

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

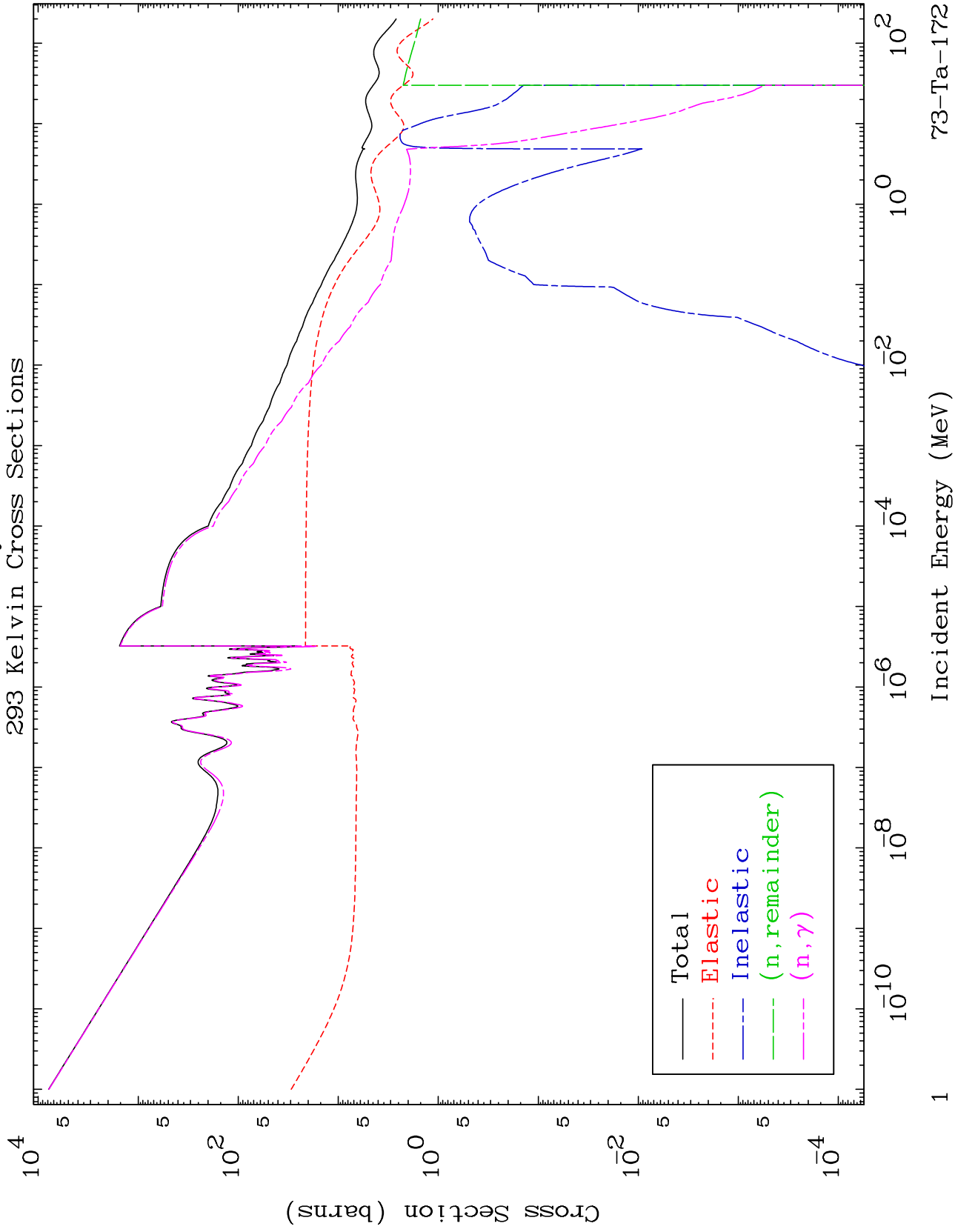
Press Mouse Button to Start

MAT 7301

Major

293 Kelvin Cross Sections

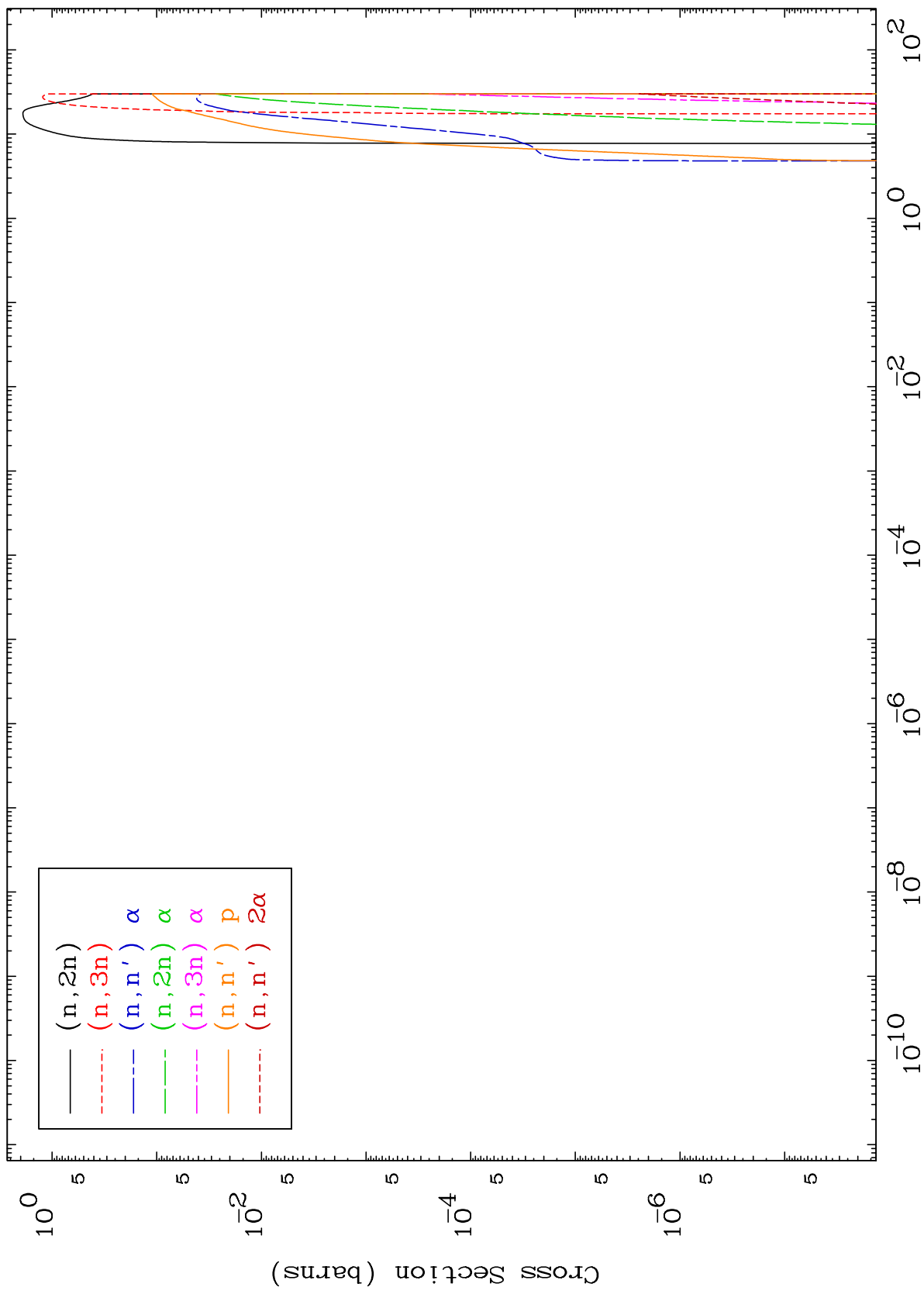
73-Ta-172



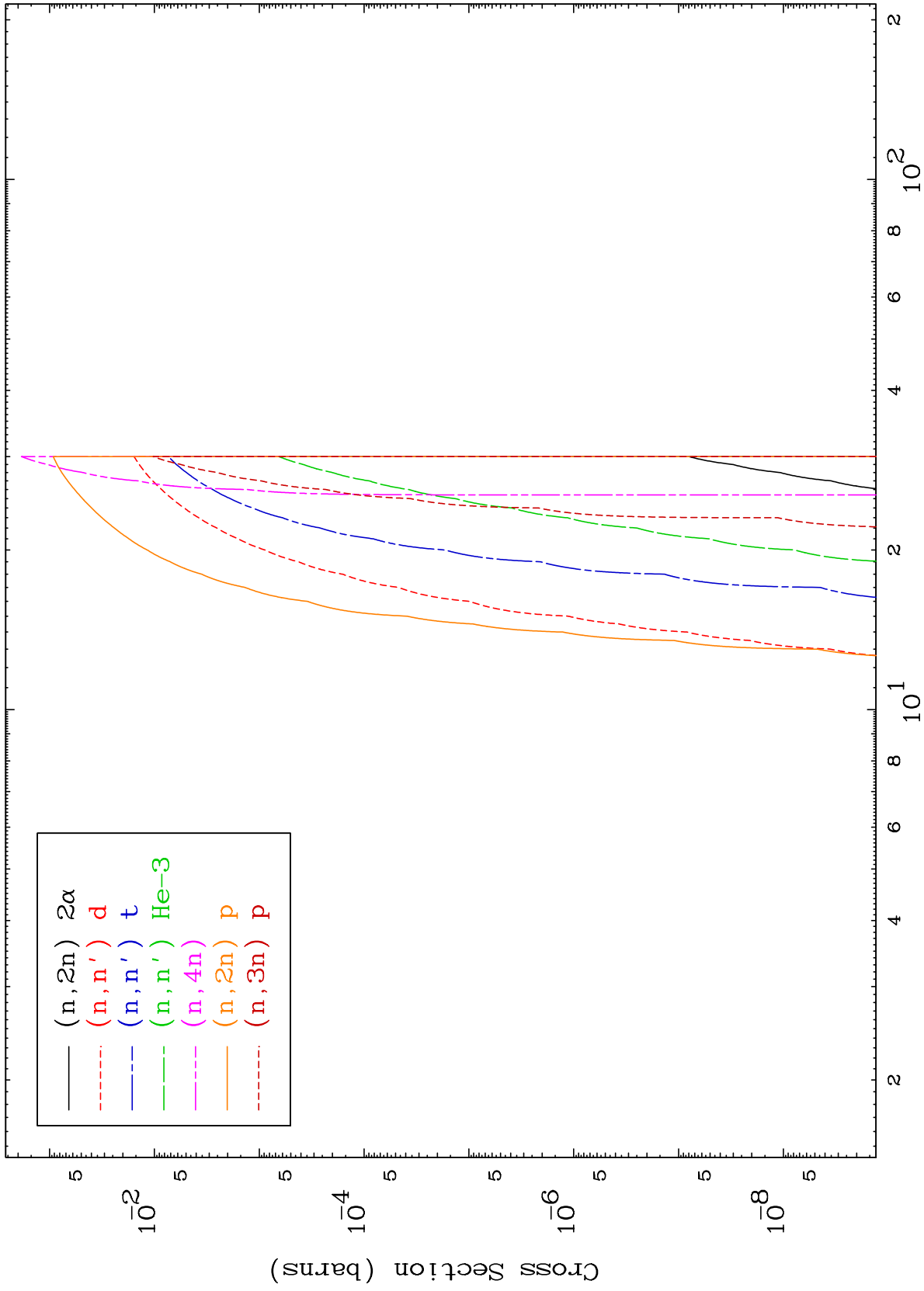
MAT 7301

Neutron Production  
293 Kelvin Cross Sections

73-Ta-172



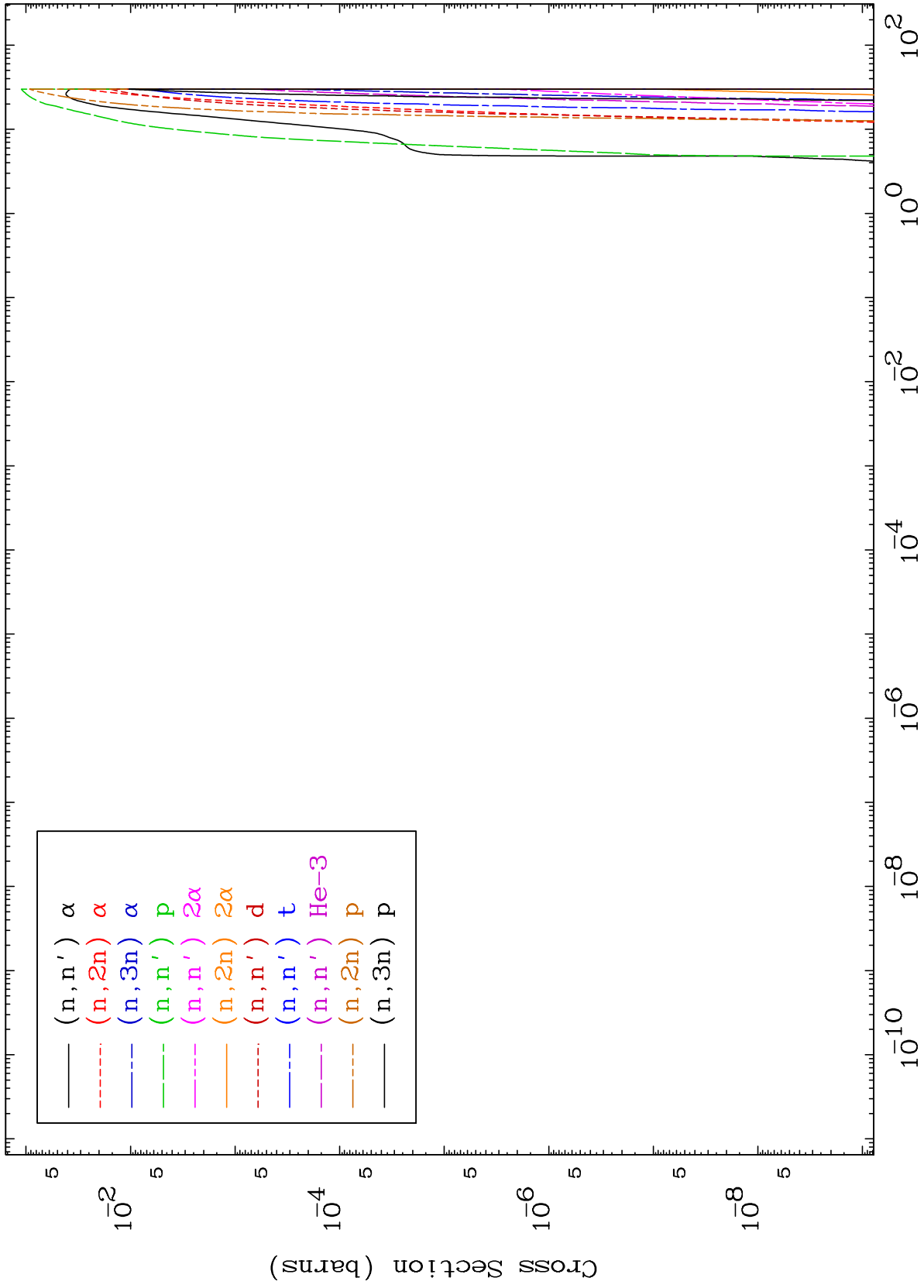
73-Ta-172



MAT 7301

Charged Particle  
293 Kelvin Cross Sections

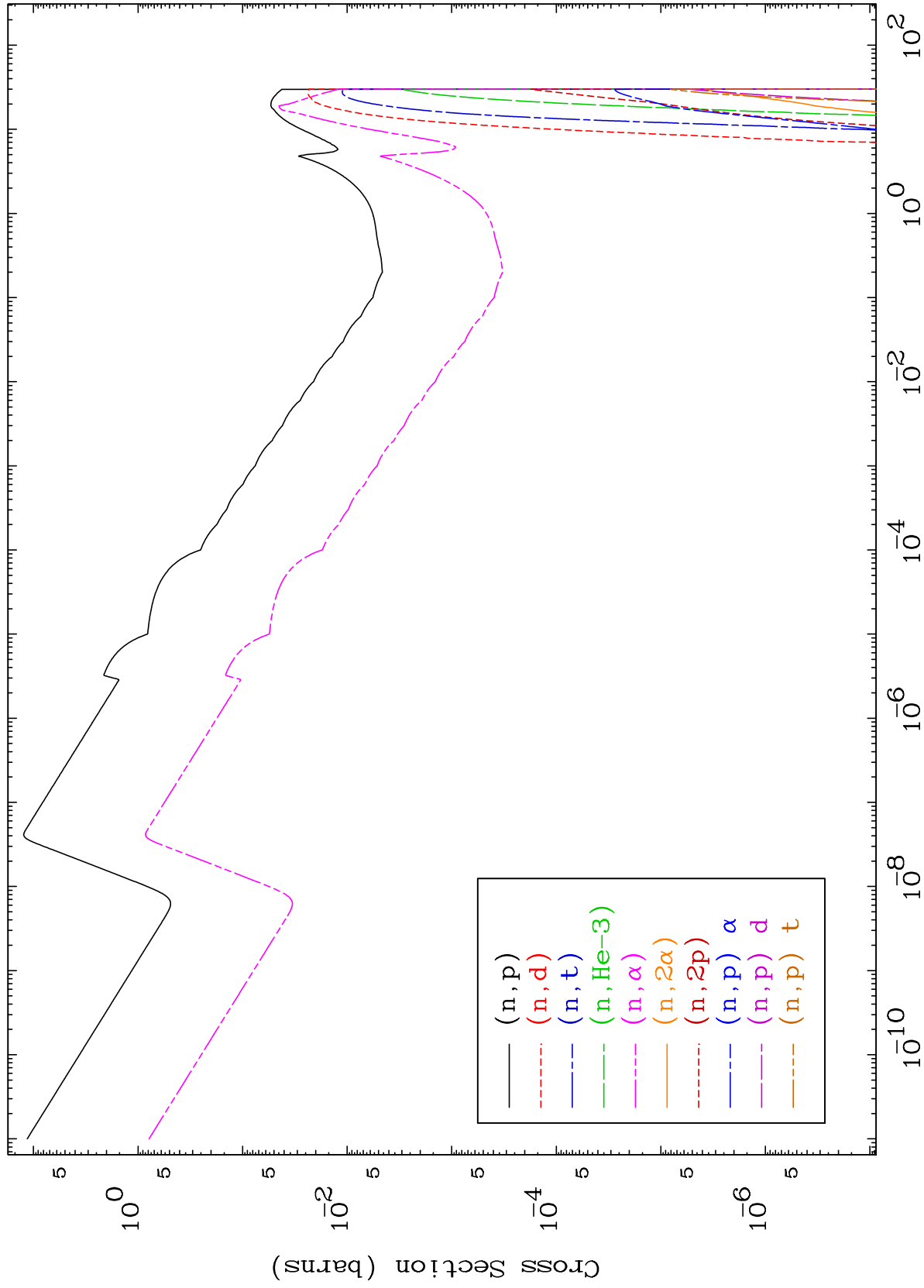
73-Ta-172



MAT 7301

293 Kelvin Cross Sections

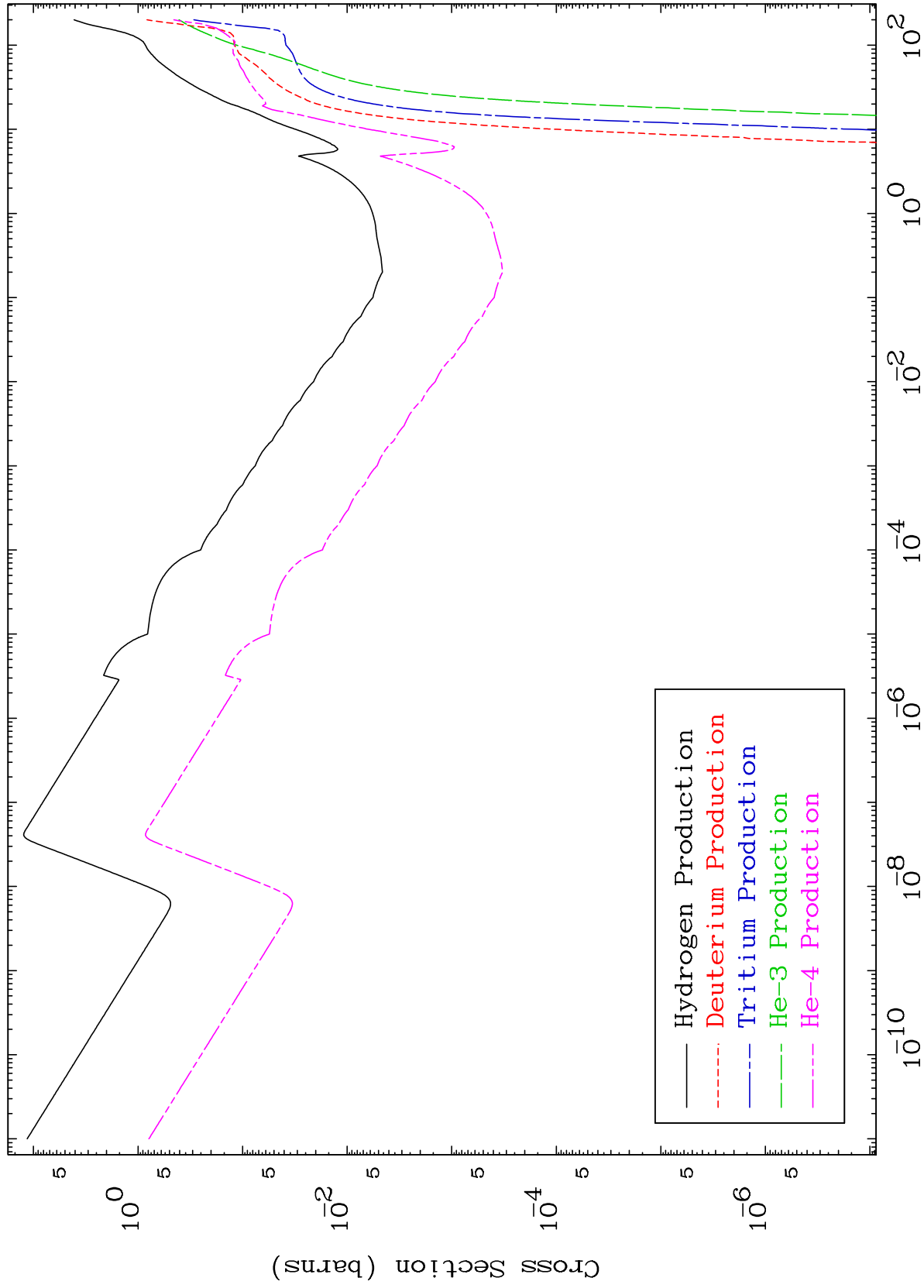
73-Ta-172



MAT 7301

Particle Production  
293 Kelvin Cross Sections

73-Ta-172

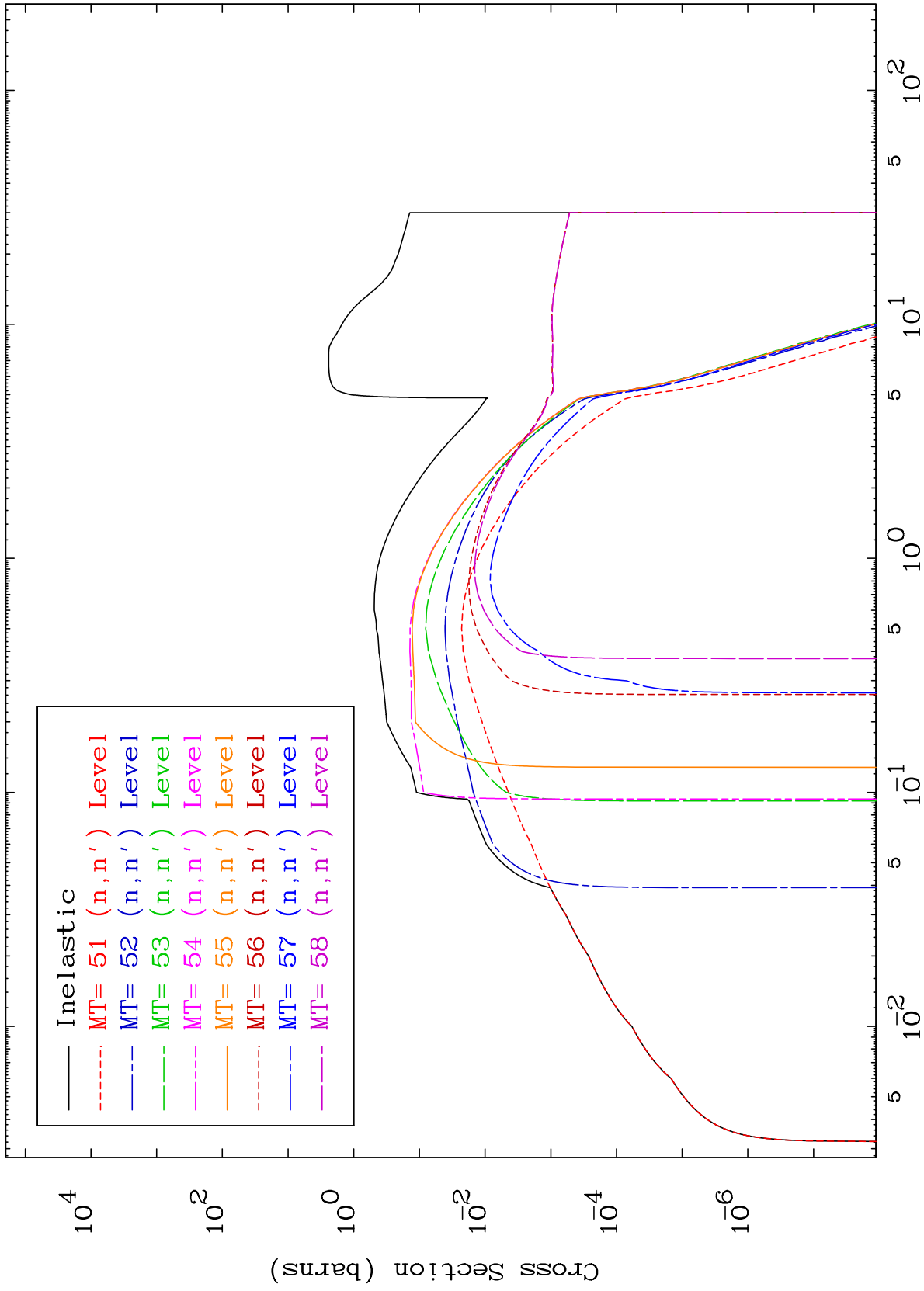


73-Ta-172

MAT 7301

293 Kelvin Cross Sections  
(n,n') Level

73-Ta-172

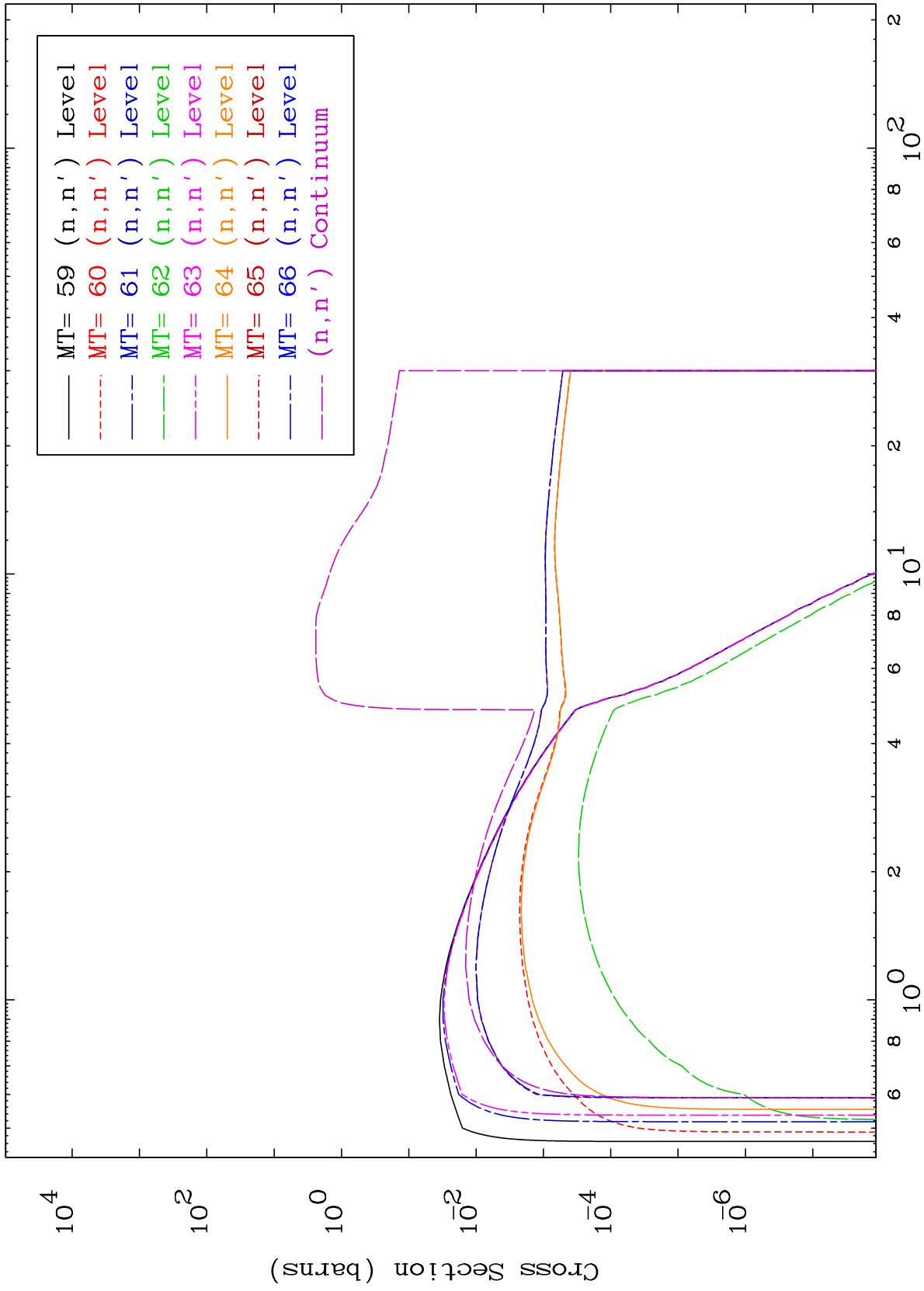




MAT 7301

(n,n') Level  
293 Kelvin Cross Sections

73-Ta-172



8

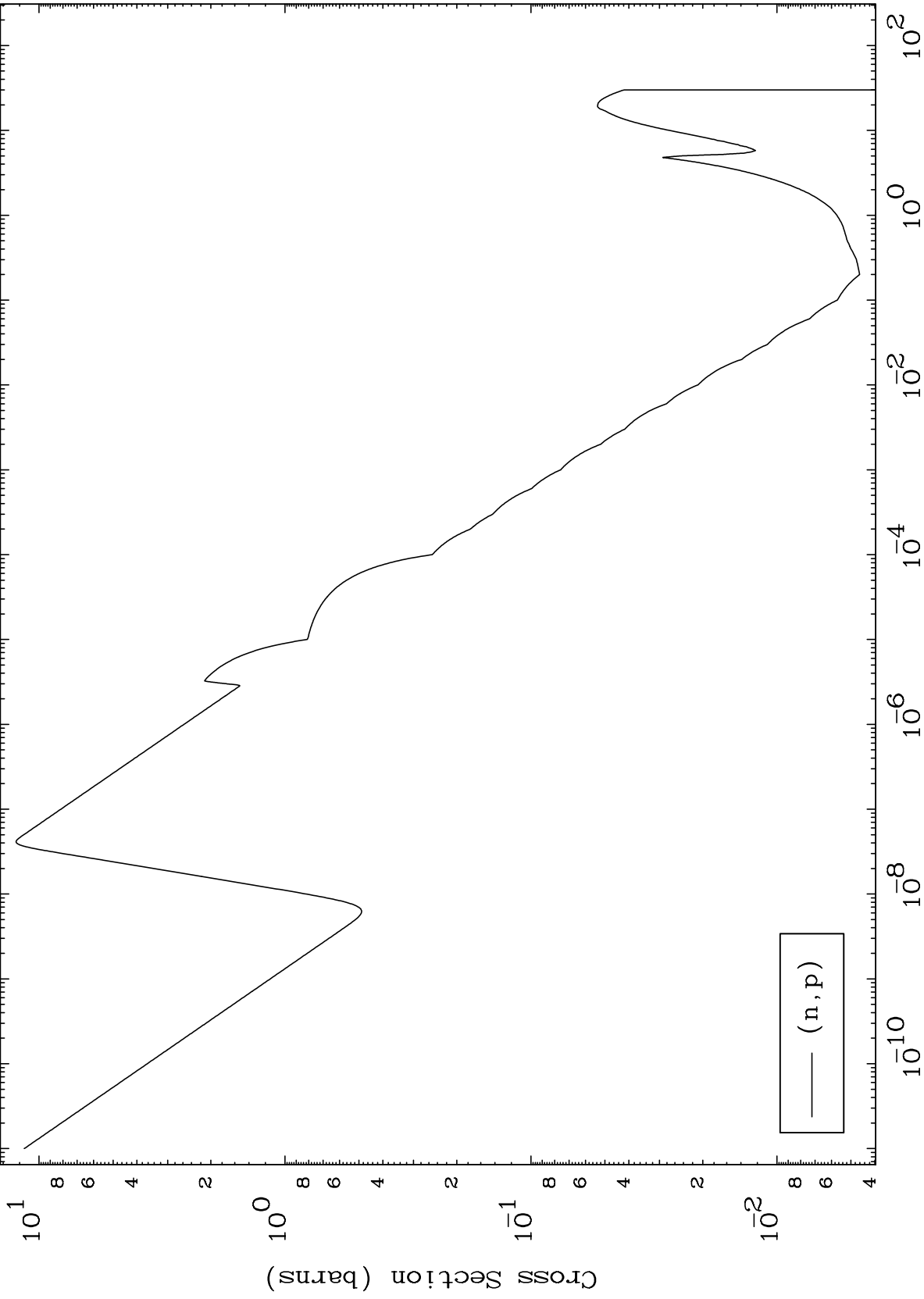
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,p) Levels  
293 Kelvin Cross Sections

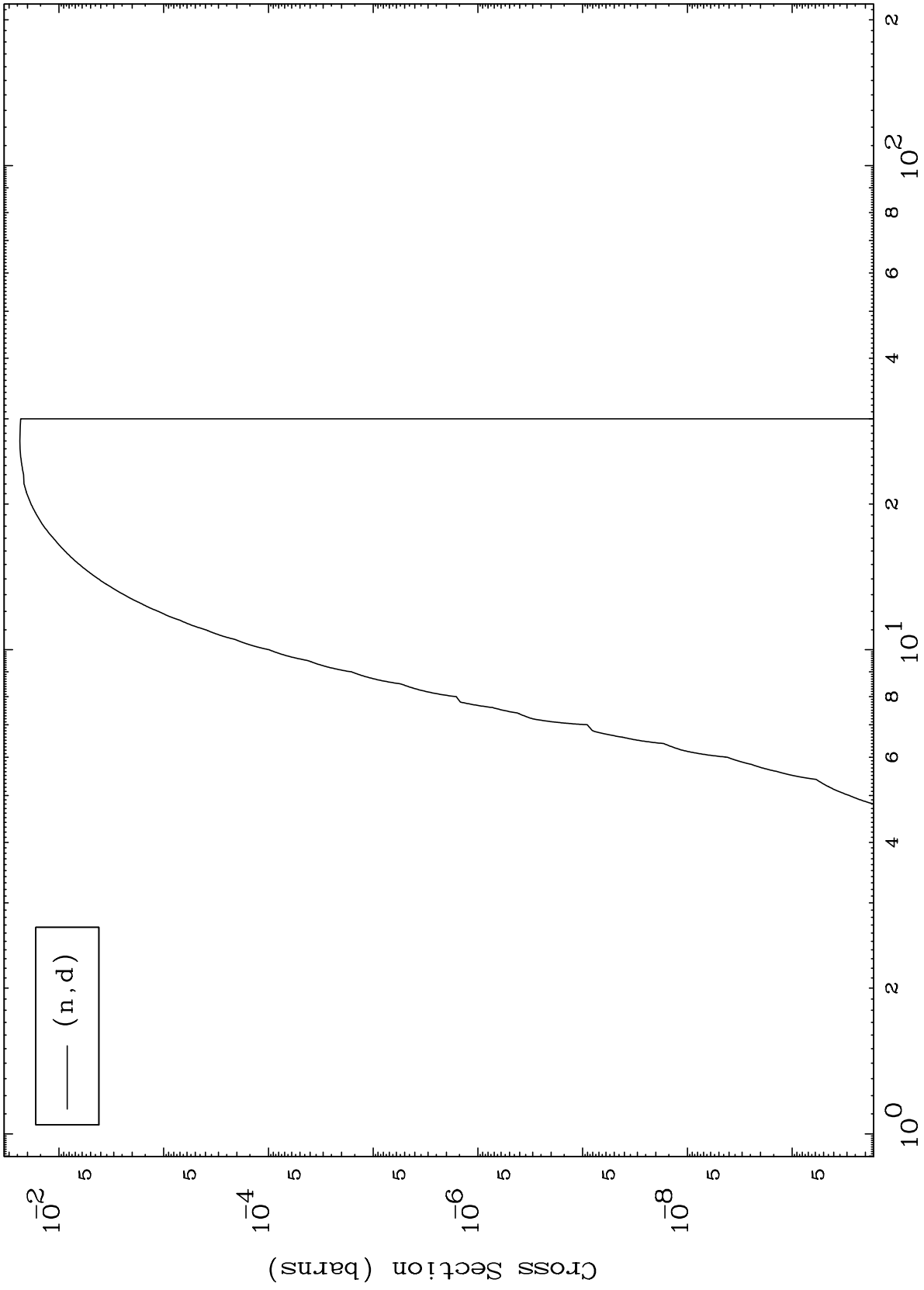
73-Ta-172



MAT 7301

(n,d) Levels  
293 Kelvin Cross Sections

73-Ta-172



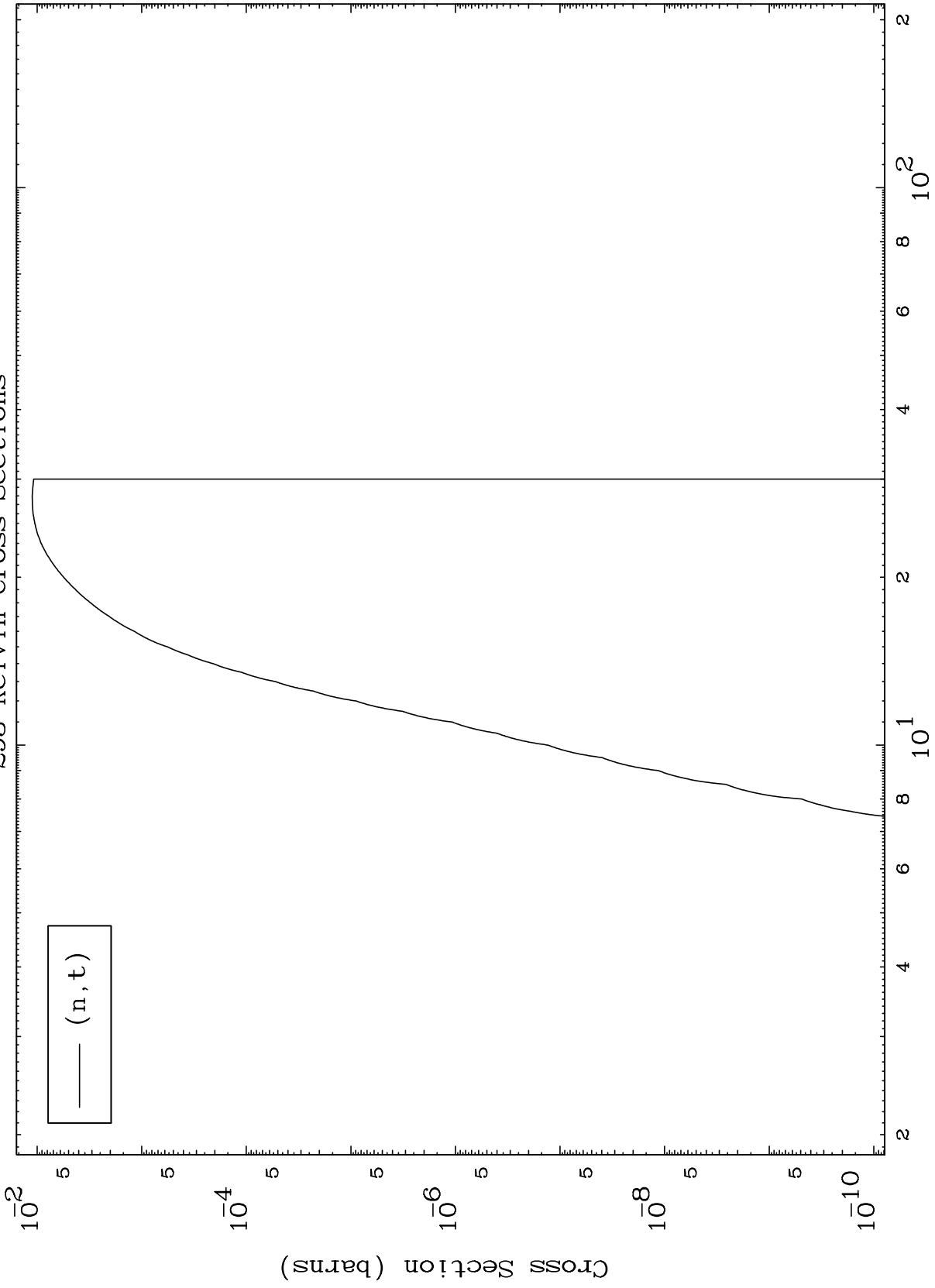
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-172



