

Program EVALPLOT  
(Version 2017-1)

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

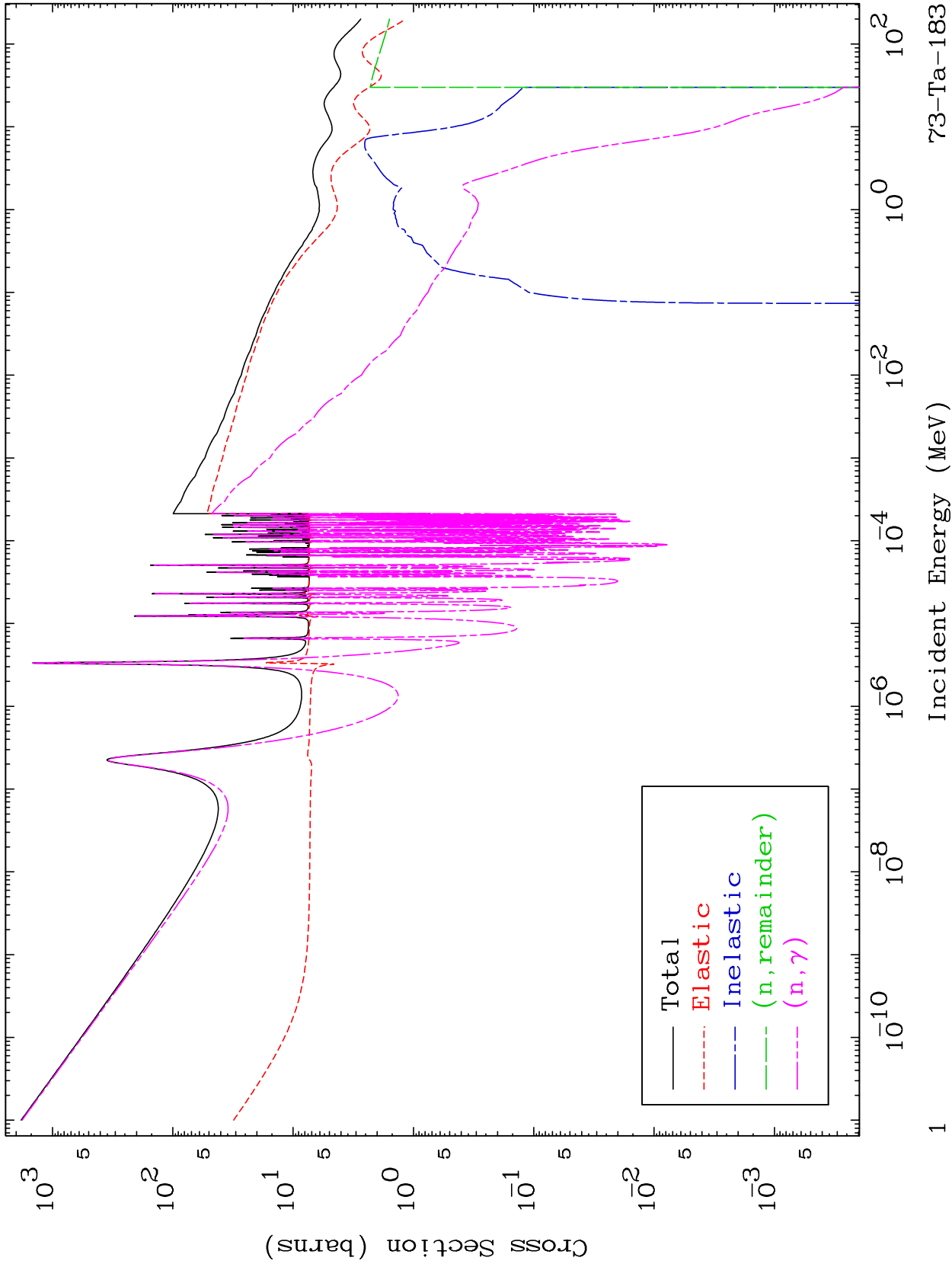
Press Mouse Button to Start

MAT 7334

Major

293 Kelvin Cross Sections

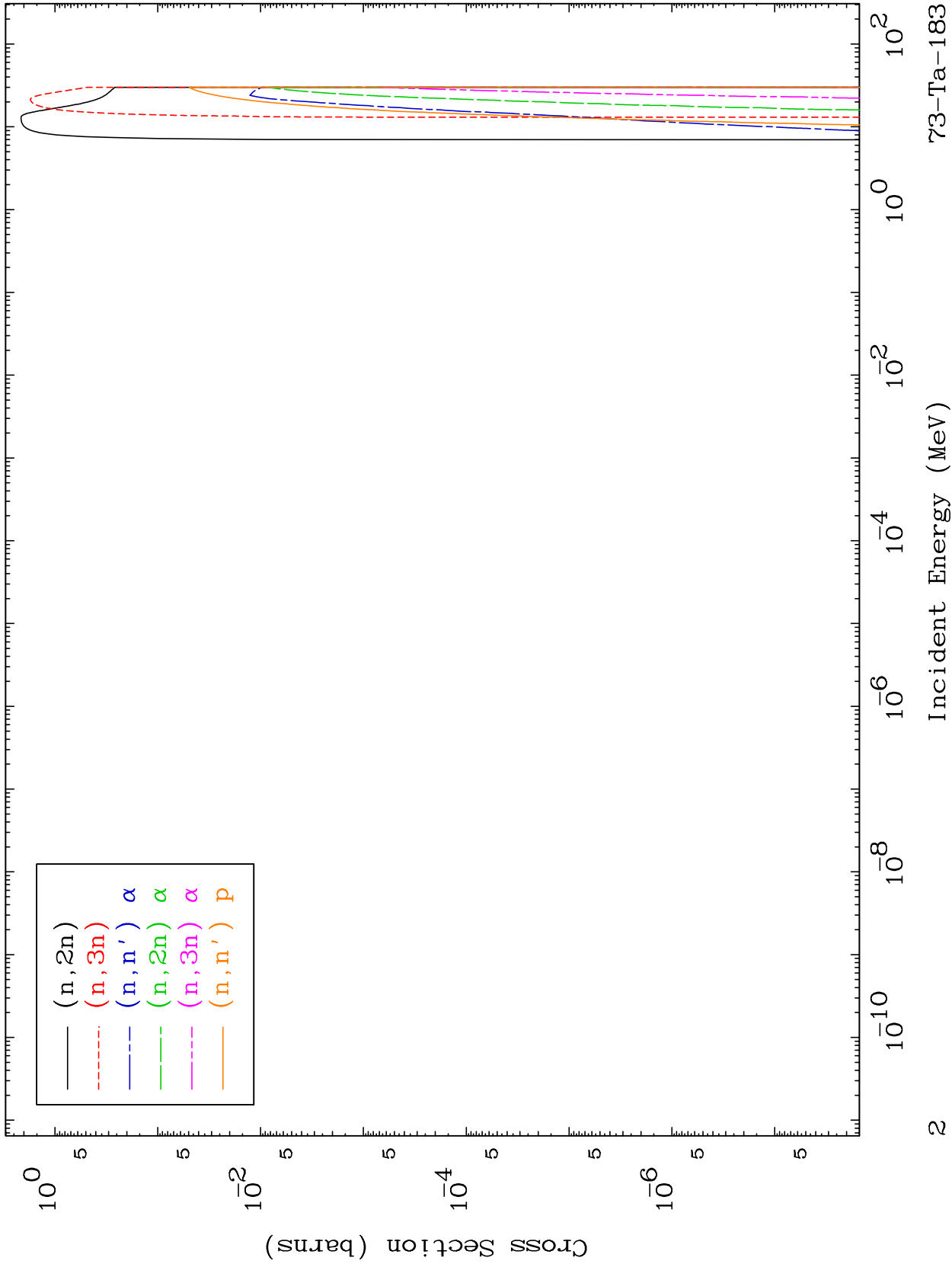
73-Ta-183

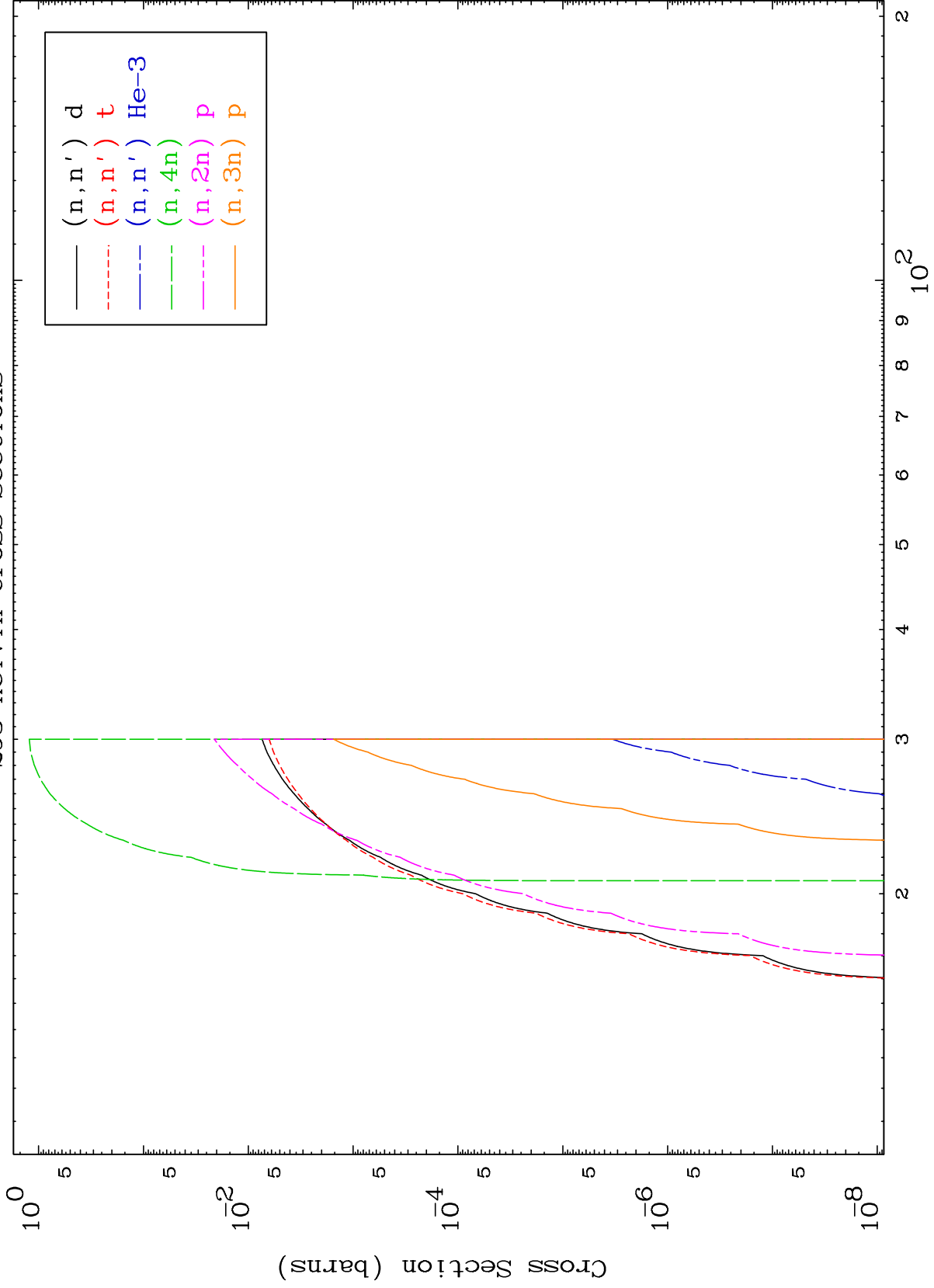


MAT 7334

Neutron Production  
293 Kelvin Cross Sections

73-Ta-183

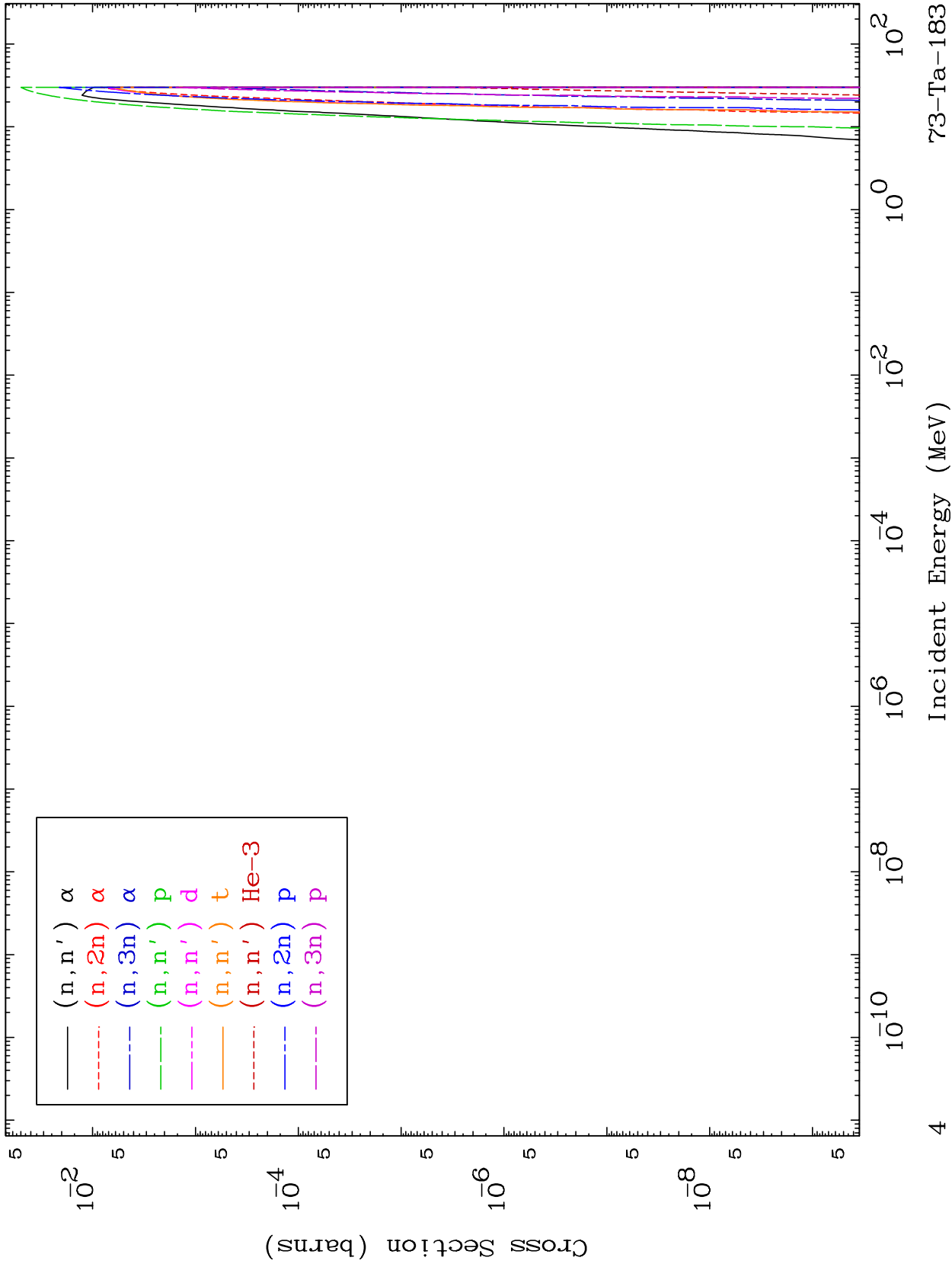




MAT 7334

Charged Particle  
293 Kelvin Cross Sections

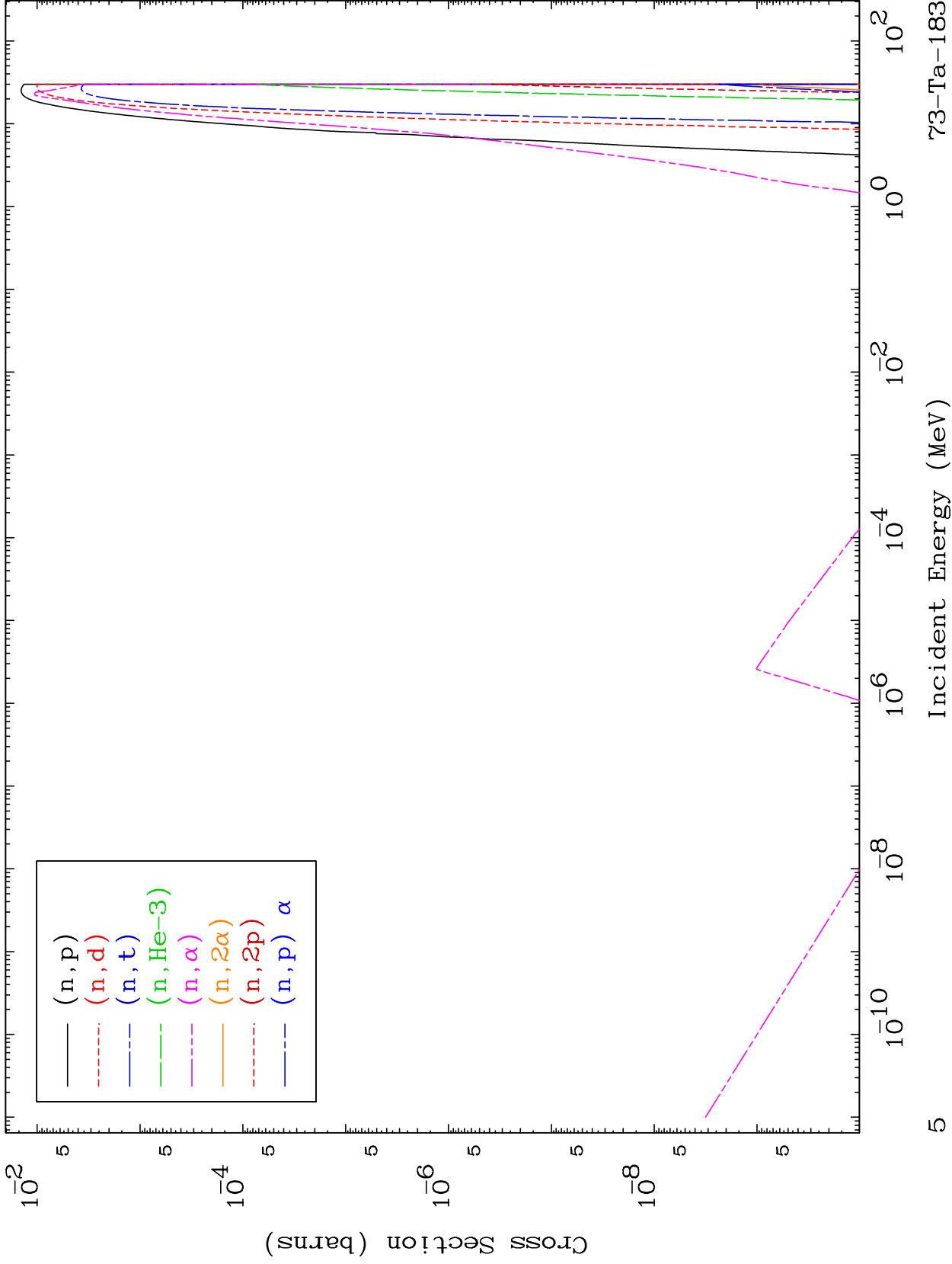
73-Ta-183

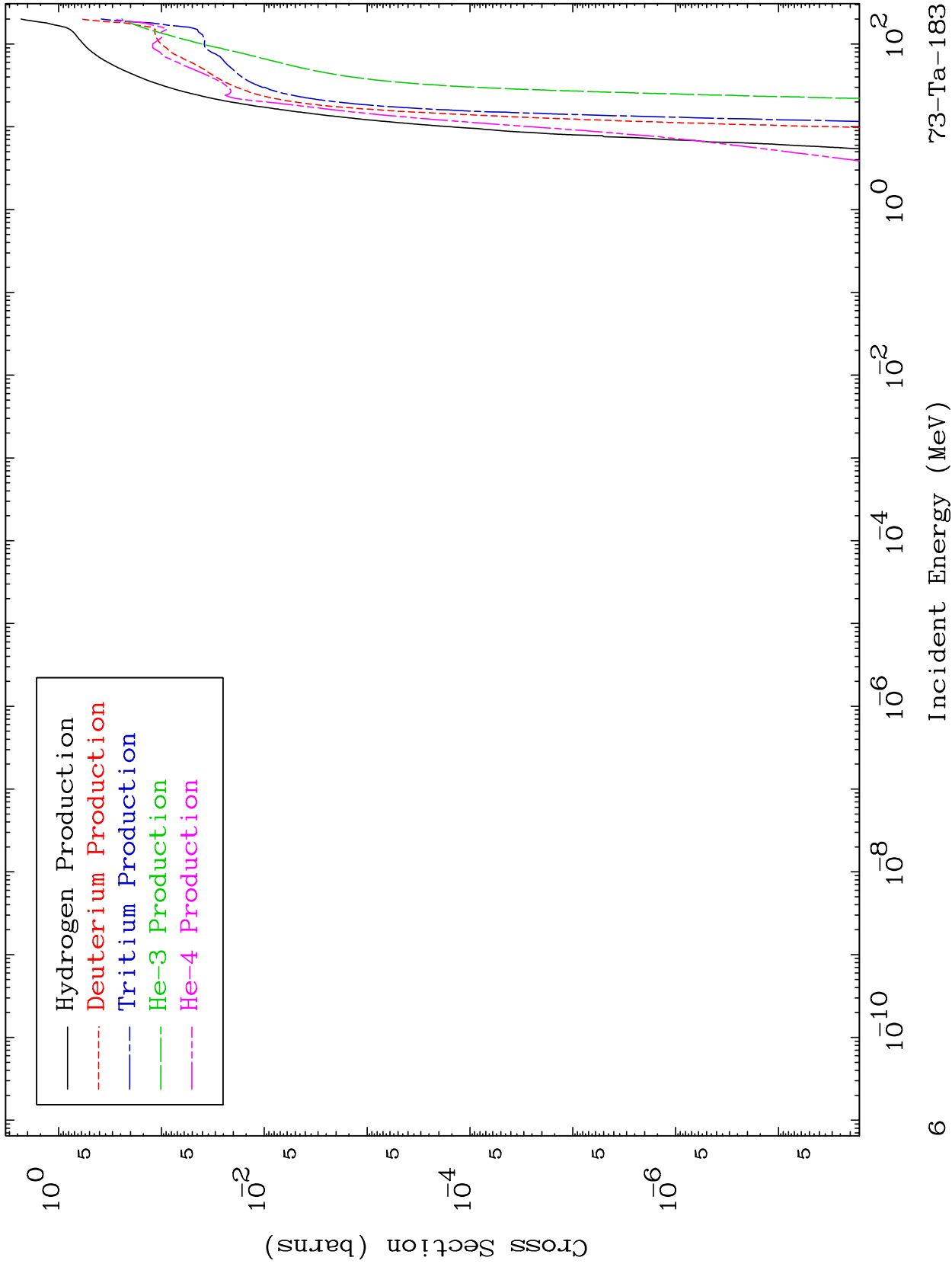


MAT 7334

Charged Particle  
293 Kelvin Cross Sections

73-Ta-183



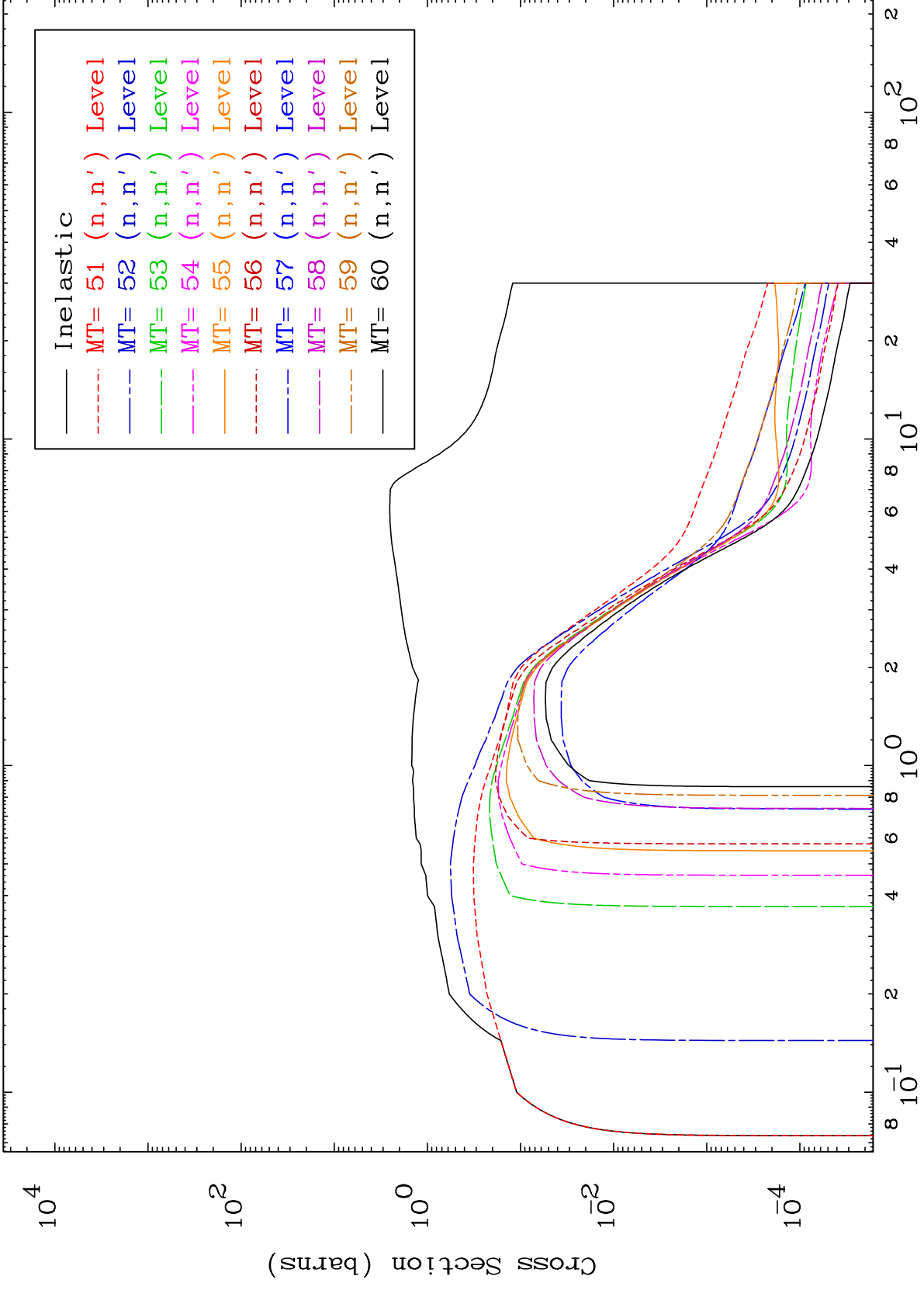


MAT 7334

(n,n') Level

73-Ta-183

293 Kelvin Cross Sections



7

Incident Energy (MeV)

73-Ta-183

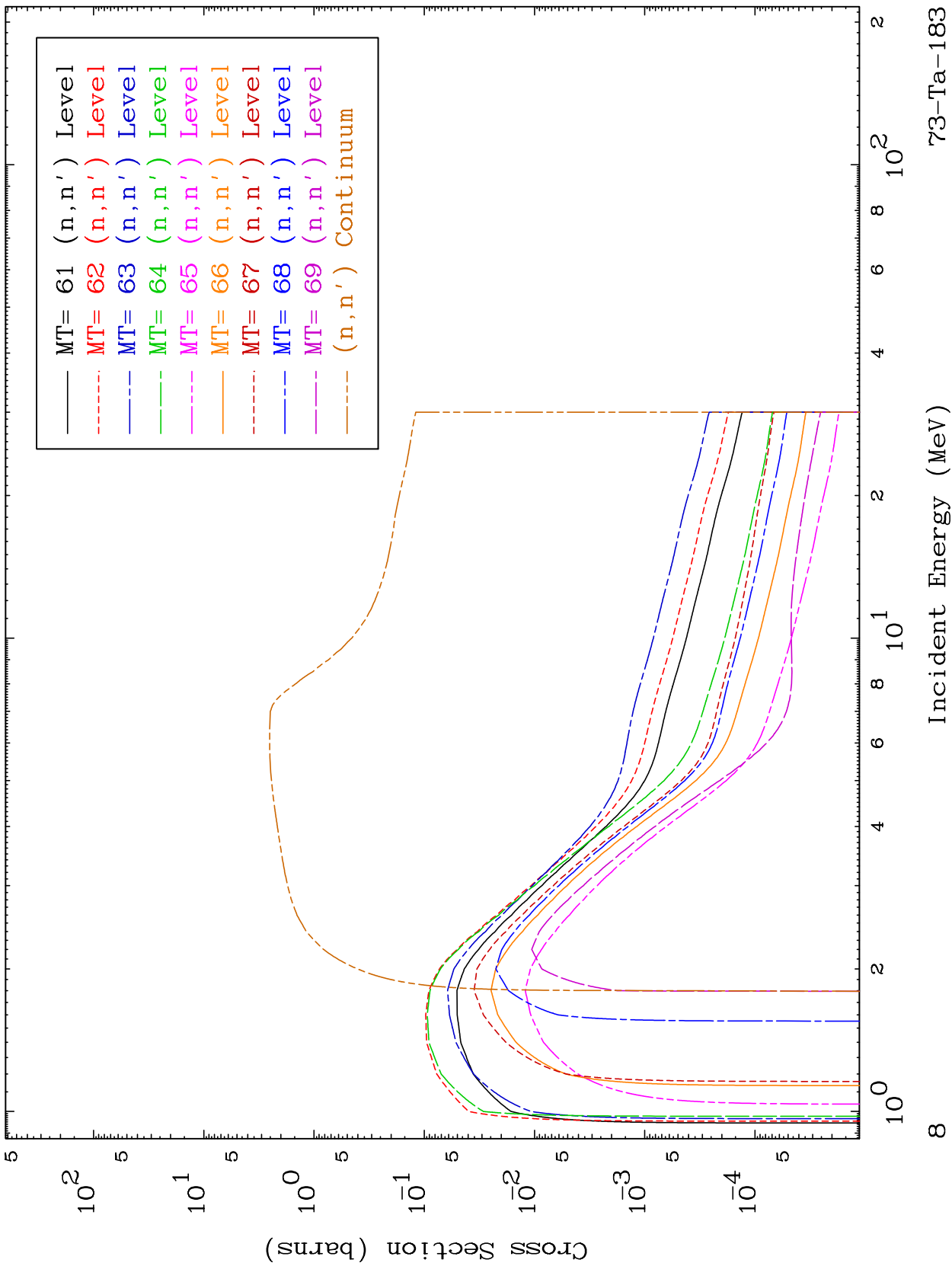


MAT 7334

(n,n') Level

73-Ta-183

293 Kelvin Cross Sections



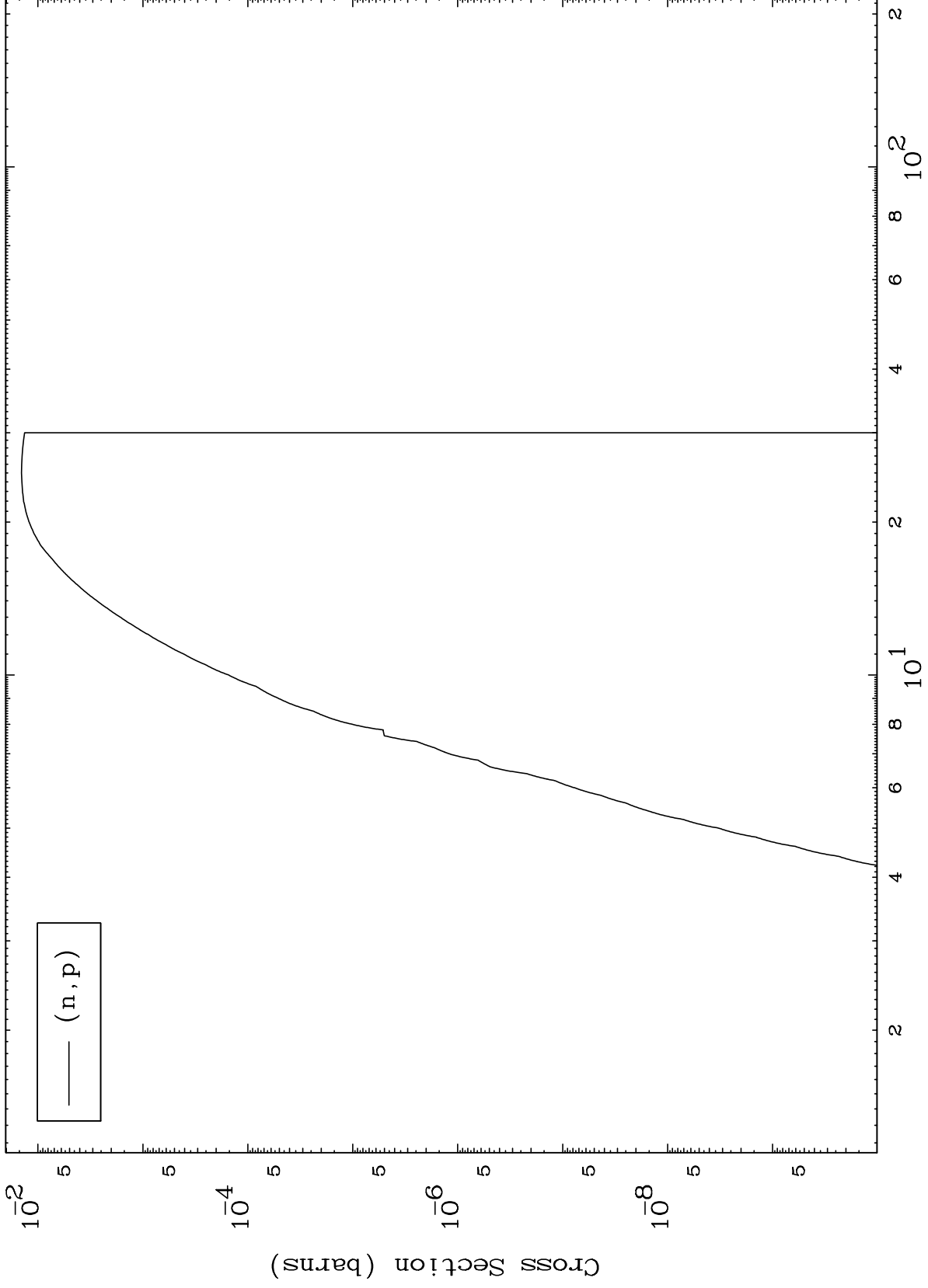
Incident Energy (MeV)

73-Ta-183

MAT 7334

(n,p) Levels  
293 Kelvin Cross Sections

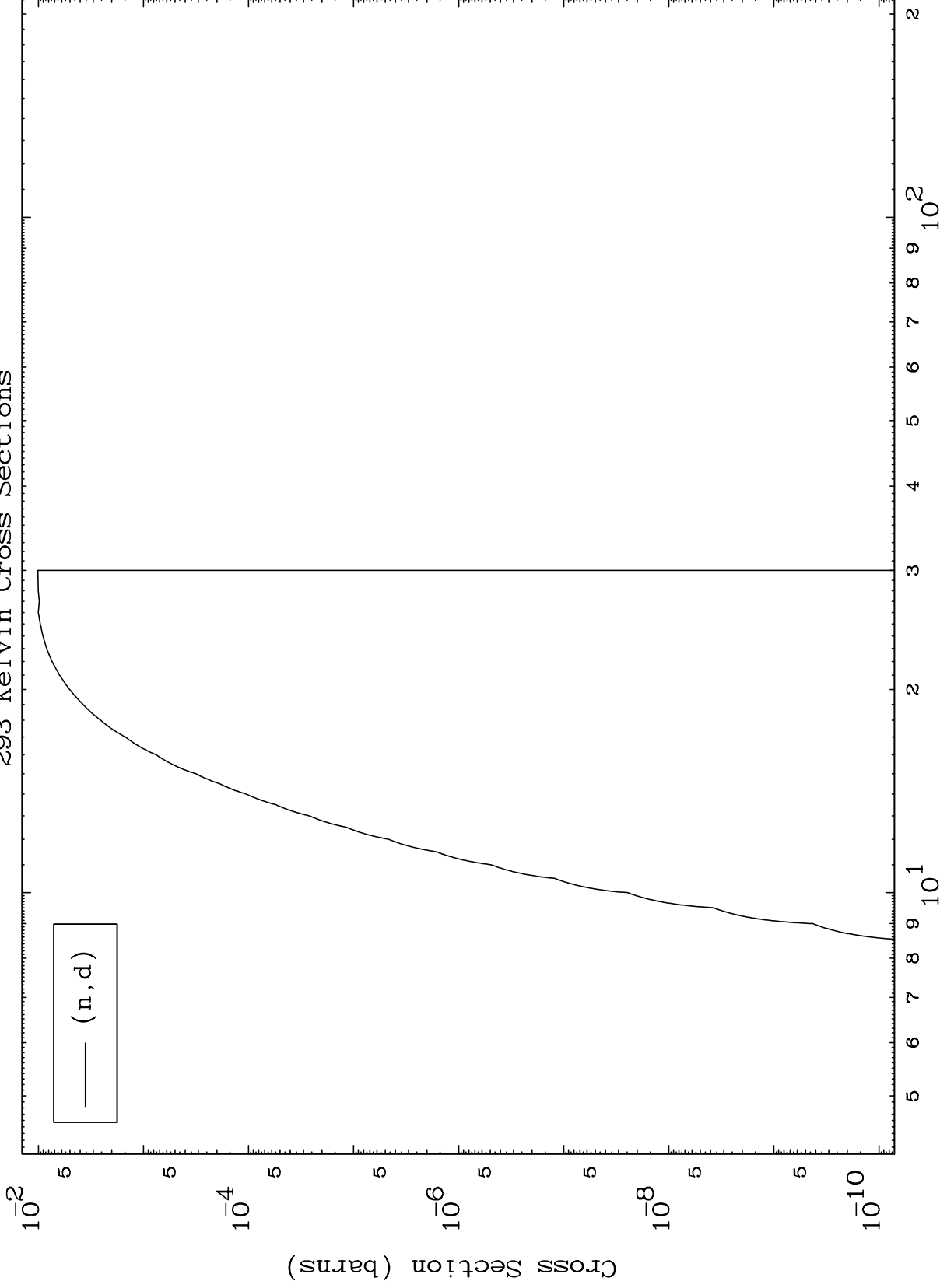
<sup>73</sup>Ta-183



MAT 7334

(n,d) Levels  
293 Kelvin Cross Sections

<sup>73</sup>Ta-183



10

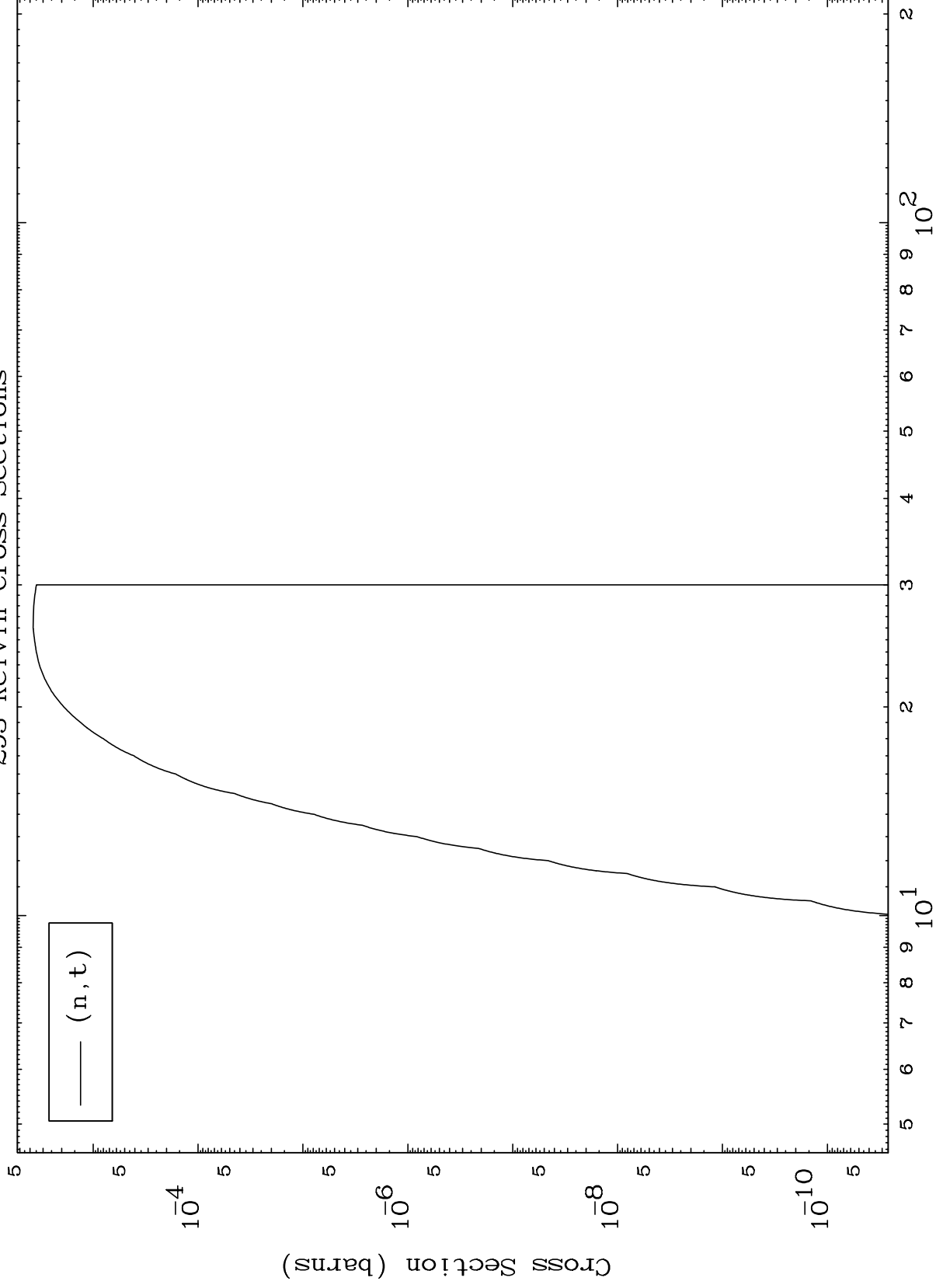
Incident Energy (MeV)

<sup>73</sup>Ta-183

MAT 7334

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-183



11

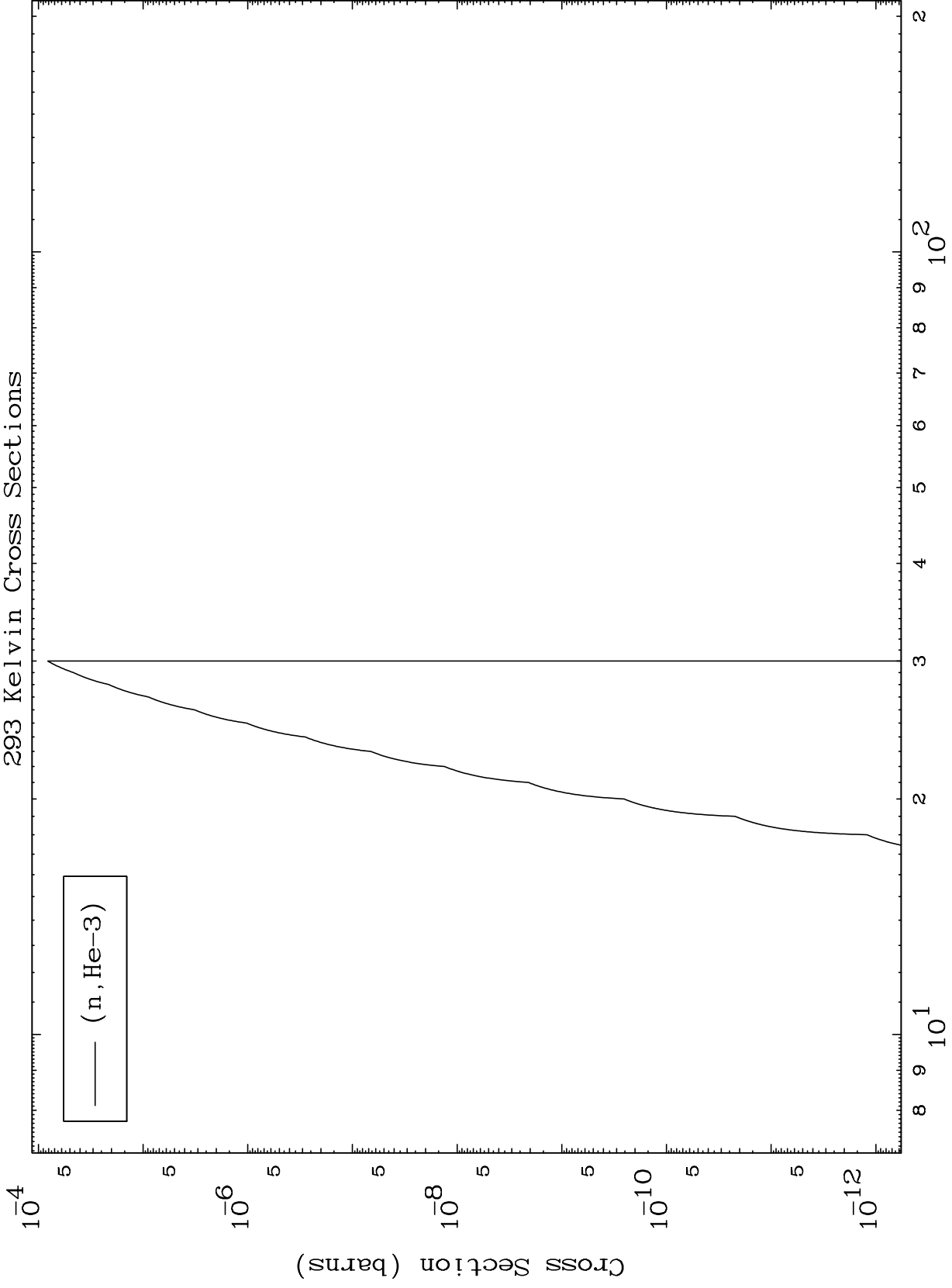
Incident Energy (MeV)

