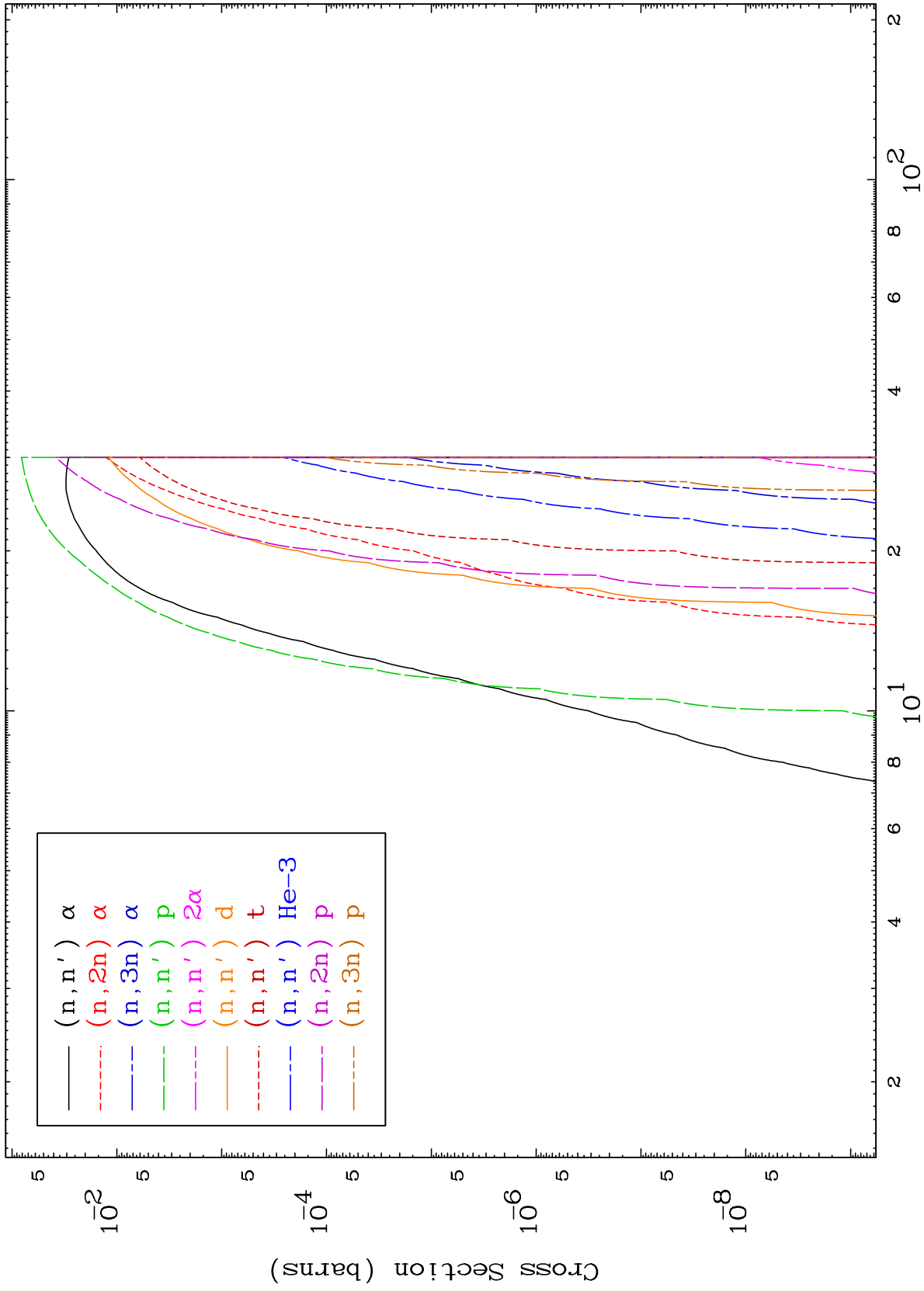


2

Incident Energy (MeV)

52-Te-123

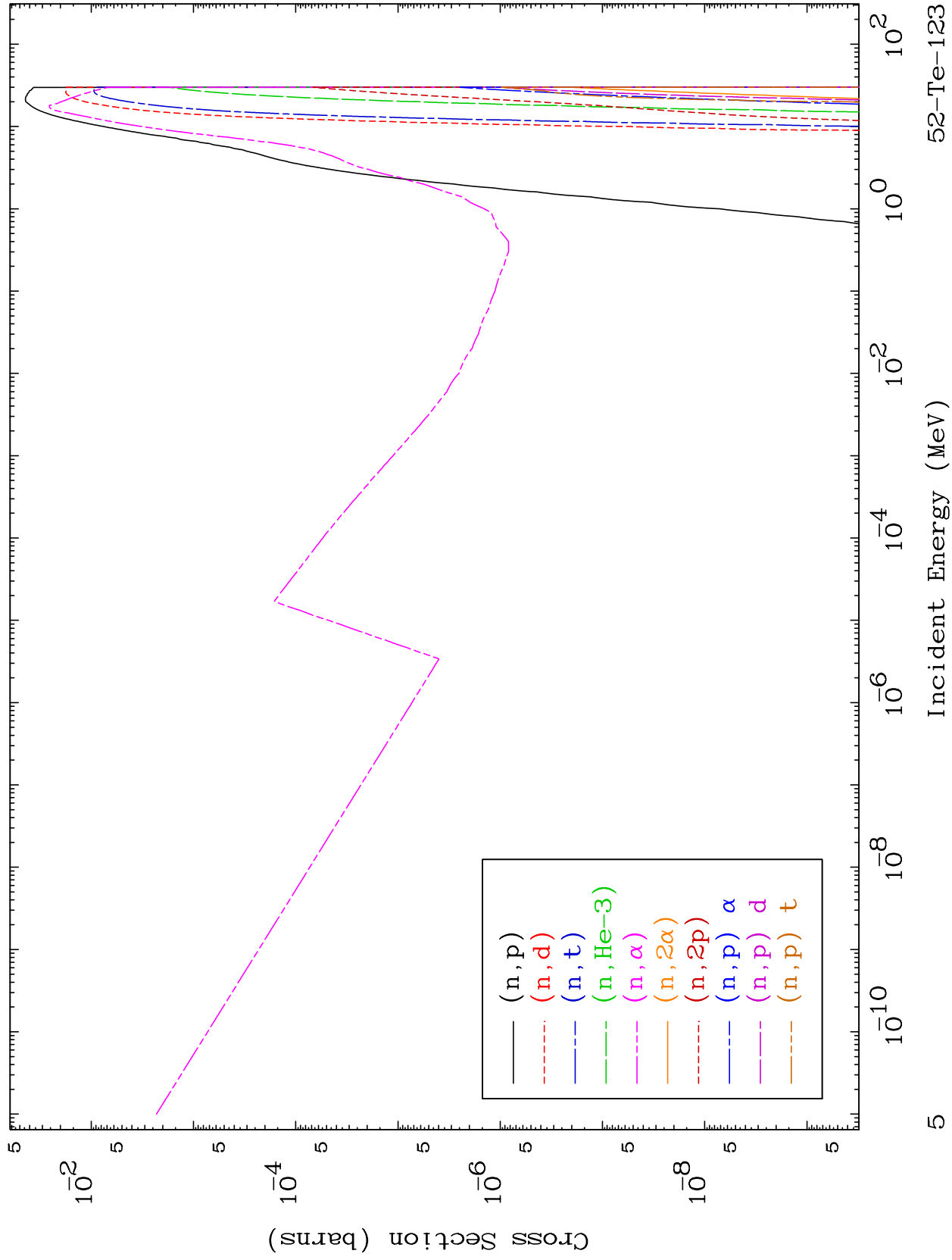




MAT 5234

293 Kelvin Cross Sections

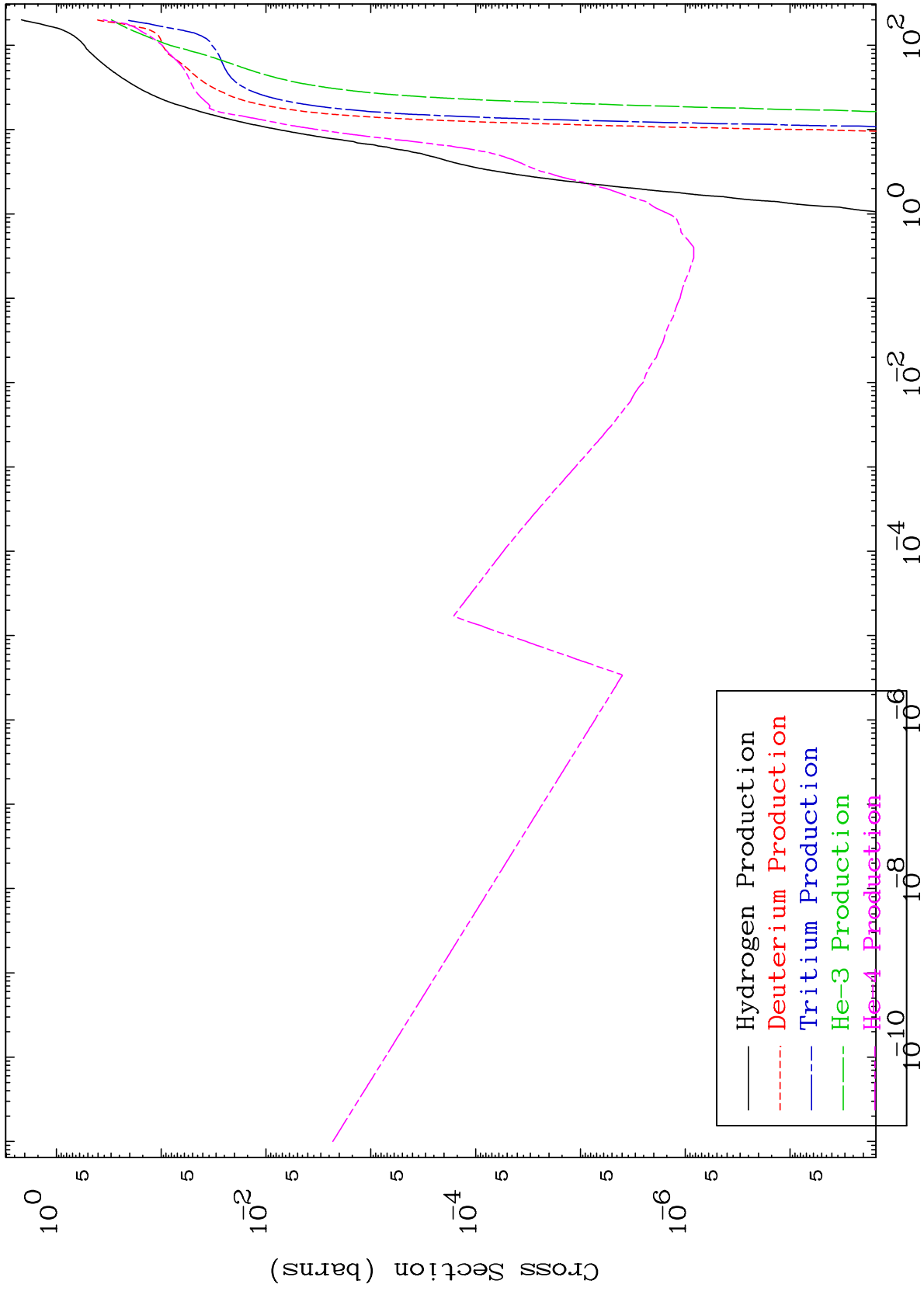
52-Te-123



MAT 5234

Particle Production  
293 Kelvin Cross Sections

52-Te-123

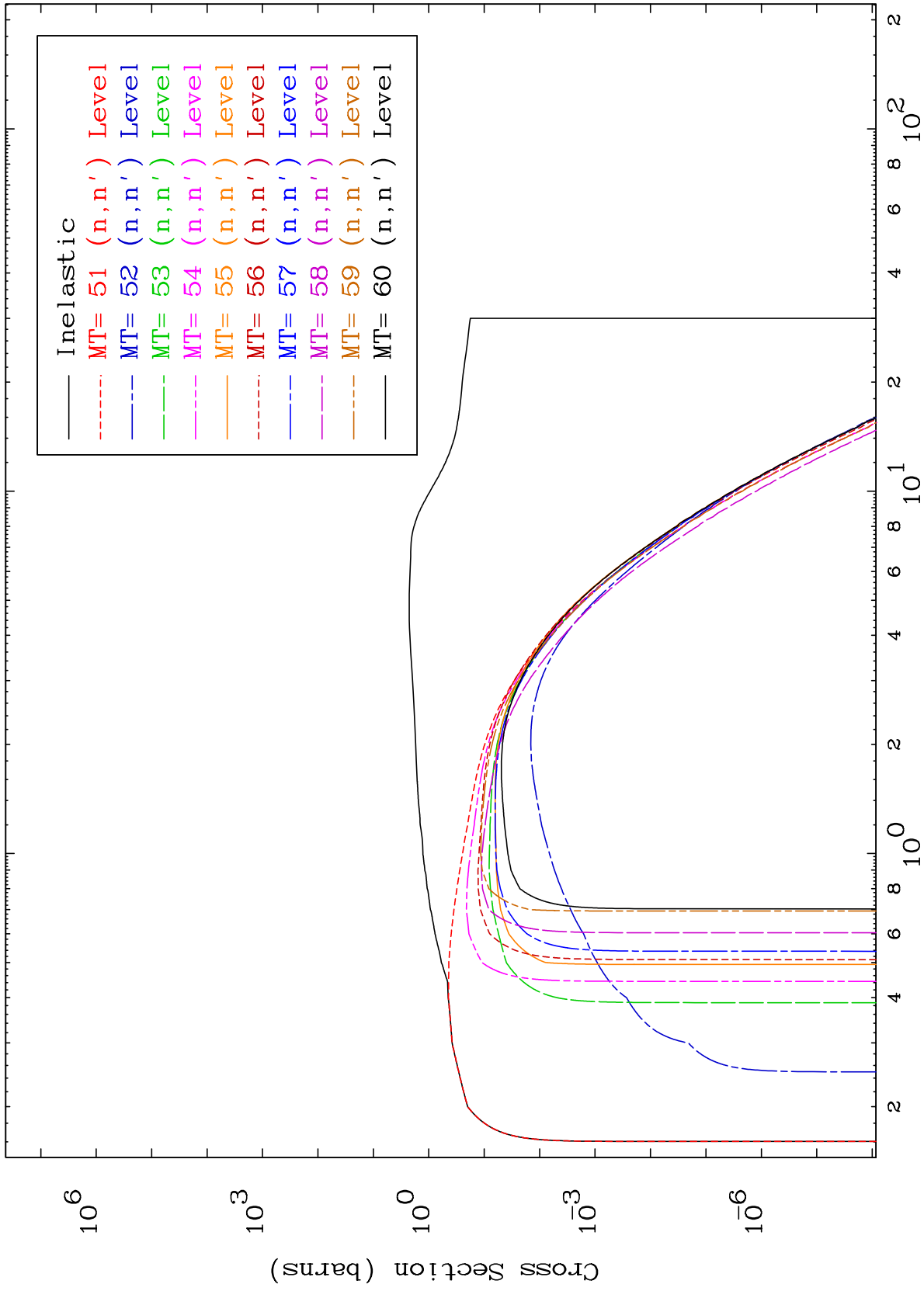


MAT 5234

(n,n') Level

52-Te-123

293 Kelvin Cross Sections

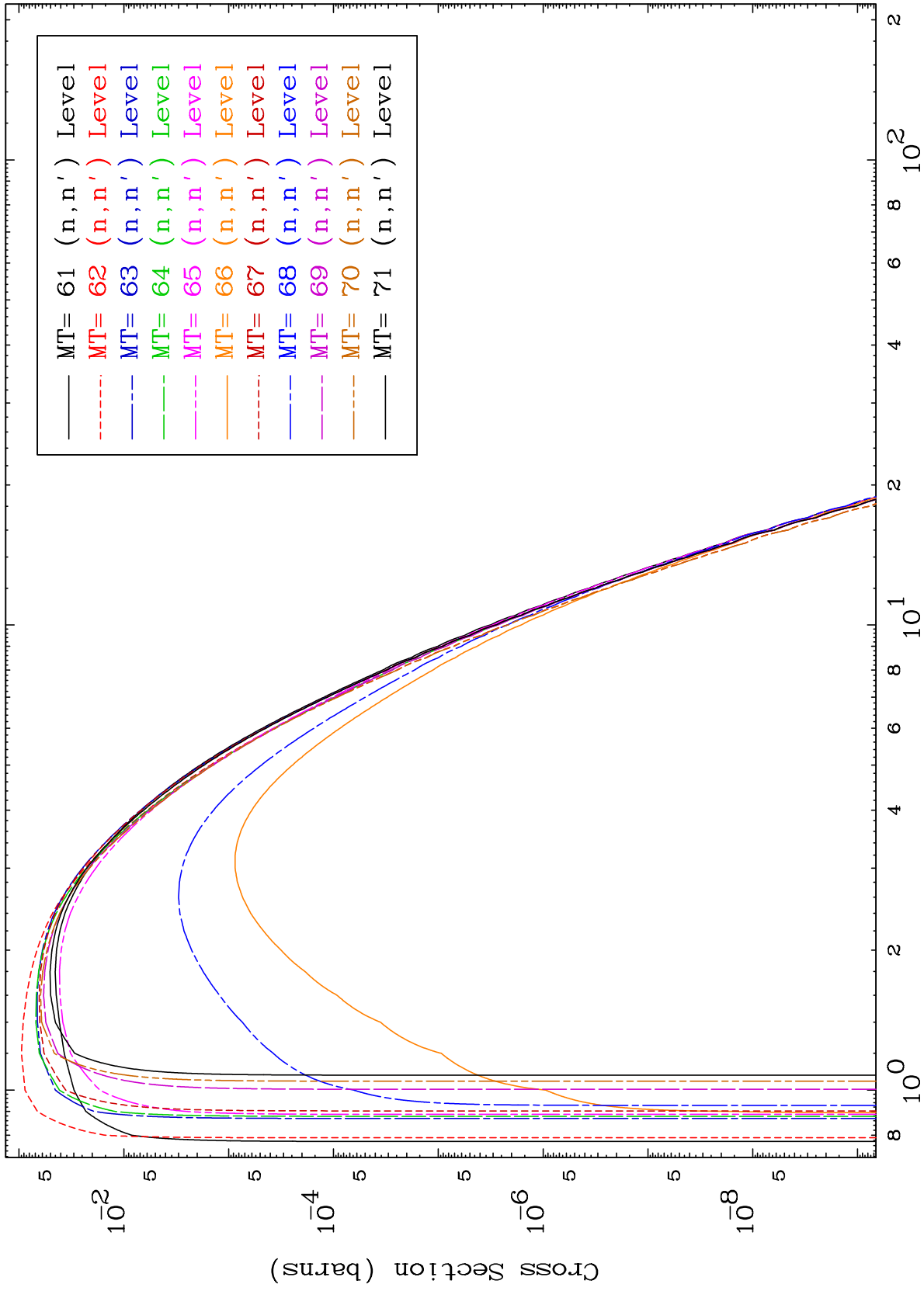


MAT 5234

(n,n') Level

52-Te-123

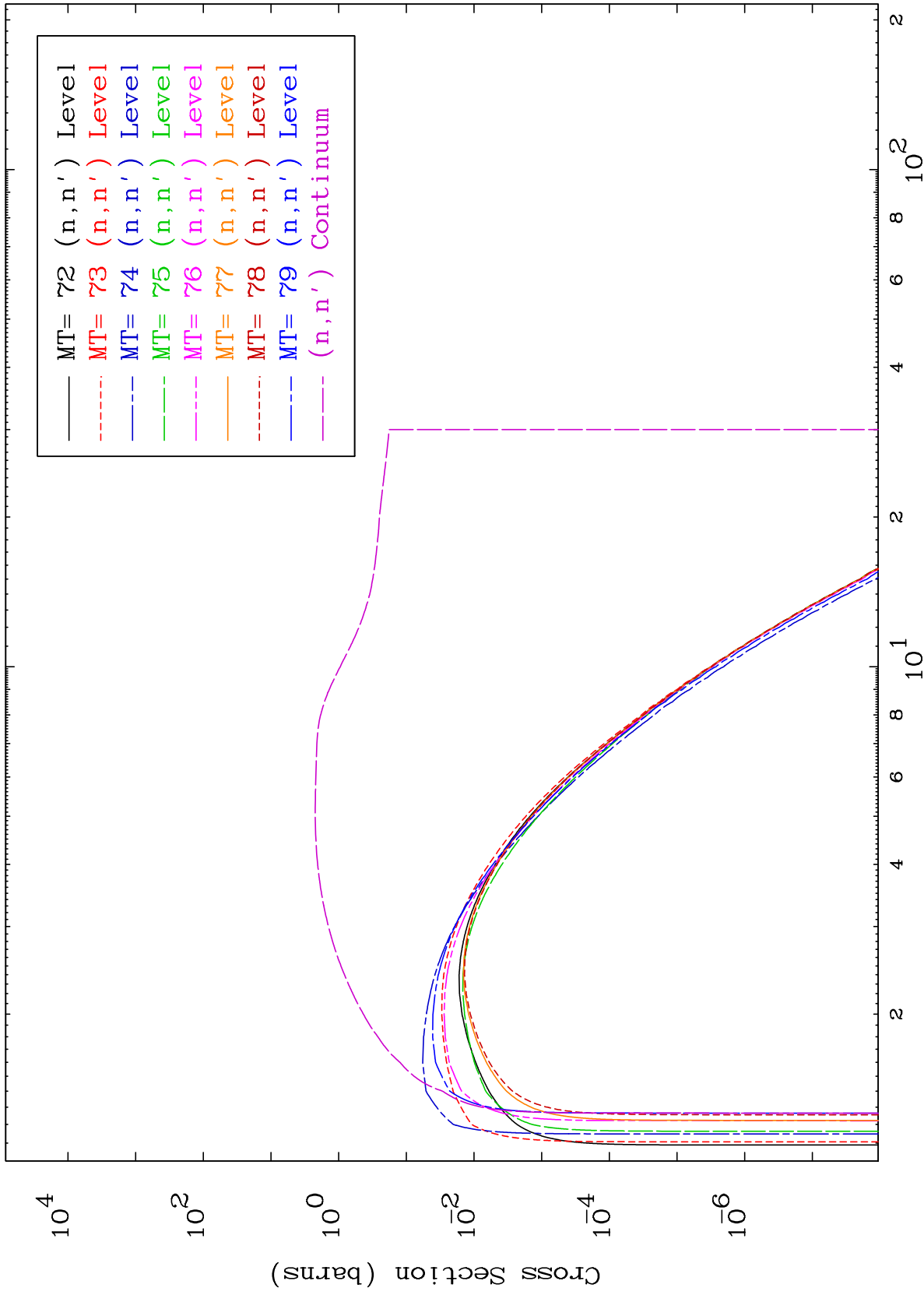
293 Kelvin Cross Sections



8

Incident Energy (MeV)

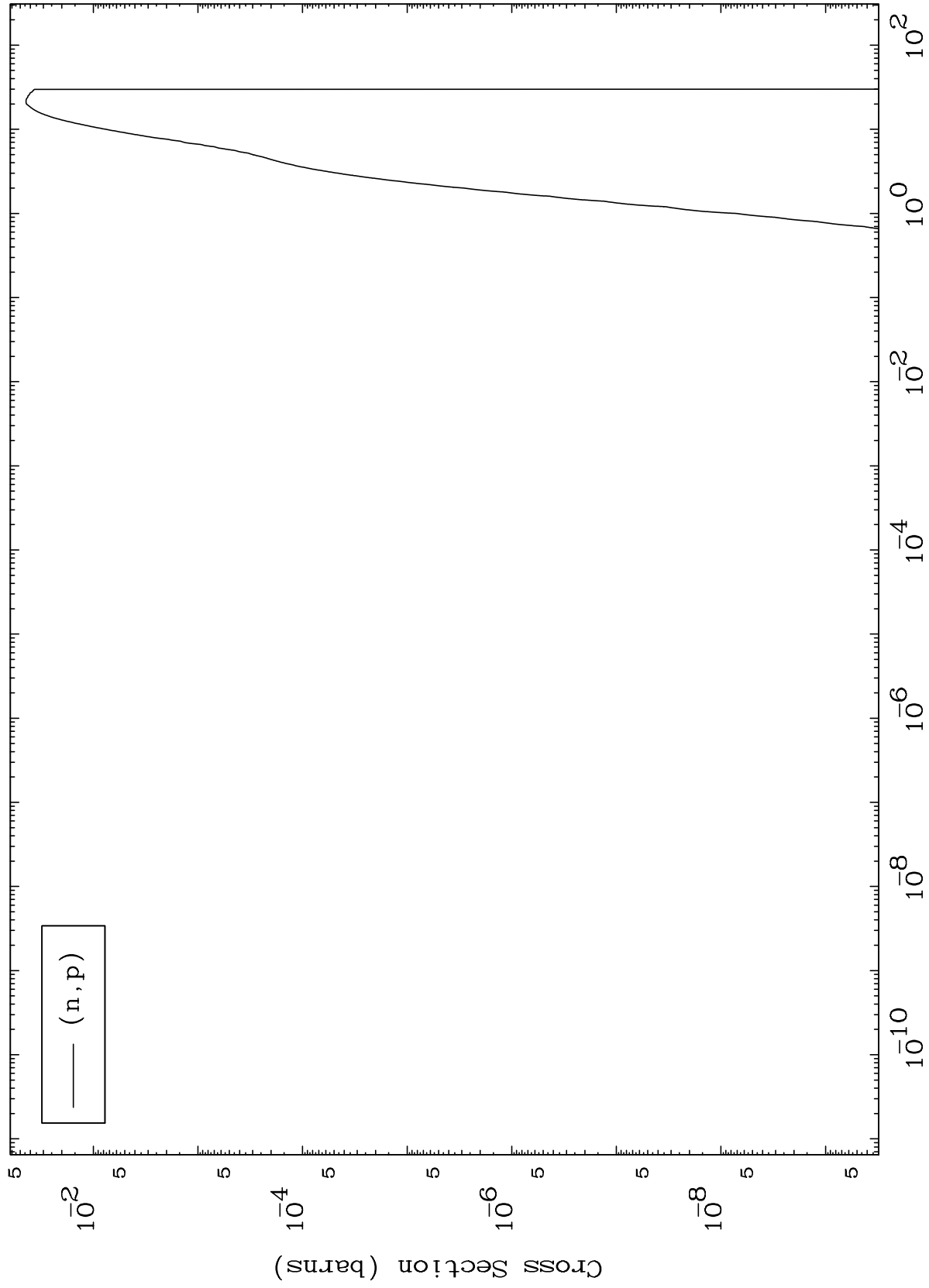
52-Te-123



MAT 5234

(n,p) Levels  
293 Kelvin Cross Sections

52-Te-123



10

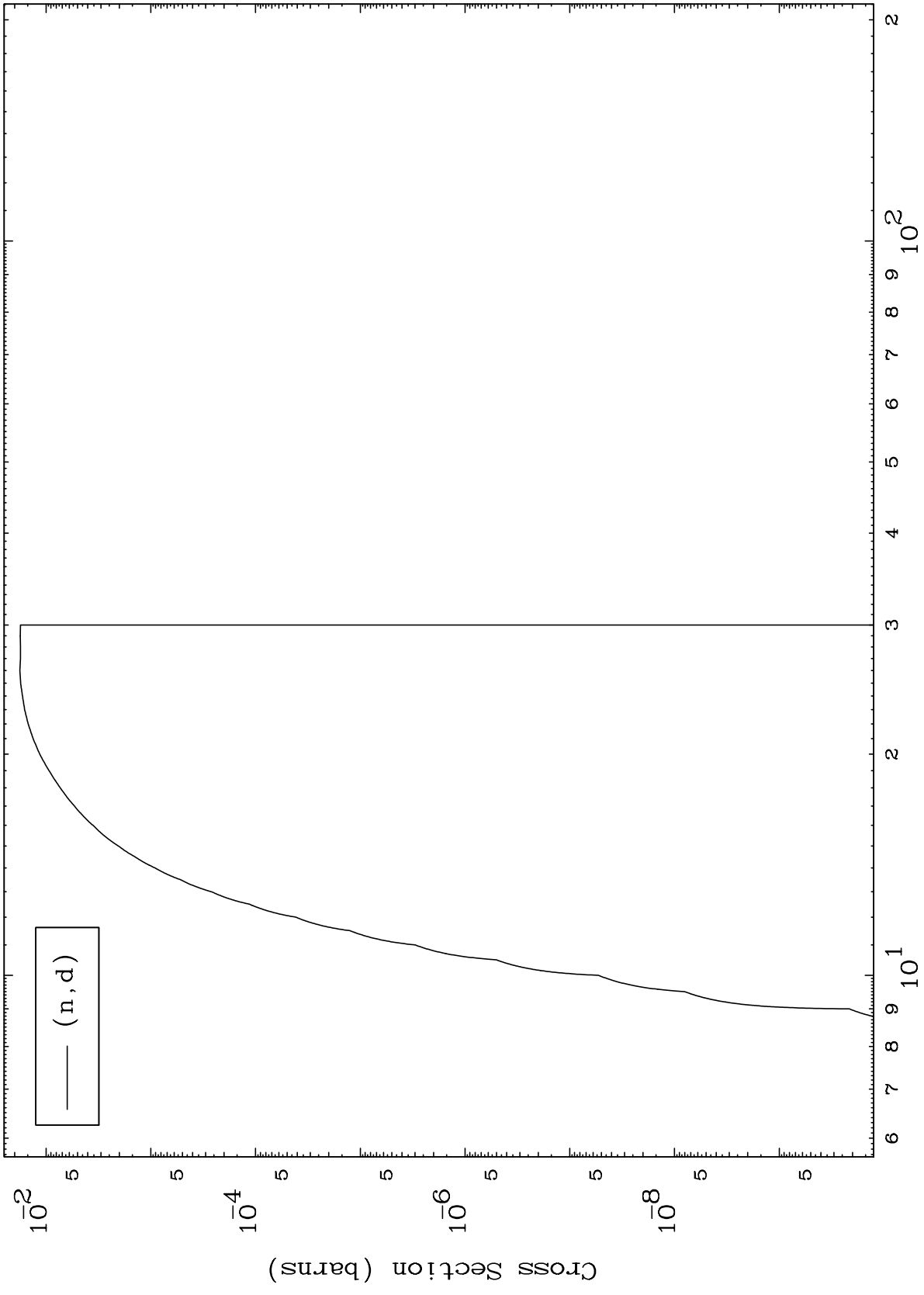
Incident Energy (MeV)

52-Te-123

MAT 5234

(n,d) Levels  
293 Kelvin Cross Sections

52-Te-123



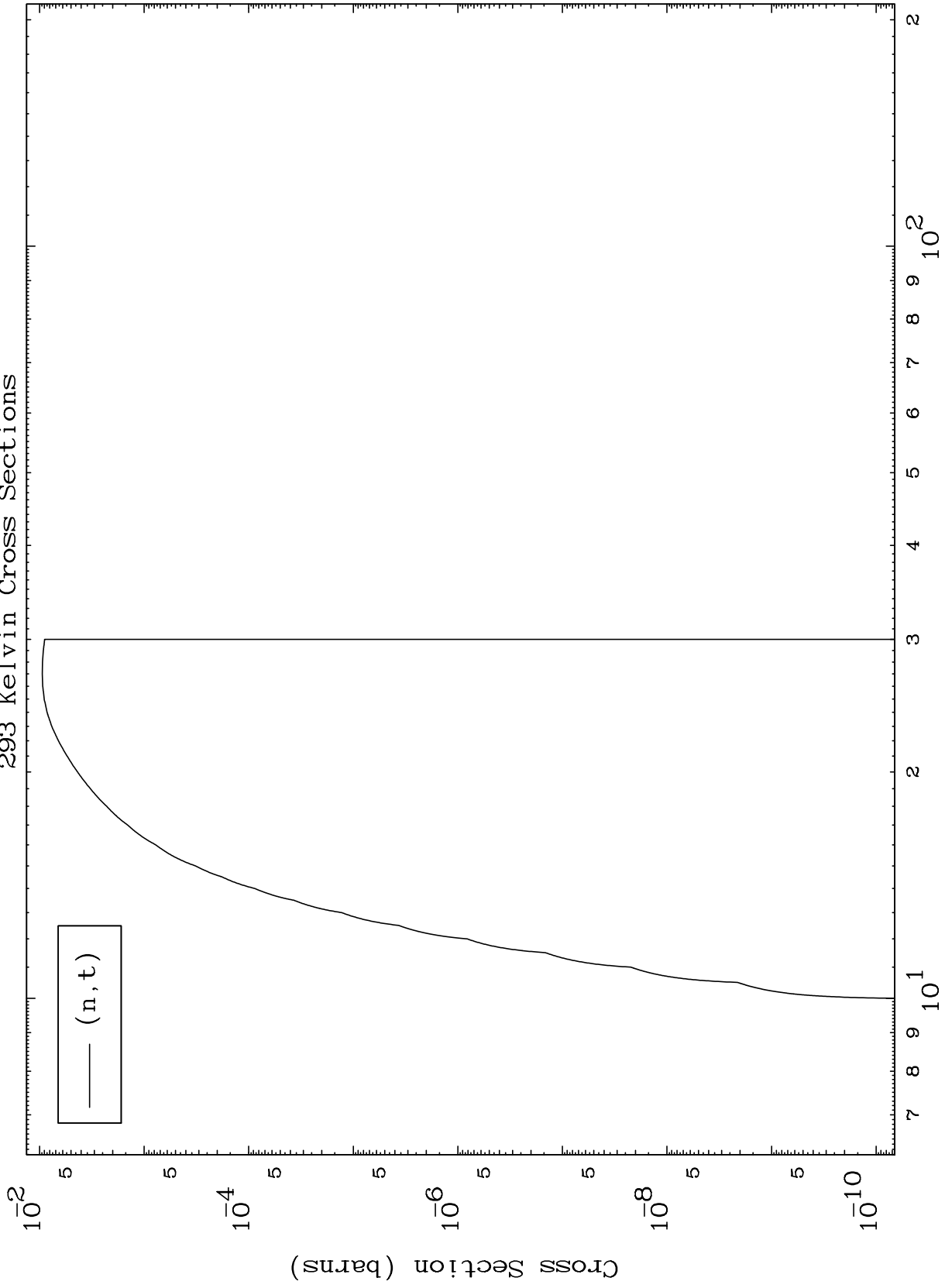
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52-Te-123

MAT 5234

(n,t) Levels  
293 Kelvin Cross Sections

52-Te-123



12

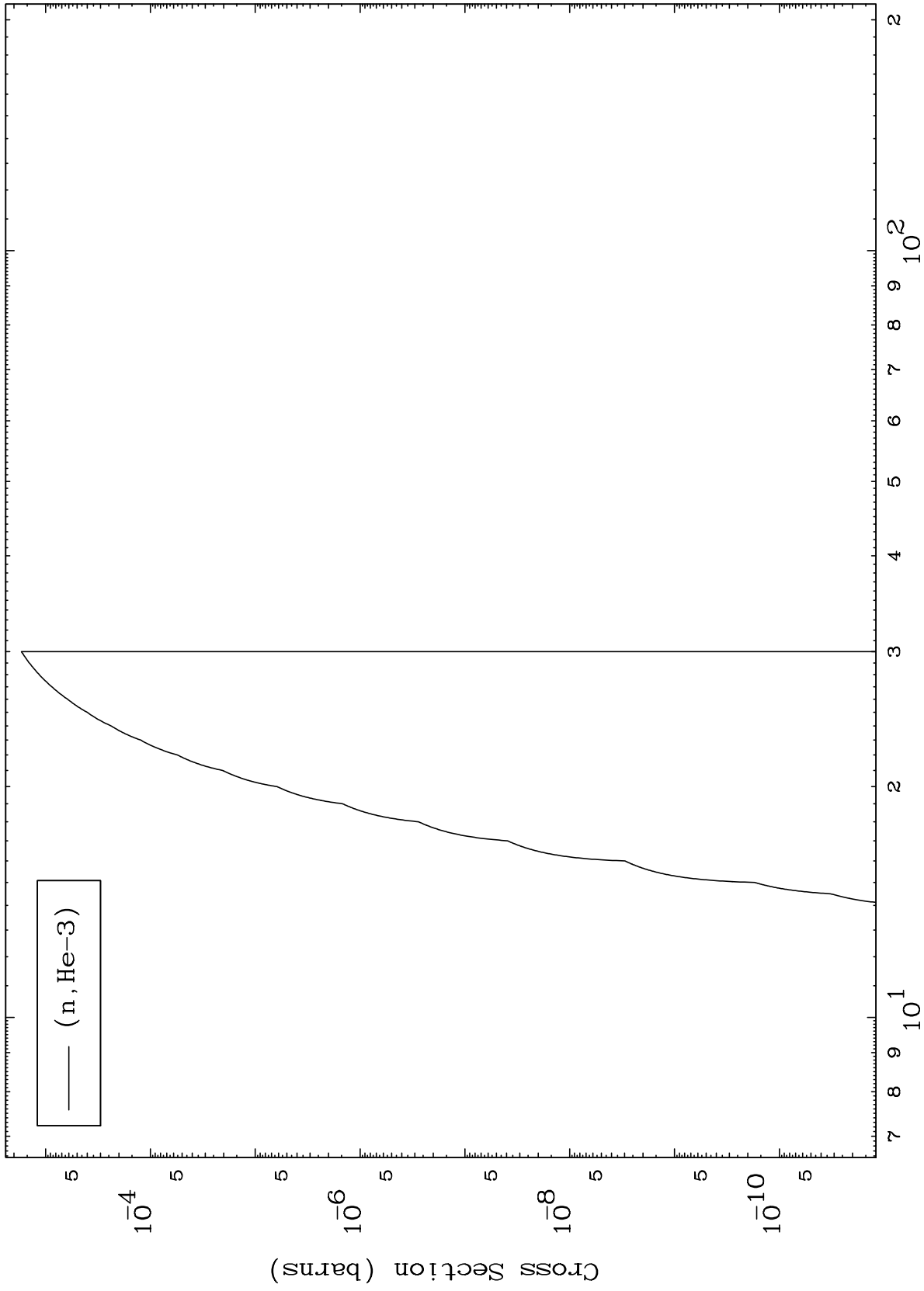
Incident Energy (MeV)

52-Te-123

MAT 5234

(n,He3) Levels  
293 Kelvin Cross Sections

52-Te-123



13

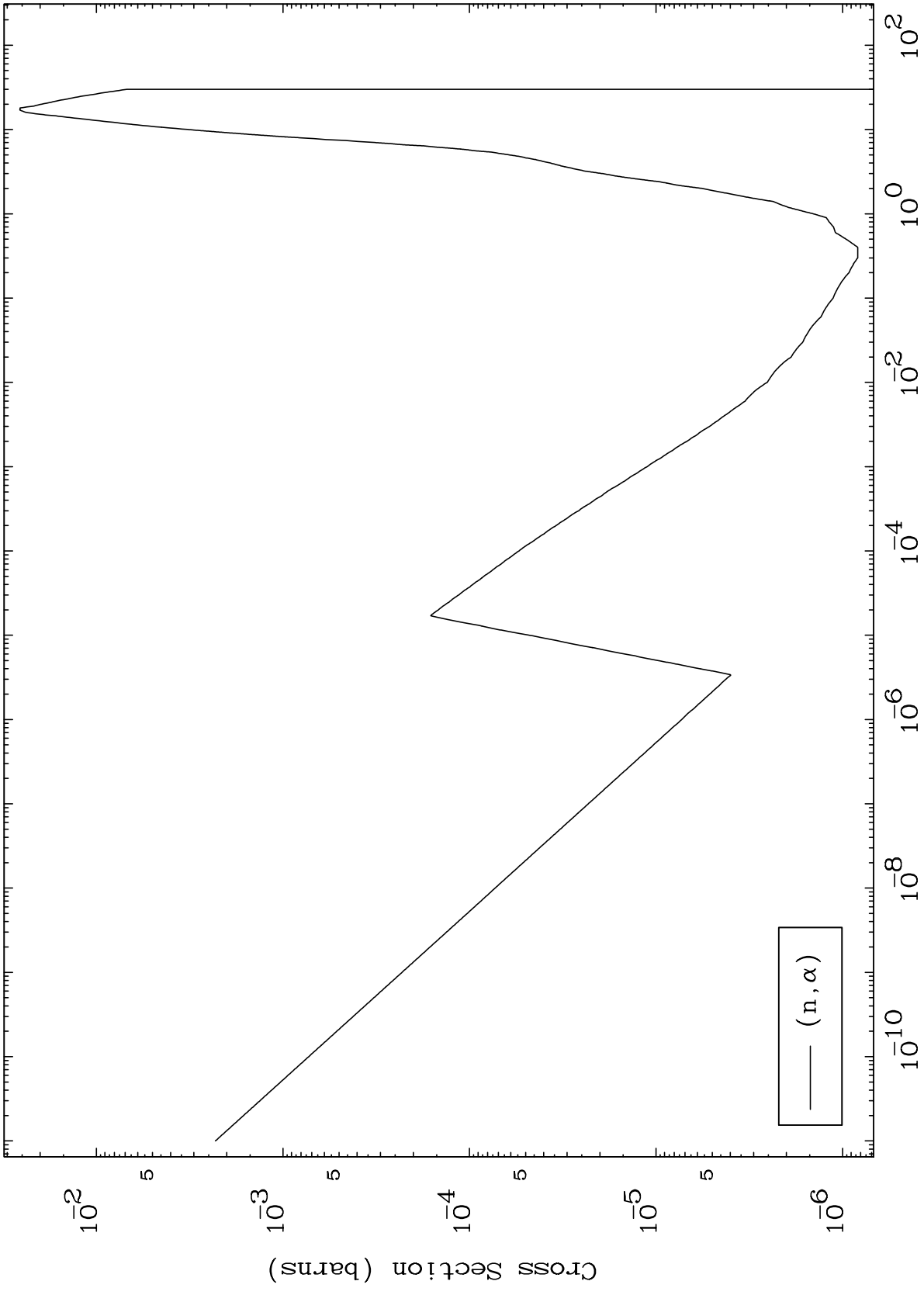
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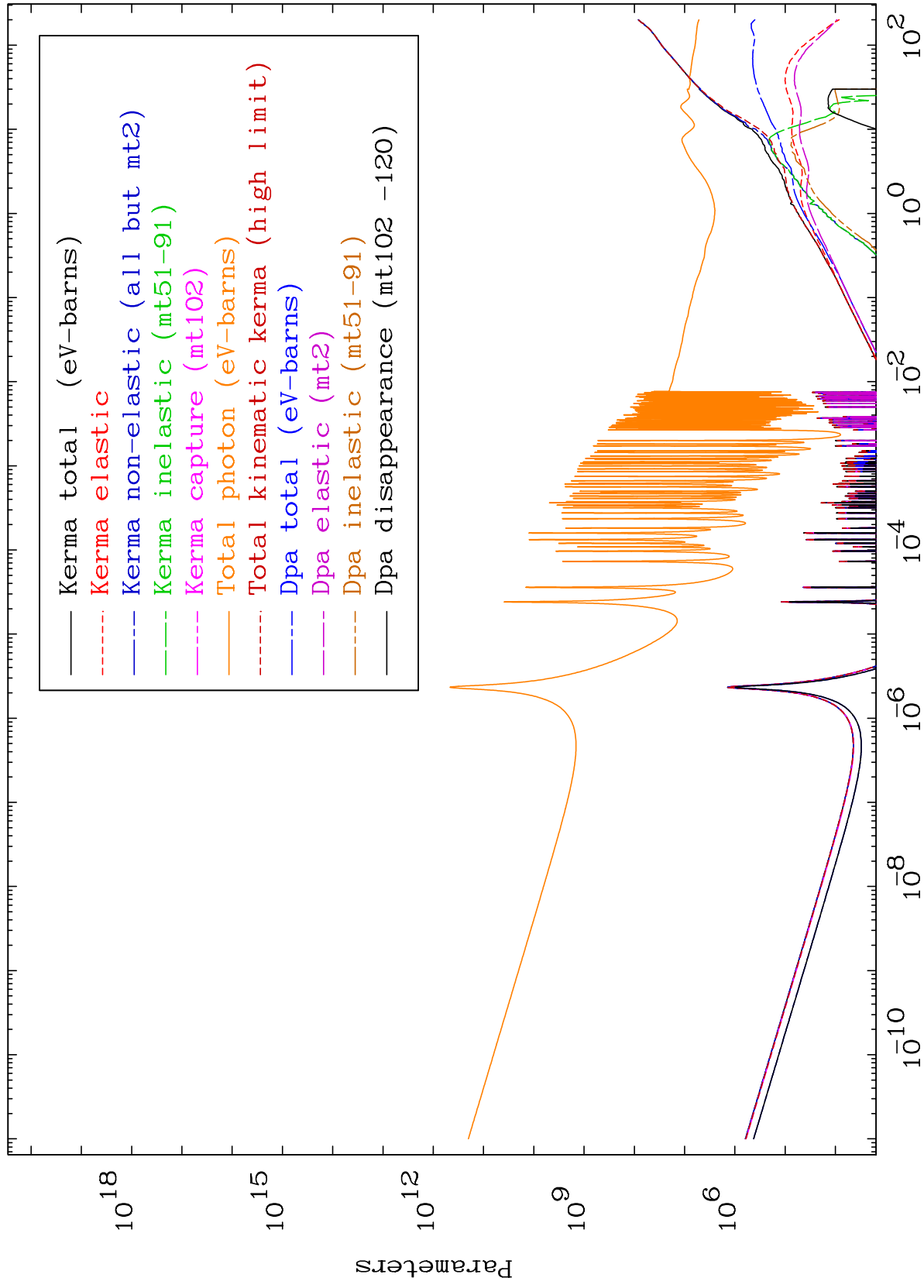
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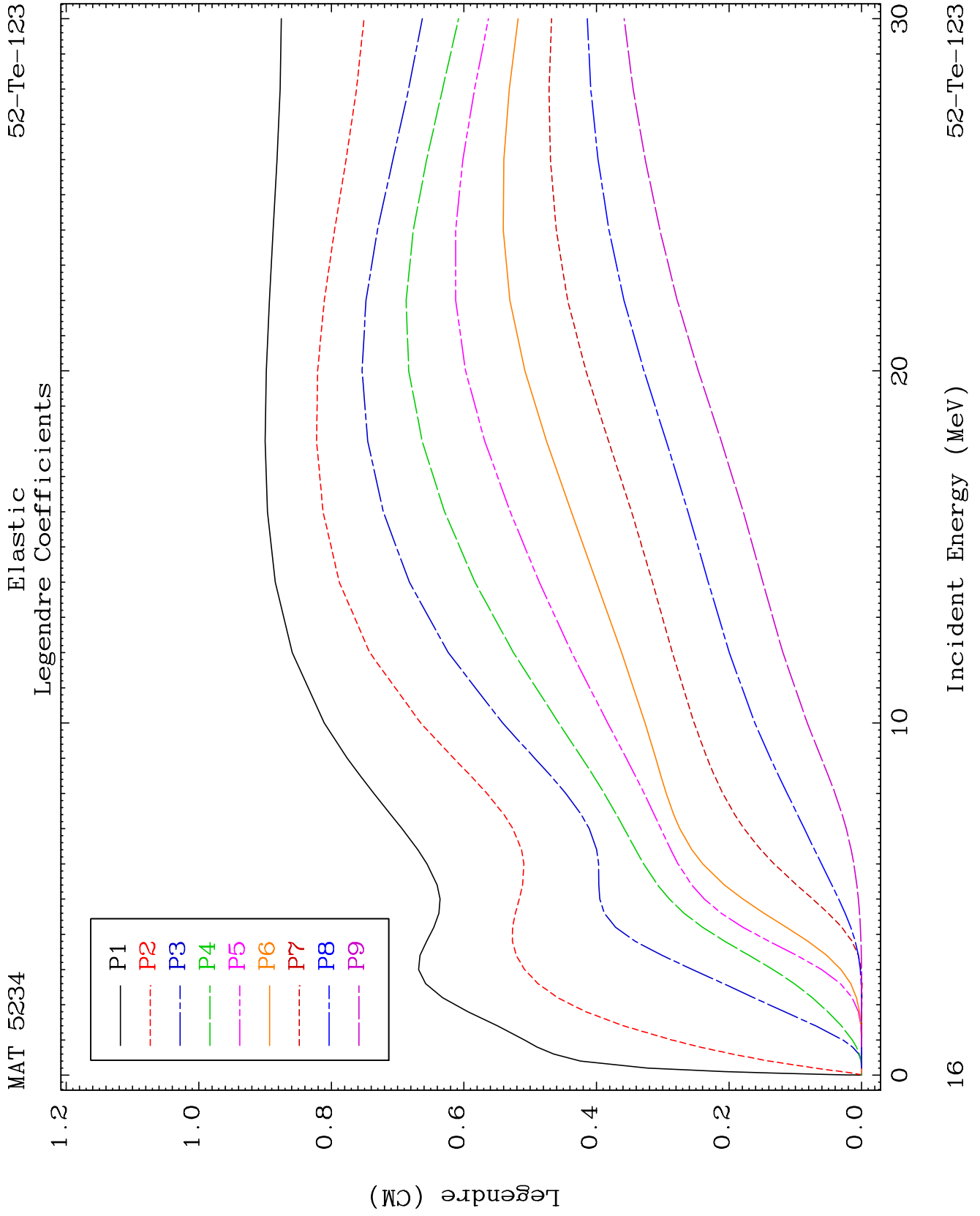
MAT 5234

(n,α) Levels  
293 Kelvin Cross Sections

52-Te-123



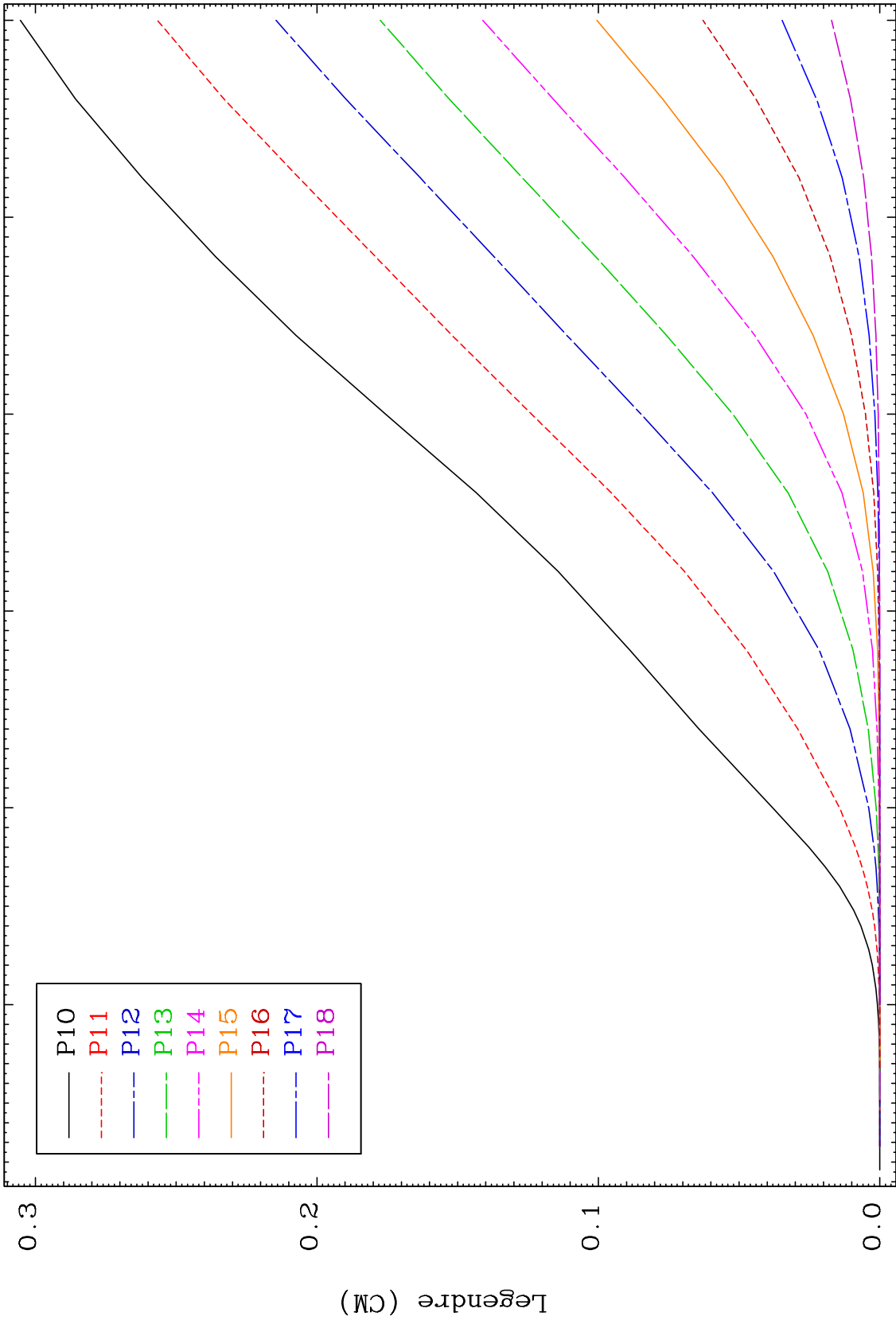




MAT 5234

Elastic Legendre Coefficients

52-Te-123



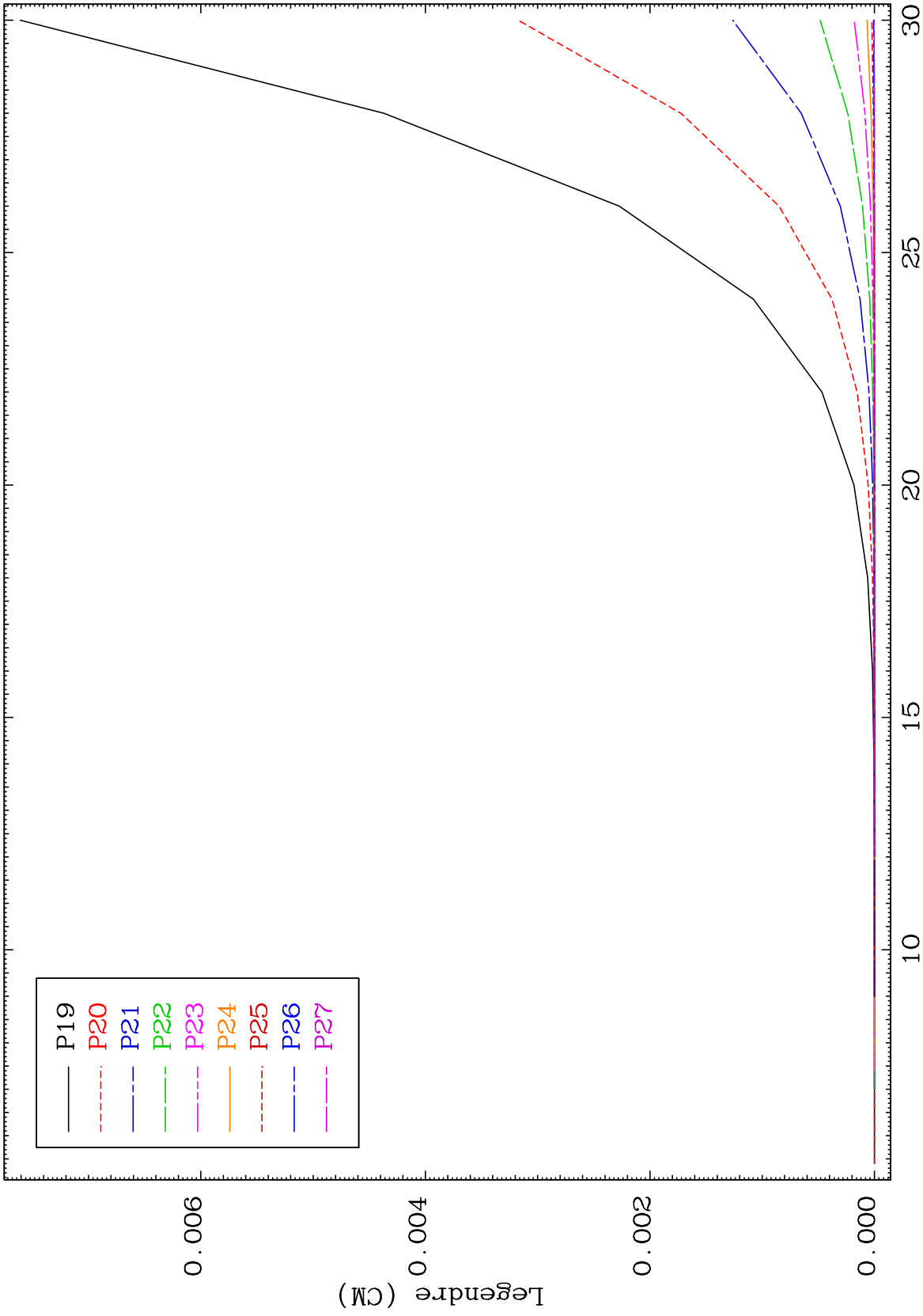
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52-Te-123