11

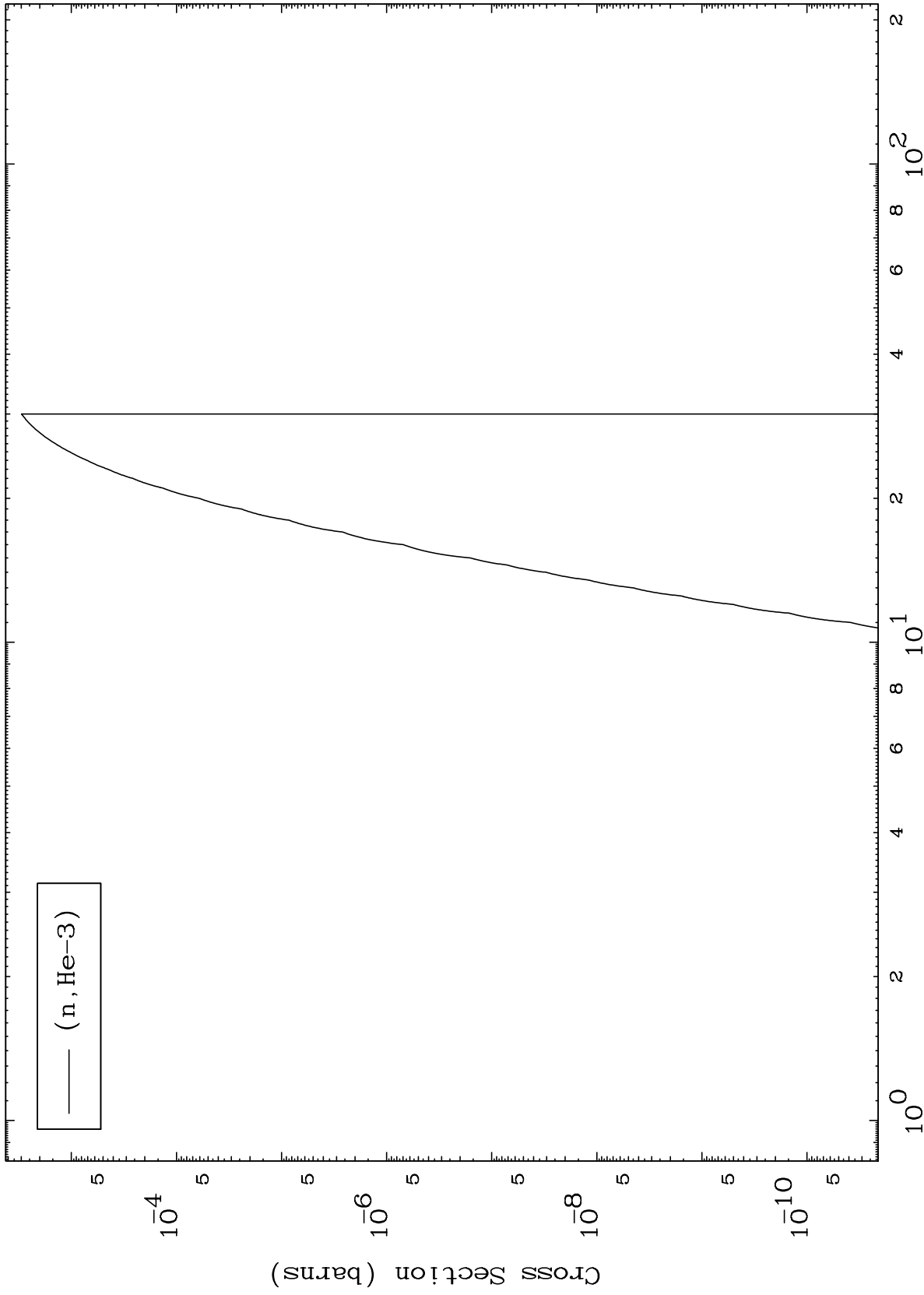
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-172



12

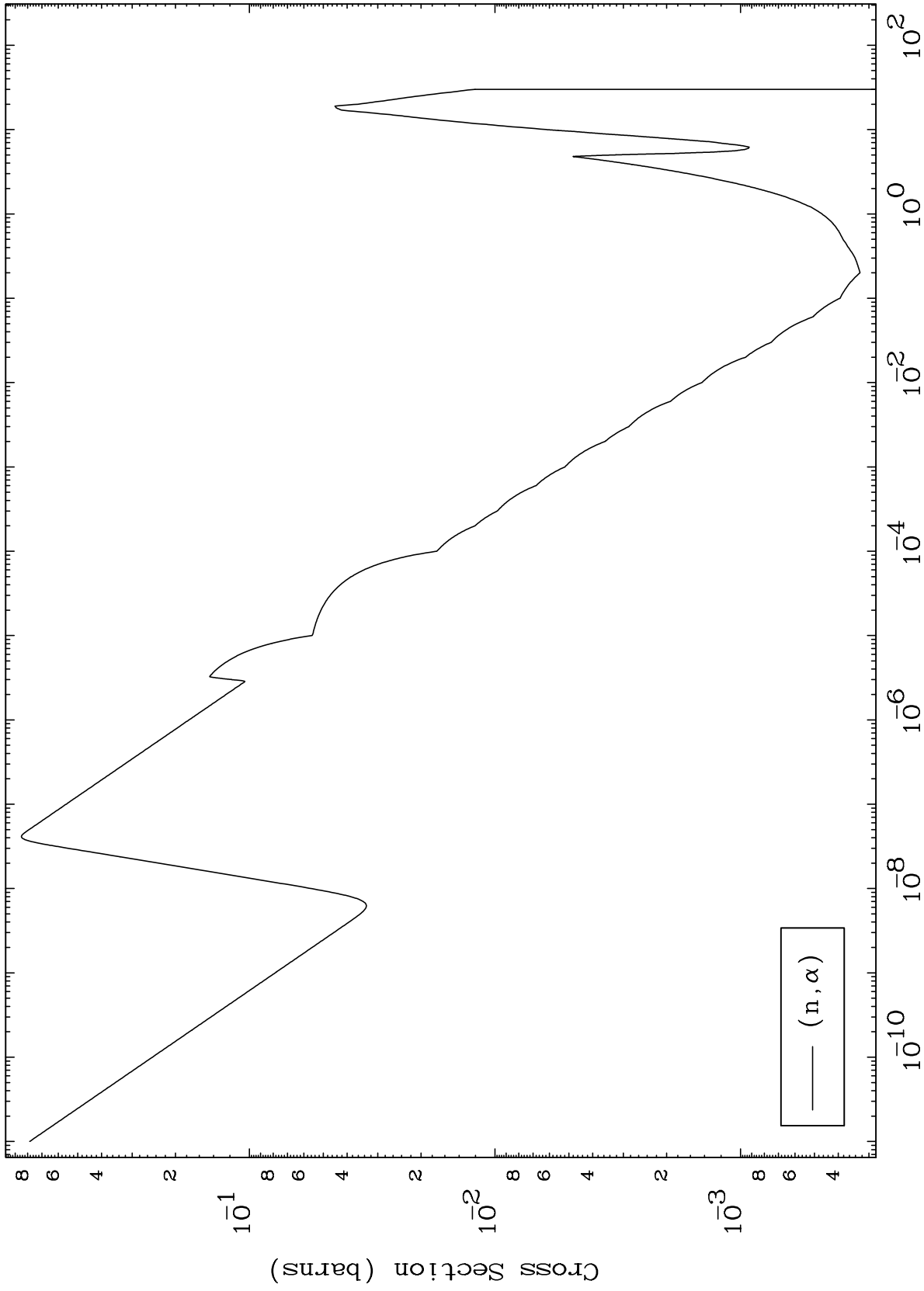
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,α) Levels  
293 Kelvin Cross Sections

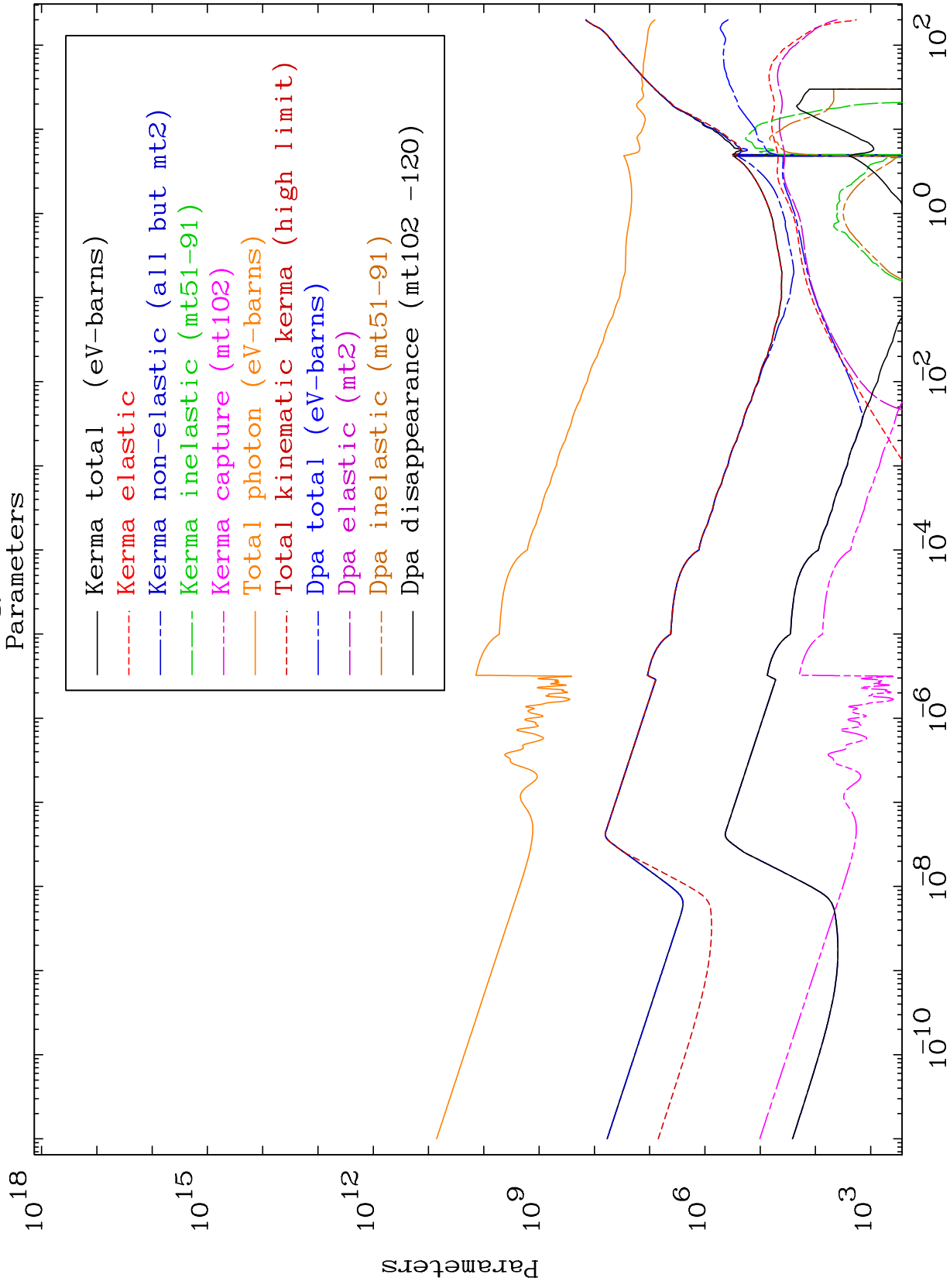
73-Ta-172

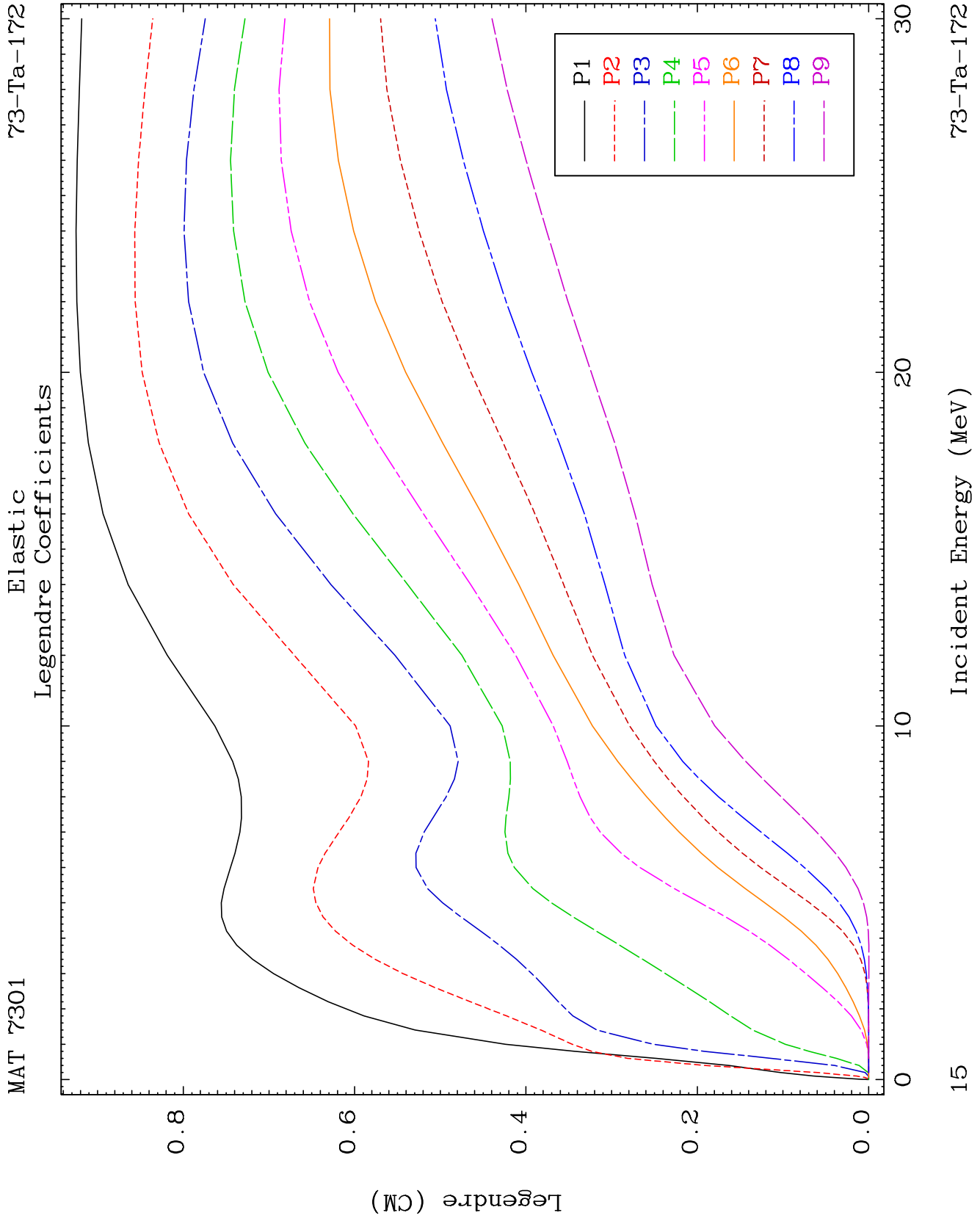


13

Incident Energy (MeV)

73-Ta-172



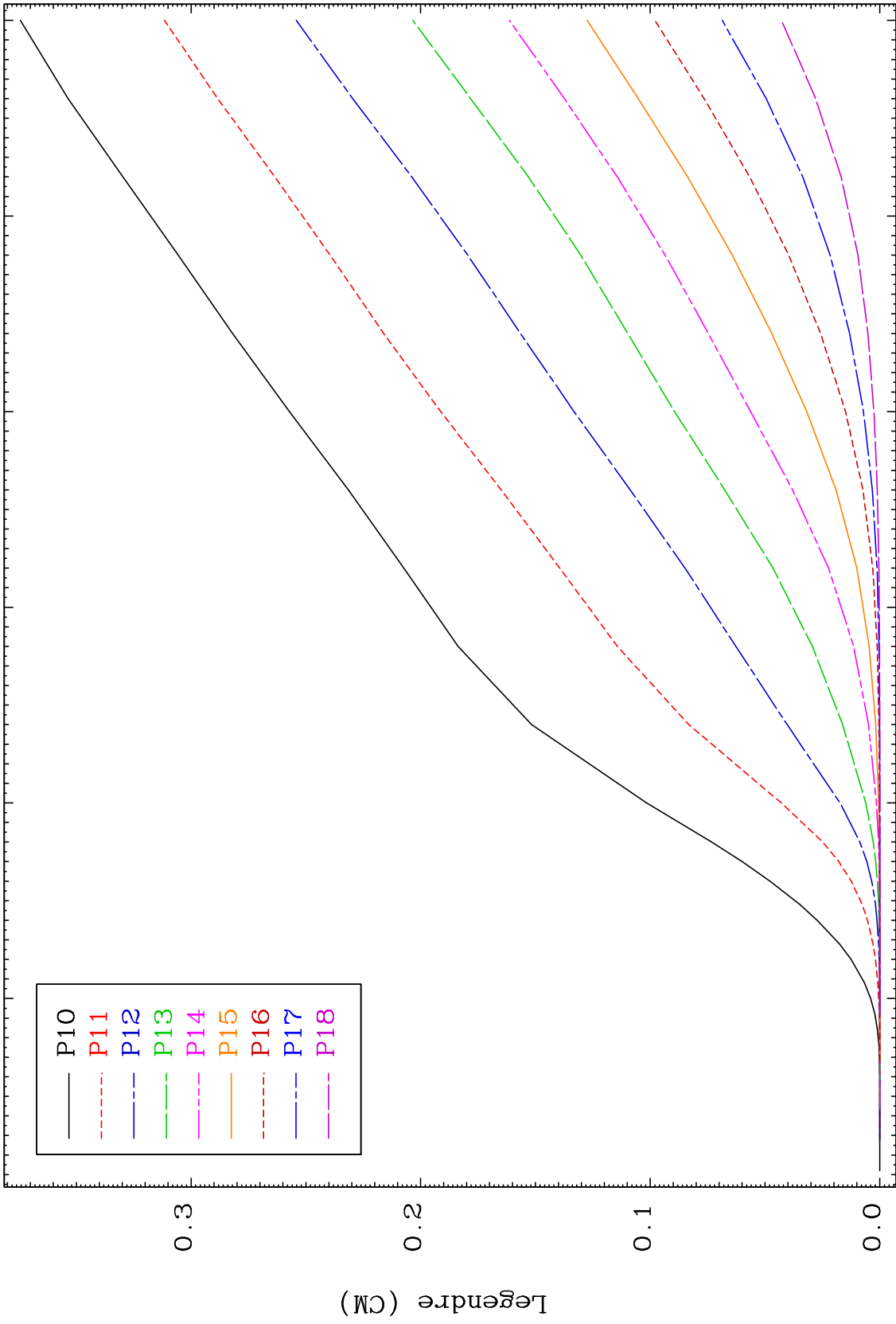




MAT 7301

Elastic Legendre Coefficients

<sup>73</sup>Ta-172



16

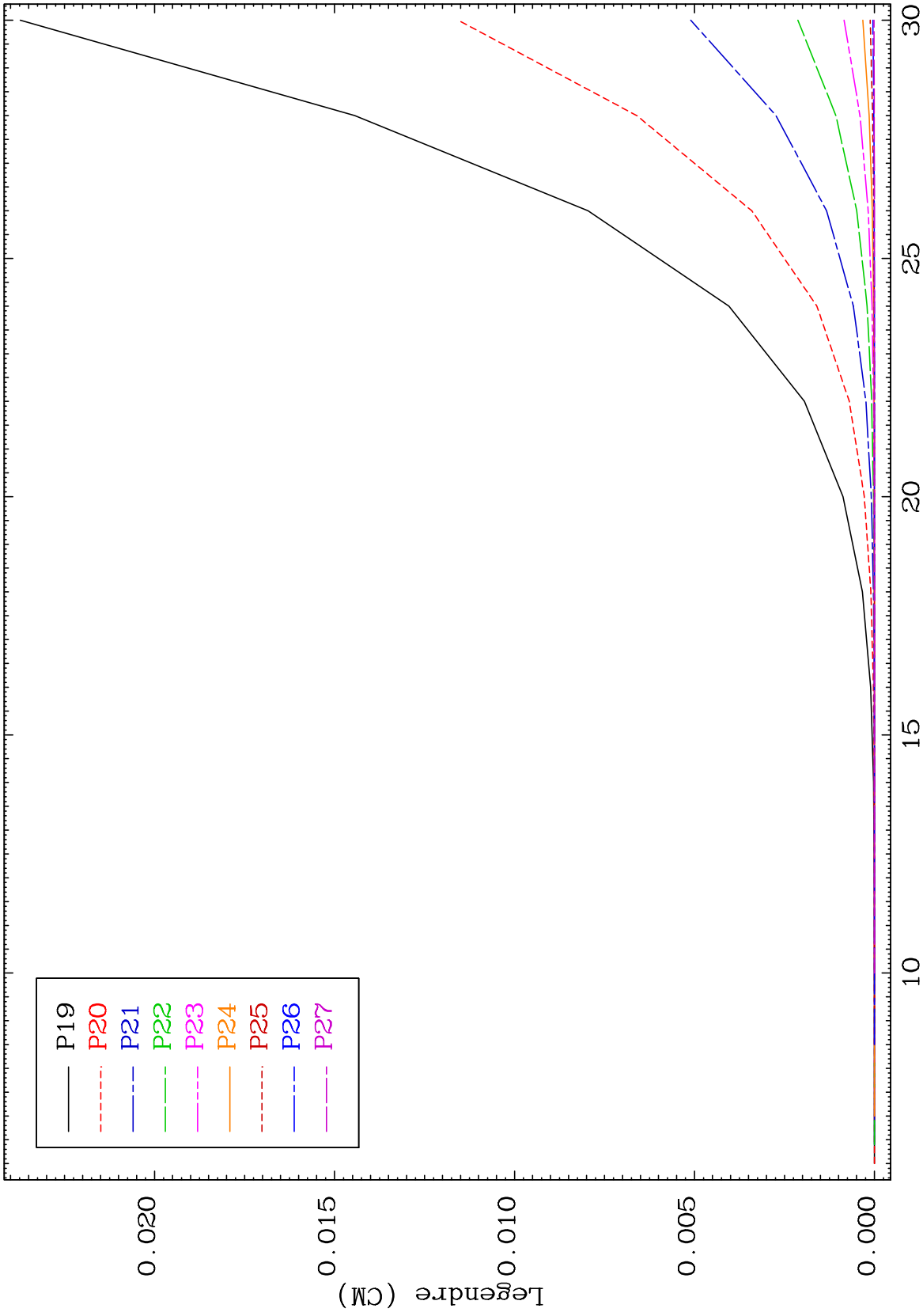
Incident Energy (MeV)

<sup>73</sup>Ta-172

MAT 7301

Elastic Legendre Coefficients

73-Ta-172



17

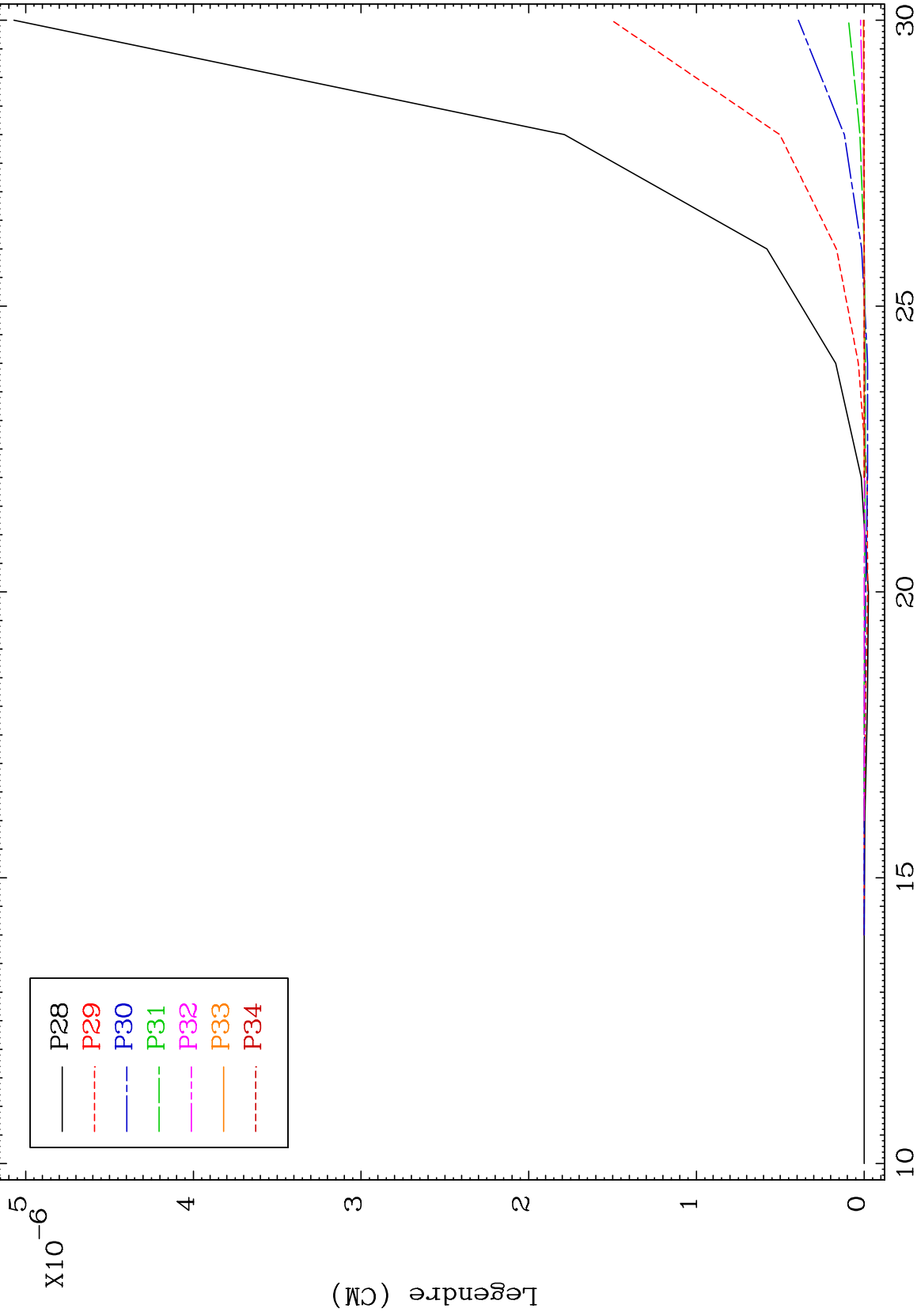
Incident Energy (MeV)

73-Ta-172

MAT 7301

Elastic Legendre Coefficients

<sup>73</sup>Ta-172



18

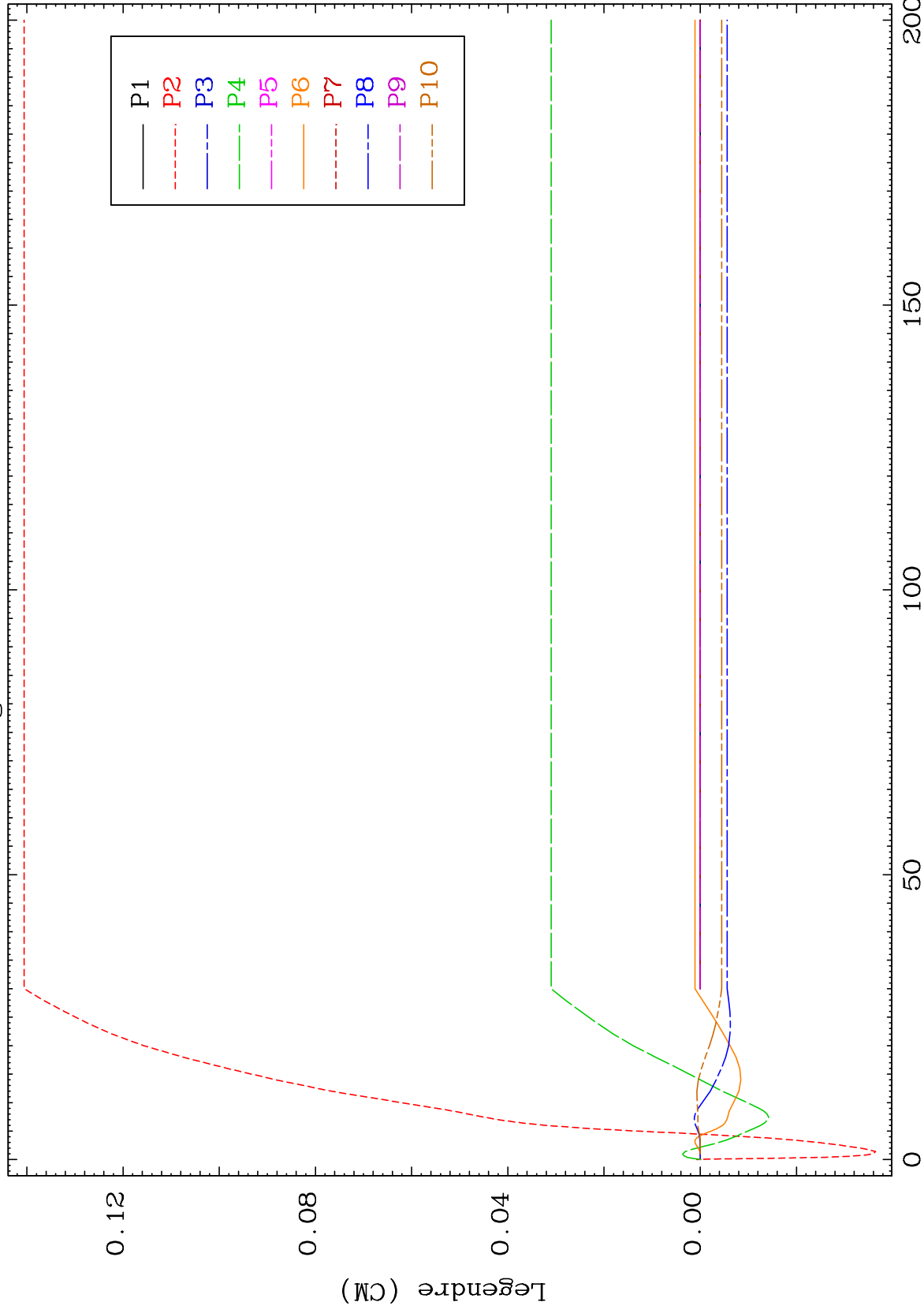
Incident Energy (MeV)

<sup>73</sup>Ta-172

MAT 7301

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

73-Ta-172



19

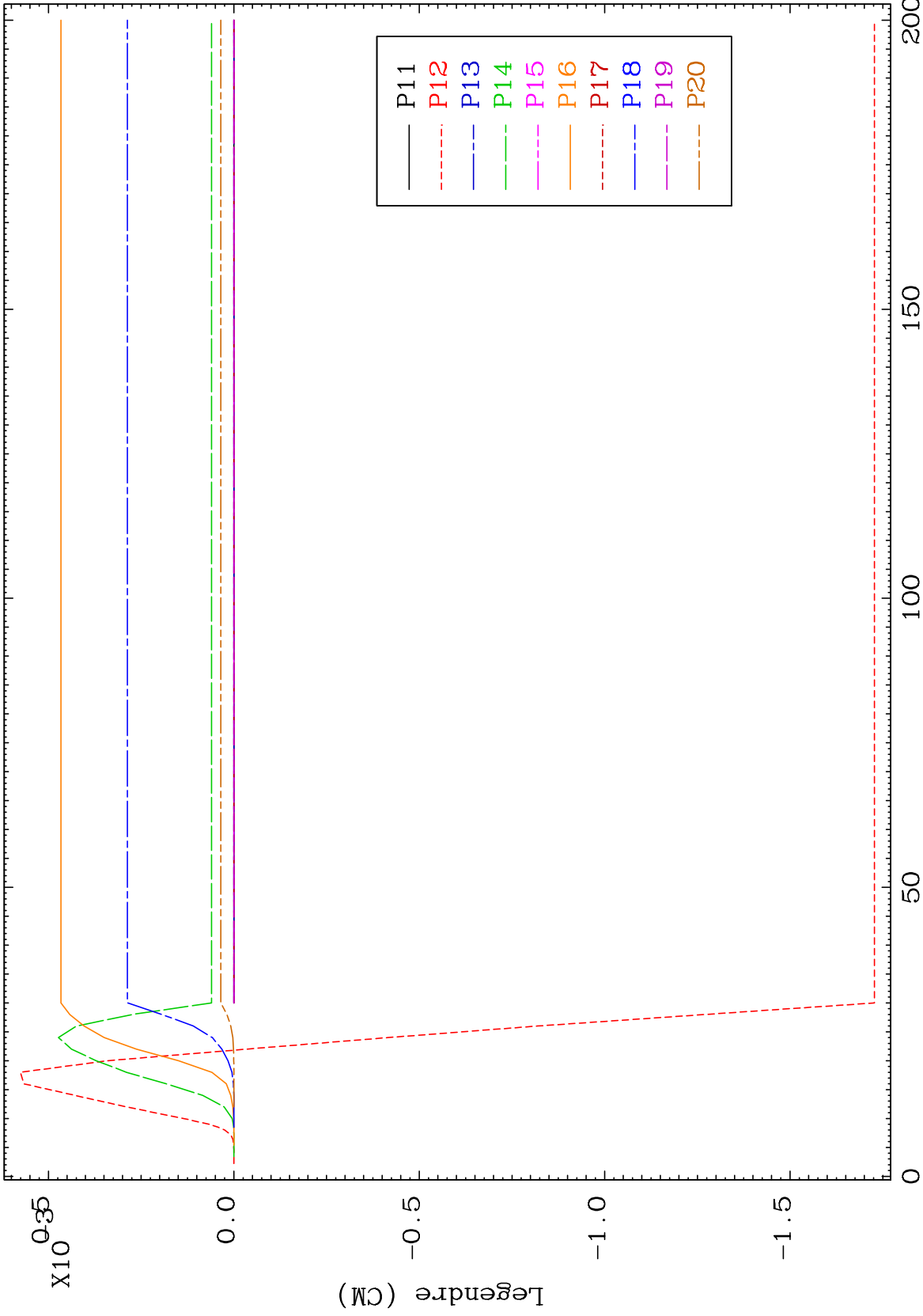
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



20

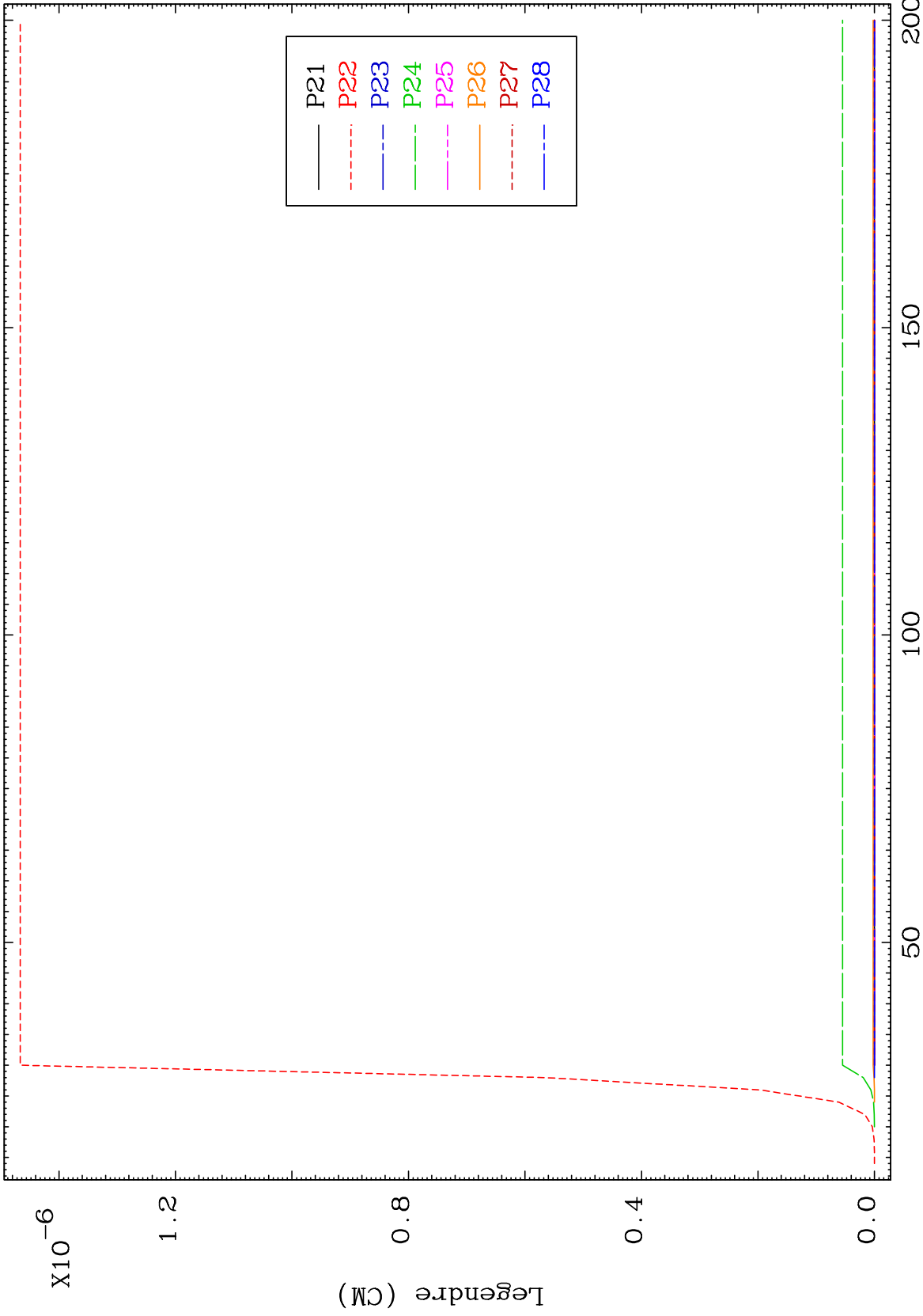
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



