

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

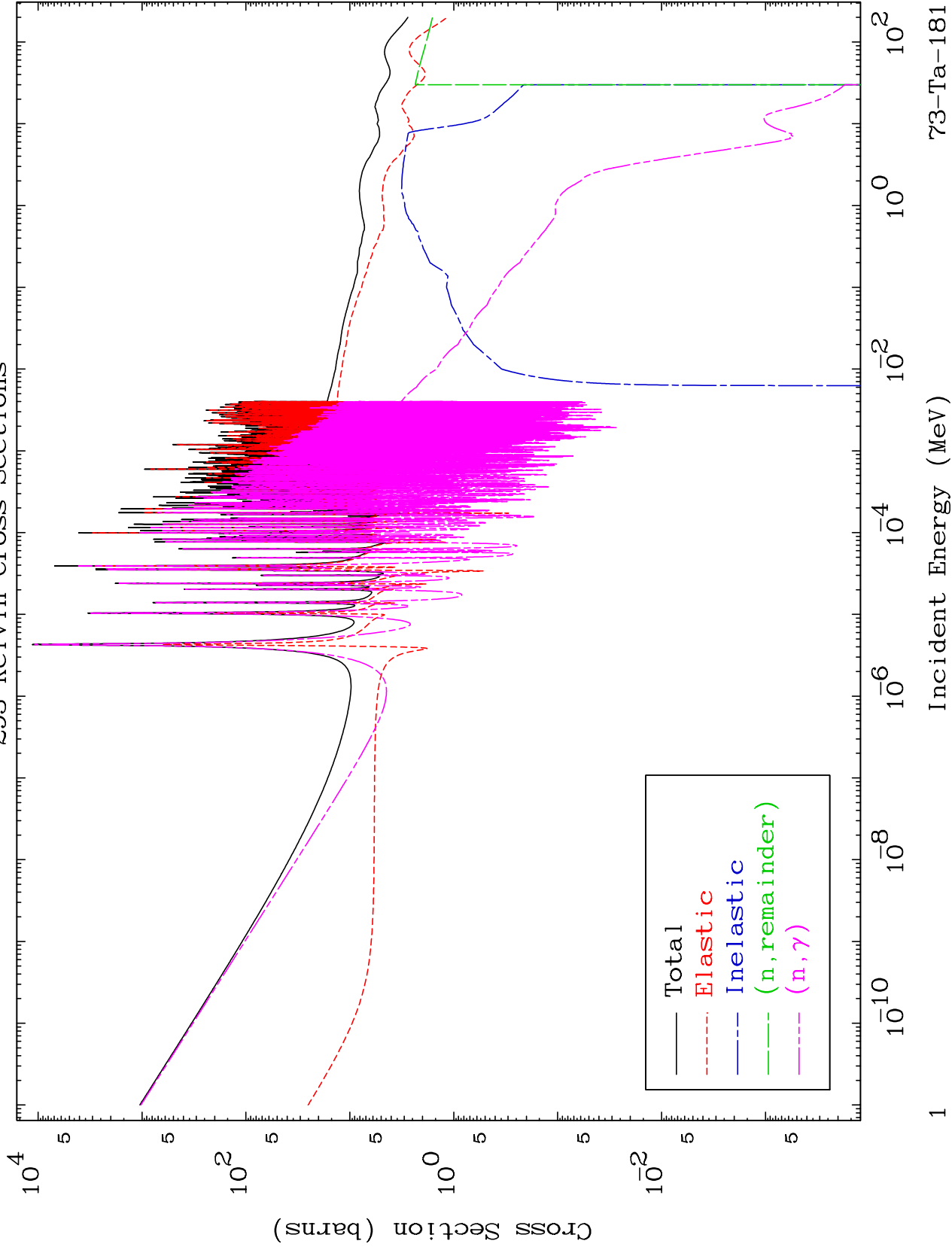
Press Mouse Button to Start

MAT 7328

Major

293 Kelvin Cross Sections

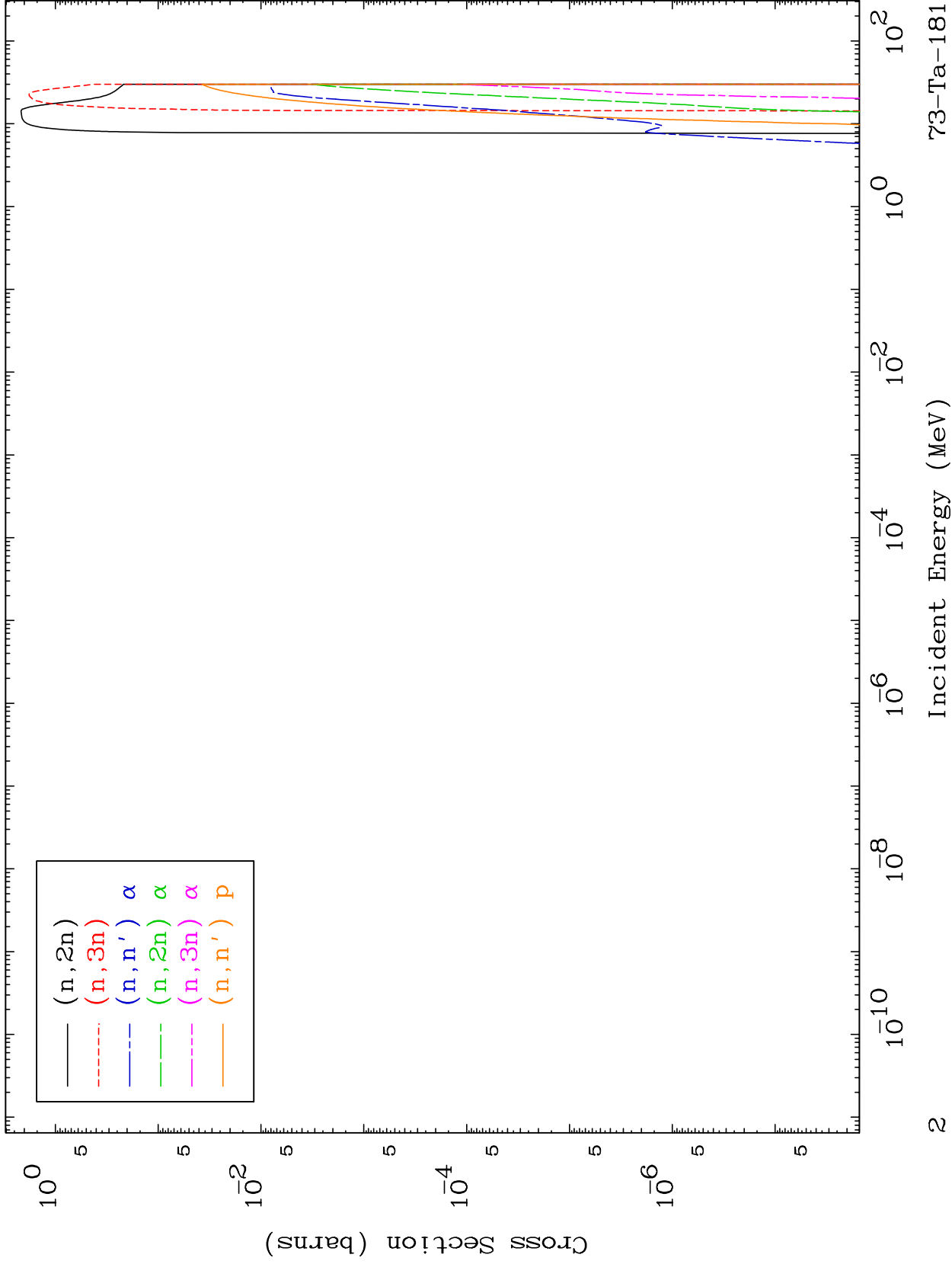
73-Ta-181

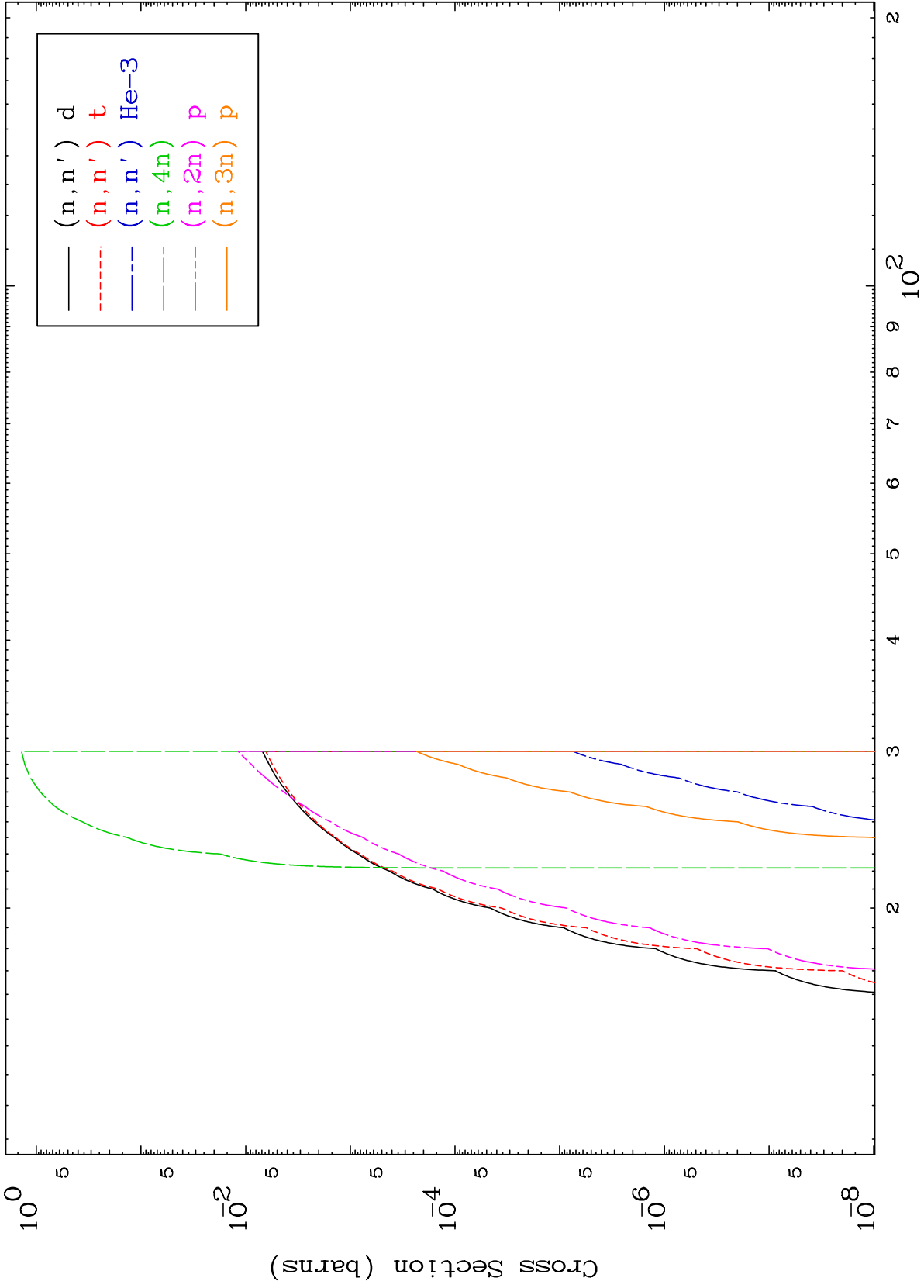


MAT 7328

Neutron Production
293 Kelvin Cross Sections

73-Ta-181

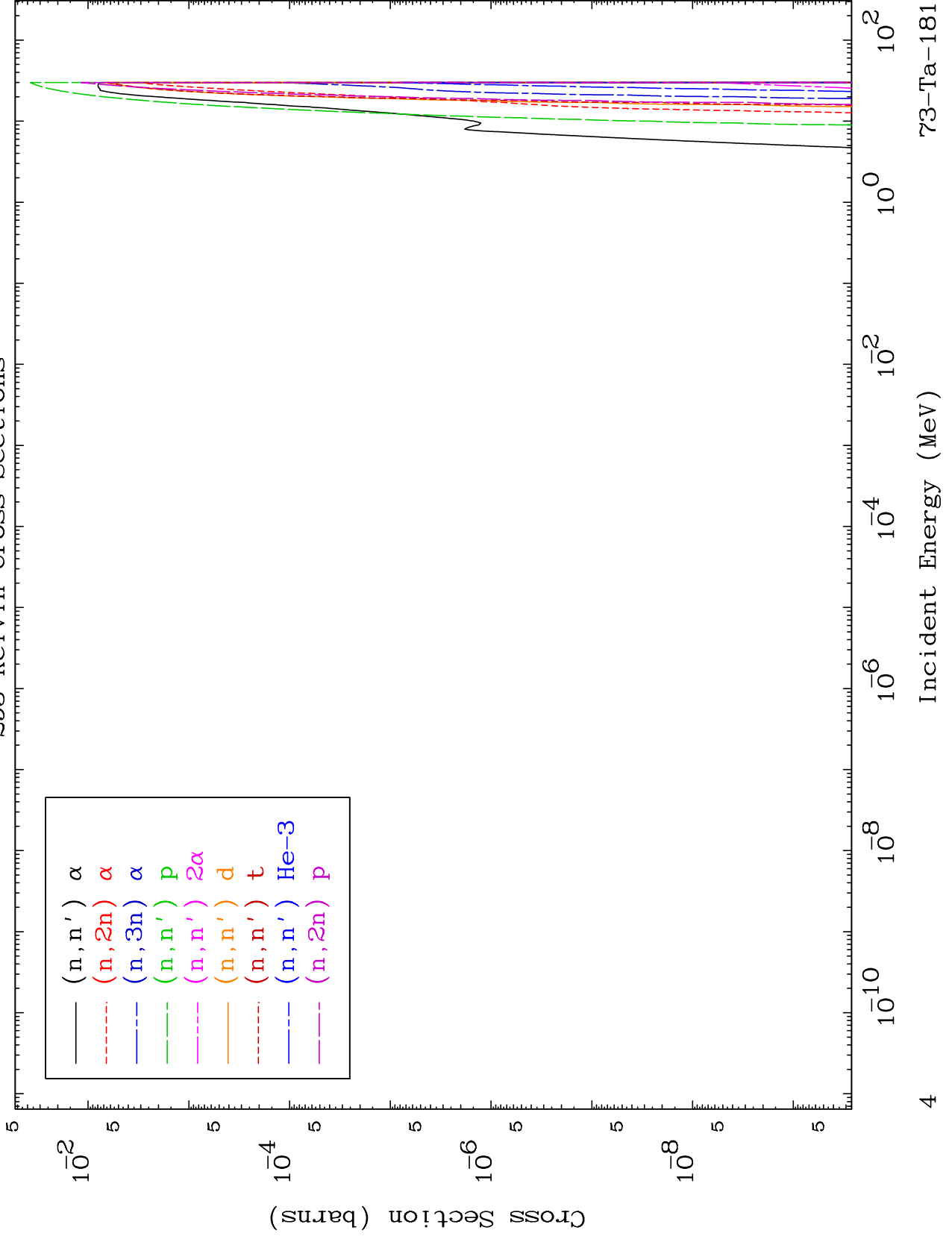




MAT 7328

Charged Particle
293 Kelvin Cross Sections

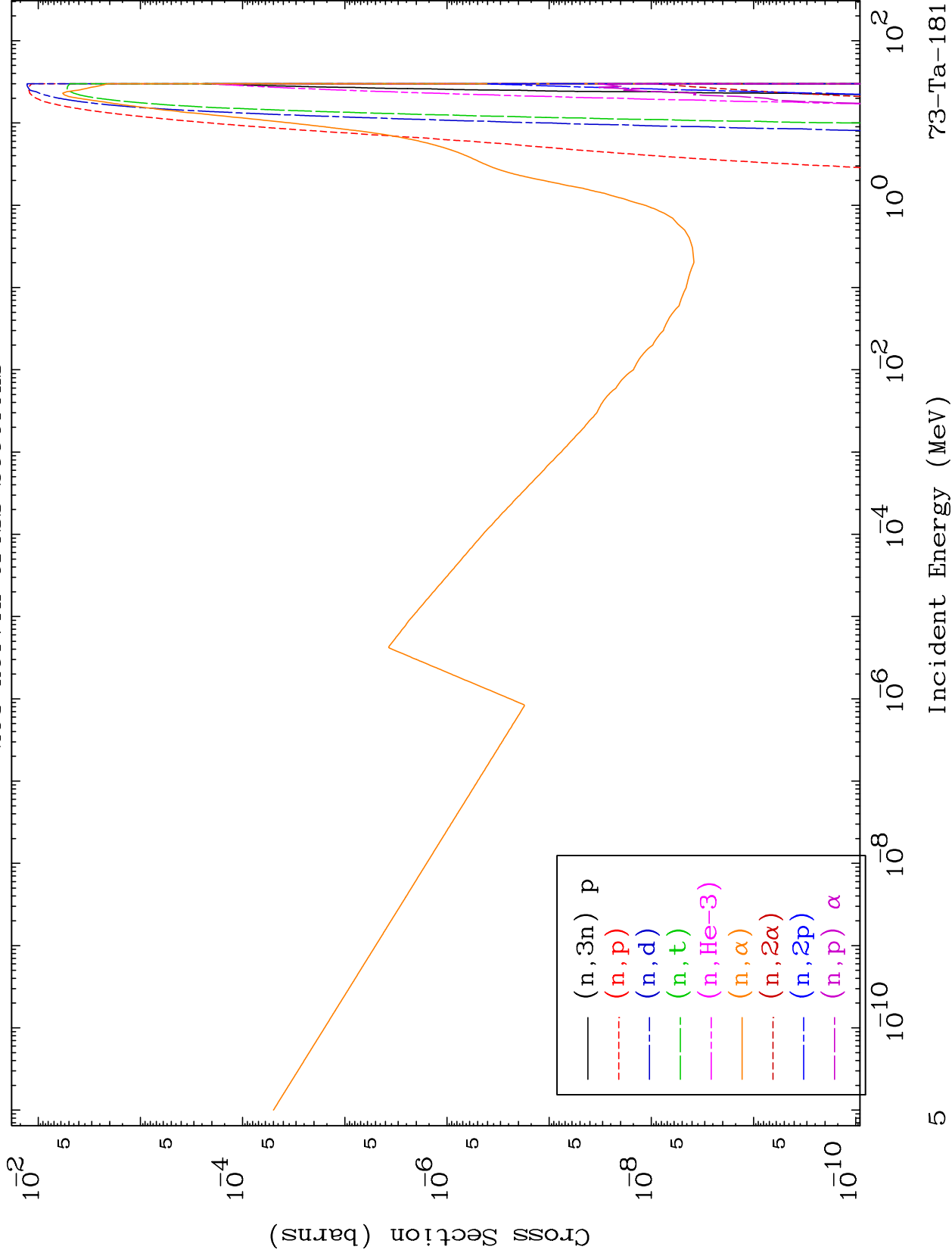
73-Ta-181

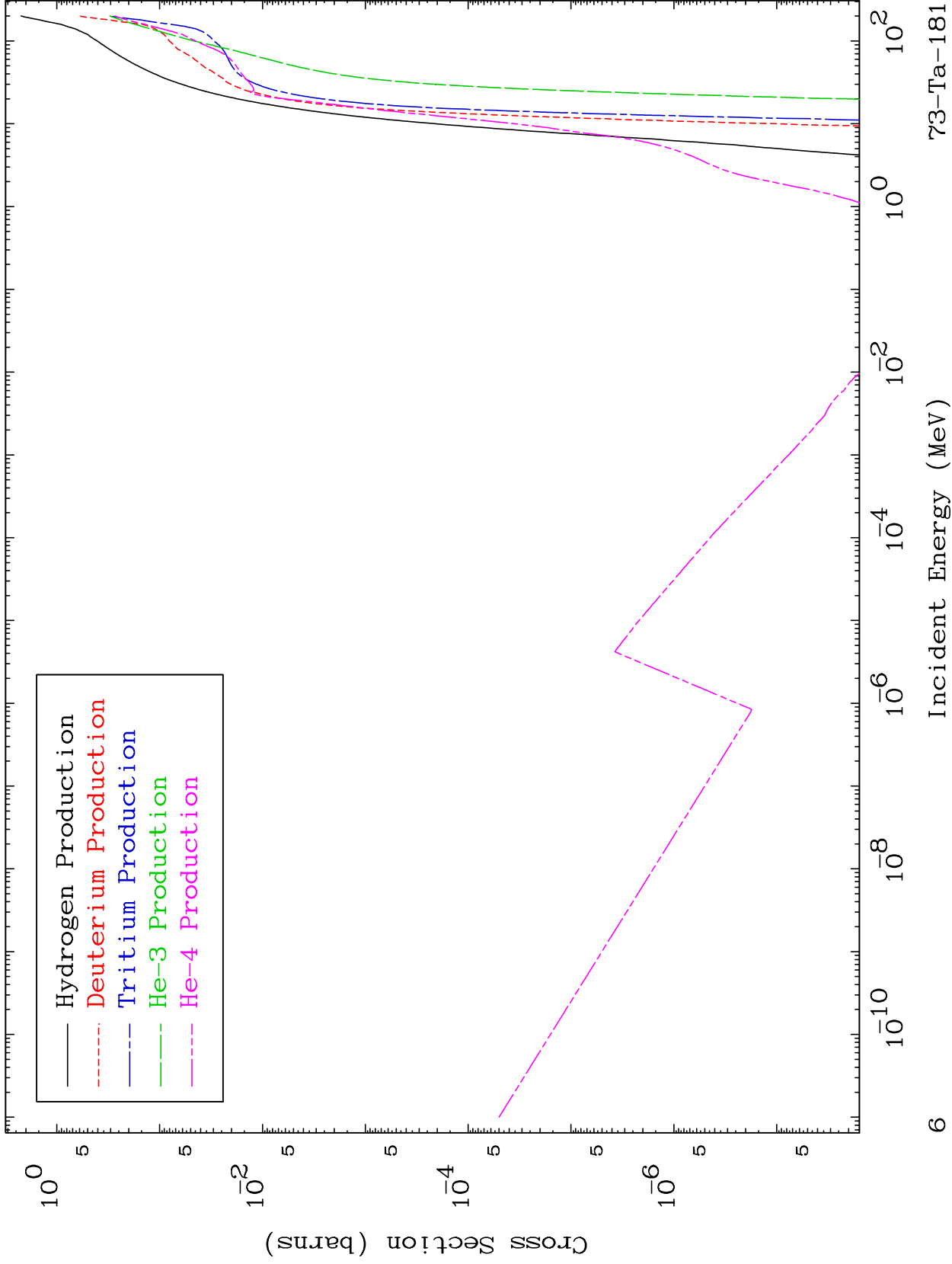


MAT 7328

Charged Particle
293 Kelvin Cross Sections

73-Ta-181

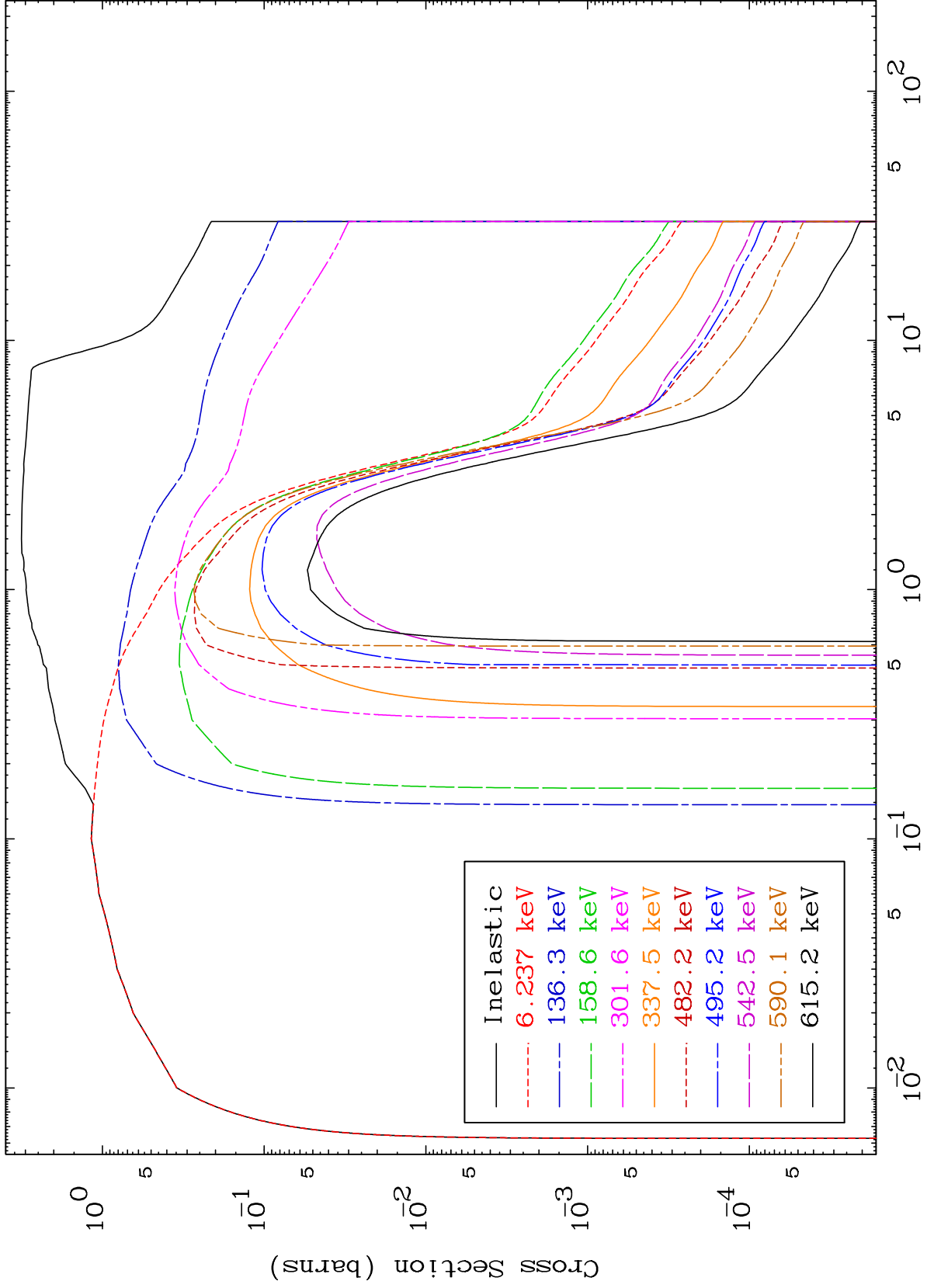




MAT 7328

(n,n') Level
293 Kelvin Cross Sections

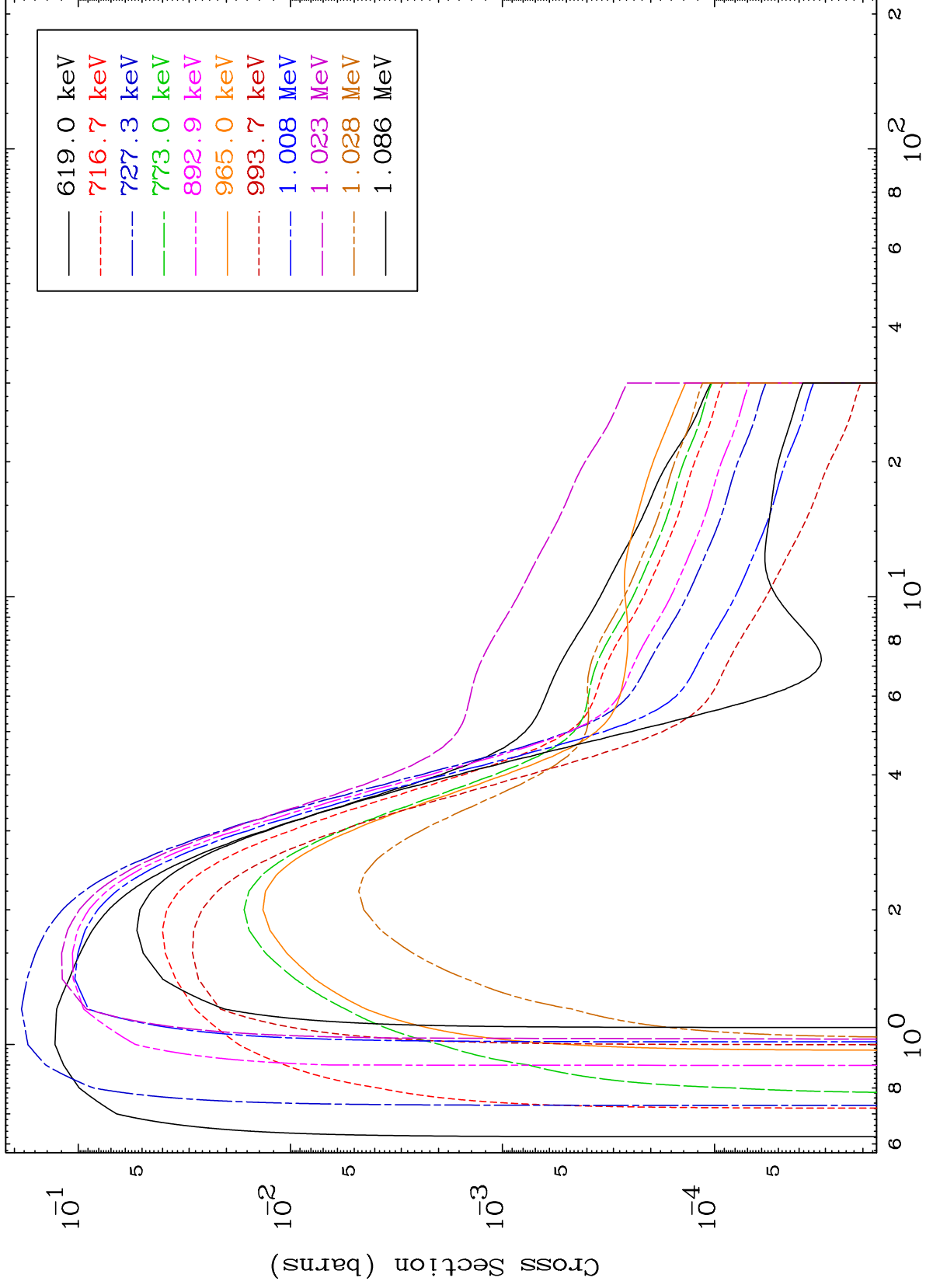
73-Ta-181



MAT 7328

(n,n') Level
293 Kelvin Cross Sections

73-Ta-181



8

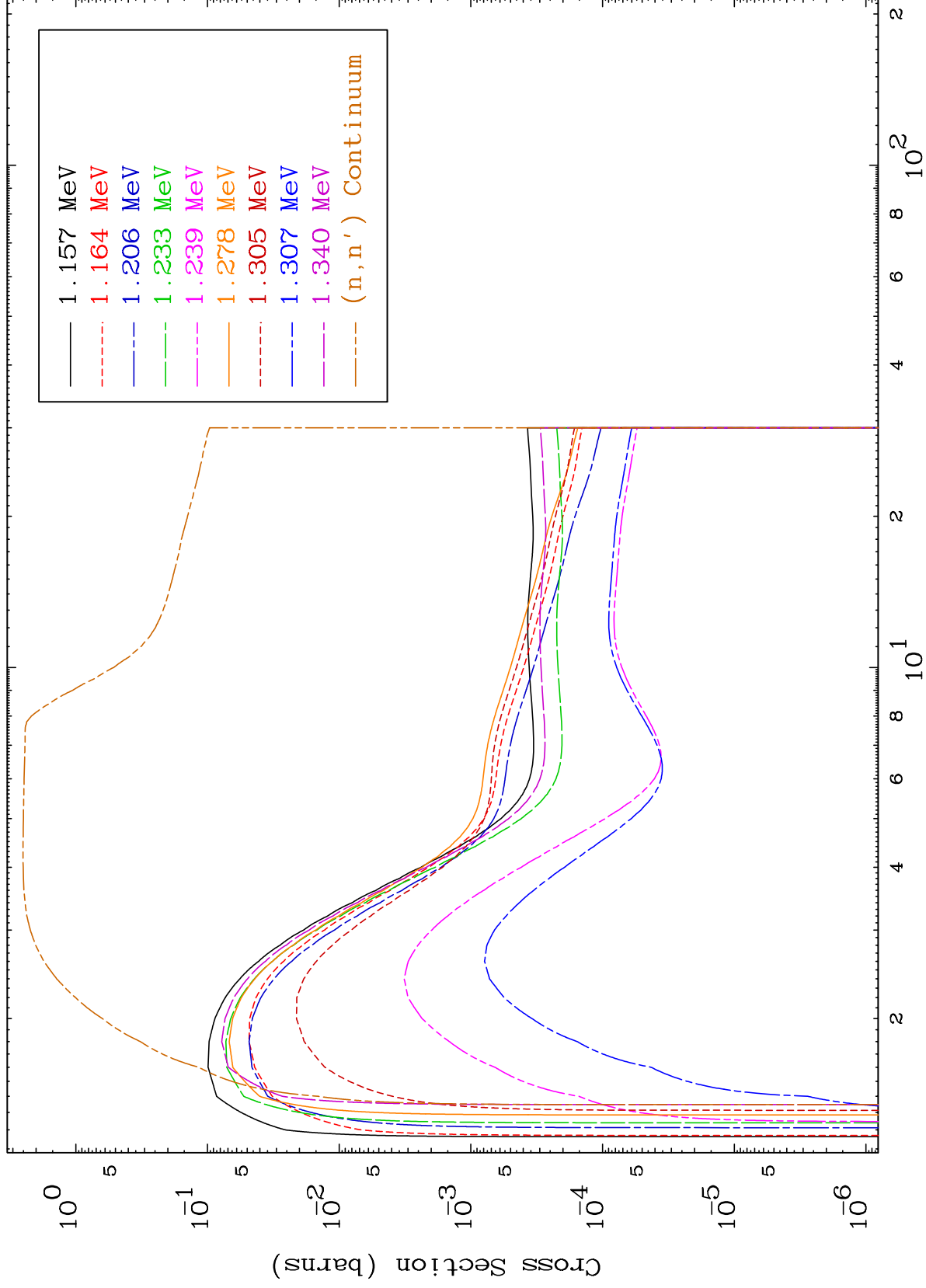
Incident Energy (MeV)

73-Ta-181

MAT 7328

(n,n') Level
293 Kelvin Cross Sections

73-Ta-181



9

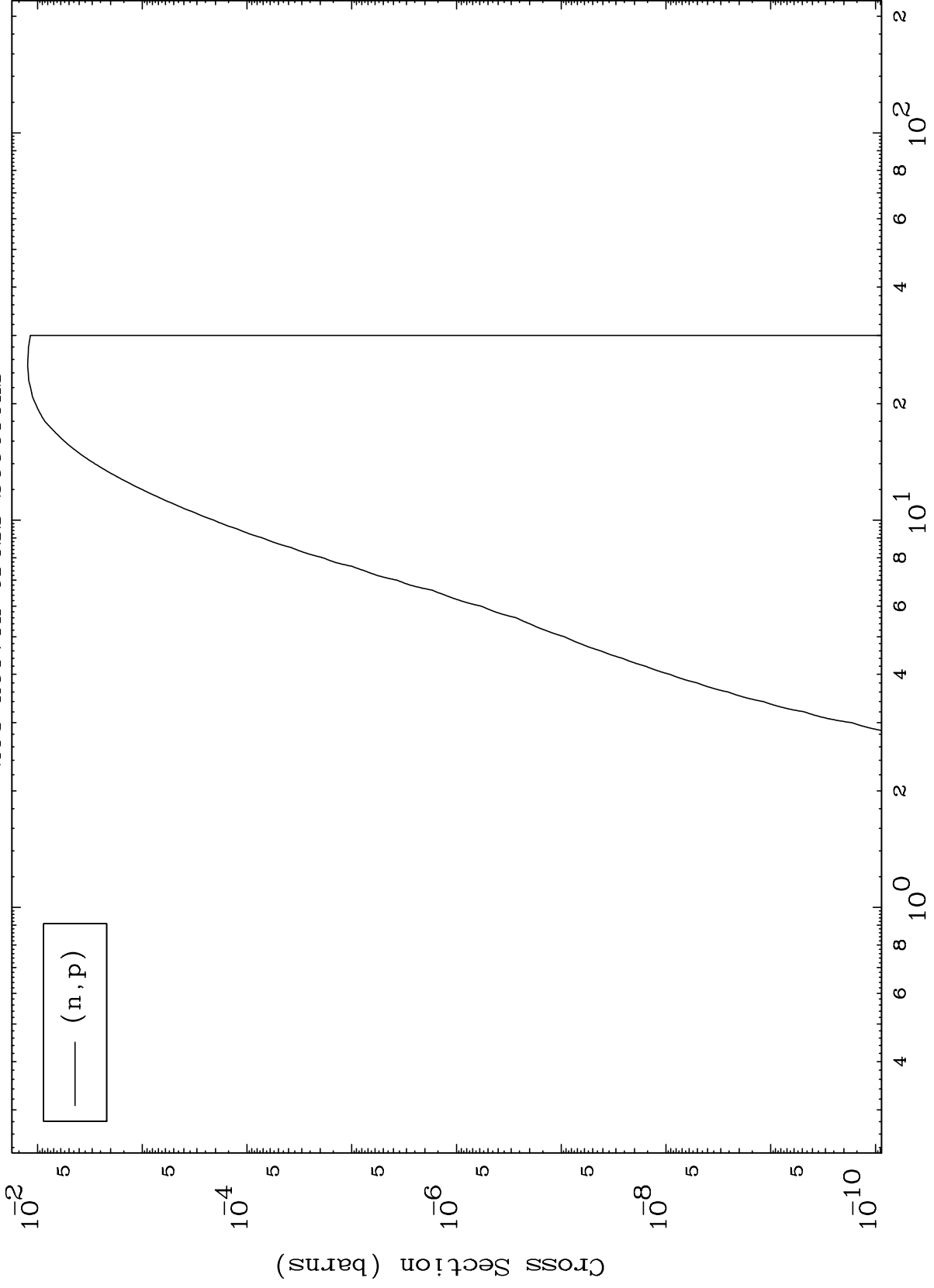
Incident Energy (MeV)

73-Ta-181

MAT 7328

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-181



10

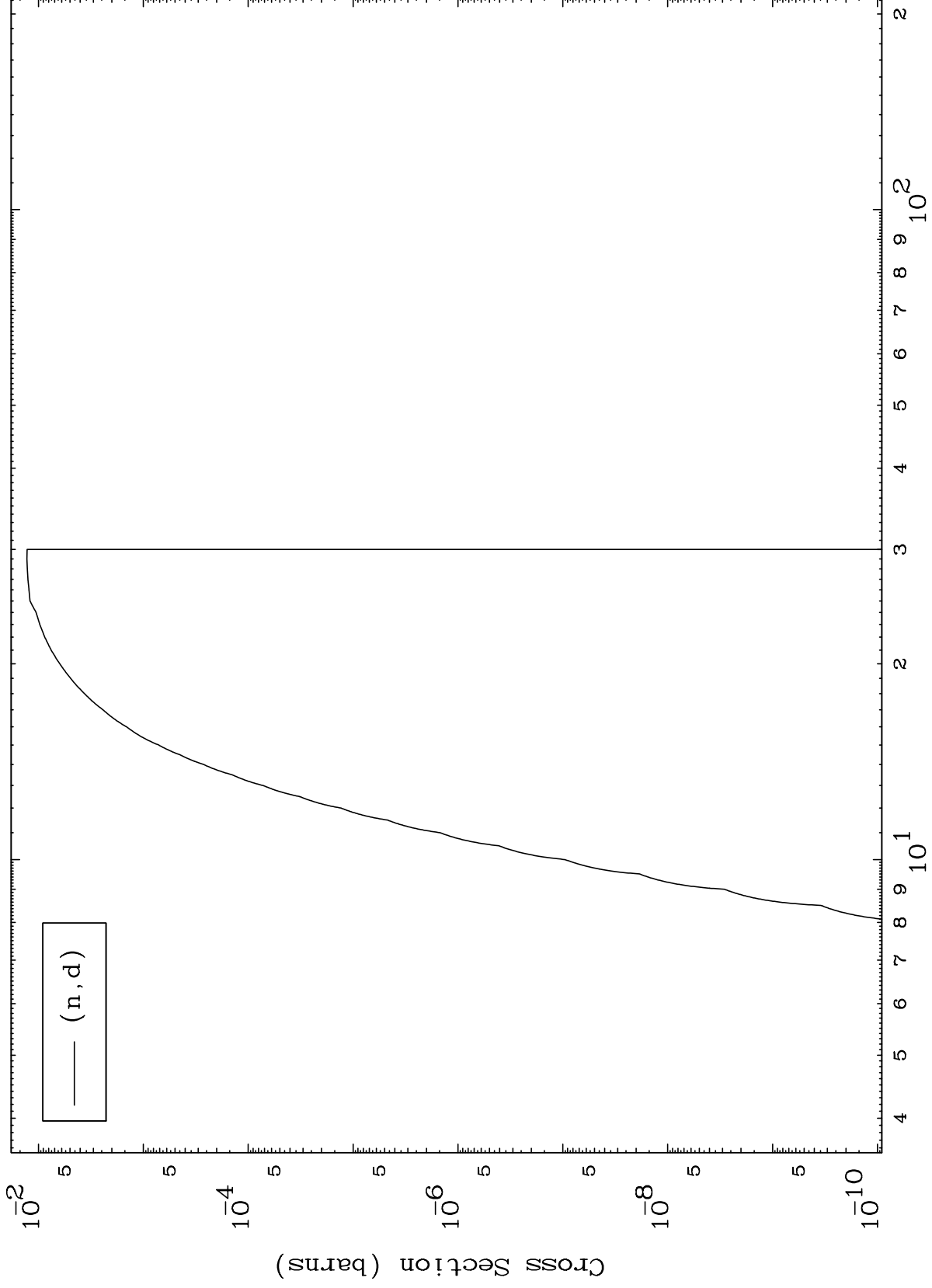
Incident Energy (MeV)

73-Ta-181

MAT 7328

(n,d) Levels
293 Kelvin Cross Sections

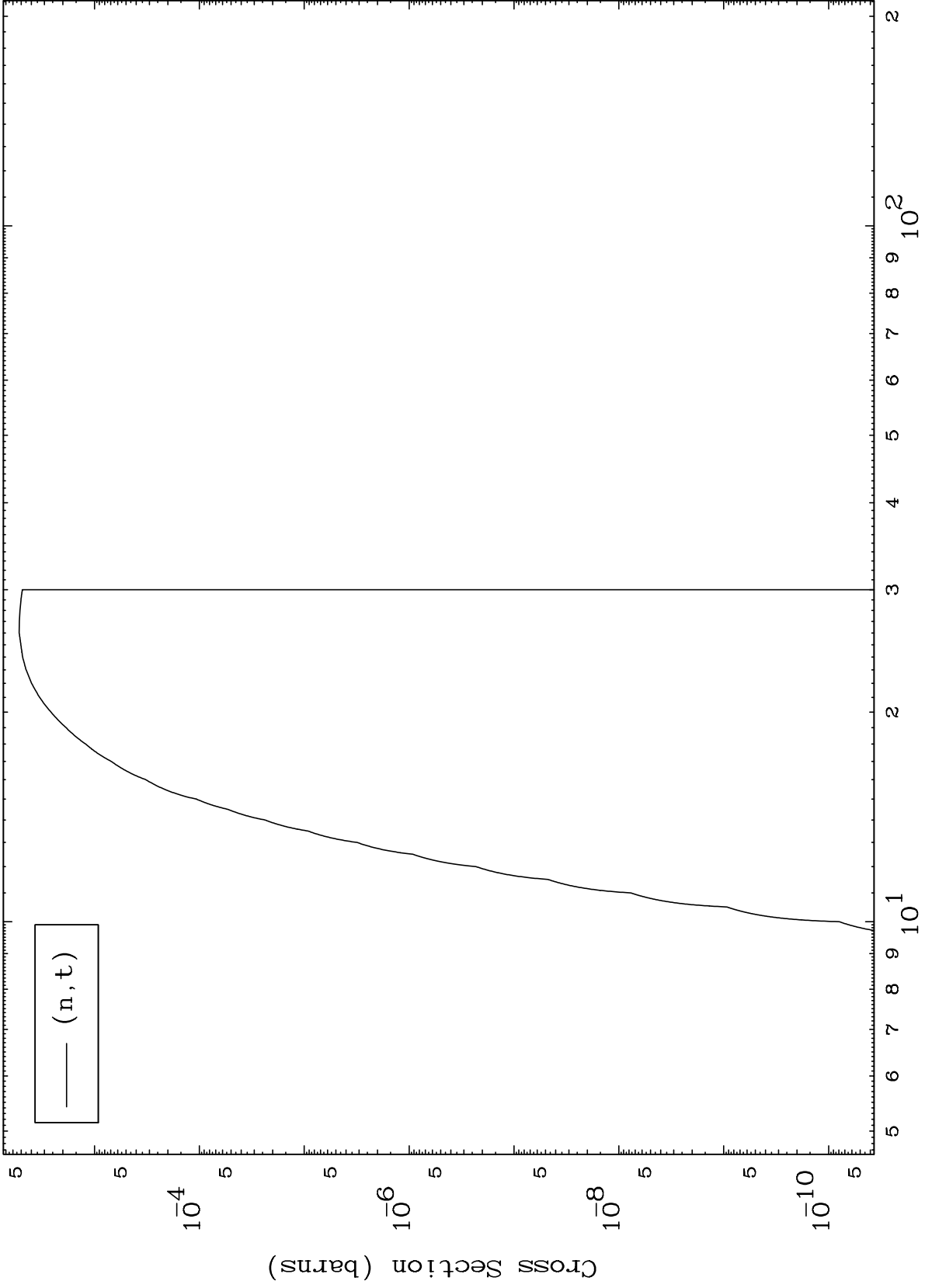
⁷³Ta-181



MAT 7328

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-181



12

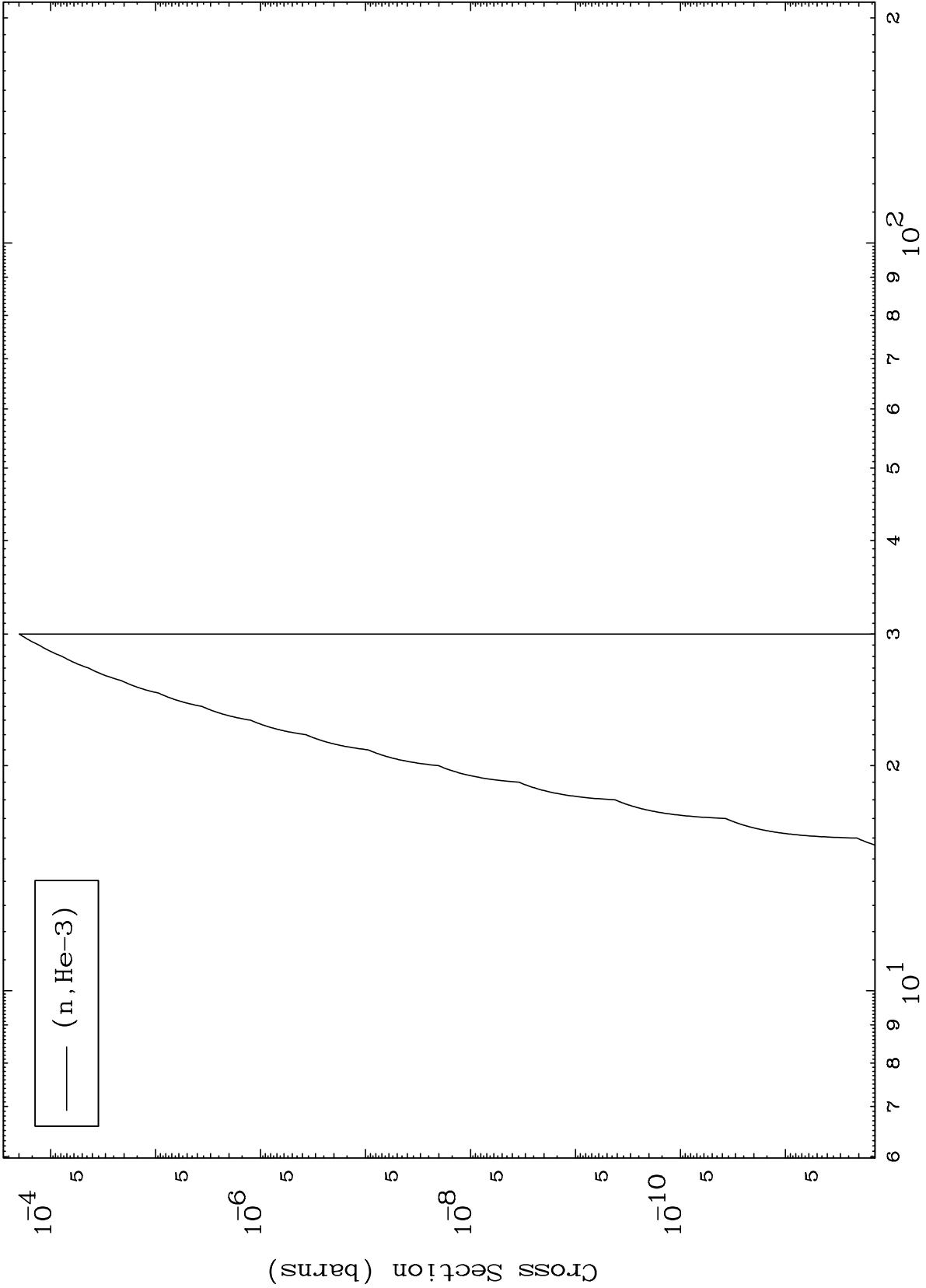
Incident Energy (MeV)

73-Ta-181

MAT 7328

73-Ta-181

(n,He3) Levels
293 Kelvin Cross Sections



13

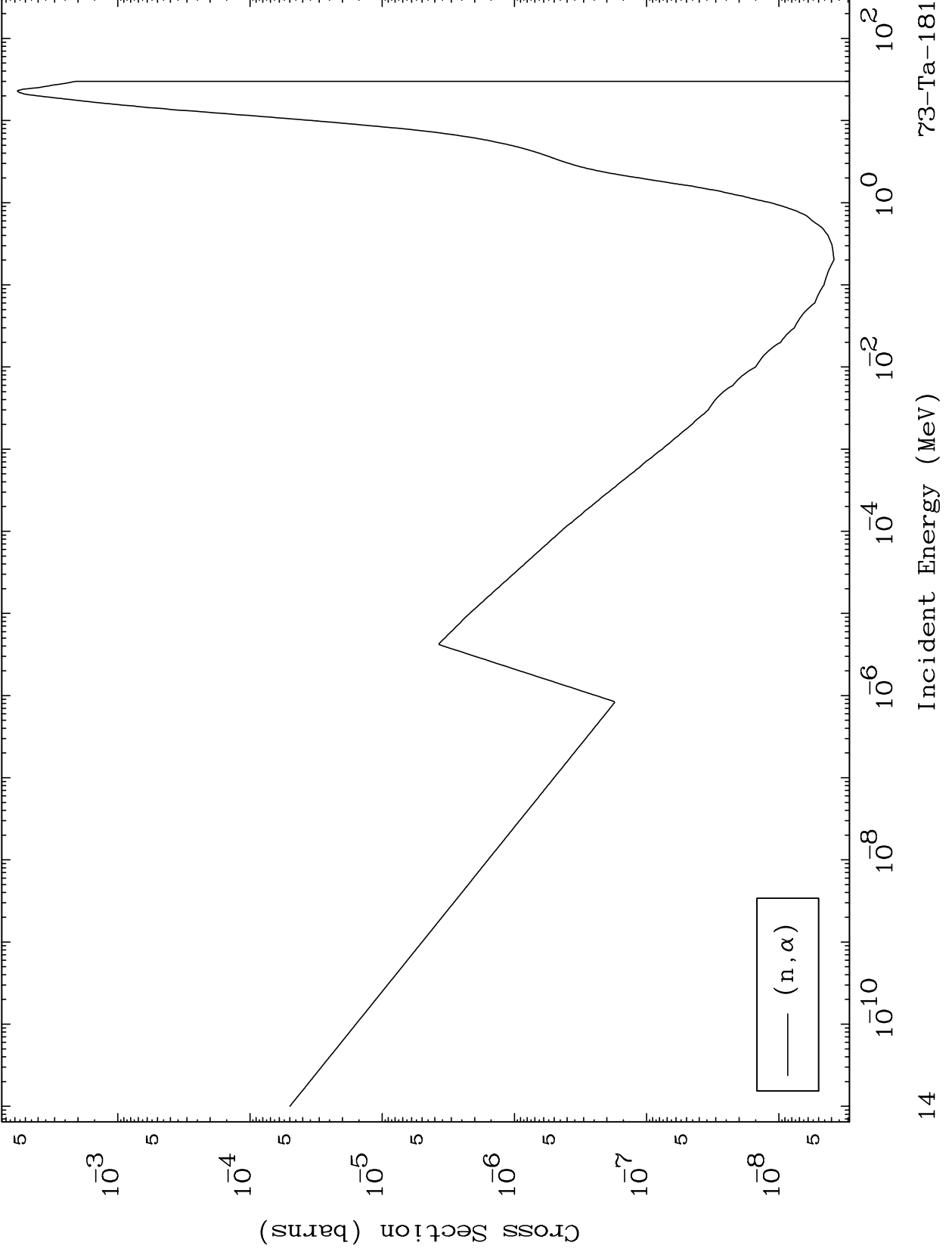
73-Ta-181

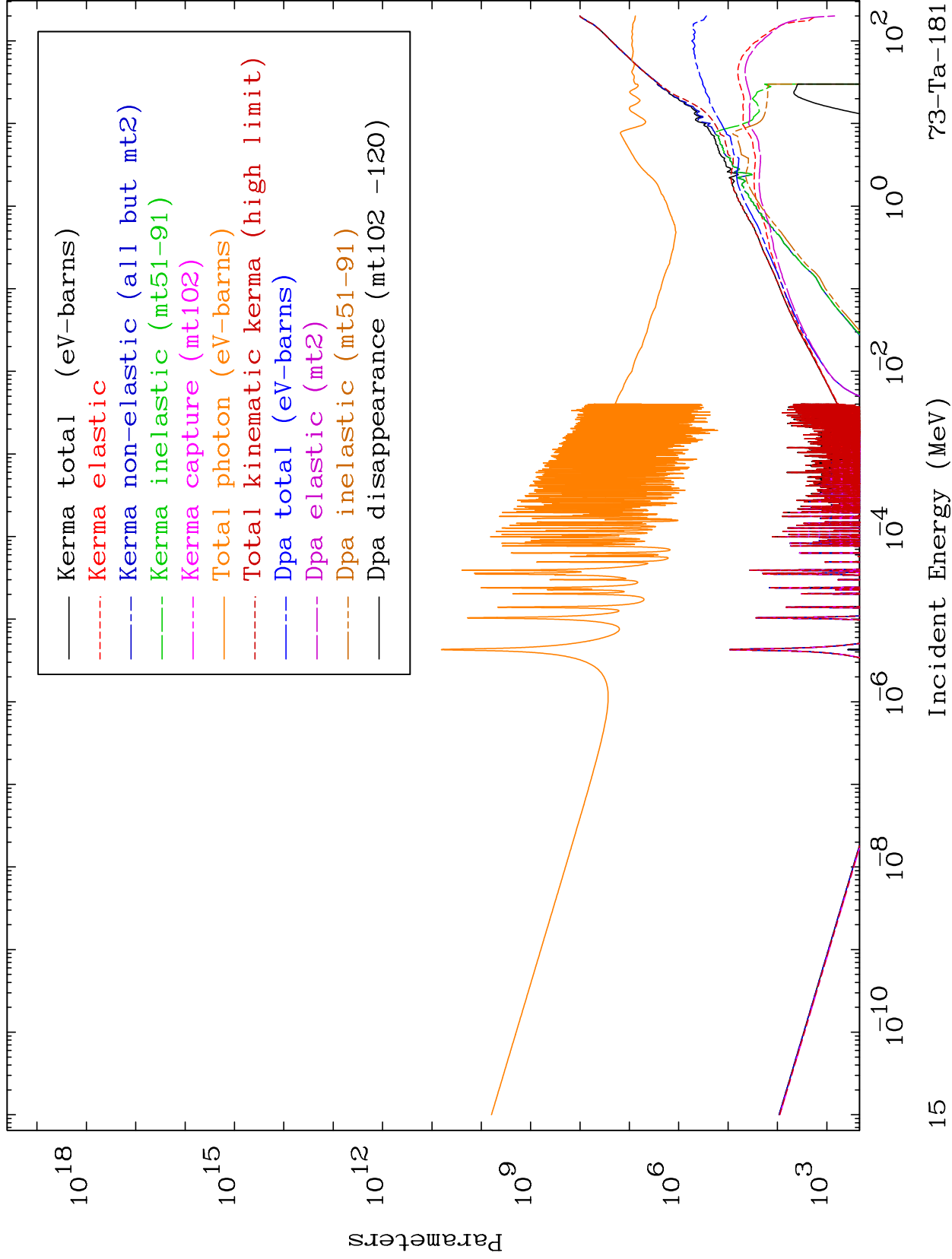
Incident Energy (MeV)

MAT 7328

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-181

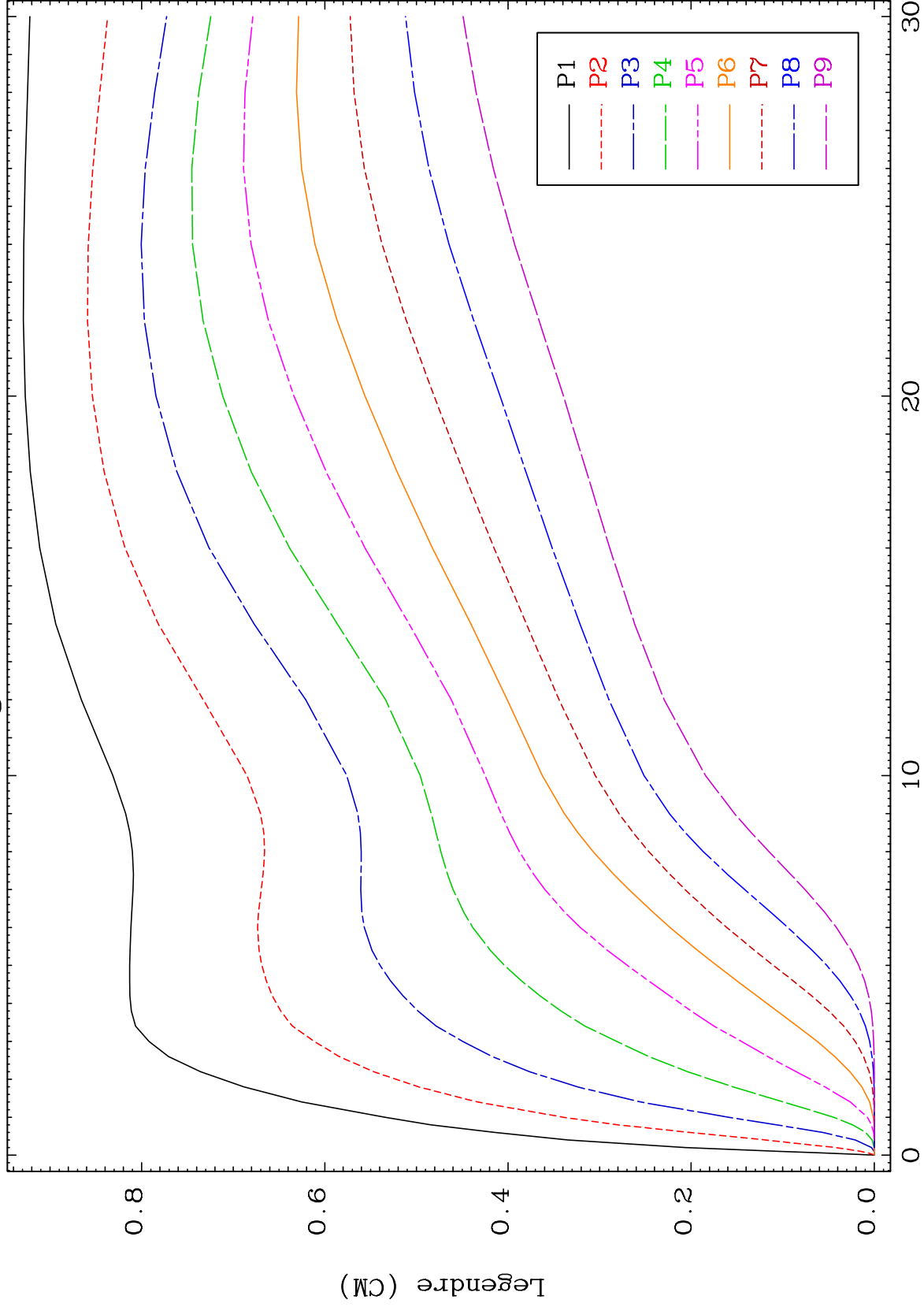




MAT 7328

Elastic Legendre Coefficients

⁷³Ta-181



16

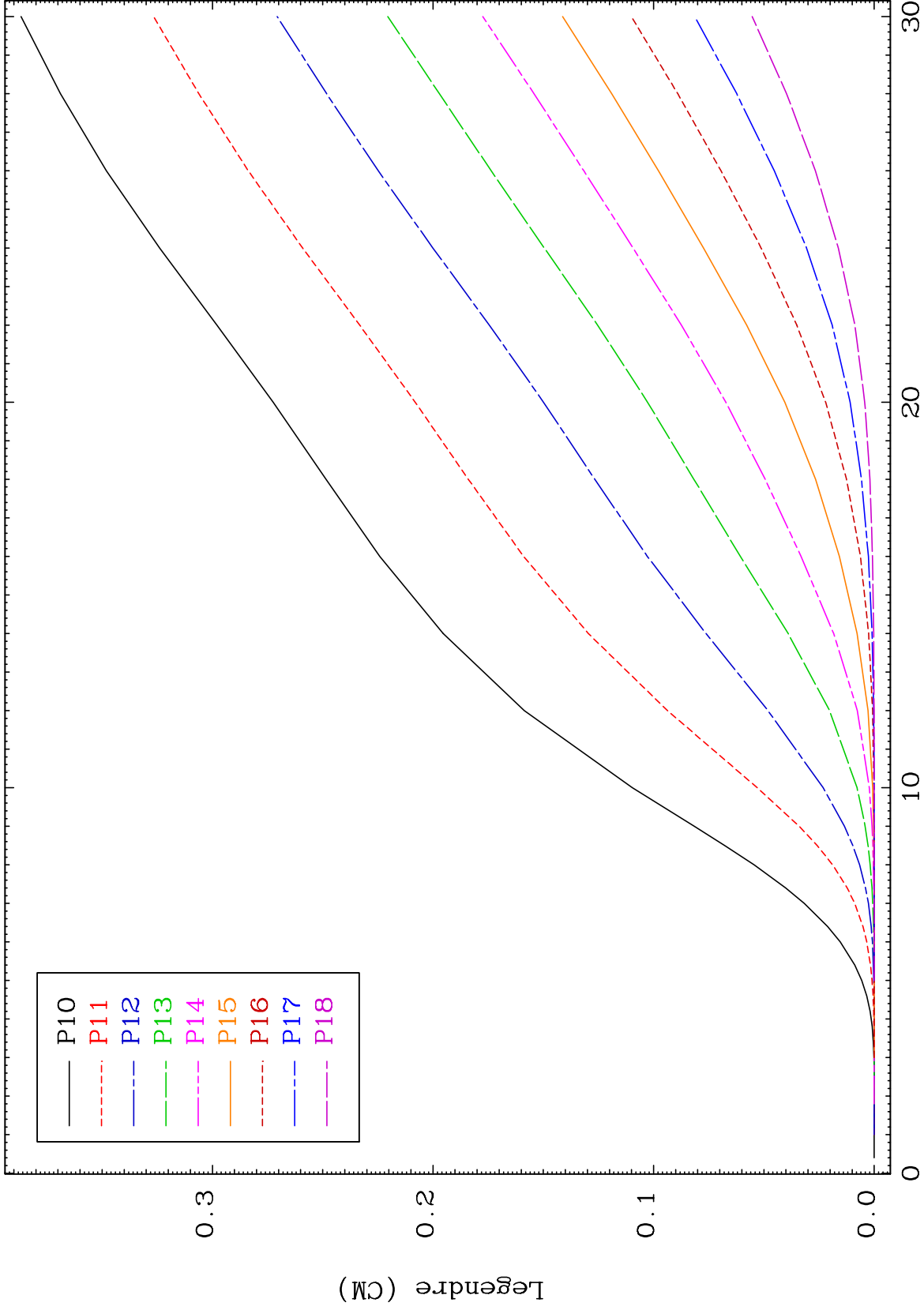
Incident Energy (MeV)

⁷³Ta-181

MAT 7328

Elastic Legendre Coefficients

⁷³Ta-181



17

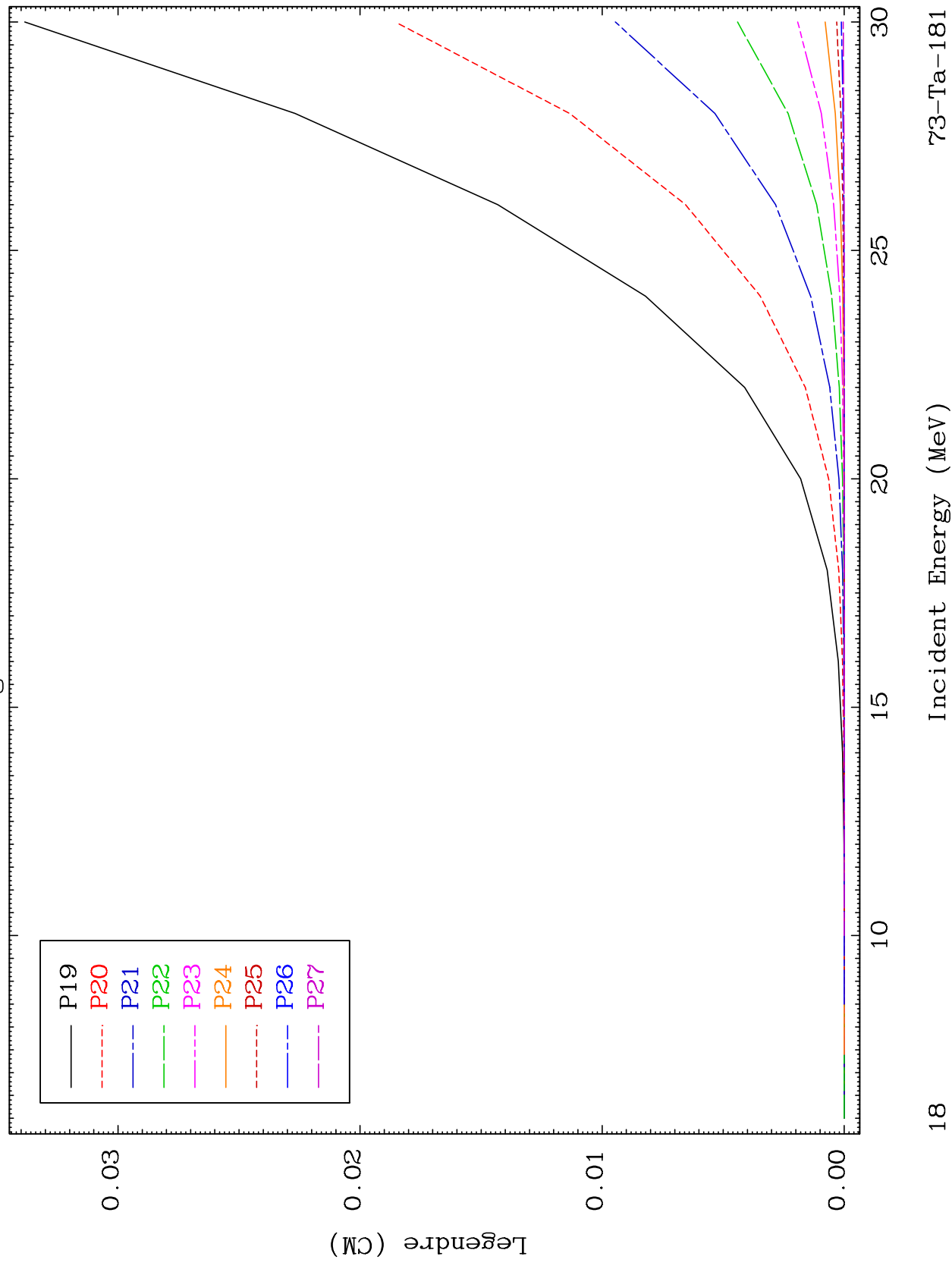
Incident Energy (MeV)

⁷³Ta-181

MAT 7328

Elastic Legendre Coefficients

73-Ta-181



18

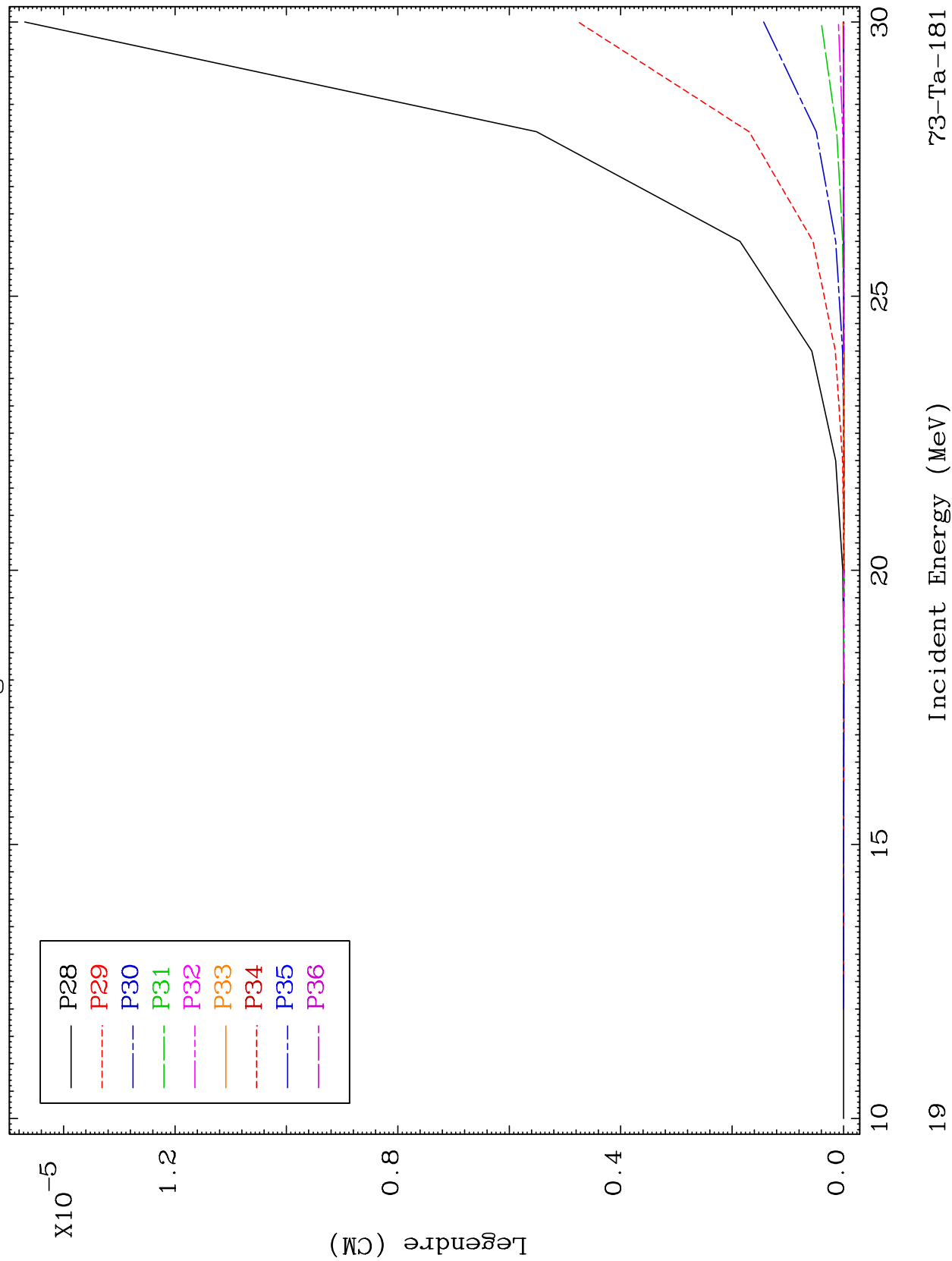
Incident Energy (MeV)

