

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

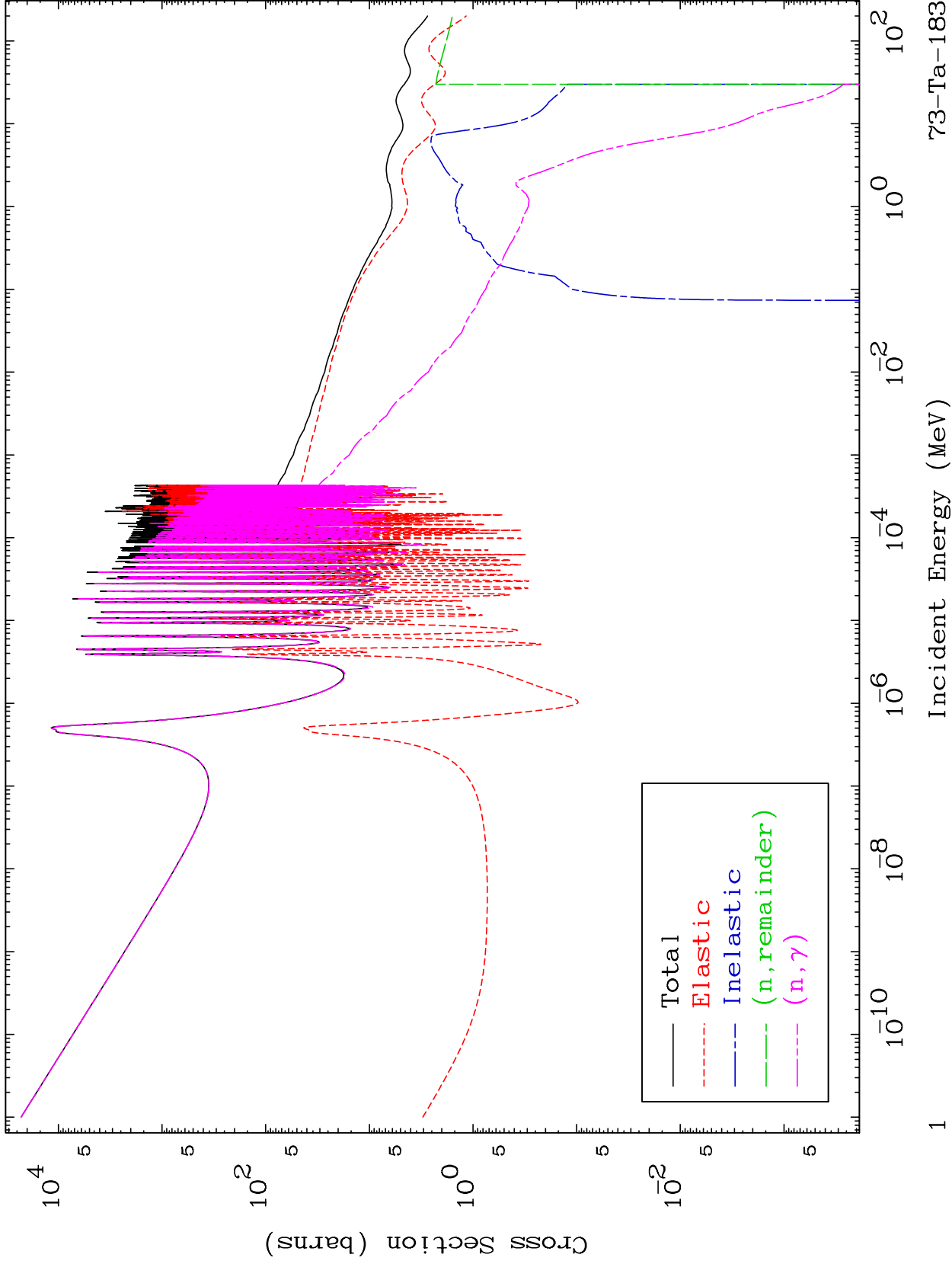
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7334

Major
293 Kelvin Cross Sections

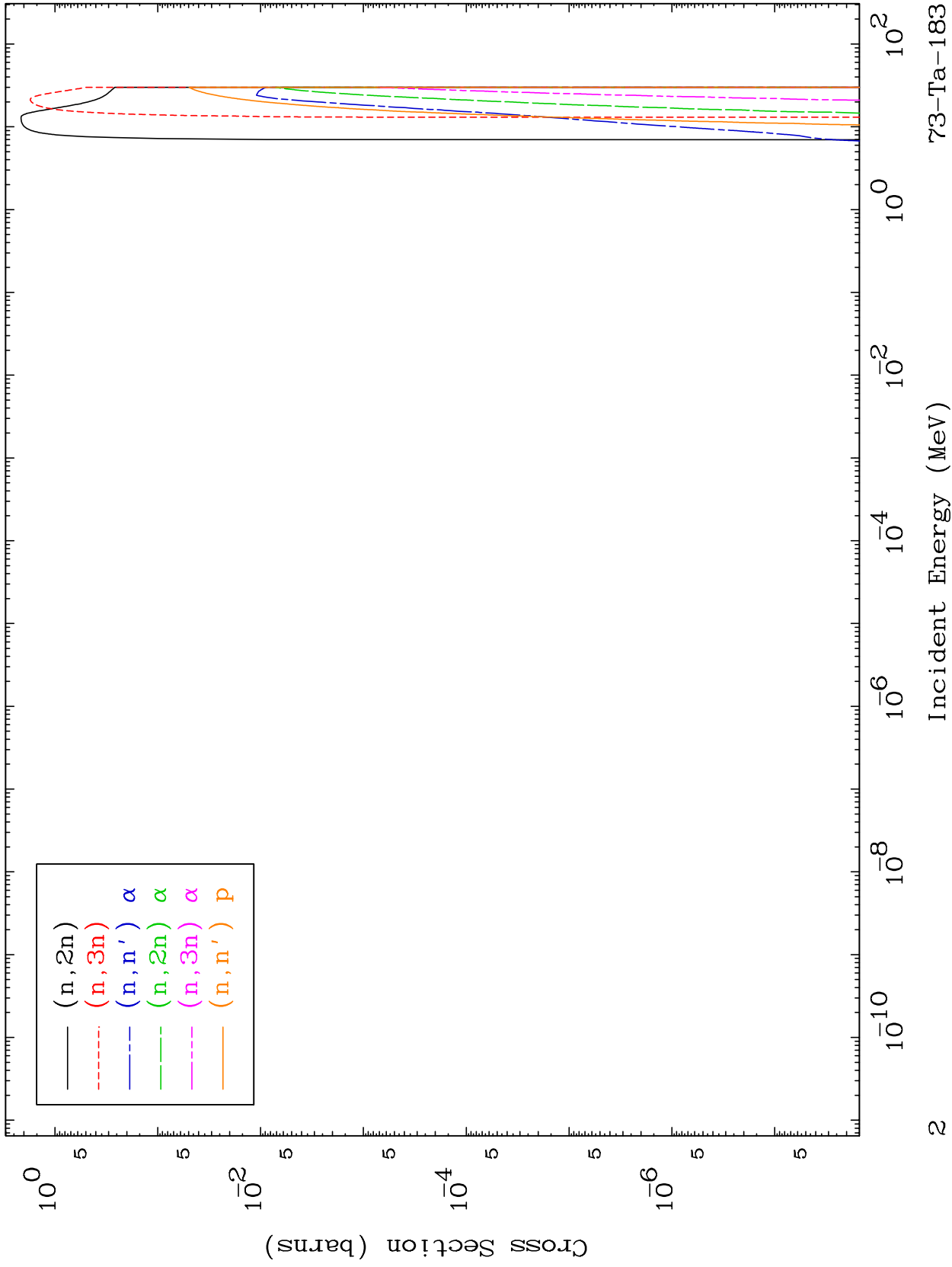
73-Ta-183

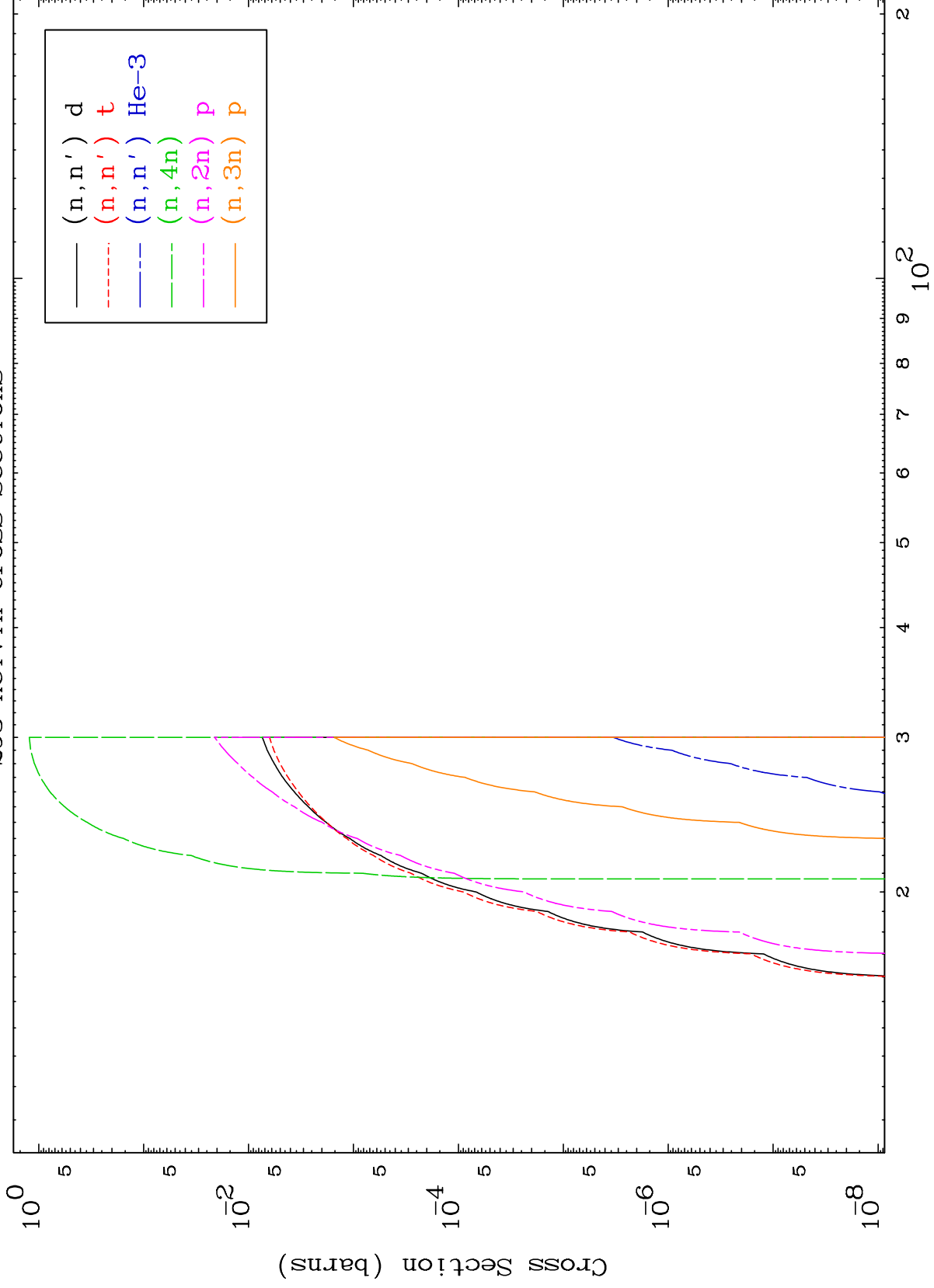


MAT 7334

Neutron Production
293 Kelvin Cross Sections

73-Ta-183

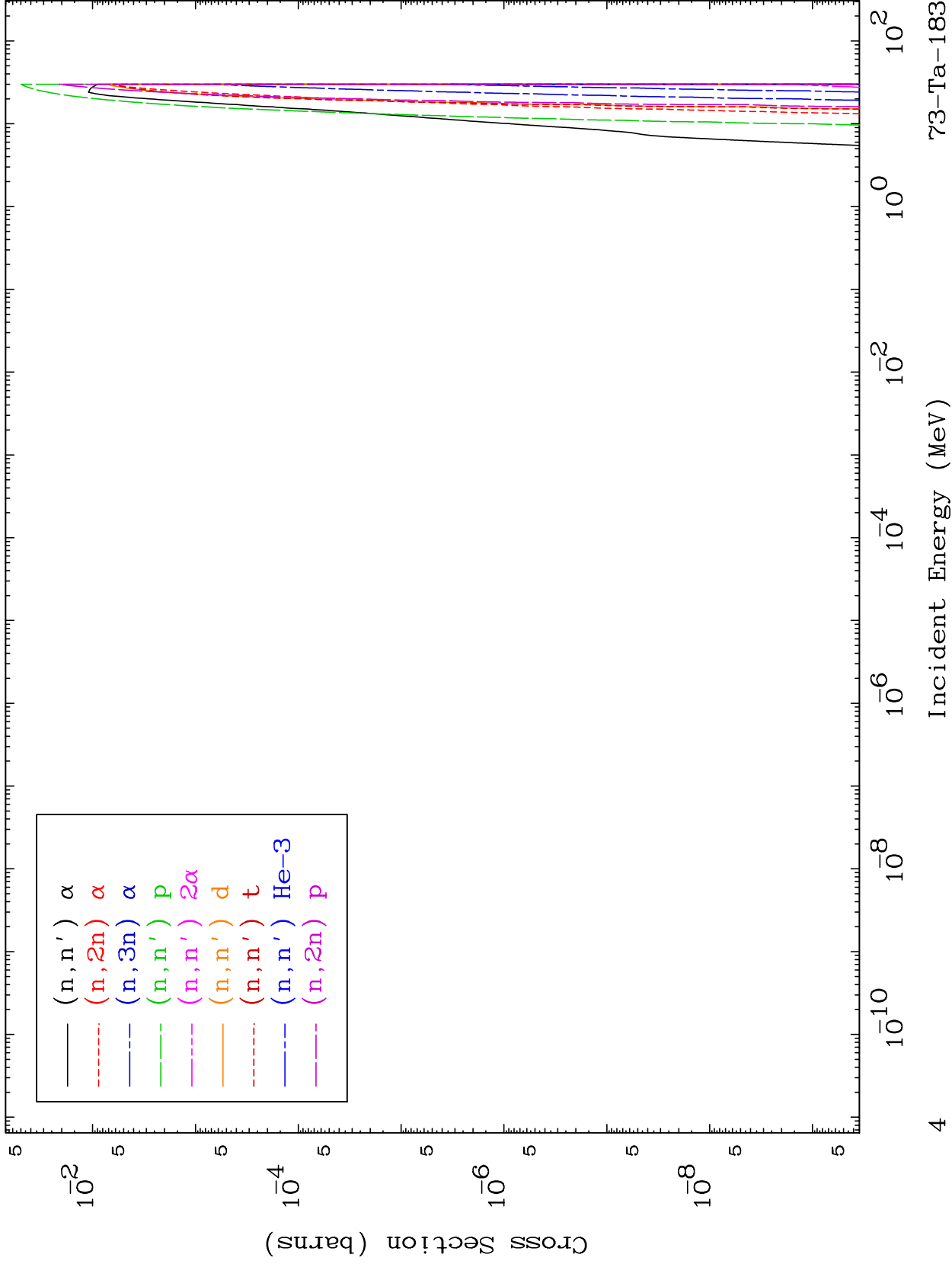




MAT 7334

Charged Particle
293 Kelvin Cross Sections

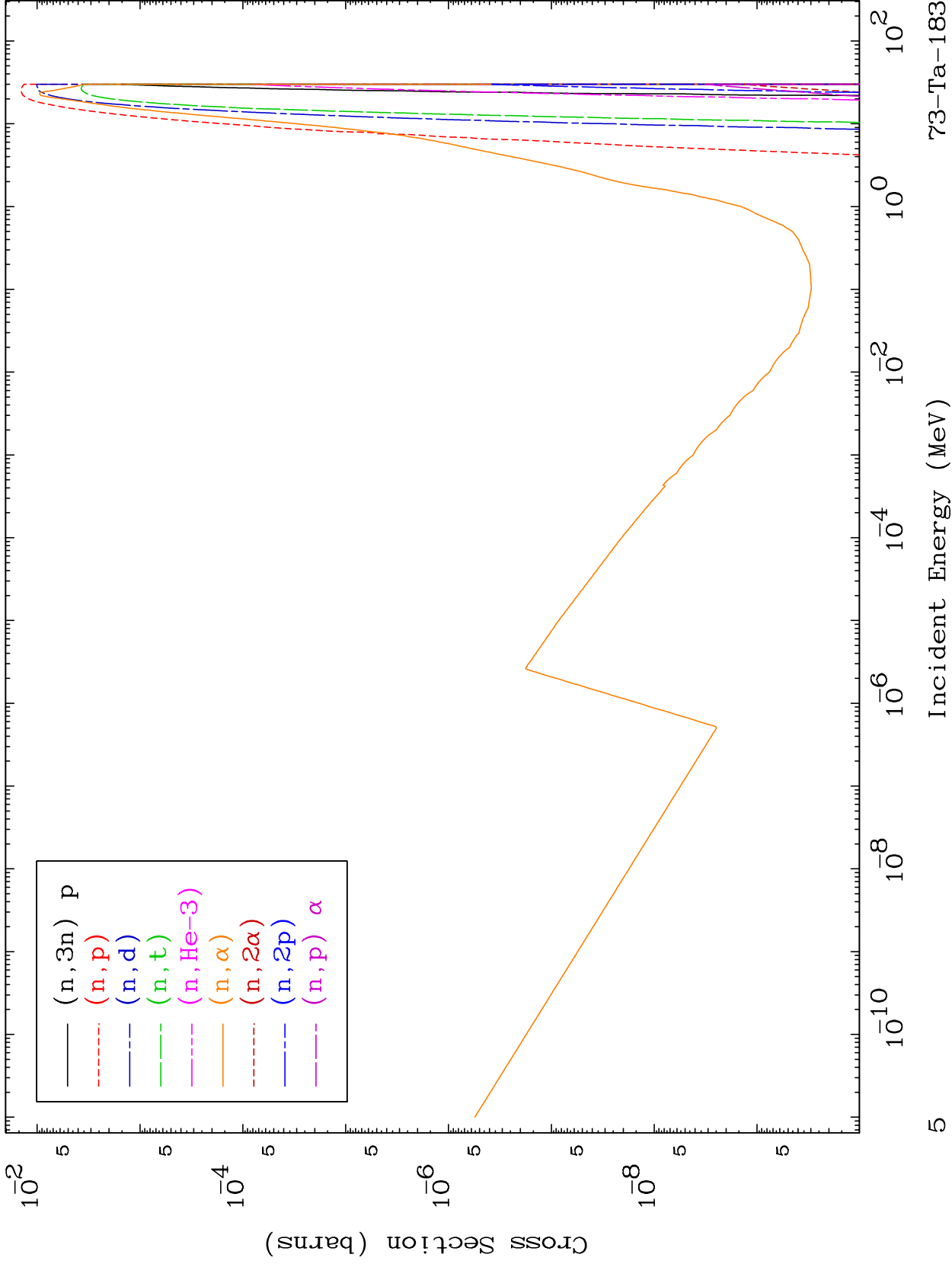
73-Ta-183

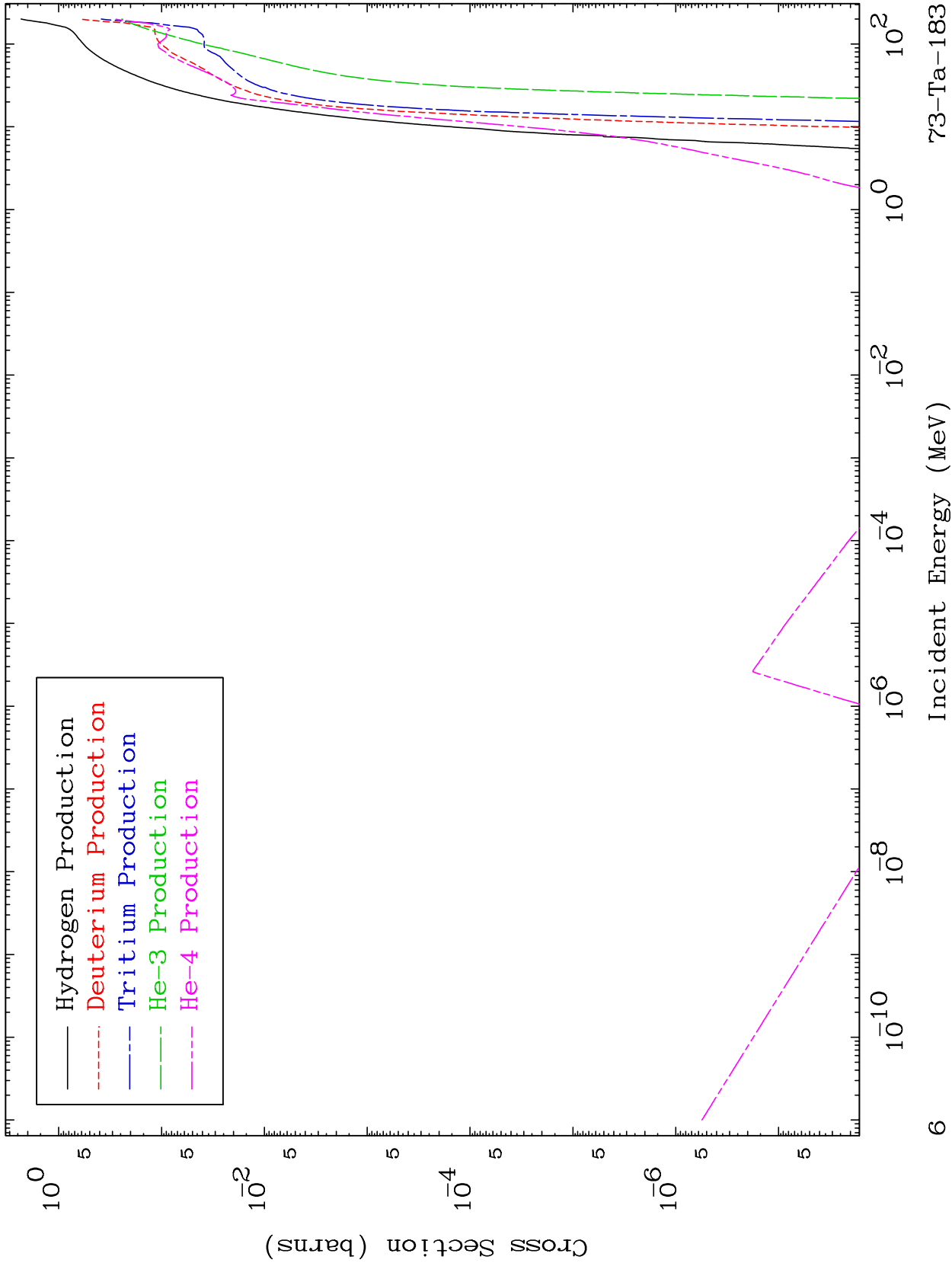


MAT 7334

Charged Particle
293 Kelvin Cross Sections

73-Ta-183

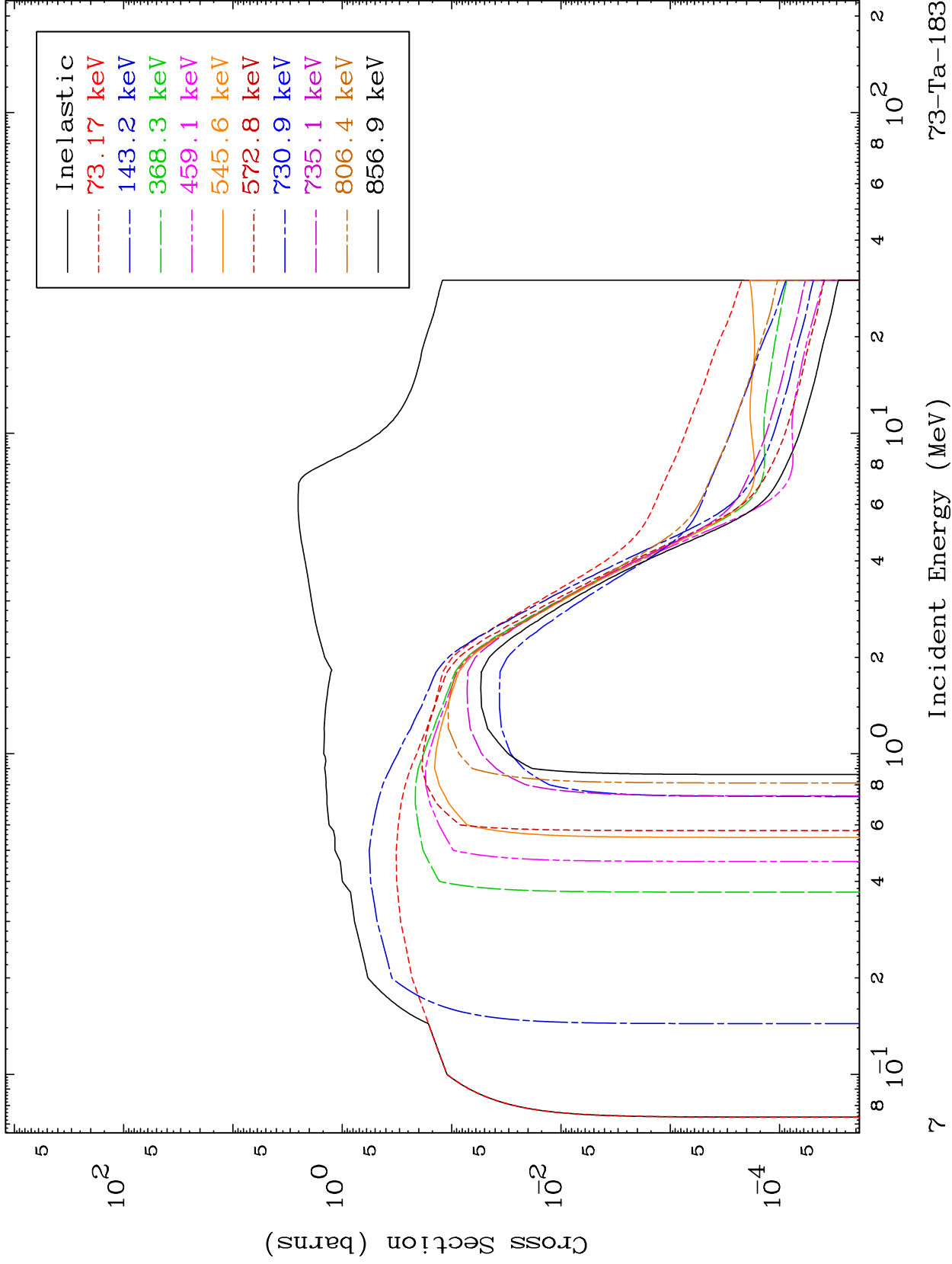




MAT 7334

(n,n') Level
293 Kelvin Cross Sections

73-Ta-183

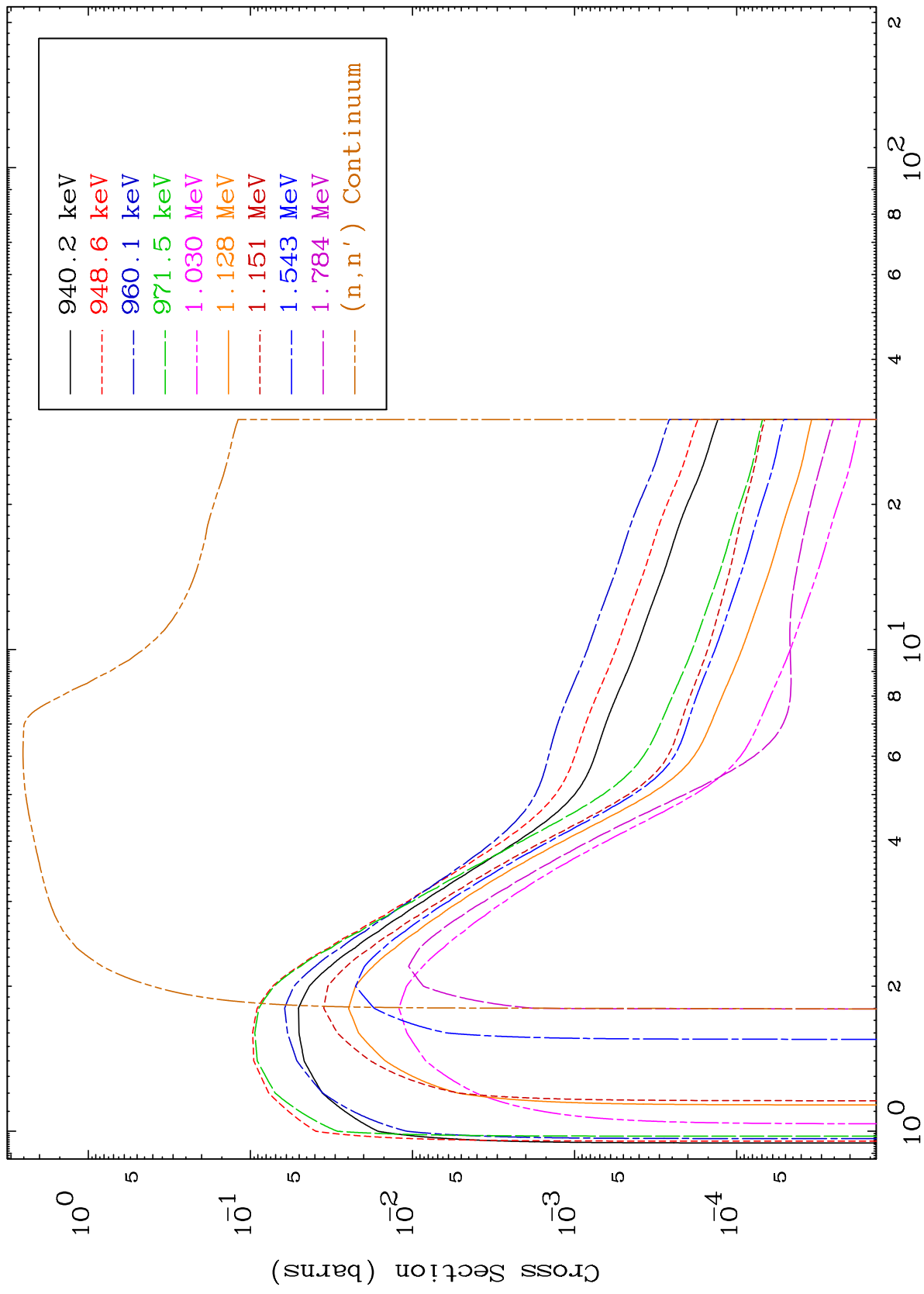


MAT 7334

(n,n') Level

73-Ta-183

293 Kelvin Cross Sections



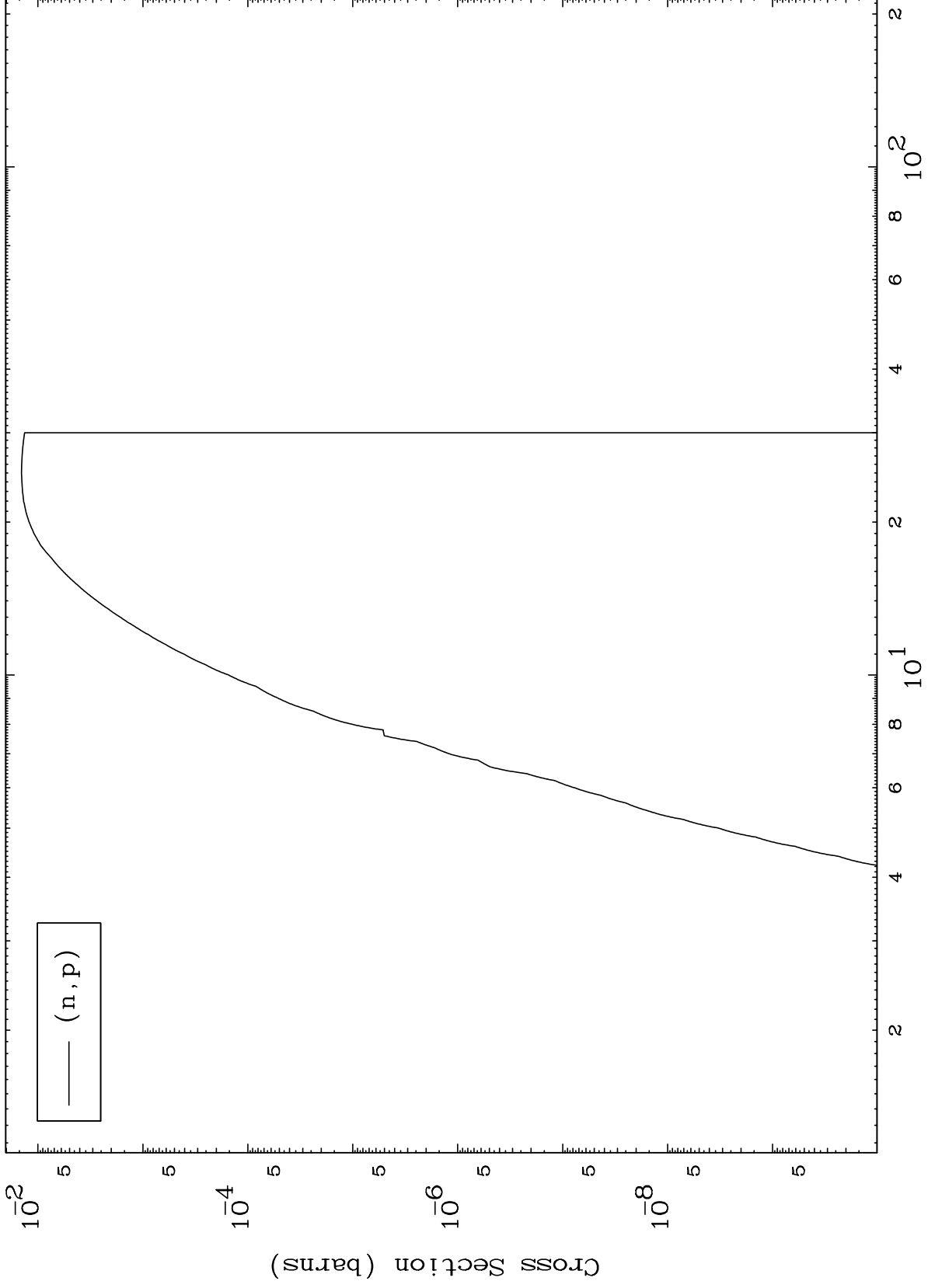
Incident Energy (MeV)

73-Ta-183

MAT 7334

(n,p) Levels
293 Kelvin Cross Sections

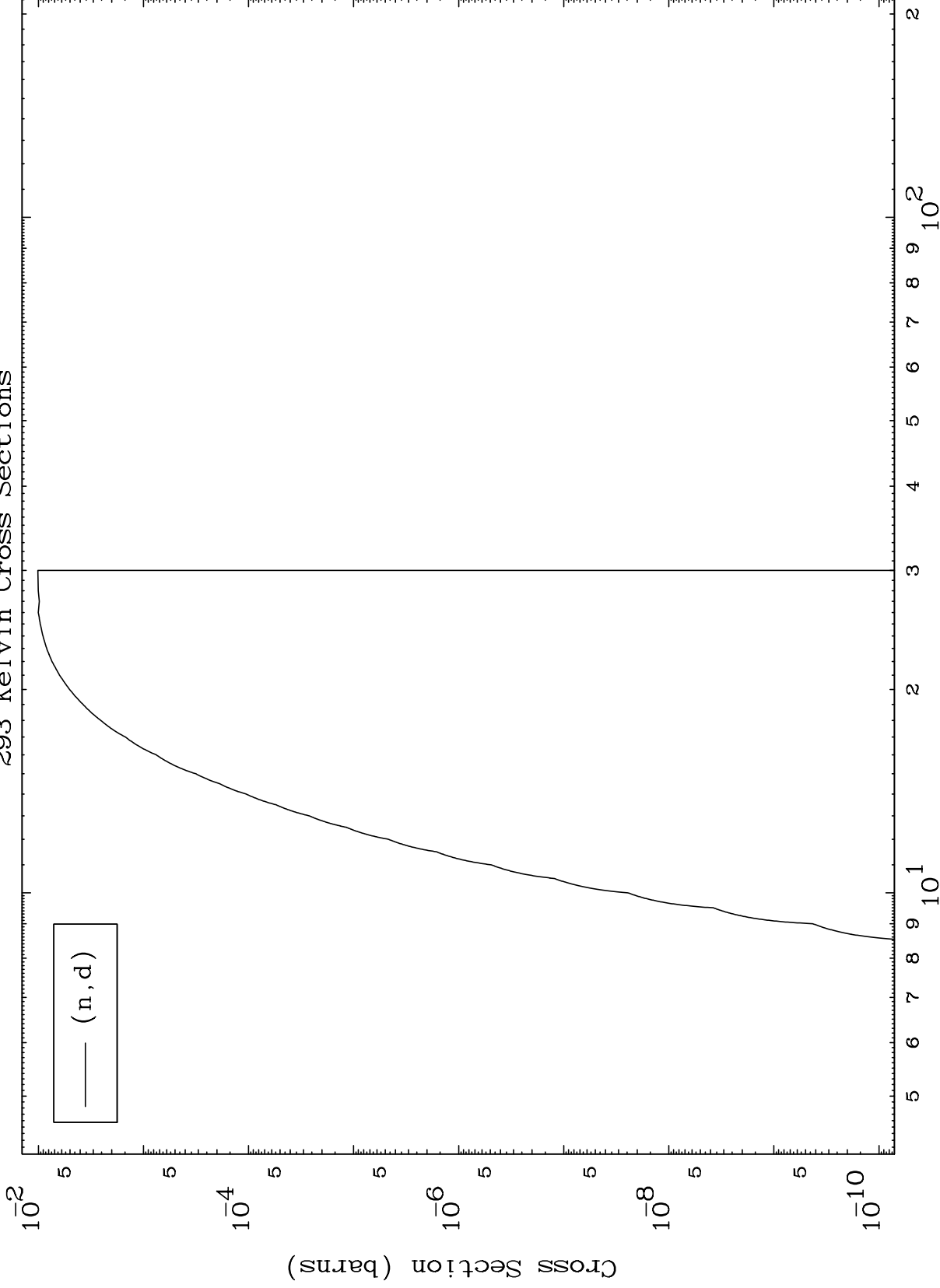
⁷³Ta-183



MAT 7334

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-183



10

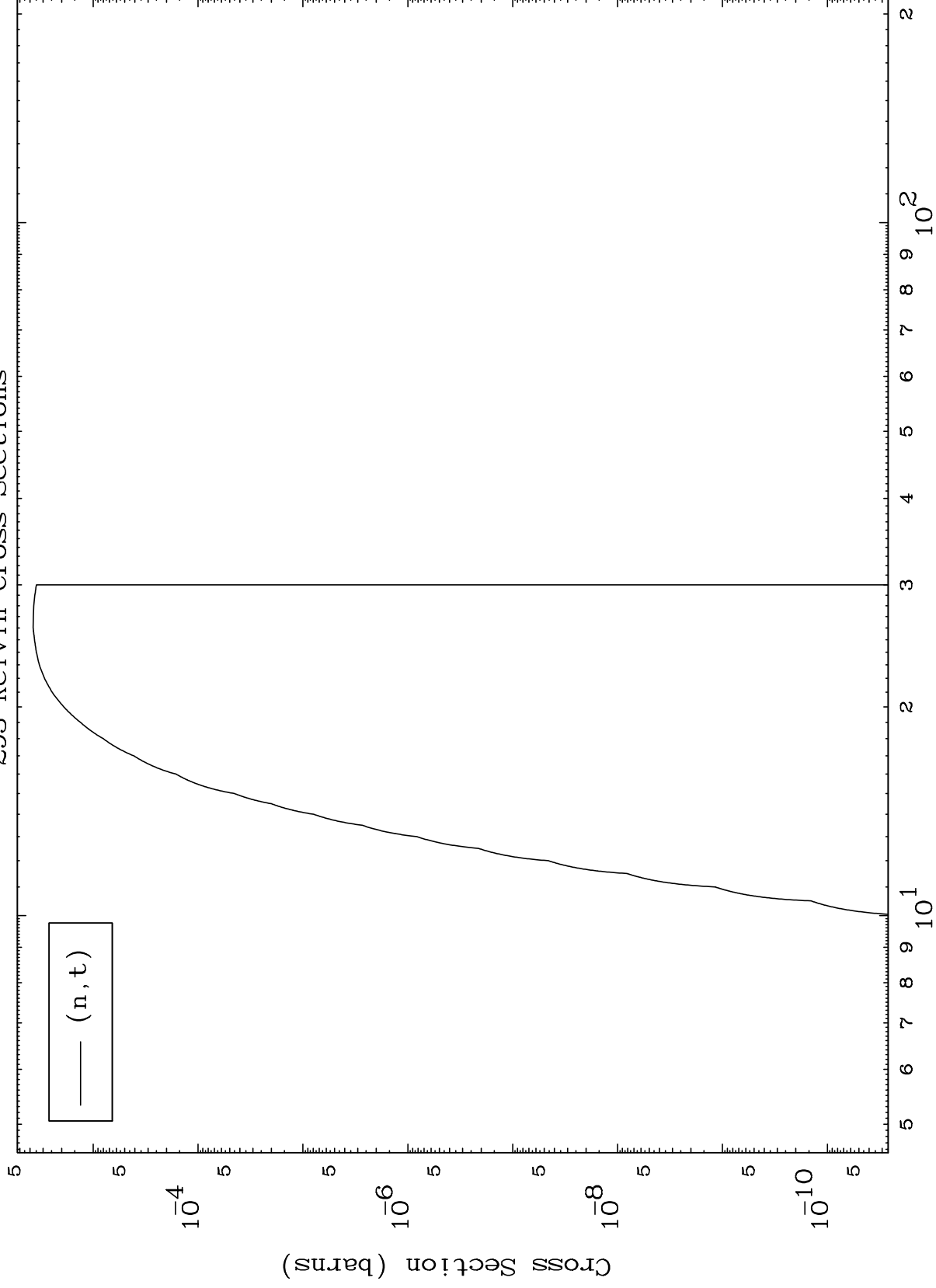
Incident Energy (MeV)

73-Ta-183

MAT 7334

(n,t) Levels
293 Kelvin Cross Sections

⁷³Ta-183



11

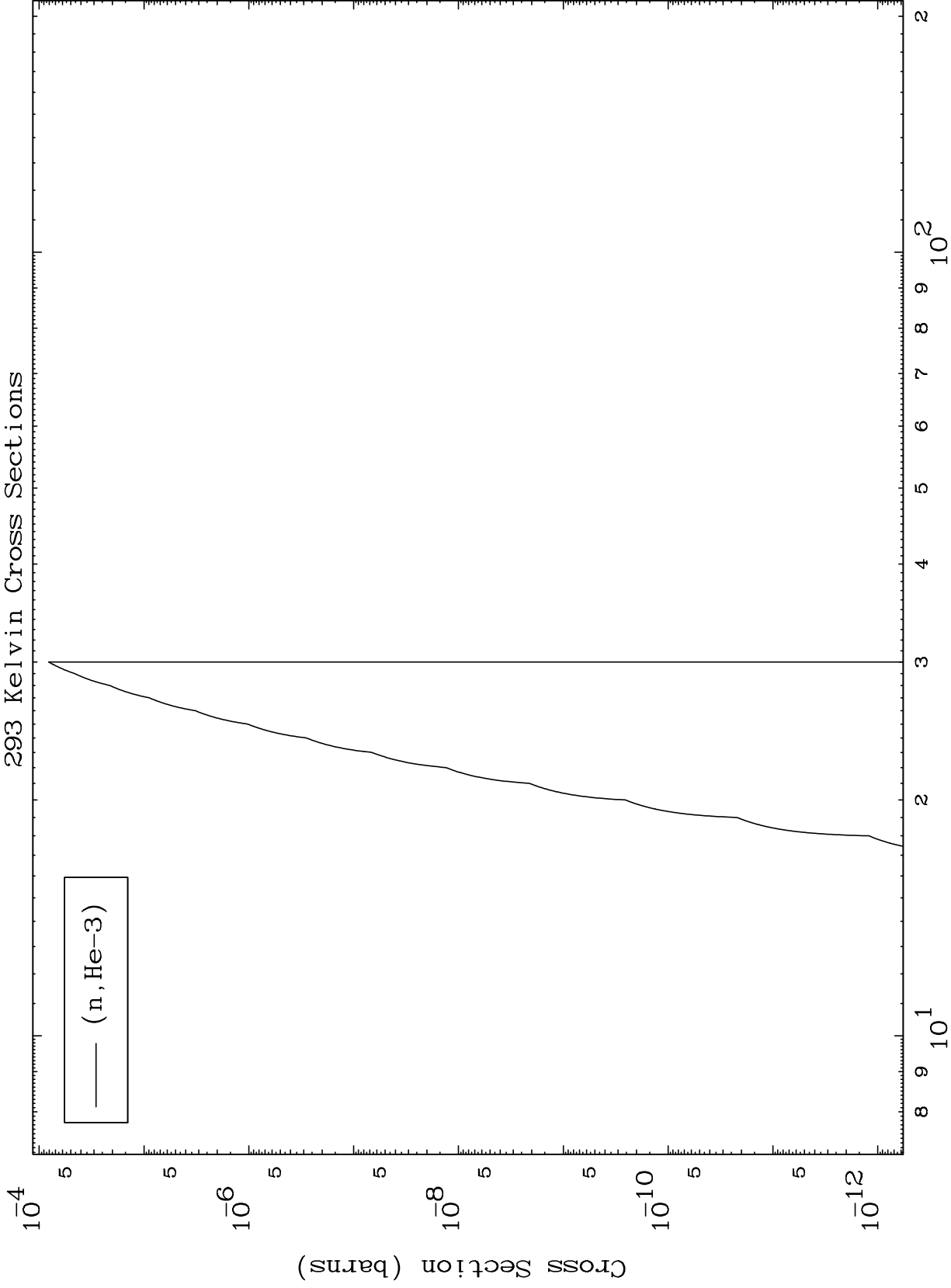
Incident Energy (MeV)

