

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

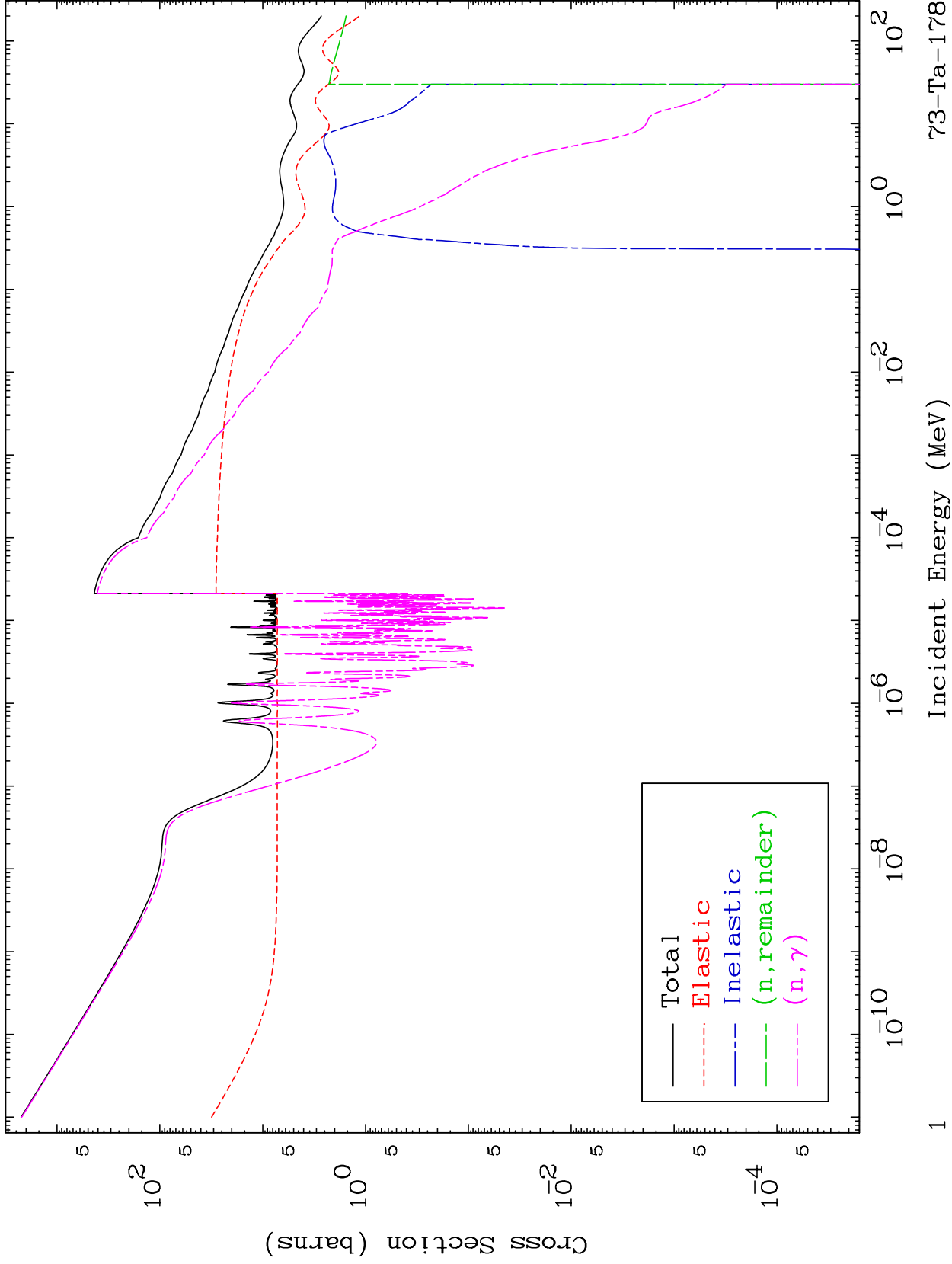
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Press Mouse Button to Start

MAT 7319

Major
293 Kelvin Cross Sections

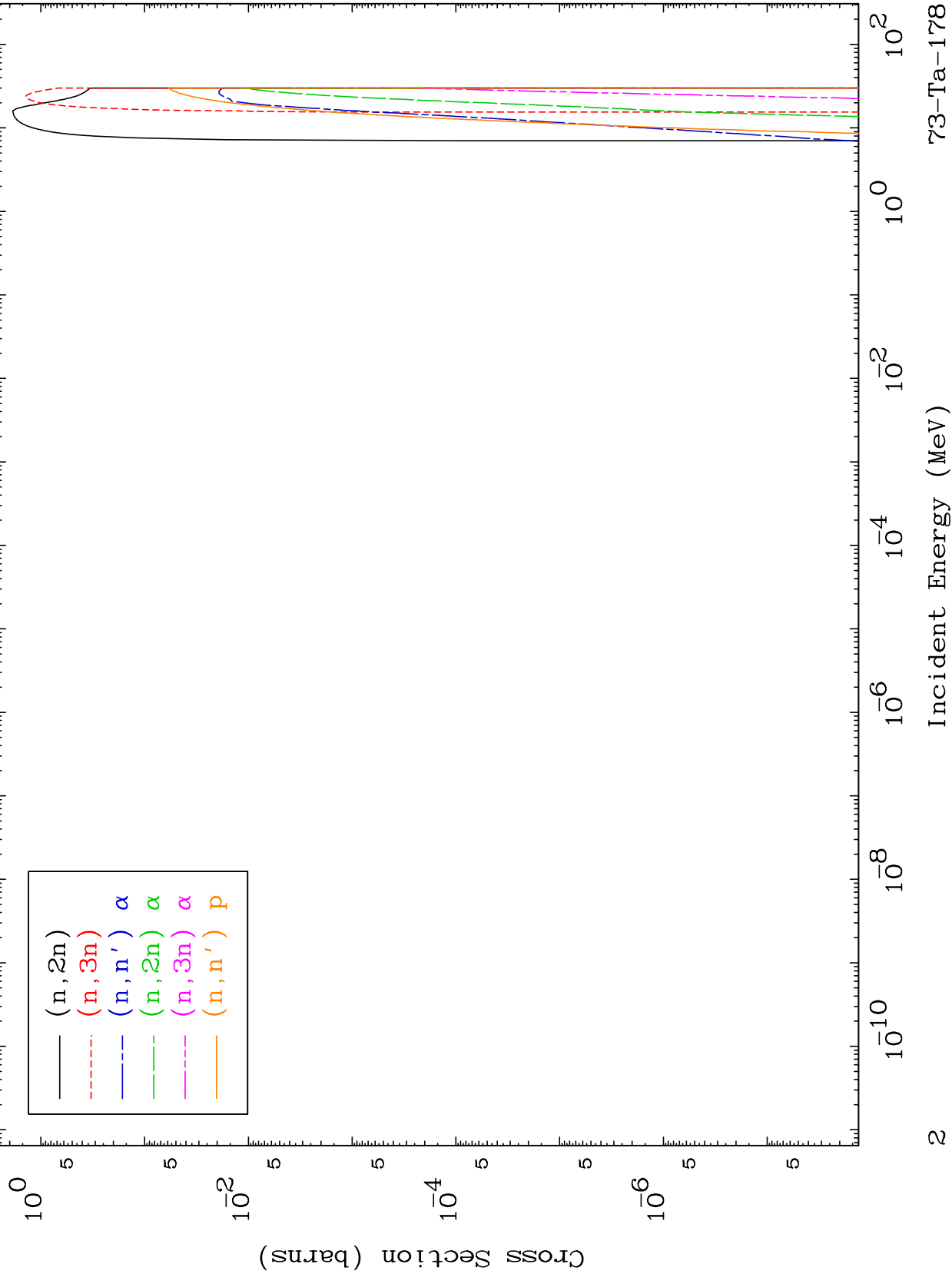
73-Ta-178



MAT 7319

Neutron Production
293 Kelvin Cross Sections

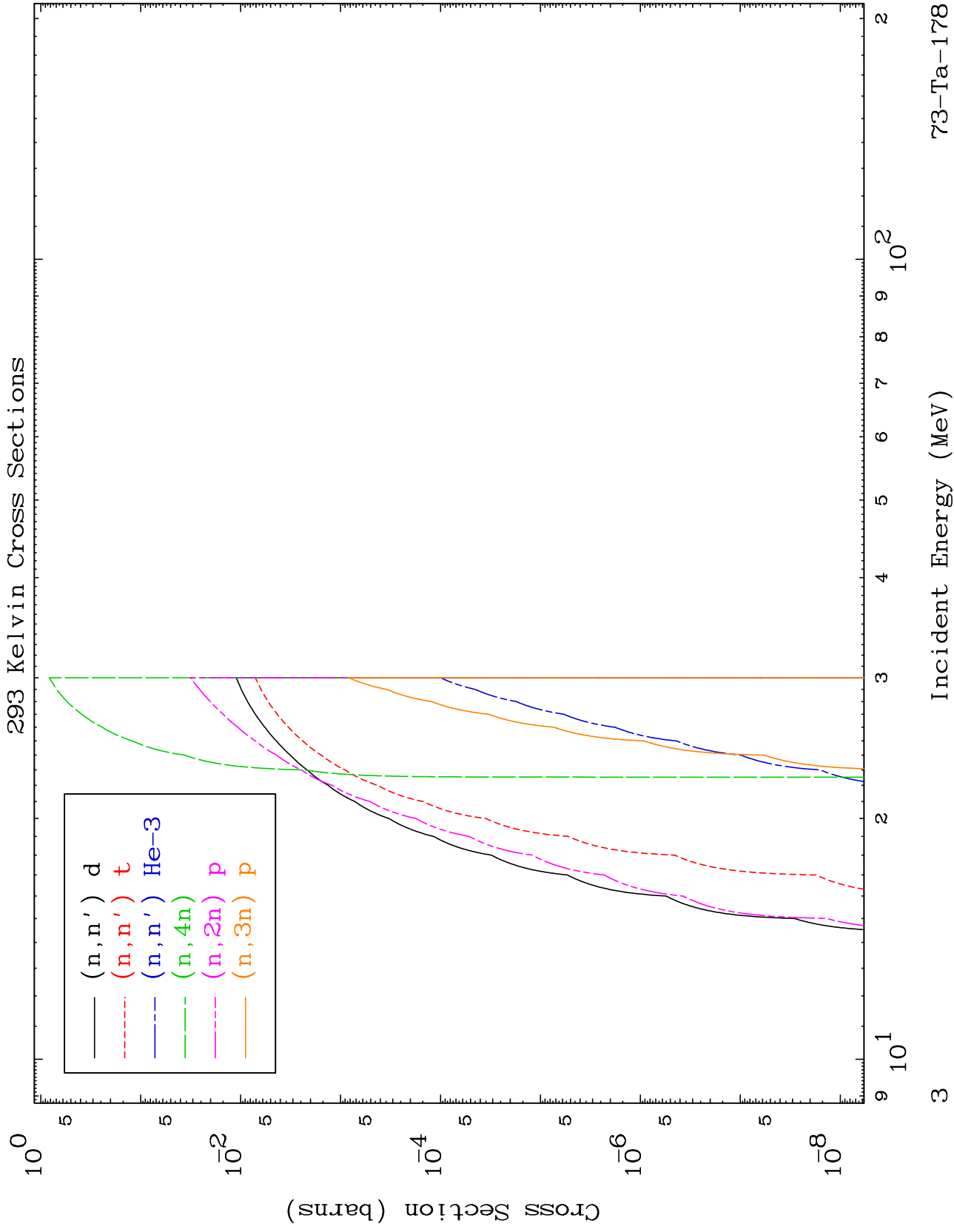
73-Ta-178



MAT 7319

Neutron Production
293 Kelvin Cross Sections

73-Ta-178



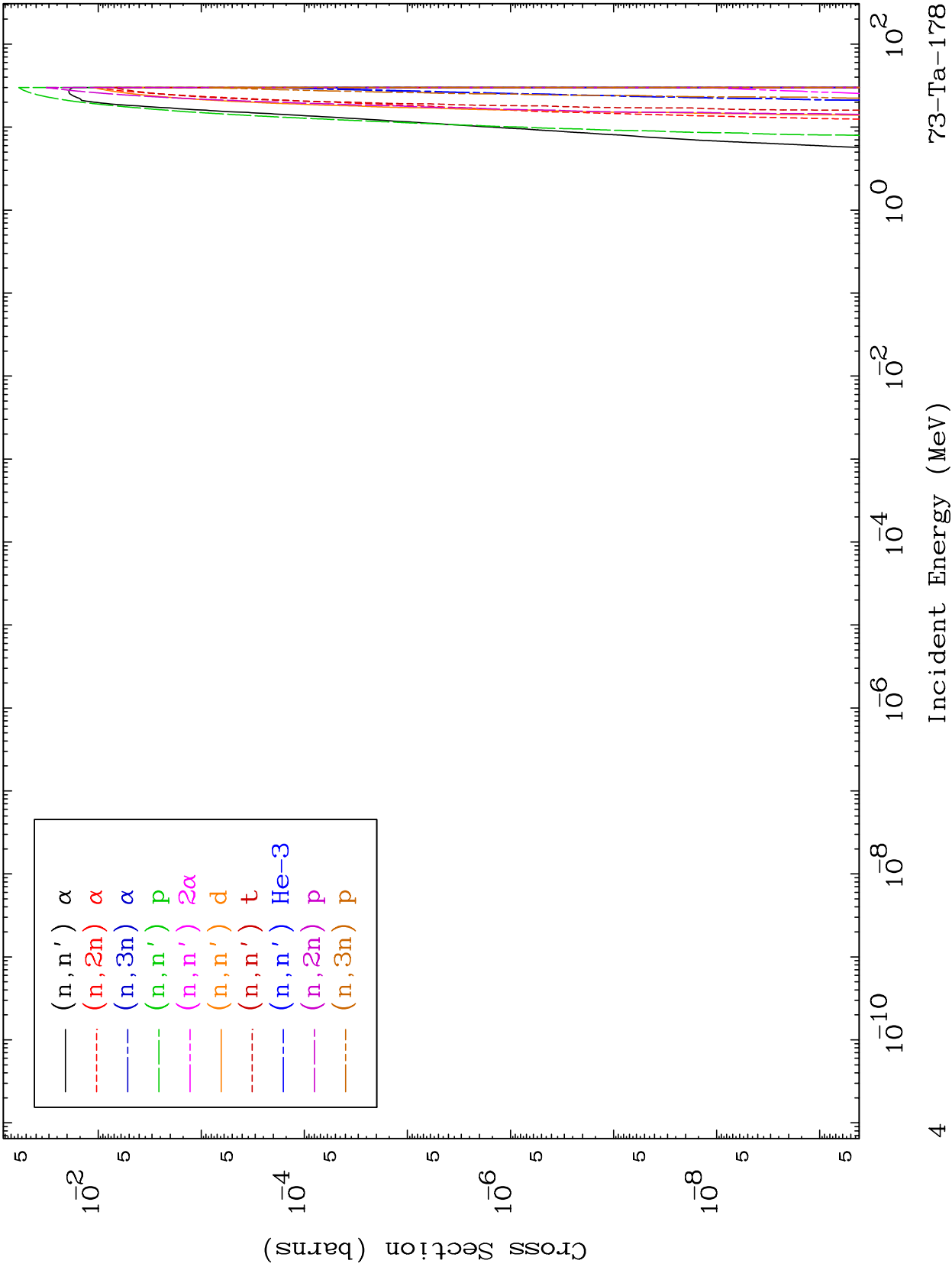
73-Ta-178

Incident Energy (MeV)