73-Ta-181

MAT 7328

Elastic Legendre Coefficients

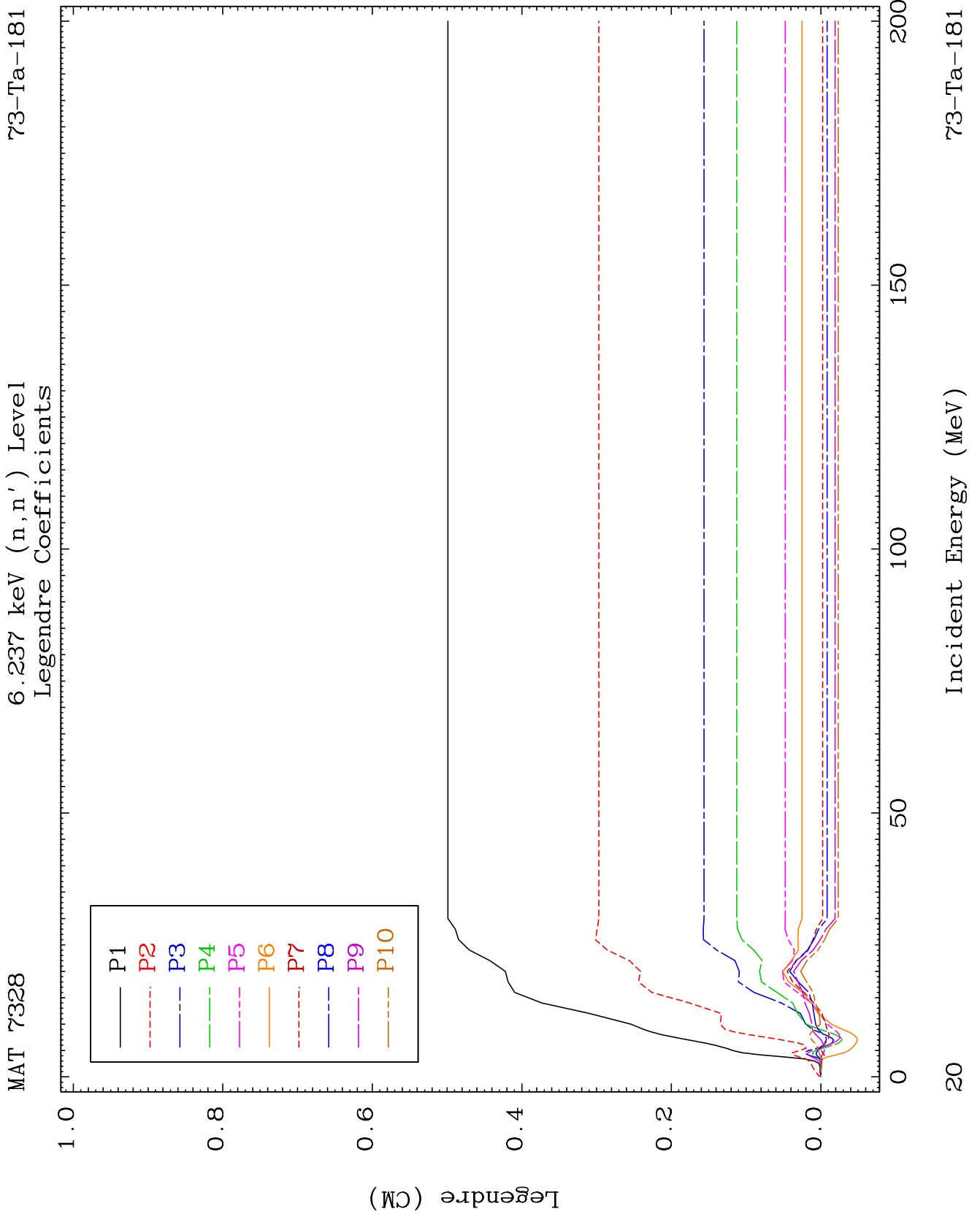
⁷³Ta-181



19

Incident Energy (MeV)

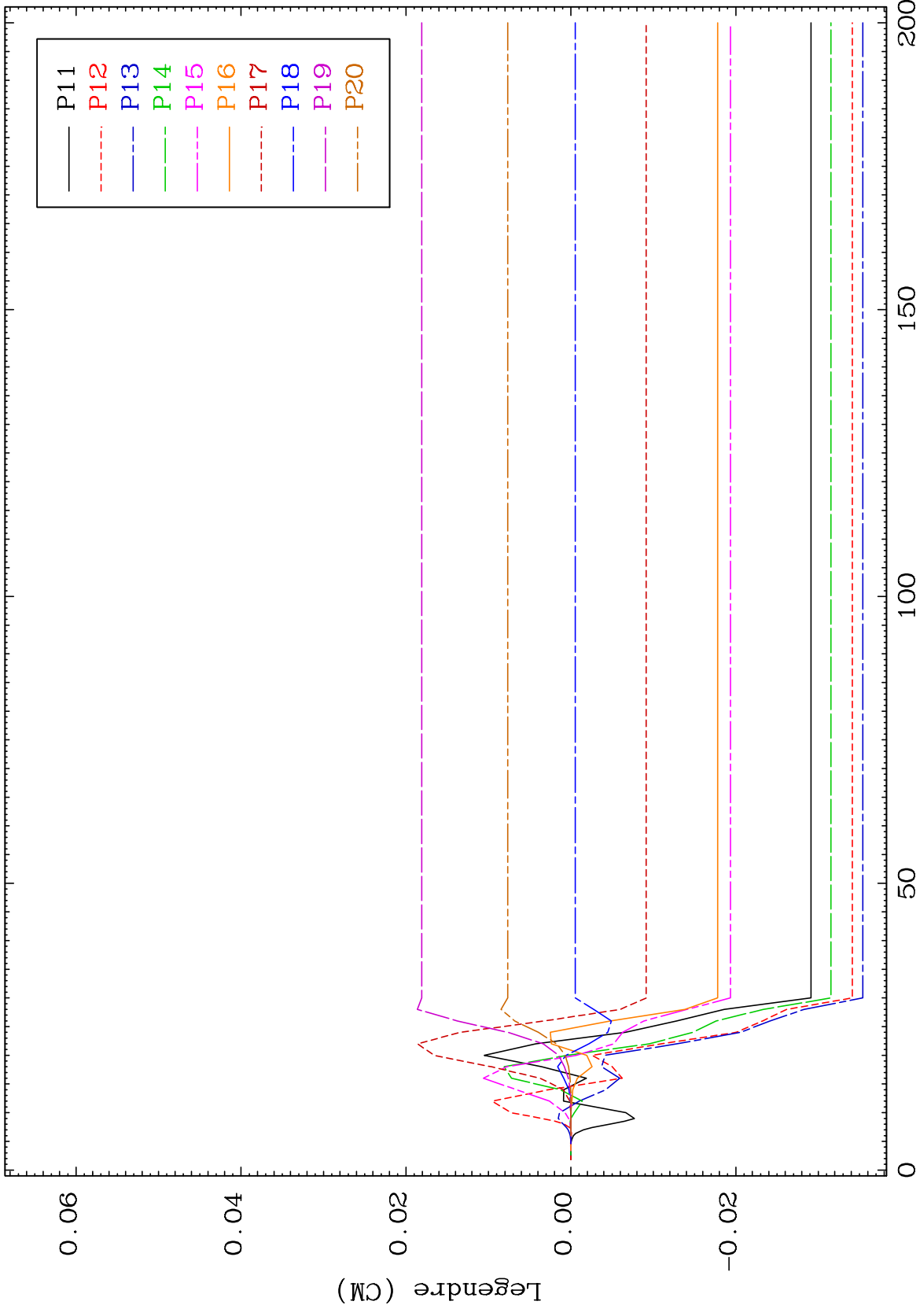
⁷³Ta-181



MAT 7328

6.237 keV (n,n') Level
Legendre Coefficients

73-Ta-181



21

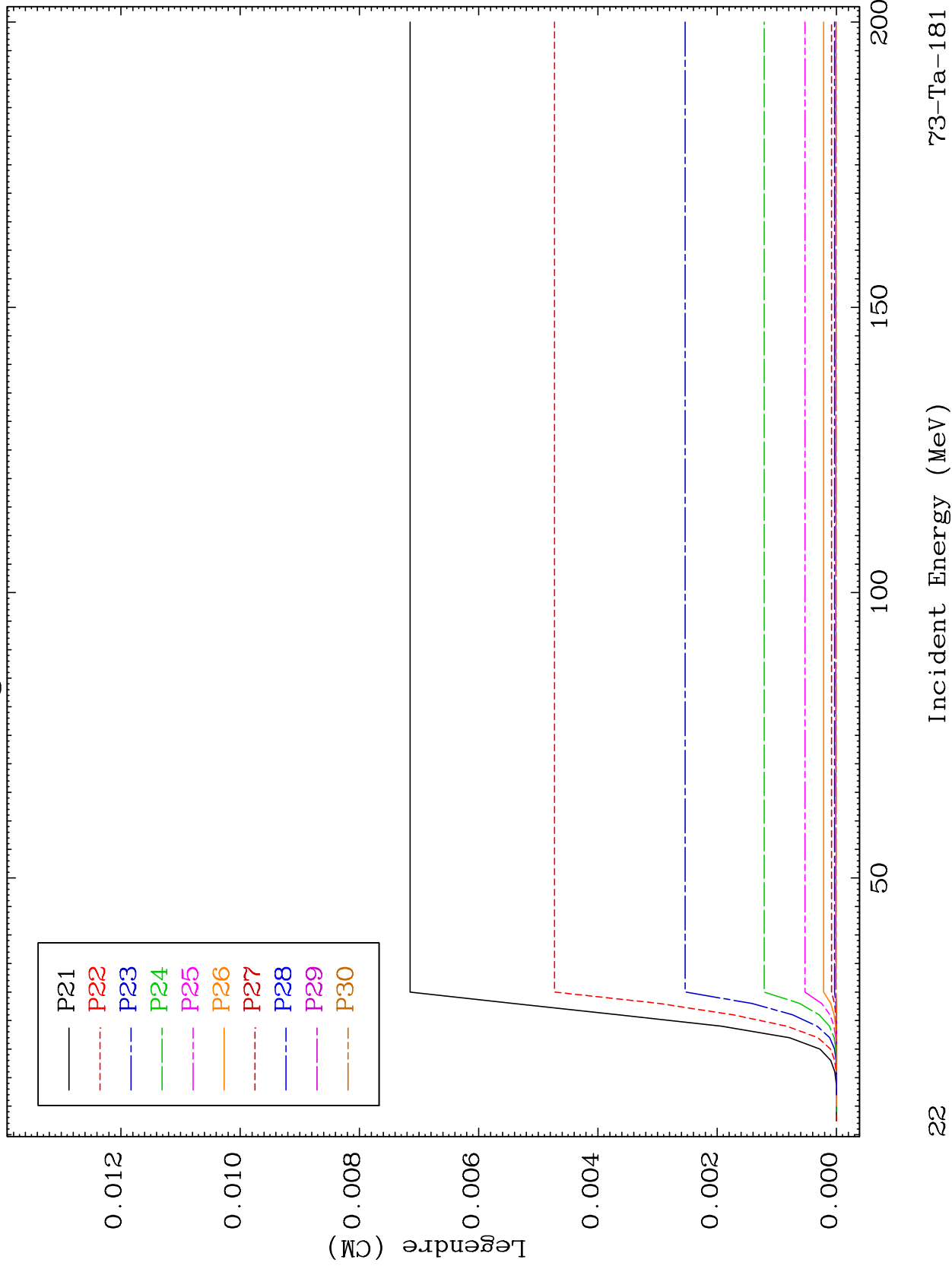
Incident Energy (MeV)

73-Ta-181

MAT 7328

6.237 keV (n,n') Level
Legendre Coefficients

73-Ta-181

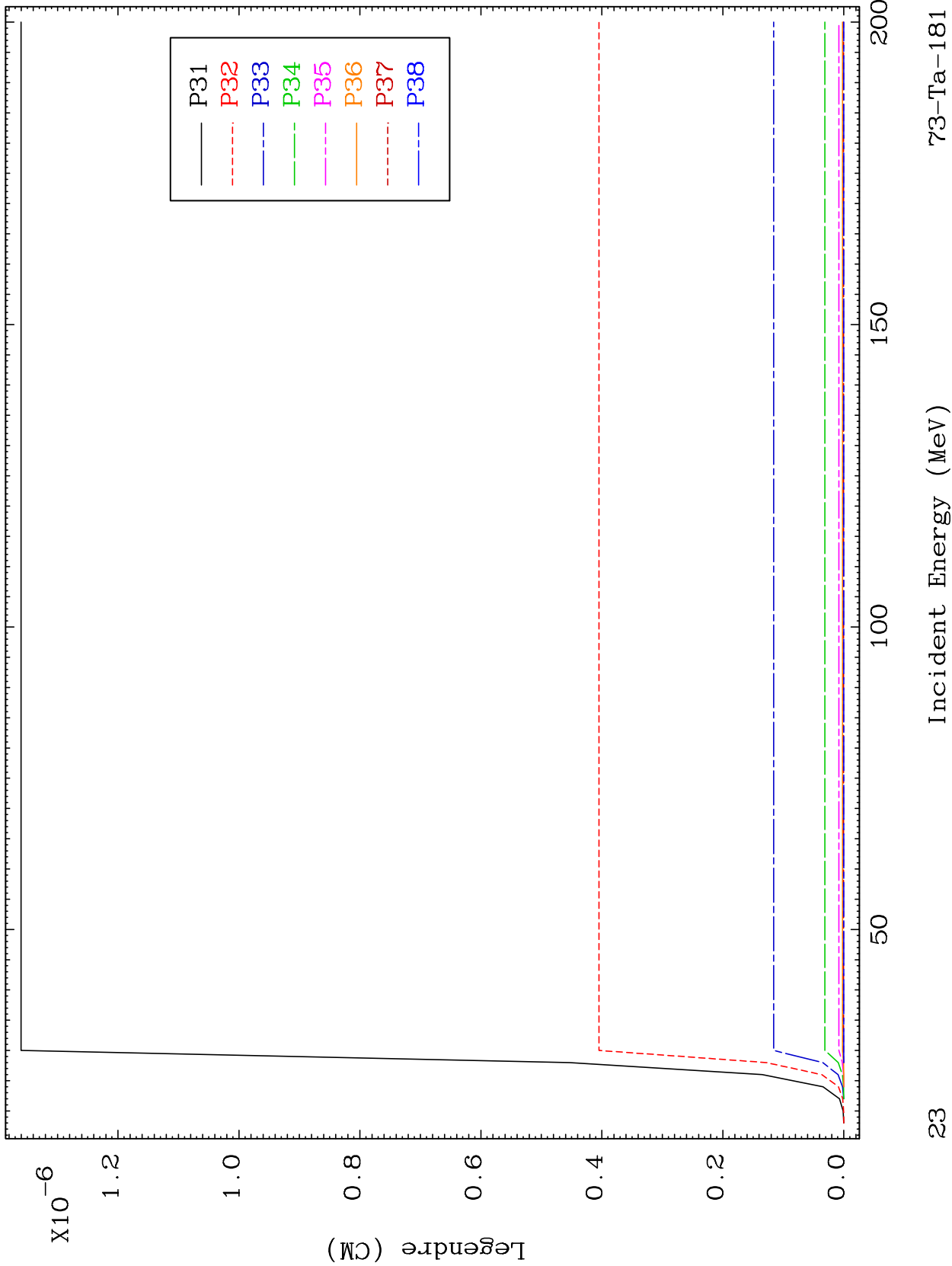


22

MAT 7328

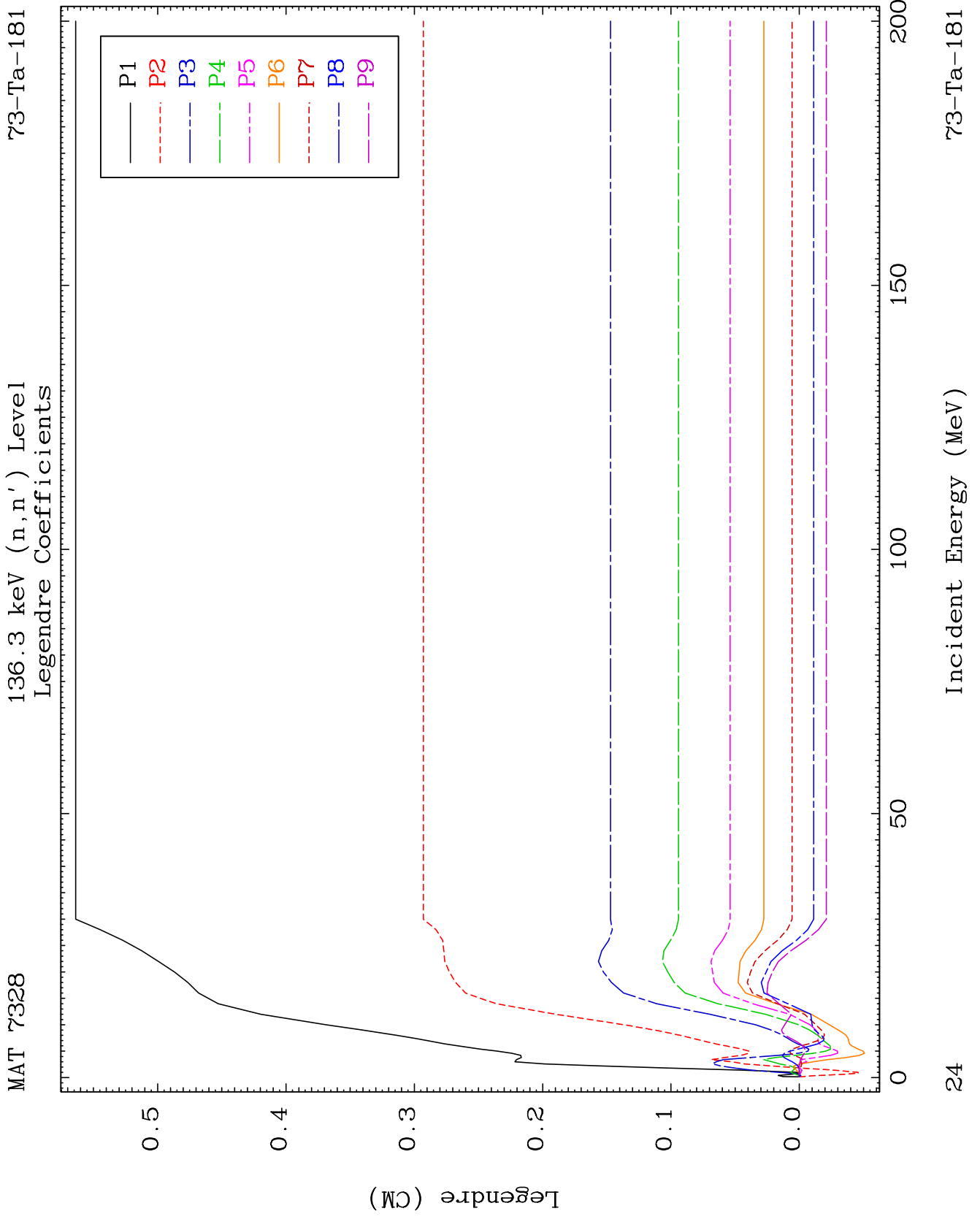
6.237 keV (n,n') Level
Legendre Coefficients

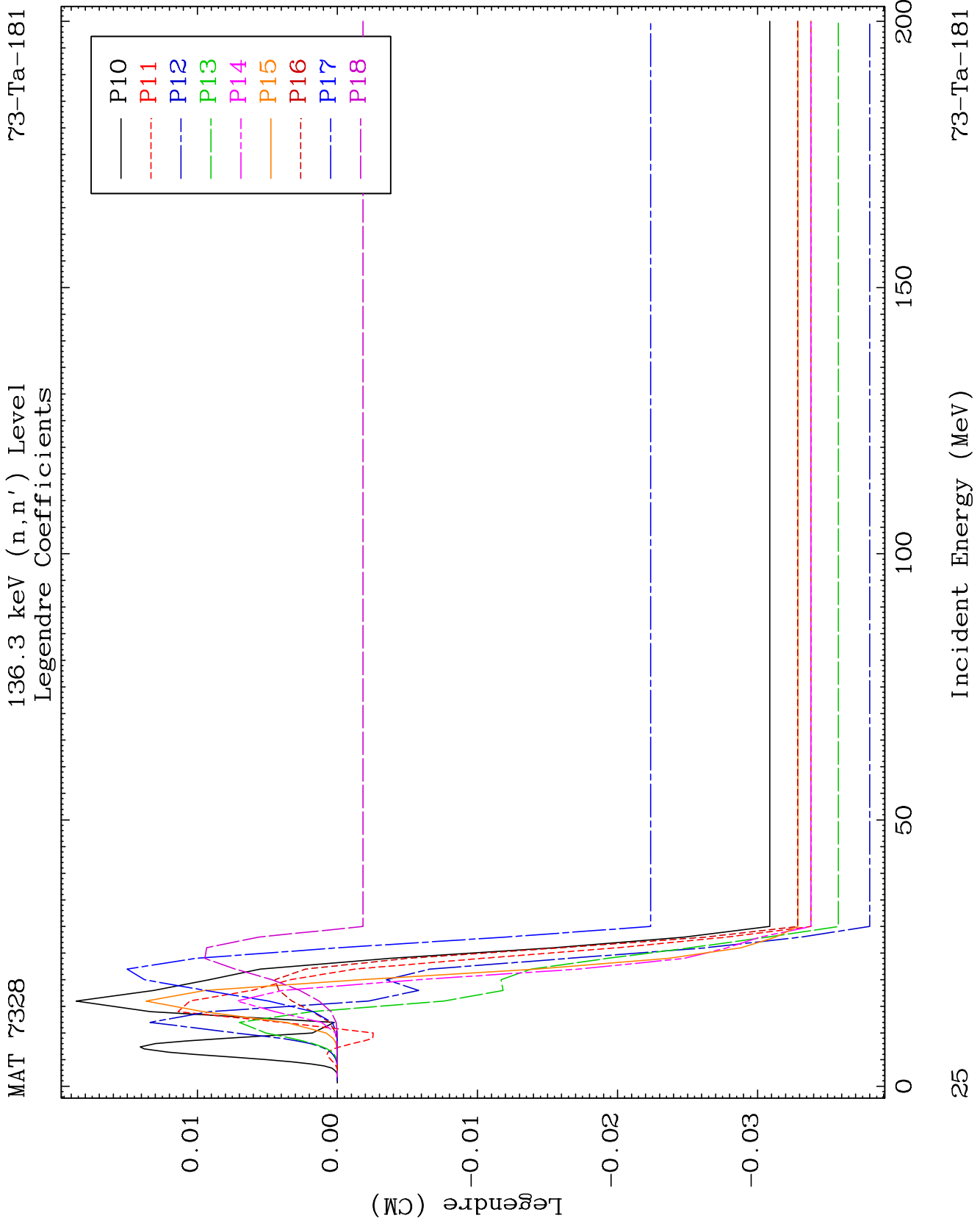
73-Ta-181

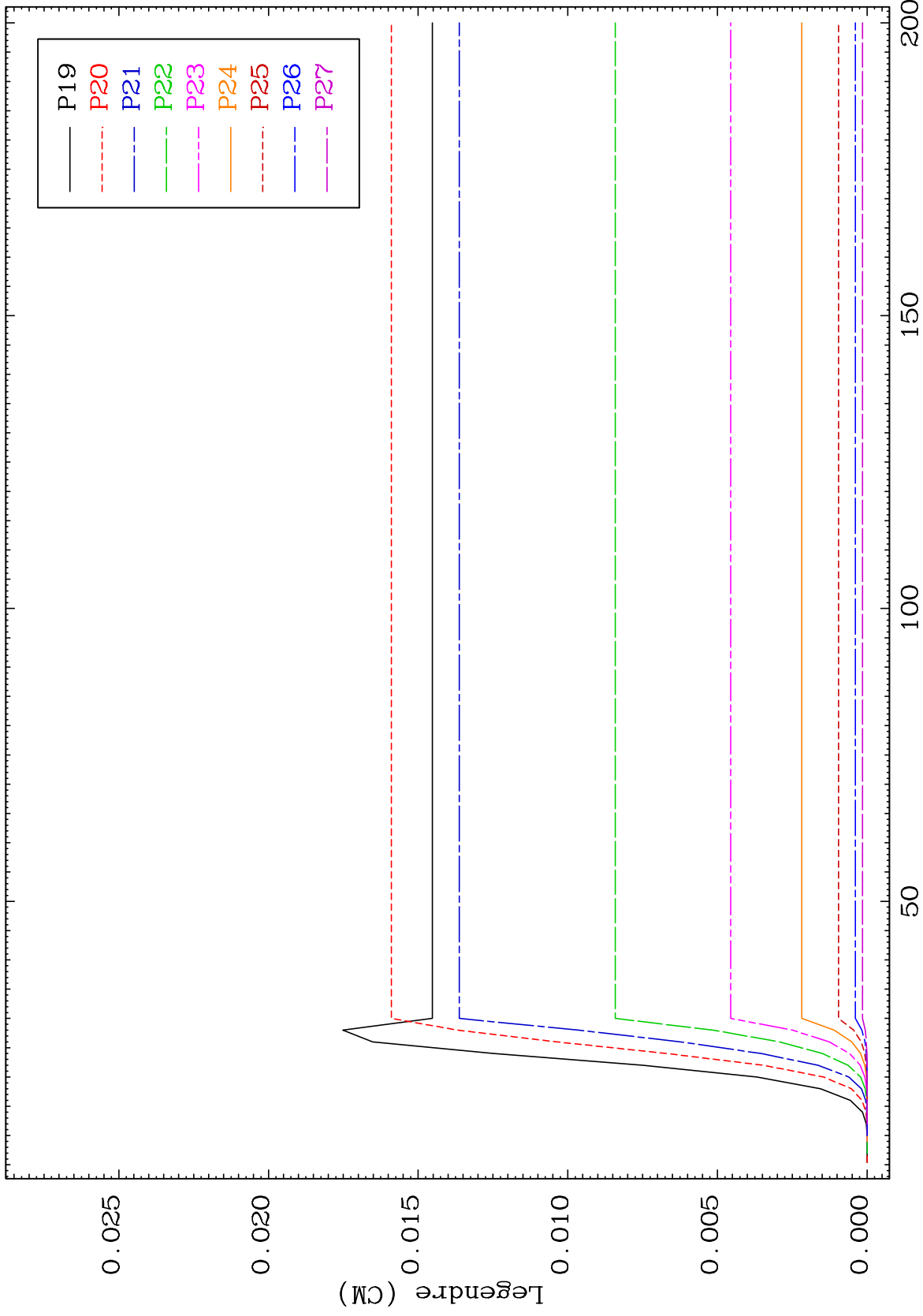


23

73-Ta-181



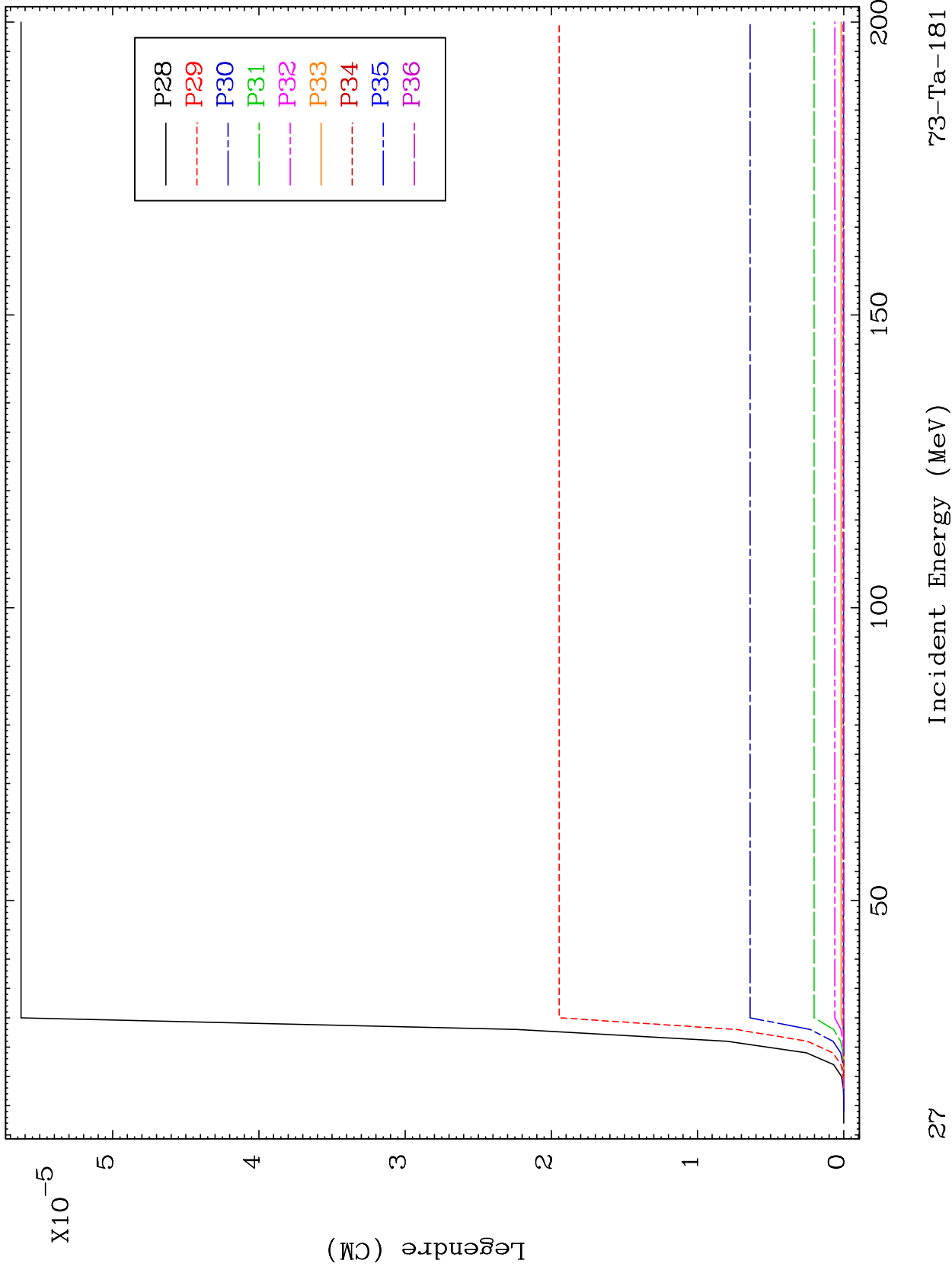




MAT 7328

136.3 keV (n, n') Level
Legendre Coefficients

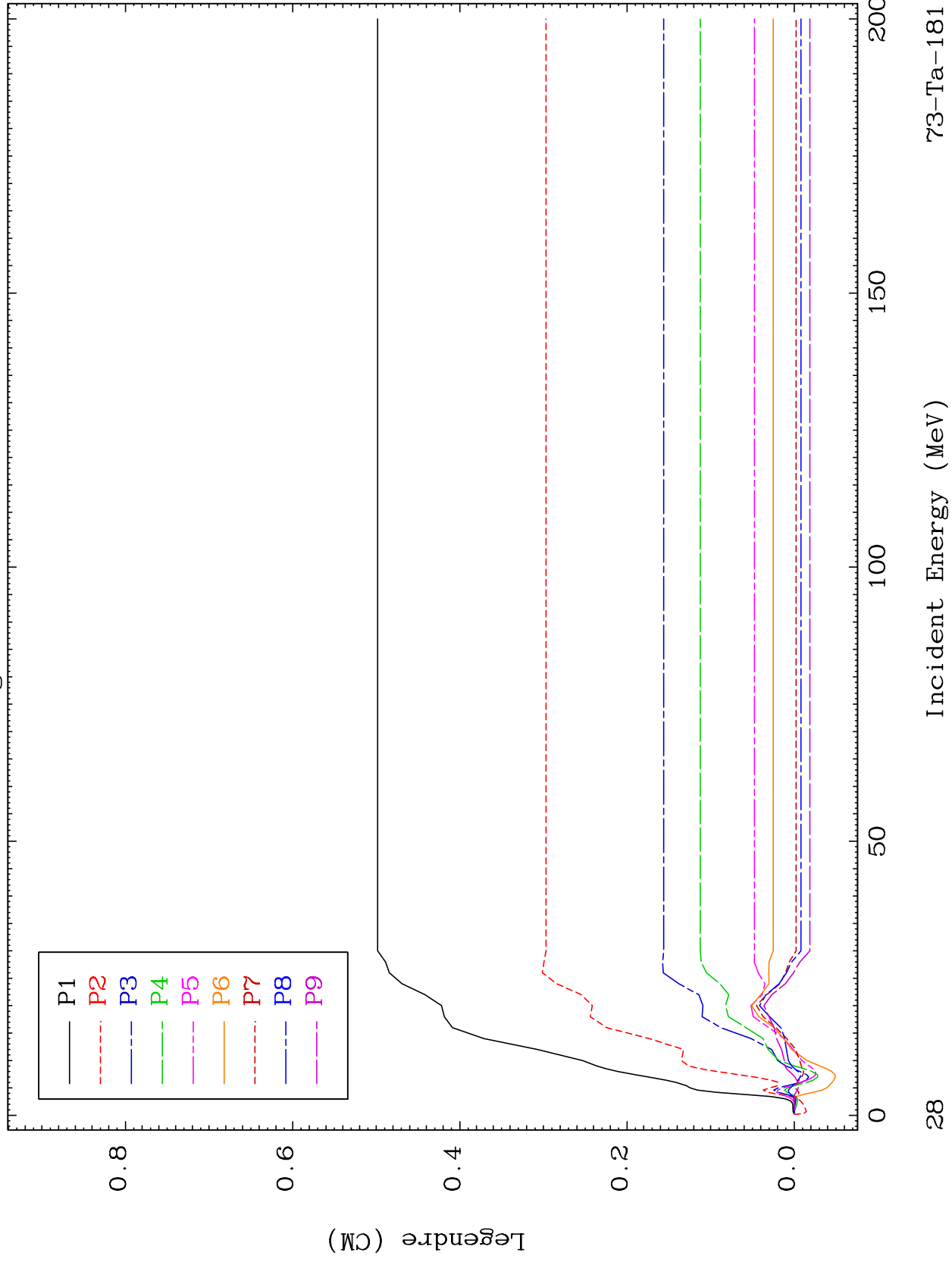
73-Ta-181



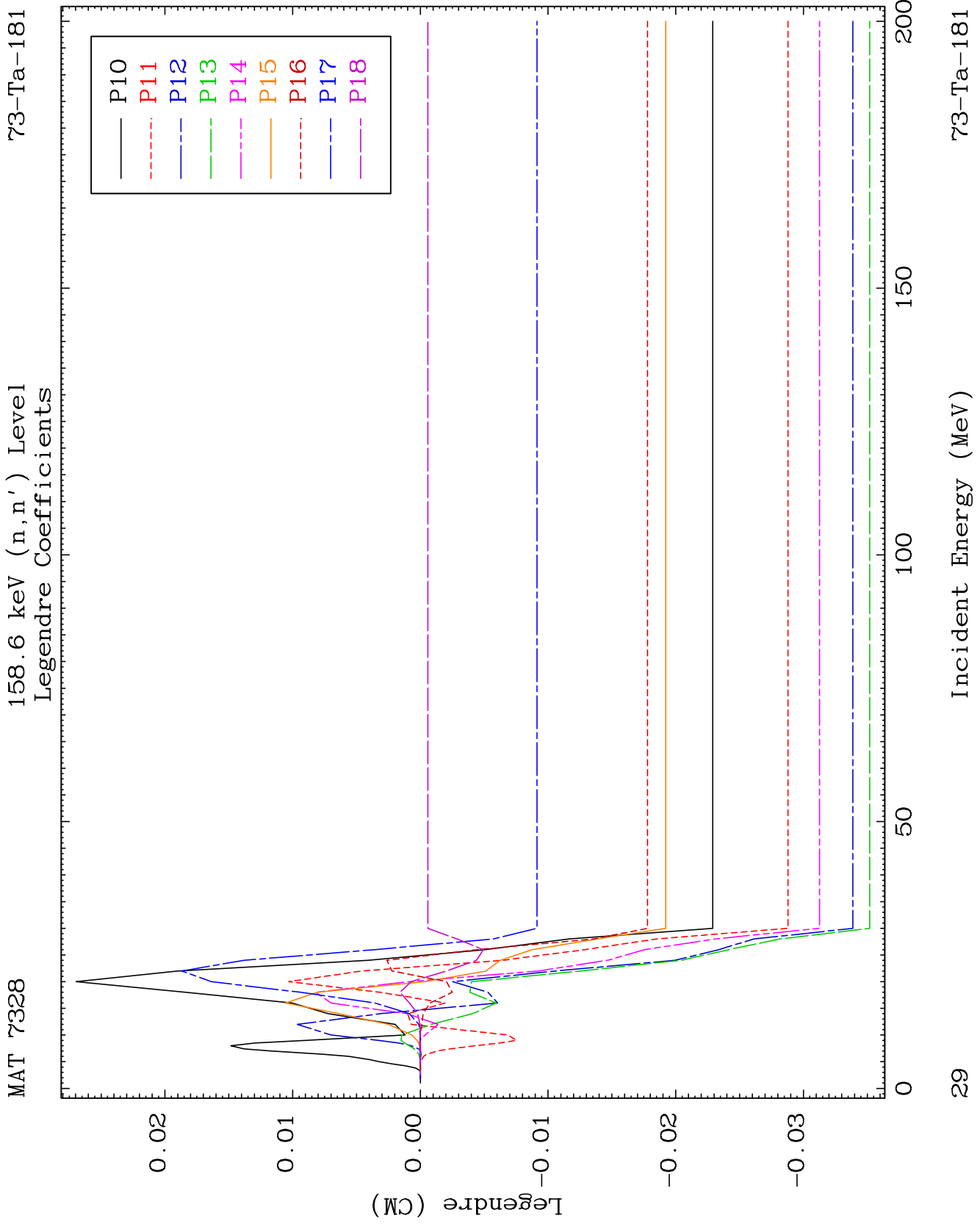
MAT 7328

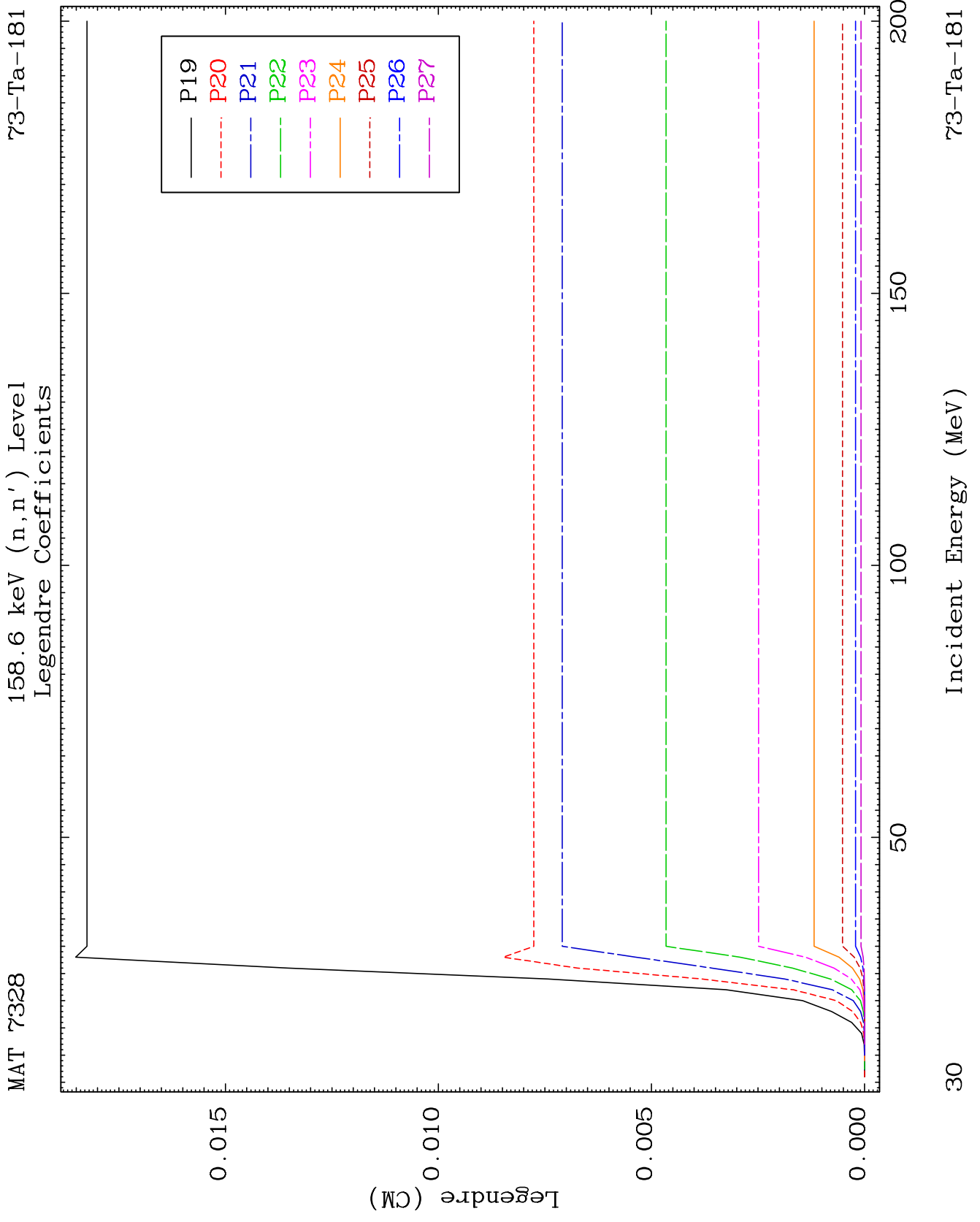
158.6 keV (n,n') Level
Legendre Coefficients

73-Ta-181



28

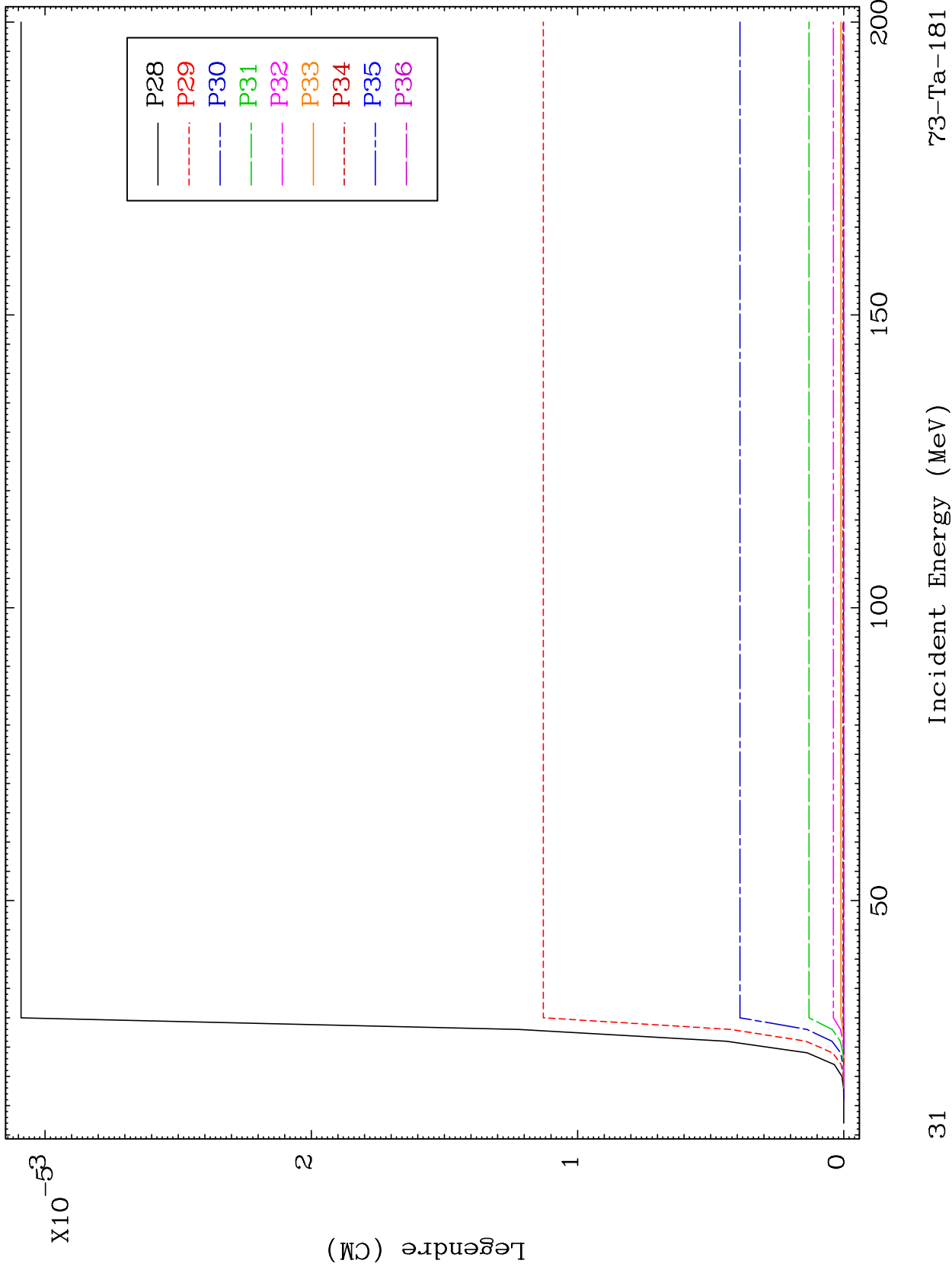




MAT 7328

158.6 keV (n,n') Level
Legendre Coefficients

73-Ta-181



31

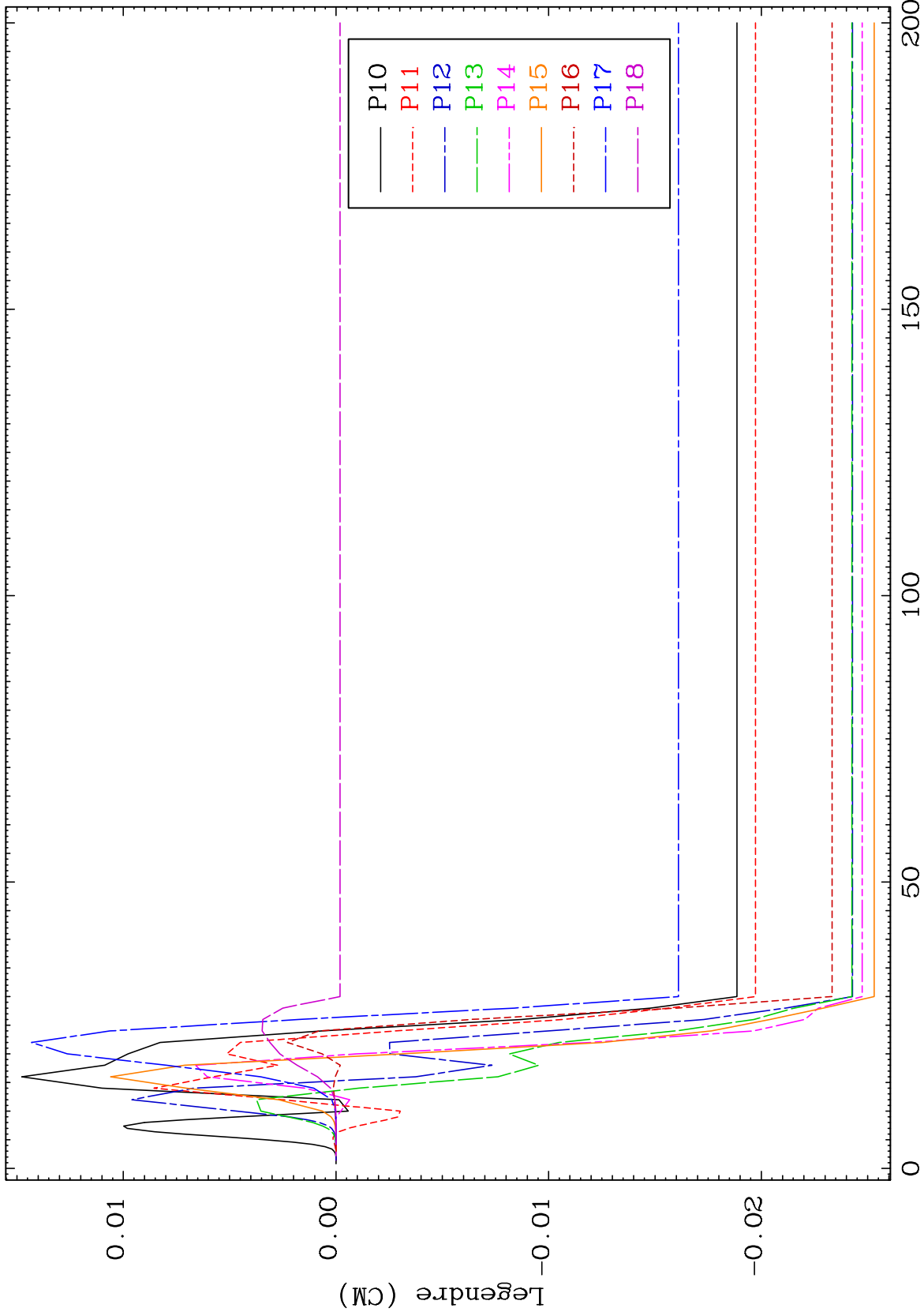
Incident Energy (MeV)

73-Ta-181

MAT 7328

301.6 keV (n,n') Level
Legendre Coefficients

73-Ta-181



33

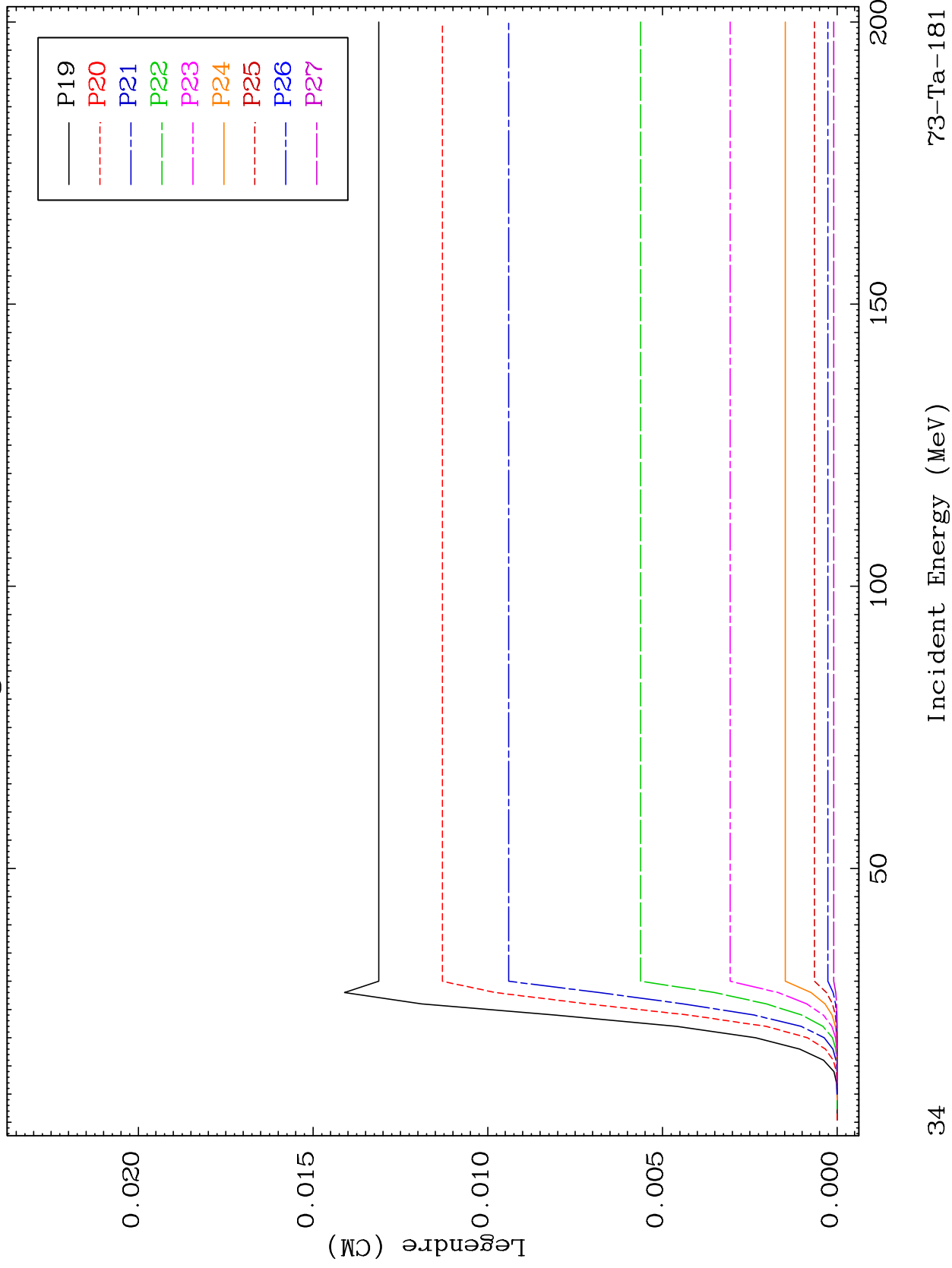
Incident Energy (MeV)

73-Ta-181

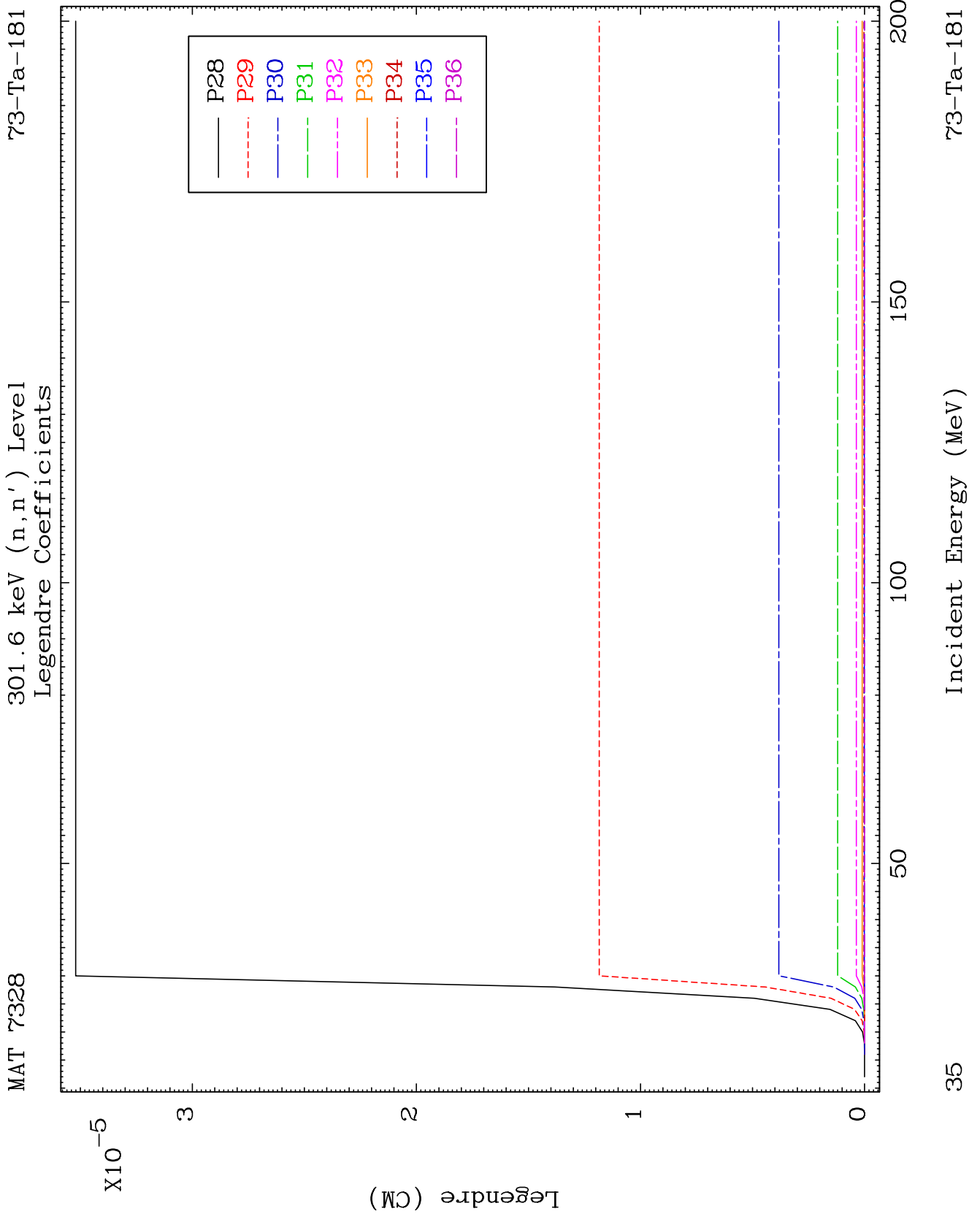
MAT 7328

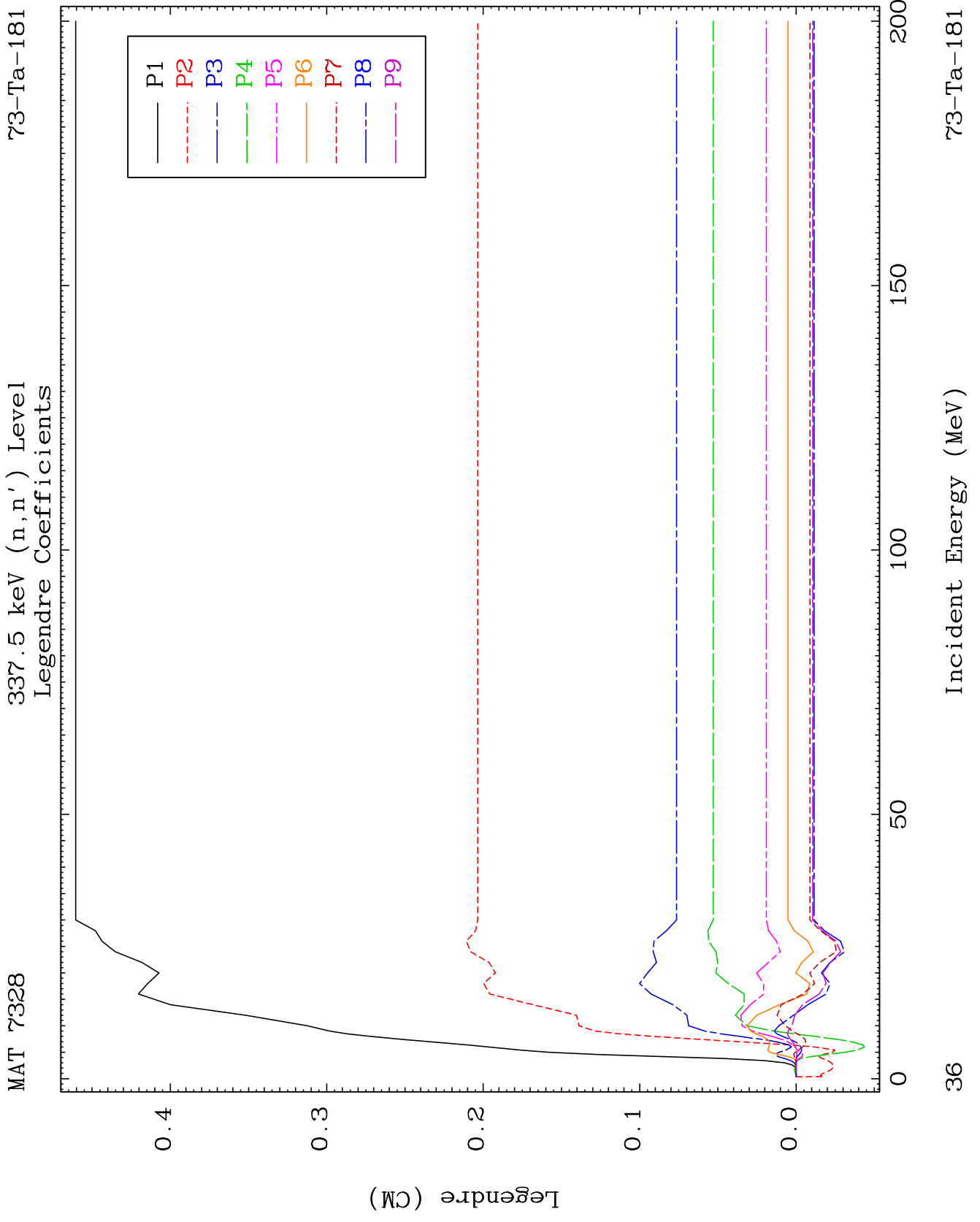
301.6 keV (n,n') Level
Legendre Coefficients

