

Program EVALPLOT
(Version 2021-1)

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

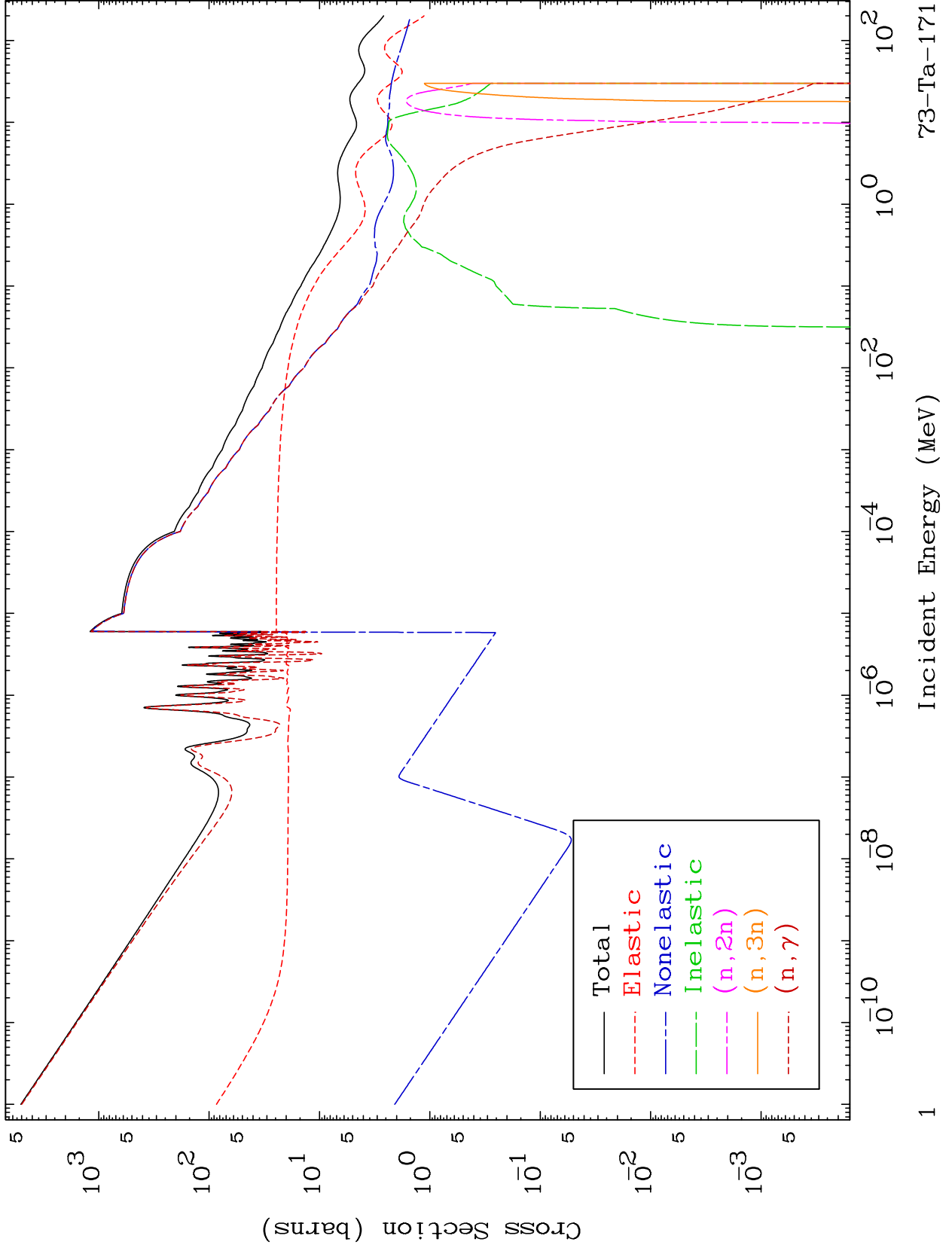
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7298

Neutron Major
293 Kelvin Cross Sections

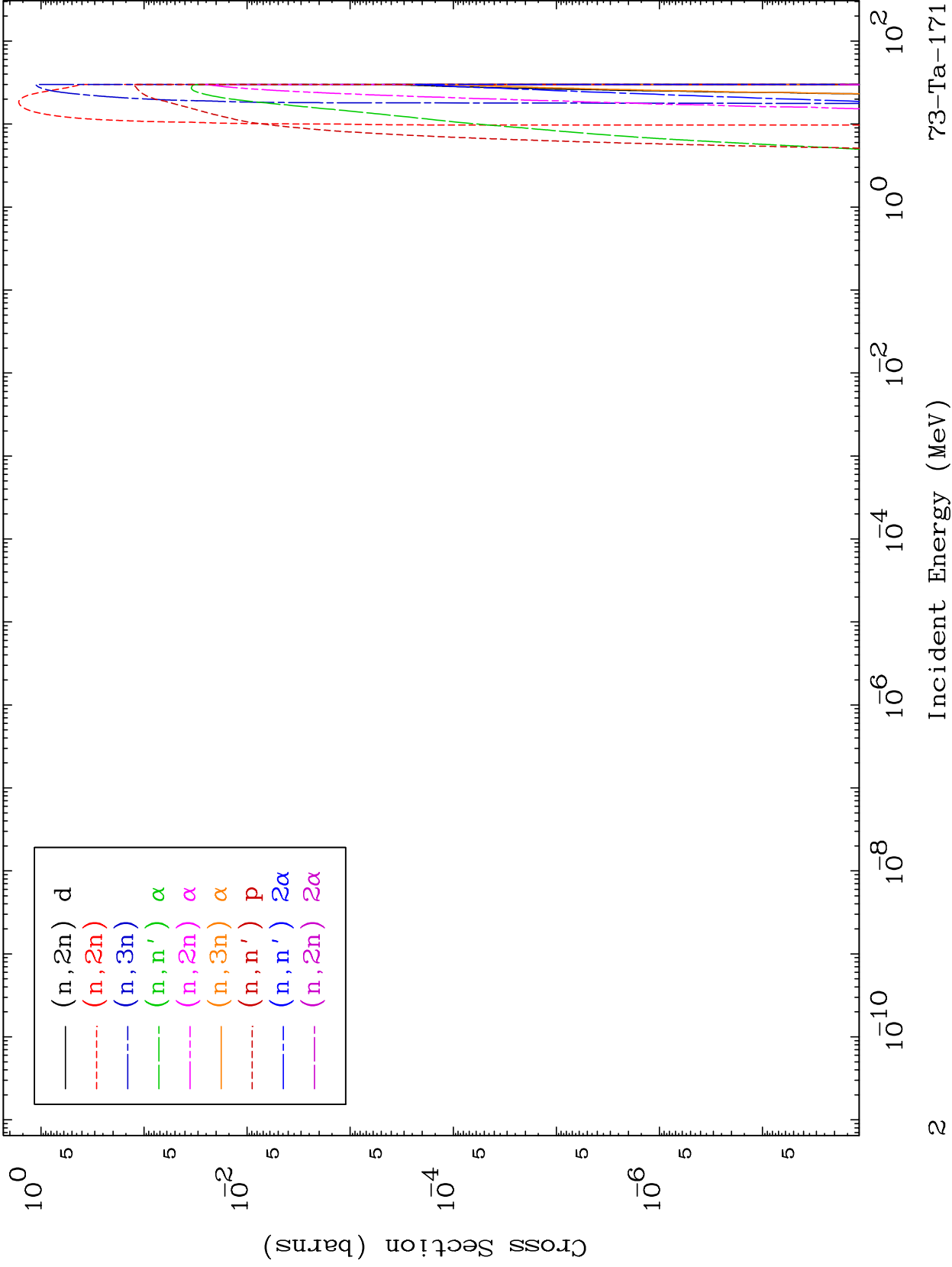
73-Ta-171



MAT 7298

Neutron Absorption
293 Kelvin Cross Sections

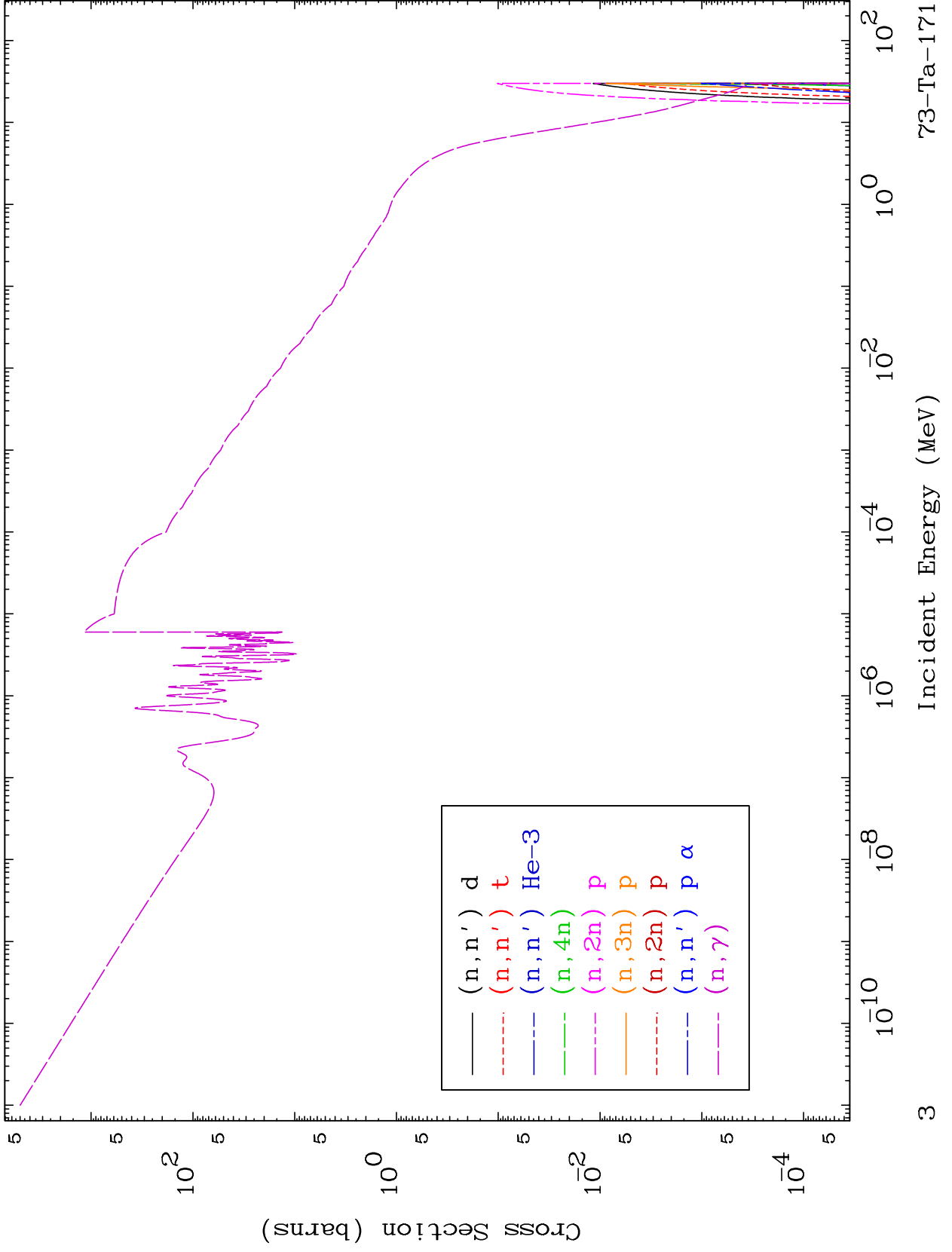
73-Ta-171



MAT 7298

Neutron Absorption
293 Kelvin Cross Sections

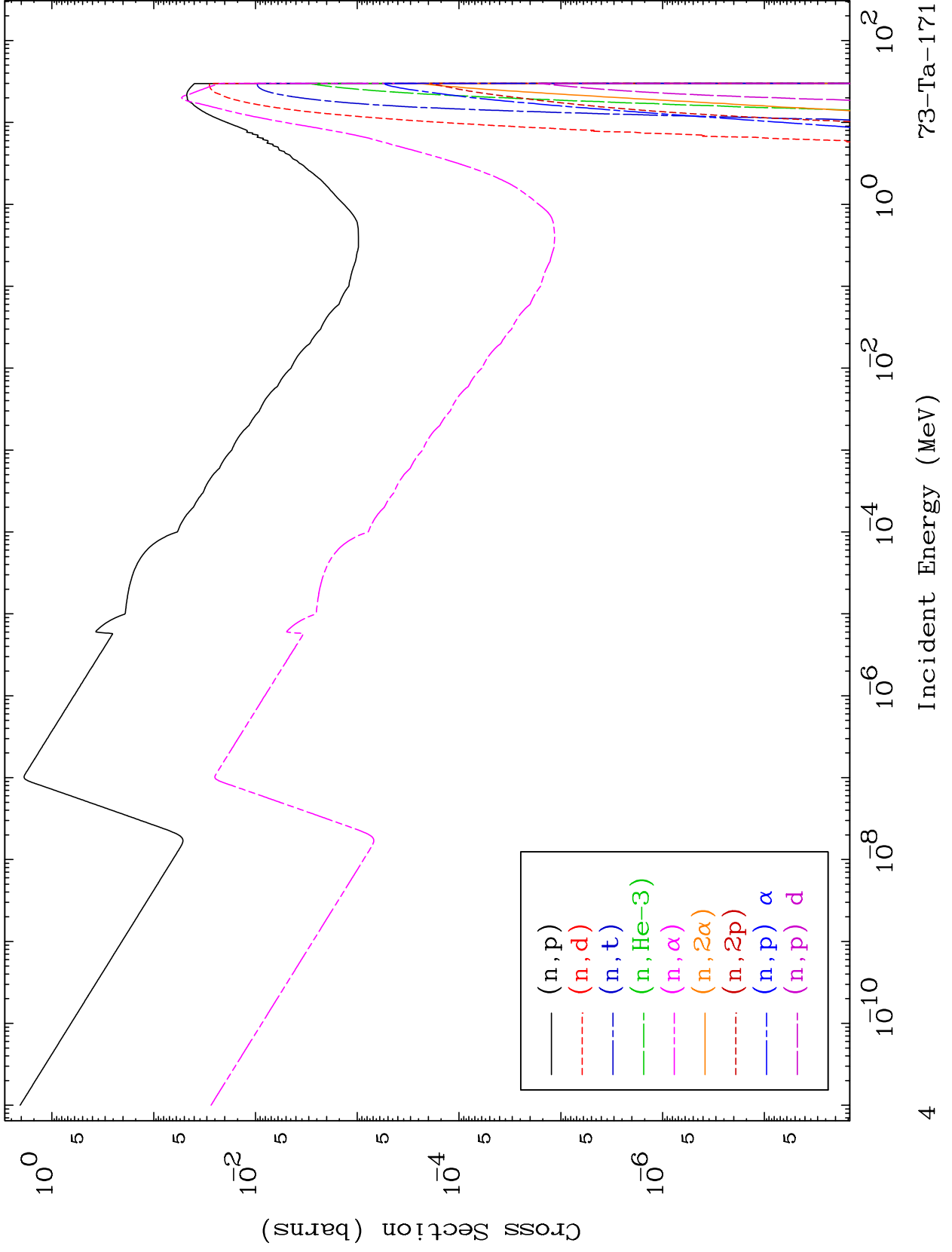
73-Ta-171

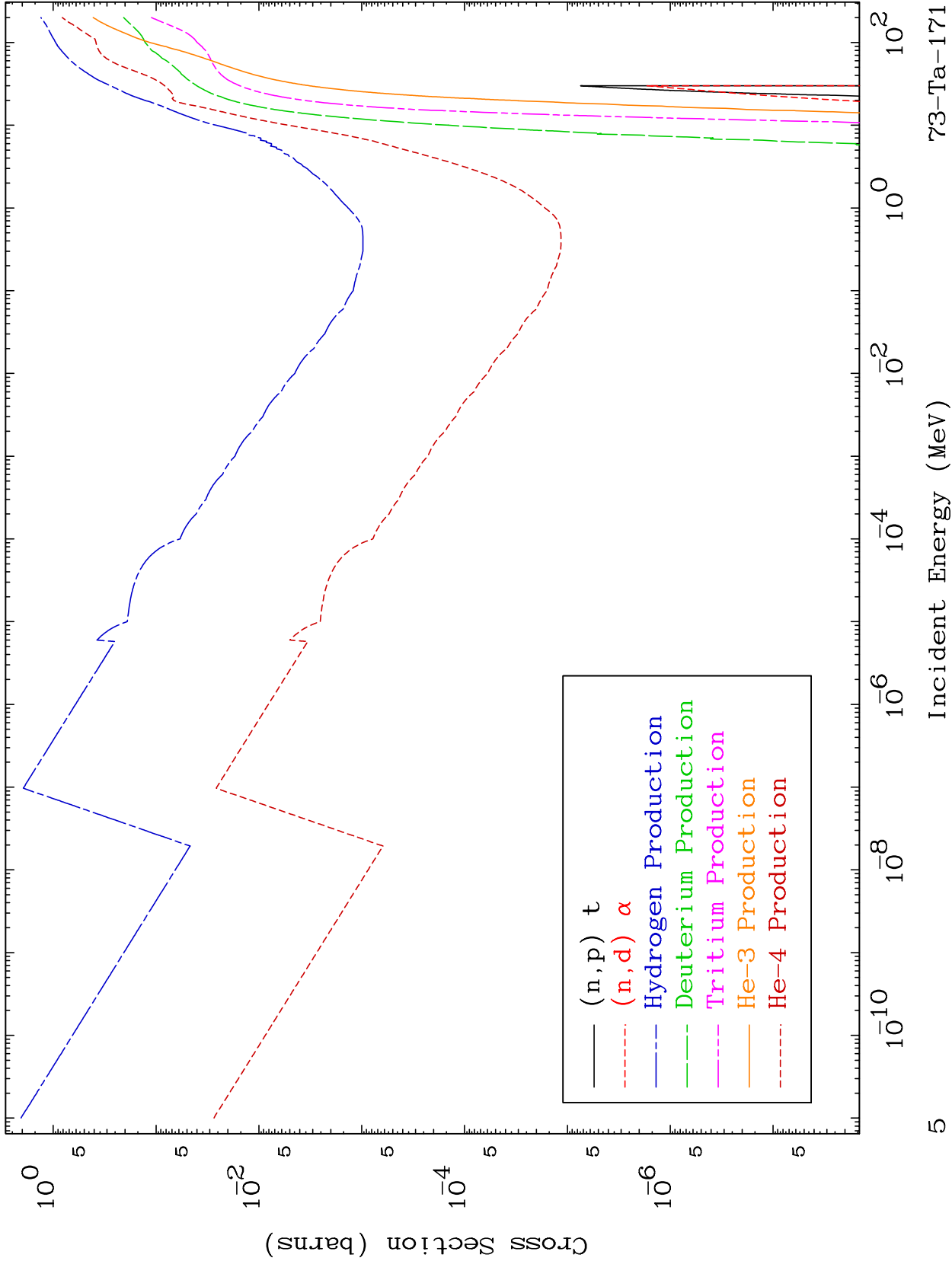


MAT 7298

Neutron Absorption
293 Kelvin Cross Sections

73-Ta-171

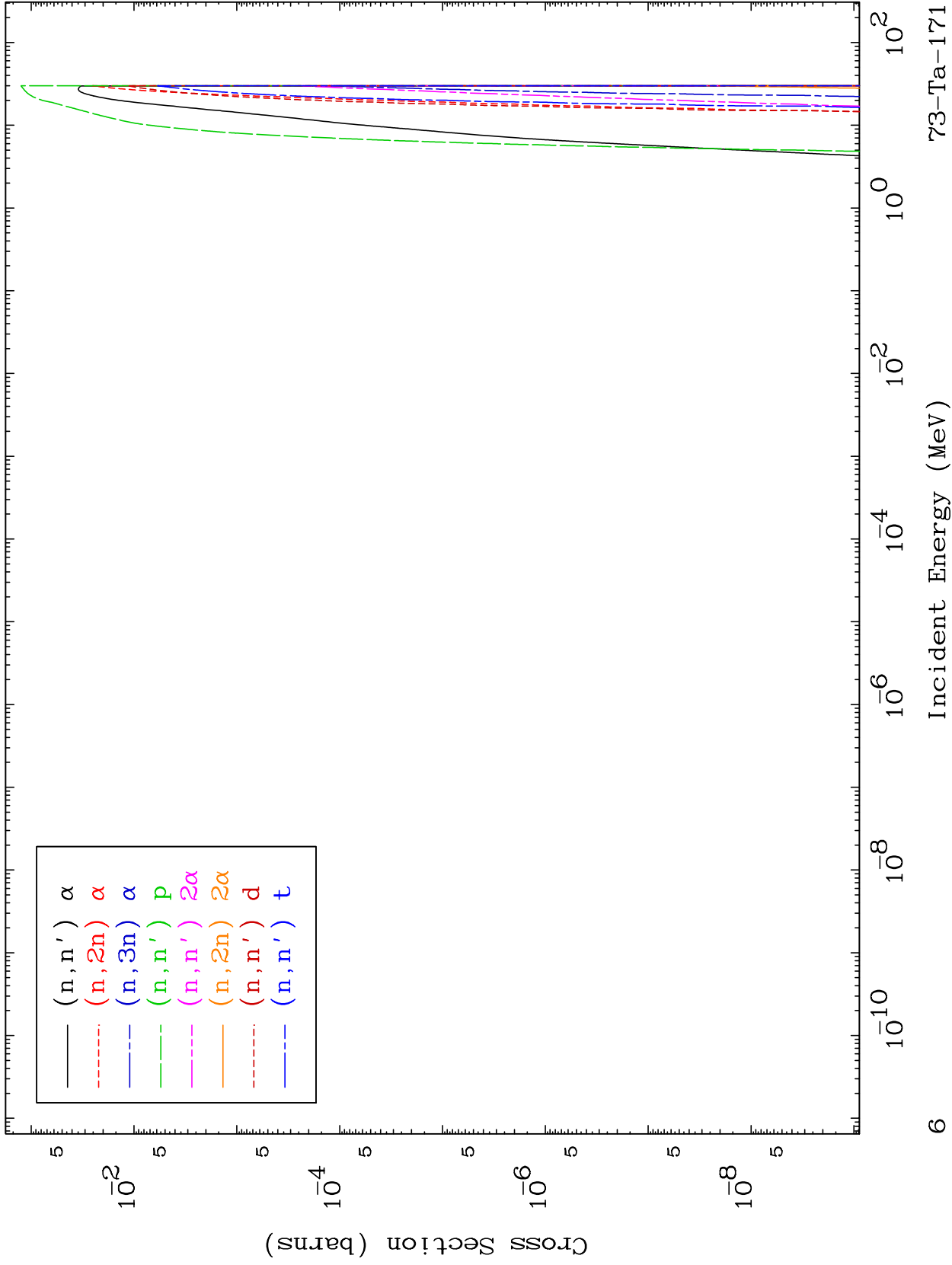




MAT 7298

Charged Particle
293 Kelvin Cross Sections

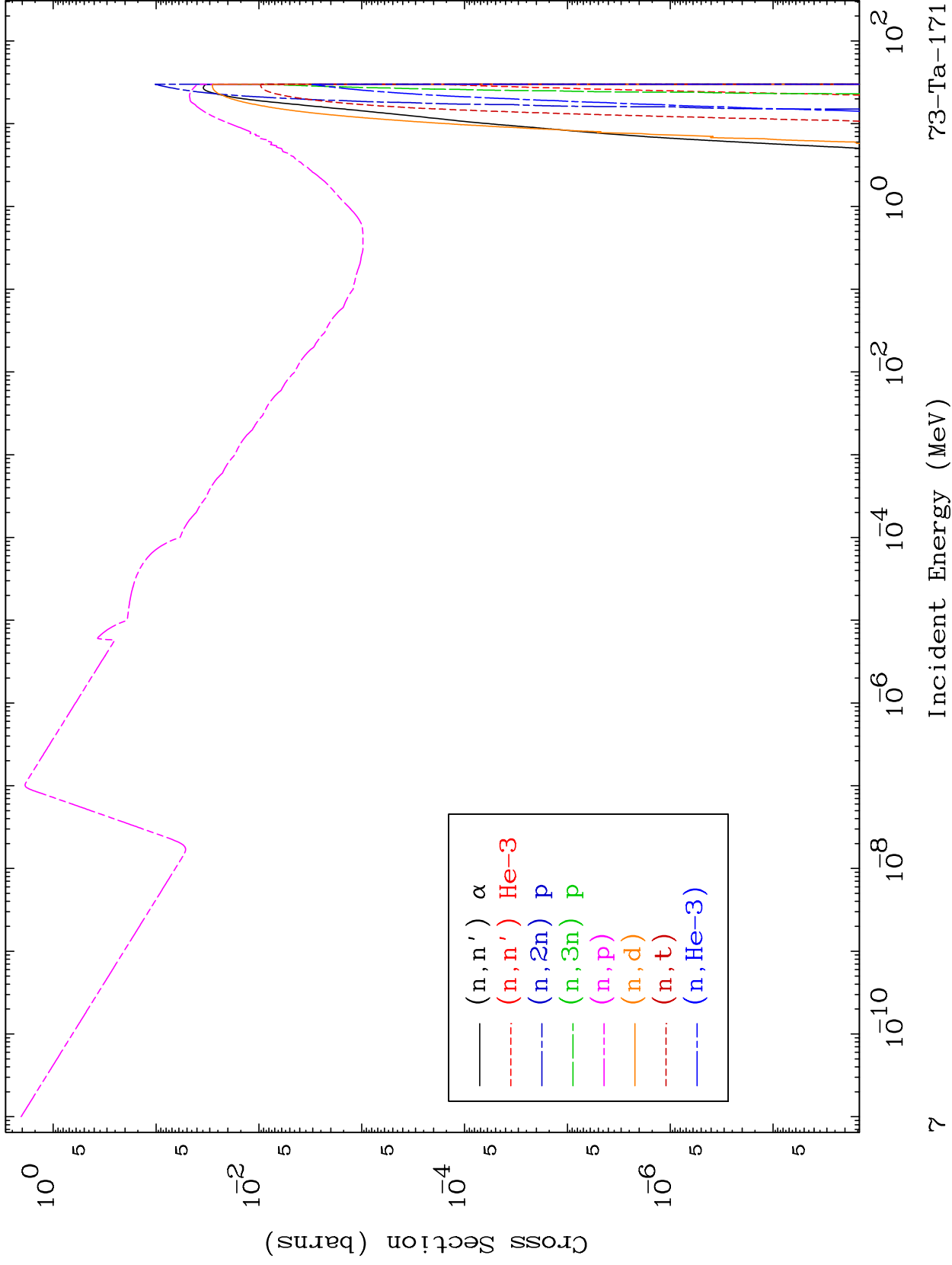
73-Ta-171



MAT 7298

Charged Particle
293 Kelvin Cross Sections

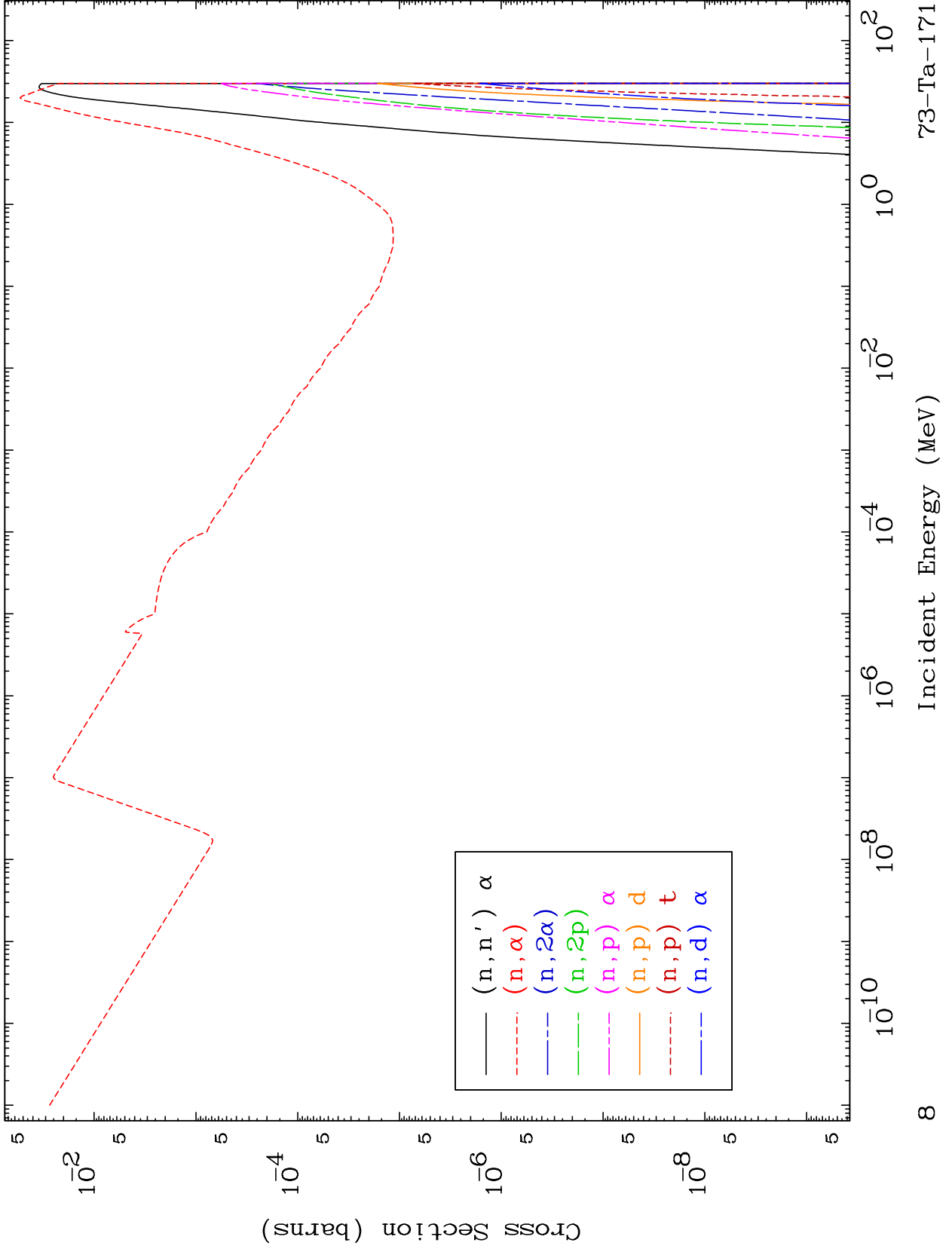
73-Ta-171



MAT 7298

Charged Particle
293 Kelvin Cross Sections

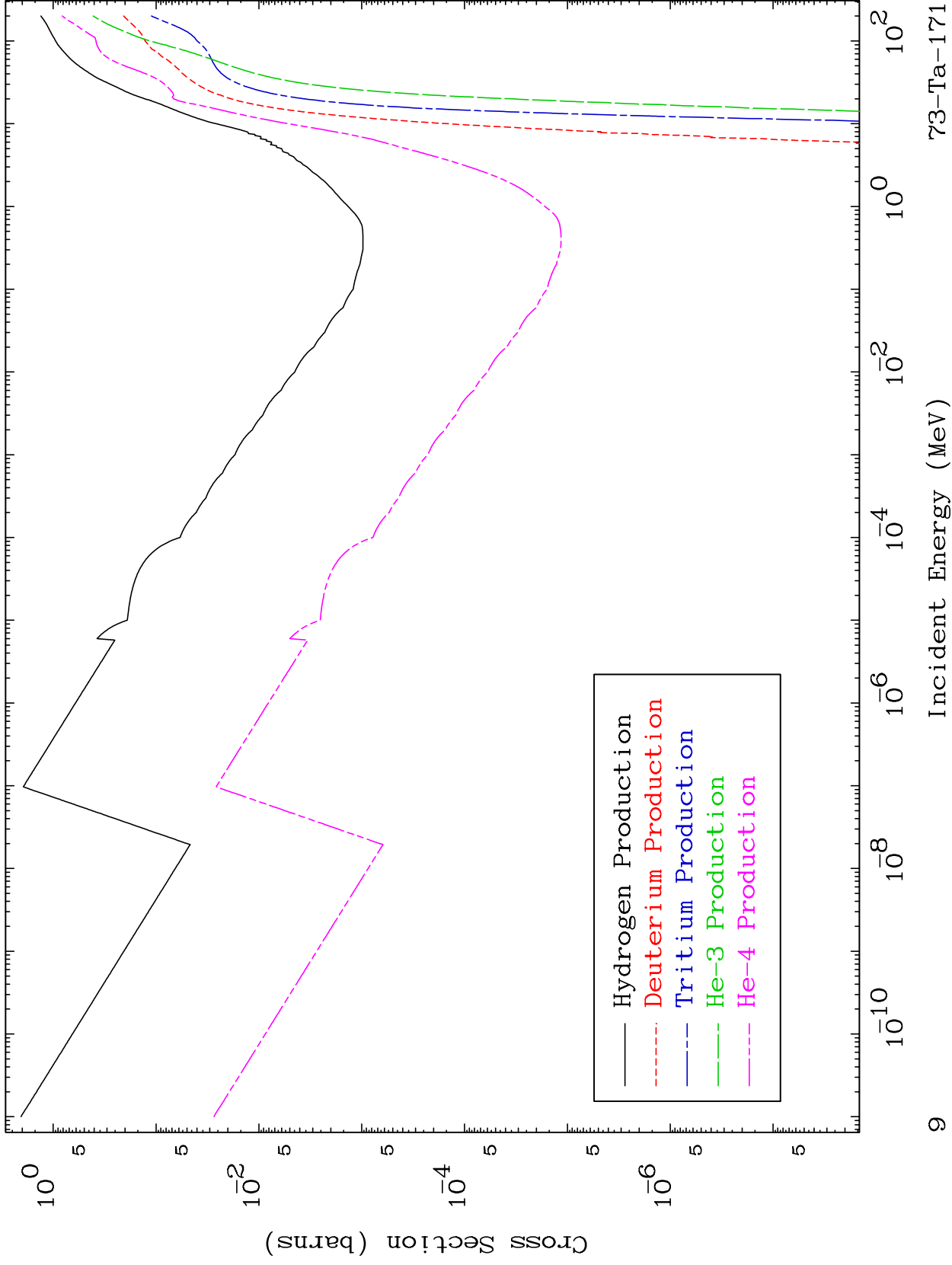
73-Ta-171



MAT 7298

Particle Production
293 Kelvin Cross Sections

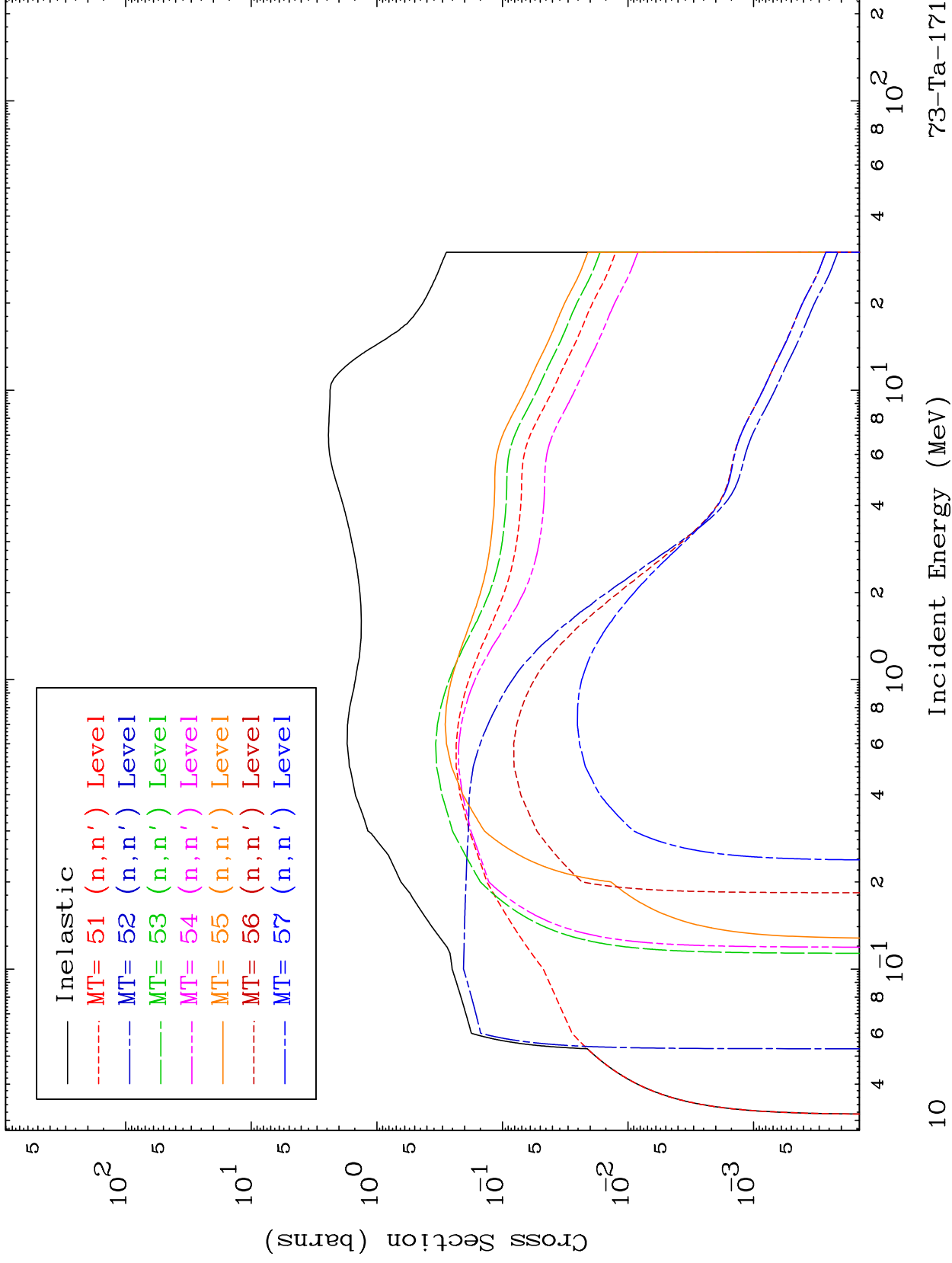
73-Ta-171



MAT 7298

(n,n') Levels
293 Kelvin Cross Sections

73-Ta-171



10

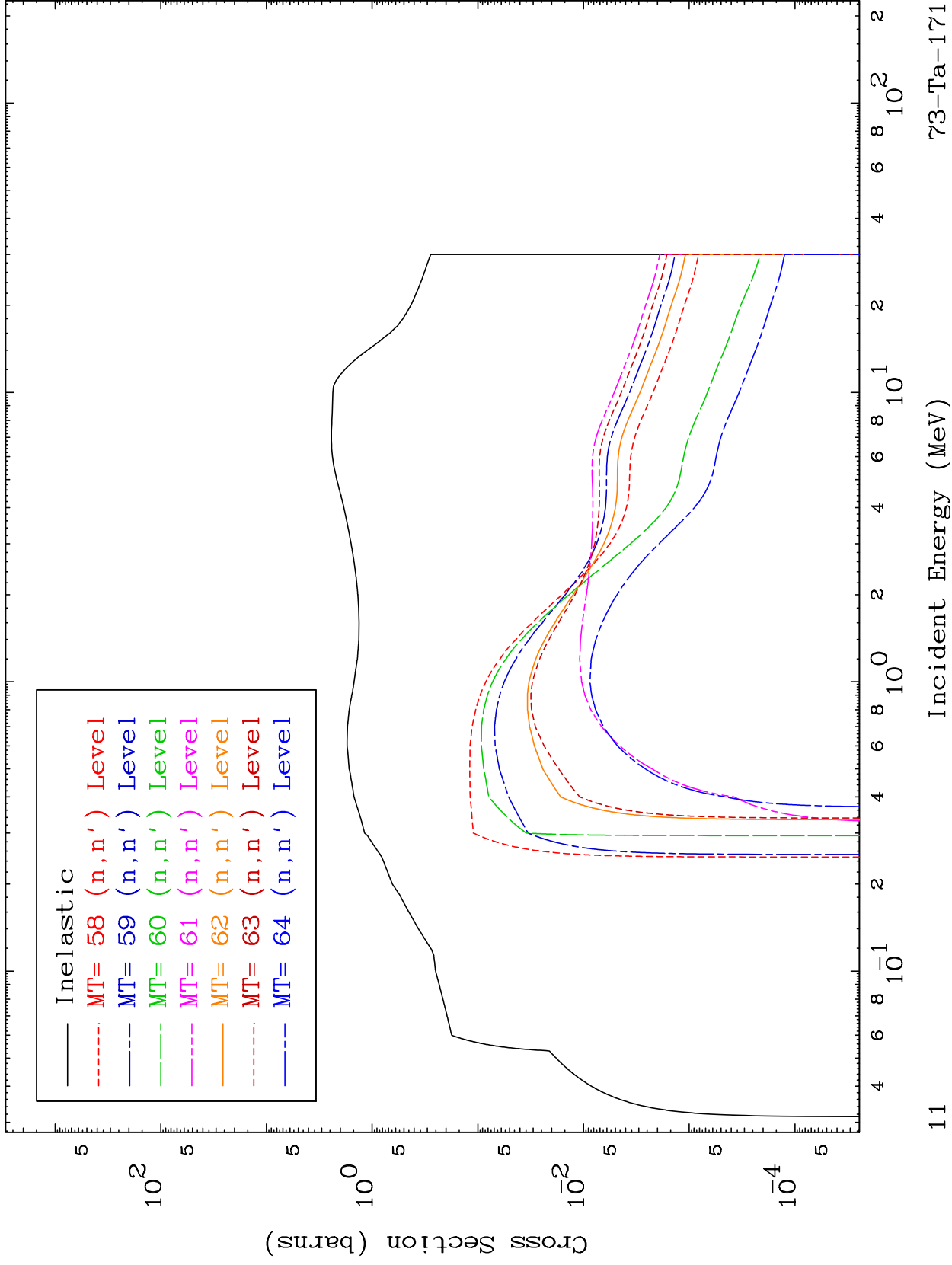
Incident Energy (MeV)

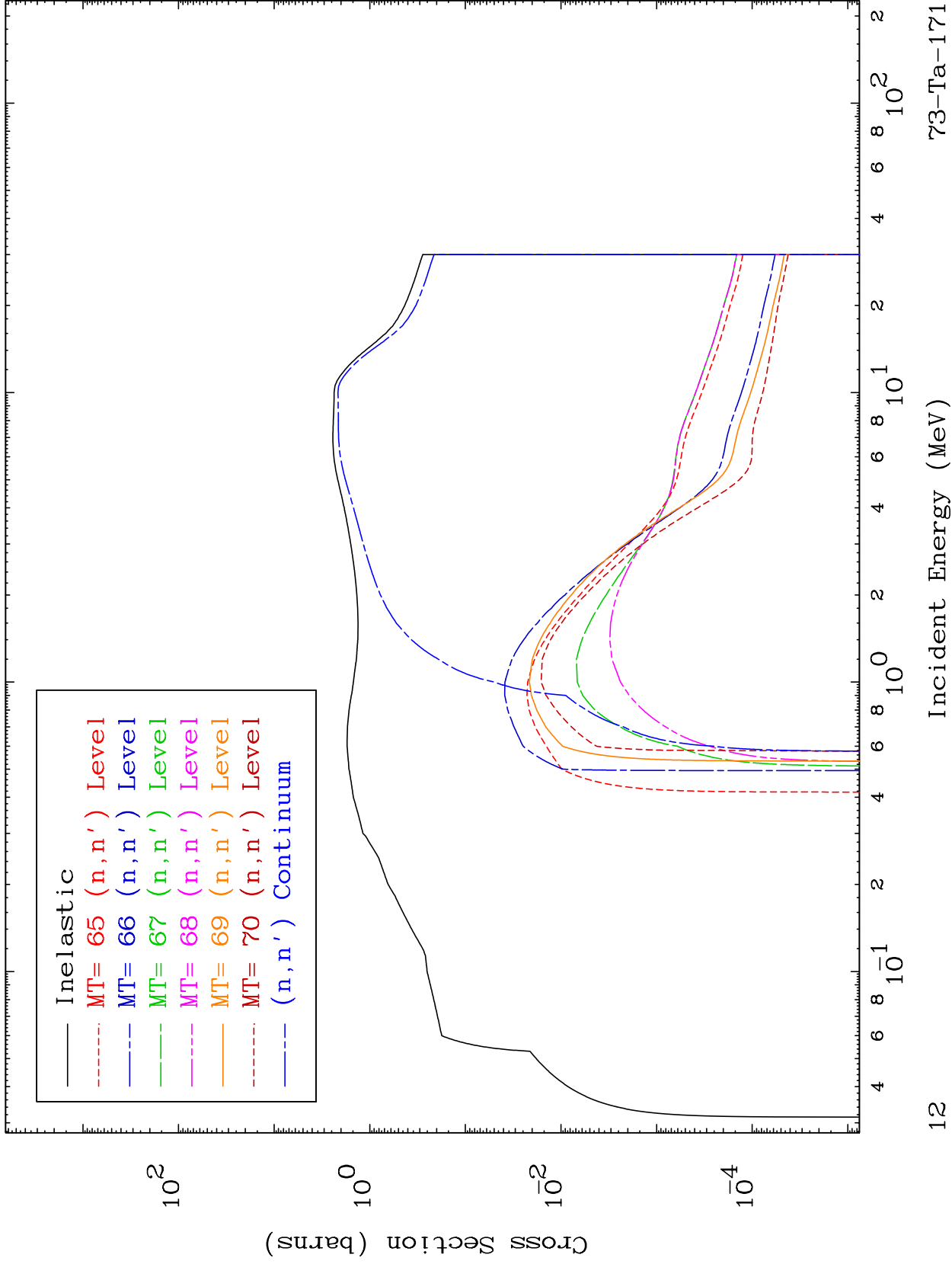
73-Ta-171

MAT 7298

(n,n') Levels
293 Kelvin Cross Sections

73-Ta-171

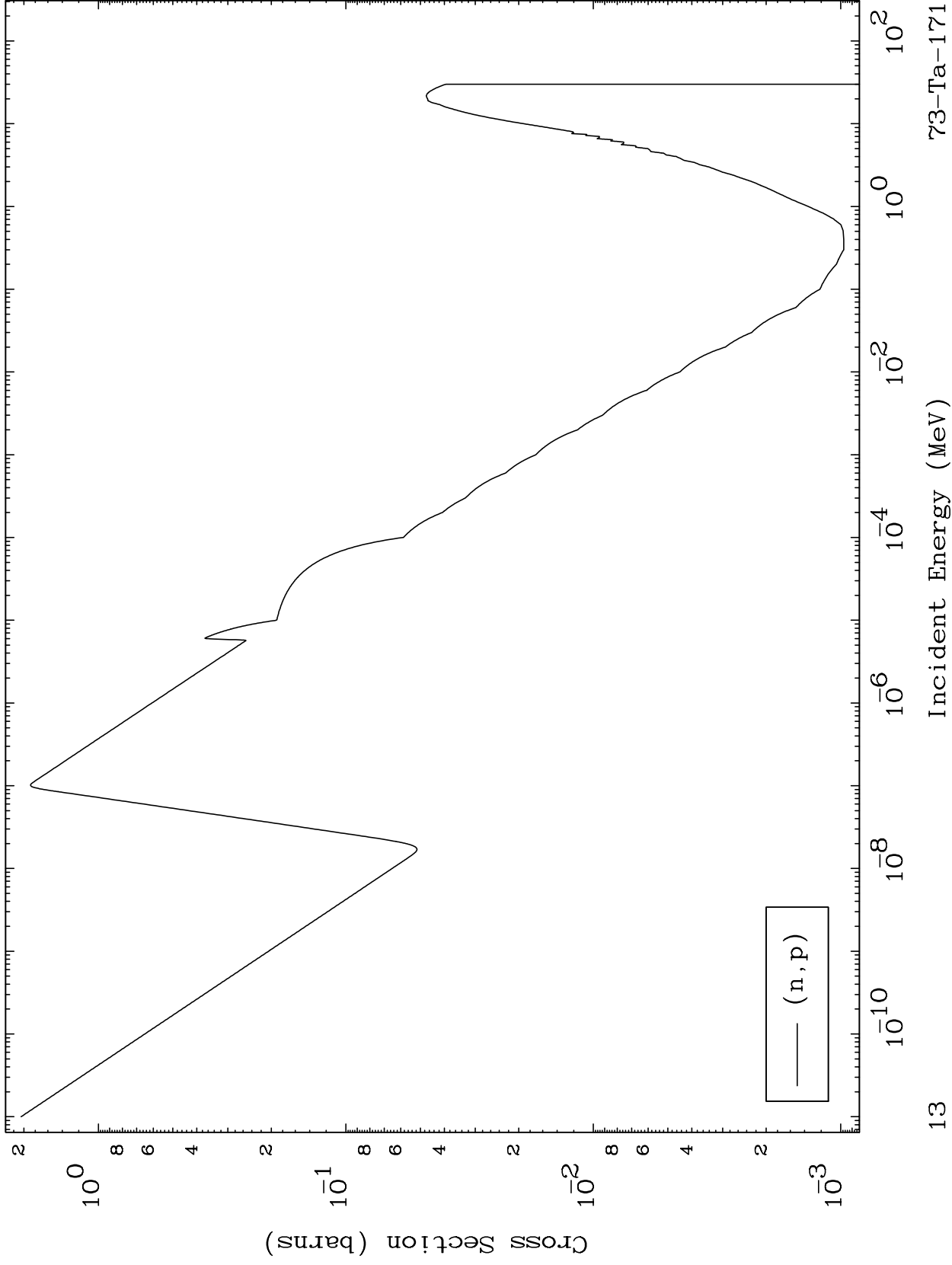




MAT 7298

(n,p) Levels
293 Kelvin Cross Sections

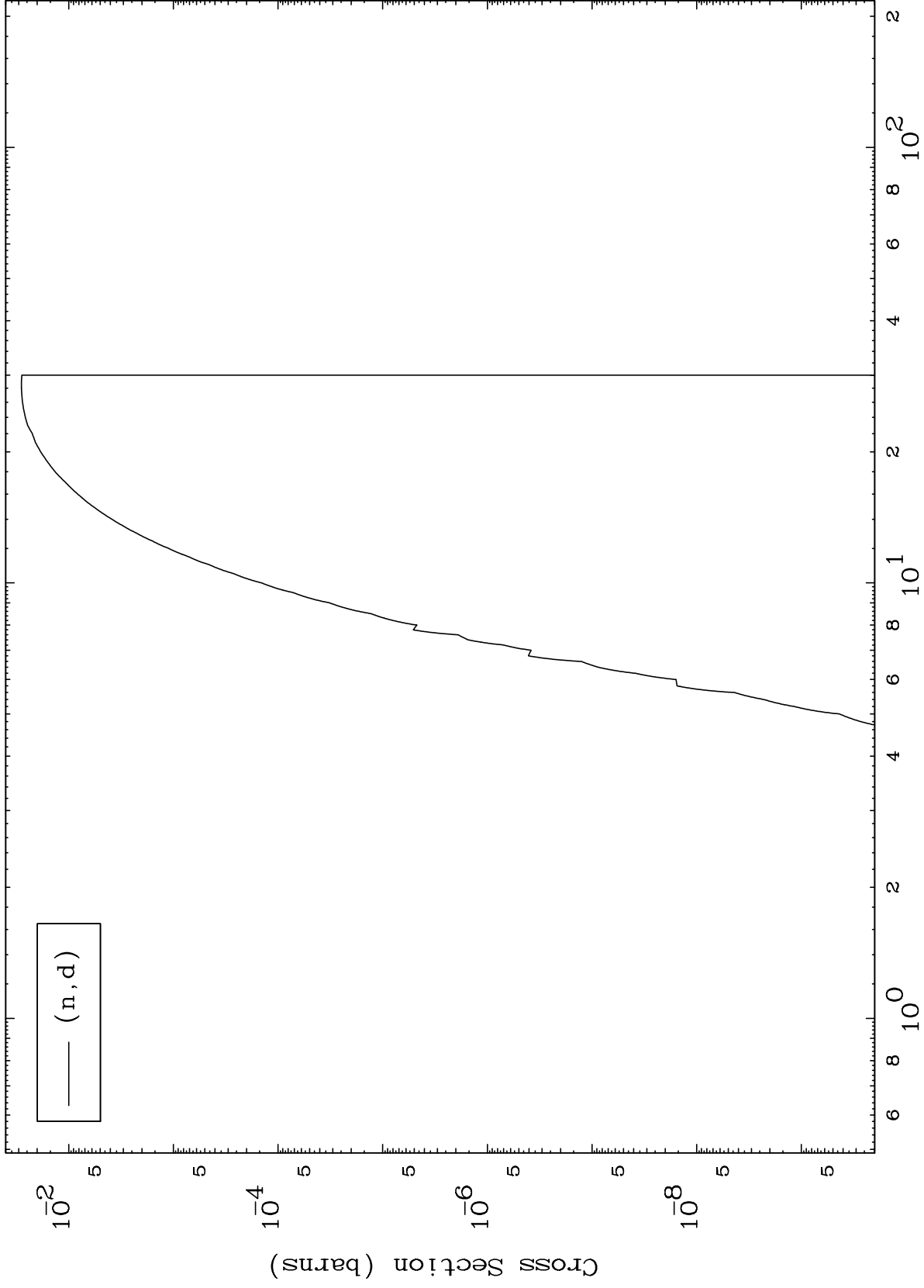
73-Ta-171



MAT 7298

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-171



14

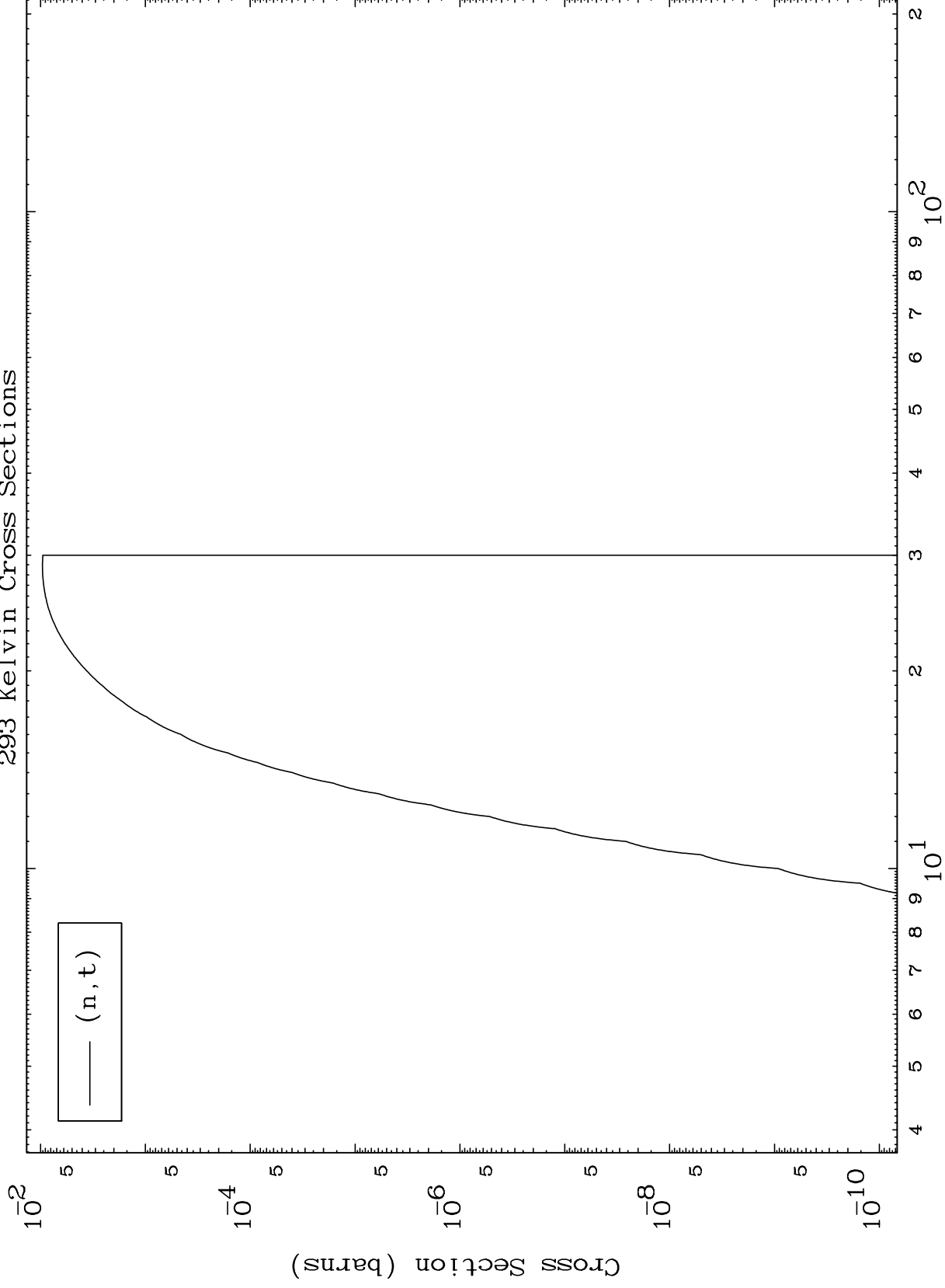
Incident Energy (MeV)