⁷³Ta-183

MAT 7334

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-183



12

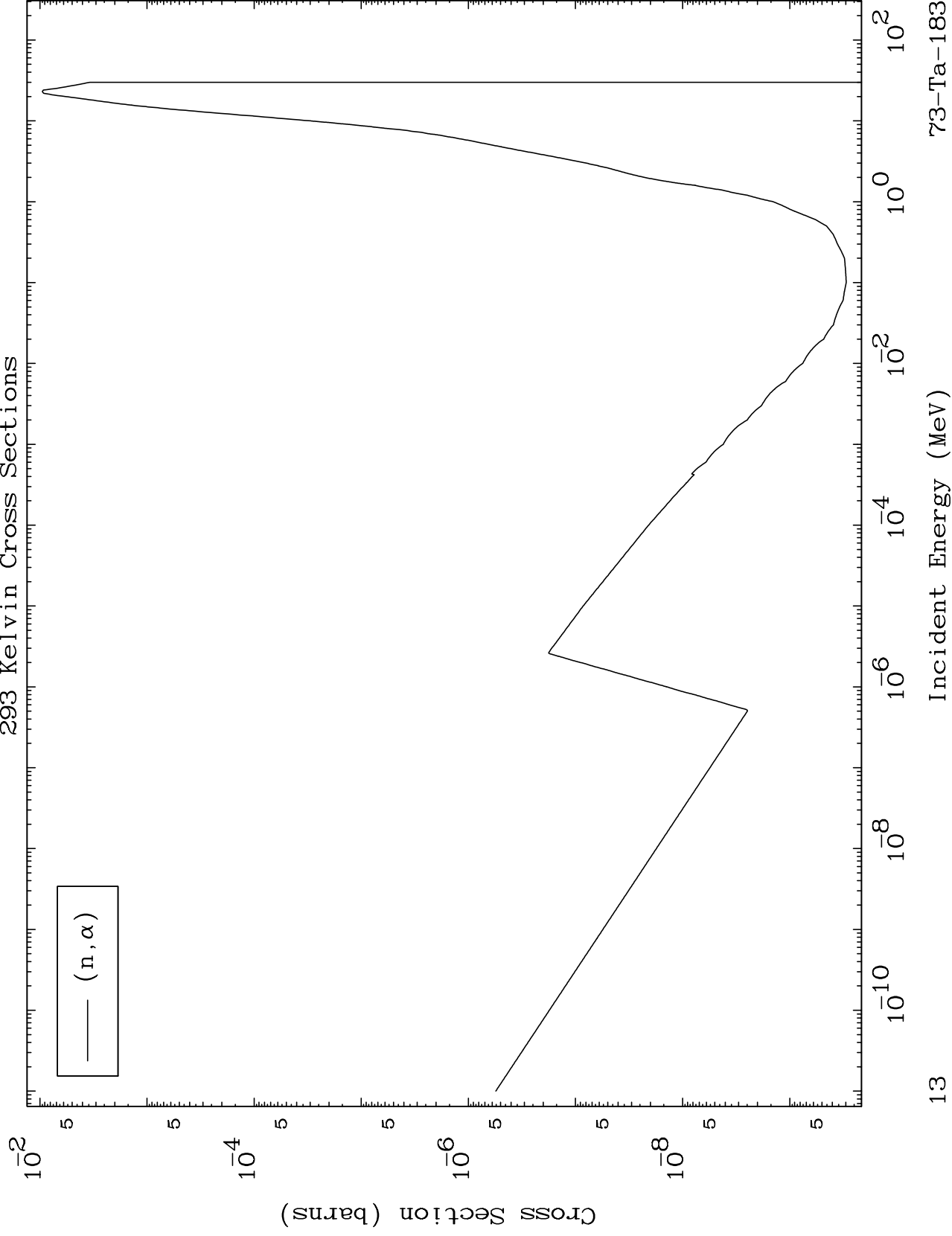
Incident Energy (MeV)

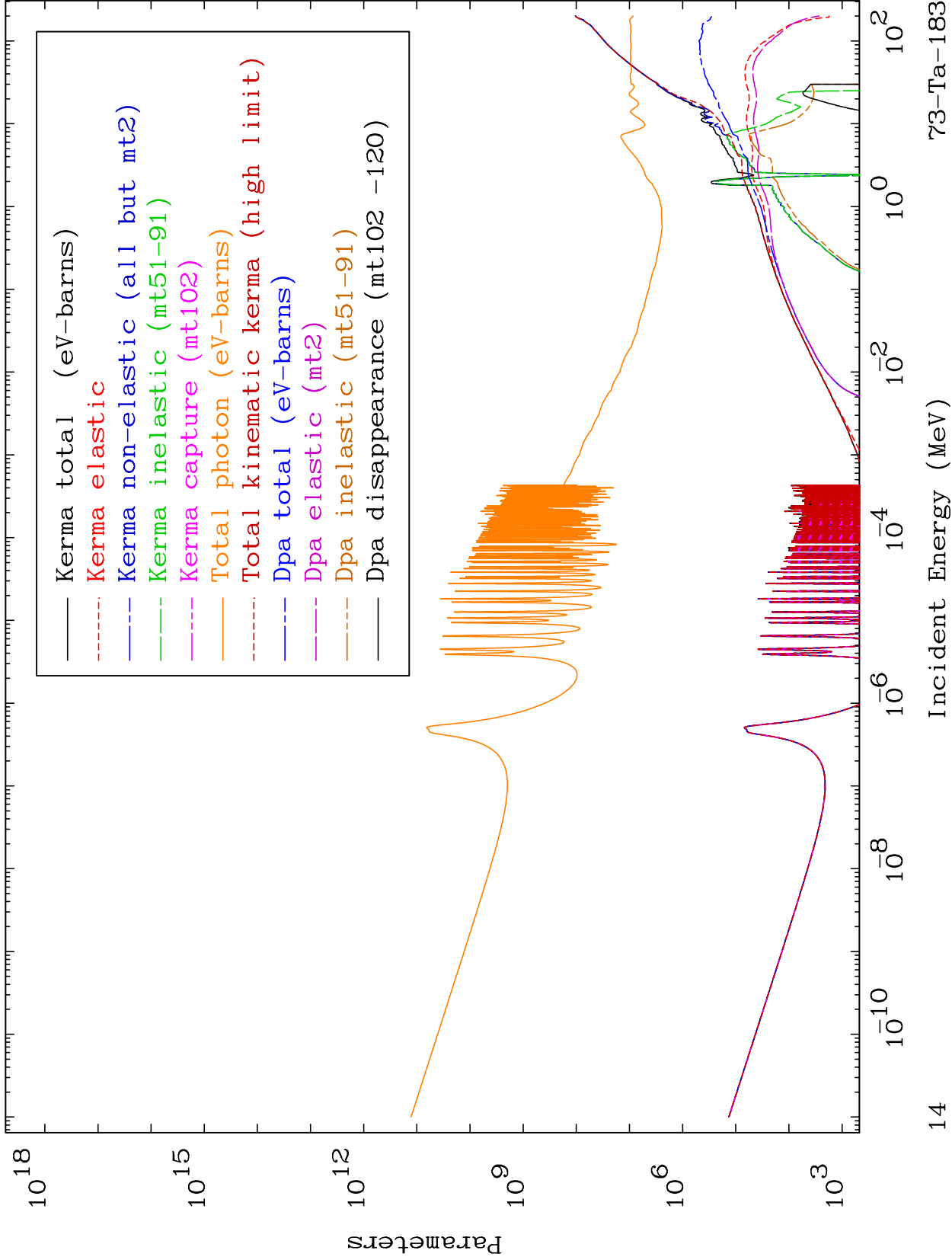
73-Ta-183

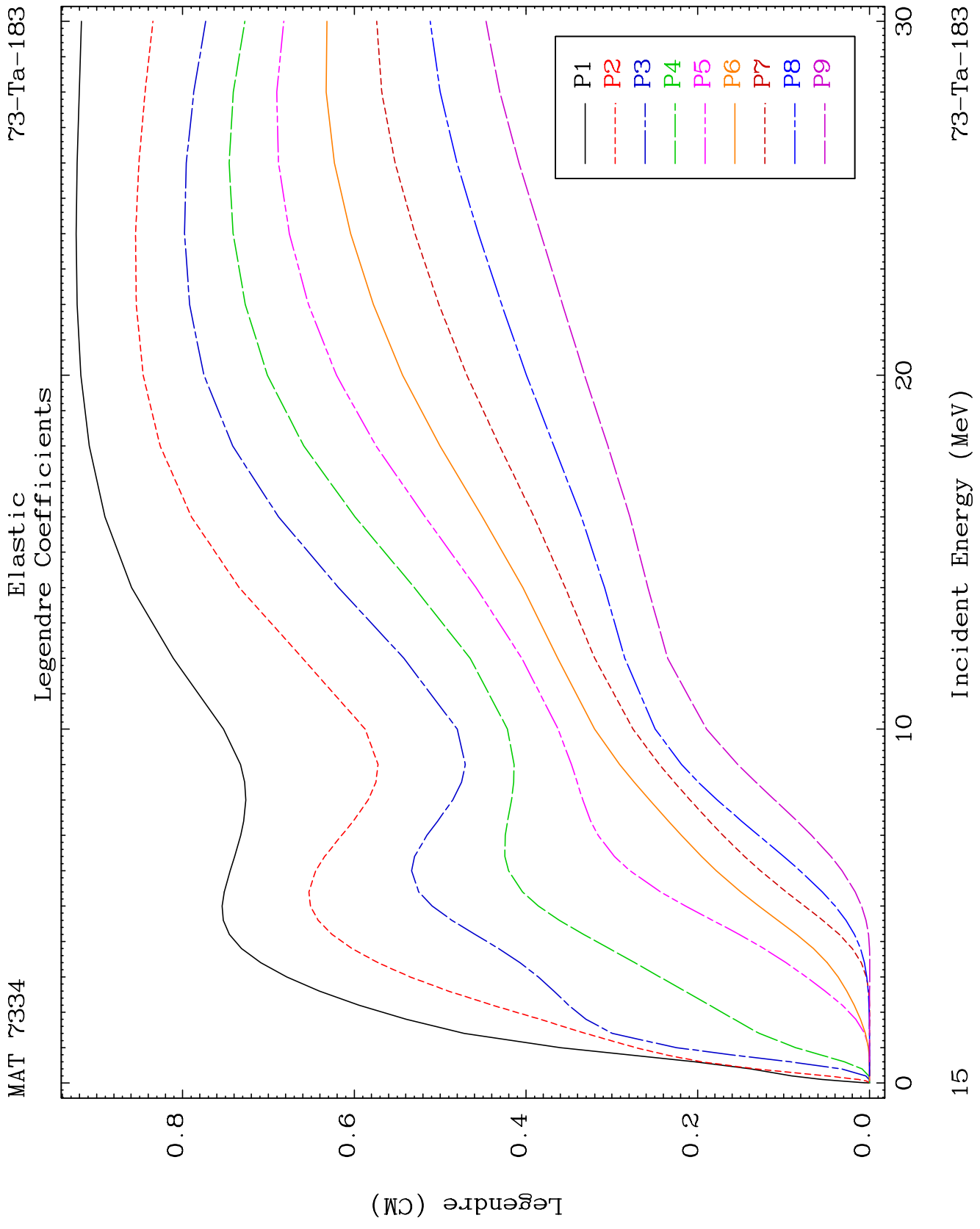
MAT 7334

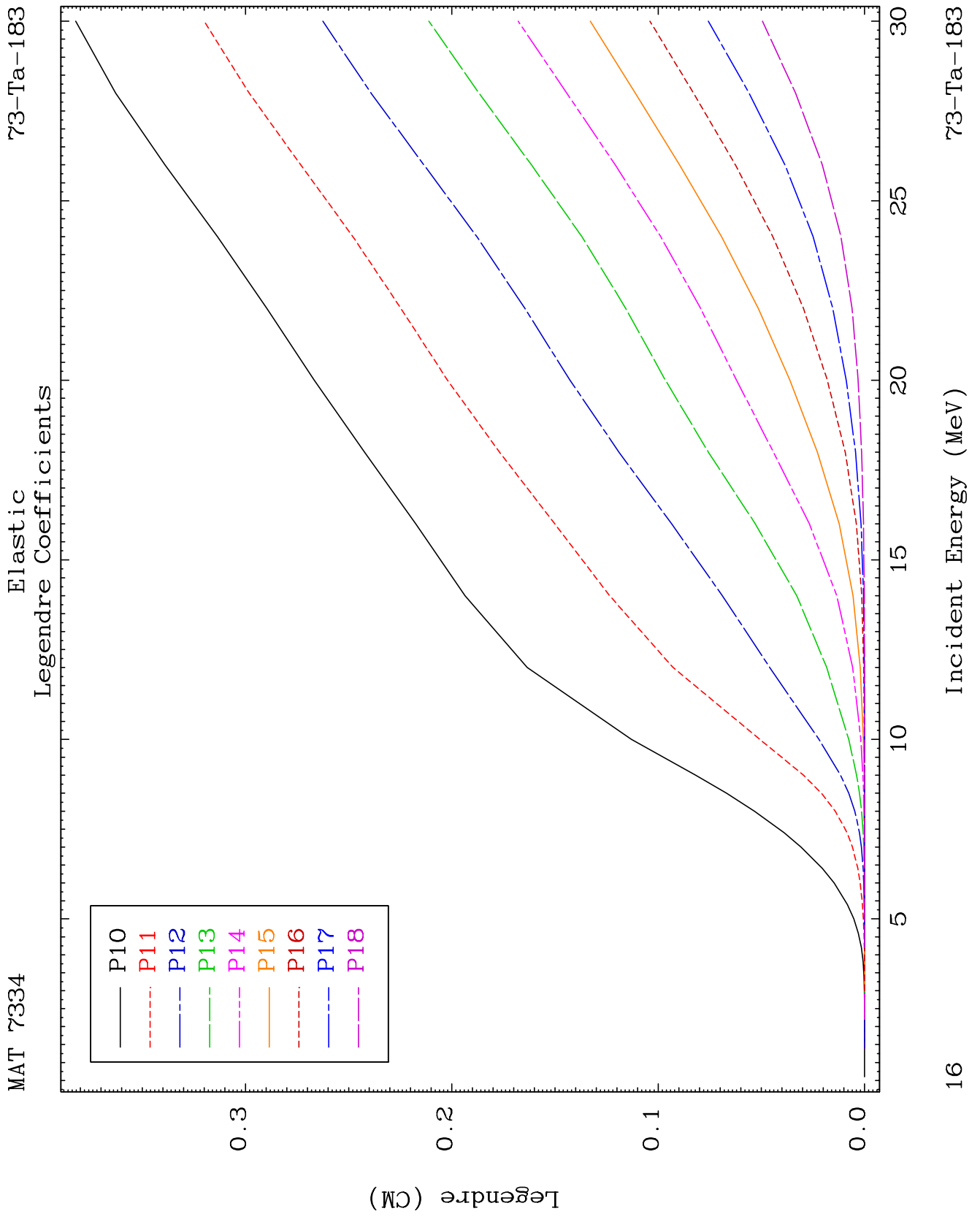
(n, α) Levels
293 Kelvin Cross Sections

⁷³Ta-183





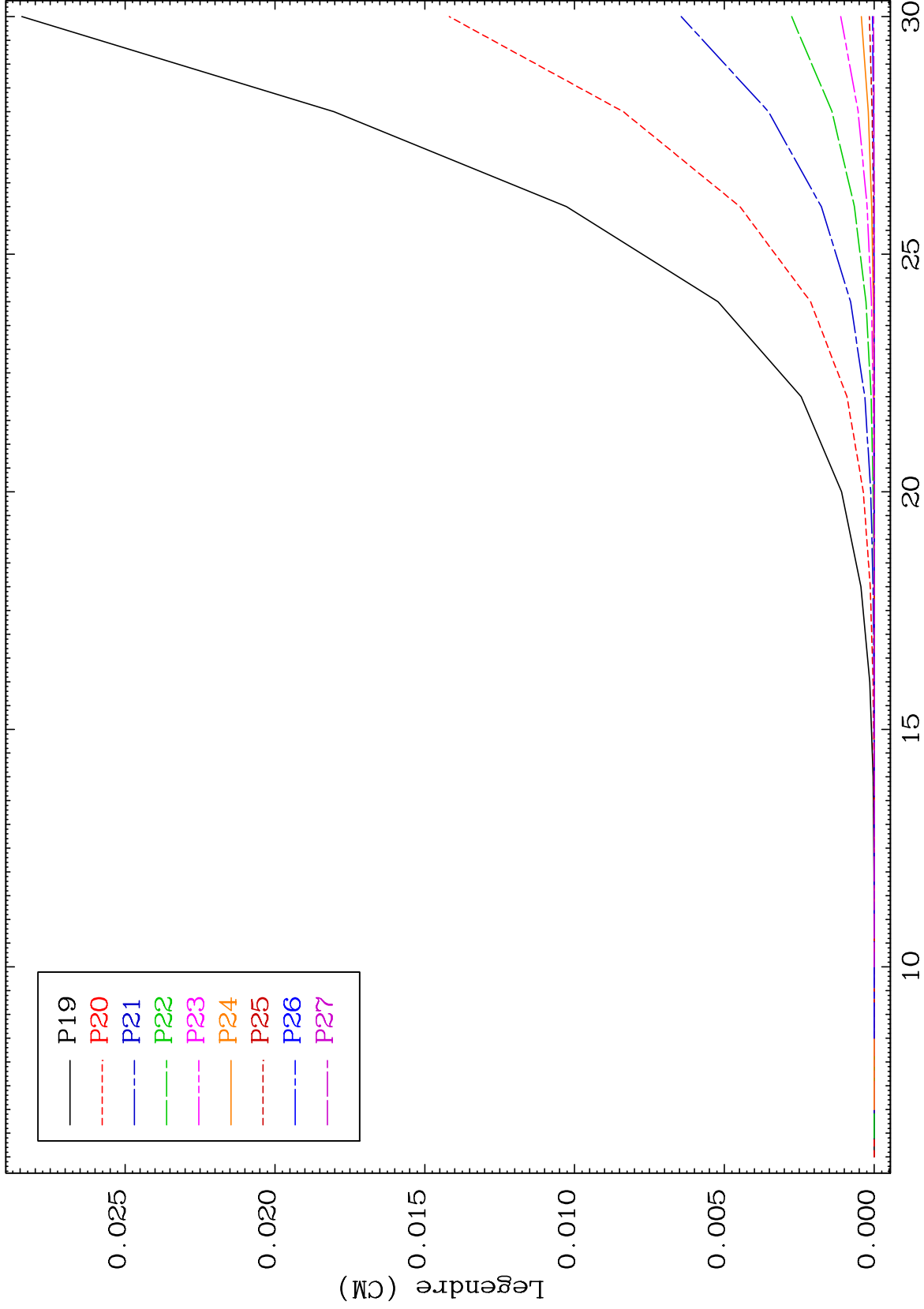




MAT 7334

Elastic Legendre Coefficients

⁷³Ta-183



17

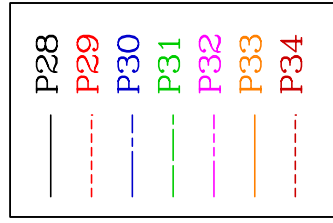
Incident Energy (MeV)

⁷³Ta-183

MAT 7334

Elastic
Legendre Coefficients

⁷³Ta-¹⁸³



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

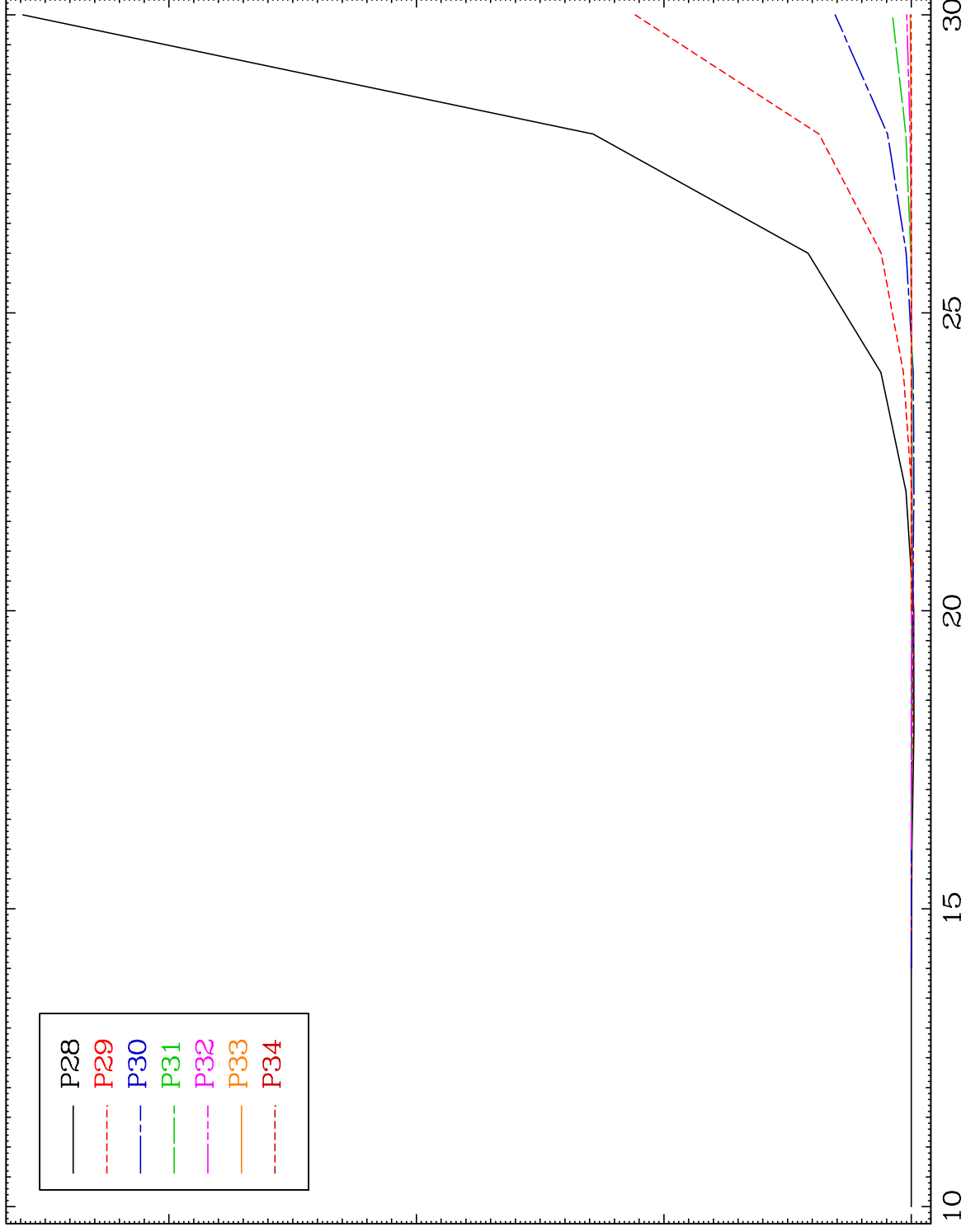
25

30

18

Incident Energy (MeV)

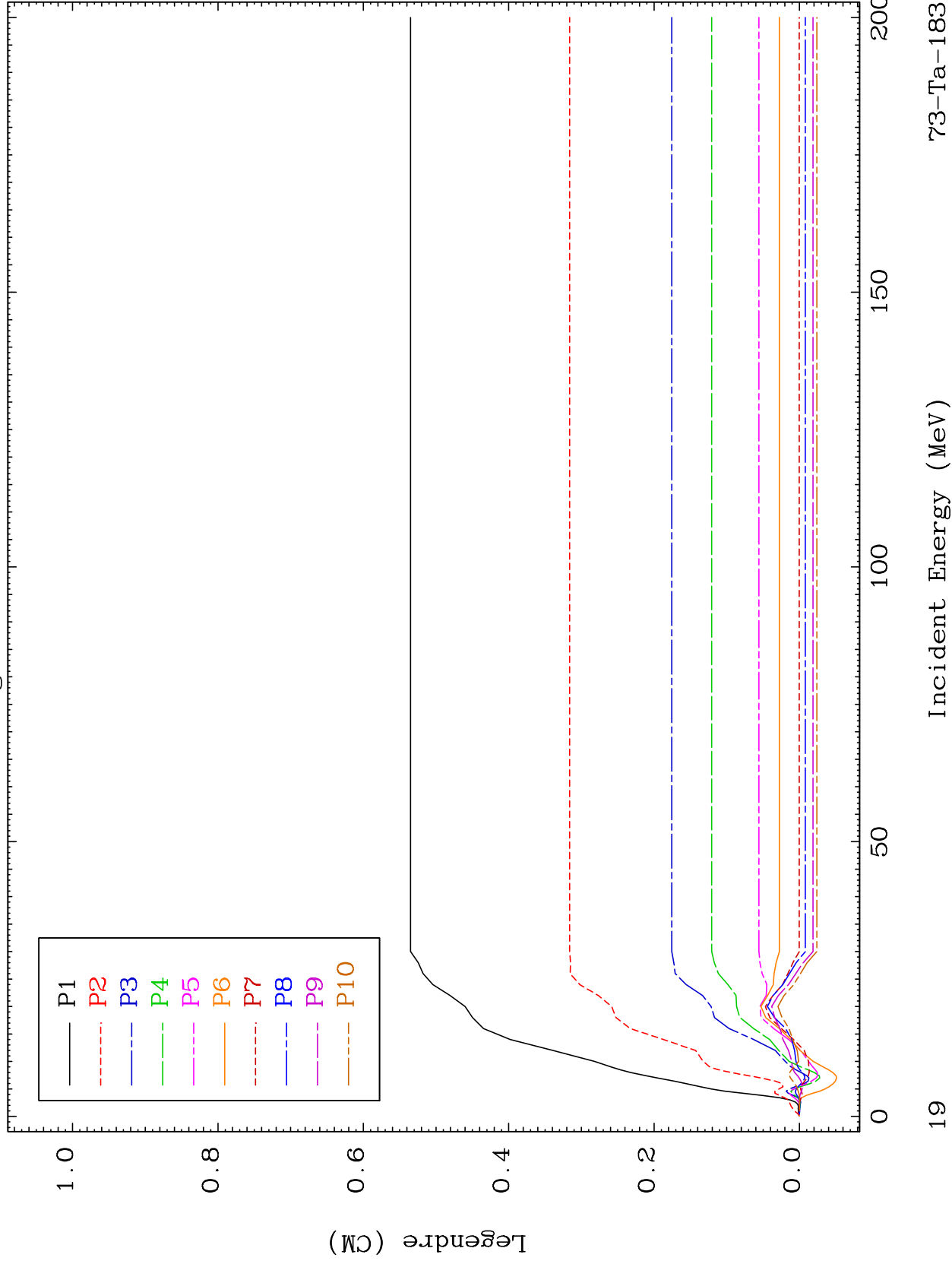
⁷³Ta-¹⁸³



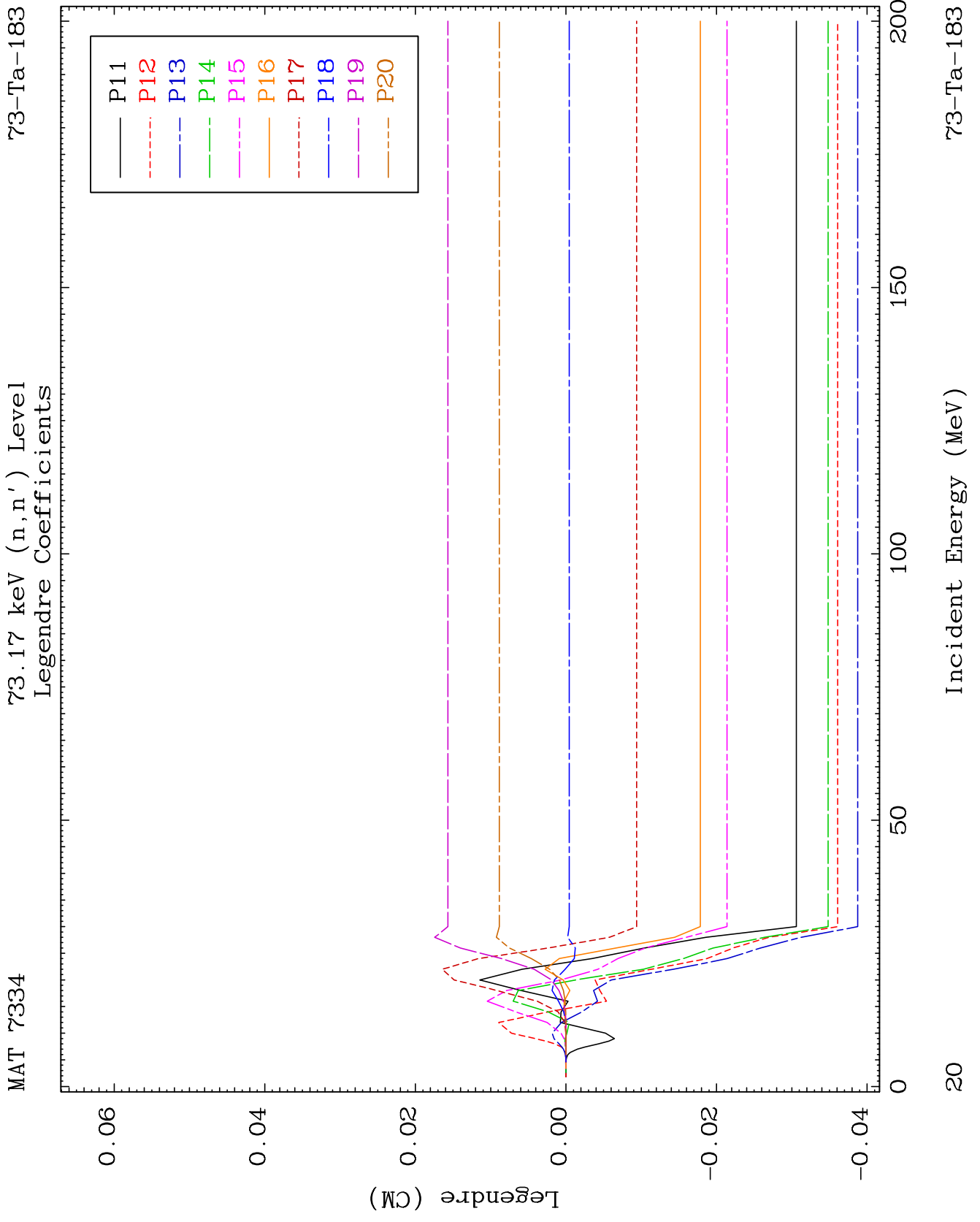
MAT 7334

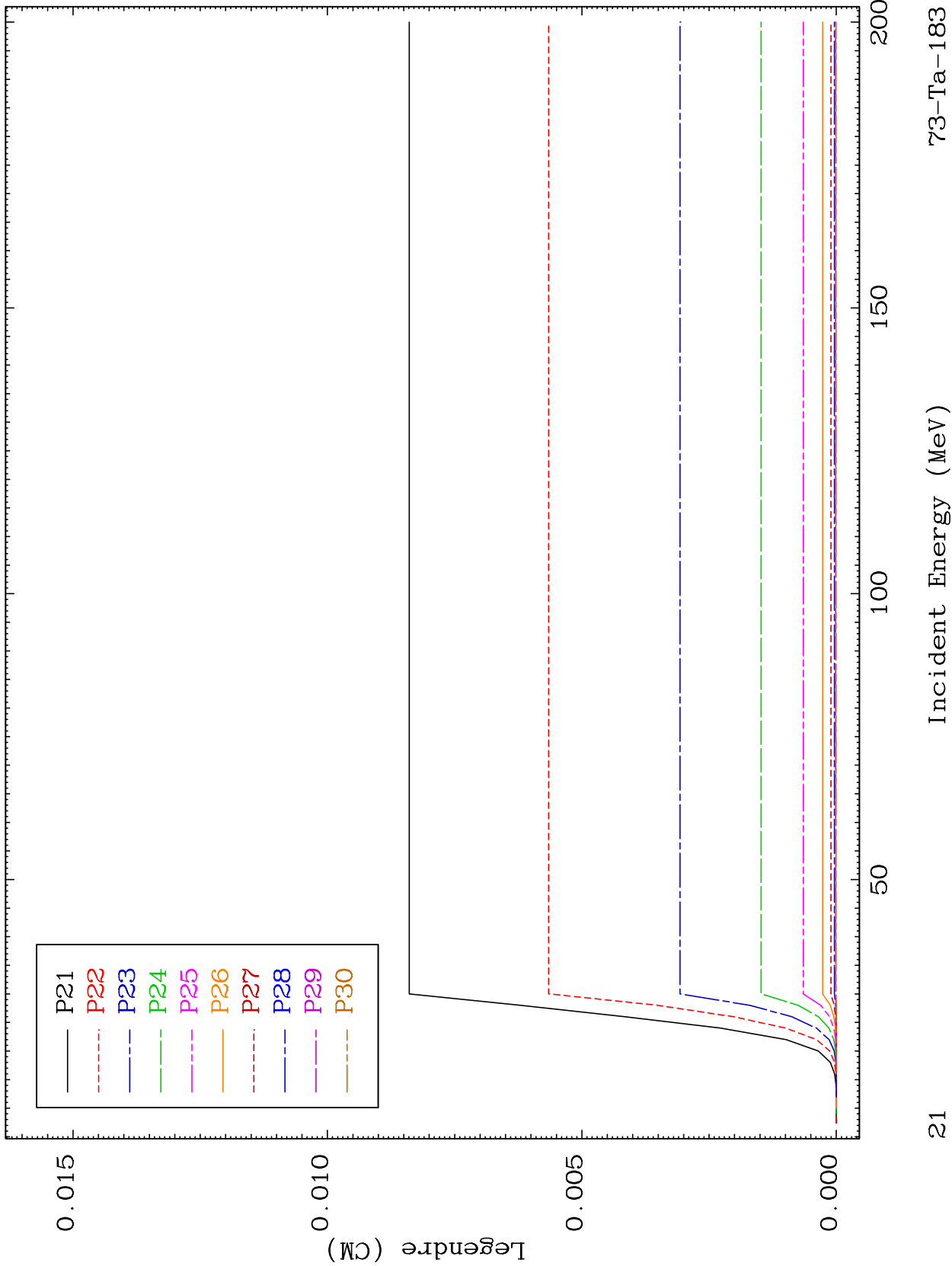
73.17 keV (n,n') Level
Legendre Coefficients

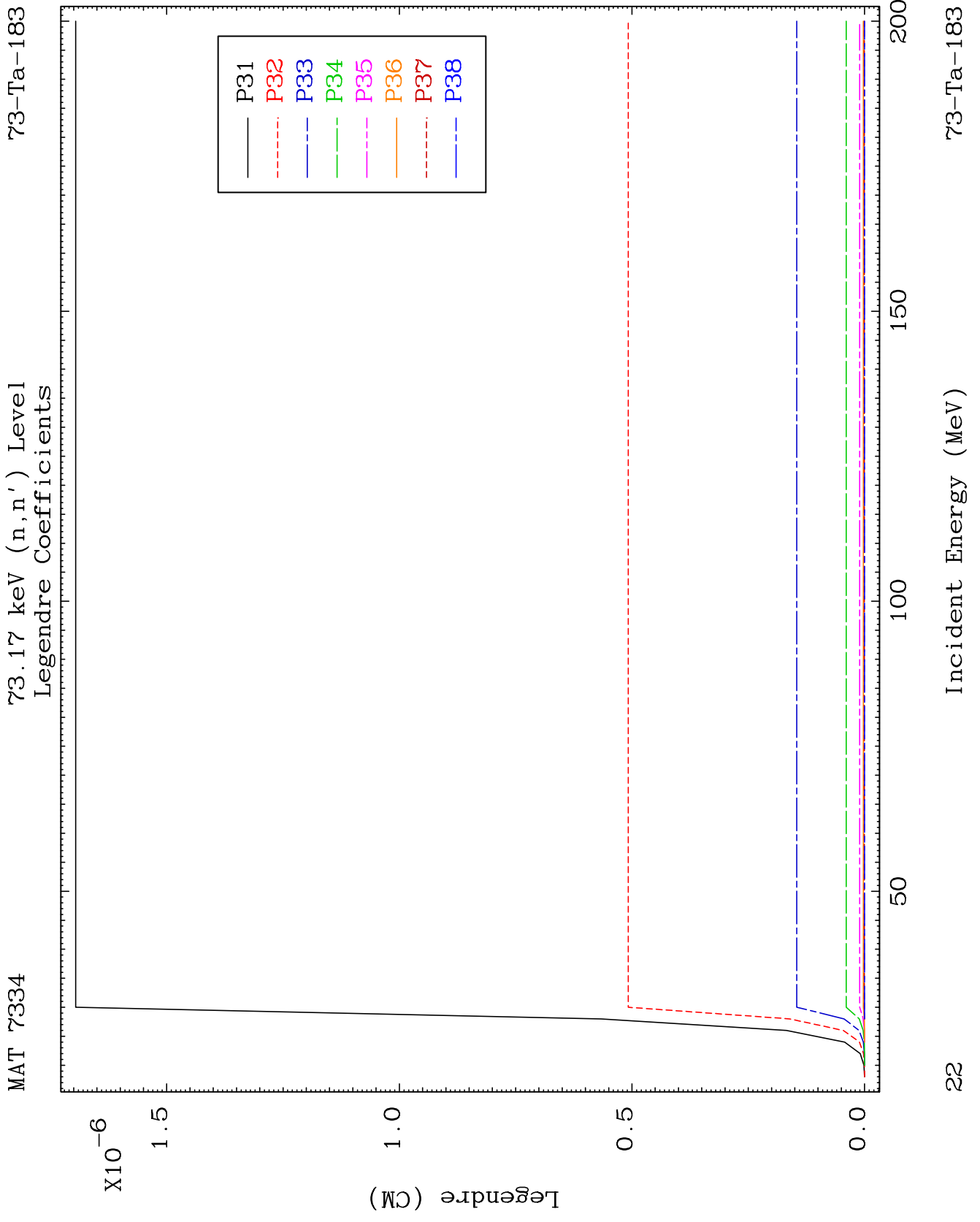
73-Ta-183



19



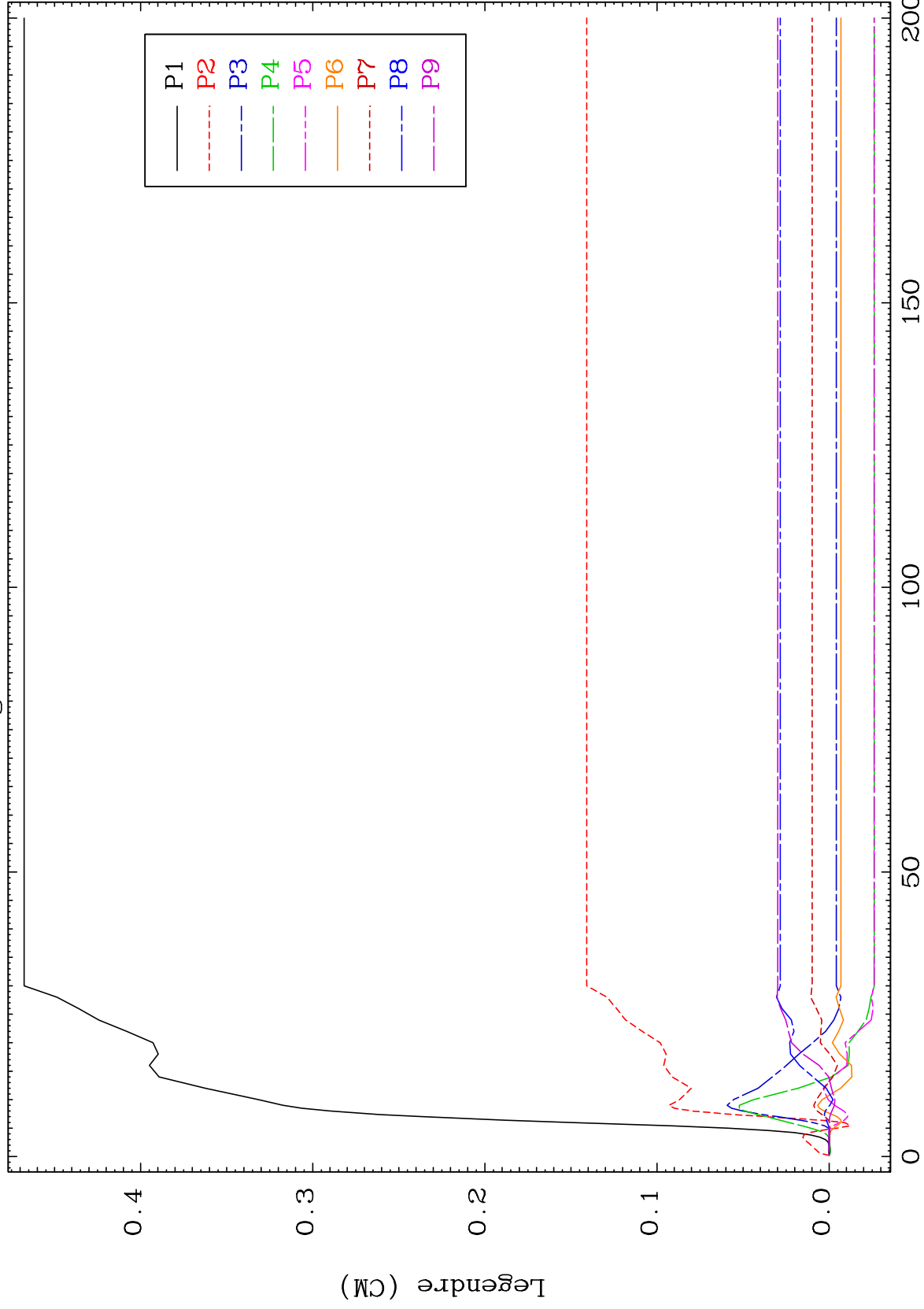




MAT 7334

143.2 keV (n,n') Level
Legendre Coefficients

73-Ta-183



23

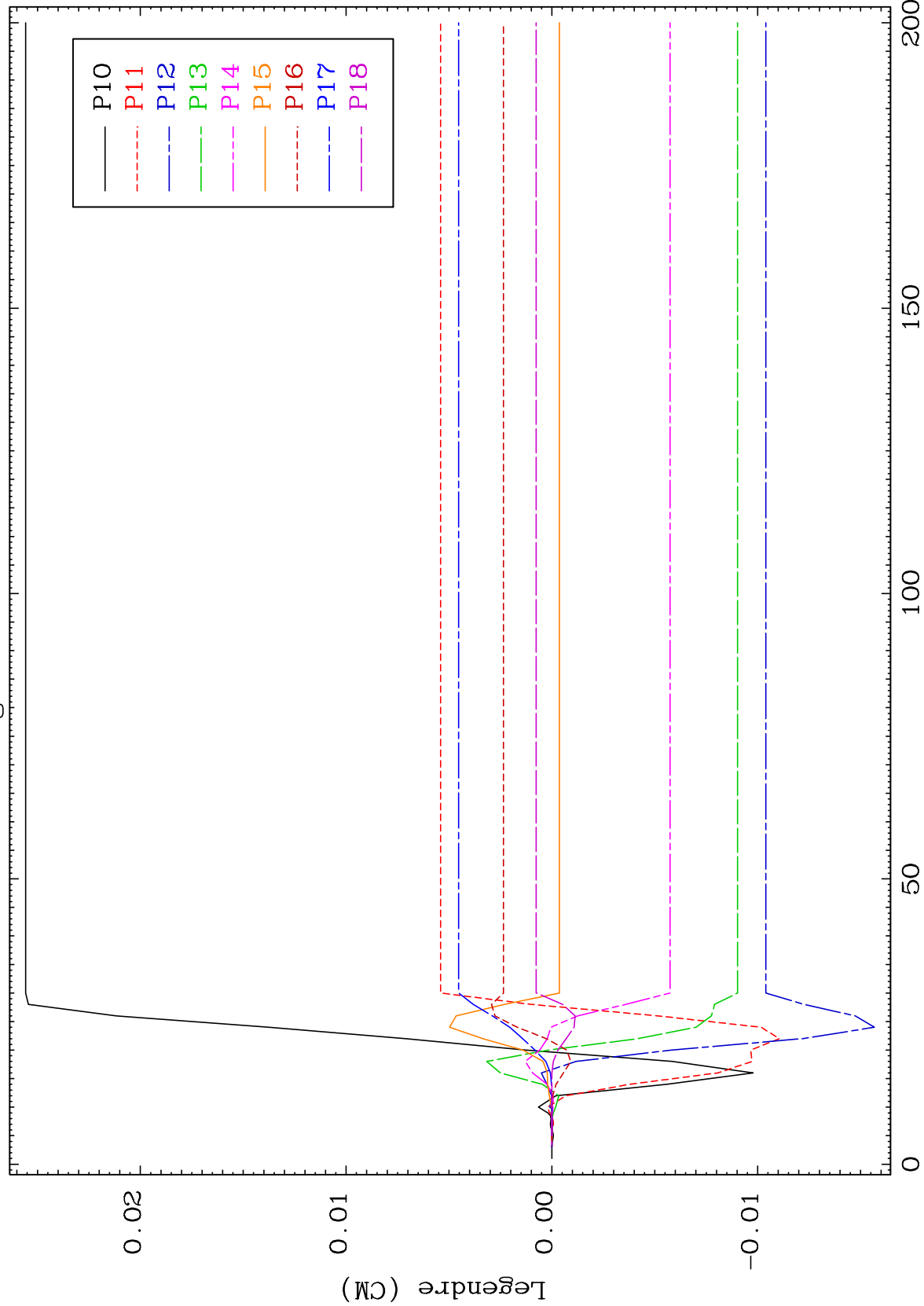
Incident Energy (MeV)