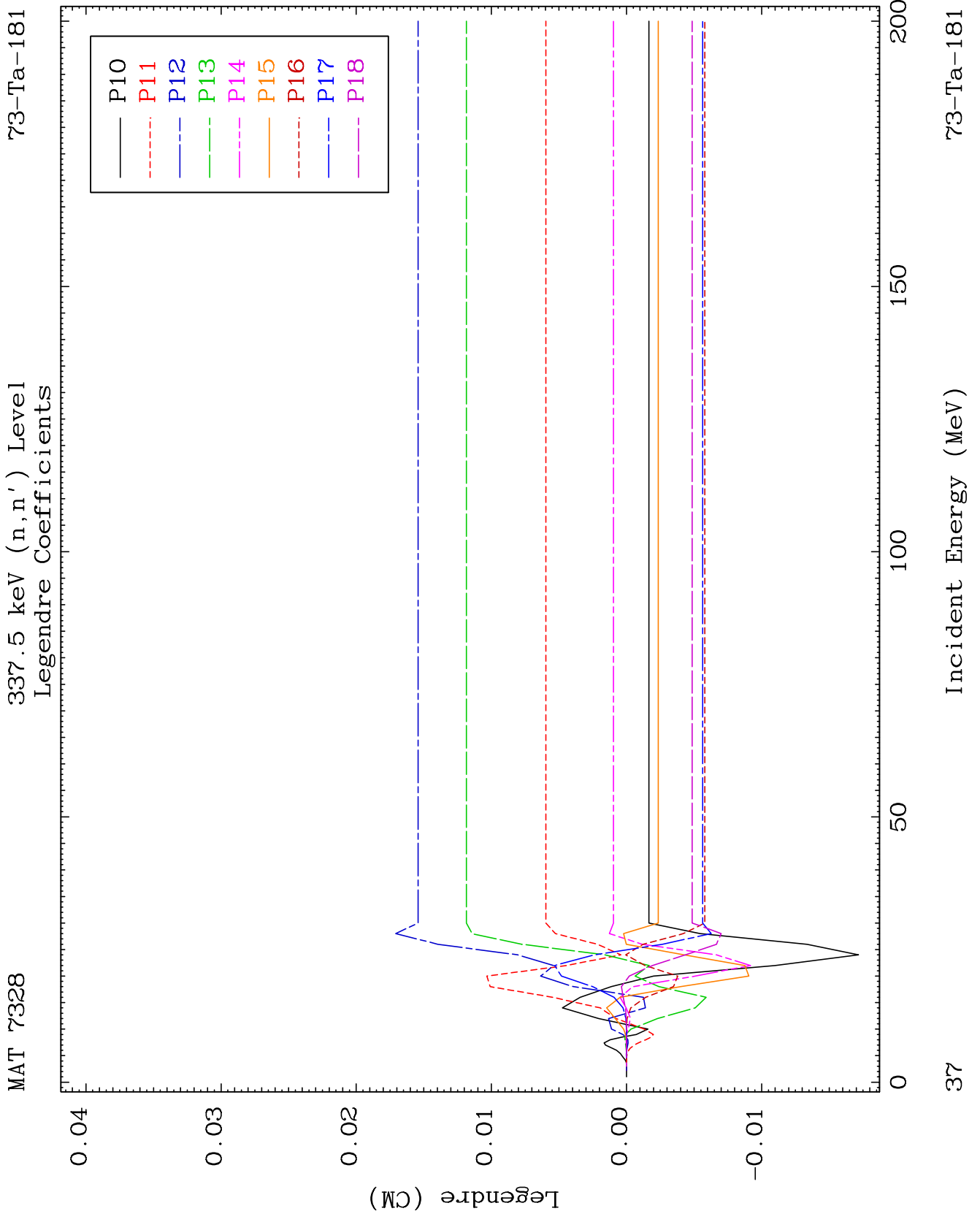
73-Ta-181



34



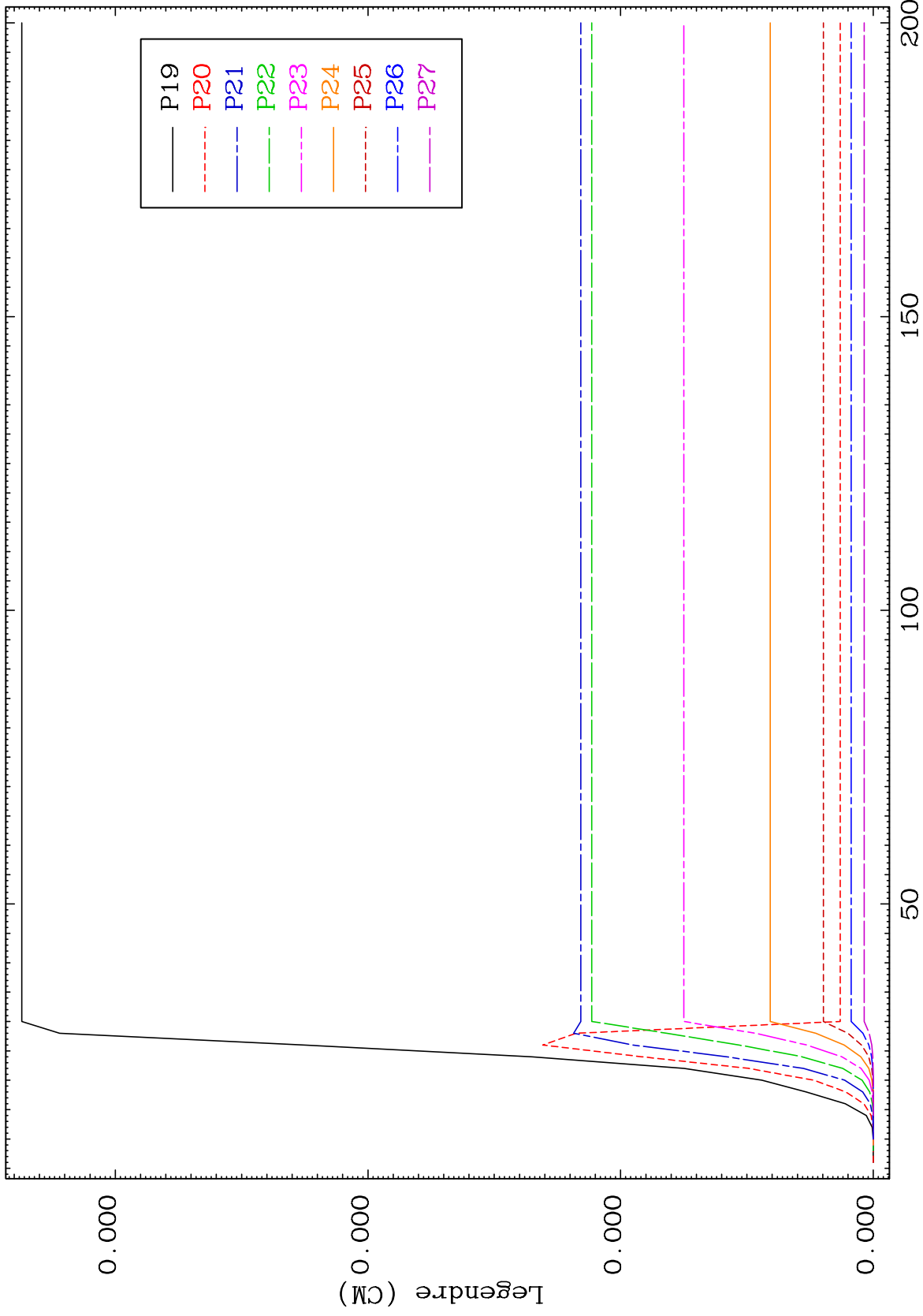




MAT 7328

337.5 keV (n,n') Level
Legendre Coefficients

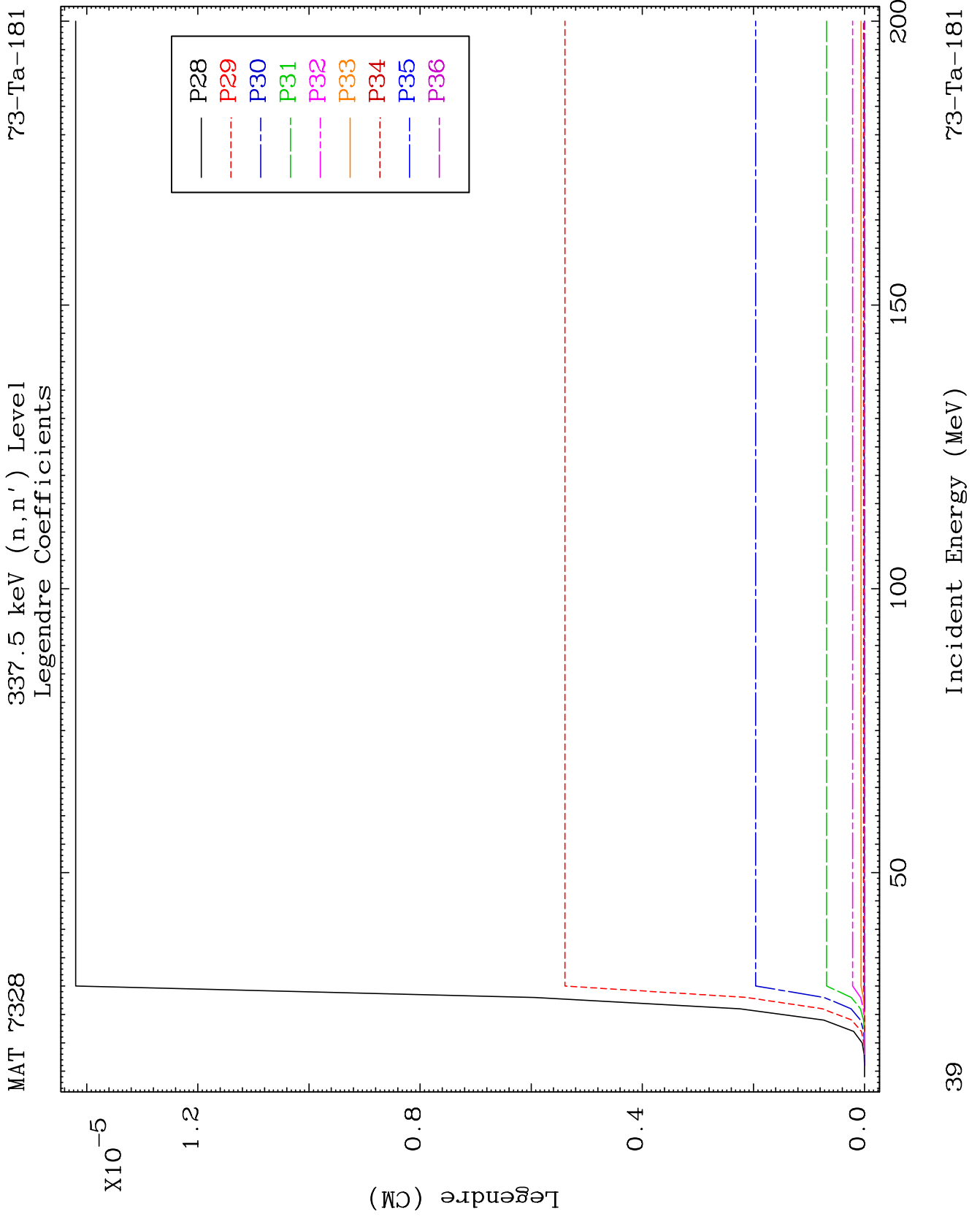
73-Ta-181

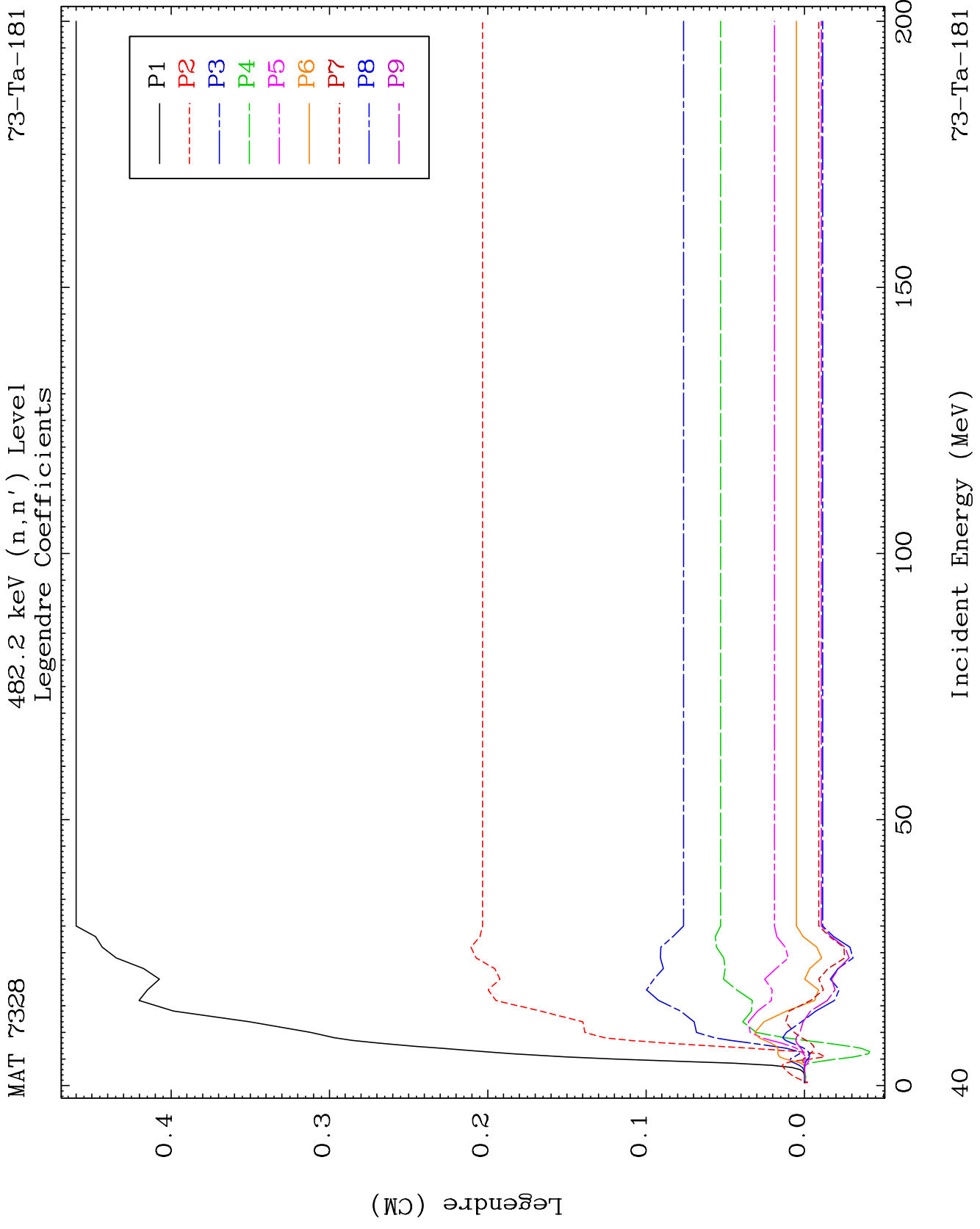


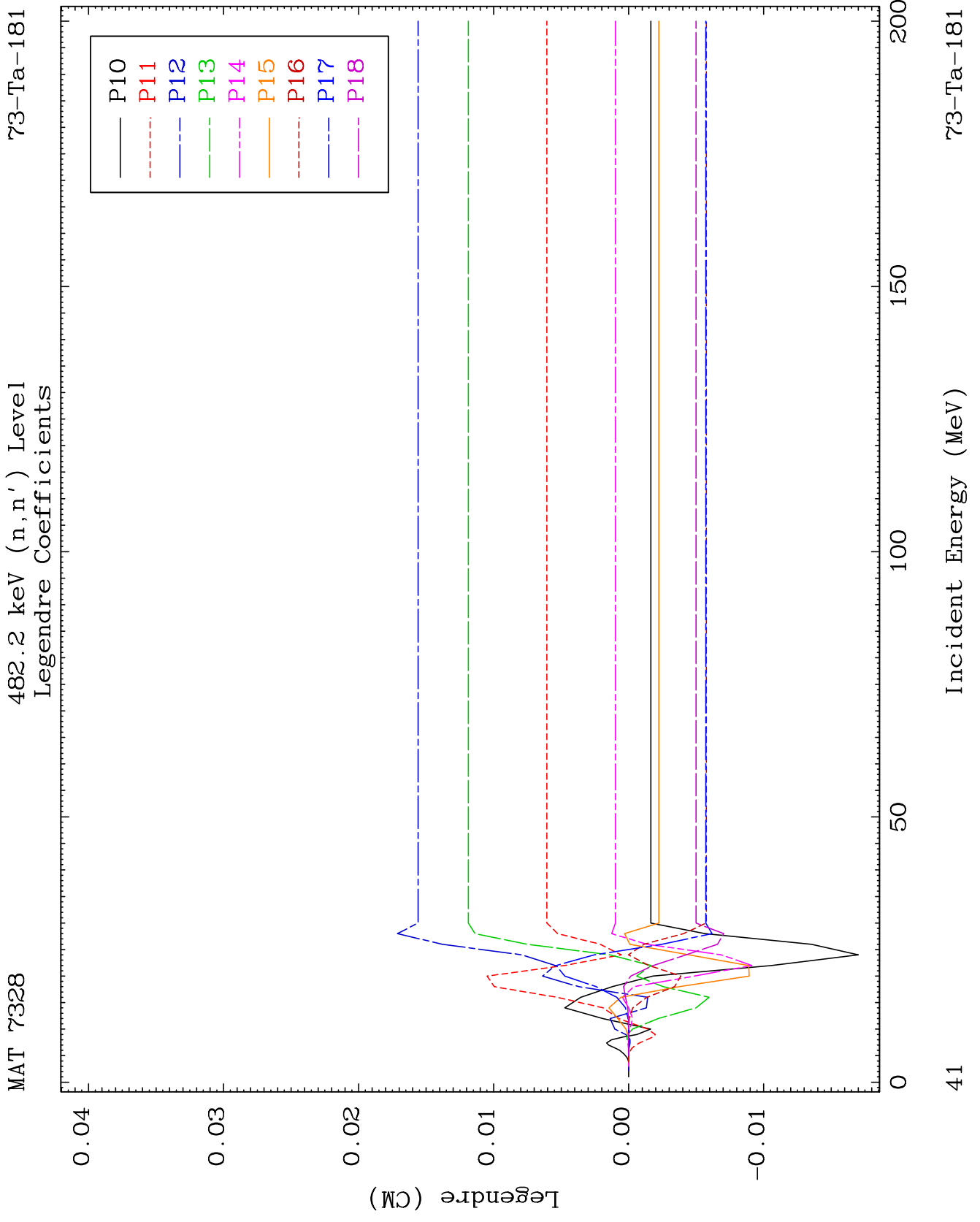
38

Incident Energy (MeV)

73-Ta-181



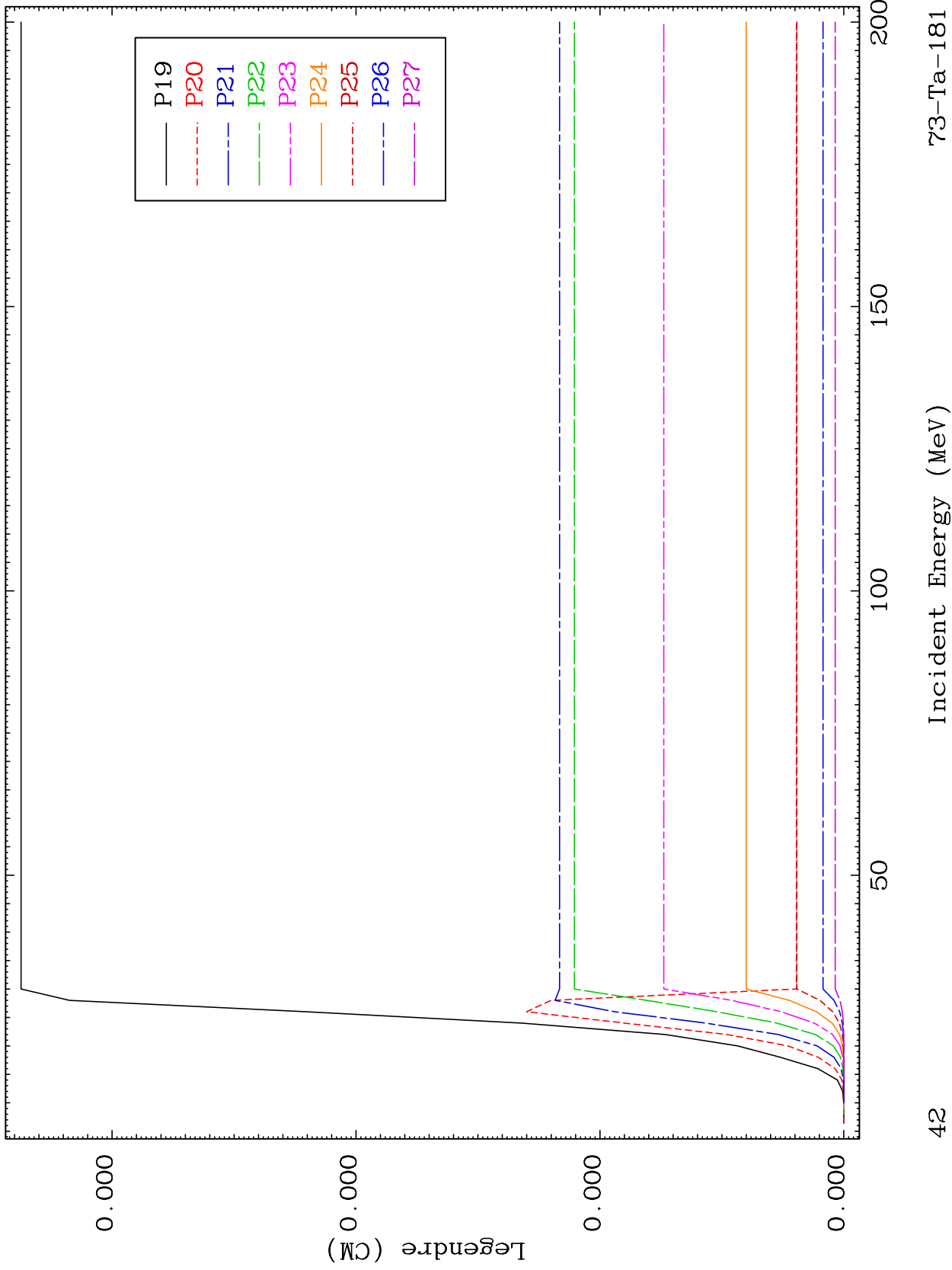




MAT 7328

482.2 keV (n,n') Level
Legendre Coefficients

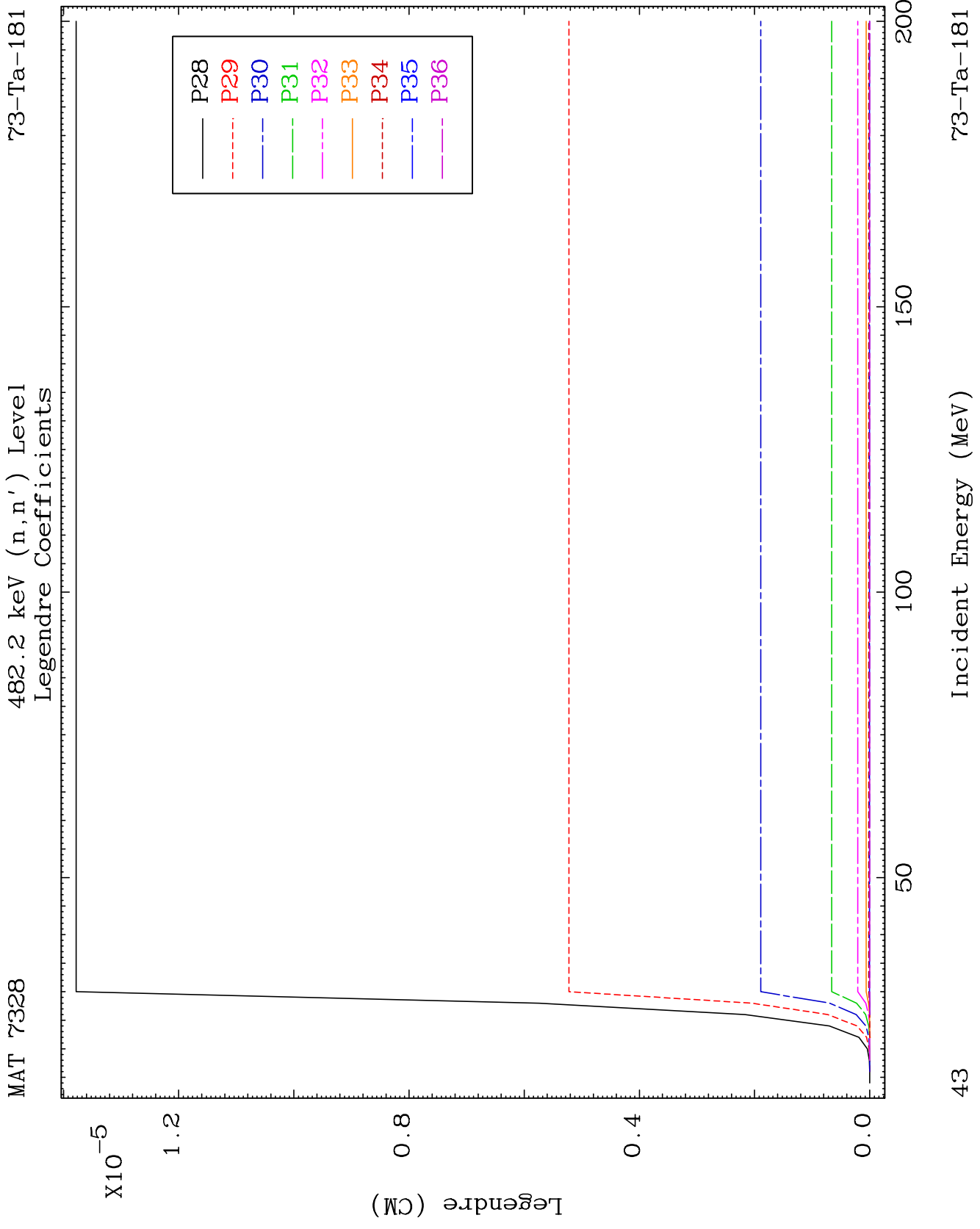
73-Ta-181



42

Incident Energy (MeV)

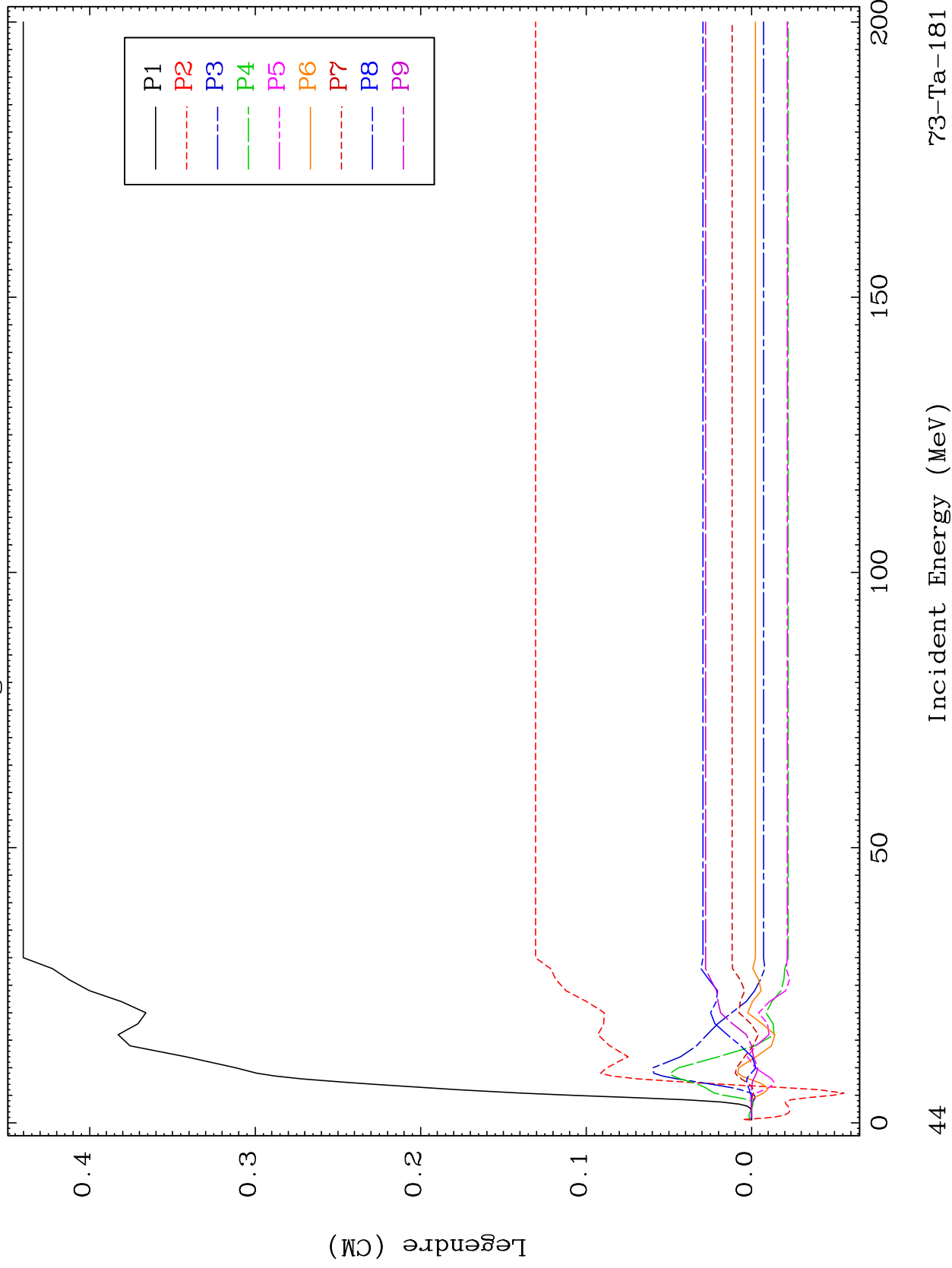
73-Ta-181



MAT 7328

495.2 keV (n,n') Level
Legendre Coefficients

73-Ta-181



44

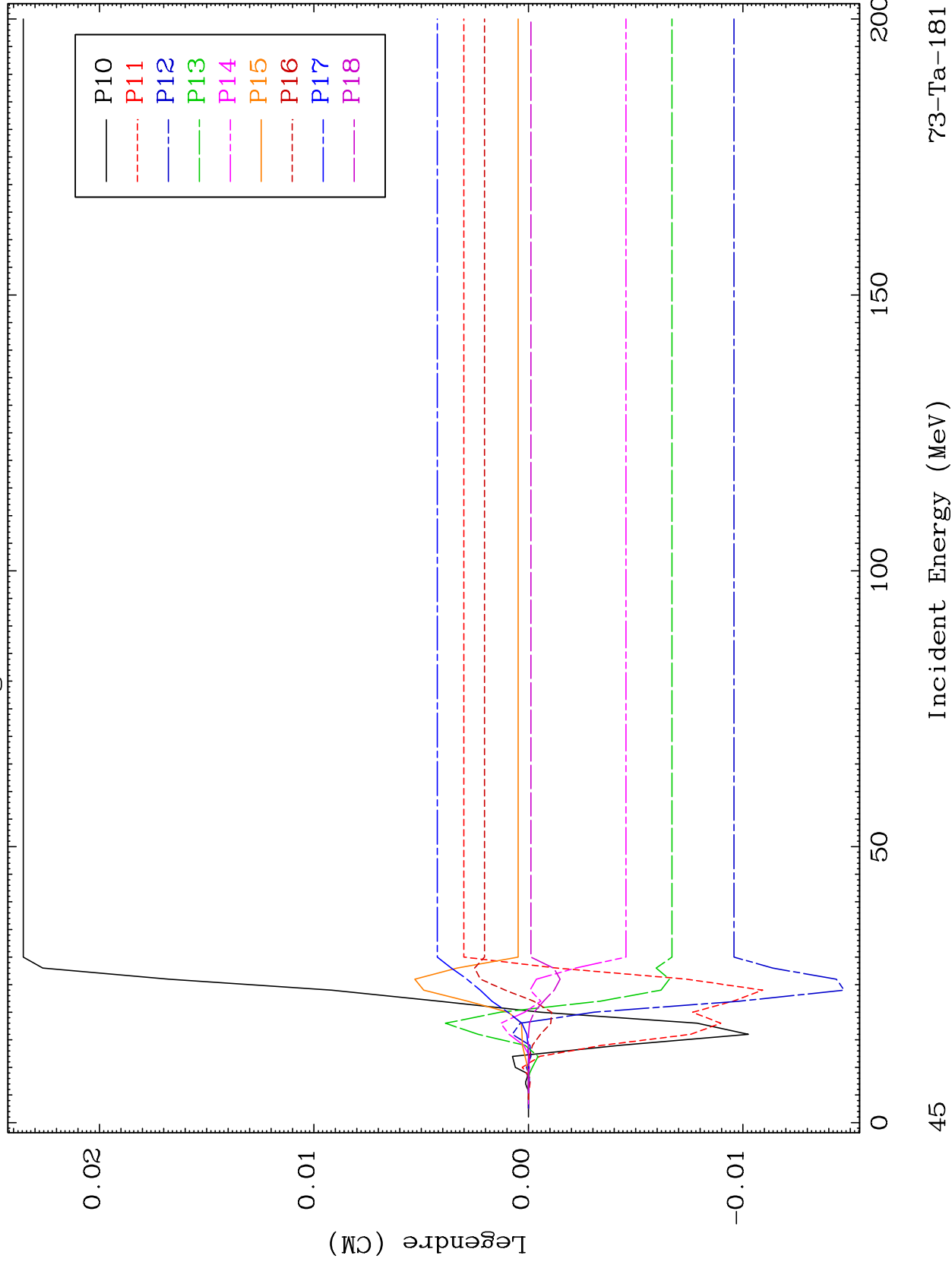
Incident Energy (MeV)

73-Ta-181

MAT 7328

495.2 keV (n,n') Level
Legendre Coefficients

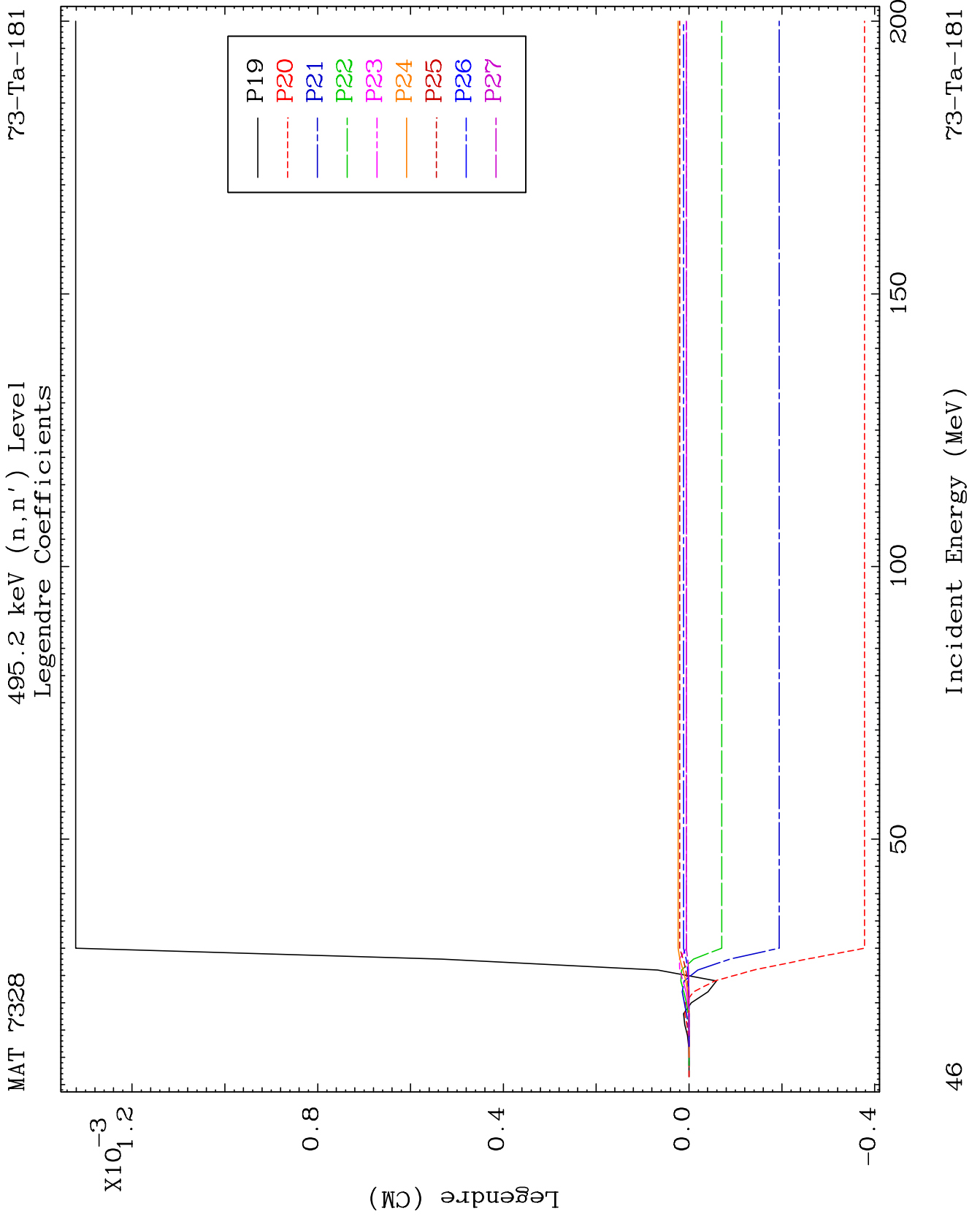
73-Ta-181



73-Ta-181

Incident Energy (MeV)

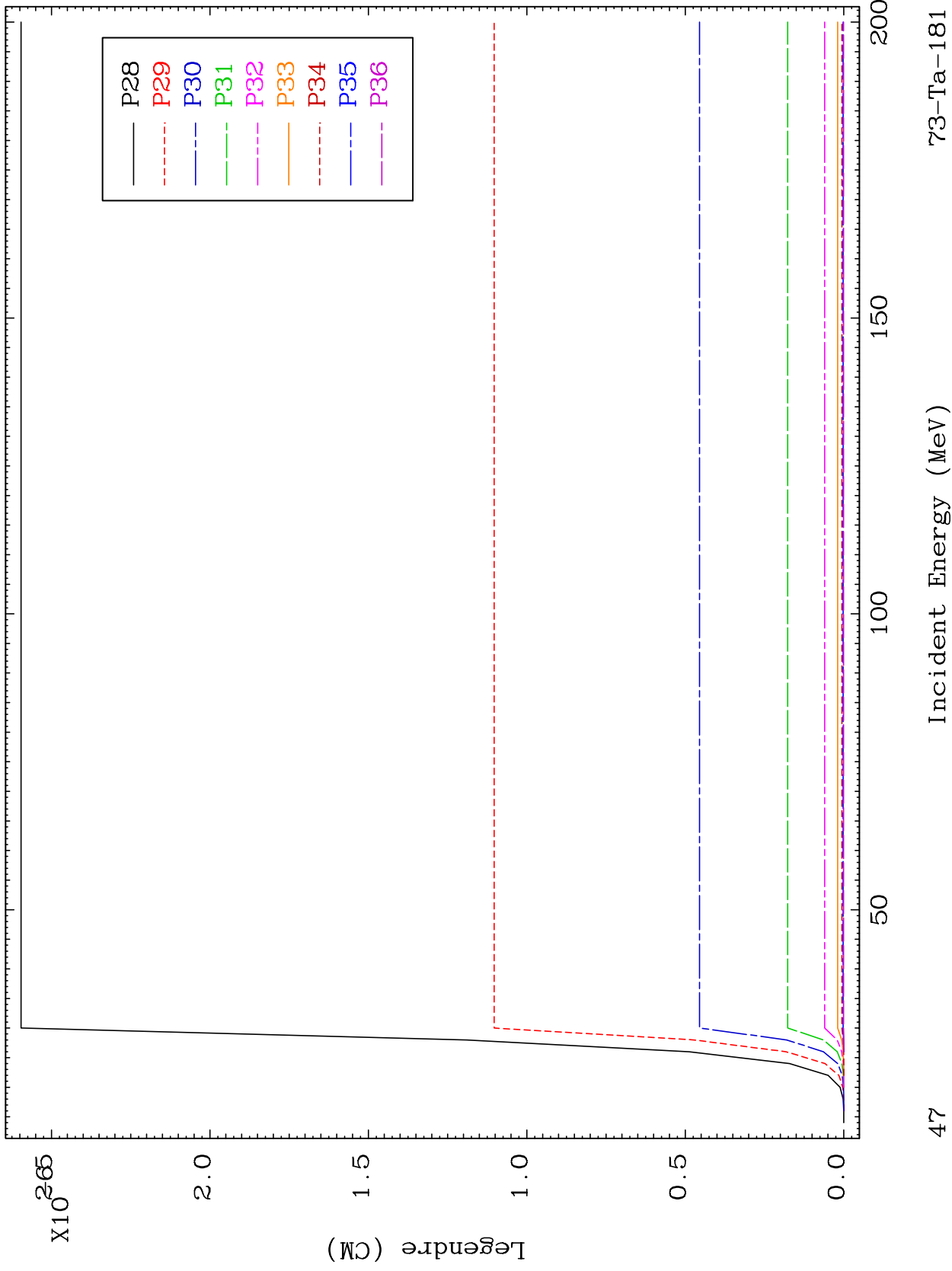
45



MAT 7328

495.2 keV (n,n') Level
Legendre Coefficients

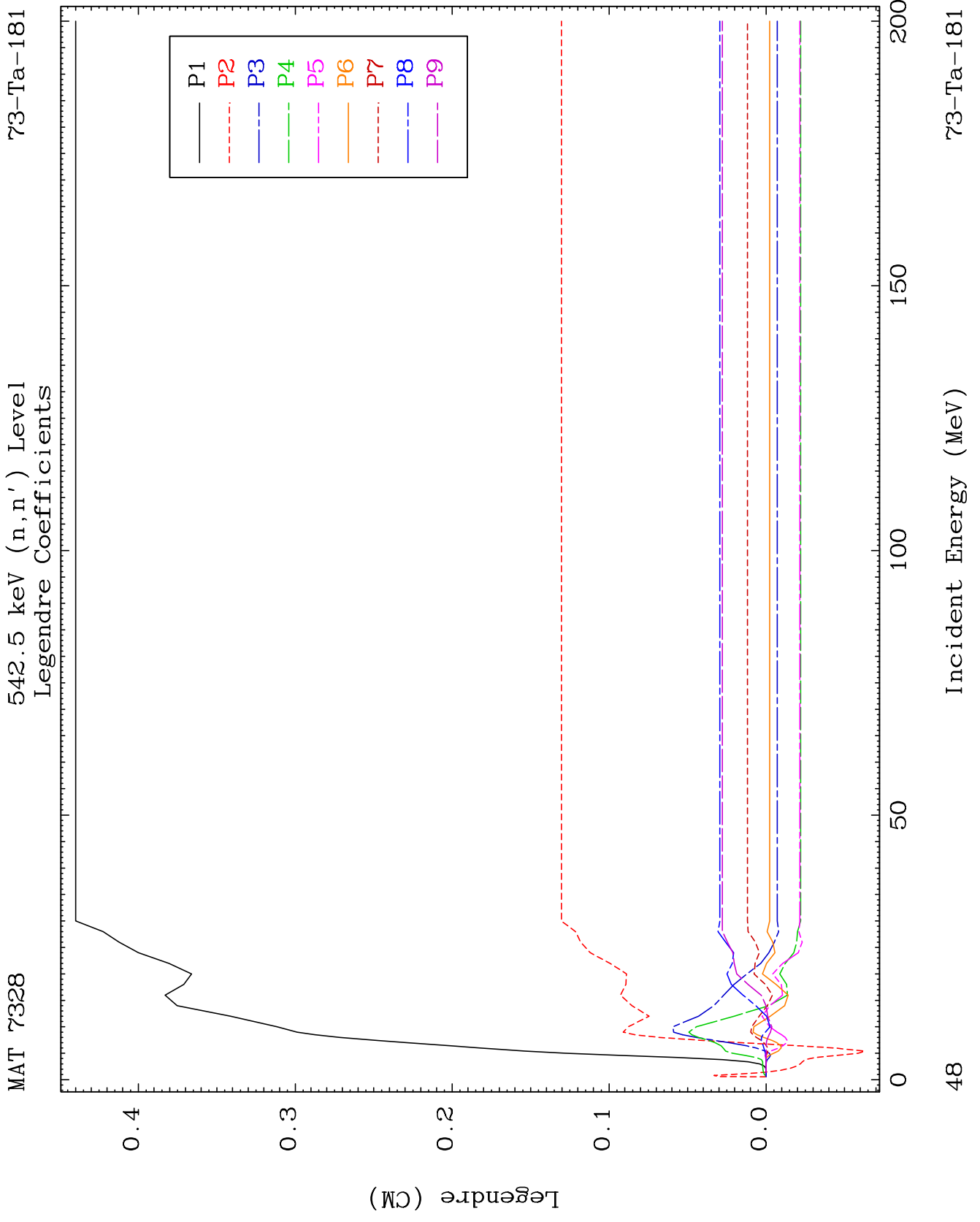
73-Ta-181



47

Incident Energy (MeV)

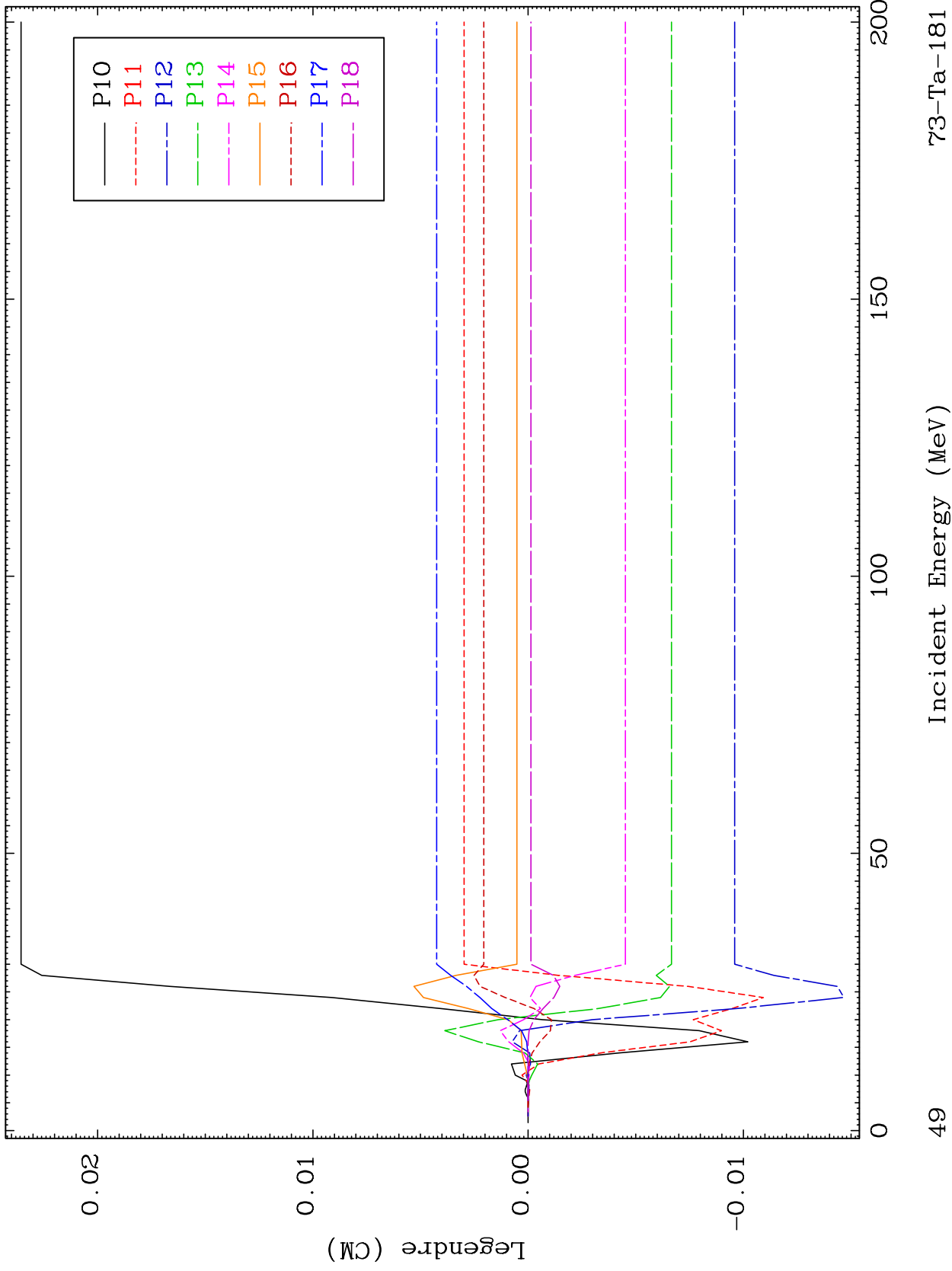
73-Ta-181



MAT 7328

542.5 keV (n,n') Level
Legendre Coefficients

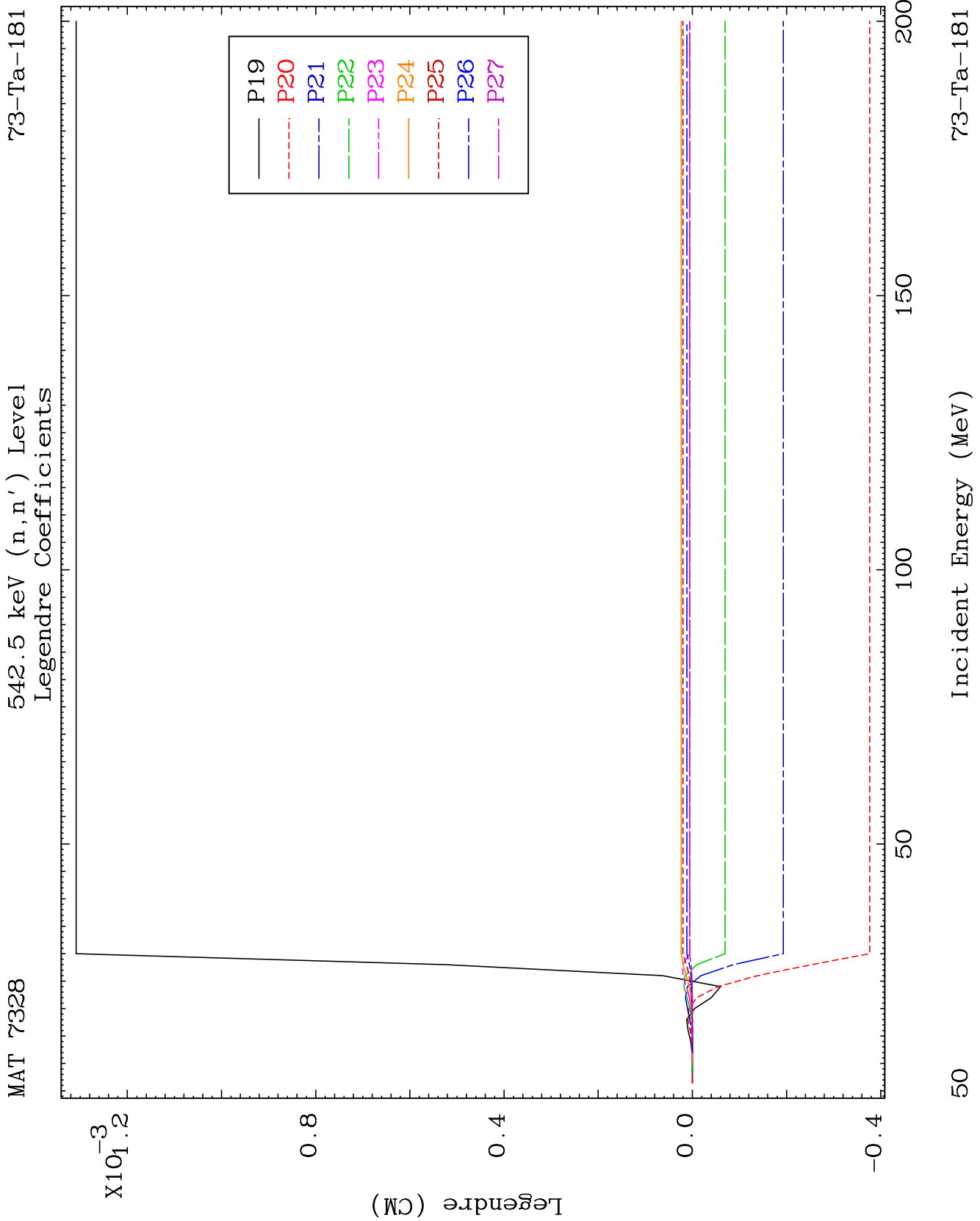
73-Ta-181



49

Incident Energy (MeV)

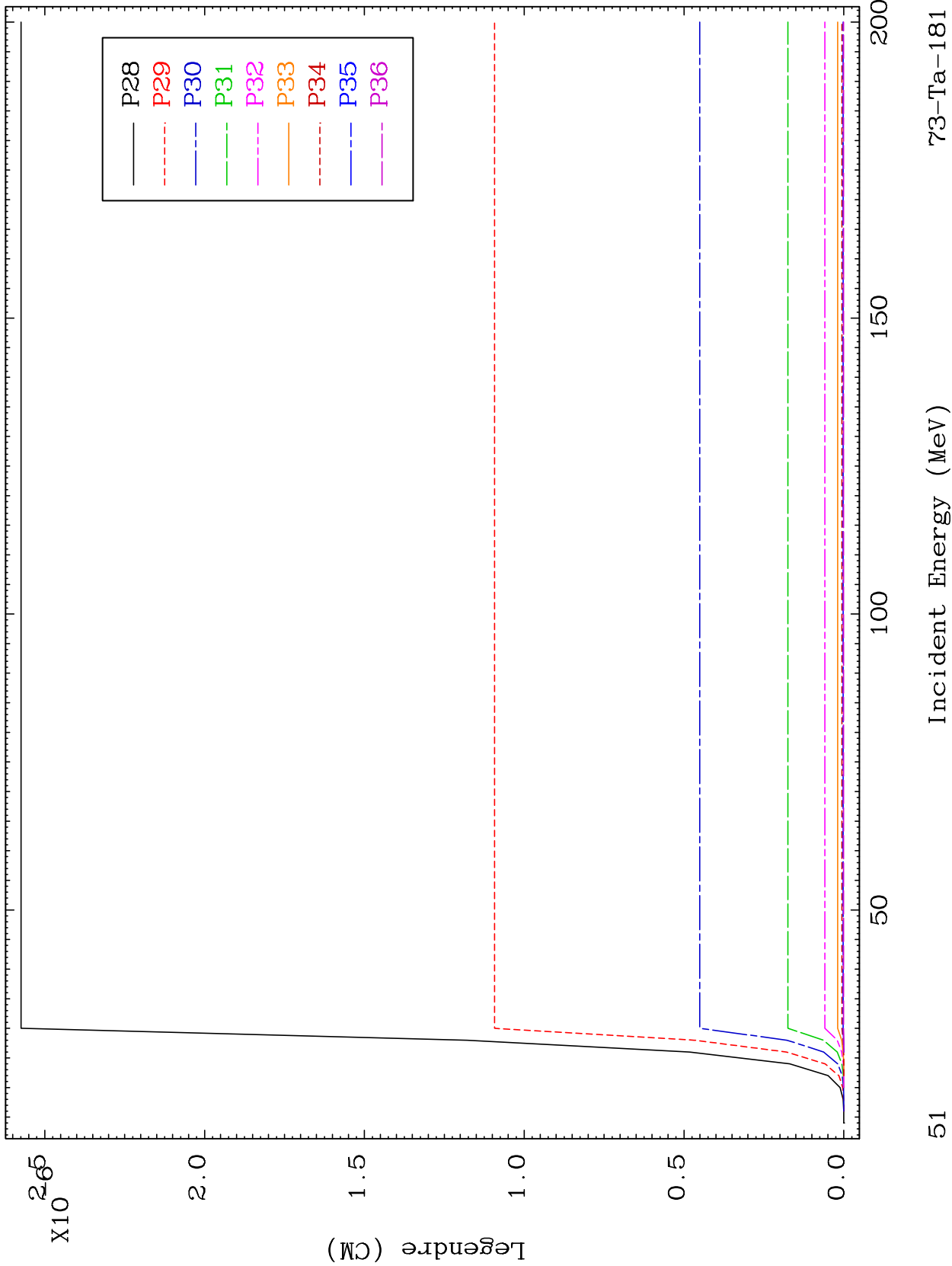
73-Ta-181



MAT 7328

542.5 keV (n,n') Level
Legendre Coefficients

73-Ta-181



51

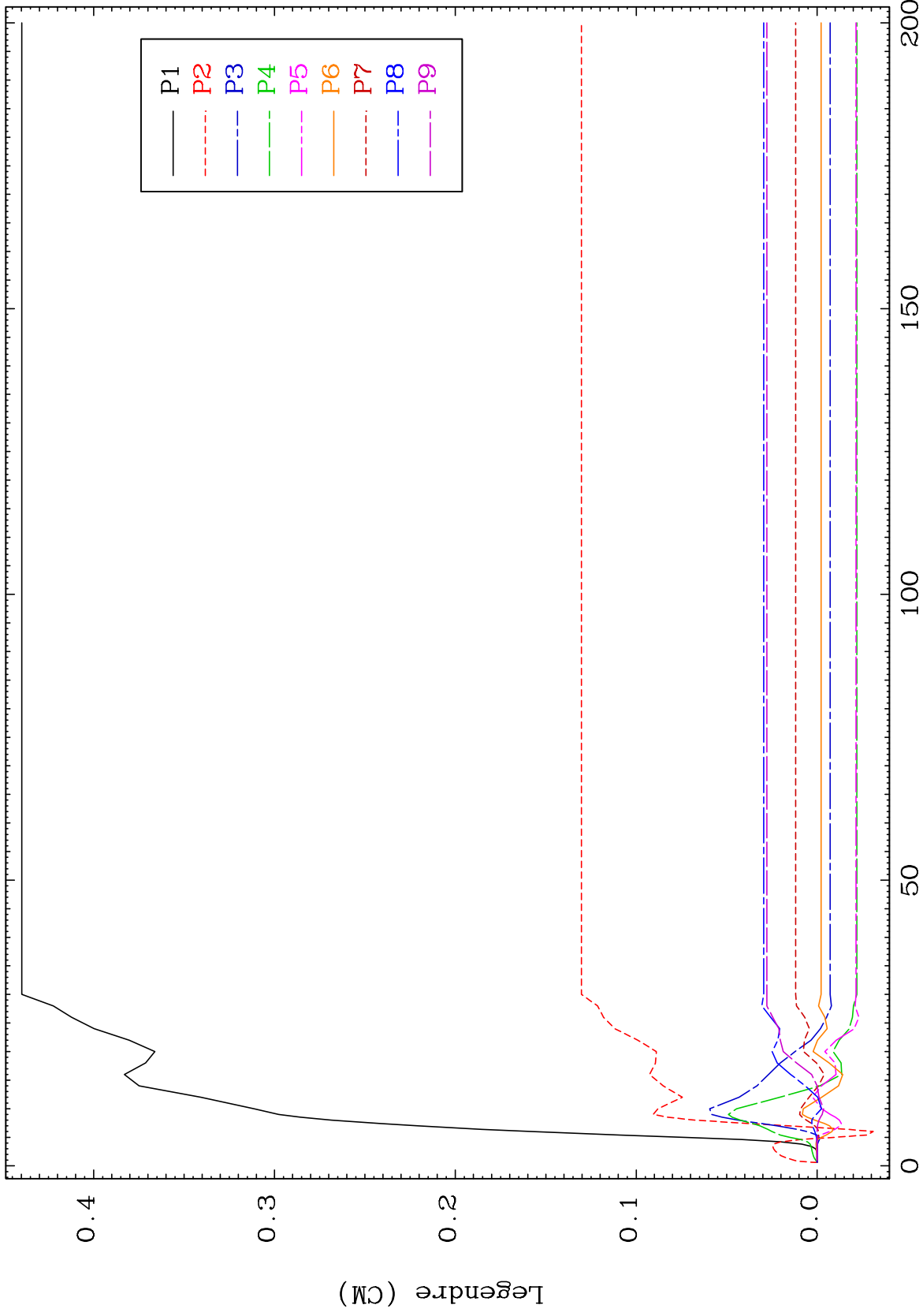
Incident Energy (MeV)

73-Ta-181

MAT 7328

590.1 keV (n,n') Level
Legendre Coefficients

73-Ta-181



73-Ta-181

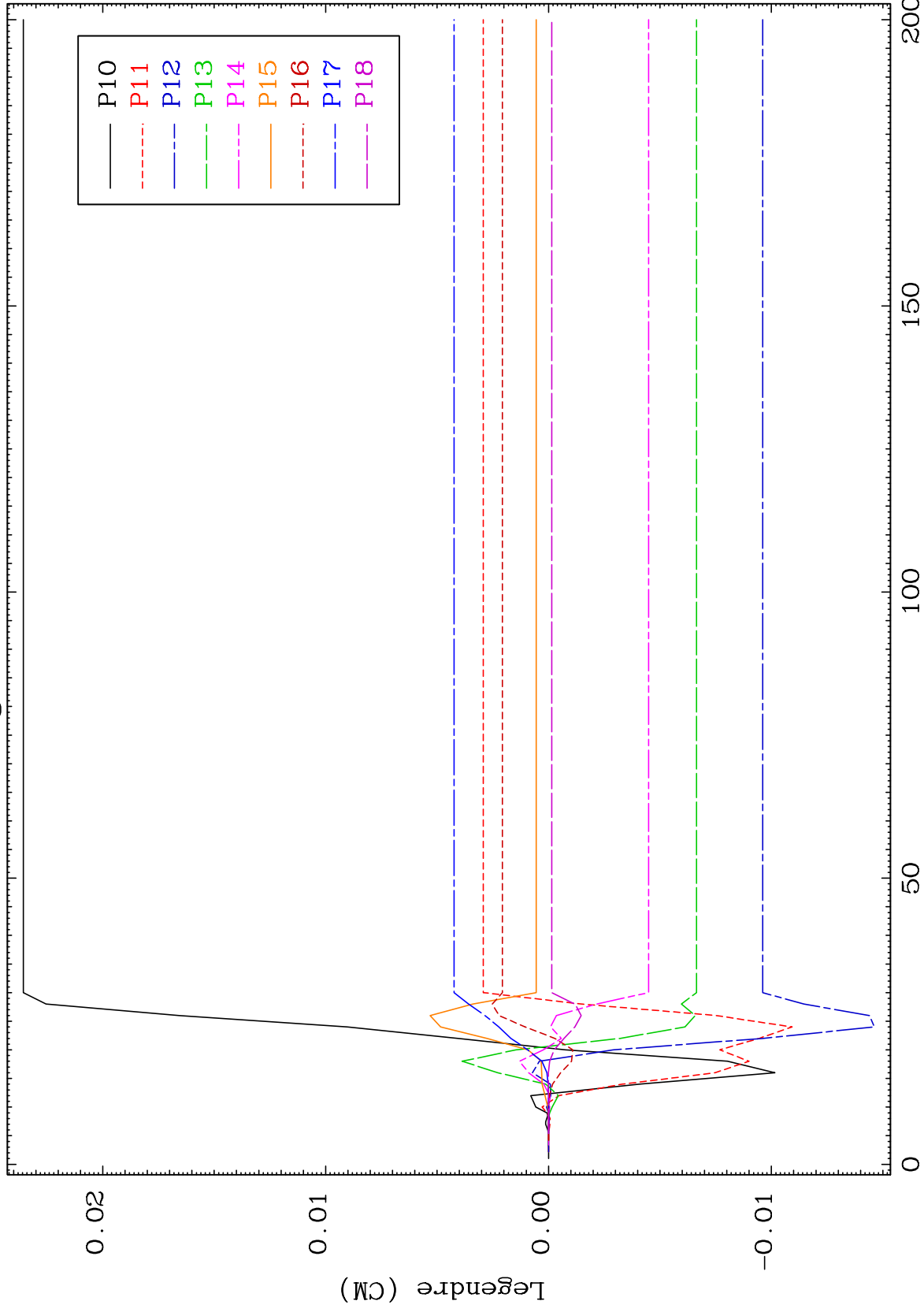
Incident Energy (MeV)

52

MAT 7328

590.1 keV (n,n') Level
Legendre Coefficients

73-Ta-181



53

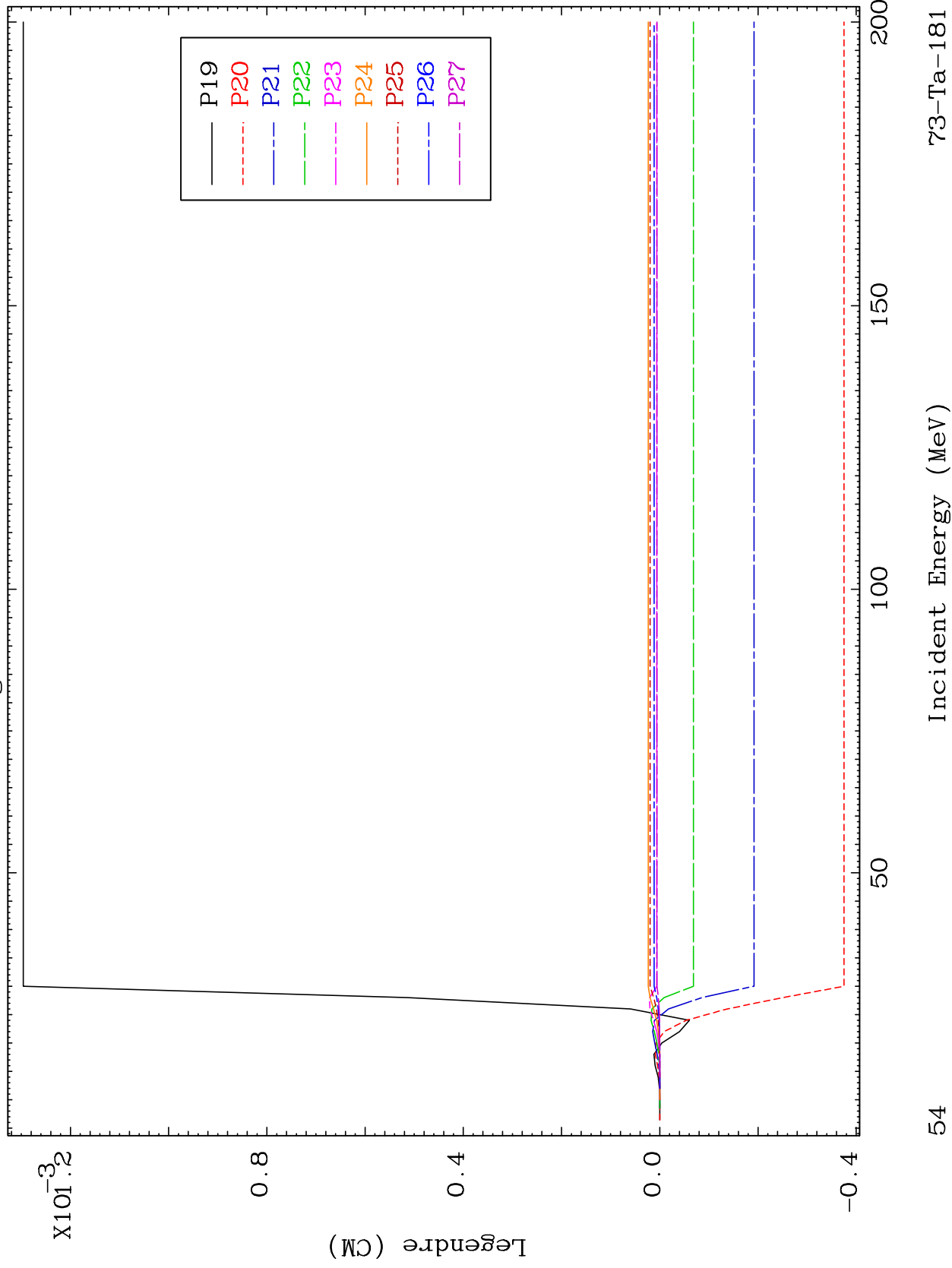
Incident Energy (MeV)

73-Ta-181

MAT 7328

590.1 keV (n,n') Level
Legendre Coefficients

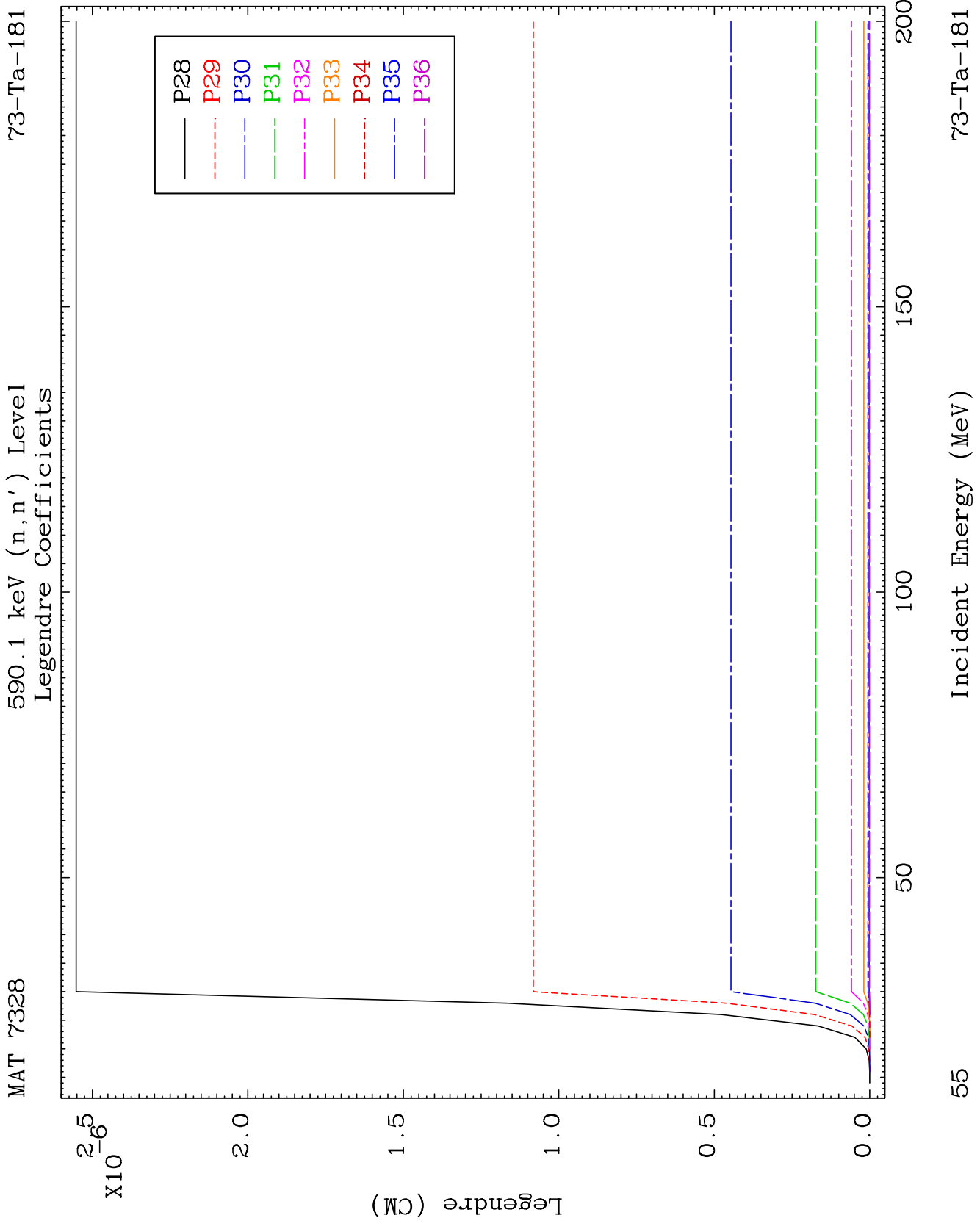
73-Ta-181

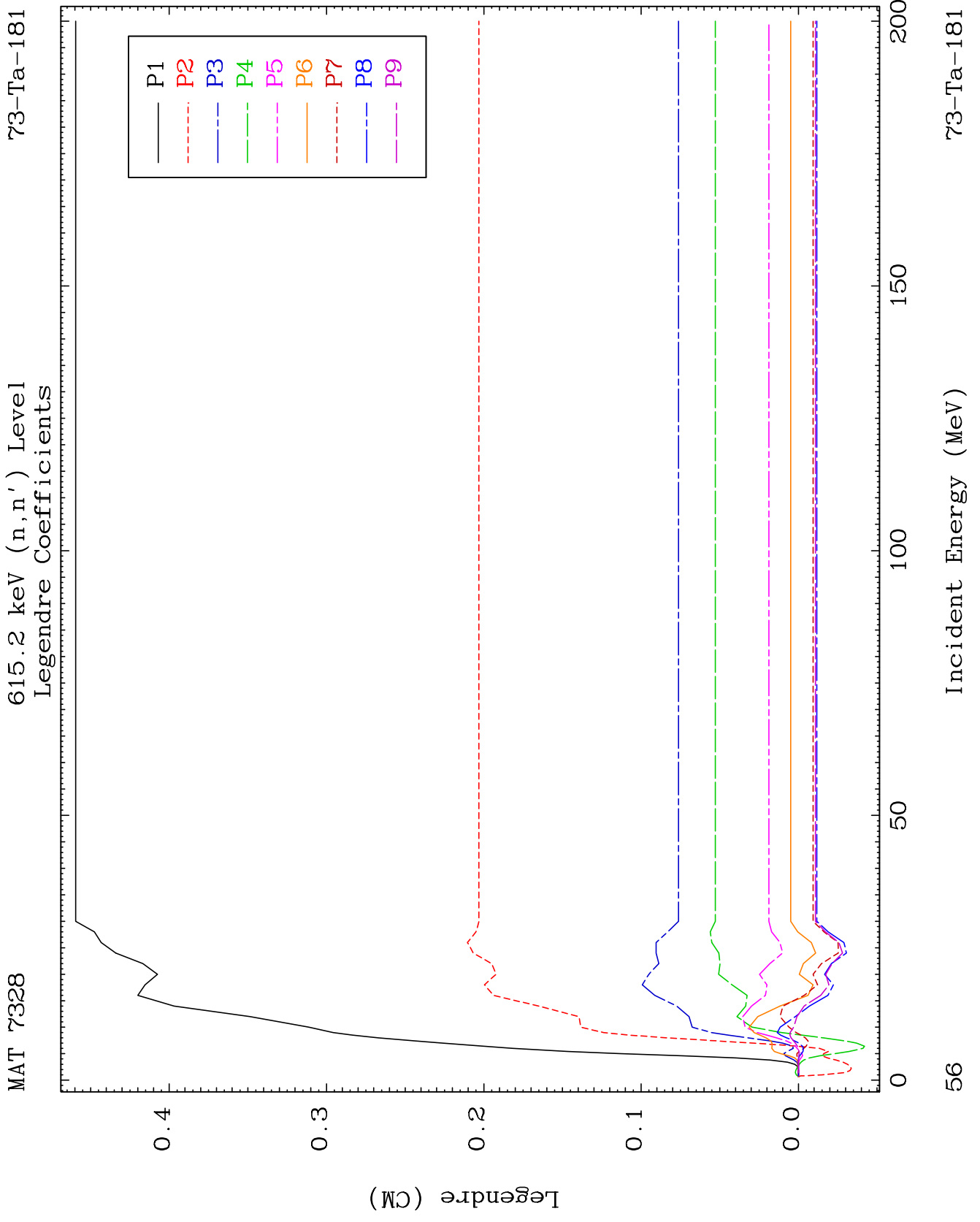


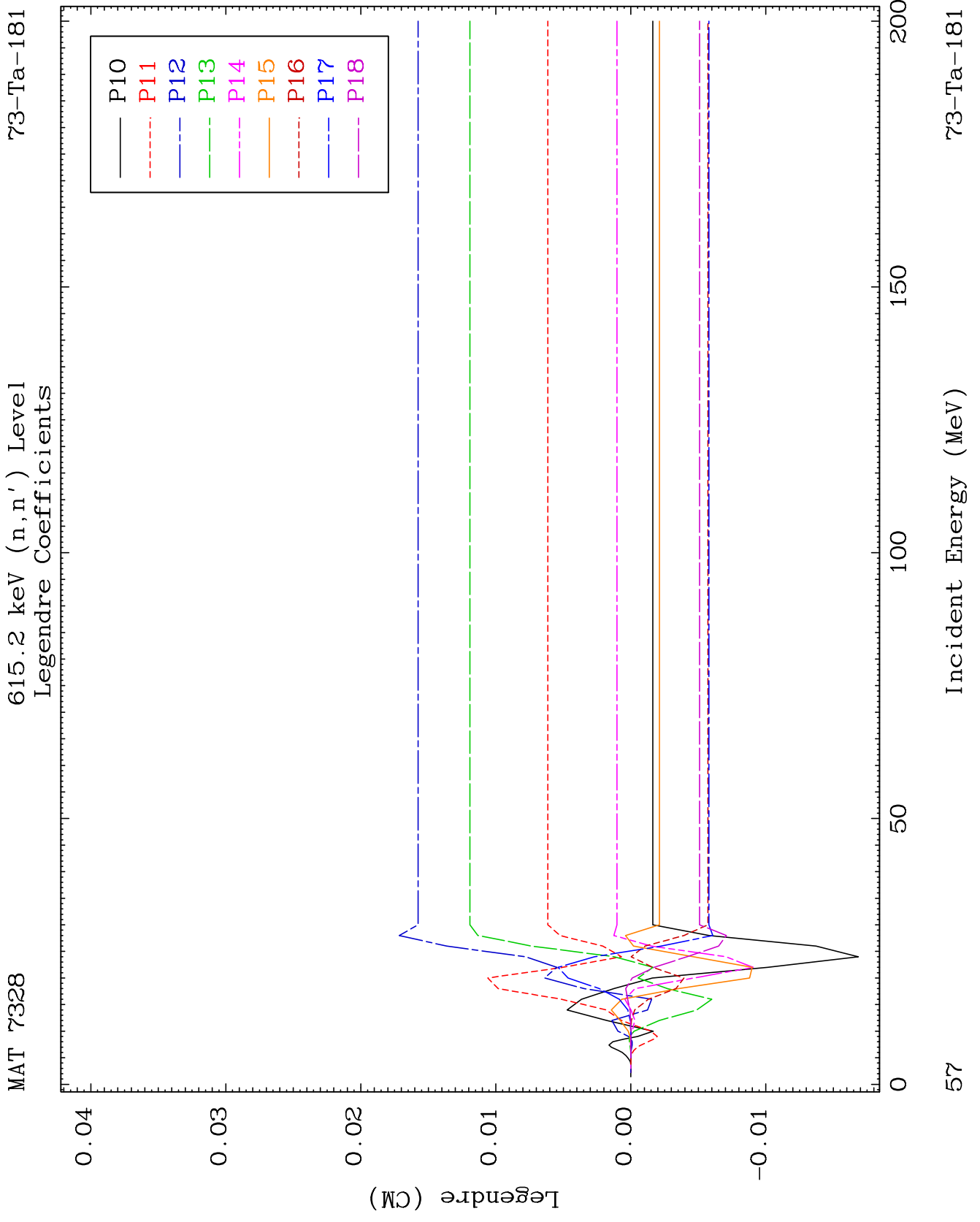
54

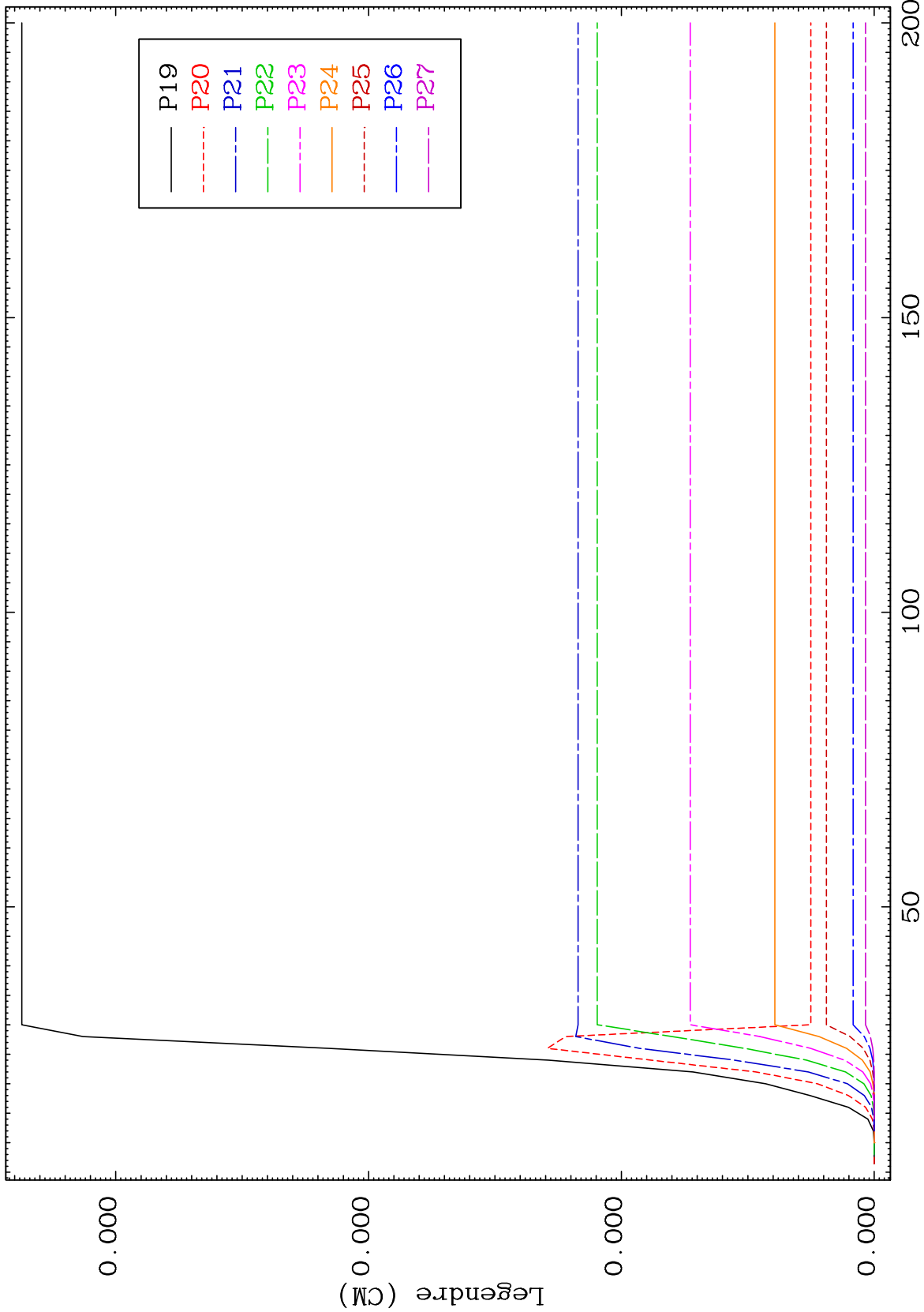
Incident Energy (MeV)