MAT 7319

Charged Particle
293 Kelvin Cross Sections

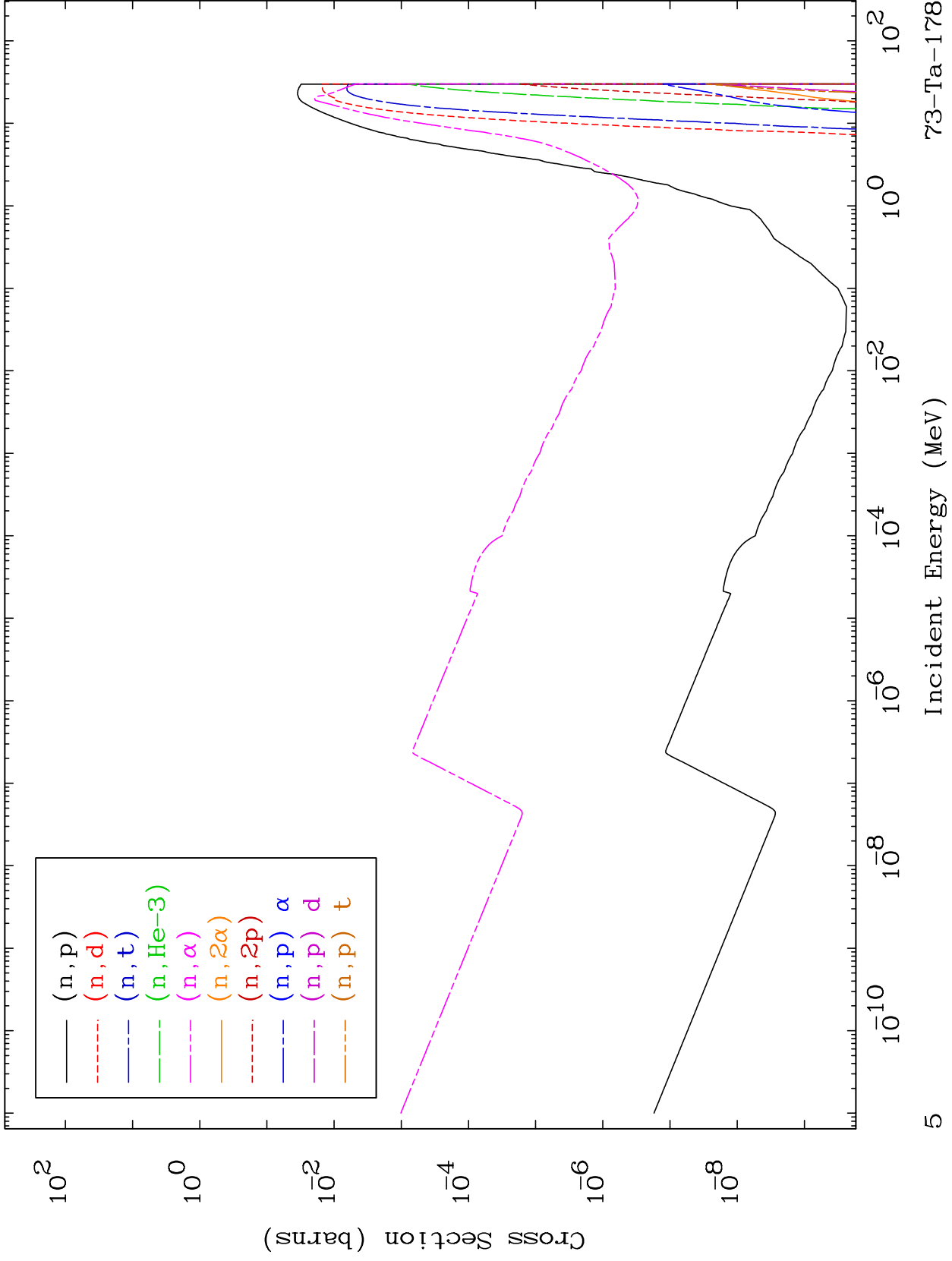
73-Ta-178

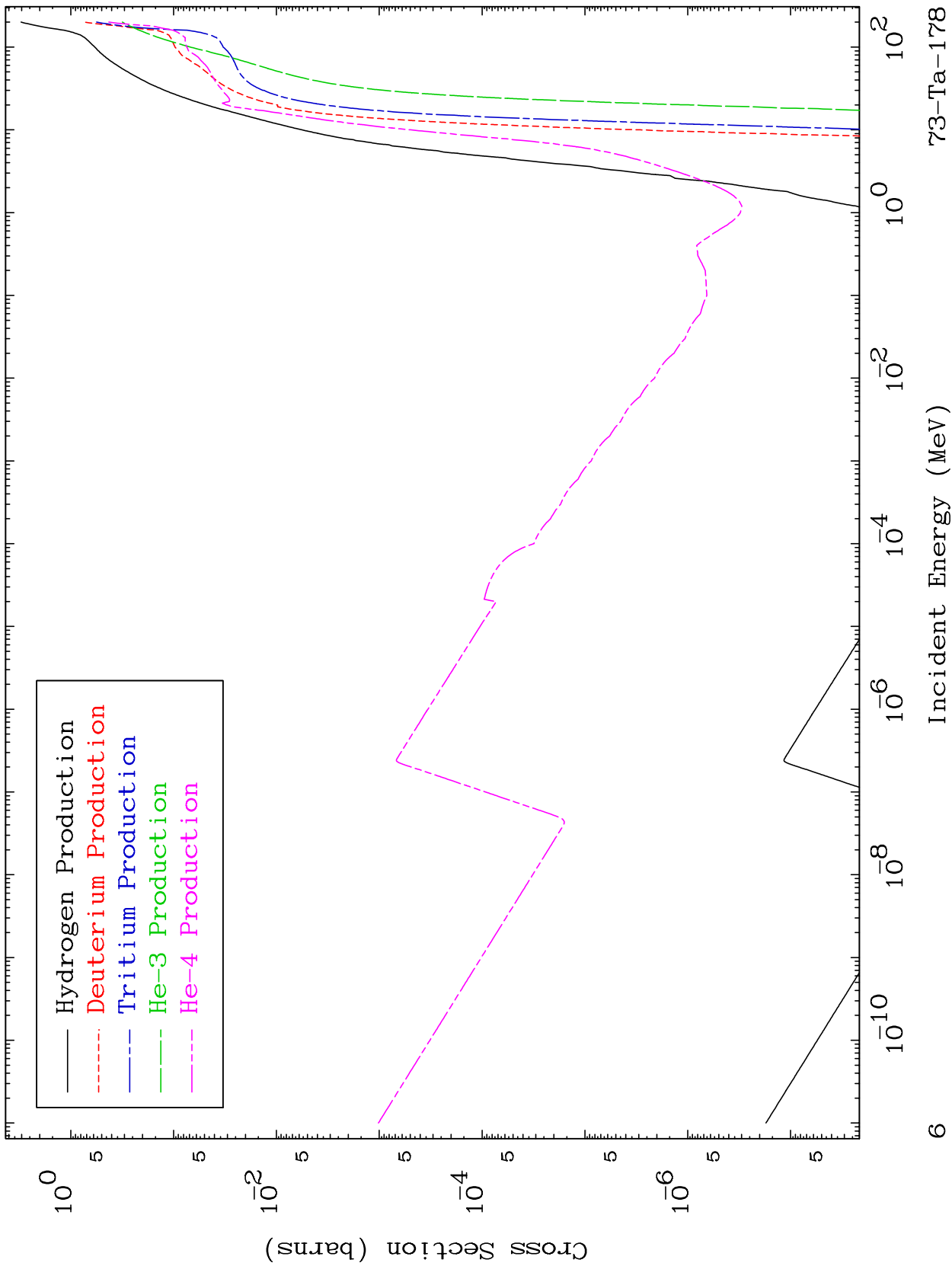


MAT 7319

Charged Particle
293 Kelvin Cross Sections

73-Ta-178



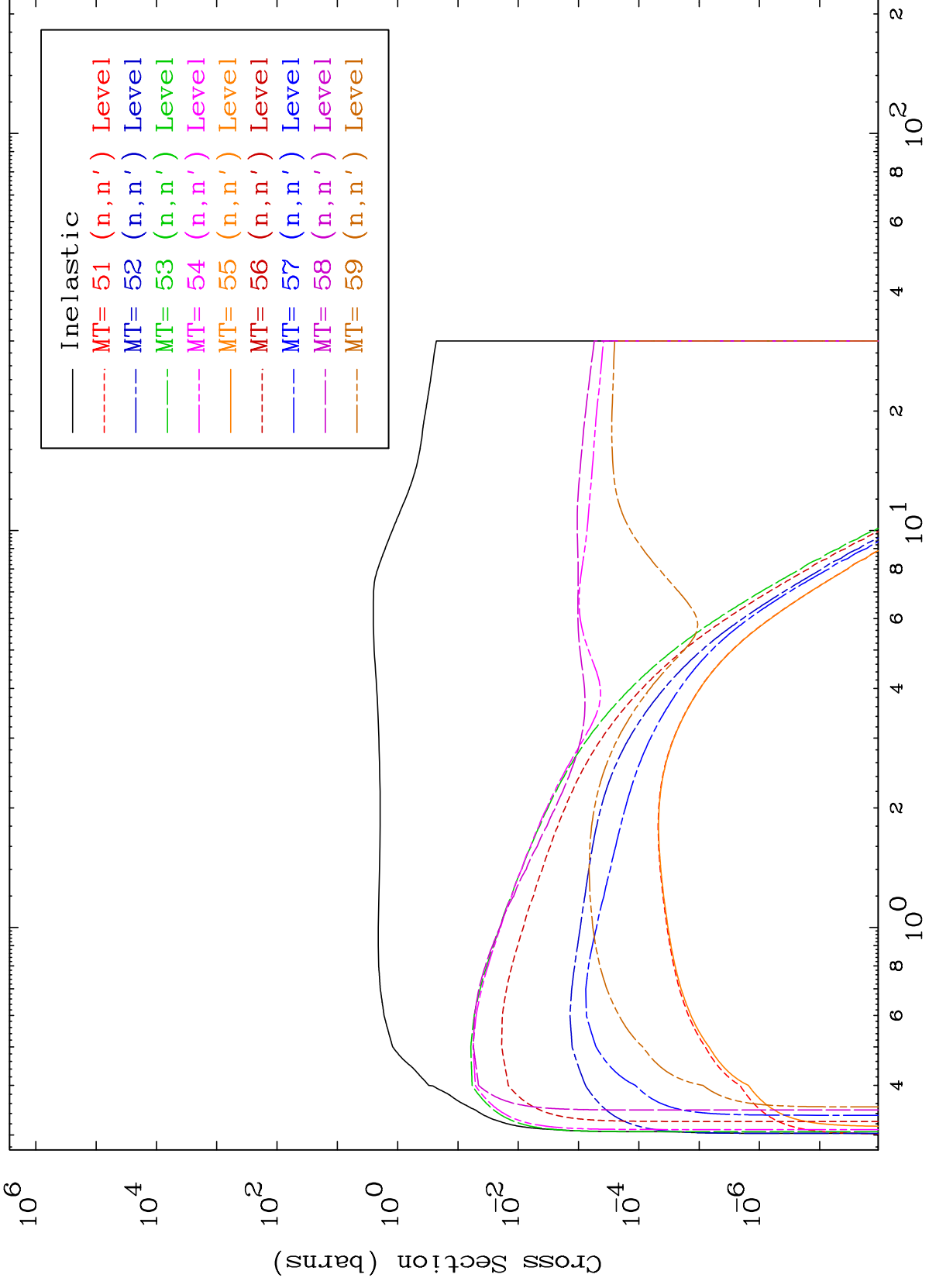


MAT 7319

(n,n') Level

73-Ta-178

293 Kelvin Cross Sections

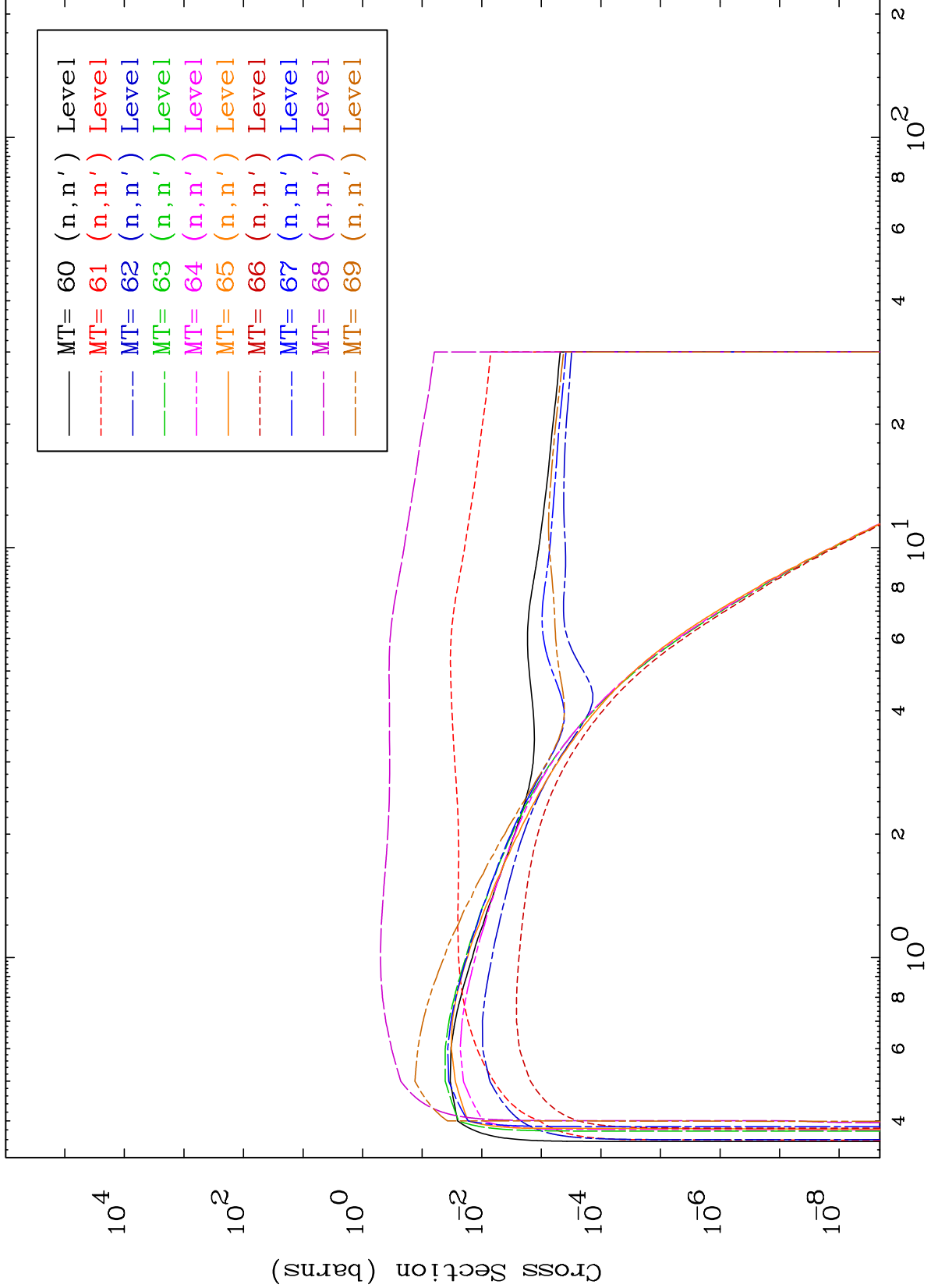


MAT 7319

(n,n') Level

73-Ta-178

293 Kelvin Cross Sections



8

Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,n') Level

73-Ta-178

293 Kelvin Cross Sections

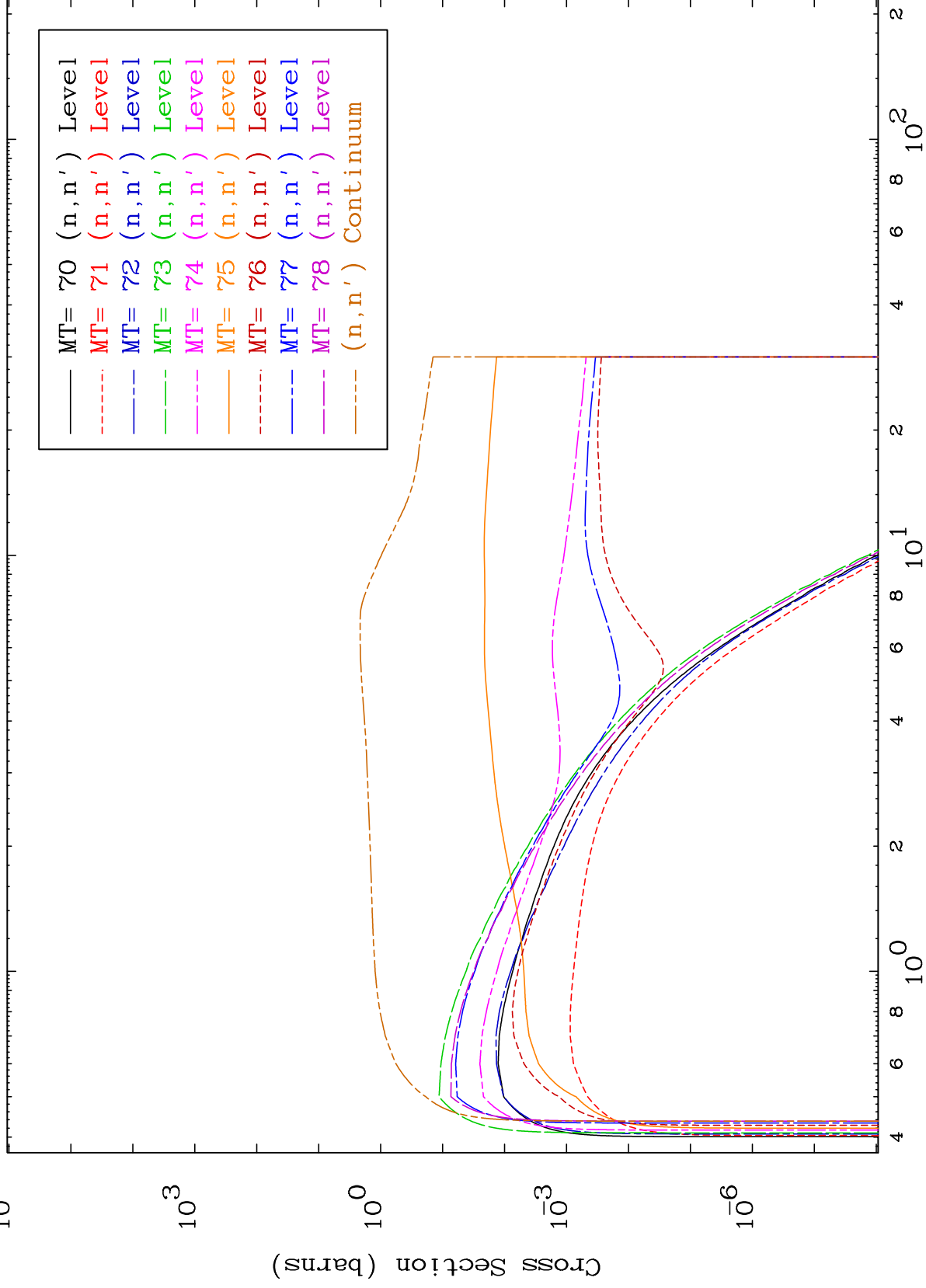
10^6

10^3

10^0

10^{-3}

10^{-6}



9

Incident Energy (MeV)

73-Ta-178

10^2

8

6

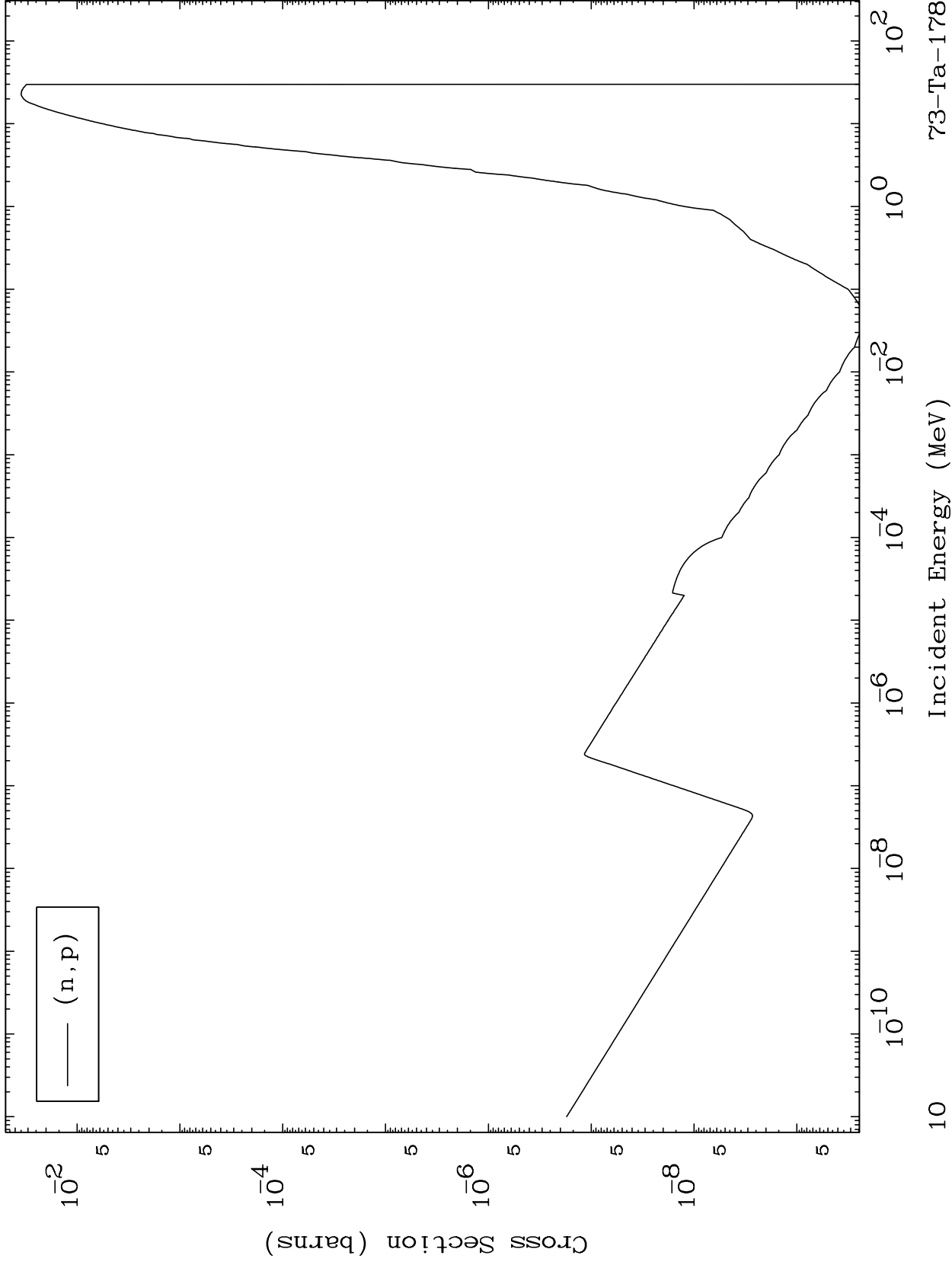
4

2

MAT 7319

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-178



10

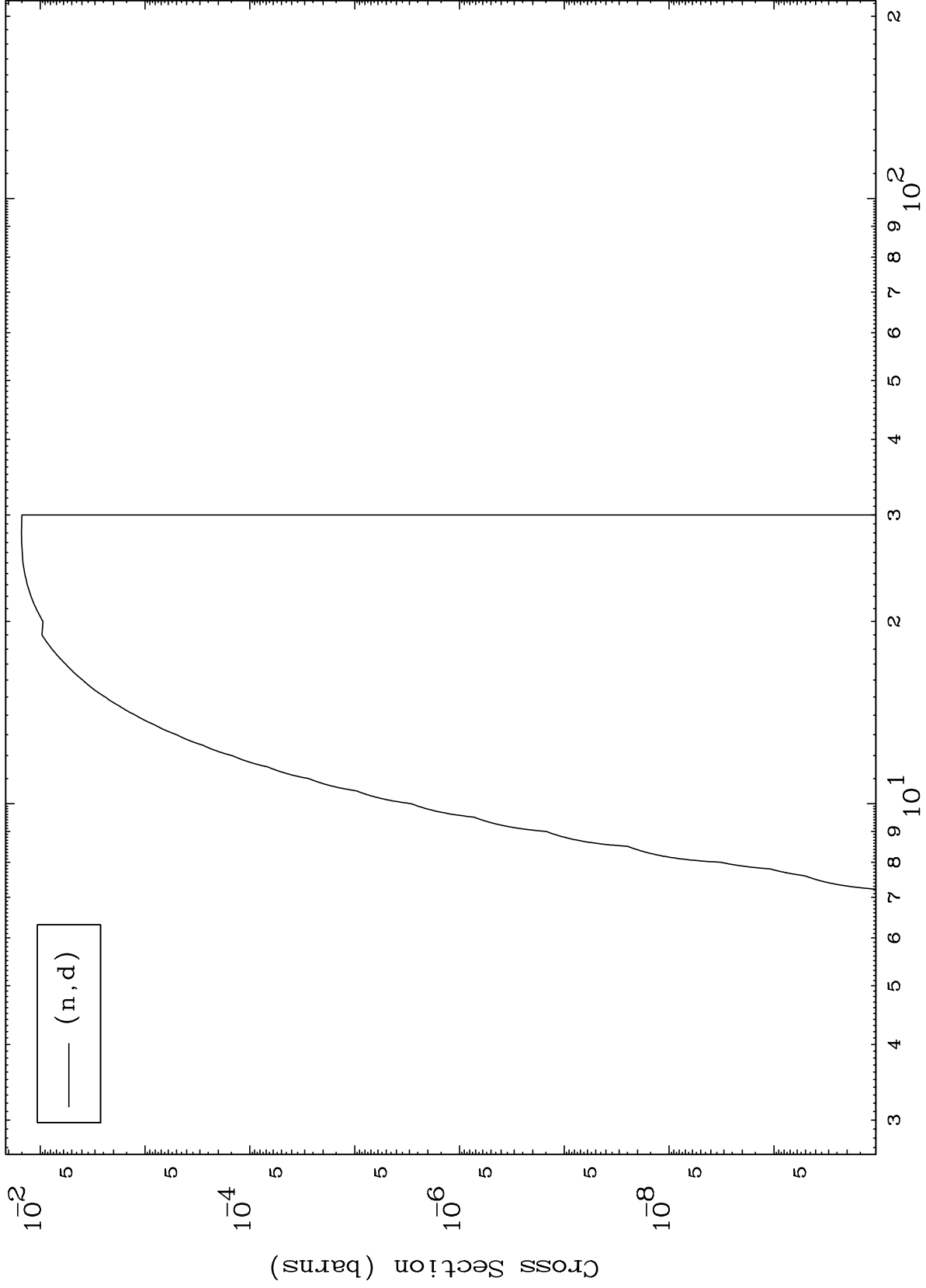
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-178



11

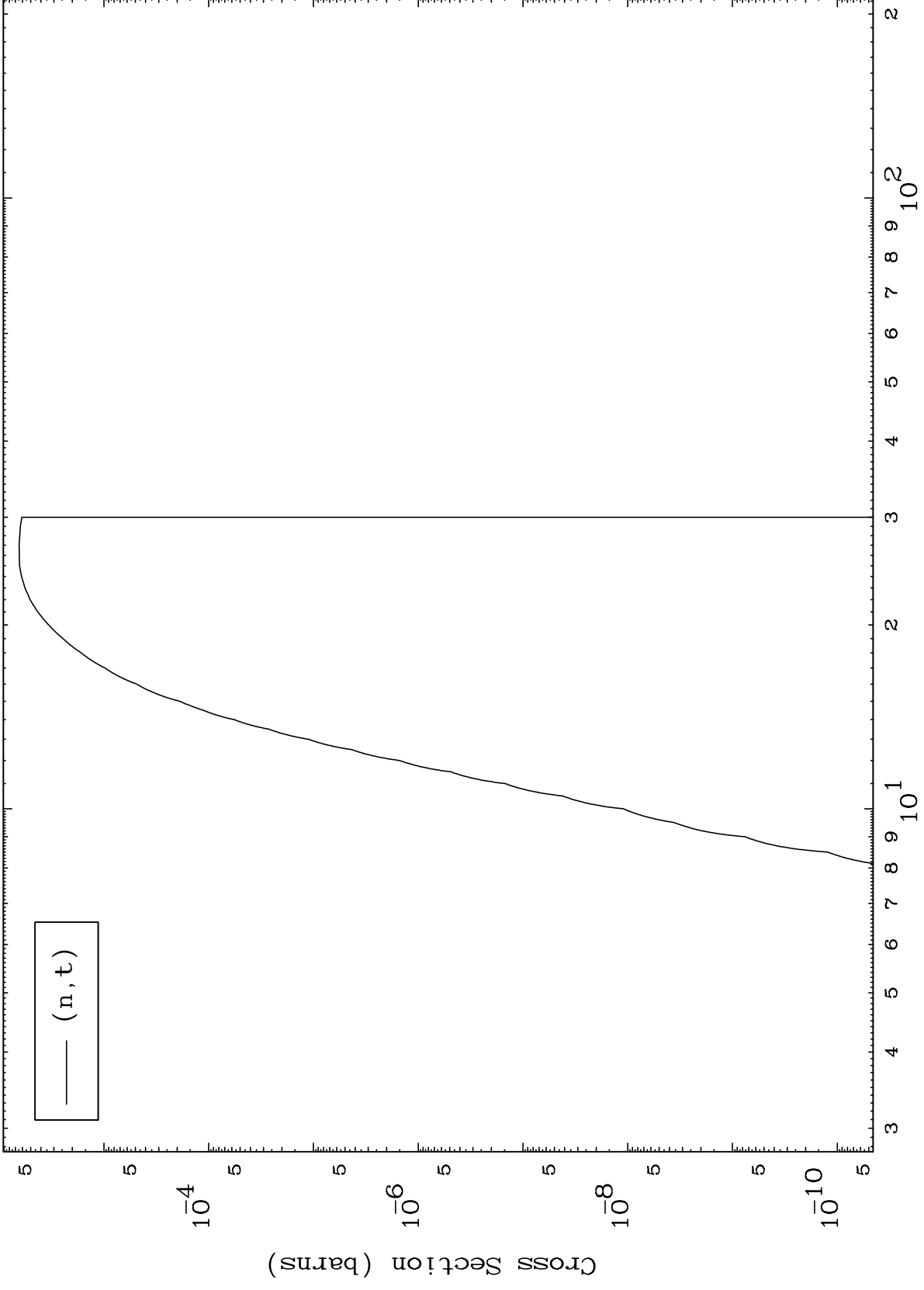
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-178



12

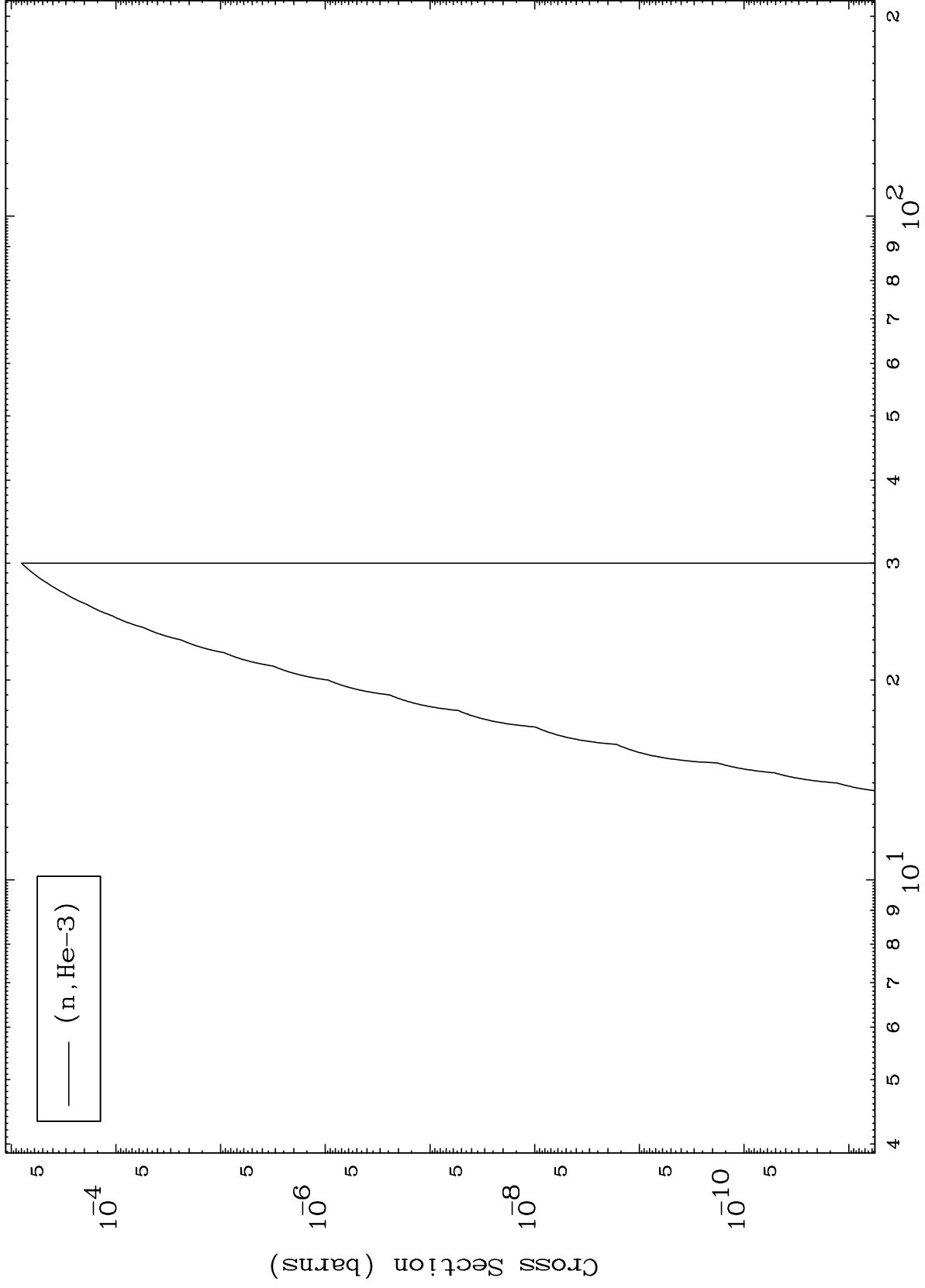
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-178



13

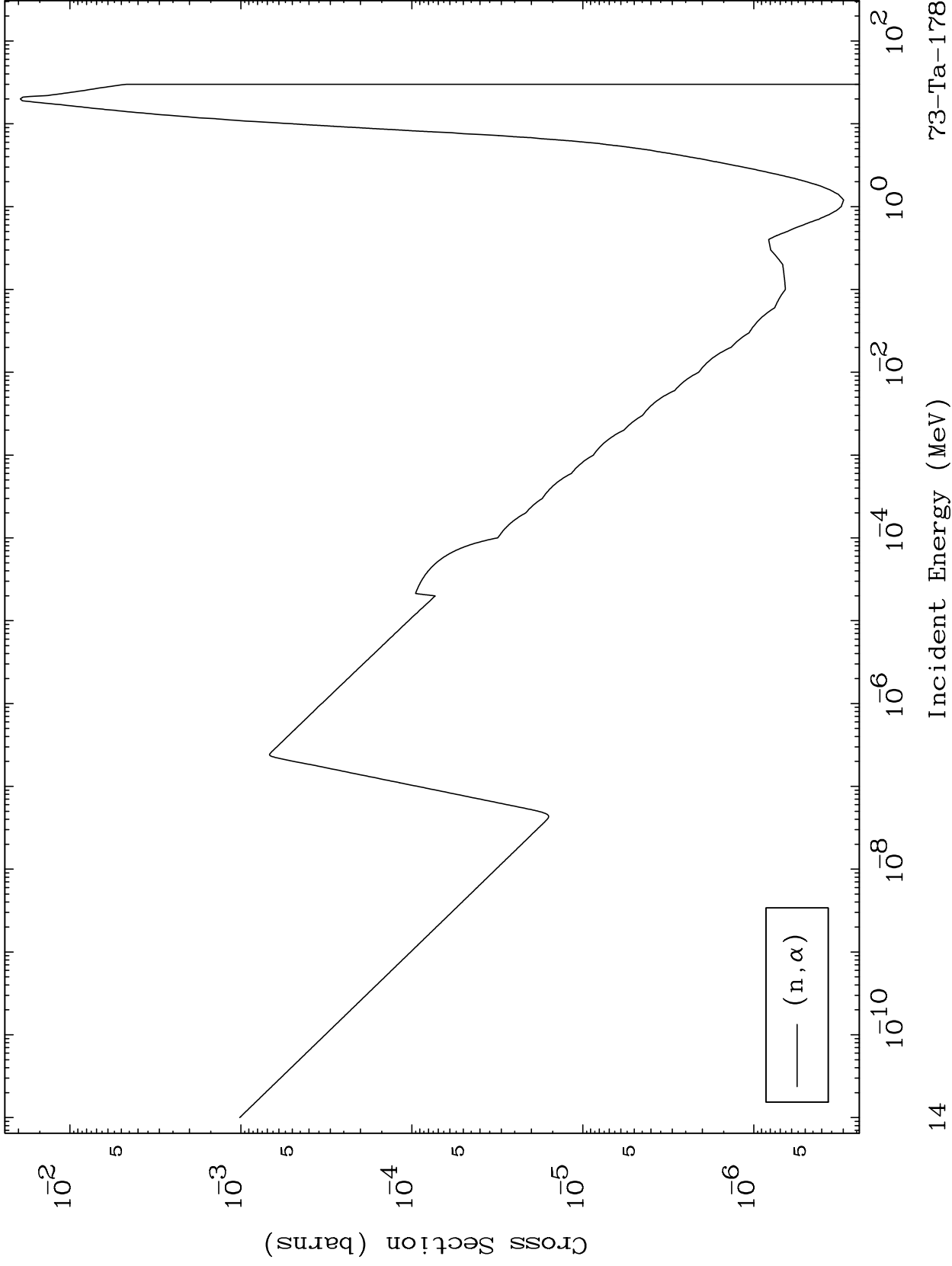
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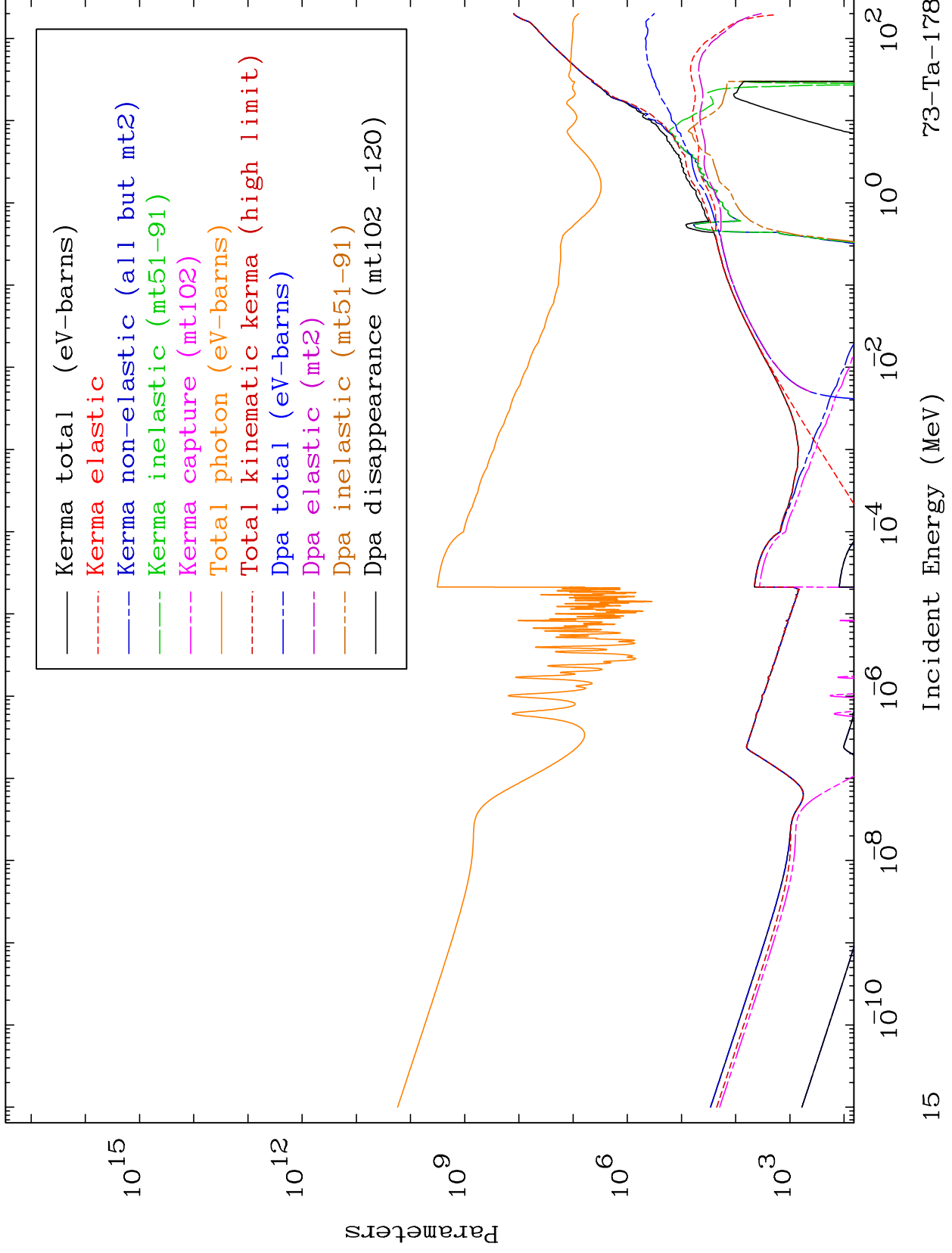
73-Ta-178