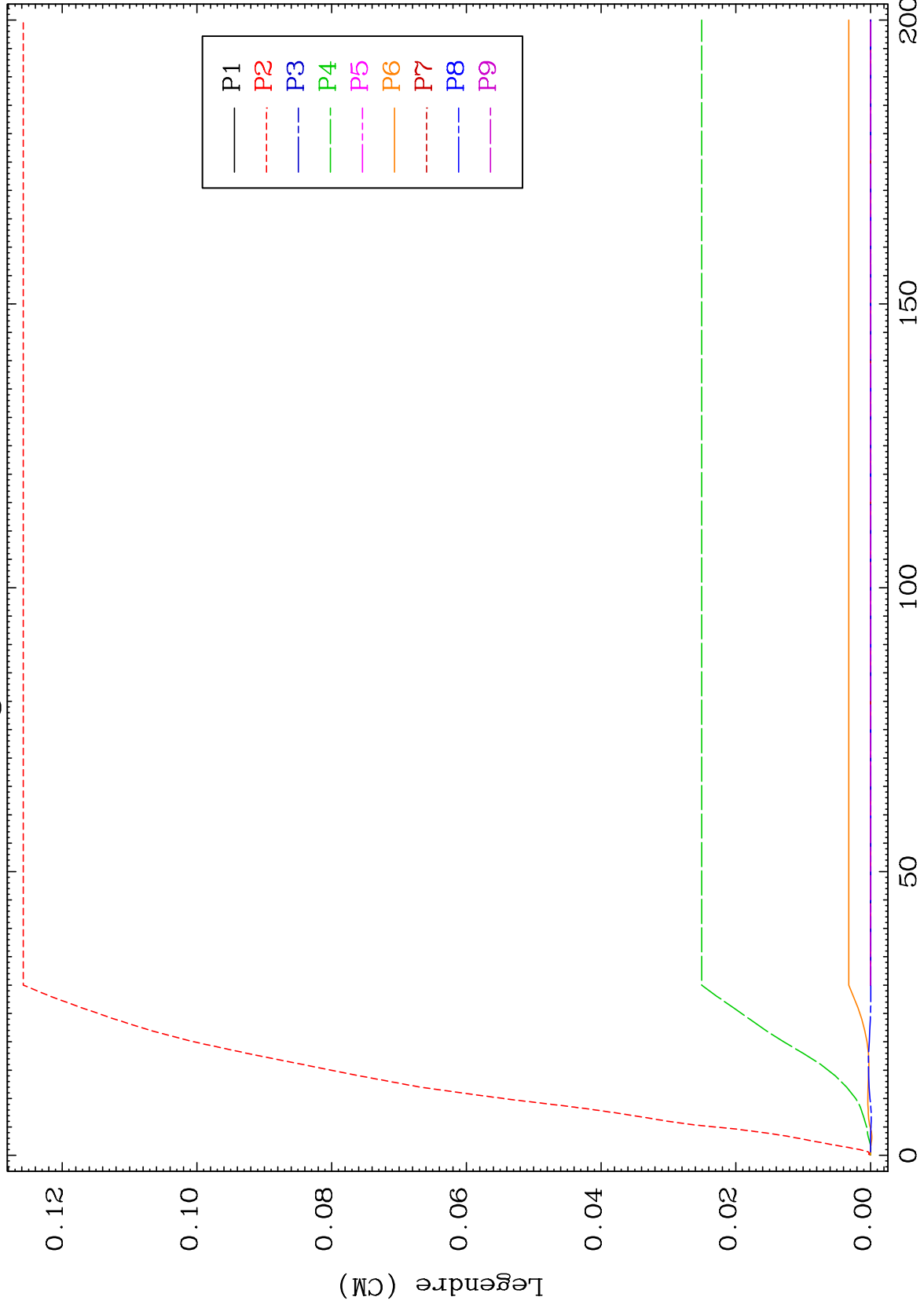
21

73-Ta-172

MAT 7301

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

73-Ta-172



22

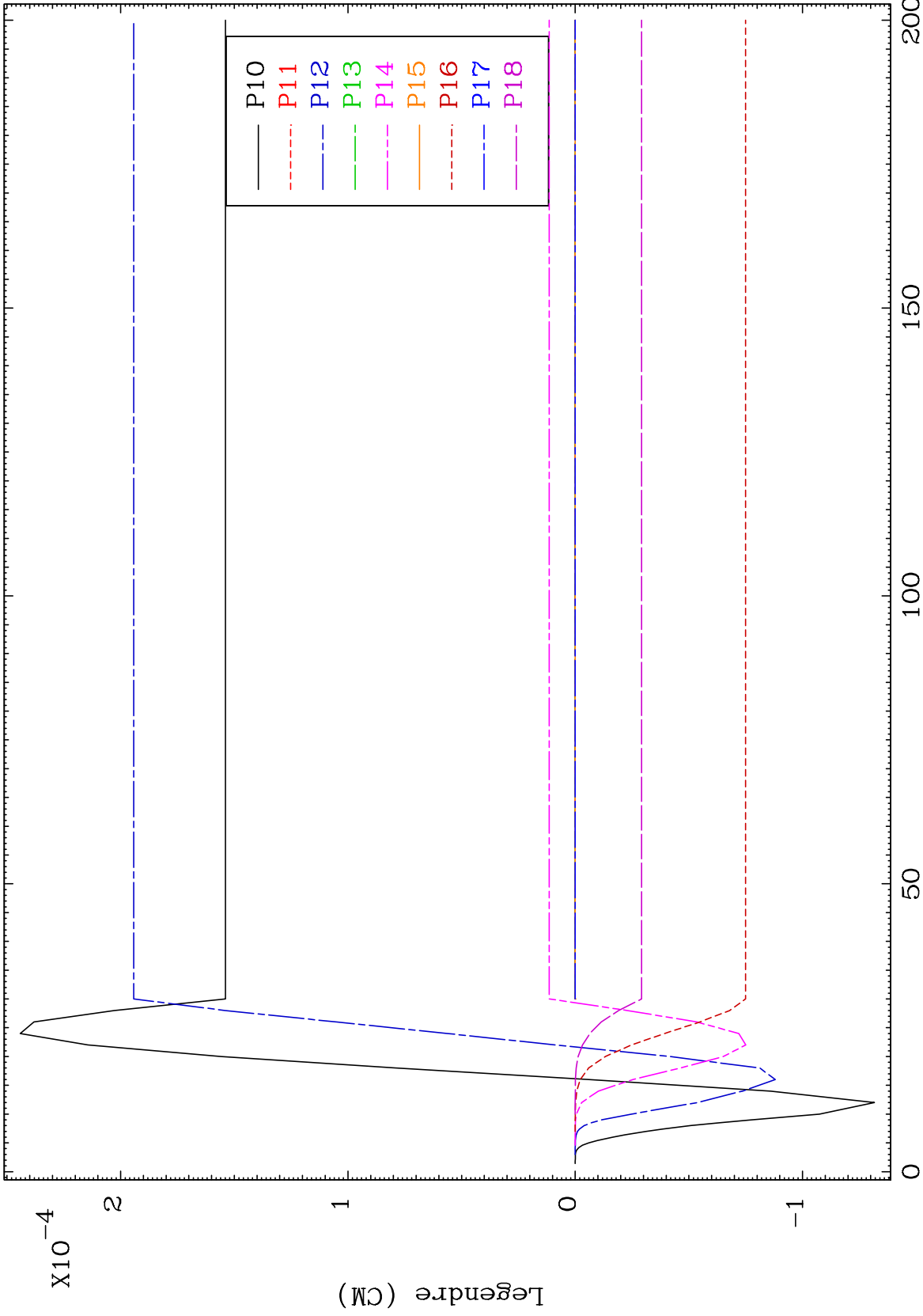
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172

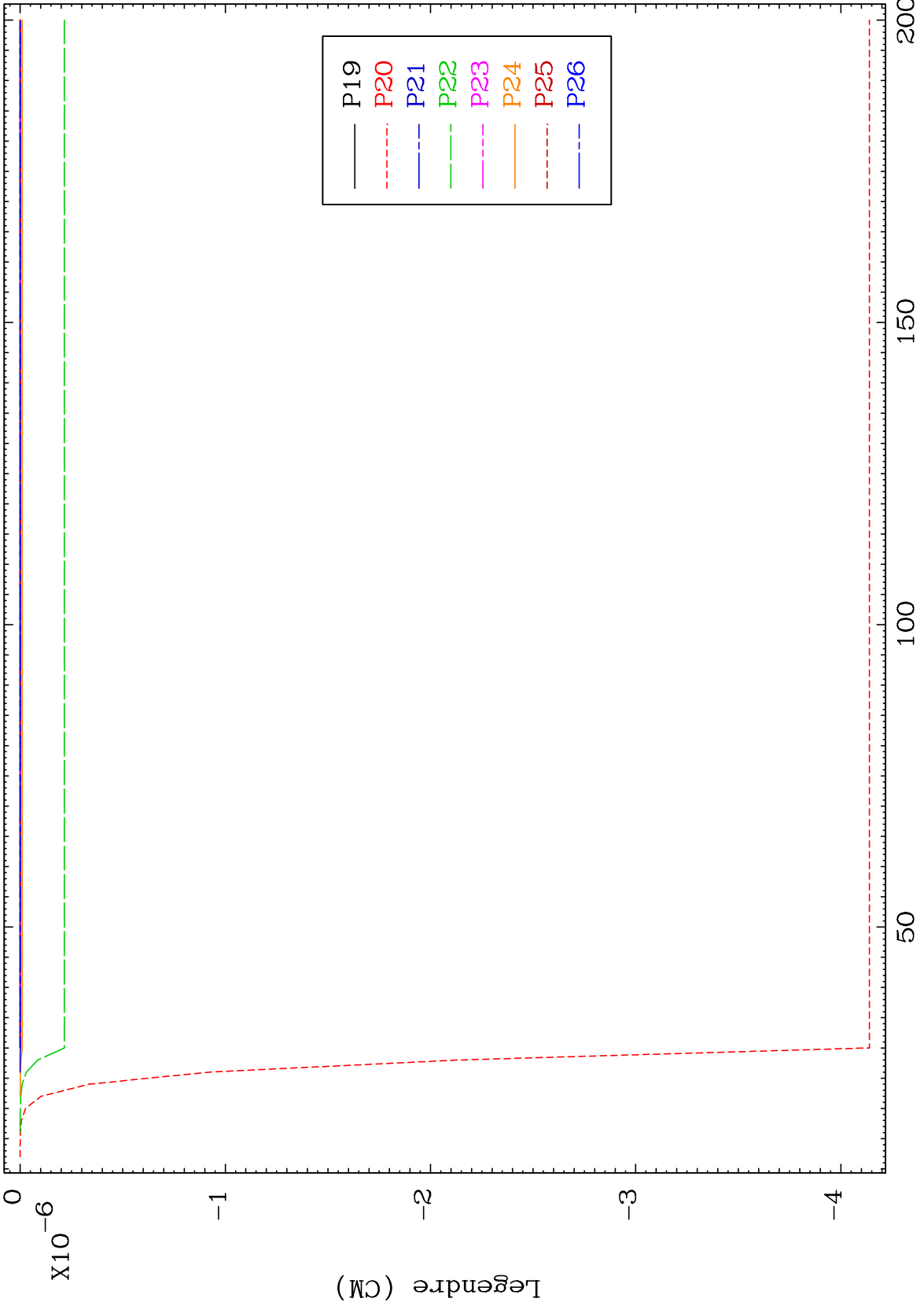


23

73-Ta-172



MAT 7301 MT= 52 (n,n') Level Legendre Coefficients 73-Ta-172

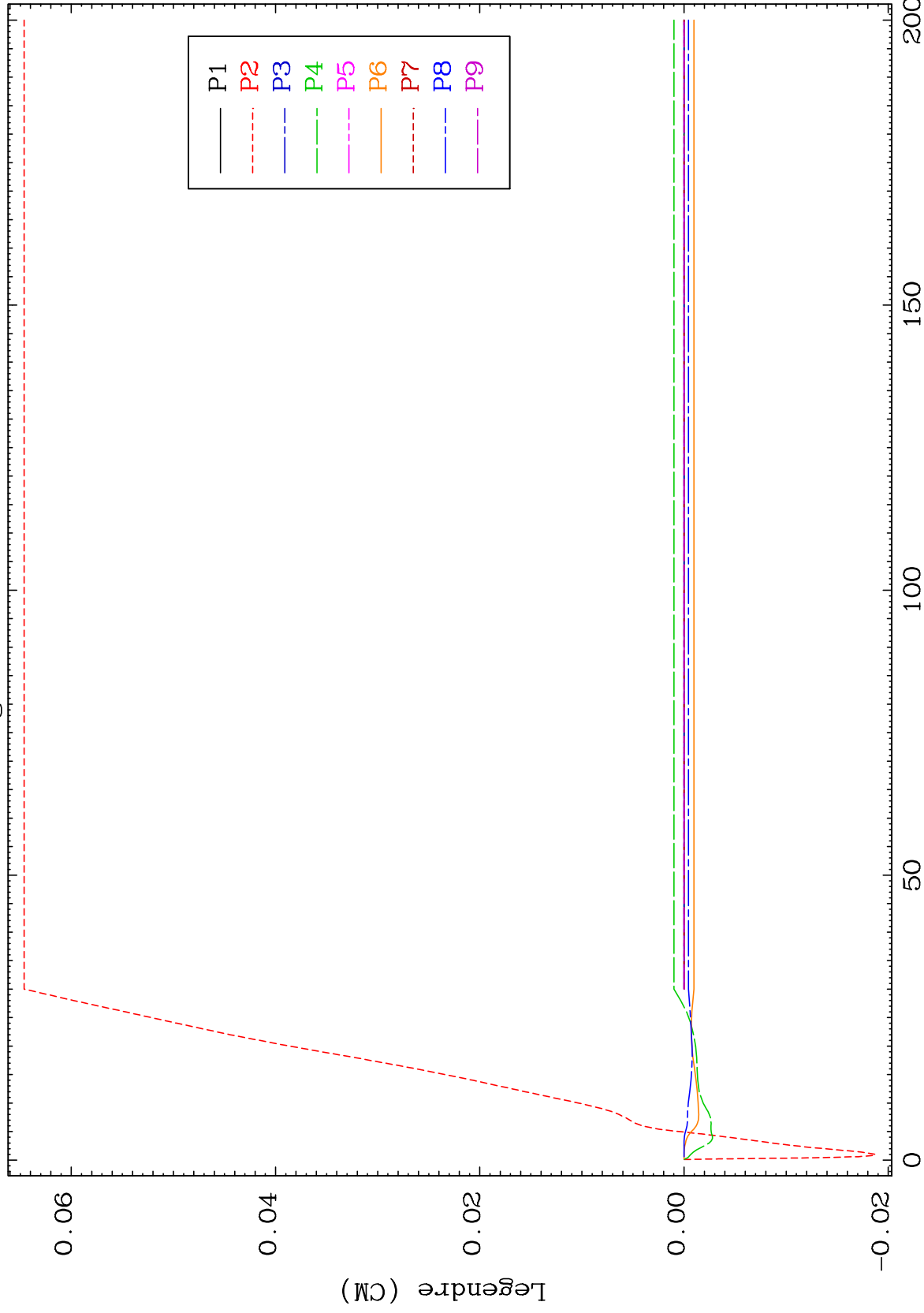


24 73-Ta-172

MAT 7301

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

73-Ta-172



73-Ta-172

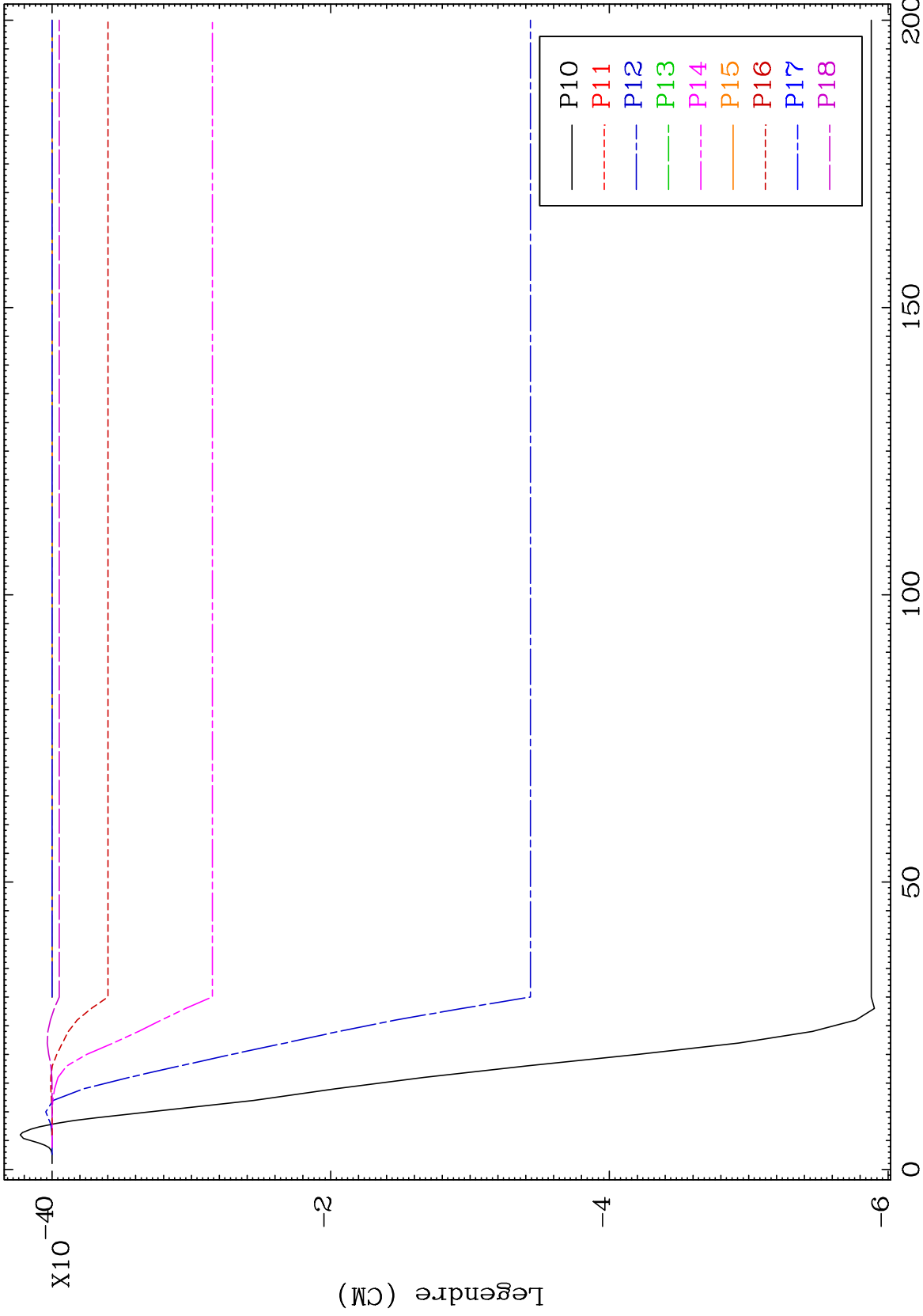
Incident Energy (MeV)

25

MAT 7301

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

73-Ta-172



26

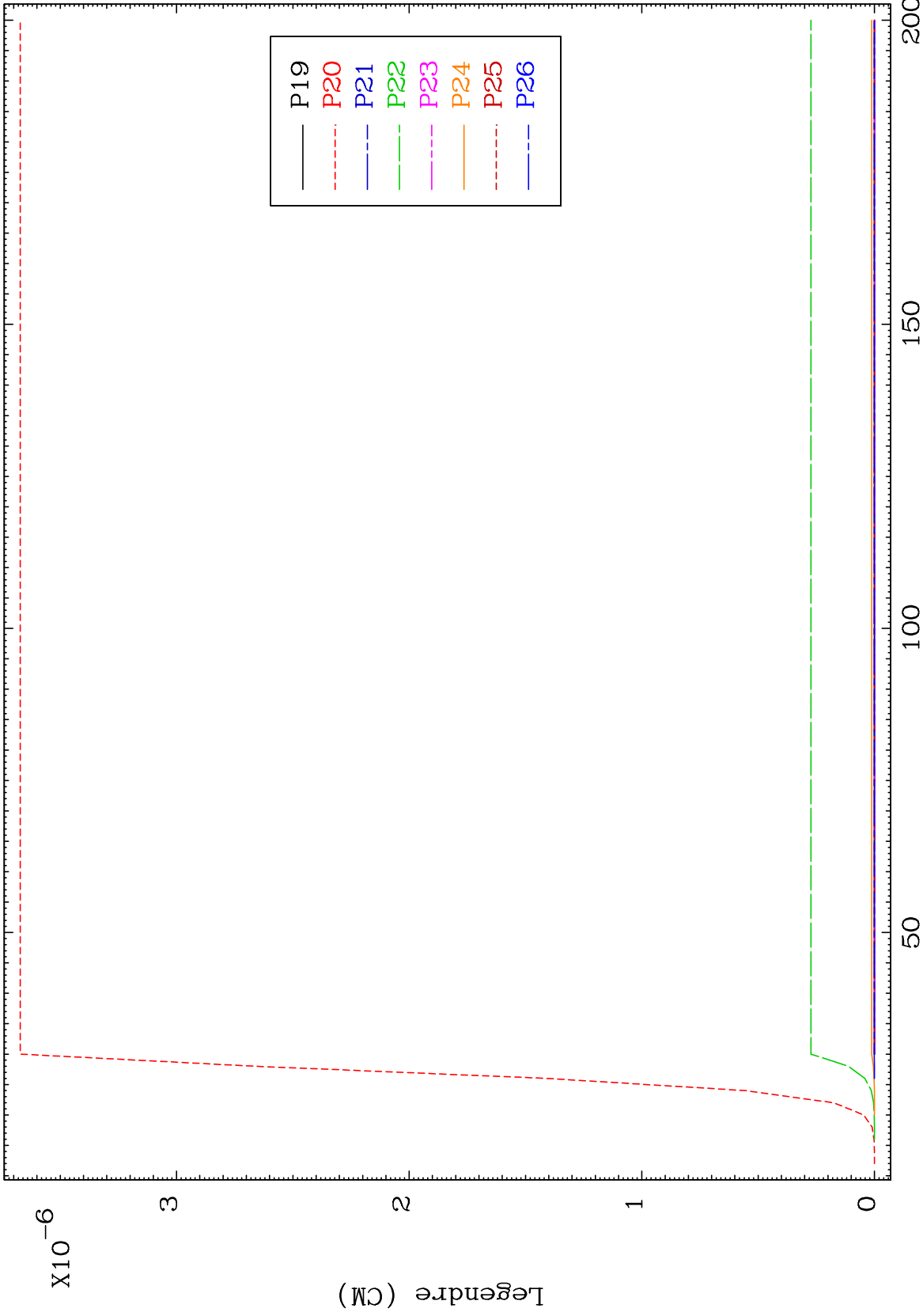
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



27

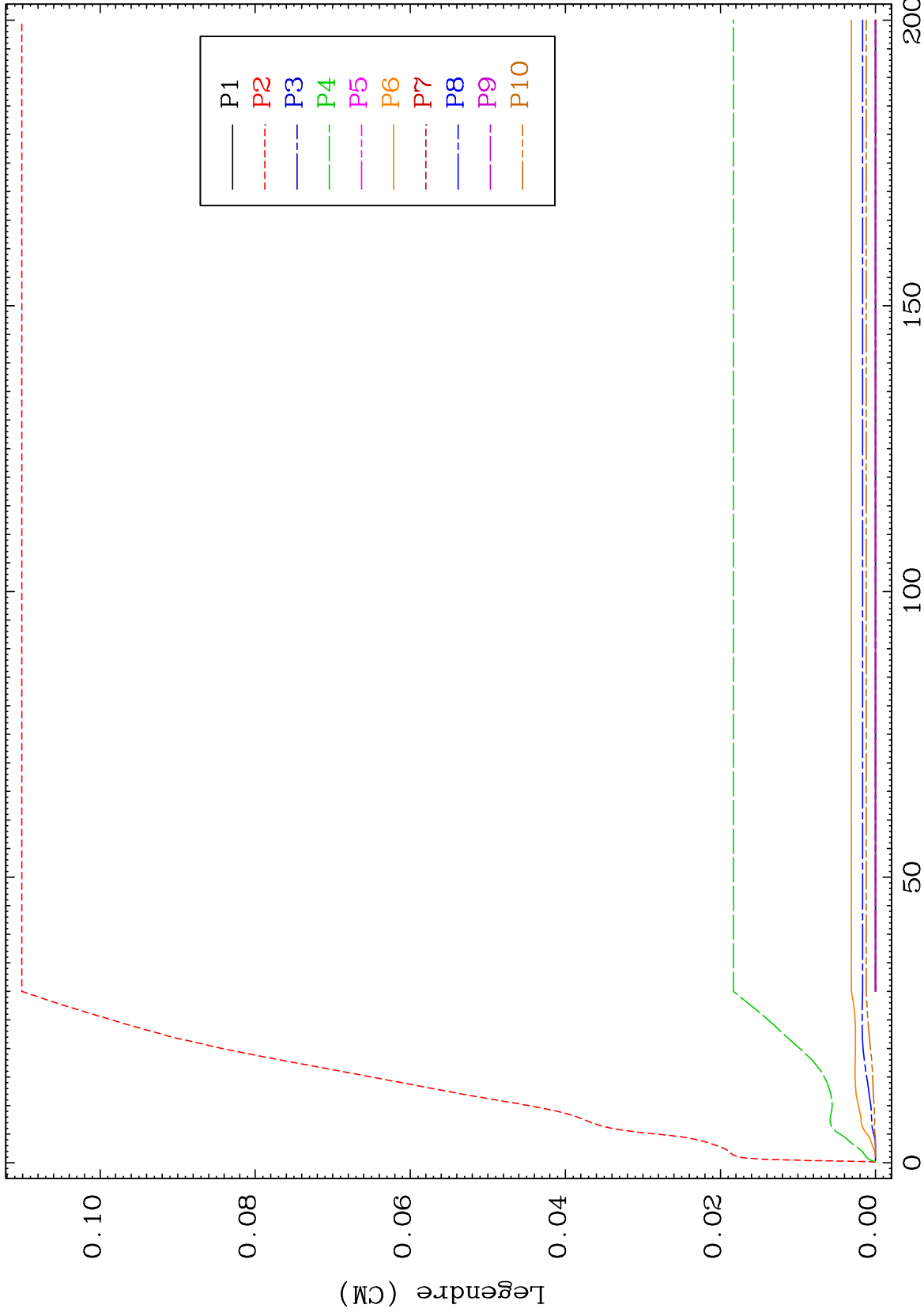
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



28

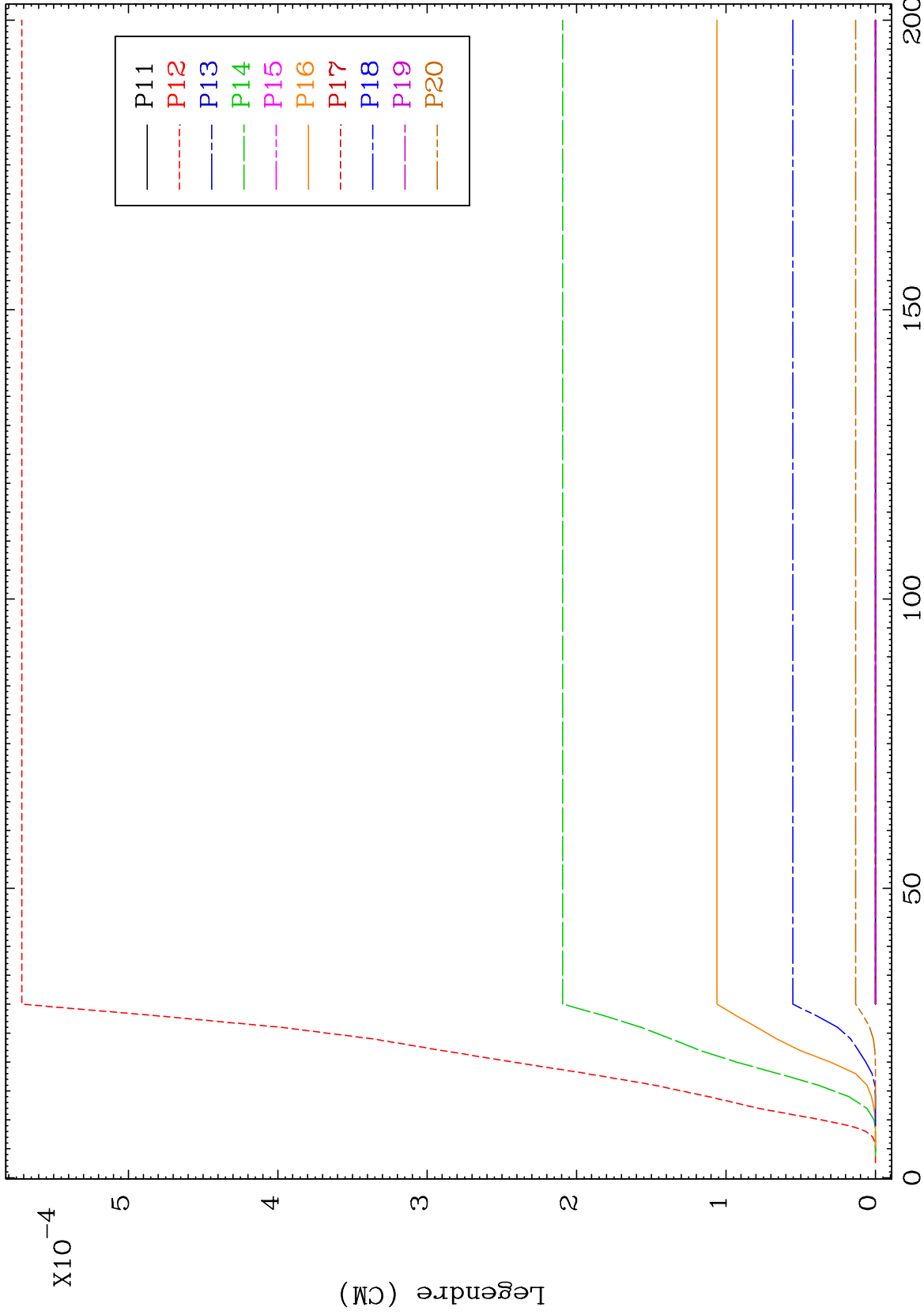
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



29

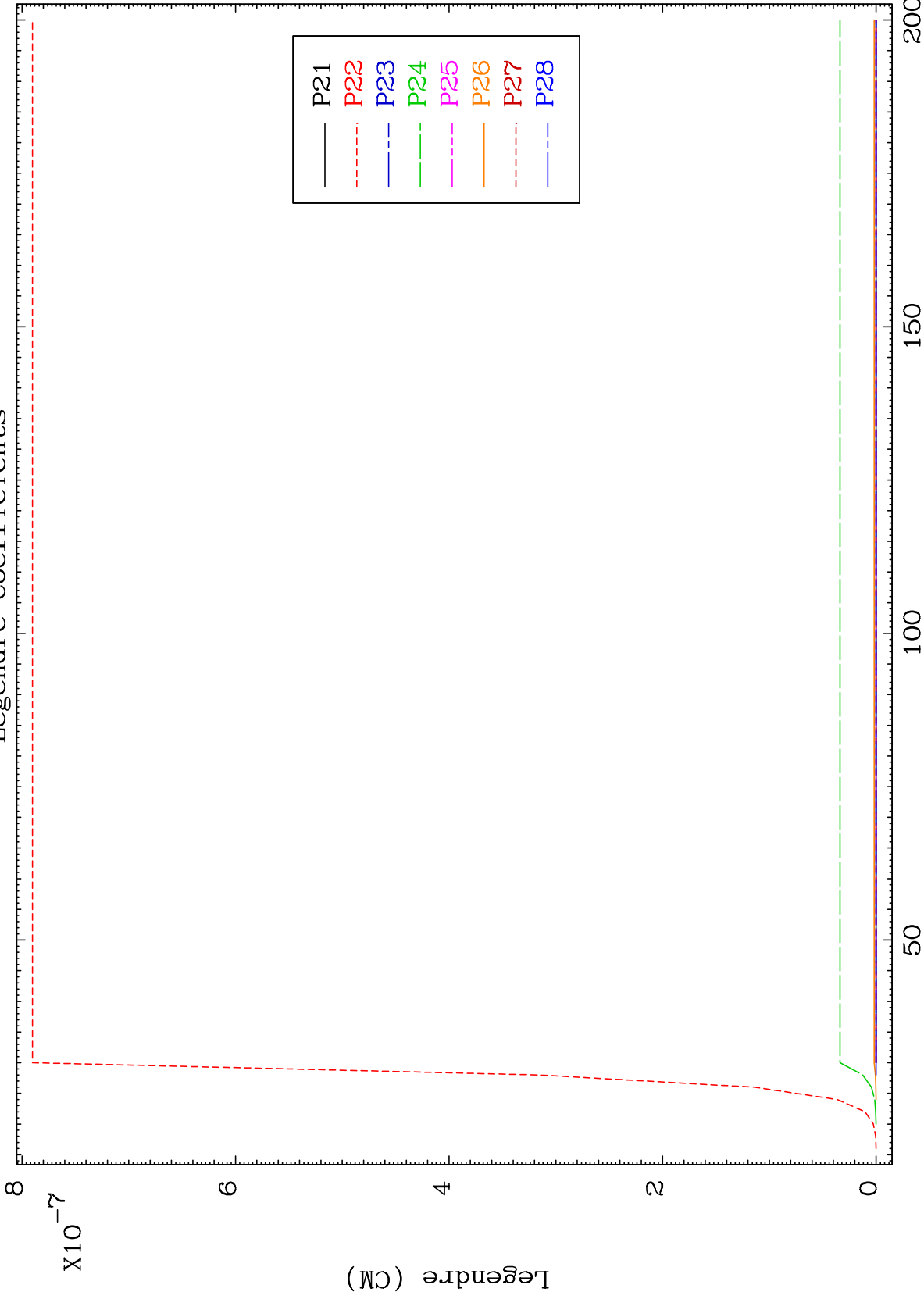
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



73-Ta-172

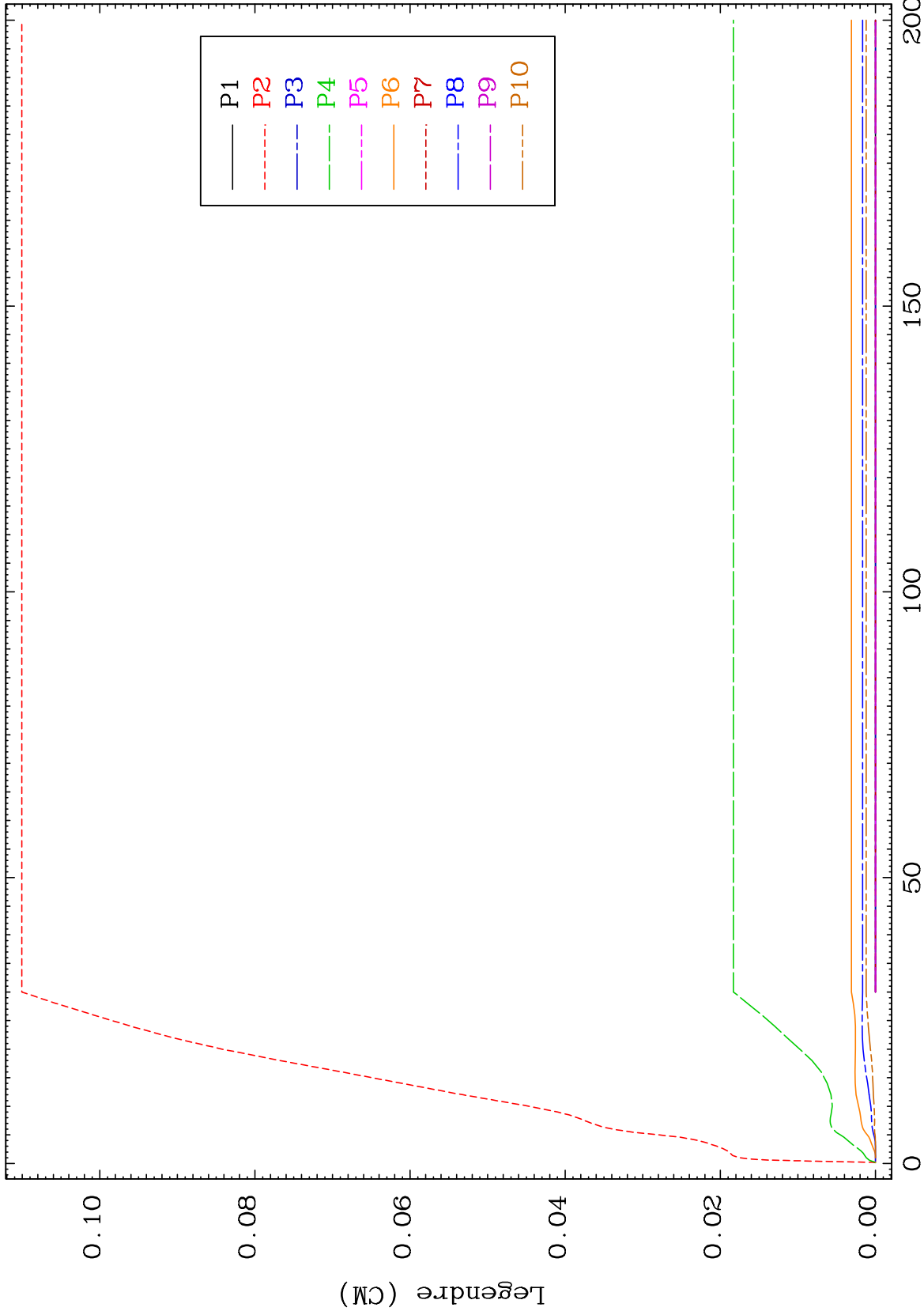
Incident Energy (MeV)

30

MAT 7301

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

73-Ta-172



31

Incident Energy (MeV)