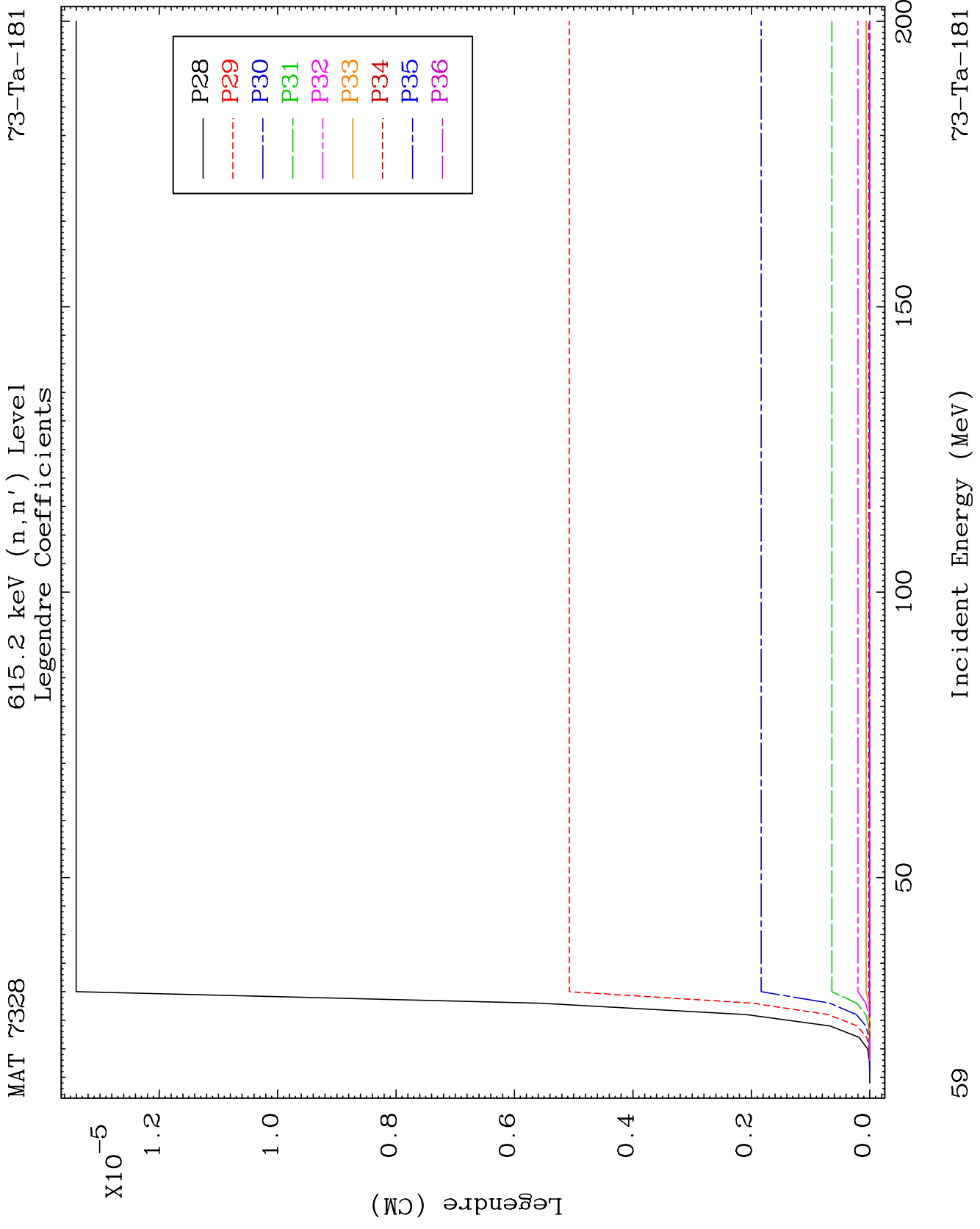
73-Ta-181

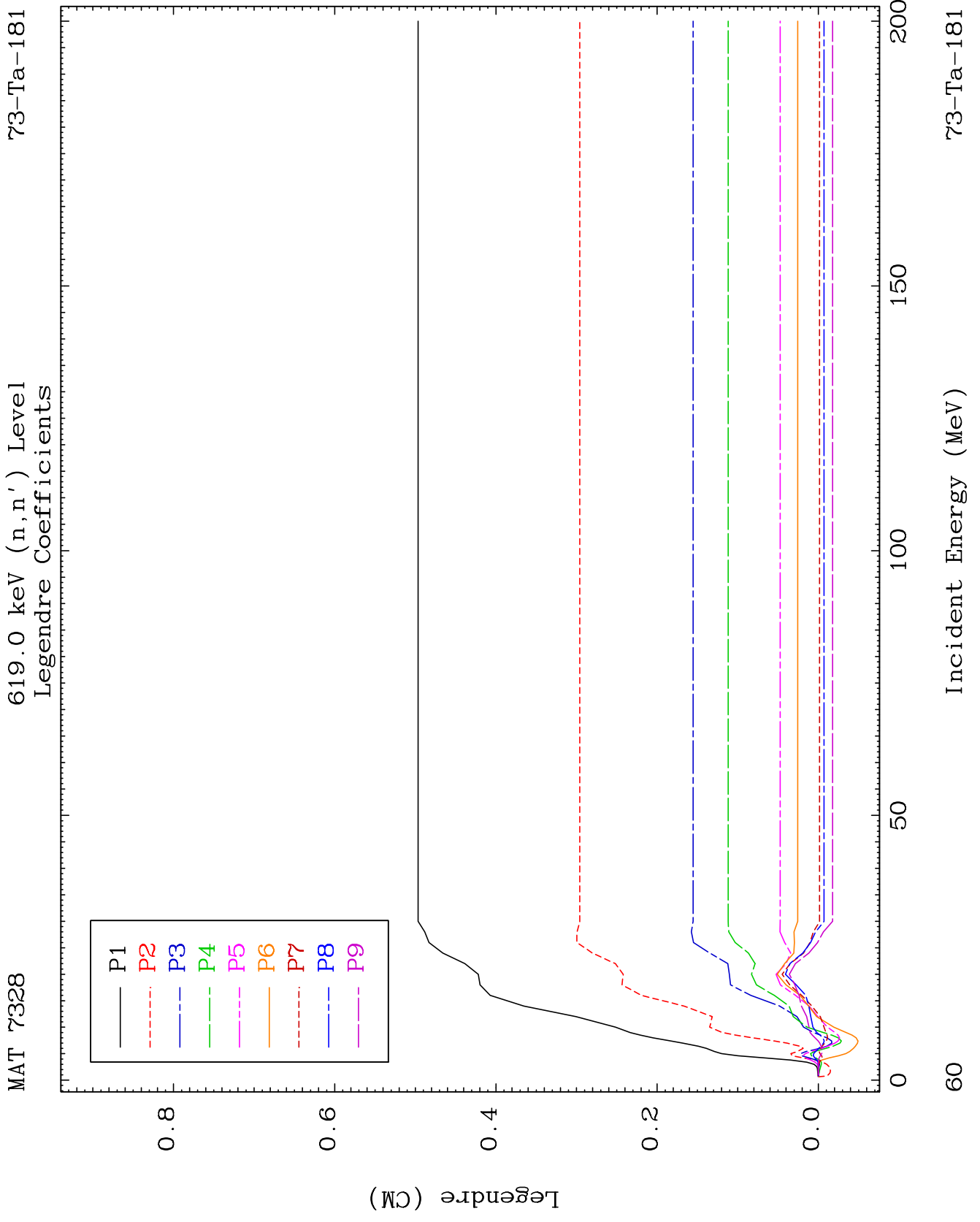


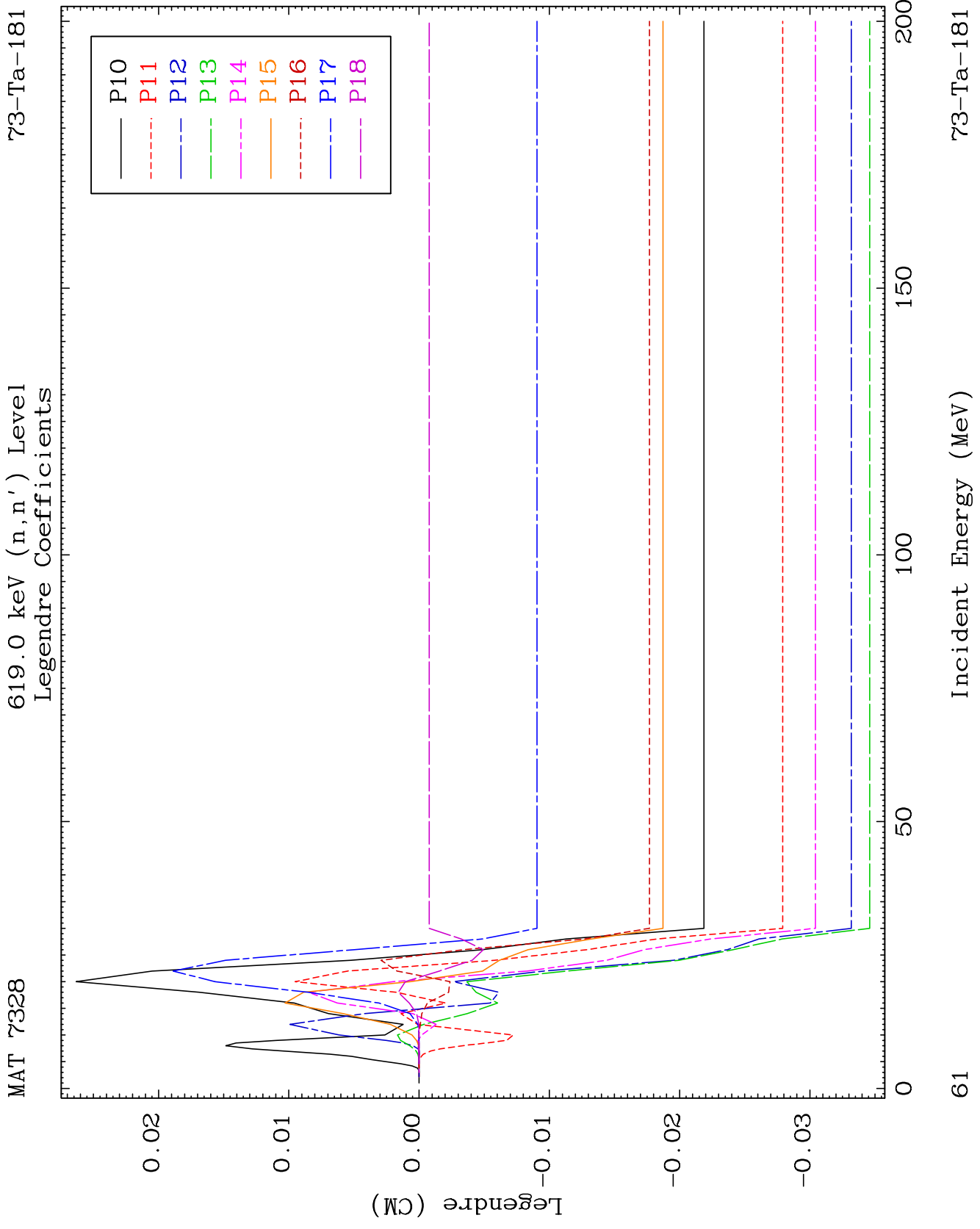


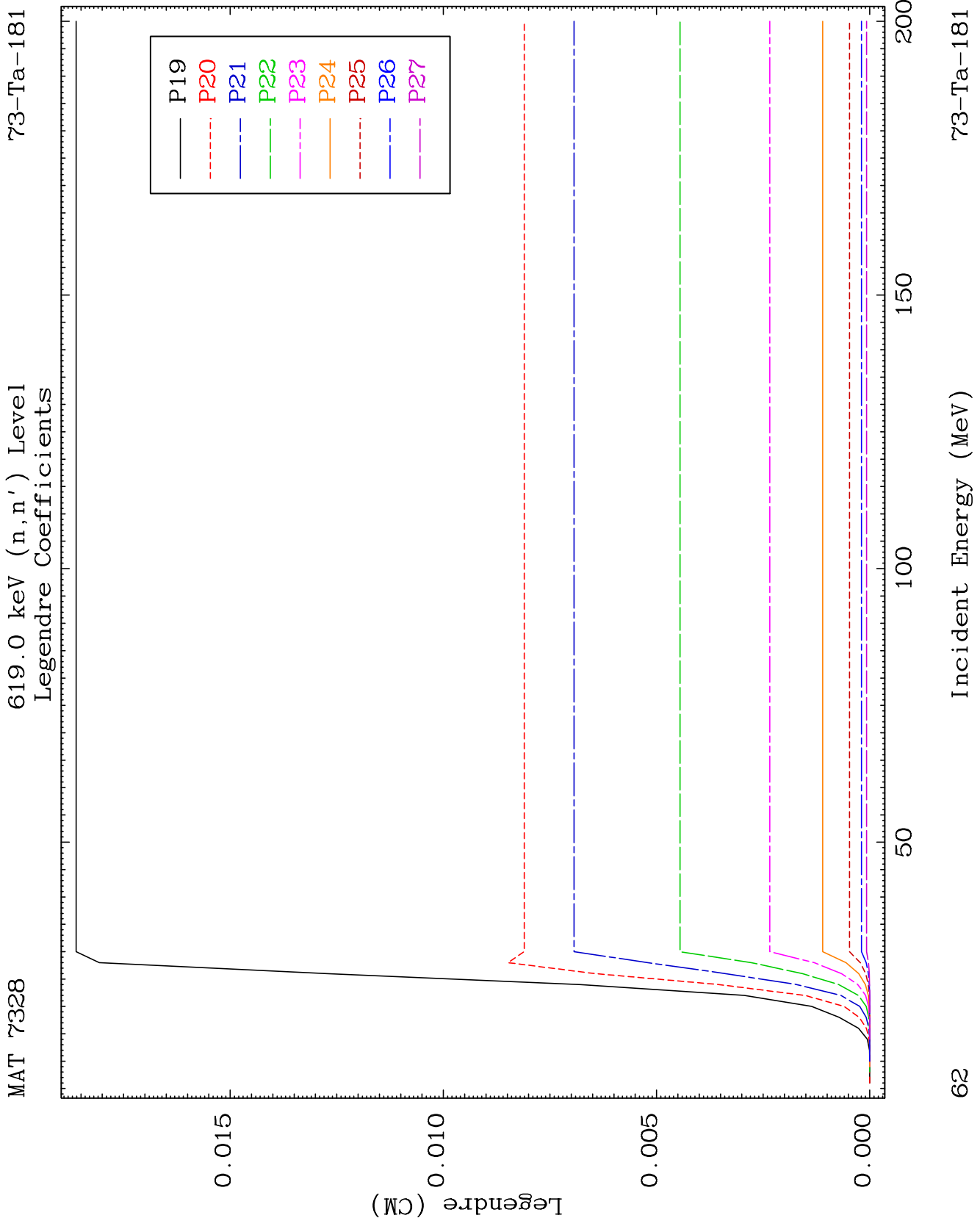


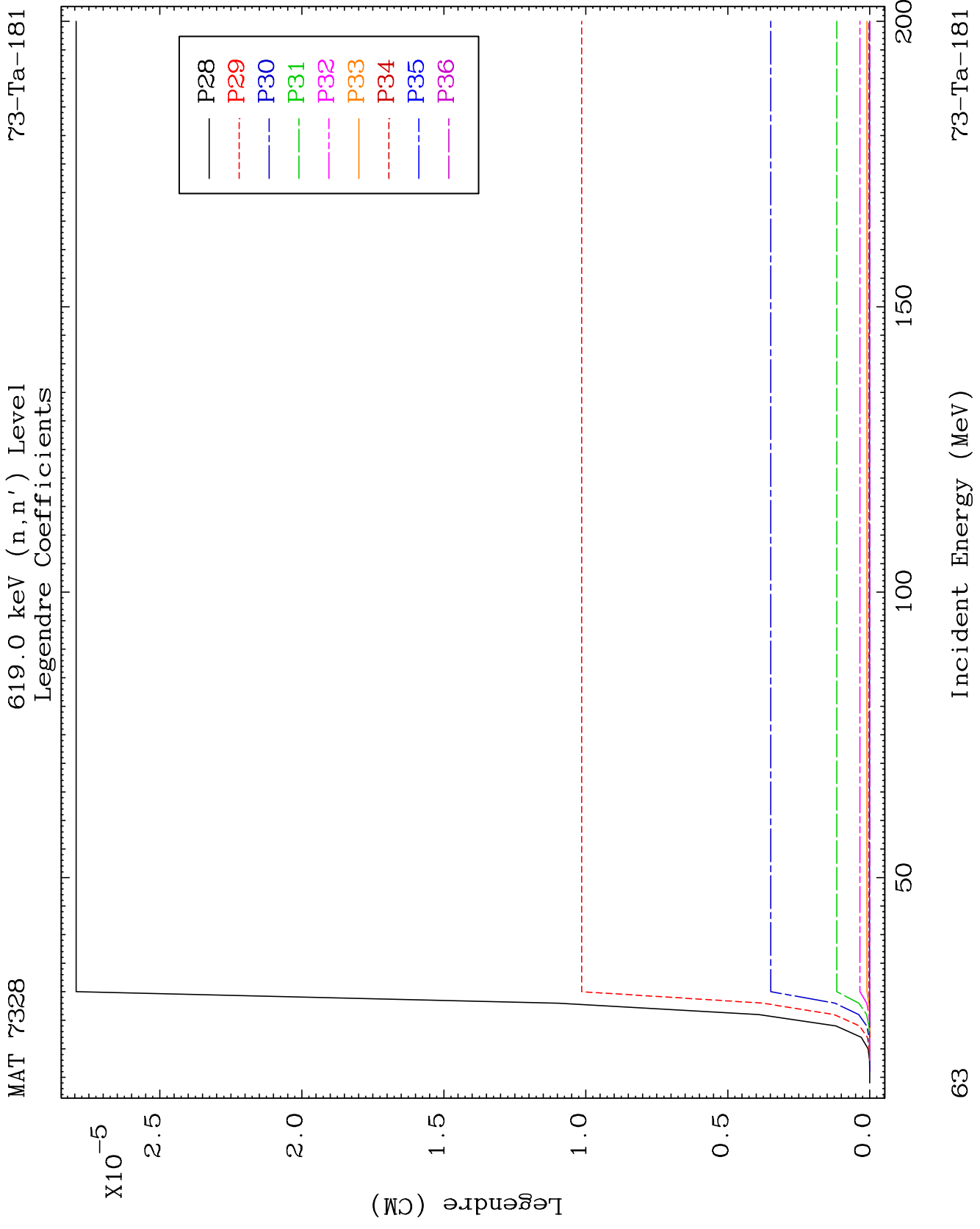








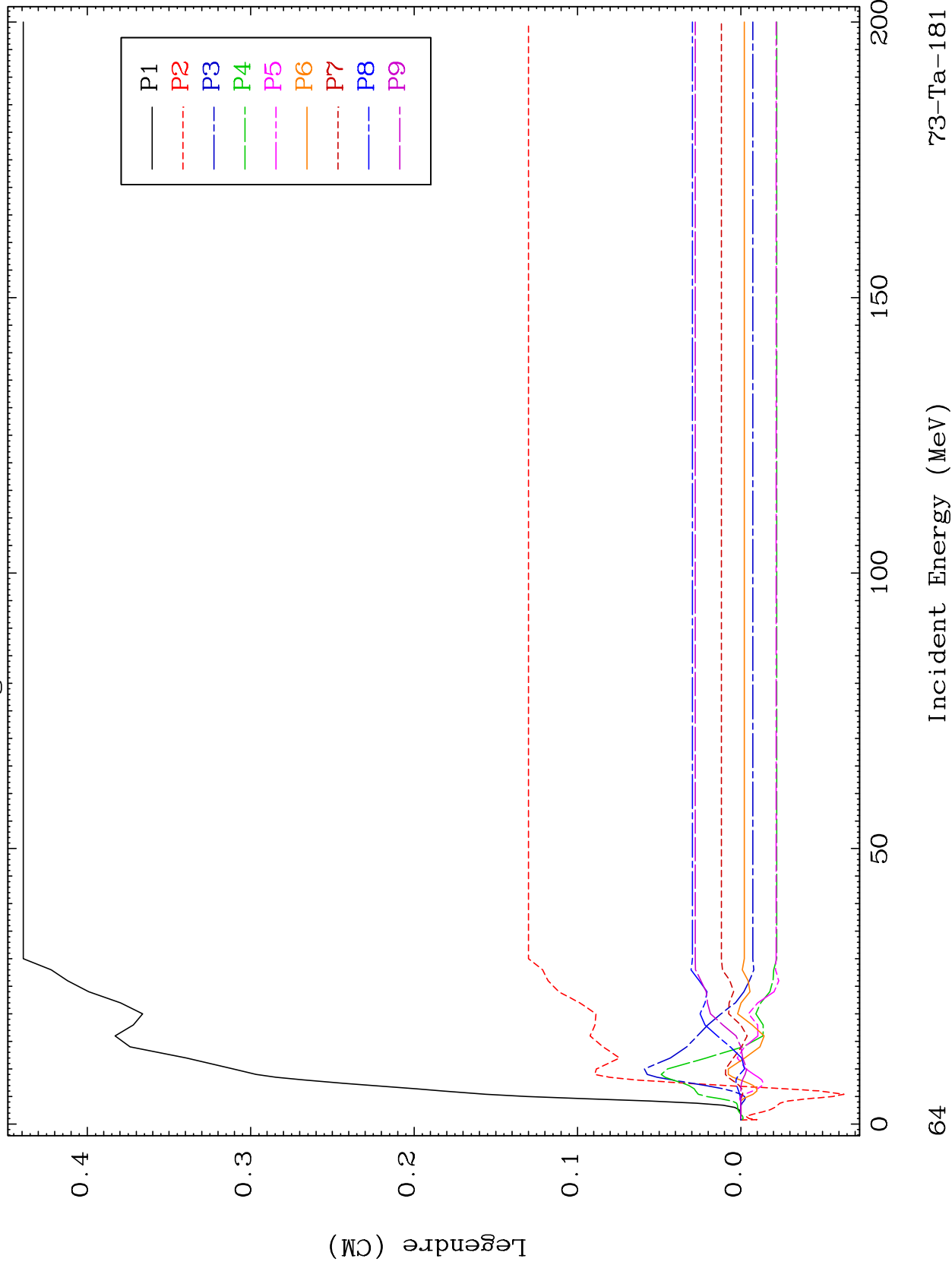




MAT 7328

716.7 keV (n,n') Level
Legendre Coefficients

73-Ta-181



73-Ta-181

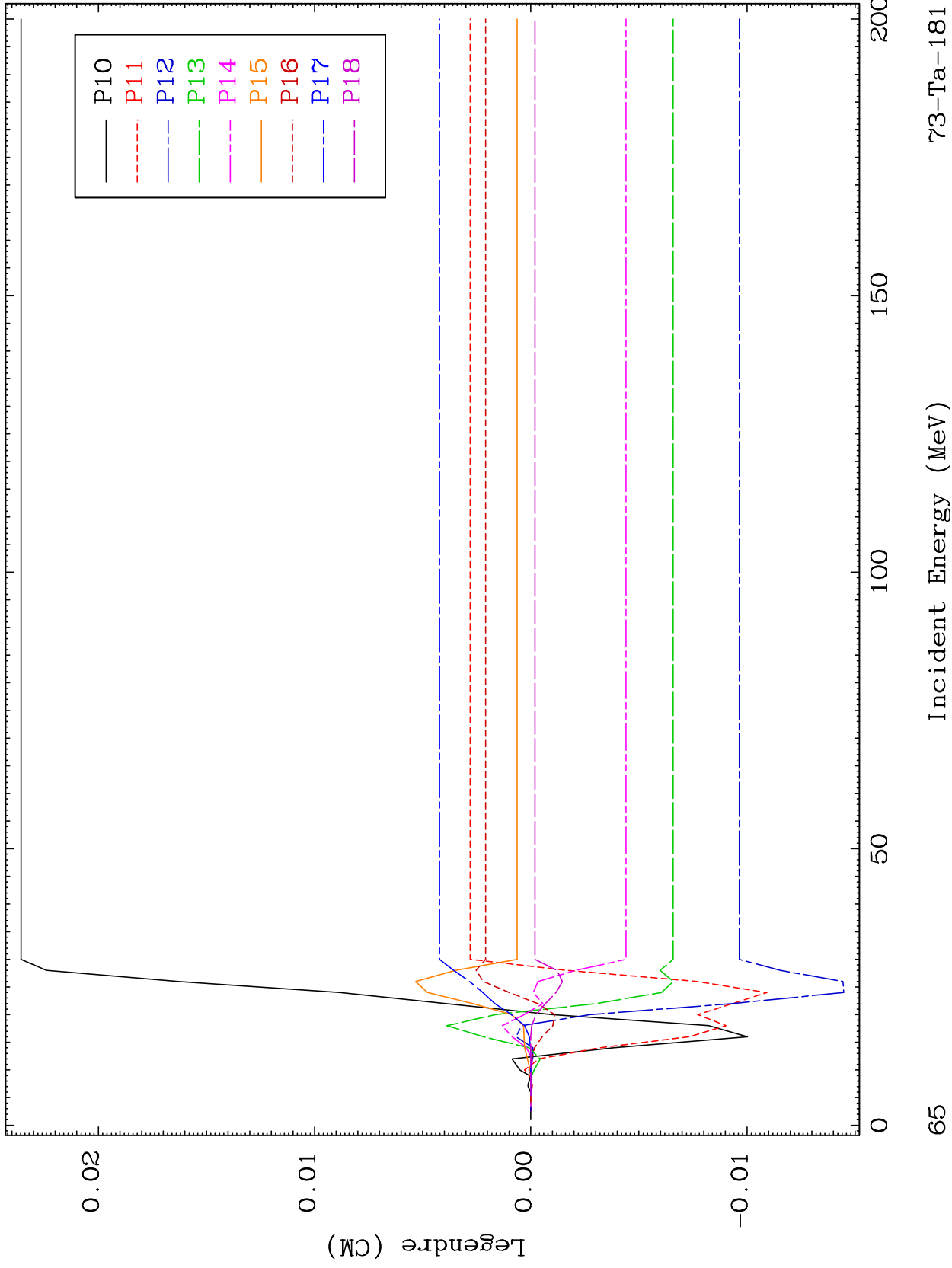
Incident Energy (MeV)

64

MAT 7328

716.7 keV (n,n') Level
Legendre Coefficients

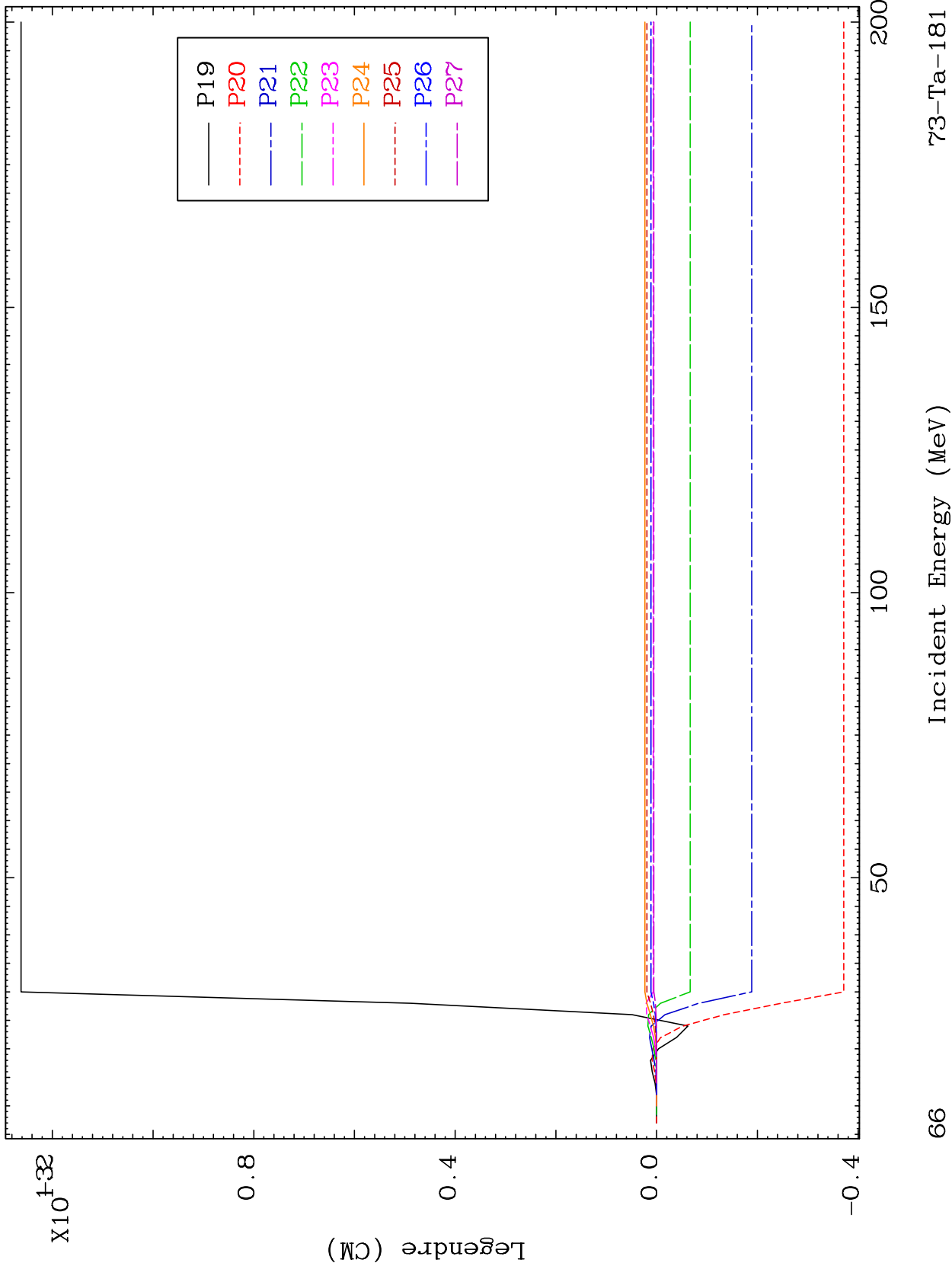
73-Ta-181

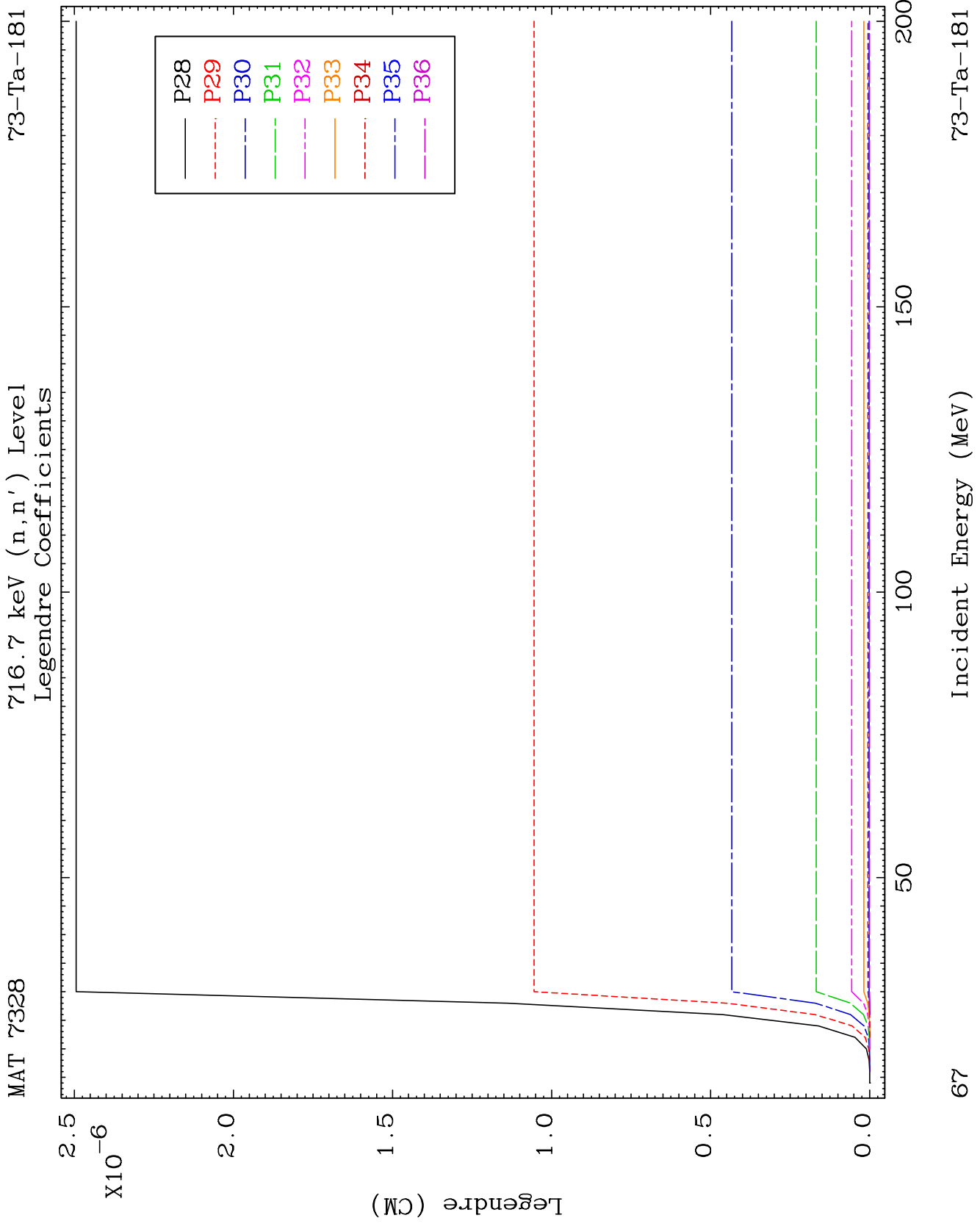


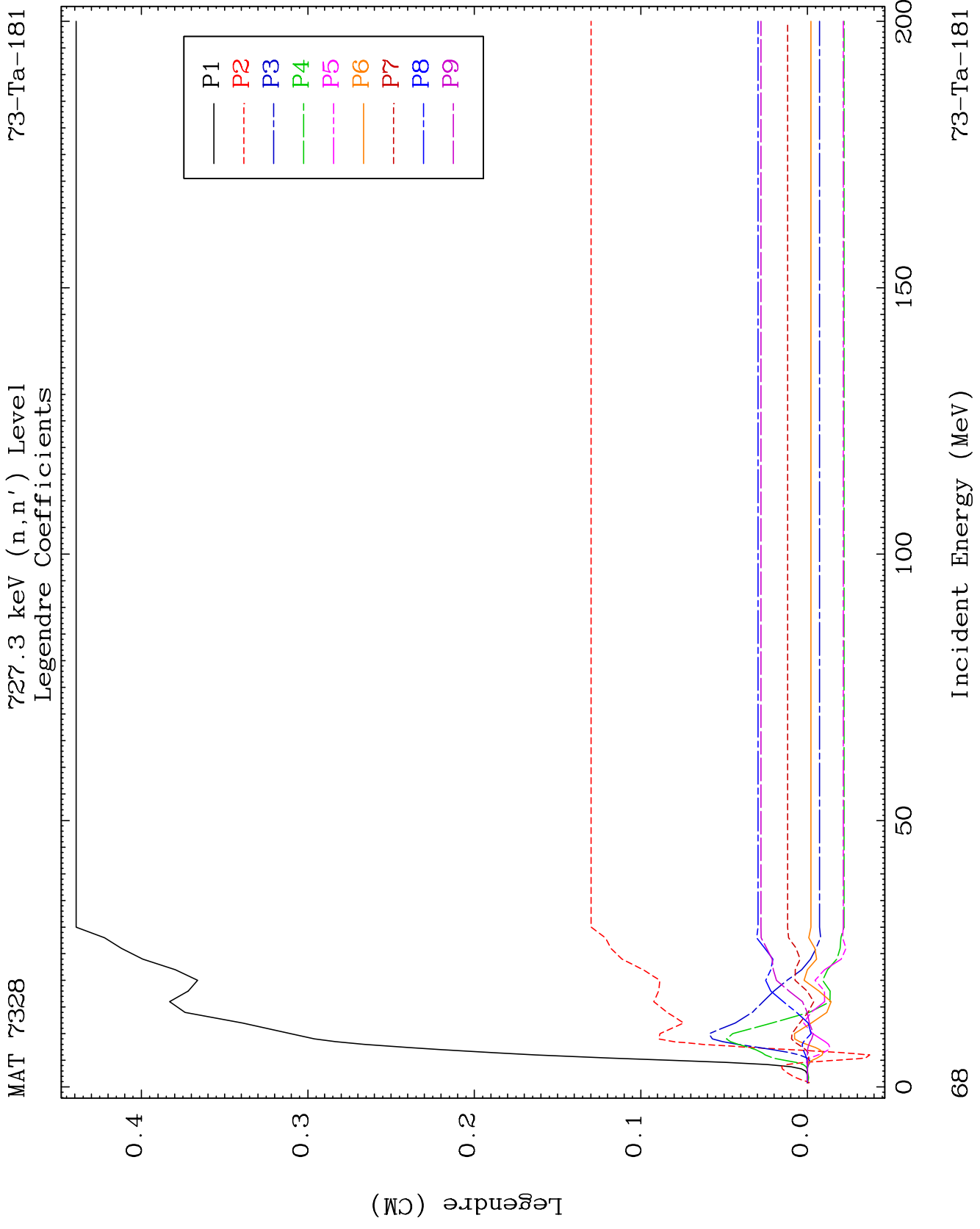
73-Ta-181

Incident Energy (MeV)

65



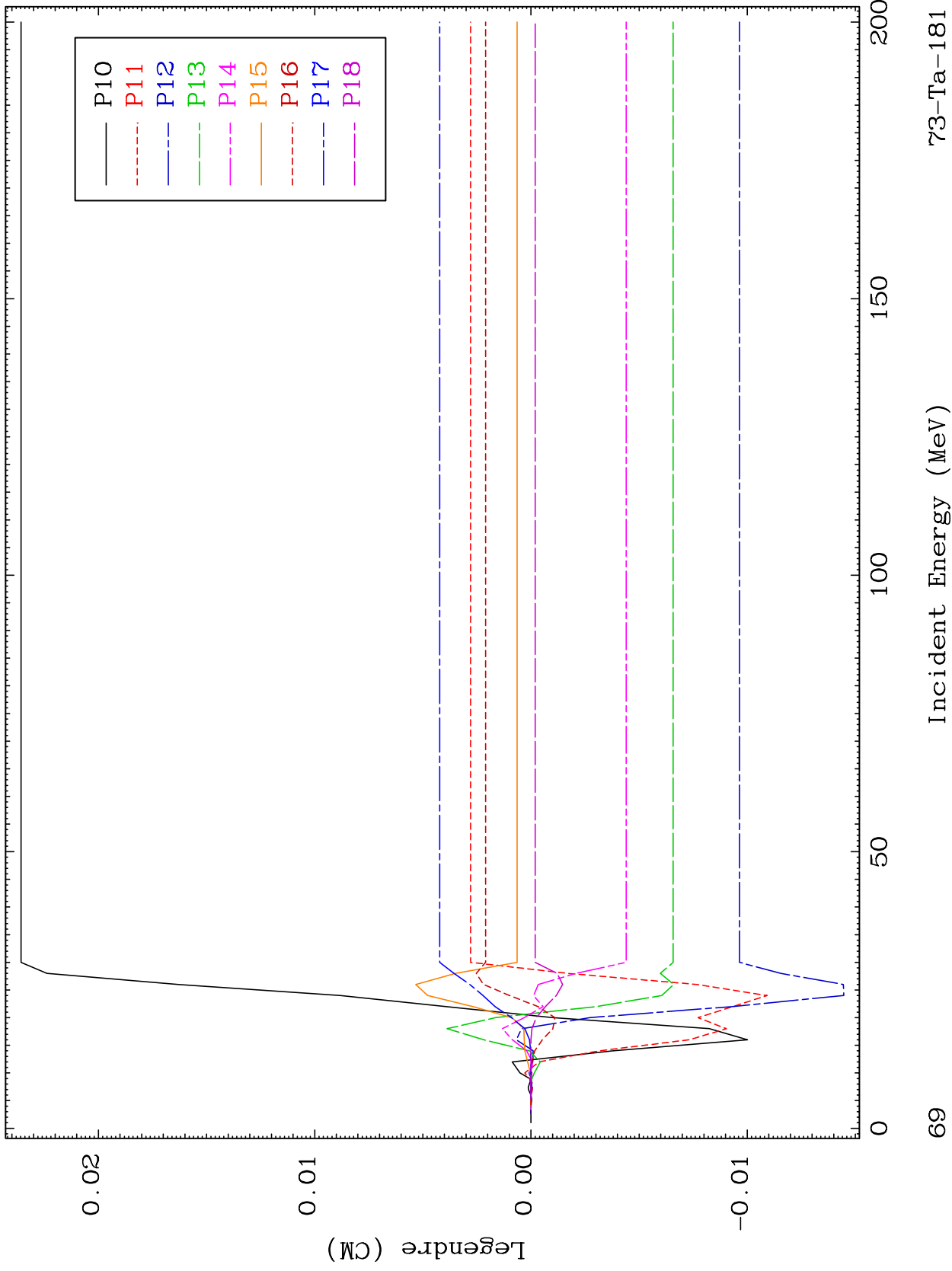




MAT 7328

727.3 keV (n,n') Level
Legendre Coefficients

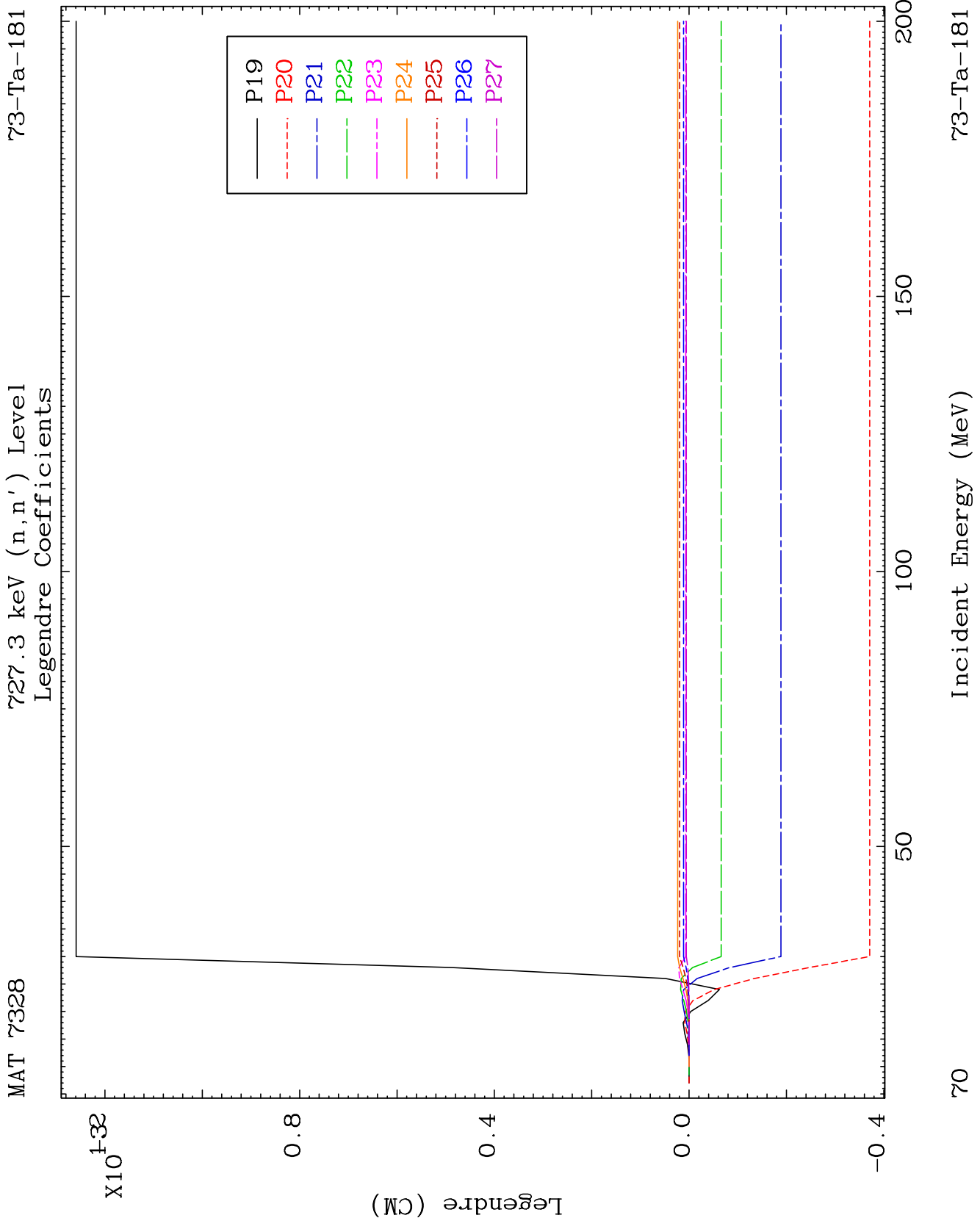
73-Ta-181

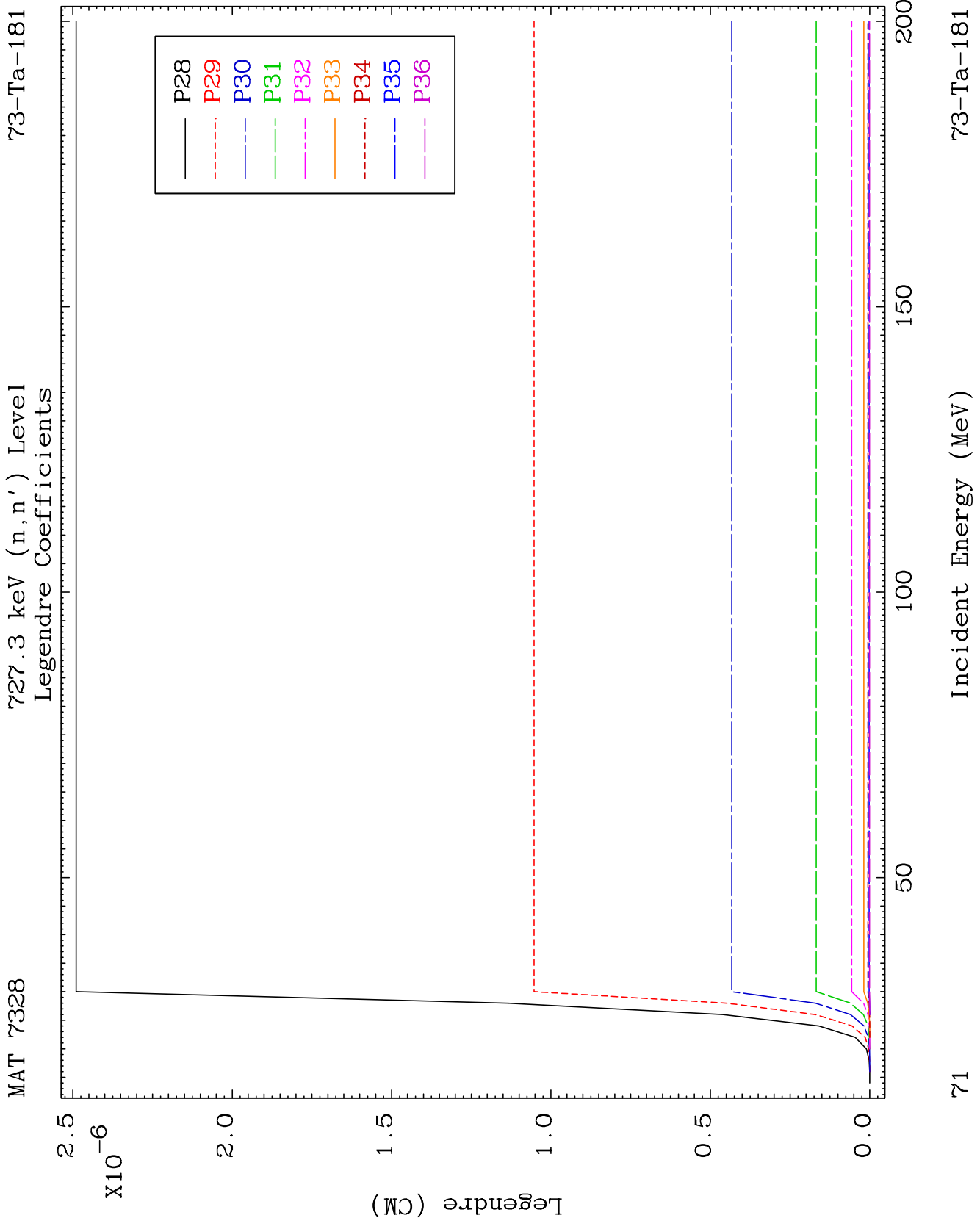


69

Incident Energy (MeV)

73-Ta-181

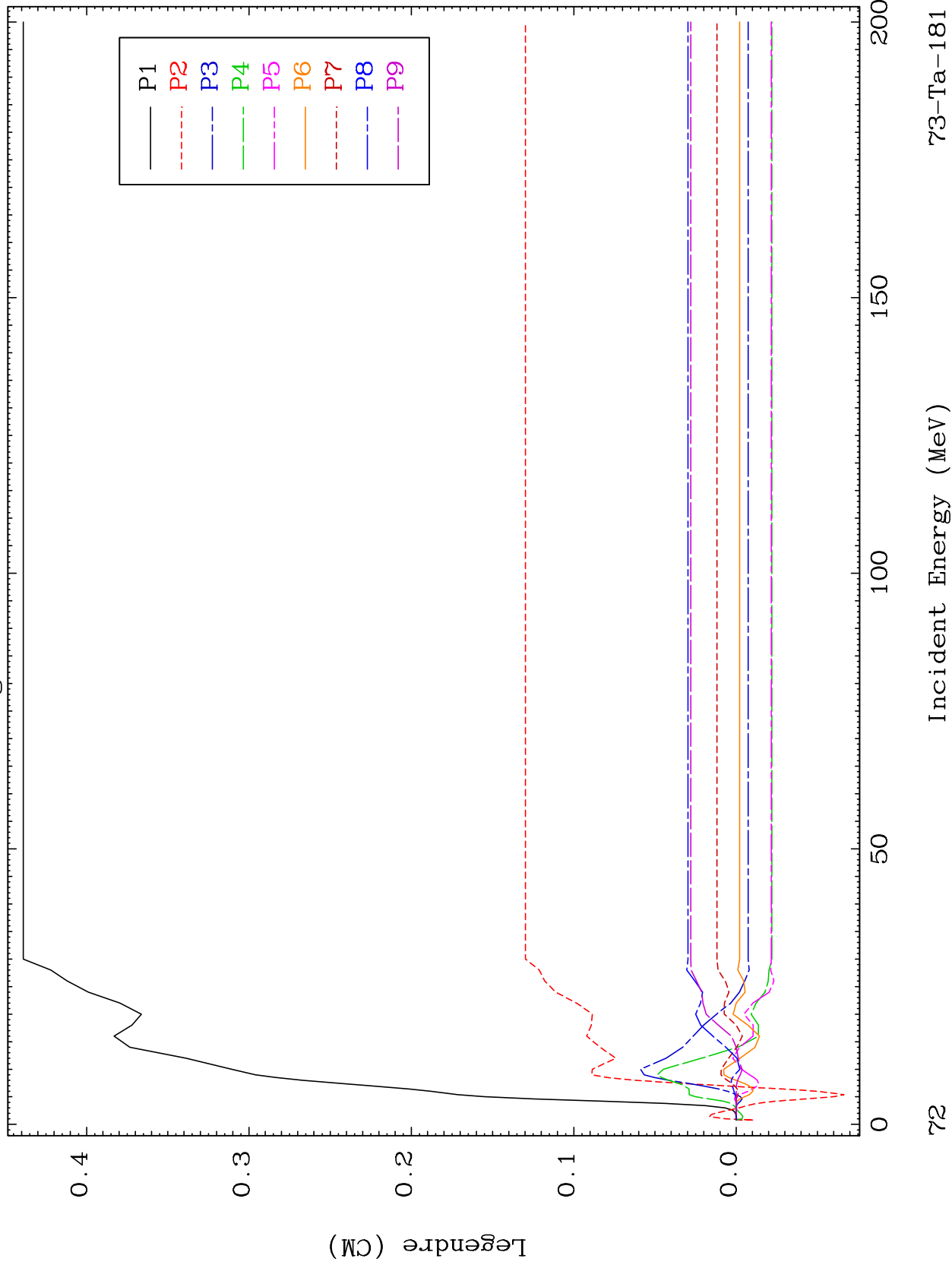




MAT 7328

773.0 keV (n,n') Level
Legendre Coefficients

73-Ta-181



73-Ta-181

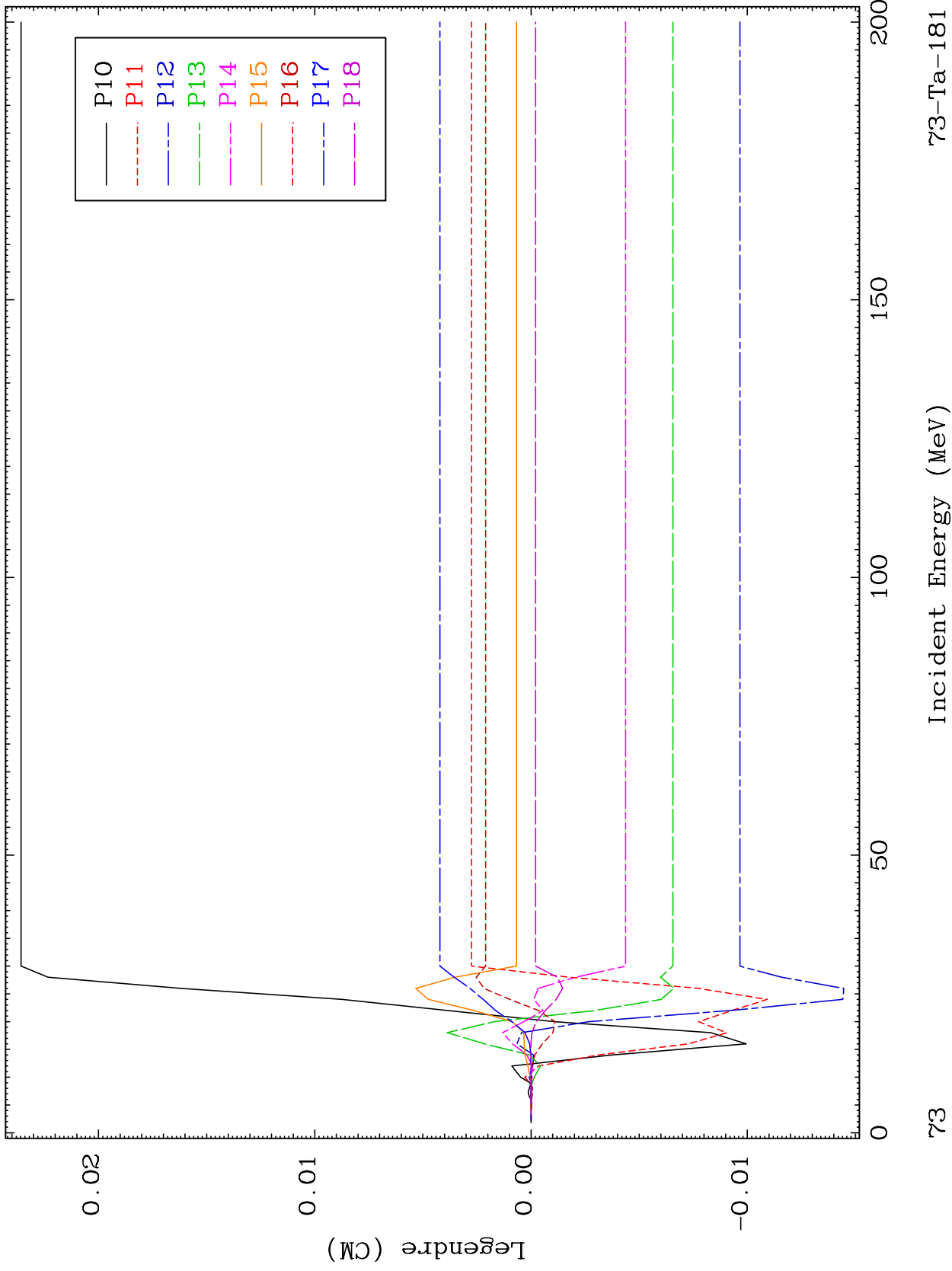
Incident Energy (MeV)

72

MAT 7328

773.0 keV (n,n') Level
Legendre Coefficients

73-Ta-181



73

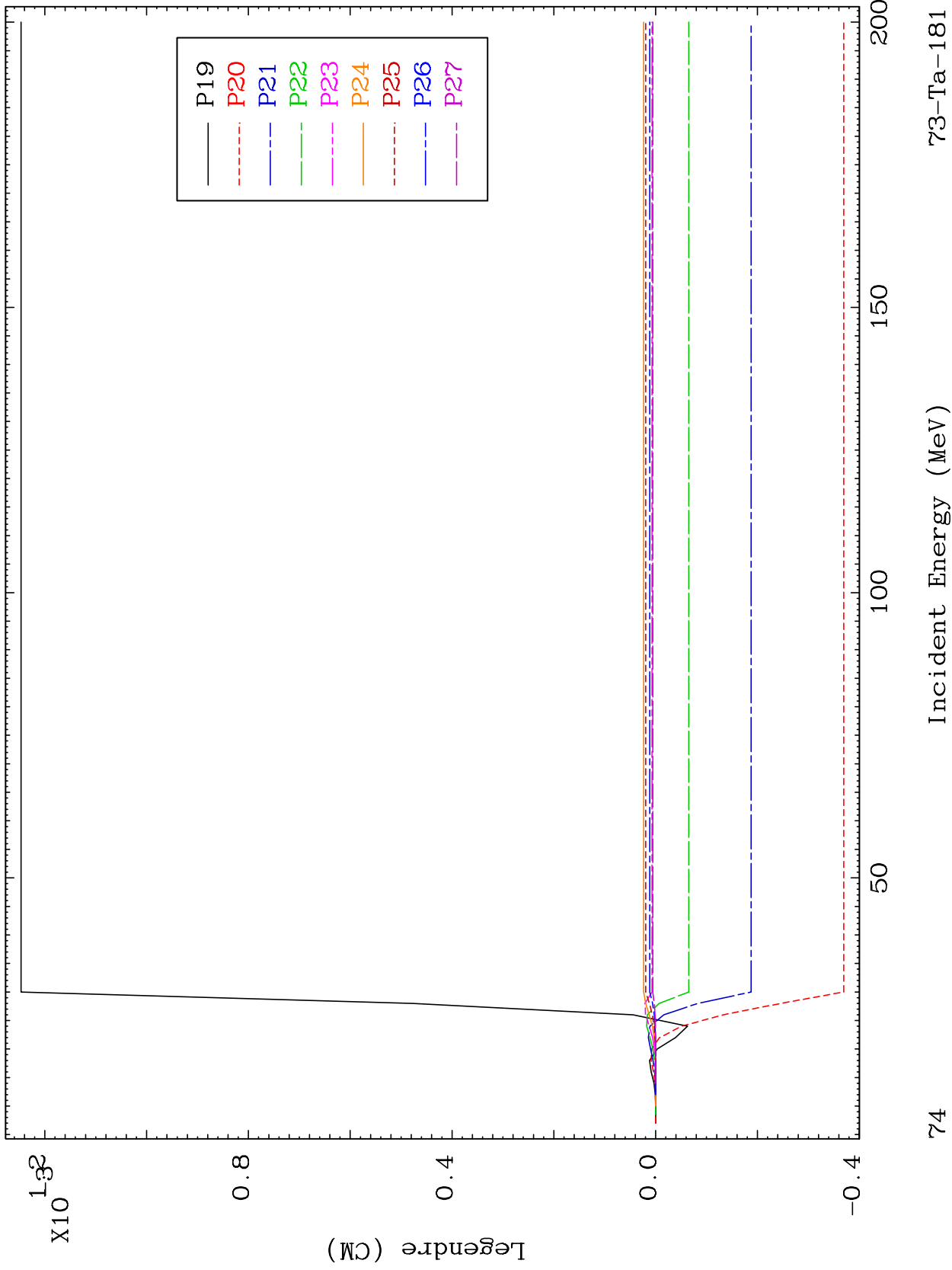
Incident Energy (MeV)

73-Ta-181

MAT 7328

773.0 keV (n,n') Level
Legendre Coefficients

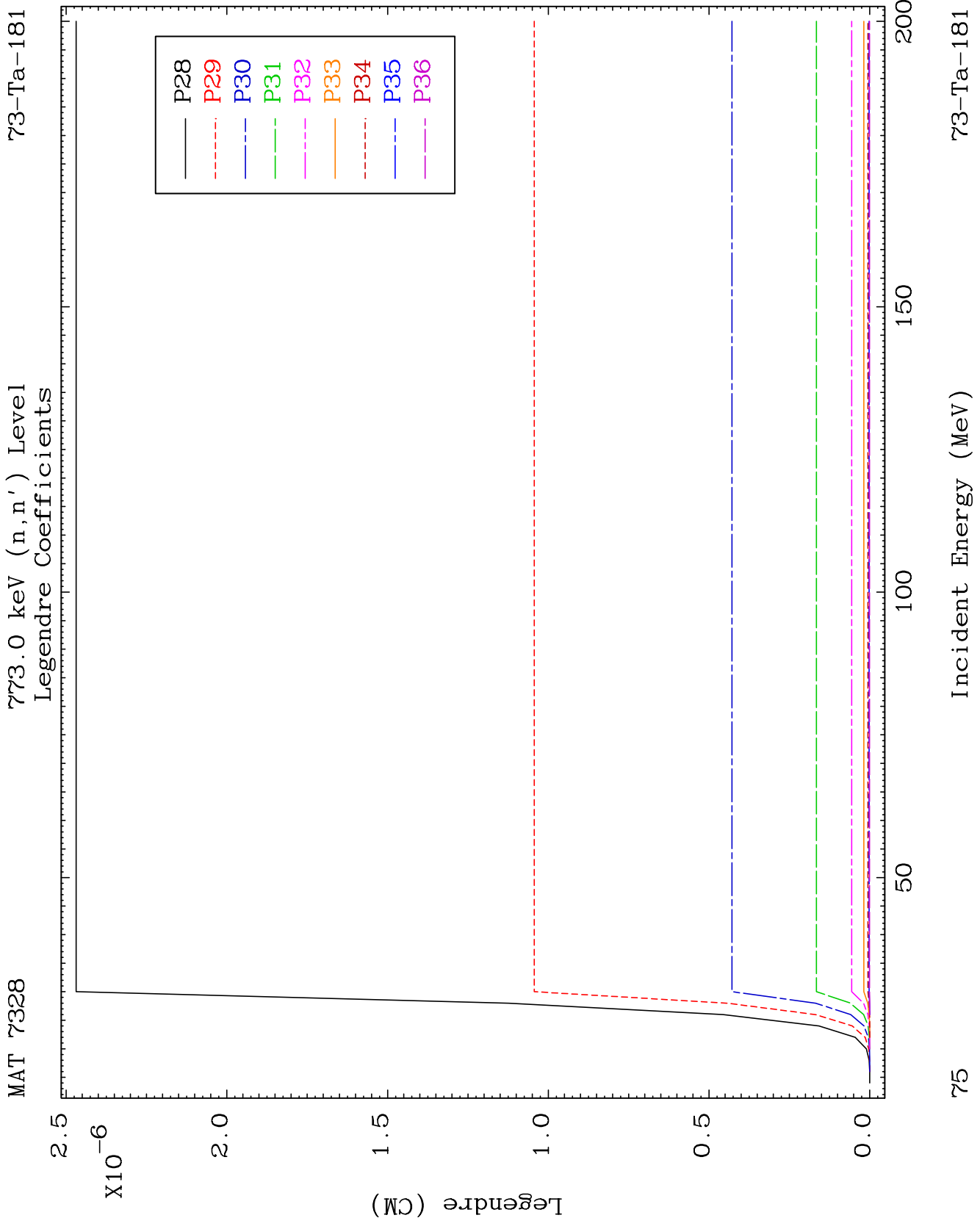
73-Ta-181

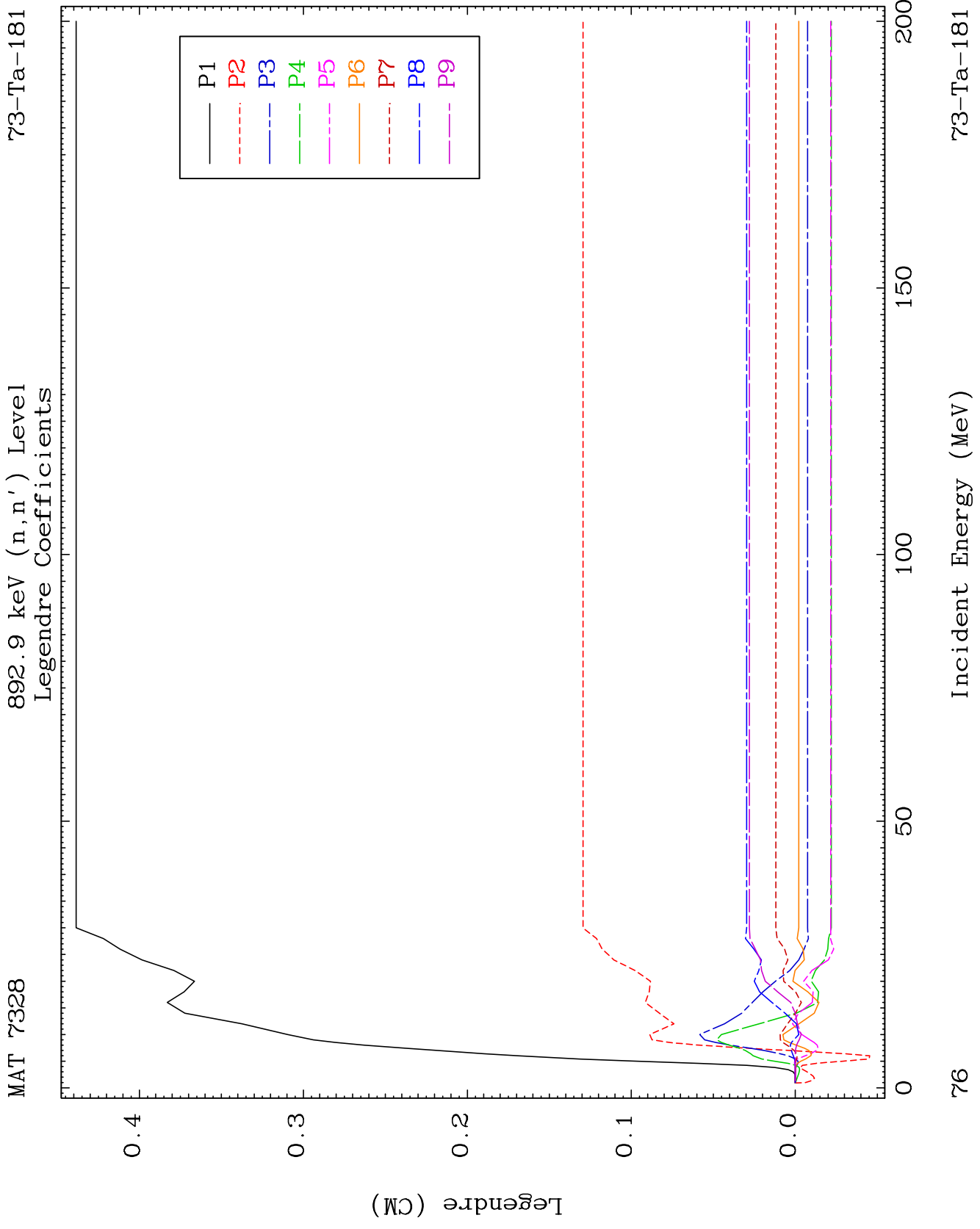


74

Incident Energy (MeV)