MAT 5234

### Elastic Legendre Coefficients

52-Te-123



18

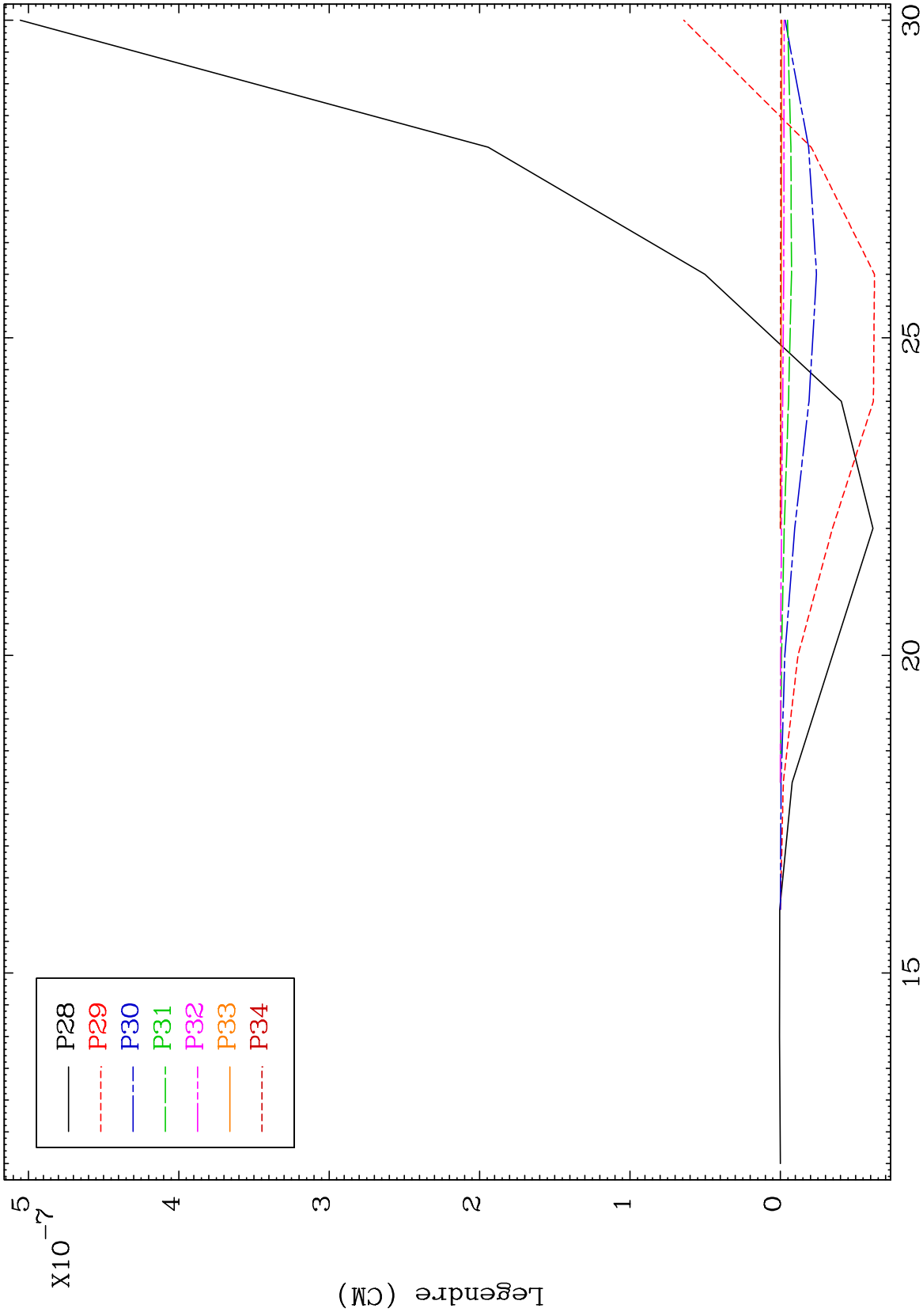
Incident Energy (MeV)

52-Te-123

MAT 5234

Elastic Legendre Coefficients

52-Te-123

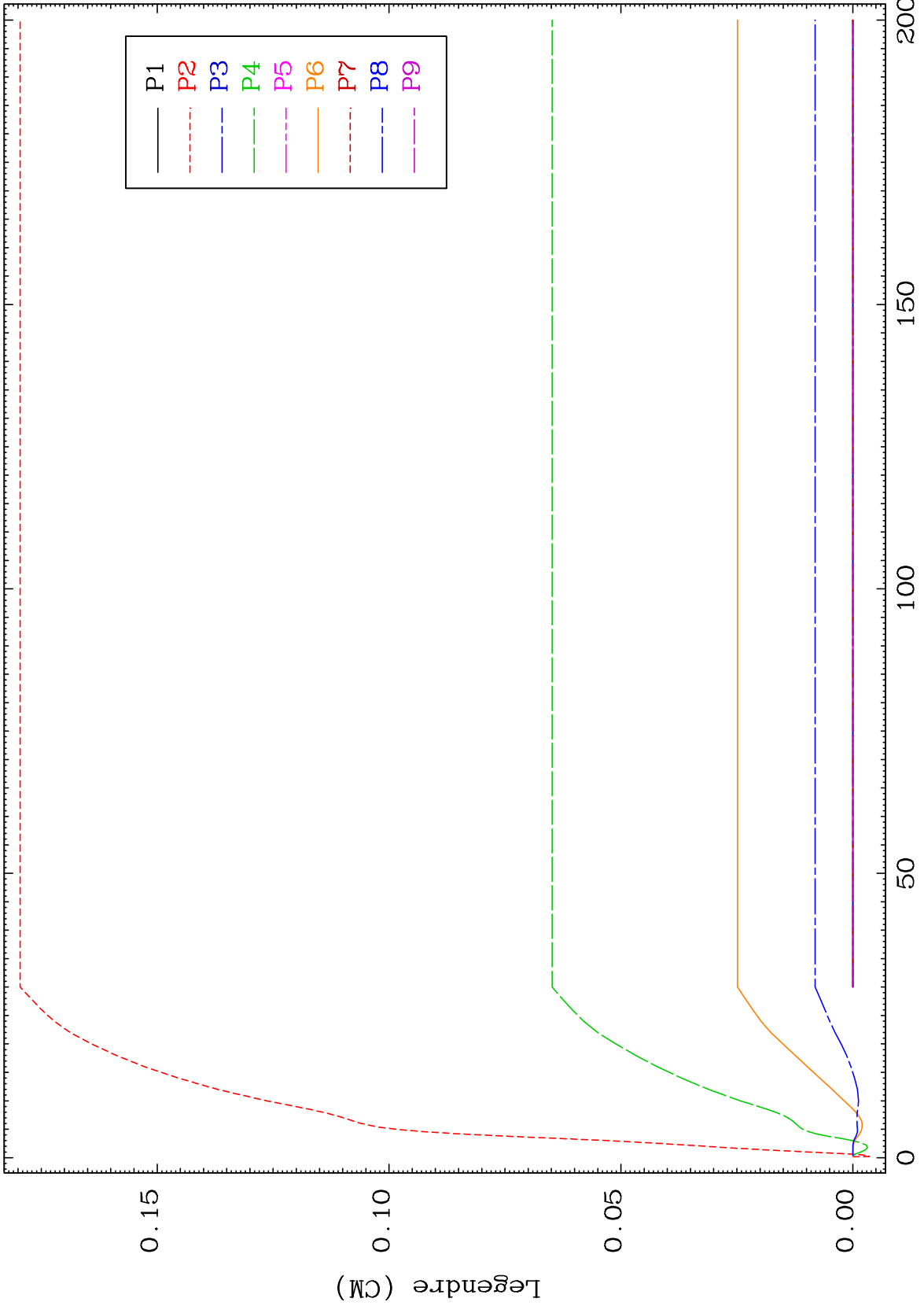


19

Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 51 (n,n') Level Legendre Coefficients 52-Te-123

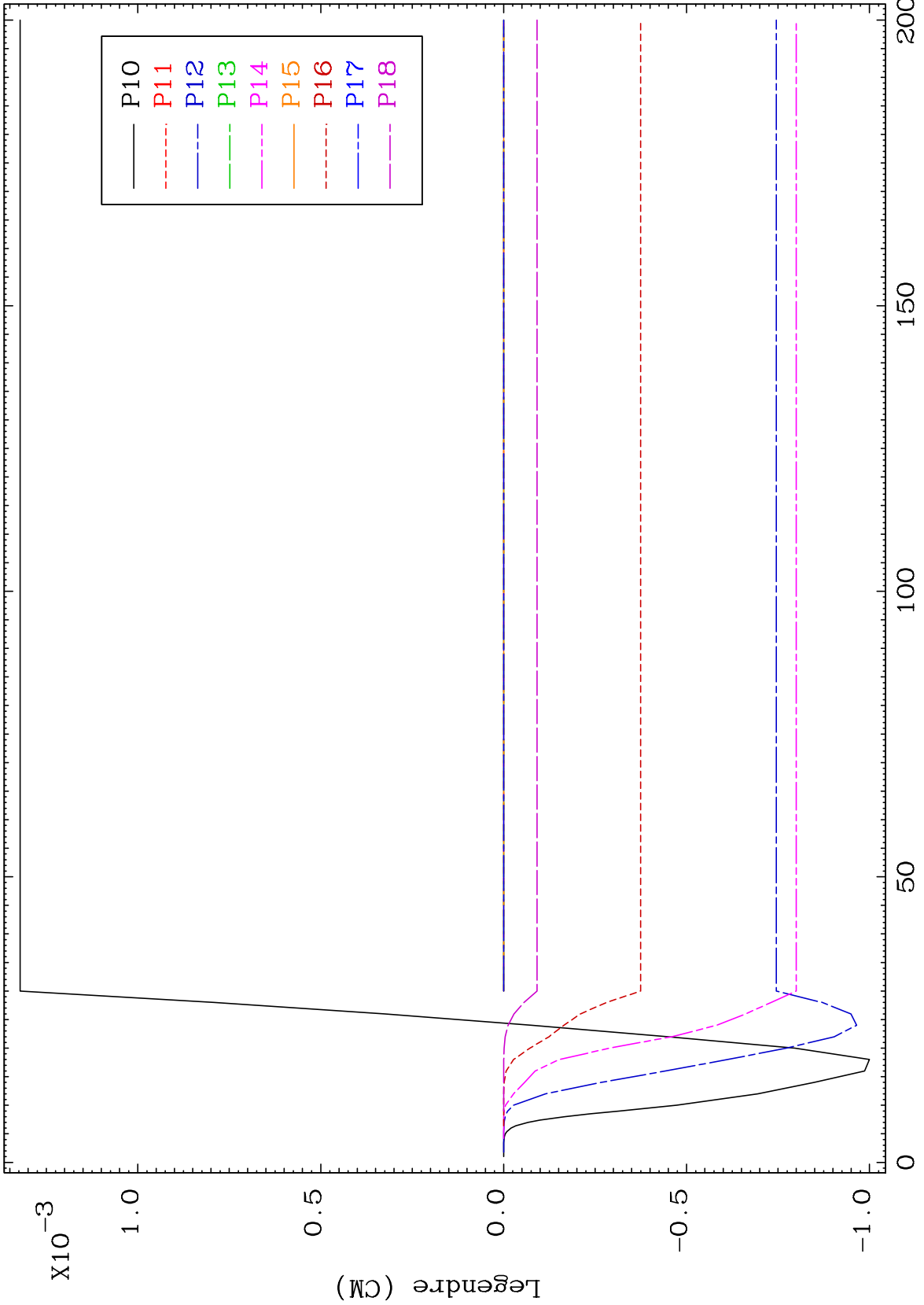


Legendre (CM) Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



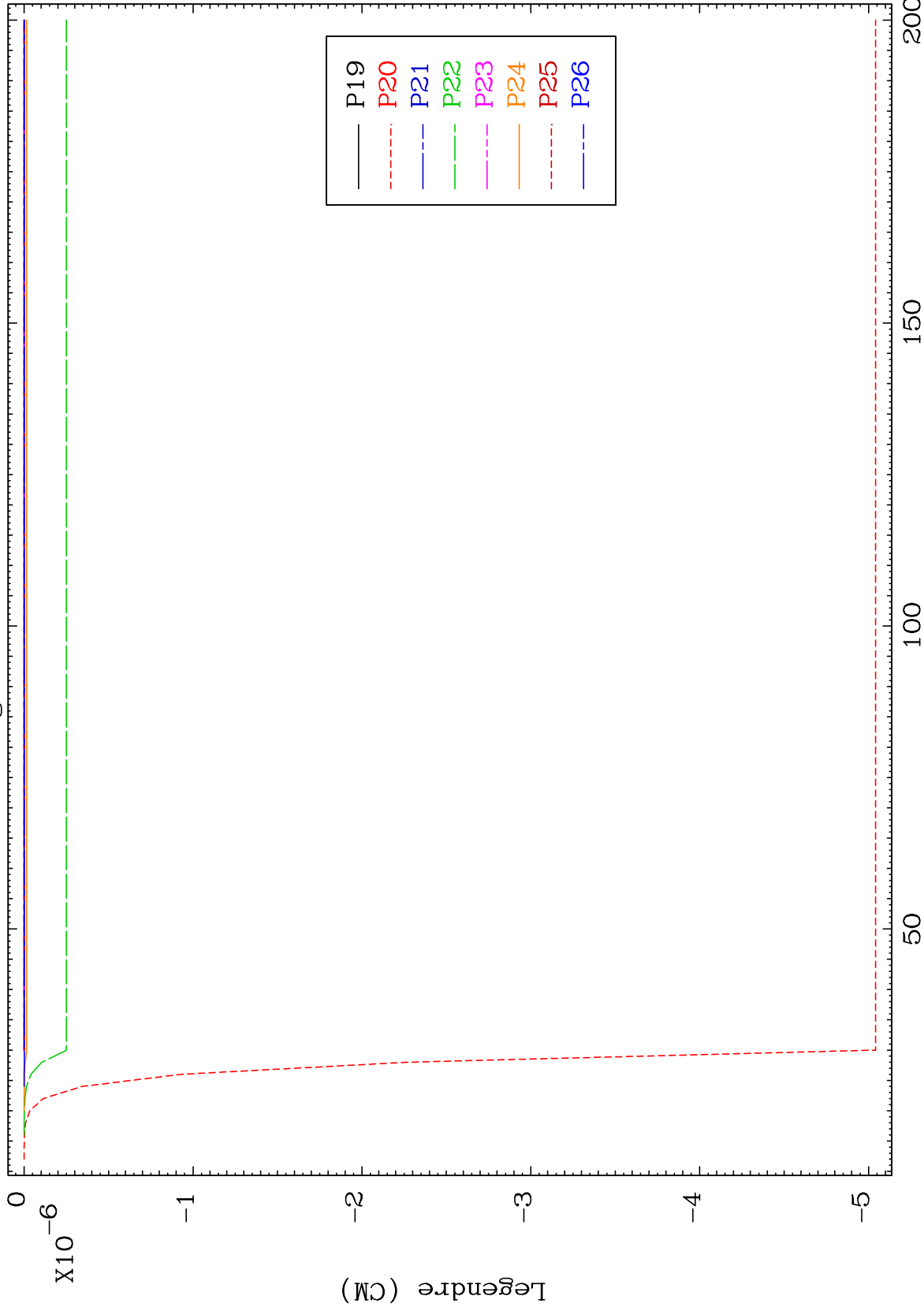
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52-Te-123

MAT 5234

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

52-Te-123



22

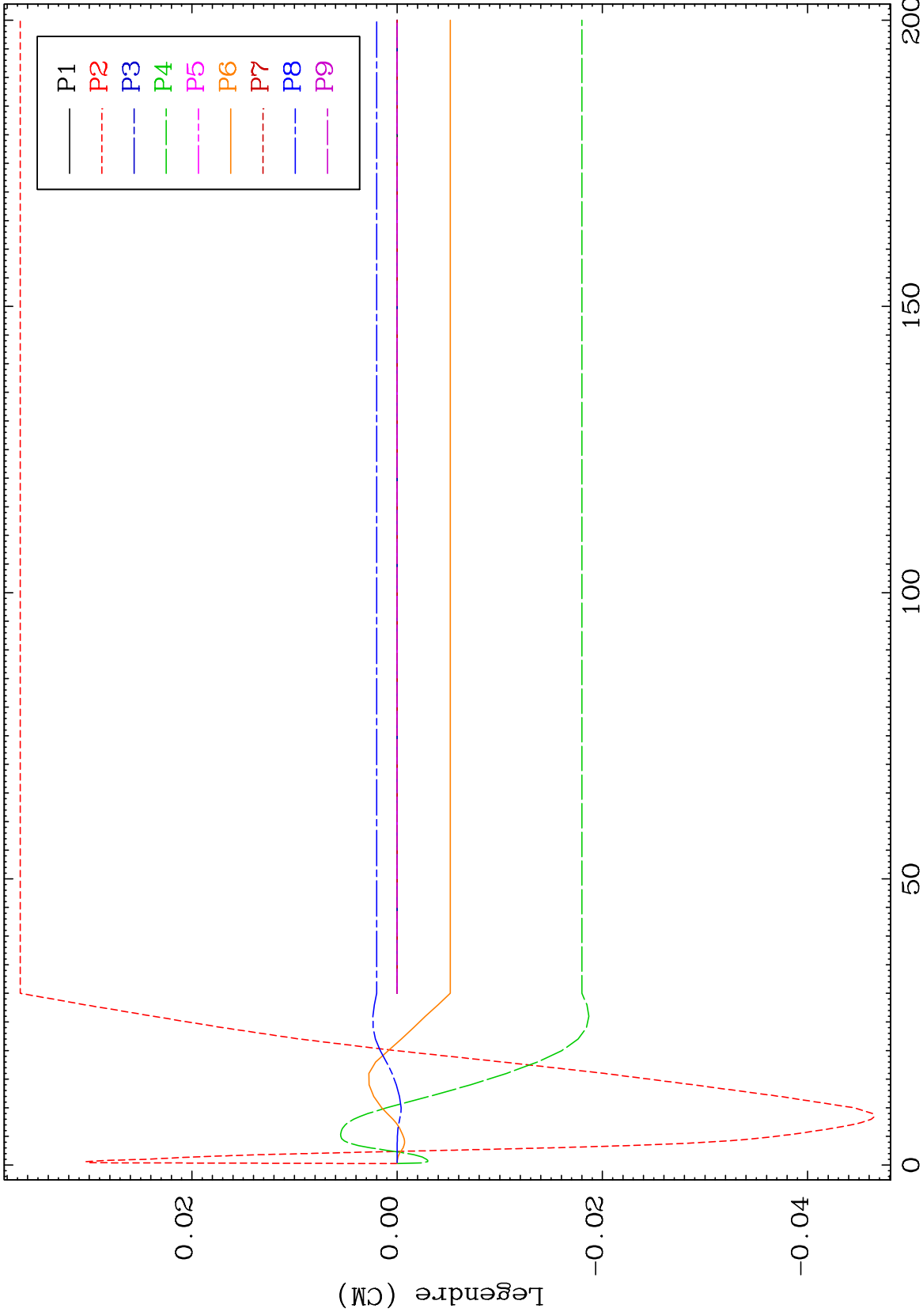
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



23

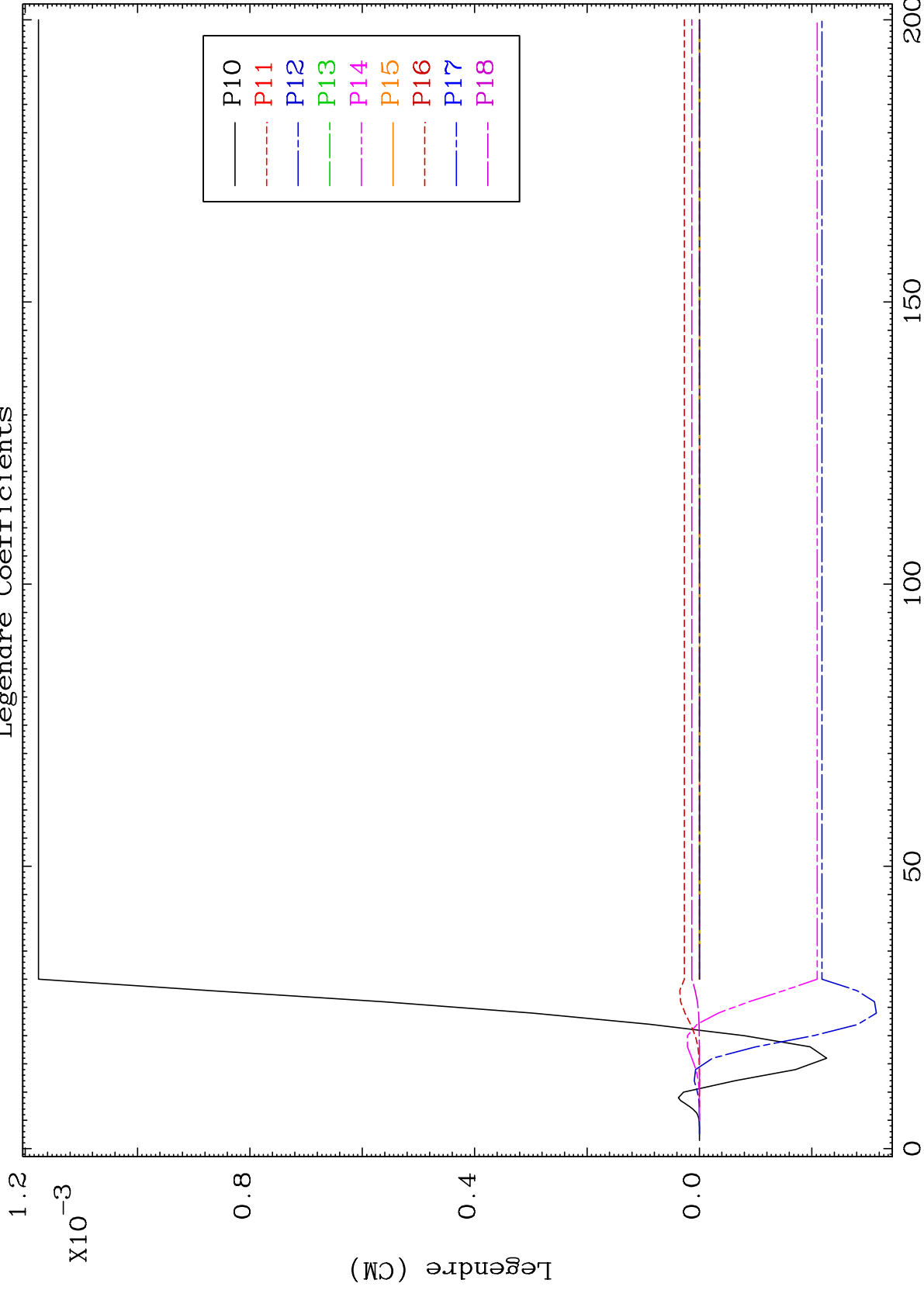
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



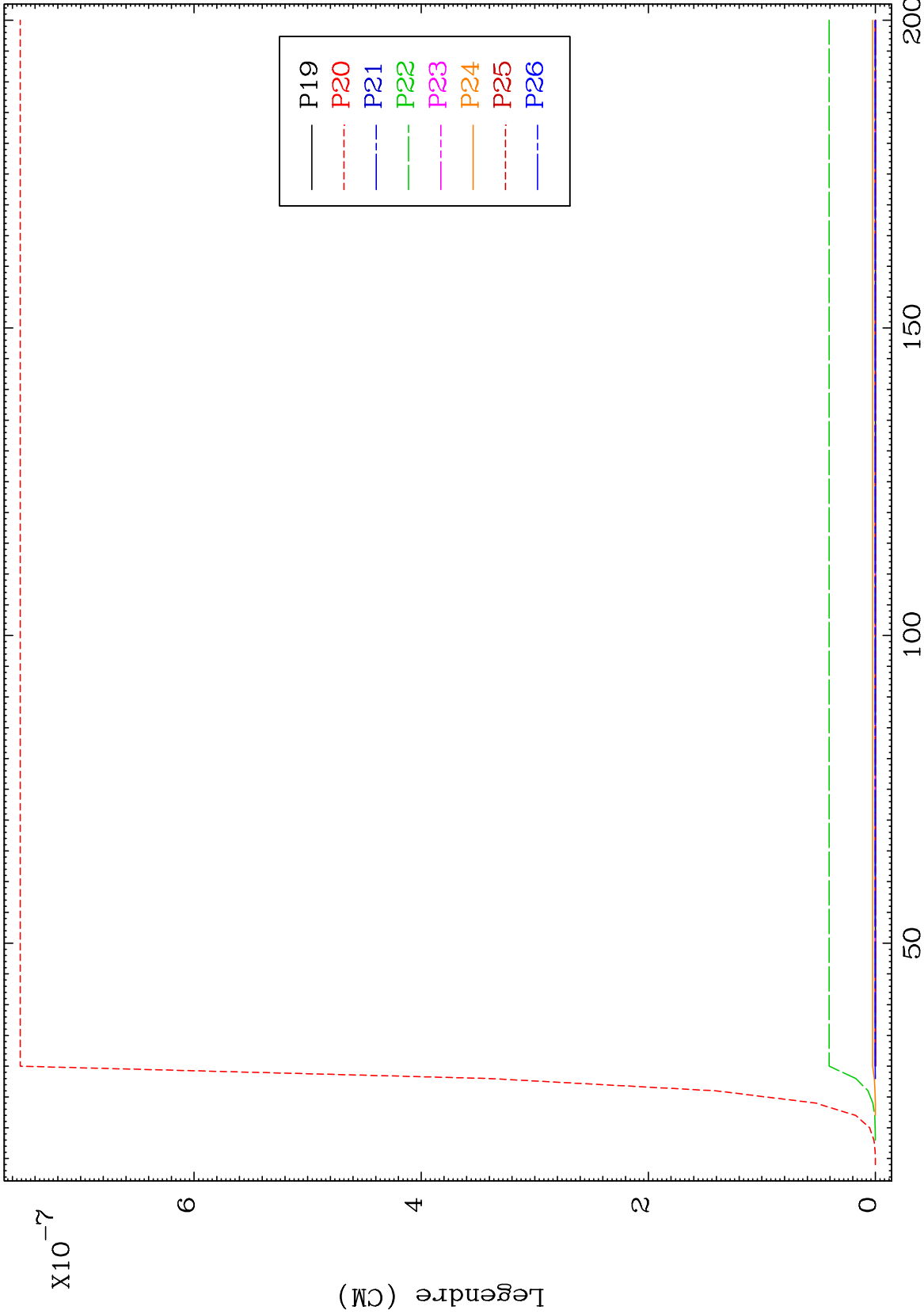
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52-Te-123

MAT 5234

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

52-Te-123



25

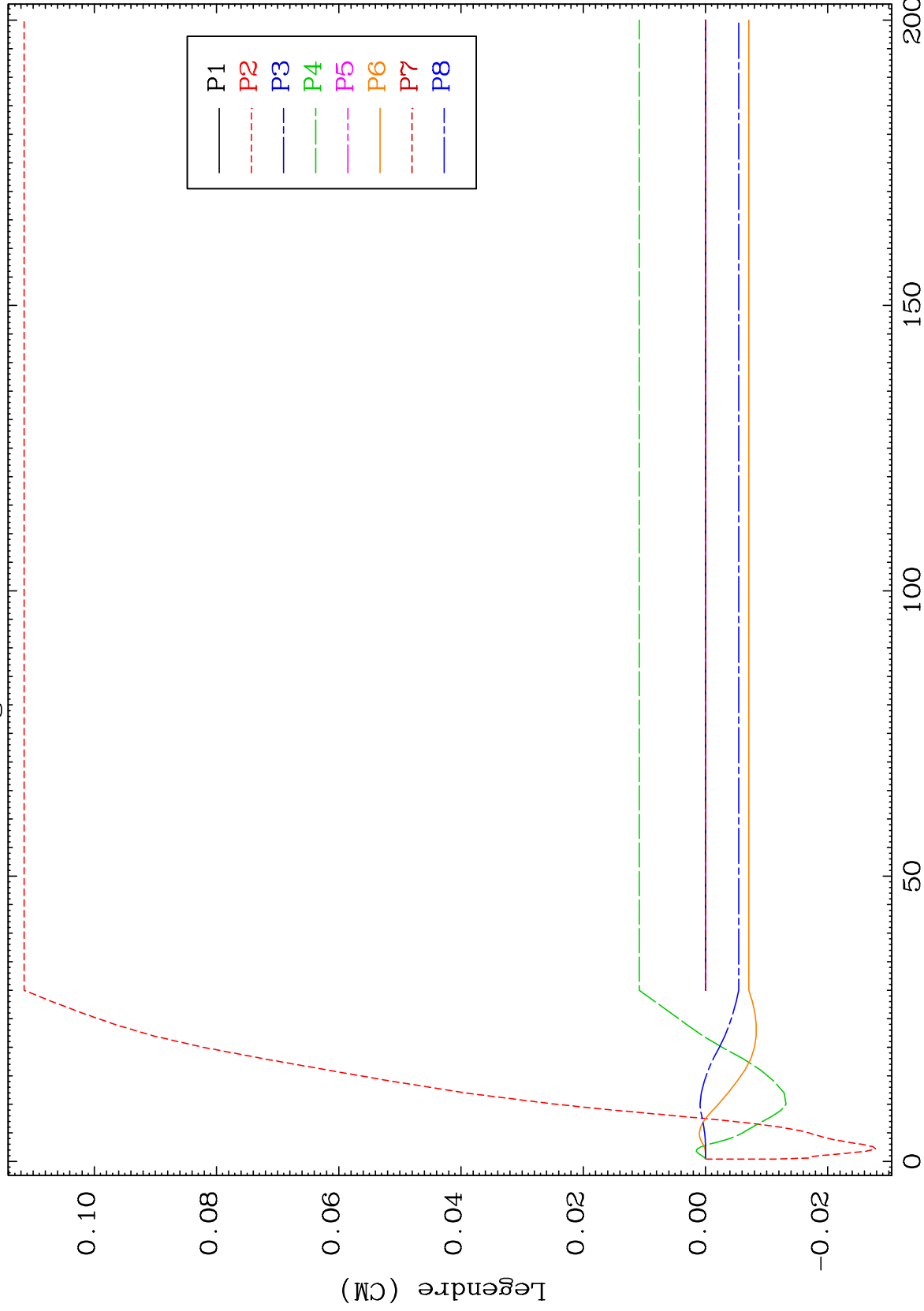
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



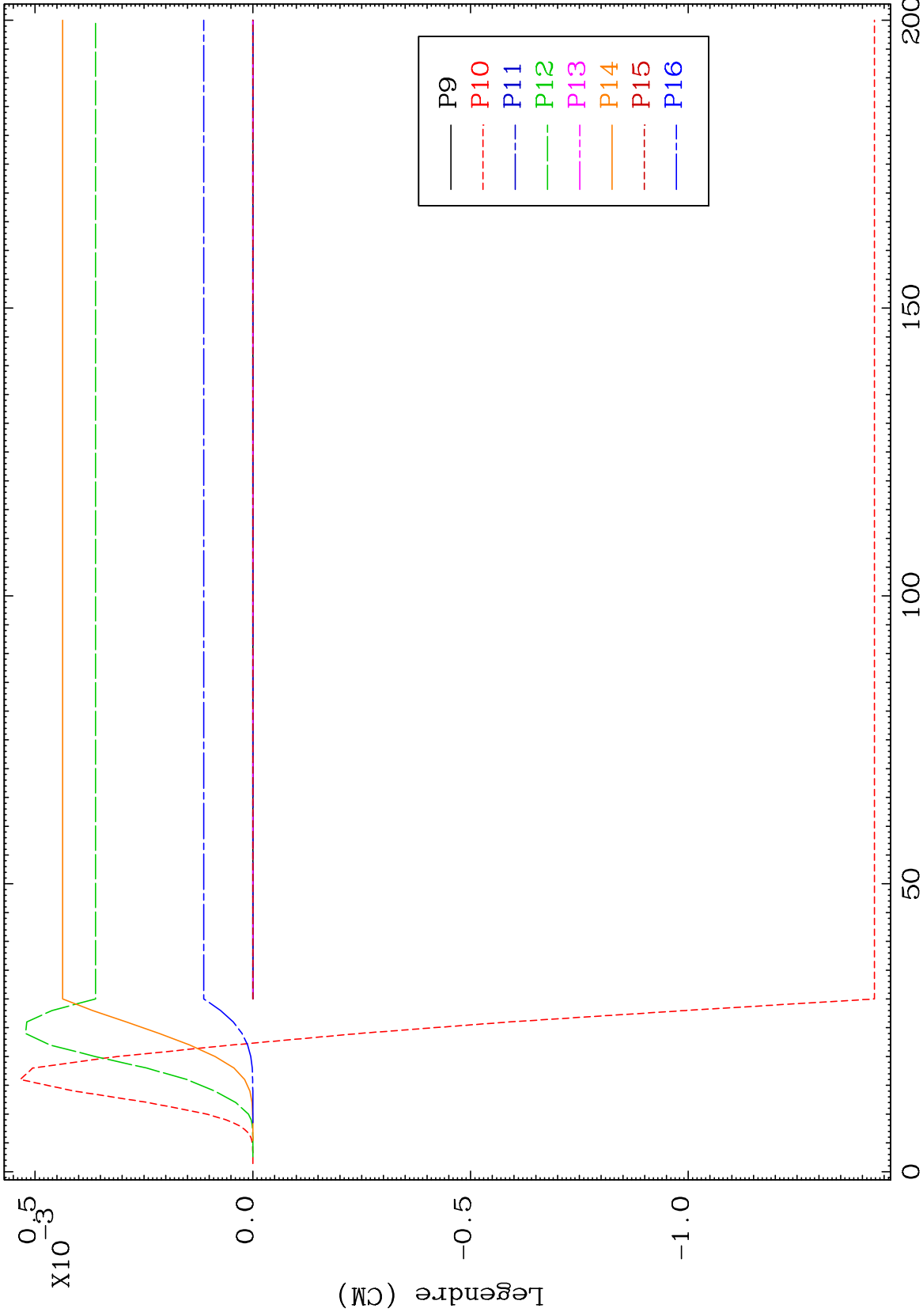
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52-Te-123

MAT 5234

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

52-Te-123



27

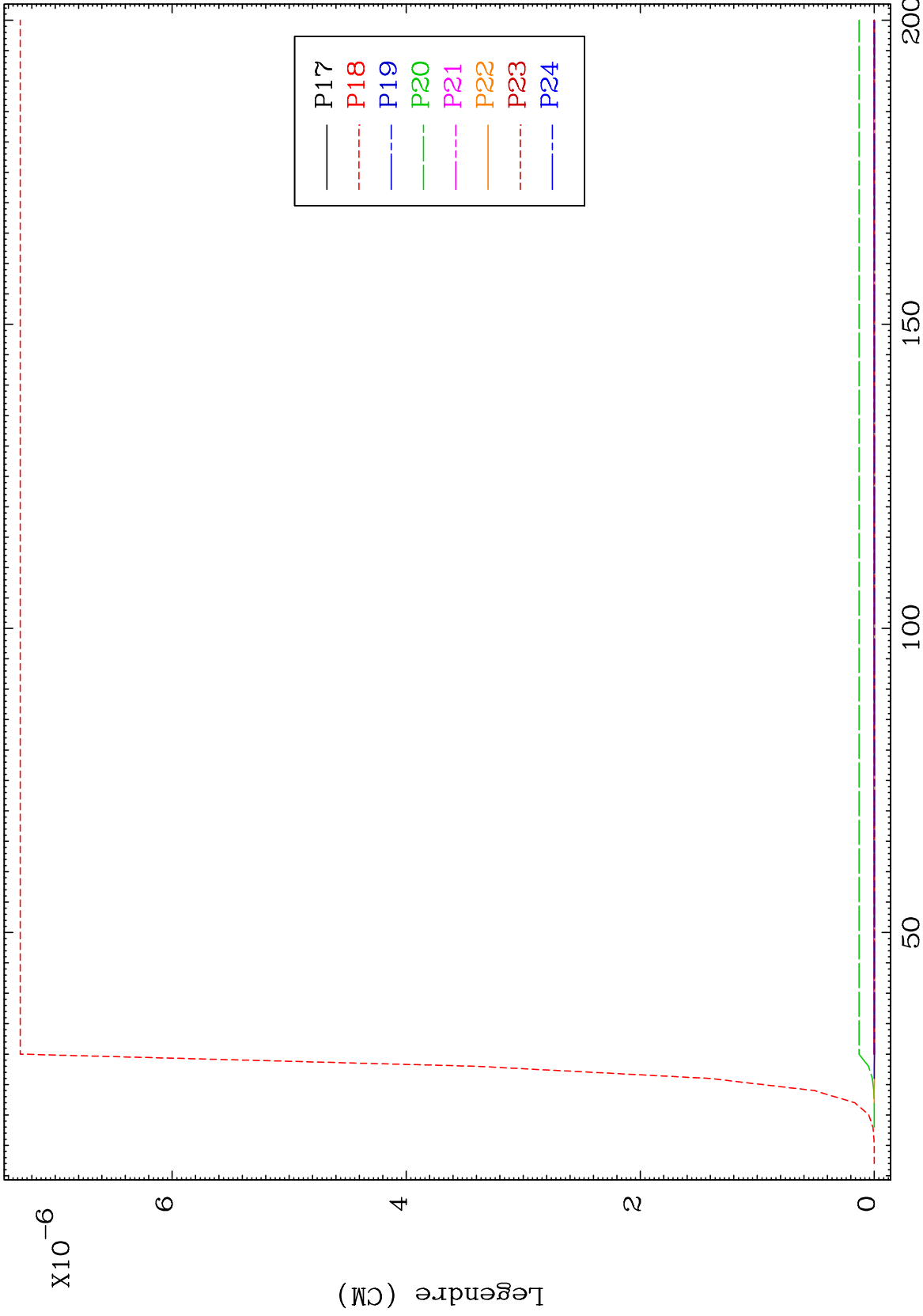
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



28

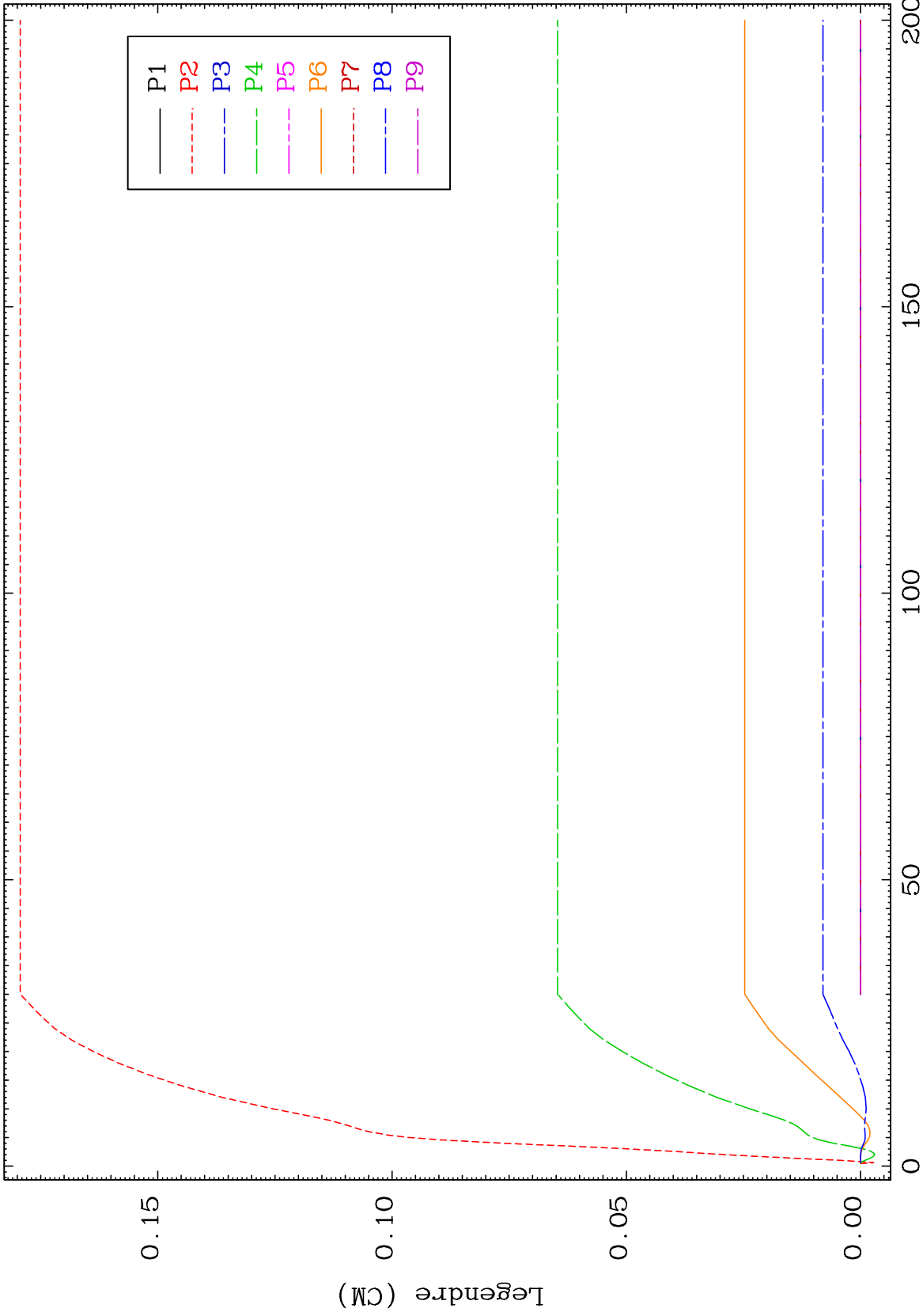
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



29

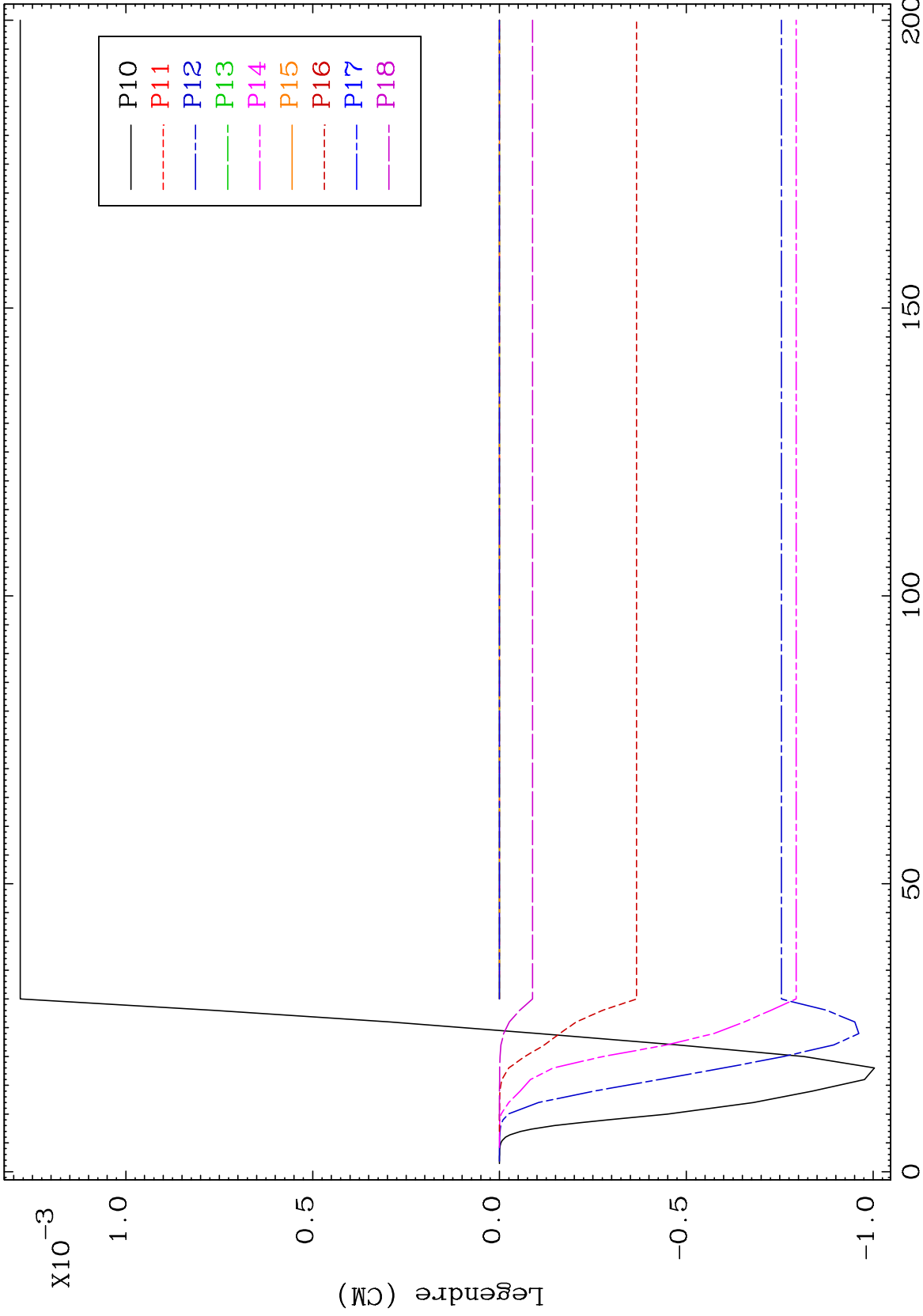
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



30

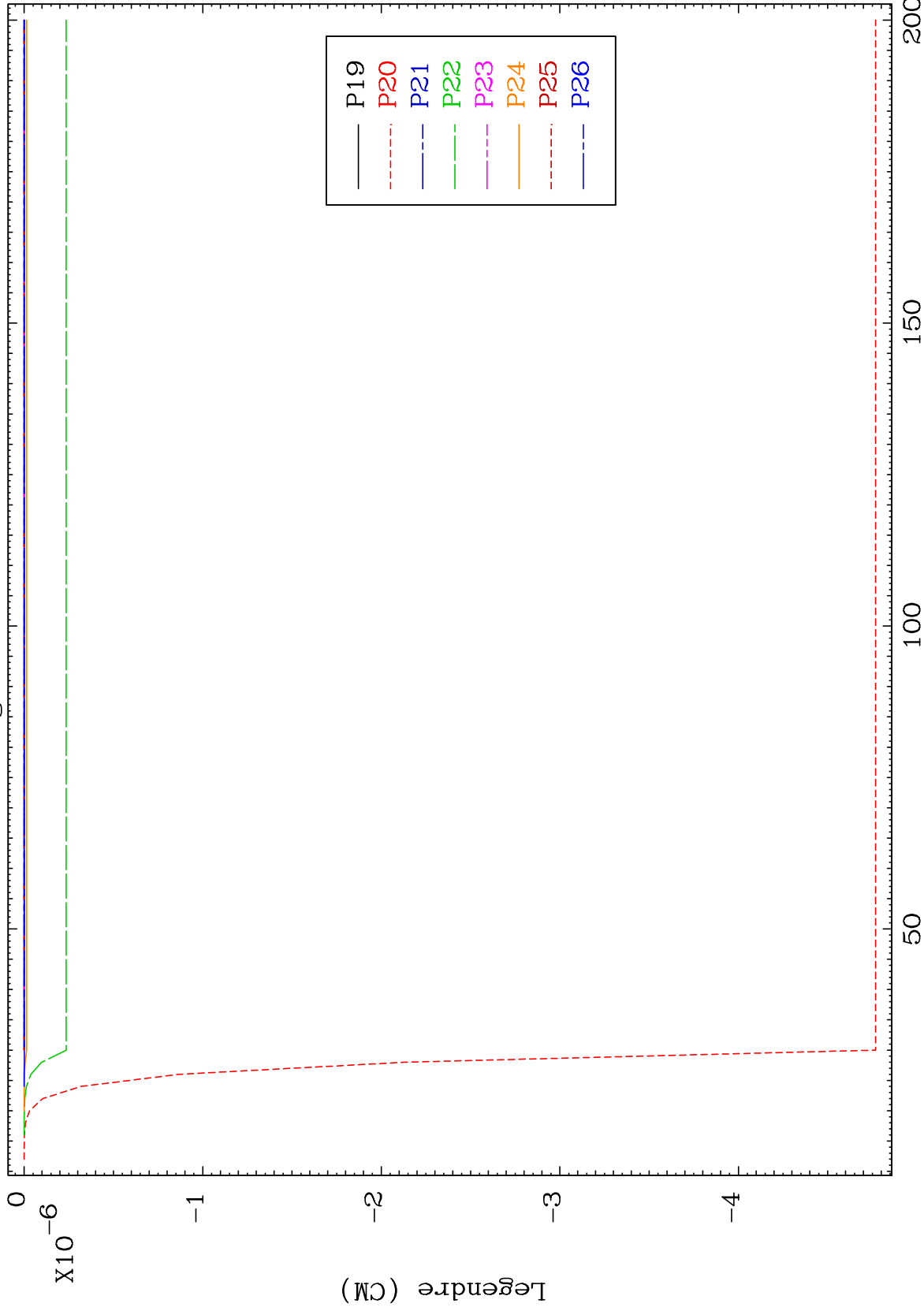
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



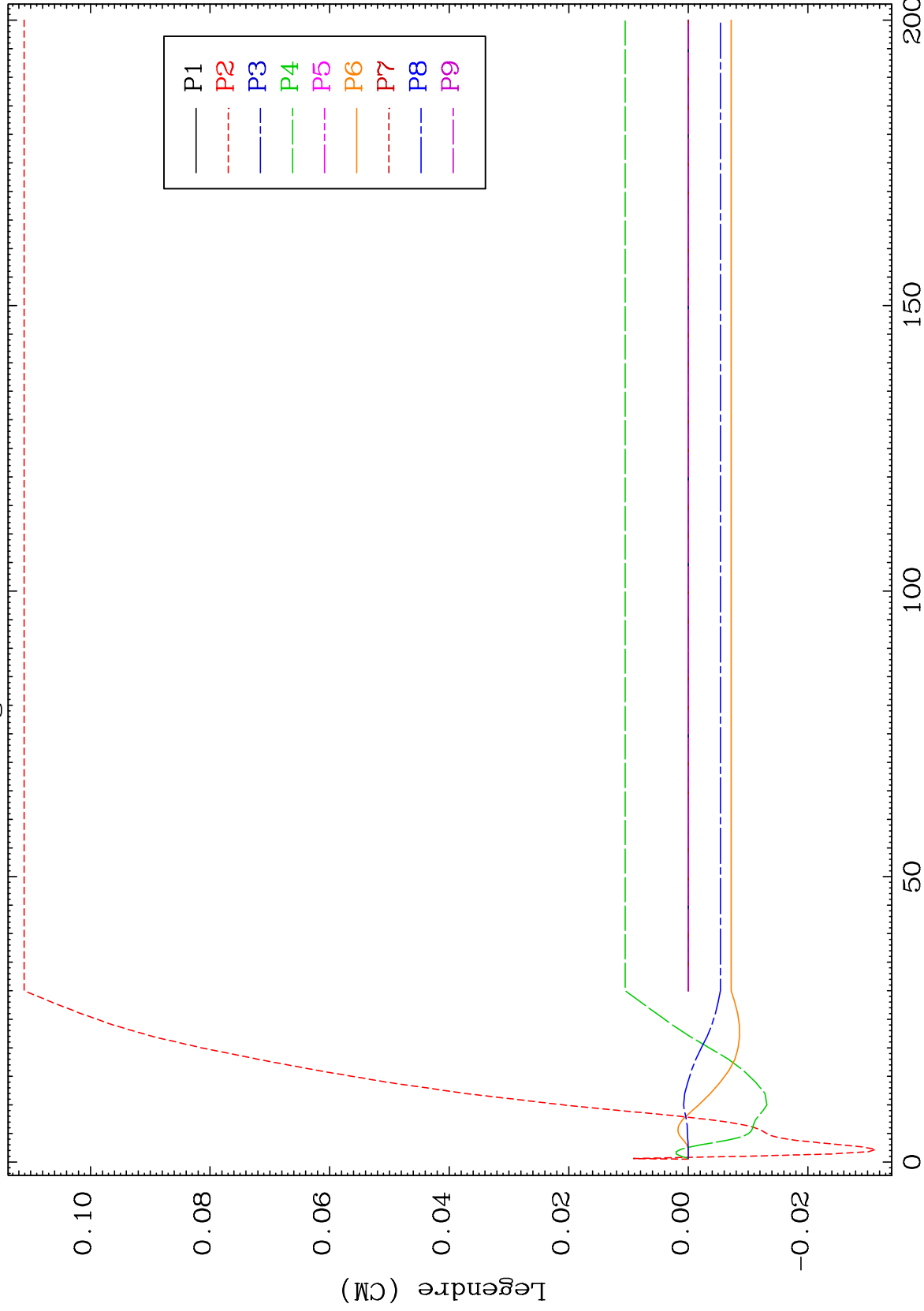
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52-Te-123

MAT 5234

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

52-Te-123



32

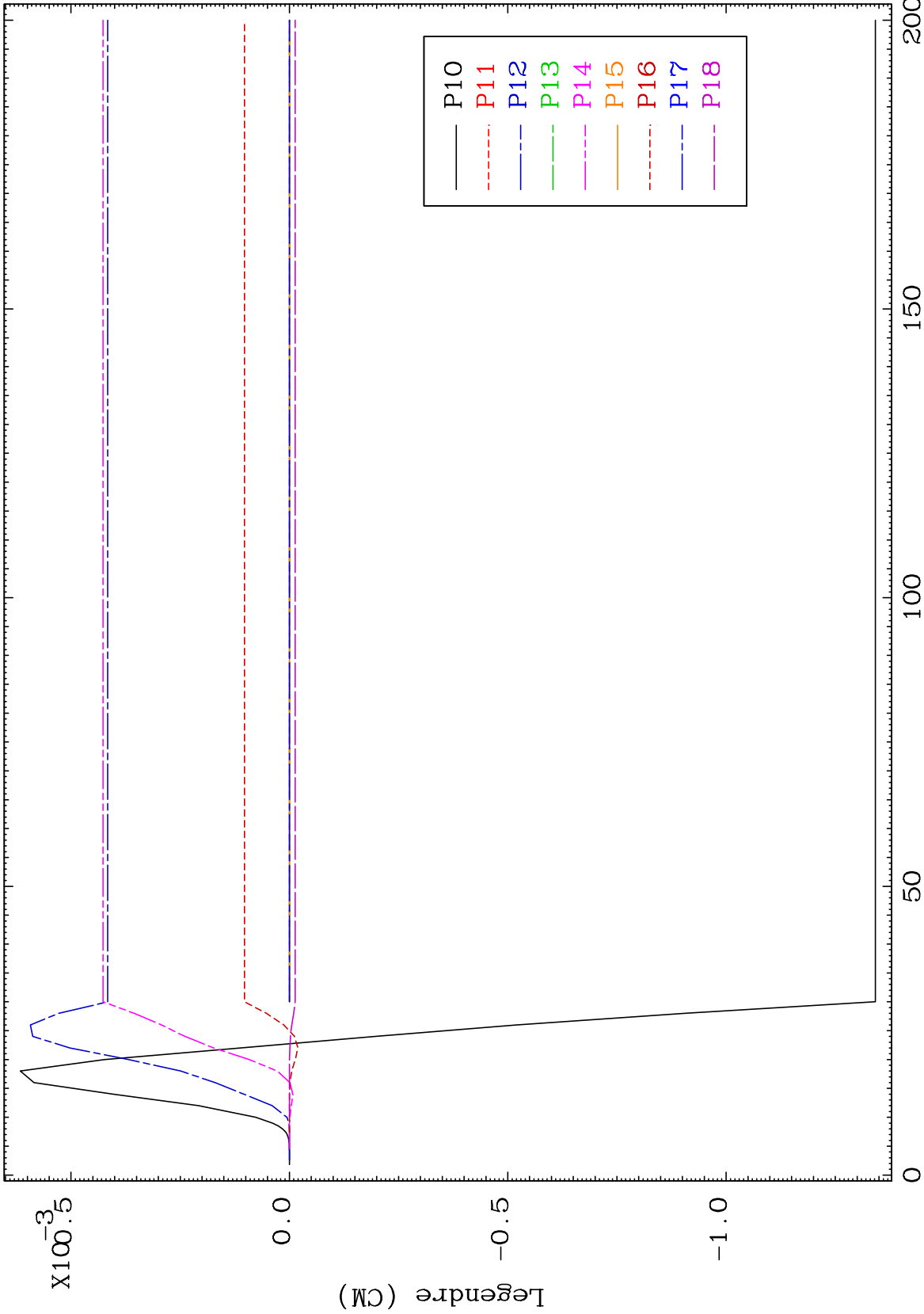
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



