

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

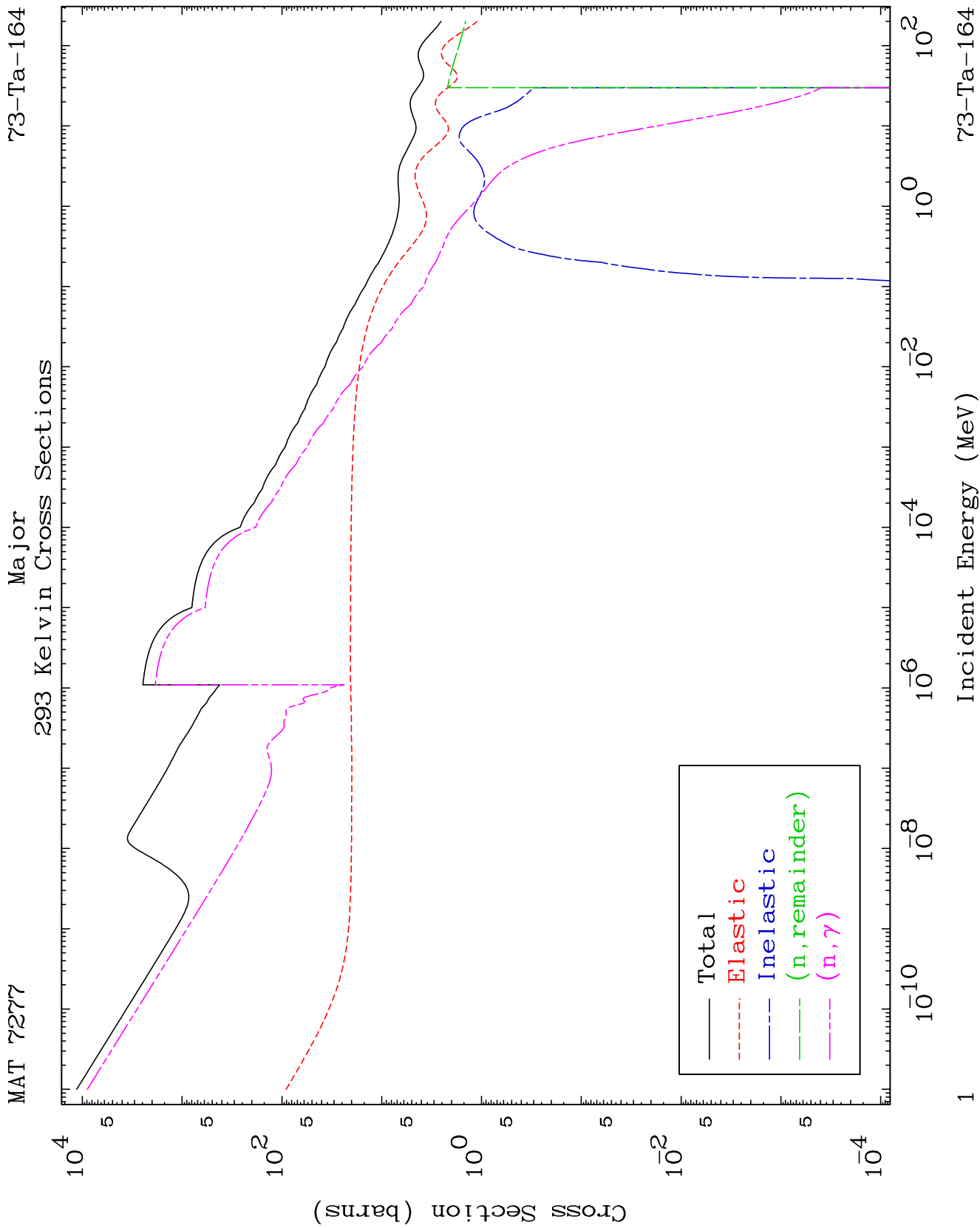
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

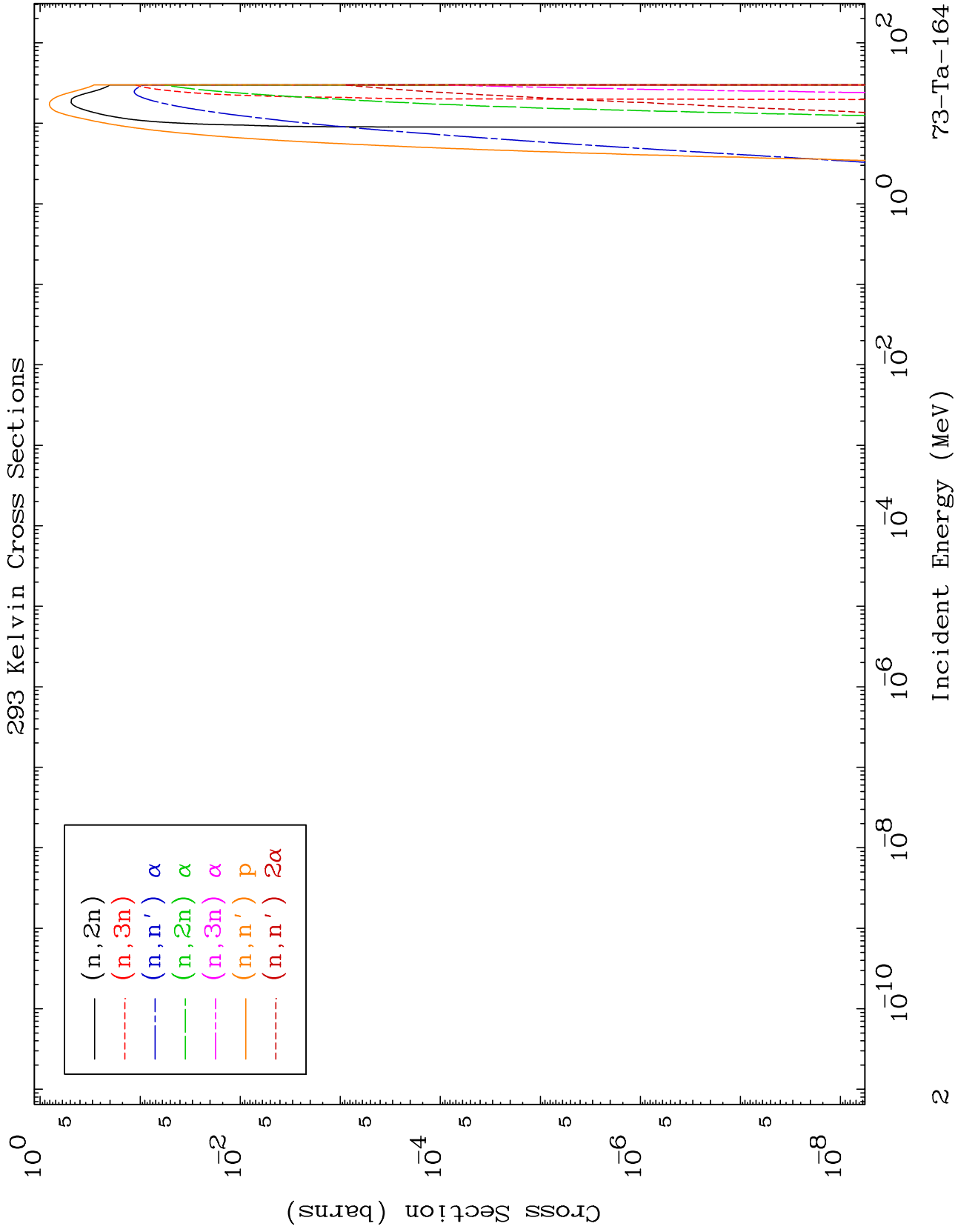
Press Mouse Button to Start

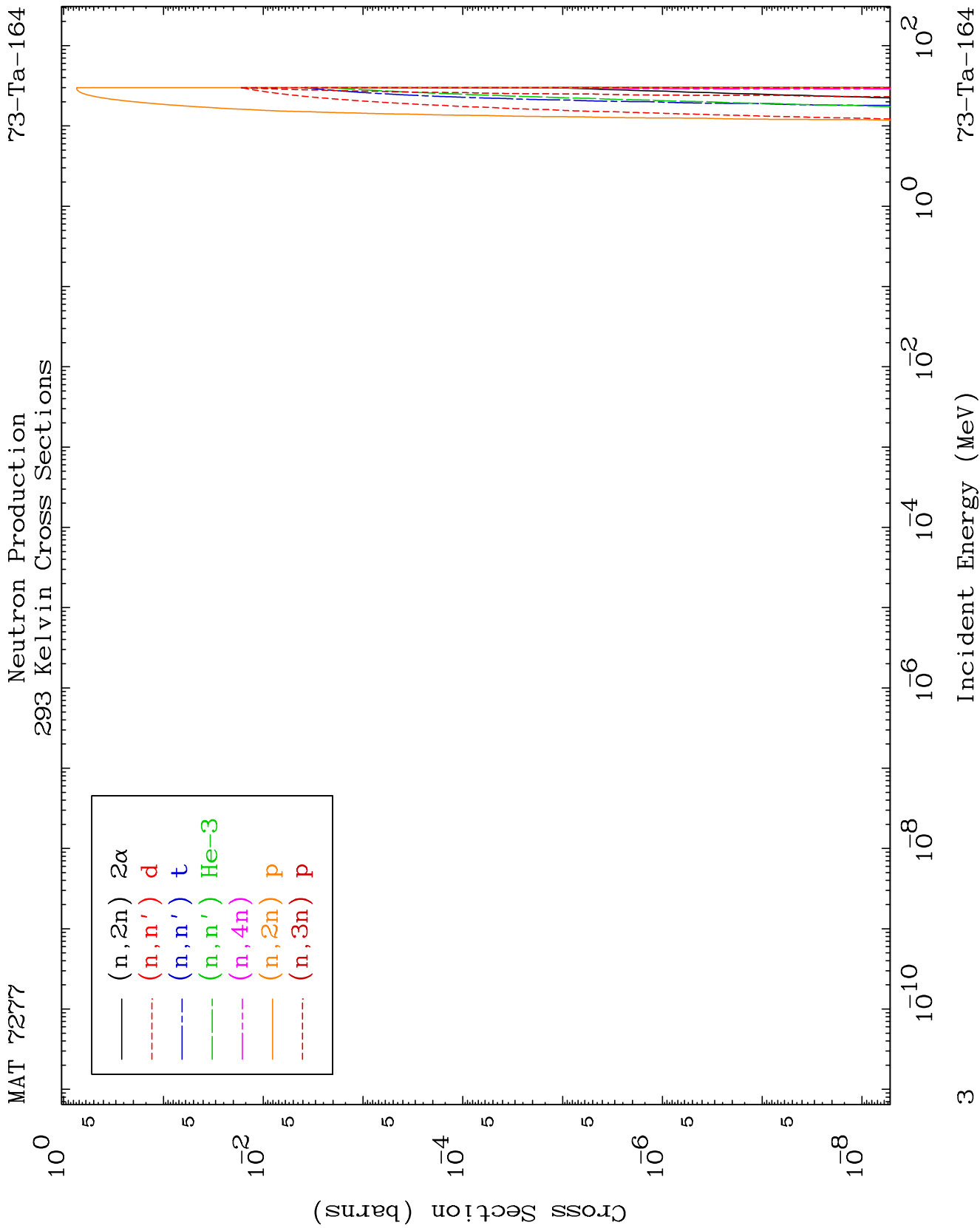


MAT 7277

Neutron Production
293 Kelvin Cross Sections

73-Ta-164



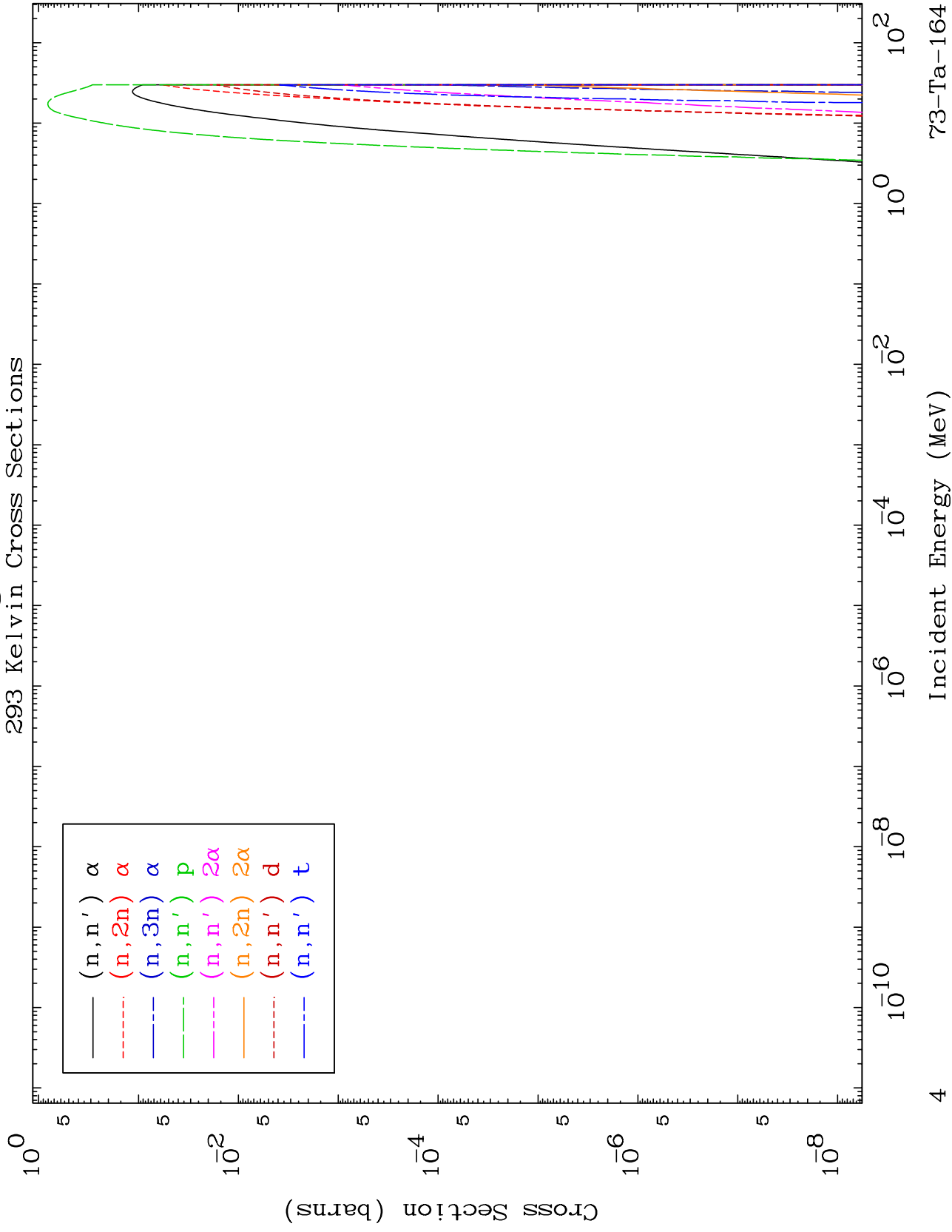


—	(n, 2n)	2α
- - -	(n, n')	d
- · - ·	(n, n')	t
- · - · - ·	(n, n')	He-3
- - -	(n, 4n)	
—	(n, 2n)	p
- - -	(n, 3n)	p

MAT 7277

Charged Particle
293 Kelvin Cross Sections

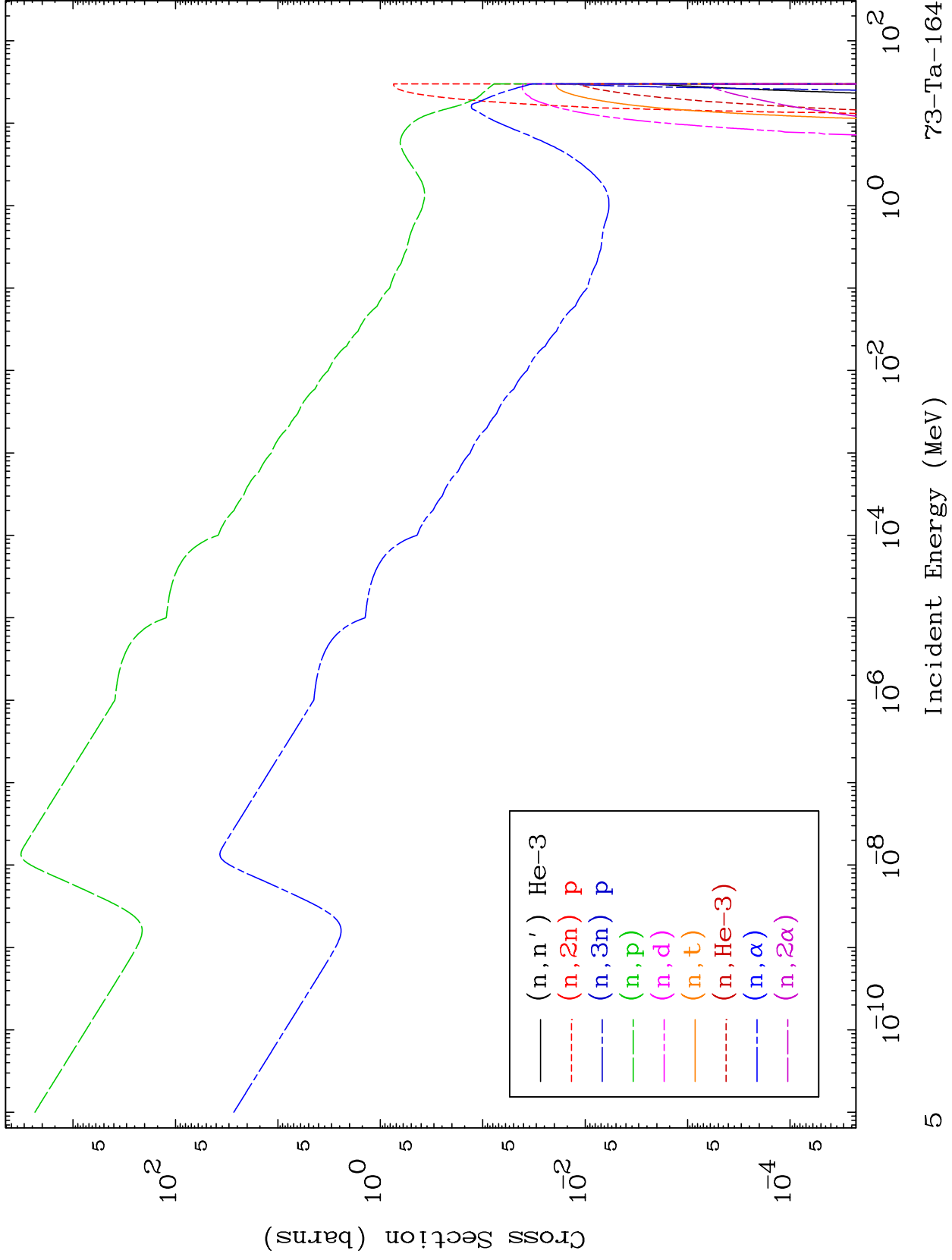
73-Ta-164



MAT 7277

Charged Particle
293 Kelvin Cross Sections

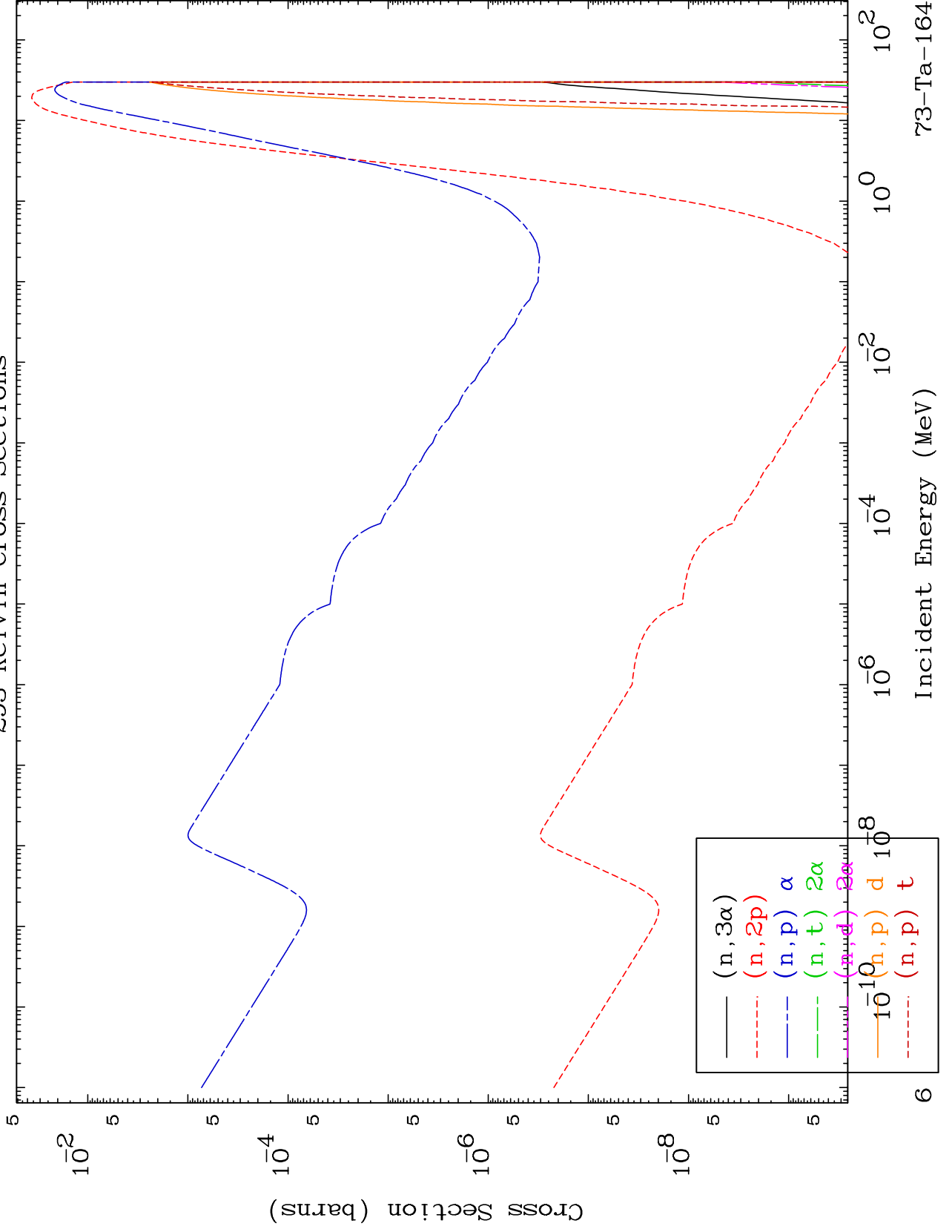
73-Ta-164



MAT 7277

Charged Particle
293 Kelvin Cross Sections

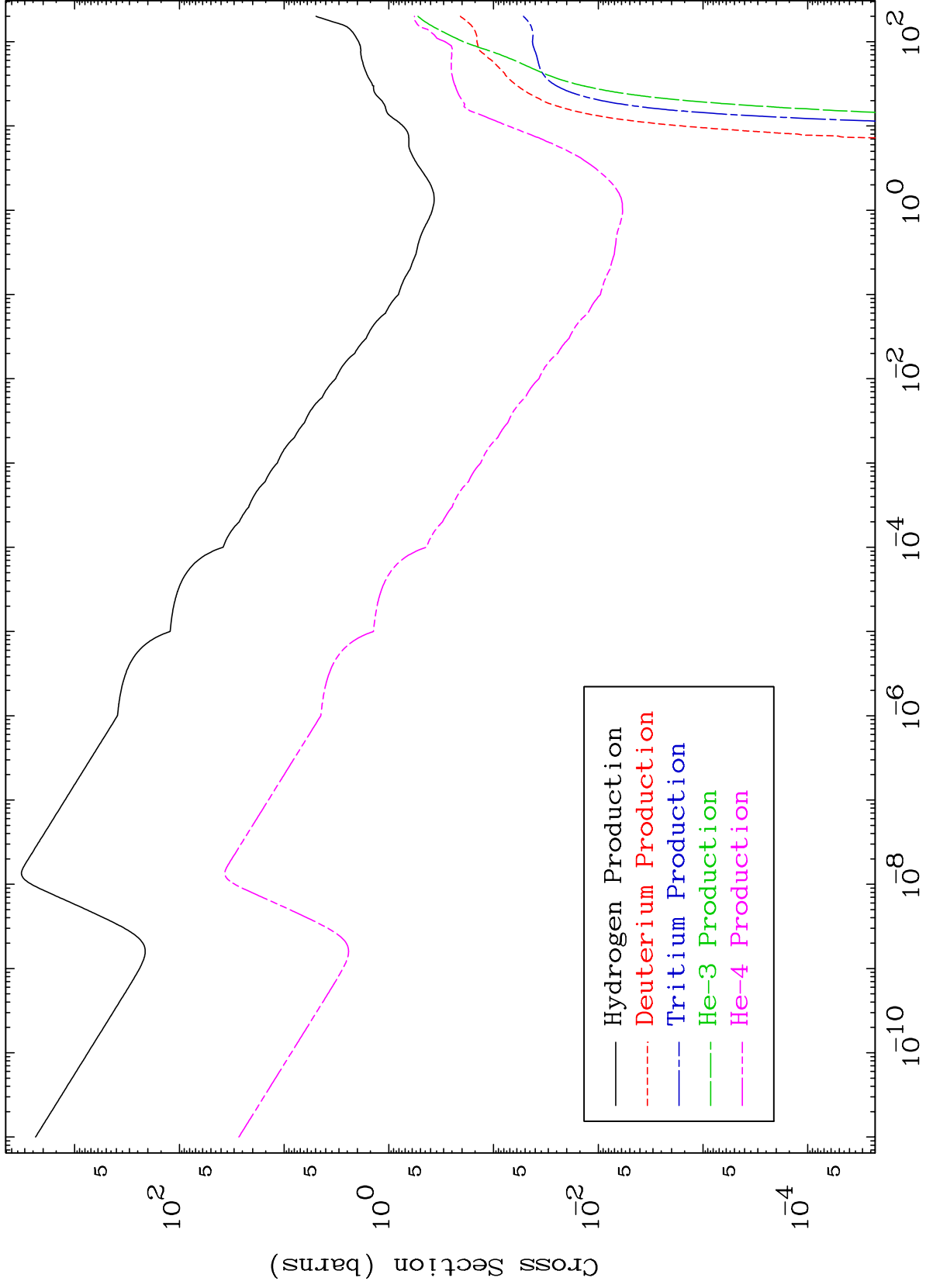
73-Ta-164



MAT 7277

Particle Production
293 Kelvin Cross Sections

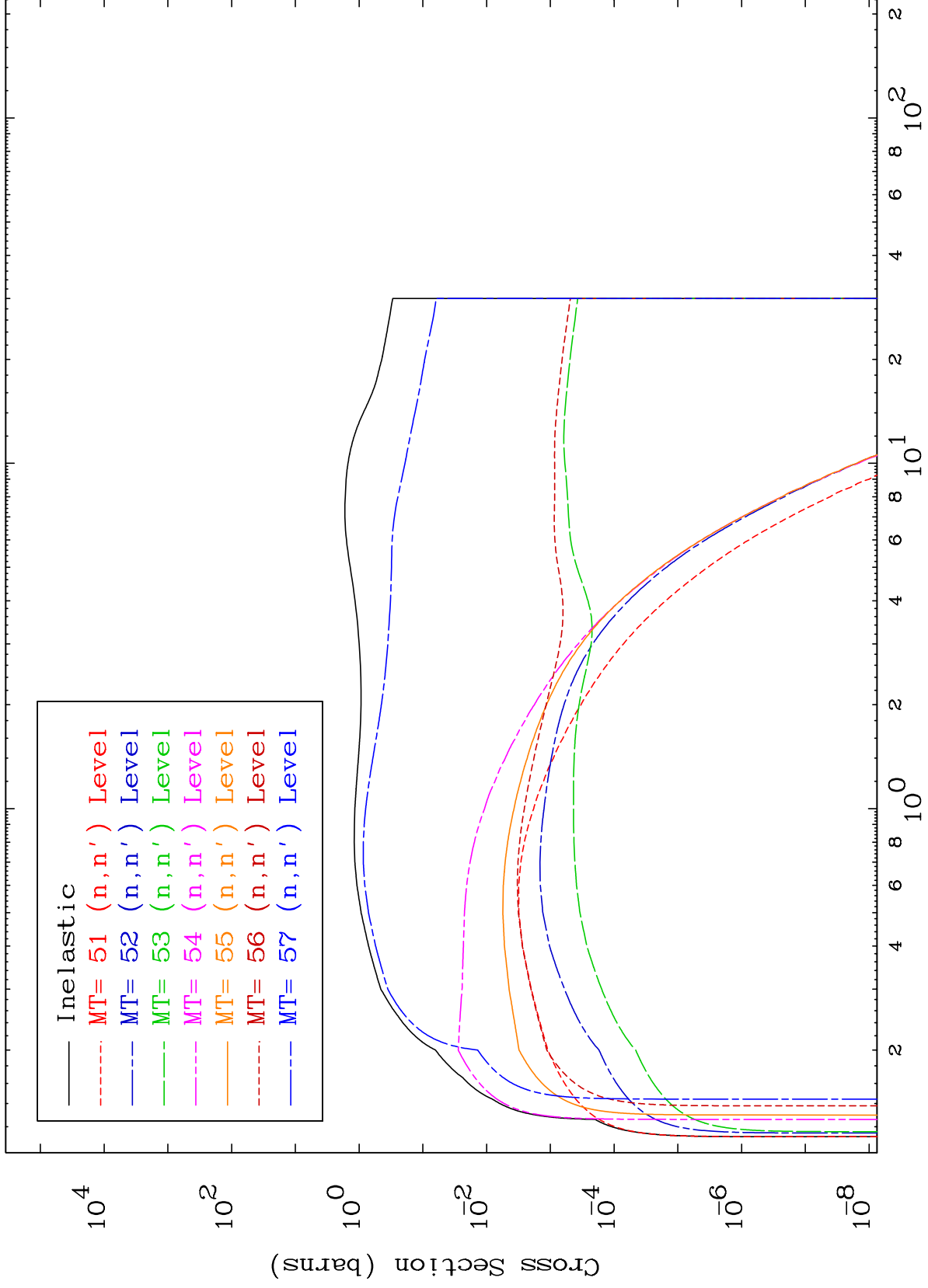
73-Ta-164



MAT 7277

(n,n') Level
293 Kelvin Cross Sections

73-Ta-164

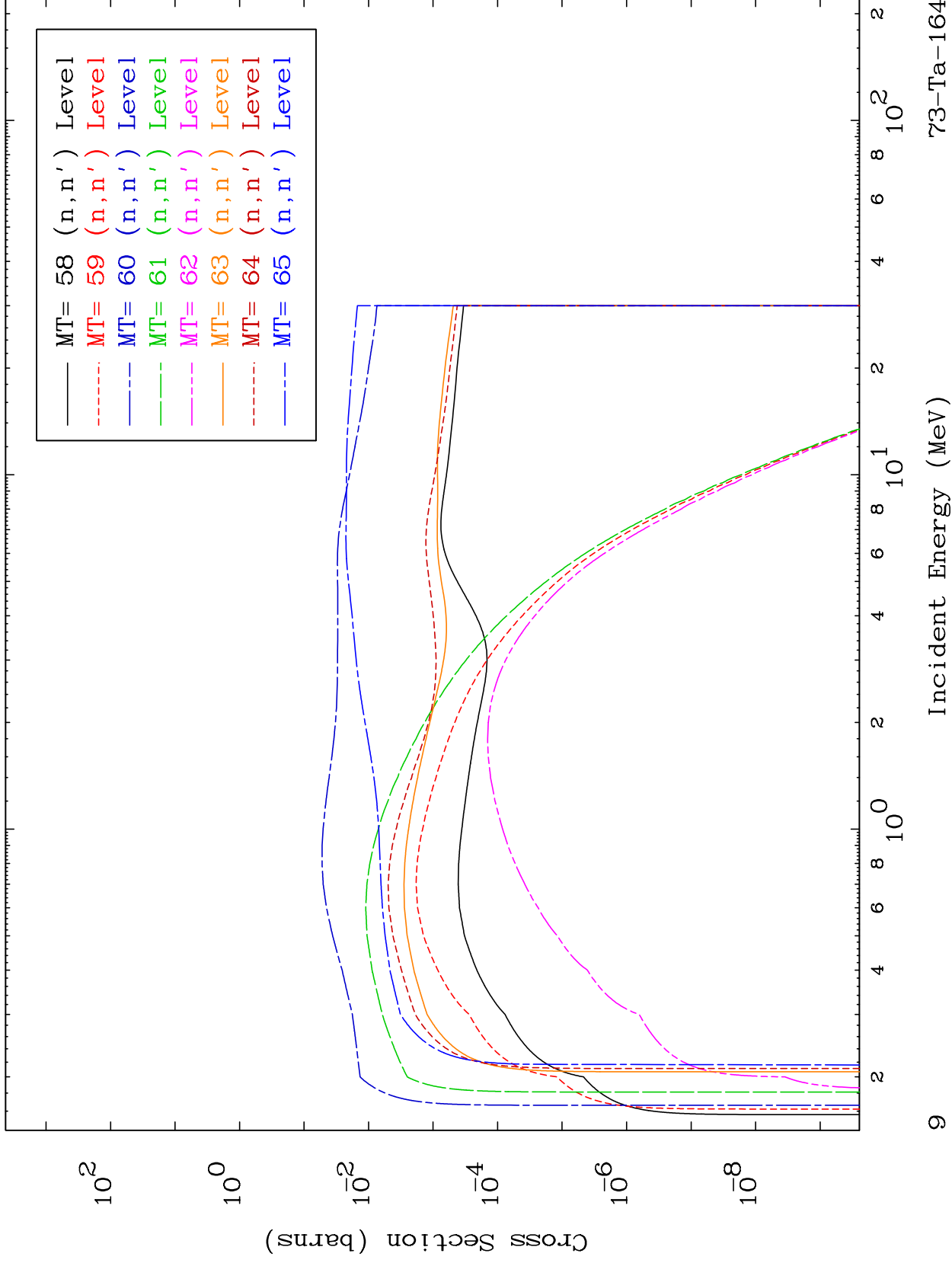


MAT 7277

(n,n') Level

293 Kelvin Cross Sections

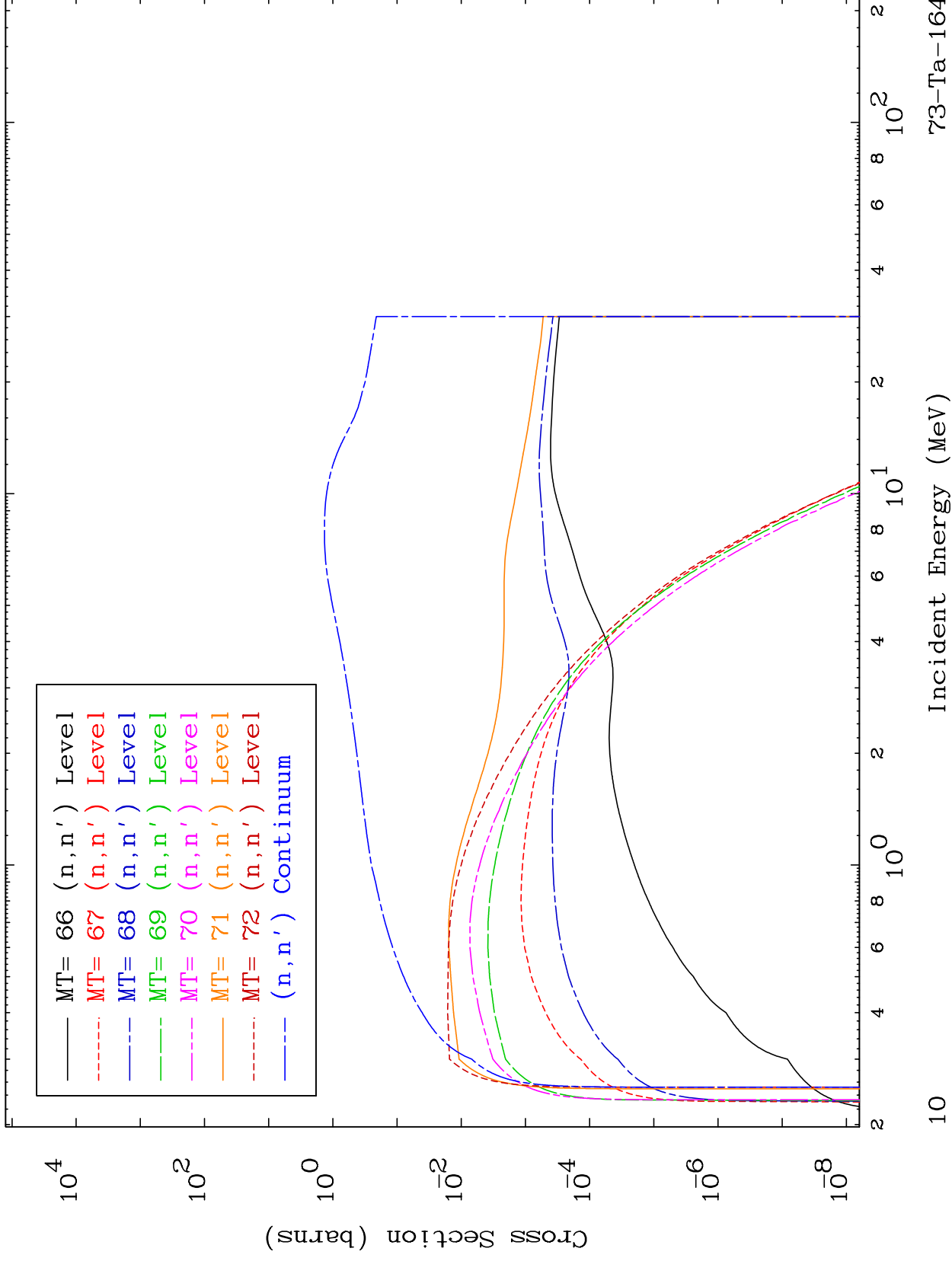
73-Ta-164



MAT 7277

293 Kelvin Cross Sections
(n,n') Level

73-Ta-164

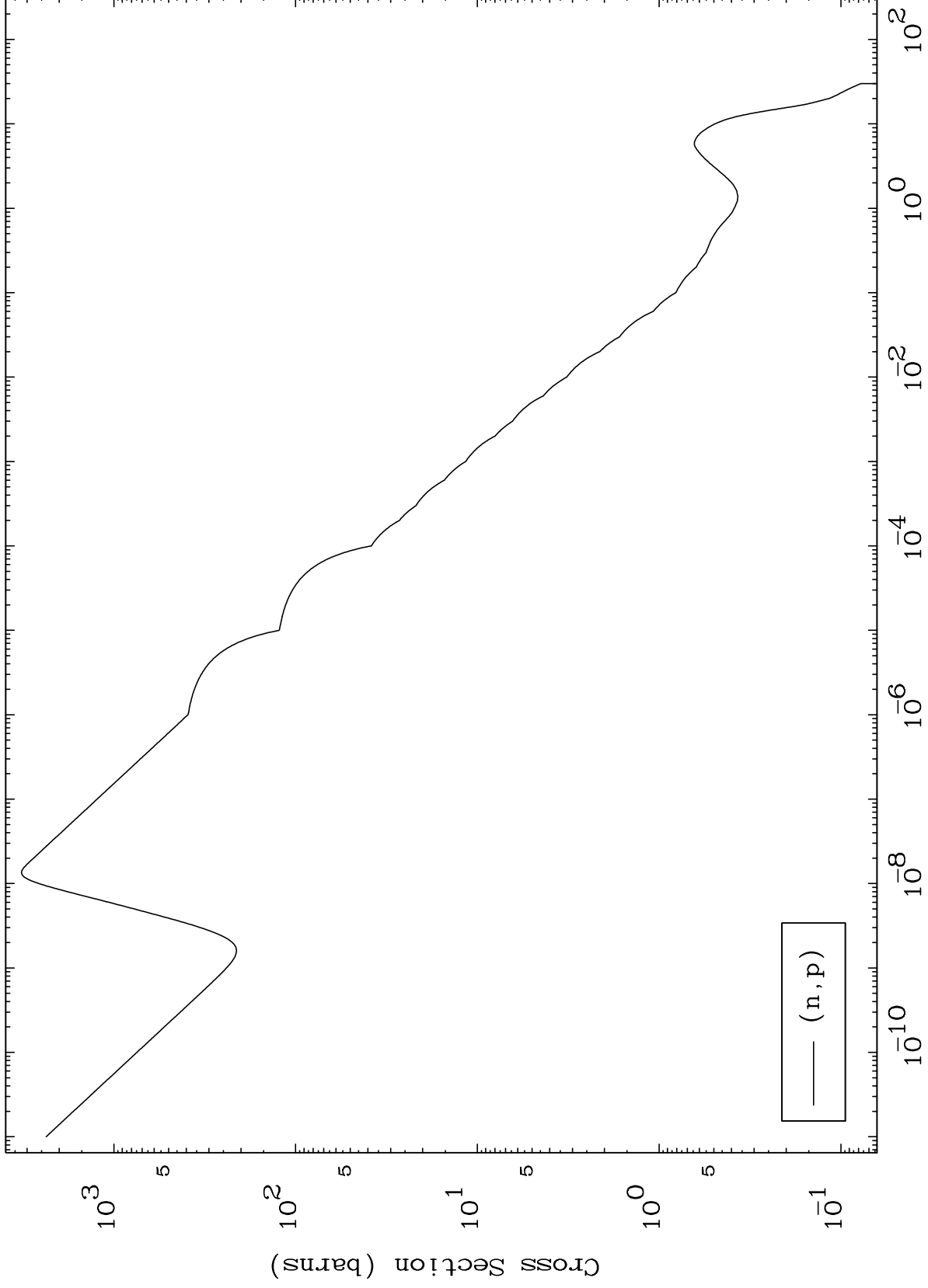


73-Ta-164

MAT 7277

(n,p) Levels
293 Kelvin Cross Sections

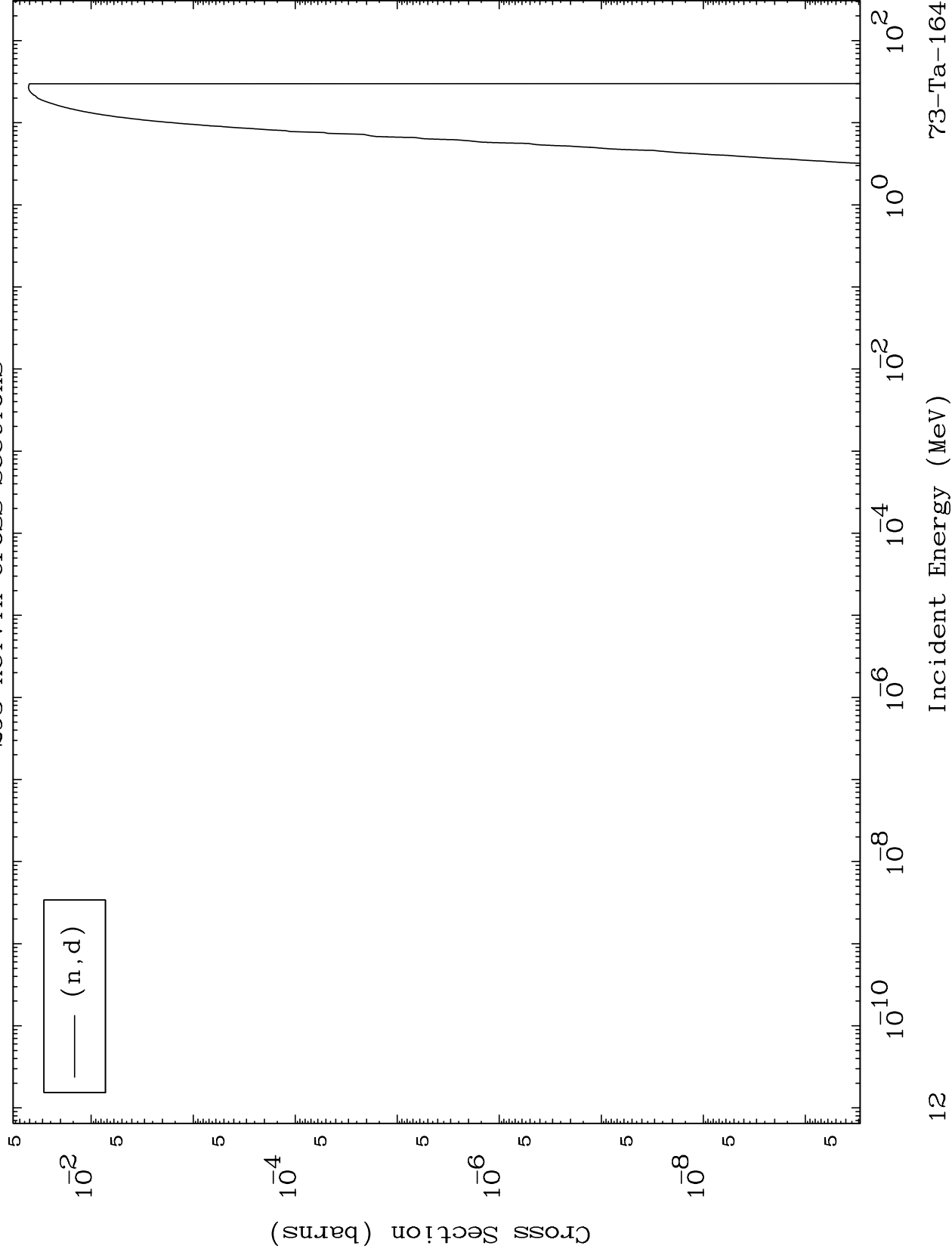
73-Ta-164



MAT 7277

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-164



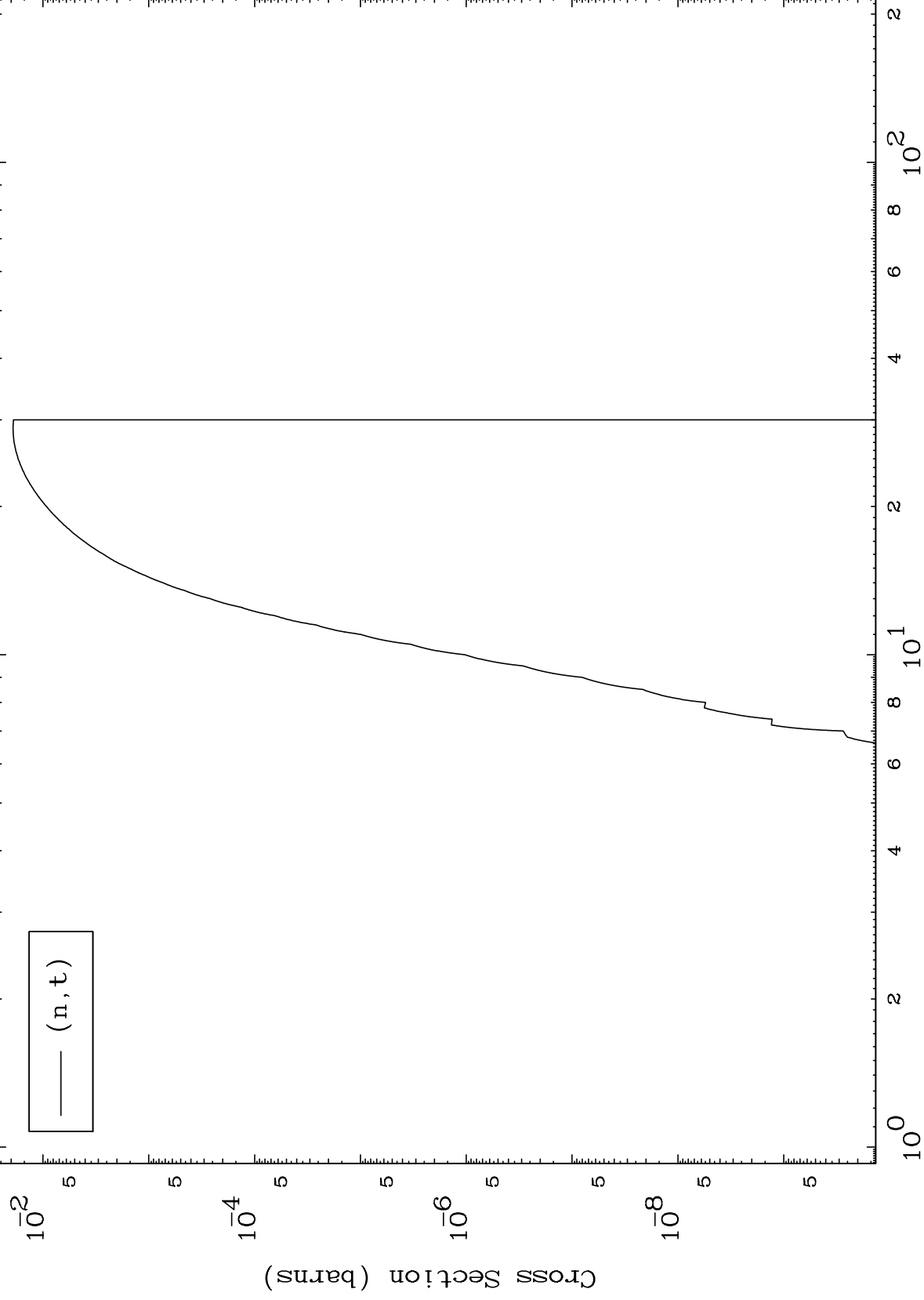
12

73-Ta-164

MAT 7277

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-164



13

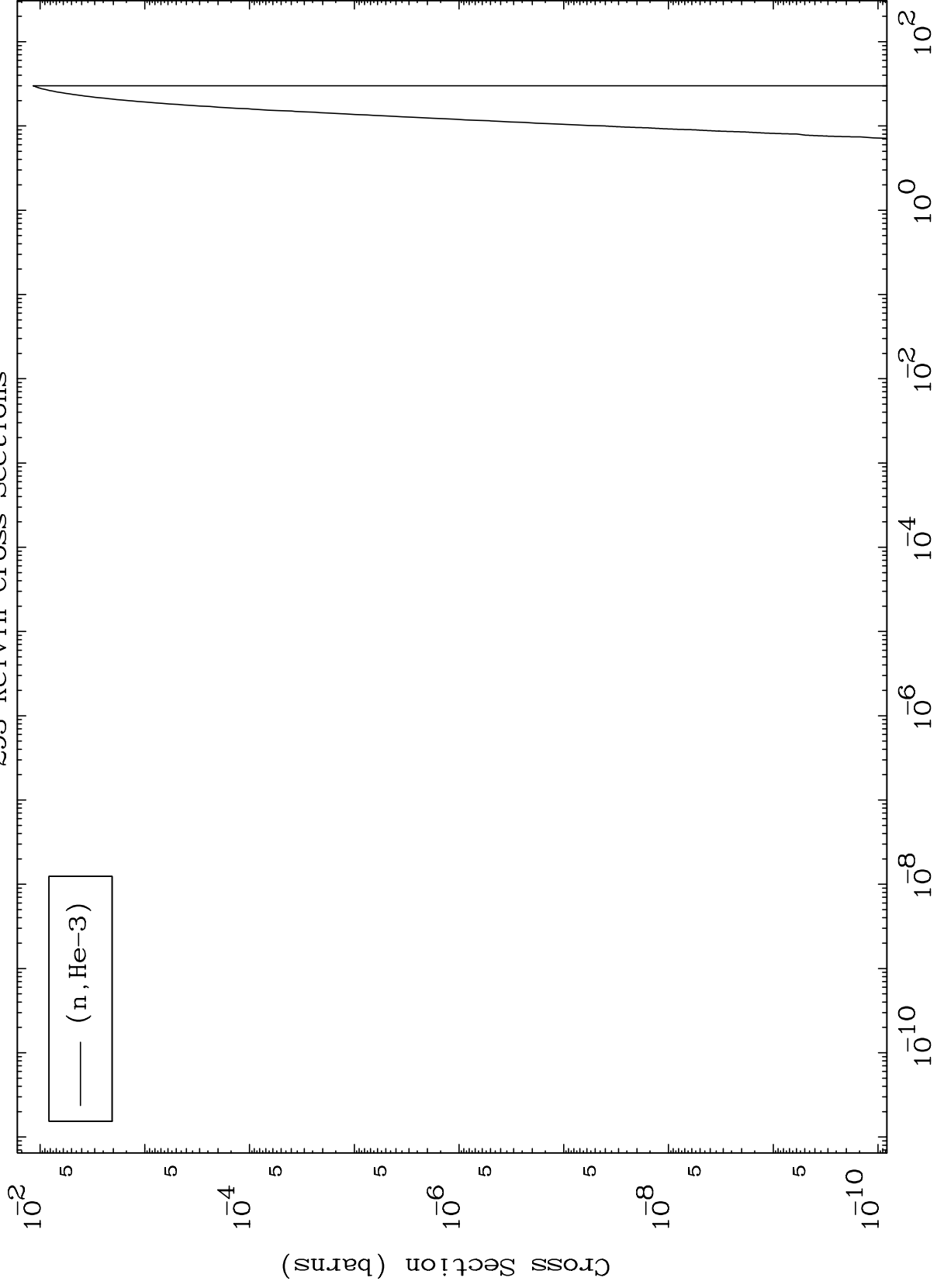
Incident Energy (MeV)