73-Ta-181

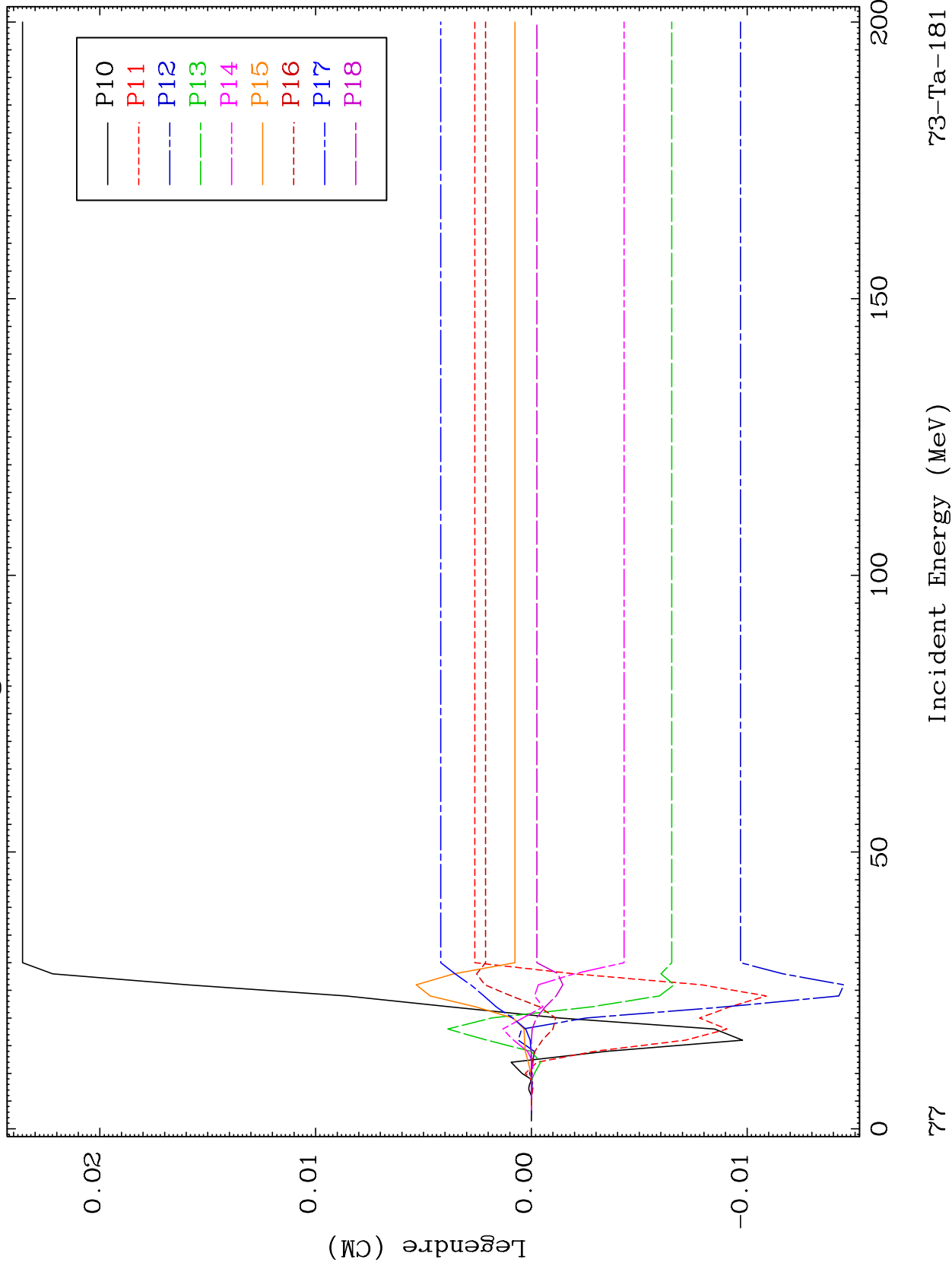




MAT 7328

892.9 keV (n,n') Level
Legendre Coefficients

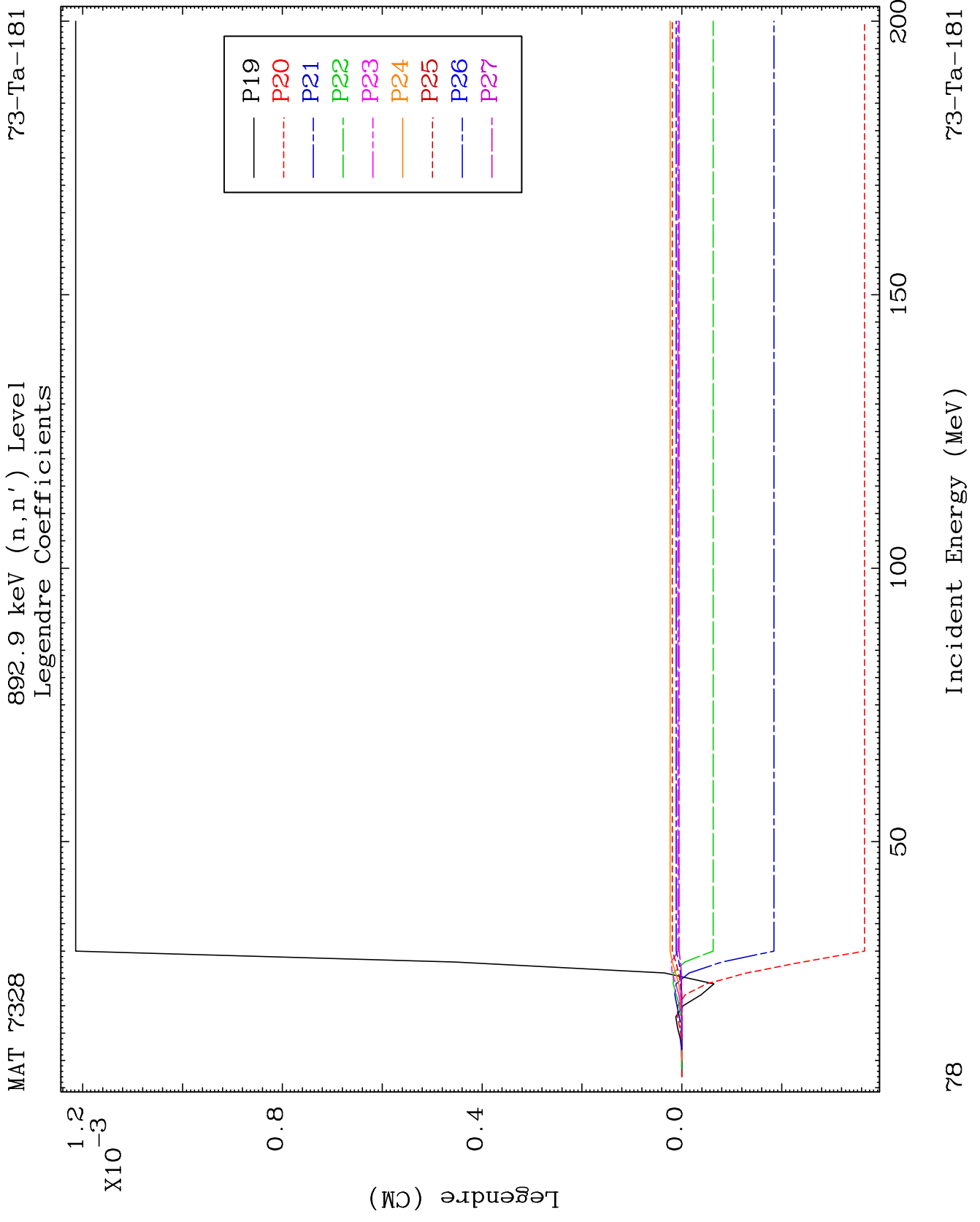
73-Ta-181



73-Ta-181

Incident Energy (MeV)

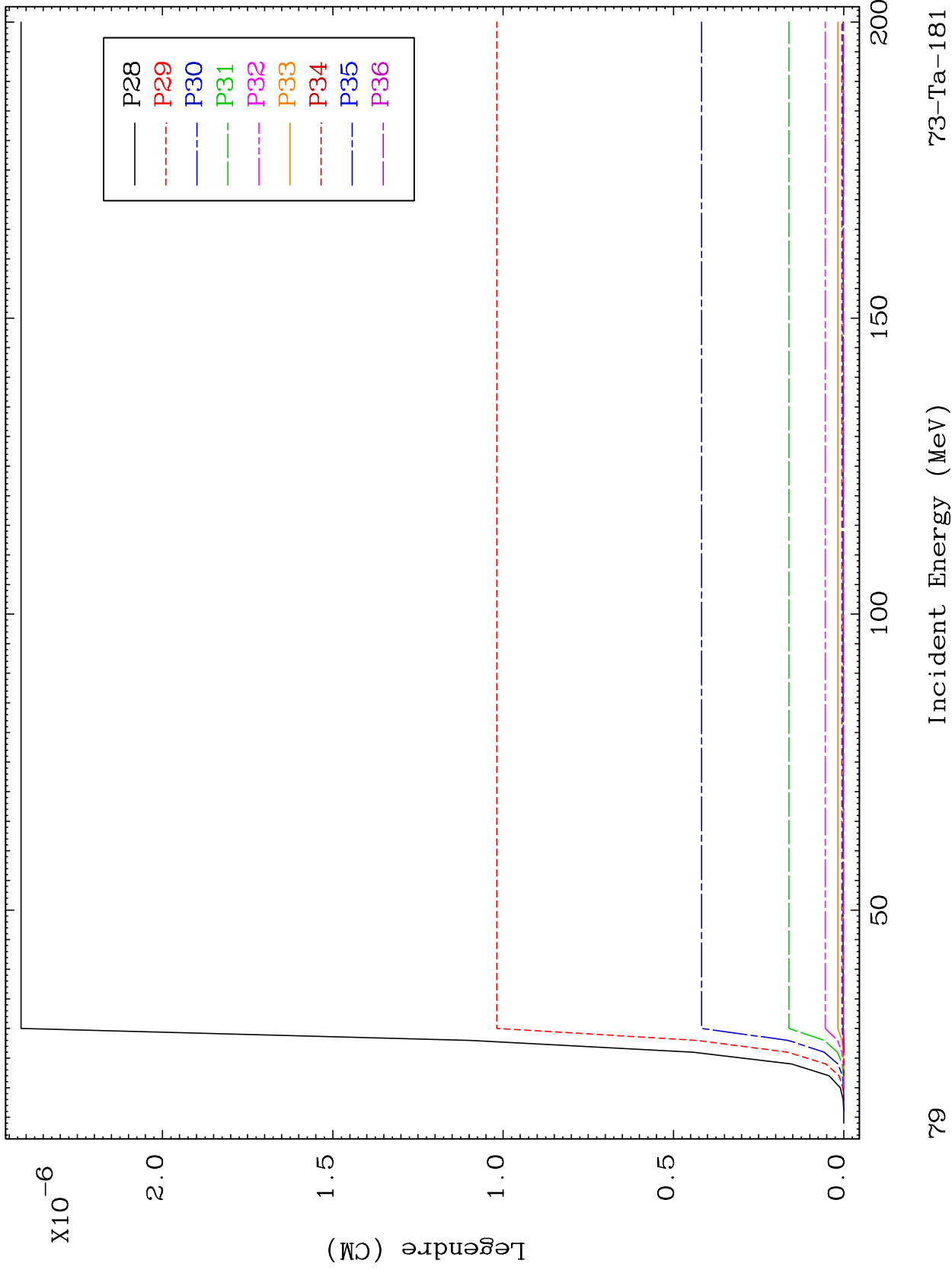
77



MAT 7328

892.9 keV (n, n') Level
Legendre Coefficients

73-Ta-181

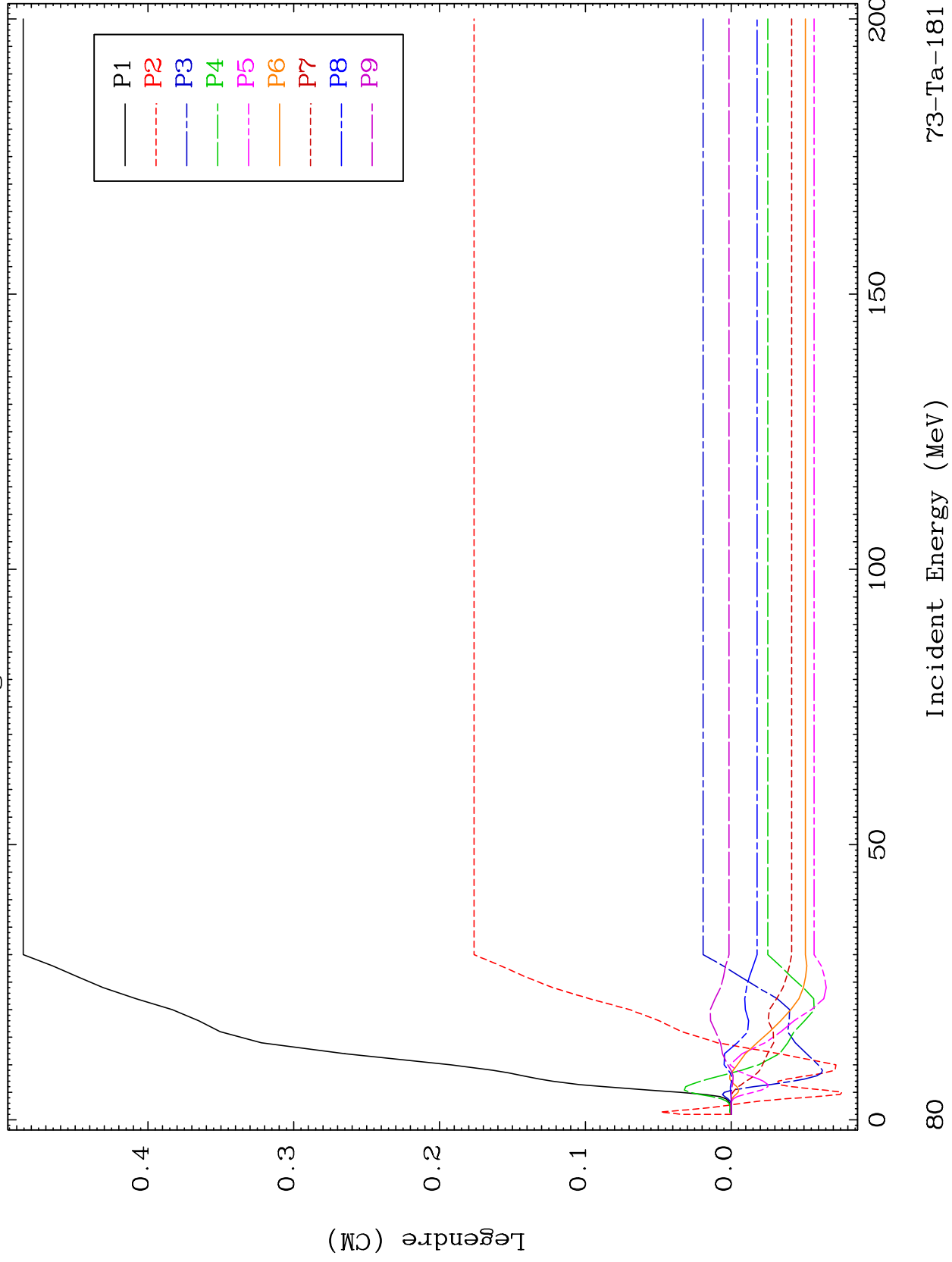


79

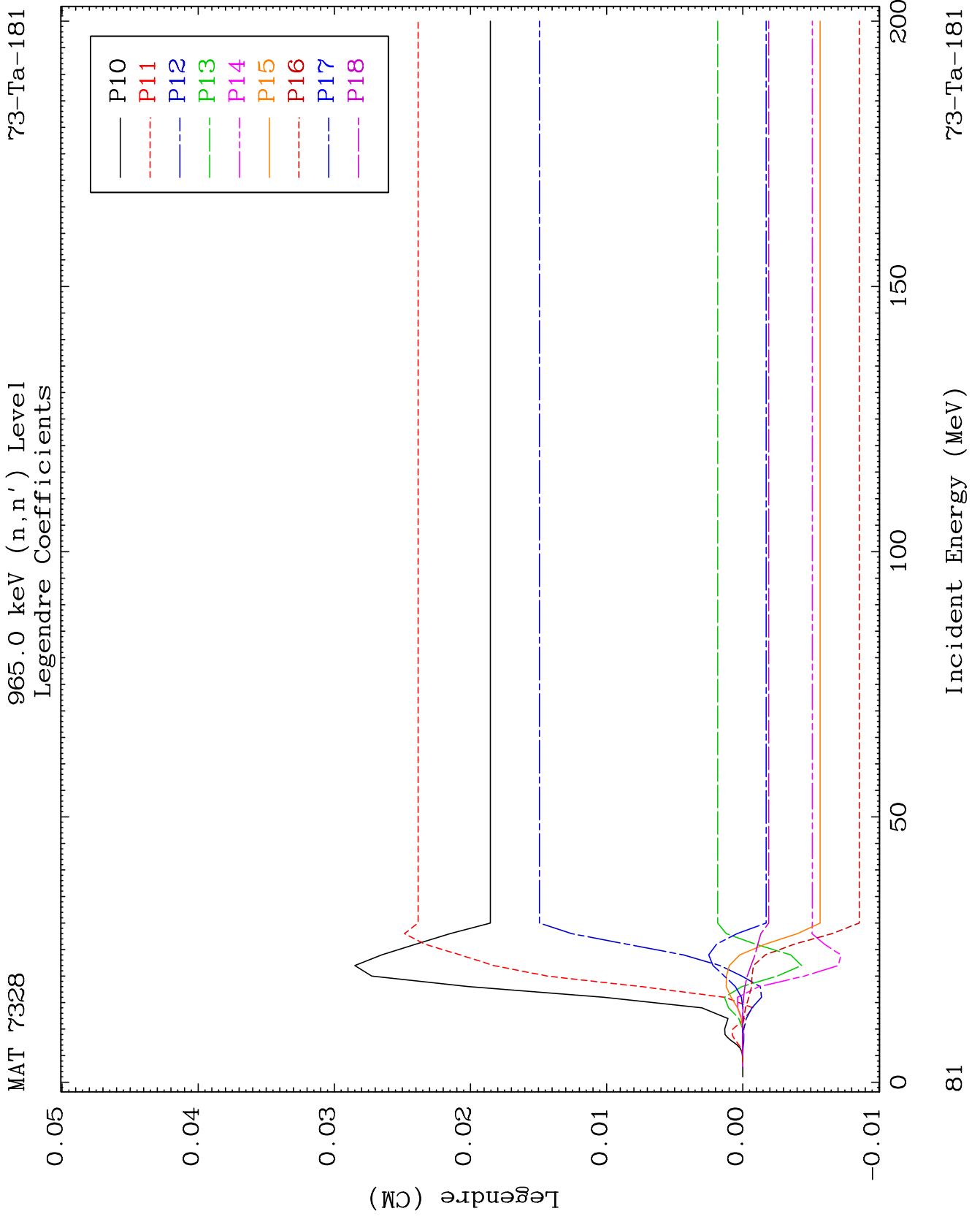
MAT 7328

965.0 keV (n,n') Level
Legendre Coefficients

73-Ta-181



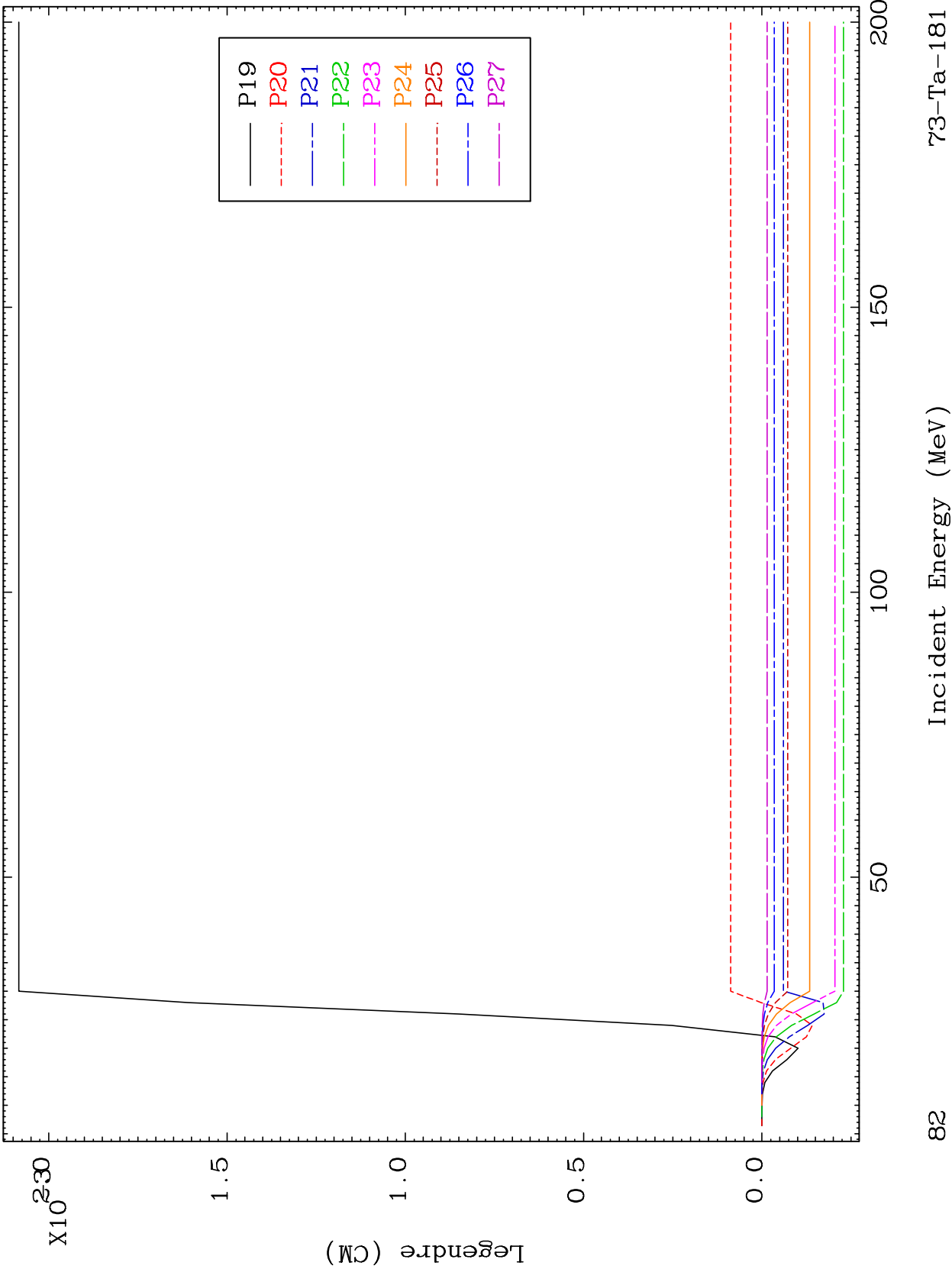
73-Ta-181



MAT 7328

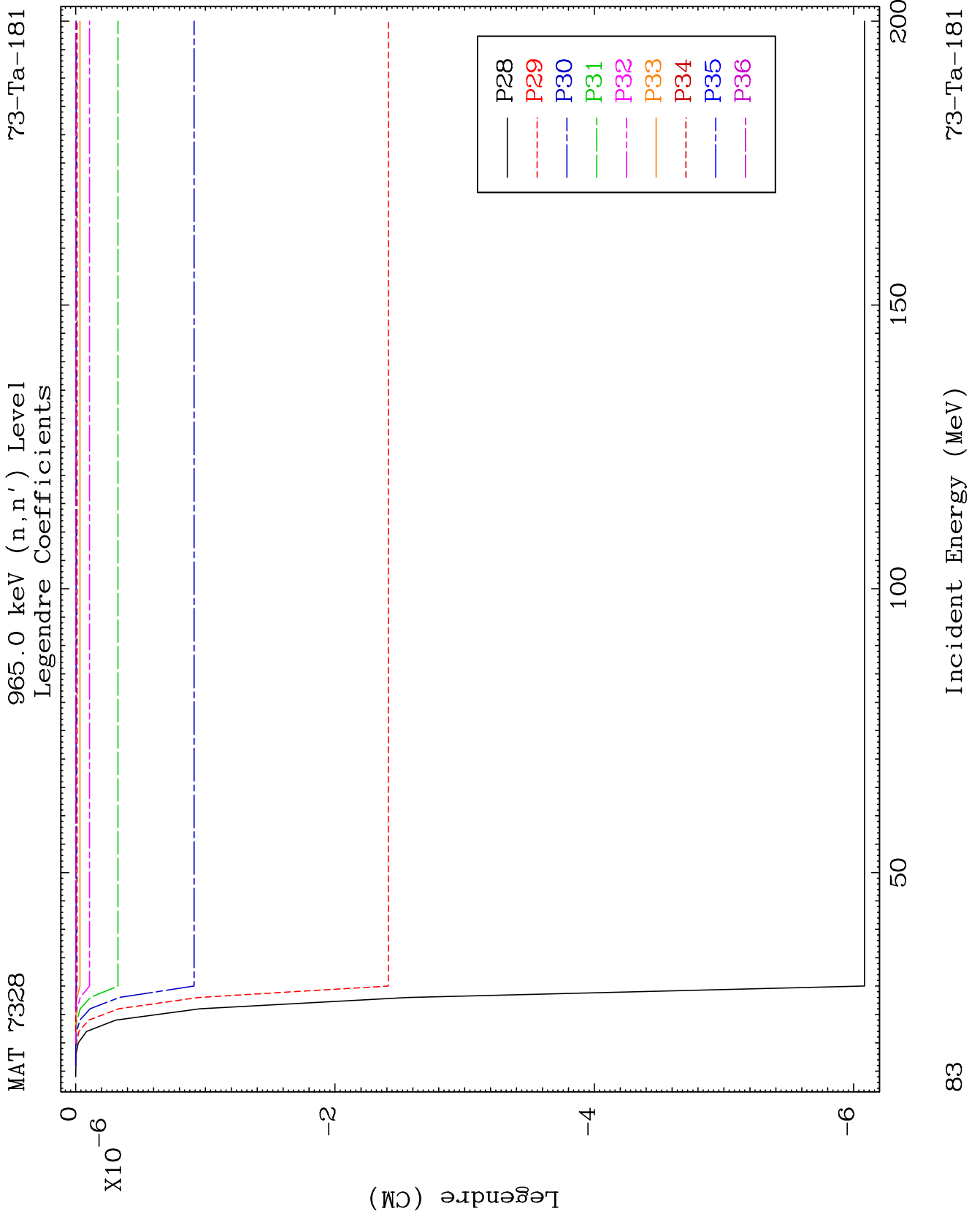
965.0 keV (n,n') Level
Legendre Coefficients

73-Ta-181



82

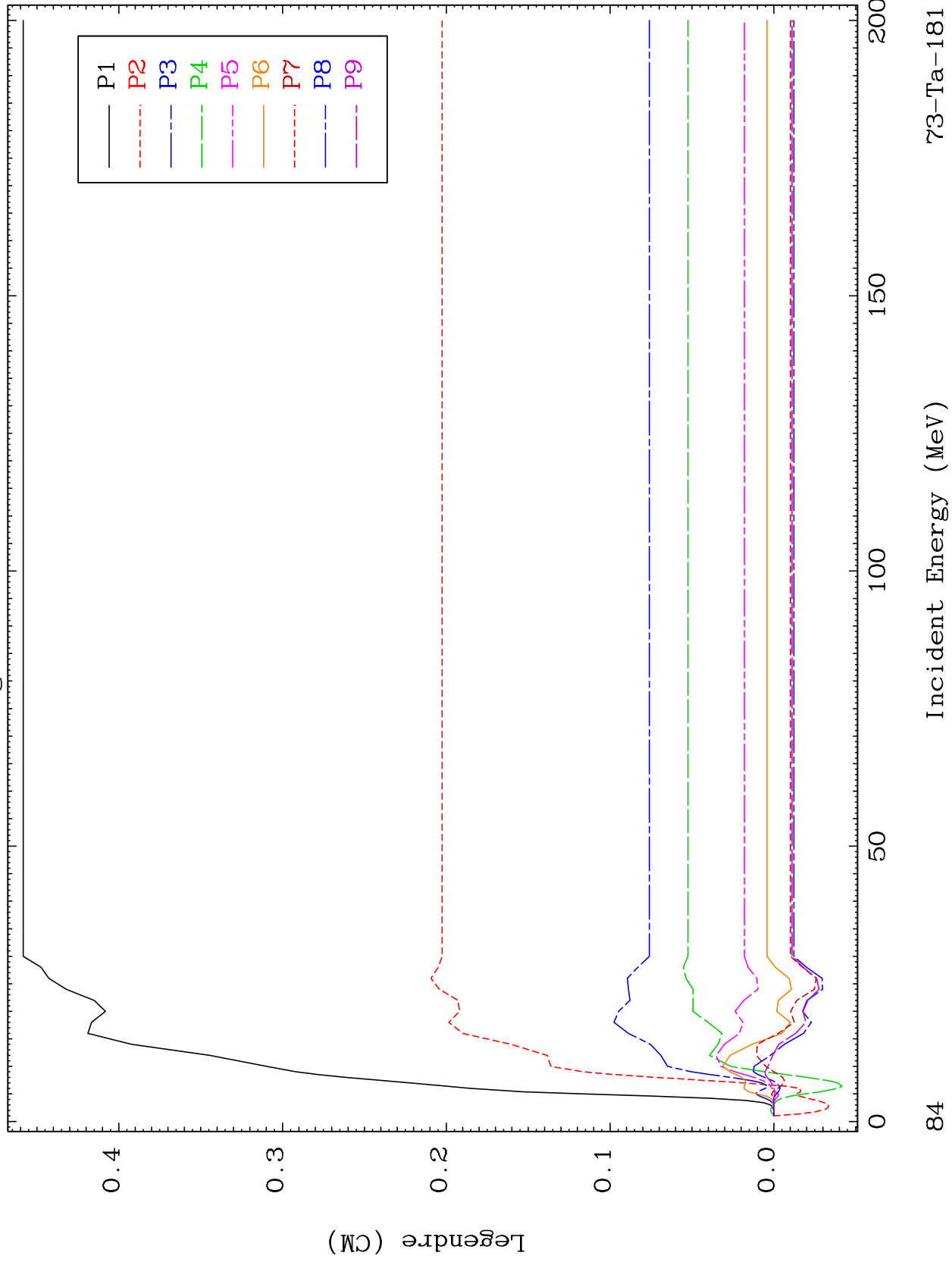
73-Ta-181



MAT 7328

993.7 keV (n,n') Level
Legendre Coefficients

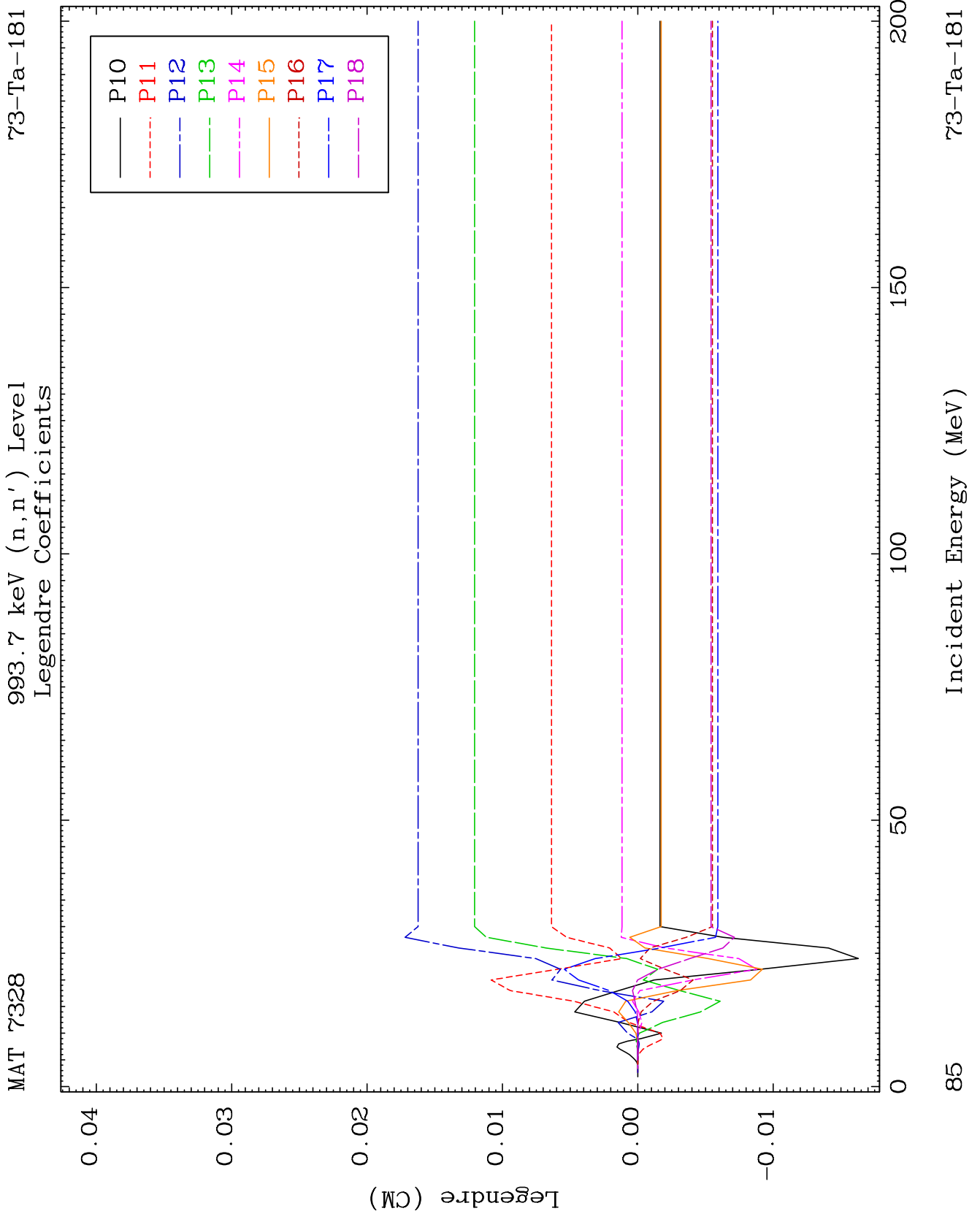
73-Ta-181

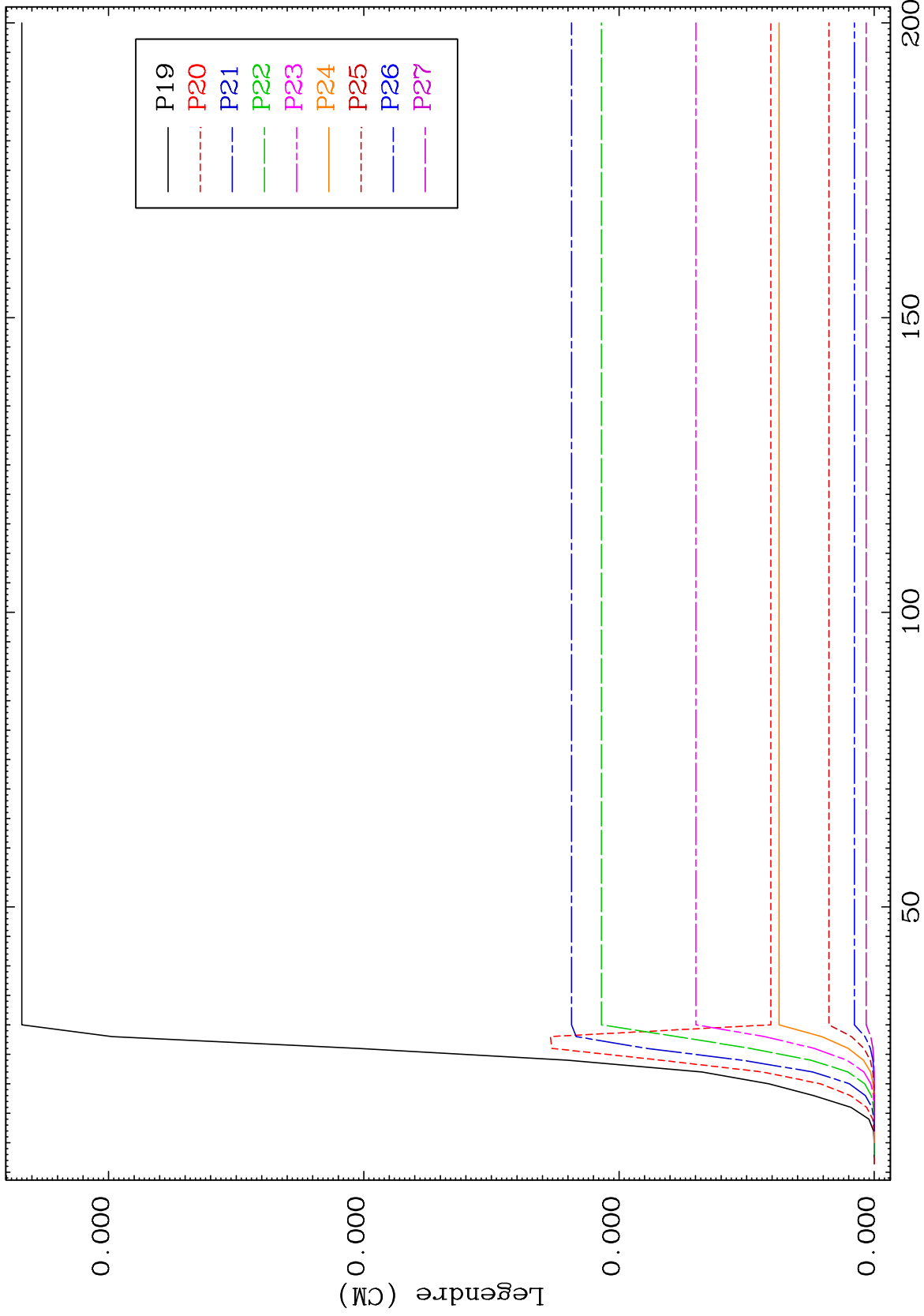


84

Incident Energy (MeV)

73-Ta-181

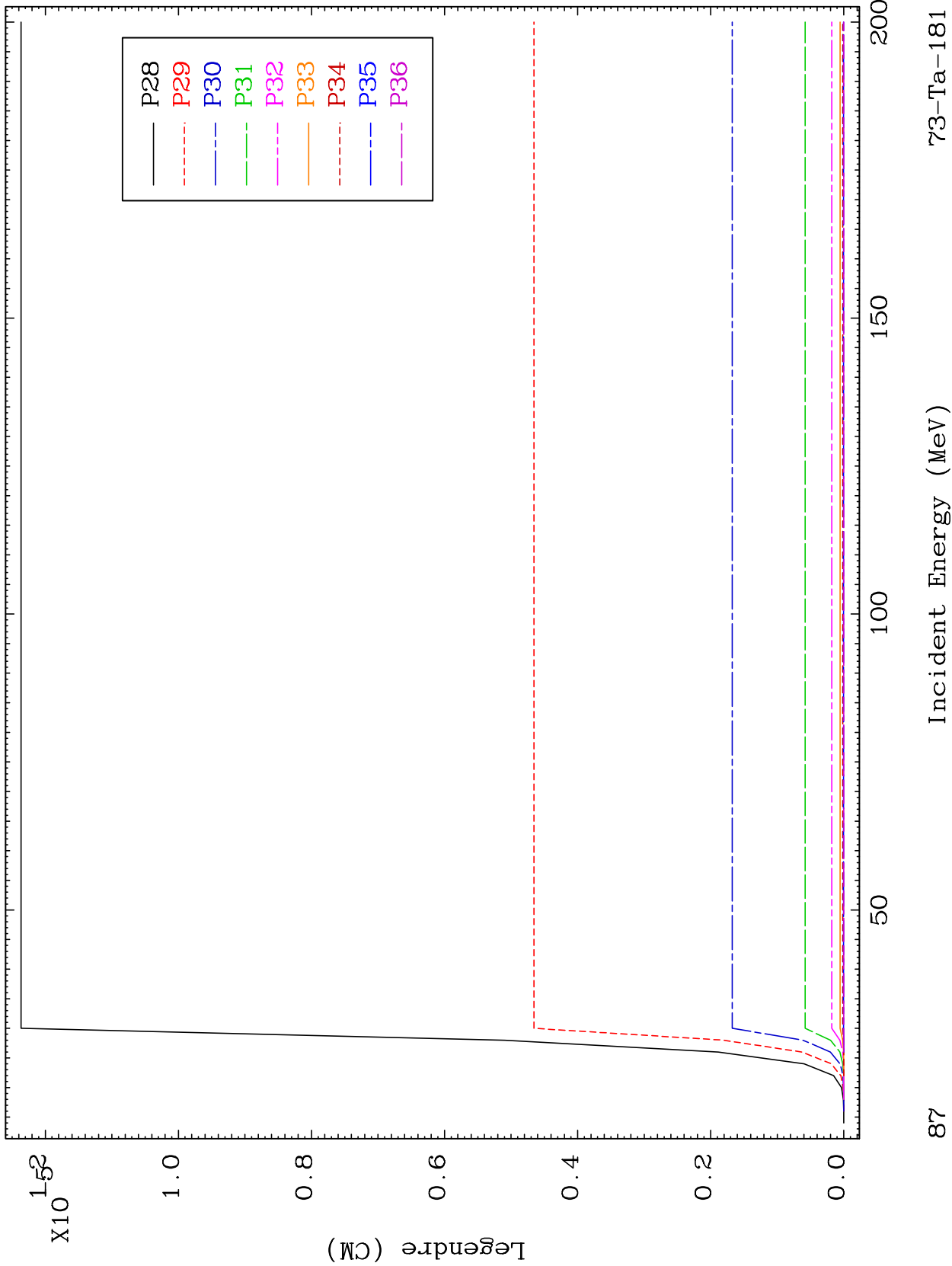




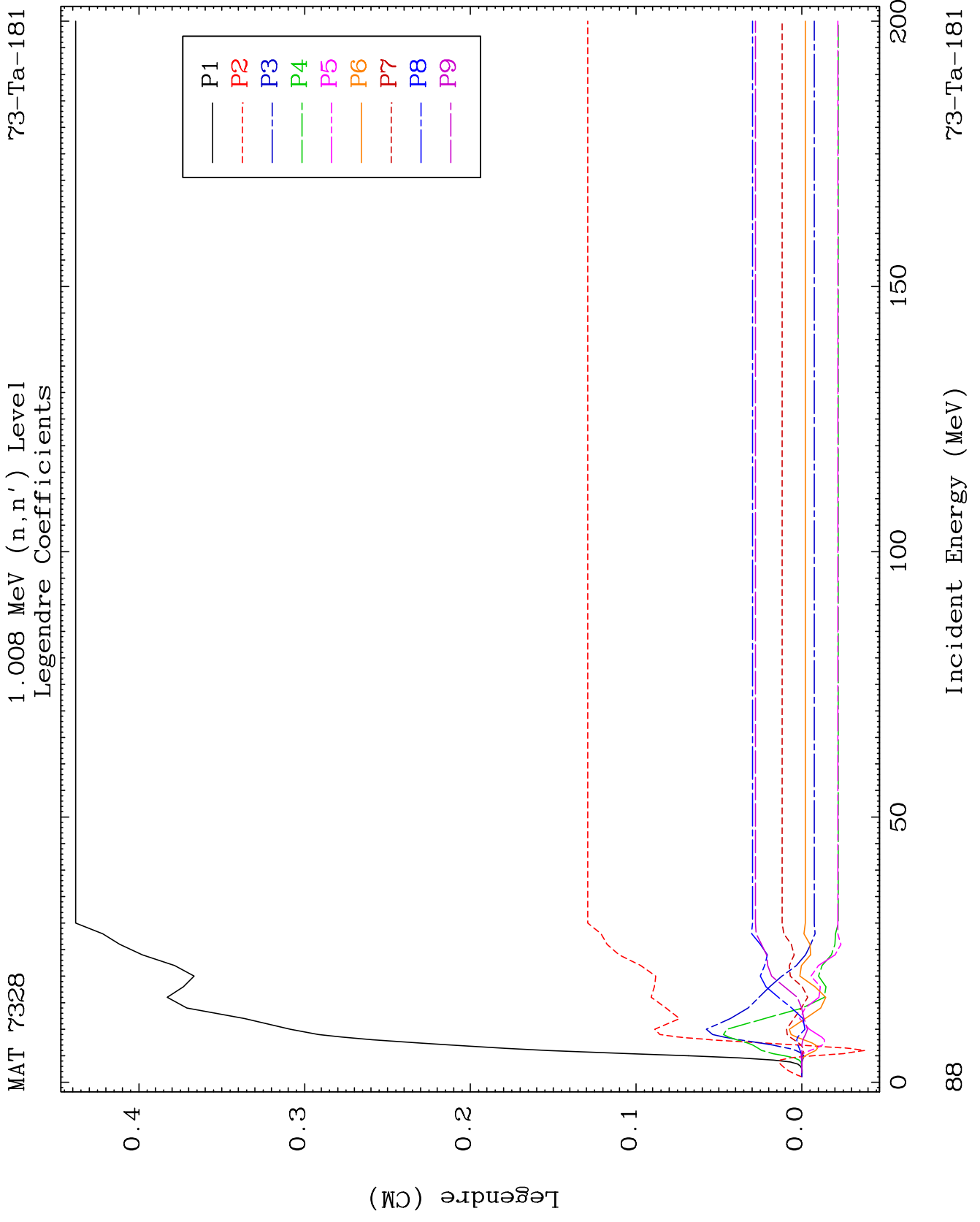
MAT 7328

993.7 keV (n,n') Level
Legendre Coefficients

73-Ta-181



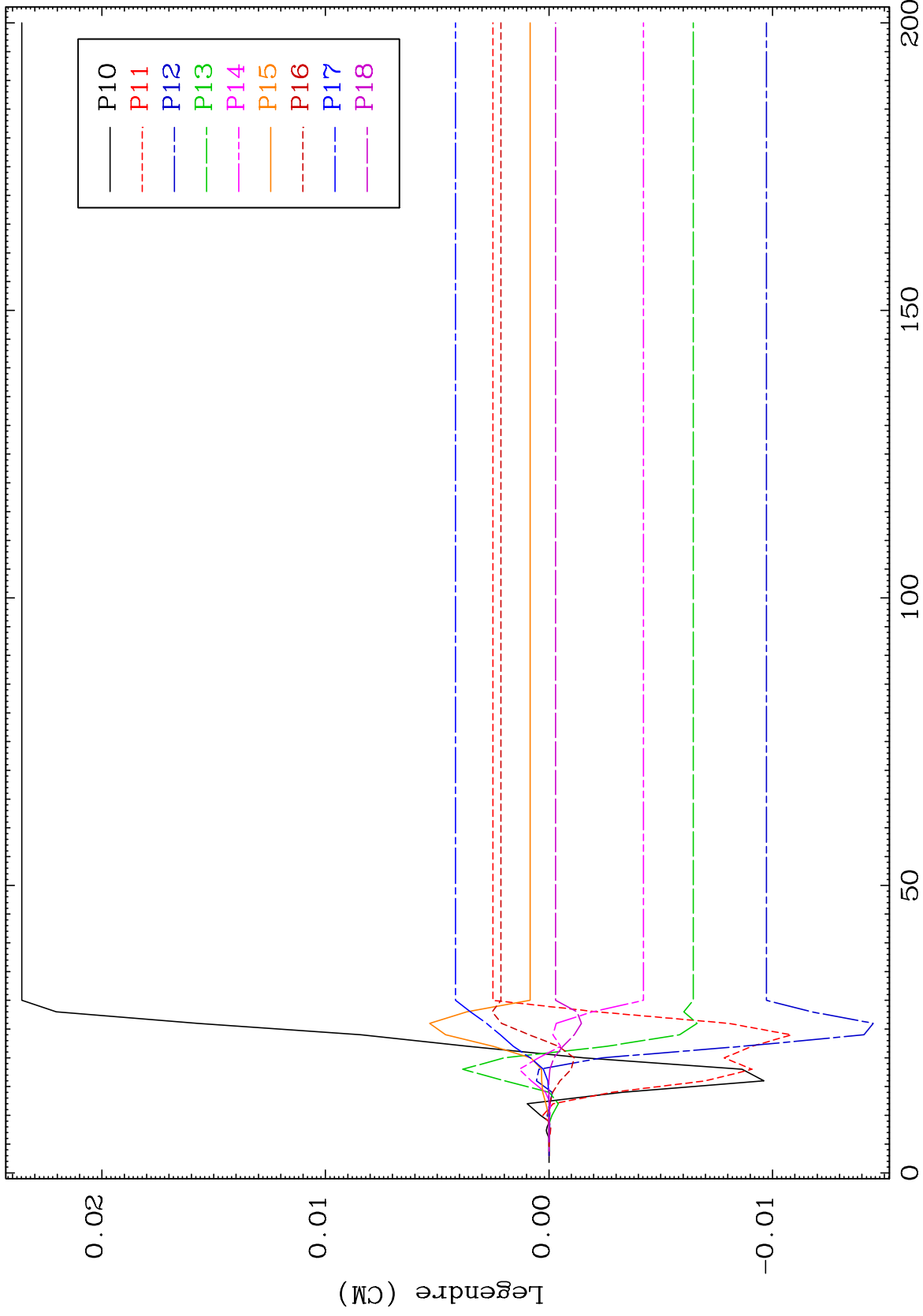
87



MAT 7328

1.008 MeV (n,n') Level
Legendre Coefficients

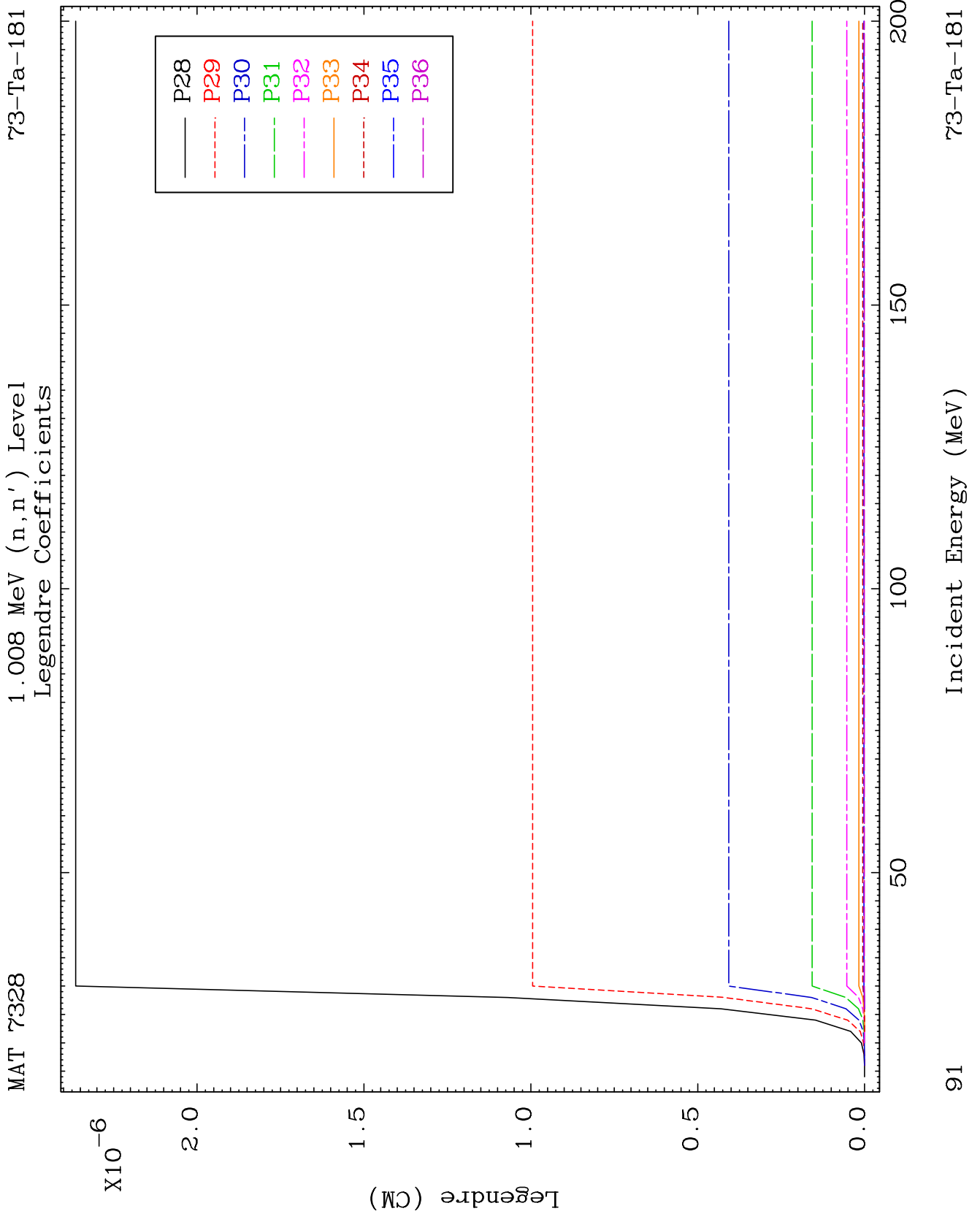
73-Ta-181



89

Incident Energy (MeV)

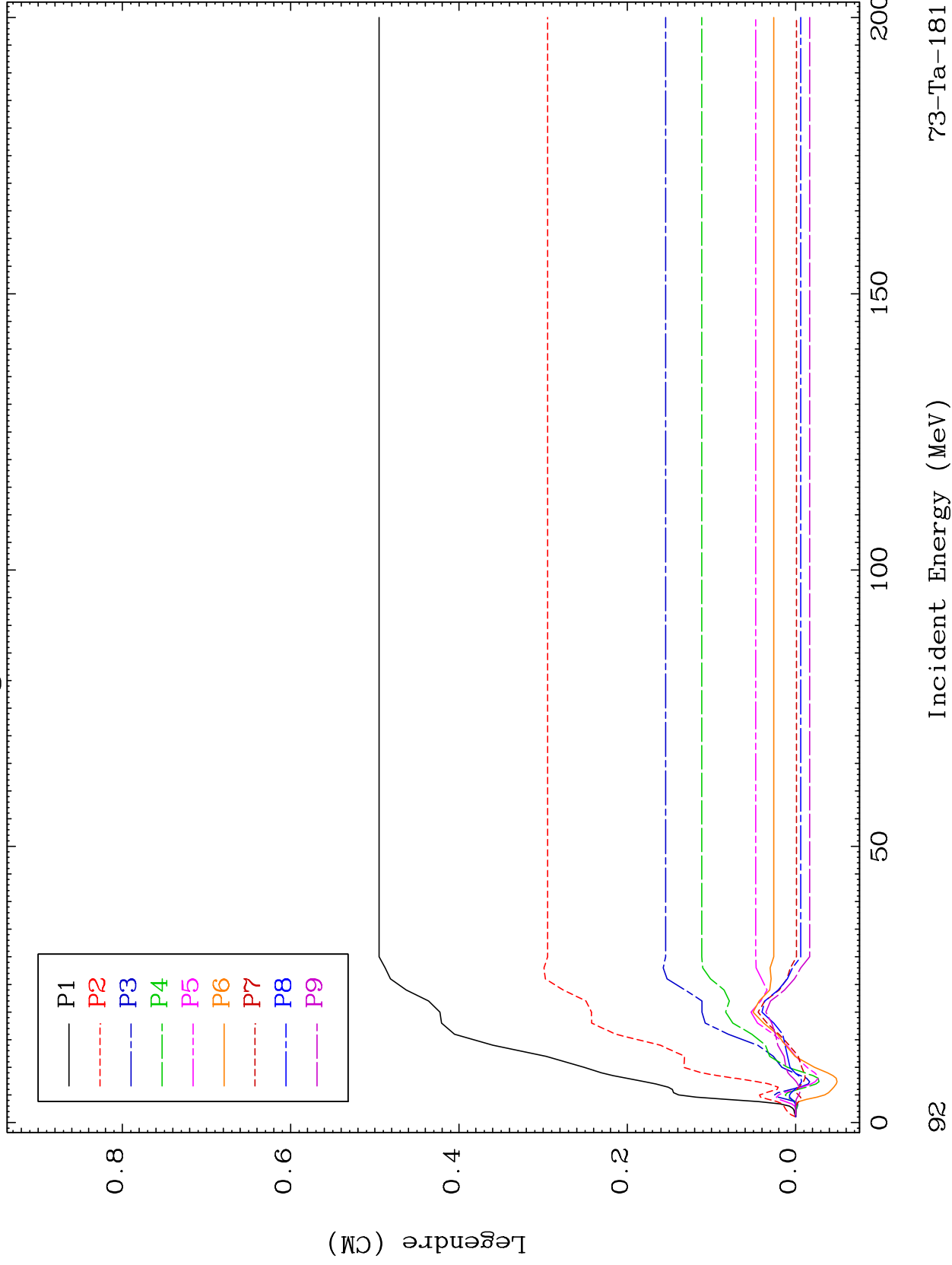
73-Ta-181



MAT 7328

1.023 MeV (n,n') Level
Legendre Coefficients

73-Ta-181



92

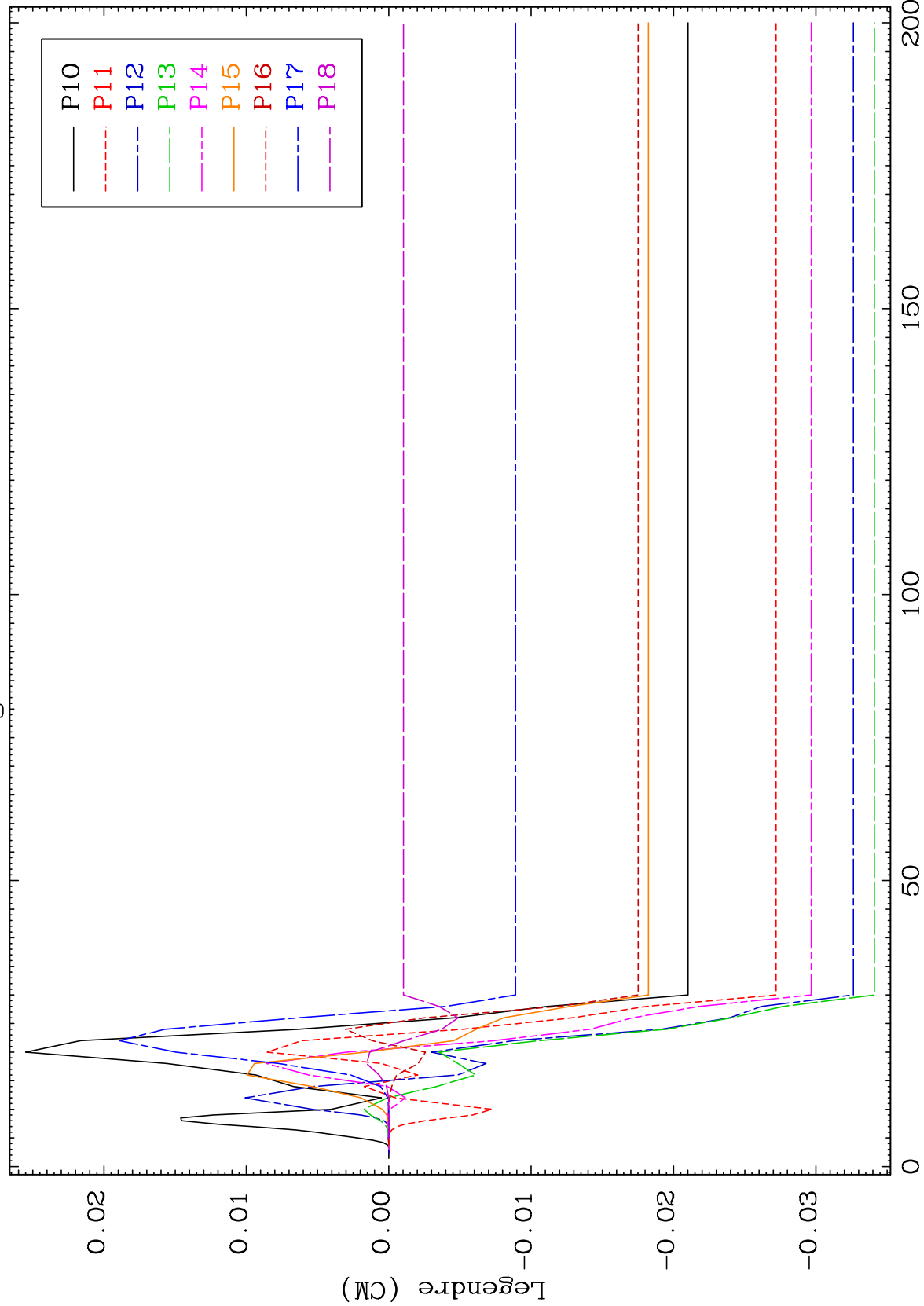
Incident Energy (MeV)

73-Ta-181

MAT 7328

1.023 MeV (n,n') Level
Legendre Coefficients

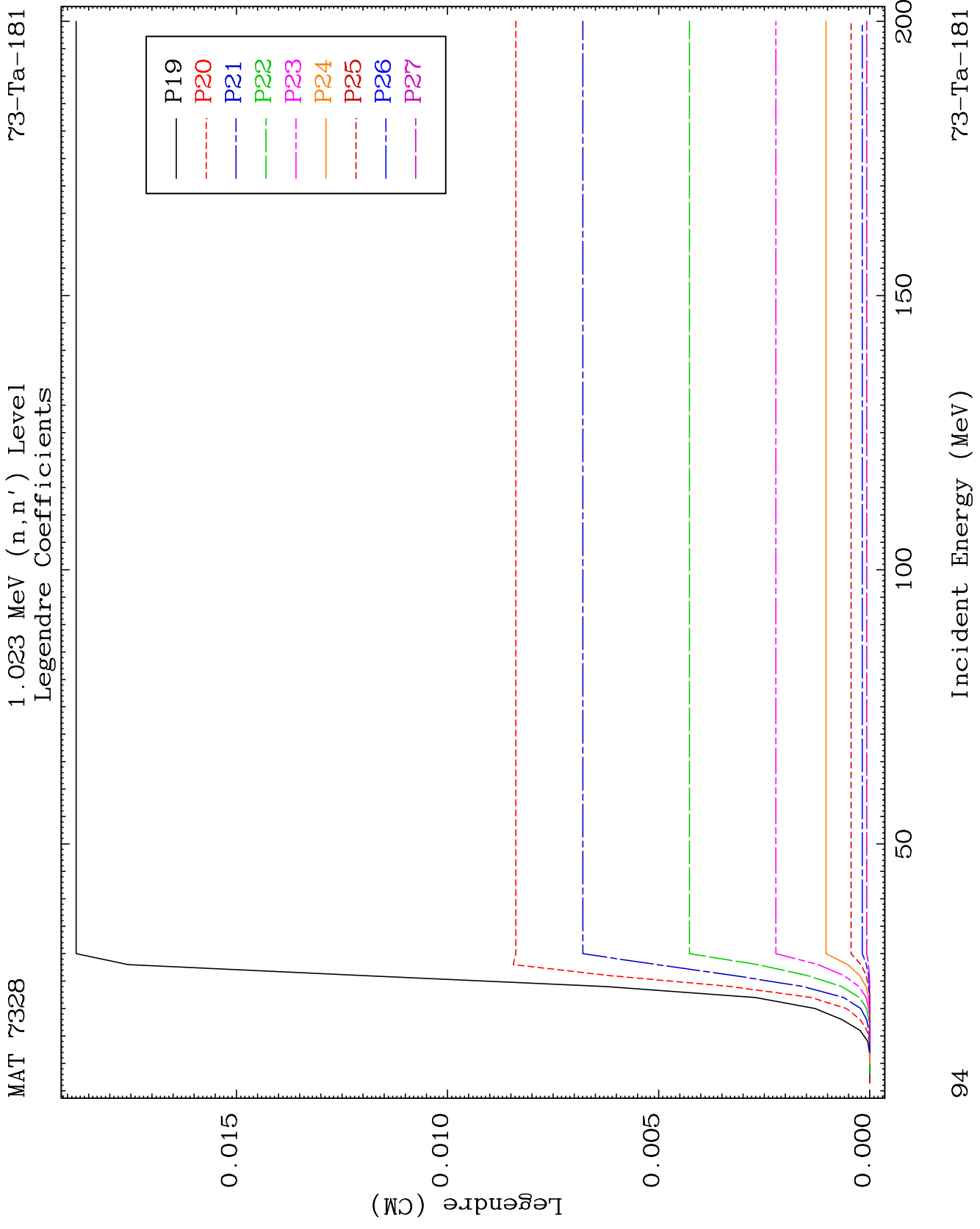
73-Ta-181

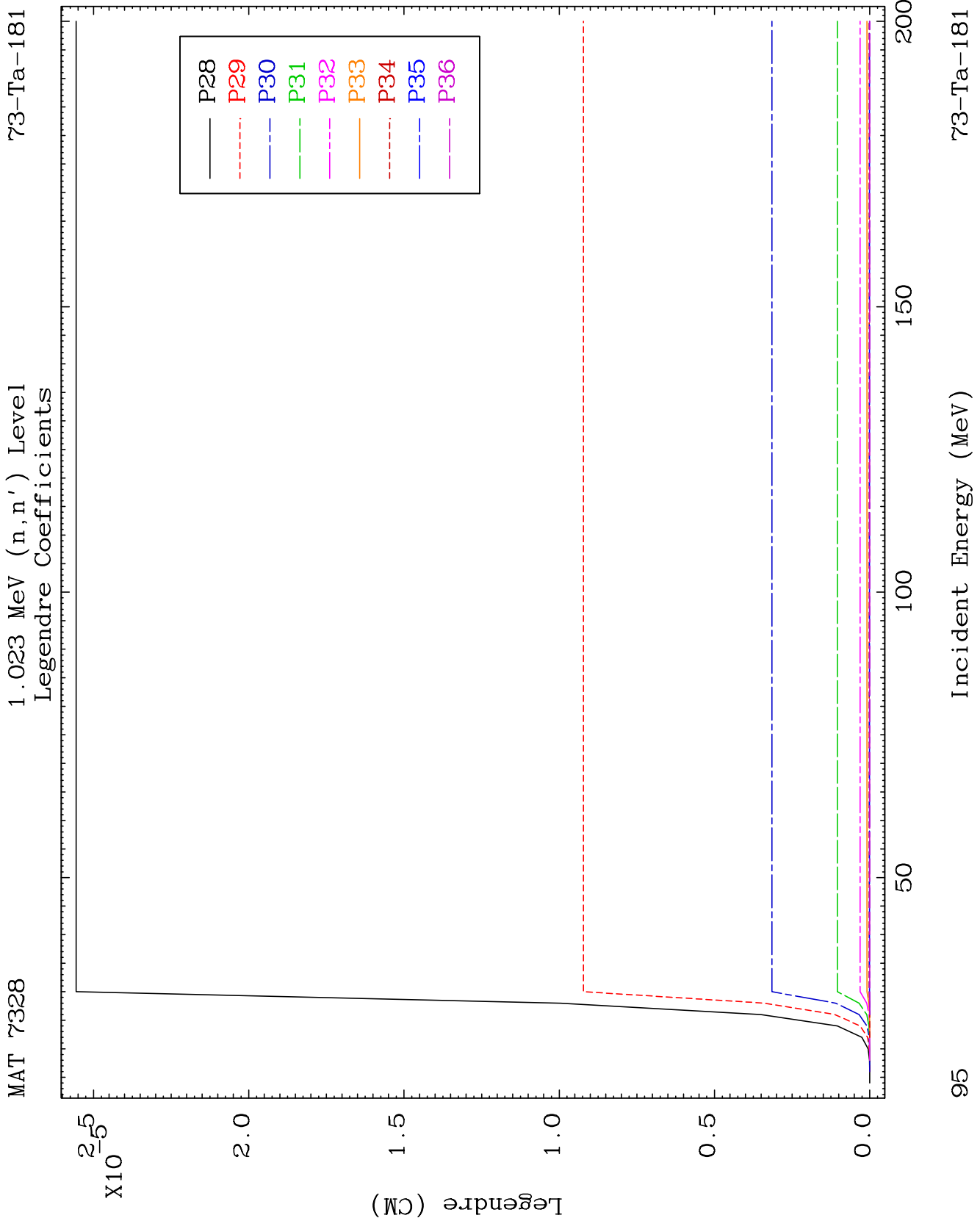


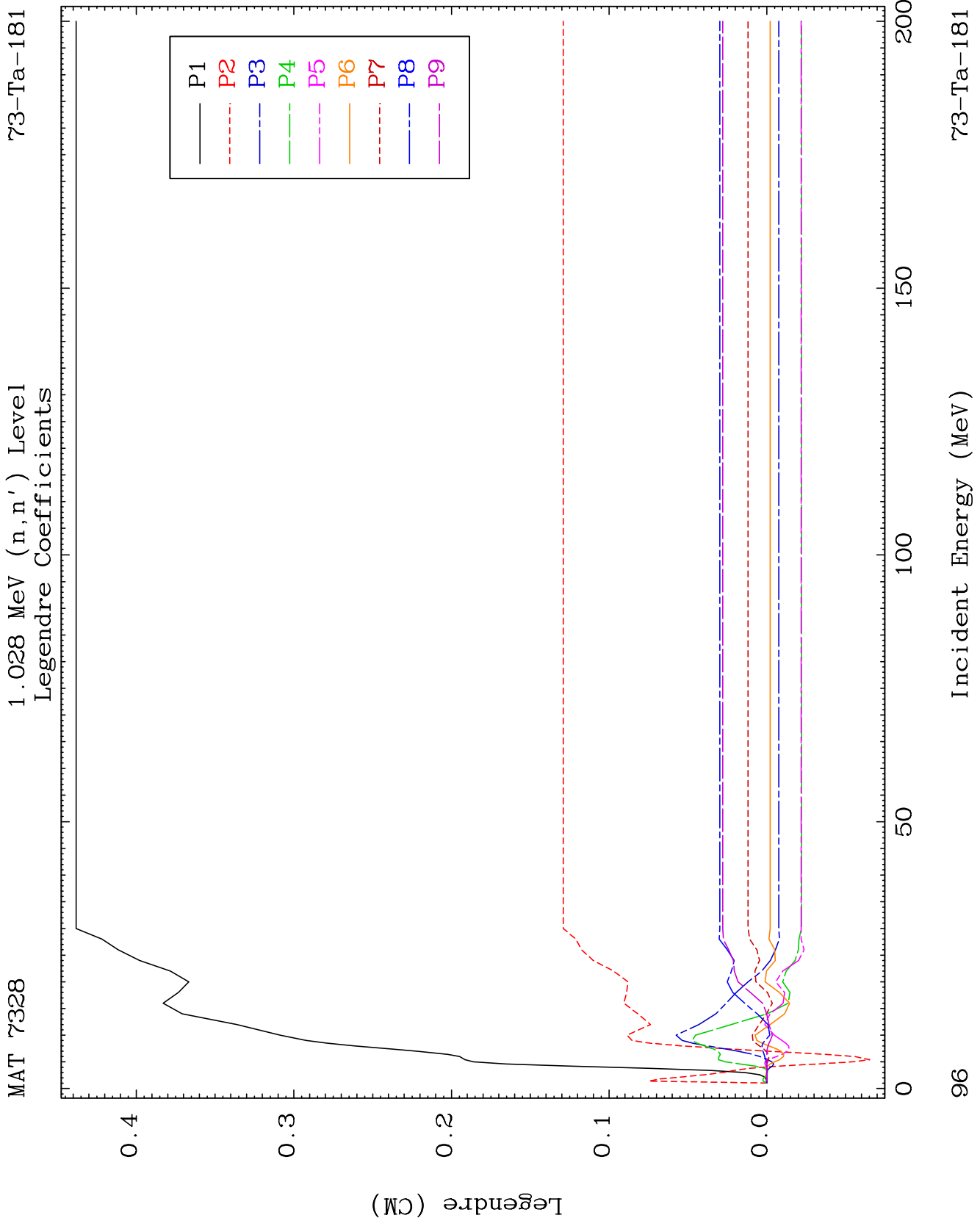
93

Incident Energy (MeV)