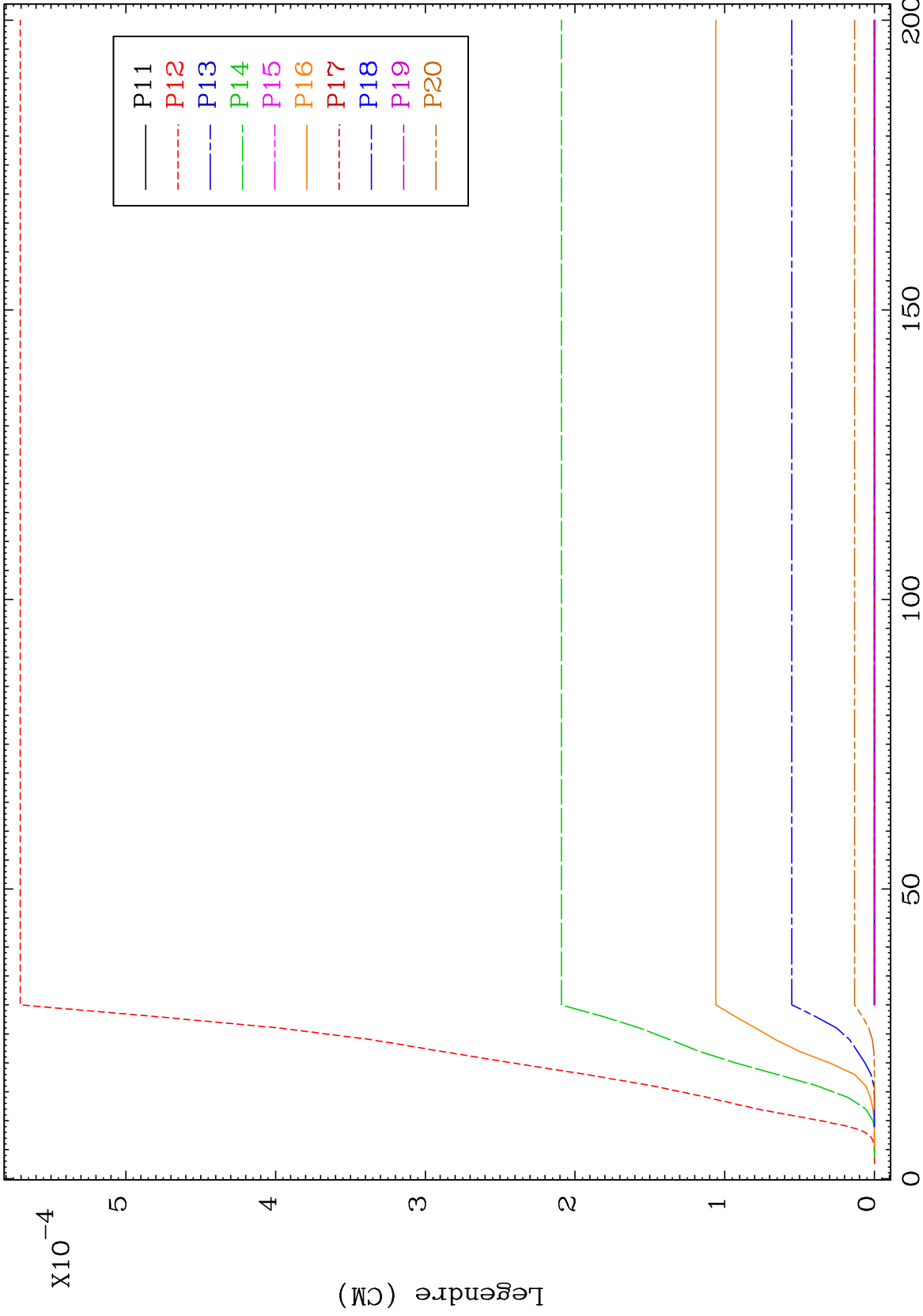
73-Ta-172



MAT 7301

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

73-Ta-172



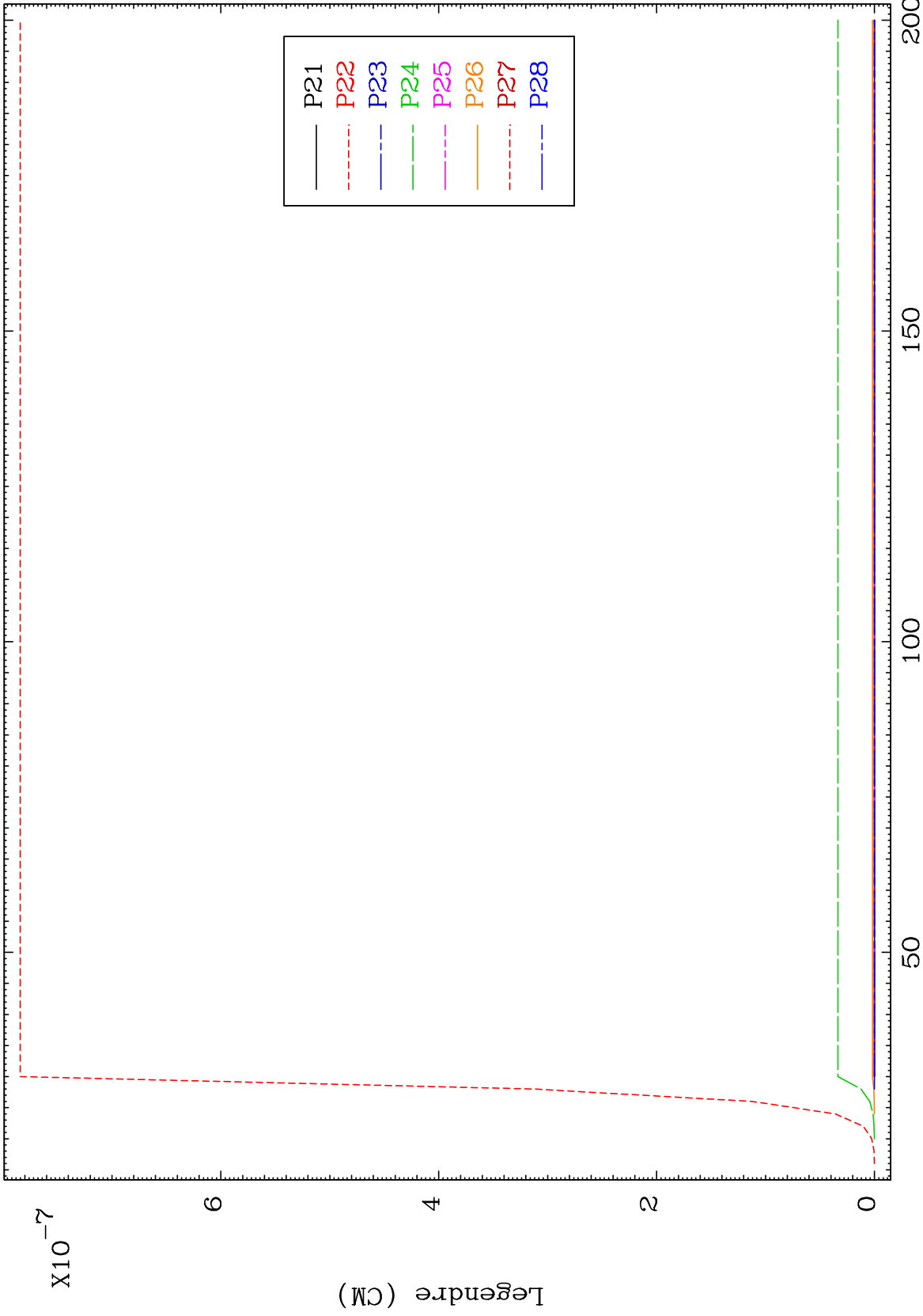
32

73-Ta-172

MAT 7301

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

73-Ta-172



33

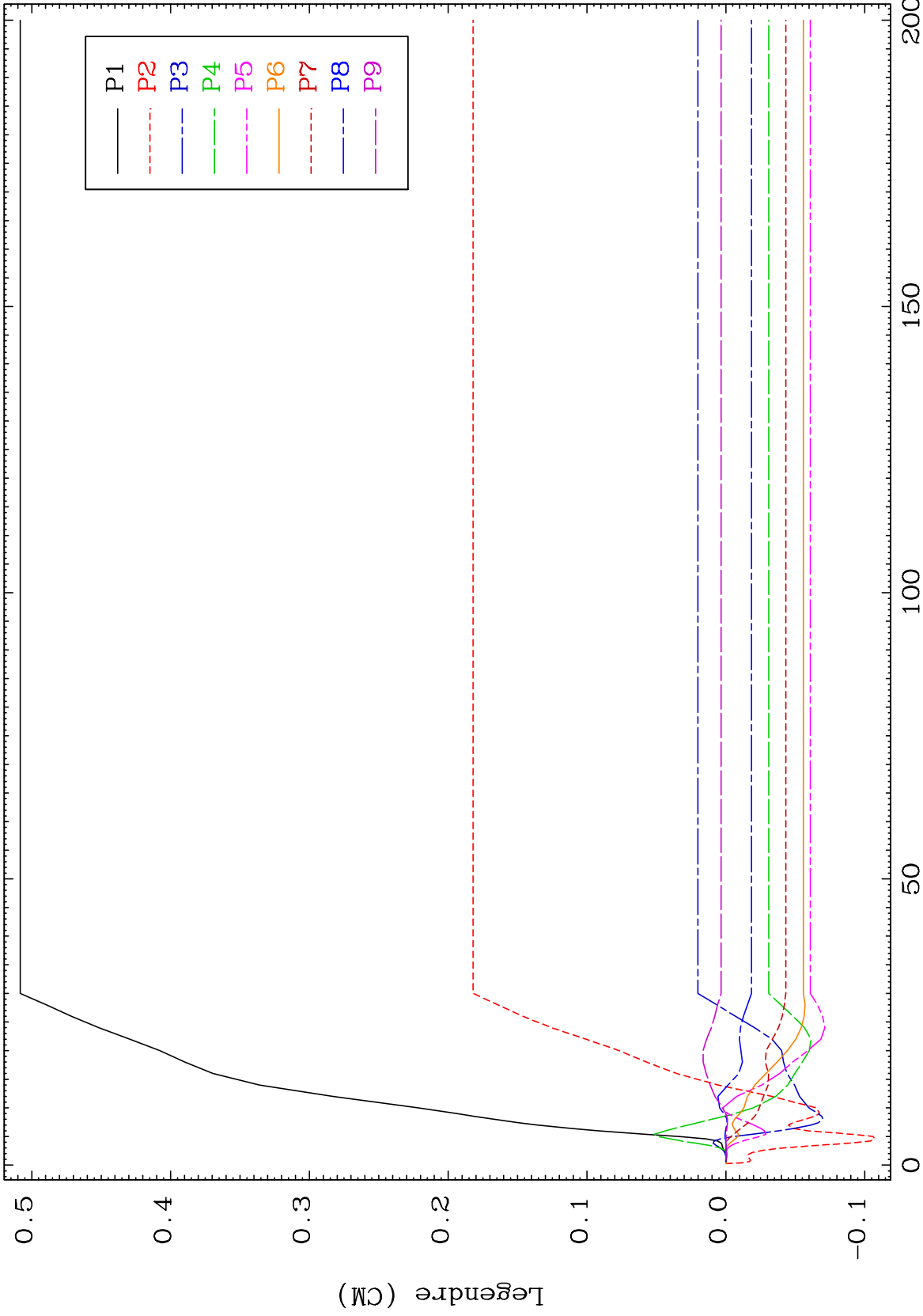
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



34

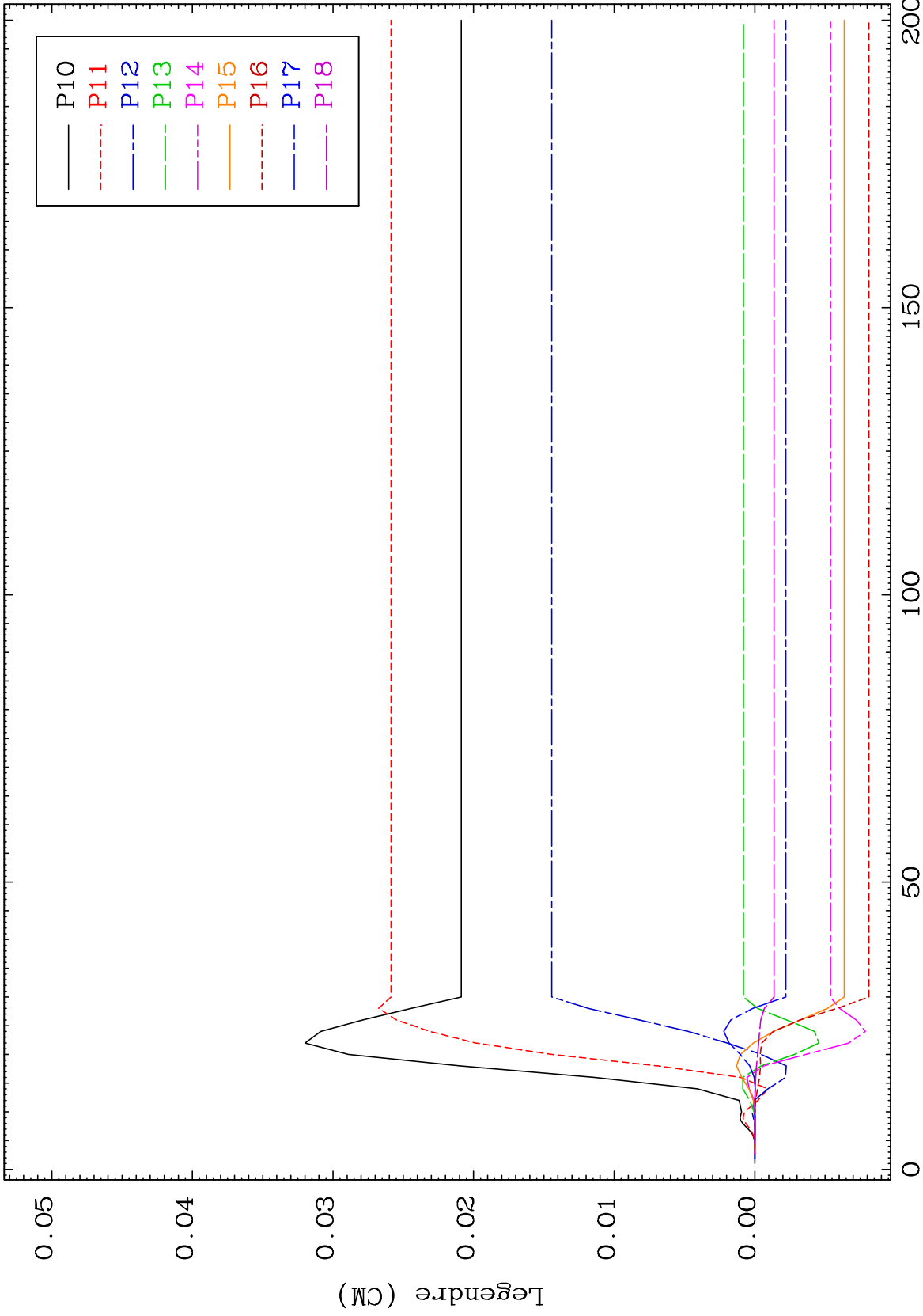
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



35

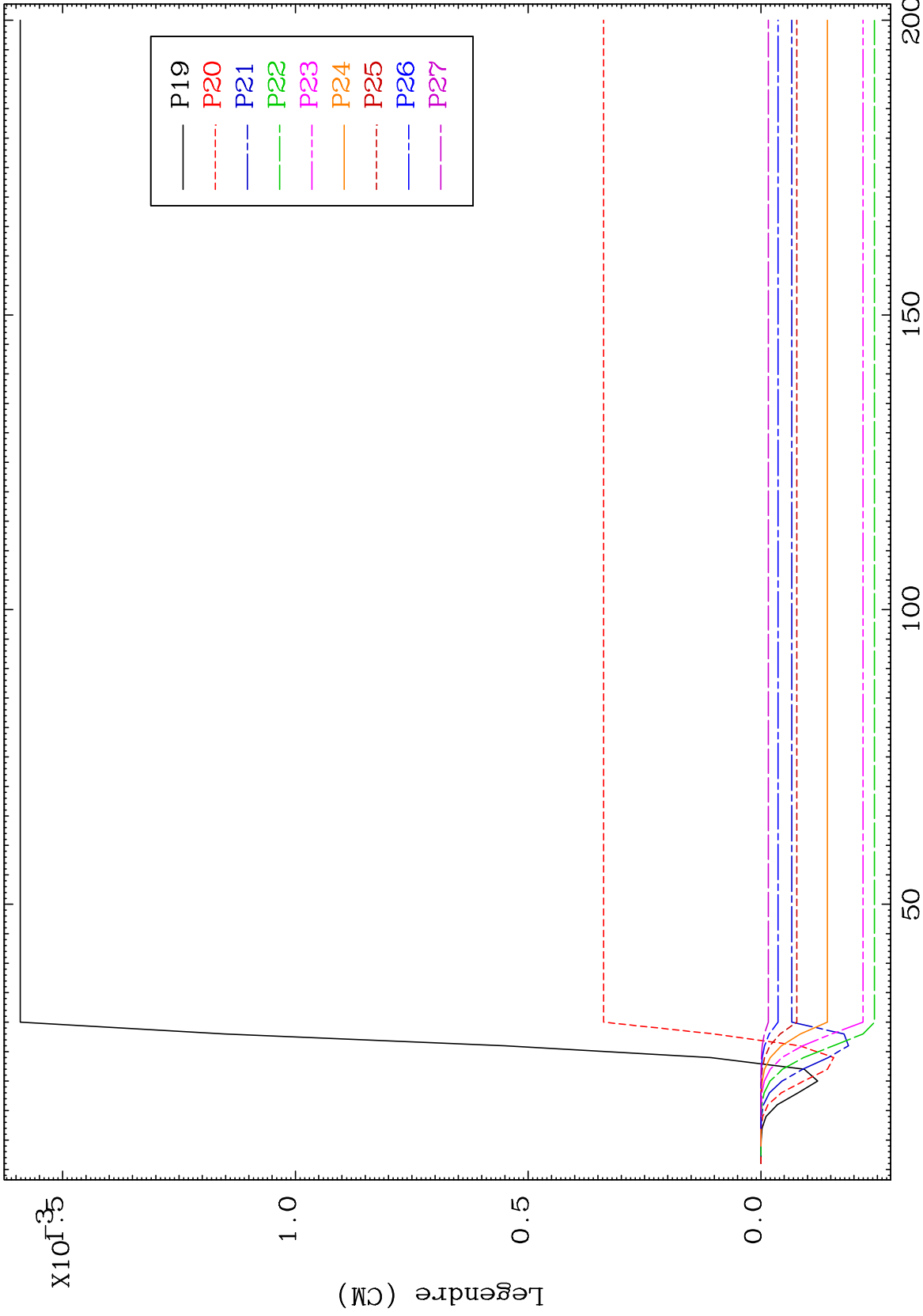
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



36

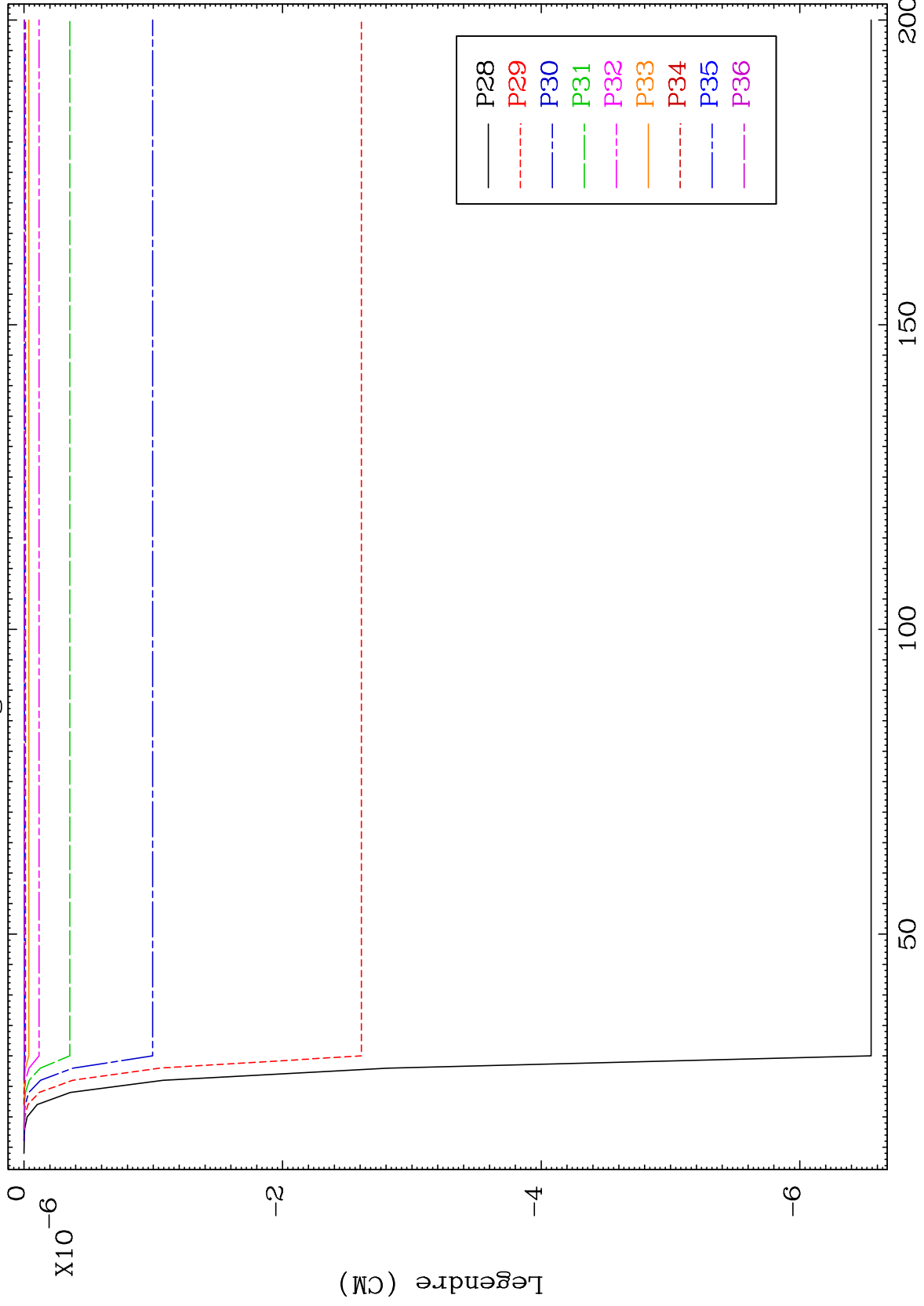
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



73-Ta-172

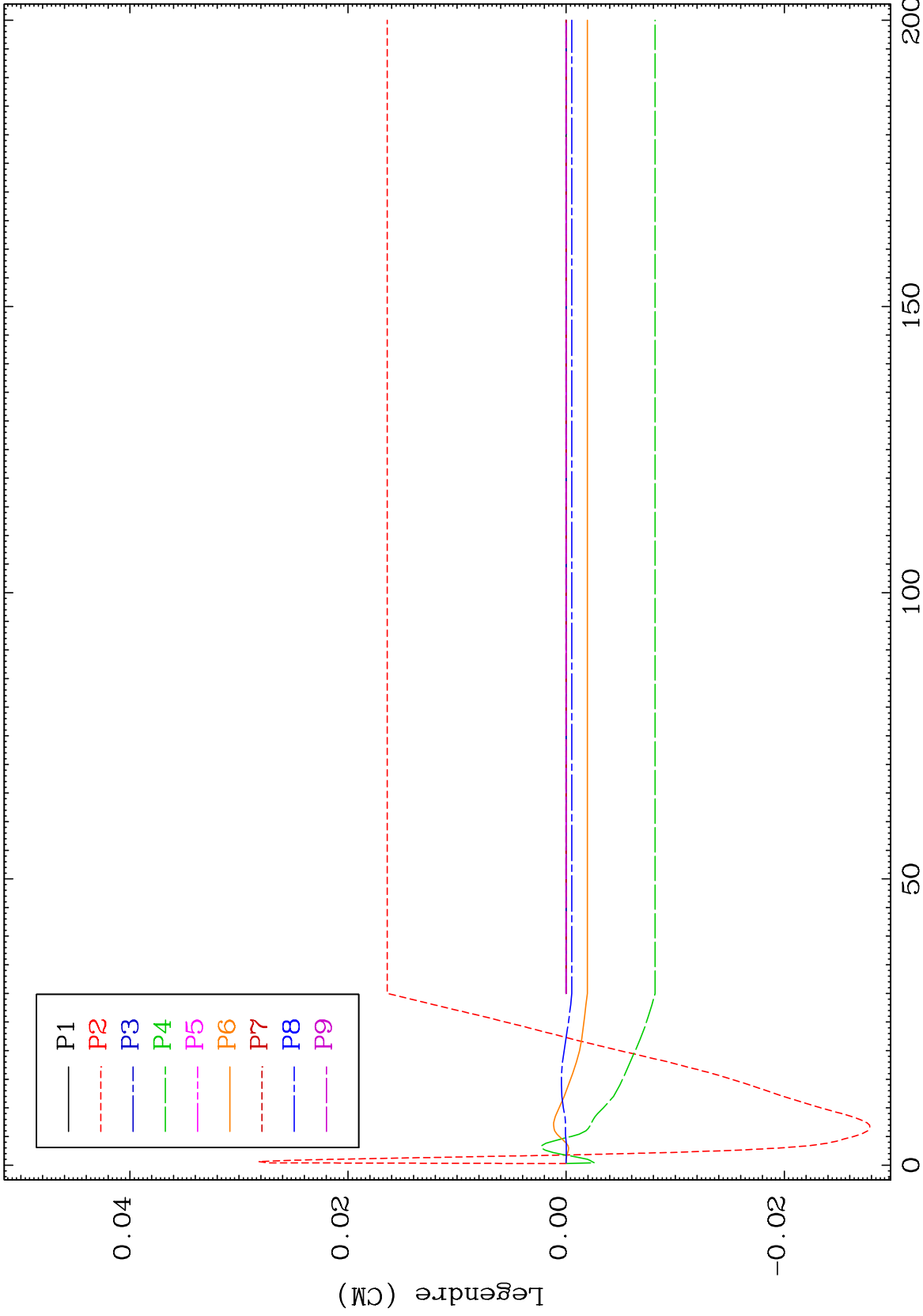
Incident Energy (MeV)

37

MAT 7301

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

73-Ta-172



38

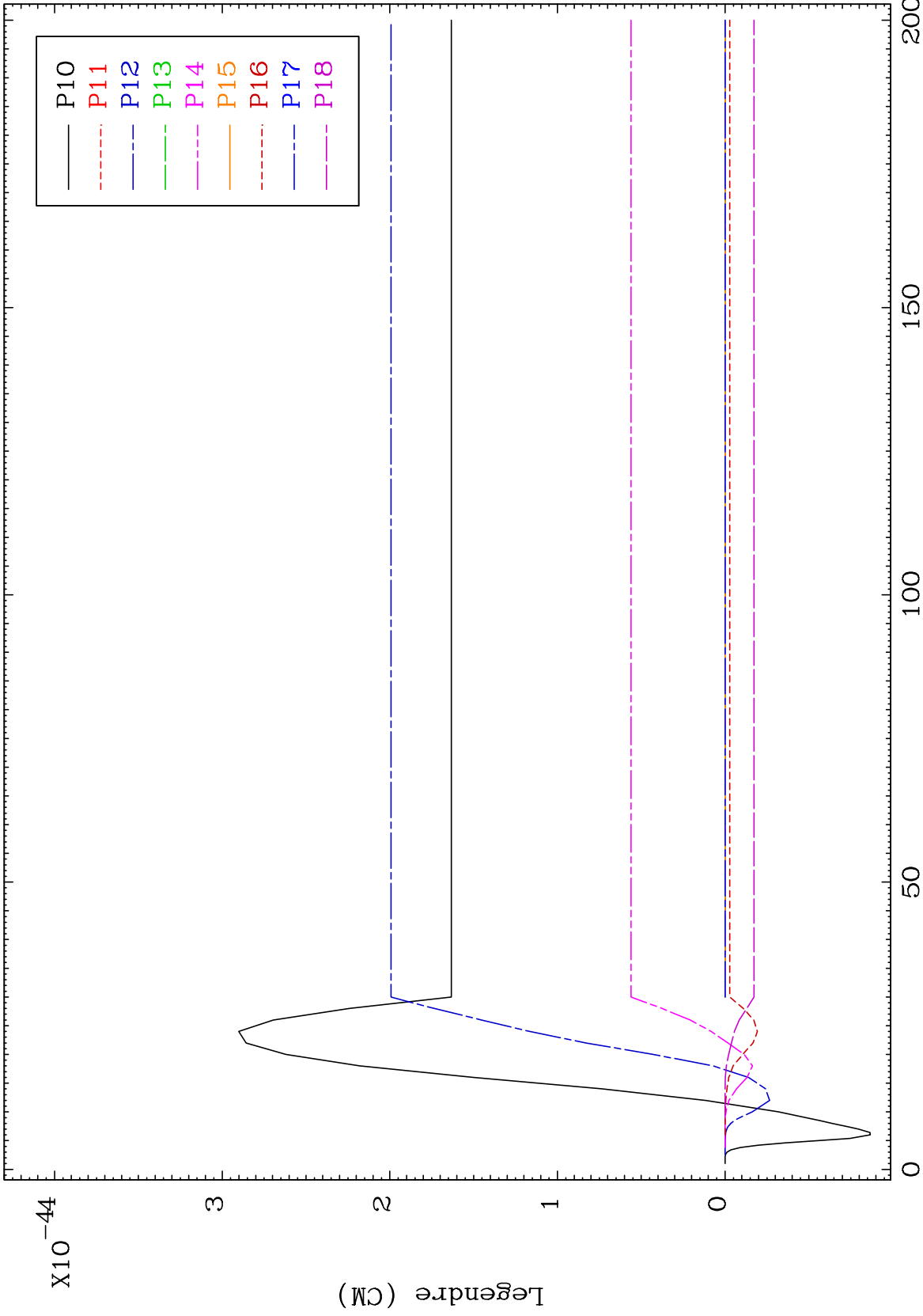
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



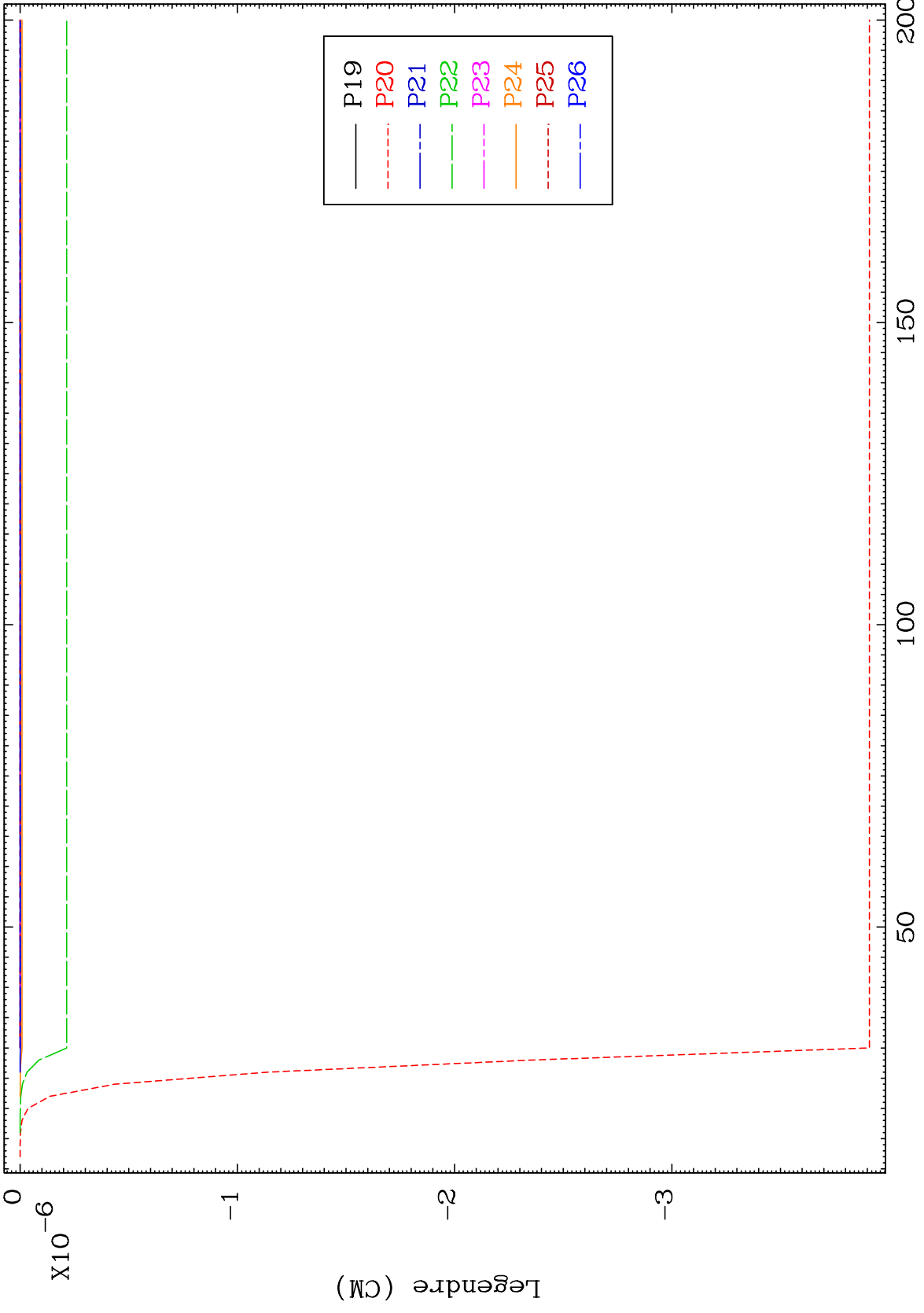
39

Incident Energy (MeV)

73-Ta-172



MAT 7301 MT= 57 (n,n') Level Legendre Coefficients 73-Ta-172

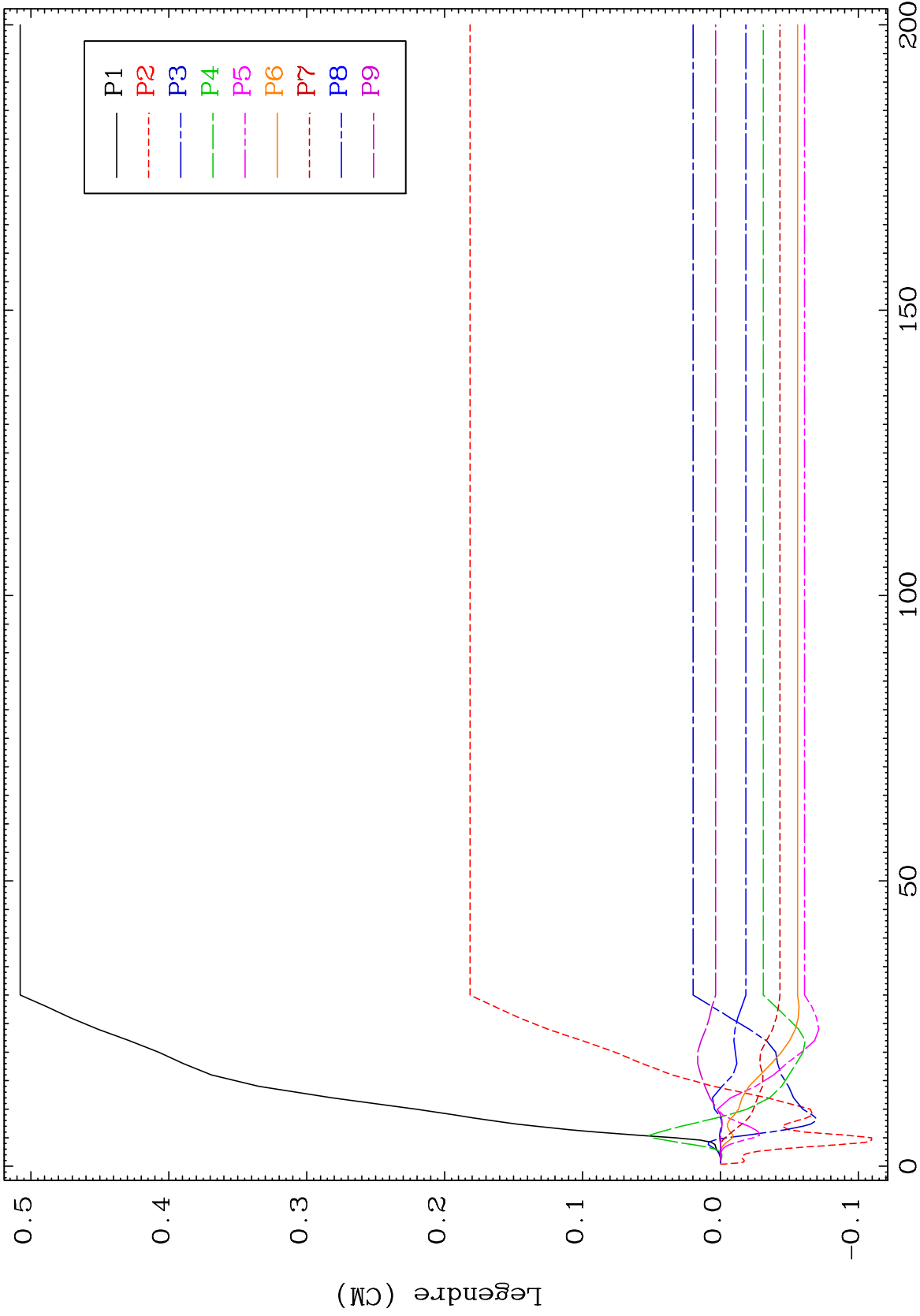


Legendre (CM) Incident Energy (MeV) 73-Ta-172

MAT 7301

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

73-Ta-172



41

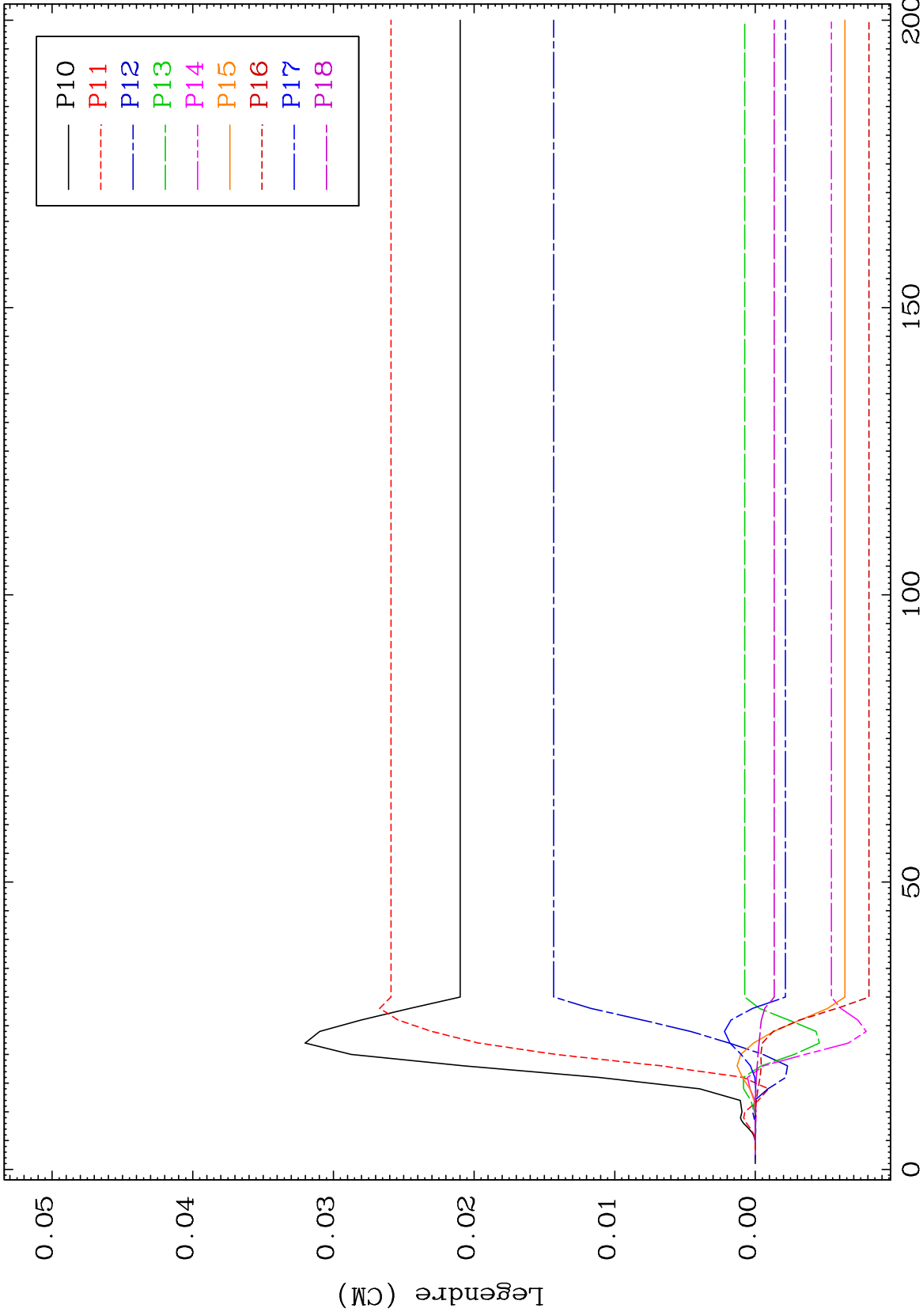
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



42

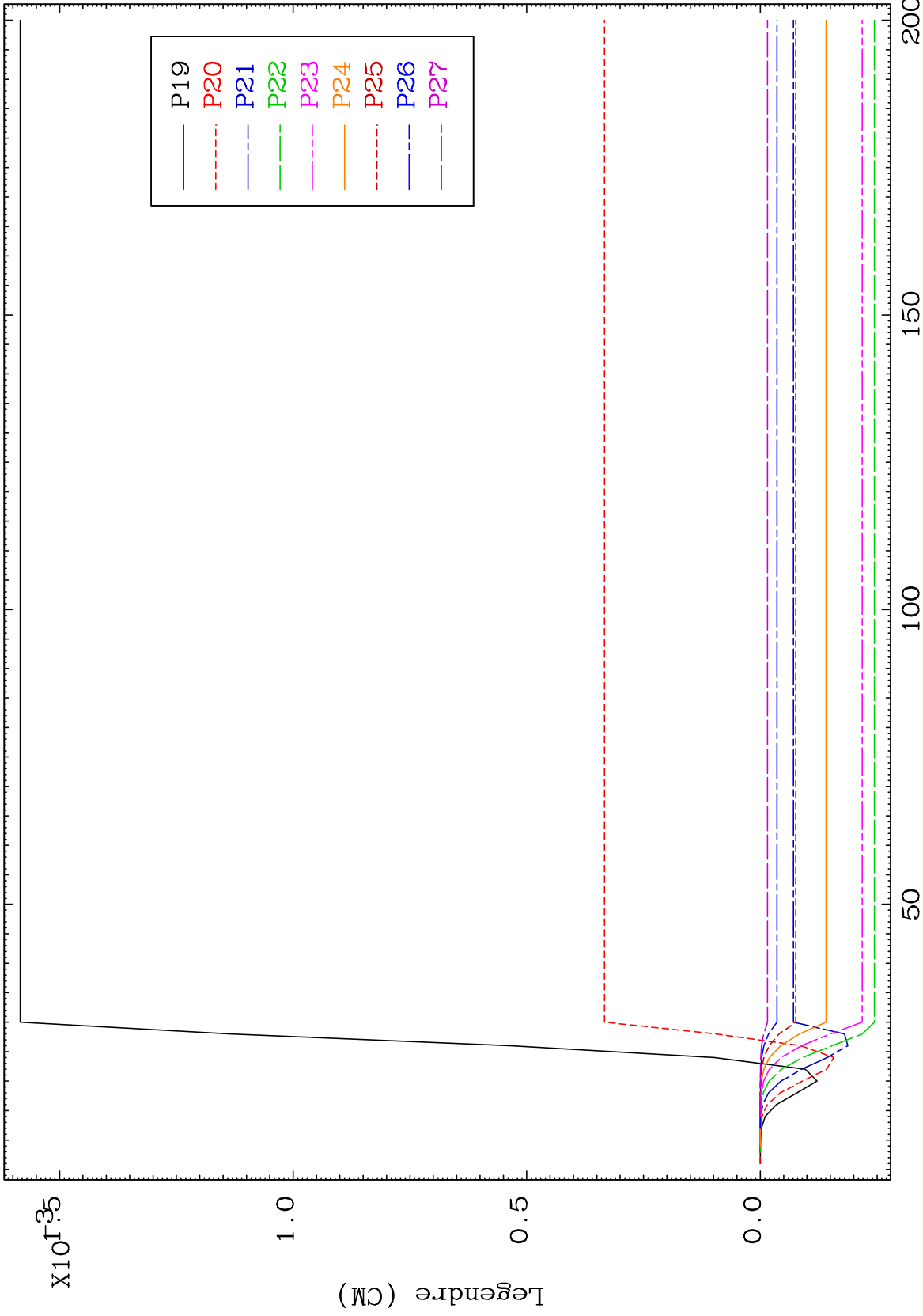
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



