

Program EVALPLOT  
(Version 2018-1)

by

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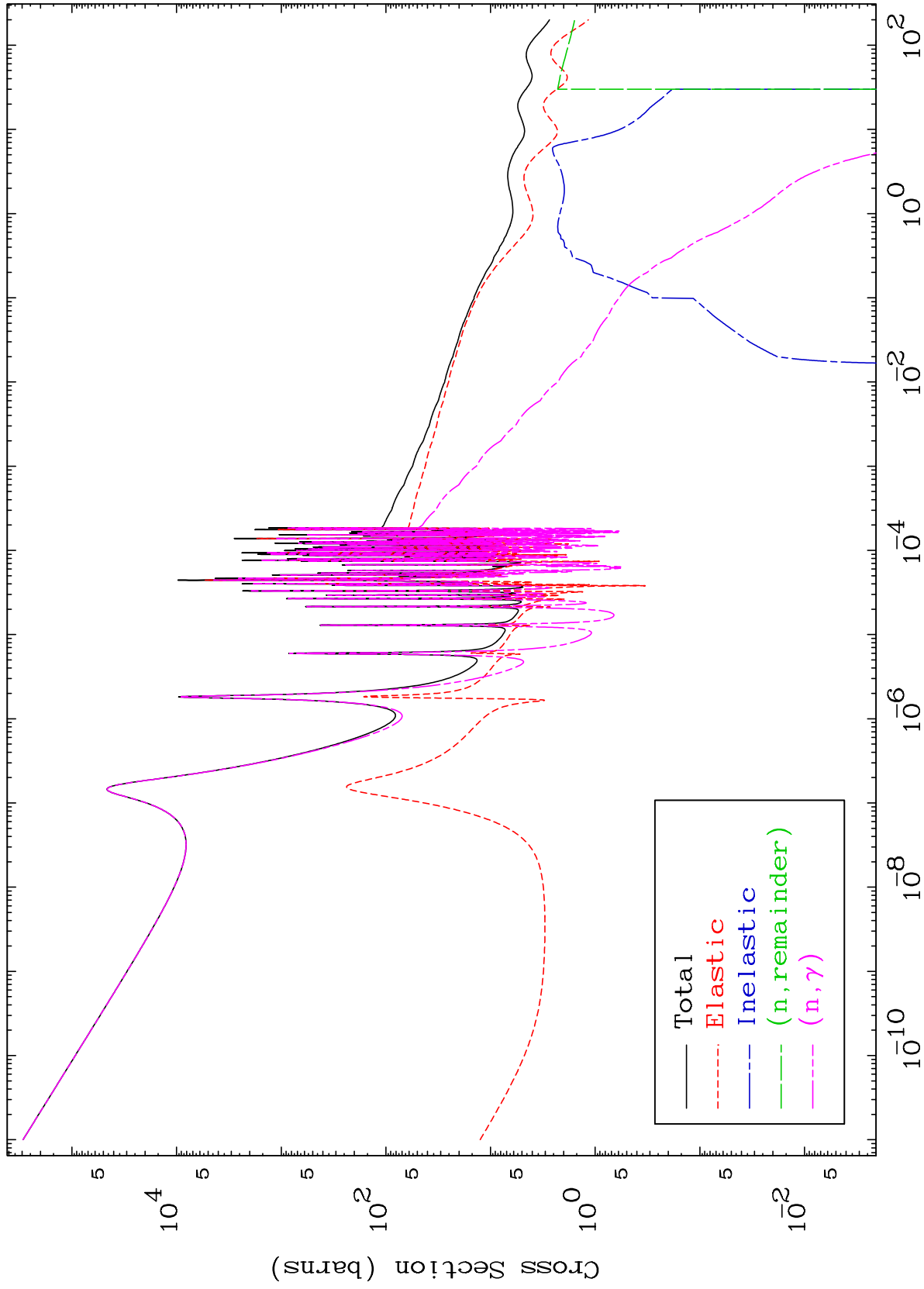
Press Mouse Button to Start

MAT 7331

Major

293 Kelvin Cross Sections

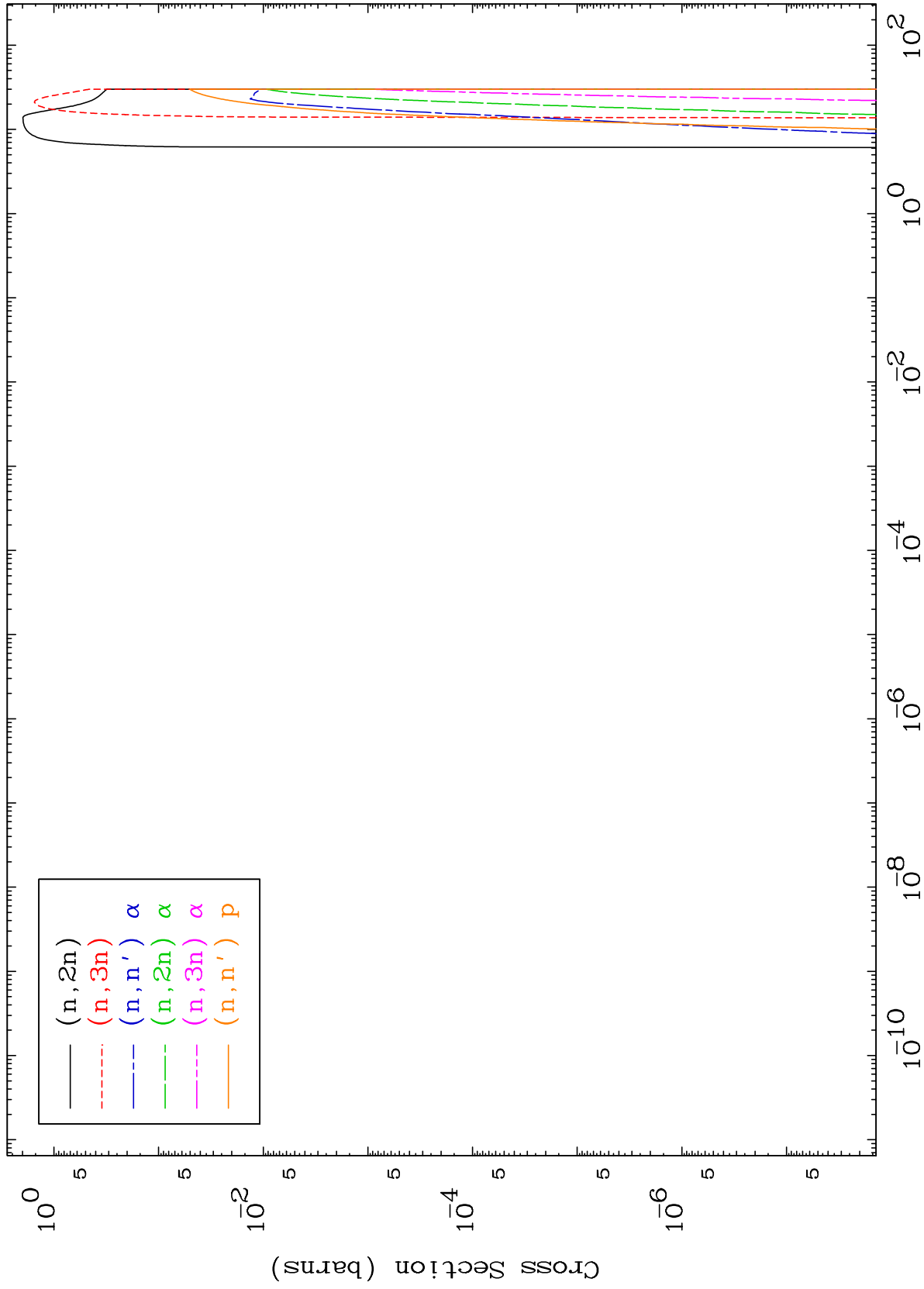
73-Ta-182



MAT 7331

Neutron Production  
293 Kelvin Cross Sections

73-Ta-182



2

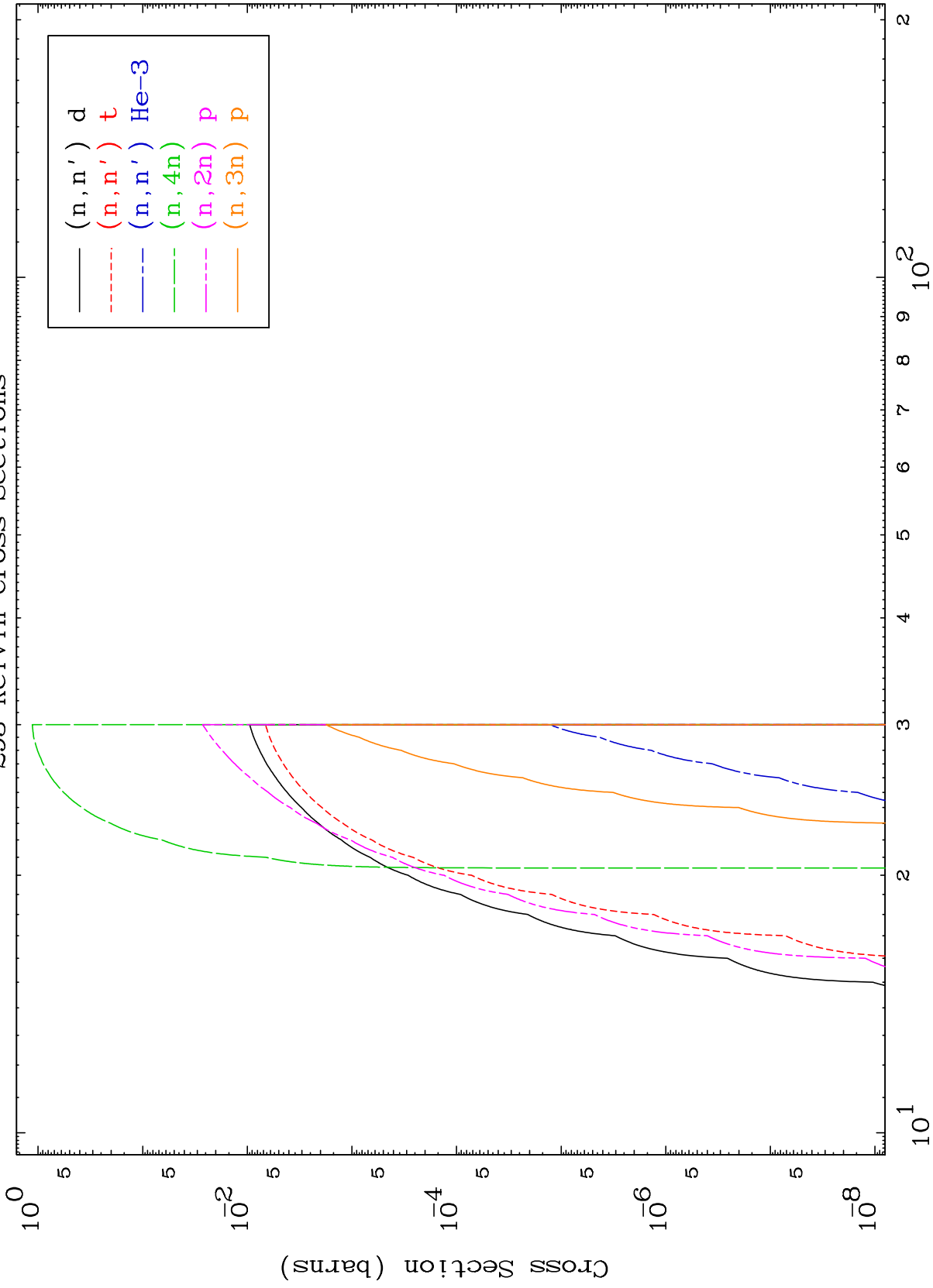
Incident Energy (MeV)

73-Ta-182

MAT 7331

Neutron Production  
293 Kelvin Cross Sections

73-Ta-182



Incident Energy (MeV)

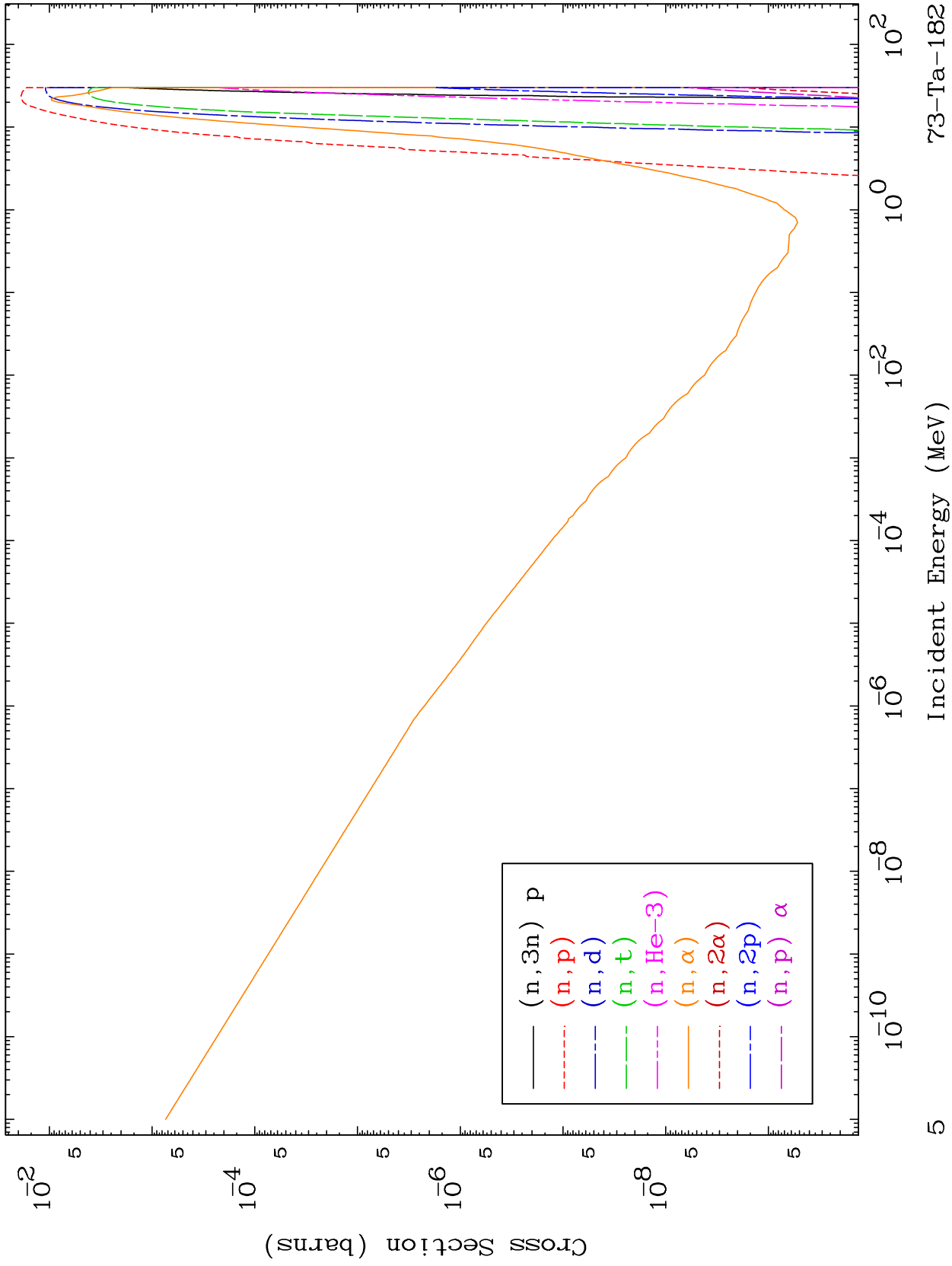
73-Ta-182



MAT 7331

Charged Particle  
293 Kelvin Cross Sections

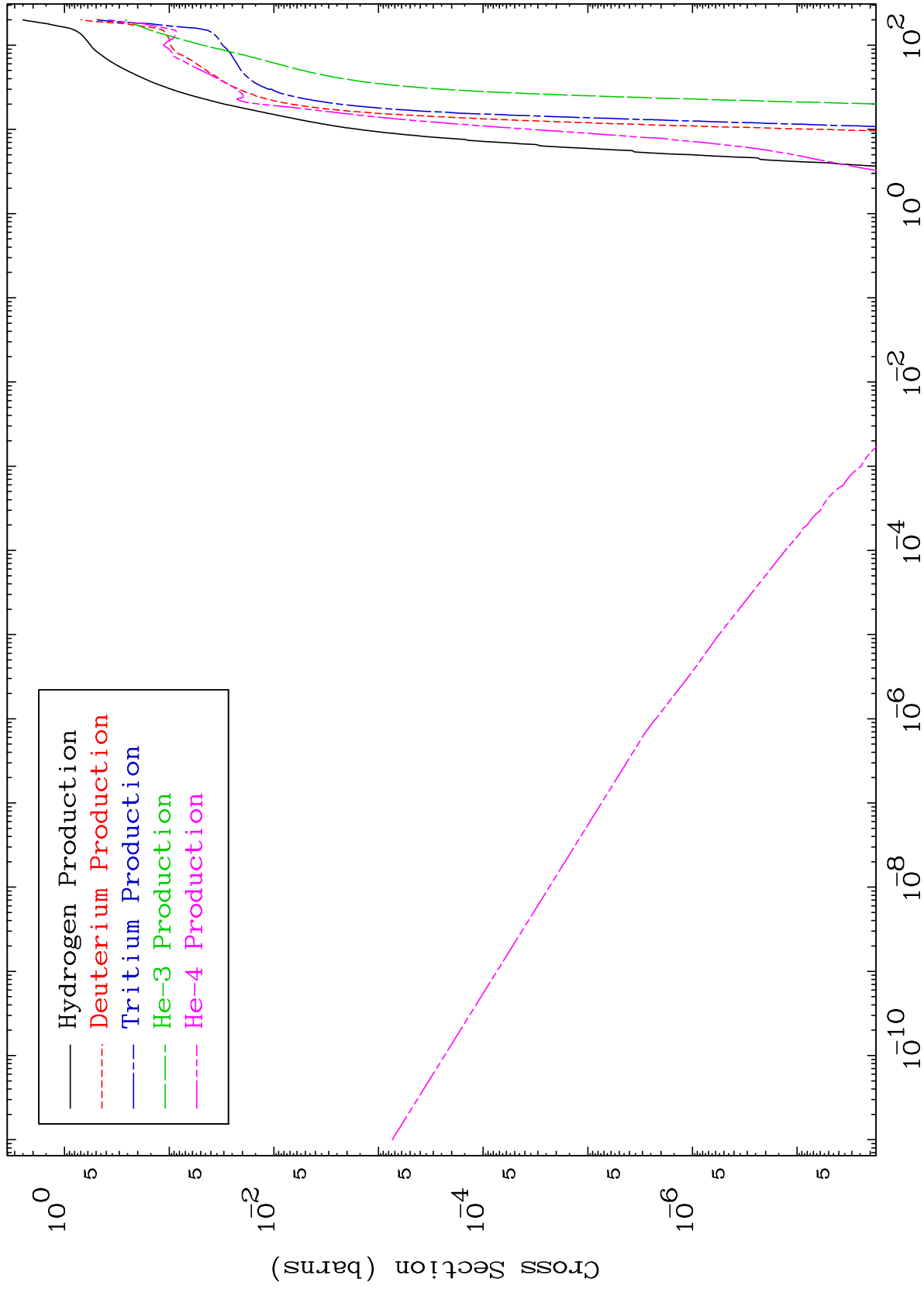
73-Ta-182



MAT 7331

Particle Production  
293 Kelvin Cross Sections

73-Ta-182



6

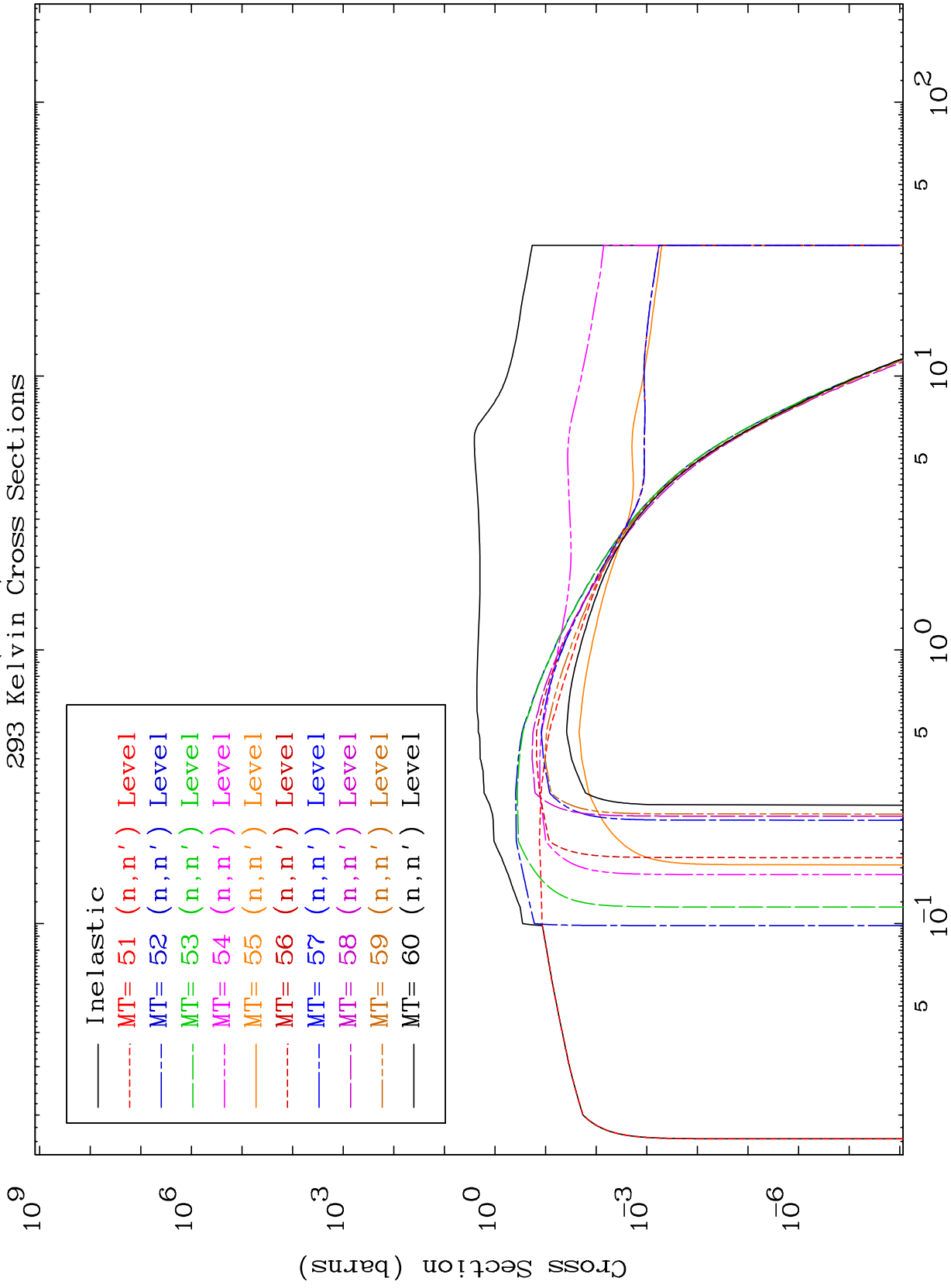
Incident Energy (MeV)

73-Ta-182

MAT 7331

(n,n') Level  
293 Kelvin Cross Sections

73-Ta-182



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Incident Energy (MeV)

73-Ta-182

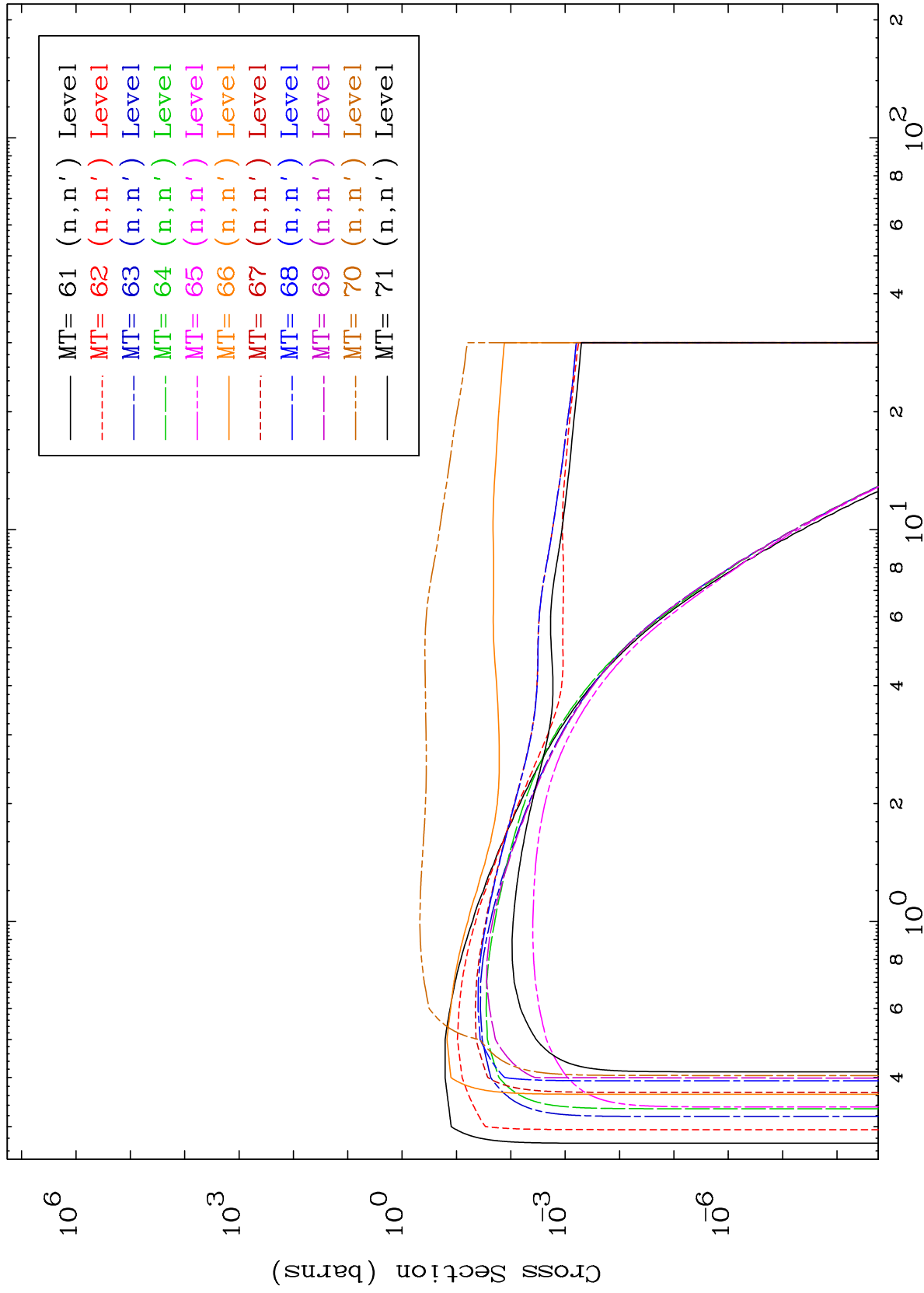


MAT 7331

(n,n') Level

73-Ta-182

293 Kelvin Cross Sections



8

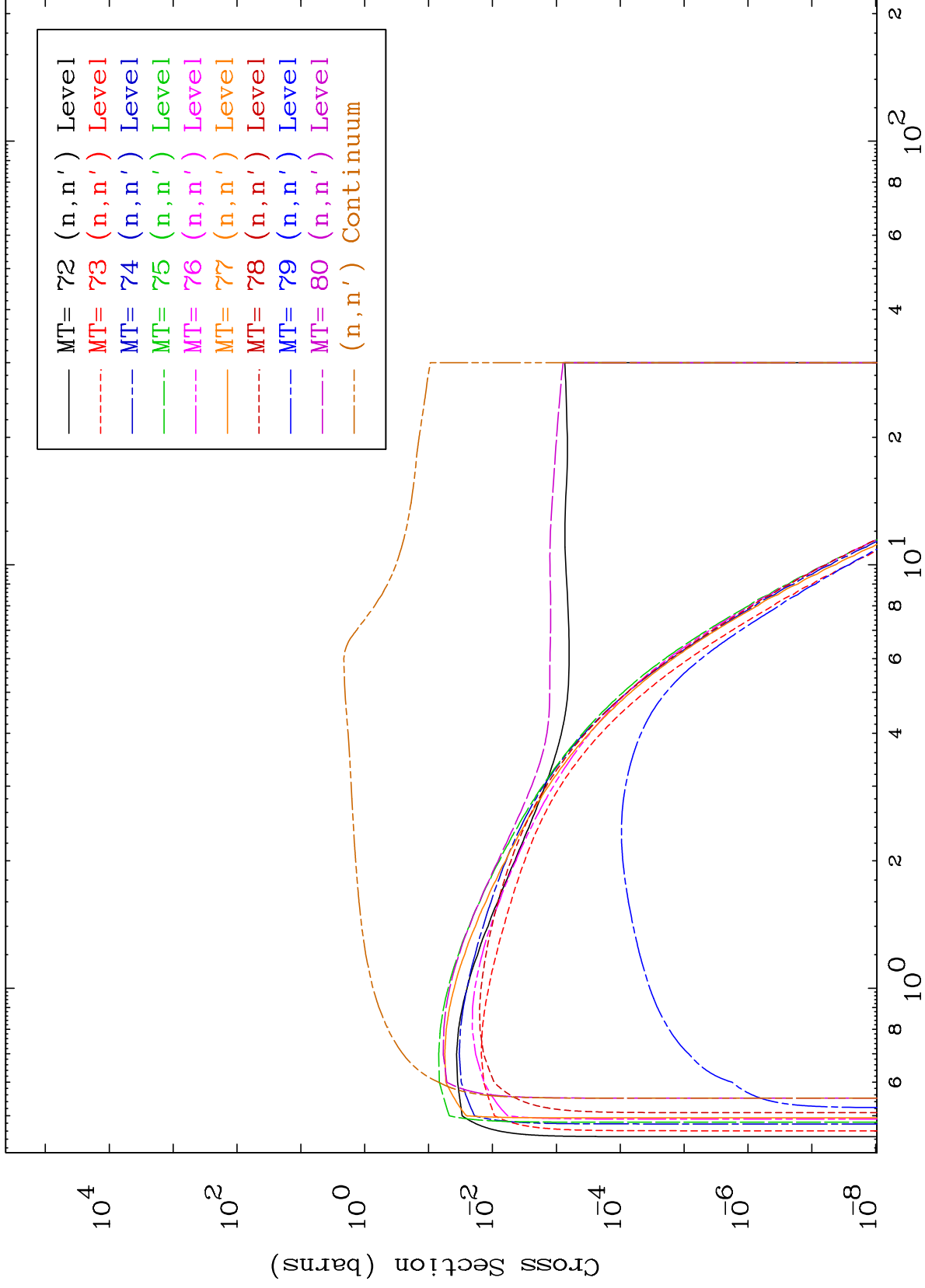
Incident Energy (MeV)

73-Ta-182

MAT 7331

(n,n') Level  
293 Kelvin Cross Sections

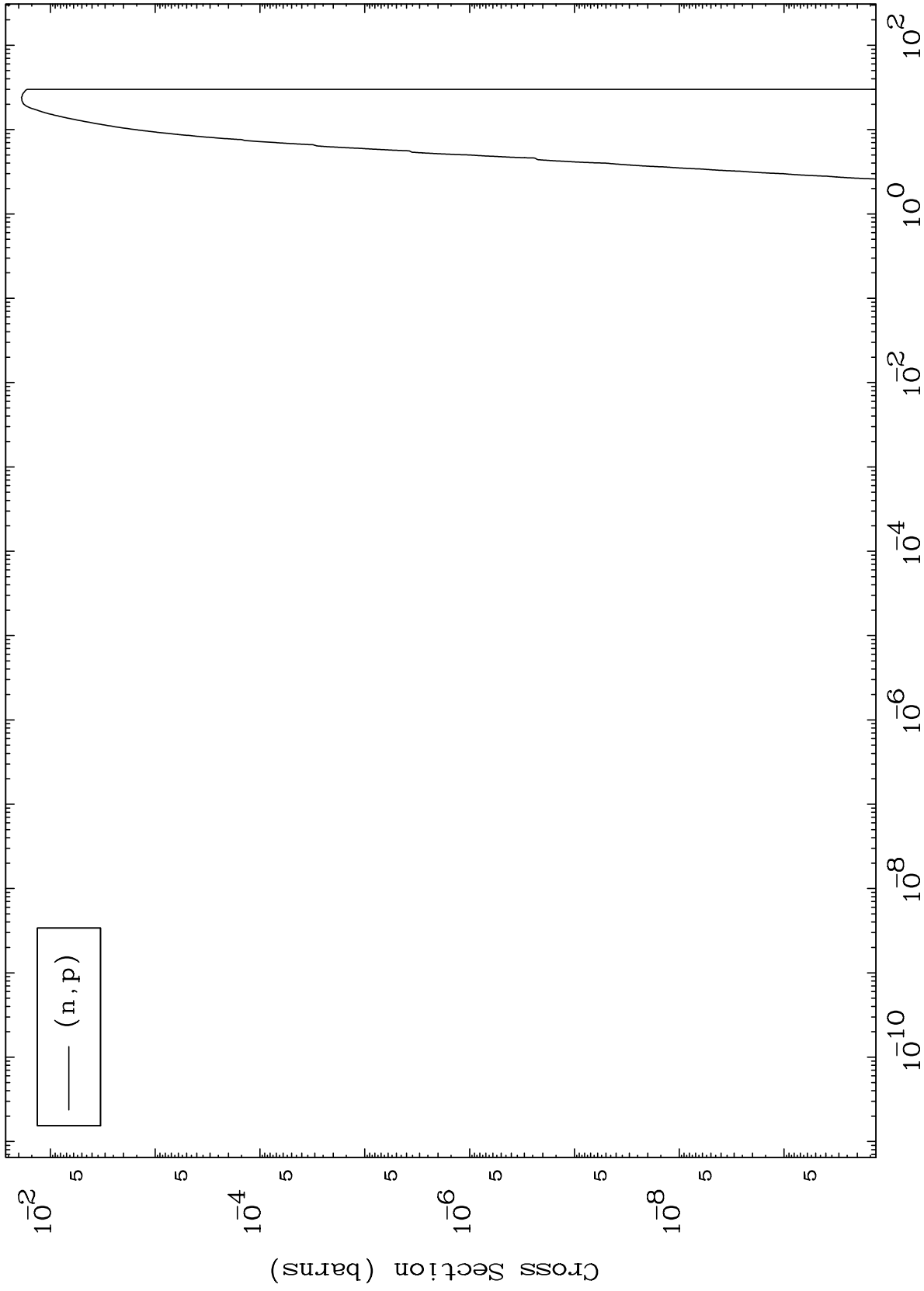
73-Ta-182



MAT 7331

(n,p) Levels  
293 Kelvin Cross Sections

73-Ta-182



10

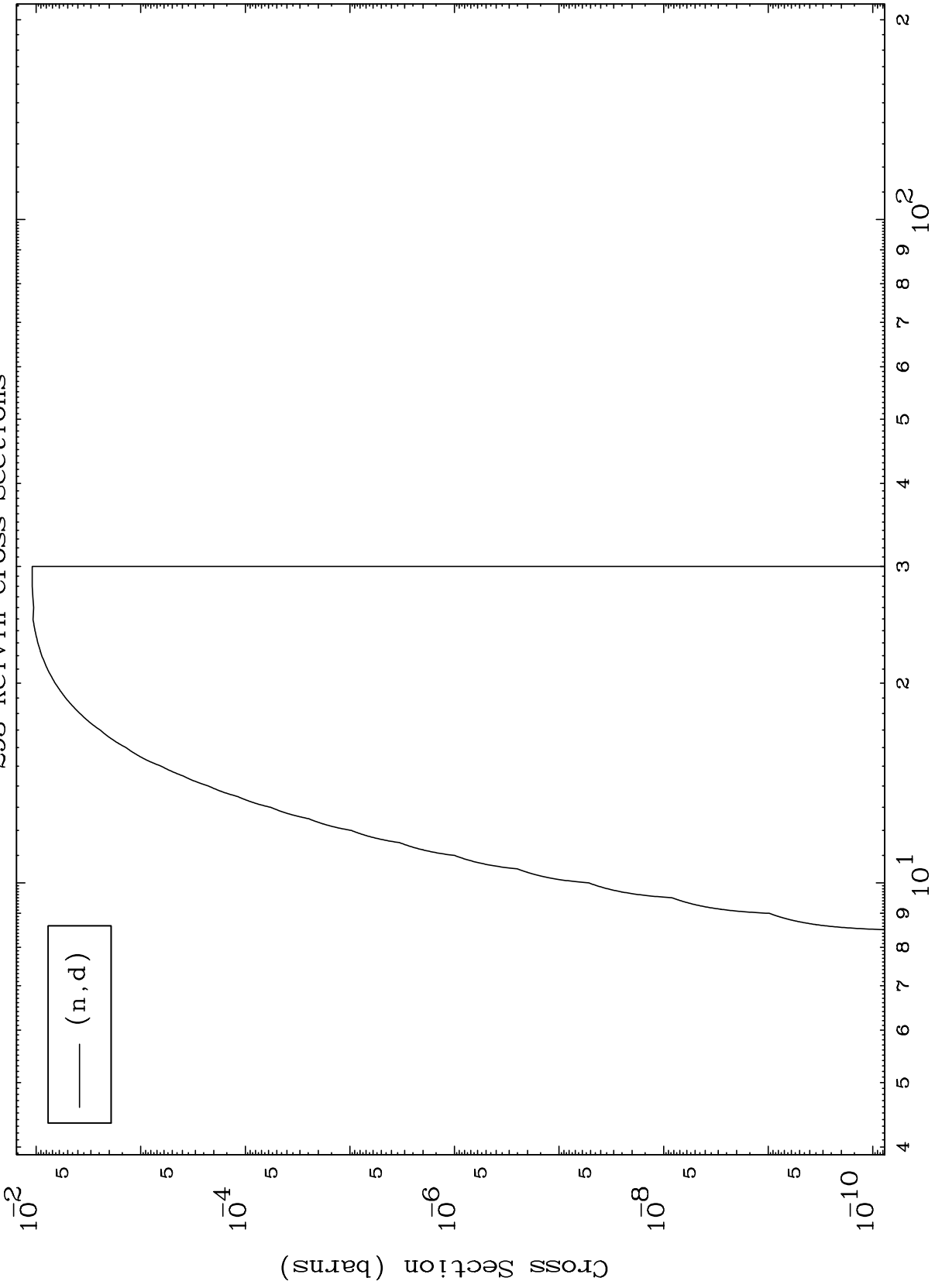
Incident Energy (MeV)

73-Ta-182

MAT 7331

(n,d) Levels  
293 Kelvin Cross Sections

73-Ta-182



11

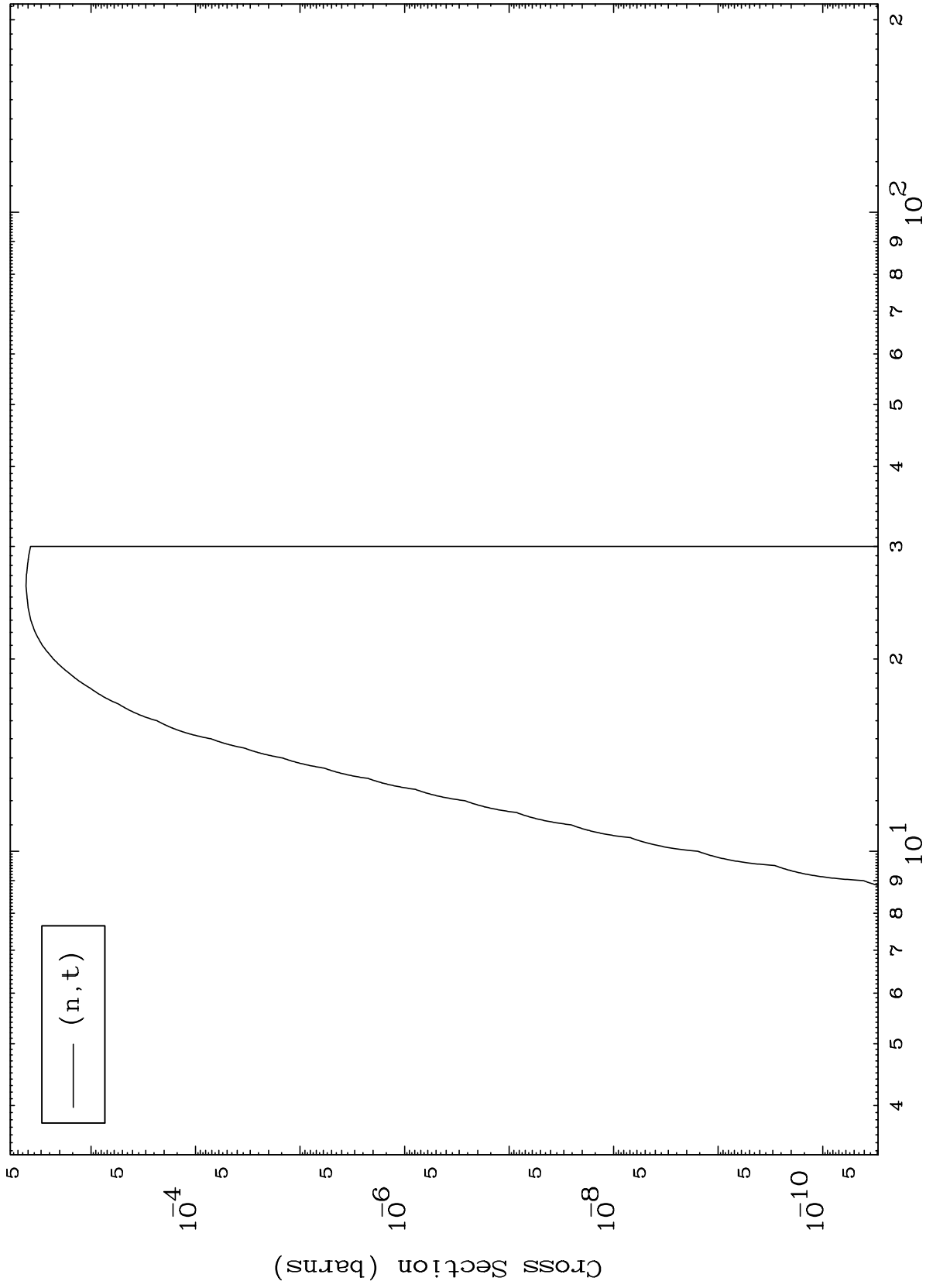
Incident Energy (MeV)

73-Ta-182

MAT 7331

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-182



12

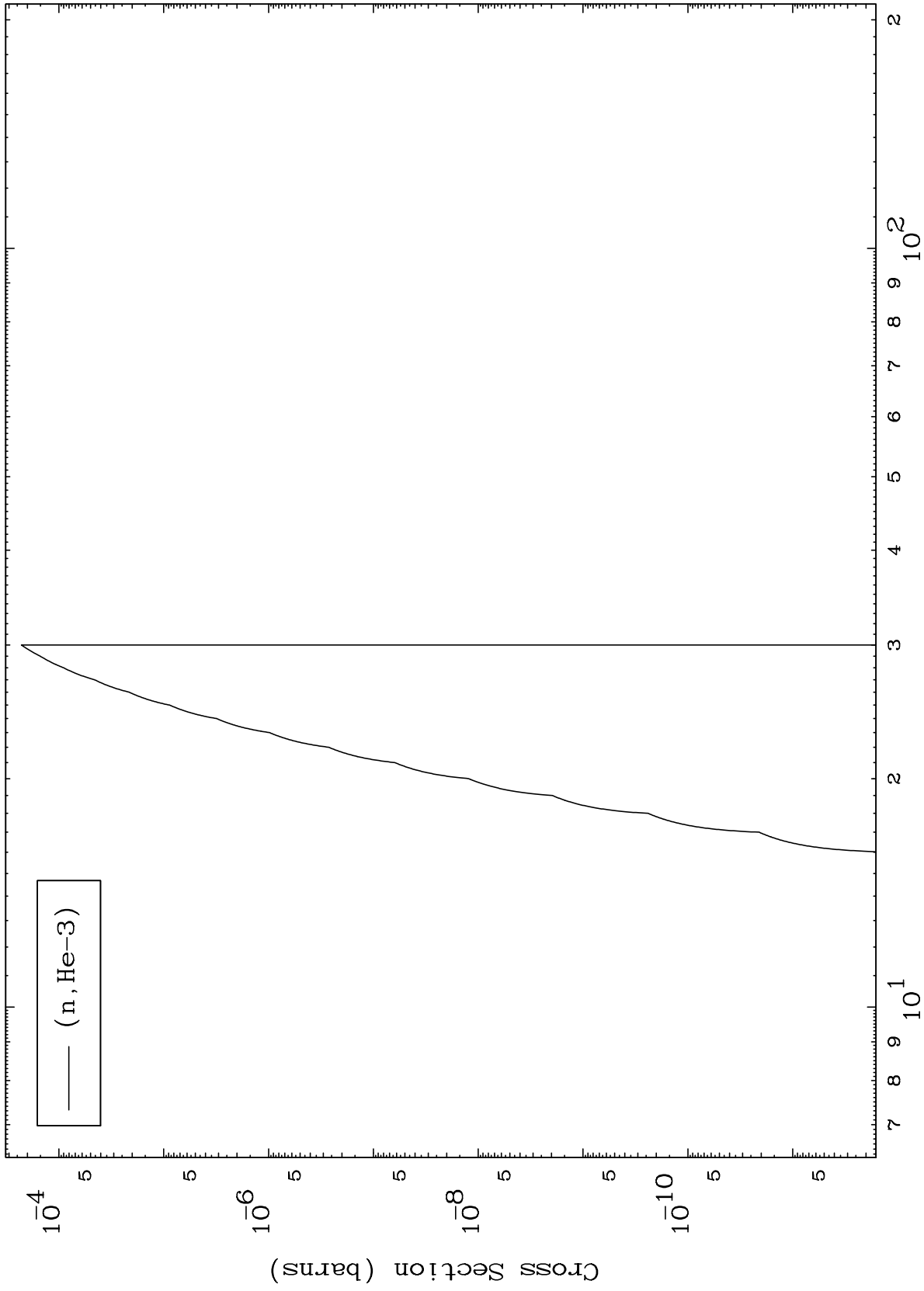
Incident Energy (MeV)

73-Ta-182

MAT 7331

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-182



13

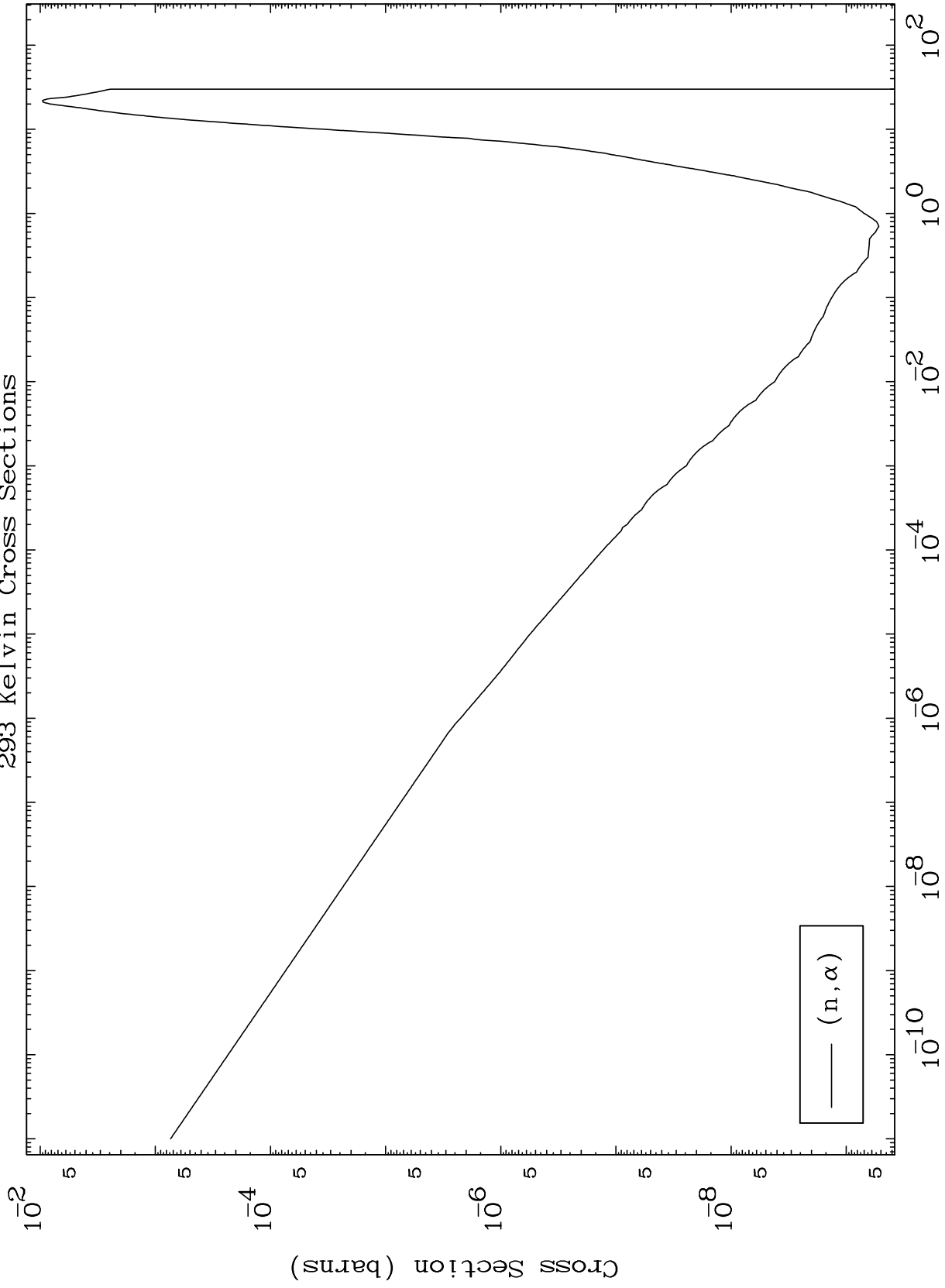
Incident Energy (MeV)

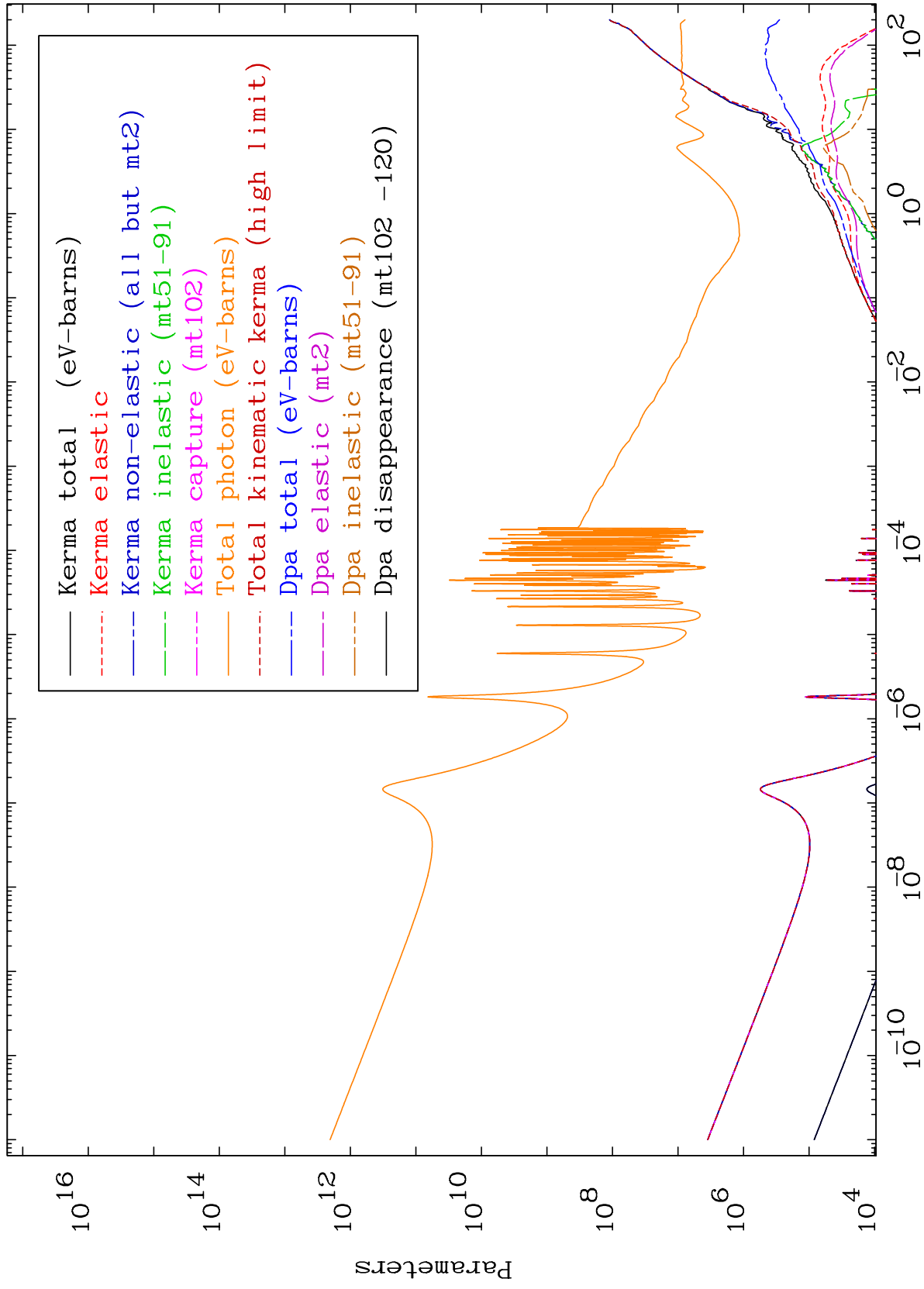
73-Ta-182

MAT 7331

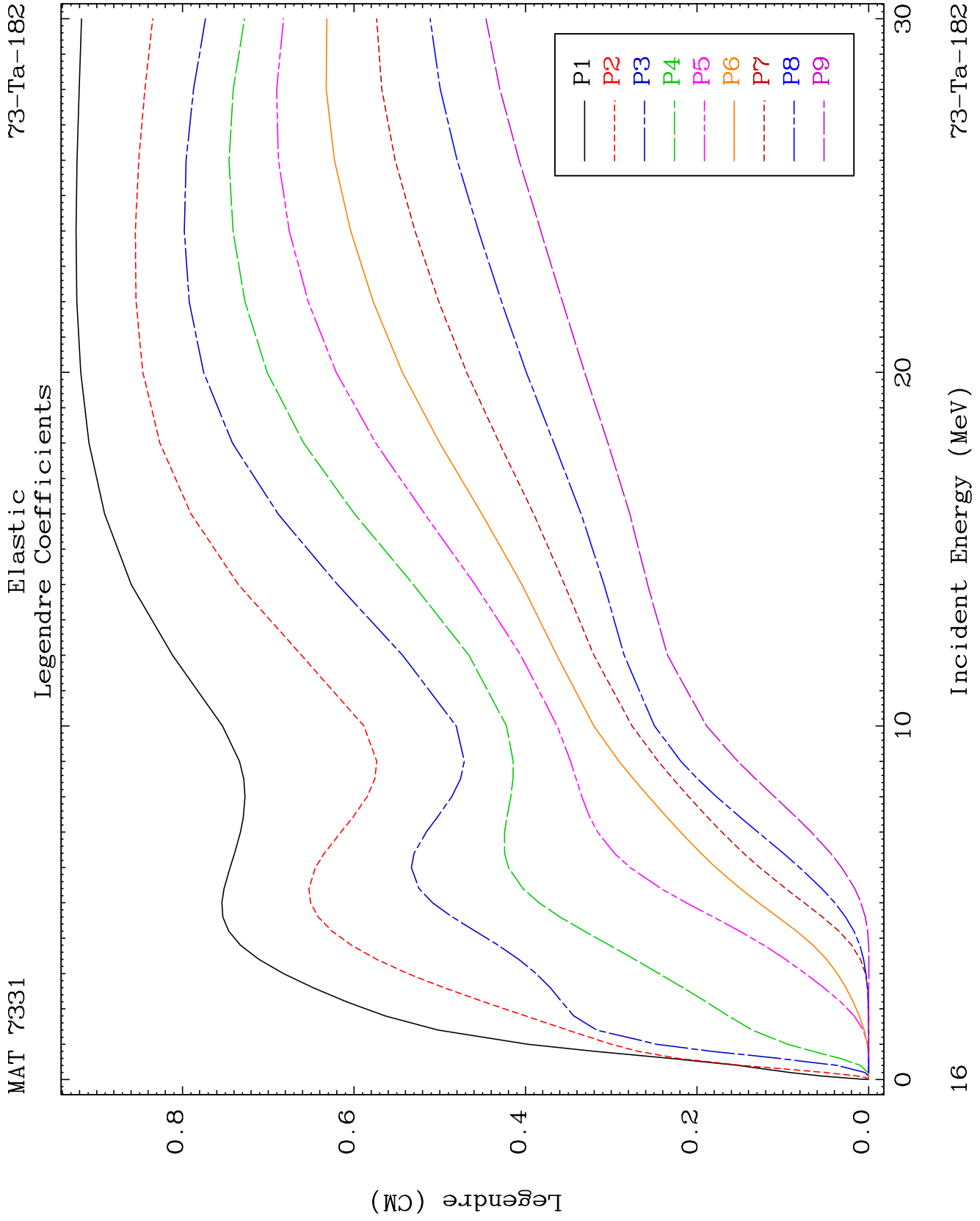
293 Kelvin Cross Sections  
(n,  $\alpha$ ) Levels

73-Ta-182





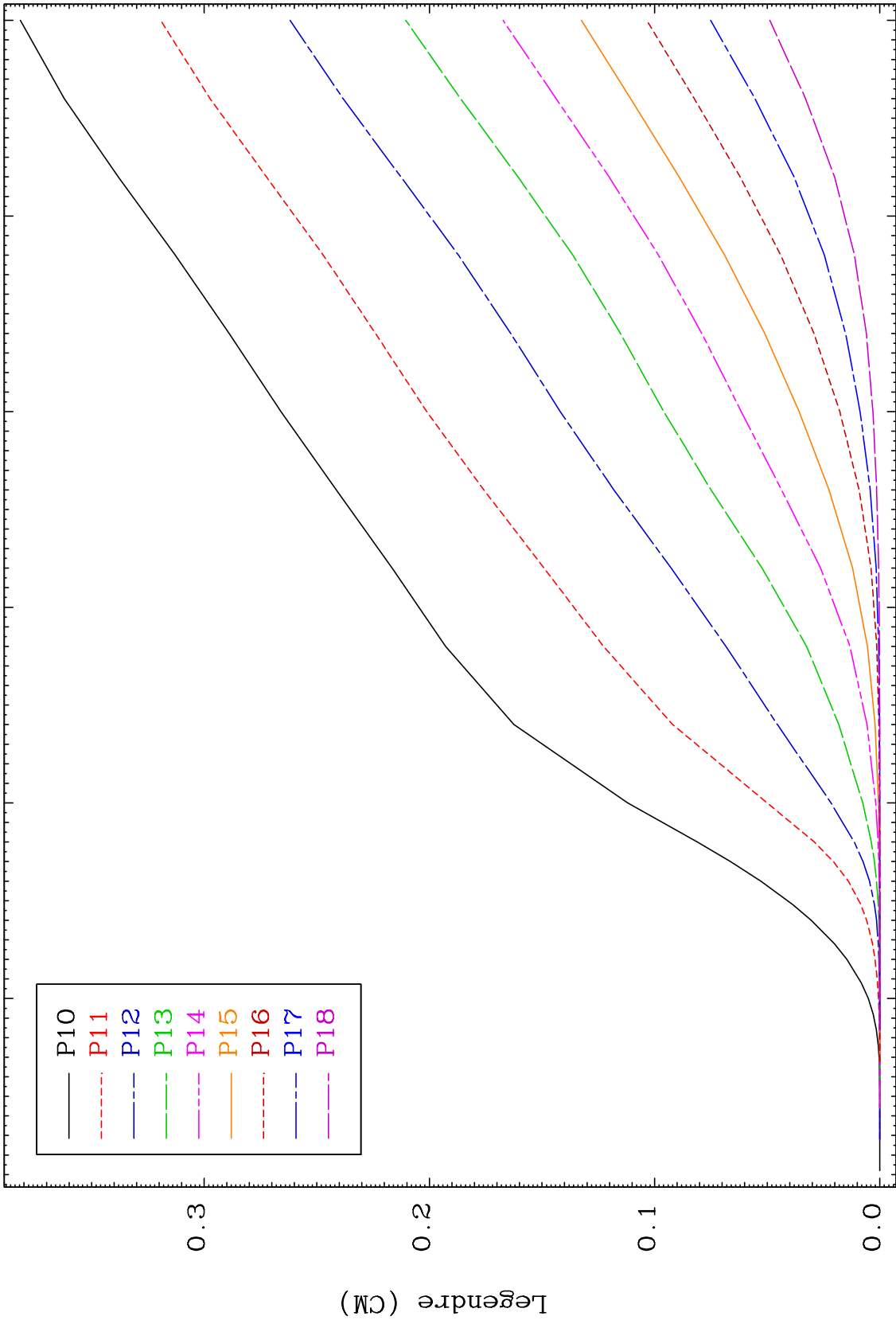




MAT 7331

Elastic Legendre Coefficients

<sup>73</sup>Ta-182



17

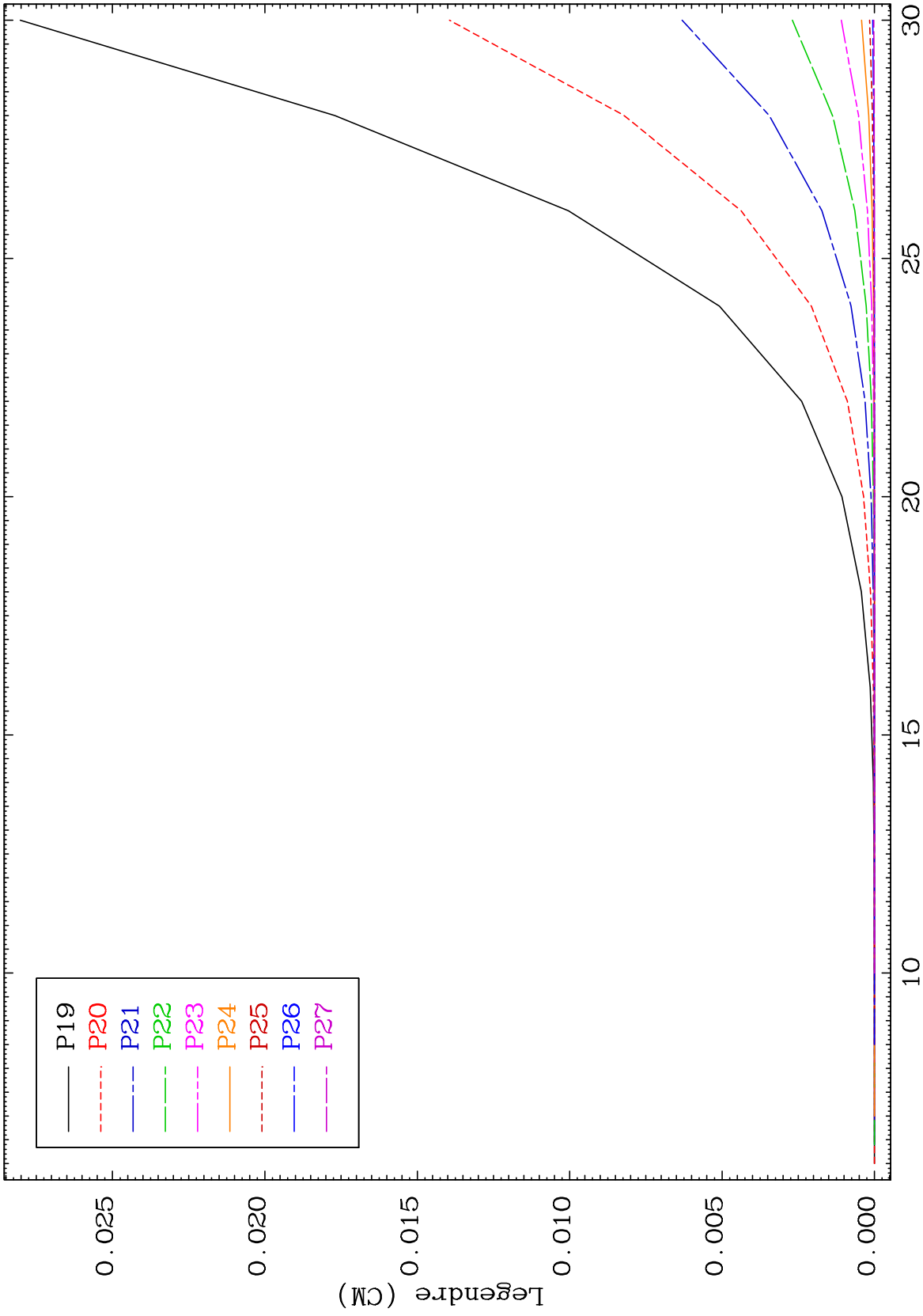
Incident Energy (MeV)