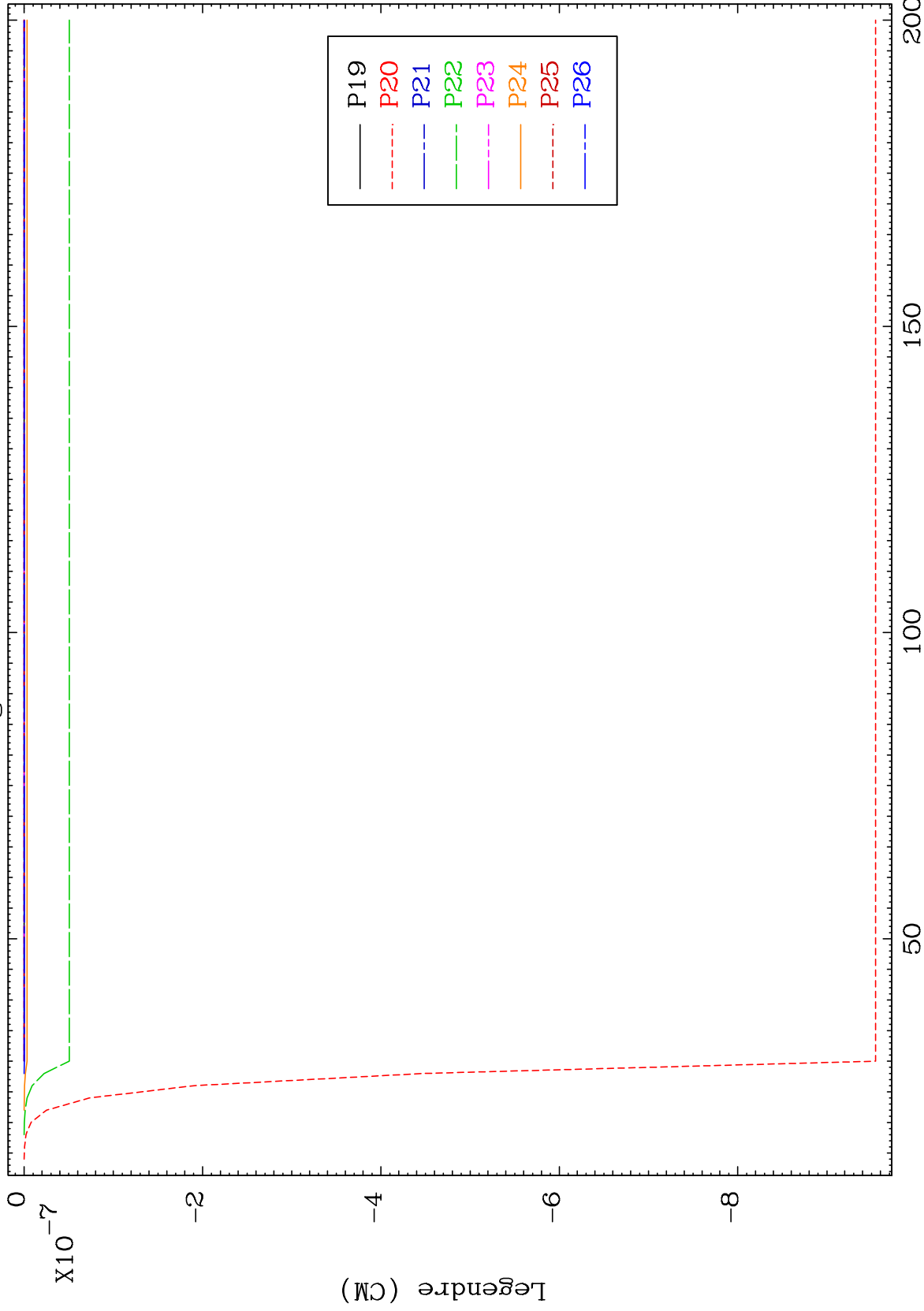
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52-Te-123

MAT 5234

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

52-Te-123



34

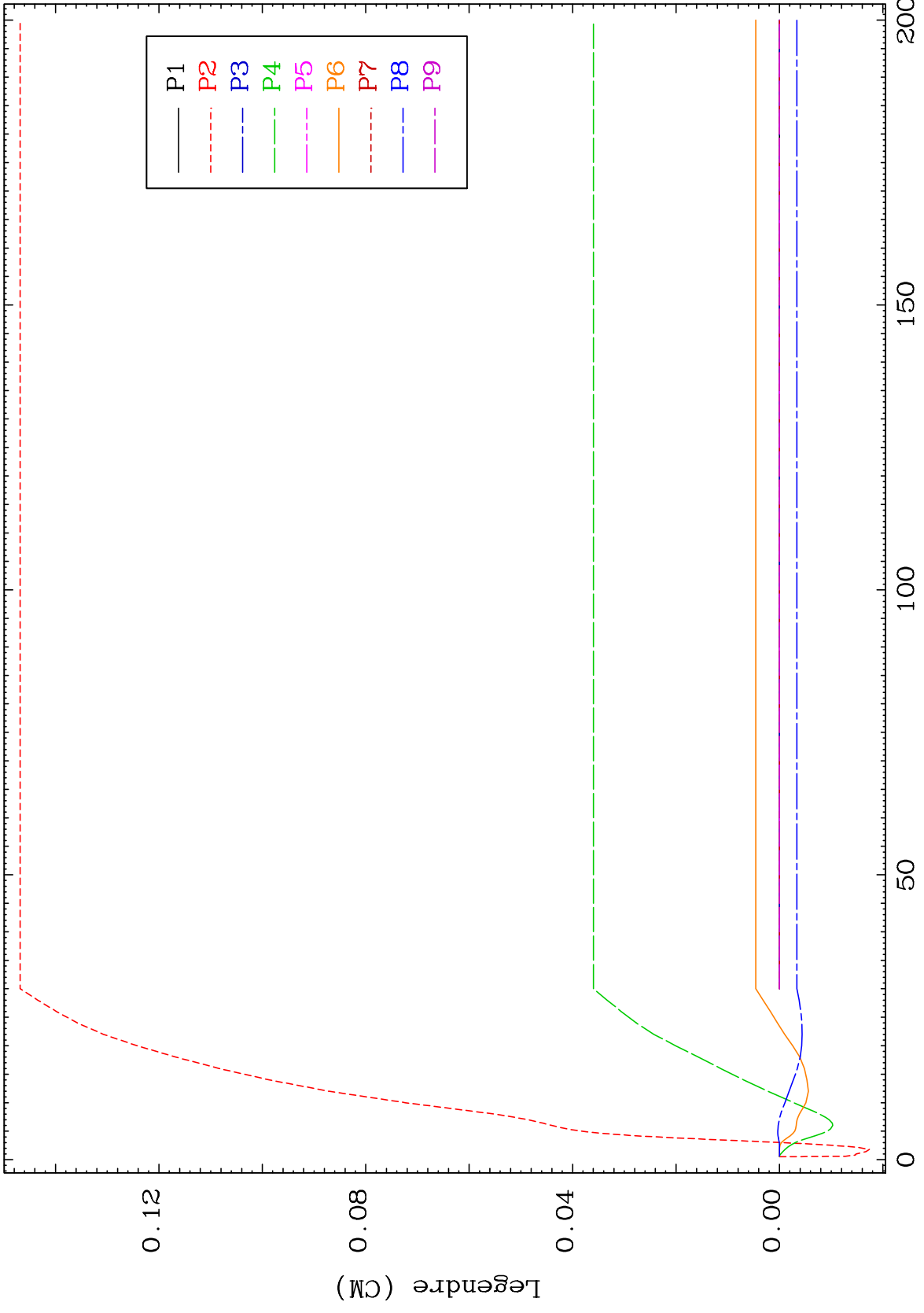
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



35

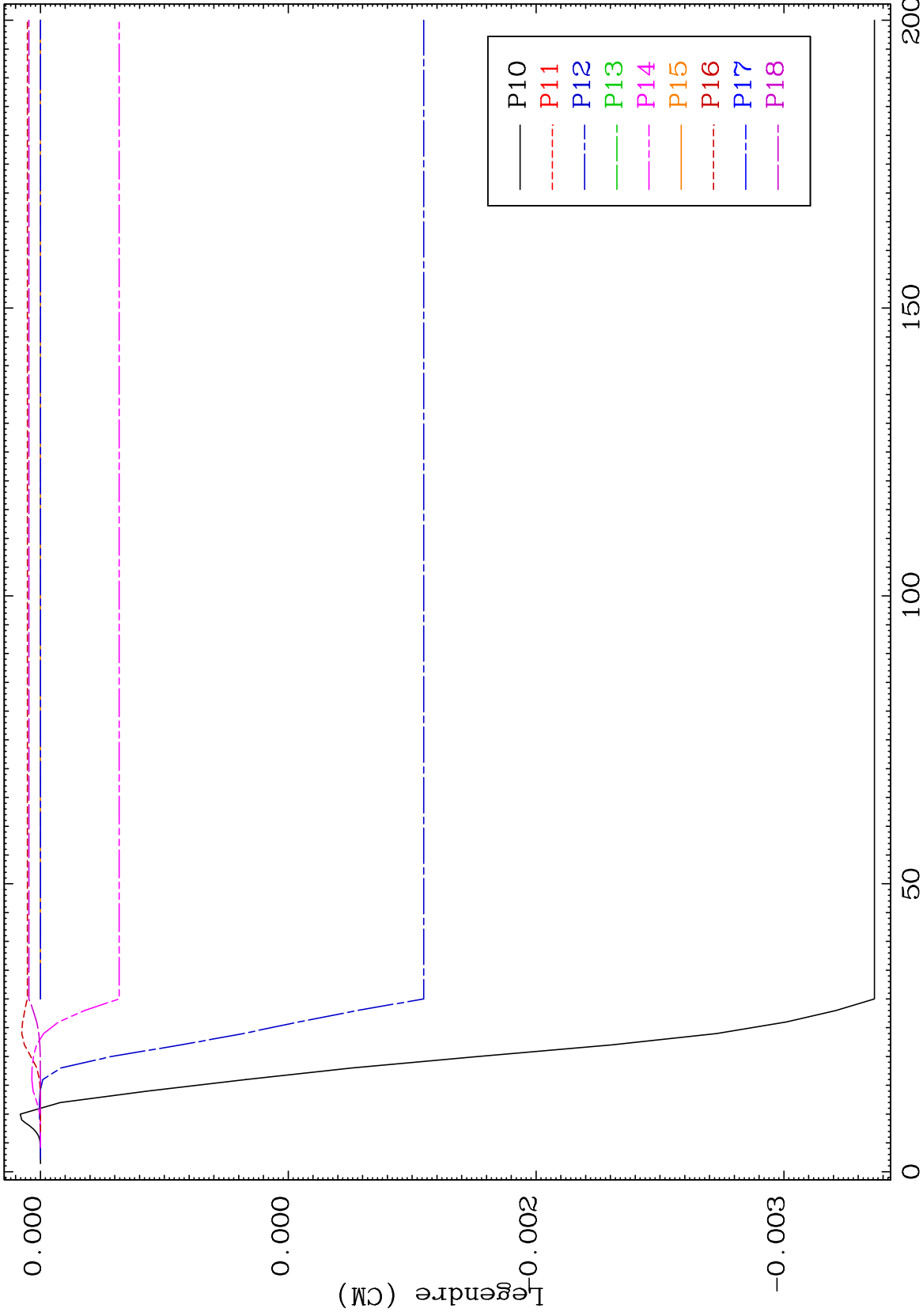
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123

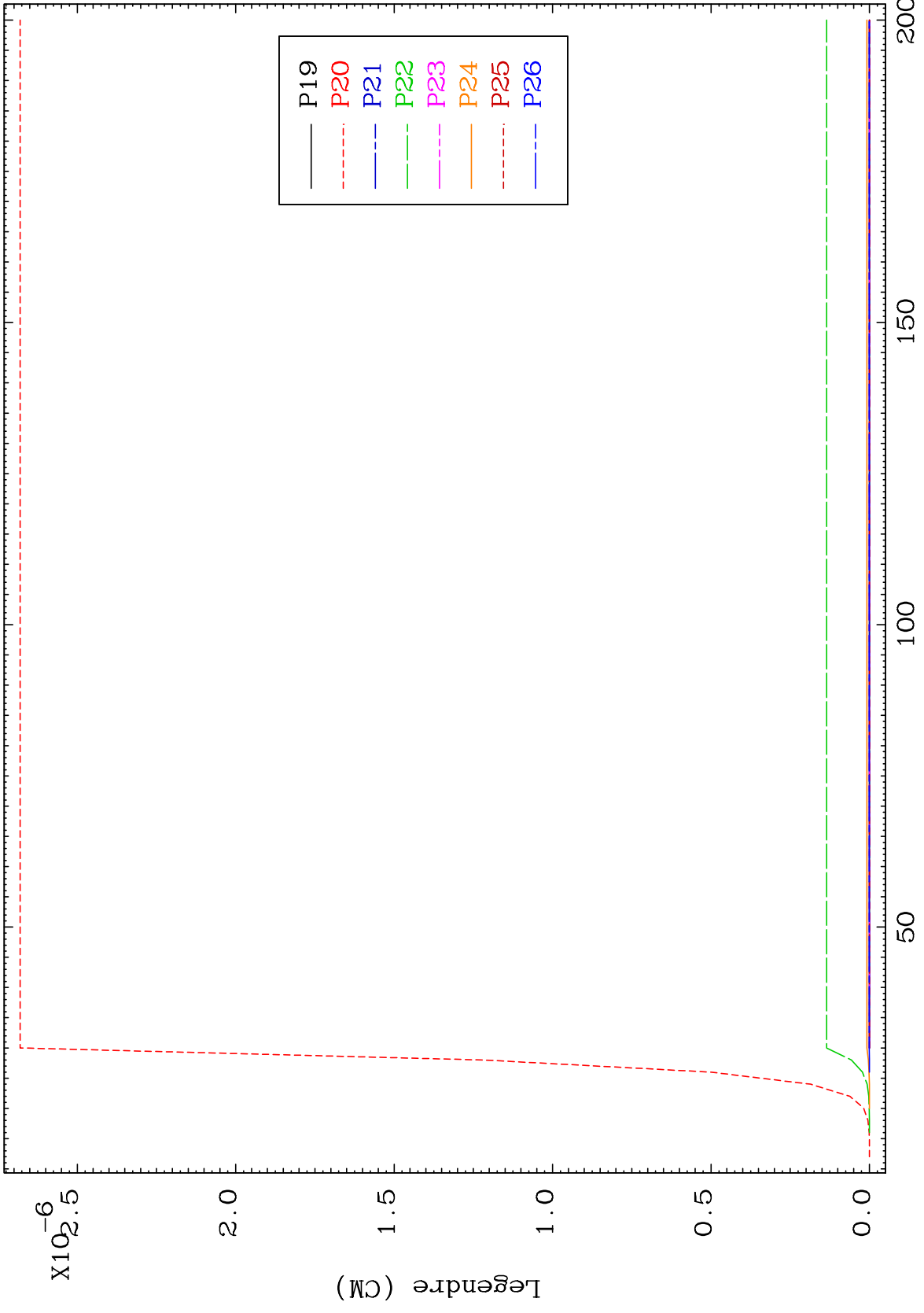


36

Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 56 (n,n') Level Legendre Coefficients 52-Te-123

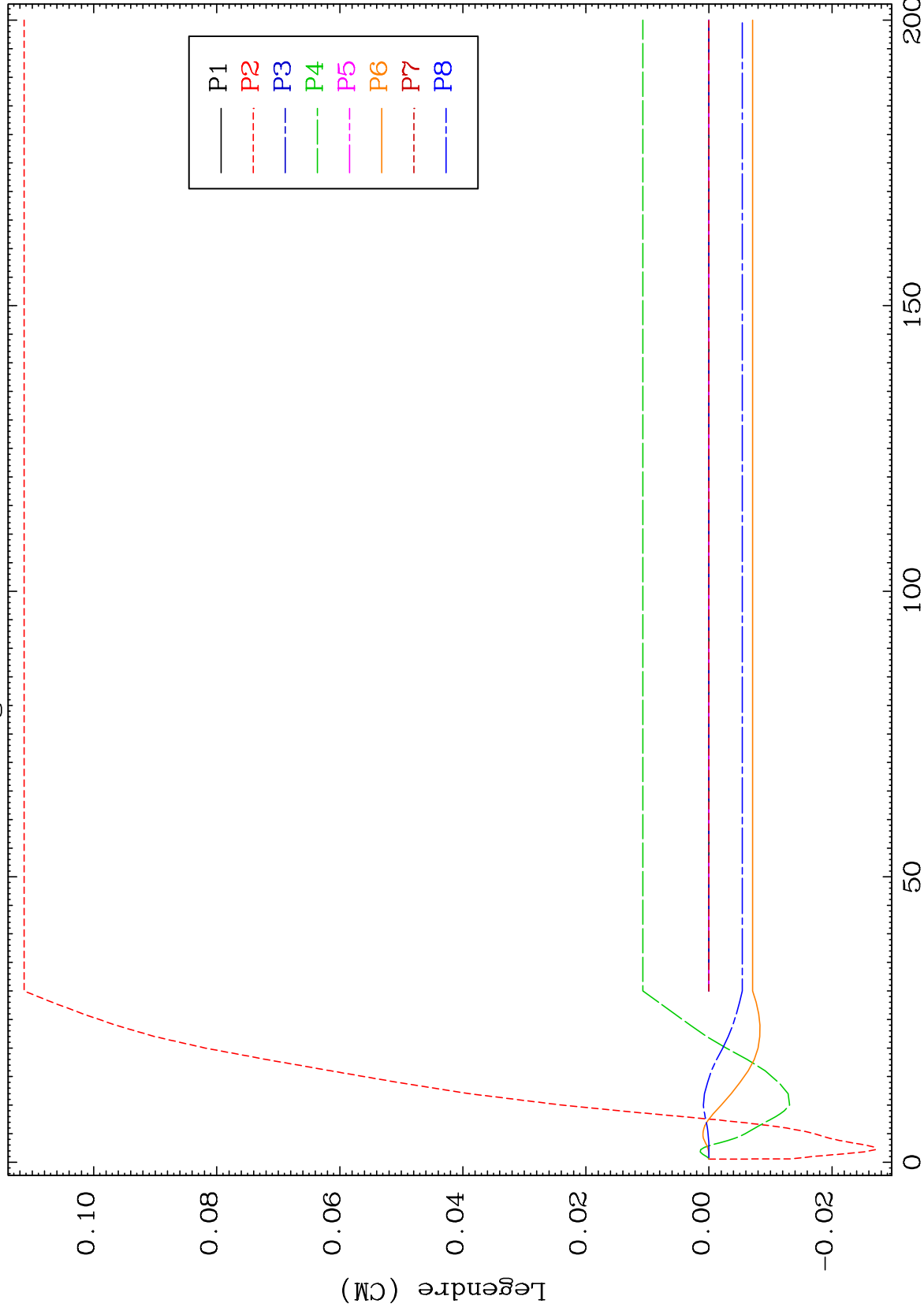


37 52-Te-123

MAT 5234

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

52-Te-123



38

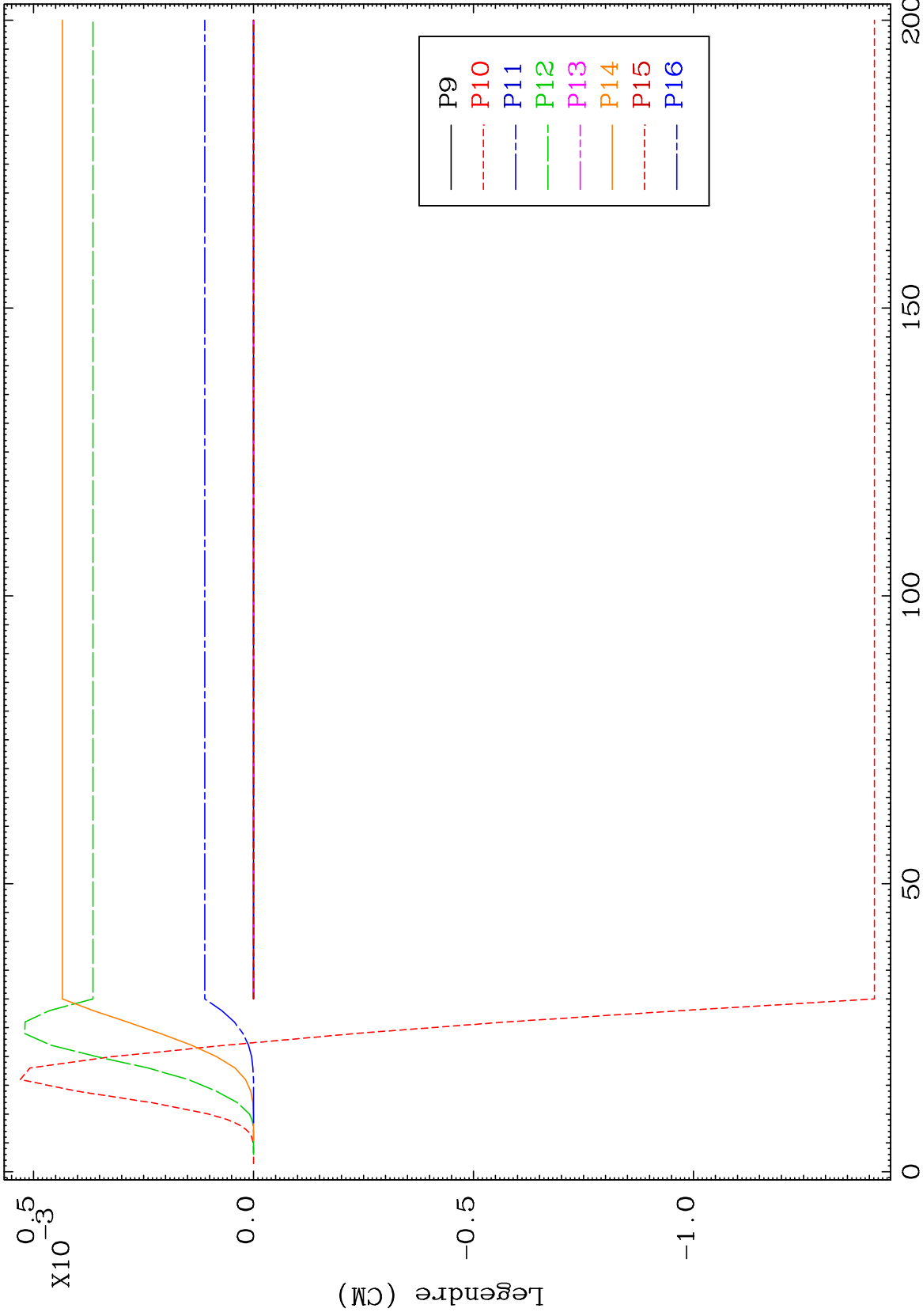
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



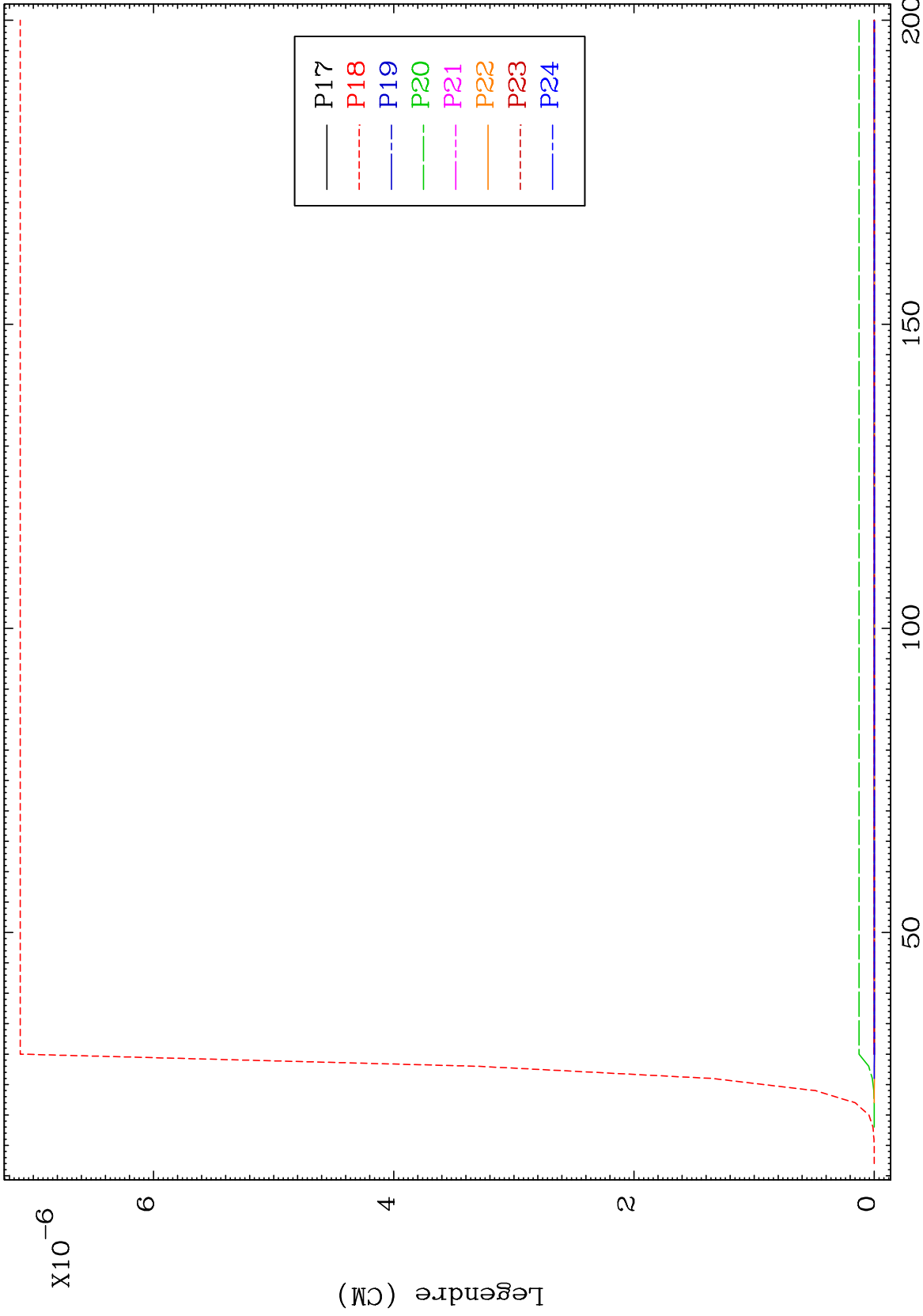
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52-Te-123

MAT 5234

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

52-Te-123

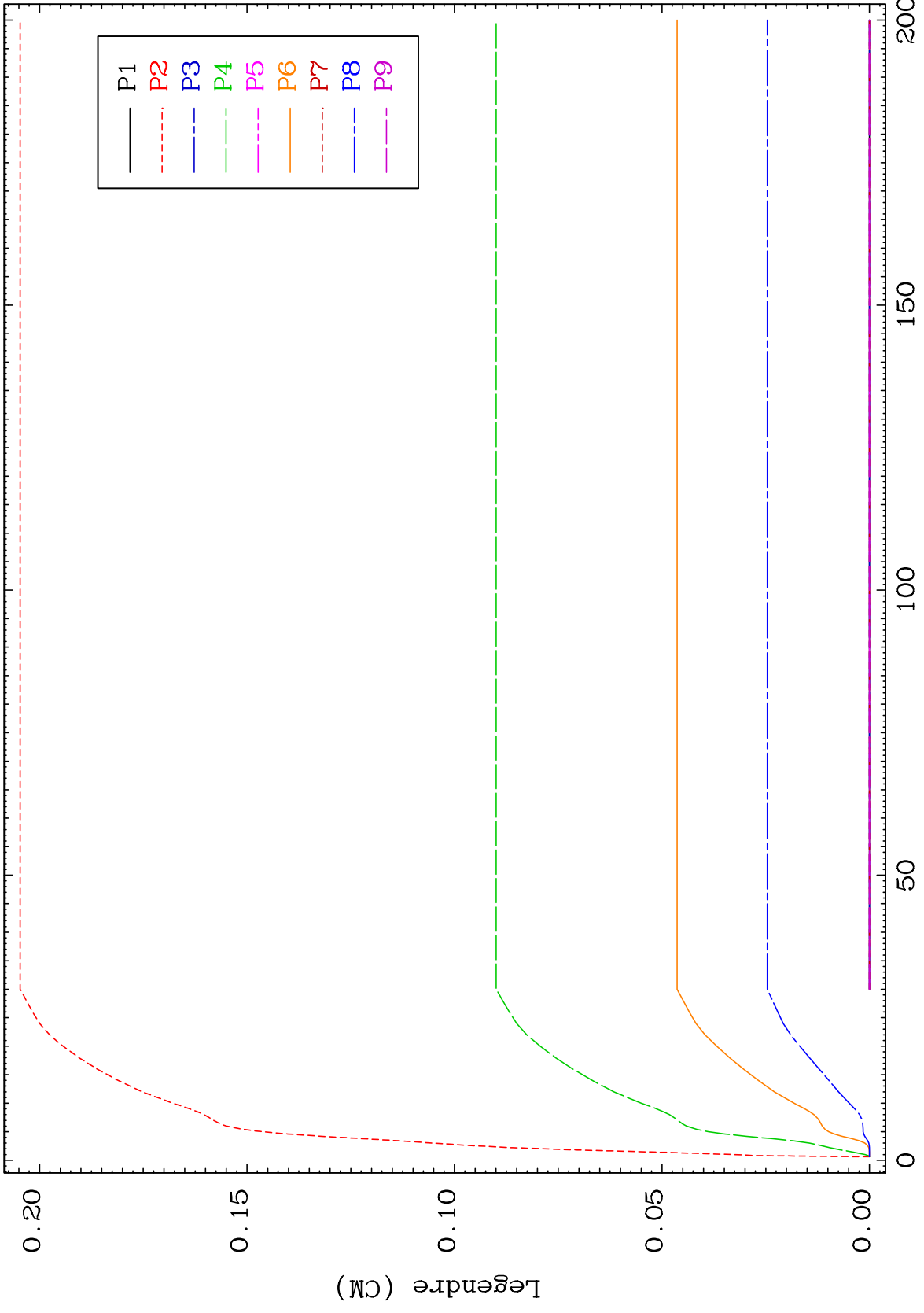


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Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 58 (n,n') Level Legendre Coefficients 52-Te-123

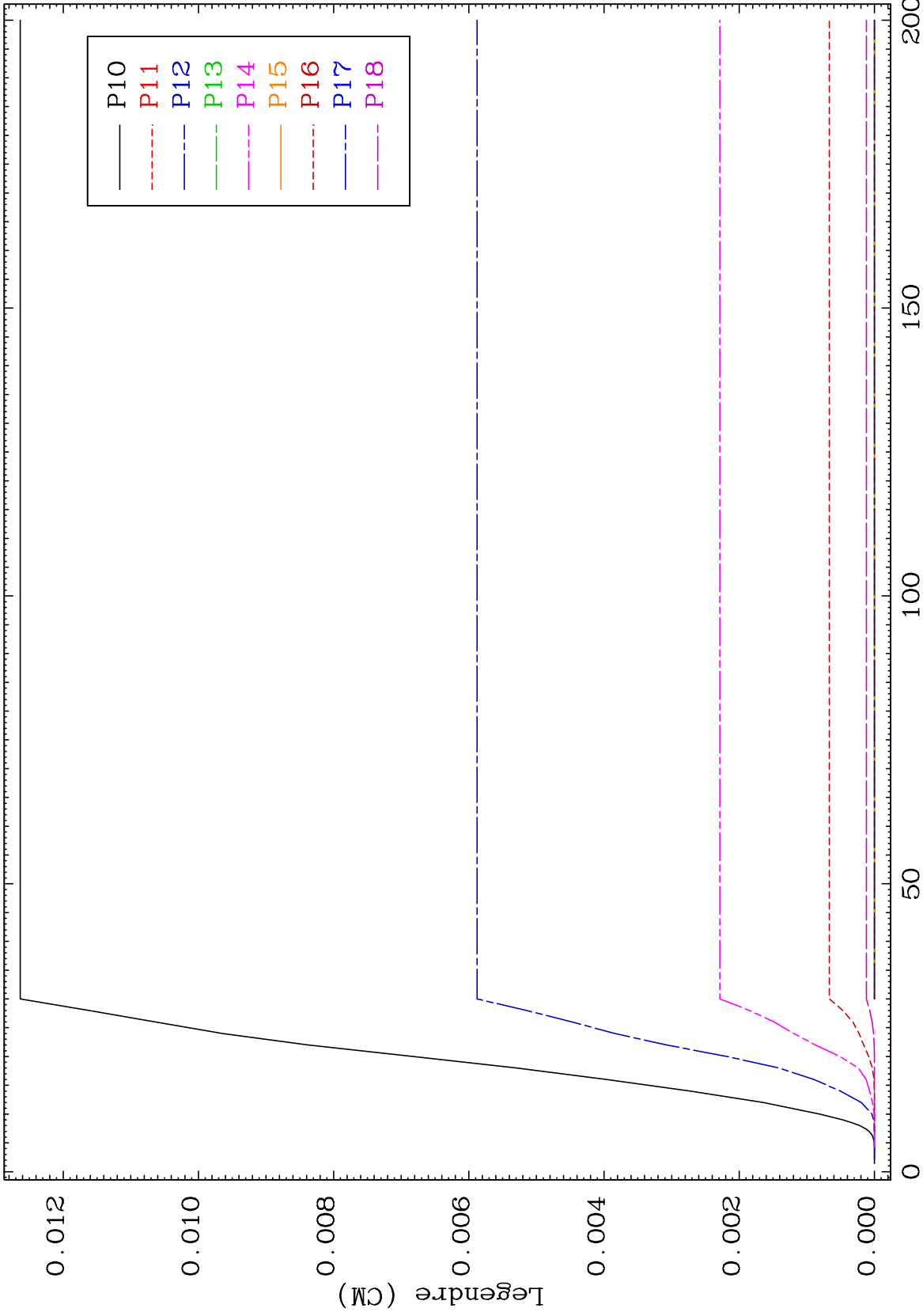


41 52-Te-123

MAT 5234

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

52-Te-123

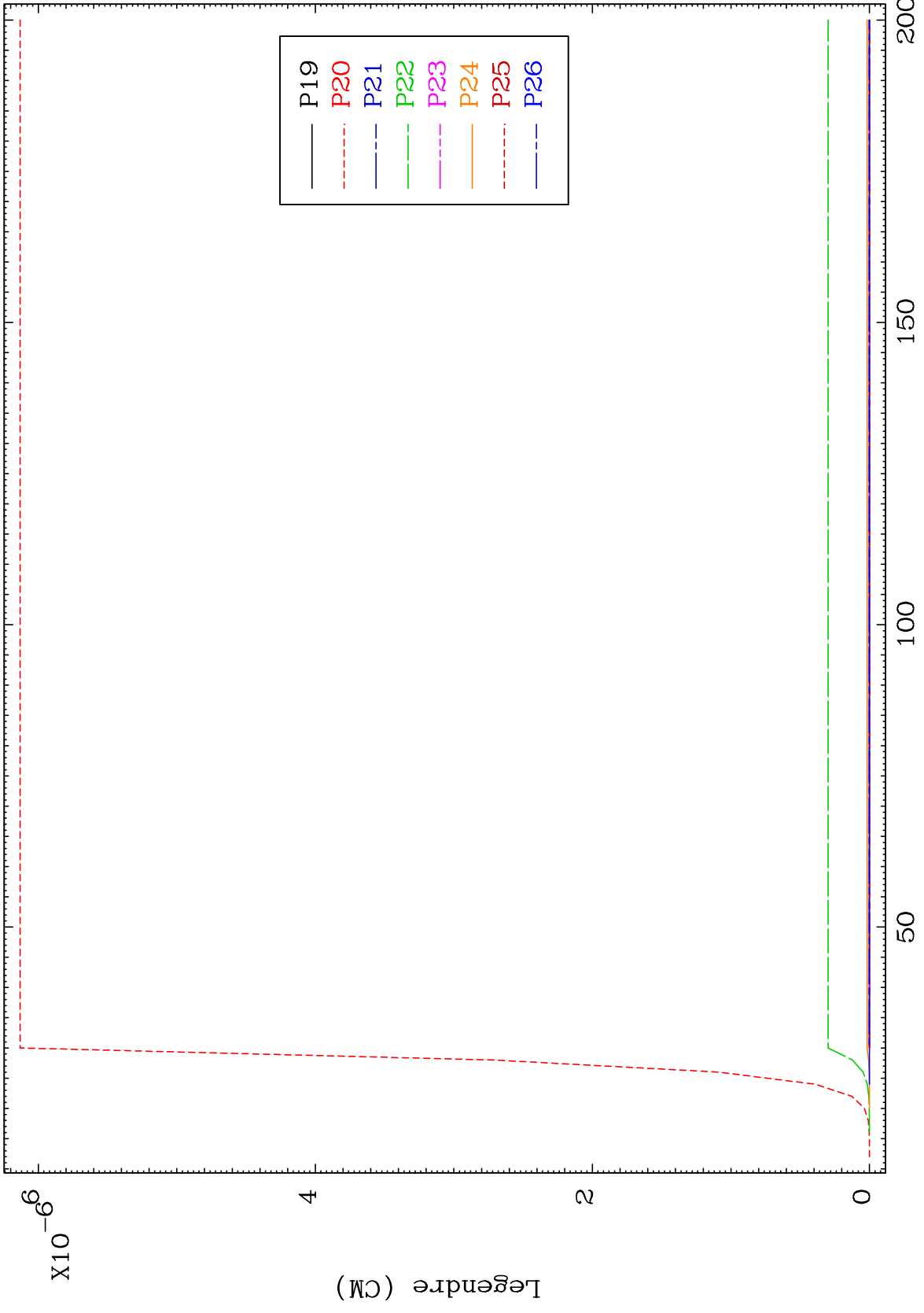


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Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 58 (n,n') Level Legendre Coefficients 52-Te-123

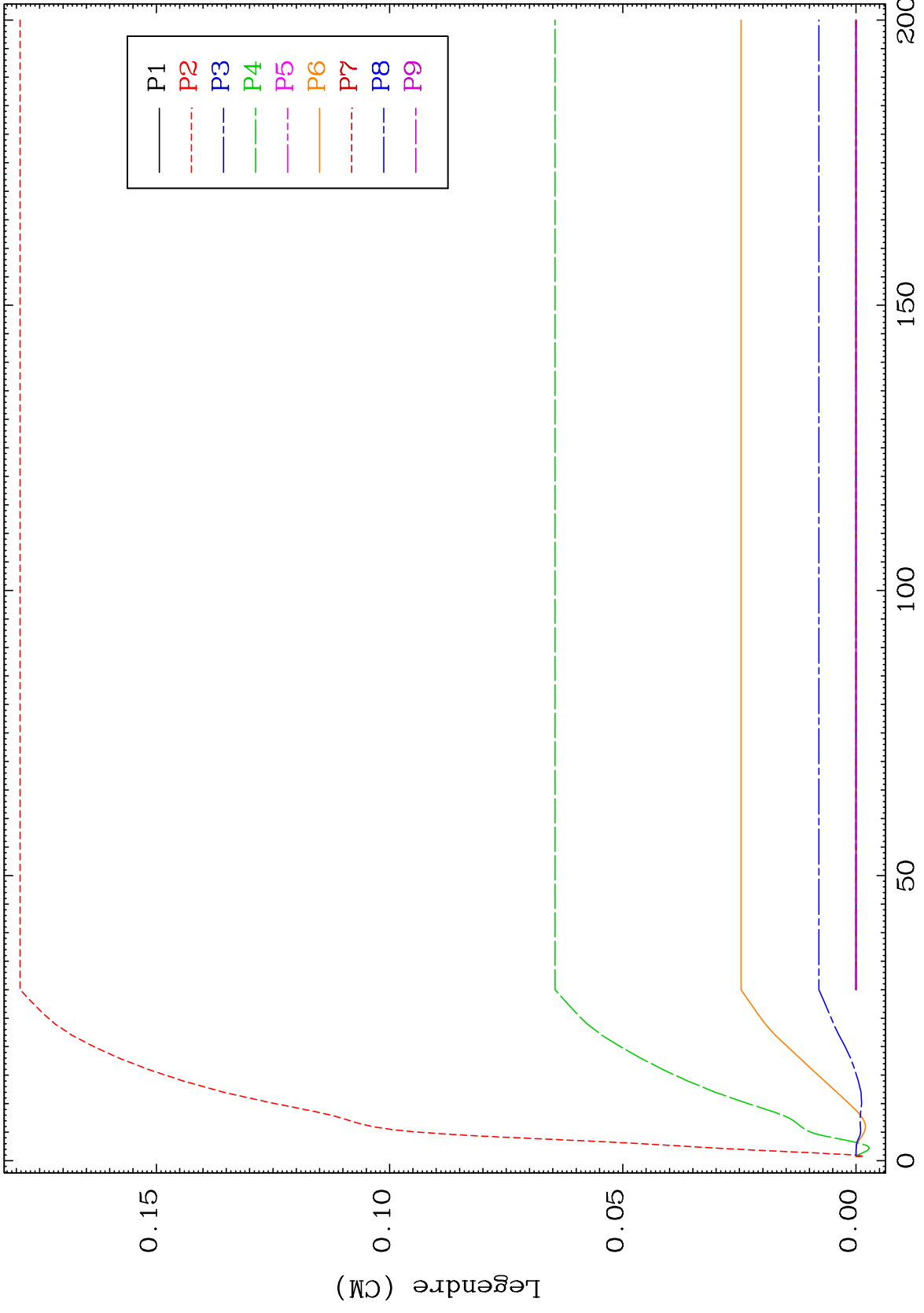


43 Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



44

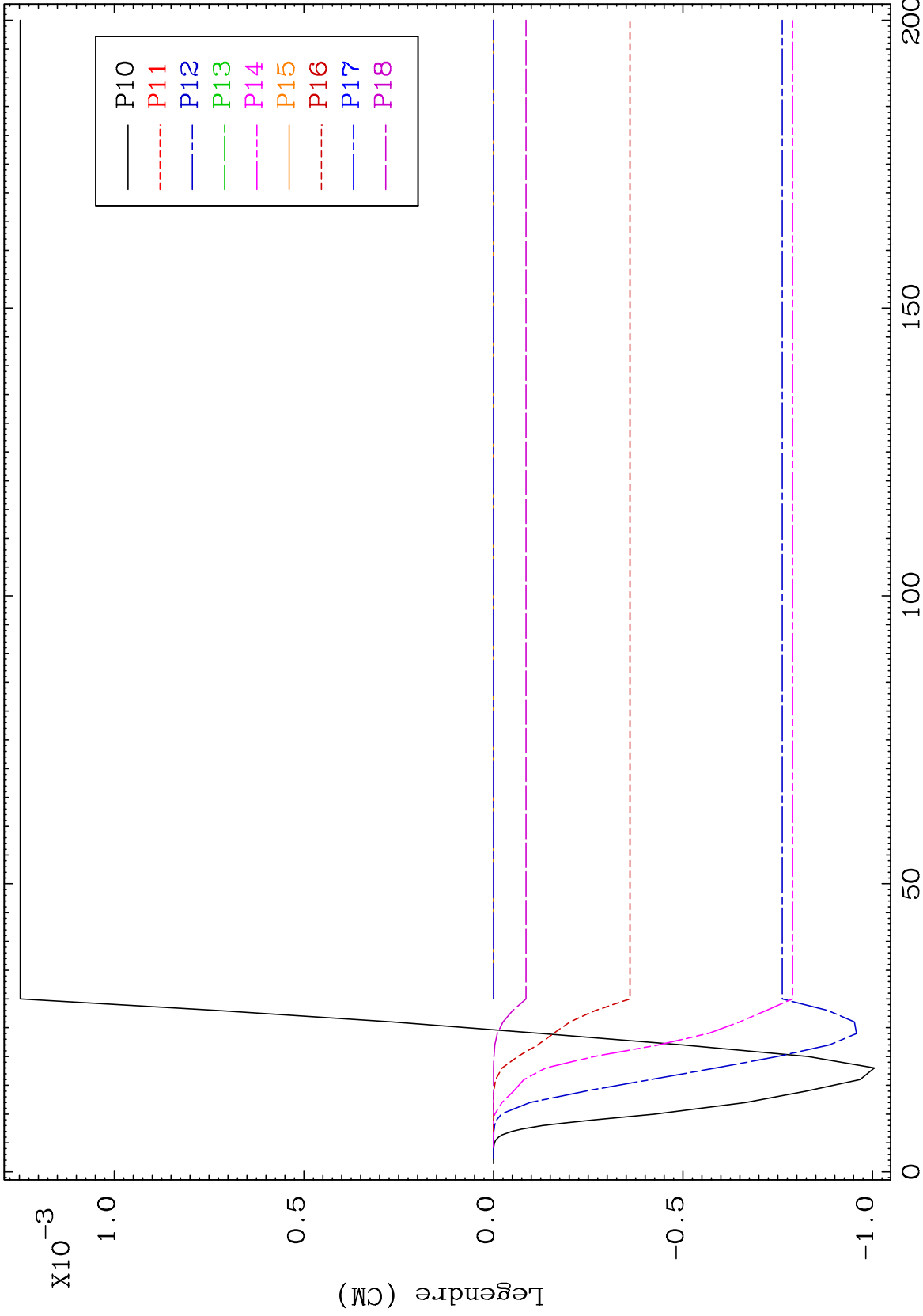
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



45

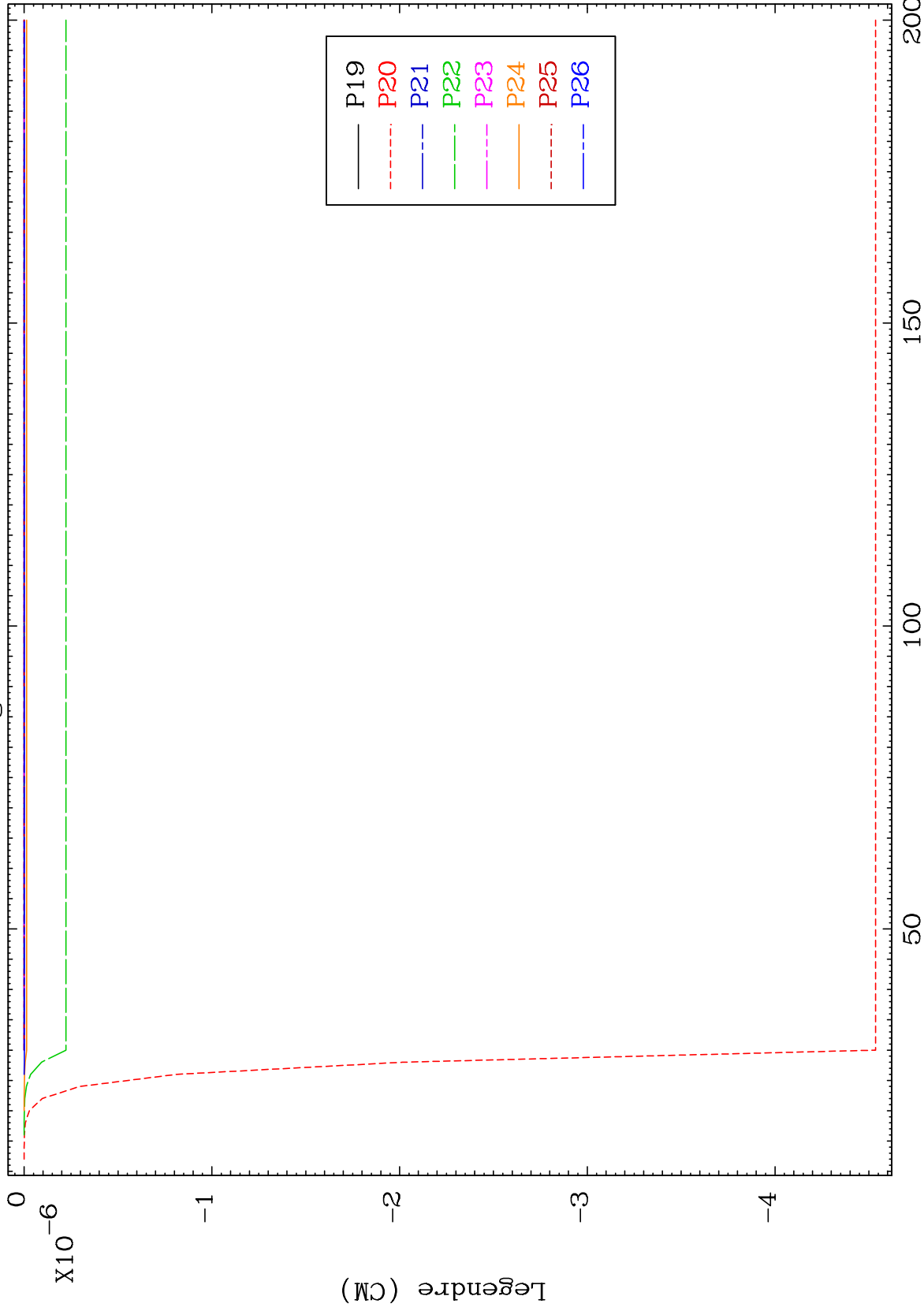
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



46

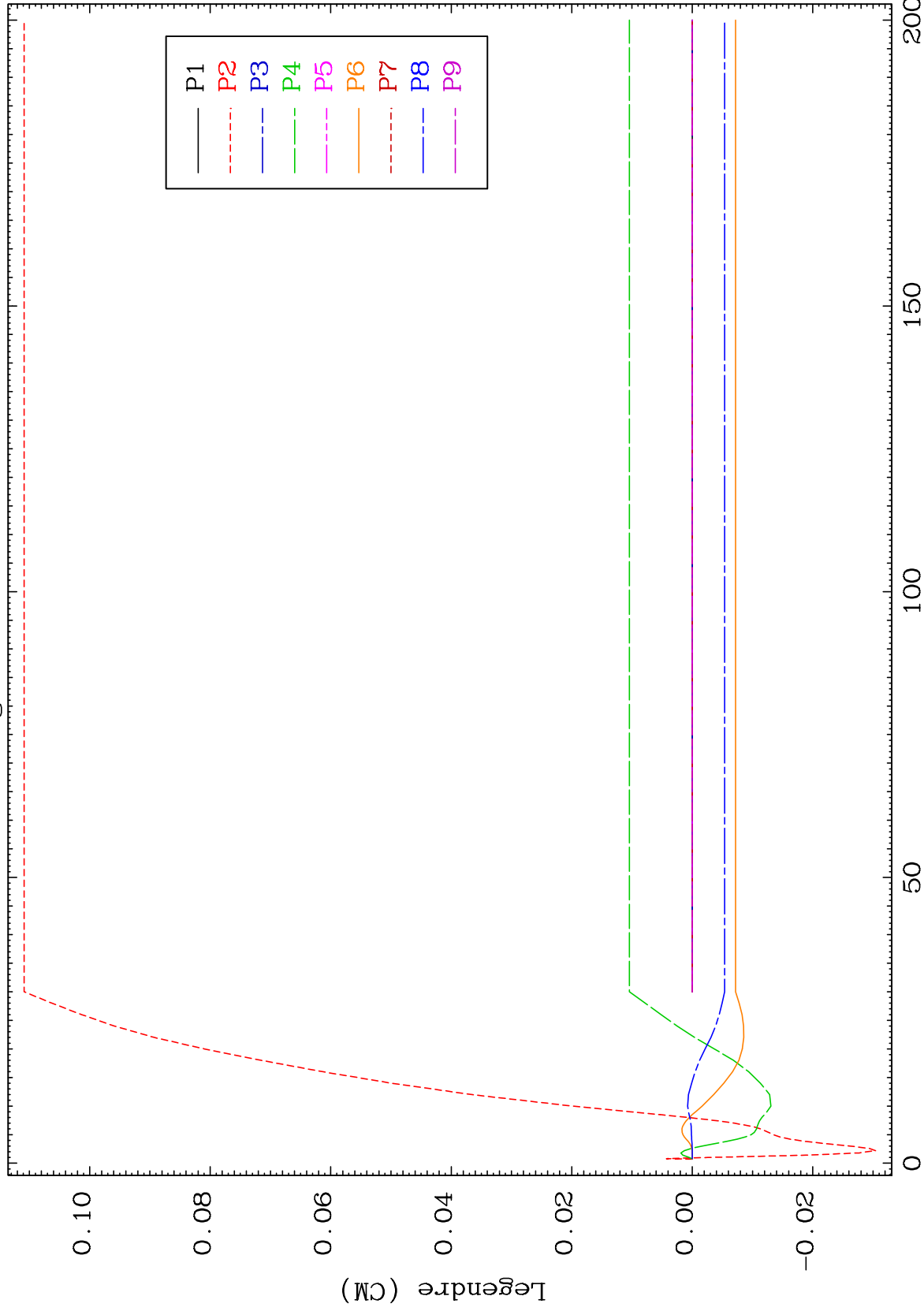
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