73-Ta-183

MAT 7334

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-183



12

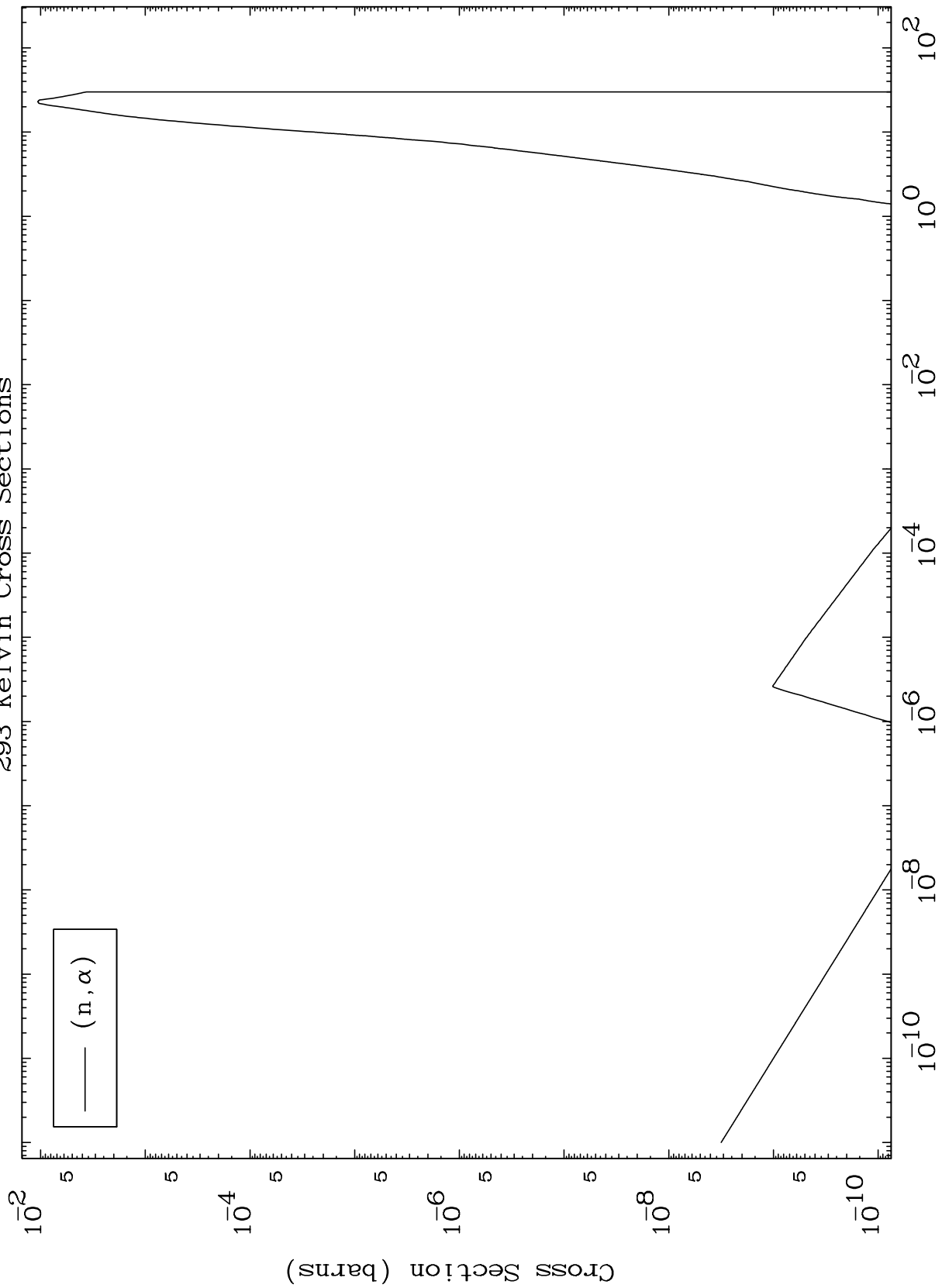
Incident Energy (MeV)

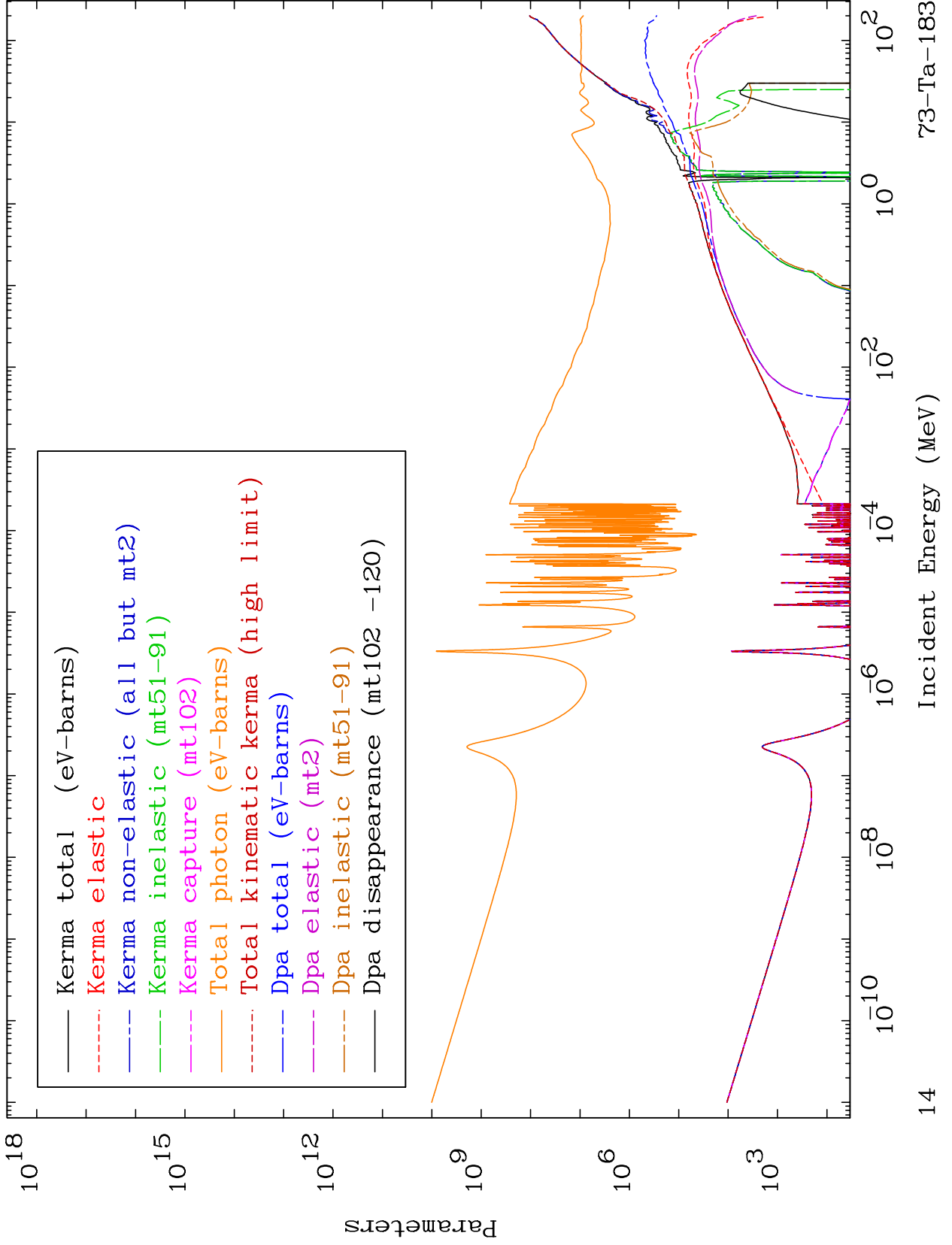
73-Ta-183

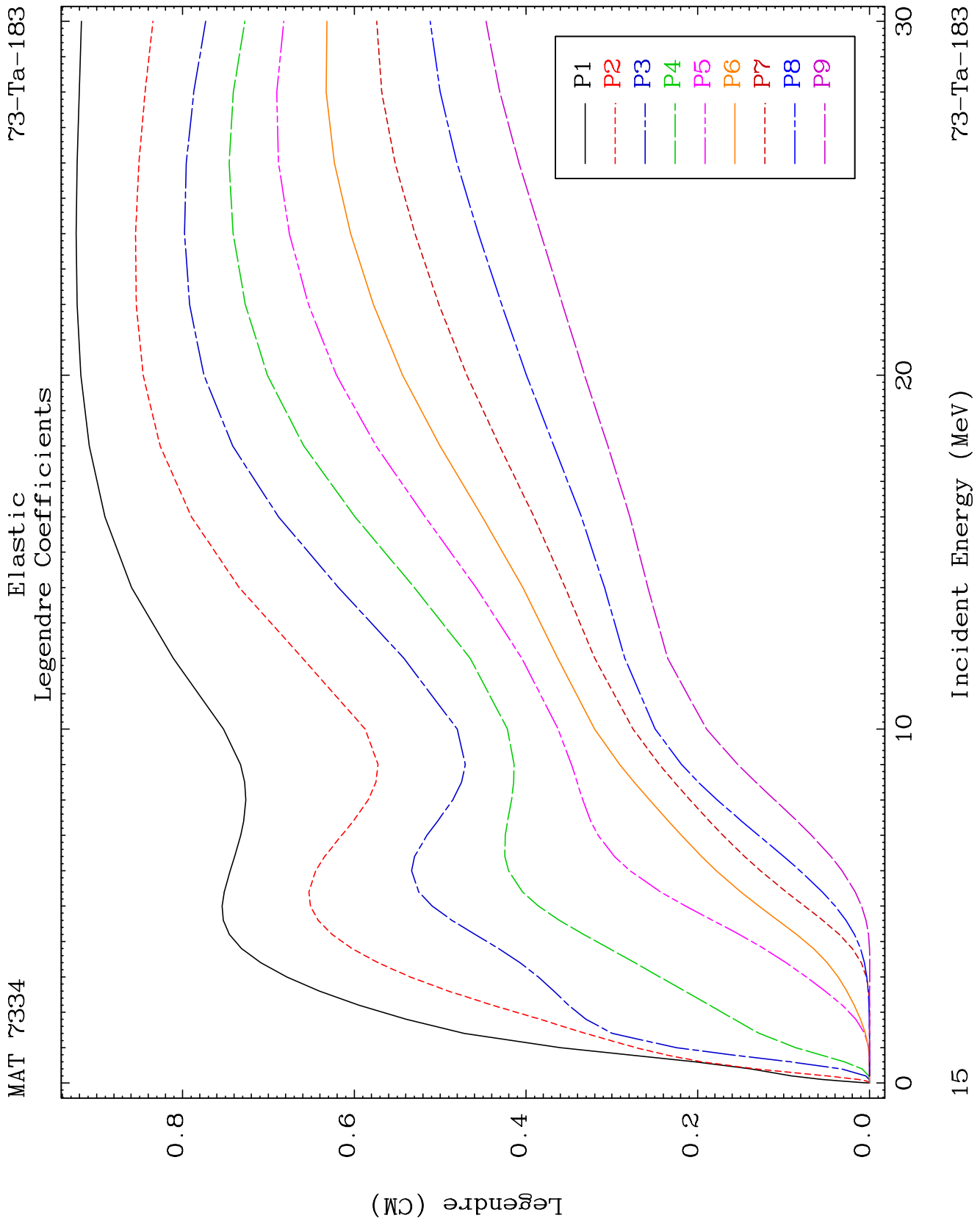
MAT 7334

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

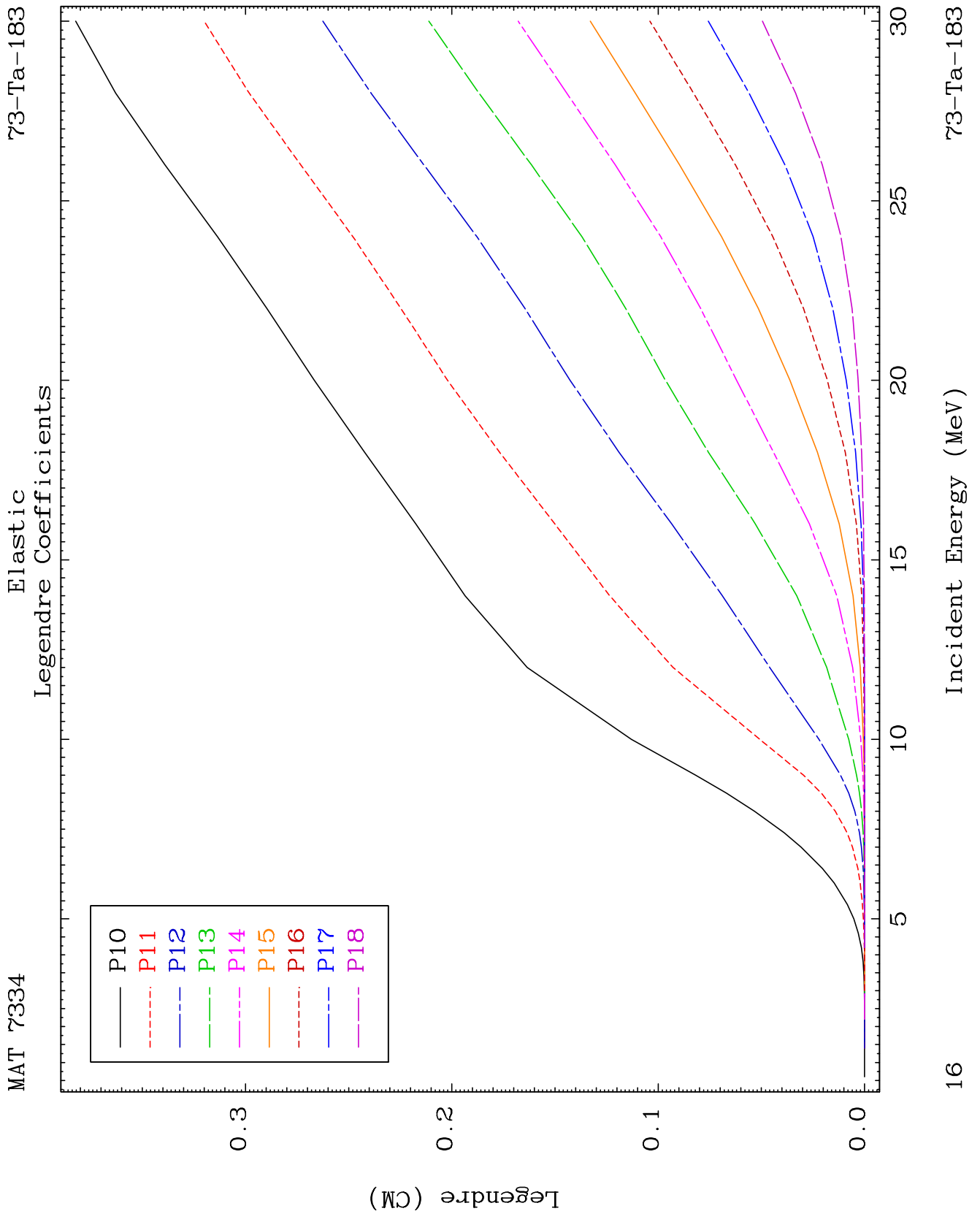
73-Ta-183







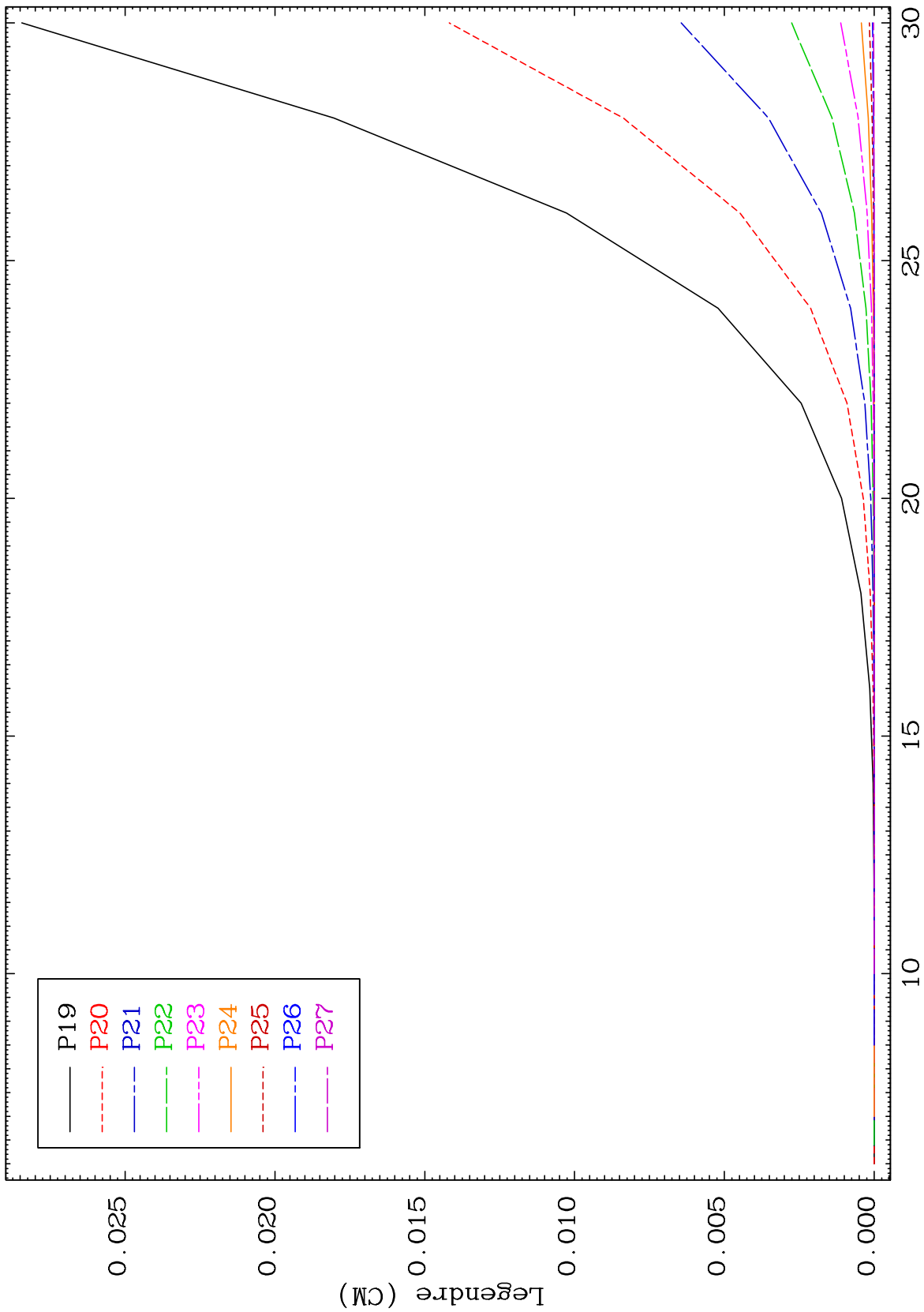




MAT 7334

Elastic Legendre Coefficients

<sup>73</sup>Ta-183



17

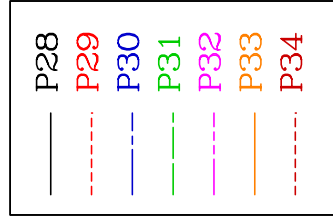
<sup>73</sup>Ta-183

Incident Energy (MeV)

MAT 7334

Elastic  
Legendre Coefficients

<sup>73</sup>Ta-183



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

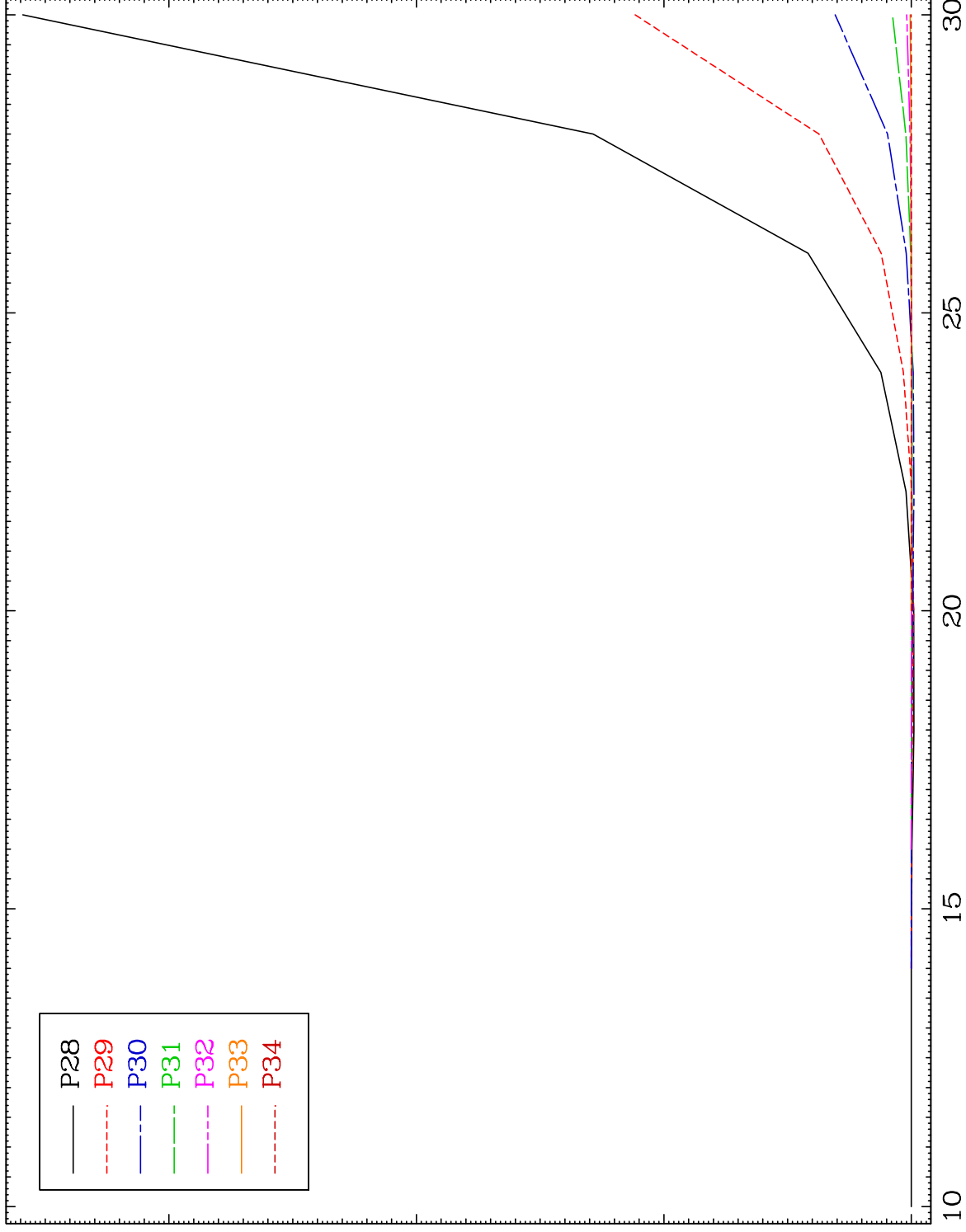
25

30

18

Incident Energy (MeV)

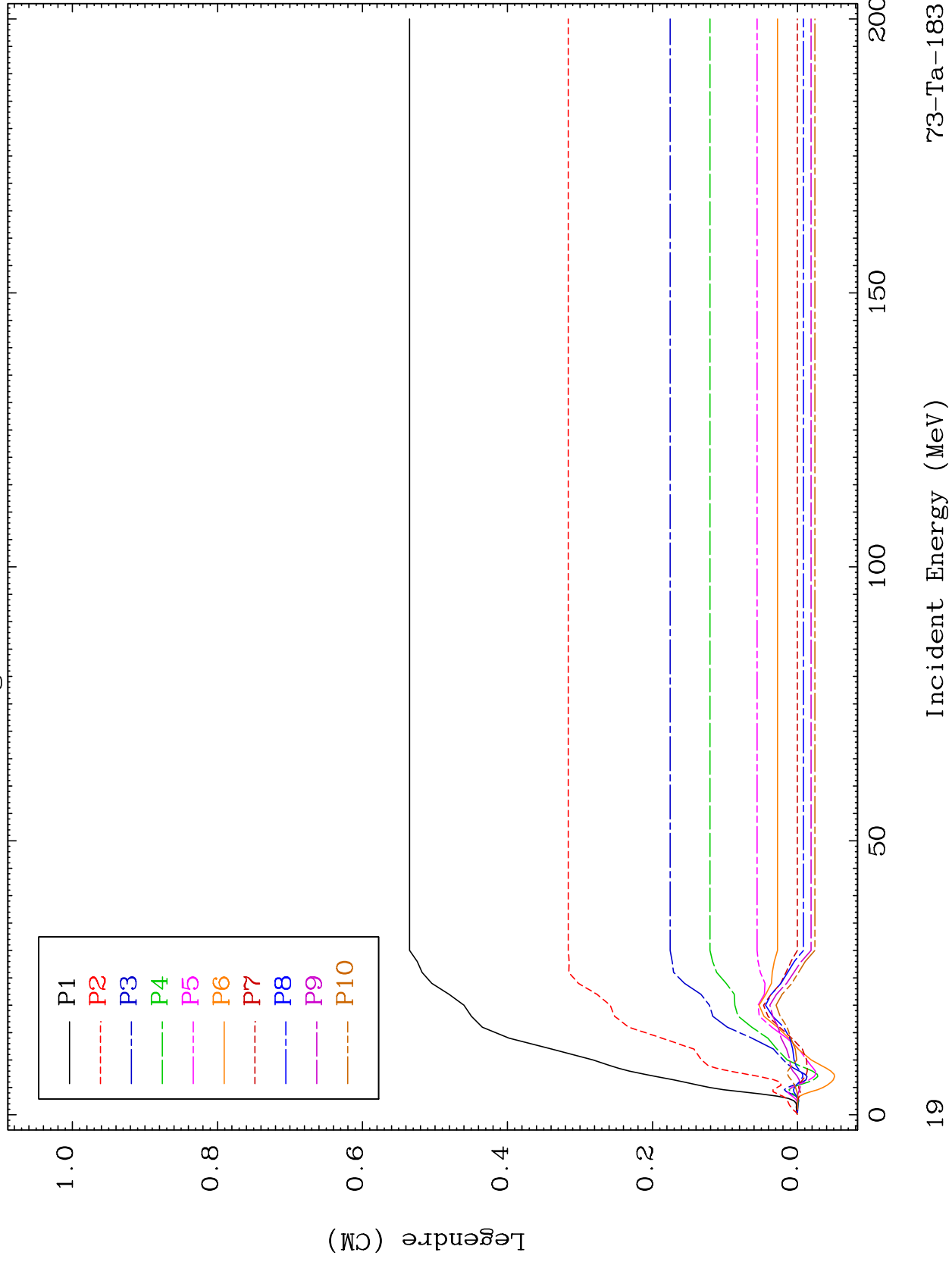
<sup>73</sup>Ta-183



MAT 7334

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

<sup>73</sup>Ta-183

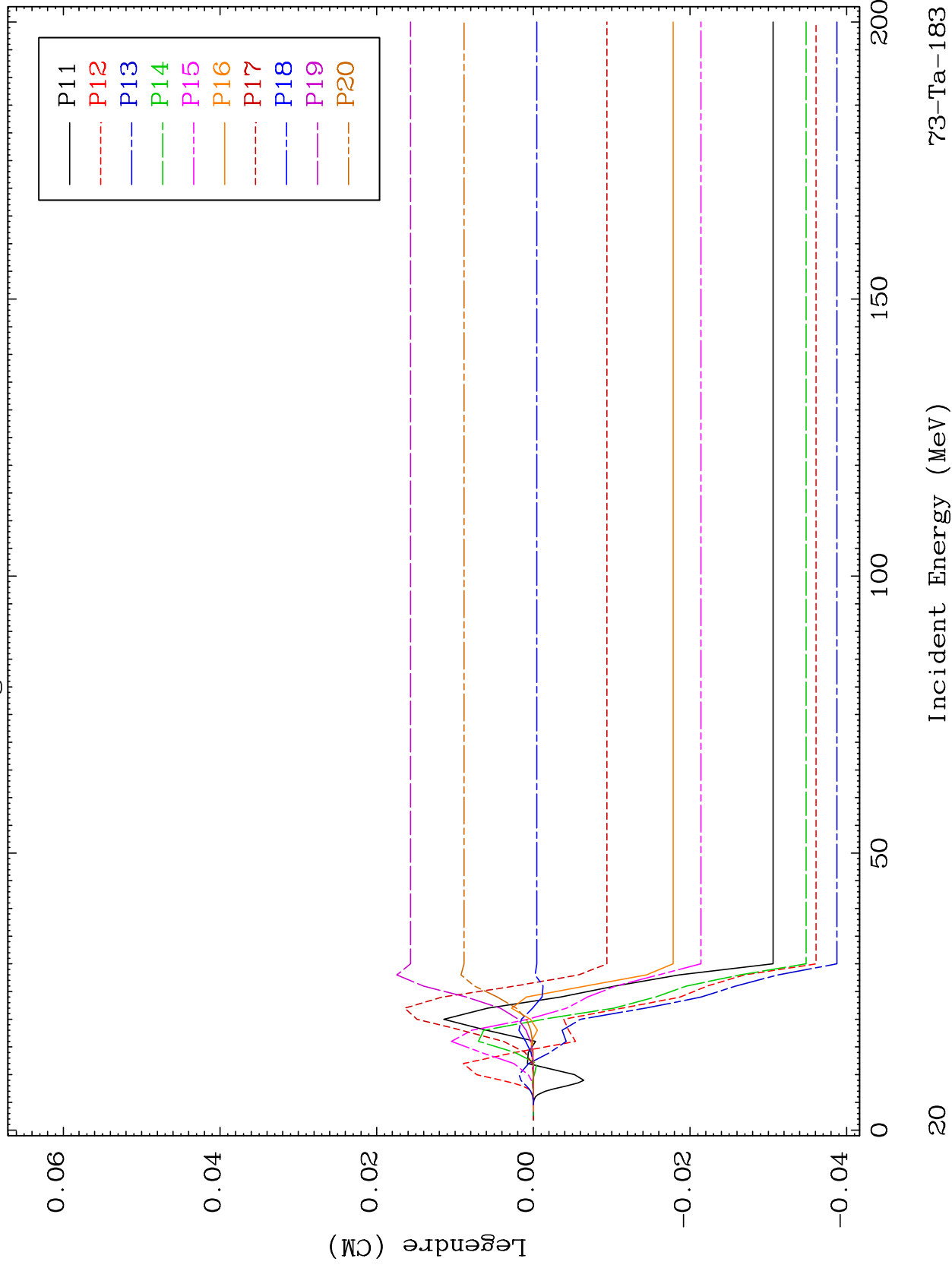


19

MAT 7334

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

73-Ta-183

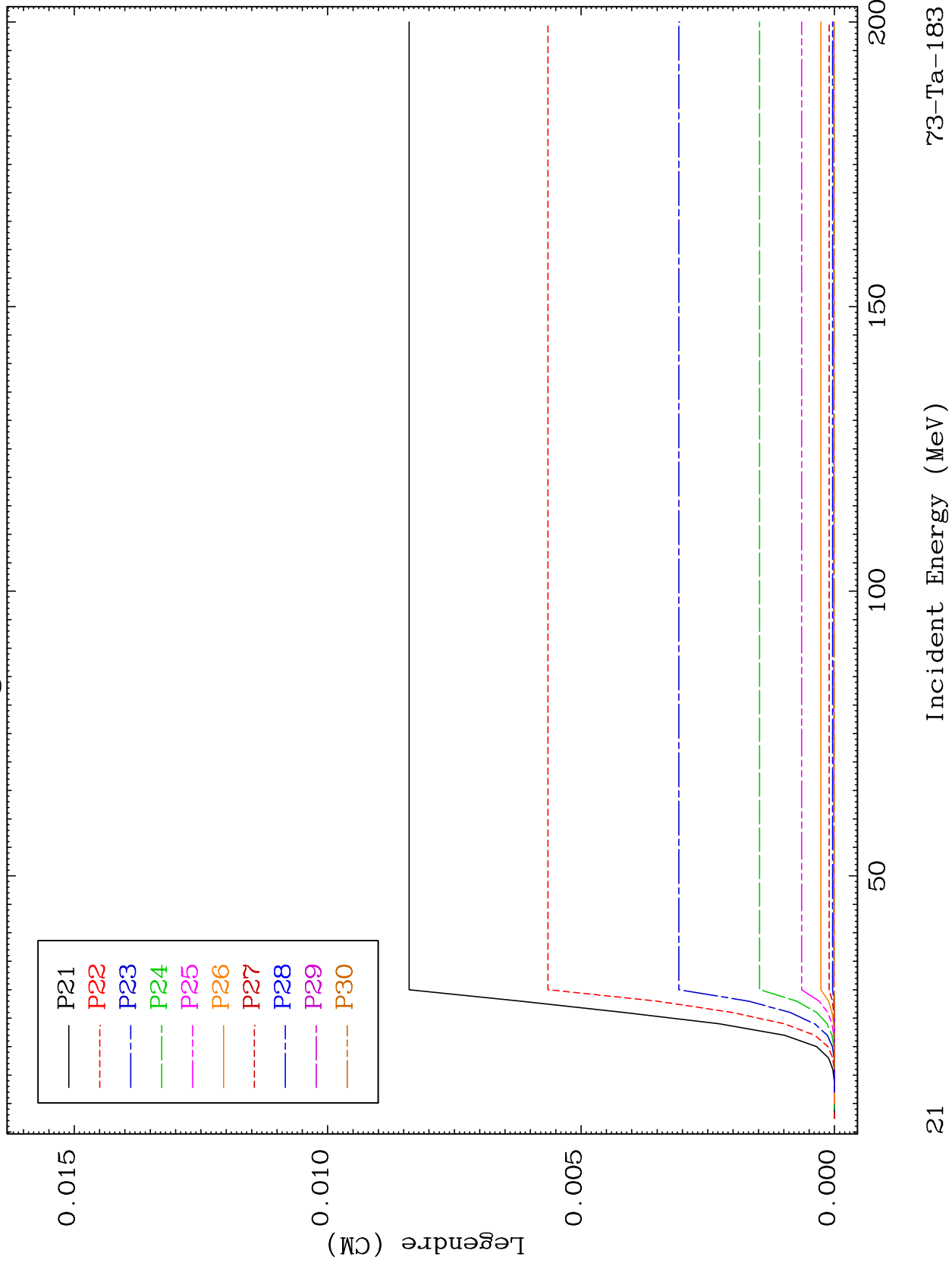


73-Ta-183

MAT 7334

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

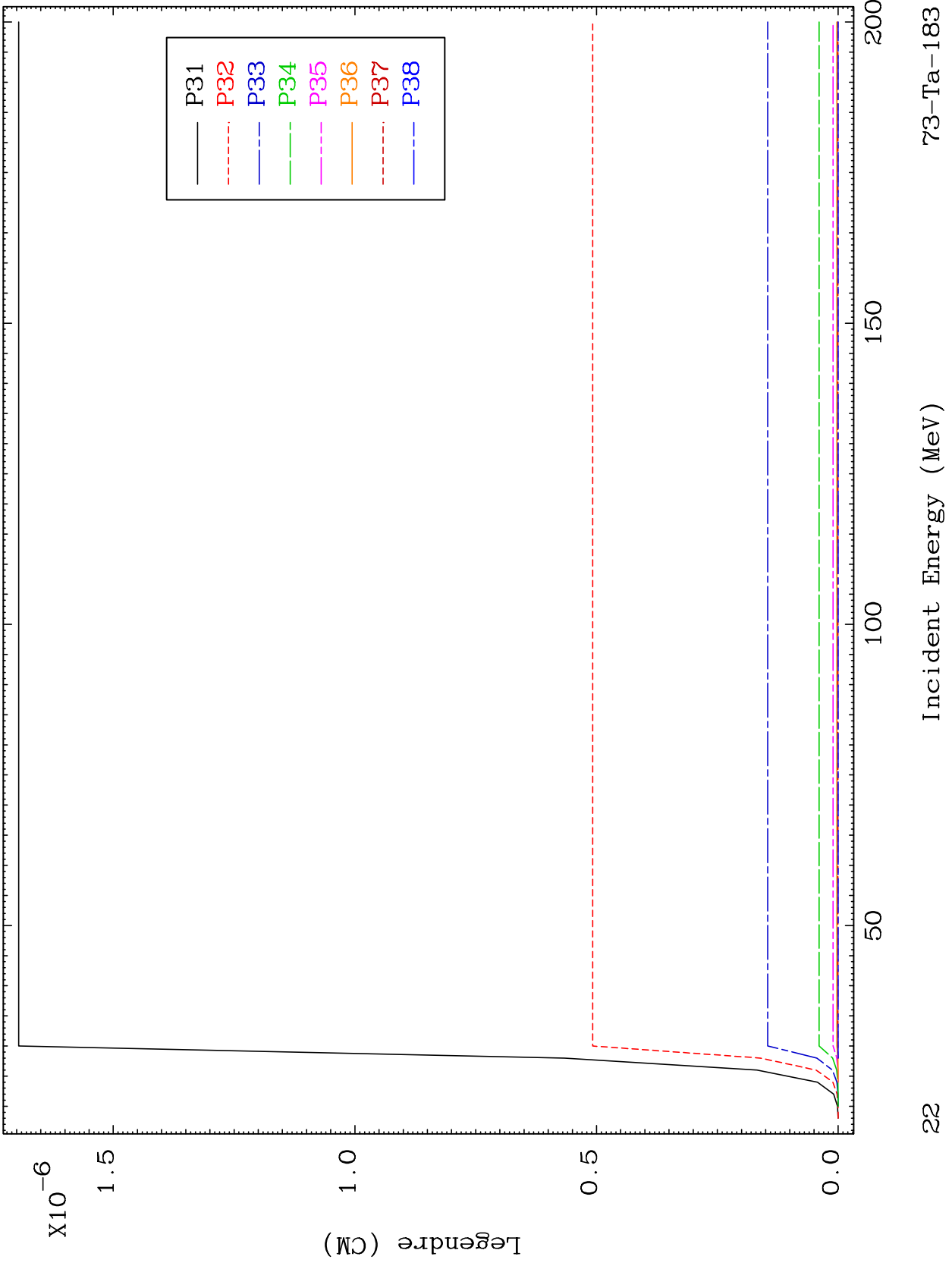
73-Ta-183



MAT 7334

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

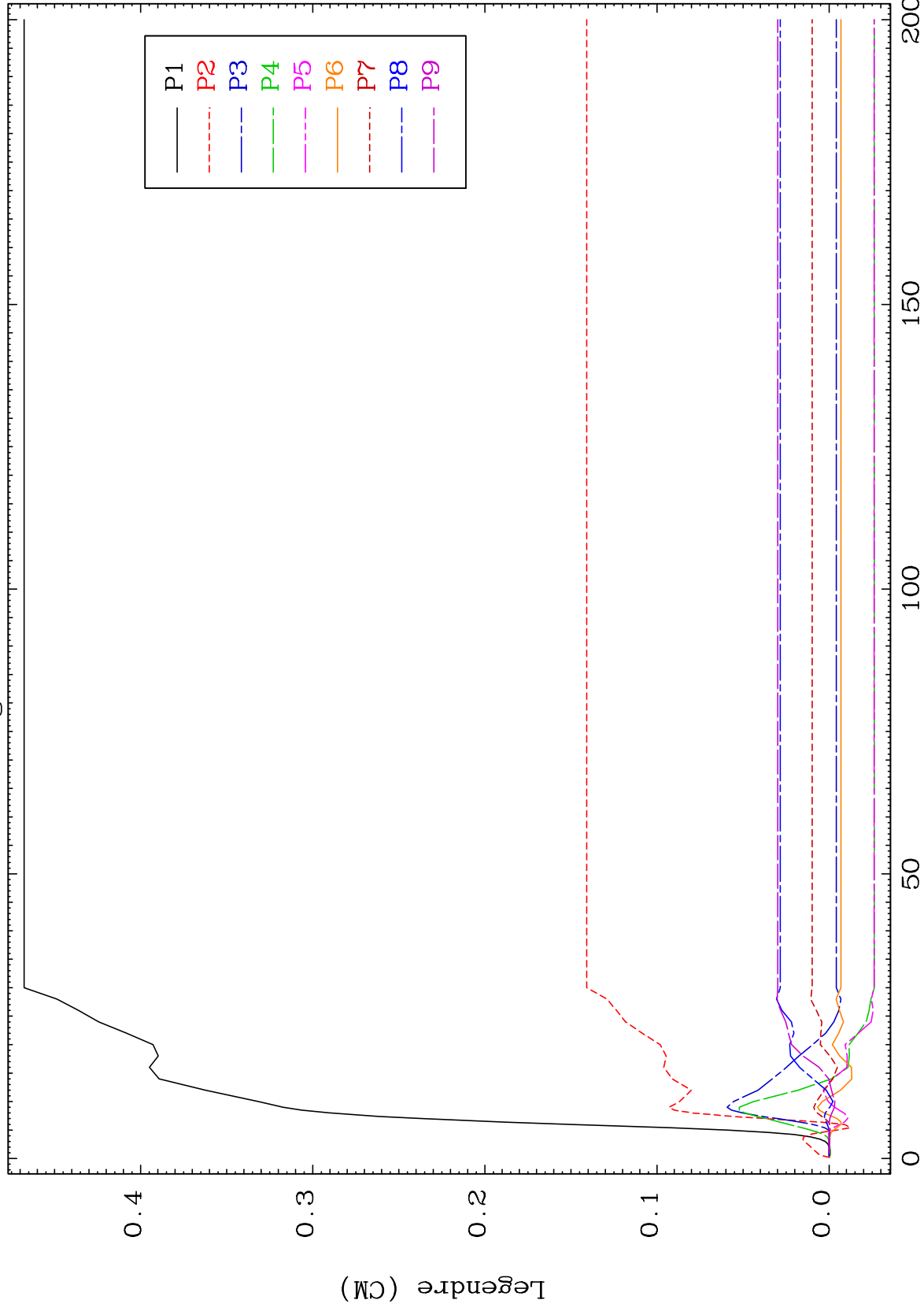
73-Ta-183



MAT 7334

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

73-Ta-183



23

Incident Energy (MeV)

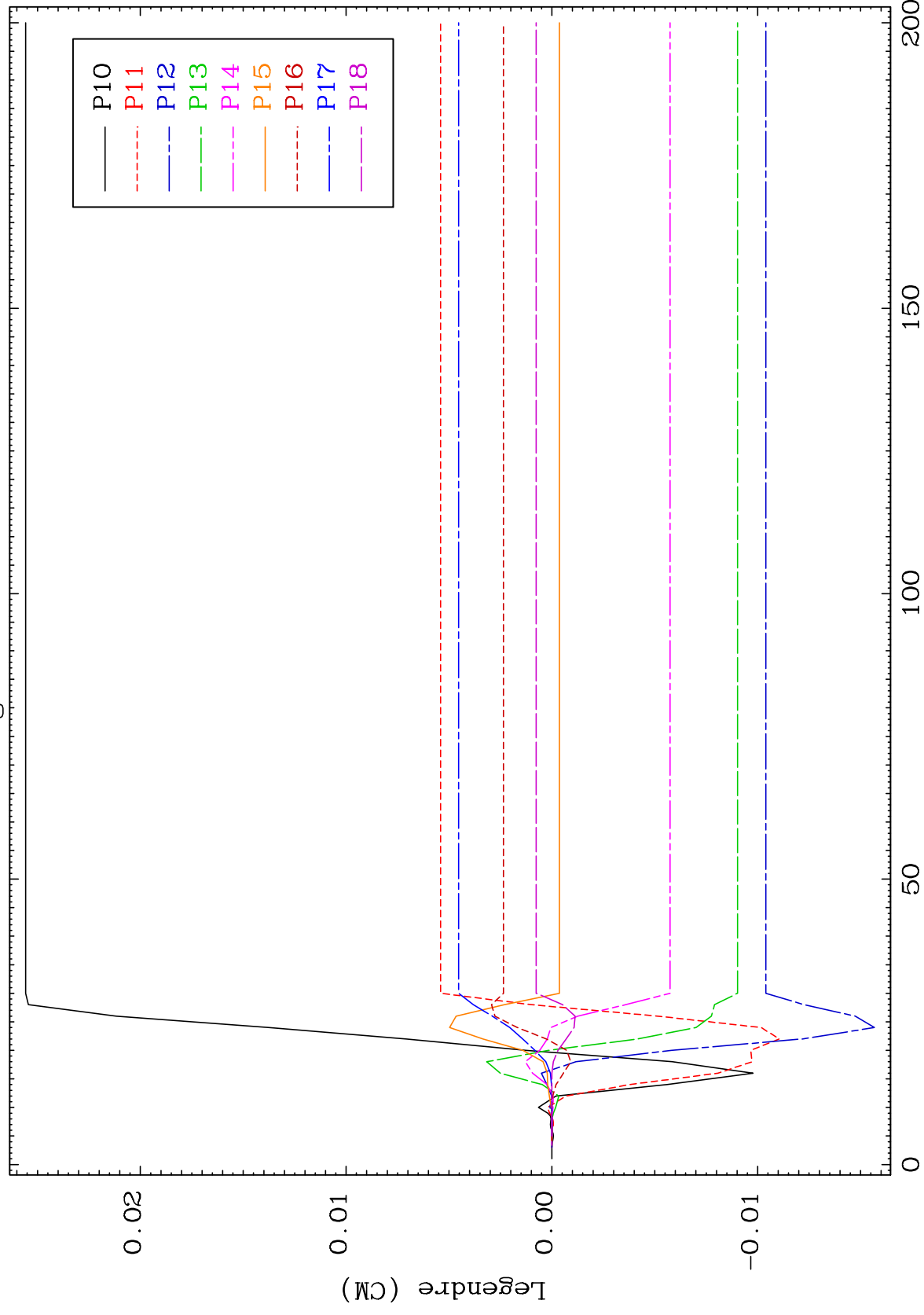
73-Ta-183



MAT 7334

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

73-Ta-183



24

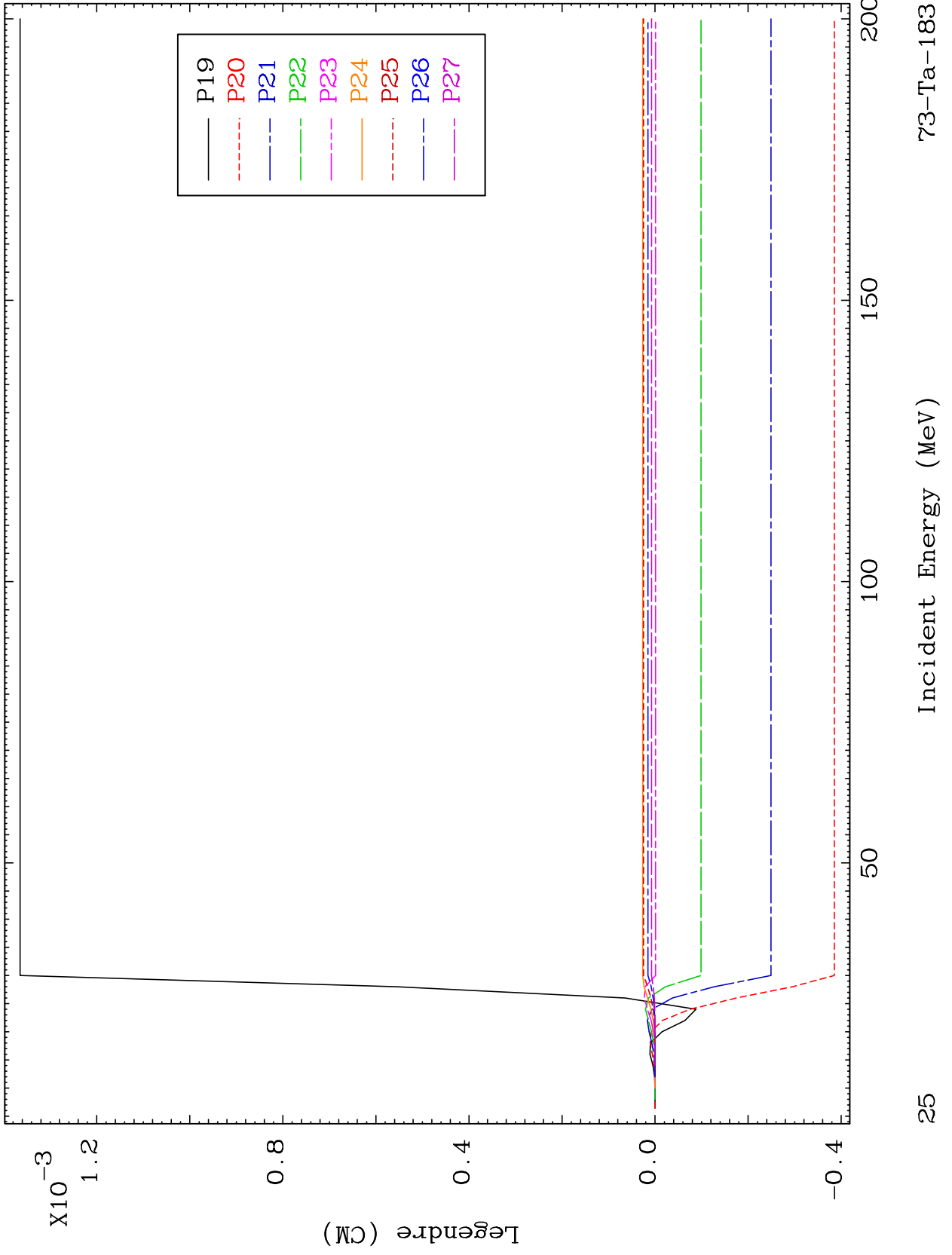
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