73-Ta-171

MAT 7298

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-171



15

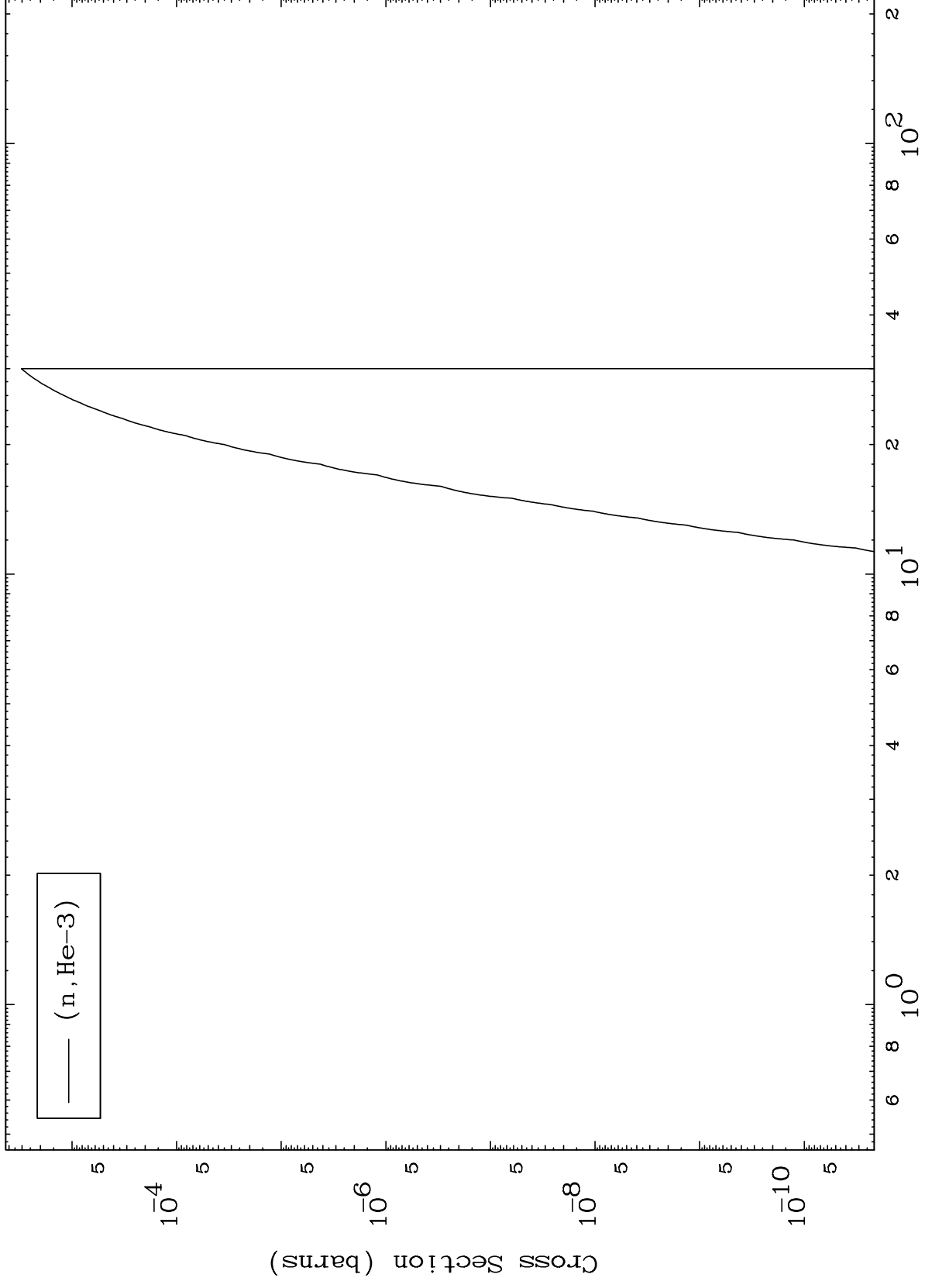
Incident Energy (MeV)

73-Ta-171

MAT 7298

(n,He3) Levels
293 Kelvin Cross Sections

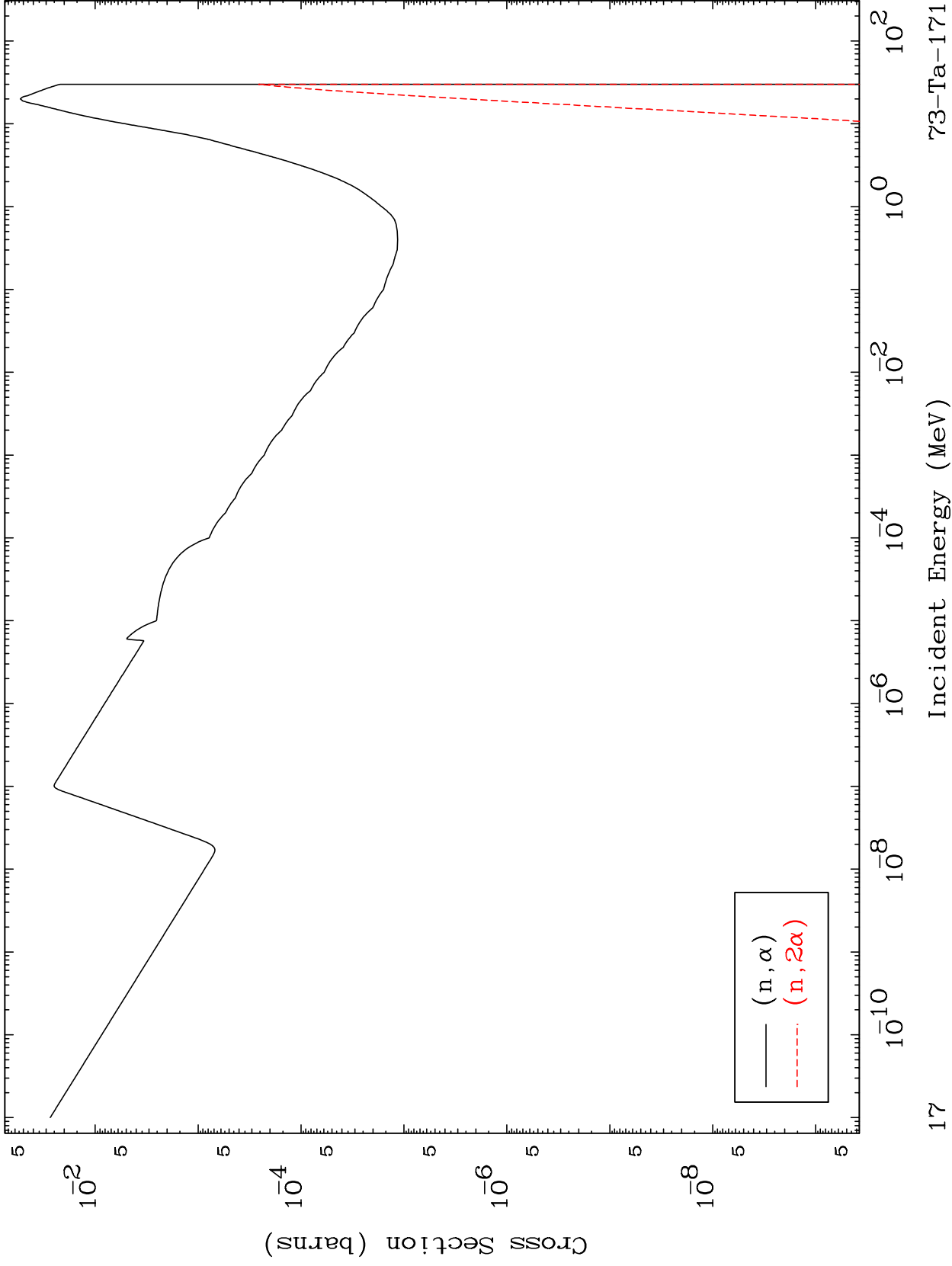
73-Ta-171

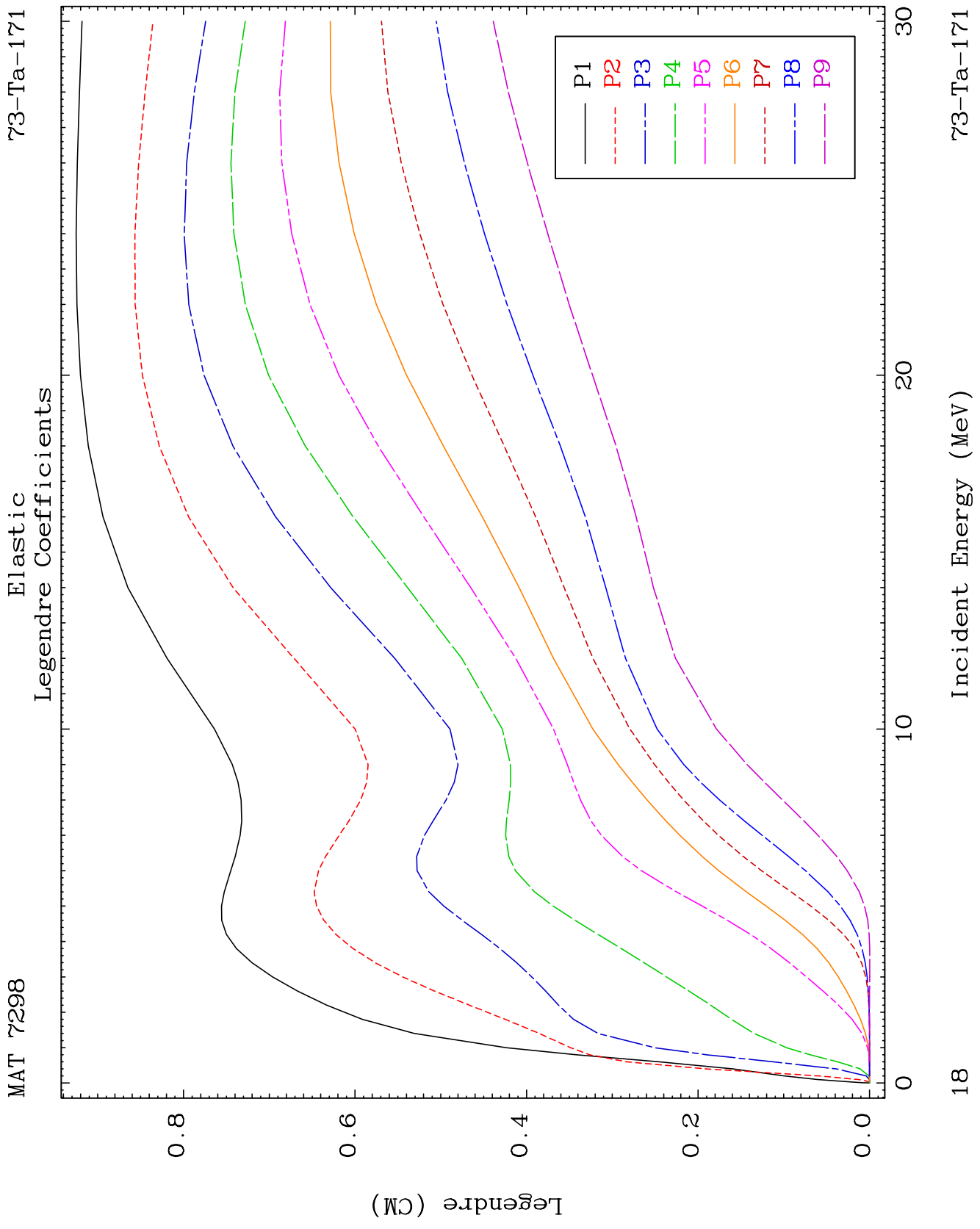


MAT 7298

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-171

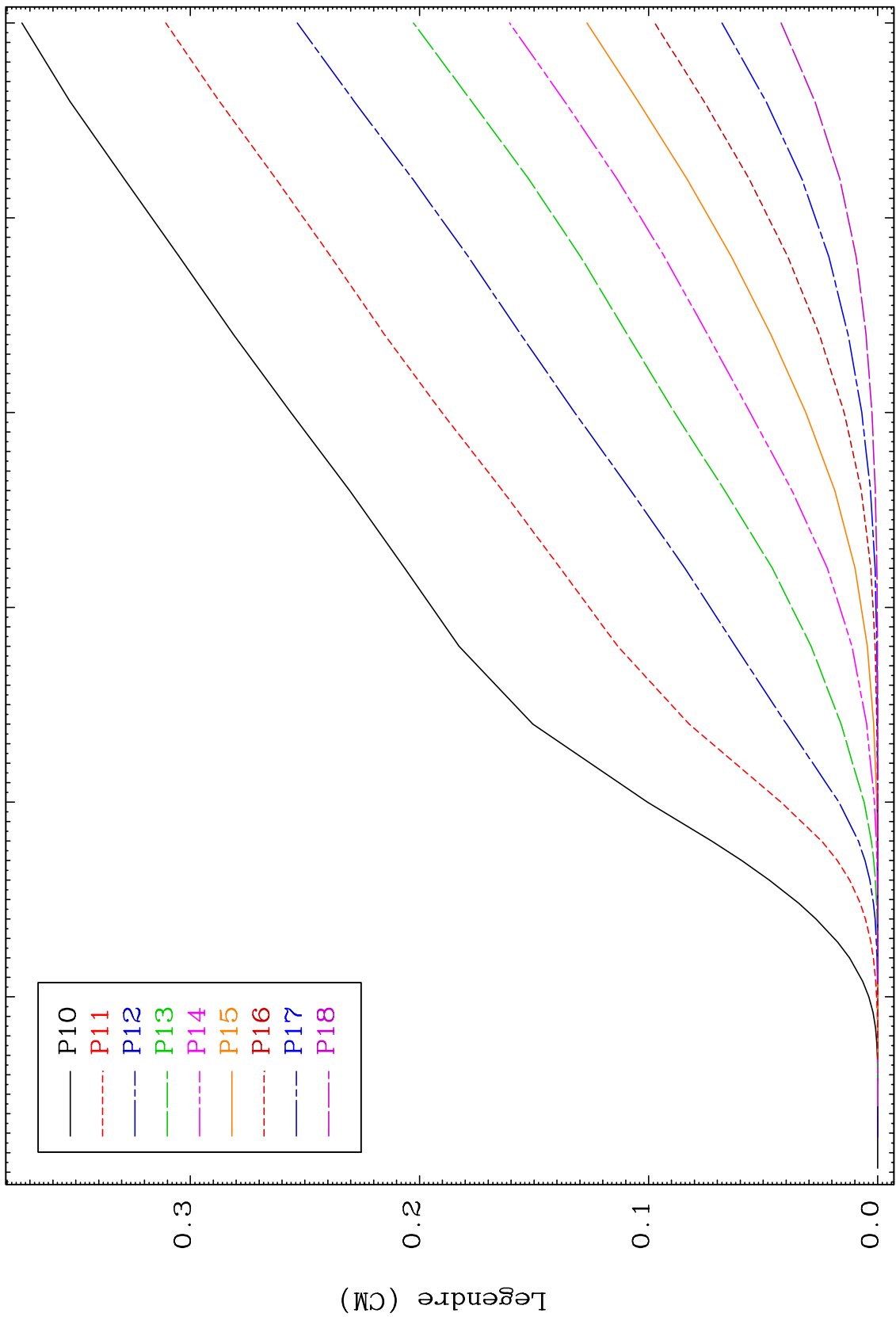




MAT 7298

Elastic Legendre Coefficients

73-Ta-171



19

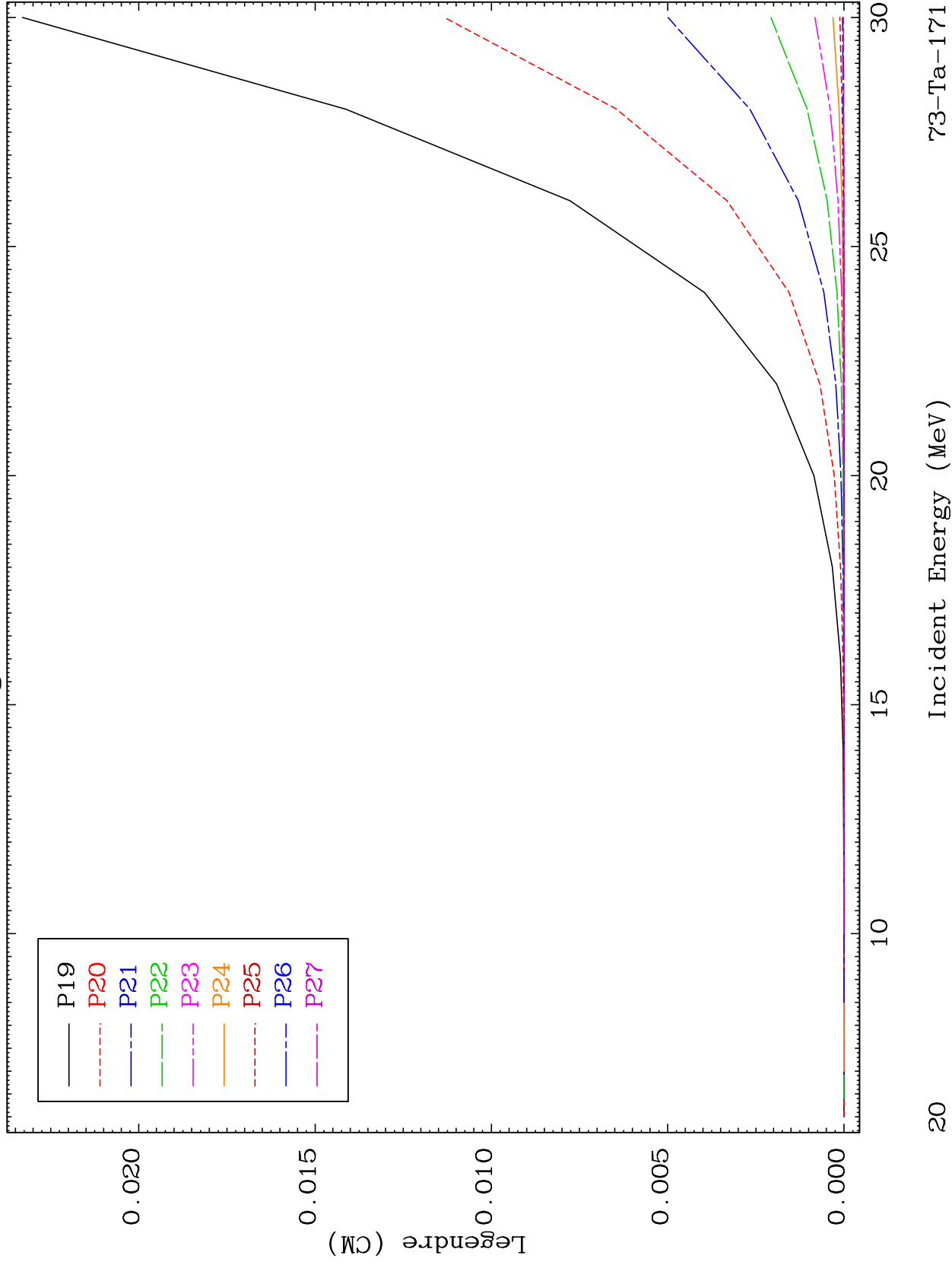
Incident Energy (MeV)

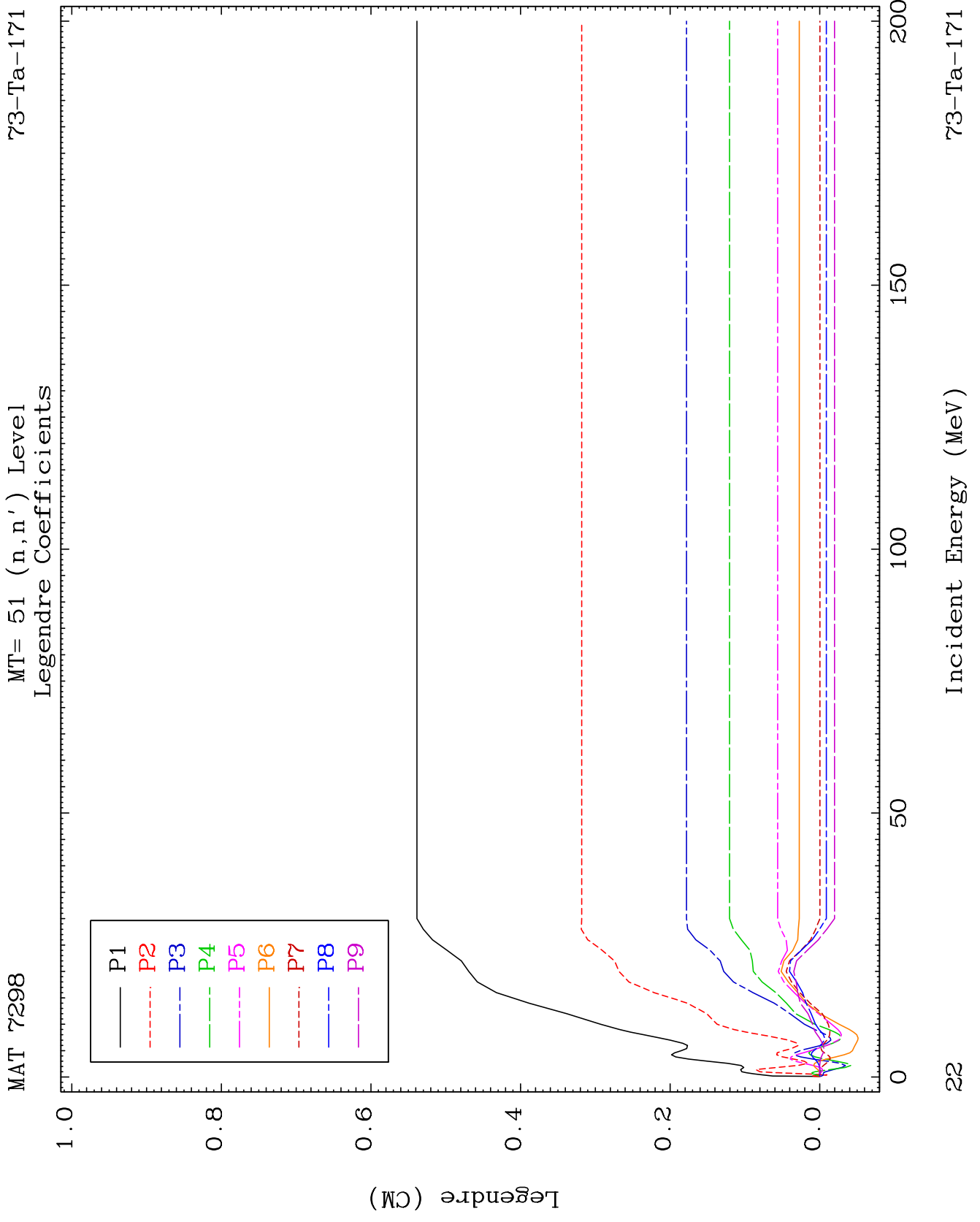
73-Ta-171

MAT 7298

Elastic
Legendre Coefficients

73-Ta-171

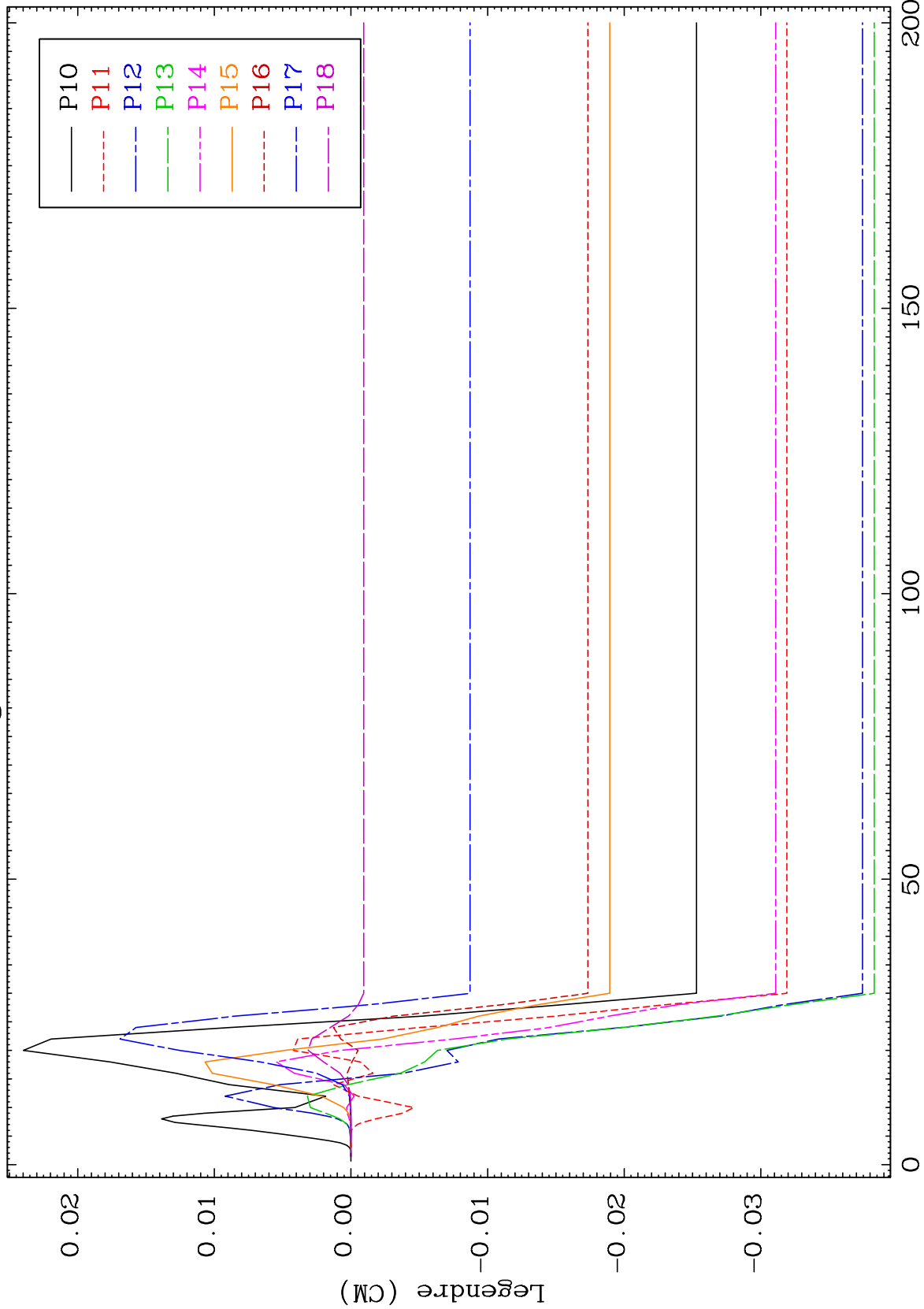




MAT 7298

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

73-Ta-171



23

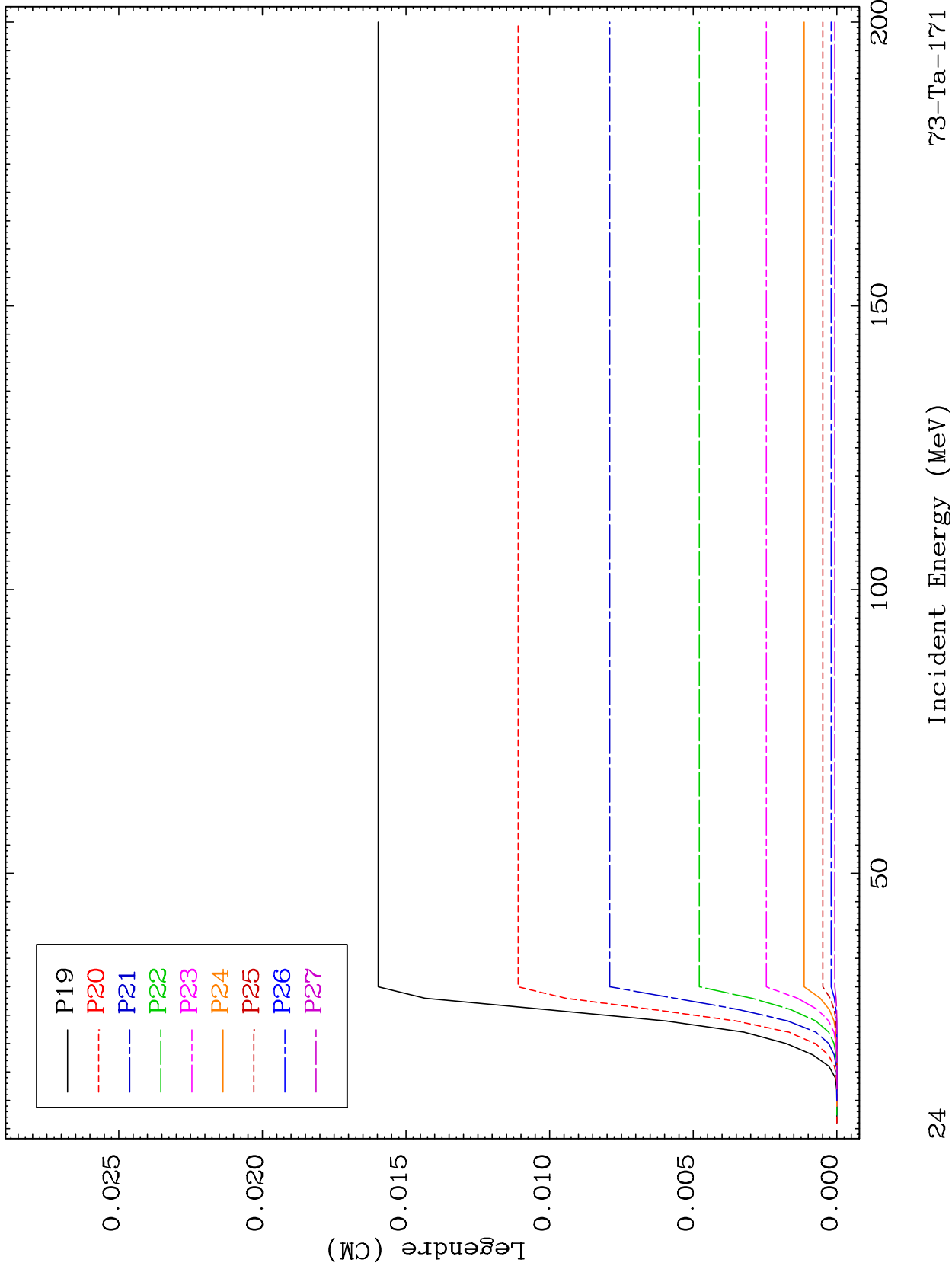
Incident Energy (MeV)

73-Ta-171

MAT 7298

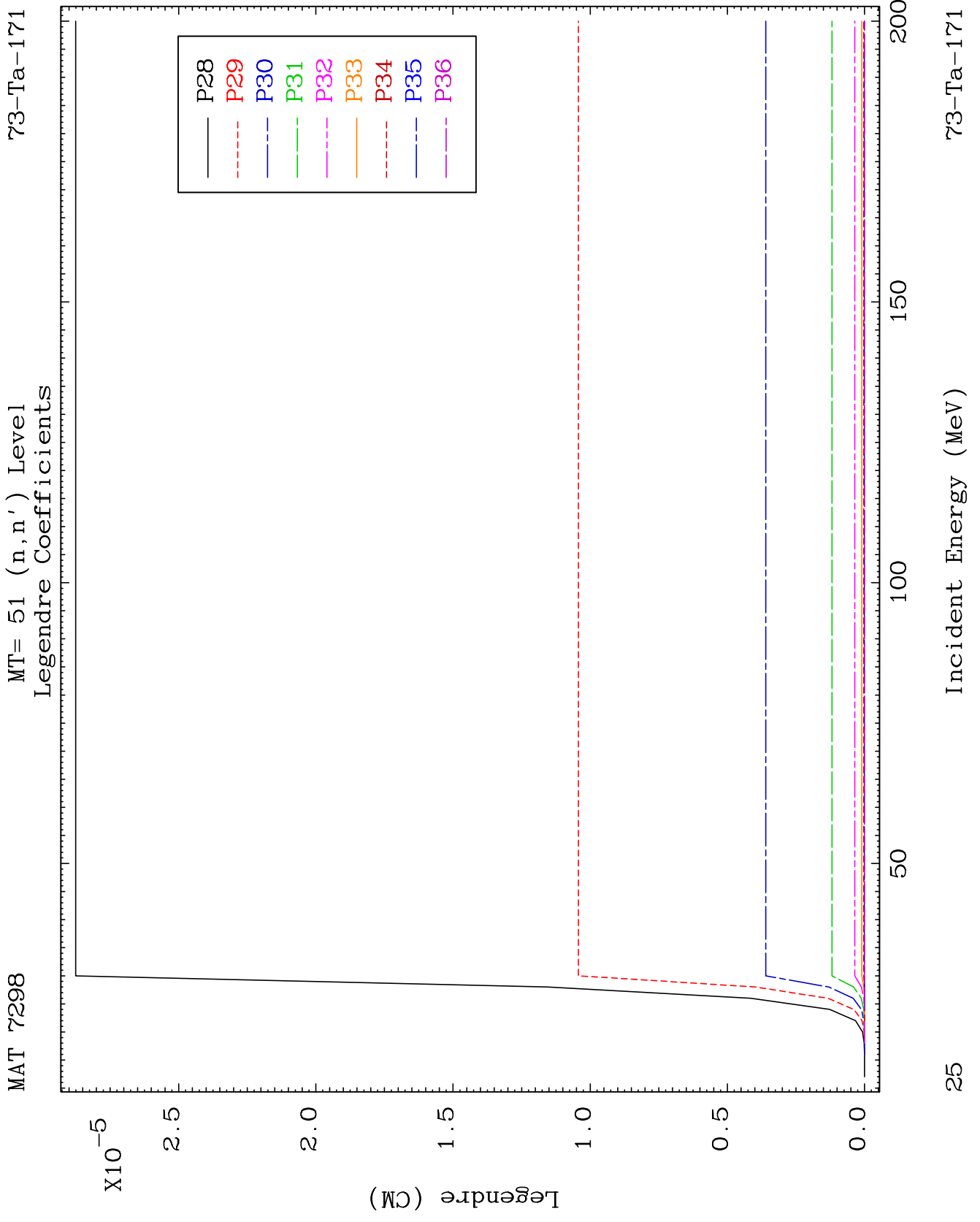
MT= 51 (n,n') Level
Legendre Coefficients

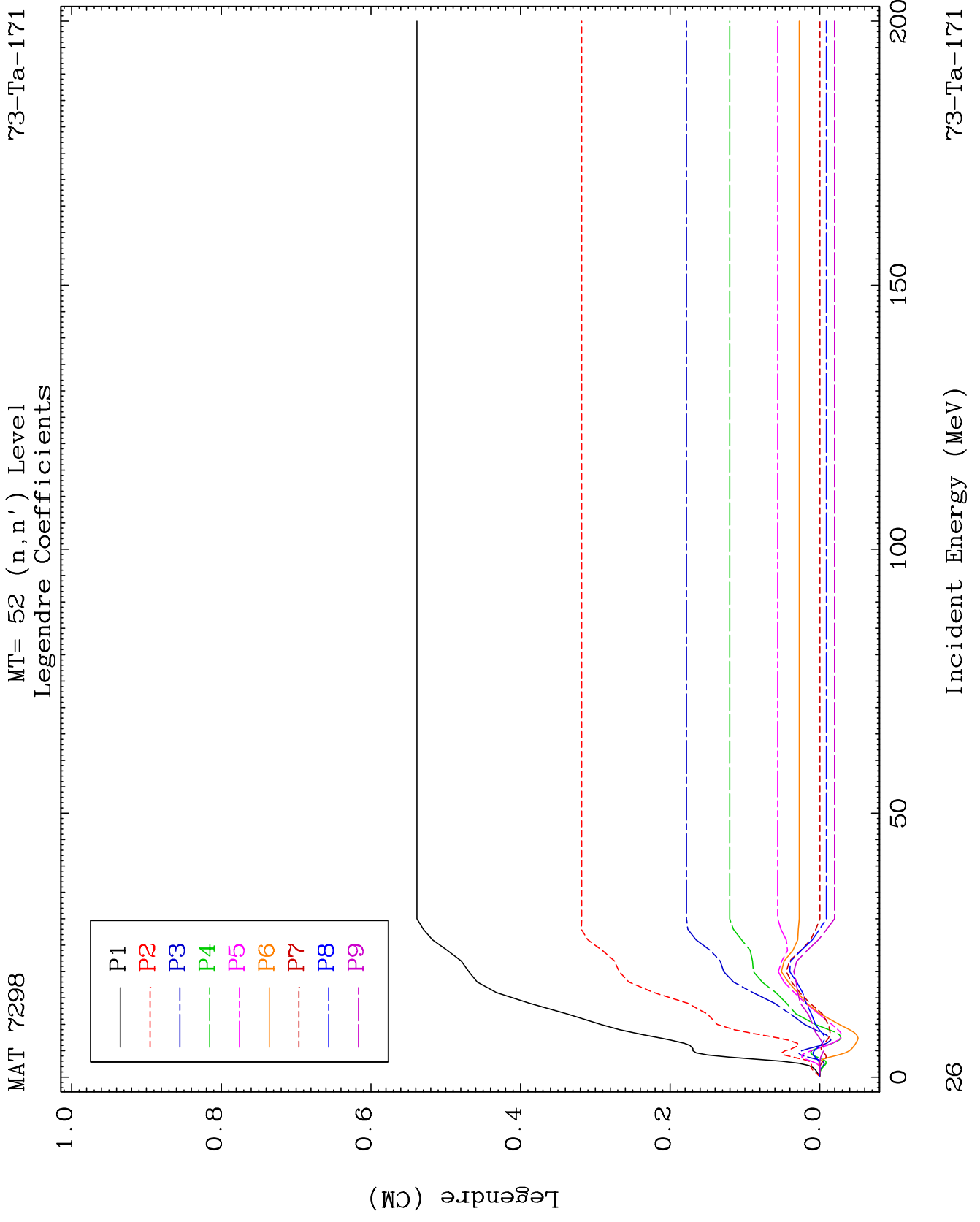
73-Ta-171



24

73-Ta-171

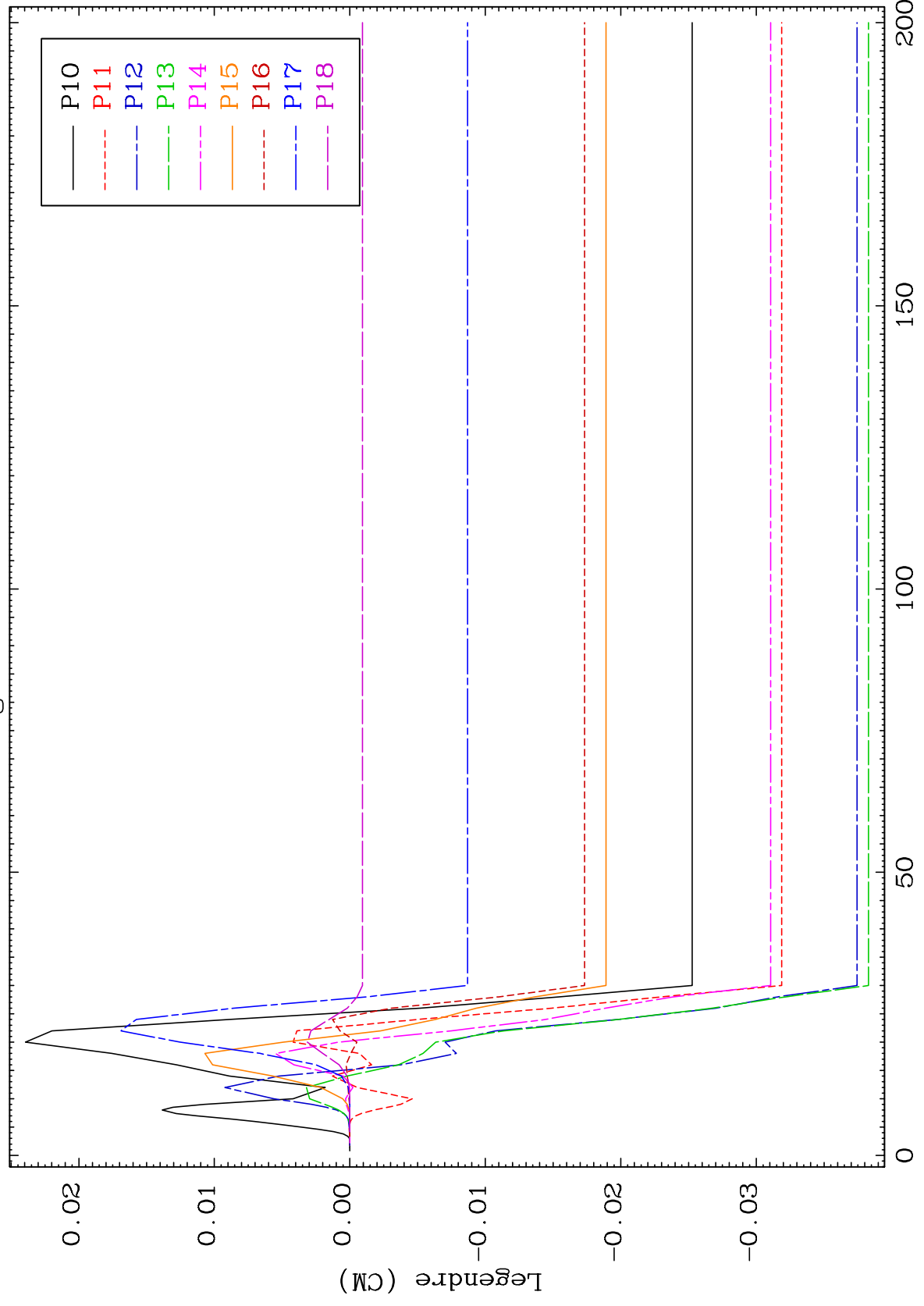




MAT 7298

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

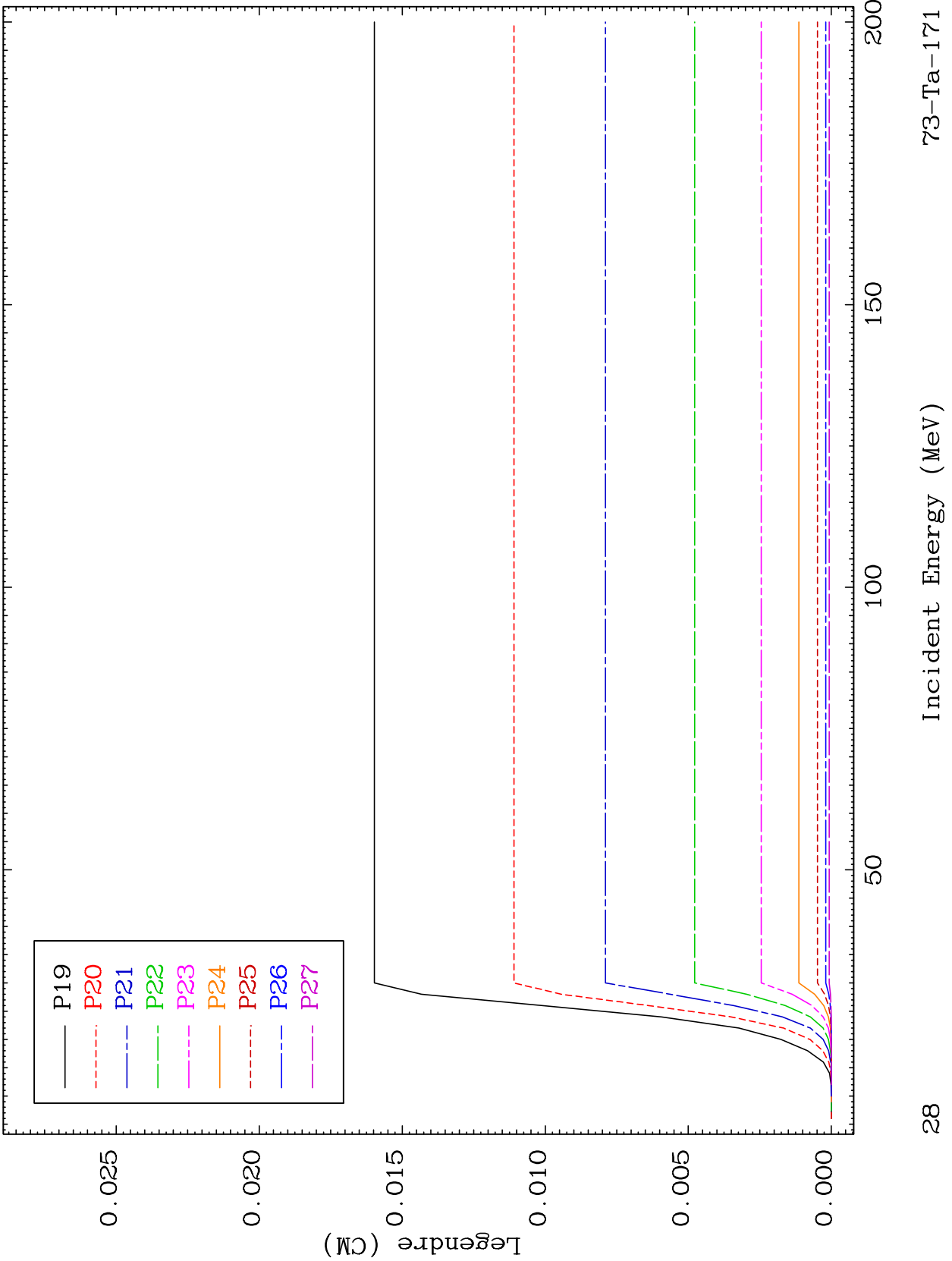
73-Ta-171

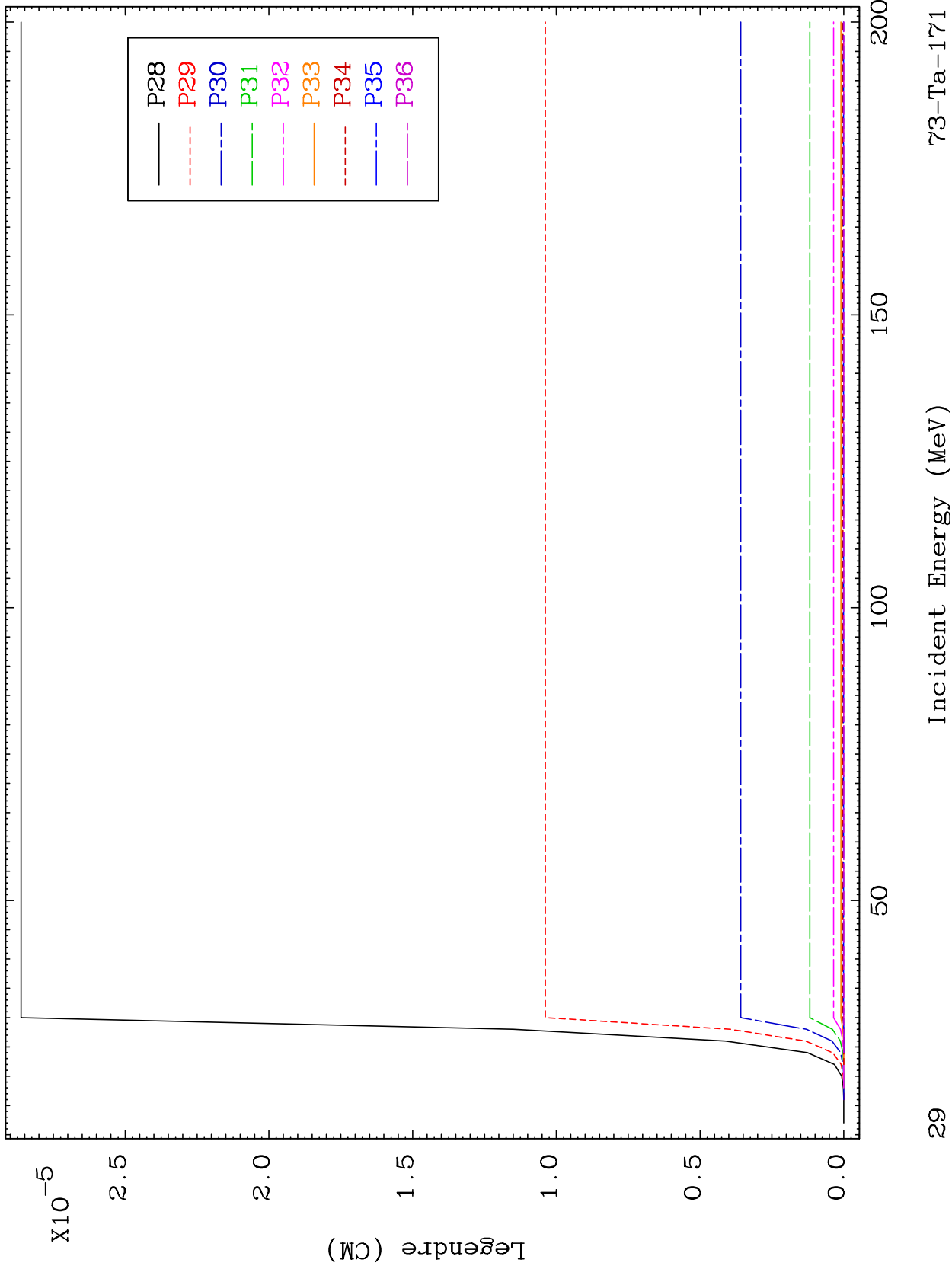


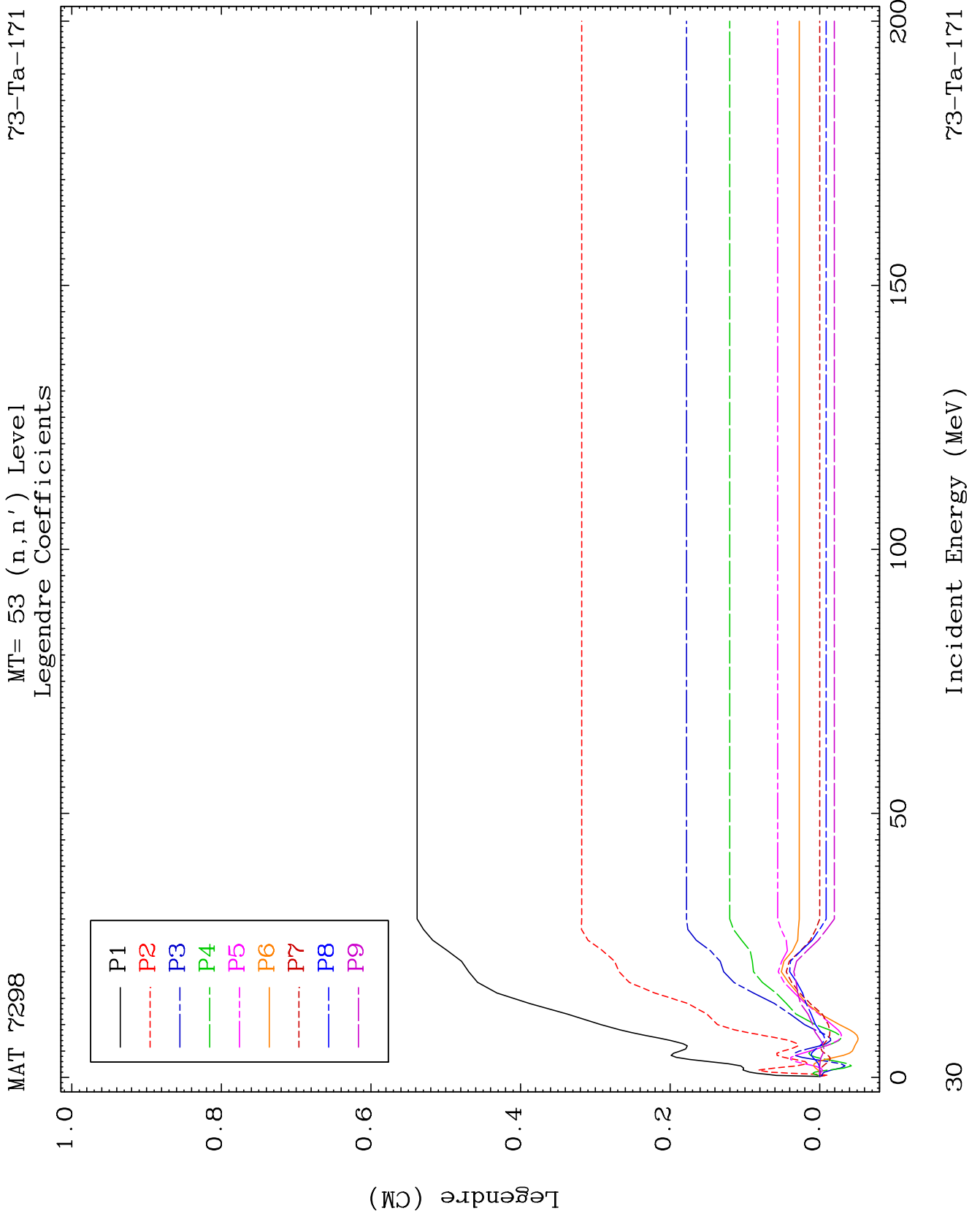
27

Incident Energy (MeV)