47

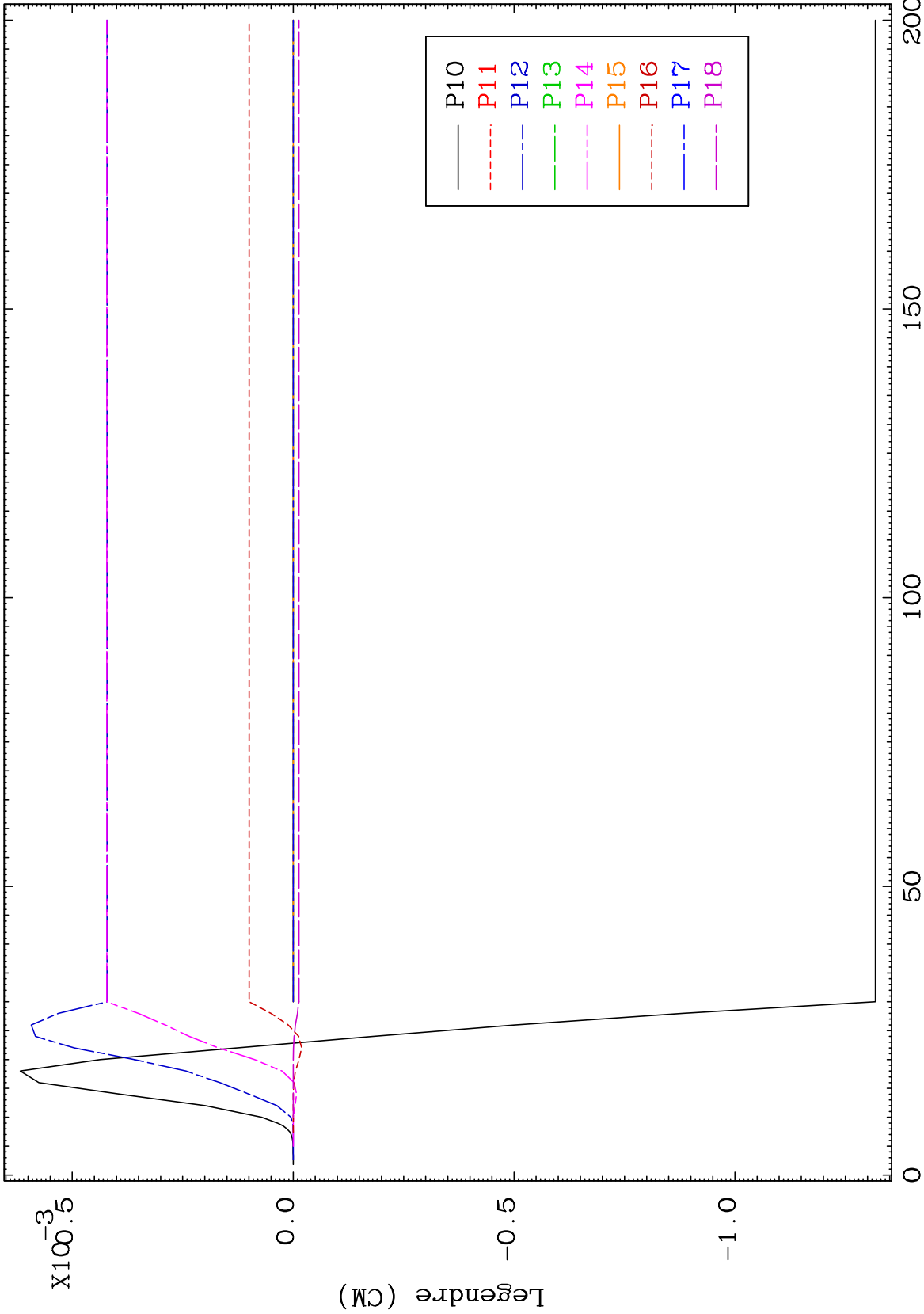
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



48

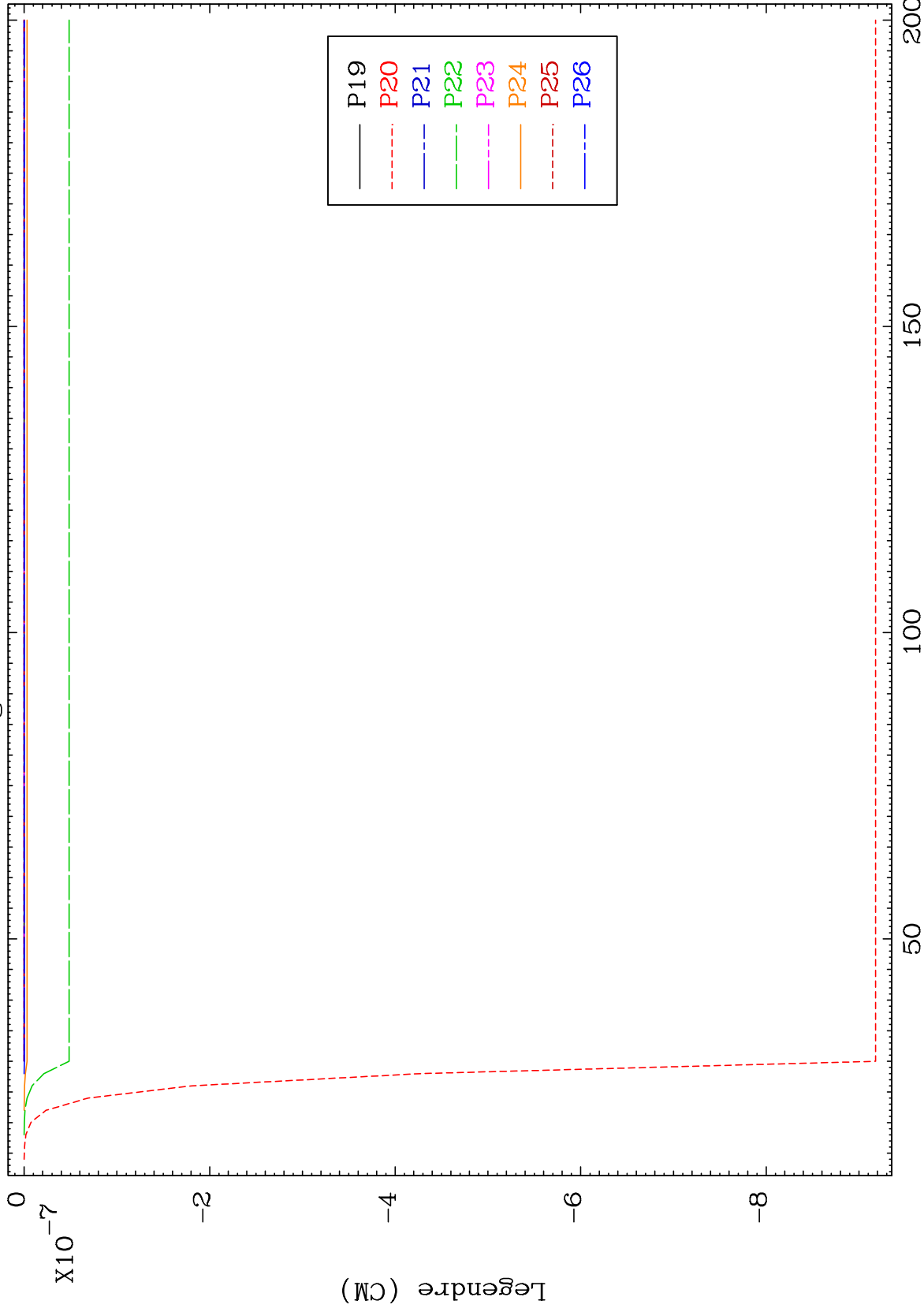
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



49

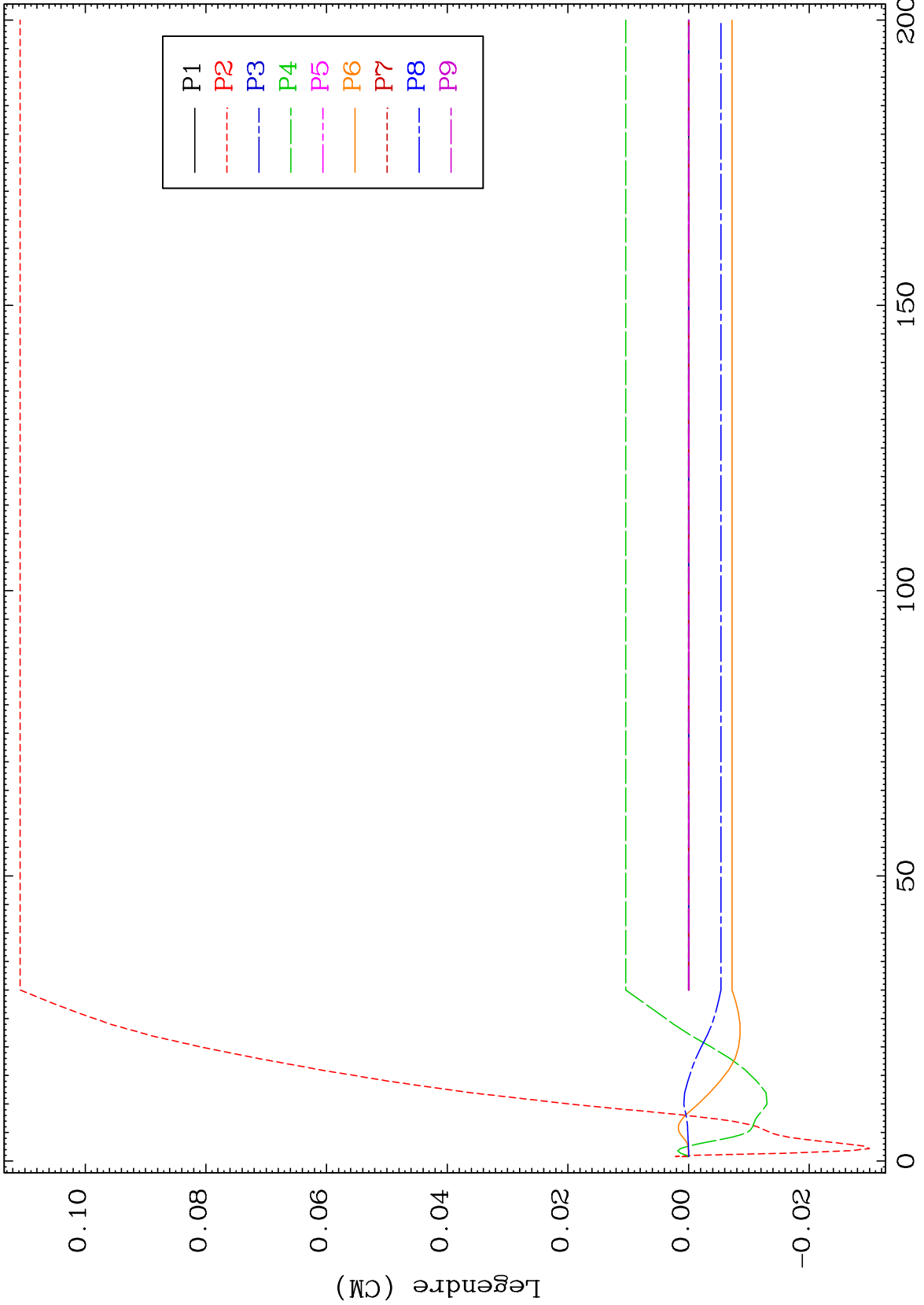
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



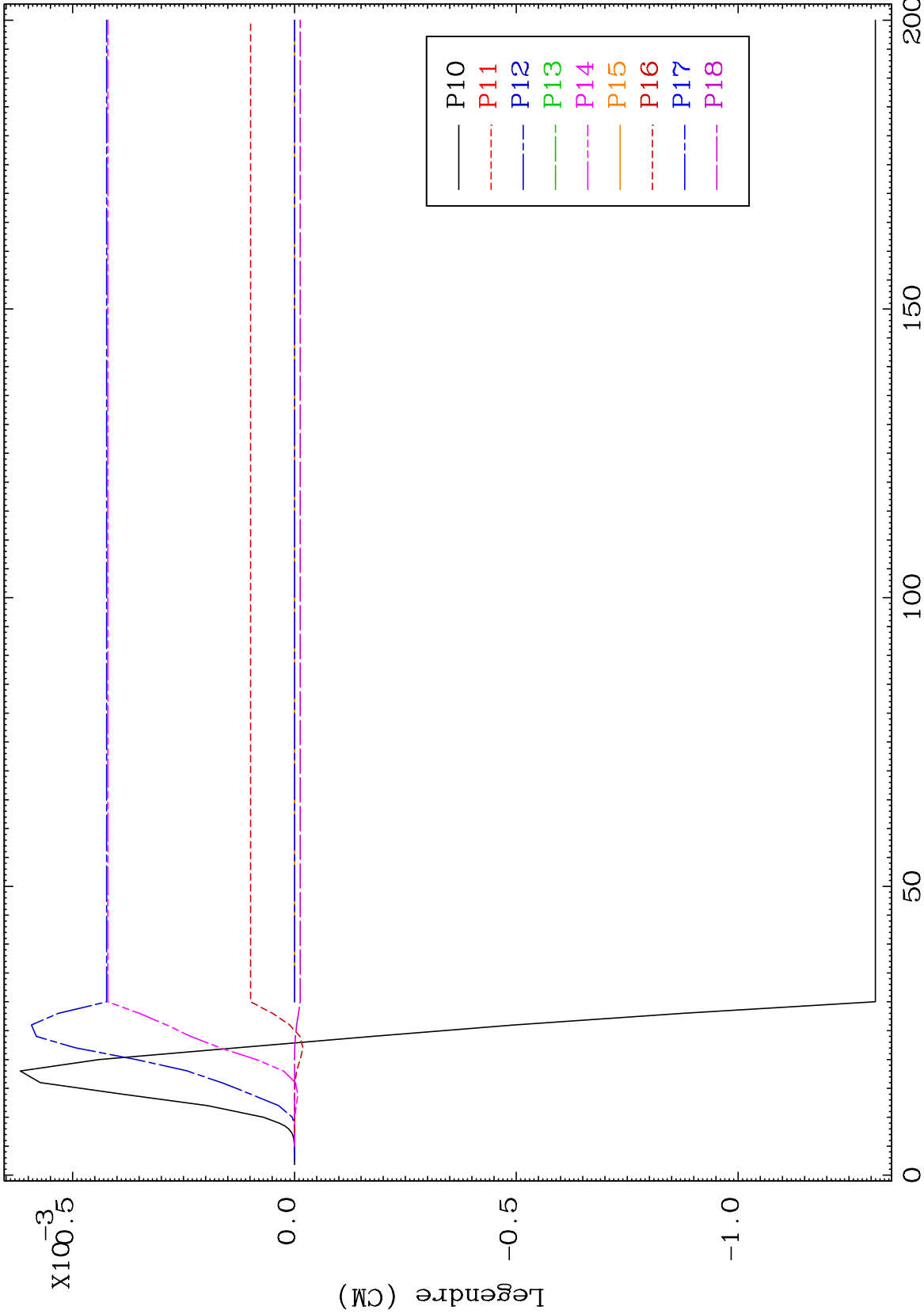
52-Te-123

Incident Energy (MeV)

MAT 5234

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

52-Te-123



51

Incident Energy (MeV)

52-Te-123

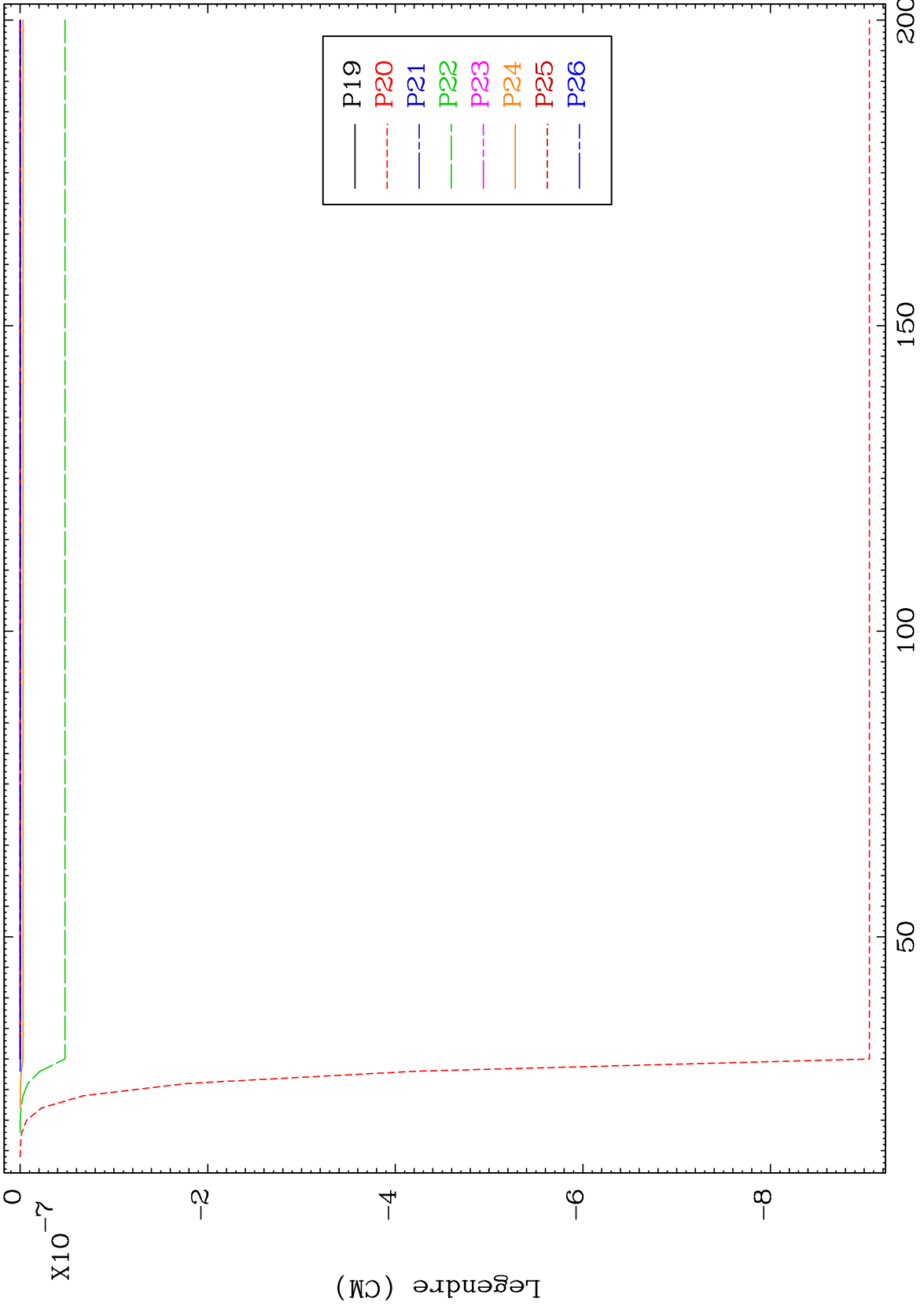
MAT 5234

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

52-Te-123

Incident Energy (MeV)

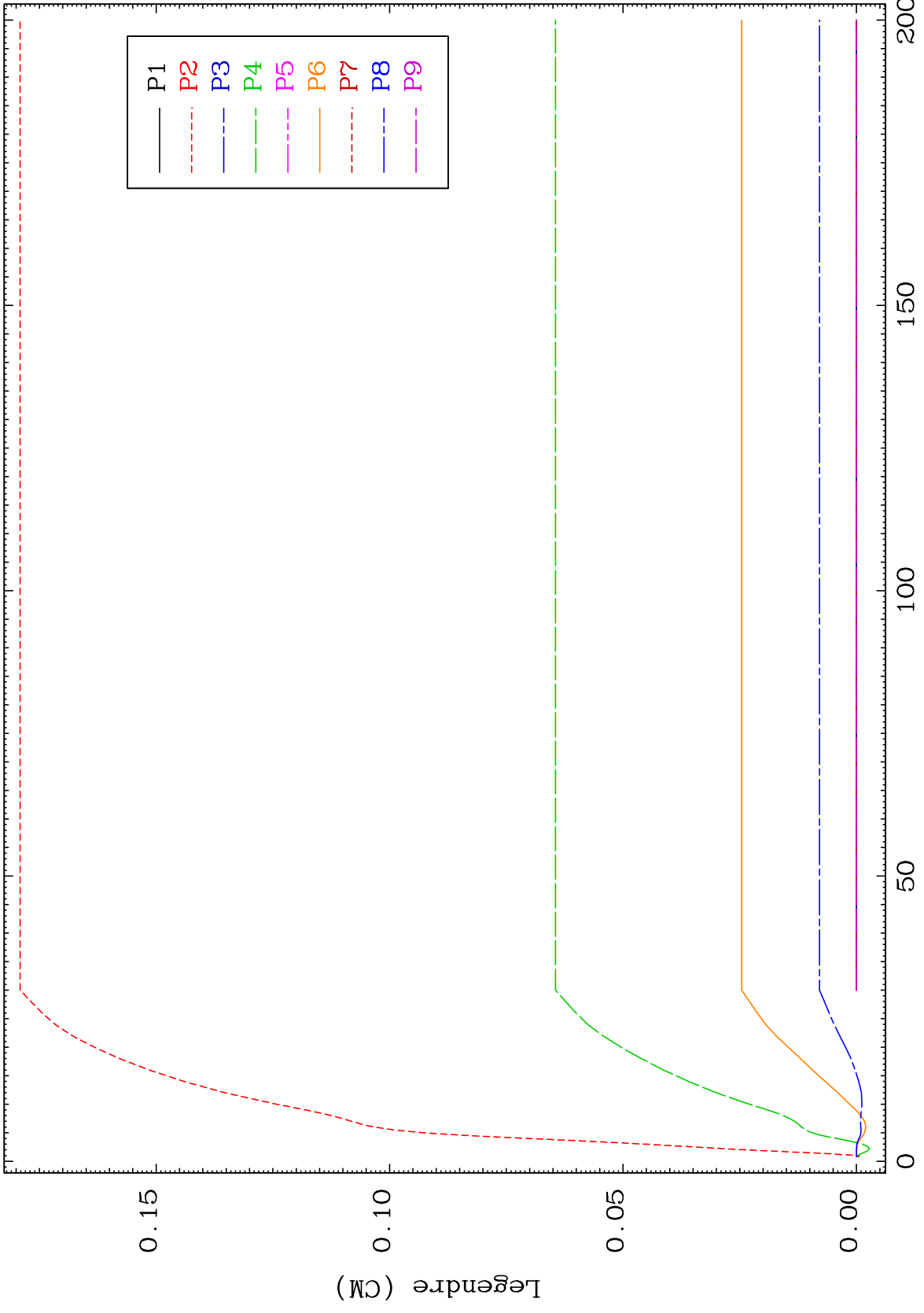
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MAT 5234

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

52-Te-123



53

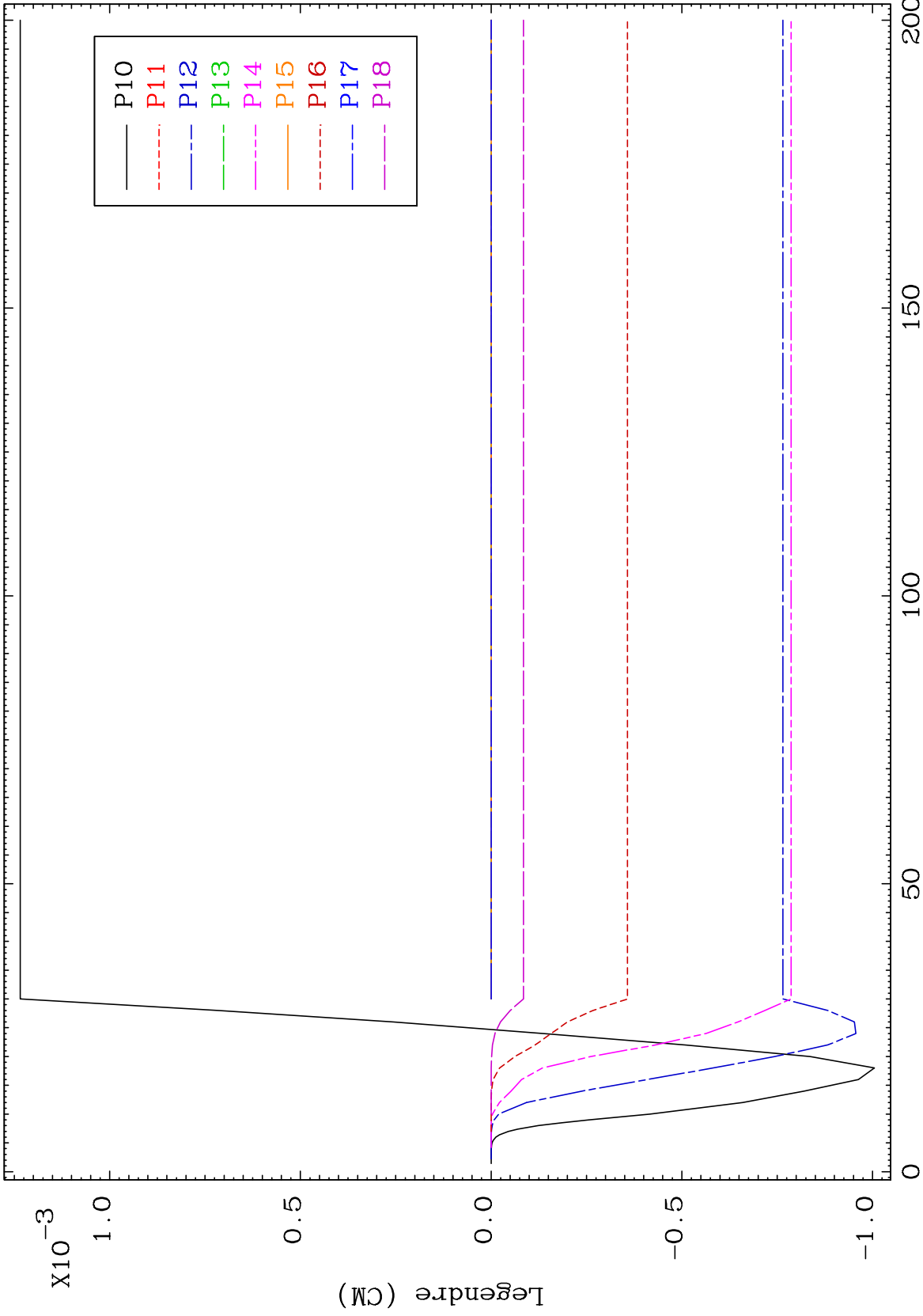
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



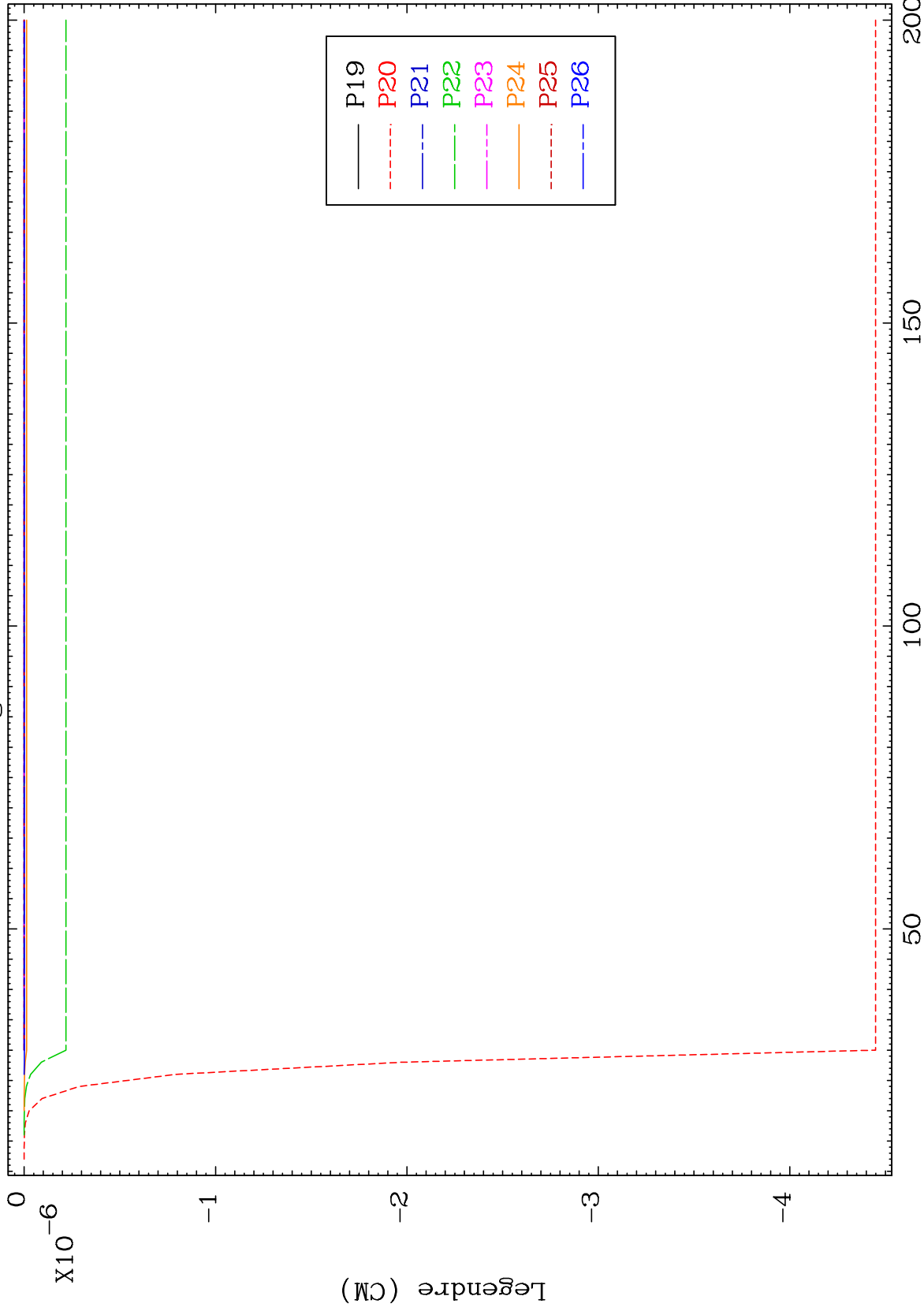
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52-Te-123

MAT 5234

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

52-Te-123



55

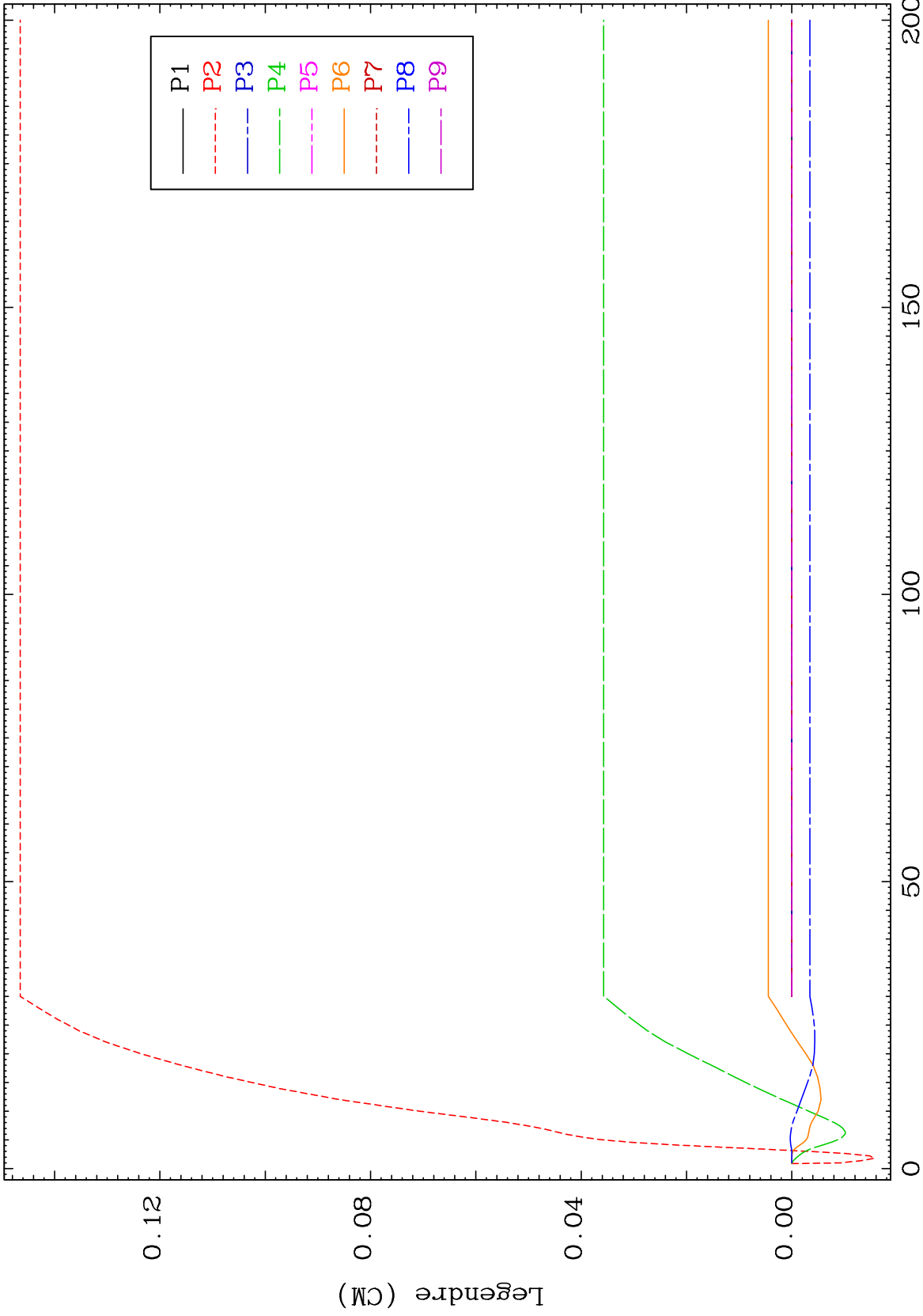
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



56

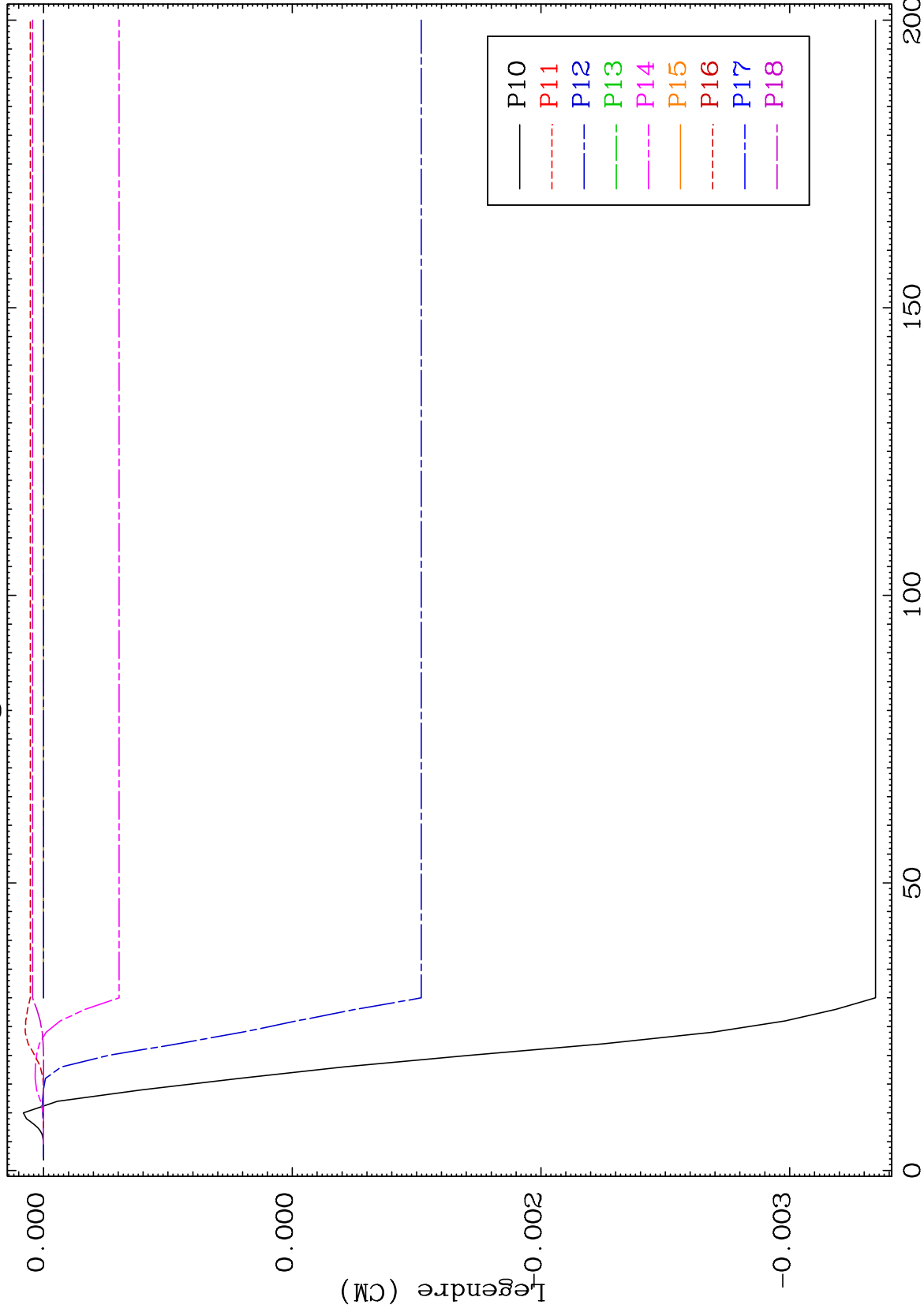
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



57

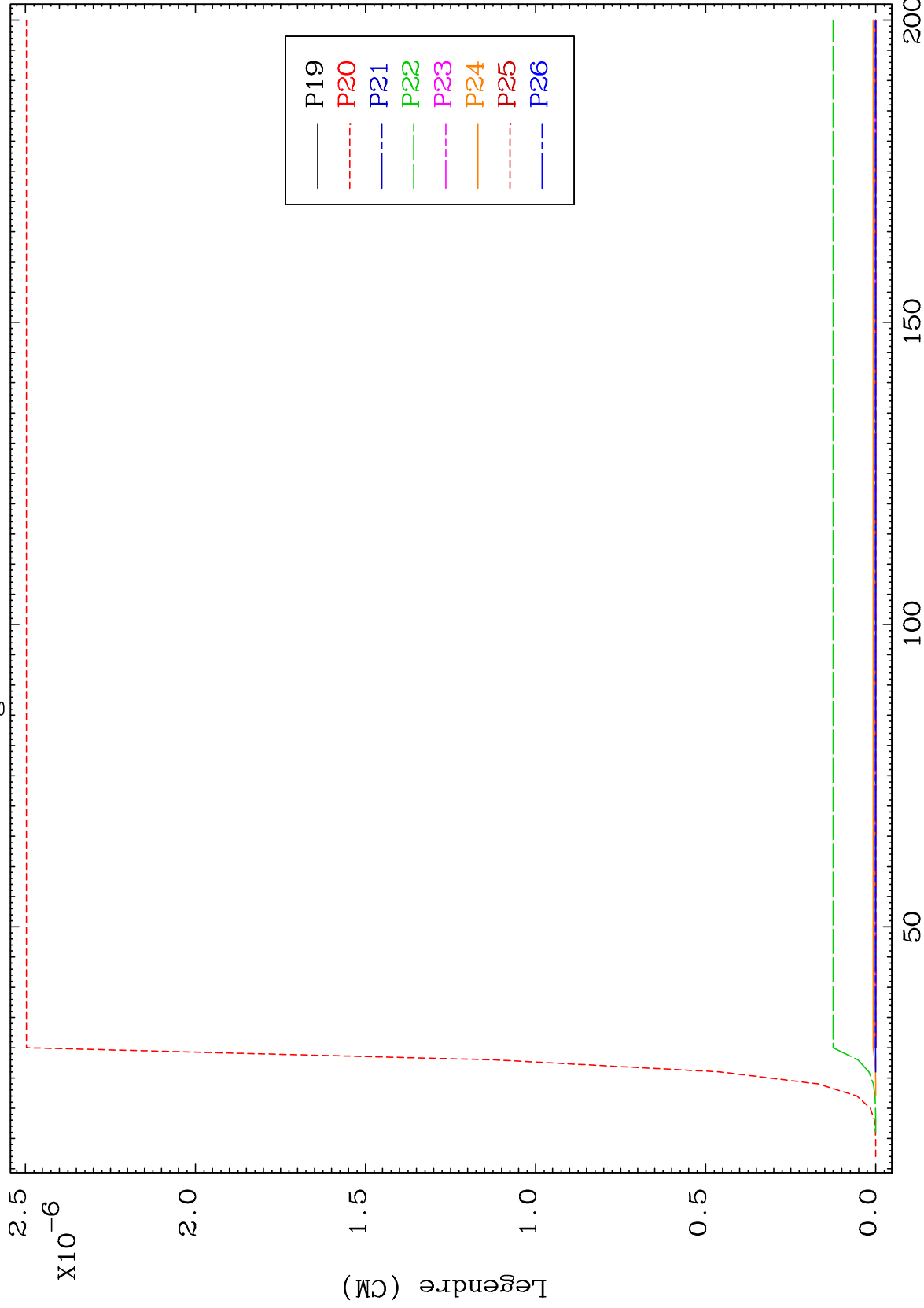
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



58

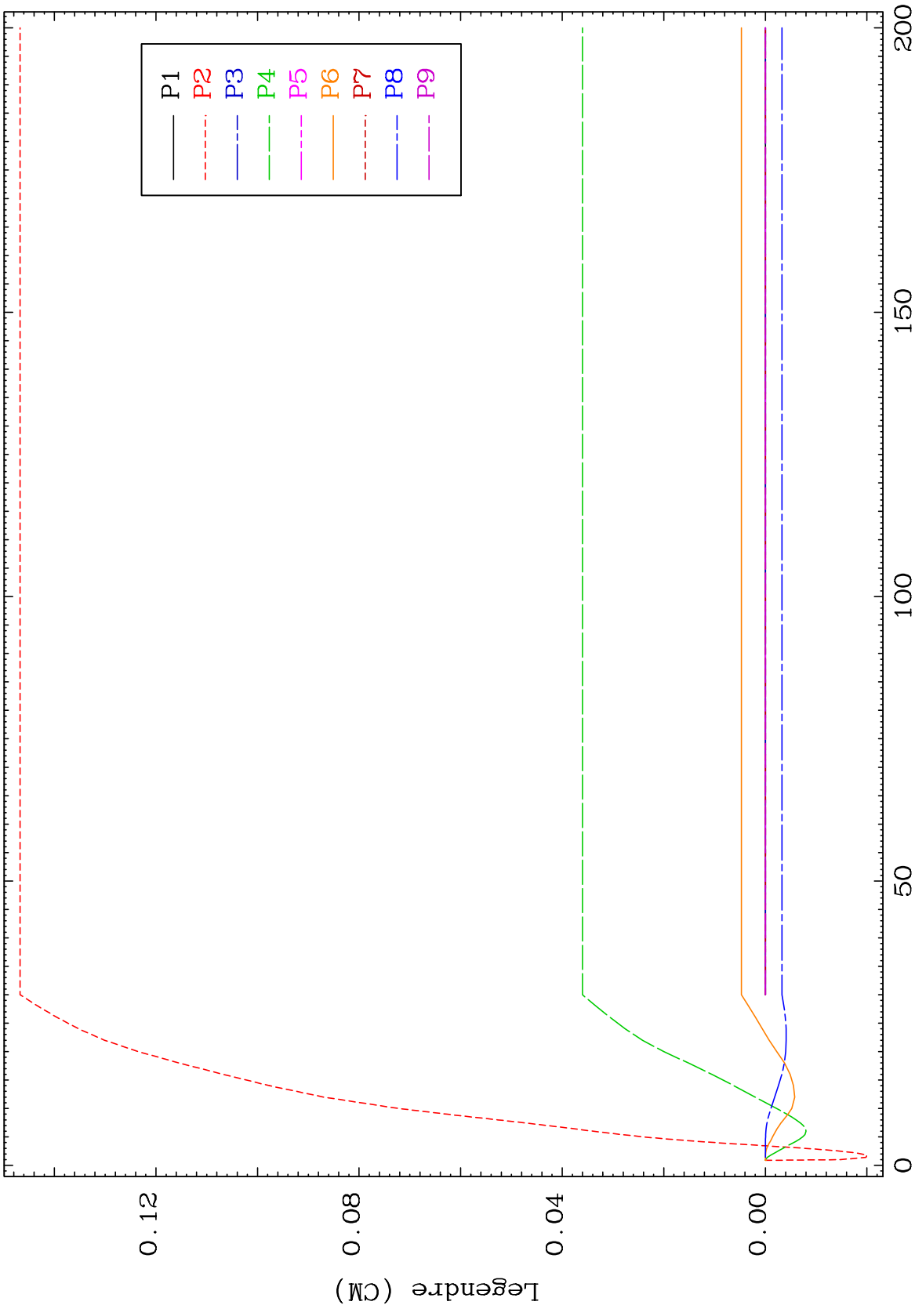
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123

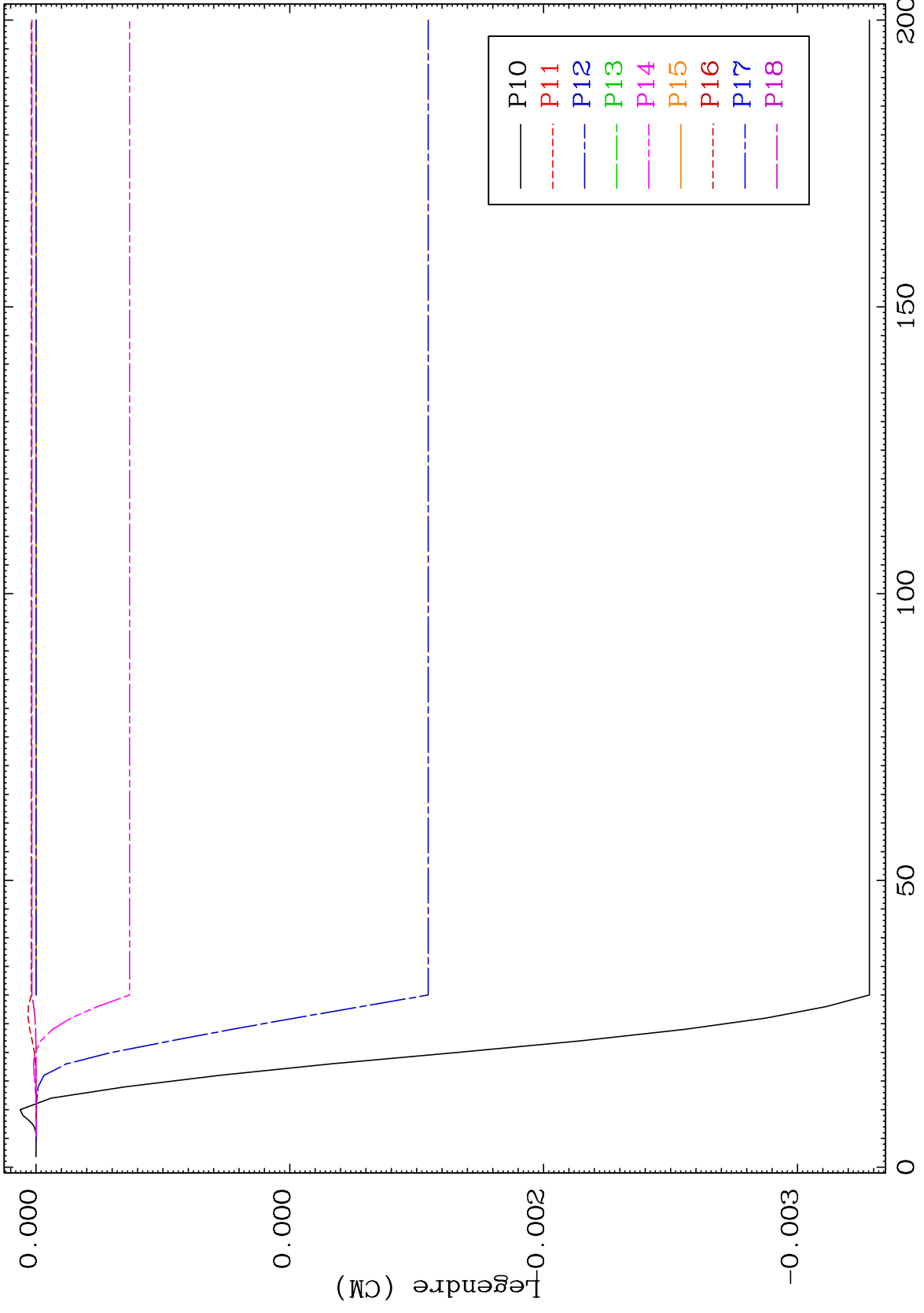


59

Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 64 (n,n') Level Legendre Coefficients 52-Te-123

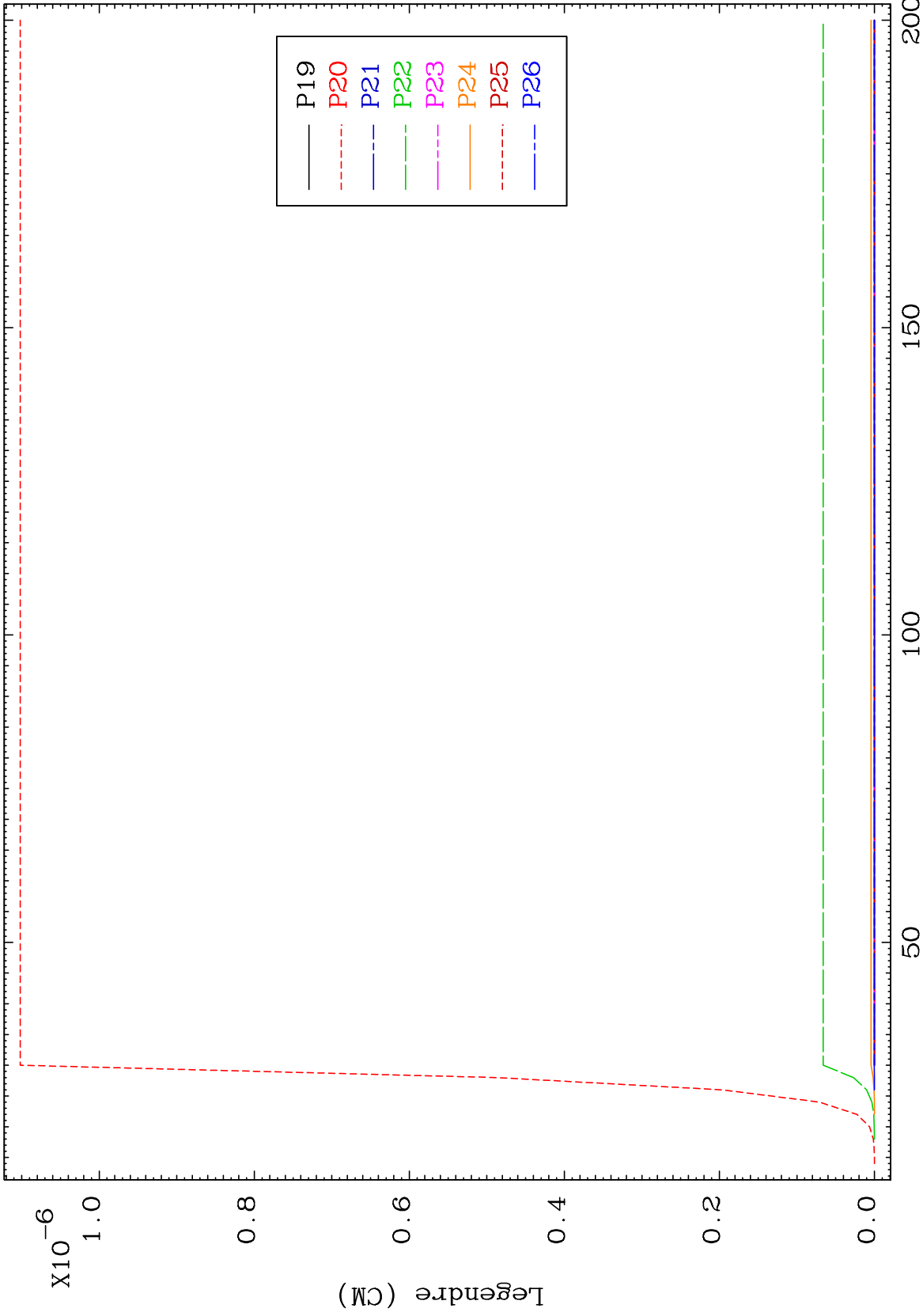


60 Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



61

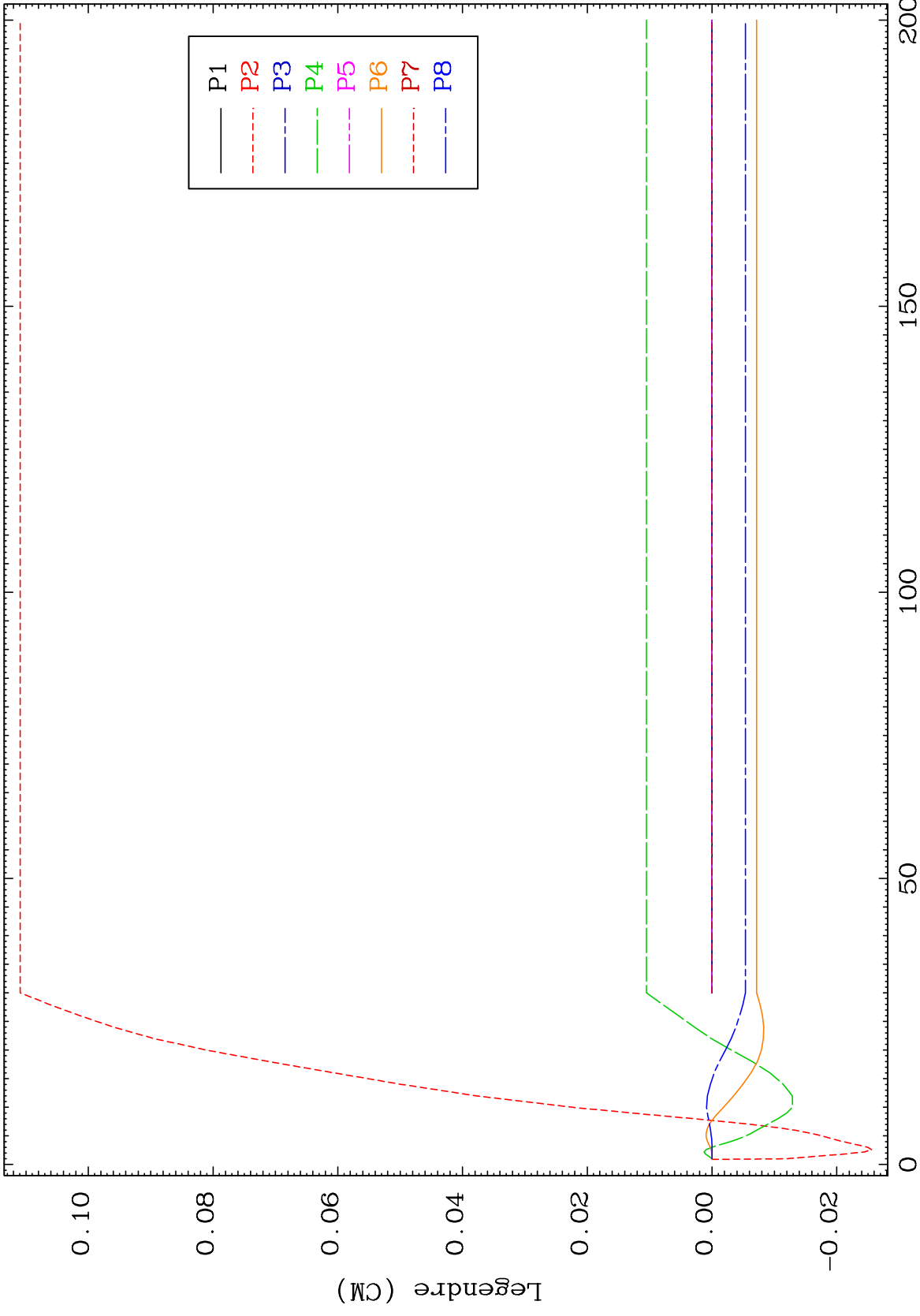
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