25

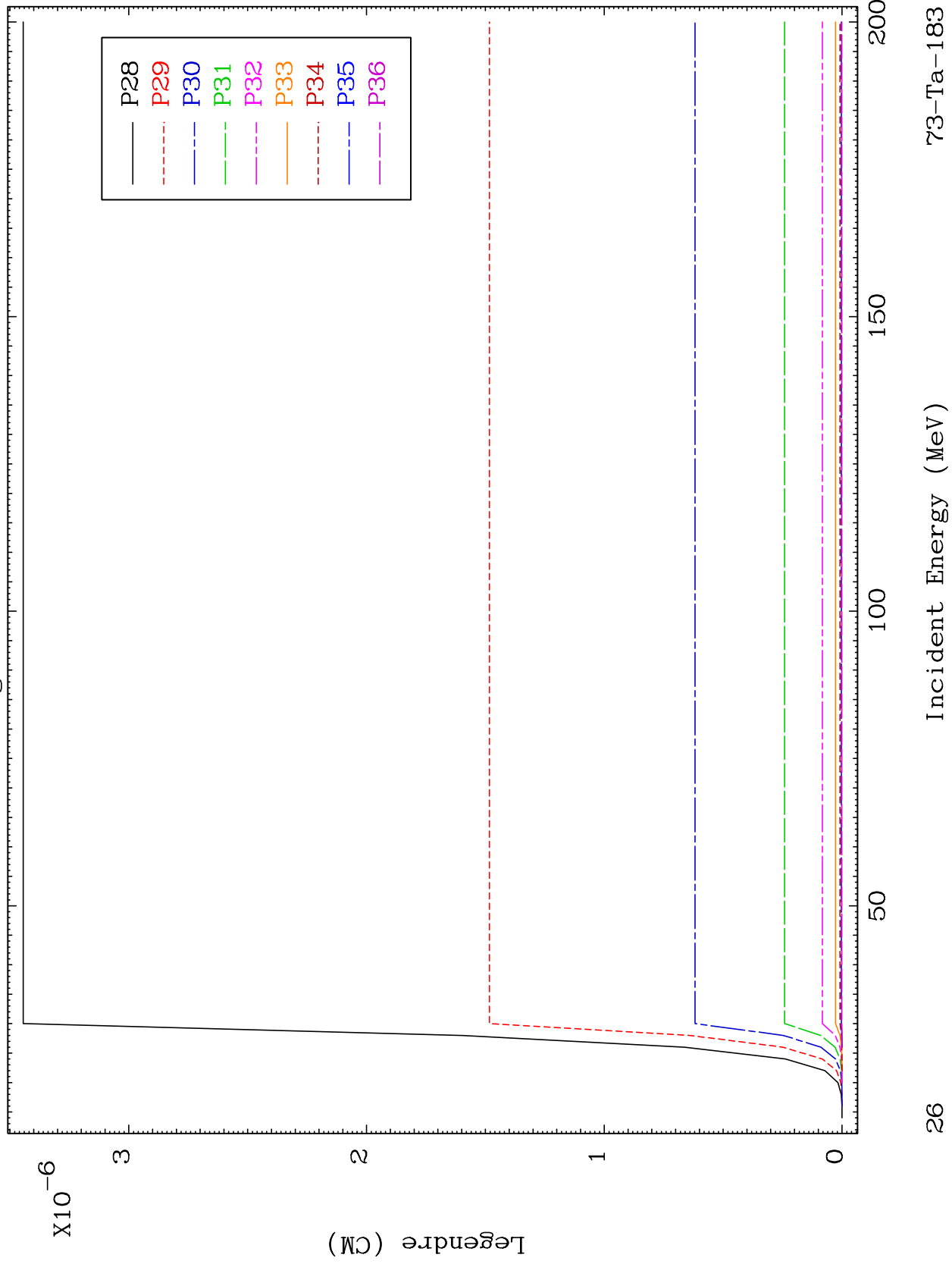
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183

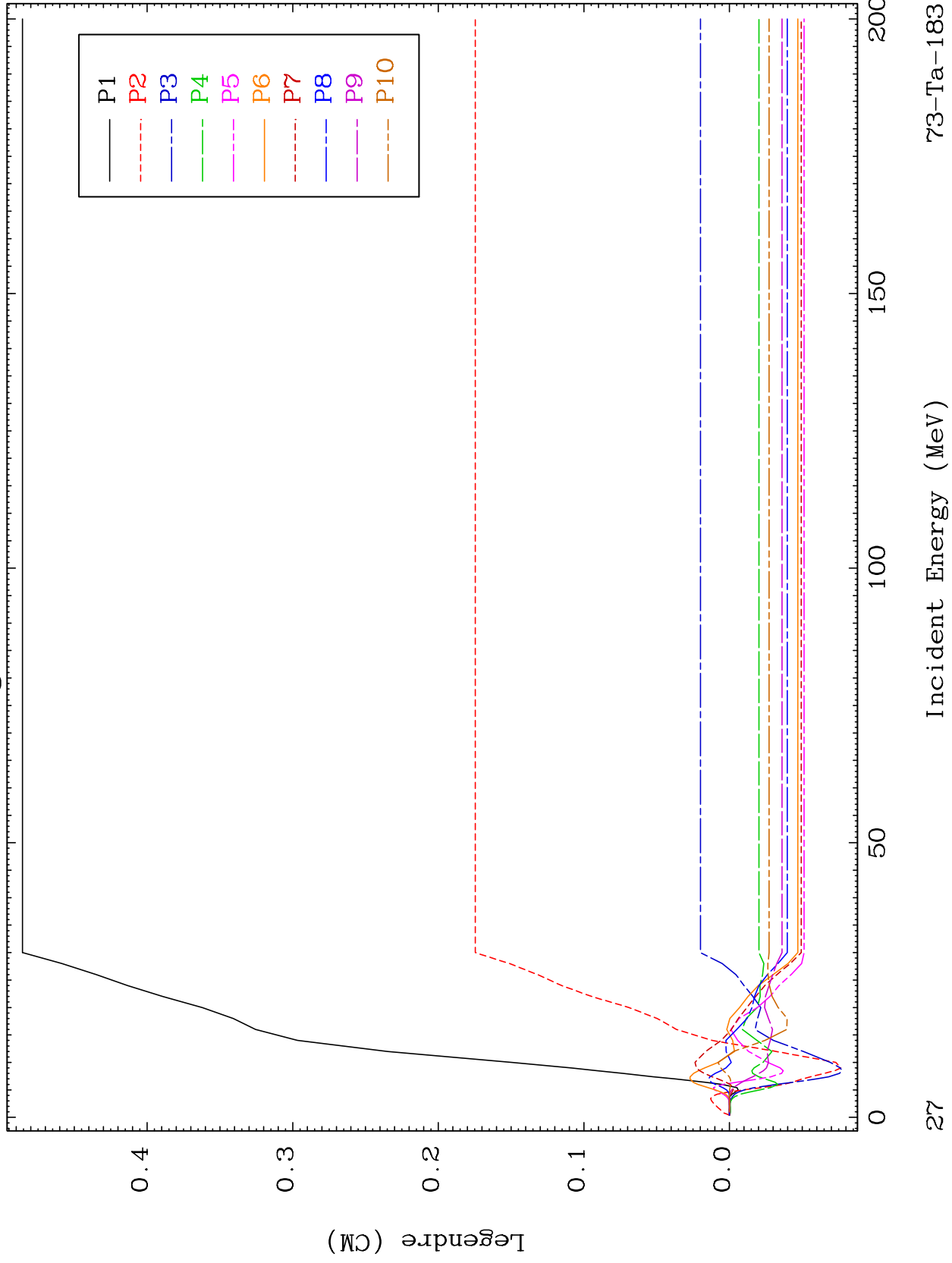


26

MAT 7334

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

<sup>73</sup>Ta-183



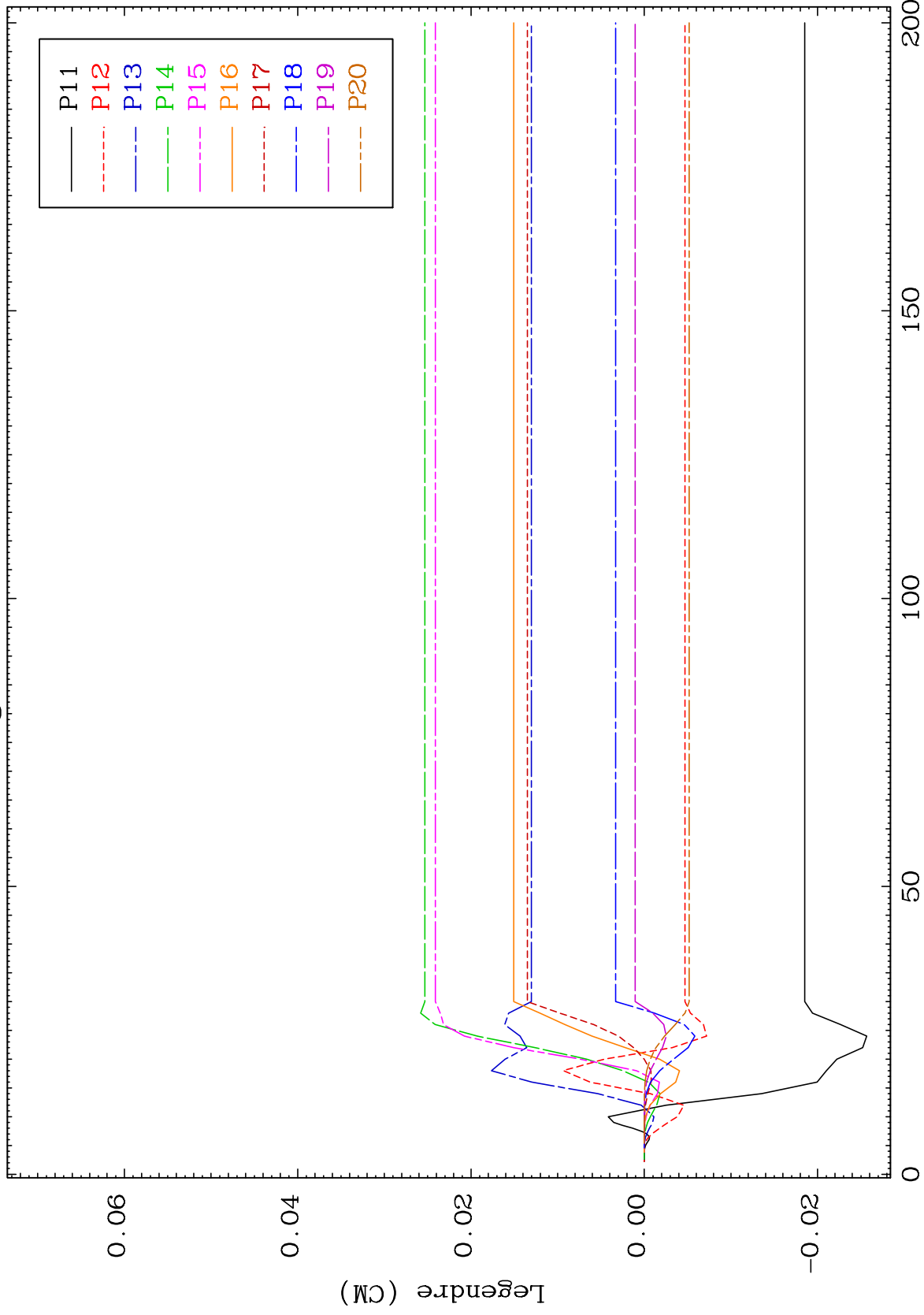
27

<sup>73</sup>Ta-183

MAT 7334

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

73-Ta-183



28

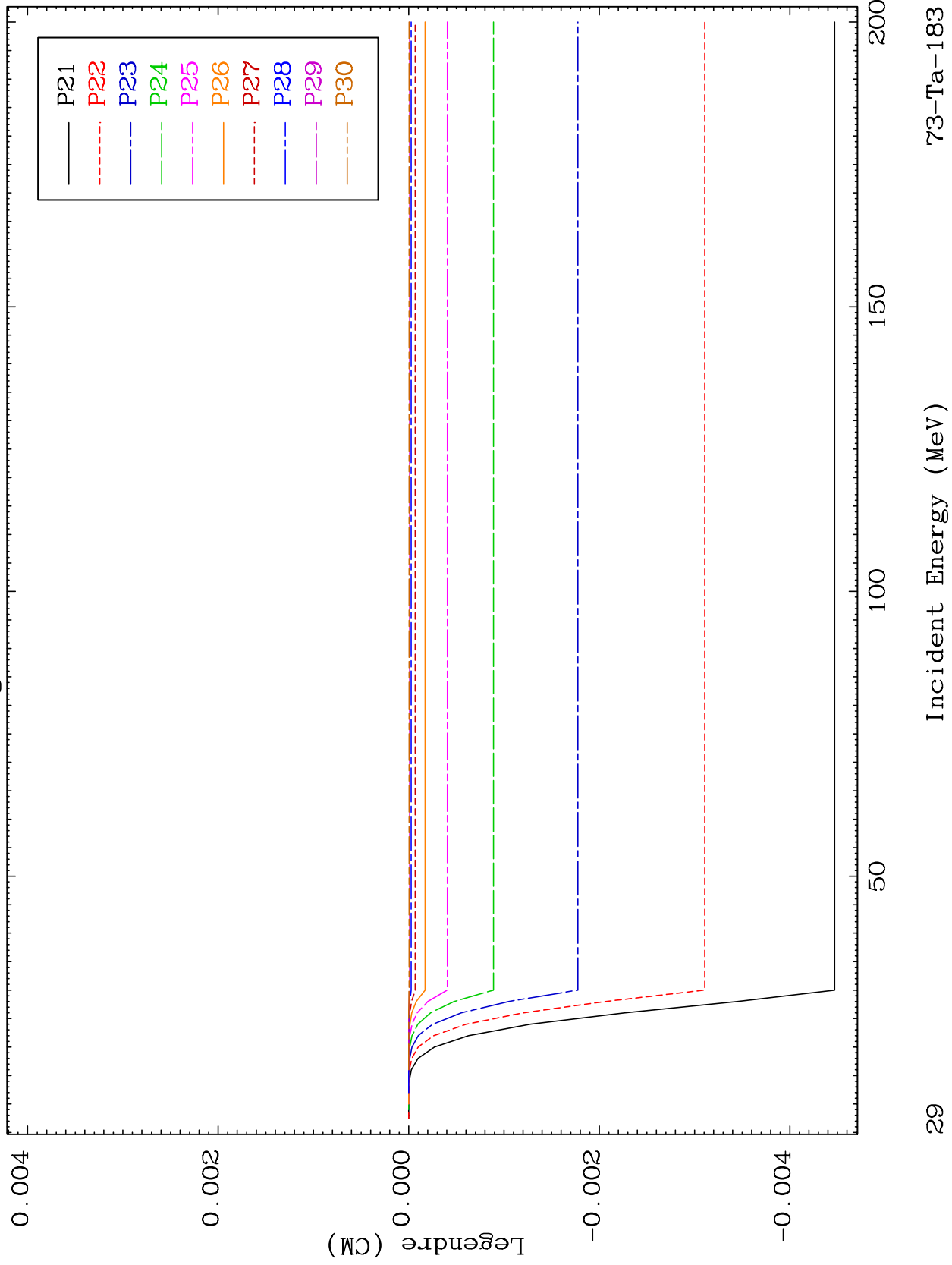
Incident Energy (MeV)

73-Ta-183

MAT 7334

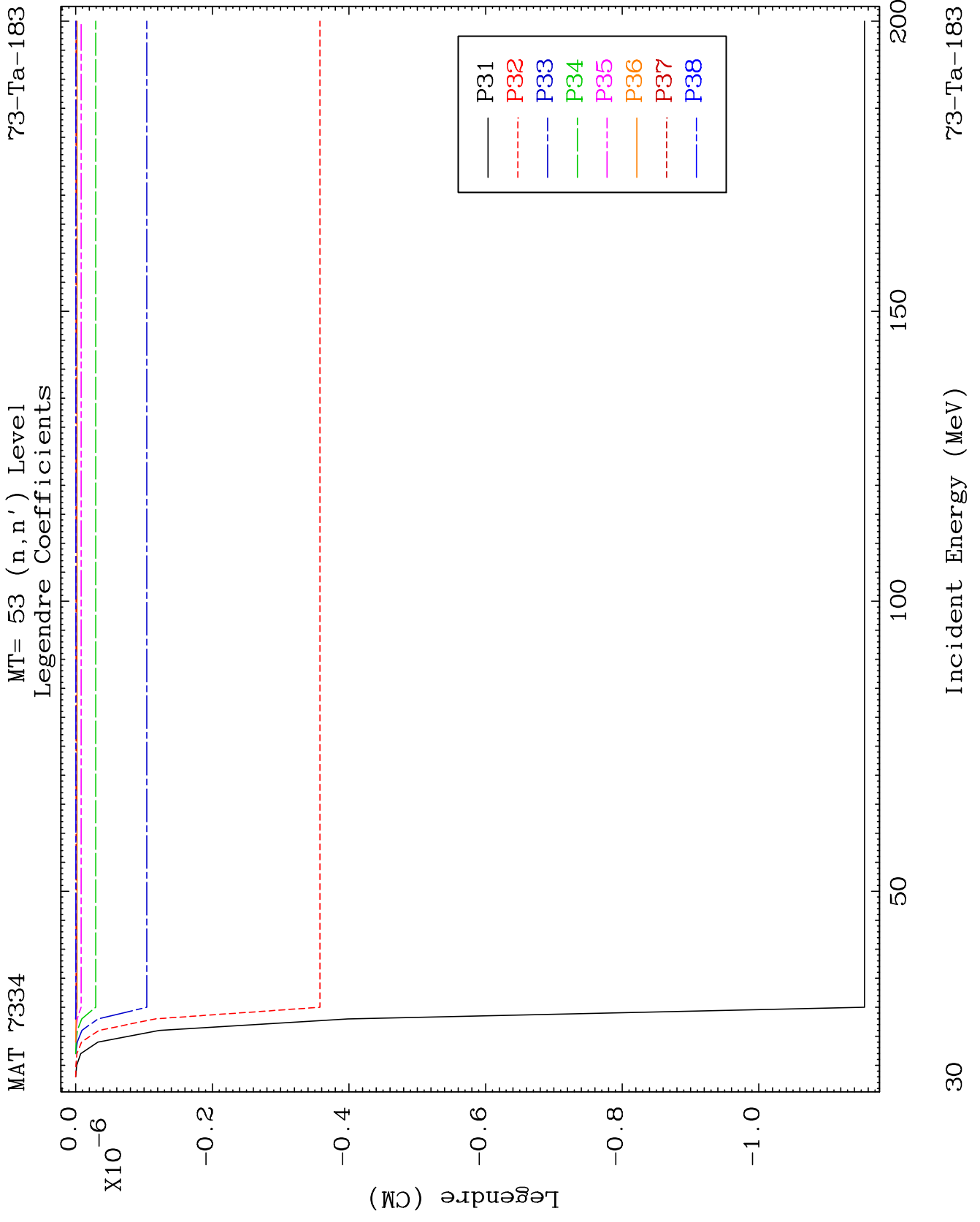
MT= 53 (n,n') Level  
Legendre Coefficients

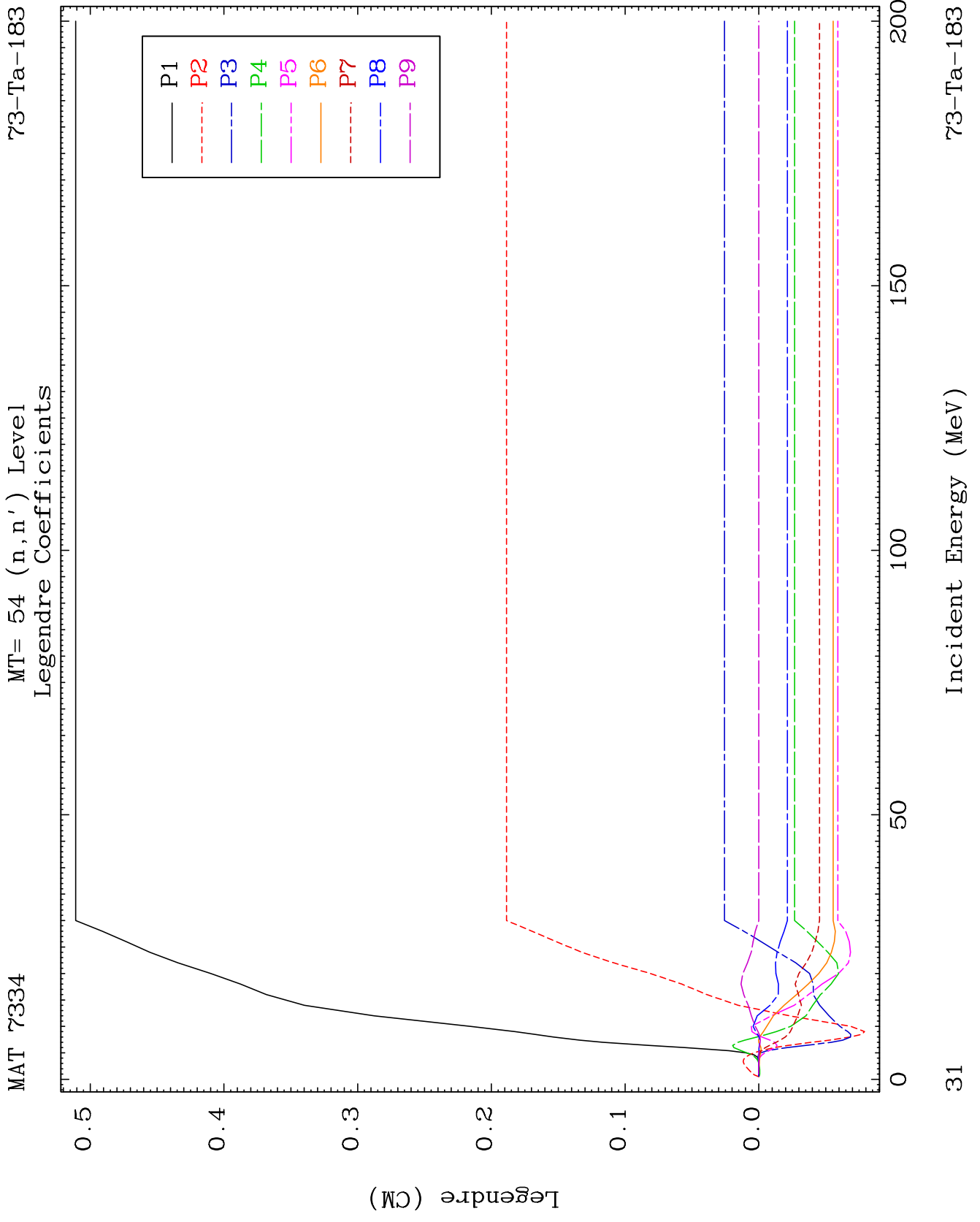
73-Ta-183



29

73-Ta-183





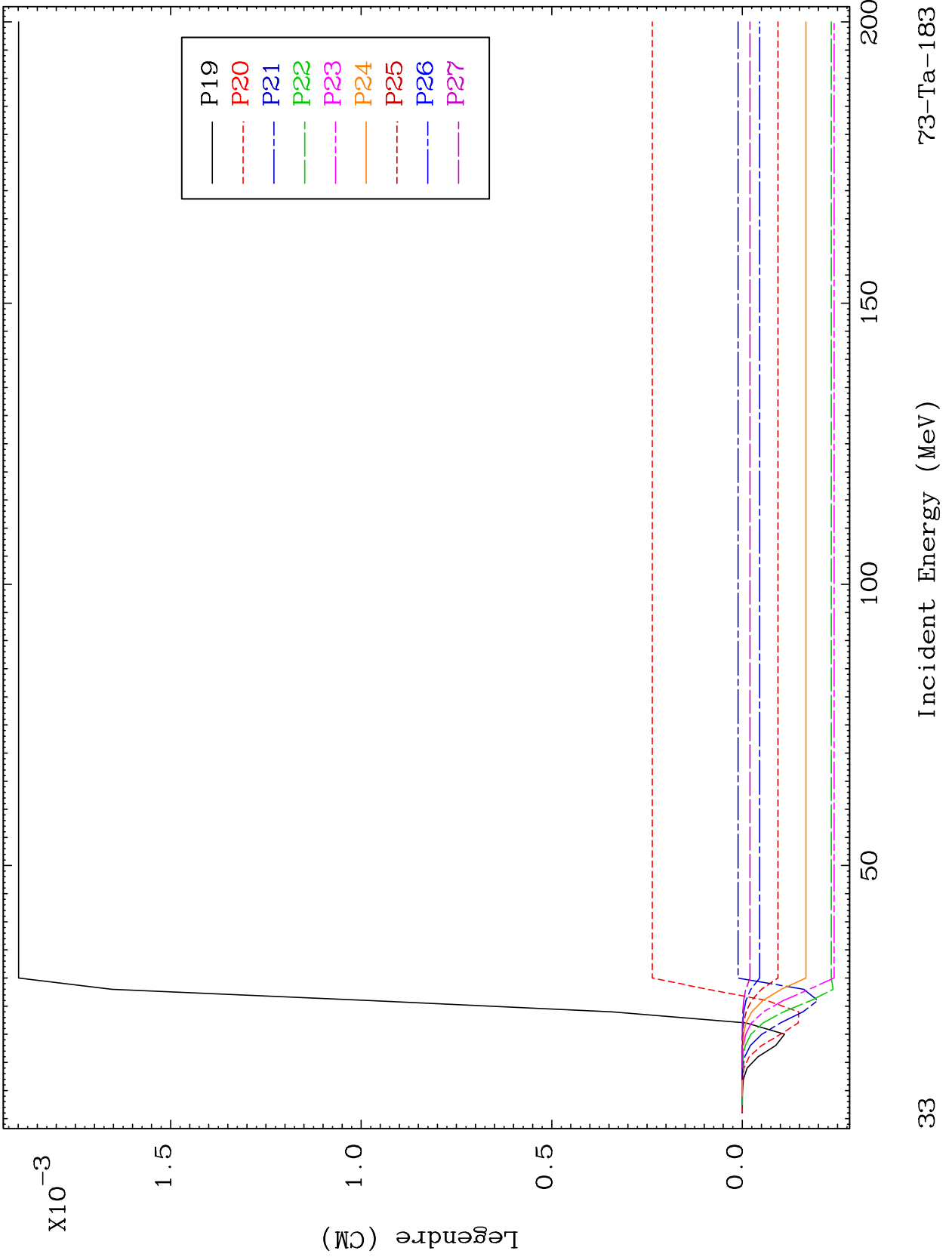


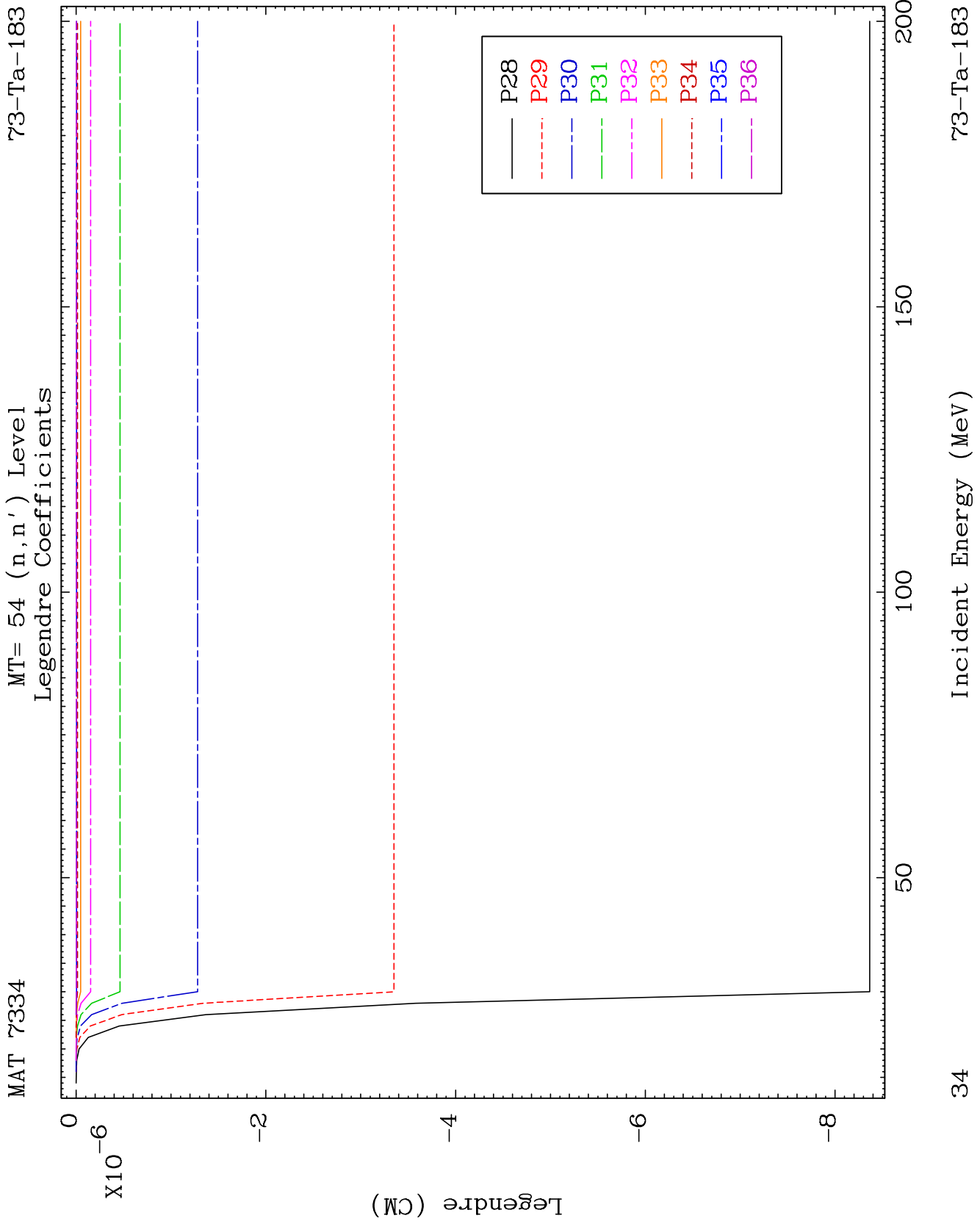


MAT 7334

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

73-Ta-183

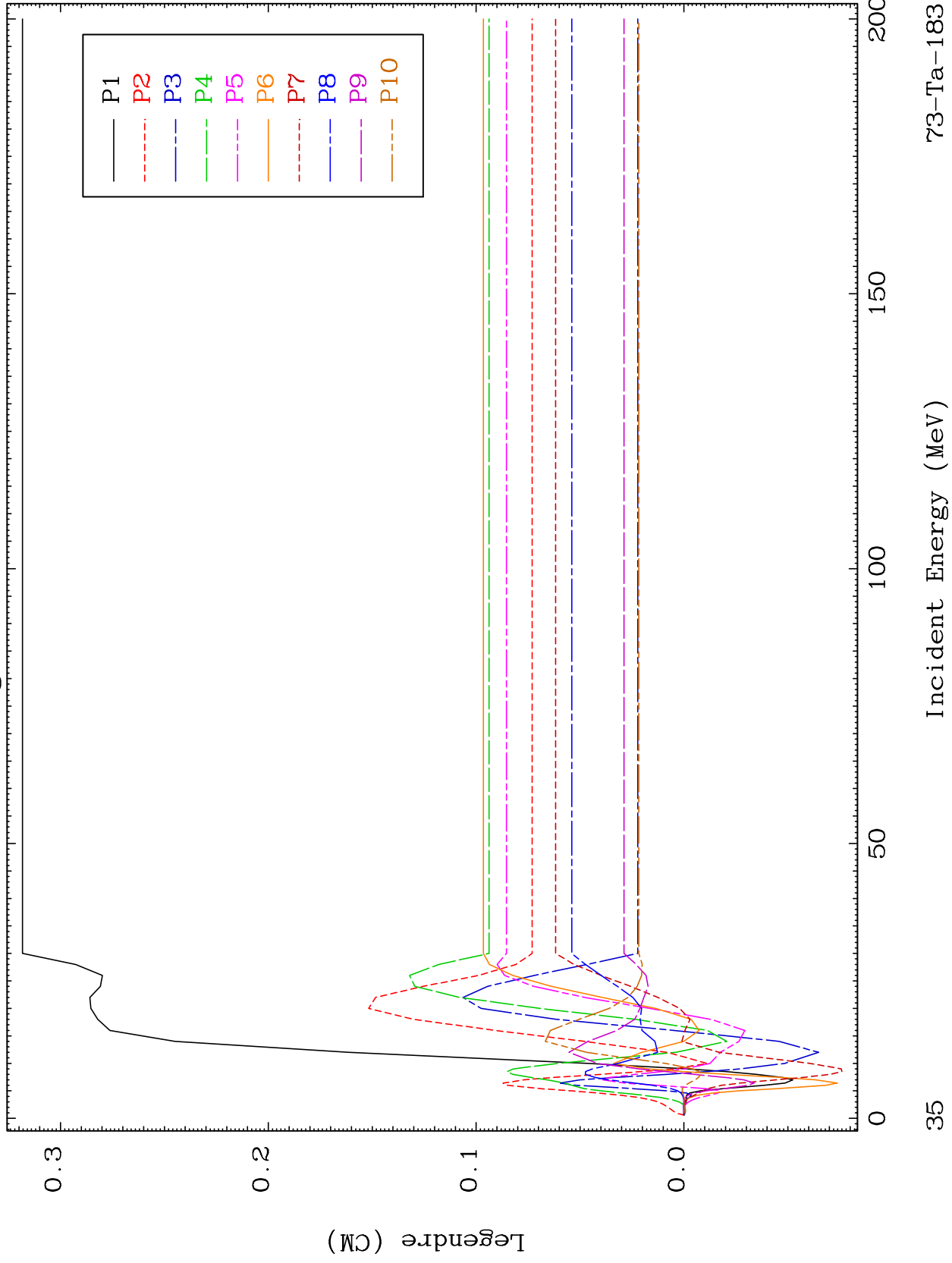




MAT 7334

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

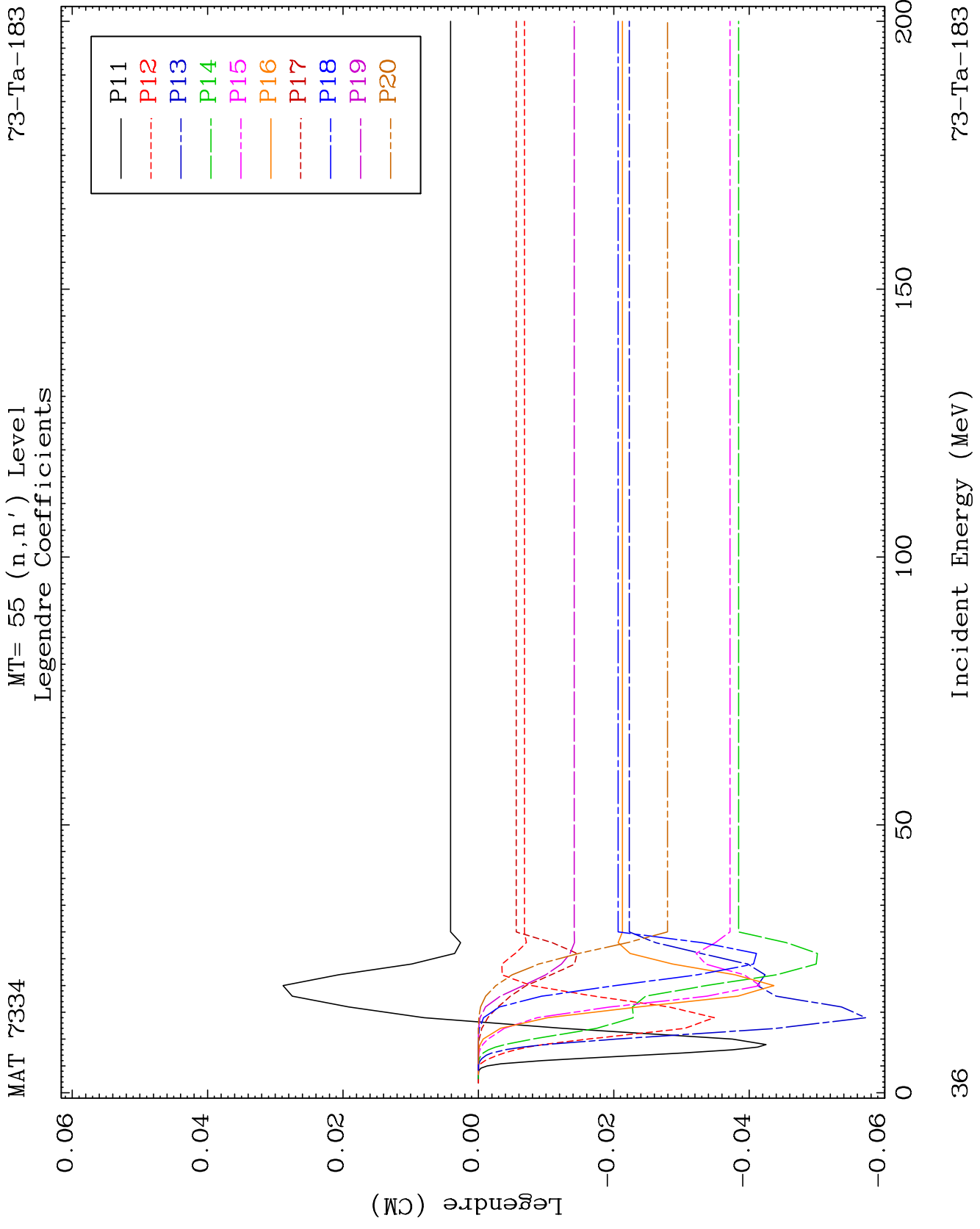
73-Ta-183

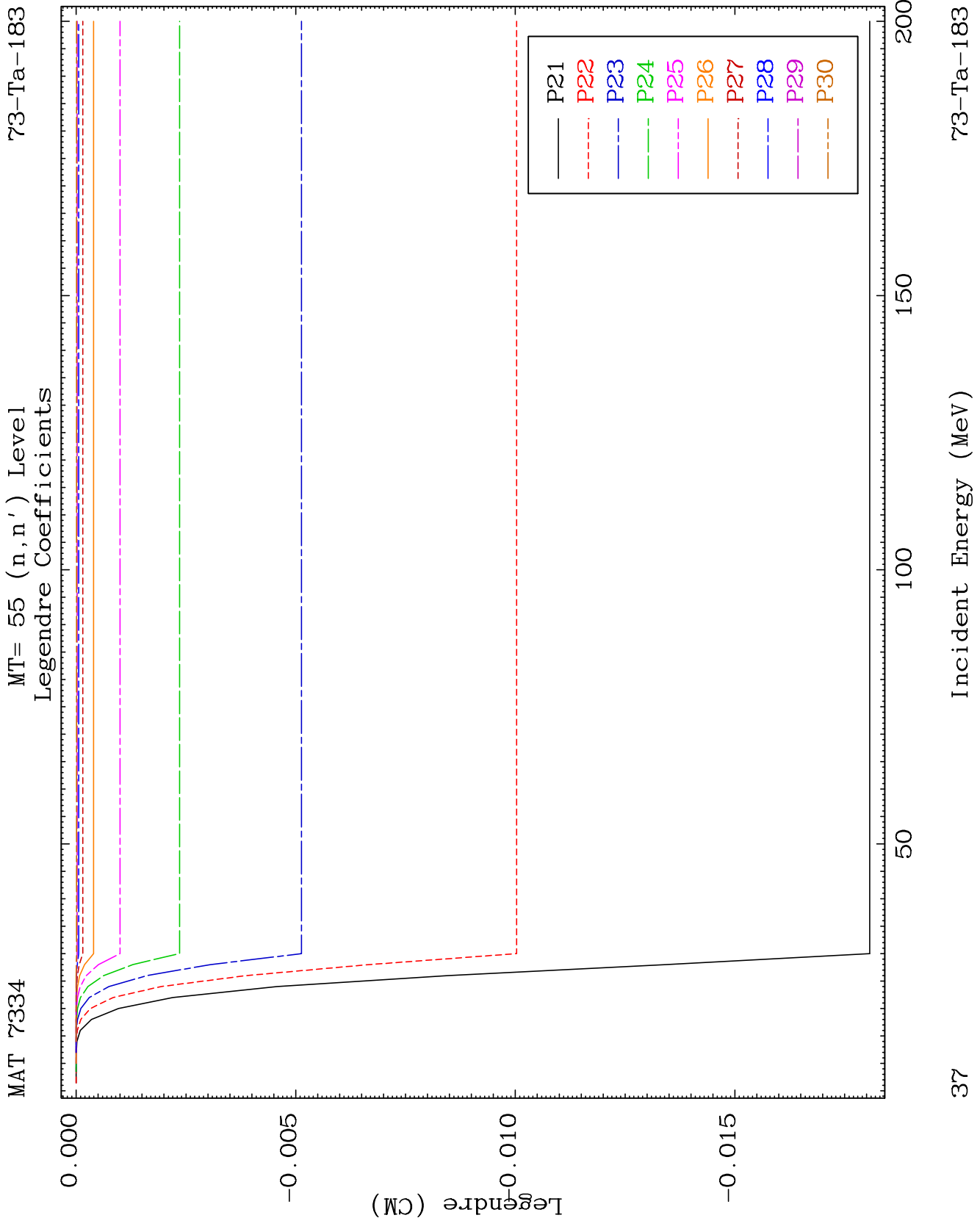


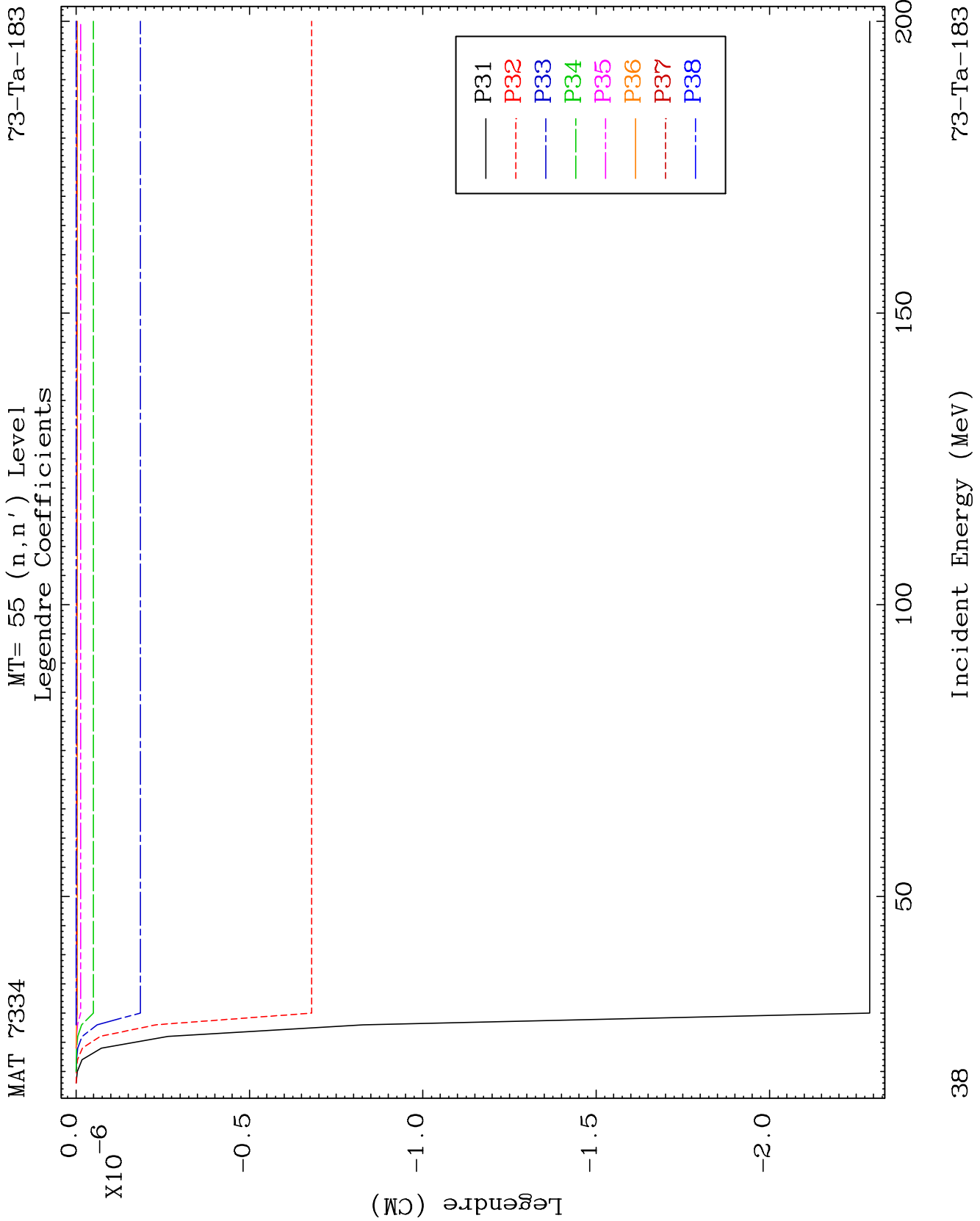
73-Ta-183

Incident Energy (MeV)