43

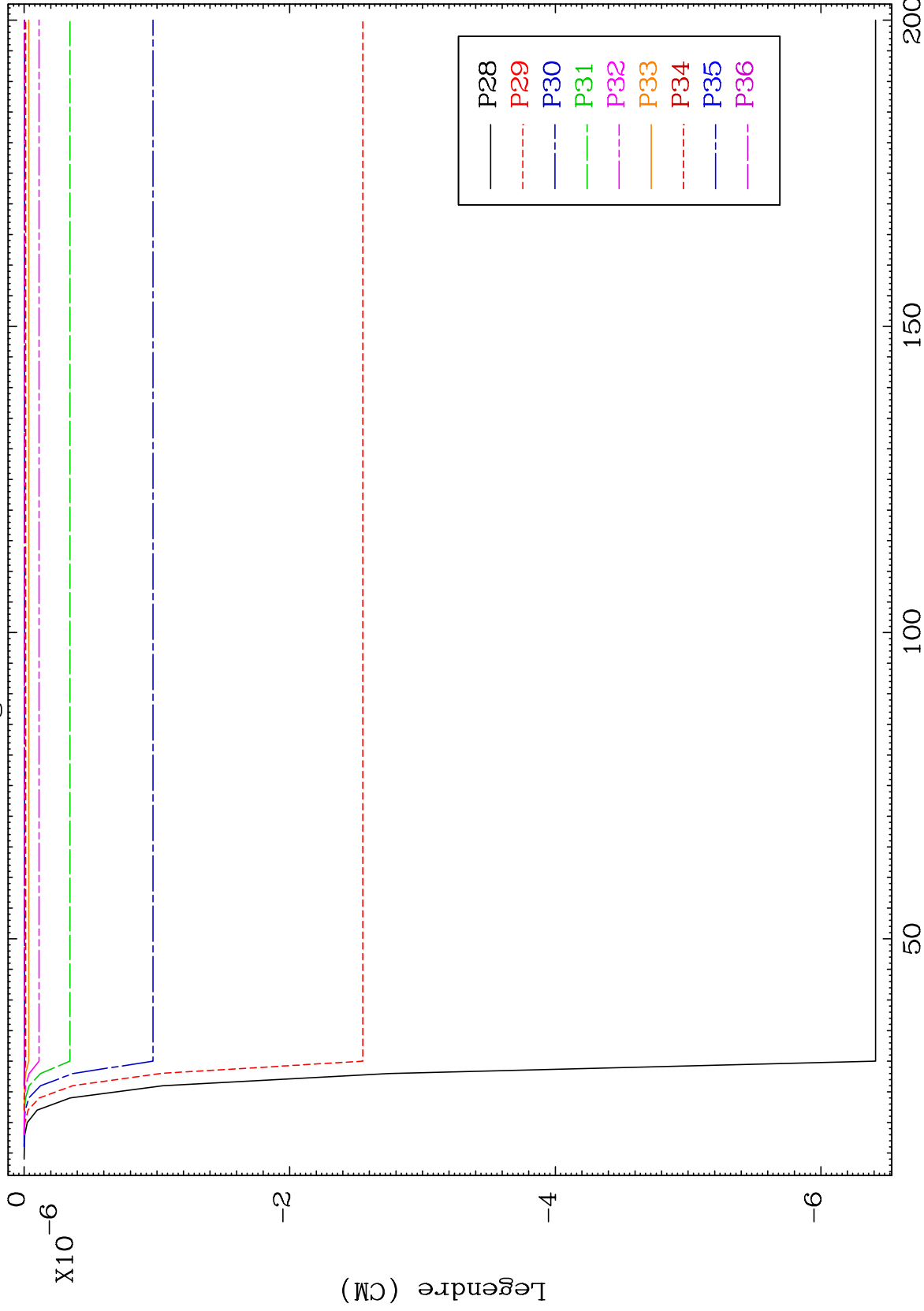
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



73-Ta-172

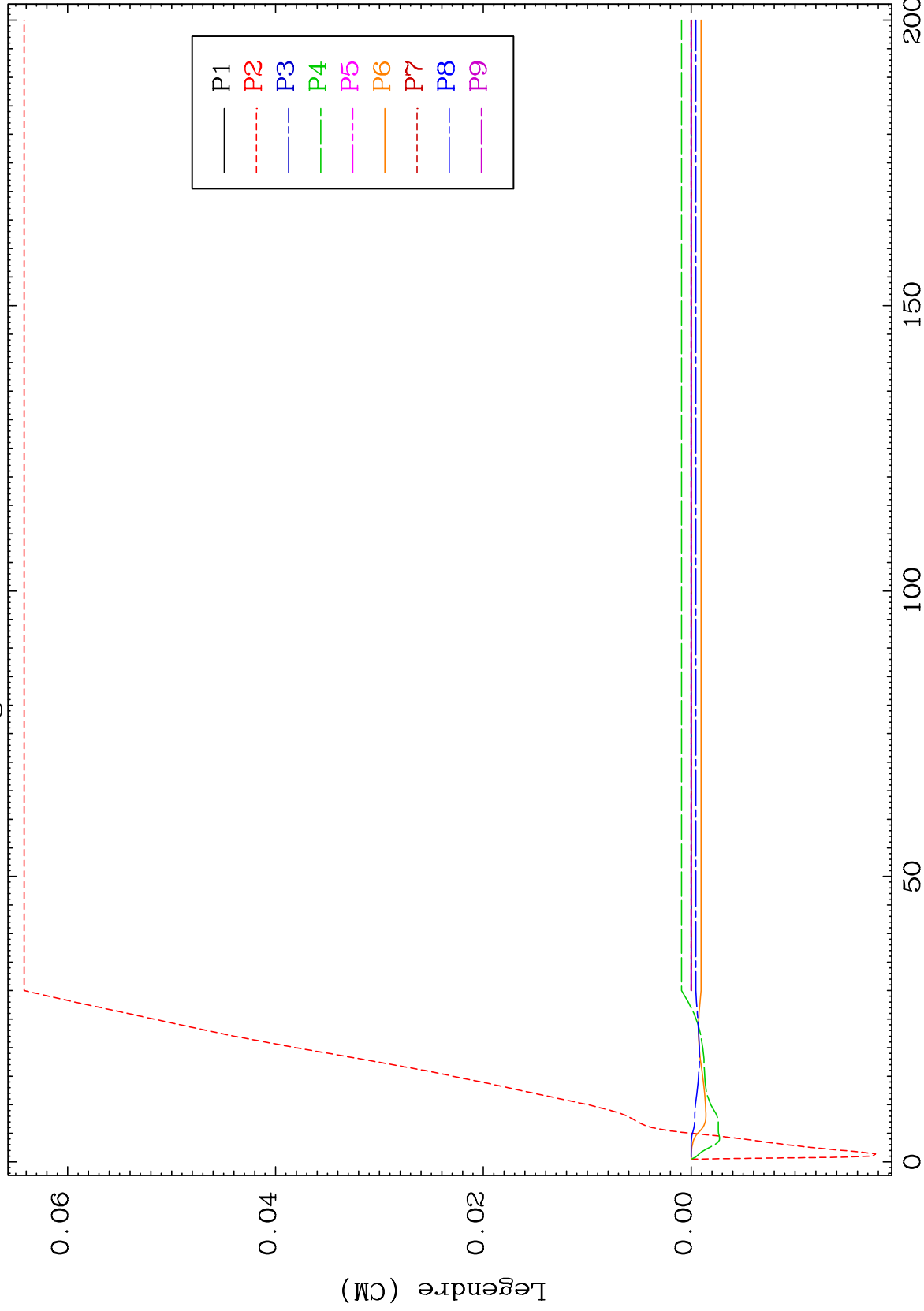
Incident Energy (MeV)

44

MAT 7301

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

73-Ta-172



73-Ta-172

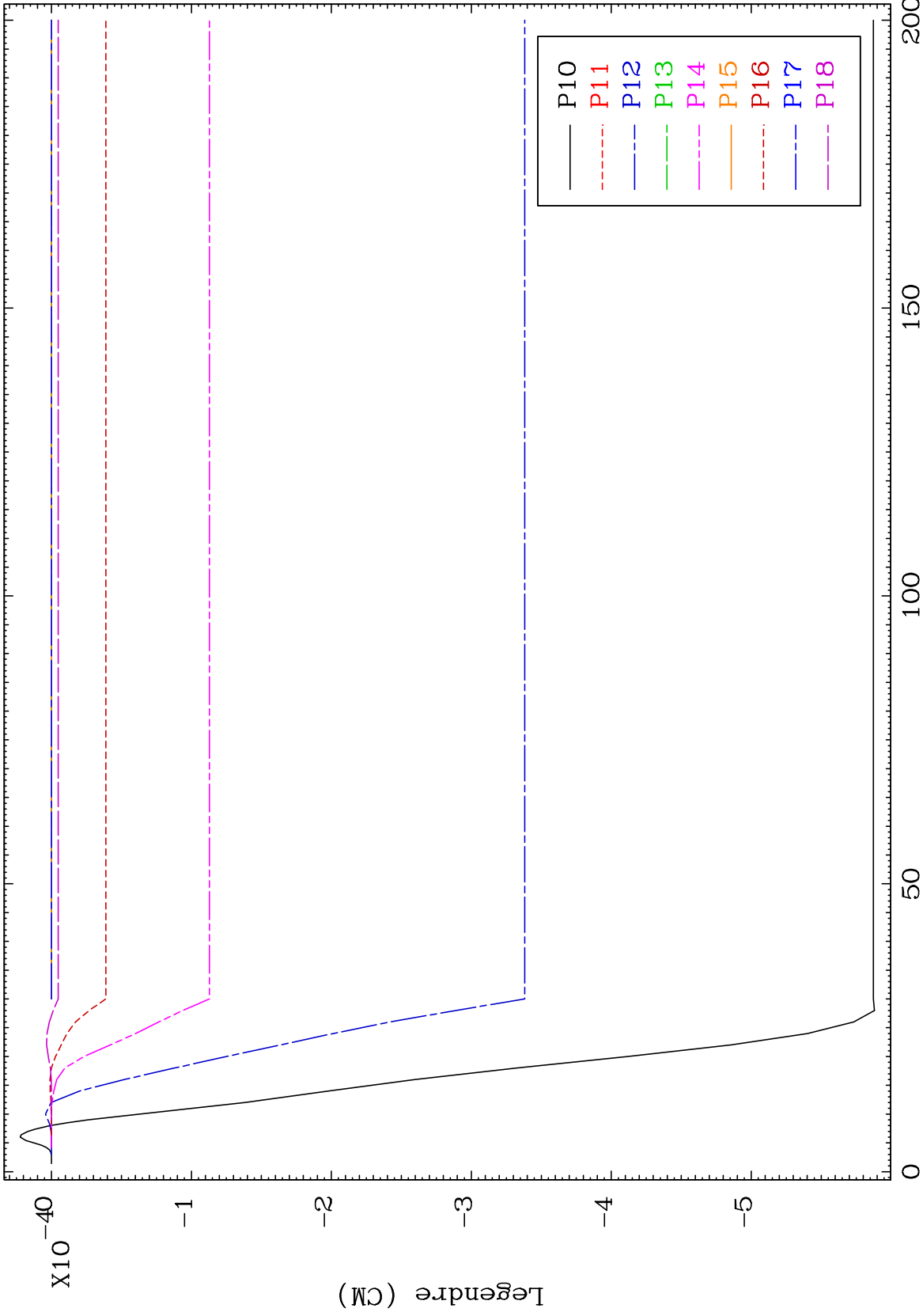
Incident Energy (MeV)

45

MAT 7301

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

73-Ta-172



46

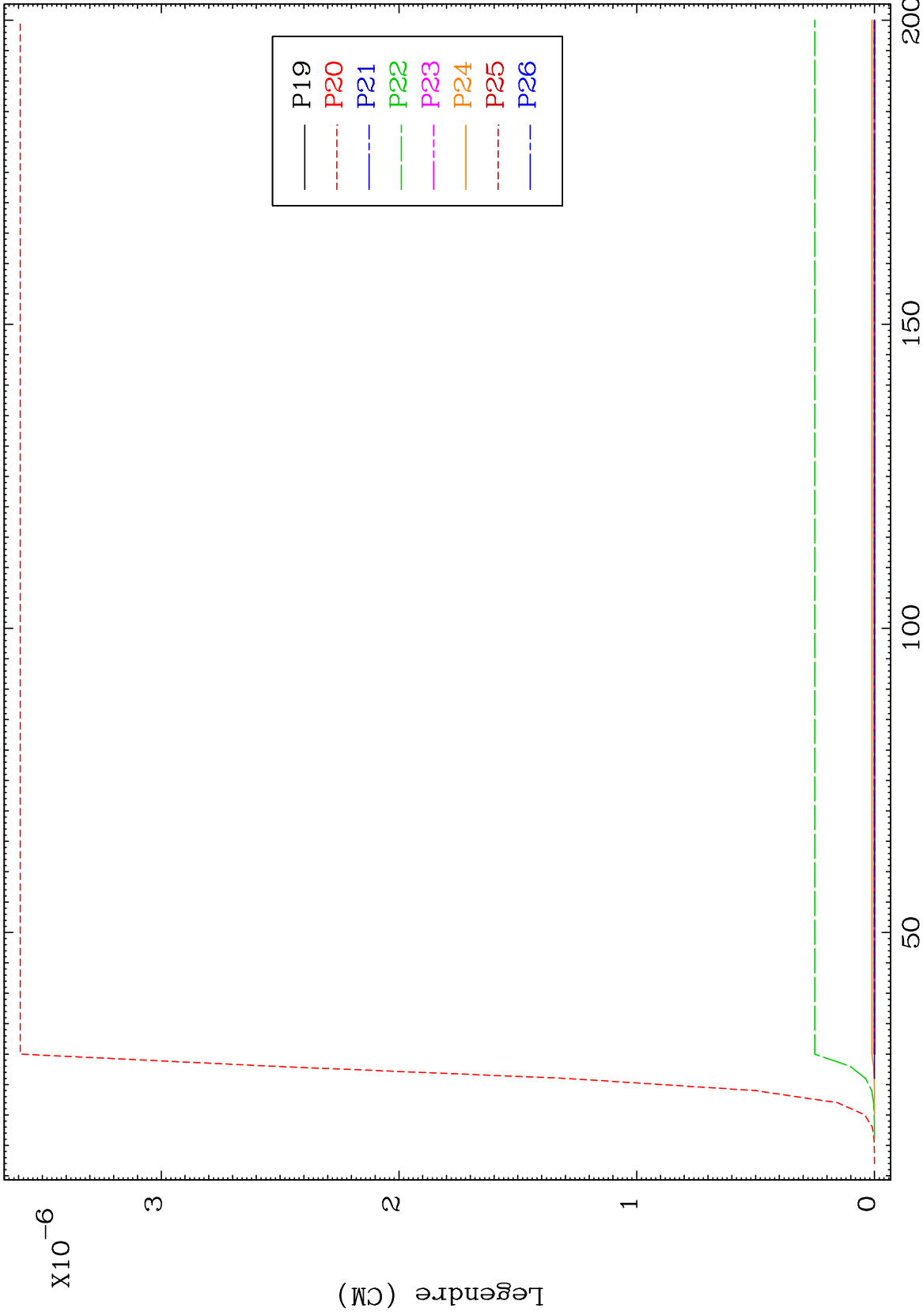
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



47

Incident Energy (MeV)

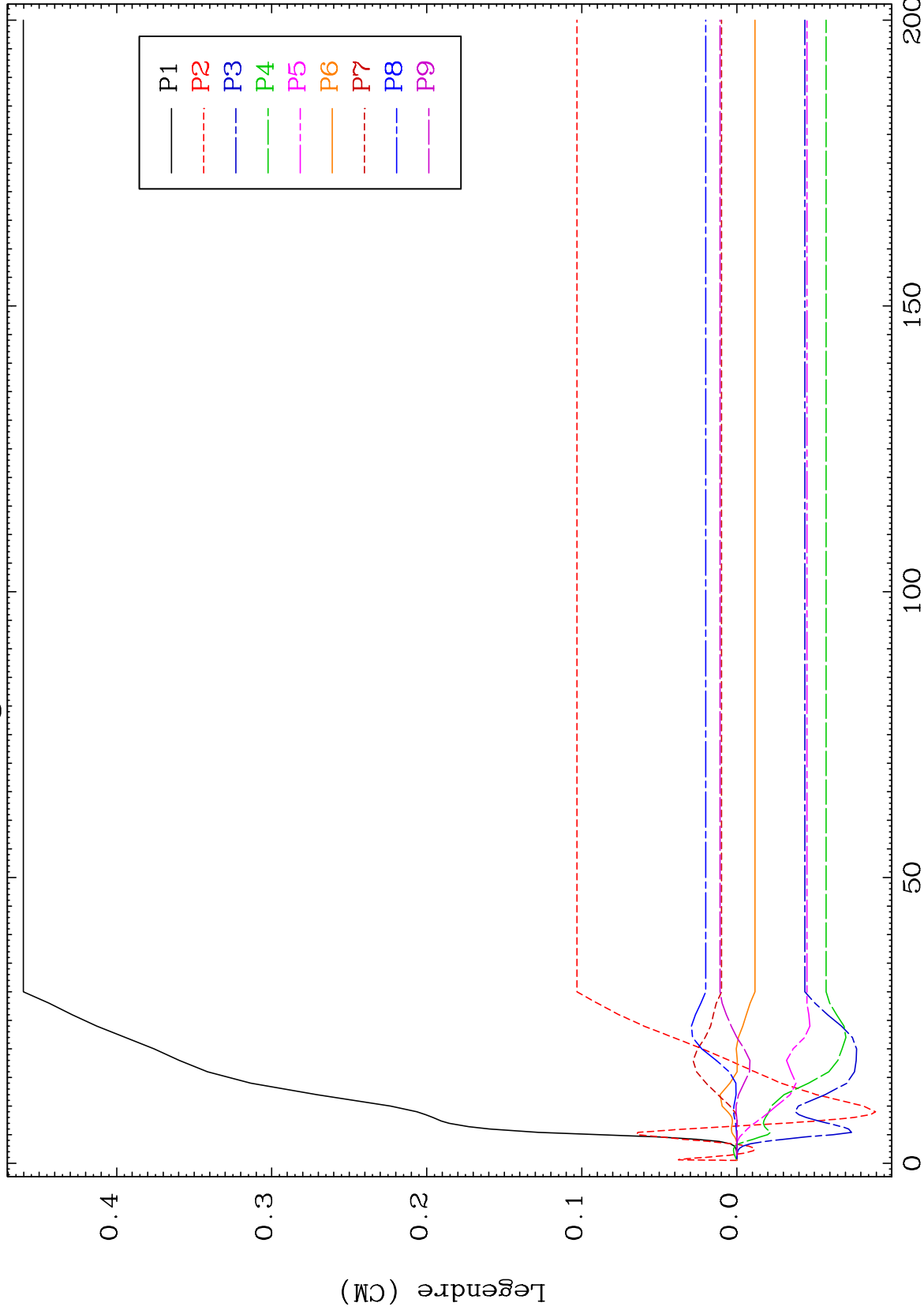
73-Ta-172



MAT 7301

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

73-Ta-172



48

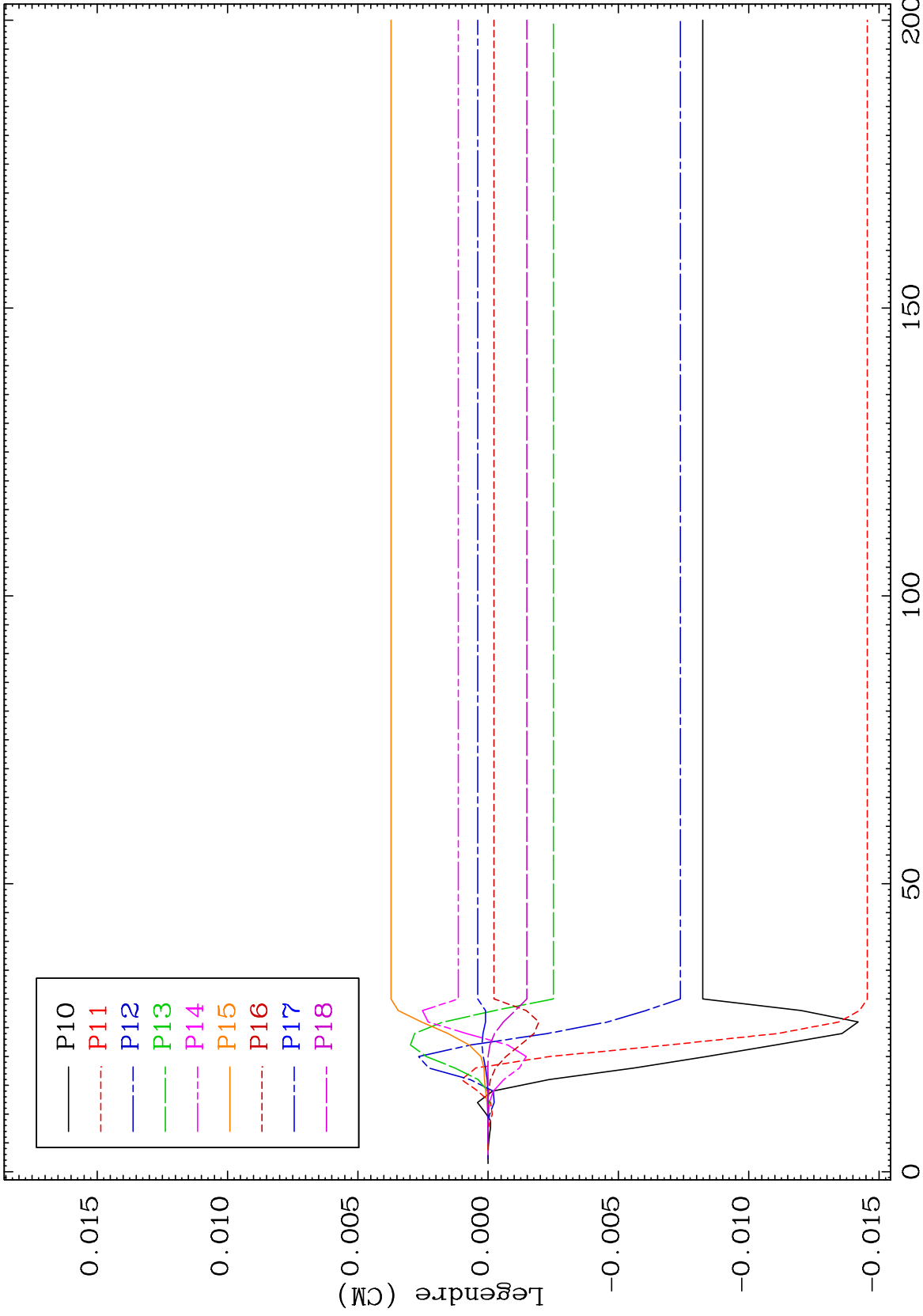
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



49

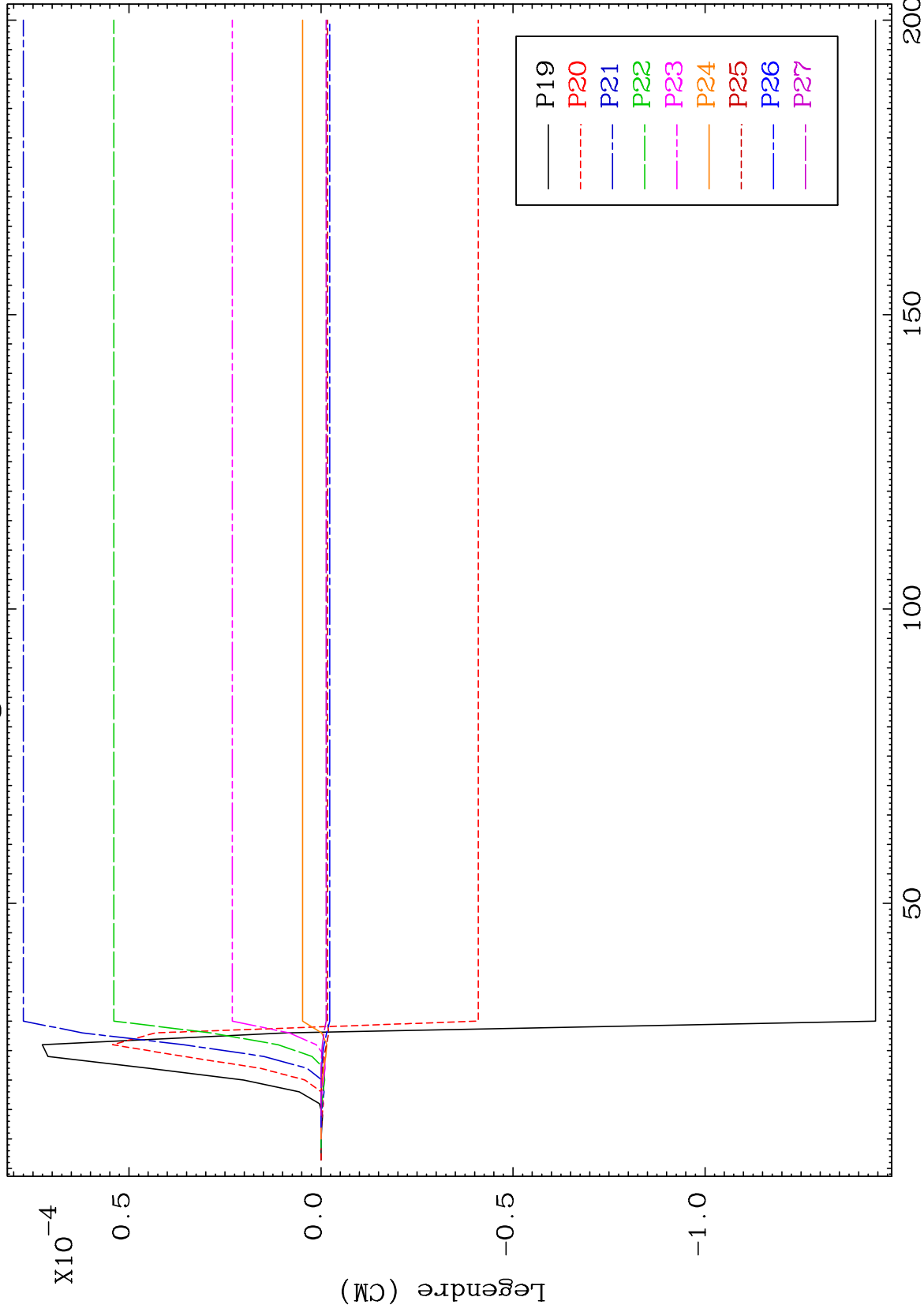
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



50

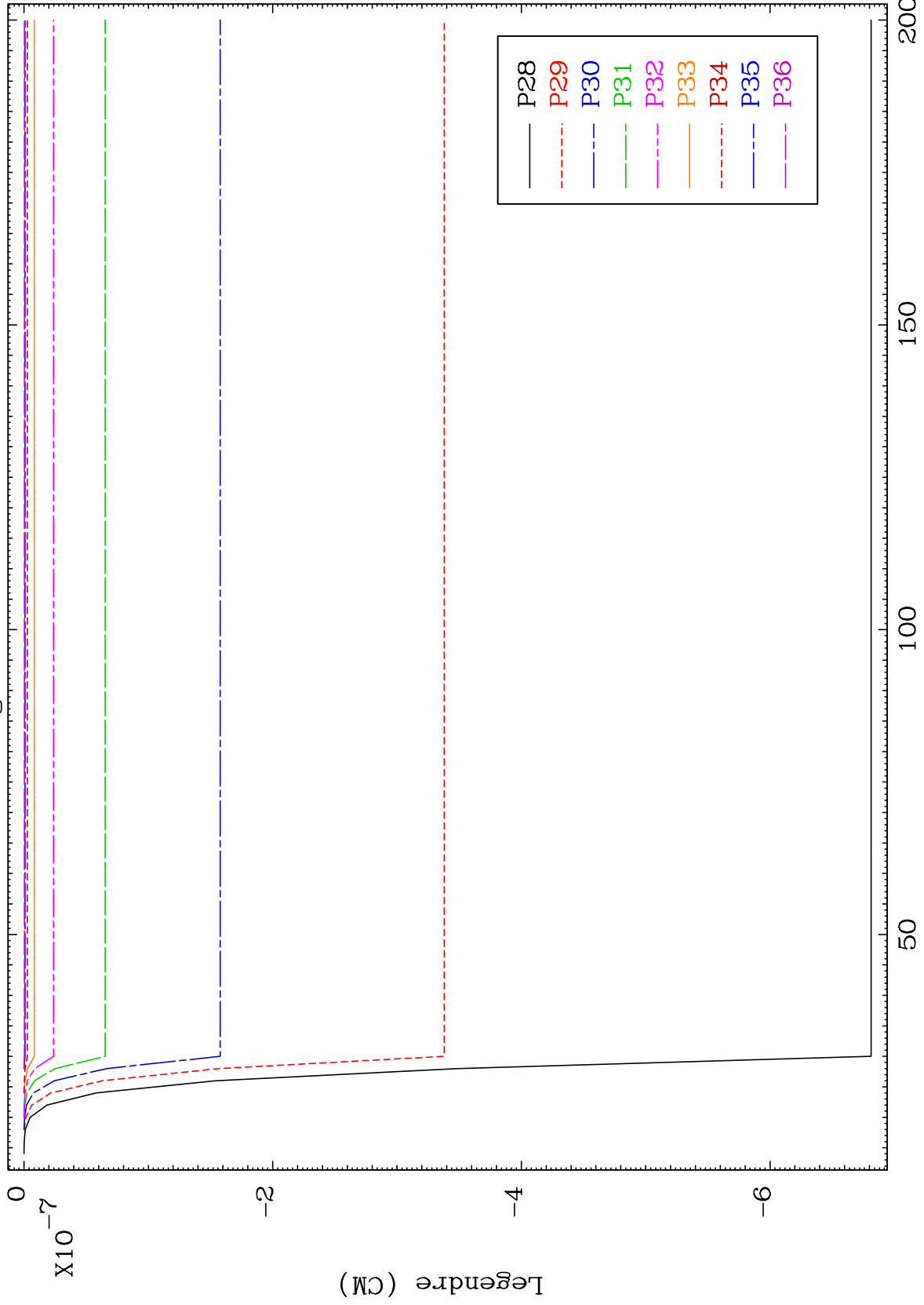
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



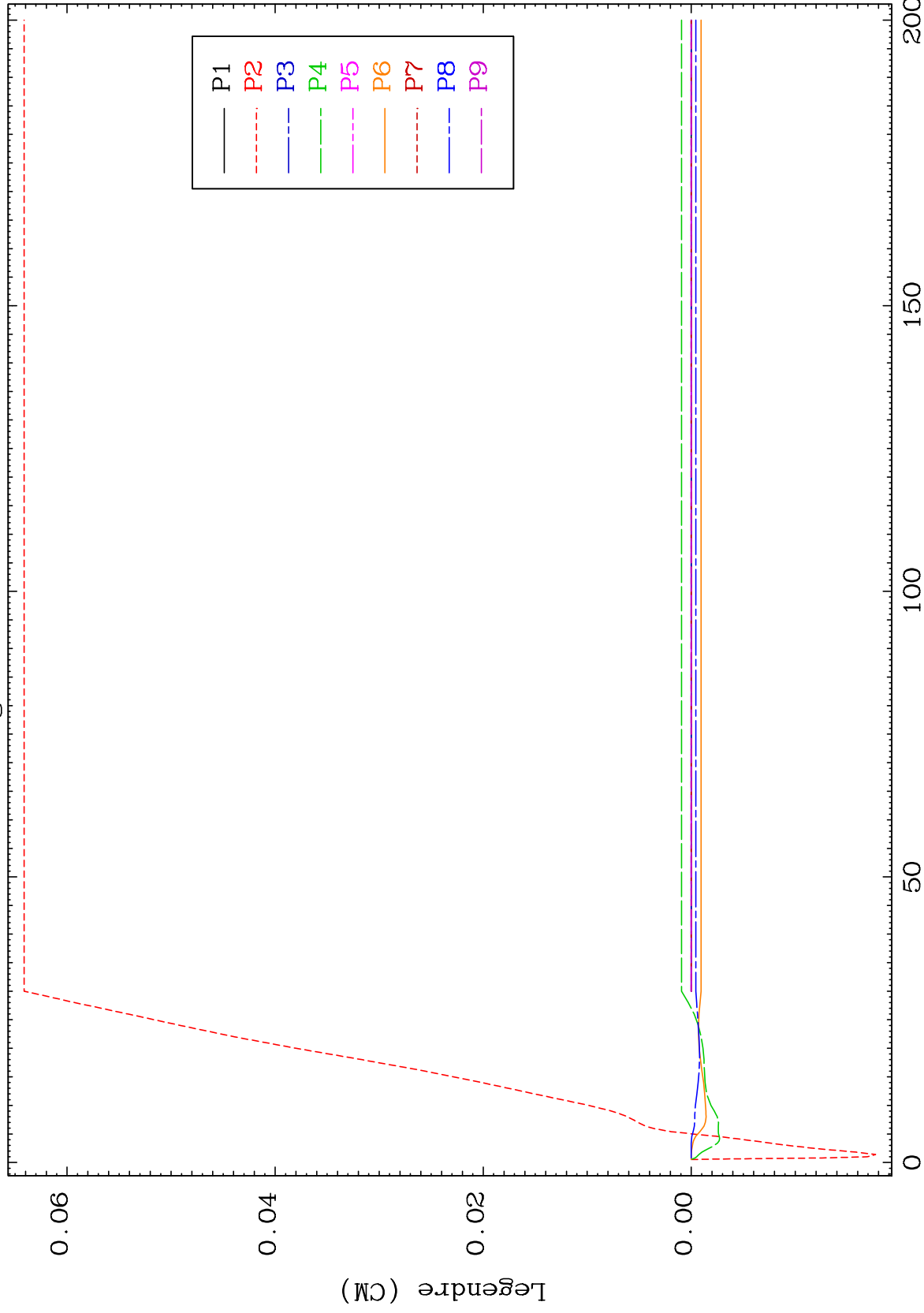
51

73-Ta-172

MAT 7301

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

73-Ta-172



52

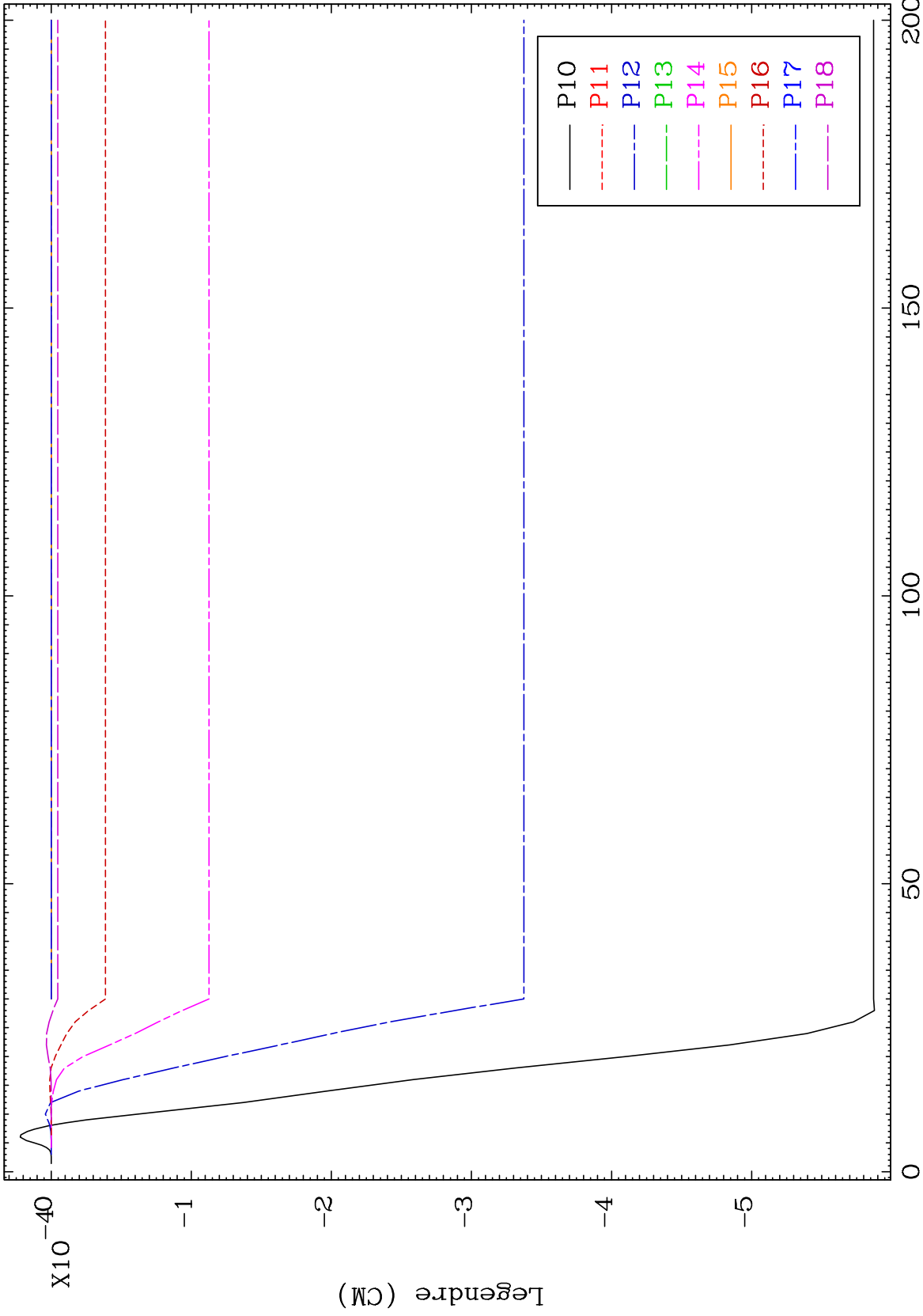
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172