73-Ta-183

MAT 7334

143.2 keV (n,n') Level
Legendre Coefficients

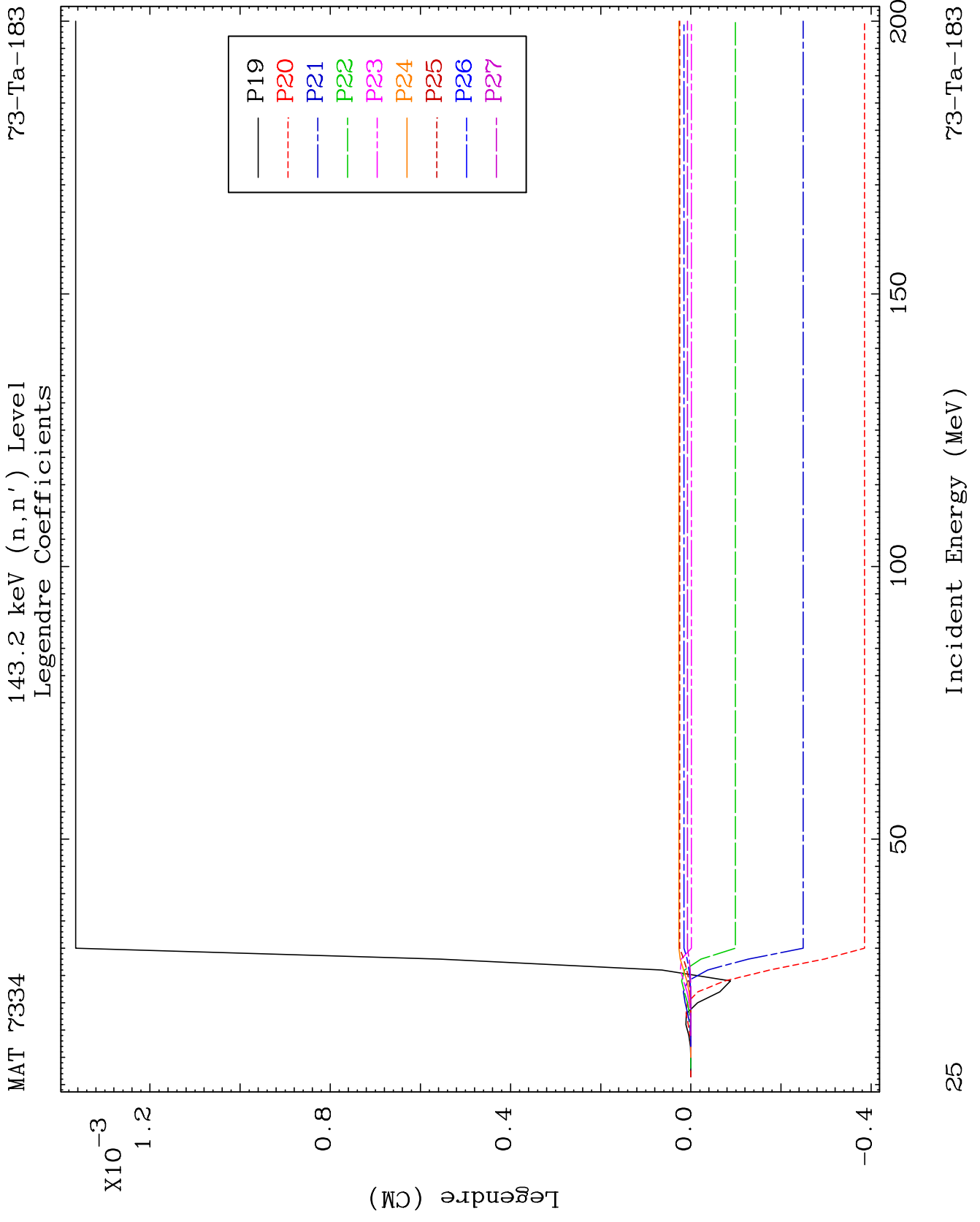
73-Ta-183



24

Incident Energy (MeV)

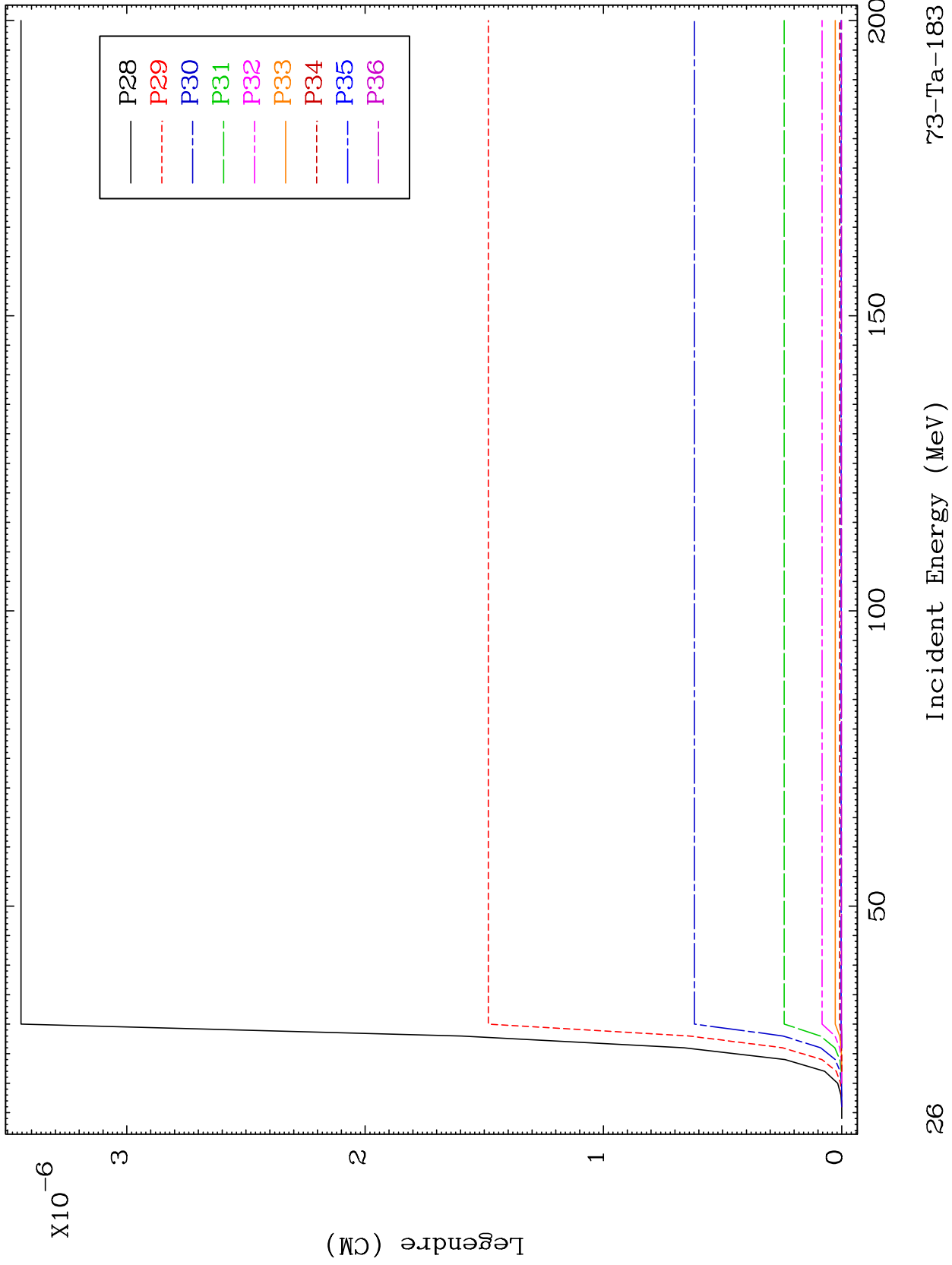
73-Ta-183



MAT 7334

143.2 keV (n,n') Level
Legendre Coefficients

73-Ta-183

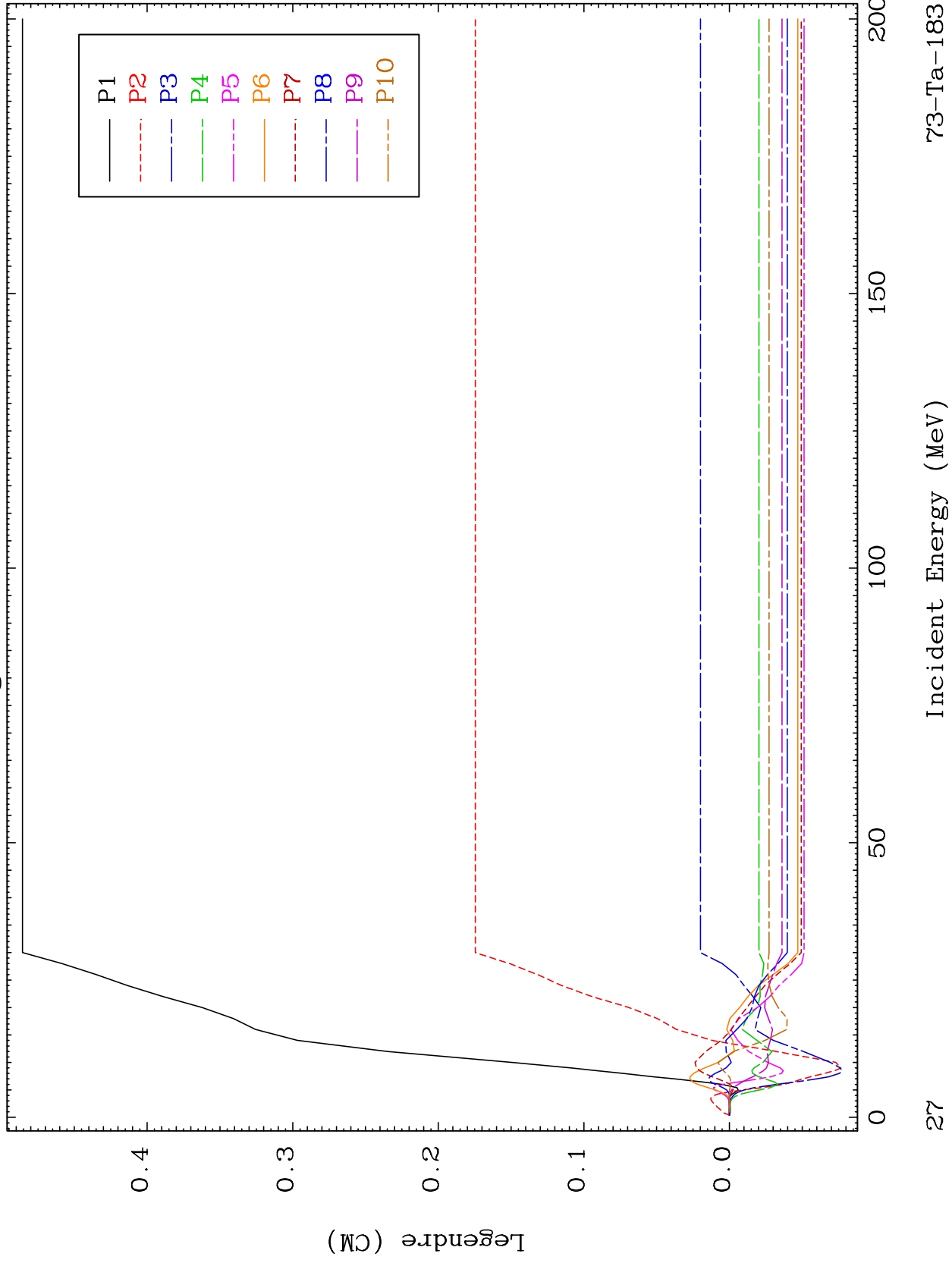


26

MAT 7334

368.3 keV (n,n') Level
Legendre Coefficients

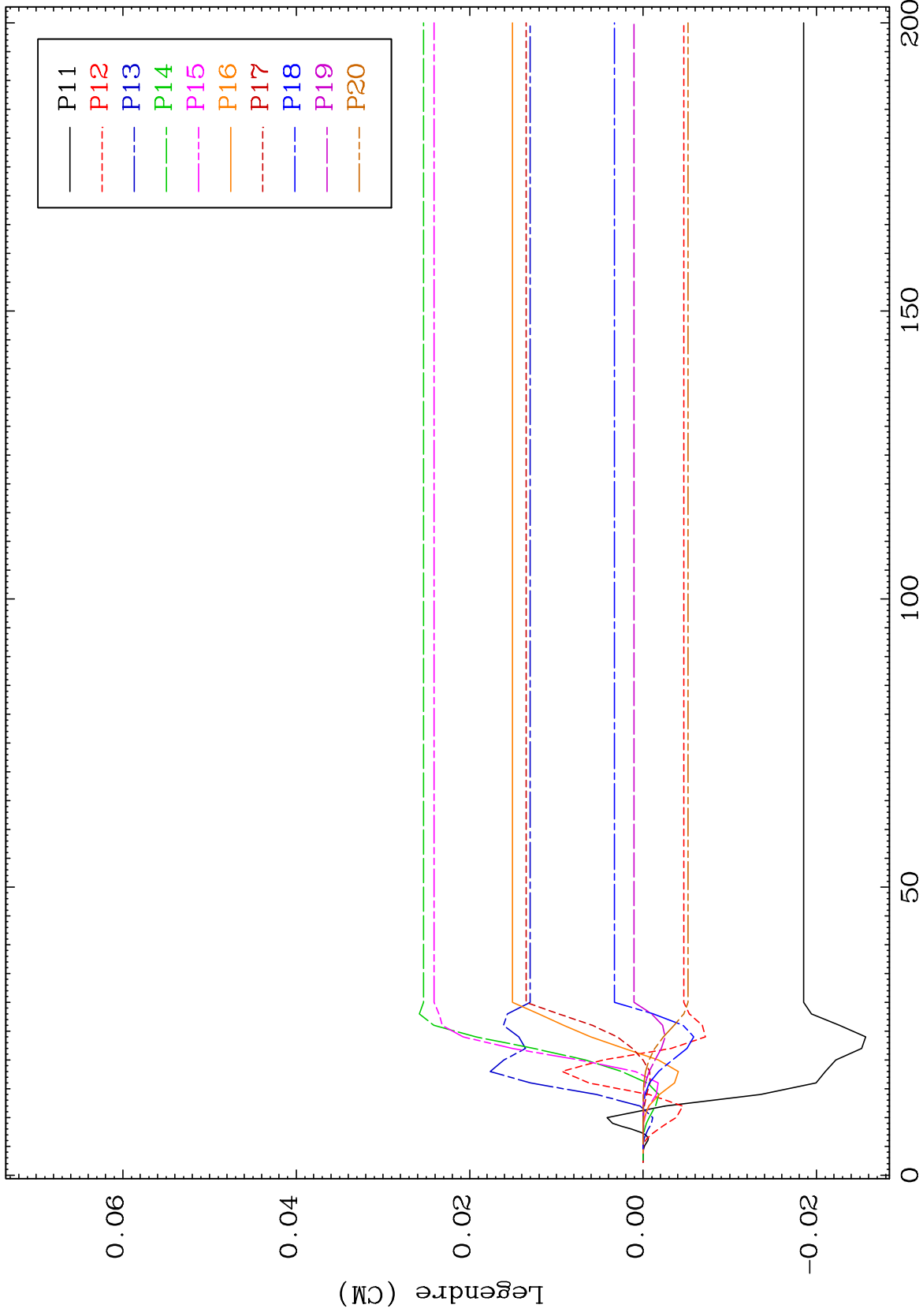
73-Ta-183



MAT 7334

368.3 keV (n,n') Level
Legendre Coefficients

73-Ta-183



28

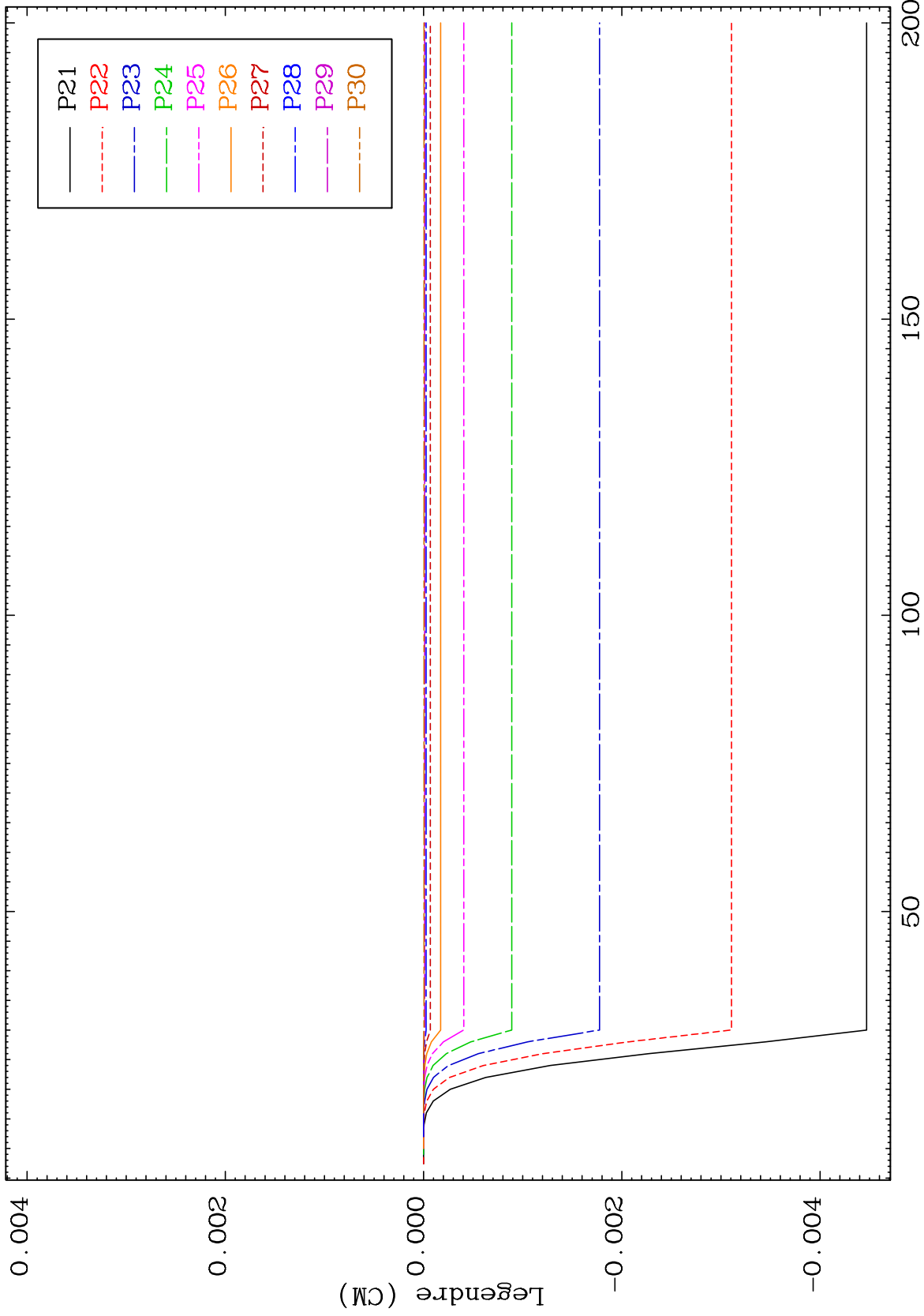
Incident Energy (MeV)

73-Ta-183

MAT 7334

368.3 keV (n,n') Level
Legendre Coefficients

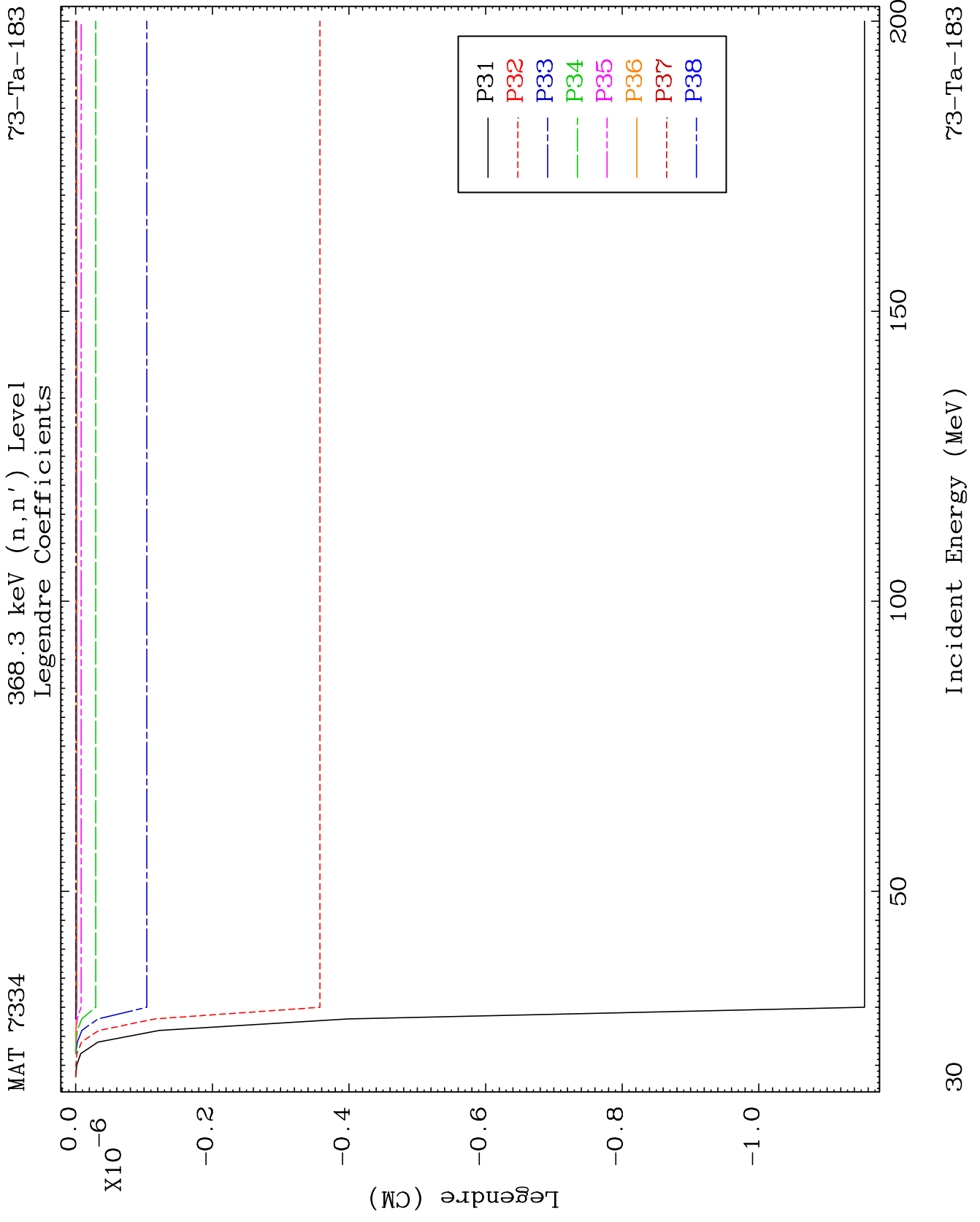
73-Ta-183

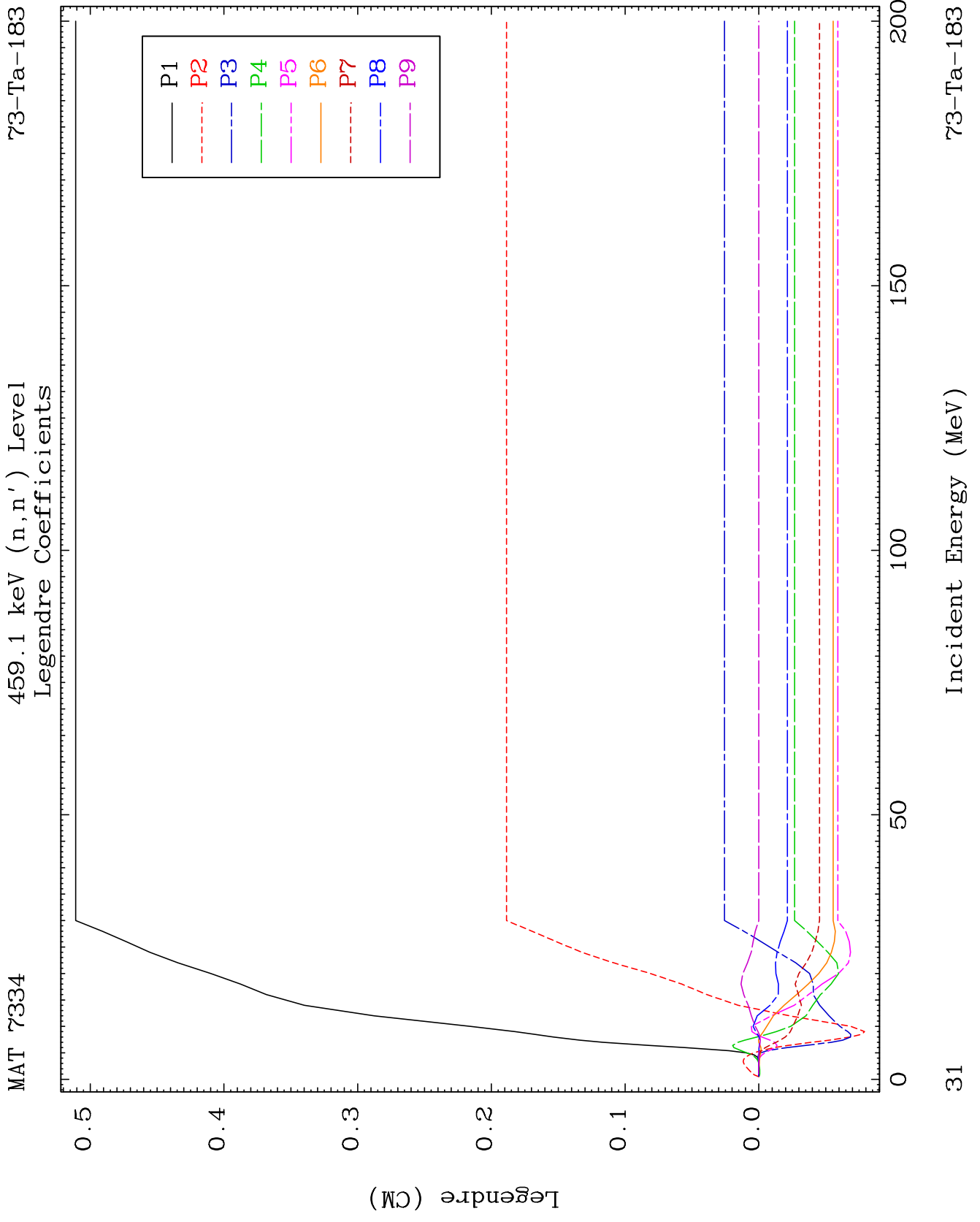


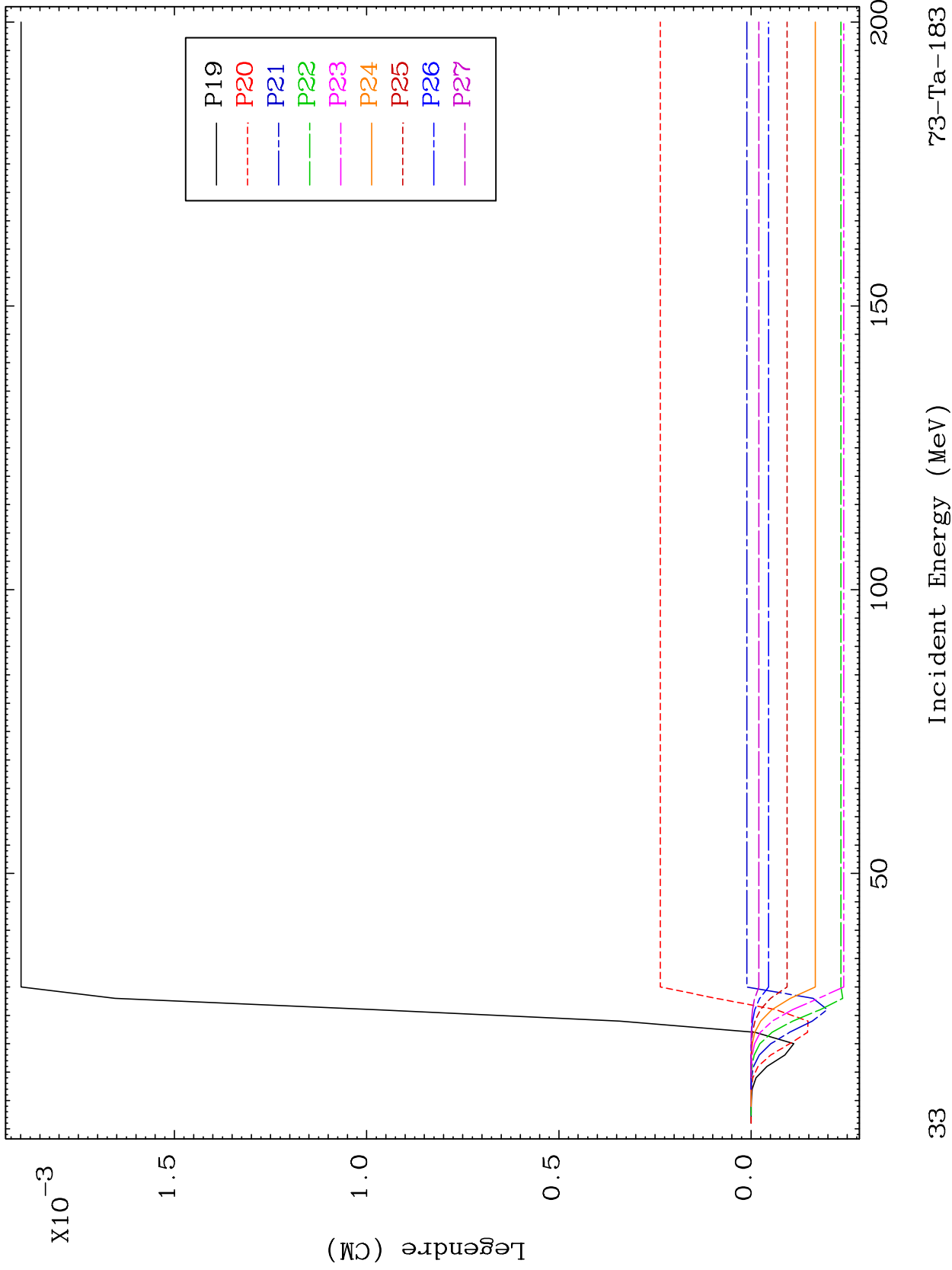
29

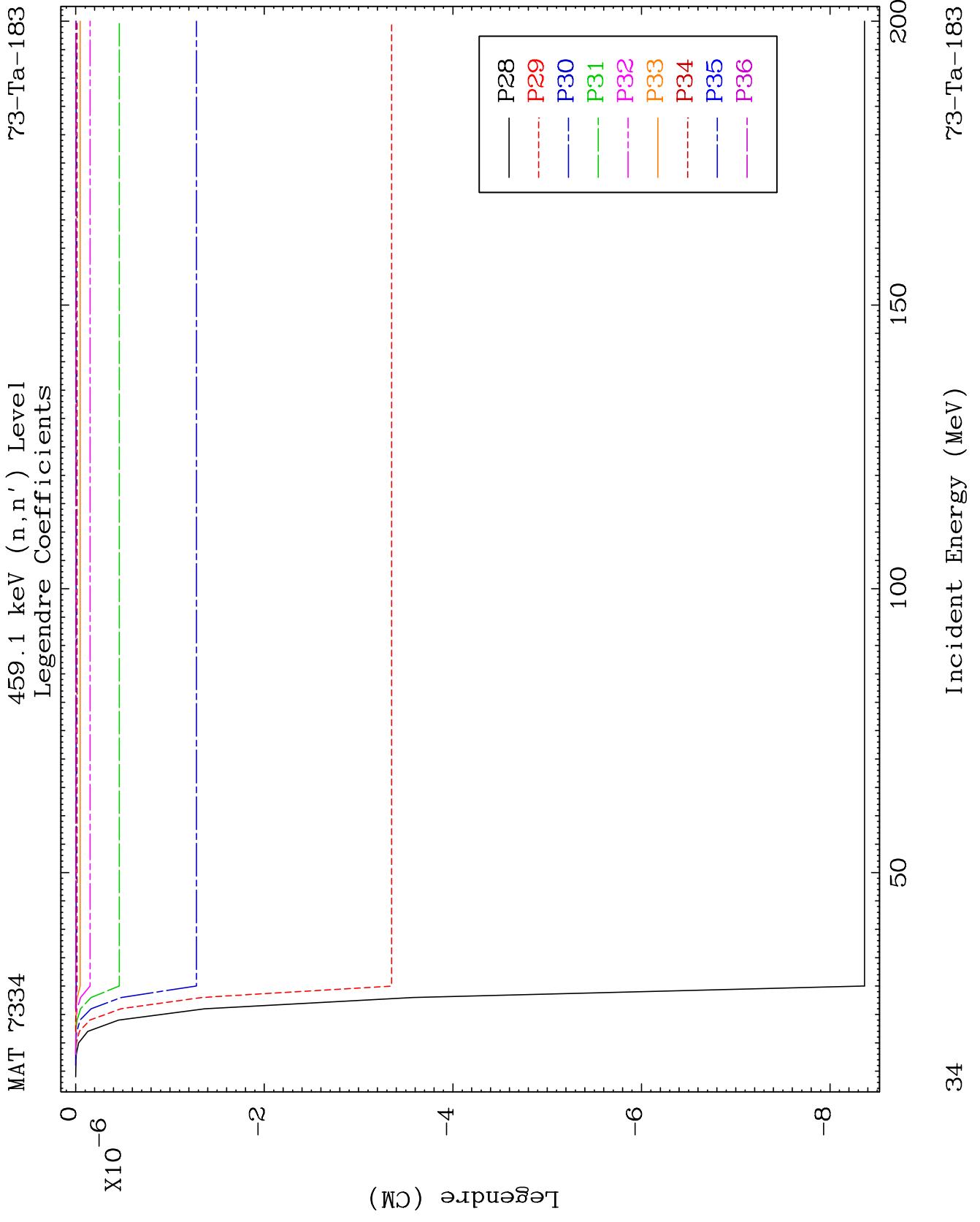
Incident Energy (MeV)

73-Ta-183





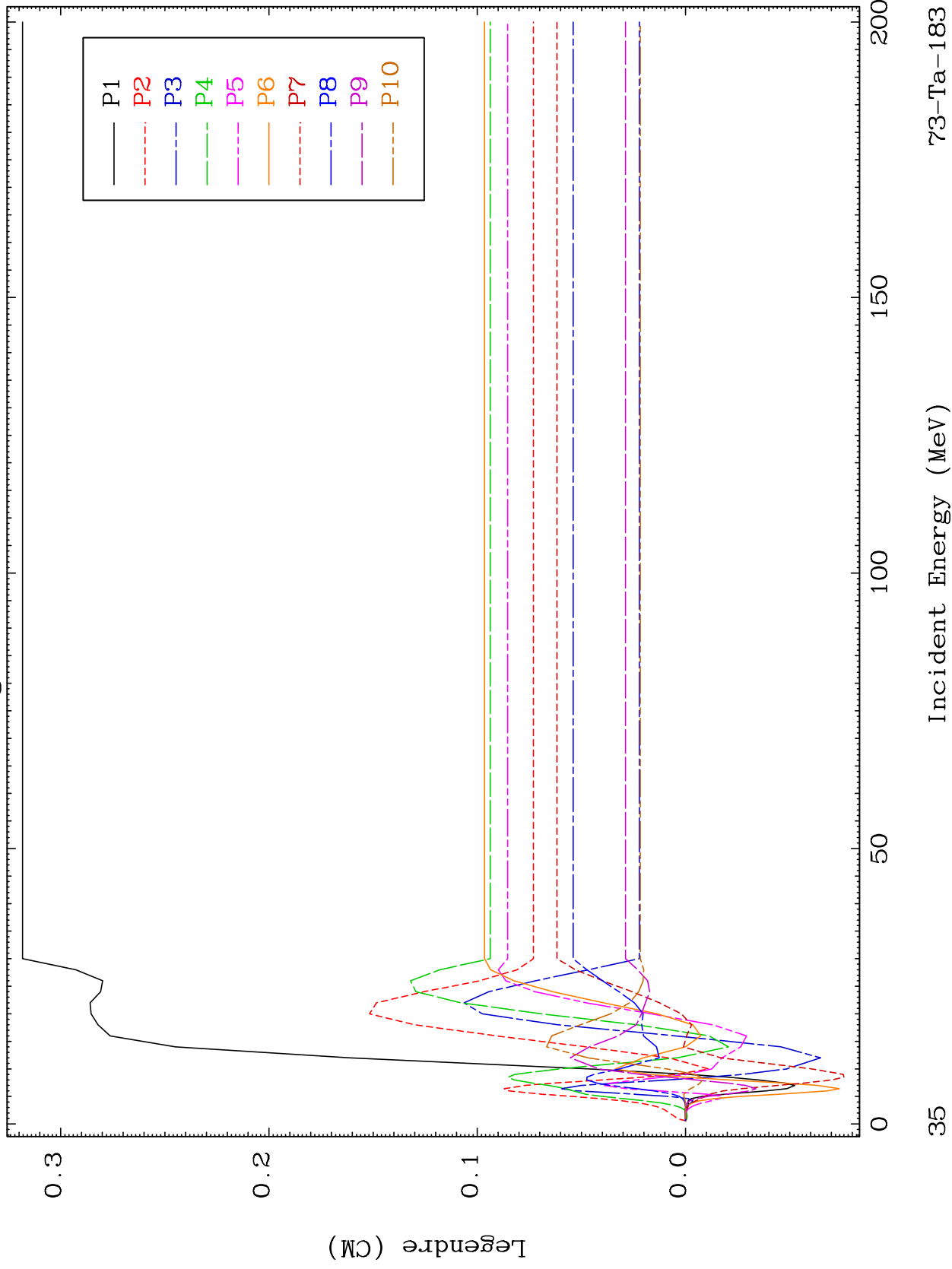




MAT 7334

545.6 keV (n,n') Level
Legendre Coefficients

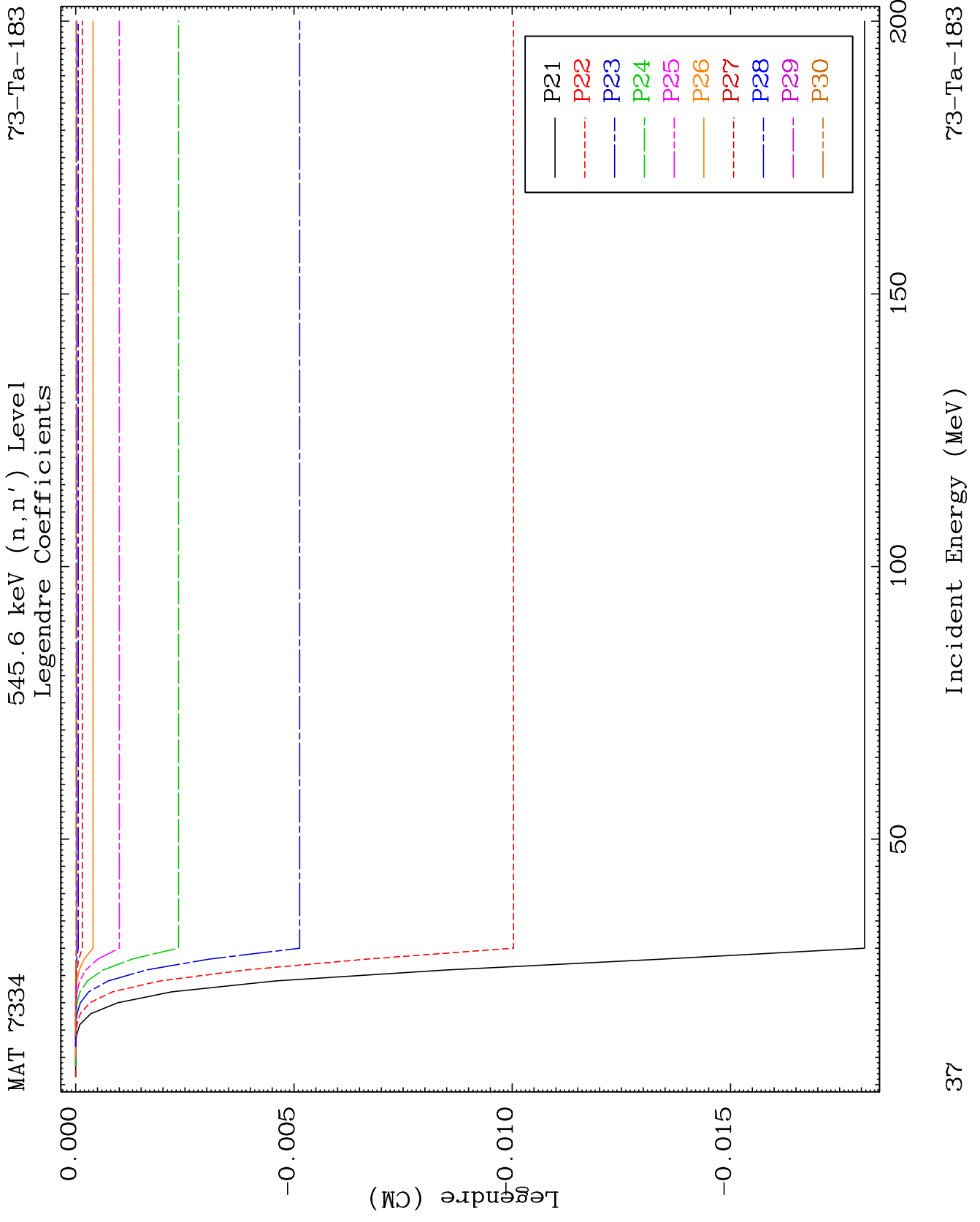
73-Ta-183

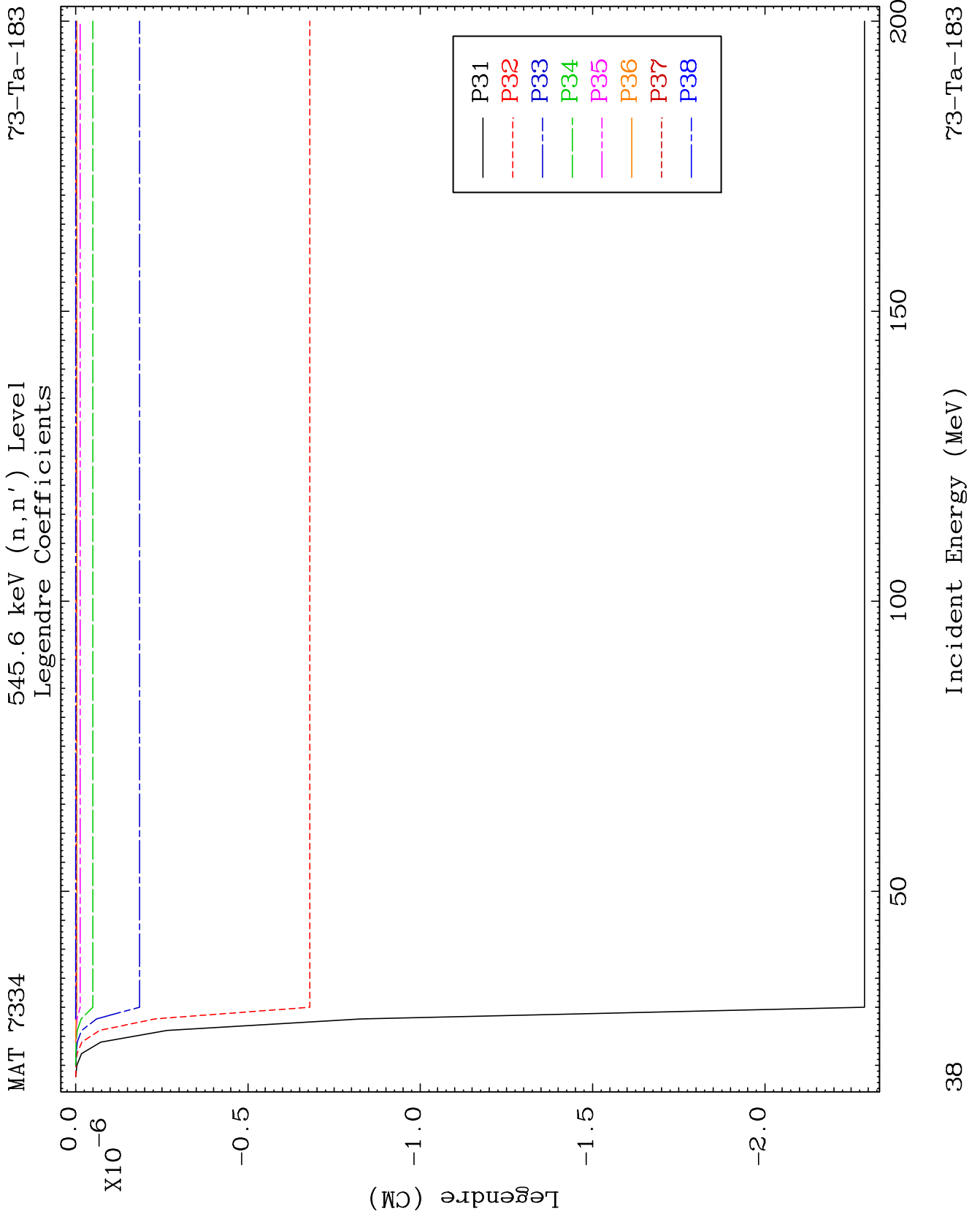


73-Ta-183

Incident Energy (MeV)