<sup>73</sup>Ta-182

MAT 7331

### Elastic Legendre Coefficients

73-Ta-182



18

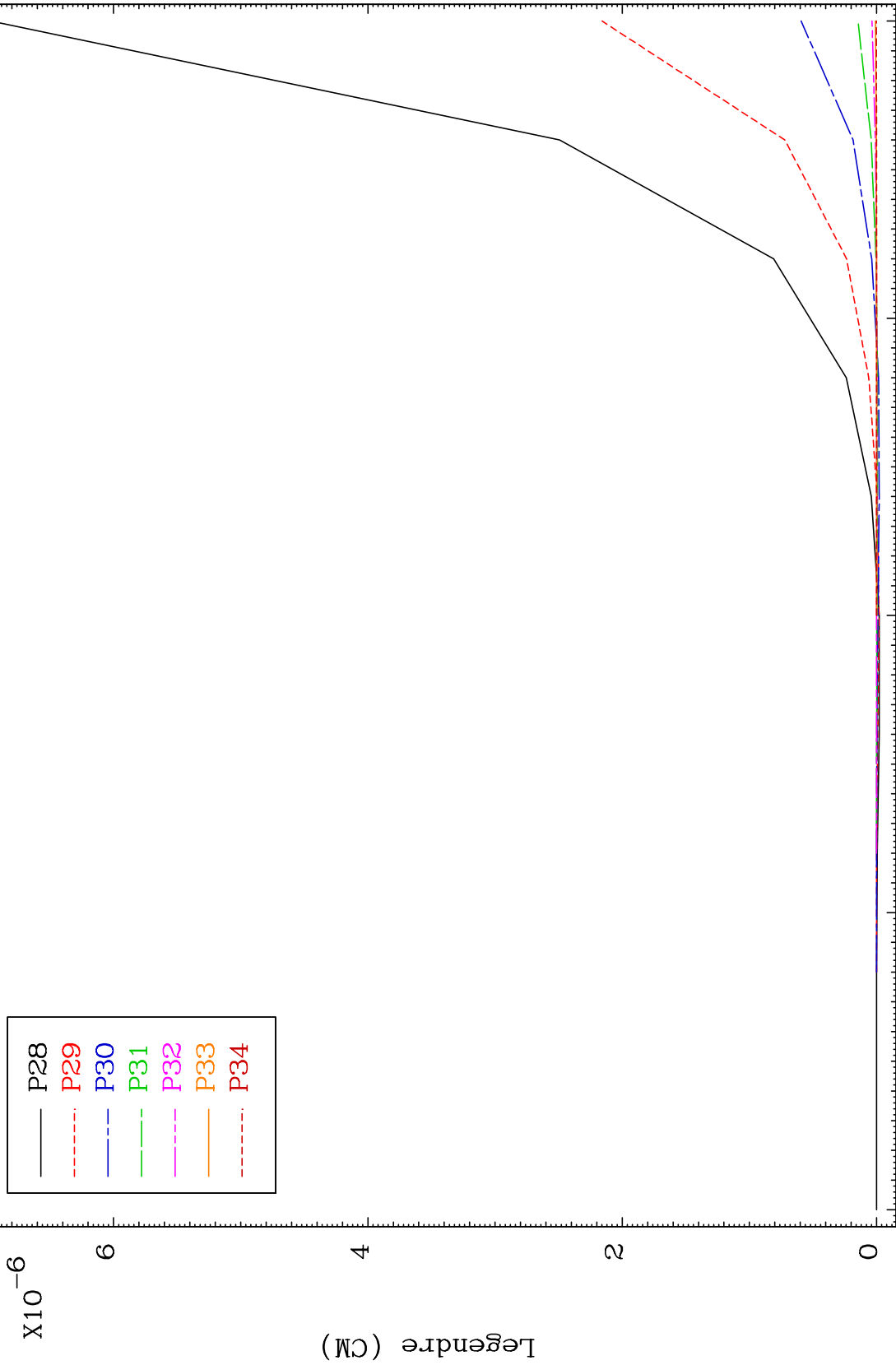
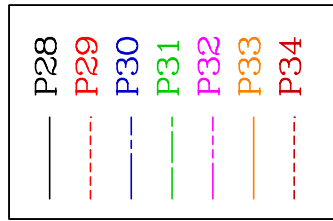
Incident Energy (MeV)

73-Ta-182

MAT 7331

Elastic Legendre Coefficients

73-Ta-182

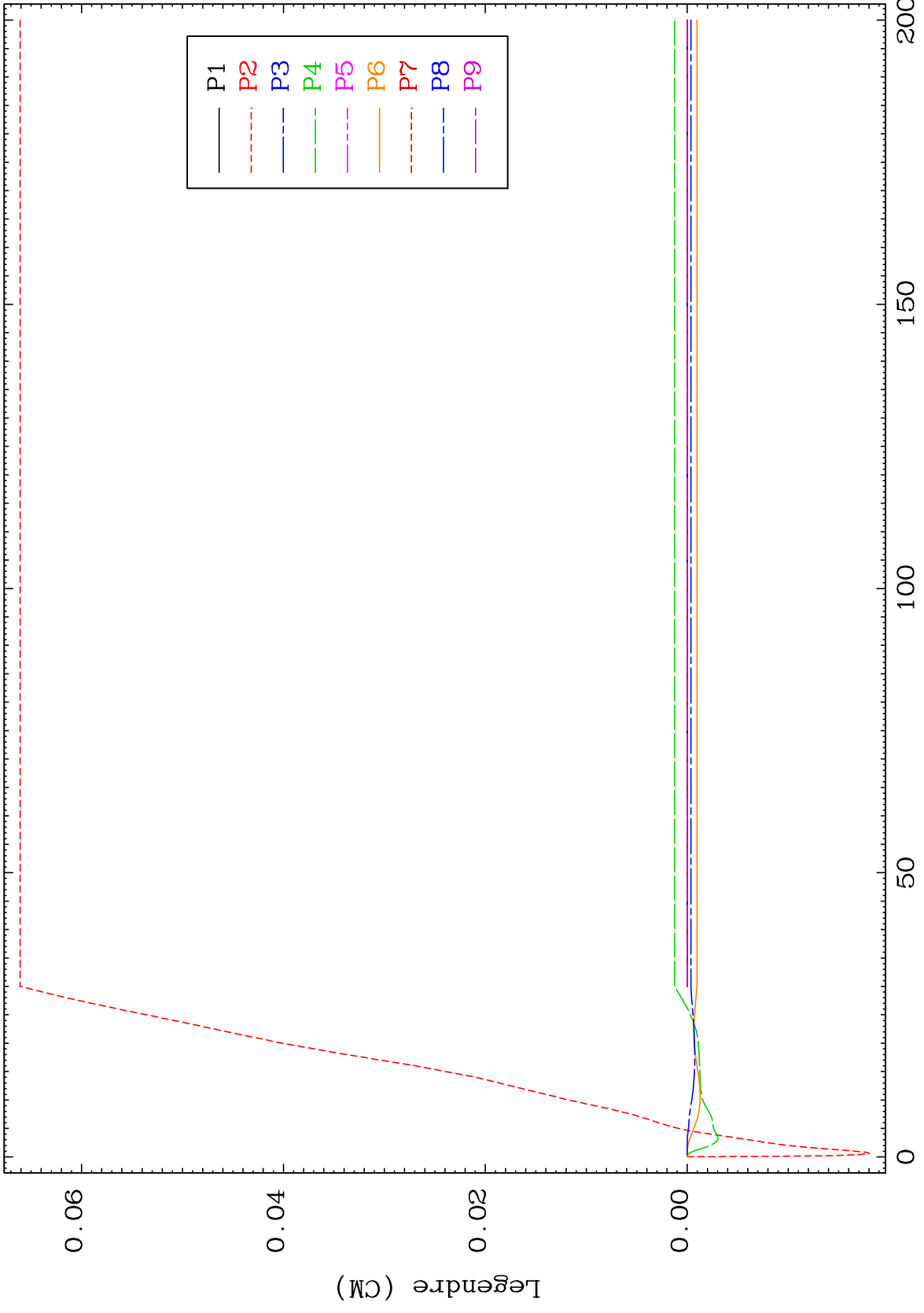


19

Incident Energy (MeV)

73-Ta-182

MAT 7331 MT= 51 (n,n') Level Legendre Coefficients 73-Ta-182

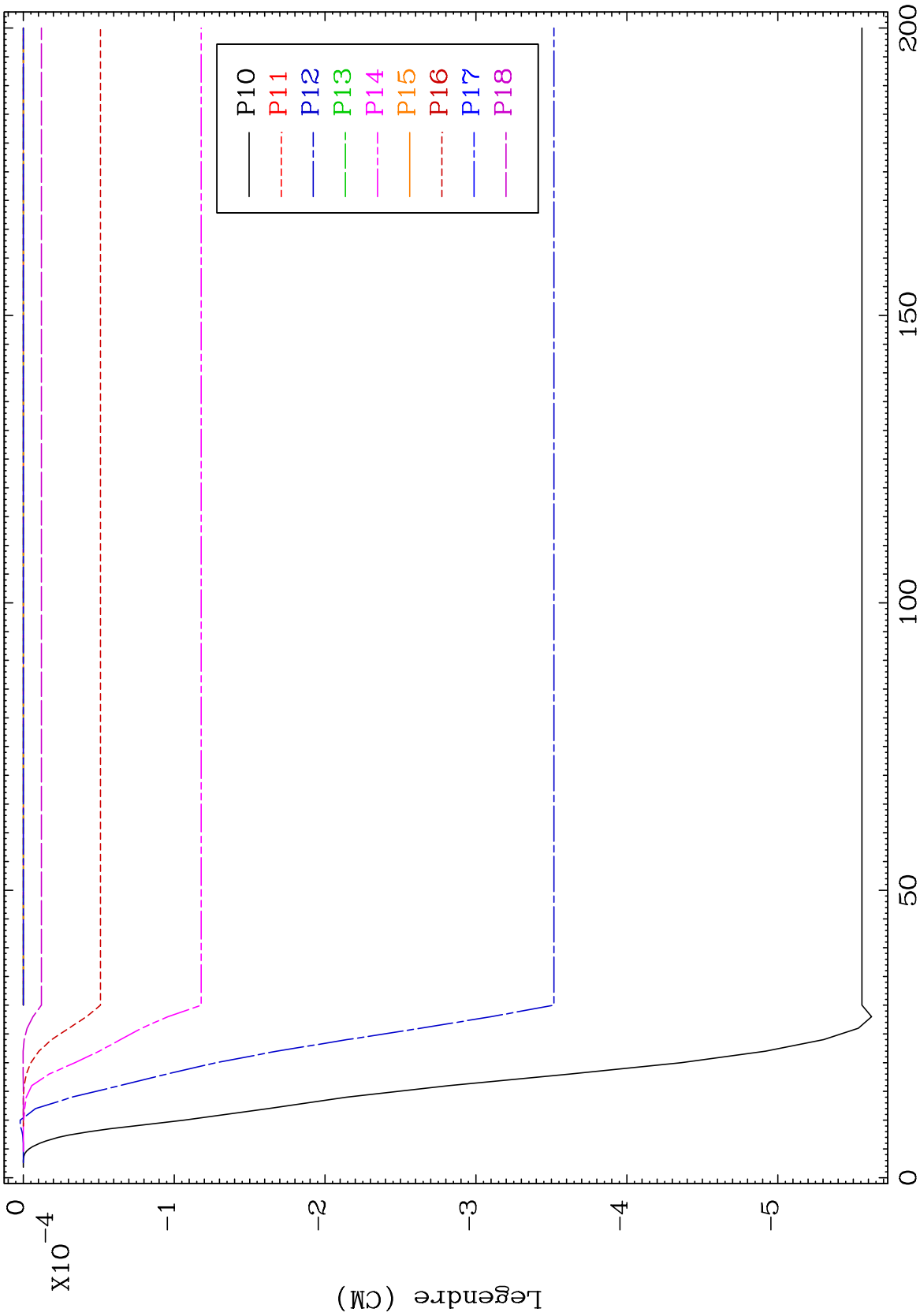


73-Ta-182

MAT 7331

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

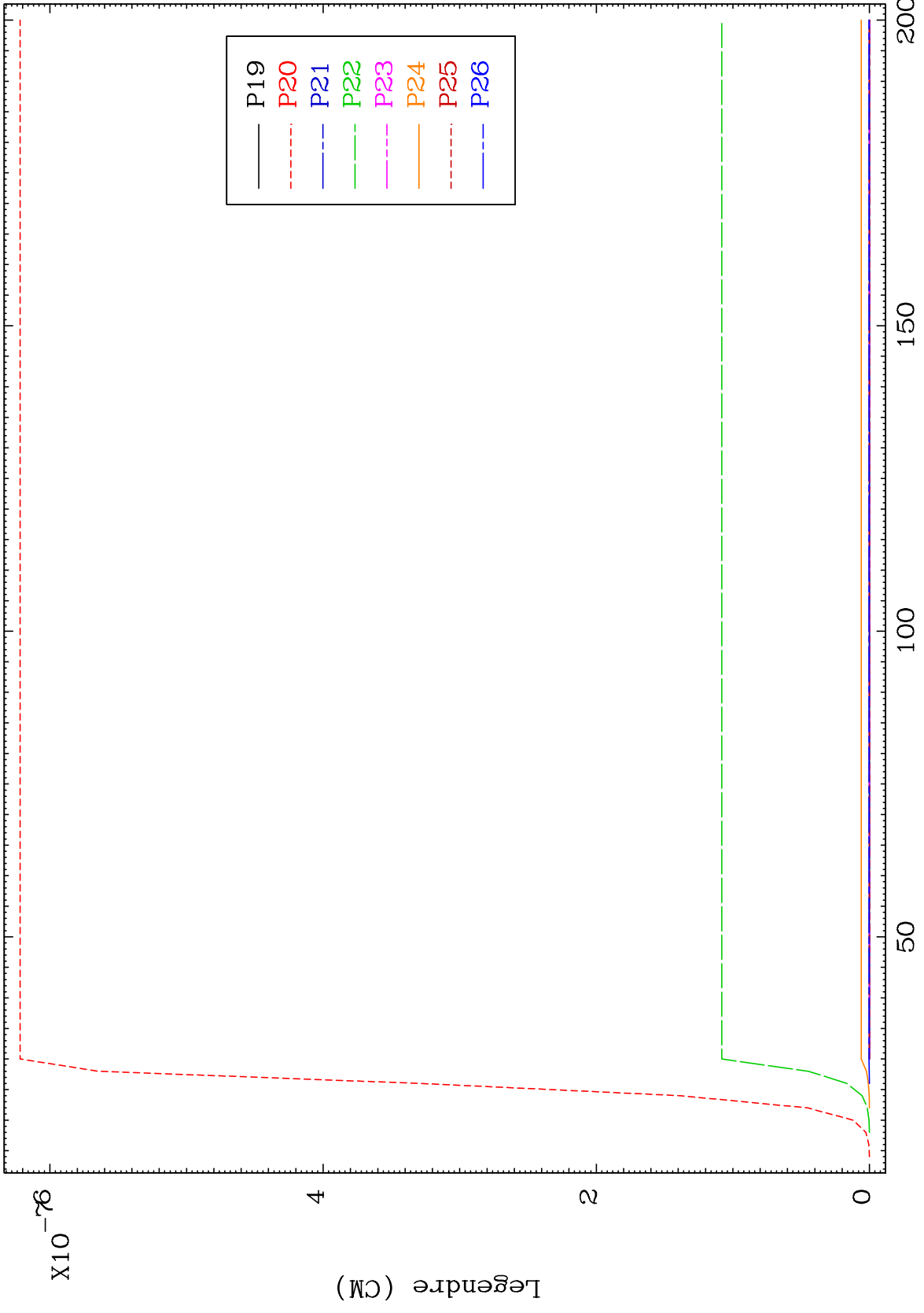
73-Ta-182



21

73-Ta-182

MAT 7331 MT= 51 (n,n') Level Legendre Coefficients 73-Ta-182

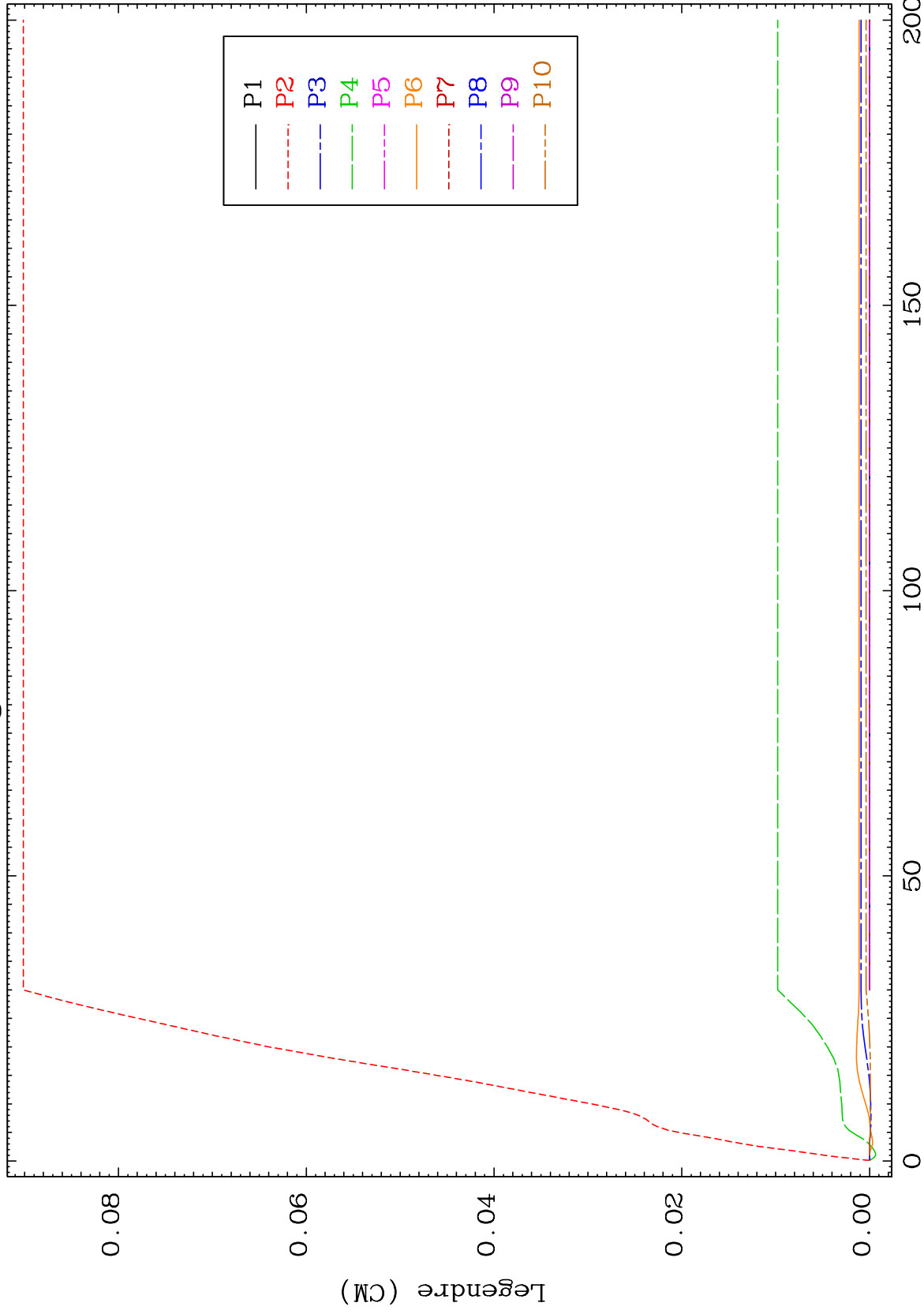


73-Ta-182

MAT 7331

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

73-Ta-182



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Incident Energy (MeV)

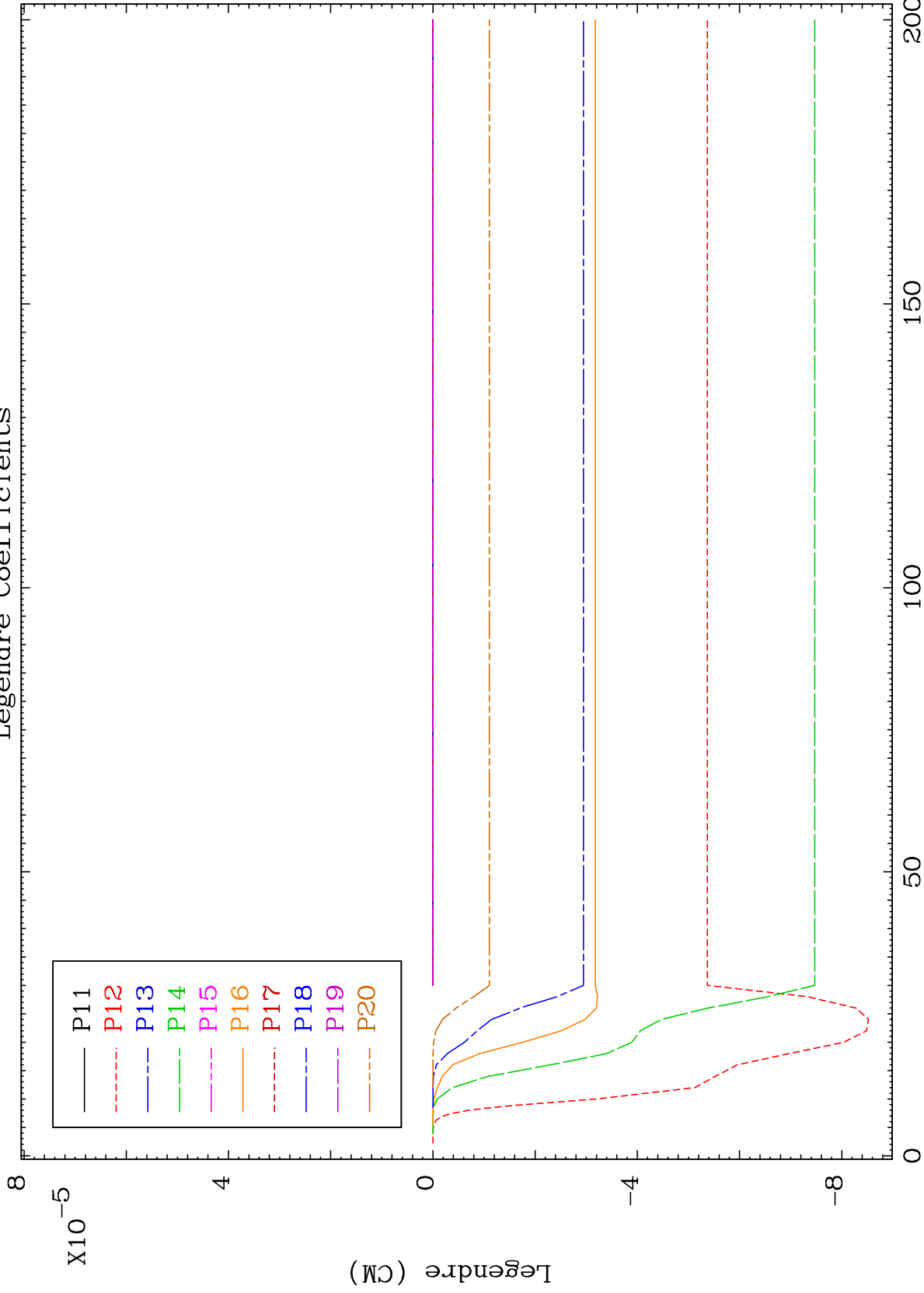
73-Ta-182



MAT 7331

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

73-Ta-182



24

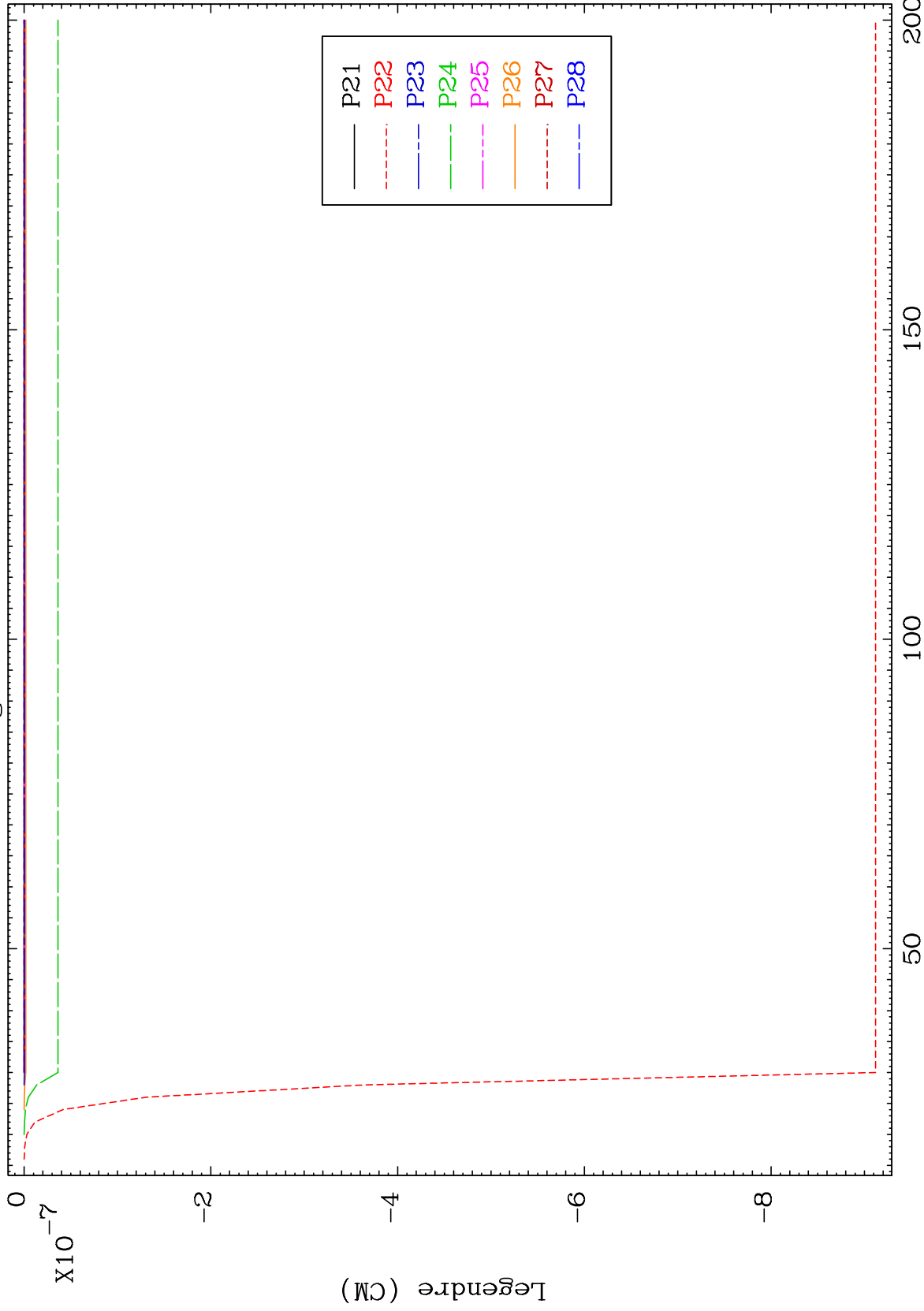
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



25

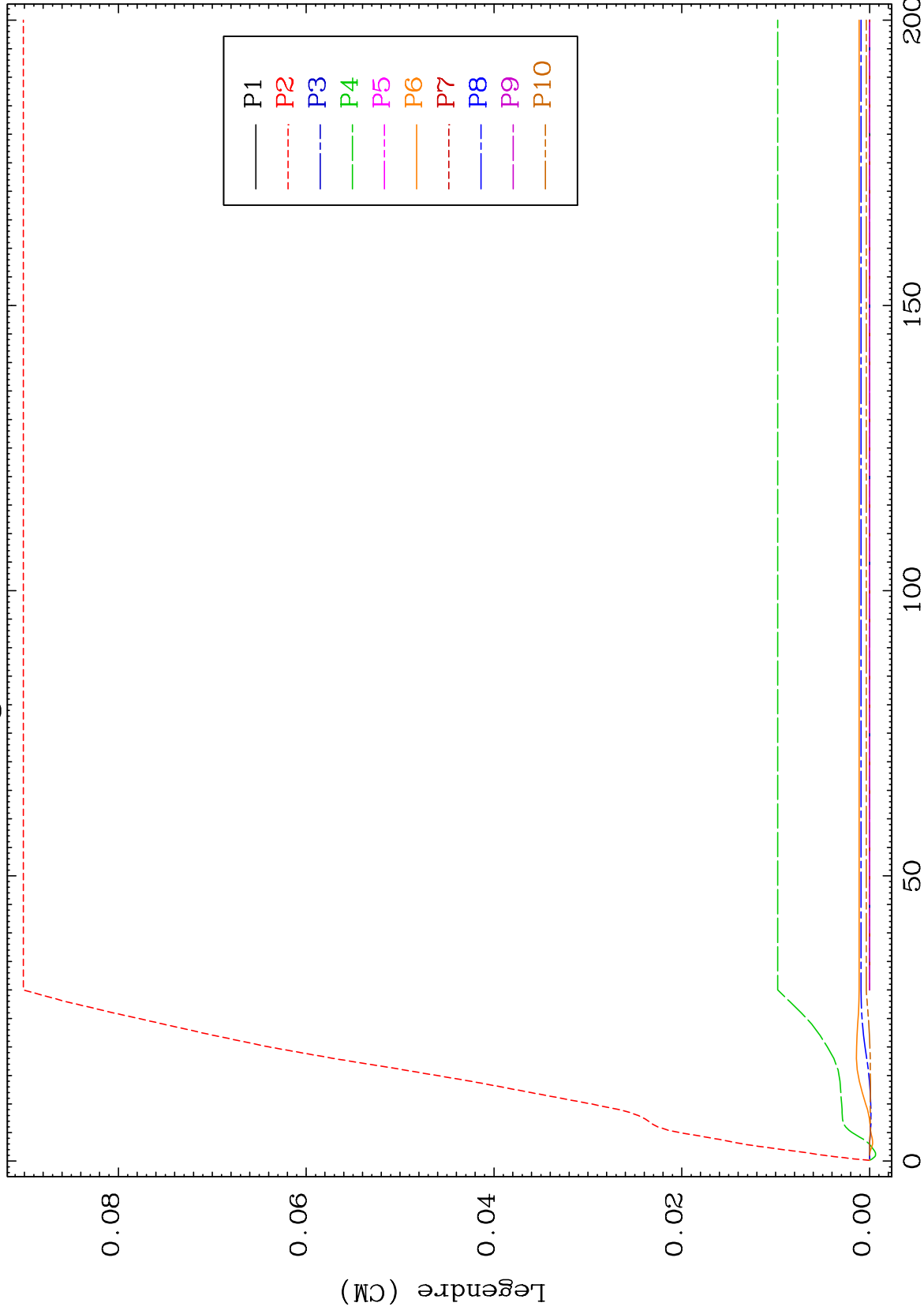
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



26

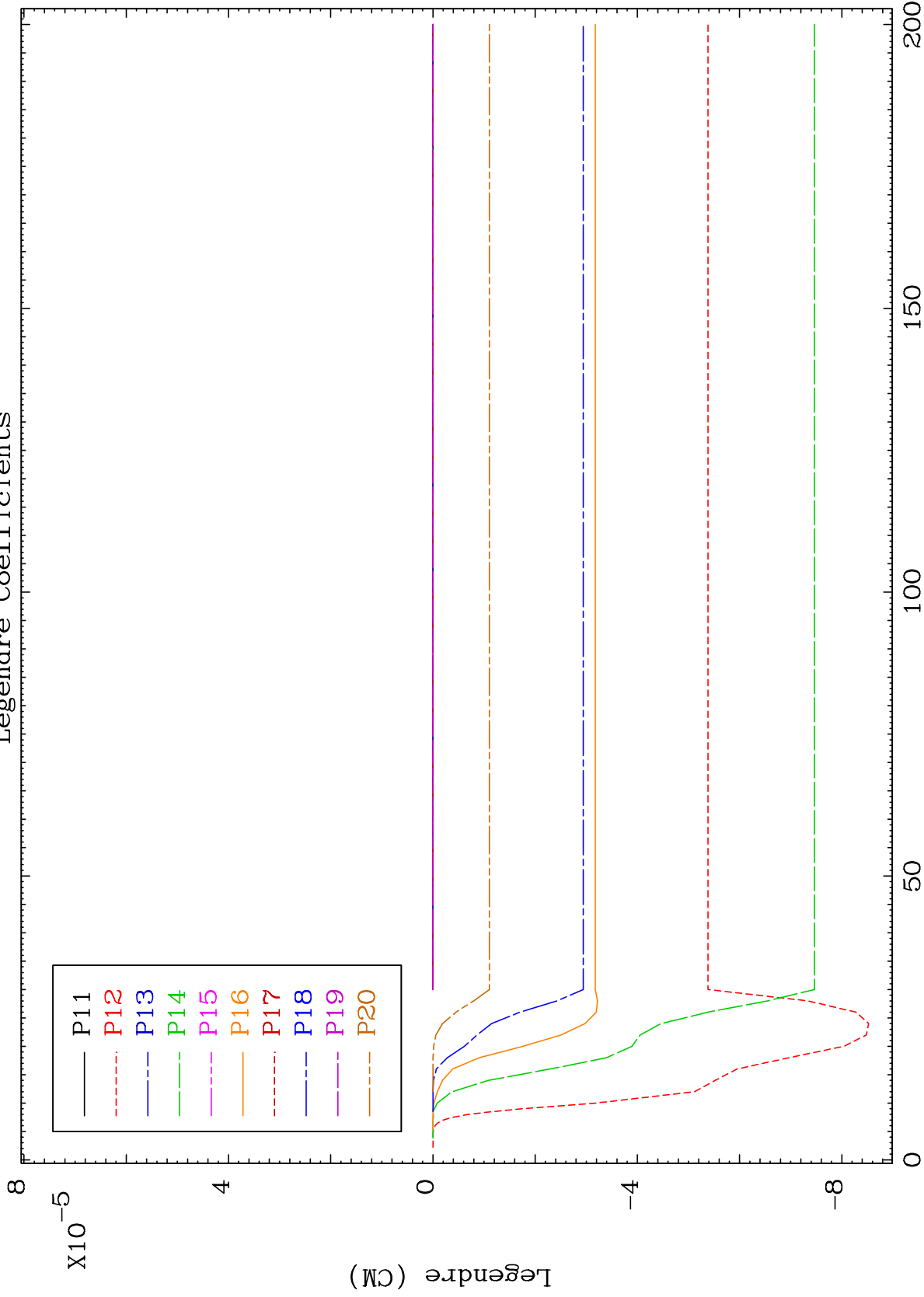
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



27

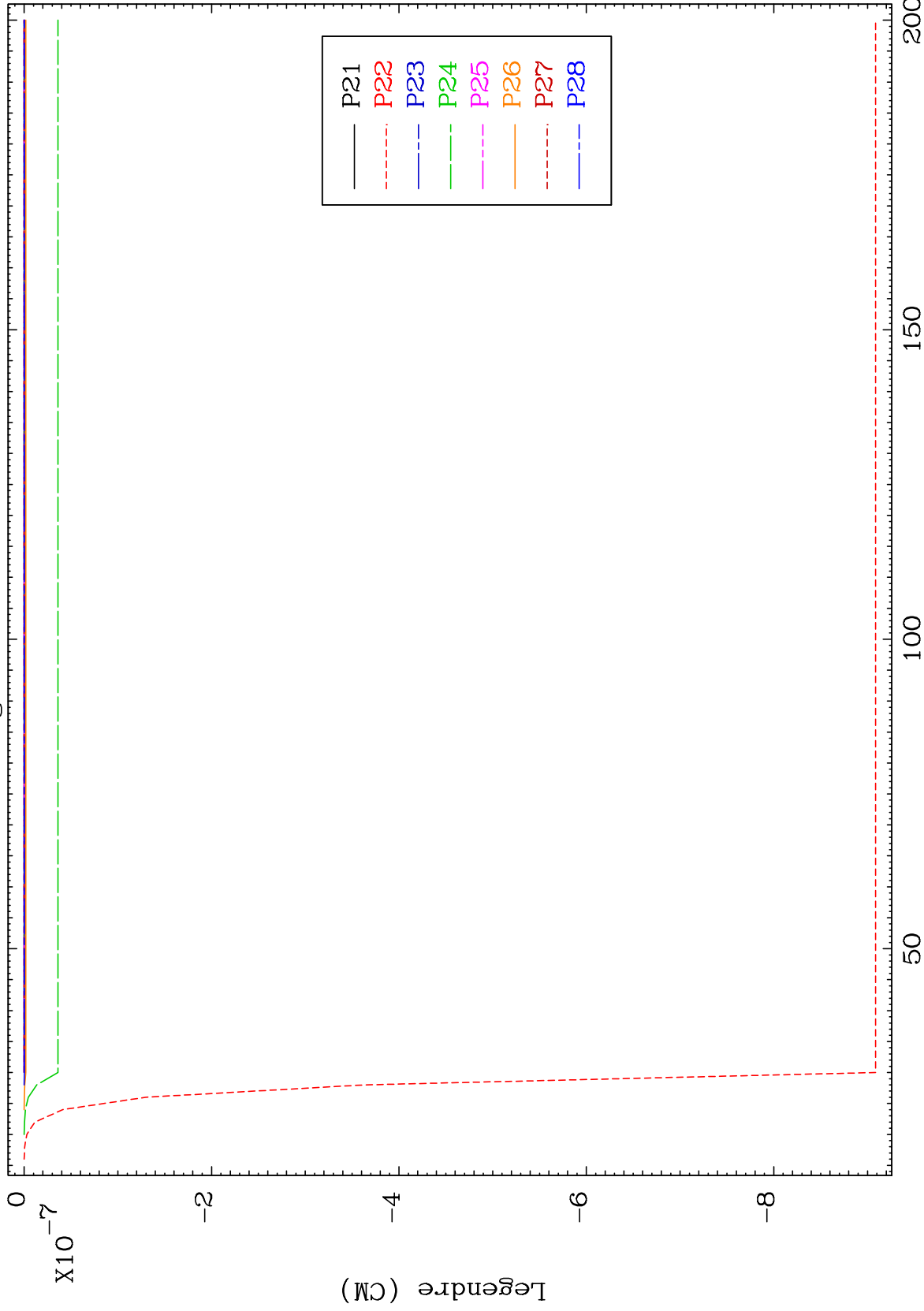
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



28

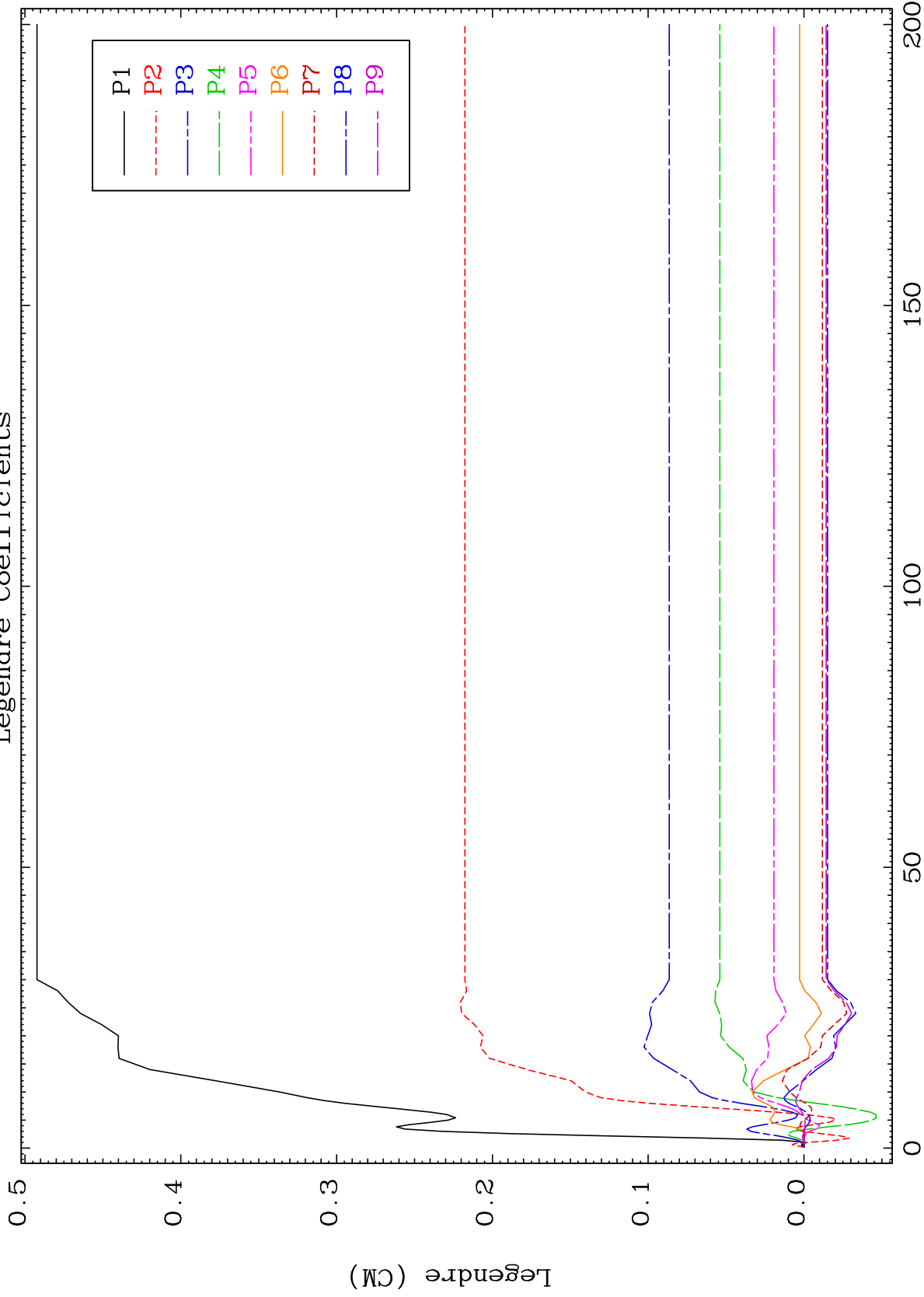
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



29

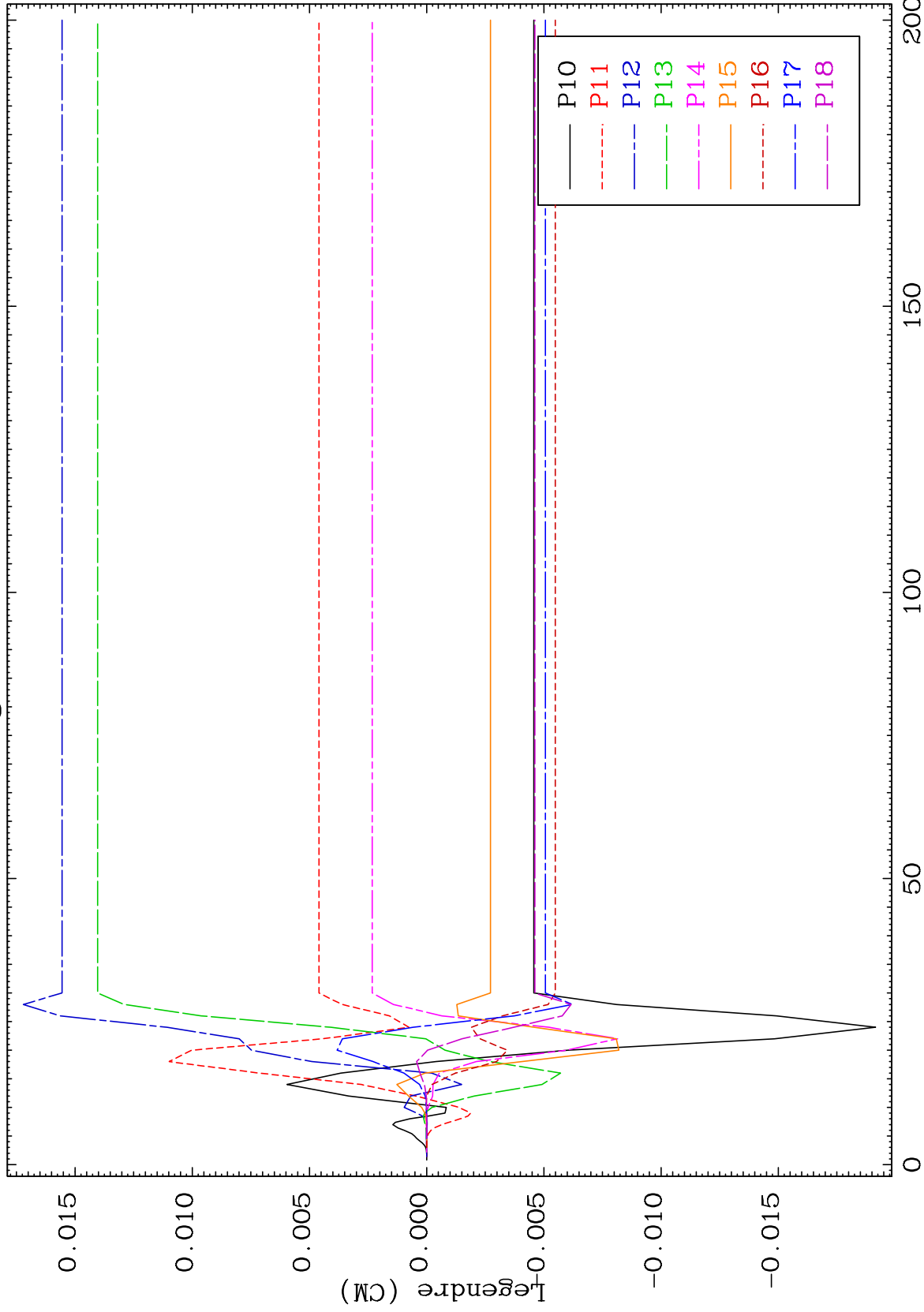
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



30

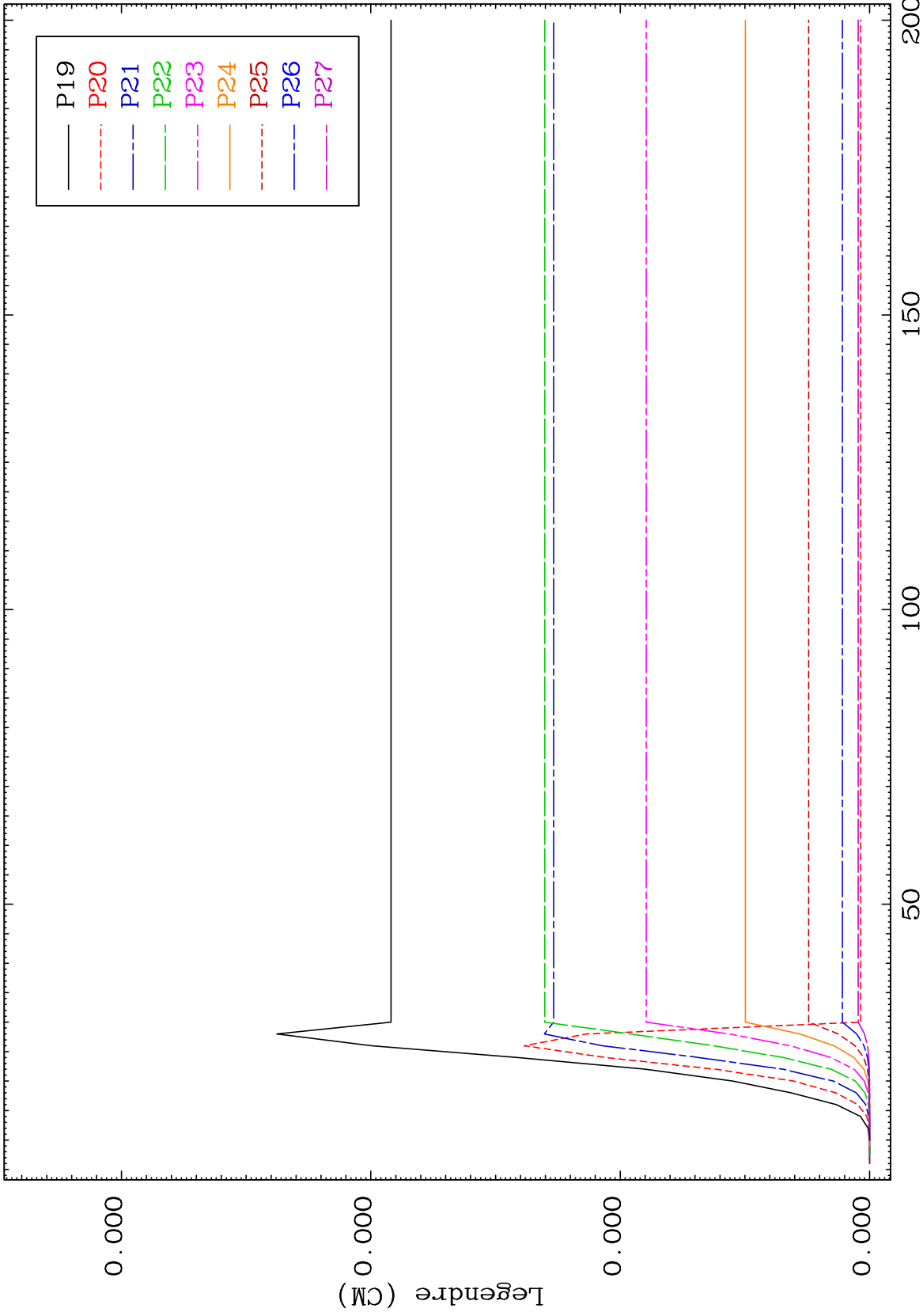
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



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Incident Energy (MeV)

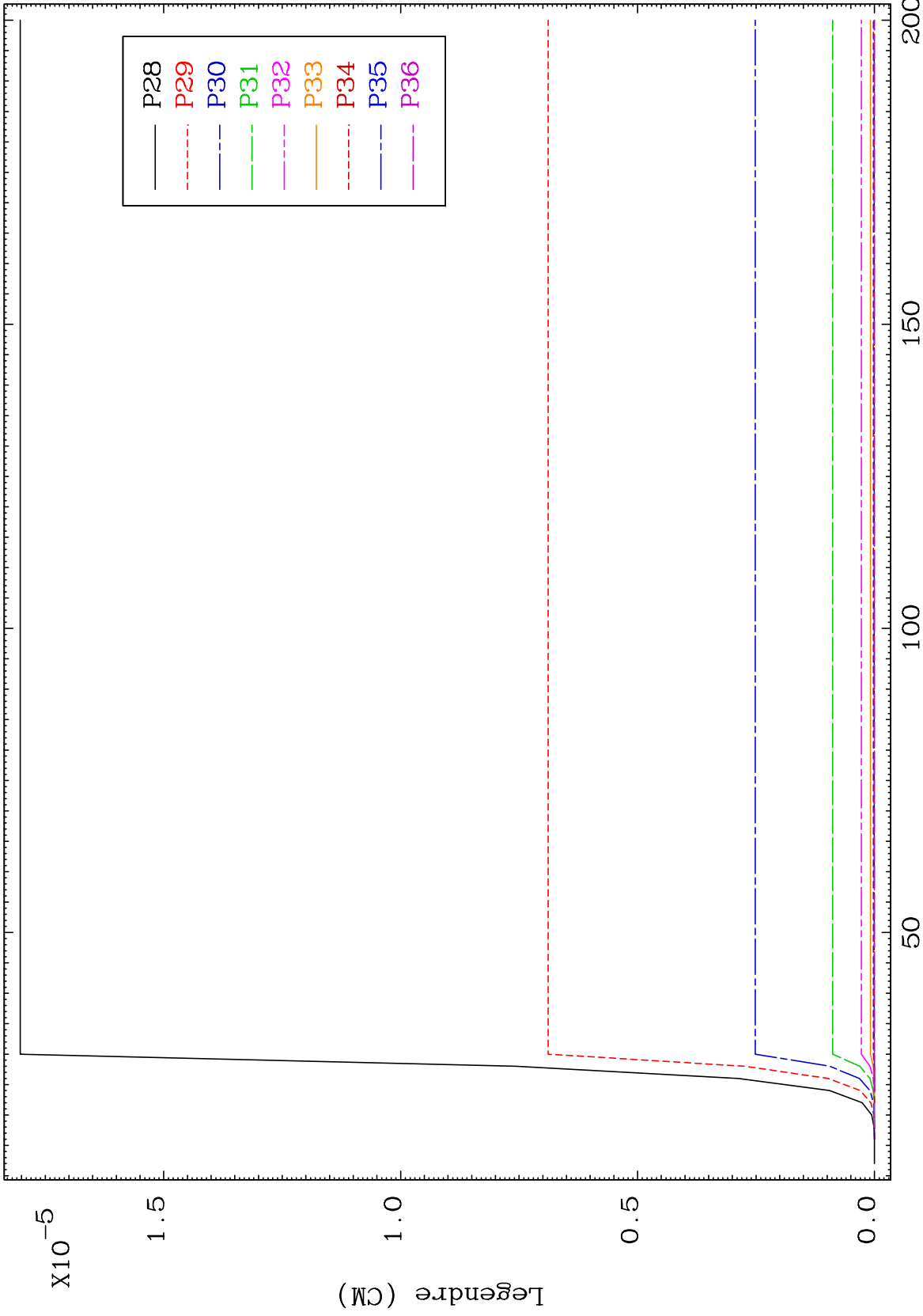
73-Ta-182



MAT 7331

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

73-Ta-182



32

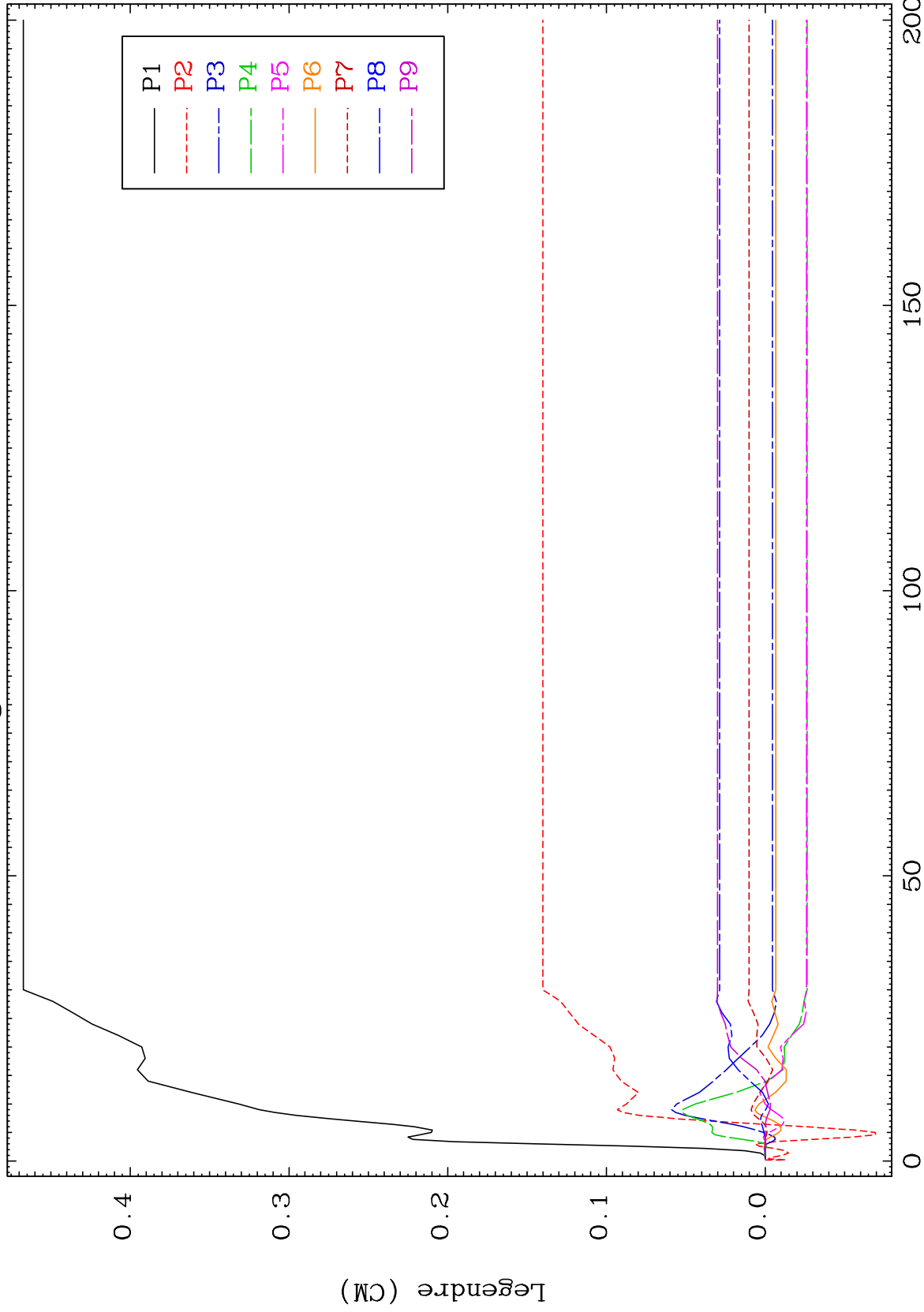
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



33

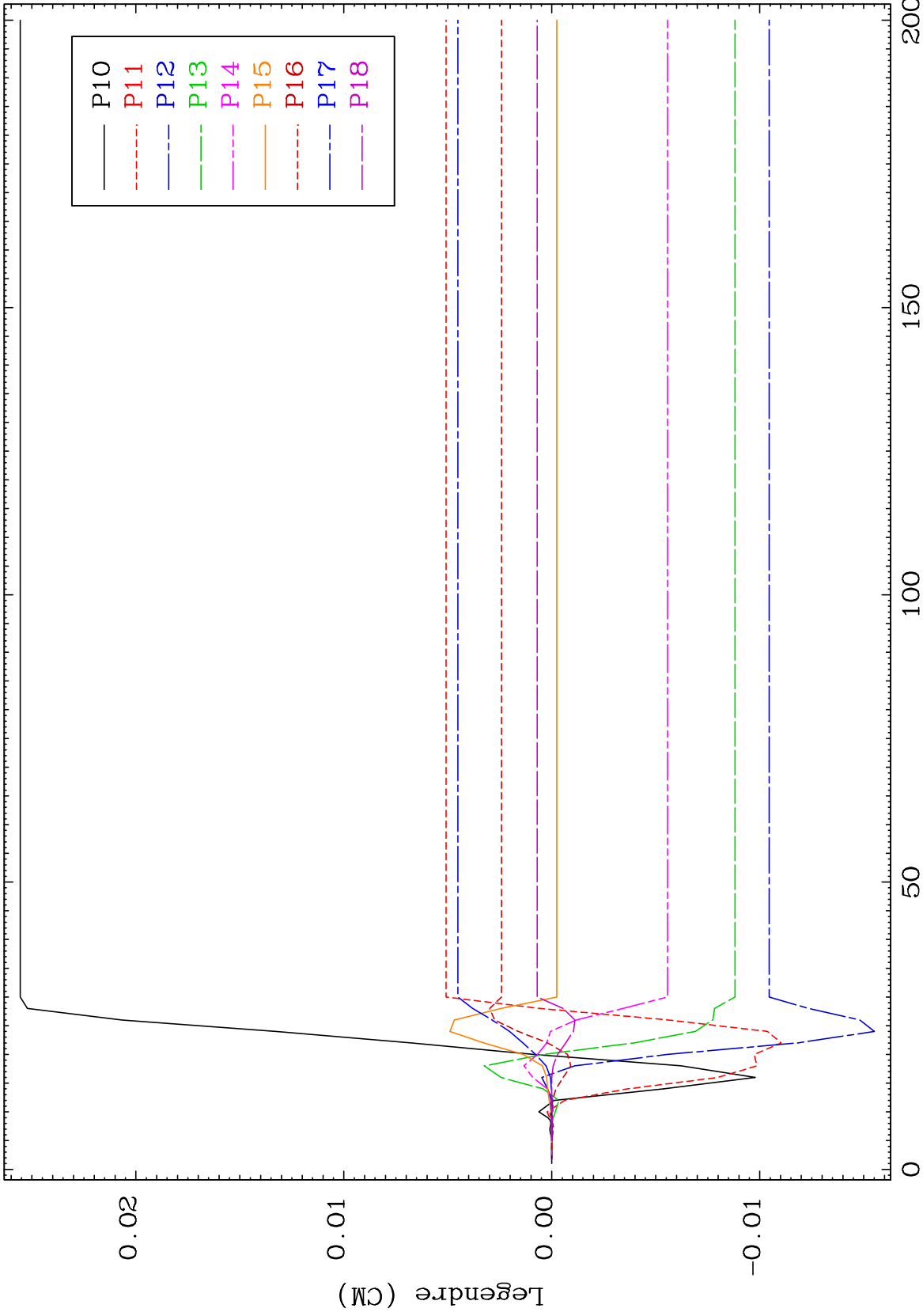
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