35



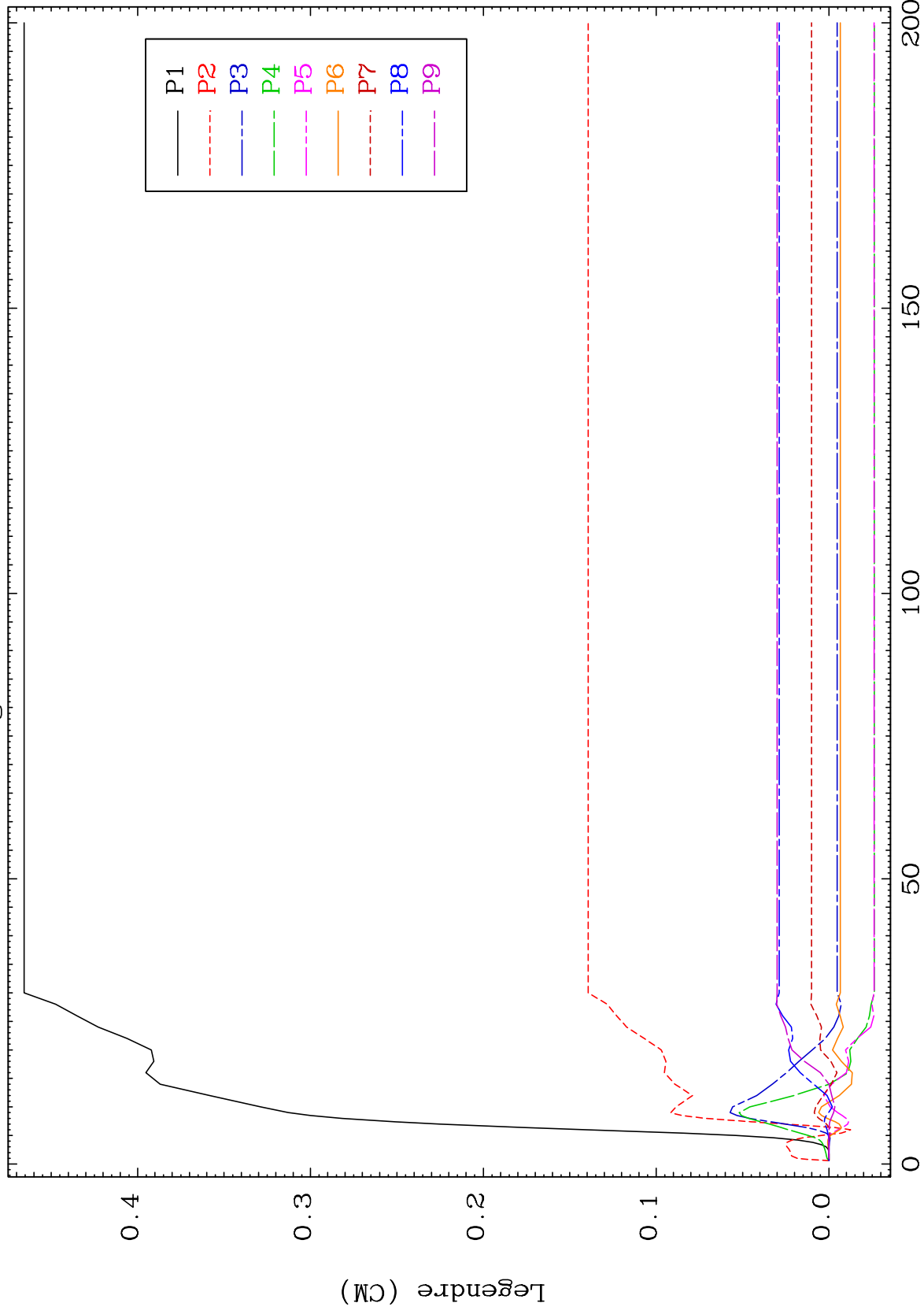




MAT 7334

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

73-Ta-183



39

Incident Energy (MeV)

73-Ta-183

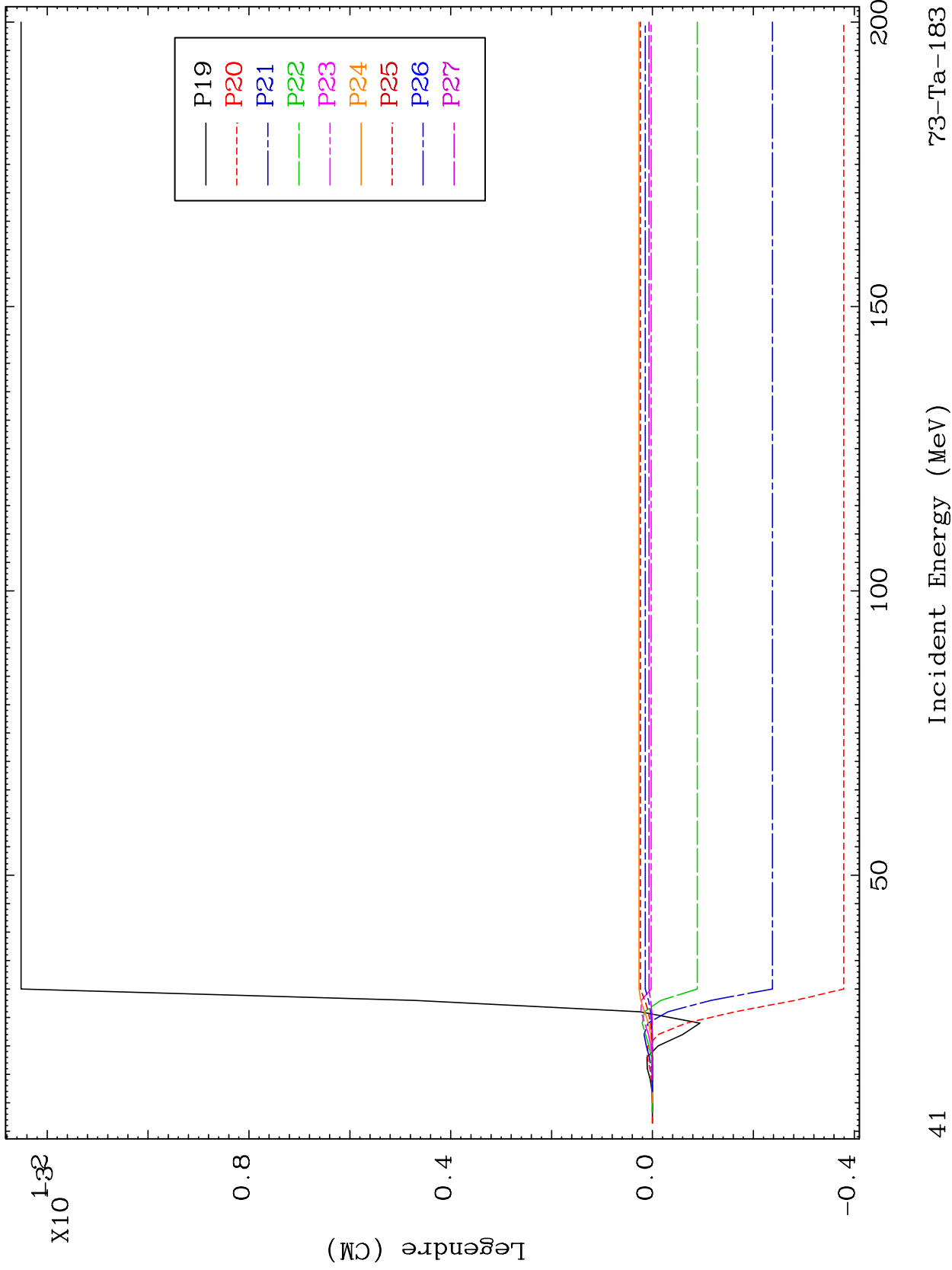




MAT 7334

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

73-Ta-183



41

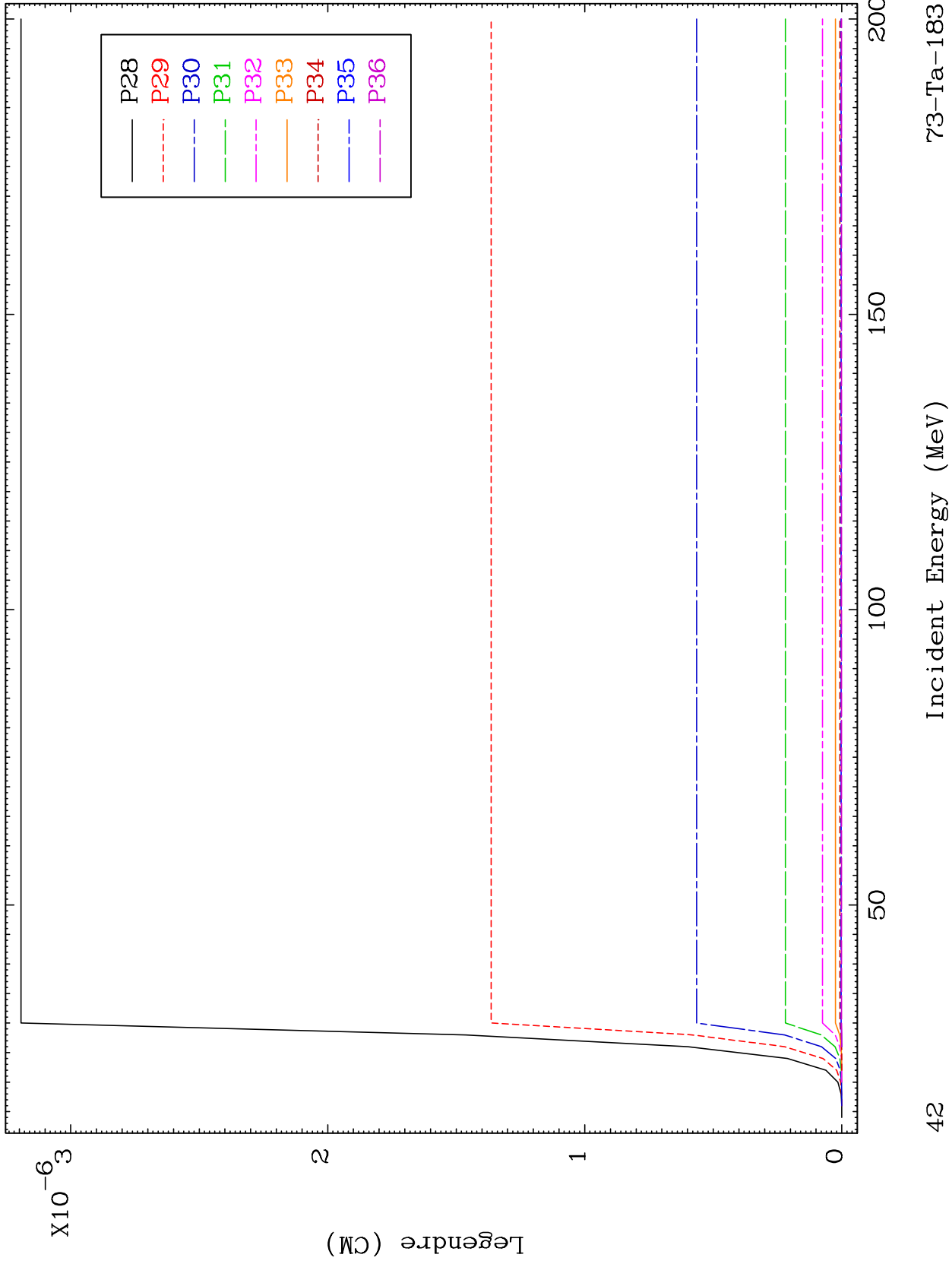
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



42

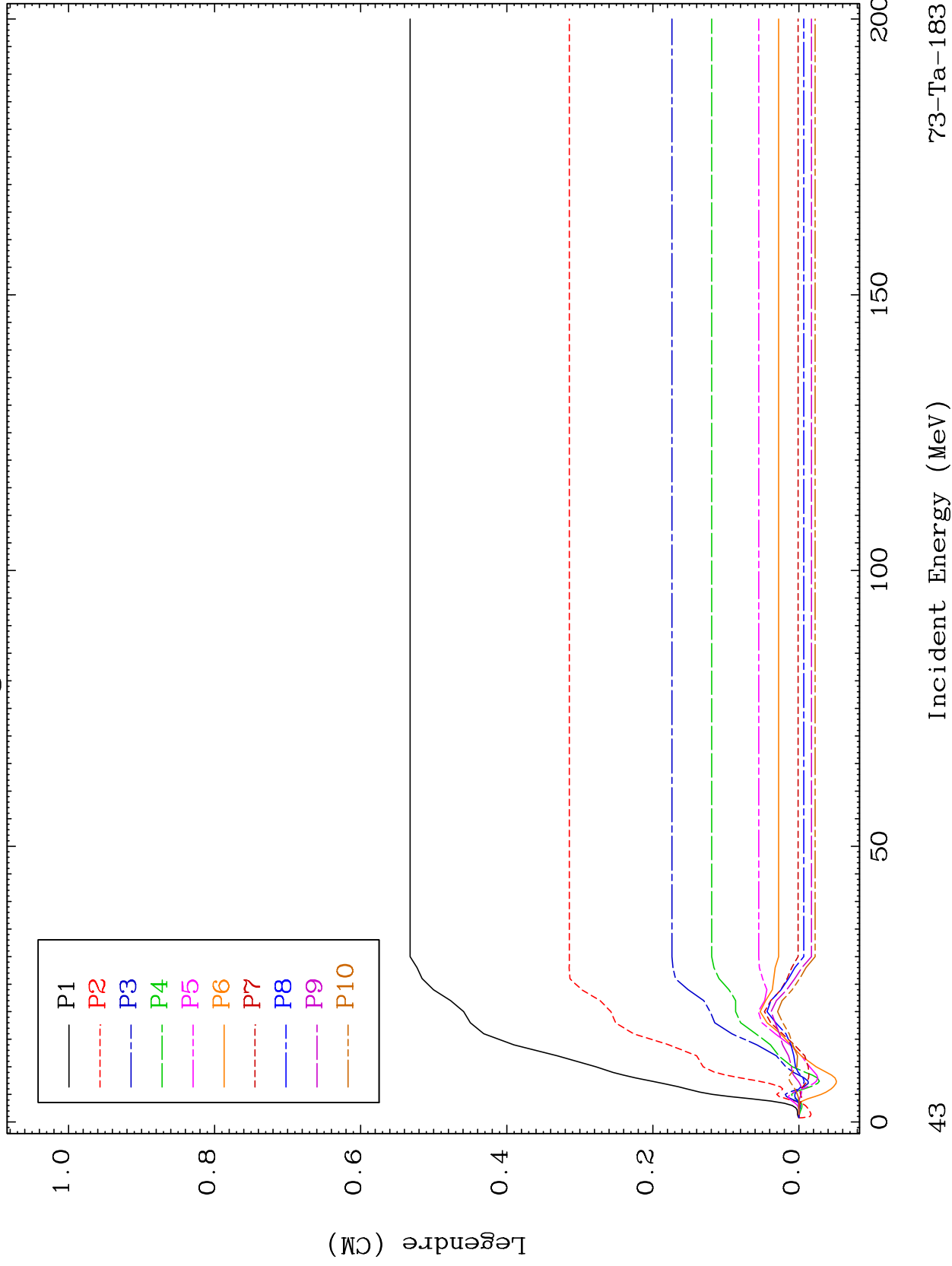
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183

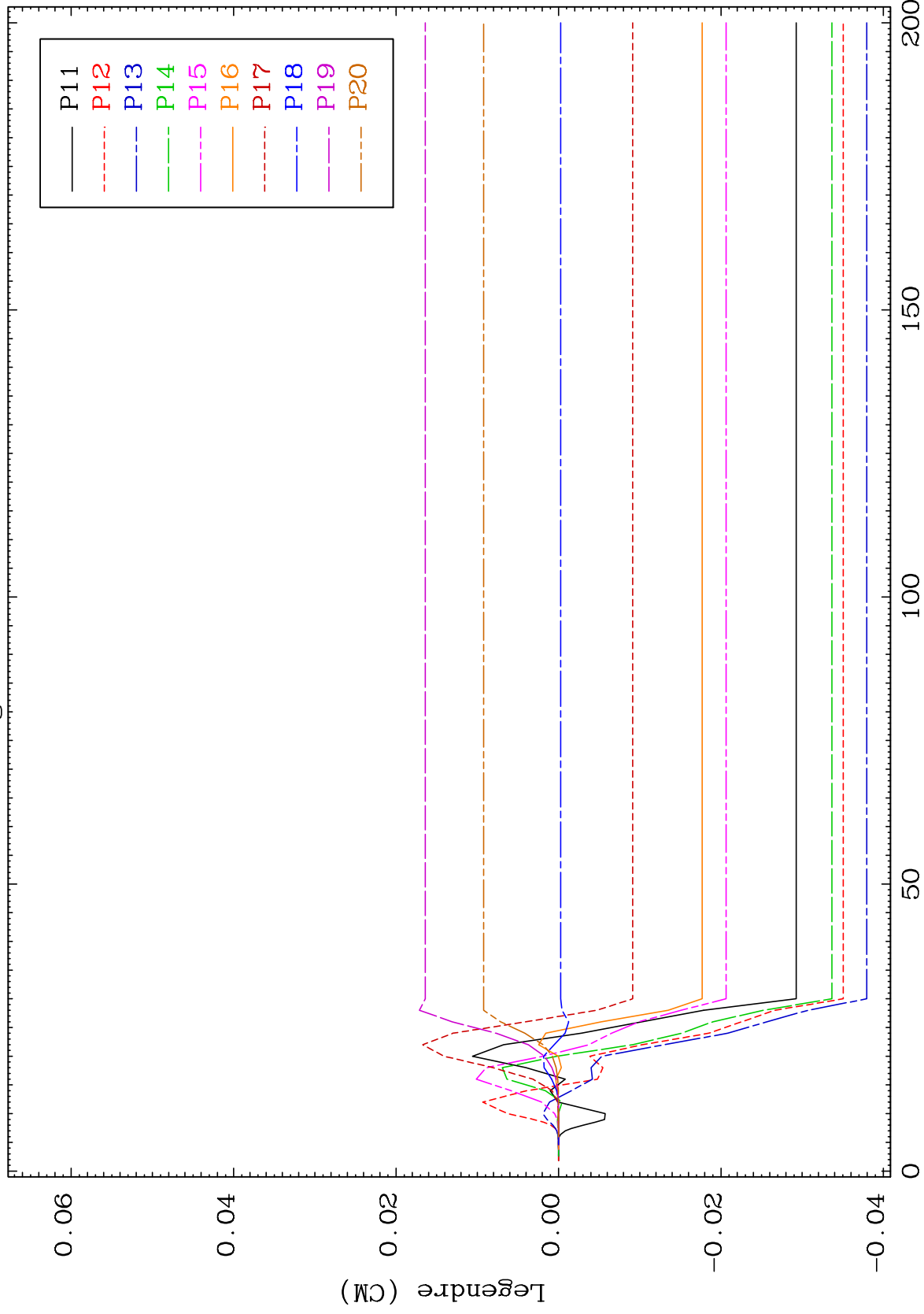


43

MAT 7334

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

73-Ta-183



44

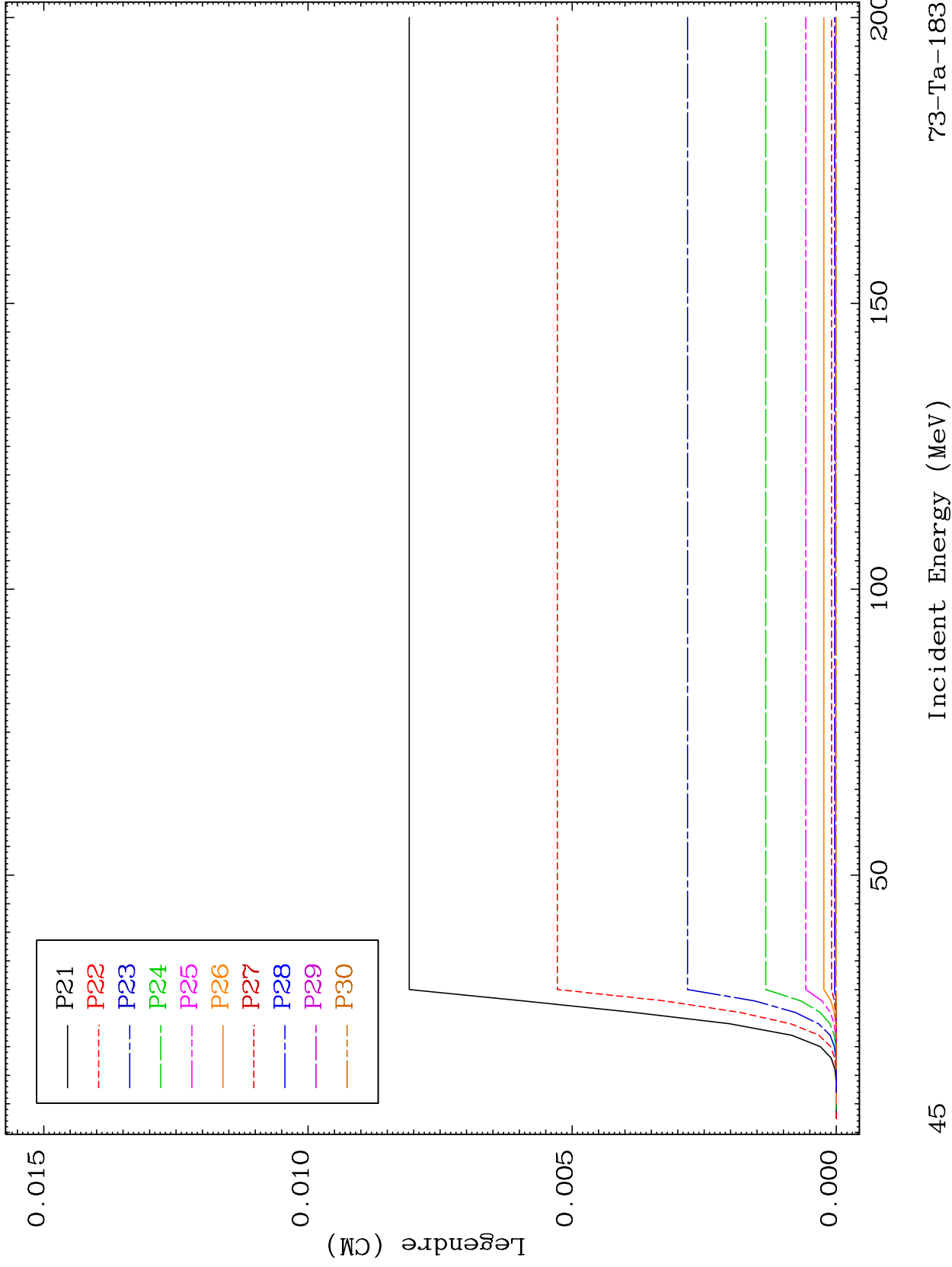
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



45

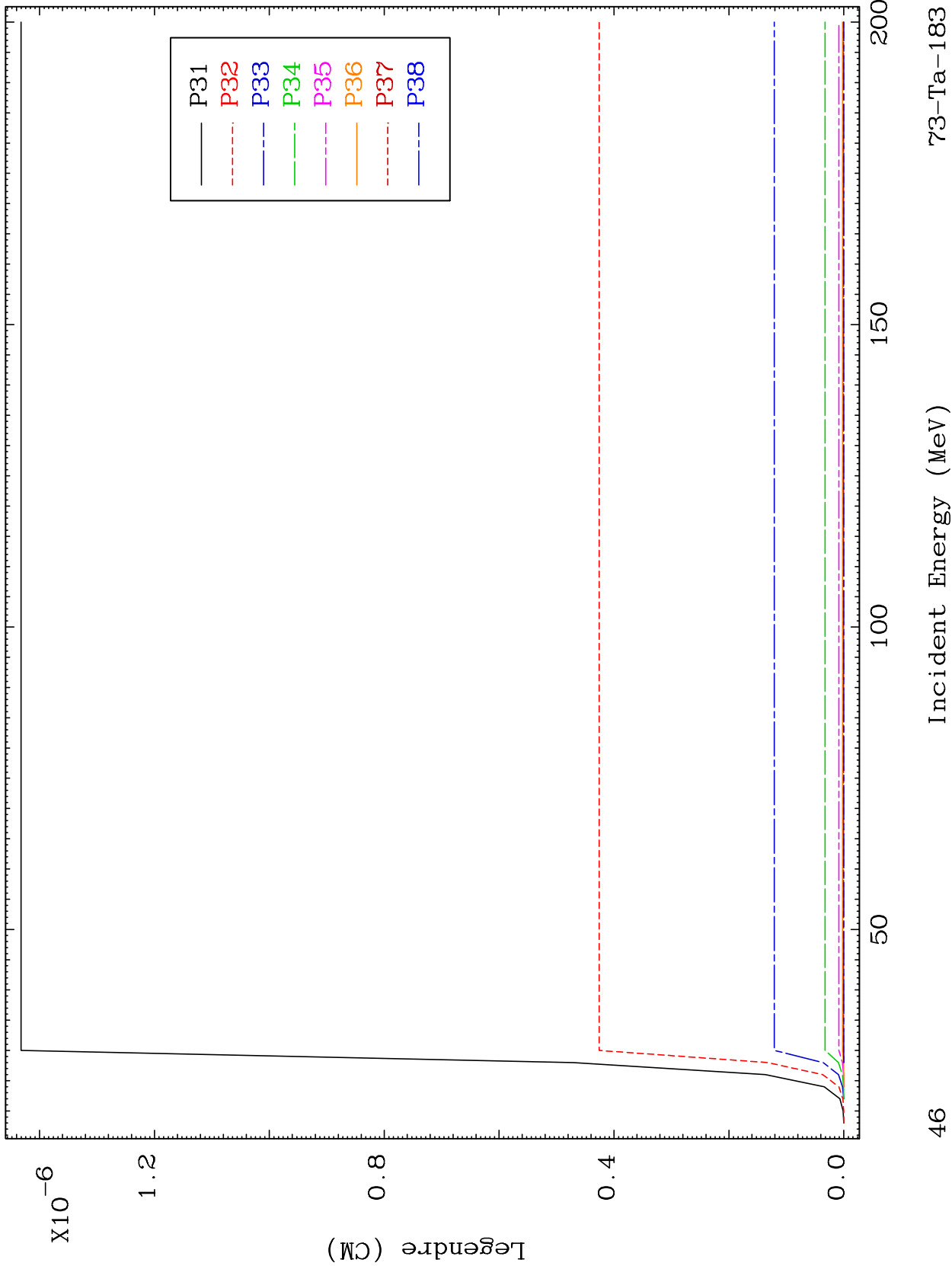
Incident Energy (MeV)

73-Ta-183

MAT 7334

73-Ta-183

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



46

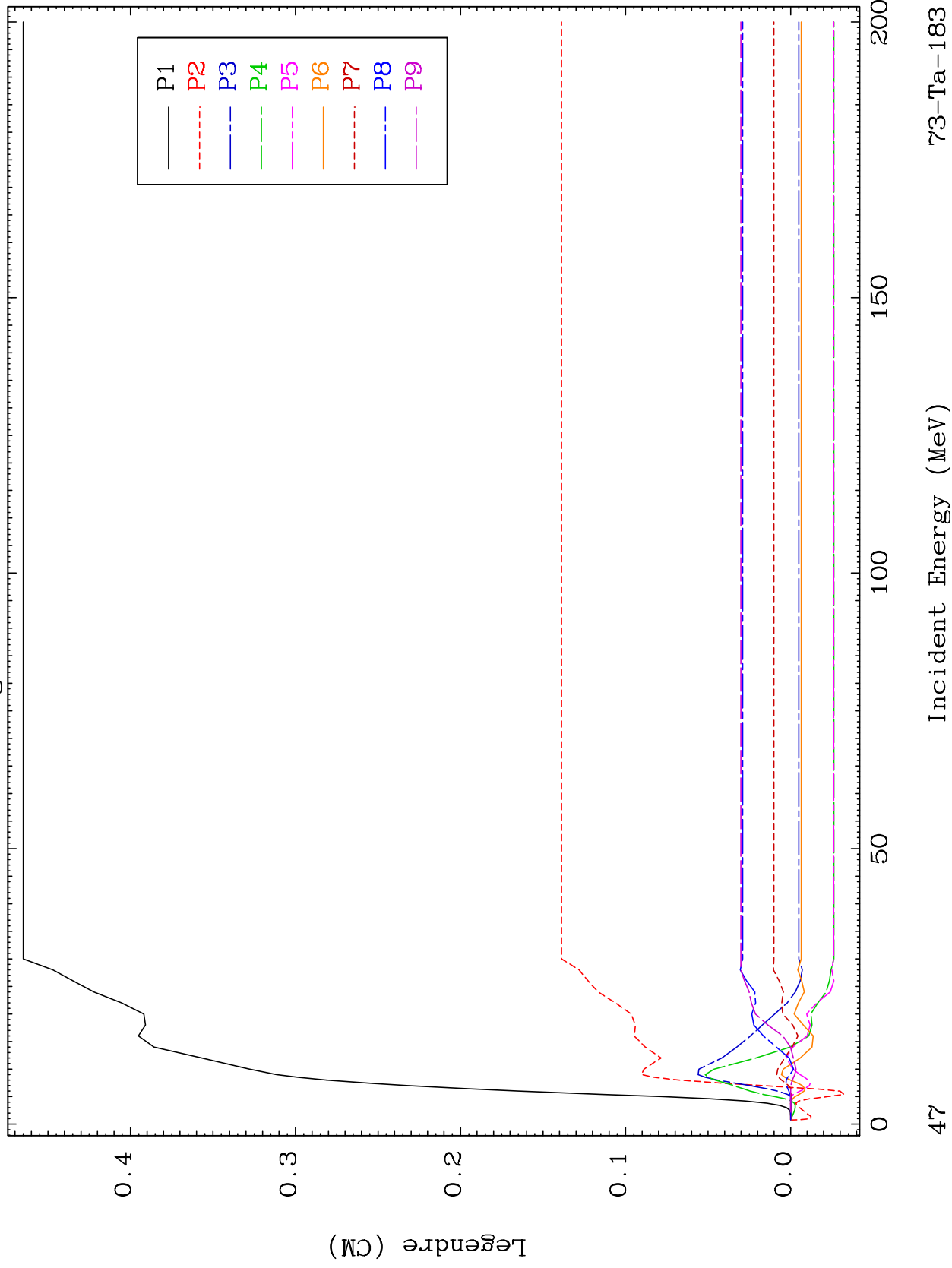
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



73-Ta-183

Incident Energy (MeV)

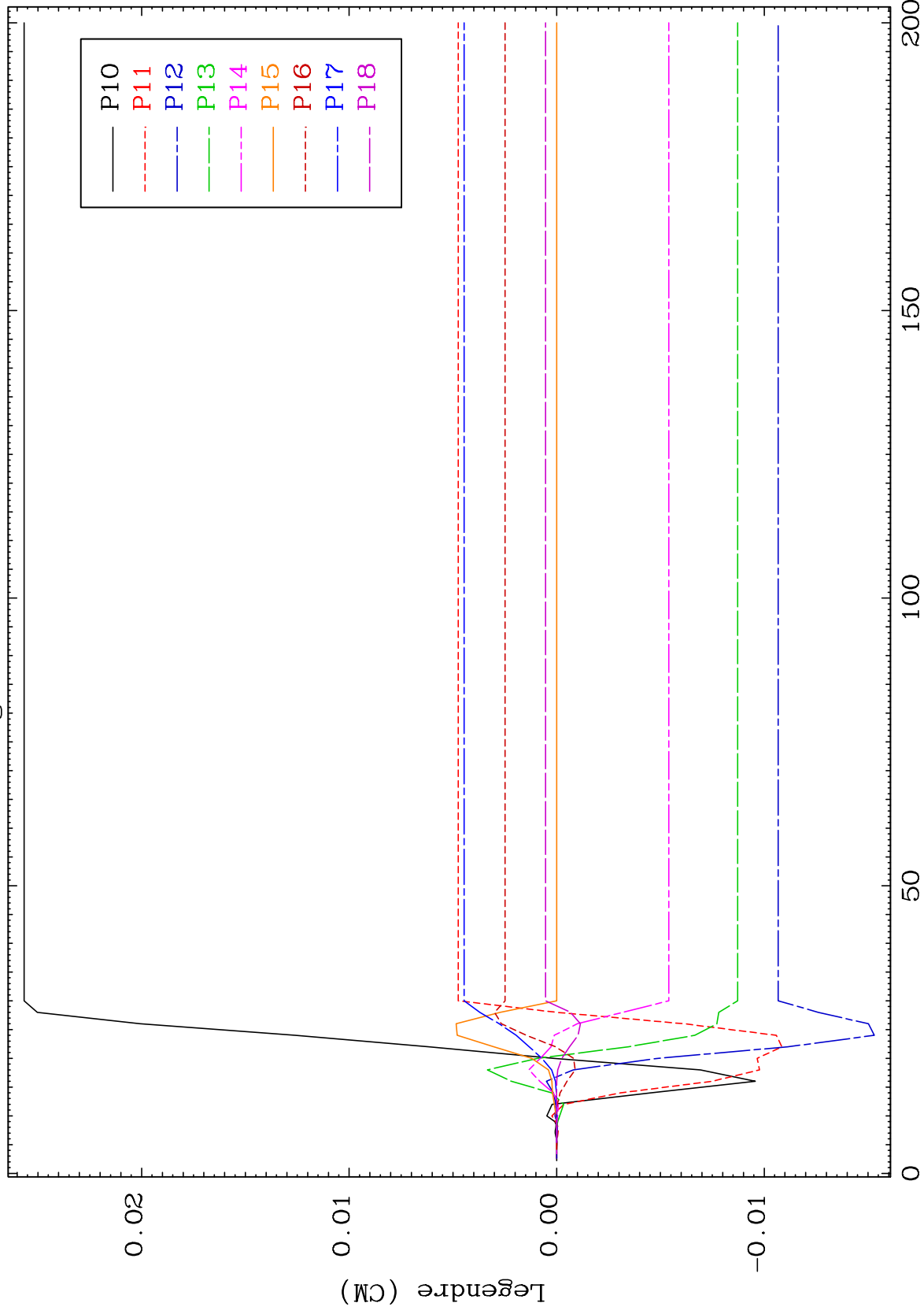
47



MAT 7334

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

73-Ta-183



48

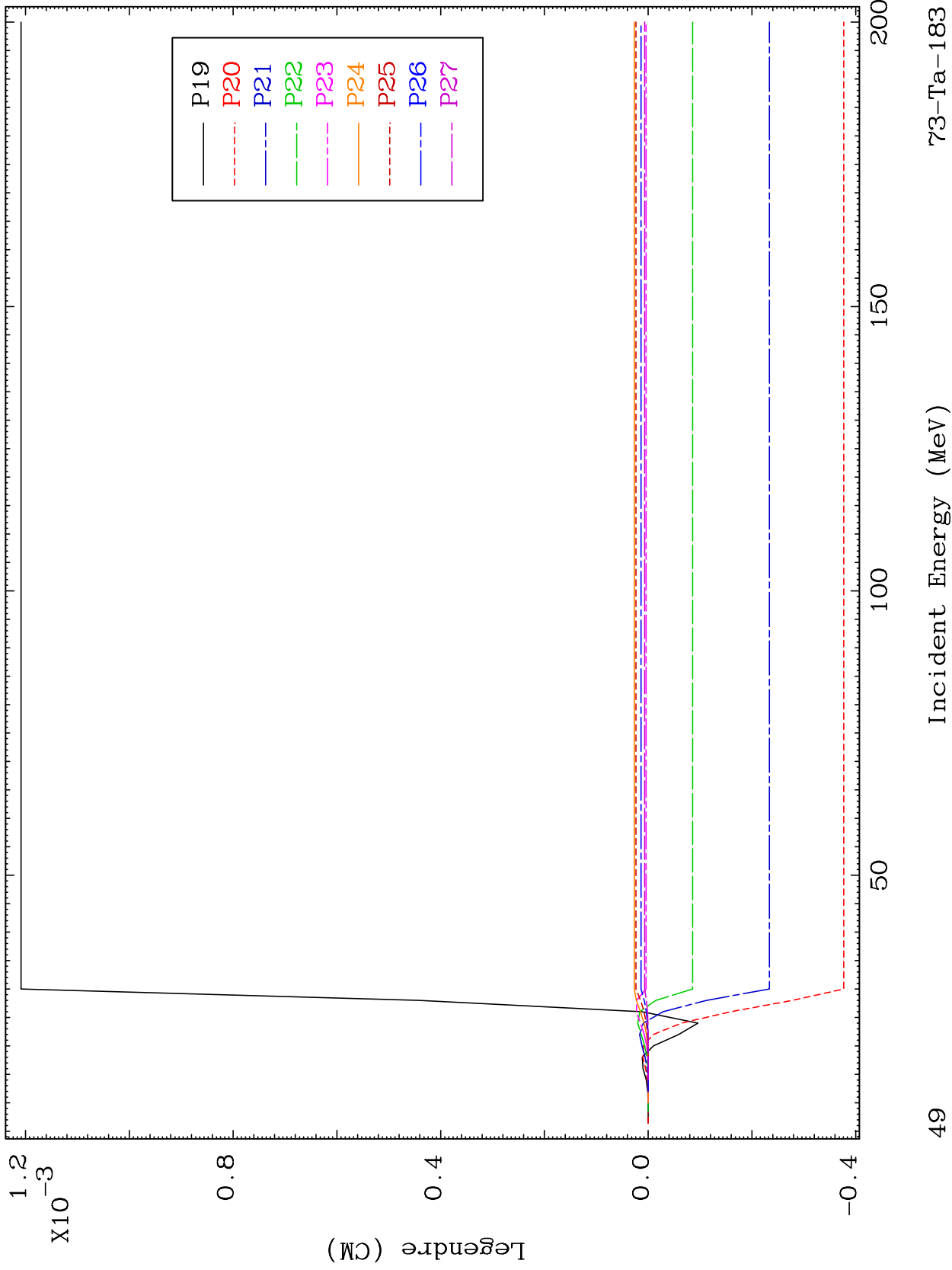
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



49

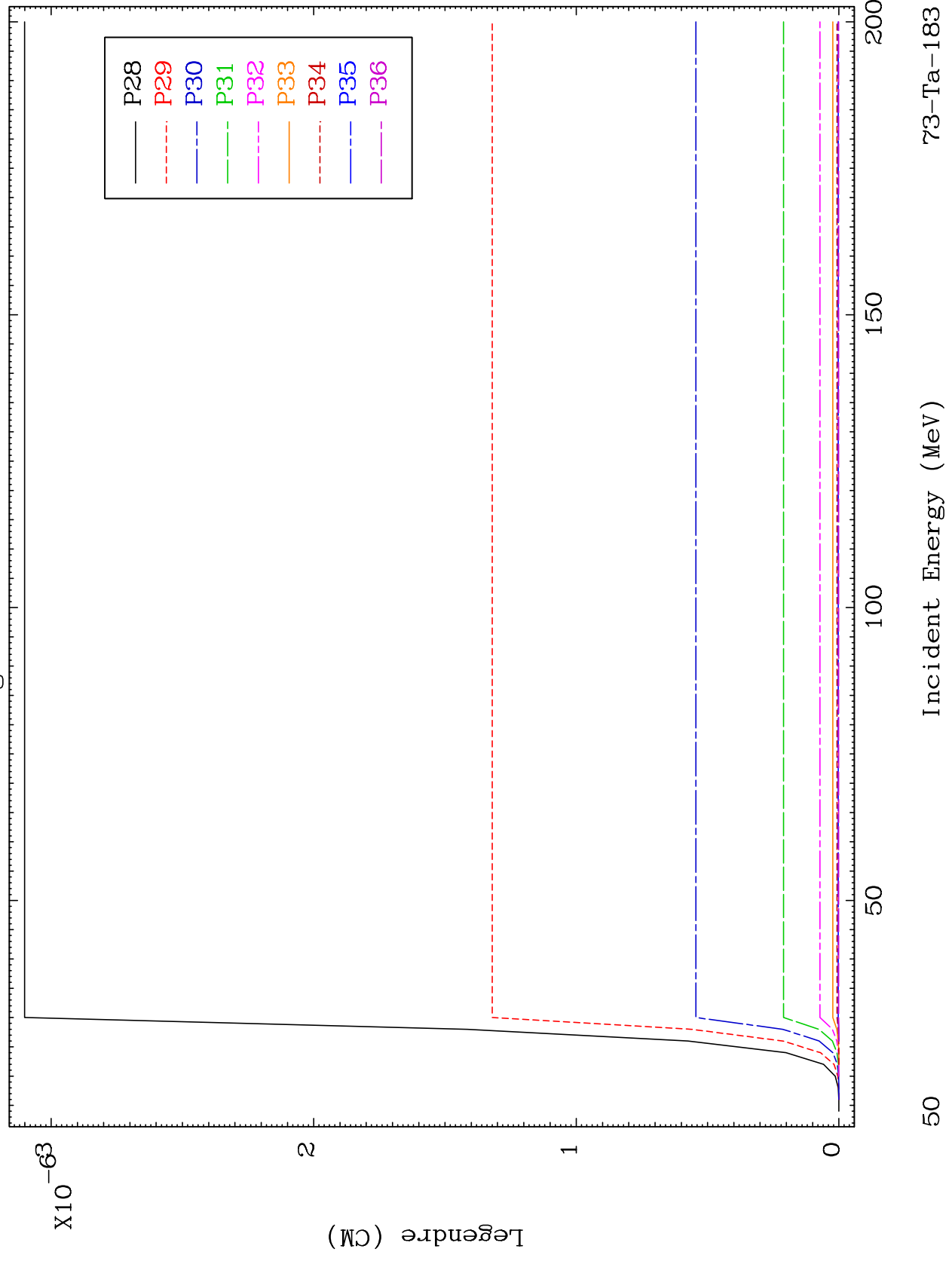
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

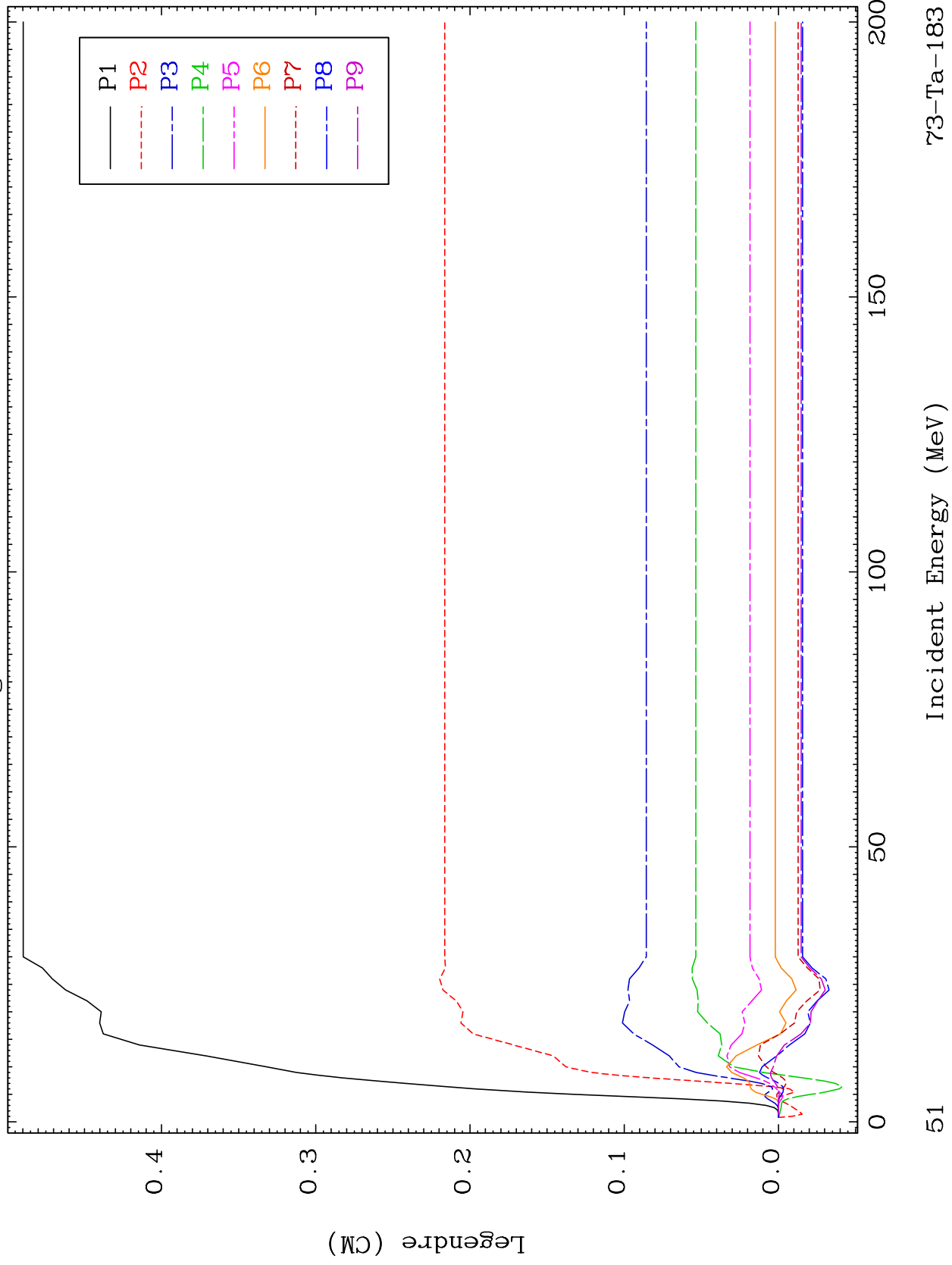
73-Ta-183



MAT 7334

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

73-Ta-183



73-Ta-183

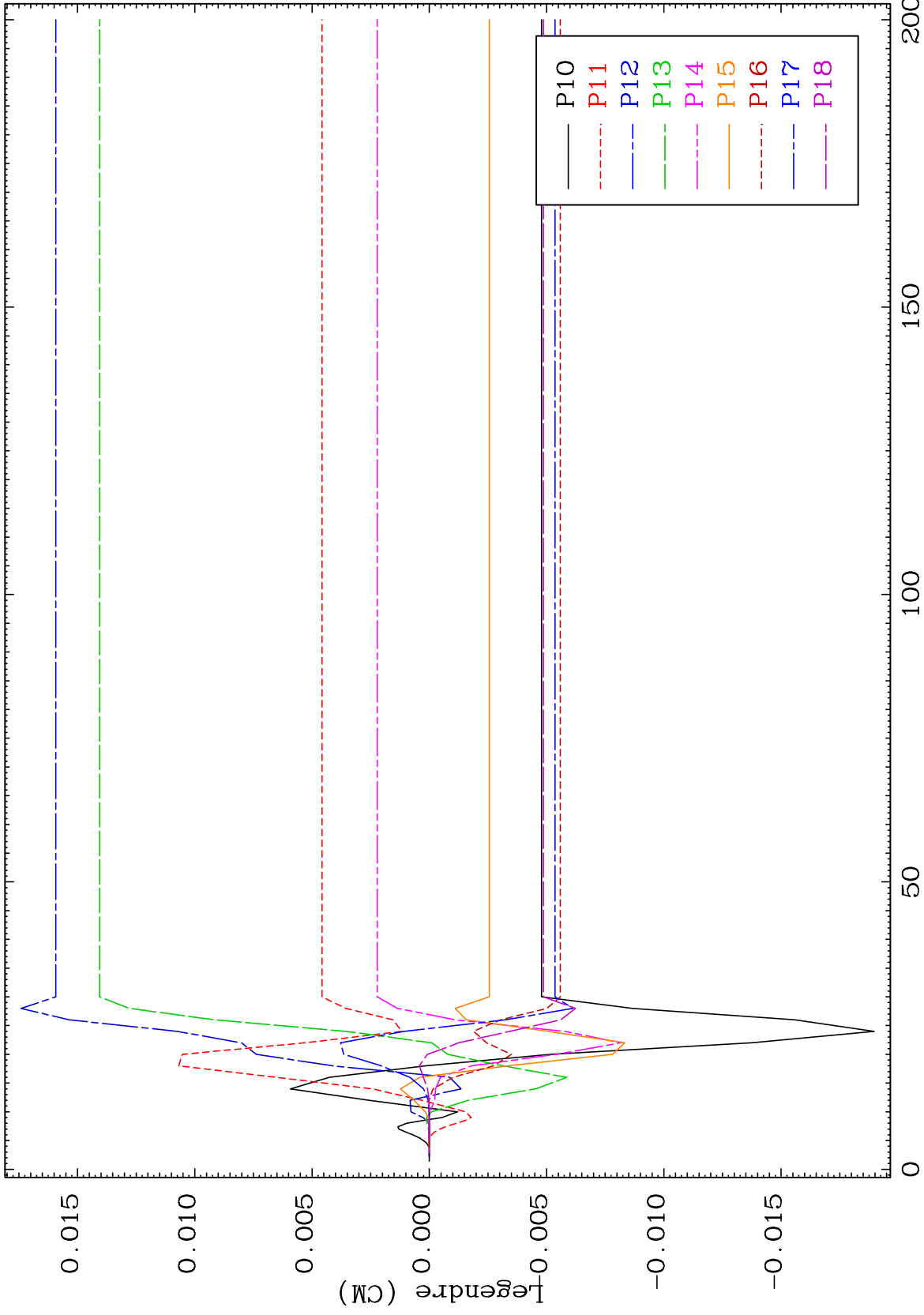
Incident Energy (MeV)