73-Ta-171



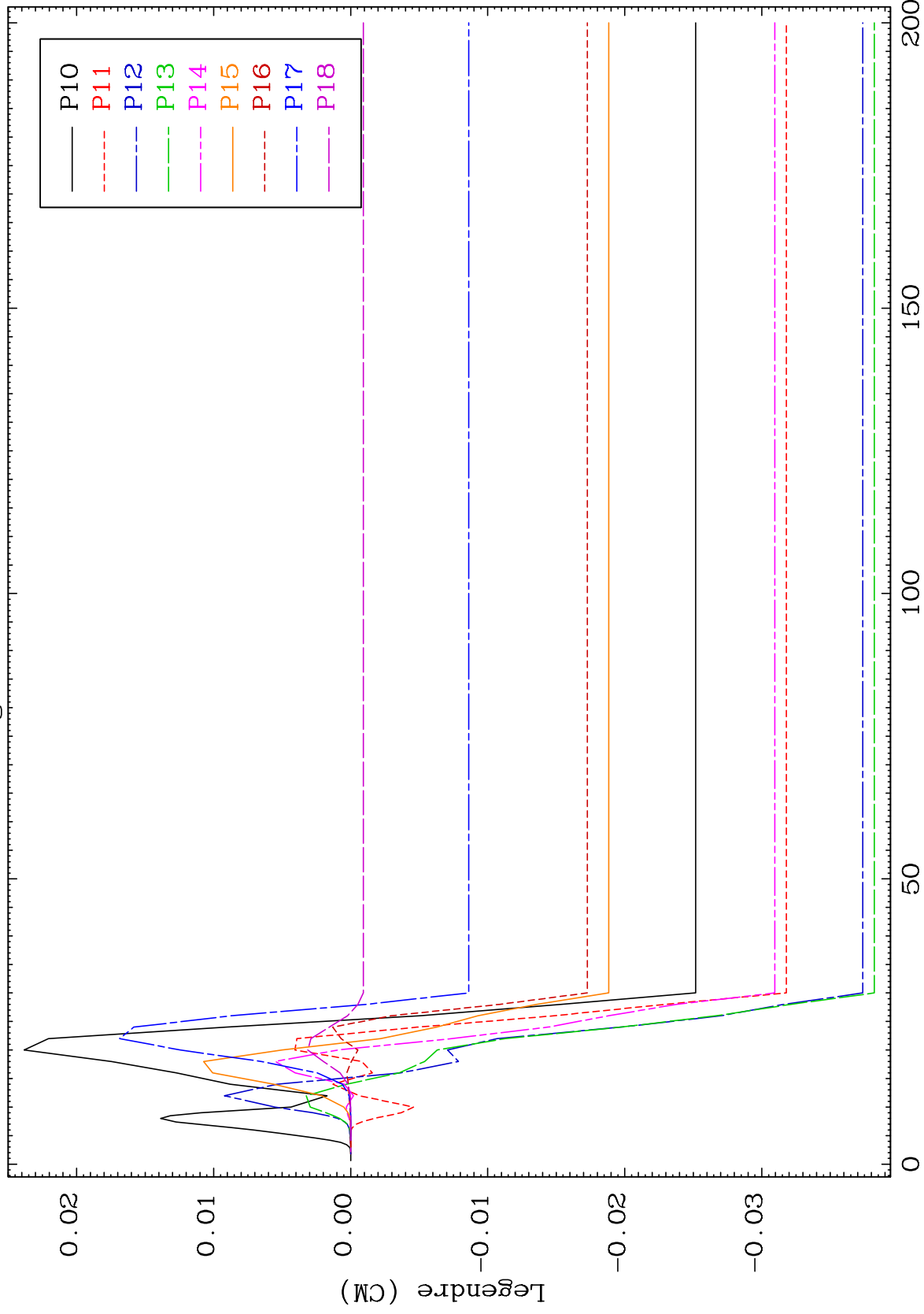




MAT 7298

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

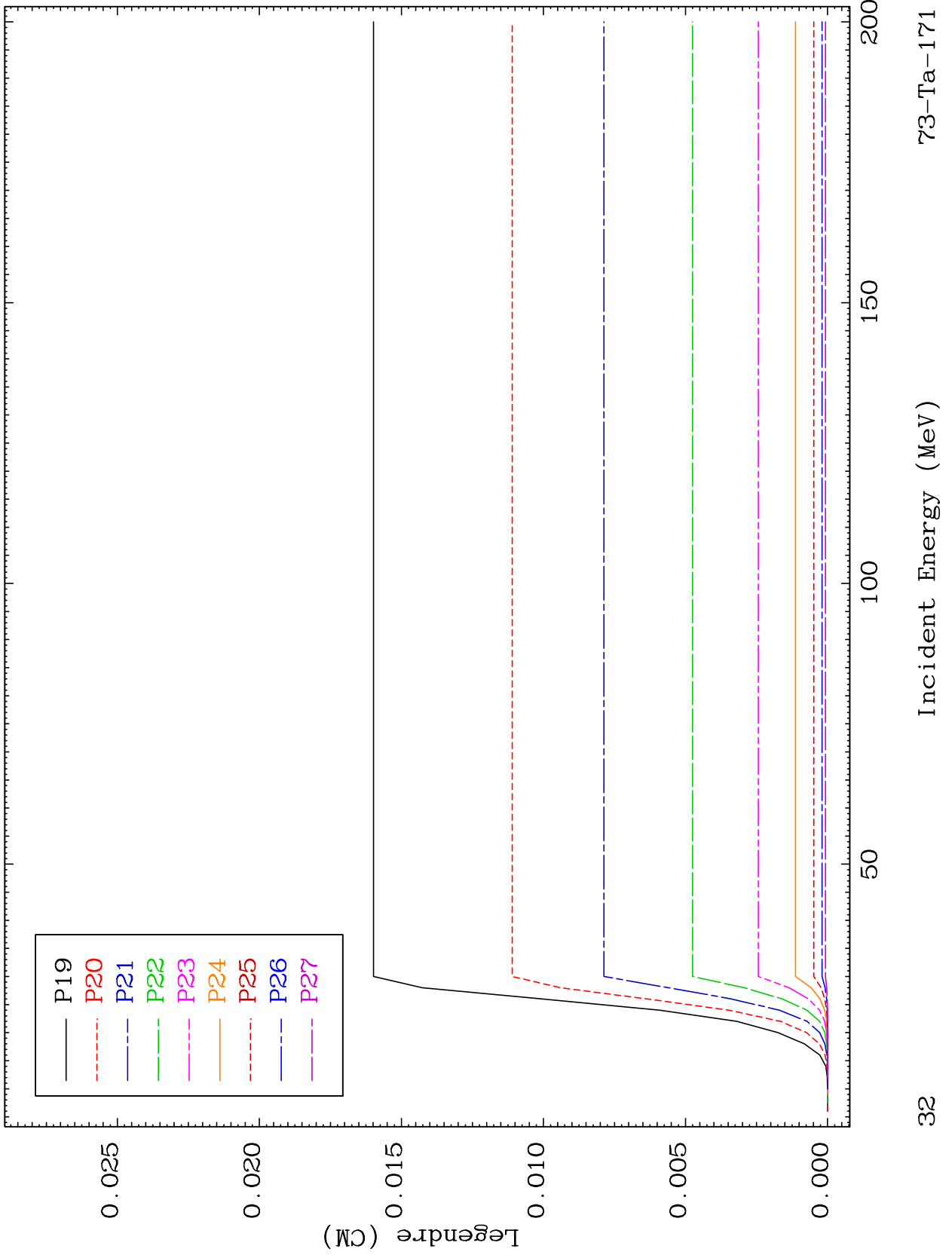
73-Ta-171



31

Incident Energy (MeV)

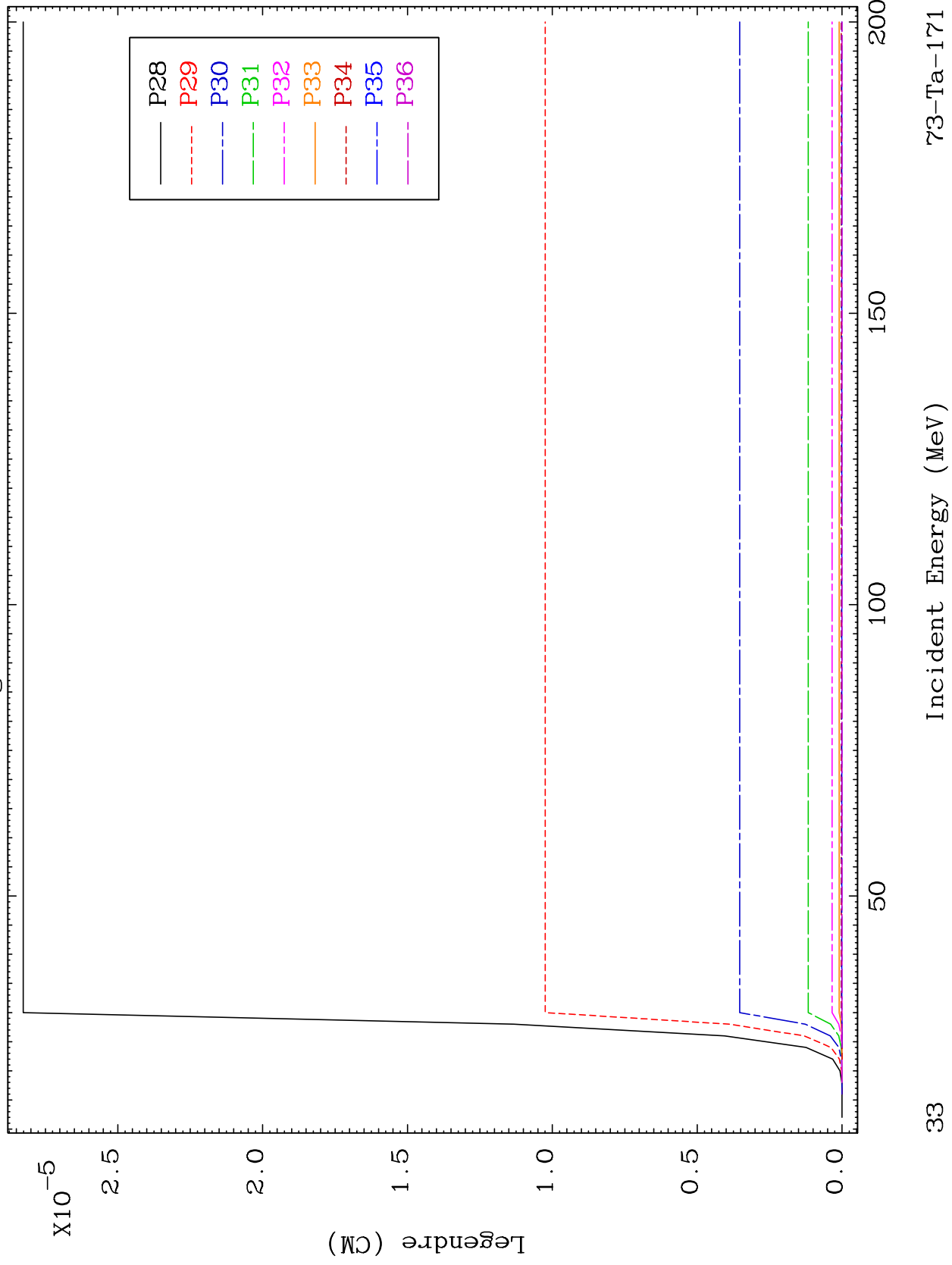
73-Ta-171



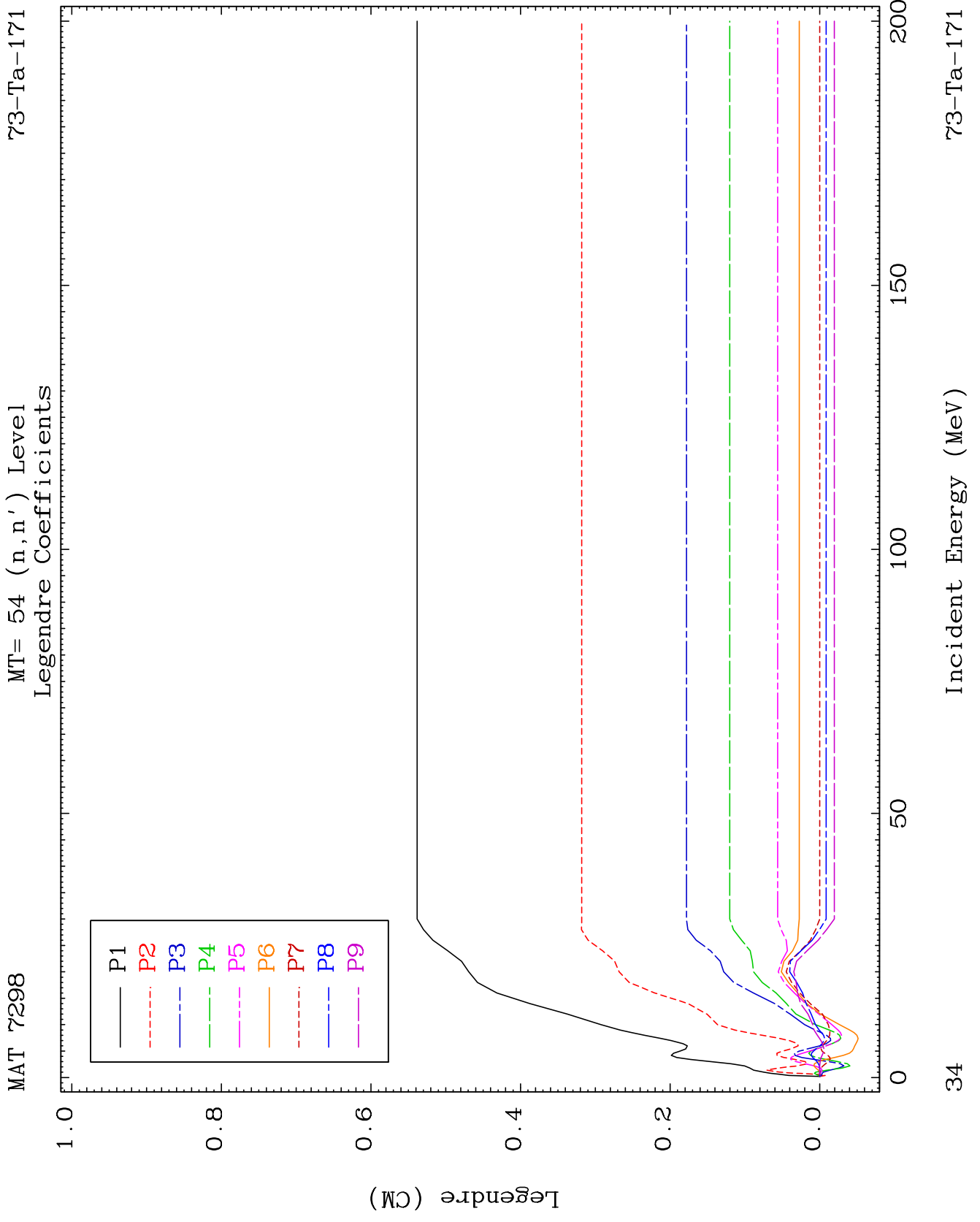
MAT 7298

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

73-Ta-171



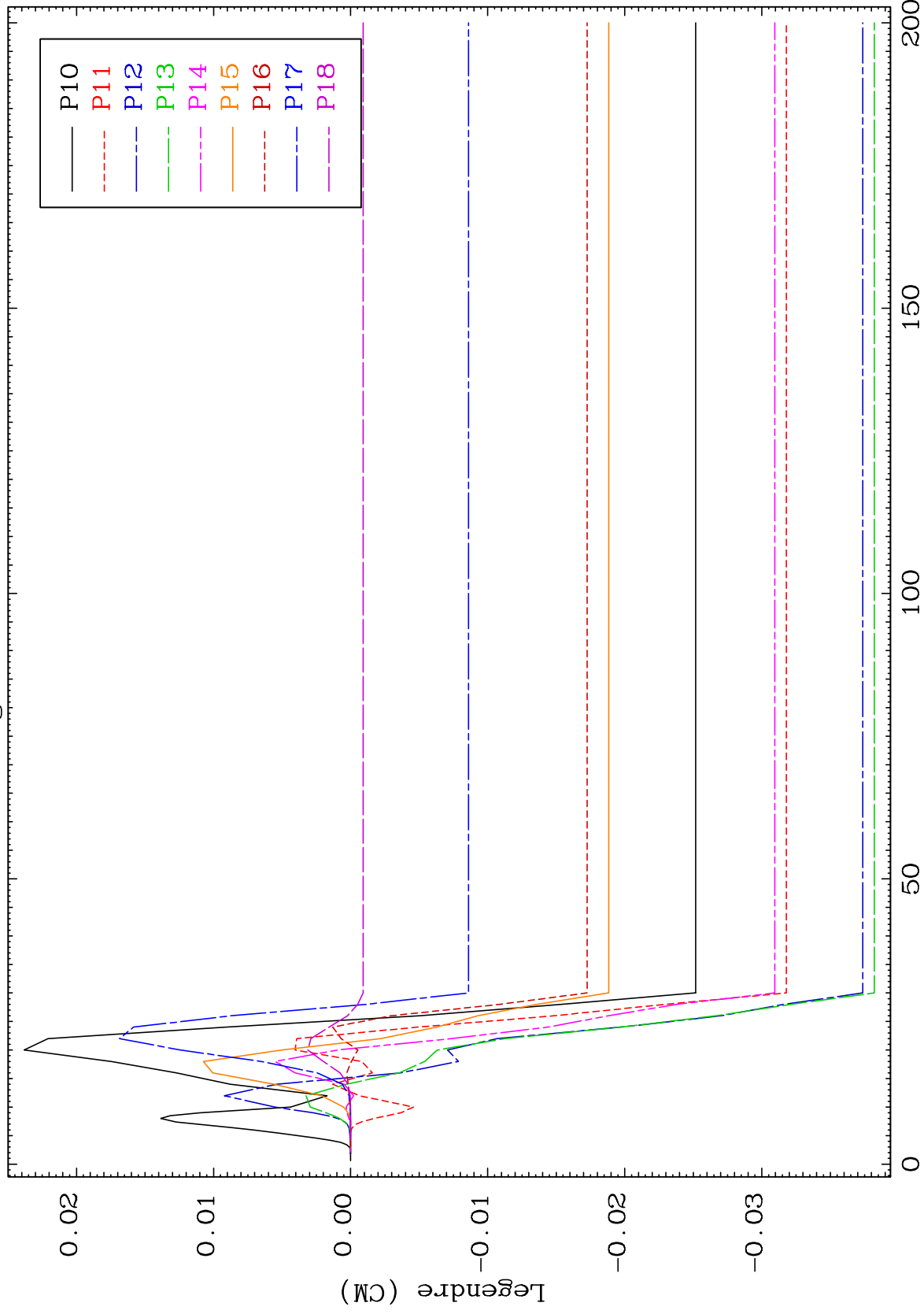
33



MAT 7298

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

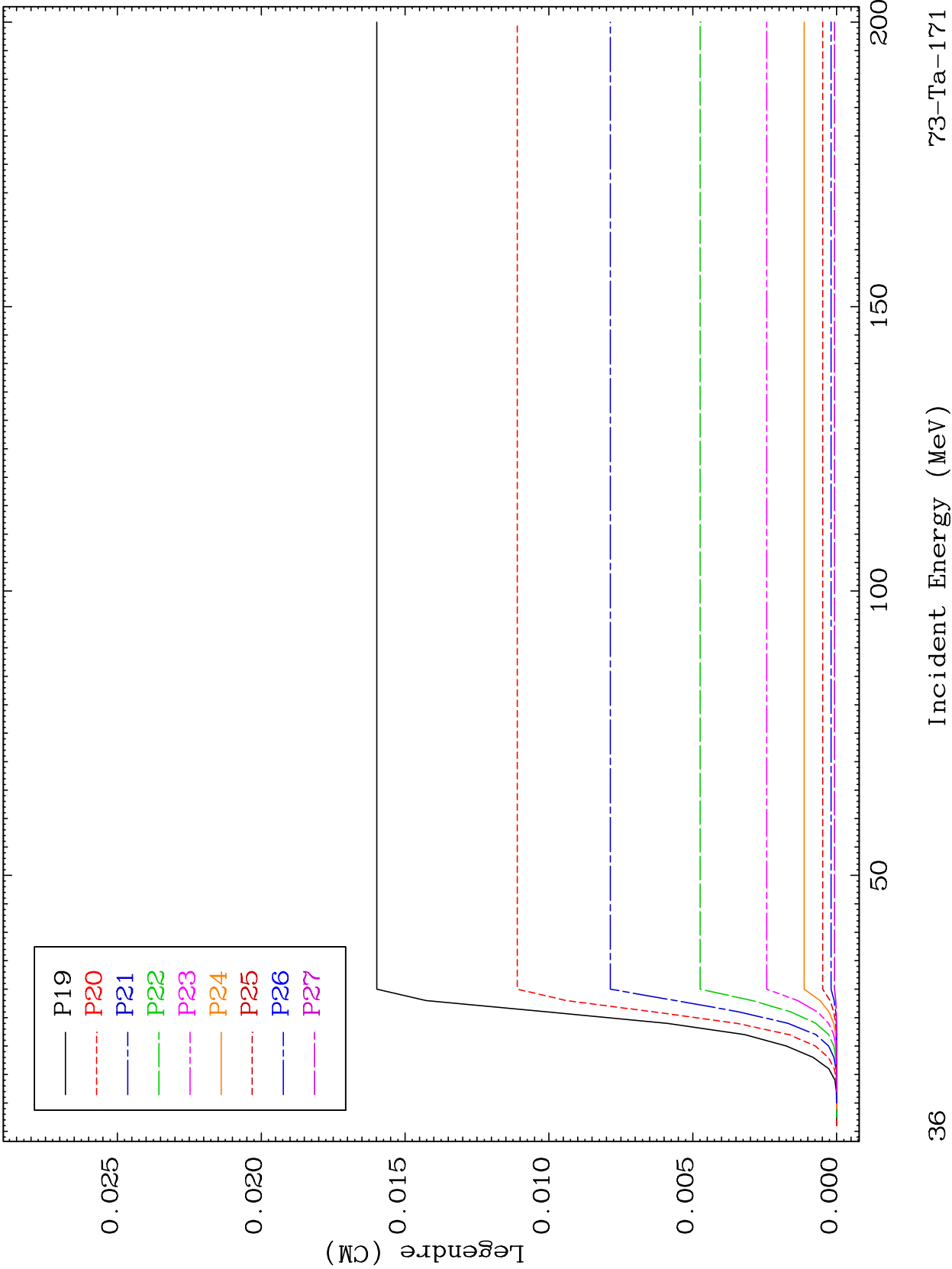
73-Ta-171



35

Incident Energy (MeV)

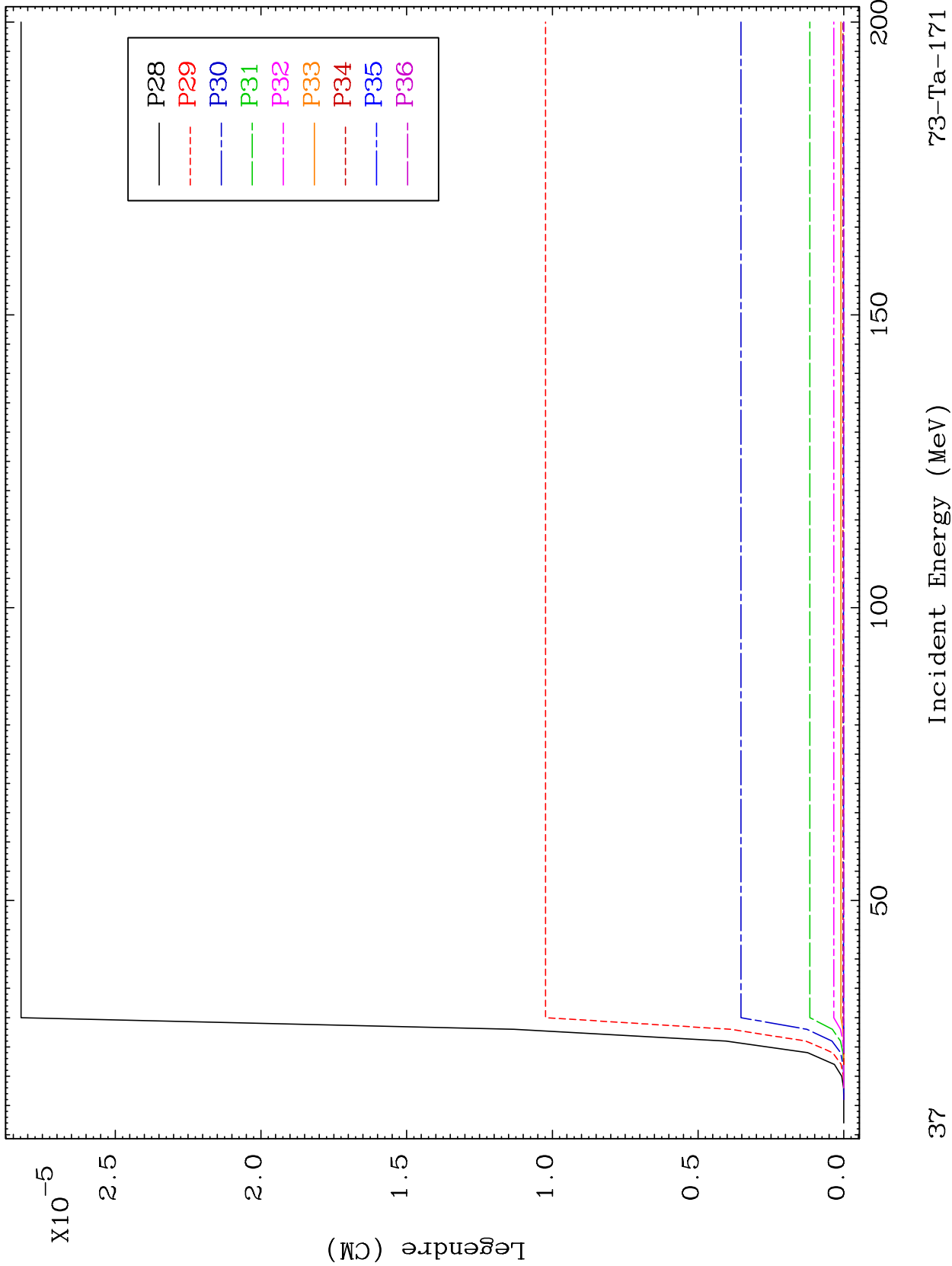
73-Ta-171

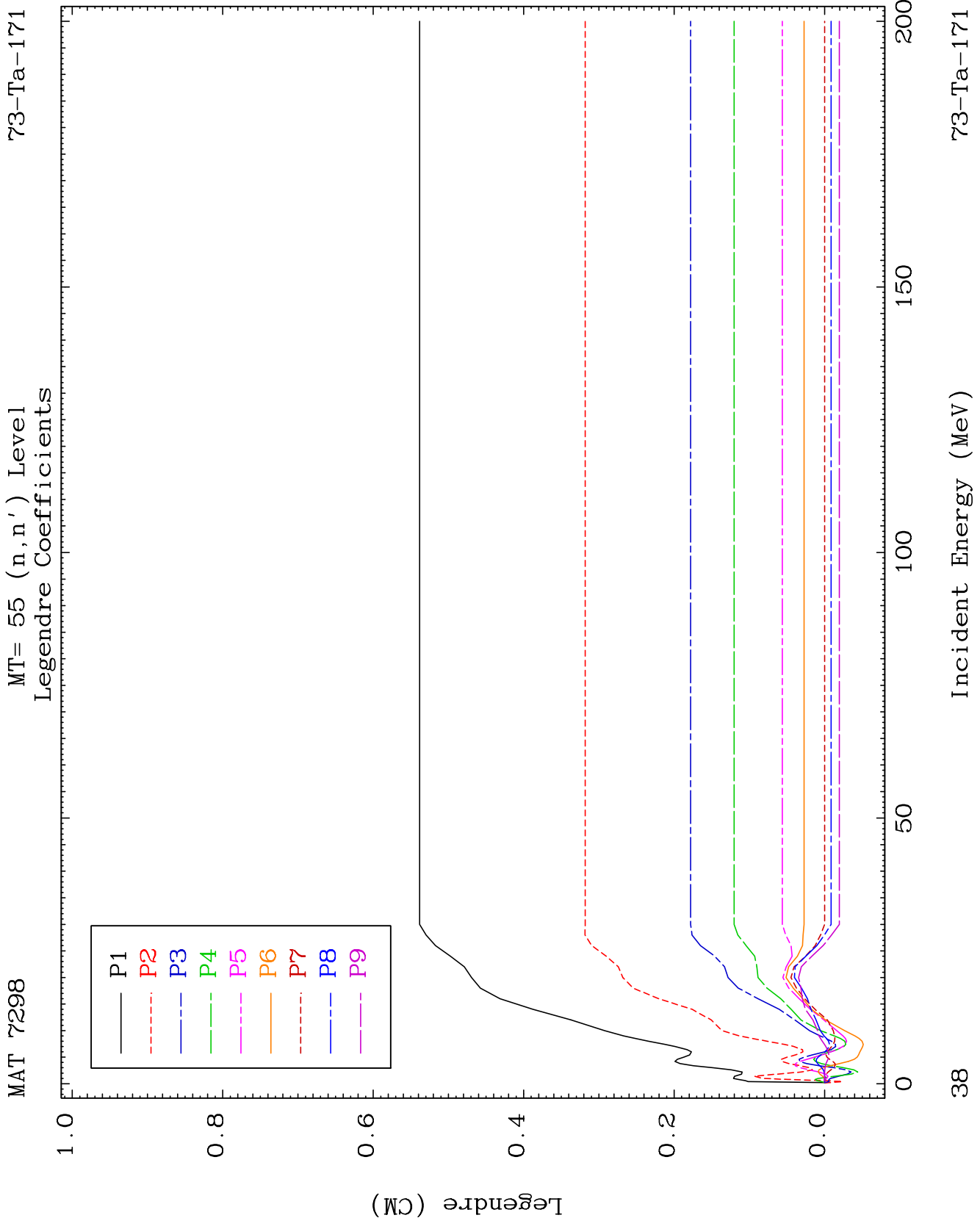


MAT 7298

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

73-Ta-171

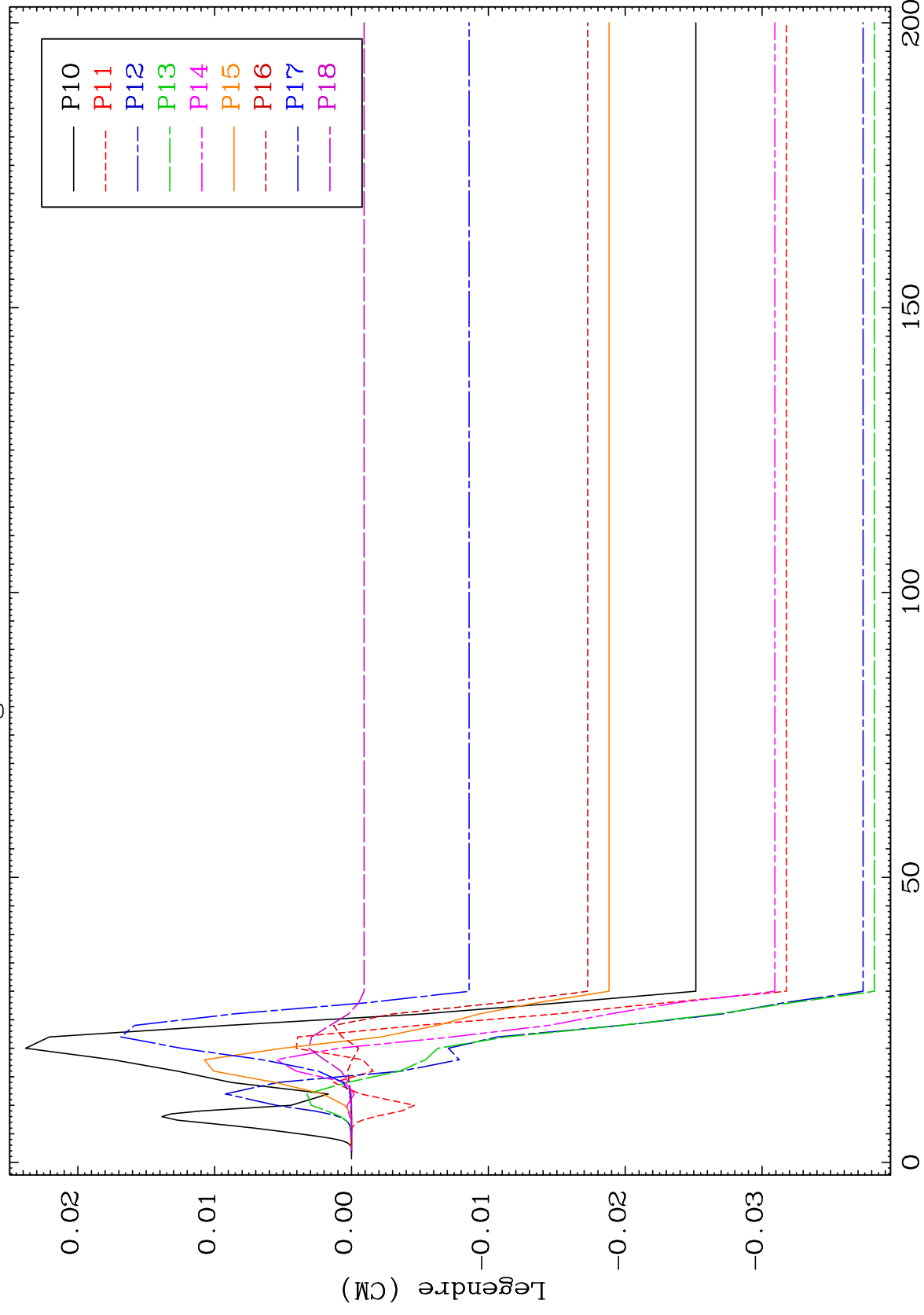




MAT 7298

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

73-Ta-171



39

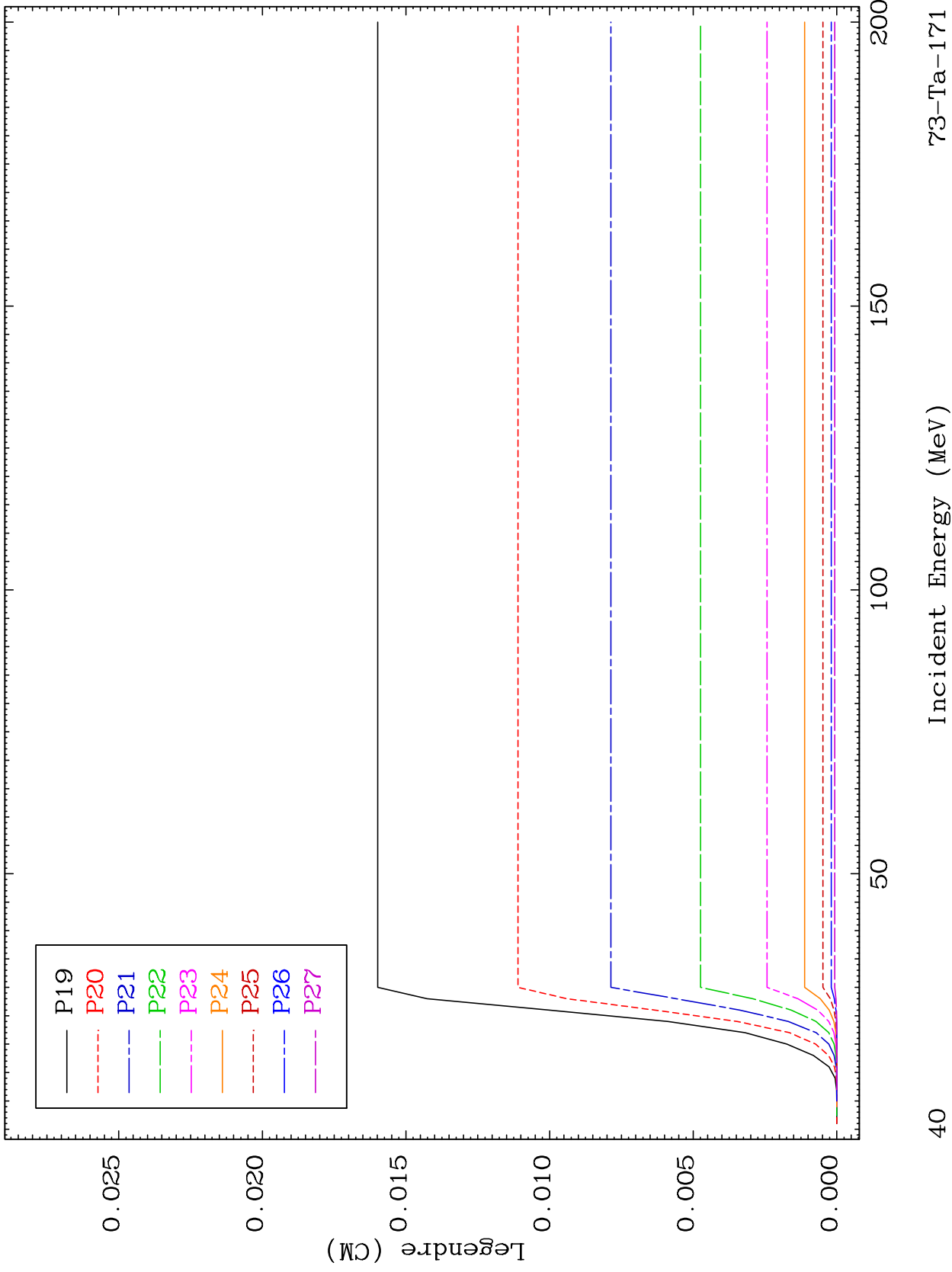
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



40

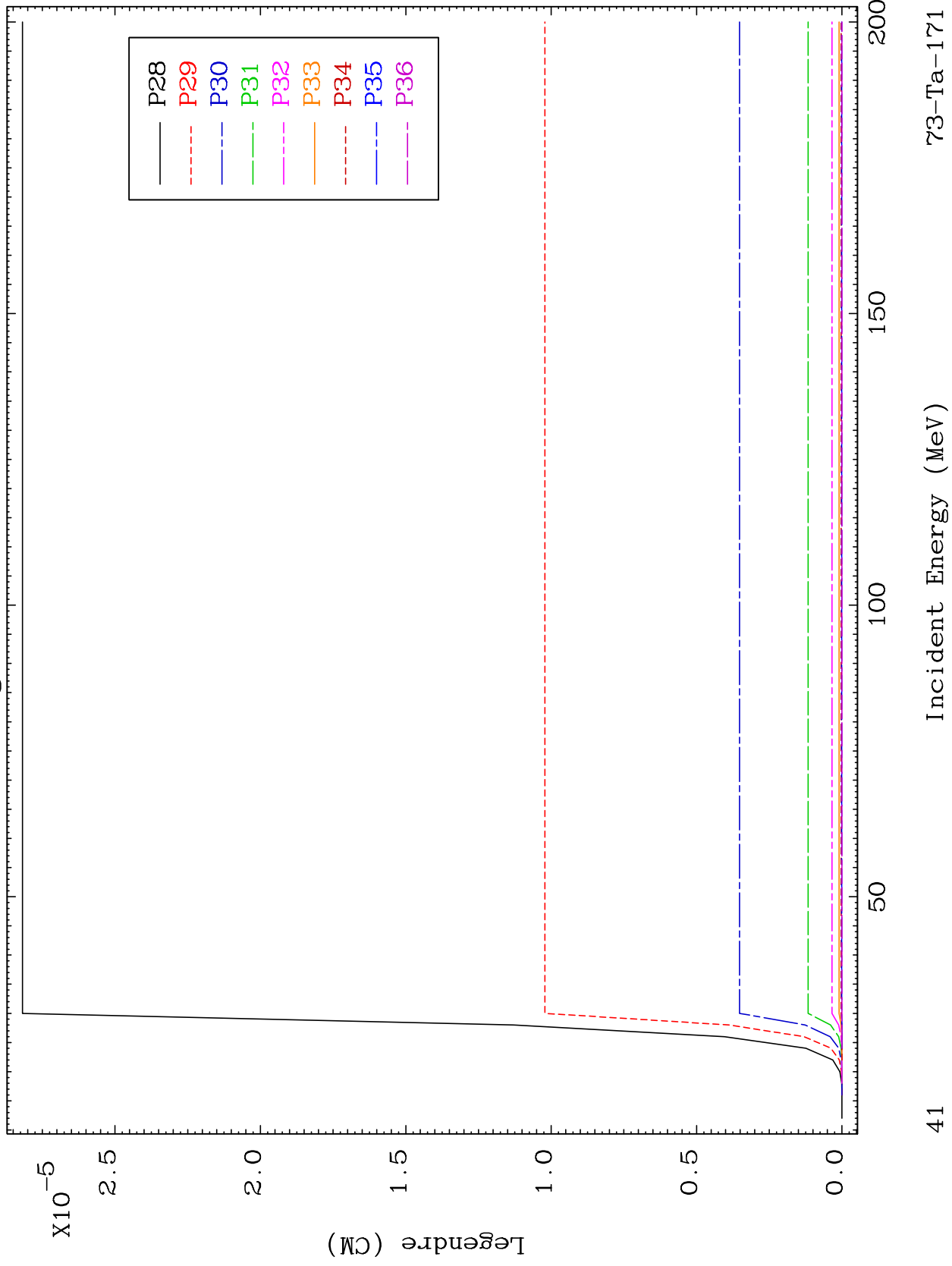
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



41

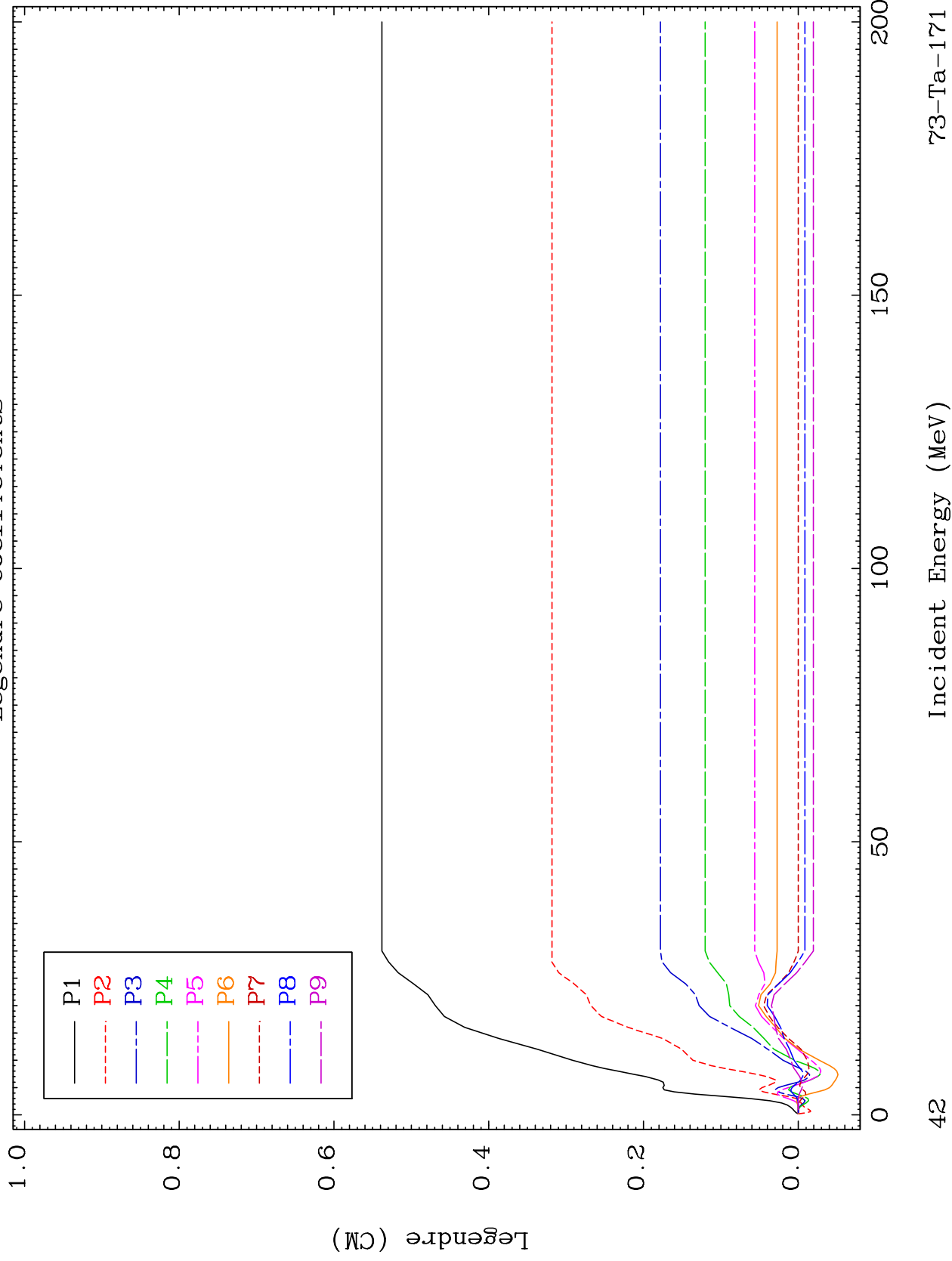
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