MAT 7319

(n,α) Levels
293 Kelvin Cross Sections

73-Ta-178

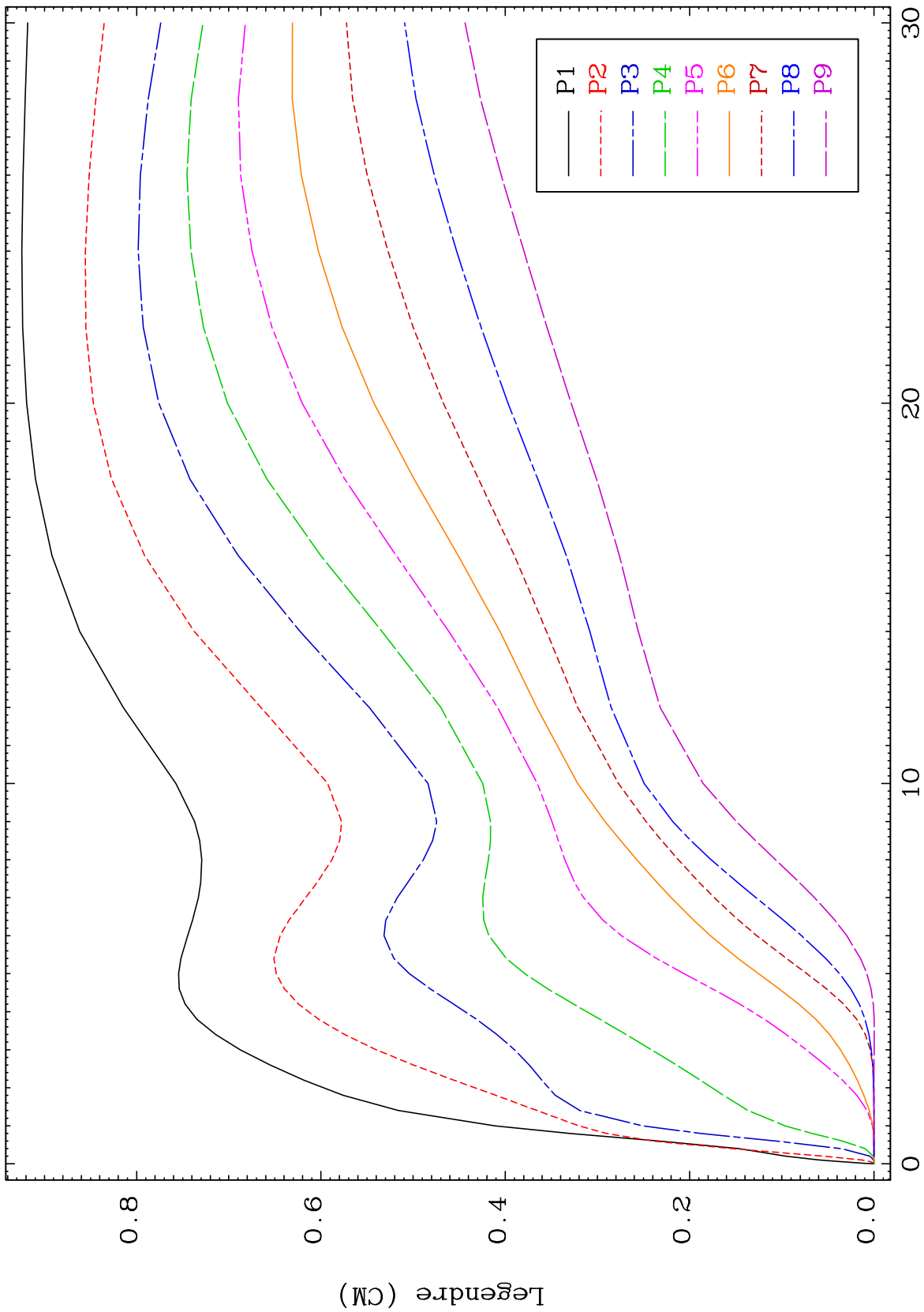




MAT 7319

Elastic Legendre Coefficients

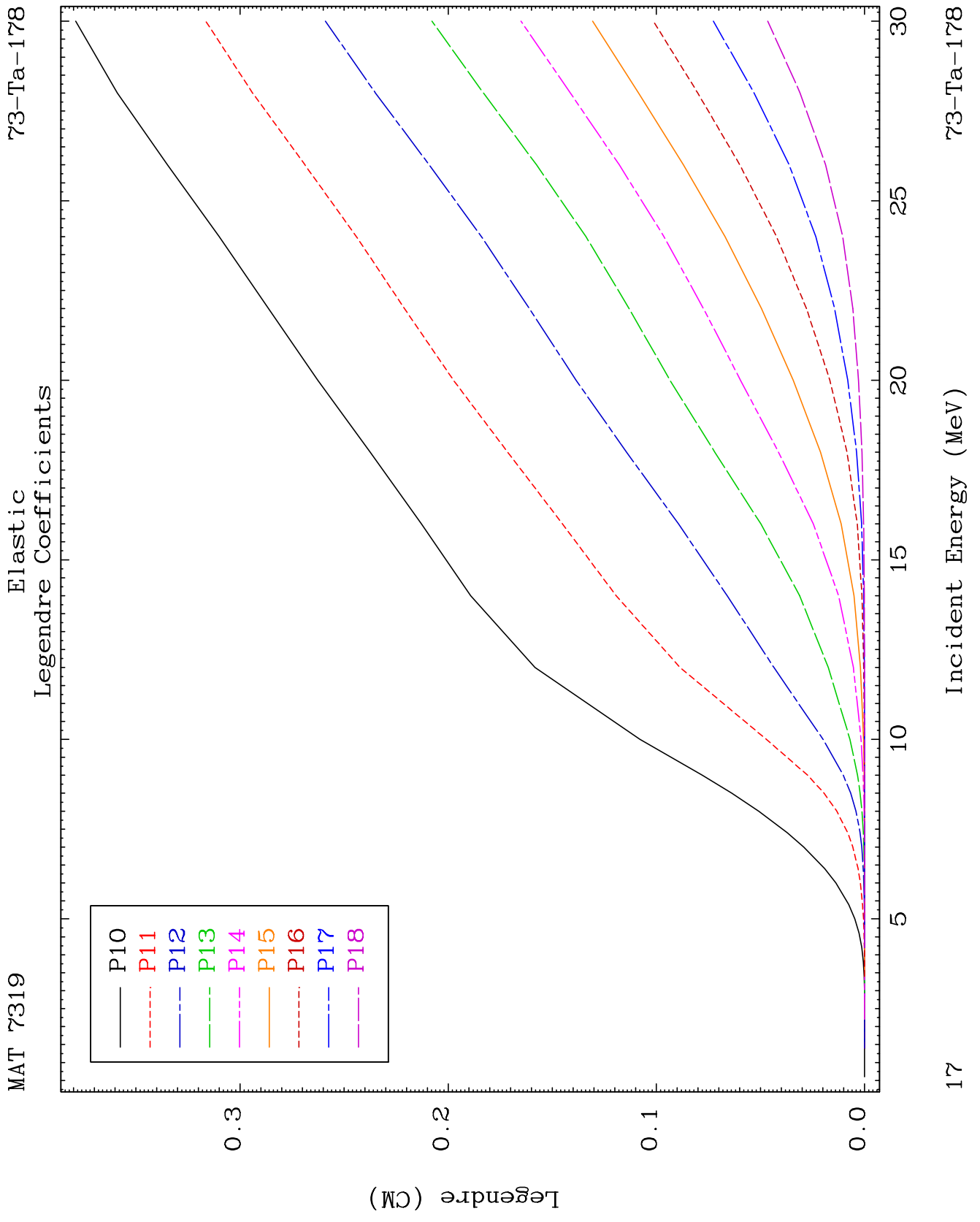
⁷³Ta-178



16

Incident Energy (MeV)

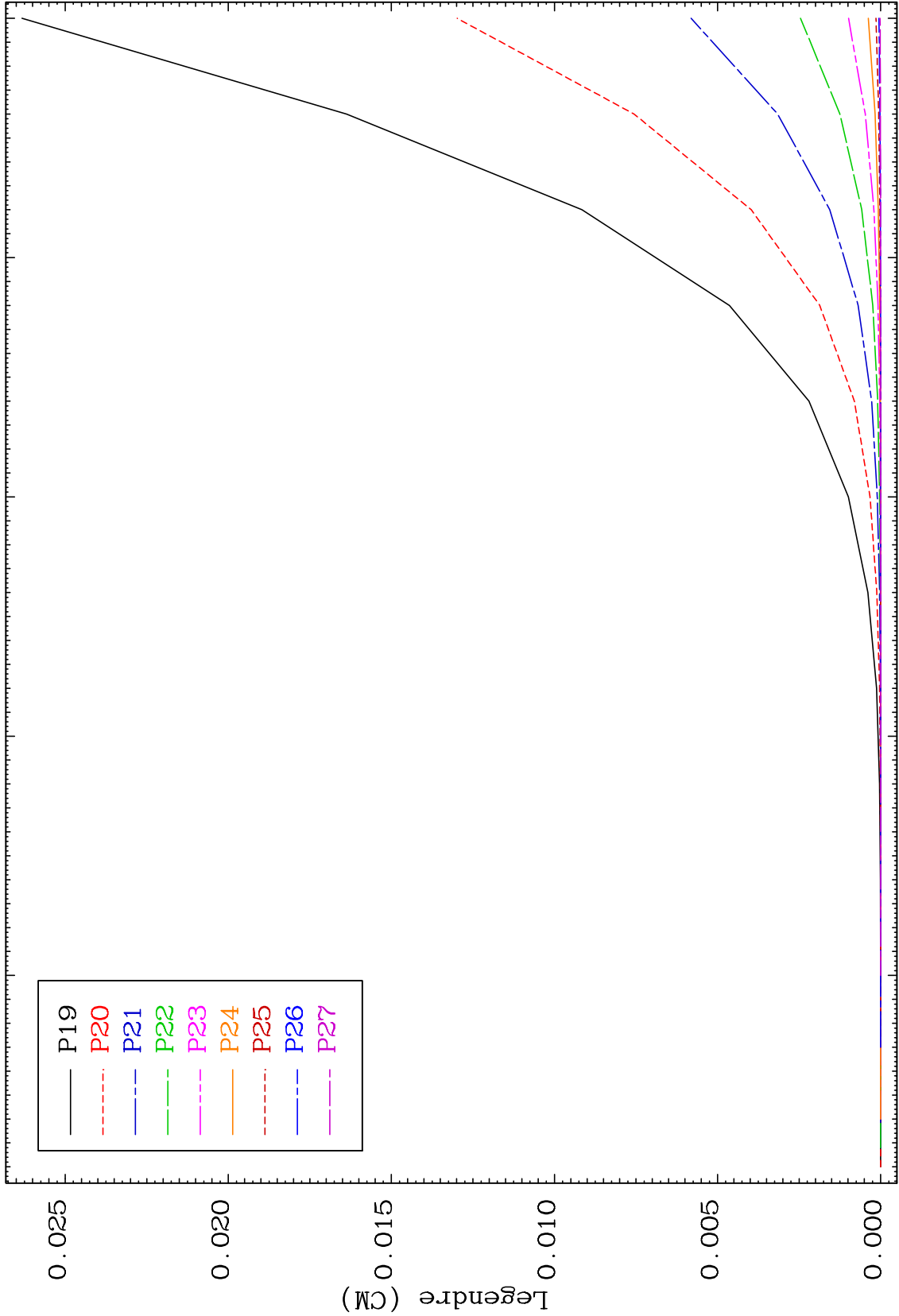
⁷³Ta-178



MAT 7319

Elastic Legendre Coefficients

73-Ta-178



18

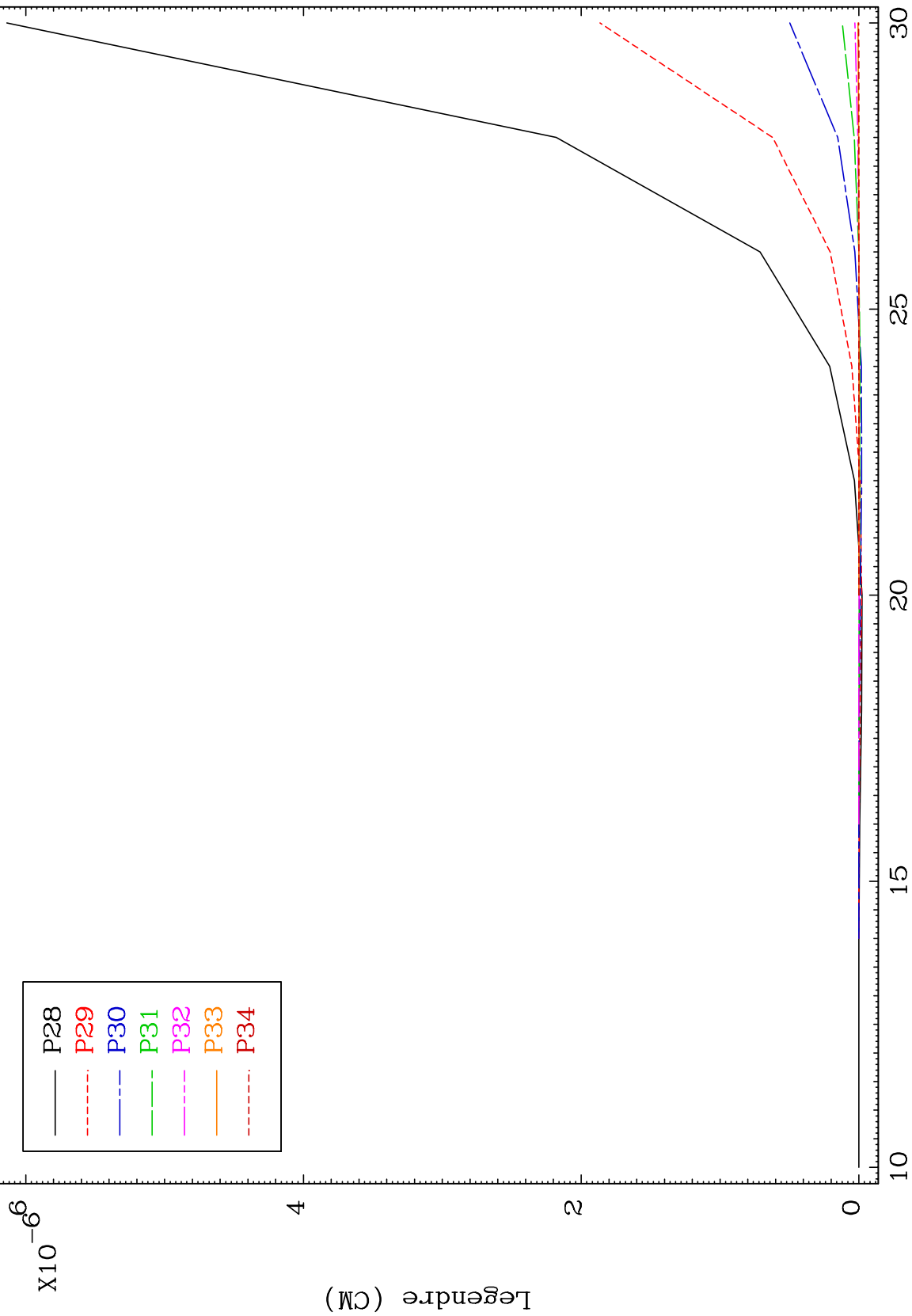
Incident Energy (MeV)

73-Ta-178

MAT 7319

Elastic Legendre Coefficients

⁷³Ta-178



19

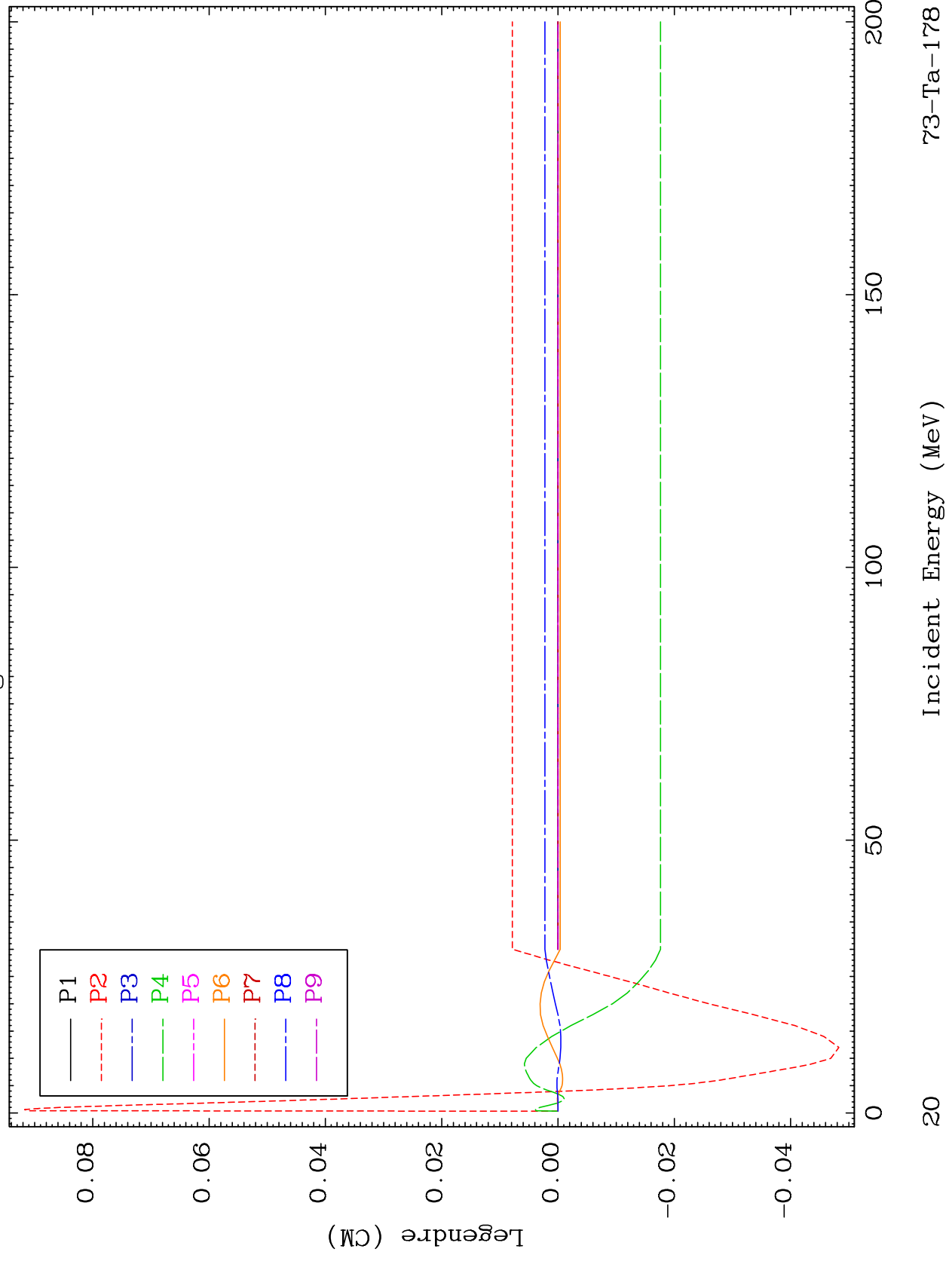
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

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

73-Ta-178



73-Ta-178

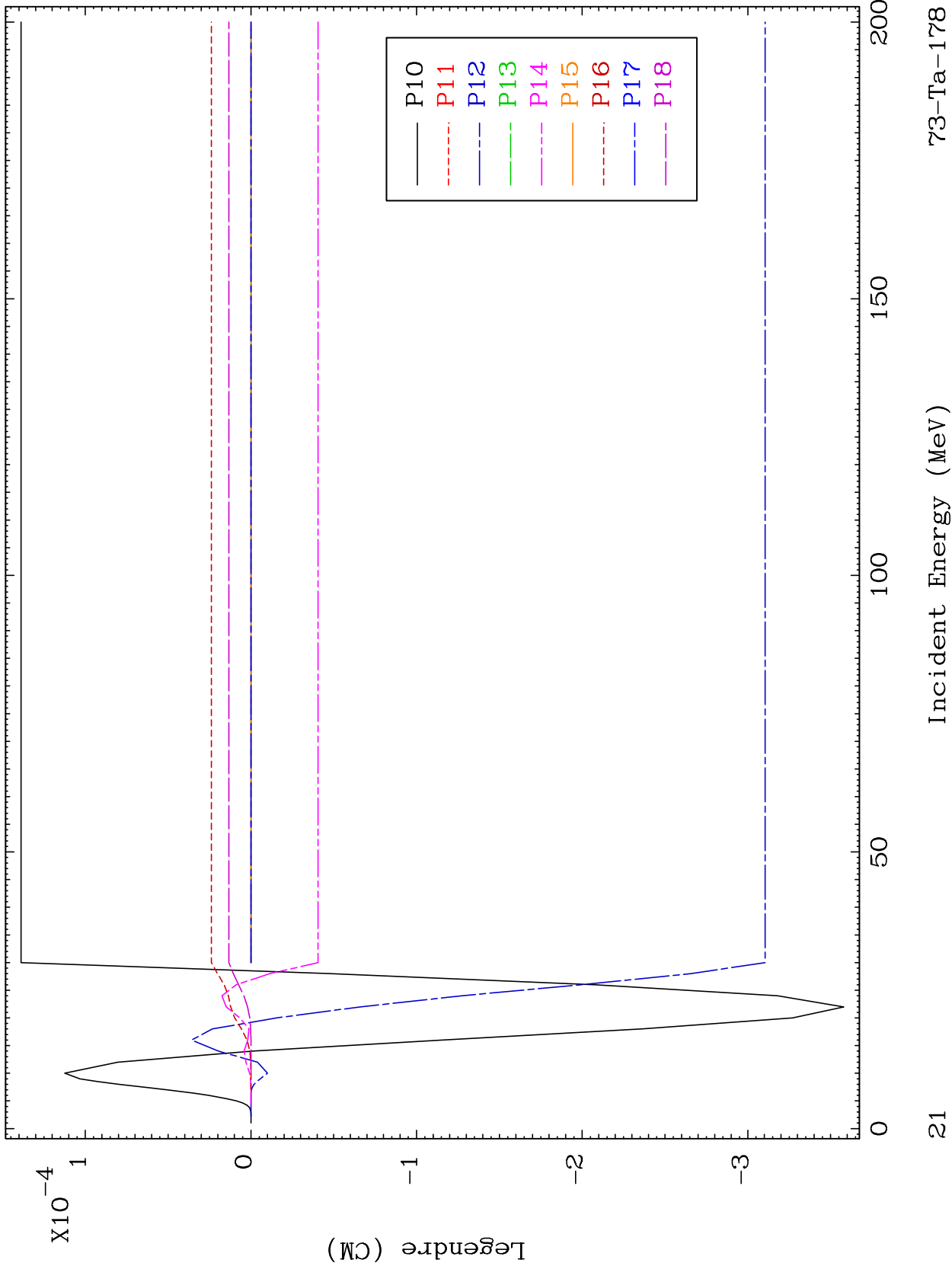
Incident Energy (MeV)