51

MAT 7334

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

73-Ta-183



52

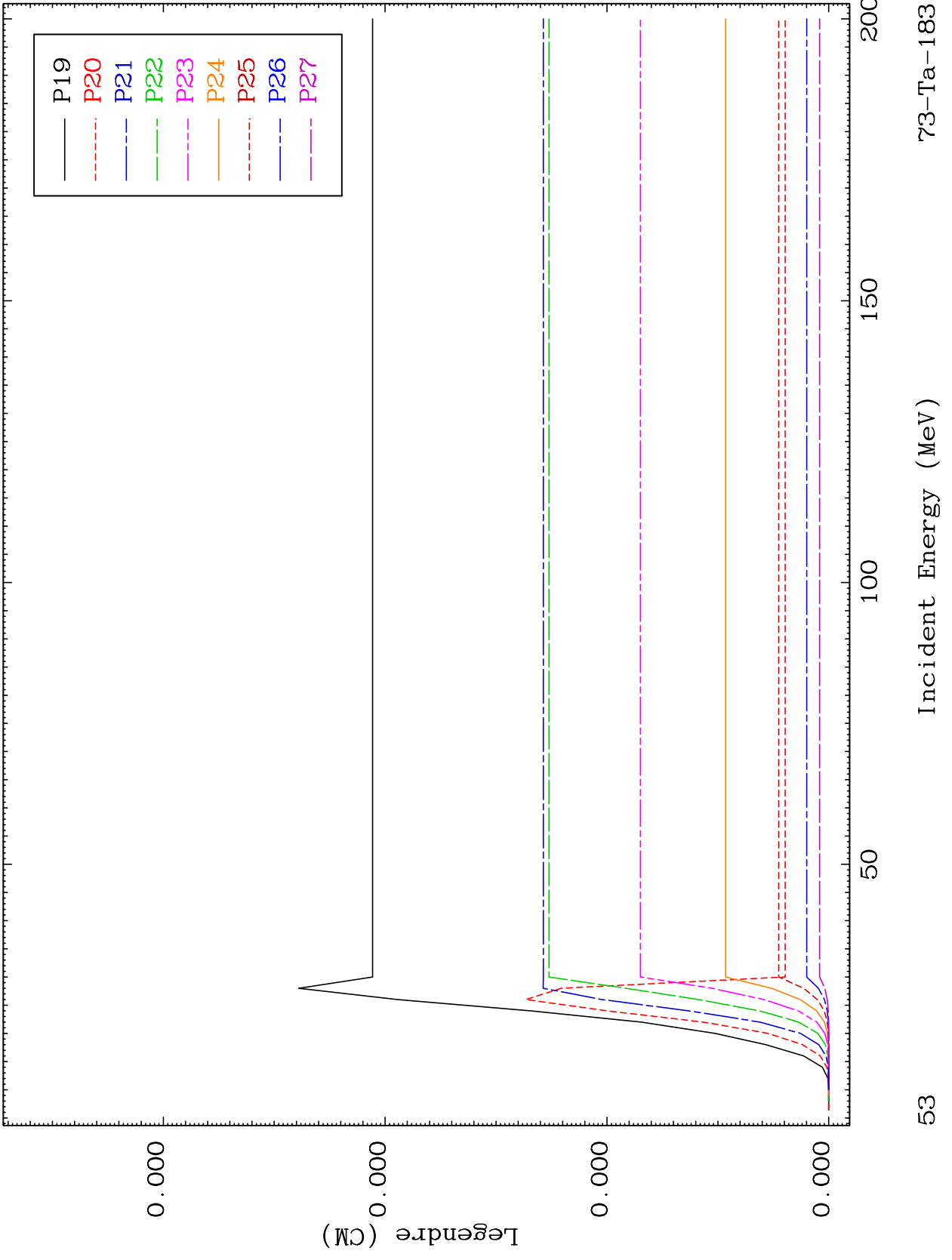
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



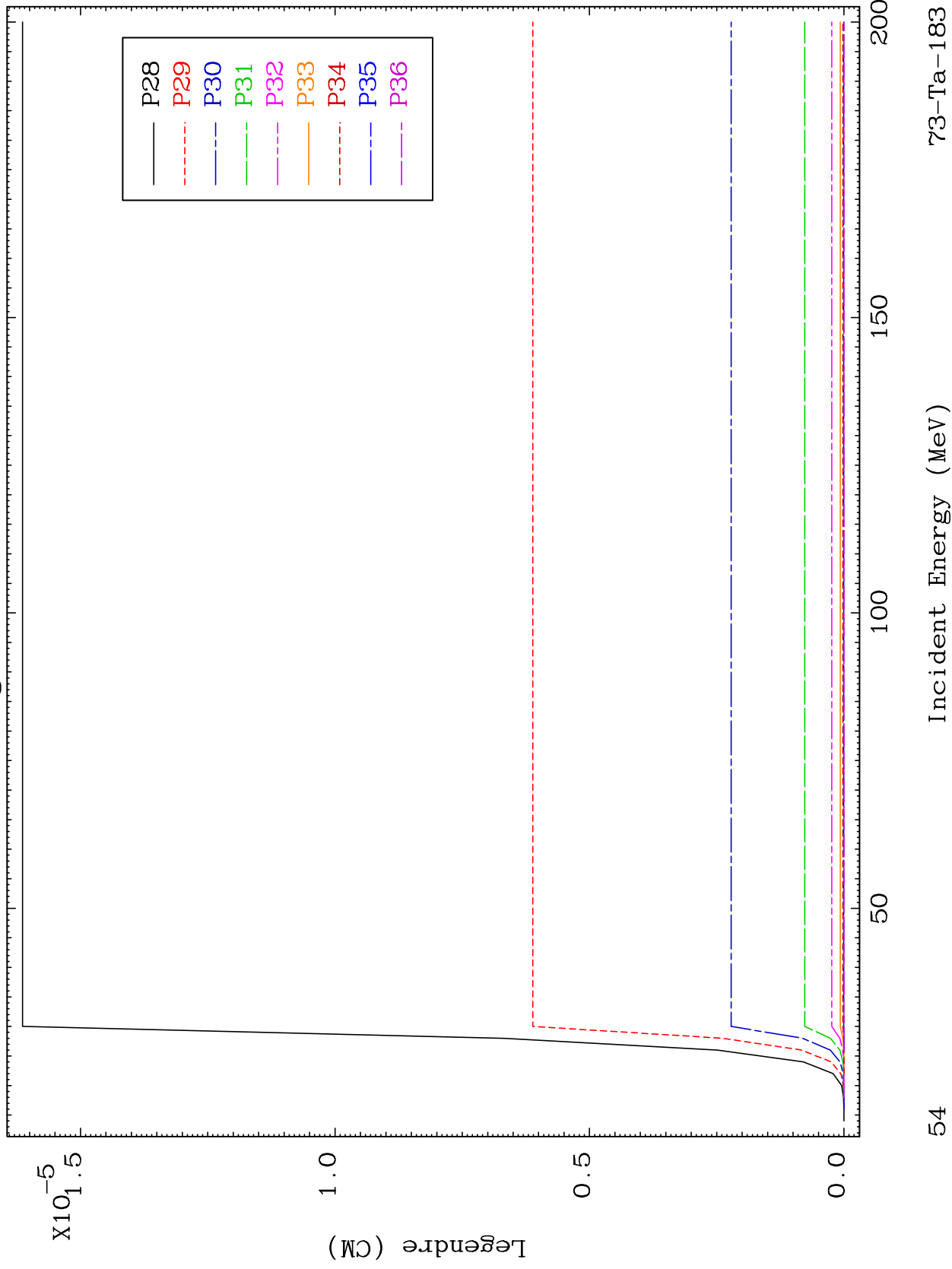
53

73-Ta-183

MAT 7334

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

73-Ta-183



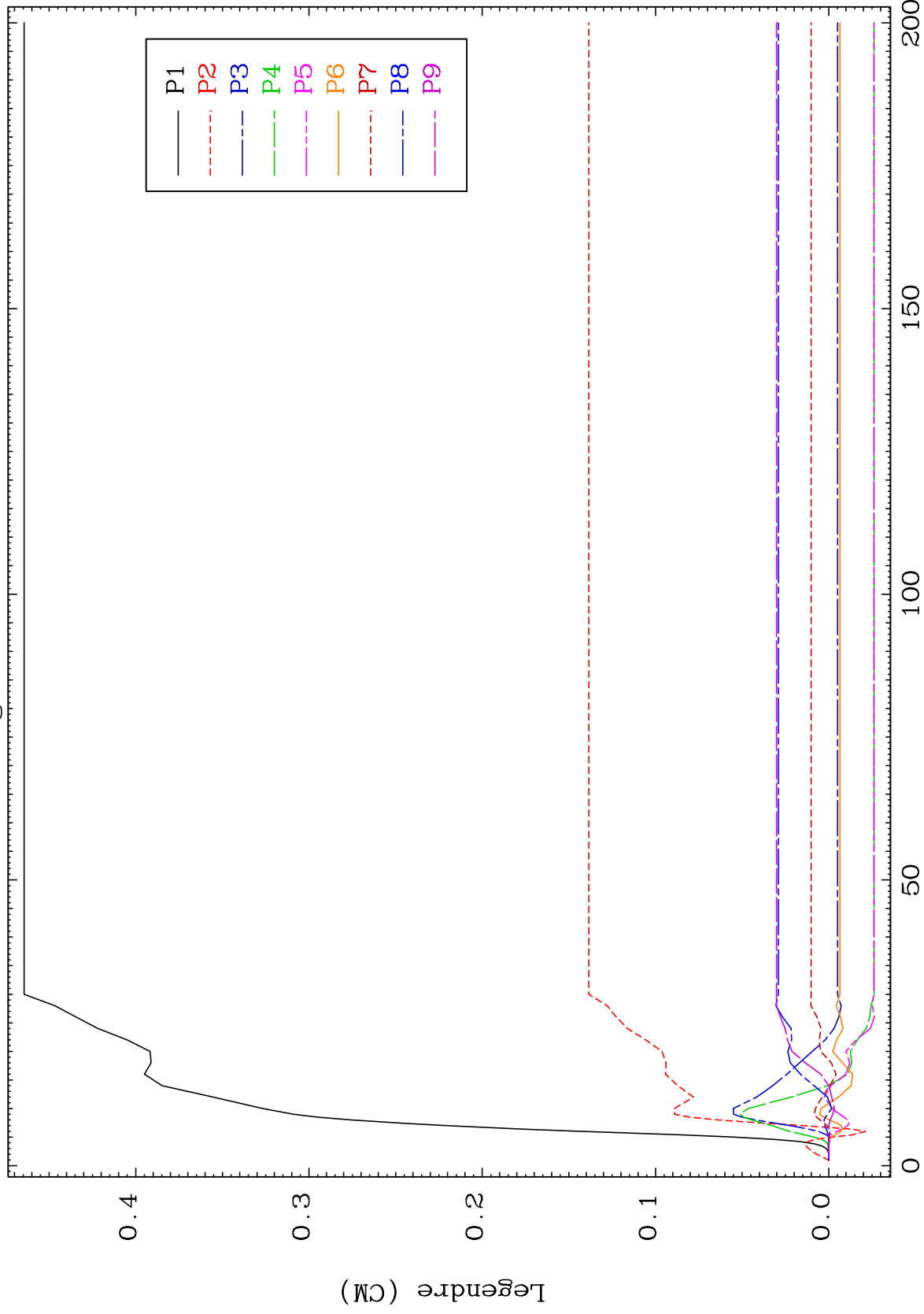
54

73-Ta-183

MAT 7334

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

73-Ta-183

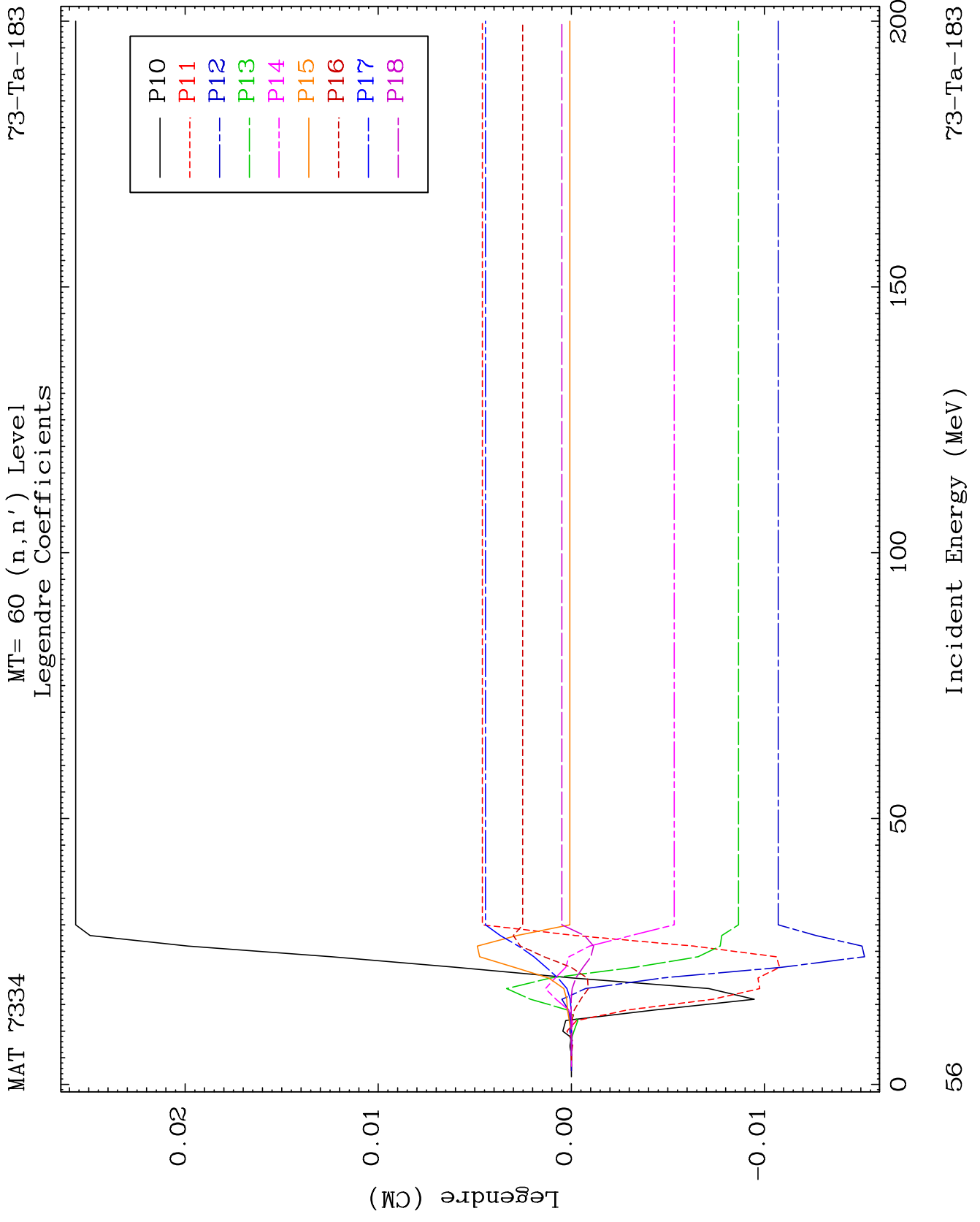


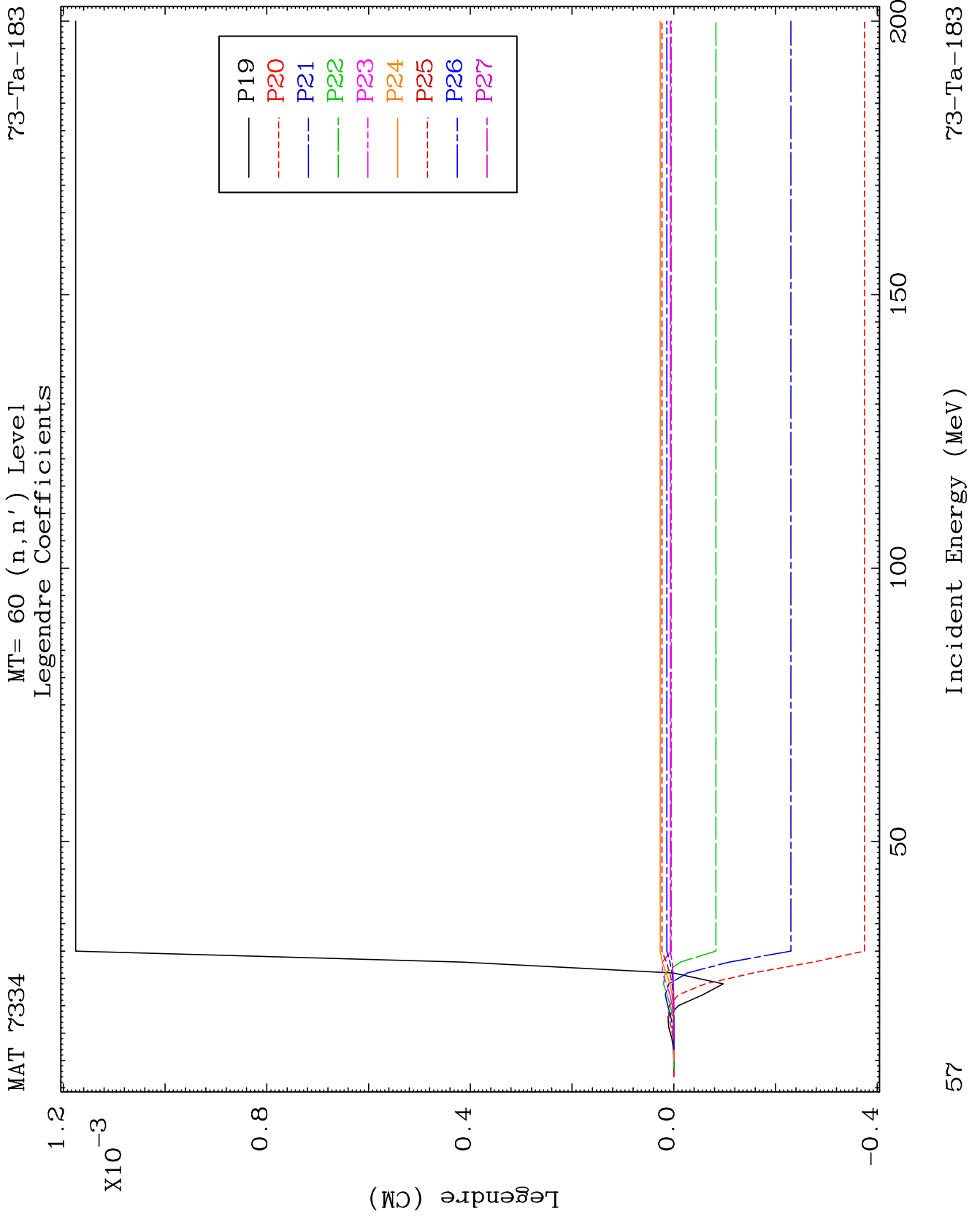
55

Incident Energy (MeV)

73-Ta-183



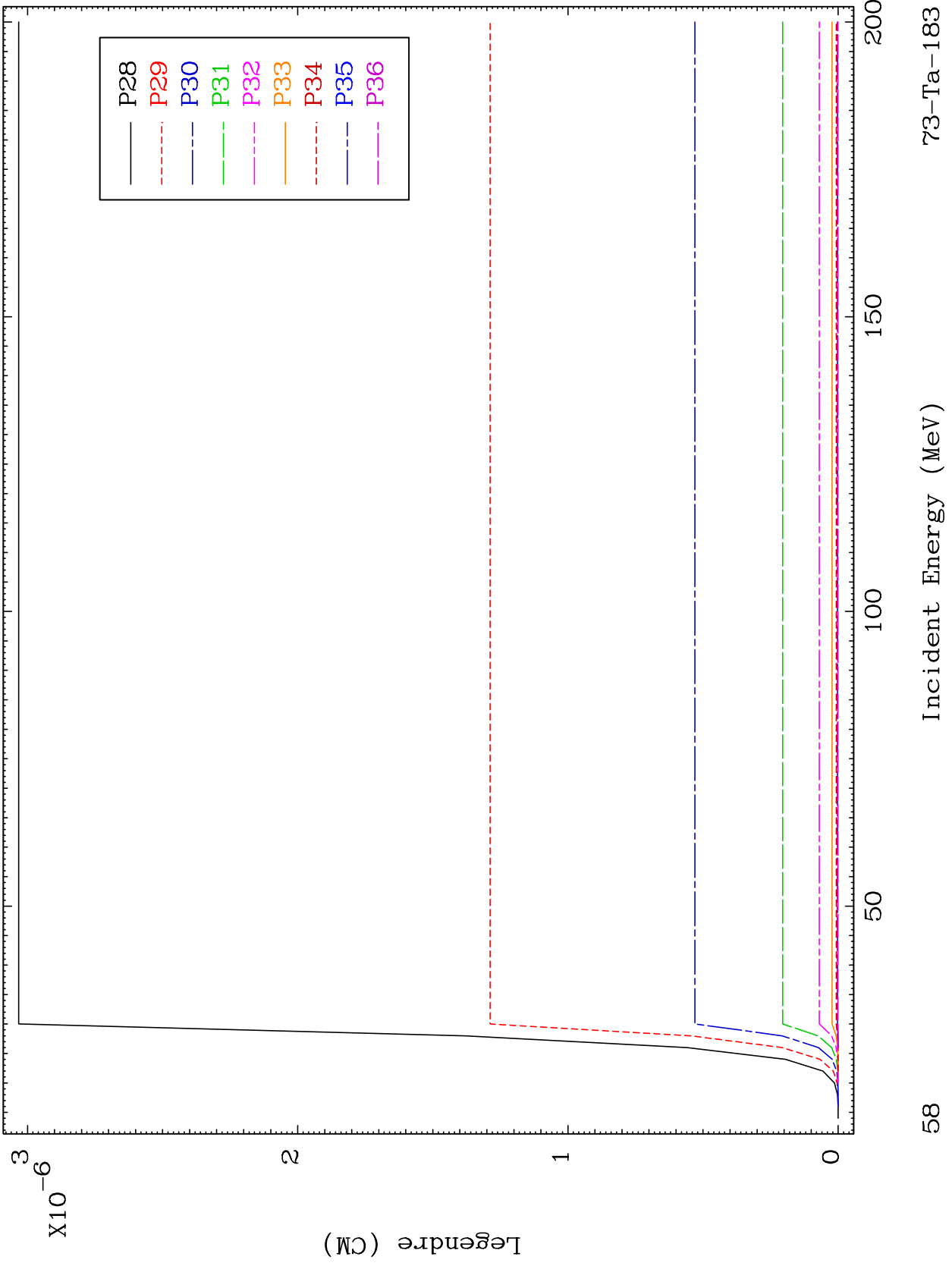




MAT 7334

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

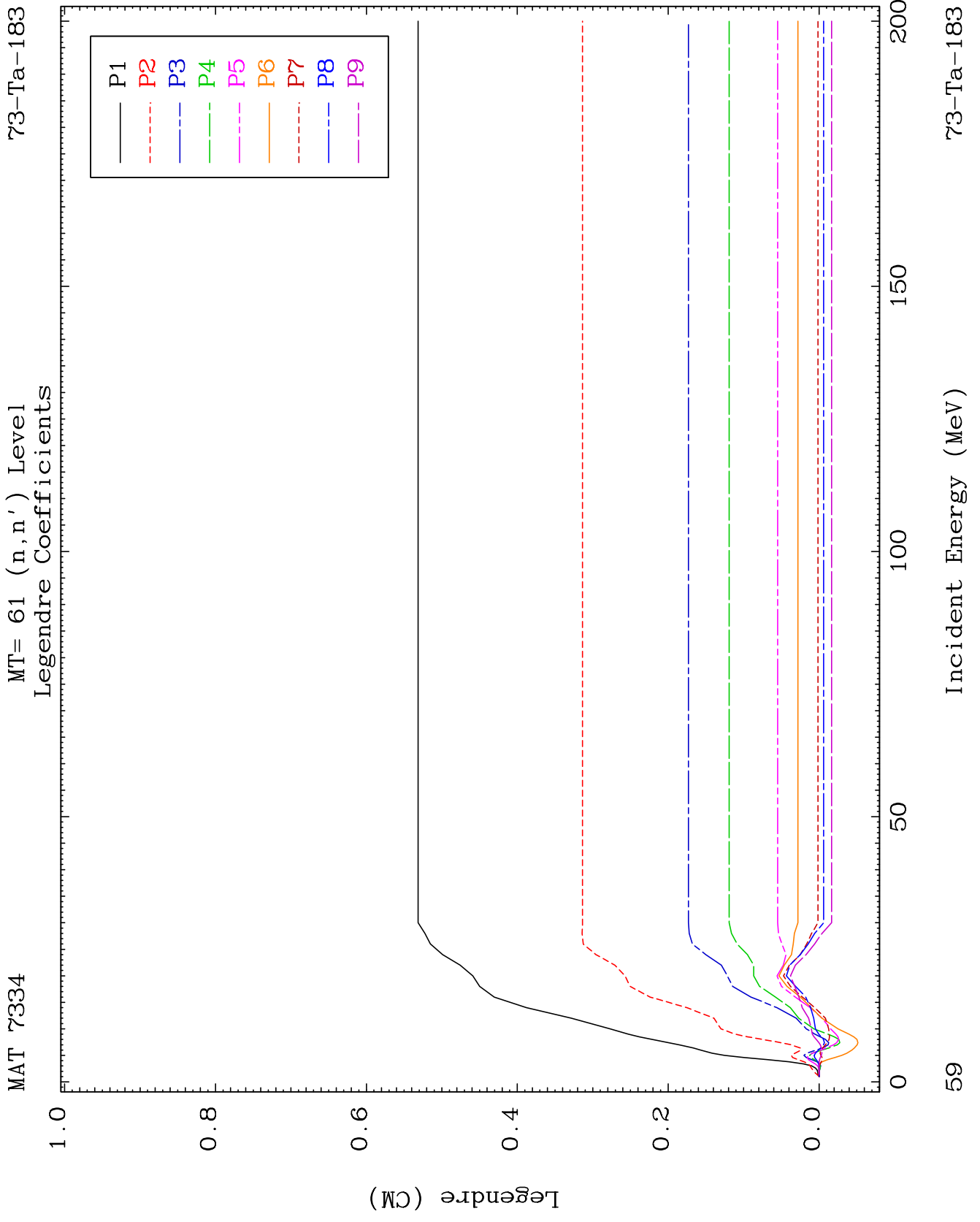
73-Ta-183

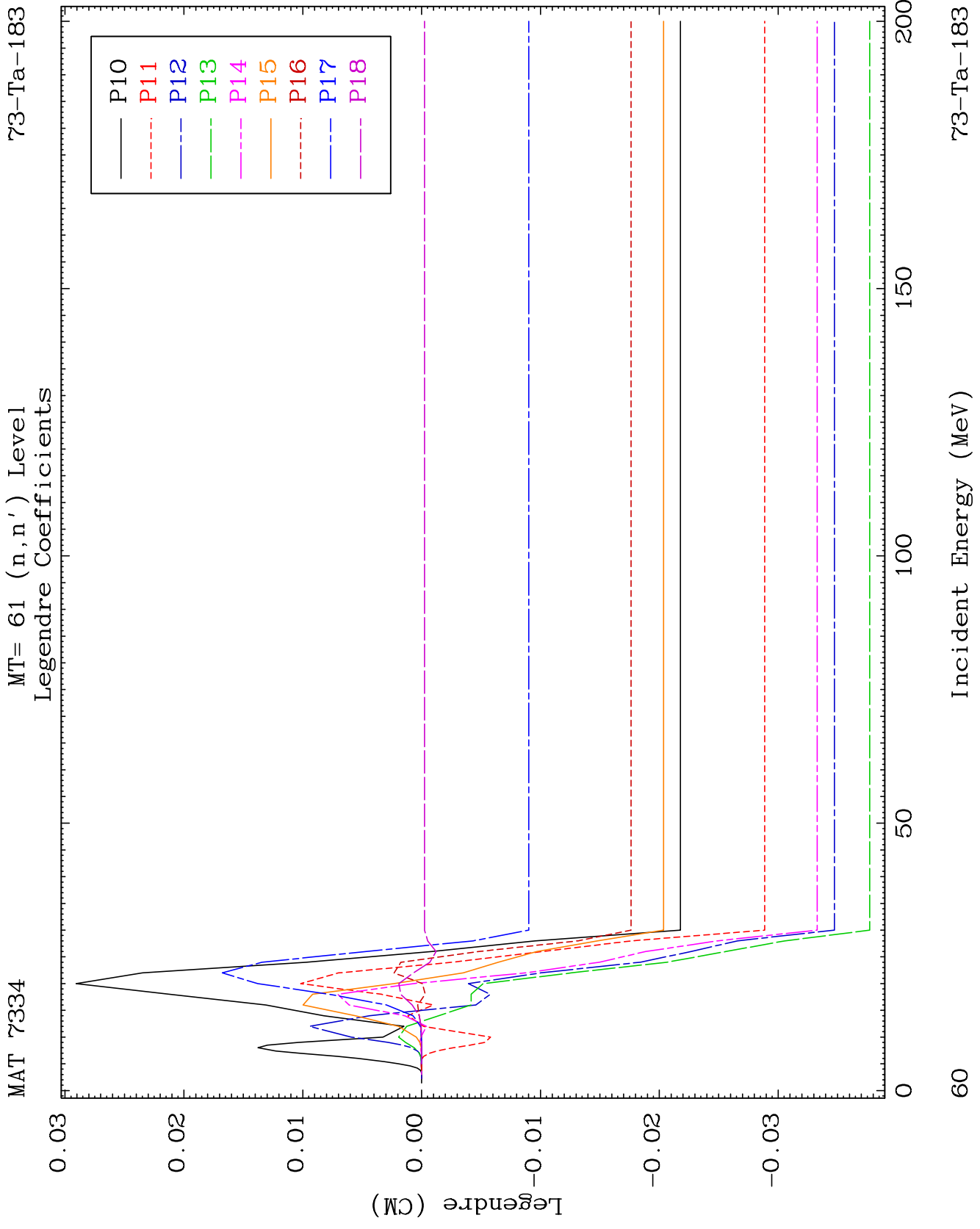


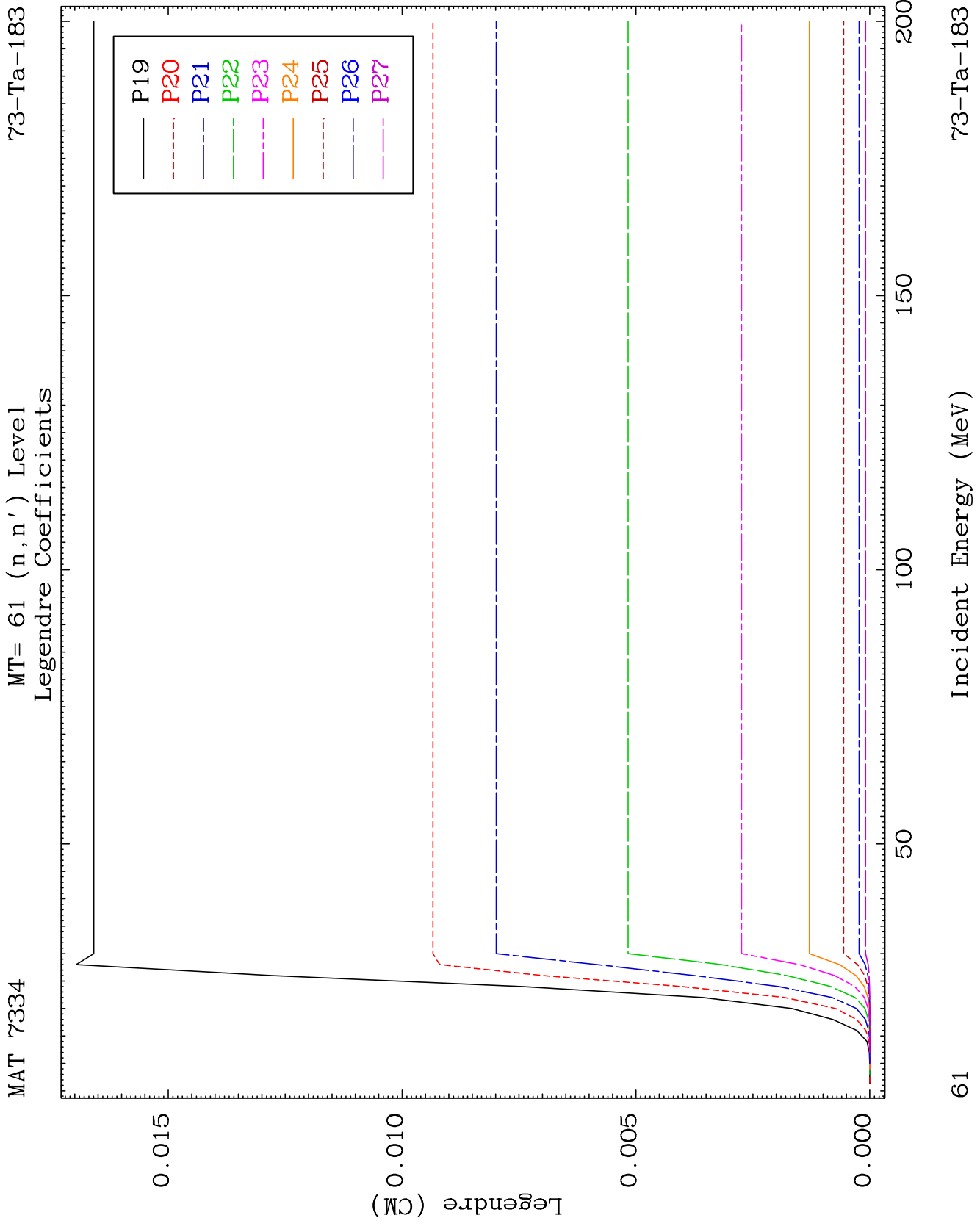
58

Incident Energy (MeV)