34

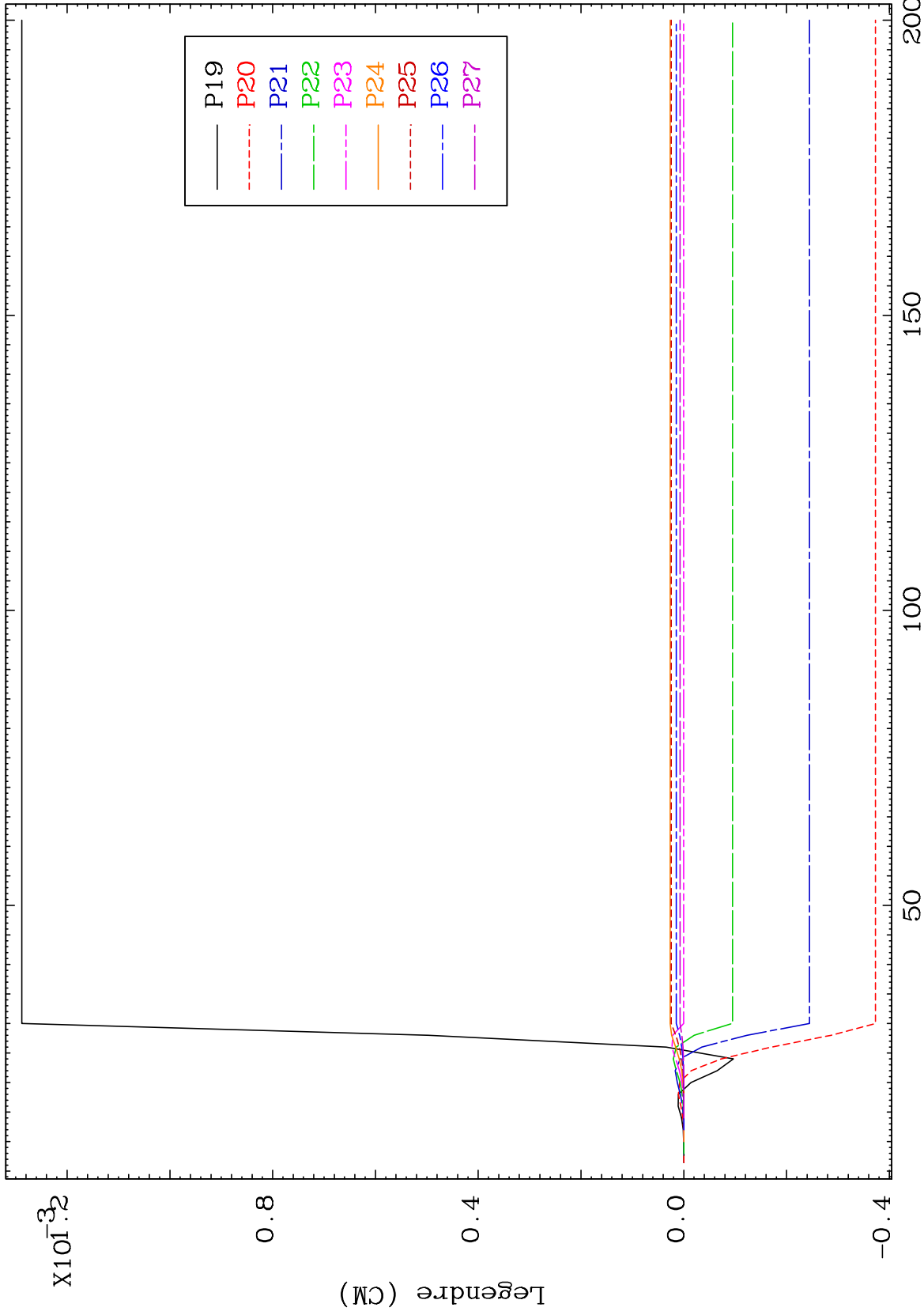
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



35

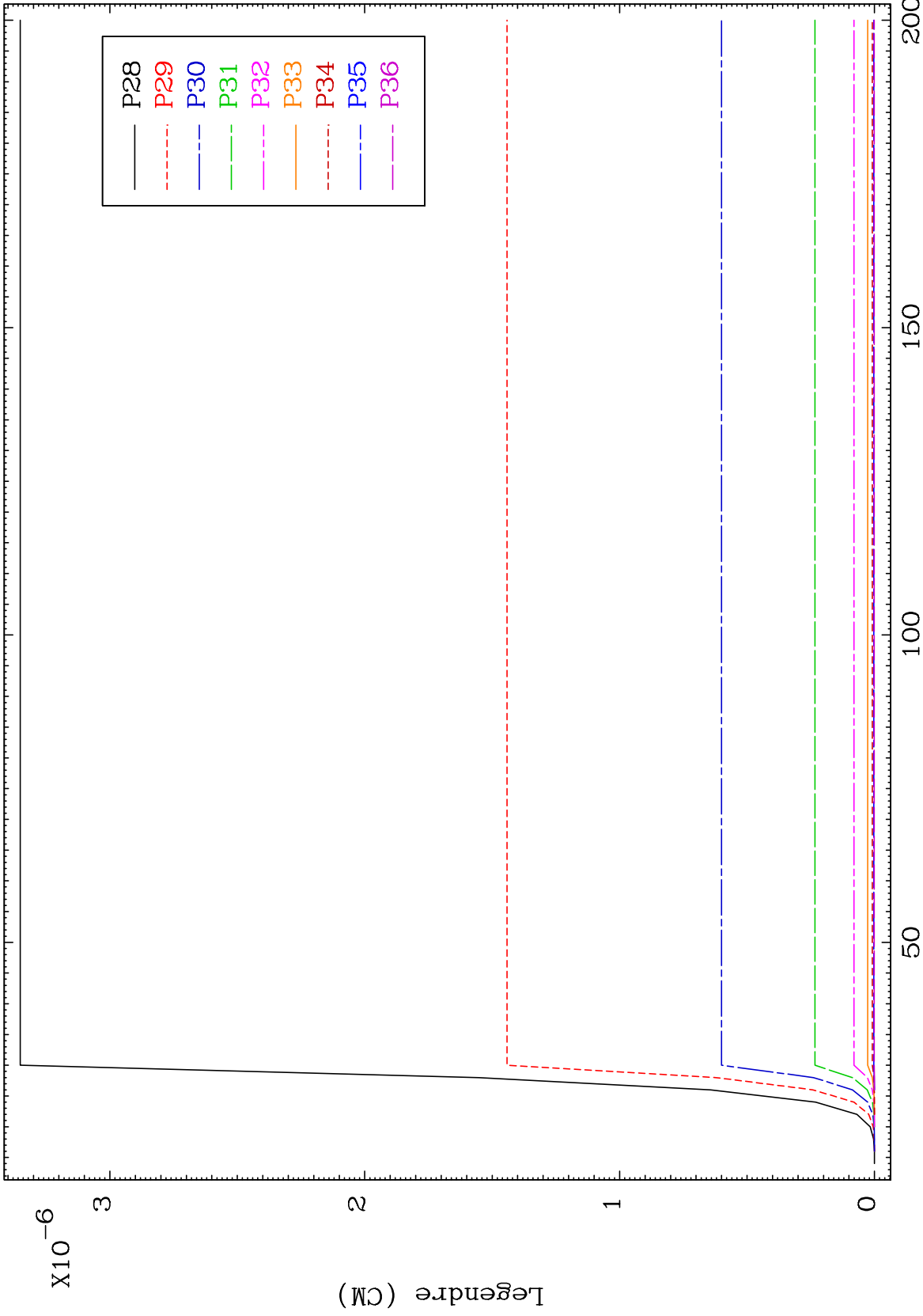
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



36

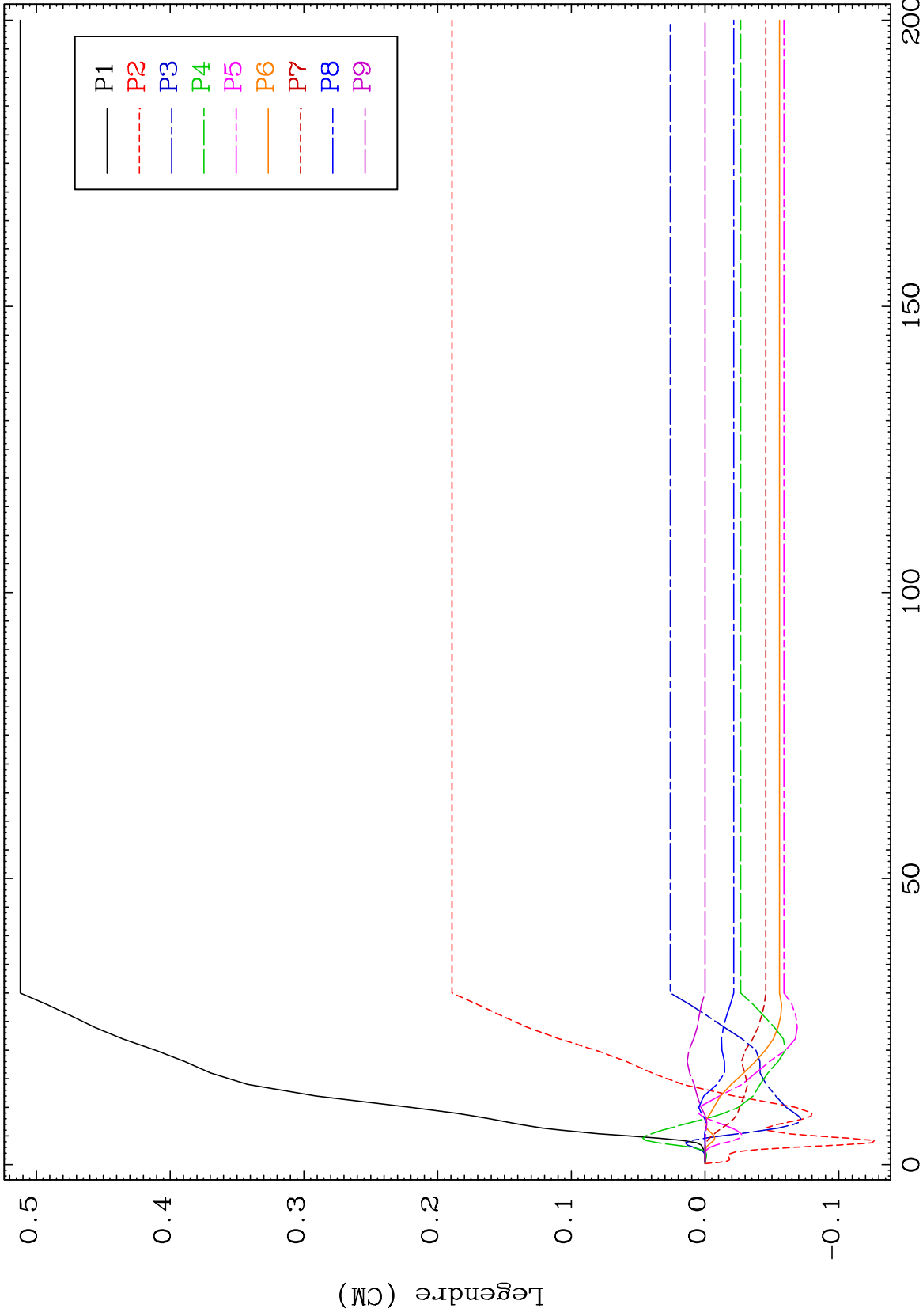
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



37

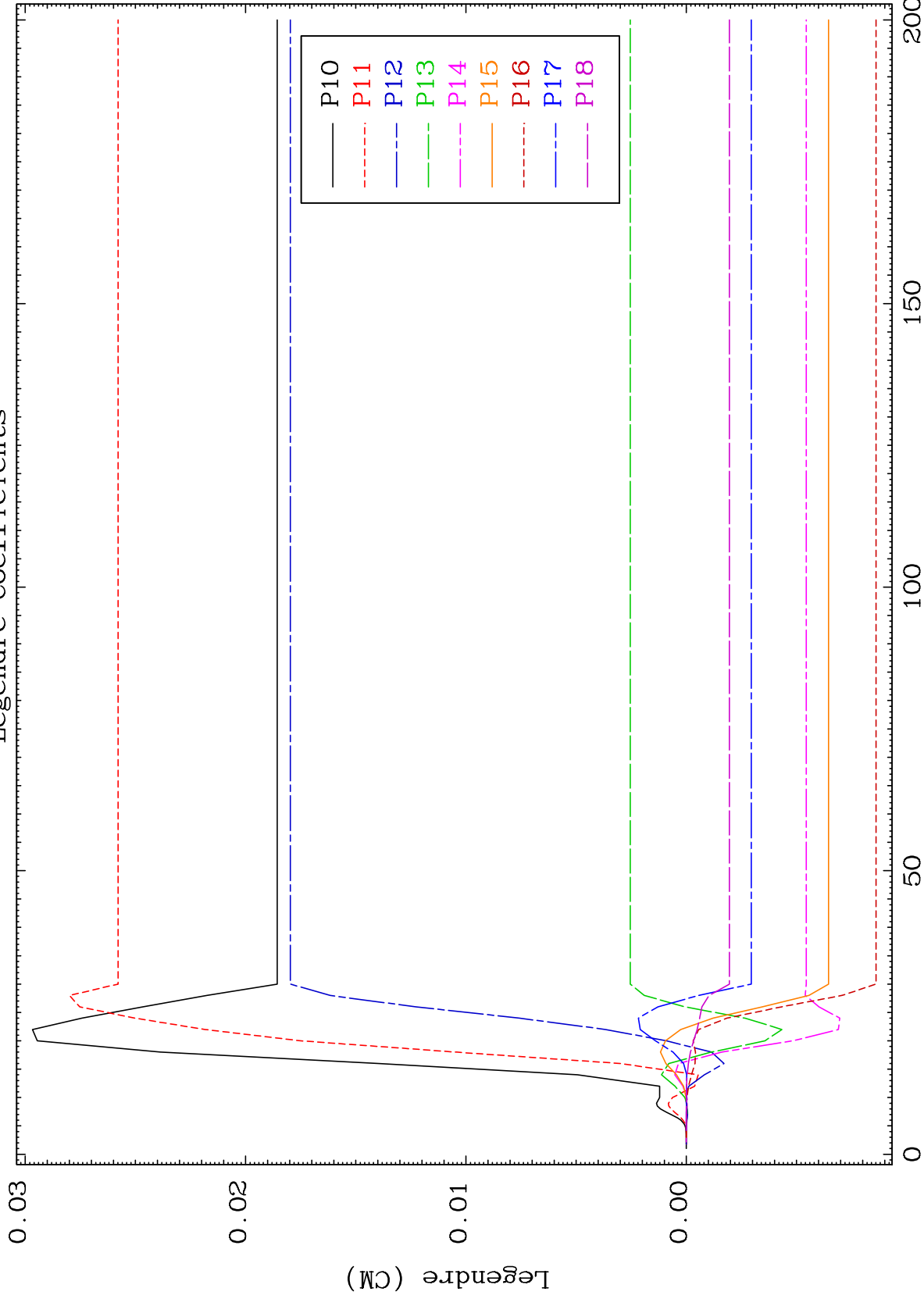
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



38

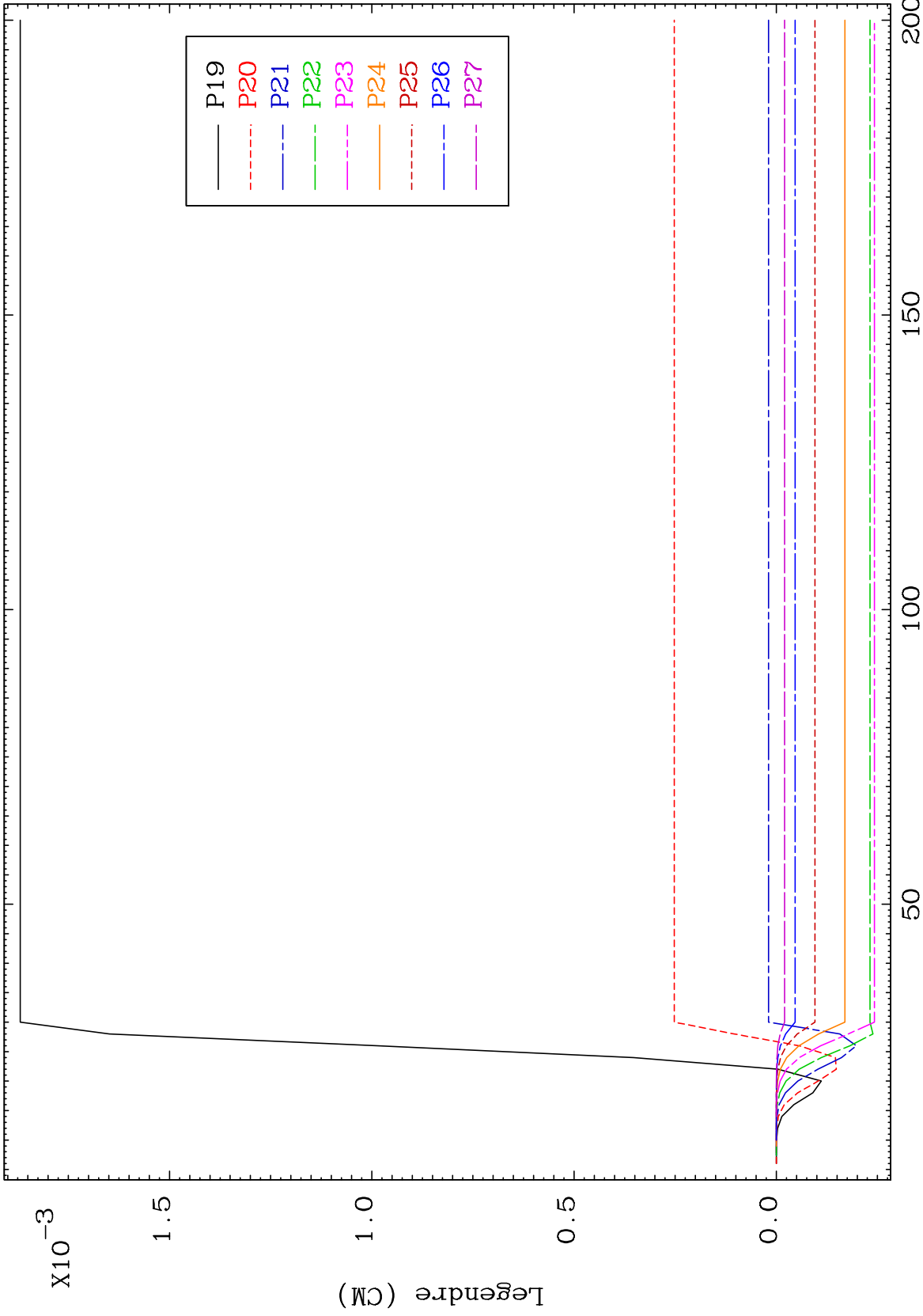
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



39

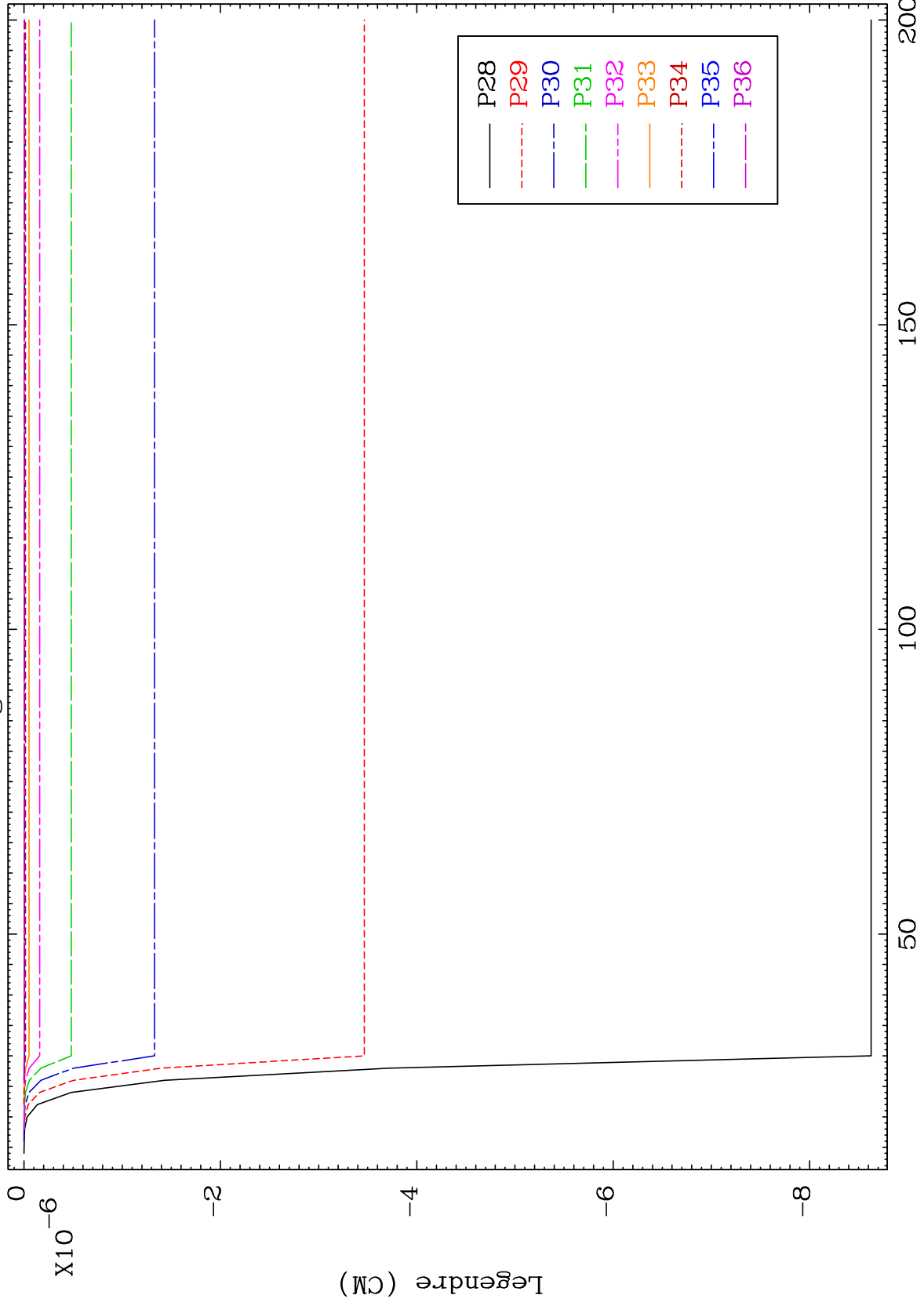
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MAT 7331

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

73-Ta-182



73-Ta-182

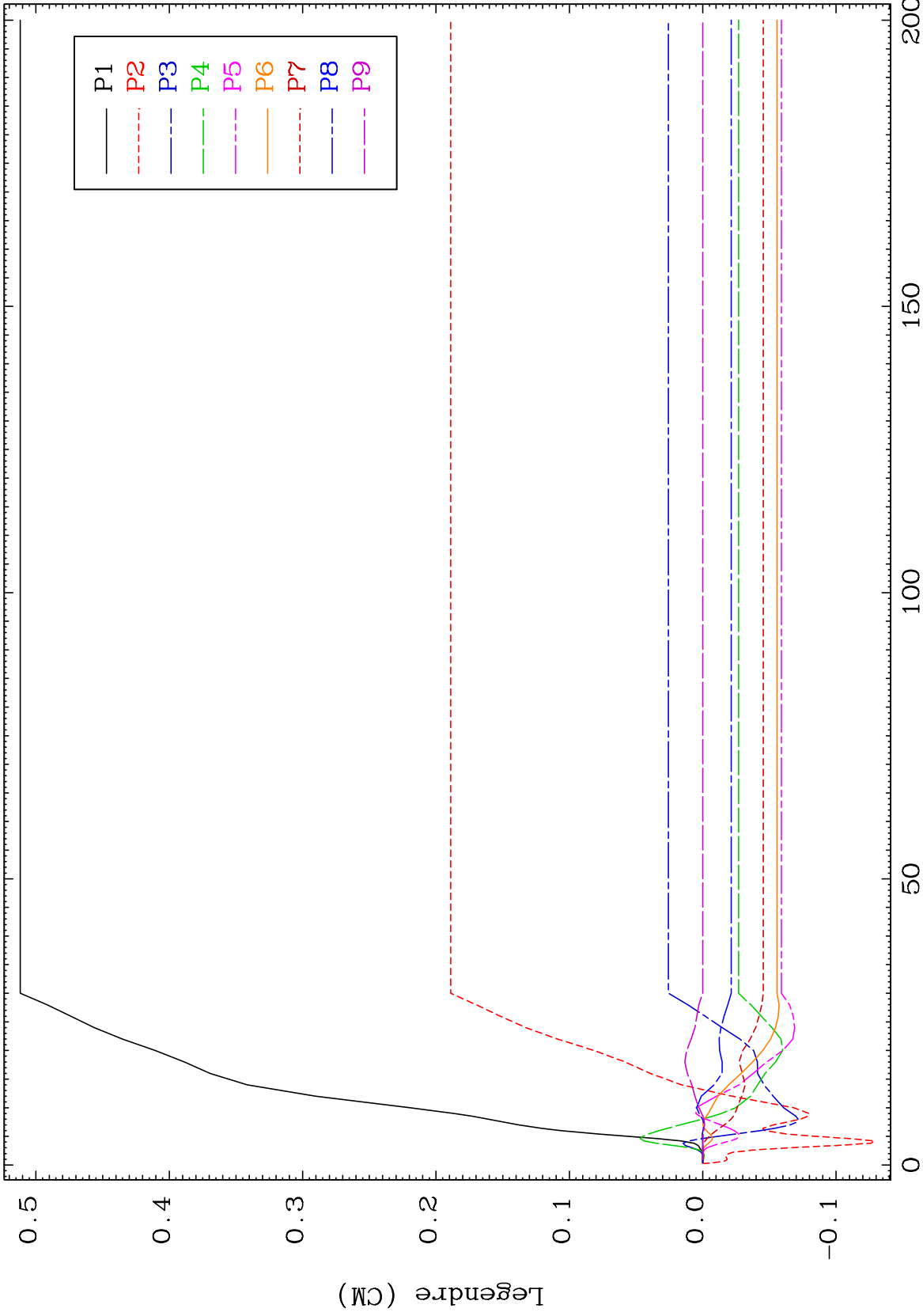
Incident Energy (MeV)

40

MAT 7331

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

73-Ta-182



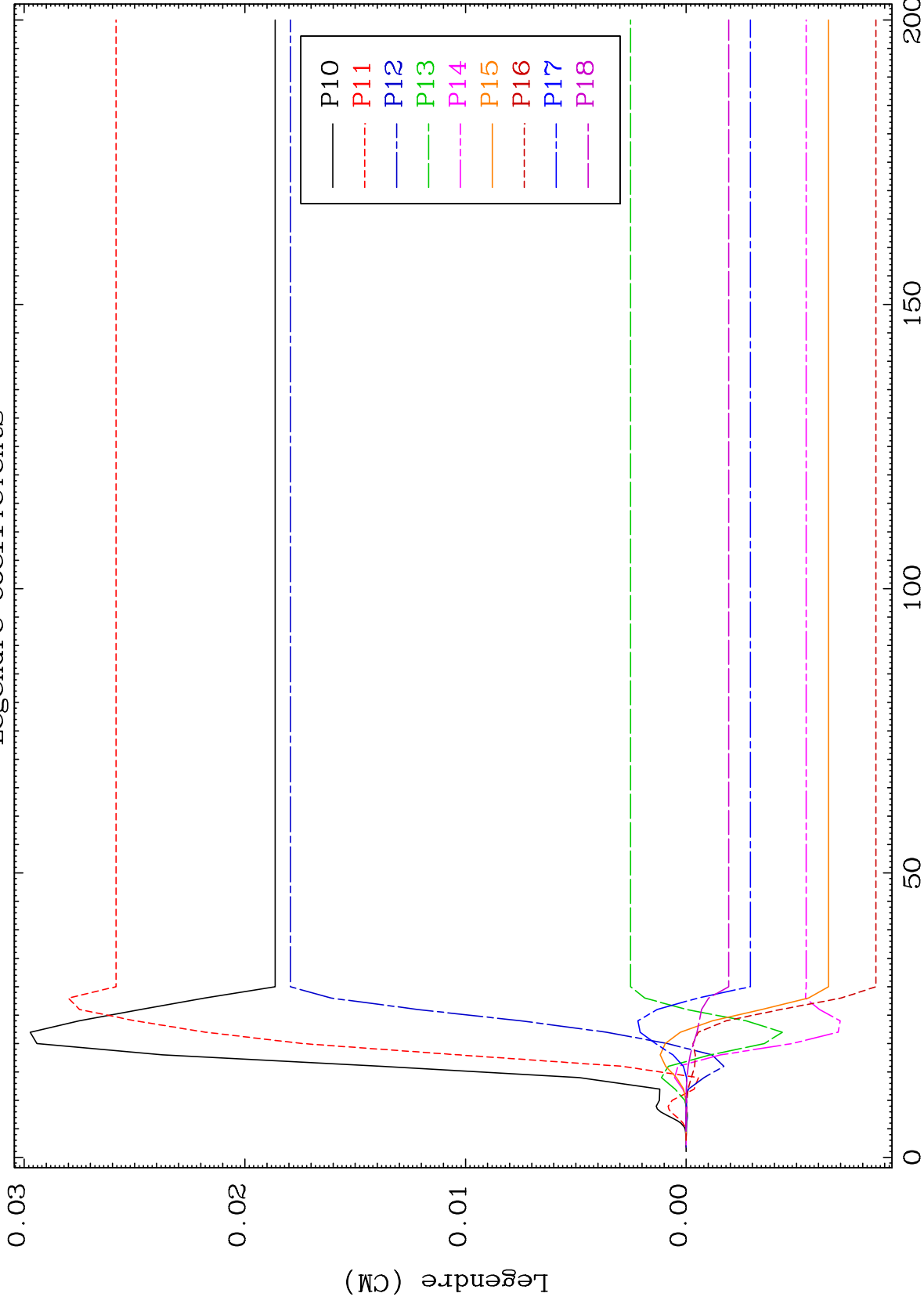
41

73-Ta-182

MAT 7331

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

73-Ta-182



42

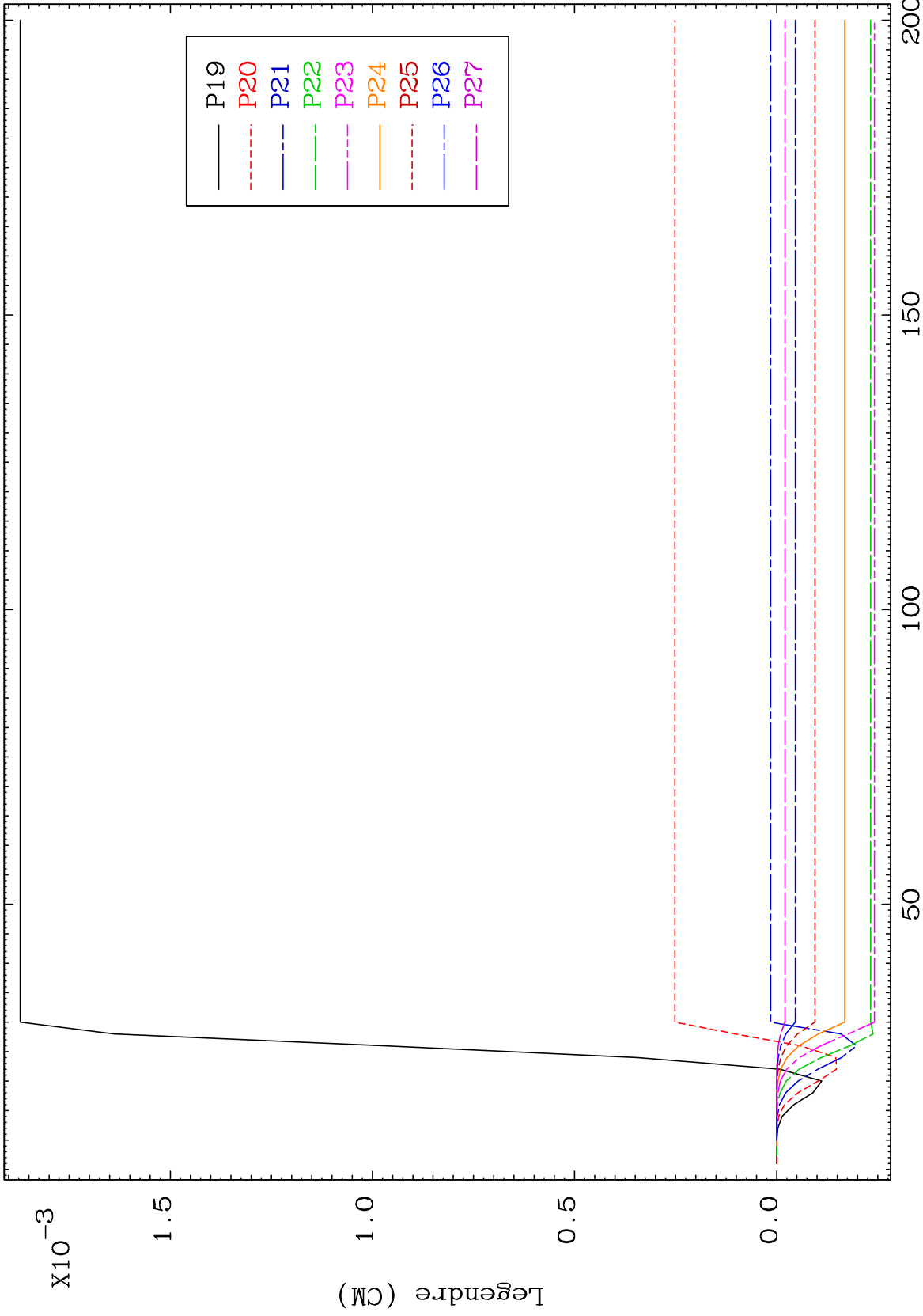
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



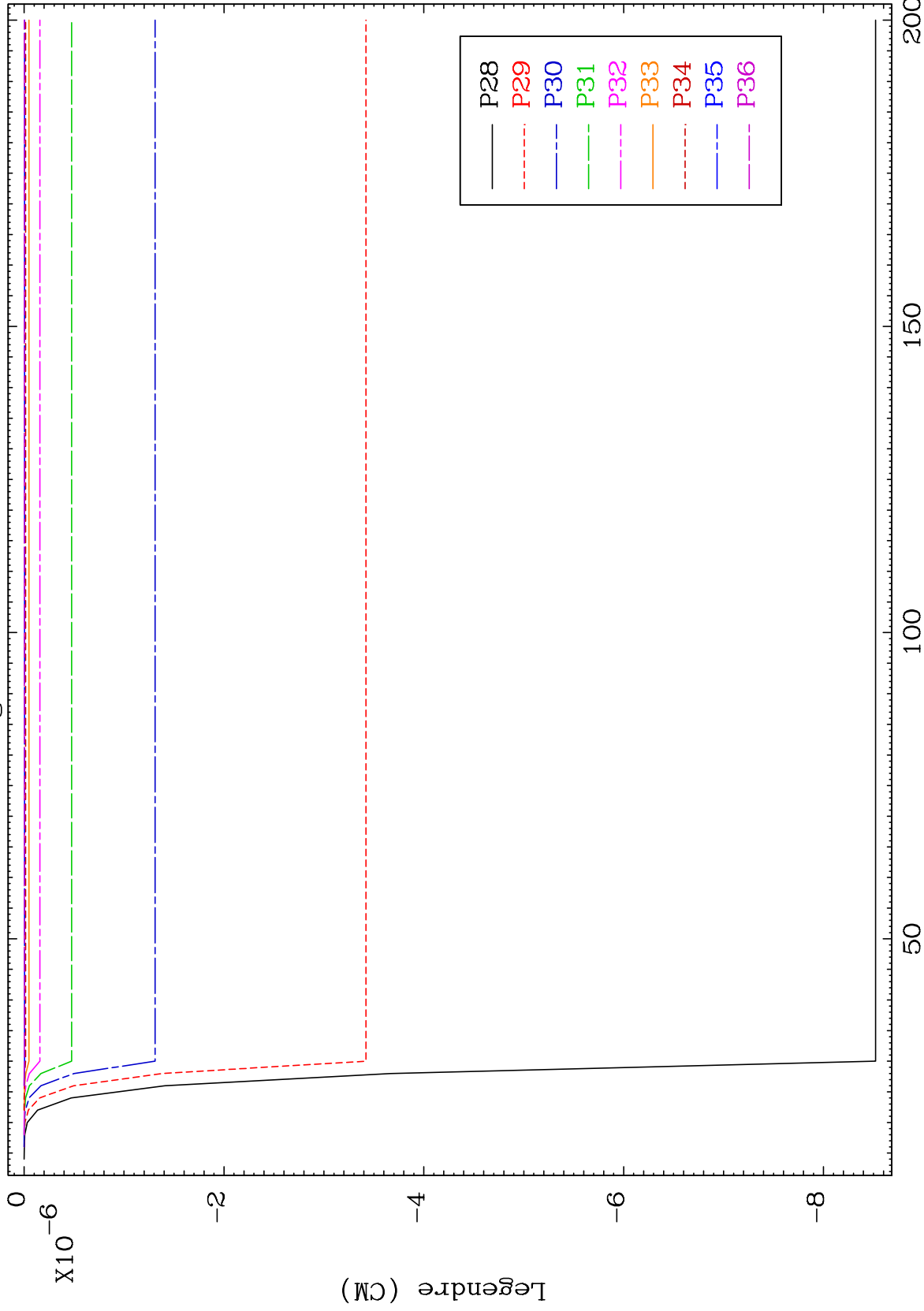
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73-Ta-182

MAT 7331

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

73-Ta-182



44

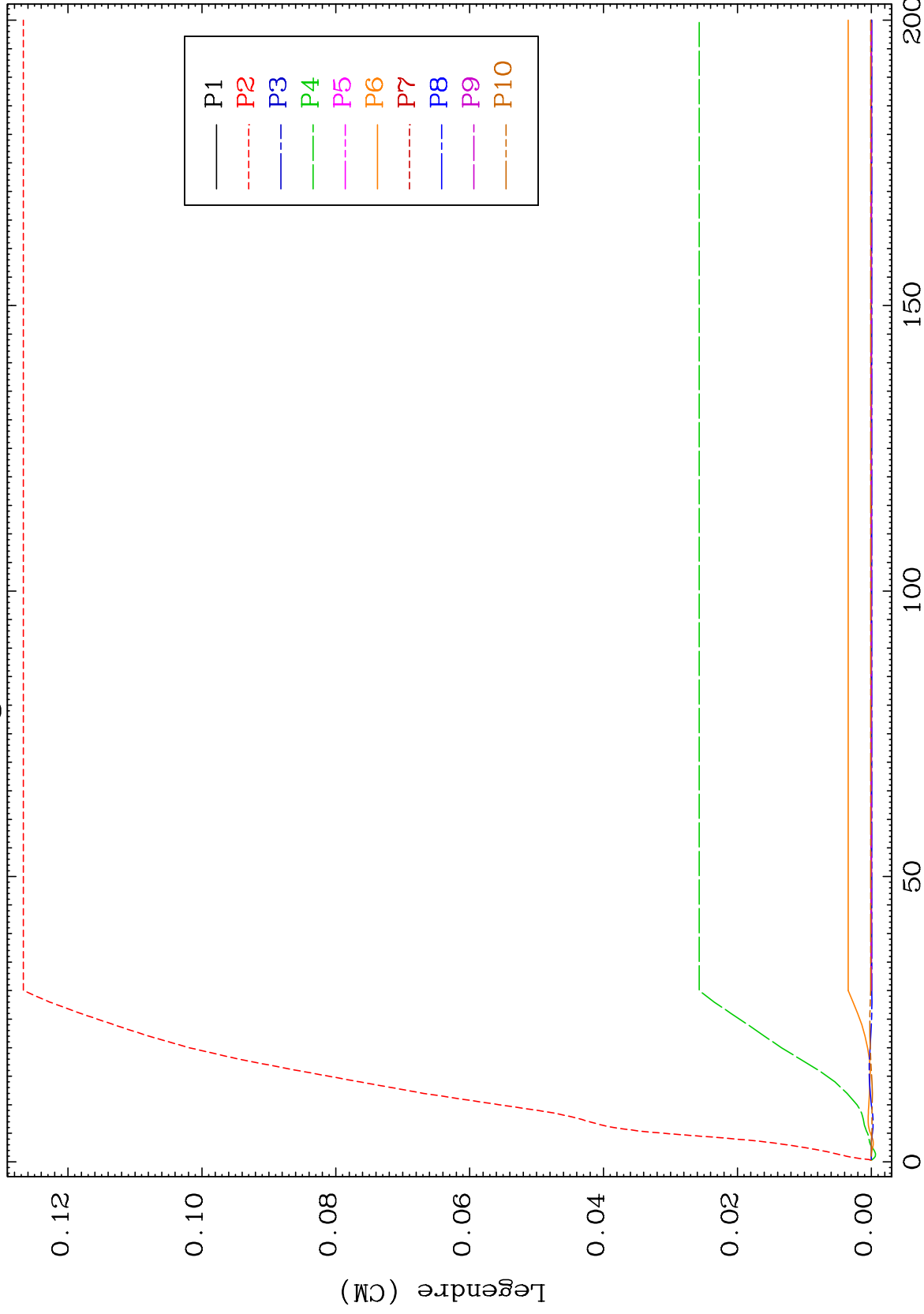
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



45

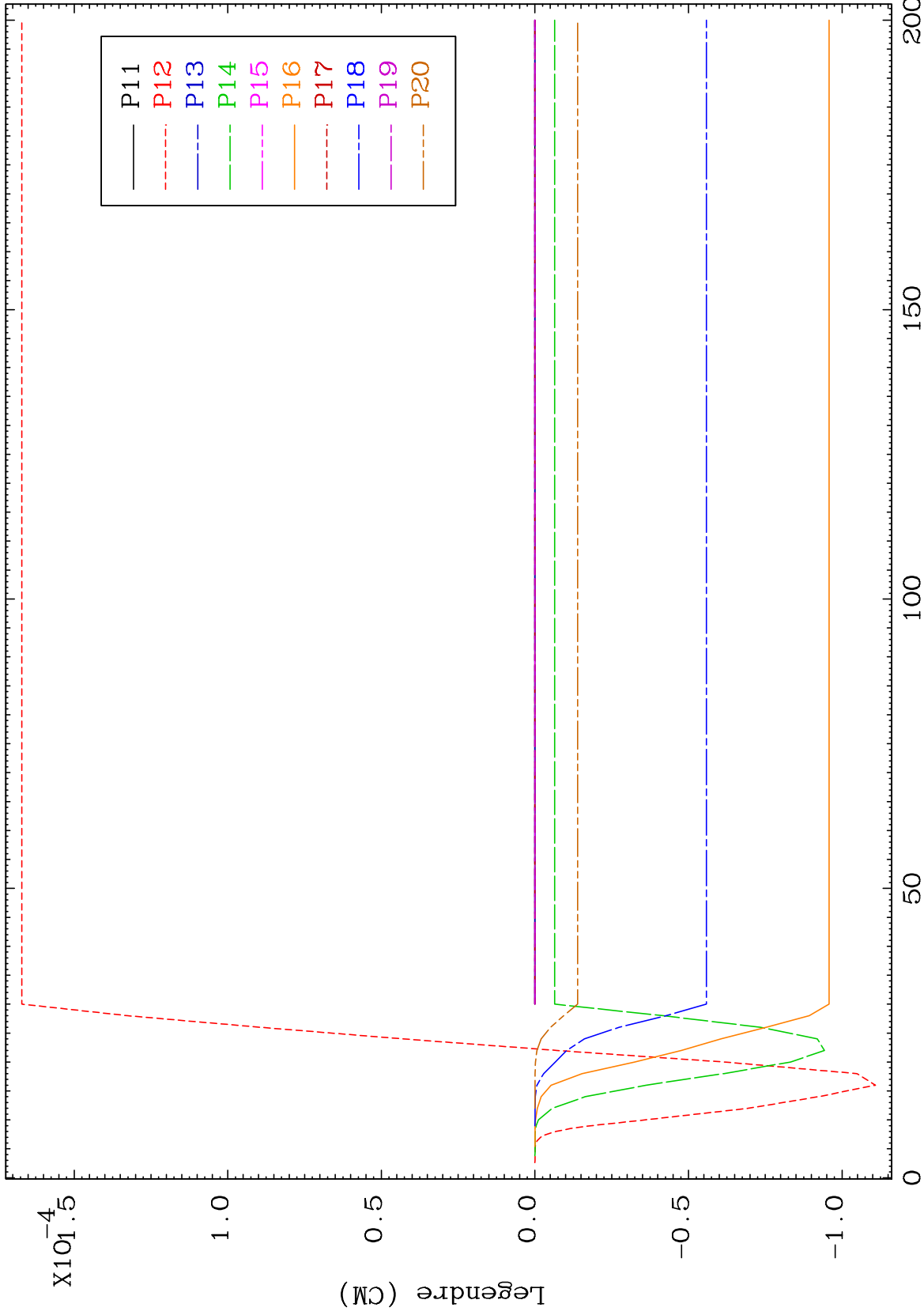
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



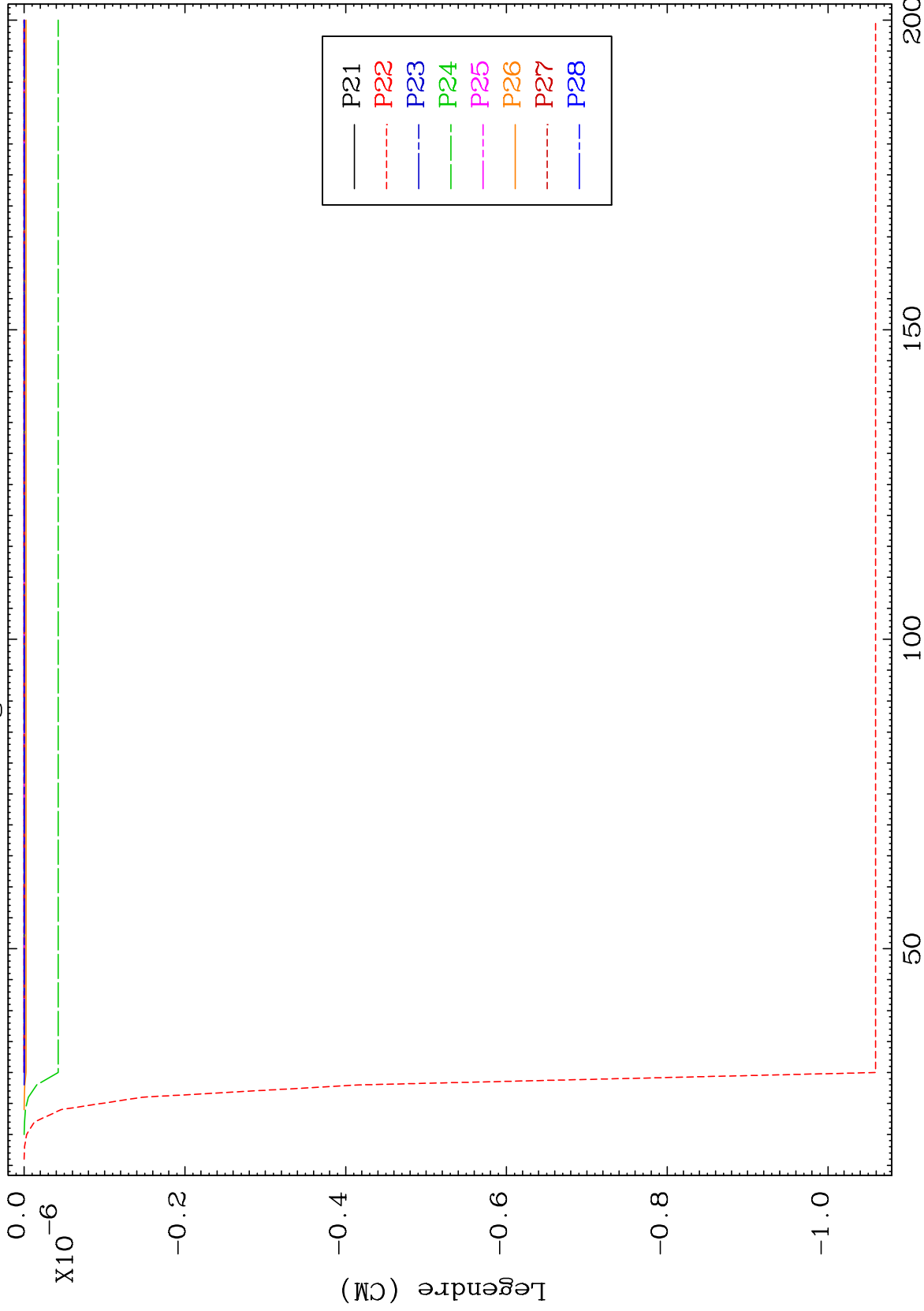
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73-Ta-182

MAT 7331

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

73-Ta-182



47

Incident Energy (MeV)

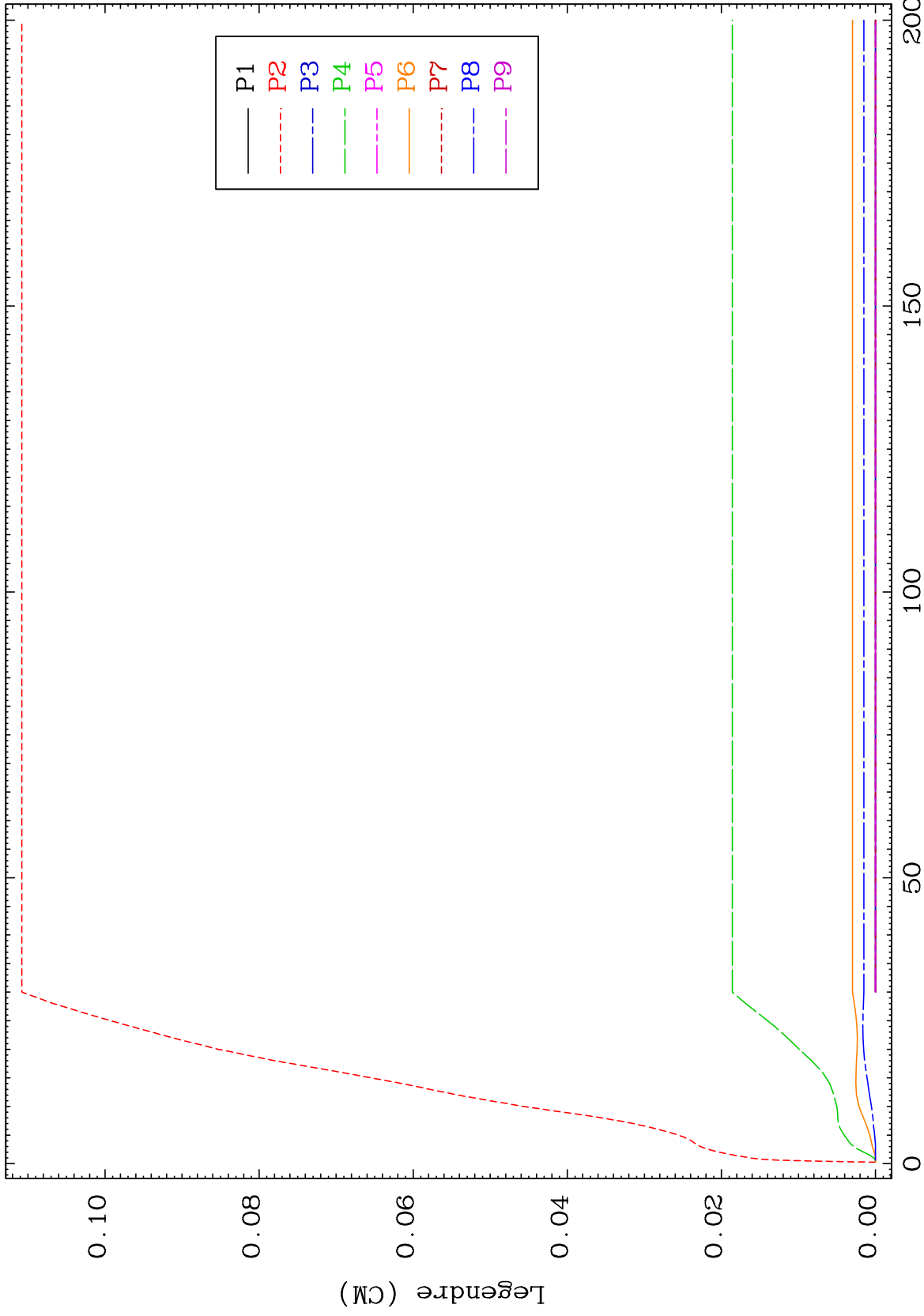
73-Ta-182



MAT 7331

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

73-Ta-182



48

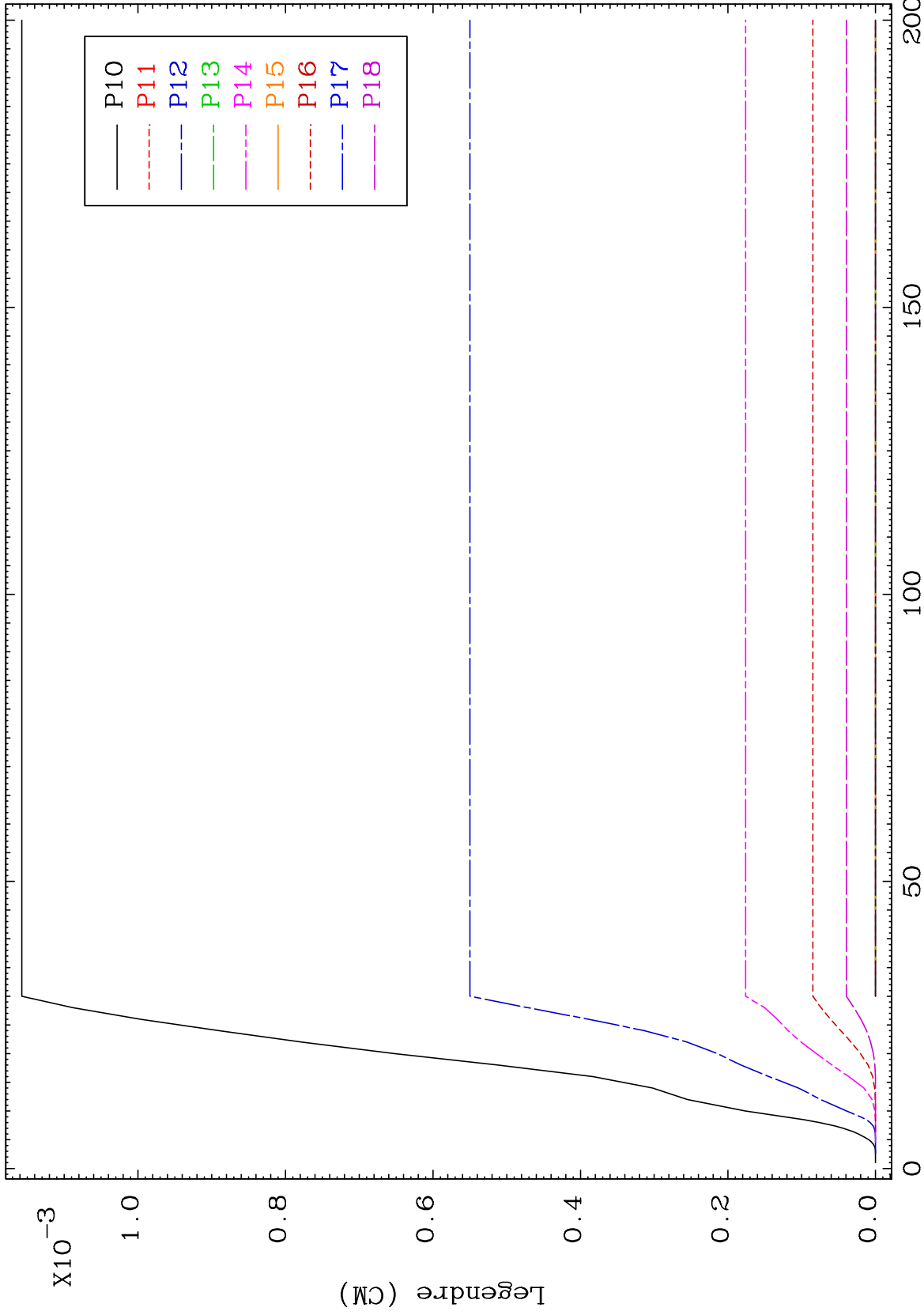
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



49

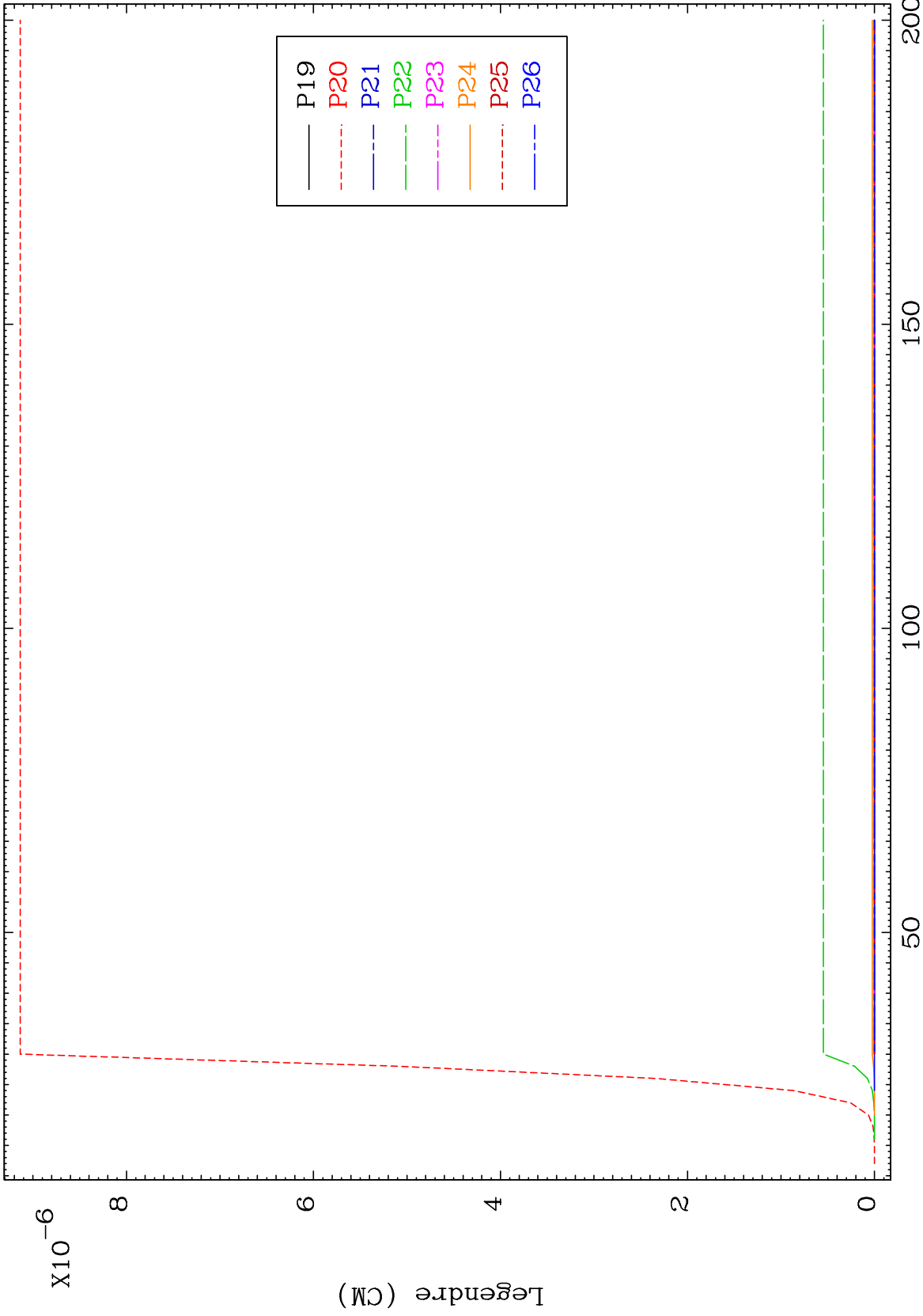
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



73-Ta-182

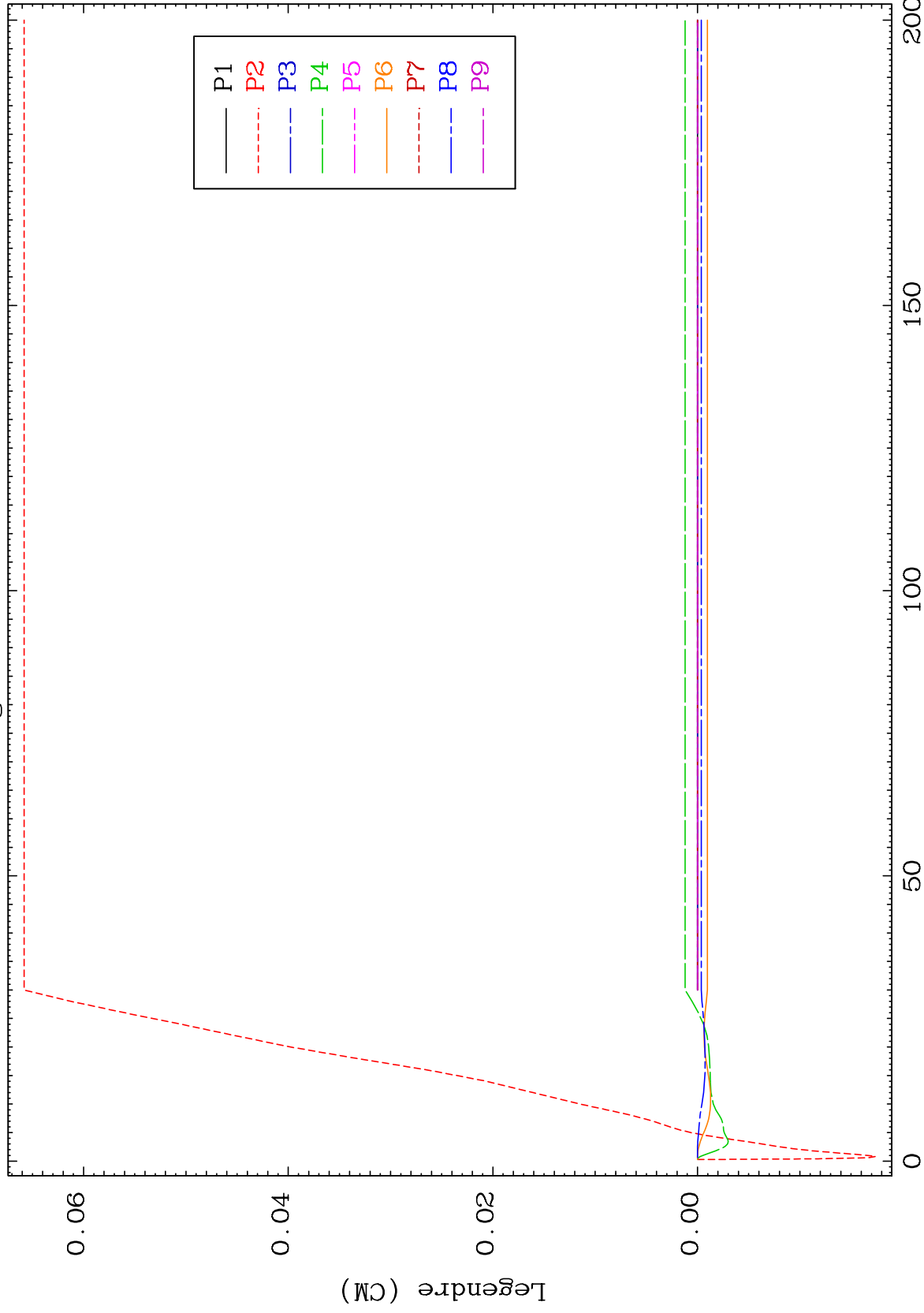
Incident Energy (MeV)