62

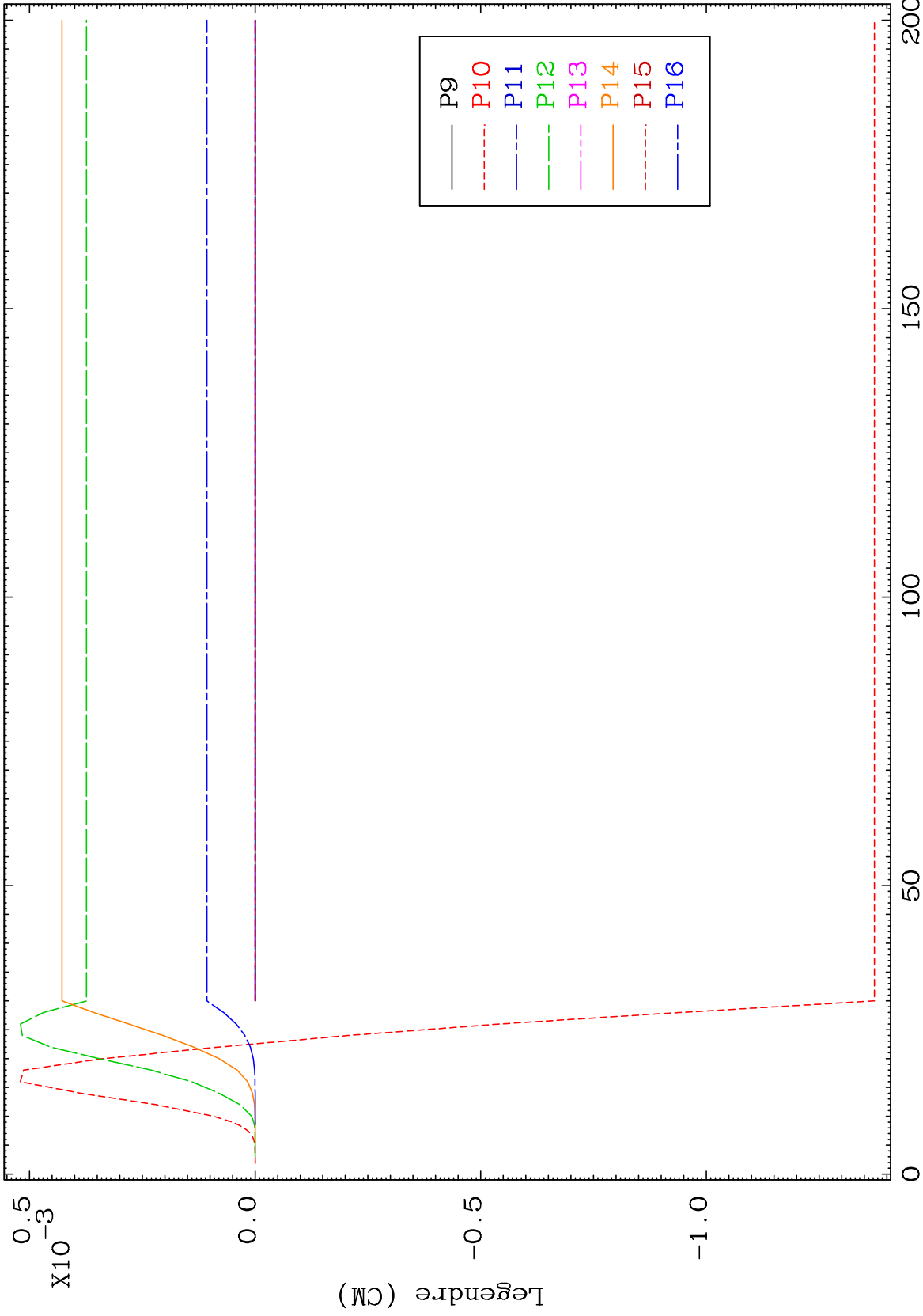
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123

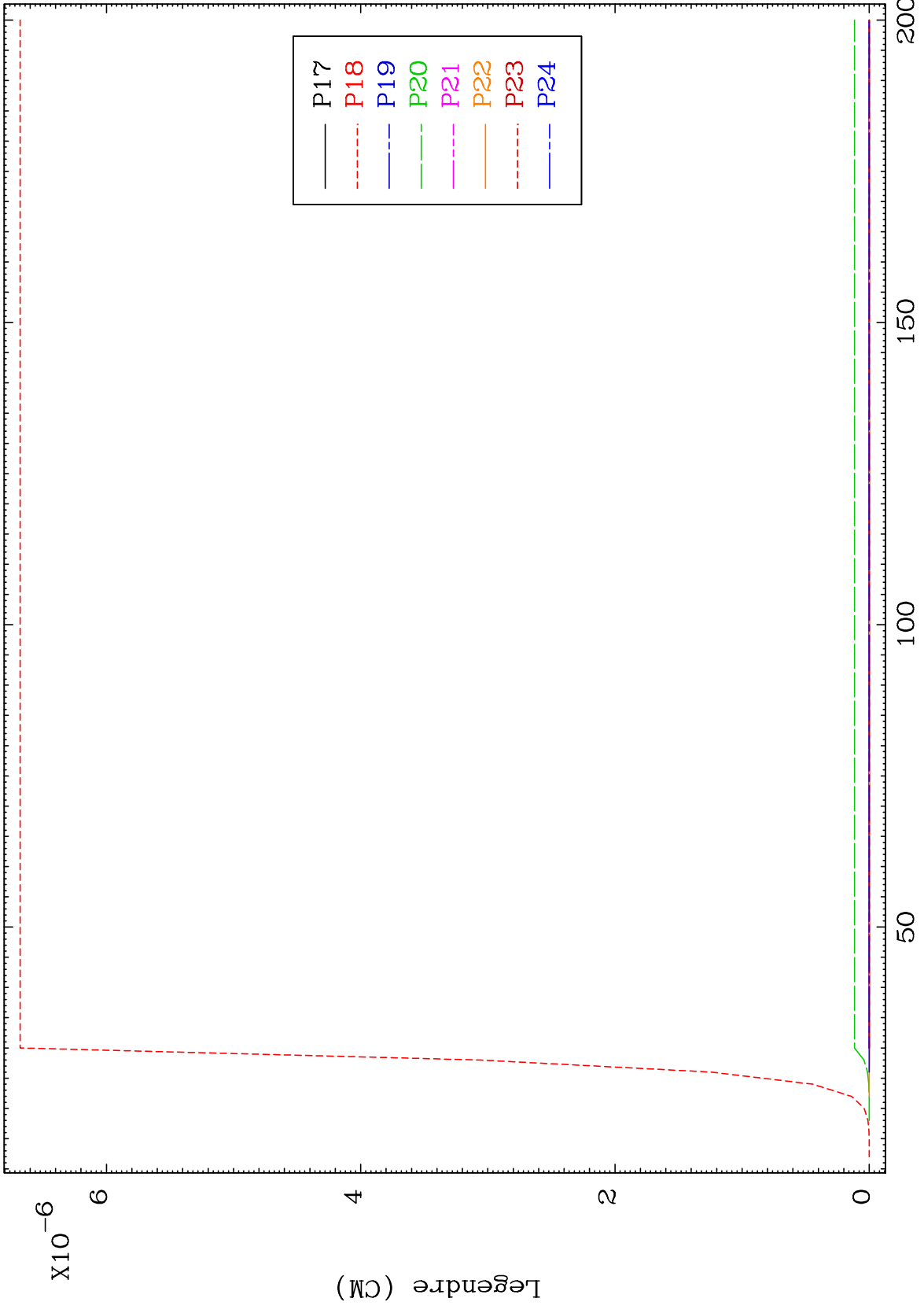


63

Incident Energy (MeV)

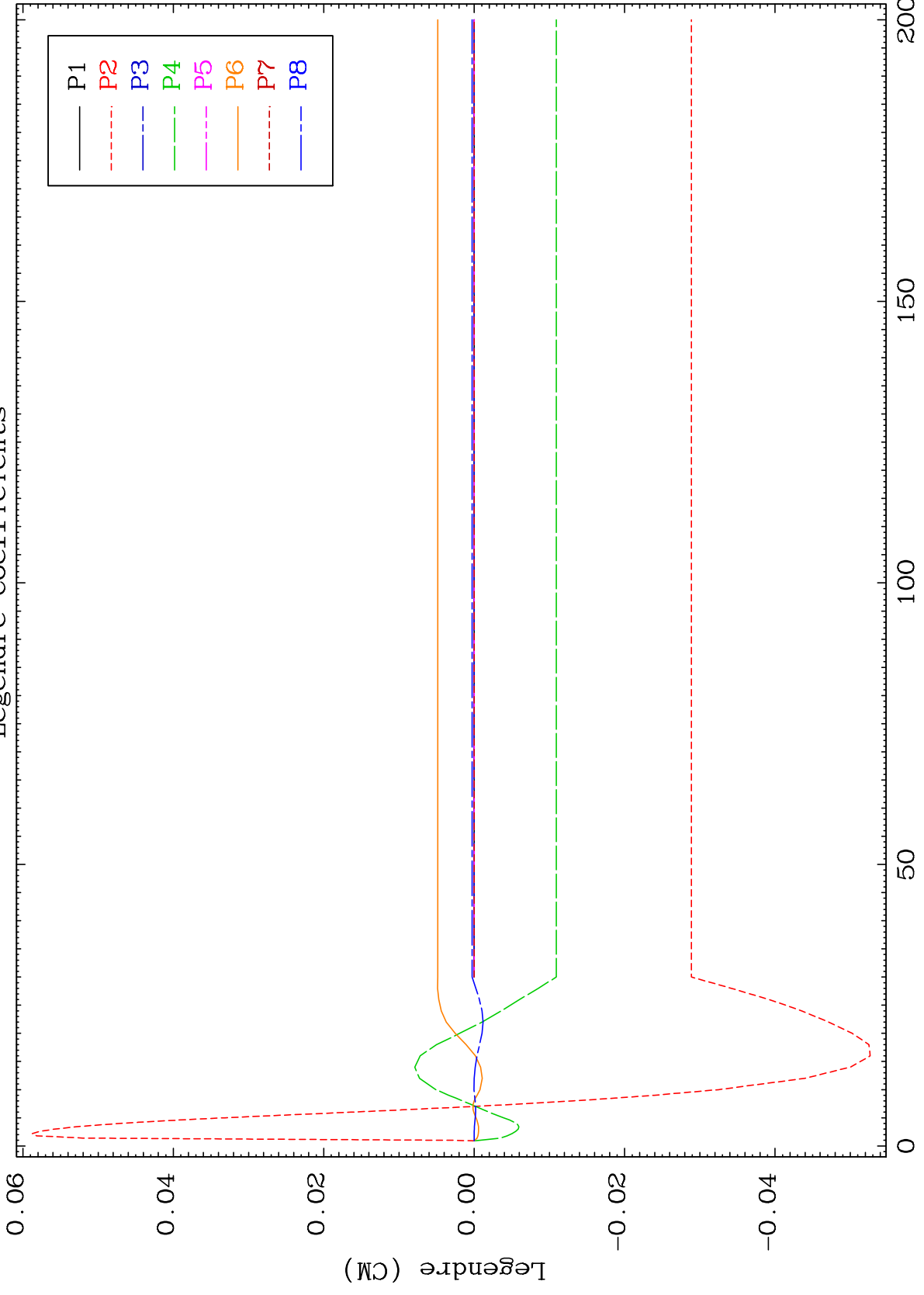
52-Te-123

MAT 5234 MT= 65 (n,n') Level Legendre Coefficients 52-Te-123



64 100 150 200 Incident Energy (MeV) 52-Te-123

MAT 5234 MT= 66 (n,n') Level Legendre Coefficients 52-Te-123

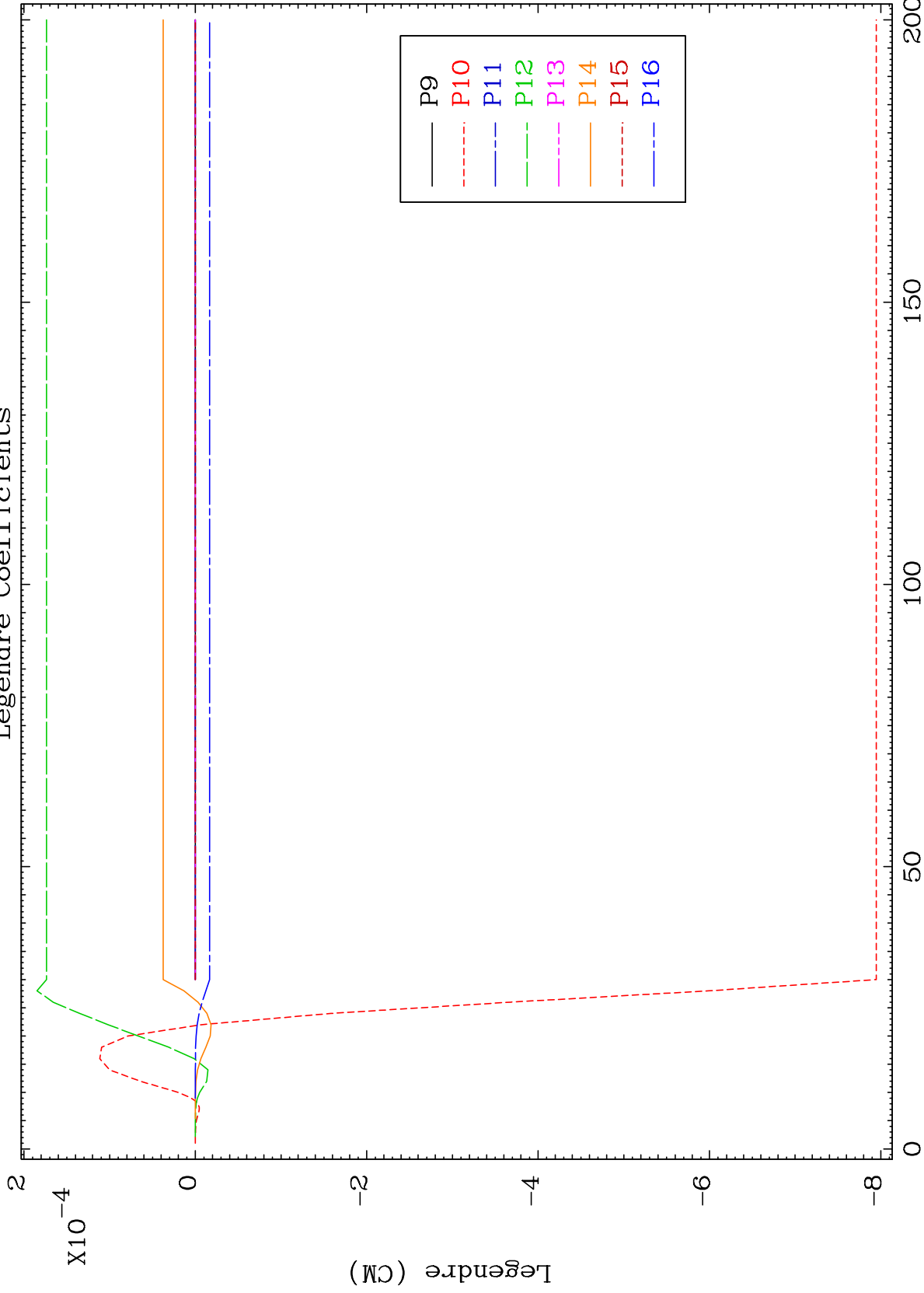


Legendre (CM) Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



66

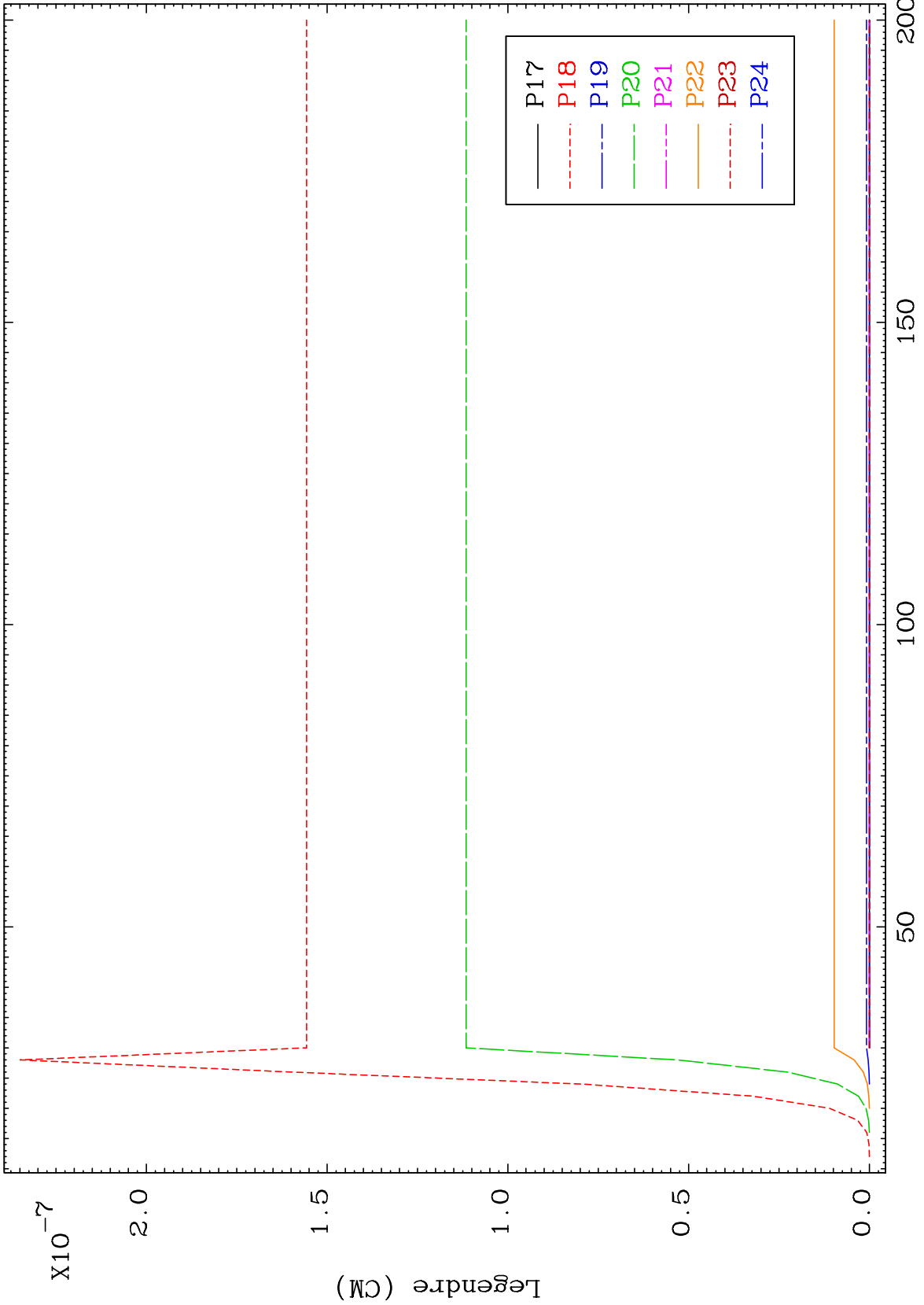
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



67

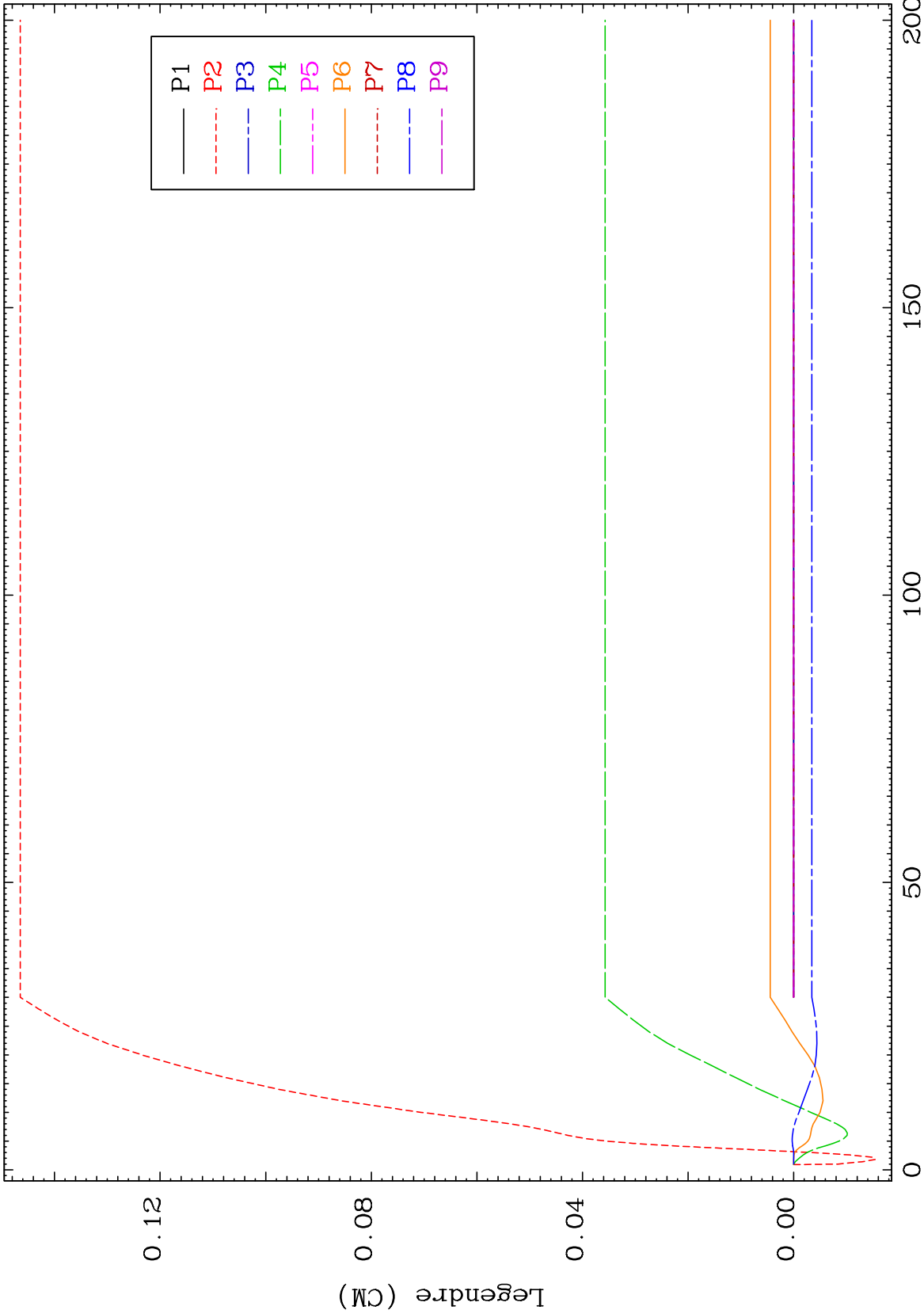
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



68

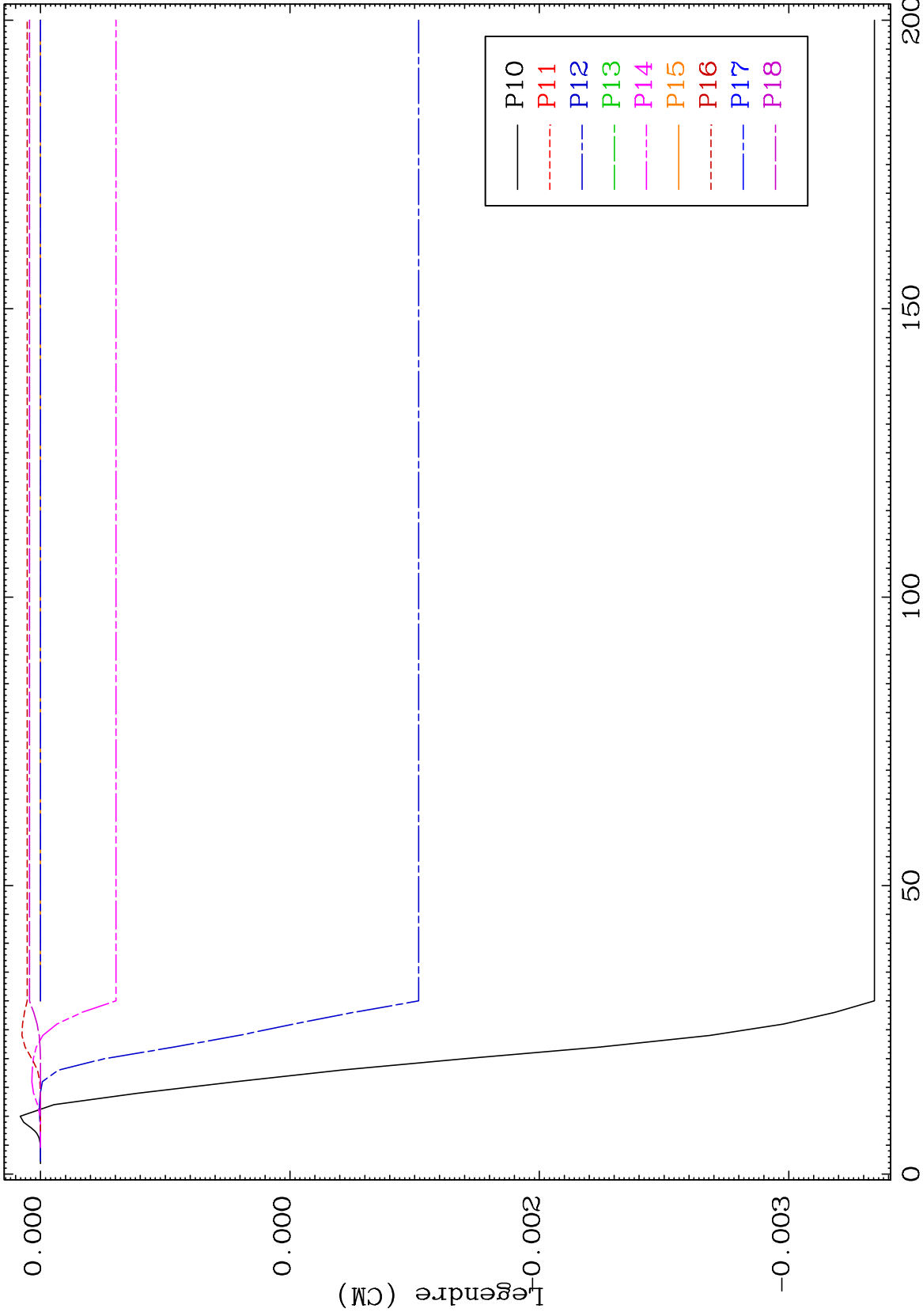
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123

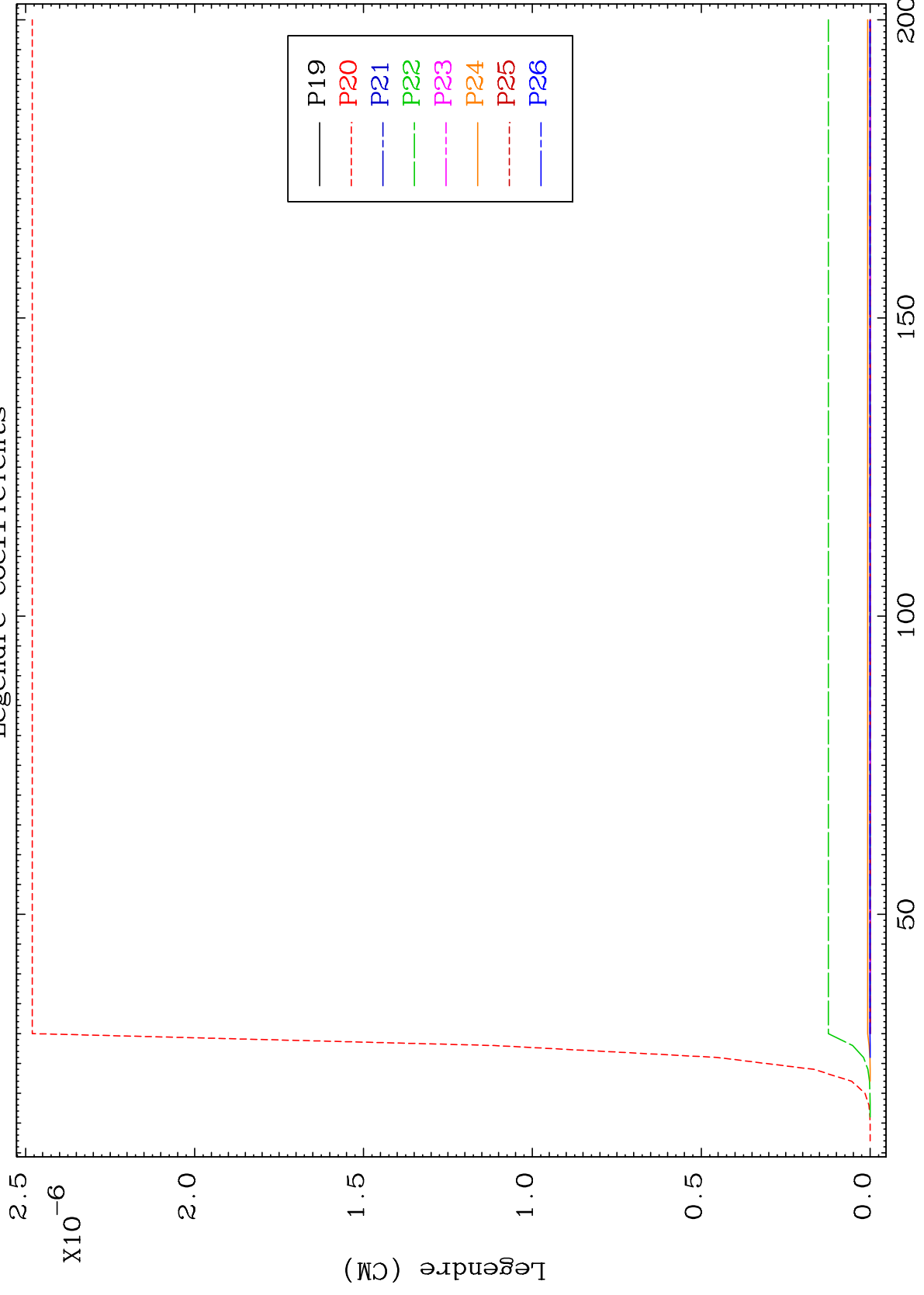


69

Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 67 (n,n') Level Legendre Coefficients 52-Te-123

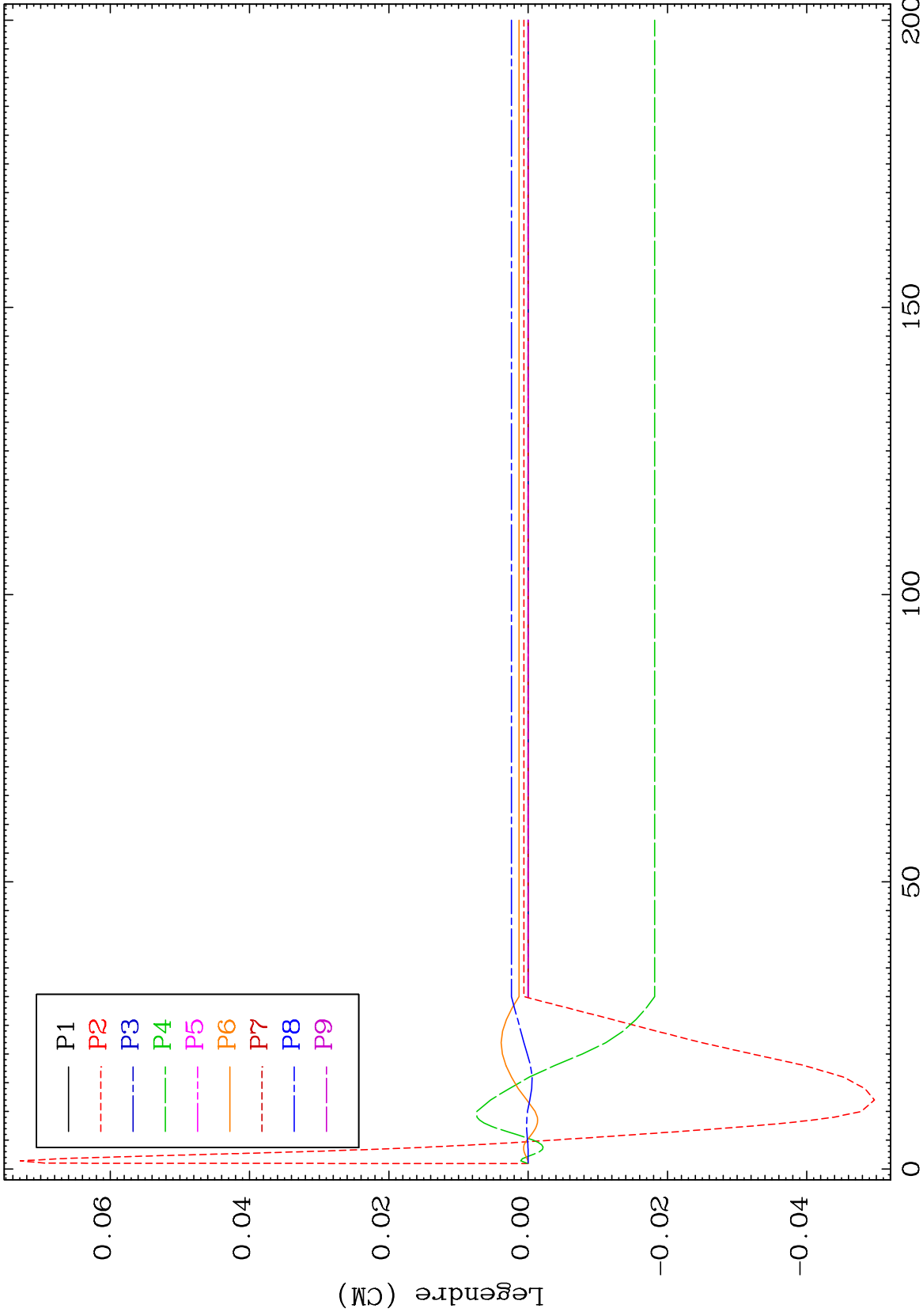


70 50 100 150 200 Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



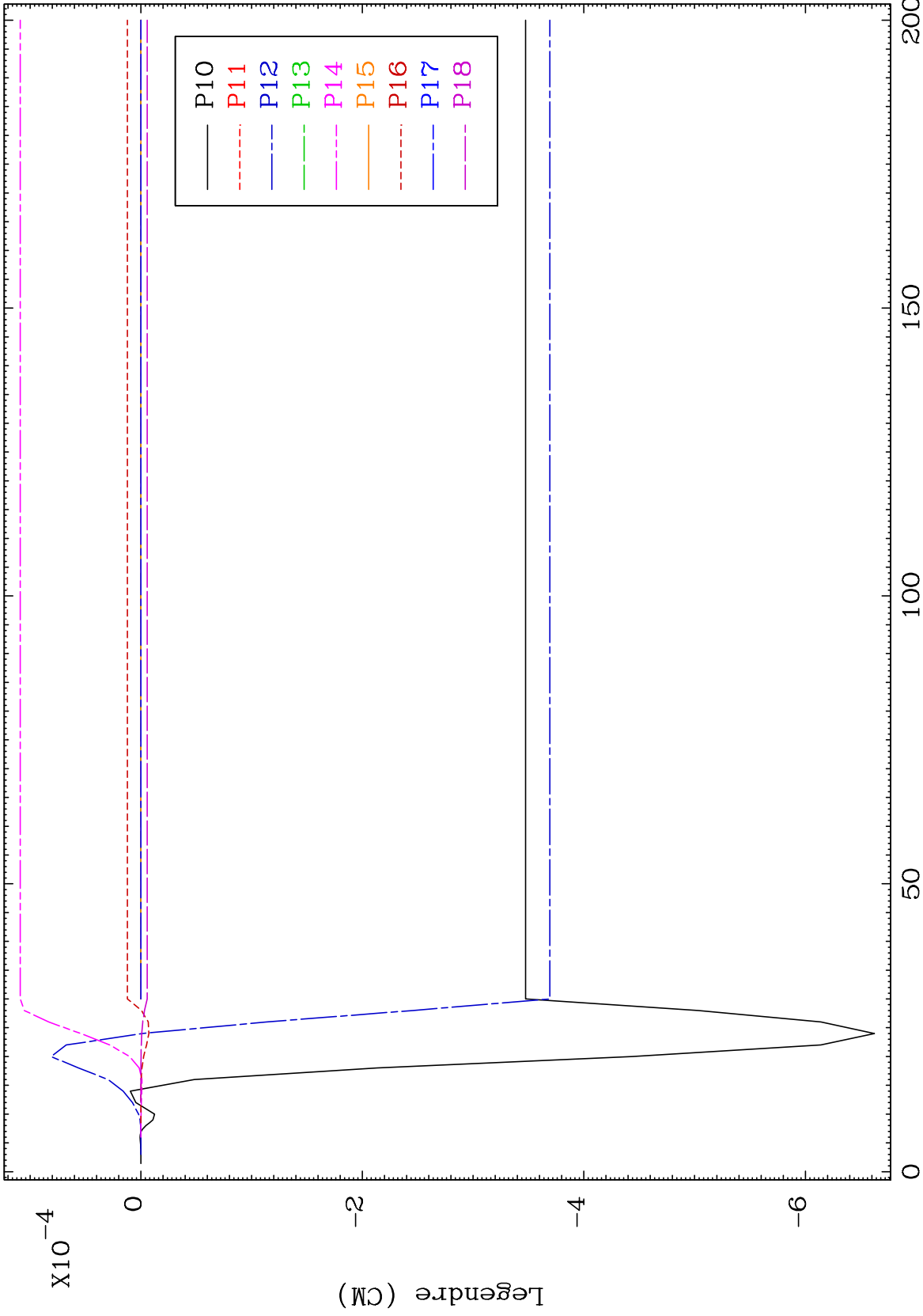
71

52-Te-123

MAT 5234

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

52-Te-123

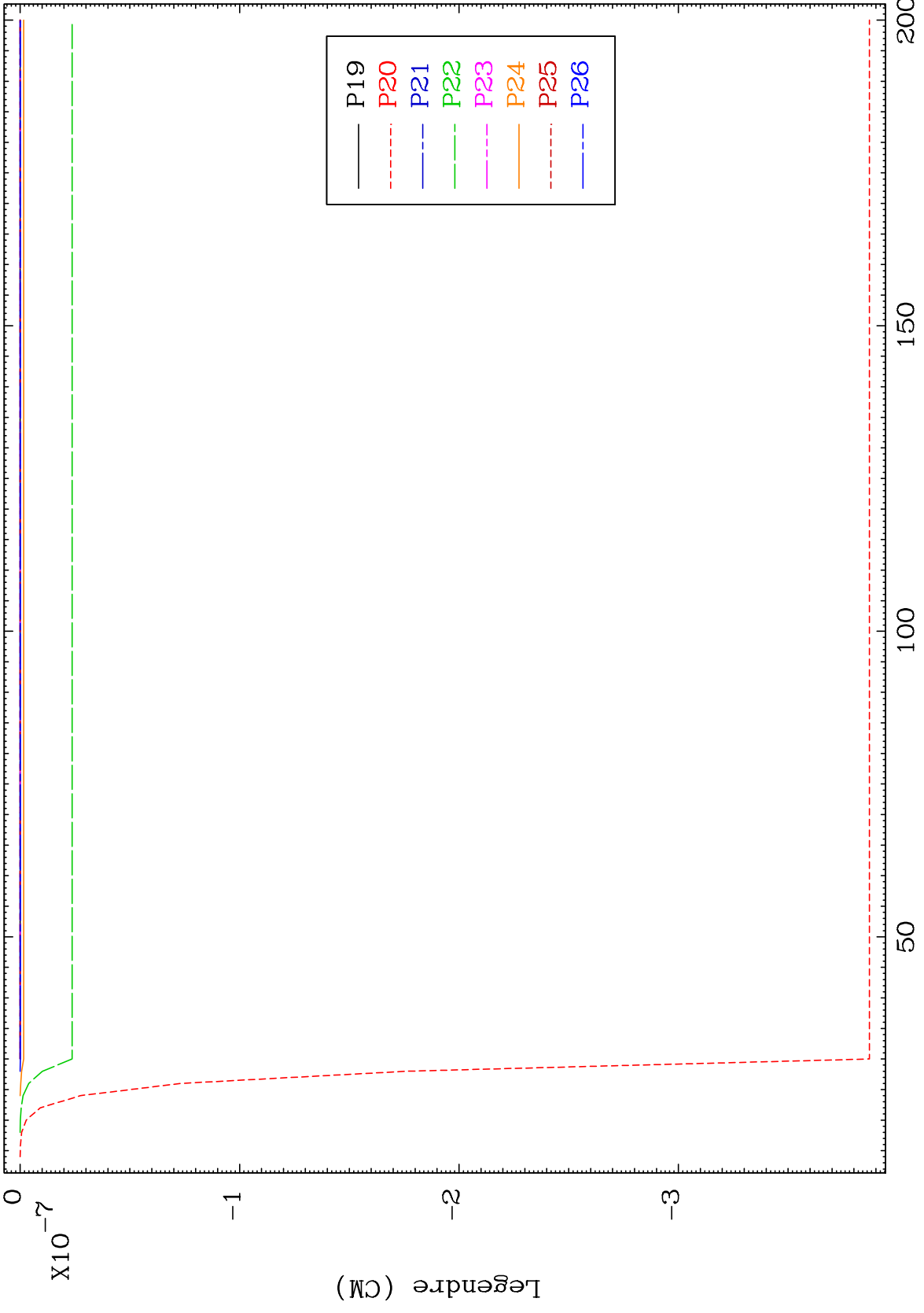


72

Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 68 (n,n') Level Legendre Coefficients 52-Te-123

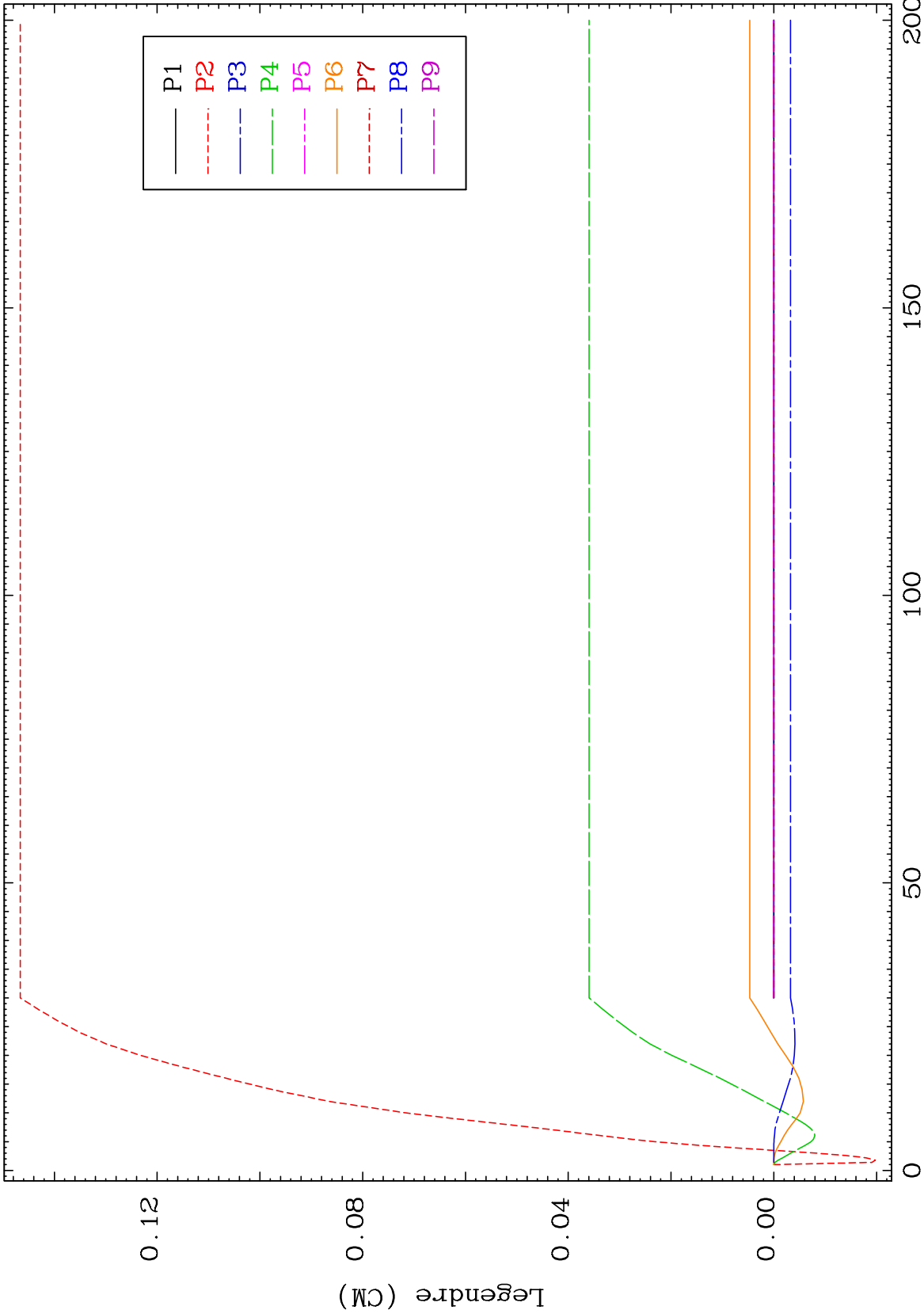


73 52-Te-123

MAT 5234

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

52-Te-123

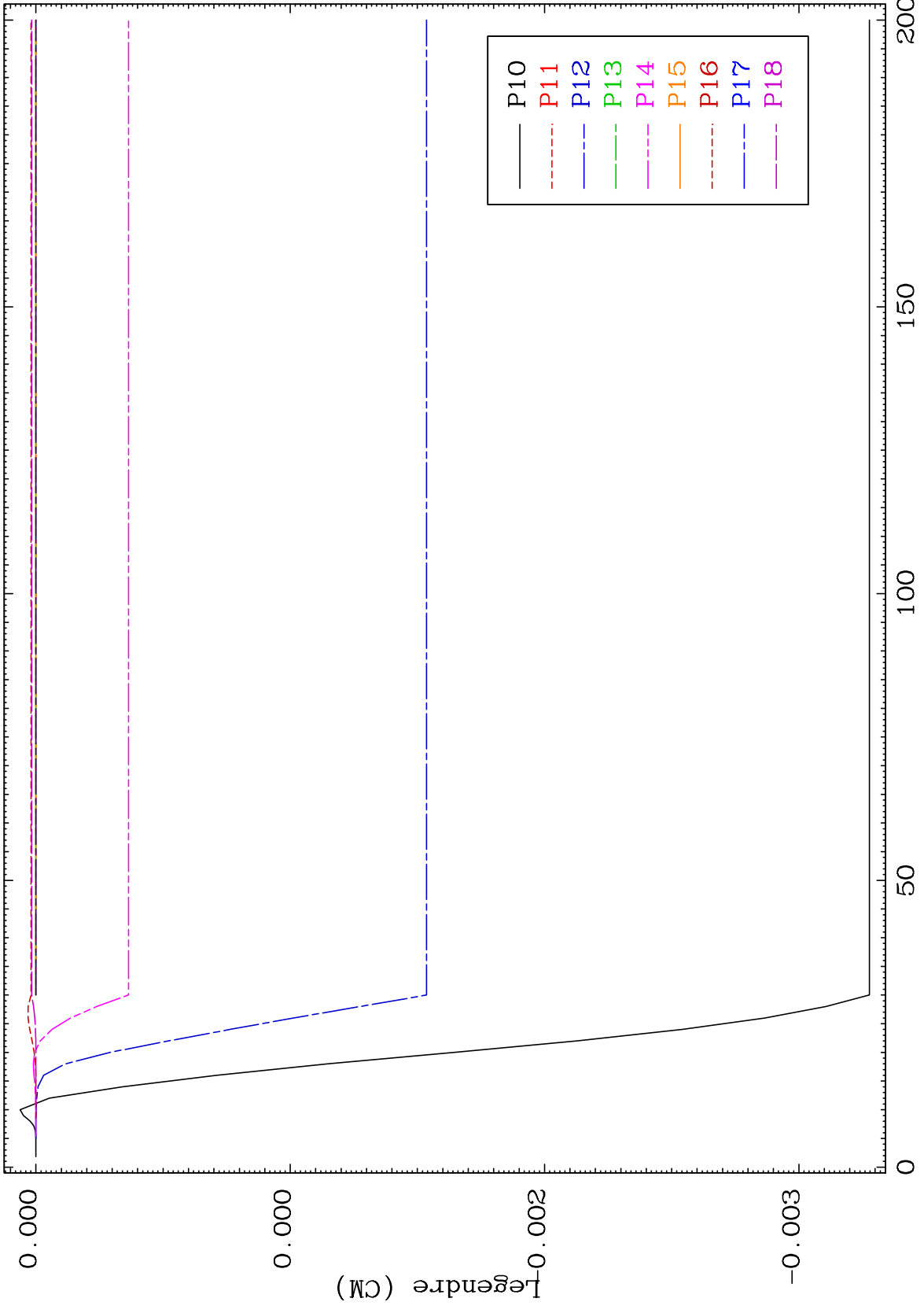


74

Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 69 (n,n') Level Legendre Coefficients 52-Te-123

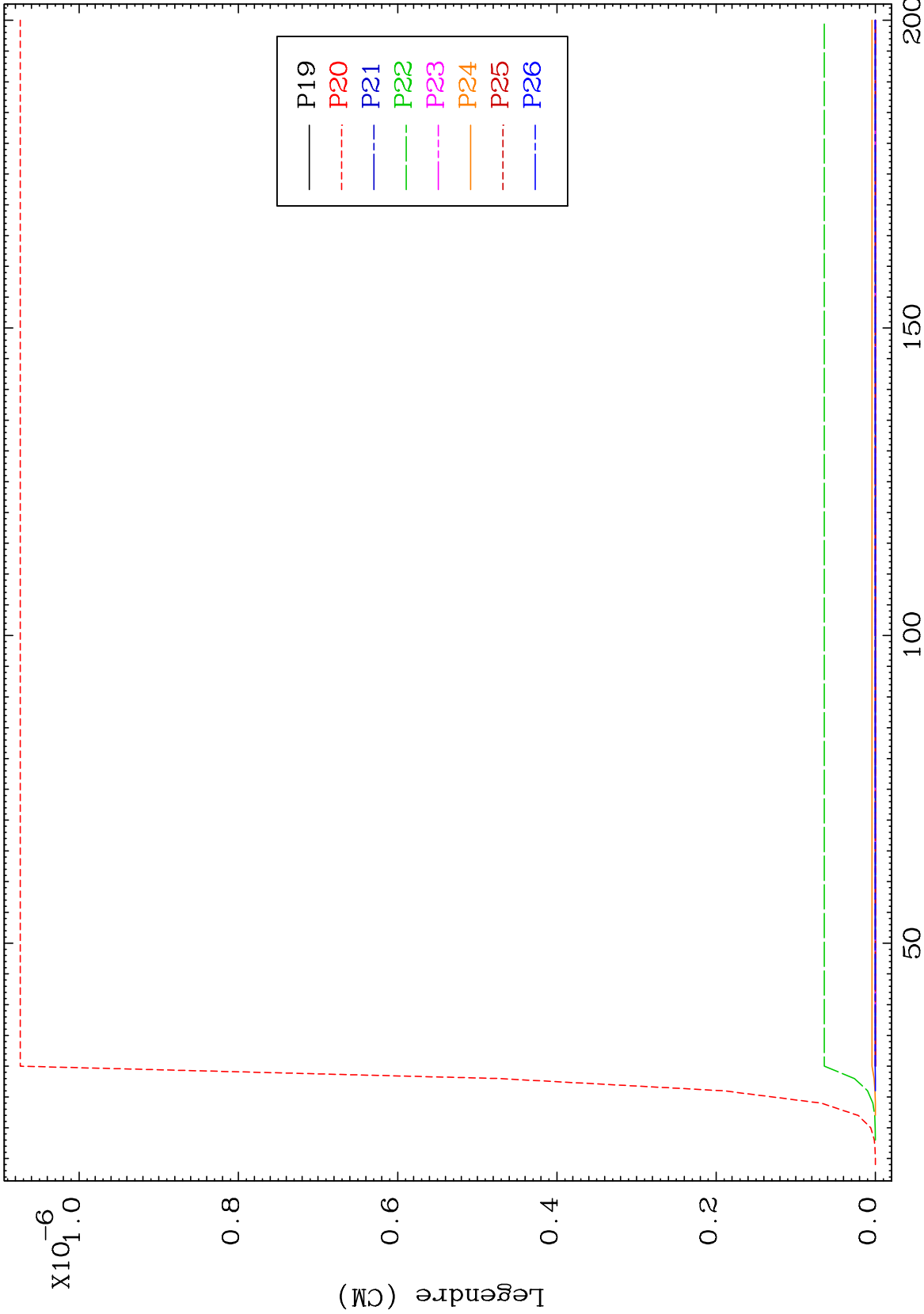


75 Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



76

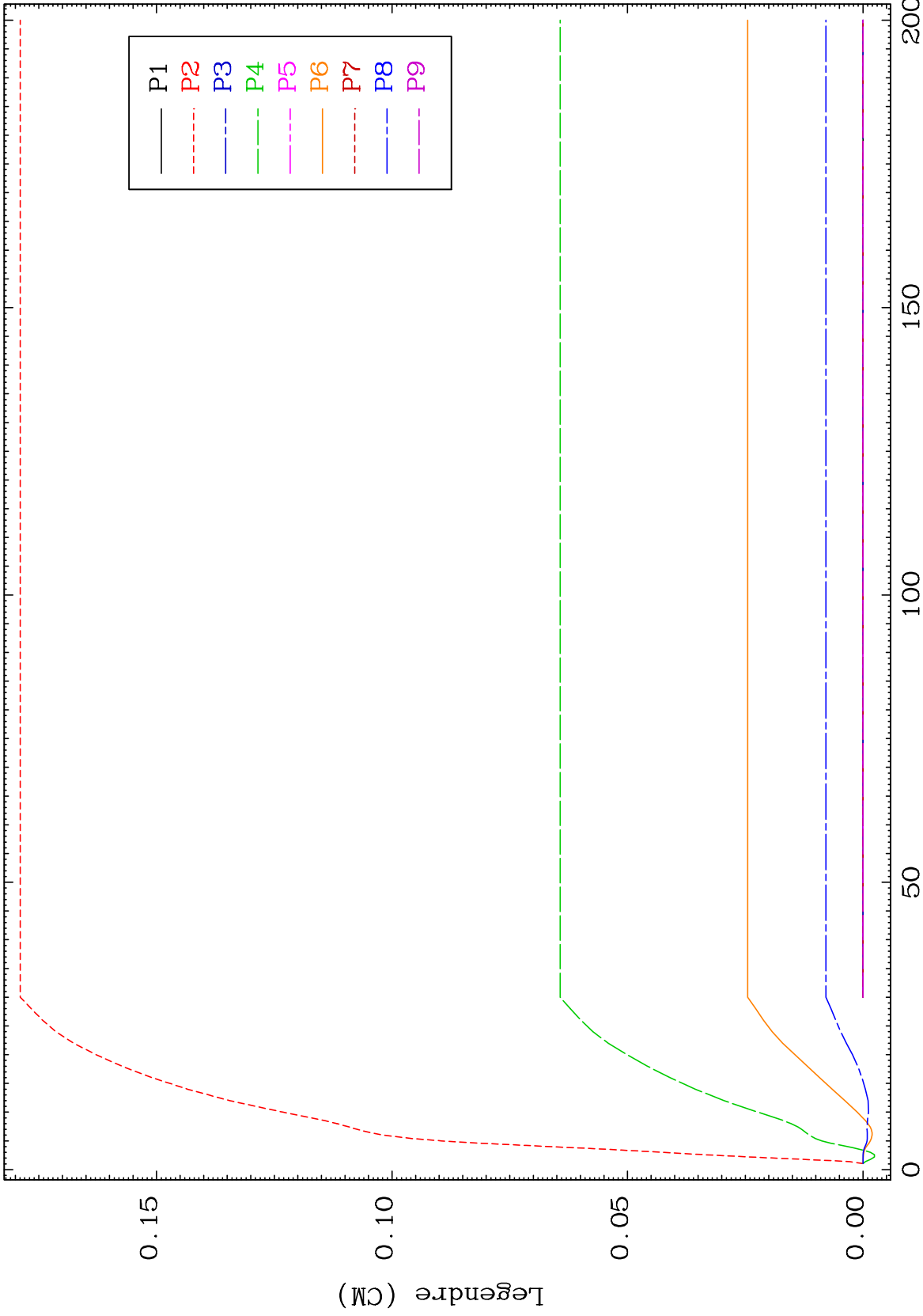
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