73-Ta-164

MAT 7277

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-164



14

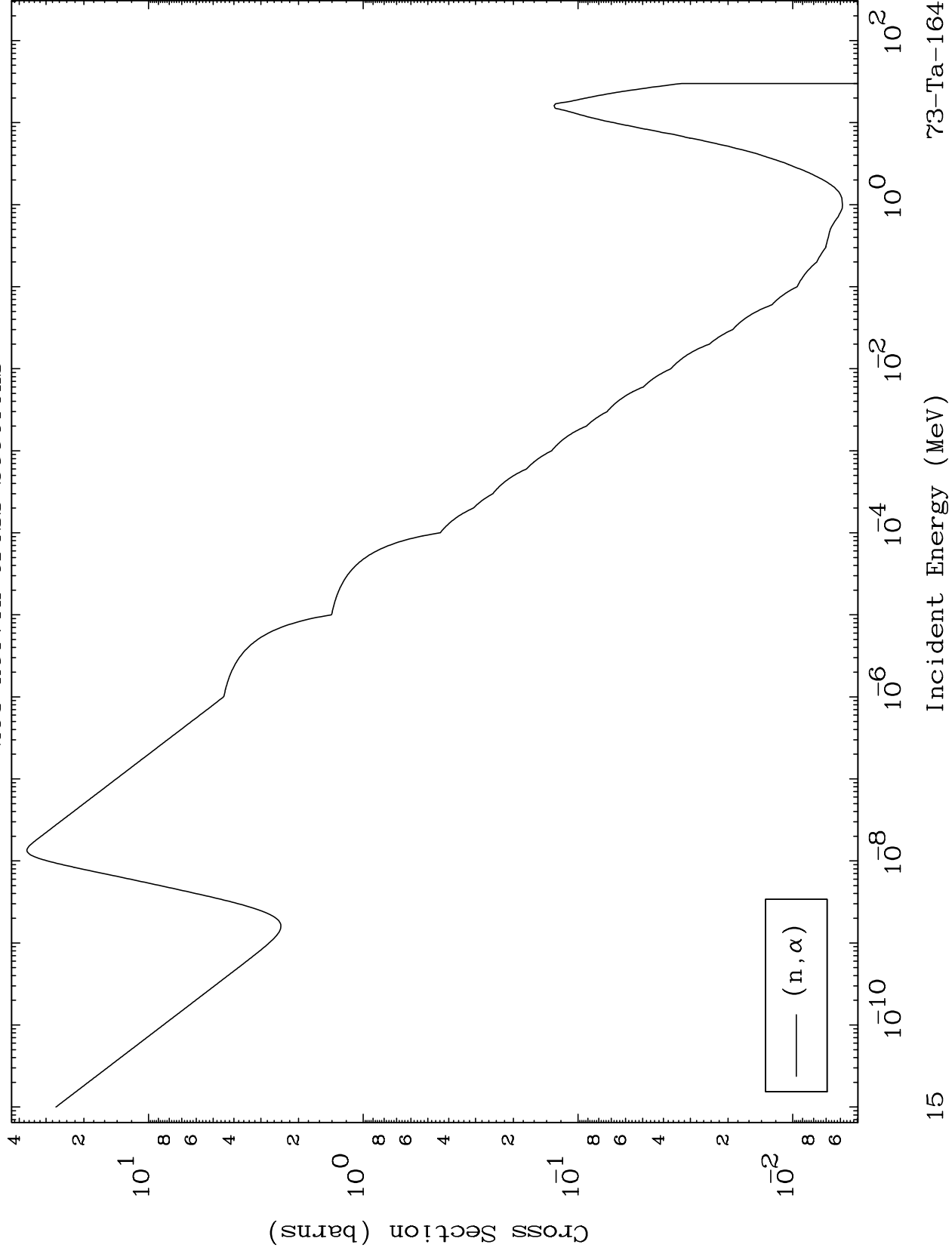
Incident Energy (MeV)

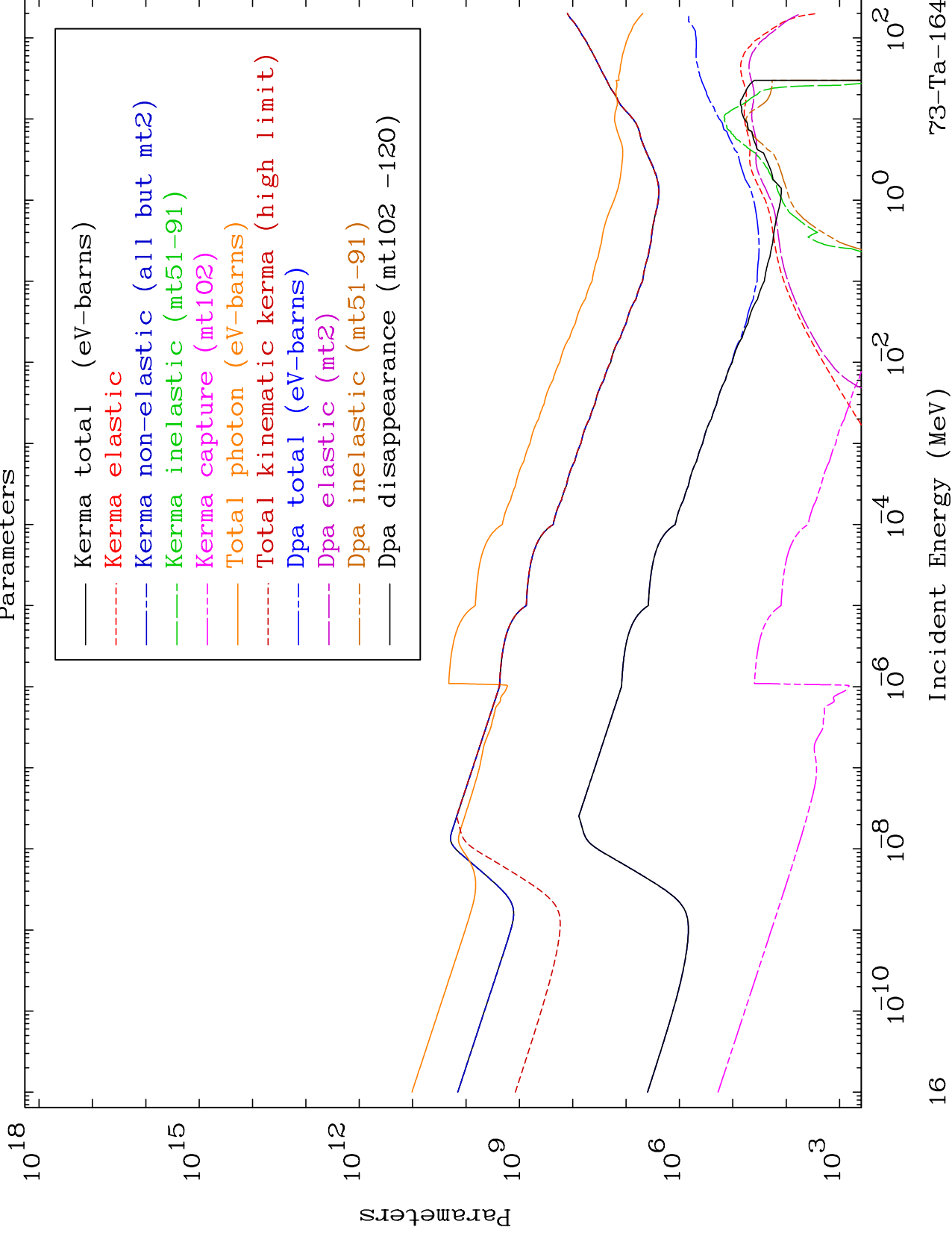
73-Ta-164

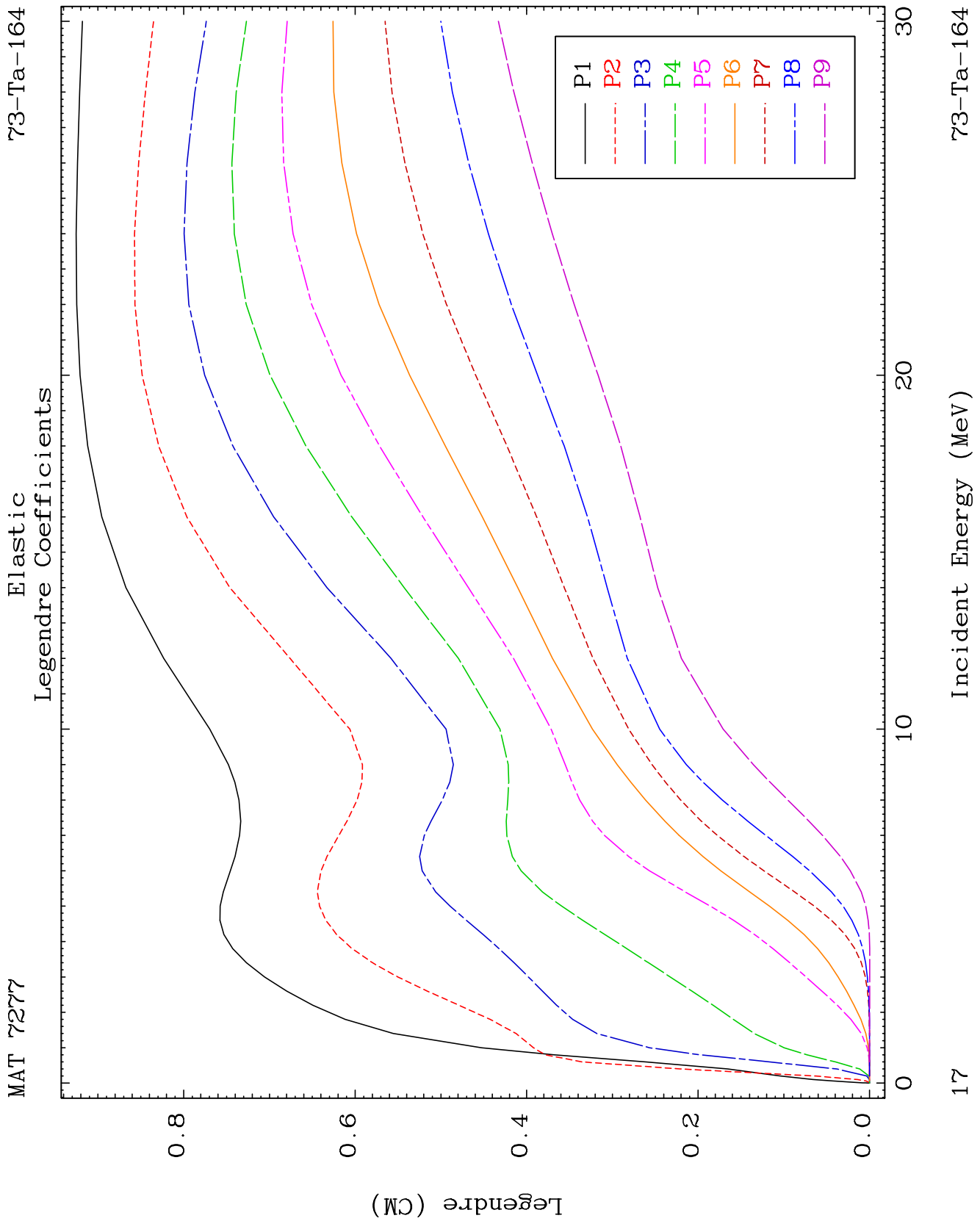
MAT 7277

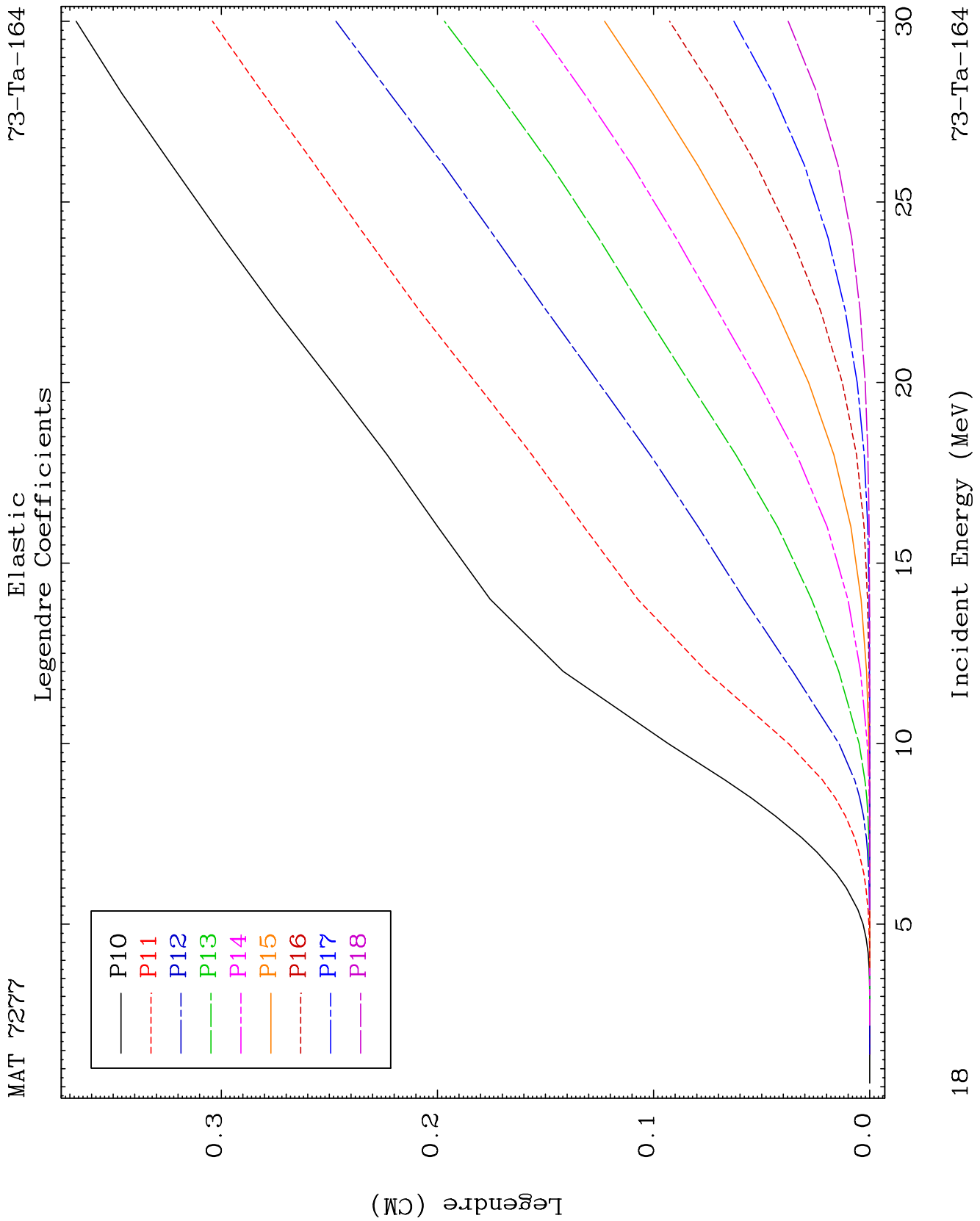
(n,α) Levels
293 Kelvin Cross Sections

73-Ta-164





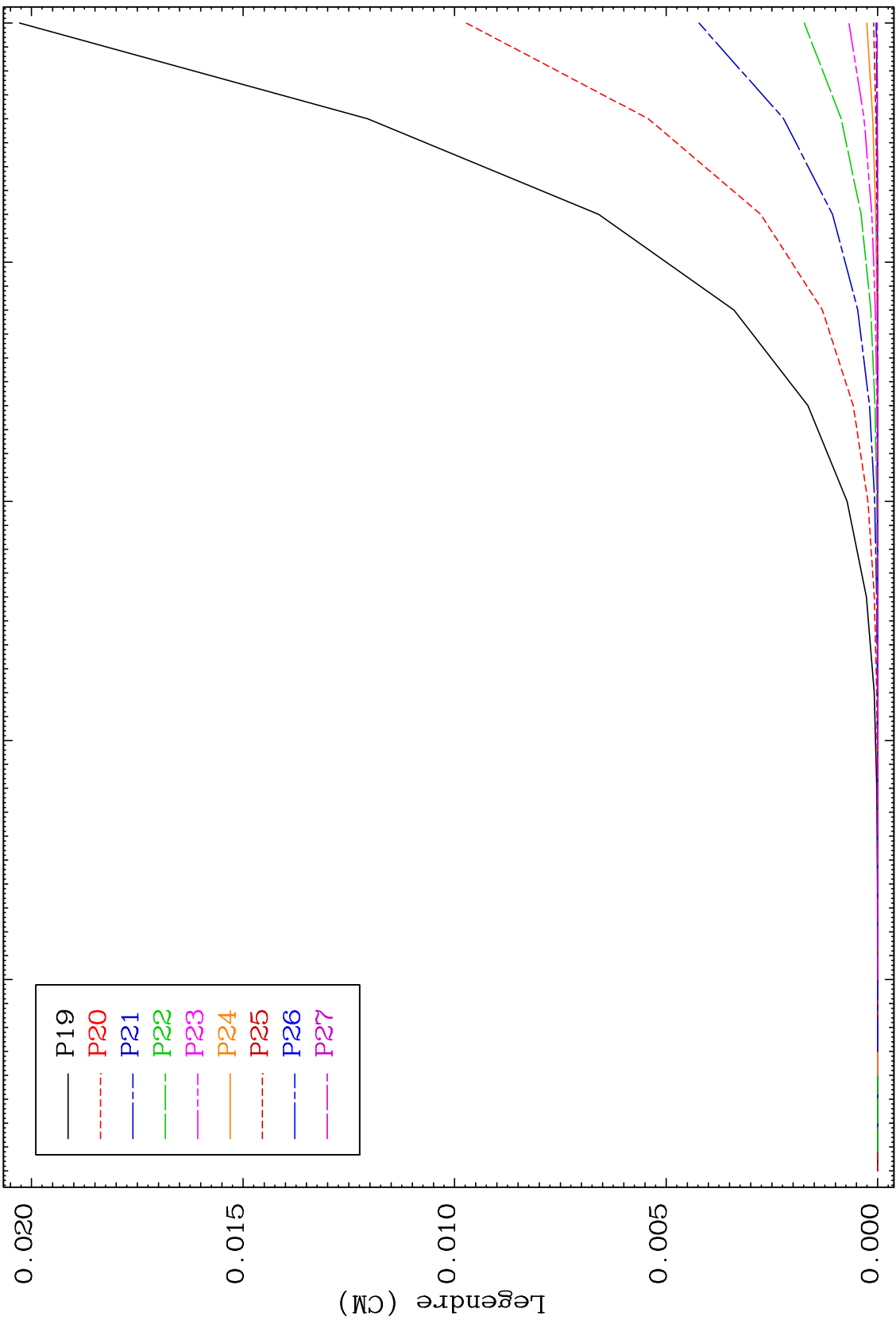




MAT 7277

Elastic Legendre Coefficients

73-Ta-164



19

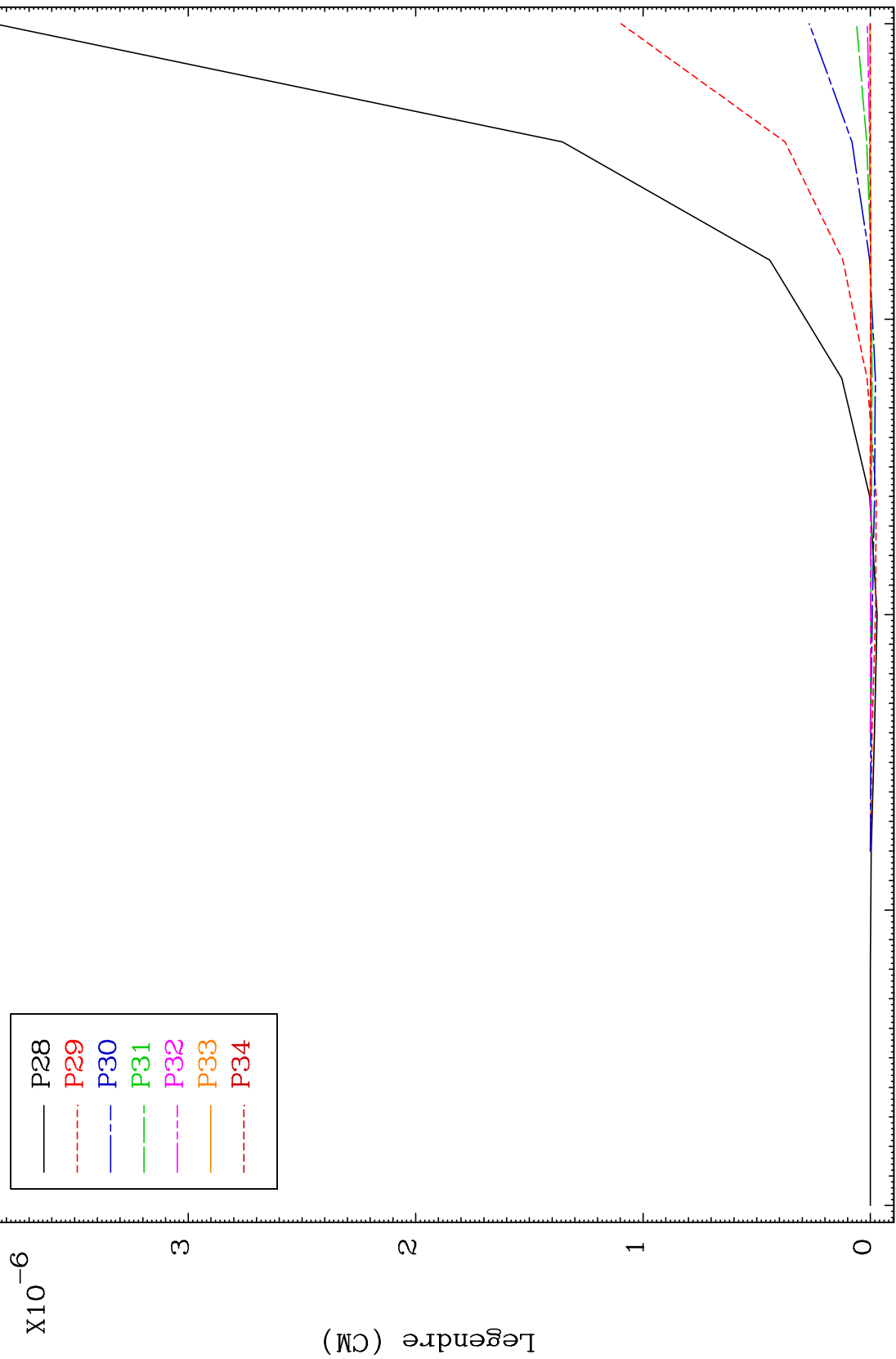
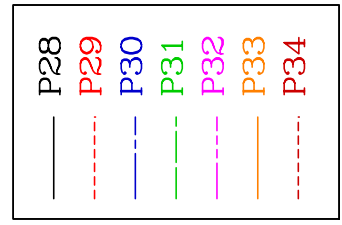
Incident Energy (MeV)

73-Ta-164

MAT 7277

Elastic
Legendre Coefficients

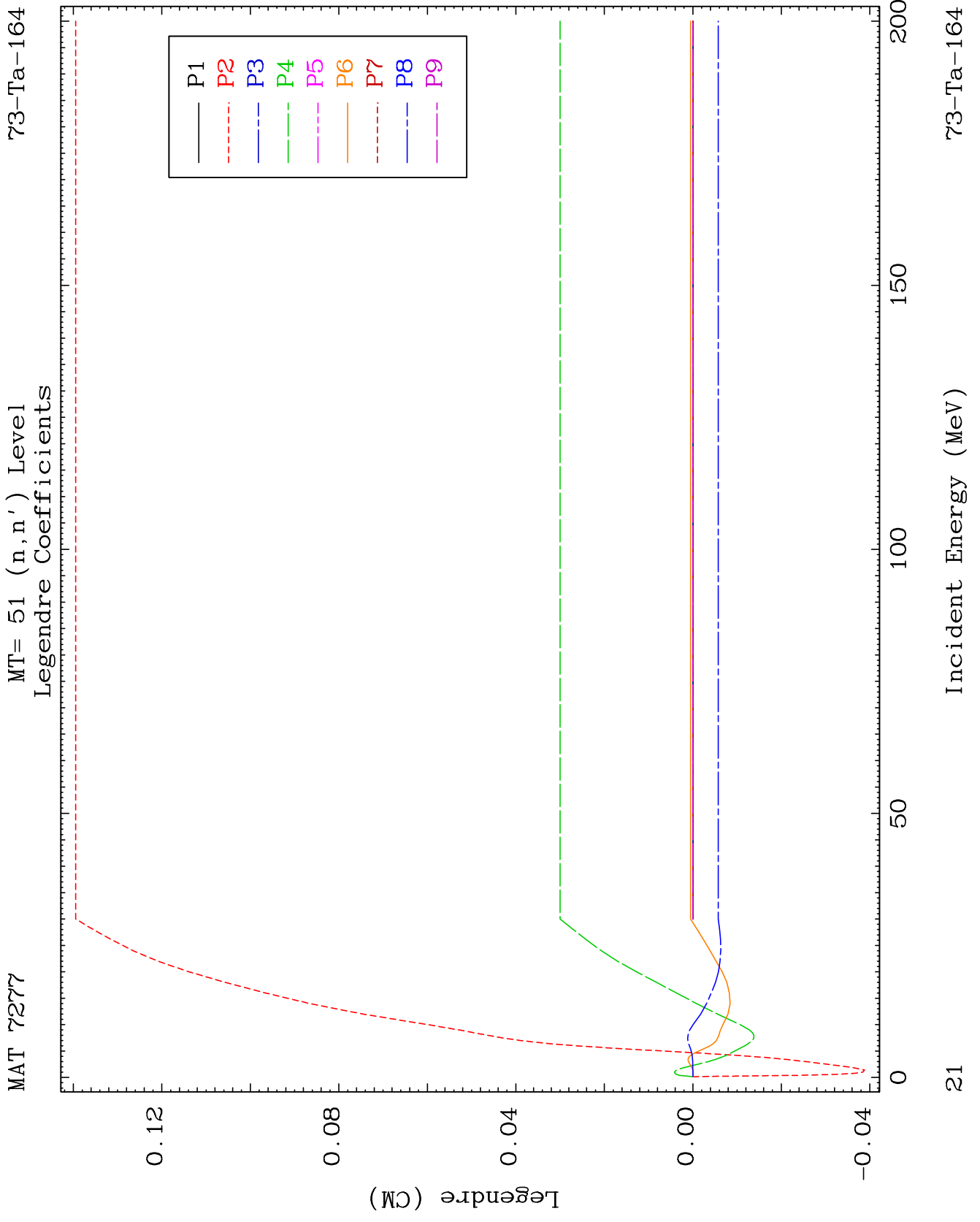
73-Ta-164



73-Ta-164

Incident Energy (MeV)

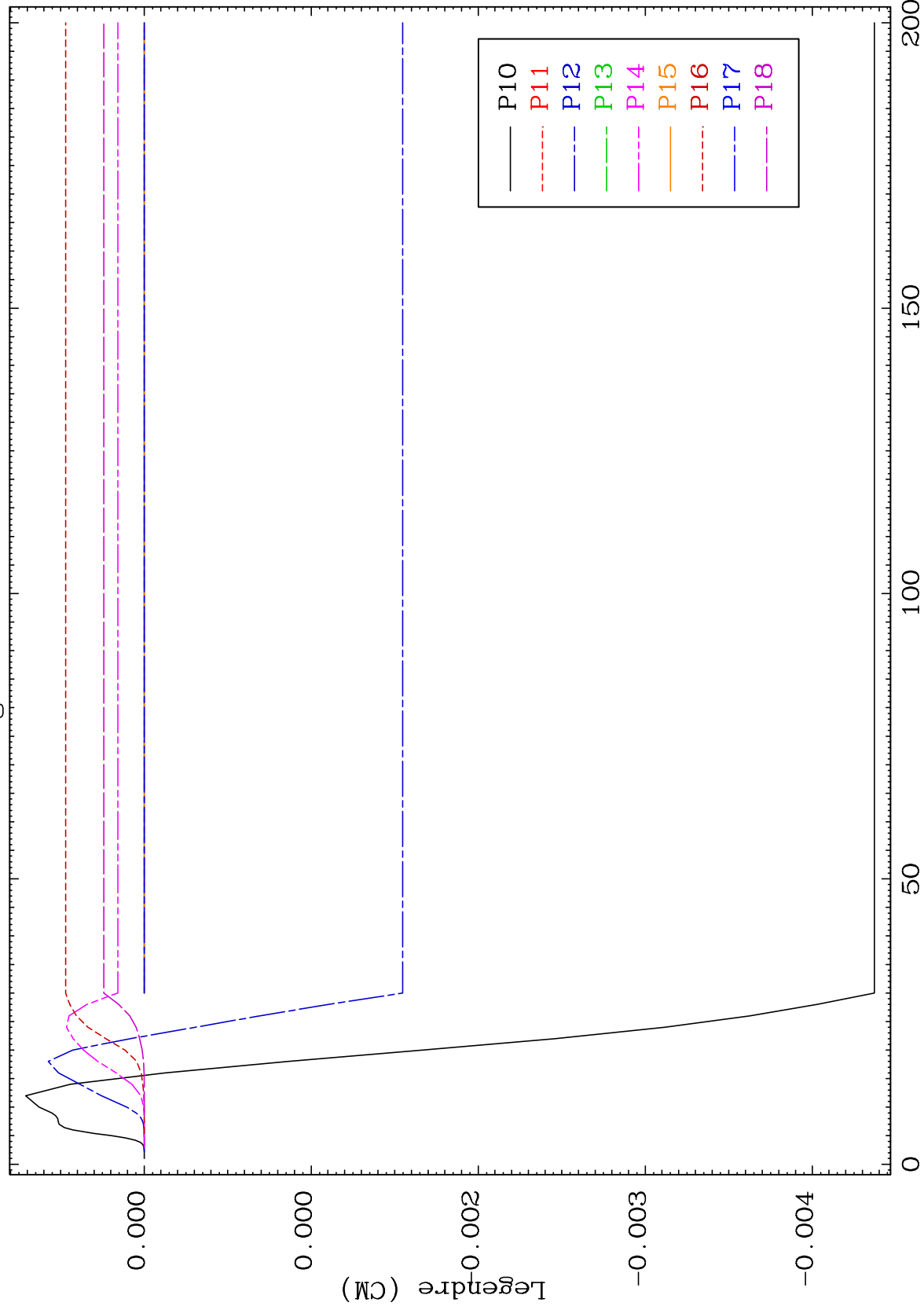
20



MAT 7277

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

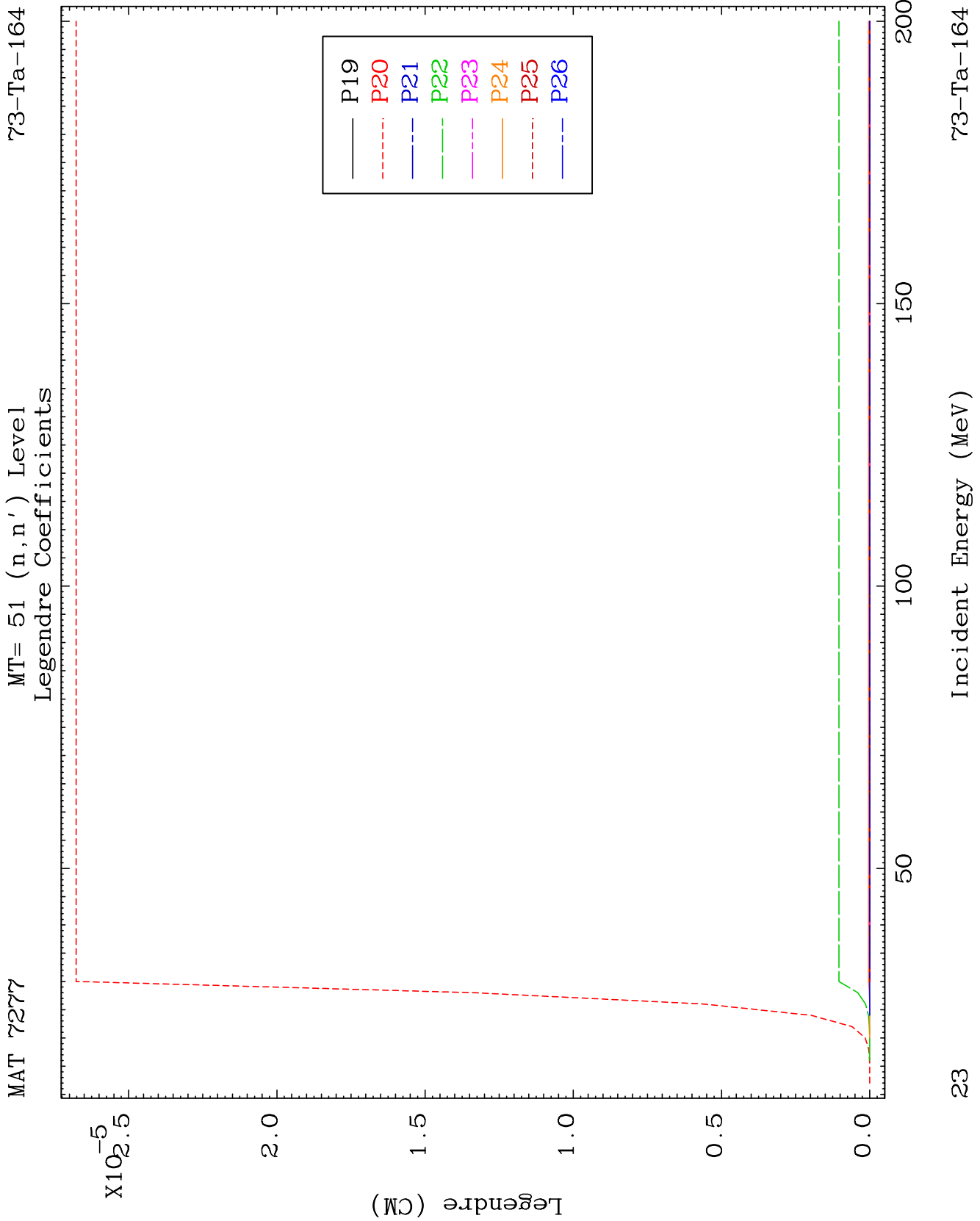
73-Ta-164

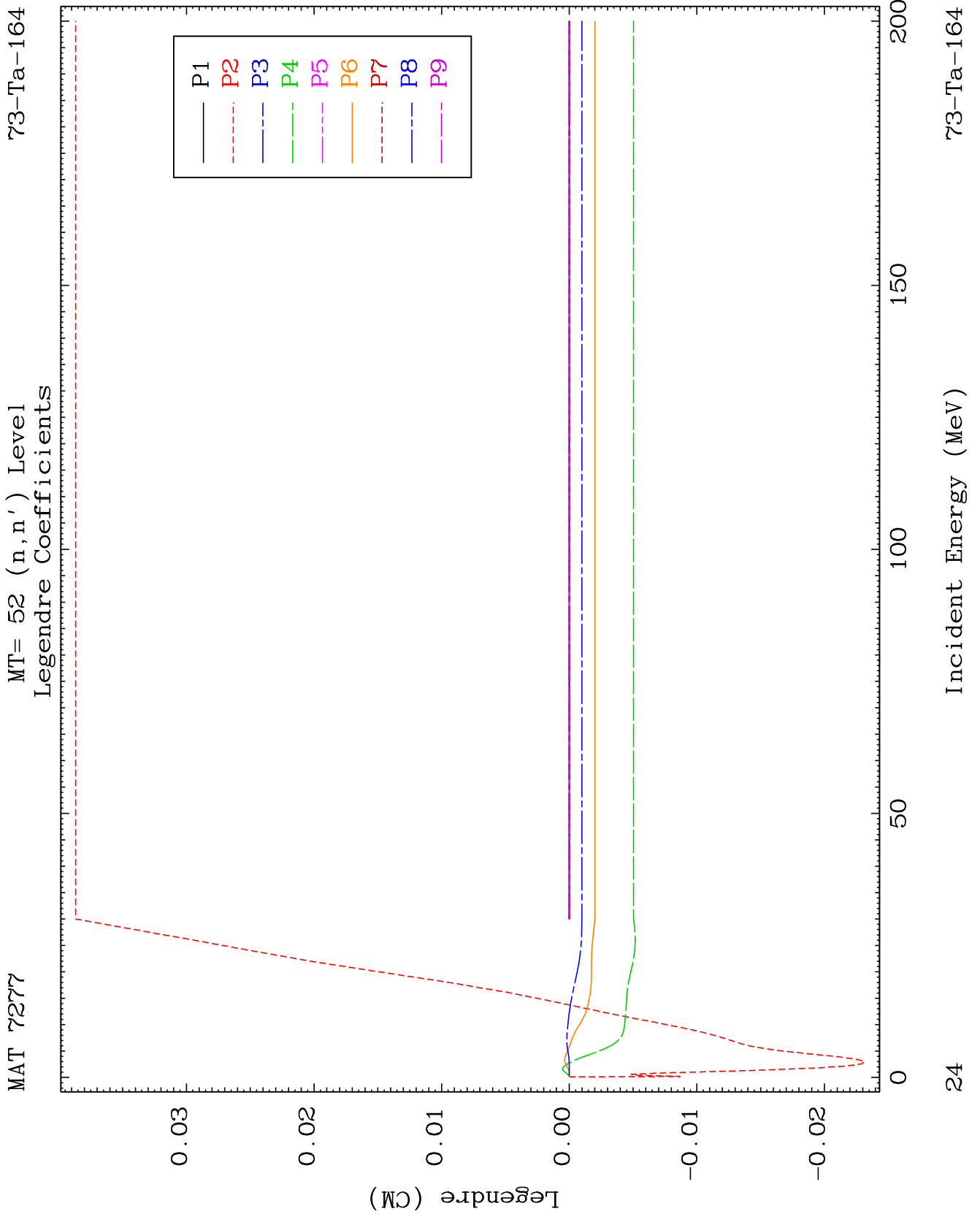


22

Incident Energy (MeV)