50

MAT 7331

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

73-Ta-182



51

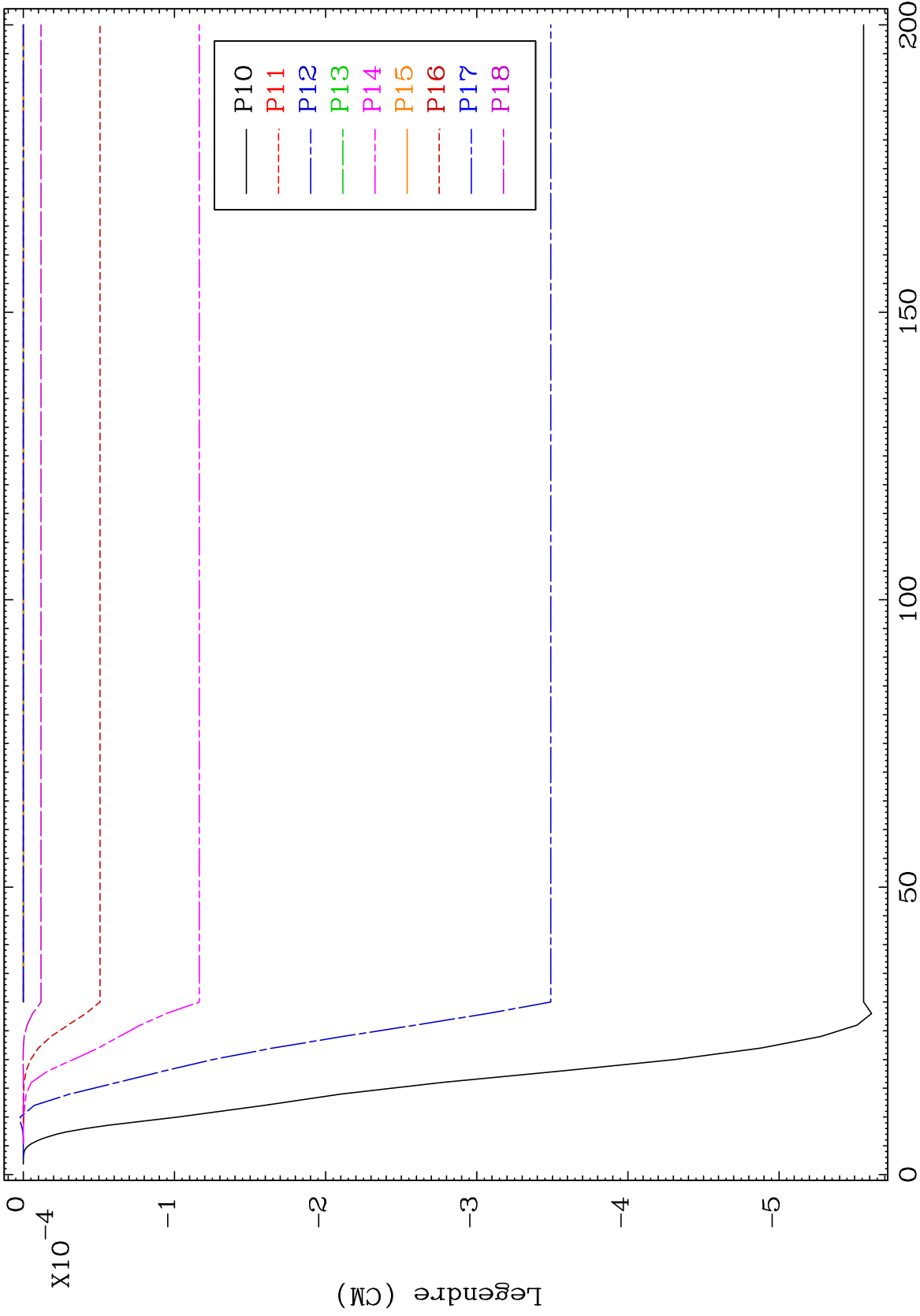
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



52

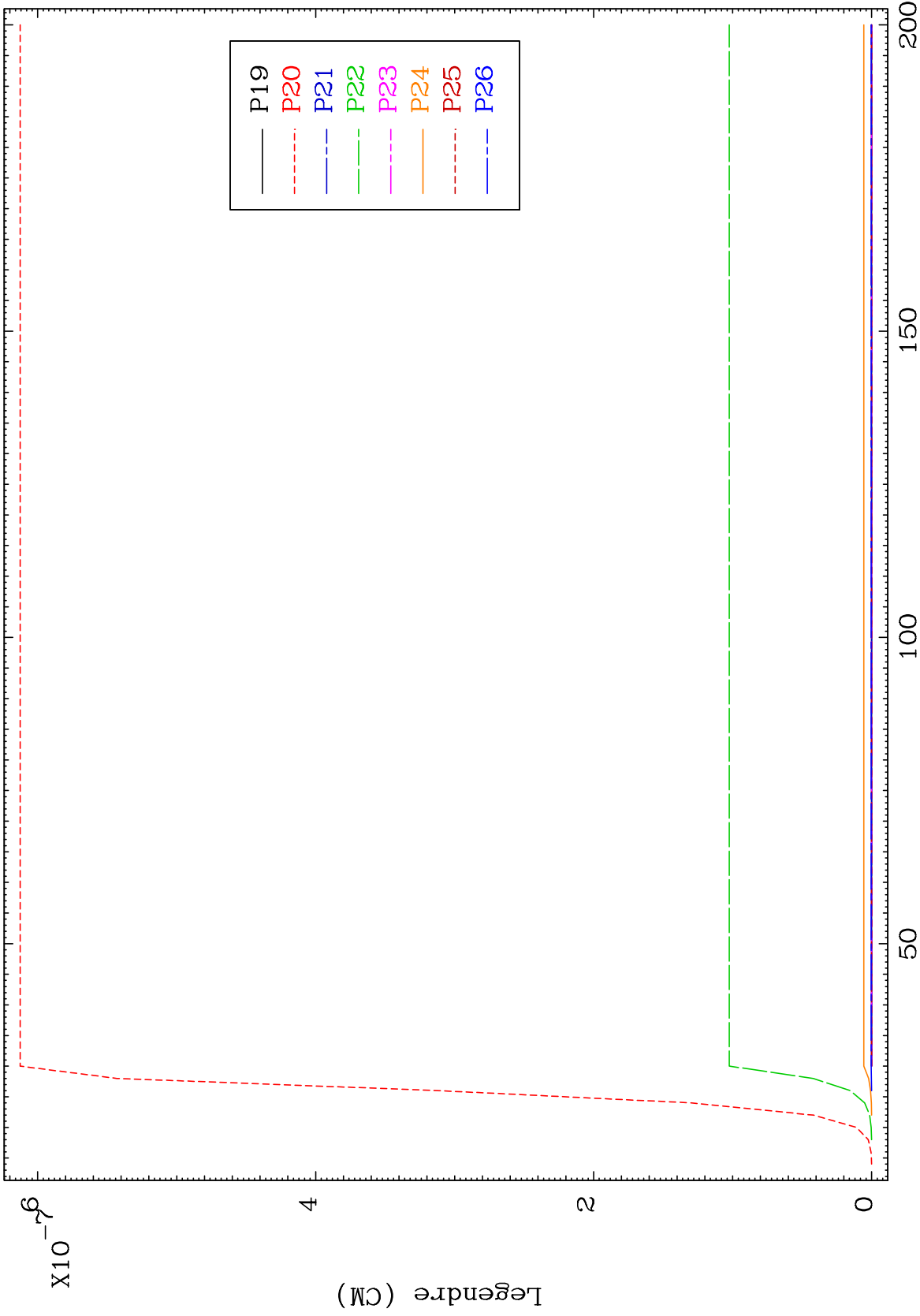
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



53

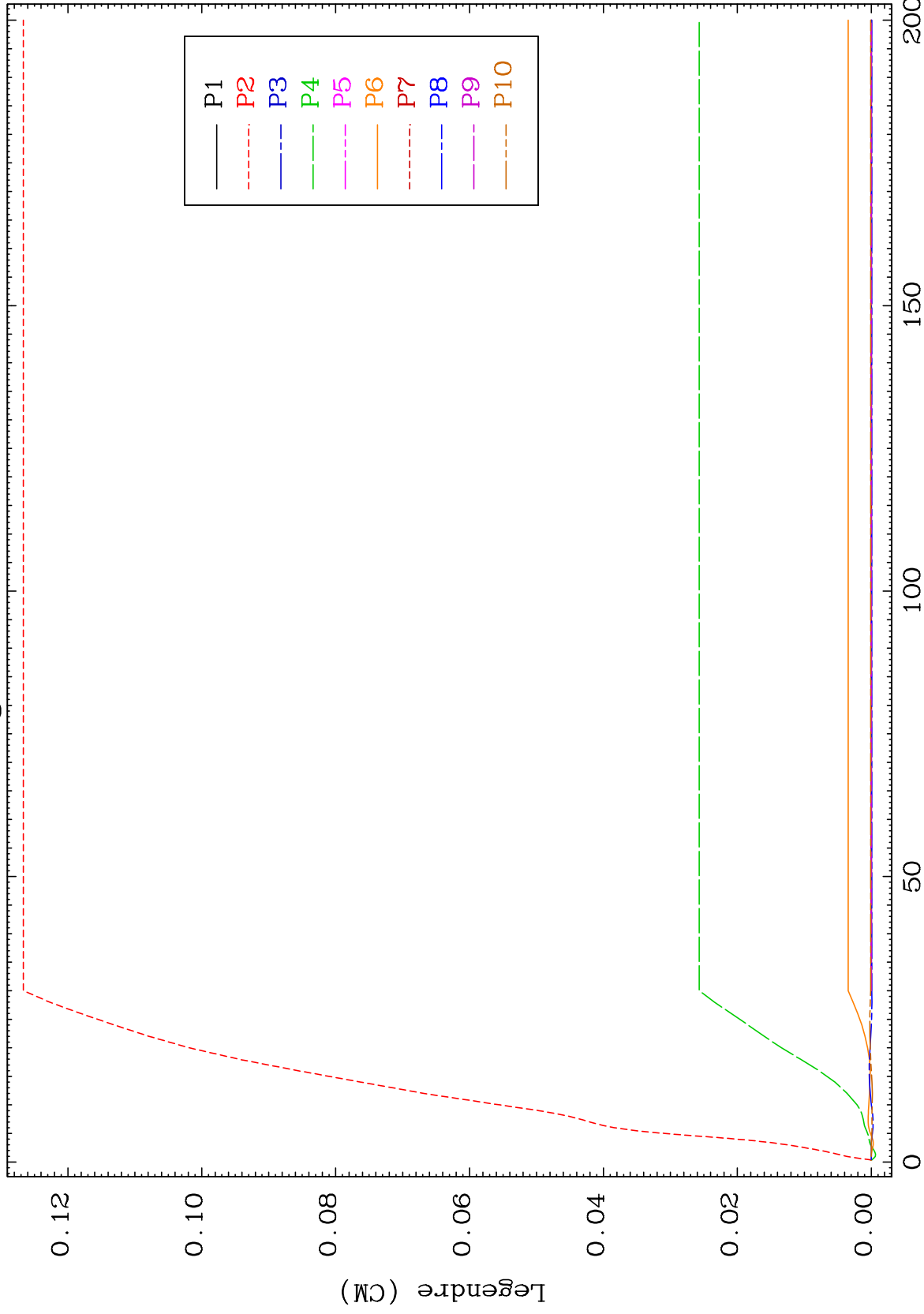
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



54

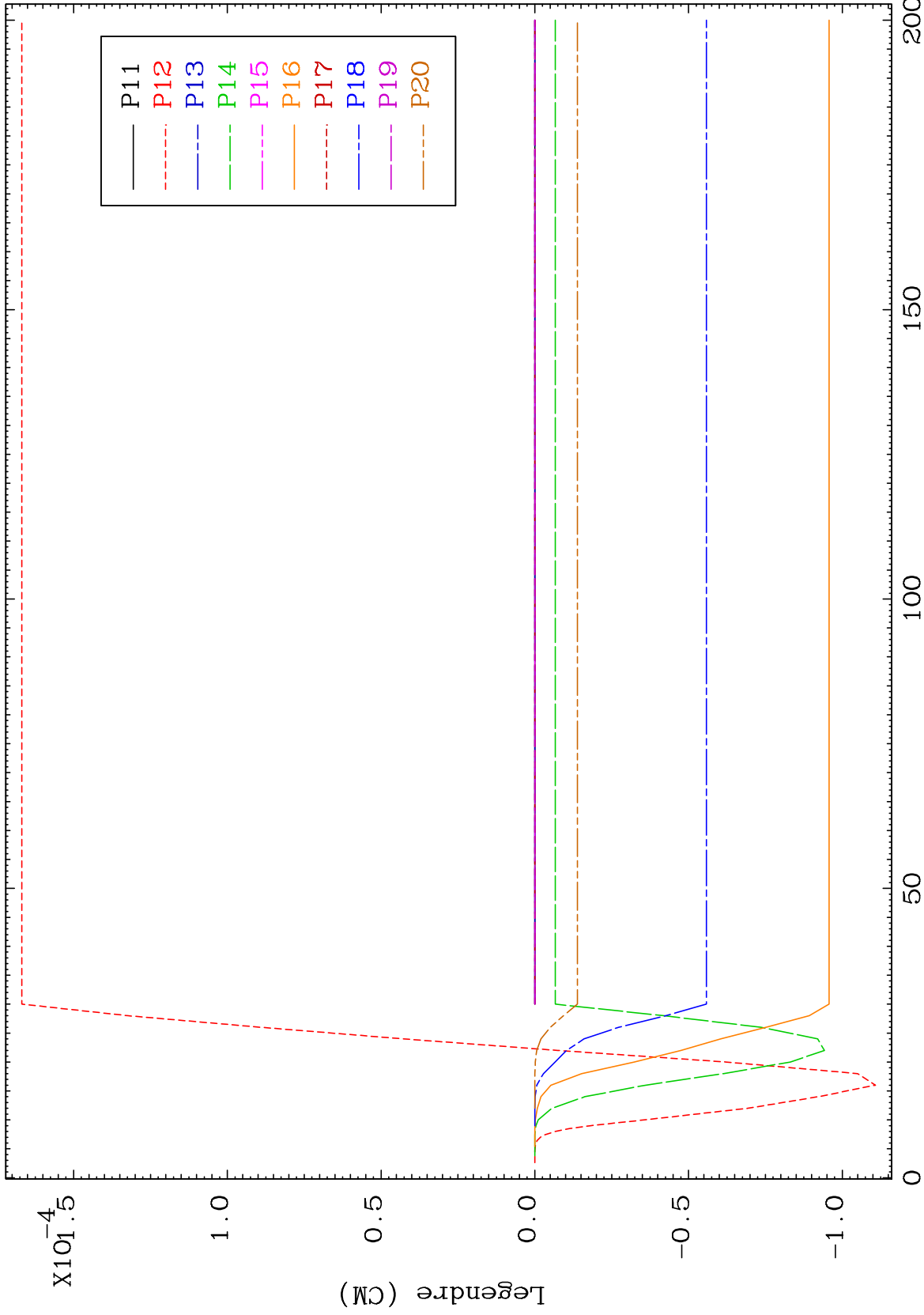
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



55

Incident Energy (MeV)

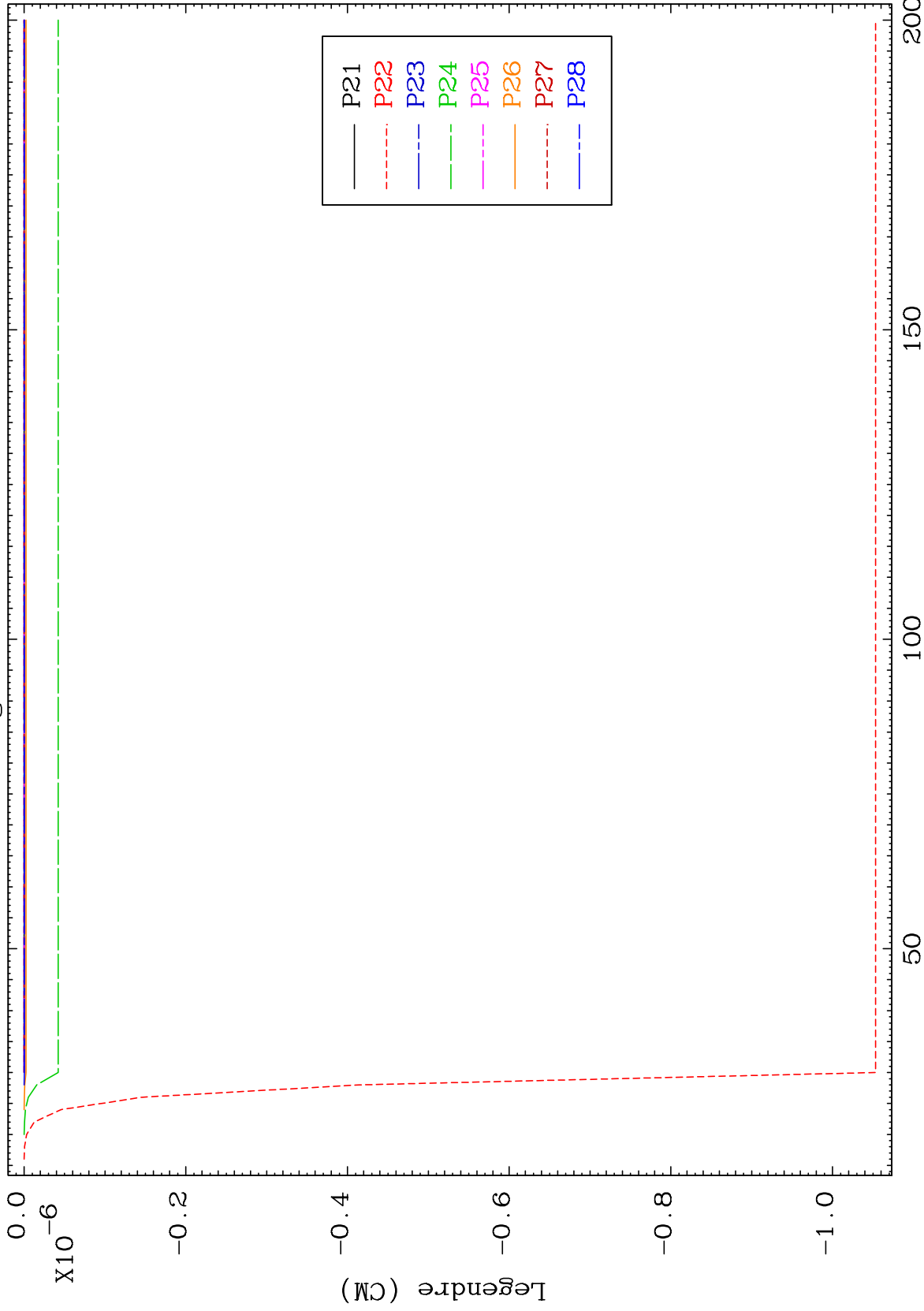
73-Ta-182



MAT 7331

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

73-Ta-182



56

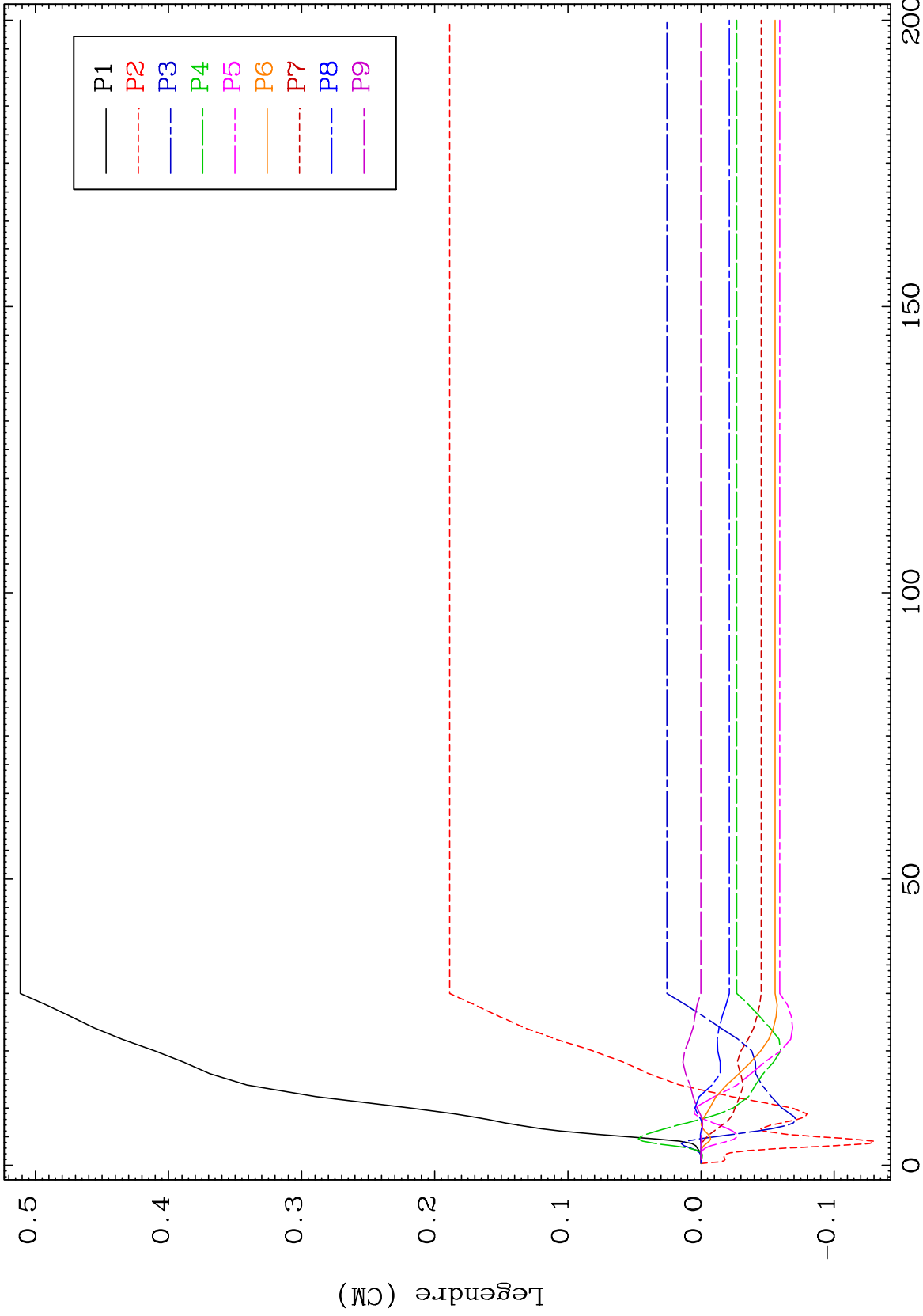
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182

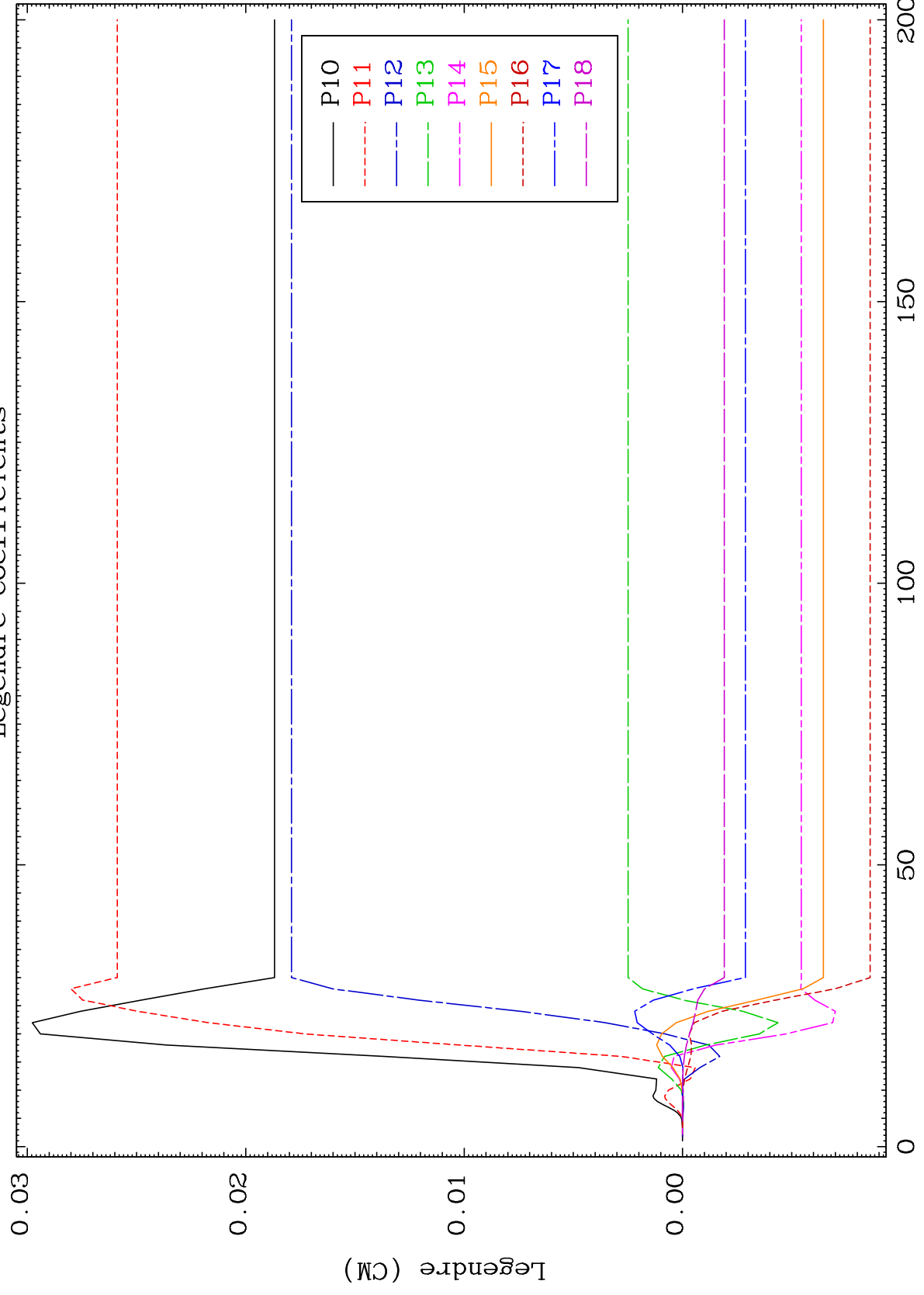


57

Incident Energy (MeV)

73-Ta-182

MAT 7331 MT= 62 (n,n') Level Legendre Coefficients 73-Ta-182

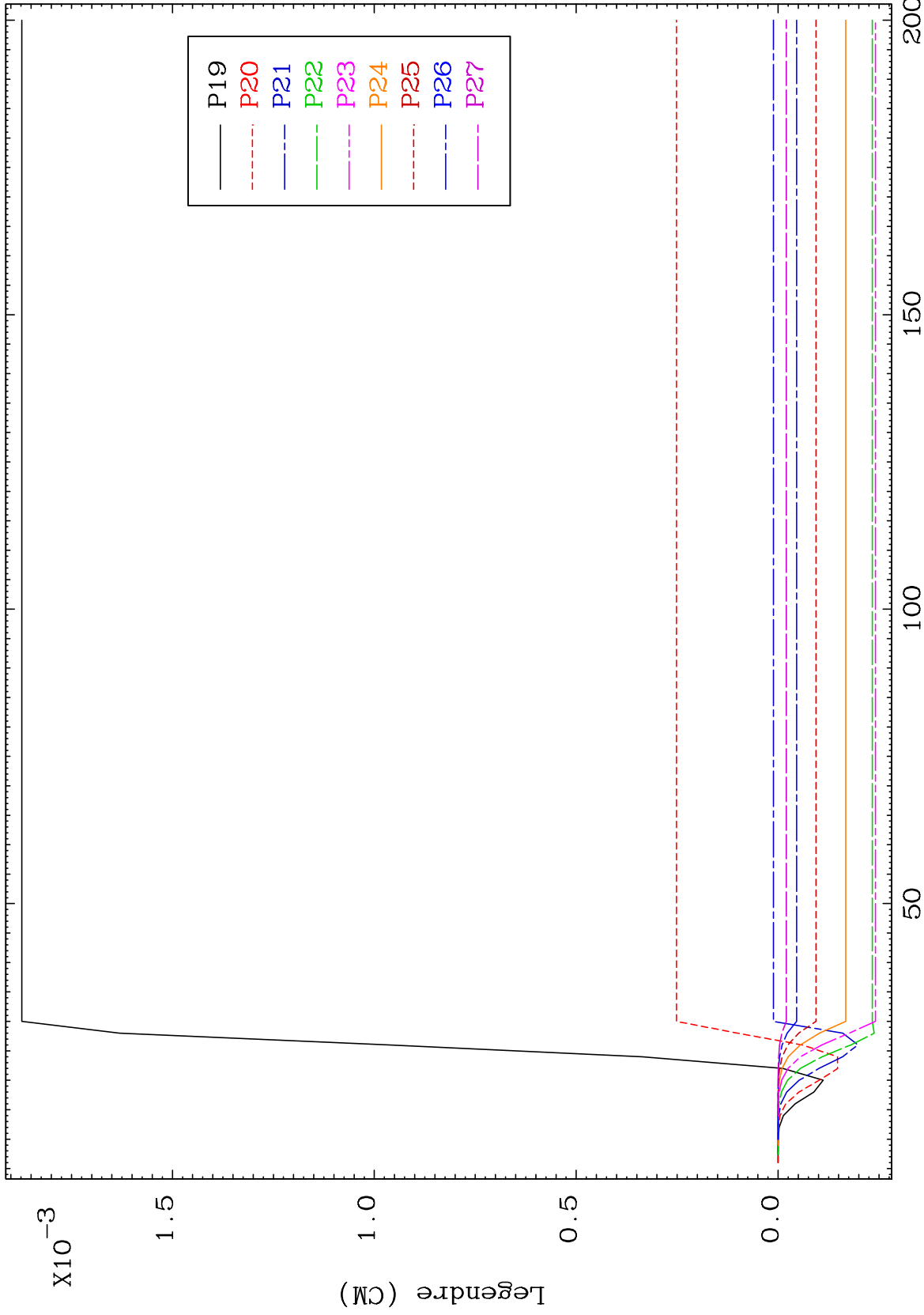


58 73-Ta-182

MAT 7331

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

73-Ta-182



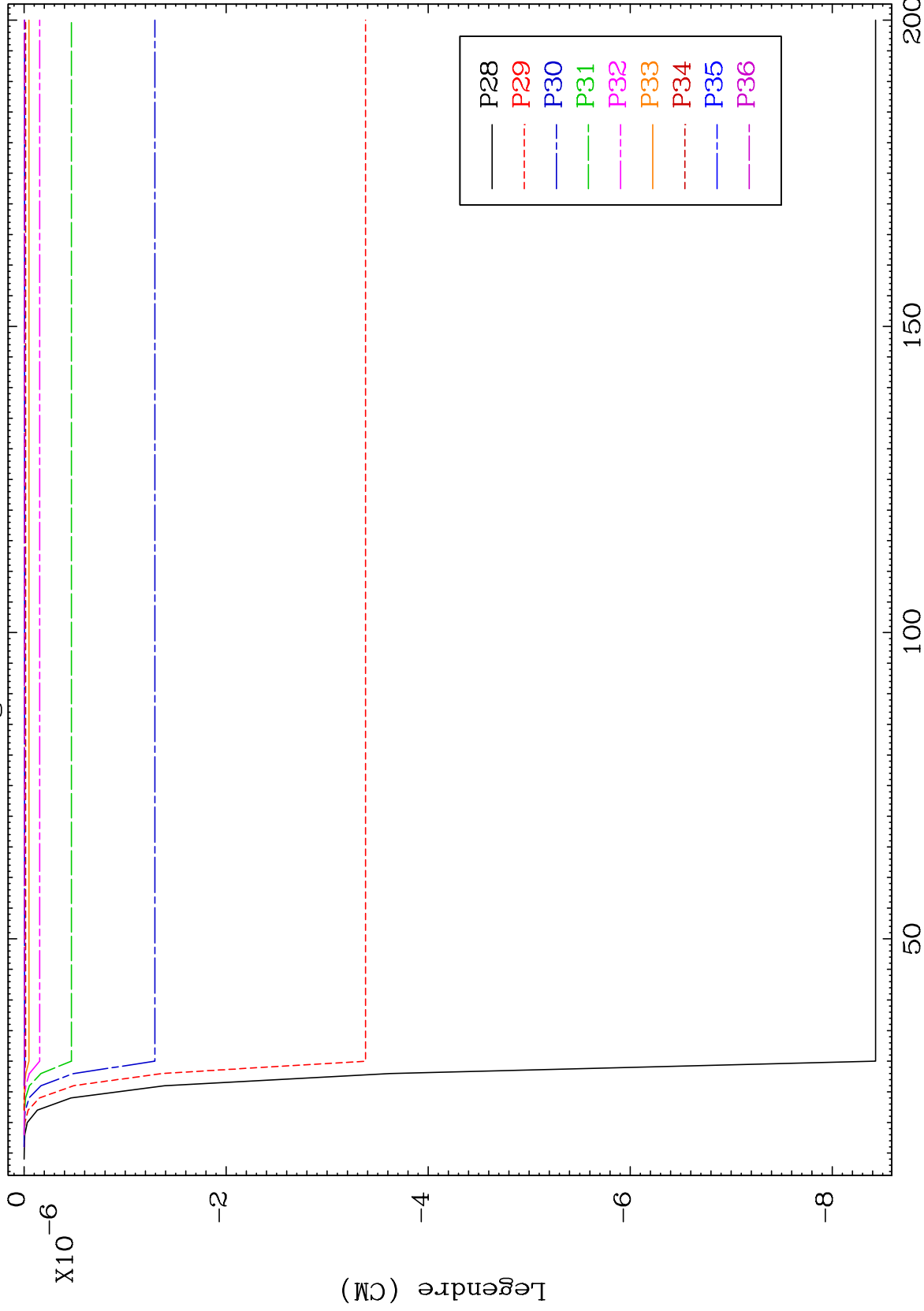
59

73-Ta-182

MAT 7331

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

73-Ta-182



73-Ta-182

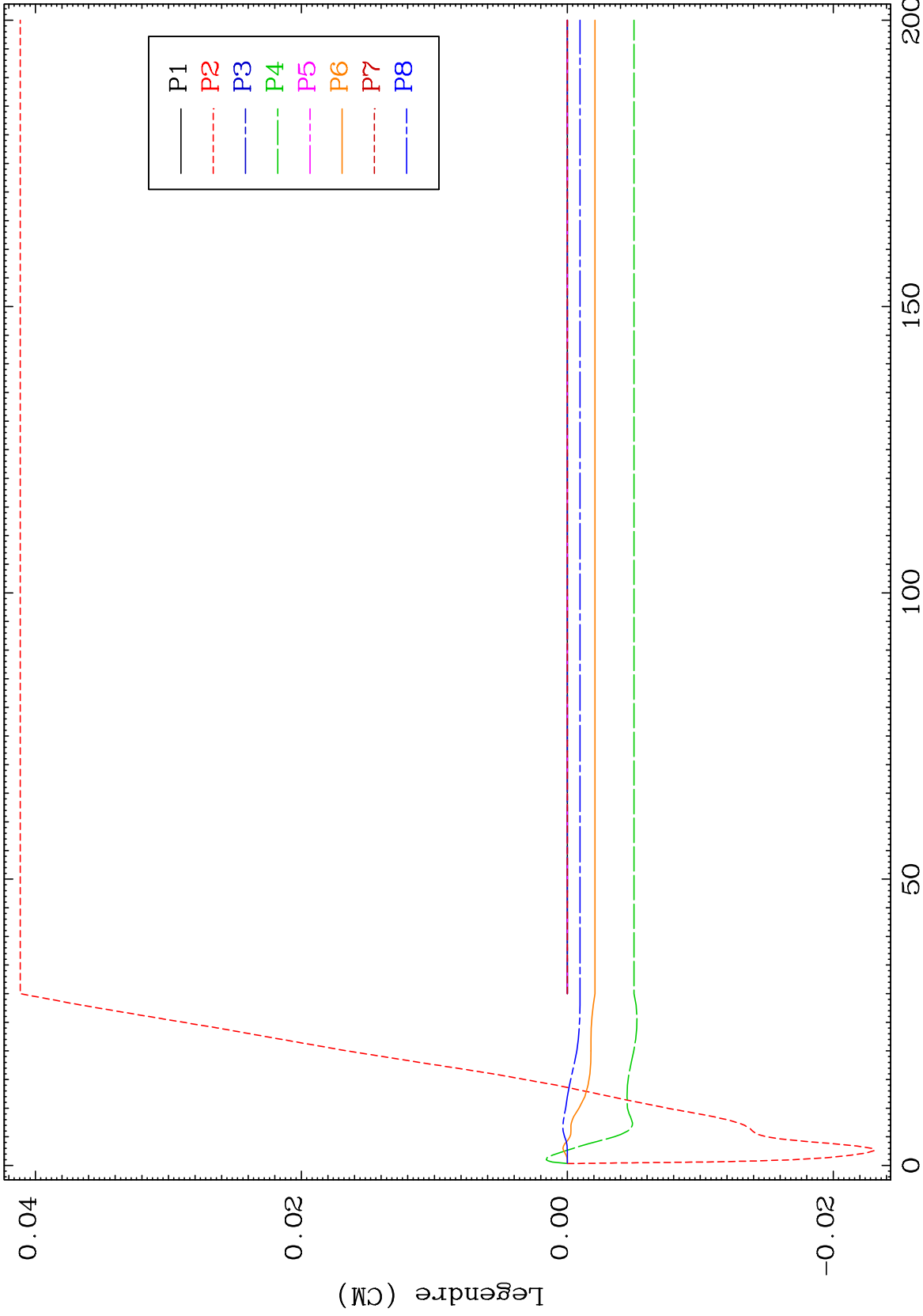
Incident Energy (MeV)

60

MAT 7331

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

73-Ta-182



61

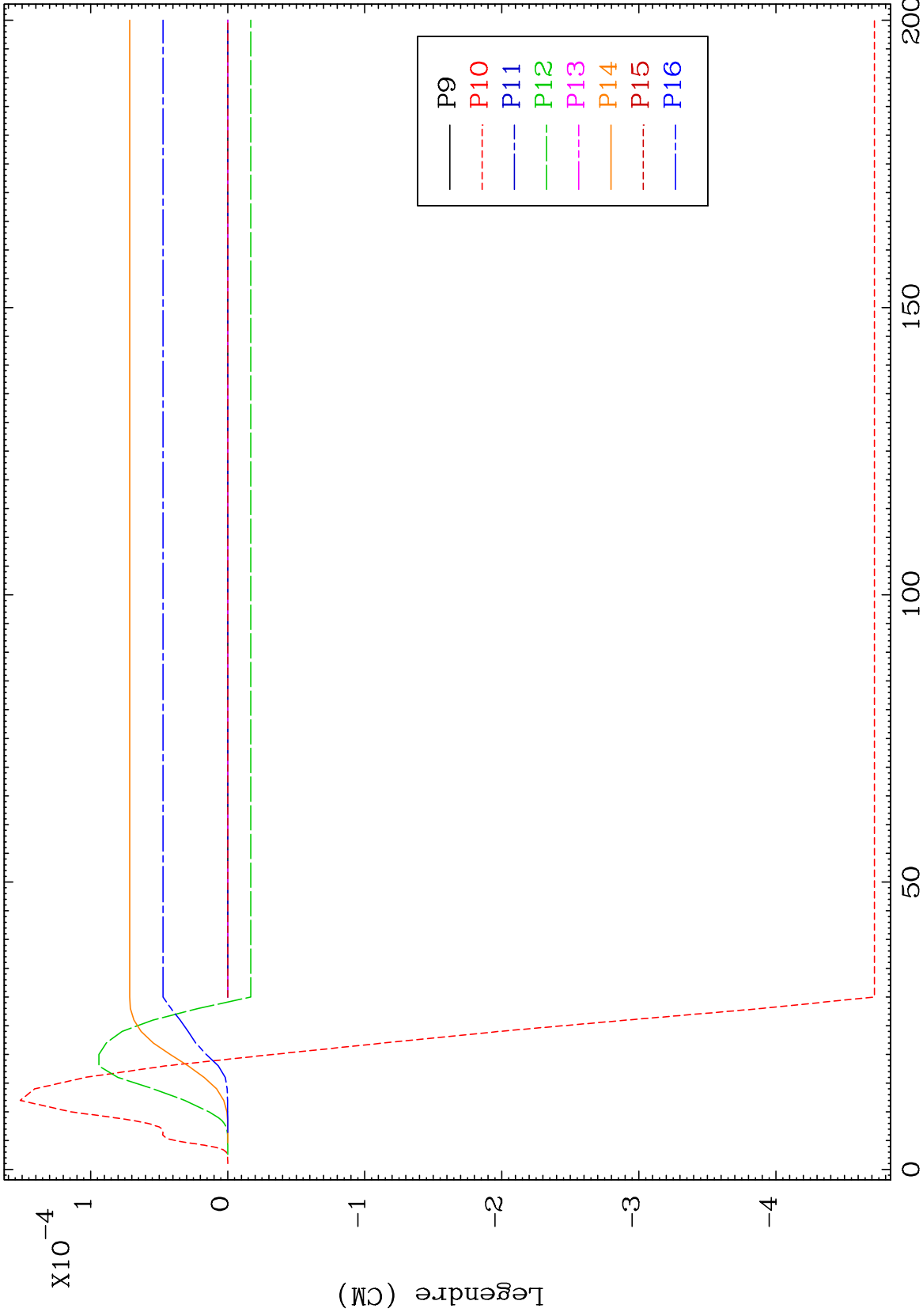
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



62

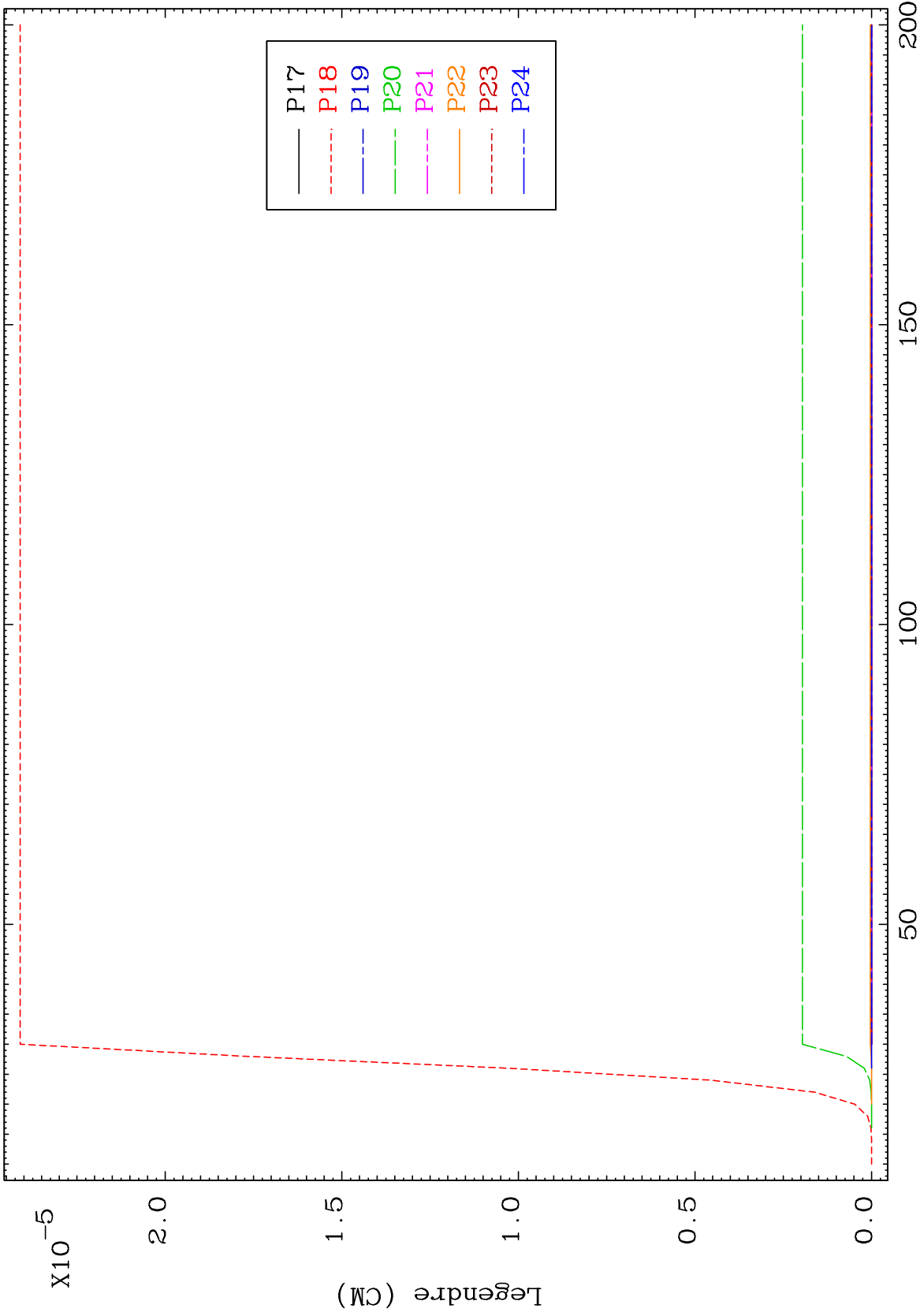
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182

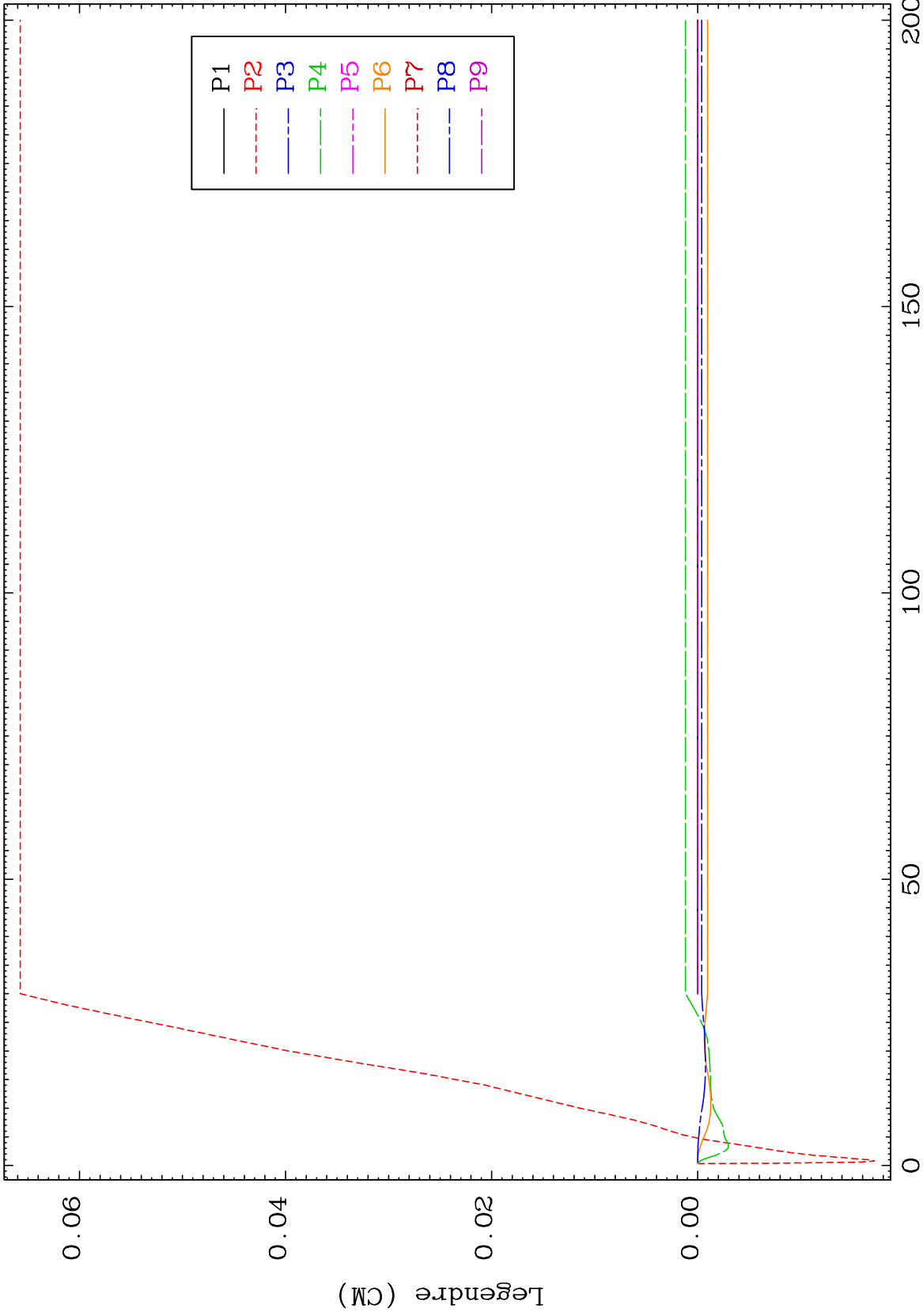




MAT 7331

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

73-Ta-182



64

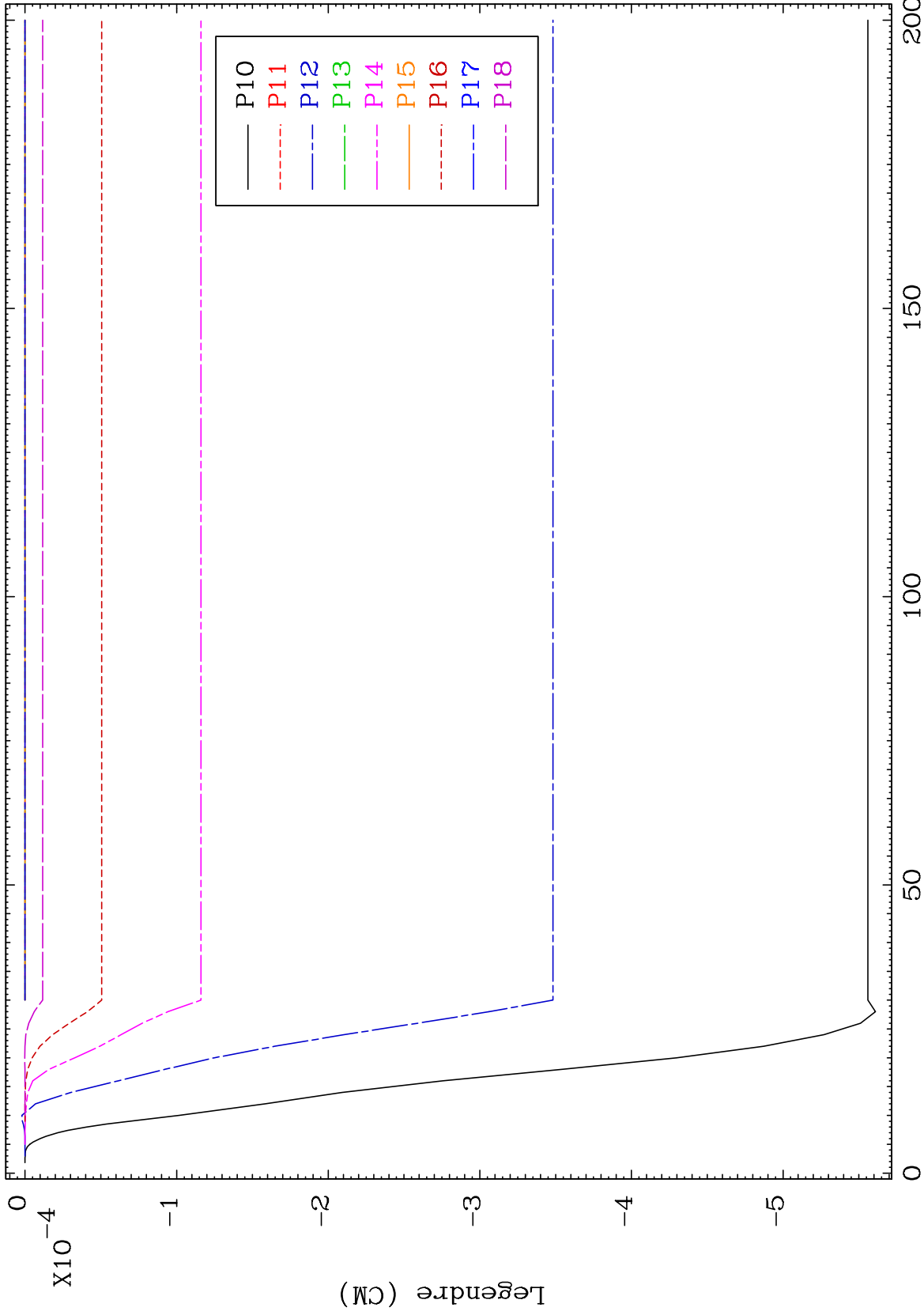
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



65

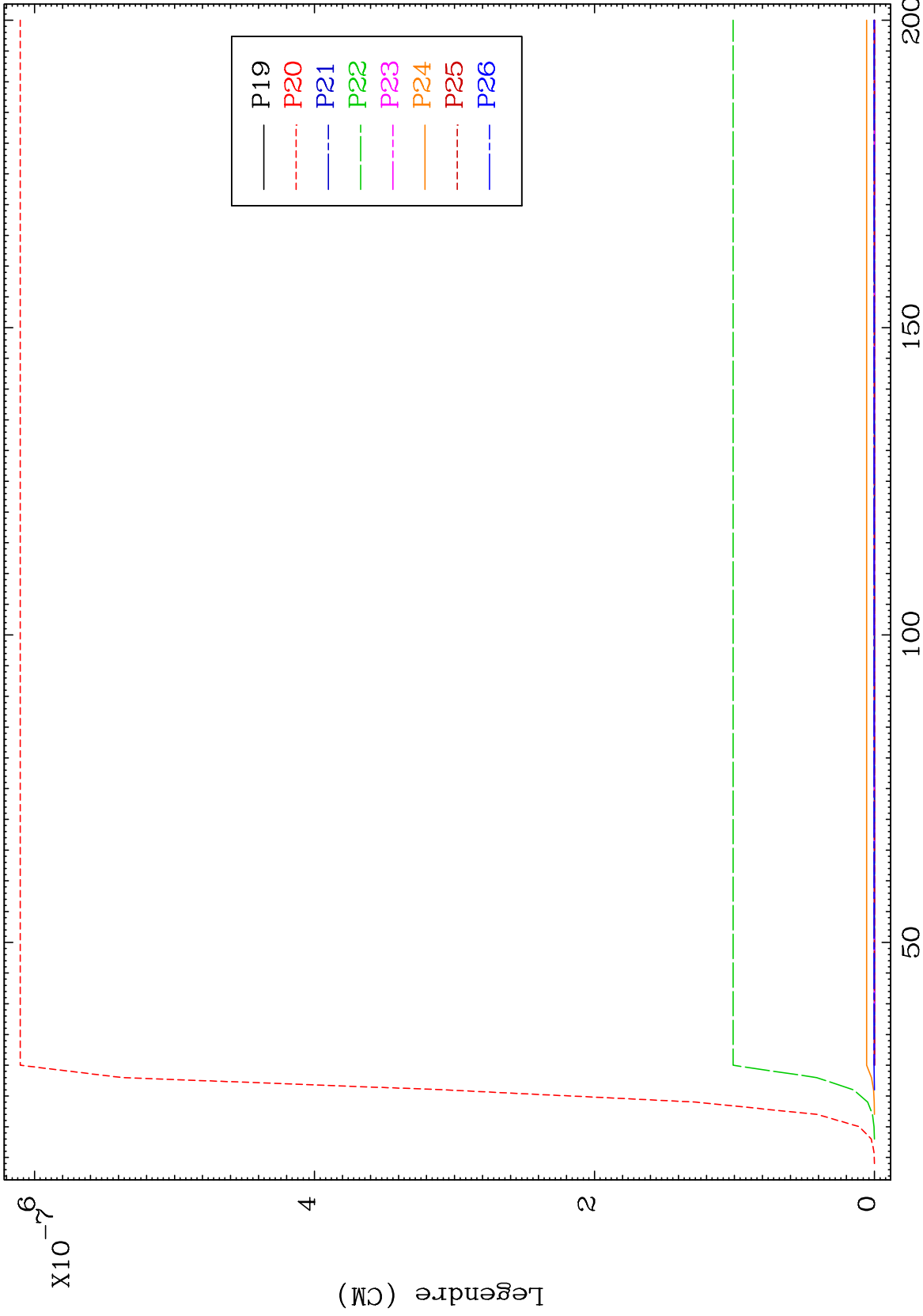
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



66

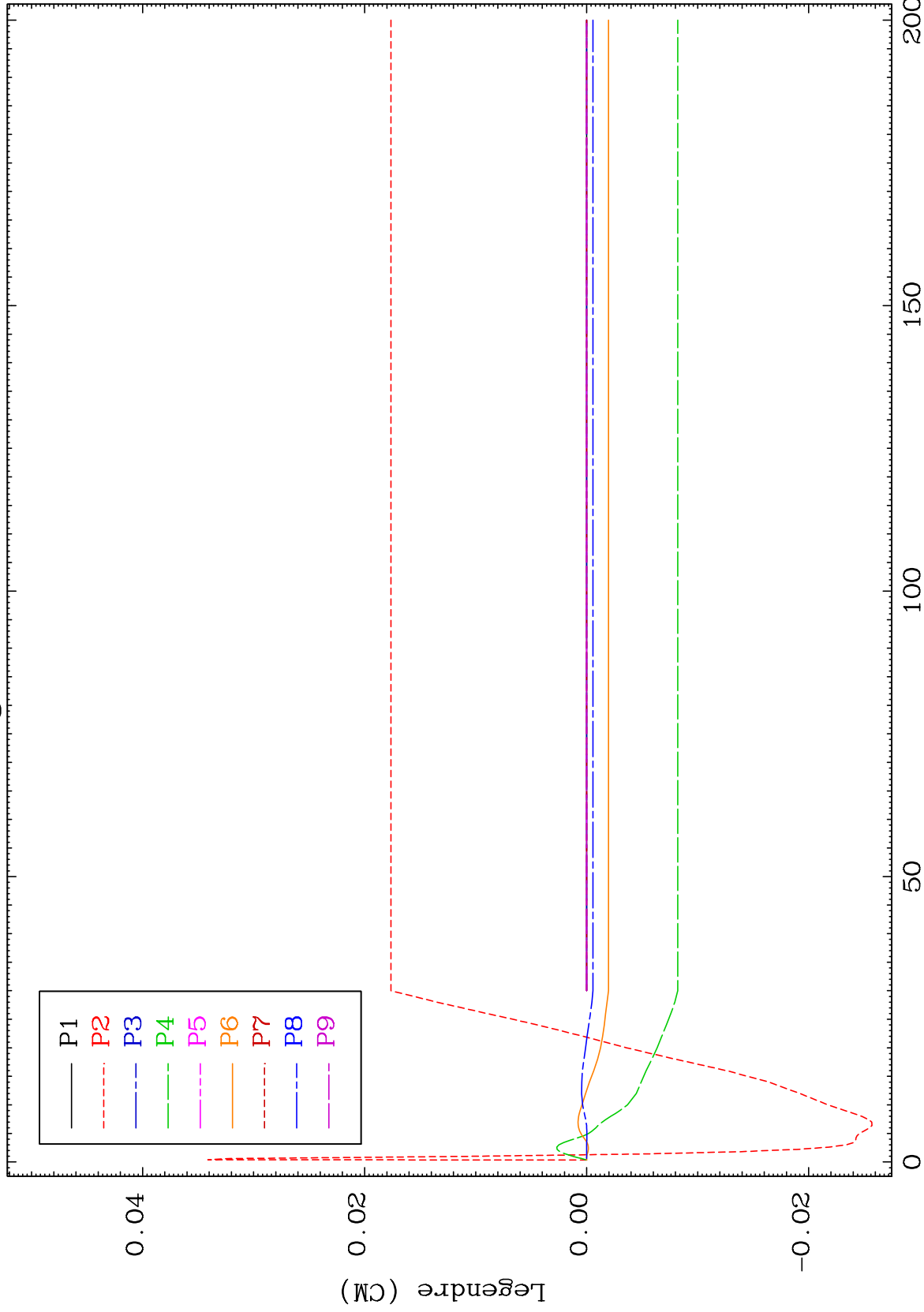
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



67

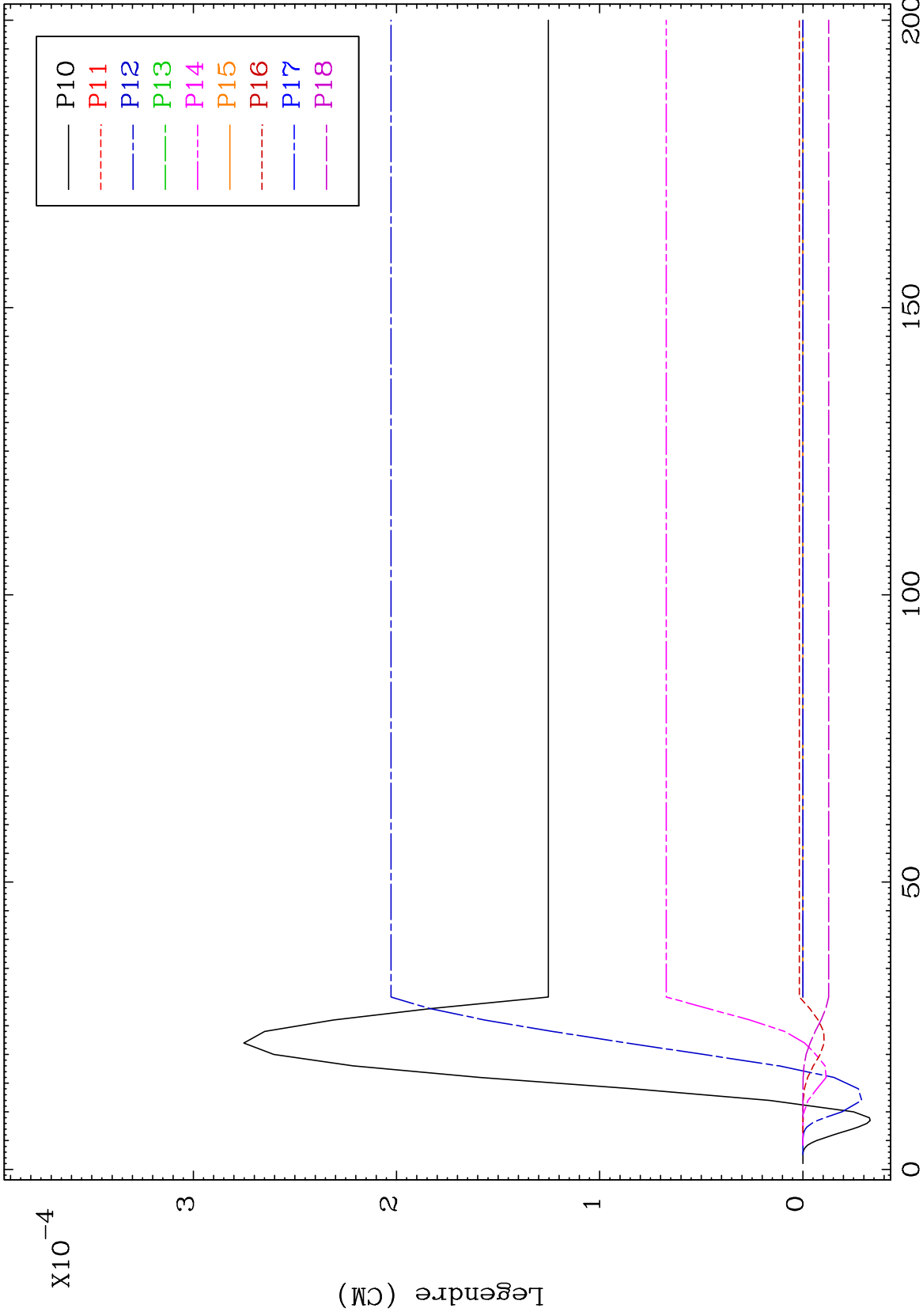
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