20

MAT 7319

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

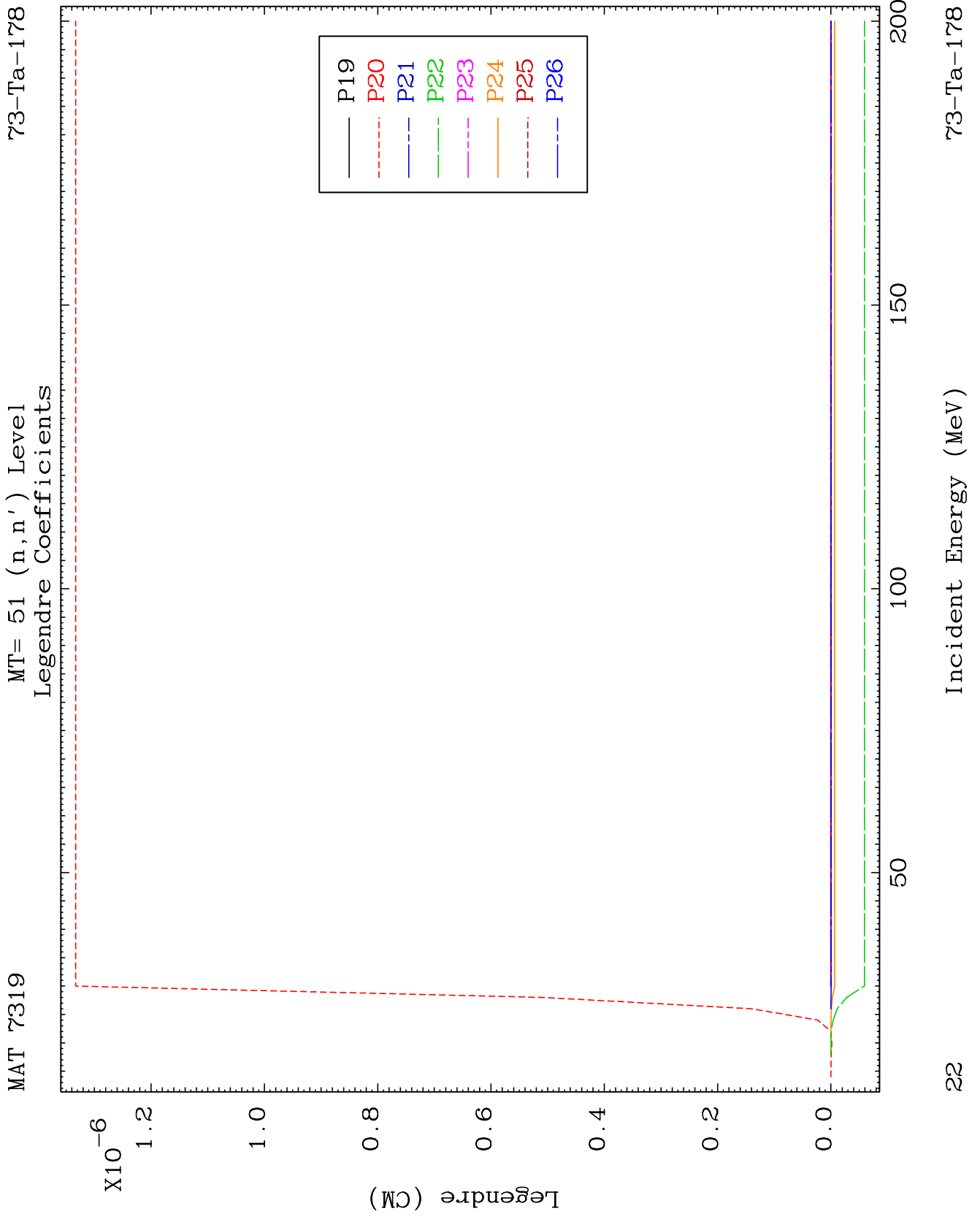
73-Ta-178



73-Ta-178

Incident Energy (MeV)

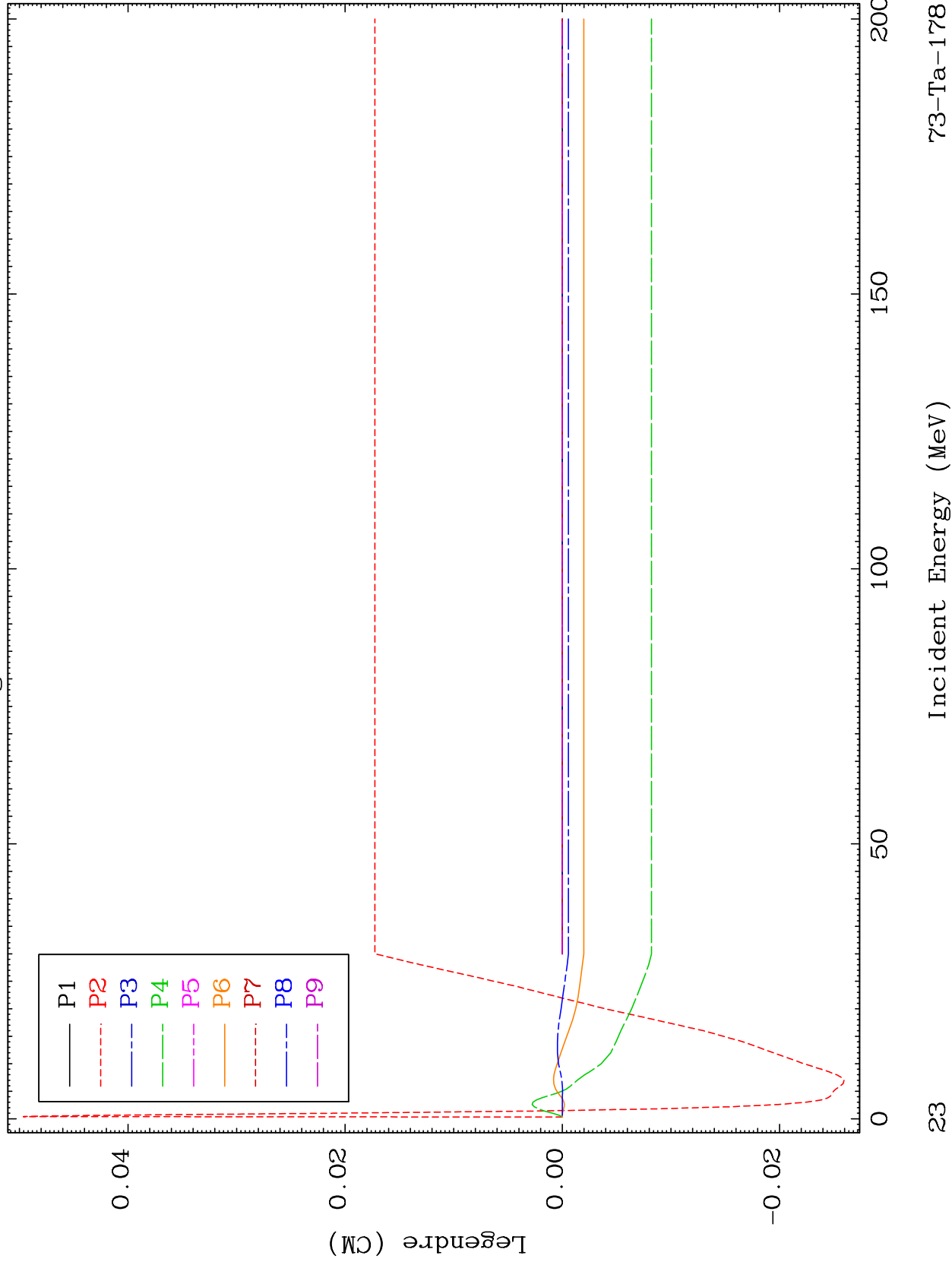
21



MAT 7319

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

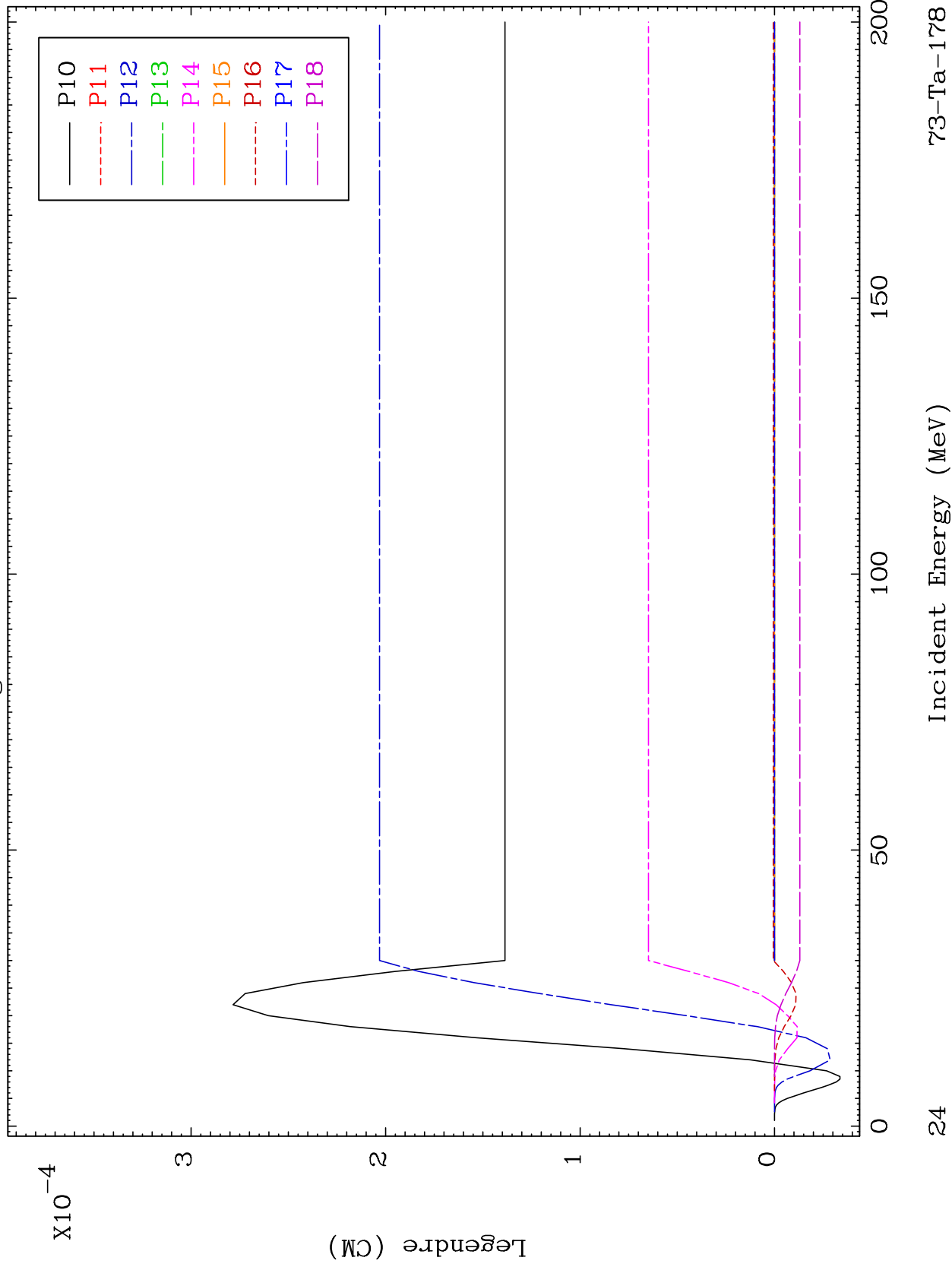
73-Ta-178



MAT 7319

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

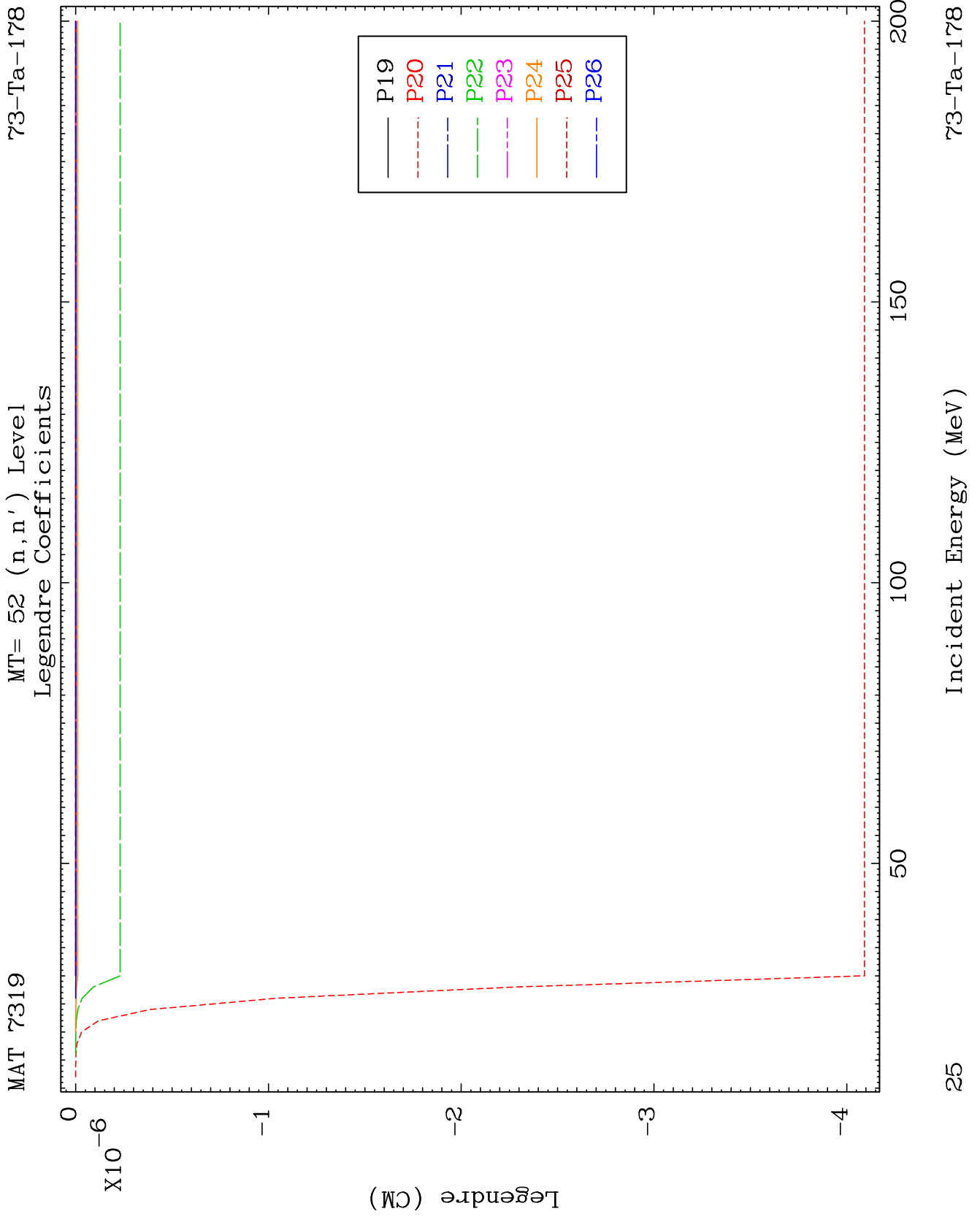
73-Ta-178

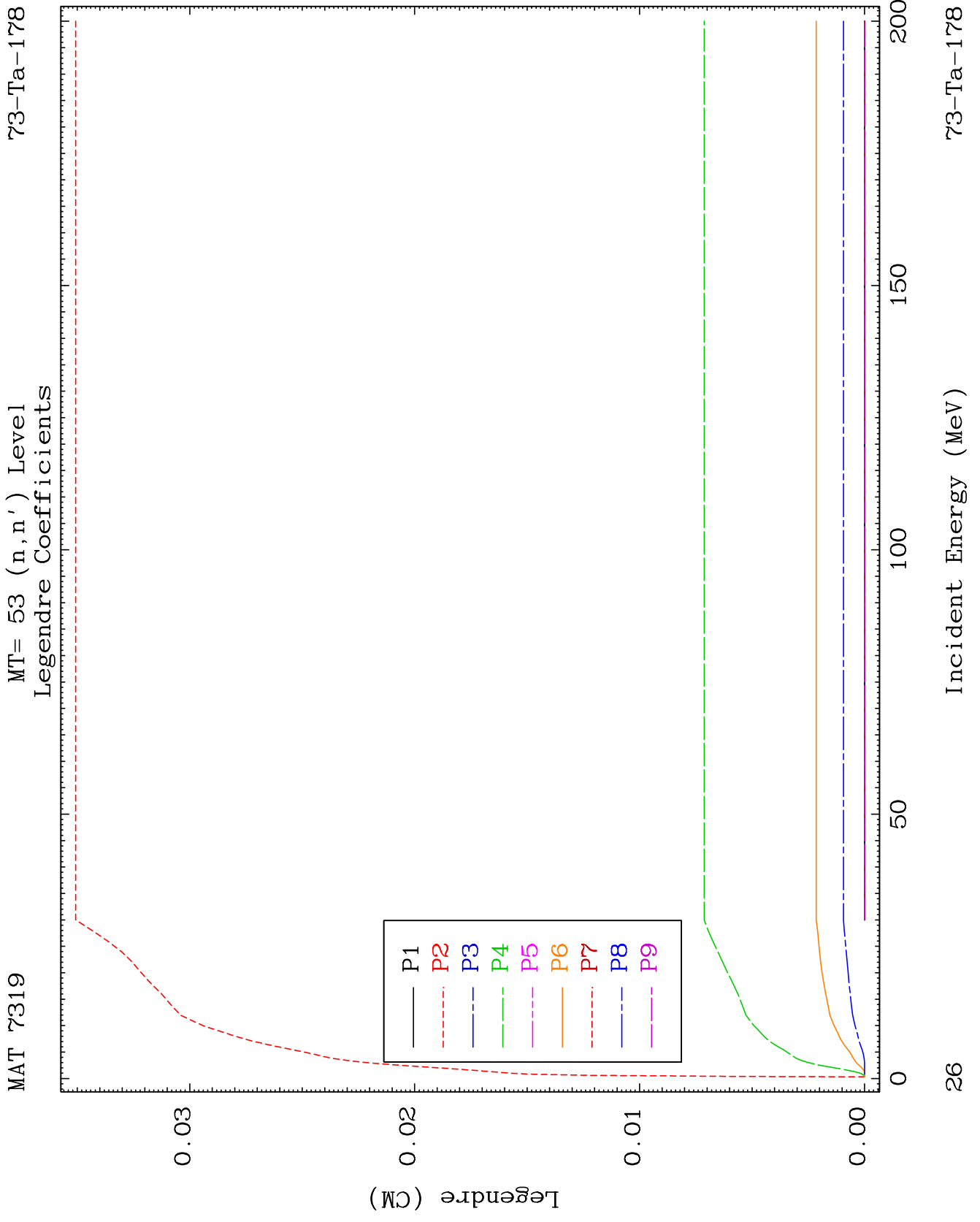


24

Incident Energy (MeV)

73-Ta-178

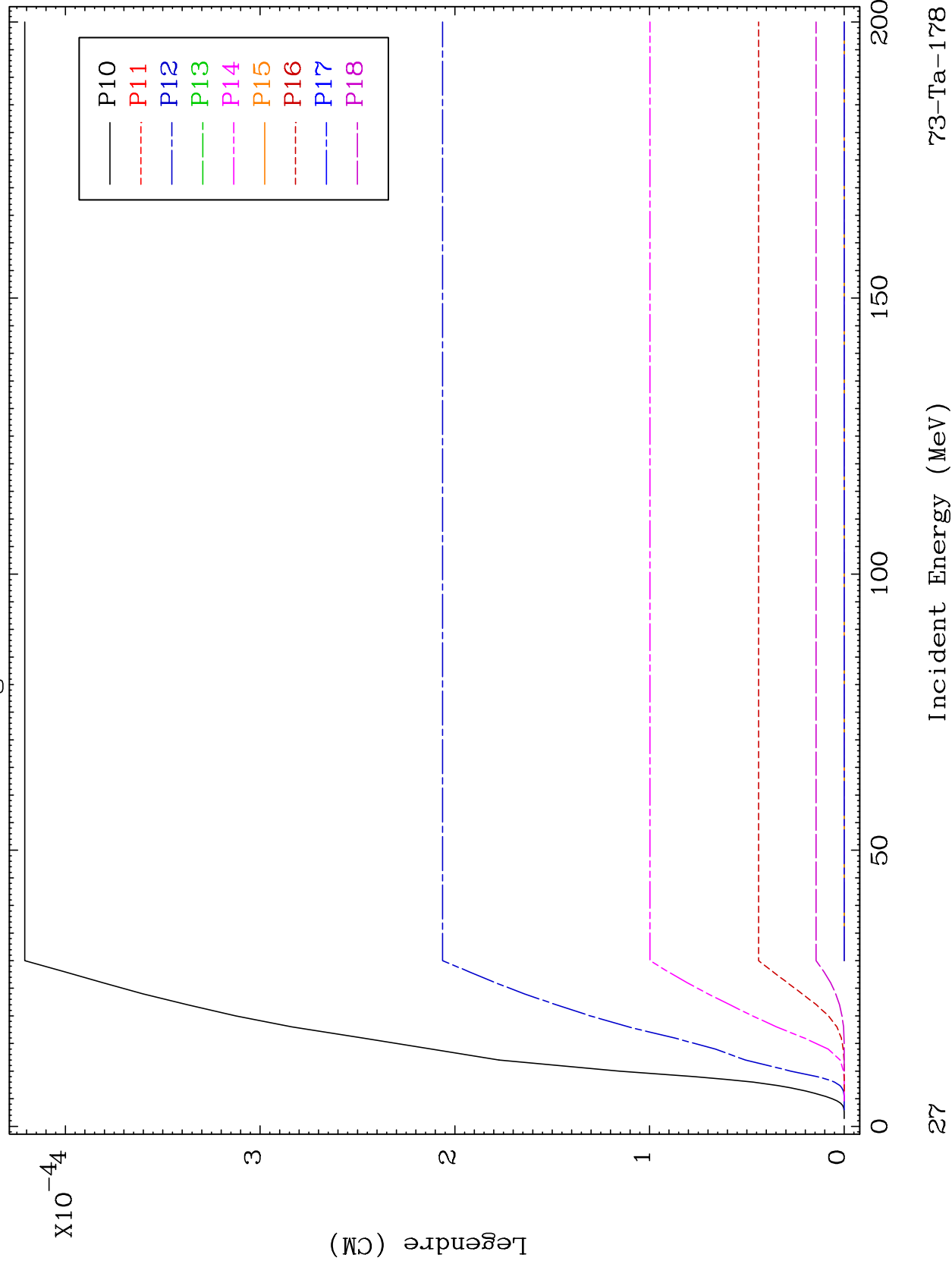




MAT 7319

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

73-Ta-178



27

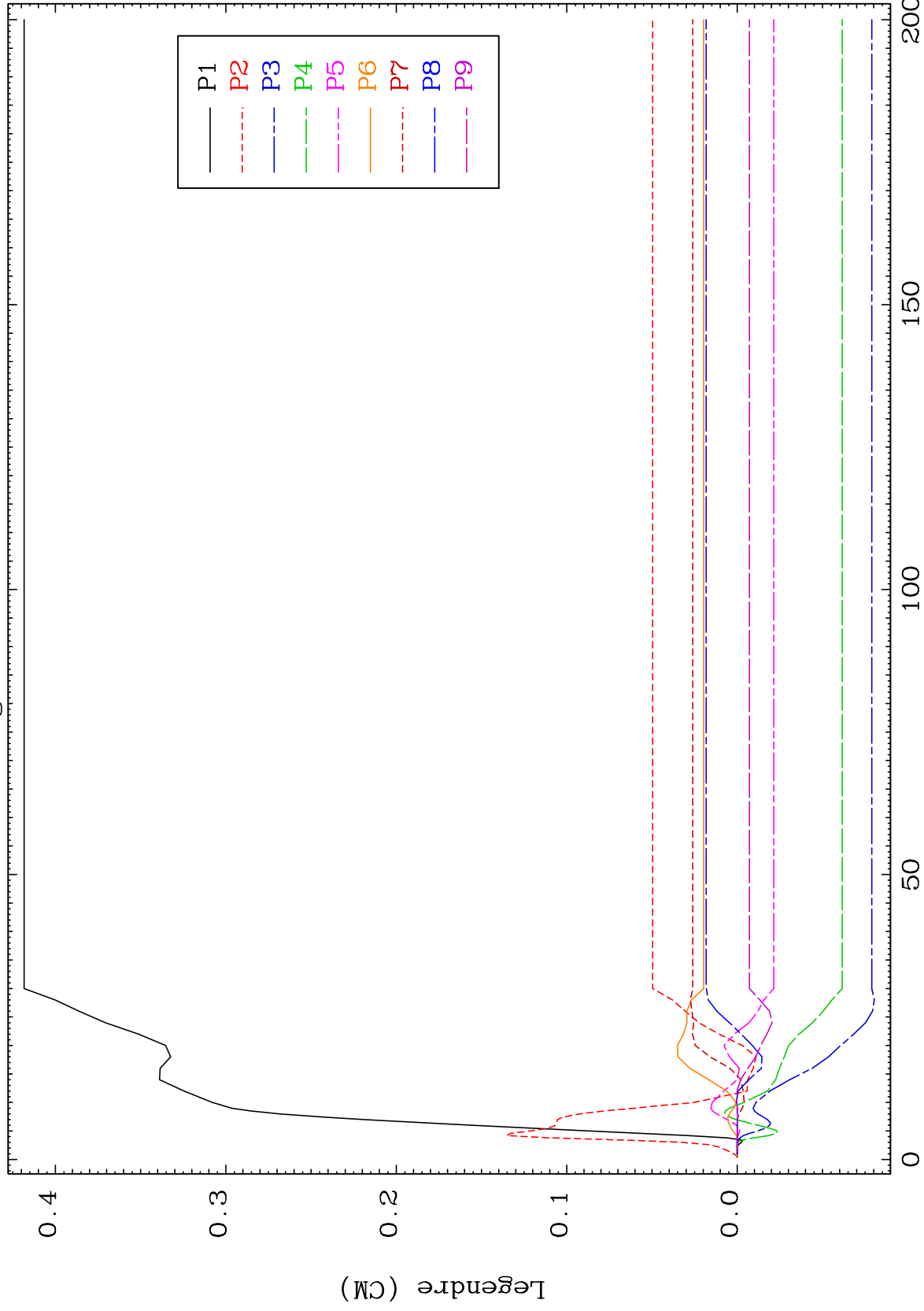
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