73-Ta-183



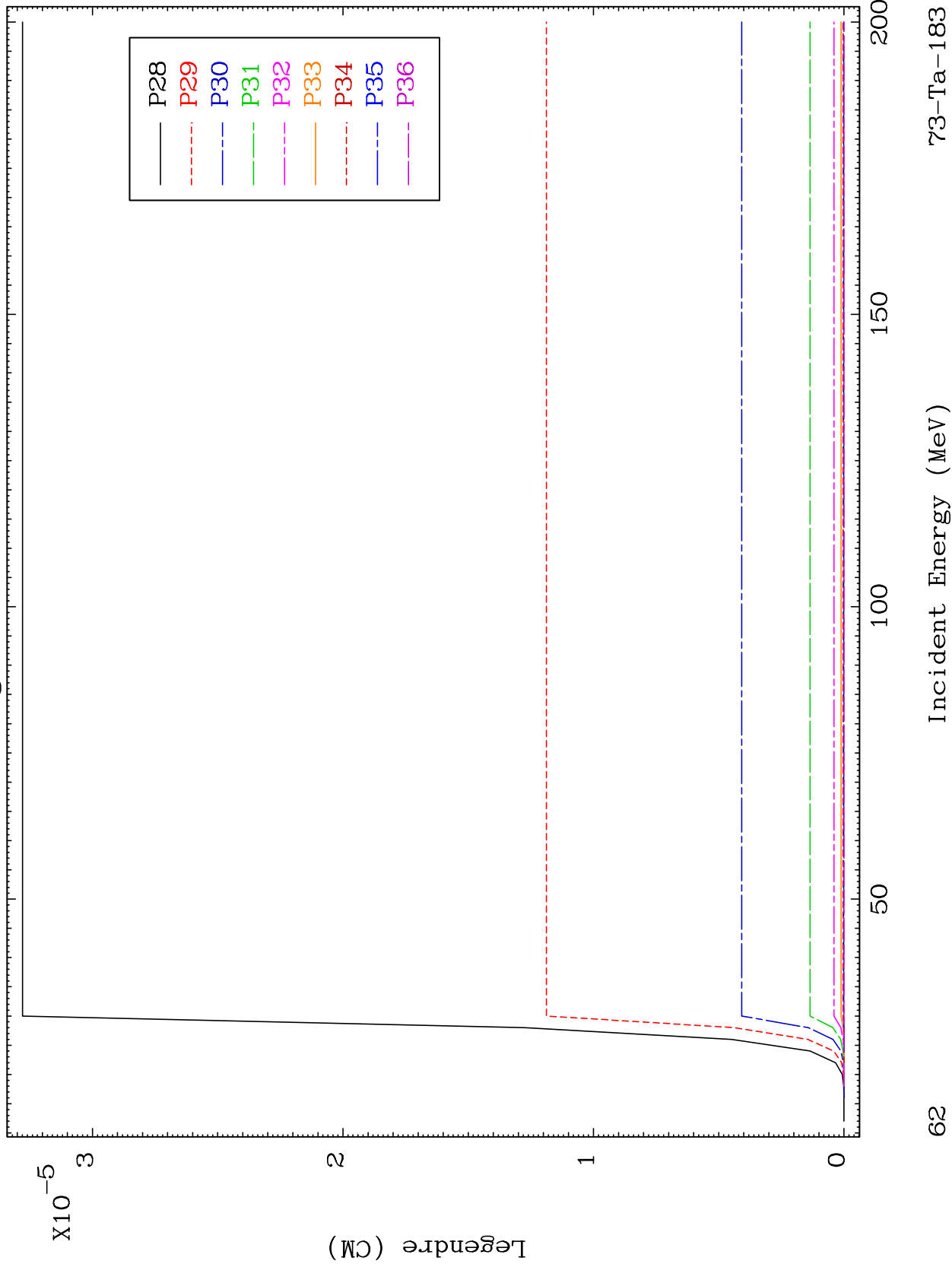




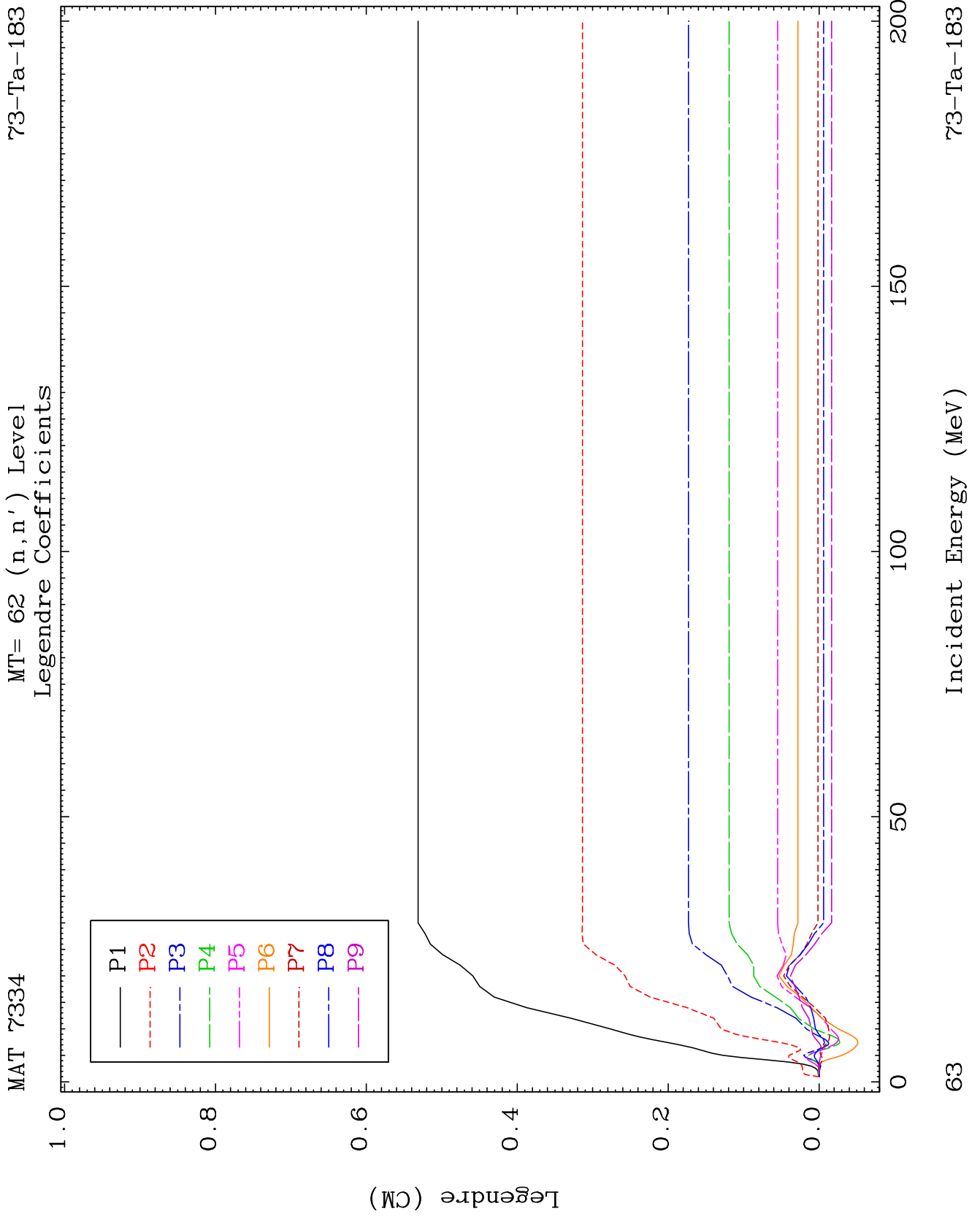
MAT 7334

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

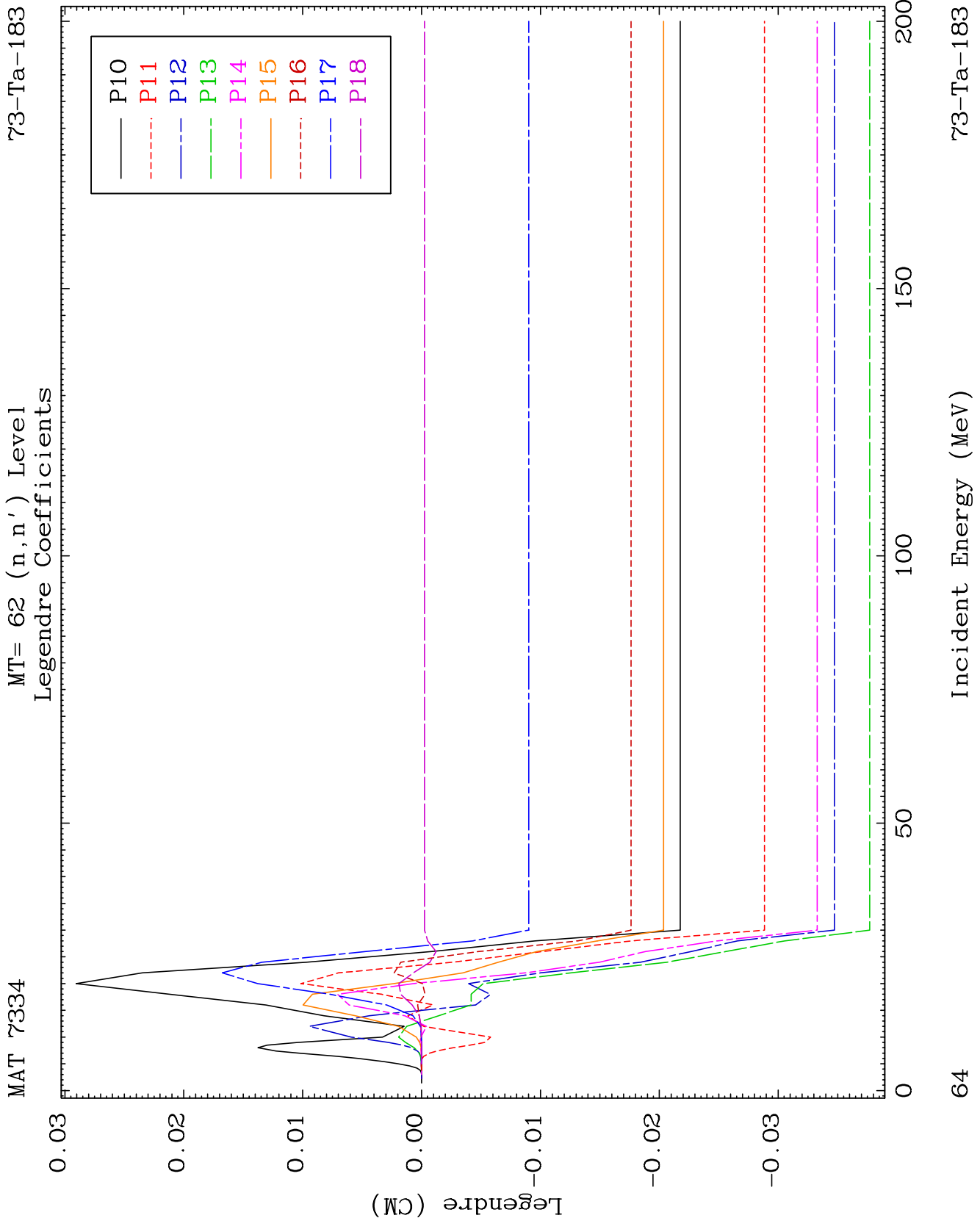
73-Ta-183

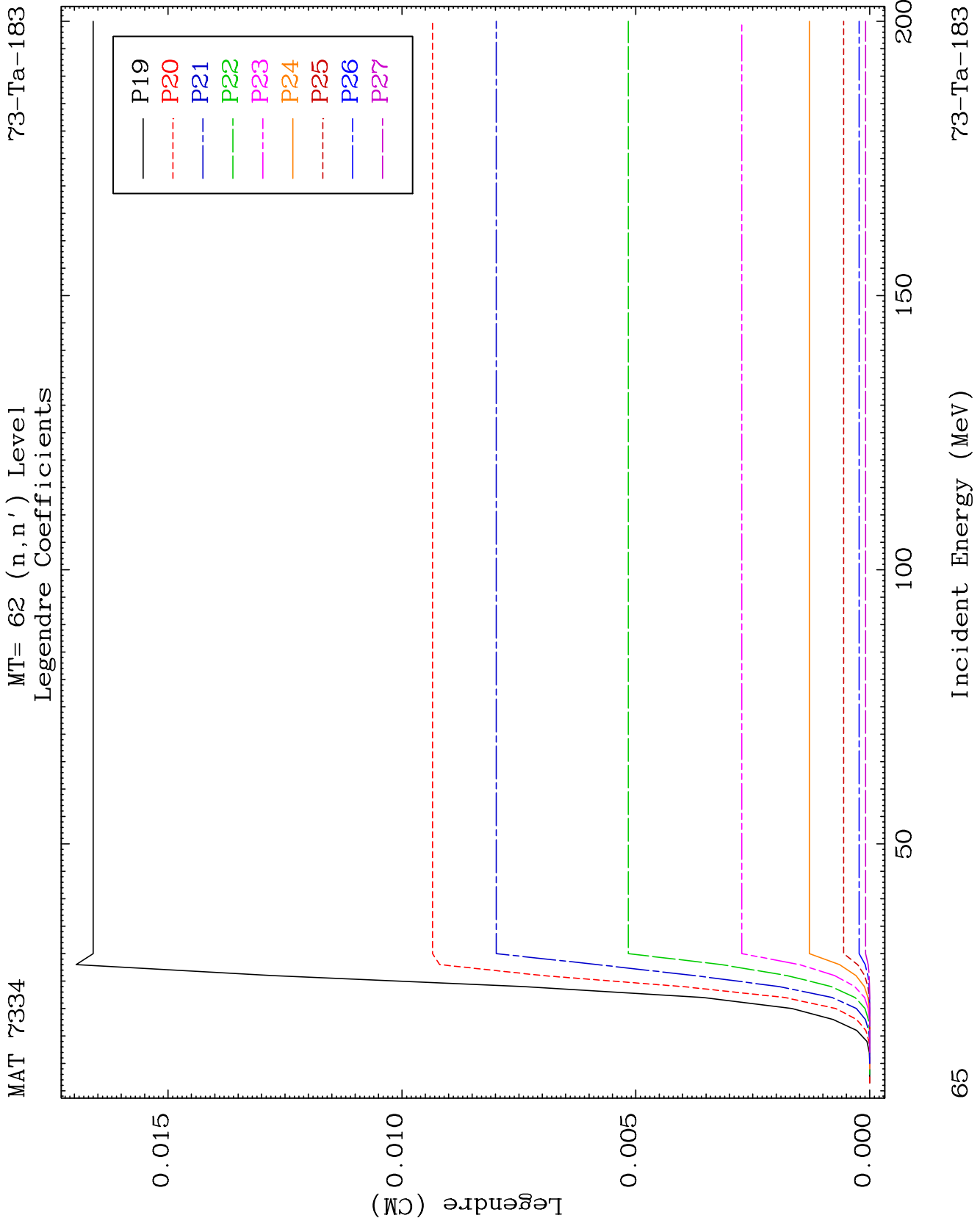


62





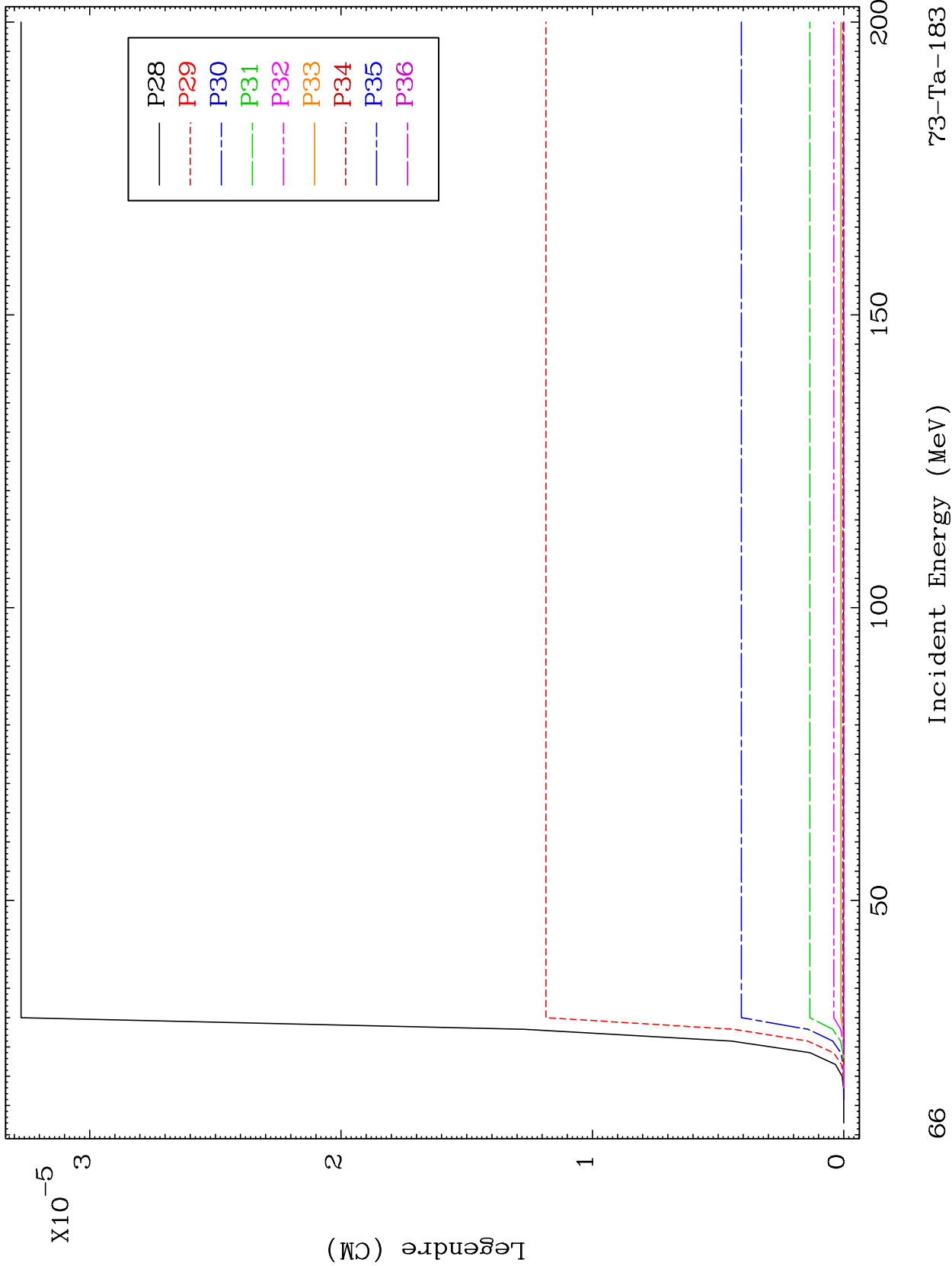




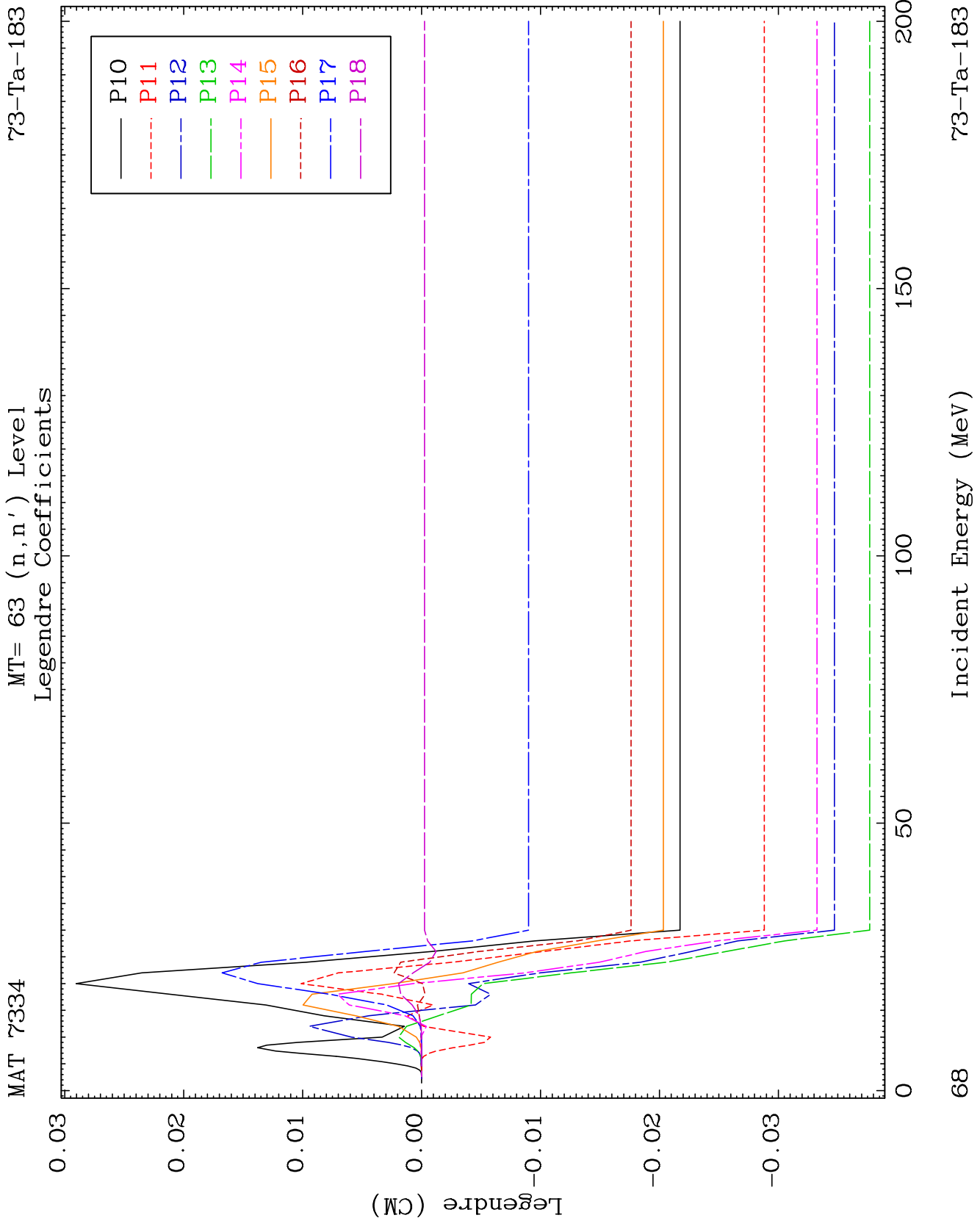
MAT 7334

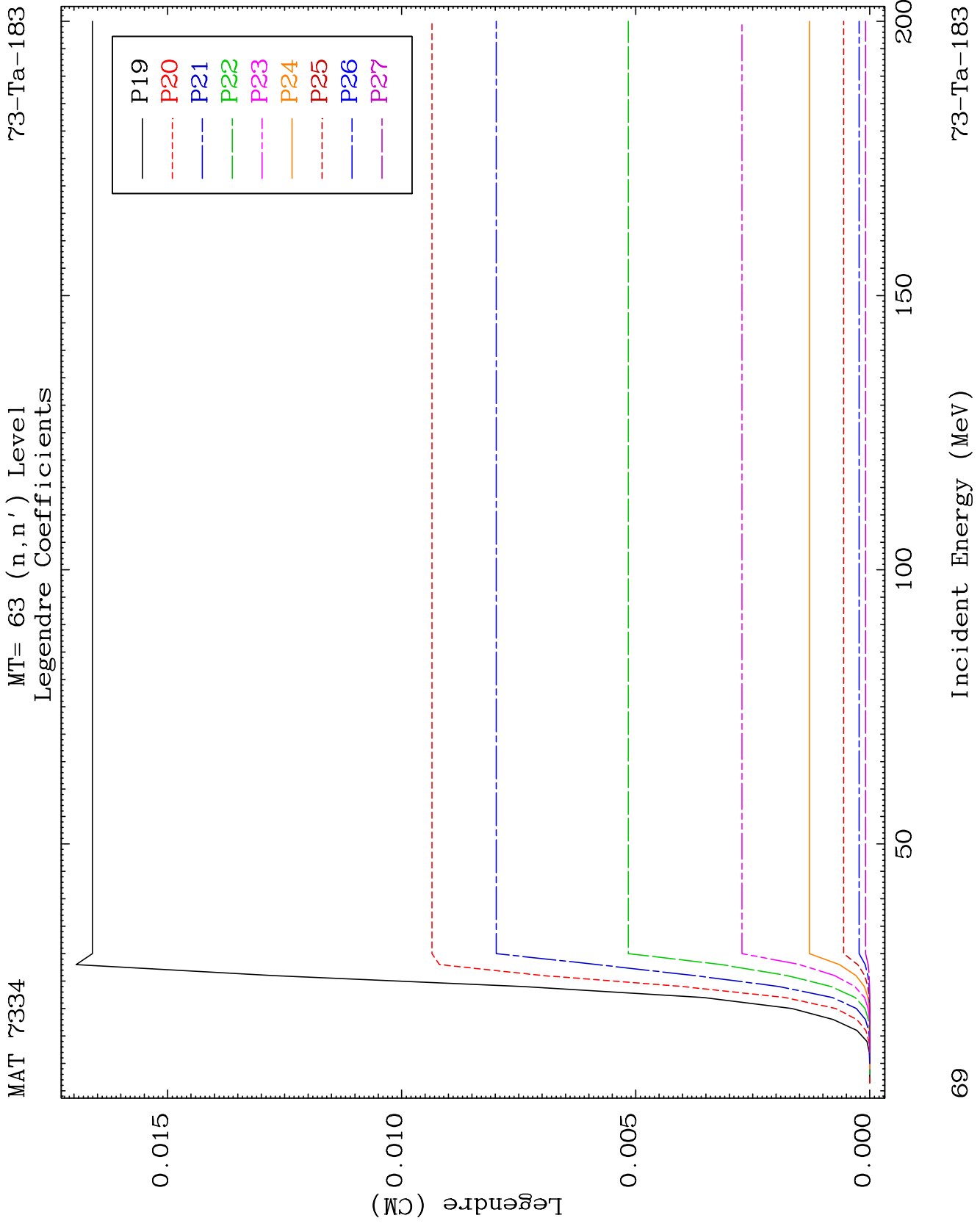
MT= 62 (n,n') Level  
Legendre Coefficients

73-Ta-183







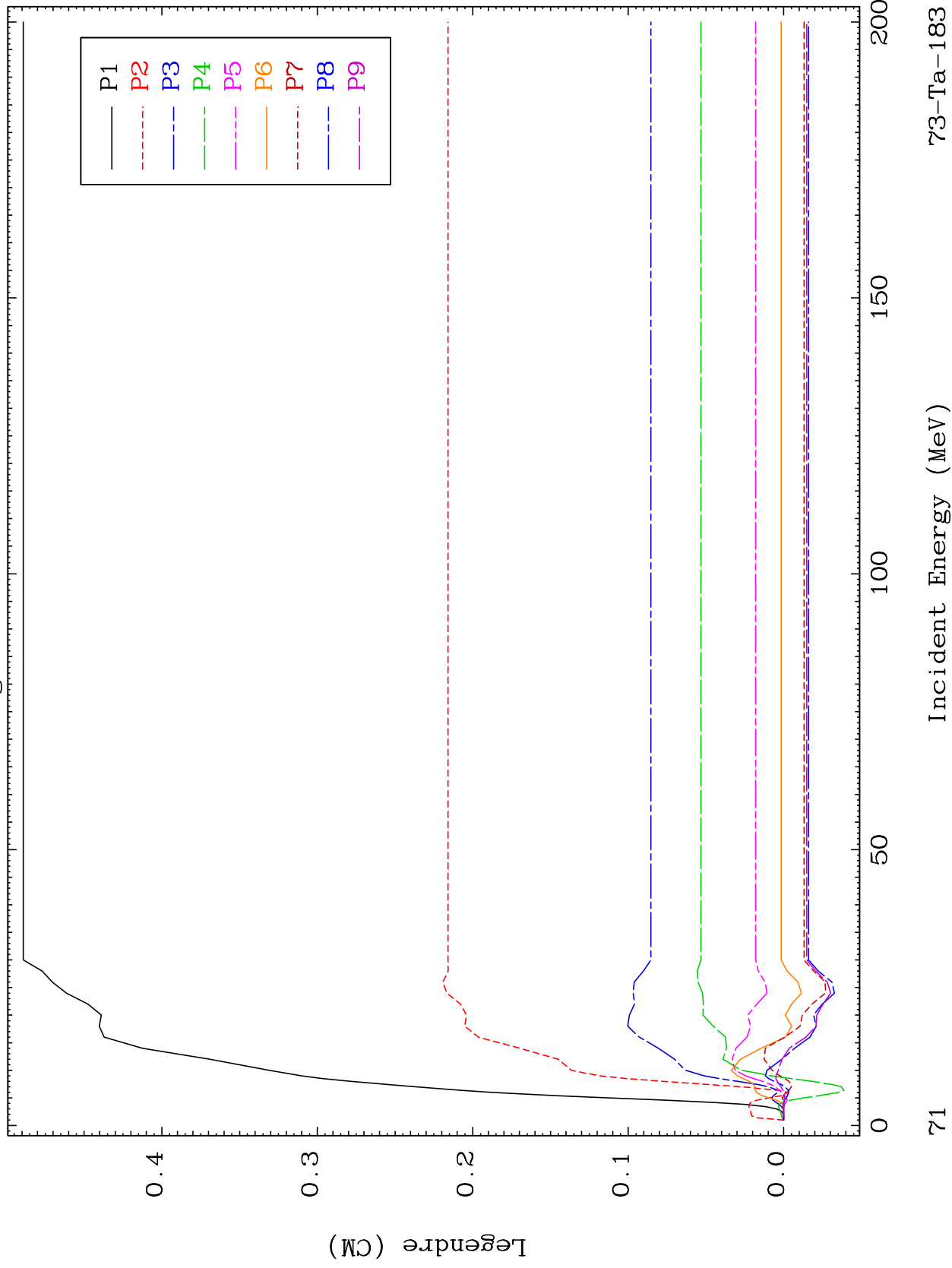




MAT 7334

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

73-Ta-183



73-Ta-183

Incident Energy (MeV)

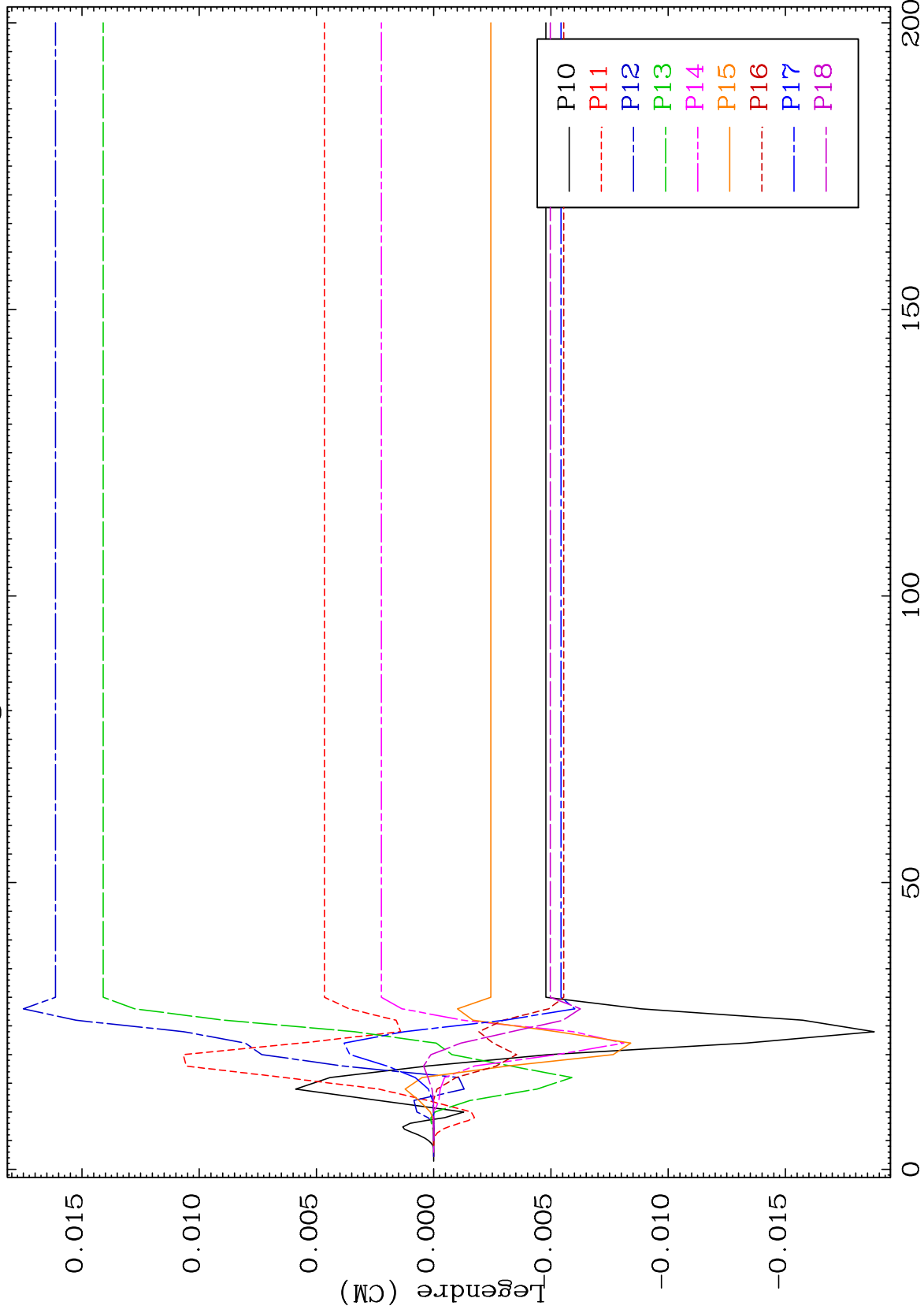
71



MAT 7334

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

73-Ta-183



72

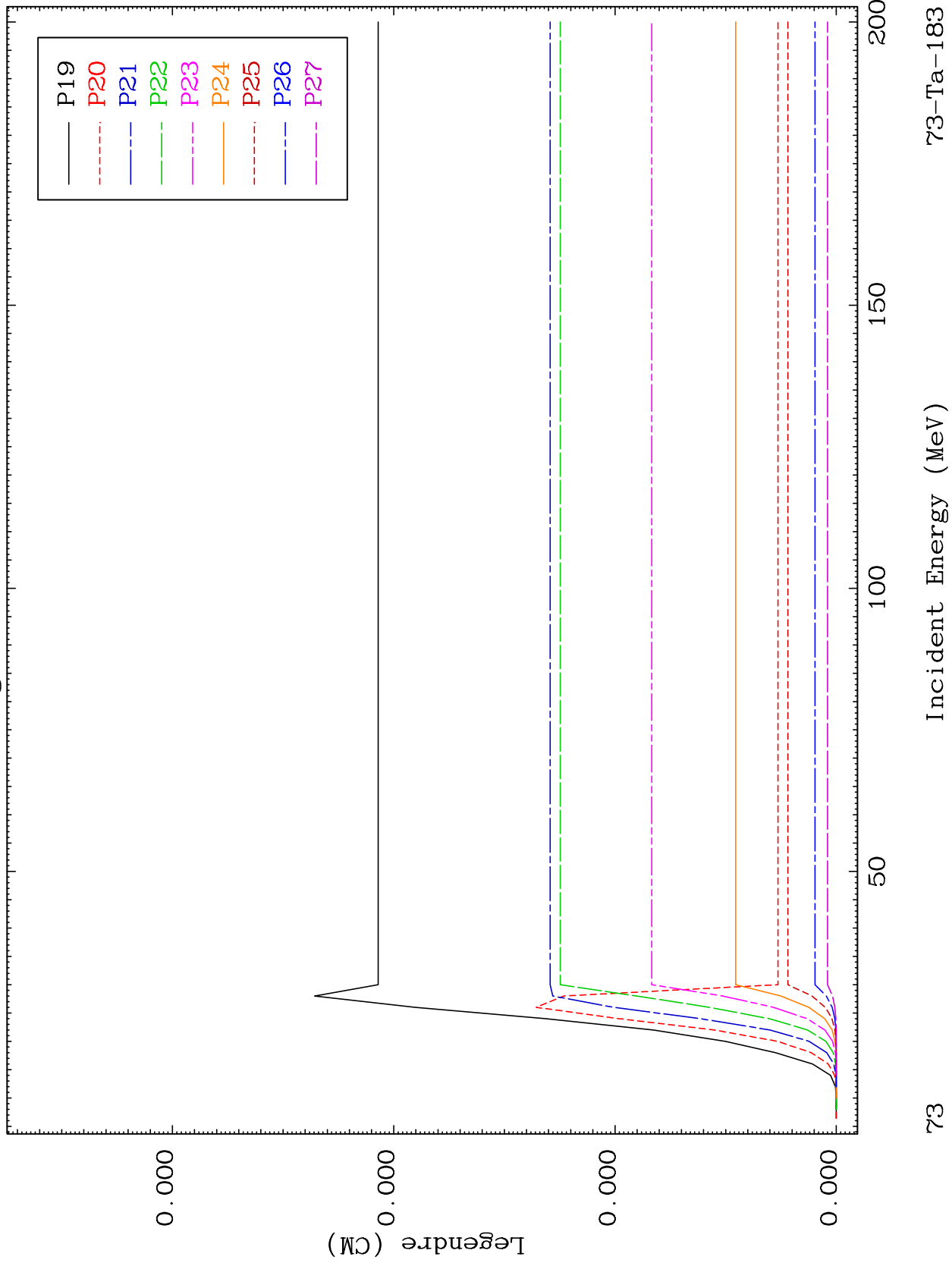
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



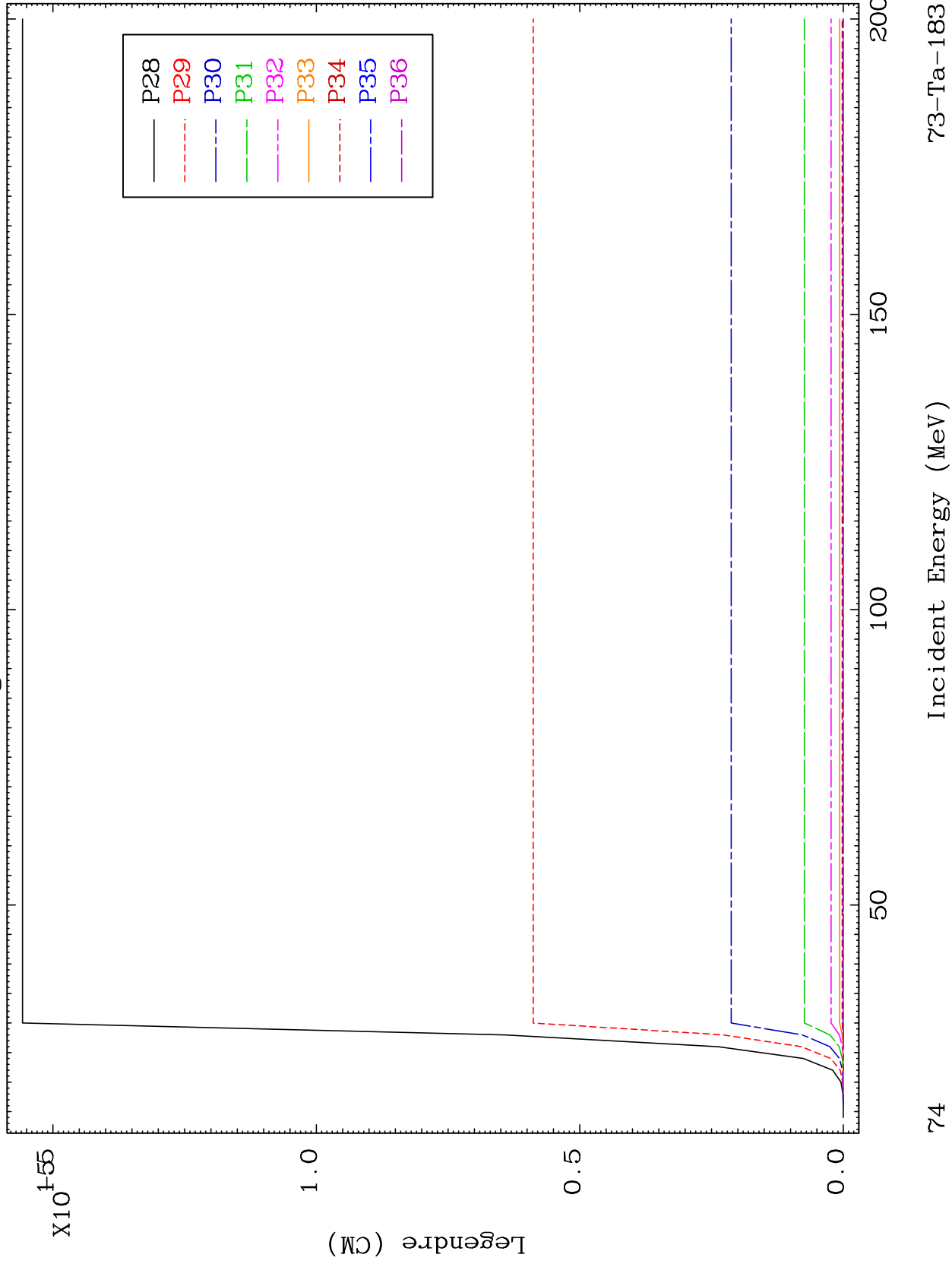
73

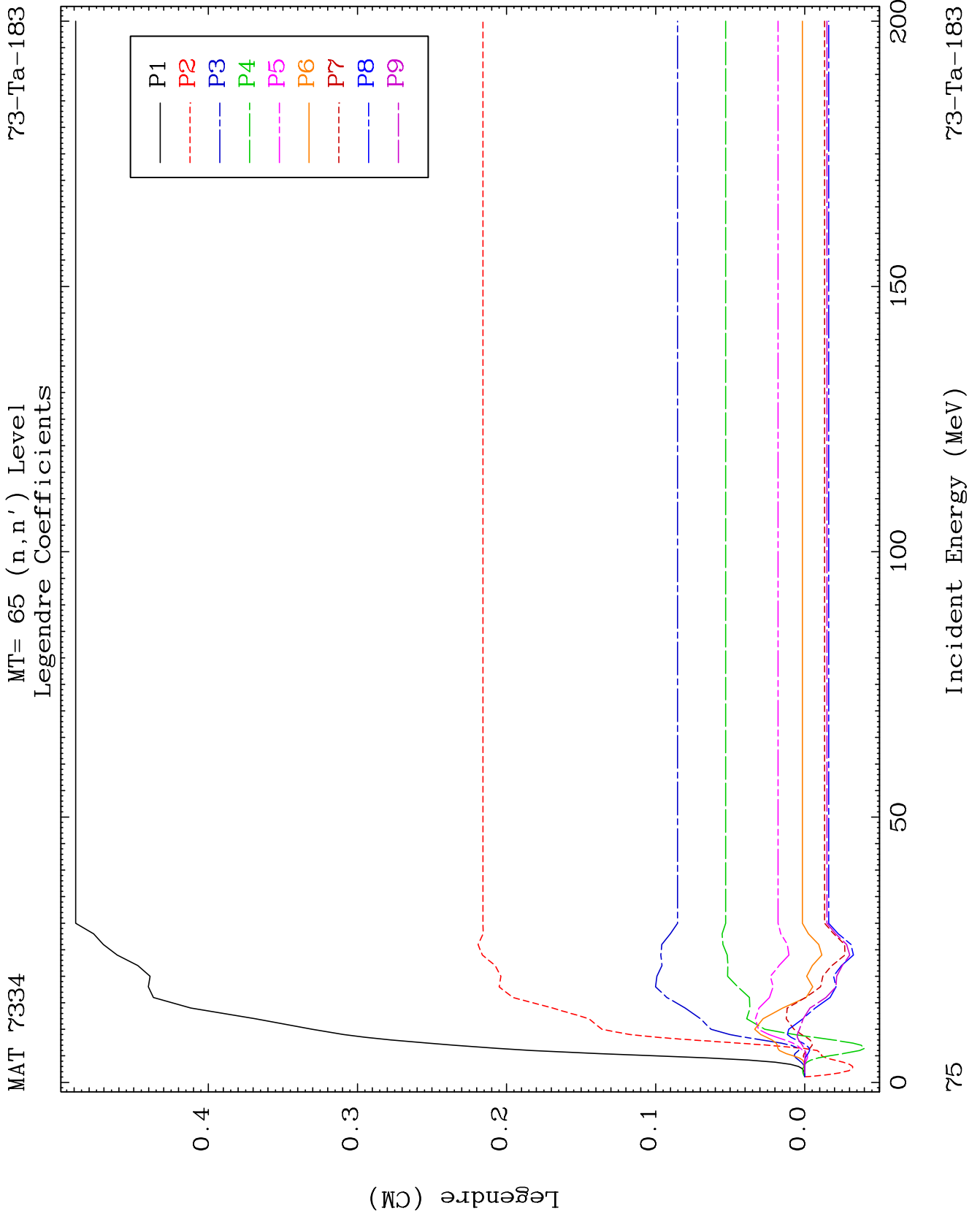
73-Ta-183

MAT 7334

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

73-Ta-183

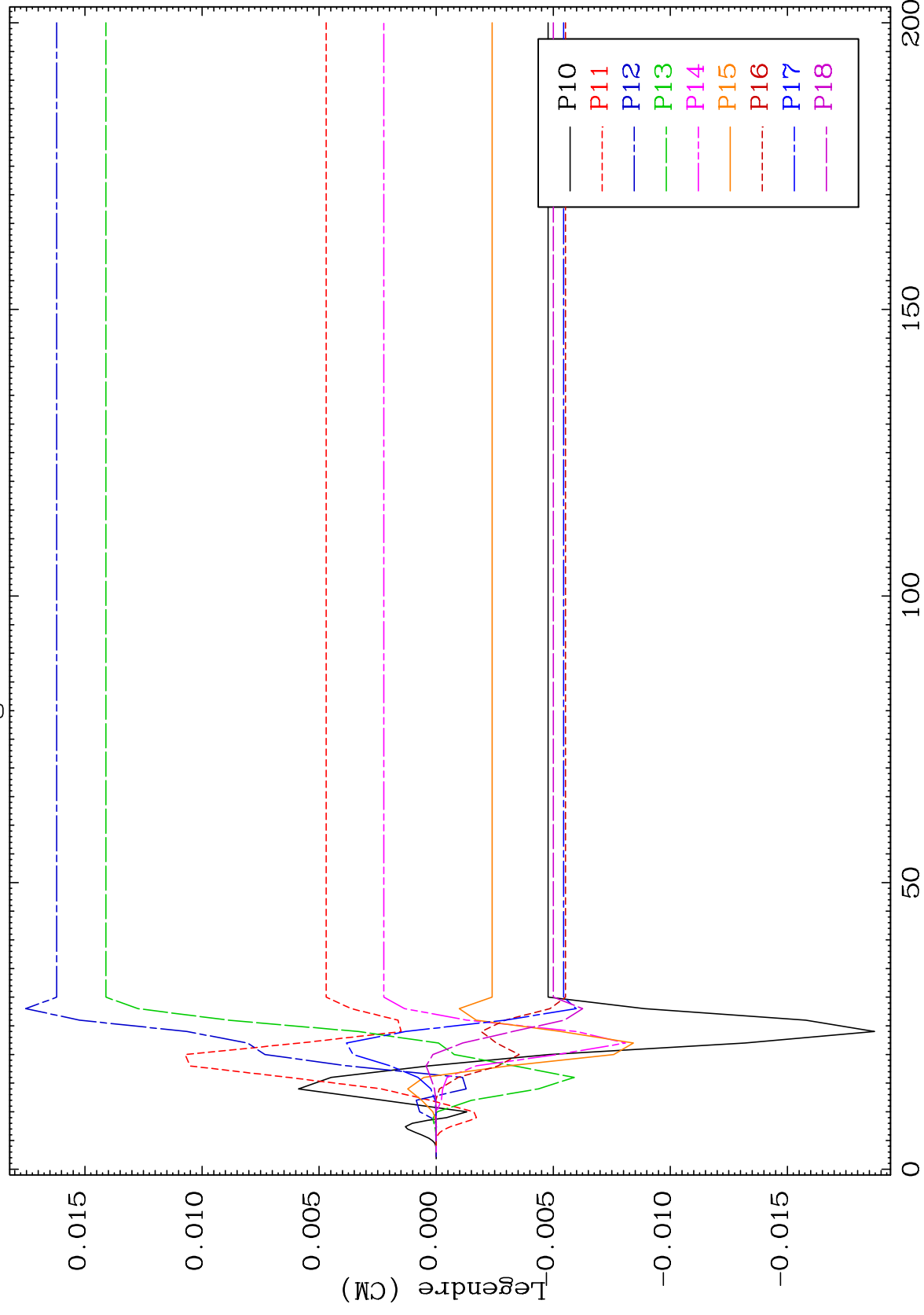




MAT 7334

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

73-Ta-183



76

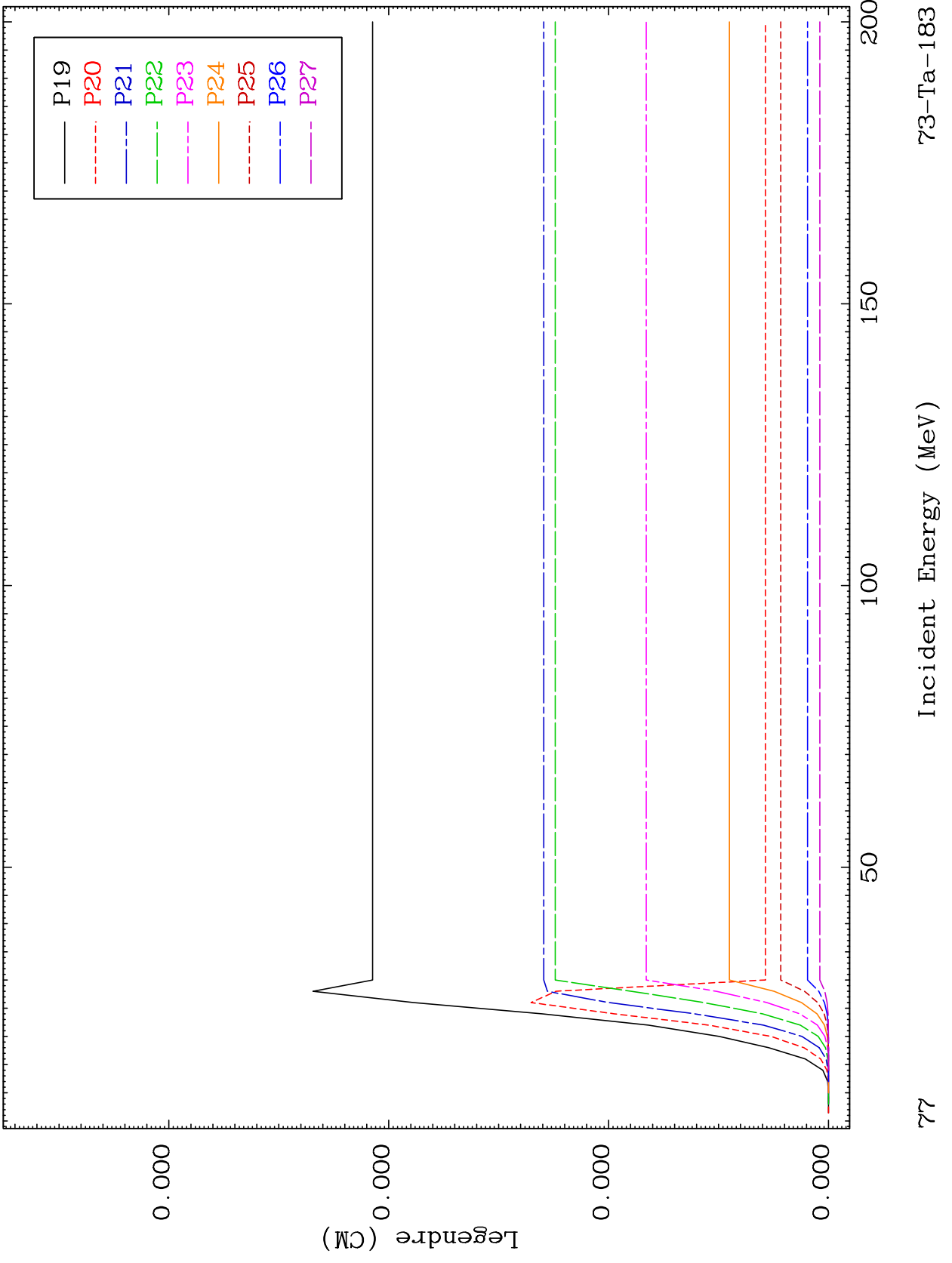
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



77

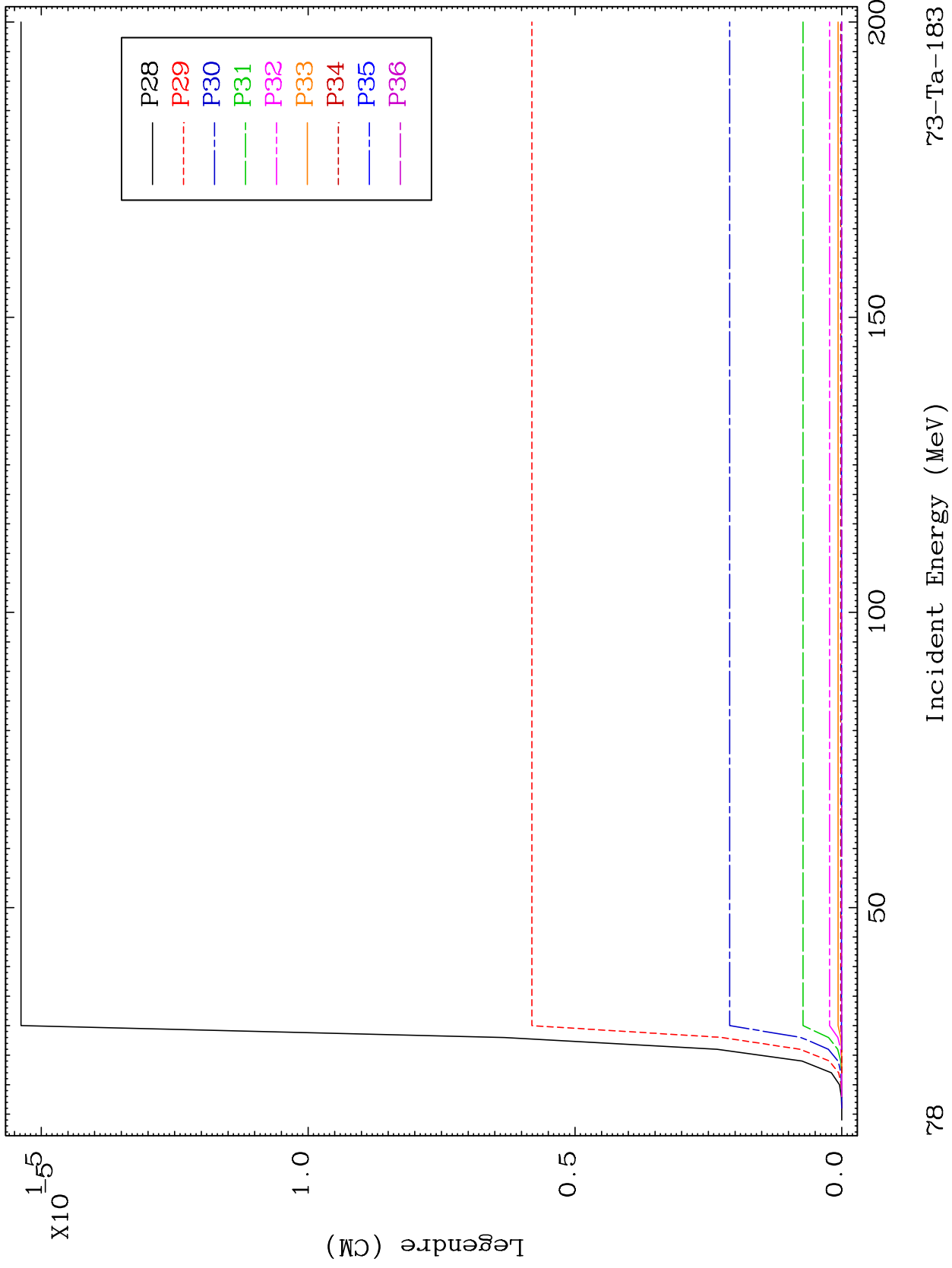
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