⁷³Ta-171



⁷³Ta-171

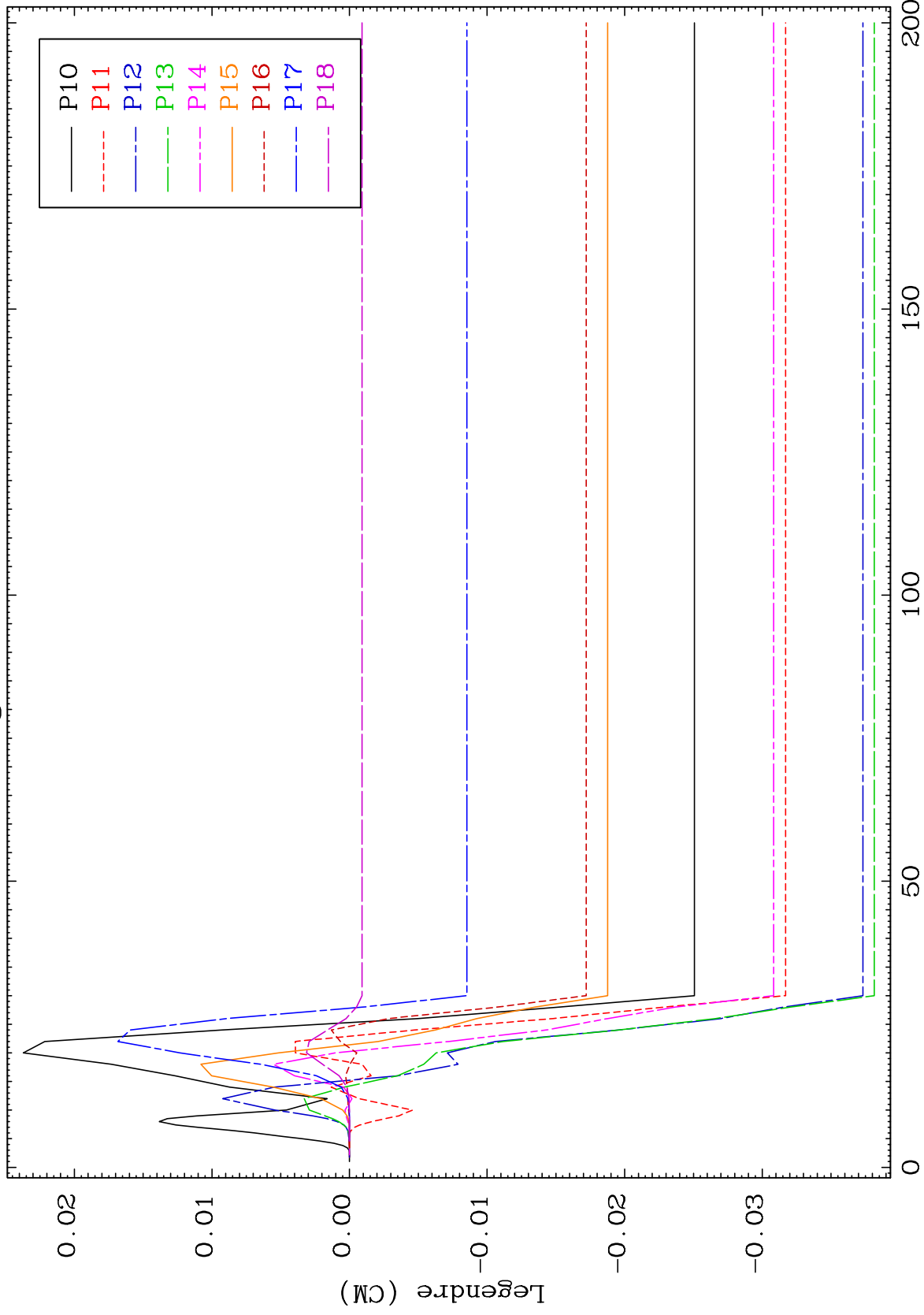
Incident Energy (MeV)

42

MAT 7298

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

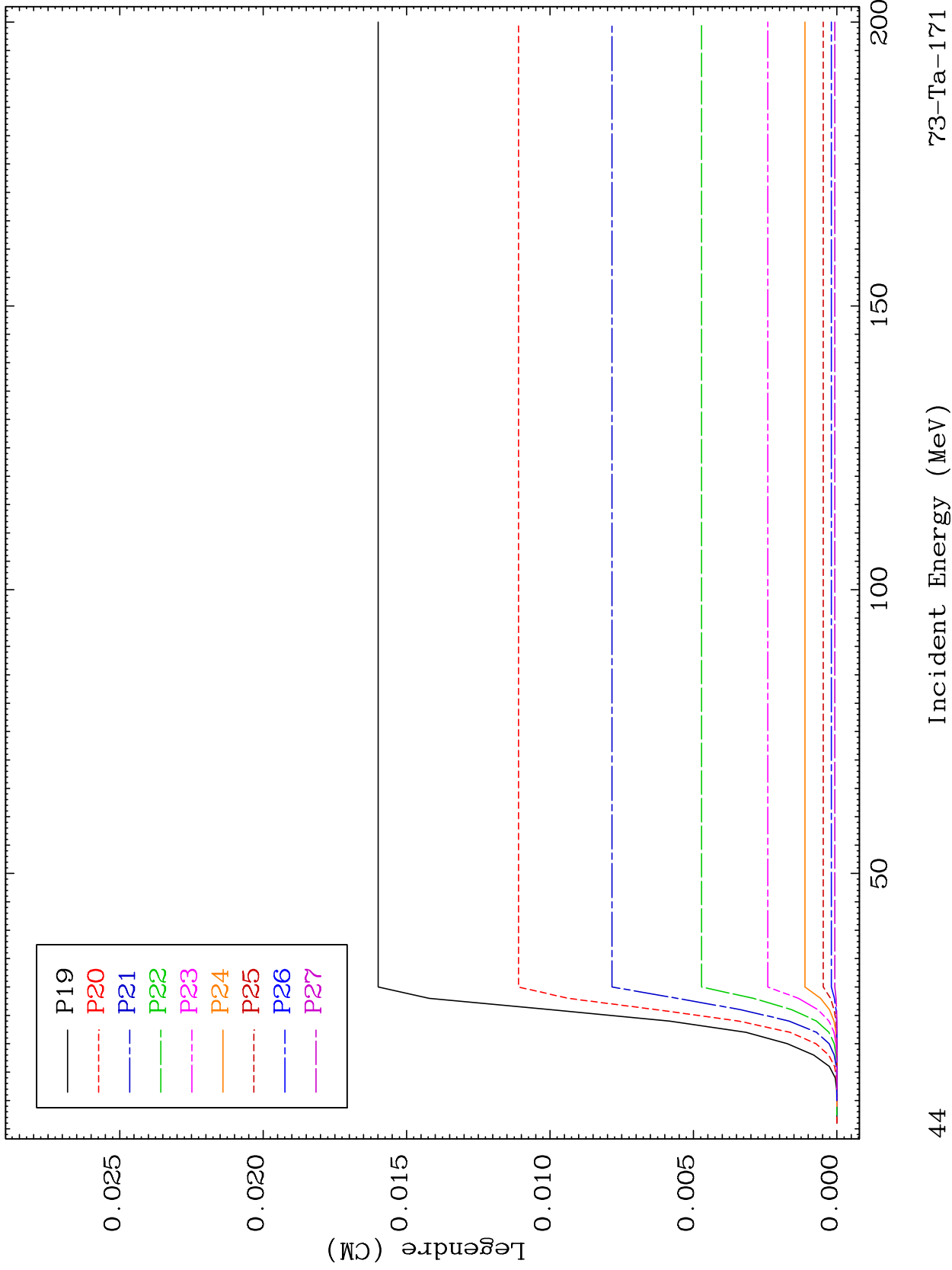
73-Ta-171

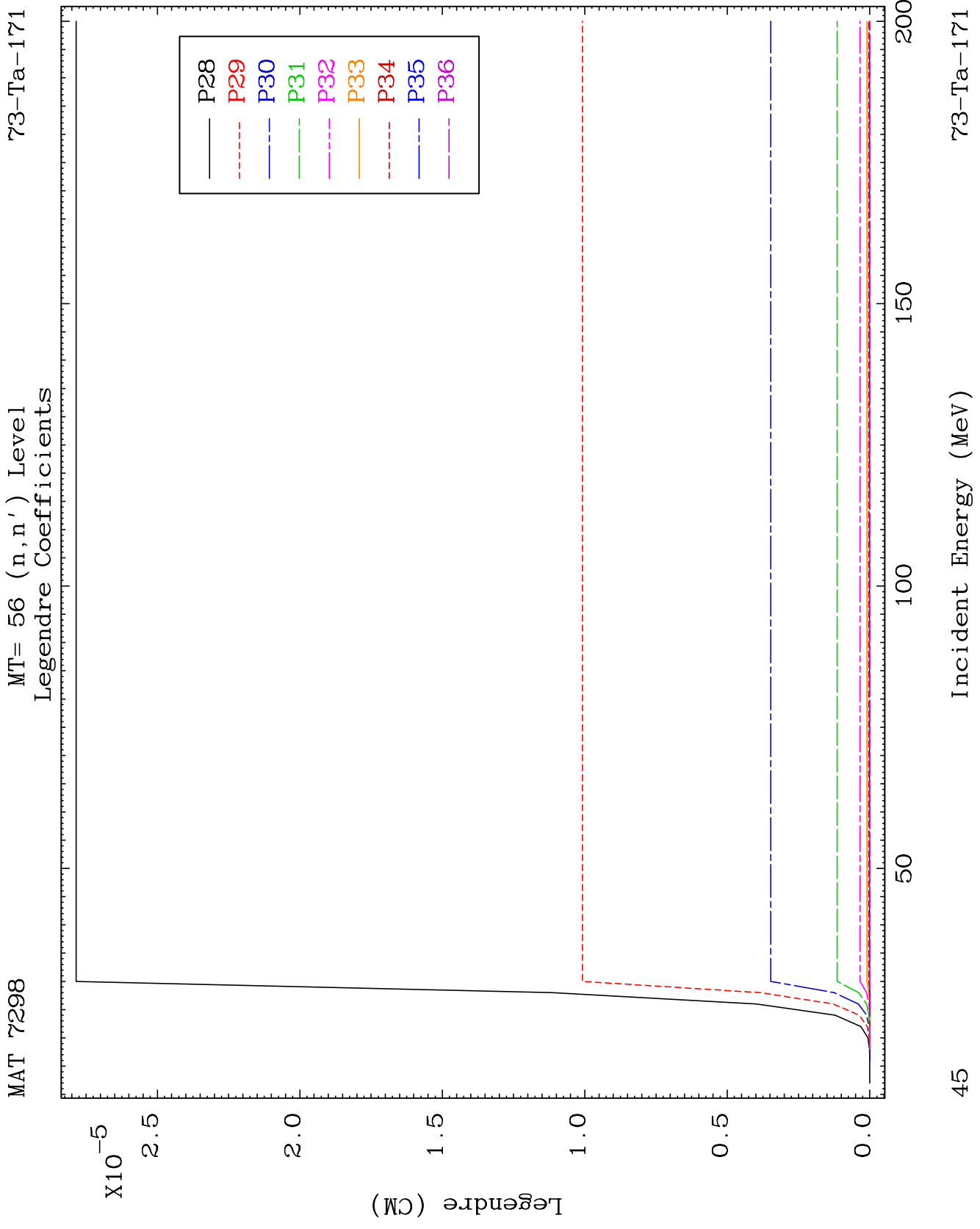


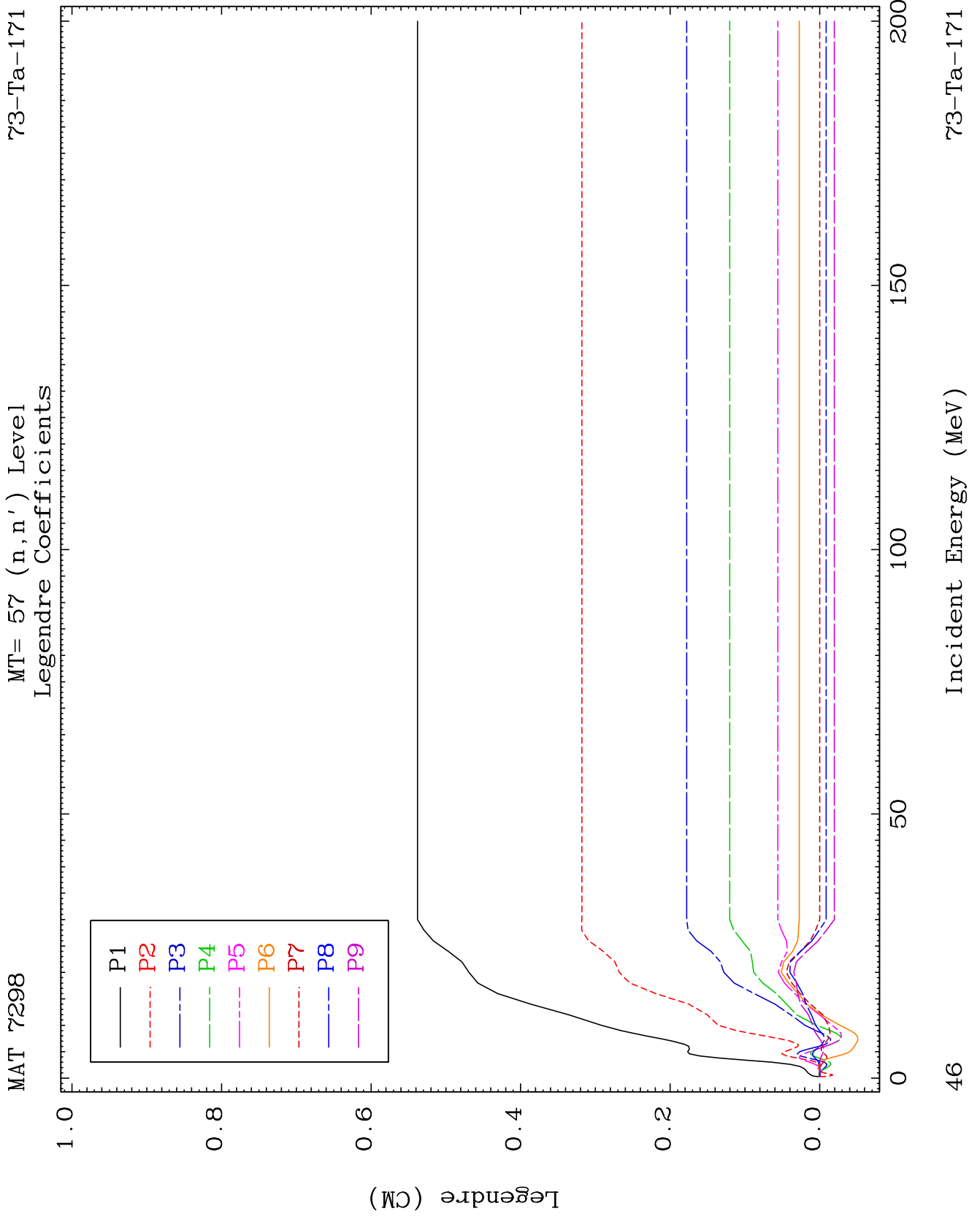
43

Incident Energy (MeV)

73-Ta-171



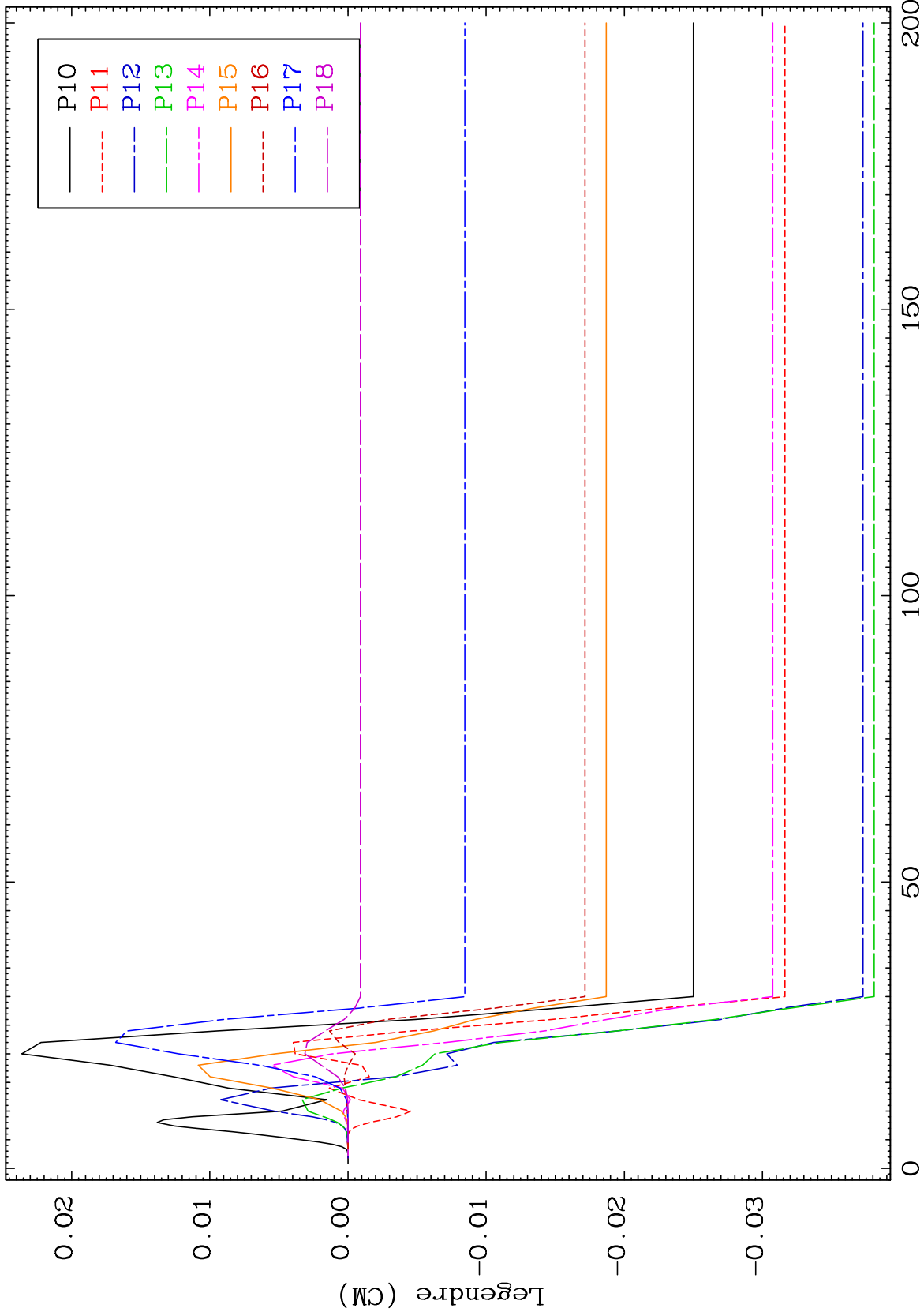




MAT 7298

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

73-Ta-171



47

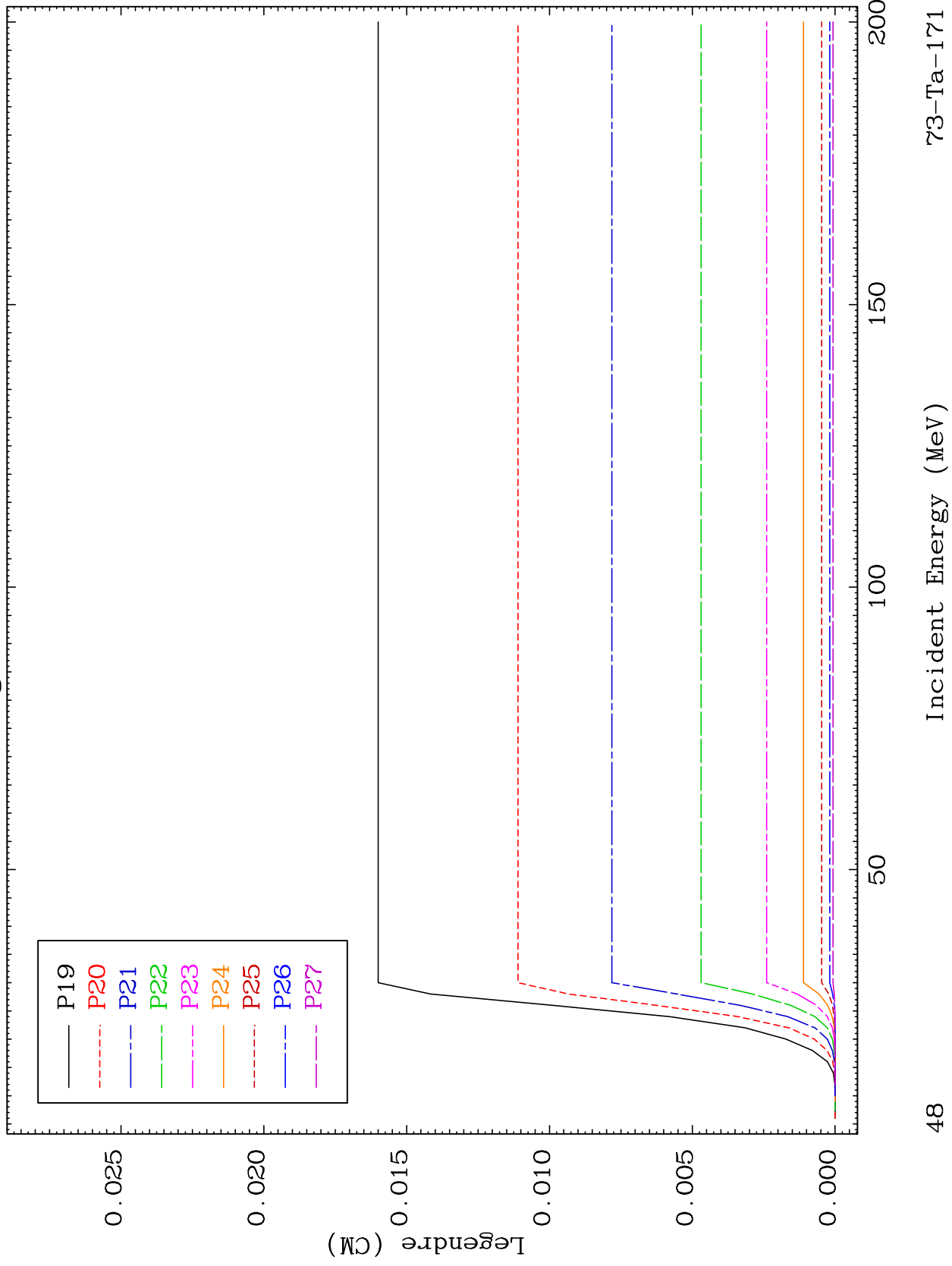
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



48

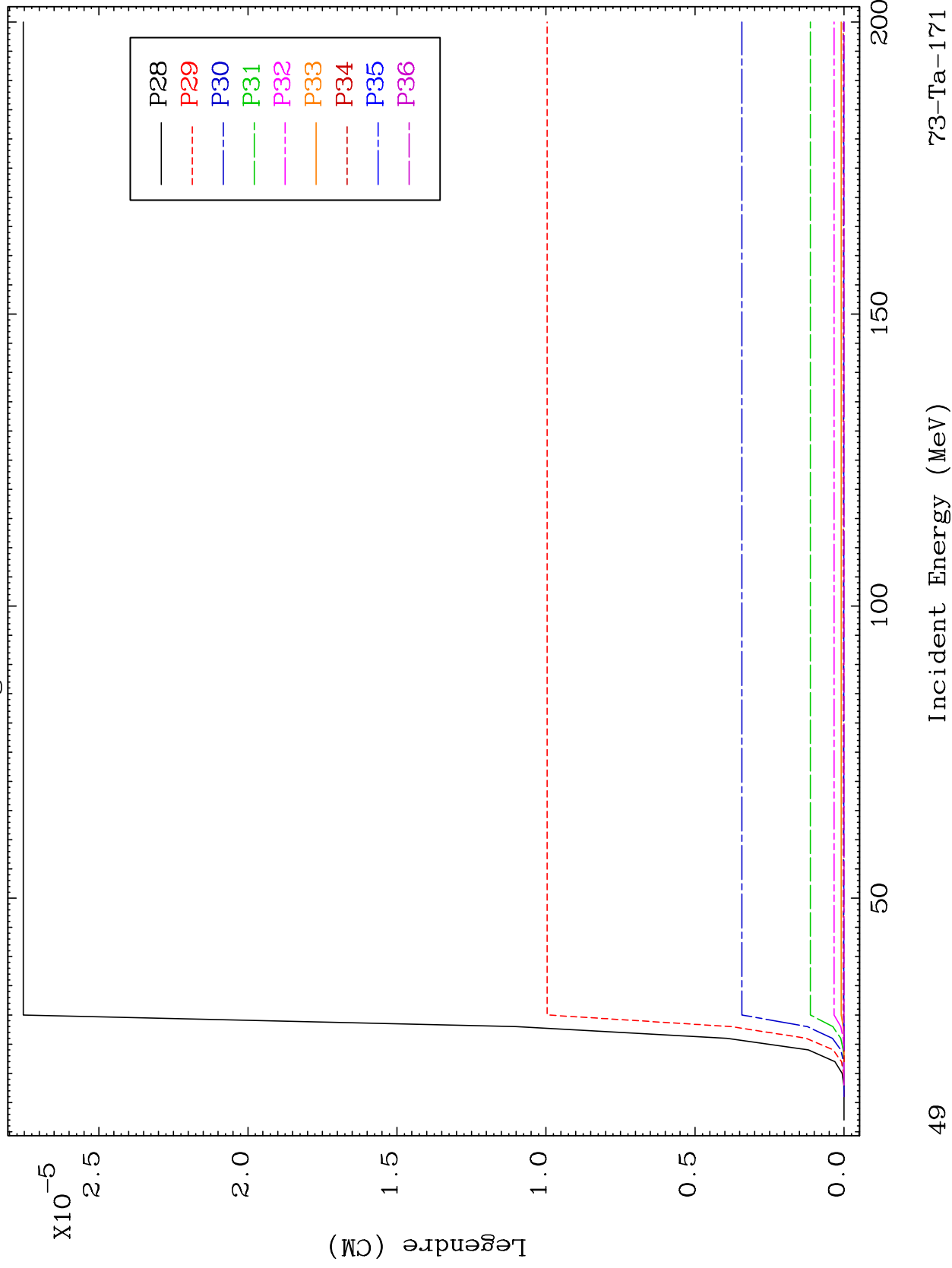
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

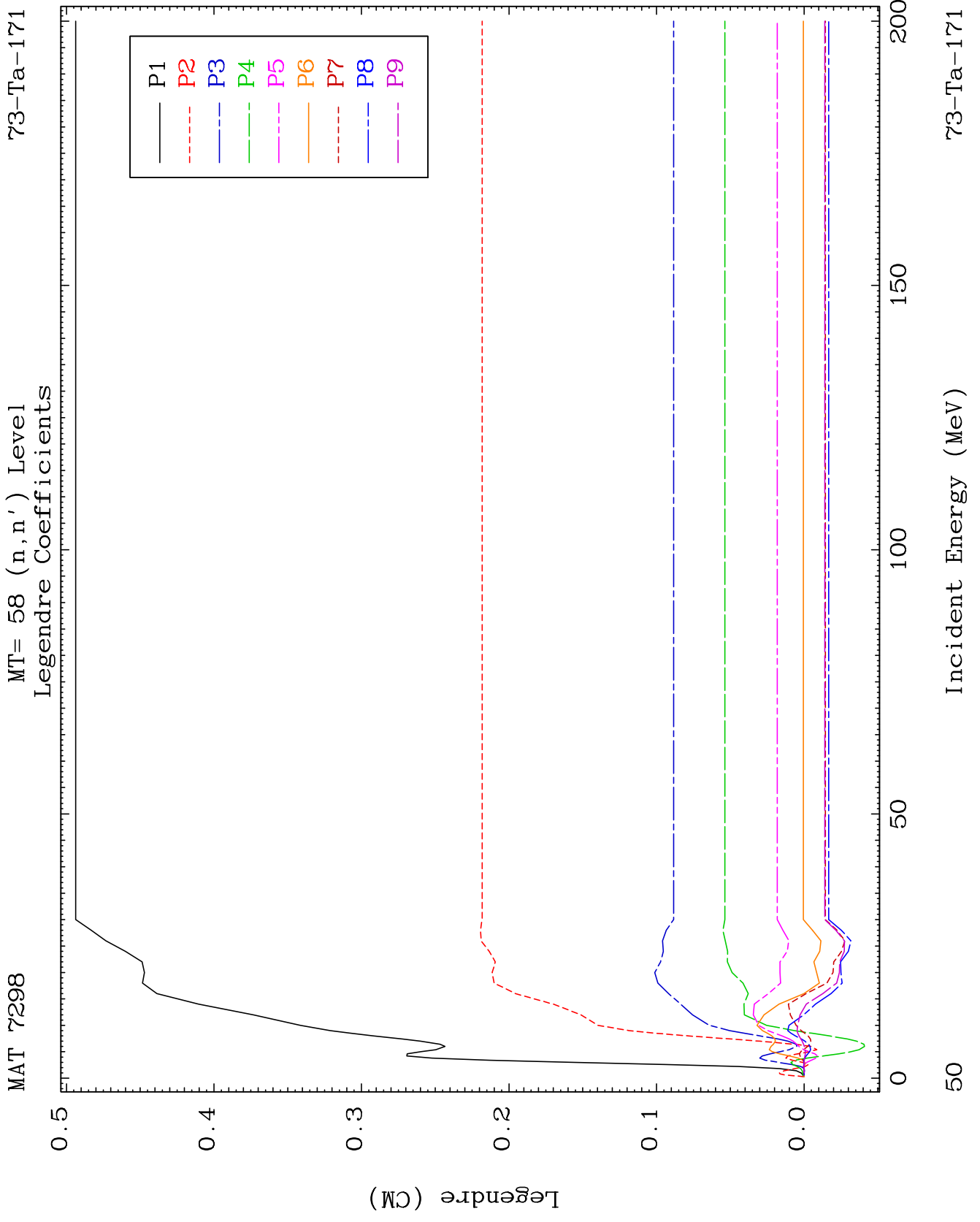
73-Ta-171



49

Incident Energy (MeV)

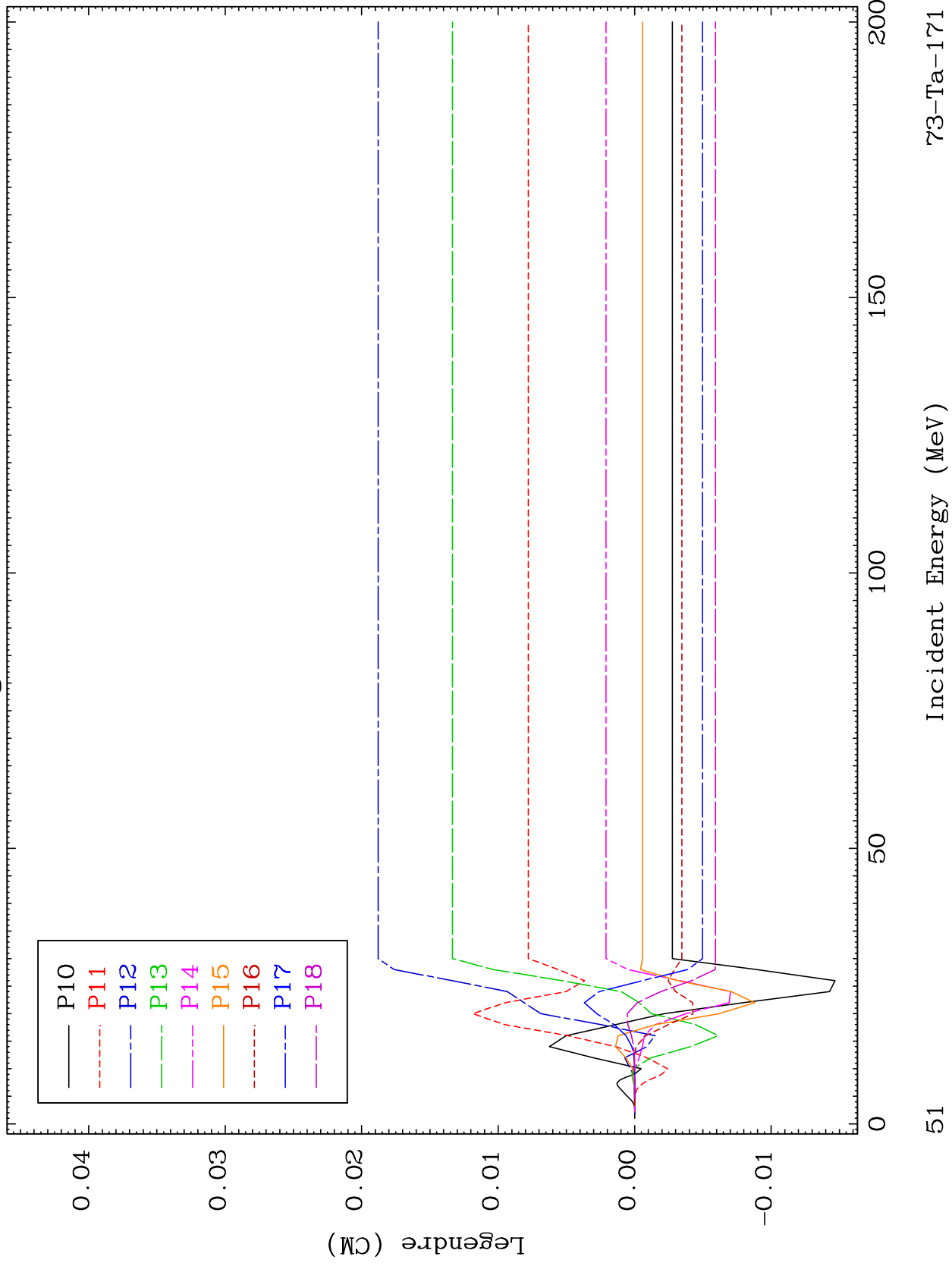
73-Ta-171



MAT 7298

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

73-Ta-171



51

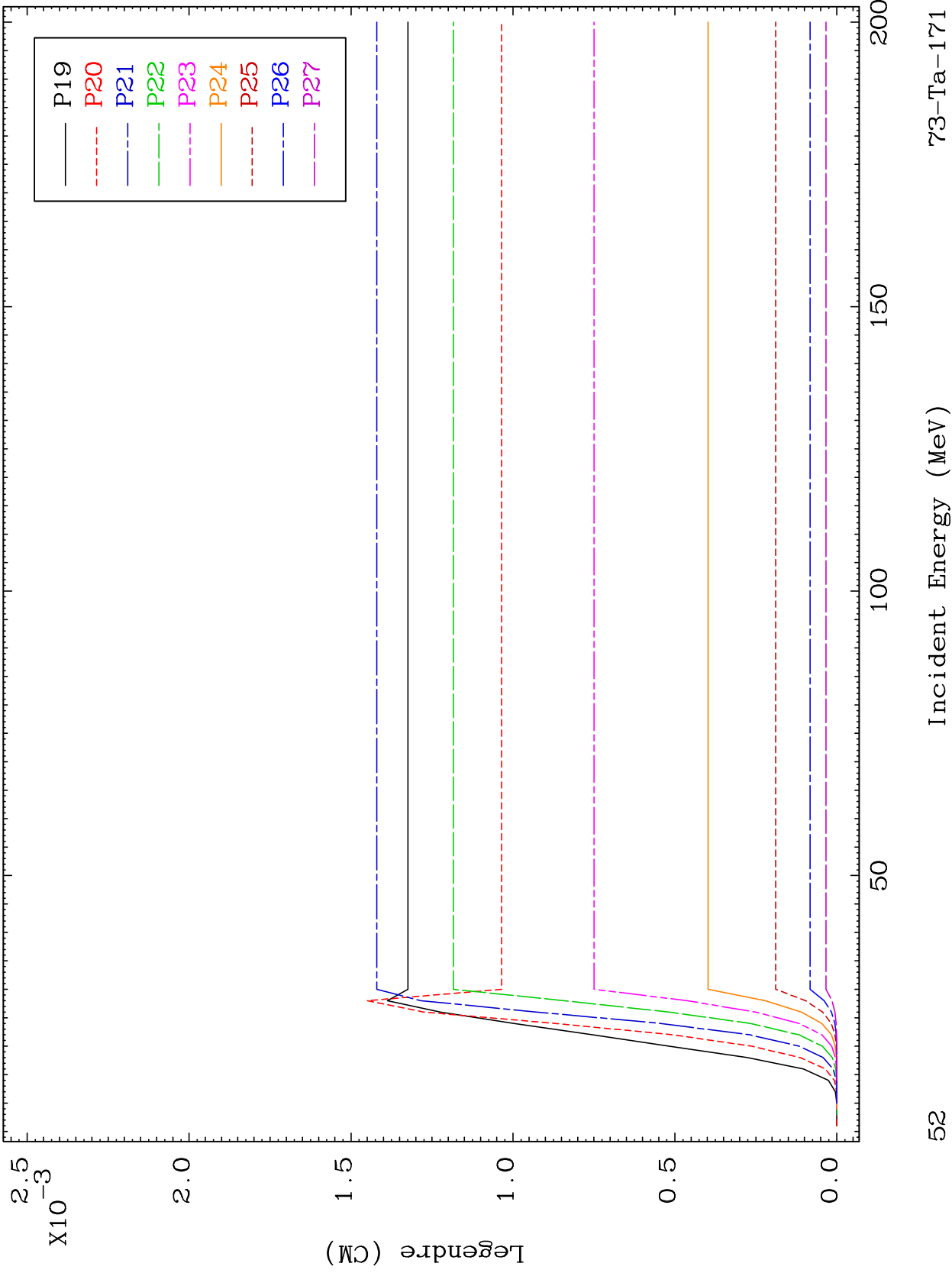
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



52

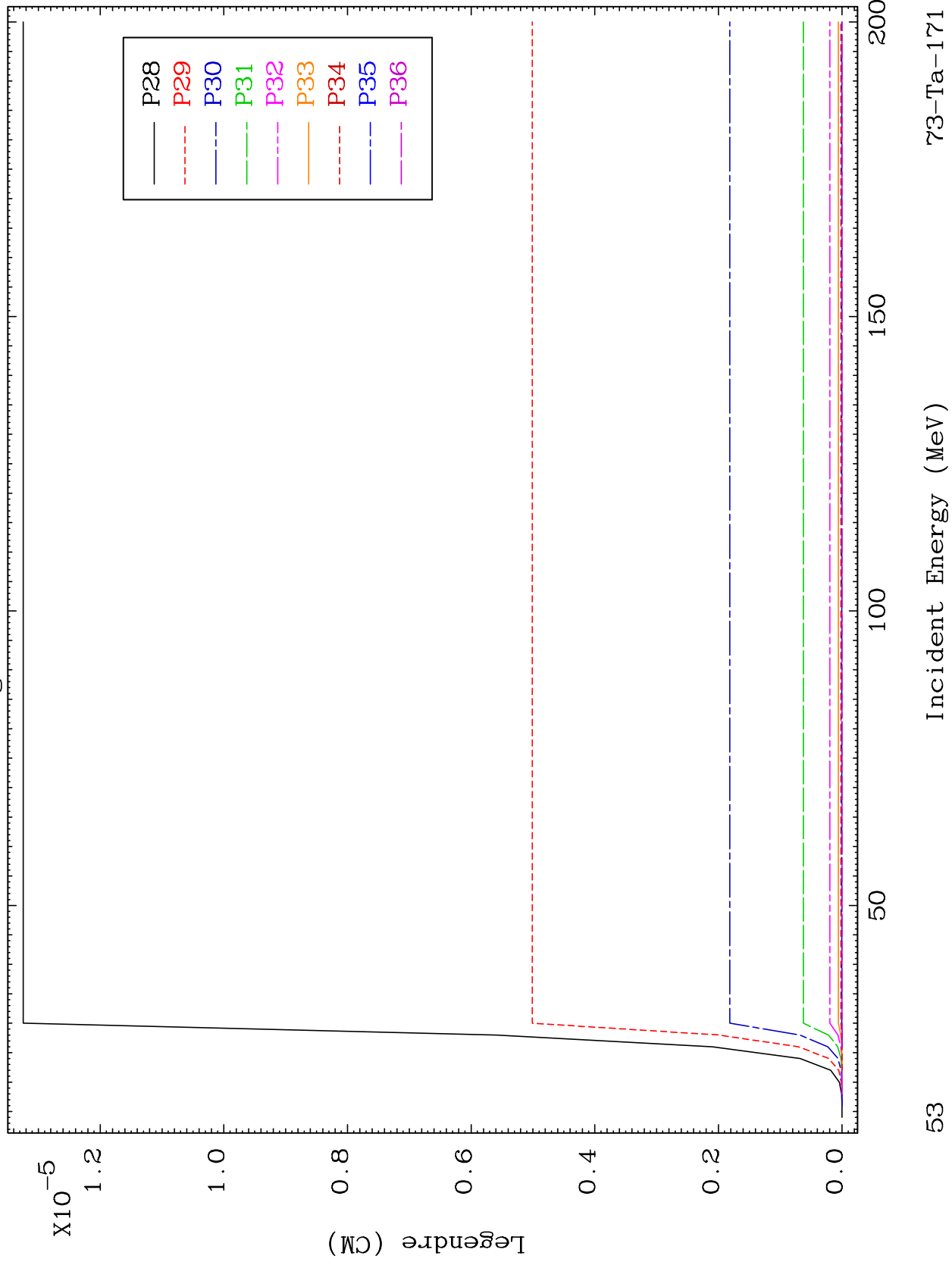
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



53

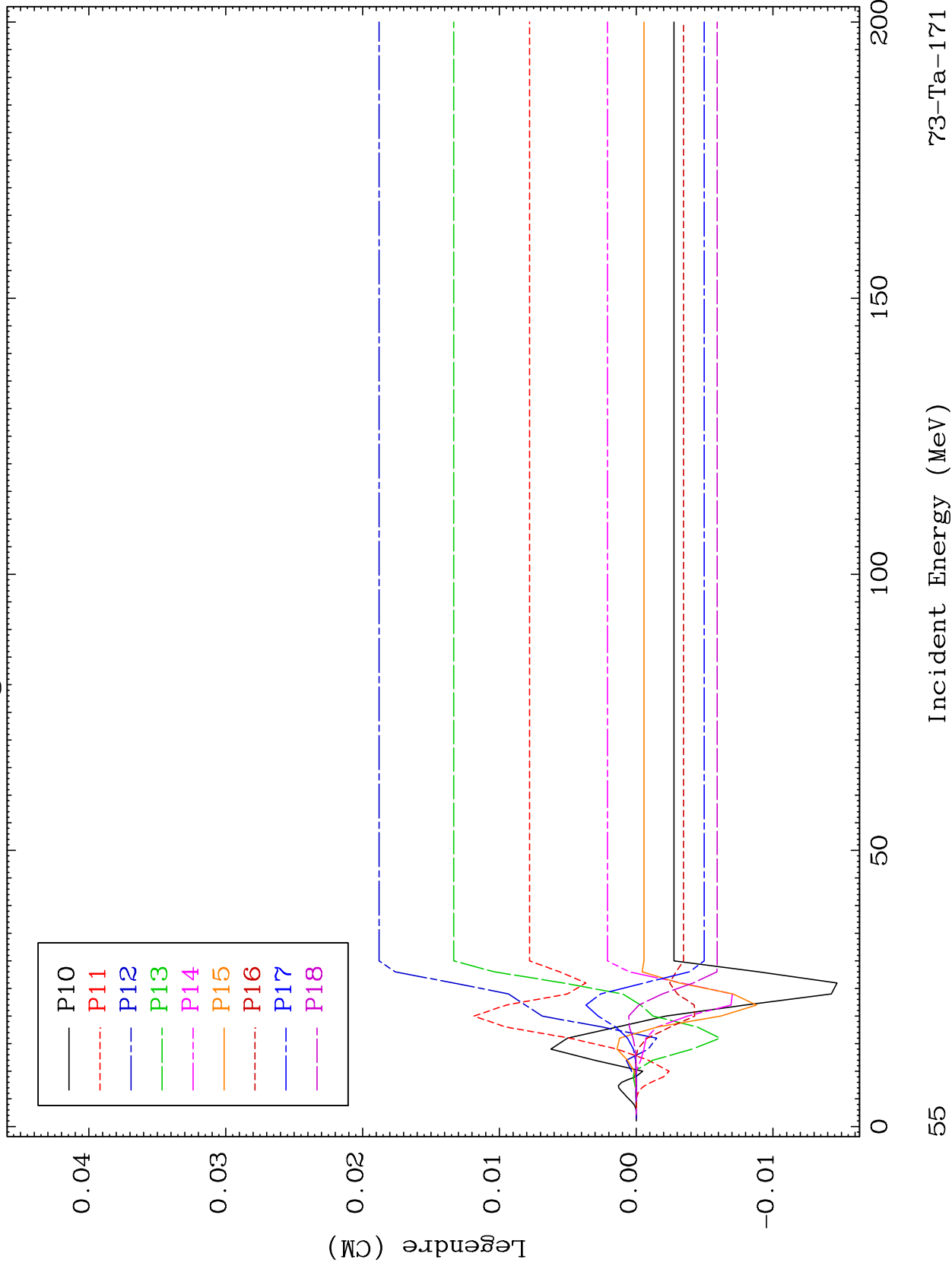
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



73-Ta-171

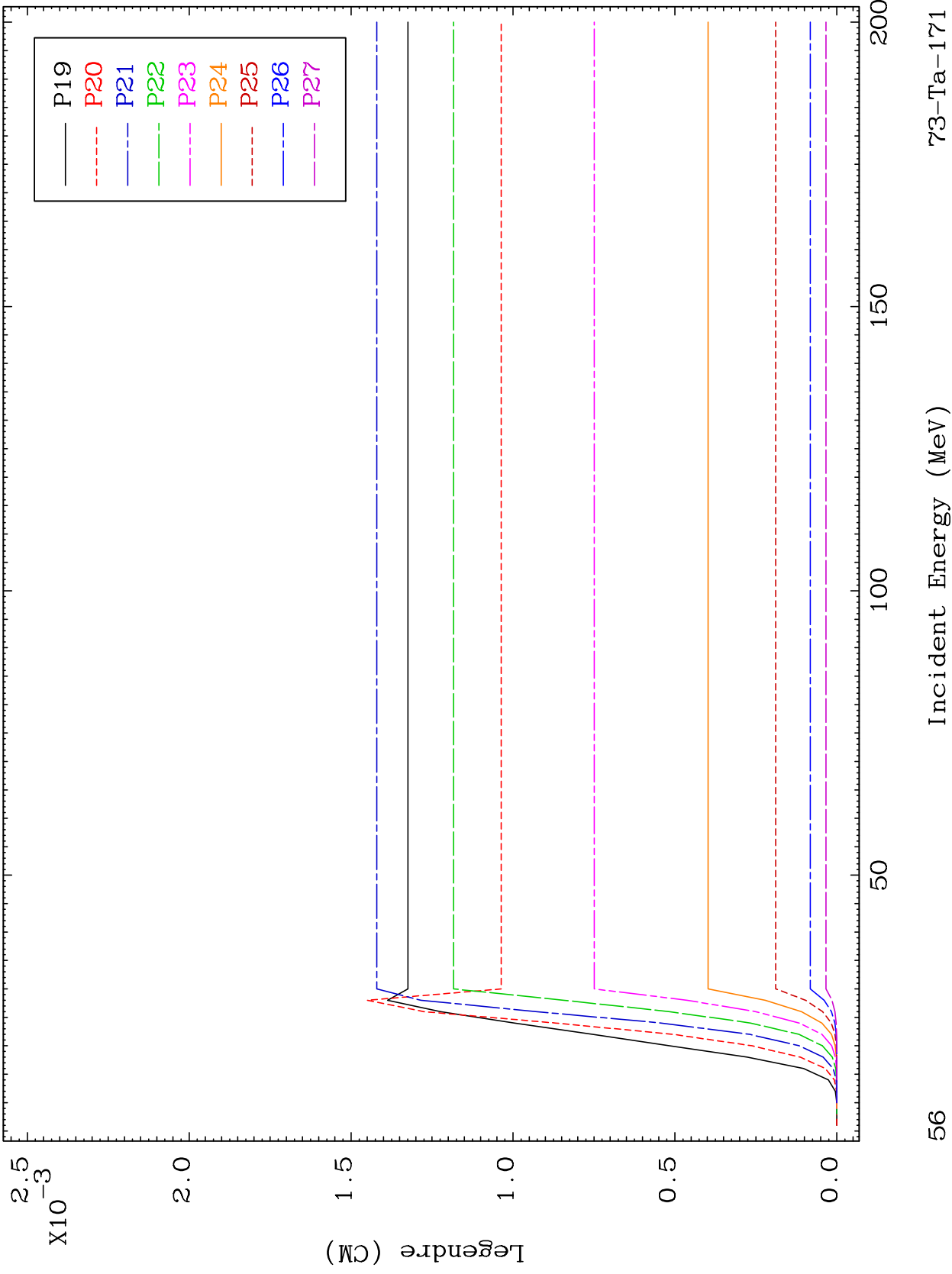
Incident Energy (MeV)

55

MAT 7298

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

73-Ta-171



56

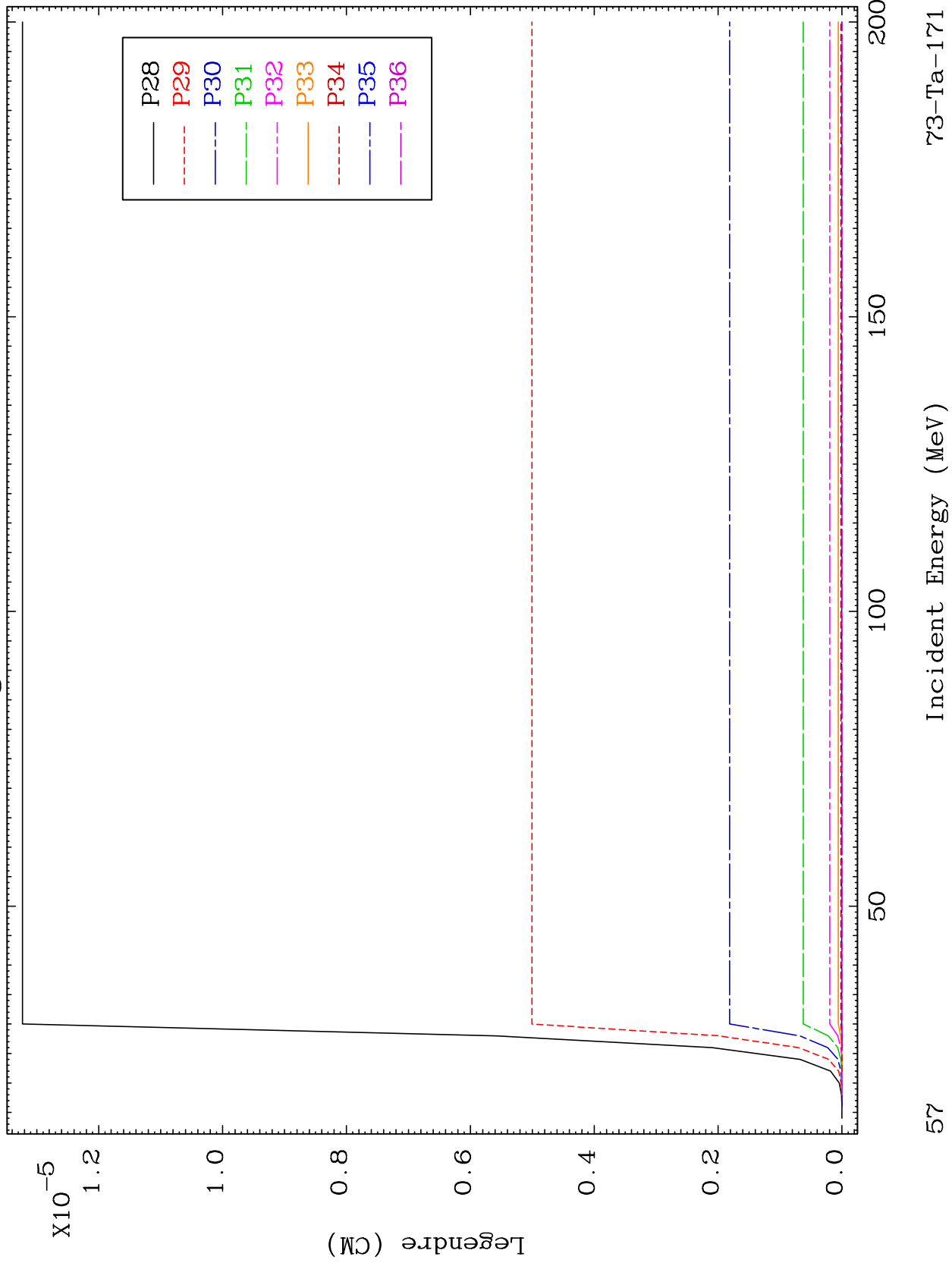
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