73-Ta-164

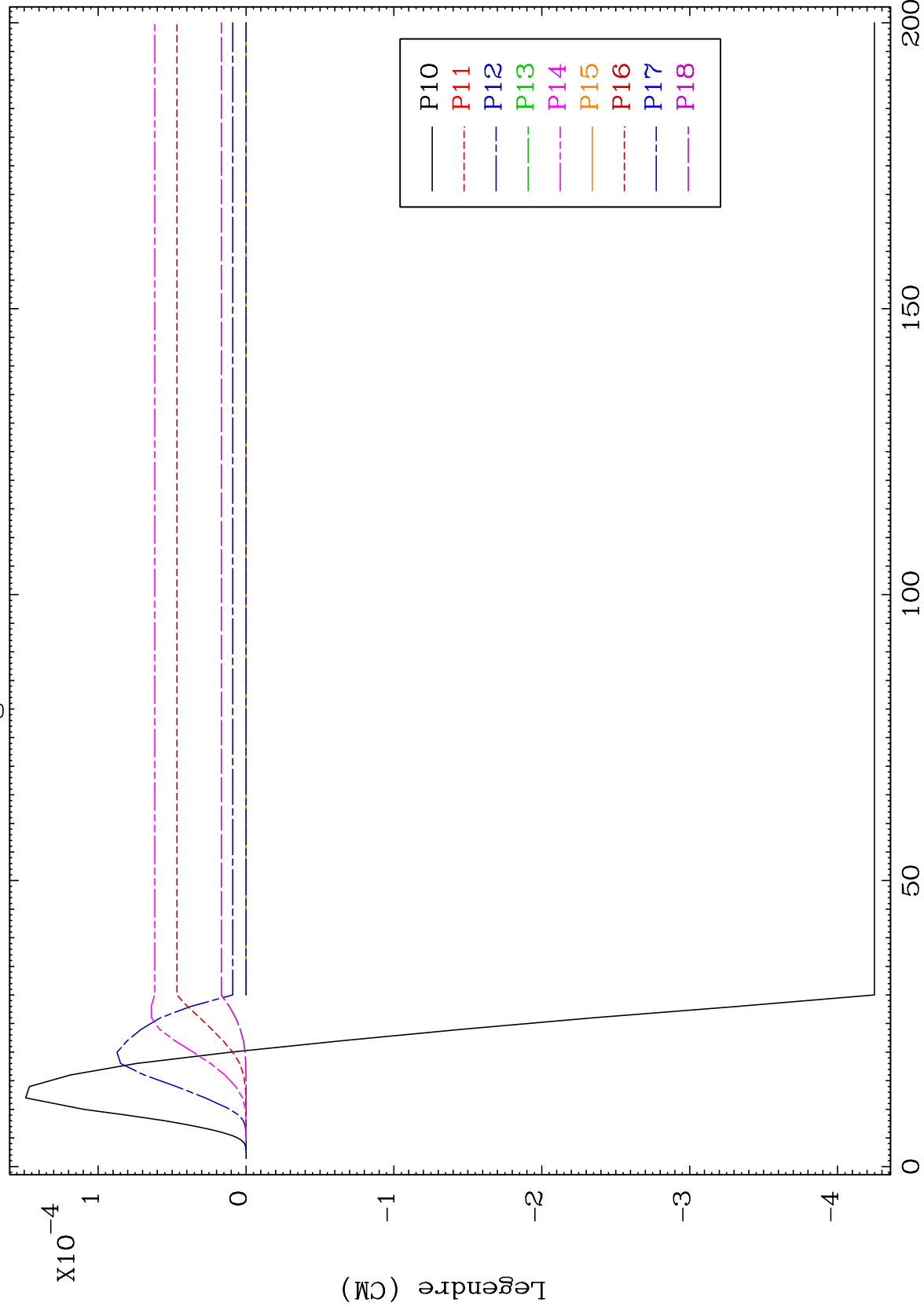




MAT 7277

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

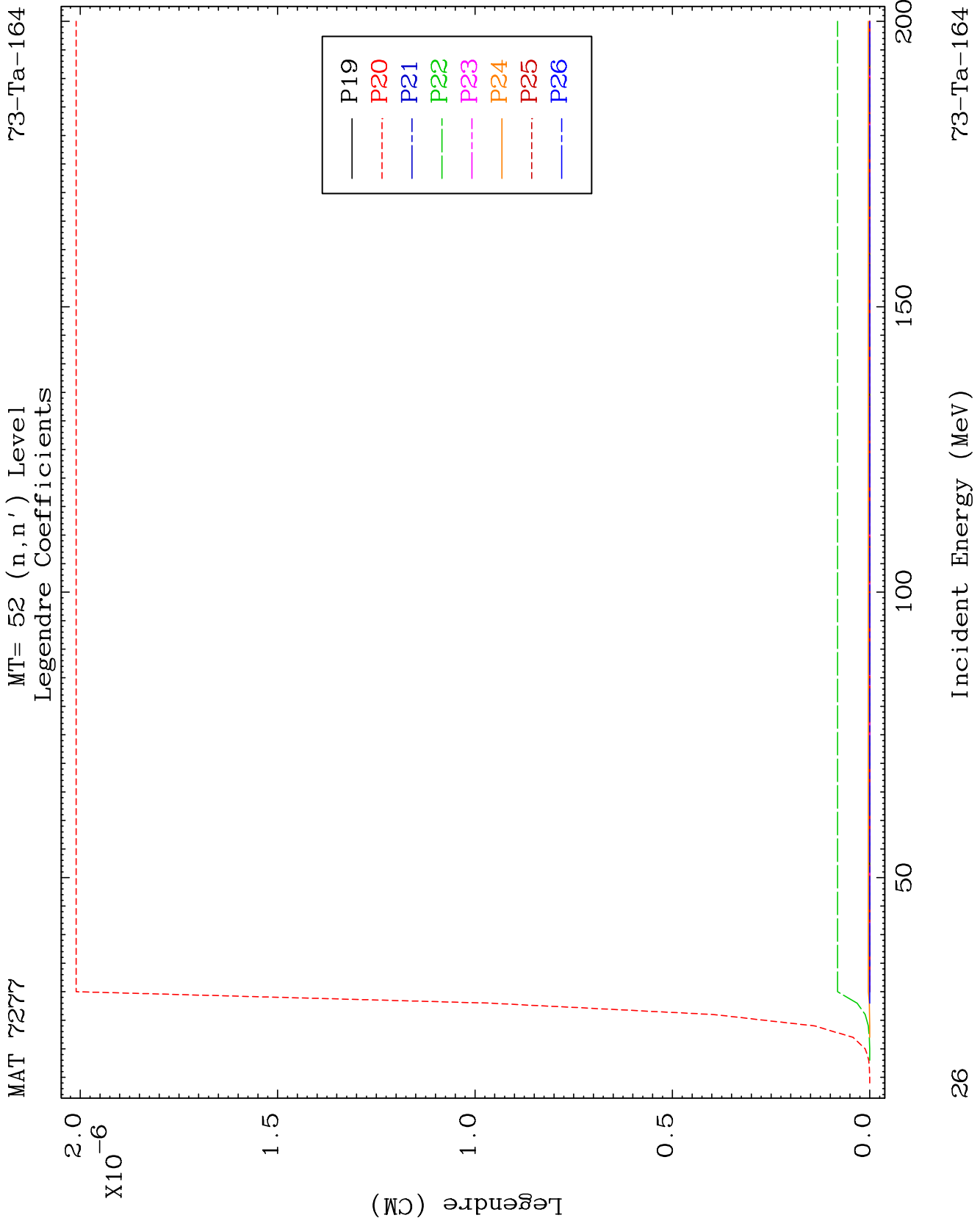
73-Ta-164



25

Incident Energy (MeV)

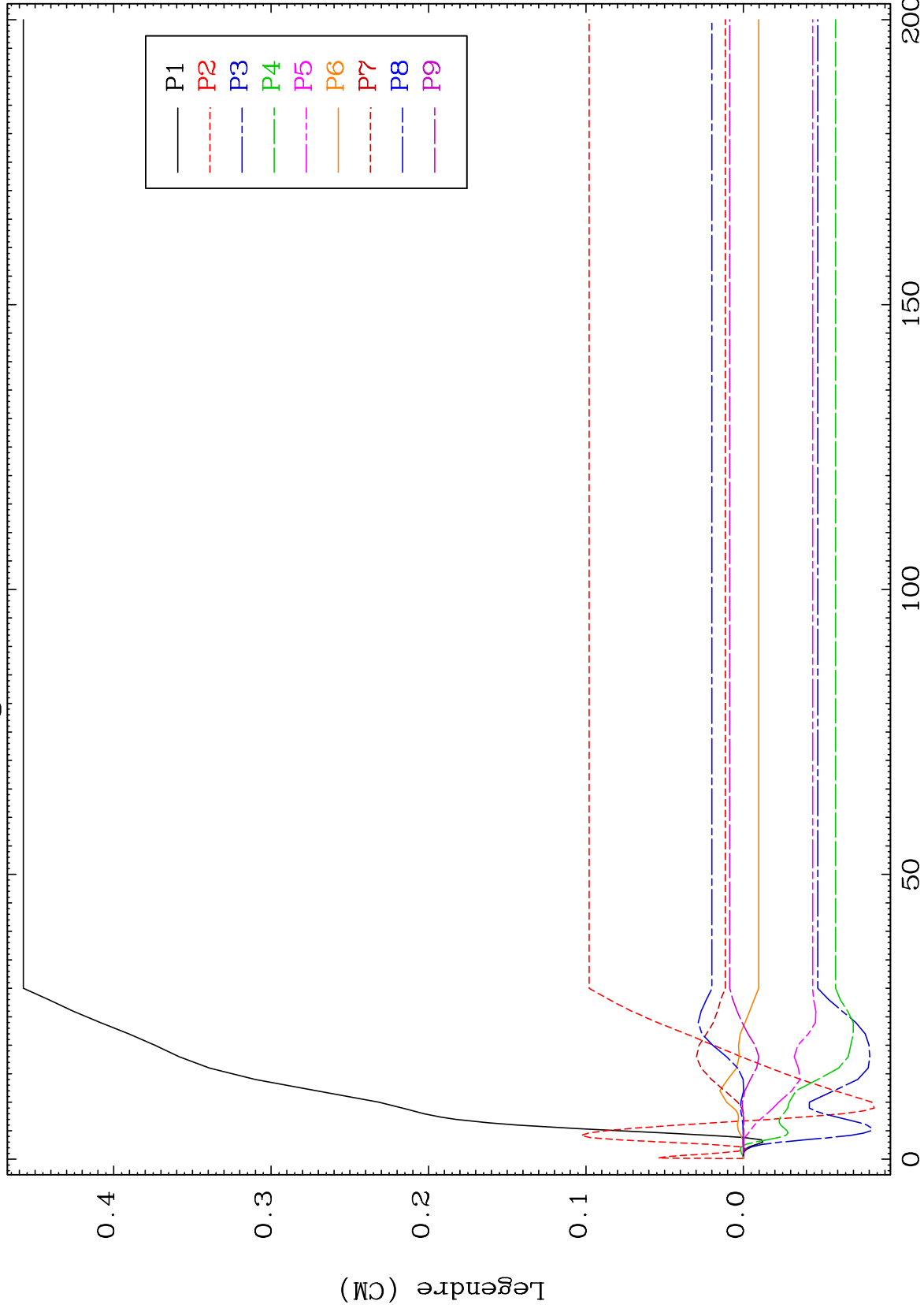
73-Ta-164



MAT 7277

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

73-Ta-164



27

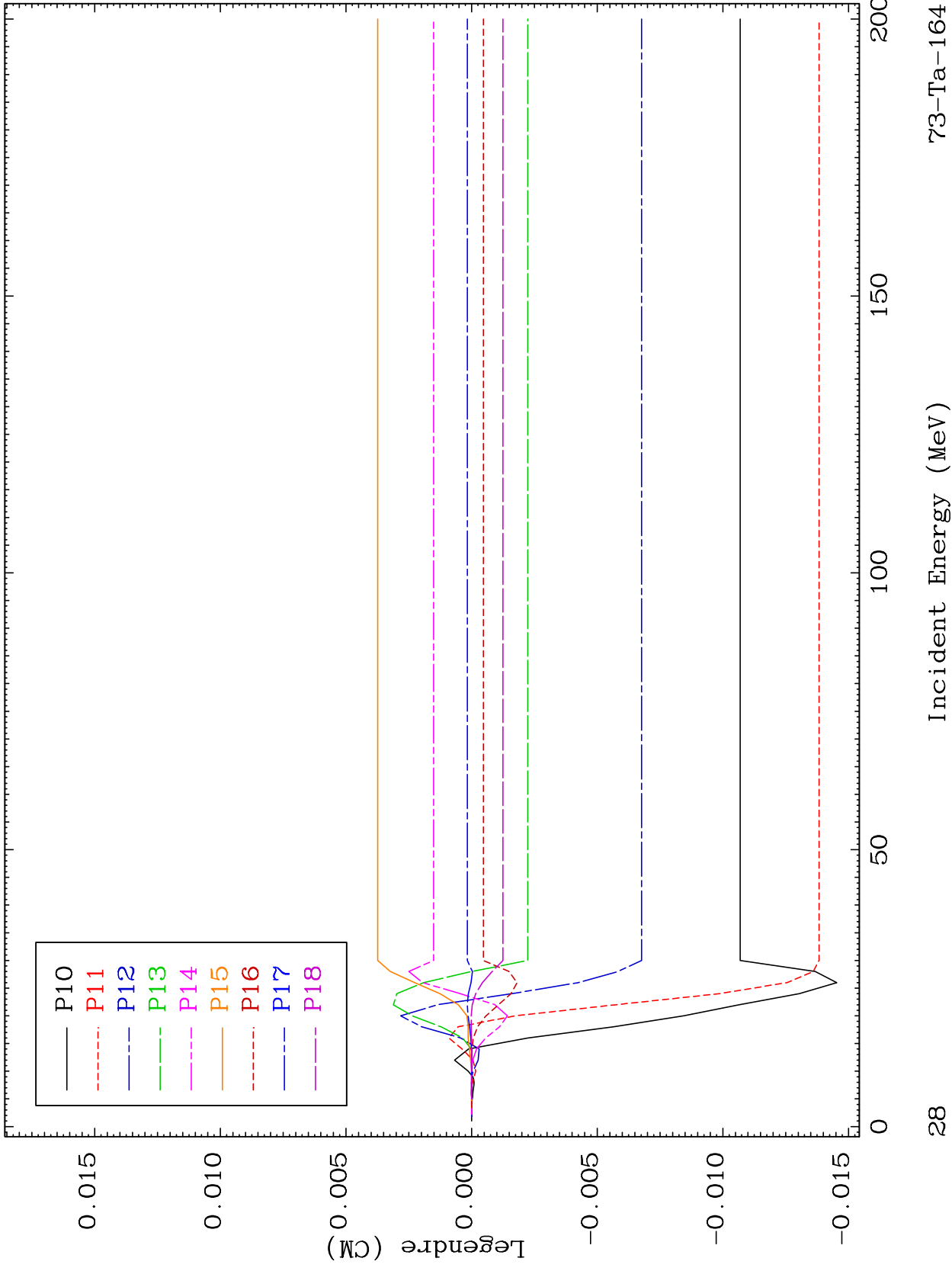
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

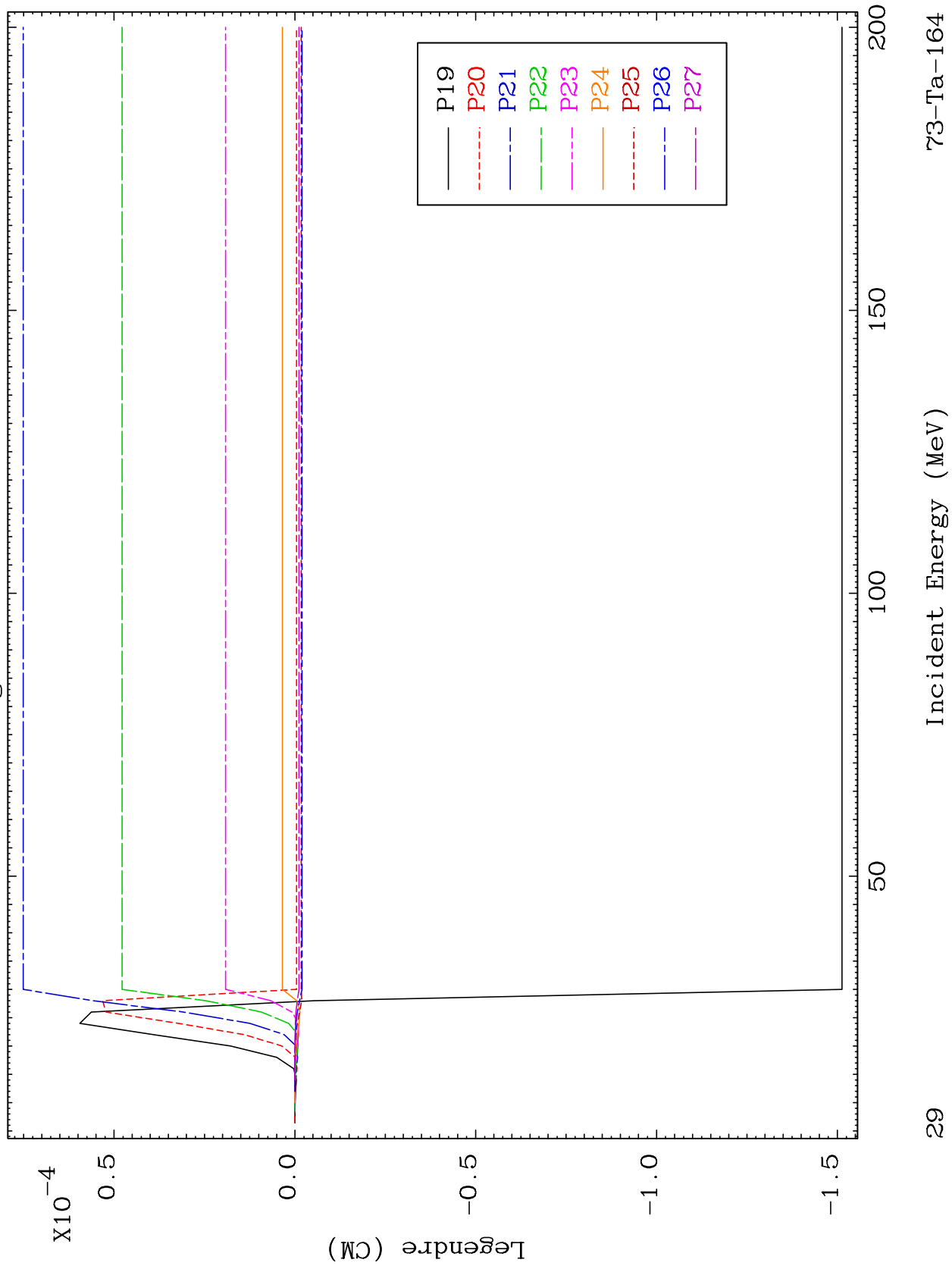
73-Ta-164



MAT 7277

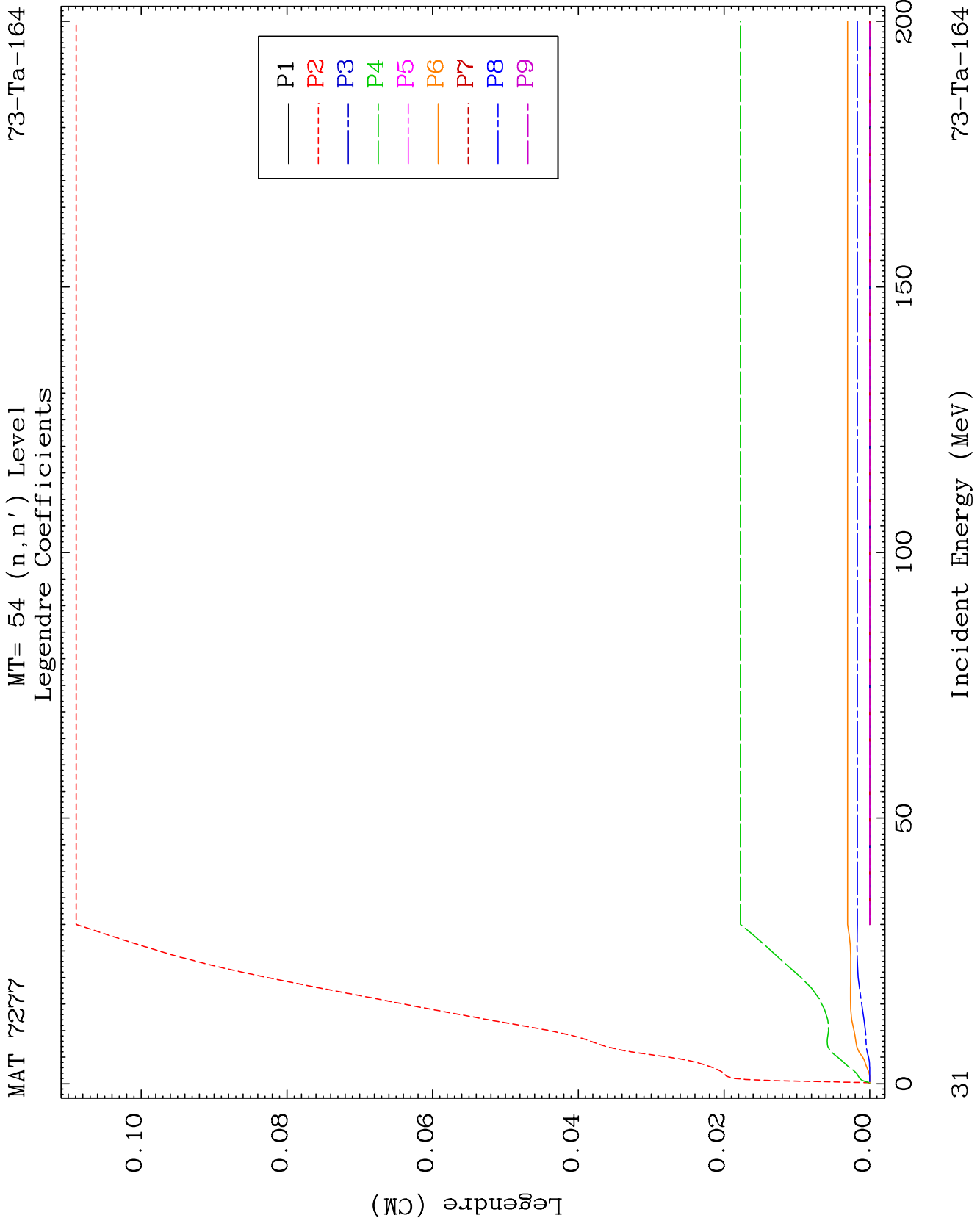
73-Ta-164

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



29

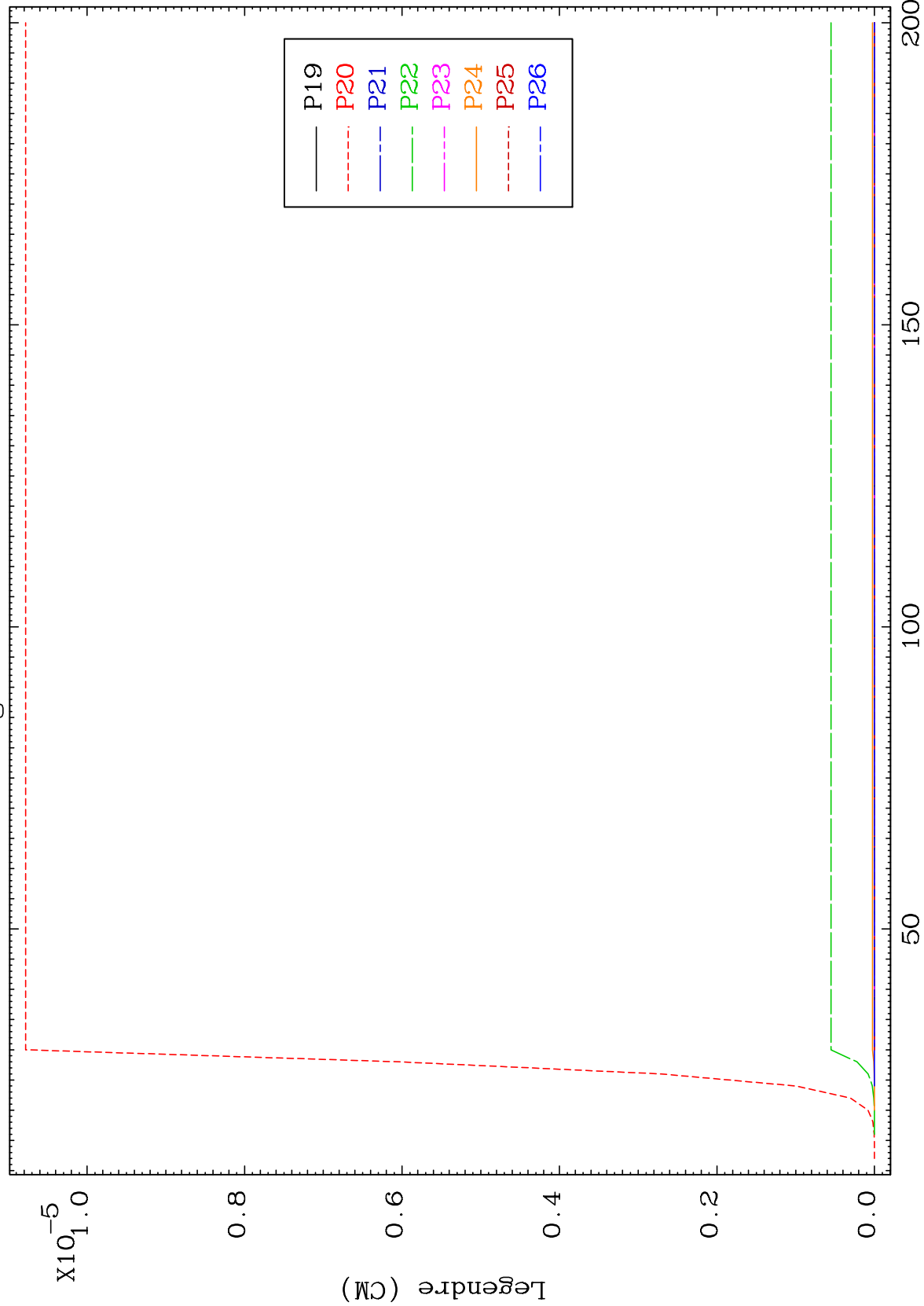
73-Ta-164



MAT 7277

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

73-Ta-164



73-Ta-164

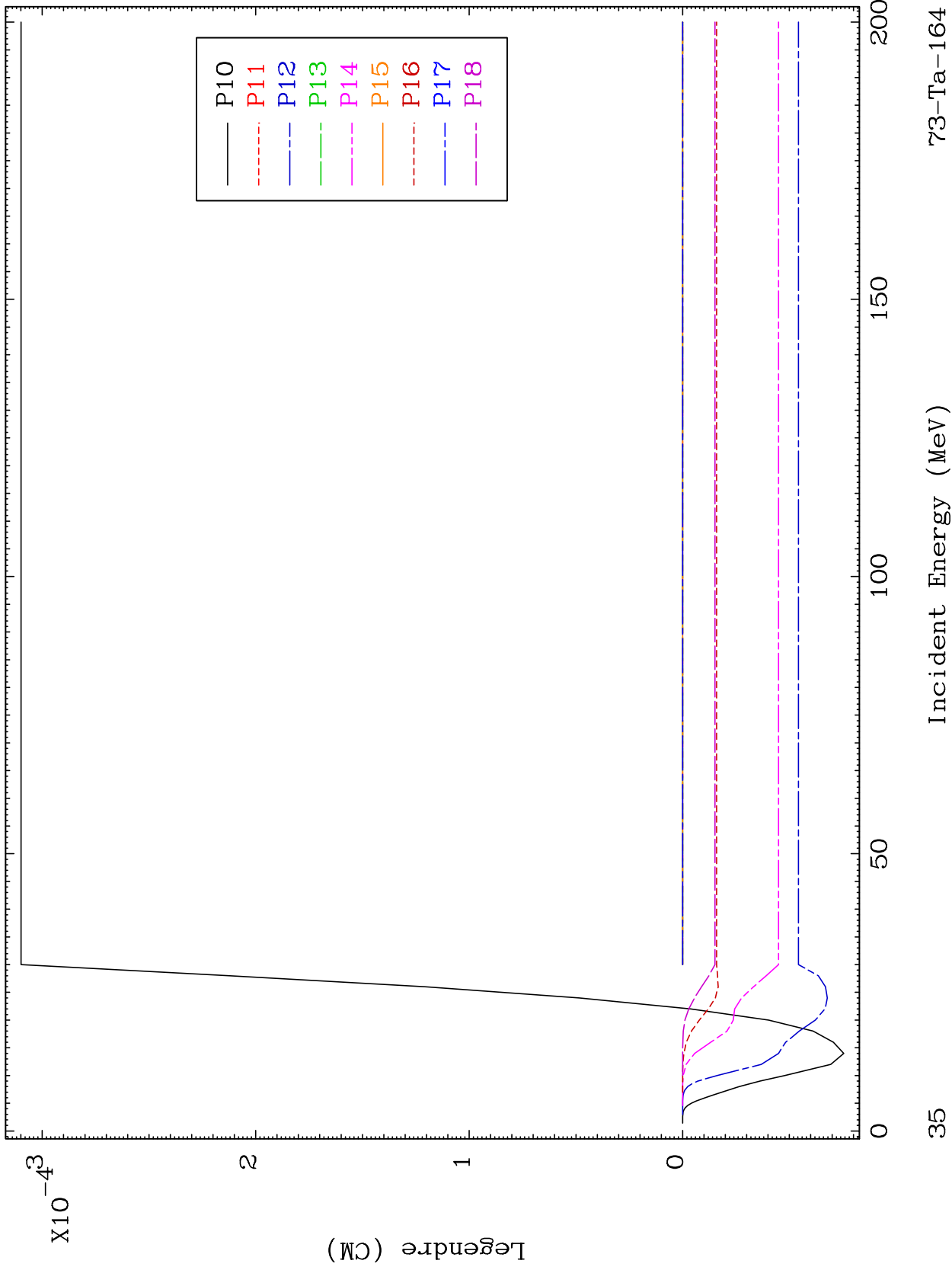
Incident Energy (MeV)

33

MAT 7277

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

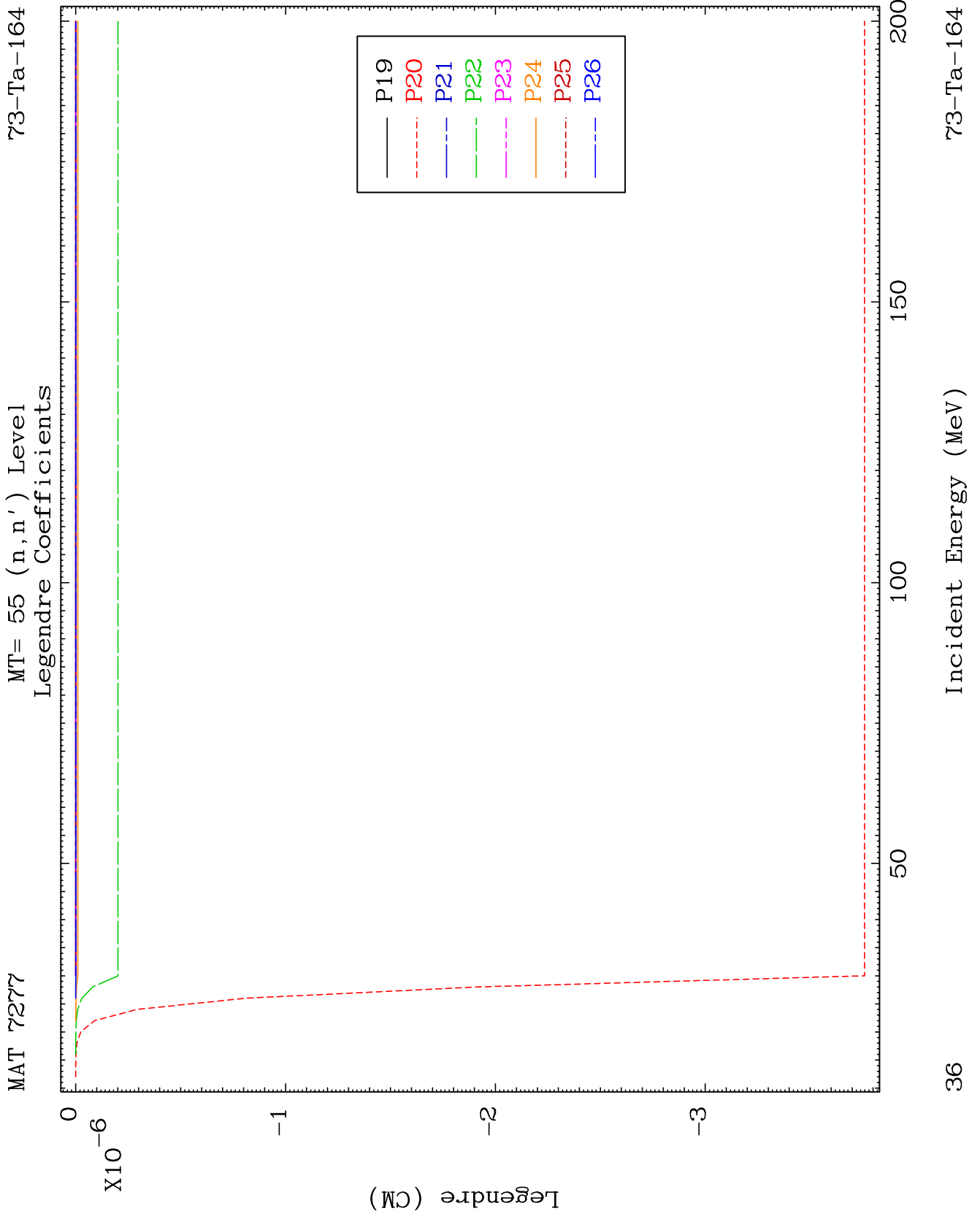
73-Ta-164



73-Ta-164

Incident Energy (MeV)

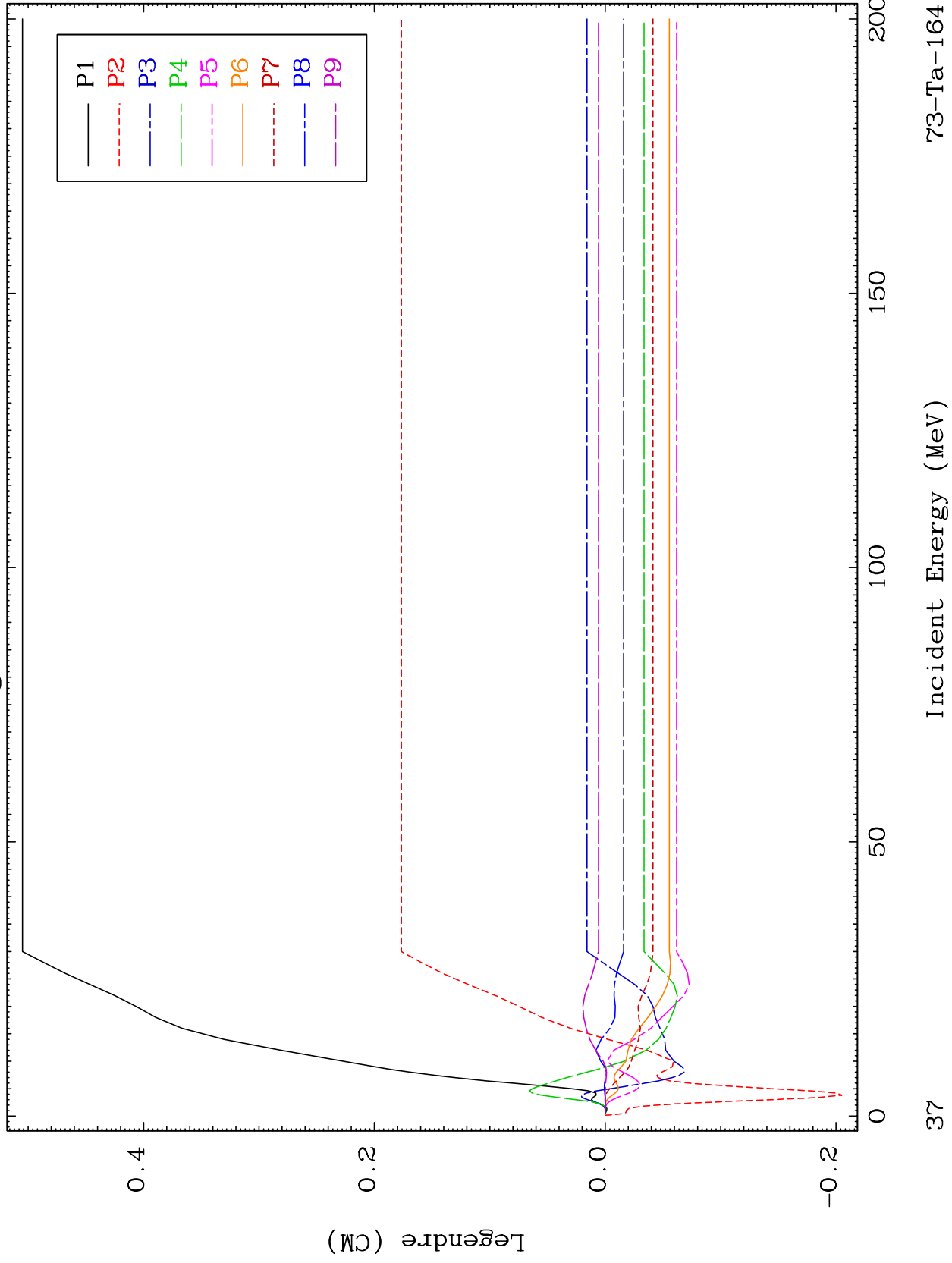
35



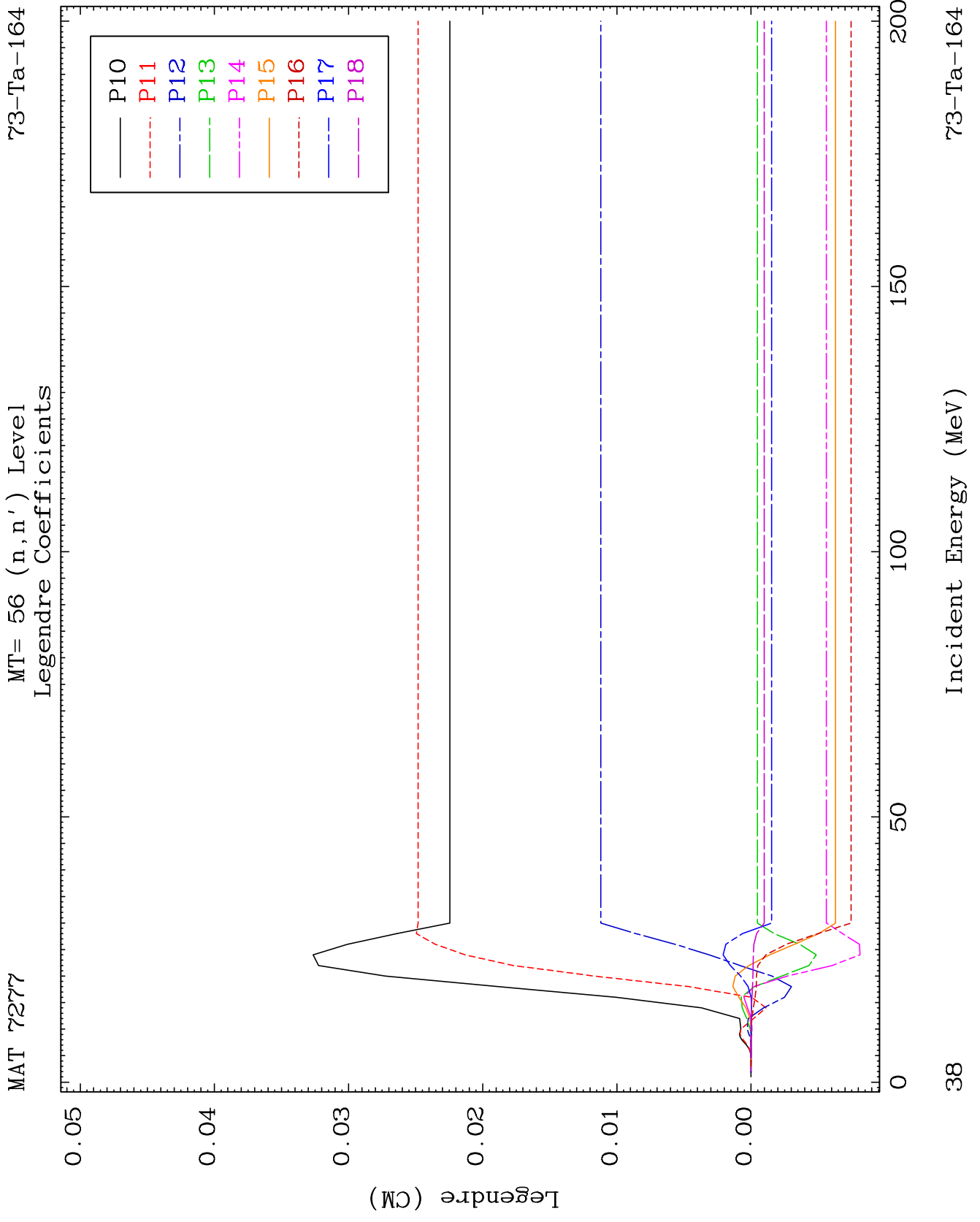
MAT 7277

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

73-Ta-164



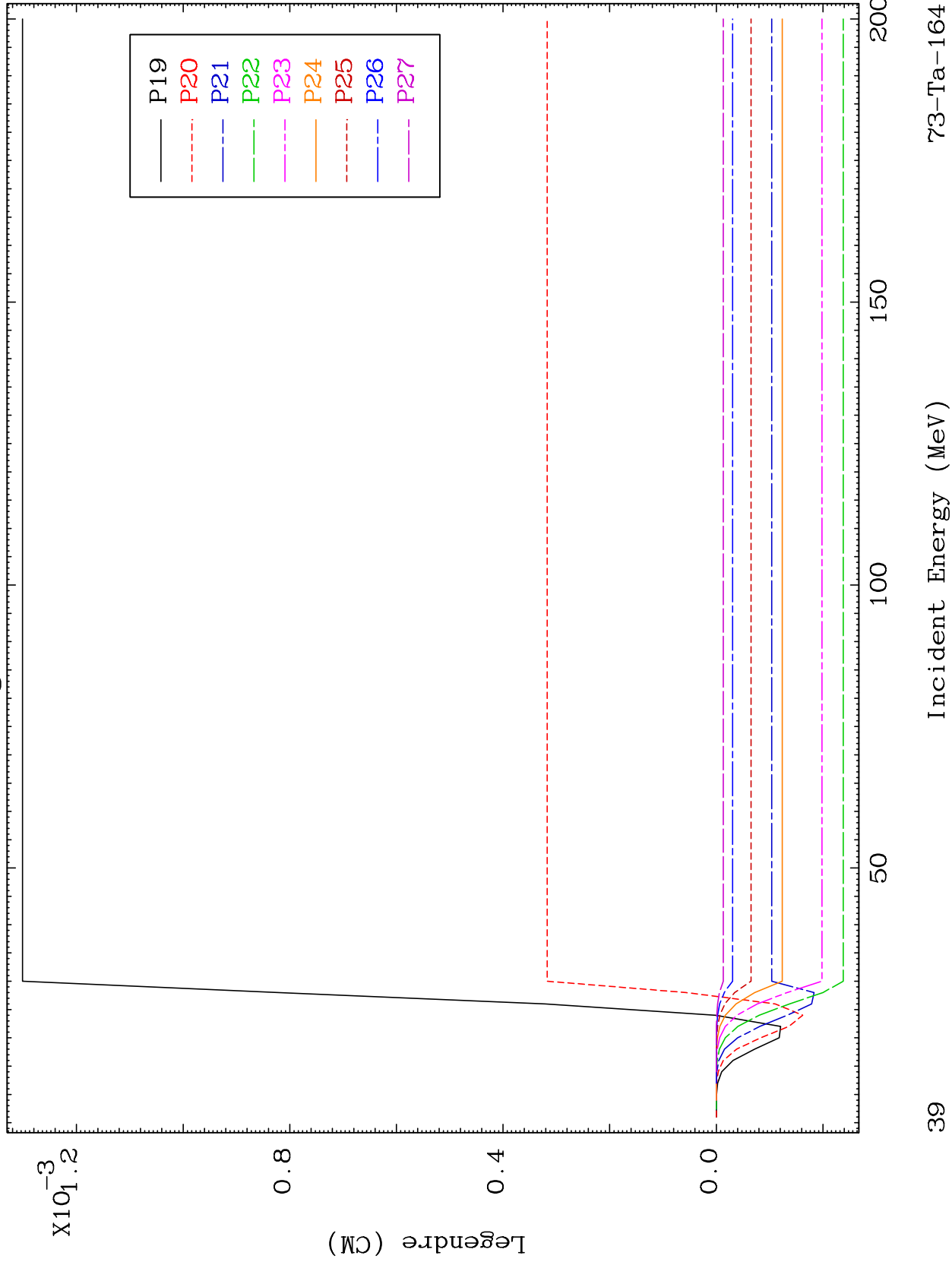
37



MAT 7277

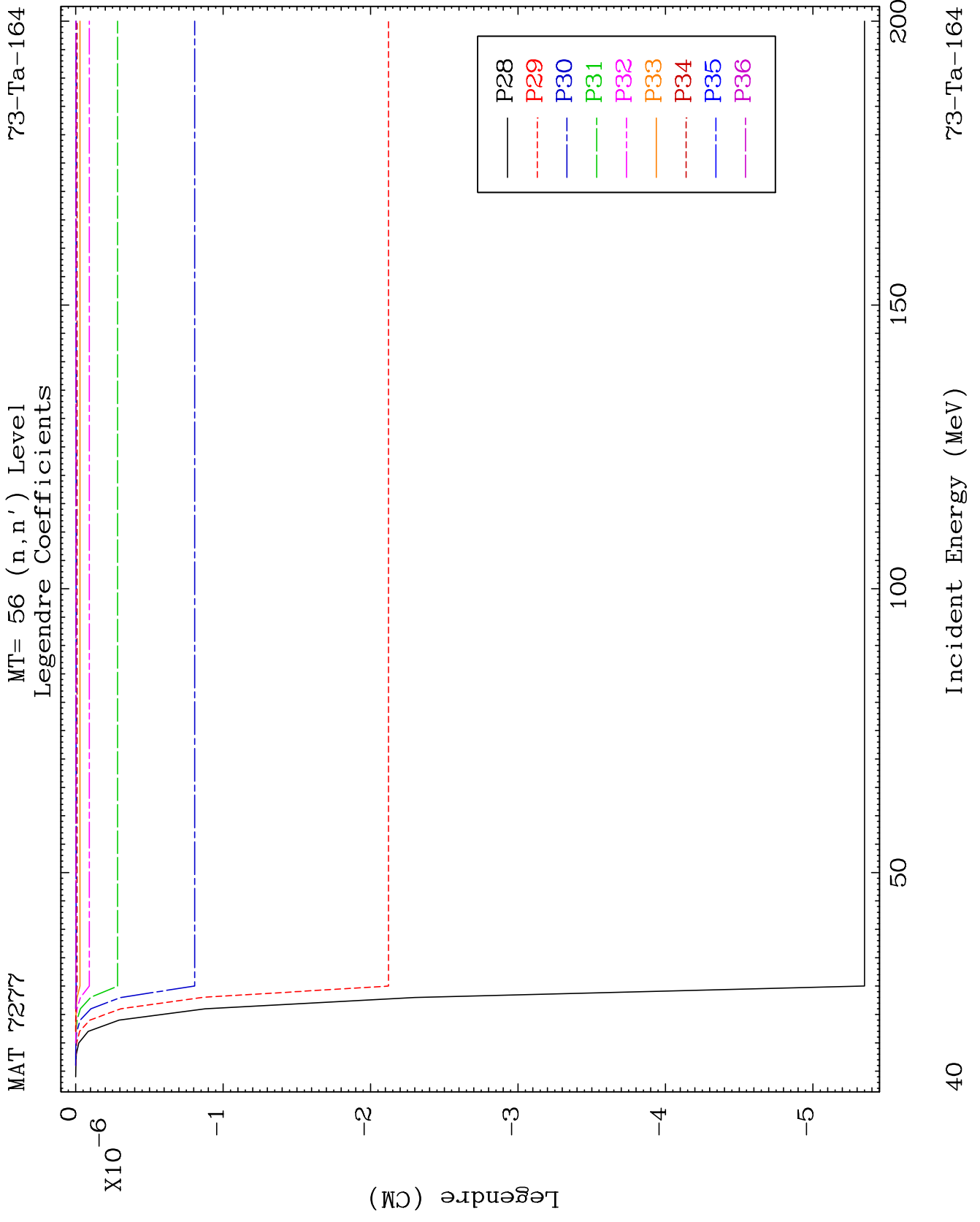
MT= 56 (n,n') Level
Legendre Coefficients