35

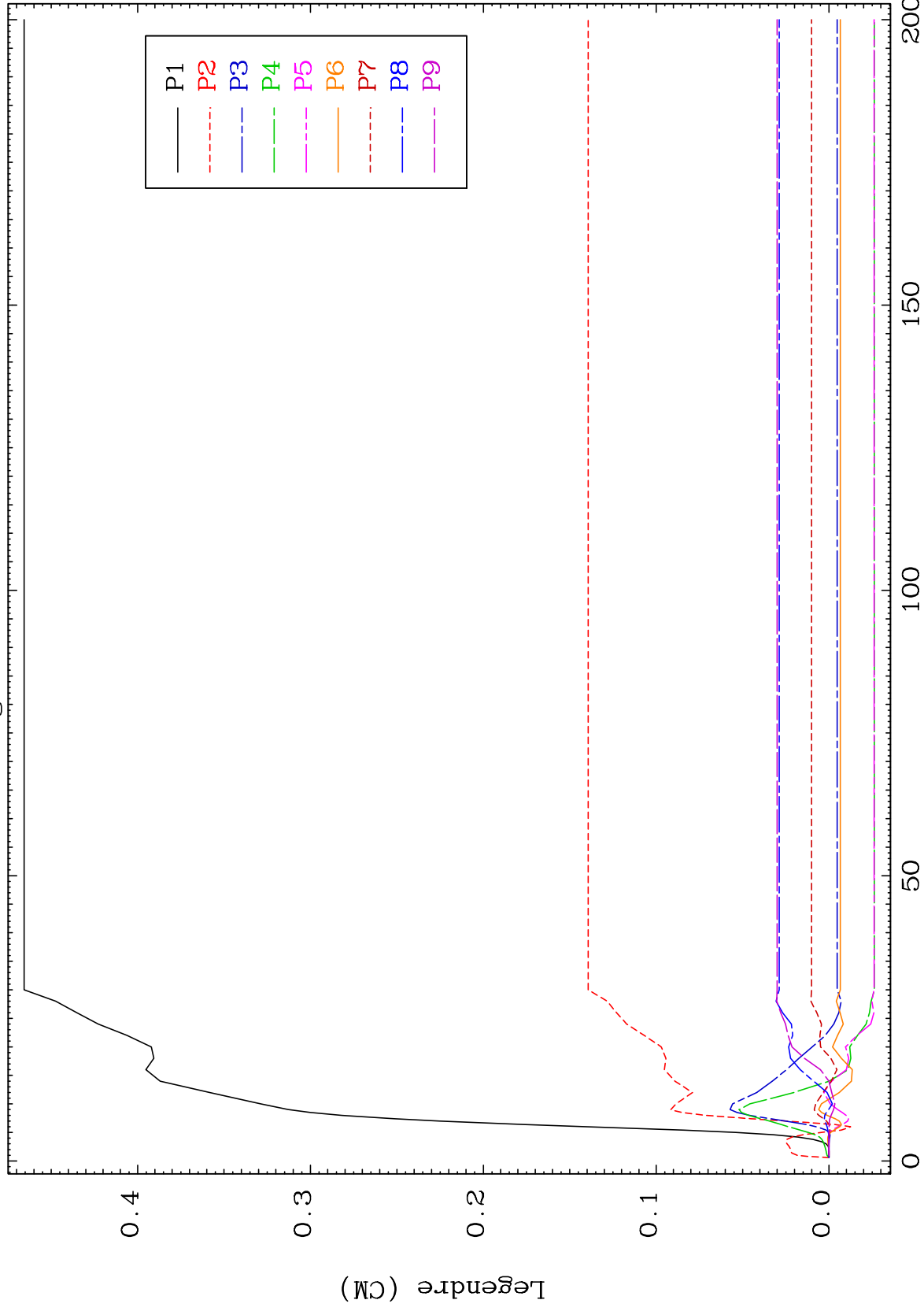




MAT 7334

572.8 keV (n,n') Level
Legendre Coefficients

73-Ta-183



39

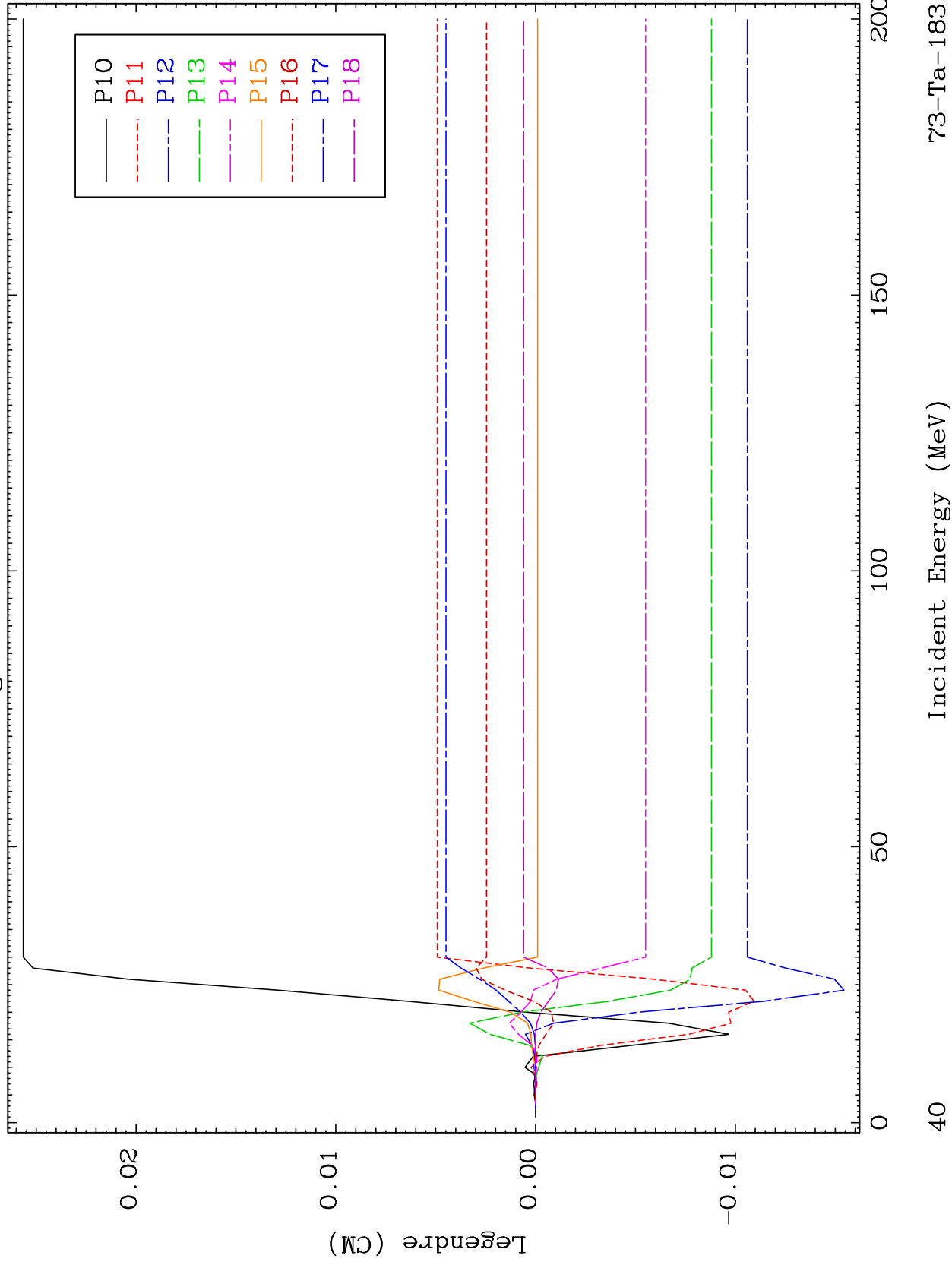
Incident Energy (MeV)

73-Ta-183

MAT 7334

572.8 keV (n,n') Level
Legendre Coefficients

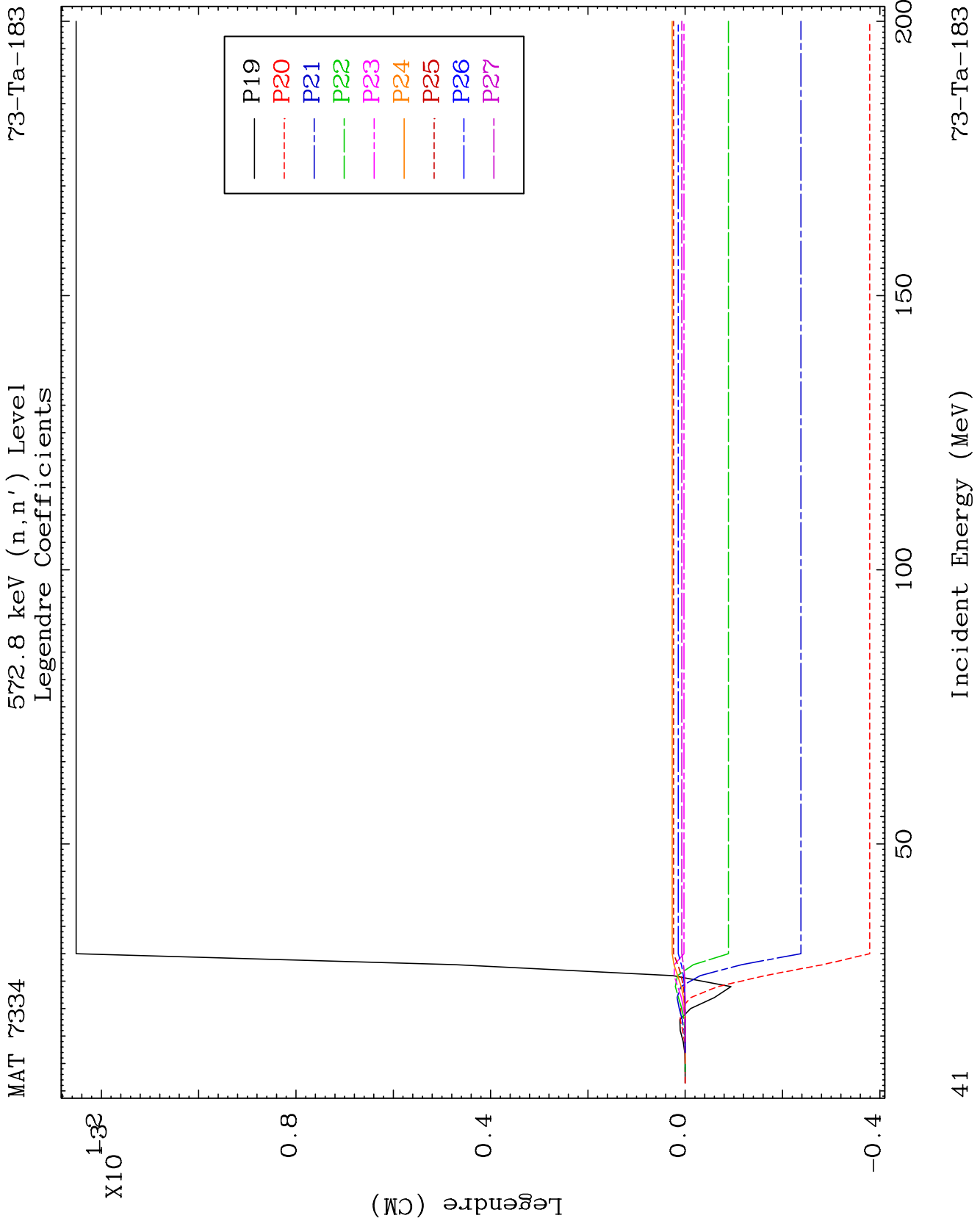
73-Ta-183

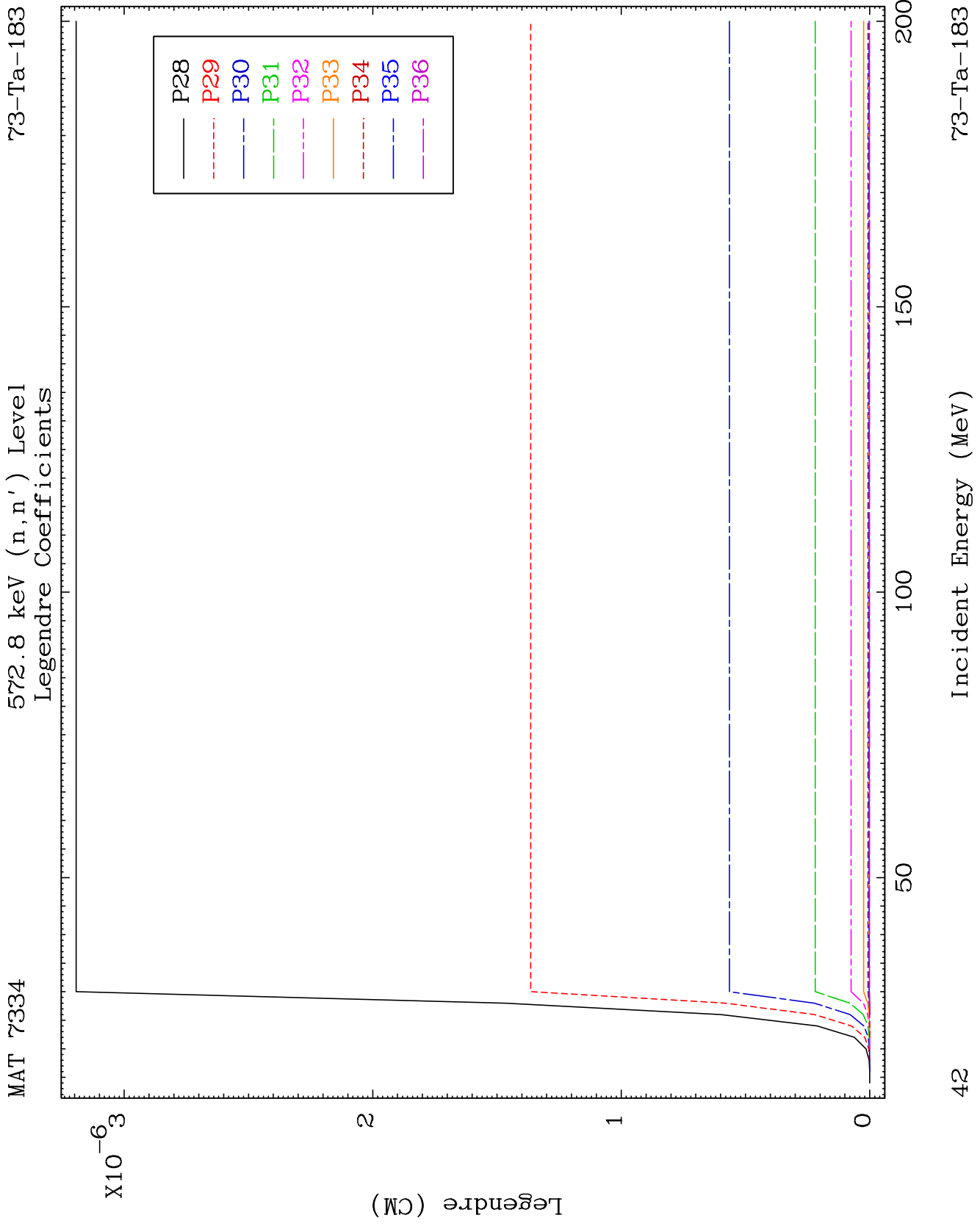


73-Ta-183

Incident Energy (MeV)

40

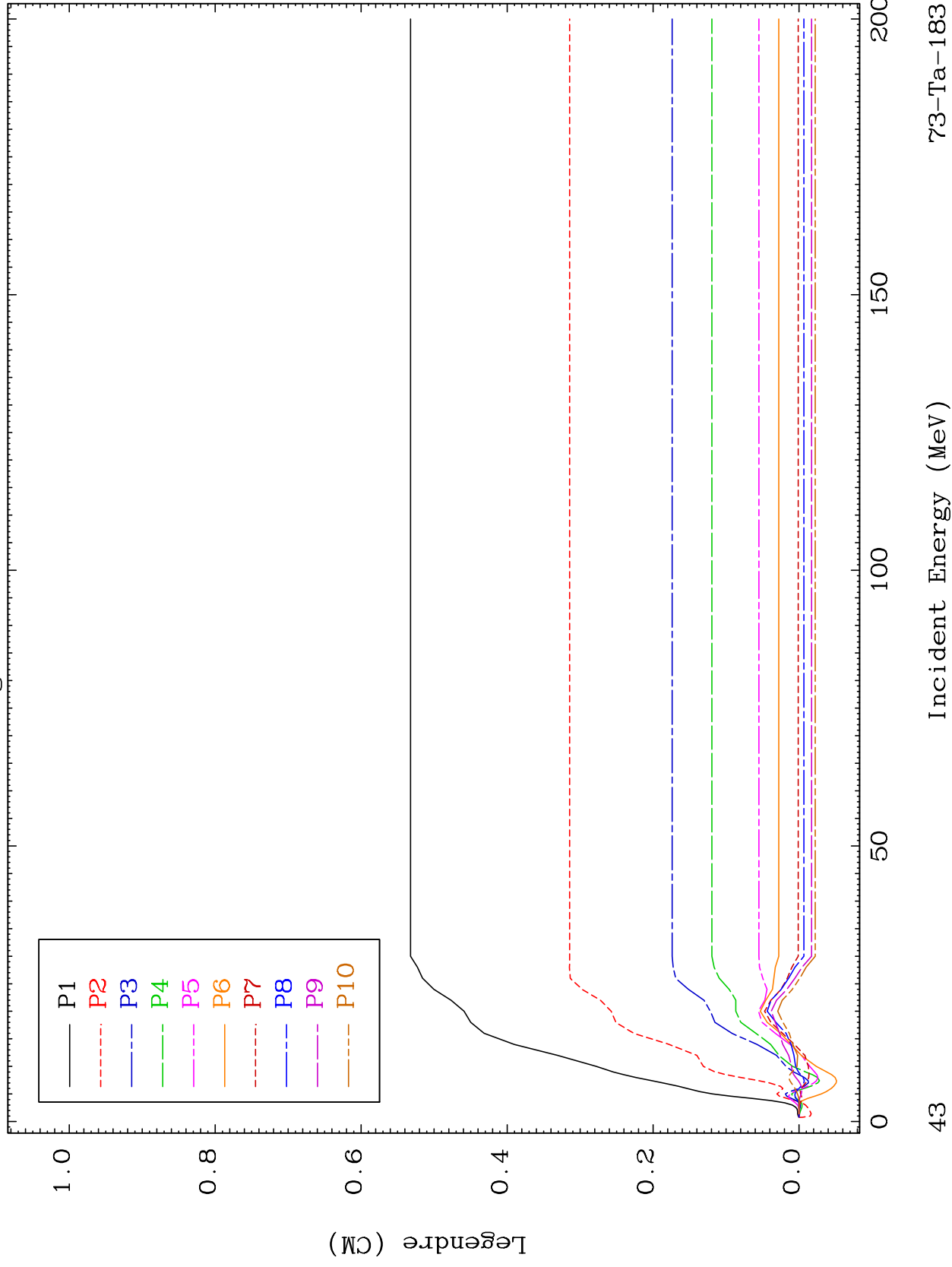




MAT 7334

730.9 keV (n, n') Level
Legendre Coefficients

73-Ta-183



73-Ta-183

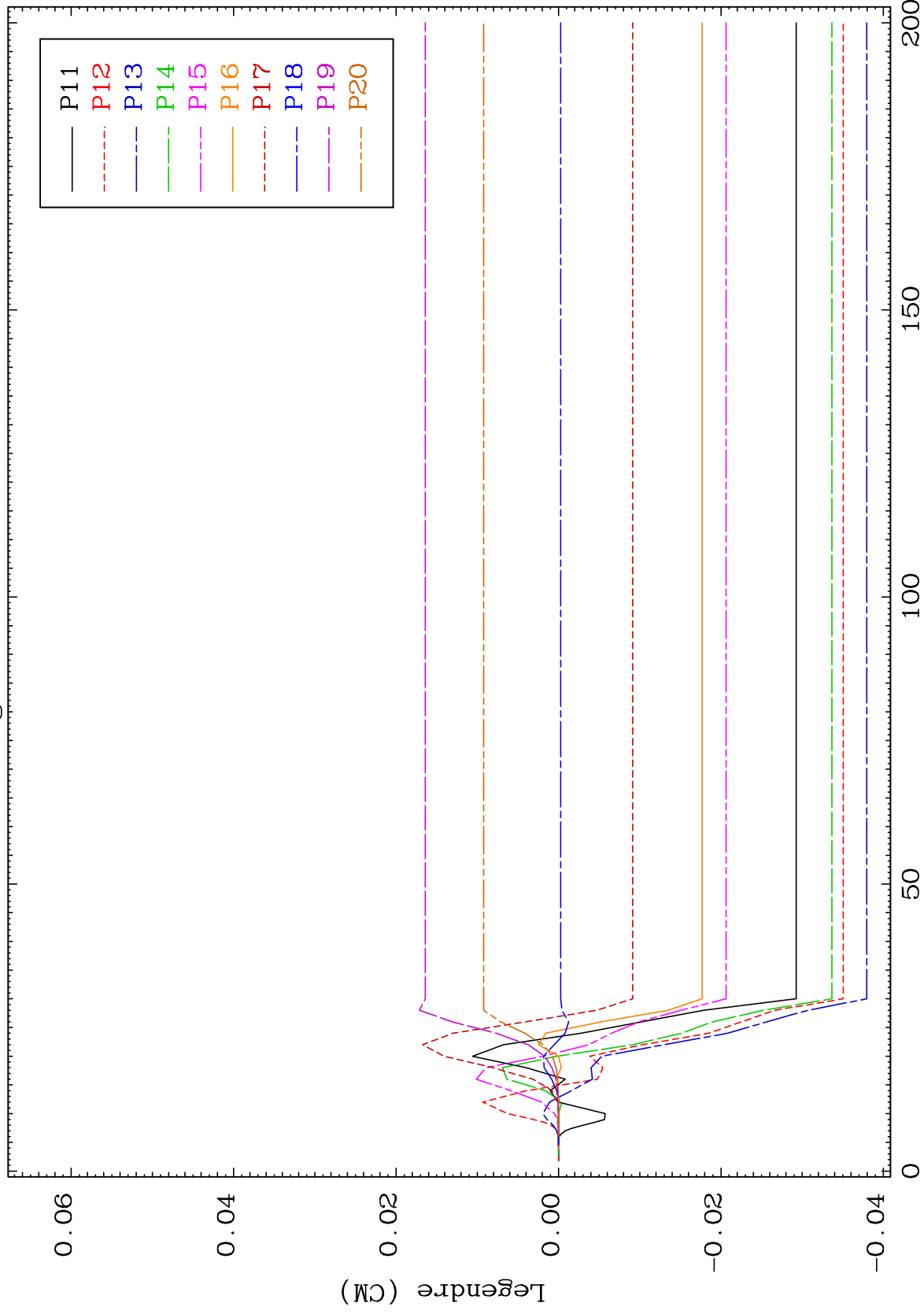
Incident Energy (MeV)

43

MAT 7334

730.9 keV (n,n') Level
Legendre Coefficients

73-Ta-183



44

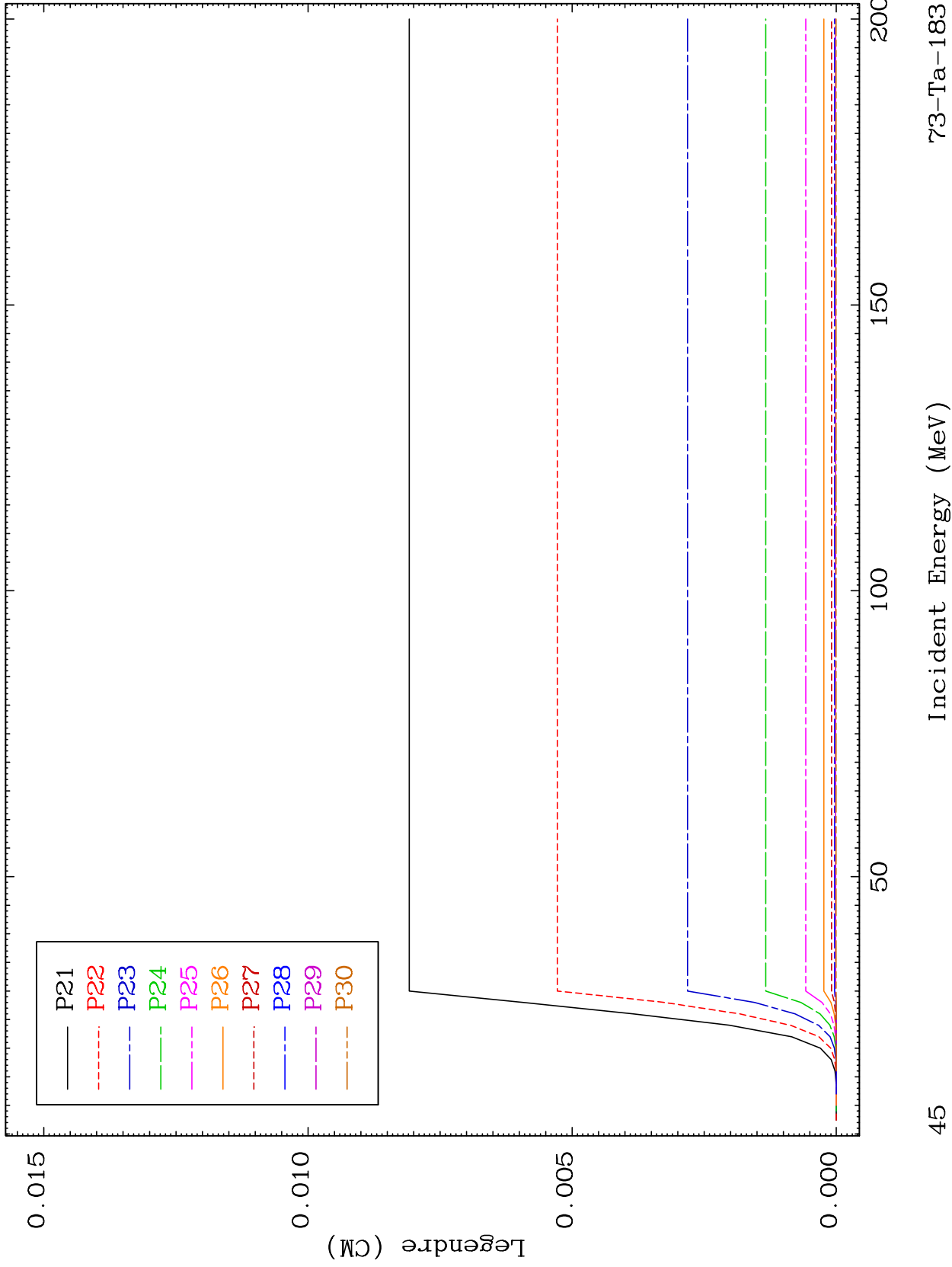
Incident Energy (MeV)

73-Ta-183

MAT 7334

730.9 keV (n,n') Level
Legendre Coefficients

73-Ta-183



45

Incident Energy (MeV)

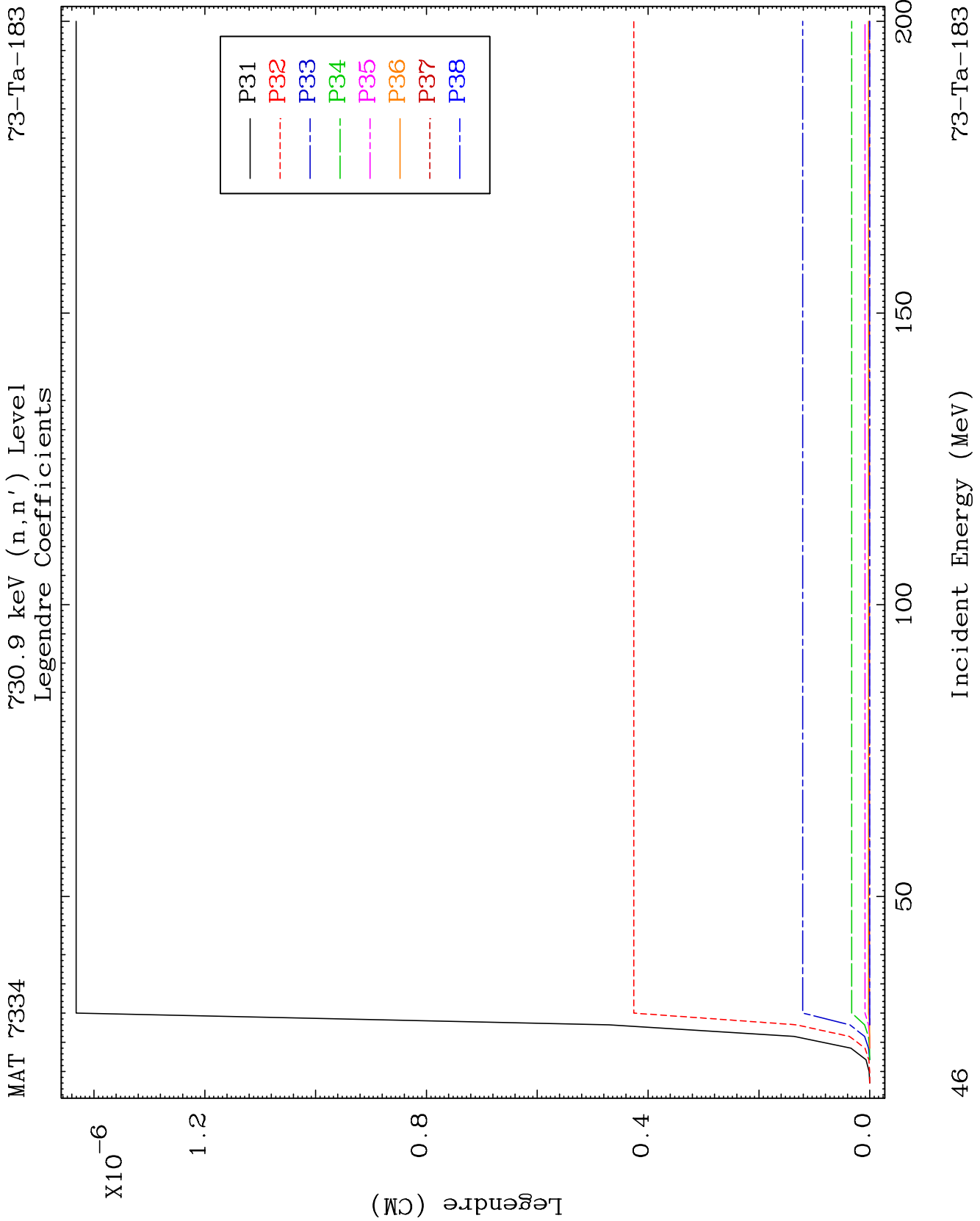
50

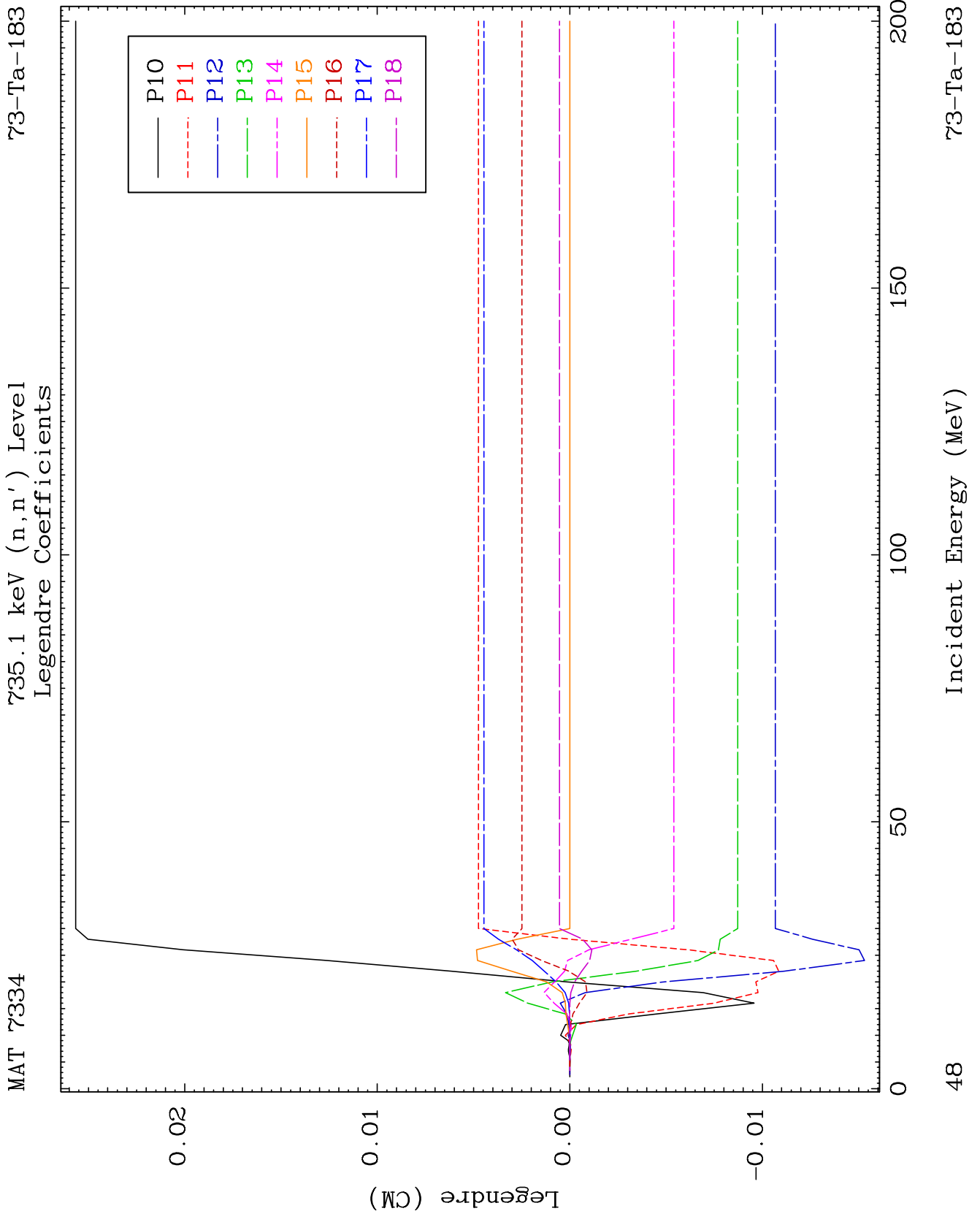
100

150

200

73-Ta-183

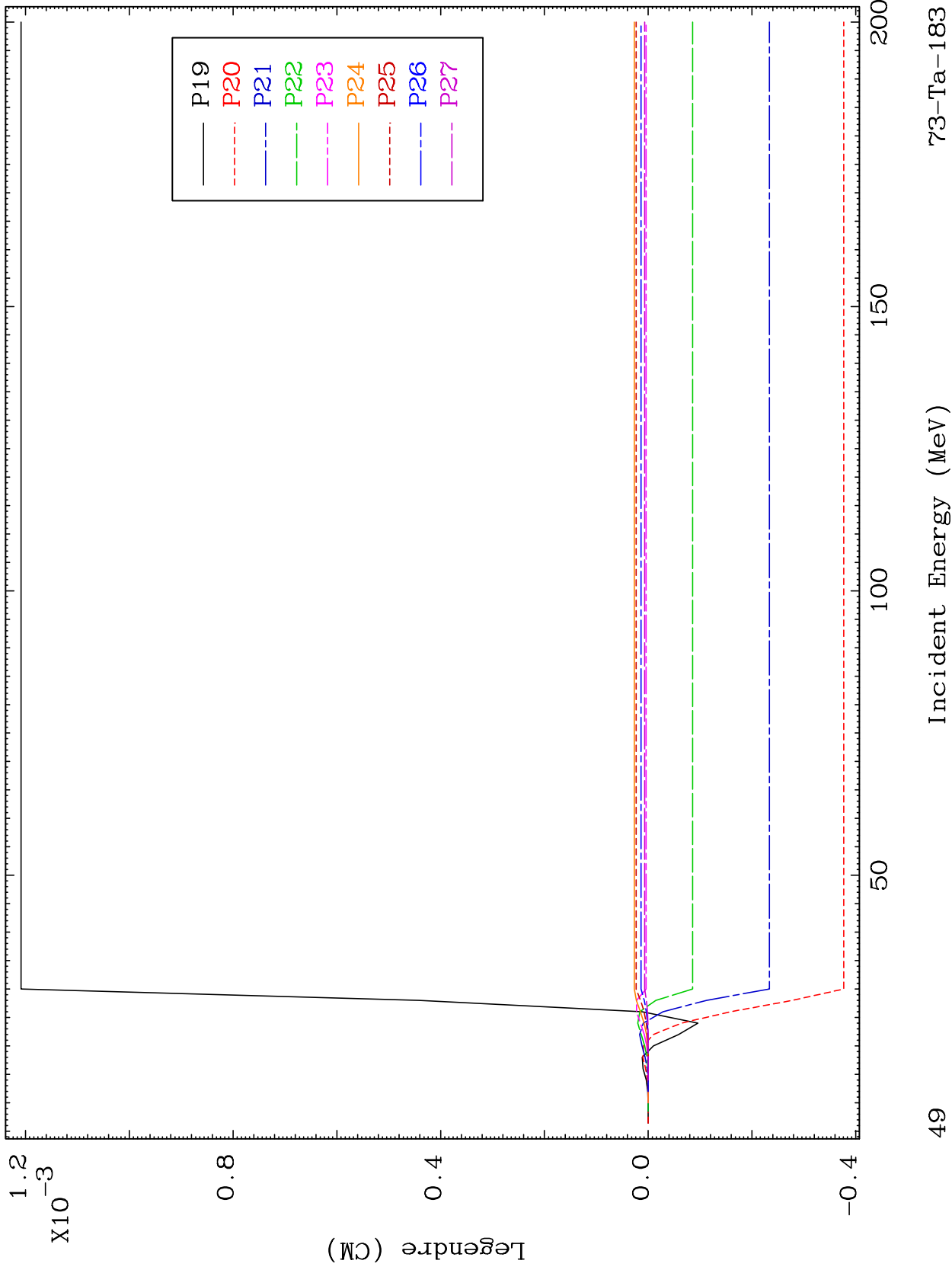




MAT 7334

735.1 keV (n,n') Level
Legendre Coefficients

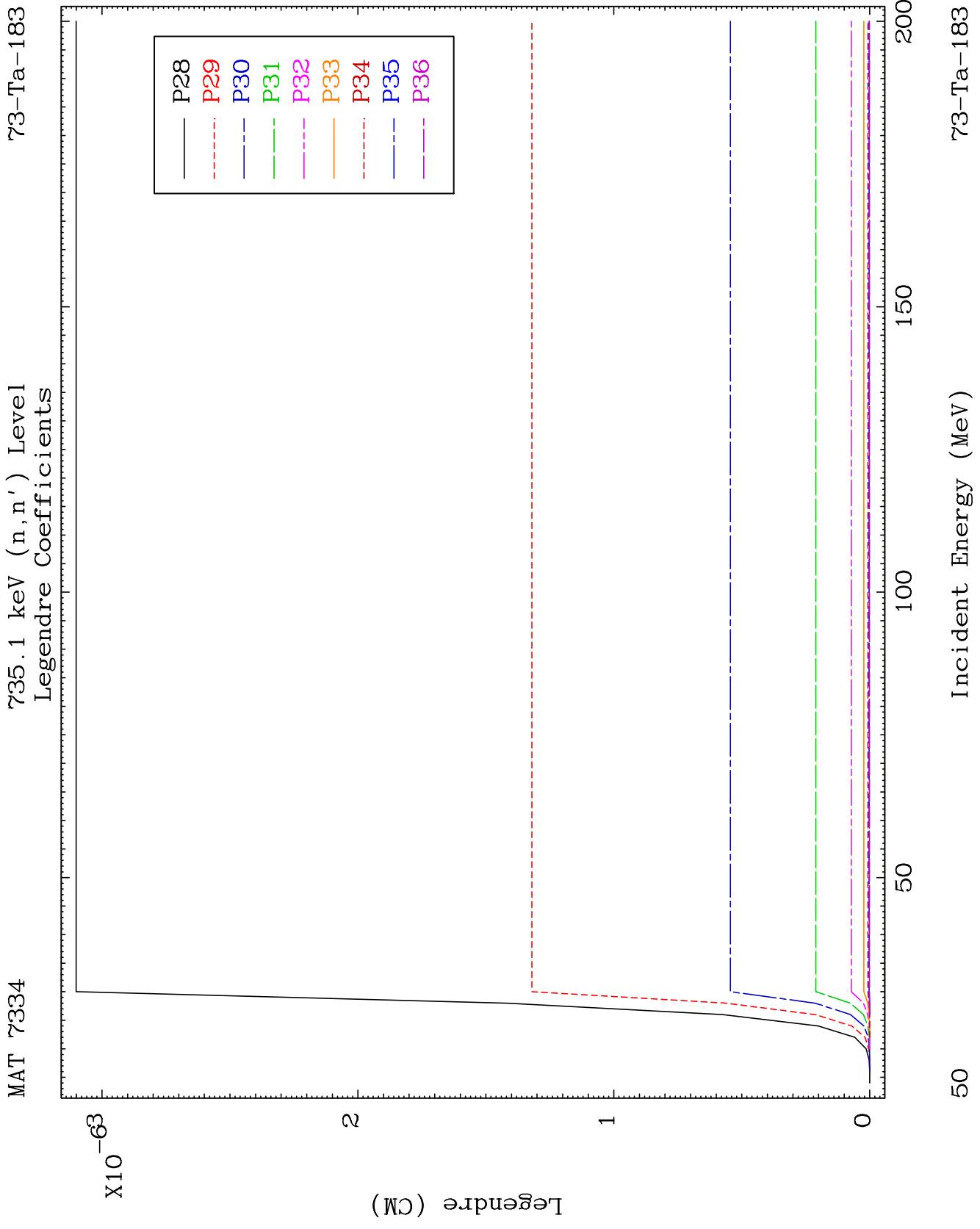
73-Ta-183



49

Incident Energy (MeV)