29

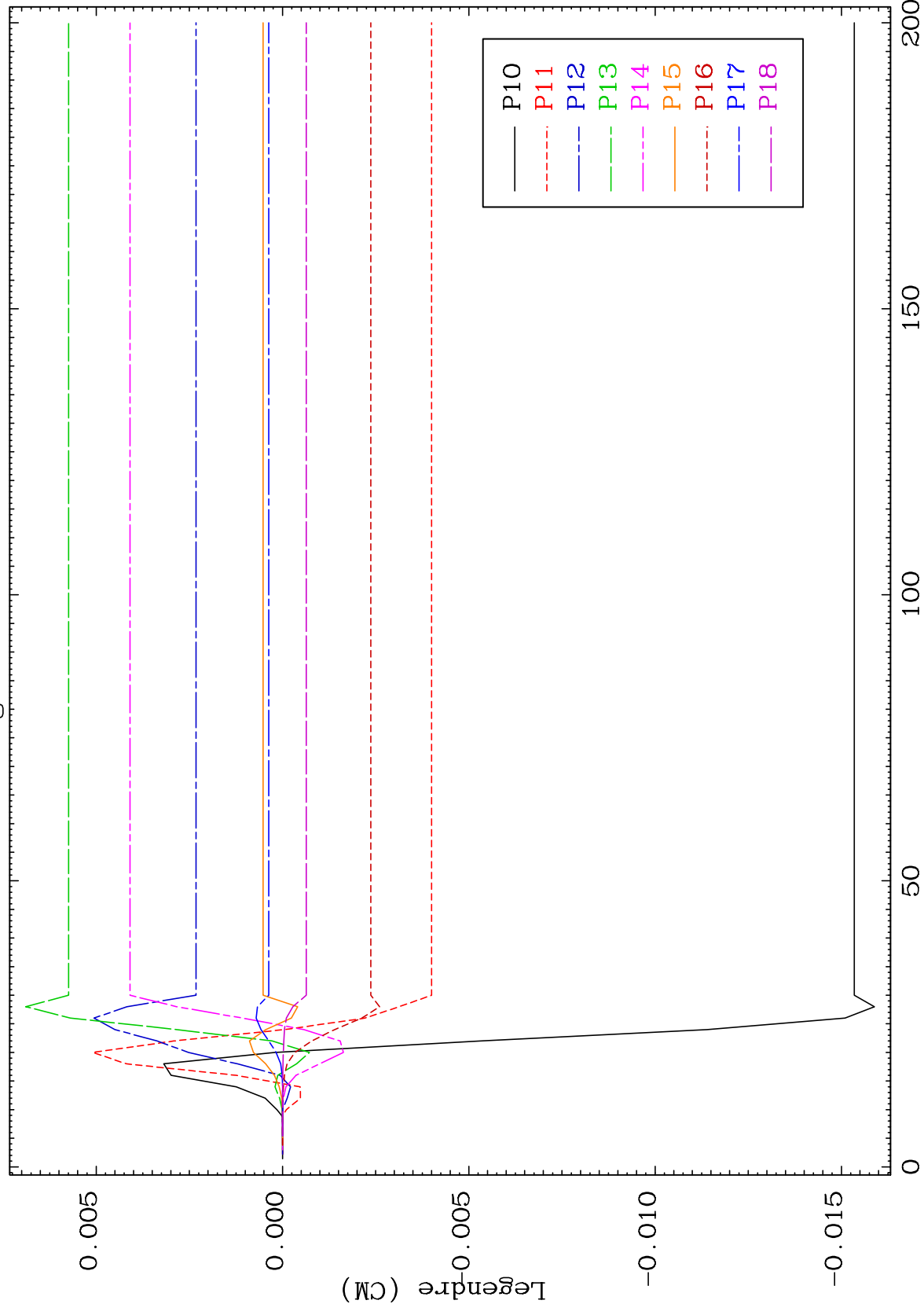
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



73-Ta-178

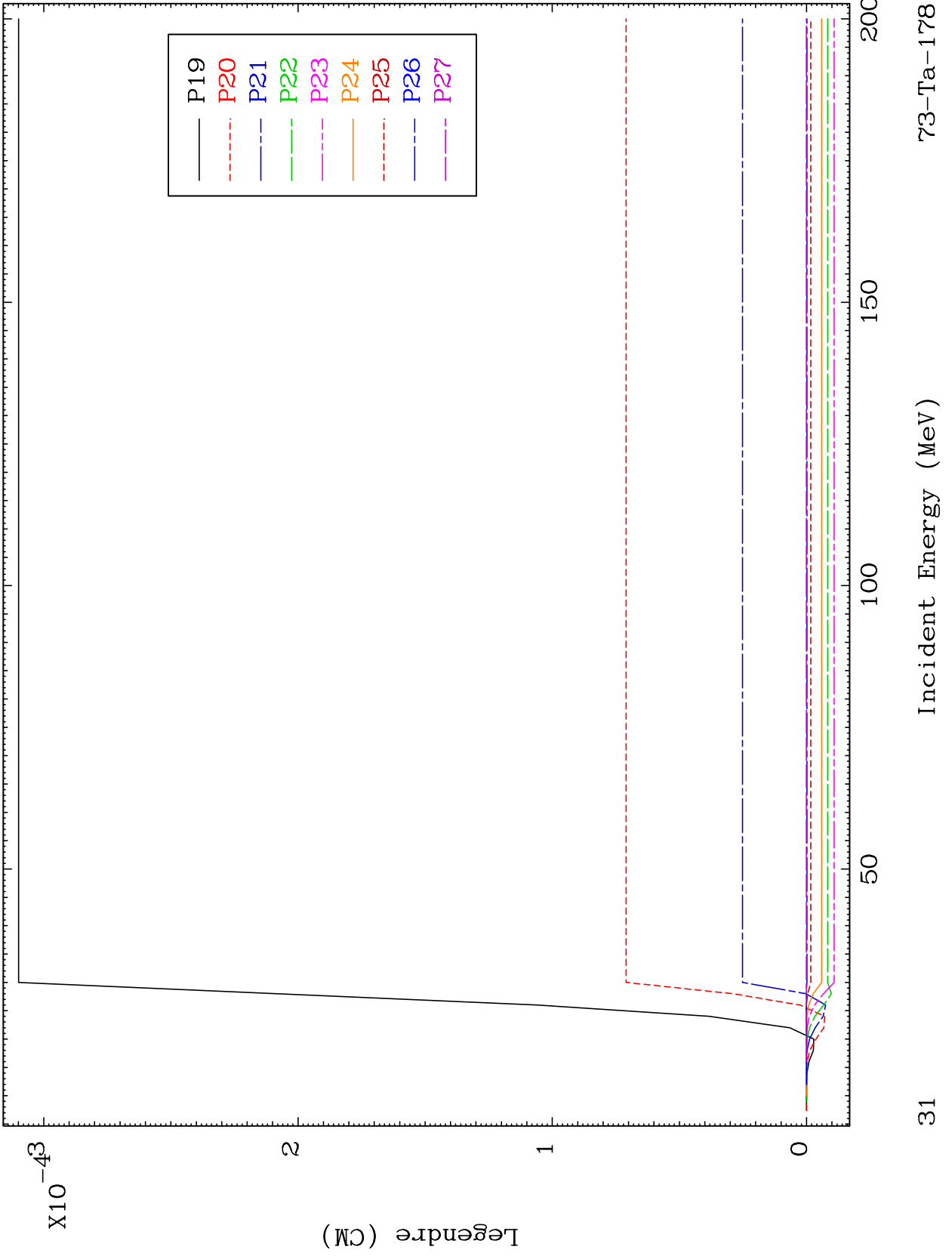
Incident Energy (MeV)

30

MAT 7319

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

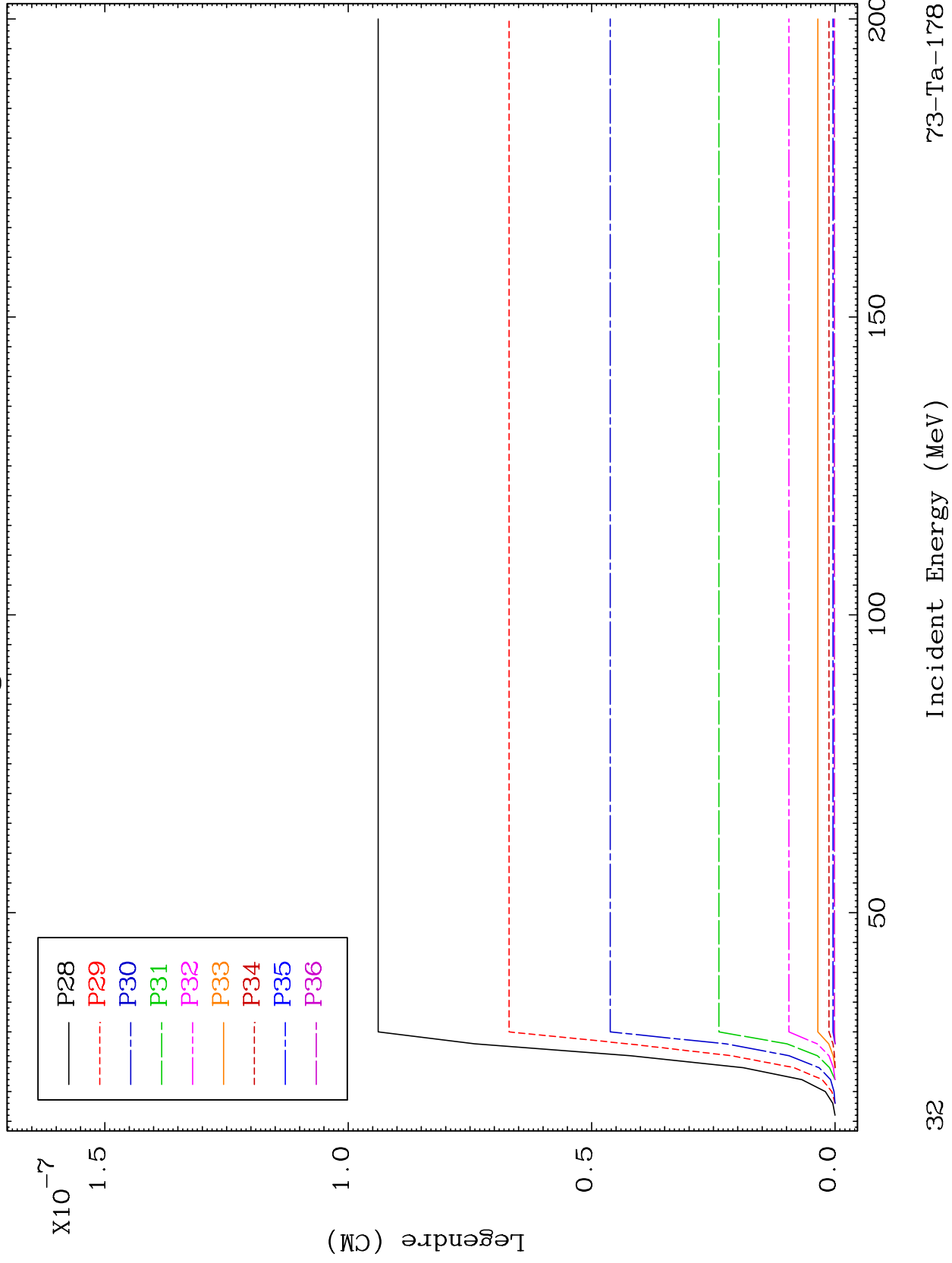
73-Ta-178



MAT 7319

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

73-Ta-178



32

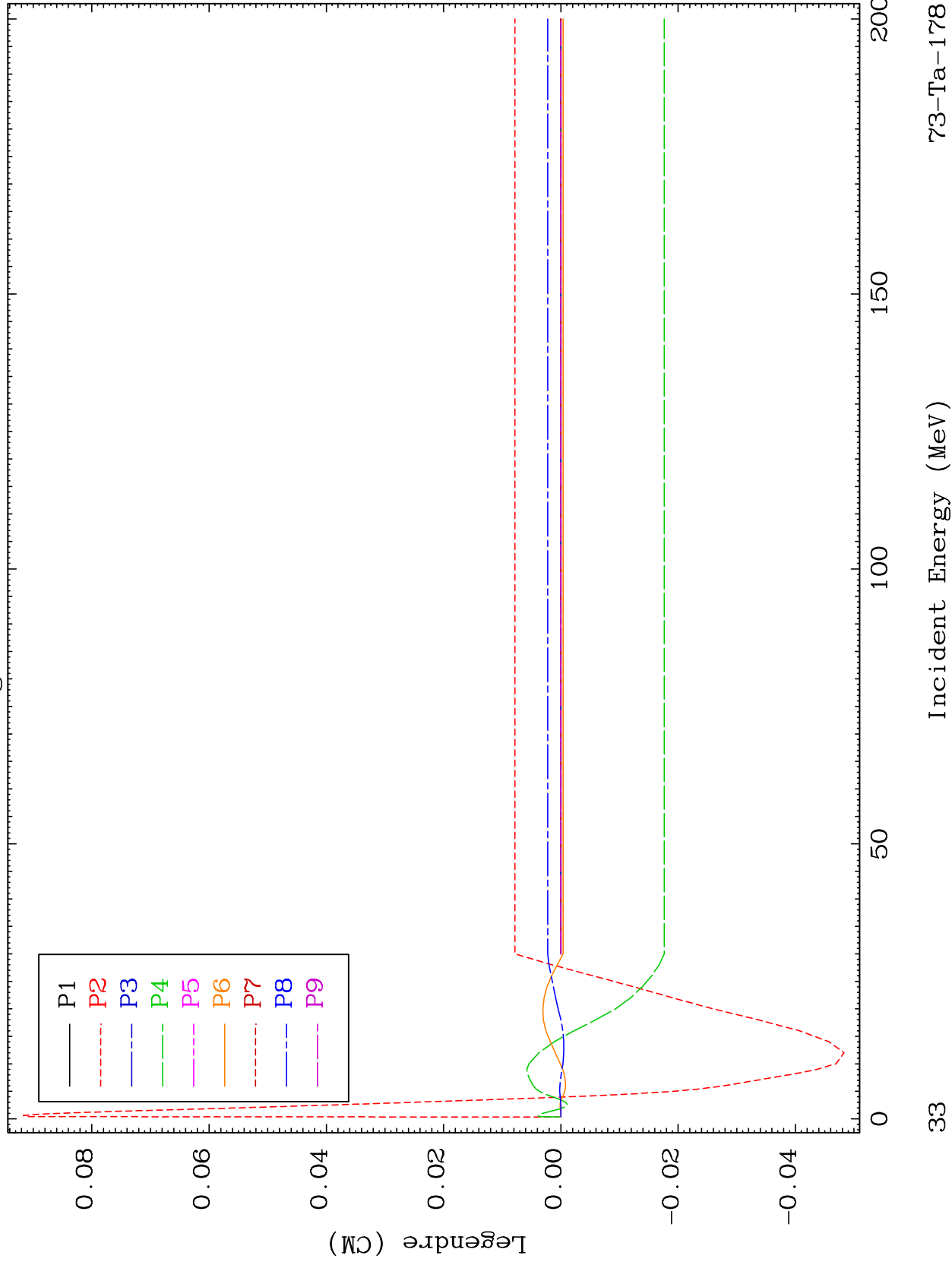
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



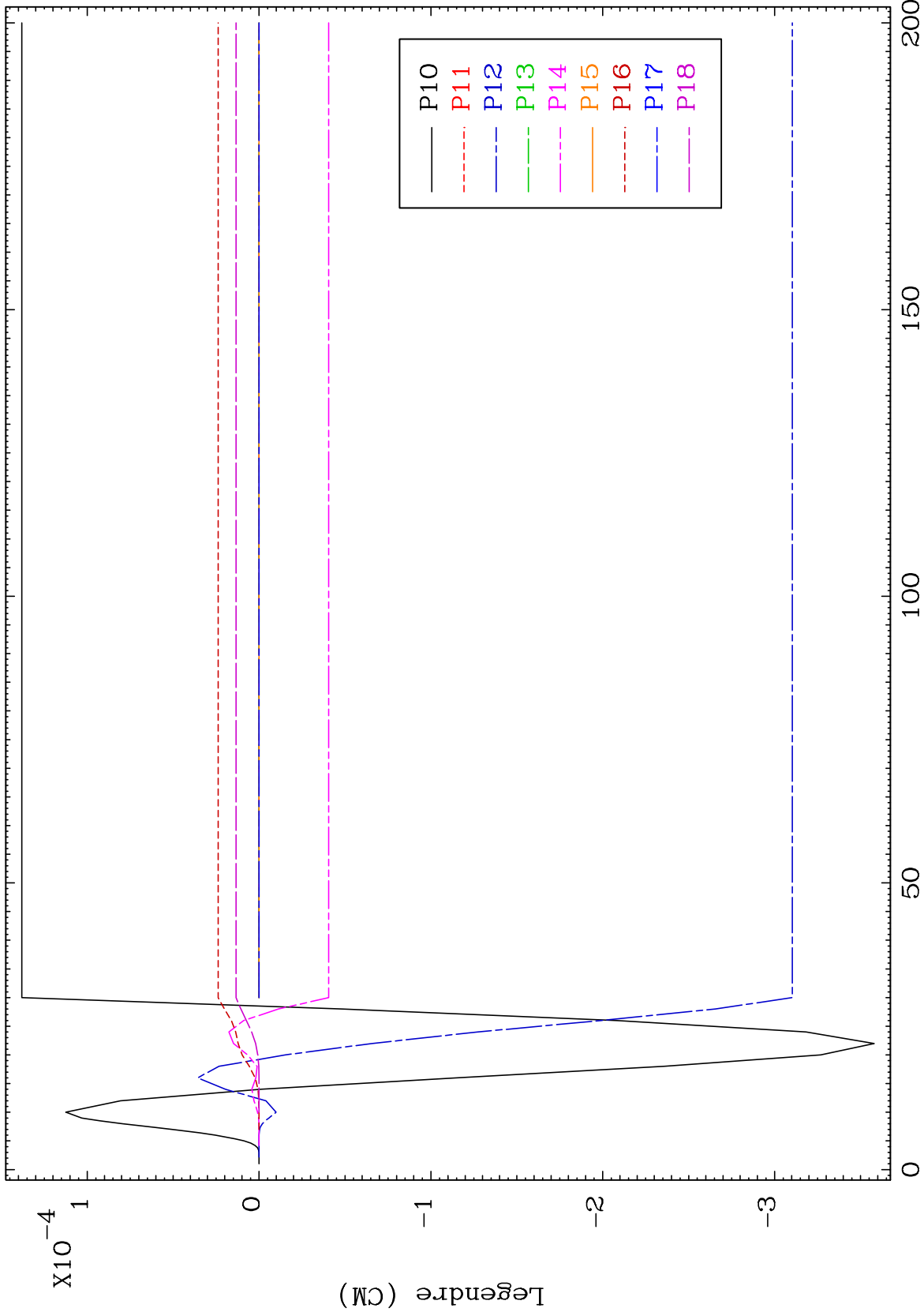
33

73-Ta-178

MAT 7319

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

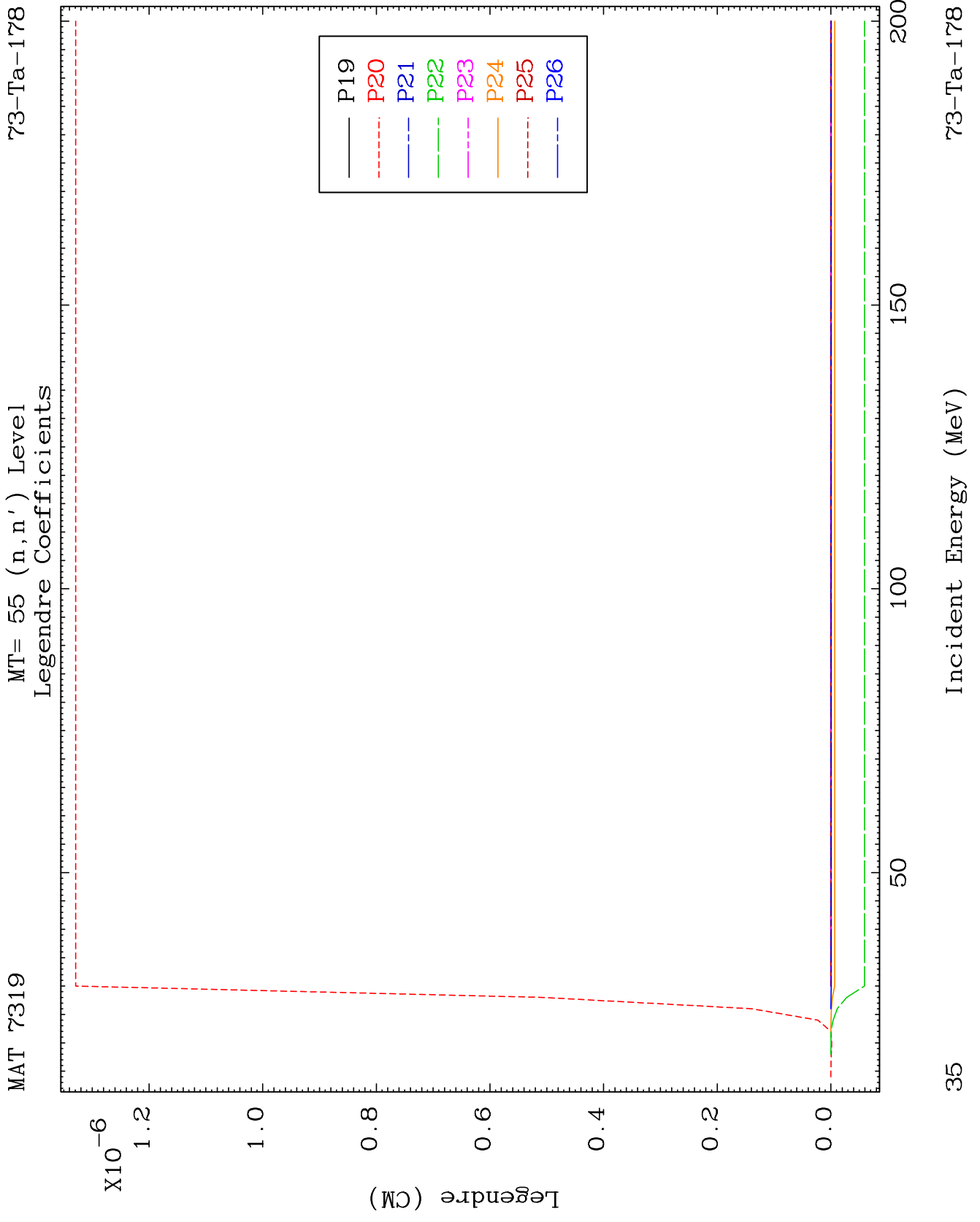
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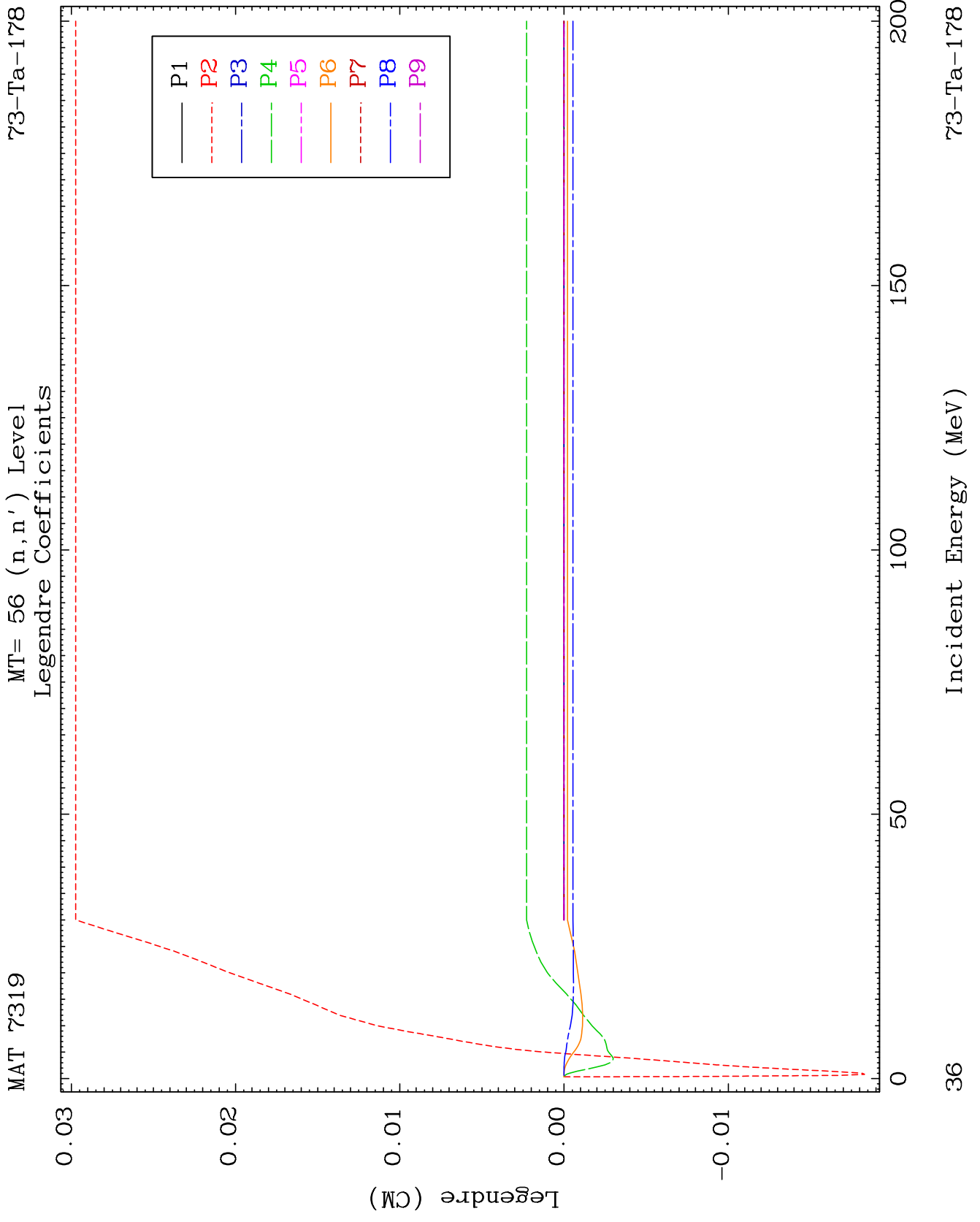


34

Incident Energy (MeV)

73-Ta-178





73-Ta-178

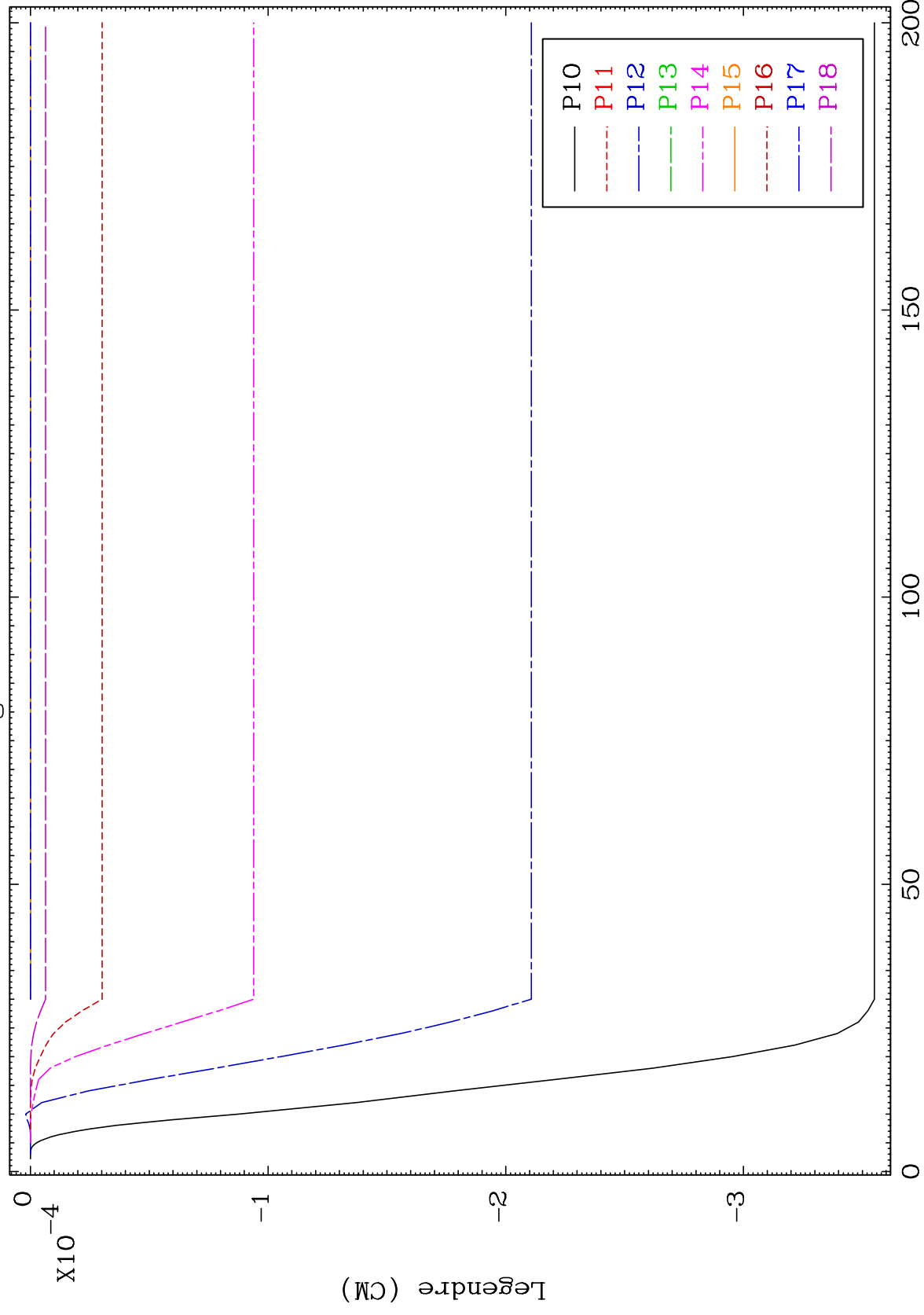
Incident Energy (MeV)