73-Ta-164



39

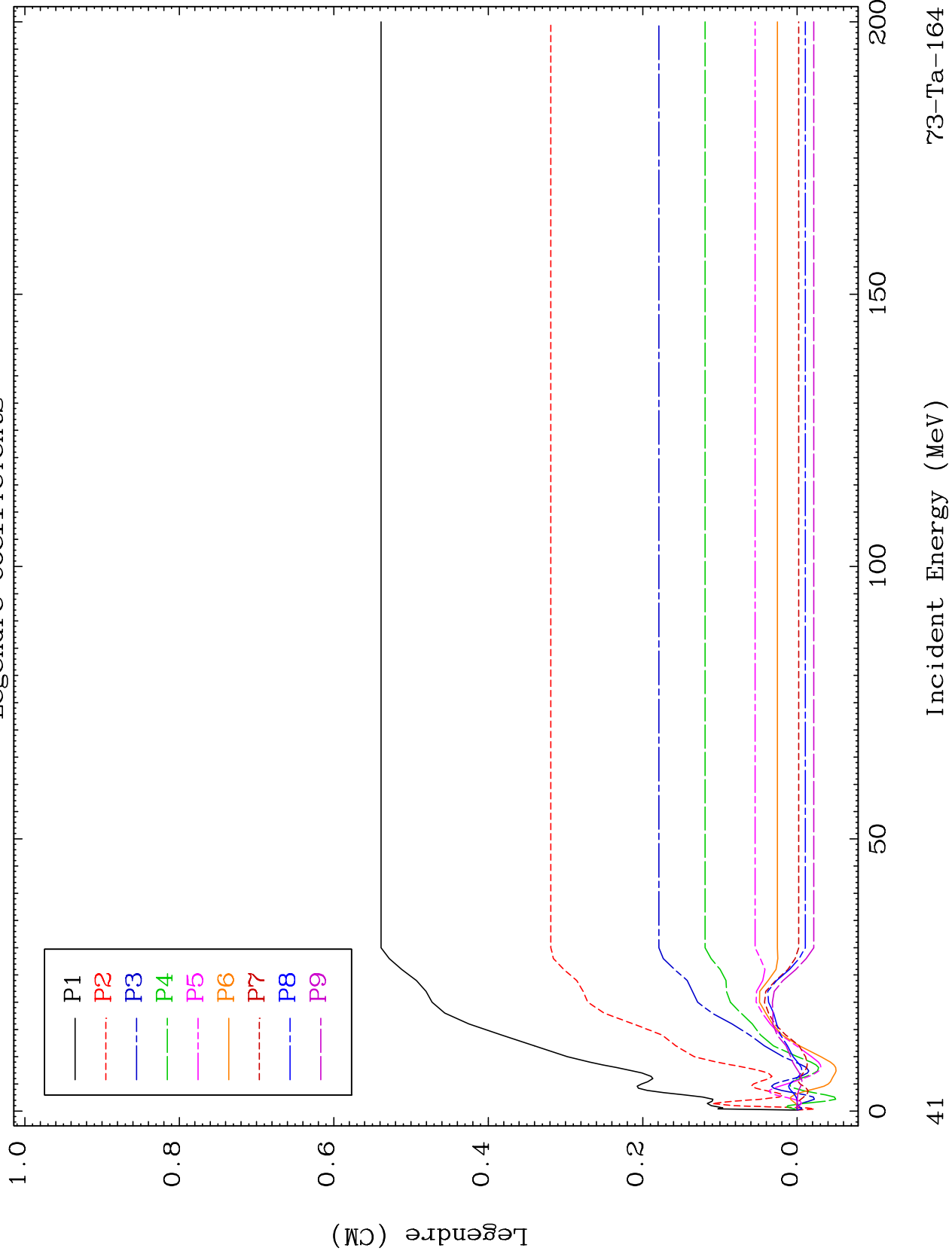
73-Ta-164



MAT 7277

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

⁷³Ta-164



41

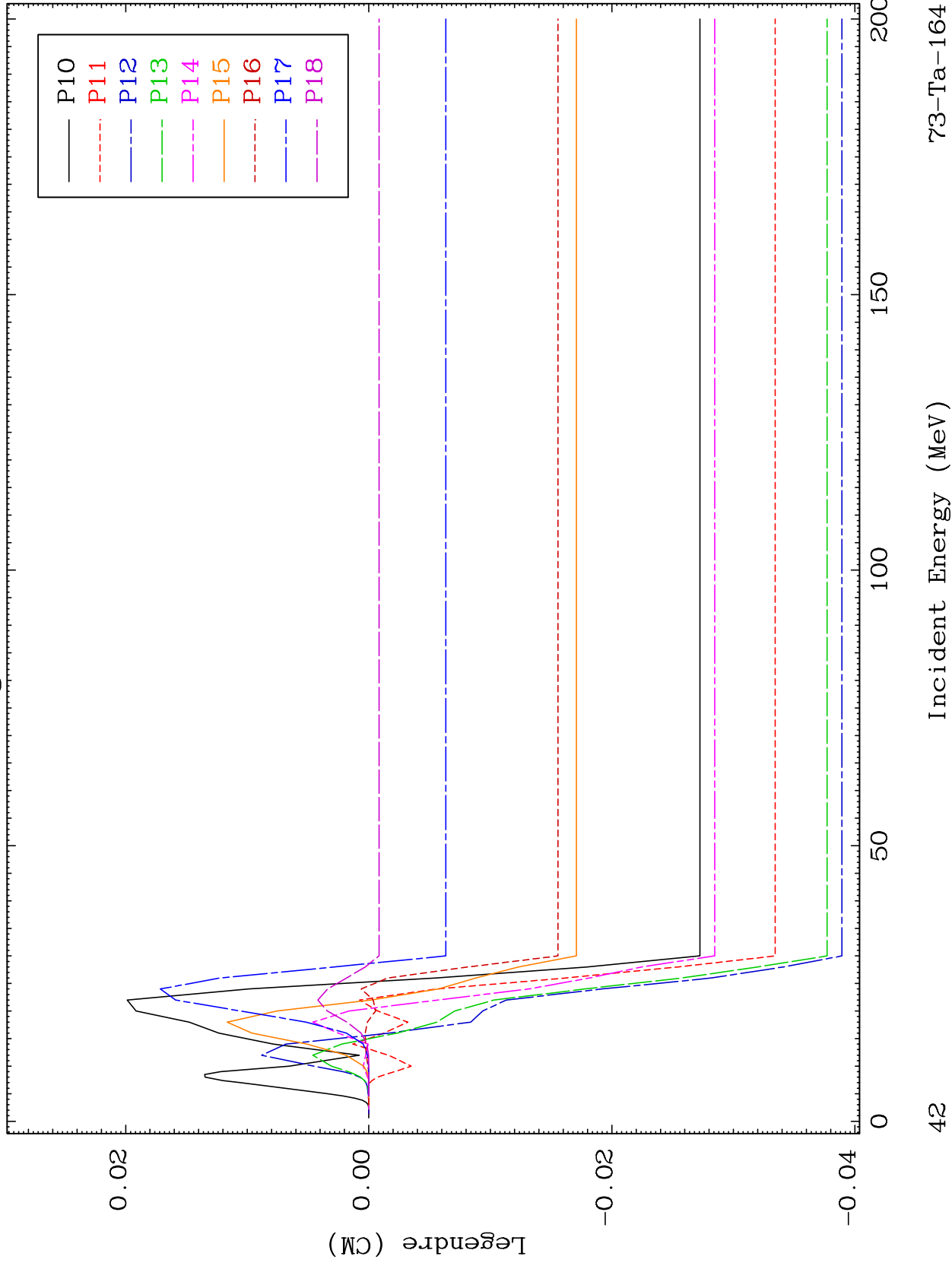
Incident Energy (MeV)

⁷³Ta-164

MAT 7277

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

73-Ta-164



42

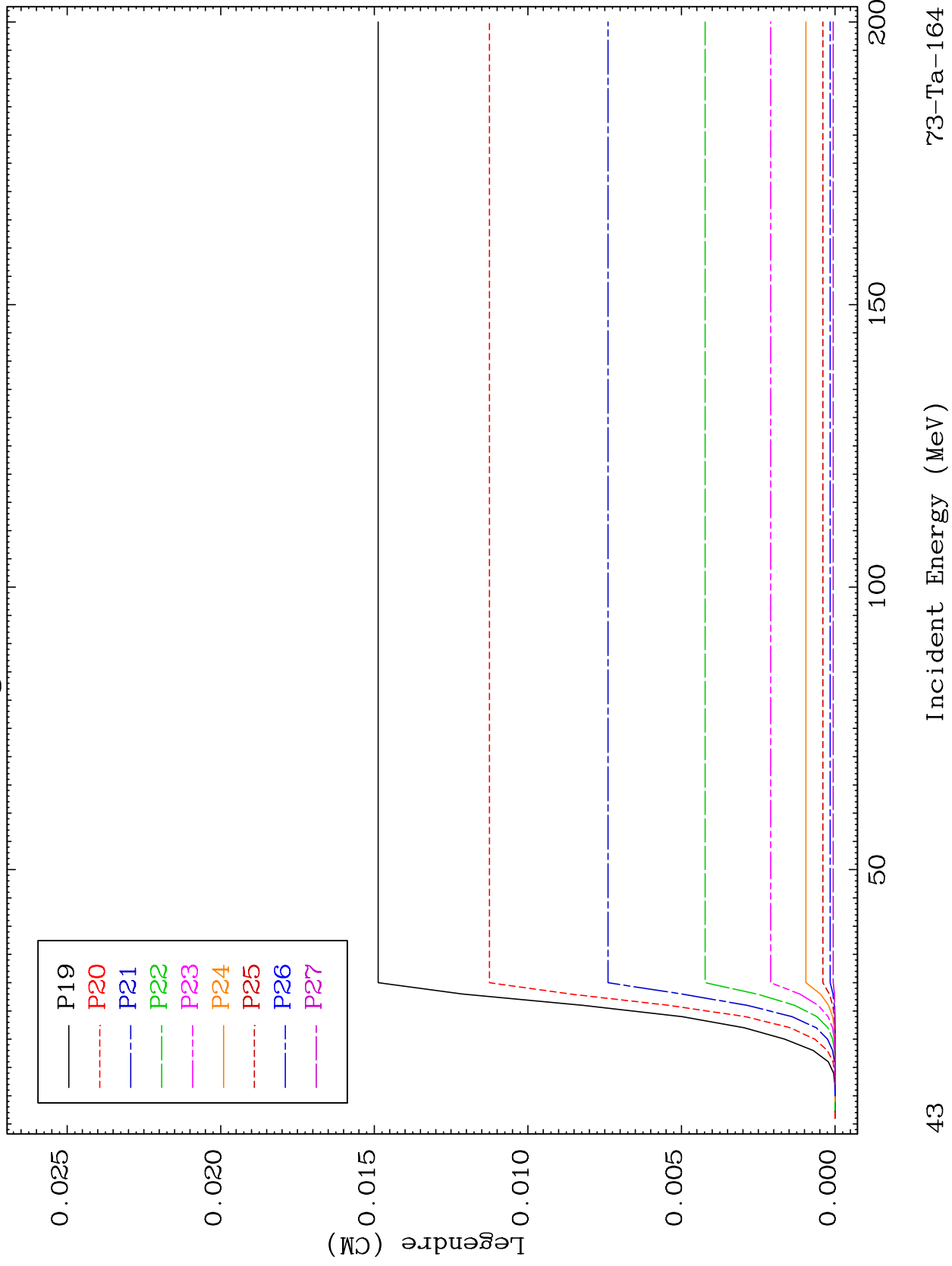
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

73-Ta-164



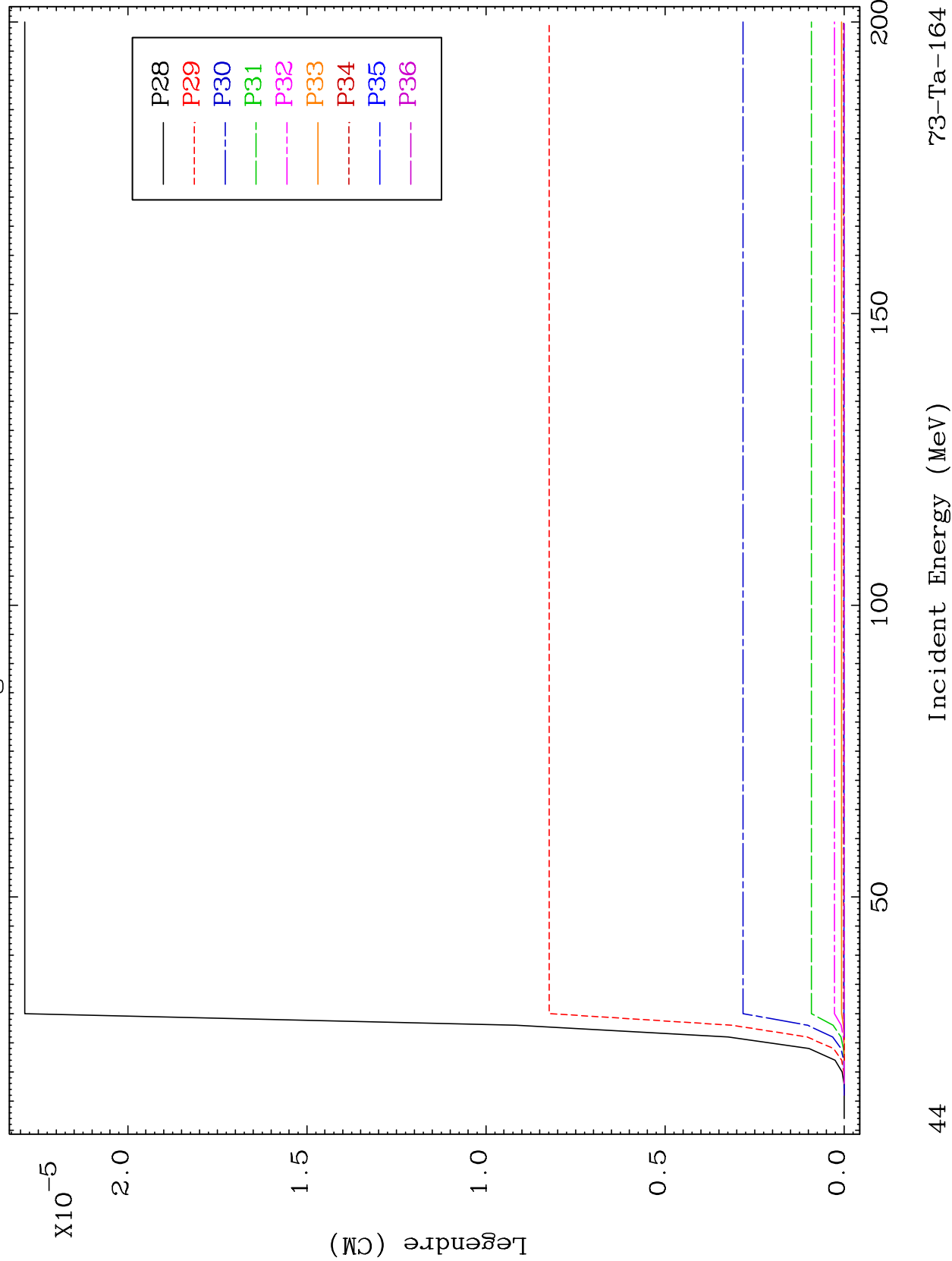
43

73-Ta-164

MAT 7277

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

73-Ta-164

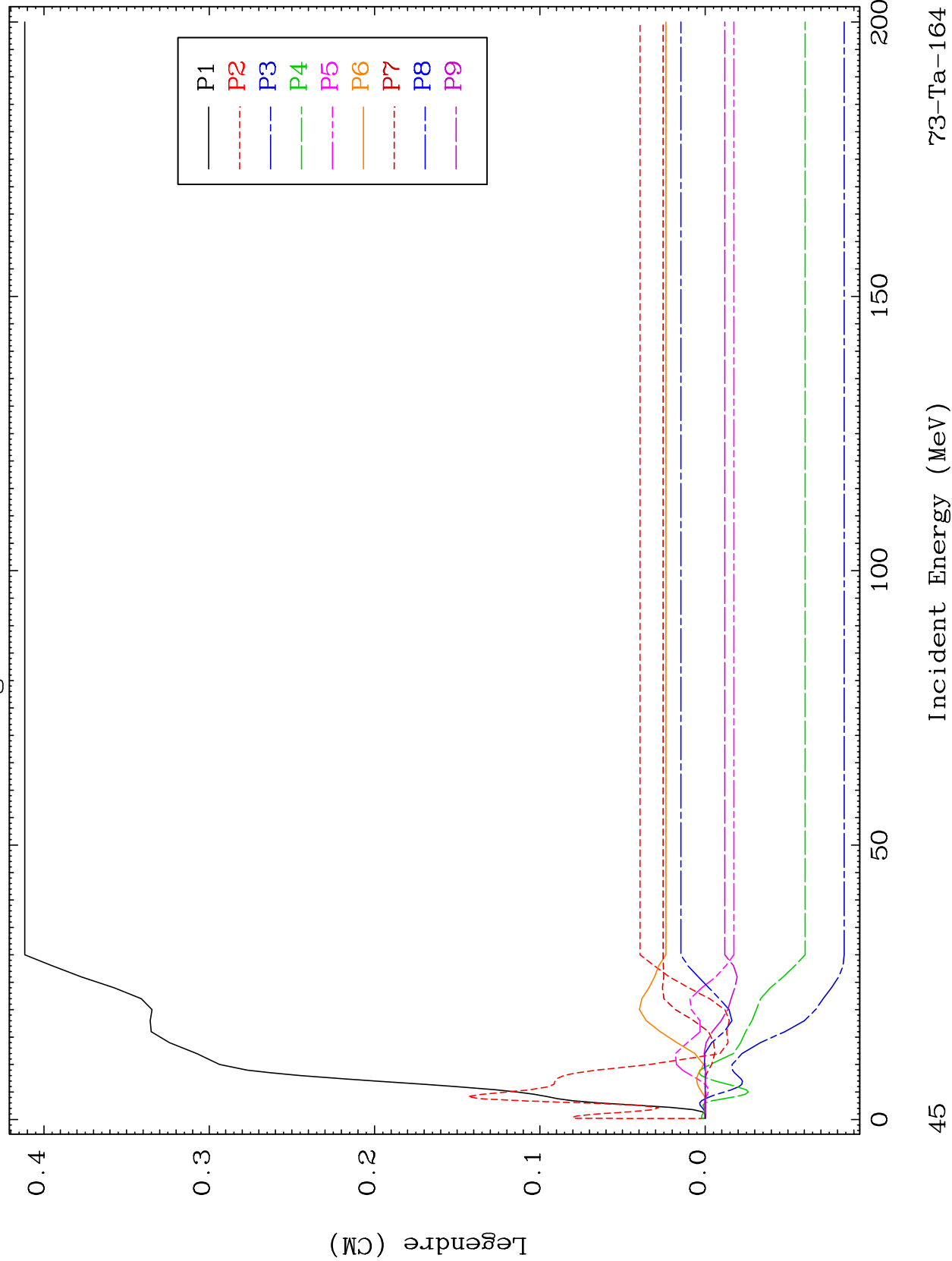


44

MAT 7277

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

73-Ta-164

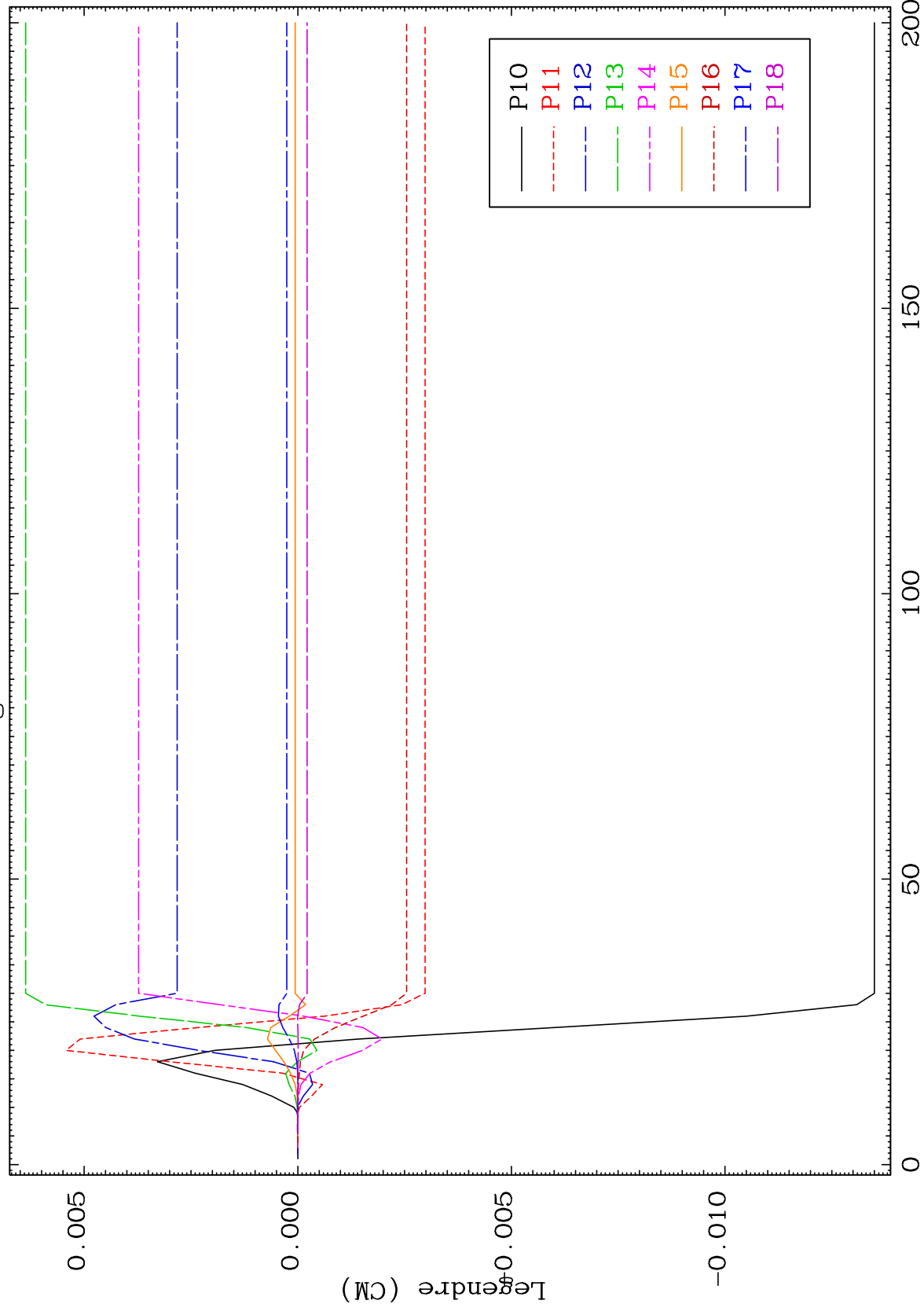


73-Ta-164

MAT 7277

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

73-Ta-164



73-Ta-164

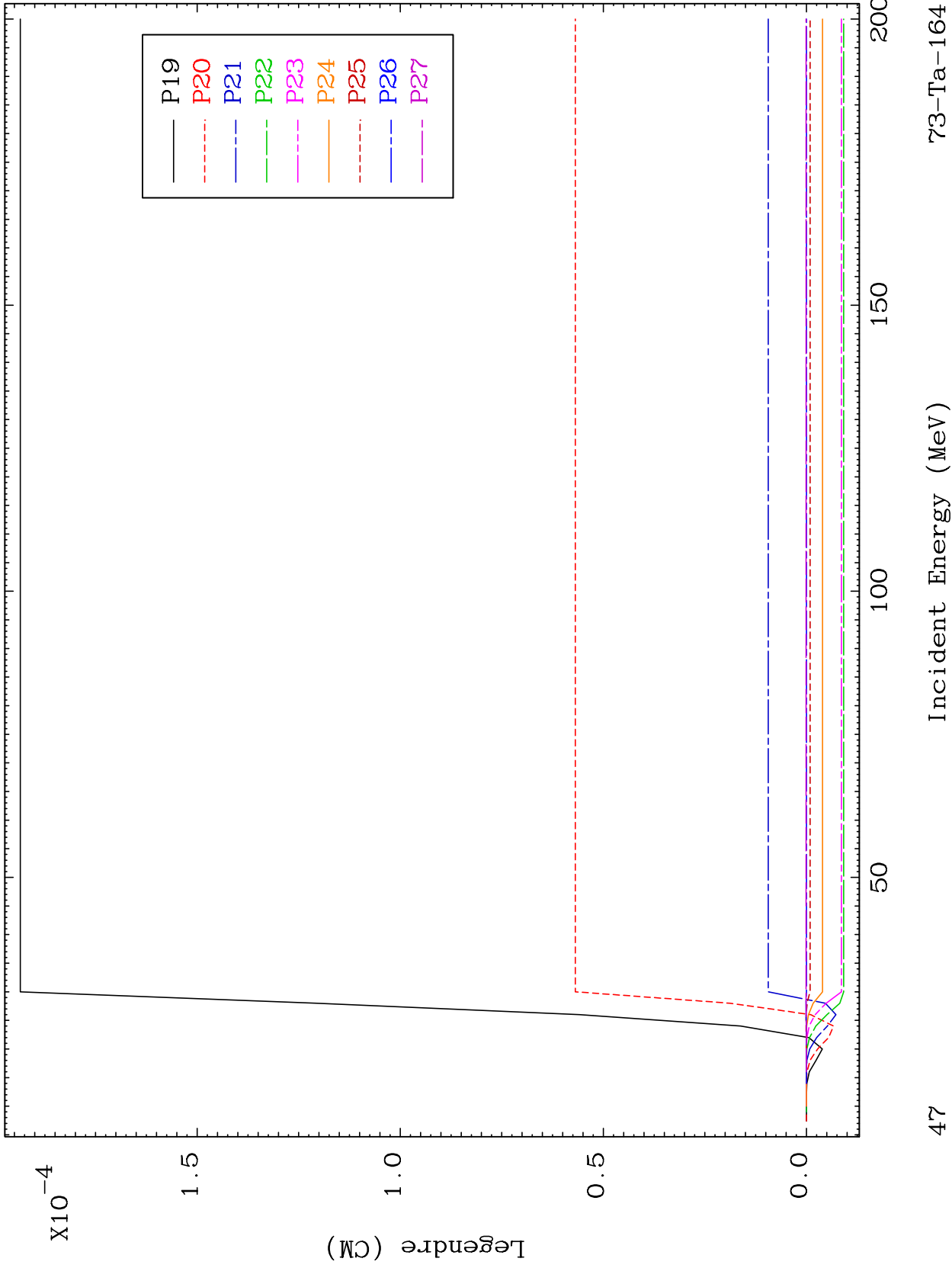
Incident Energy (MeV)

46

MAT 7277

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

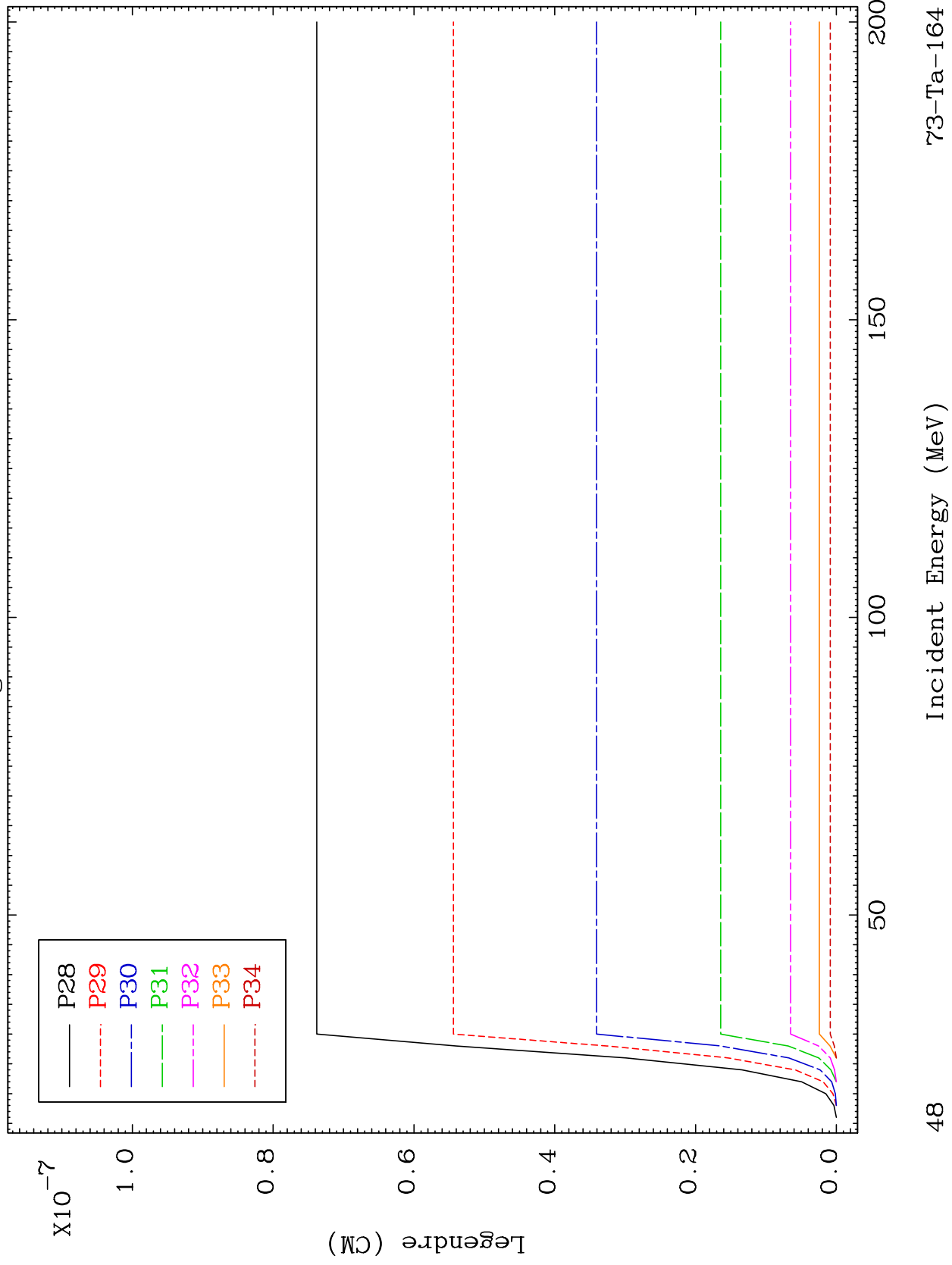
73-Ta-164



MAT 7277

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

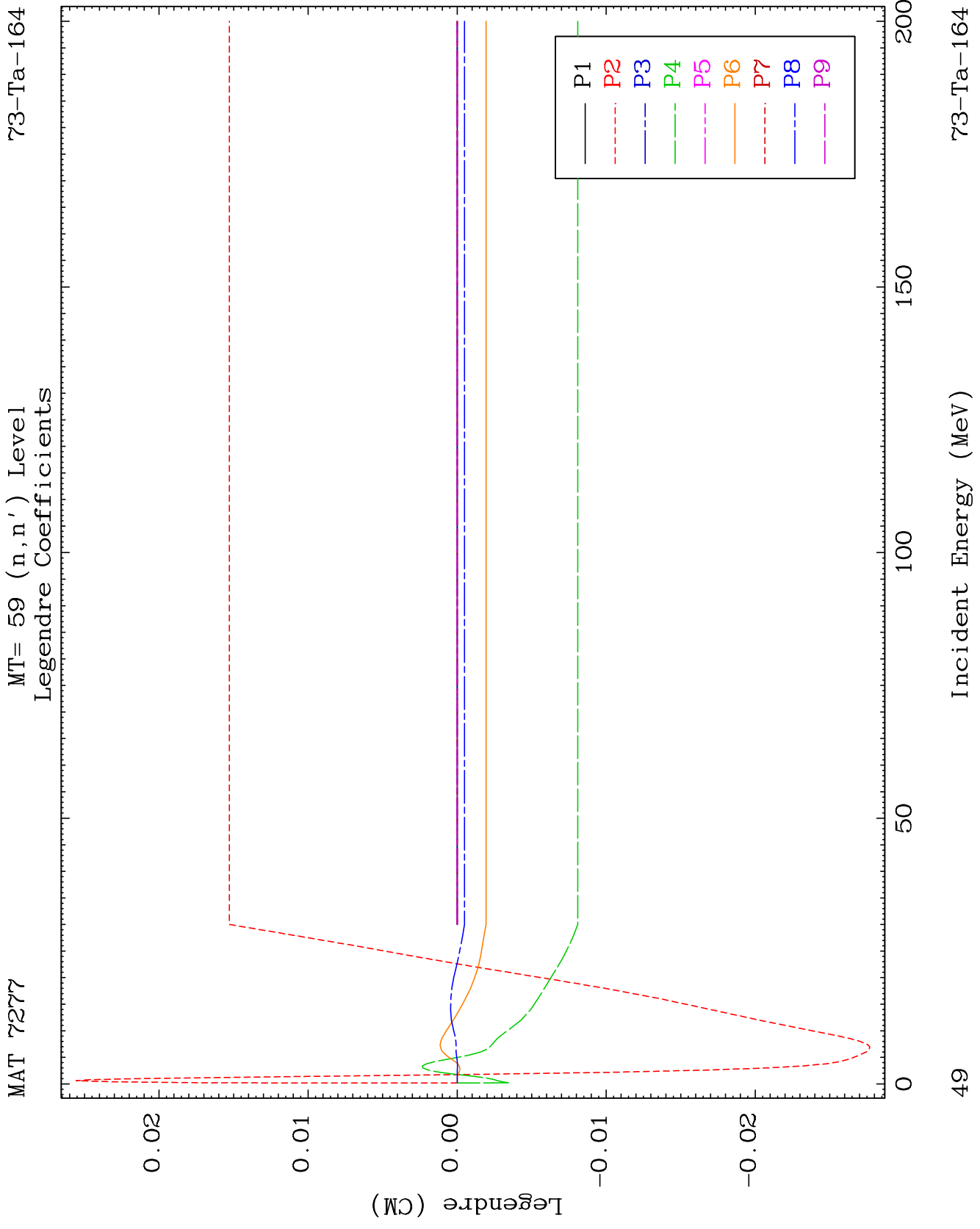
73-Ta-164



48

Incident Energy (MeV)