77

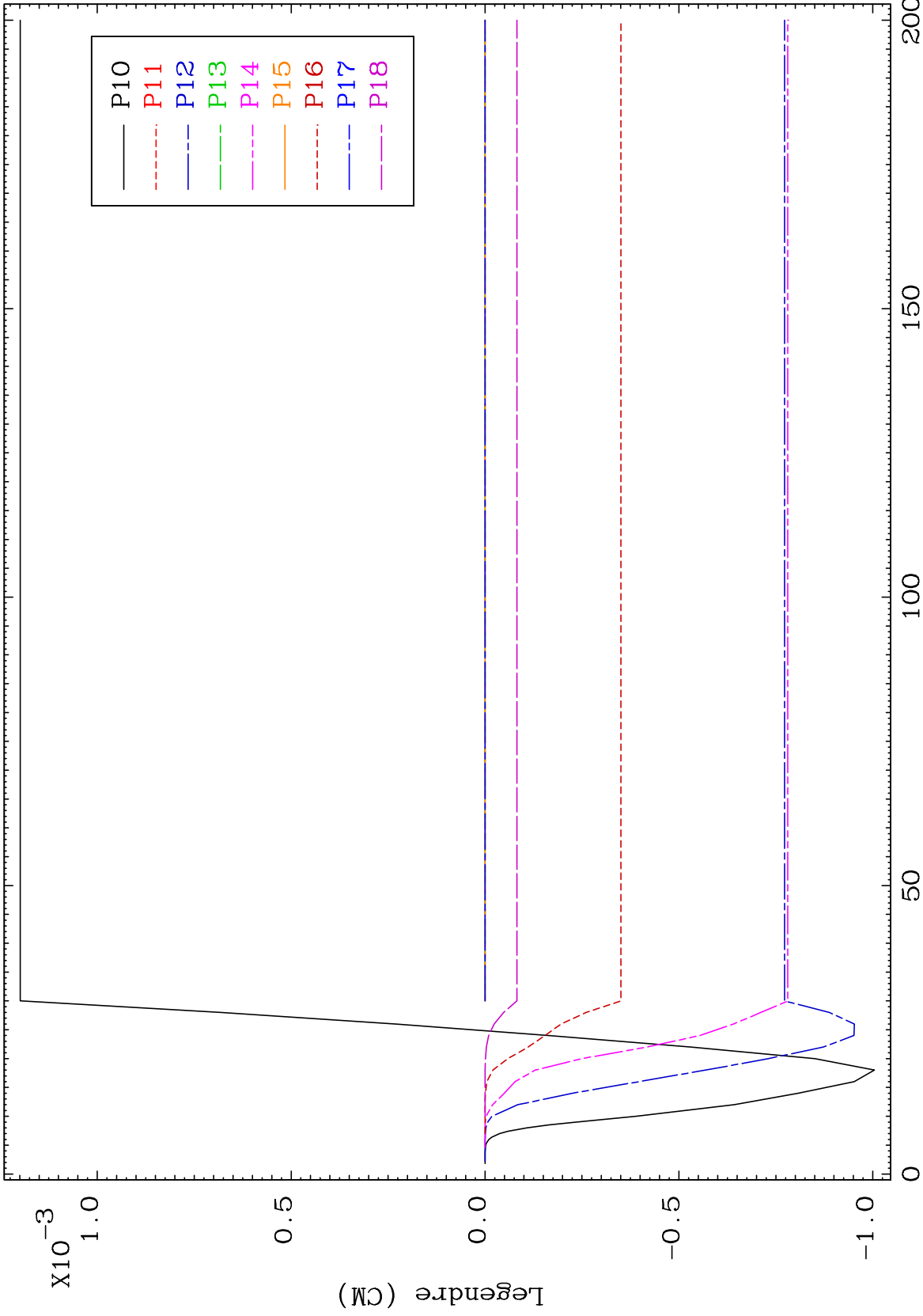
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



78

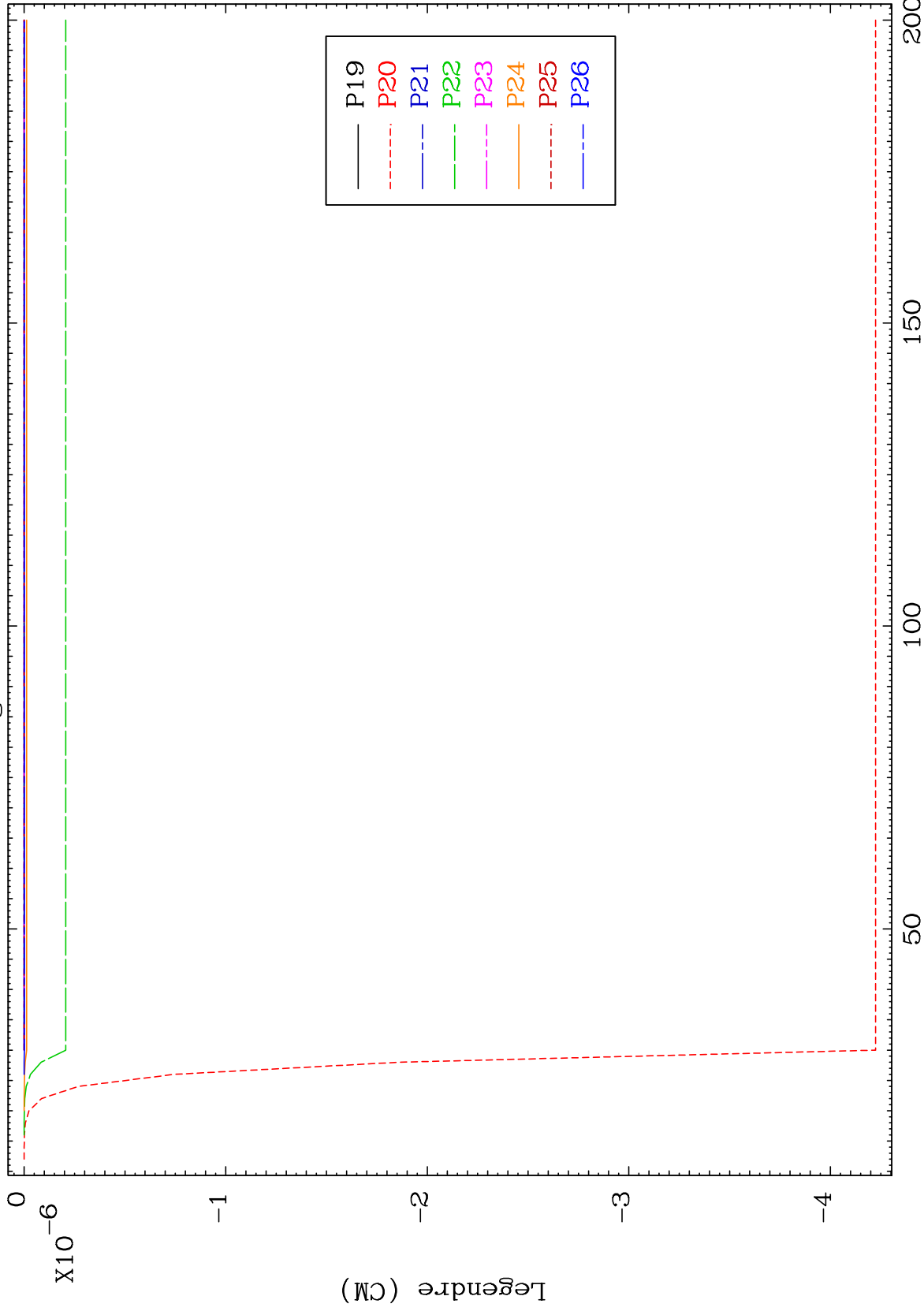
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



79

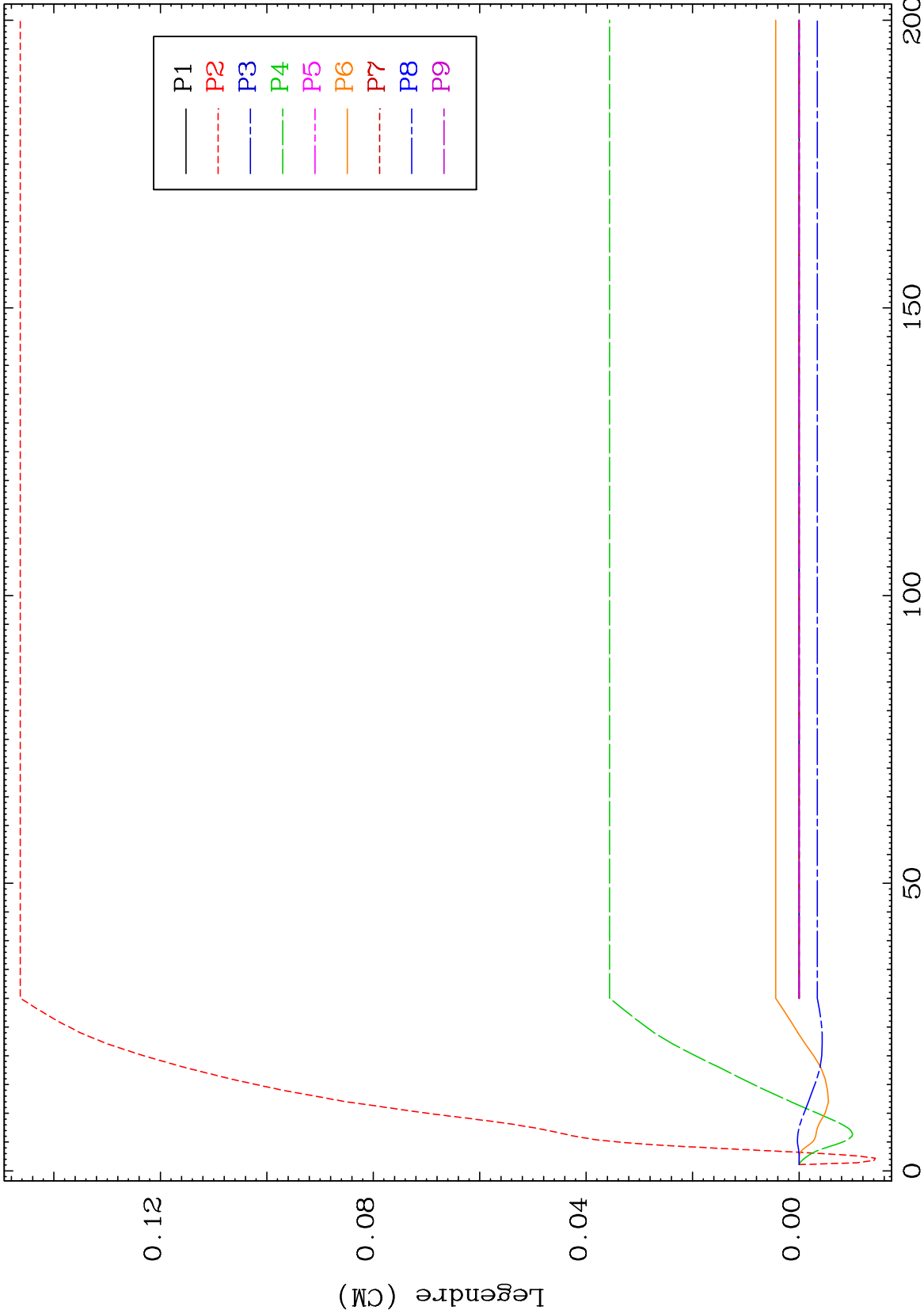
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



80

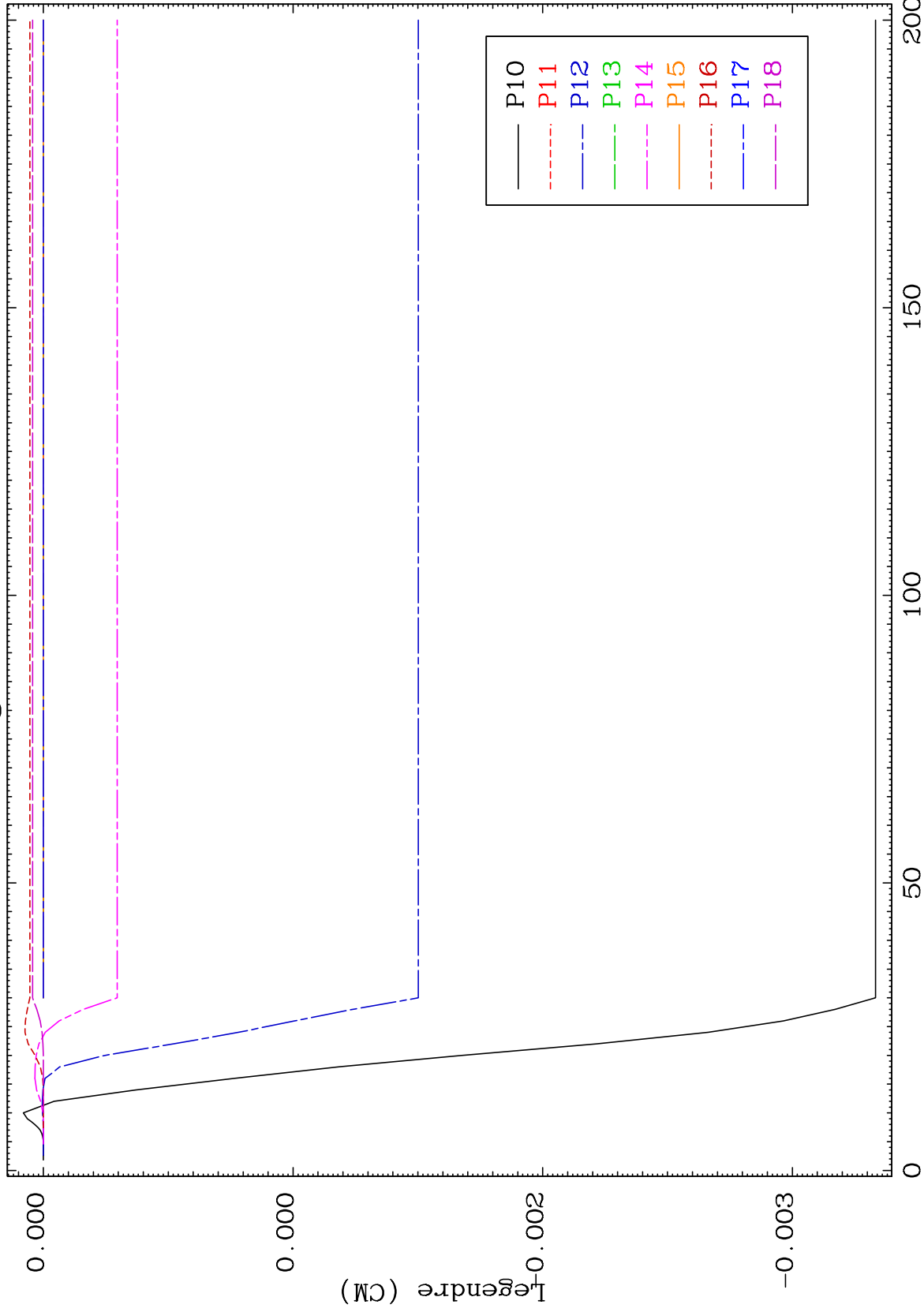
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



81

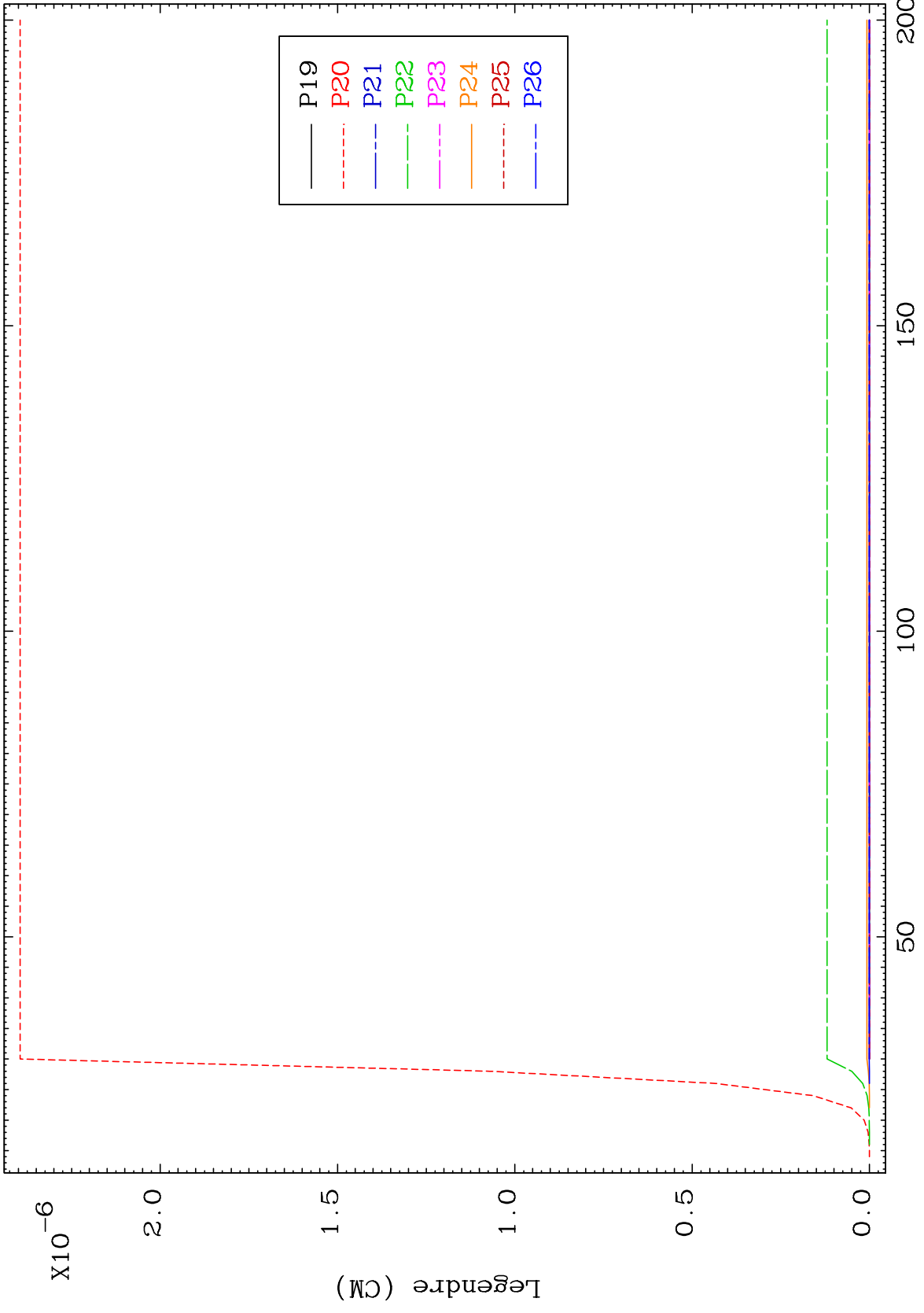
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



82

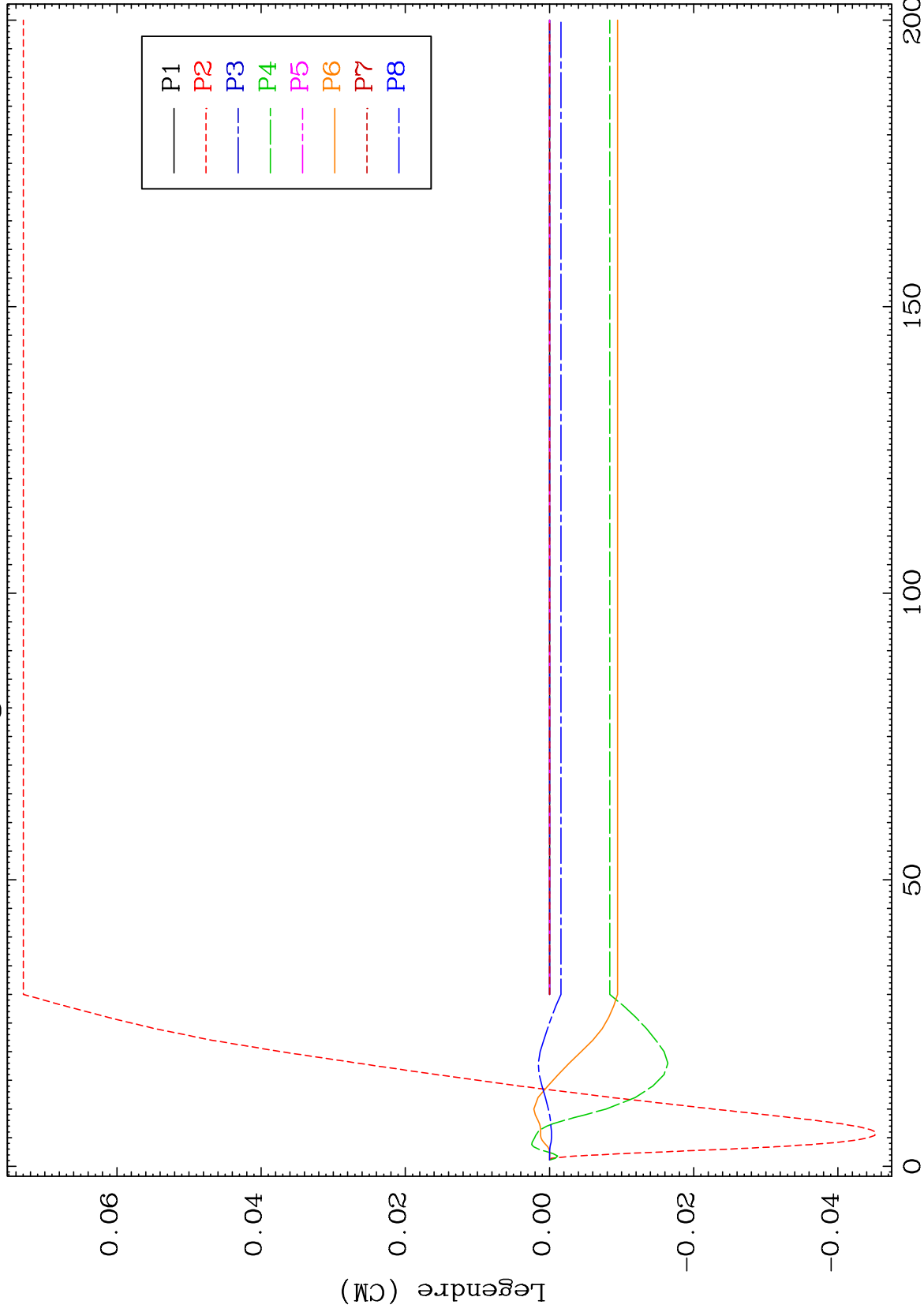
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



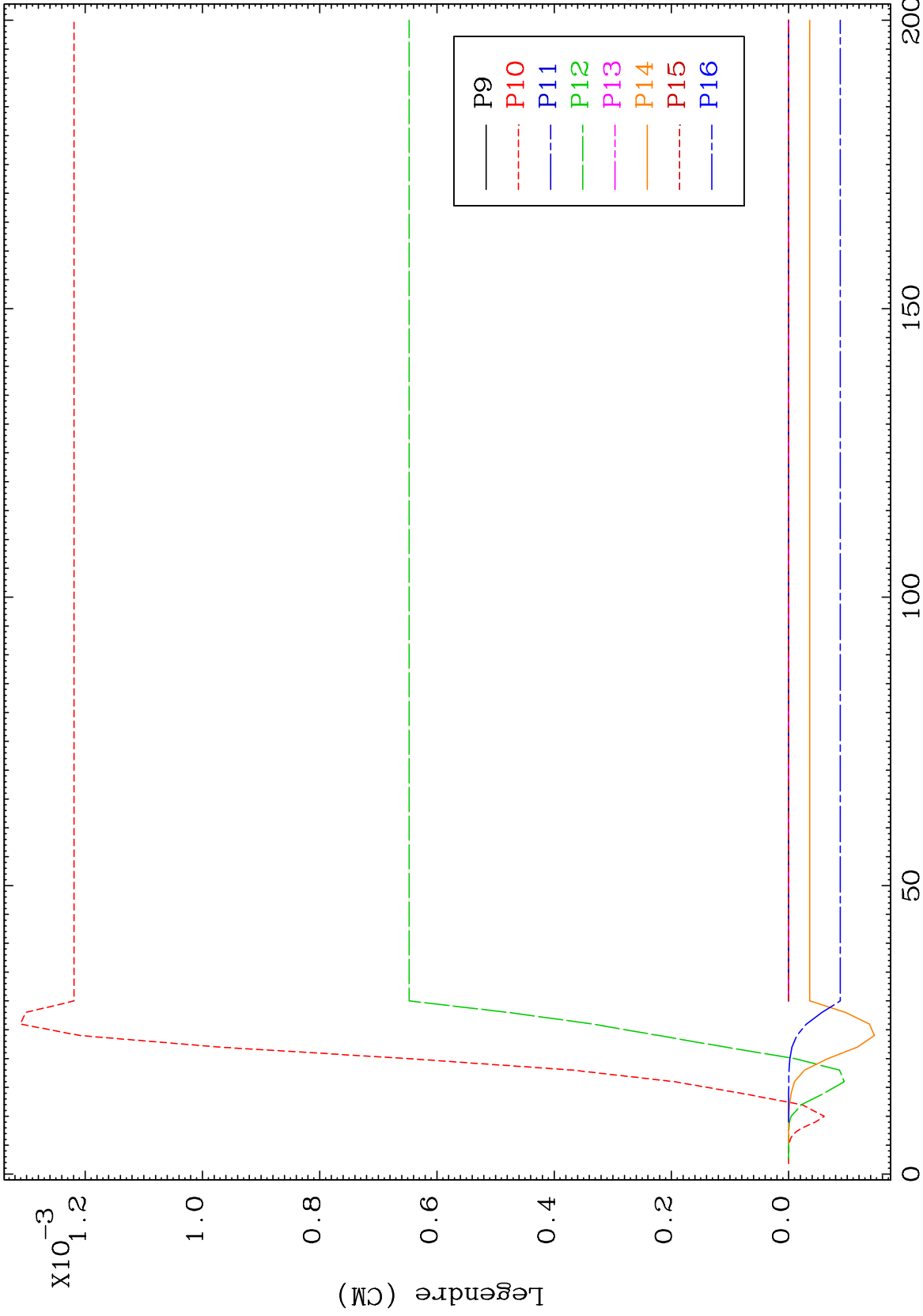
83

52-Te-123

MAT 5234

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

52-Te-123



84

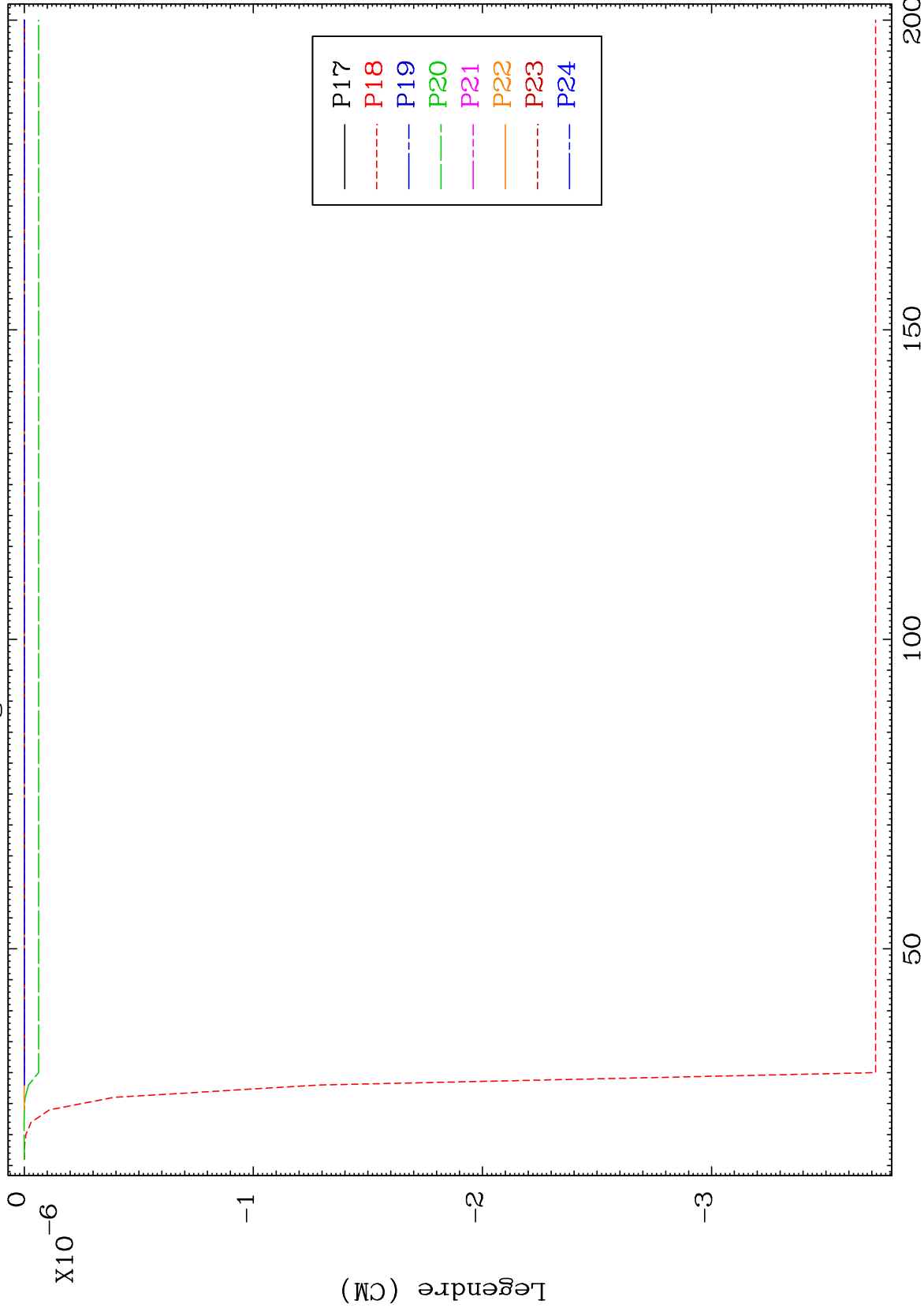
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



85

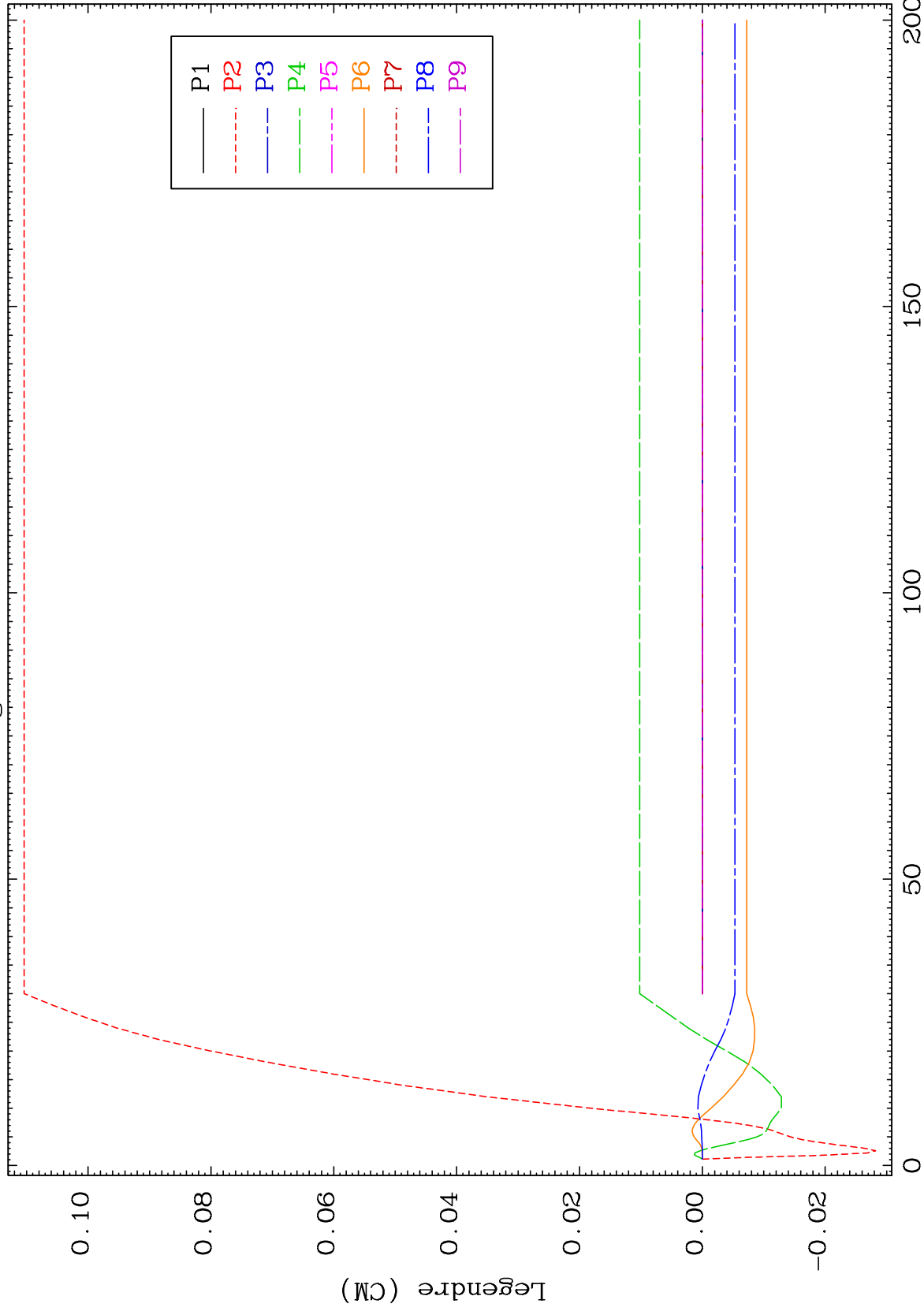
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



86

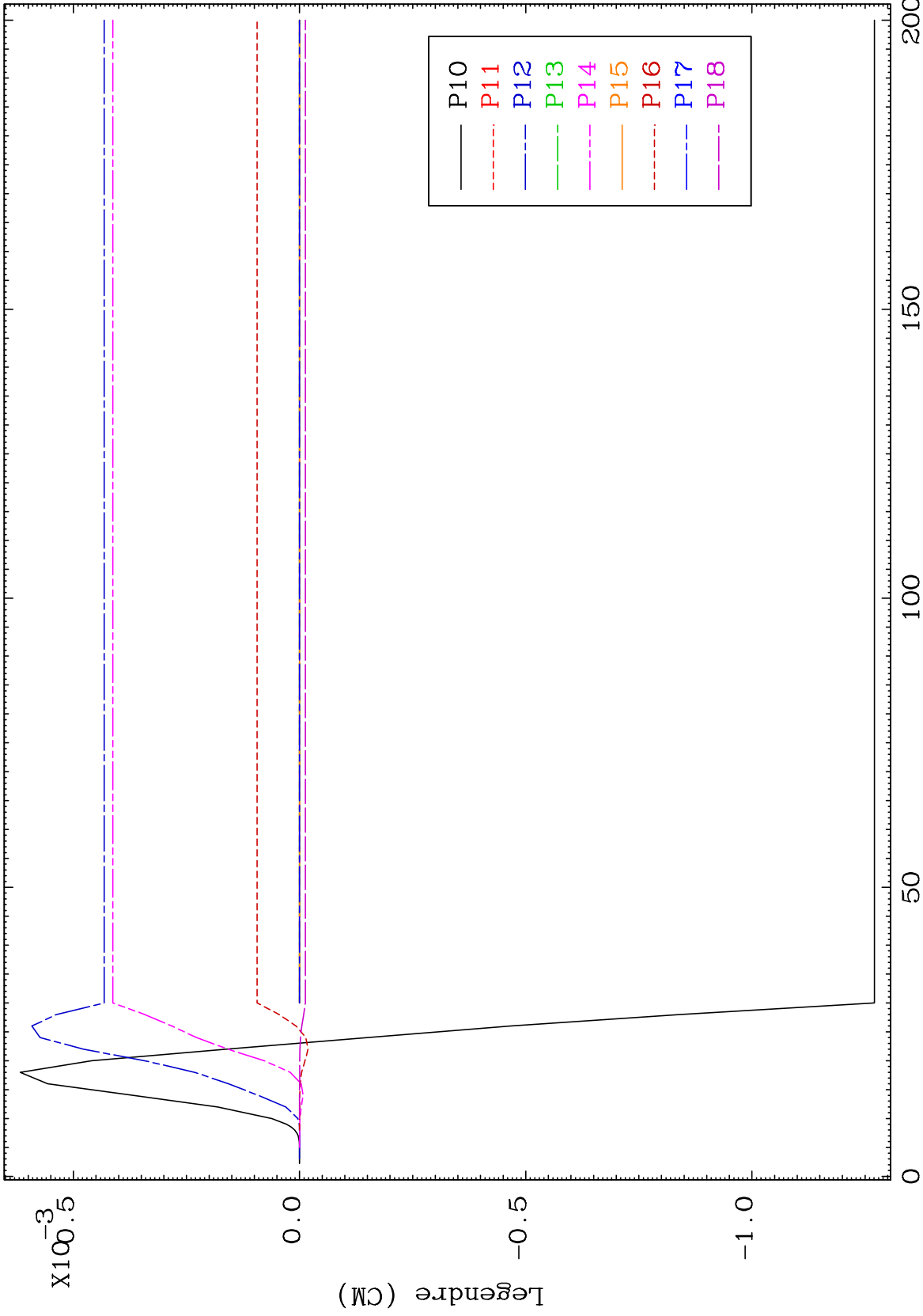
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



87

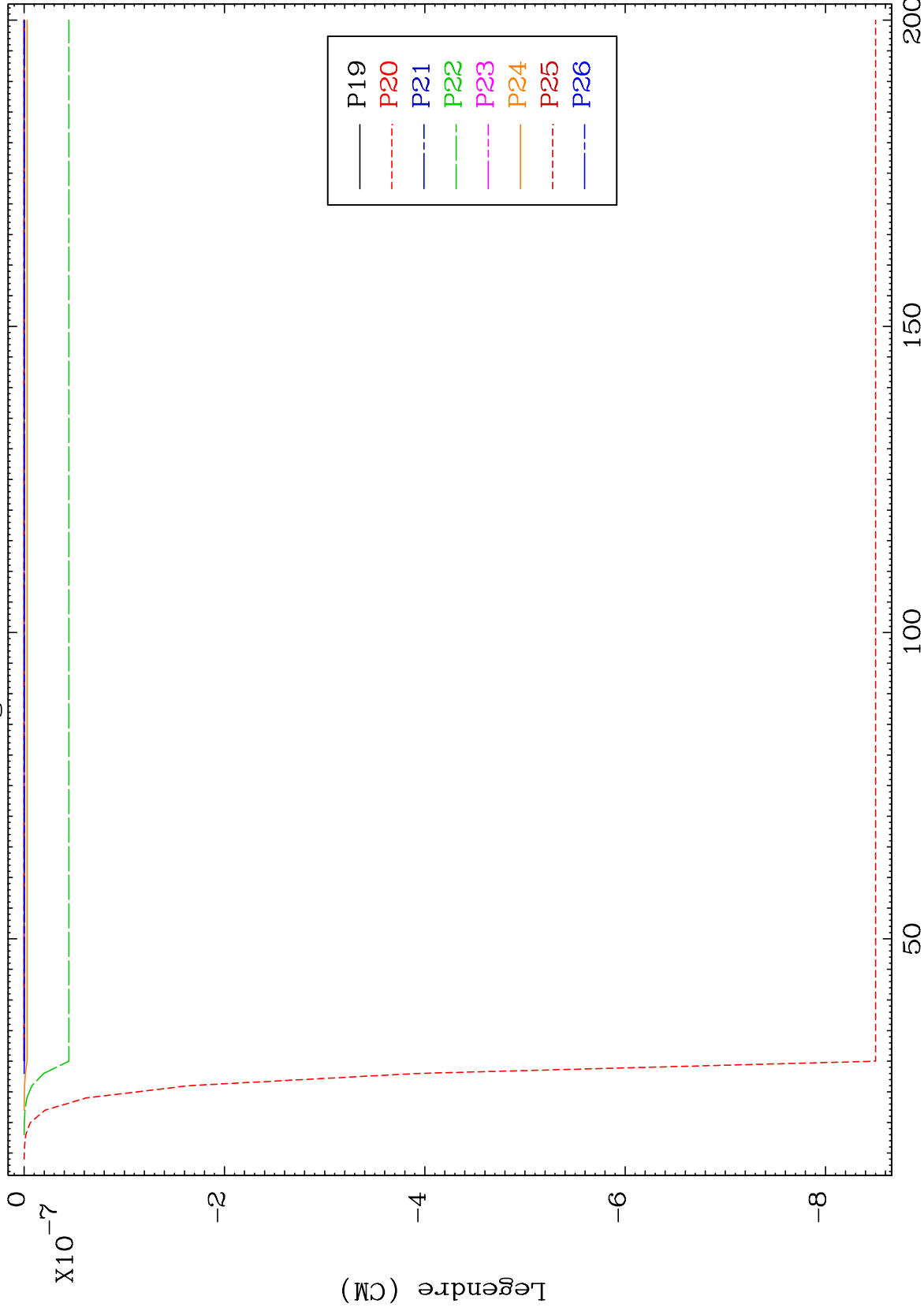
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



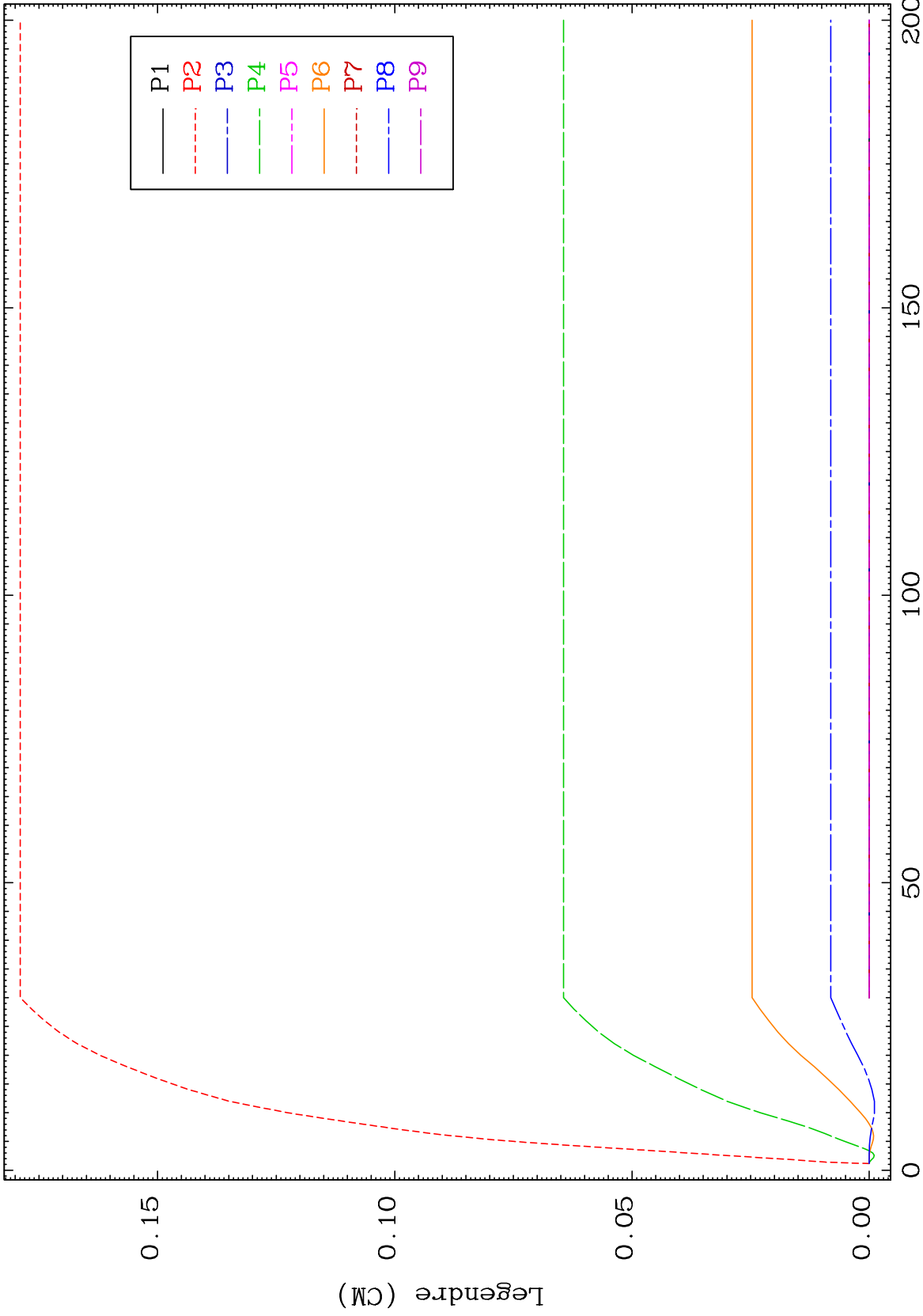
88

52-Te-123

MAT 5234

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

52-Te-123



89

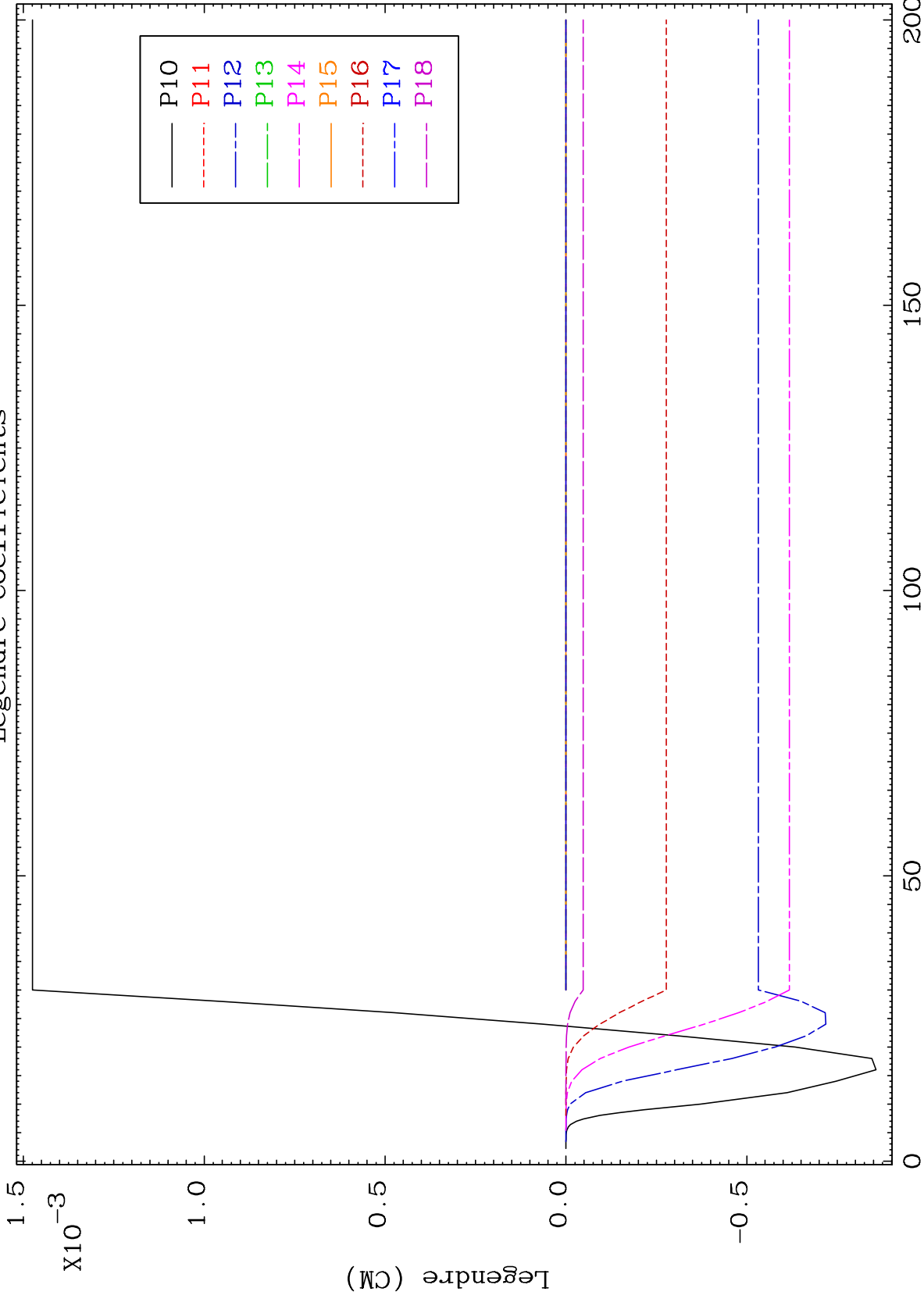
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



90

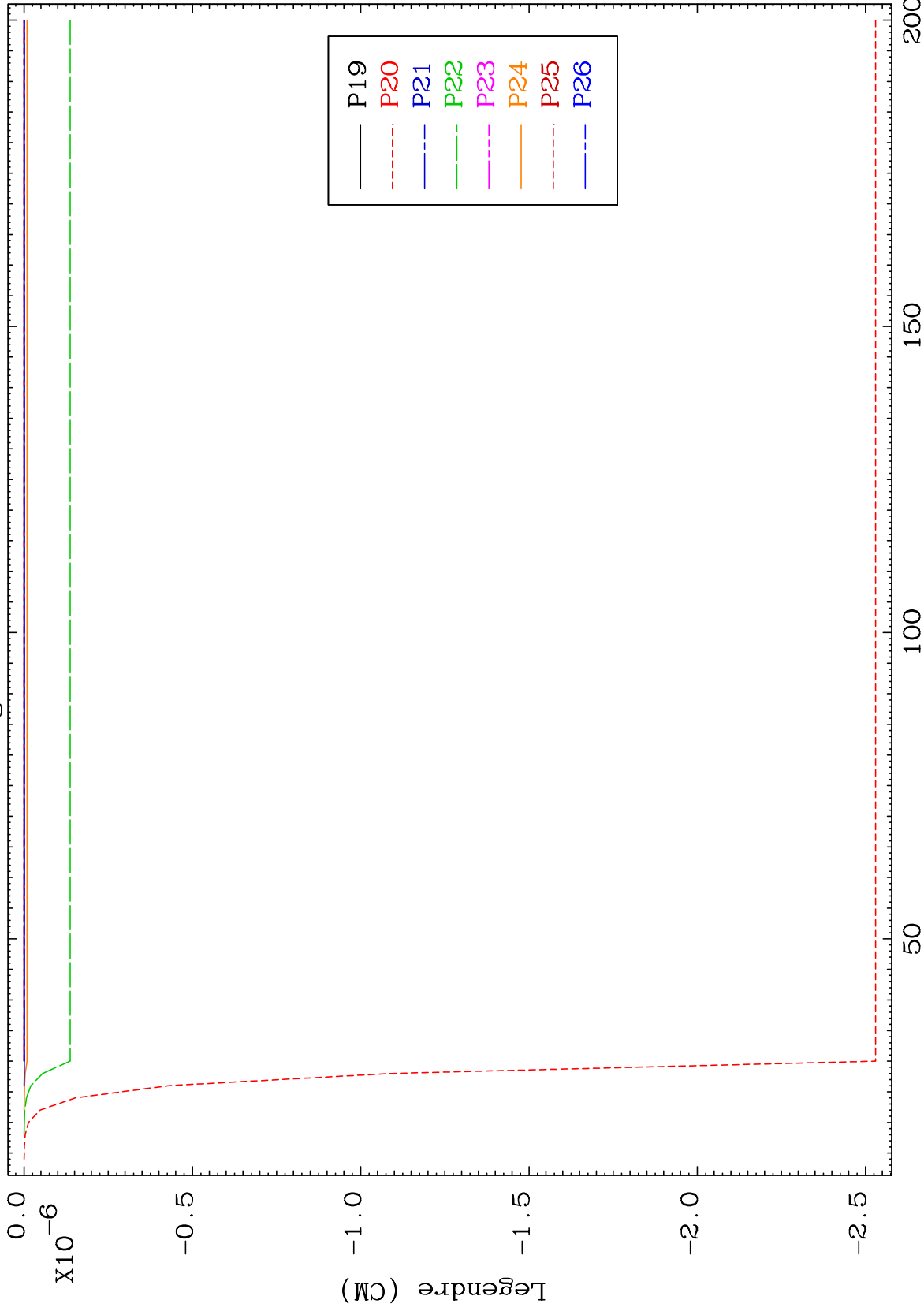
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



91

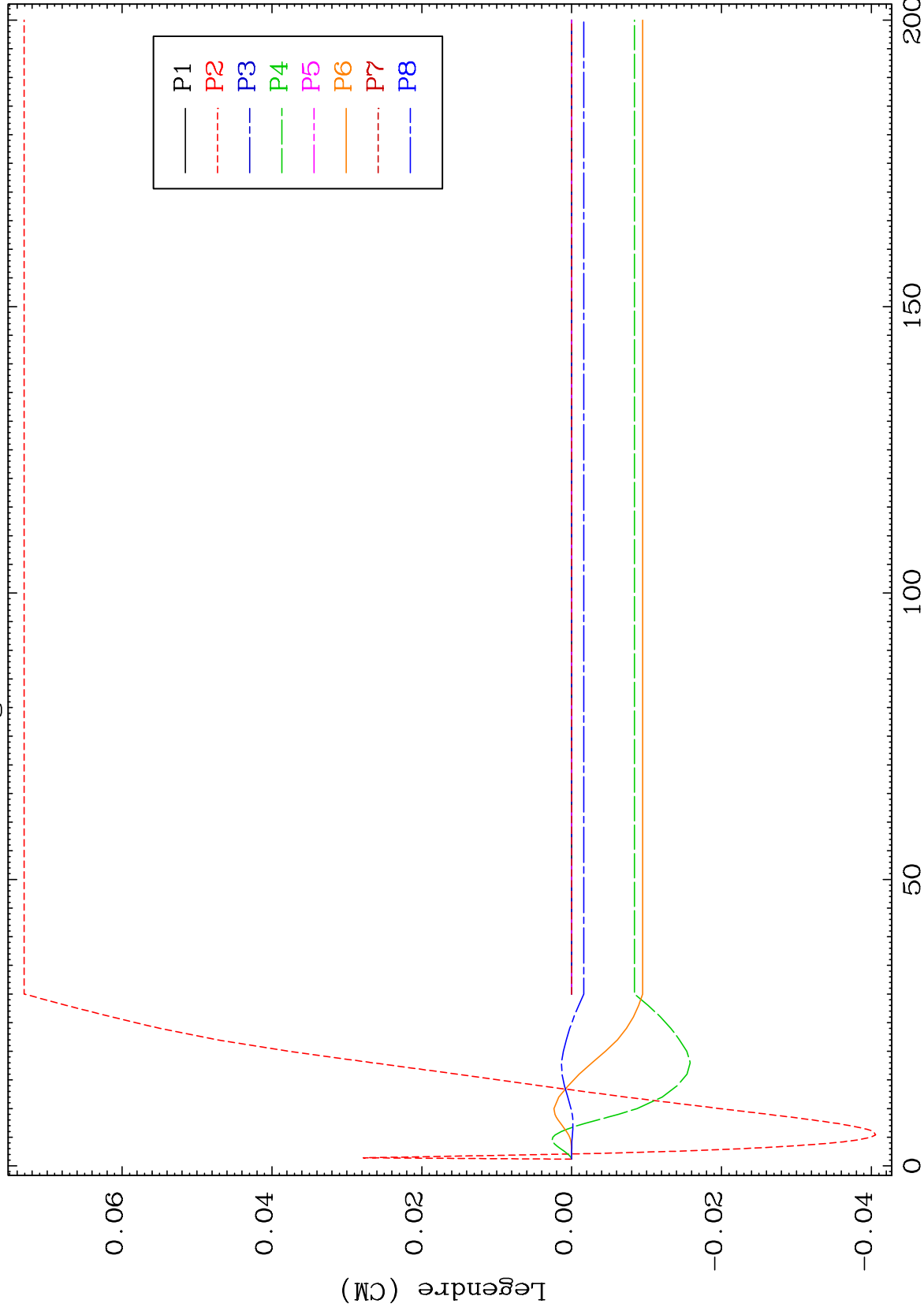
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