36

MAT 7319

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

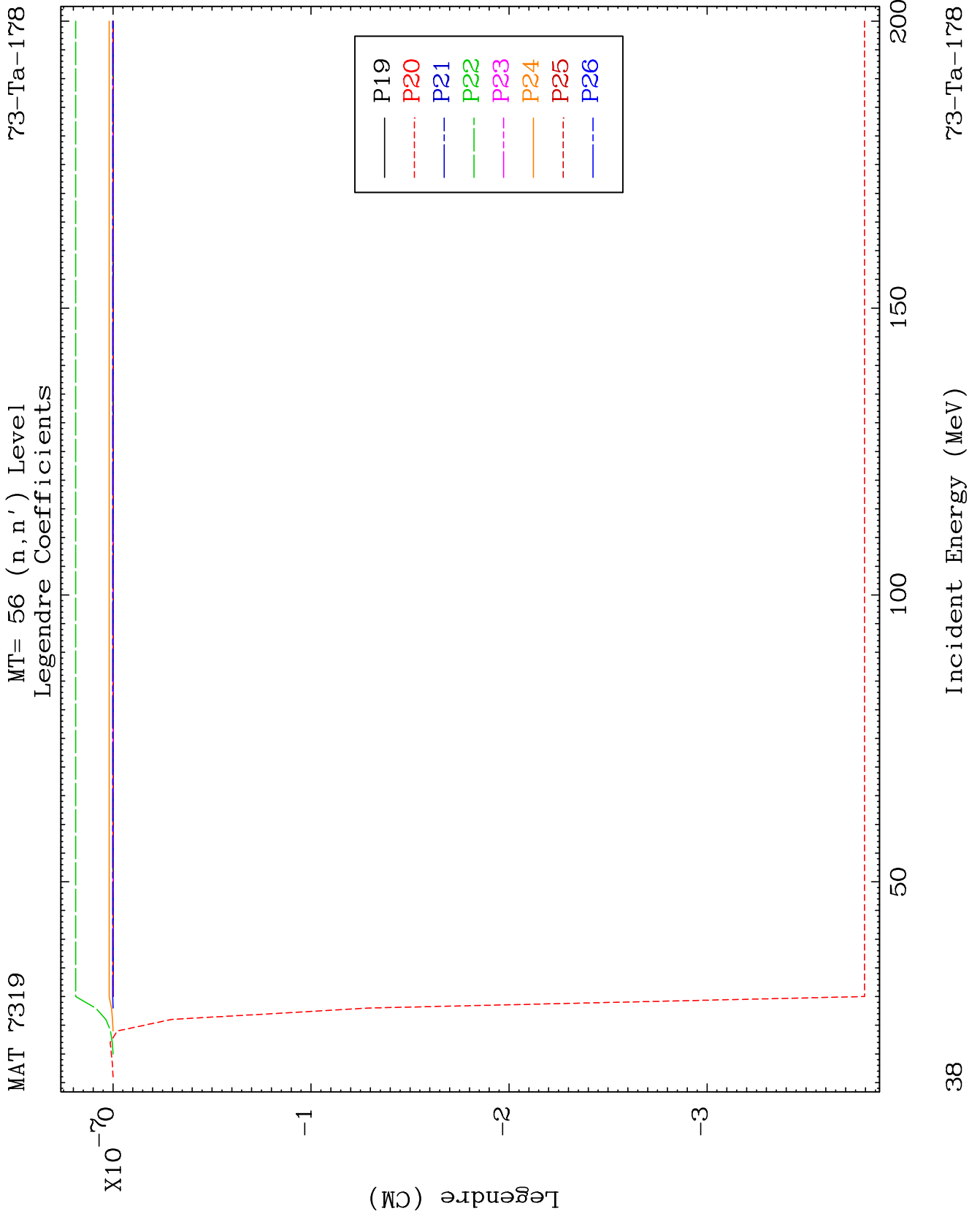
73-Ta-178



37

Incident Energy (MeV)

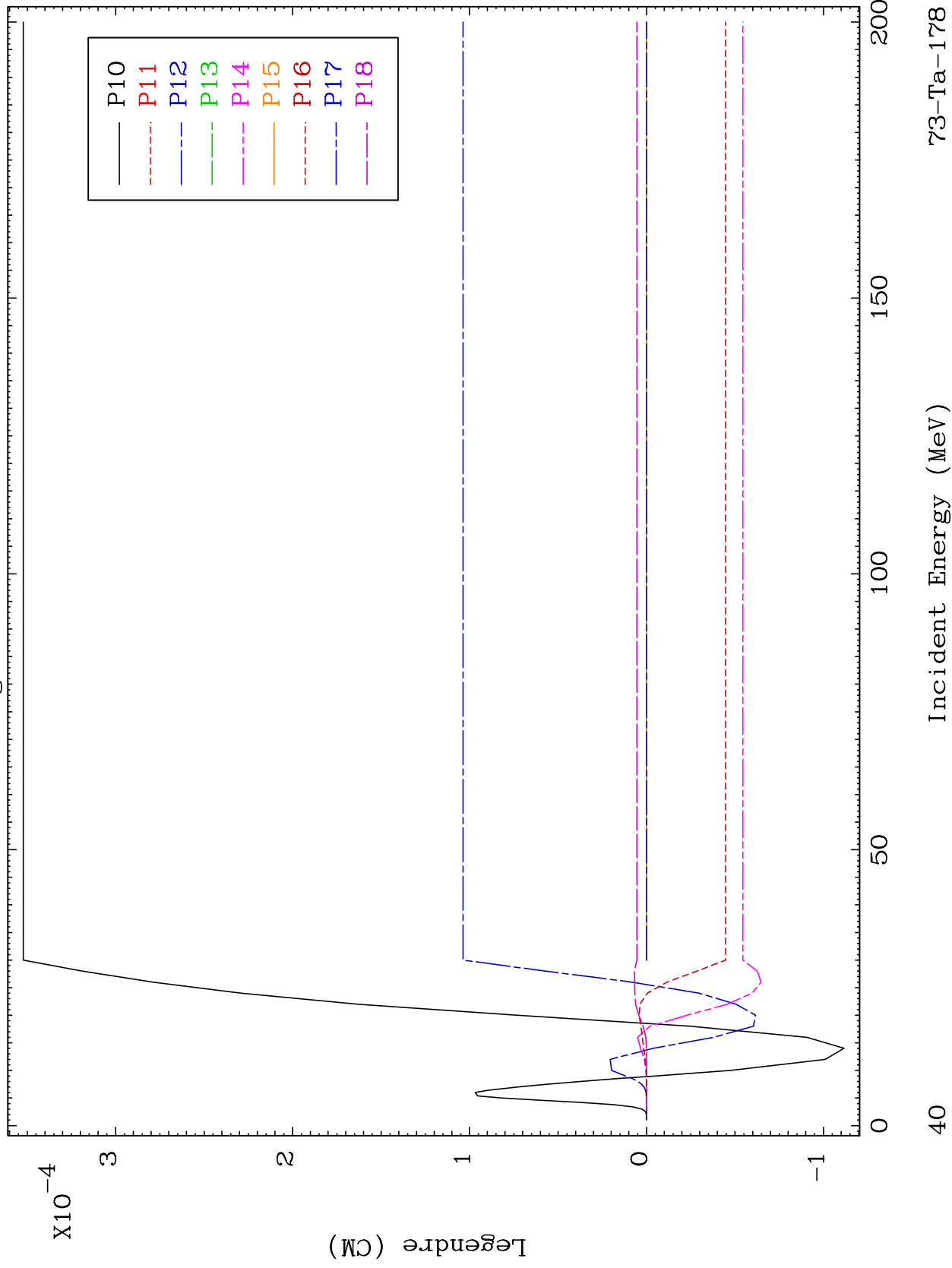
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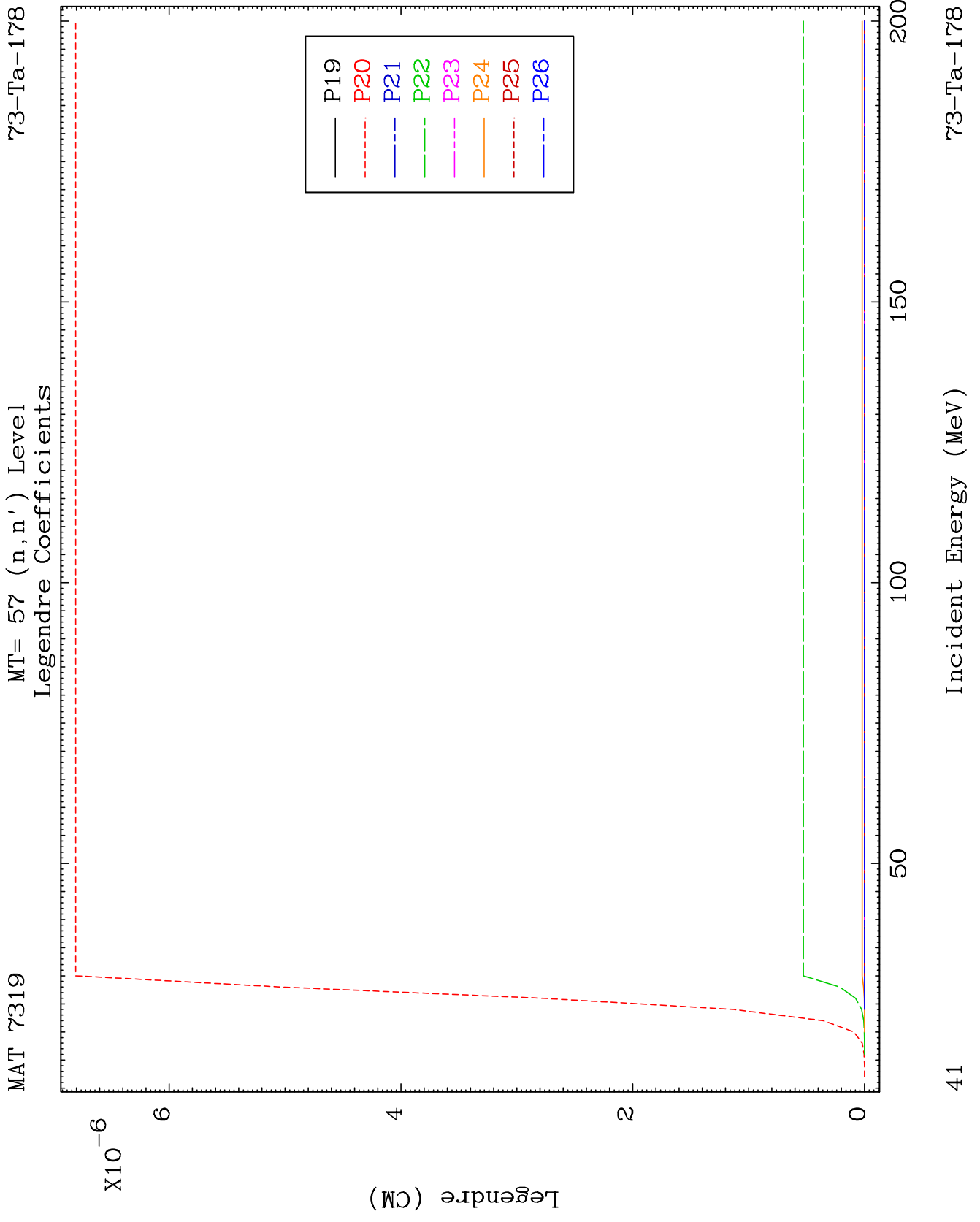


MAT 7319

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

73-Ta-178

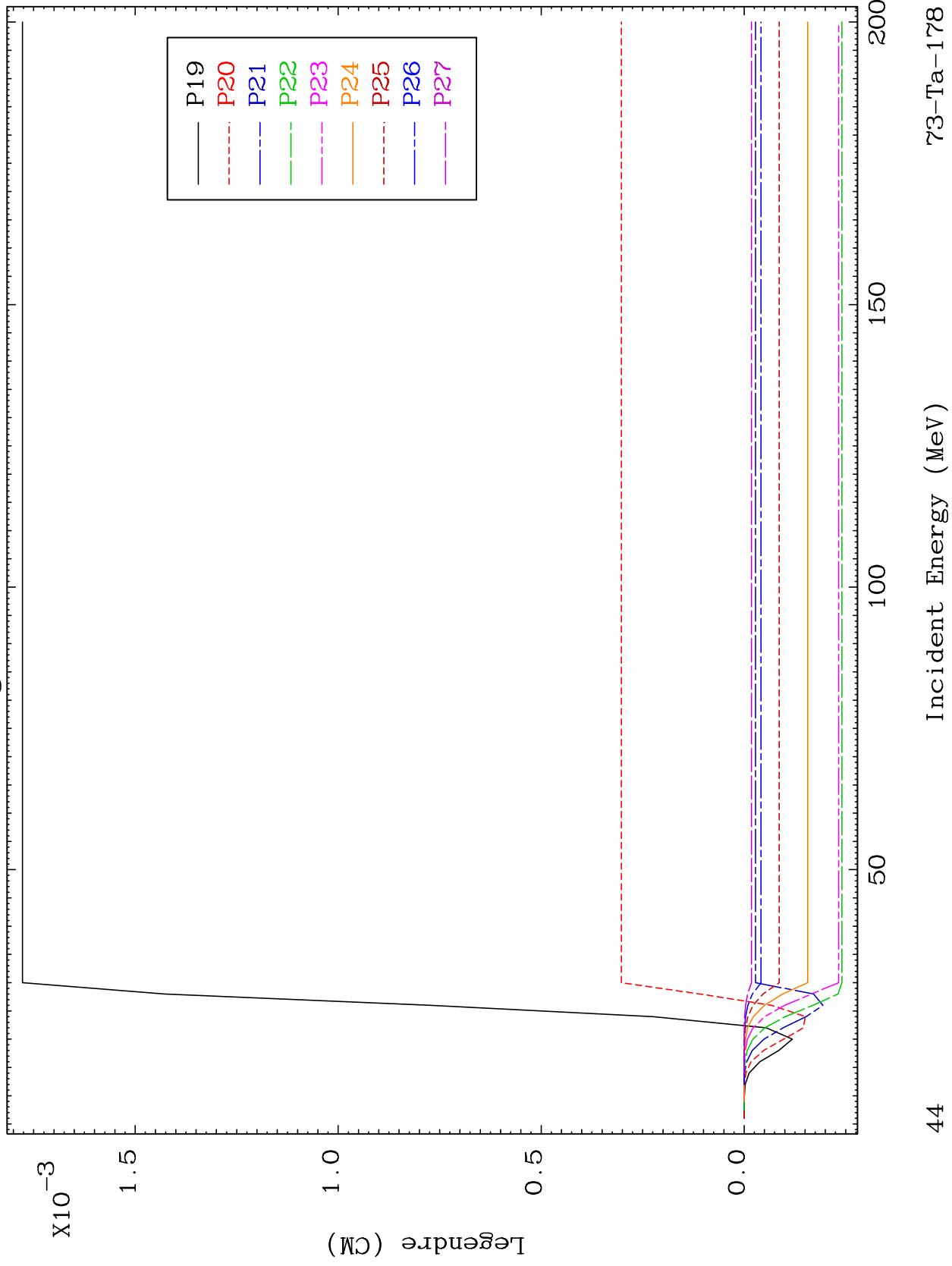




MAT 7319

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

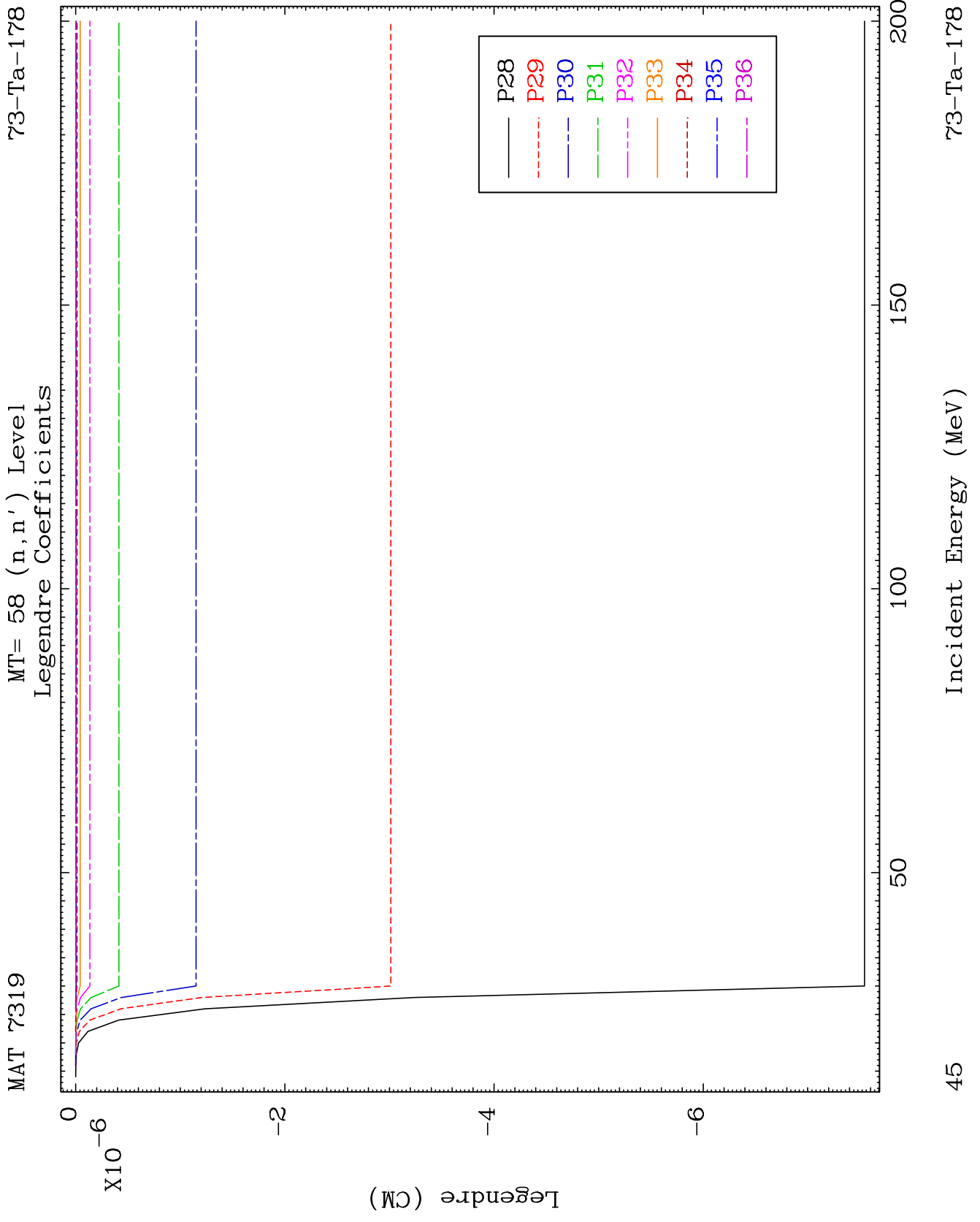
73-Ta-178



44

Incident Energy (MeV)

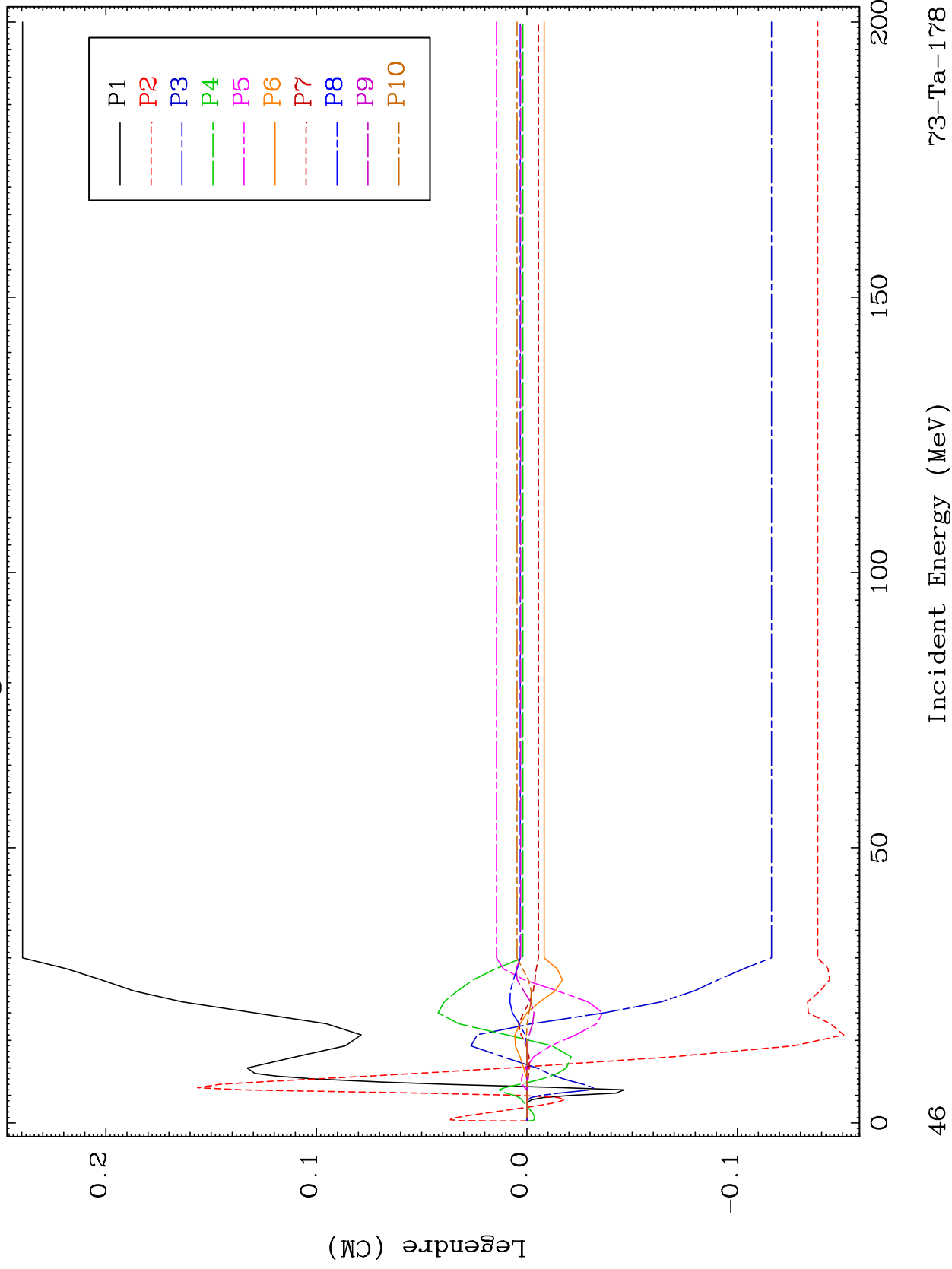
73-Ta-178



MAT 7319

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

73-Ta-178



73-Ta-178

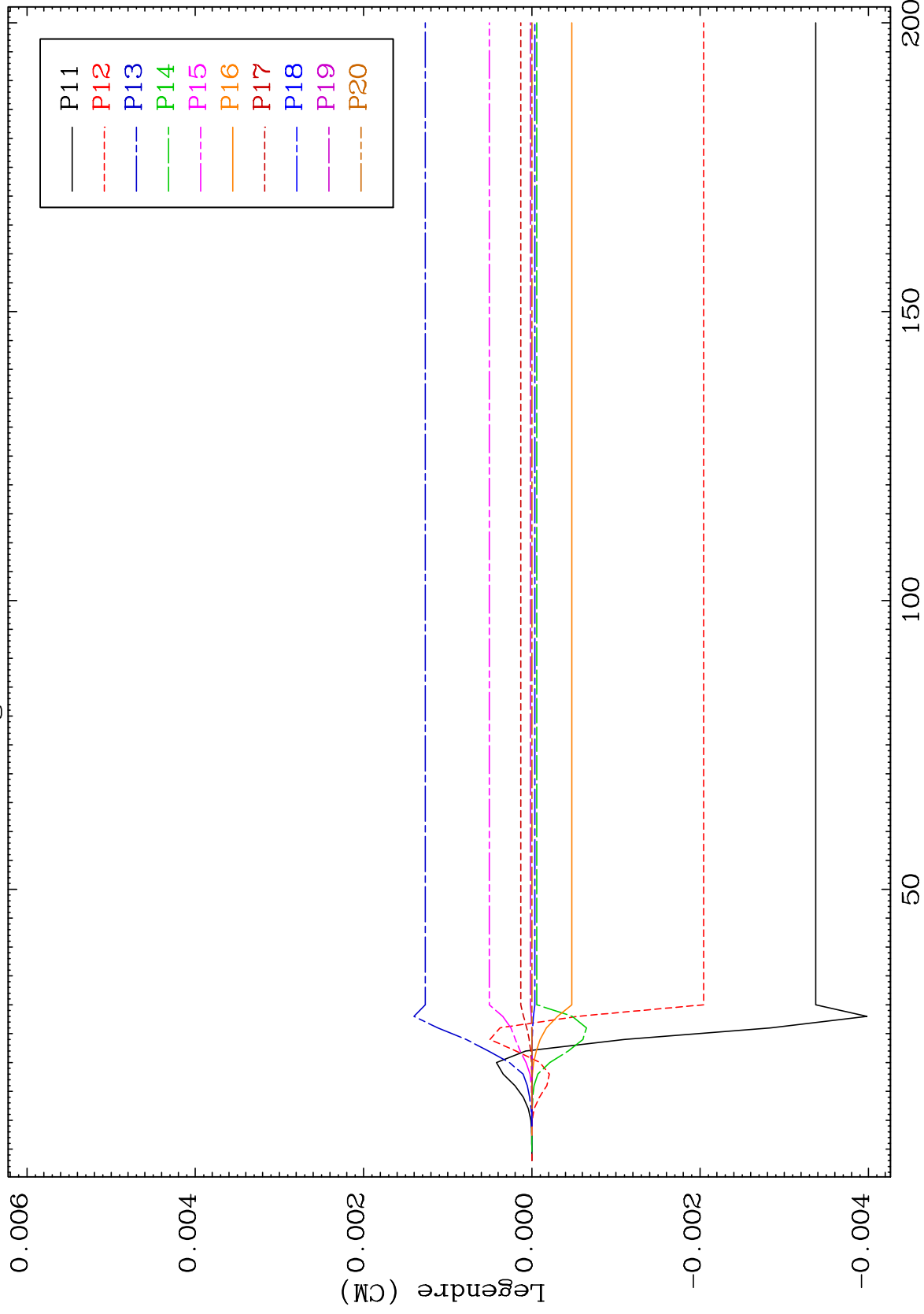
Incident Energy (MeV)