68

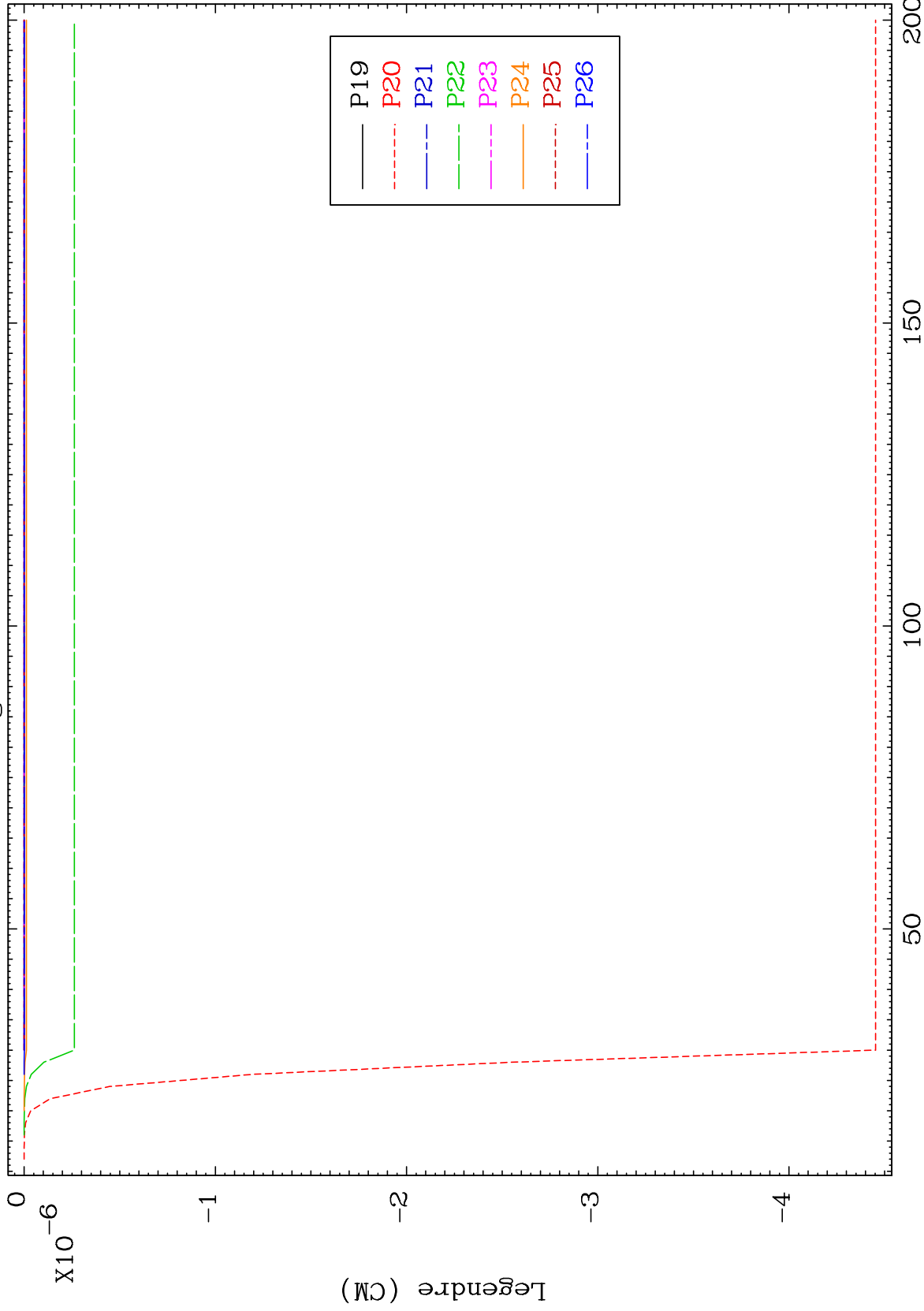
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



69

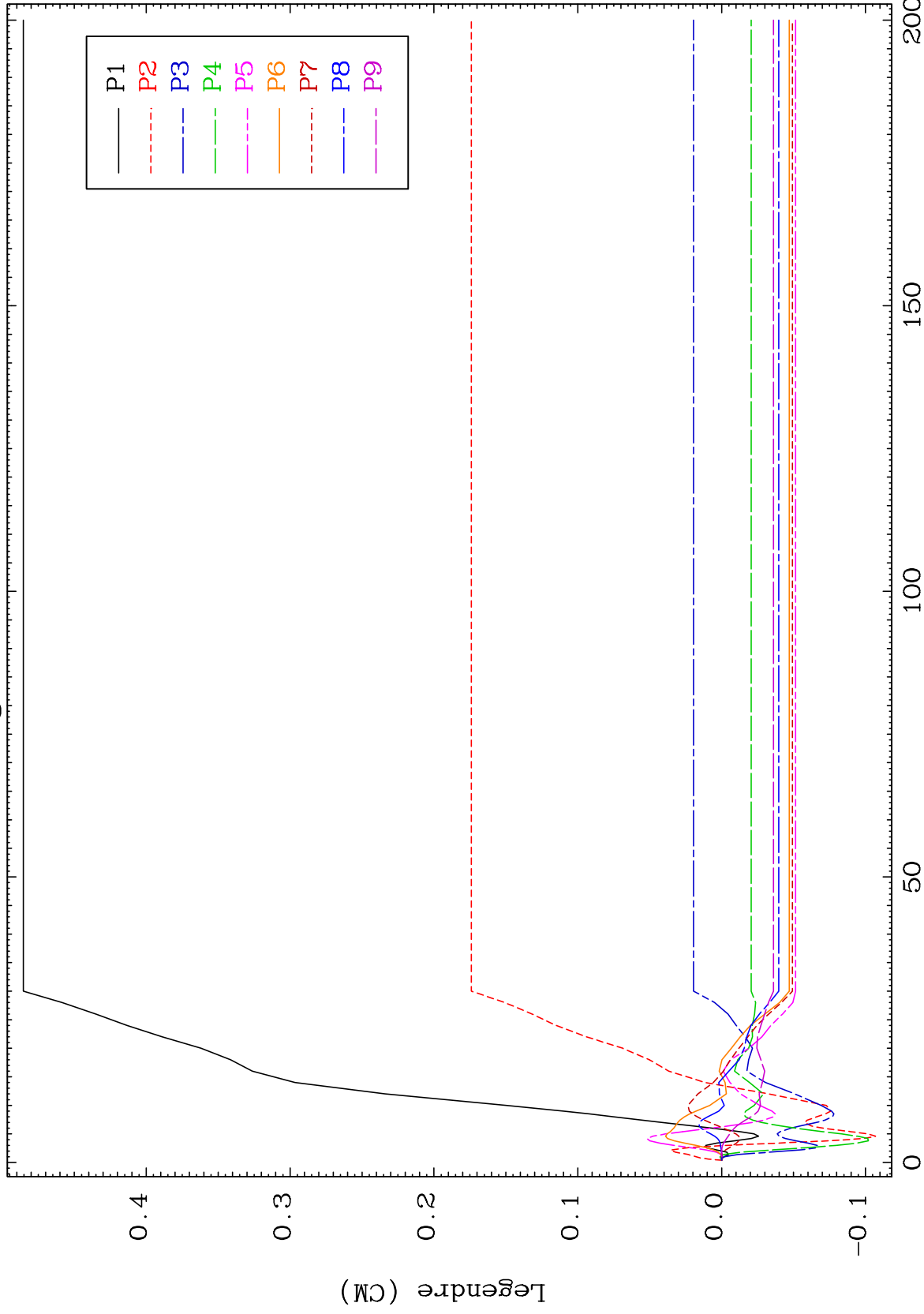
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



73-Ta-182

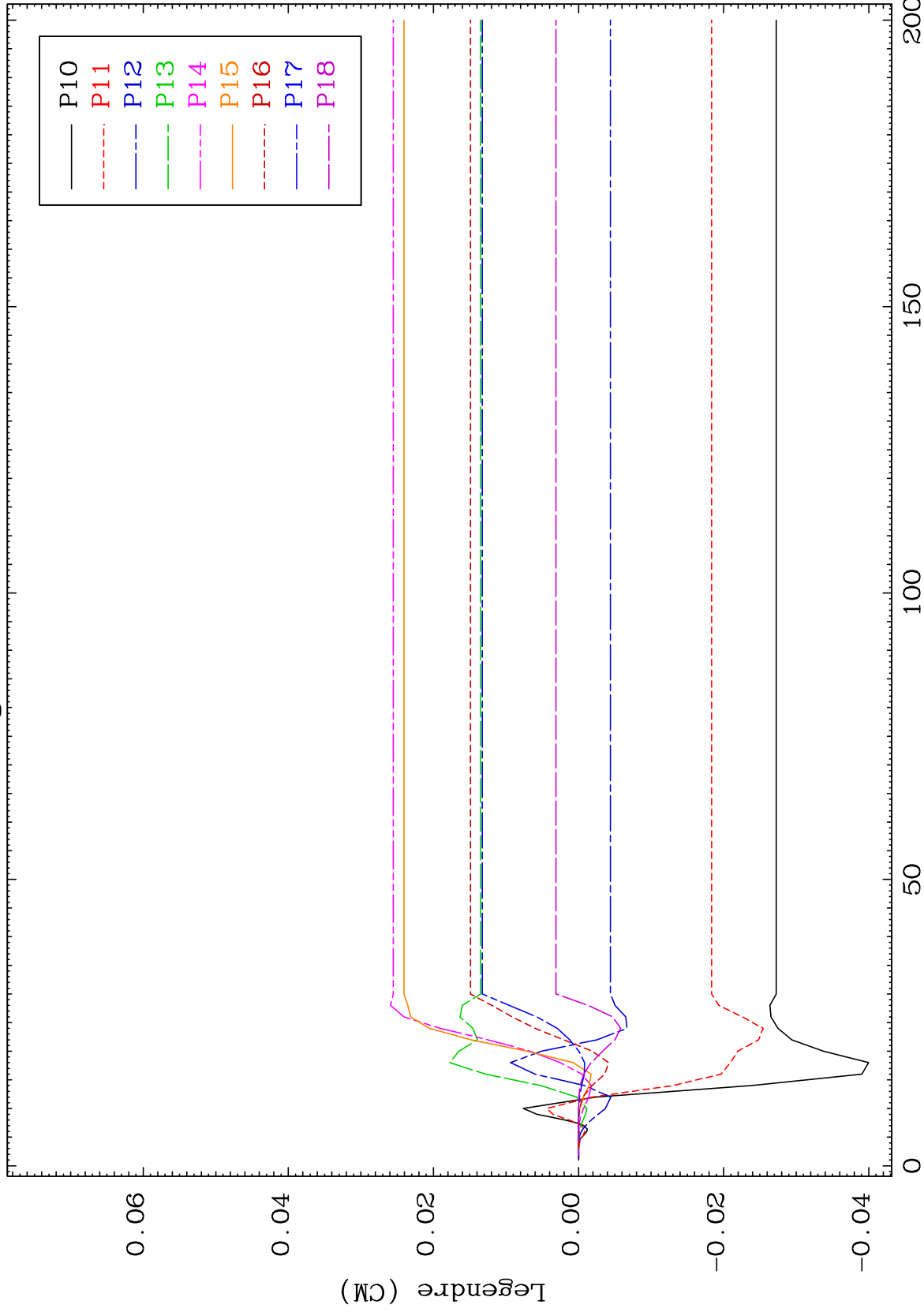
Incident Energy (MeV)

70

MAT 7331

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

73-Ta-182



71

Incident Energy (MeV)

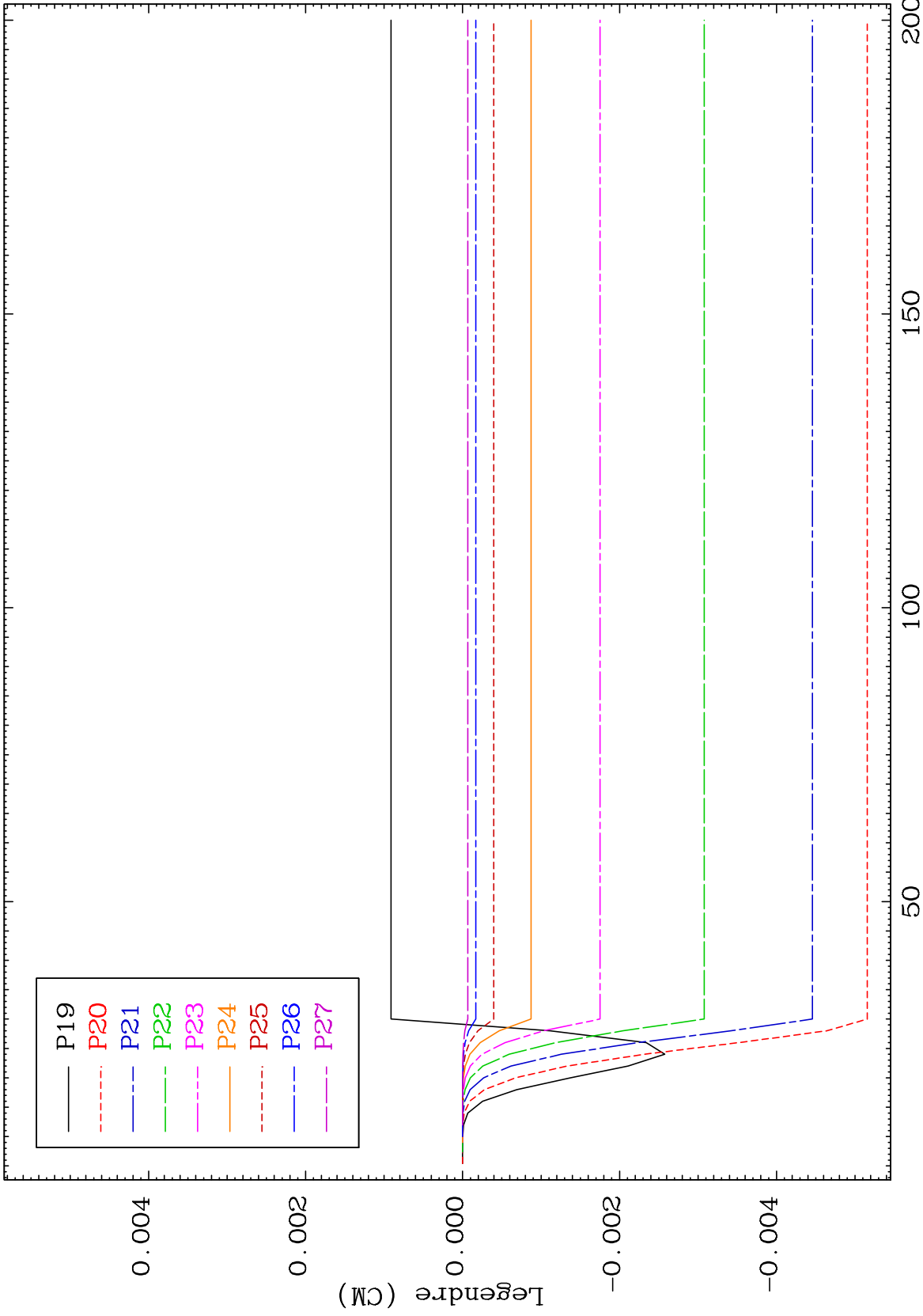
73-Ta-182



MAT 7331

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

73-Ta-182



72

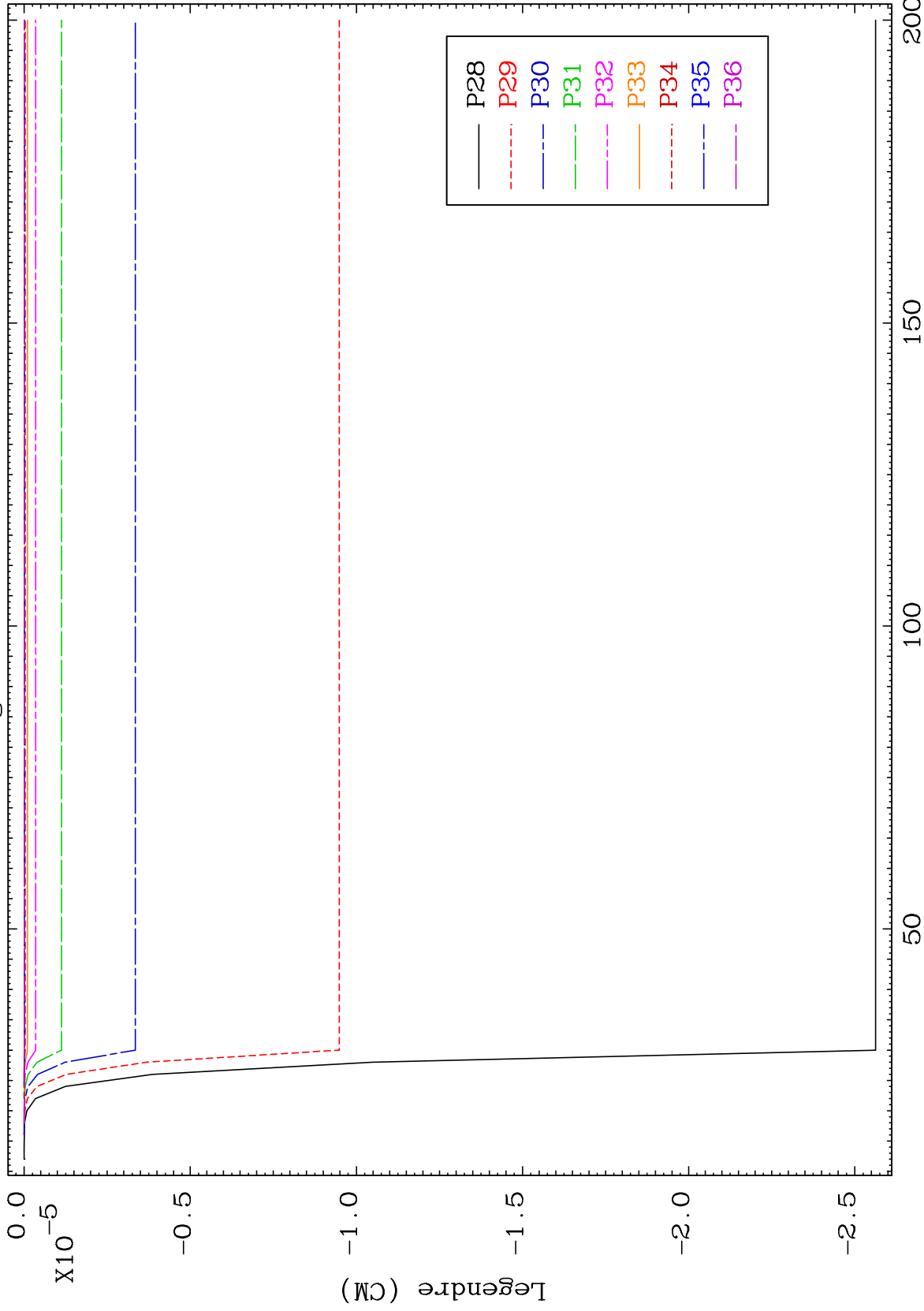
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182

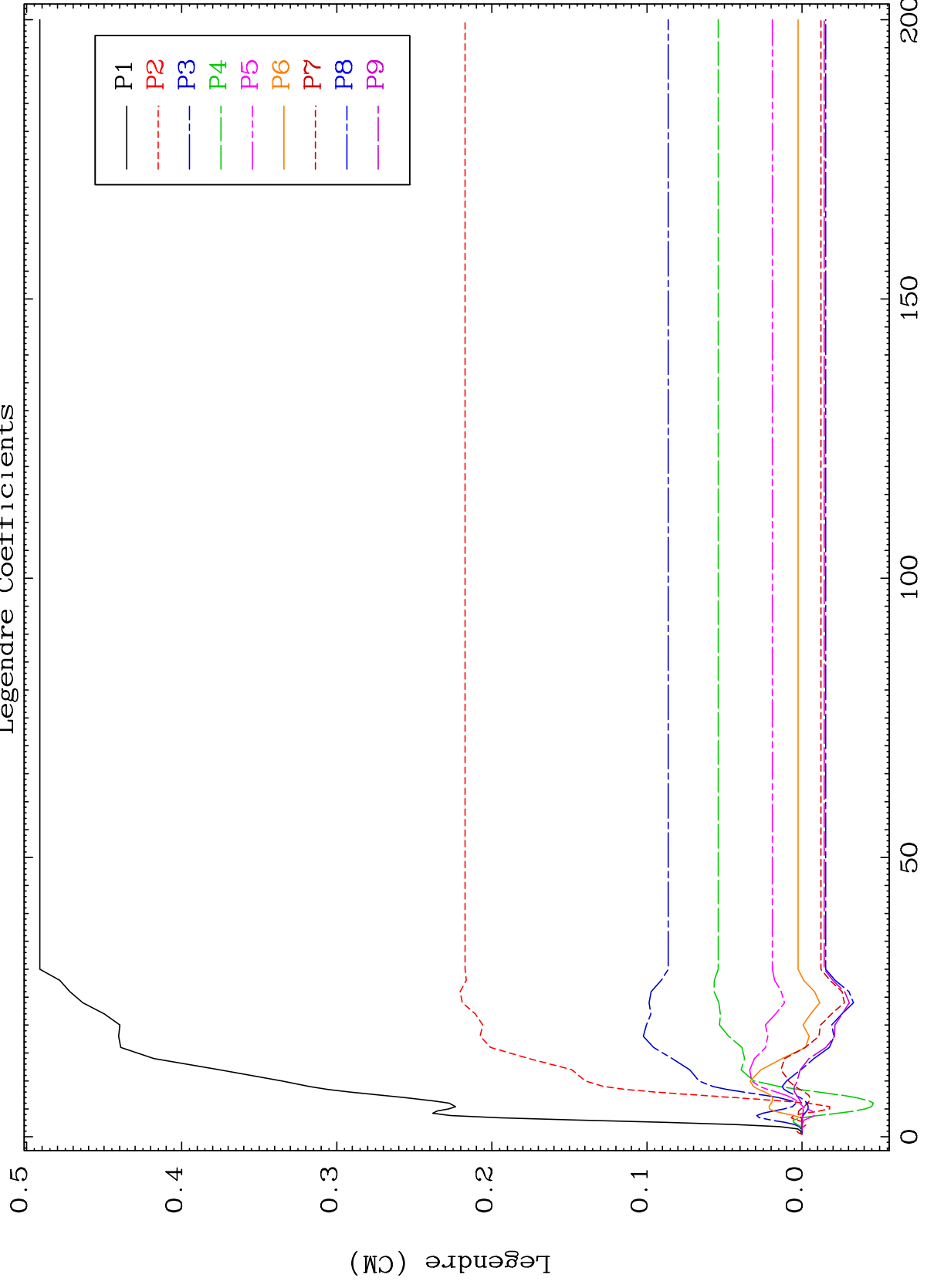


73-Ta-182

Incident Energy (MeV)

73

MAT 7331 MT= 67 (n,n') Level Legendre Coefficients 73-Ta-182

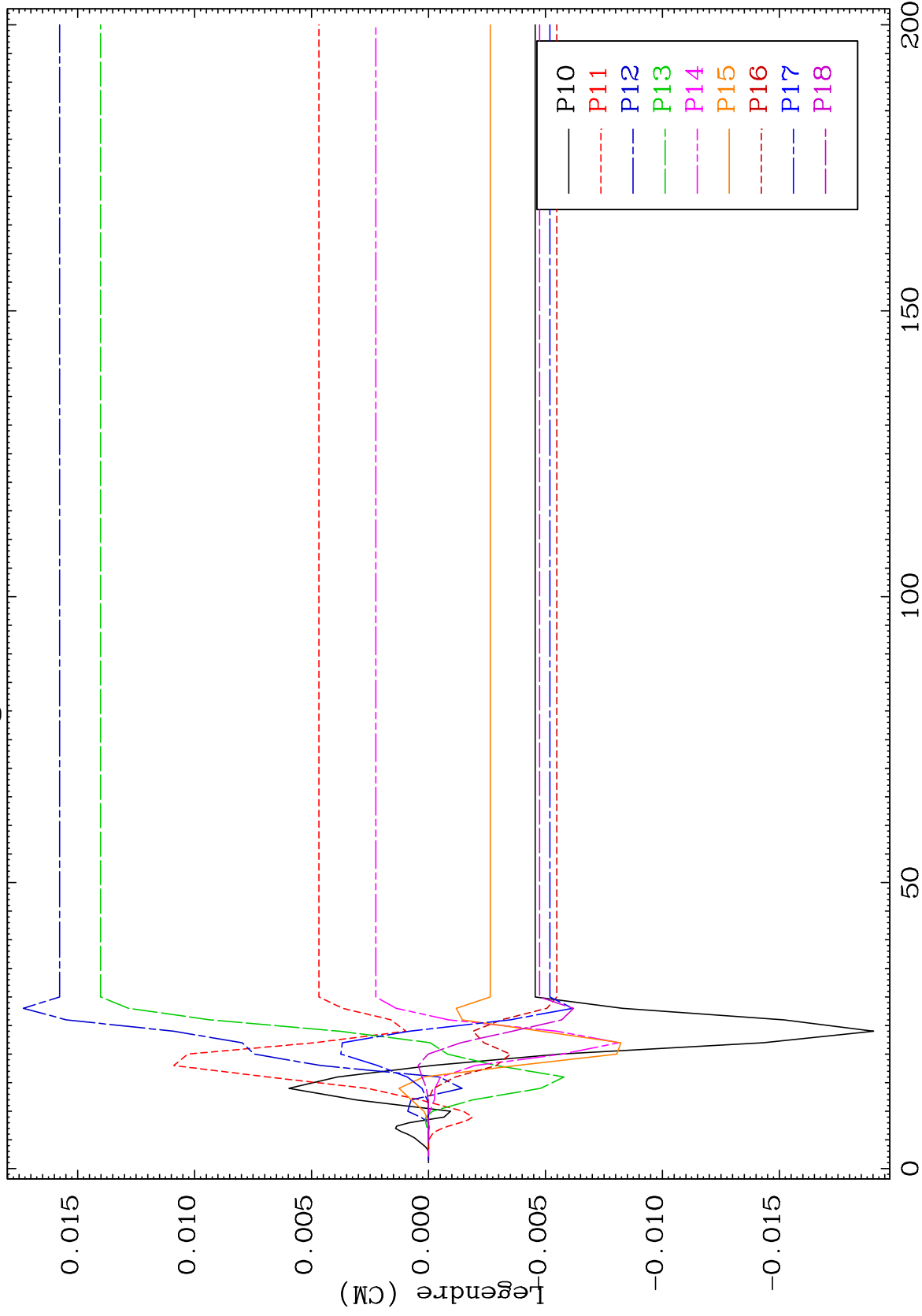


74 73-Ta-182

MAT 7331

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

73-Ta-182



75

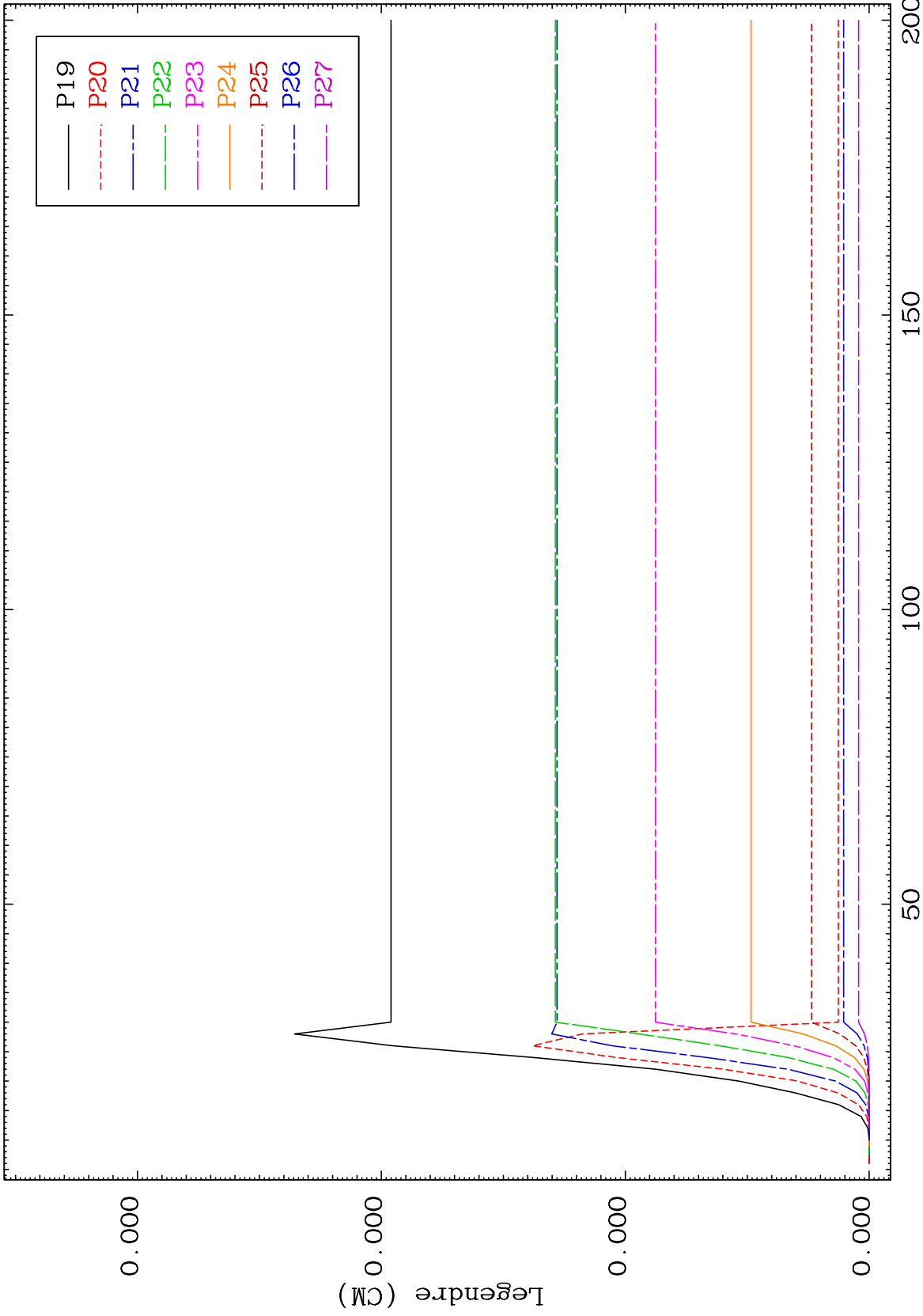
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



76

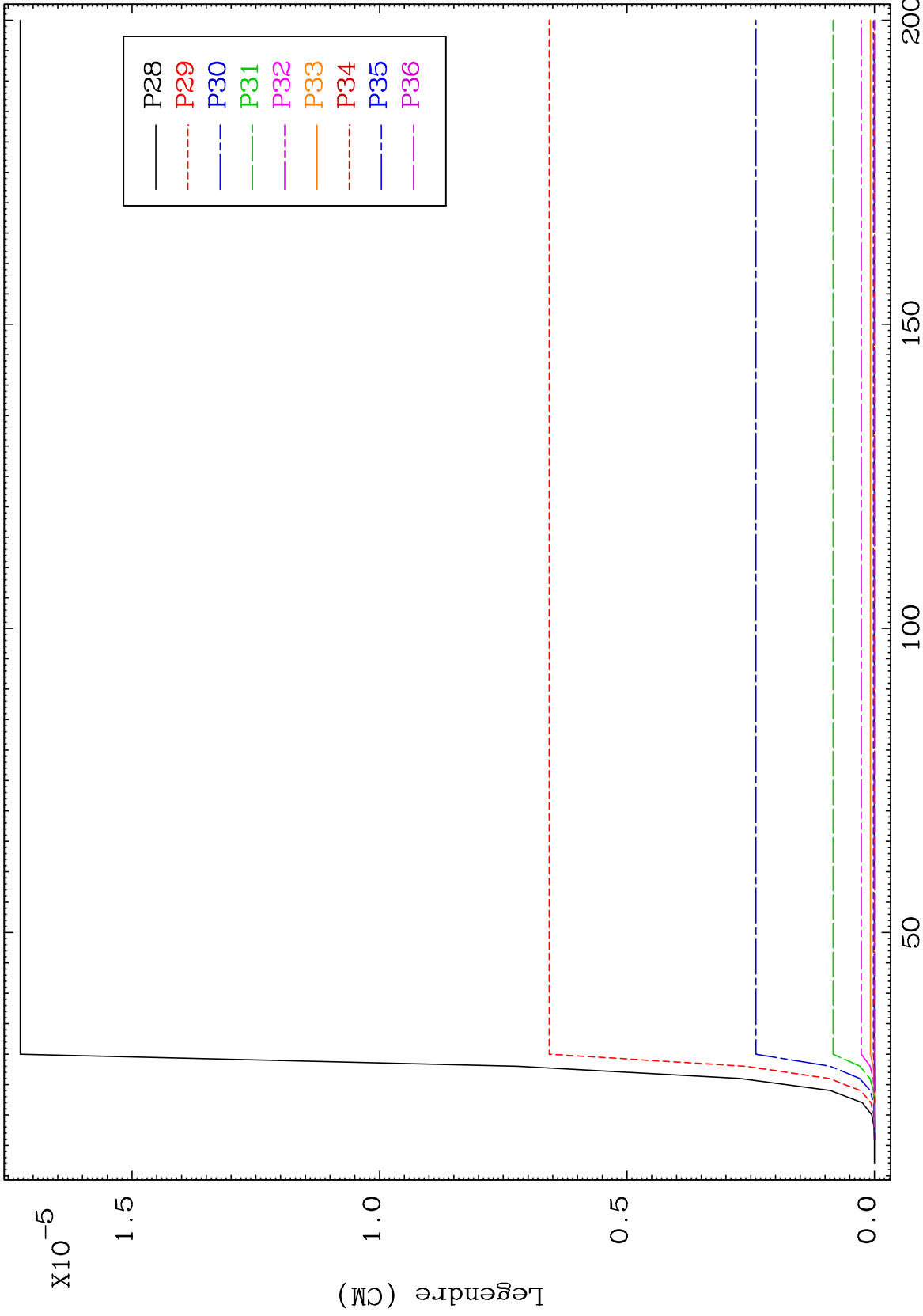
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

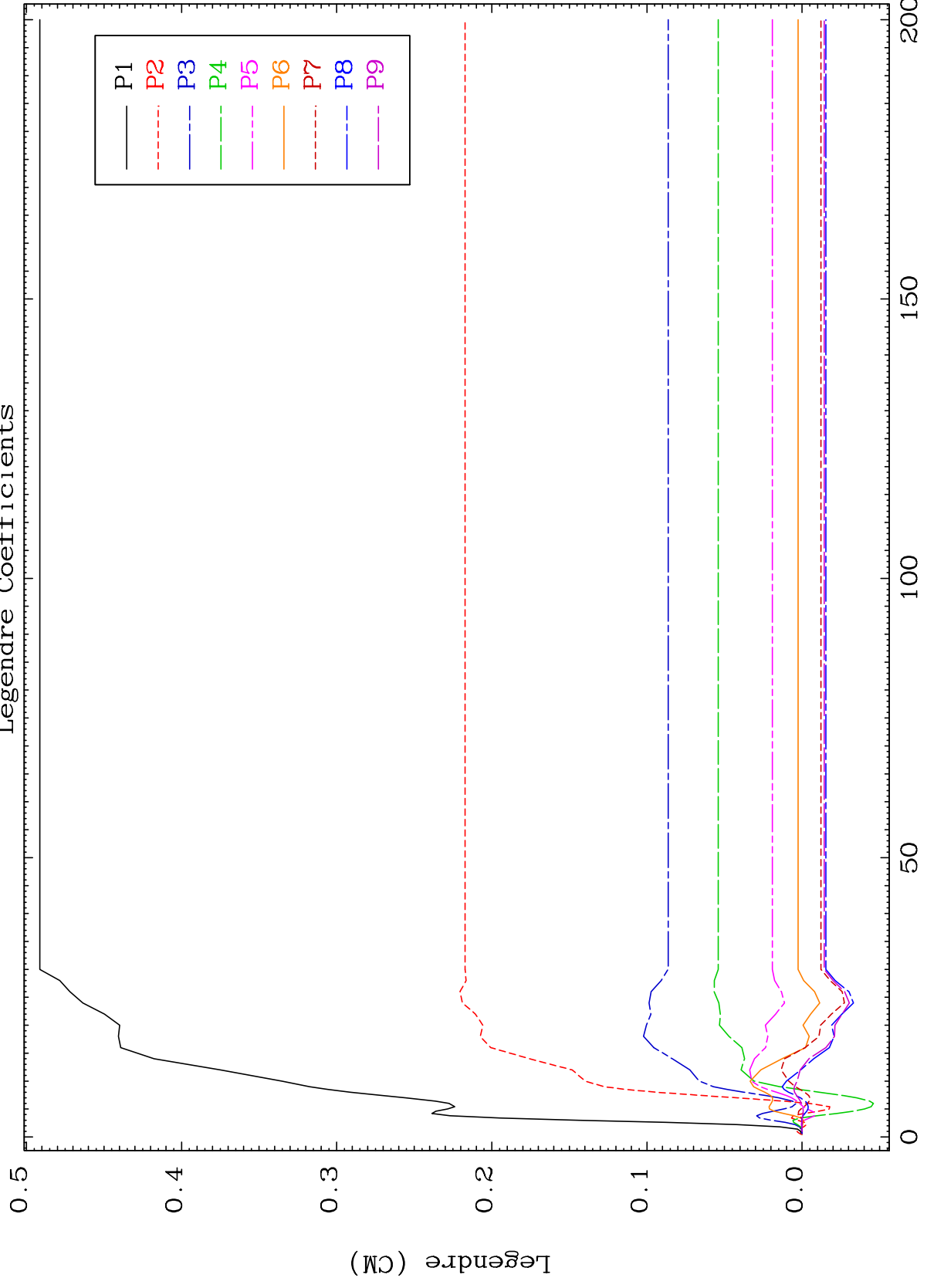
73-Ta-182



77

73-Ta-182

MAT 7331 MT= 68 (n,n') Level Legendre Coefficients 73-Ta-182

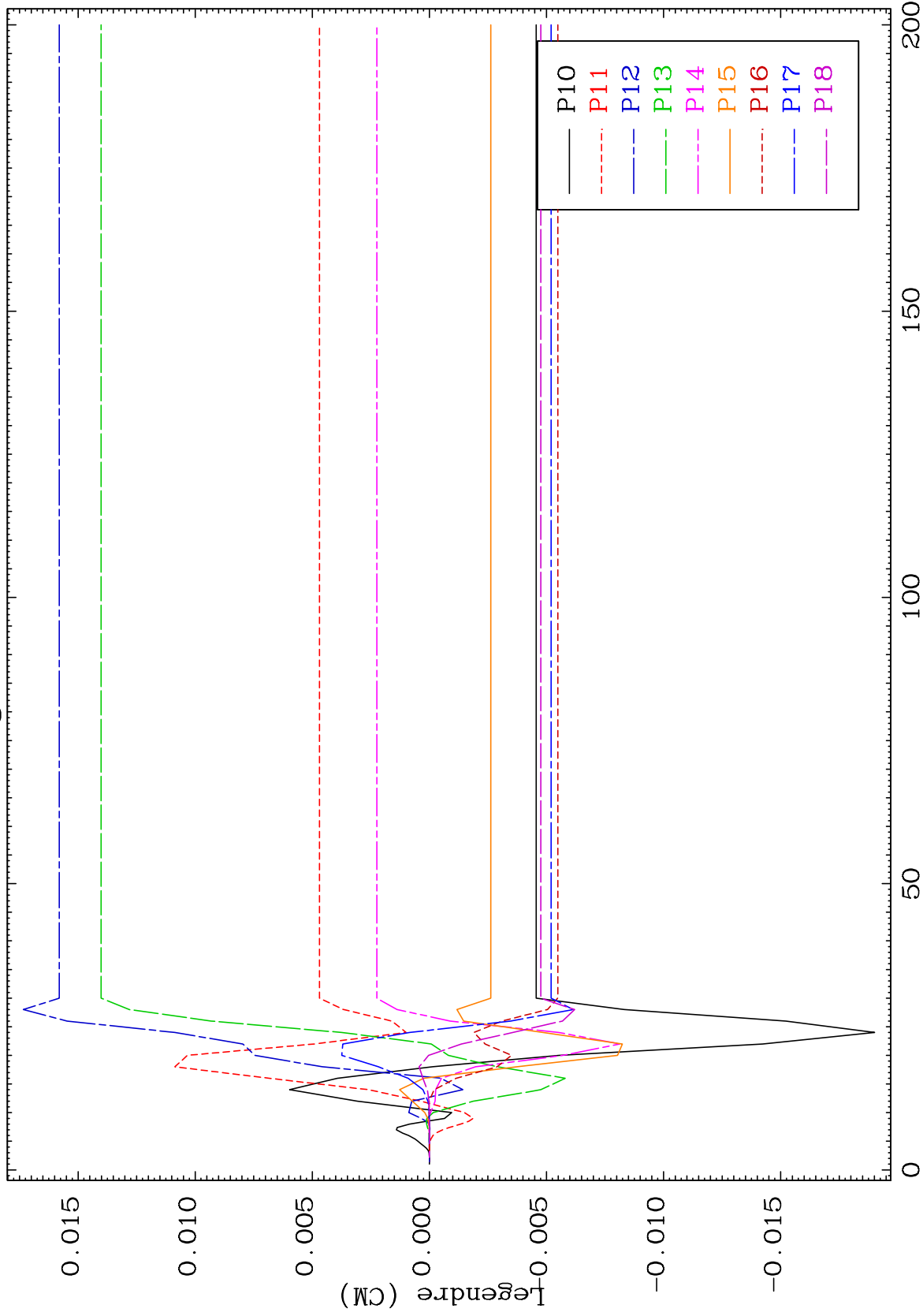


78 73-Ta-182

MAT 7331

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

73-Ta-182



79

Incident Energy (MeV)

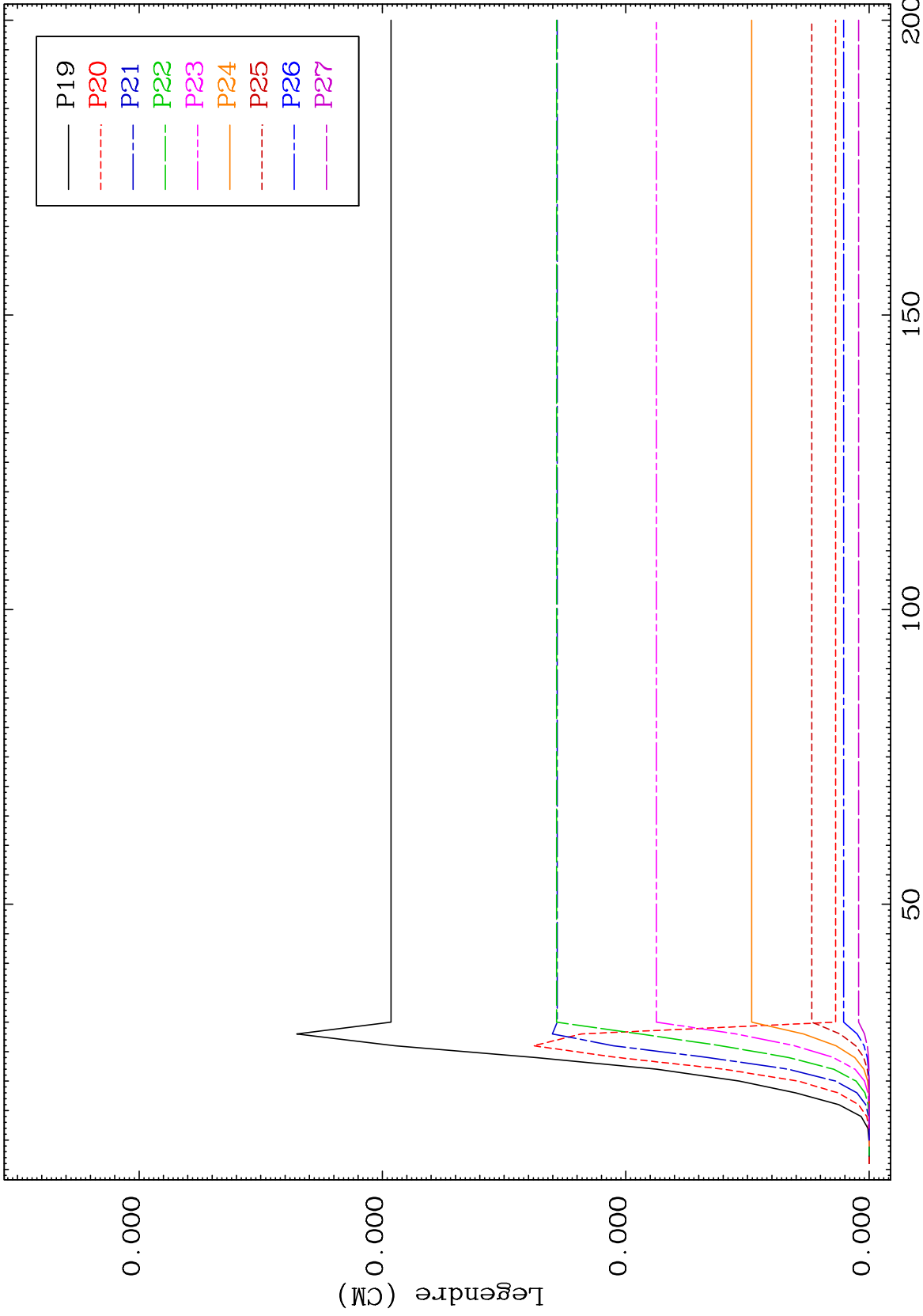
73-Ta-182



MAT 7331

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

73-Ta-182



80

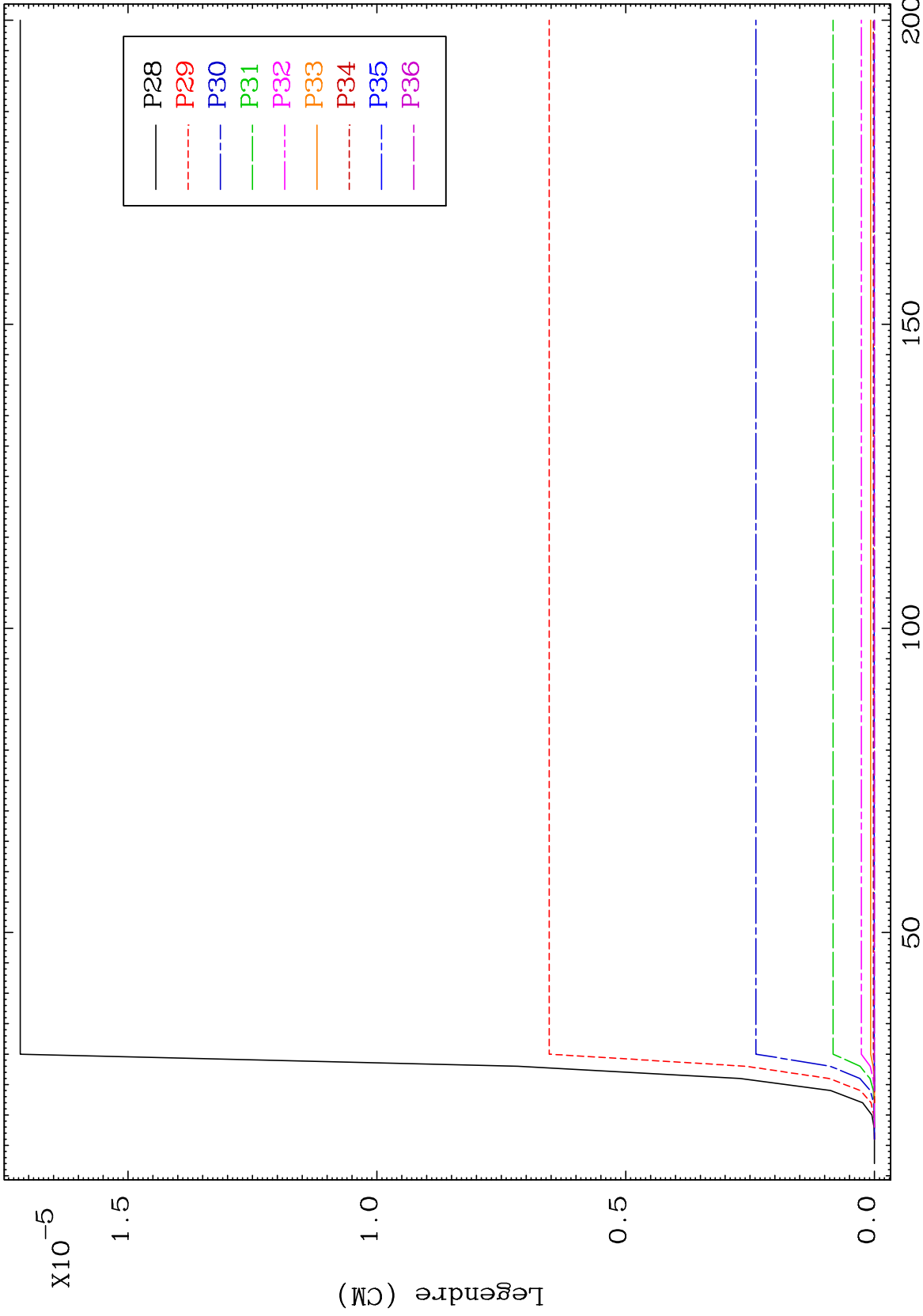
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



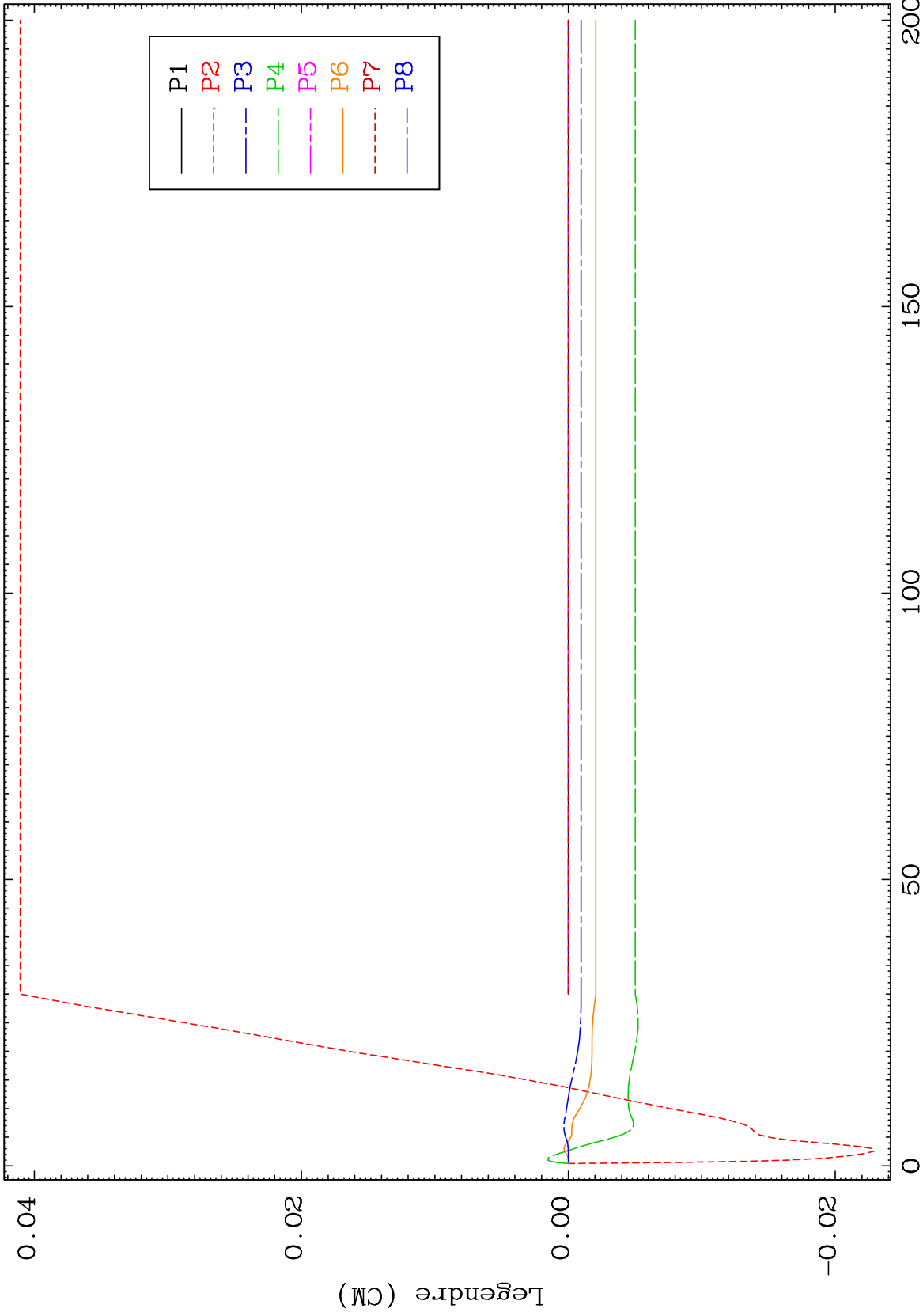
81

73-Ta-182

MAT 7331

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

73-Ta-182



82

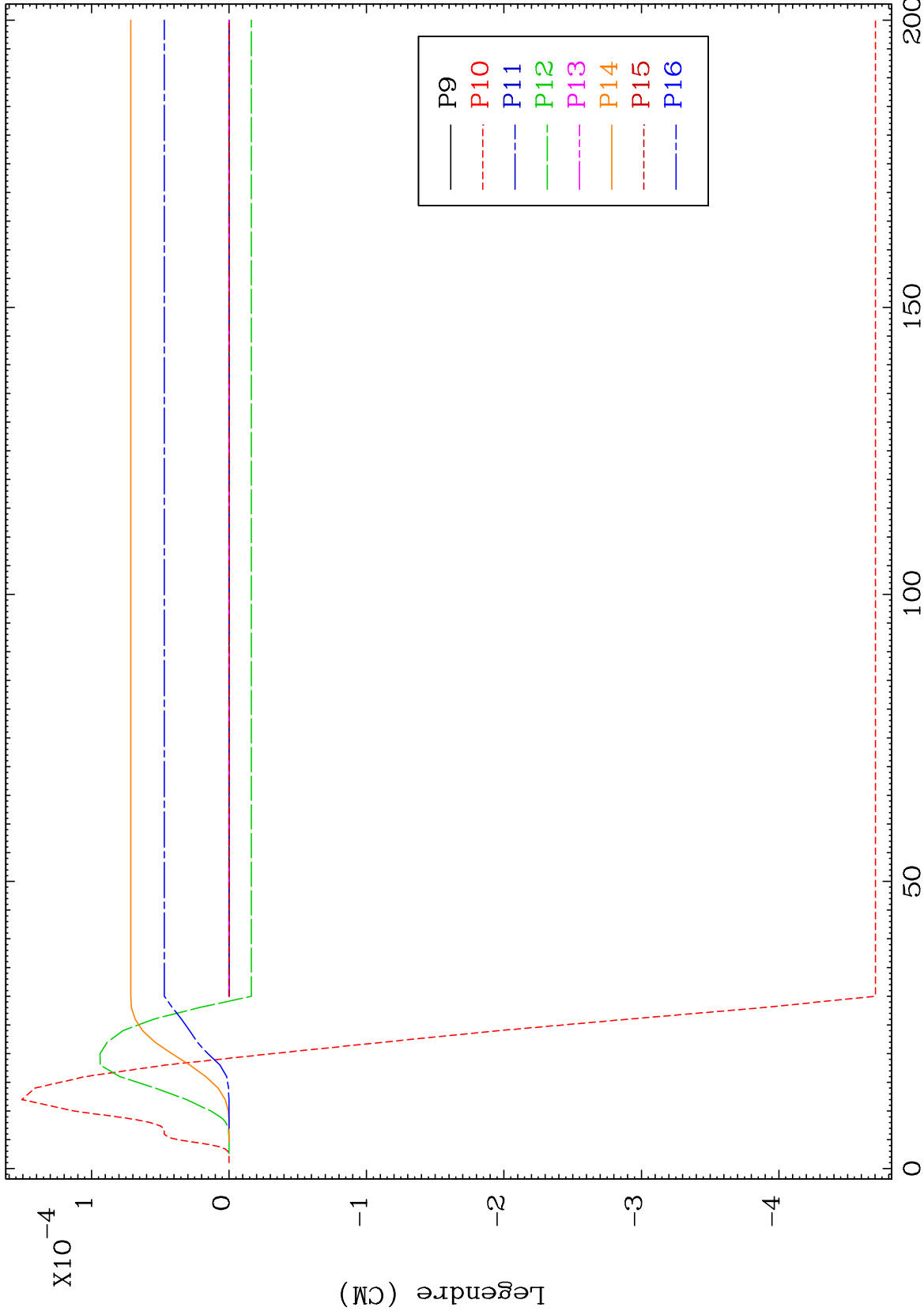
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



83

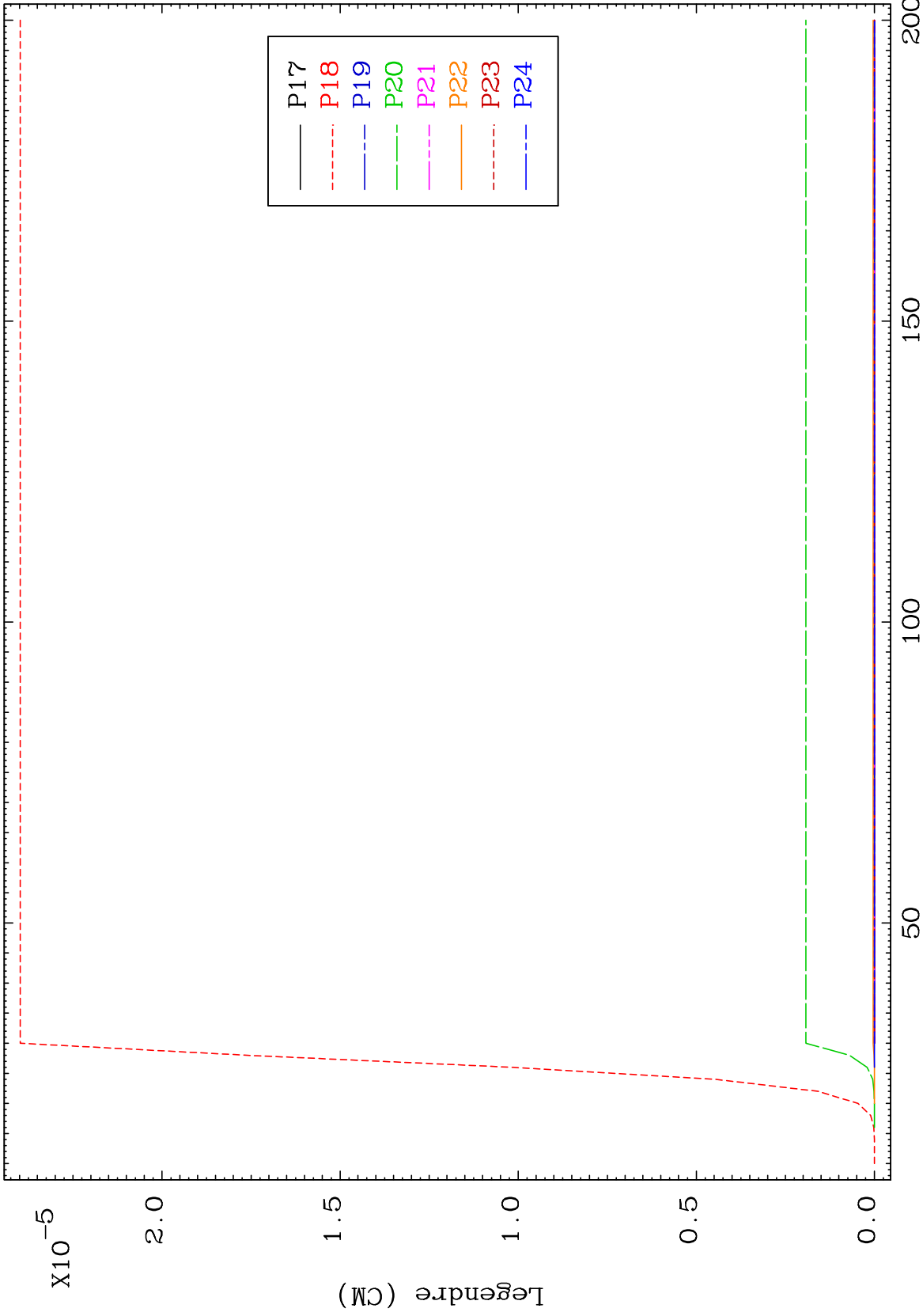
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



84

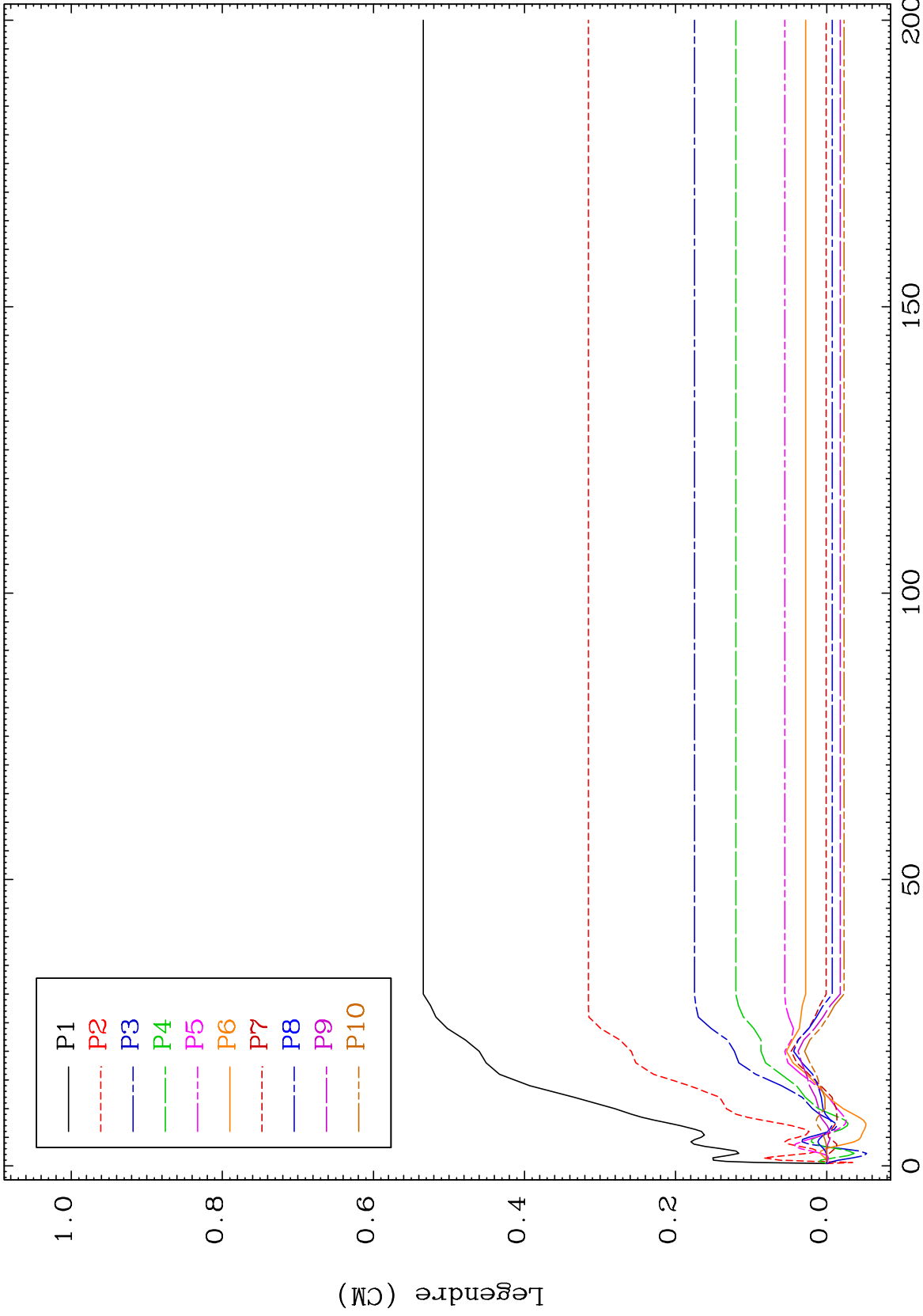
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