78

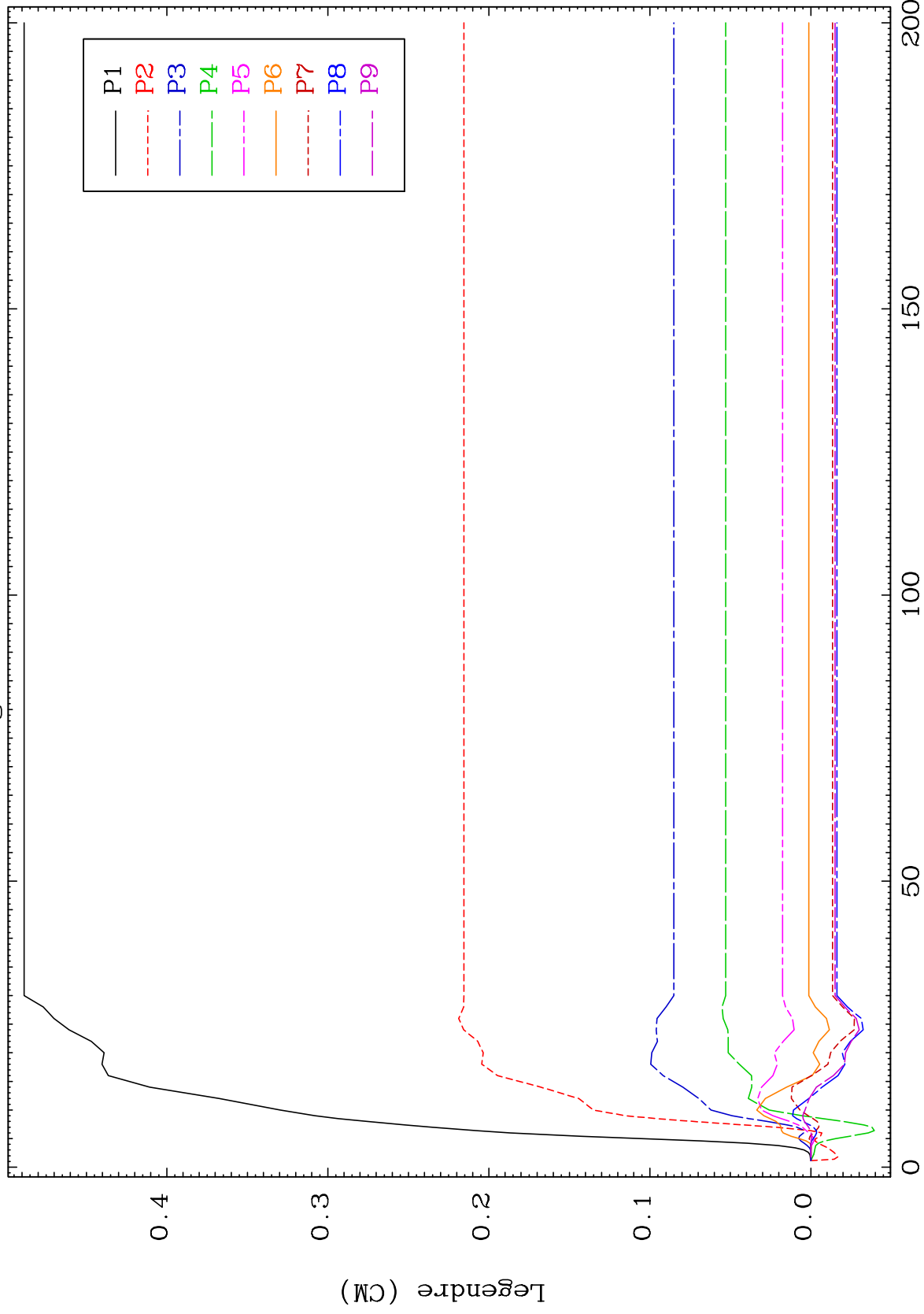
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



79

Incident Energy (MeV)

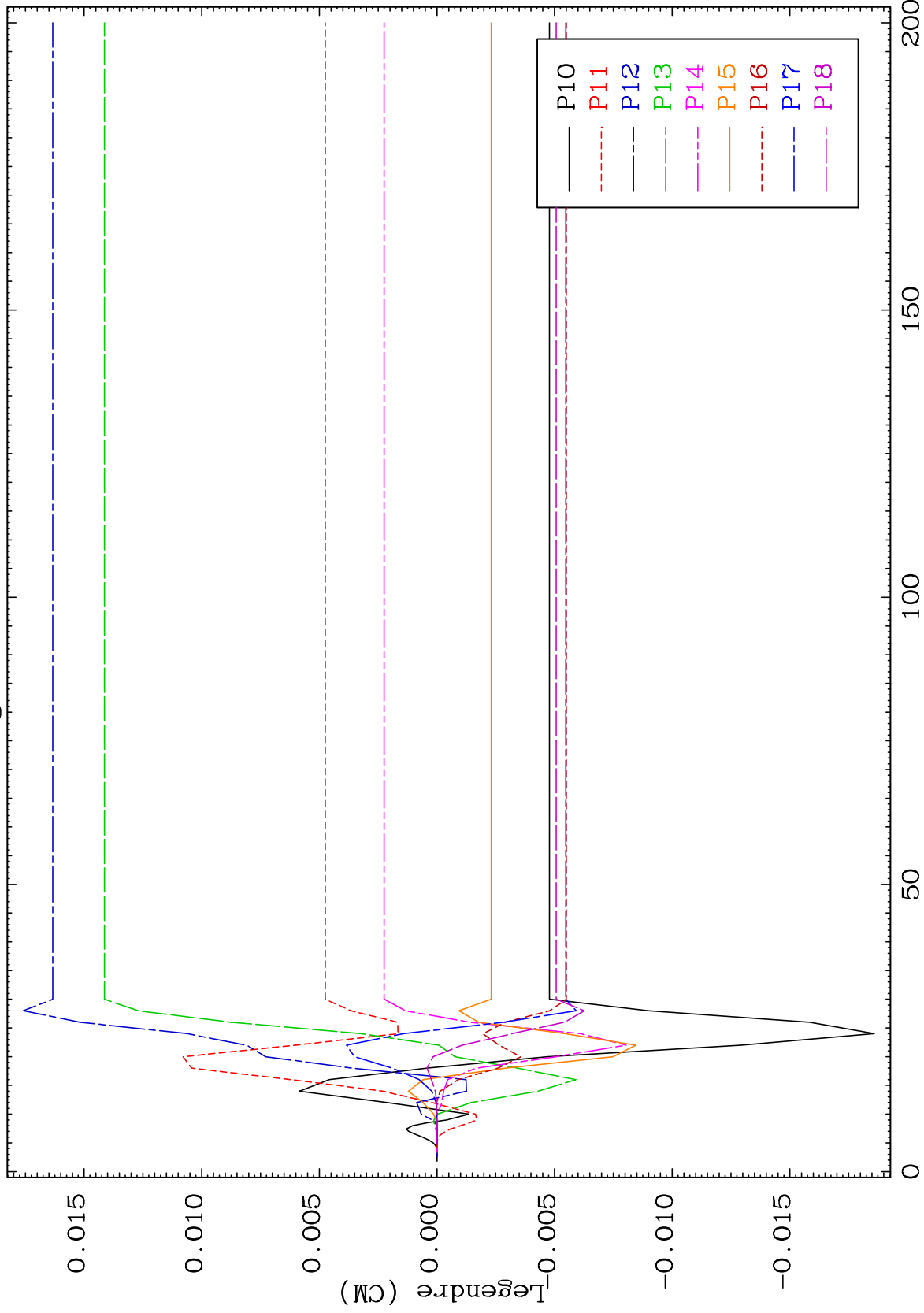
73-Ta-183



MAT 7334

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

73-Ta-183



80

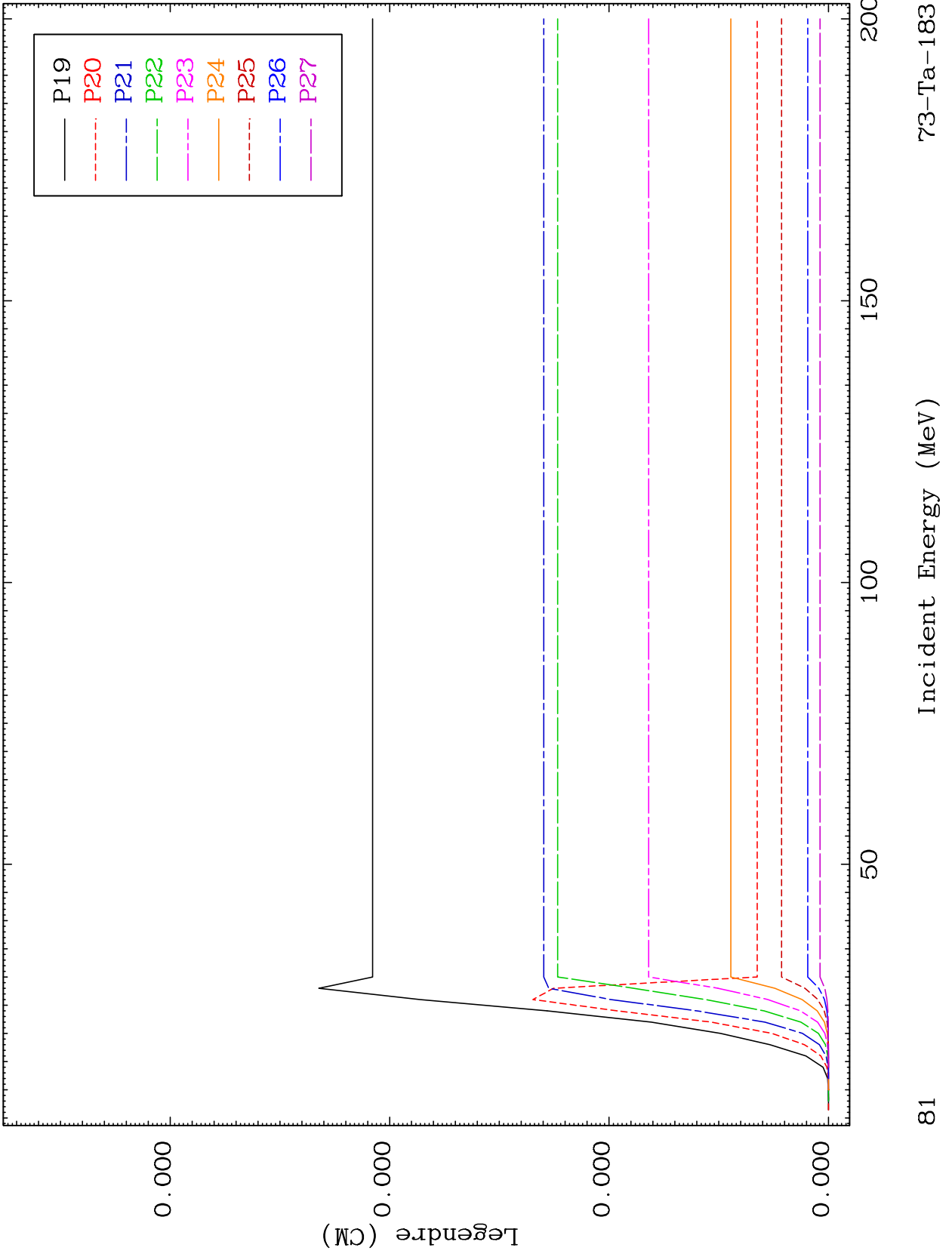
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



81

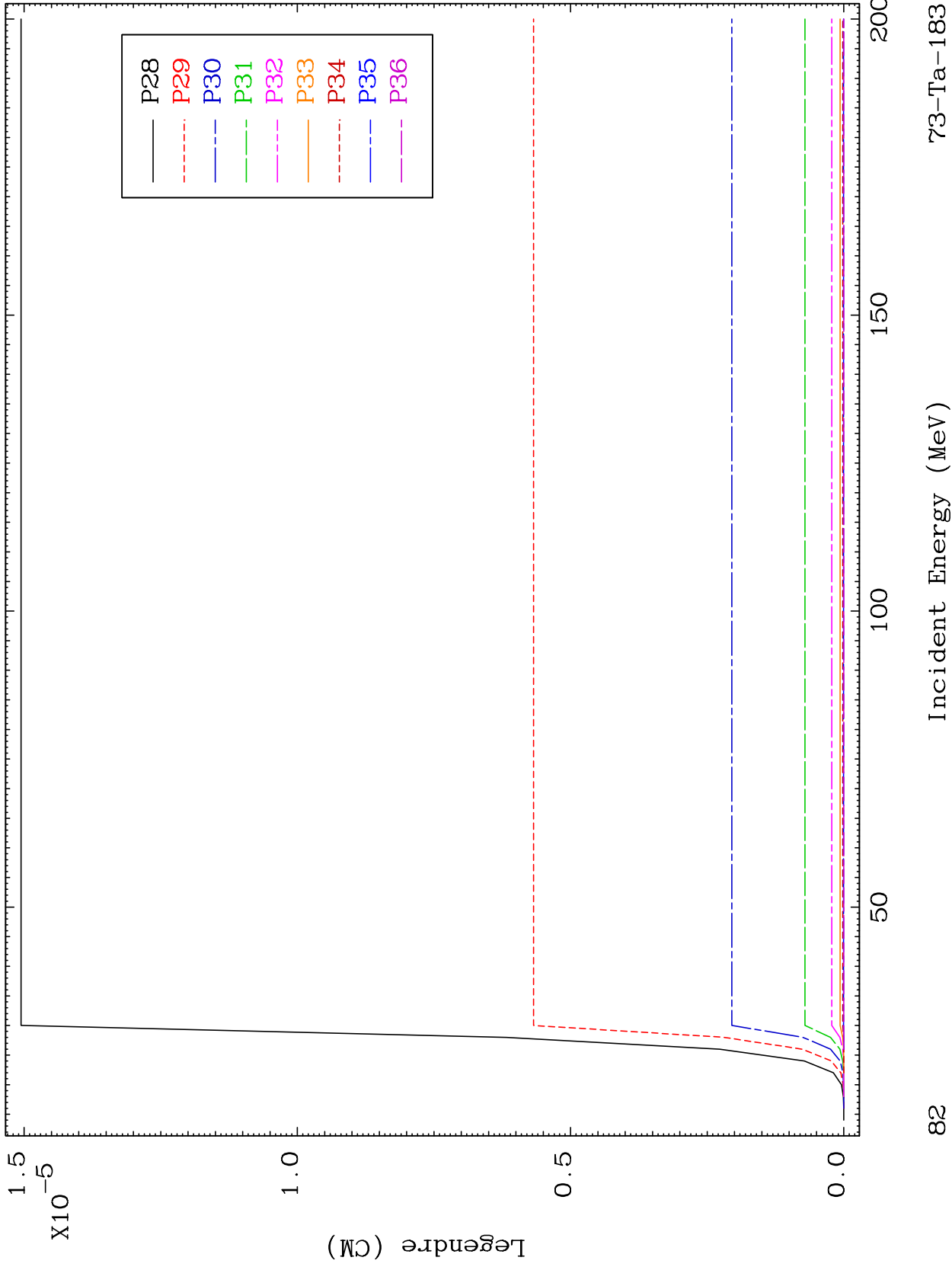
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



82

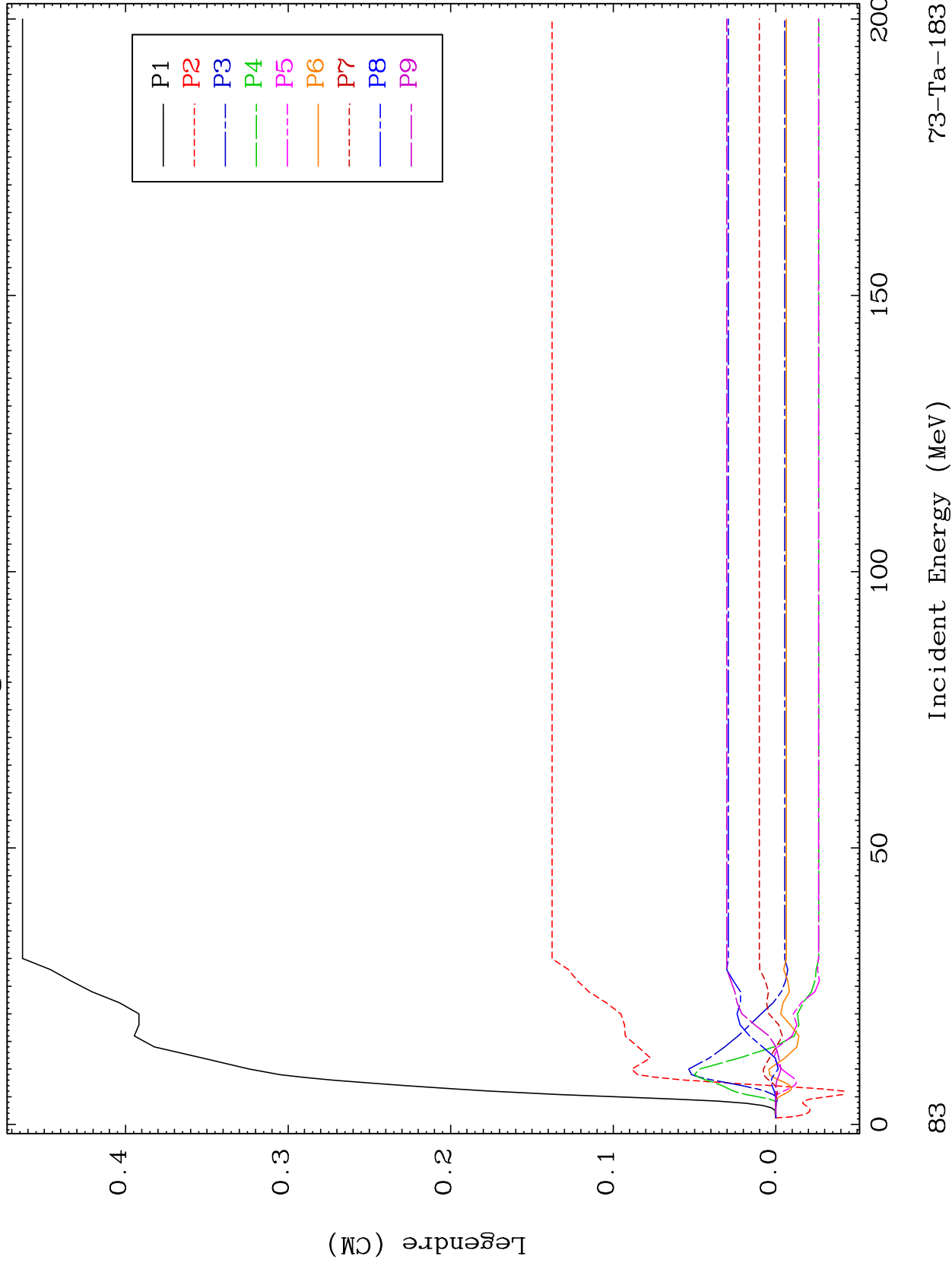
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

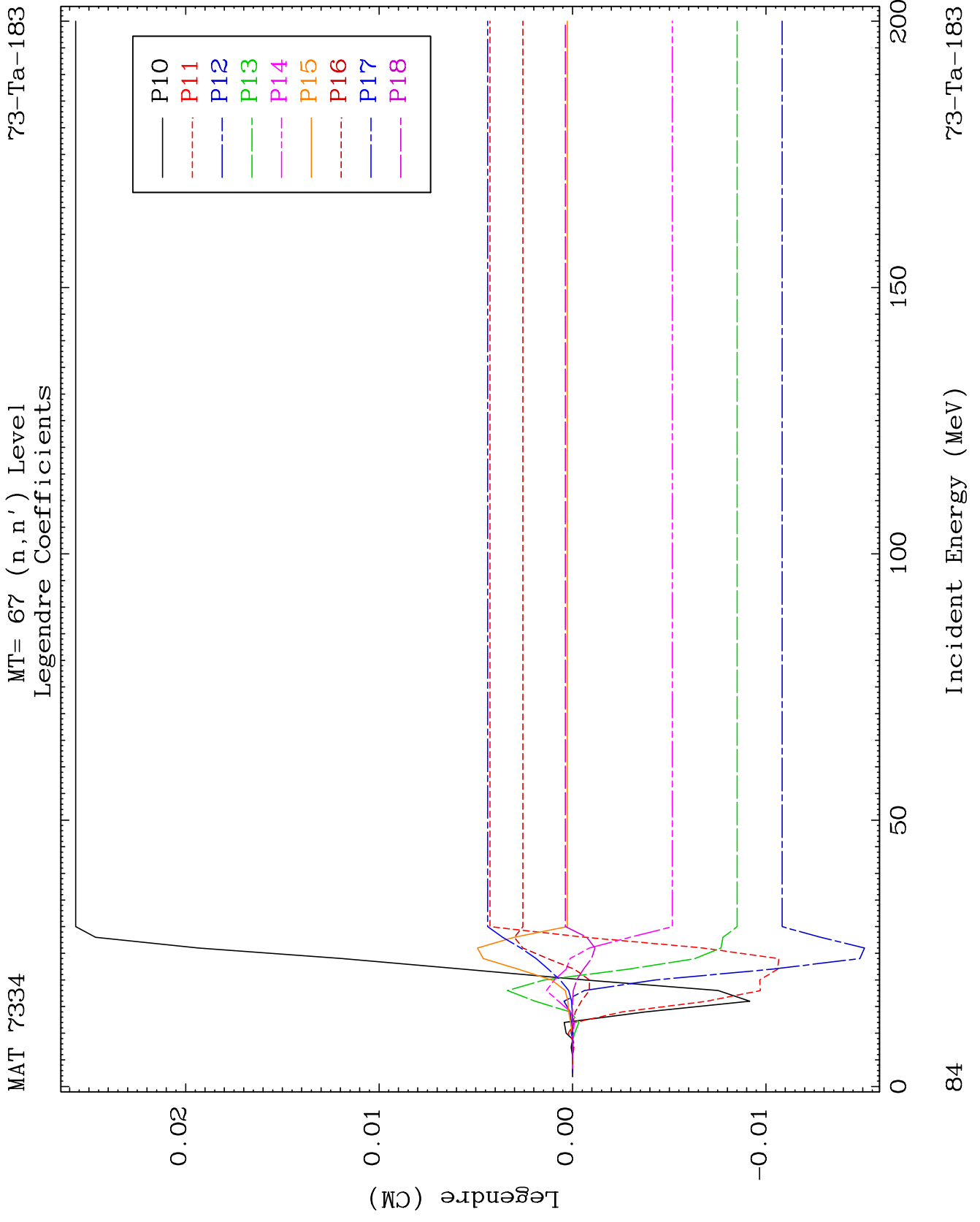
73-Ta-183



73-Ta-183

Incident Energy (MeV)

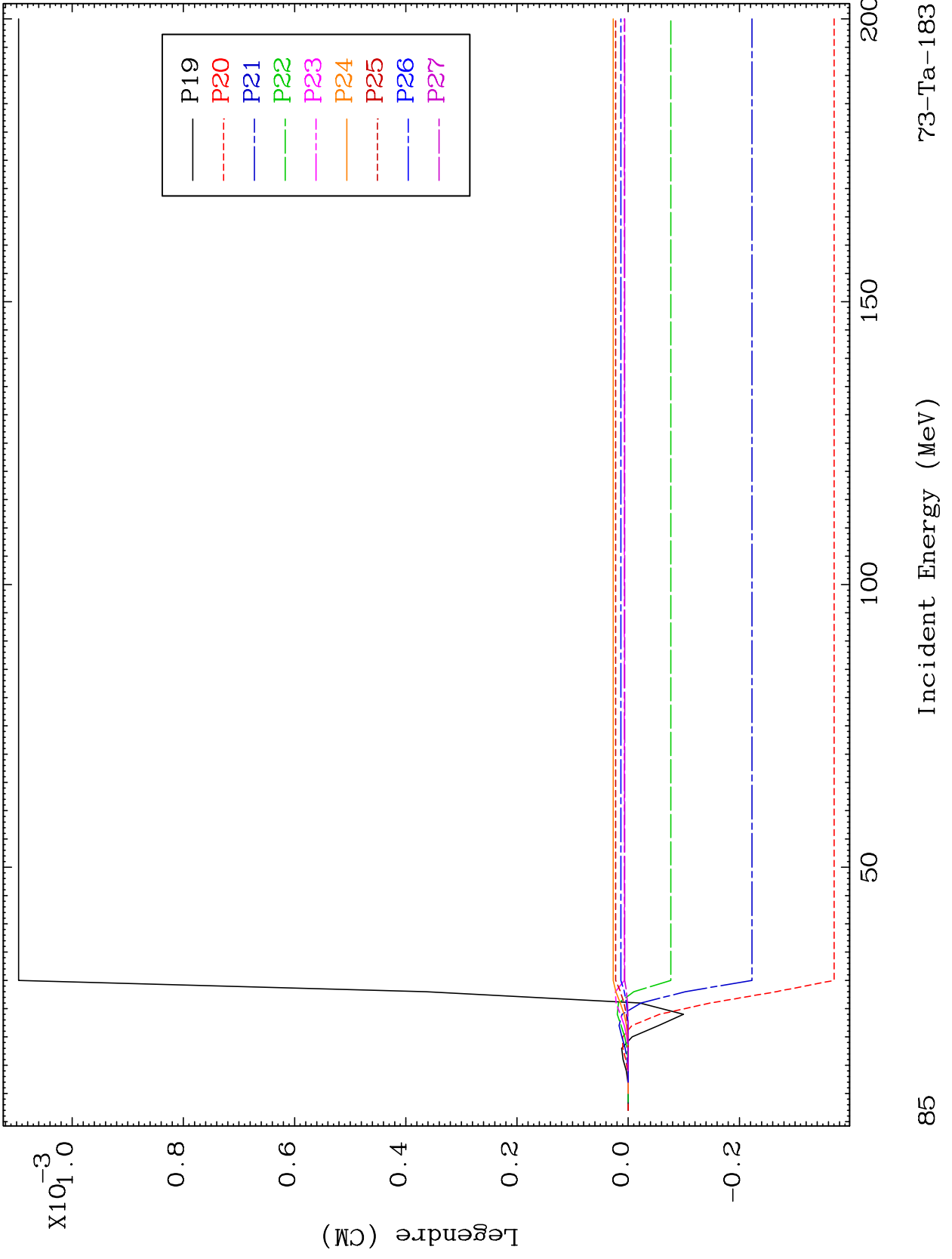
83



MAT 7334

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

73-Ta-183



85

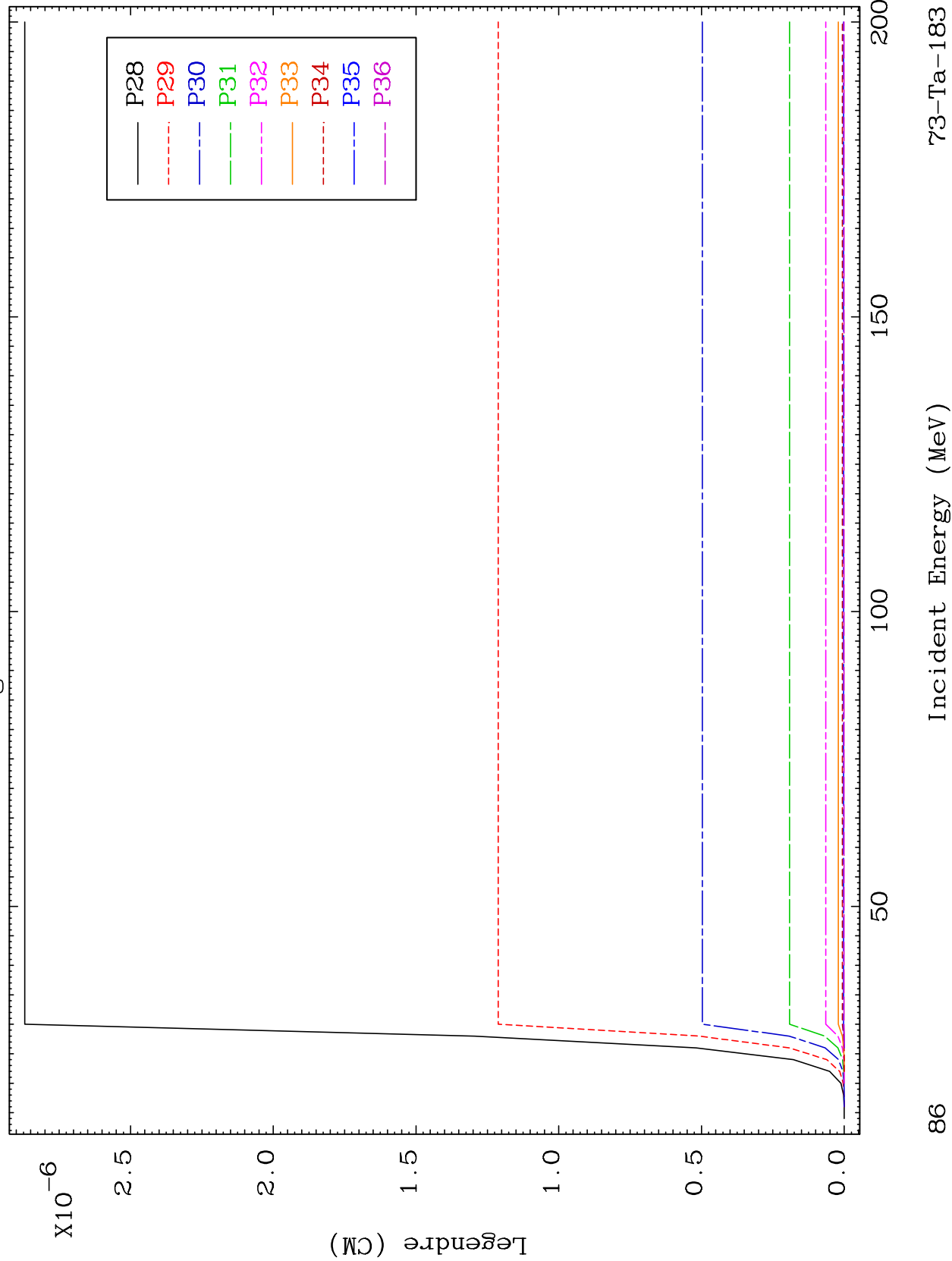
Incident Energy (MeV)

73-Ta-183

MAT 7334

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

73-Ta-183



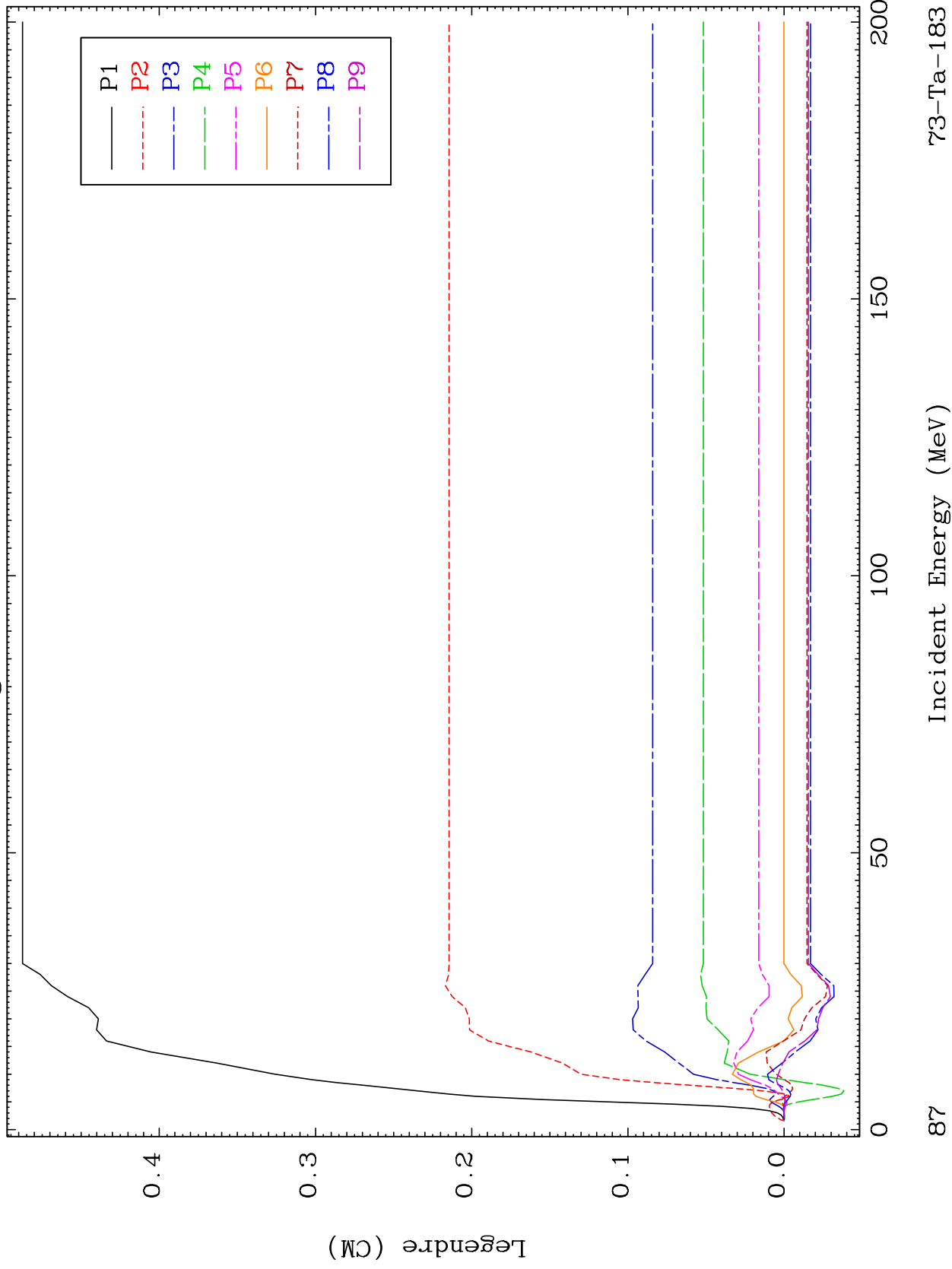
86

73-Ta-183

MAT 7334

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

73-Ta-183



73-Ta-183

Incident Energy (MeV)

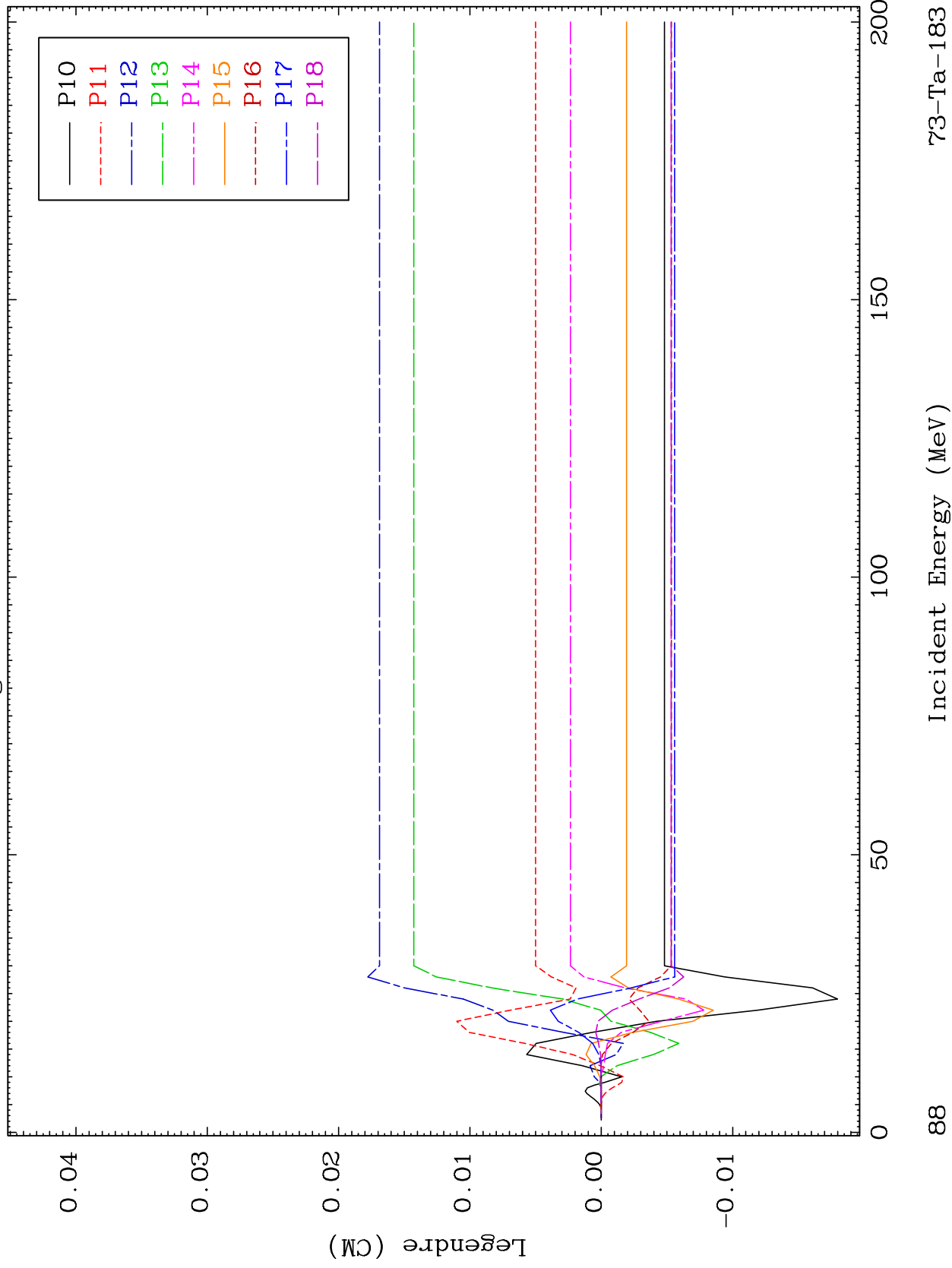
87



MAT 7334

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

73-Ta-183



73-Ta-183

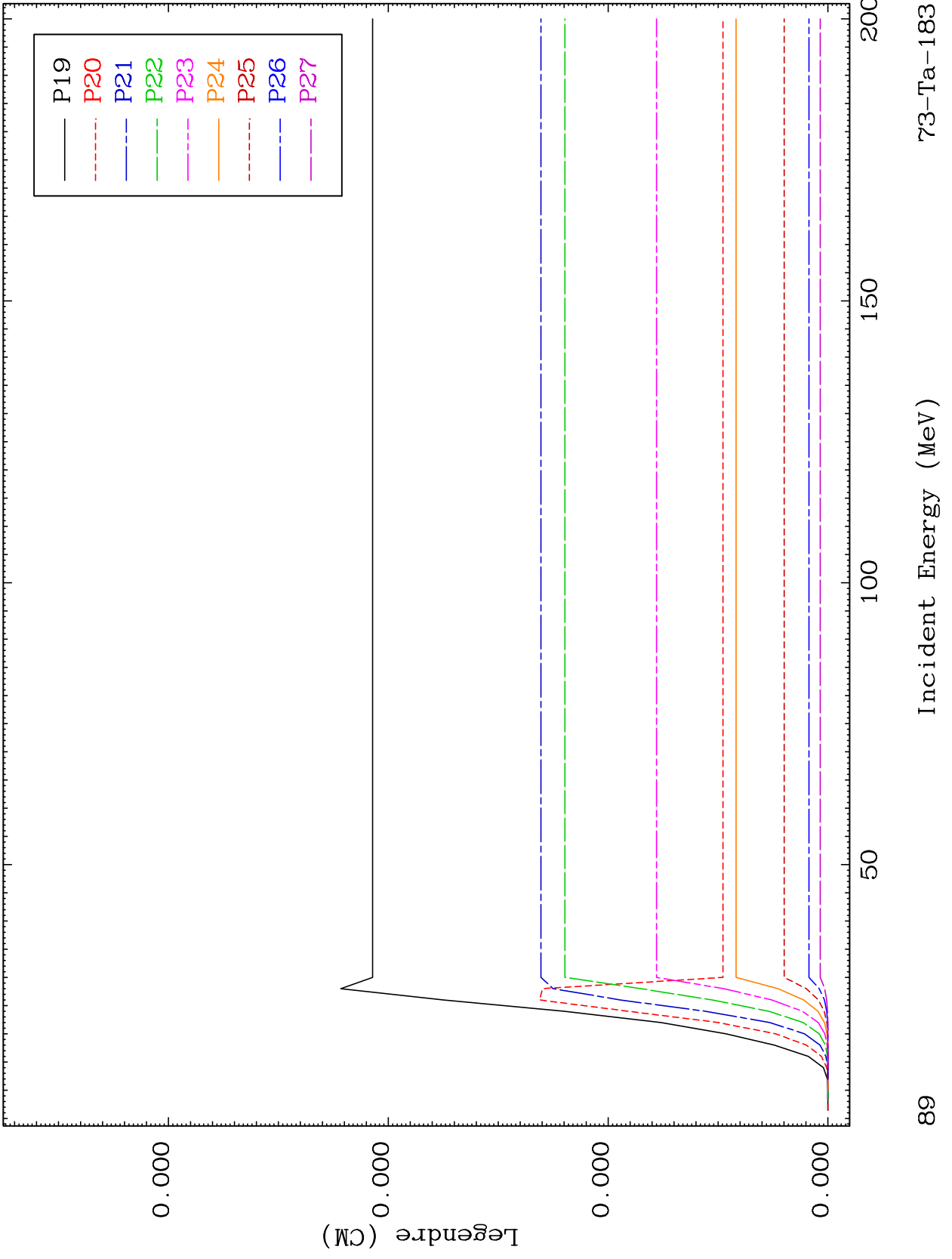
Incident Energy (MeV)

88

MAT 7334

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

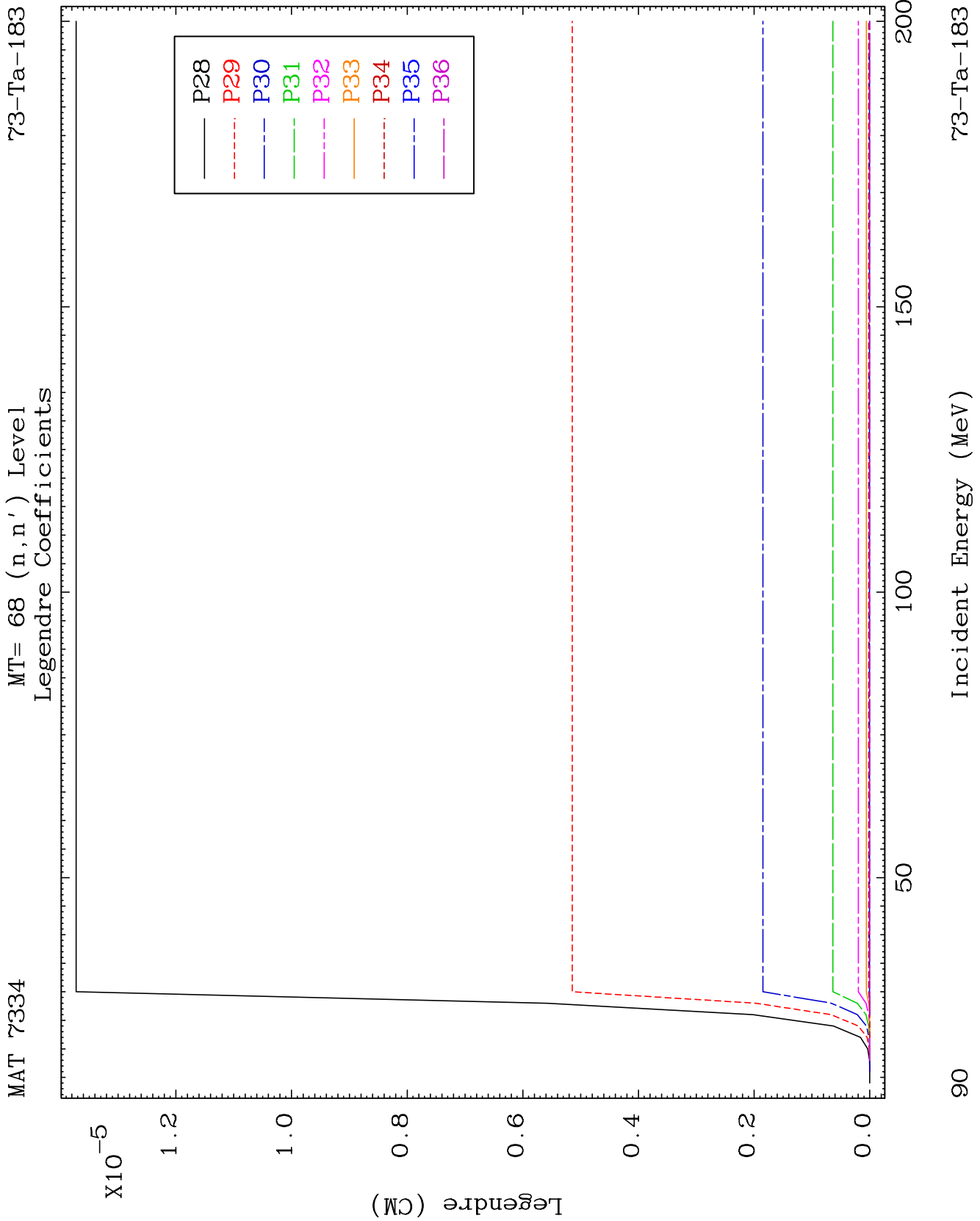
73-Ta-183



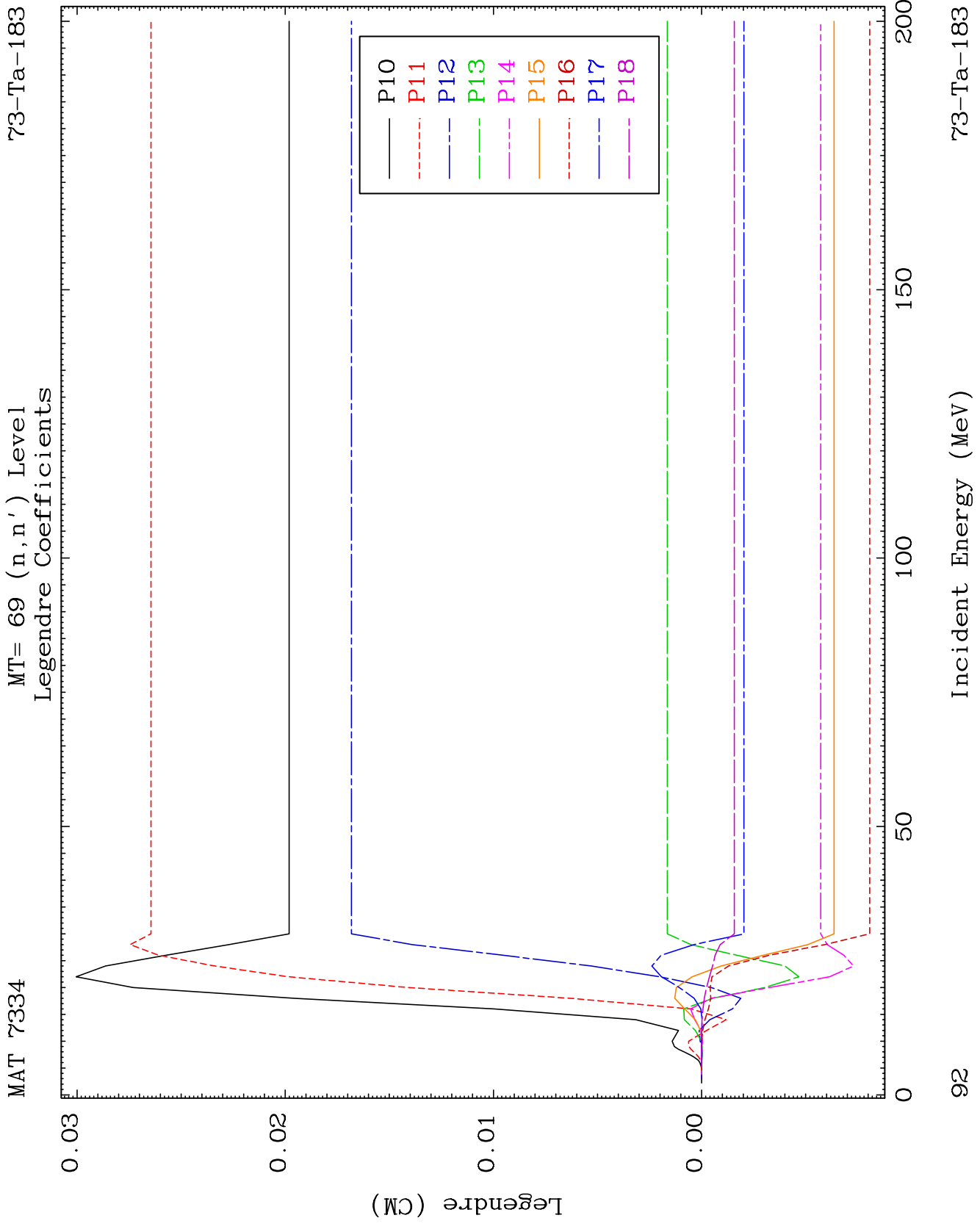
89

Incident Energy (MeV)