46

MAT 7319

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

73-Ta-178



47

Incident Energy (MeV)

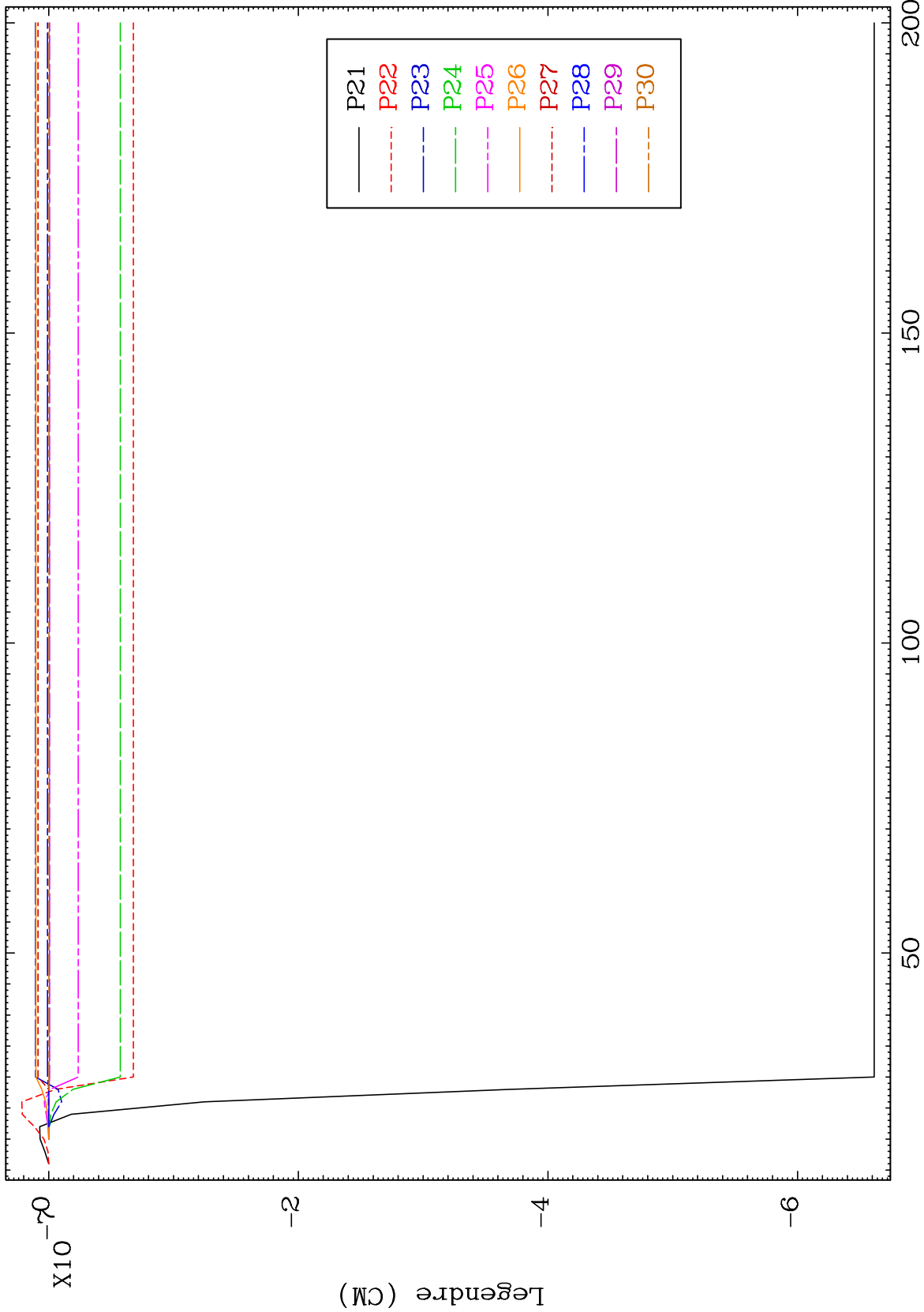
73-Ta-178

MAT 7319

MT= 59 (n,n') Level

73-Ta-178

Legendre Coefficients



48

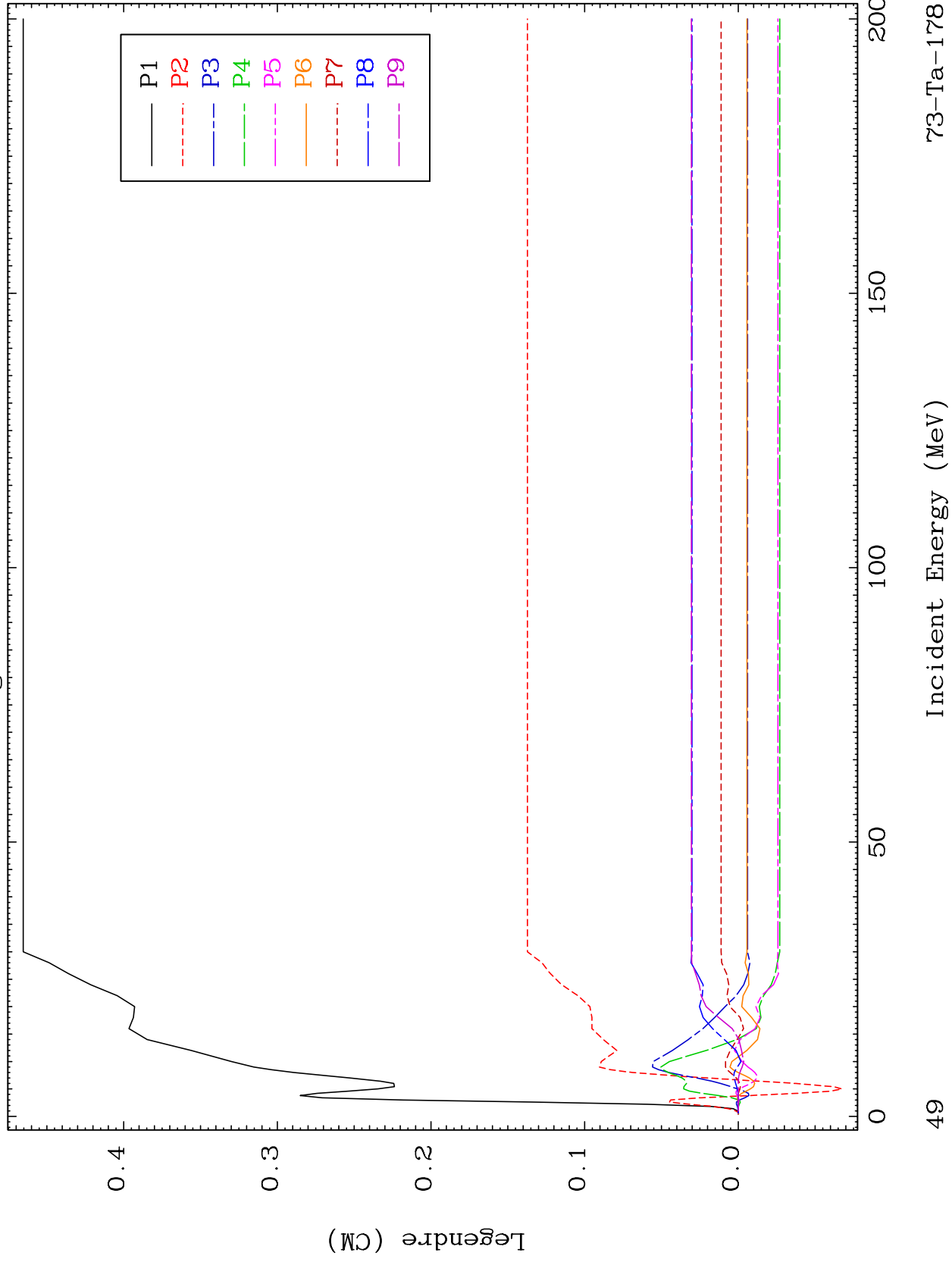
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

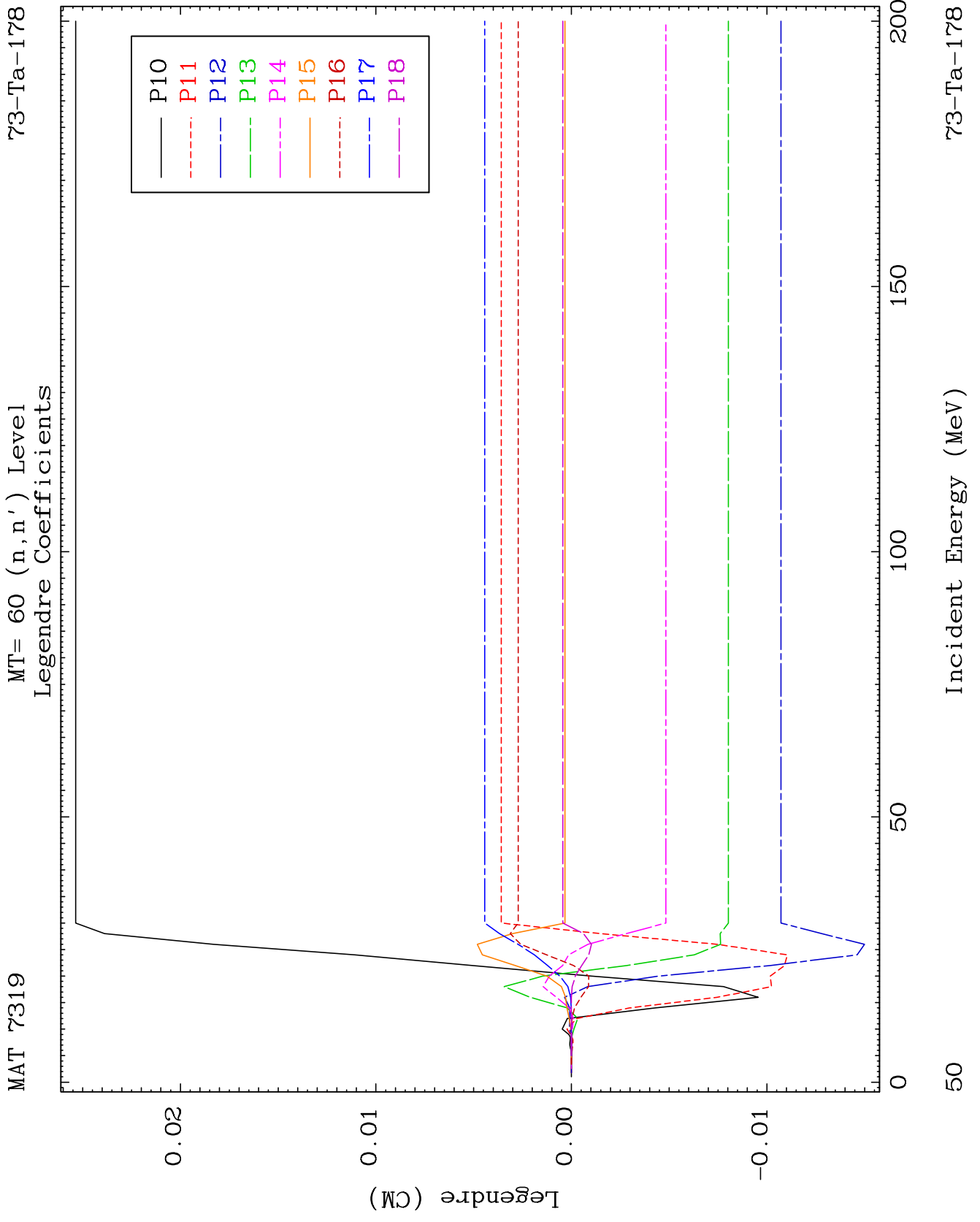
73-Ta-178



73-Ta-178

Incident Energy (MeV)

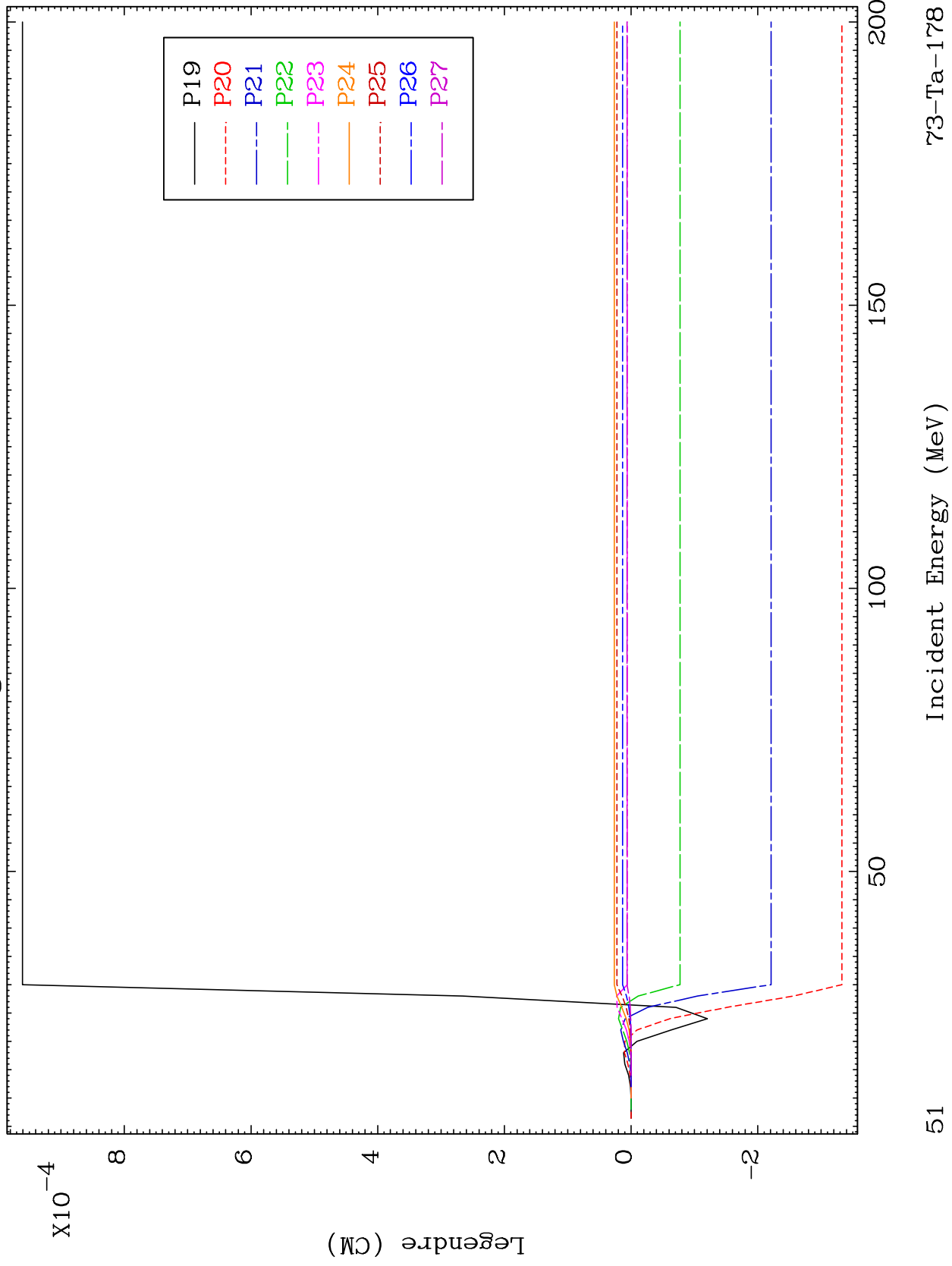
49



MAT 7319

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

73-Ta-178



51

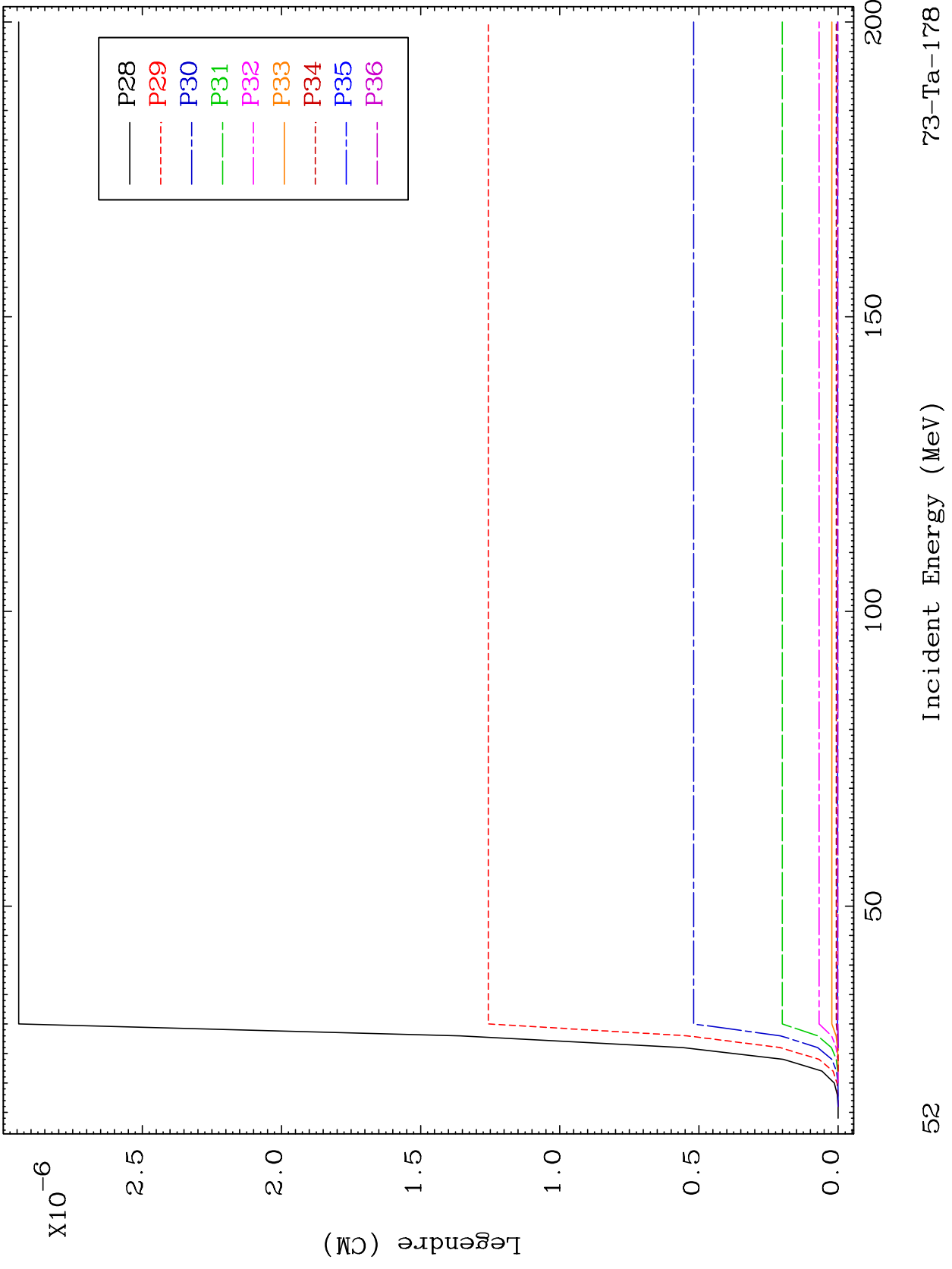
Incident Energy (MeV)

73-Ta-178

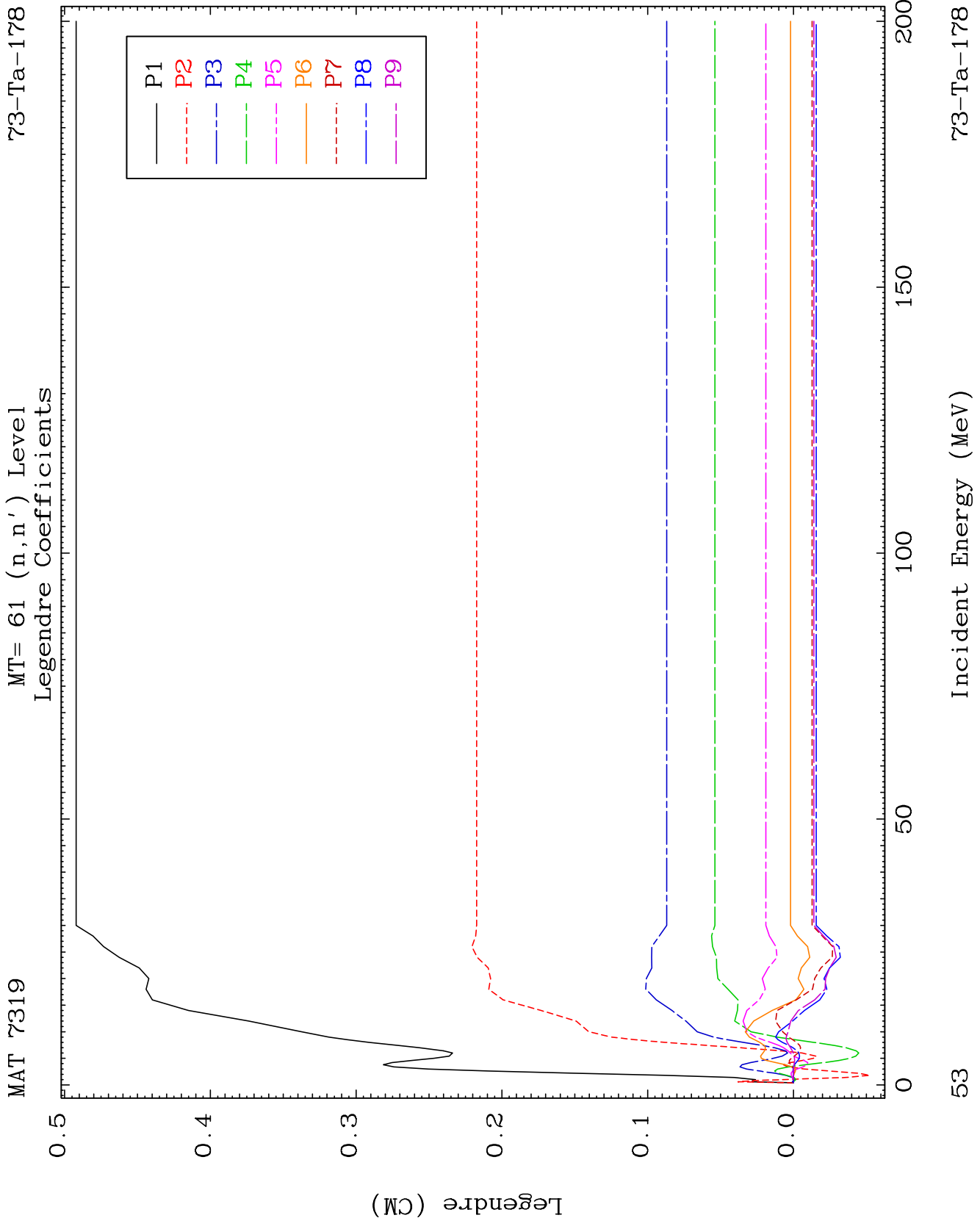
MAT 7319

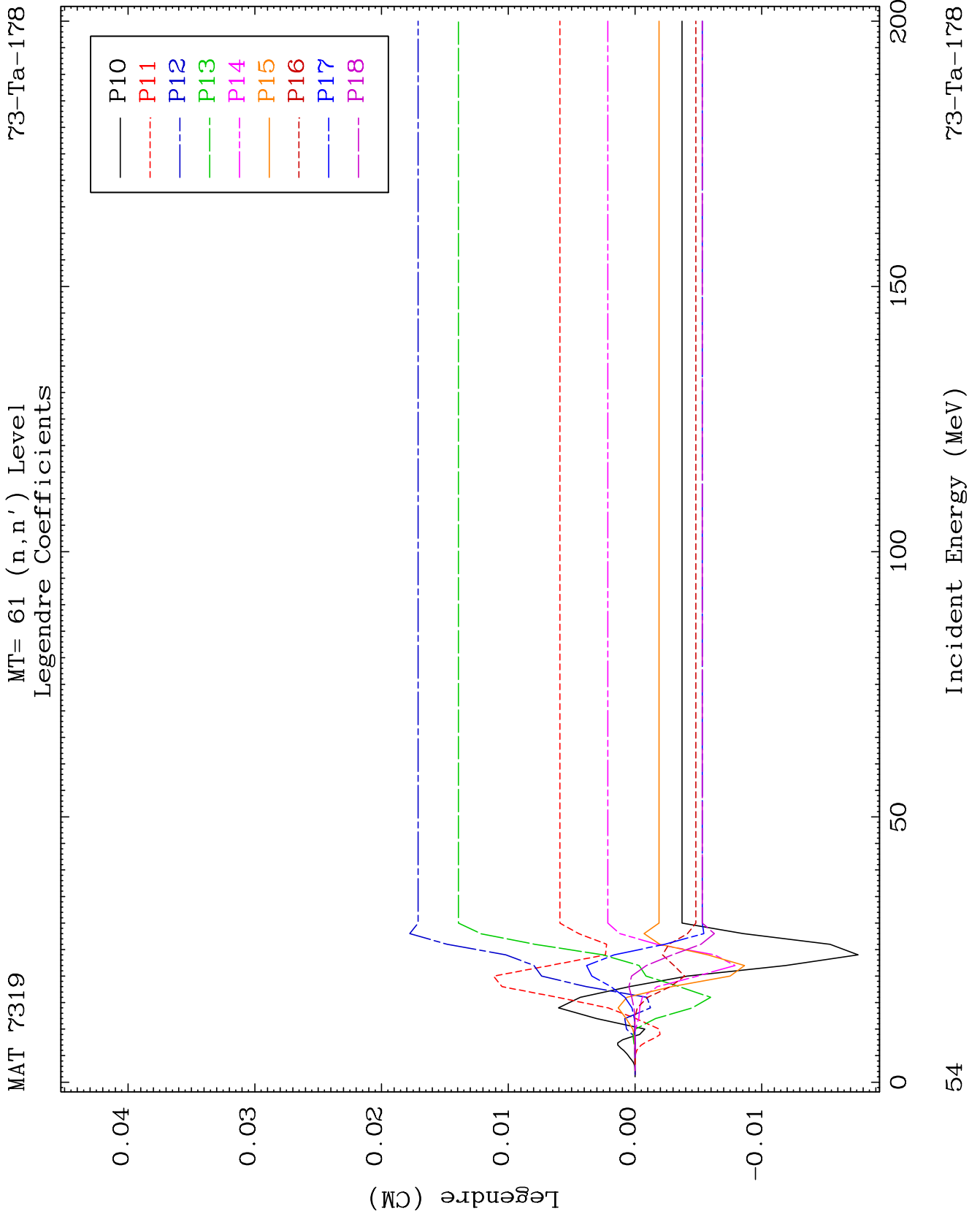
MT= 60 (n,n') Level
Legendre Coefficients