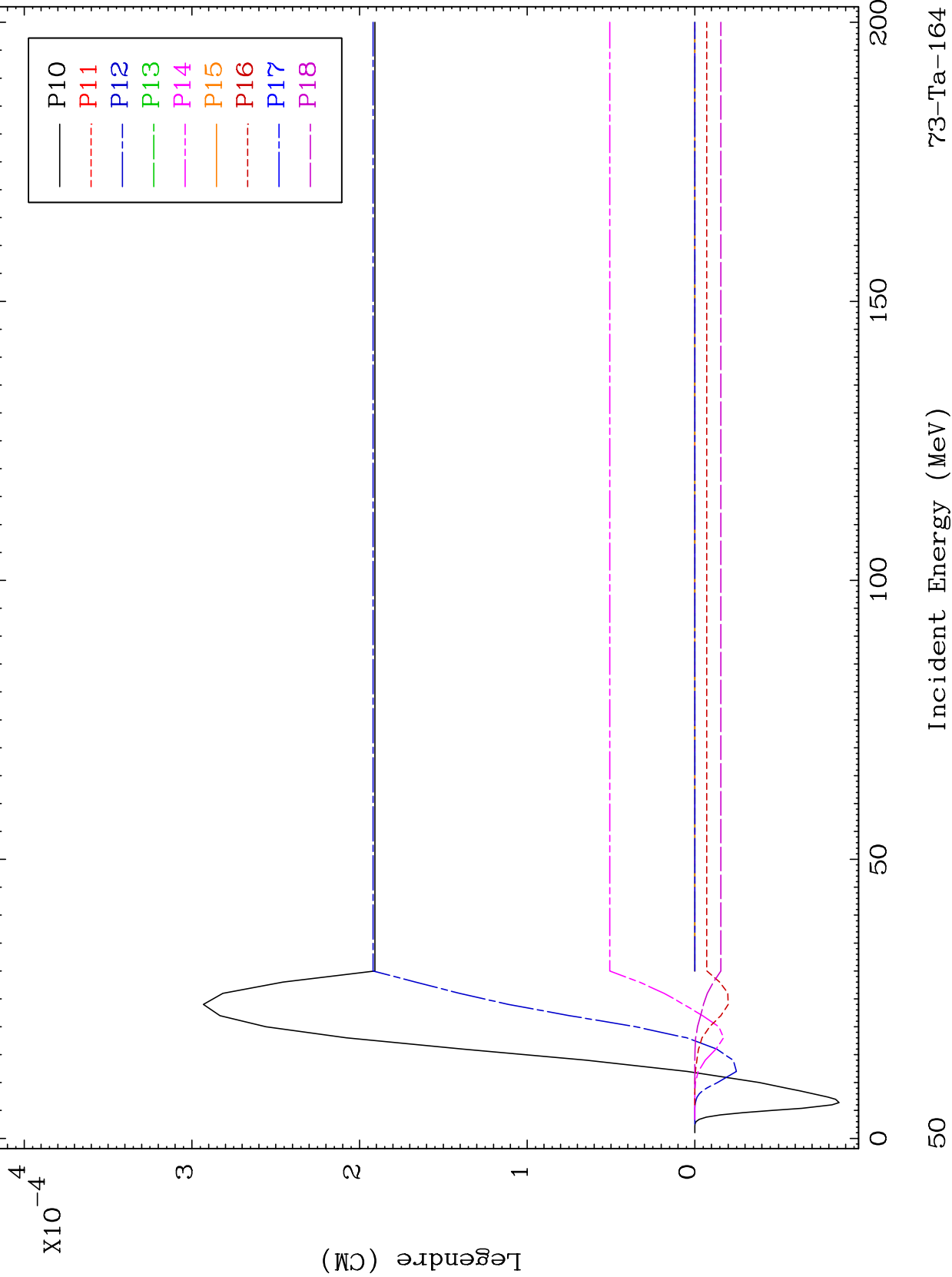
73-Ta-164

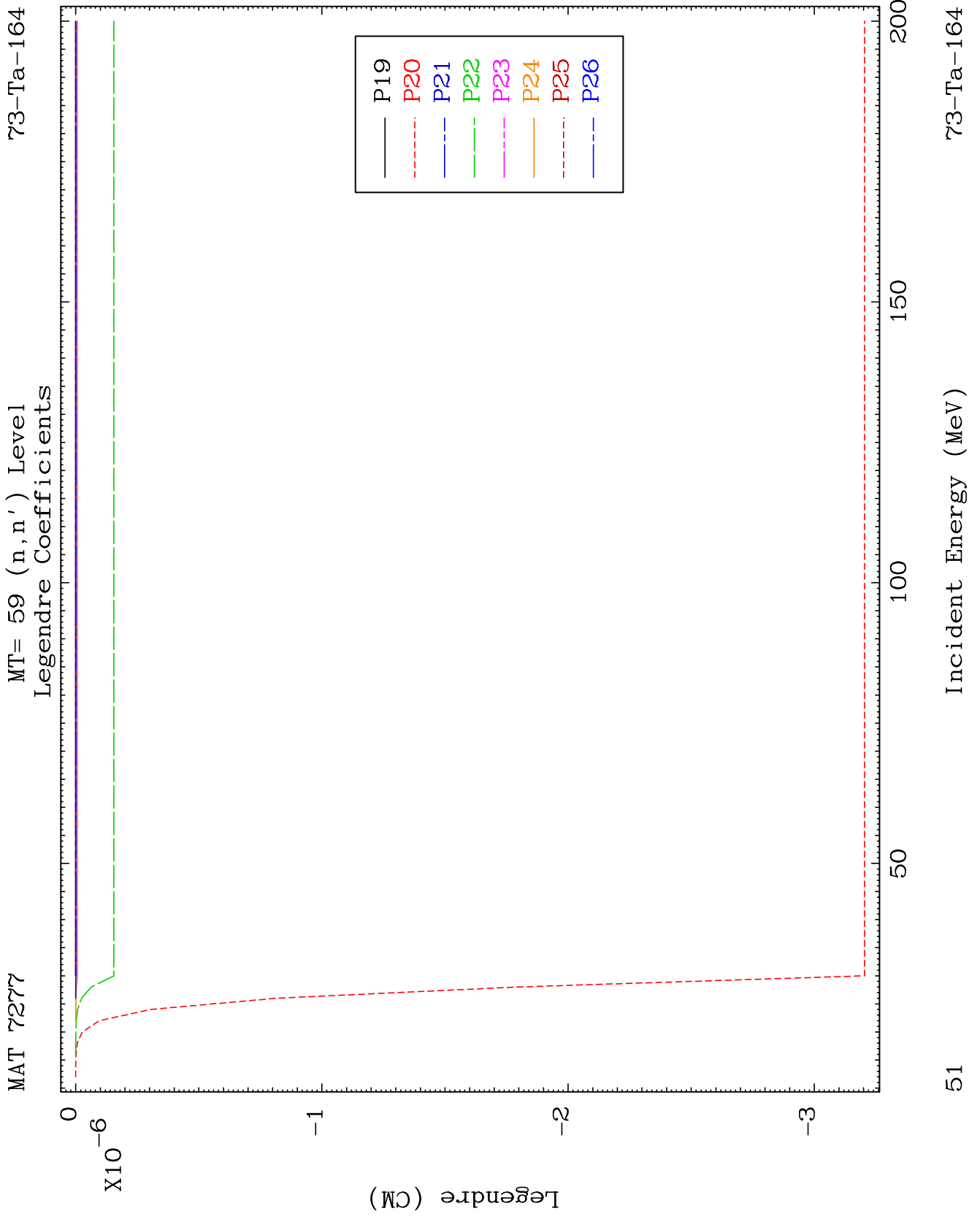


MAT 7277

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

73-Ta-164

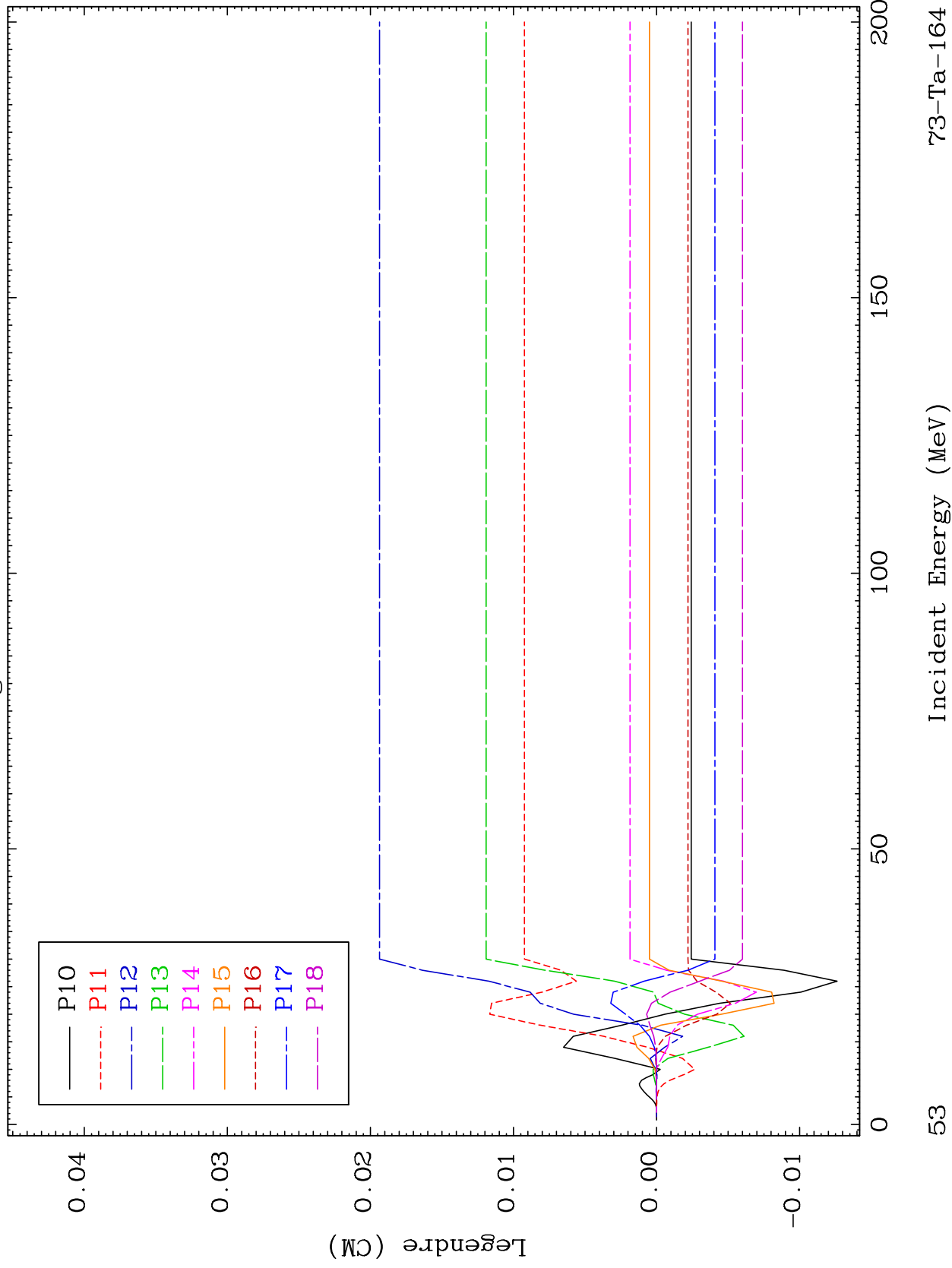




MAT 7277

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

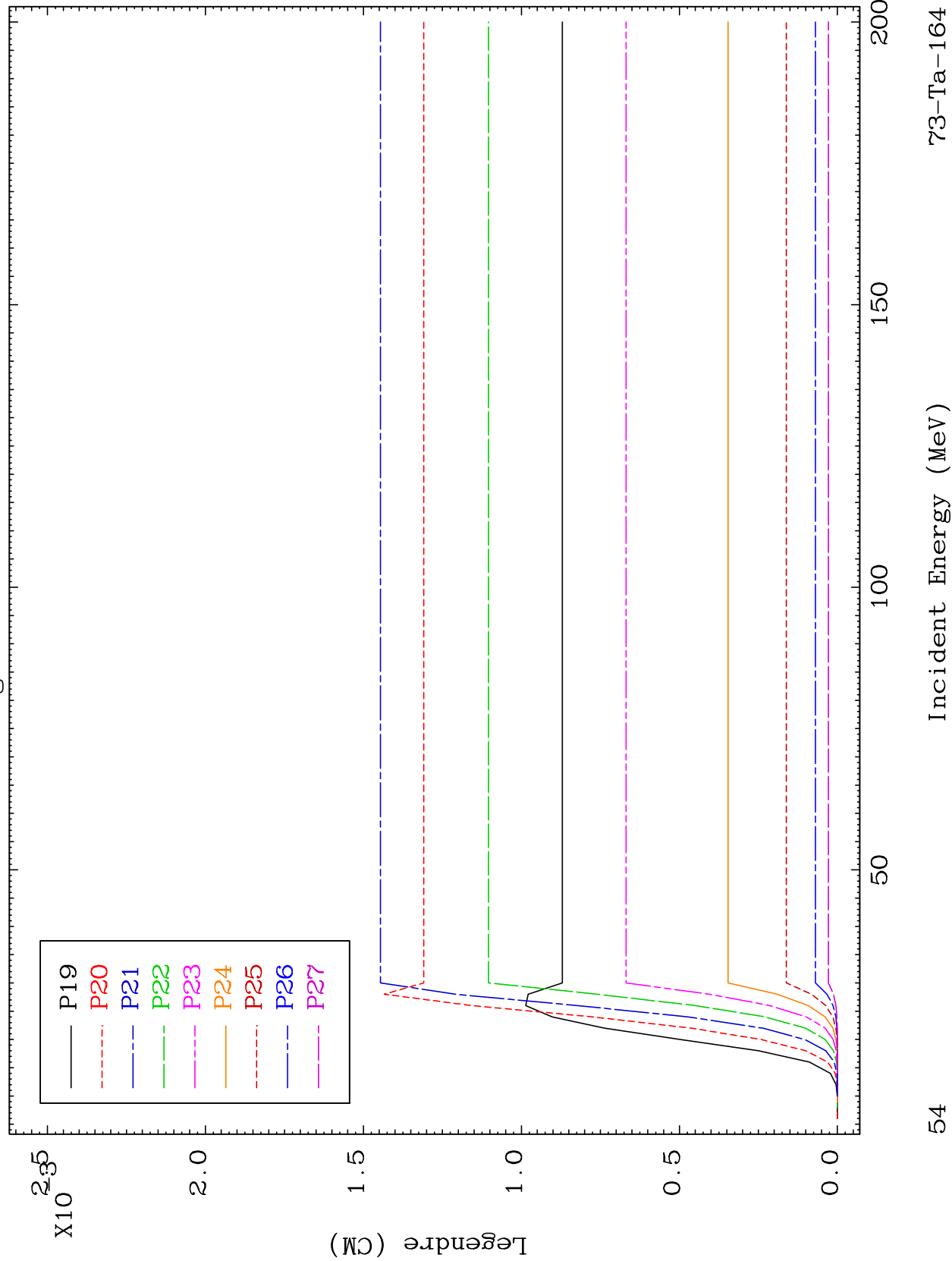
73-Ta-164

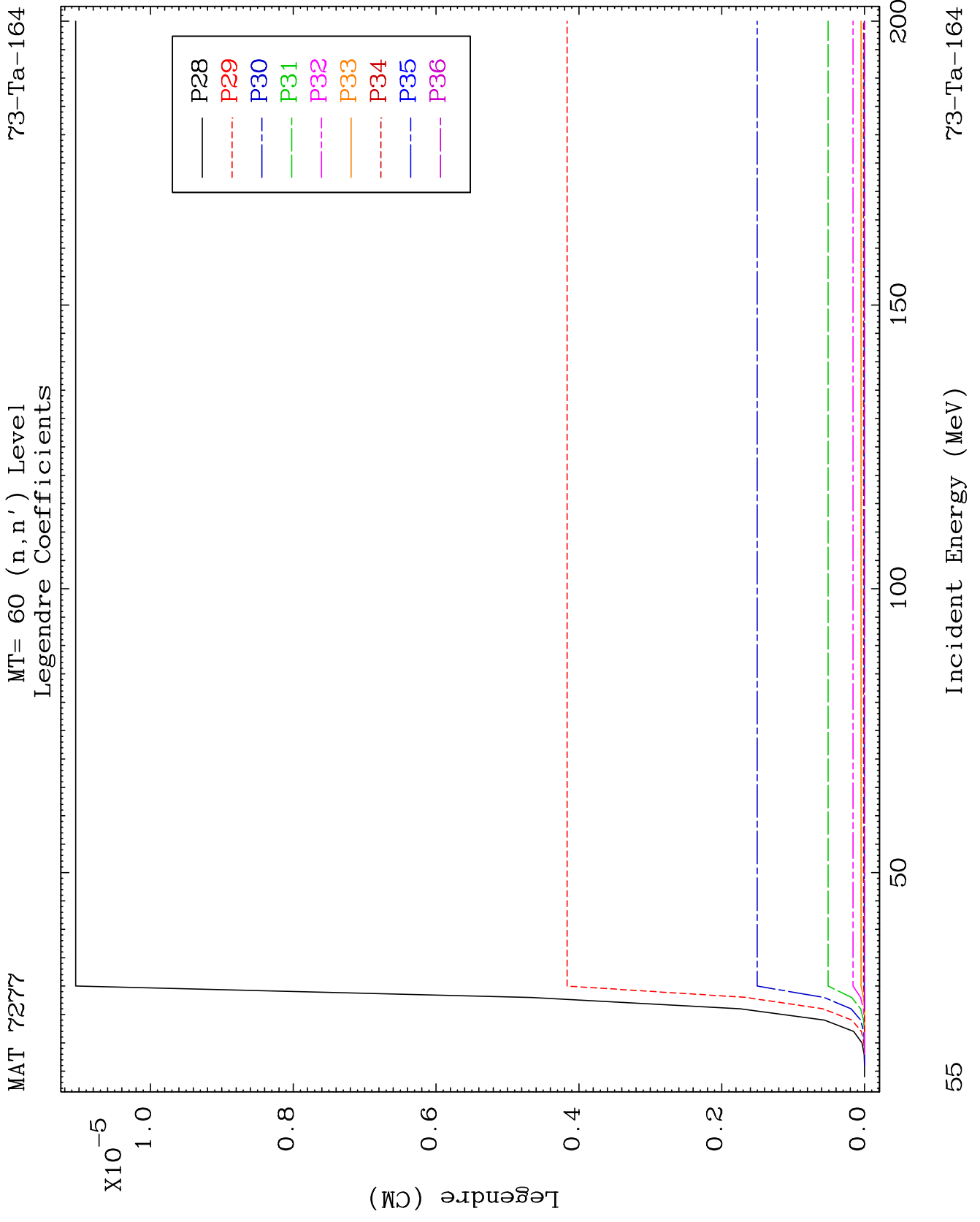


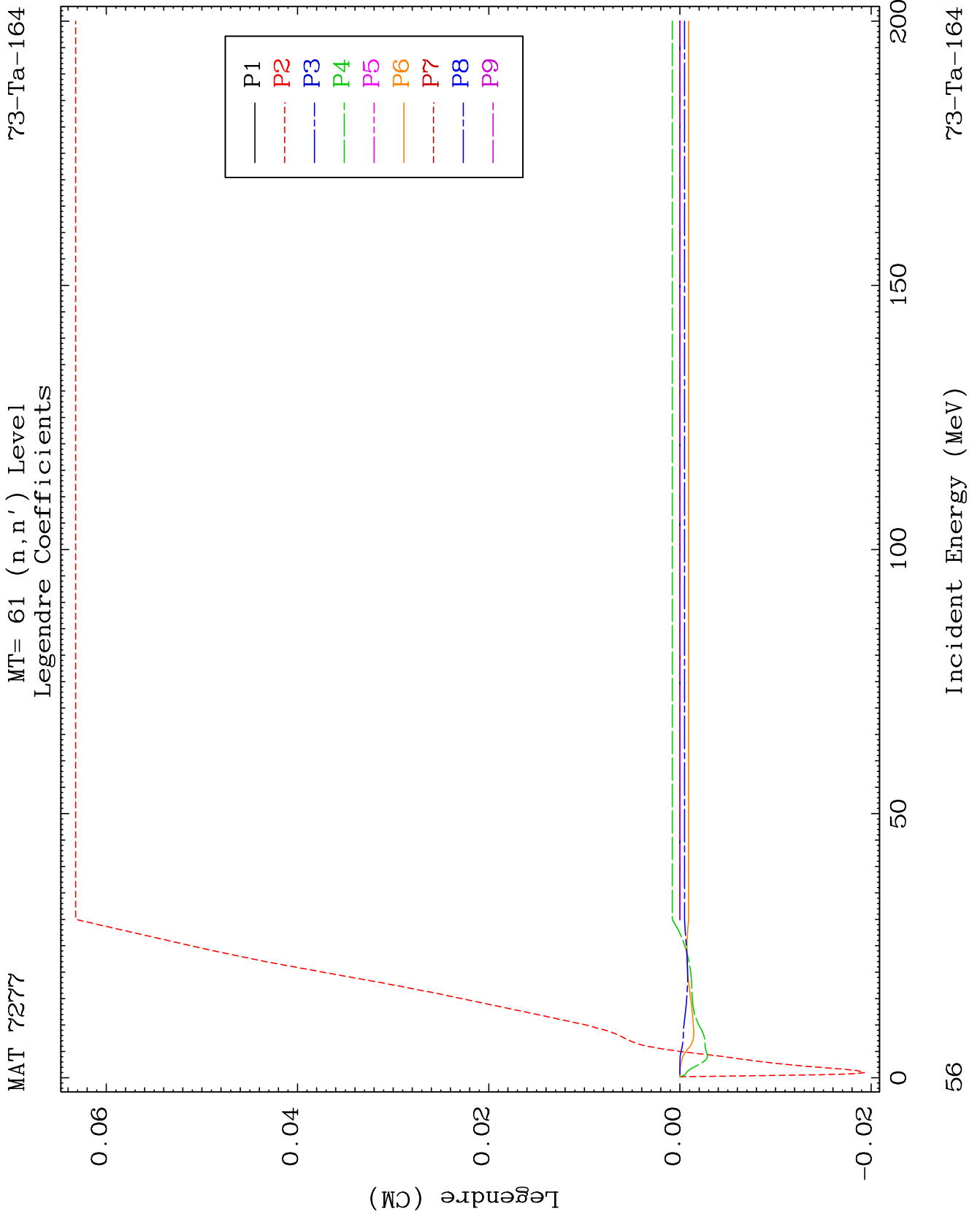
53

Incident Energy (MeV)

73-Ta-164



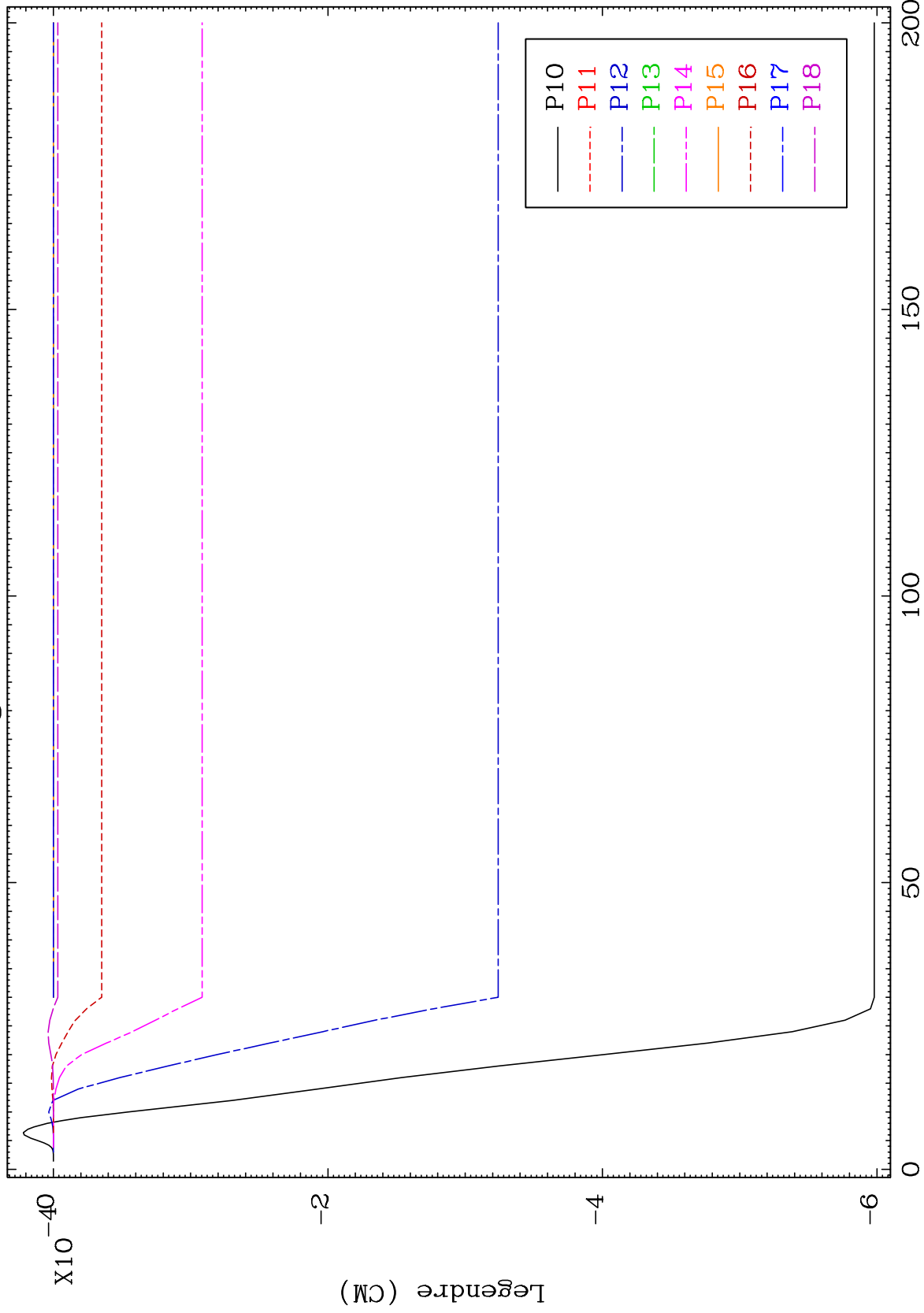




MAT 7277

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

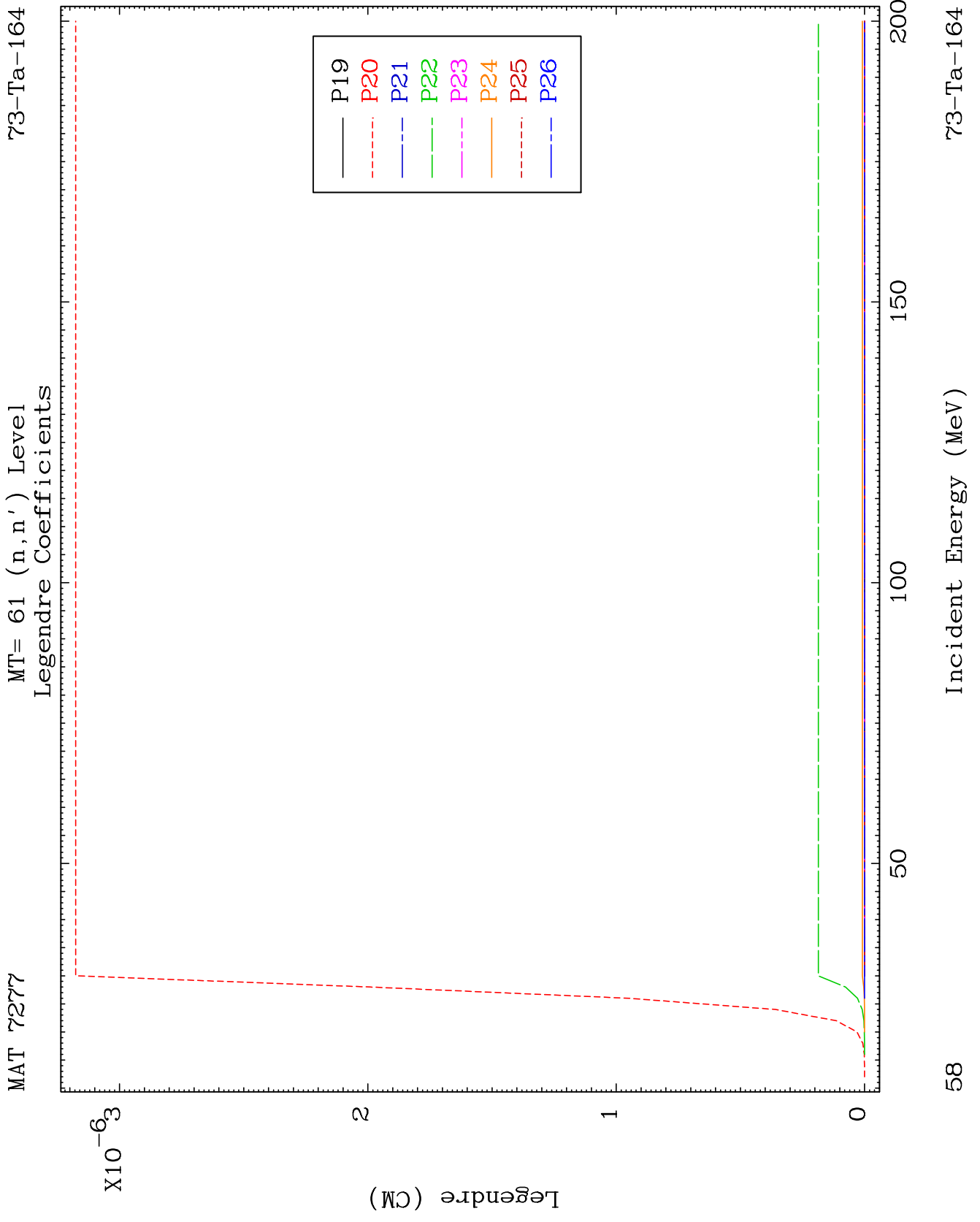
73-Ta-164



57

Incident Energy (MeV)

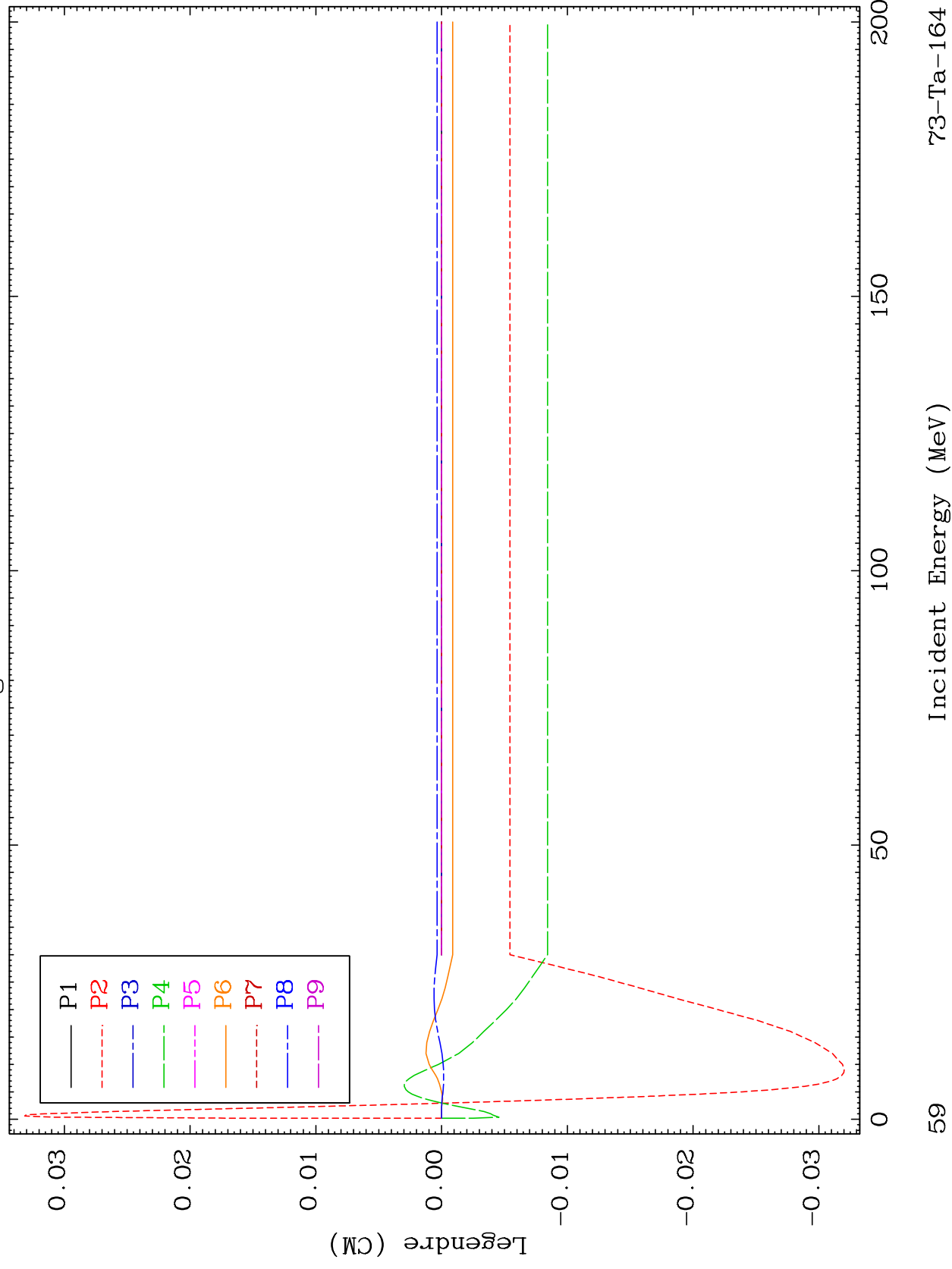
73-Ta-164



MAT 7277

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

73-Ta-164



59

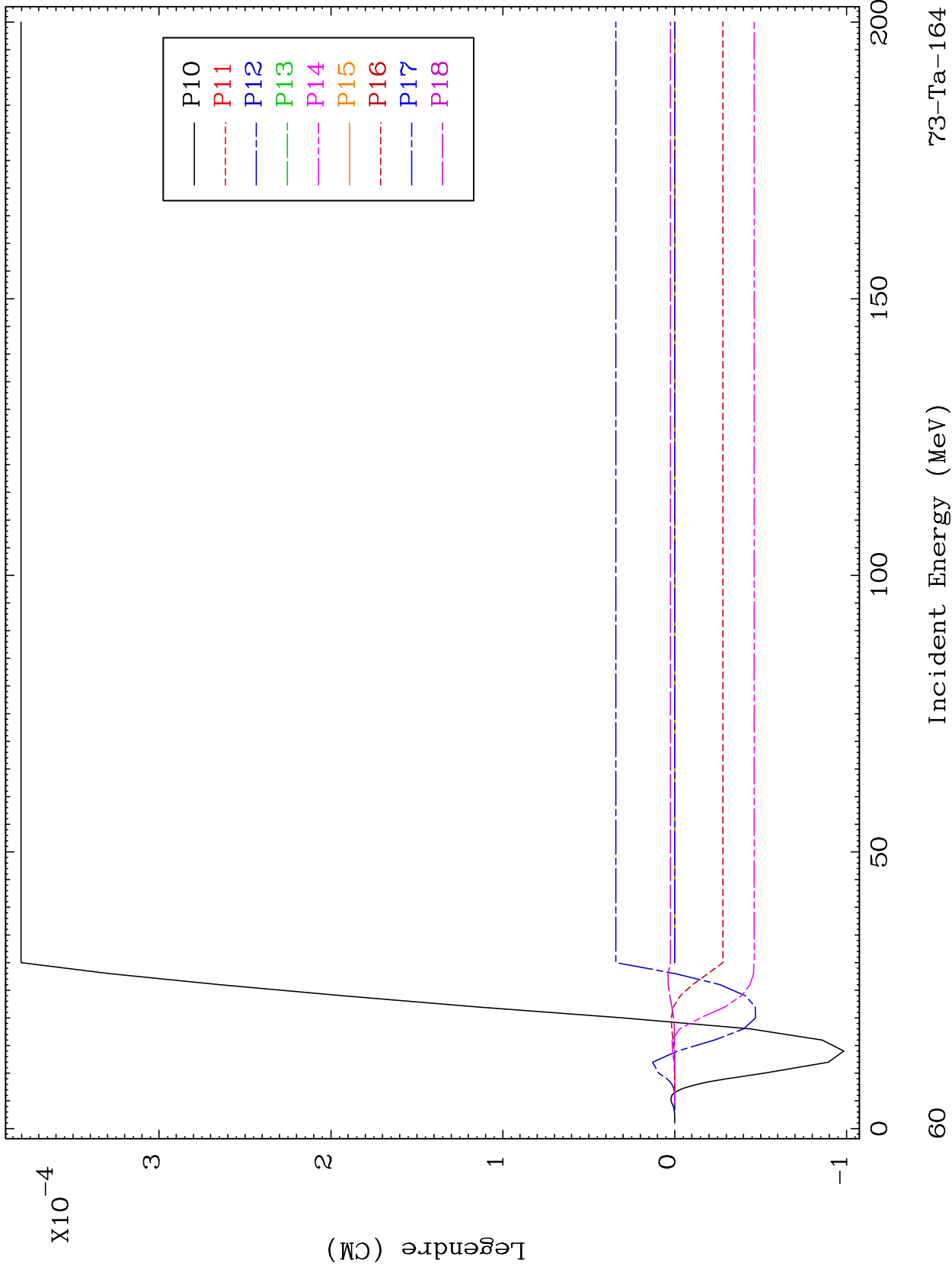
Incident Energy (MeV)

73-Ta-164

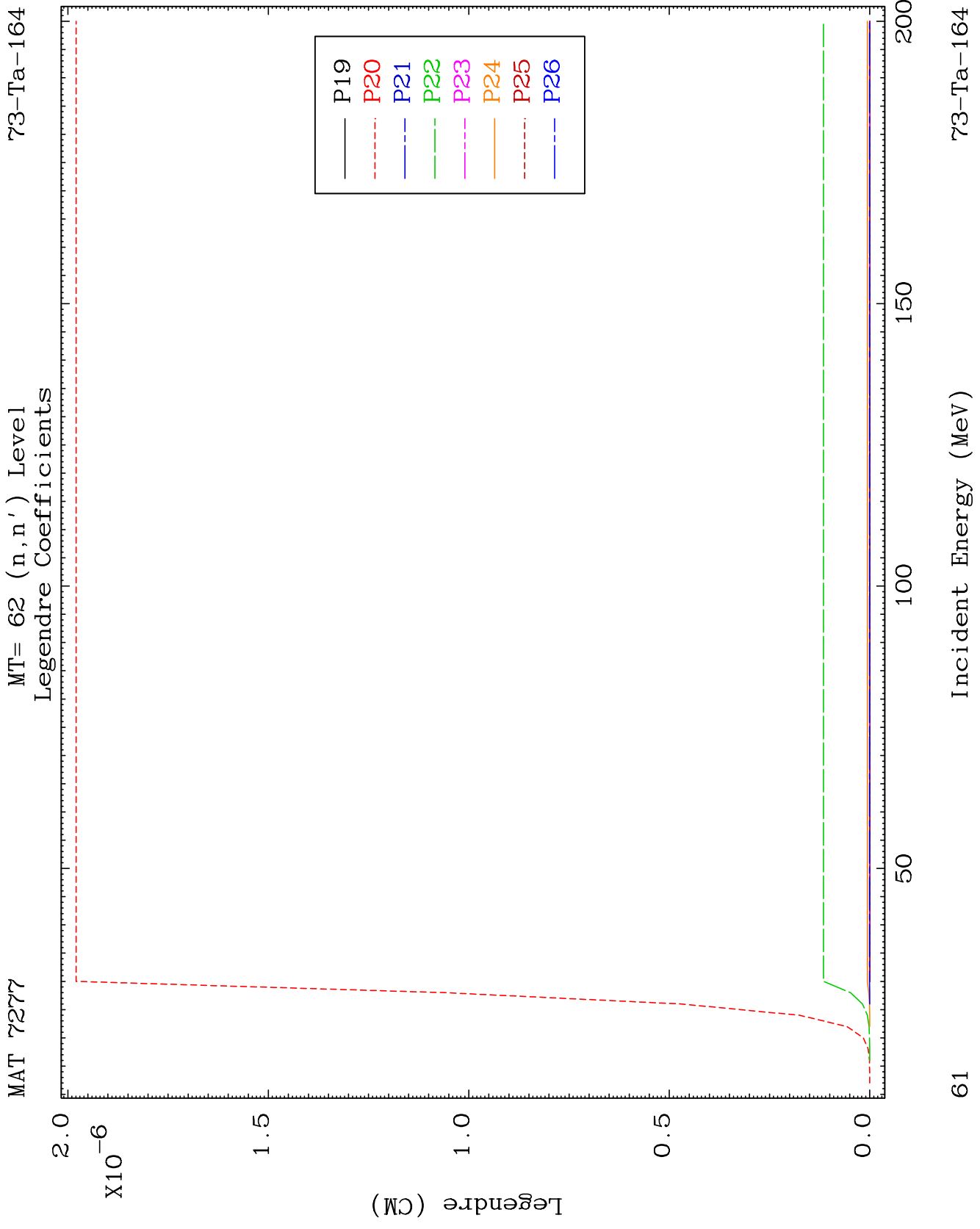
MAT 7277

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

73-Ta-164



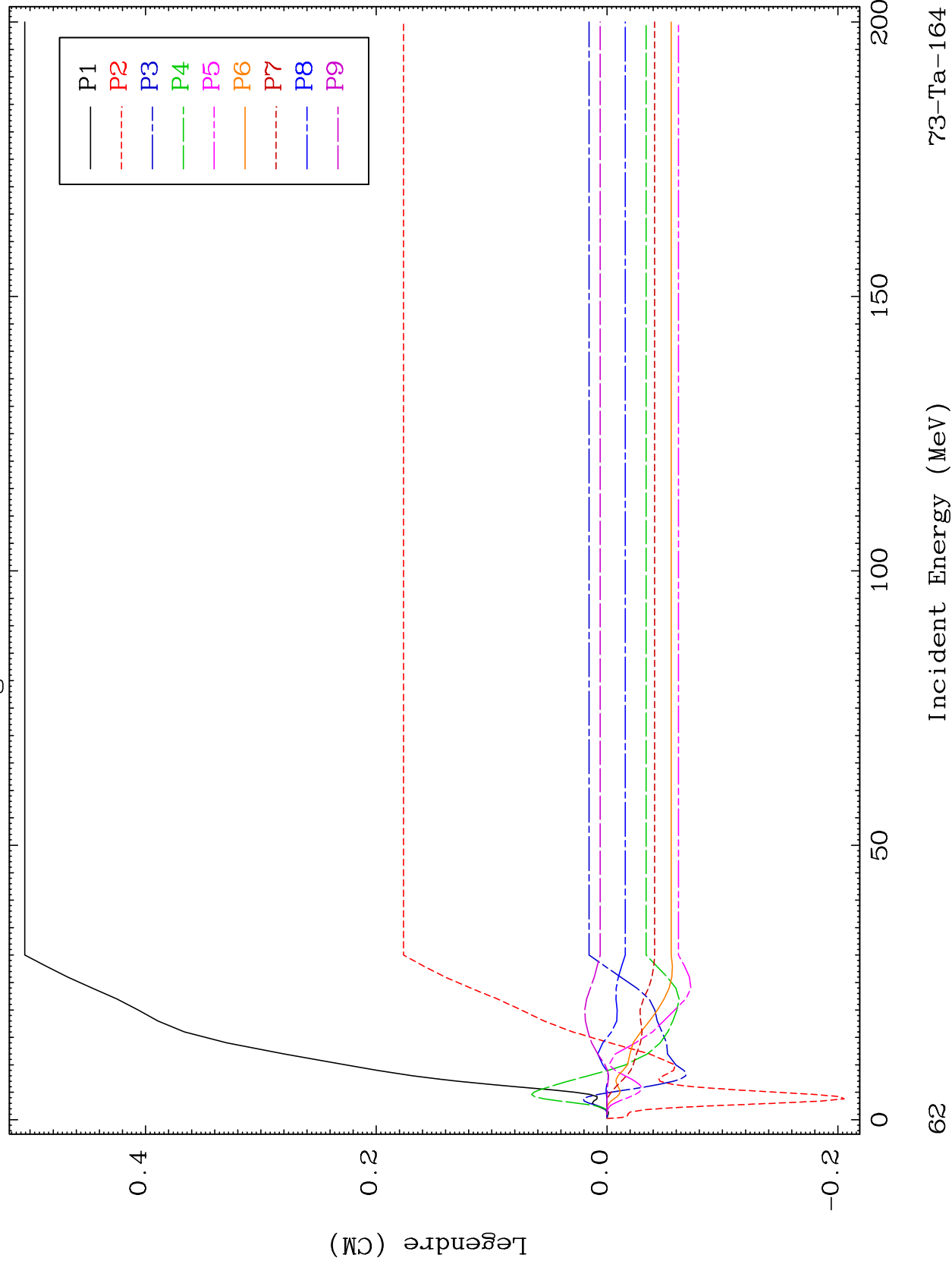
73-Ta-164



MAT 7277

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

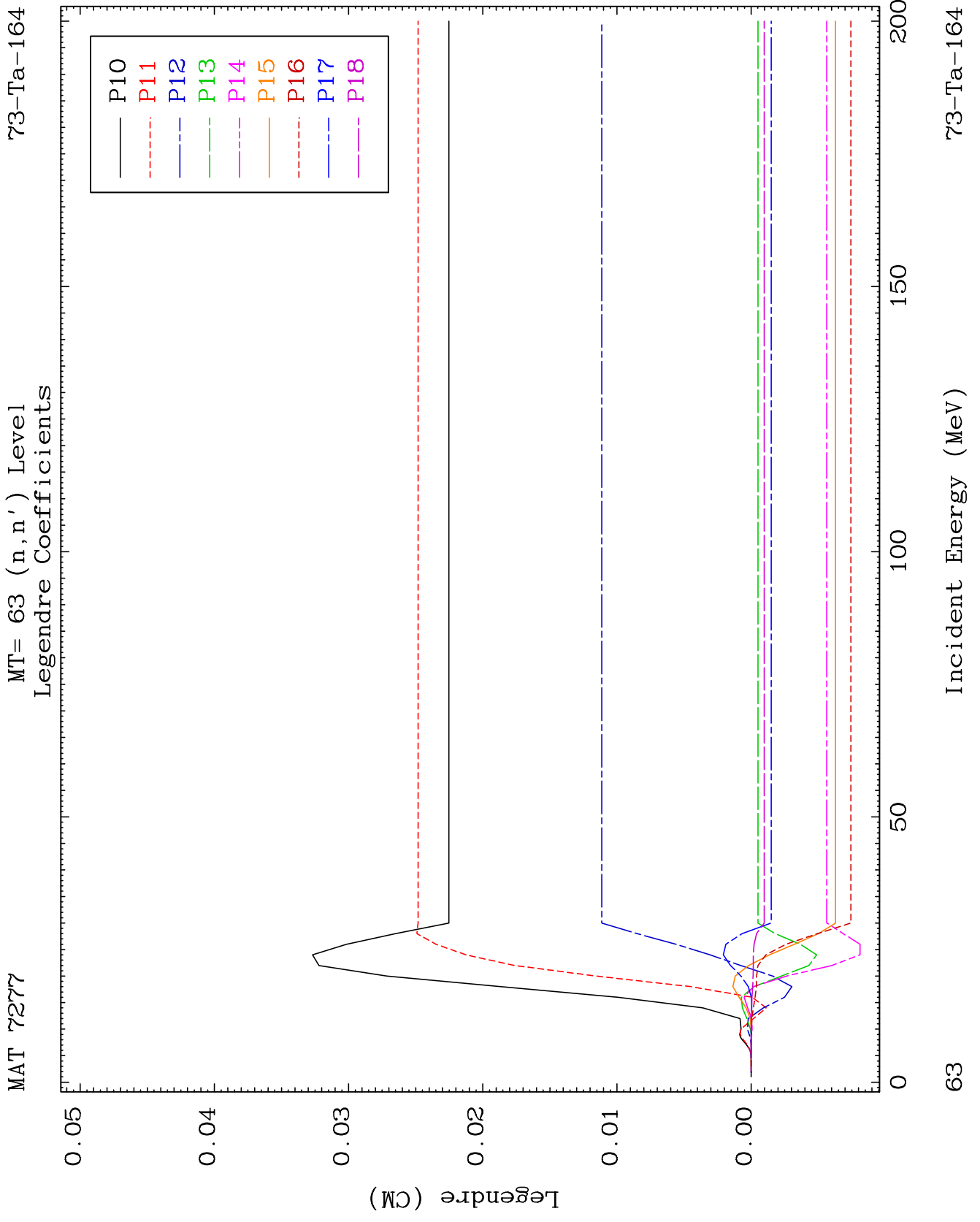
73-Ta-164



73-Ta-164

Incident Energy (MeV)

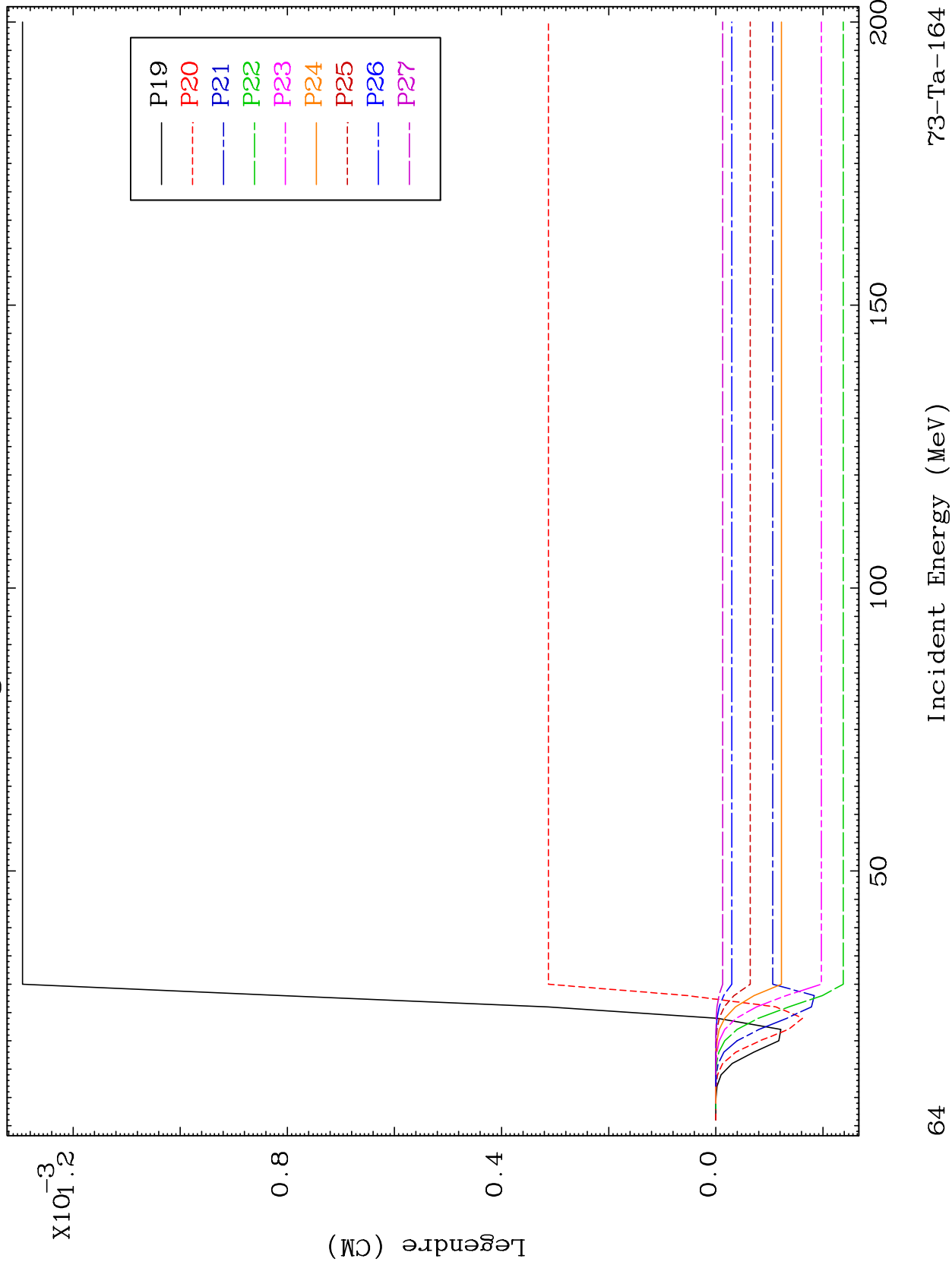
62



MAT 7277

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

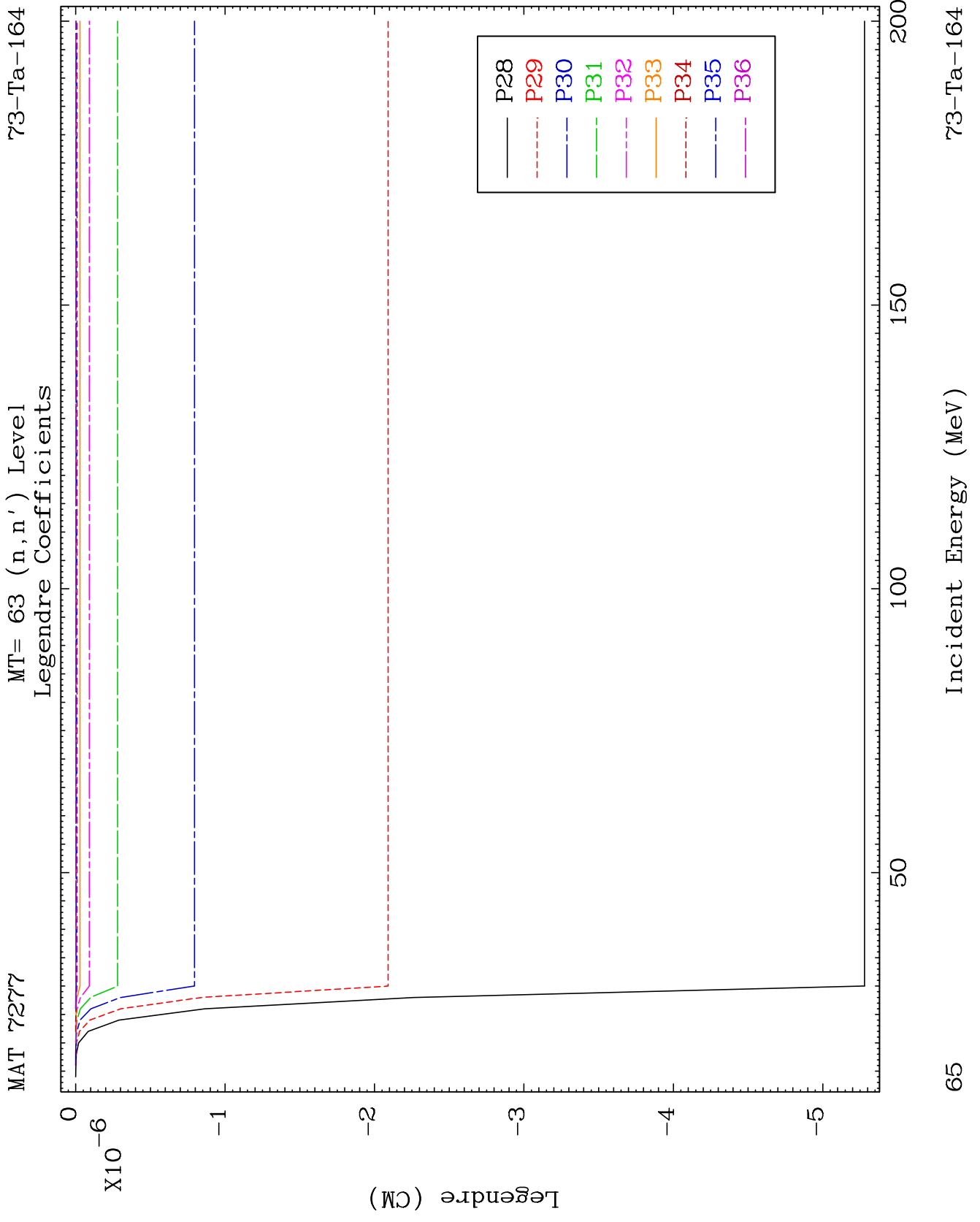
73-Ta-164



64

Incident Energy (MeV)