73-Ta-181



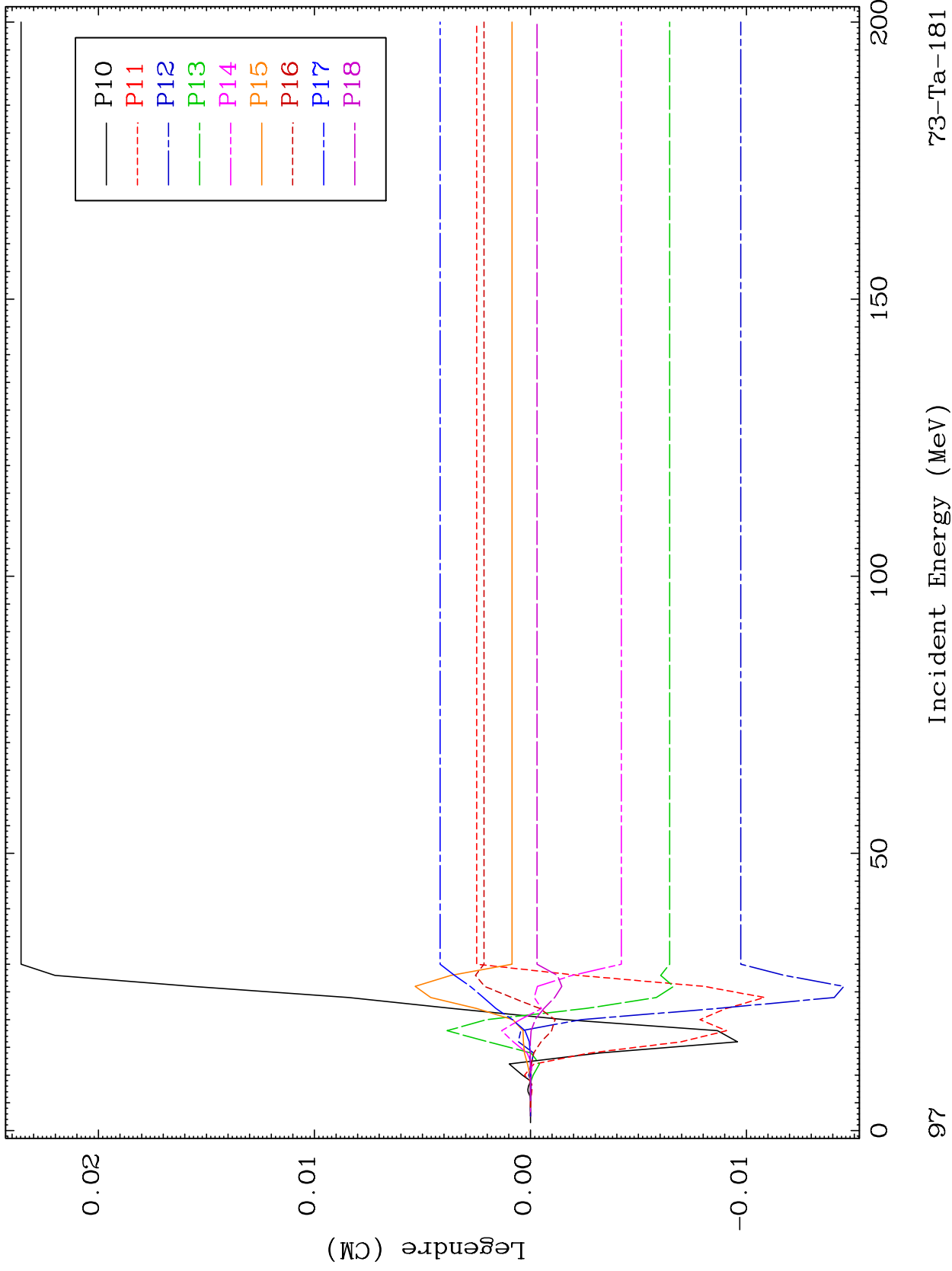




MAT 7328

1.028 MeV (n,n') Level
Legendre Coefficients

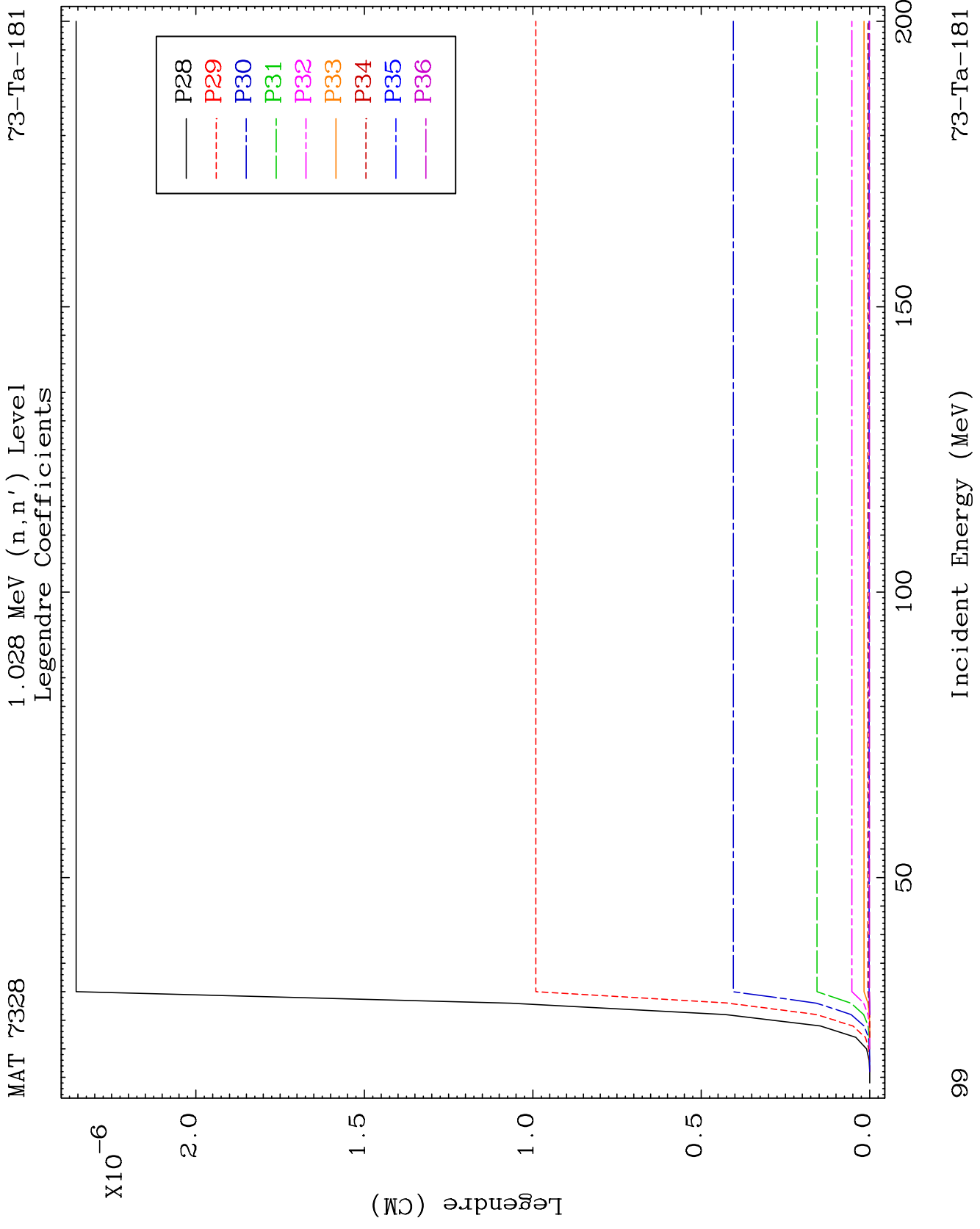
73-Ta-181

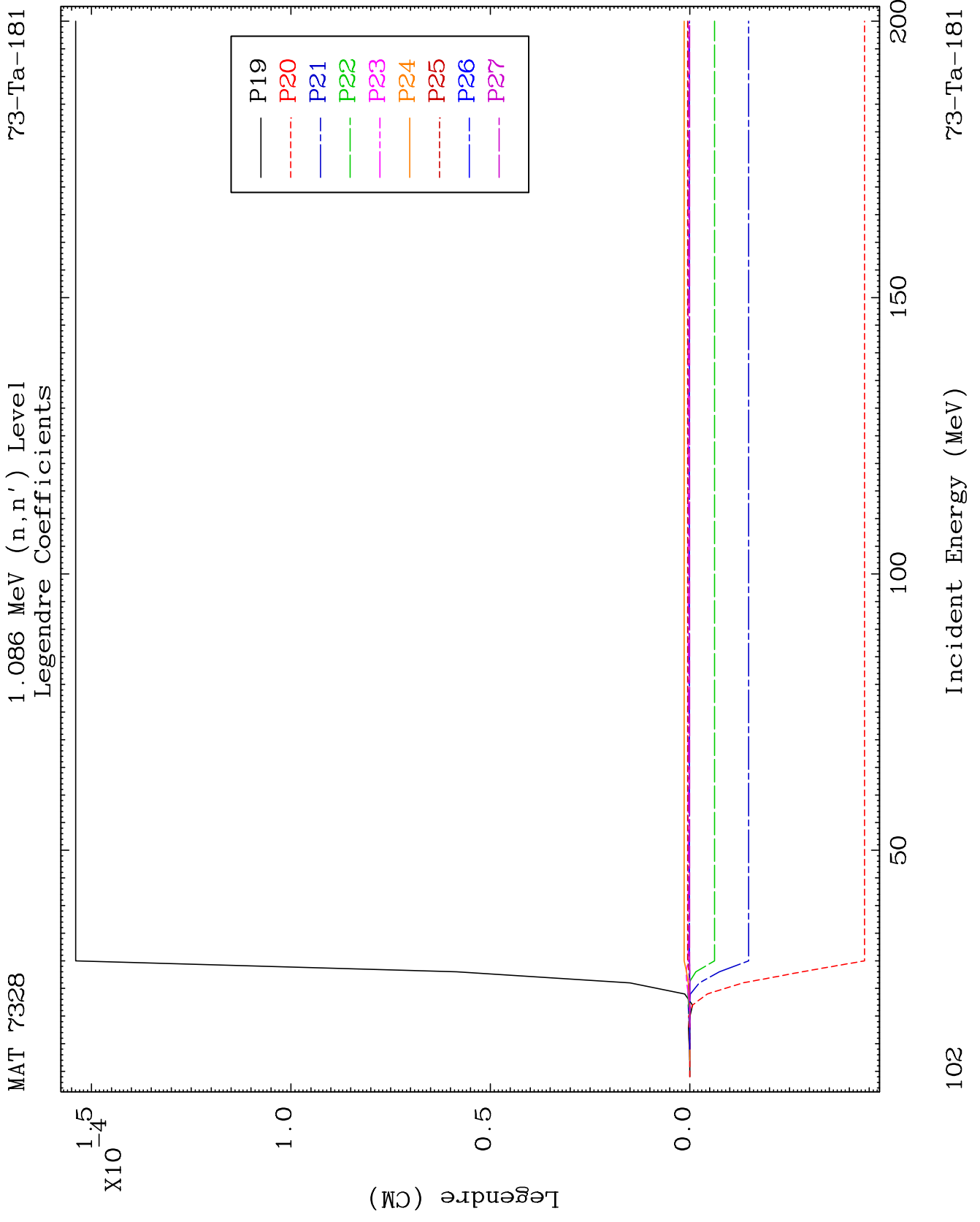


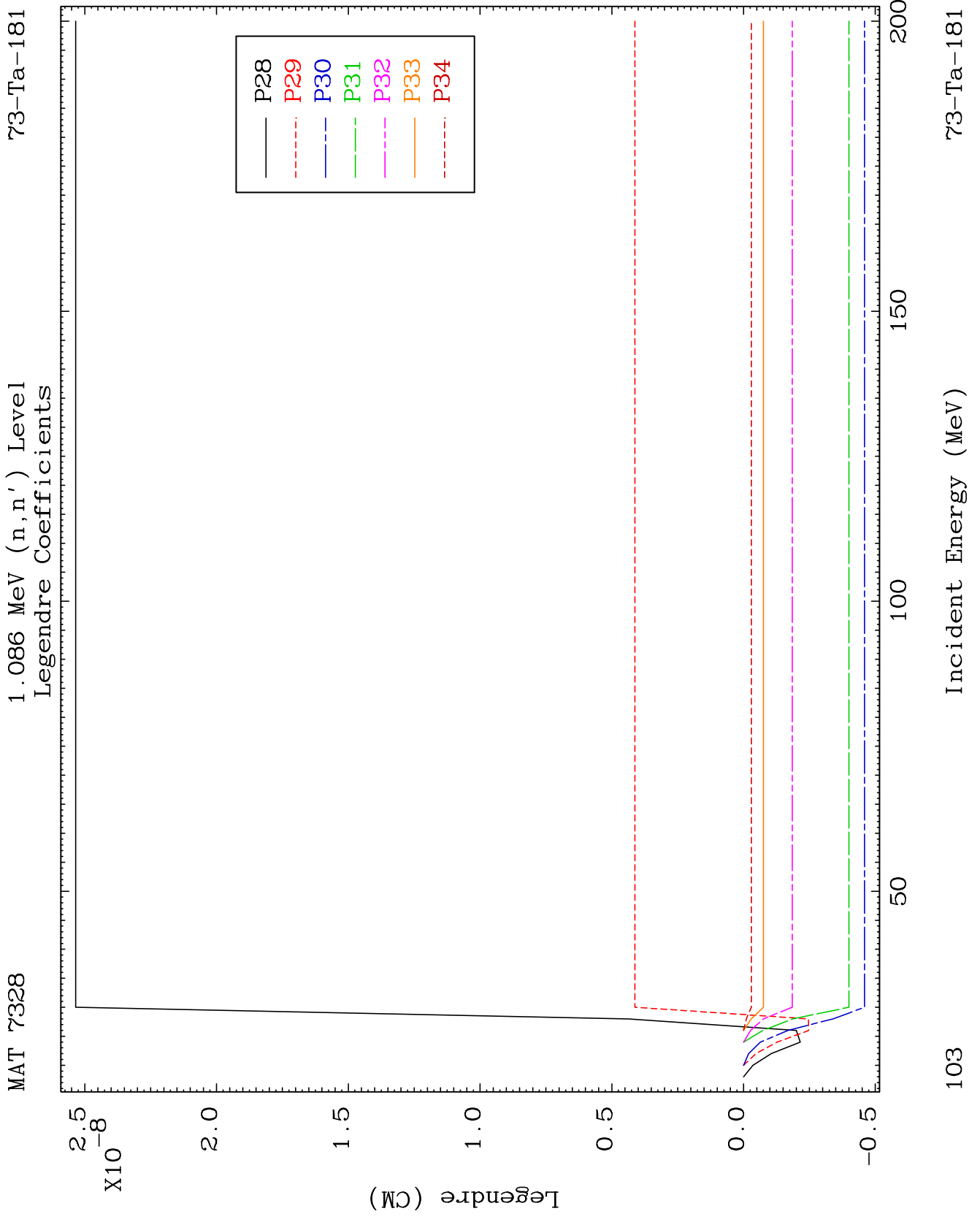
97

Incident Energy (MeV)

73-Ta-181



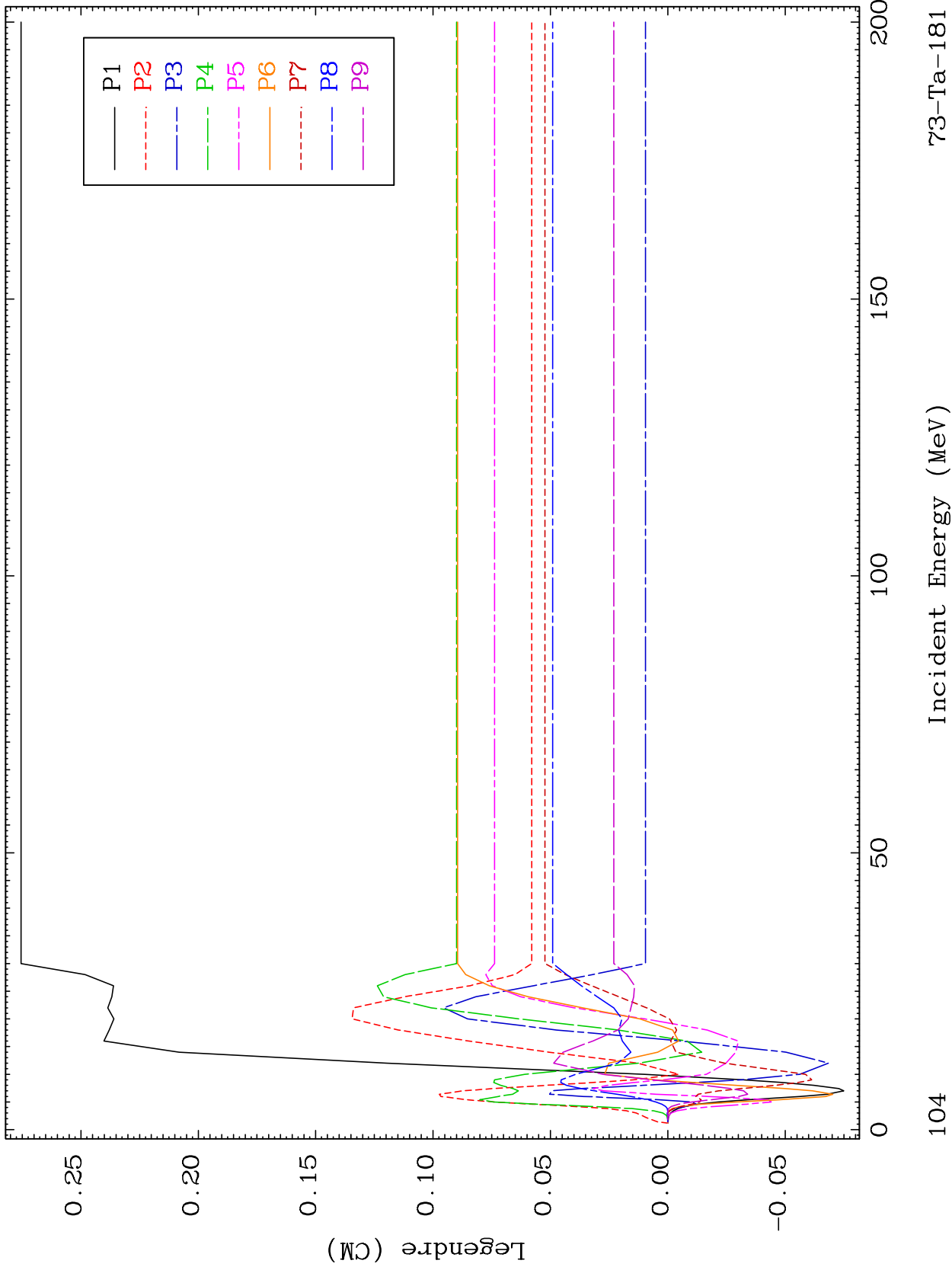




MAT 7328

1.157 MeV (n,n') Level
Legendre Coefficients

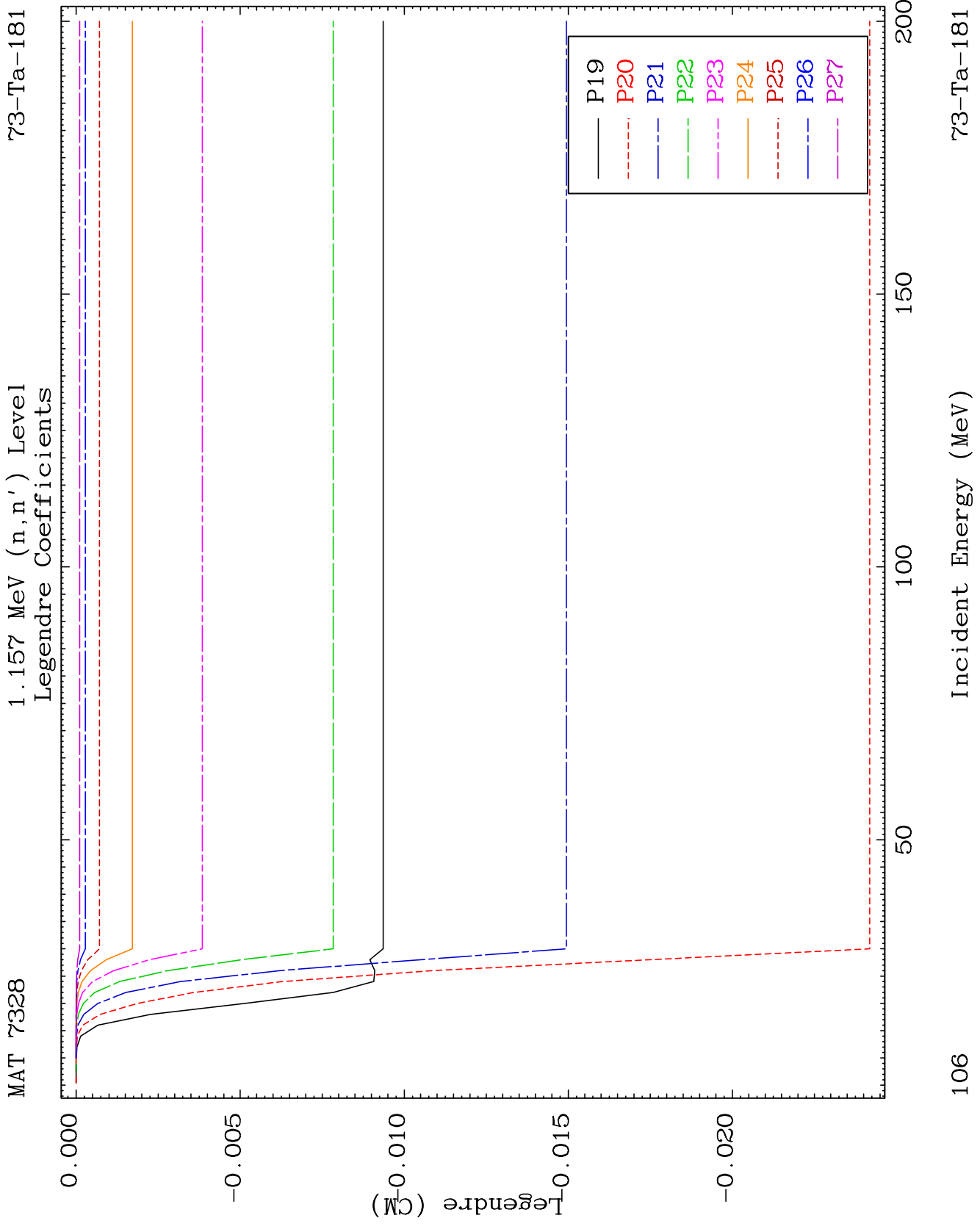
73-Ta-181

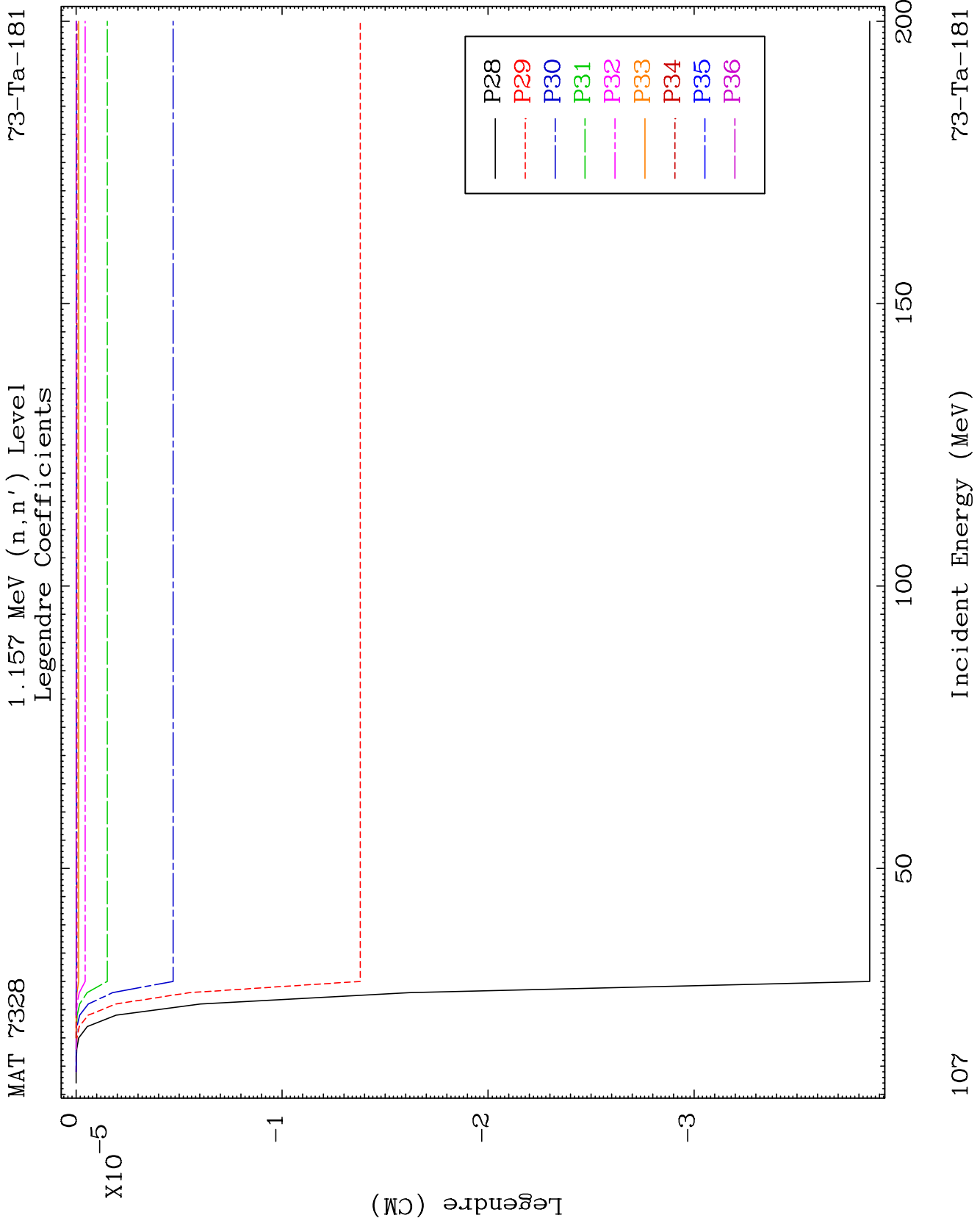


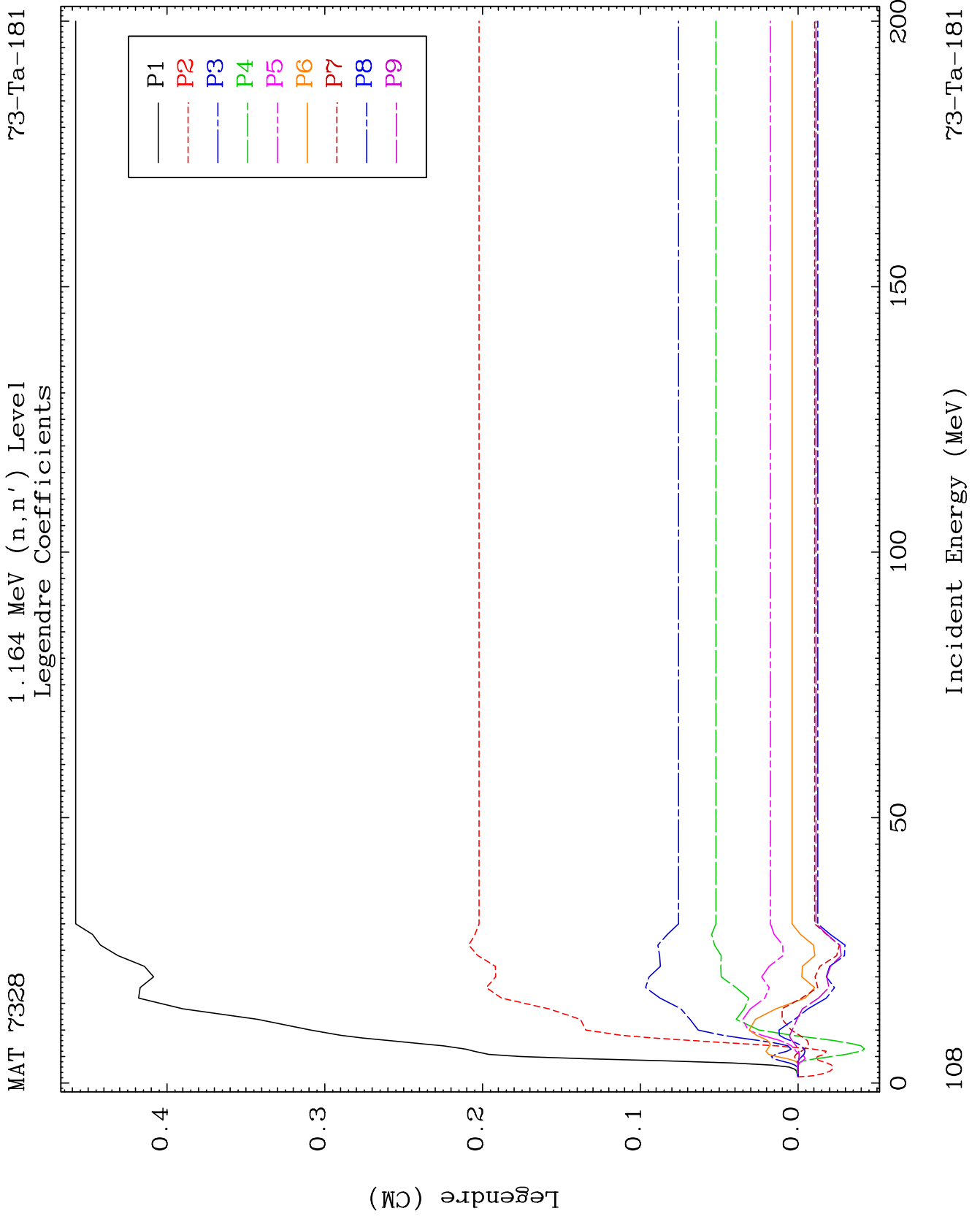
73-Ta-181

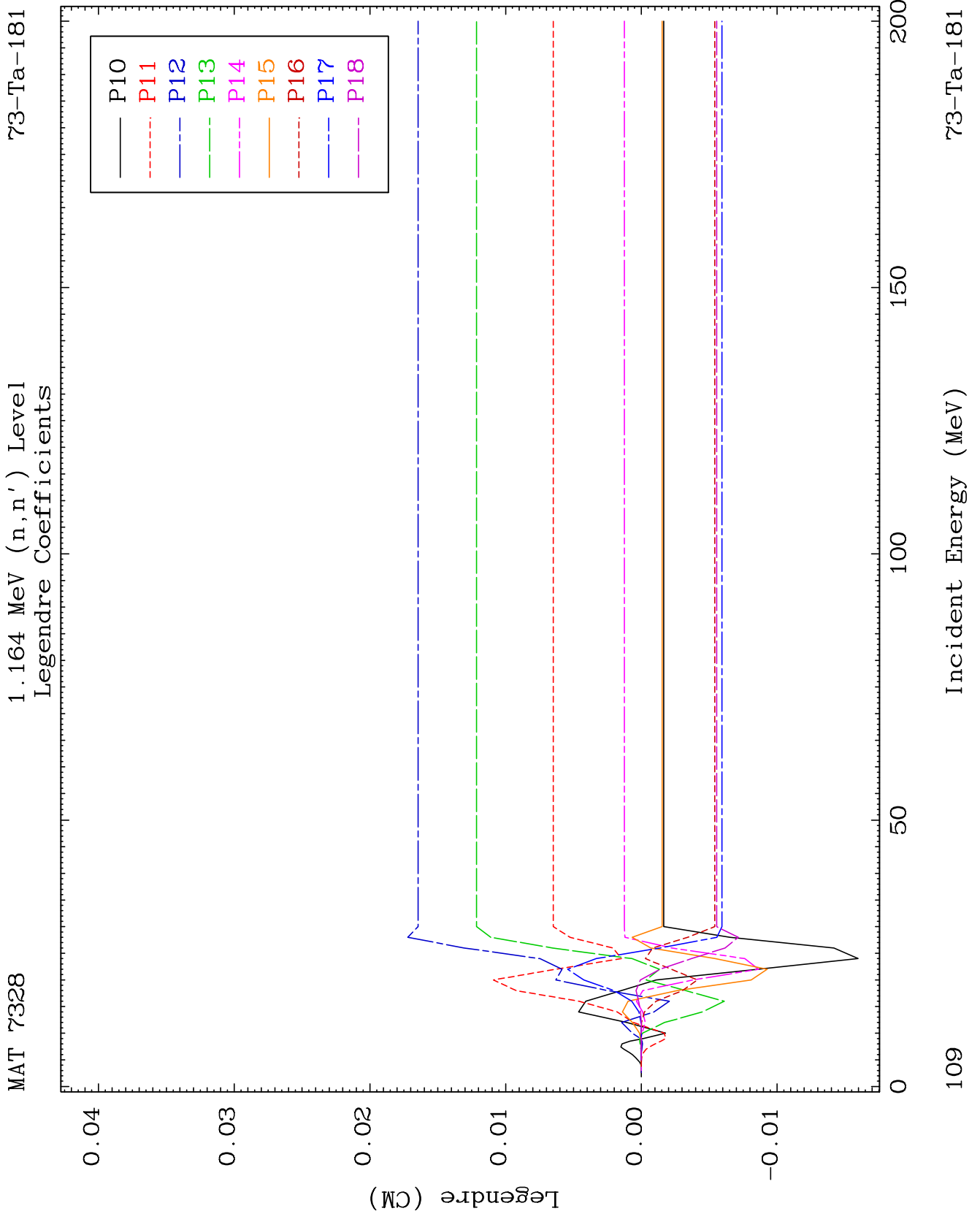
Incident Energy (MeV)

104





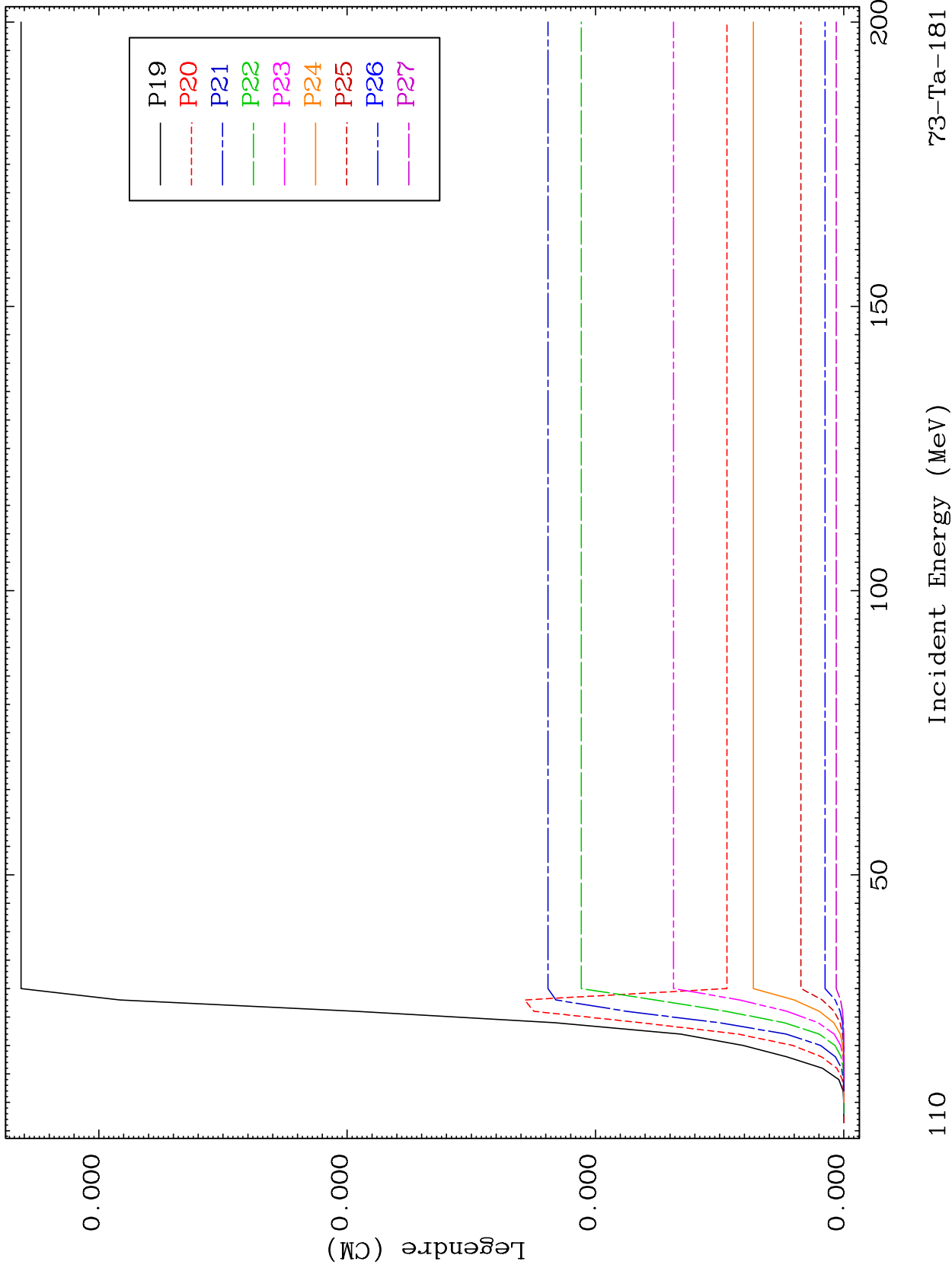




MAT 7328

1.164 MeV (n,n') Level
Legendre Coefficients

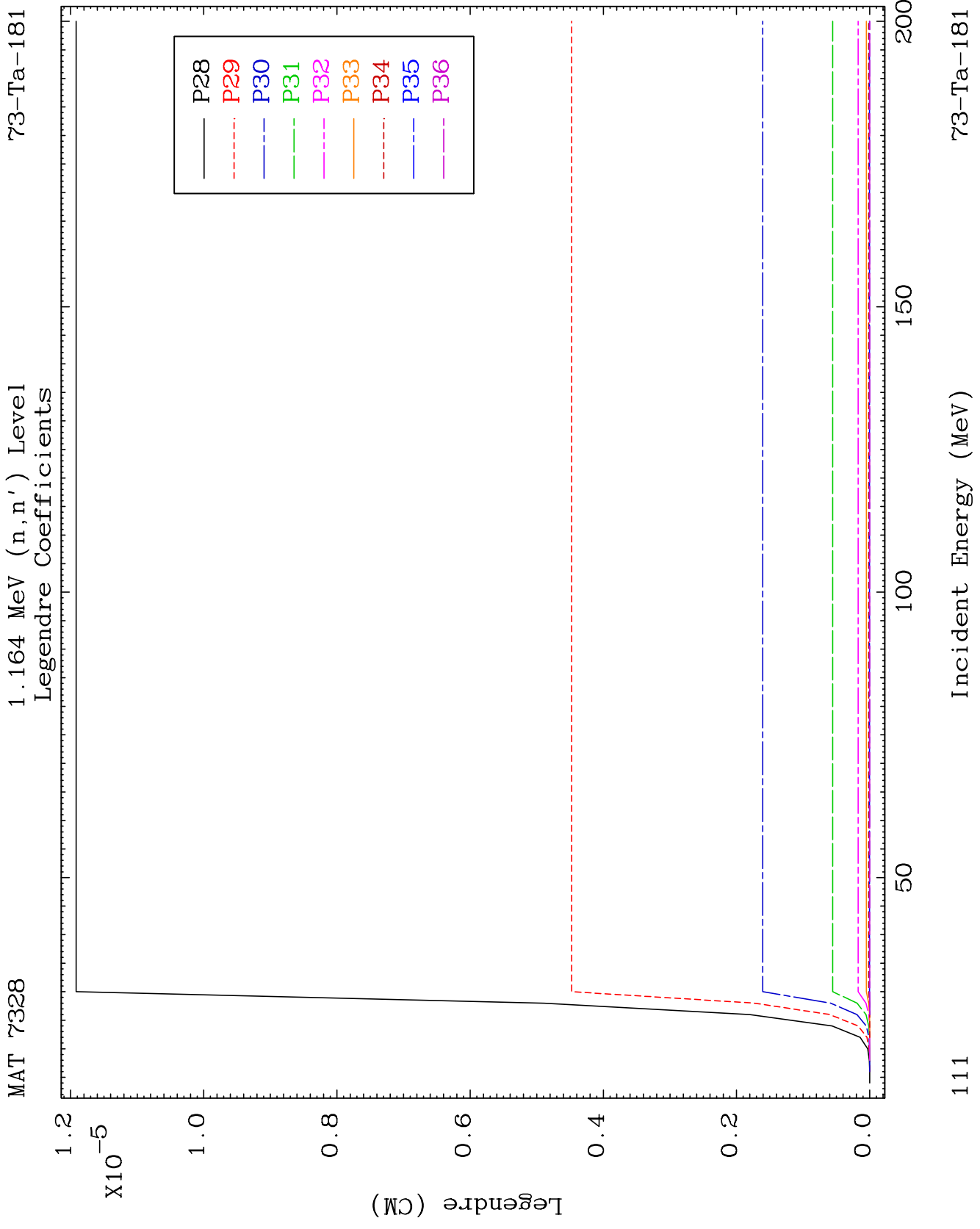
73-Ta-181



110

Incident Energy (MeV)

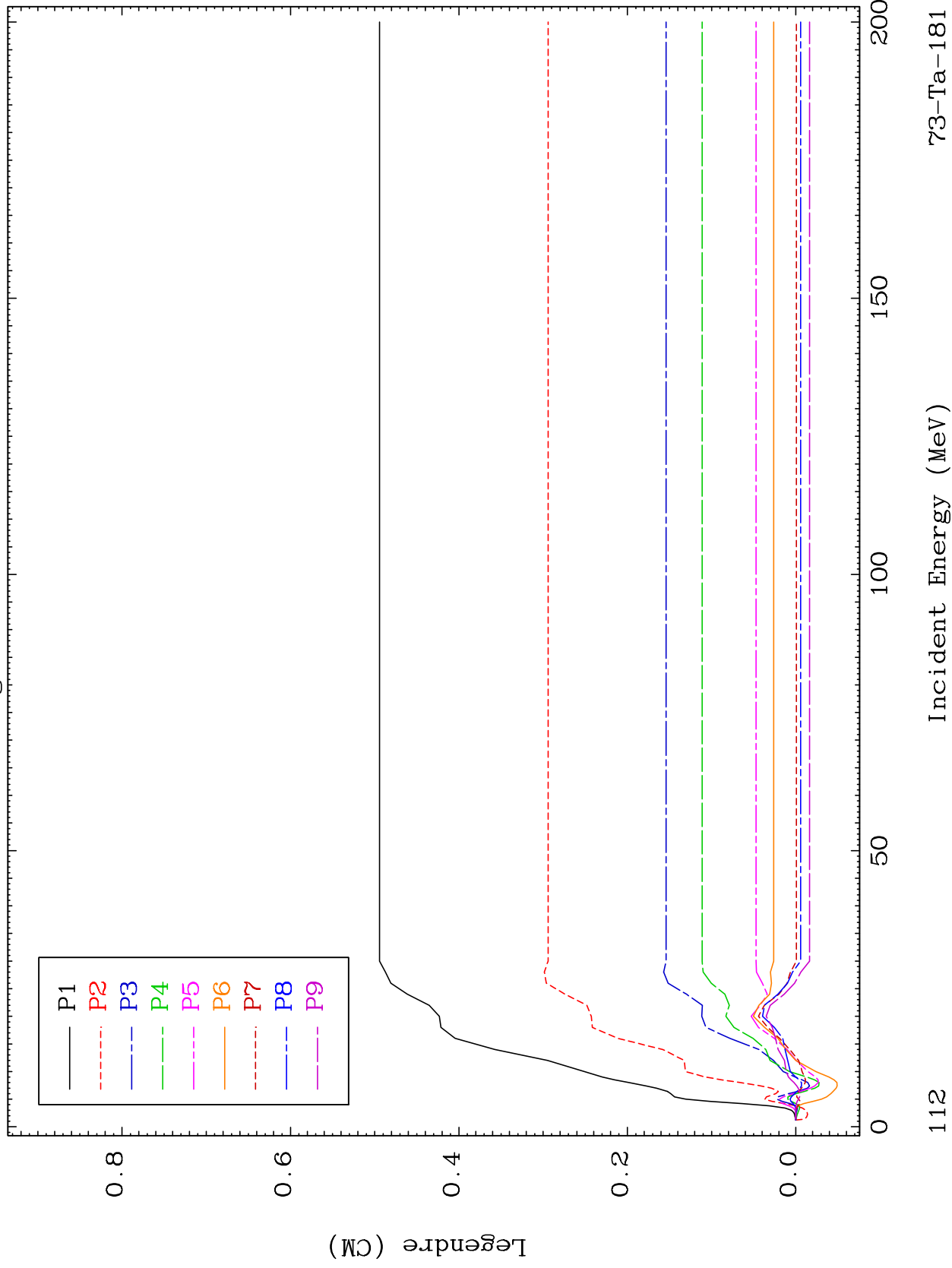
73-Ta-181



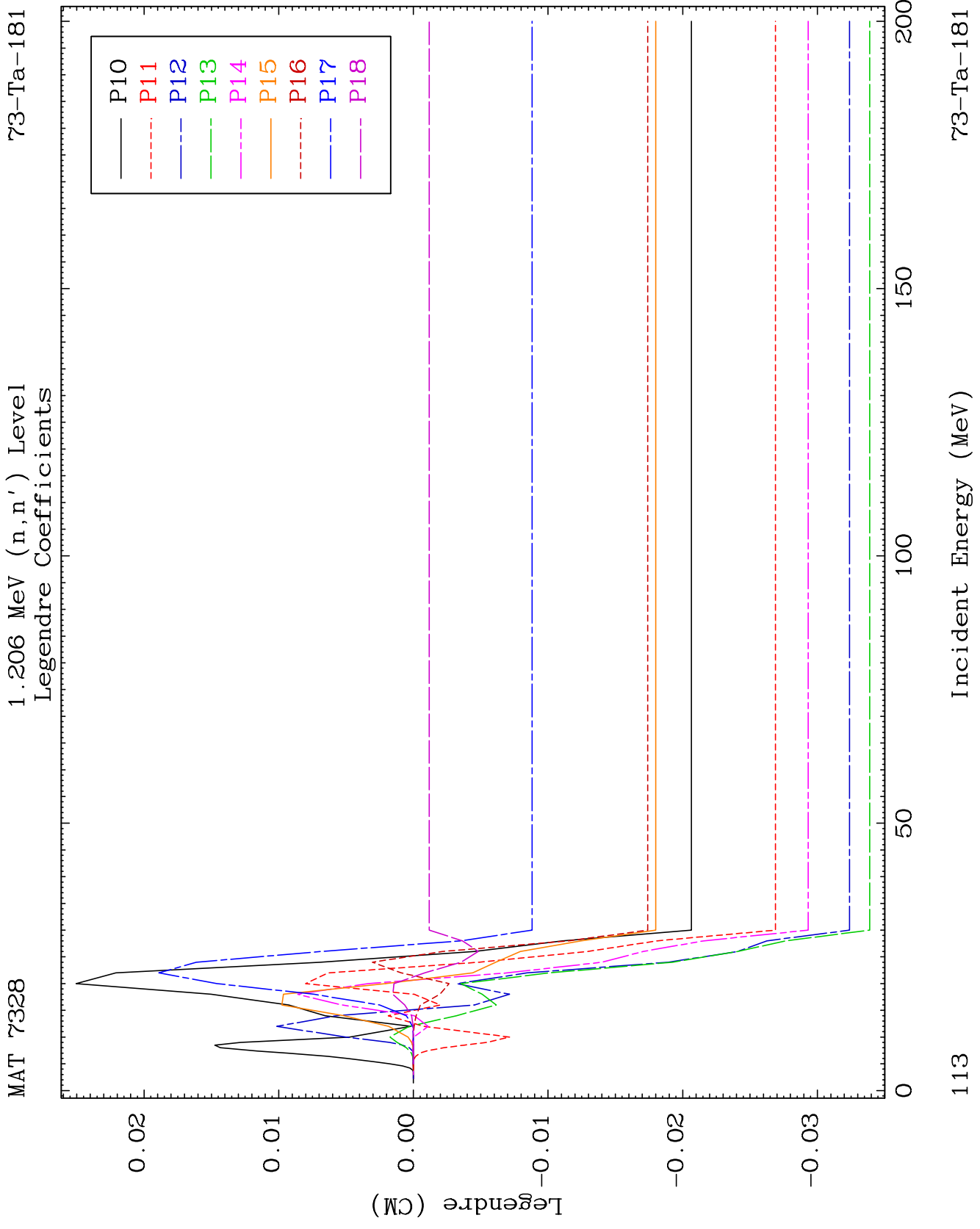
MAT 7328

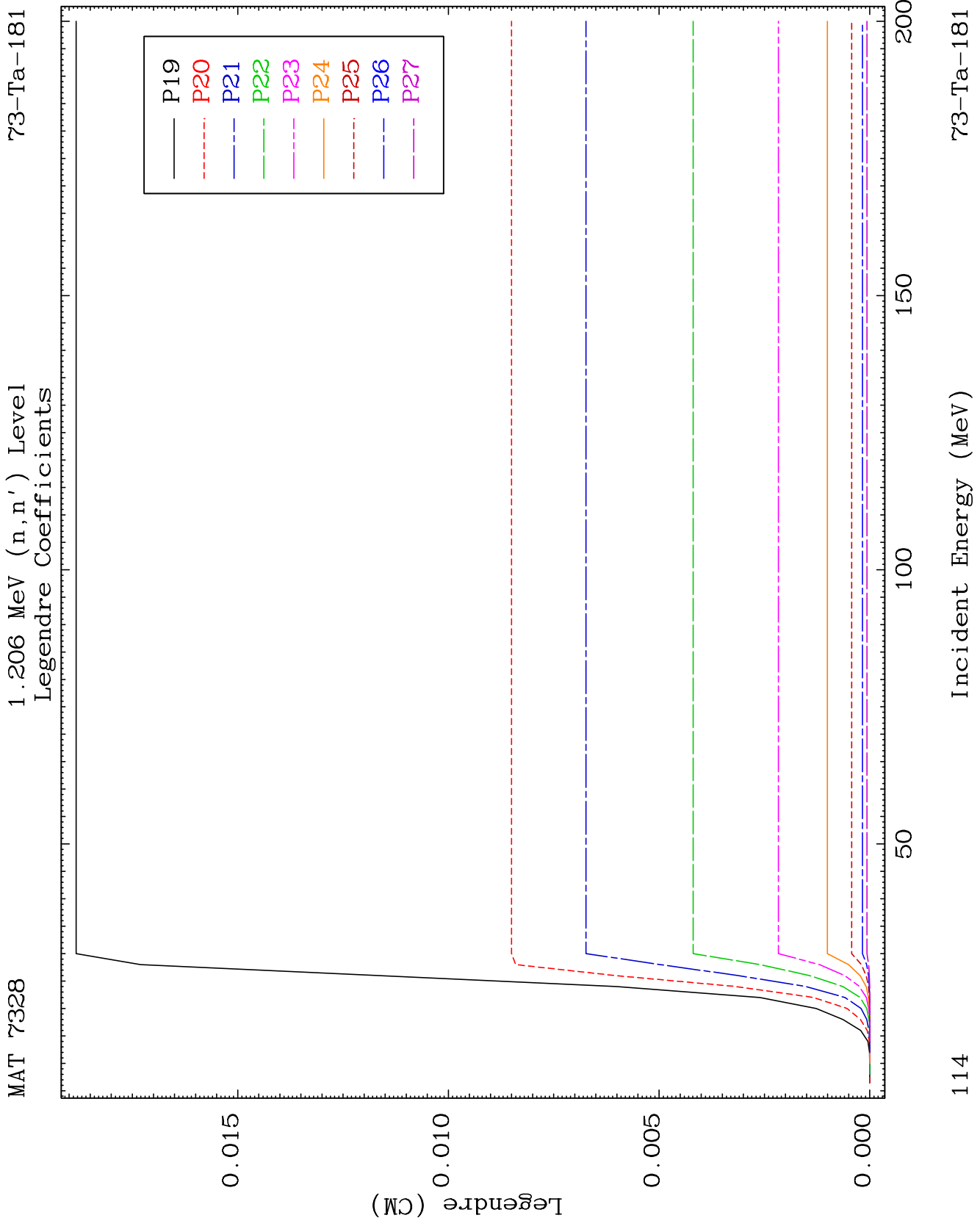
1.206 MeV (n,n') Level
Legendre Coefficients

73-Ta-181



112

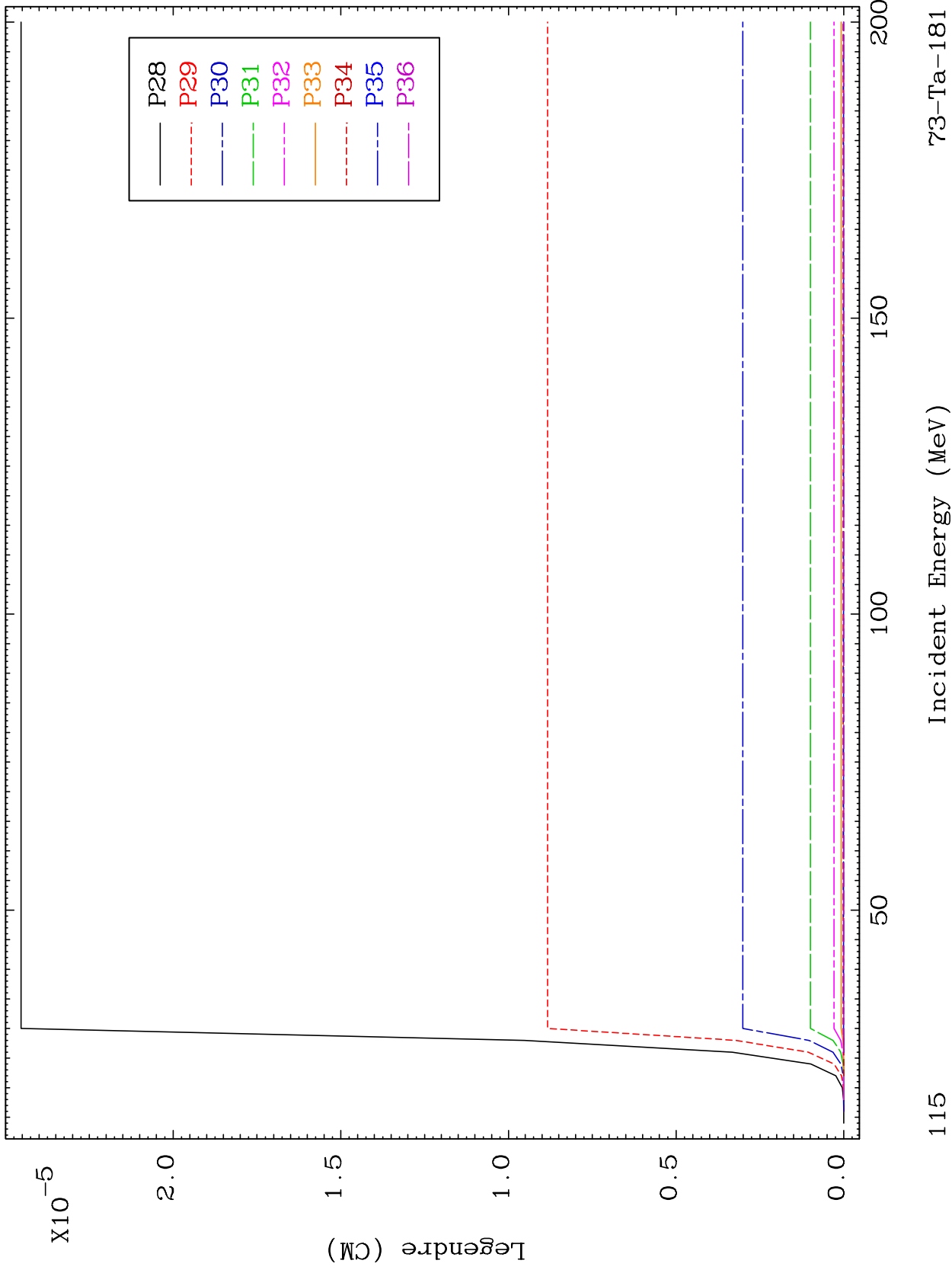




MAT 7328

1.206 MeV (n,n') Level
Legendre Coefficients

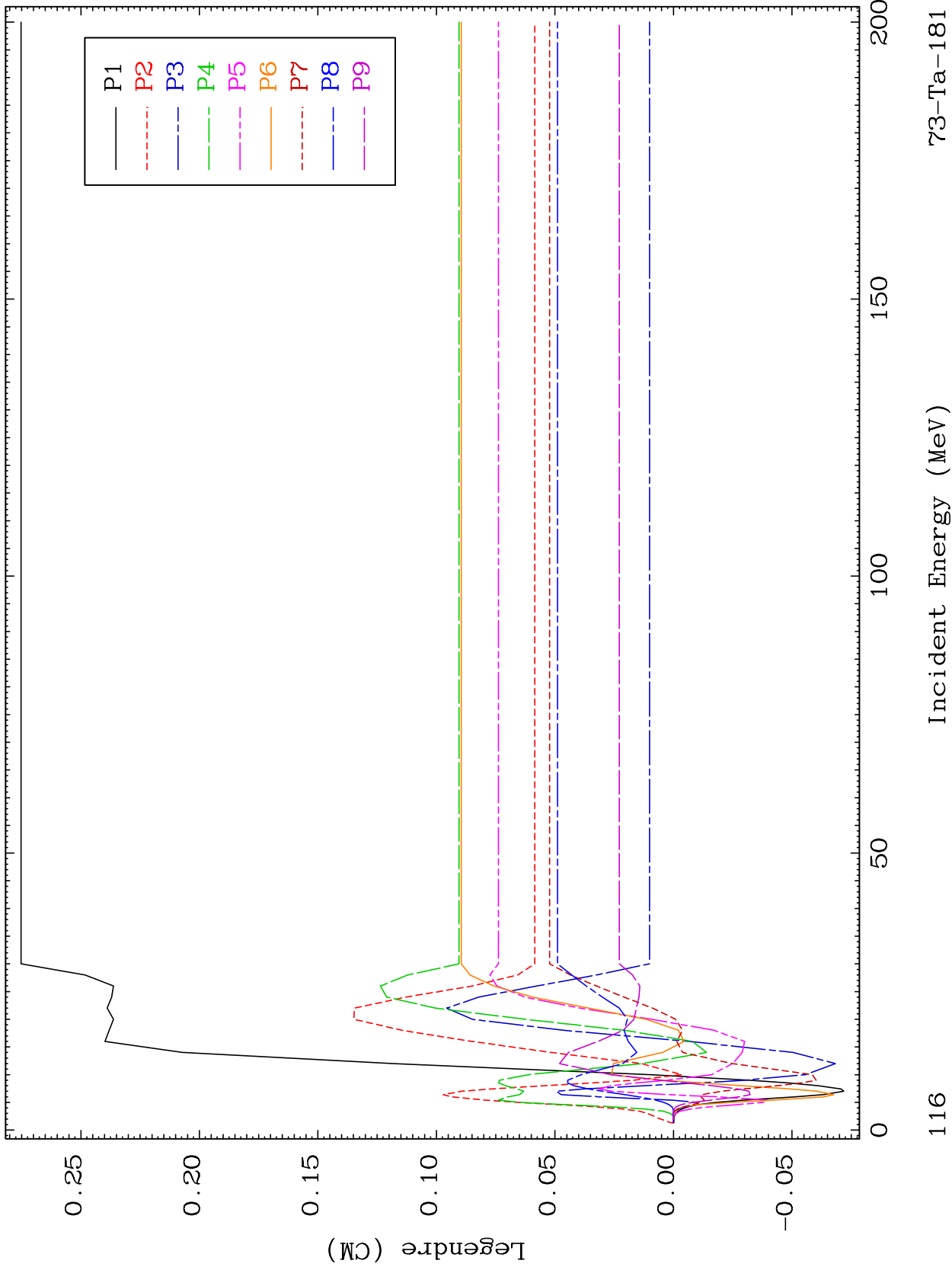
73-Ta-181



MAT 7328

1.233 MeV (n,n') Level
Legendre Coefficients

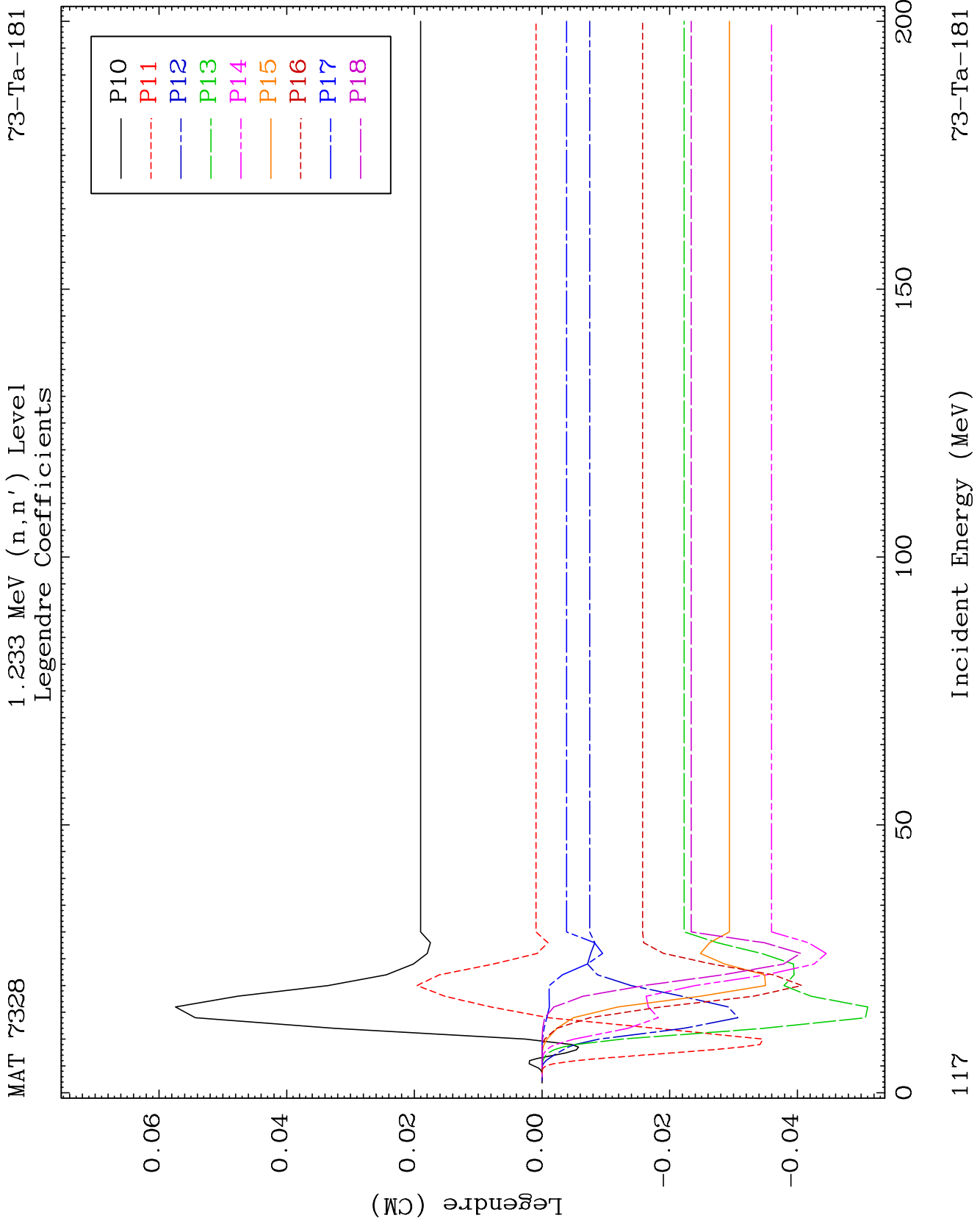
73-Ta-181

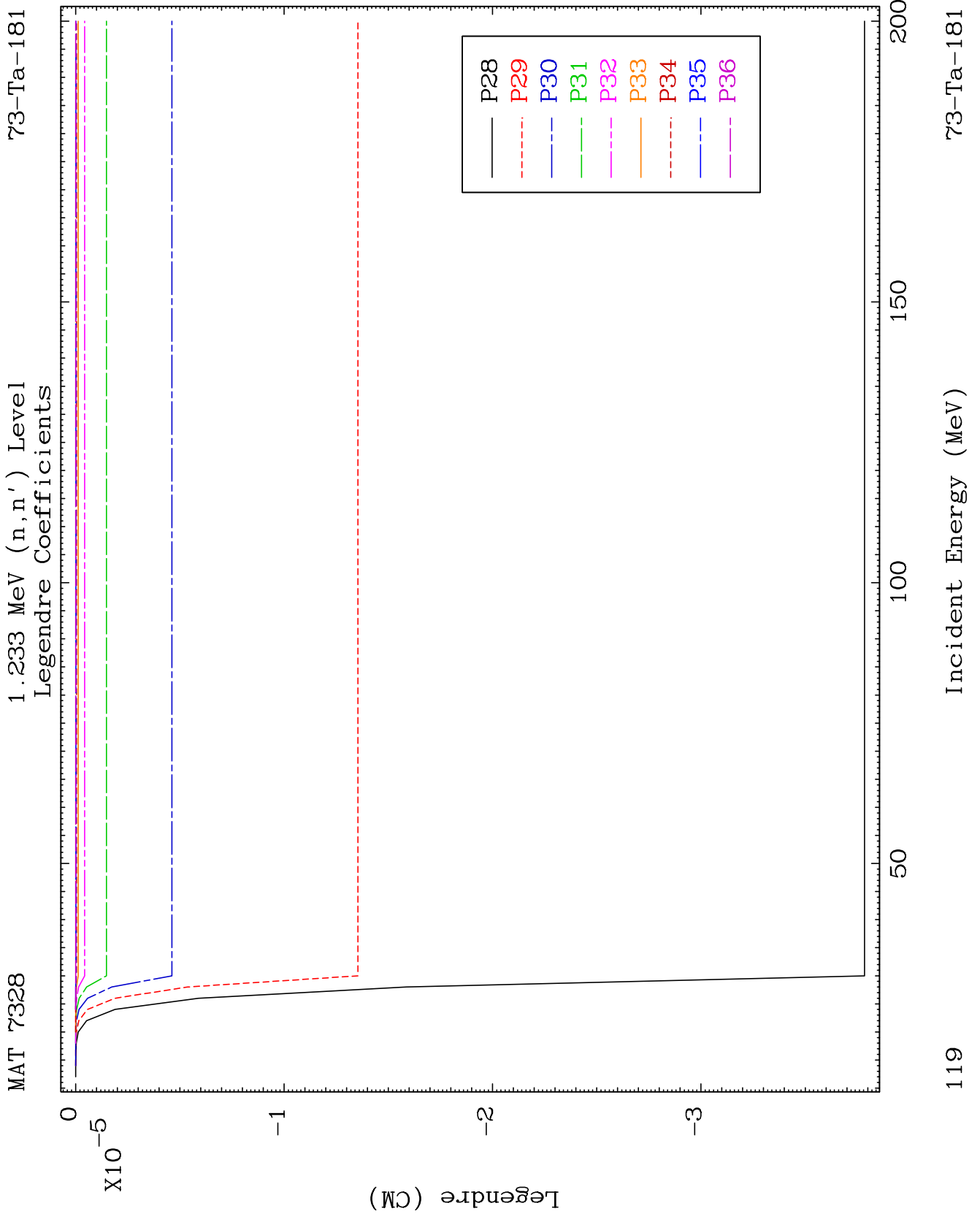


73-Ta-181

Incident Energy (MeV)