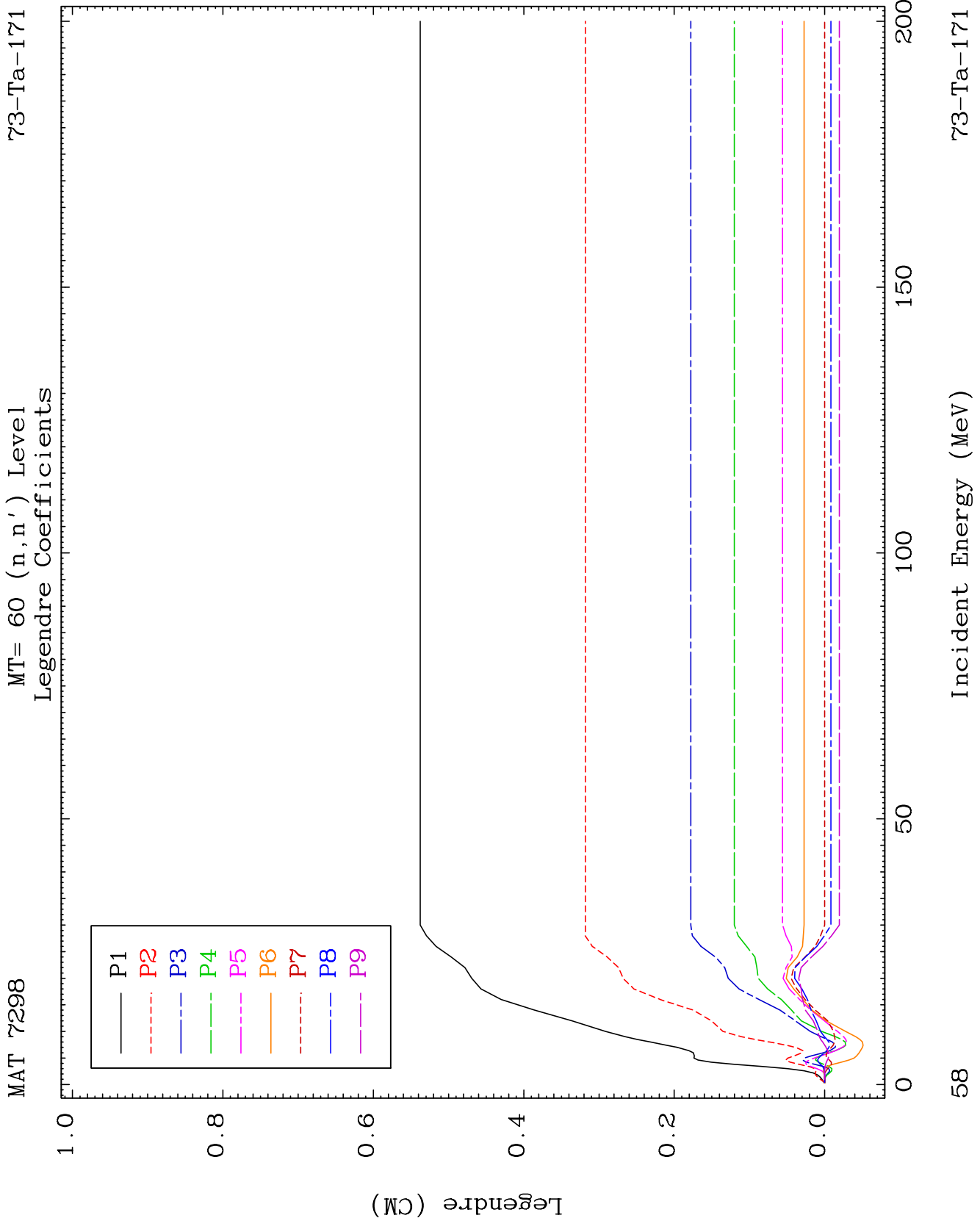
73-Ta-171

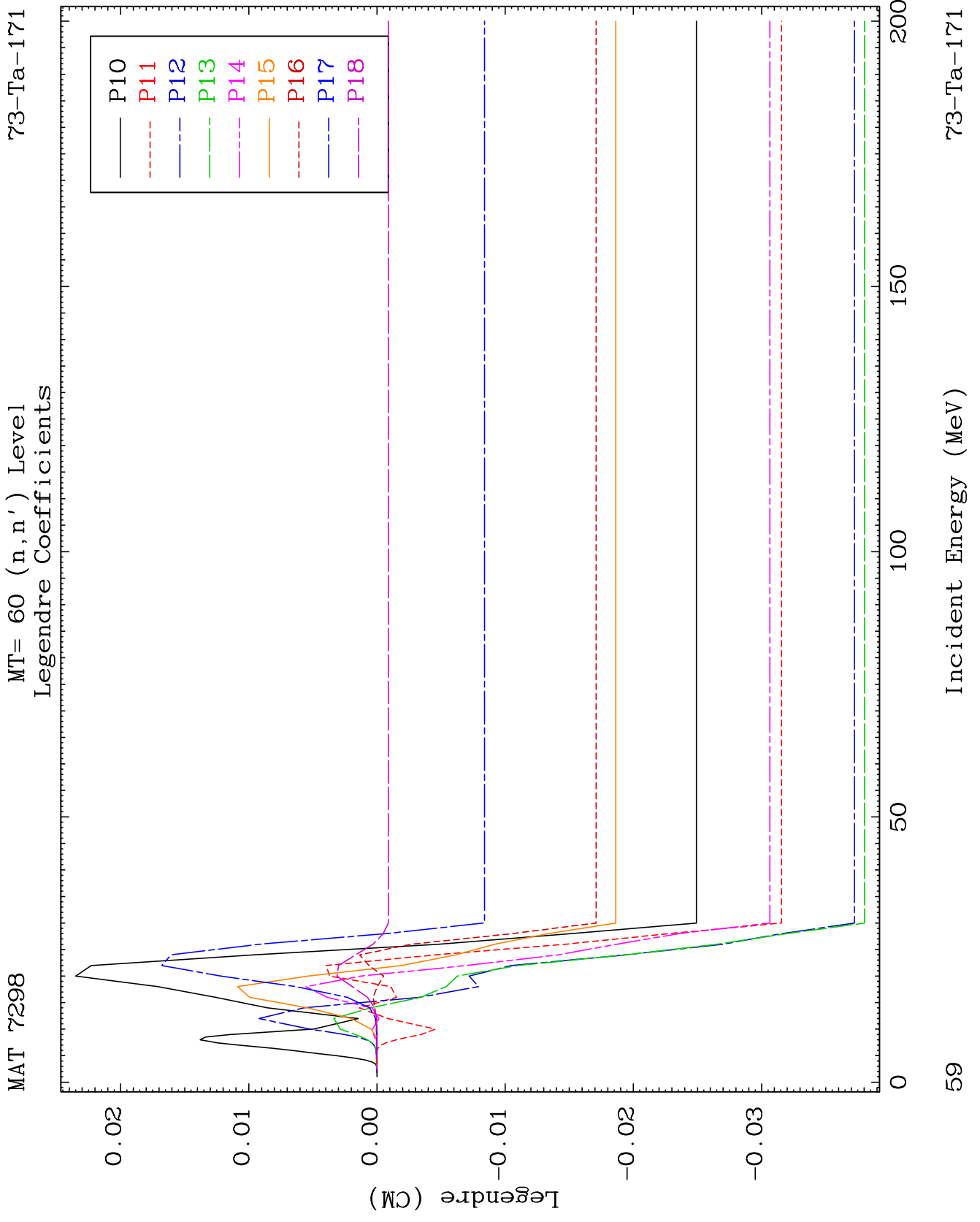


57

Incident Energy (MeV)

73-Ta-171

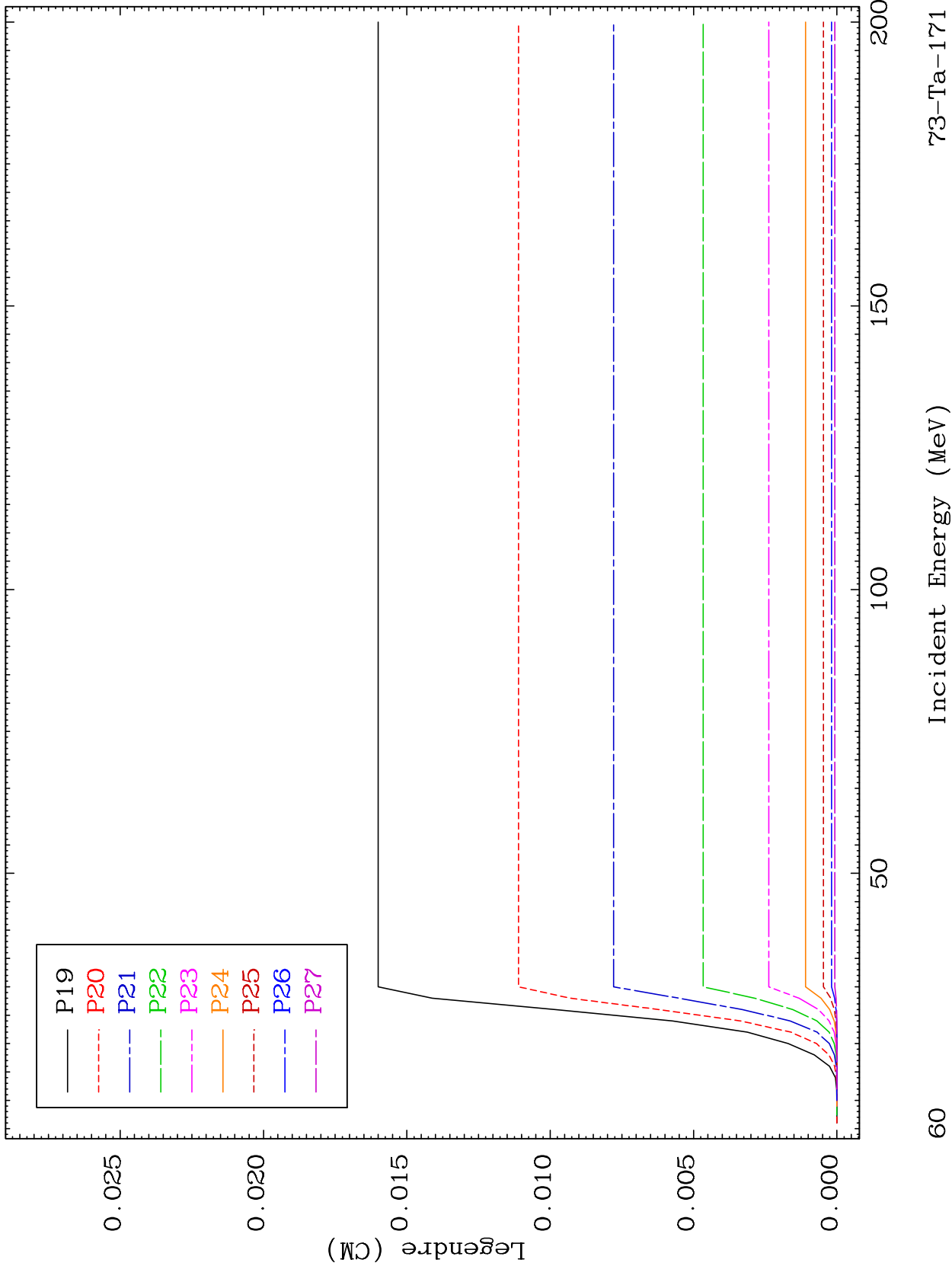




MAT 7298

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

73-Ta-171



73-Ta-171

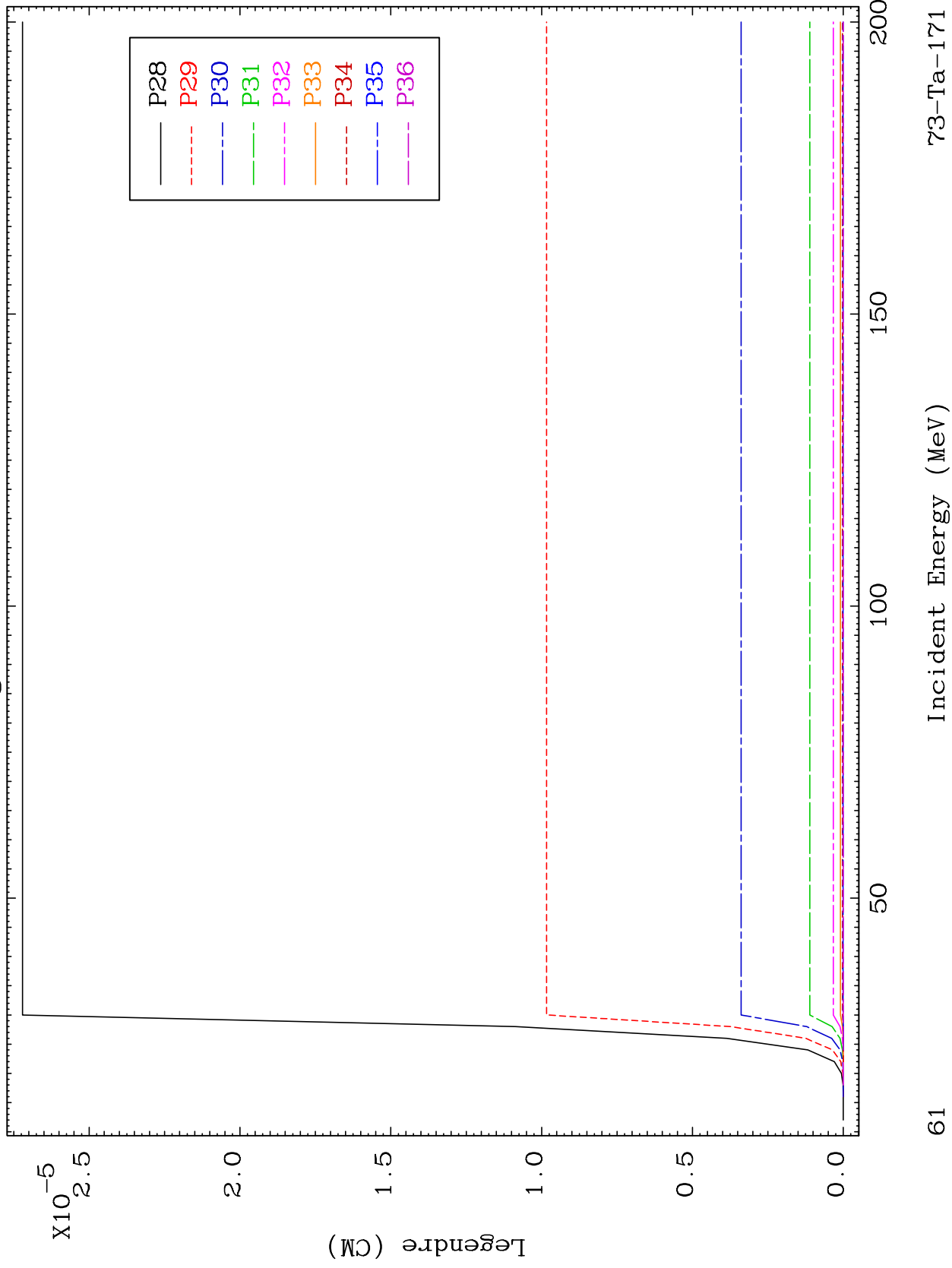
Incident Energy (MeV)

60

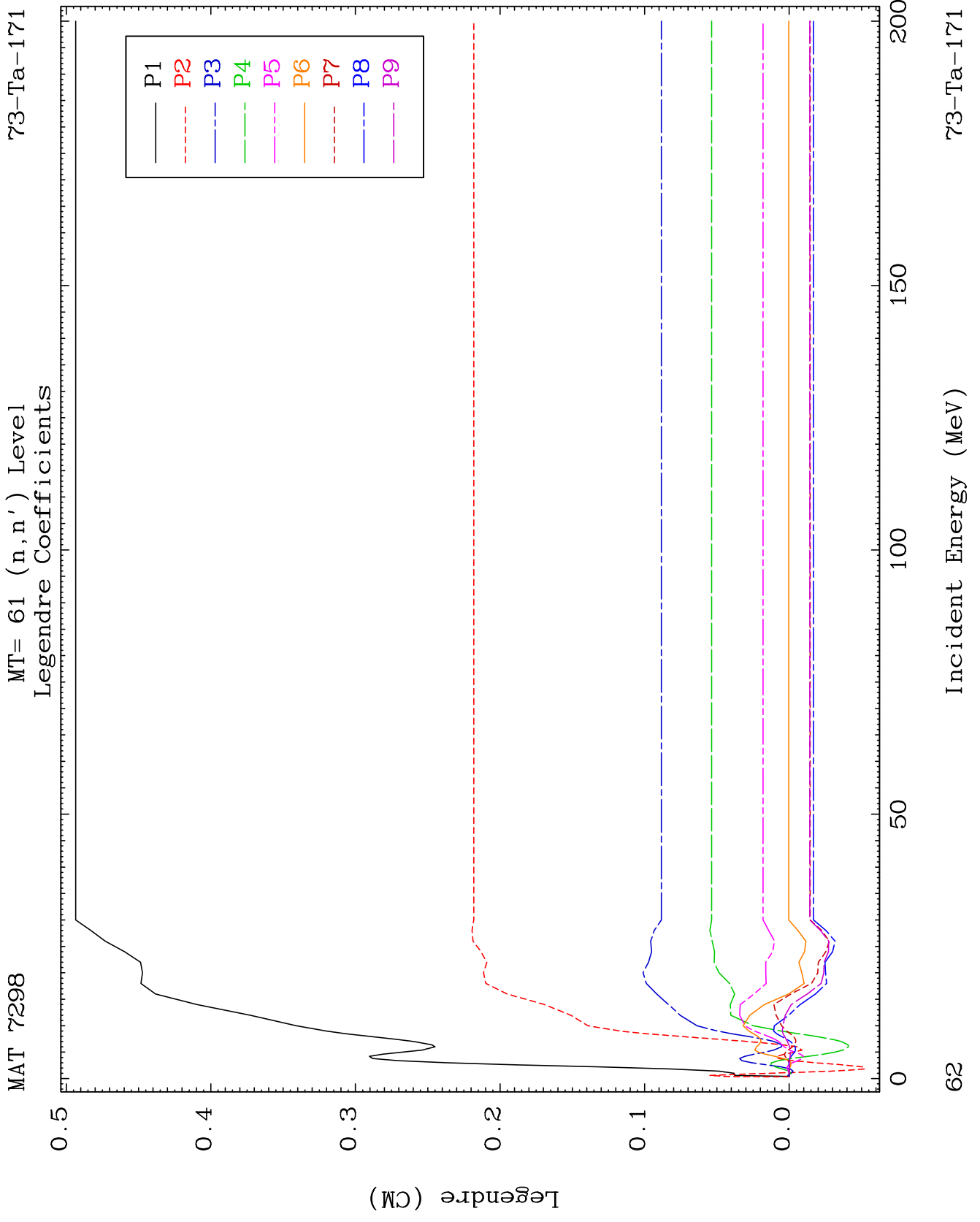
MAT 7298

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

73-Ta-171



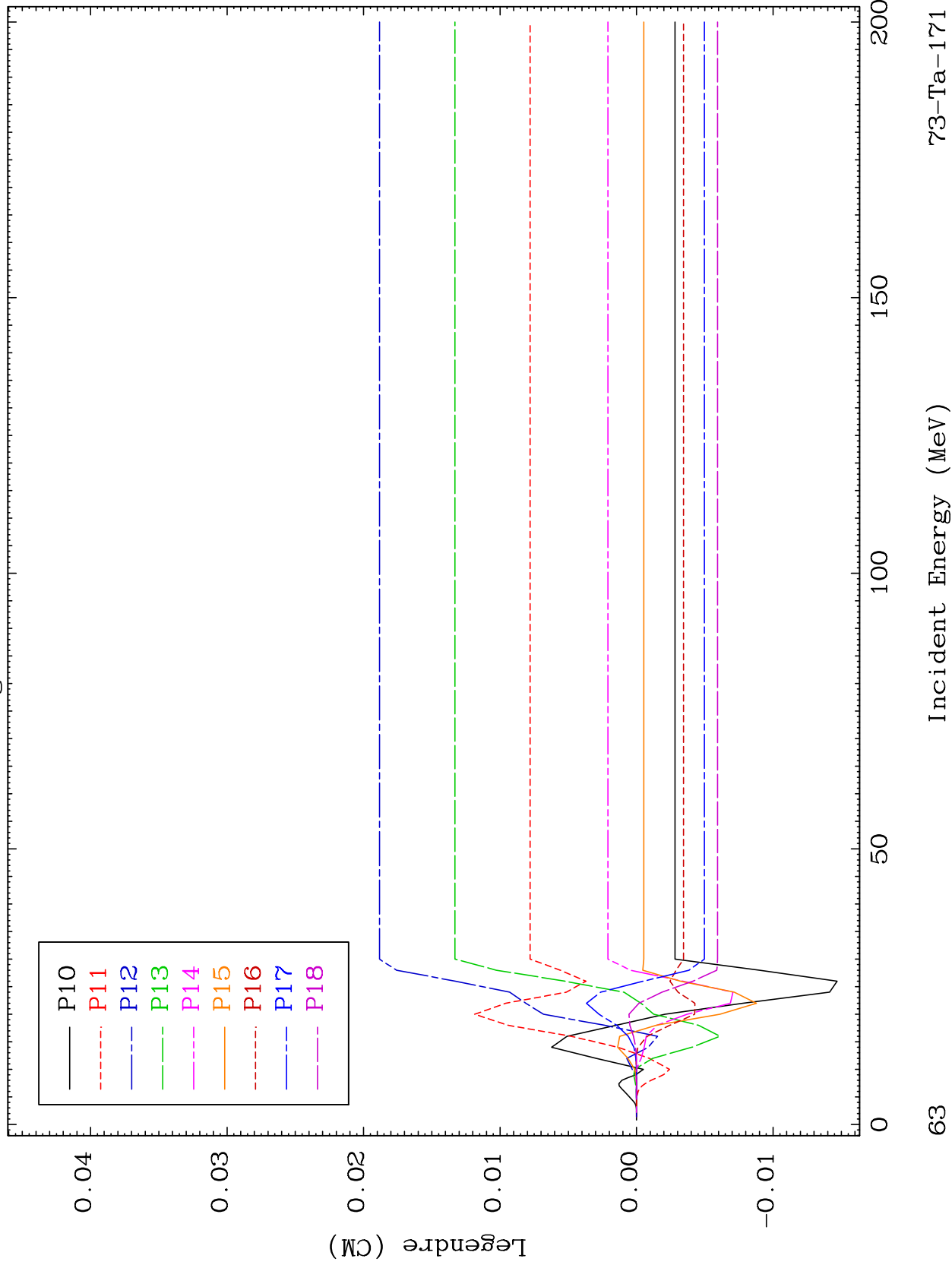
61



MAT 7298

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

73-Ta-171



63

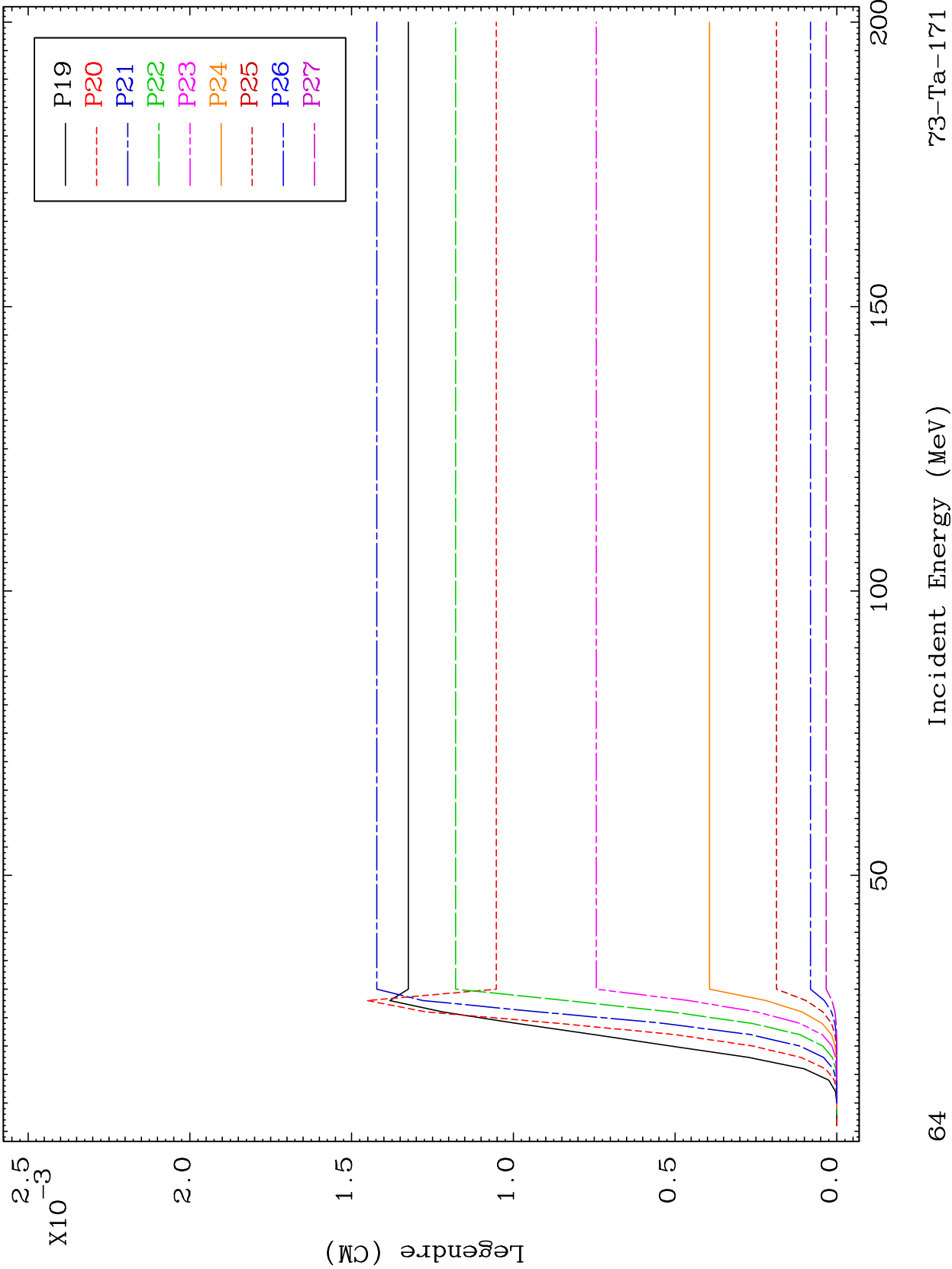
Incident Energy (MeV)

73-Ta-171

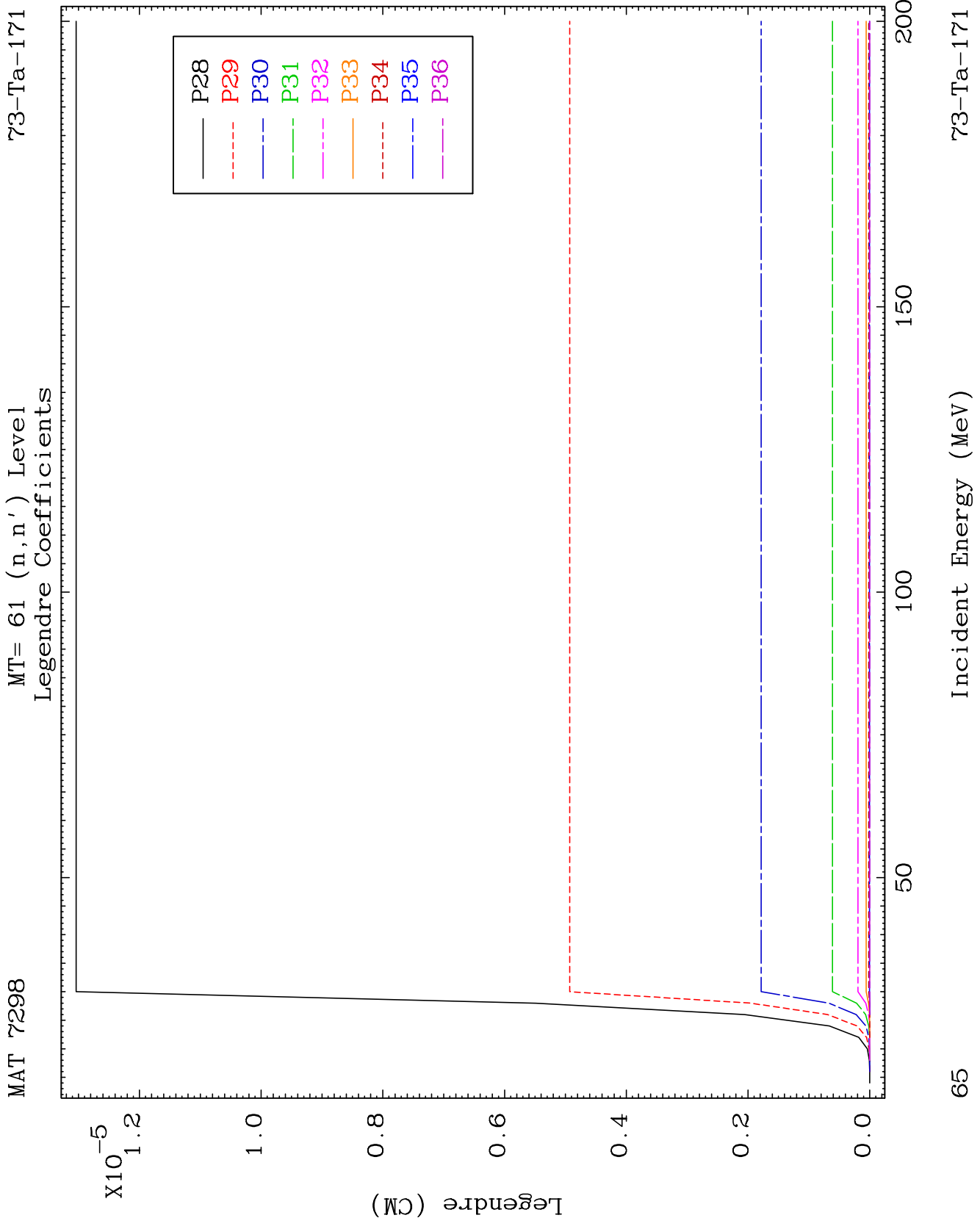
MAT 7298

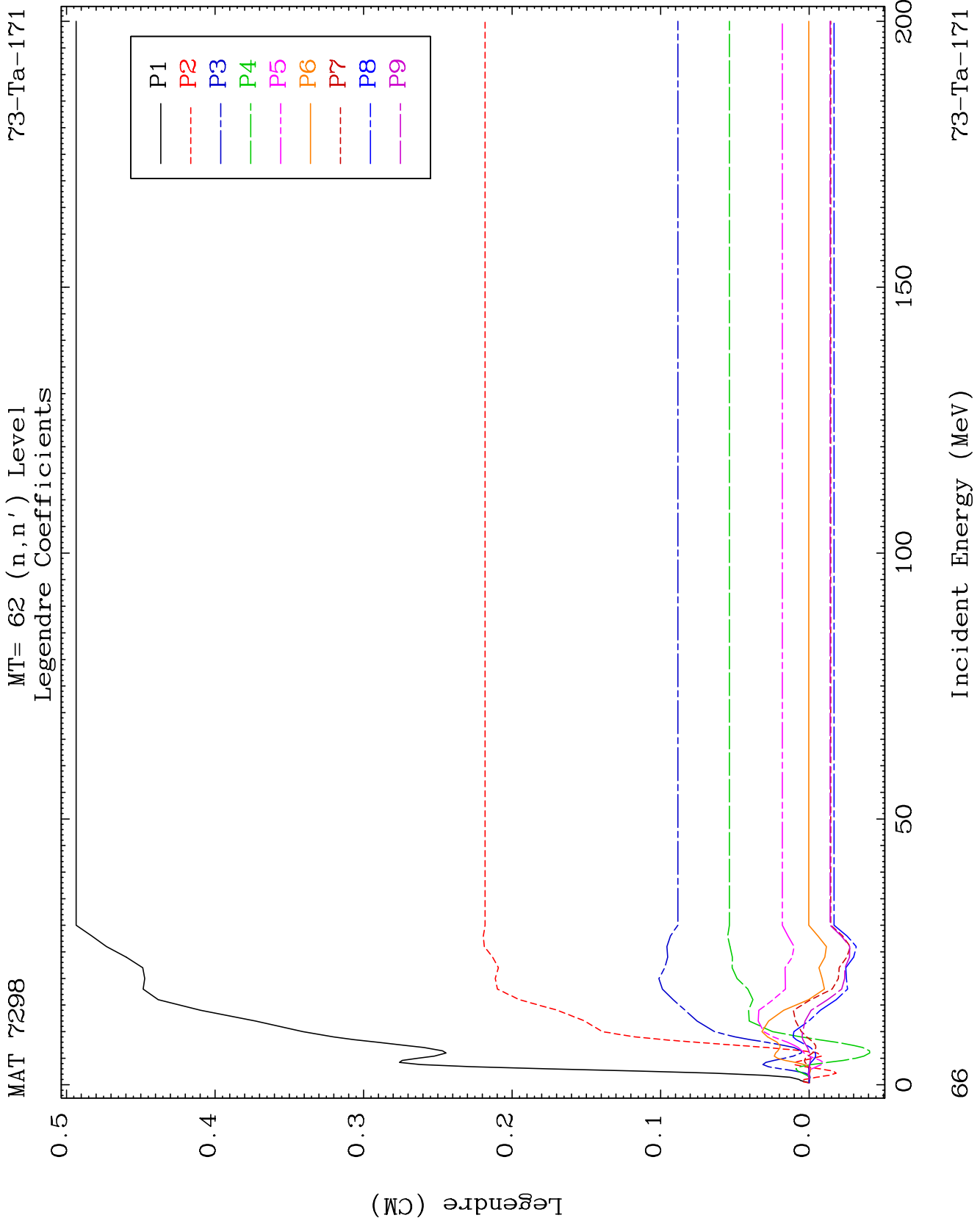
MT= 61 (n,n') Level
Legendre Coefficients

73-Ta-171



64

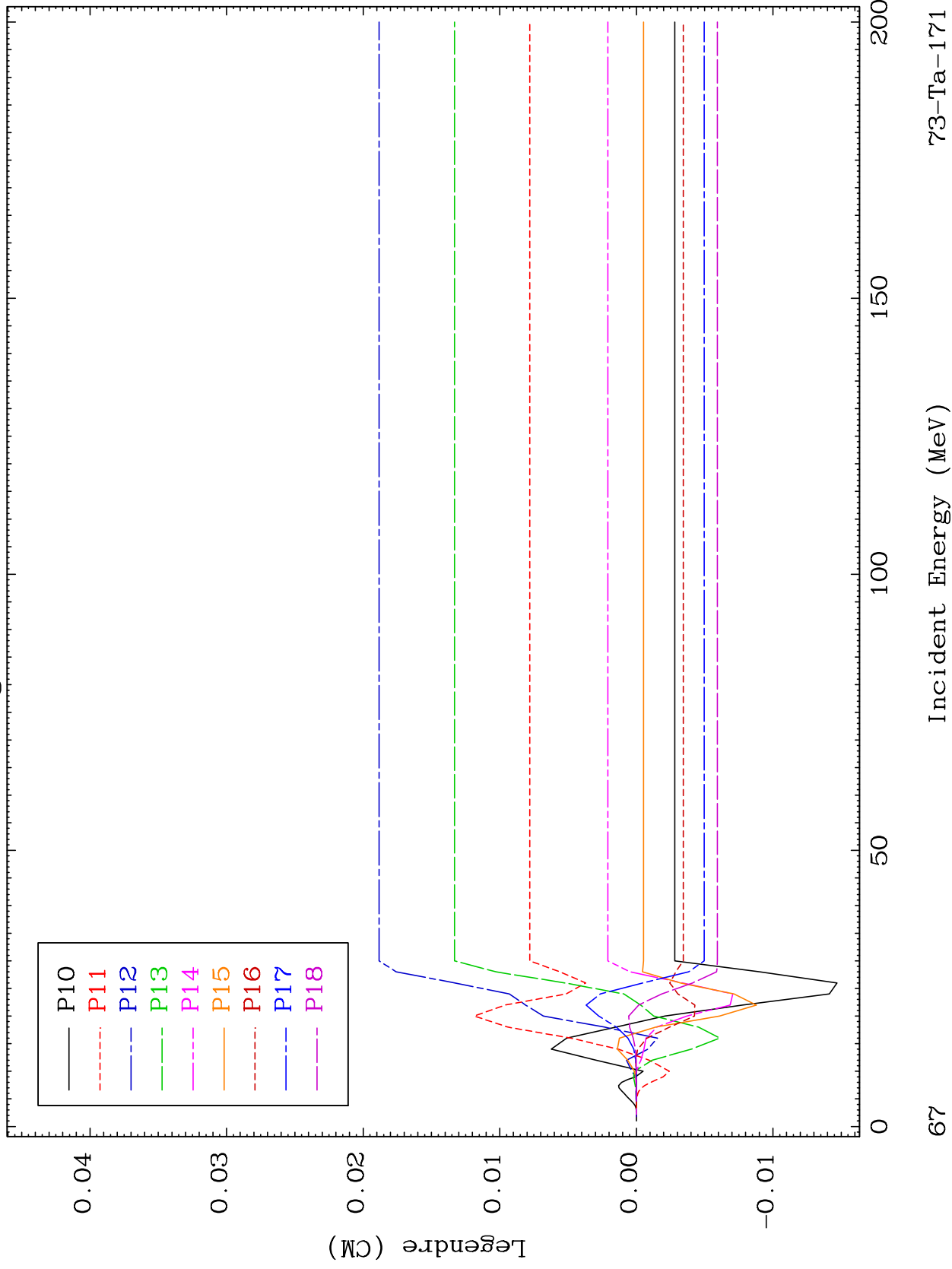




MAT 7298

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

73-Ta-171



73-Ta-171

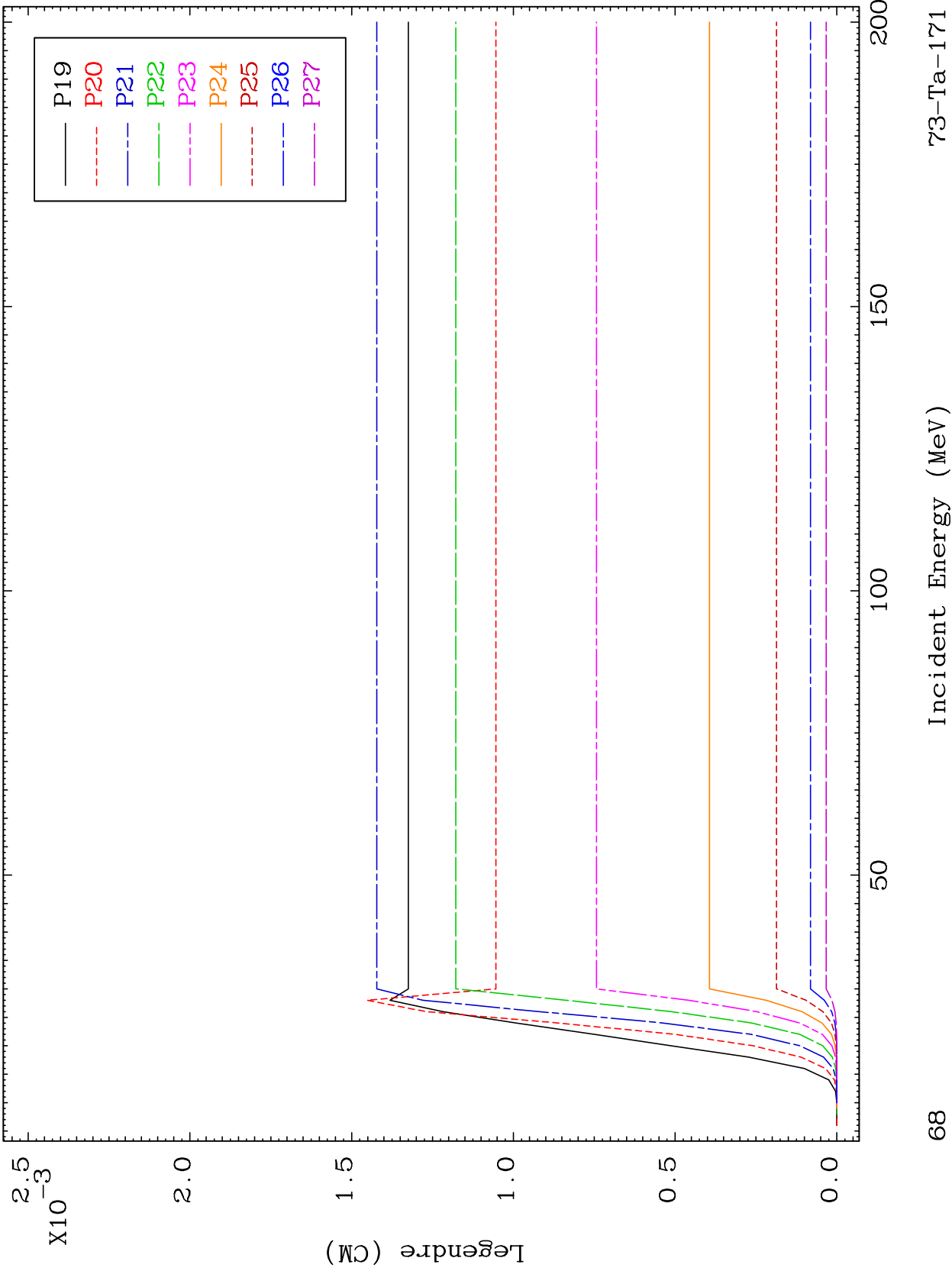
Incident Energy (MeV)

67

MAT 7298

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

73-Ta-171



68

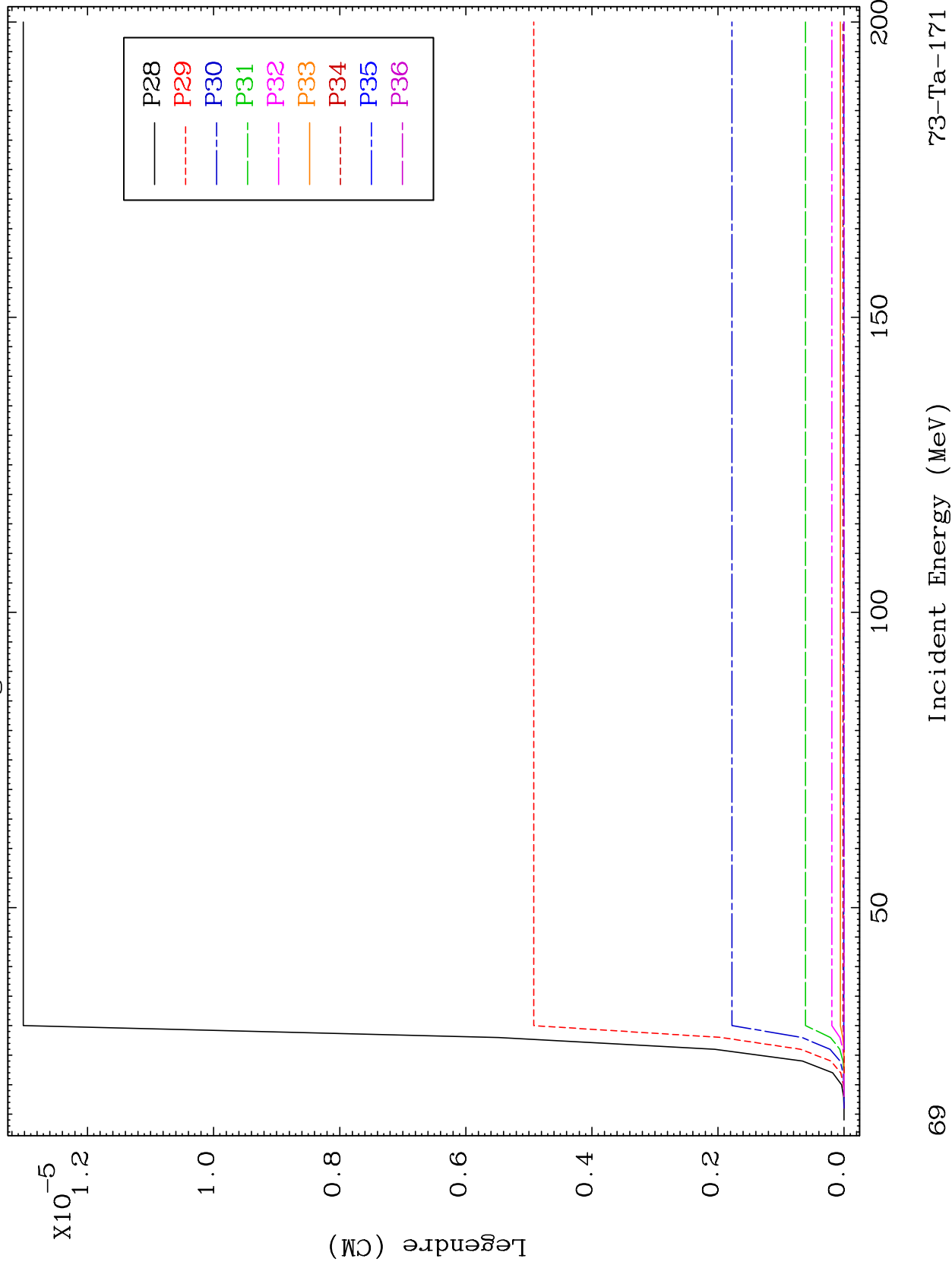
Incident Energy (MeV)