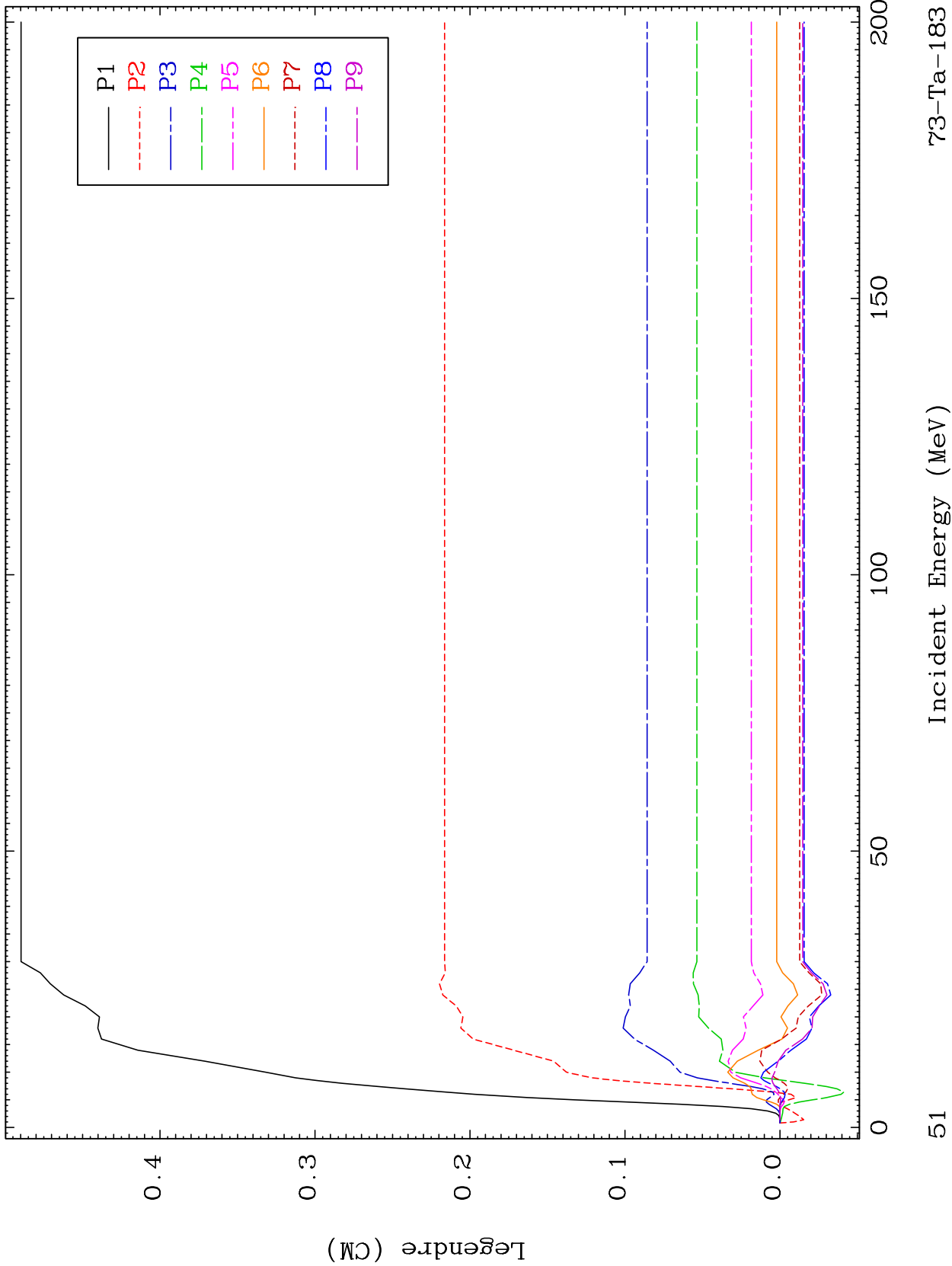
73-Ta-183



MAT 7334

806.4 keV (n,n') Level
Legendre Coefficients

73-Ta-183



51

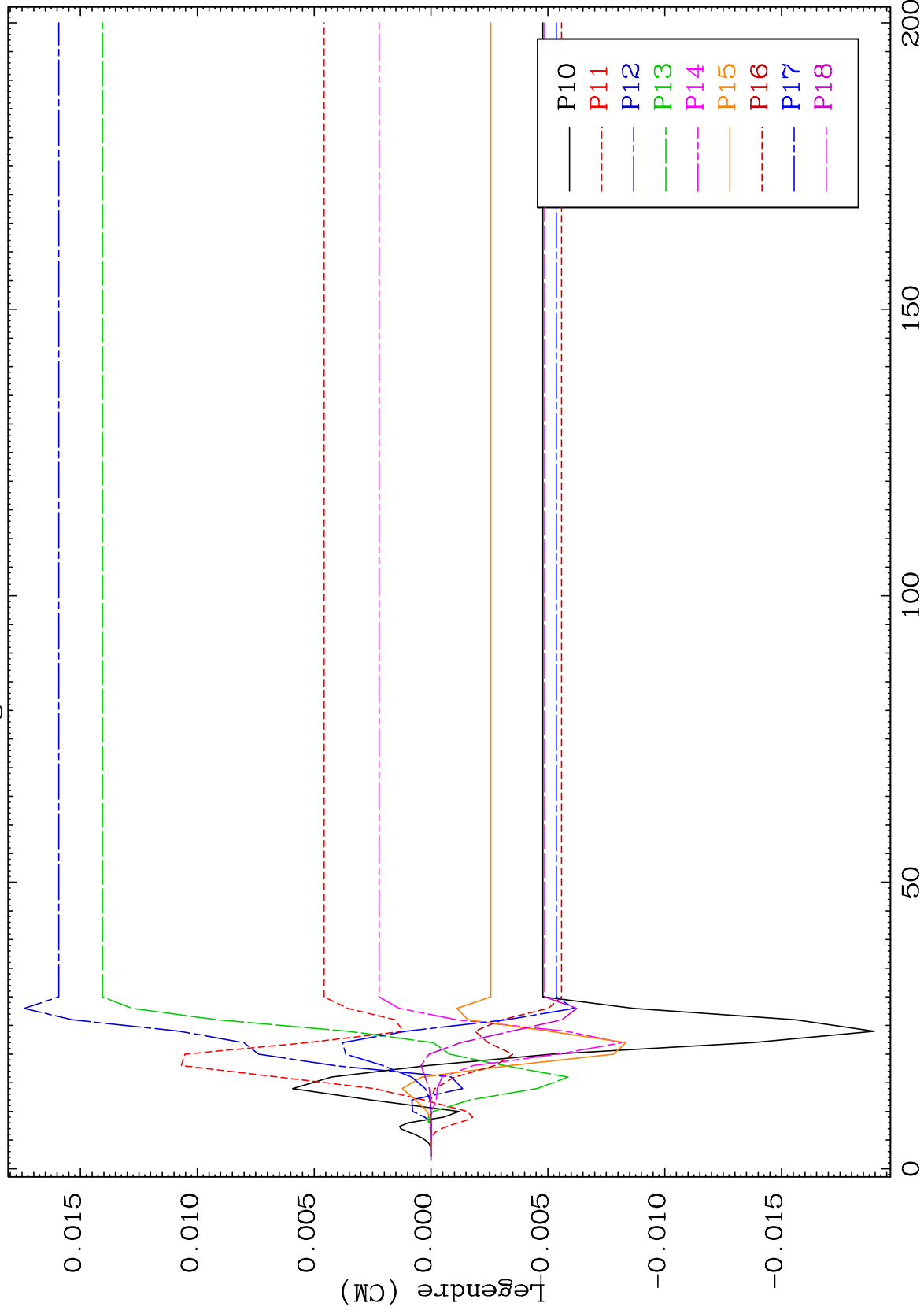
Incident Energy (MeV)

73-Ta-183

MAT 7334

806.4 keV (n,n') Level
Legendre Coefficients

73-Ta-183



52

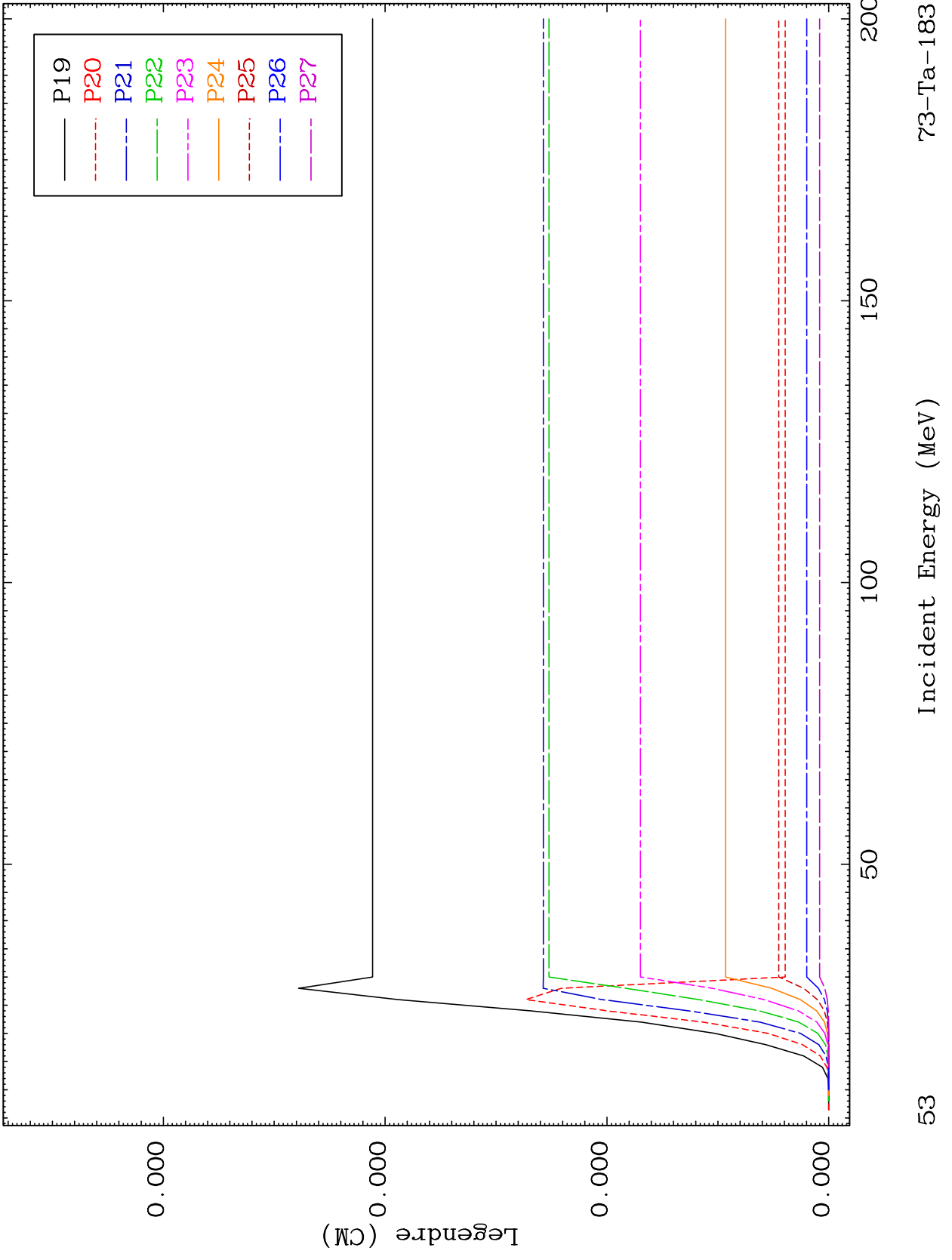
Incident Energy (MeV)

73-Ta-183

MAT 7334

806.4 keV (n,n') Level
Legendre Coefficients

73-Ta-183

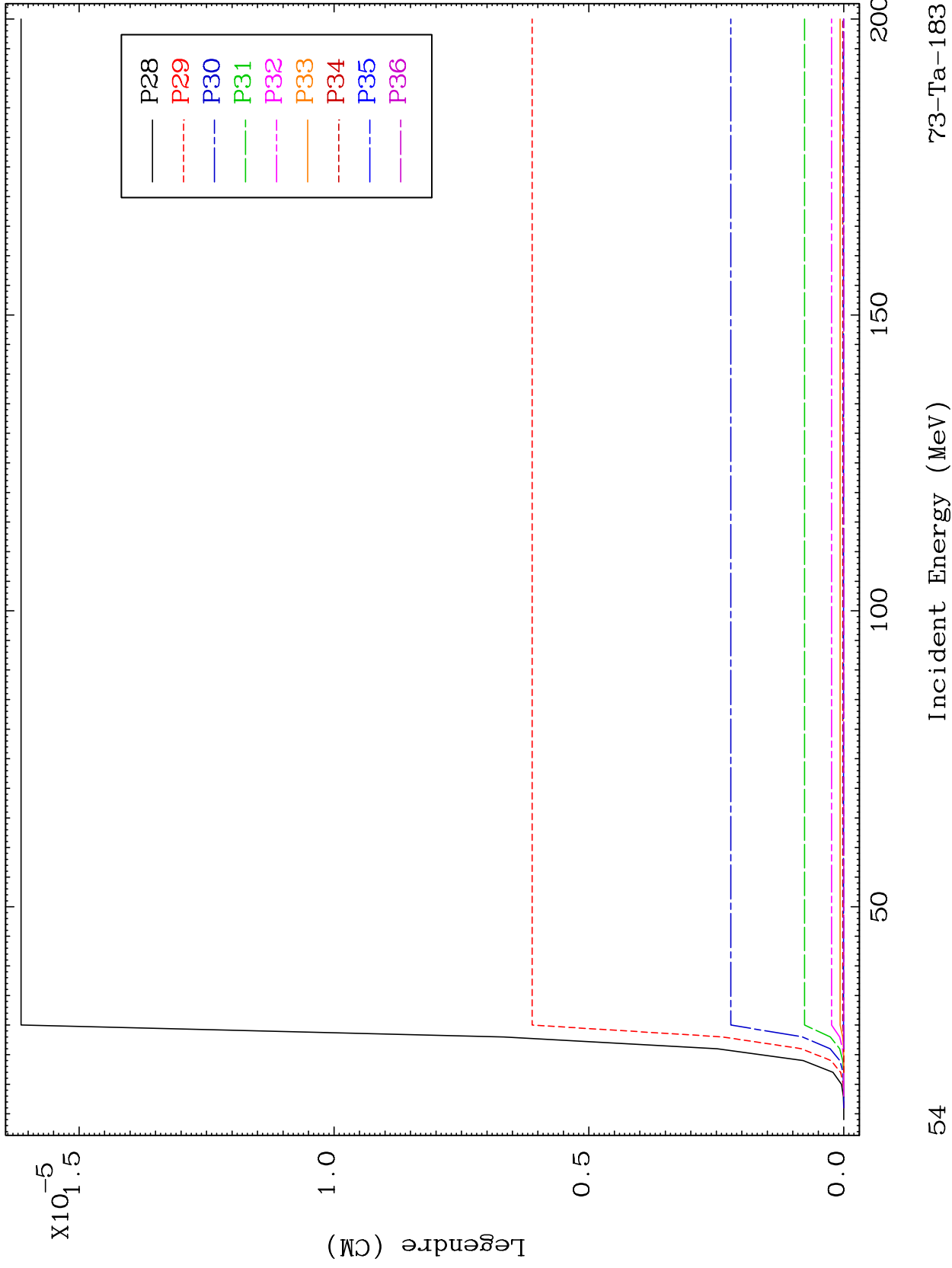


53

MAT 7334

806.4 keV (n,n') Level
Legendre Coefficients

73-Ta-183

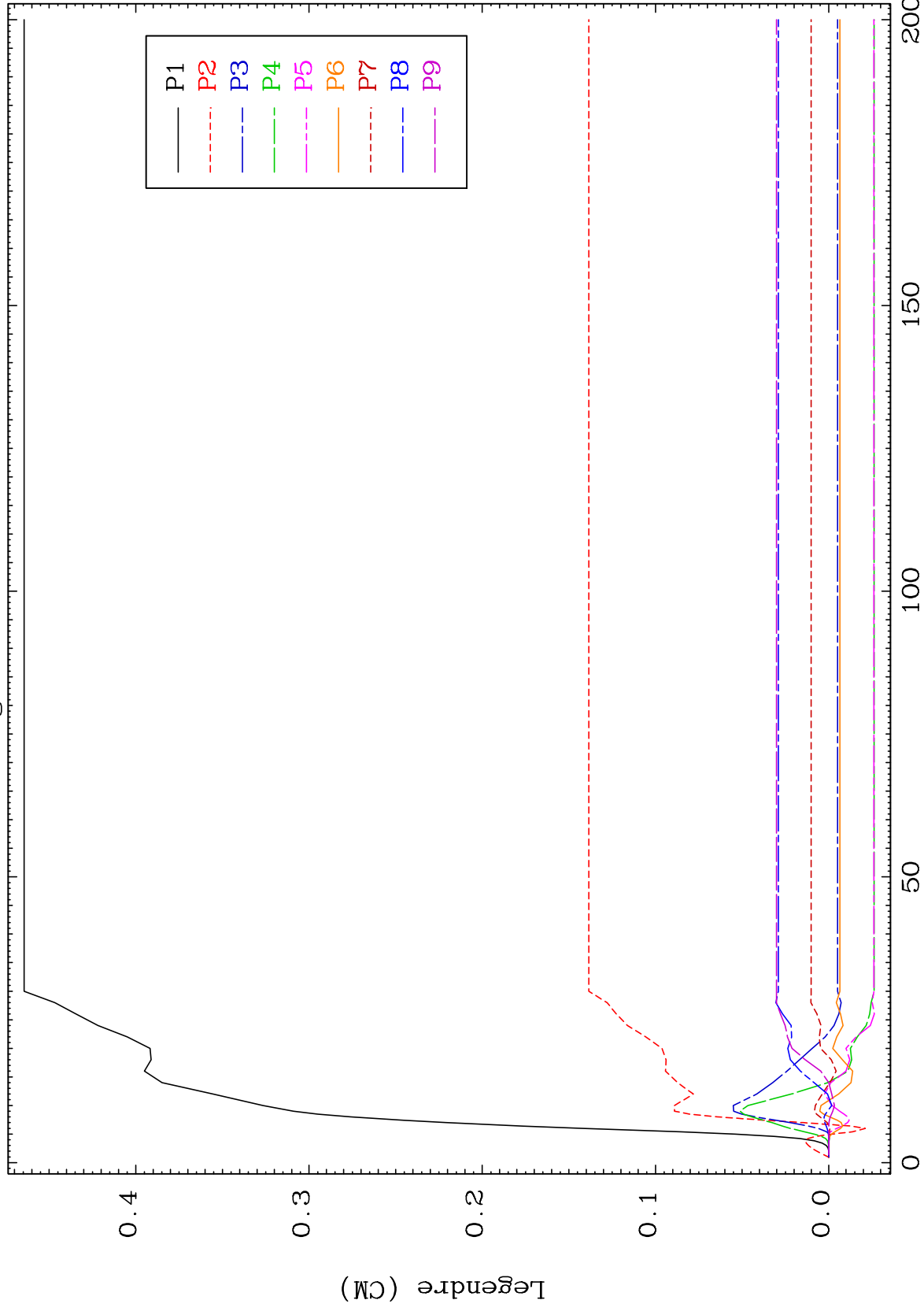


54

MAT 7334

856.9 keV (n,n') Level
Legendre Coefficients

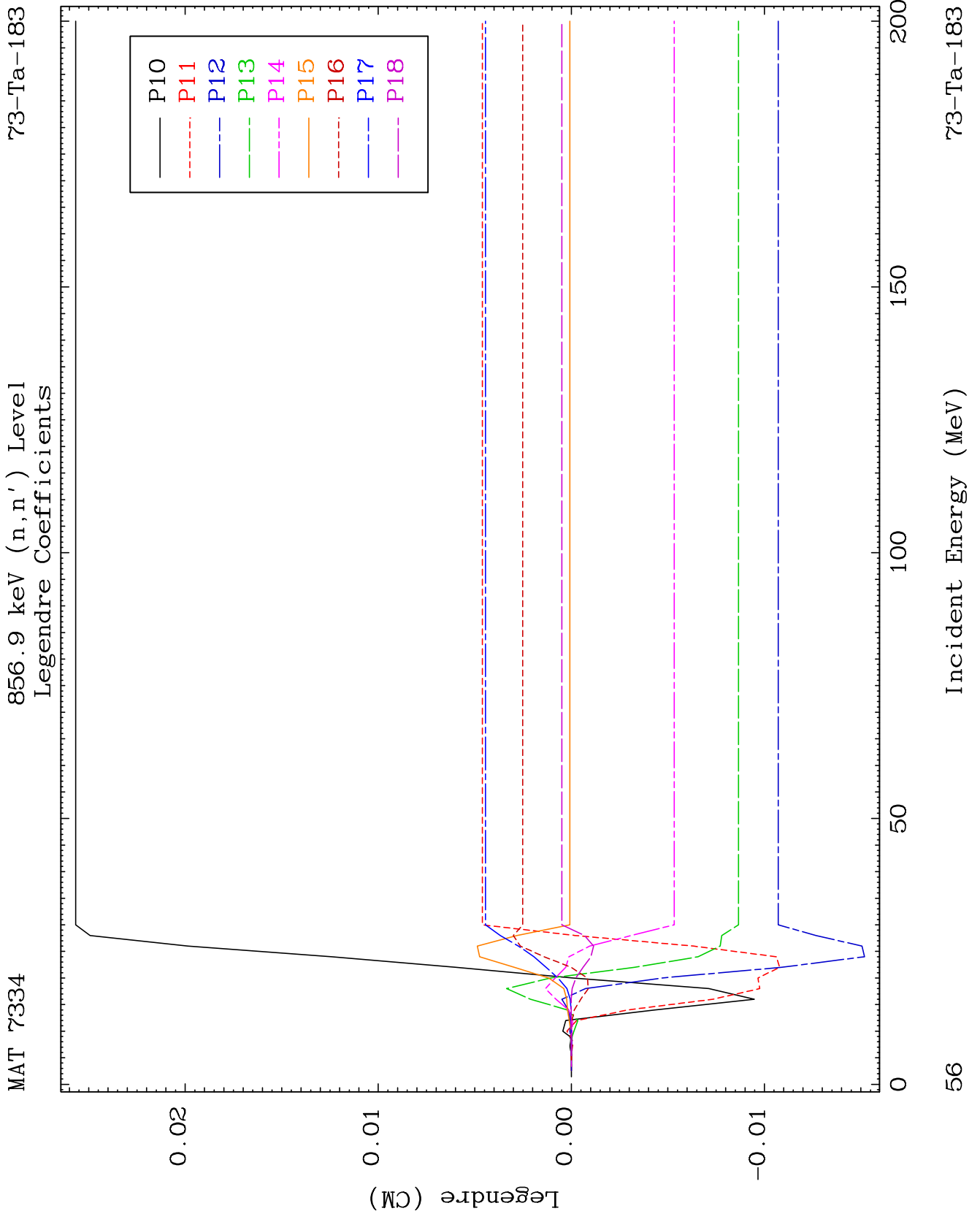
73-Ta-183

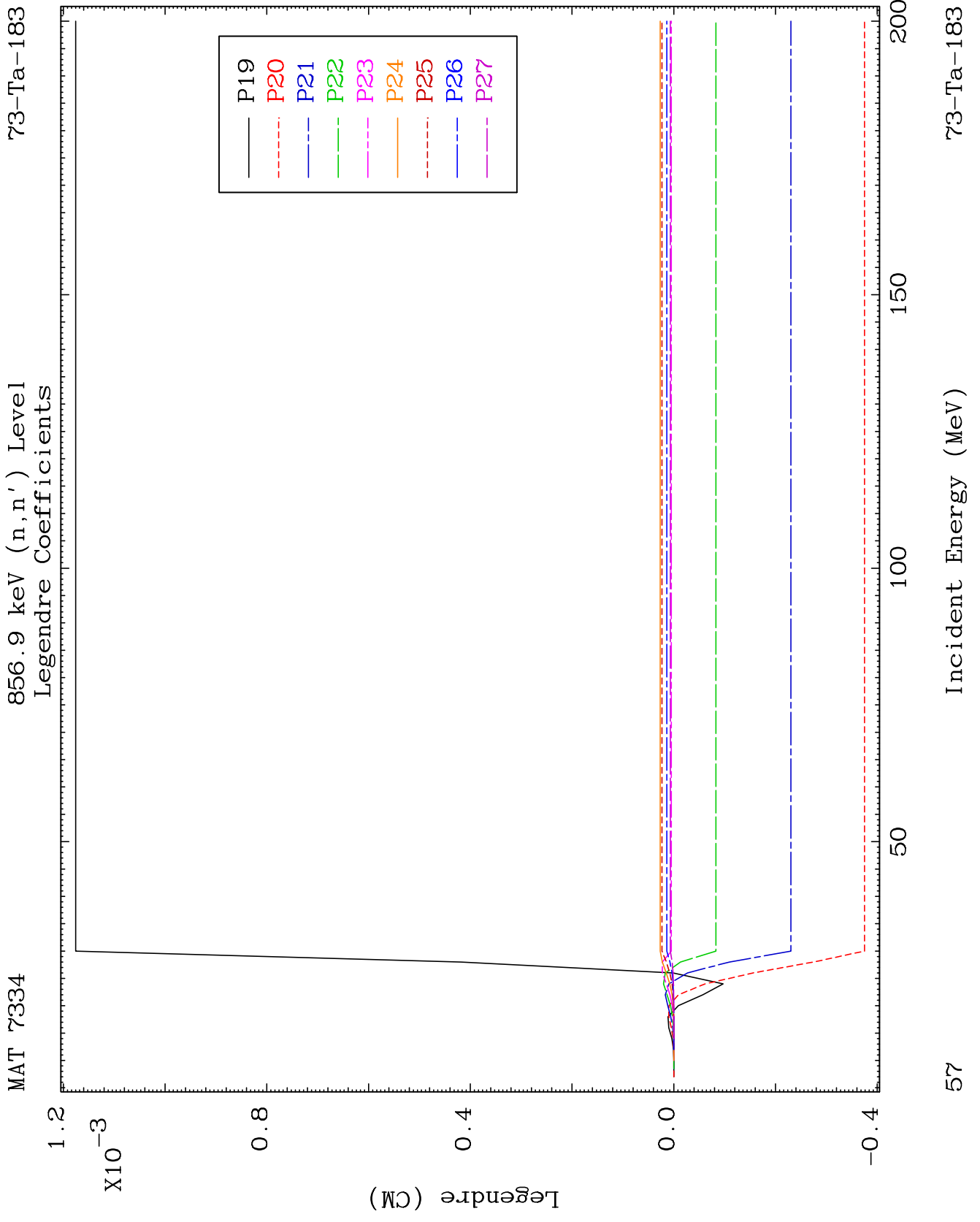


55

Incident Energy (MeV)

73-Ta-183

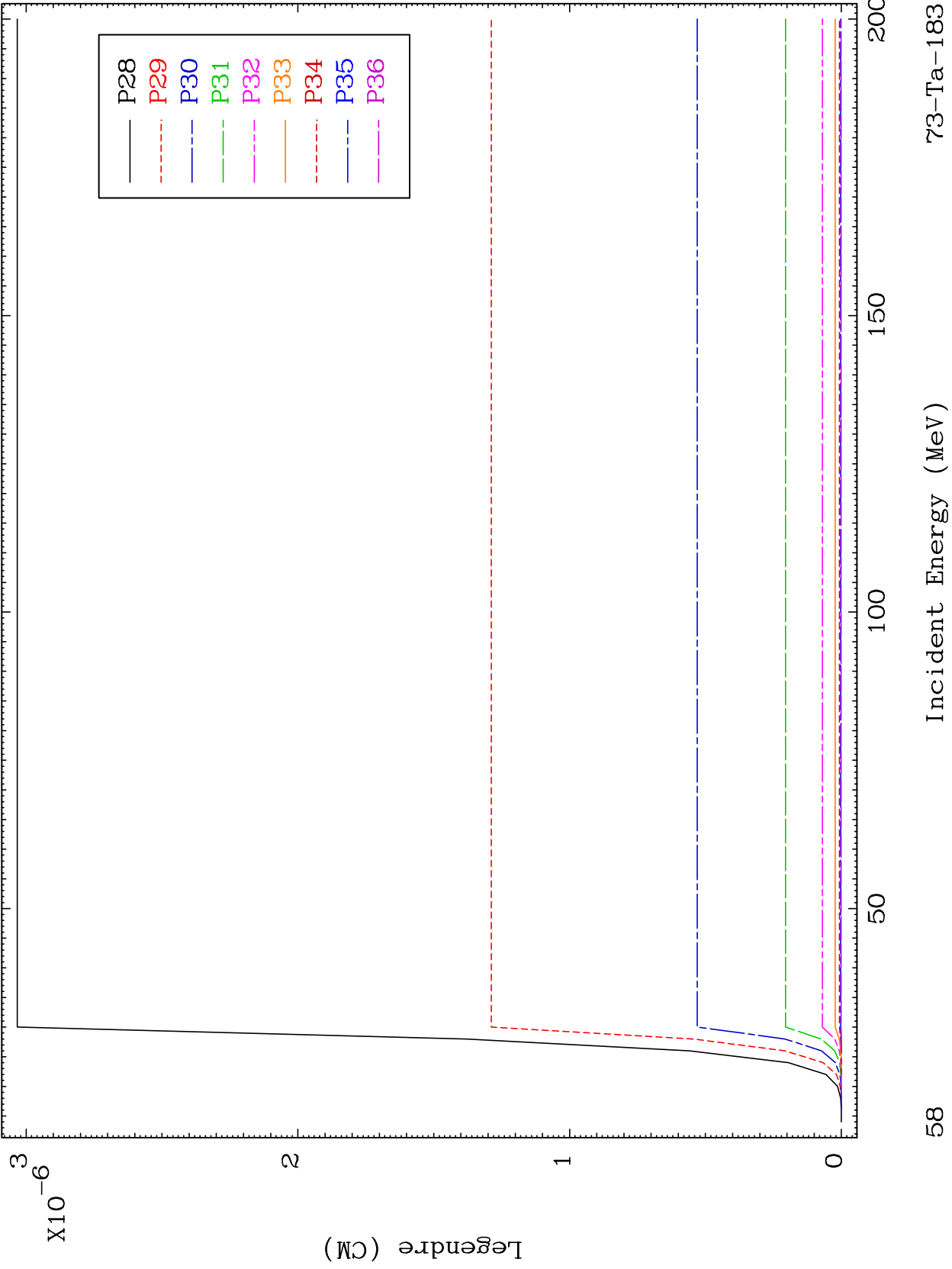




MAT 7334

856.9 keV (n, n') Level
Legendre Coefficients

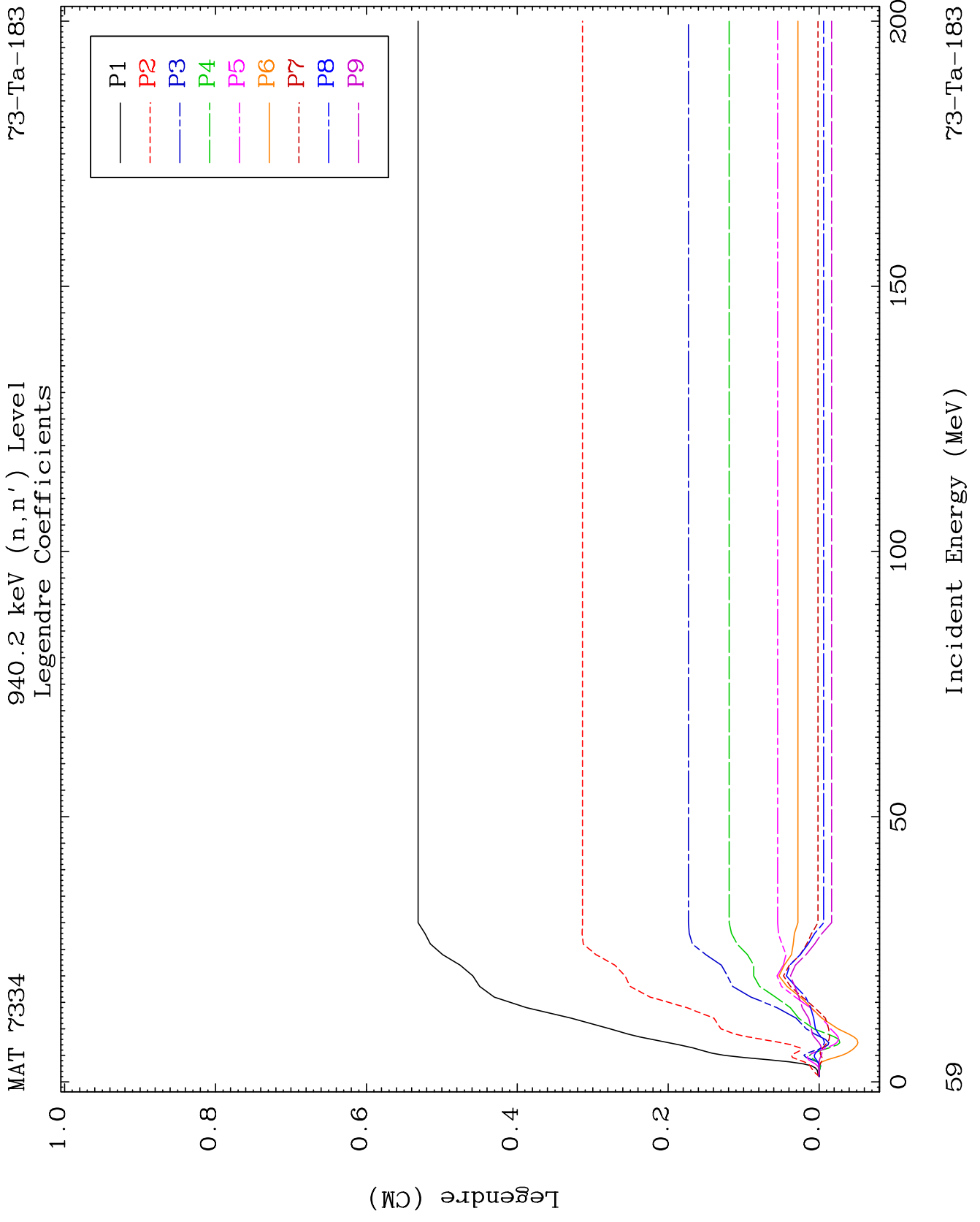
73-Ta-183

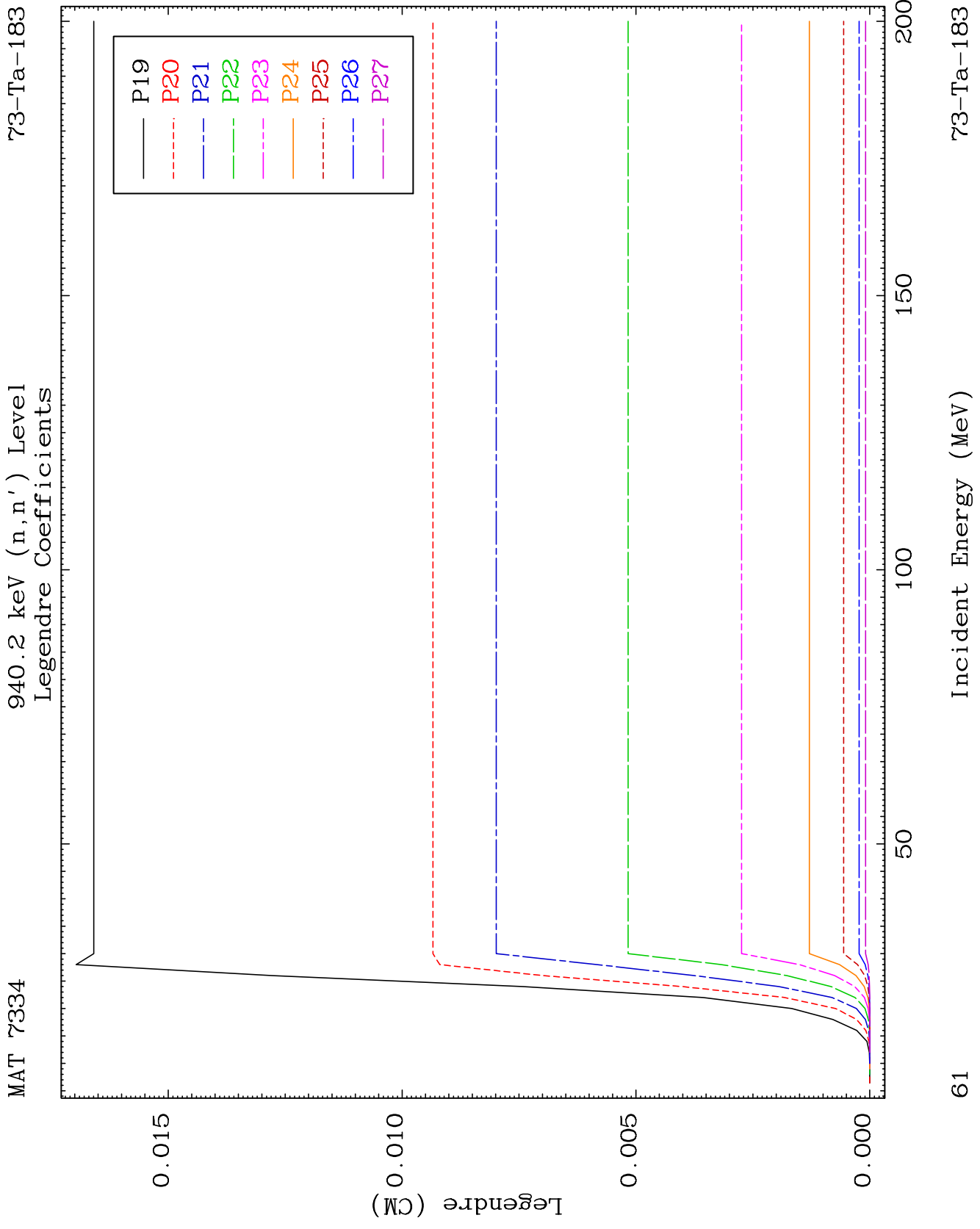


58

Incident Energy (MeV)