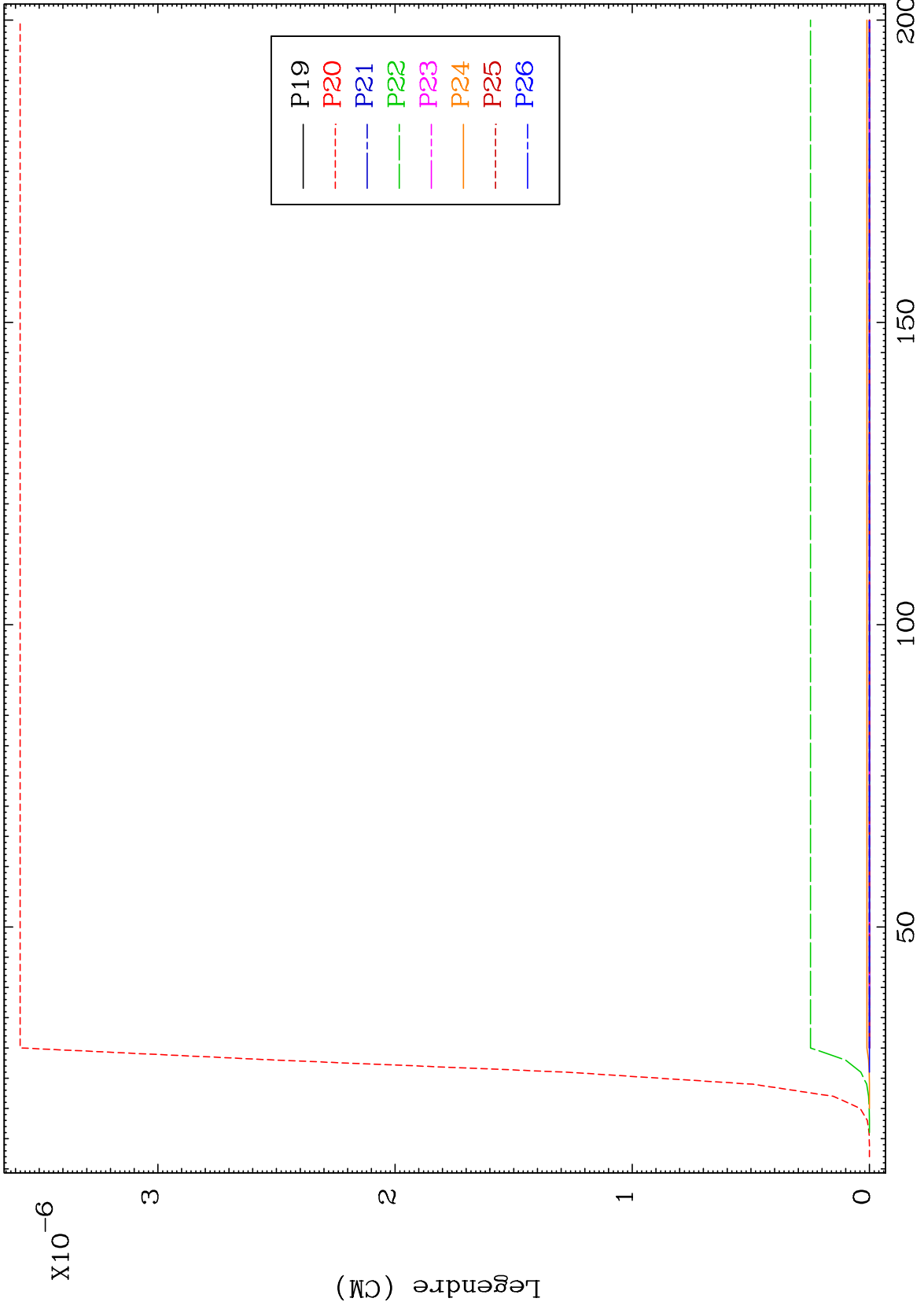


53

Incident Energy (MeV)

73-Ta-172

MAT 7301 MT= 61 (n,n') Level Legendre Coefficients 73-Ta-172

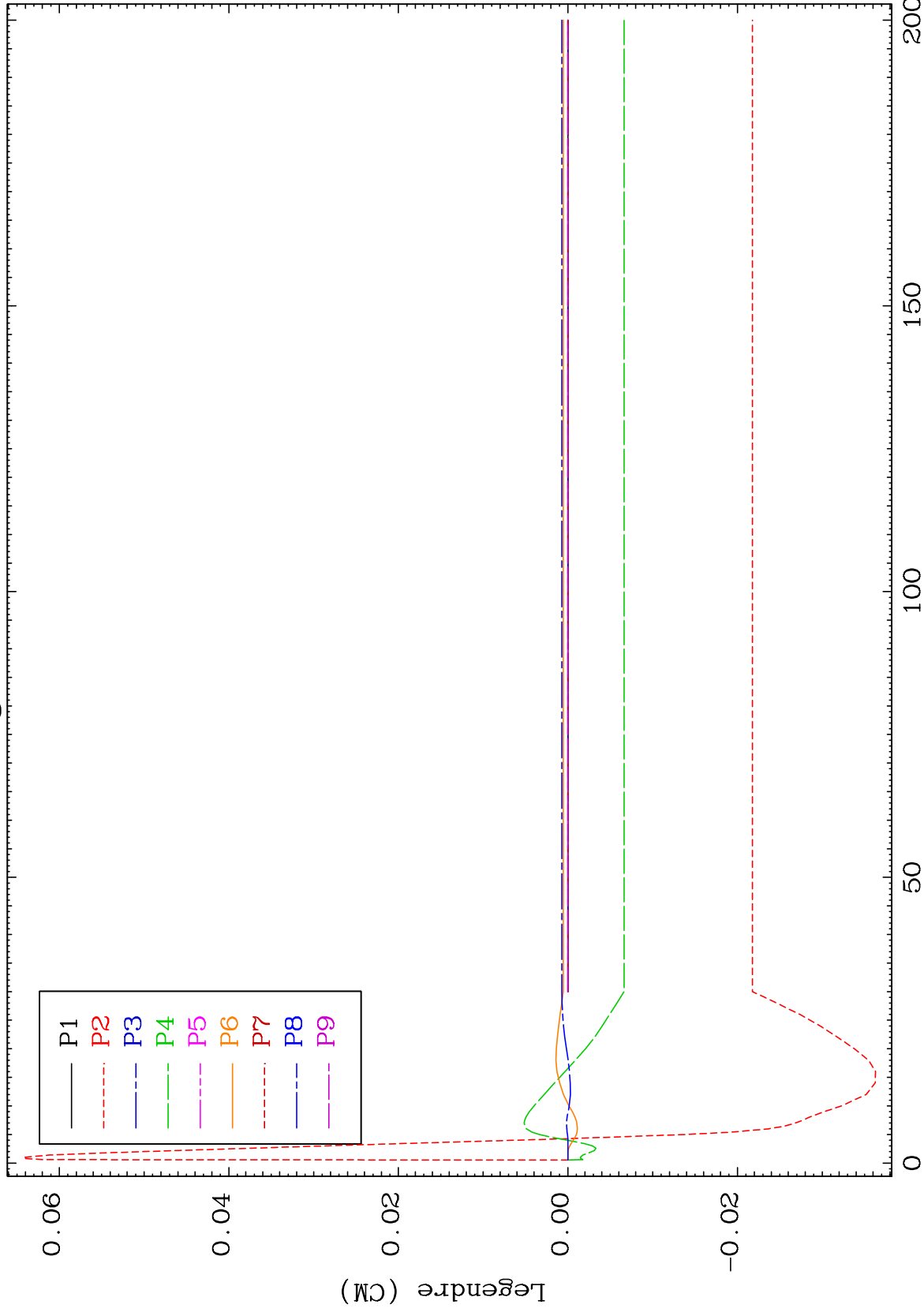


54 Incident Energy (MeV) 73-Ta-172

MAT 7301

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

73-Ta-172



55

Incident Energy (MeV)

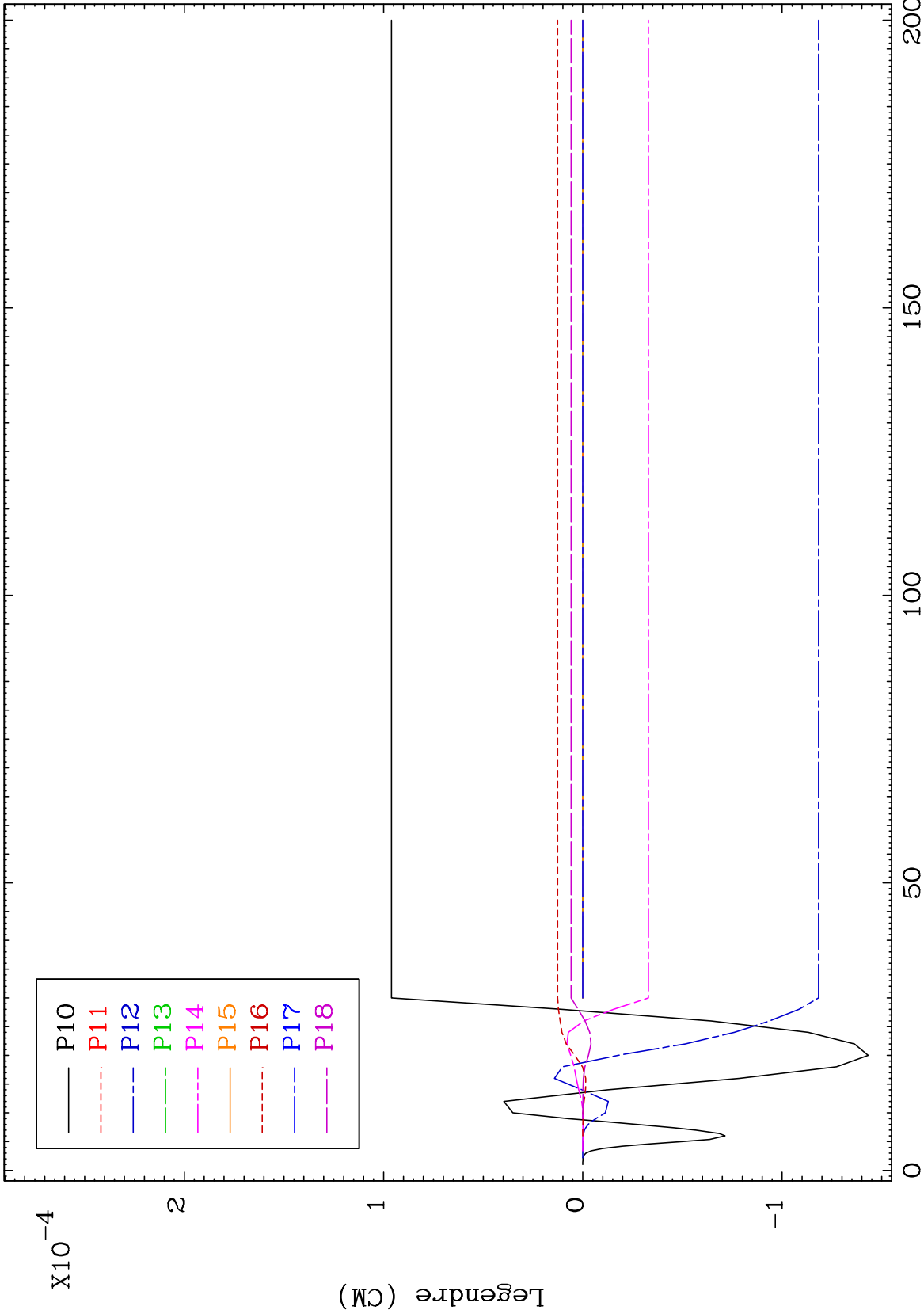
73-Ta-172



MAT 7301

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

73-Ta-172



56

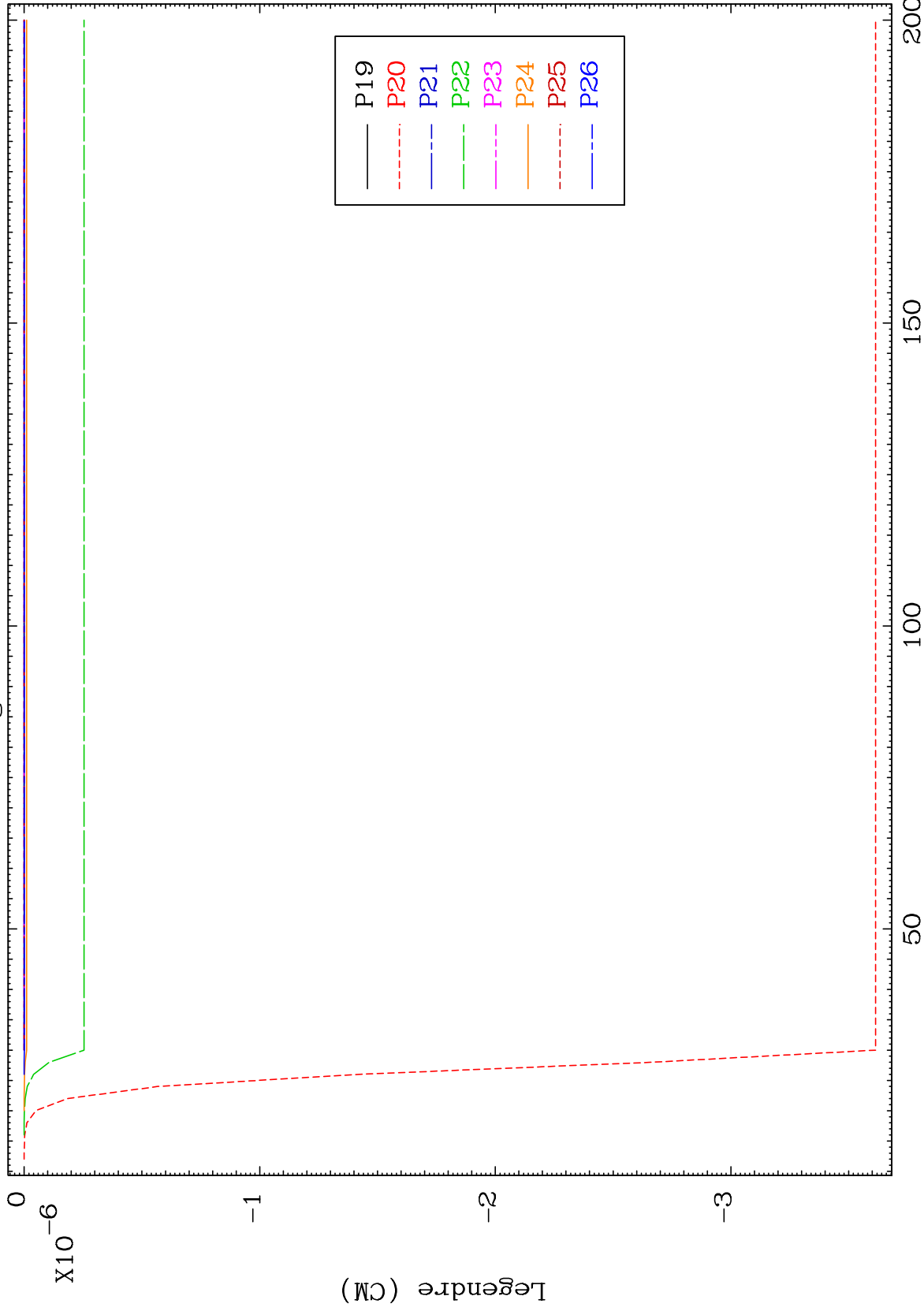
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



57

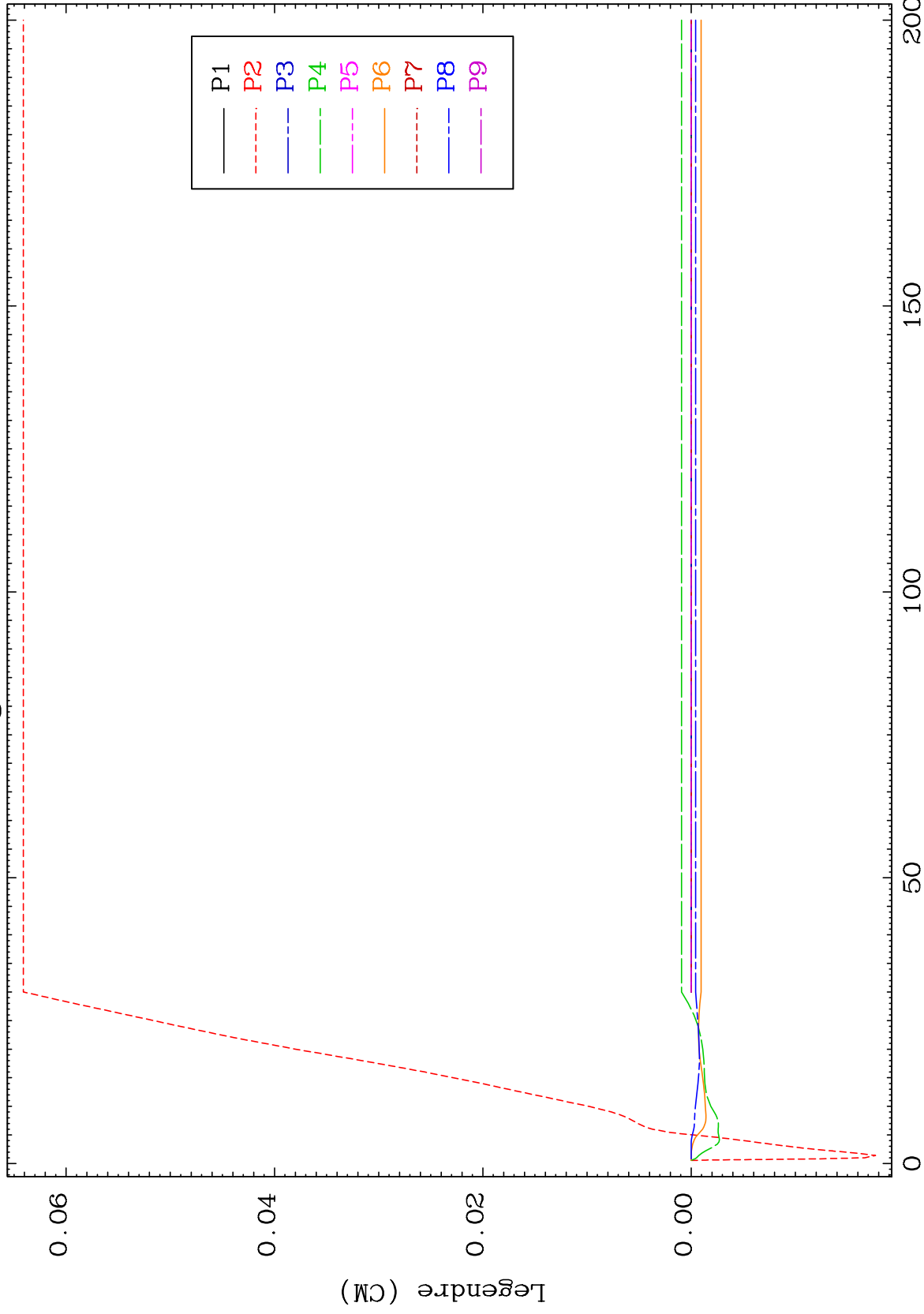
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



58

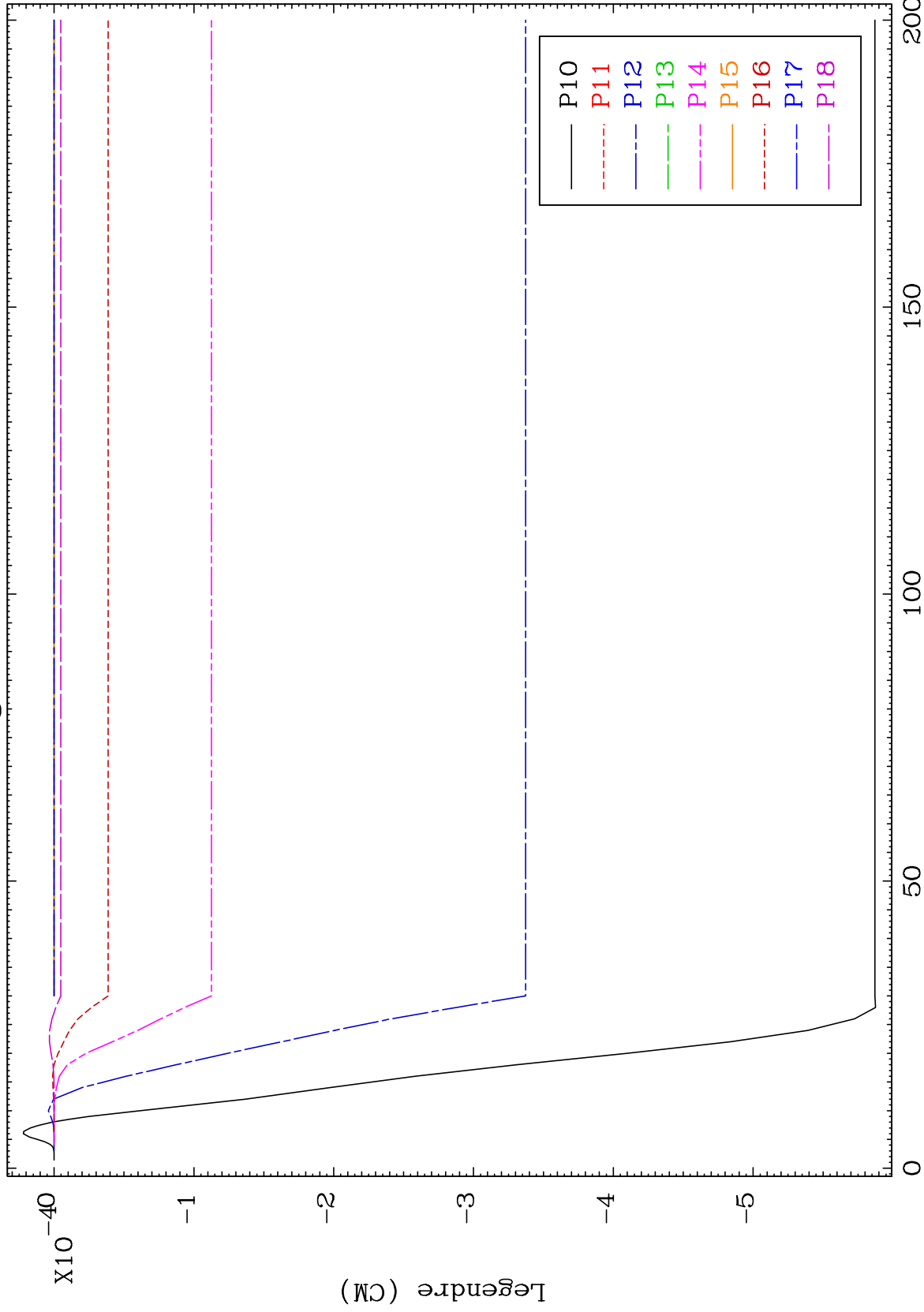
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



59

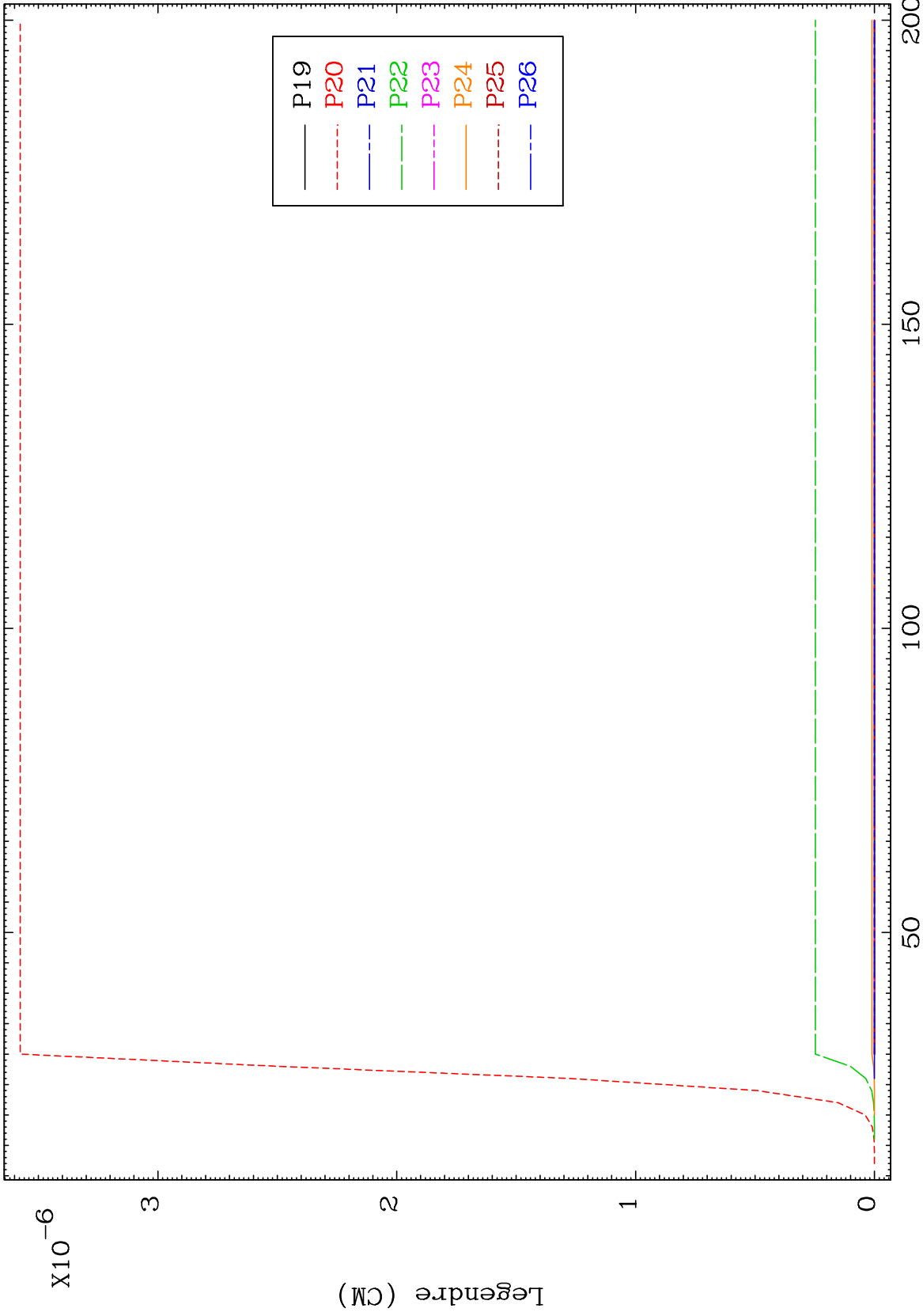
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



60

50

100

150

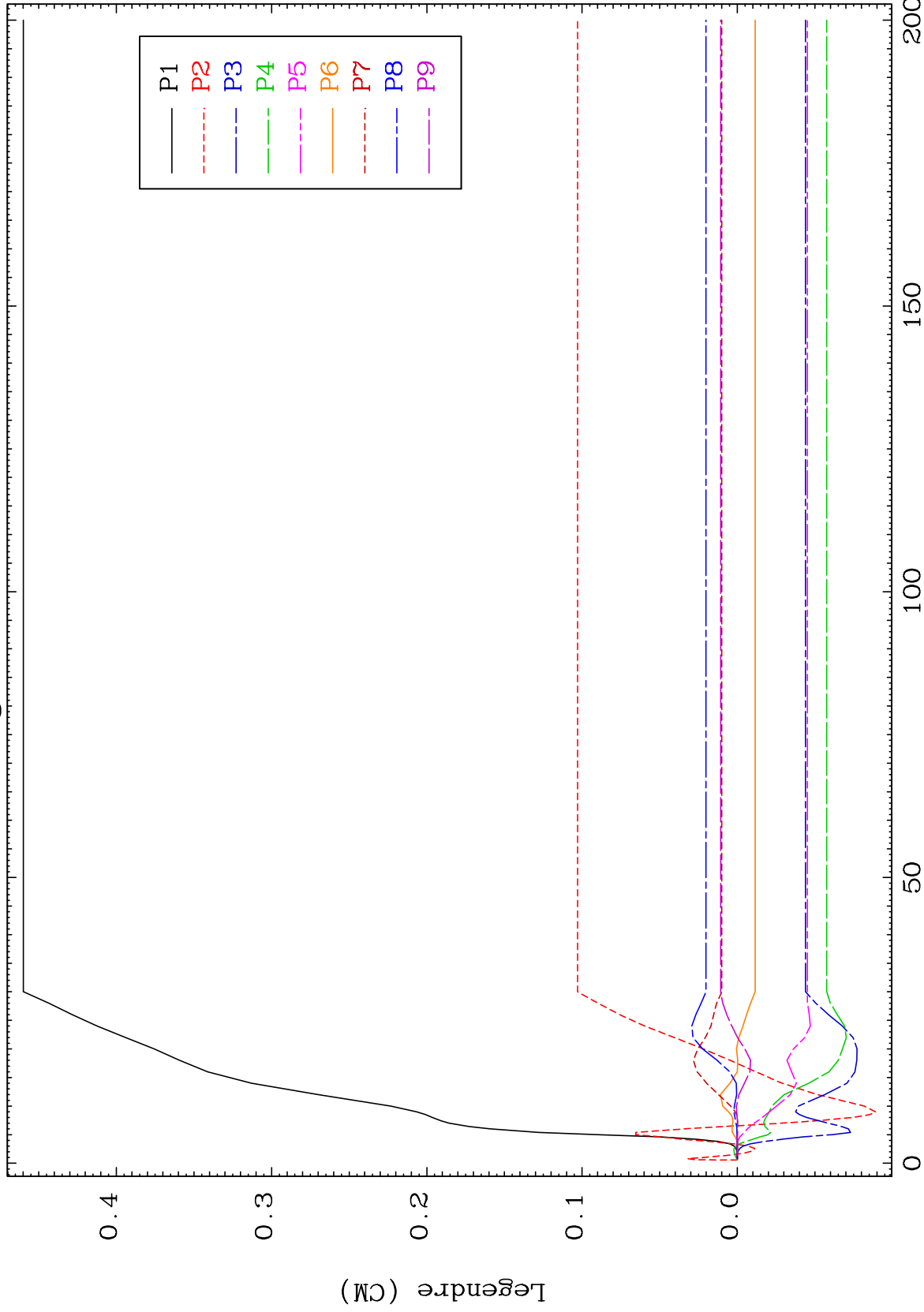
200

73-Ta-172

MAT 7301

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

73-Ta-172



61

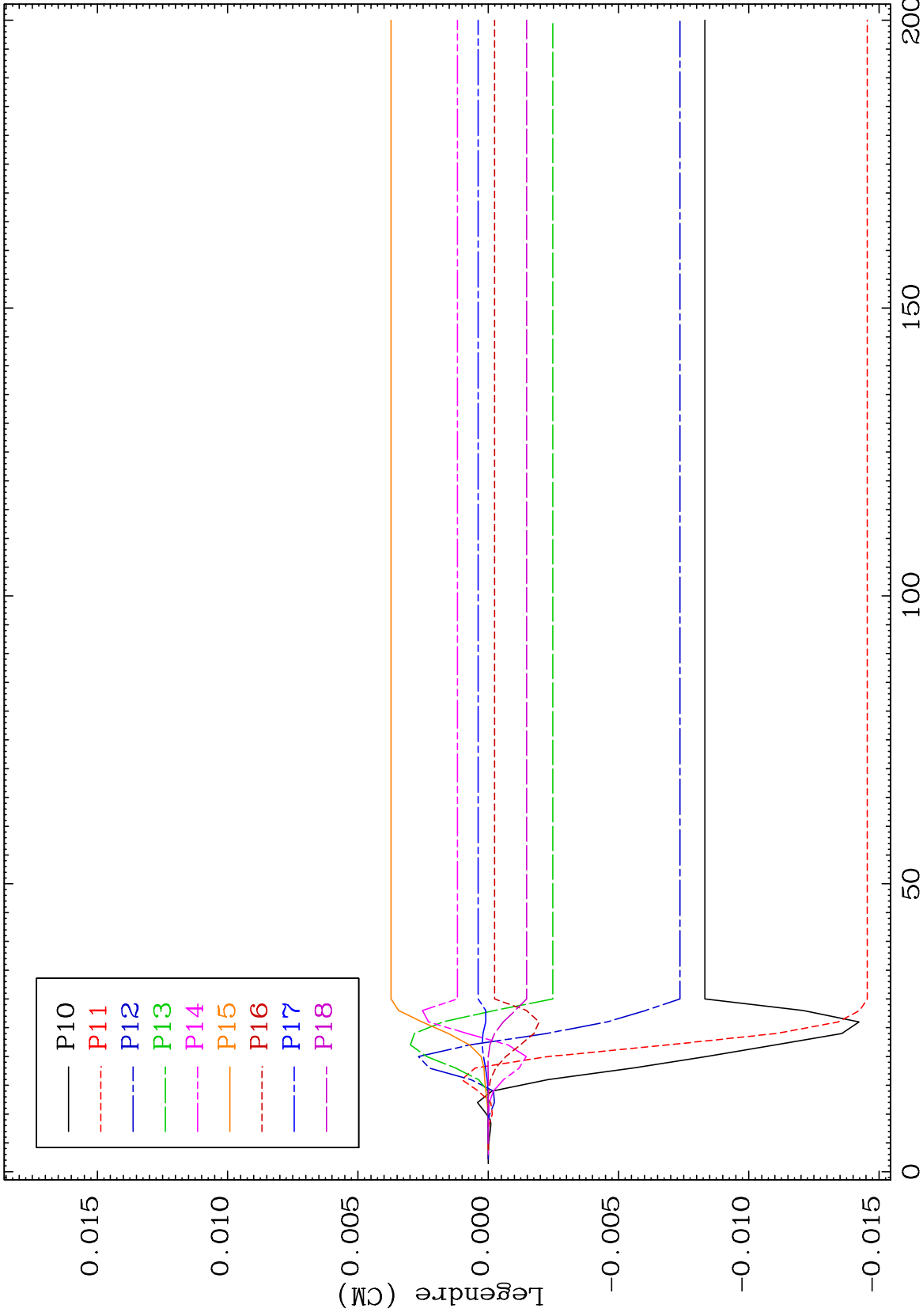
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



62

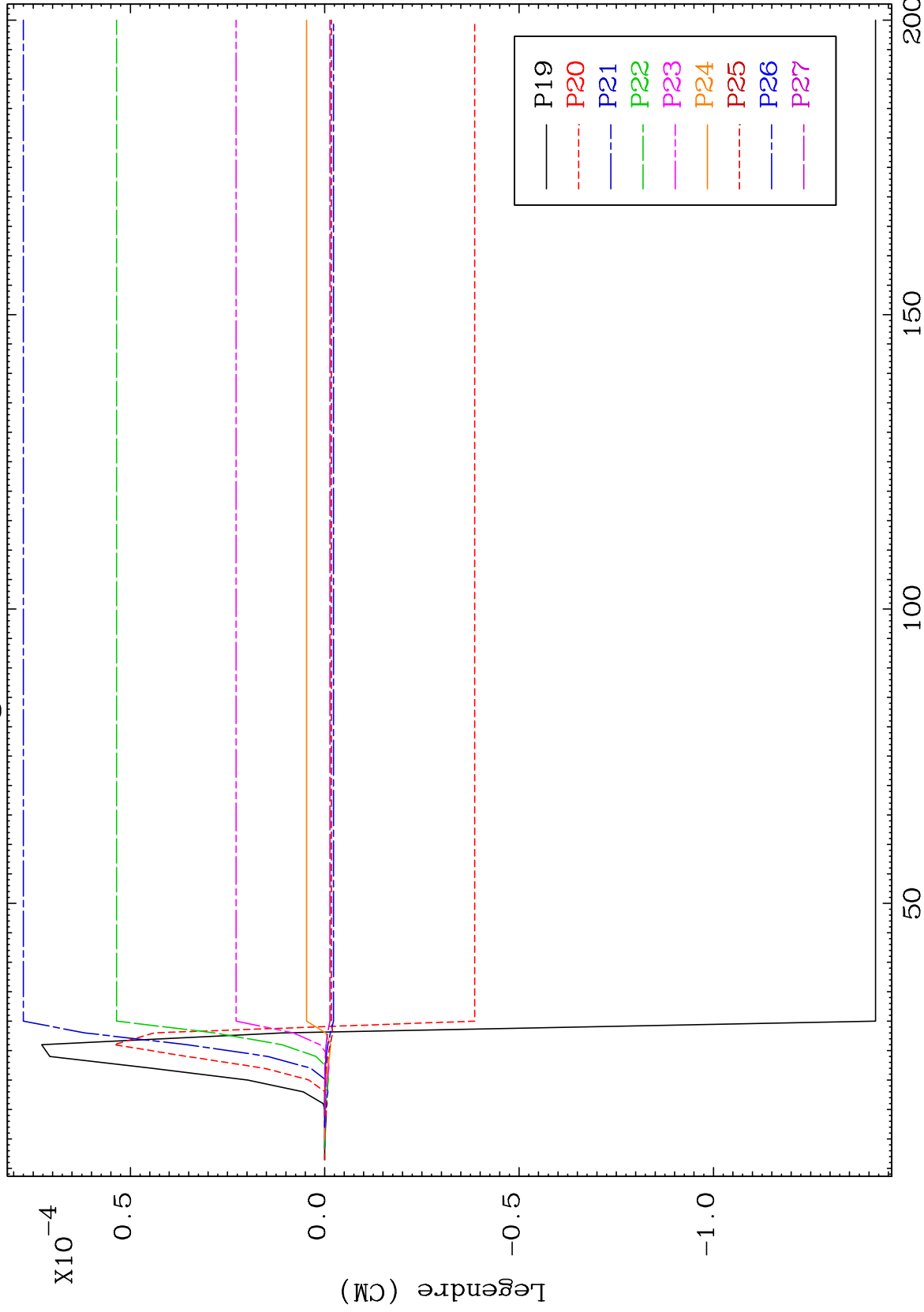
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



63

Incident Energy (MeV)

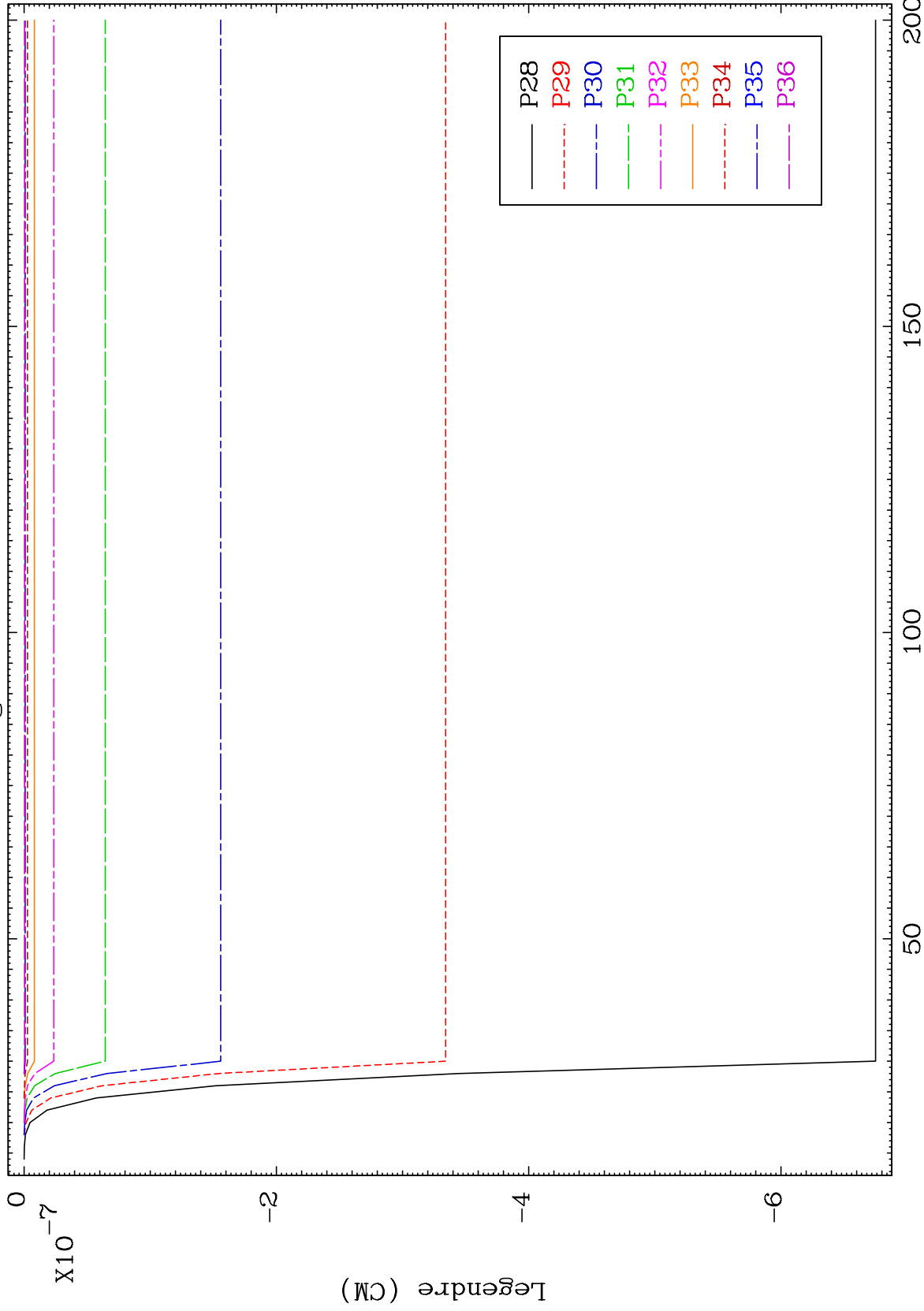
73-Ta-172



MAT 7301

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

73-Ta-172



73-Ta-172

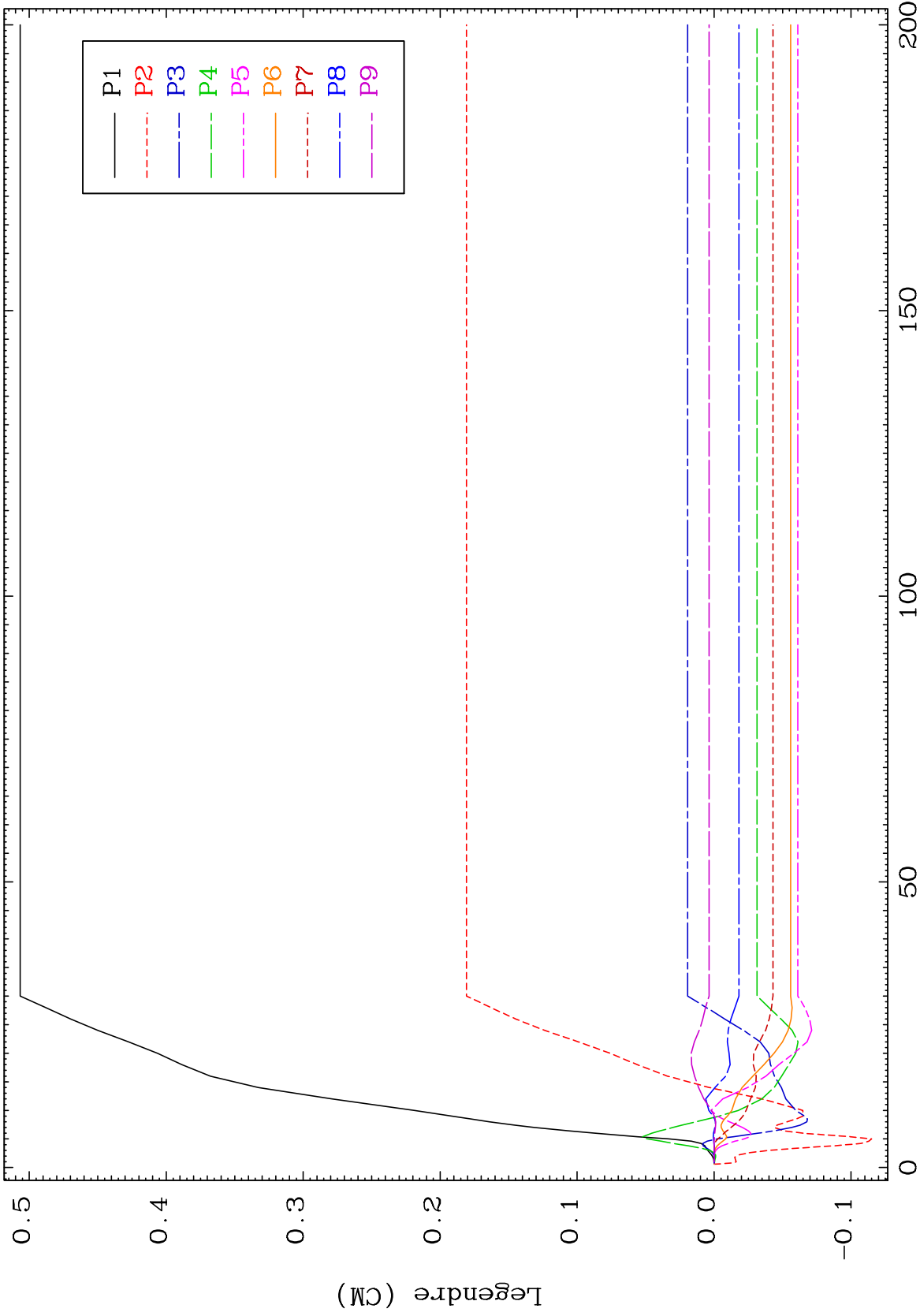
Incident Energy (MeV)