92

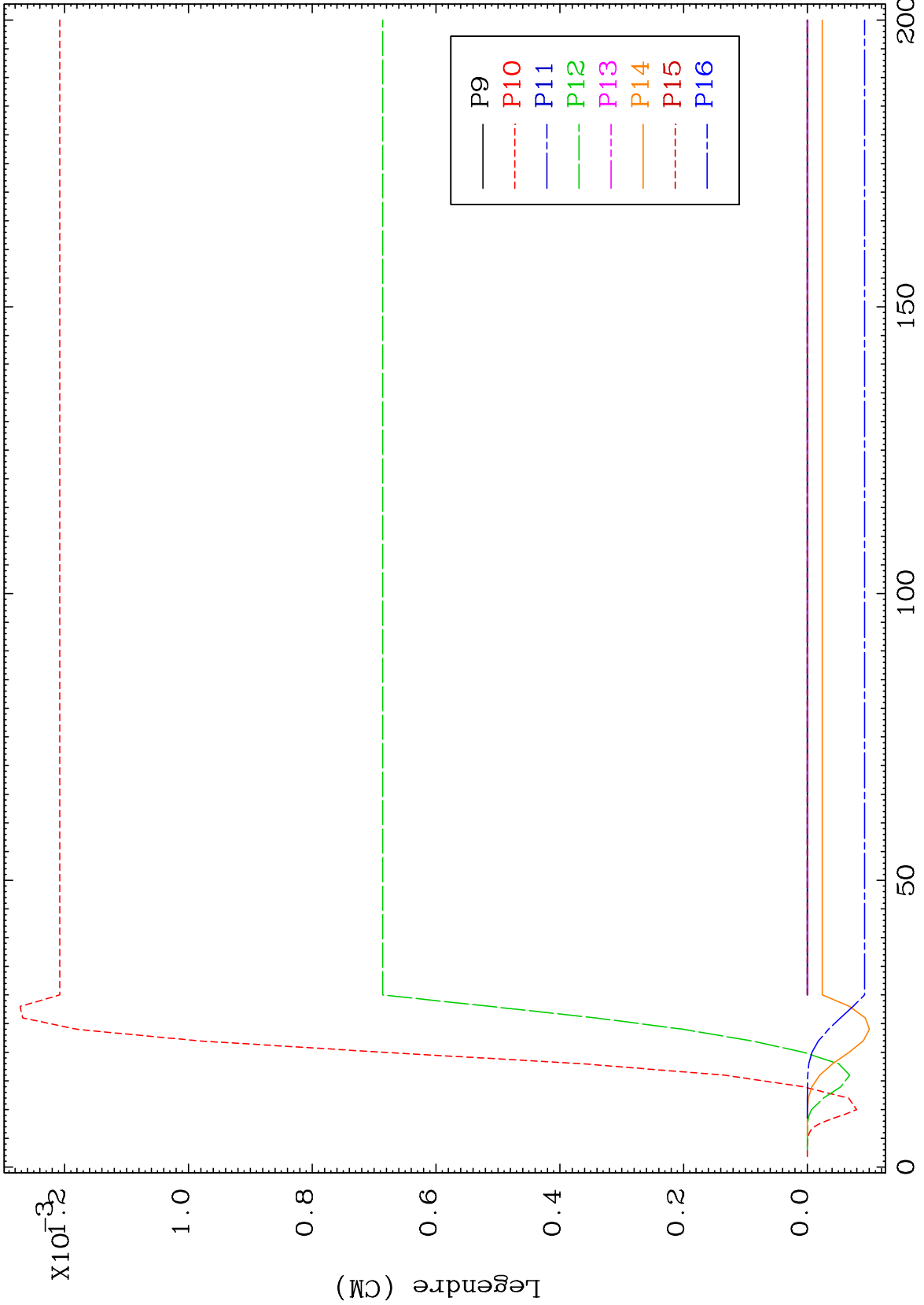
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123

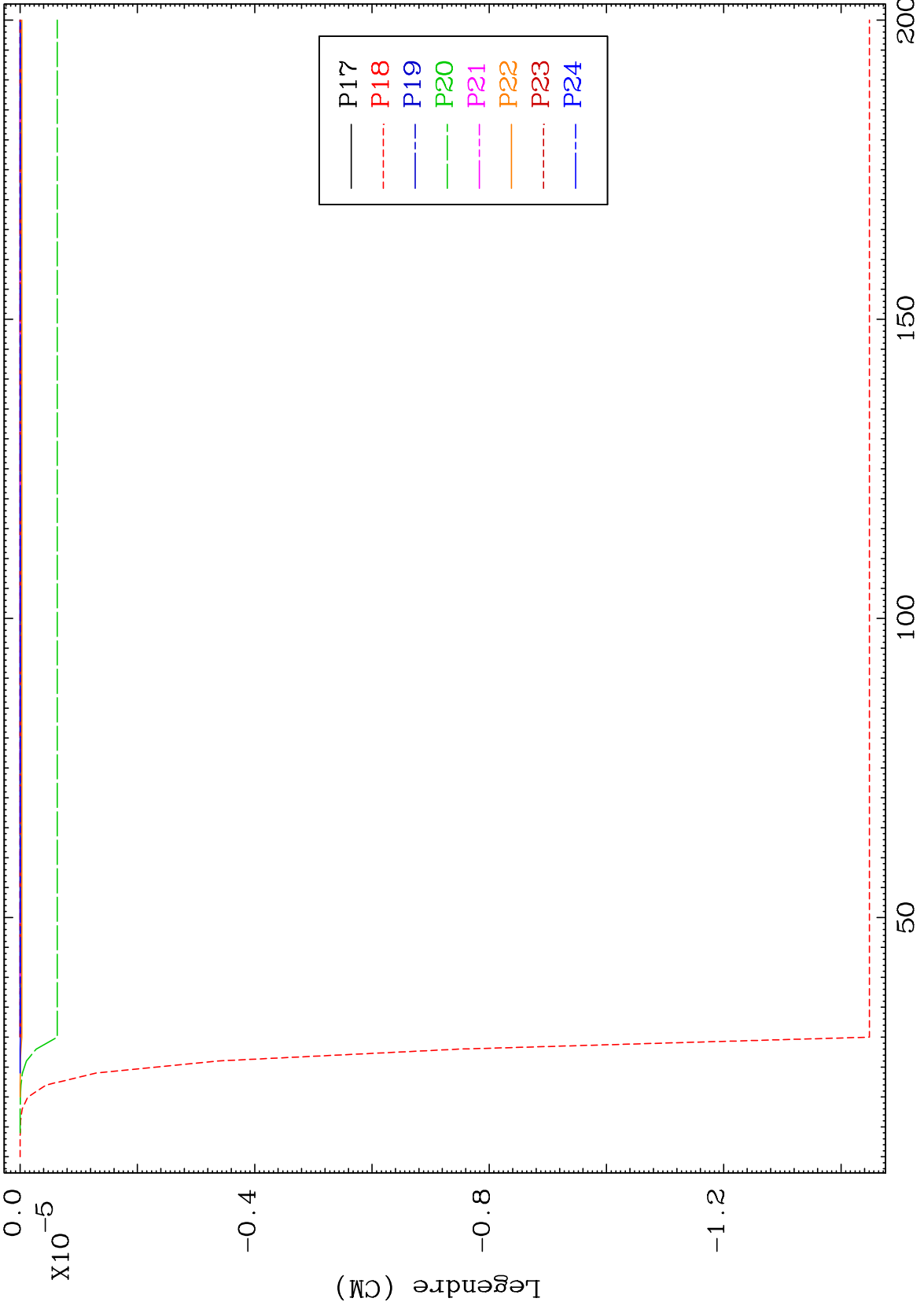


93

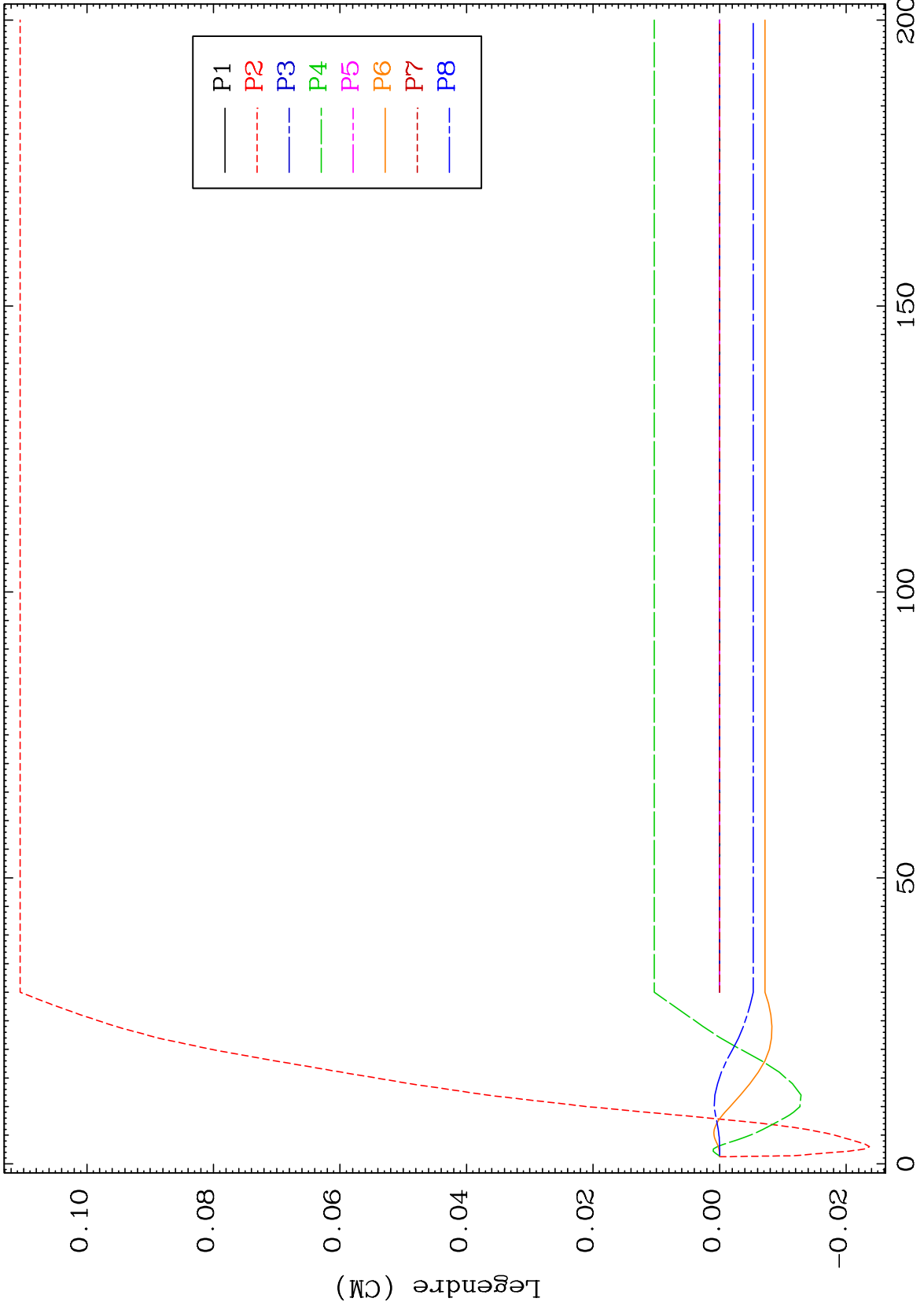
Incident Energy (MeV)

52-Te-123

MAT 5234 MT= 75 (n,n') Level Legendre Coefficients 52-Te-123



MAT 5234 MT= 76 (n,n') Level Legendre Coefficients 52-Te-123

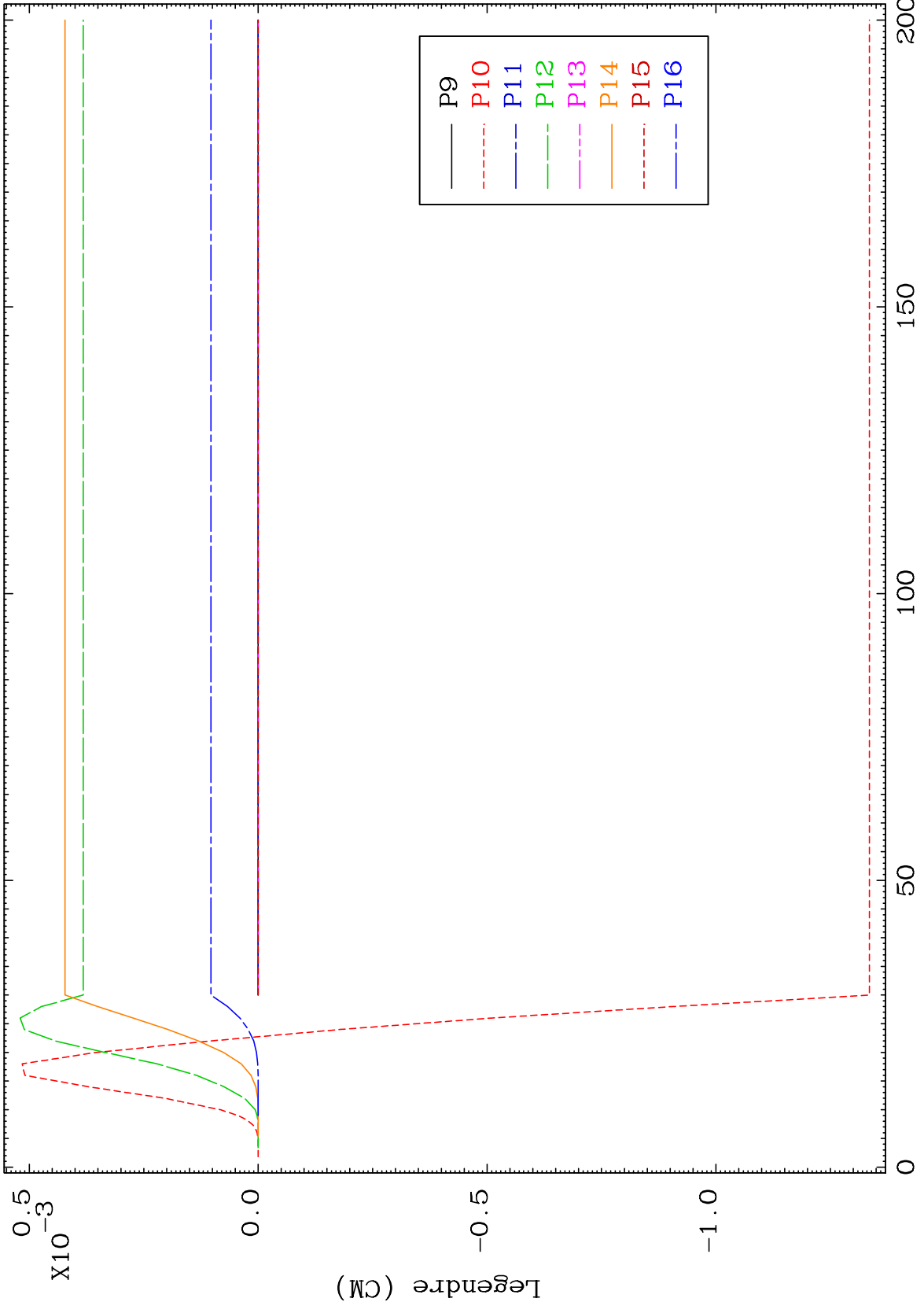


95 Incident Energy (MeV) 52-Te-123

MAT 5234

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

52-Te-123



96

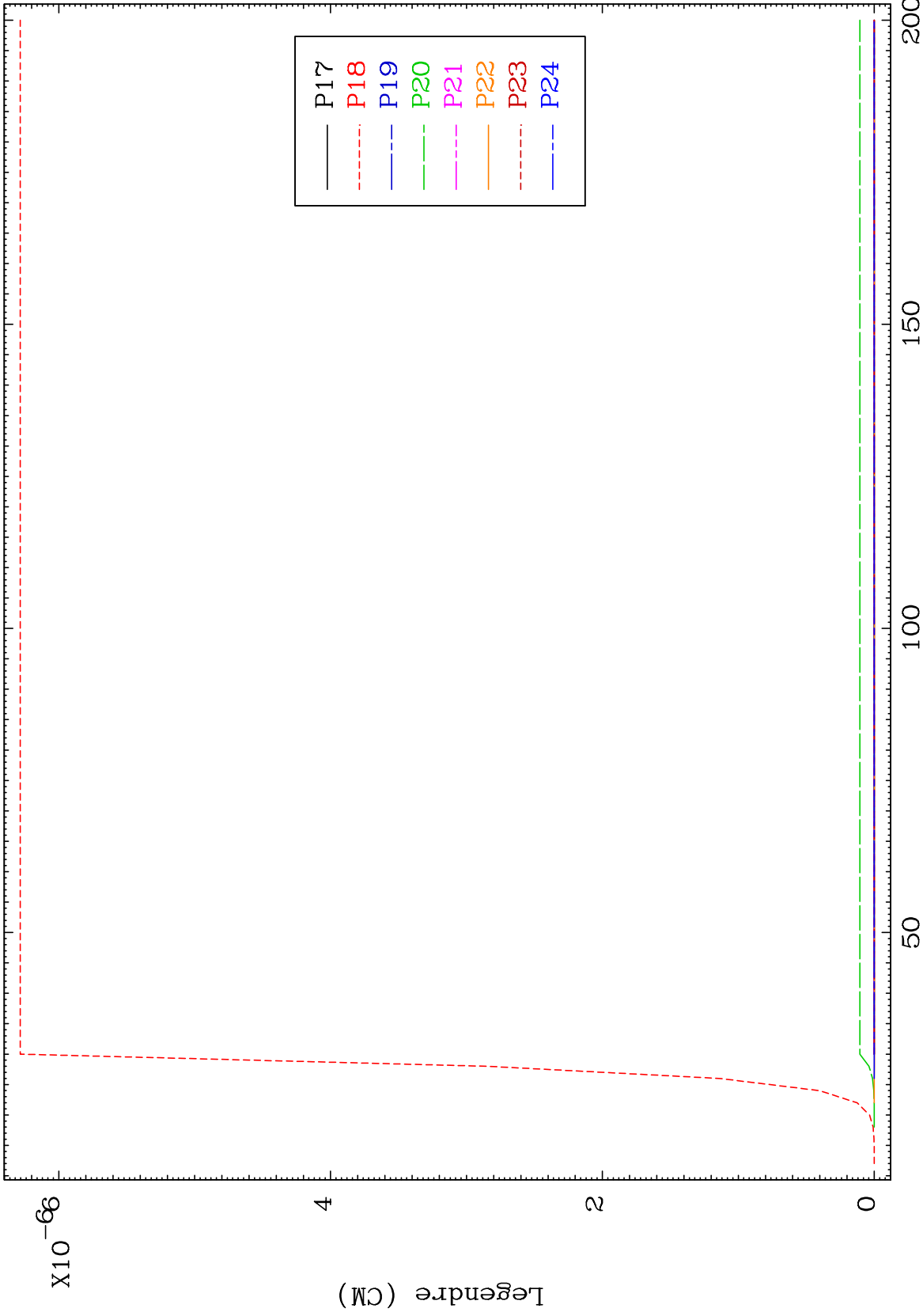
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



97

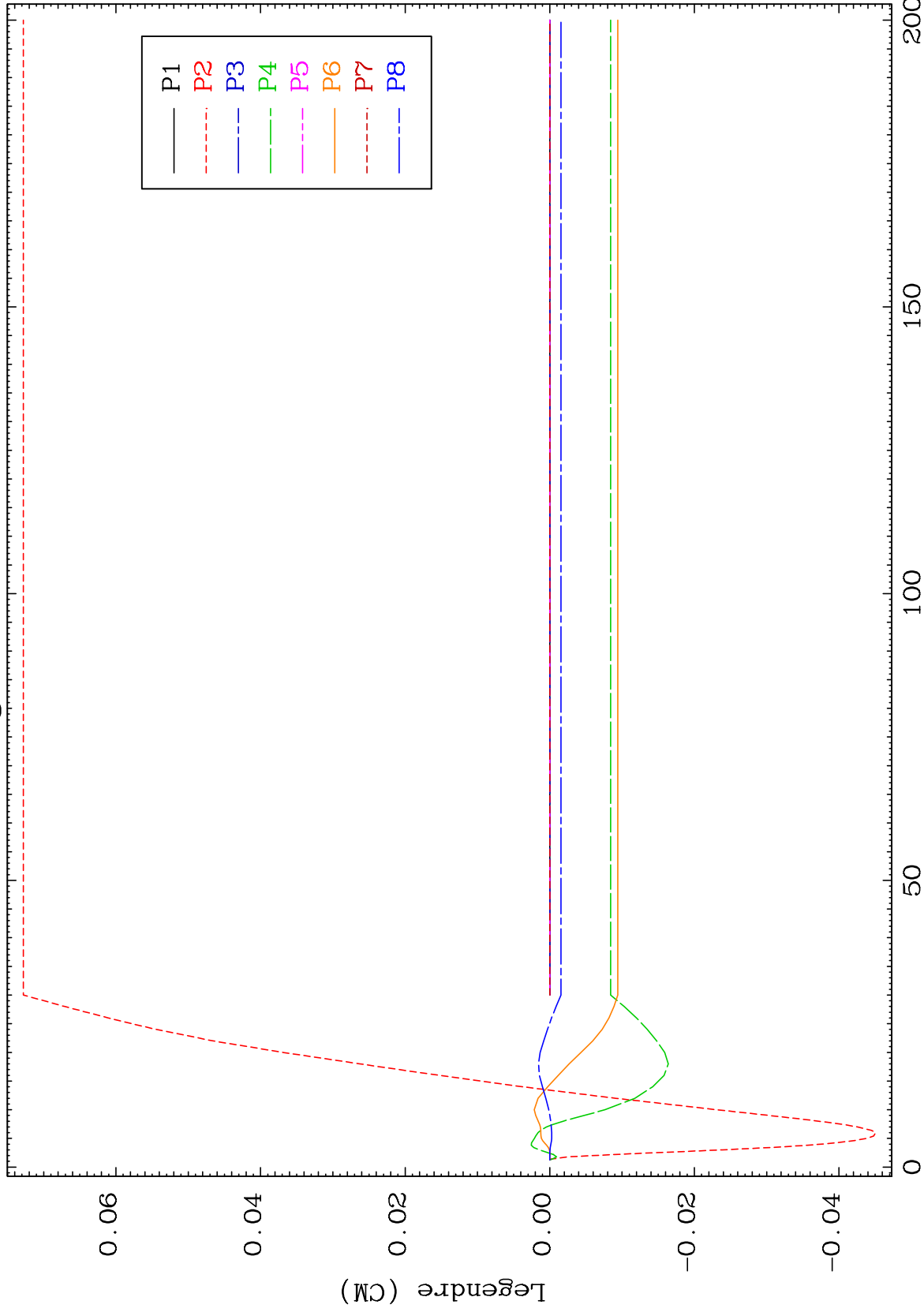
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



98

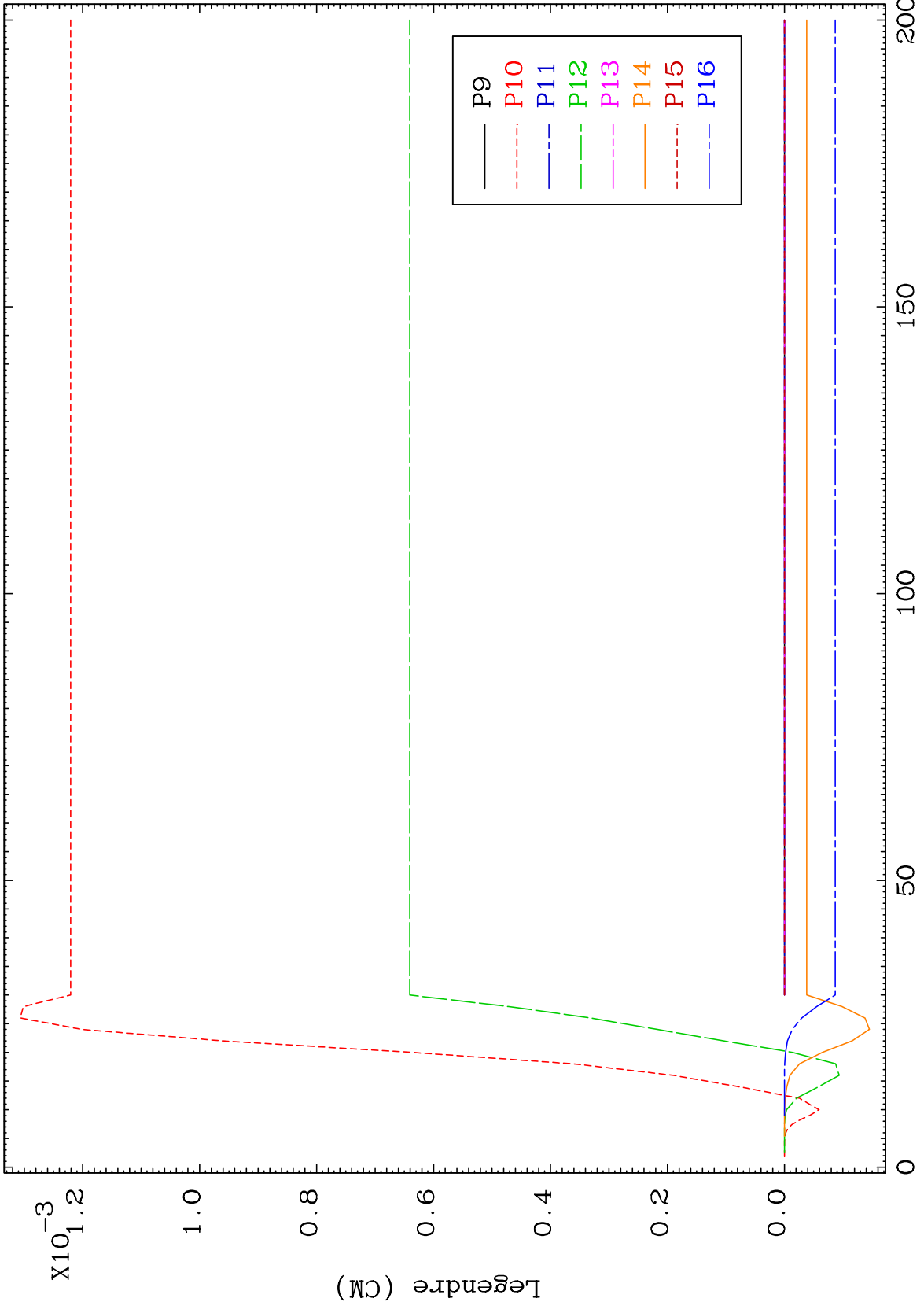
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



99

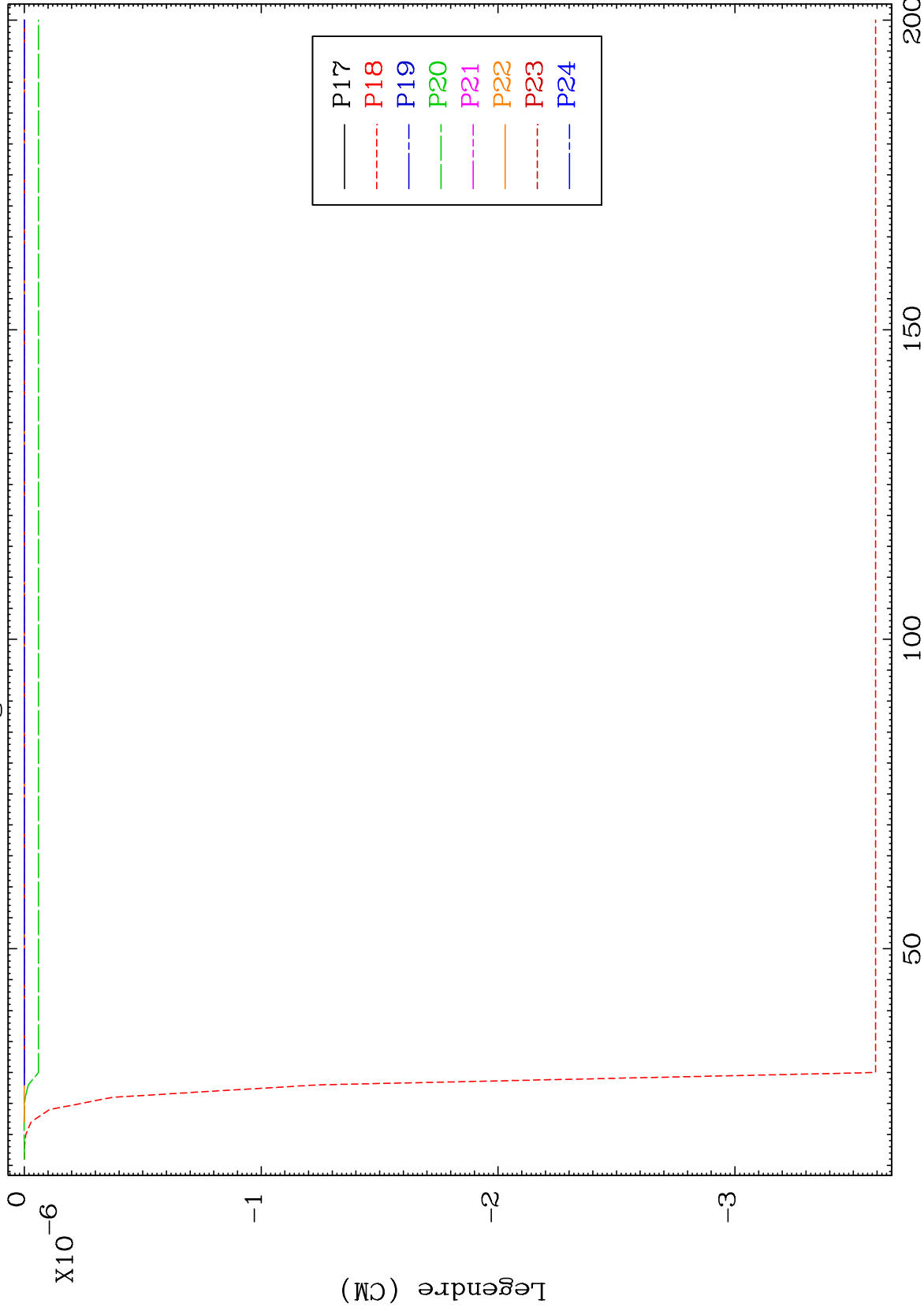
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



52-Te-123

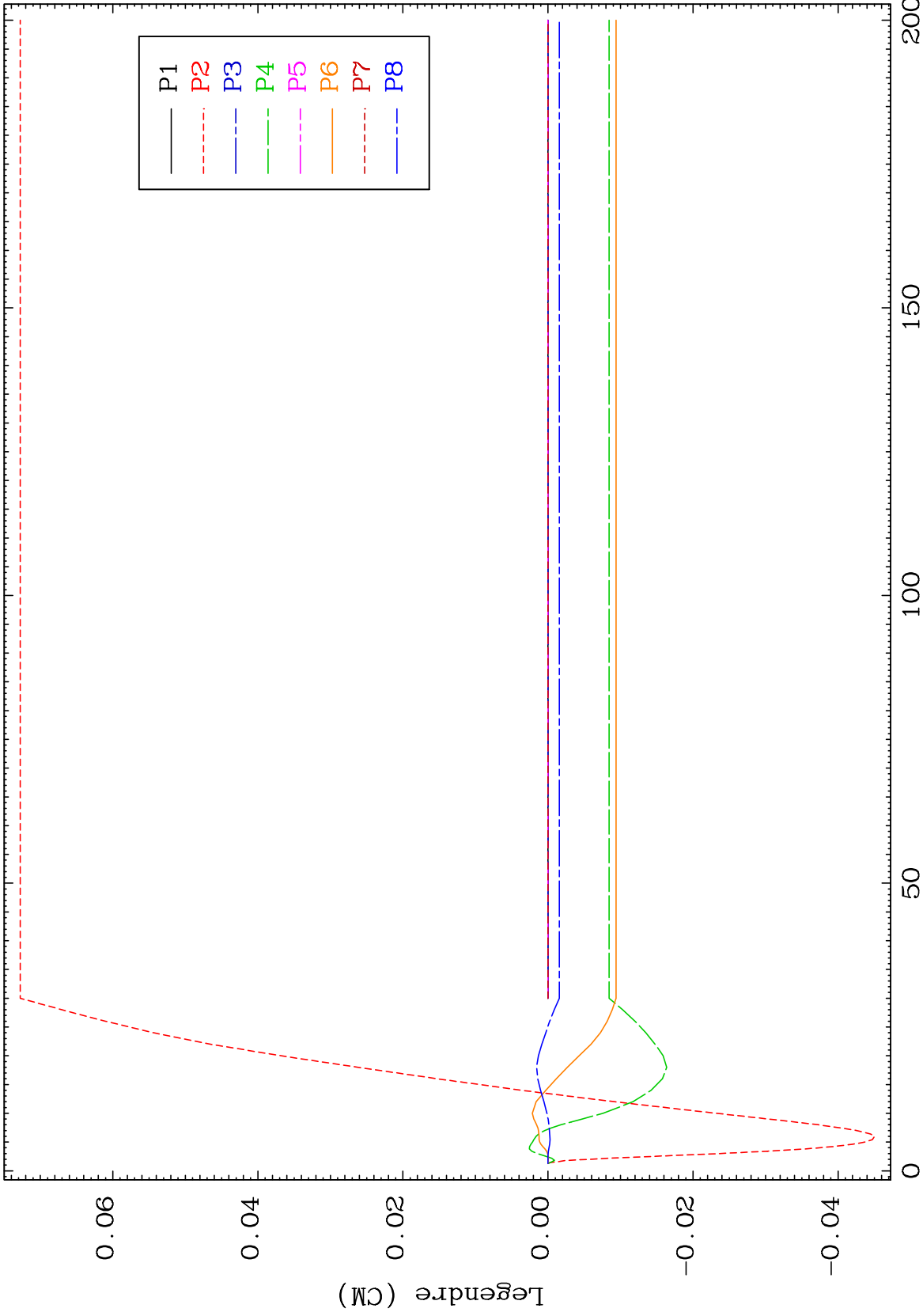
Incident Energy (MeV)

100

MAT 5234

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

52-Te-123



52-Te-123

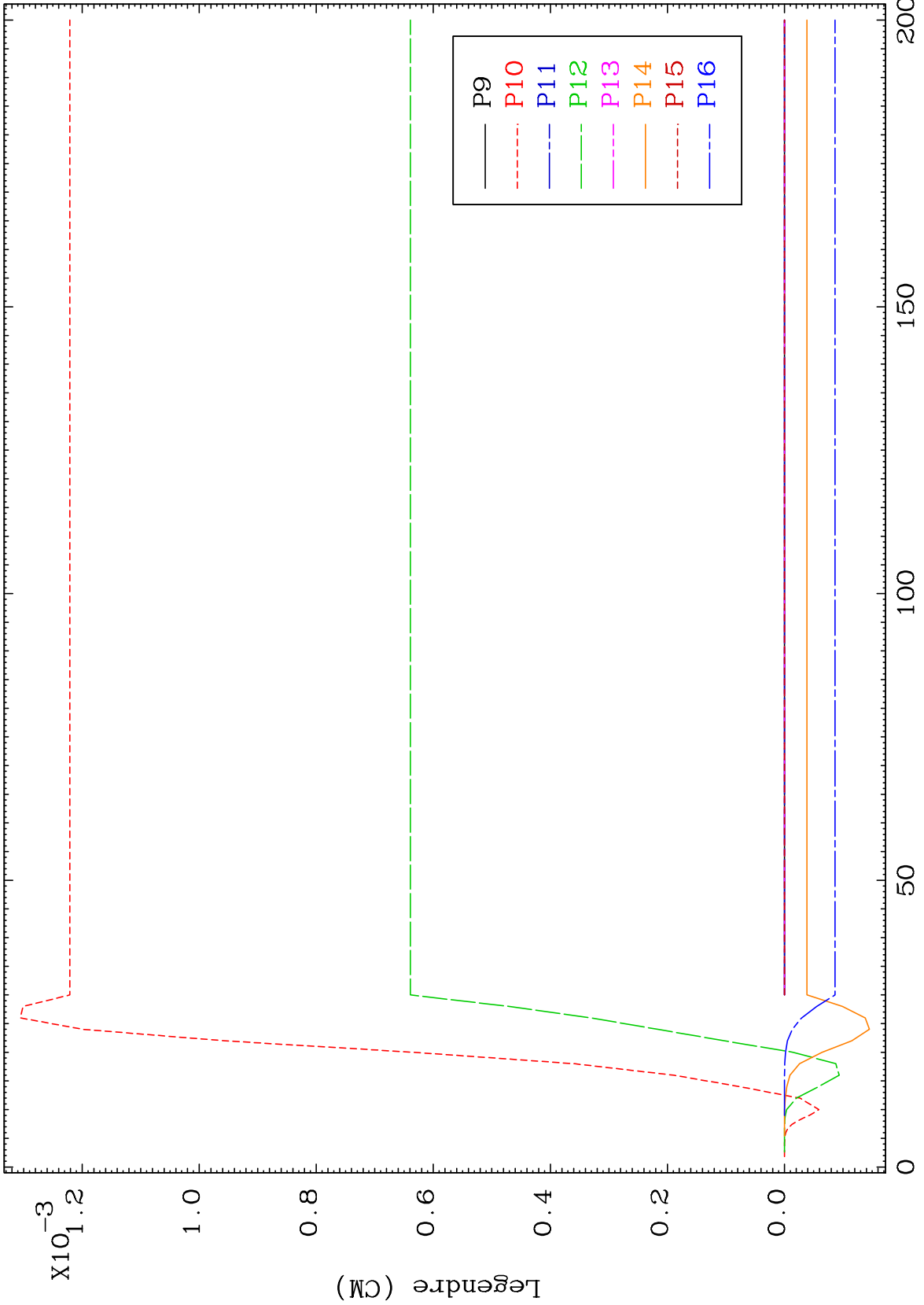
Incident Energy (MeV)

101

MAT 5234

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

52-Te-123



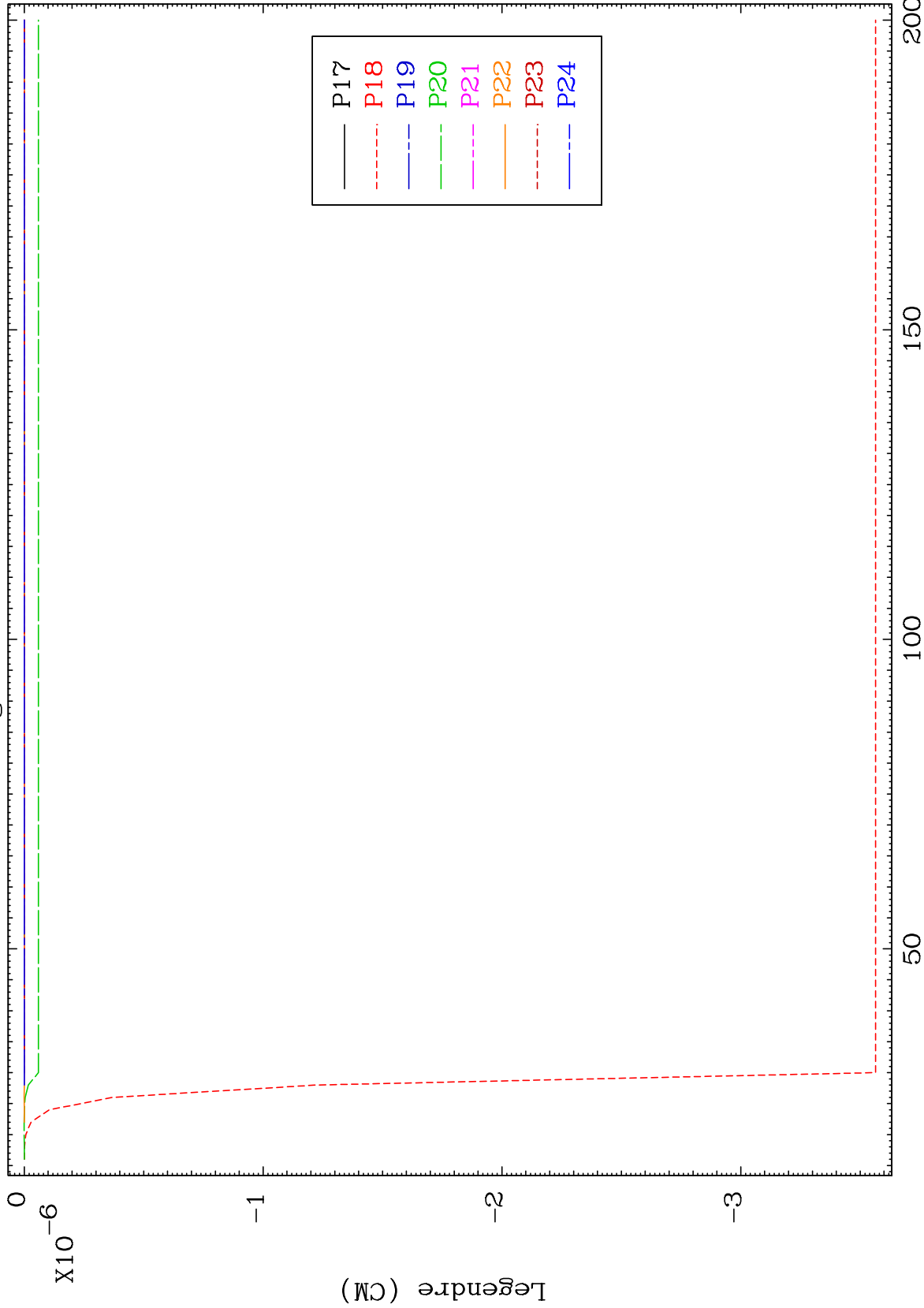
102

52-Te-123

MAT 5234

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

52-Te-123



103

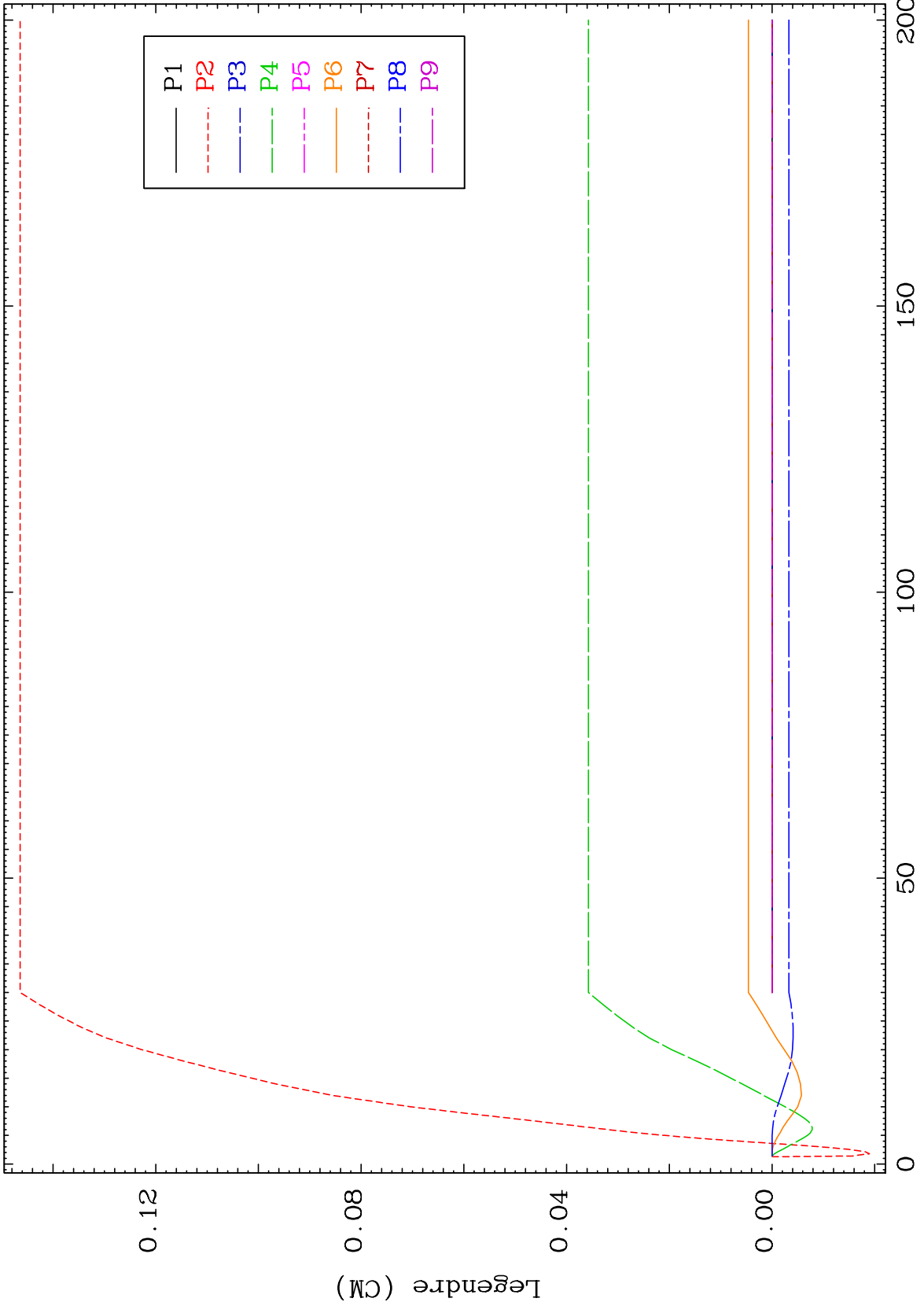
Incident Energy (MeV)

52-Te-123

MAT 5234

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

52-Te-123



104

Incident Energy (MeV)

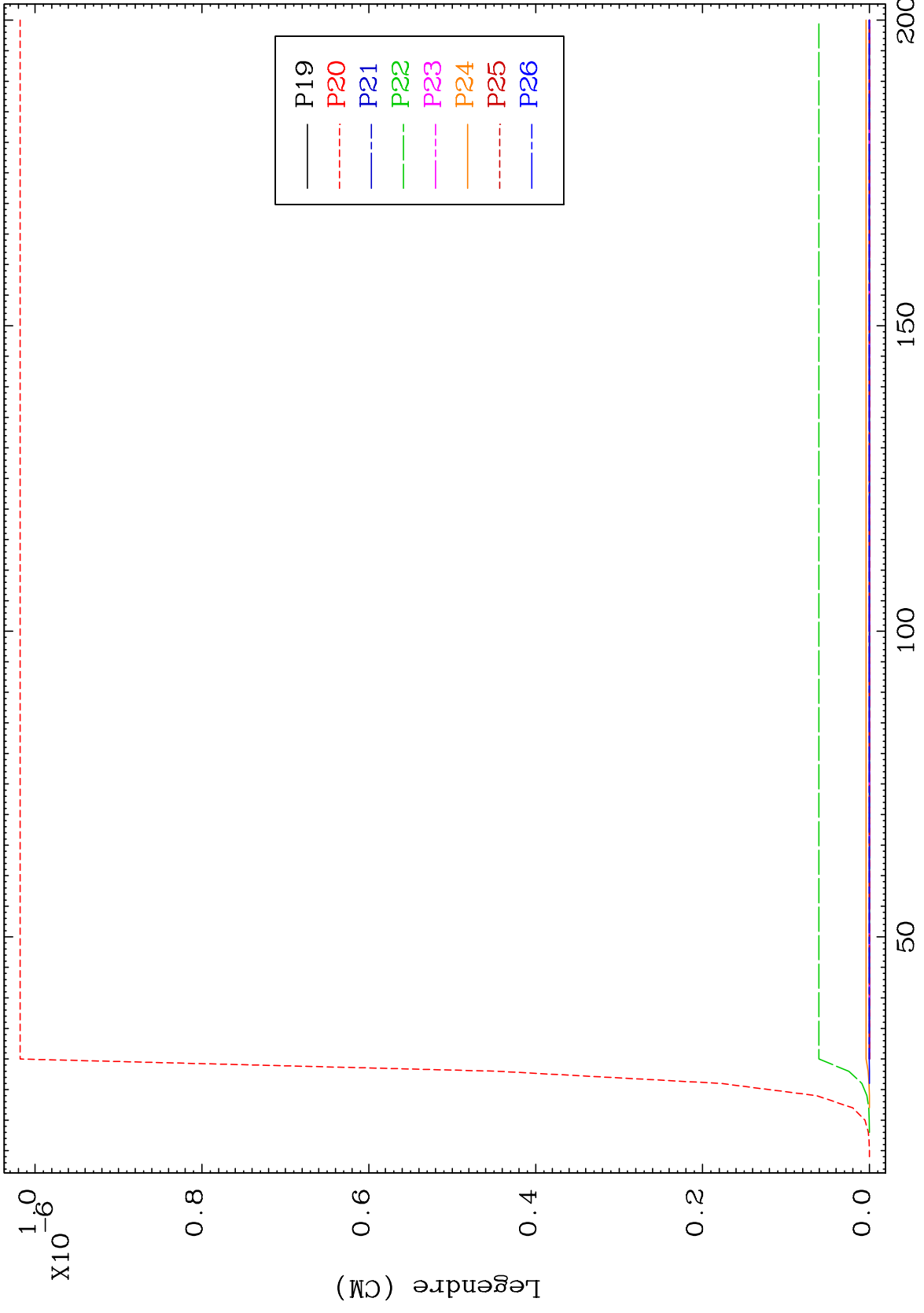
52-Te-123



MAT 5234

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

52-Te-123



106

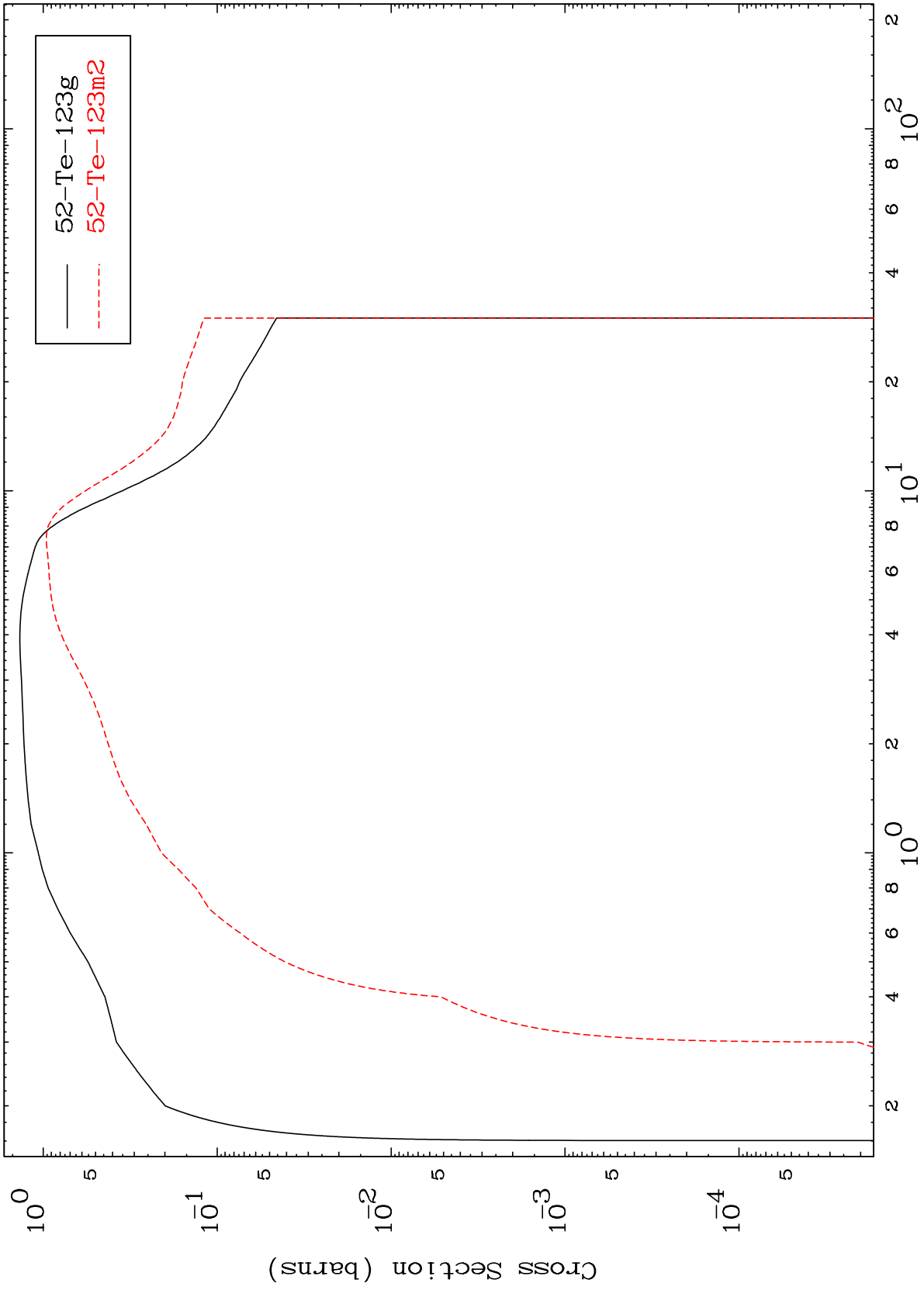
Incident Energy (MeV)

52-Te-123

MAT 5234

52-Te-123

### Inelastic Radionuclide Production Cross Section



107

Incident Energy (MeV)

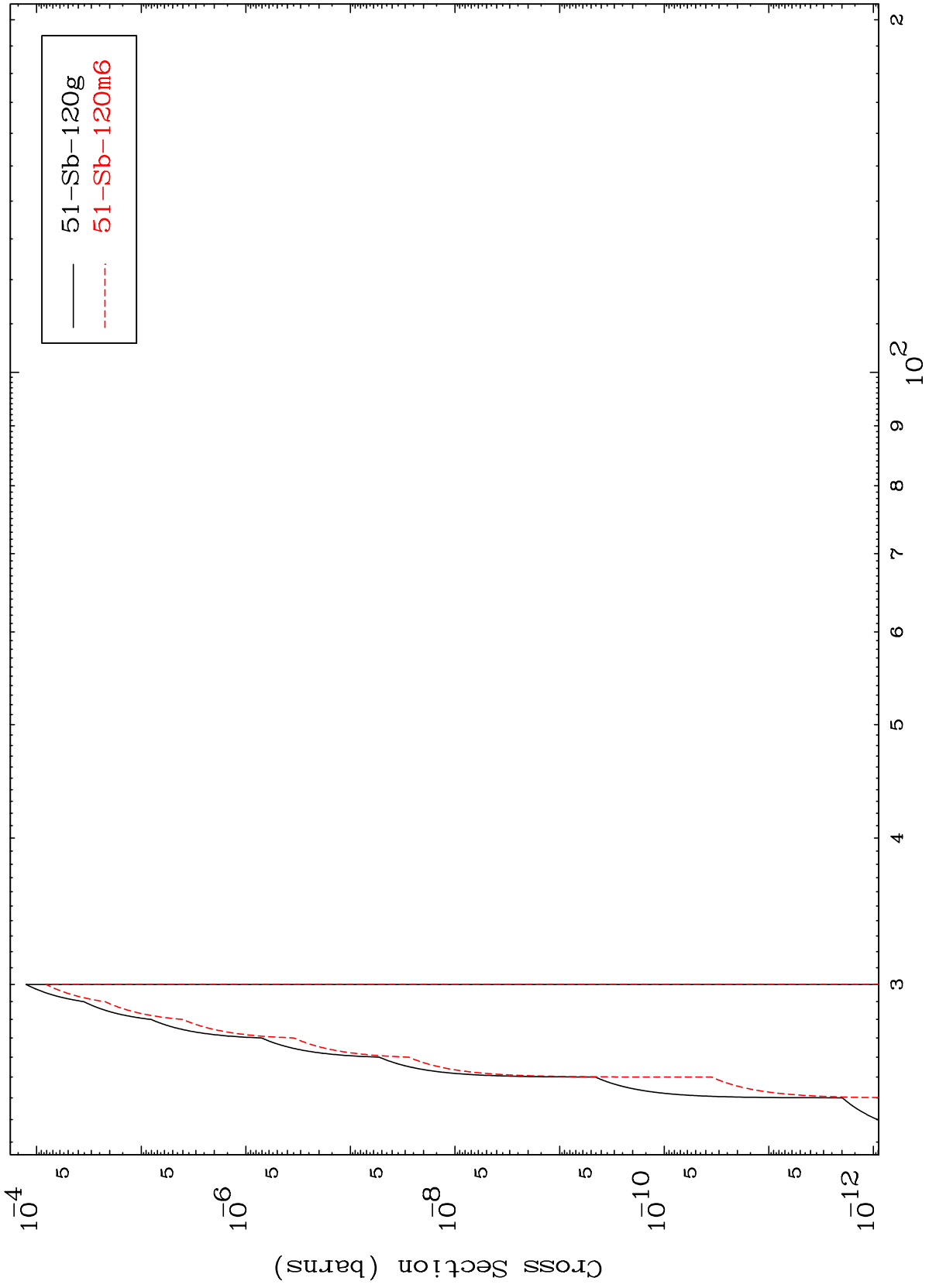
52-Te-123

MAT 5234

(n,2n) d

52-Te-123

Radionuclide Production Cross Section



108

Incident Energy (MeV)