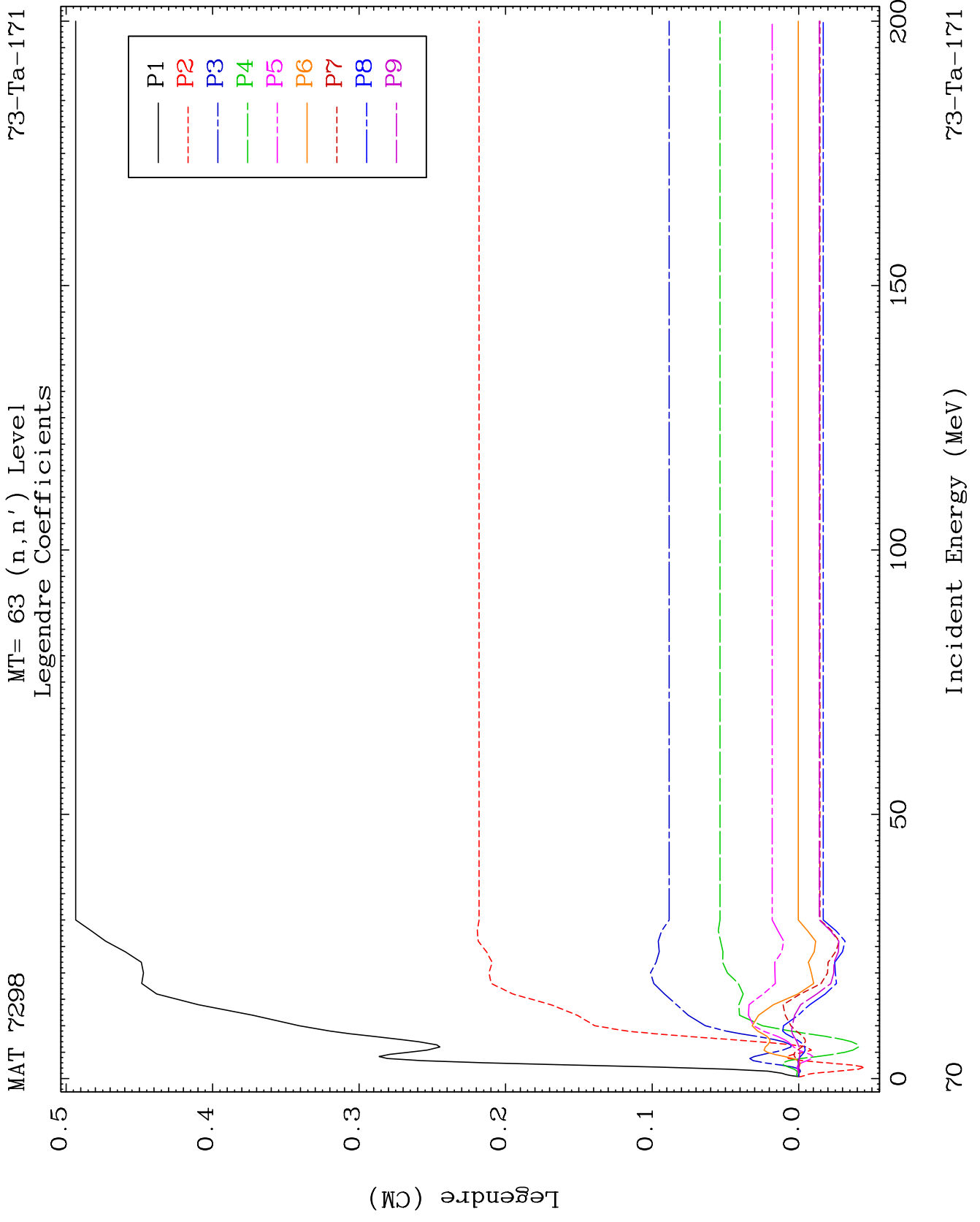
73-Ta-171

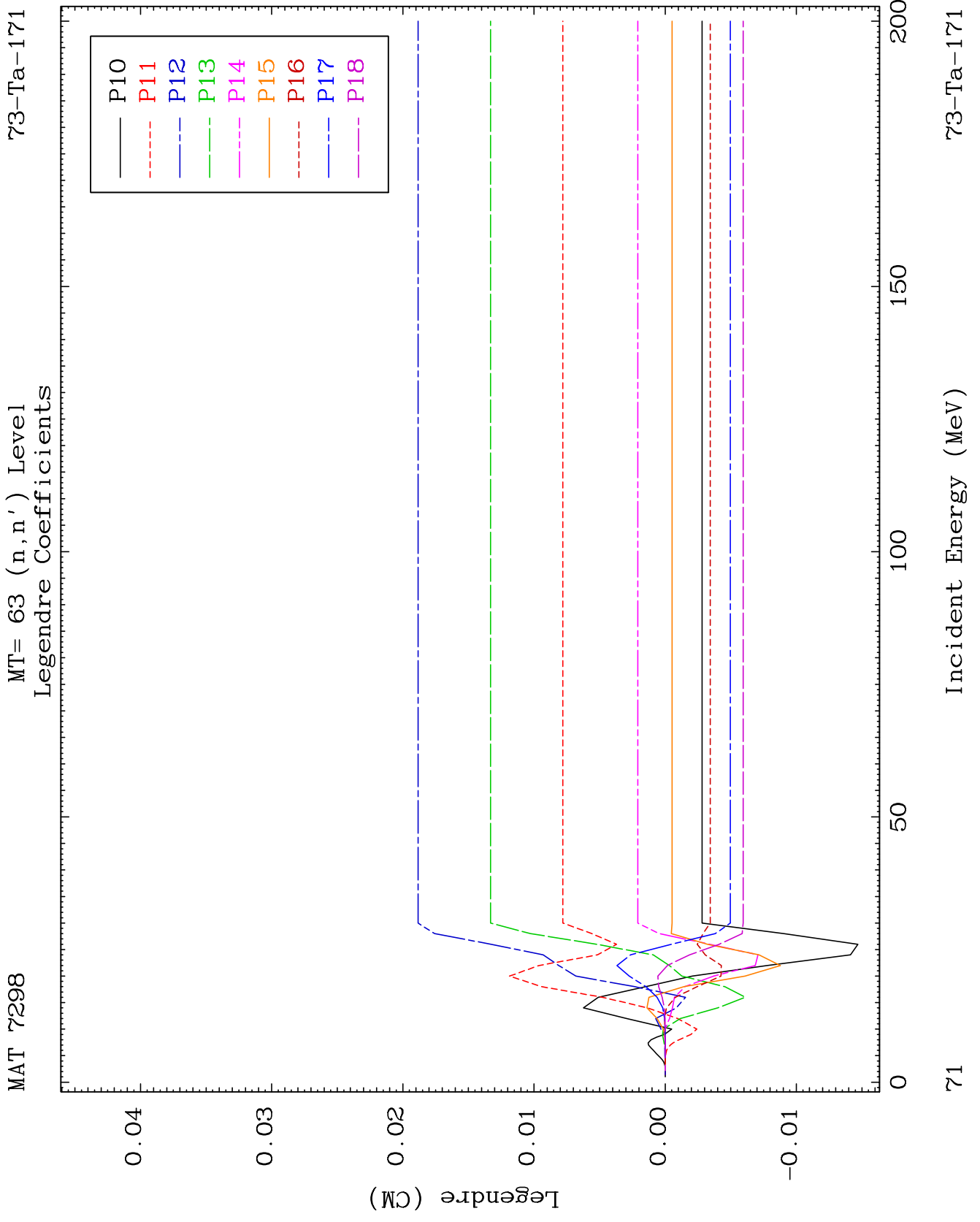
MAT 7298

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

73-Ta-171



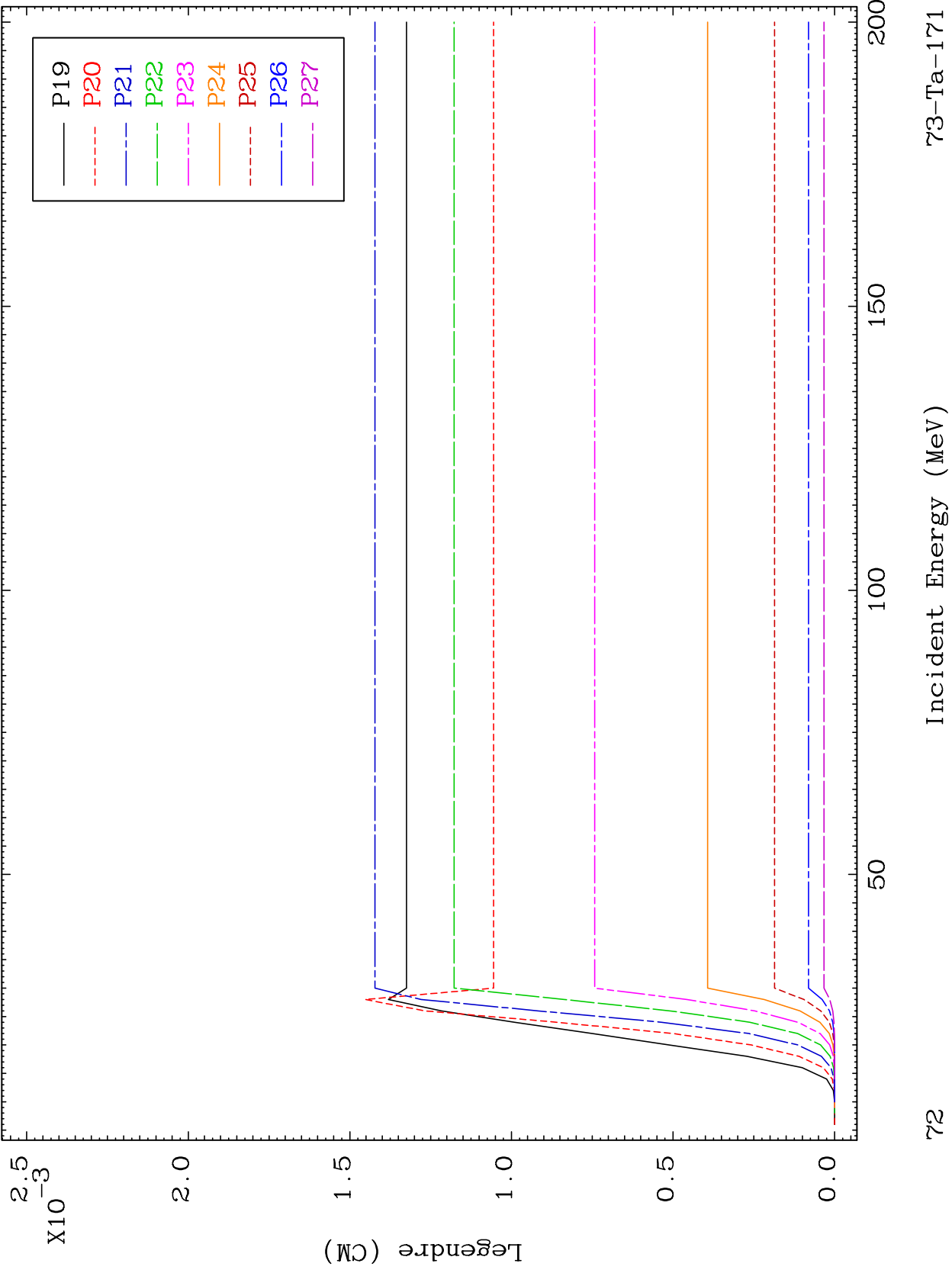




MAT 7298

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

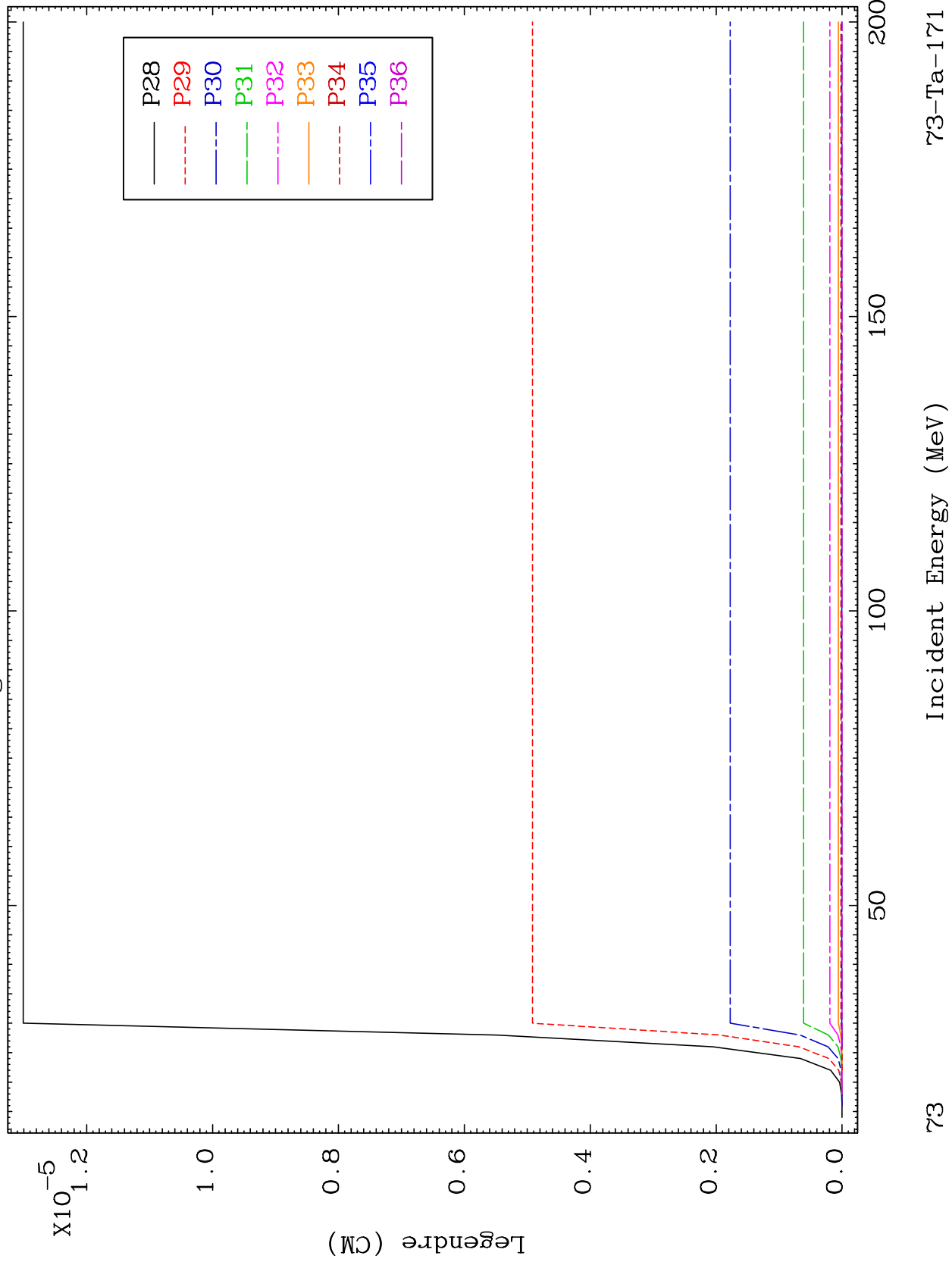
73-Ta-171

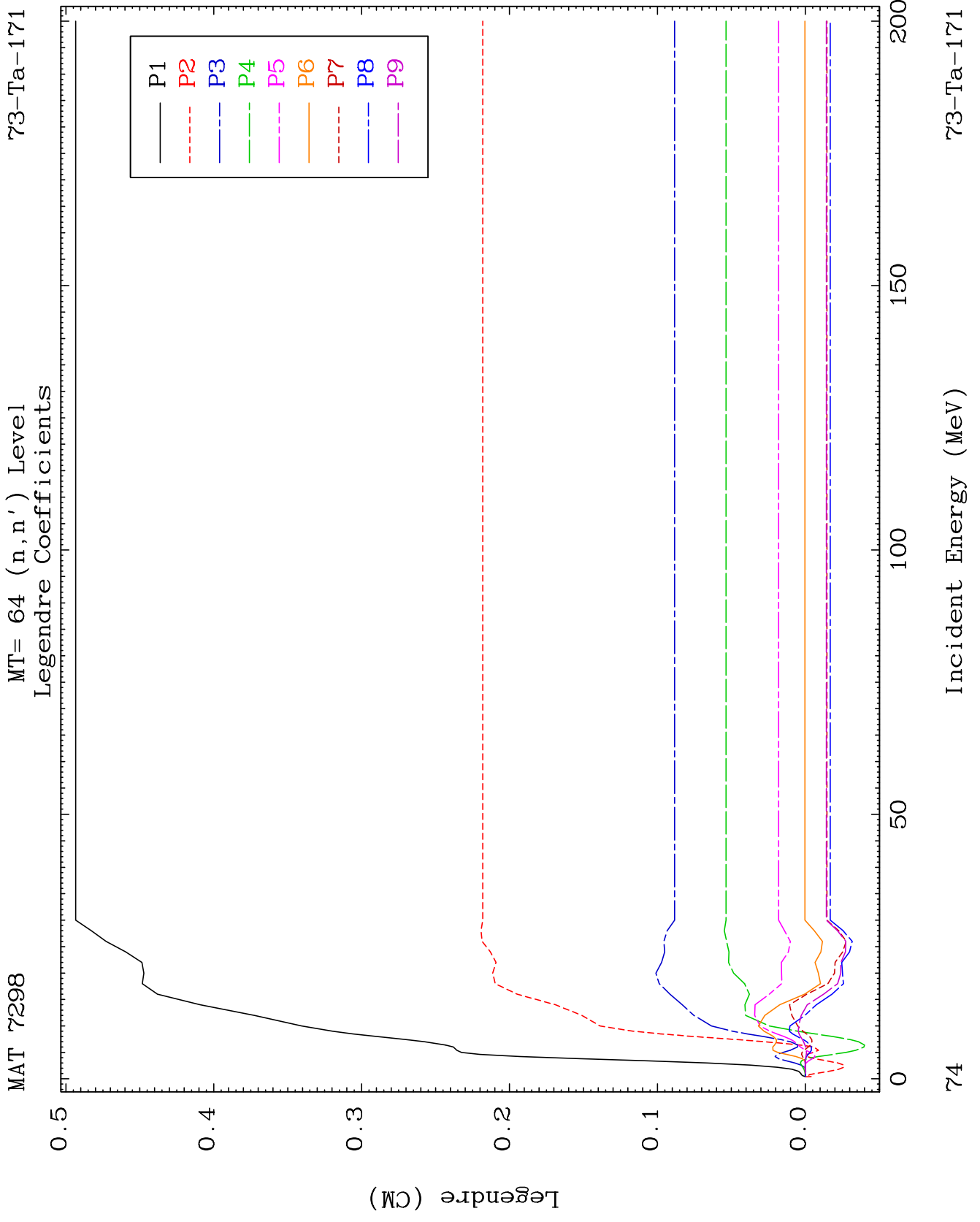


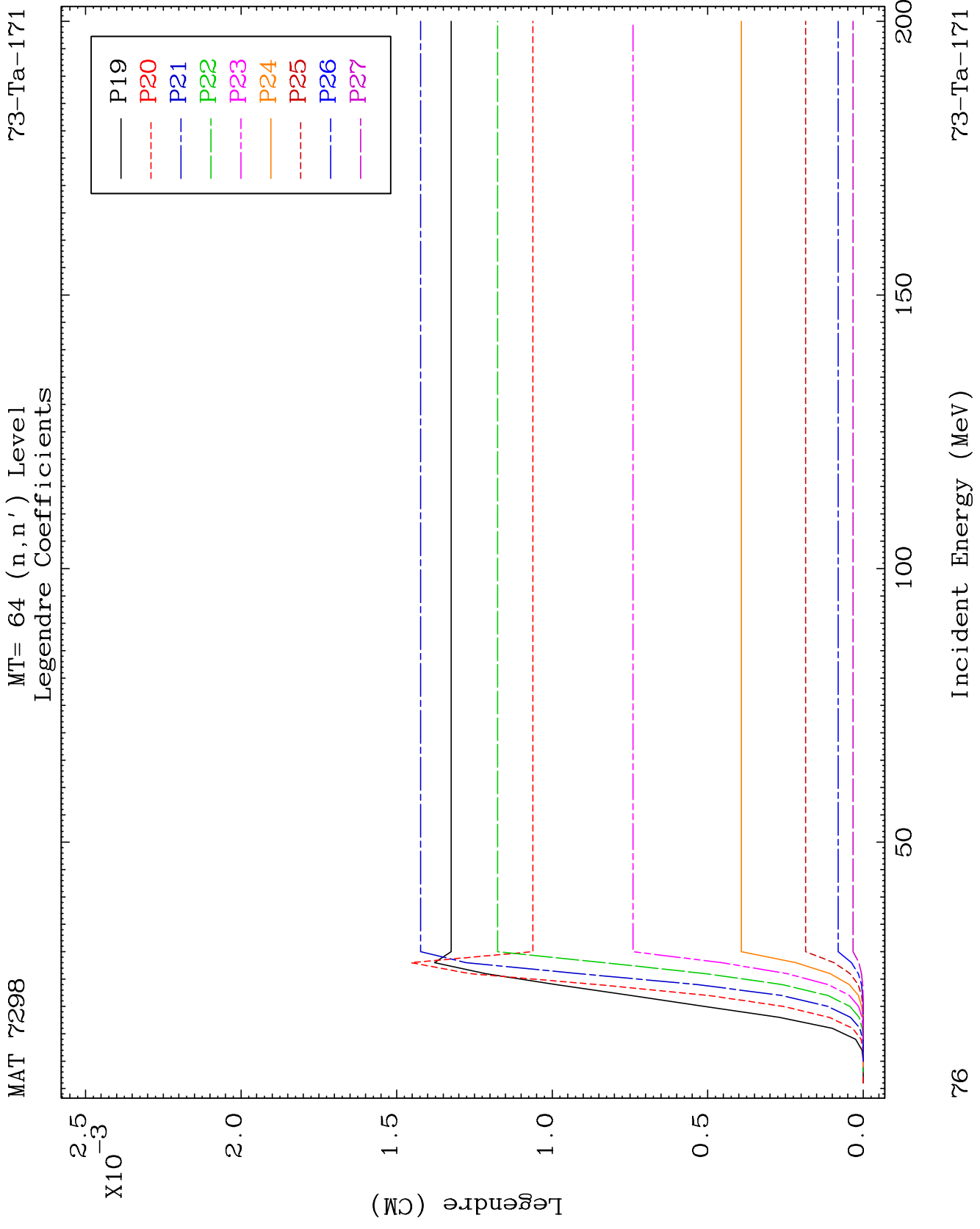
MAT 7298

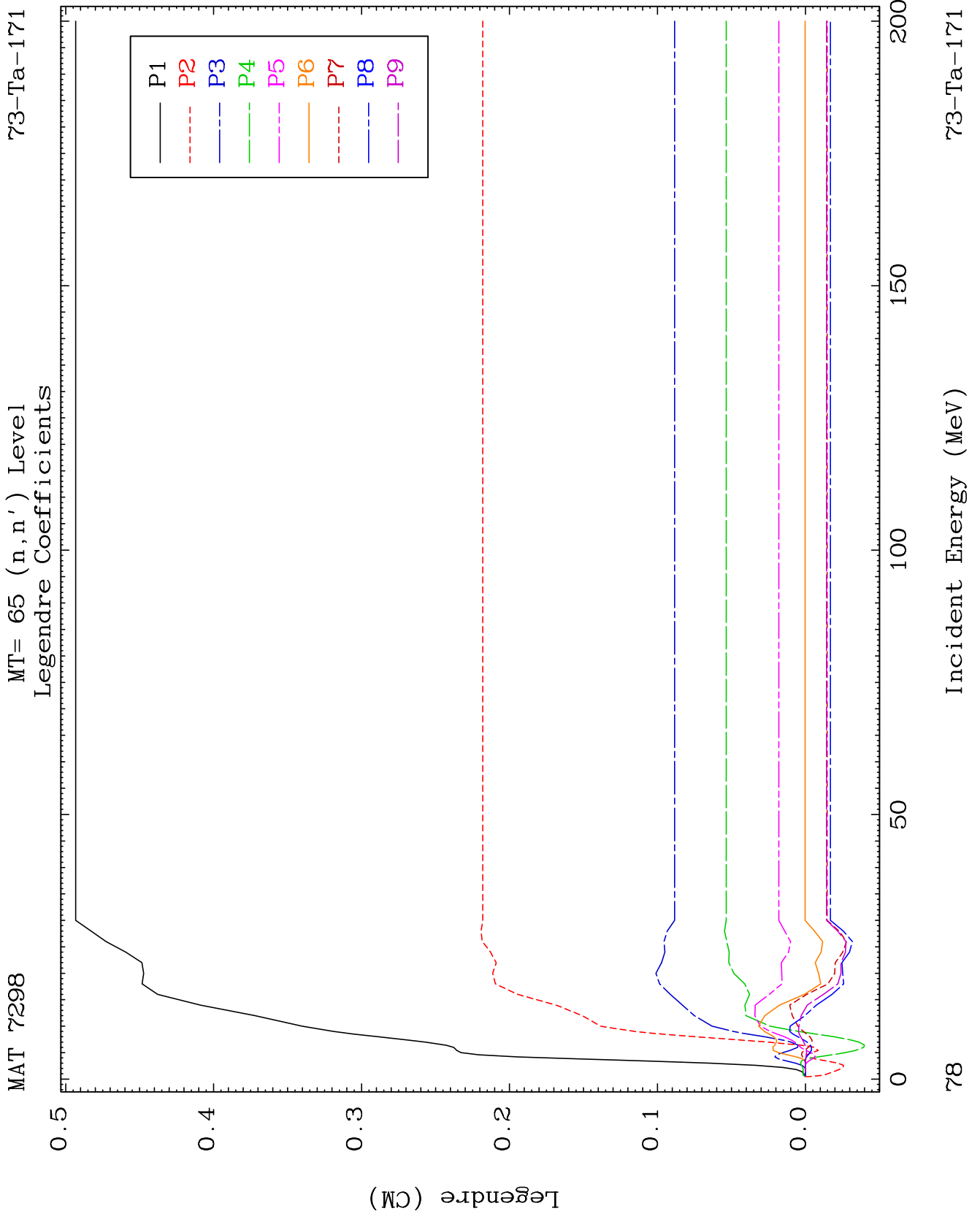
MT= 63 (n,n') Level
Legendre Coefficients

73-Ta-171





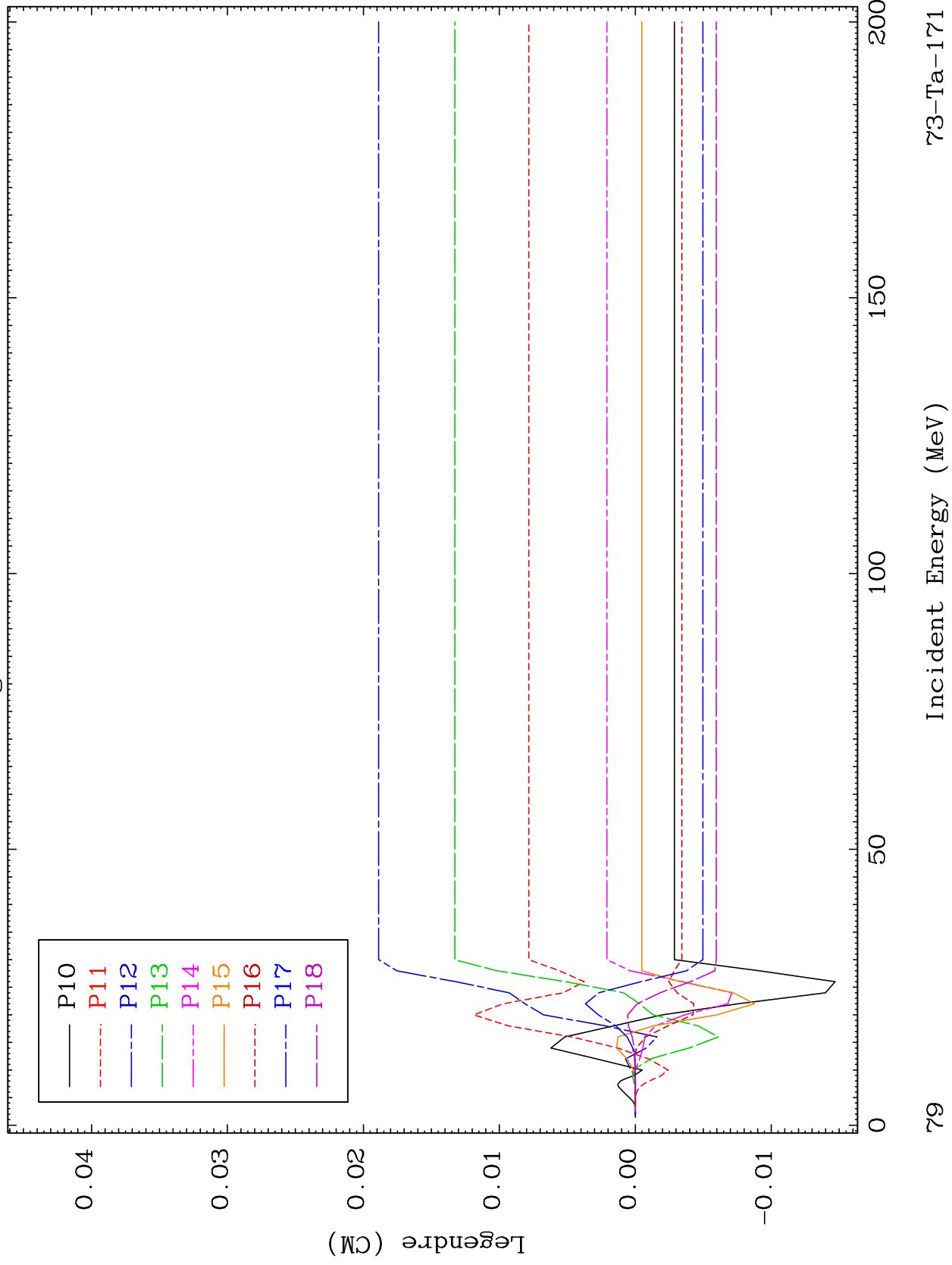




MAT 7298

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

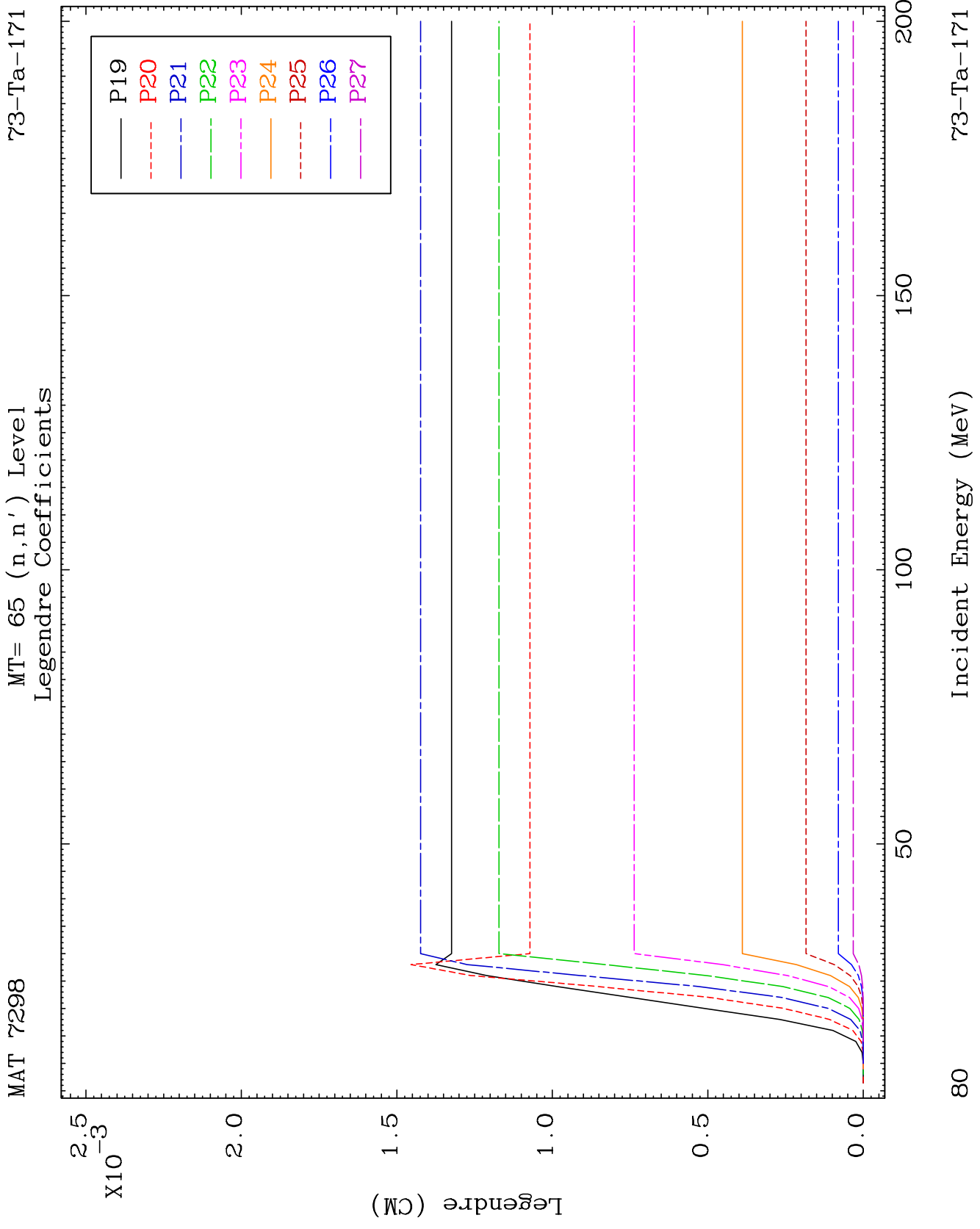
73-Ta-171



79

Incident Energy (MeV)

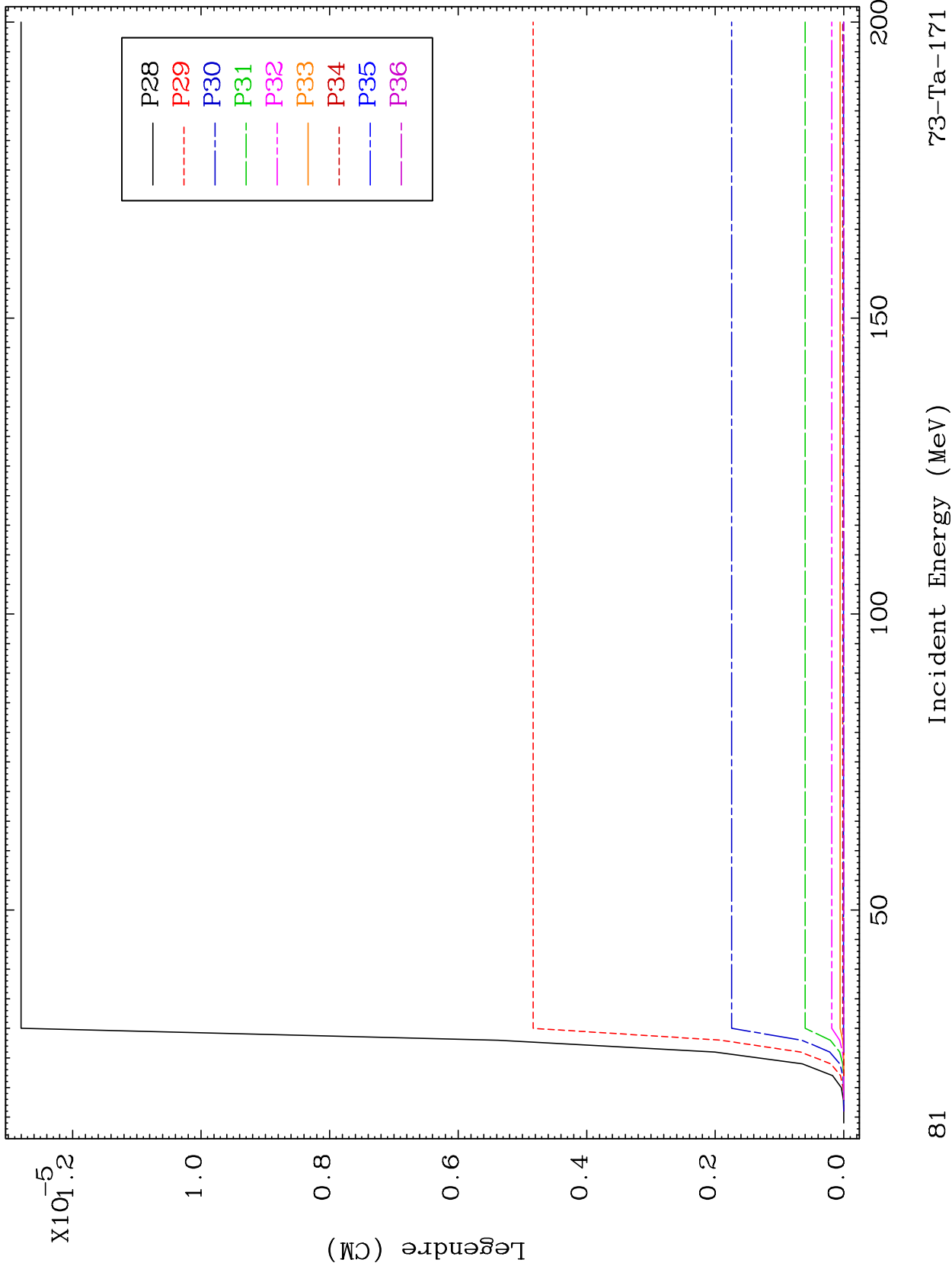
73-Ta-171



MAT 7298

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

73-Ta-171



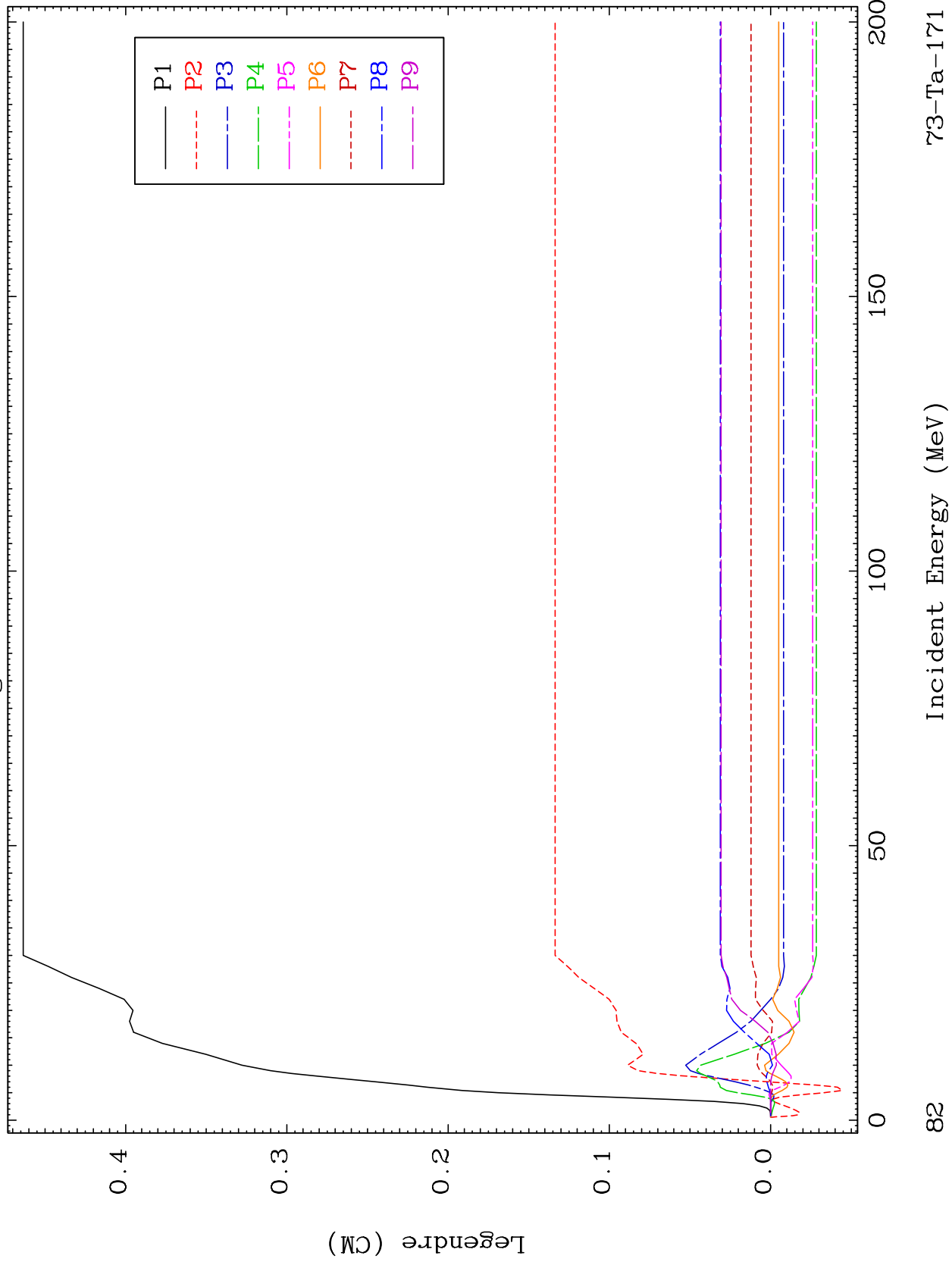
81

73-Ta-171

MAT 7298

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

73-Ta-171



73-Ta-171

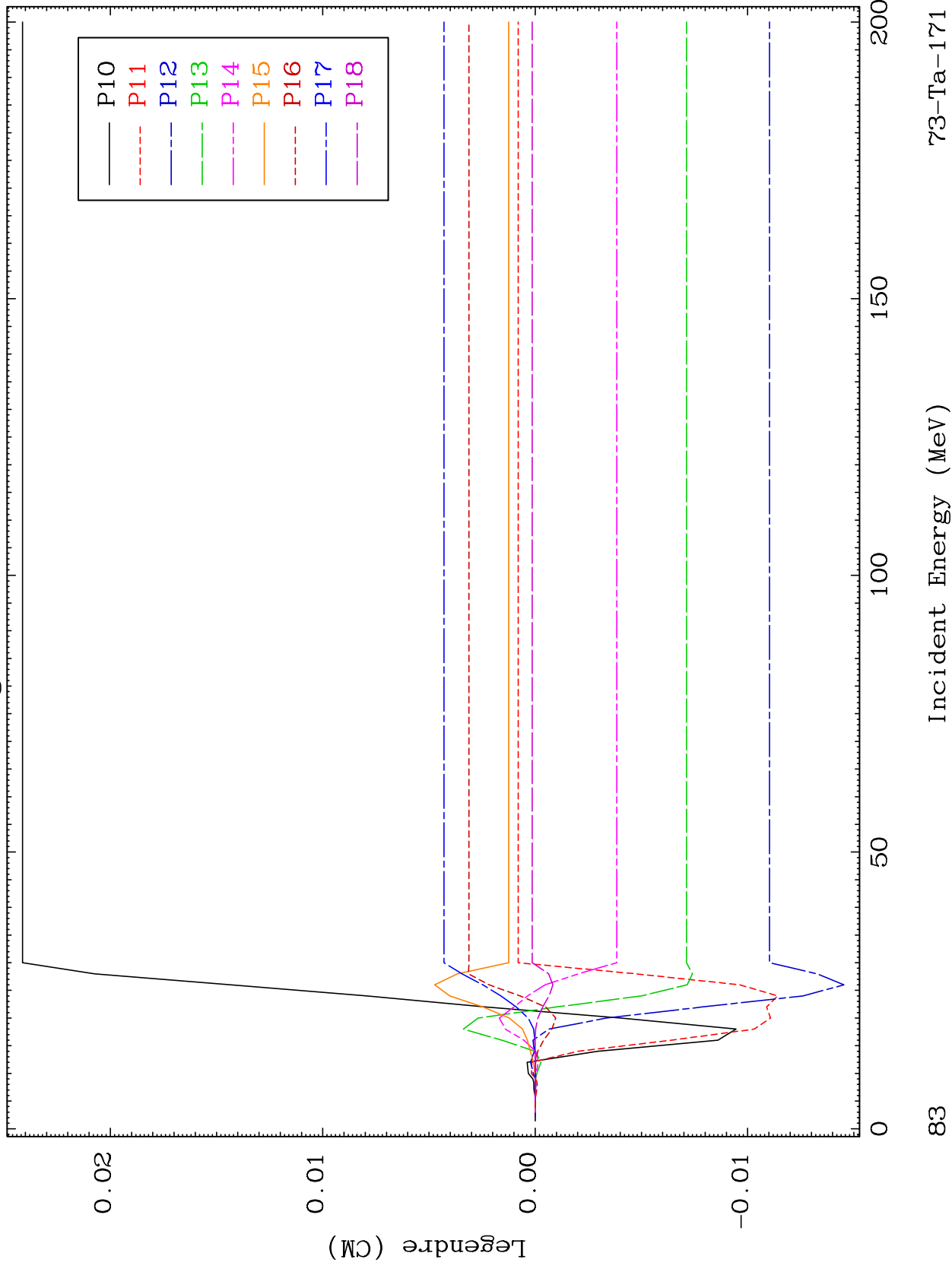
Incident Energy (MeV)

82

MAT 7298

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

73-Ta-171



73-Ta-171

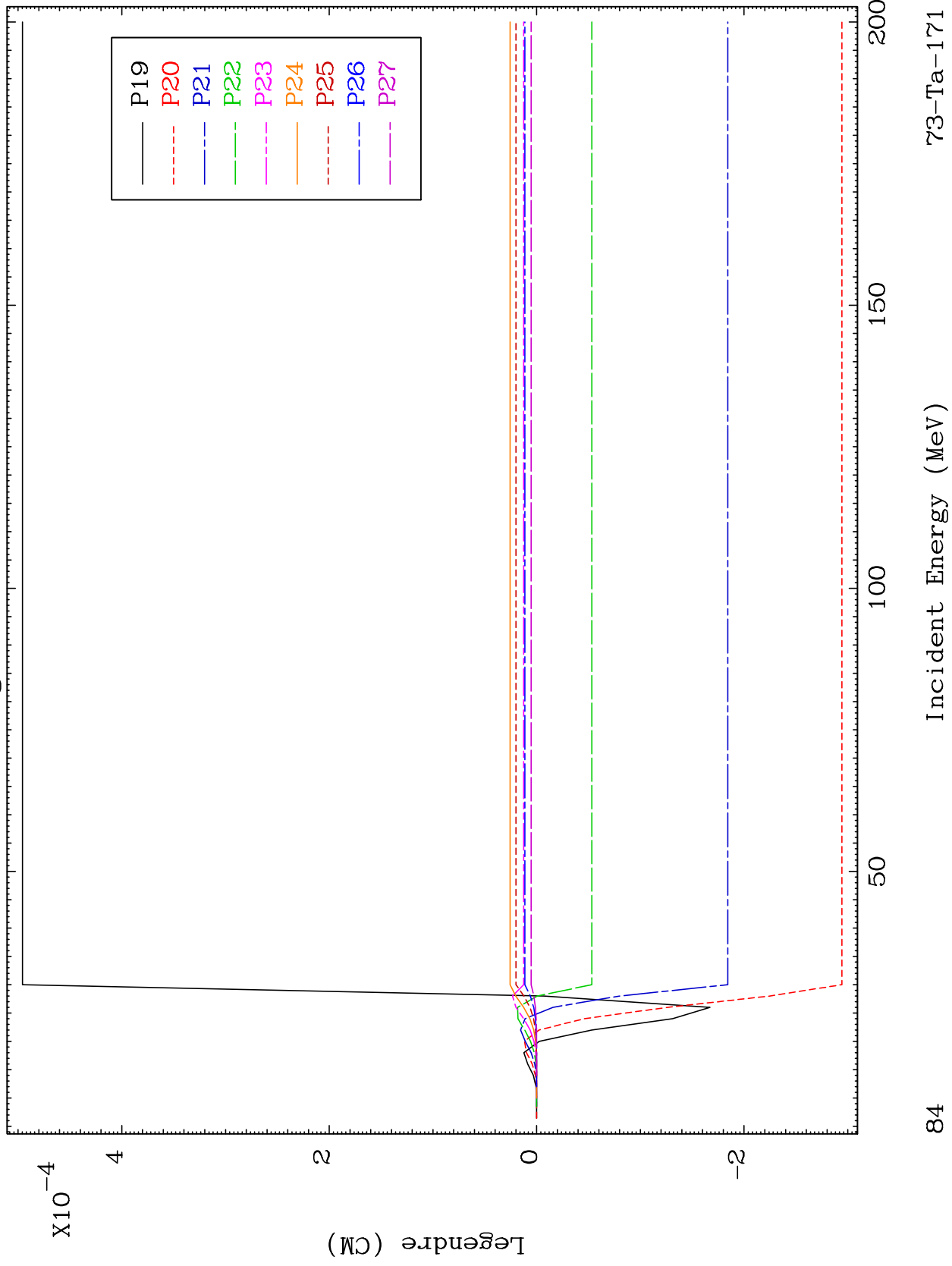
Incident Energy (MeV)