116

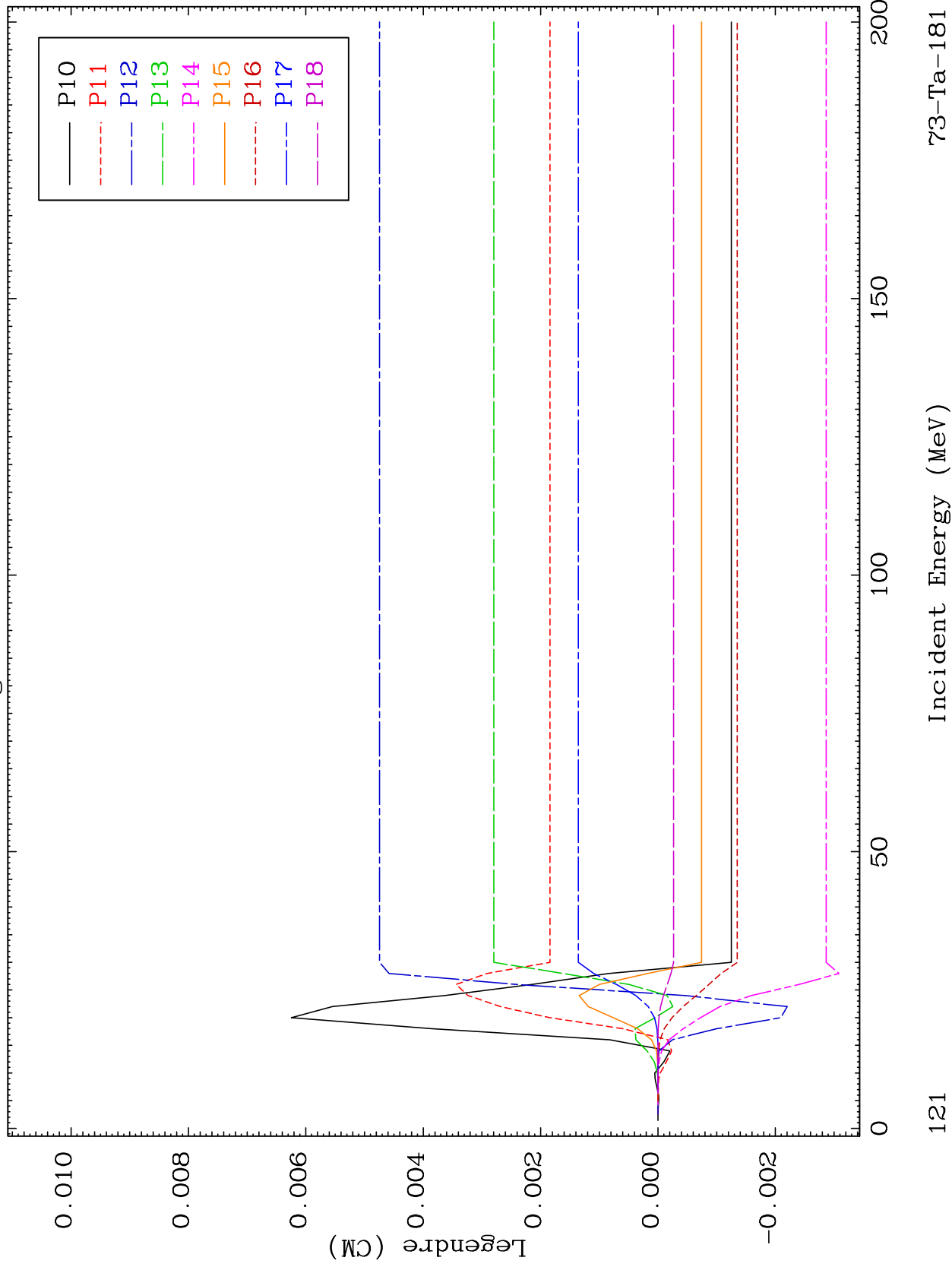




MAT 7328

1.239 MeV (n,n') Level
Legendre Coefficients

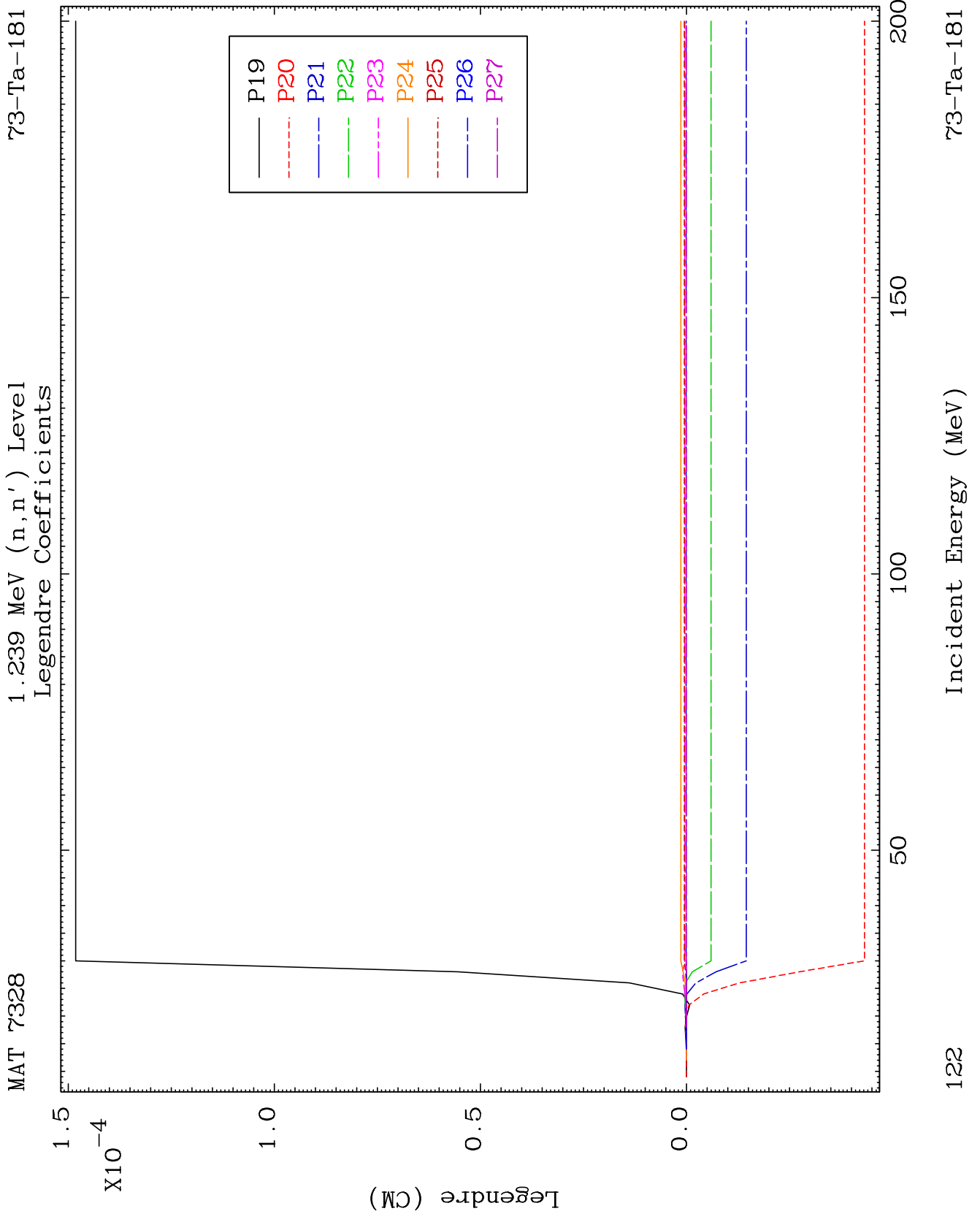
73-Ta-181

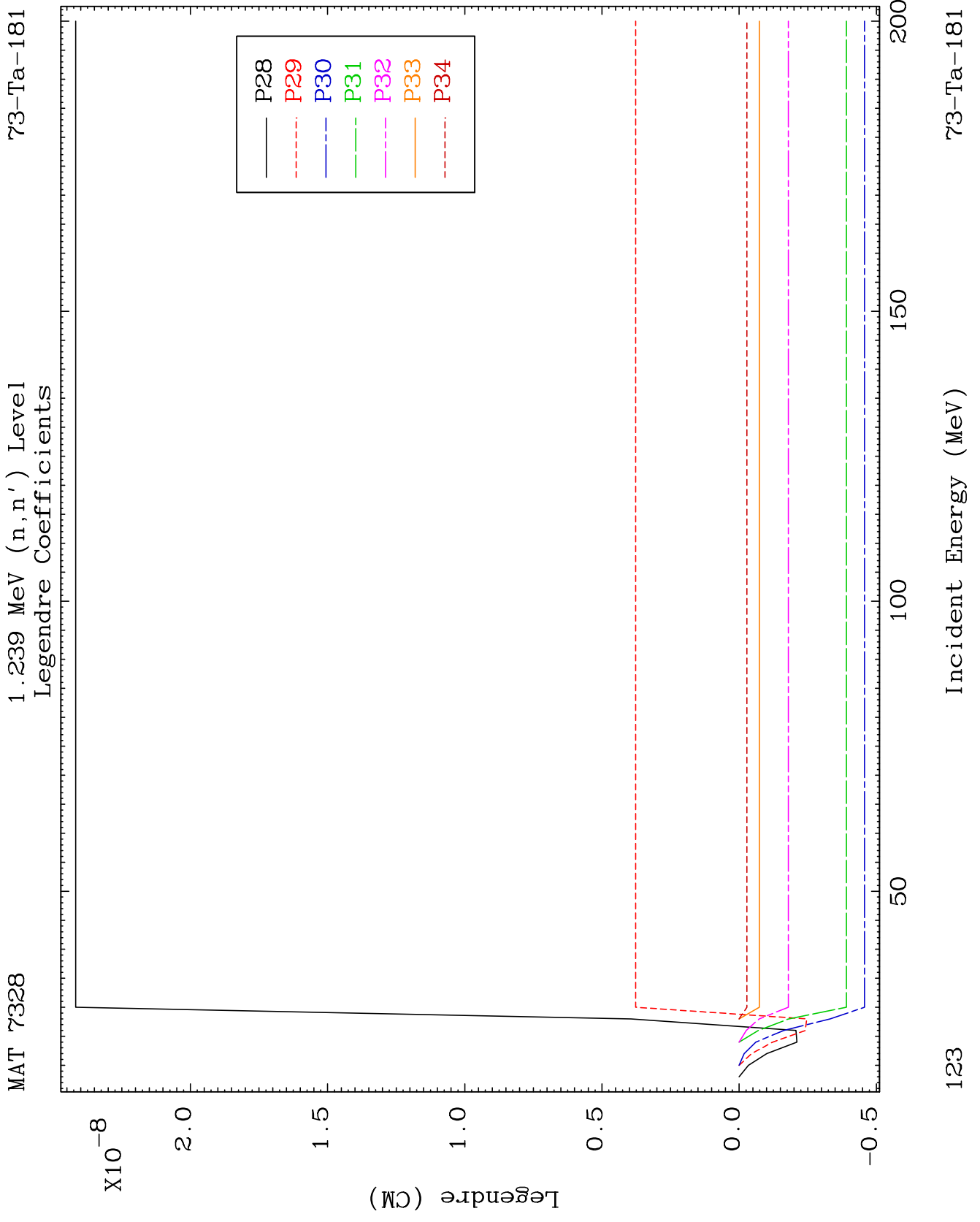


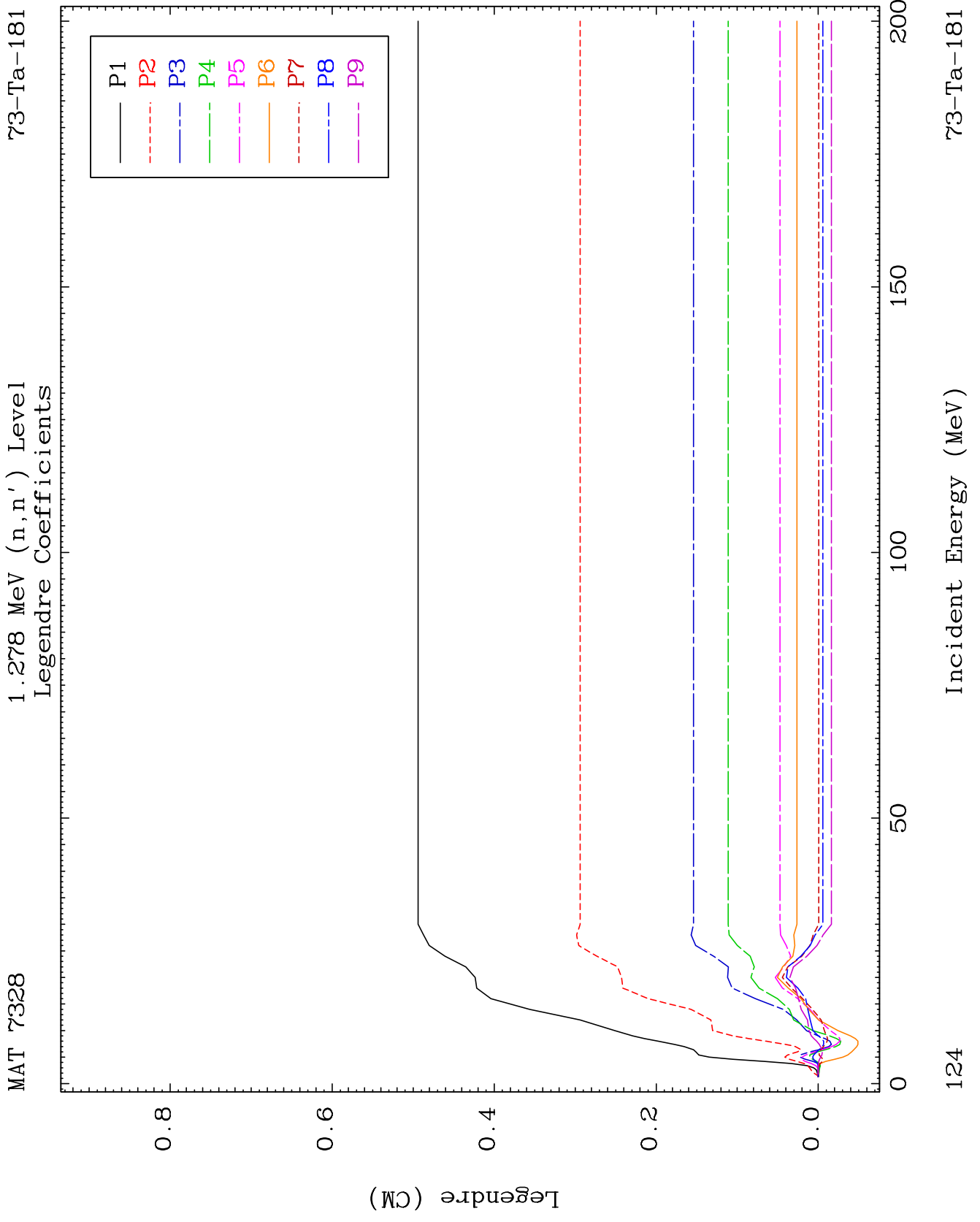
73-Ta-181

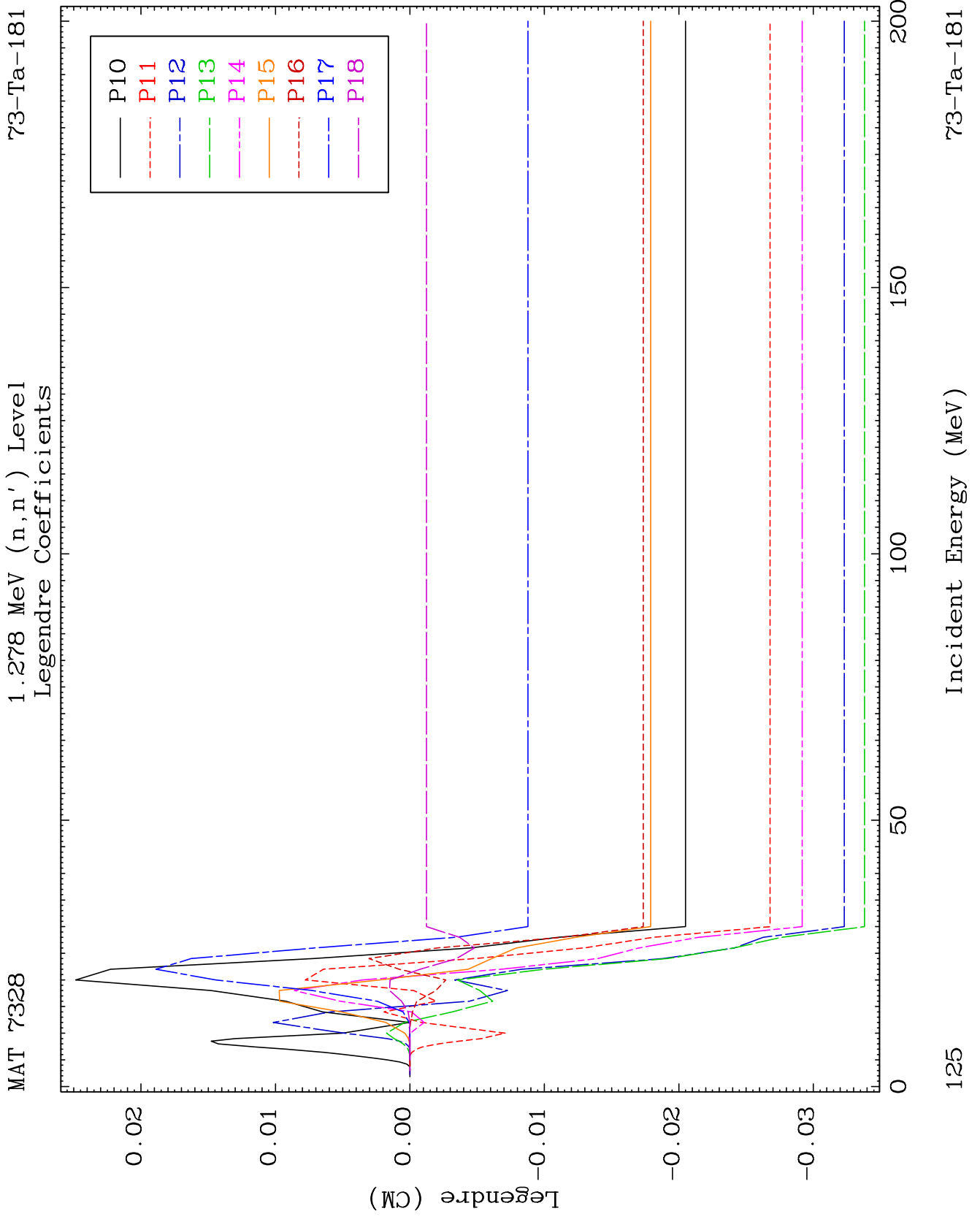
Incident Energy (MeV)

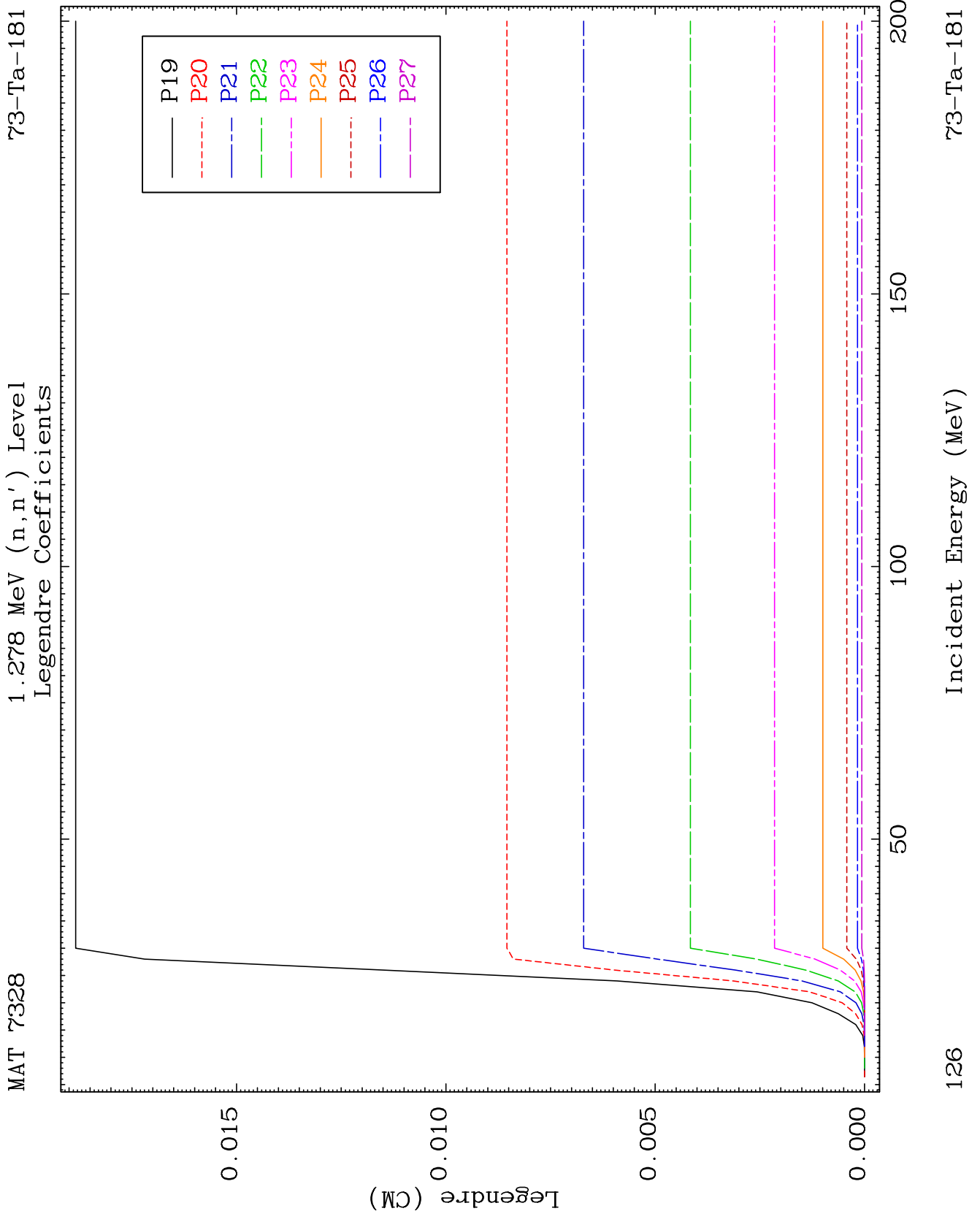
121

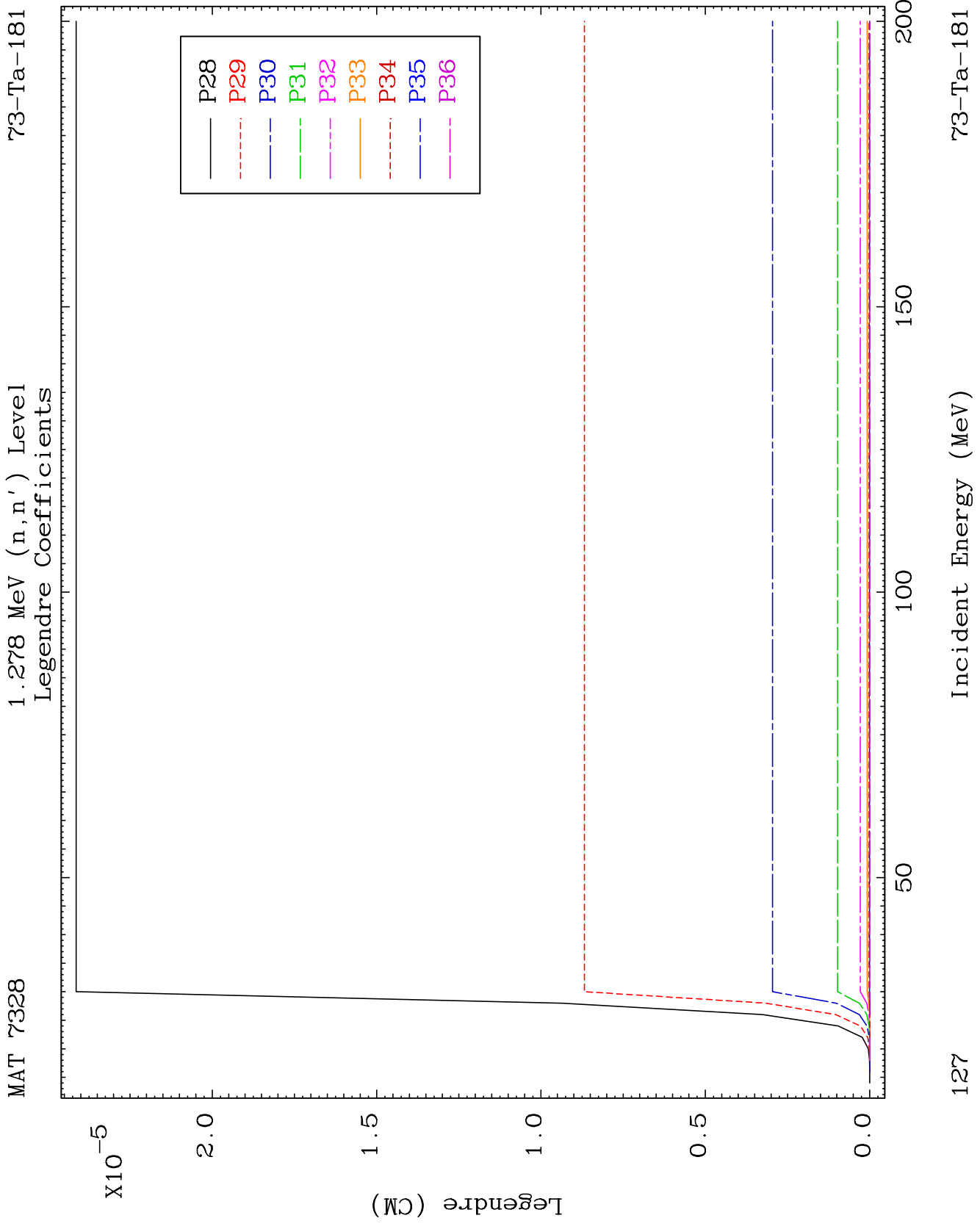


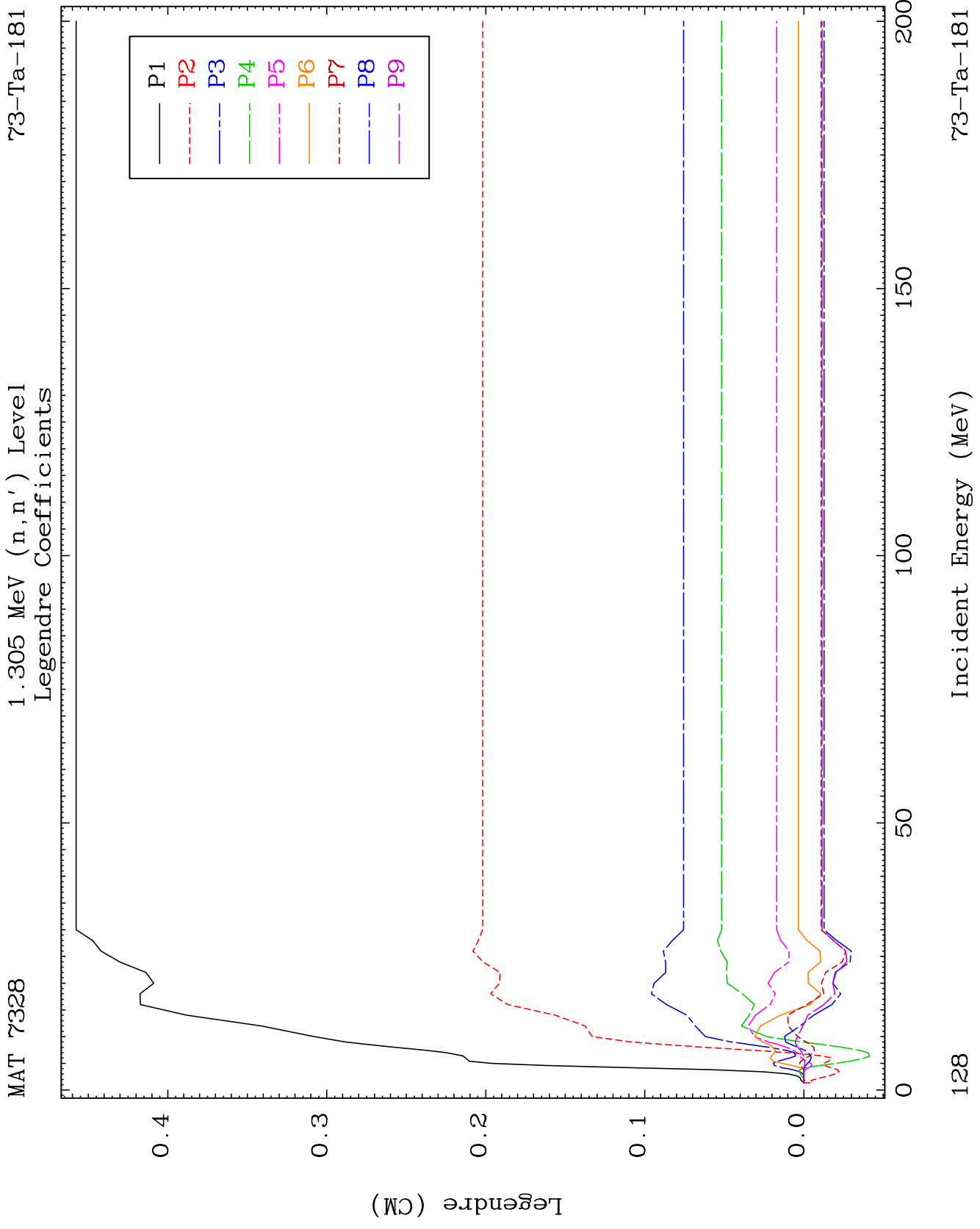








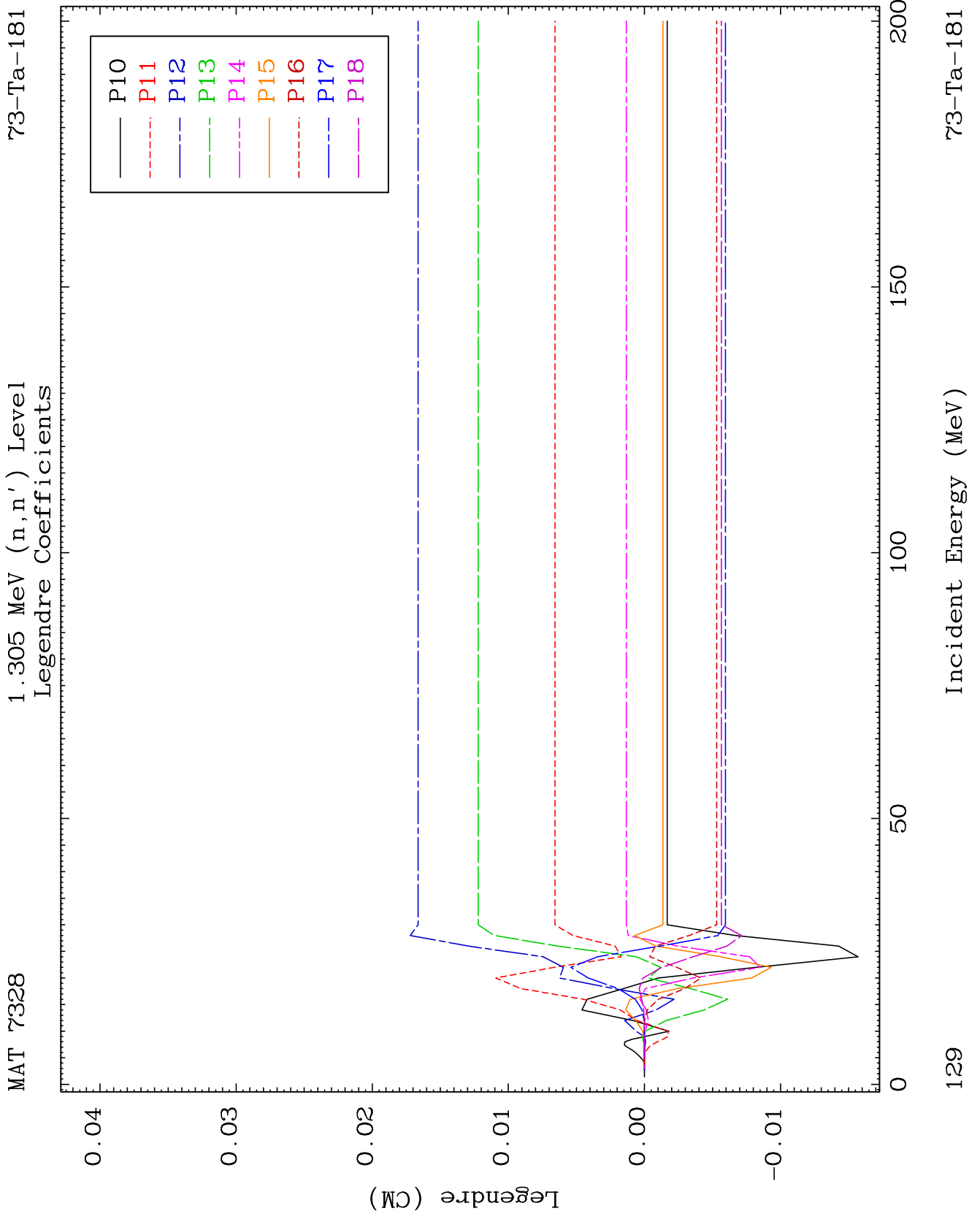


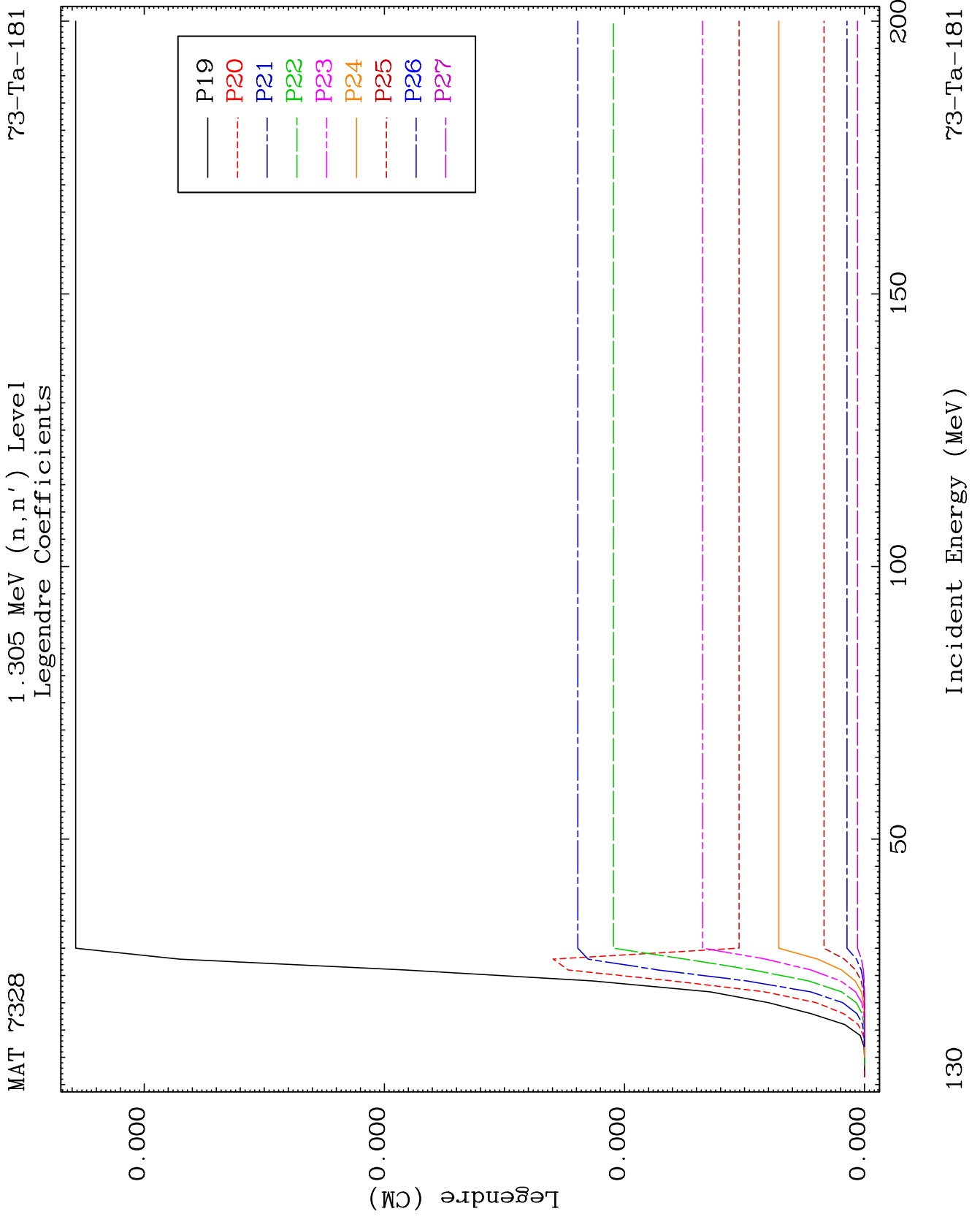


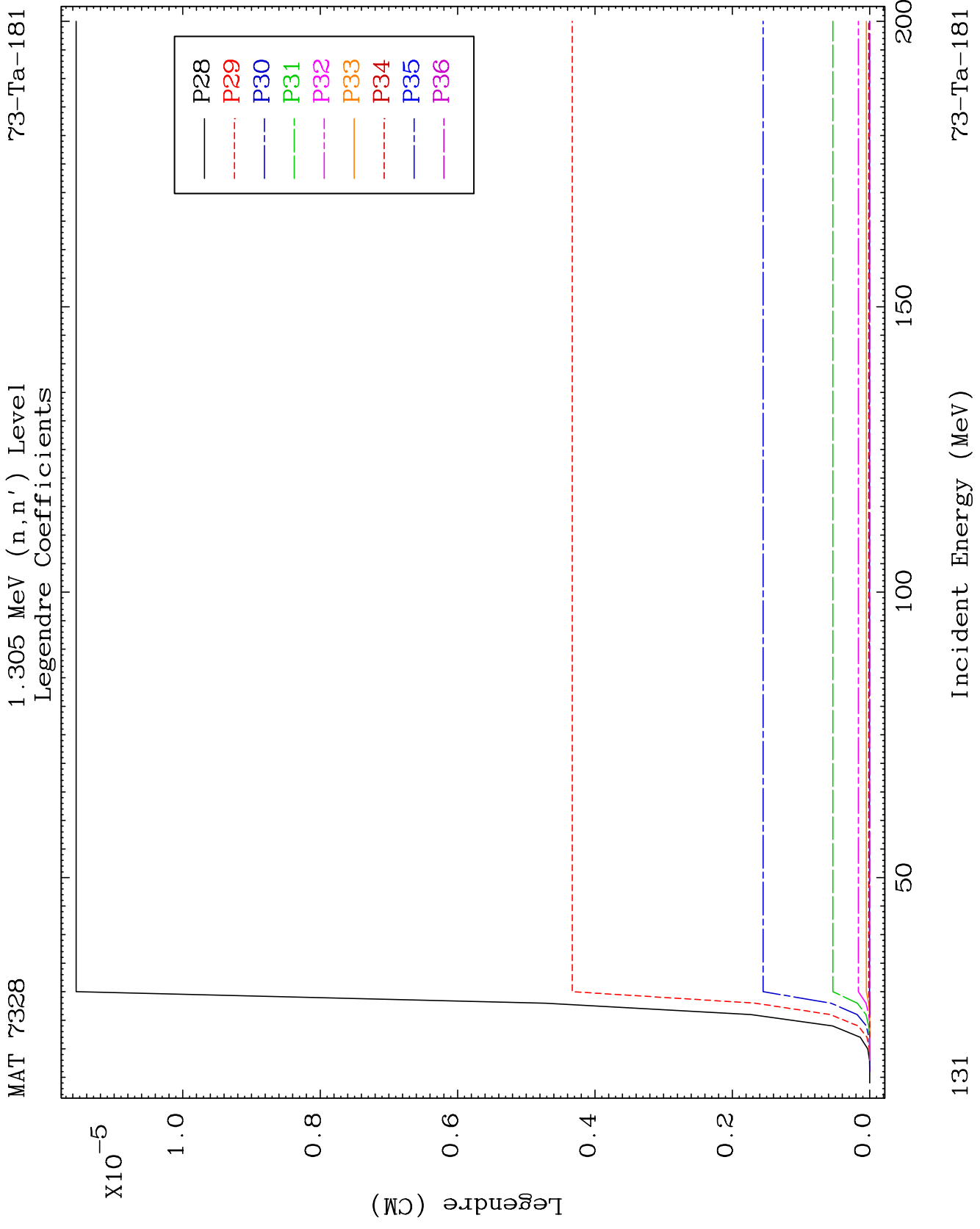
73-Ta-181

Incident Energy (MeV)

128



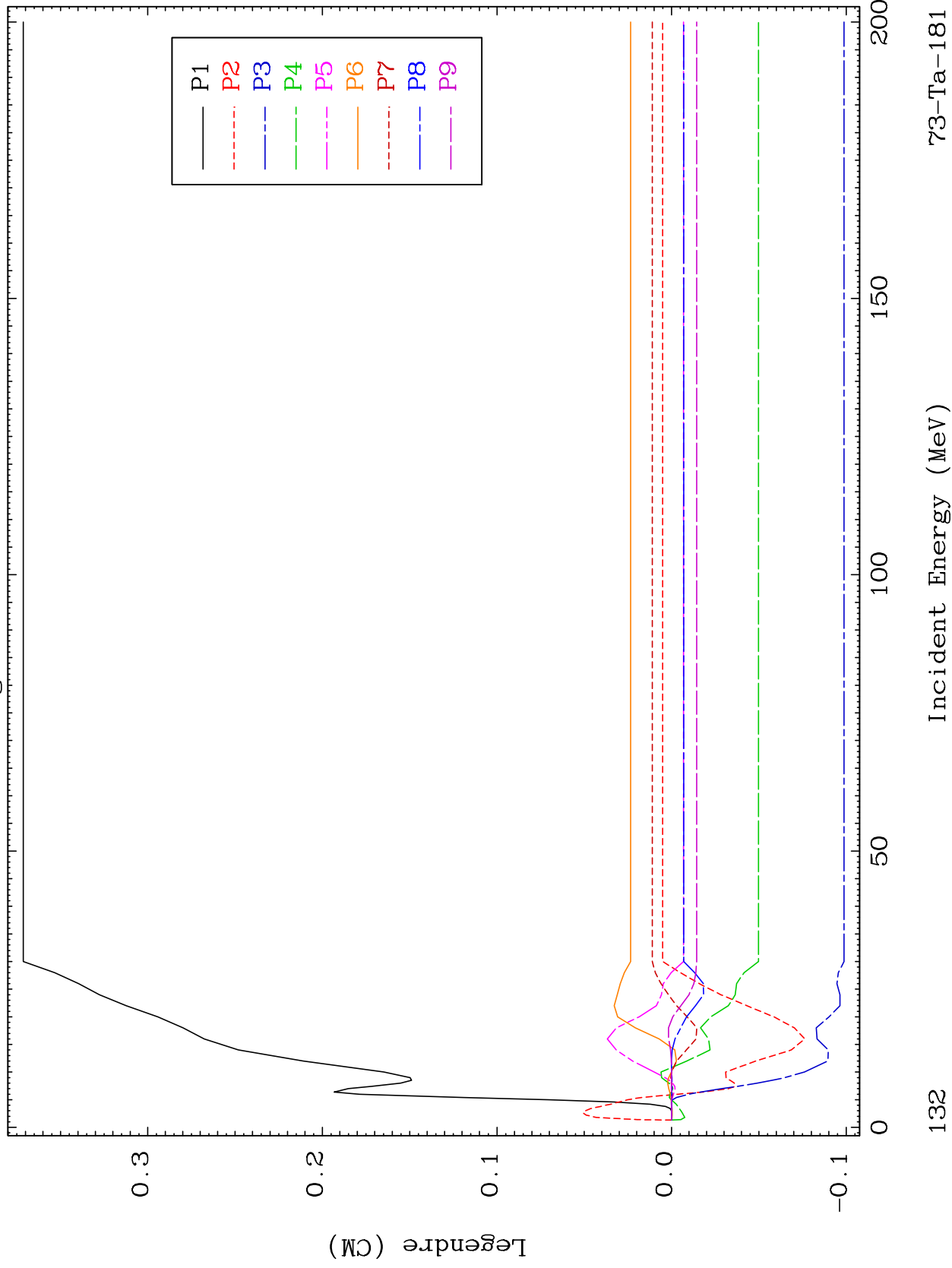




MAT 7328

1.307 MeV (n,n') Level
Legendre Coefficients

73-Ta-181



73-Ta-181

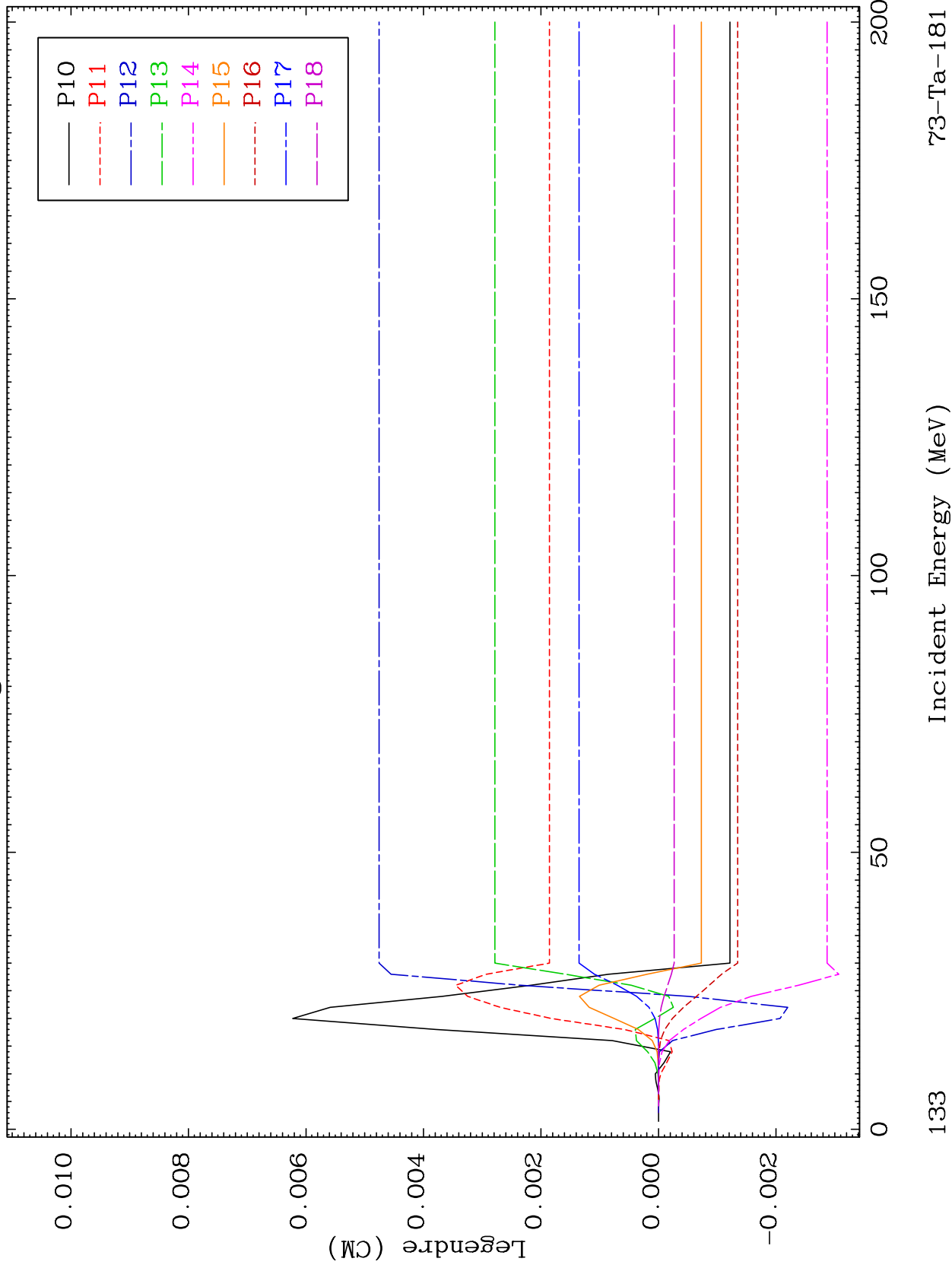
Incident Energy (MeV)

132

MAT 7328

1.307 MeV (n,n') Level
Legendre Coefficients

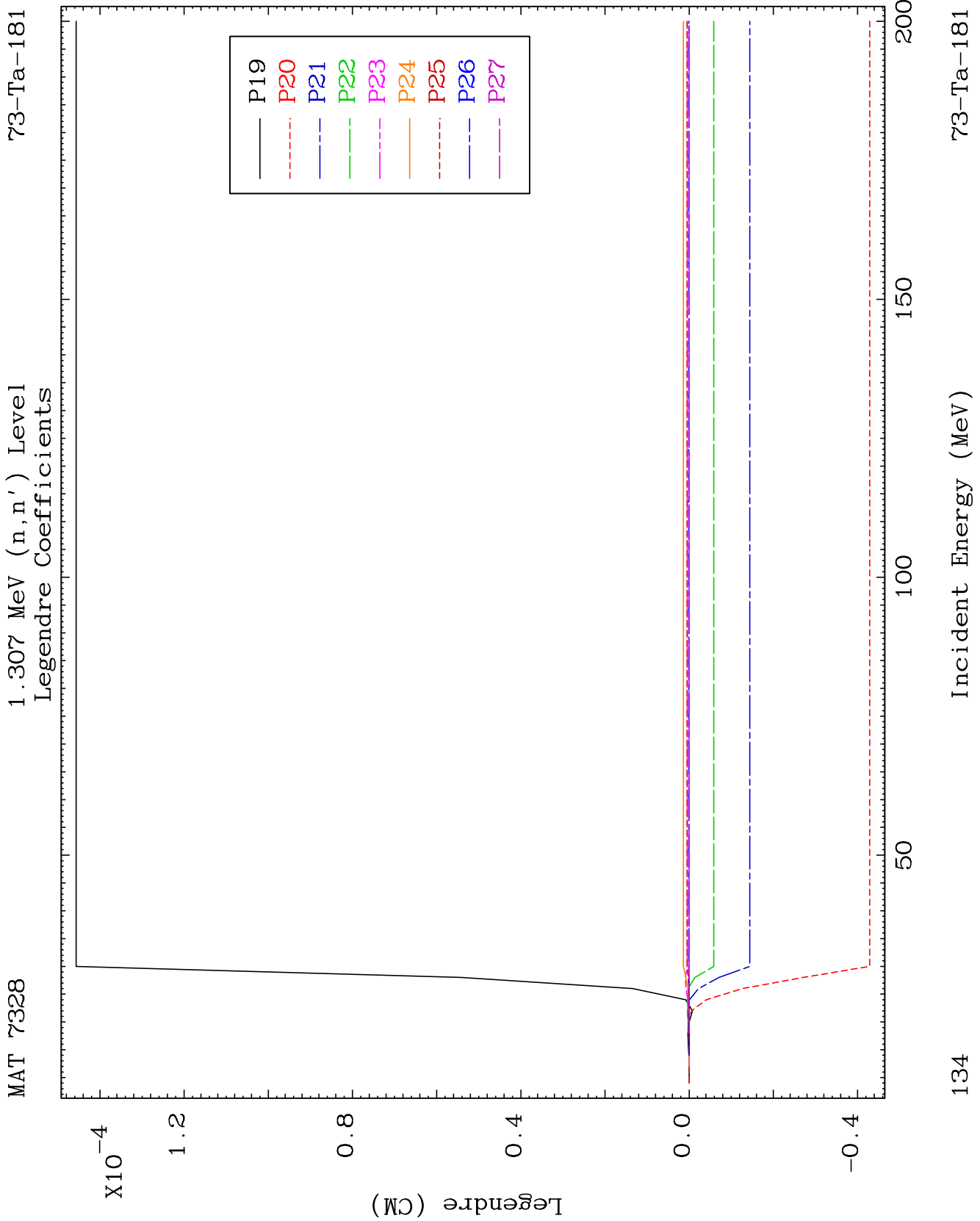
73-Ta-181

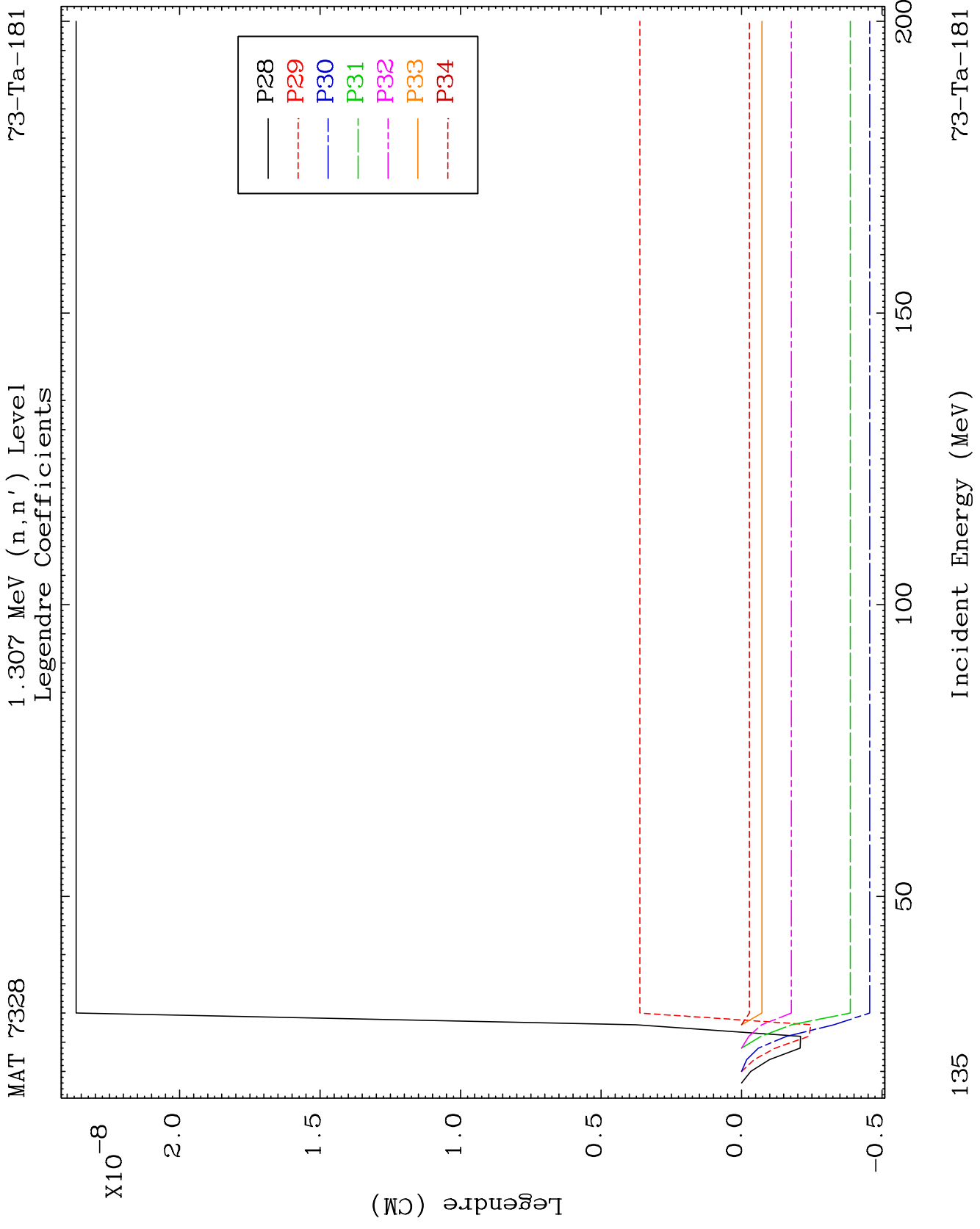


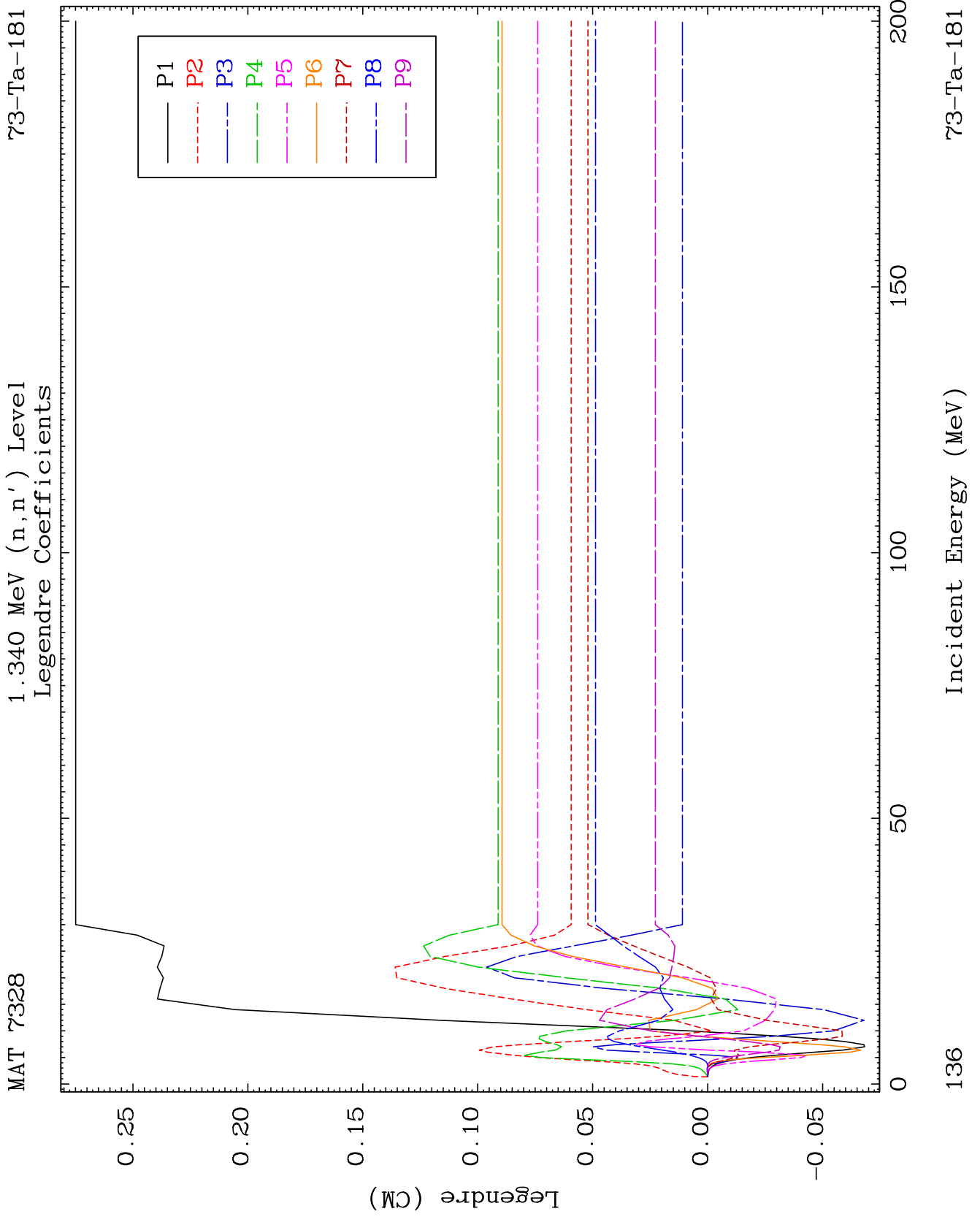
73-Ta-181

Incident Energy (MeV)

133







73-Ta-181

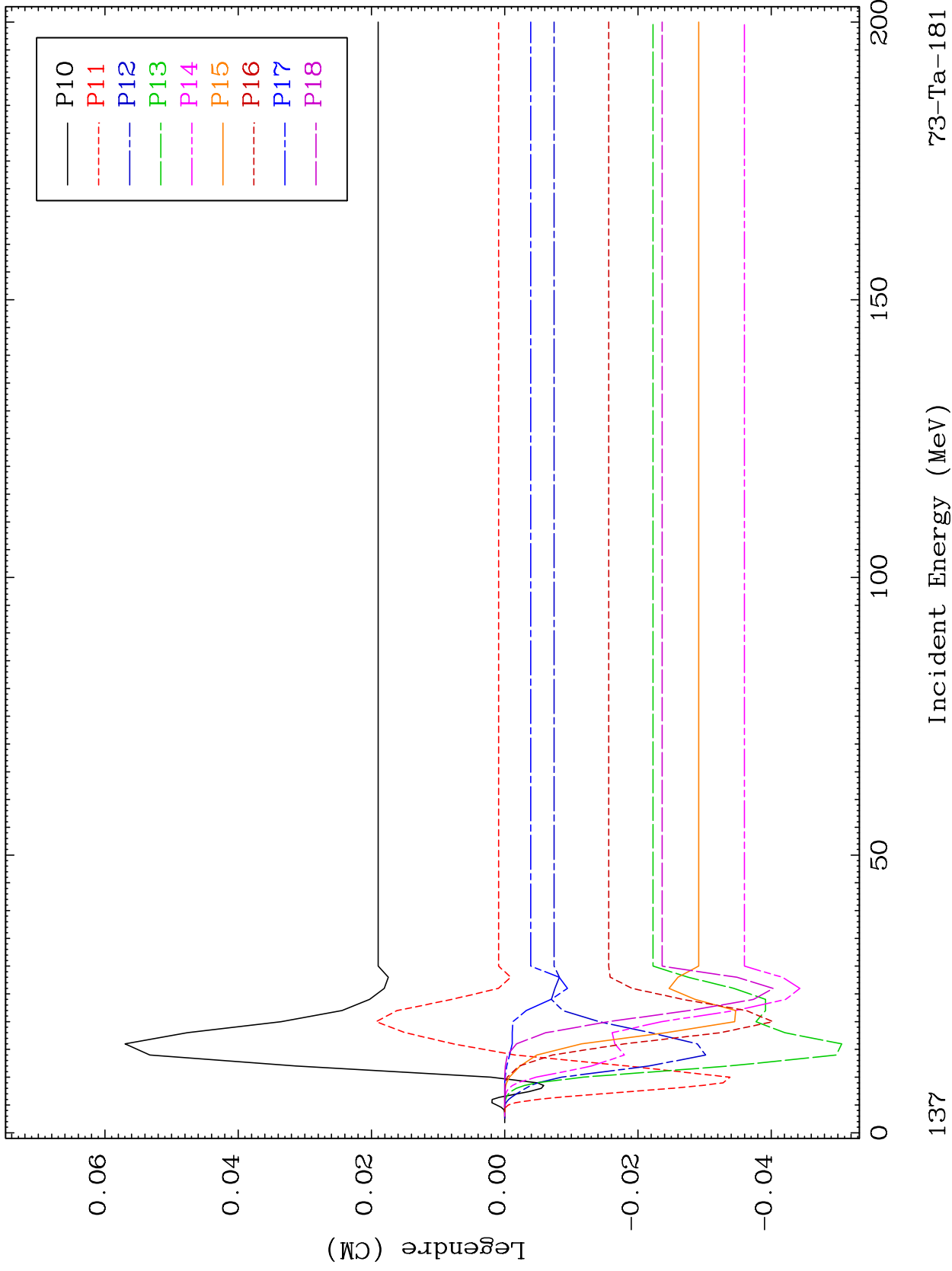
Incident Energy (MeV)

136

MAT 7328

1.340 MeV (n,n') Level
Legendre Coefficients

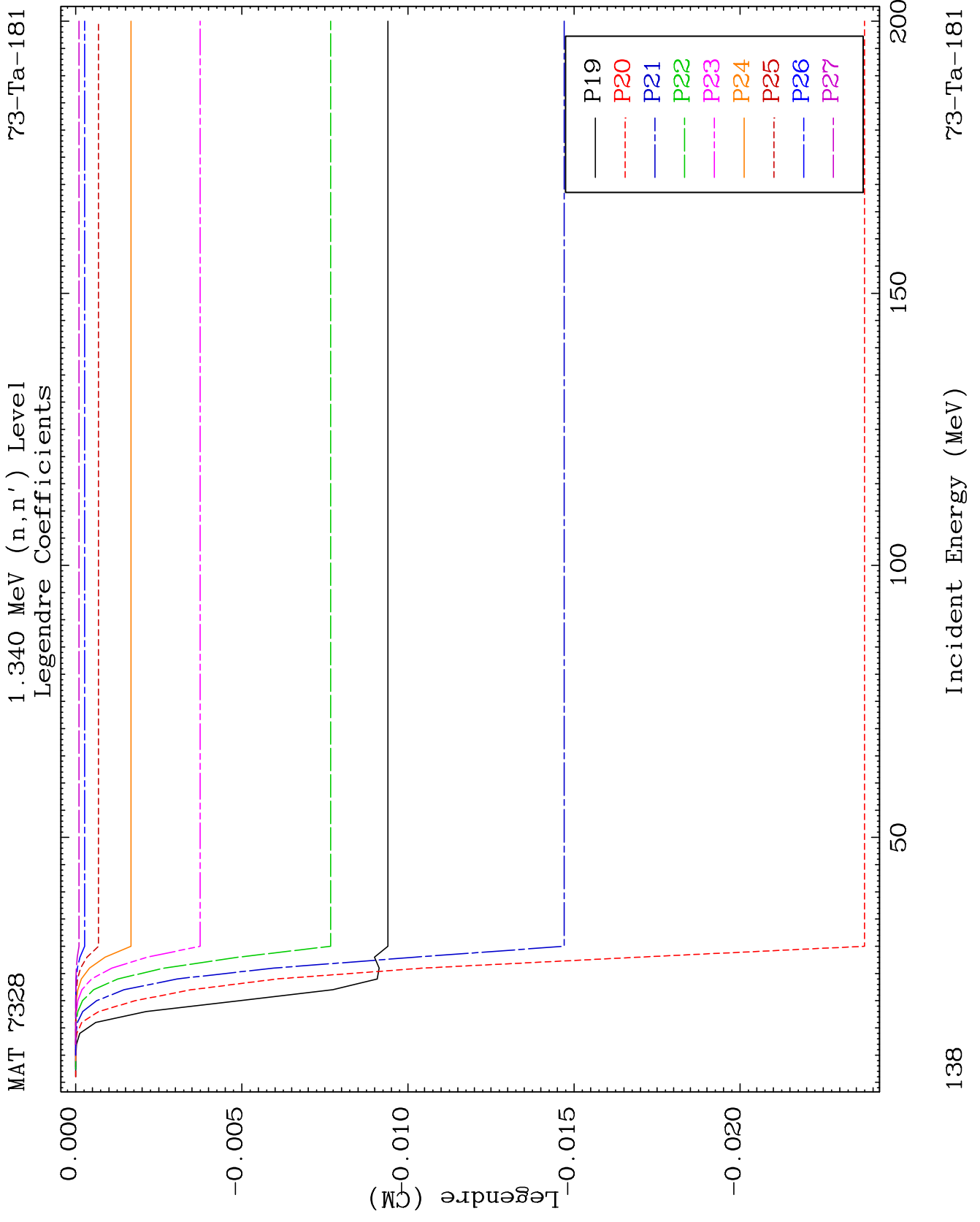
73-Ta-181

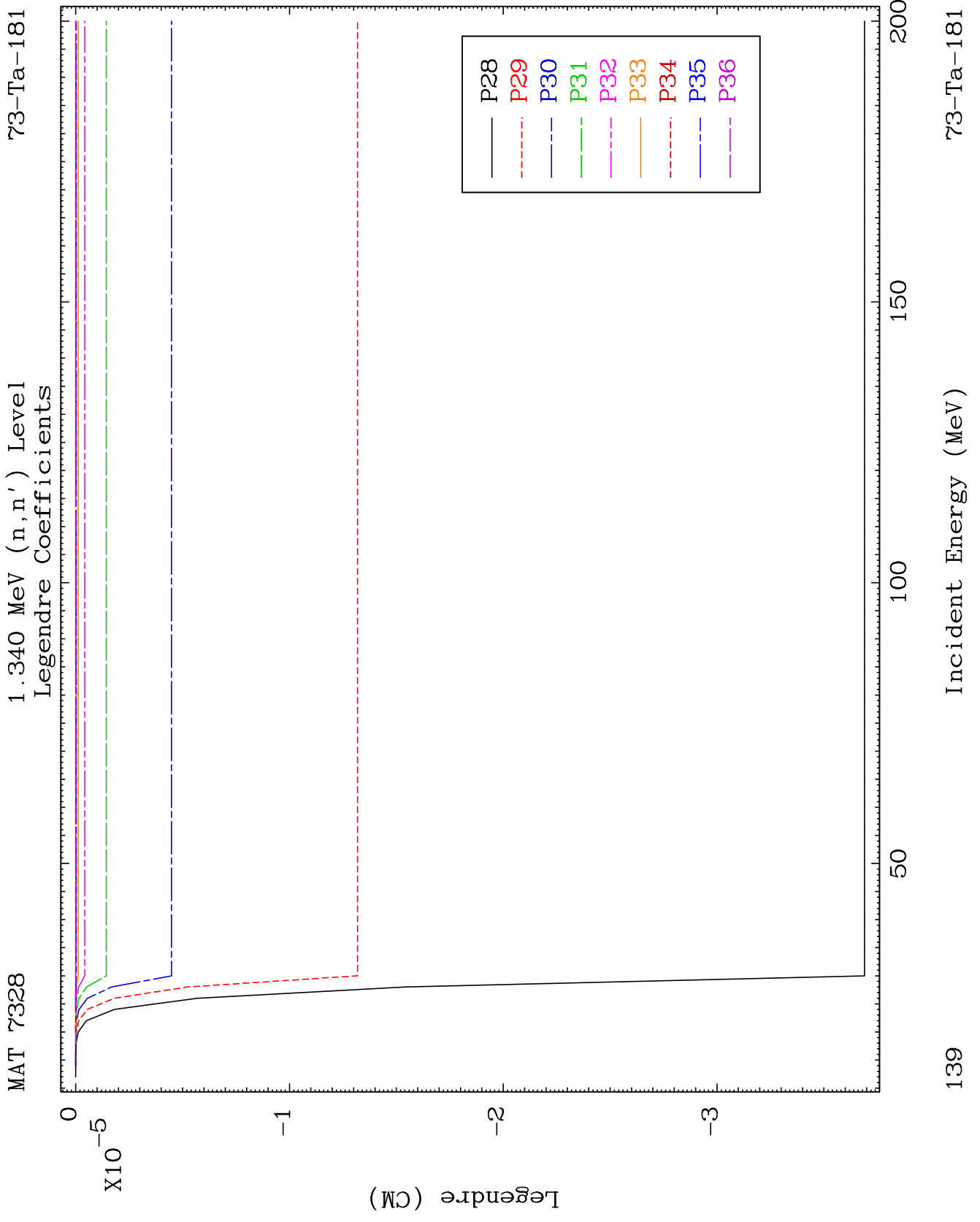


137

Incident Energy (MeV)

73-Ta-181



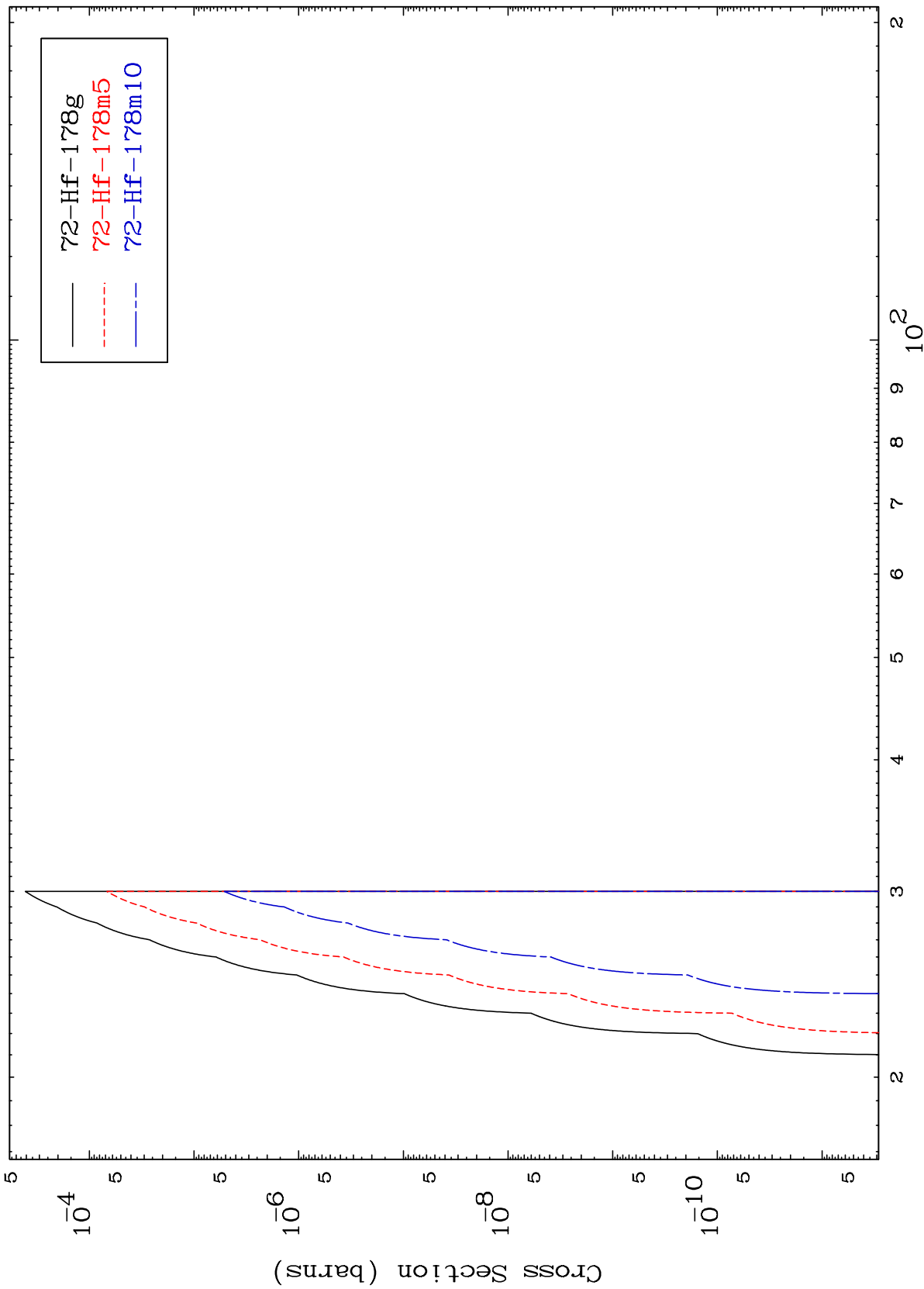


MAT 7328

(n,2n) d

73-Ta-181

Radionuclide Production Cross Section



140

Incident Energy (MeV)