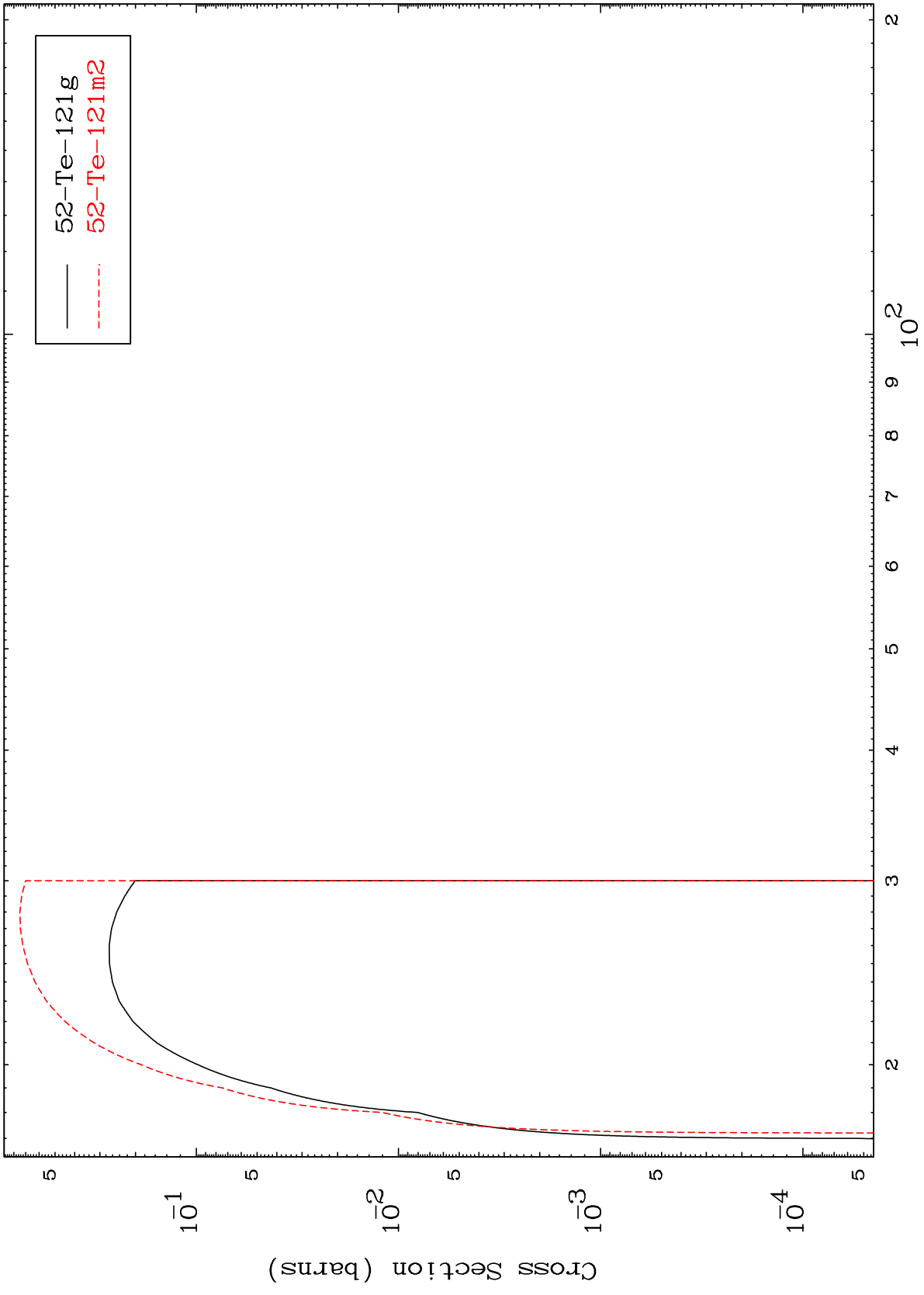
52-Te-123

MAT 5234

(n,3n)

52-Te-123

Radionuclide Production Cross Section



109

Incident Energy (MeV)

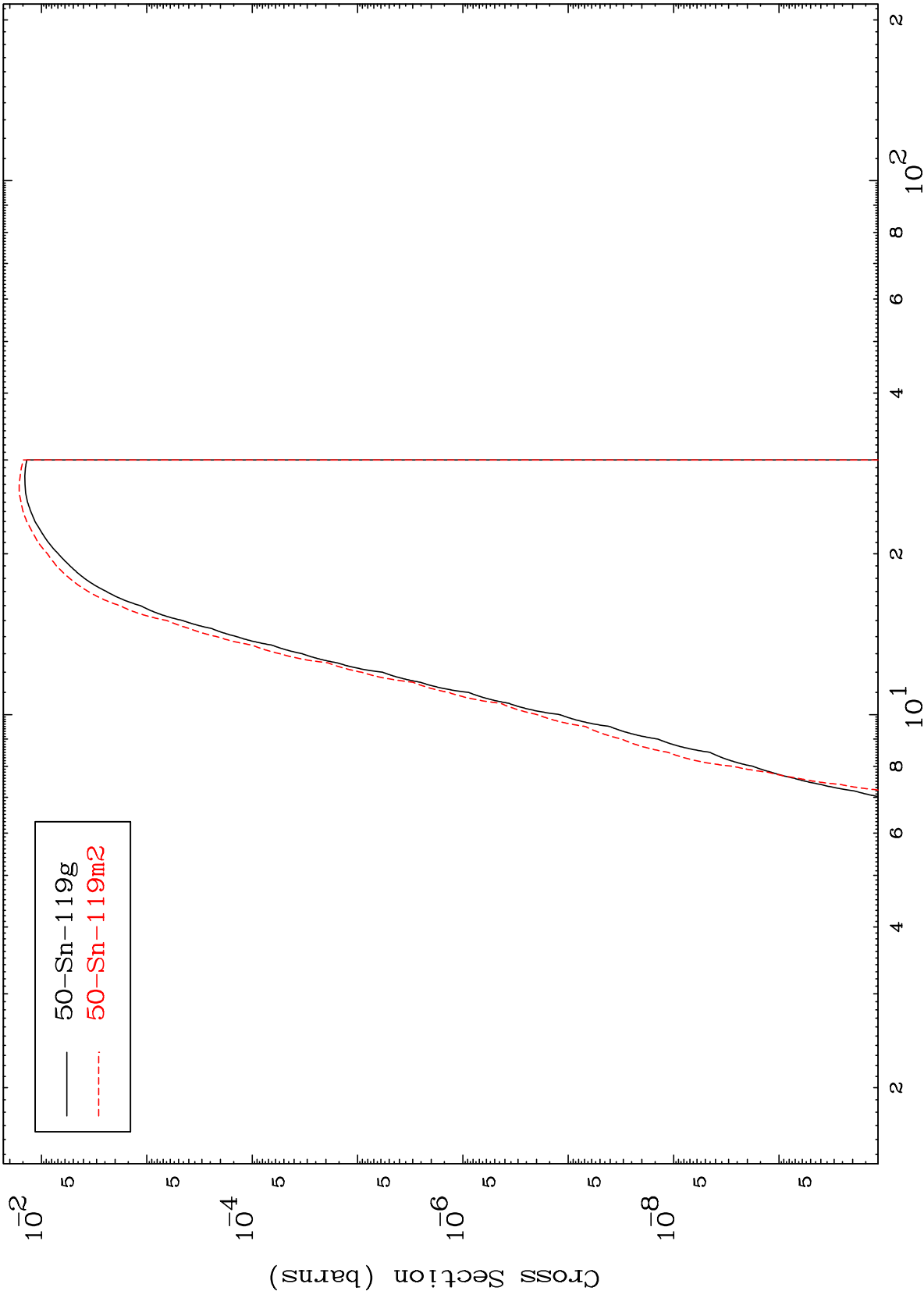
52-Te-123

MAT 5234

(n,n')  $\alpha$

52-Te-123

Radionuclide Production Cross Section



50-Sn-119g  
50-Sn-119m2

110

Incident Energy (MeV)

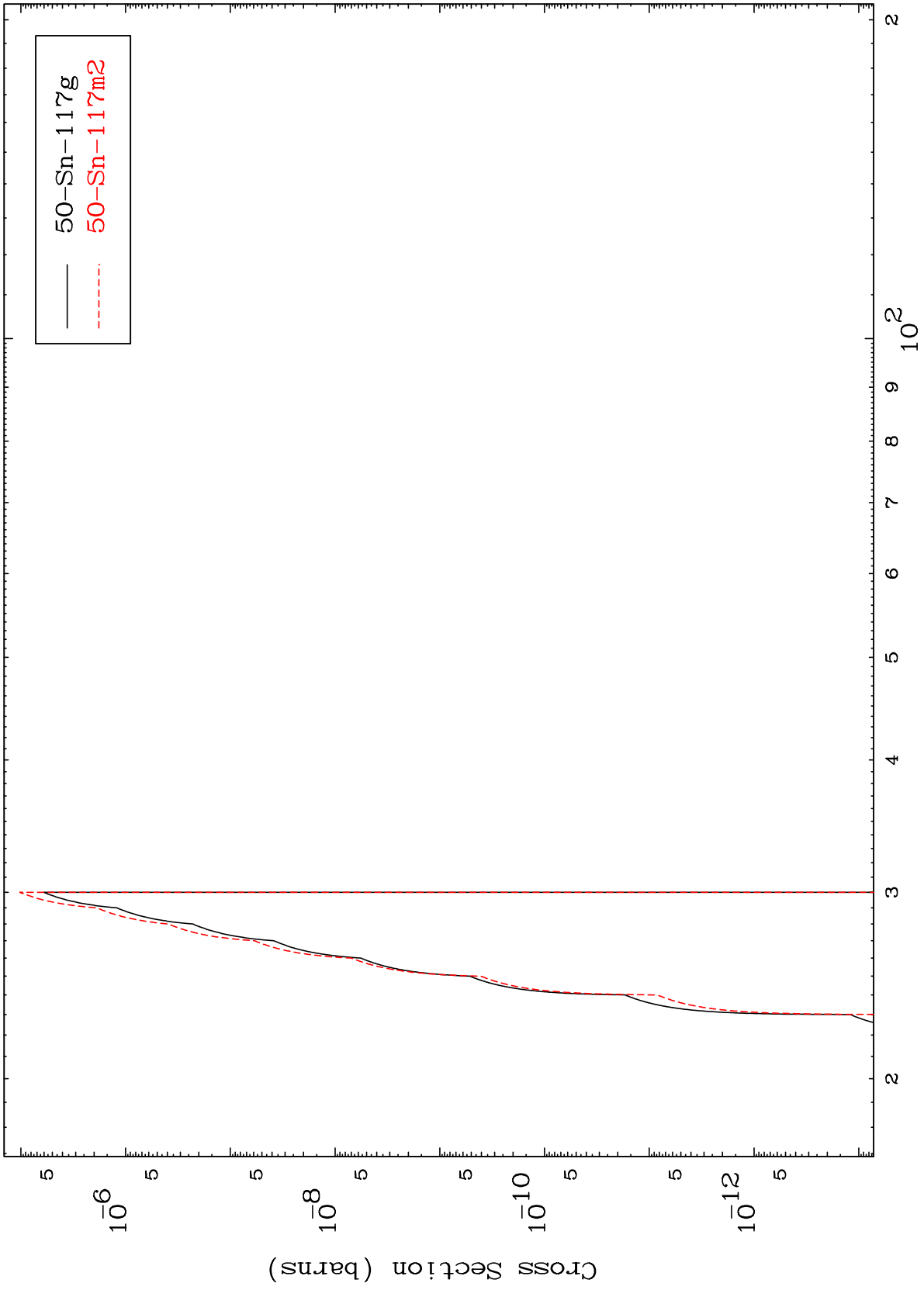
52-Te-123

MAT 5234

(n,3n)  $\alpha$

<sup>52</sup>Te-123

Radionuclide Production Cross Section



111

Incident Energy (MeV)

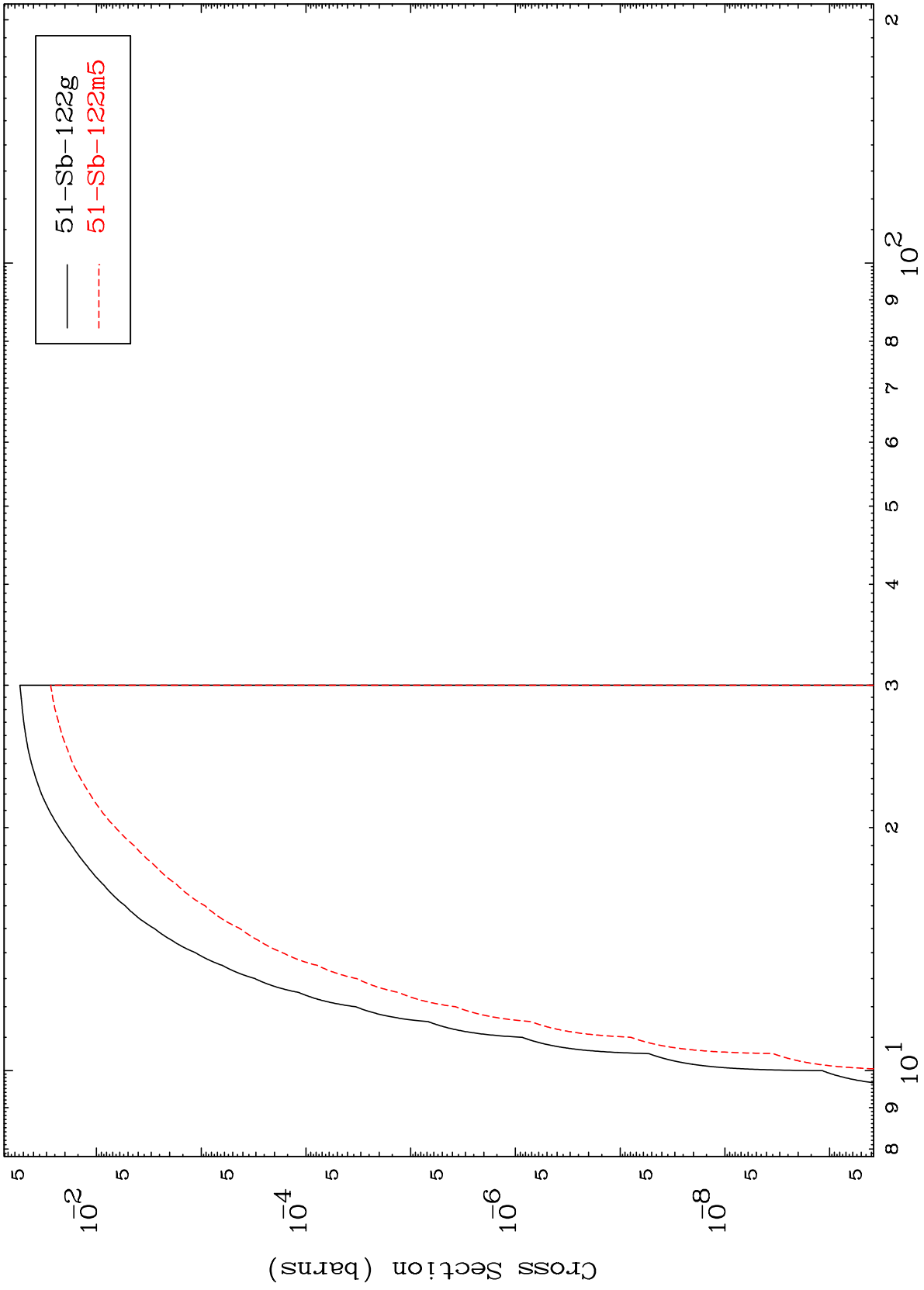
<sup>52</sup>Te-123

MAT 5234

(n,n') p

52-Te-123

Radionuclide Production Cross Section



112

Incident Energy (MeV)

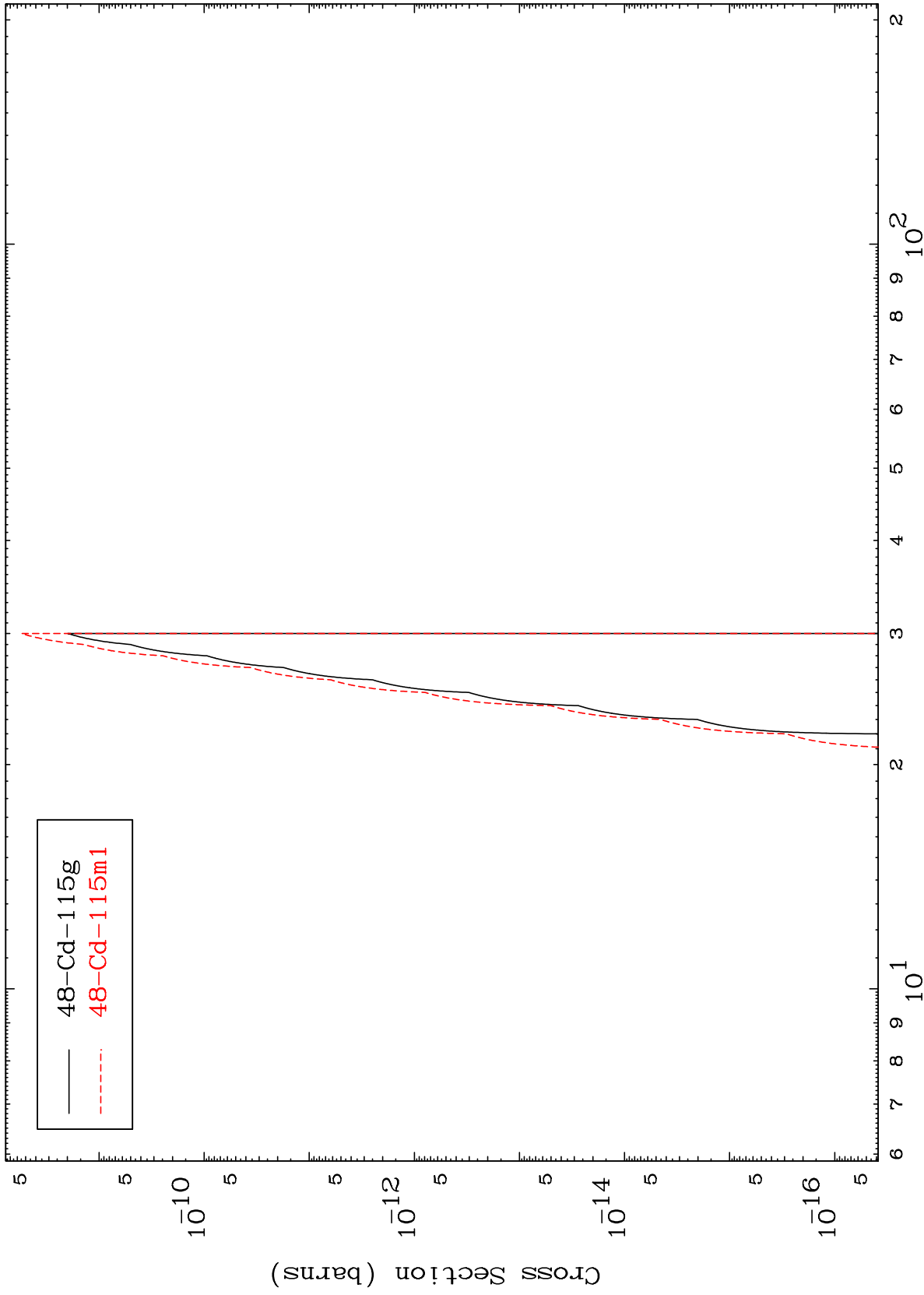
52-Te-123

MAT 5234

(n,n') 2α

52-Te-123

Radionuclide Production Cross Section



113

Incident Energy (MeV)

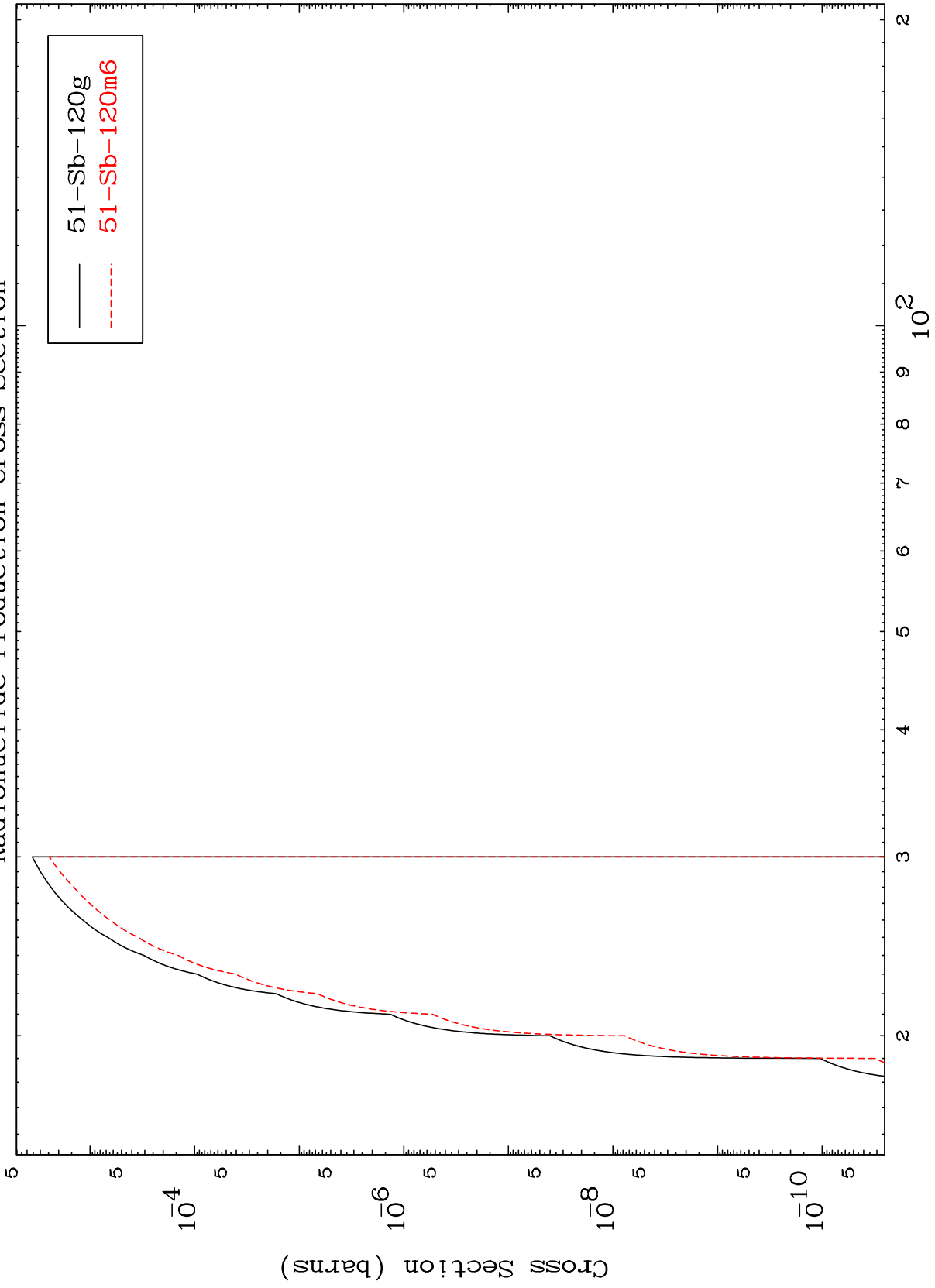
52-Te-123

MAT 5234

(n,n') t

52-Te-123

Radionuclide Production Cross Section



114

Incident Energy (MeV)

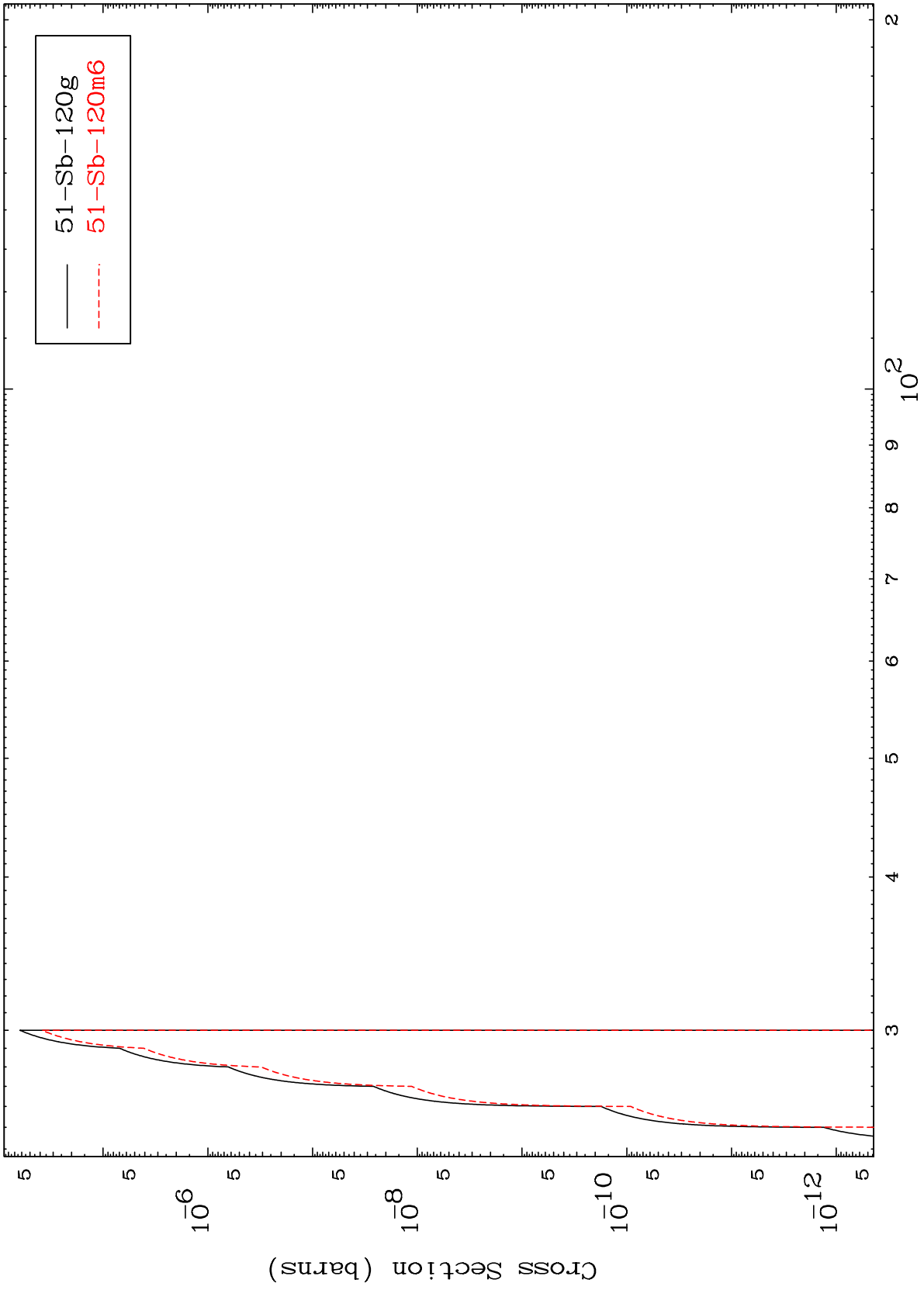
52-Te-123

MAT 5234

(n,3n) p

52-Te-123

Radionuclide Production Cross Section



115

Incident Energy (MeV)

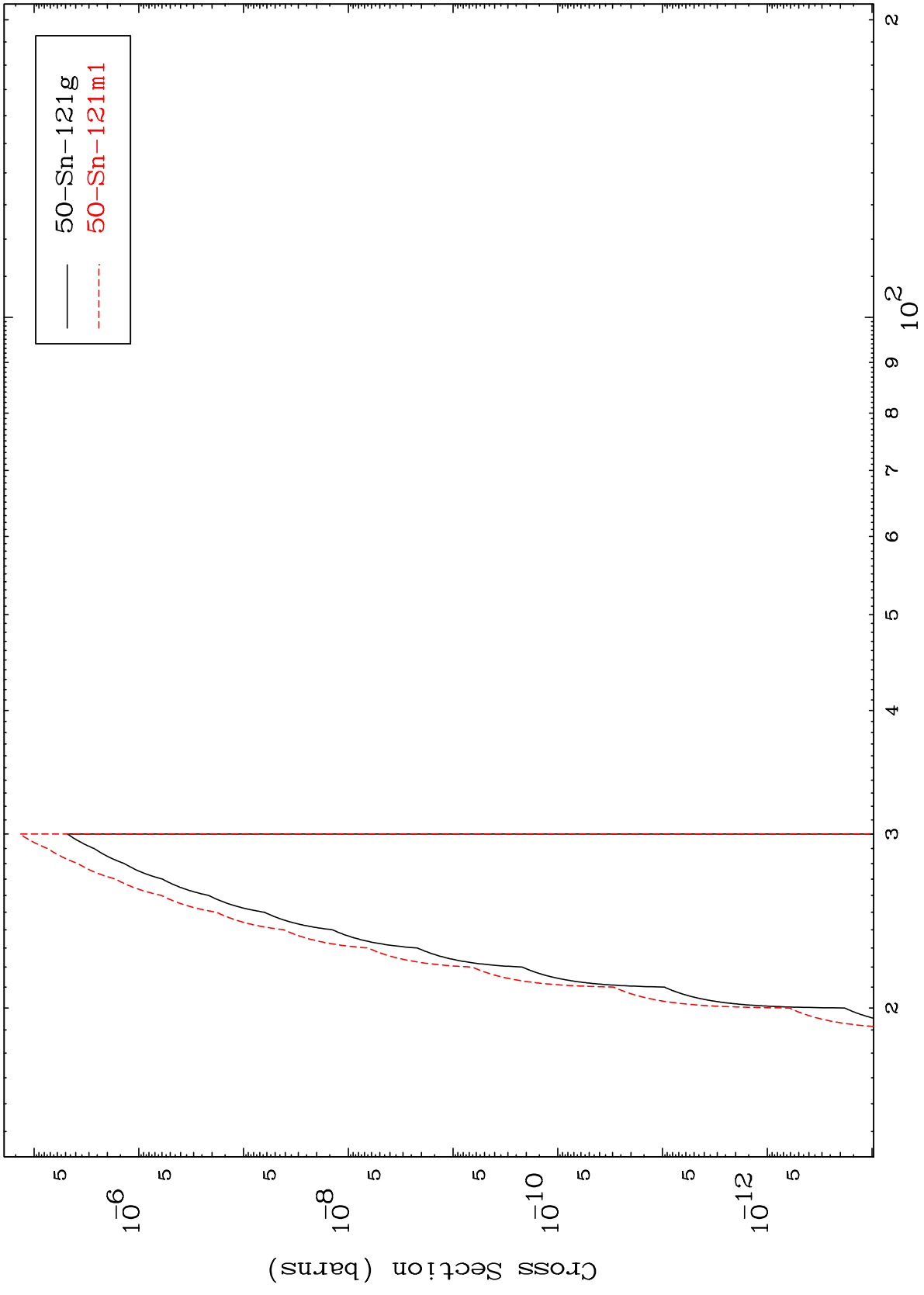
52-Te-123

MAT 5234

(n,2n) p

<sup>52</sup>Te-123

Radionuclide Production Cross Section



50-Sn-121g  
50-Sn-121m1

116

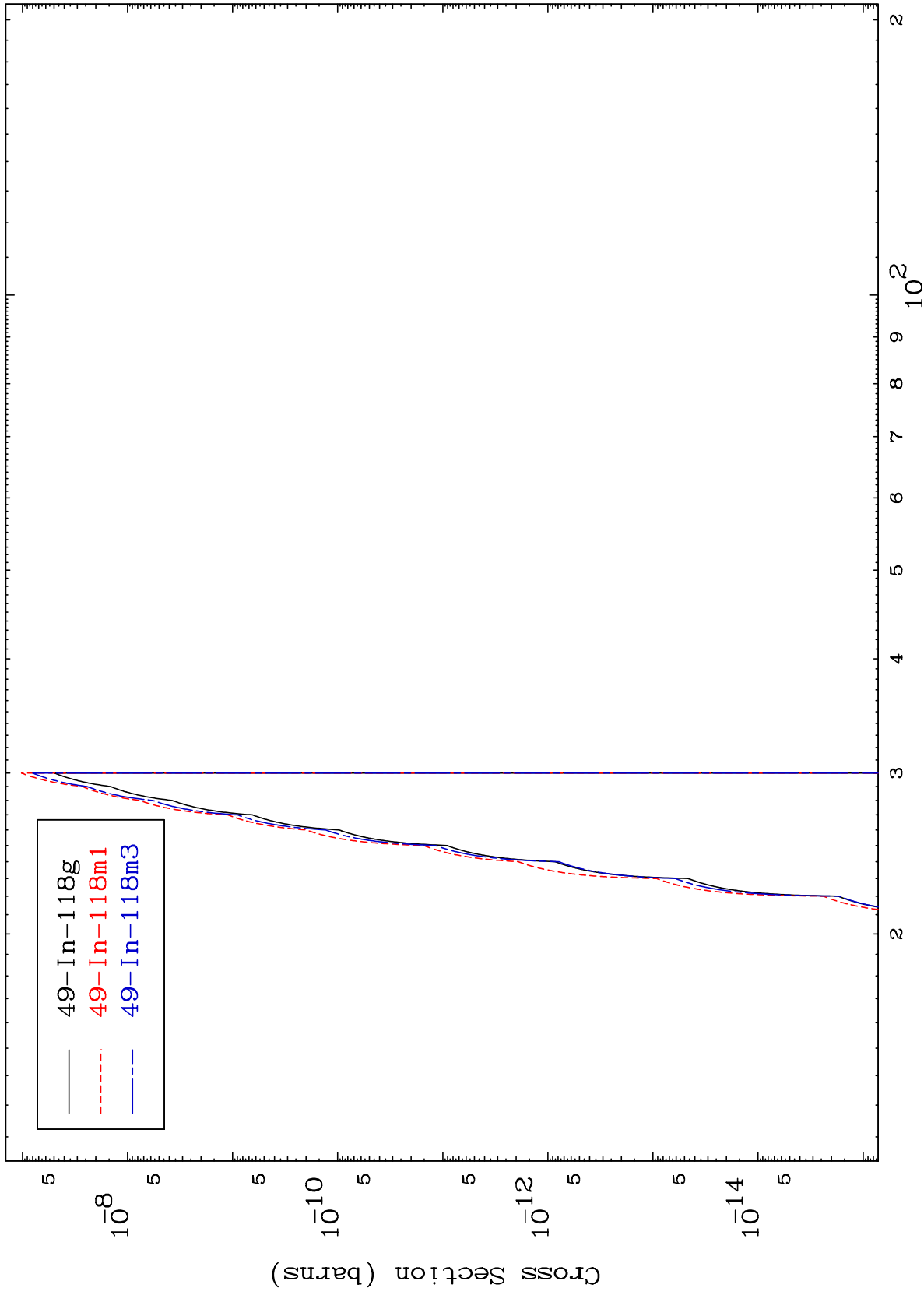
Incident Energy (MeV)

<sup>52</sup>Te-123

MAT 5234

52-Te-123

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



117

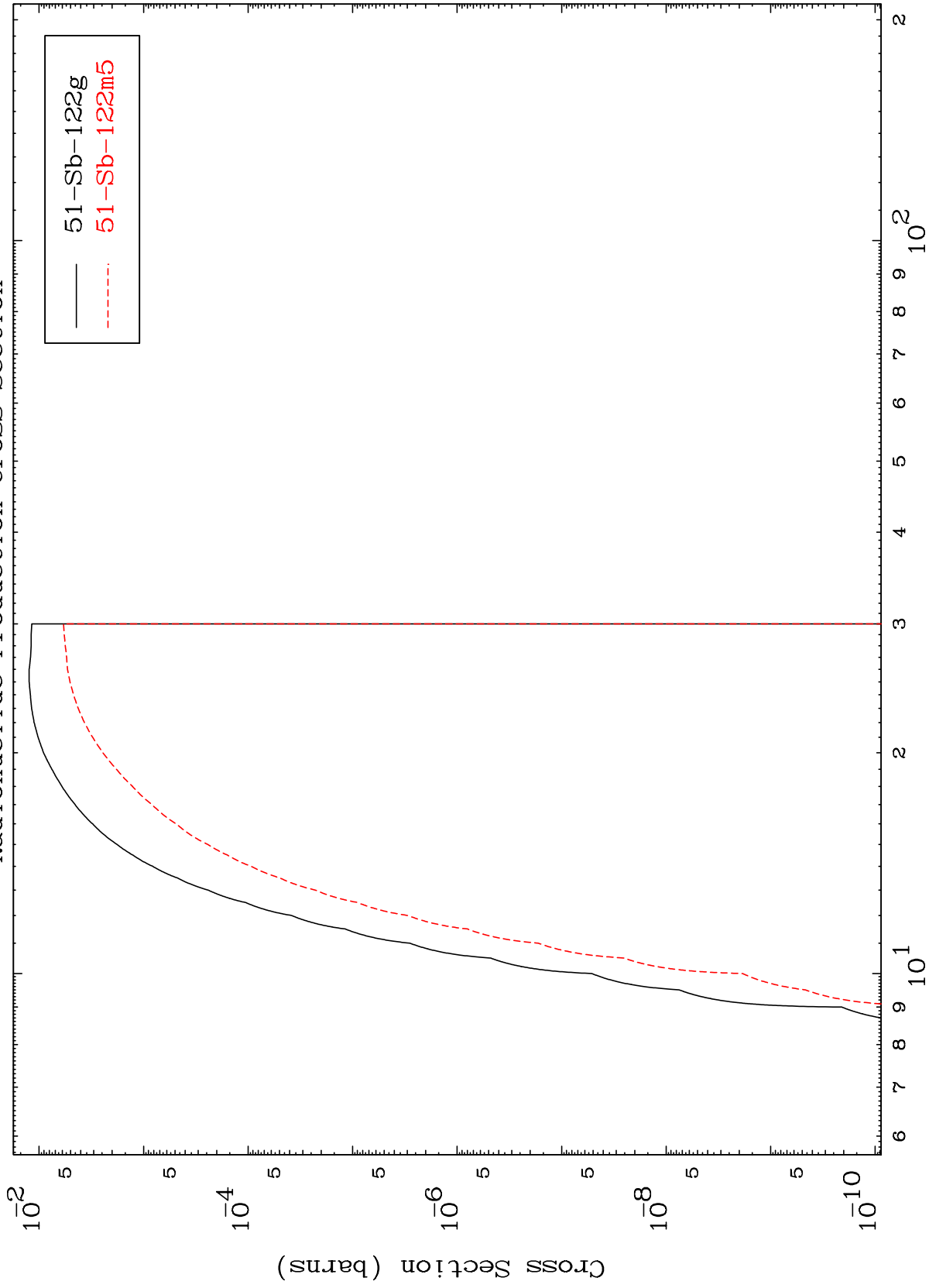
52-Te-123

MAT 5234

(n,d)

52-Te-123

Radionuclide Production Cross Section



118

Incident Energy (MeV)

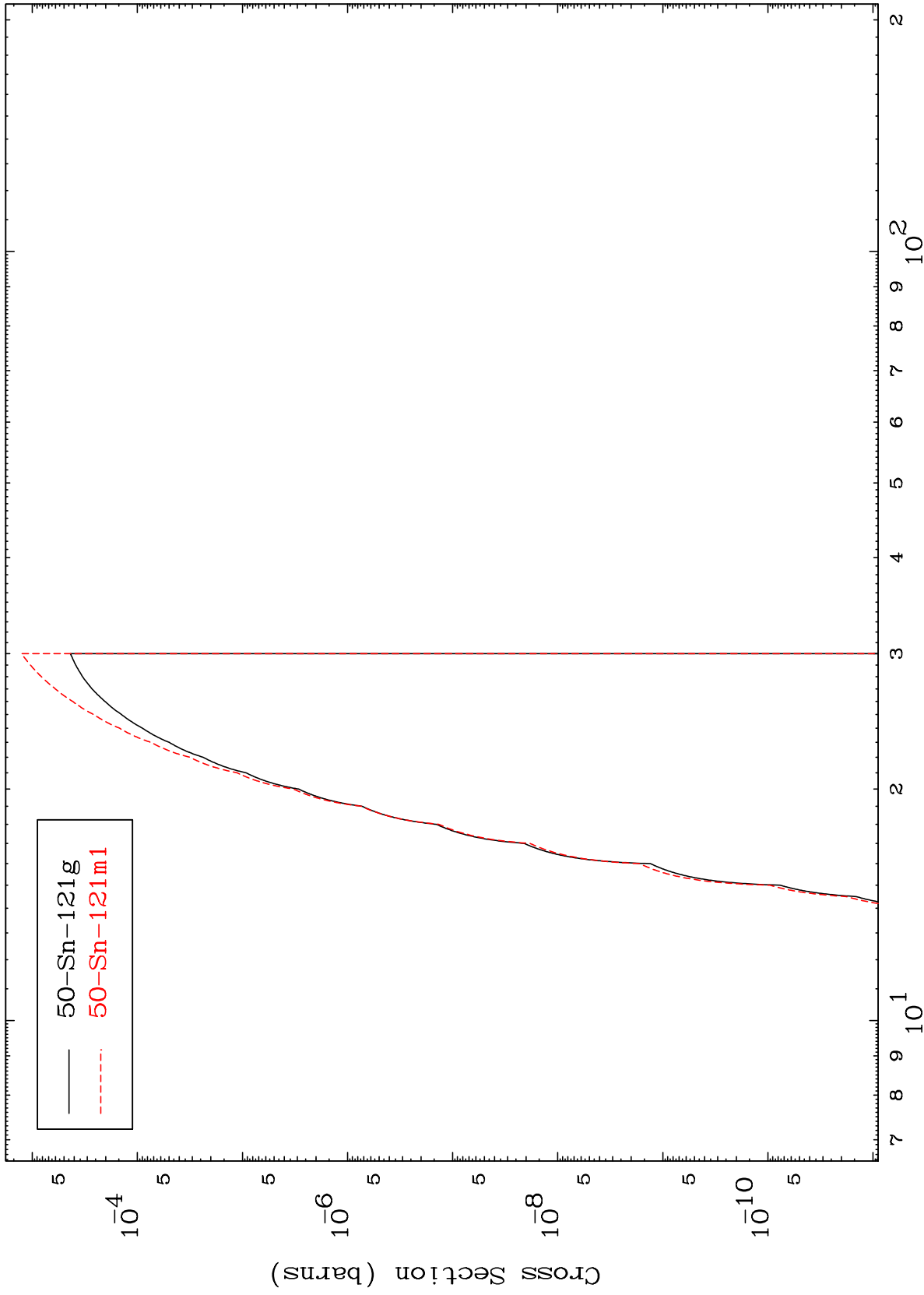
52-Te-123

MAT 5234

(n,He-3)

52-Te-123

Radionuclide Production Cross Section



119

Incident Energy (MeV)

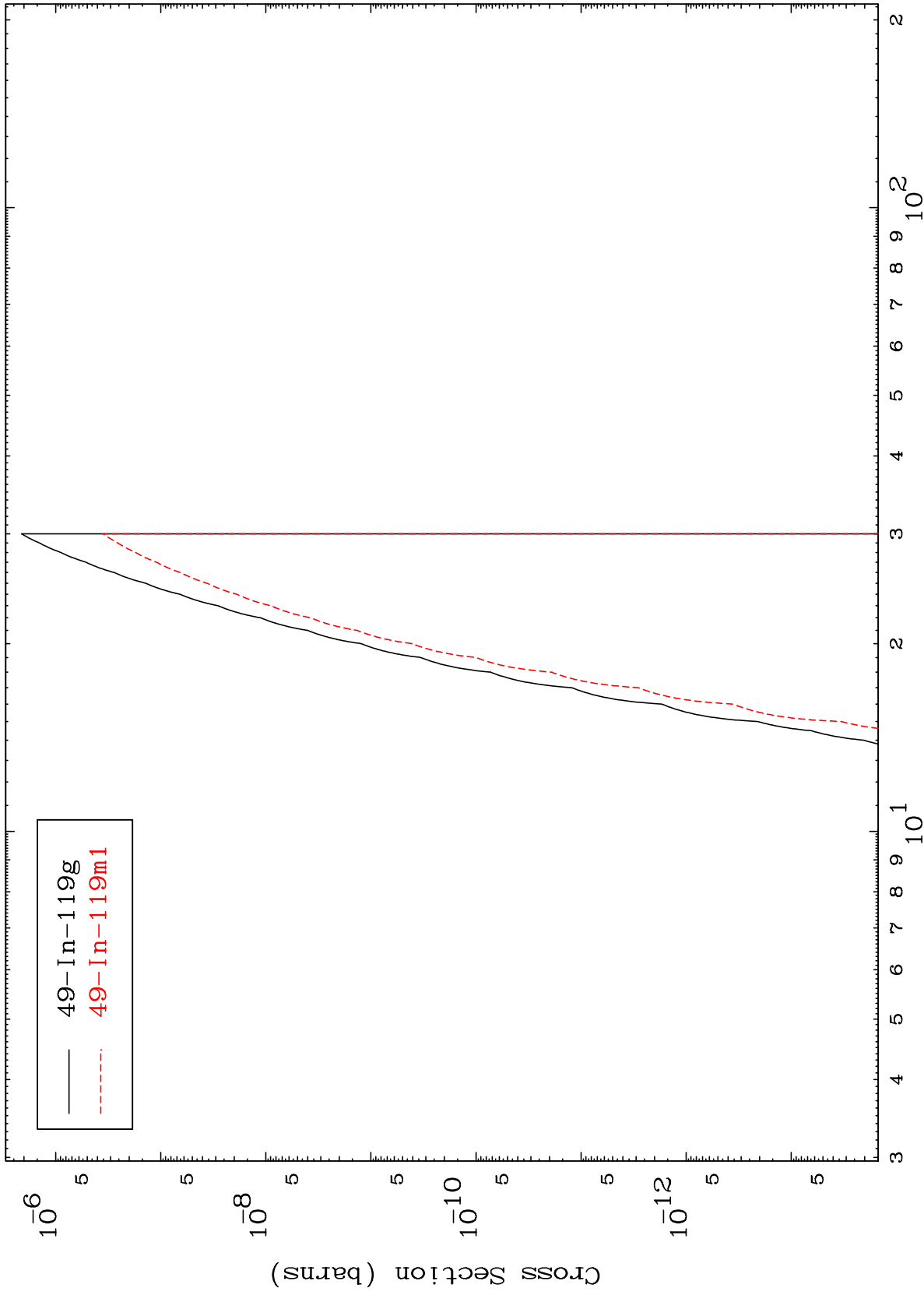
52-Te-123

MAT 5234

(n,p)  $\alpha$

52-Te-123

Radionuclide Production Cross Section



120

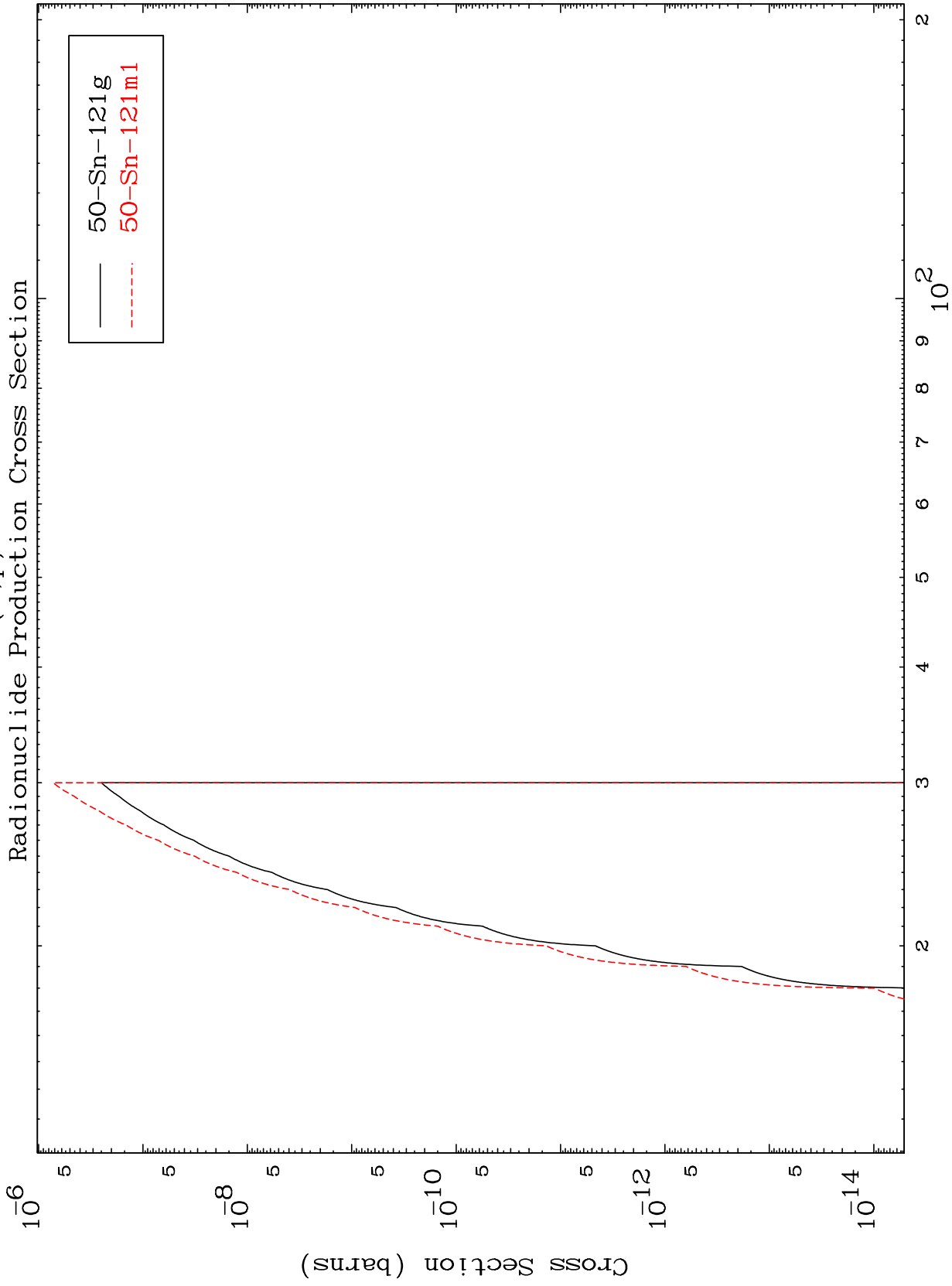
Incident Energy (MeV)

52-Te-123

MAT 5234

(n,p) d

52-Te-123



121

Incident Energy (MeV)

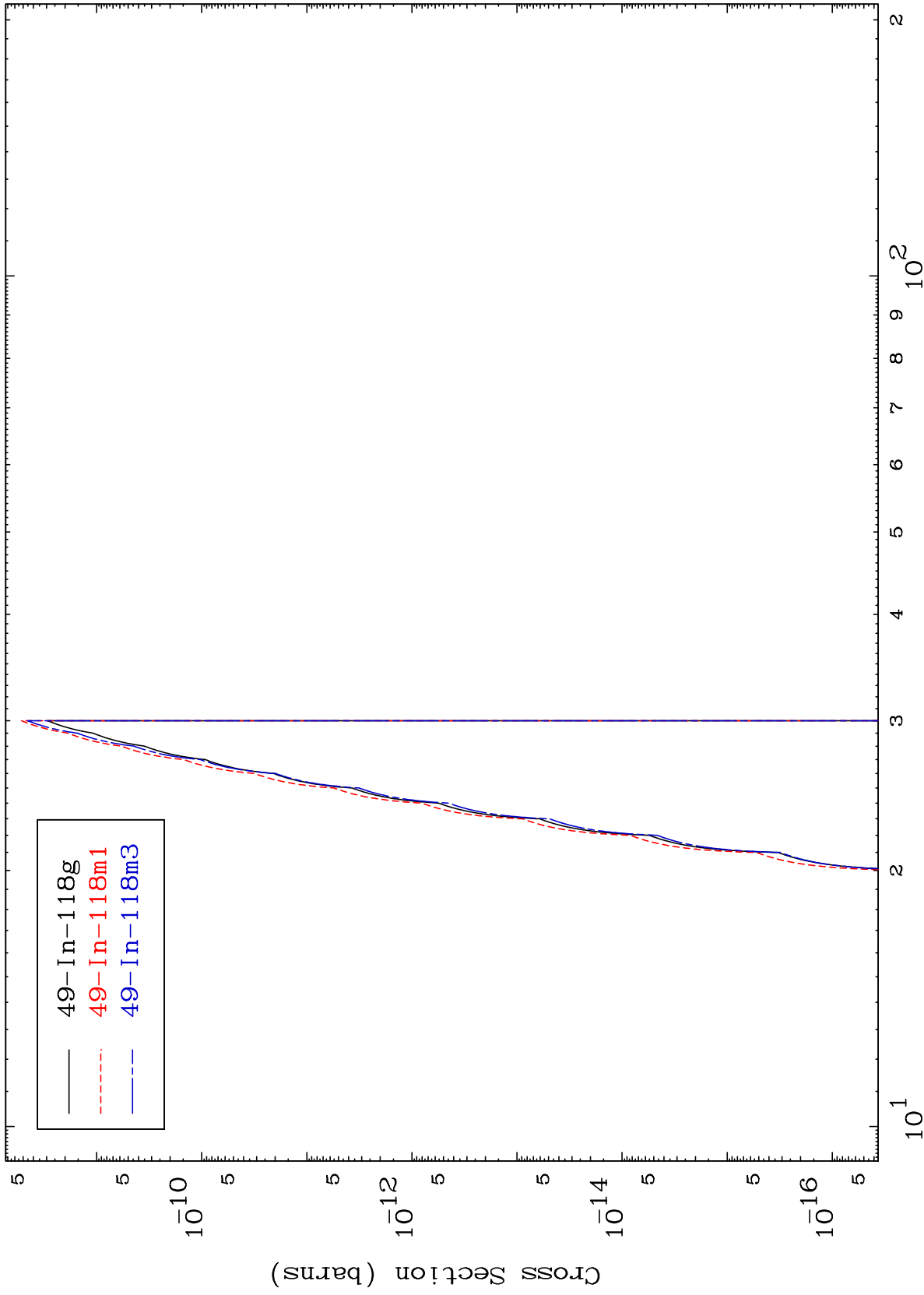
52-Te-123

MAT 5234

(n,d)  $\alpha$

52-Te-123

Radionuclide Production Cross Section



122

Incident Energy (MeV)

52-Te-123