83

MAT 7298

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

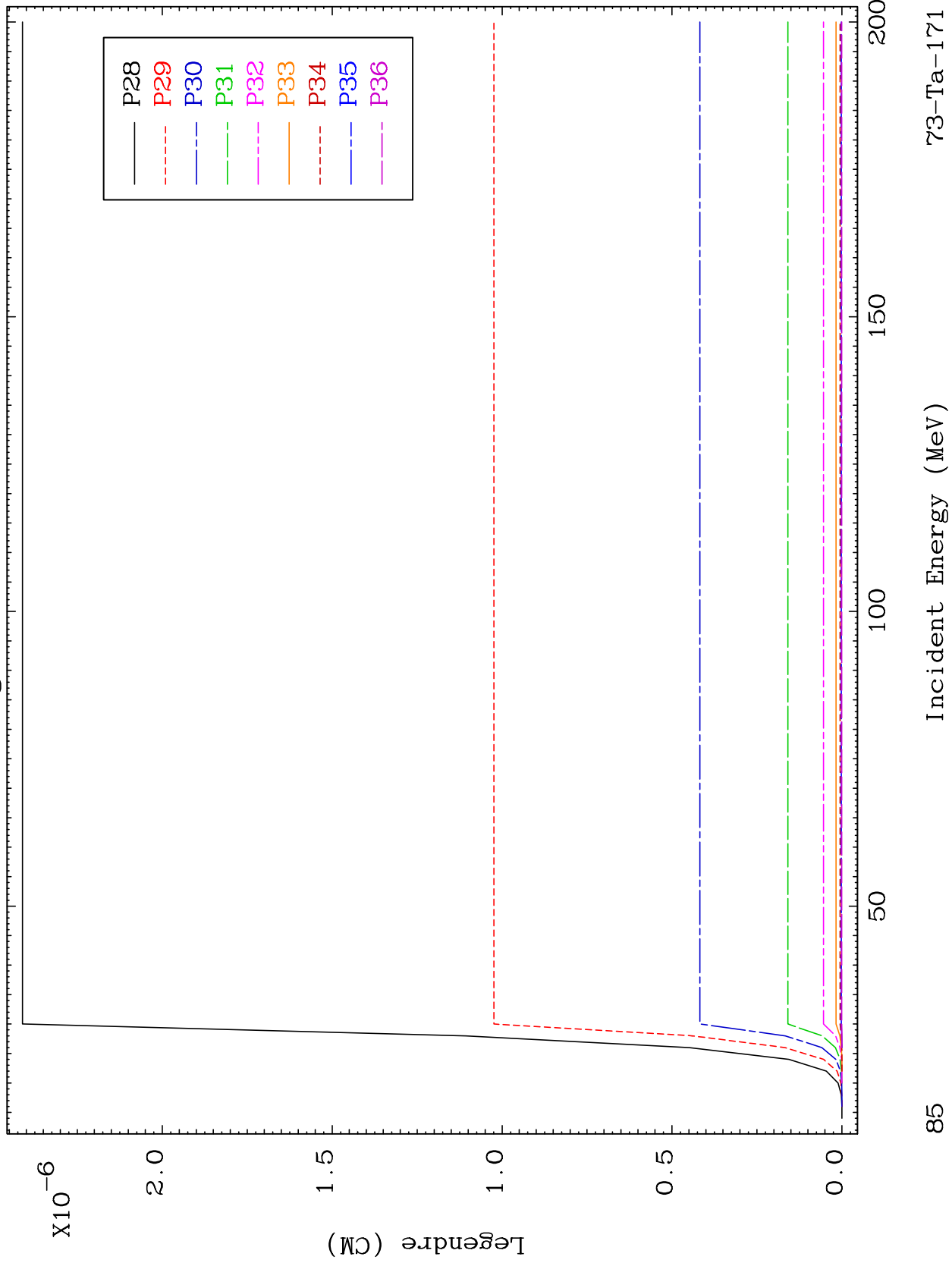
73-Ta-171

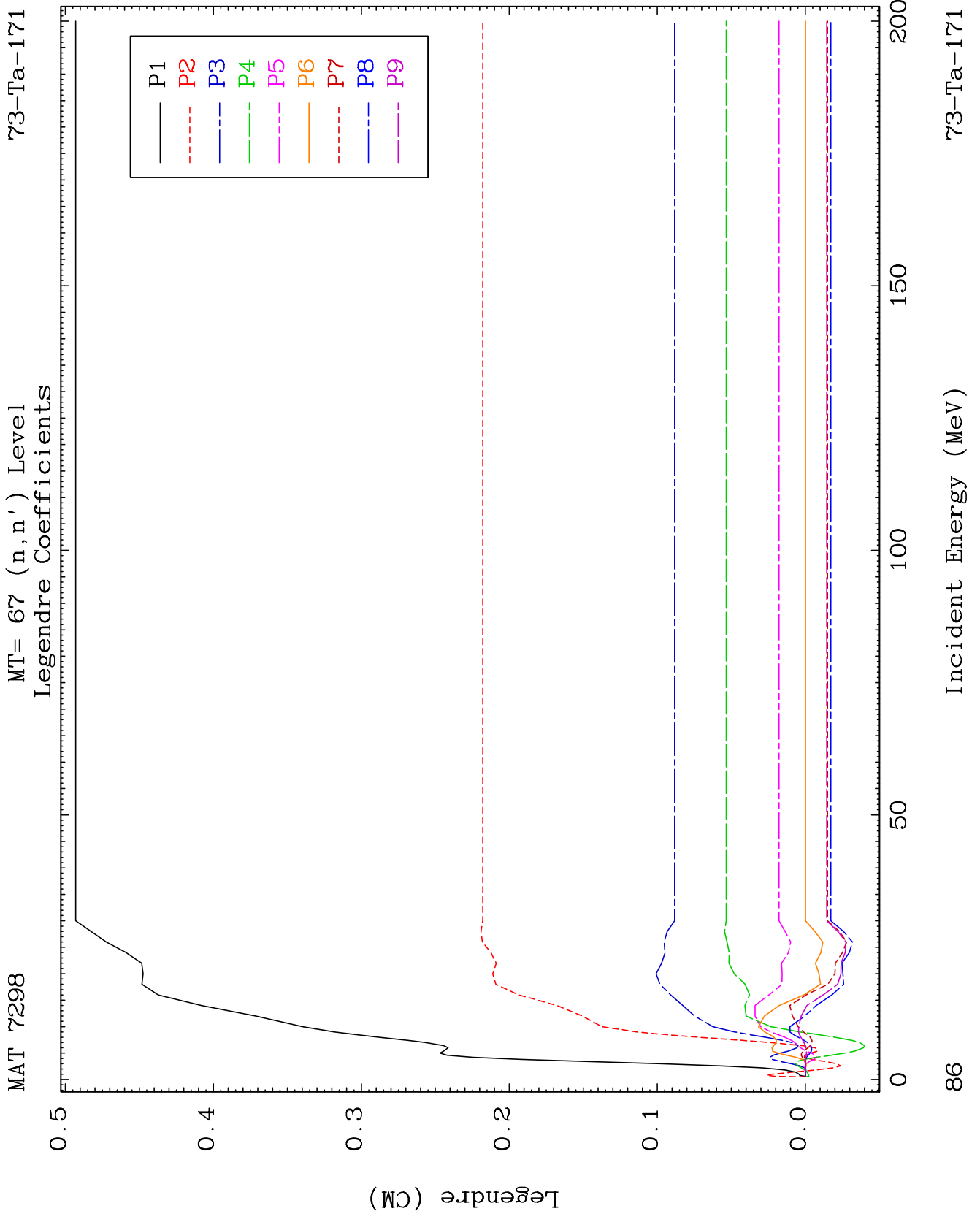


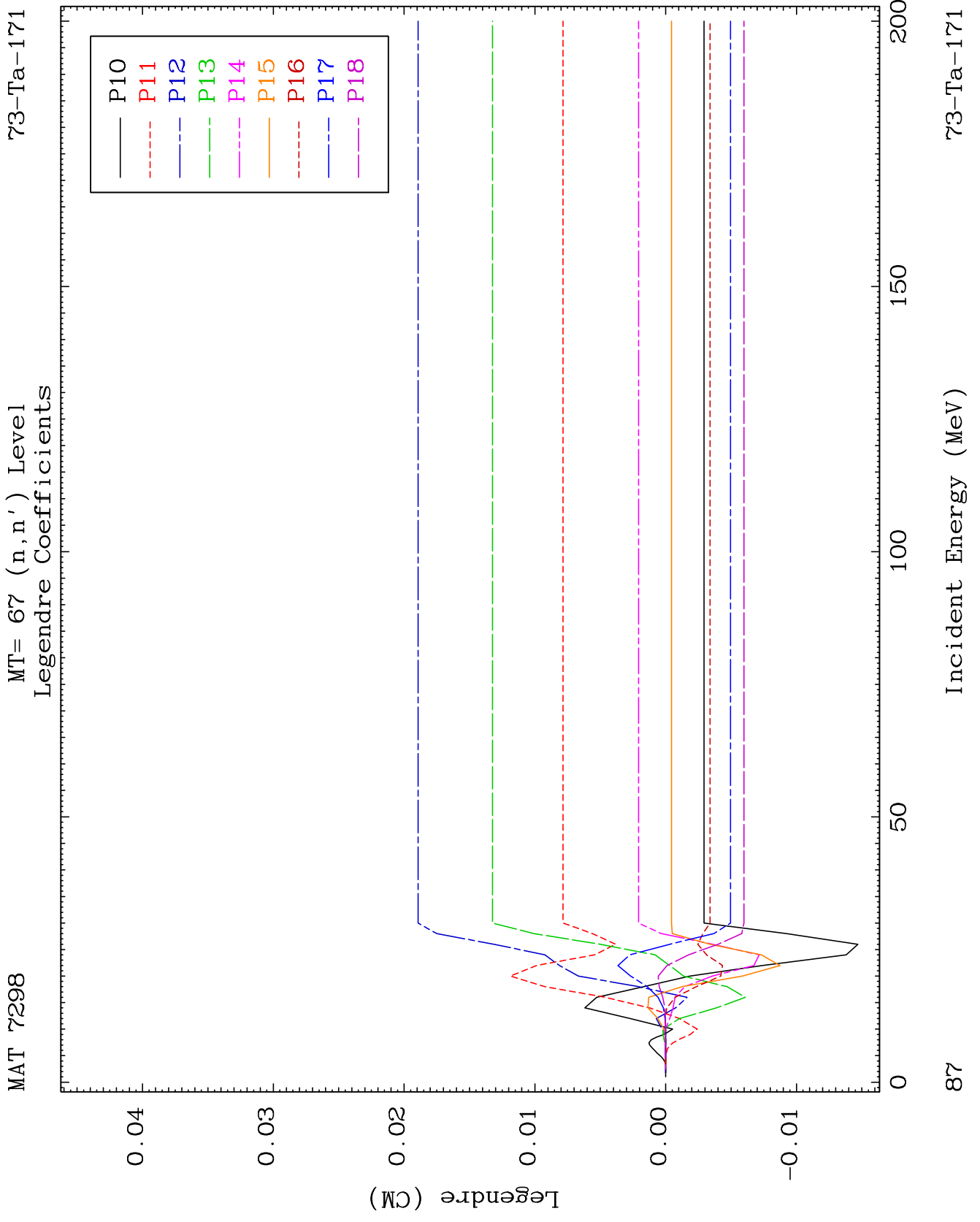
MAT 7298

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

73-Ta-171



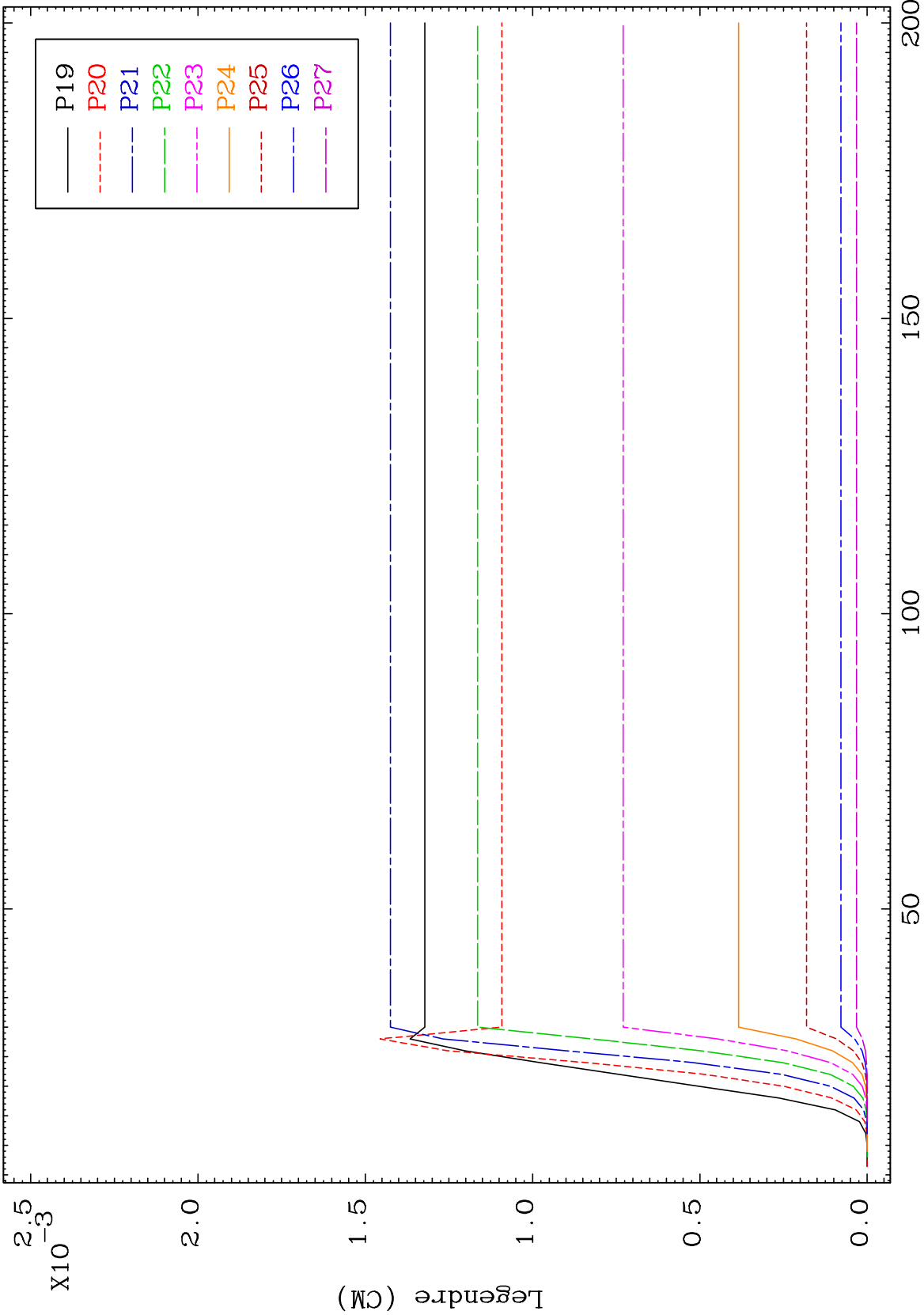




MAT 7298

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

73-Ta-171



88

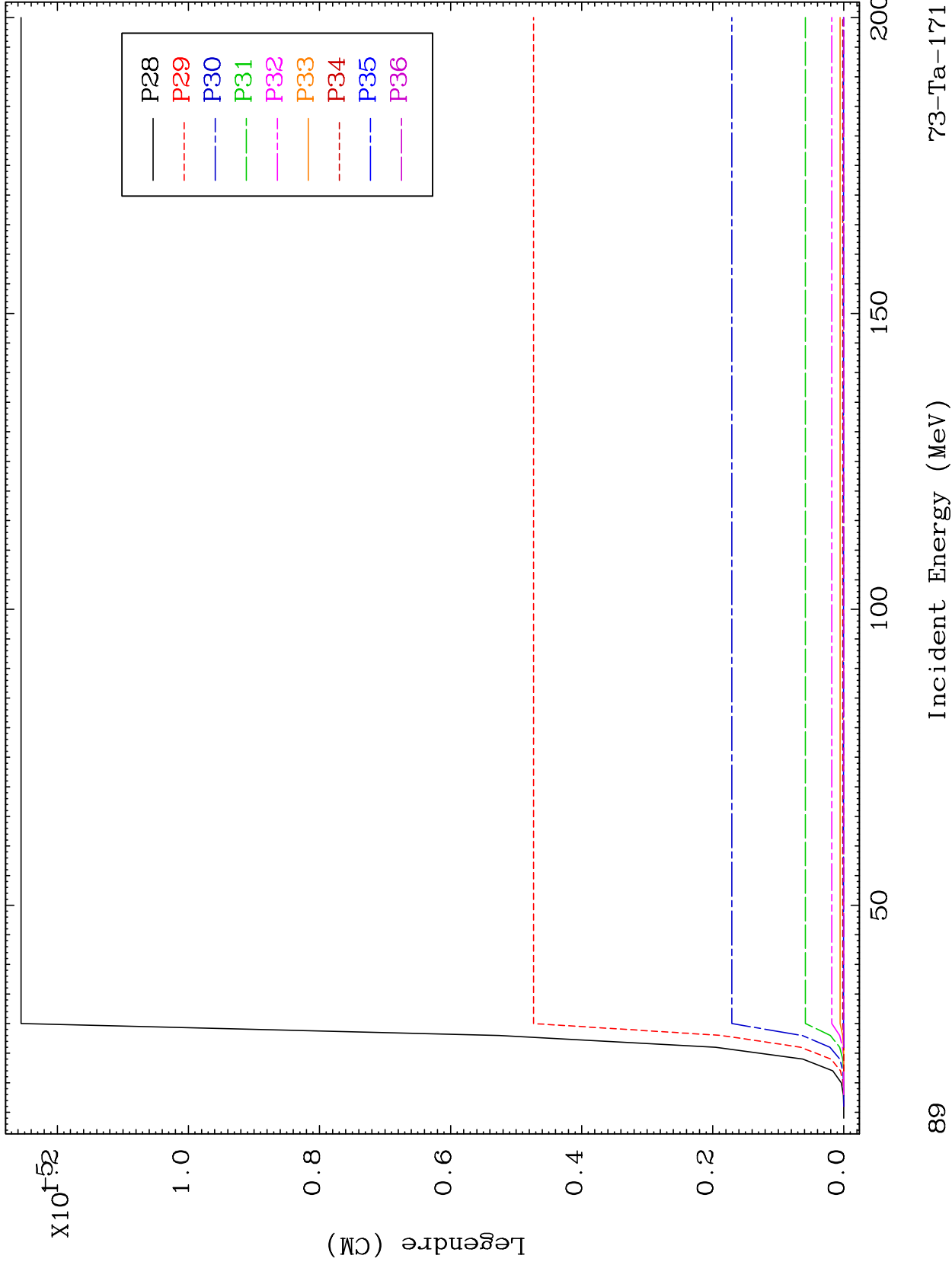
Incident Energy (MeV)

73-Ta-171

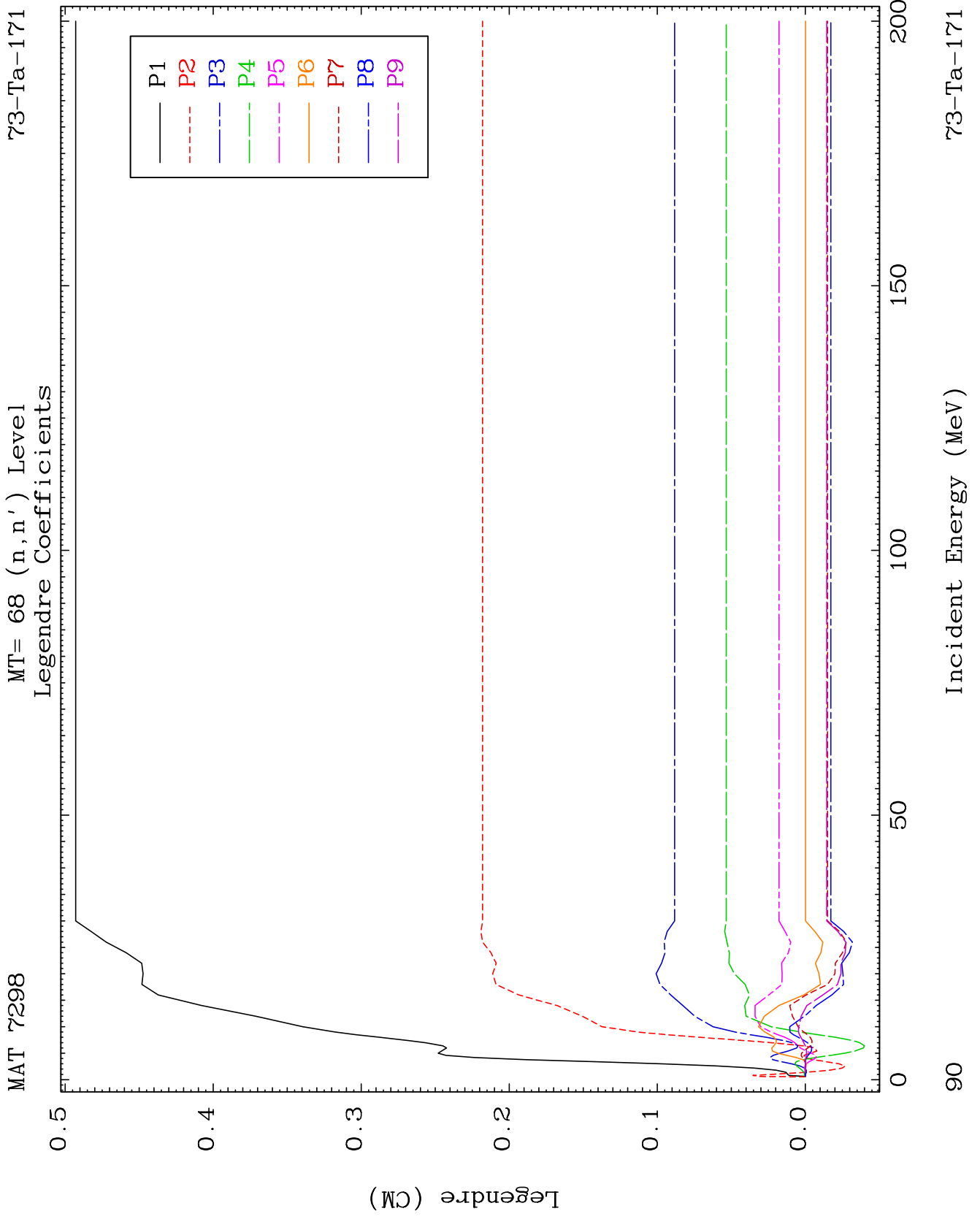
MAT 7298

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

73-Ta-171



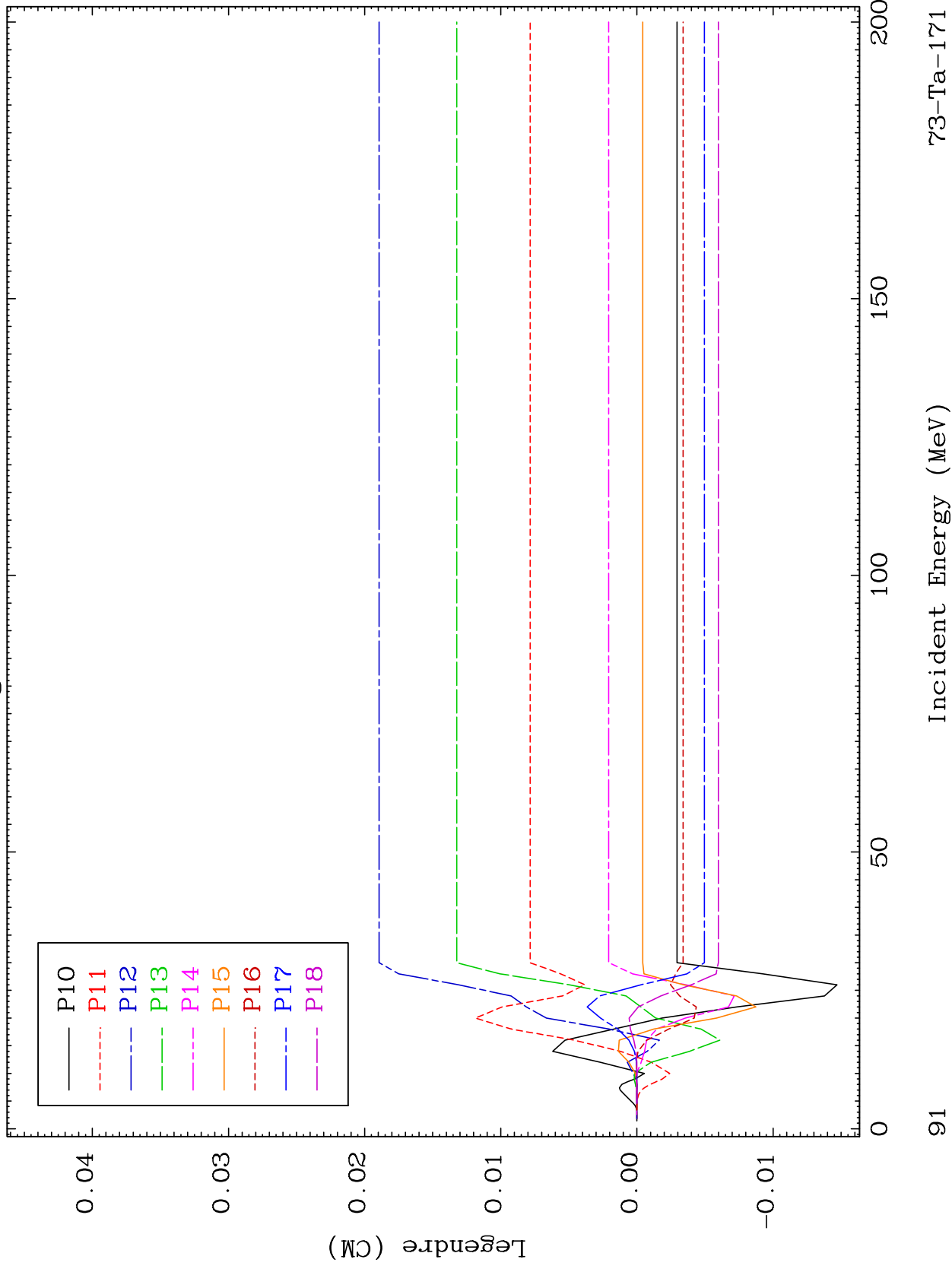
89



MAT 7298

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

73-Ta-171



91

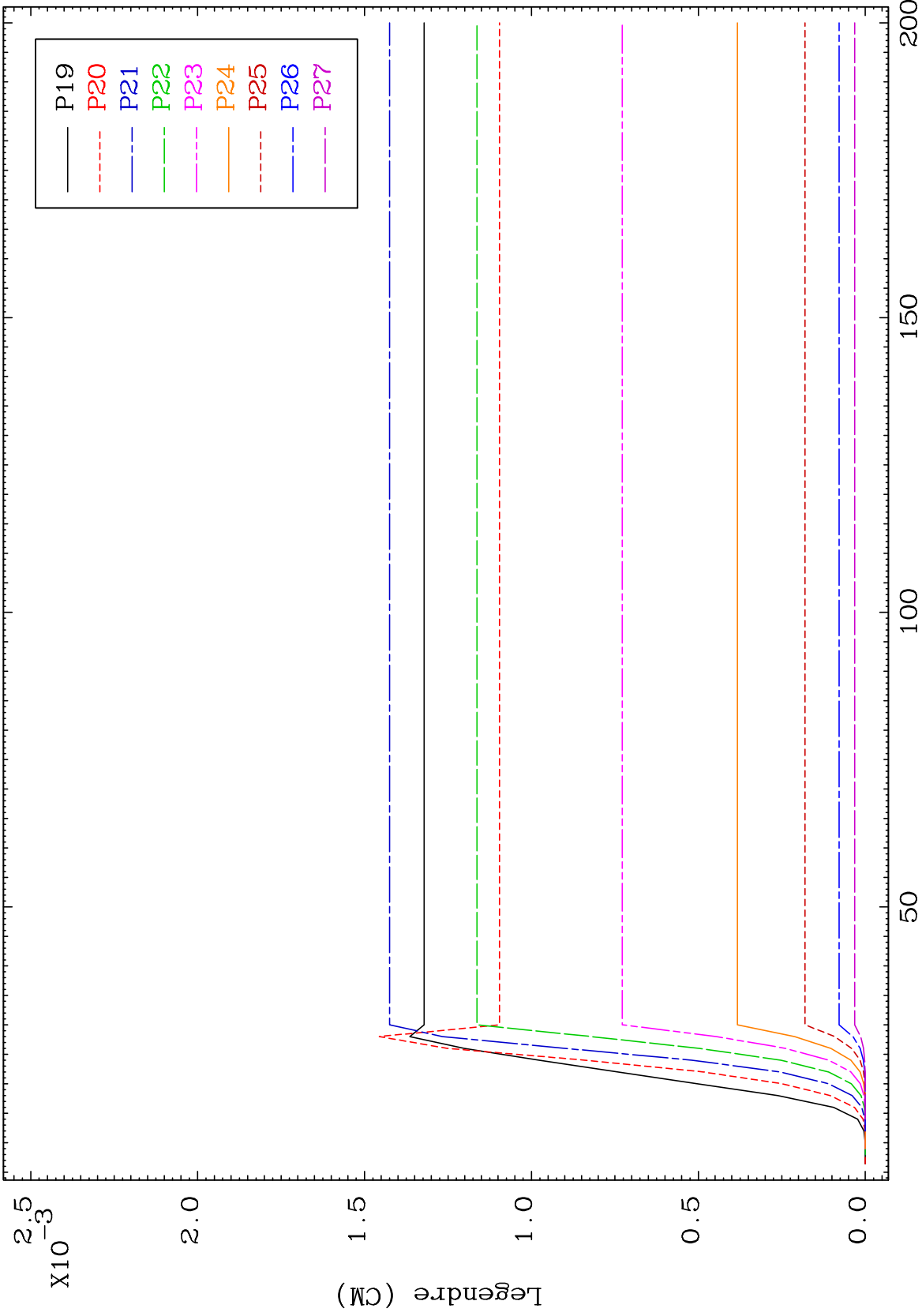
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

73-Ta-171



92

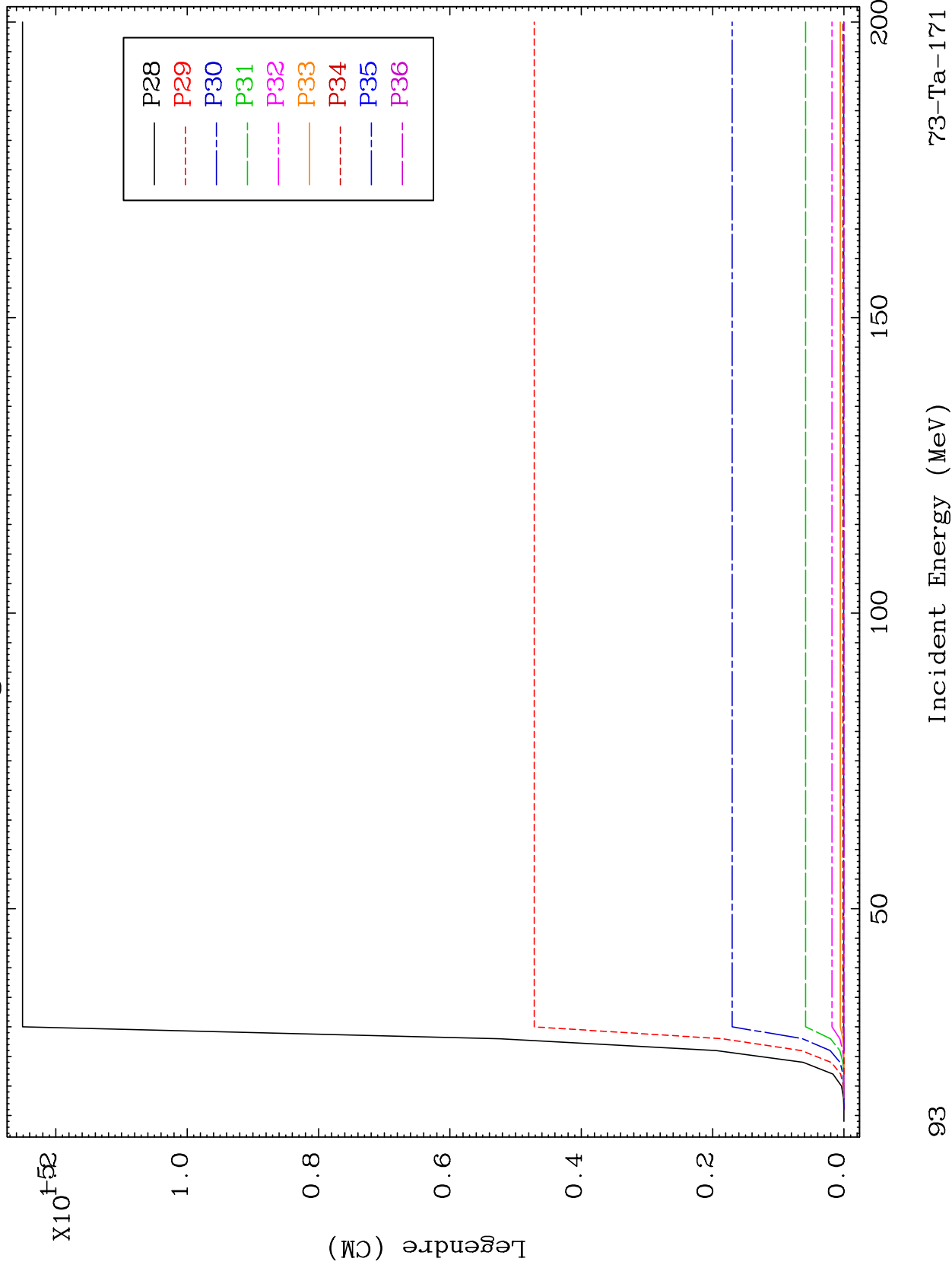
Incident Energy (MeV)

73-Ta-171

MAT 7298

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

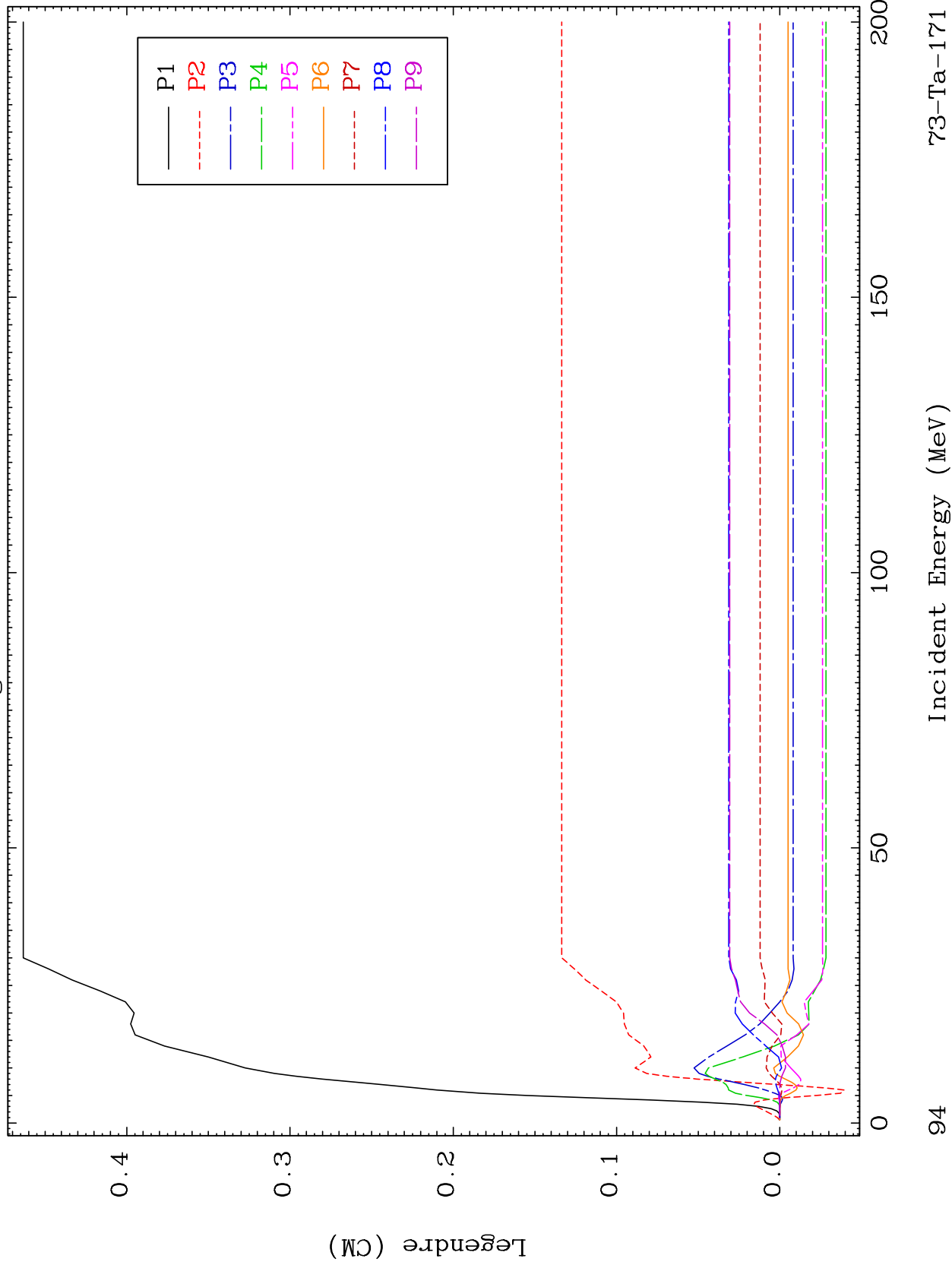
73-Ta-171



MAT 7298

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

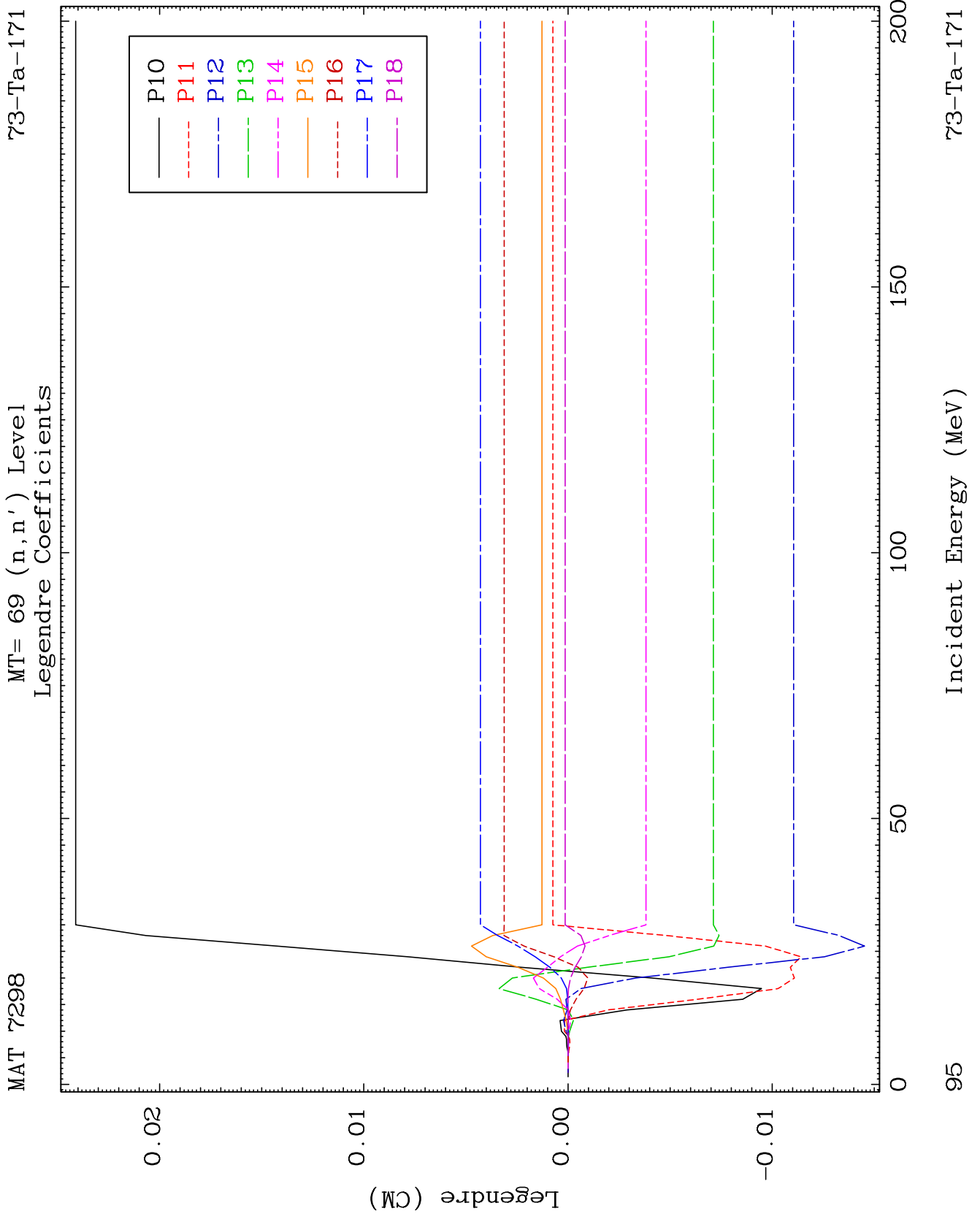
73-Ta-171



94

Incident Energy (MeV)

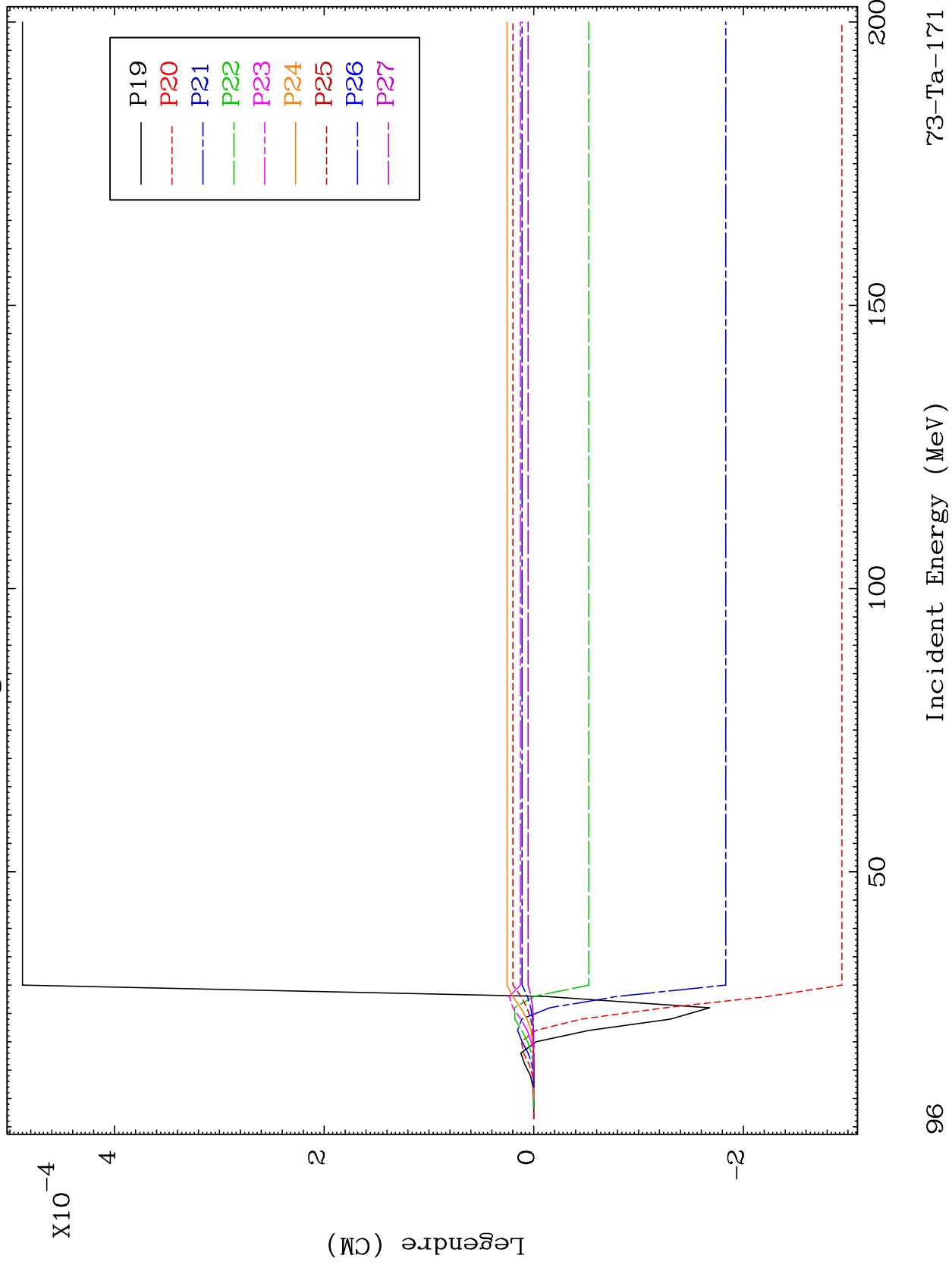
73-Ta-171



MAT 7298

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

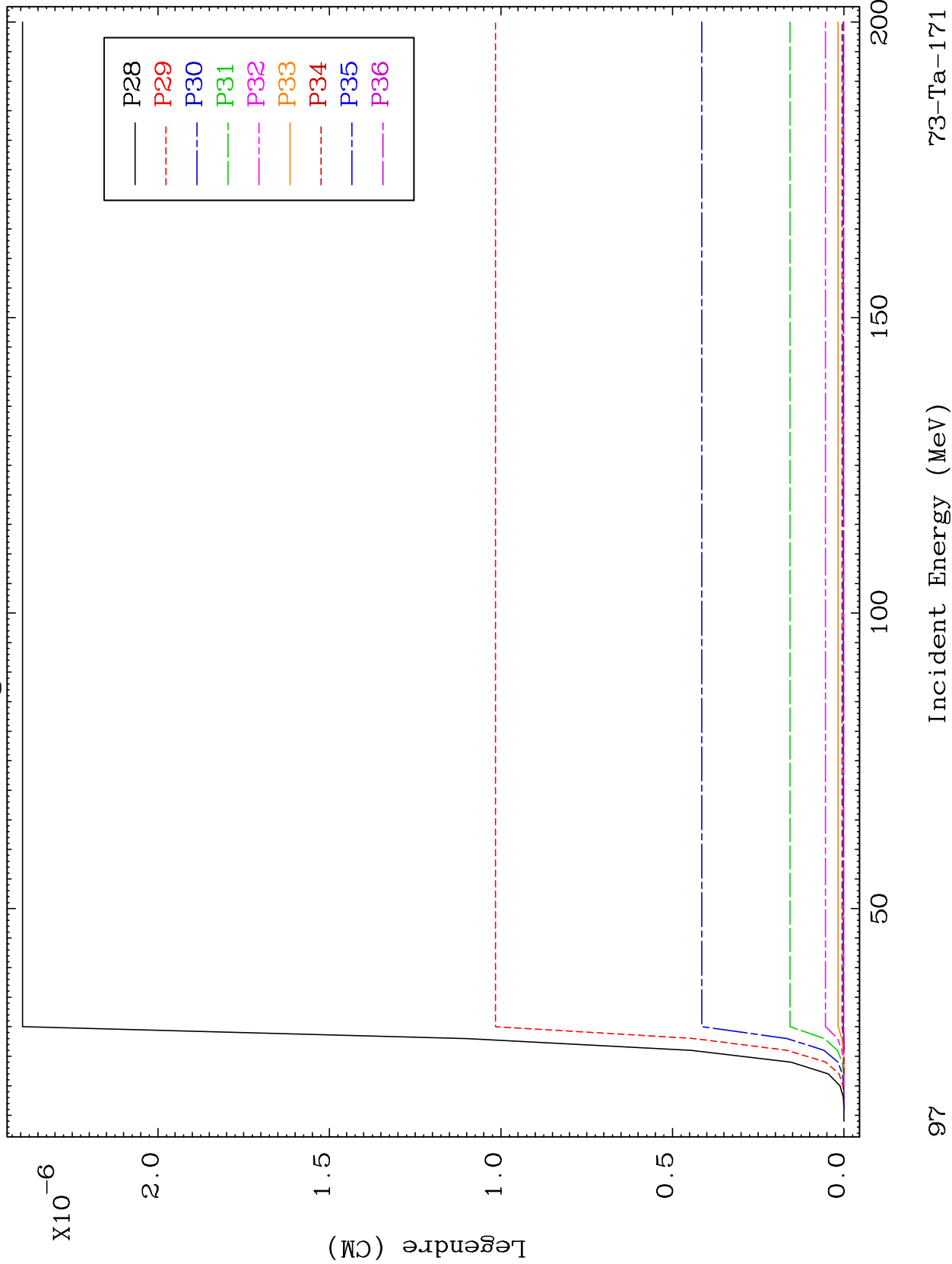
73-Ta-171



MAT 7298

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

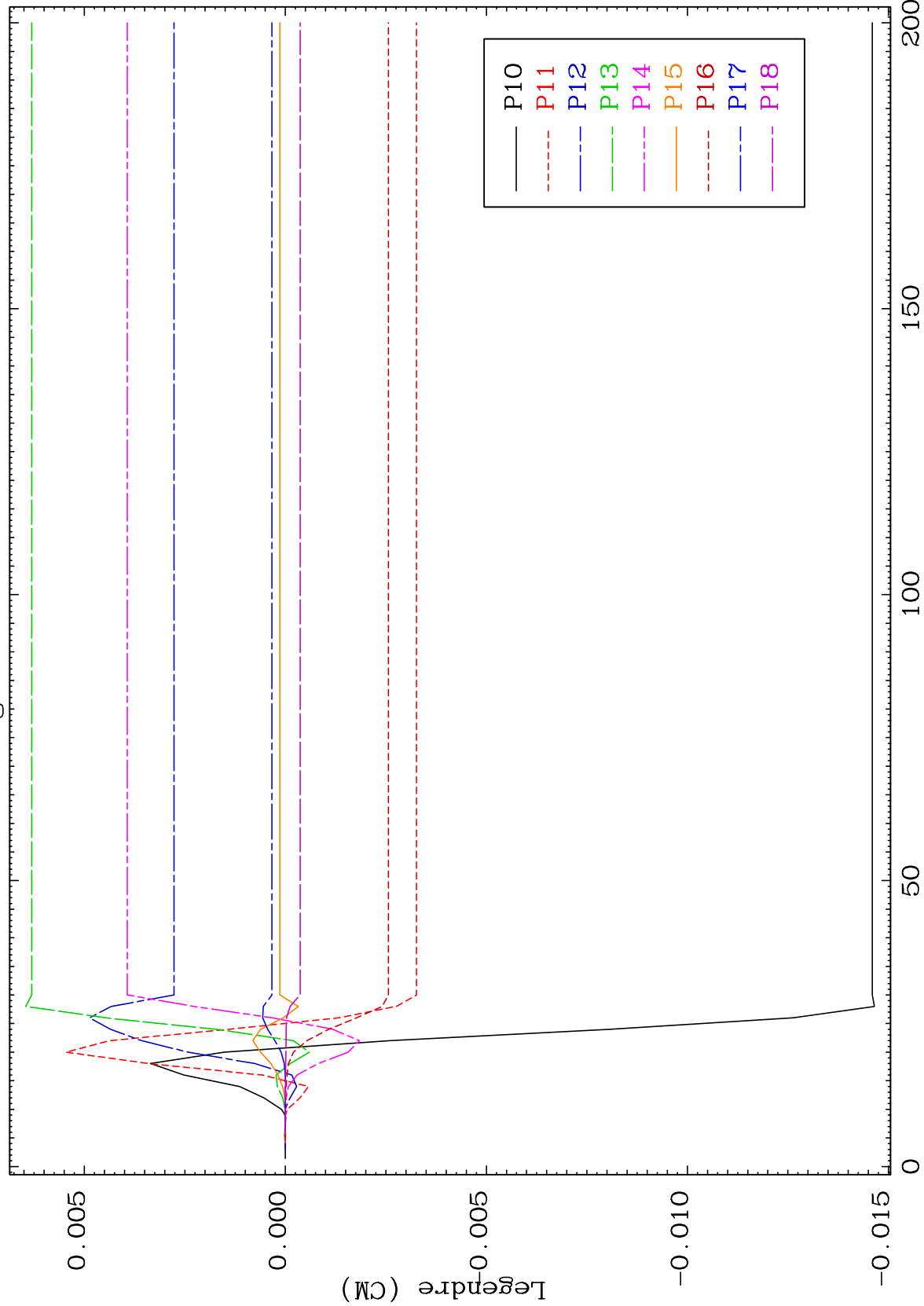
73-Ta-171



MAT 7298

MT= 70 (n,n') Level
Legendre Coefficients

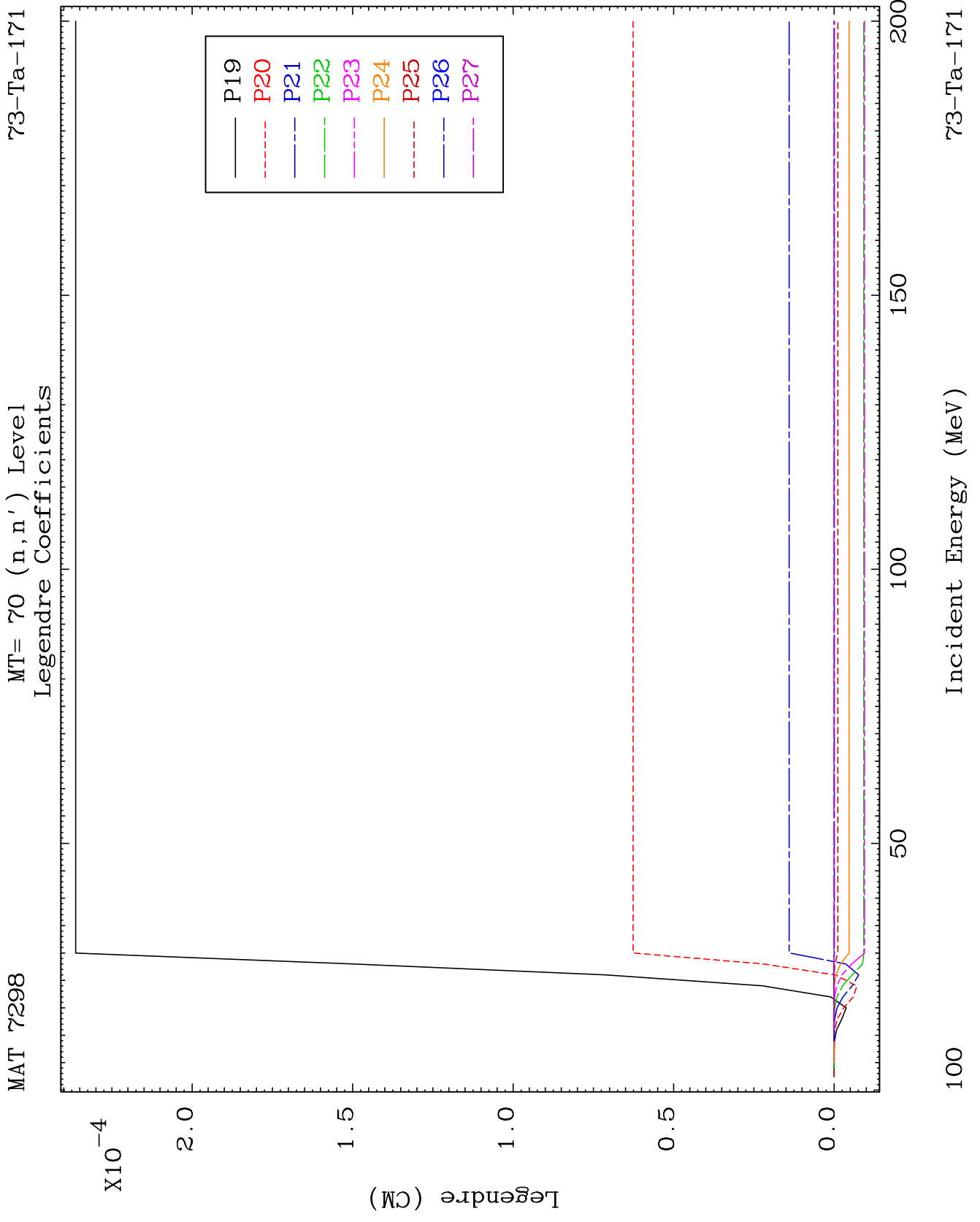
73-Ta-171



99

Incident Energy (MeV)

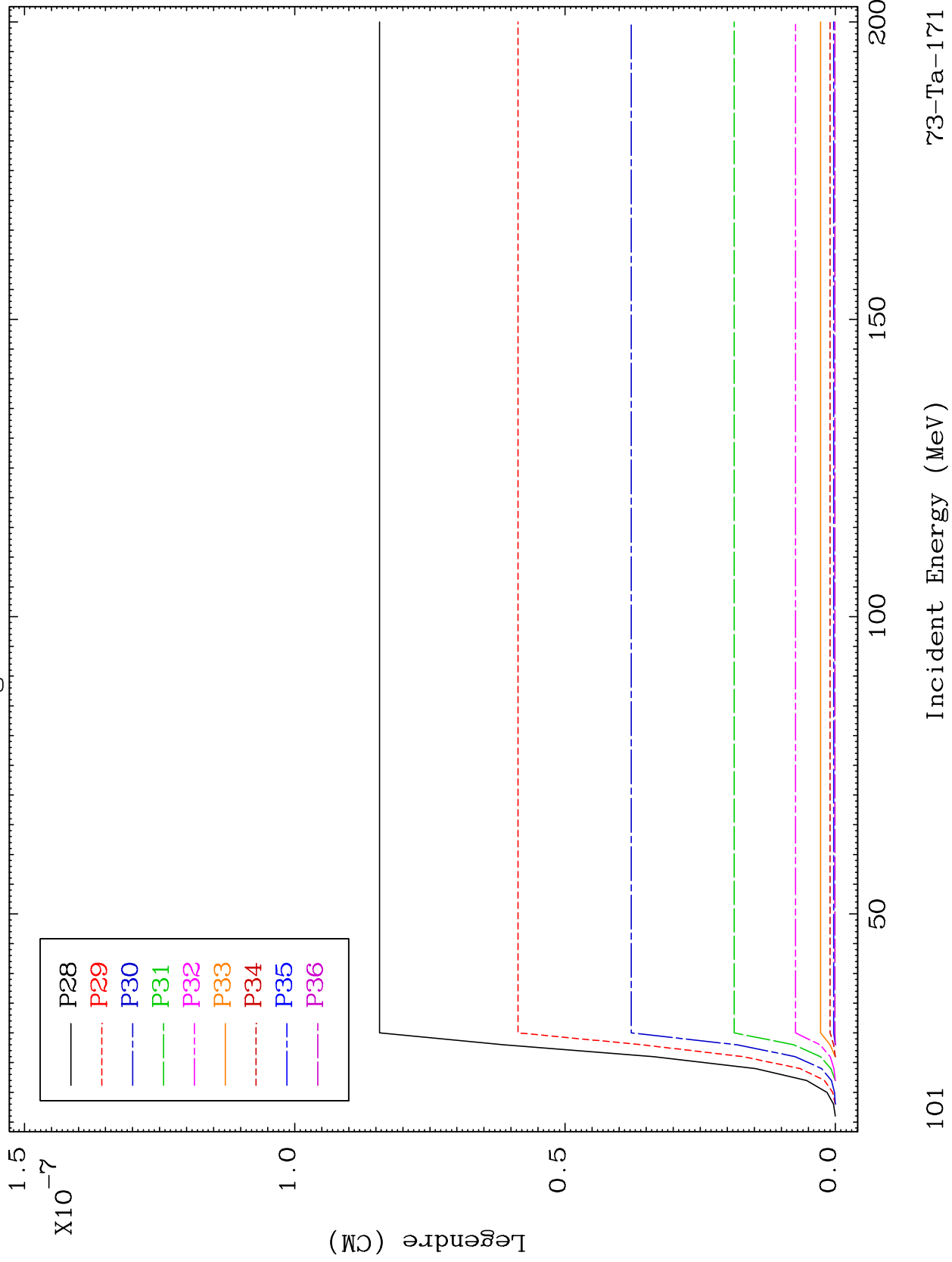
73-Ta-171



MAT 7298

MT= 70 (n,n') Level
Legendre Coefficients

⁷³Ta-171



101

Incident Energy (MeV)