85

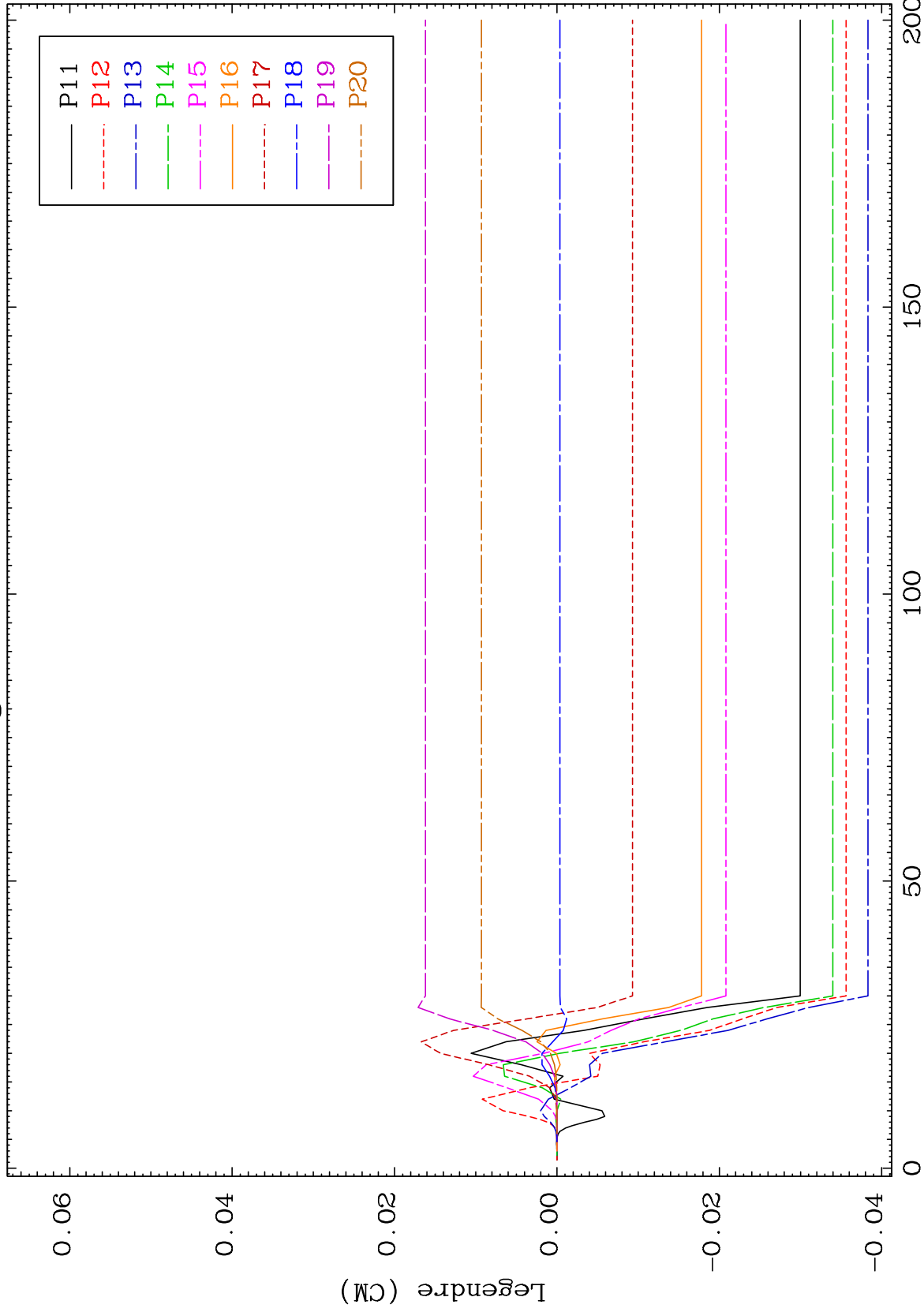
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



86

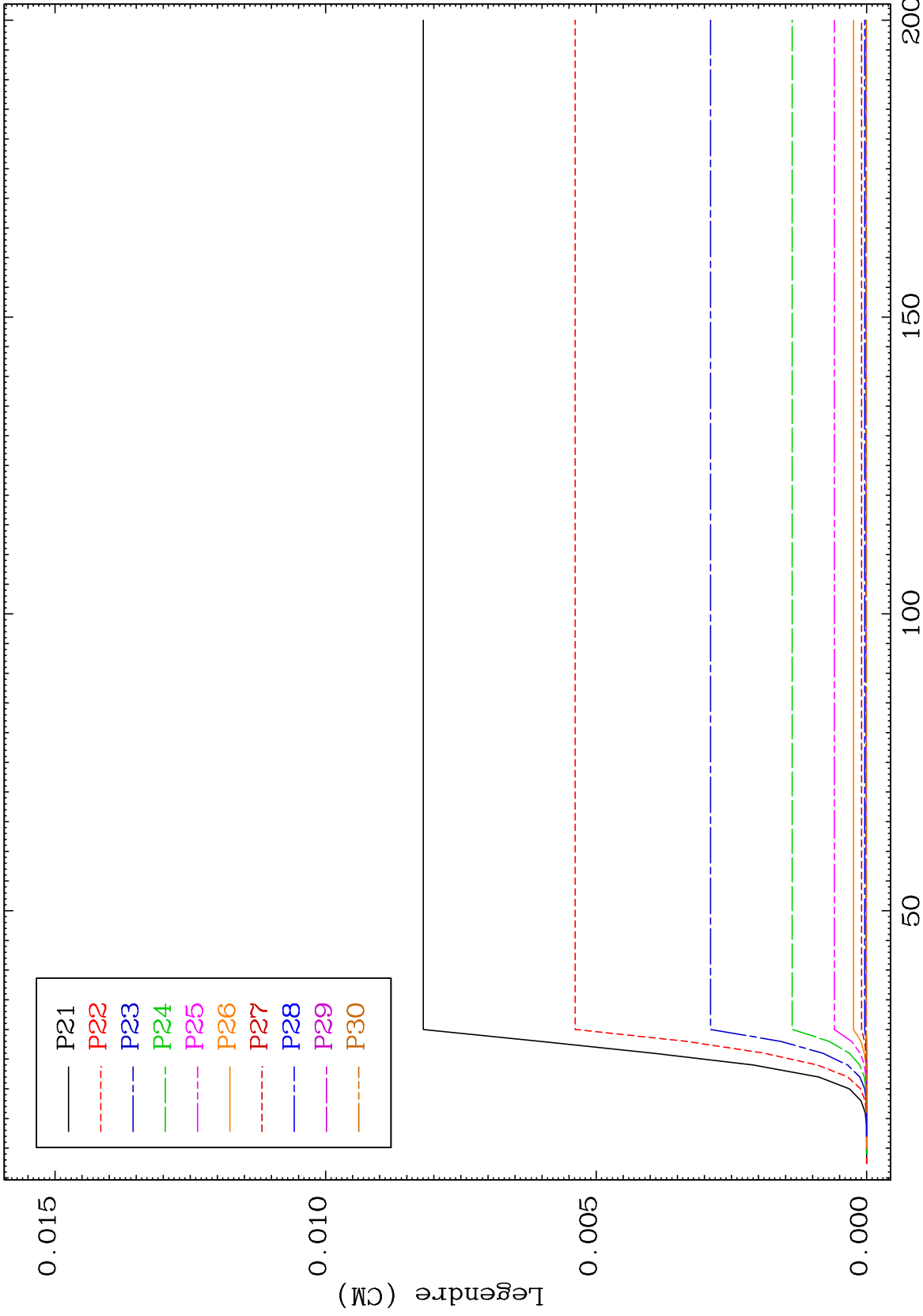
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



87

Incident Energy (MeV)

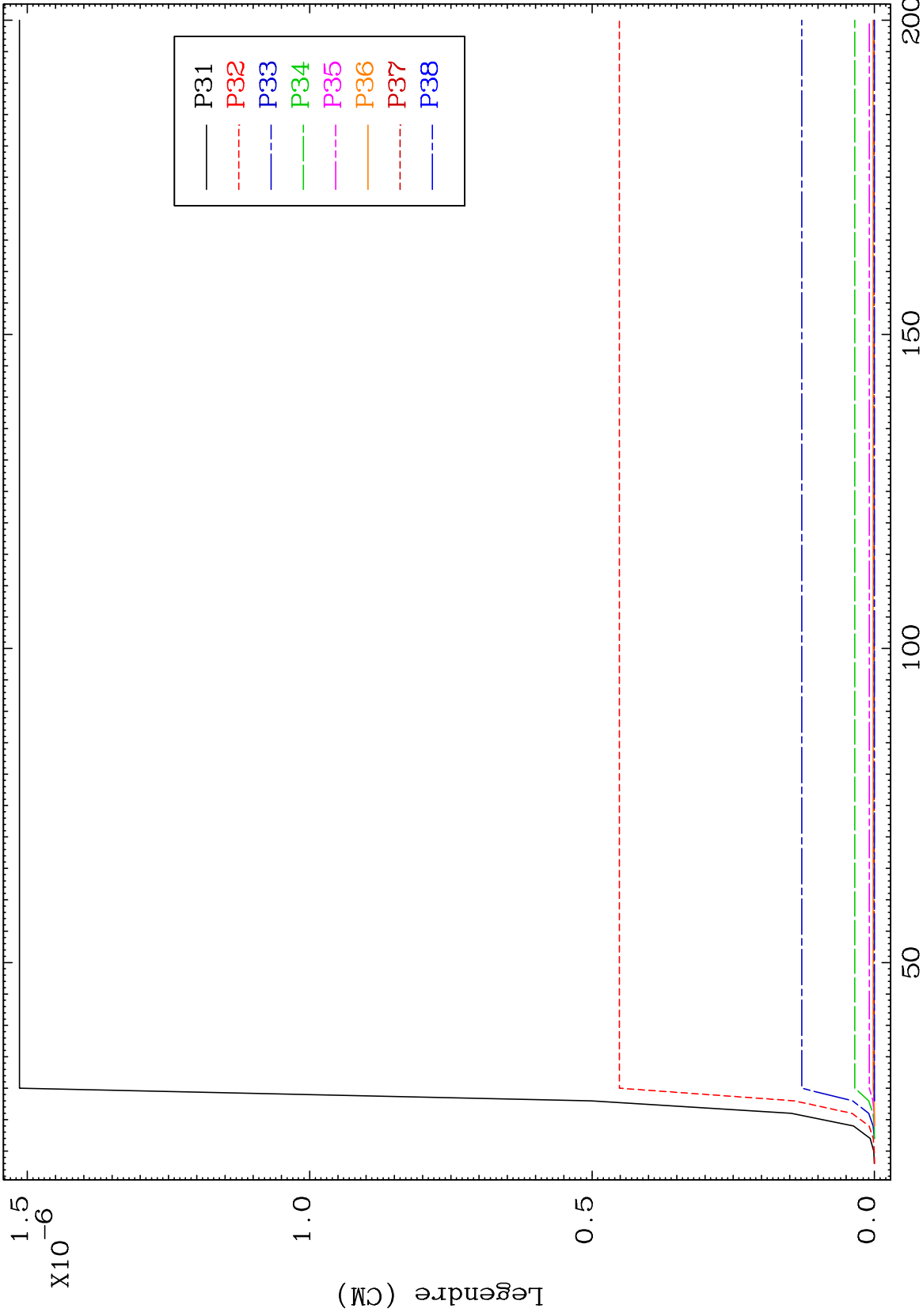
73-Ta-182



MAT 7331

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

73-Ta-182



88

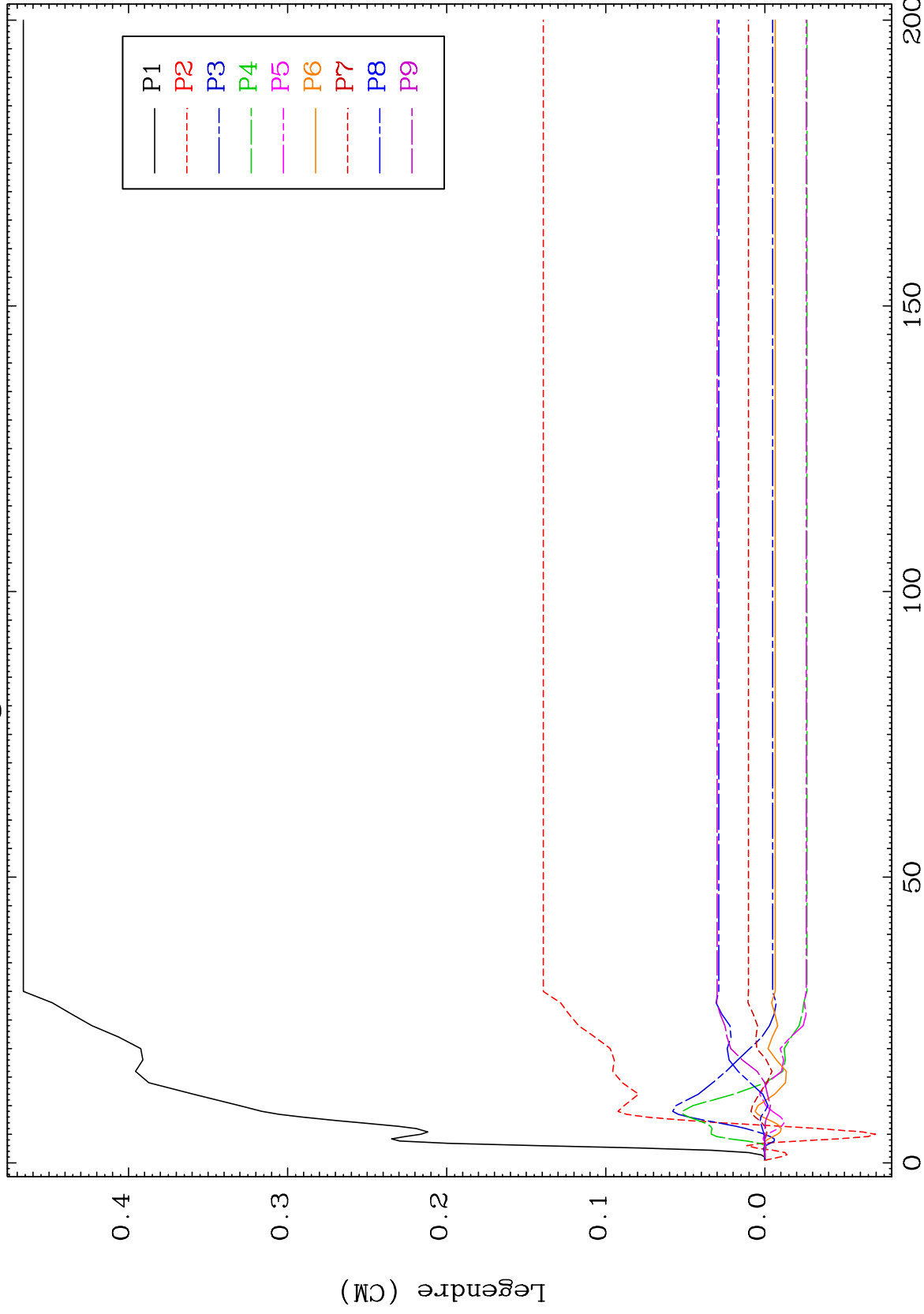
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



89

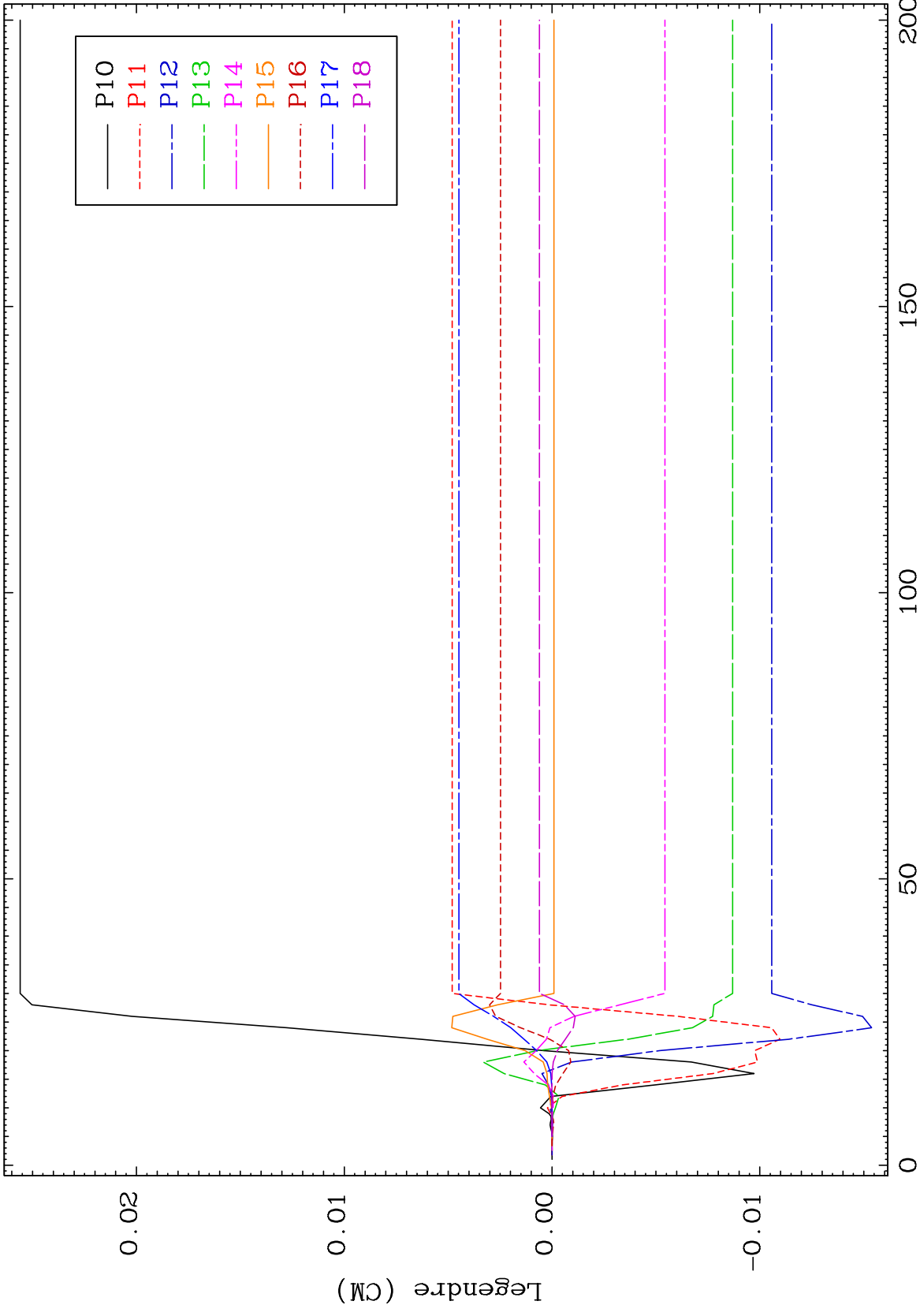
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



90

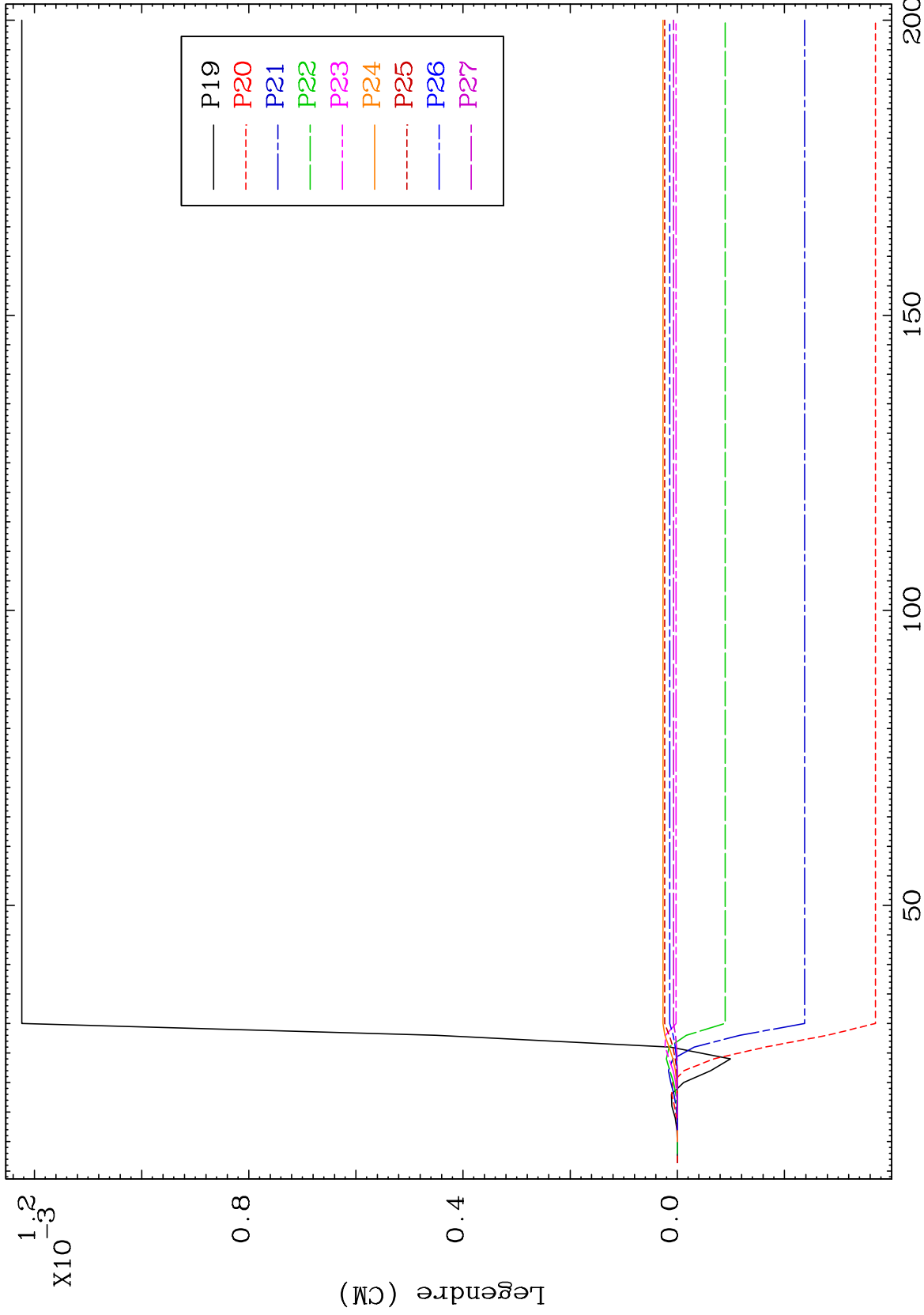
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



91

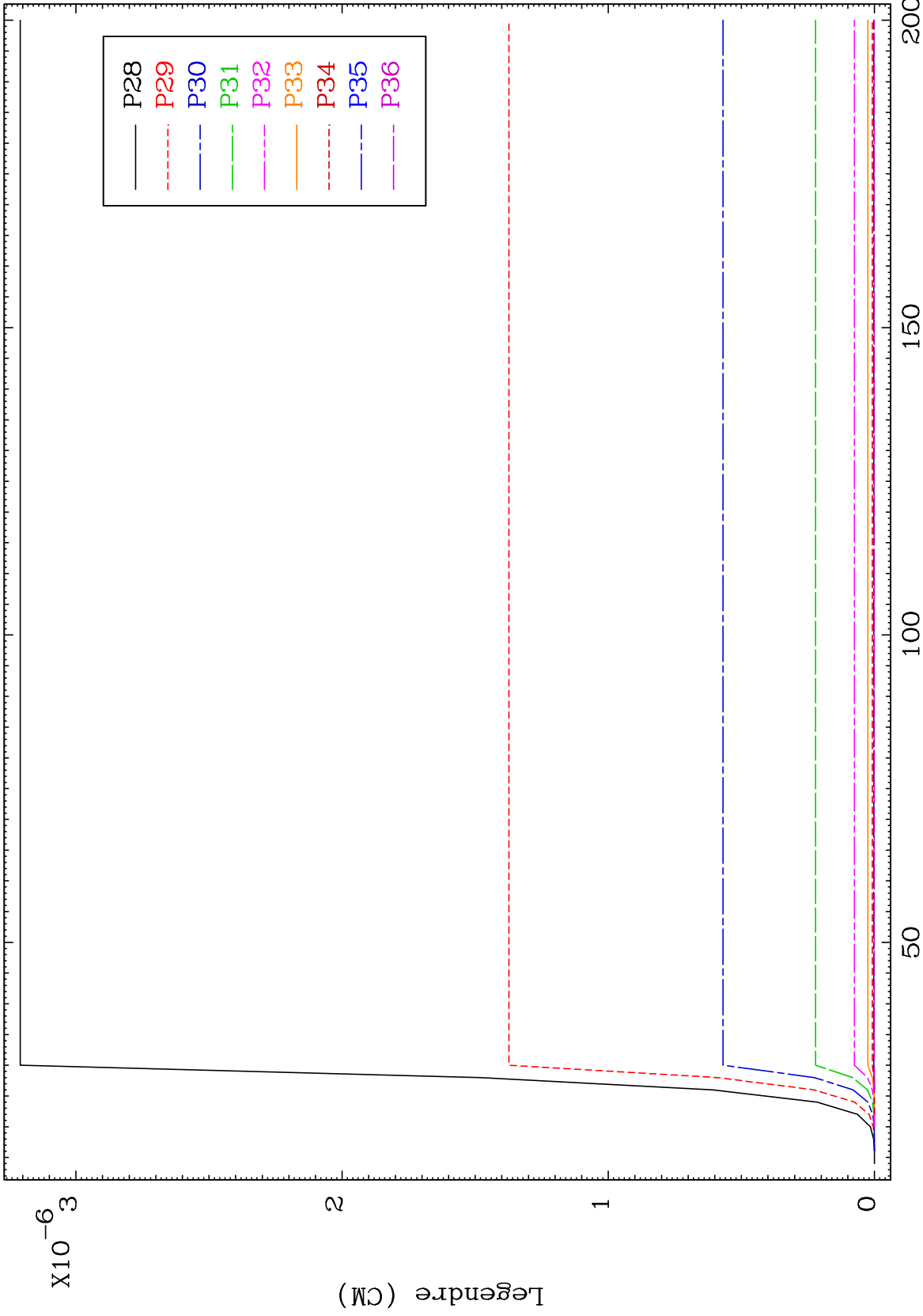
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



92

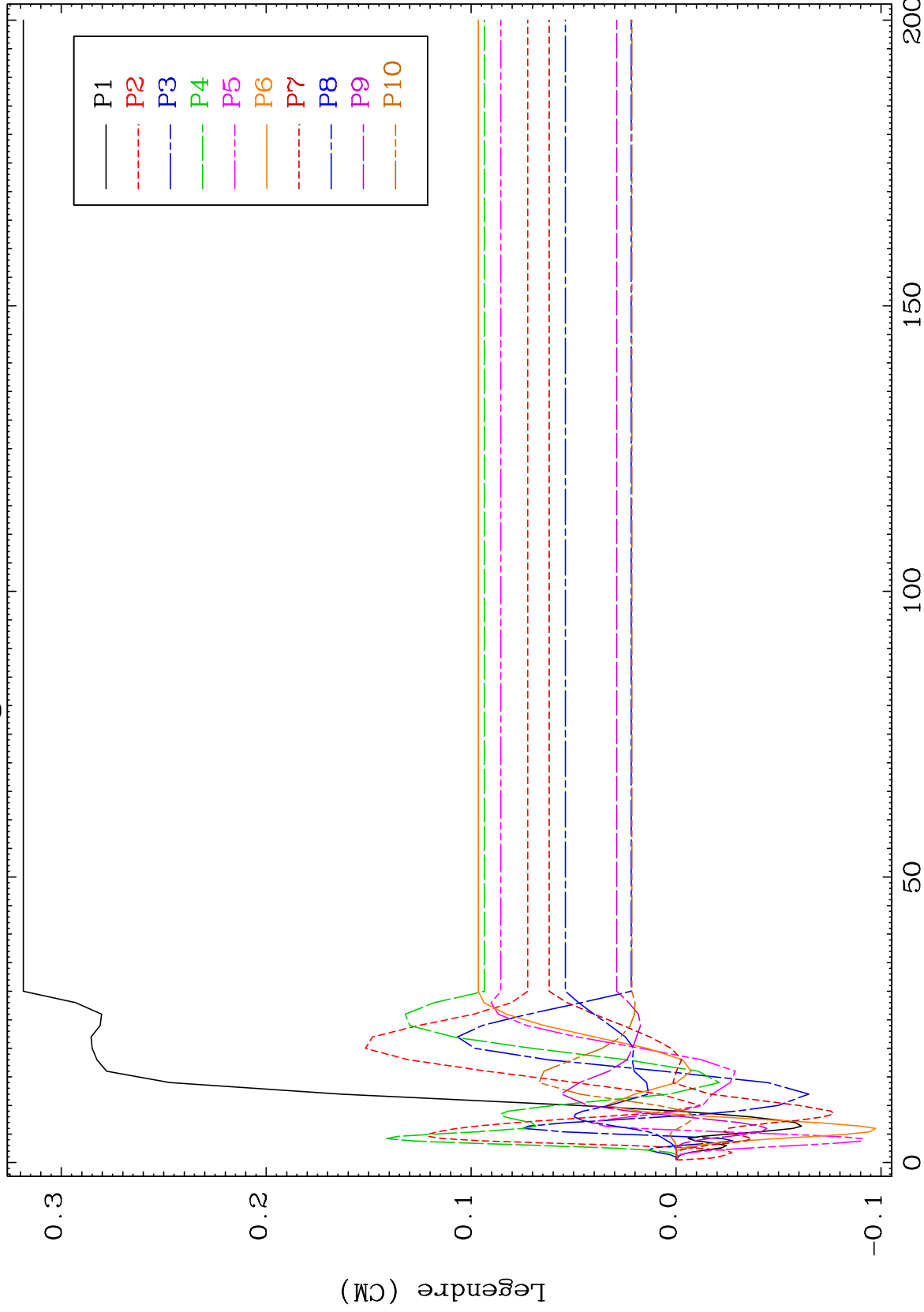
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



93

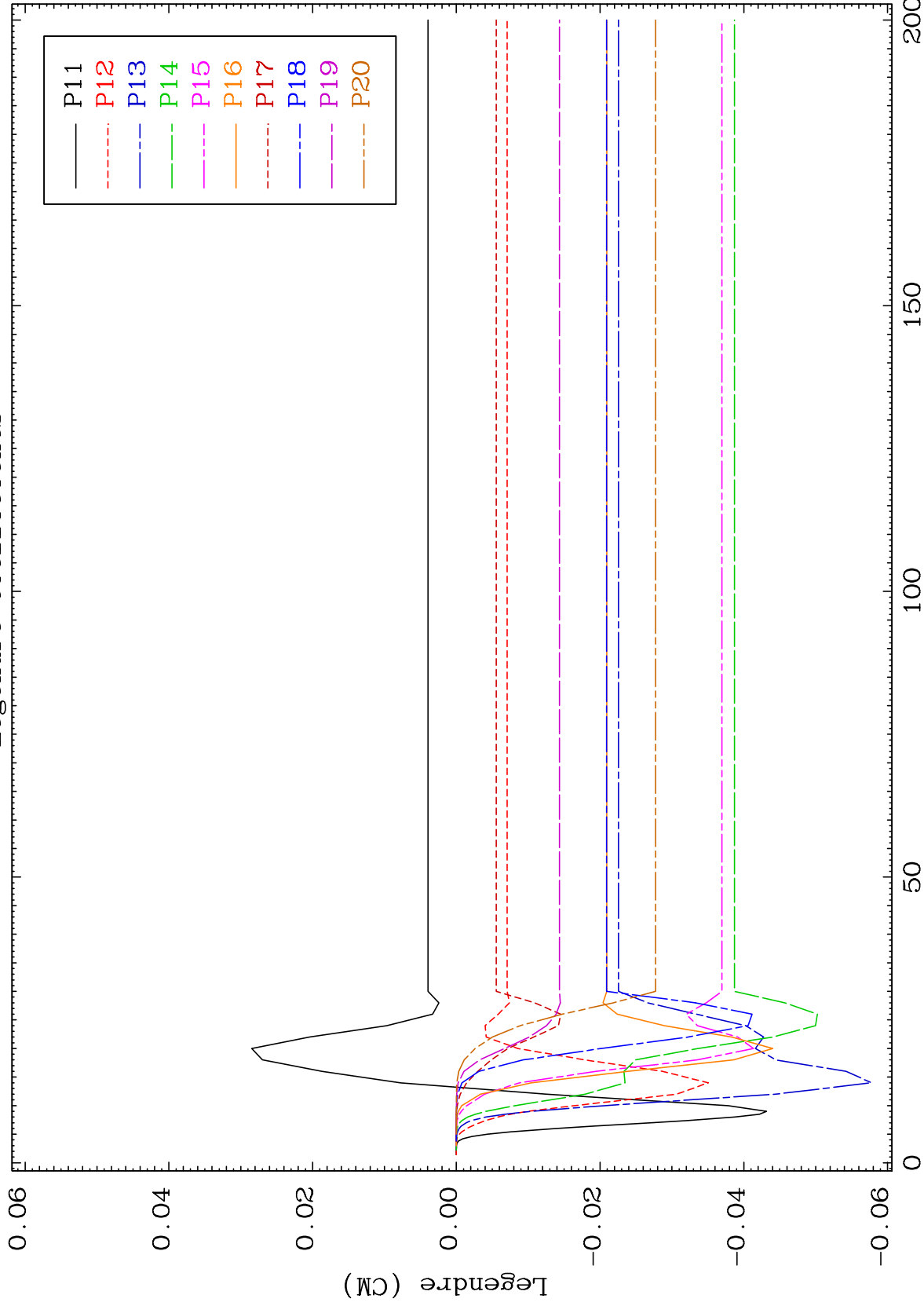
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

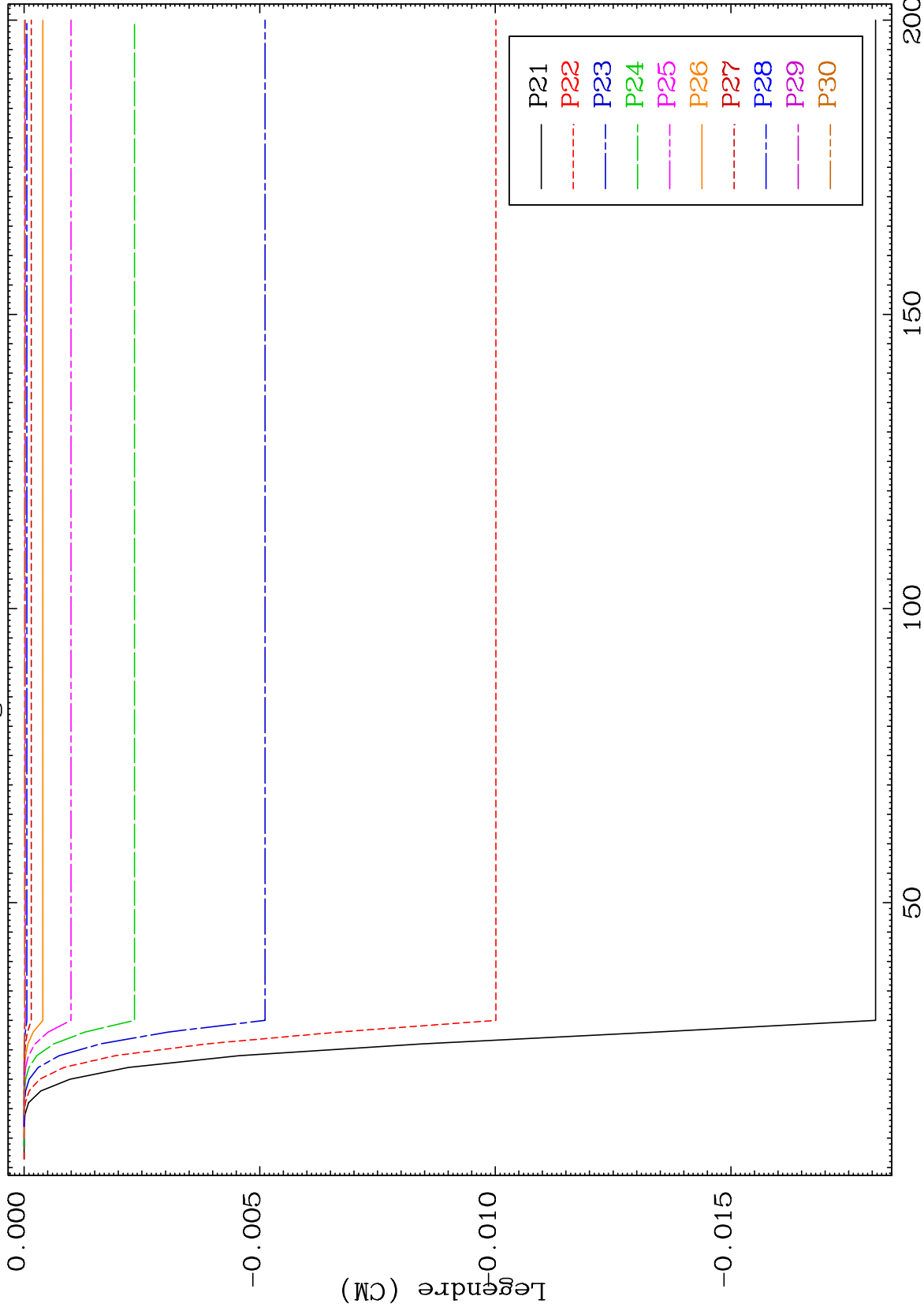
73-Ta-182



94

Incident Energy (MeV)

73-Ta-182

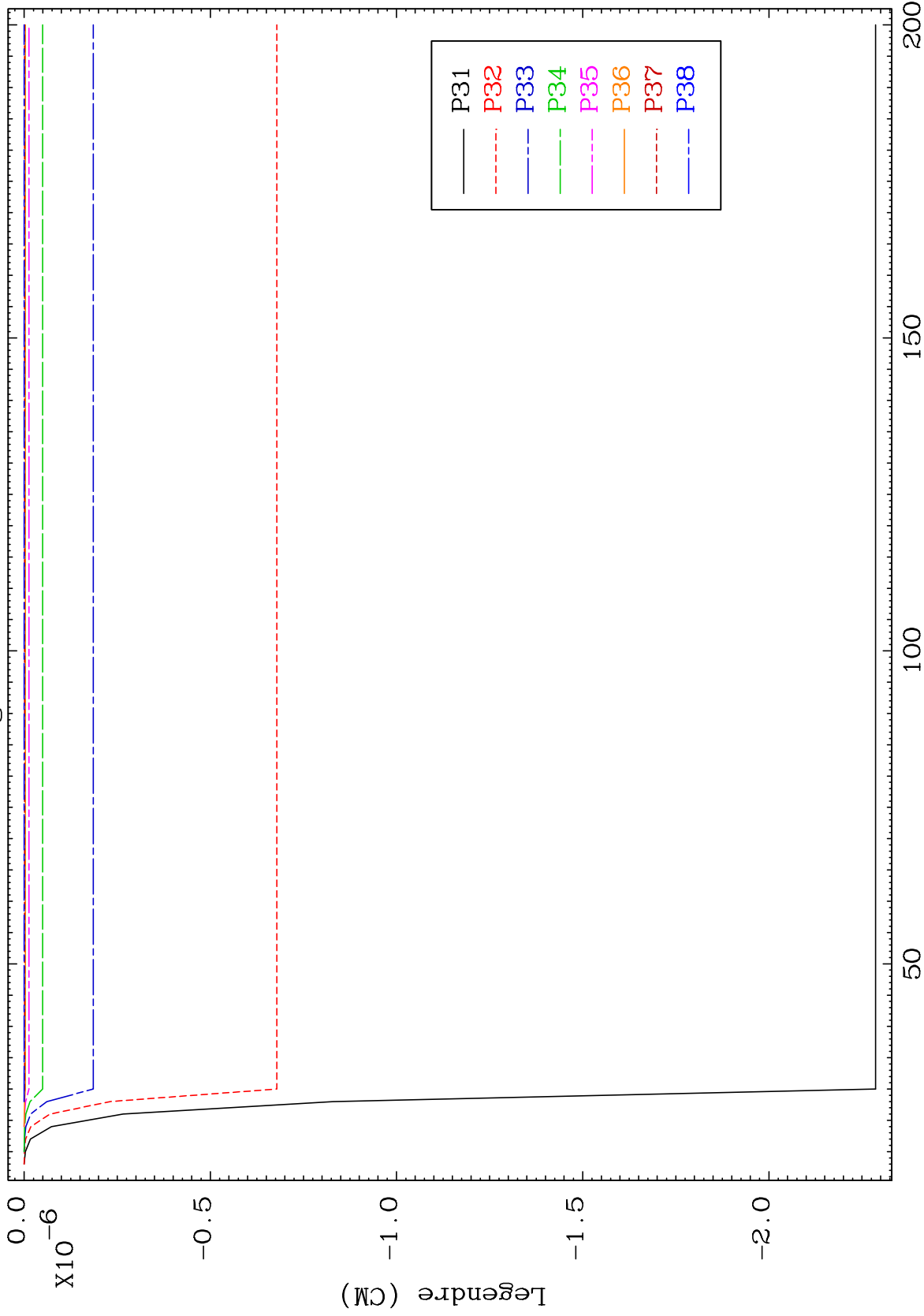




MAT 7331

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

73-Ta-182



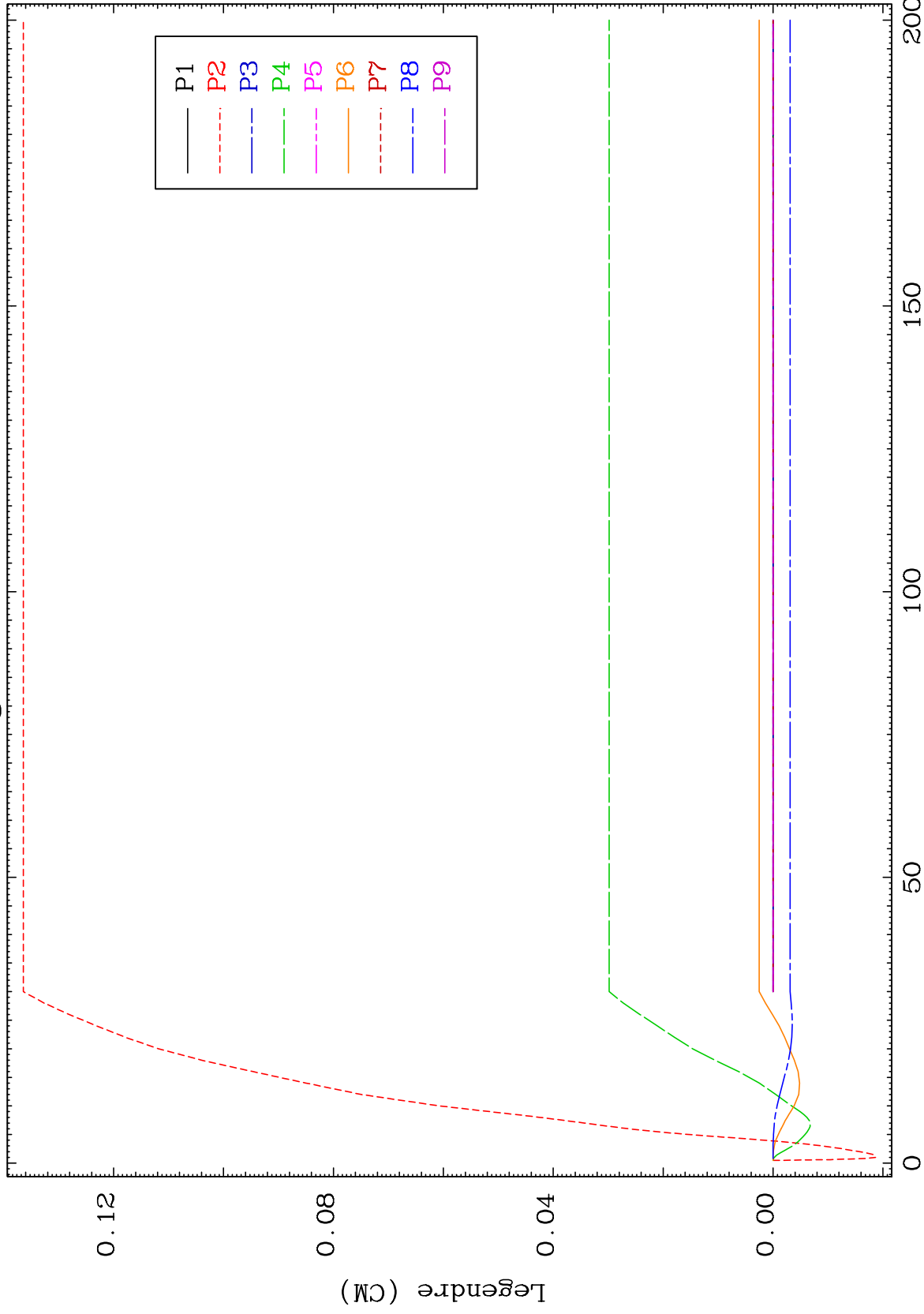
96

73-Ta-182

MAT 7331

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

73-Ta-182



97

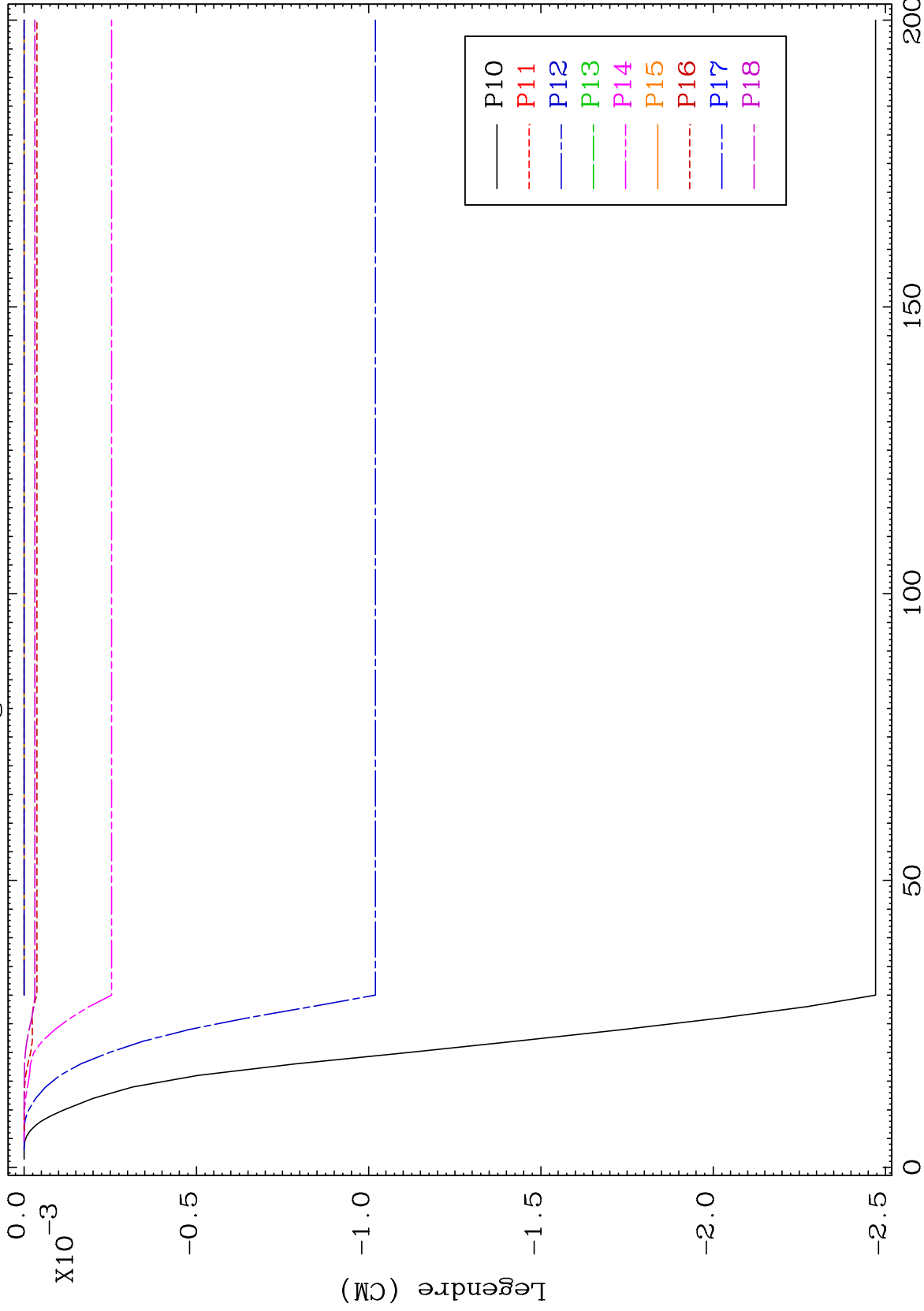
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



98

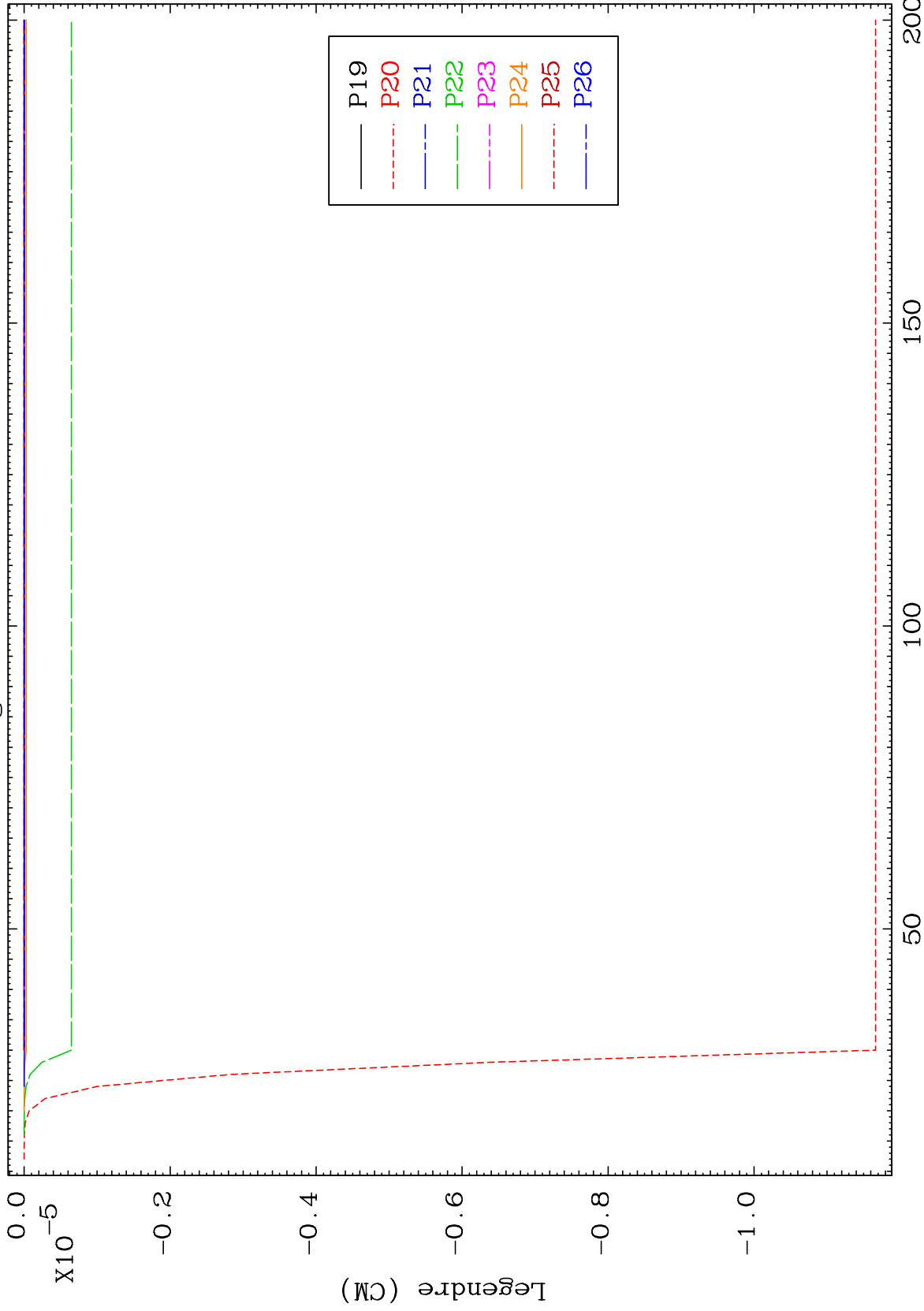
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



99

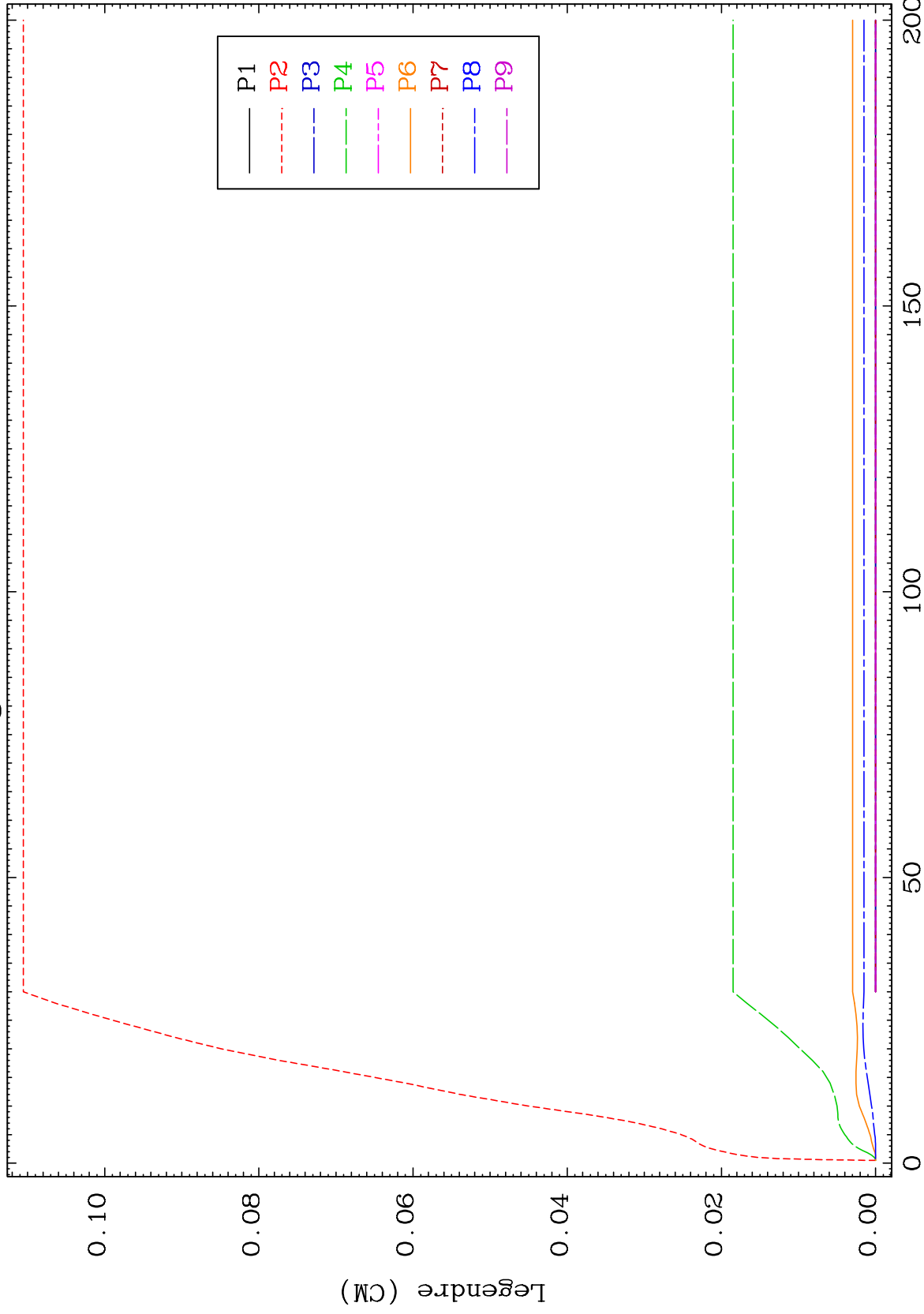
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



73-Ta-182

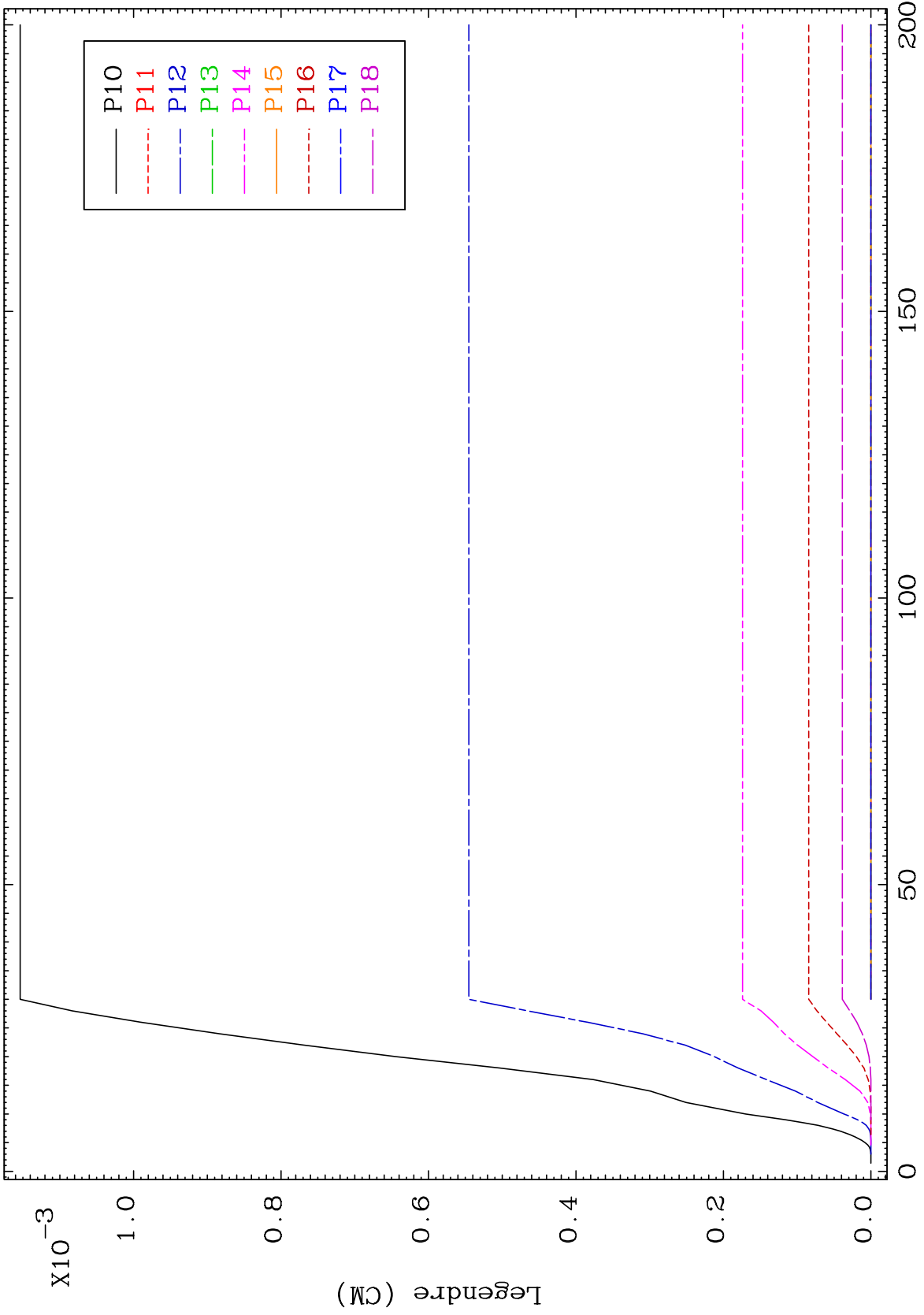
Incident Energy (MeV)

100

MAT 7331

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

73-Ta-182

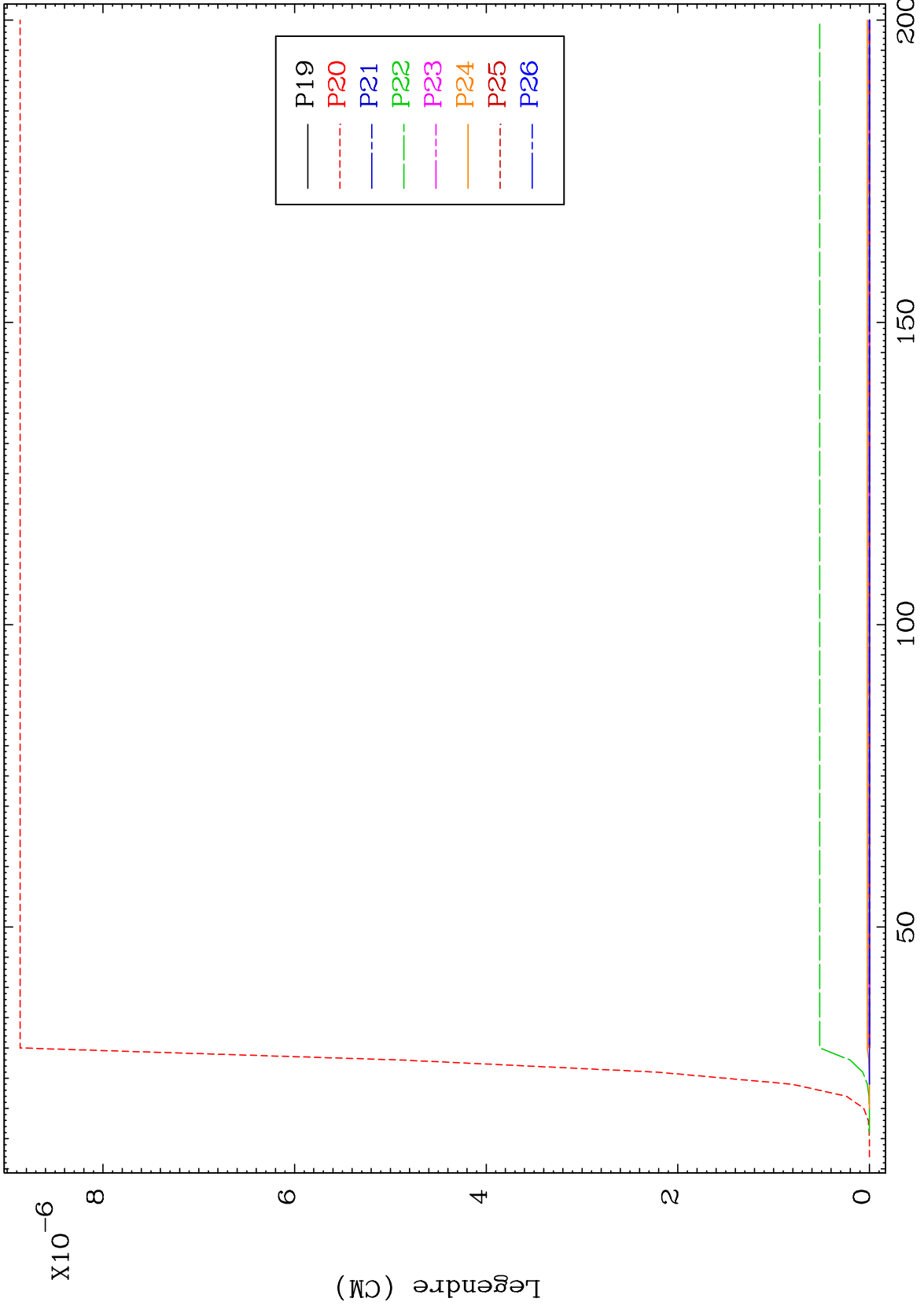


101

Incident Energy (MeV)