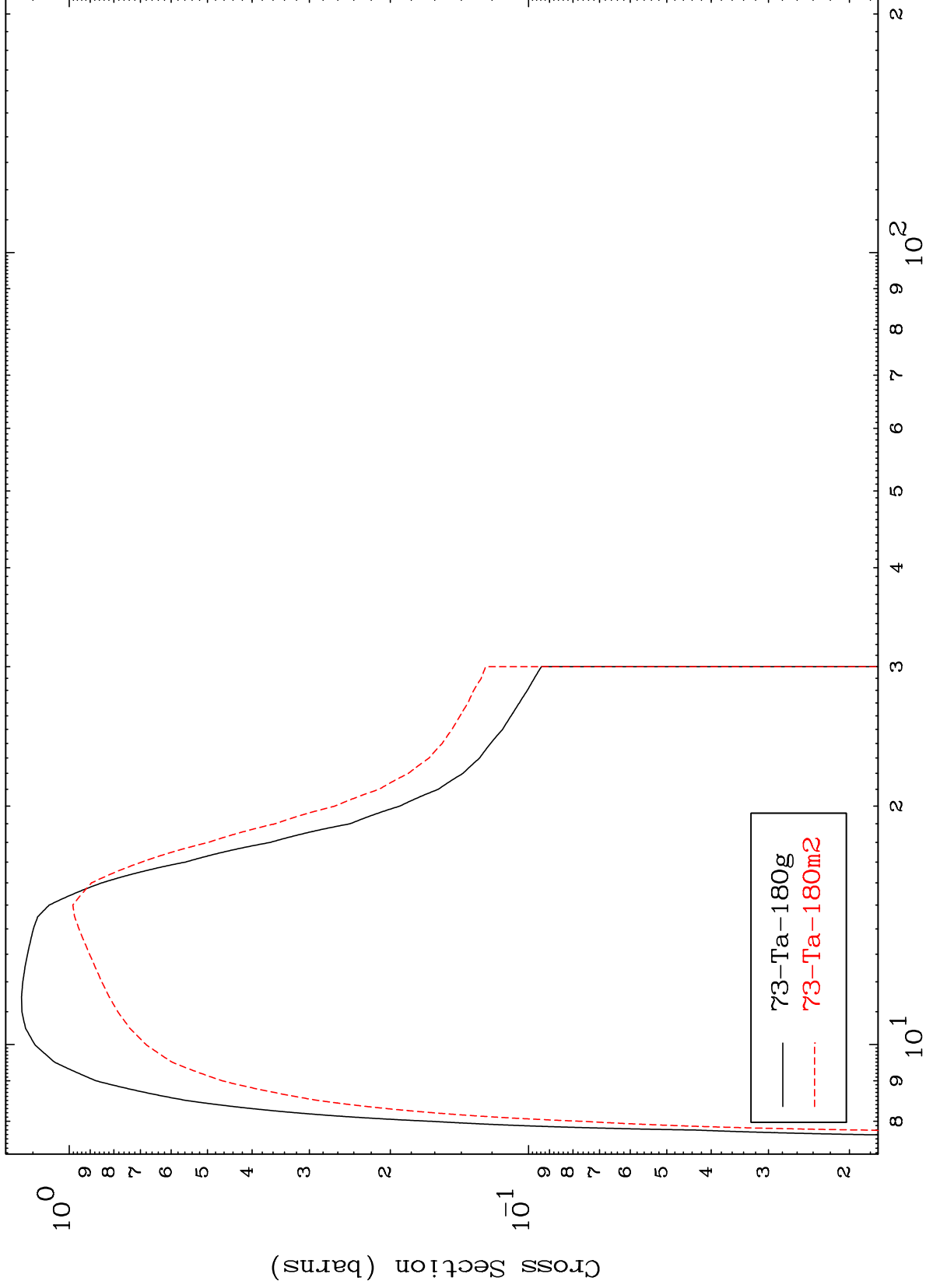
73-Ta-181

MAT 7328

(n,2n)

⁷³Ta-181

Radionuclide Production Cross Section



141

Incident Energy (MeV)

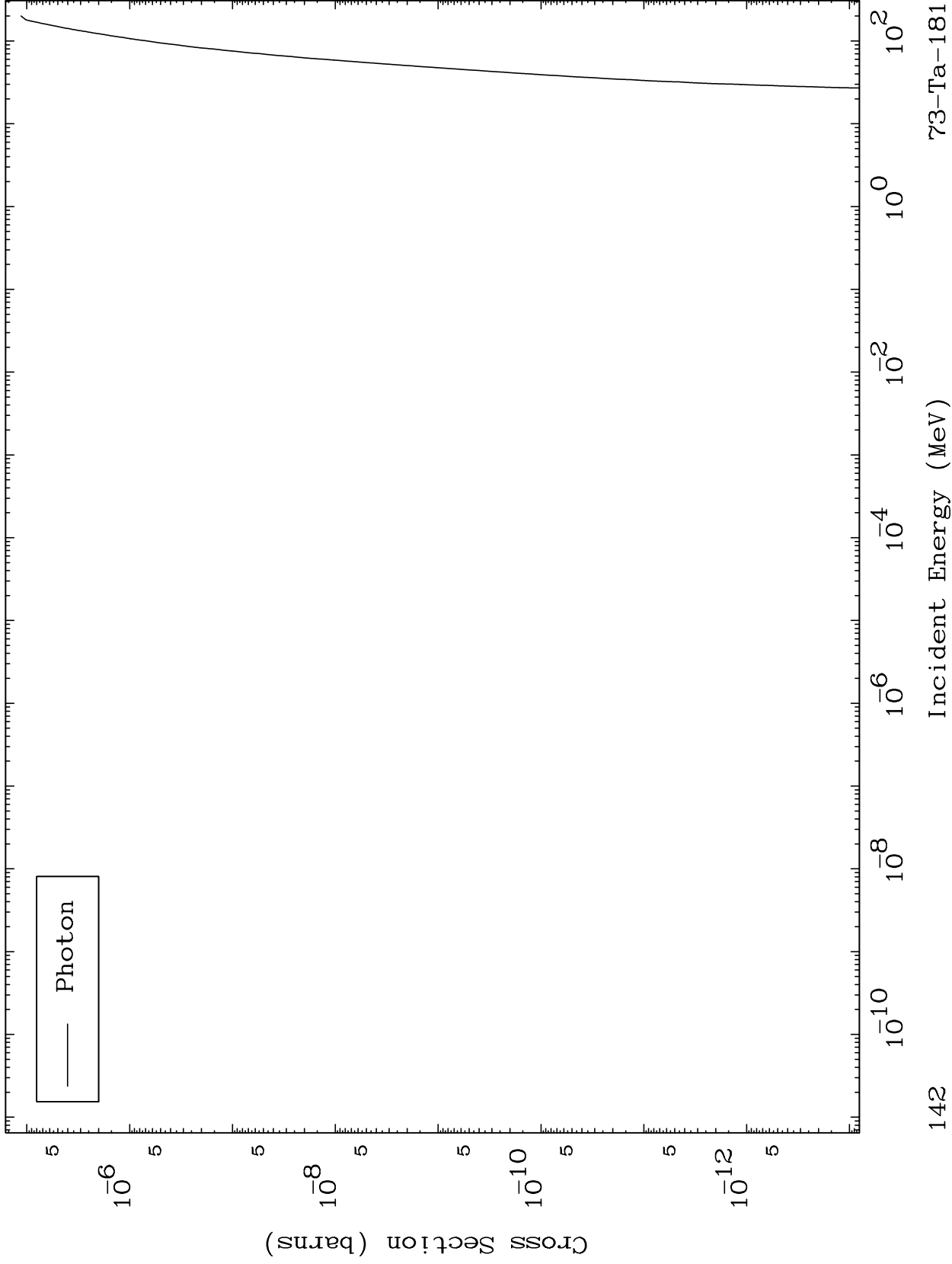
⁷³Ta-181

MAT 7328

Fission

⁷³Ta-181

Radionuclide Production Cross Section



142

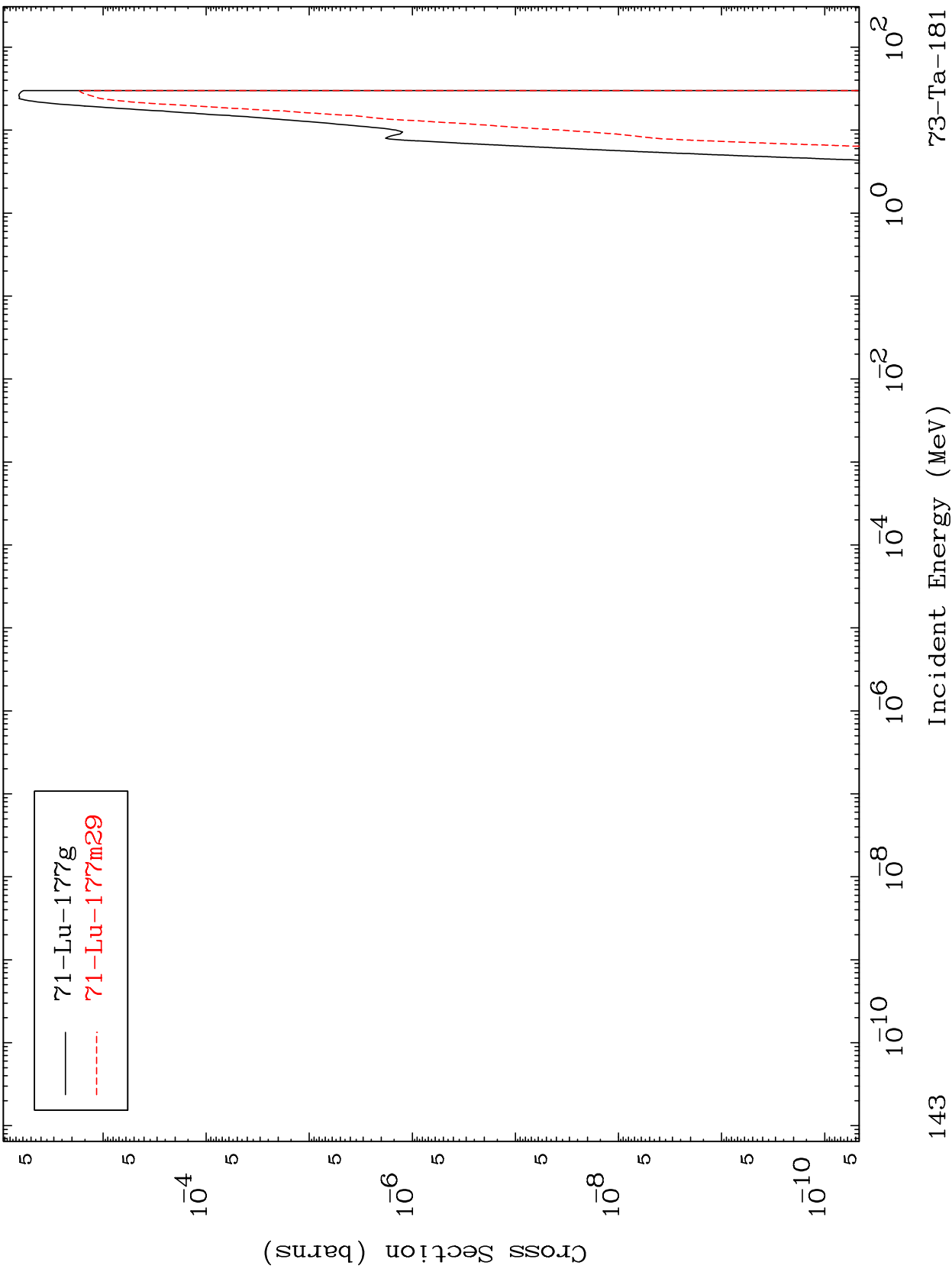
⁷³Ta-181

MAT 7328

$(n, n') \alpha$

$^{73}\text{Ta-181}$

Radionuclide Production Cross Section

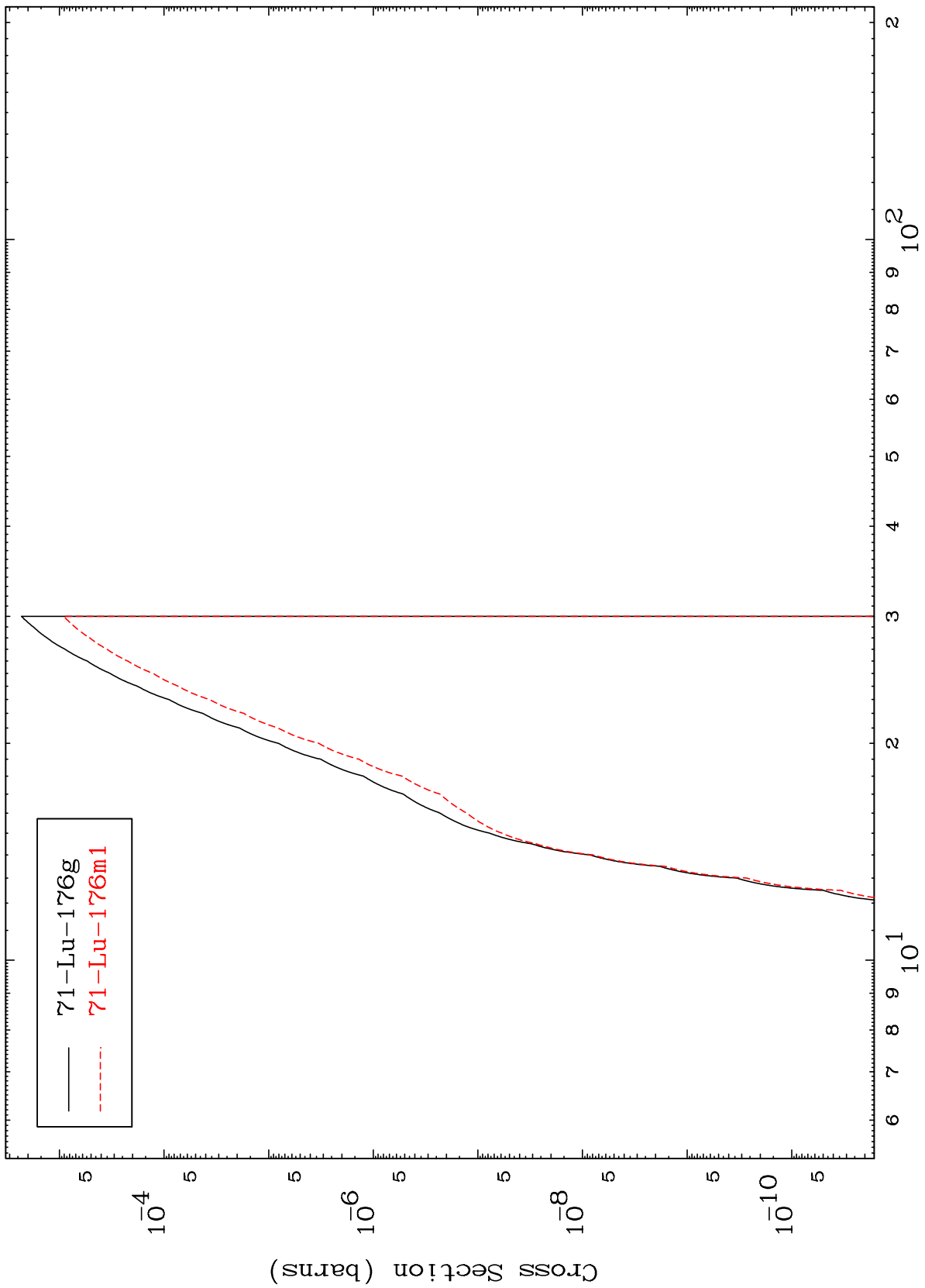


MAT 7328

$(n,2n)$ α

$^{73}\text{Ta-181}$

Radionuclide Production Cross Section



144

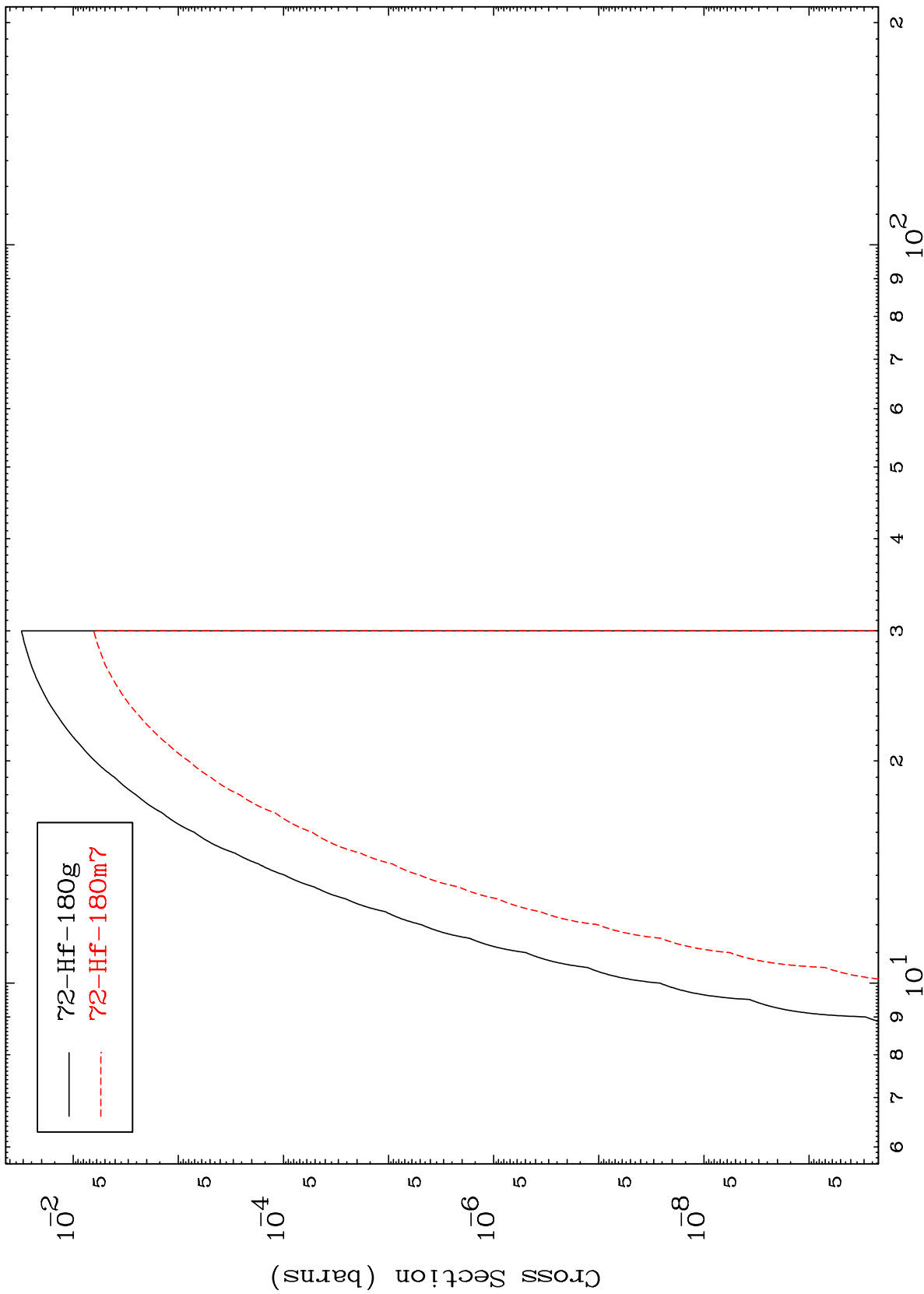
Incident Energy (MeV)

$^{73}\text{Ta-181}$

MAT 7328

73-Ta-181

(n,n') p
Radionuclide Production Cross Section



145

Incident Energy (MeV)

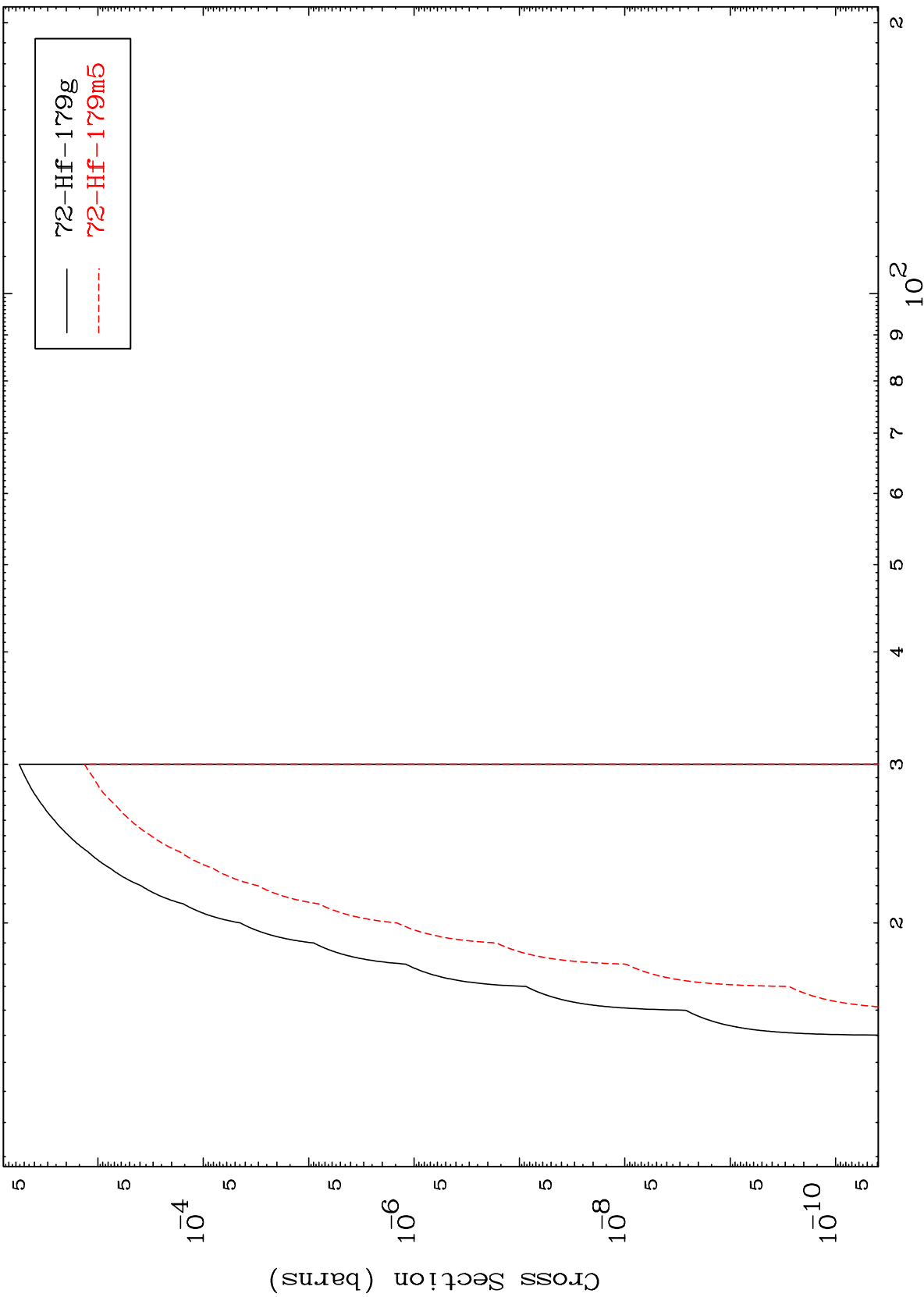
73-Ta-181

MAT 7328

(n,n') d

73-Ta-181

Radionuclide Production Cross Section

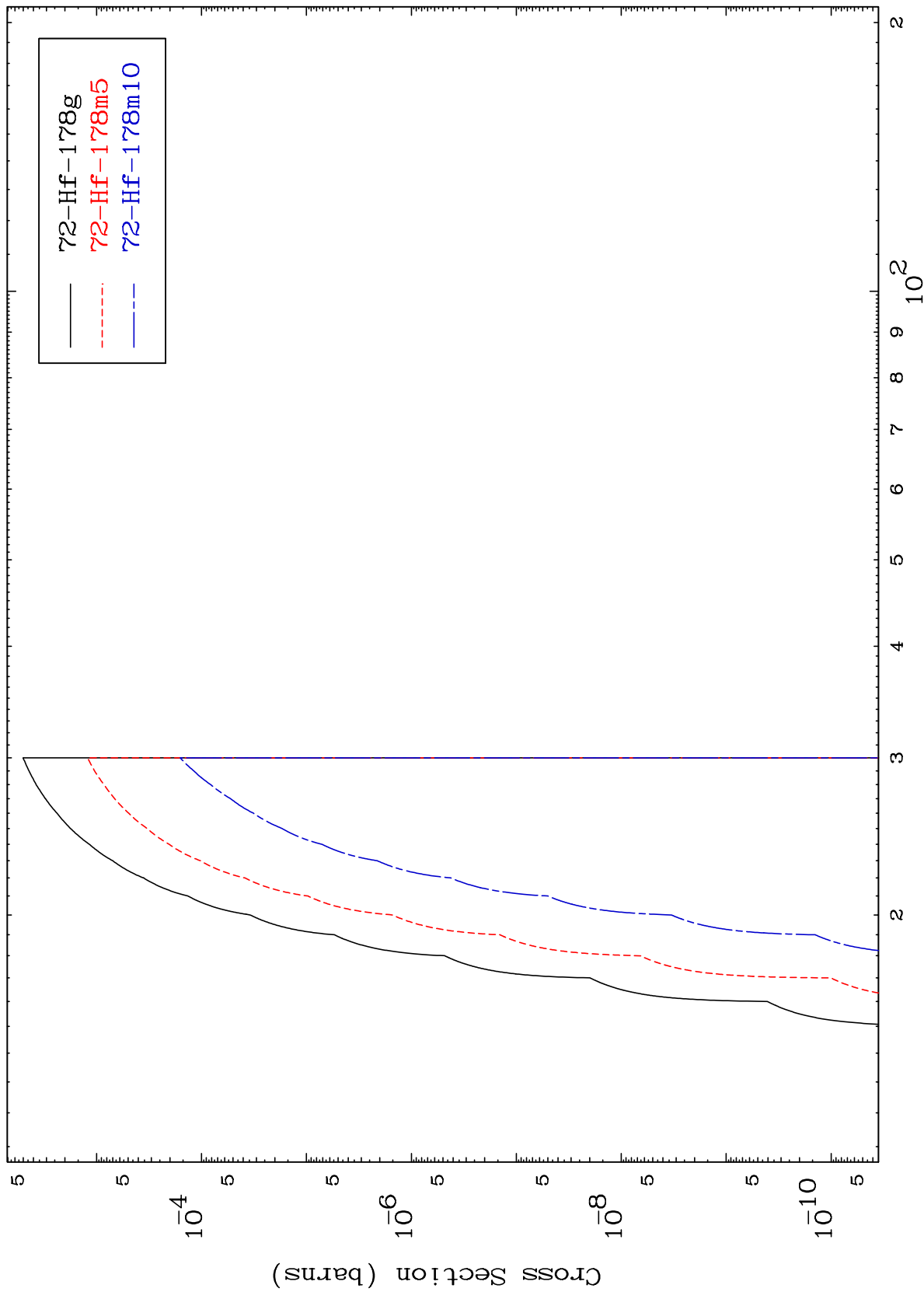


146

Incident Energy (MeV)

73-Ta-181

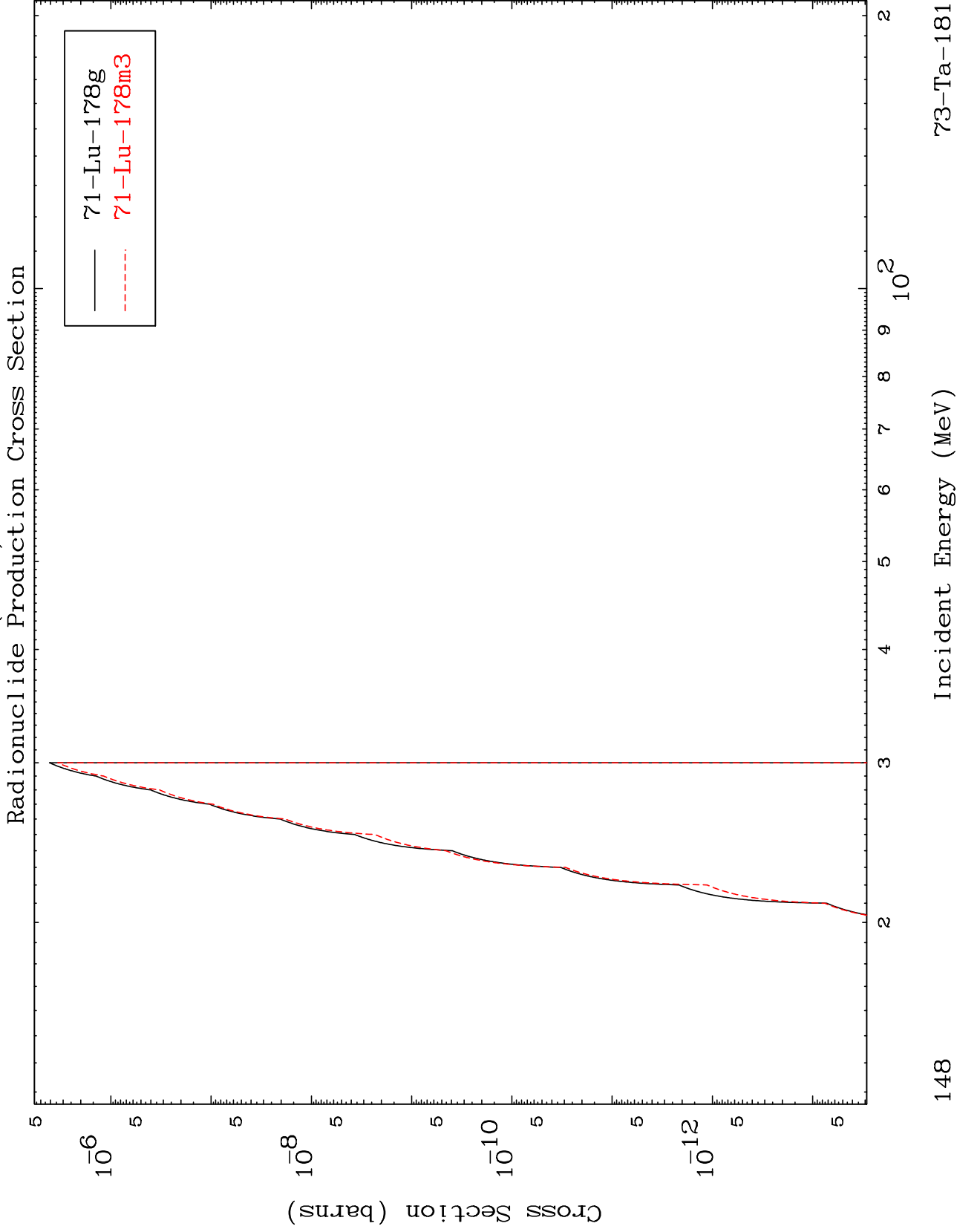
Radionuclide Production Cross Section



MAT 7328

(n,n') He-3

73-Ta-181



148

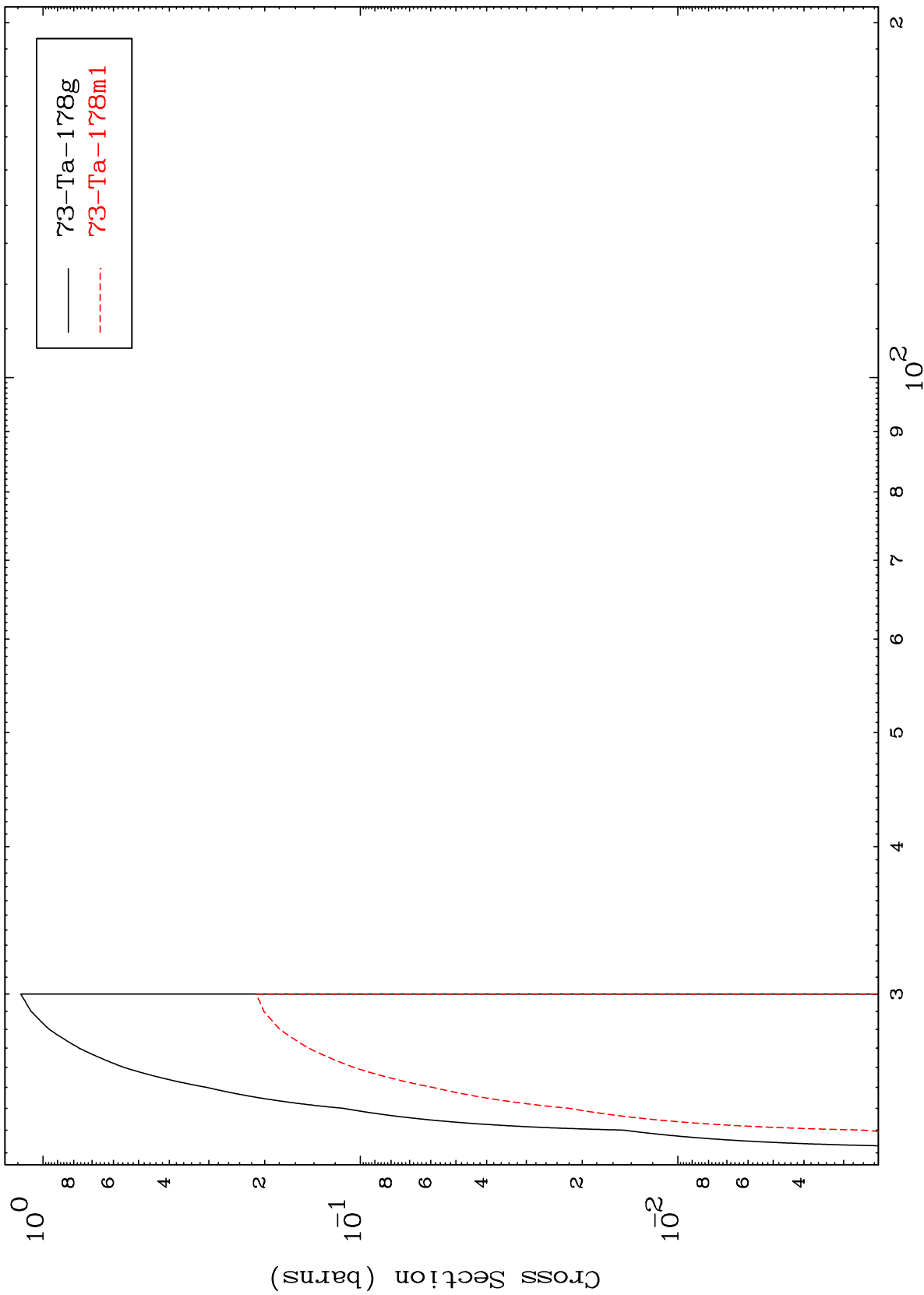
73-Ta-181

MAT 7328

⁷³Ta-181

(n,4n)

Radionuclide Production Cross Section



149

⁷³Ta-181

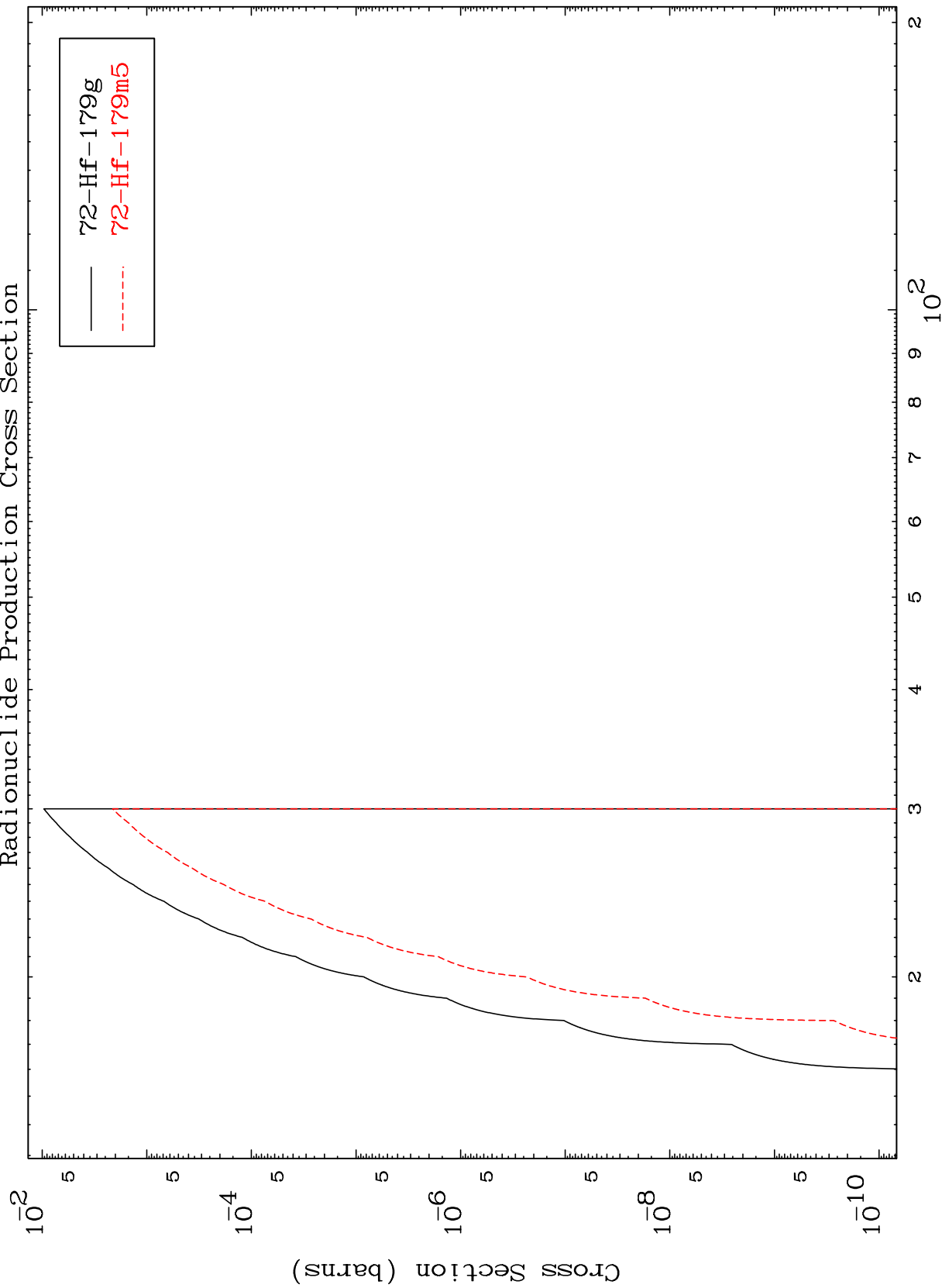
Incident Energy (MeV)

MAT 7328

(n,2n) p

73-Ta-181

Radionuclide Production Cross Section



150

Incident Energy (MeV)

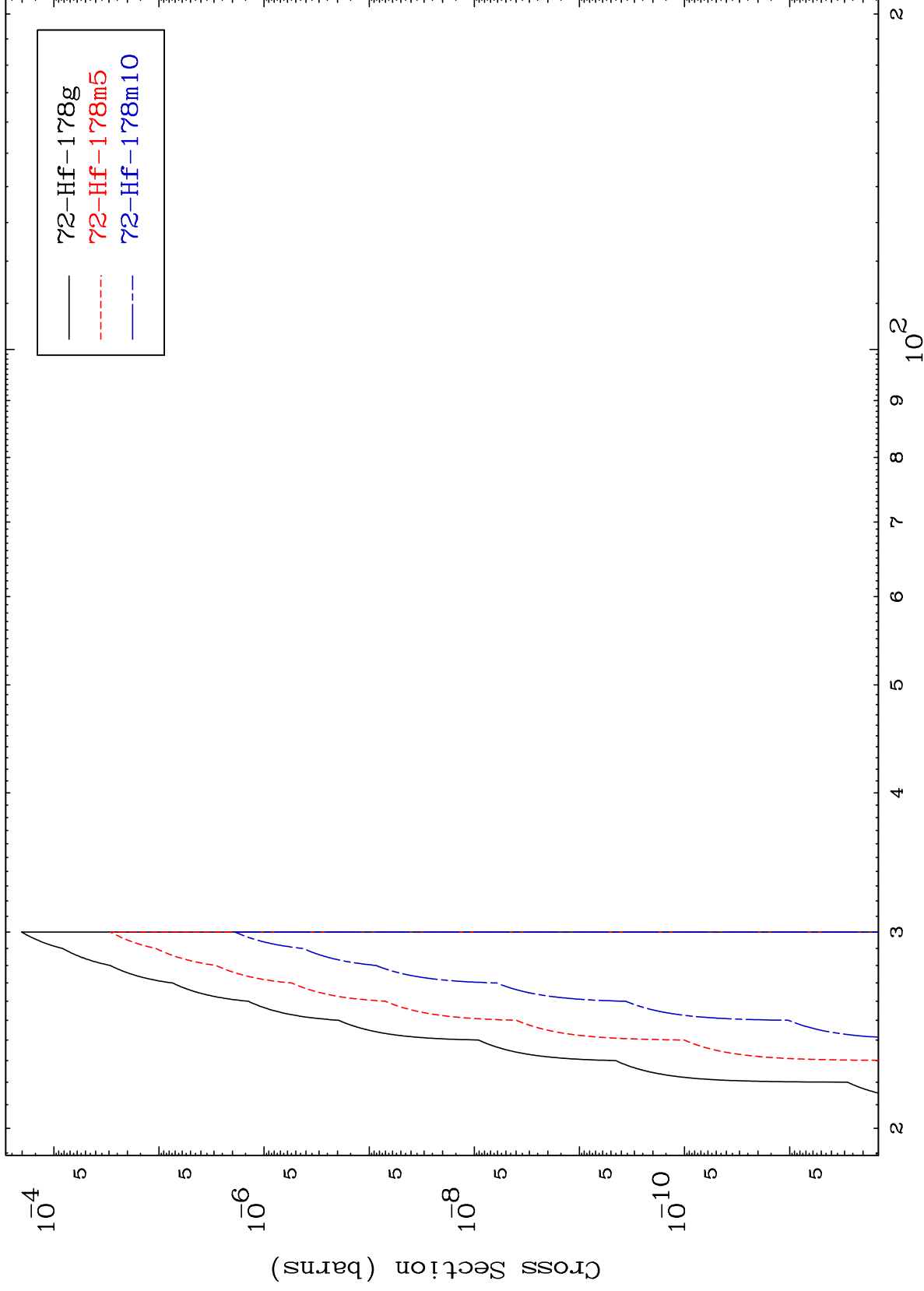
73-Ta-181

MAT 7328

(n,3n) p

73-Ta-181

Radionuclide Production Cross Section



151

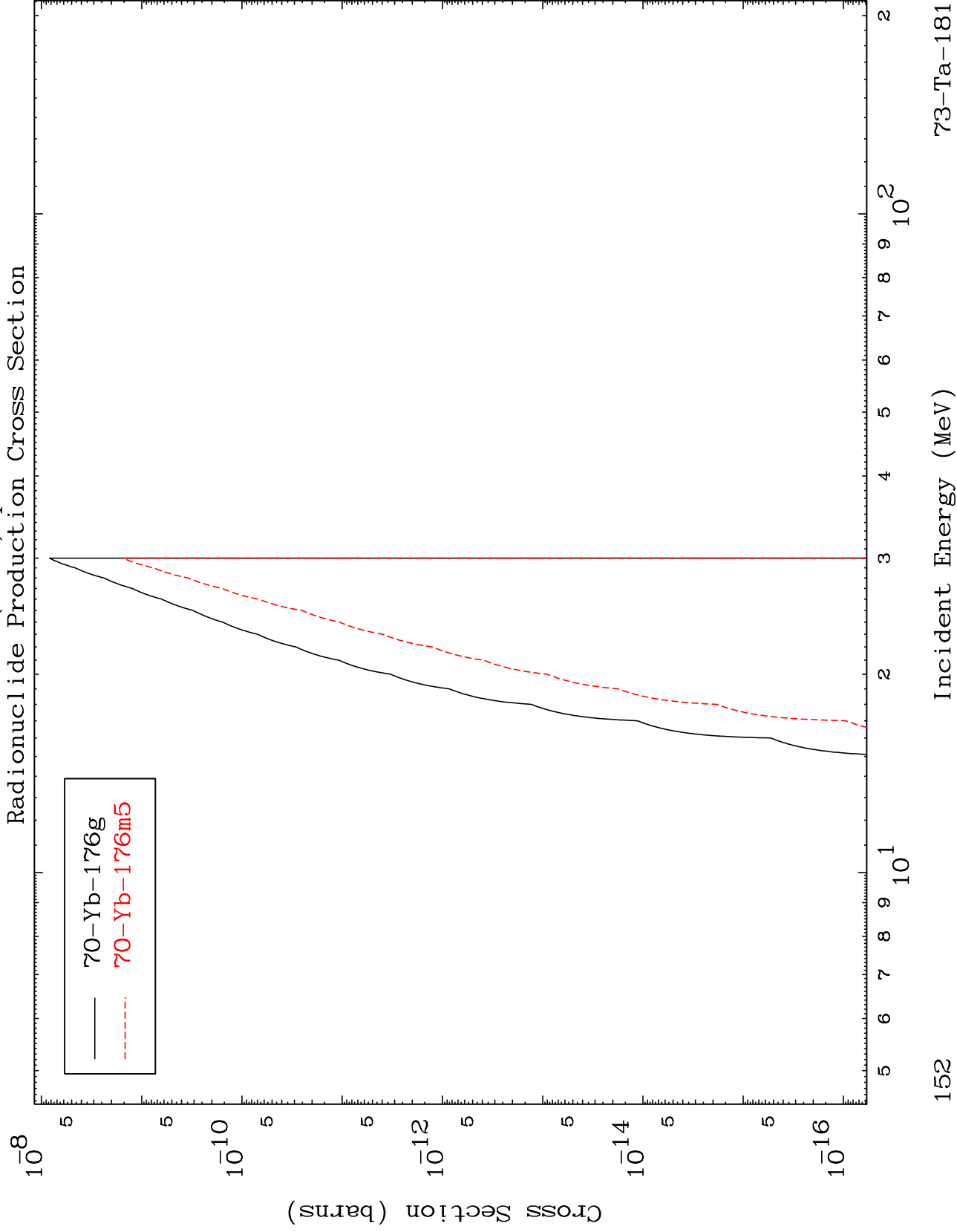
Incident Energy (MeV)

73-Ta-181

MAT 7328

(n,n') p α

73-Ta-181



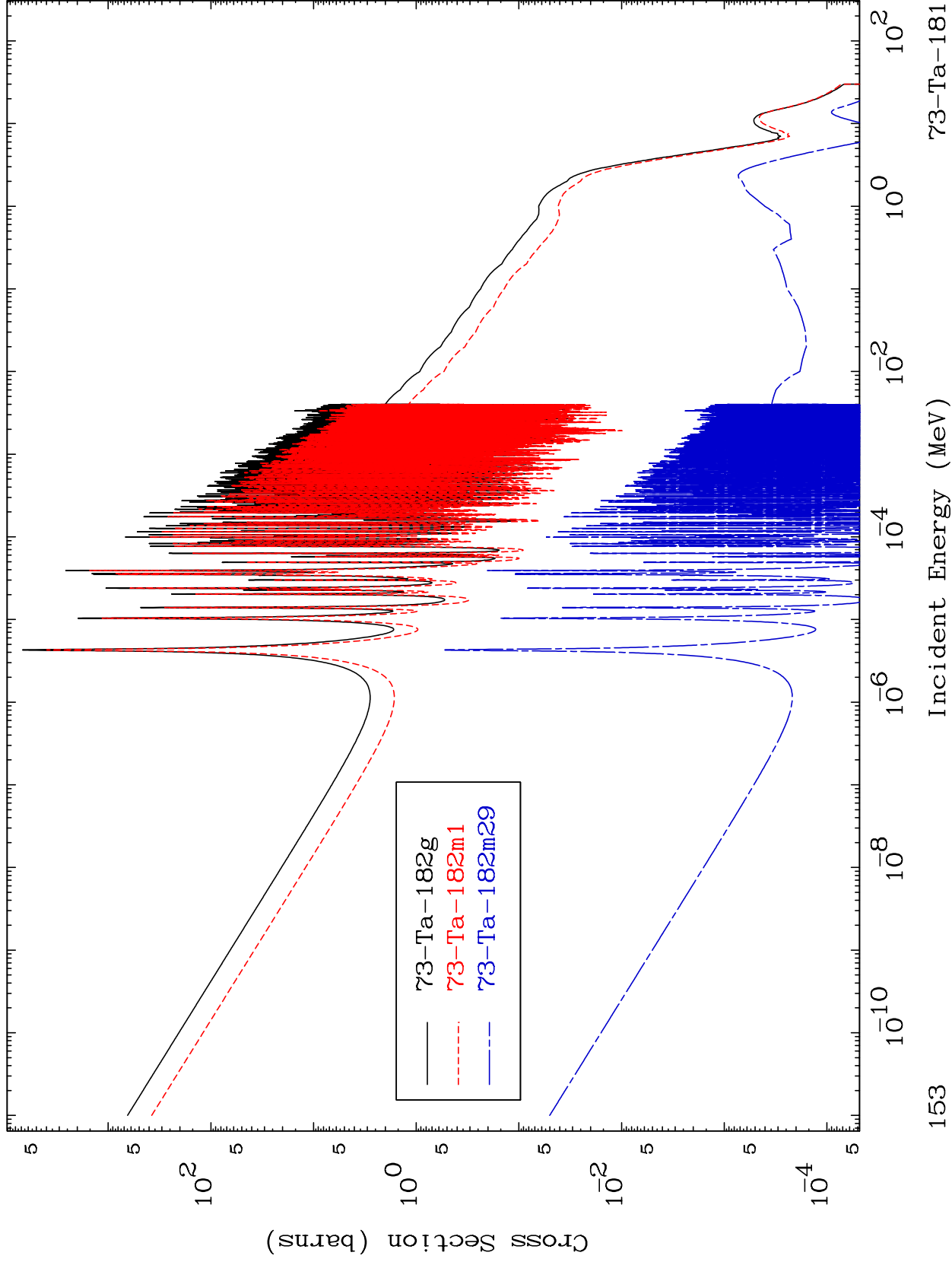
152

Incident Energy (MeV)

73-Ta-181

Radionuclide Production Cross Section

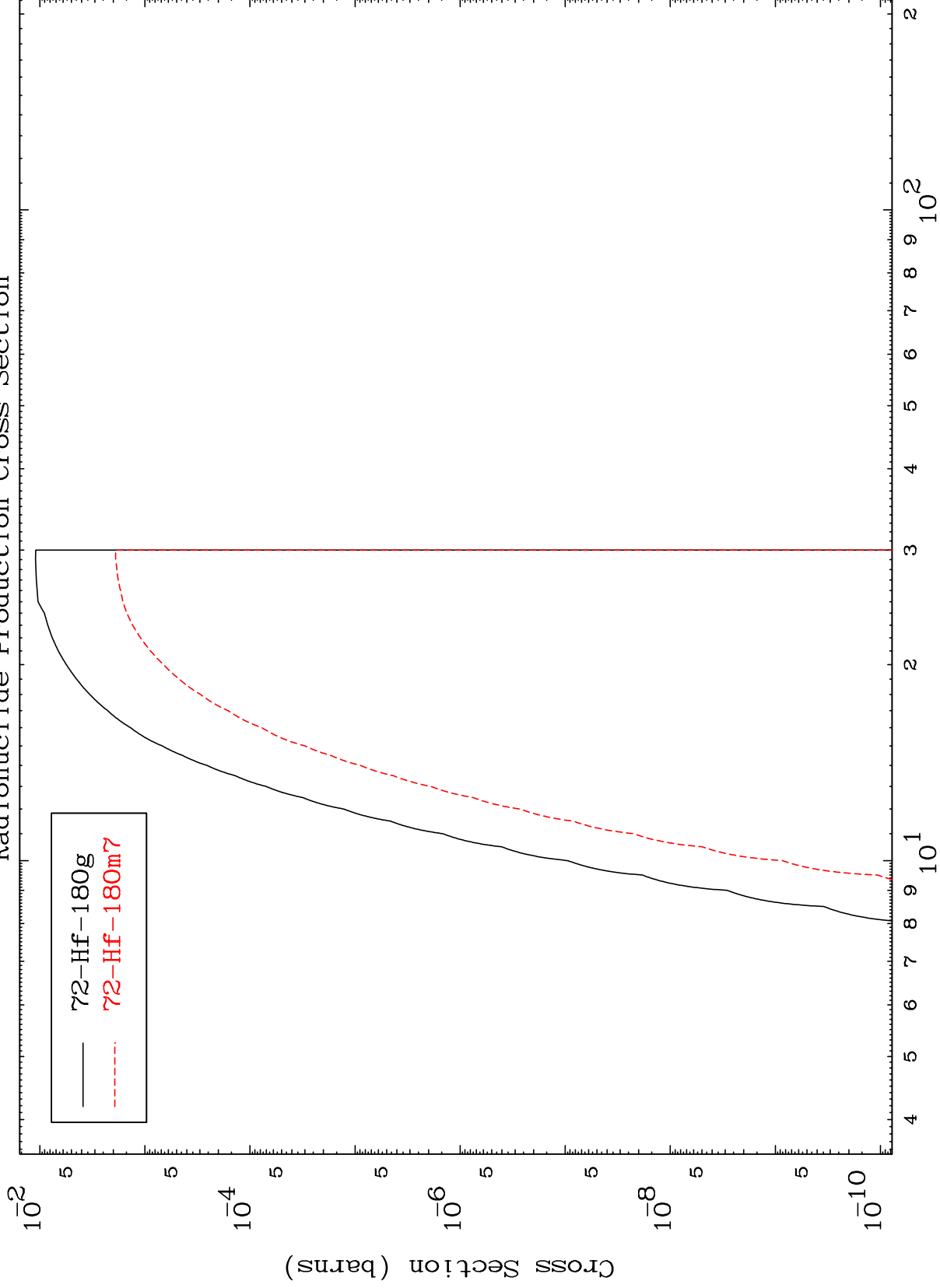
(n,γ)



MAT 7328

⁷³Ta-181

Radionuclide Production Cross Section (n,d)



Incident Energy (MeV)

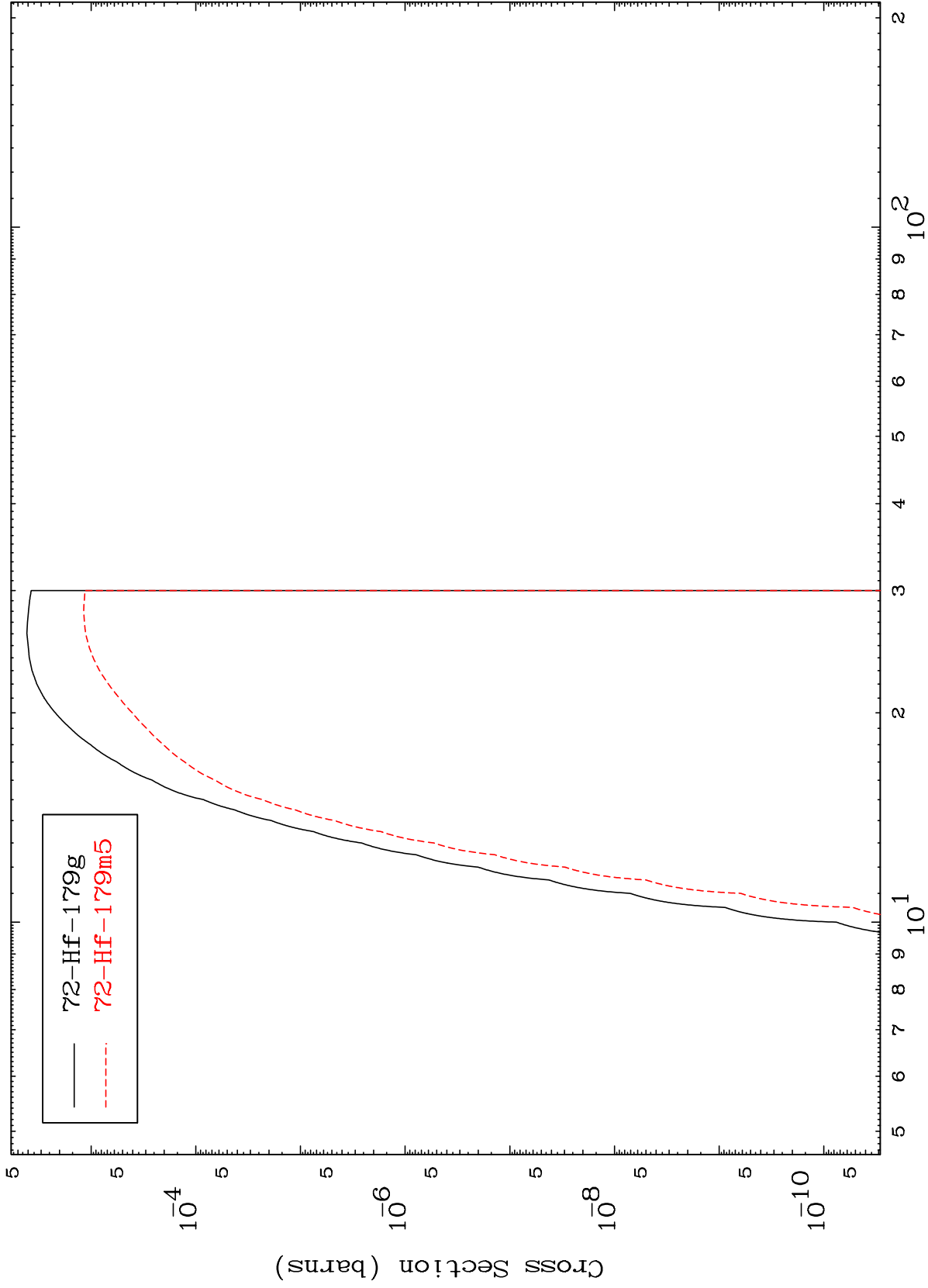
⁷³Ta-181

154

MAT 7328

⁷³Ta-181

Radionuclide Production Cross Section (n,t)



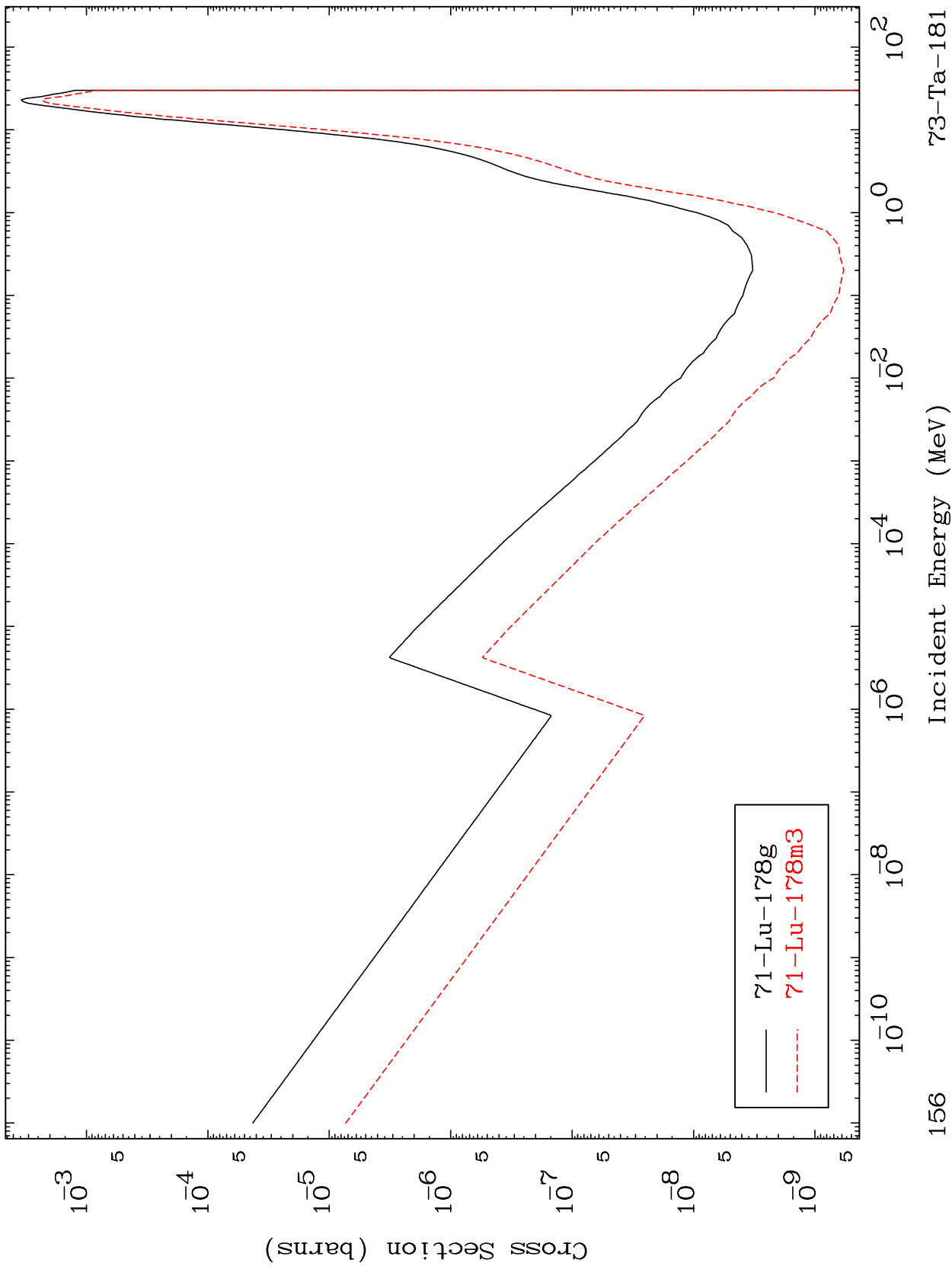
155

Incident Energy (MeV)

⁷³Ta-181

Radionuclide Production Cross Section

(n, α)

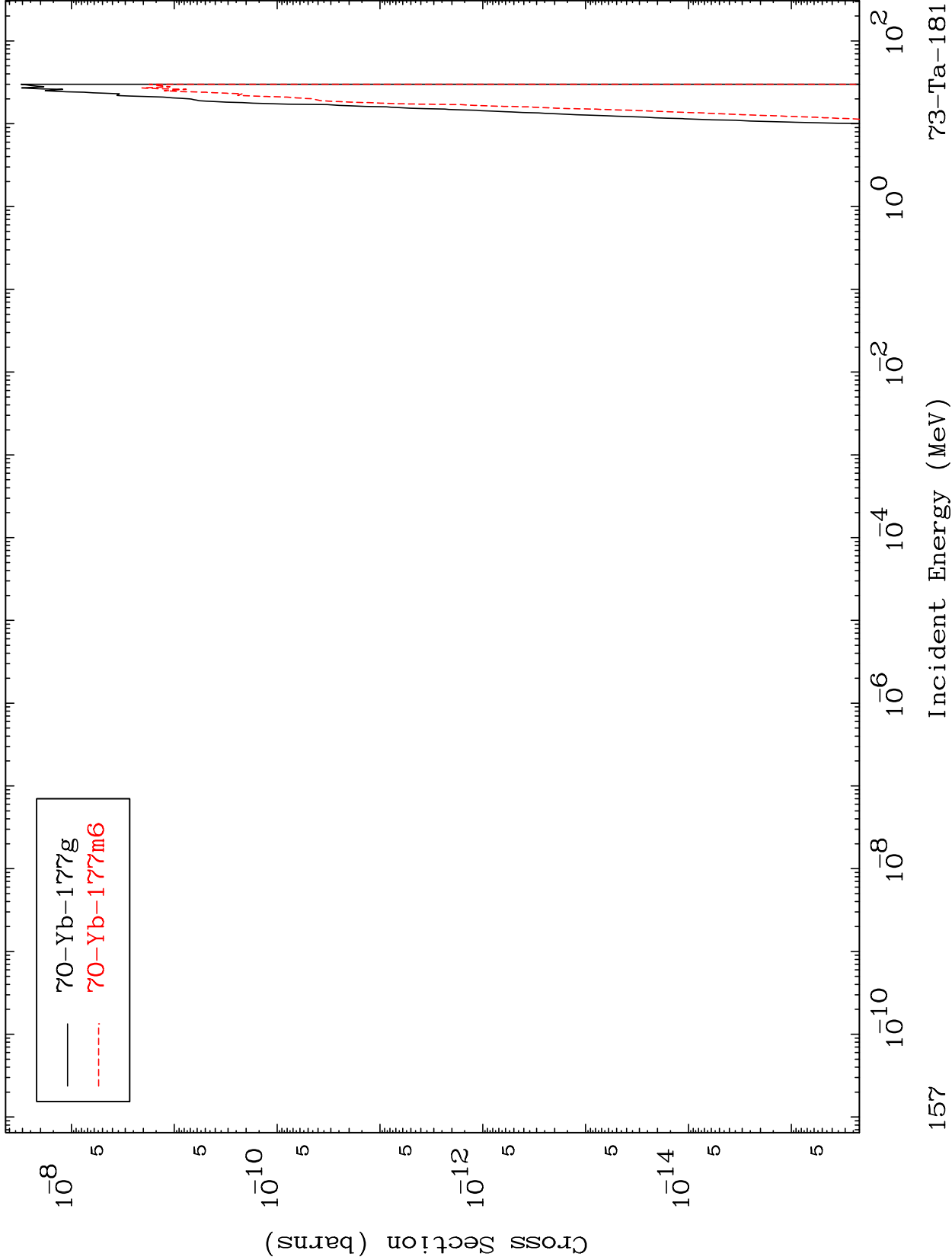


MAT 7328

(n,p) α

⁷³Ta-181

Radionuclide Production Cross Section



157

Incident Energy (MeV)

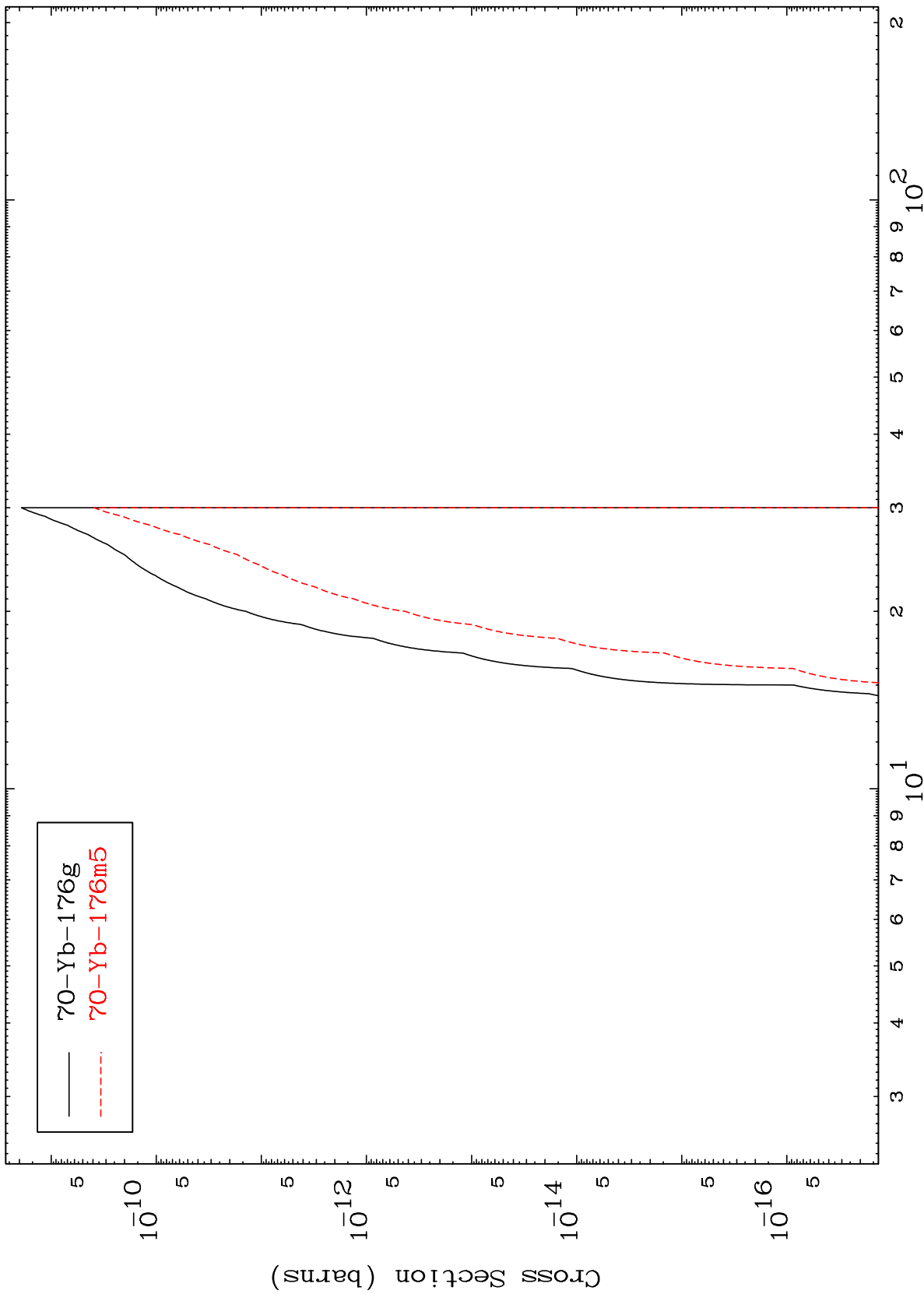
⁷³Ta-181

MAT 7328

(n,d) α

$^{73}\text{Ta-181}$

Radionuclide Production Cross Section



158

Incident Energy (MeV)

$^{73}\text{Ta-181}$