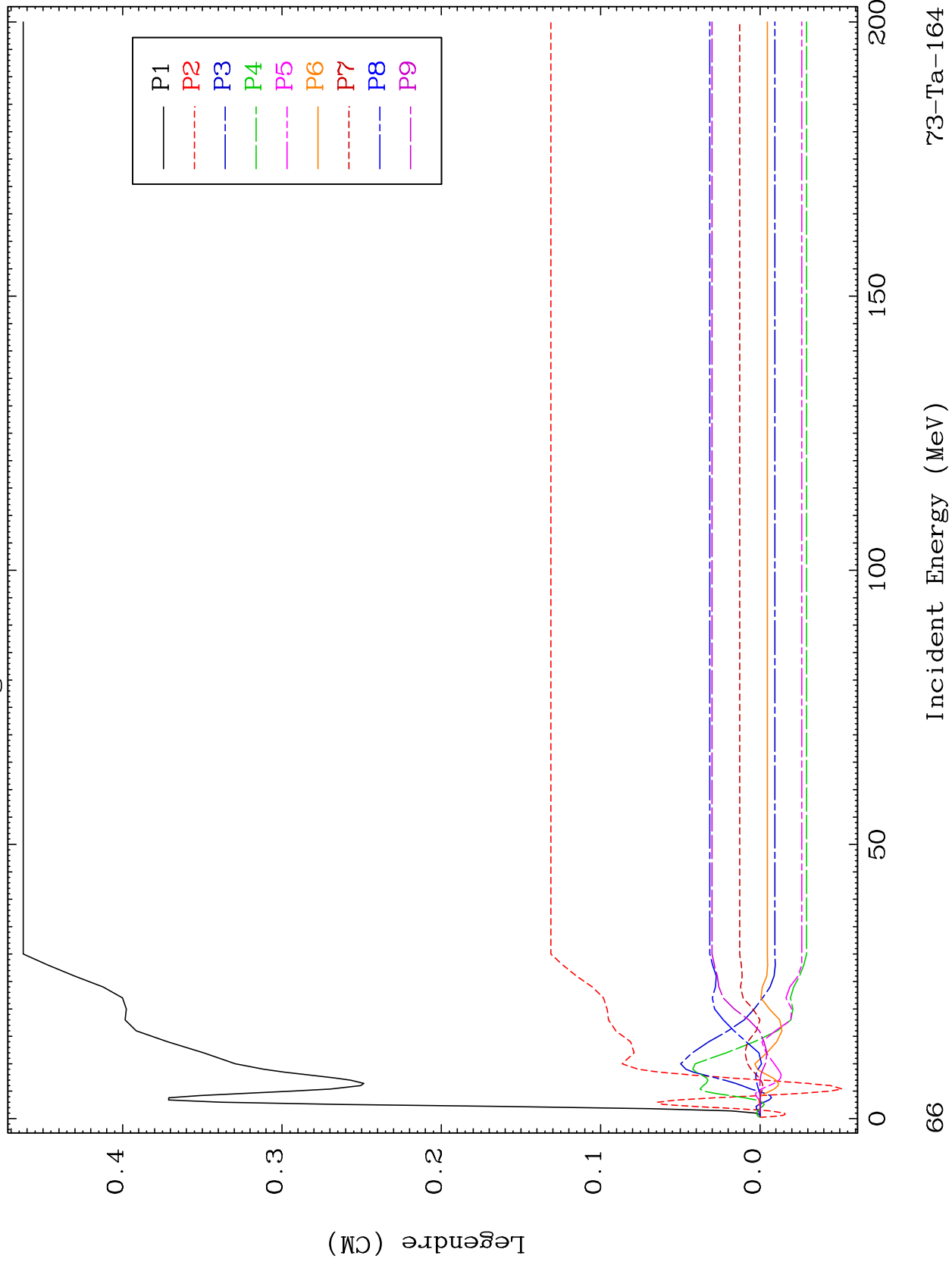
73-Ta-164



MAT 7277

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

73-Ta-164



66

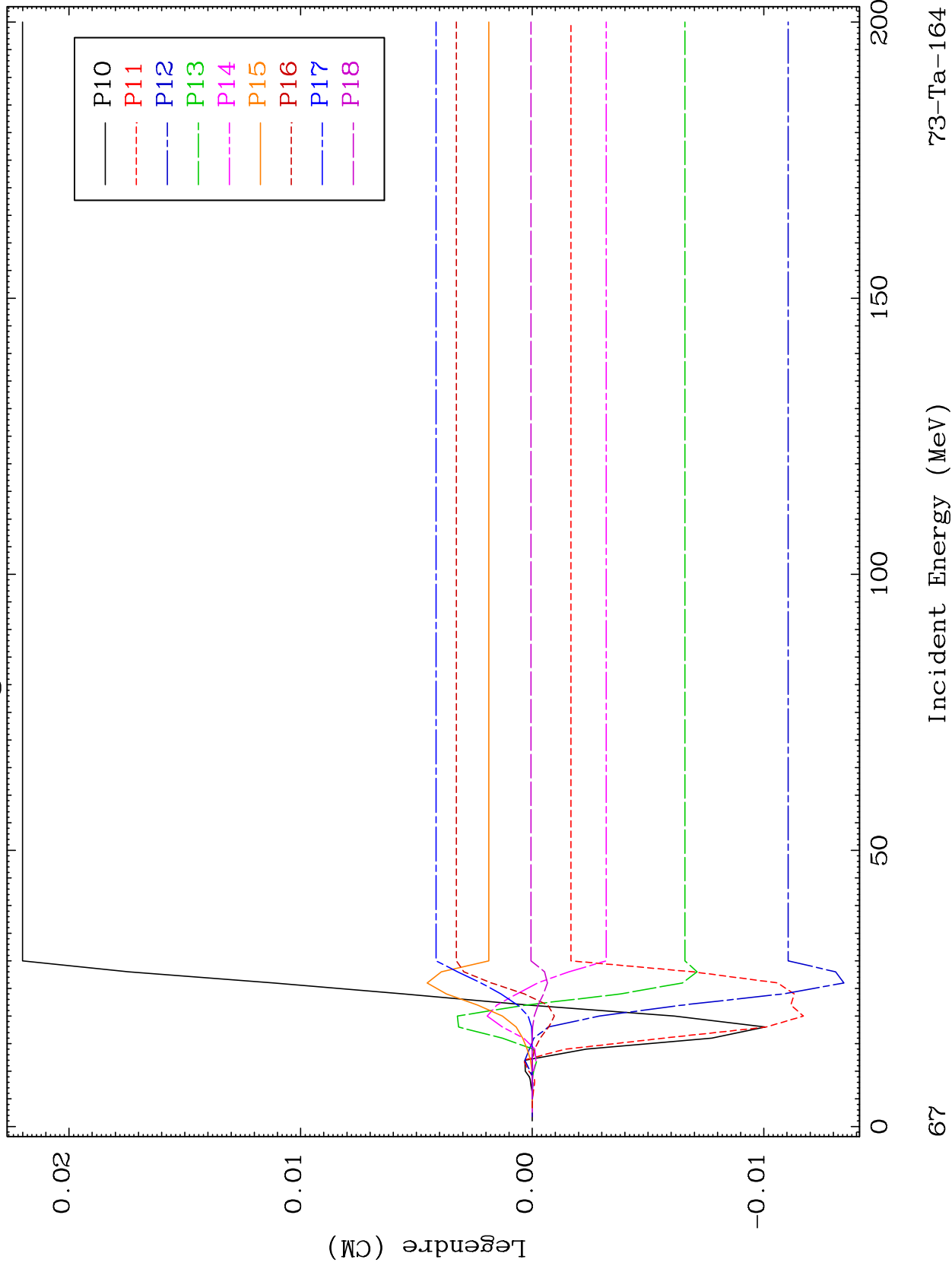
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

73-Ta-164



73-Ta-164

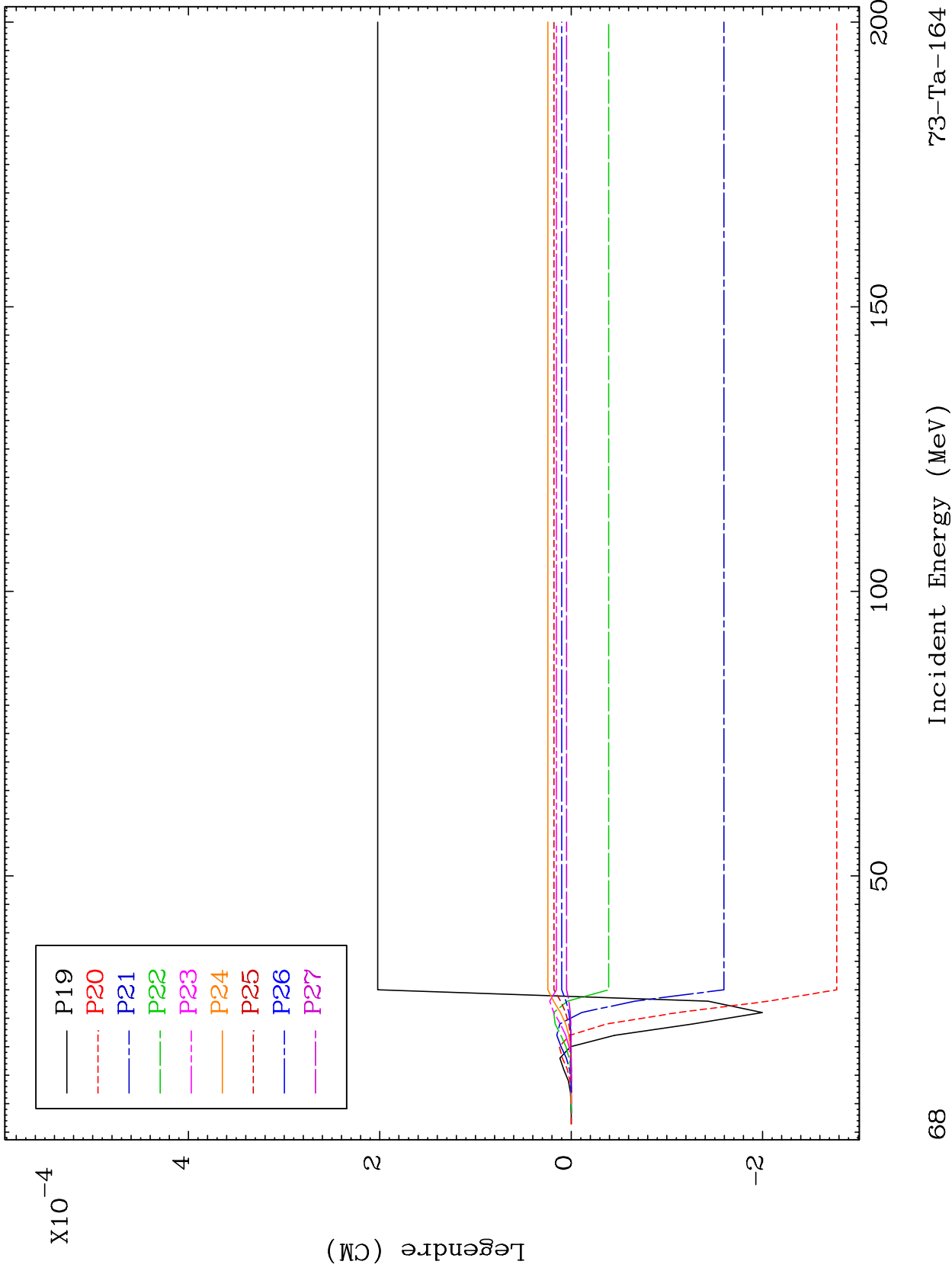
Incident Energy (MeV)

67

MAT 7277

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

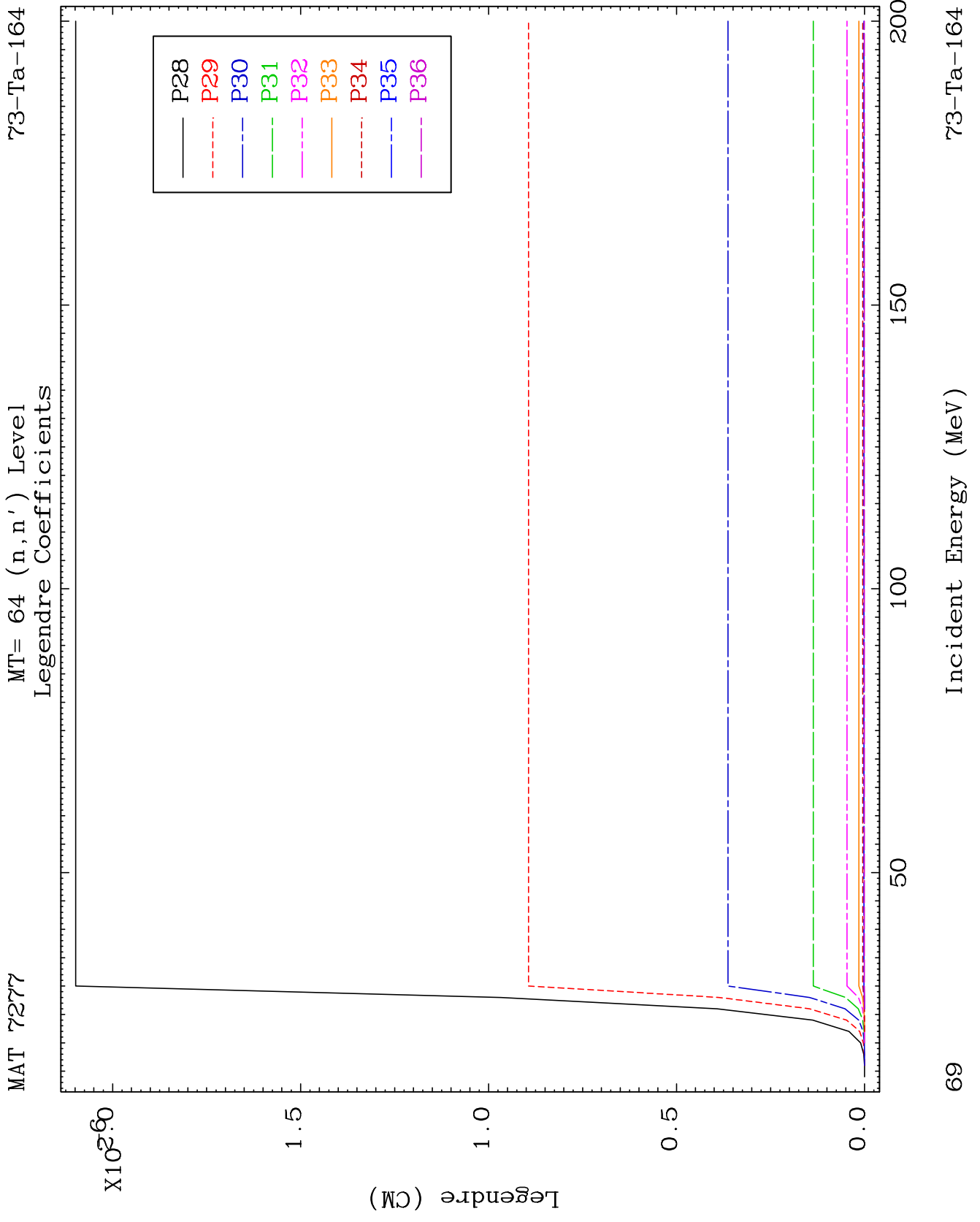
73-Ta-164

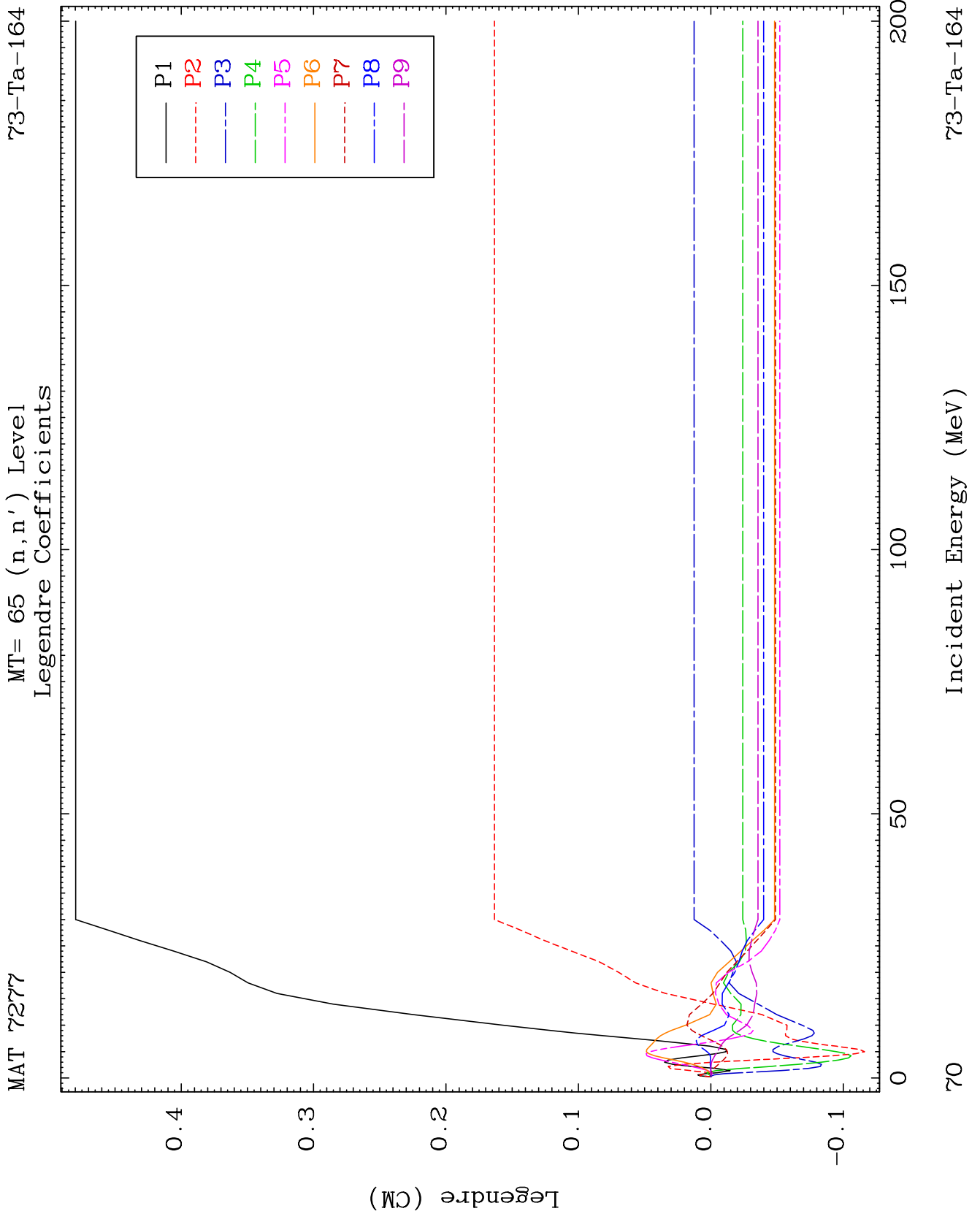


68

Incident Energy (MeV)

73-Ta-164

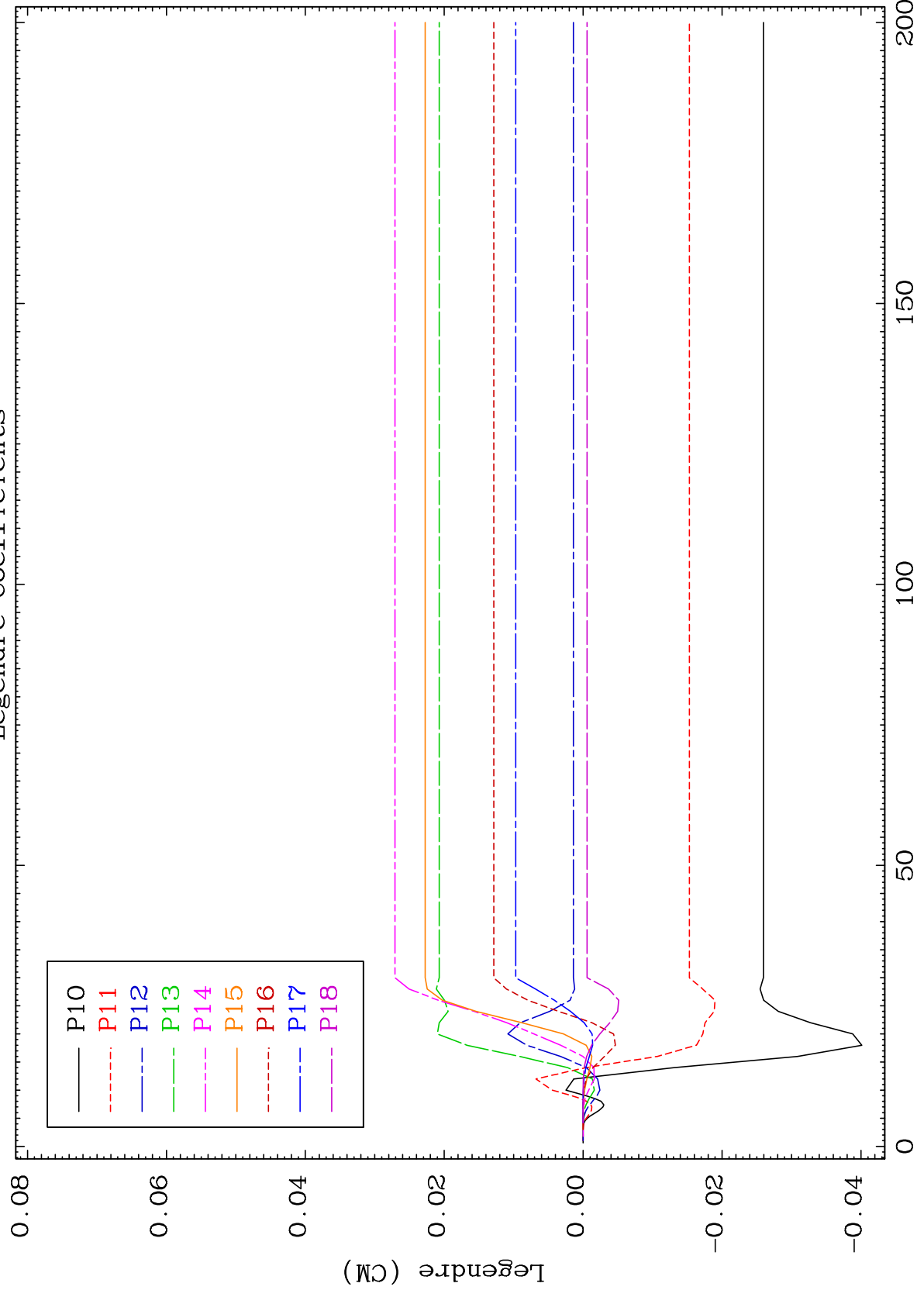




MAT 7277

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

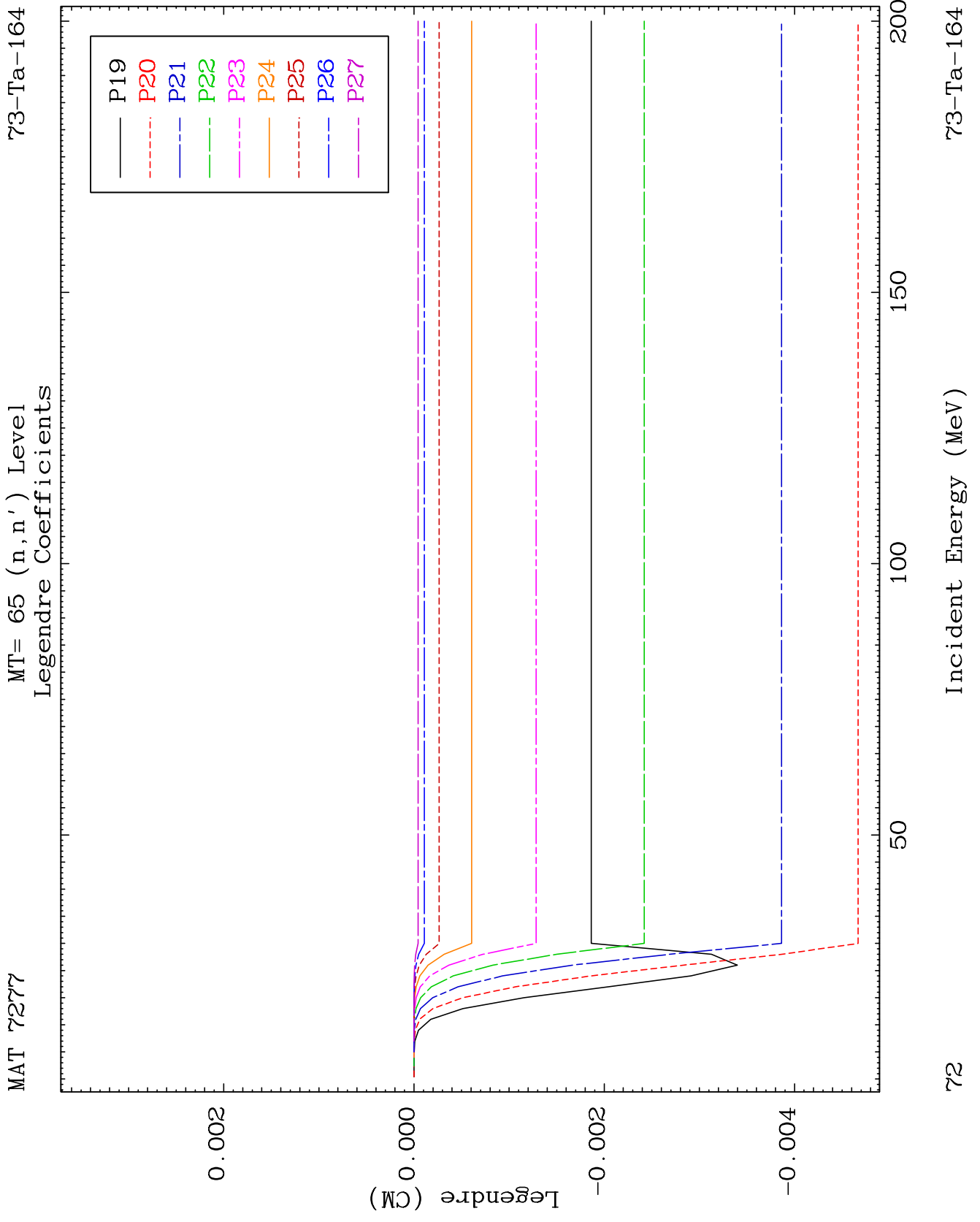
73-Ta-164



71

Incident Energy (MeV)

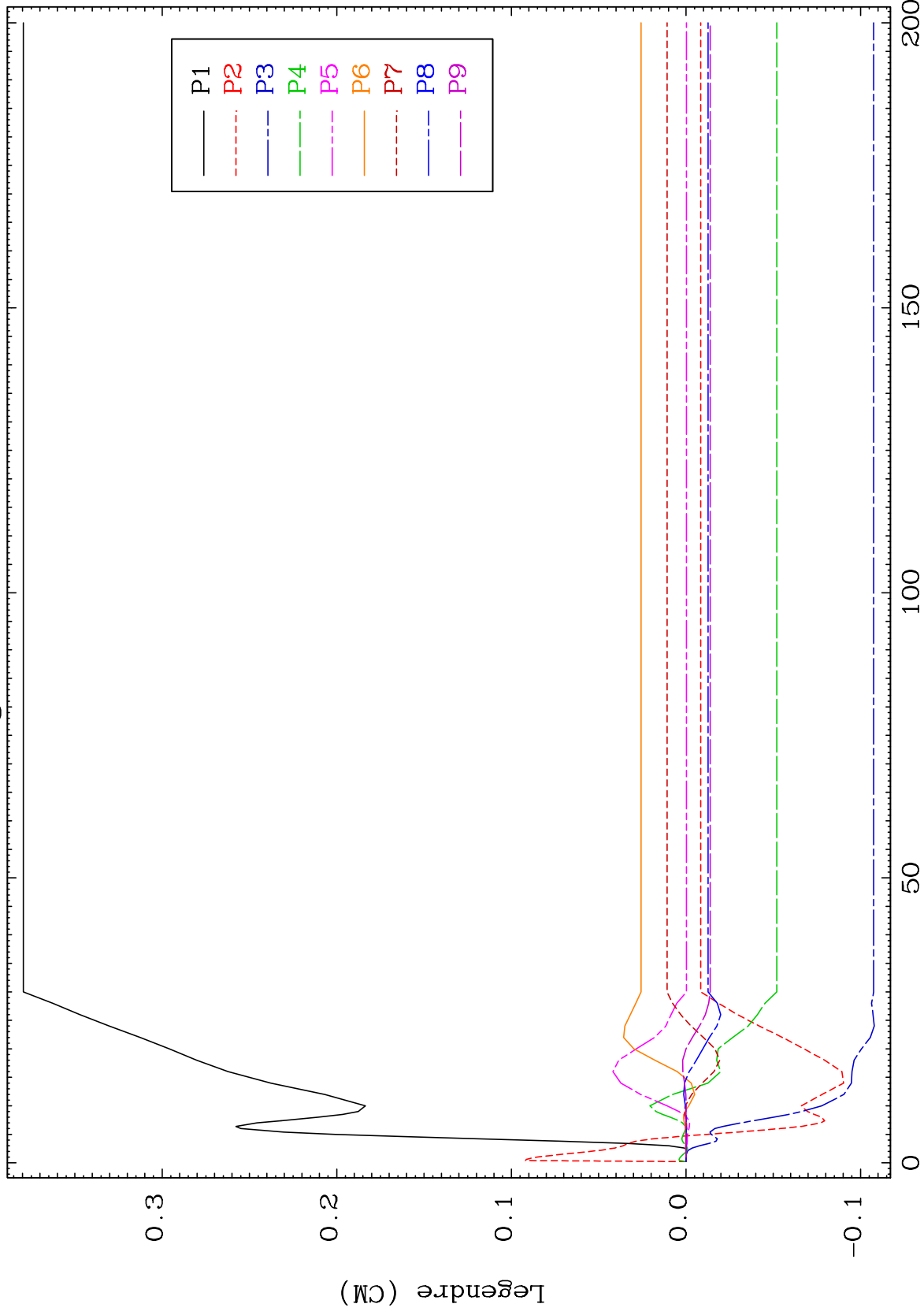
73-Ta-164



MAT 7277

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

73-Ta-164



74

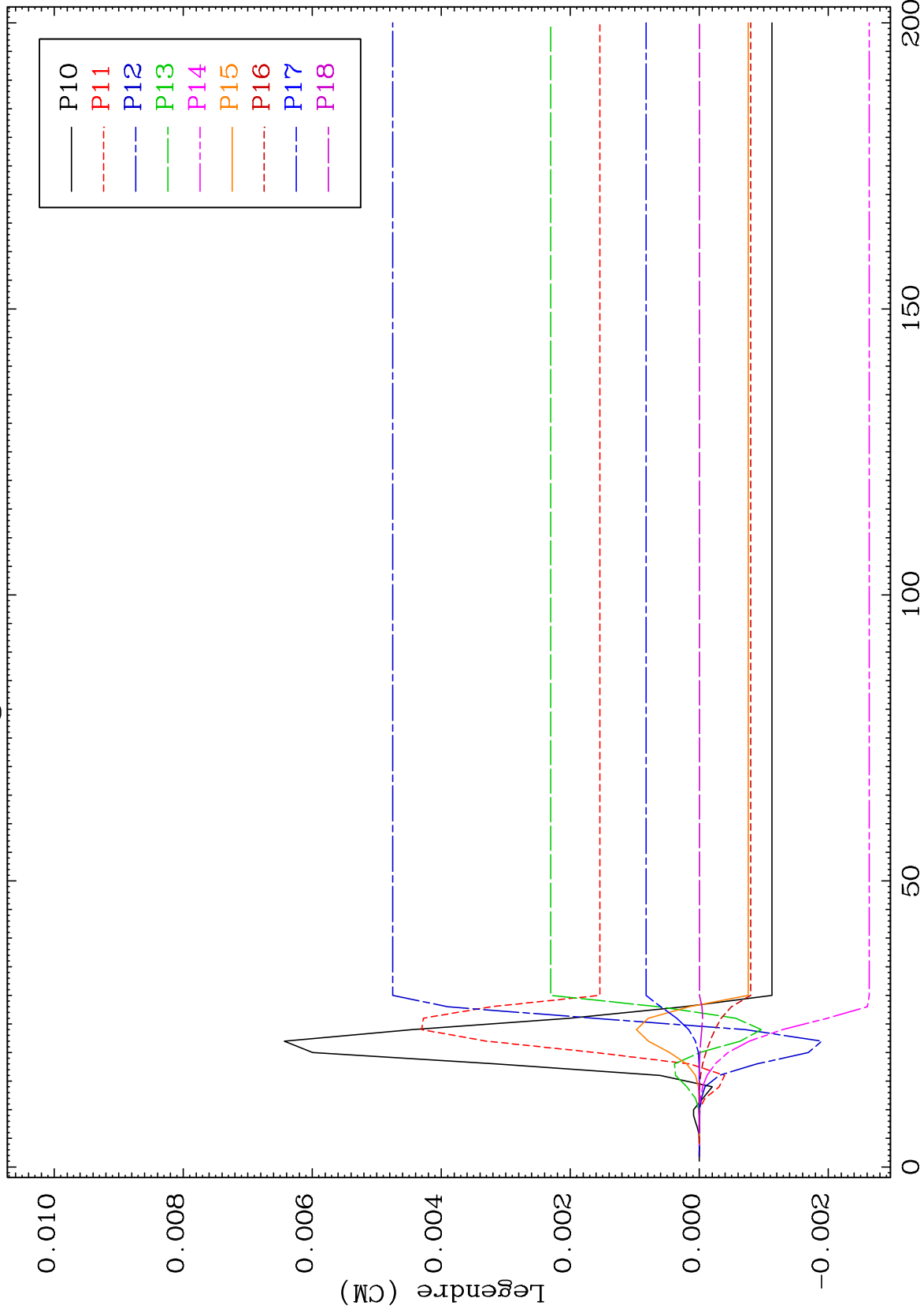
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

73-Ta-164



75

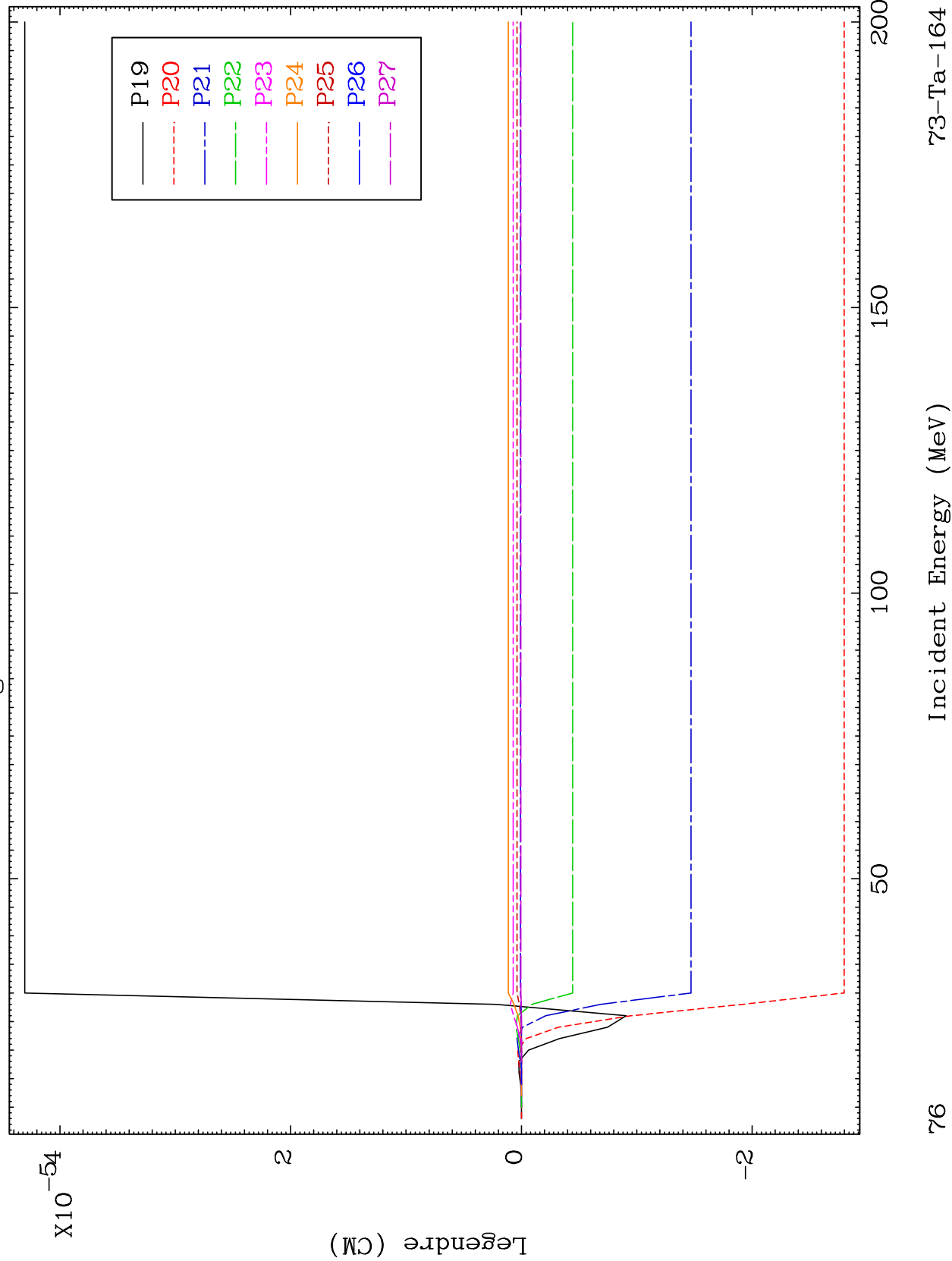
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

73-Ta-164



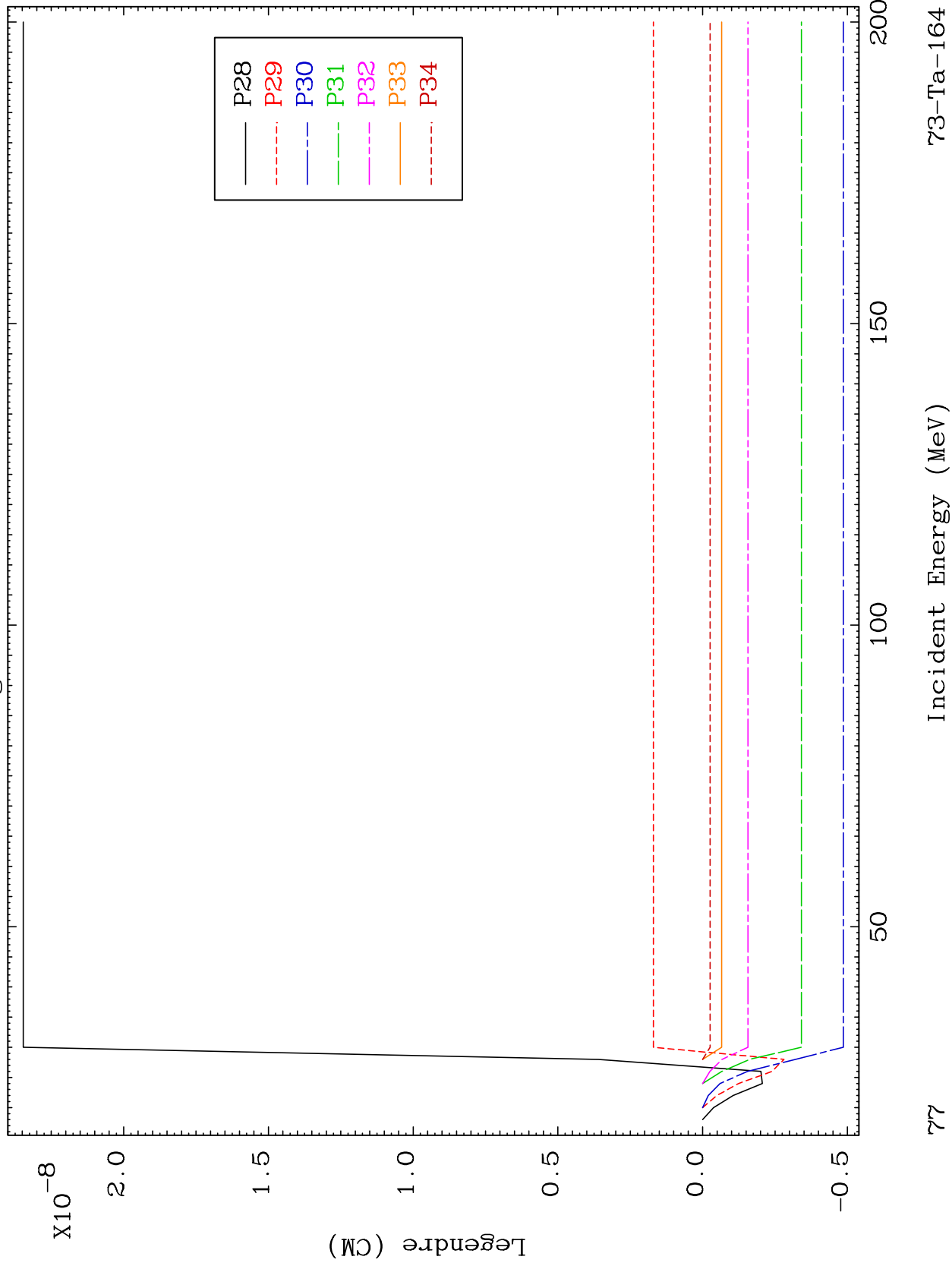
76

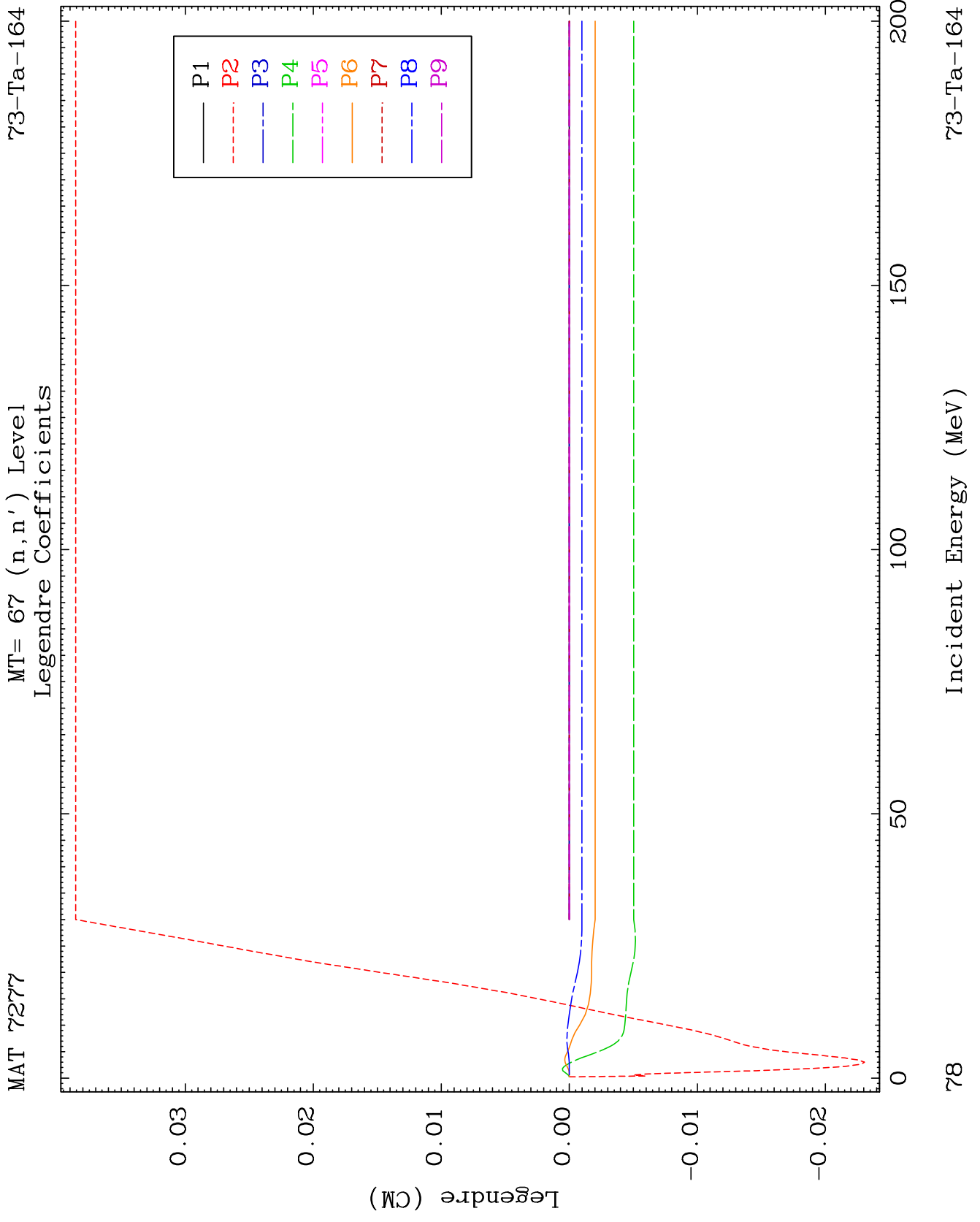
73-Ta-164

MAT 7277

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

73-Ta-164

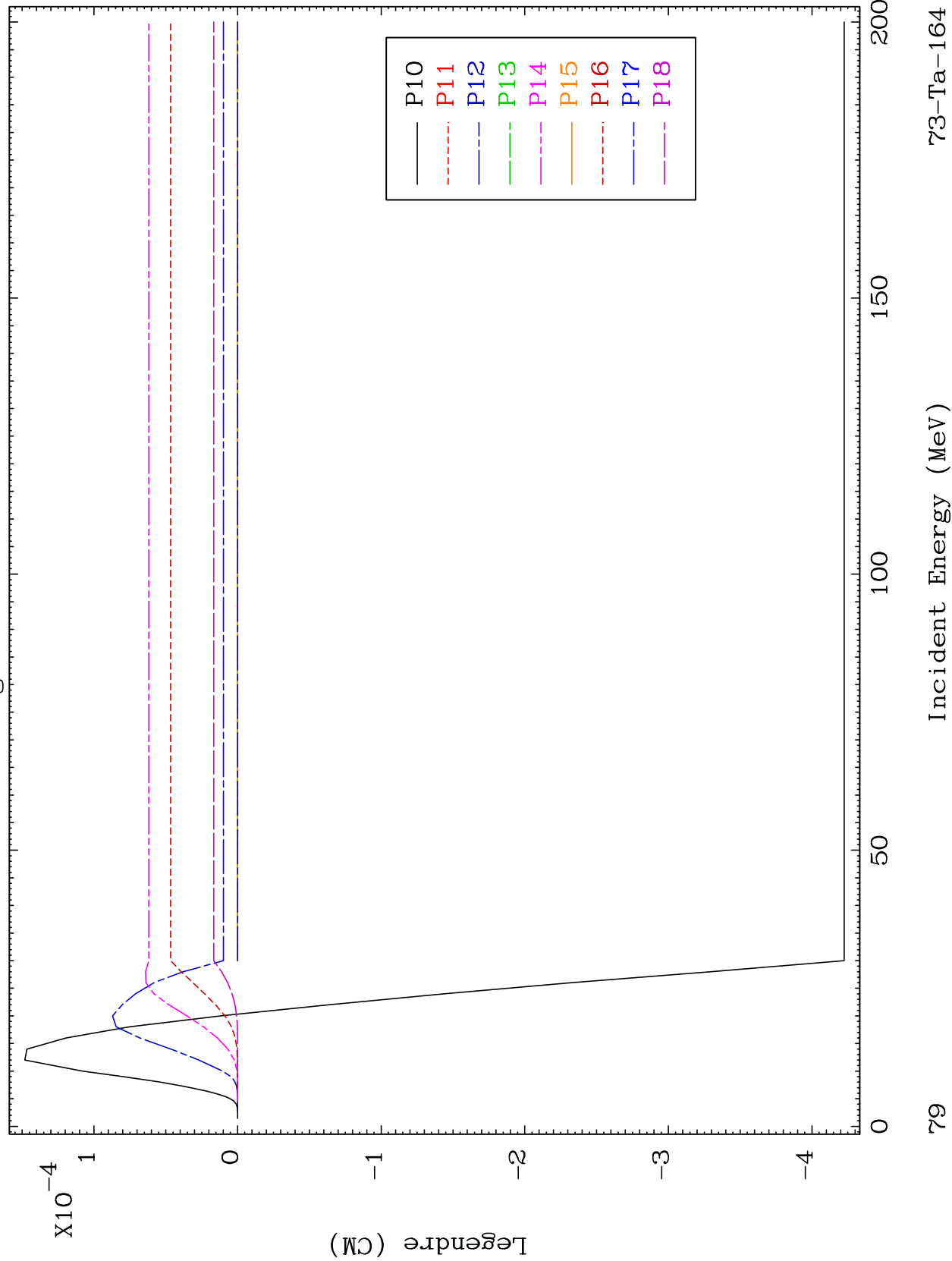




MAT 7277

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

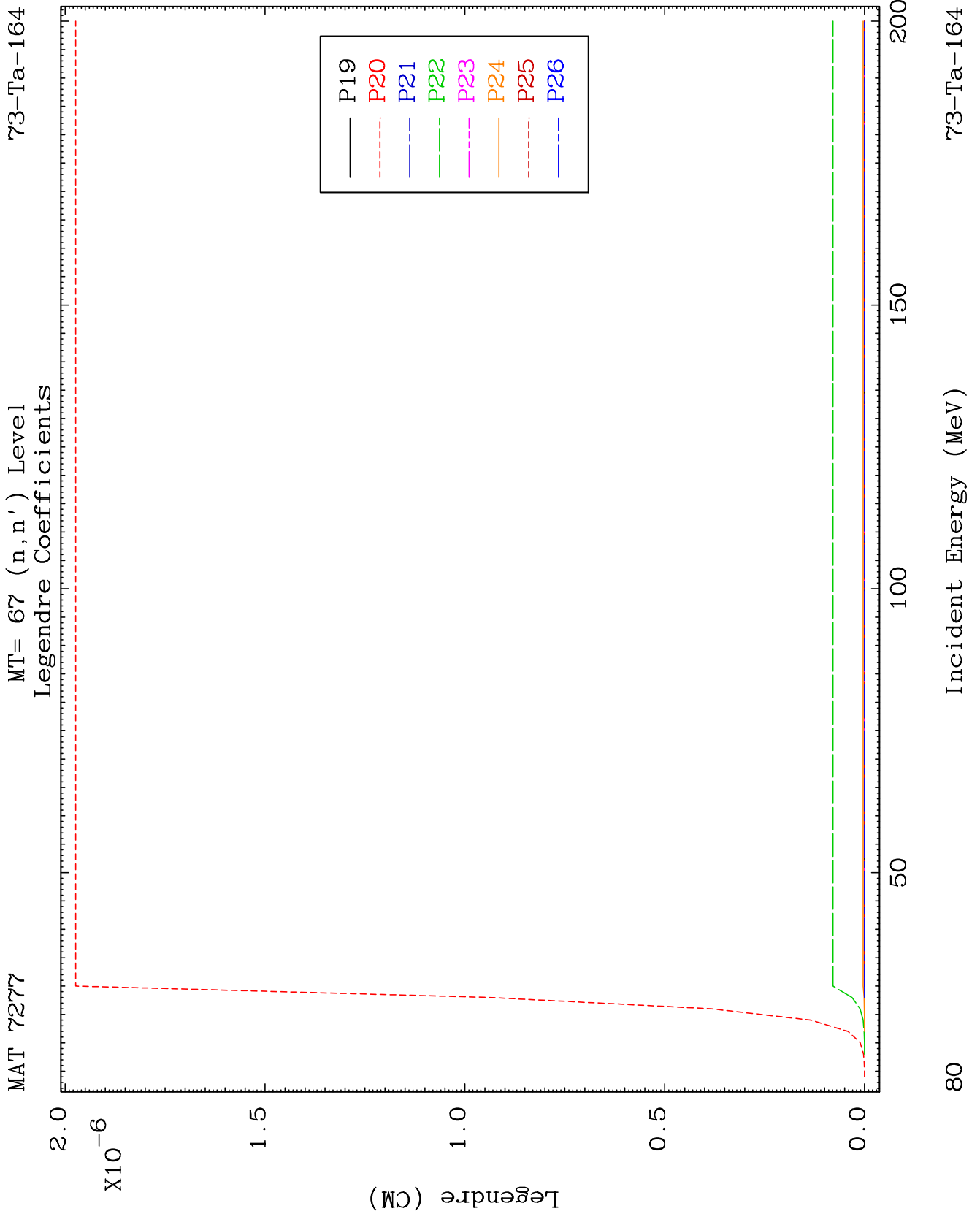
73-Ta-164



79

Incident Energy (MeV)