73-Ta-183

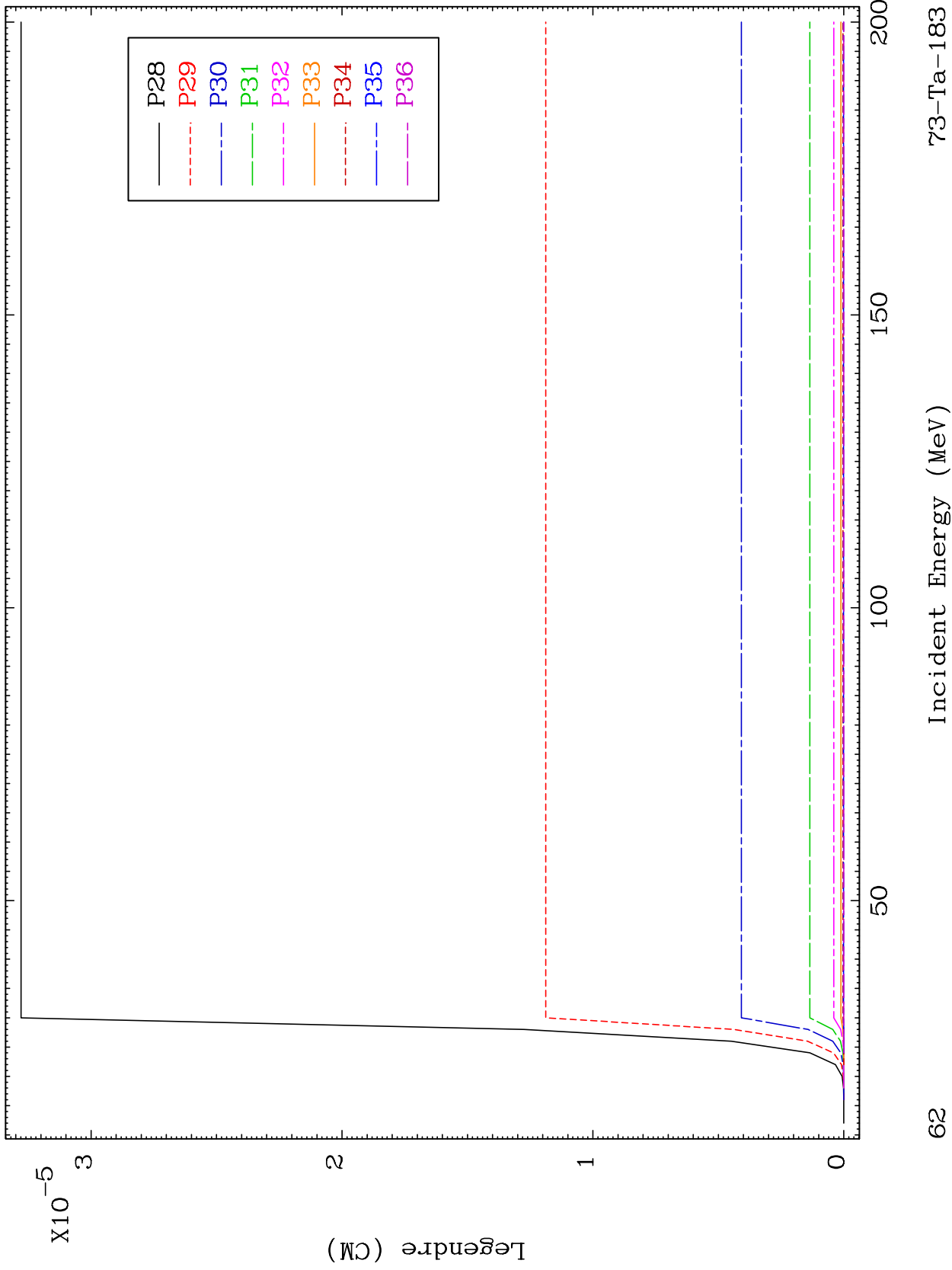


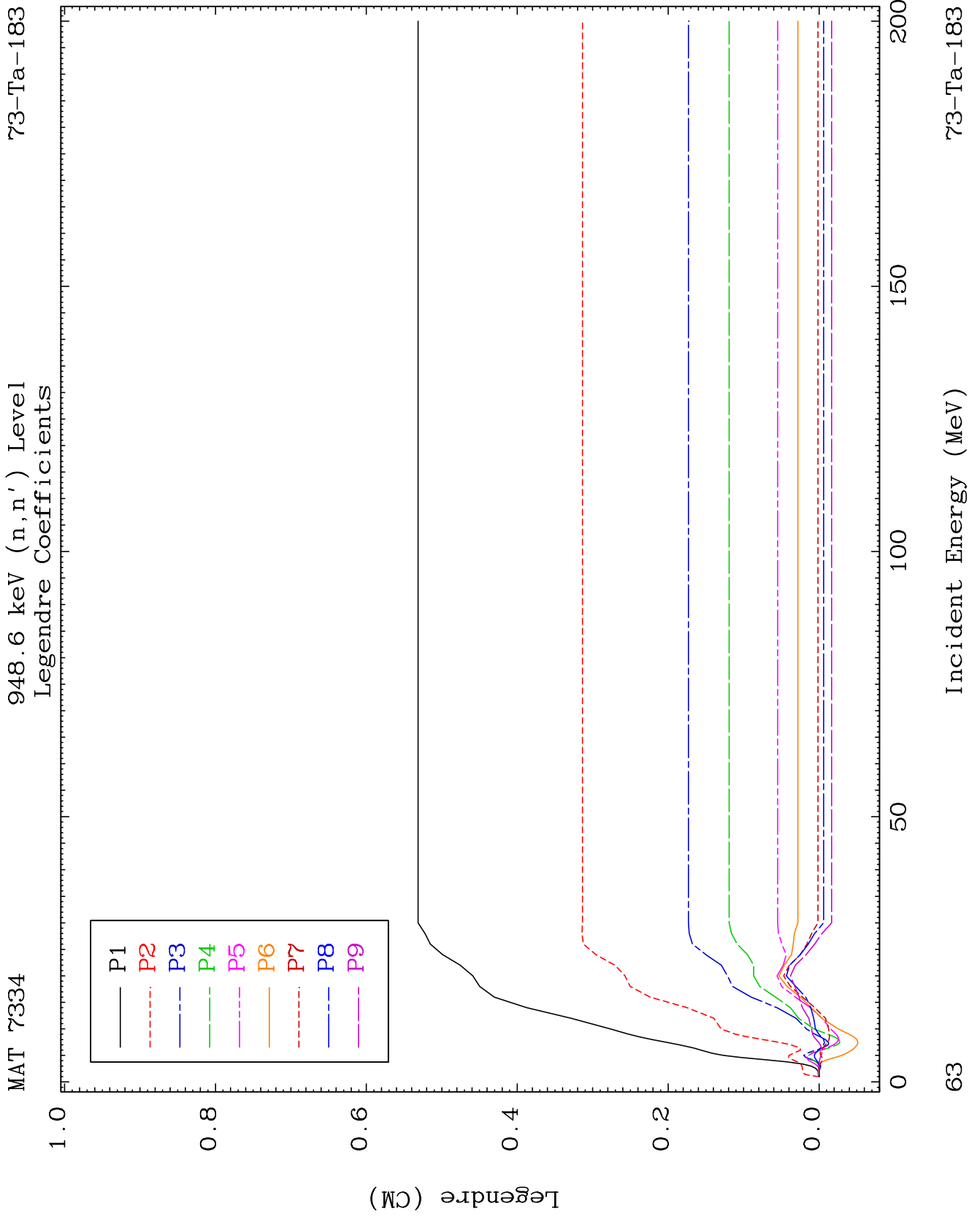


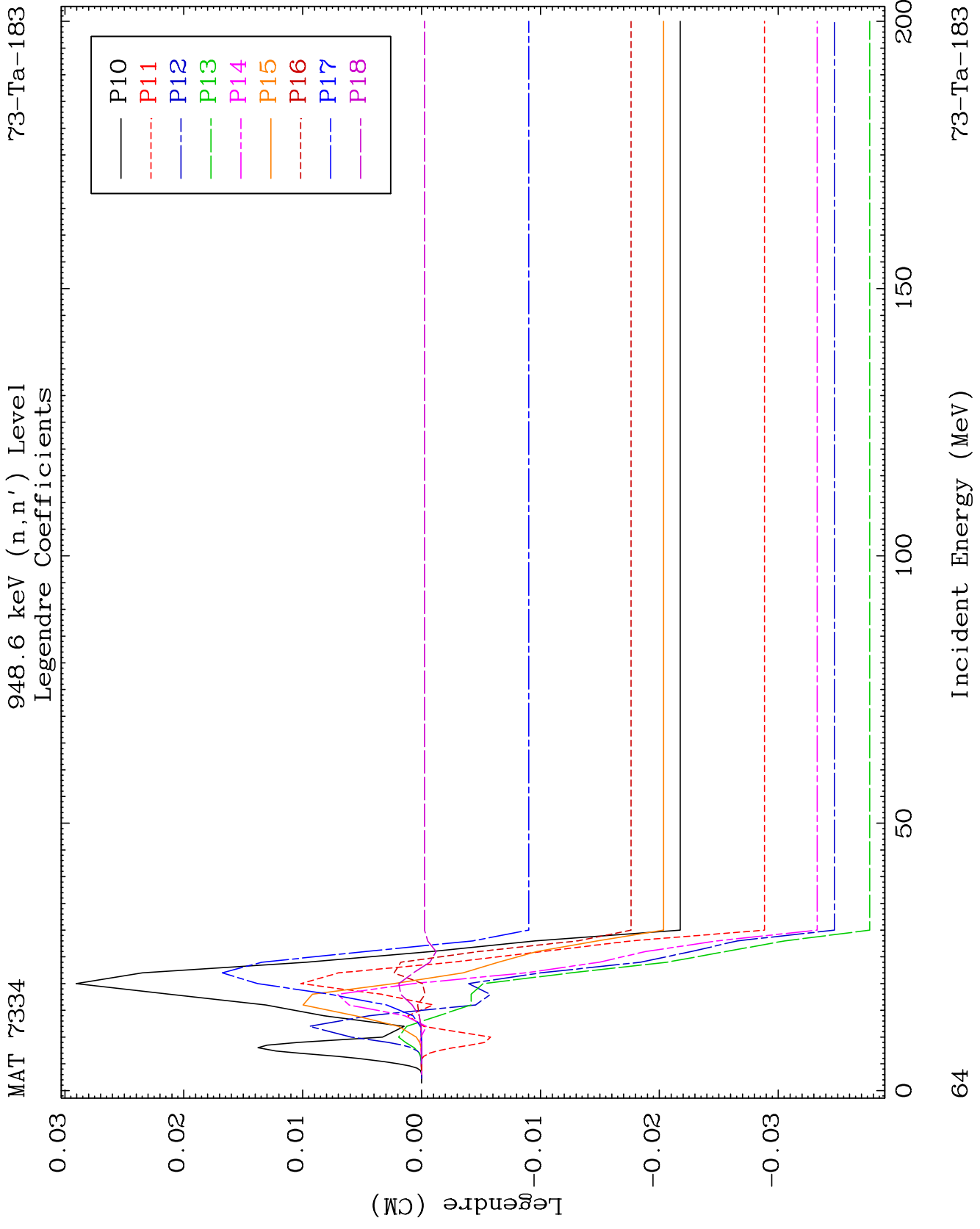
MAT 7334

940.2 keV (n,n') Level
Legendre Coefficients

73-Ta-183



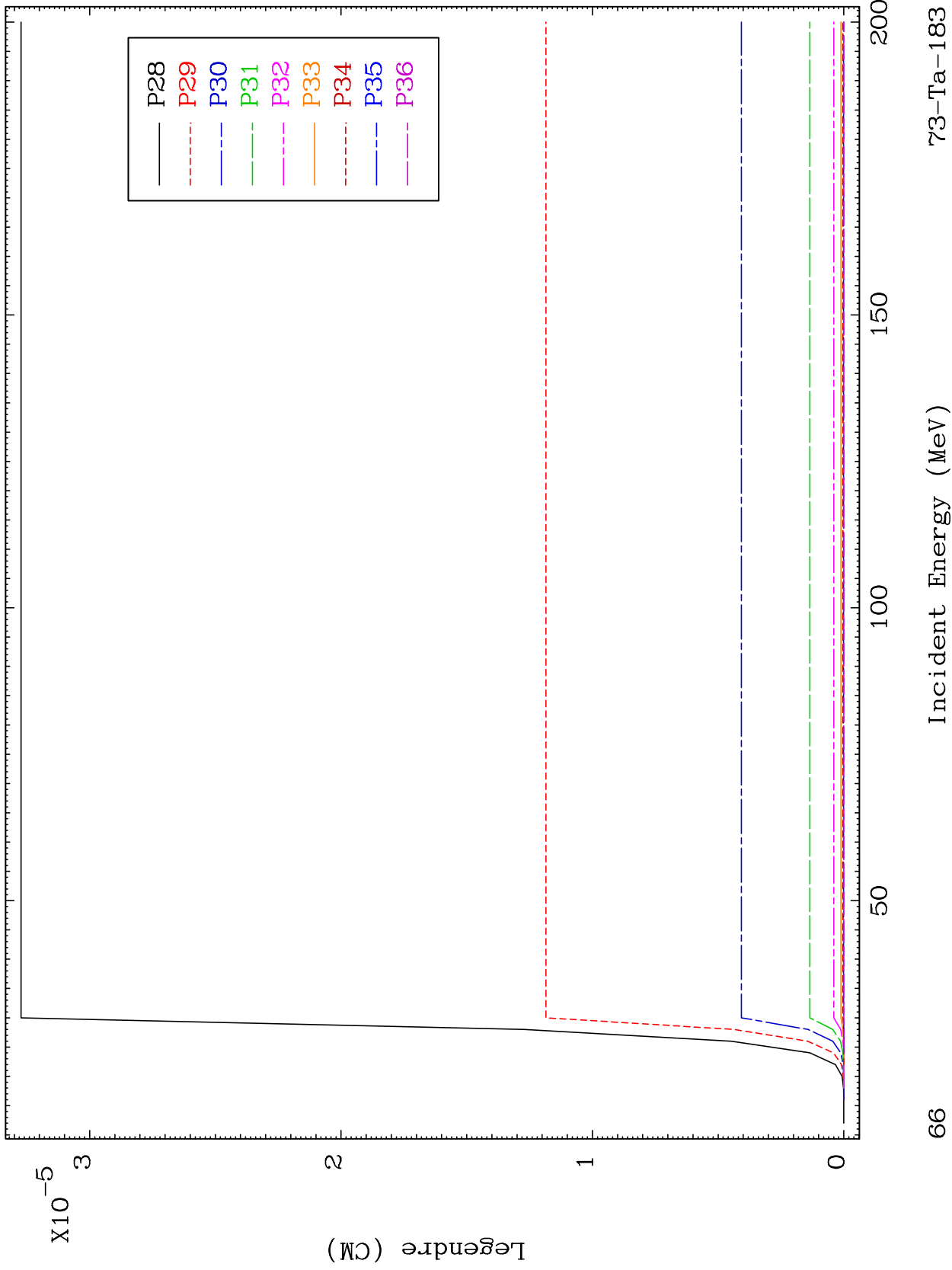




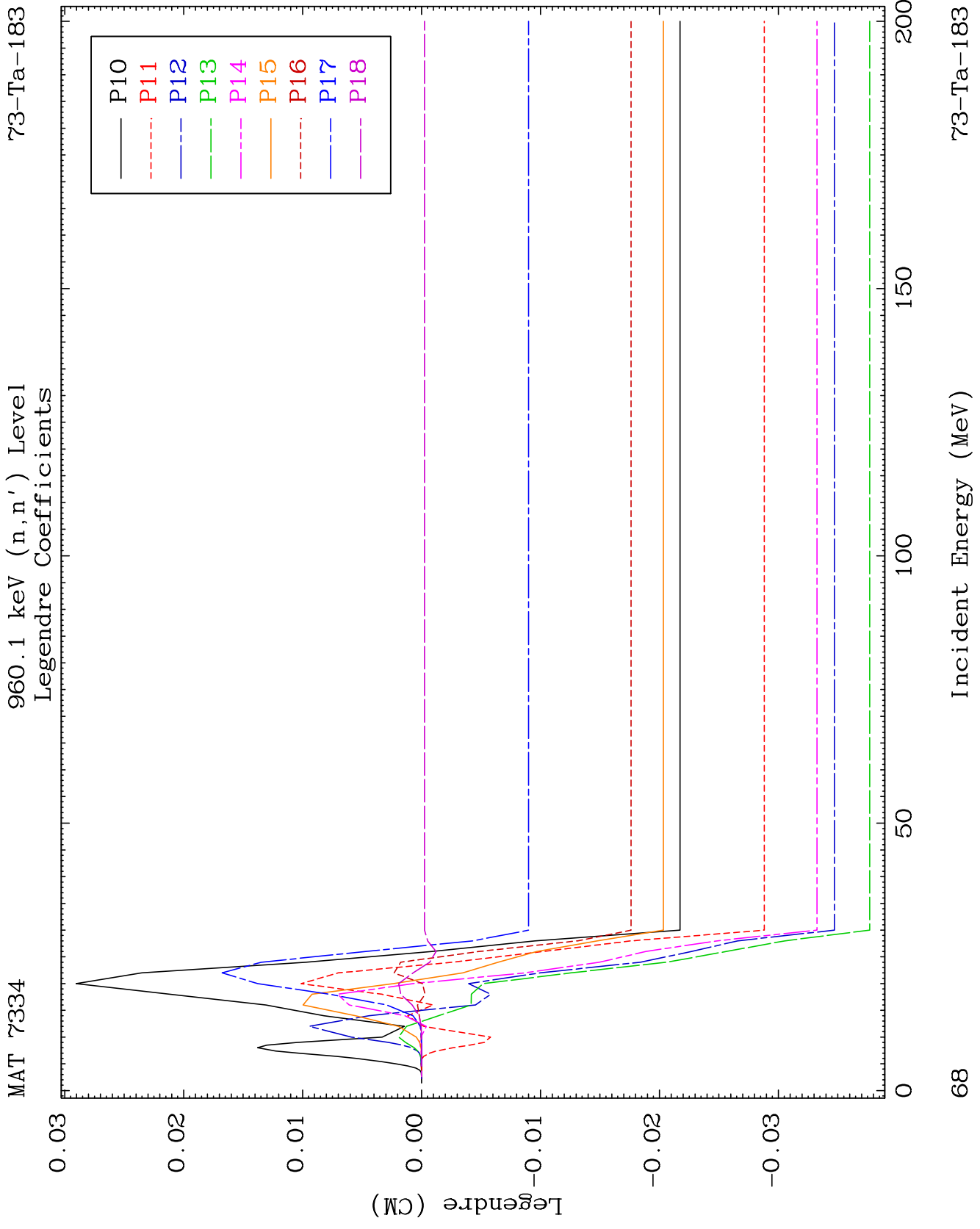
MAT 7334

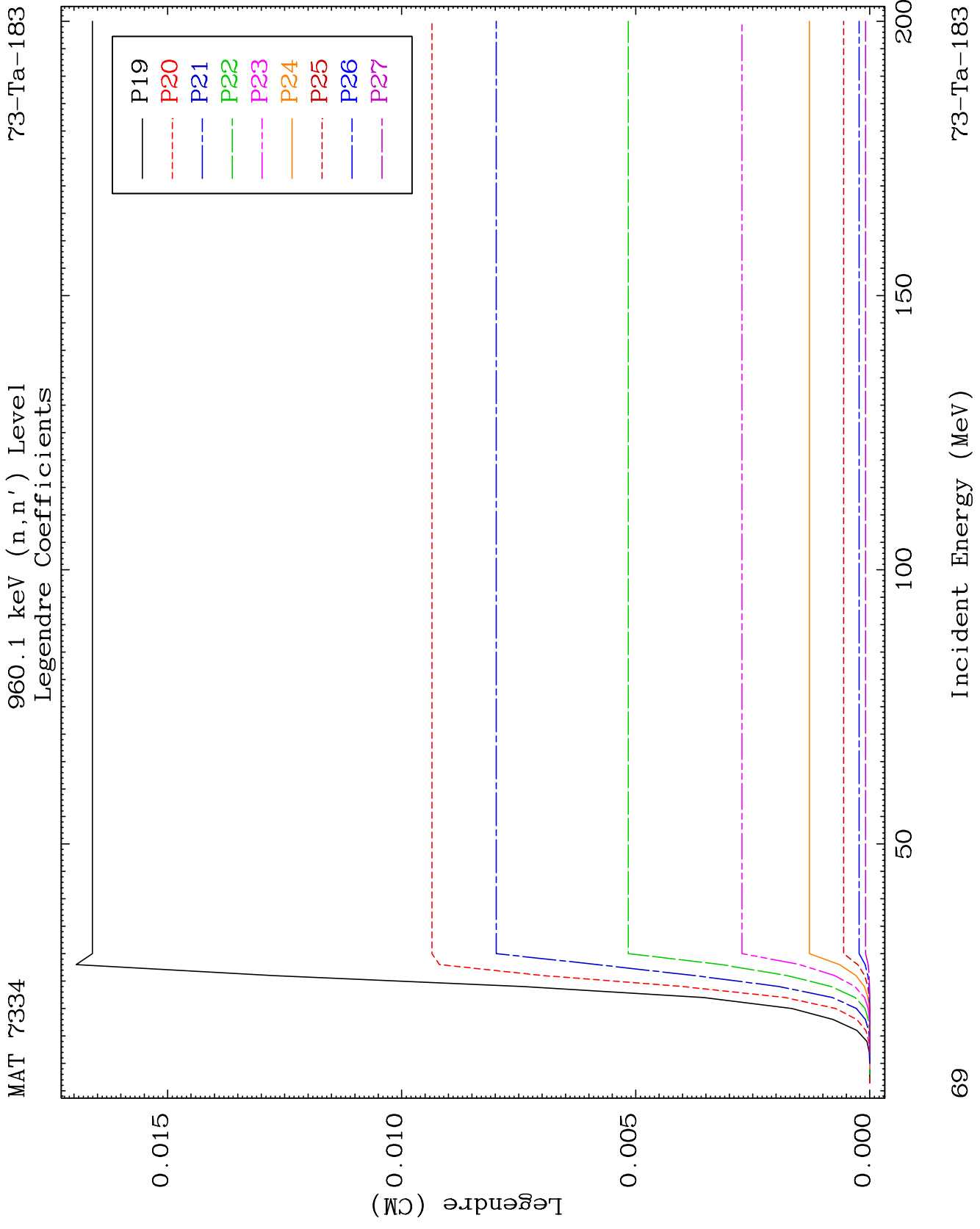
948.6 keV (n,n') Level
Legendre Coefficients

73-Ta-183



66

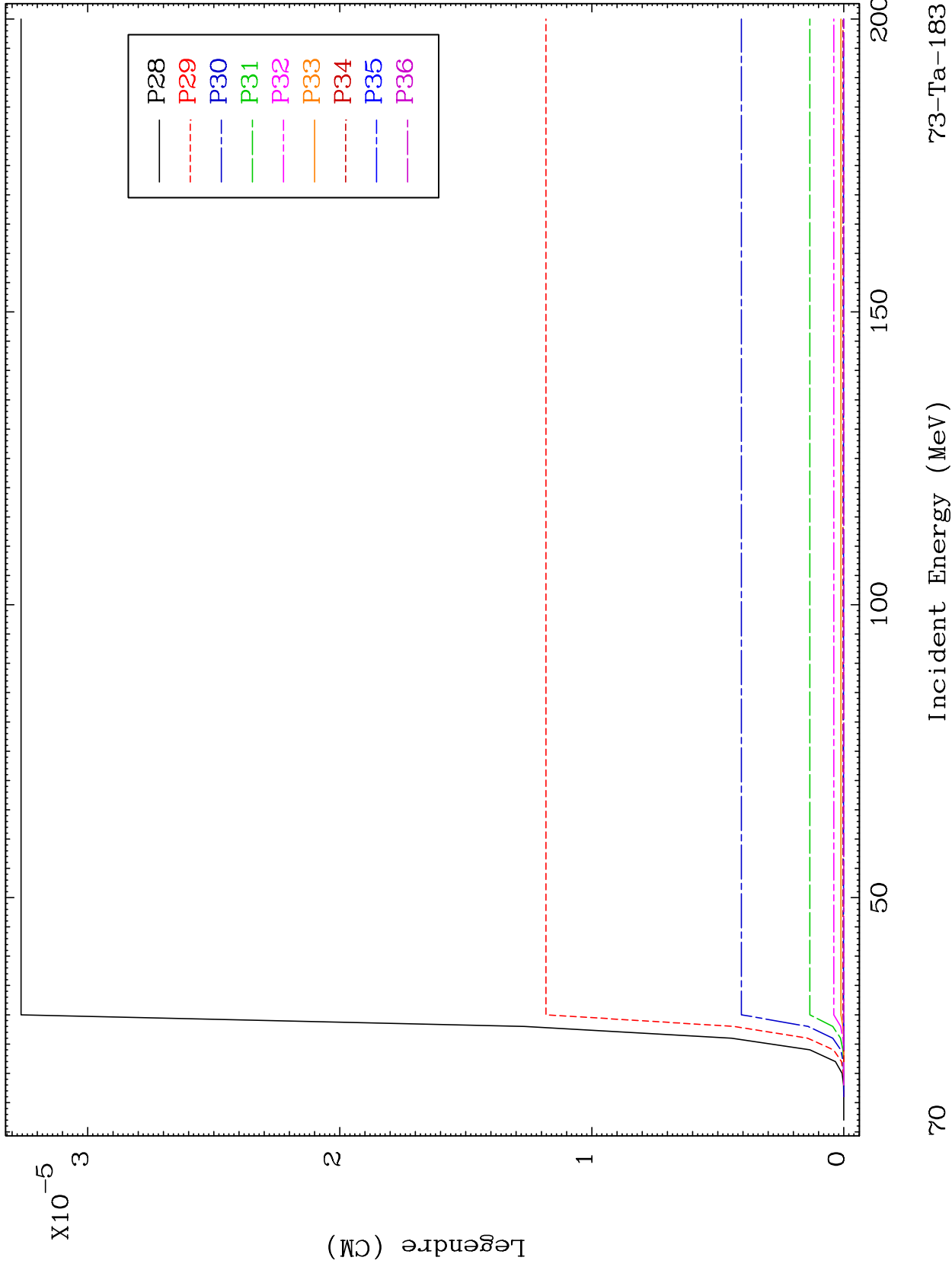




MAT 7334

960.1 keV (n,n') Level
Legendre Coefficients

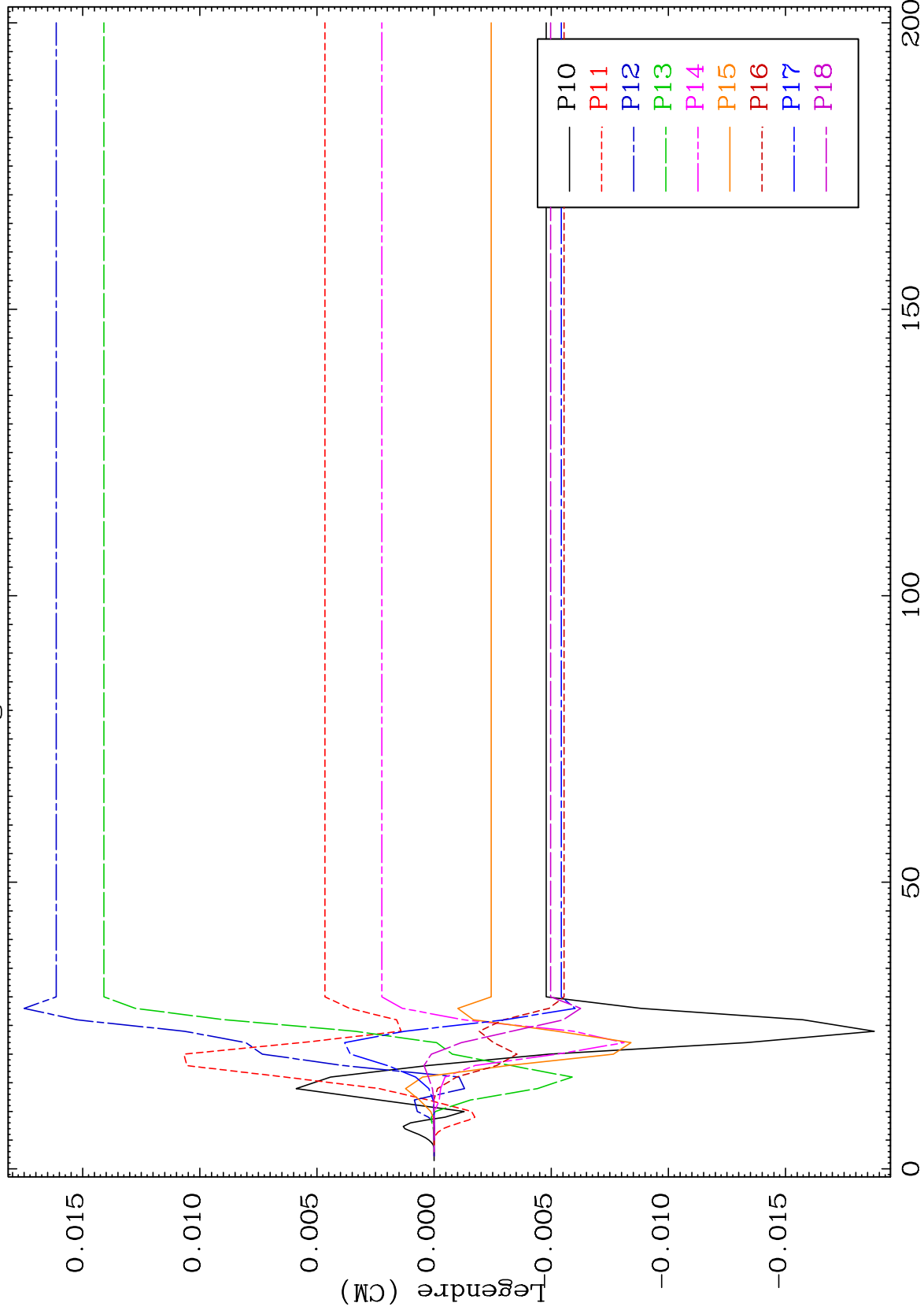
73-Ta-183



MAT 7334

971.5 keV (n,n') Level
Legendre Coefficients

73-Ta-183



72

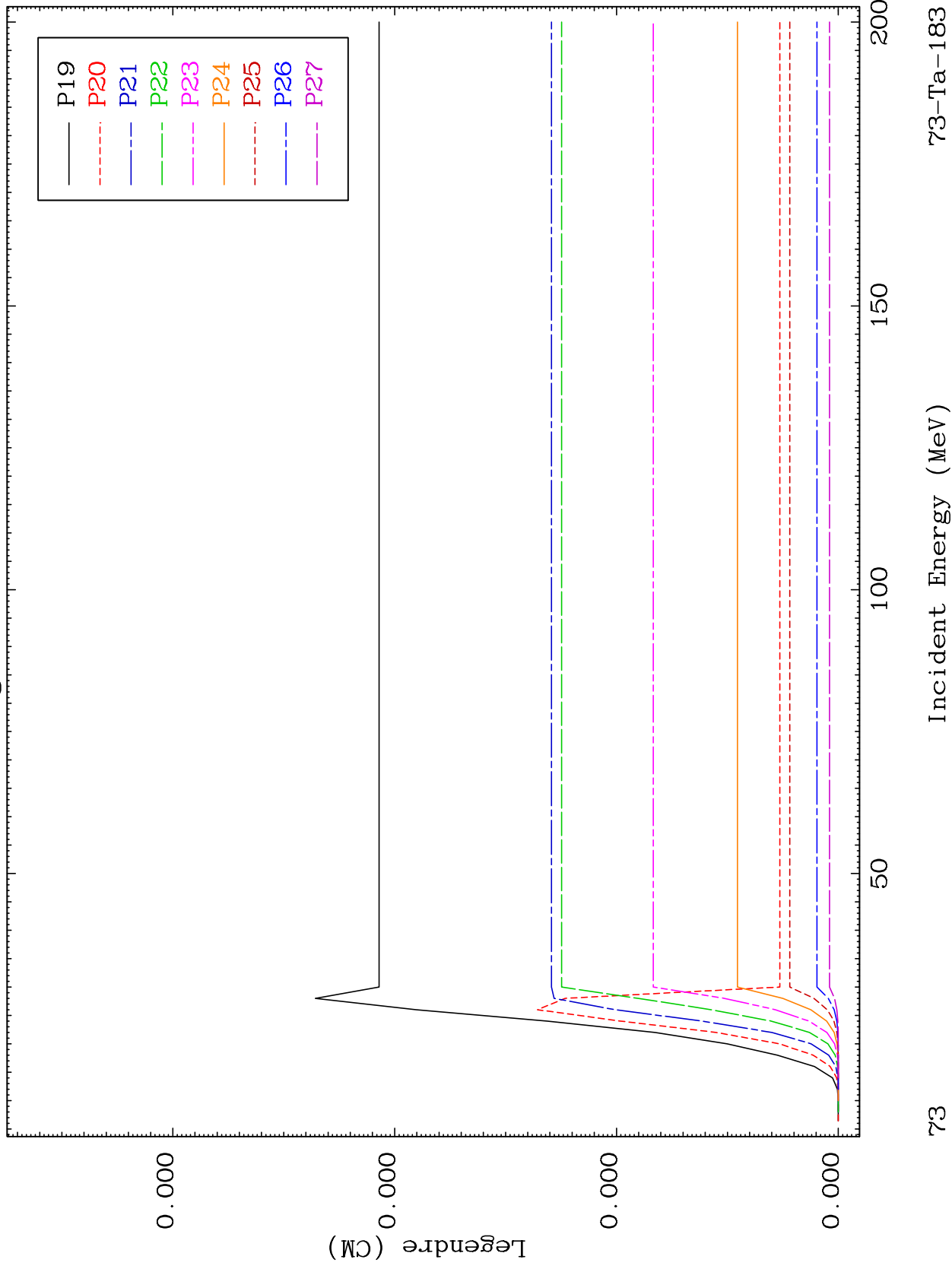
Incident Energy (MeV)

73-Ta-183

MAT 7334

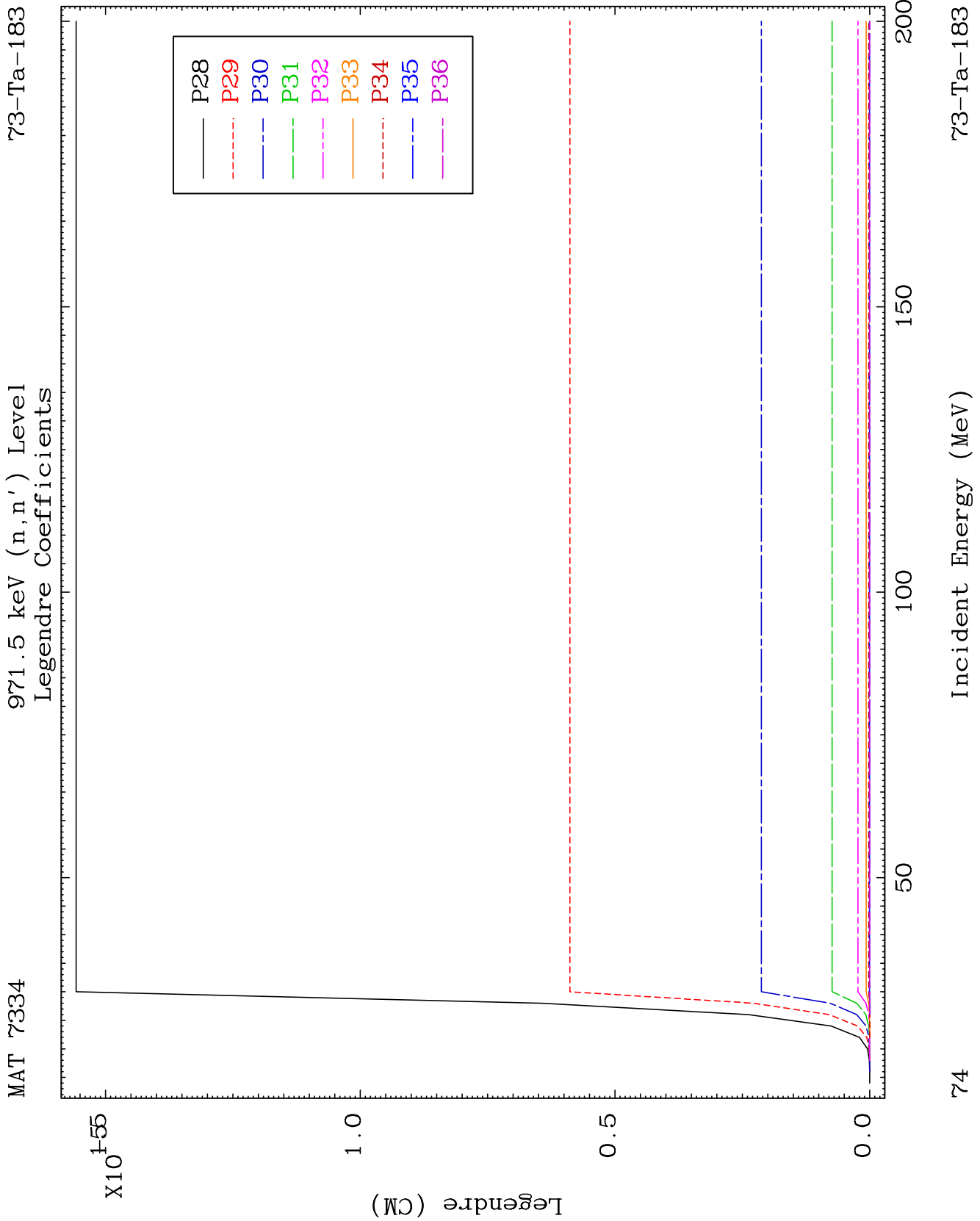
971.5 keV (n,n') Level
Legendre Coefficients

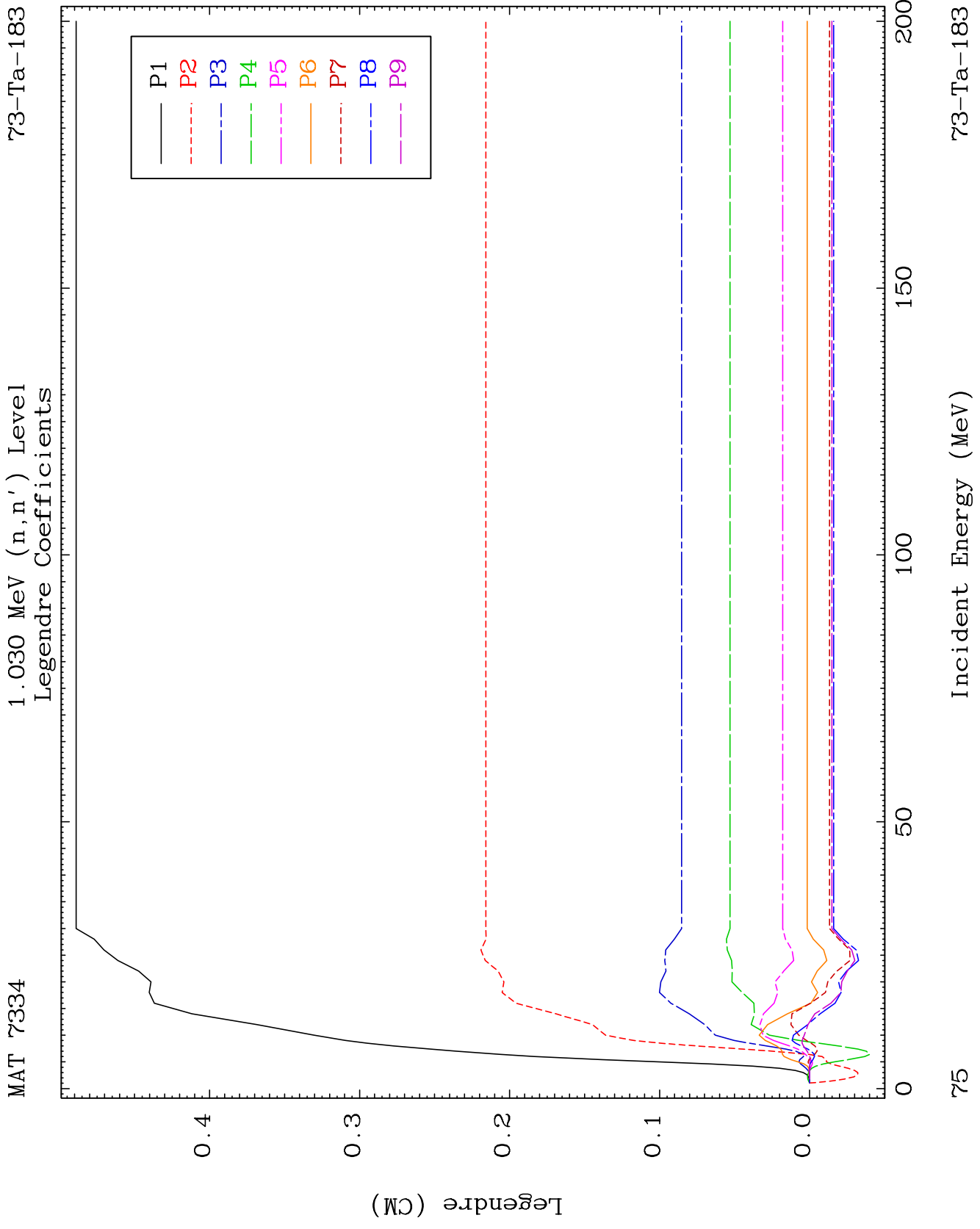
73-Ta-183



73

73-Ta-183

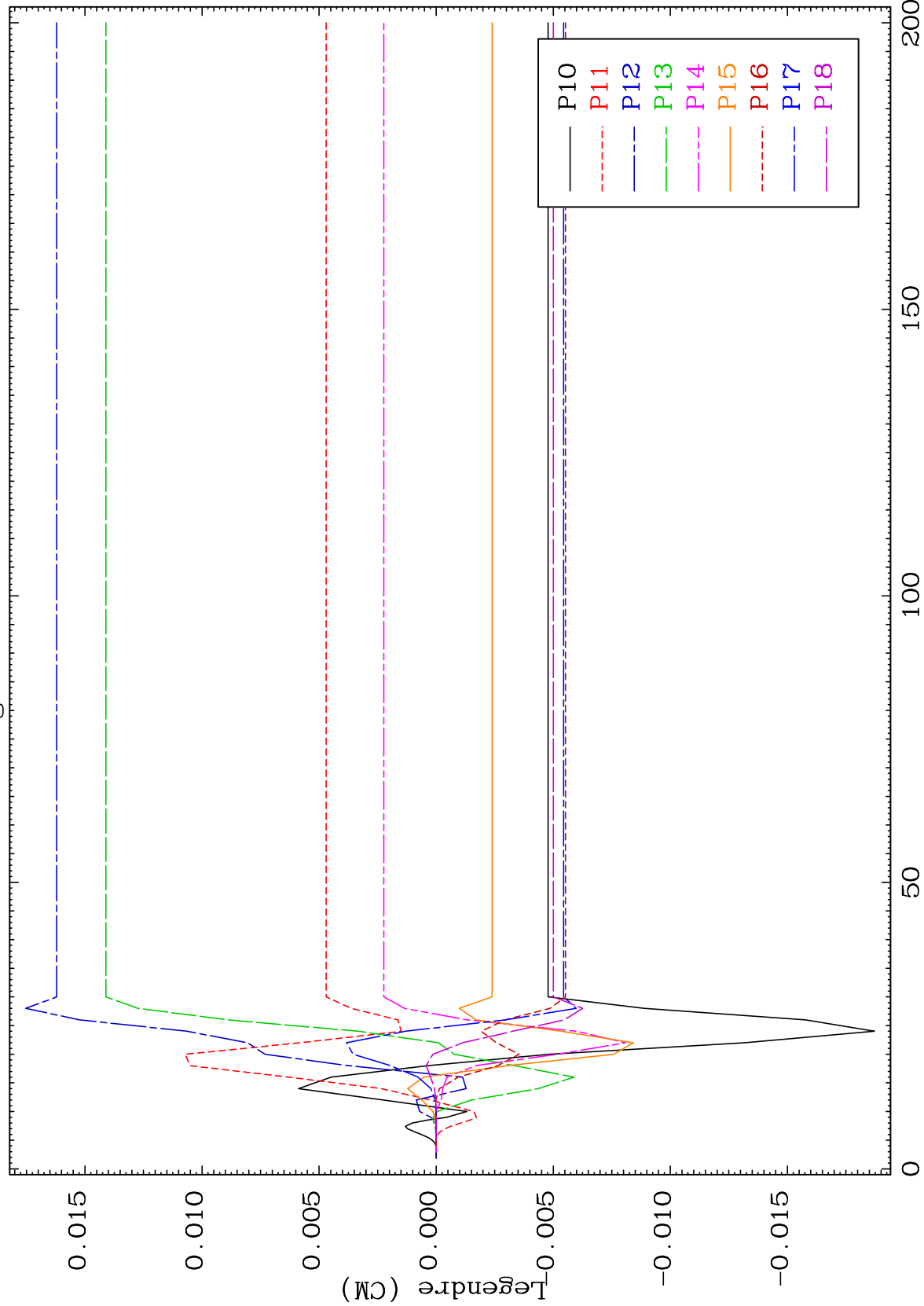




MAT 7334

1.030 MeV (n,n') Level
Legendre Coefficients

73-Ta-183



76

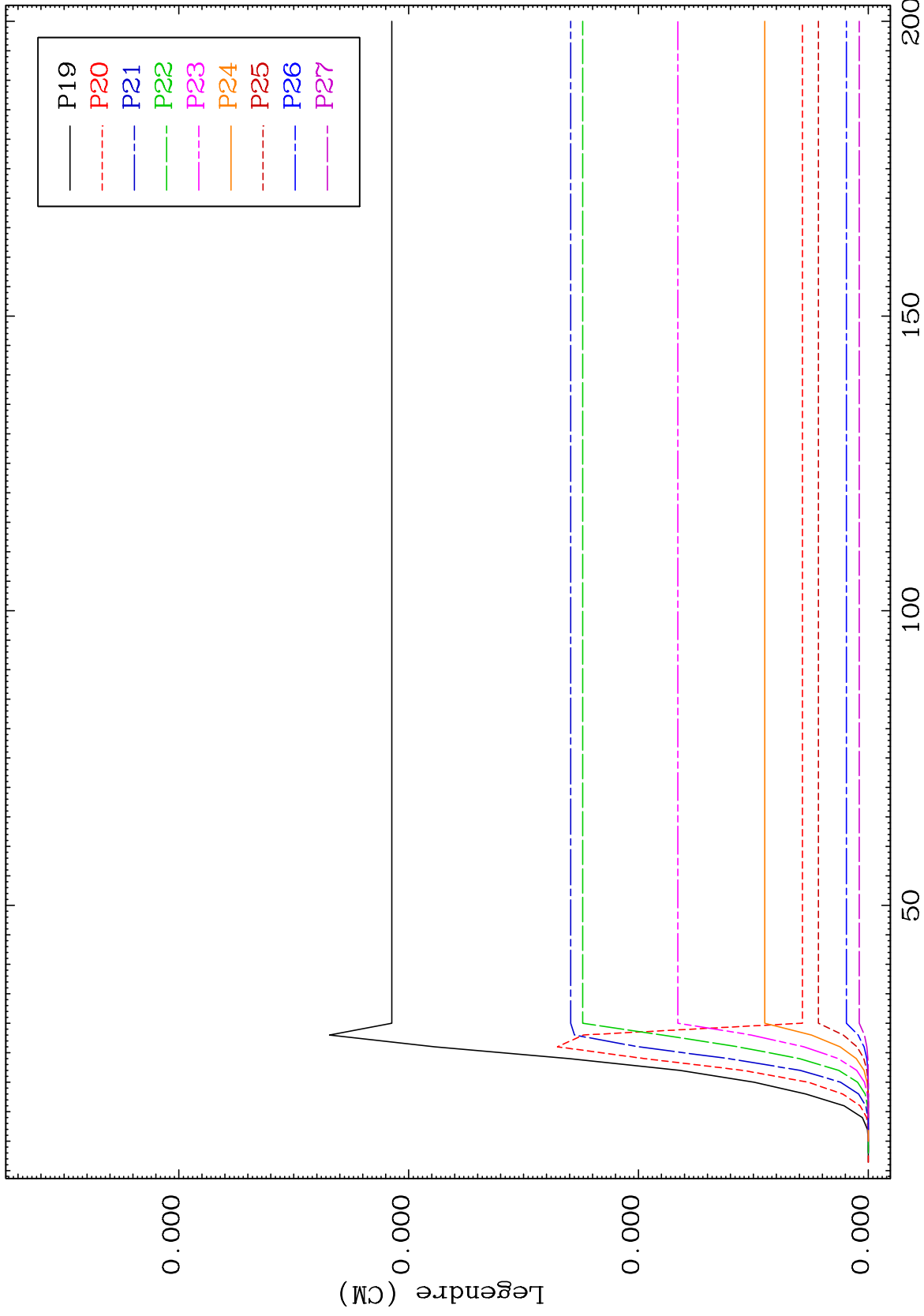
Incident Energy (MeV)

73-Ta-183

MAT 7334

1.030 MeV (n,n') Level
Legendre Coefficients

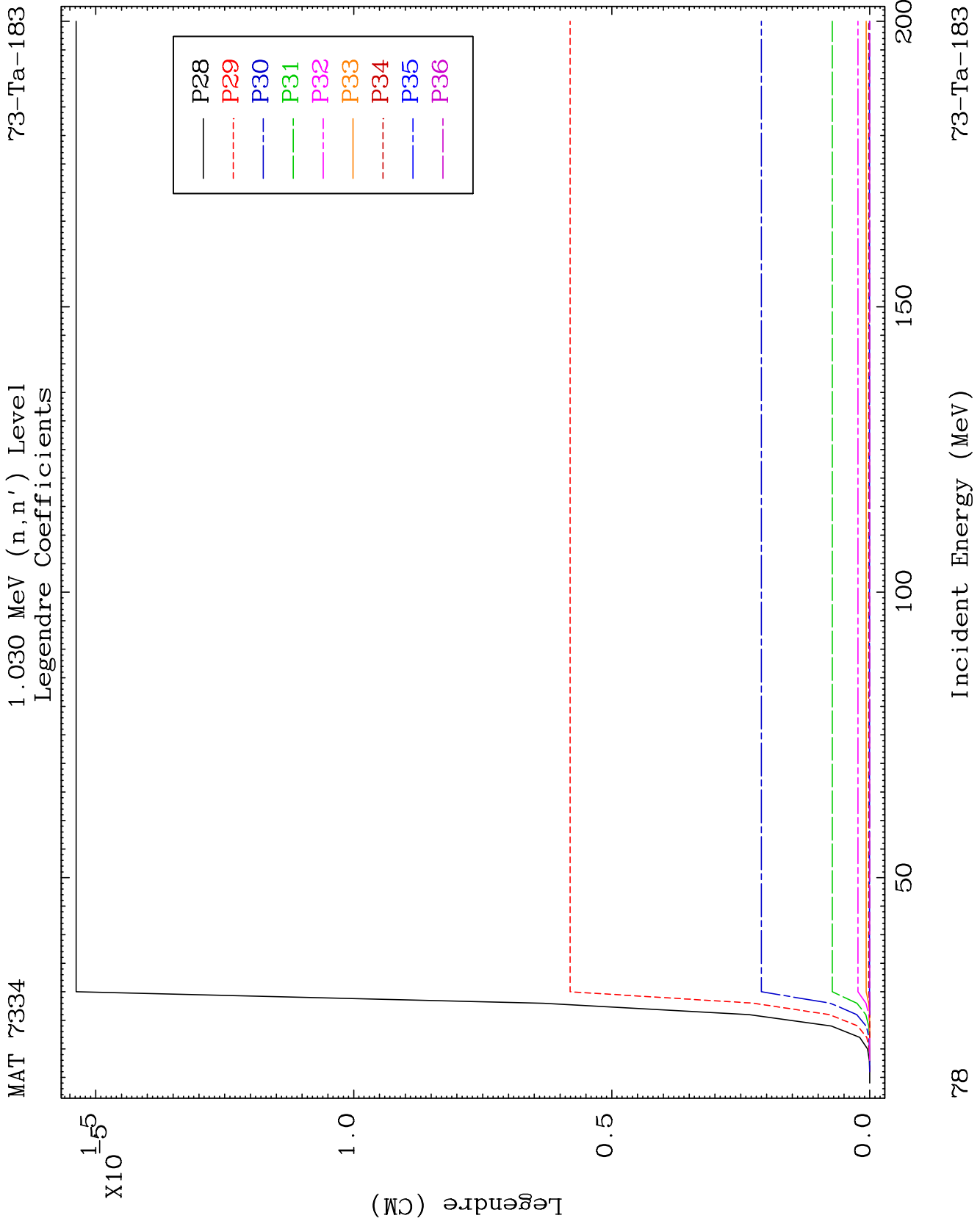
73-Ta-183

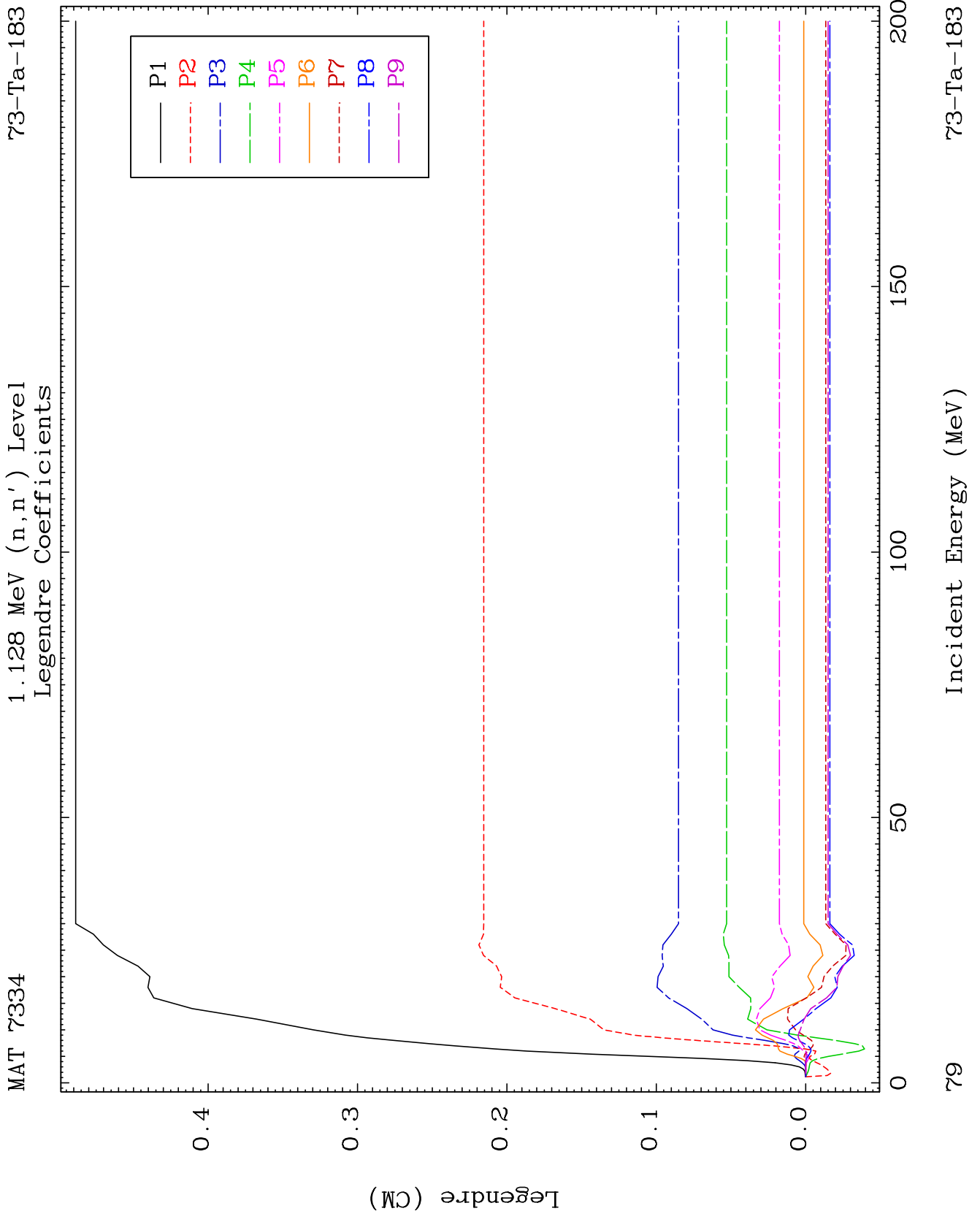


77

Incident Energy (MeV)