73-Ta-183



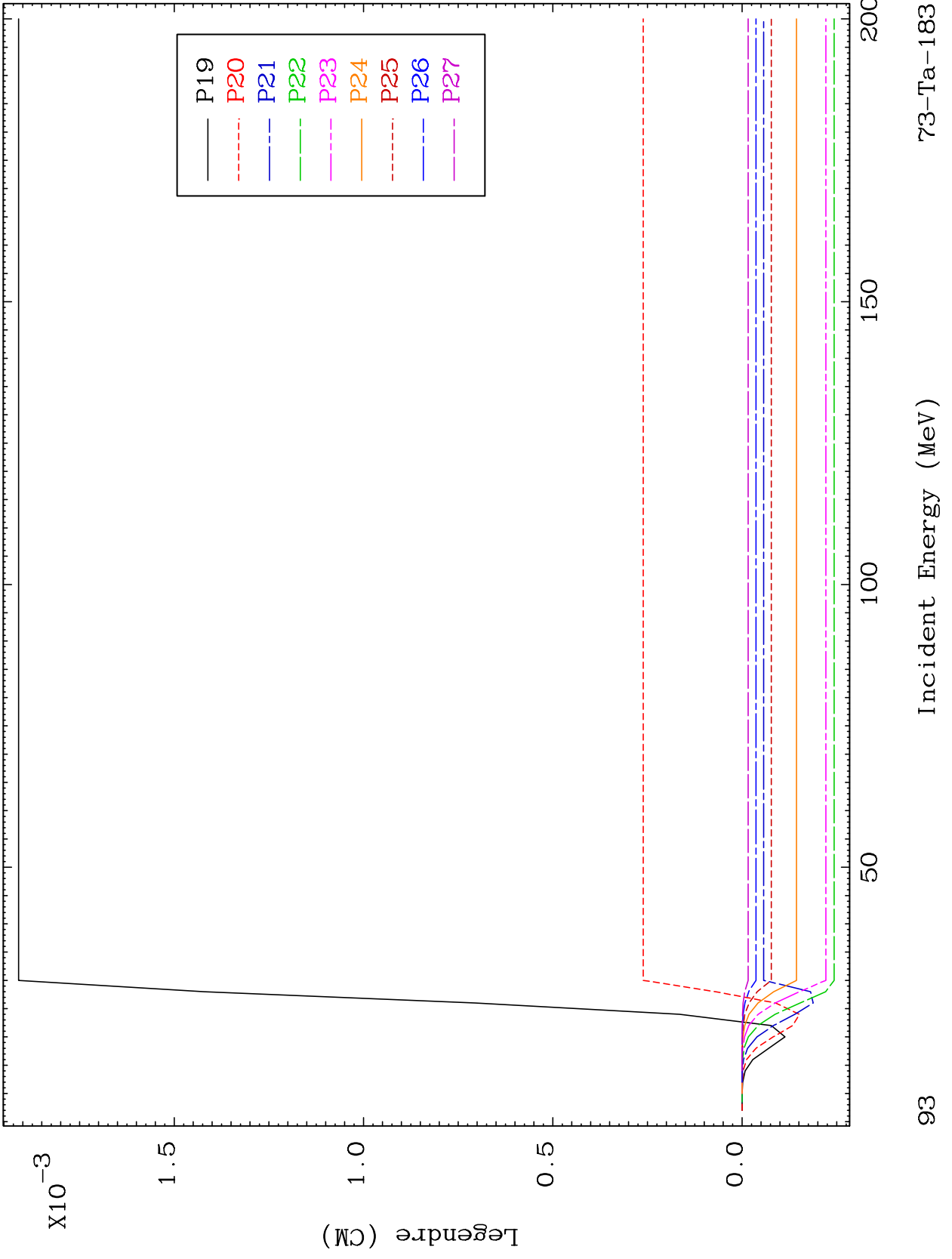




MAT 7334

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

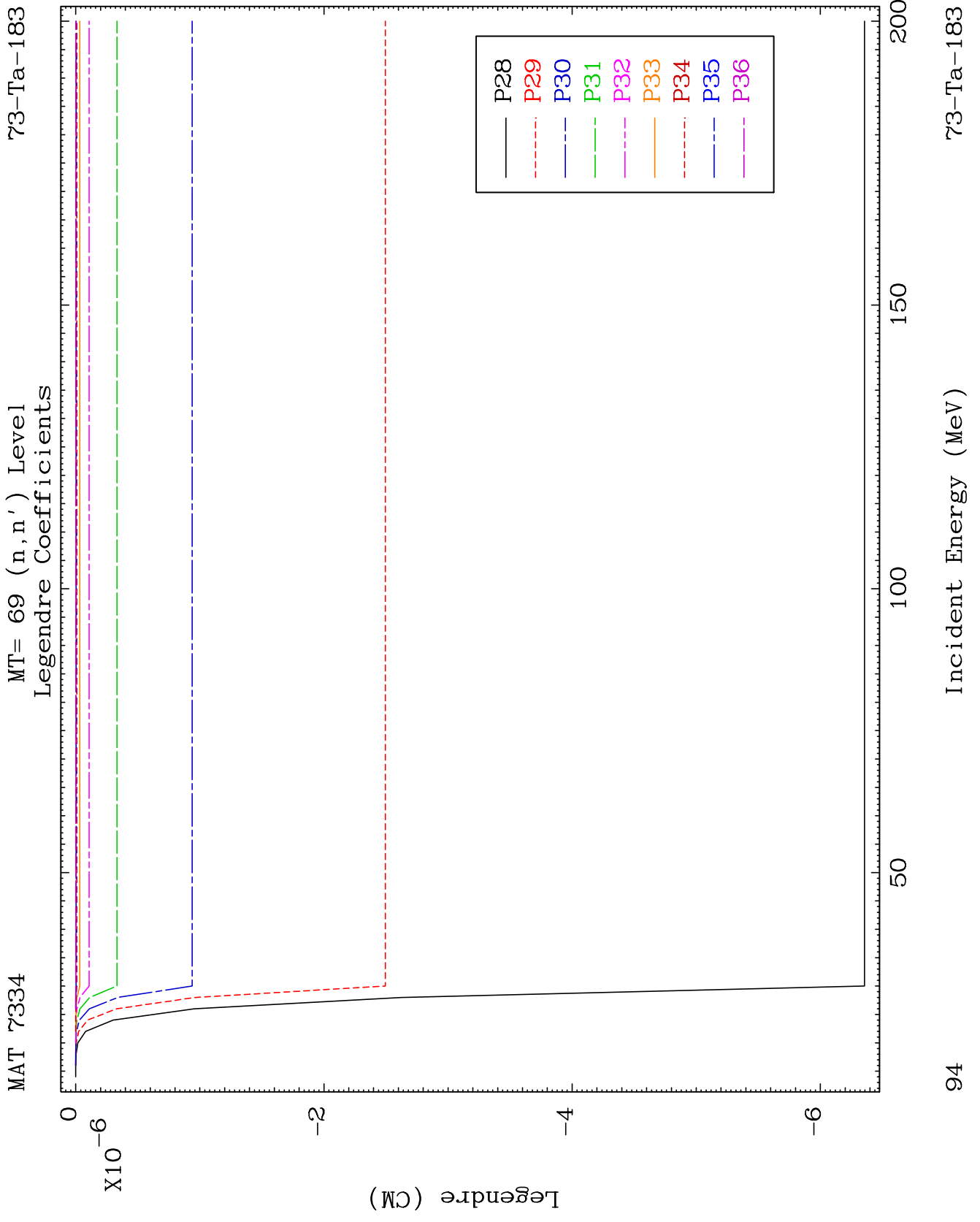
73-Ta-183



93

Incident Energy (MeV)

73-Ta-183

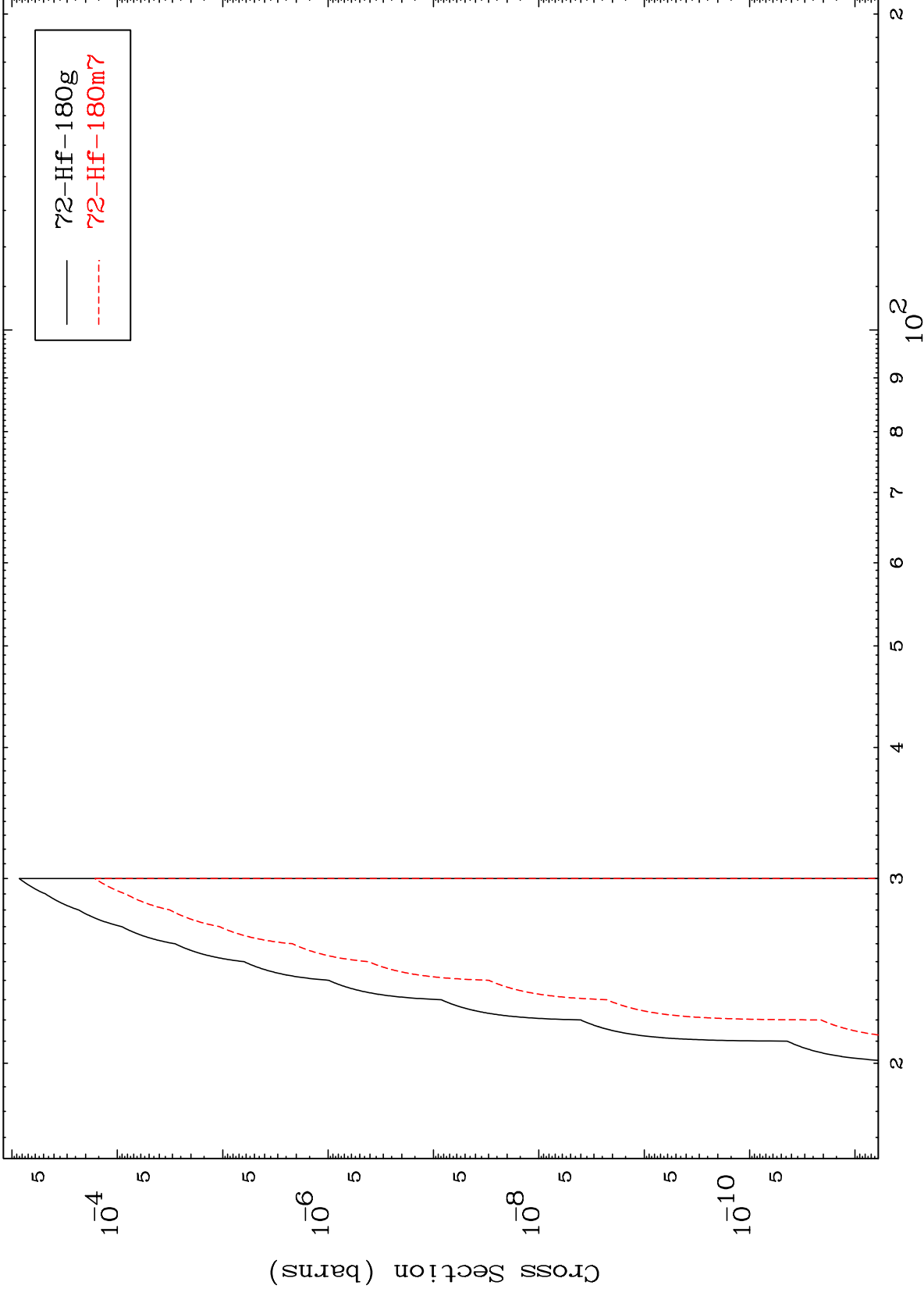


MAT 7334

(n,2n) d

73-Ta-183

Radionuclide Production Cross Section

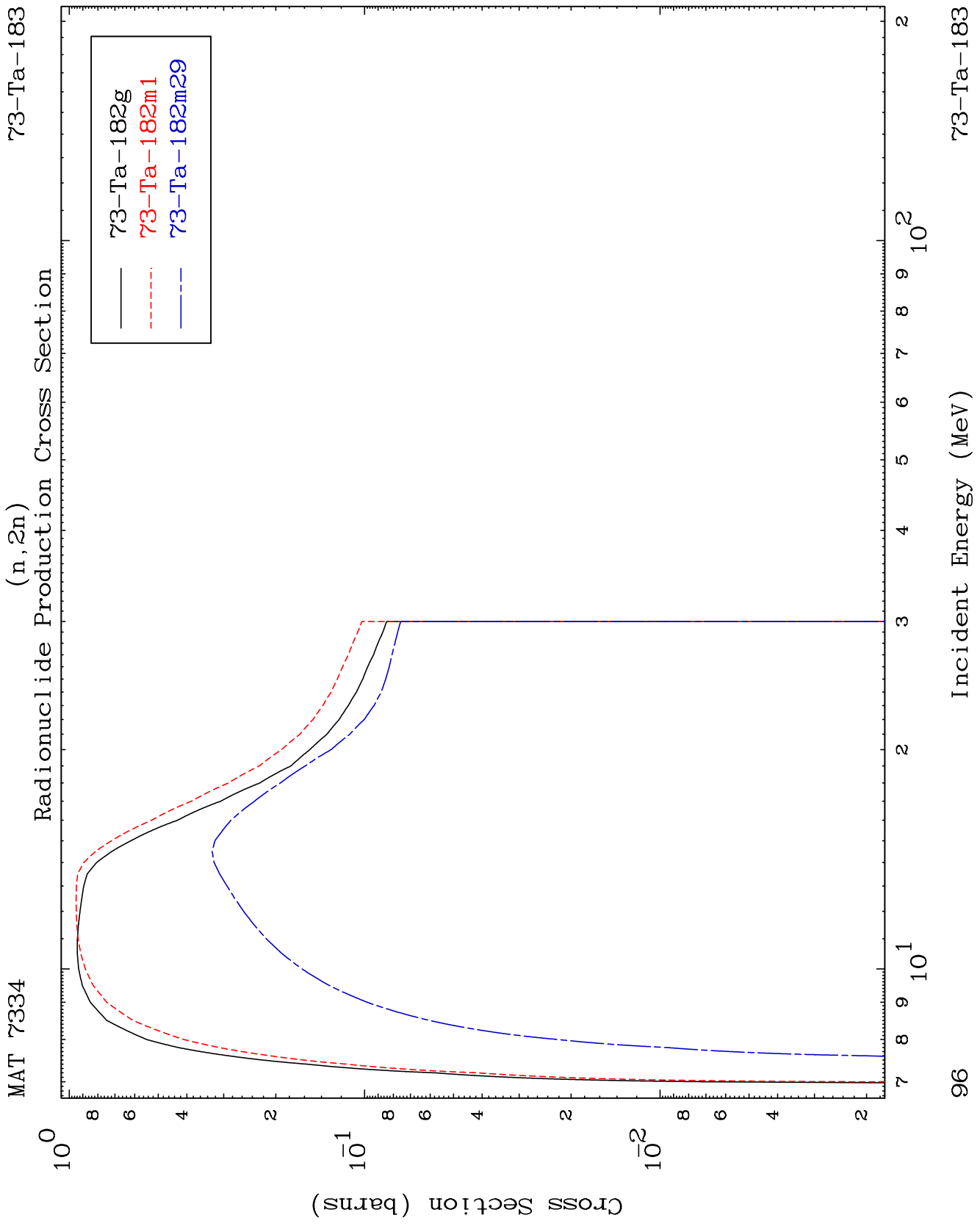


95

Incident Energy (MeV)

73-Ta-183



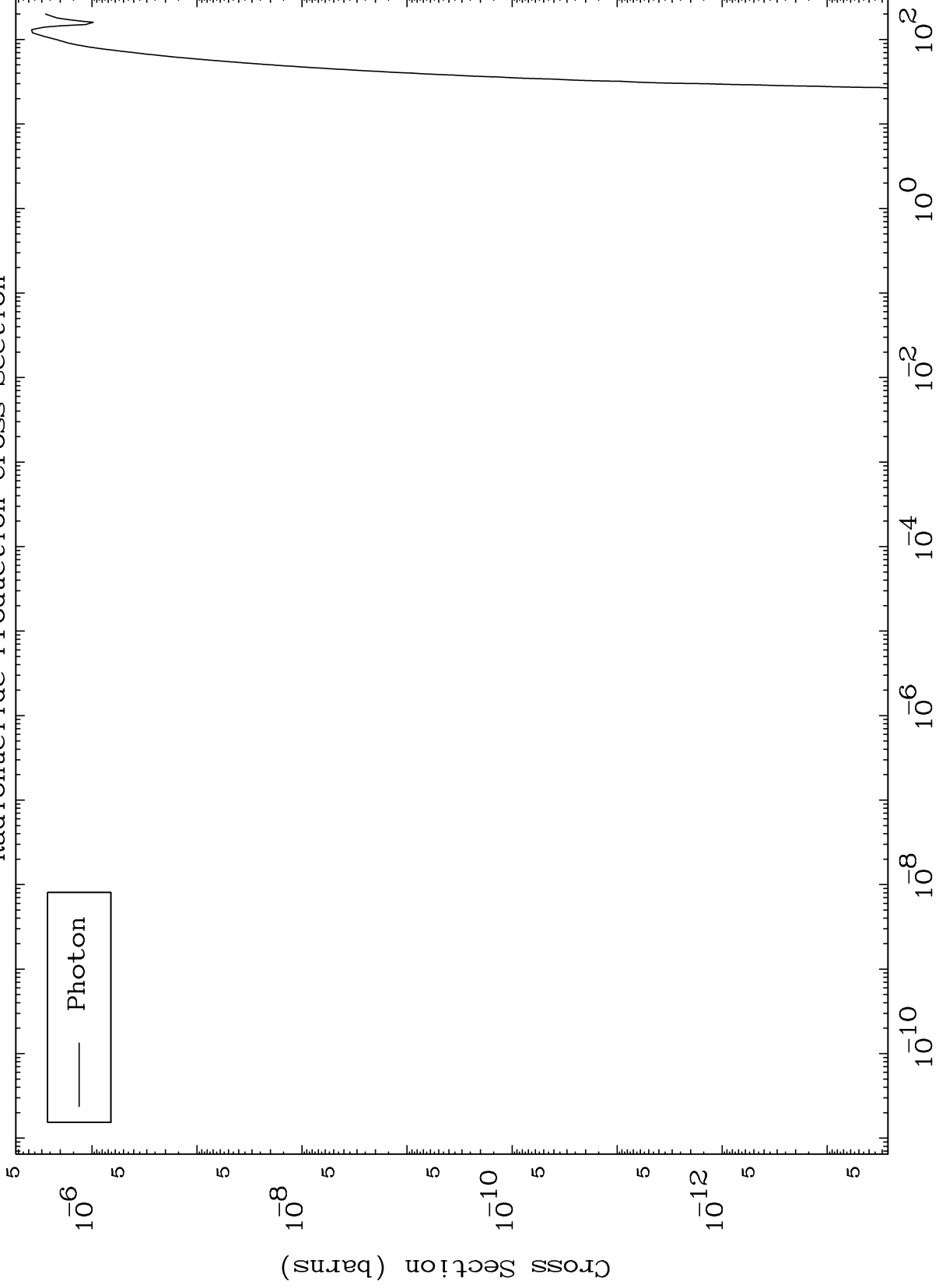


MAT 7334

Fission

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



97

Incident Energy (MeV)

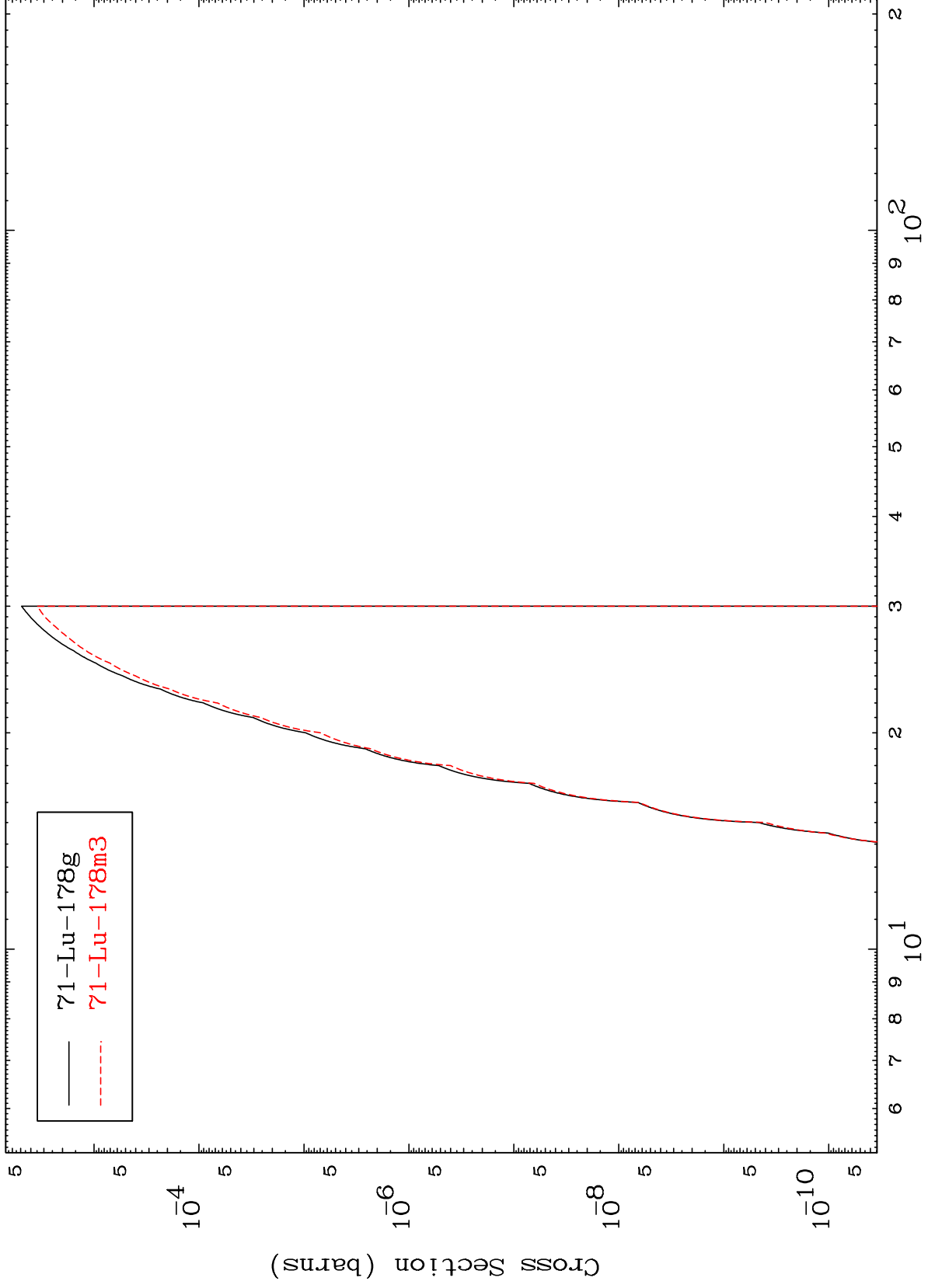
<sup>73</sup>Ta-183

MAT 7334

$(n,2n) \alpha$

$^{73}\text{Ta-183}$

Radionuclide Production Cross Section



98

Incident Energy (MeV)

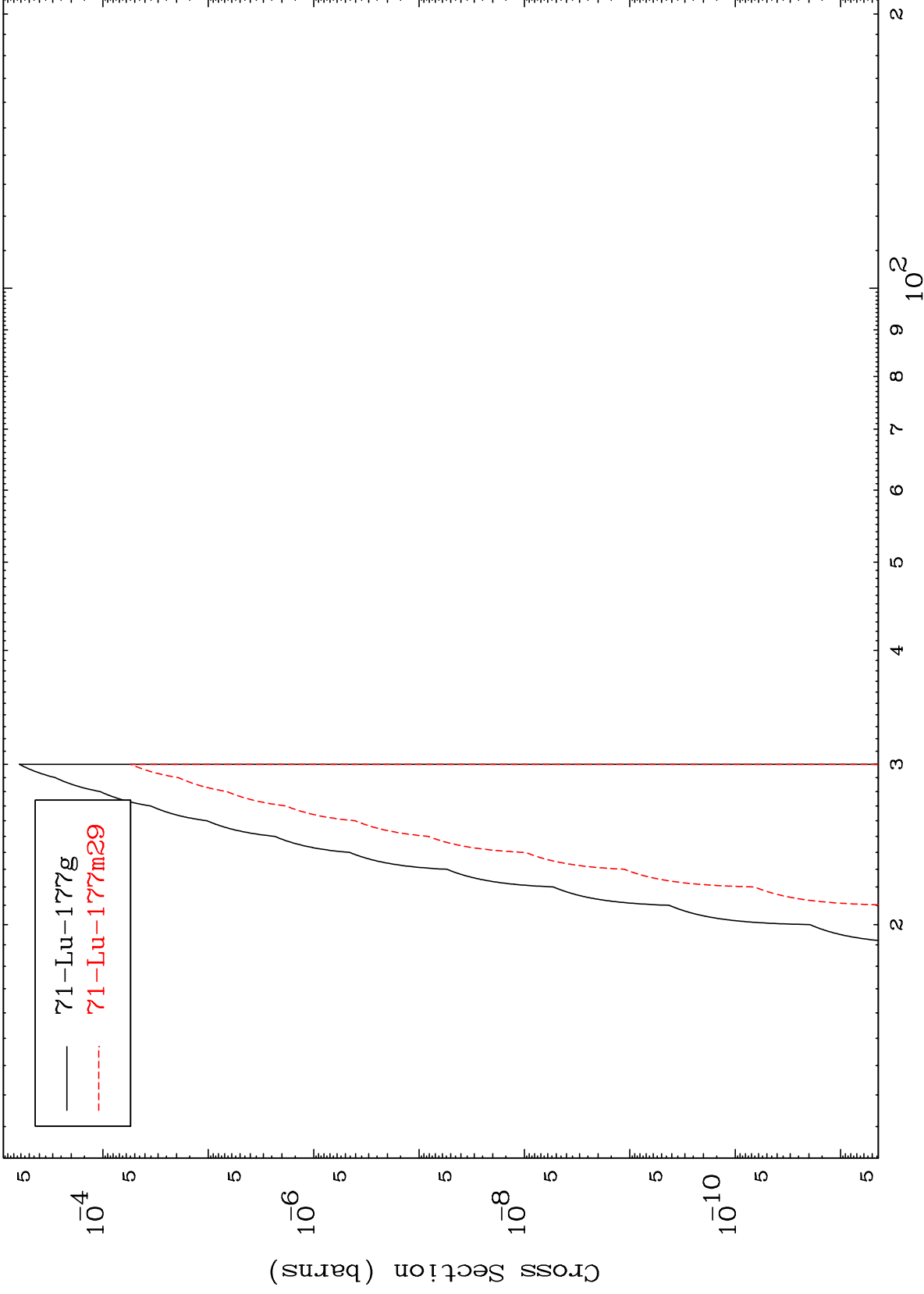
$^{73}\text{Ta-183}$

MAT 7334

(n,3n)  $\alpha$

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



99

Incident Energy (MeV)

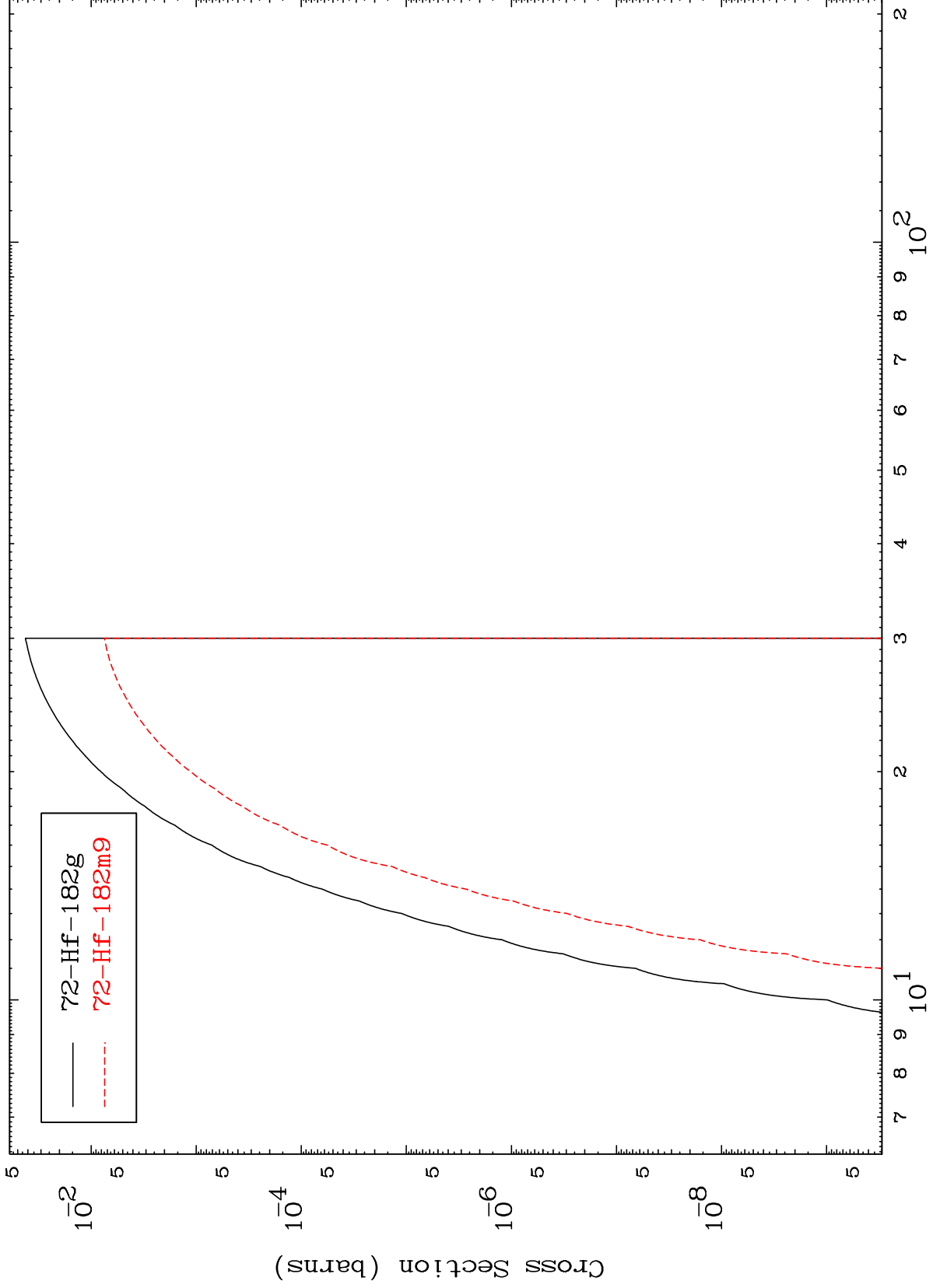
<sup>73</sup>Ta-183

MAT 7334

(n,n') p

73-Ta-183

Radionuclide Production Cross Section



72-Hf-182g  
72-Hf-182m9

100

Incident Energy (MeV)

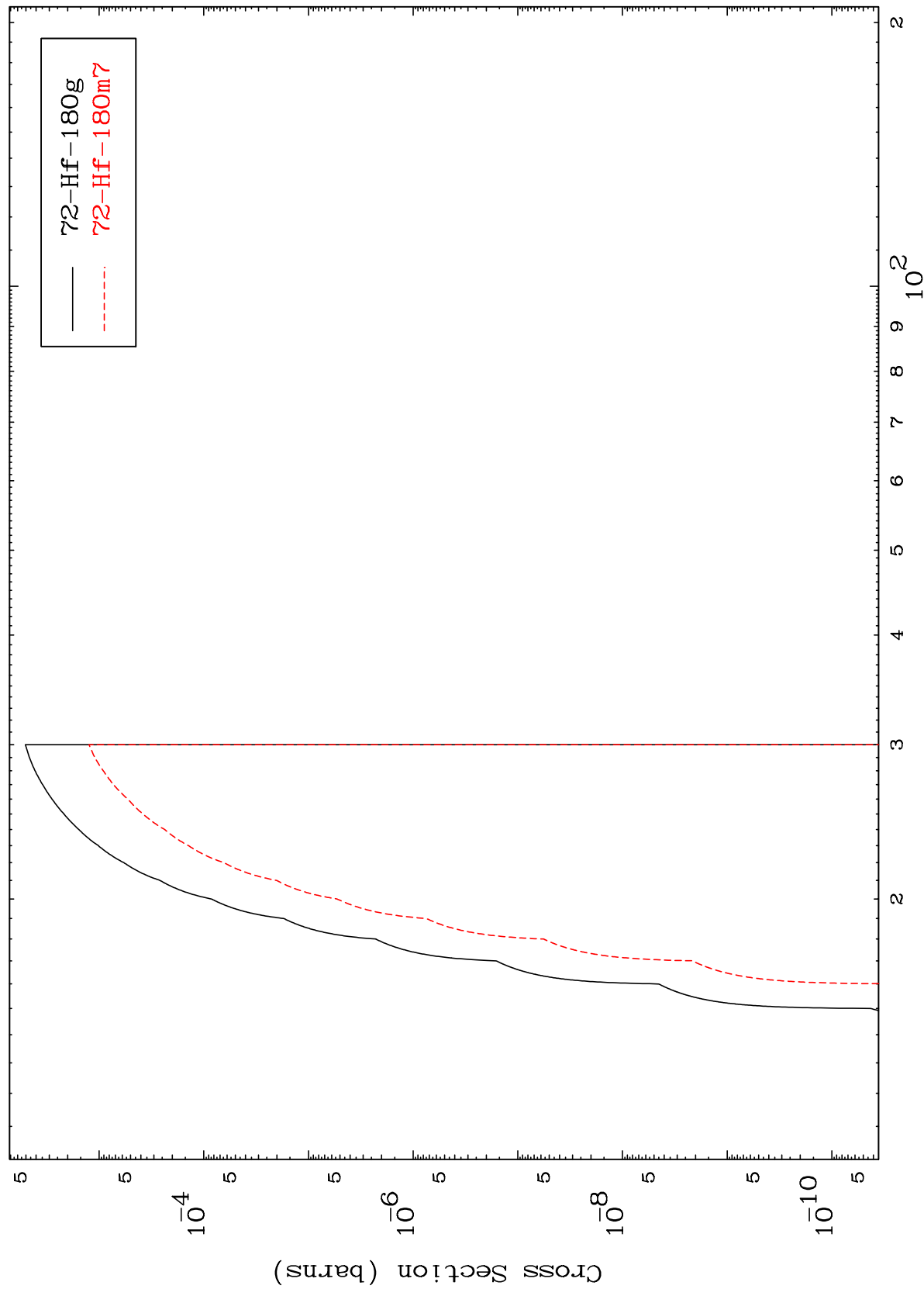
73-Ta-183

MAT 7334

(n,n') t

73-Ta-183

Radionuclide Production Cross Section



101

Incident Energy (MeV)

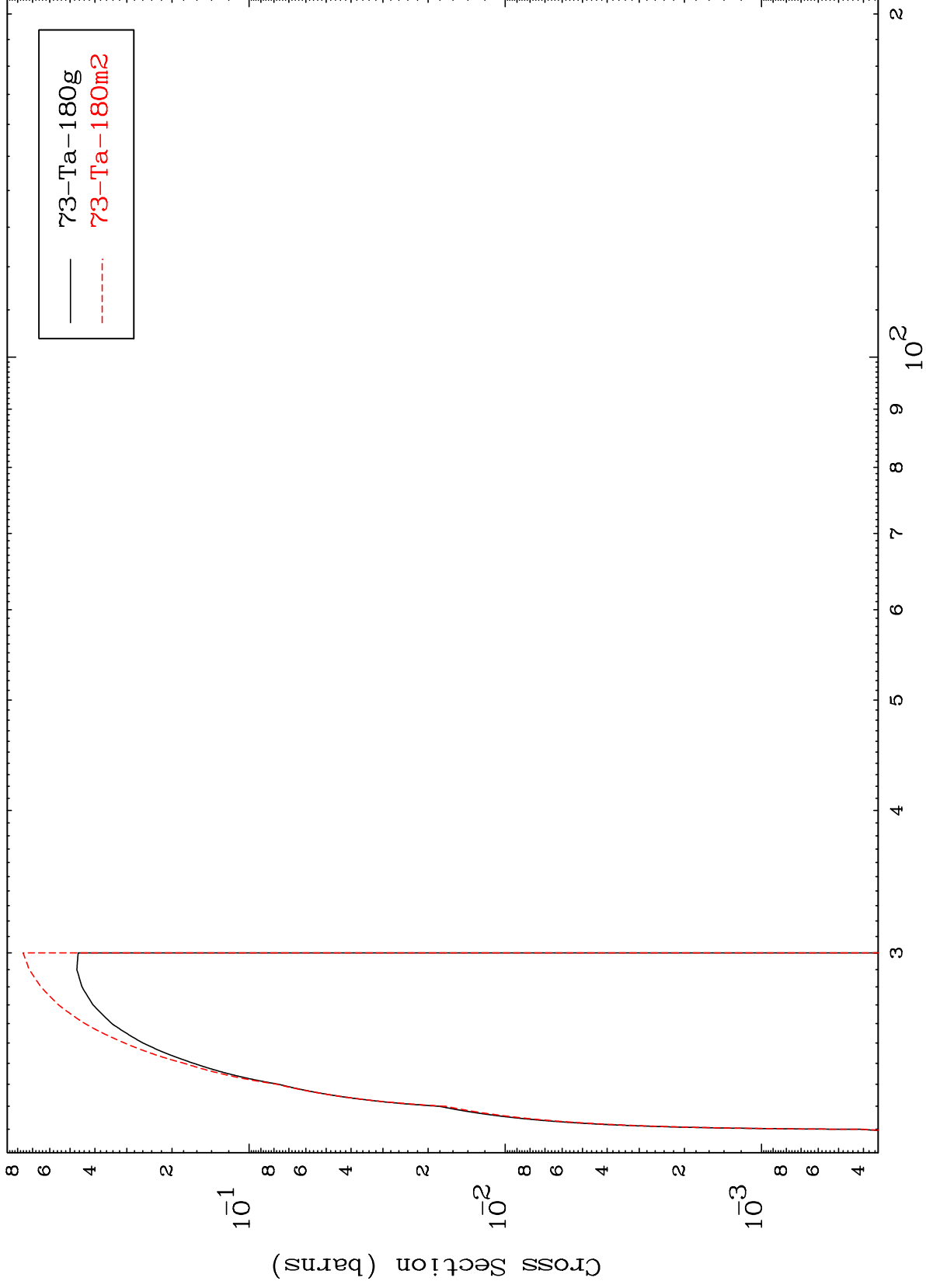
73-Ta-183

MAT 7334

(n,4n)

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



102

Incident Energy (MeV)

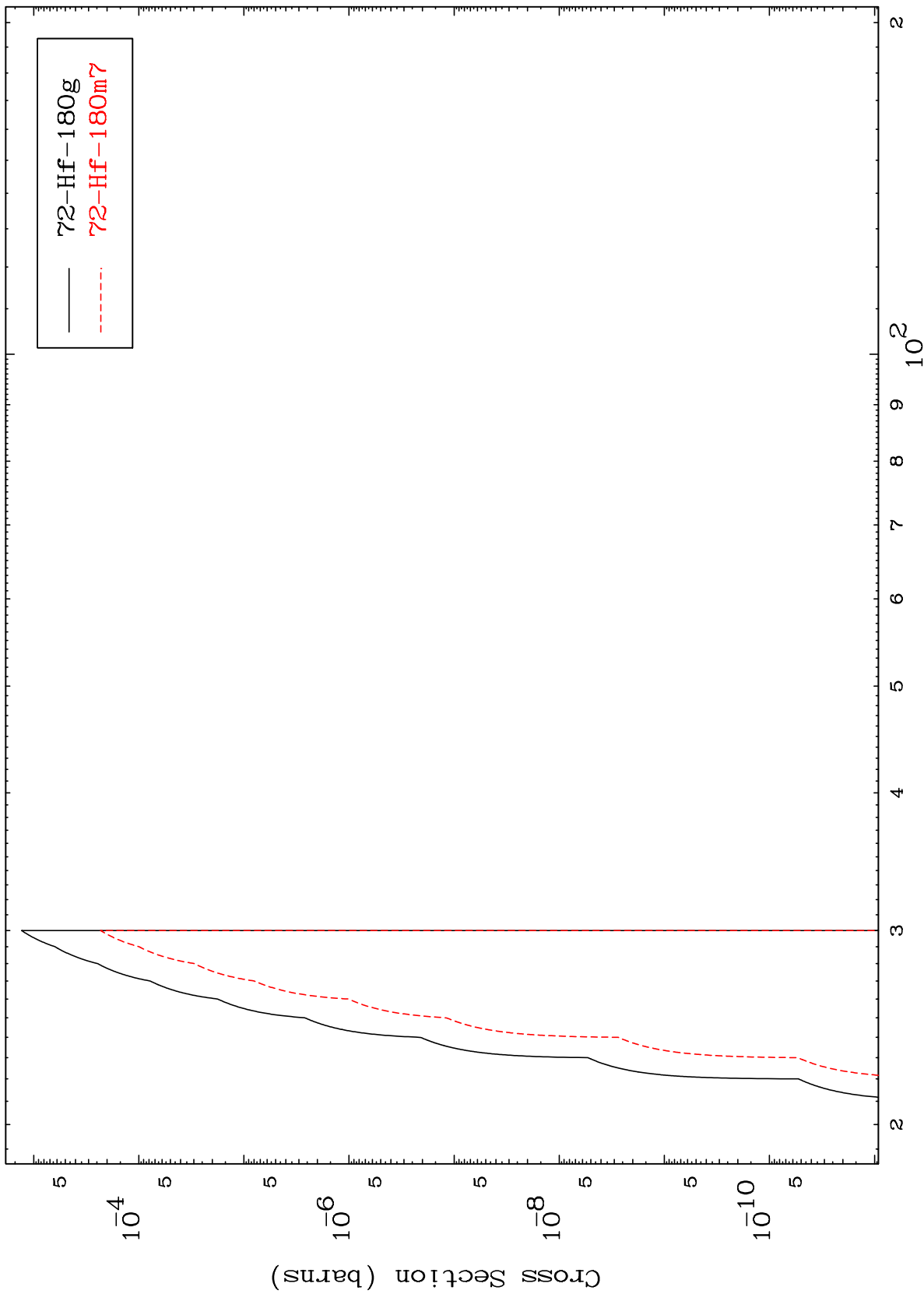
<sup>73</sup>Ta-183

MAT 7334

(n,3n) p

<sup>73</sup>Ta-183

Radionuclide Production Cross Section



103

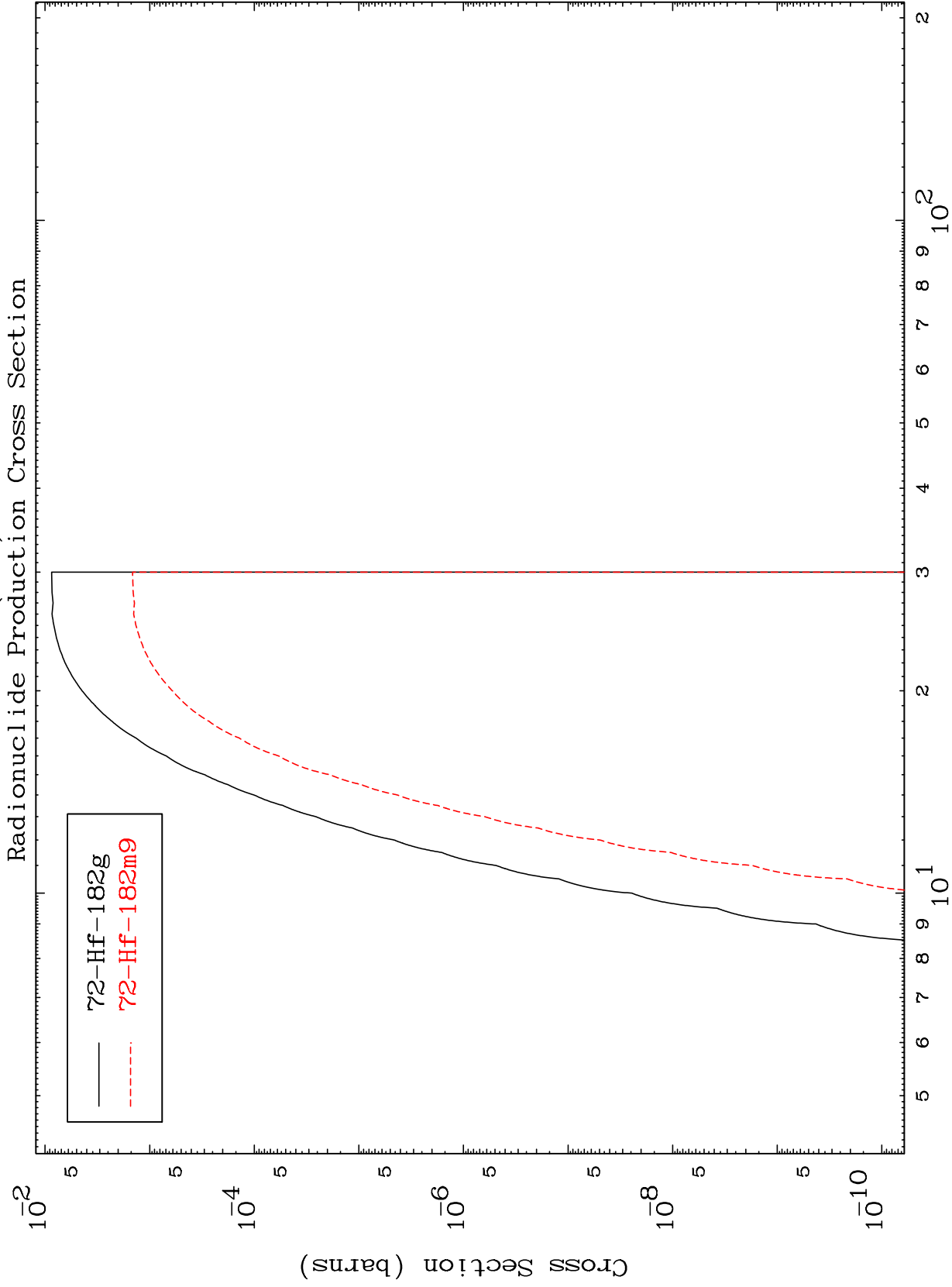
Incident Energy (MeV)

<sup>73</sup>Ta-183



MAT 7334

73-Ta-183



104

Incident Energy (MeV)

73-Ta-183