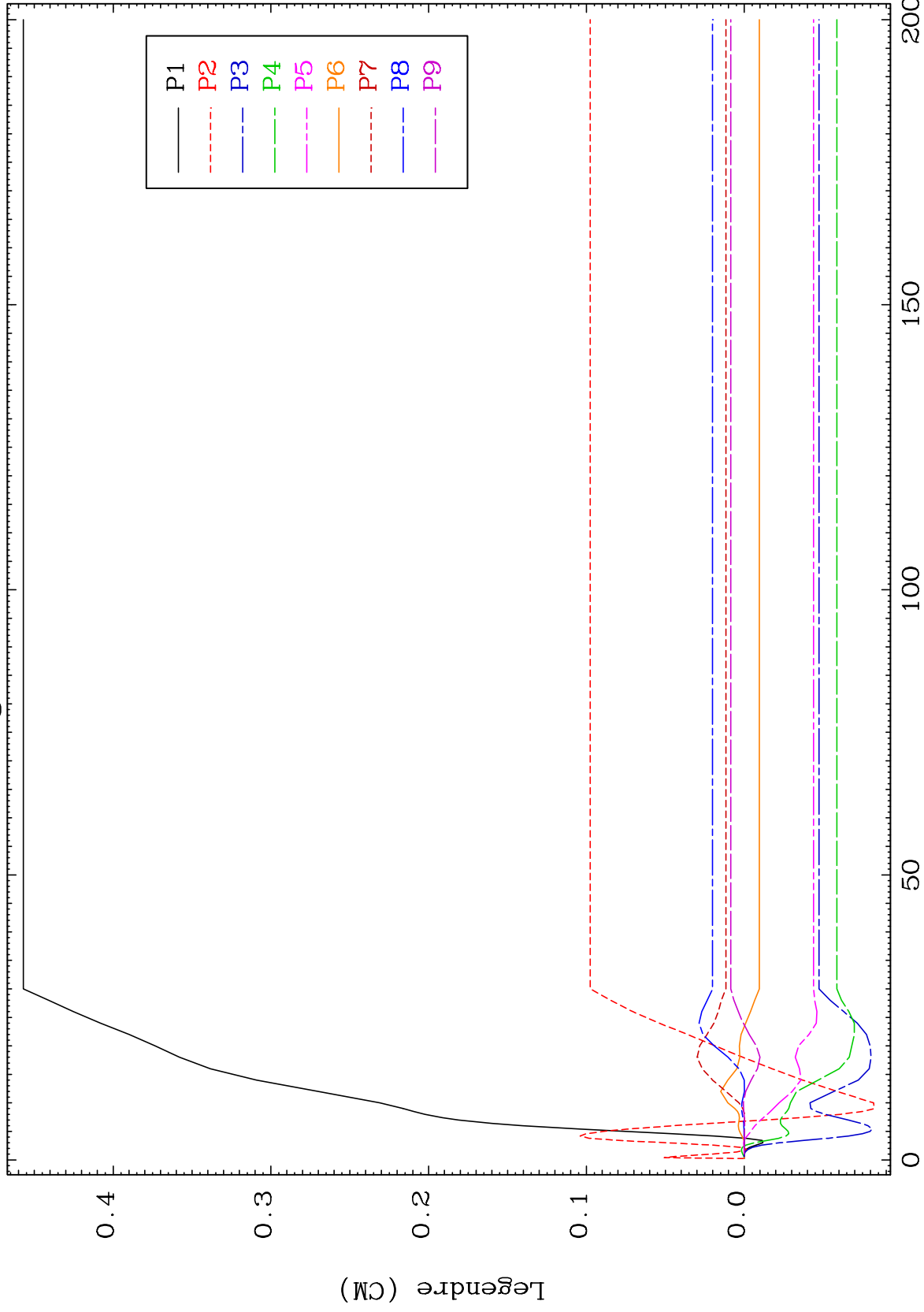
73-Ta-164



MAT 7277

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

73-Ta-164



81

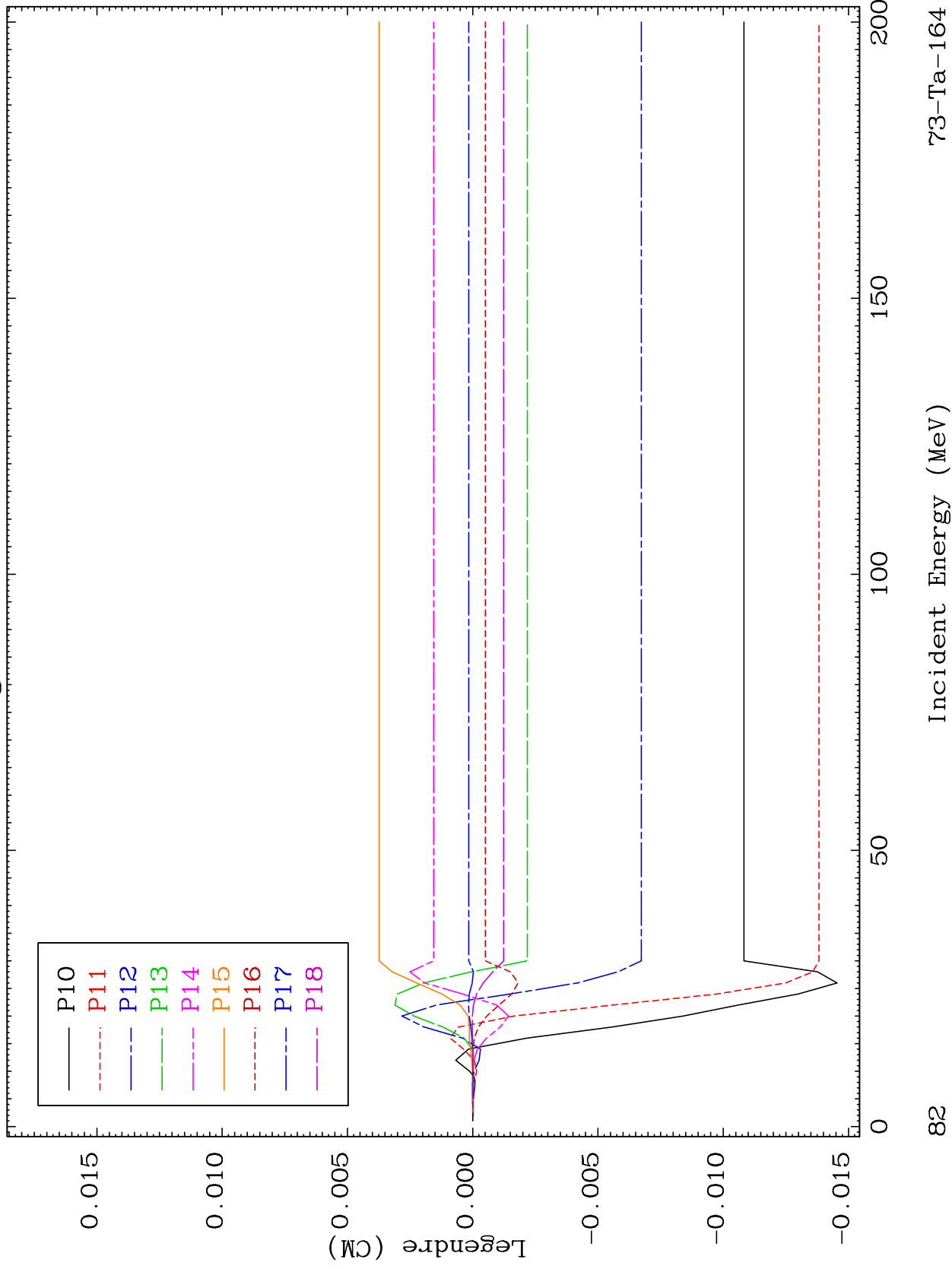
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

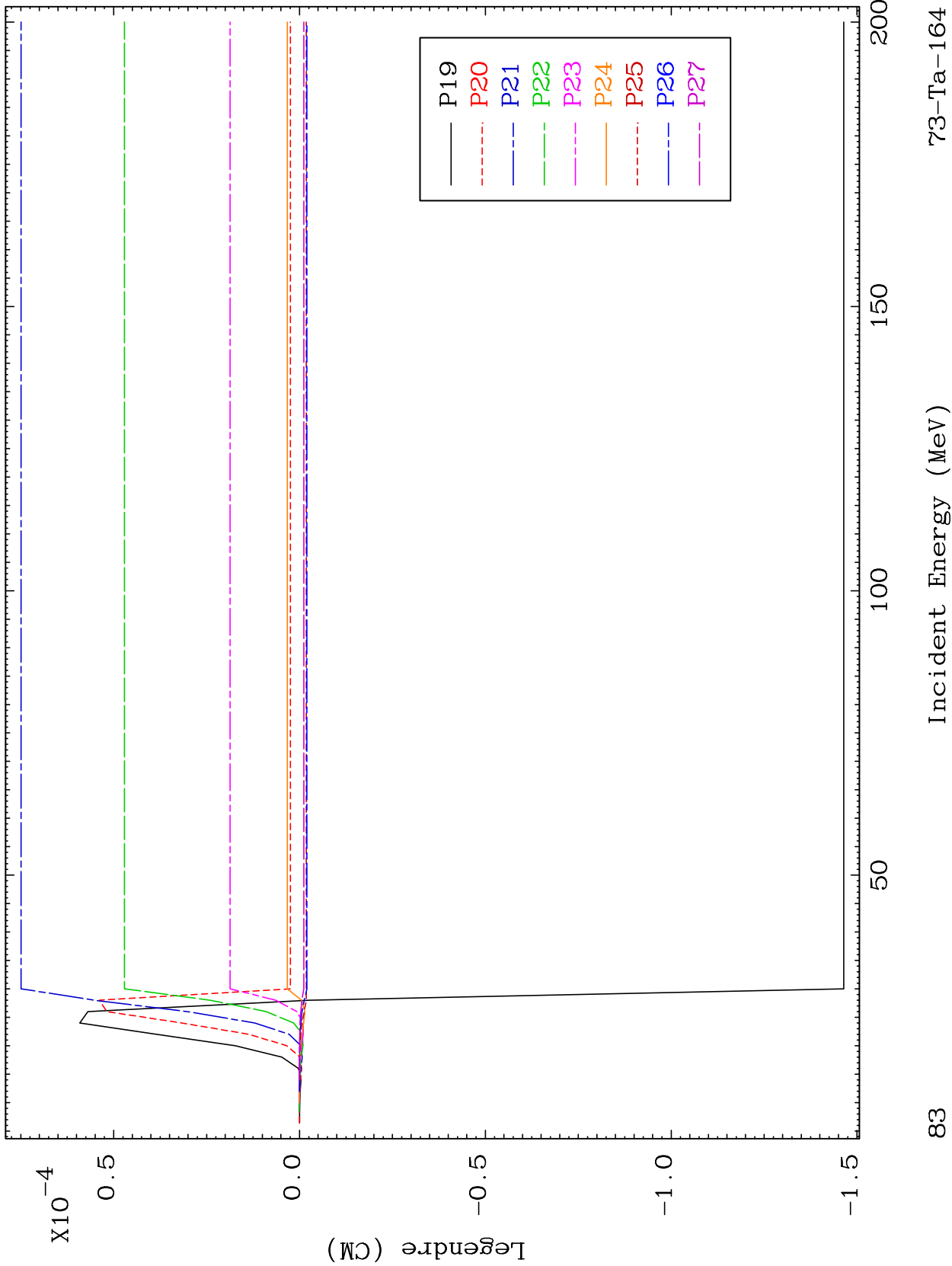
73-Ta-164

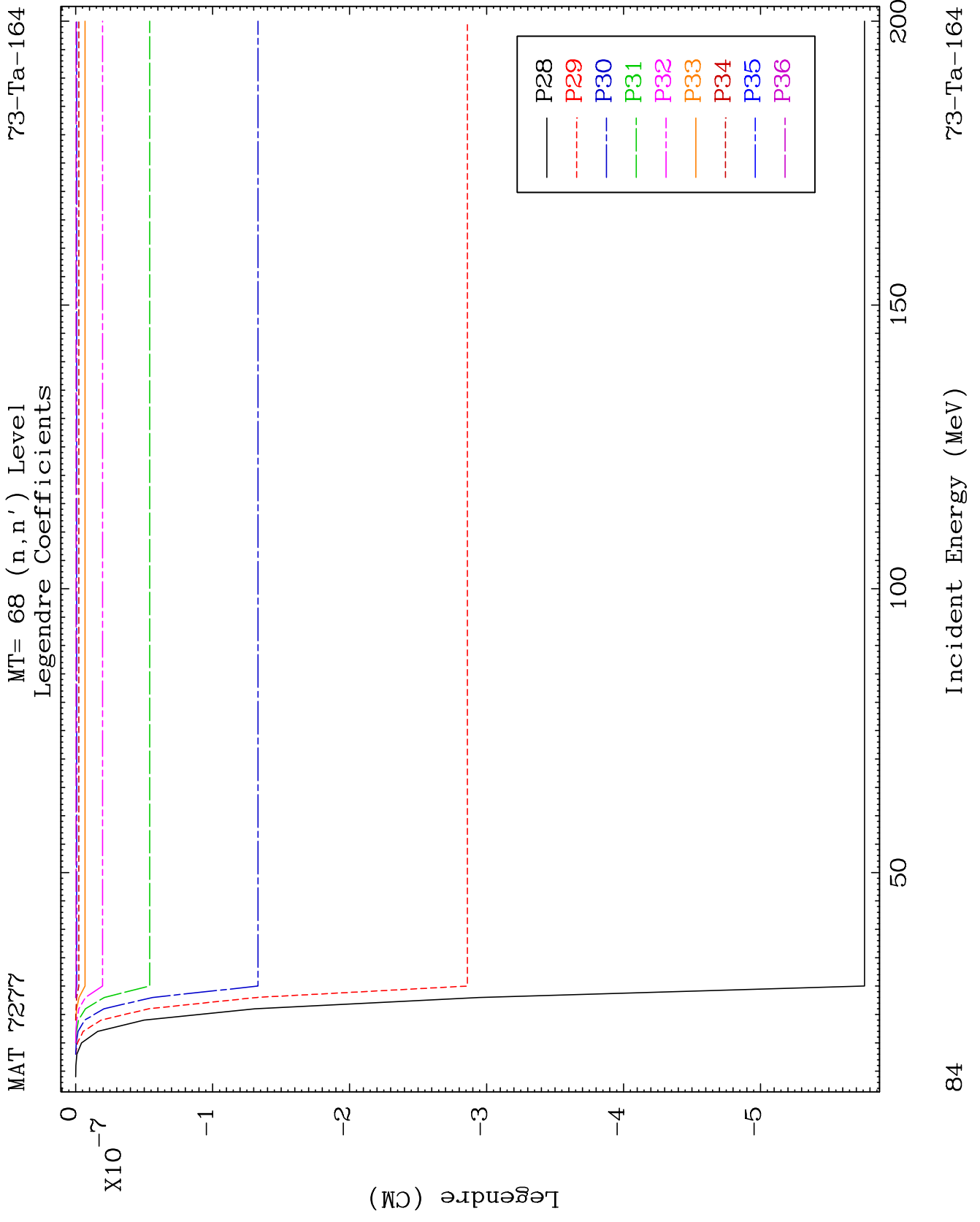


82

Incident Energy (MeV)

73-Ta-164

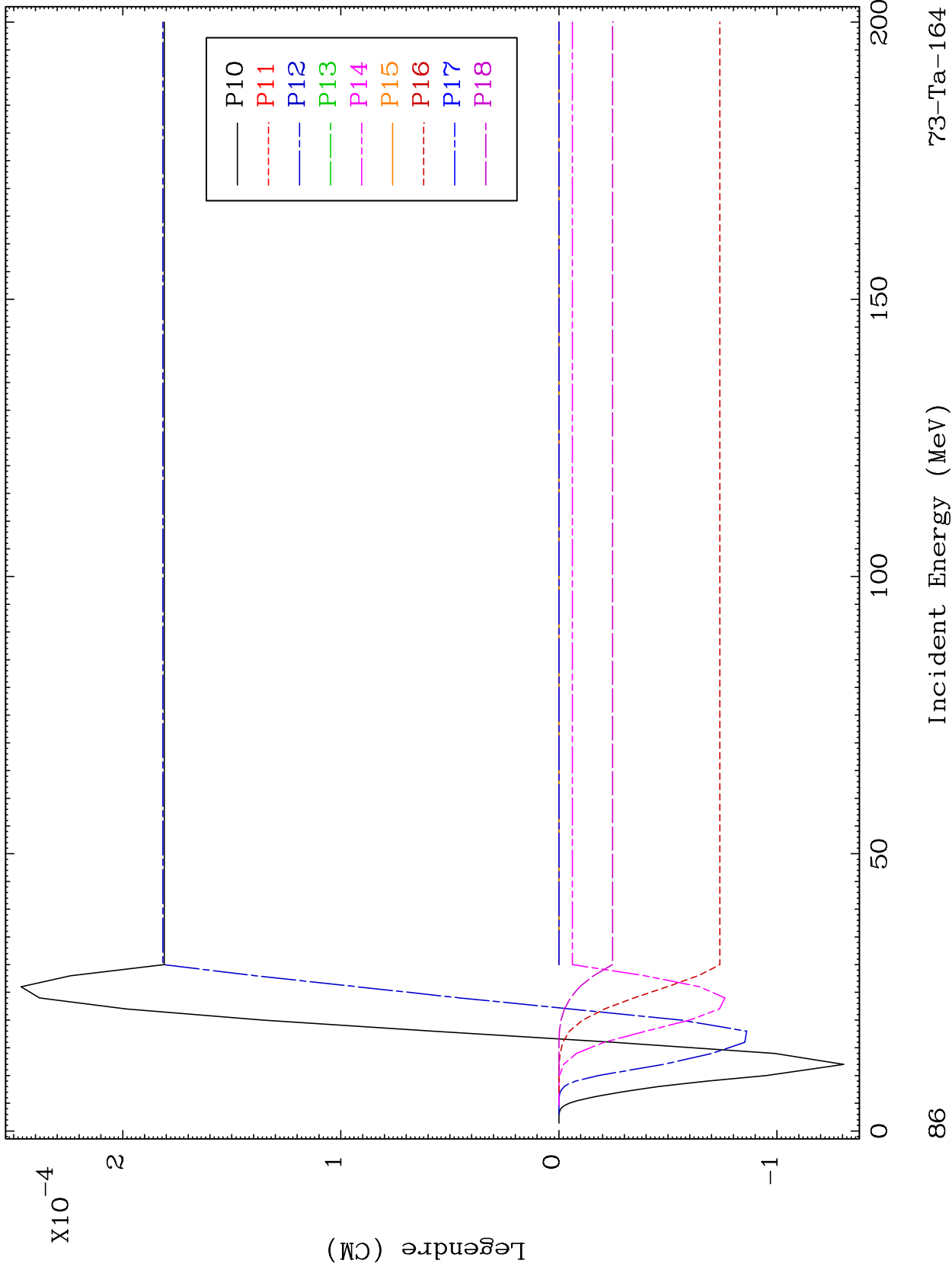


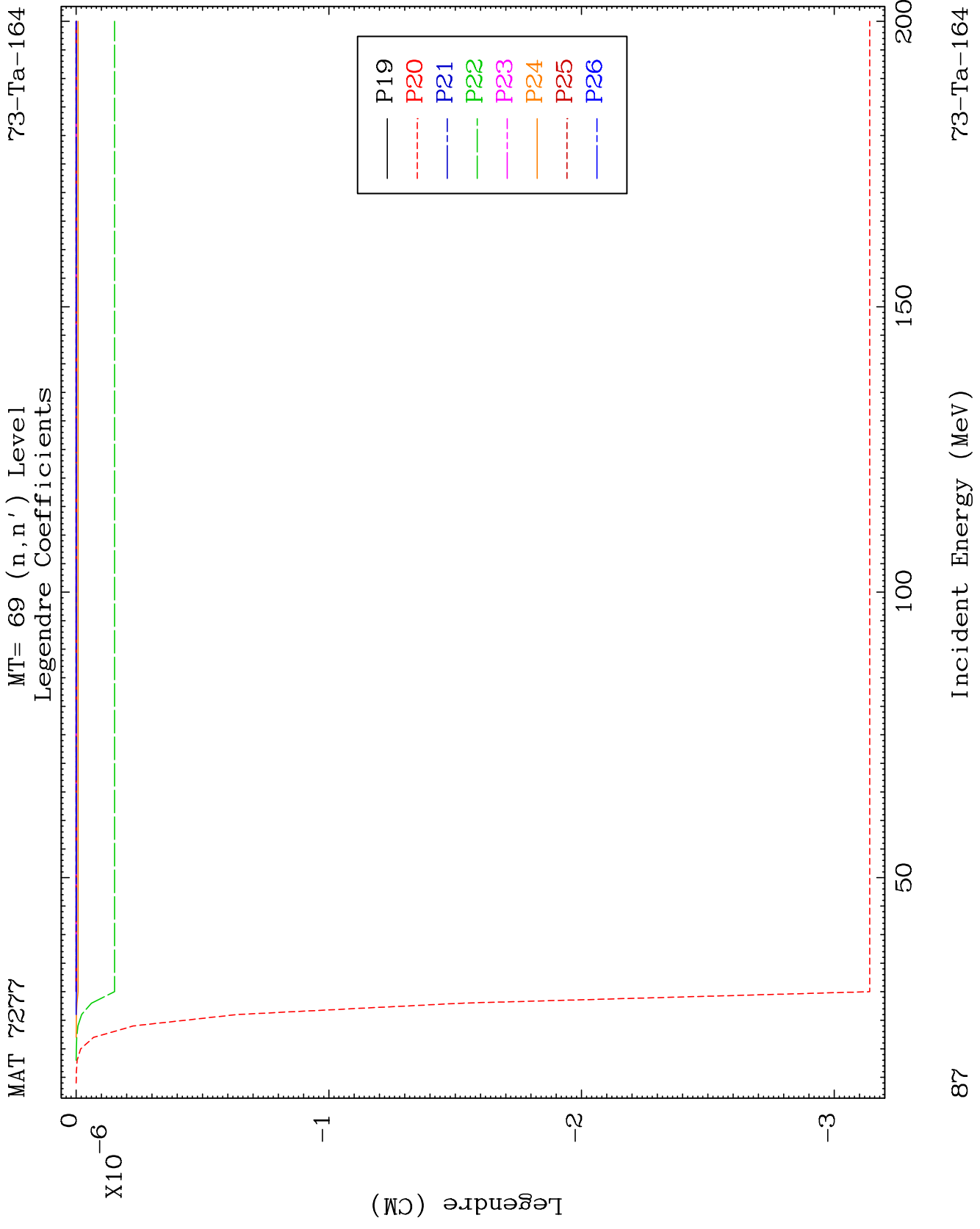


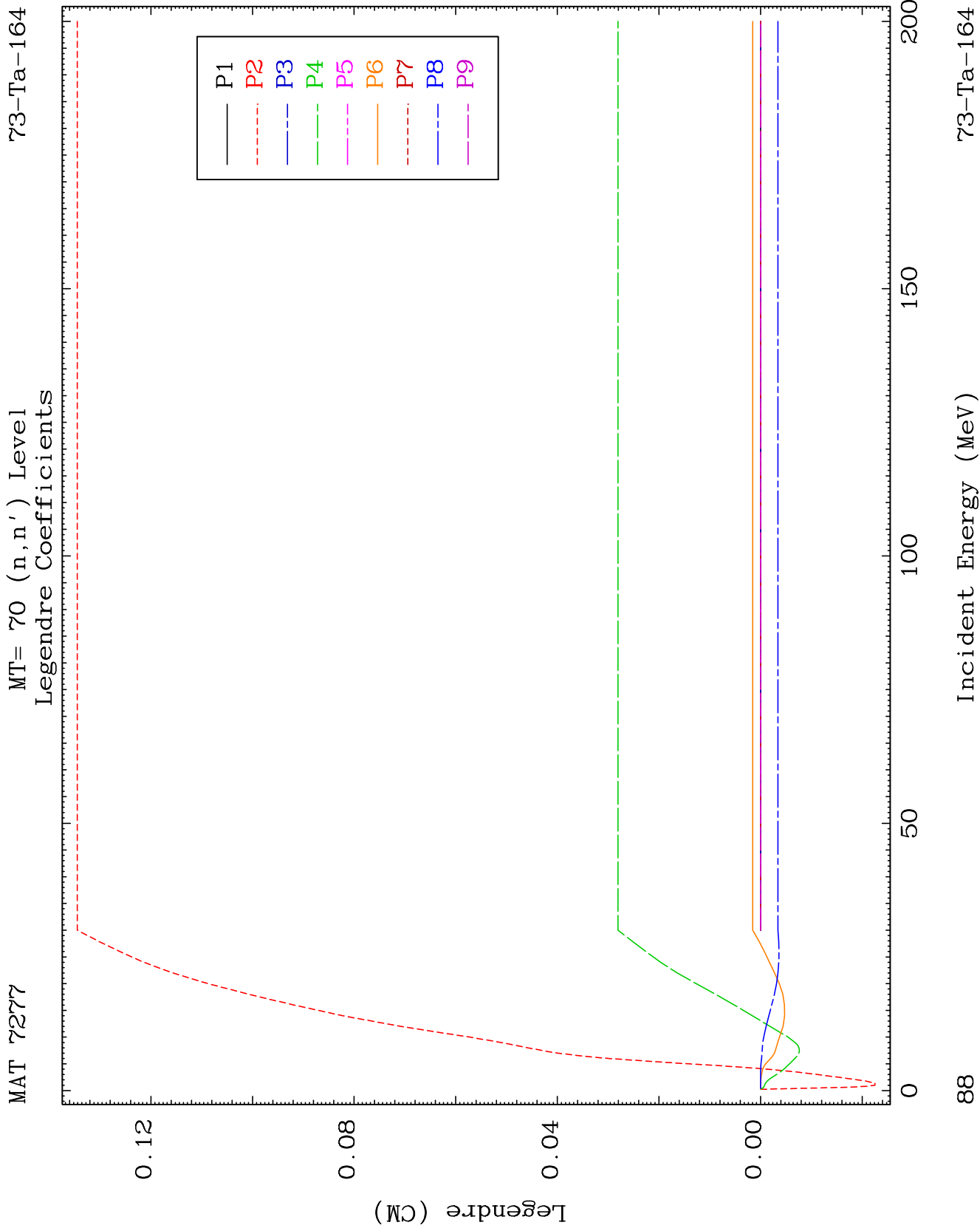
MAT 7277

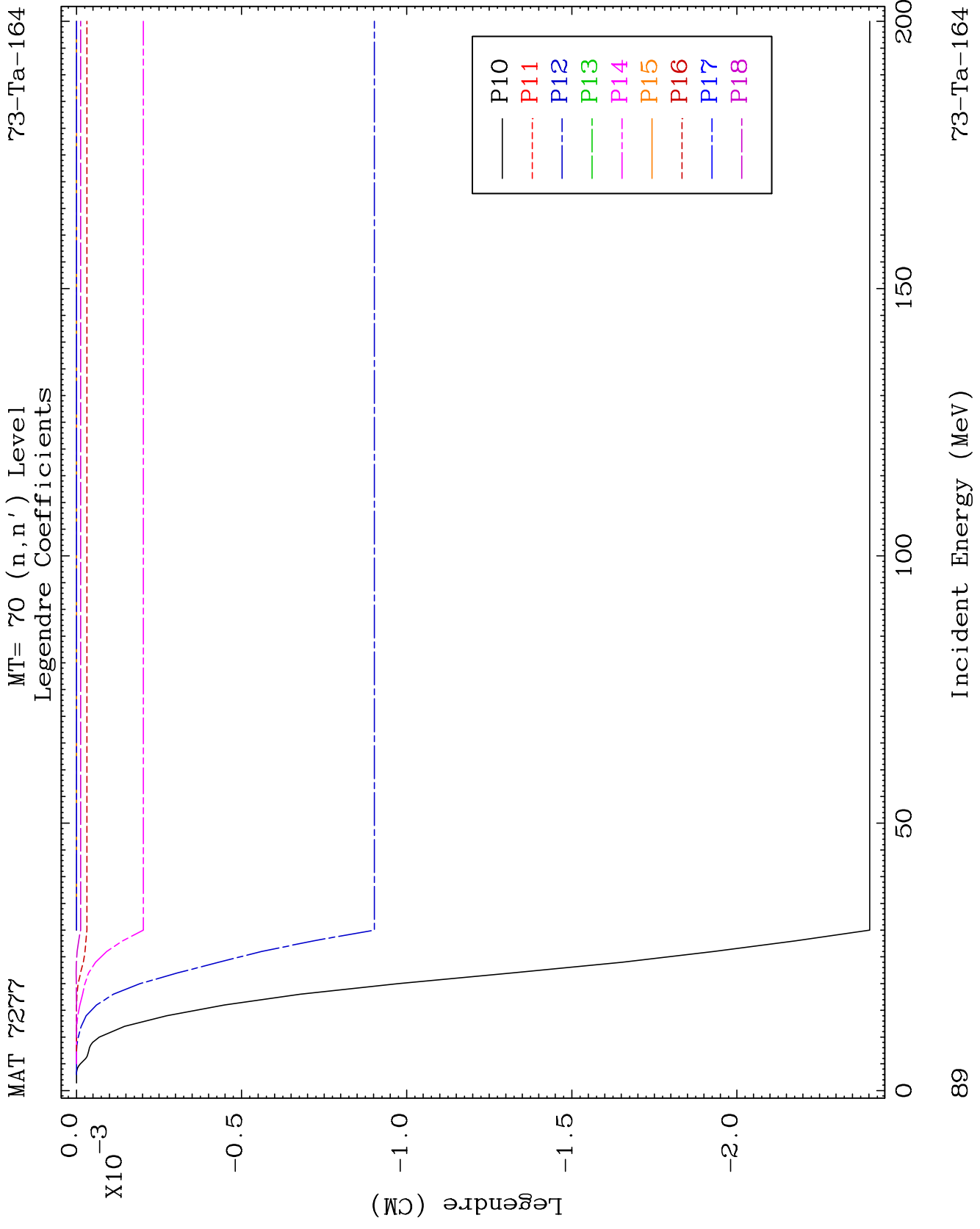
MT= 69 (n,n') Level
Legendre Coefficients

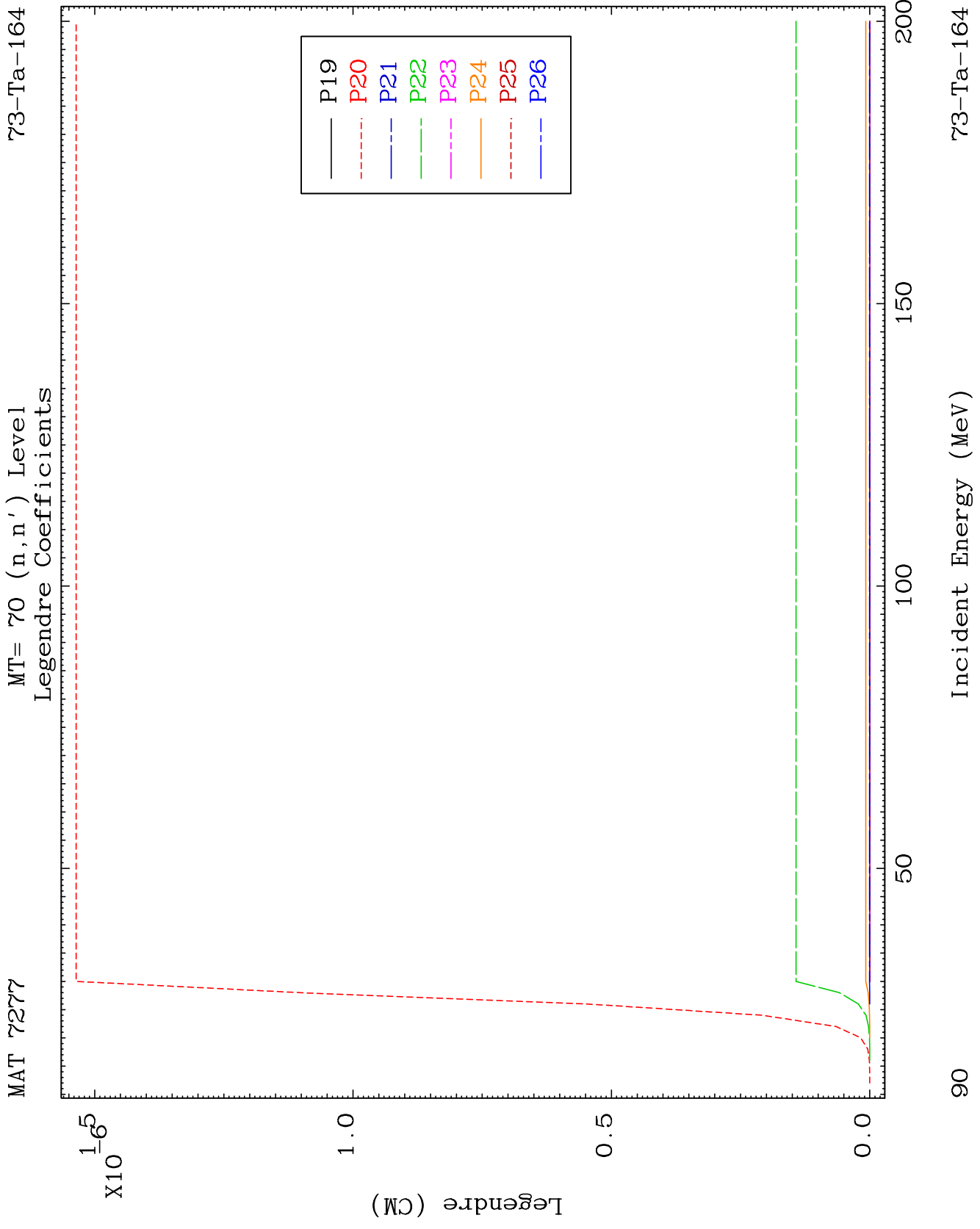
73-Ta-164

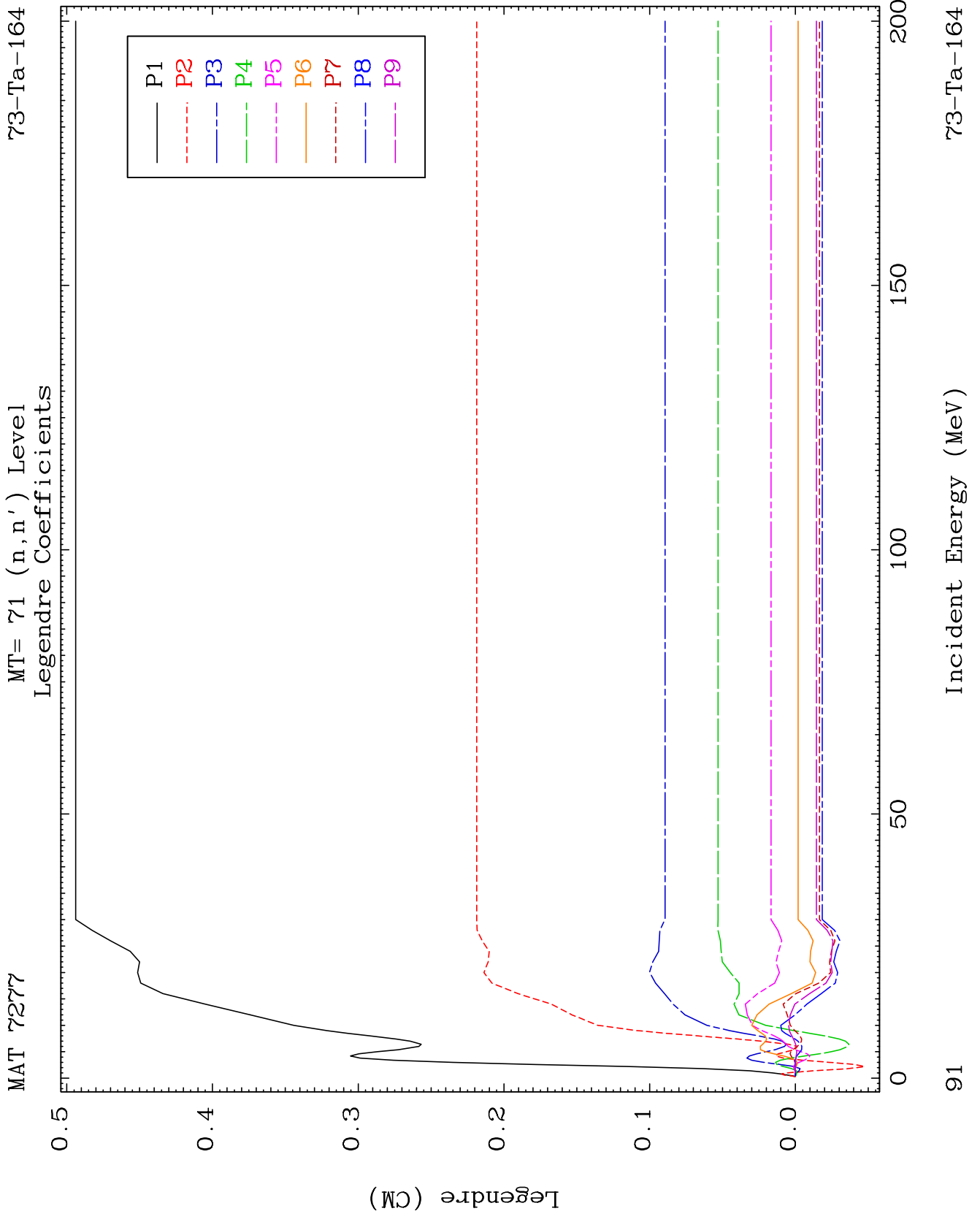








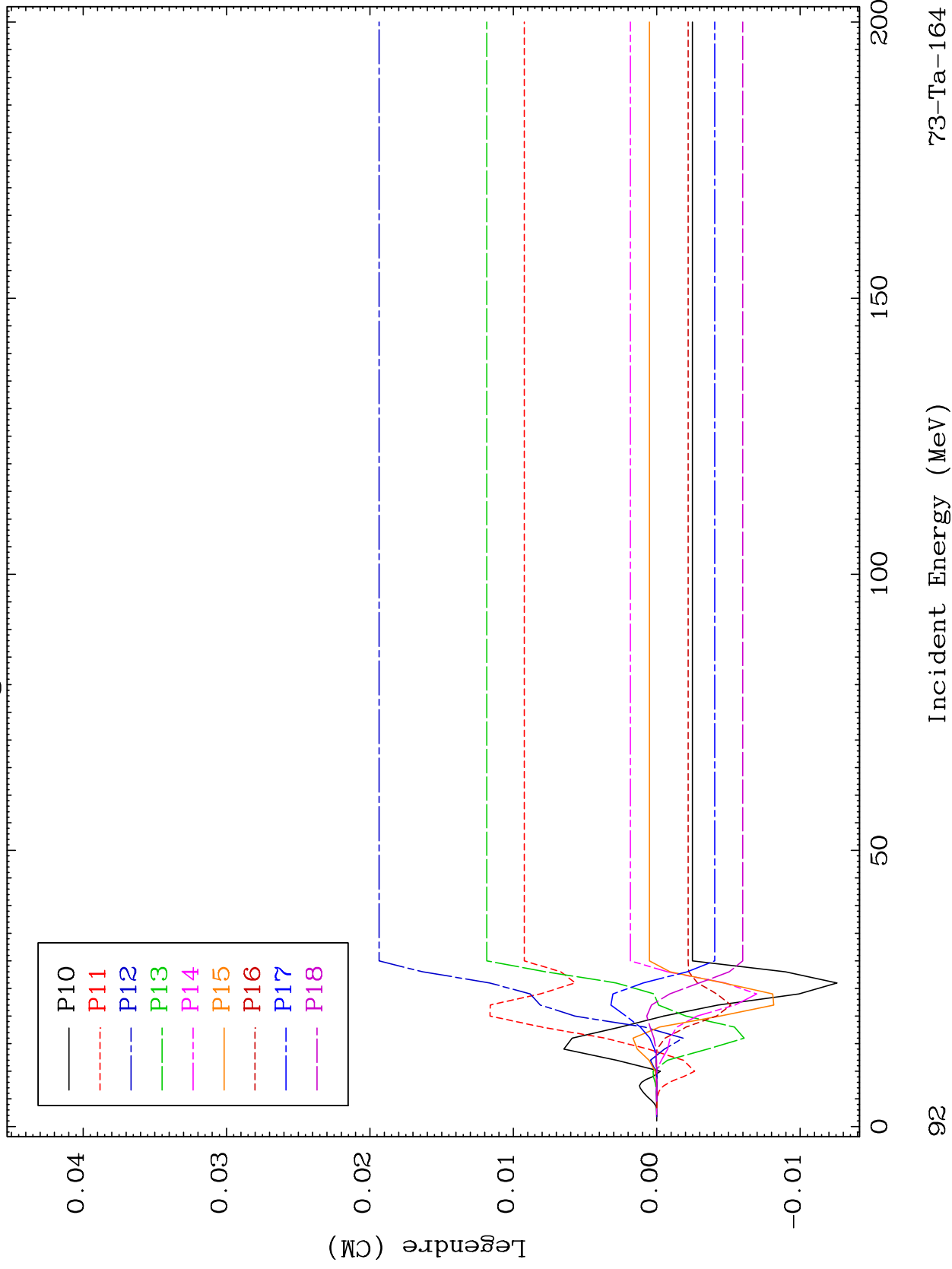




MAT 7277

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

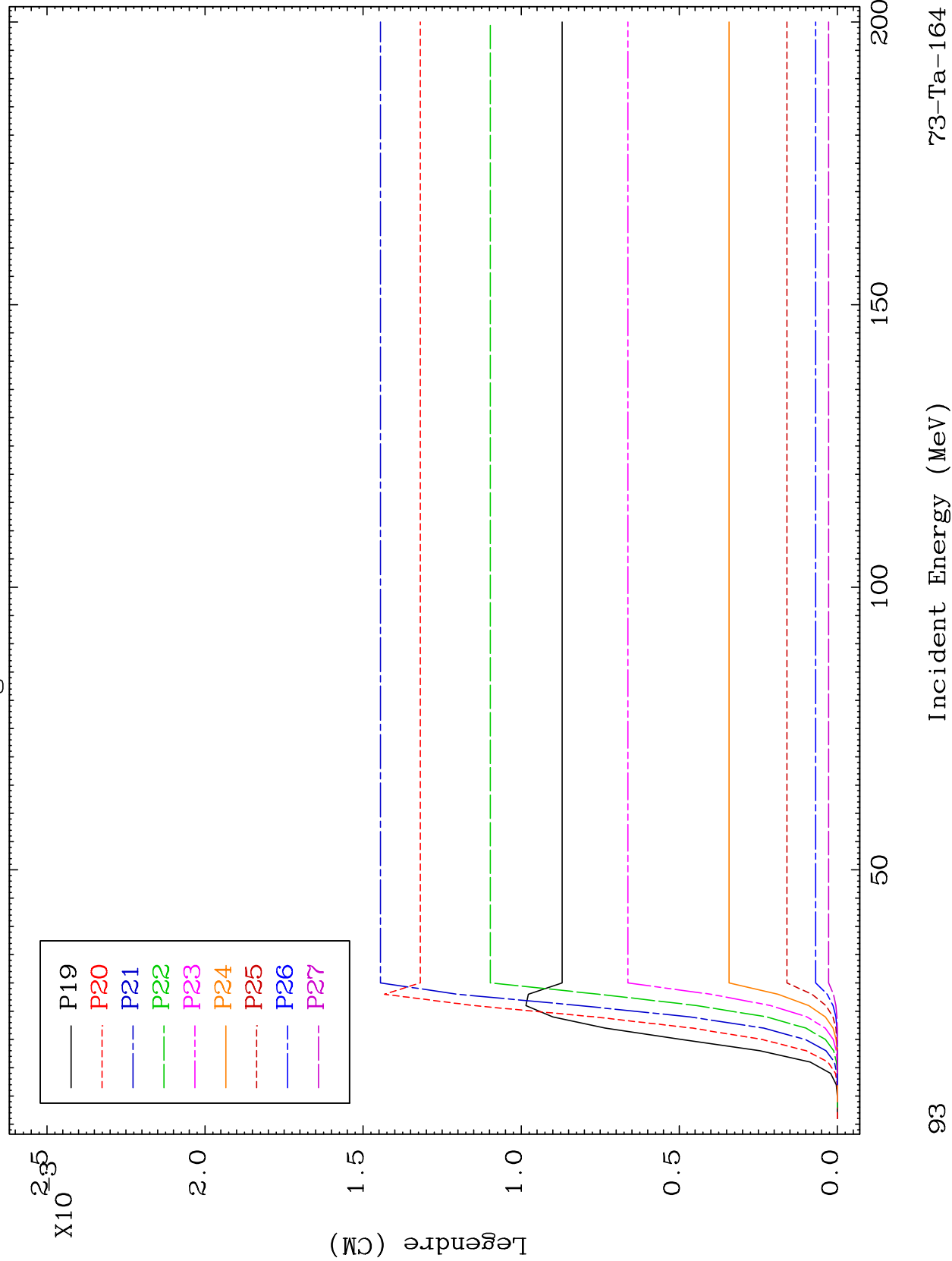
73-Ta-164



92

Incident Energy (MeV)