73-Ta-183

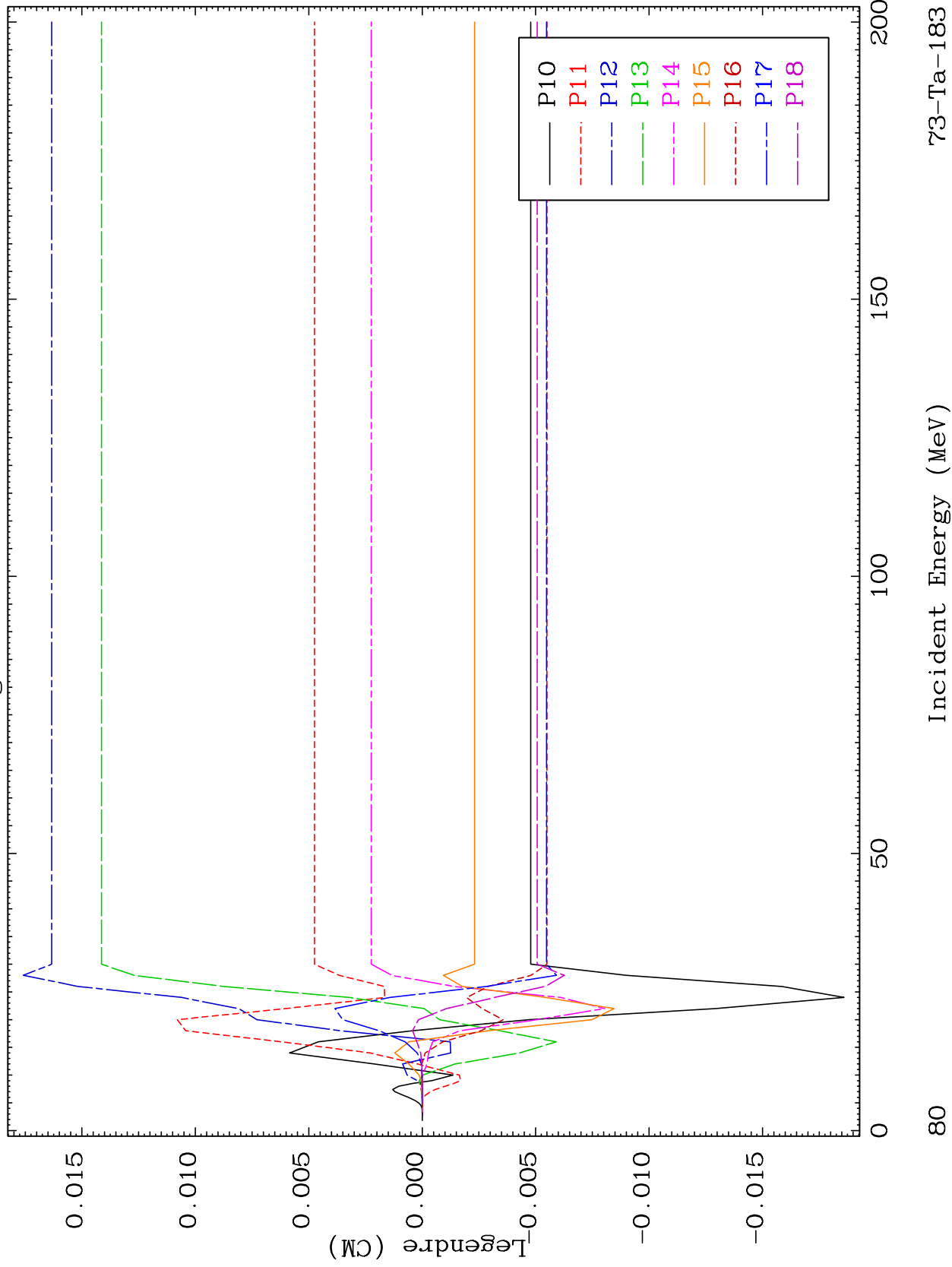




MAT 7334

1.128 MeV (n,n') Level
Legendre Coefficients

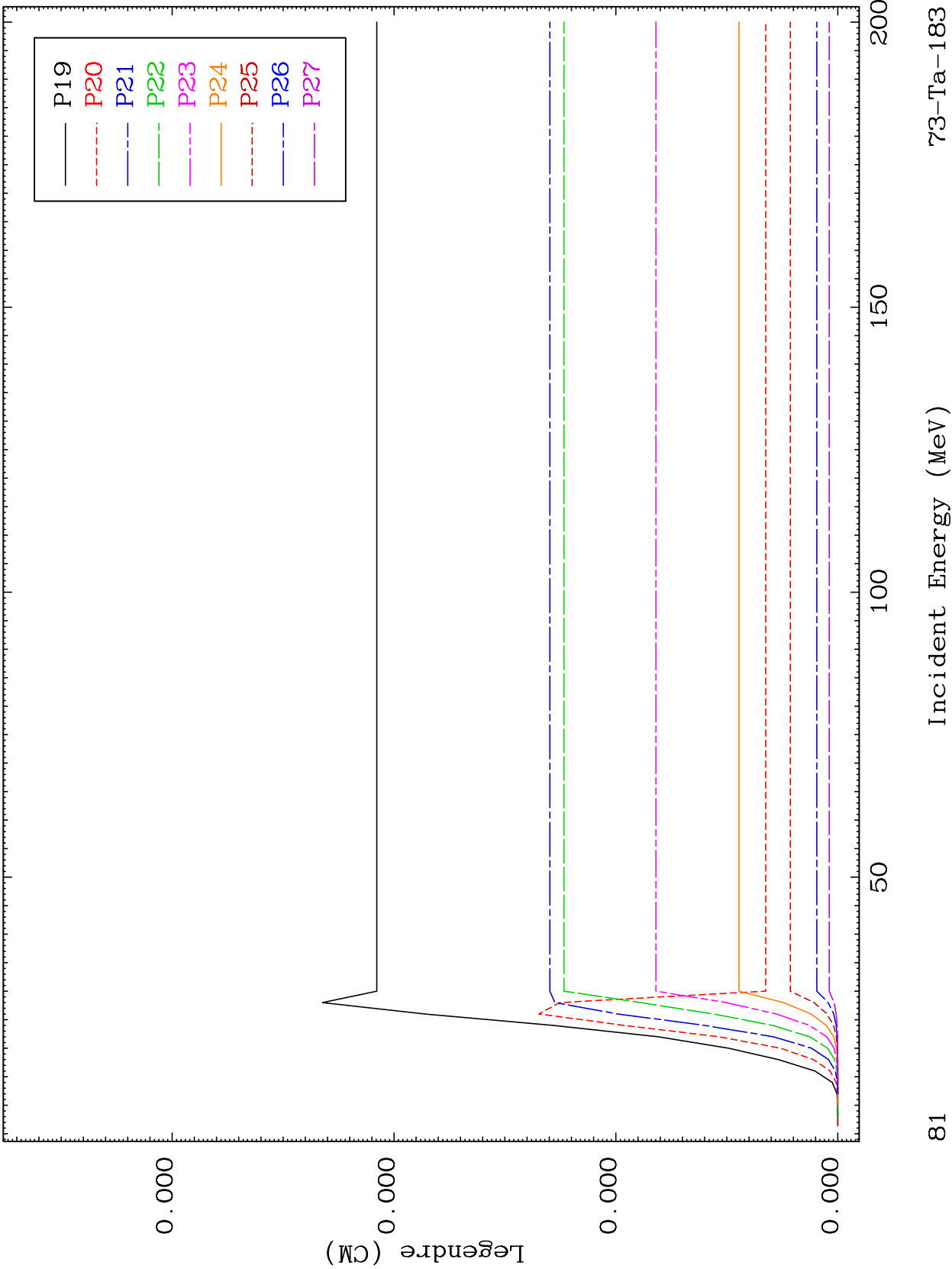
73-Ta-183

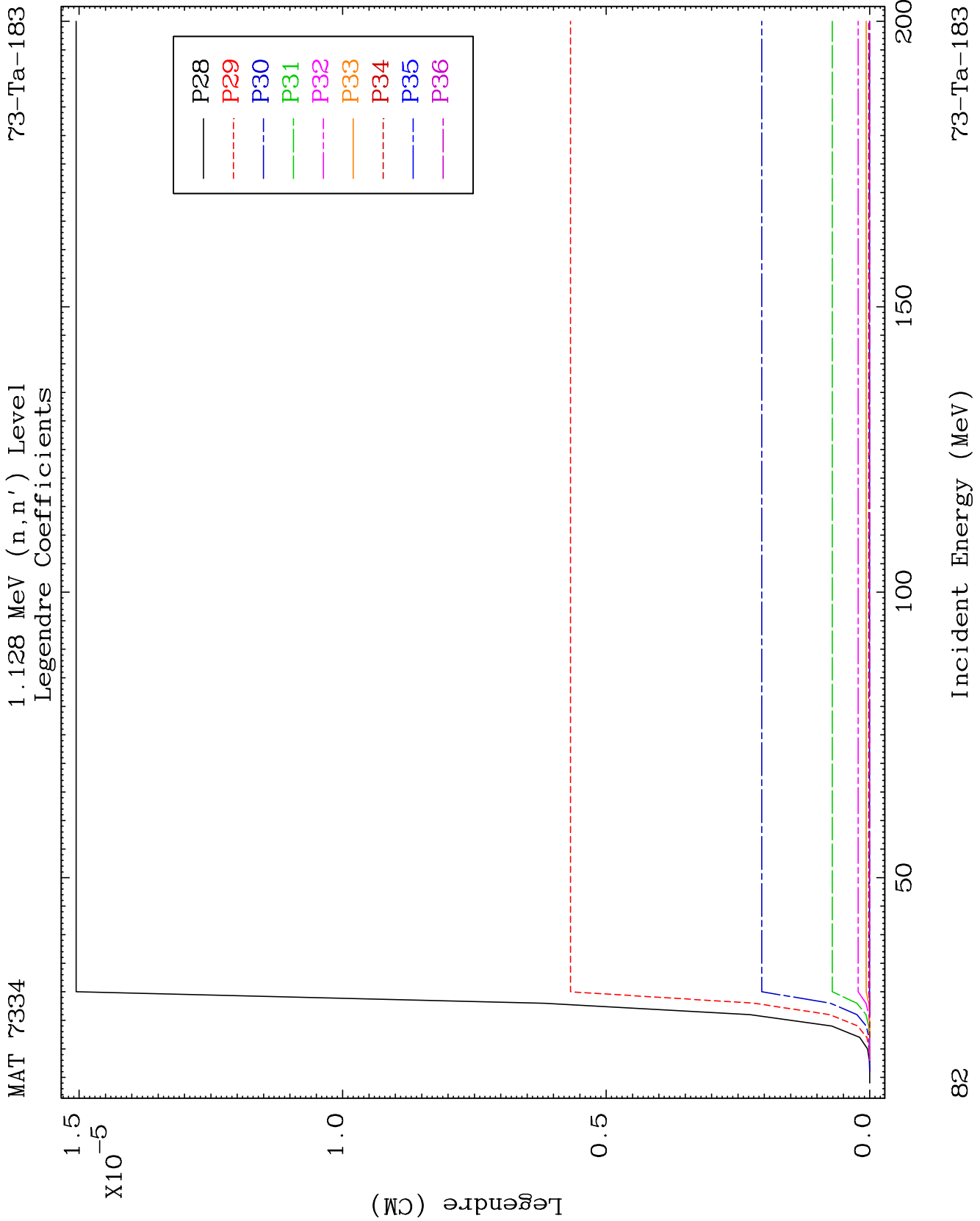


73-Ta-183

Incident Energy (MeV)

80

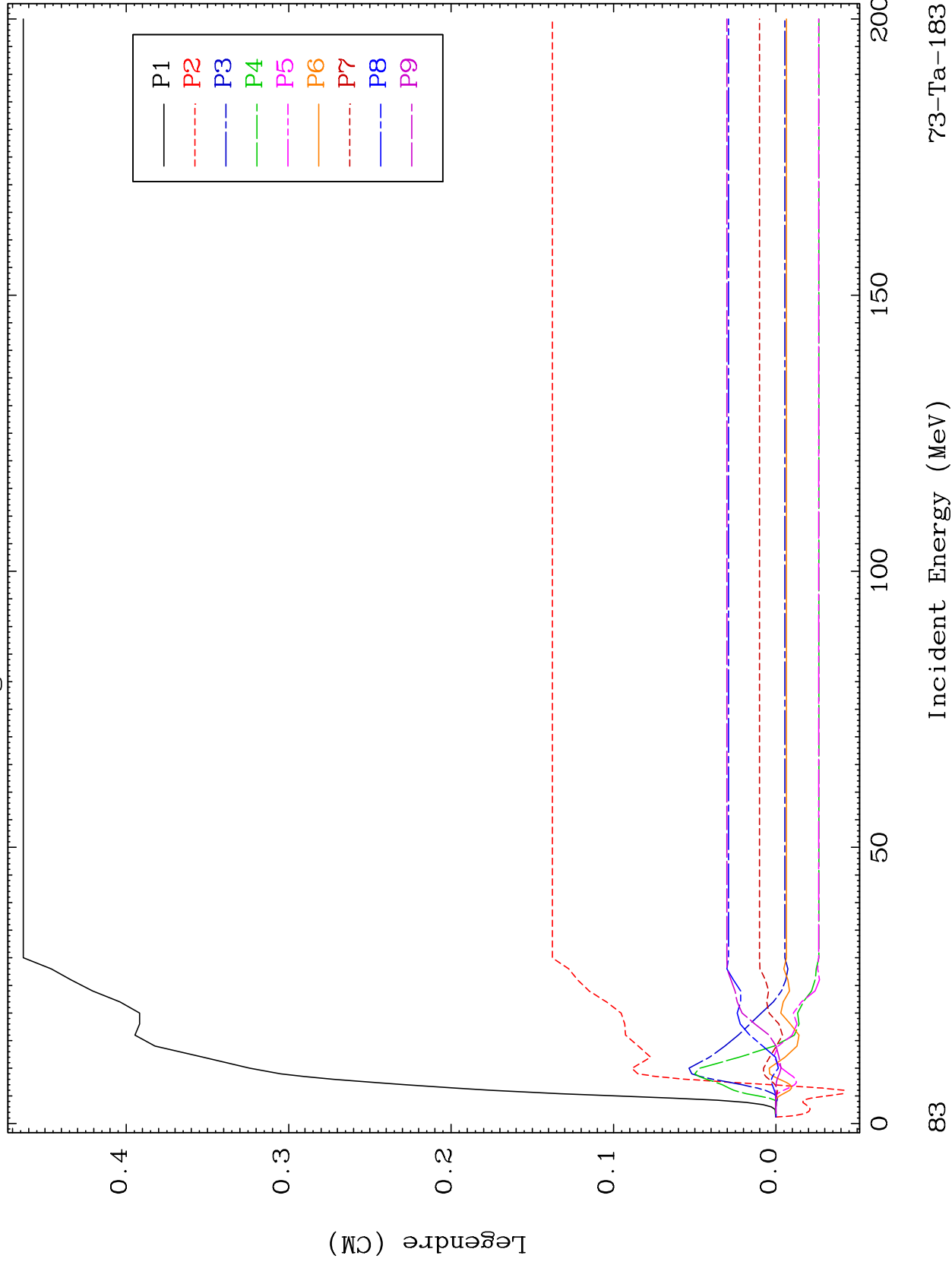




MAT 7334

1.151 MeV (n,n') Level
Legendre Coefficients

73-Ta-183



73-Ta-183

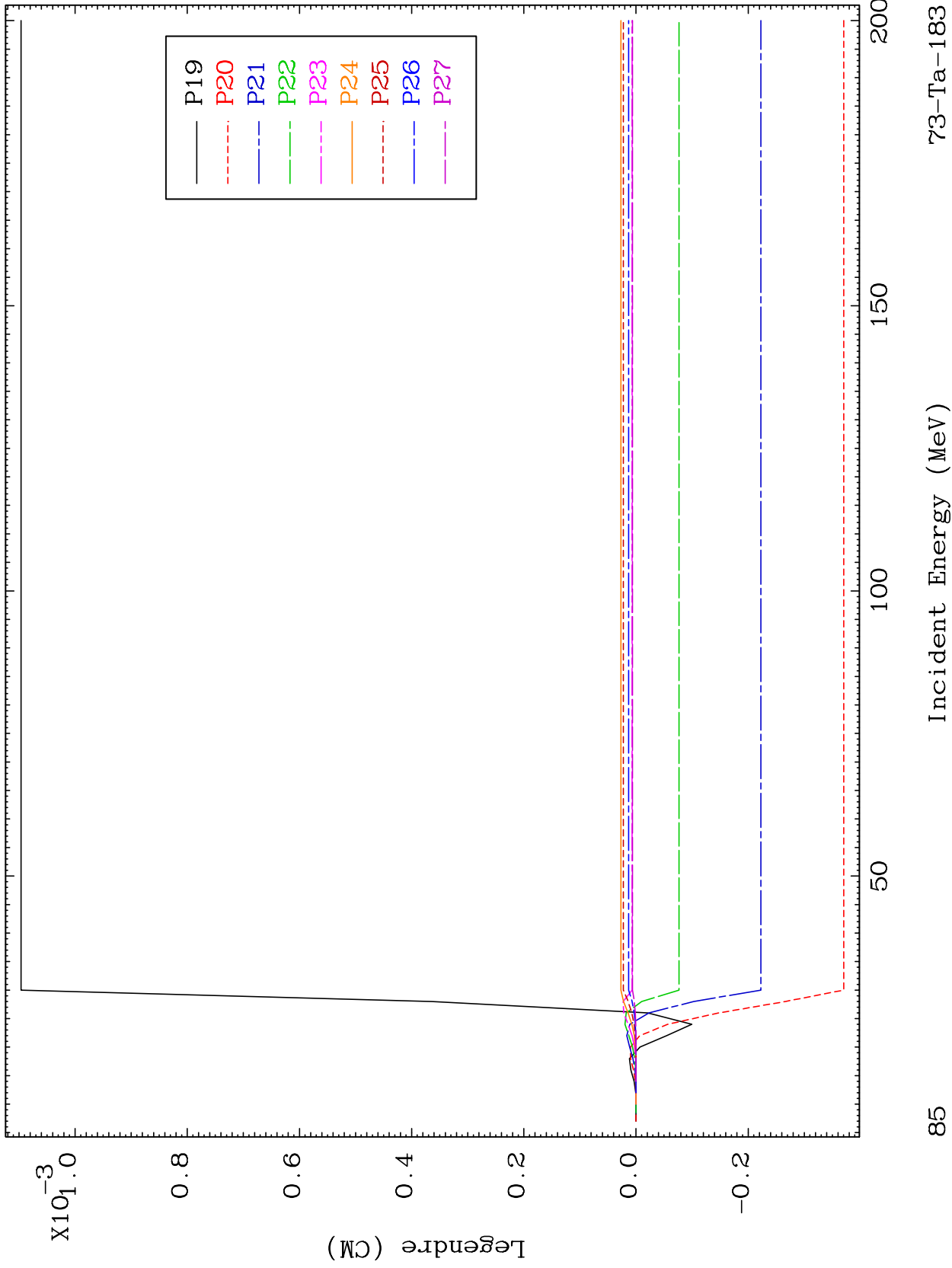
Incident Energy (MeV)

83

MAT 7334

1.151 MeV (n,n') Level
Legendre Coefficients

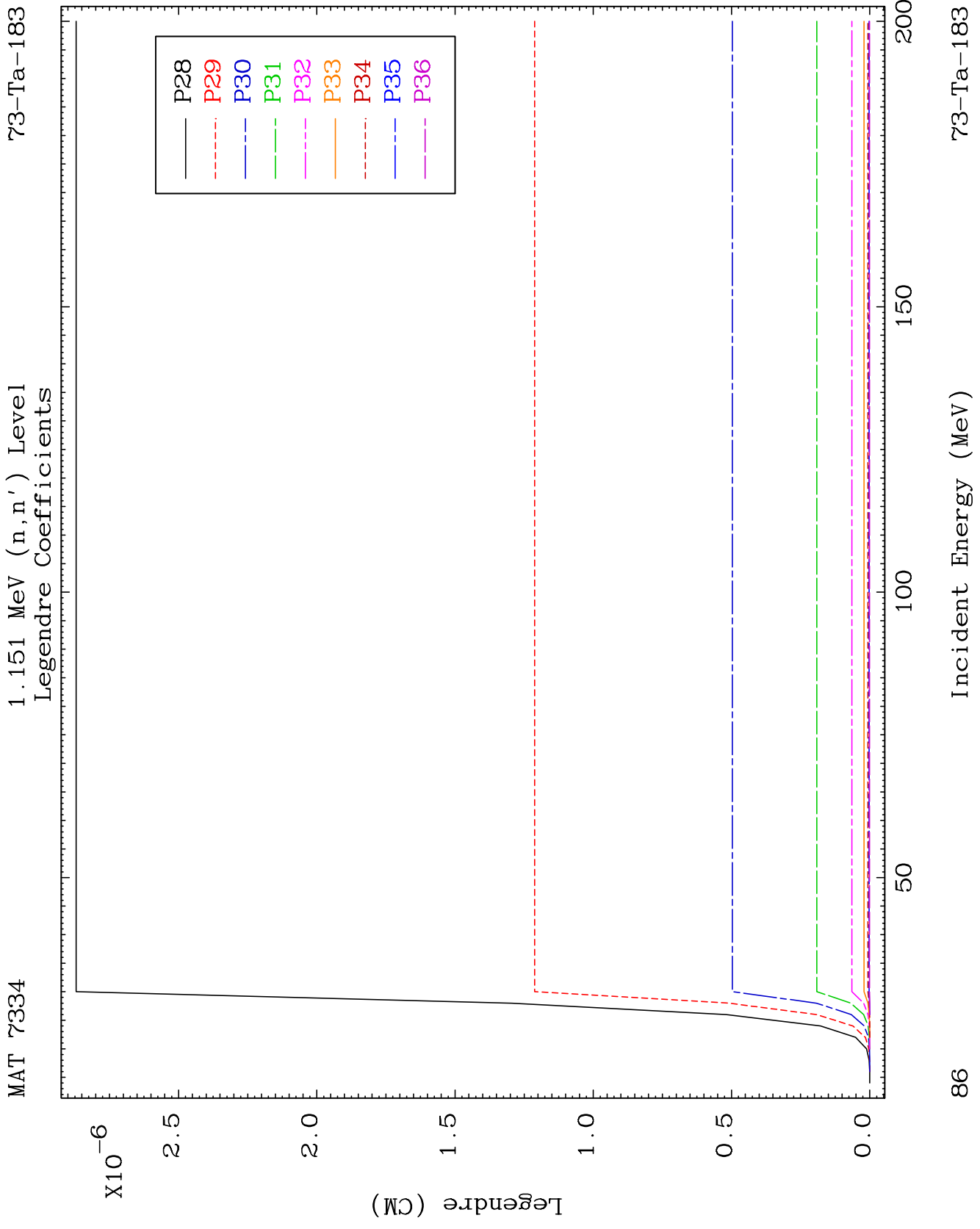
73-Ta-183

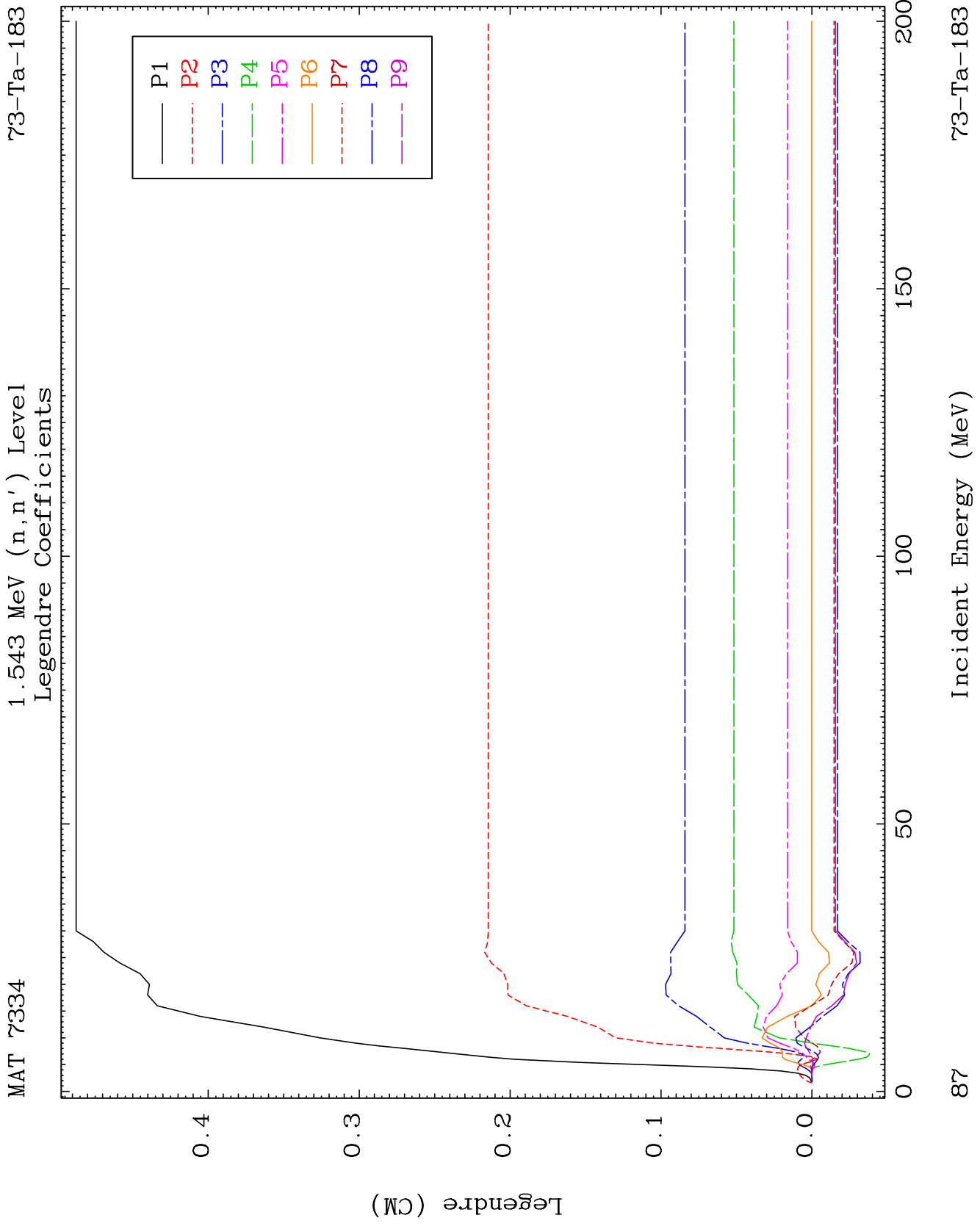


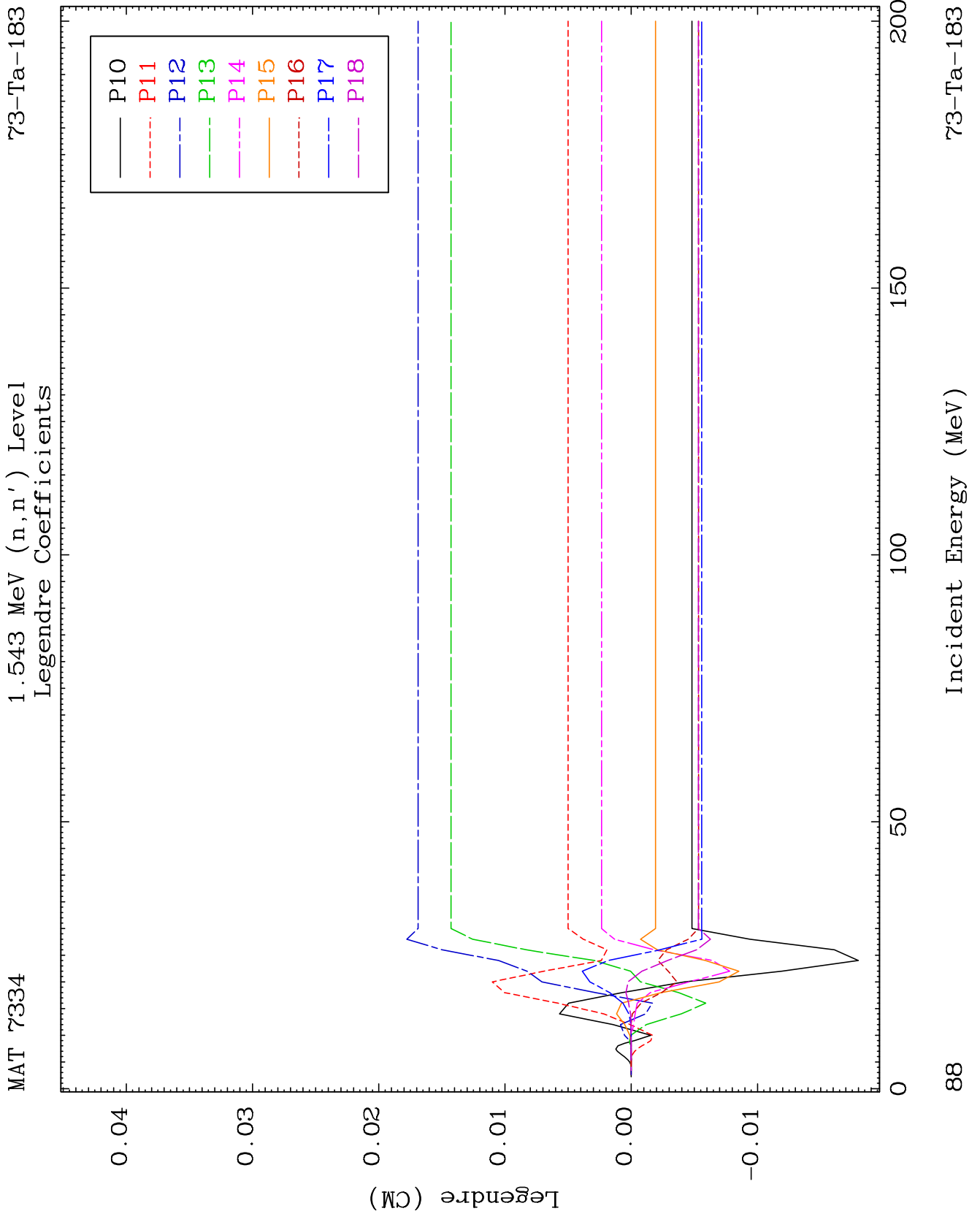
85

Incident Energy (MeV)

73-Ta-183



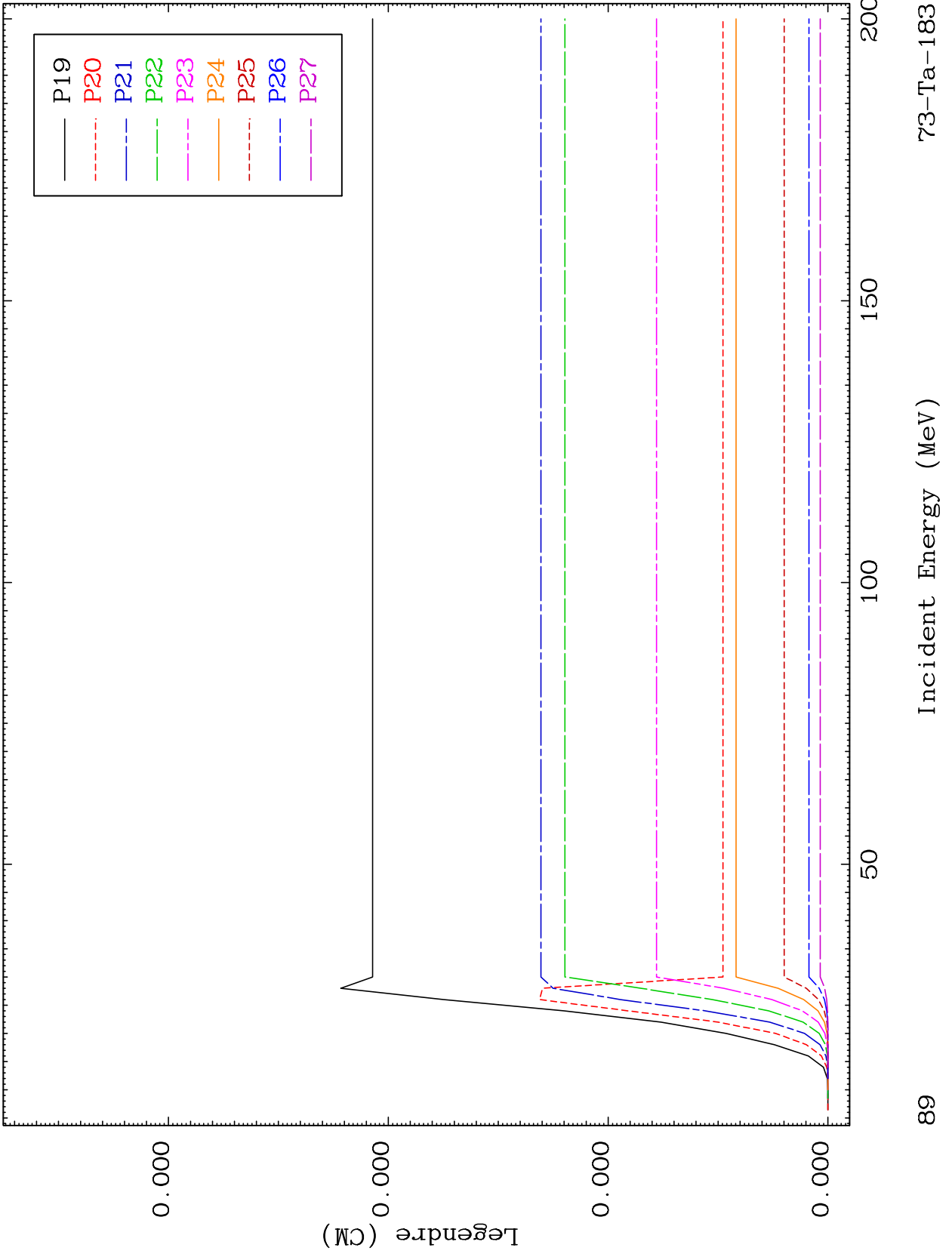




MAT 7334

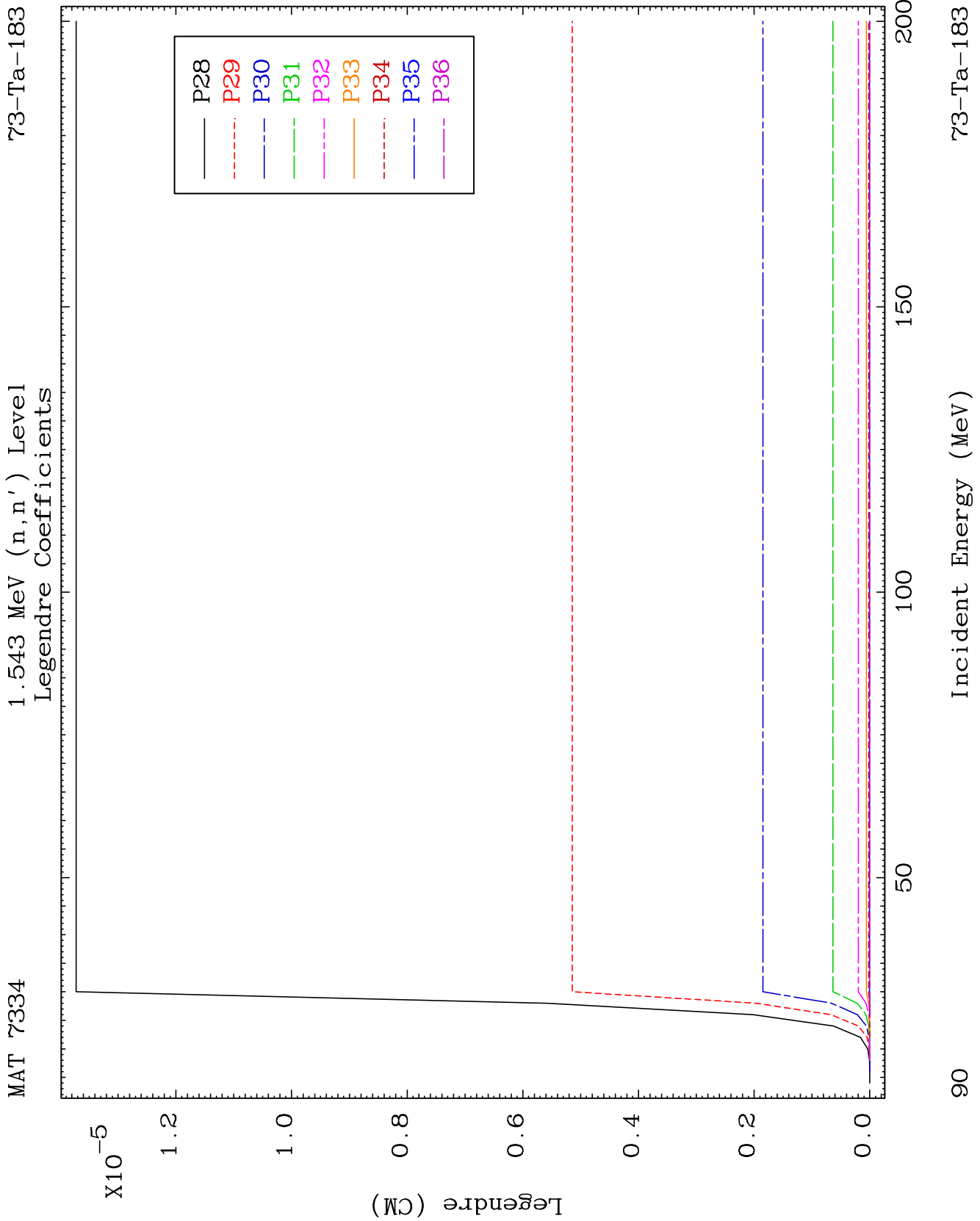
1.543 MeV (n,n') Level
Legendre Coefficients