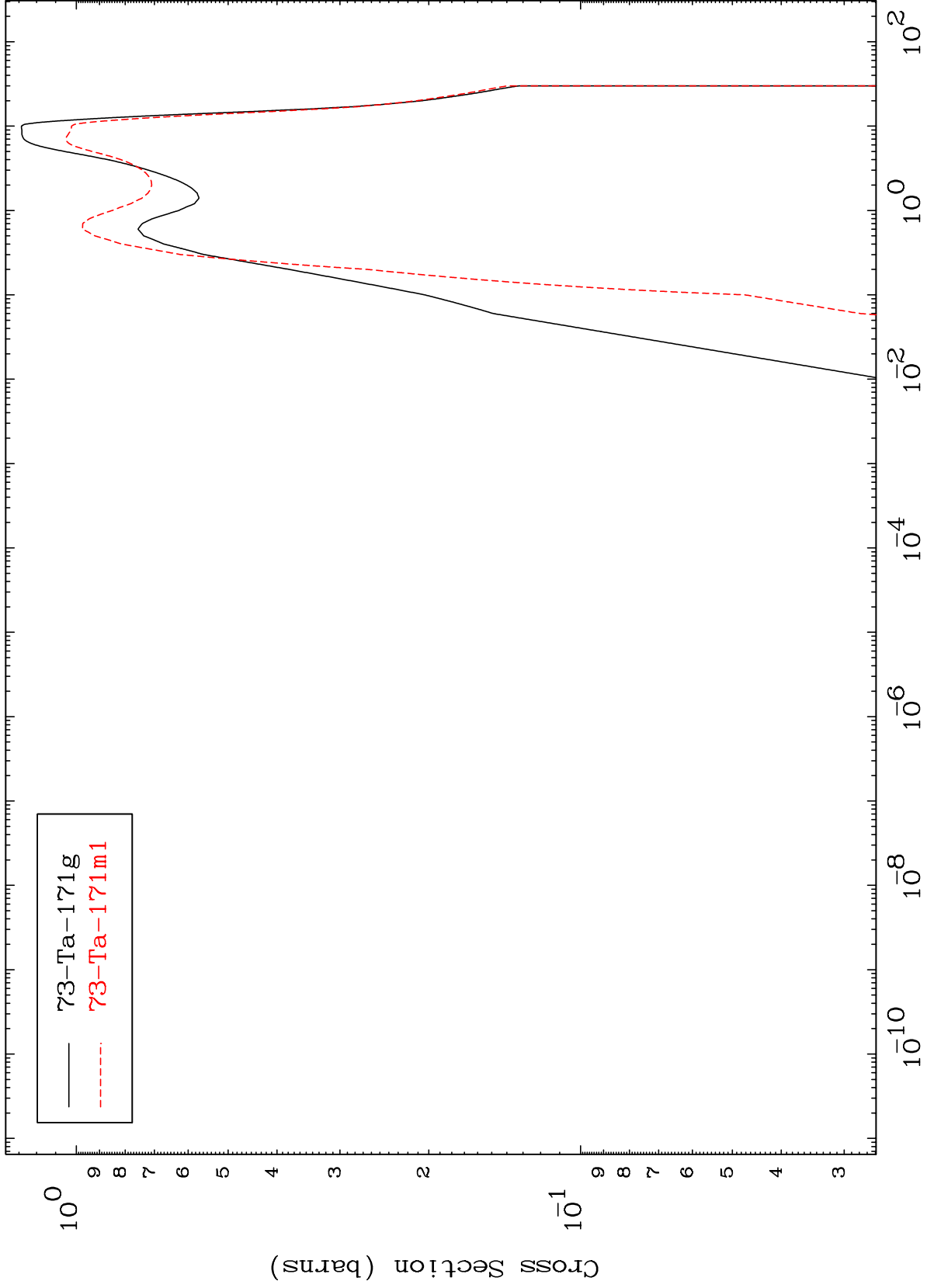
⁷³Ta-171

MAT 7298

Inelastic

⁷³Ta-171

Radionuclide Production Cross Section



102

Incident Energy (MeV)

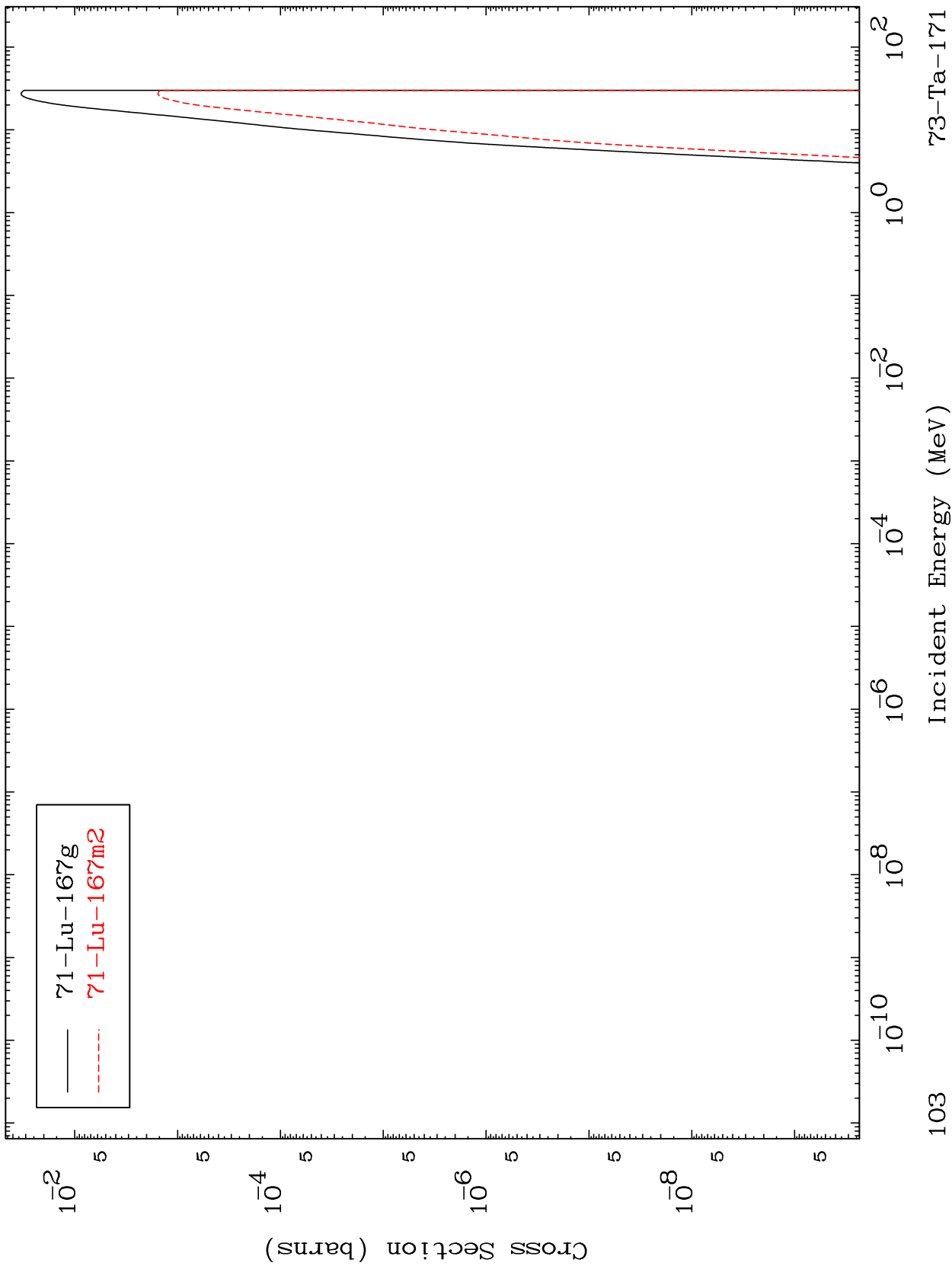
⁷³Ta-171

MAT 7298

$(n, n') \alpha$

73-Ta-171

Radionuclide Production Cross Section



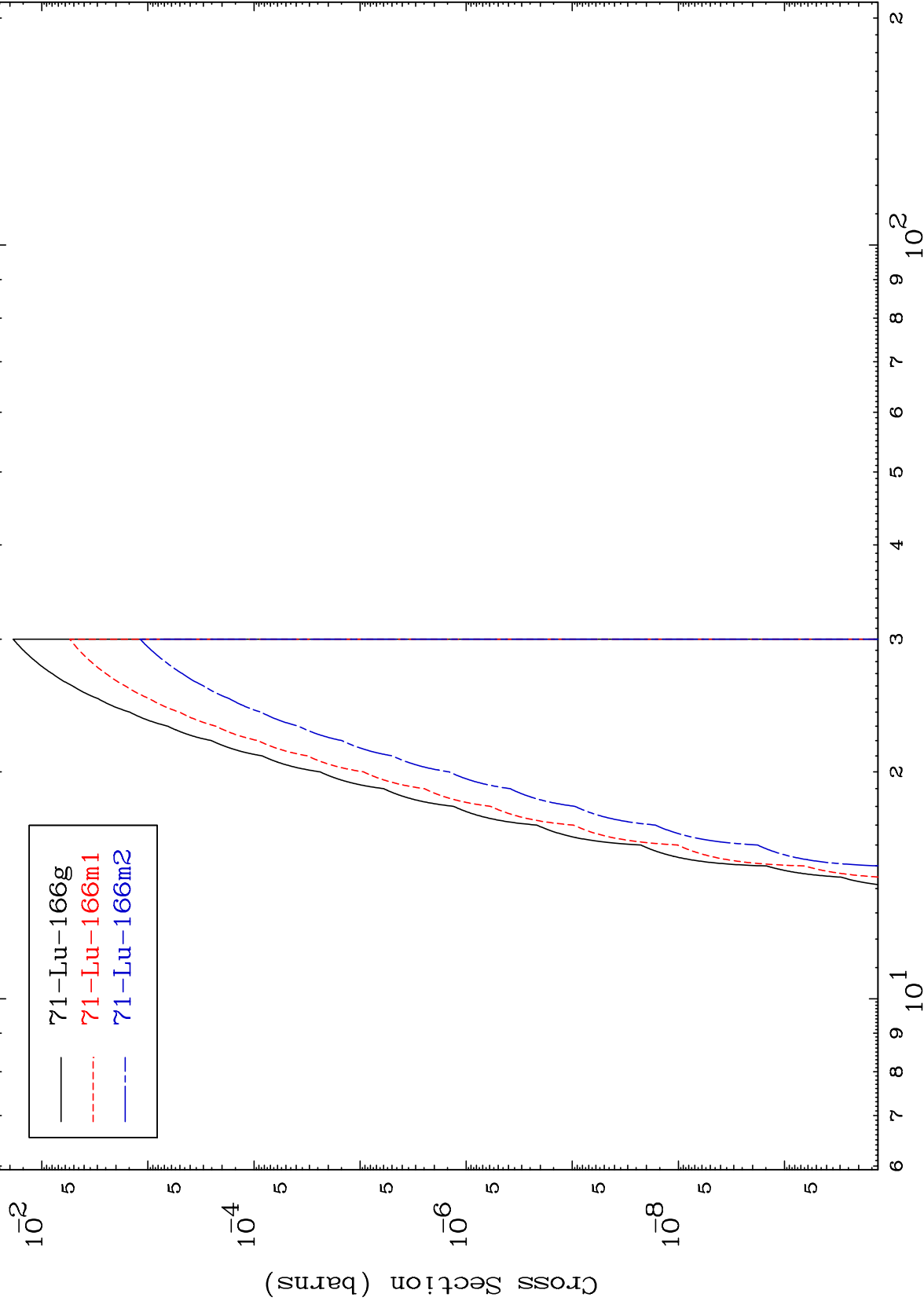
71-Lu-167g
71-Lu-167m2

MAT 7298

$(n,2n)$ α

$^{73}\text{Ta-171}$

Radionuclide Production Cross Section



104

Incident Energy (MeV)

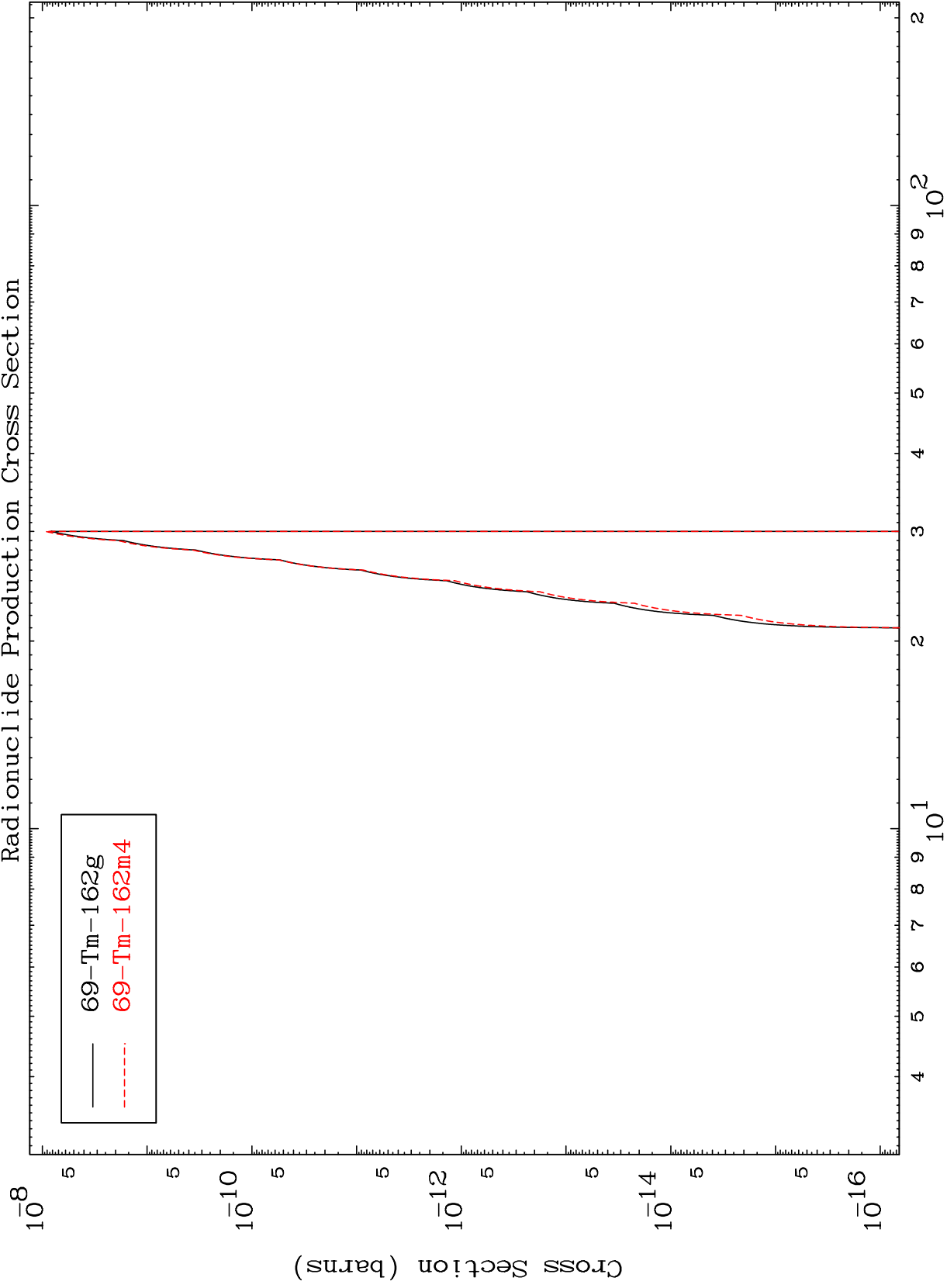
$^{73}\text{Ta-171}$

MAT 7298

$(n,2n) 2\alpha$

$^{73}\text{Ta-171}$

Radionuclide Production Cross Section



105

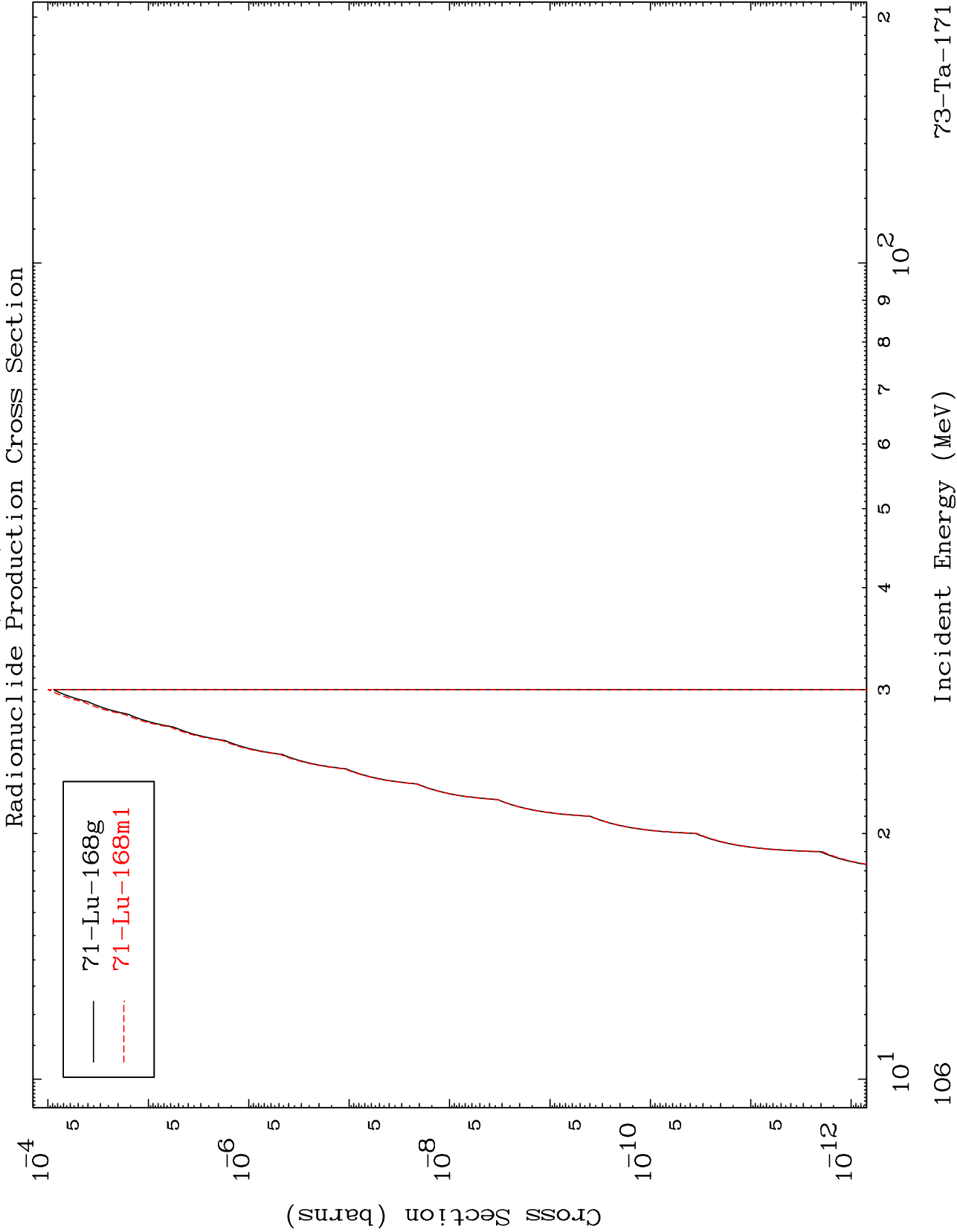
Incident Energy (MeV)

$^{73}\text{Ta-171}$

MAT 7298

(n,n') He-3

73-Ta-171



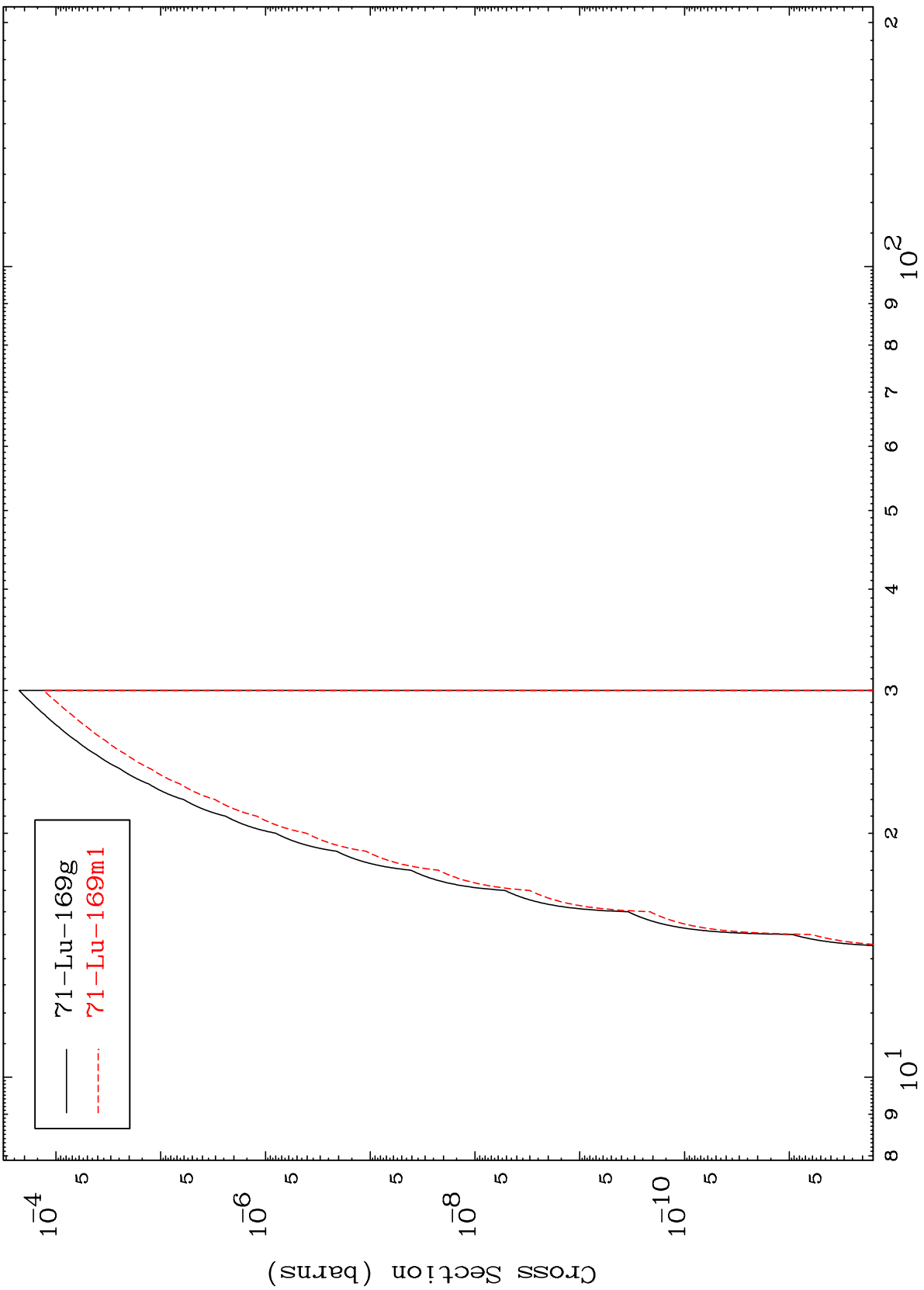
106

MAT 7298

(n,2n) p

⁷³Ta-171

Radionuclide Production Cross Section



107

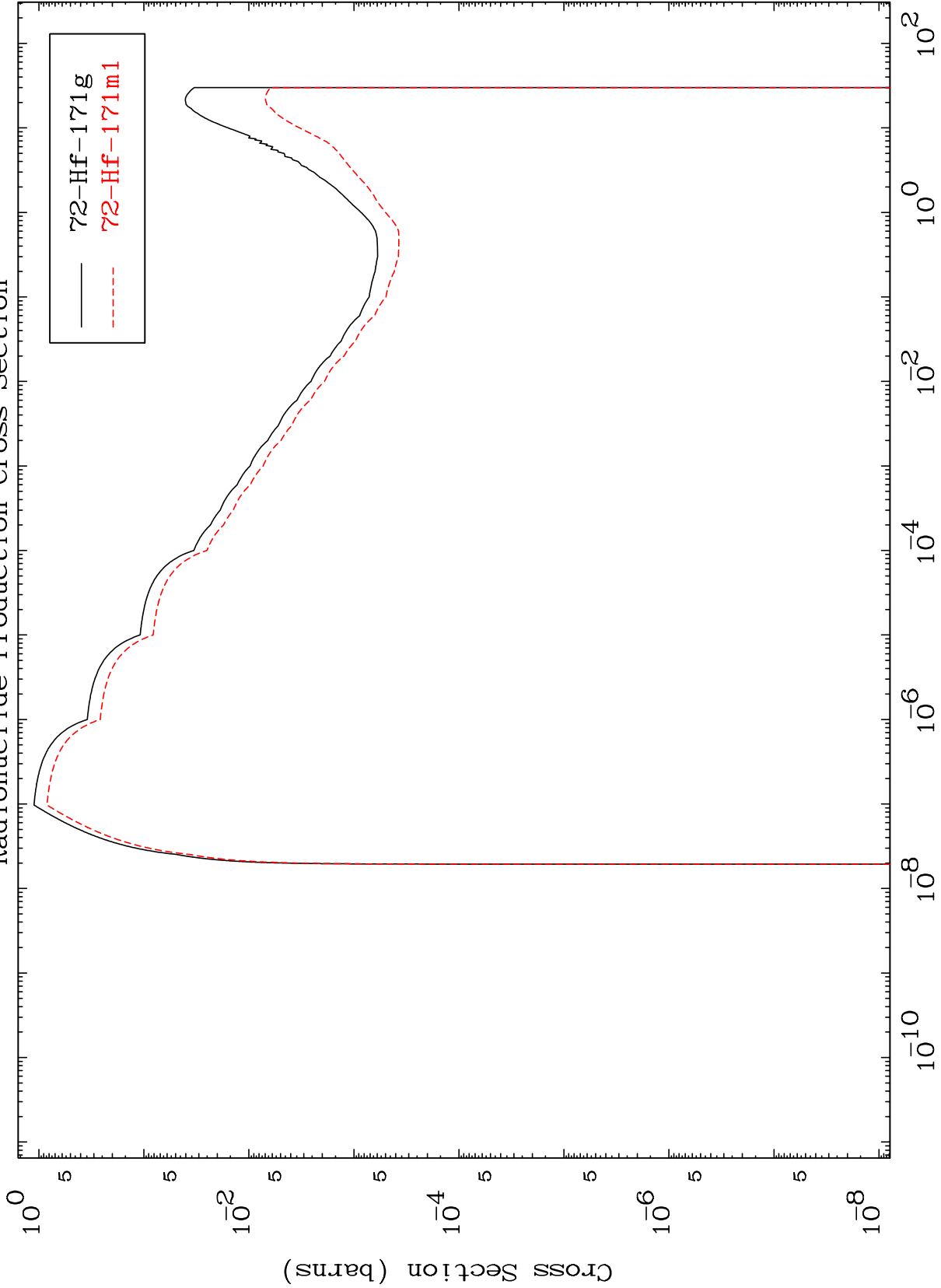
Incident Energy (MeV)

⁷³Ta-171

MAT 7298

73-Ta-171

(n,p)
Radionuclide Production Cross Section



108

73-Ta-171

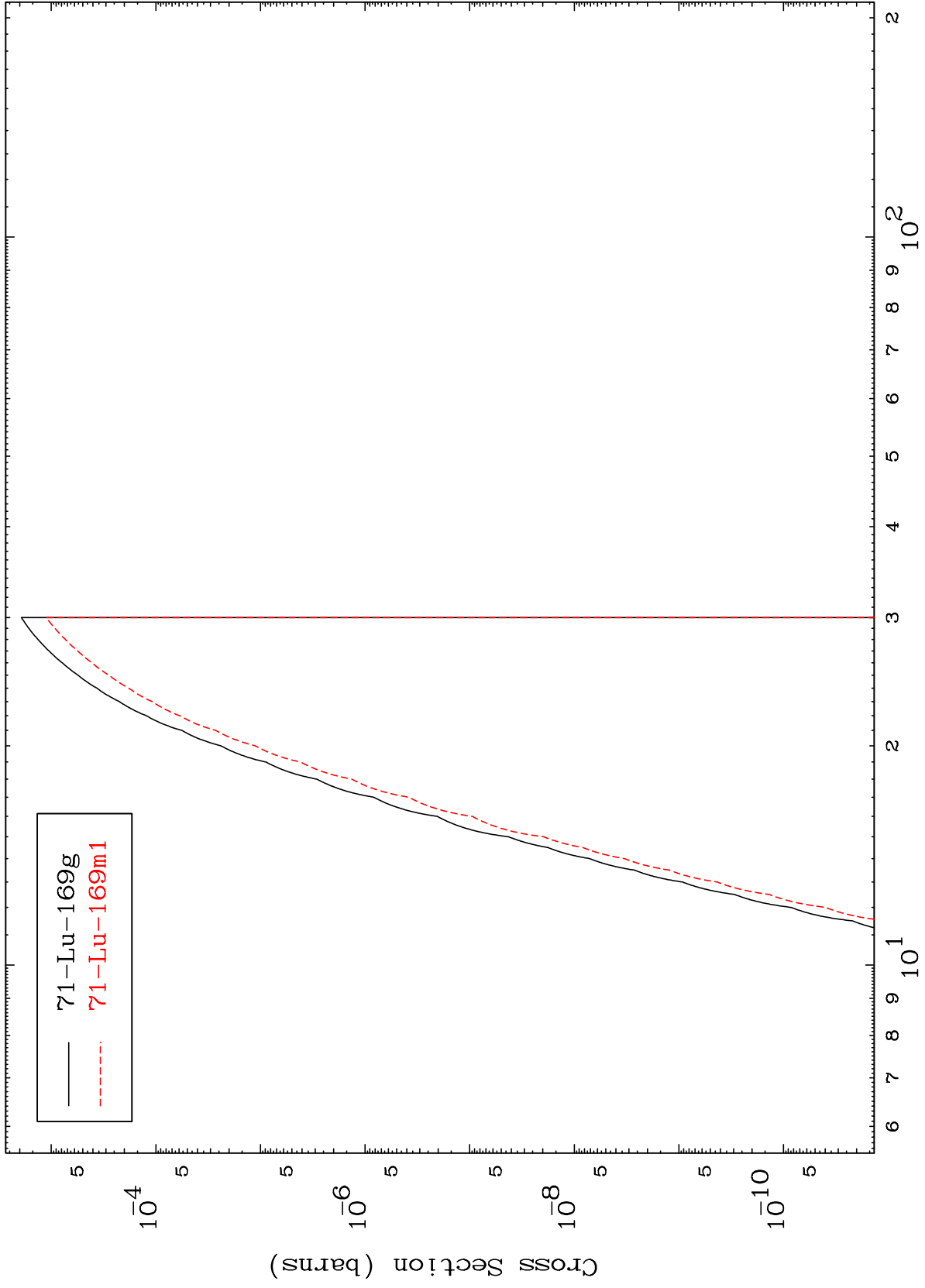
Incident Energy (MeV)

MAT 7298

(n,He-3)

73-Ta-171

Radionuclide Production Cross Section



109

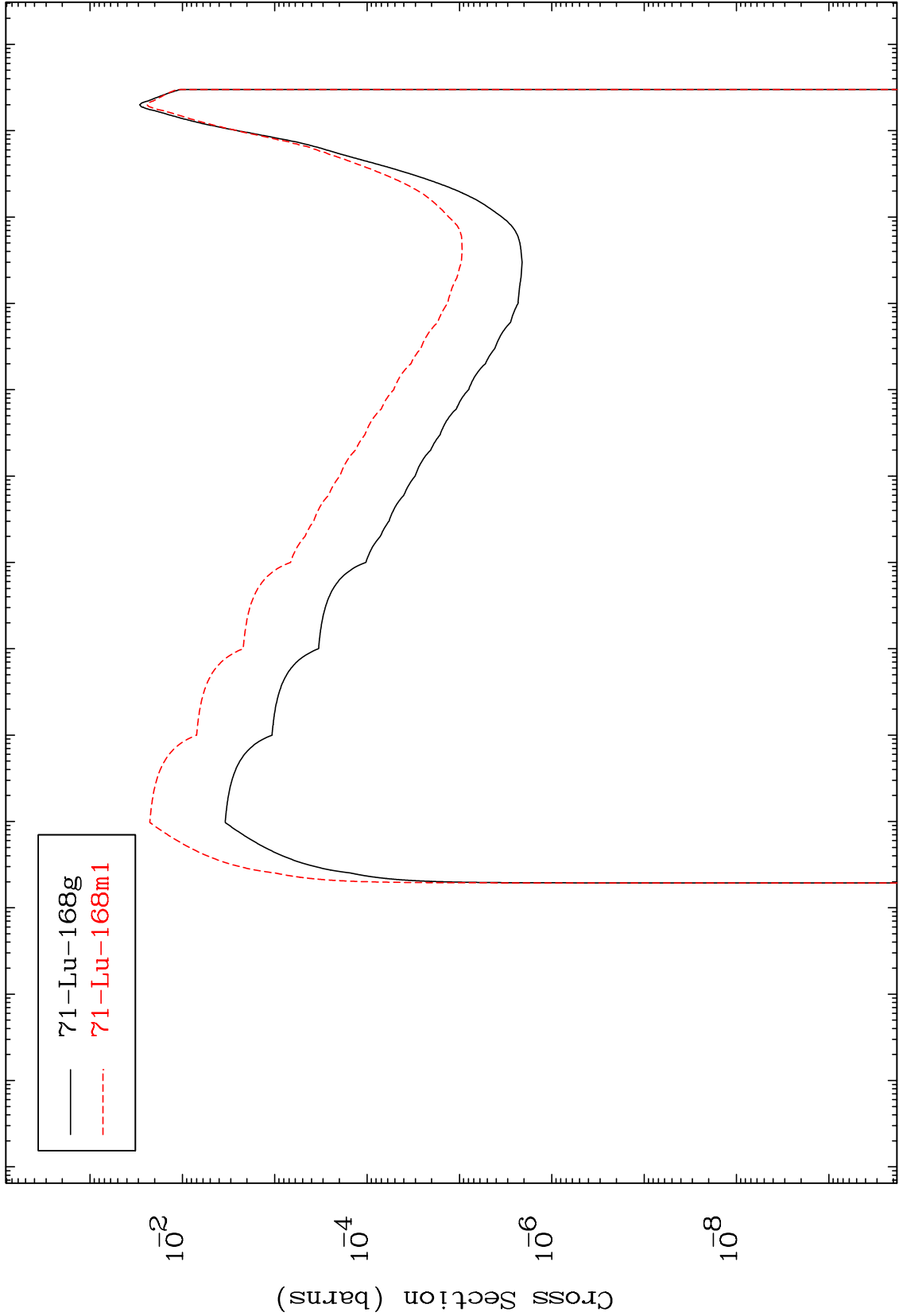
Incident Energy (MeV)

73-Ta-171

MAT 7298

73-Ta-171

Radionuclide Production Cross Section (n,α)



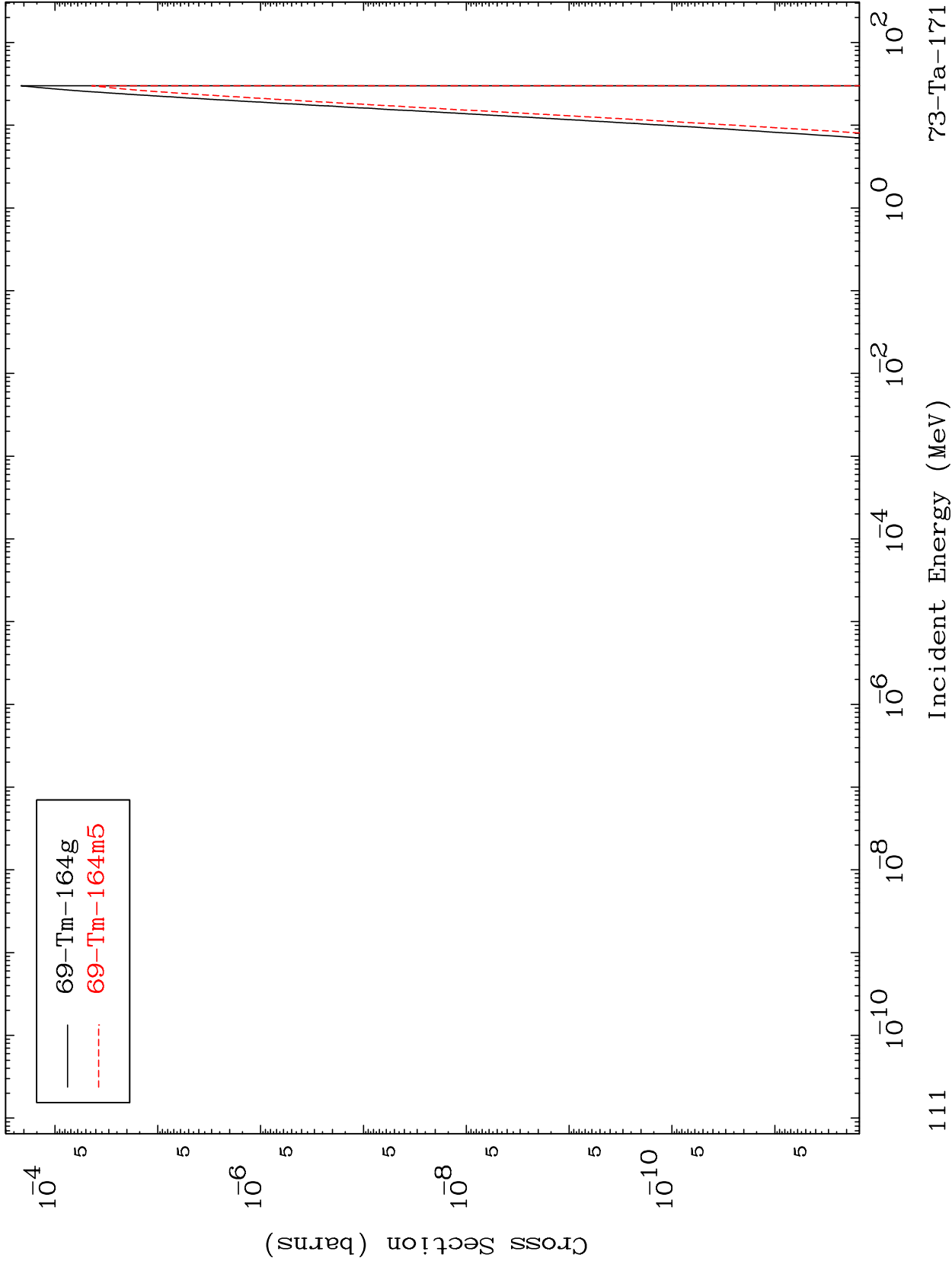
— 71-Lu-168g
- - - 71-Lu-168m1

MAT 7298

(n,2α)

⁷³Ta-171

Radionuclide Production Cross Section

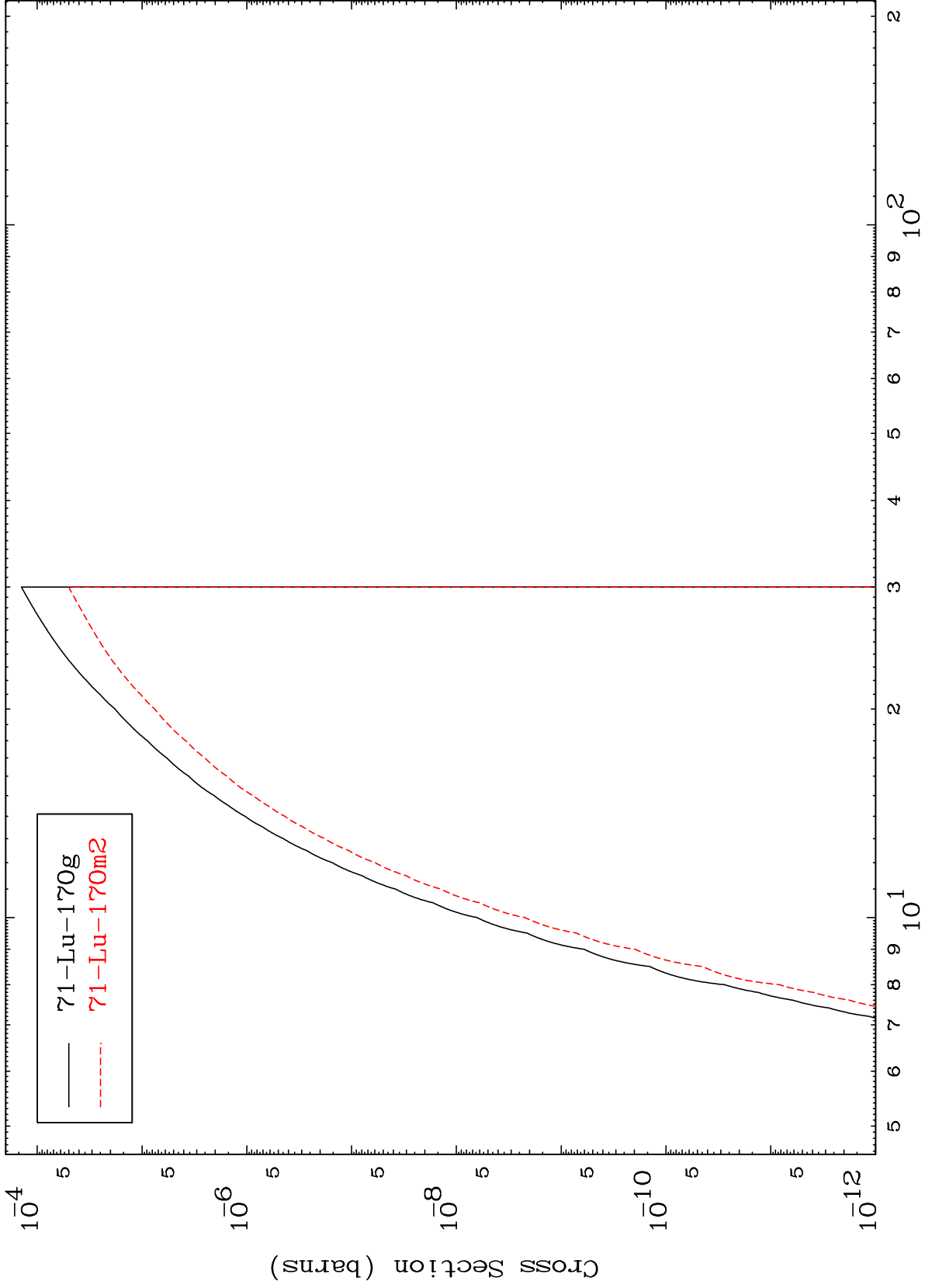


— 69-Tm-164g
- - - 69-Tm-164m5

MAT 7298

73-Ta-171

(n,2p)
Radionuclide Production Cross Section



112

Incident Energy (MeV)

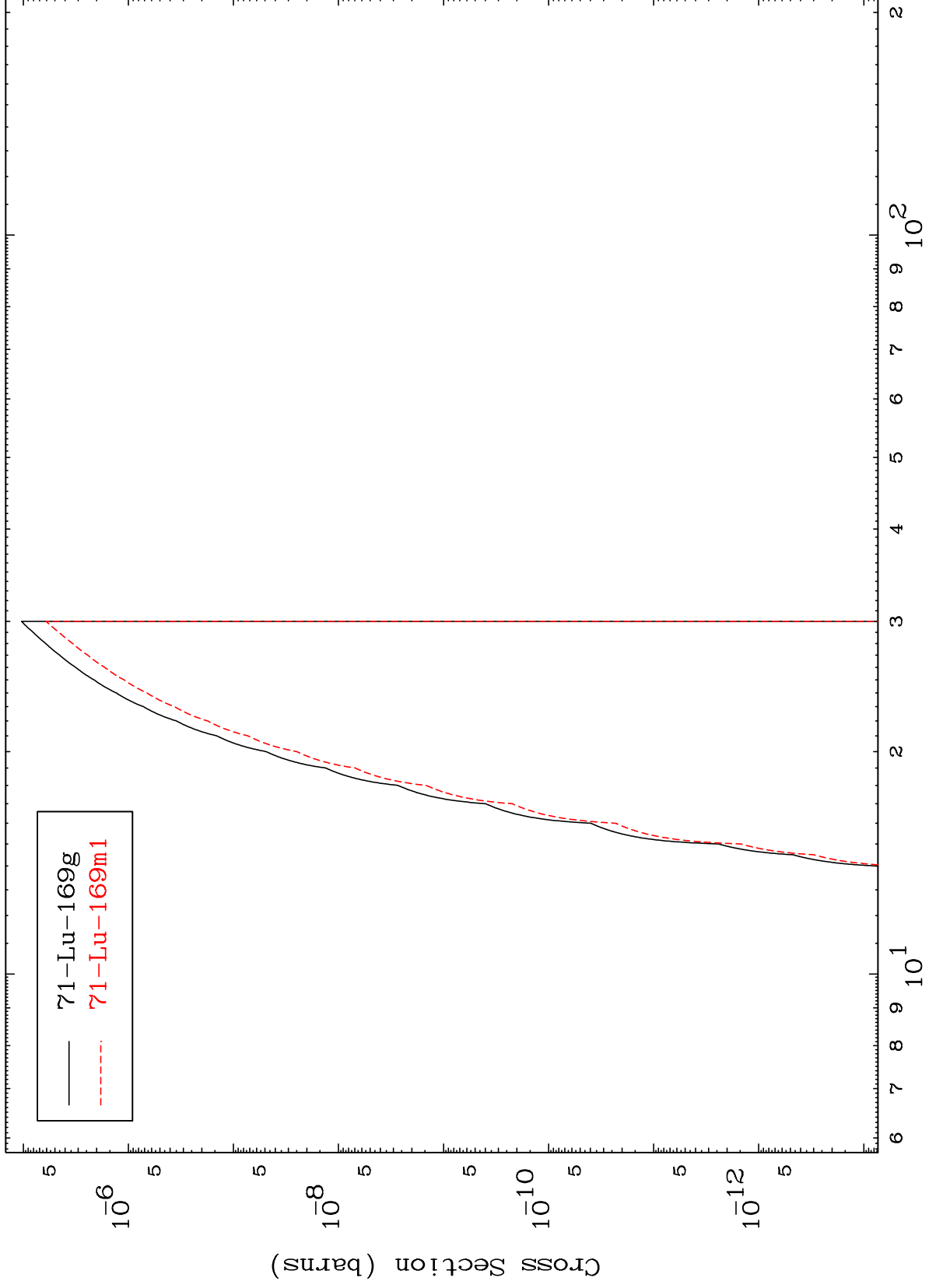
73-Ta-171

MAT 7298

(n,p) d

73-Ta-171

Radionuclide Production Cross Section



113

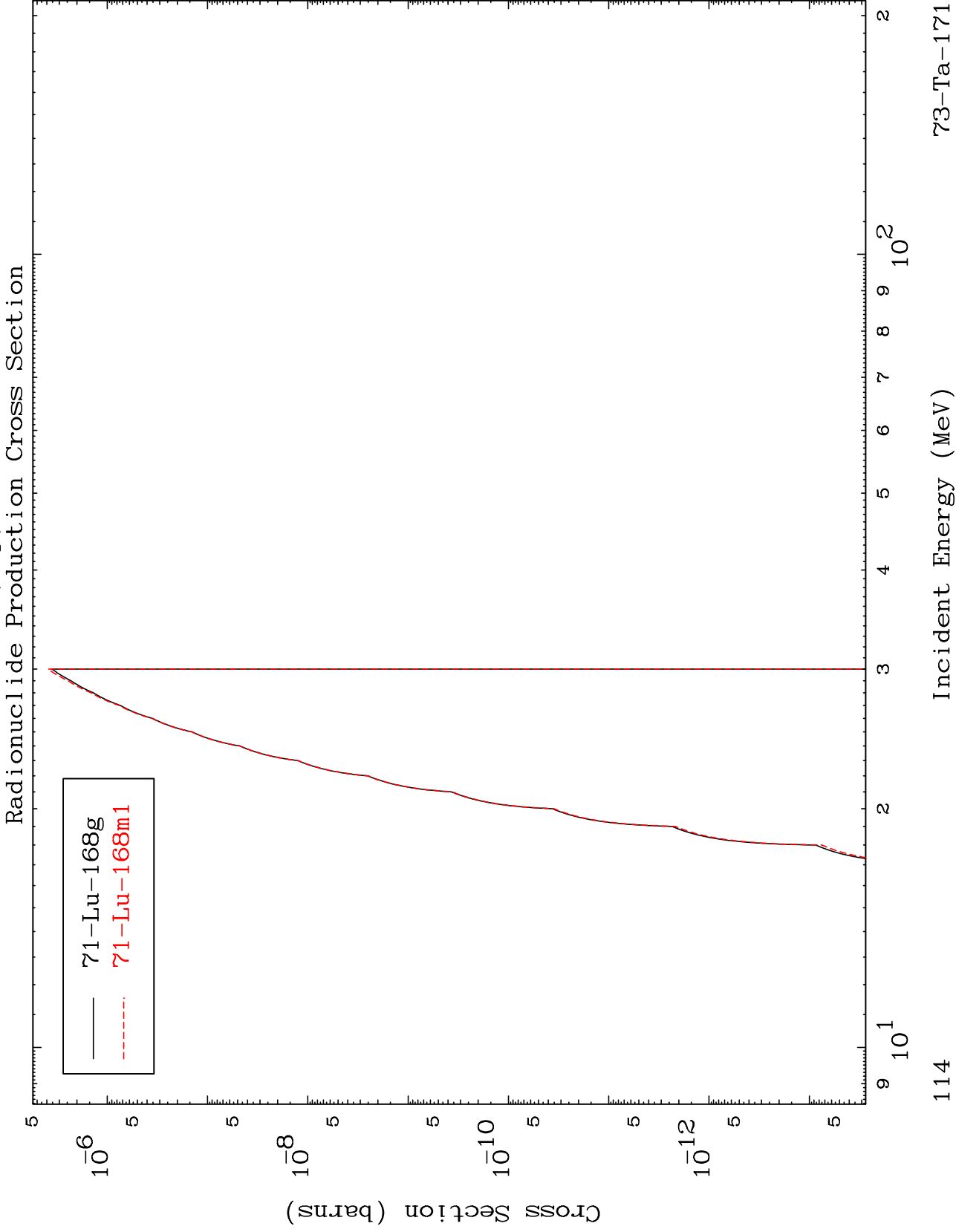
Incident Energy (MeV)

73-Ta-171

MAT 7298

(n,p) t

73-Ta-171



114