64

MAT 7301

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

73-Ta-172



65

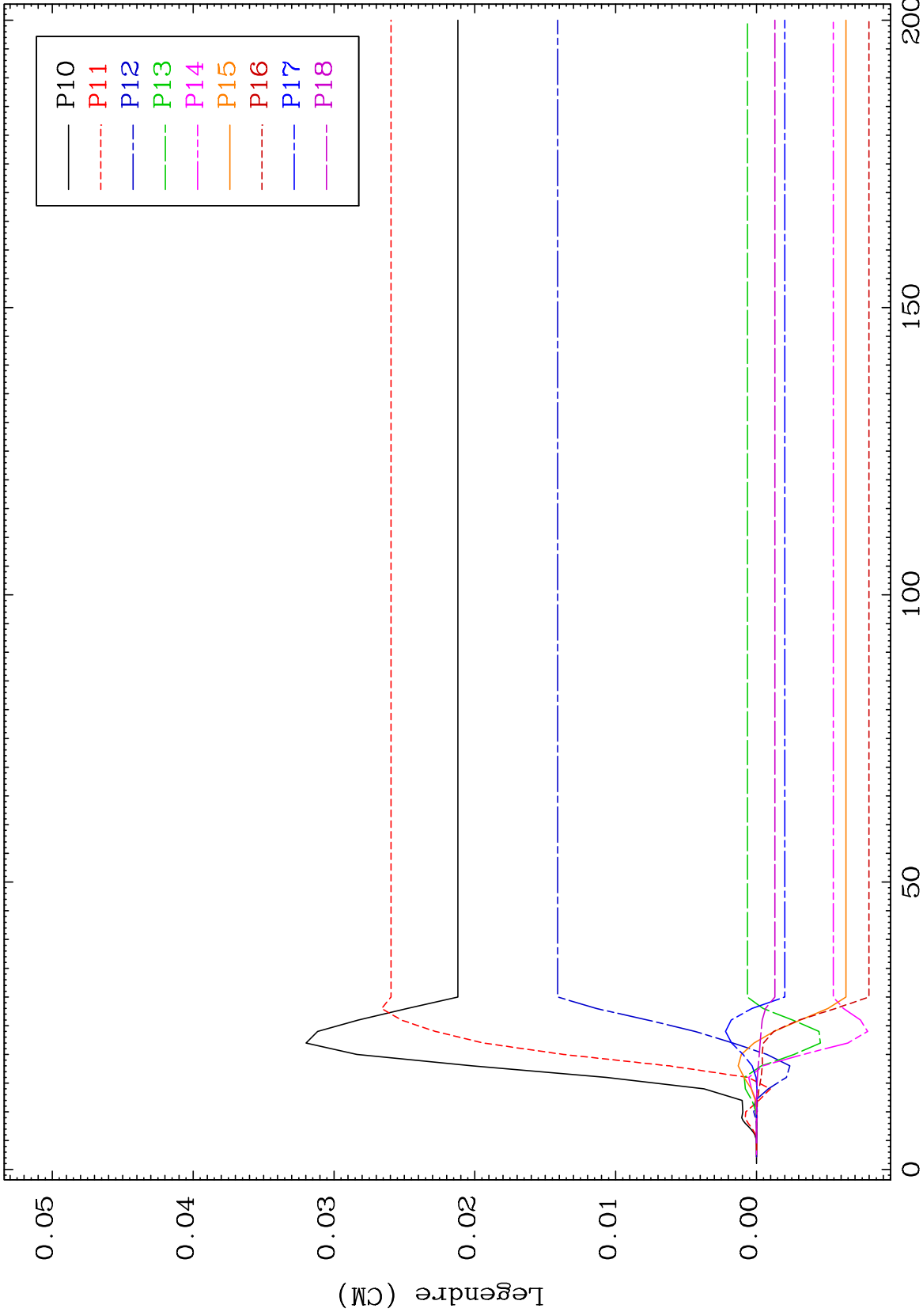
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



66

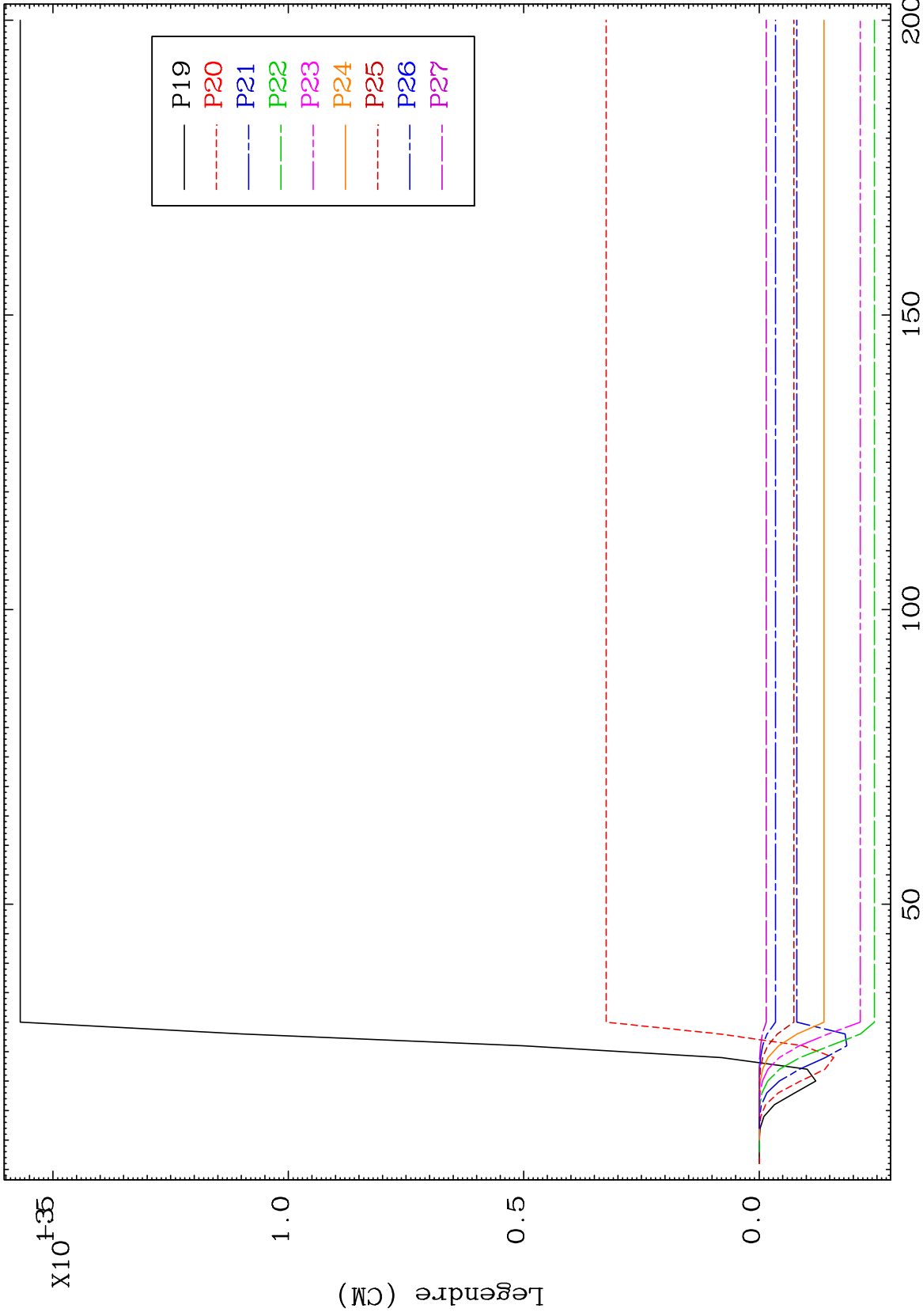
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



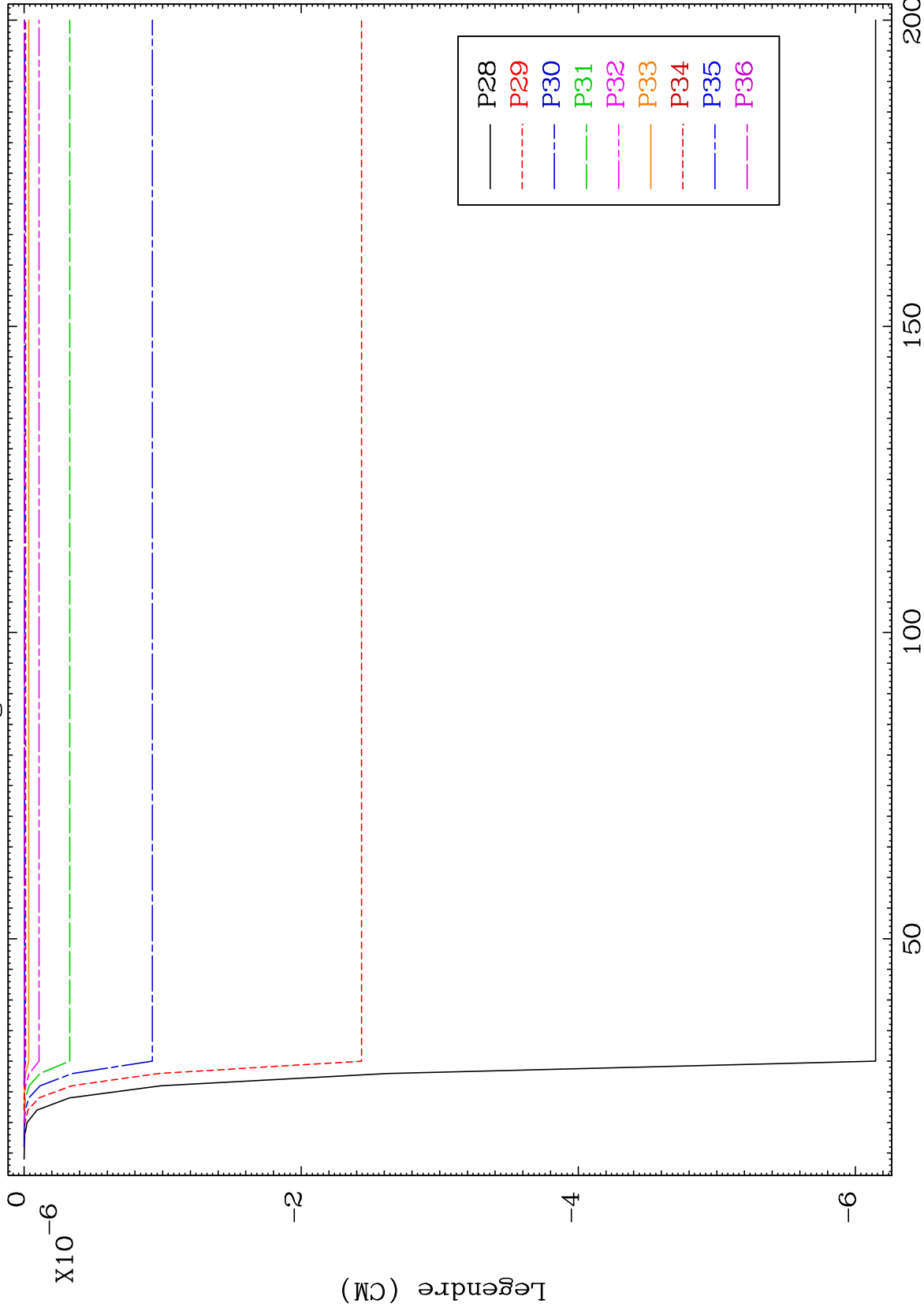
67

73-Ta-172

MAT 7301

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

73-Ta-172



73-Ta-172

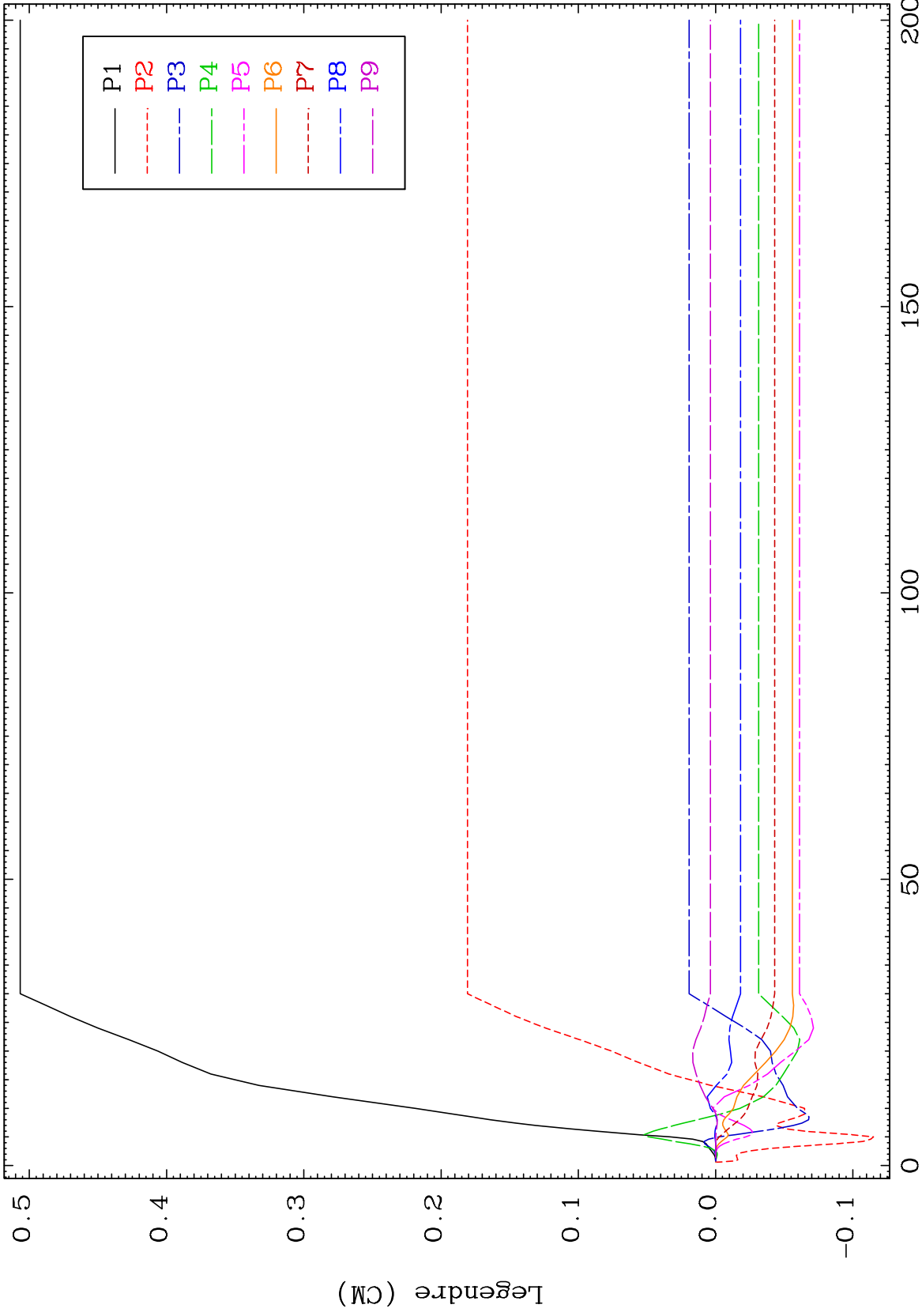
Incident Energy (MeV)

68

MAT 7301

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

73-Ta-172



69

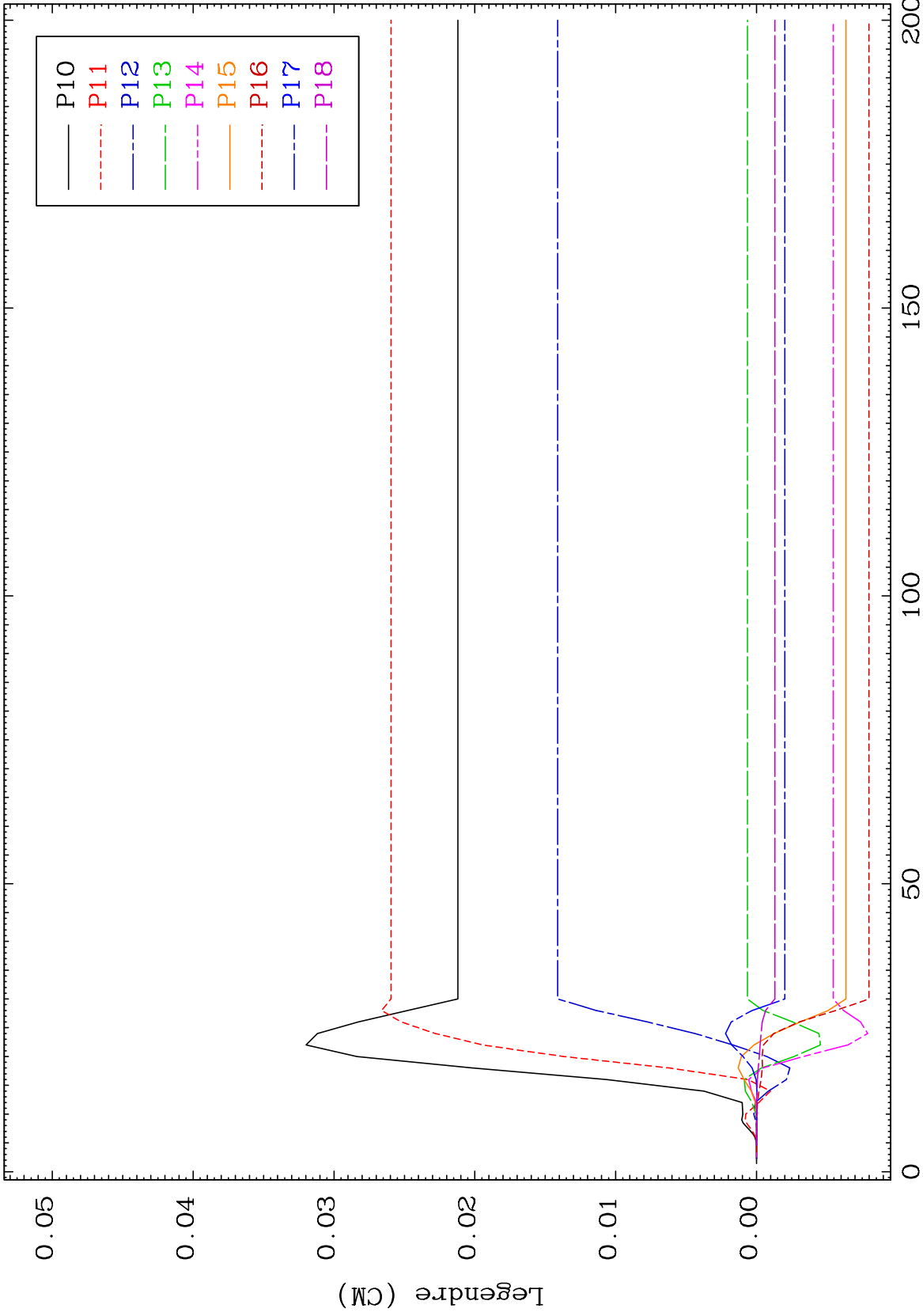
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



70

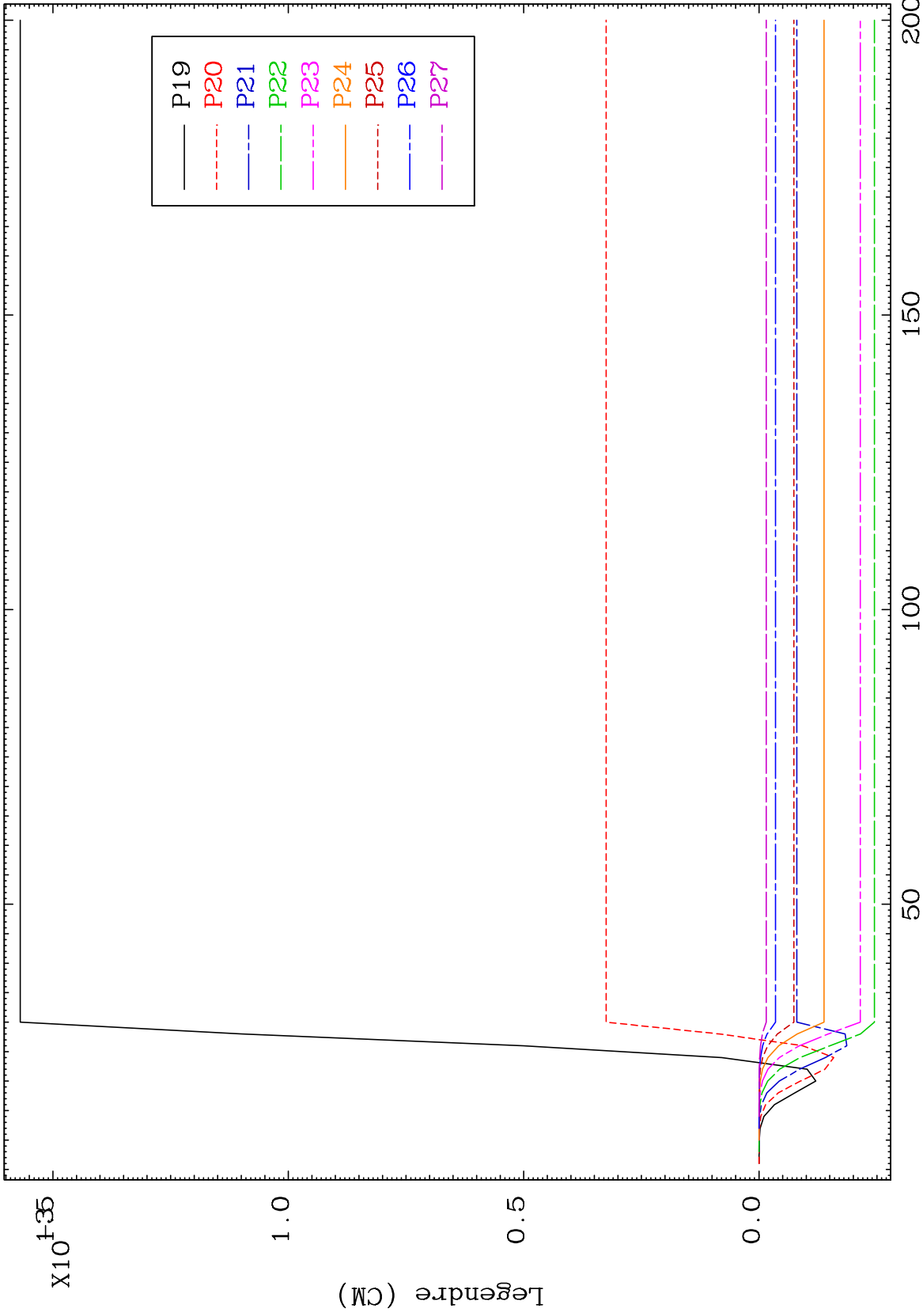
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



71

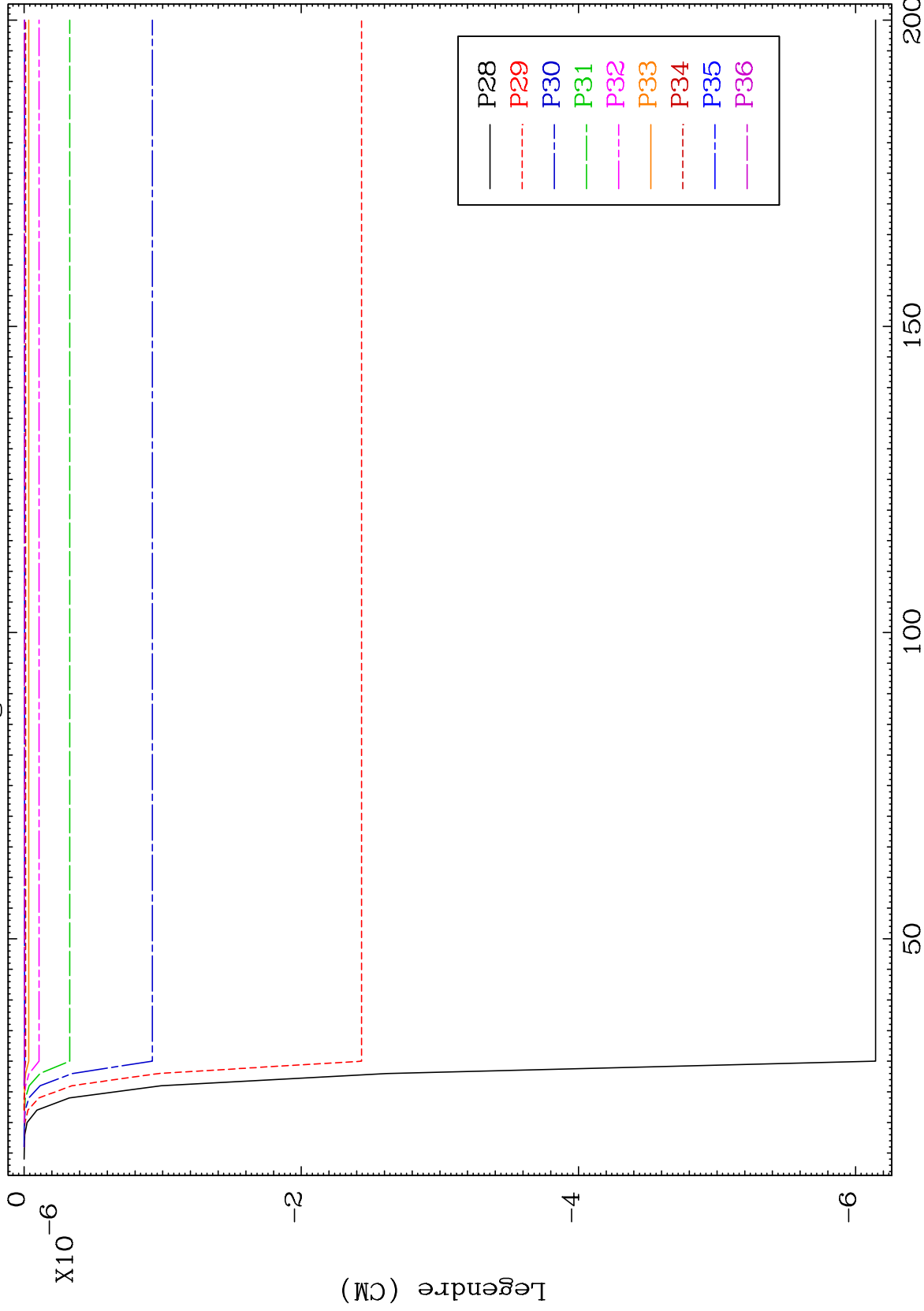
73-Ta-172



MAT 7301

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

73-Ta-172



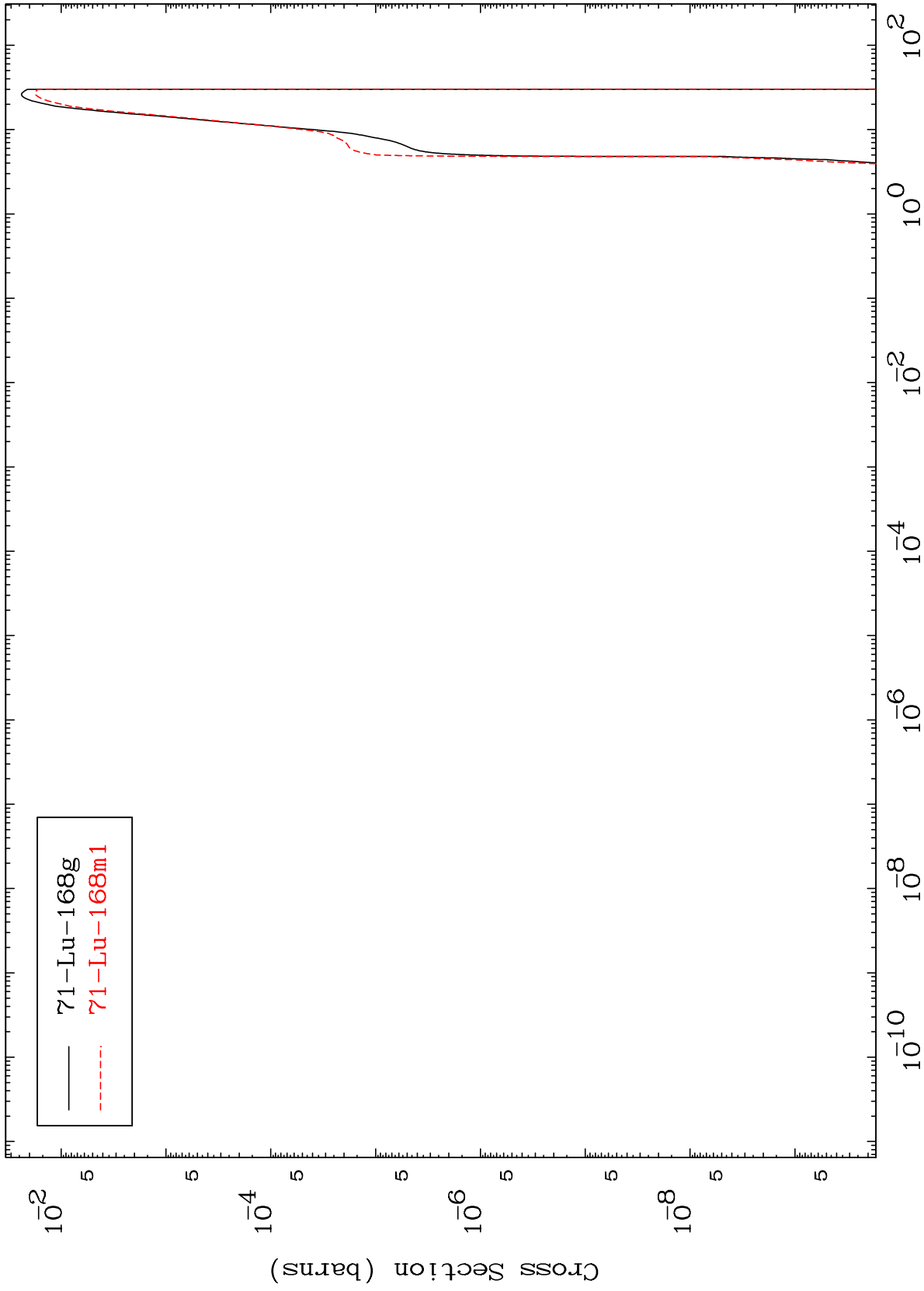
72

MAT 7301

(n,n')  $\alpha$

<sup>73</sup>Ta-172

Radionuclide Production Cross Section



<sup>73</sup>

Incident Energy (MeV)

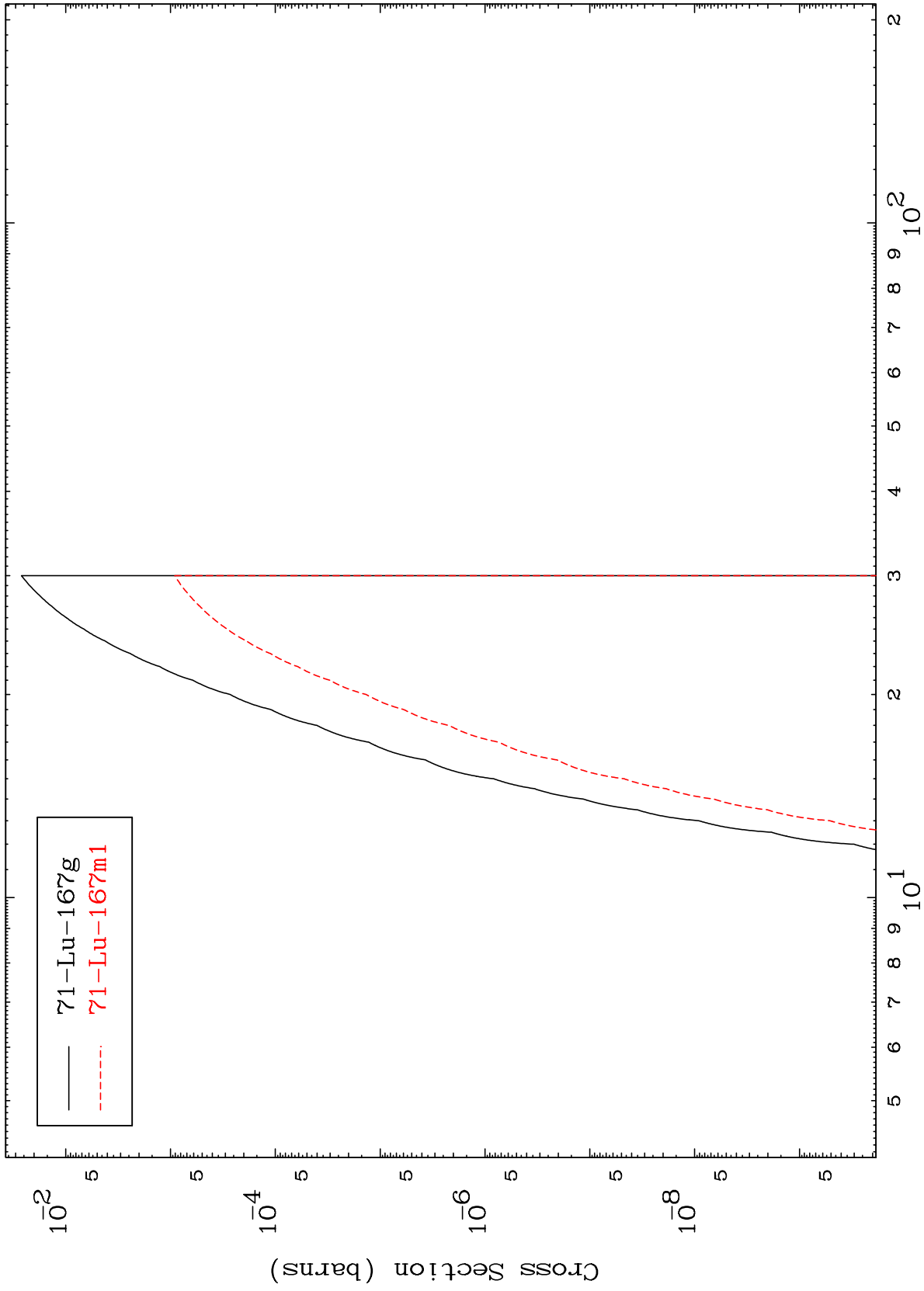
<sup>73</sup>Ta-172

MAT 7301

(n,2n)  $\alpha$

73-Ta-172

Radionuclide Production Cross Section



74

Incident Energy (MeV)

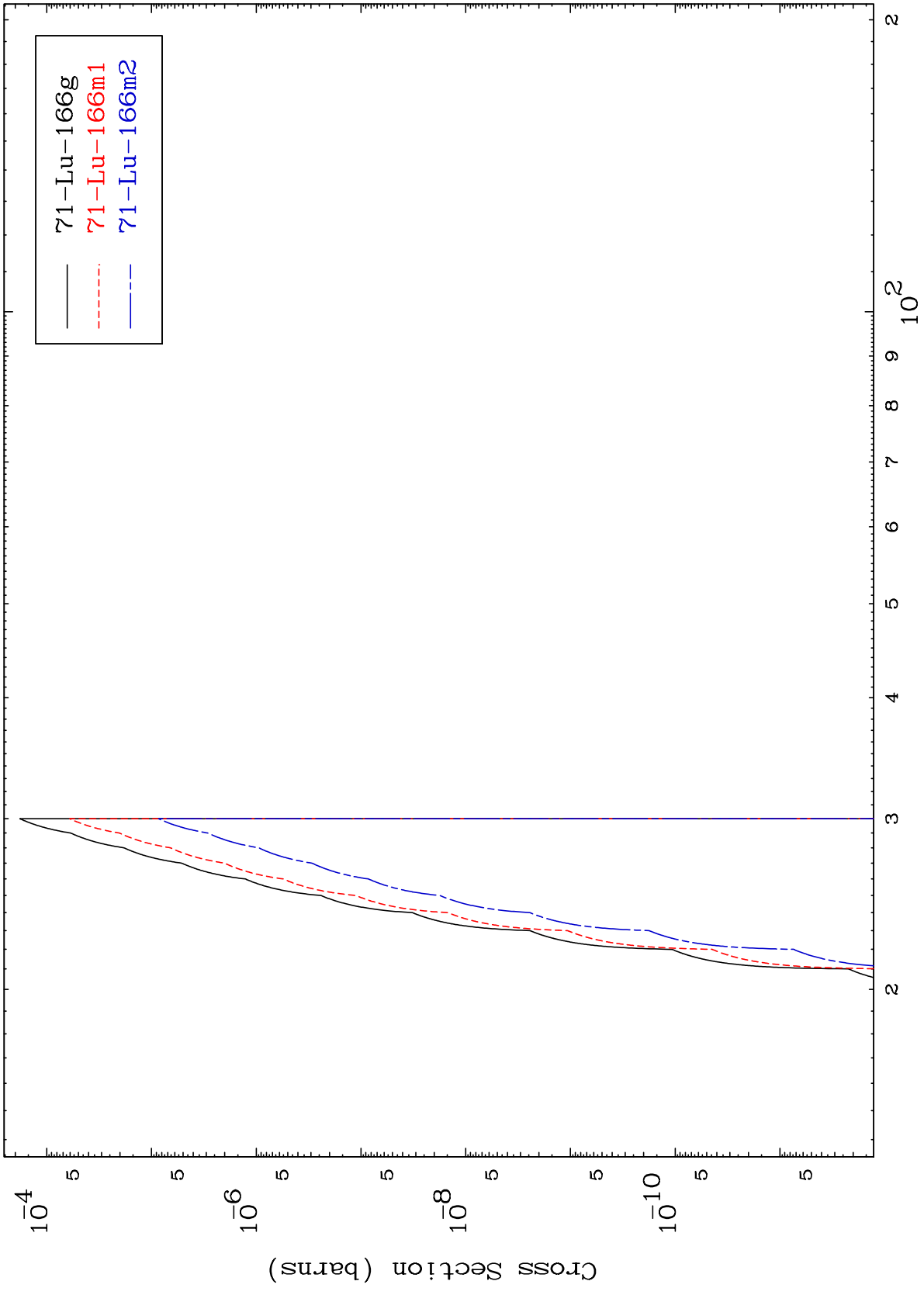
73-Ta-172

MAT 7301

$(n, 3n) \alpha$

$^{73}\text{Ta-172}$

Radionuclide Production Cross Section



75

Incident Energy (MeV)