73-Ta-182

MAT 7331 MT= 74 (n,n') Level Legendre Coefficients 73-Ta-182

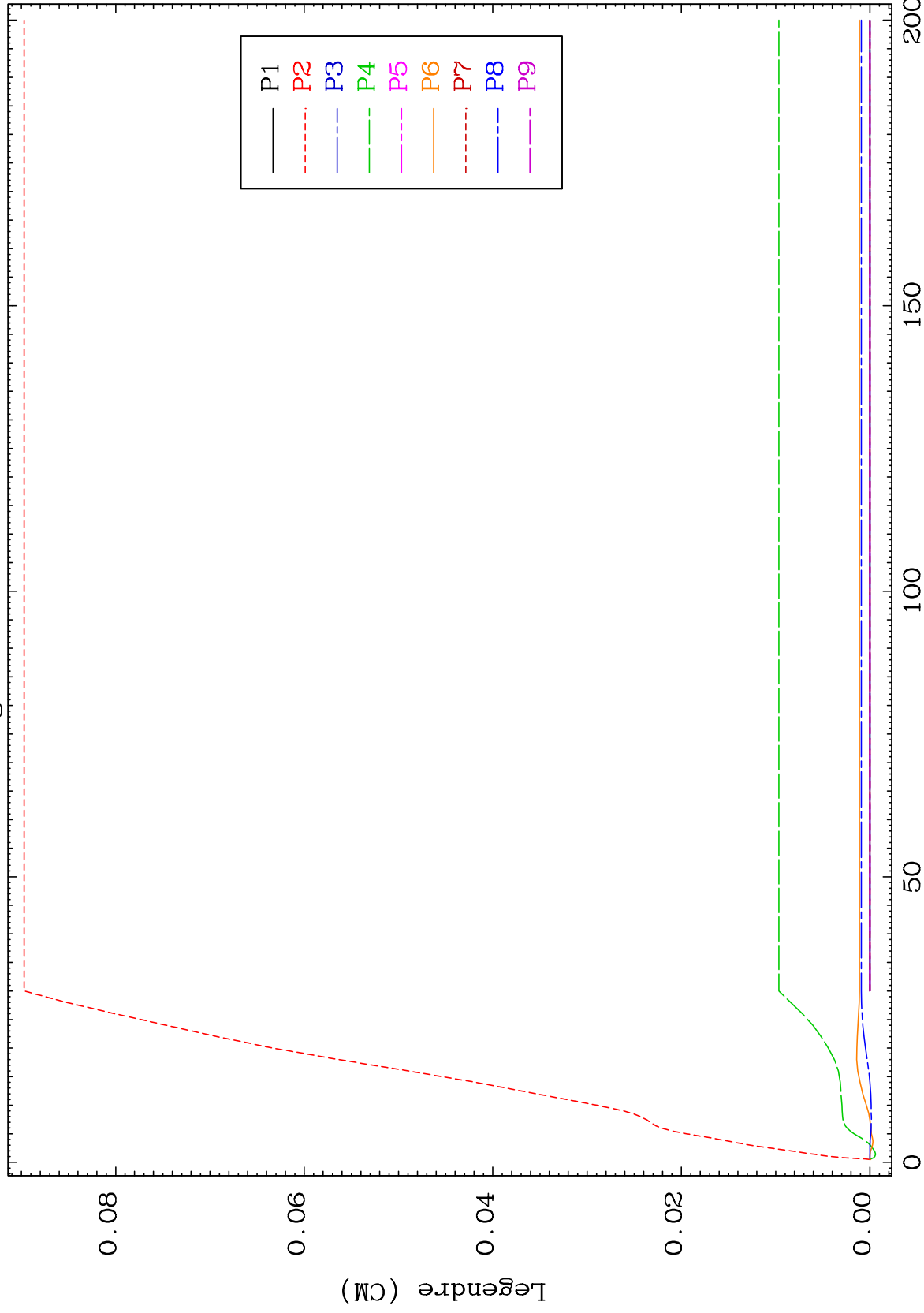


73-Ta-182

MAT 7331

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

73-Ta-182



73-Ta-182

Incident Energy (MeV)

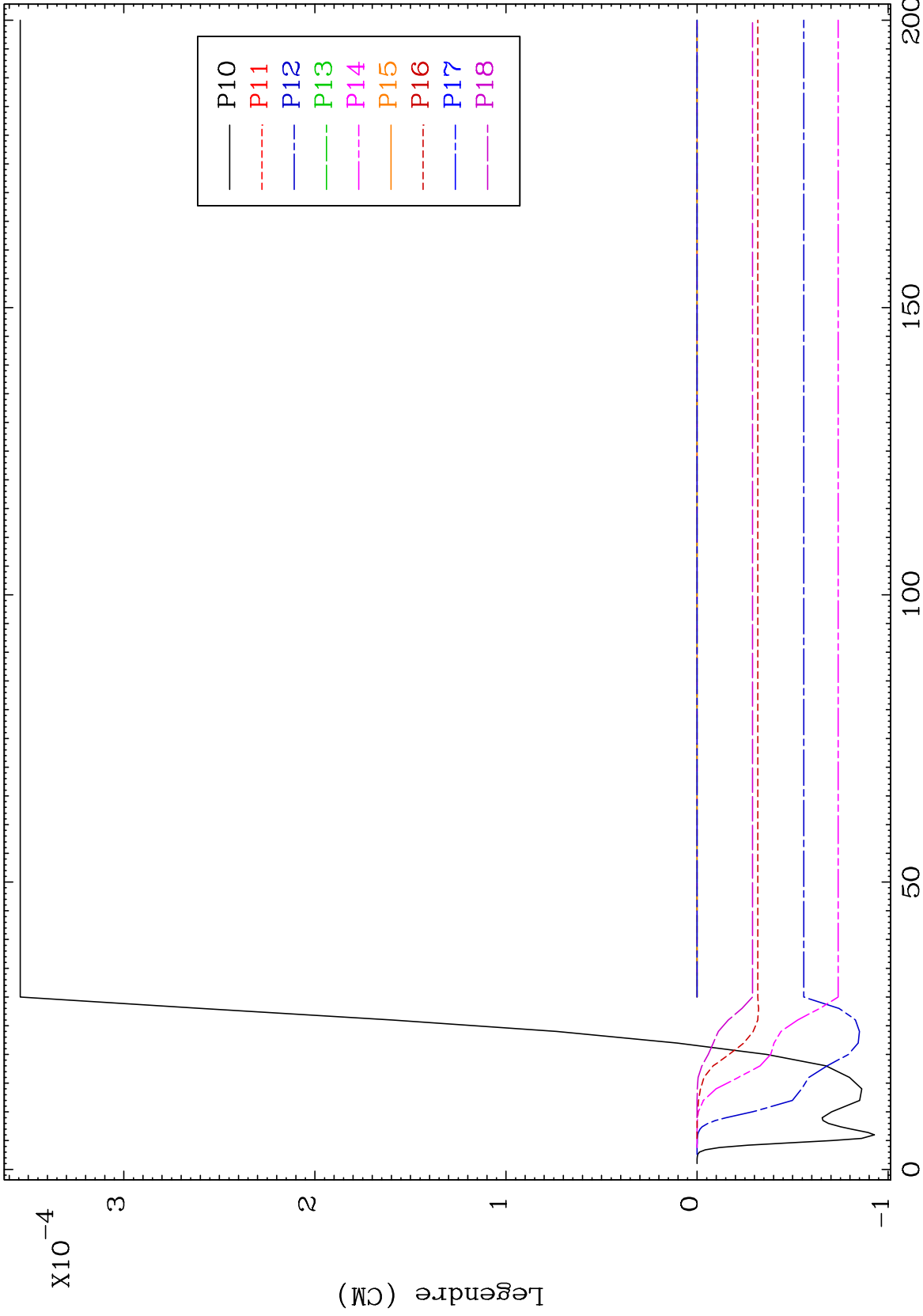
103



MAT 7331

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

<sup>73</sup>Ta-182

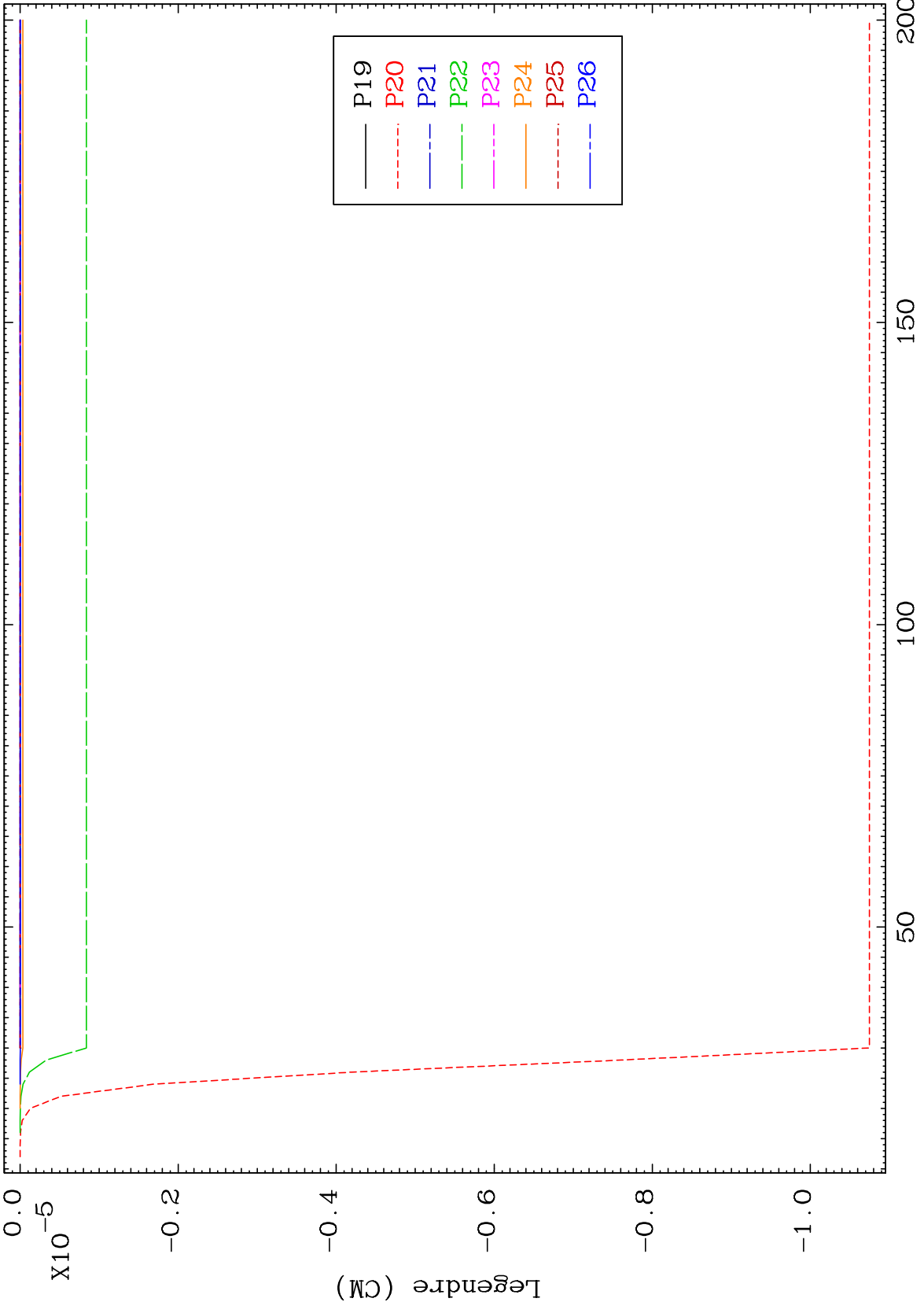


104

Incident Energy (MeV)

<sup>73</sup>Ta-182

MAT 7331 MT= 75 (n,n') Level Legendre Coefficients 73-Ta-182

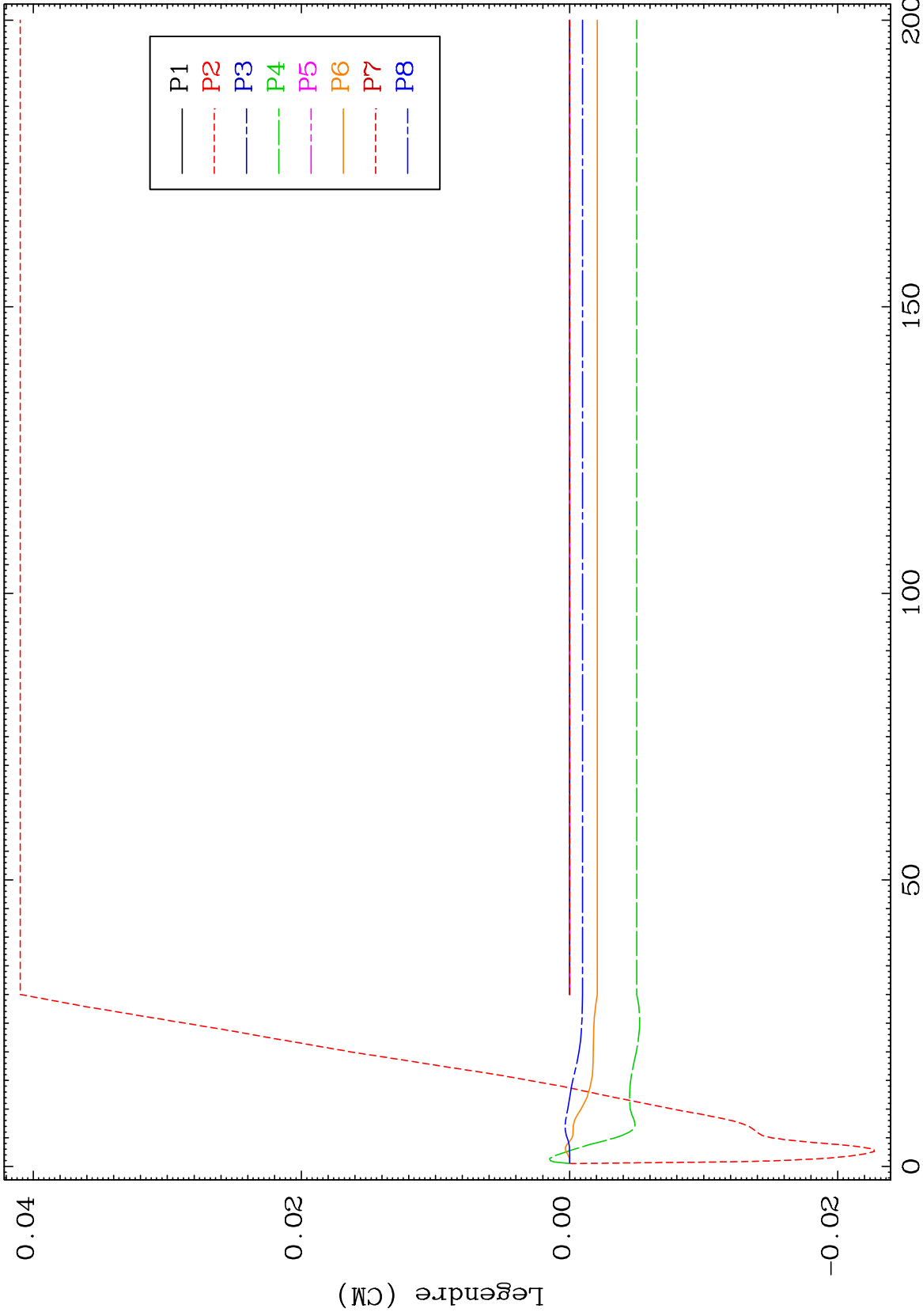


105 Incident Energy (MeV) 200 73-Ta-182

MAT 7331

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

73-Ta-182



73-Ta-182

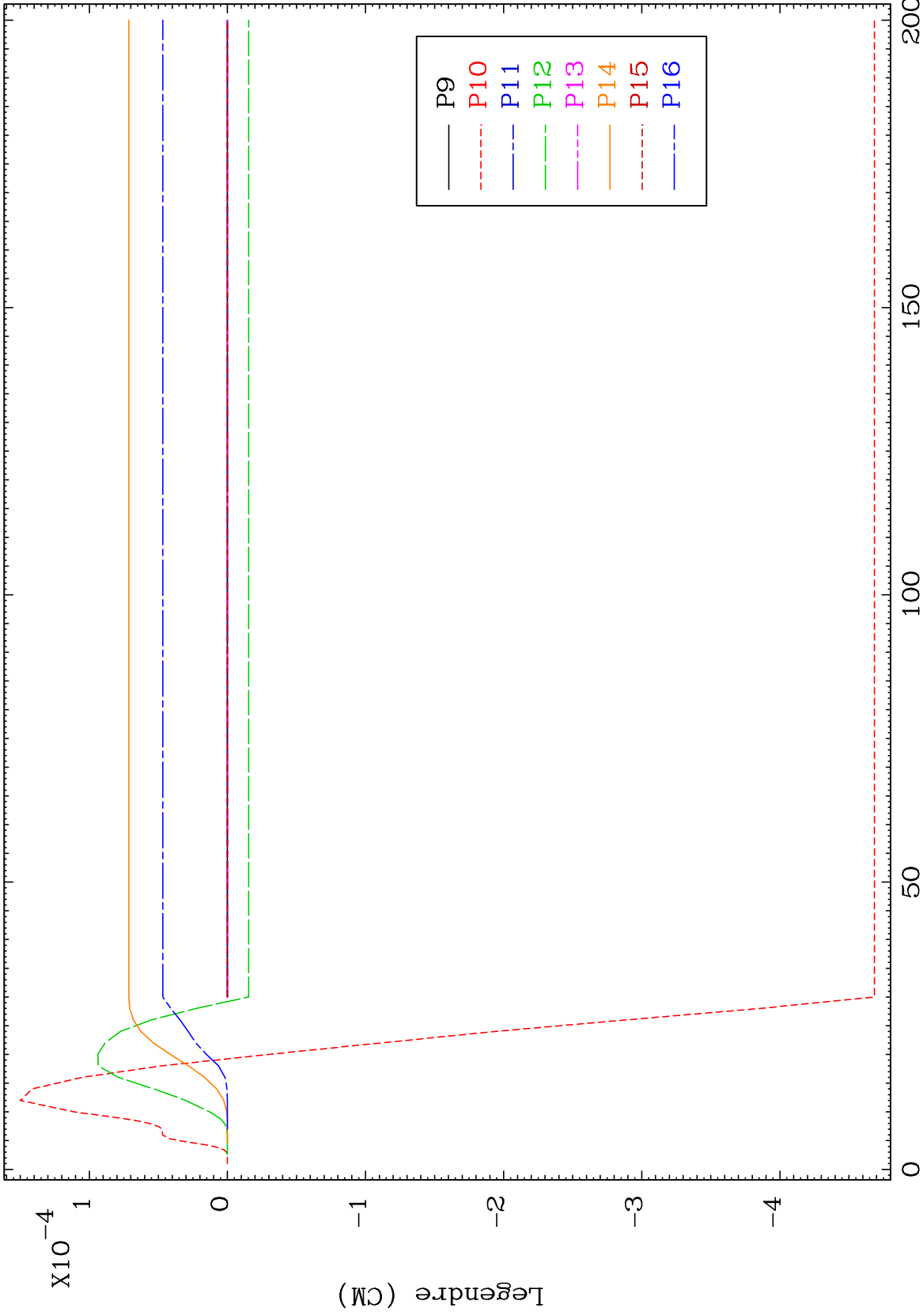
Incident Energy (MeV)

106

MAT 7331

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

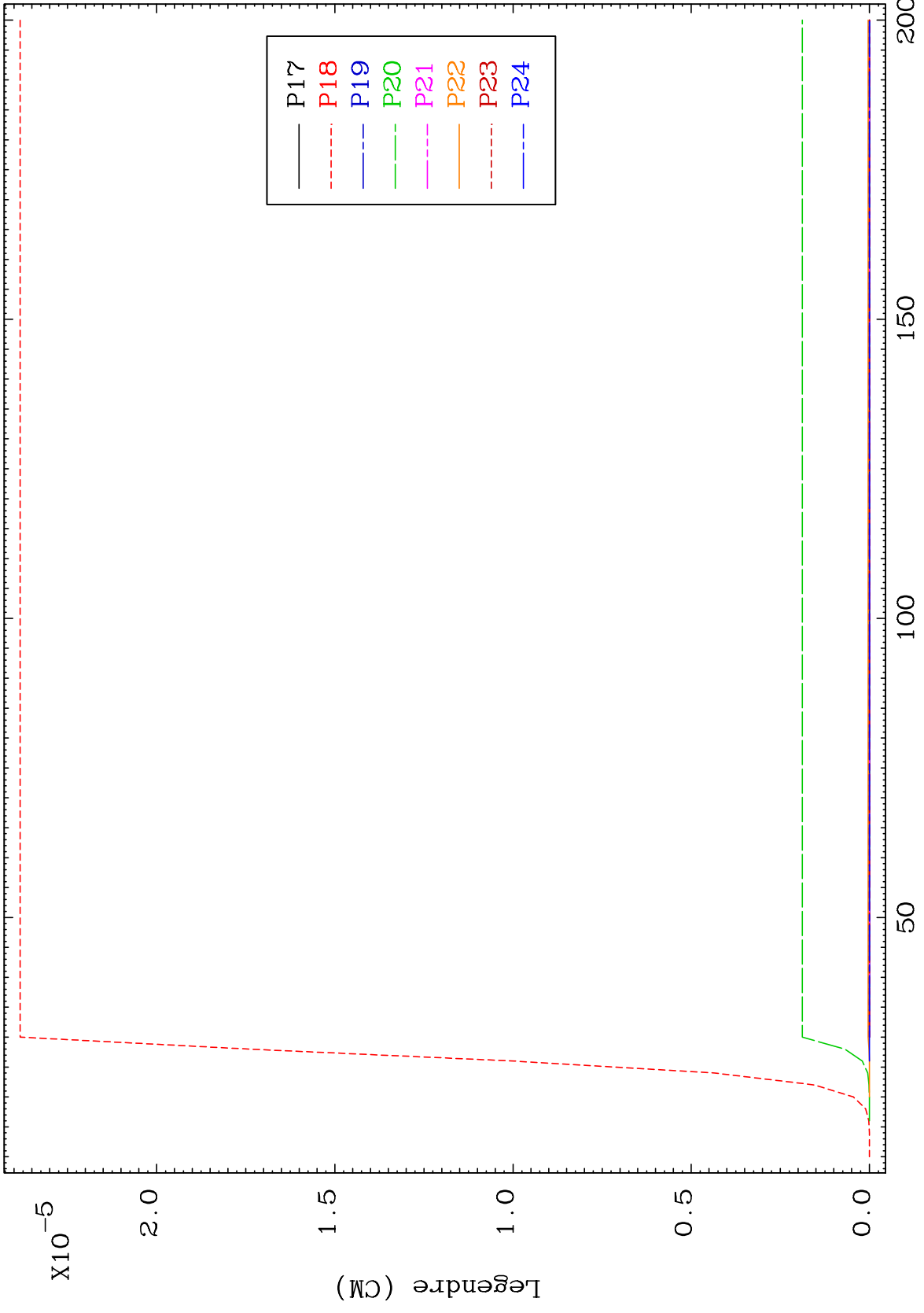
73-Ta-182



107

73-Ta-182

MAT 7331 MT= 76 (n,n') Level Legendre Coefficients 73-Ta-182

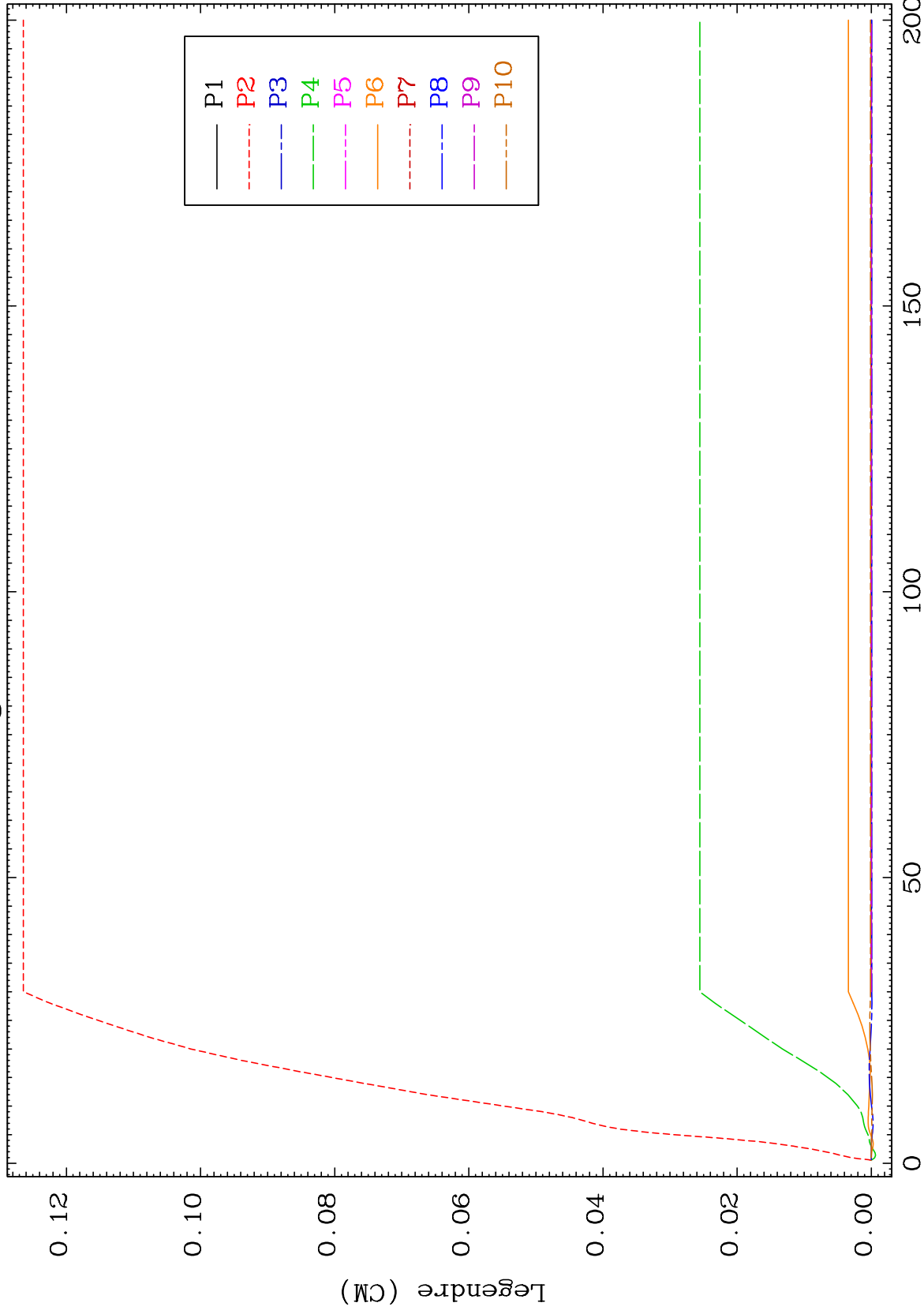


108 50 100 150 200 73-Ta-182

MAT 7331

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

73-Ta-182



109

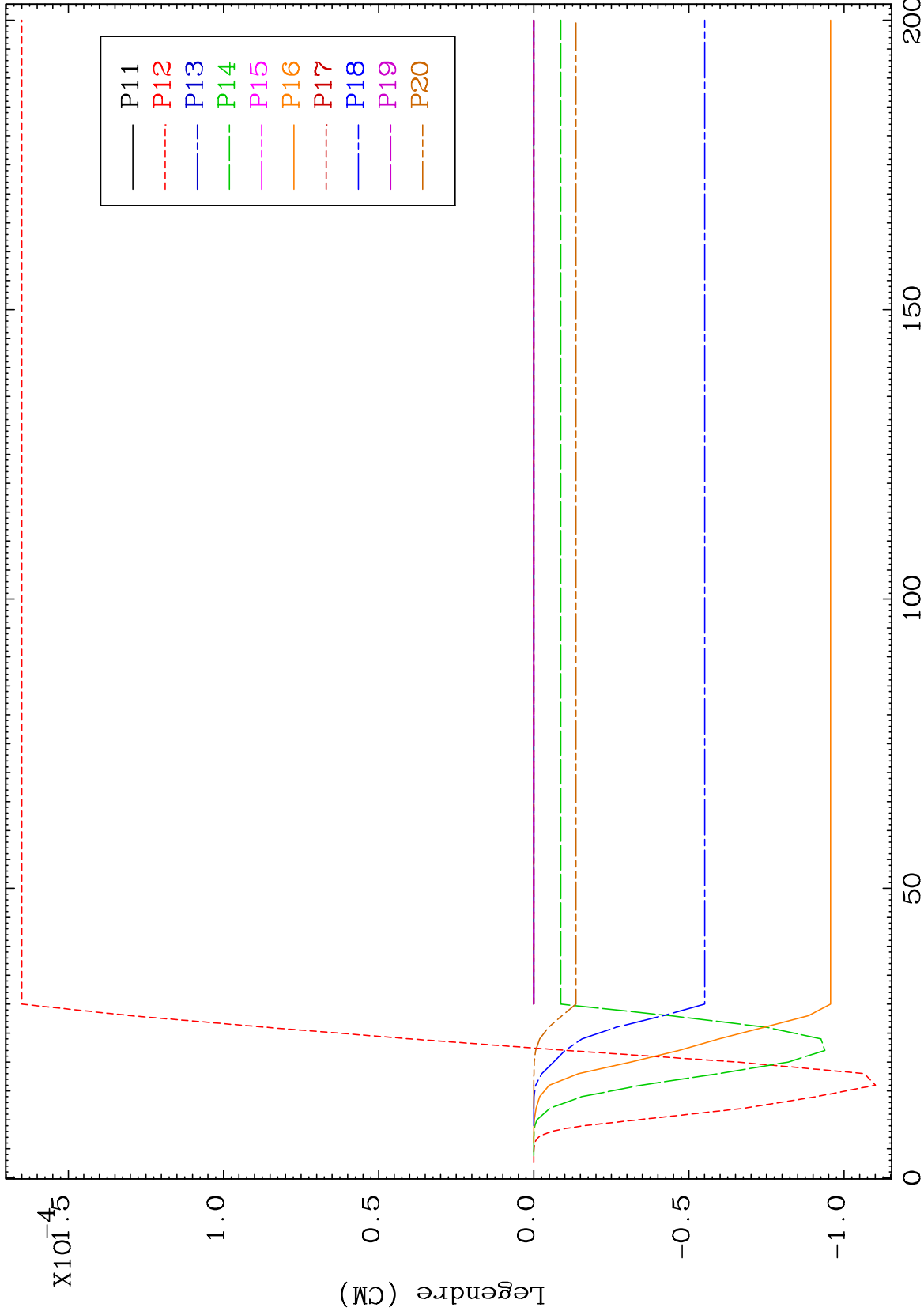
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



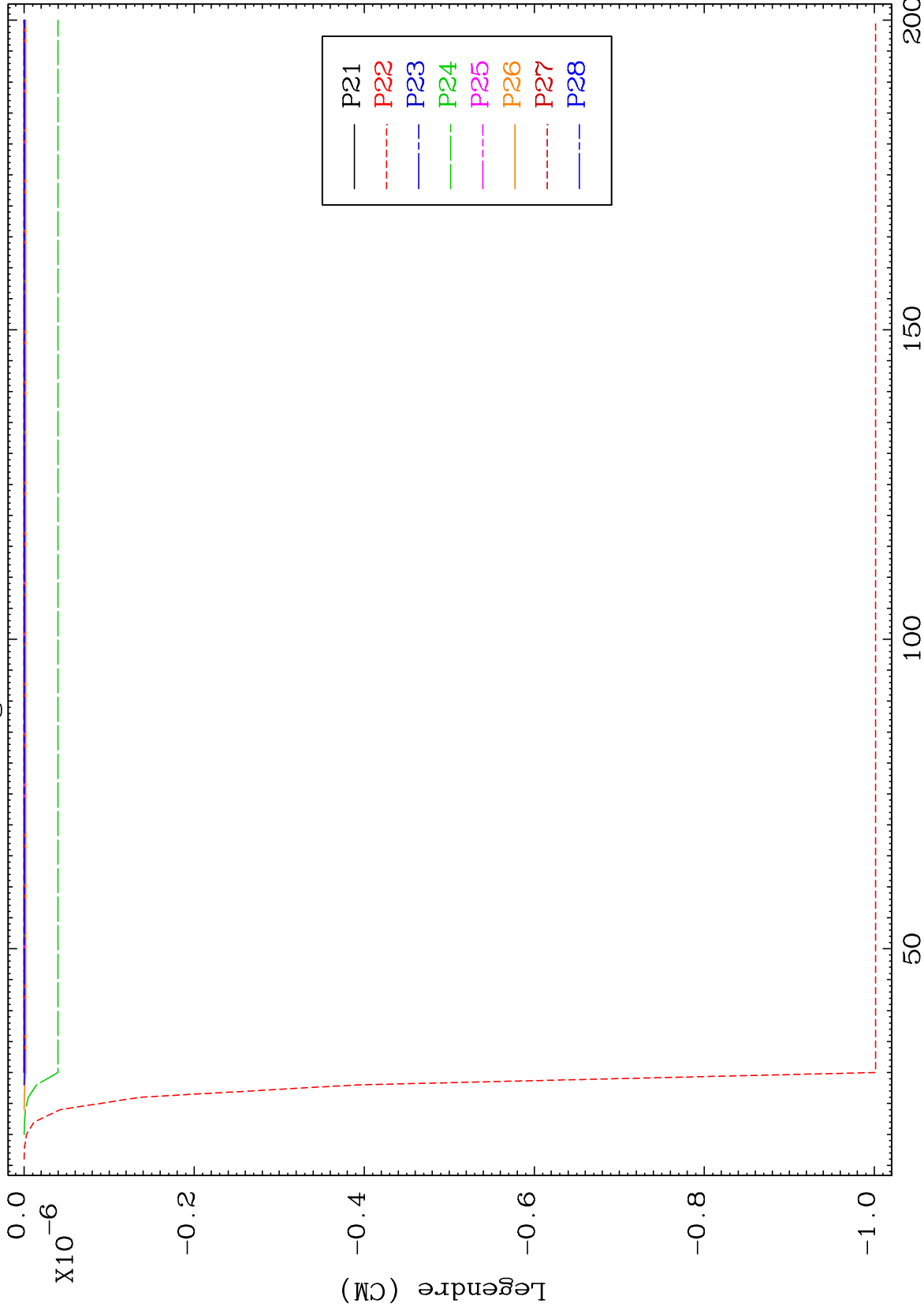
110

73-Ta-182

MAT 7331

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

73-Ta-182



111

Incident Energy (MeV)

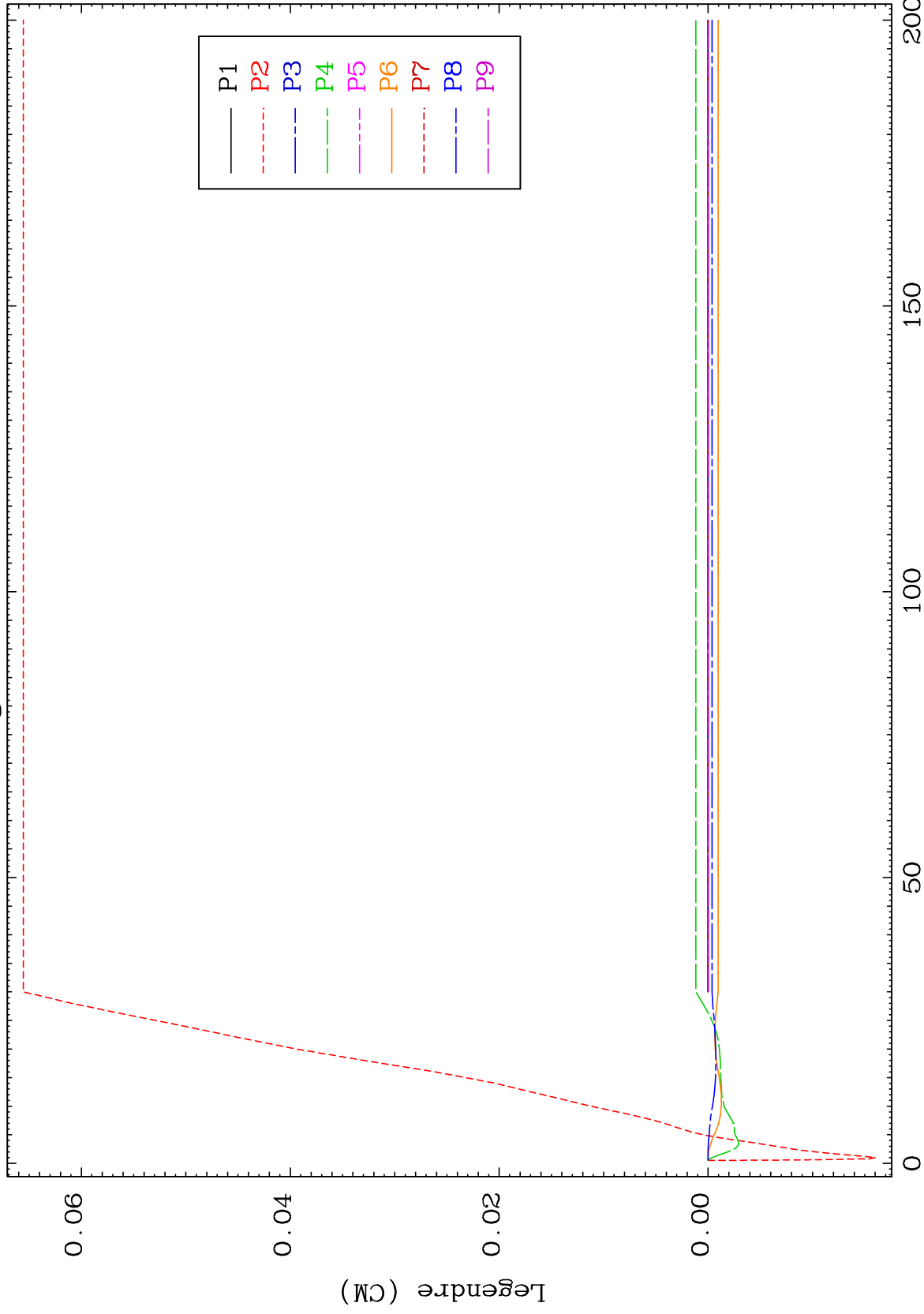
73-Ta-182



MAT 7331

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

73-Ta-182

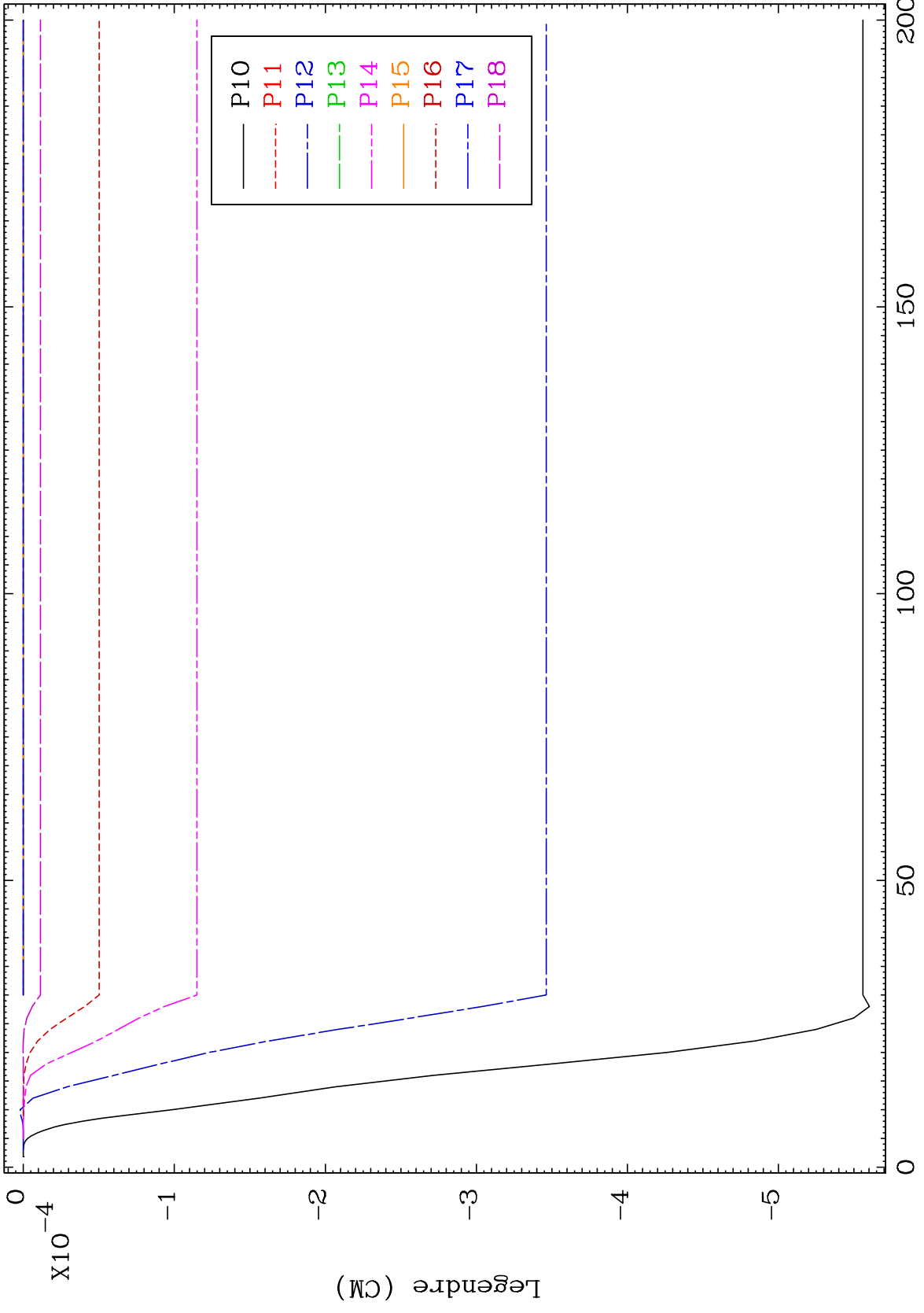


112

Incident Energy (MeV)

73-Ta-182

MAT 7331 MT= 78 (n,n') Level Legendre Coefficients 73-Ta-182

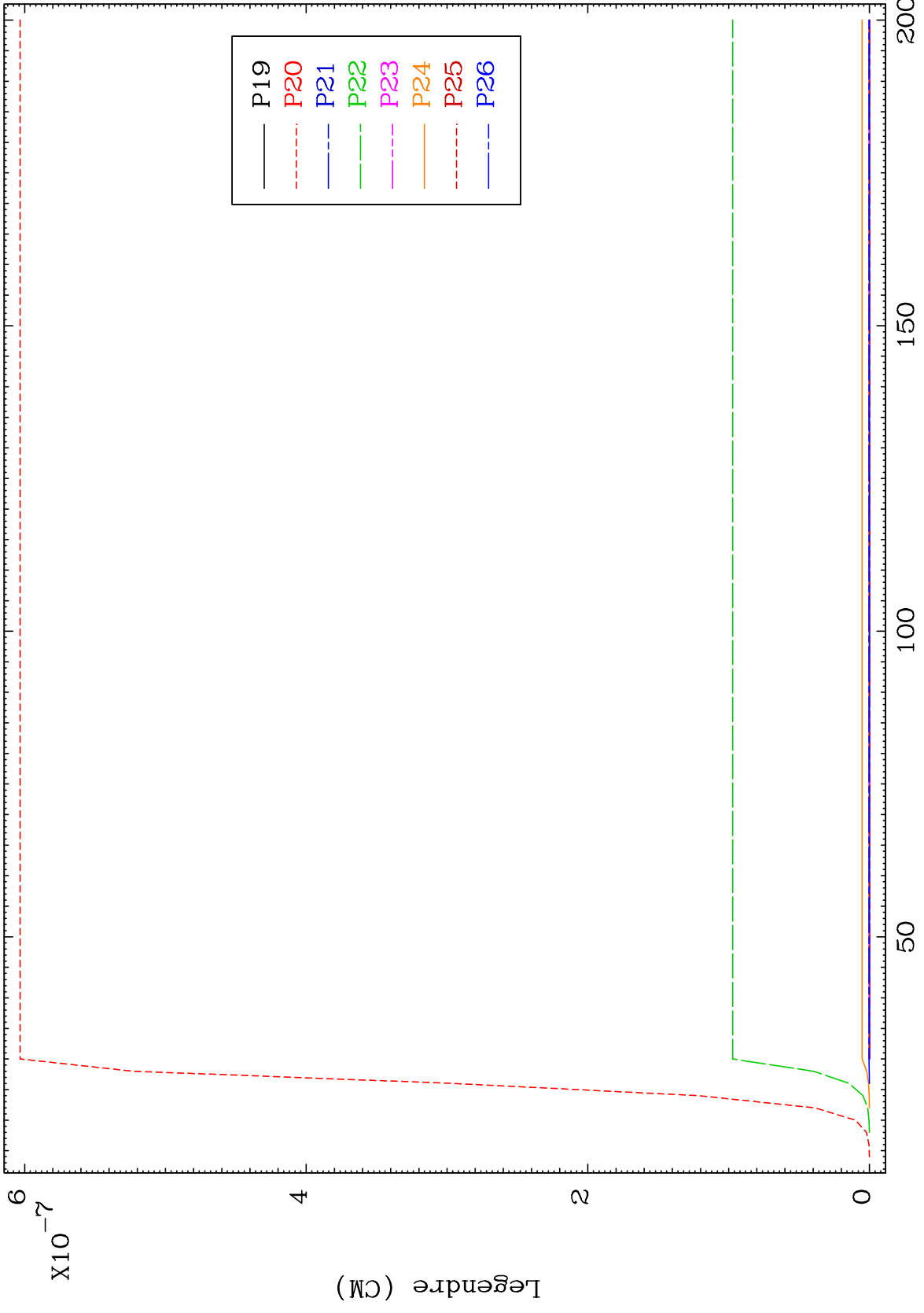


113 73-Ta-182

MAT 7331 MT= 78 (n,n') Level Legendre Coefficients

73-Ta-182

73-Ta-182

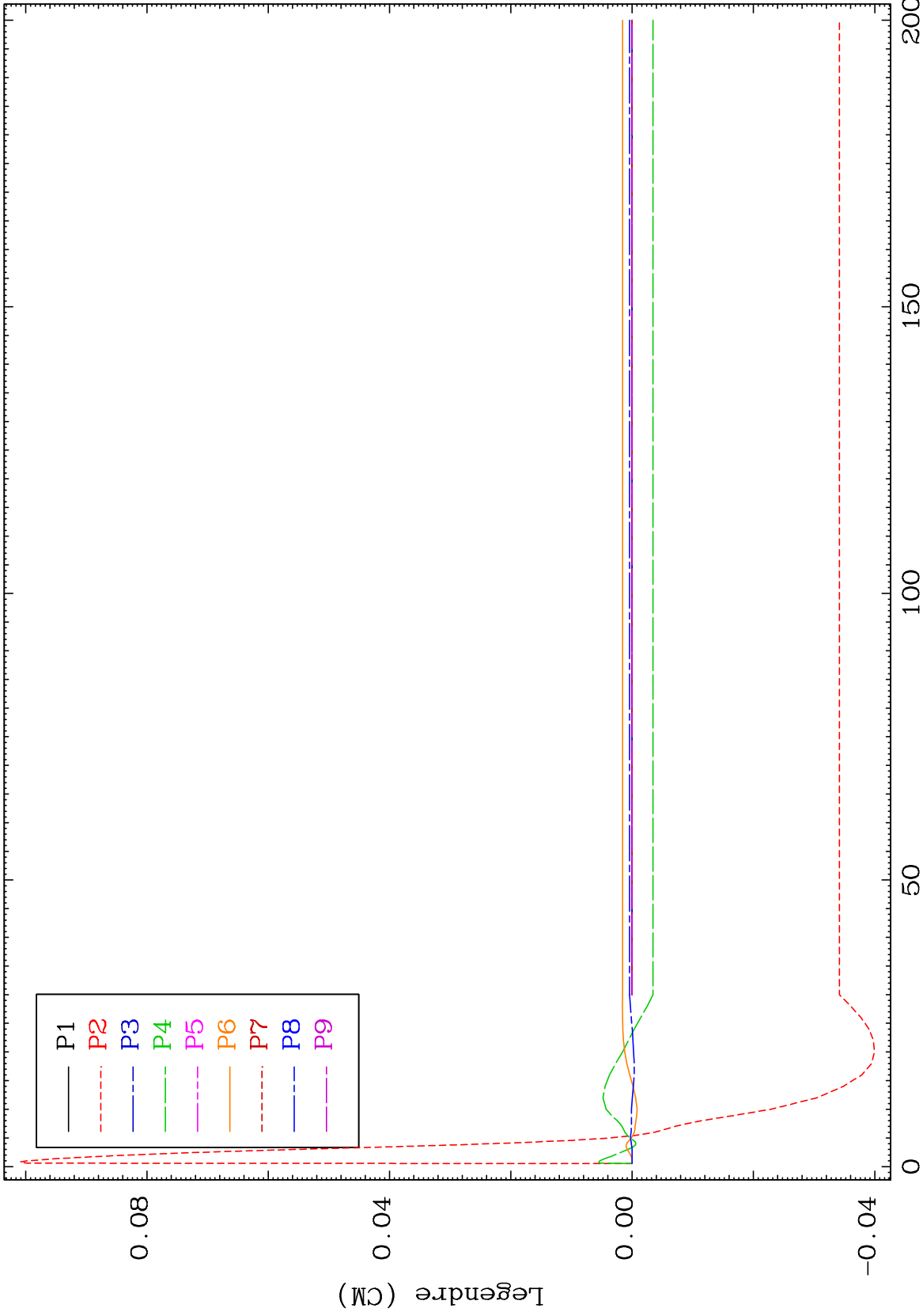


114

MAT 7331

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

73-Ta-182



115

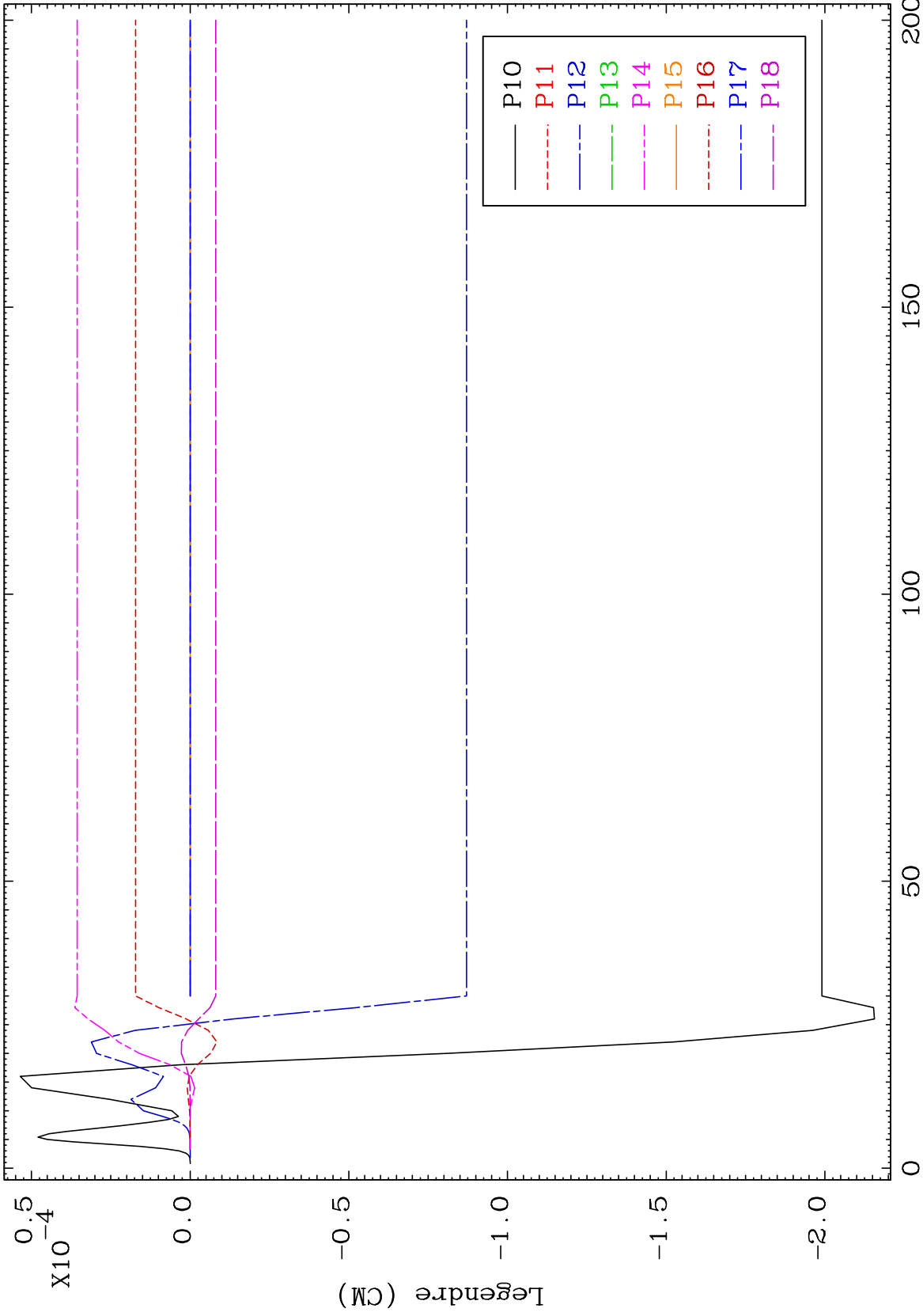
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



116

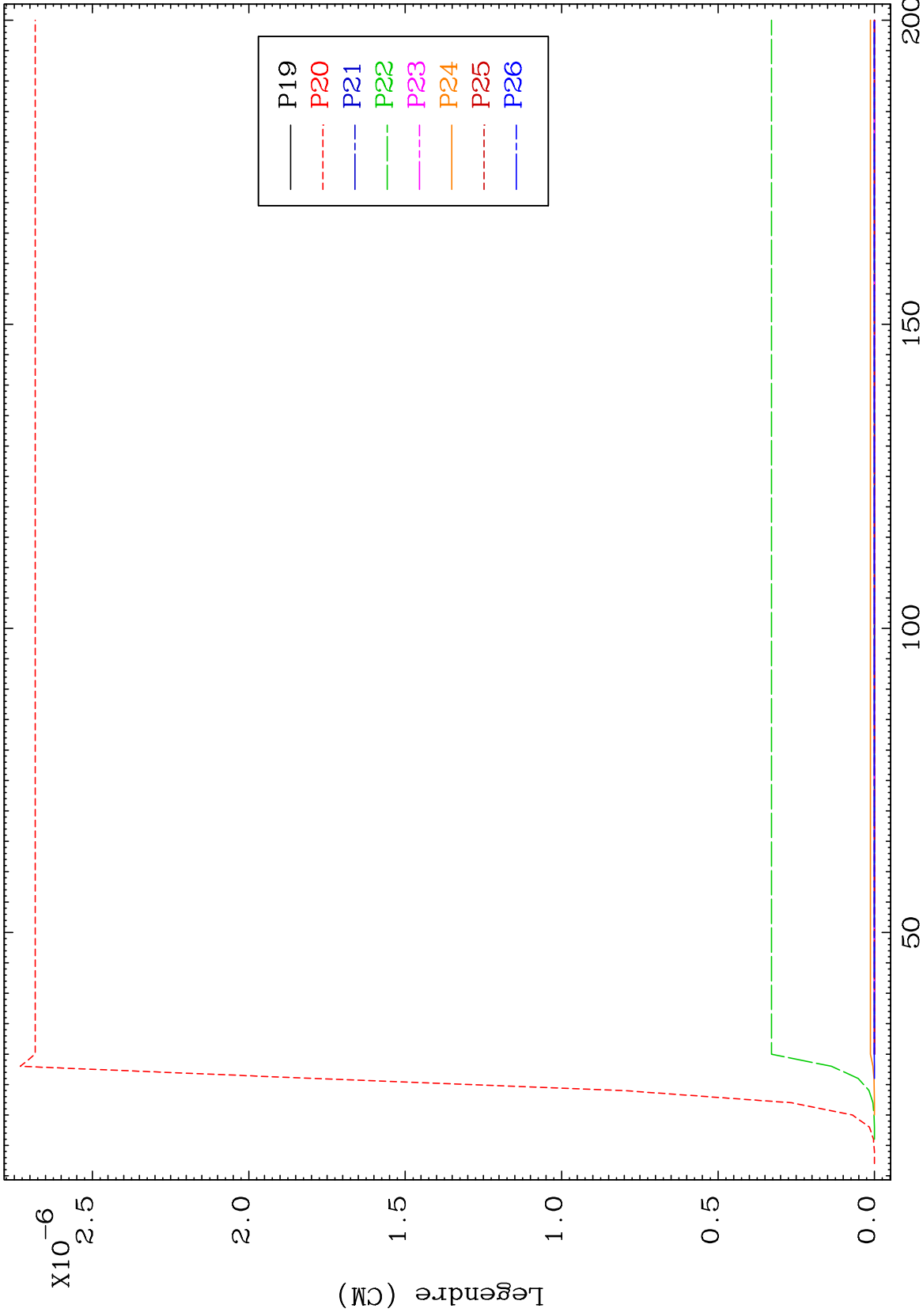
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

73-Ta-182



117

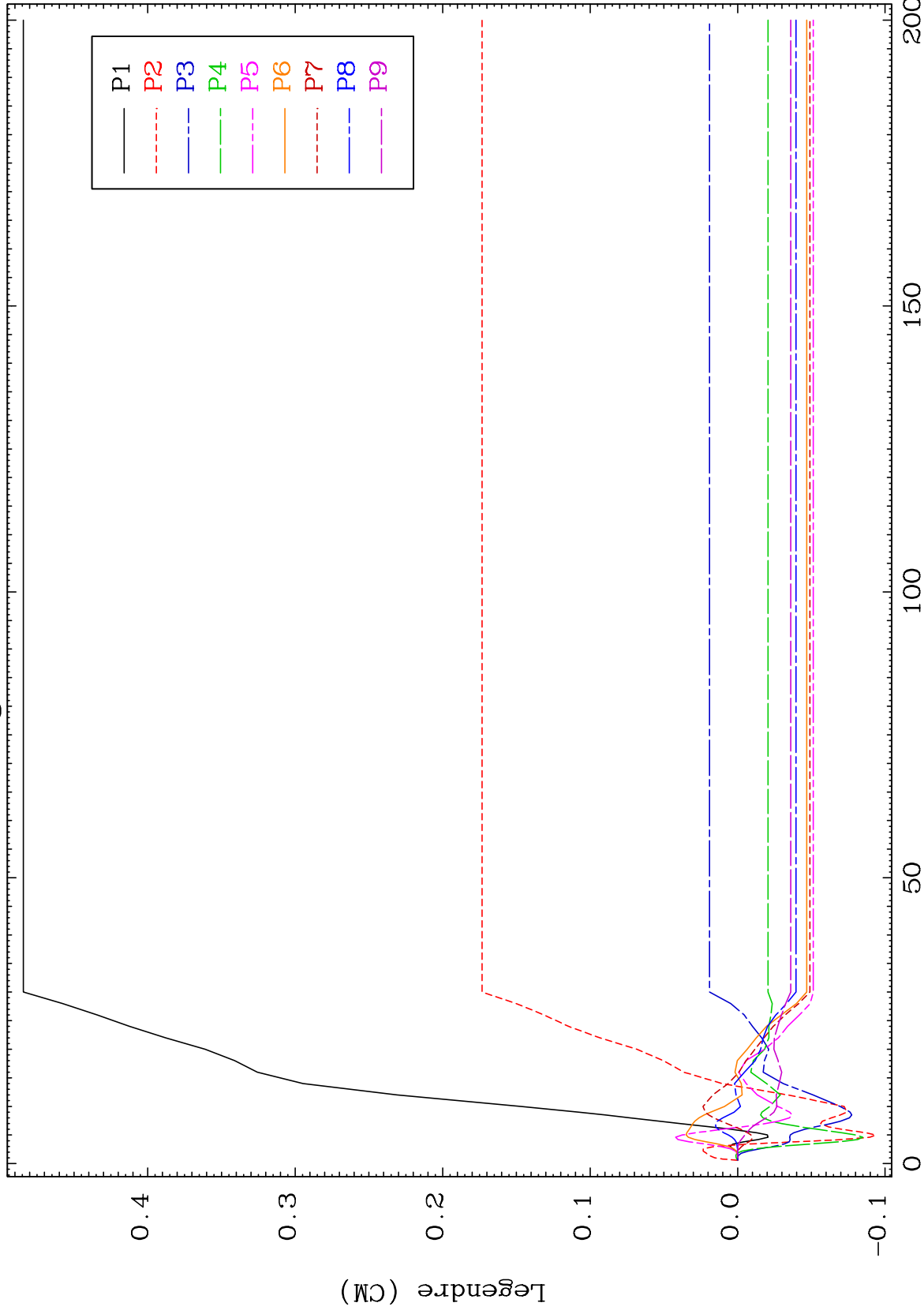
Incident Energy (MeV)

73-Ta-182

MAT 7331

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

<sup>73</sup>Ta-182



118

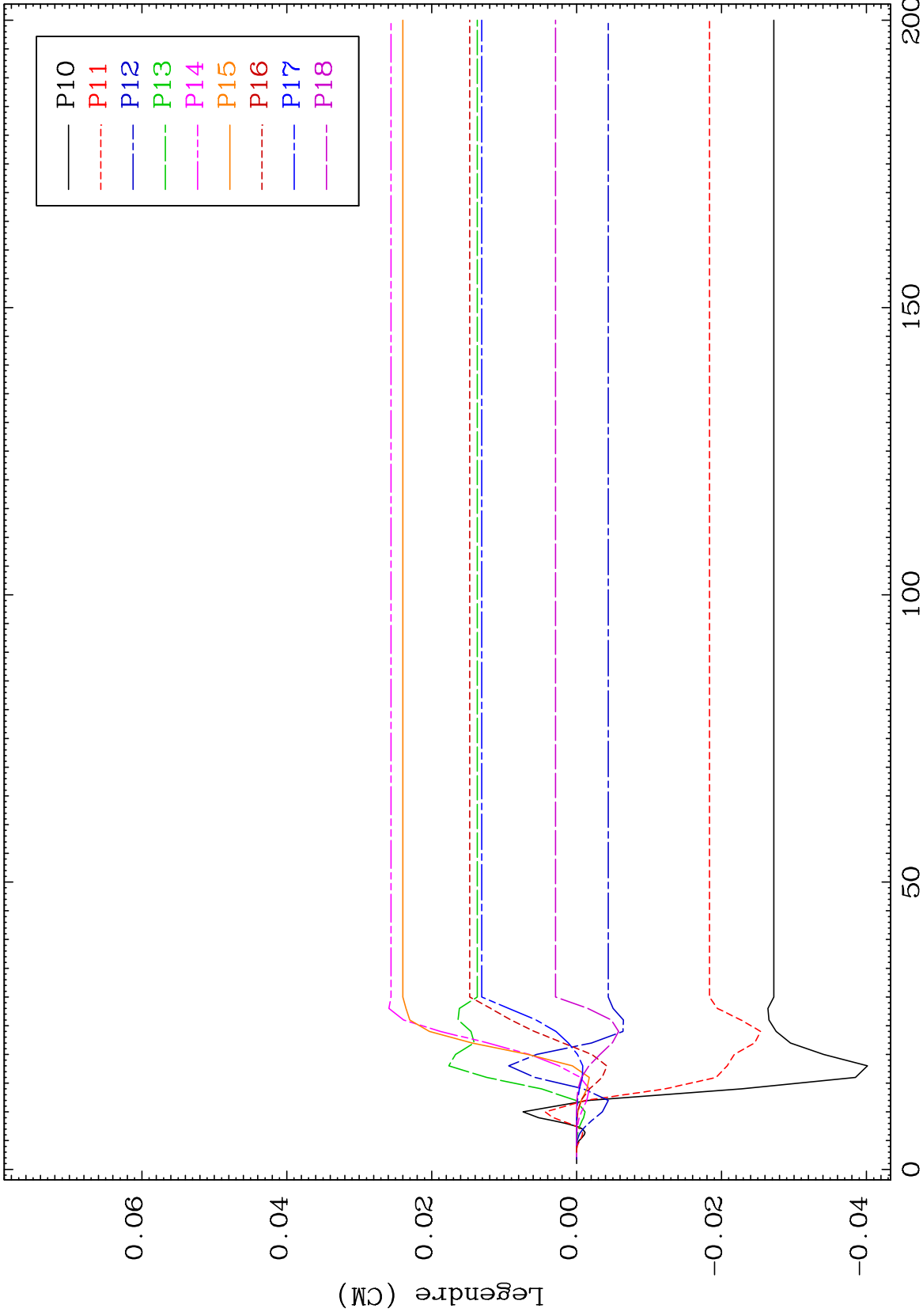
Incident Energy (MeV)