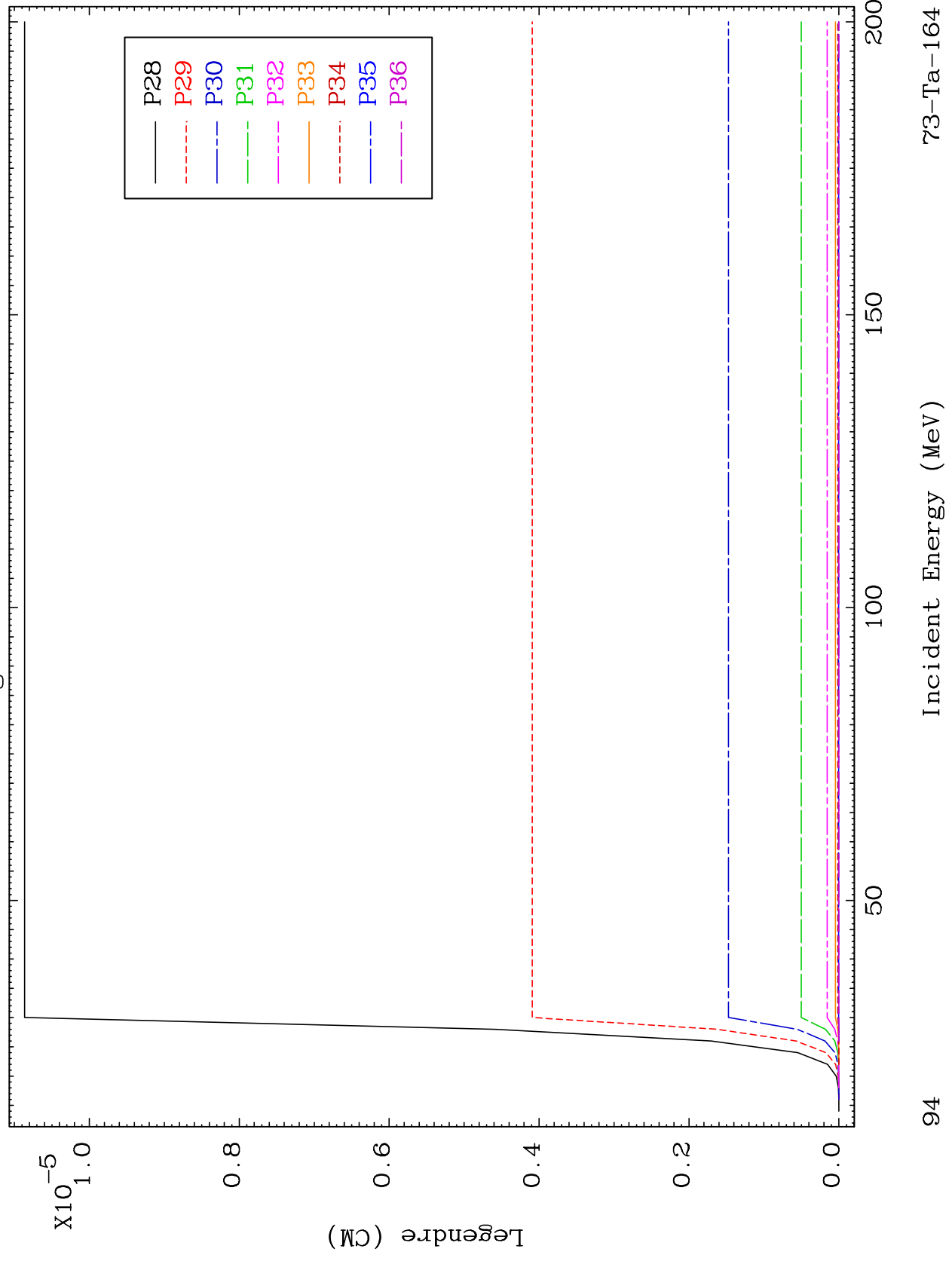
73-Ta-164



MAT 7277

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

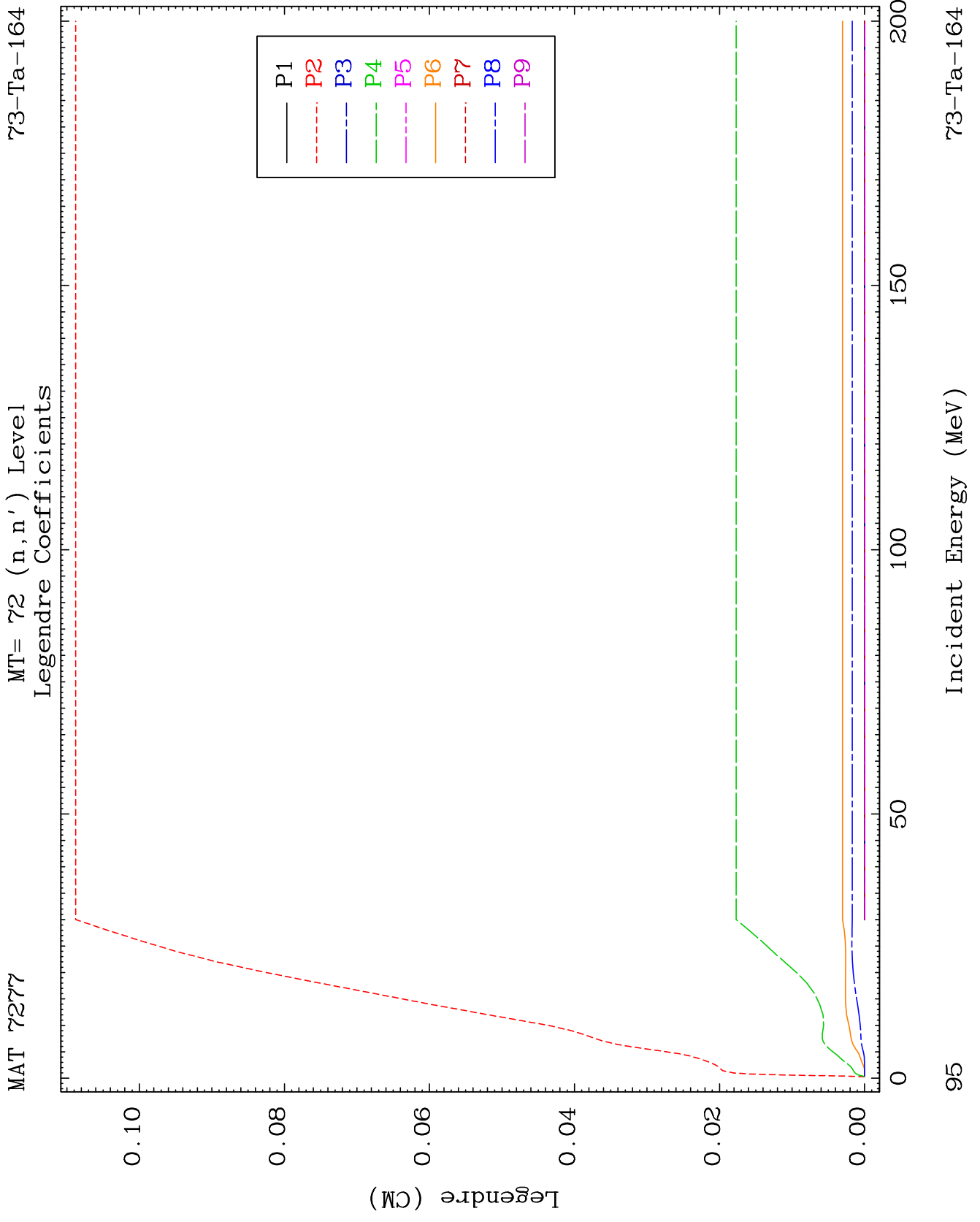
73-Ta-164



73-Ta-164

Incident Energy (MeV)

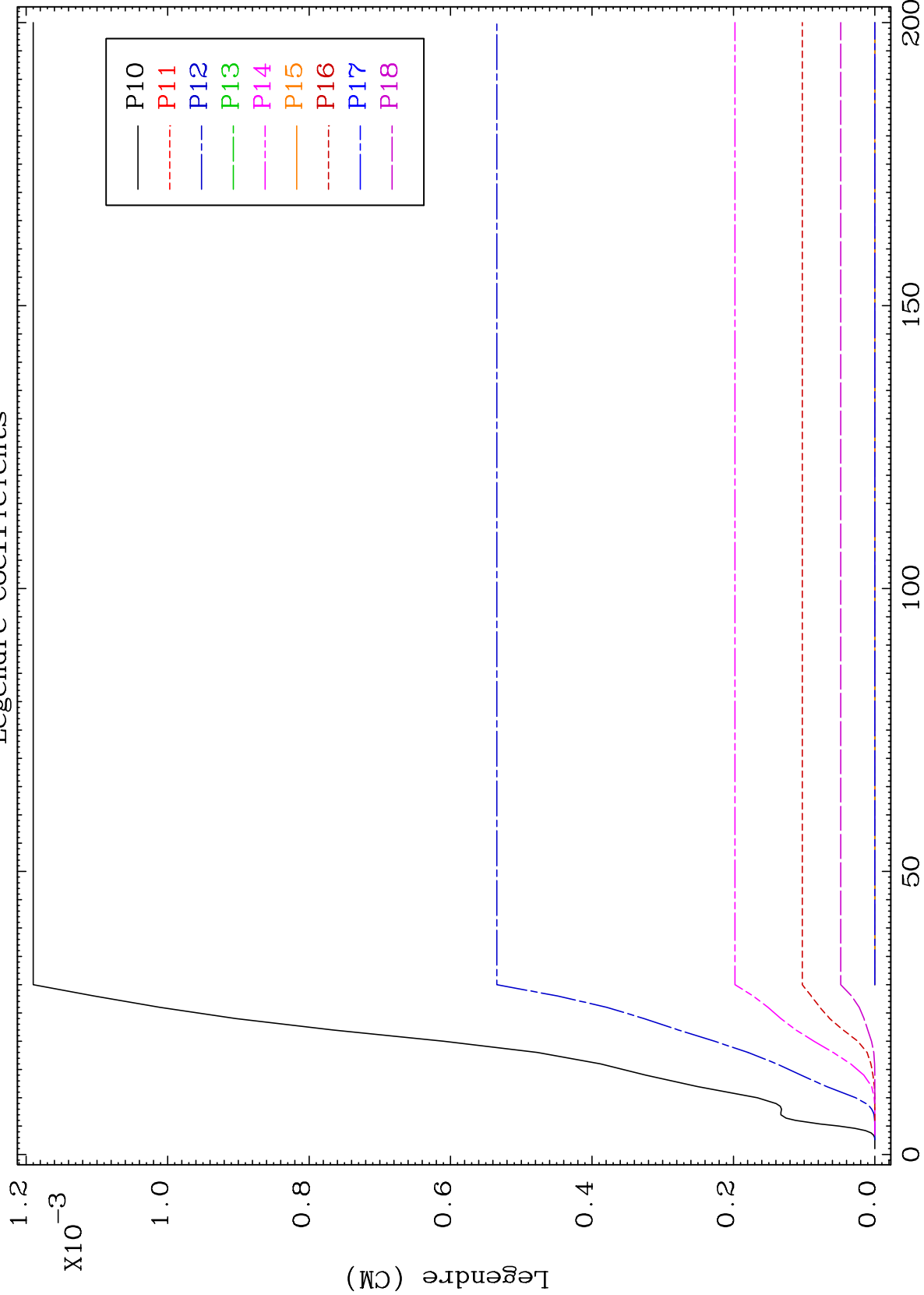
94



MAT 7277

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

73-Ta-164



96

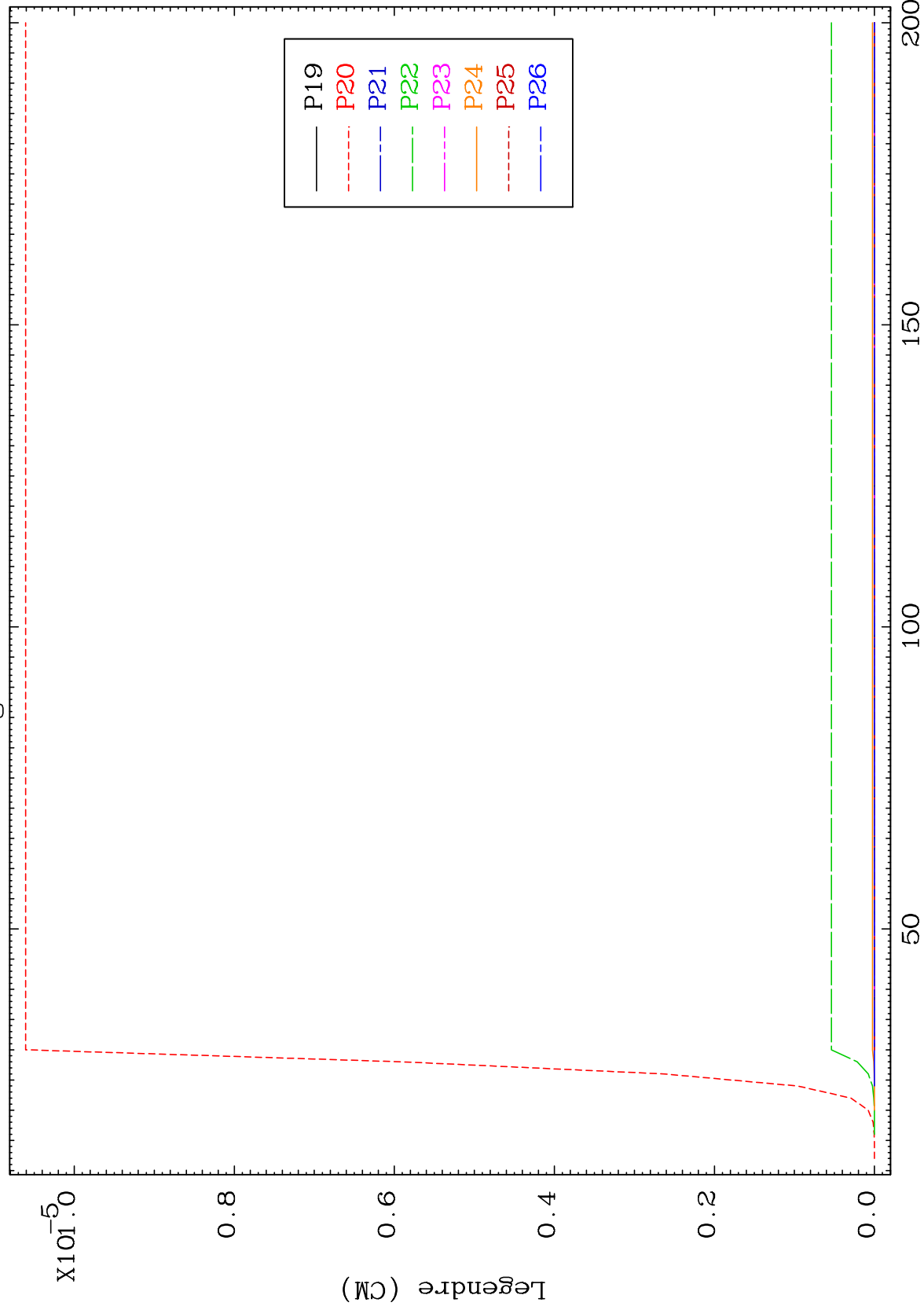
Incident Energy (MeV)

73-Ta-164

MAT 7277

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

73-Ta-164



73-Ta-164

Incident Energy (MeV)

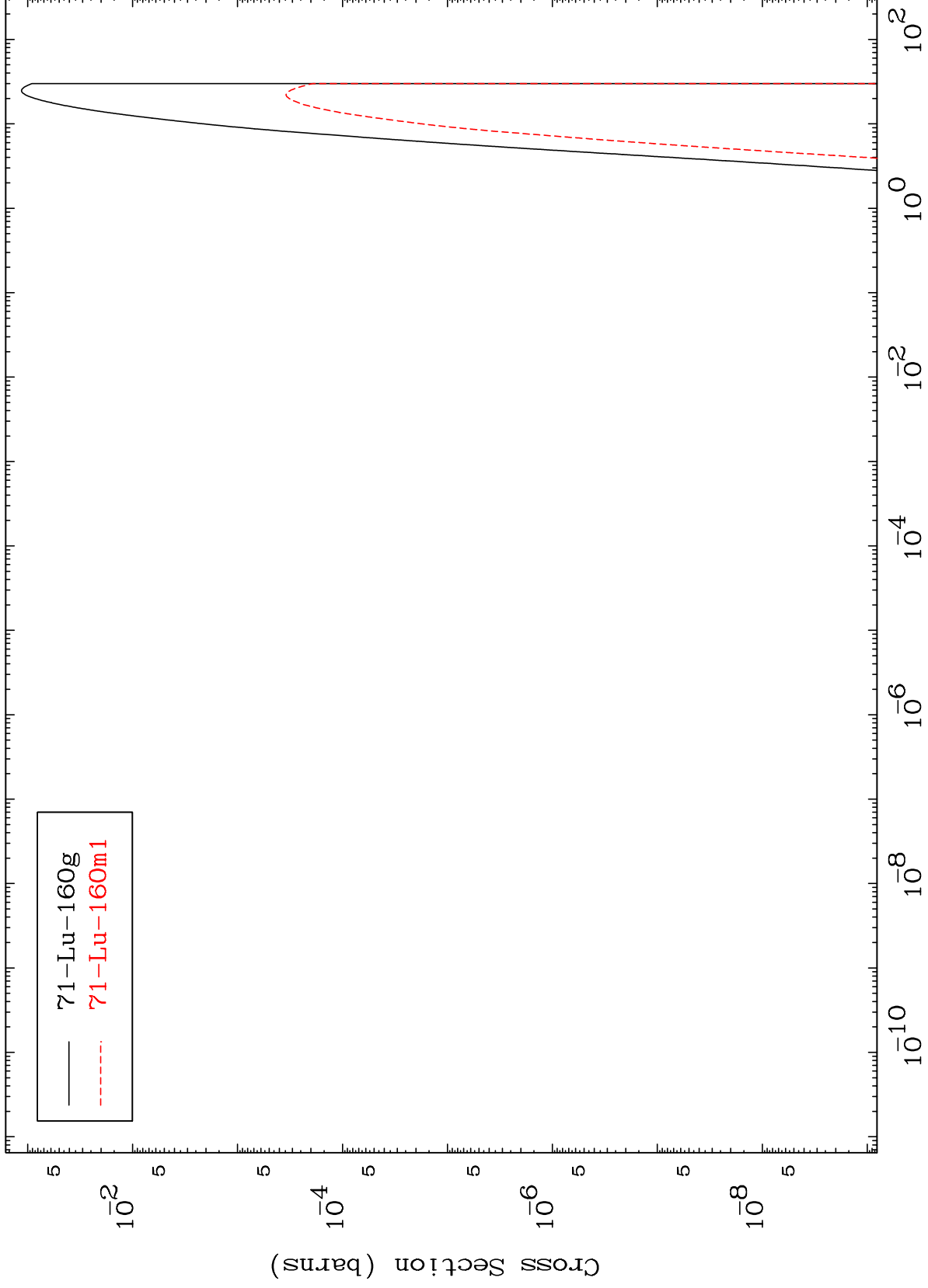
97

MAT 7277

$(n, n') \alpha$

$^{73}\text{Ta-164}$

Radionuclide Production Cross Section



98

Incident Energy (MeV)

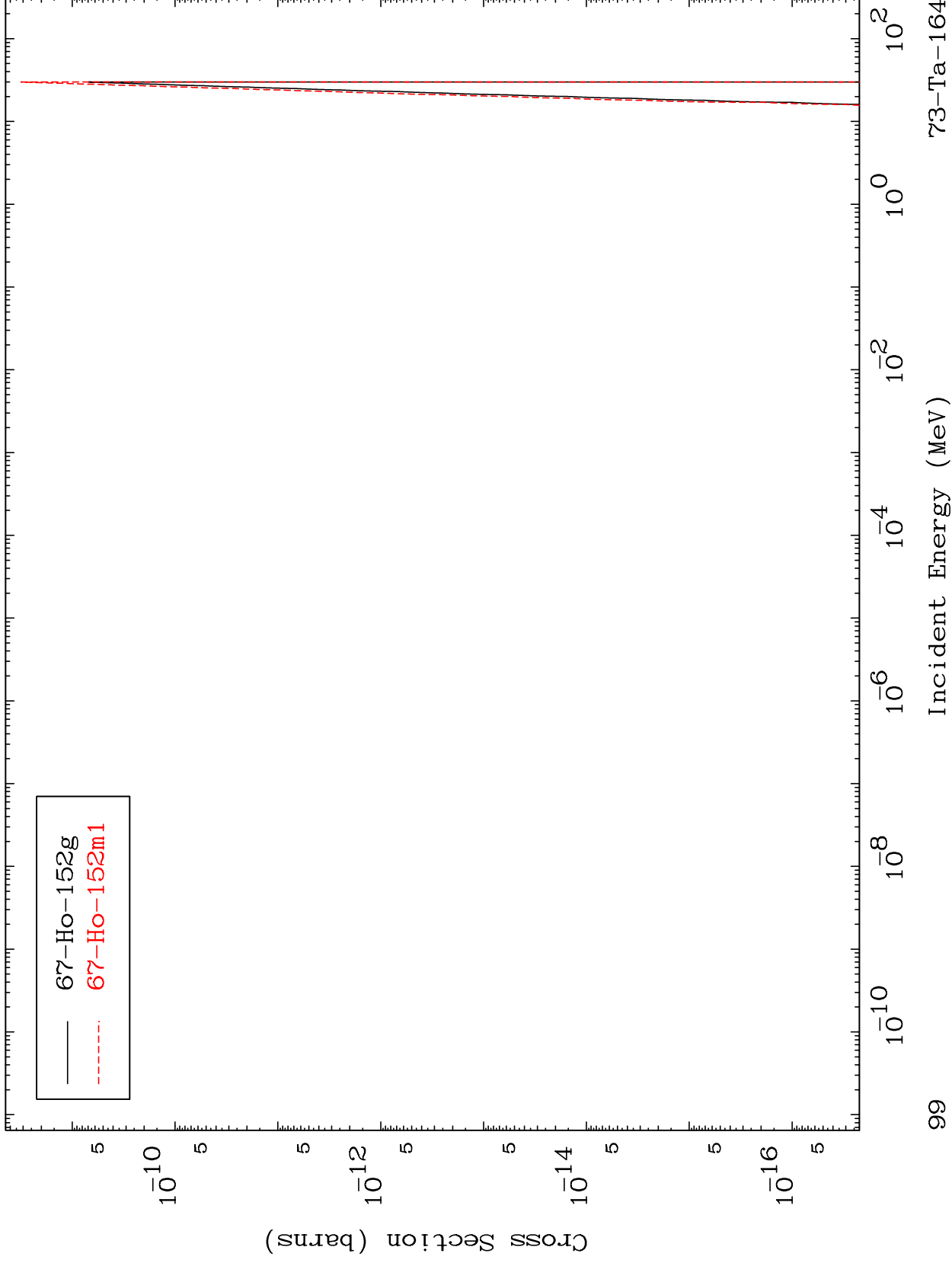
$^{73}\text{Ta-164}$

MAT 7277

(n,n') 3 α

73-Ta-164

Radionuclide Production Cross Section



99

Incident Energy (MeV)

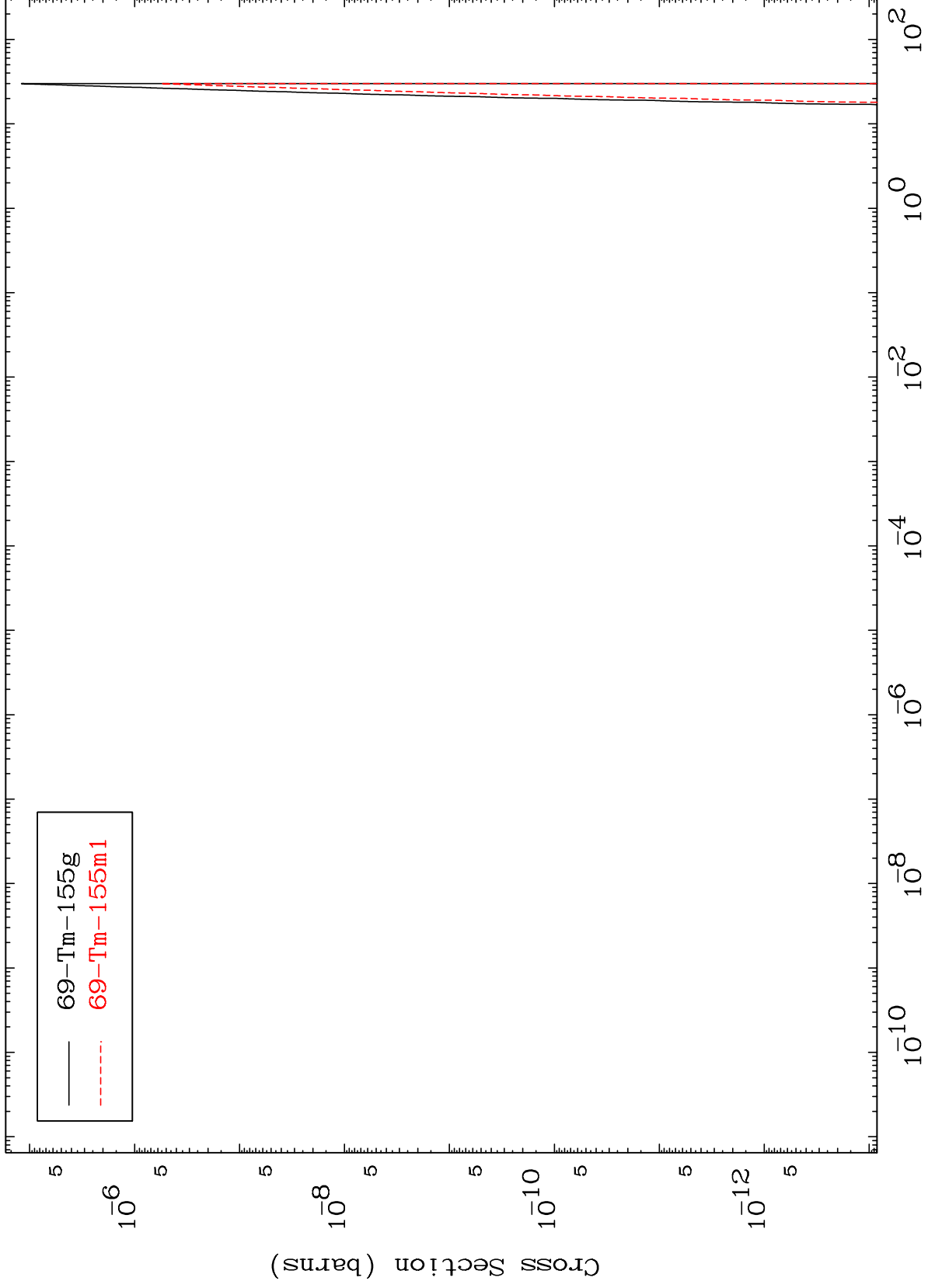
73-Ta-164

MAT 7277

(n,2n) 2α

73-Ta-164

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

100

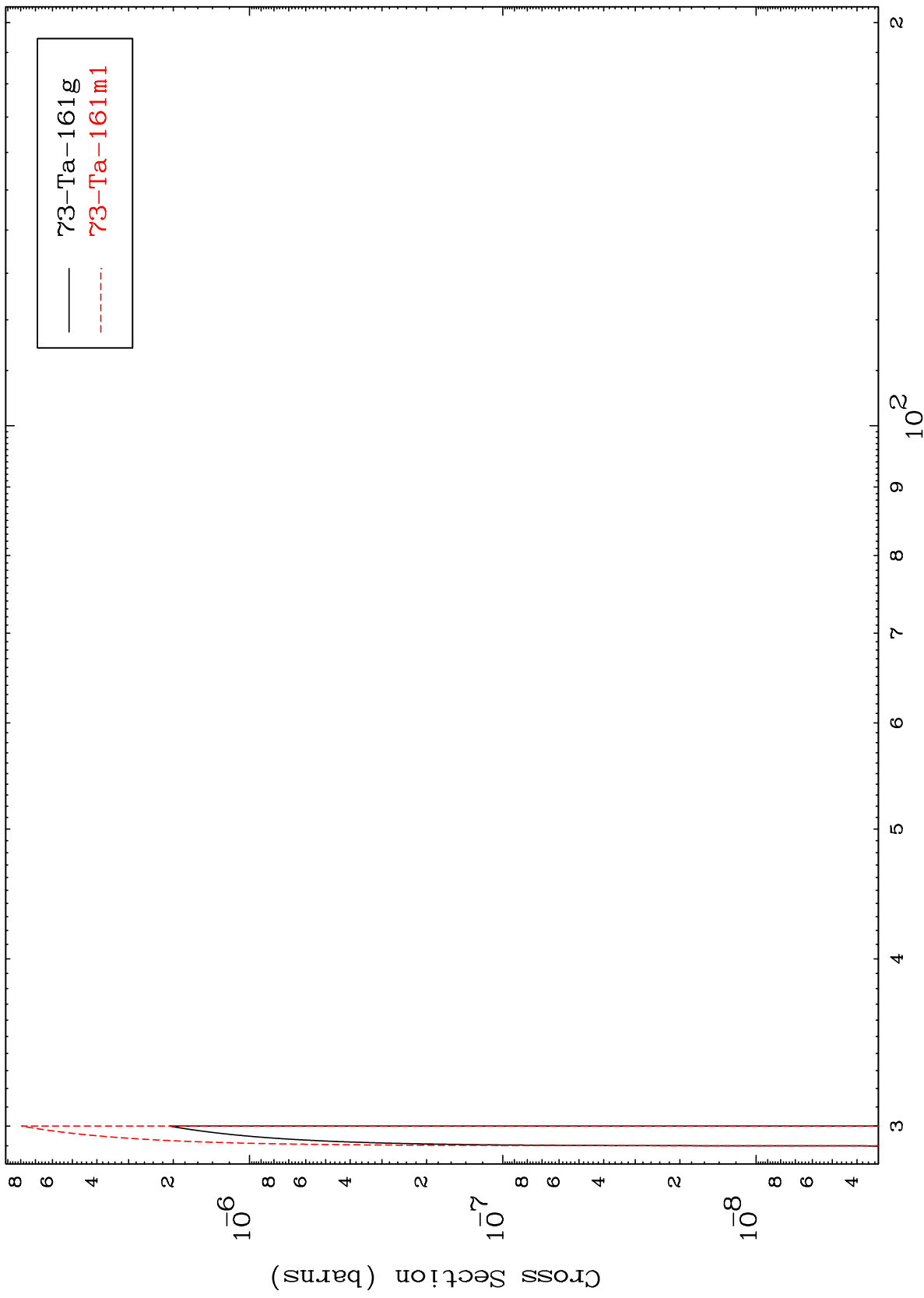
Incident Energy (MeV)

73-Ta-164

MAT 7277

⁷³Ta-164

(n,4n)
Radionuclide Production Cross Section



⁷³Ta-164

Incident Energy (MeV)

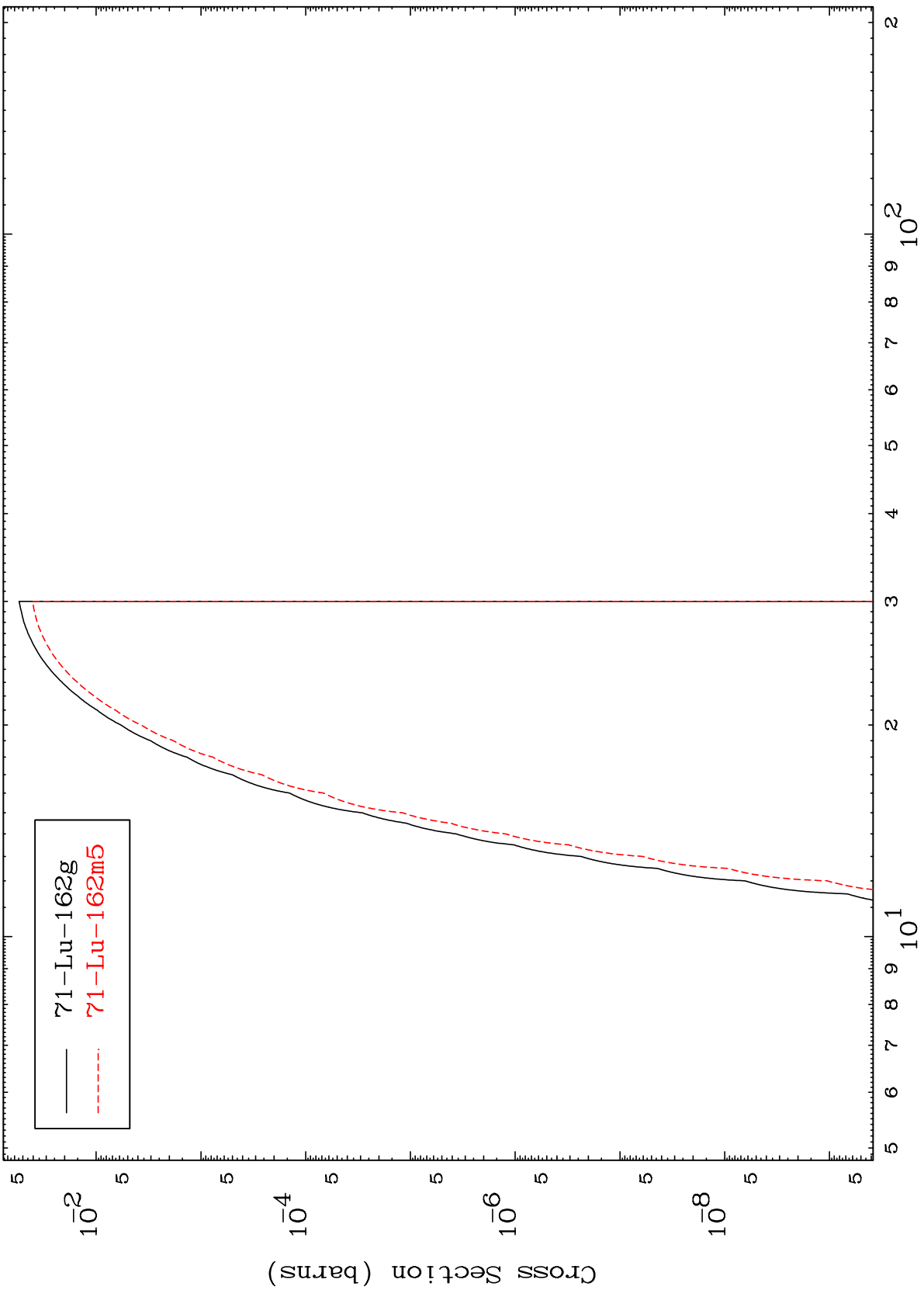
101

MAT 7277

(n,2n) p

73-Ta-164

Radionuclide Production Cross Section



102

Incident Energy (MeV)

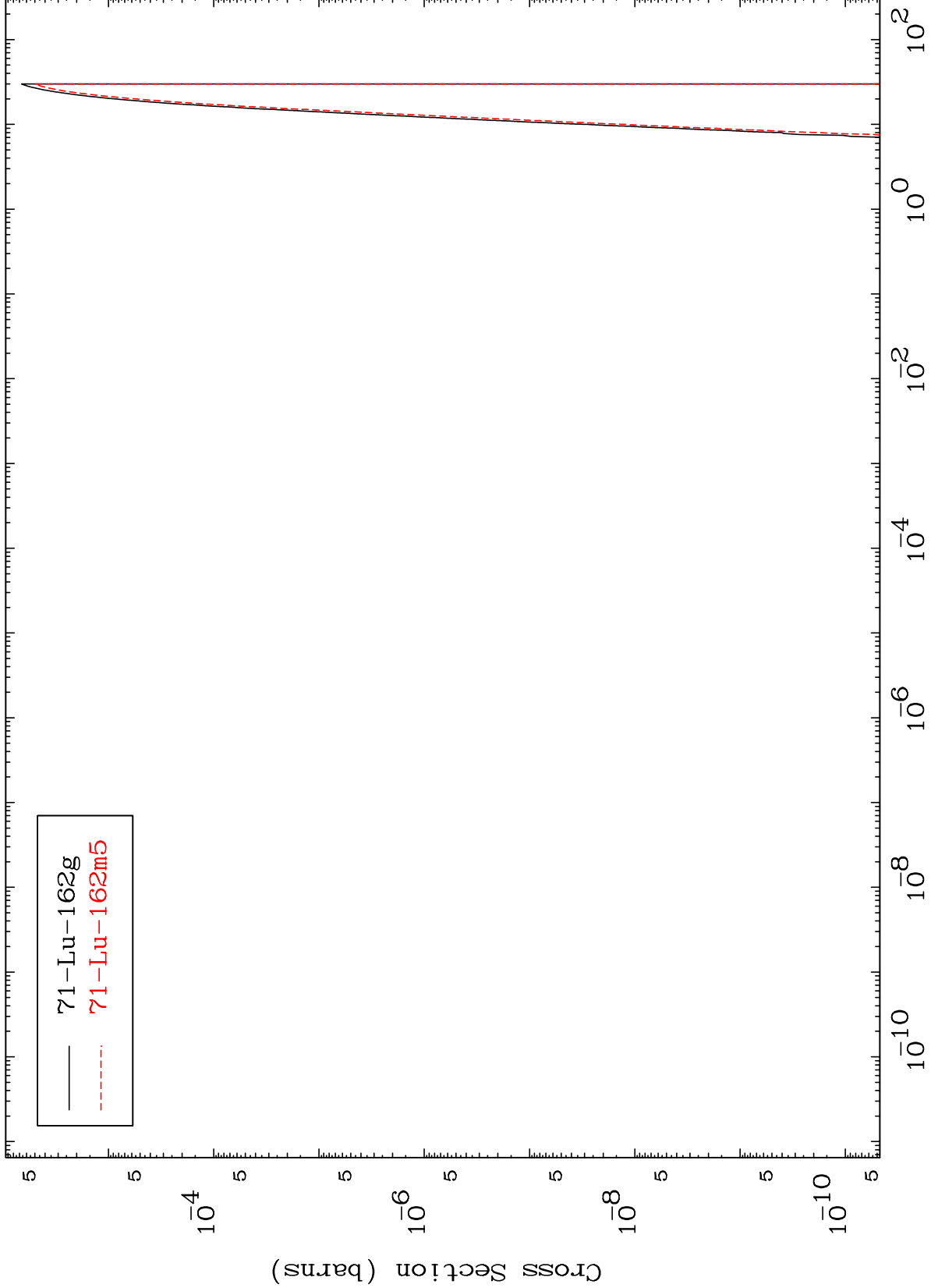
73-Ta-164

MAT 7277

(n,He-3)

73-Ta-164

Radionuclide Production Cross Section



71-Lu-162g
71-Lu-162m5

103

Incident Energy (MeV)

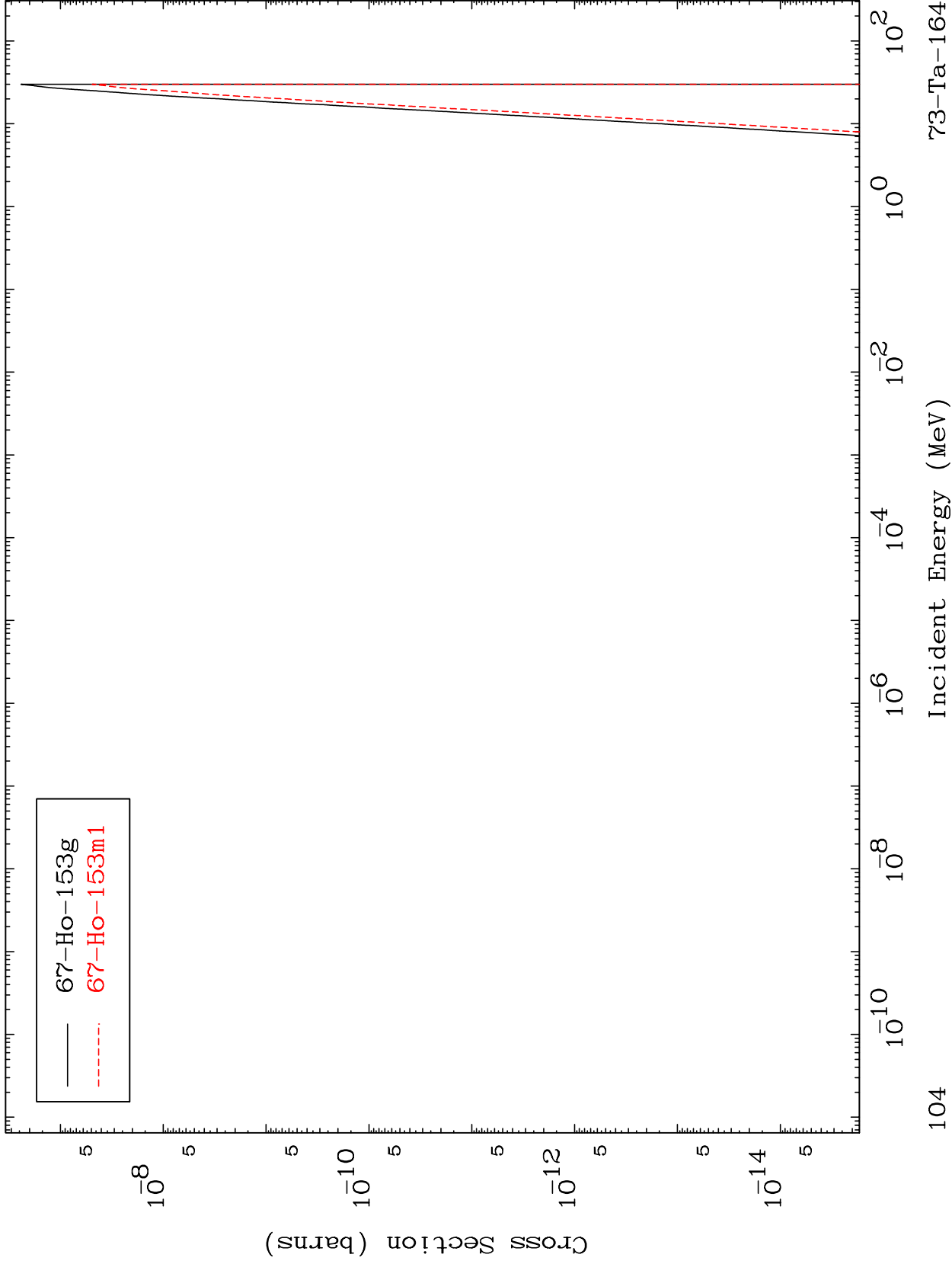
73-Ta-164

MAT 7277

(n,3 α)

73-Ta-164

Radionuclide Production Cross Section



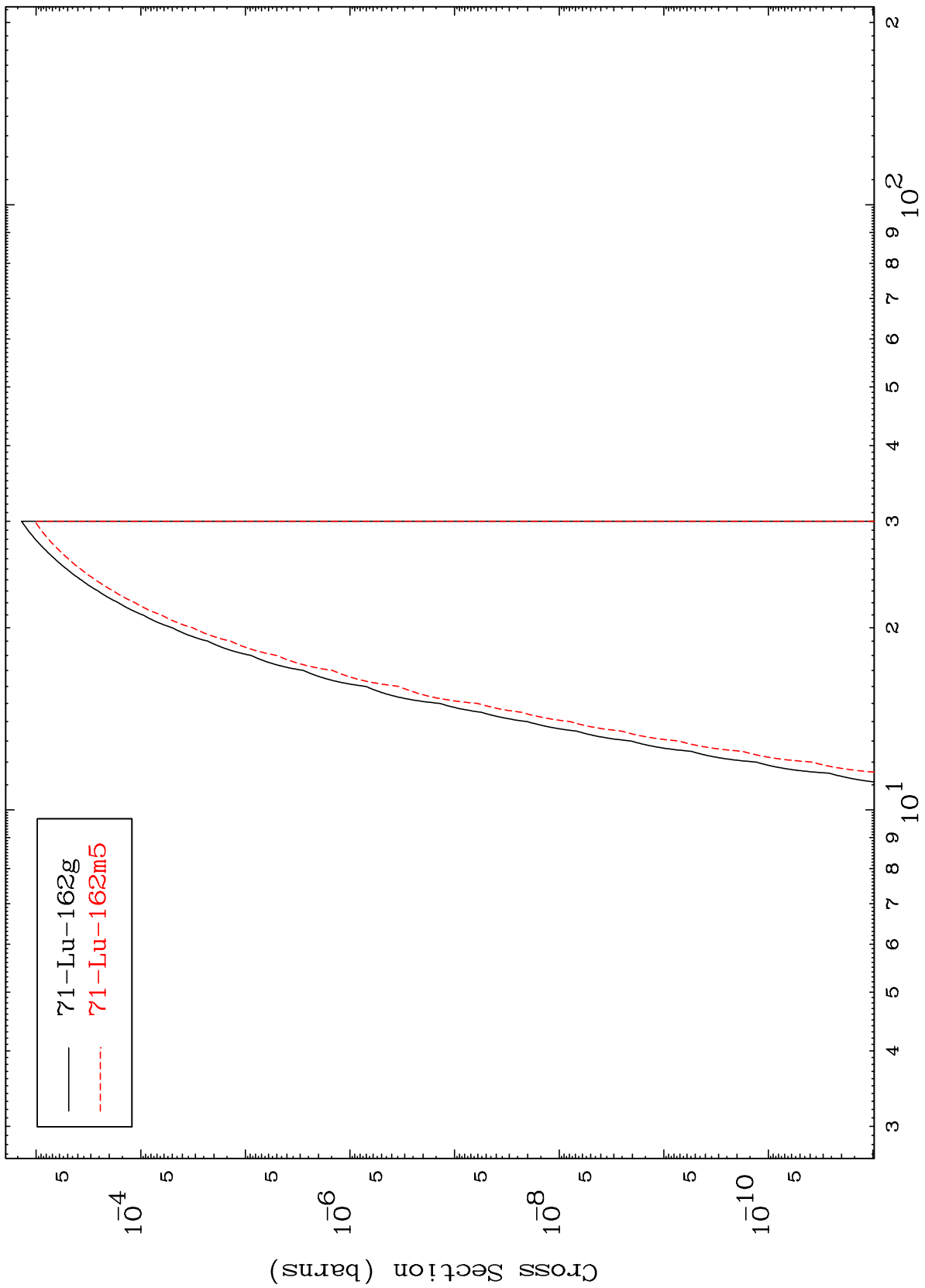
104

MAT 7277

(n,p) d

73-Ta-164

Radionuclide Production Cross Section



— 71-Lu-162g
- - - 71-Lu-162m5

105

Incident Energy (MeV)

73-Ta-164