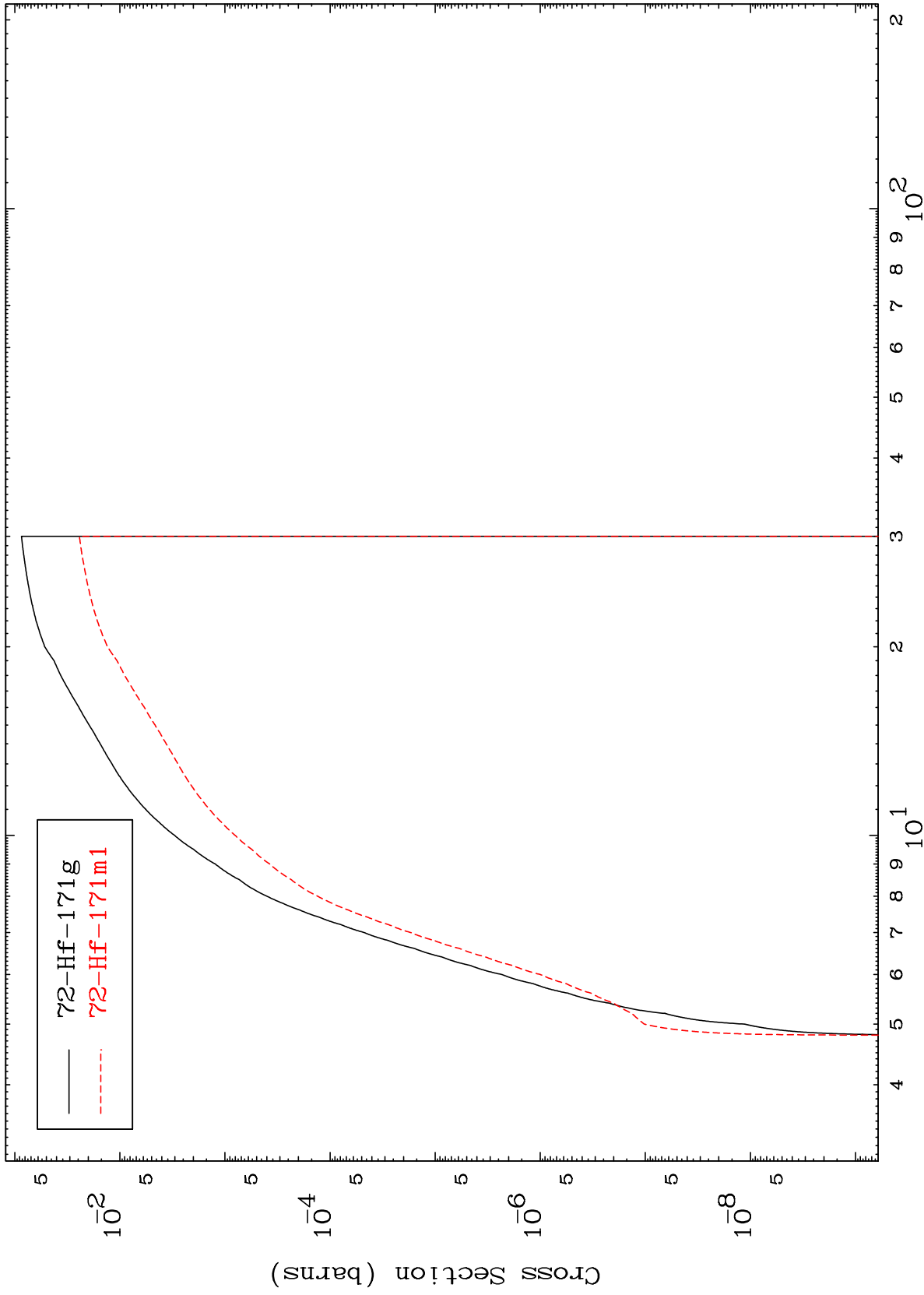
$^{73}\text{Ta-172}$

MAT 7301

(n,n') p

<sup>73</sup>Ta-172

Radionuclide Production Cross Section



76

Incident Energy (MeV)

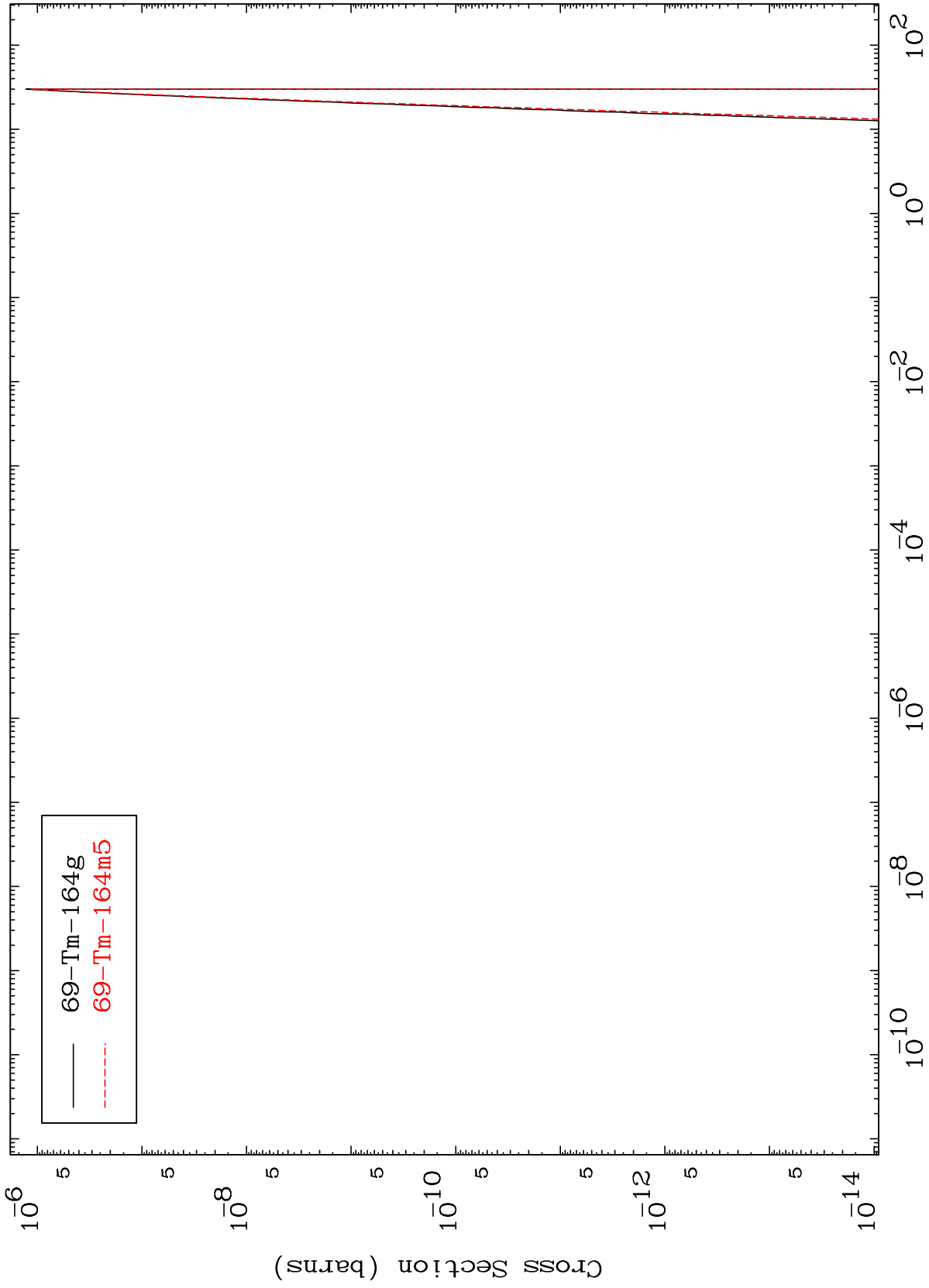
<sup>73</sup>Ta-172

MAT 7301

(n,n') 2 $\alpha$

73-Ta-172

Radionuclide Production Cross Section



69-Tm-164g  
69-Tm-164m5

77

Incident Energy (MeV)

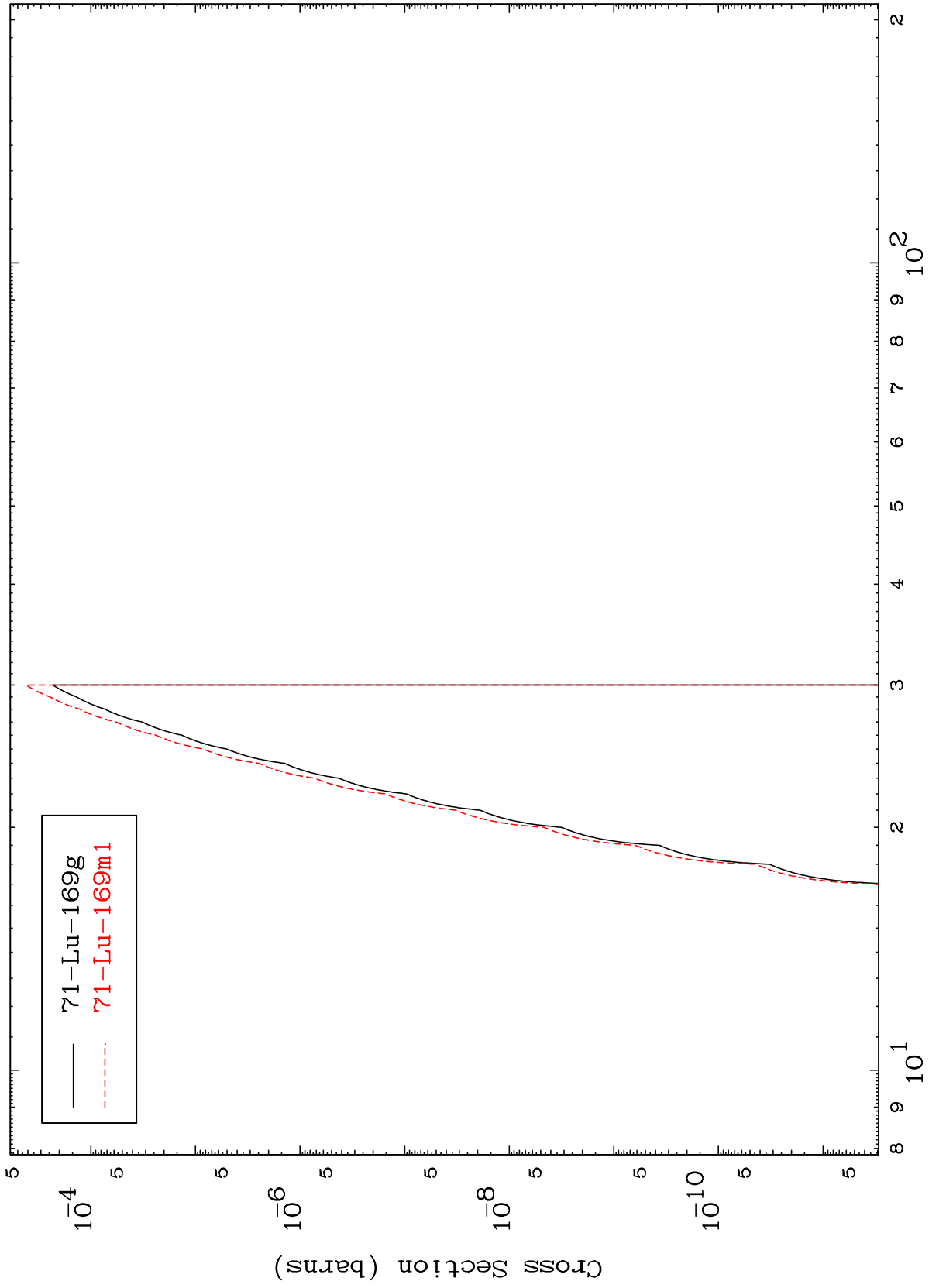
73-Ta-172

MAT 7301

(n, n') He-3

73-Ta-172

Radionuclide Production Cross Section



78

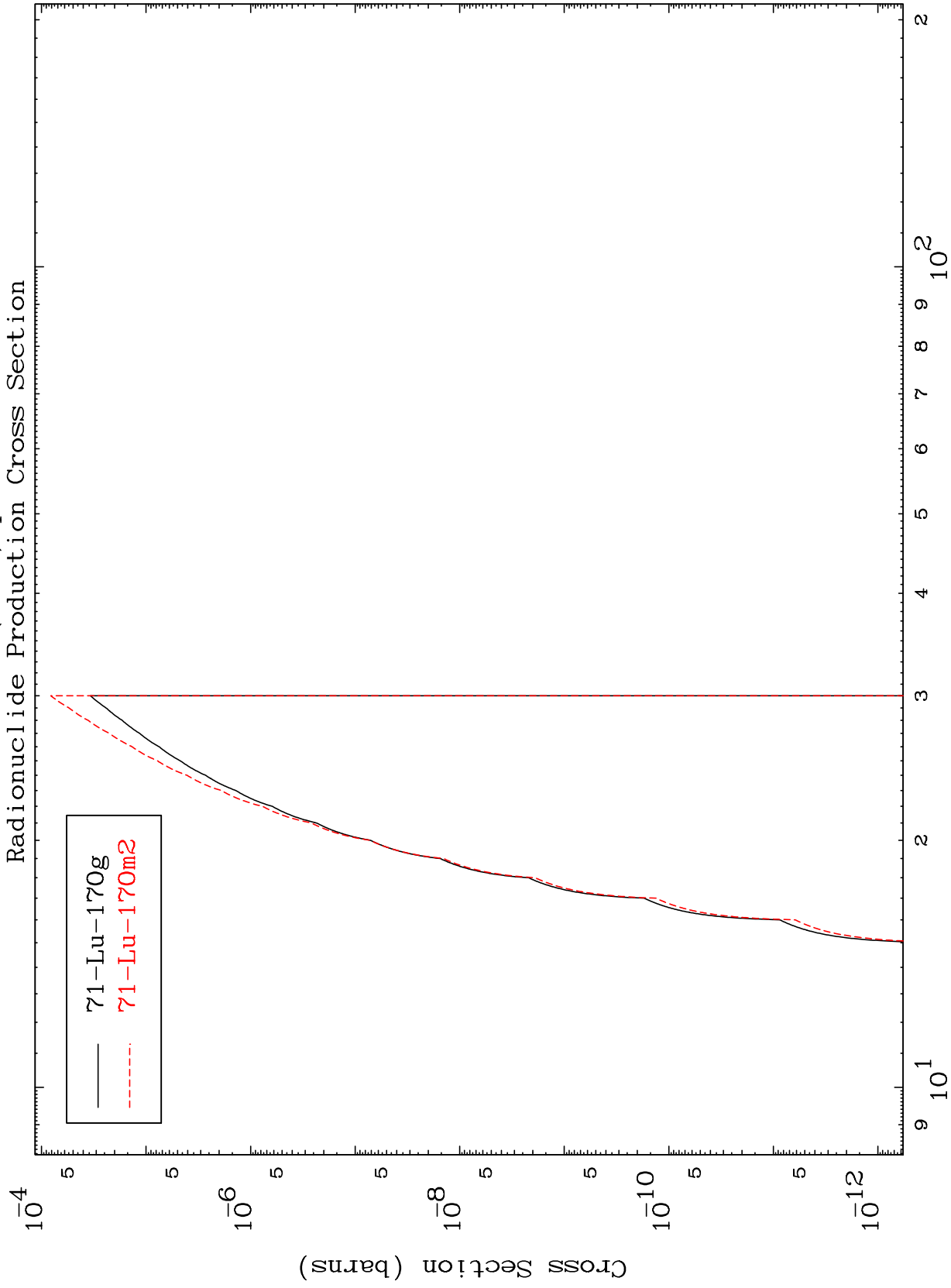
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,2n) p

<sup>73</sup>Ta-172



79

Incident Energy (MeV)

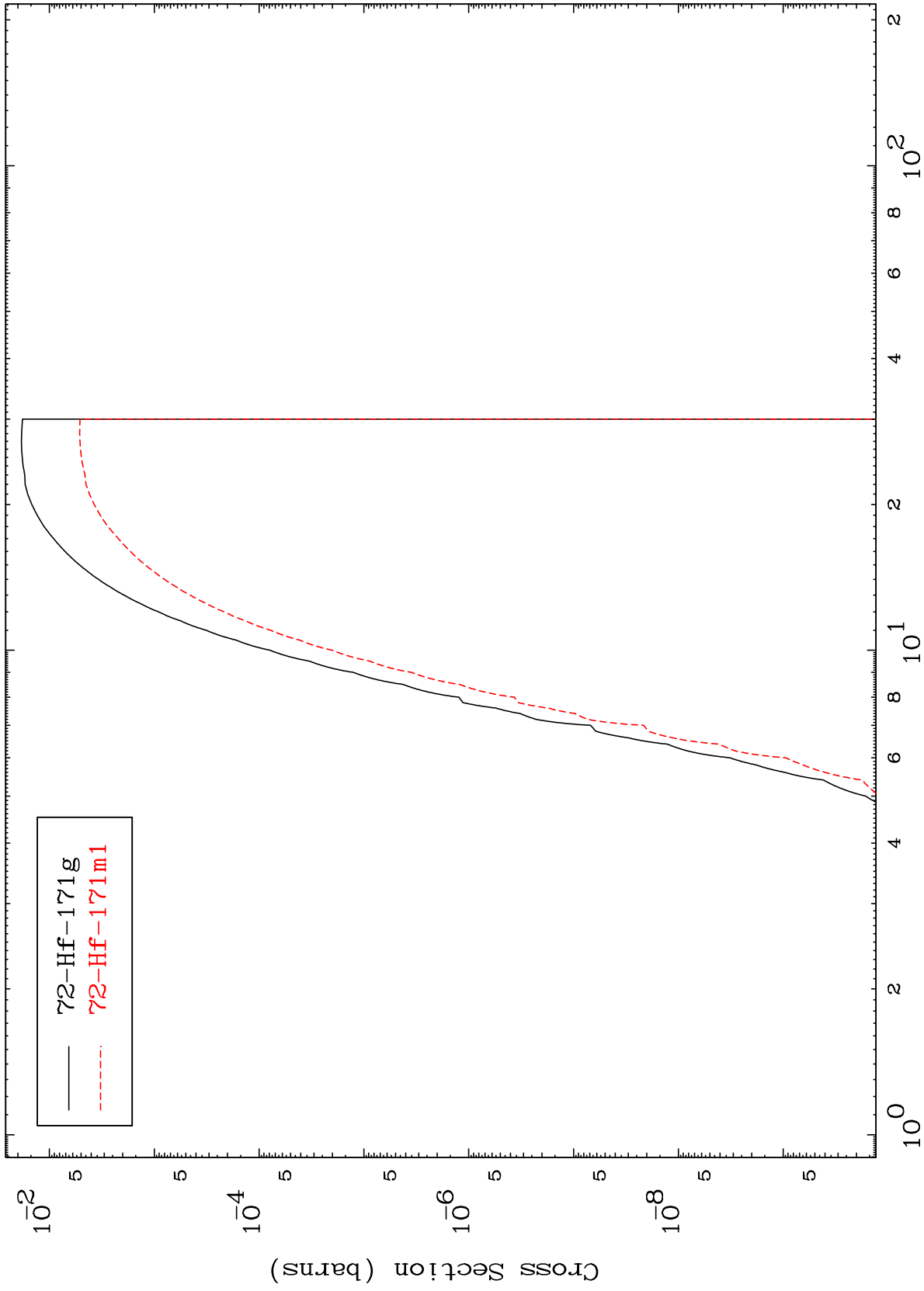
<sup>73</sup>Ta-172



MAT 7301

(n,d)  
Radionuclide Production Cross Section

<sup>73</sup>Ta-172



80

Incident Energy (MeV)

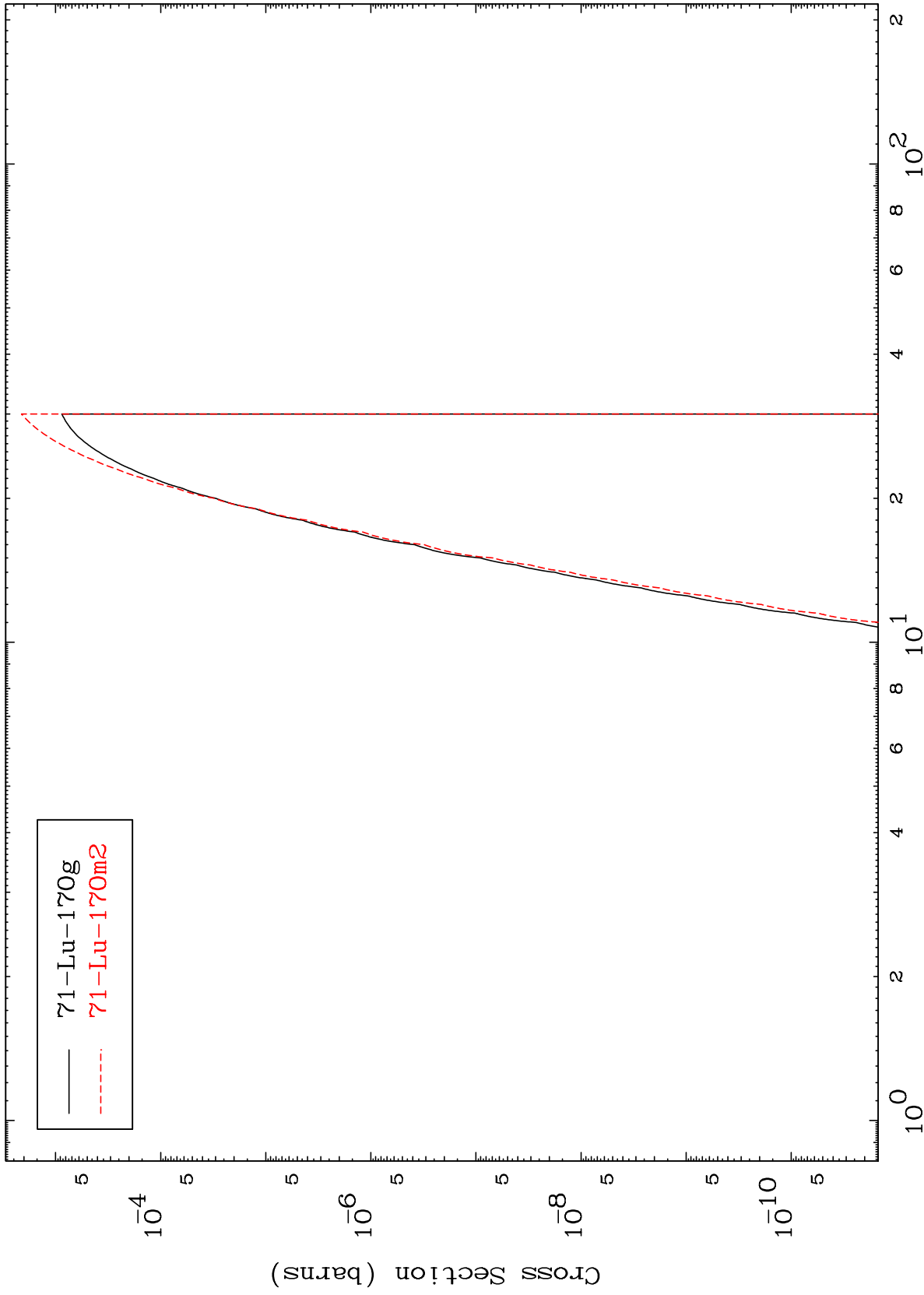
<sup>73</sup>Ta-172

MAT 7301

(n, He-3)

<sup>73</sup>Ta-172

Radionuclide Production Cross Section



81

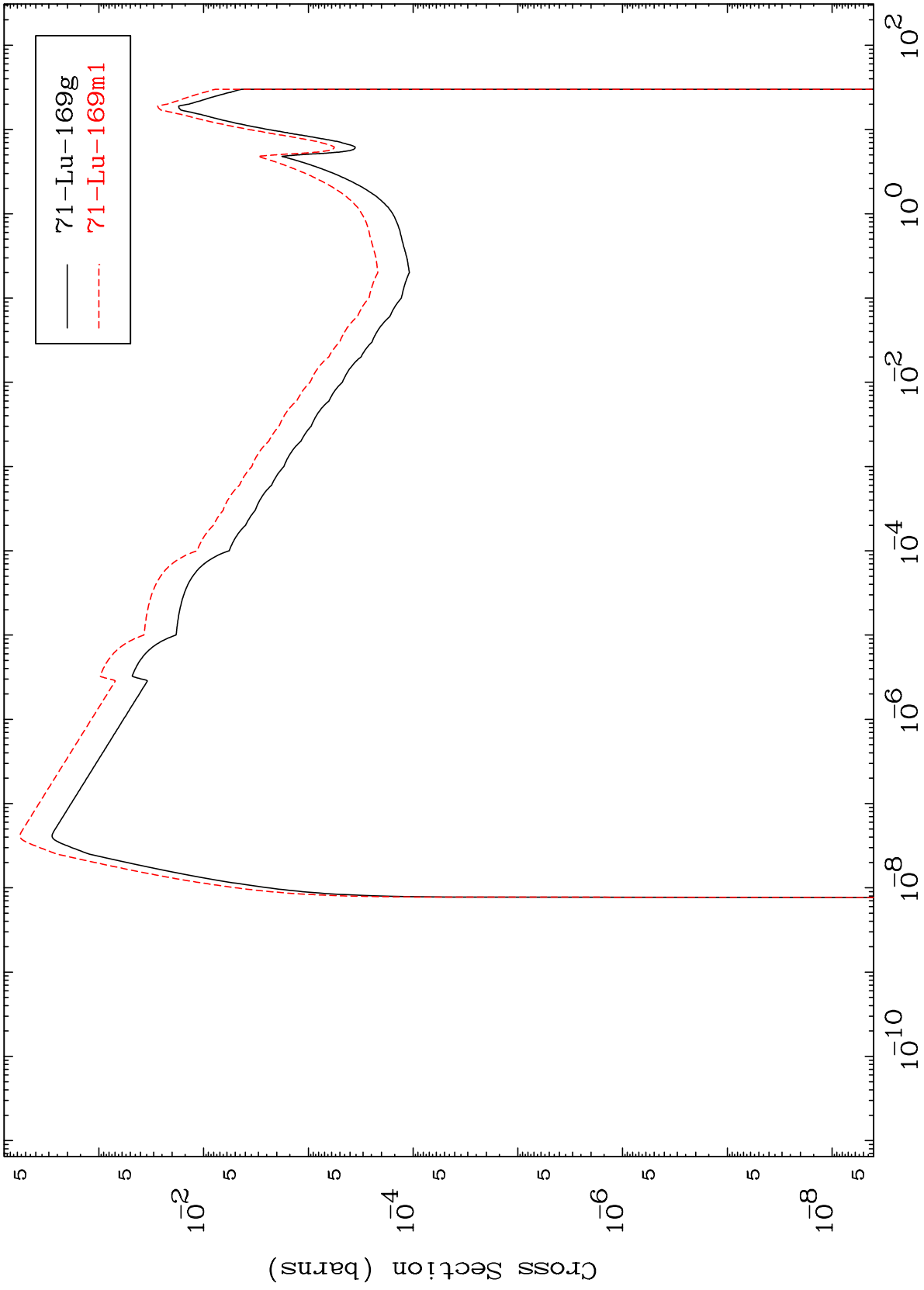
Incident Energy (MeV)

<sup>73</sup>Ta-172

MAT 7301

73-Ta-172

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



82

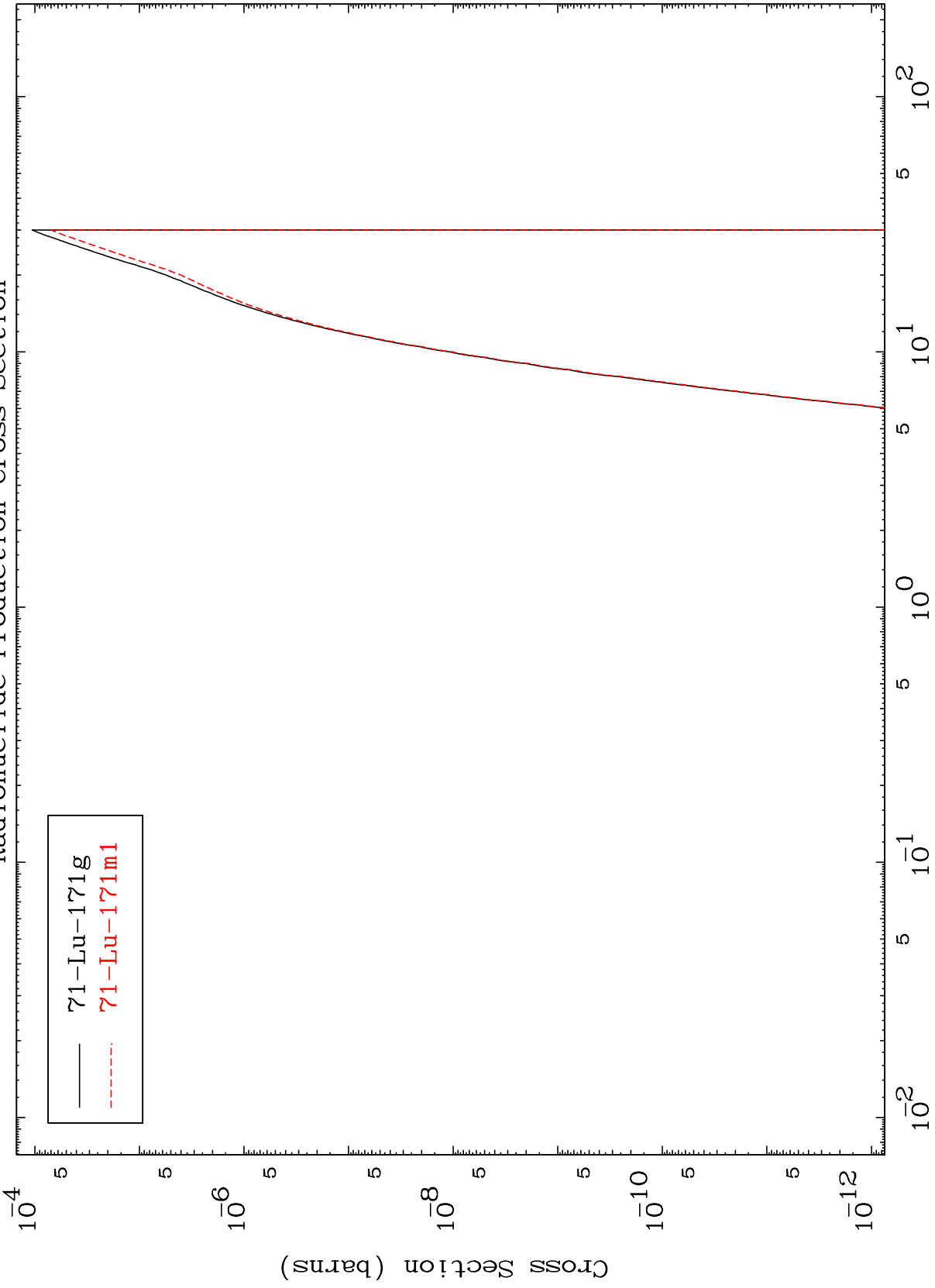
73-Ta-172

MAT 7301

(n,2p)

73-Ta-172

Radionuclide Production Cross Section



71-Lu-171g  
71-Lu-171m1

83

Incident Energy (MeV)

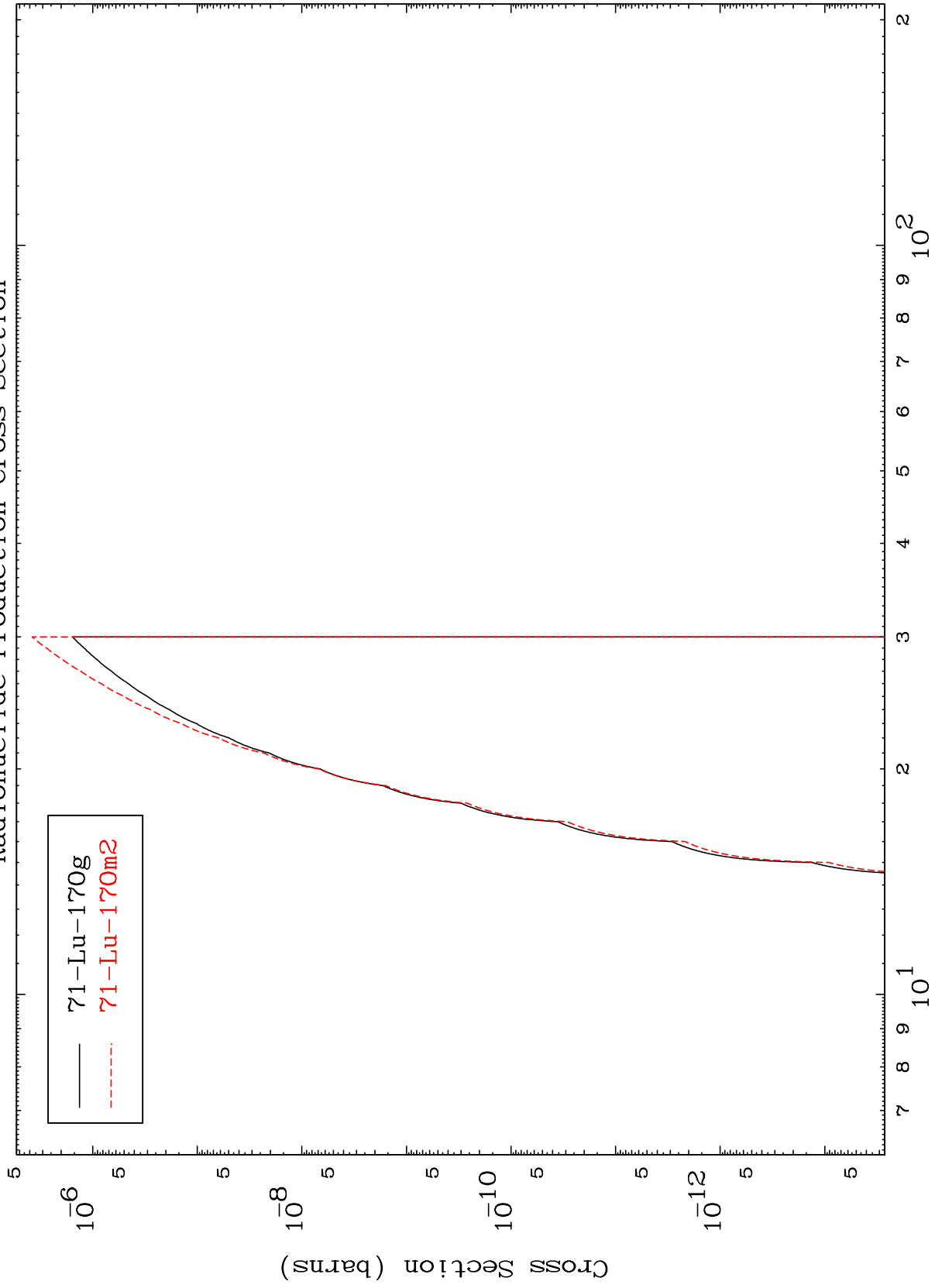
73-Ta-172

MAT 7301

(n,p) d

73-Ta-172

Radionuclide Production Cross Section



84

Incident Energy (MeV)

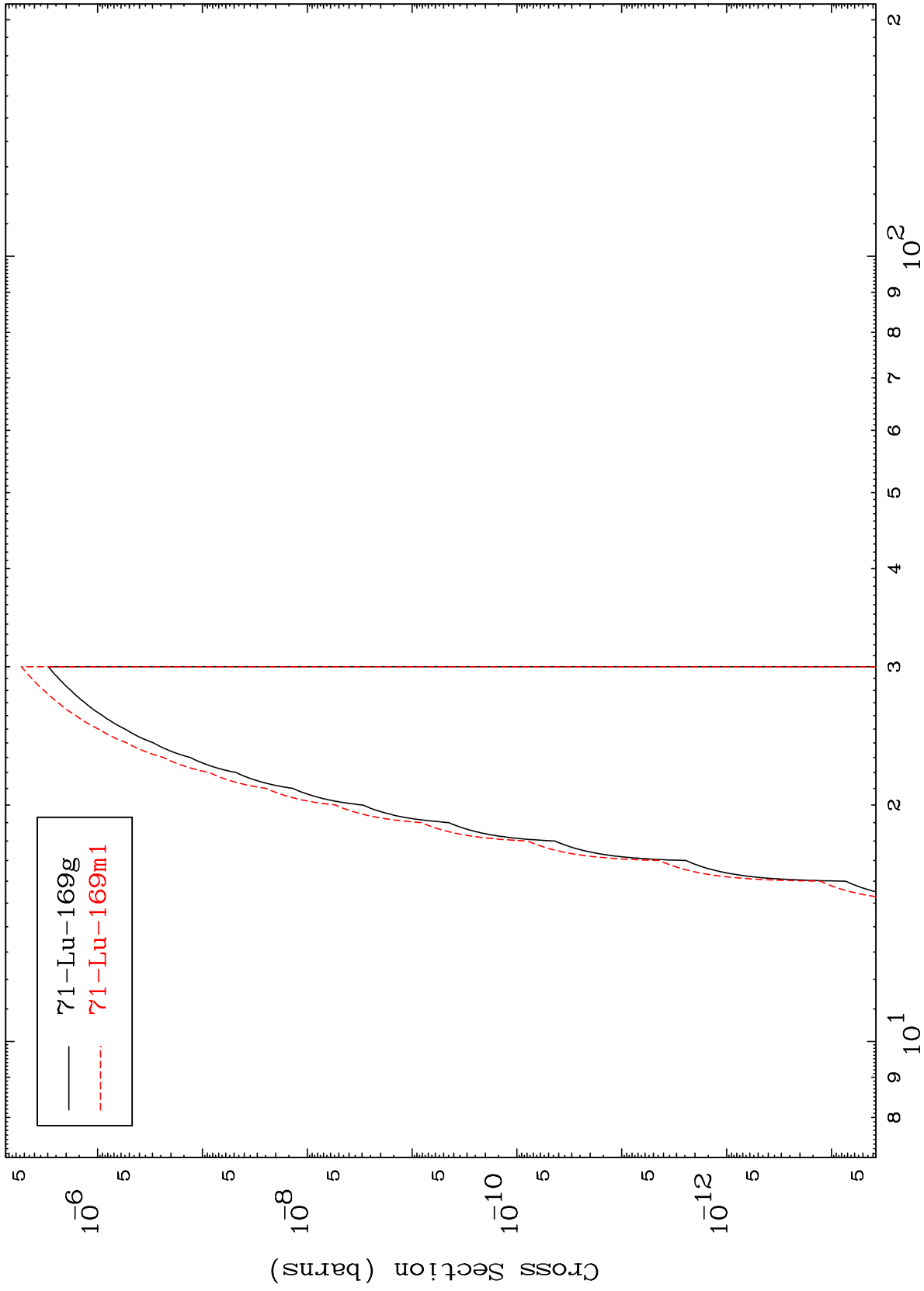
73-Ta-172

MAT 7301

(n,p) t

73-Ta-172

Radionuclide Production Cross Section



85

Incident Energy (MeV)

73-Ta-172