<sup>73</sup>Ta-182

MAT 7331

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

73-Ta-182



119

Incident Energy (MeV)

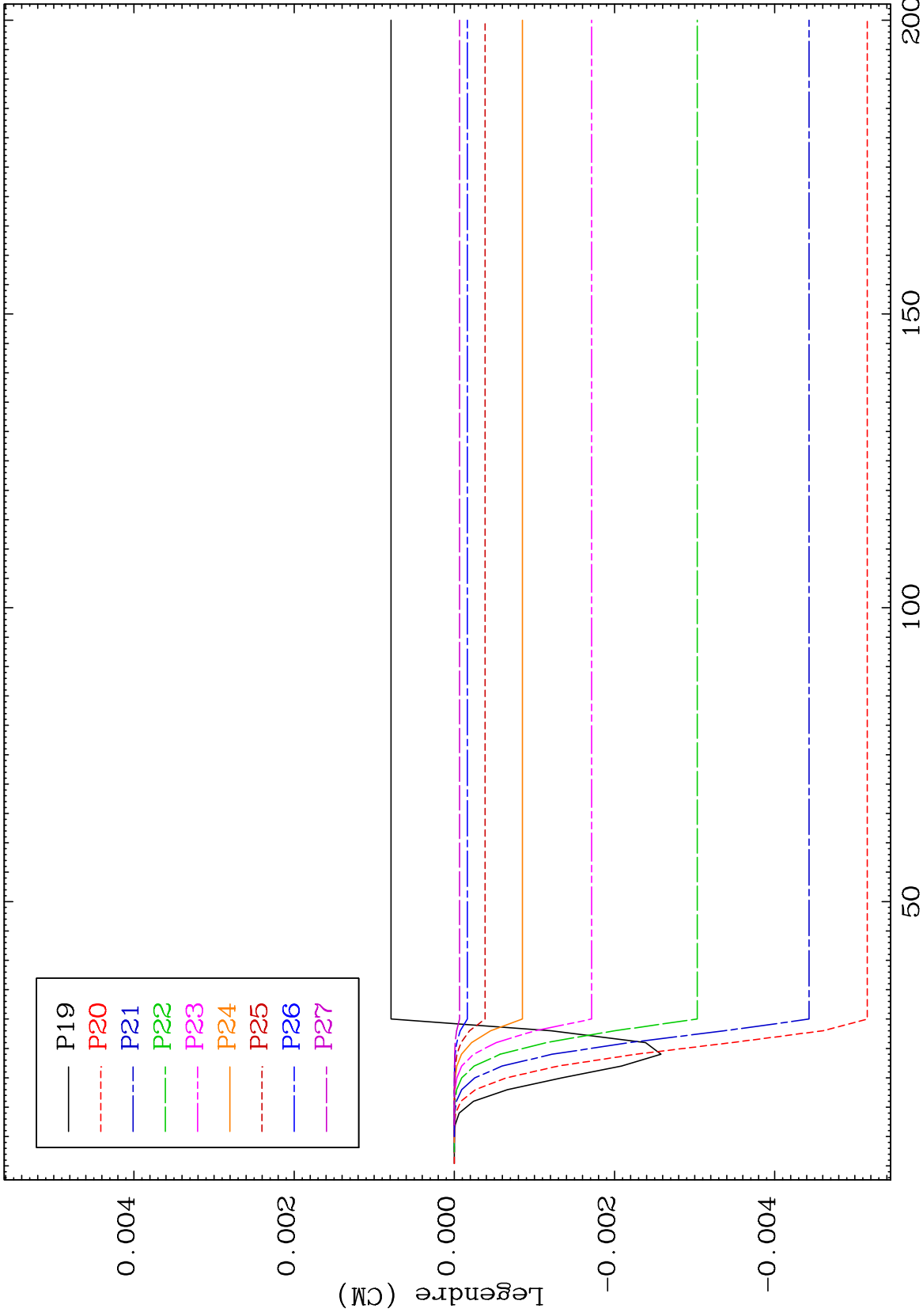
73-Ta-182



MAT 7331

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

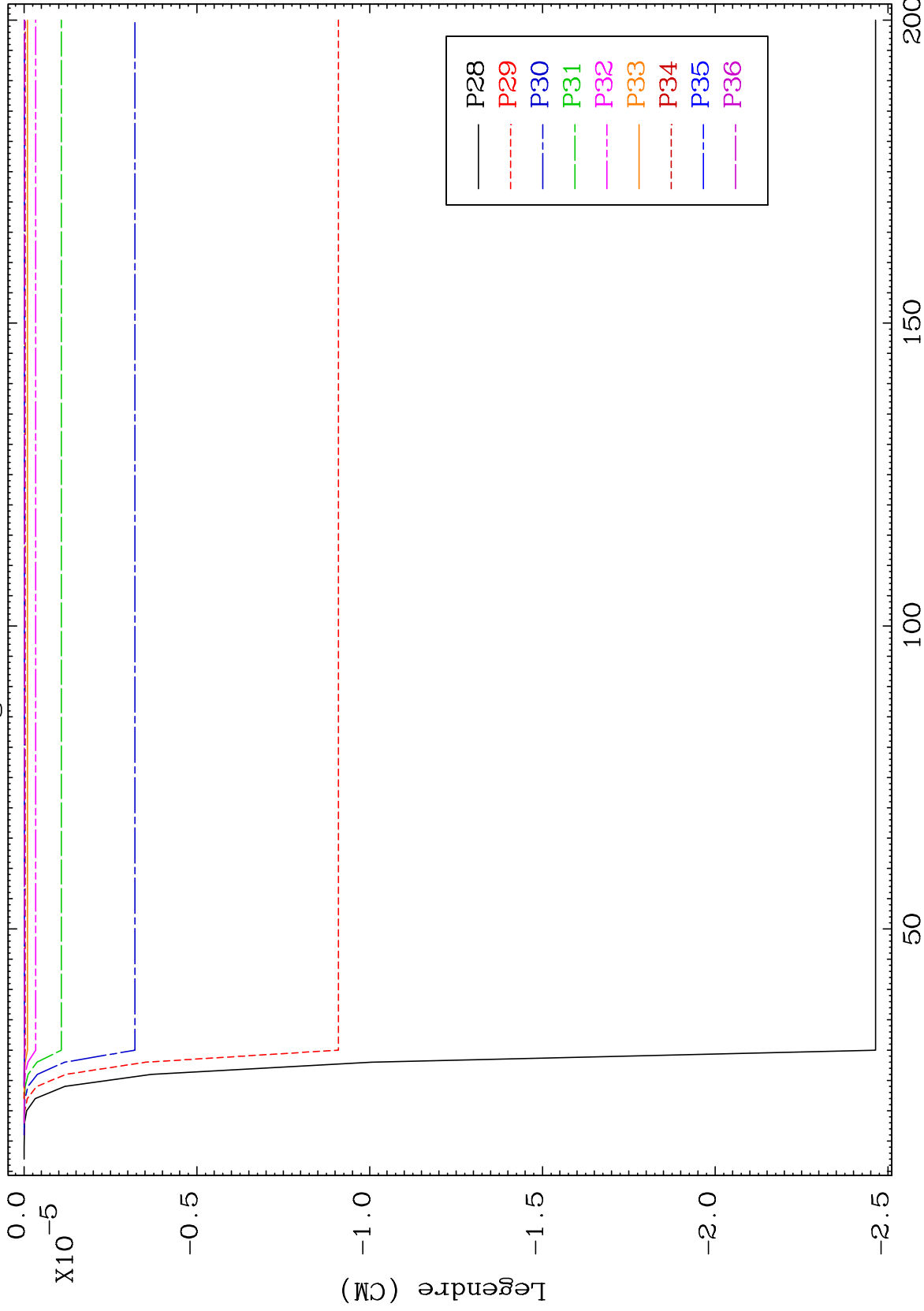
73-Ta-182



120

Incident Energy (MeV)

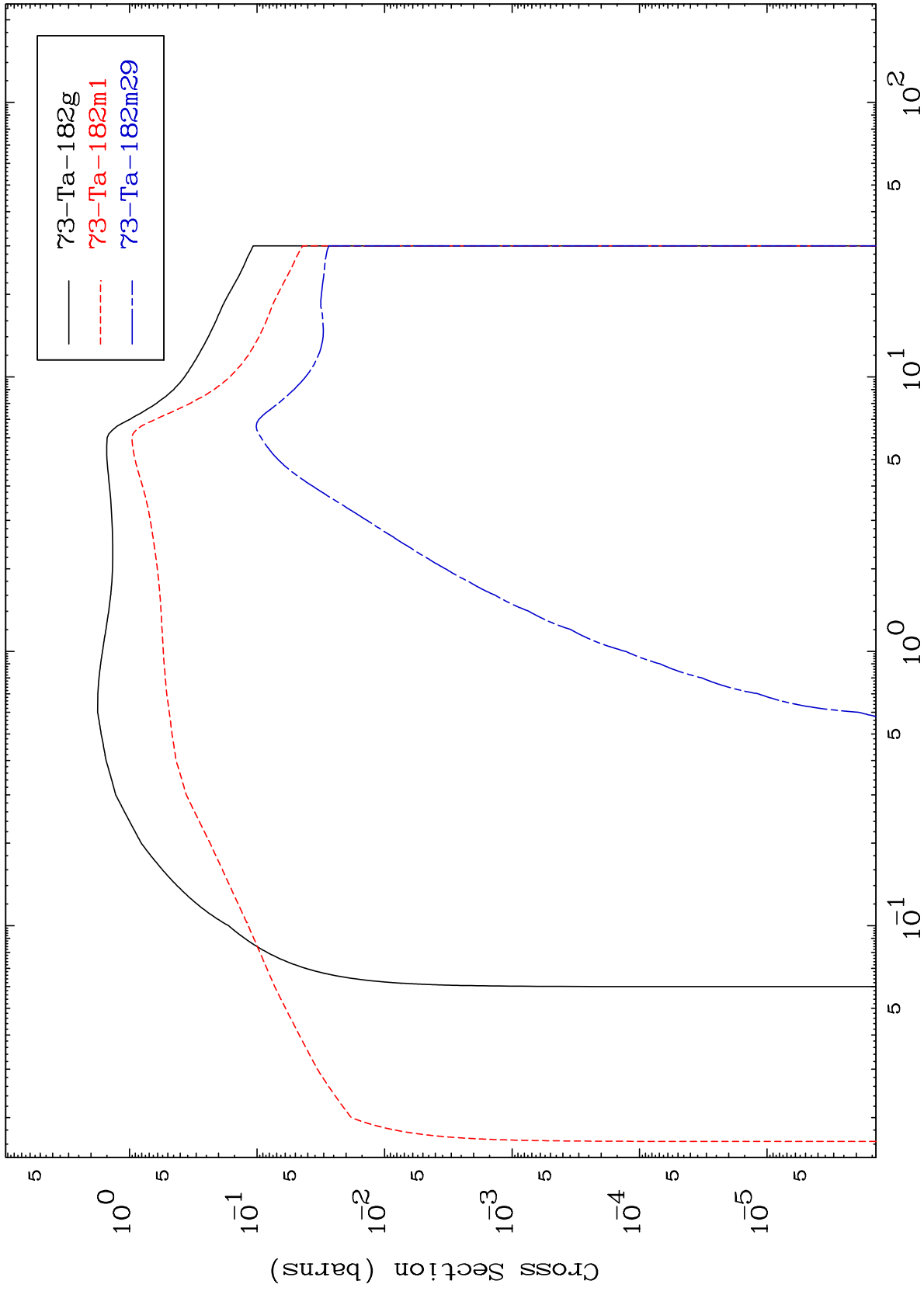
73-Ta-182



MAT 7331

# Inelastic Radionuclide Production Cross Section

<sup>73</sup>Ta-182



122

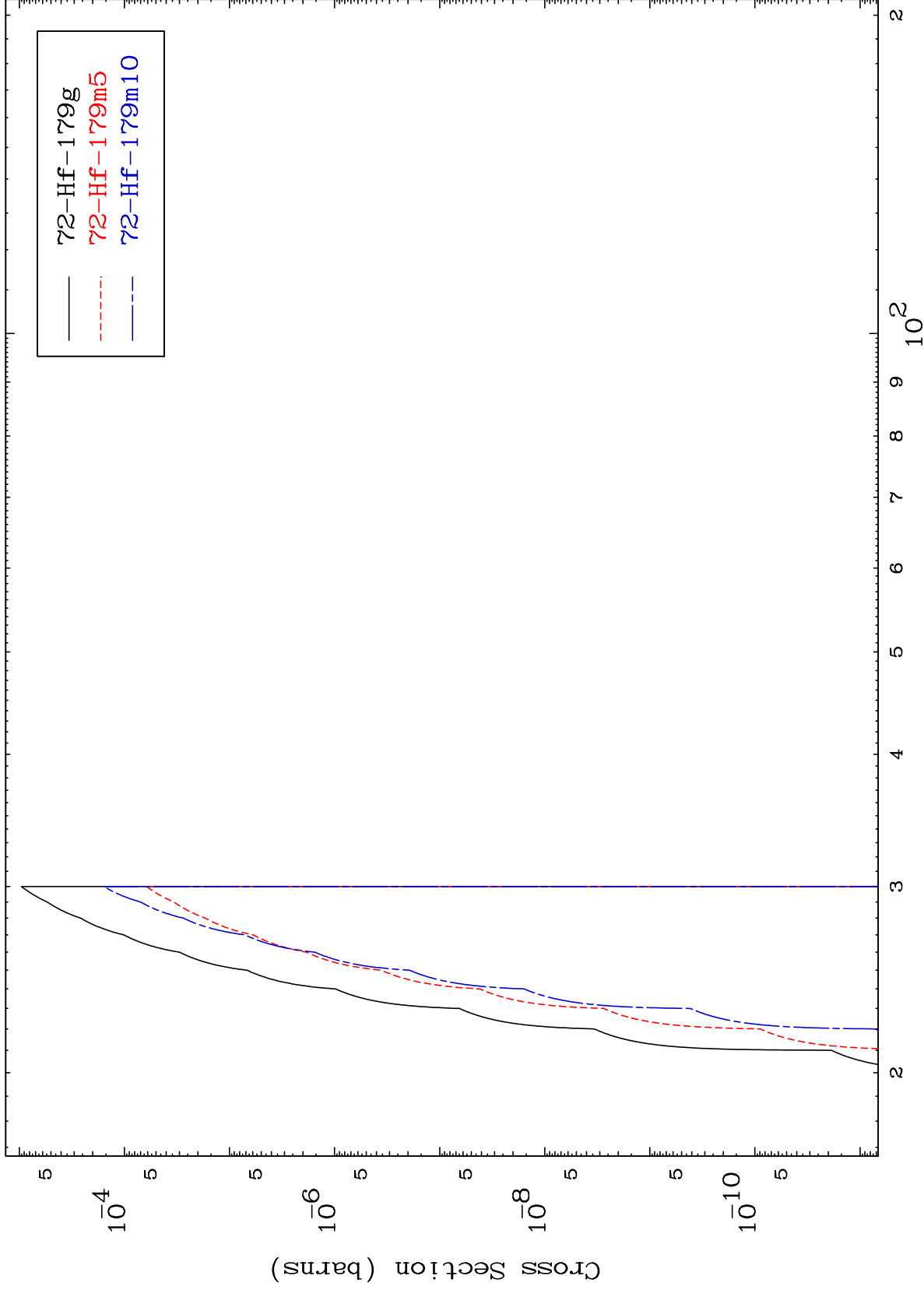
<sup>73</sup>Ta-182

MAT 7331

(n,2n) d

73-Ta-182

Radionuclide Production Cross Section



123

Incident Energy (MeV)

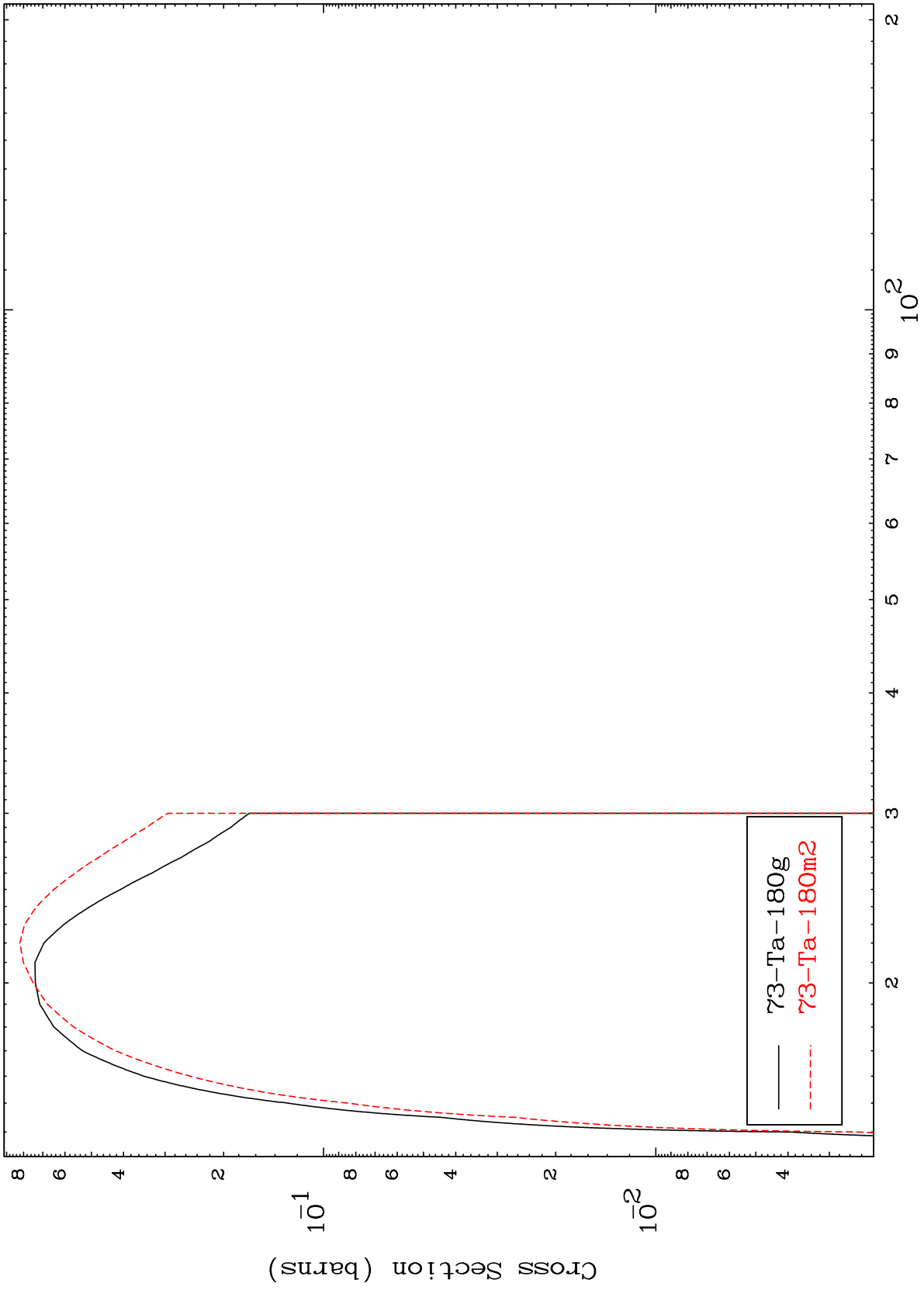
73-Ta-182

MAT 7331

(n,3n)

<sup>73</sup>Ta-182

Radionuclide Production Cross Section



124

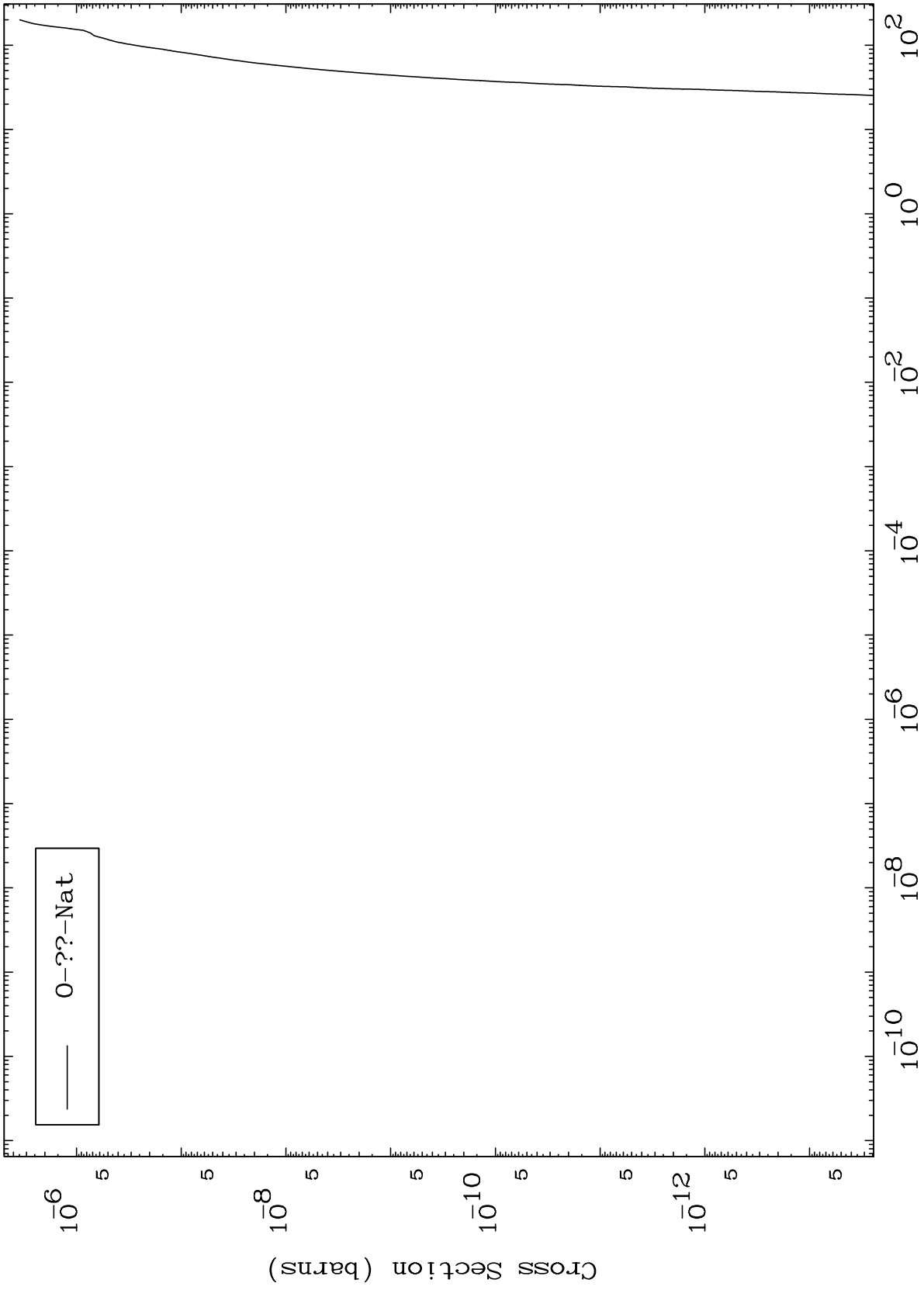
Incident Energy (MeV)

<sup>73</sup>Ta-182

MAT 7331

Fission  
Radionuclide Production Cross Section

<sup>73</sup>Ta-182



125

Incident Energy (MeV)

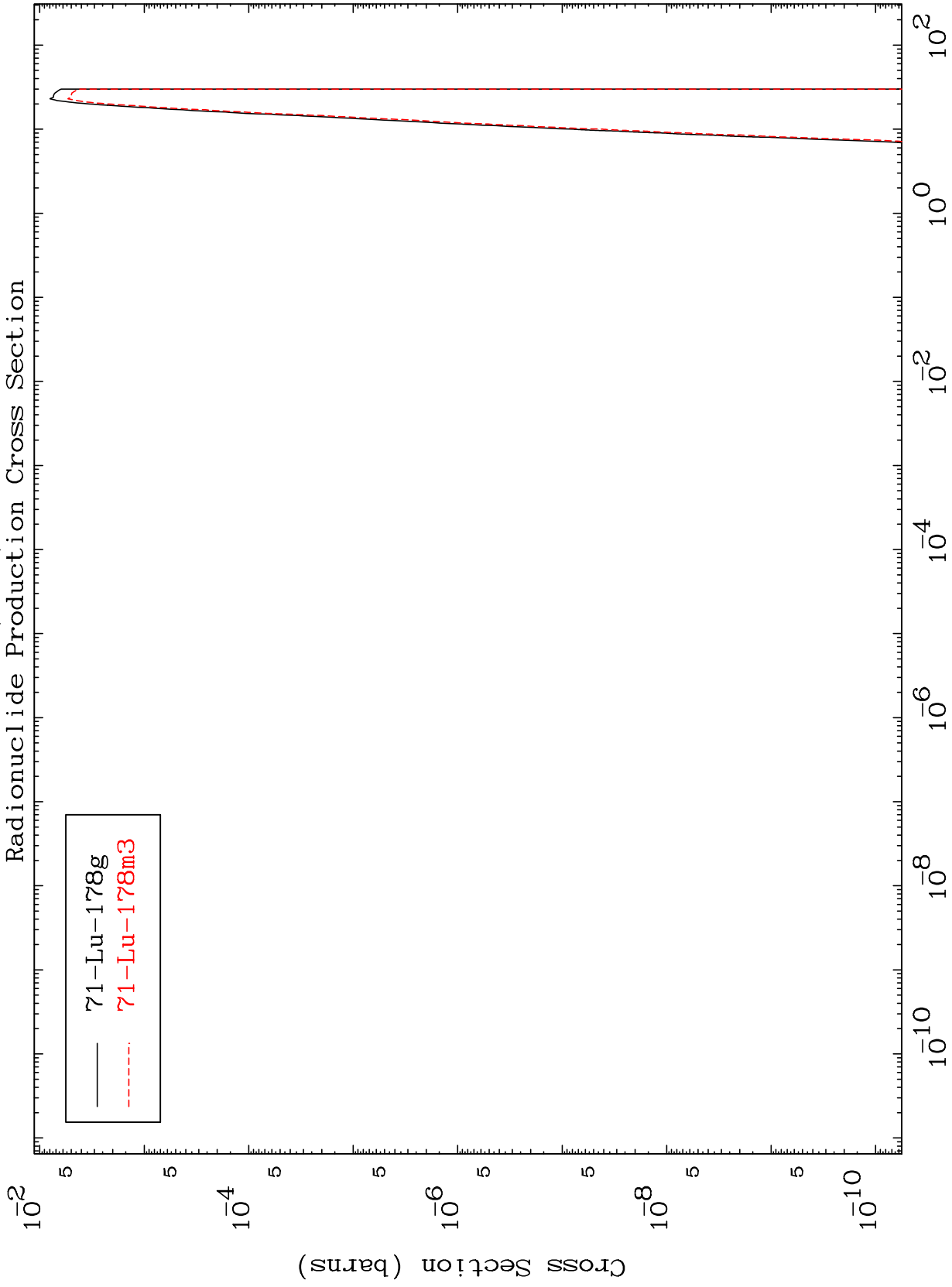
<sup>73</sup>Ta-182

MAT 7331

(n,n')  $\alpha$

<sup>73</sup>Ta-182

Radionuclide Production Cross Section



126

Incident Energy (MeV)

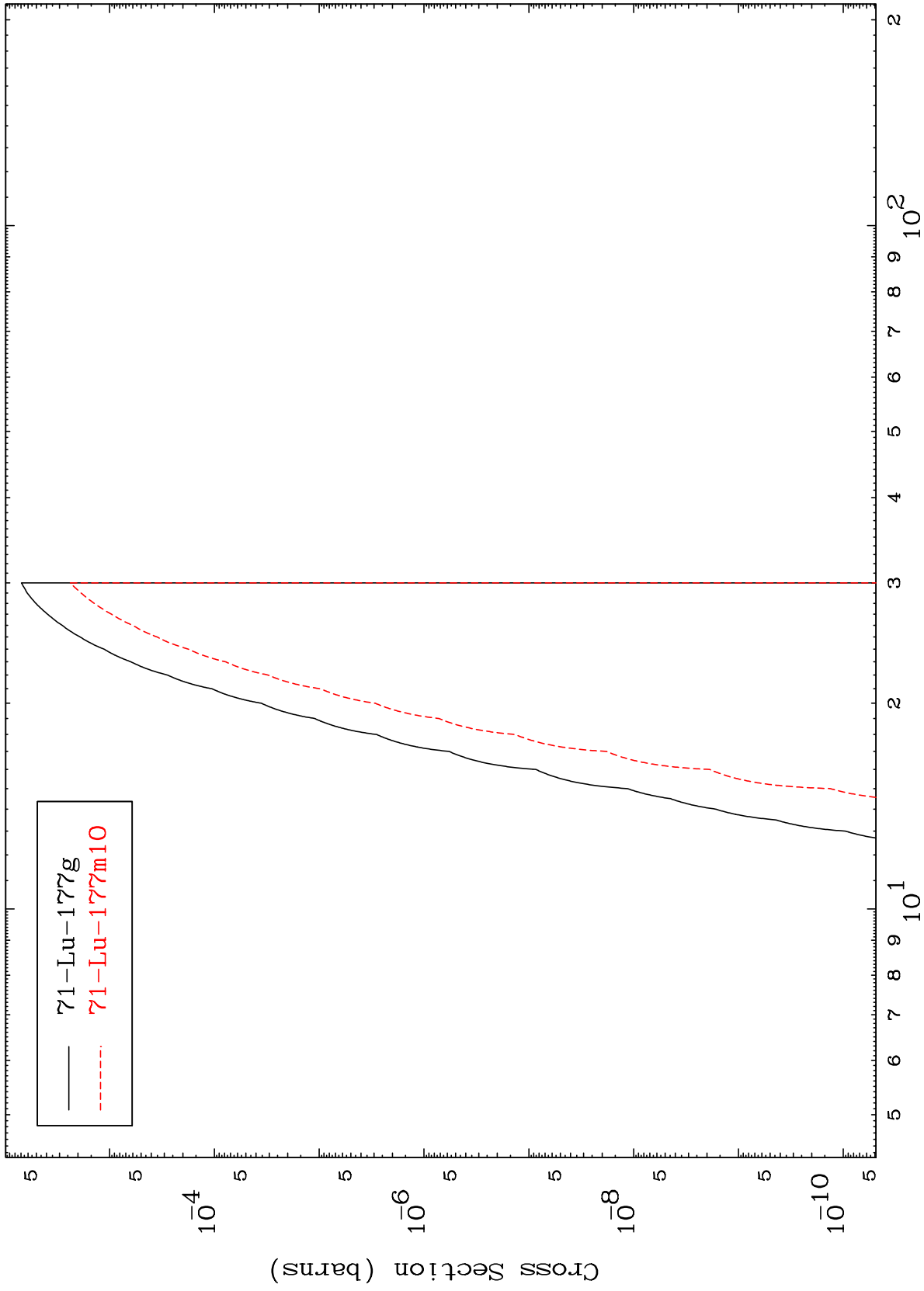
<sup>73</sup>Ta-182

MAT 7331

$(n, 2n) \alpha$

$^{73}\text{Ta-182}$

Radionuclide Production Cross Section



127

Incident Energy (MeV)

$^{73}\text{Ta-182}$

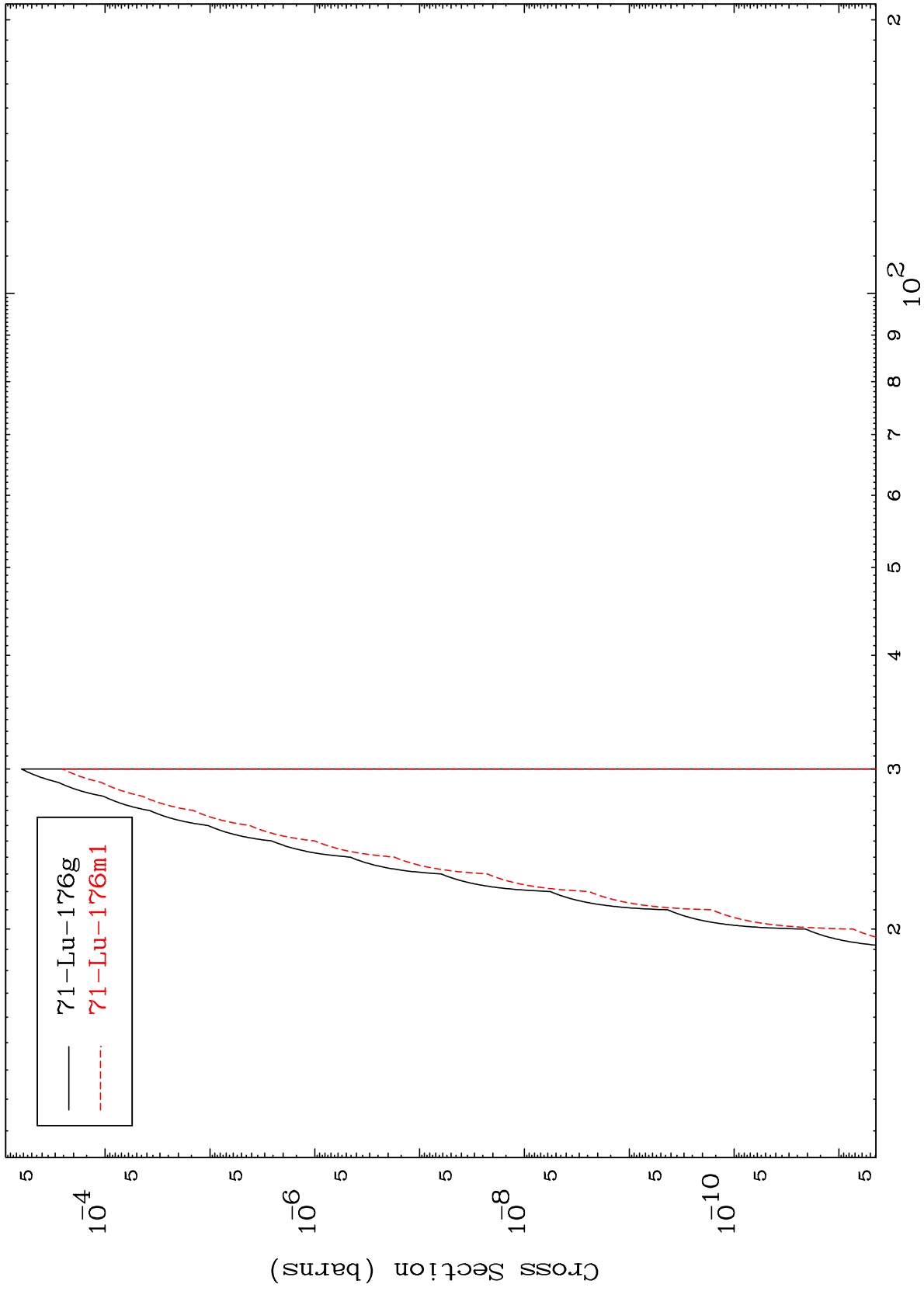


MAT 7331

(n,3n)  $\alpha$

73-Ta-182

Radionuclide Production Cross Section



128

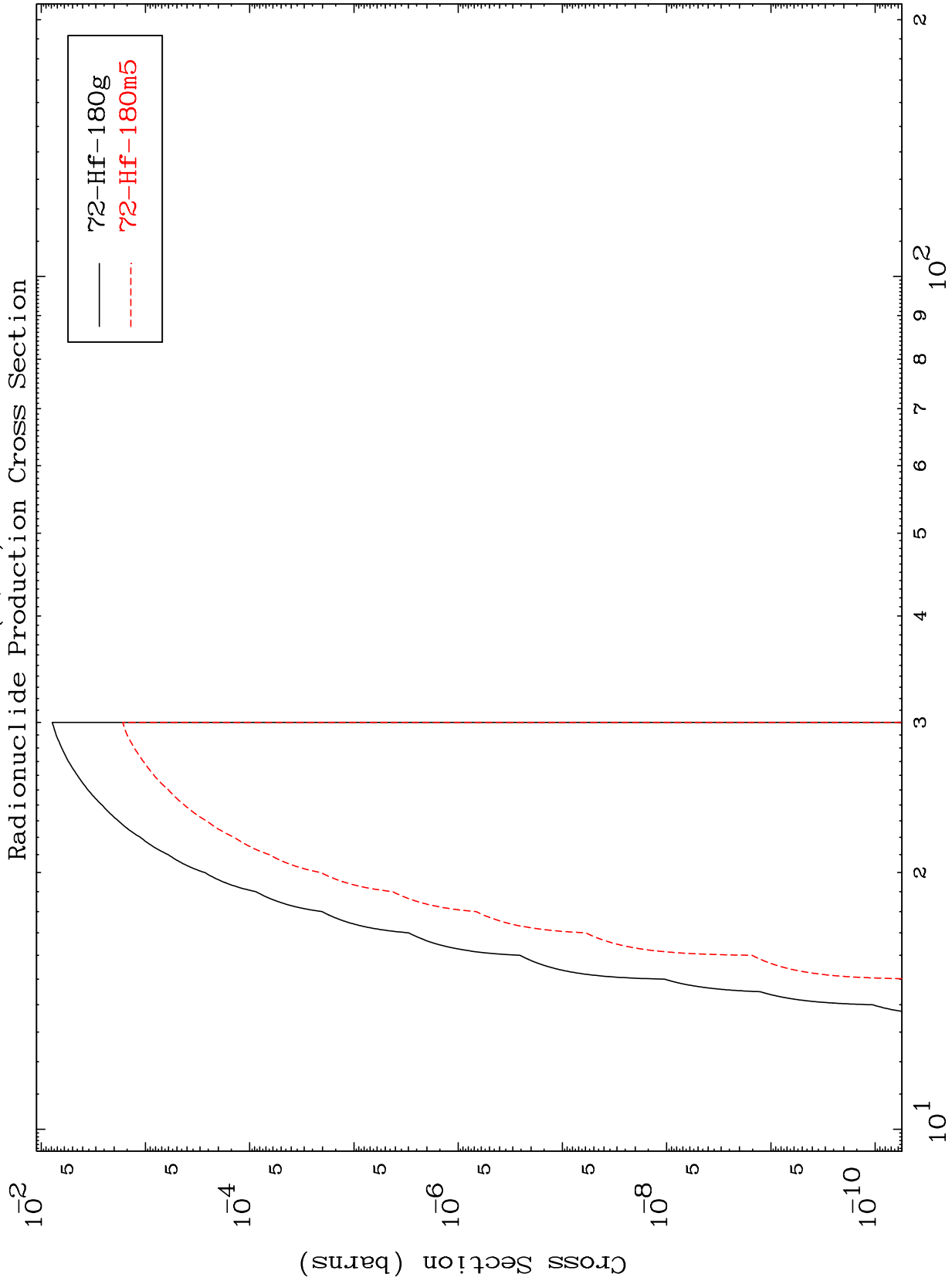
Incident Energy (MeV)

73-Ta-182

MAT 7331

(n,n') d

73-Ta-182



129

Incident Energy (MeV)

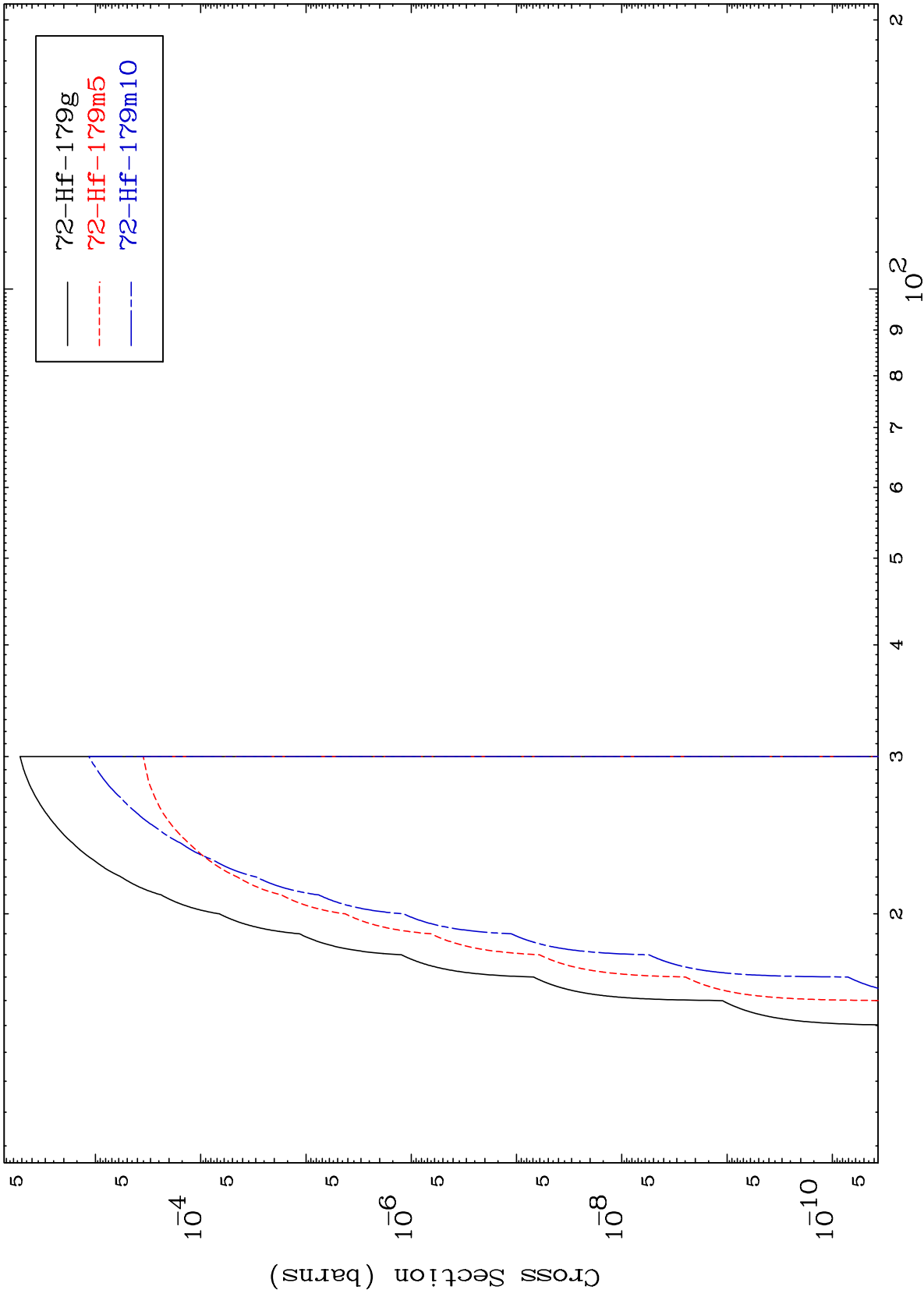
73-Ta-182

MAT 7331

(n,n') t

73-Ta-182

Radionuclide Production Cross Section



130

Incident Energy (MeV)

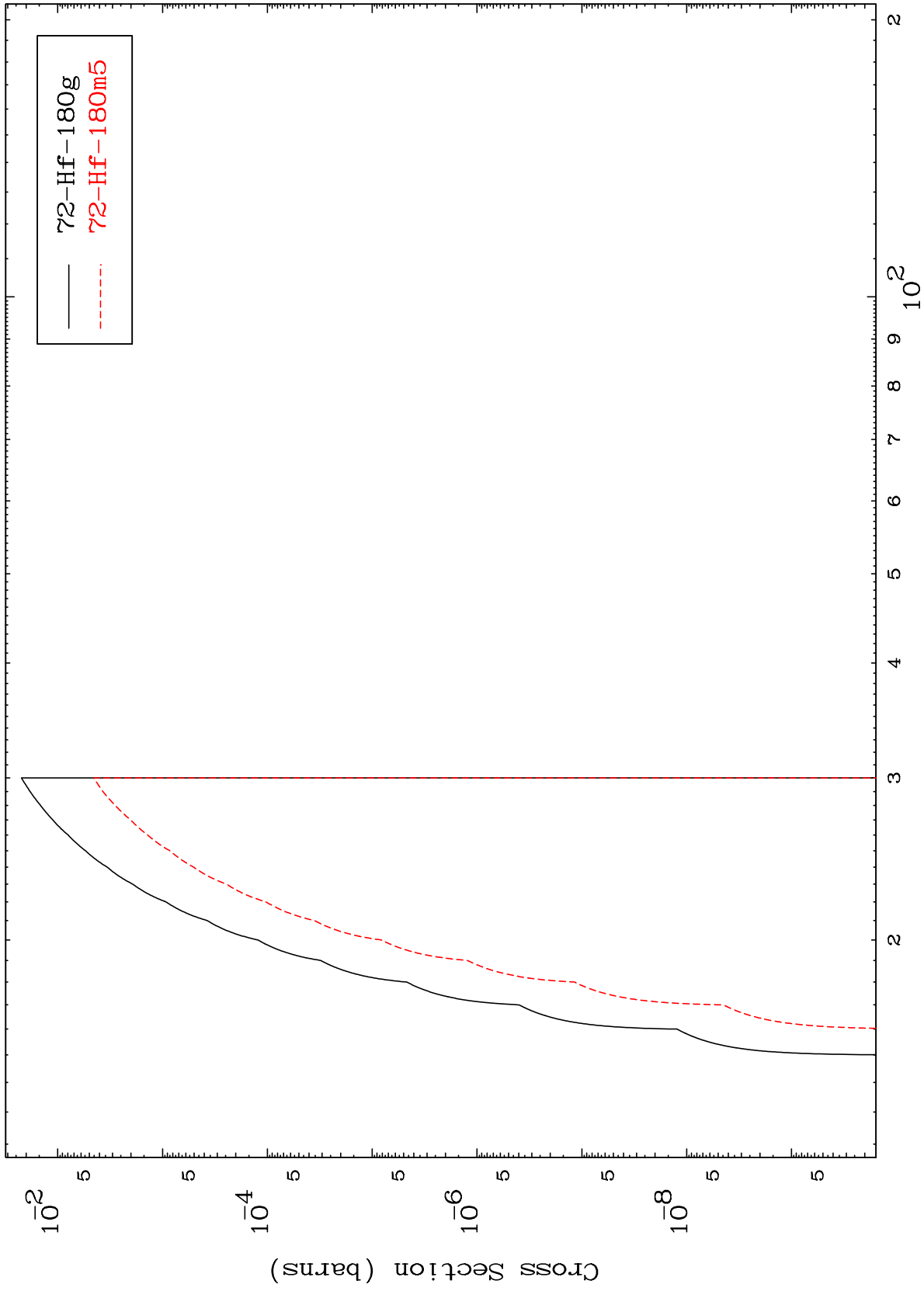
73-Ta-182

MAT 7331

(n,2n) p

<sup>73</sup>Ta-182

Radionuclide Production Cross Section



131

Incident Energy (MeV)

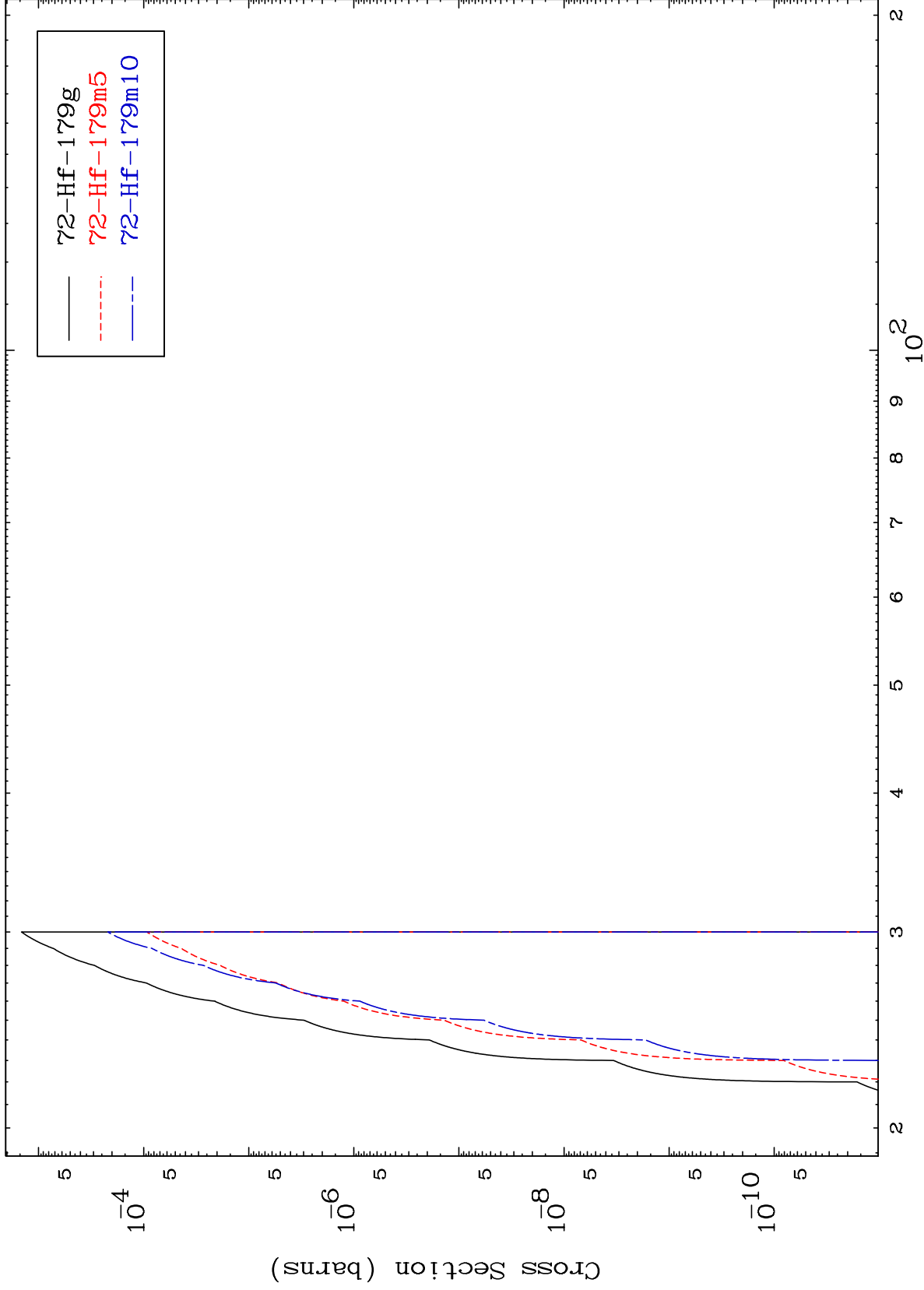
<sup>73</sup>Ta-182

MAT 7331

(n,3n) p

<sup>73</sup>Ta-182

Radionuclide Production Cross Section



132

Incident Energy (MeV)

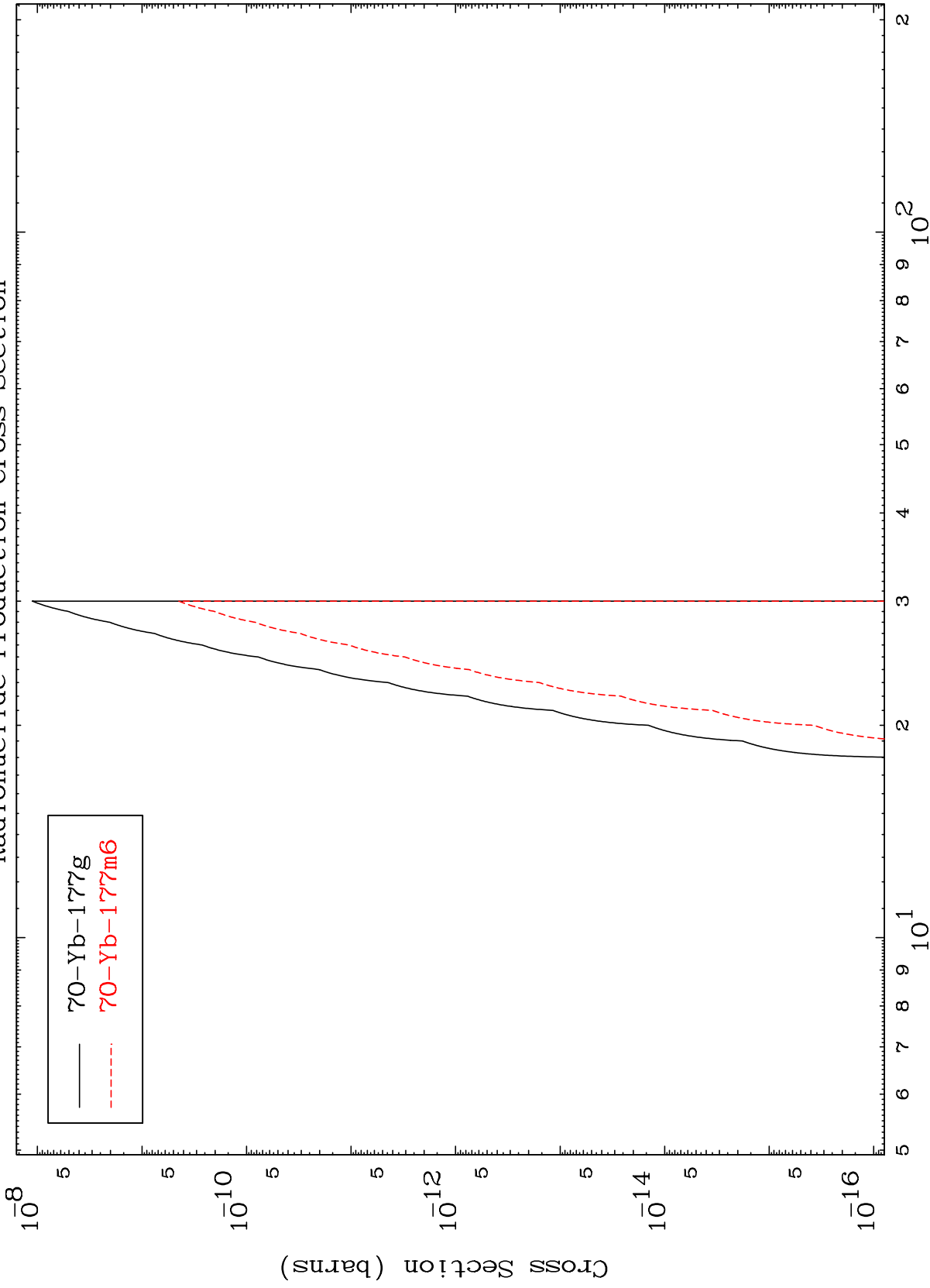
<sup>73</sup>Ta-182

MAT 7331

(n,n') p  $\alpha$

73-Ta-182

Radionuclide Production Cross Section



133

Incident Energy (MeV)

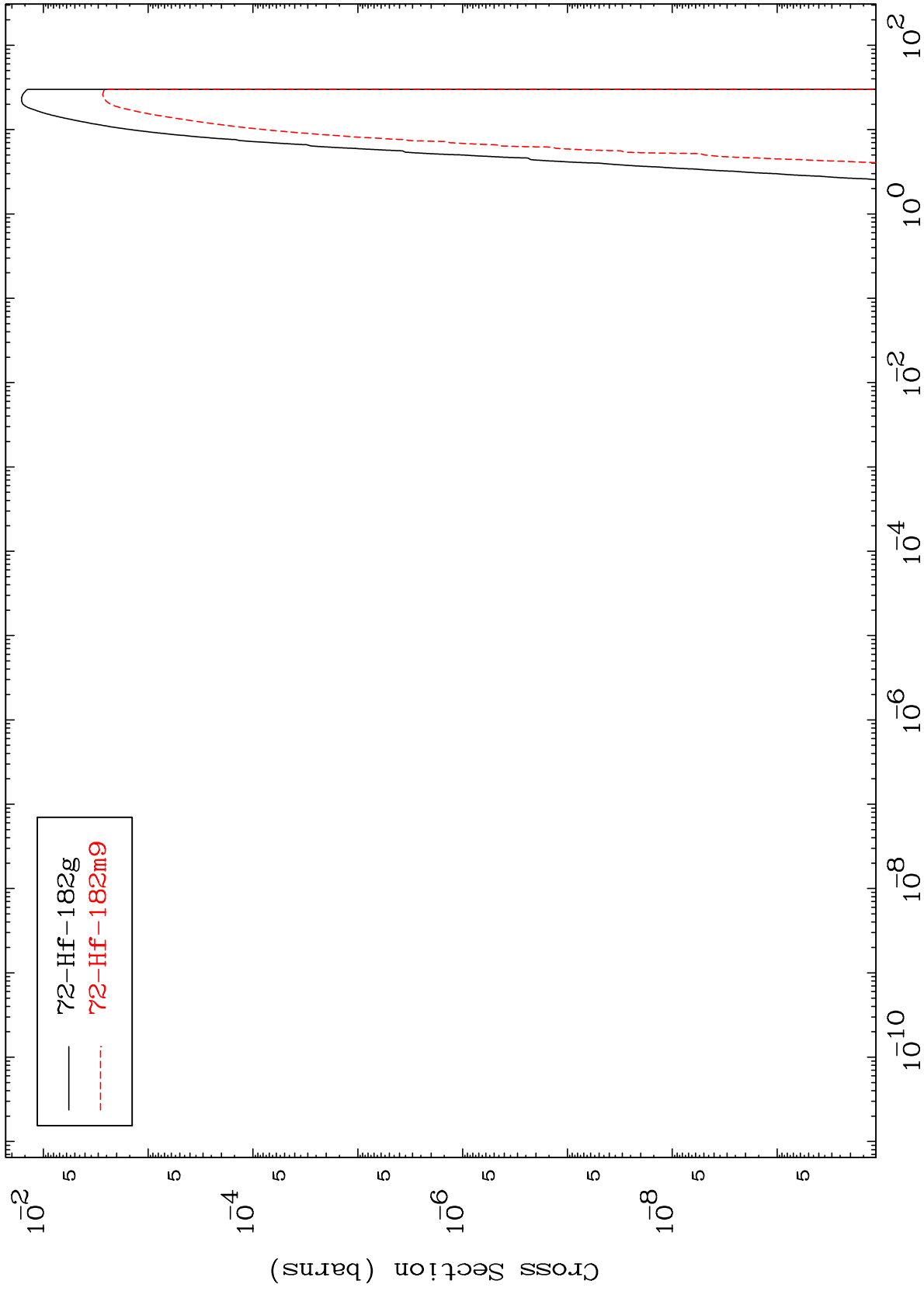
73-Ta-182

MAT 7331

(n,p)

<sup>73</sup>Ta-182

Radionuclide Production Cross Section



134

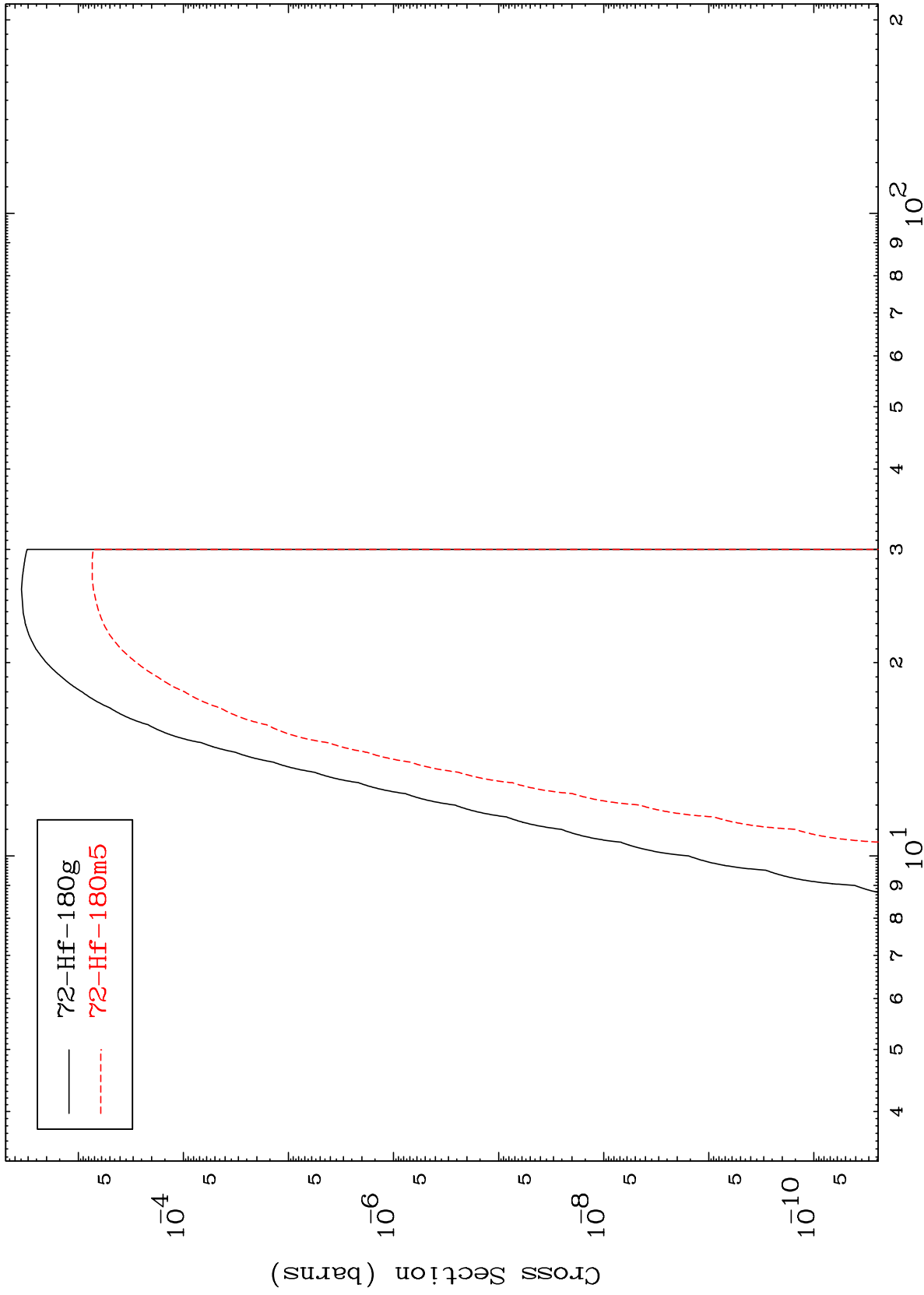
Incident Energy (MeV)

<sup>73</sup>Ta-182

MAT 7331

73-Ta-182

(n, t)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

73-Ta-182