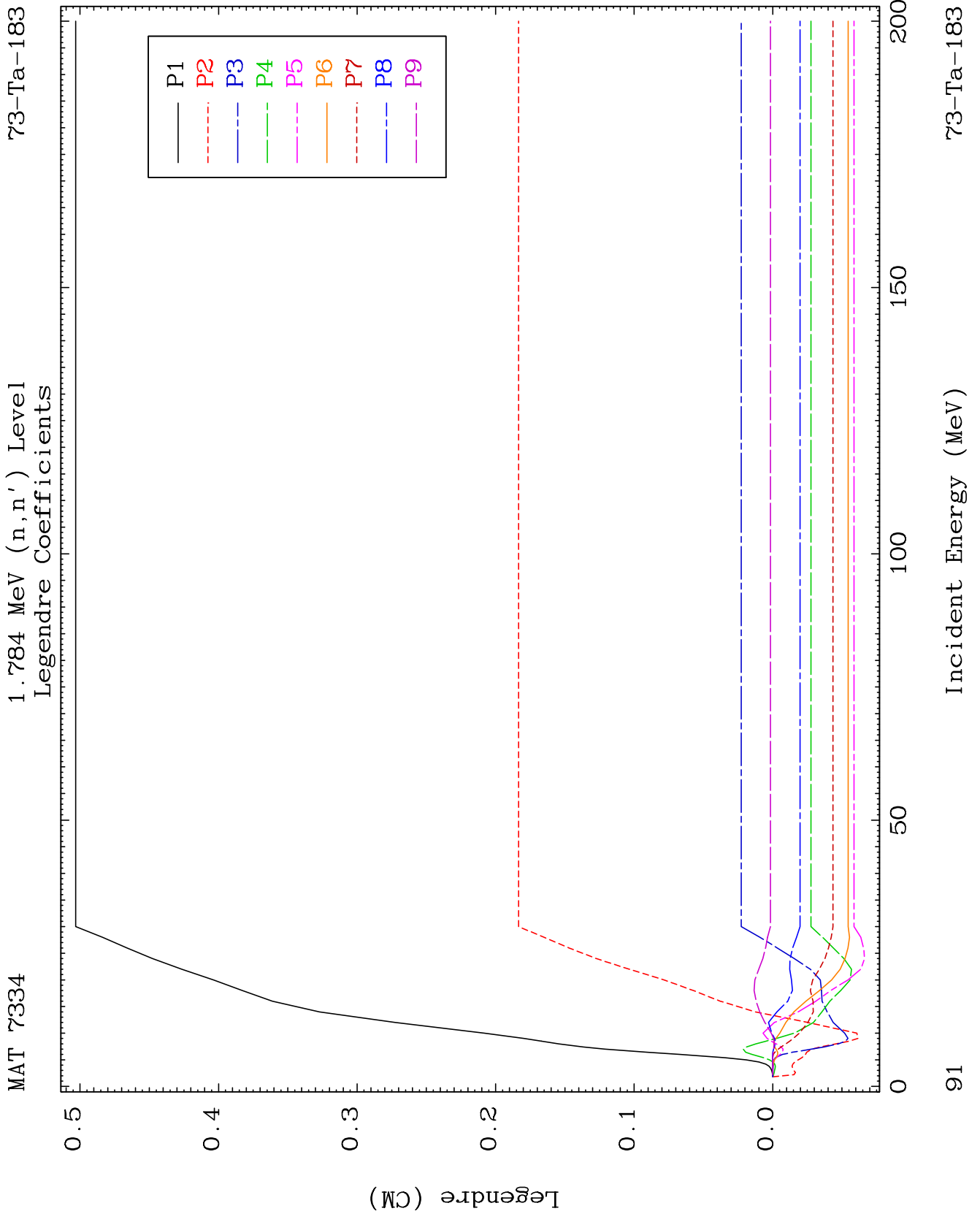
73-Ta-183

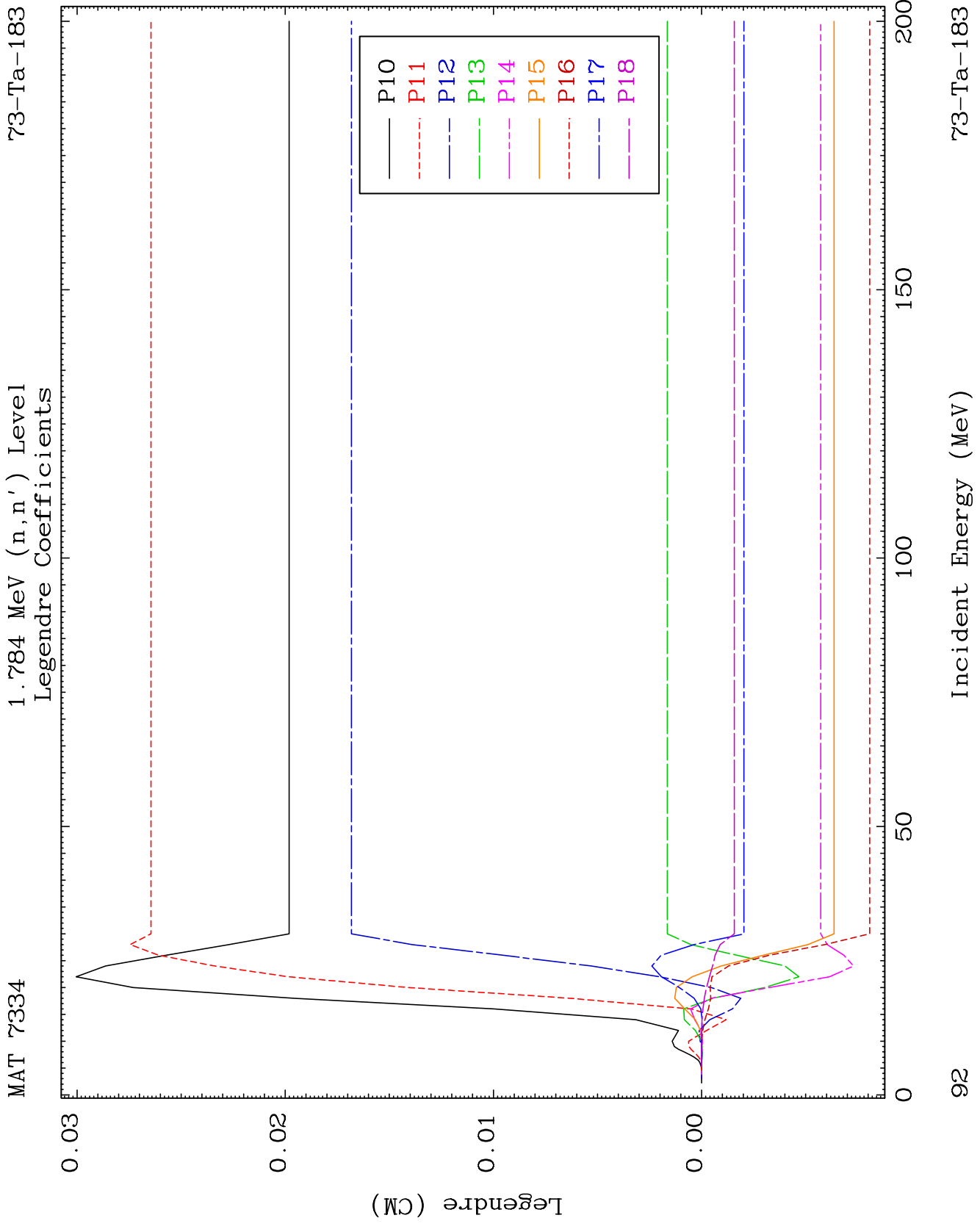


89

73-Ta-183



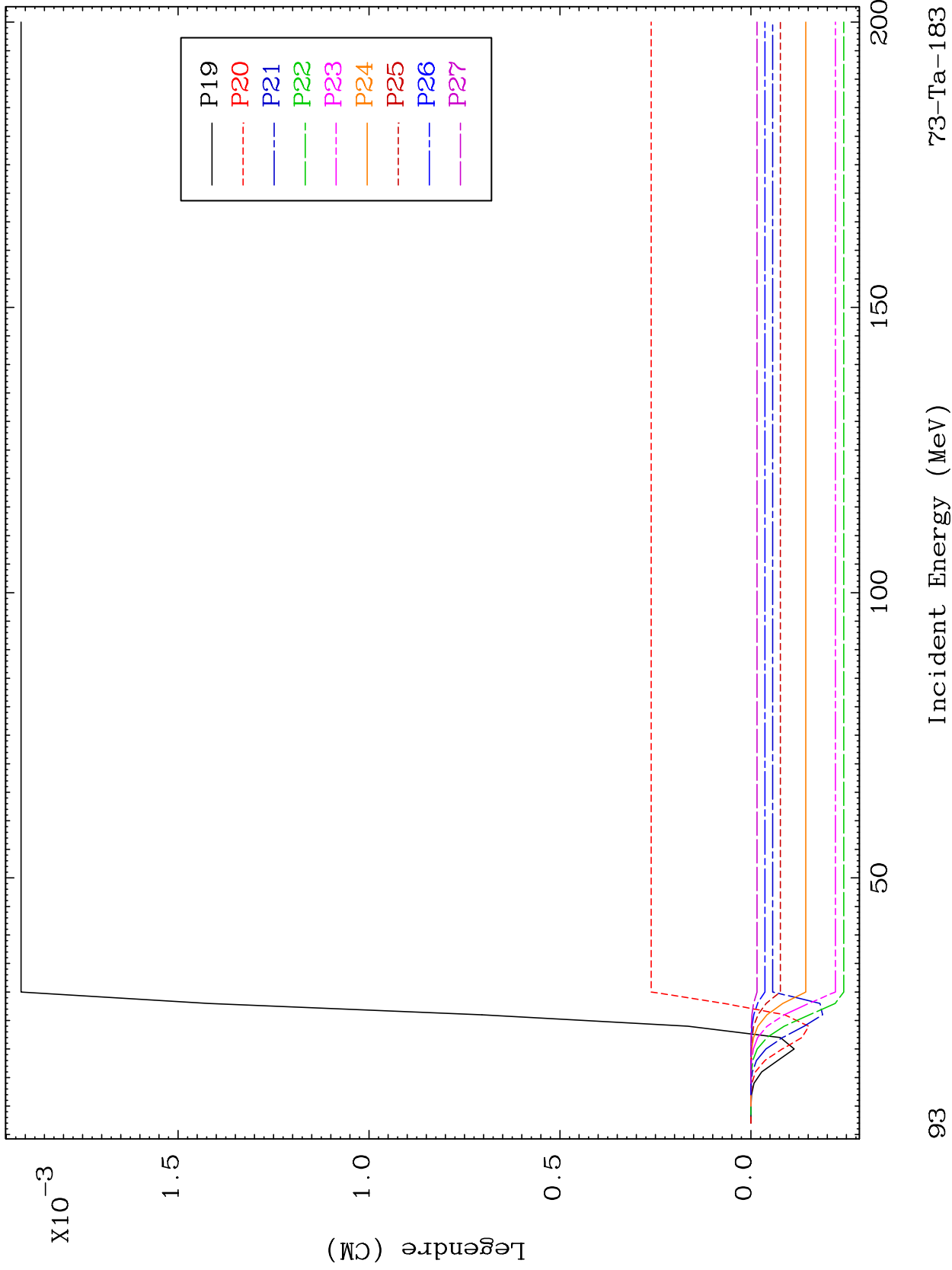




MAT 7334

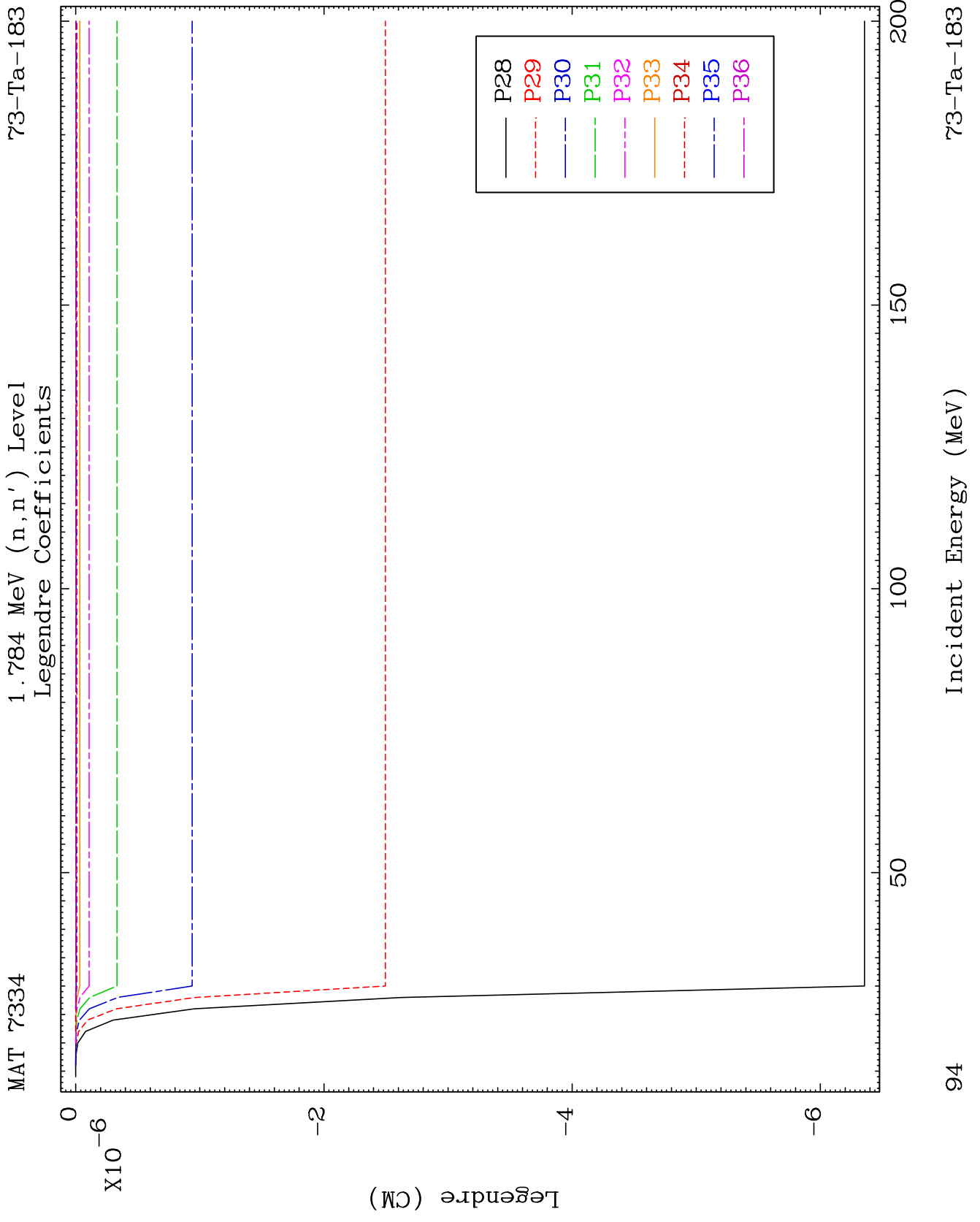
1.784 MeV (n,n') Level
Legendre Coefficients

73-Ta-183



93

73-Ta-183

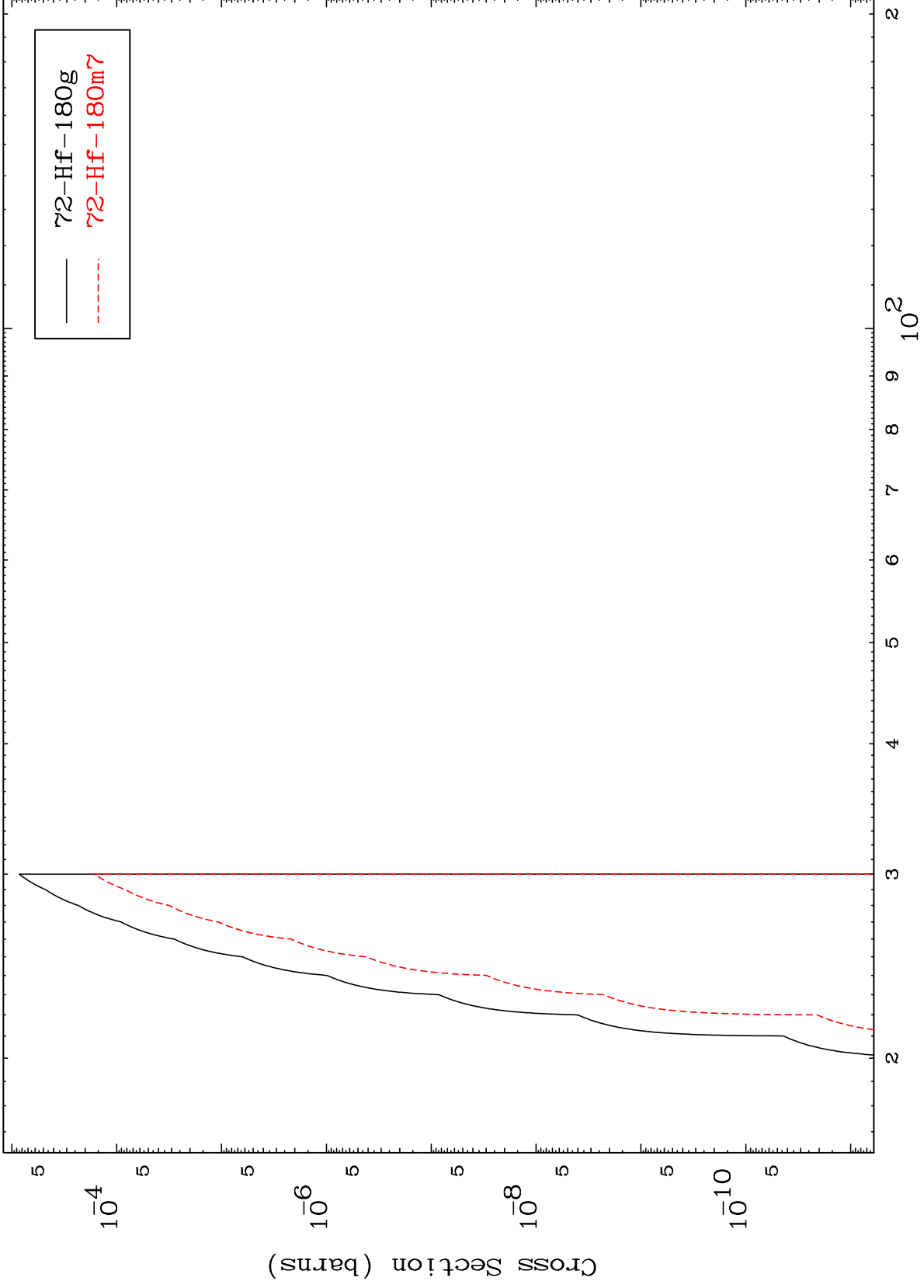


MAT 7334

(n,2n) d

73-Ta-183

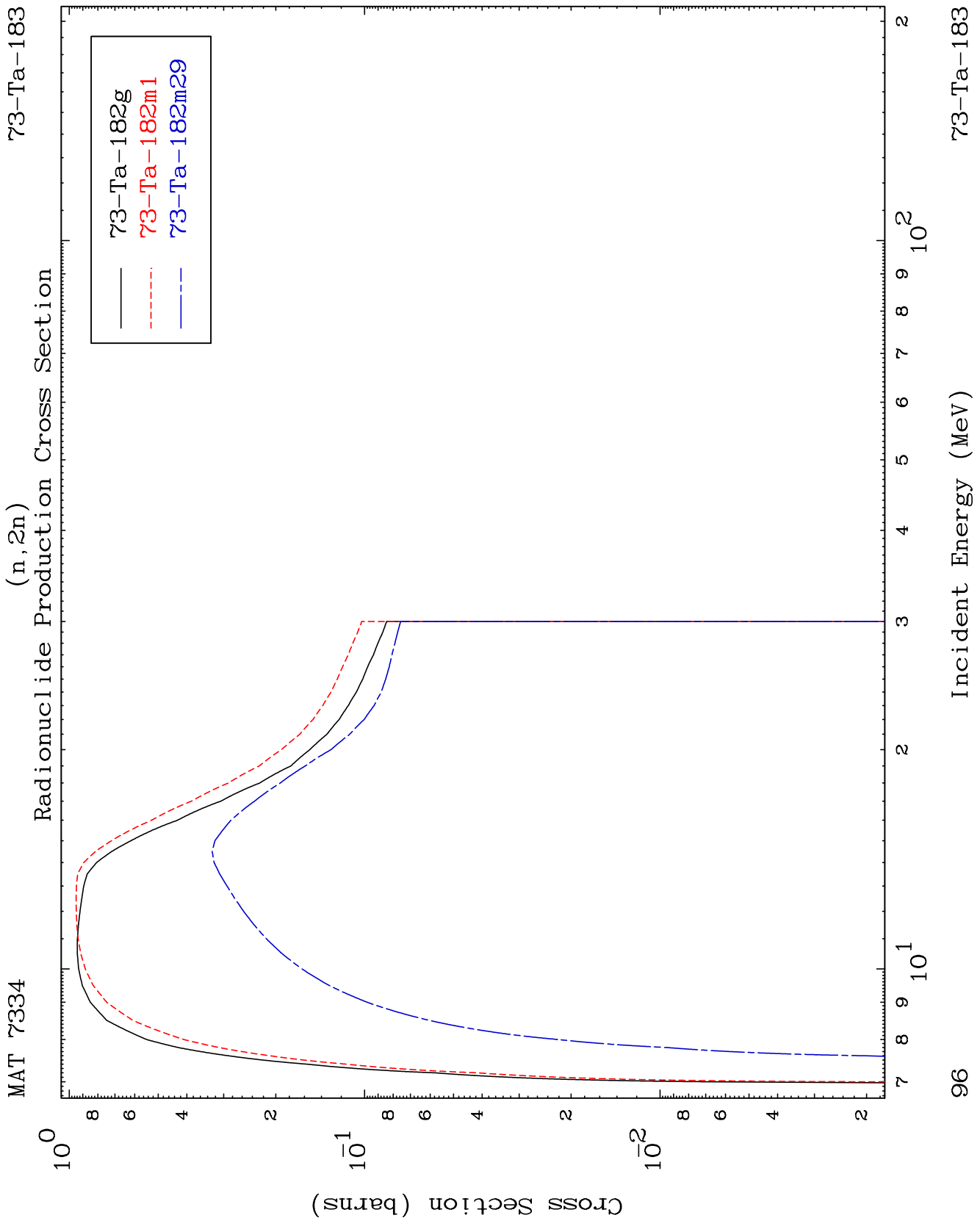
Radionuclide Production Cross Section



95

Incident Energy (MeV)

73-Ta-183

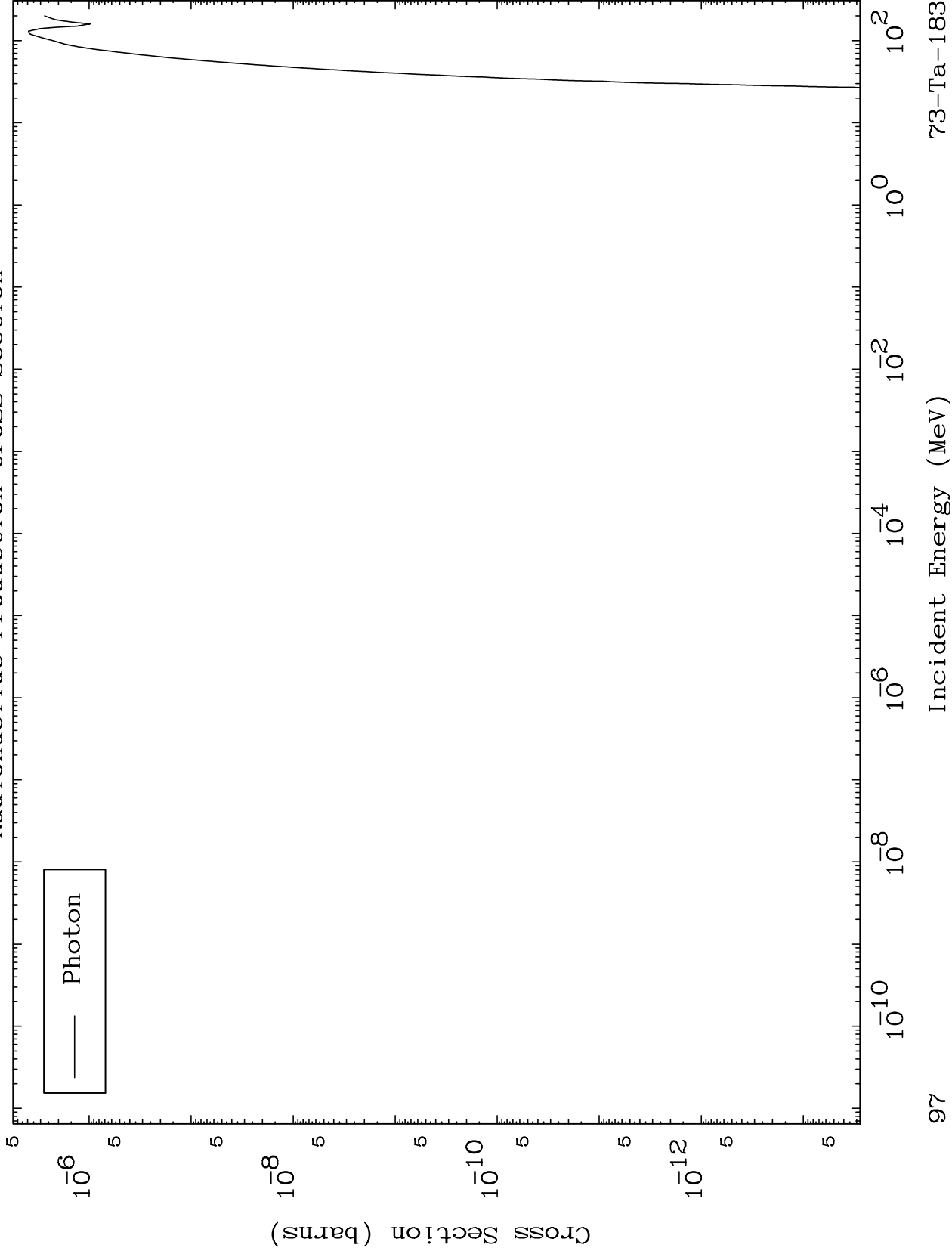


MAT 7334

Fission

73-Ta-183

Radionuclide Production Cross Section

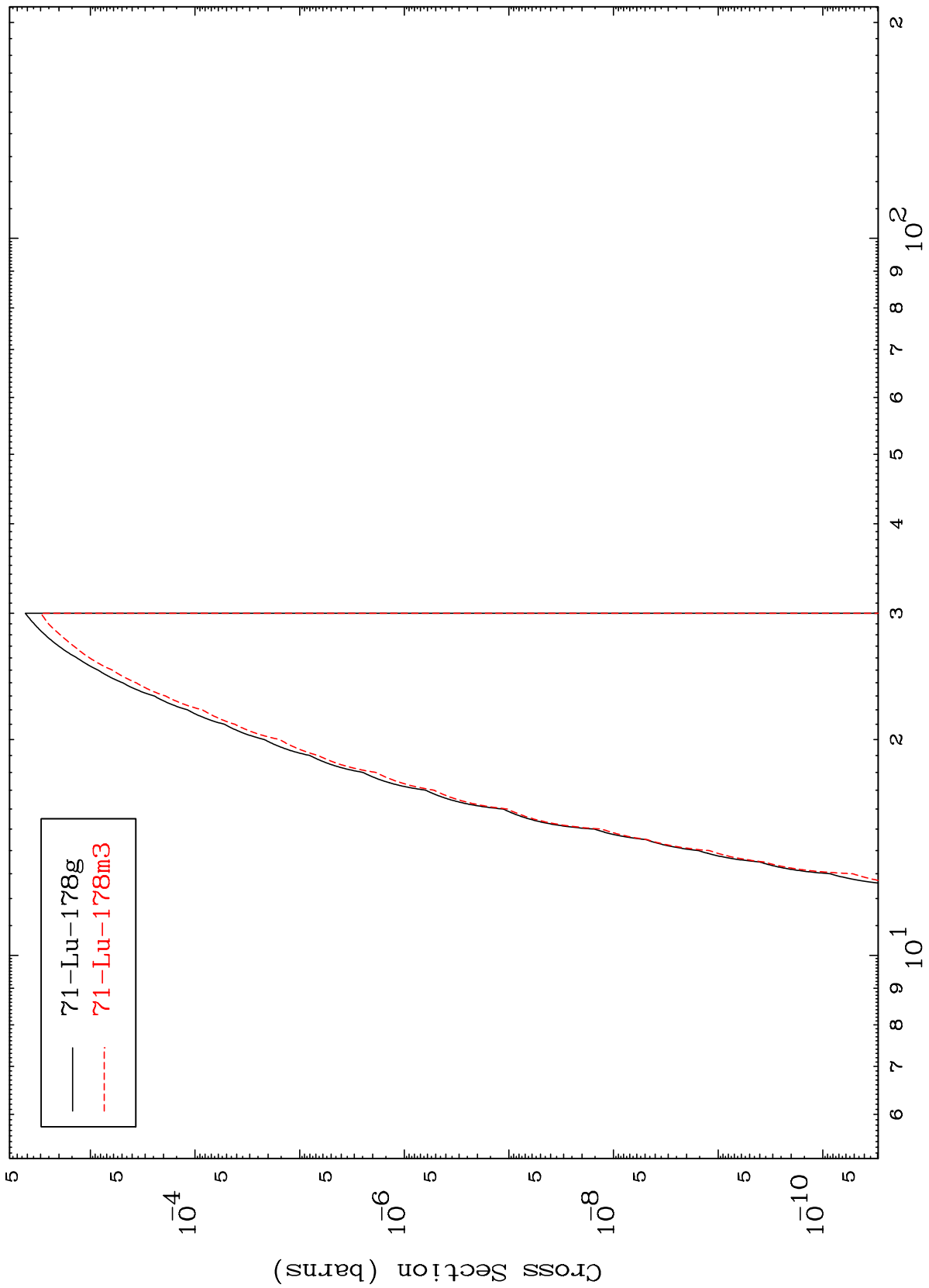


MAT 7334

$(n,2n) \alpha$

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

Radionuclide Production Cross Section



98

Incident Energy (MeV)

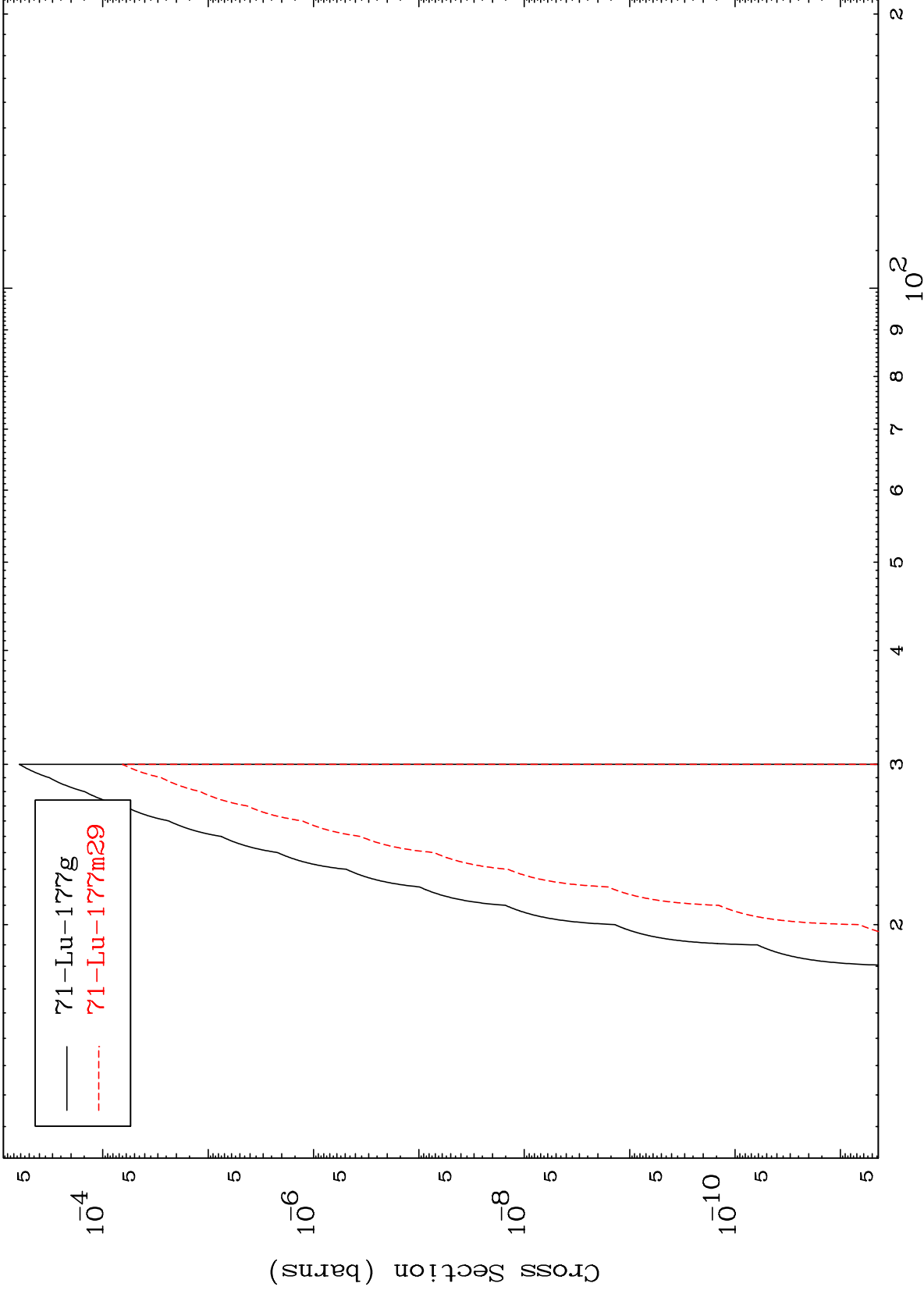
$^{73}\text{Ta-183}$

MAT 7334

(n,3n) α

73-Ta-183

Radionuclide Production Cross Section

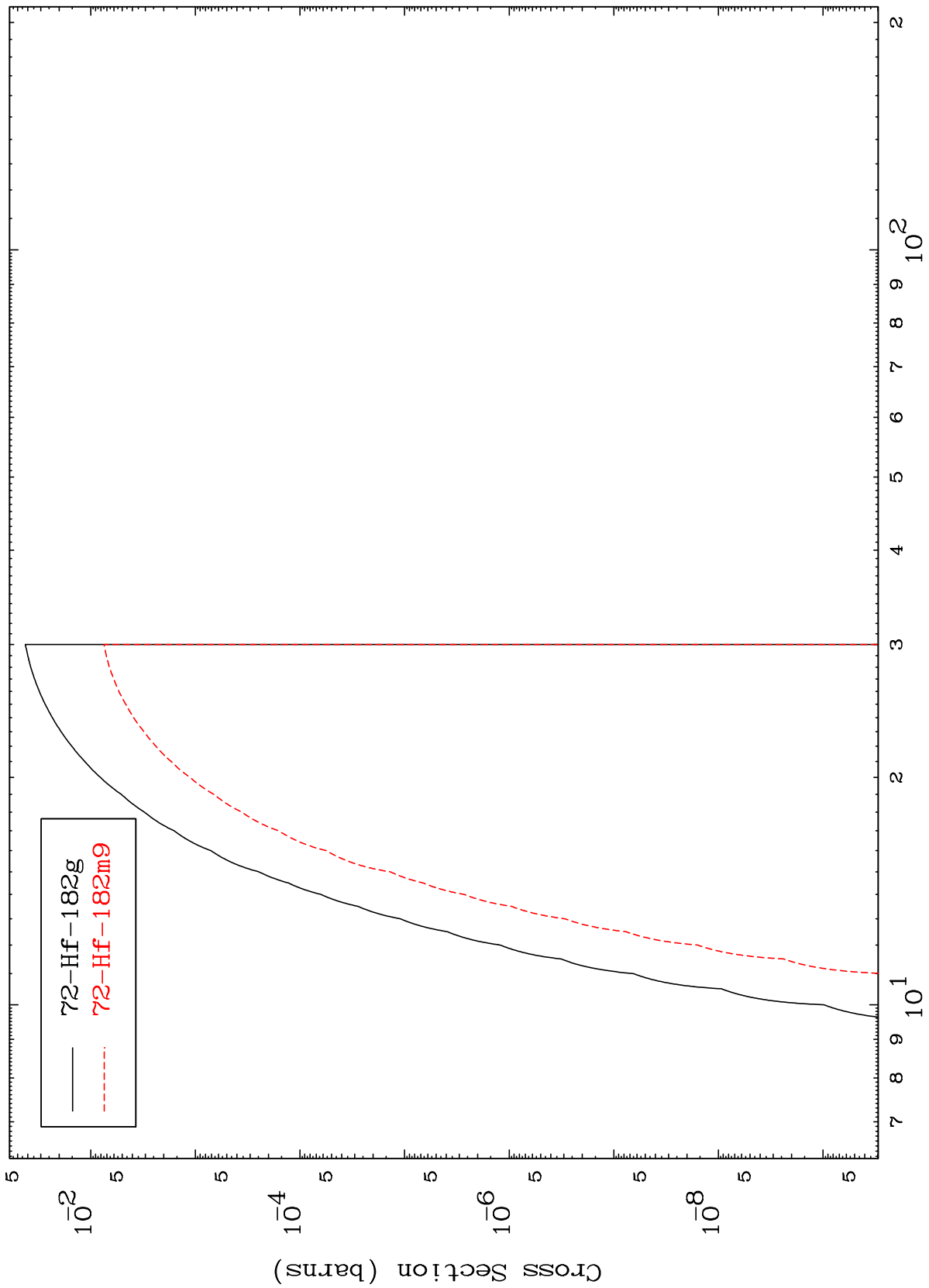


MAT 7334

(n,n') p

⁷³Ta-183

Radionuclide Production Cross Section



— ⁷²Hf-182g
- - - ⁷²Hf-182m9

100

Incident Energy (MeV)

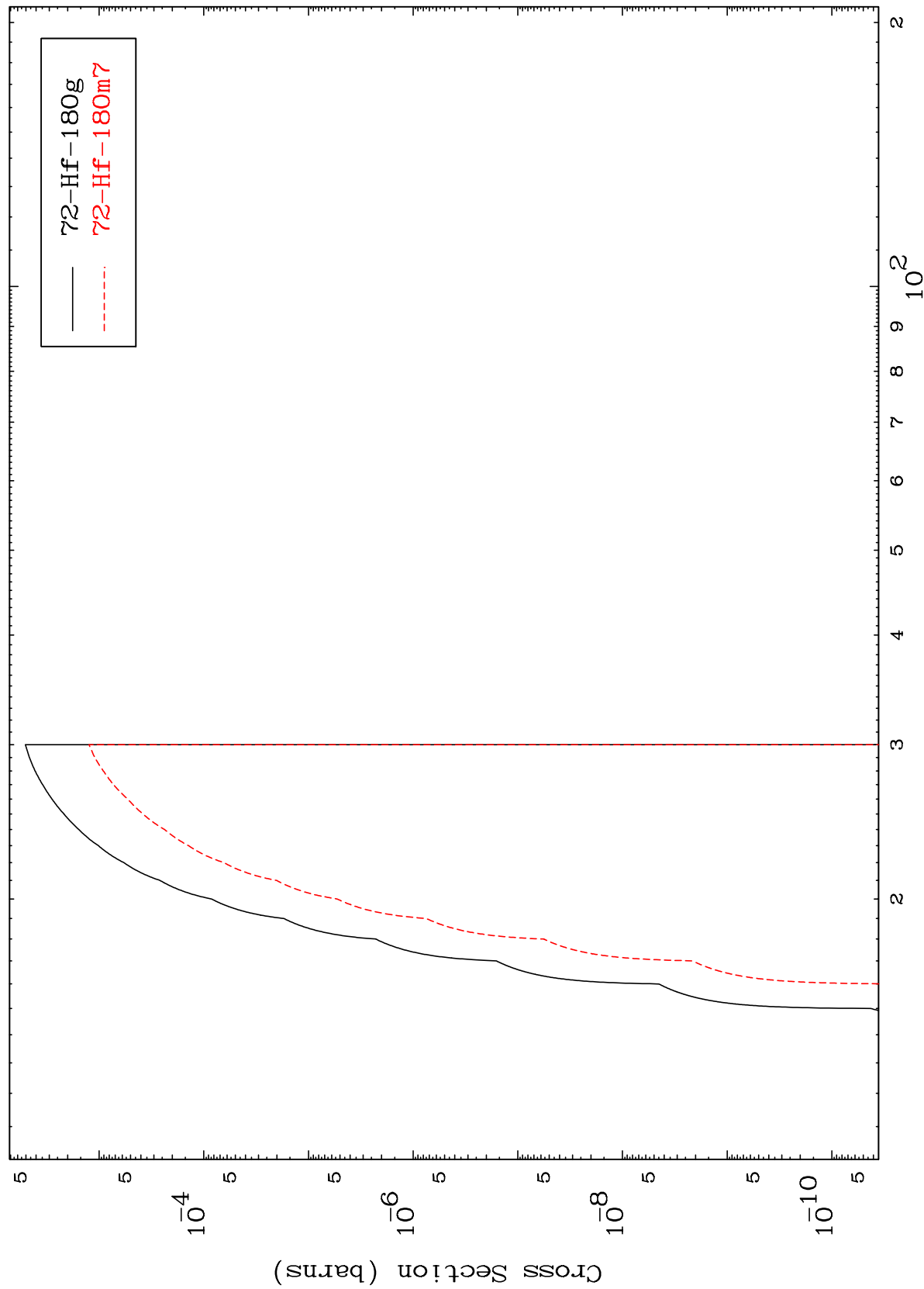
⁷³Ta-183

MAT 7334

(n,n') t

73-Ta-183

Radionuclide Production Cross Section



101

Incident Energy (MeV)

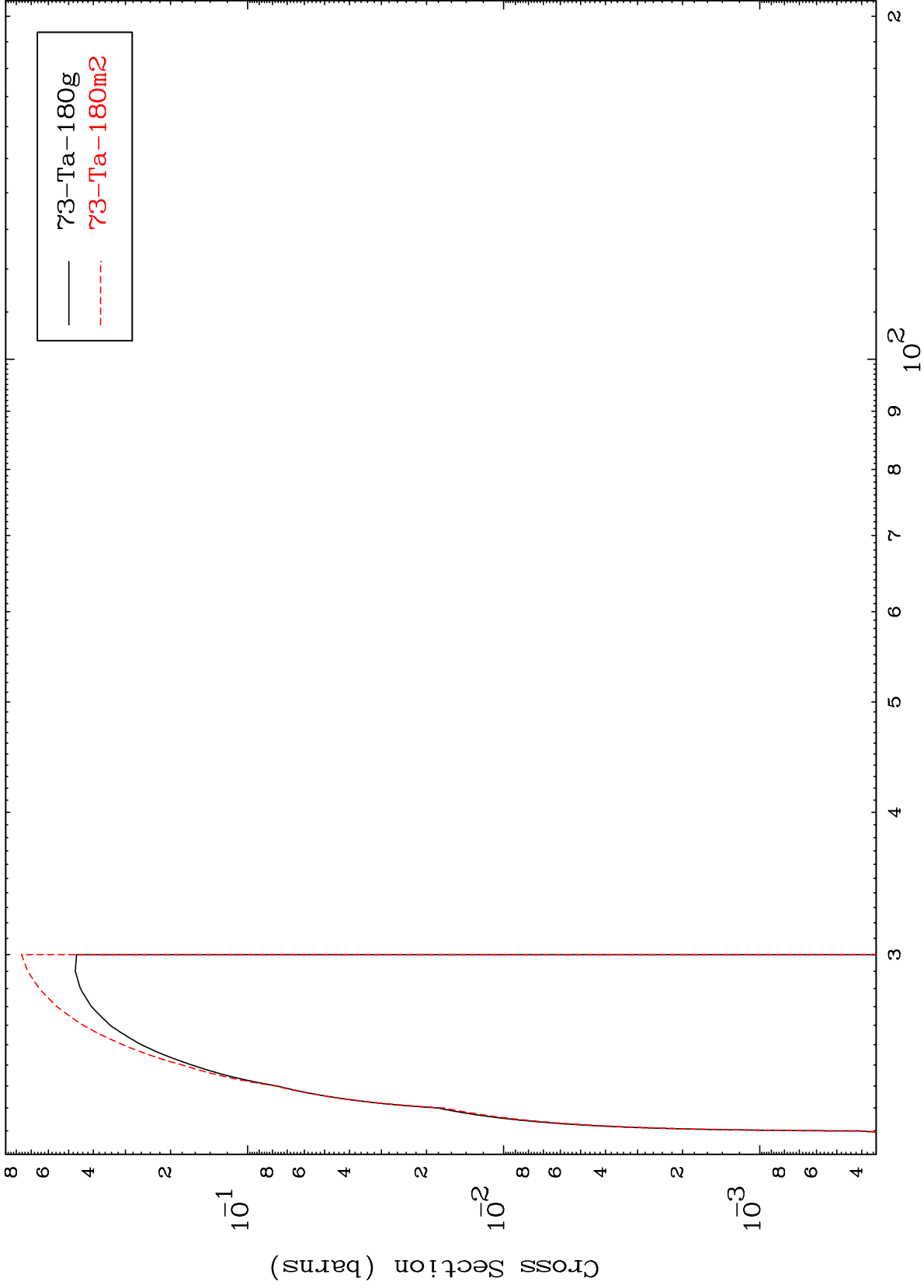
73-Ta-183

MAT 7334

(n,4n)

⁷³Ta-183

Radionuclide Production Cross Section



102

Incident Energy (MeV)

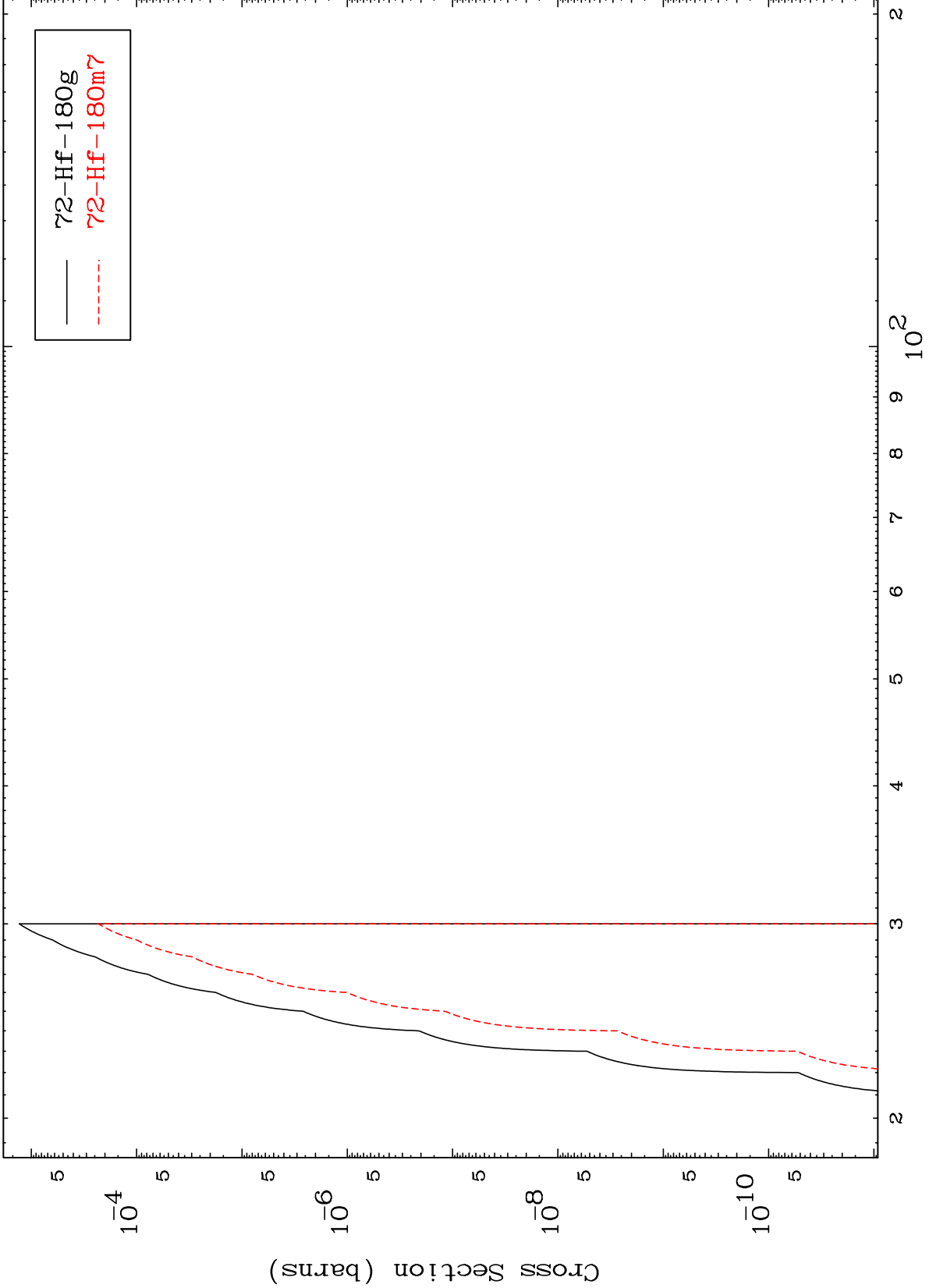
⁷³Ta-183

MAT 7334

(n,3n) p

⁷³Ta-183

Radionuclide Production Cross Section



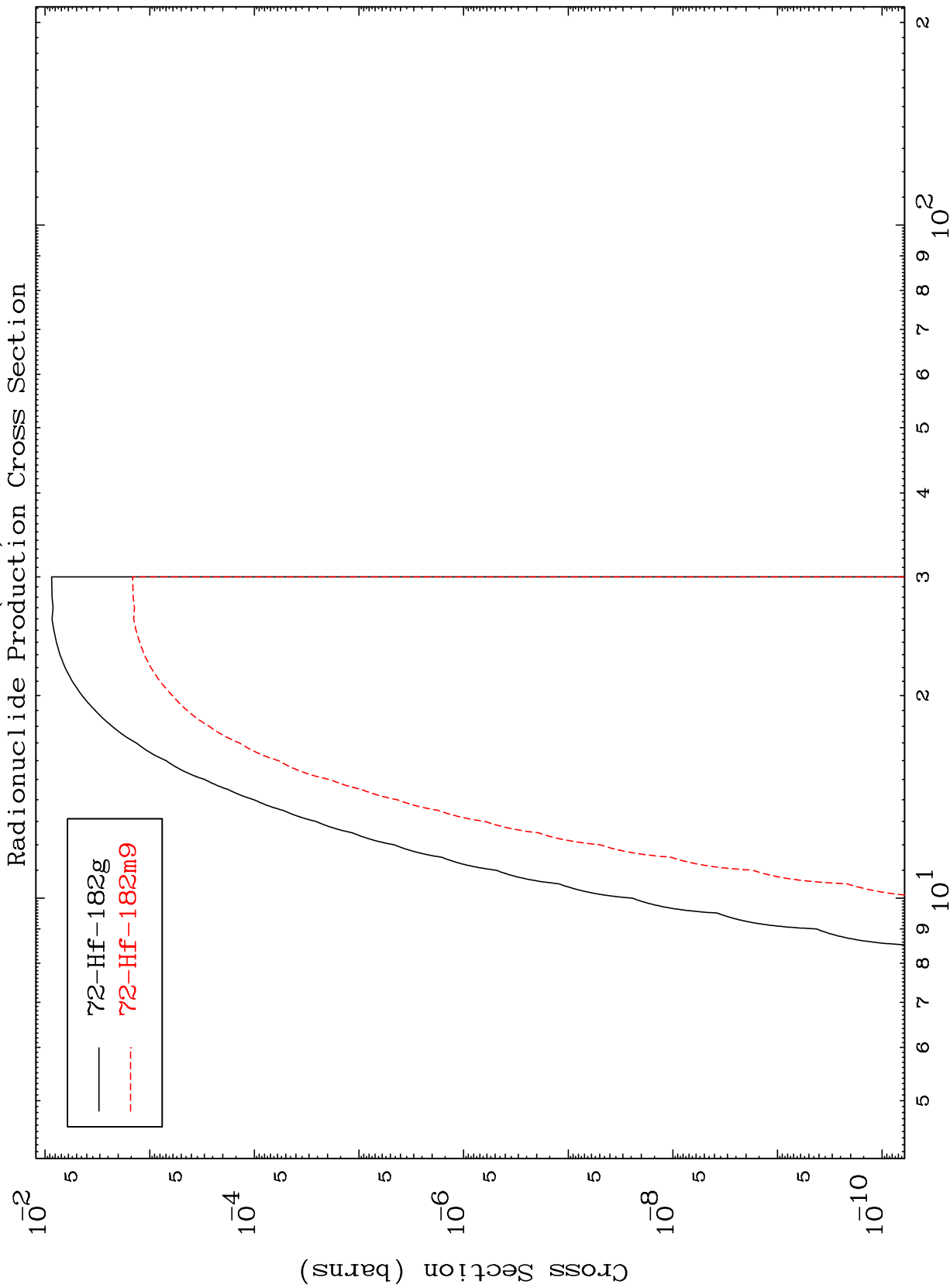
103

Incident Energy (MeV)

⁷³Ta-183

MAT 7334

73-Ta-183



104

73-Ta-183