73-Ta-178



52

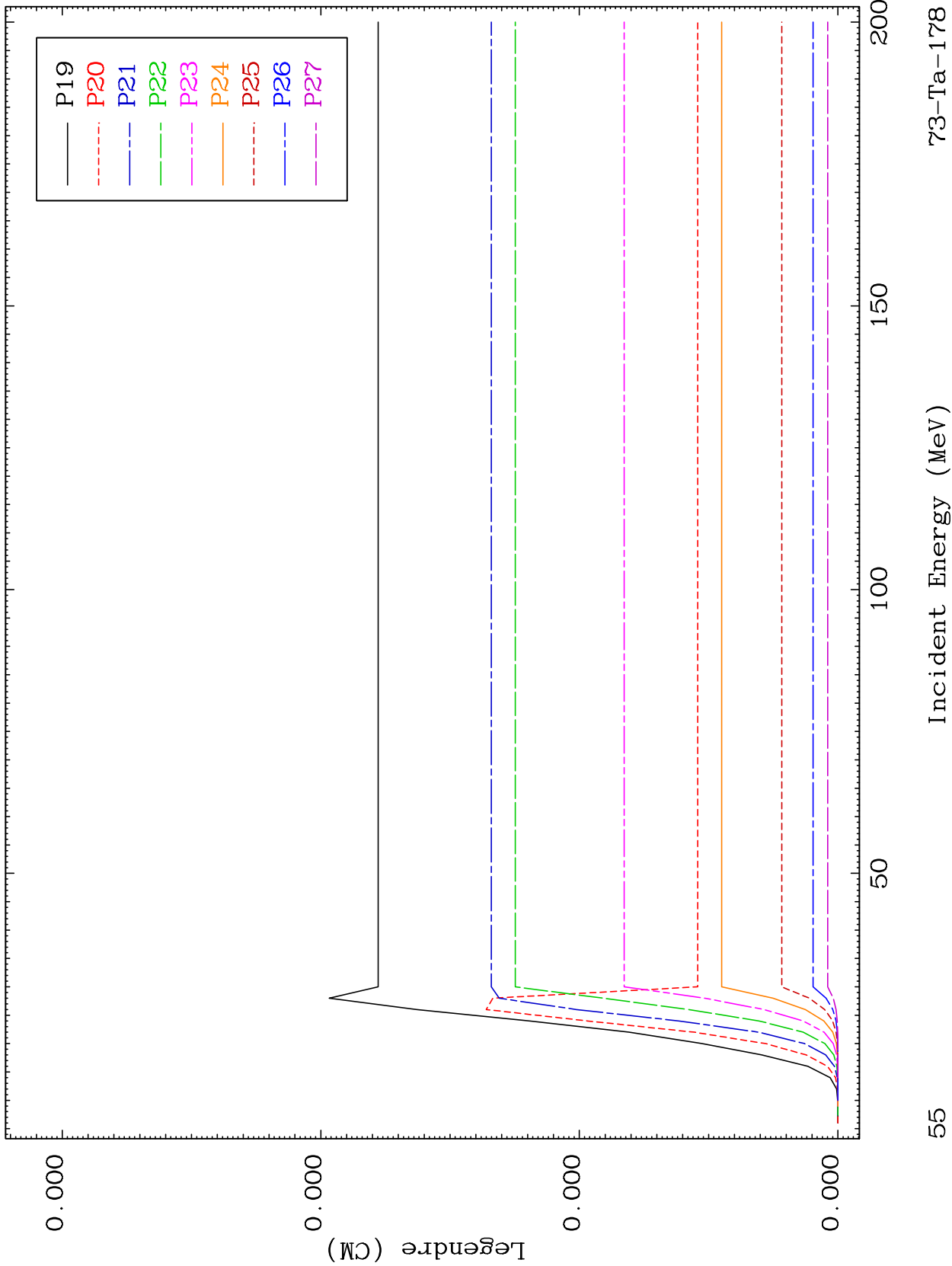




MAT 7319

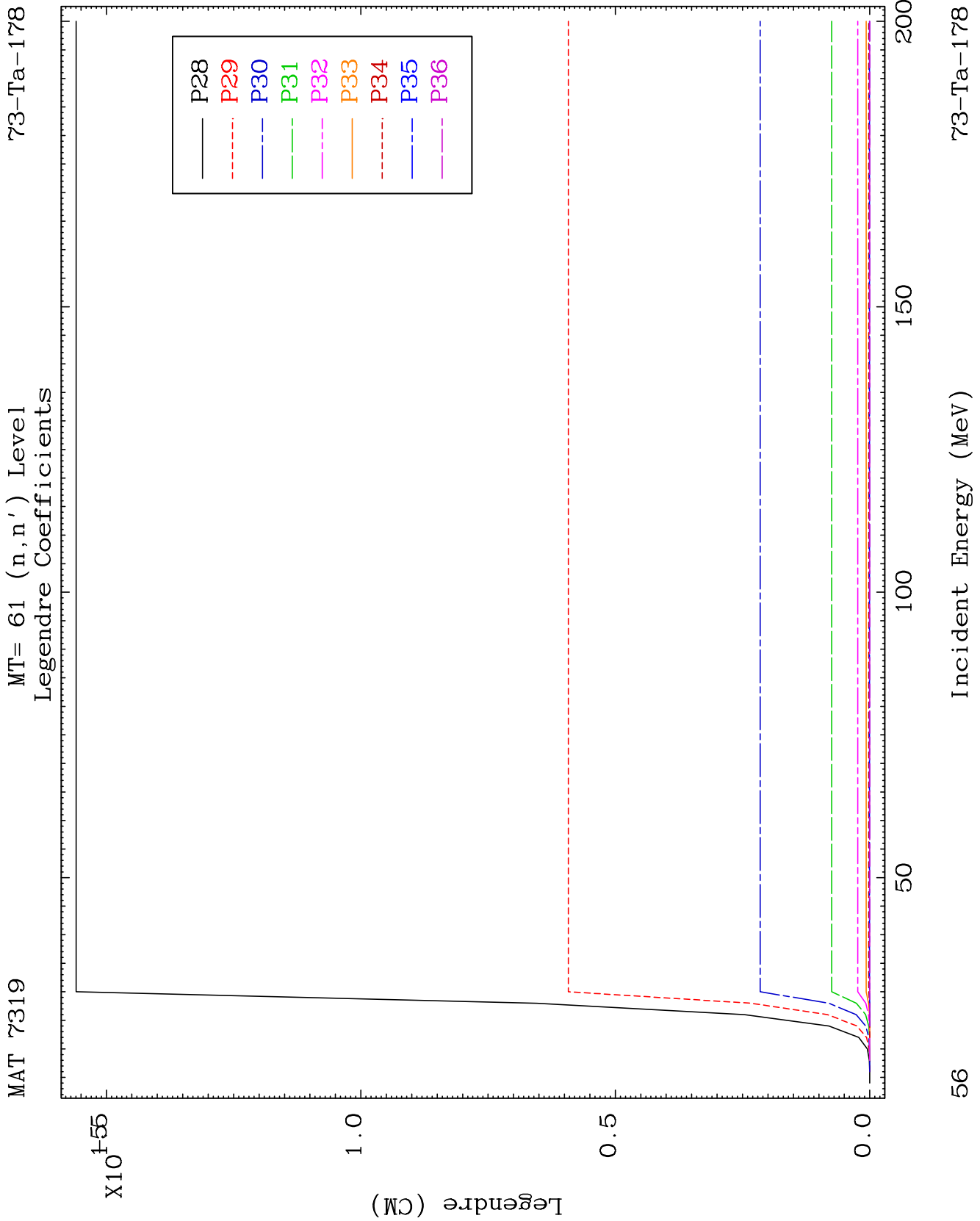
MT= 61 (n,n') Level
Legendre Coefficients

73-Ta-178



55

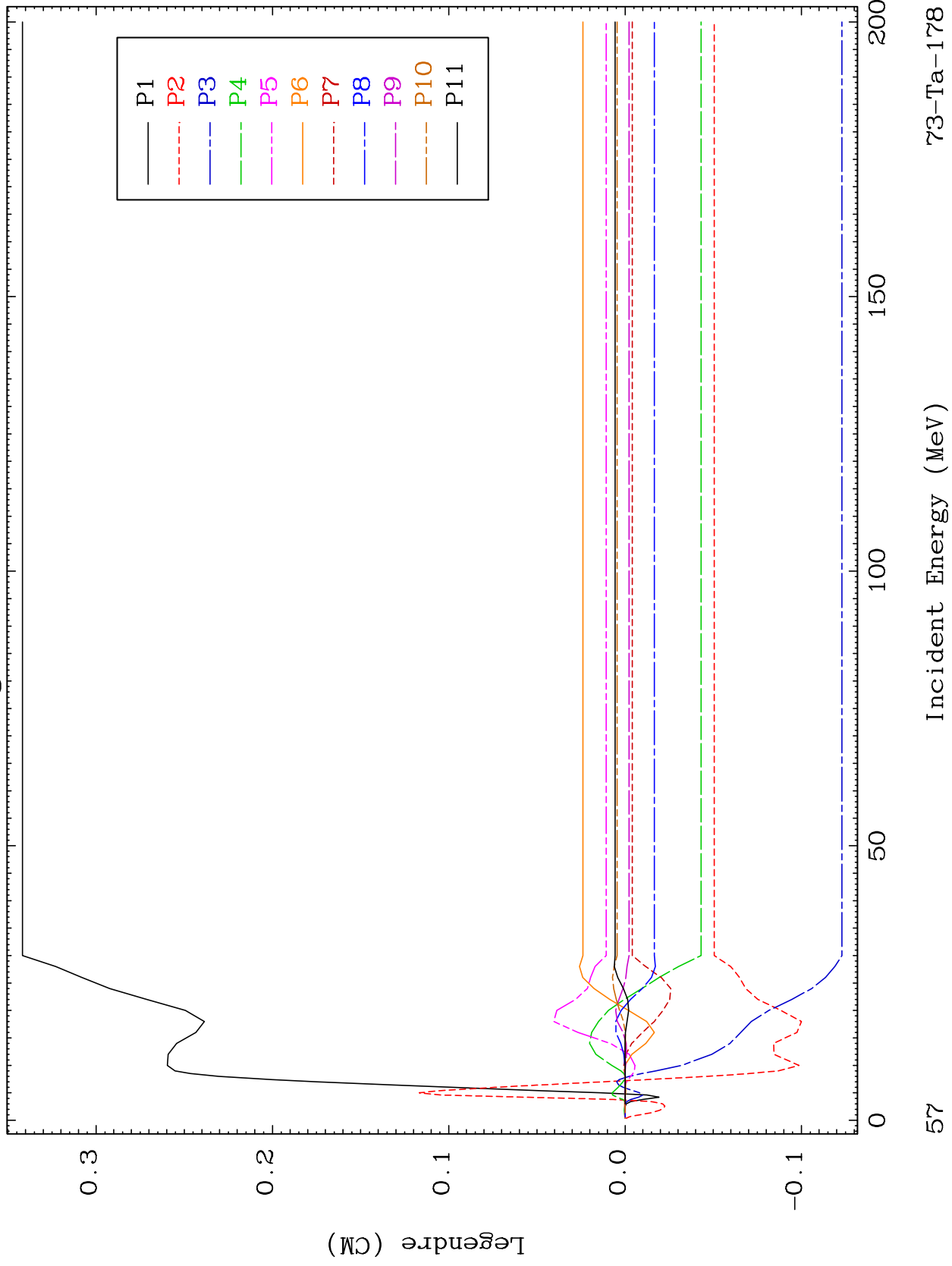
73-Ta-178



MAT 7319

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

73-Ta-178



57

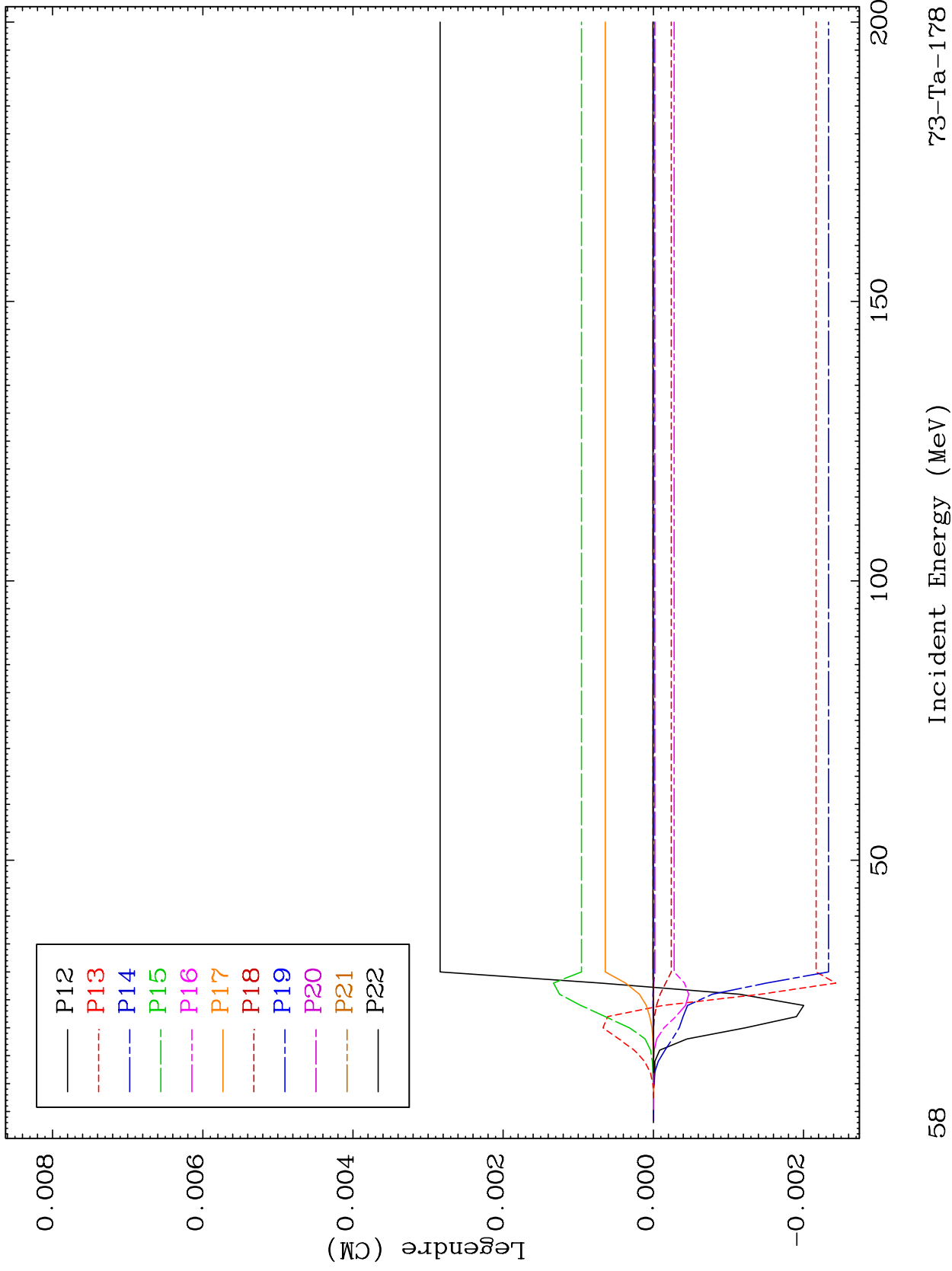
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

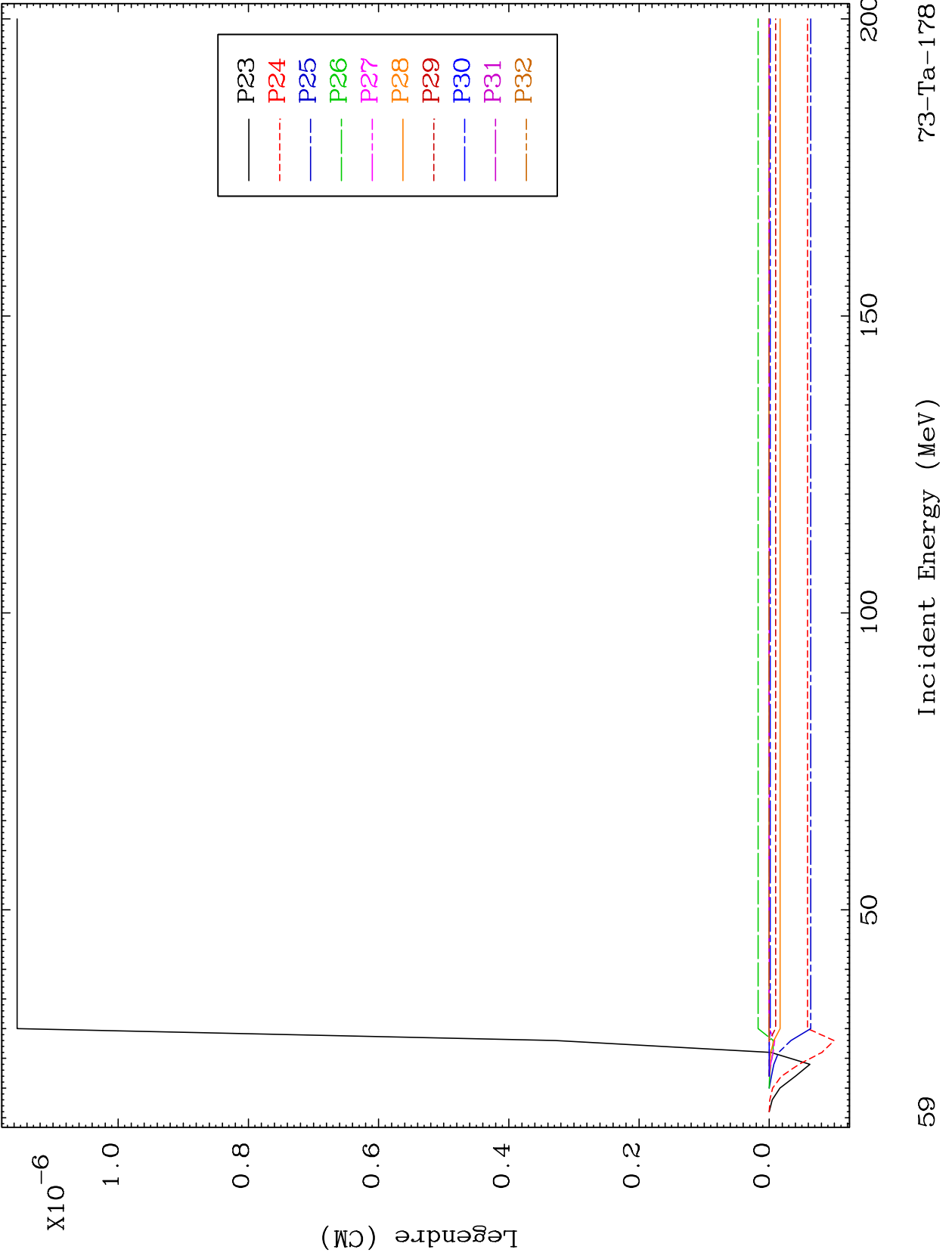
73-Ta-178



MAT 7319

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

73-Ta-178



59

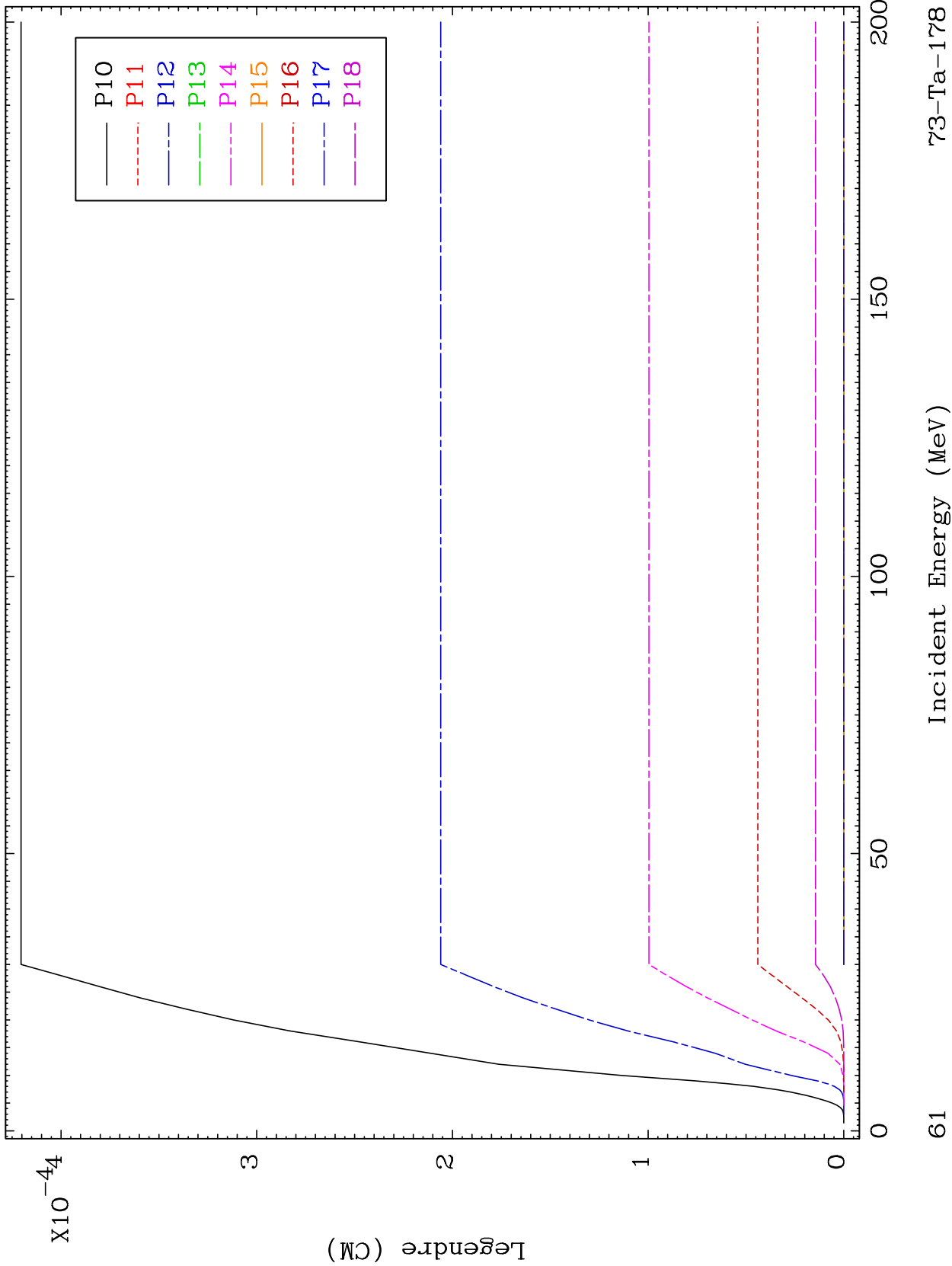
Incident Energy (MeV)

73-Ta-178

MAT 7319

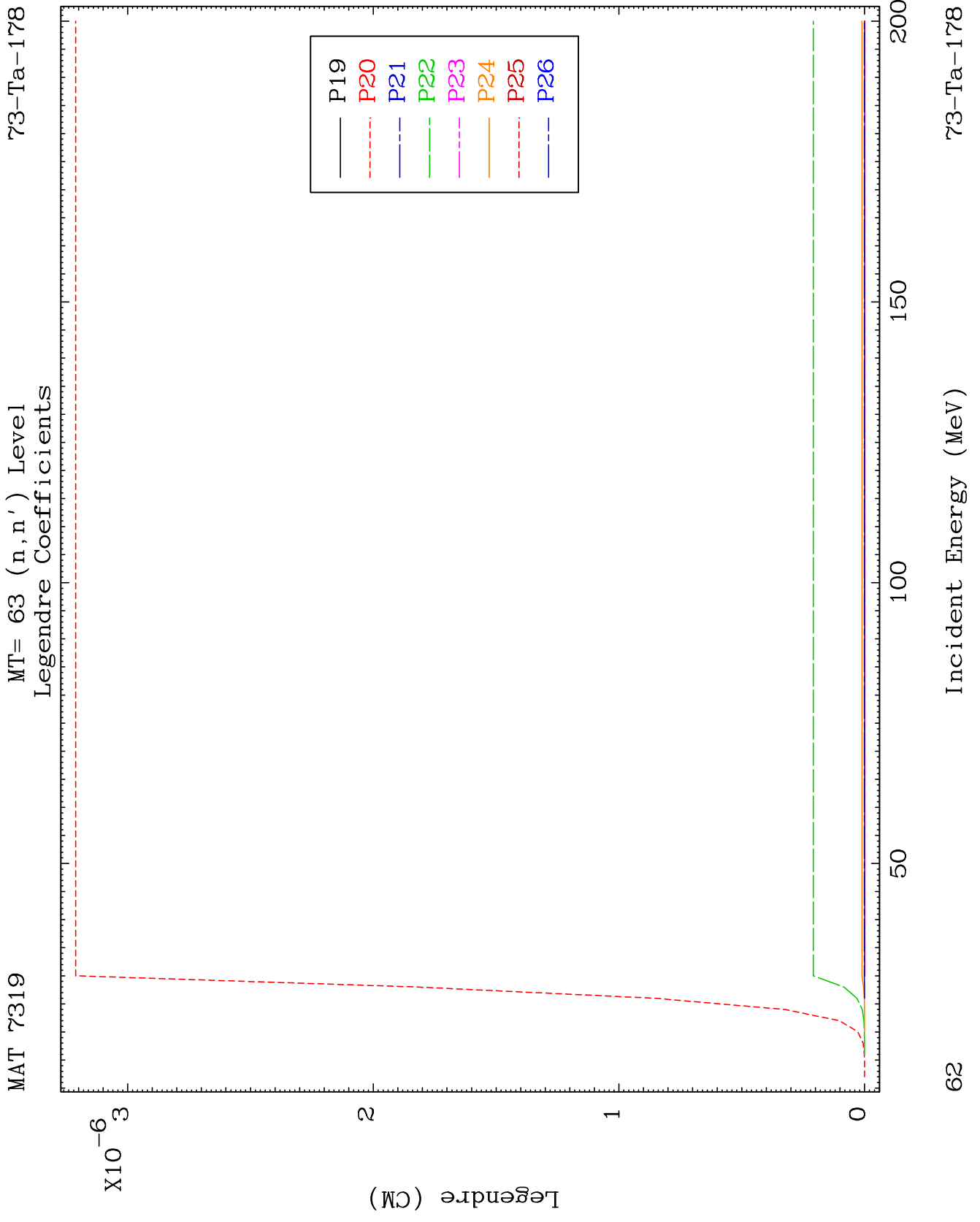
MT= 63 (n,n') Level
Legendre Coefficients

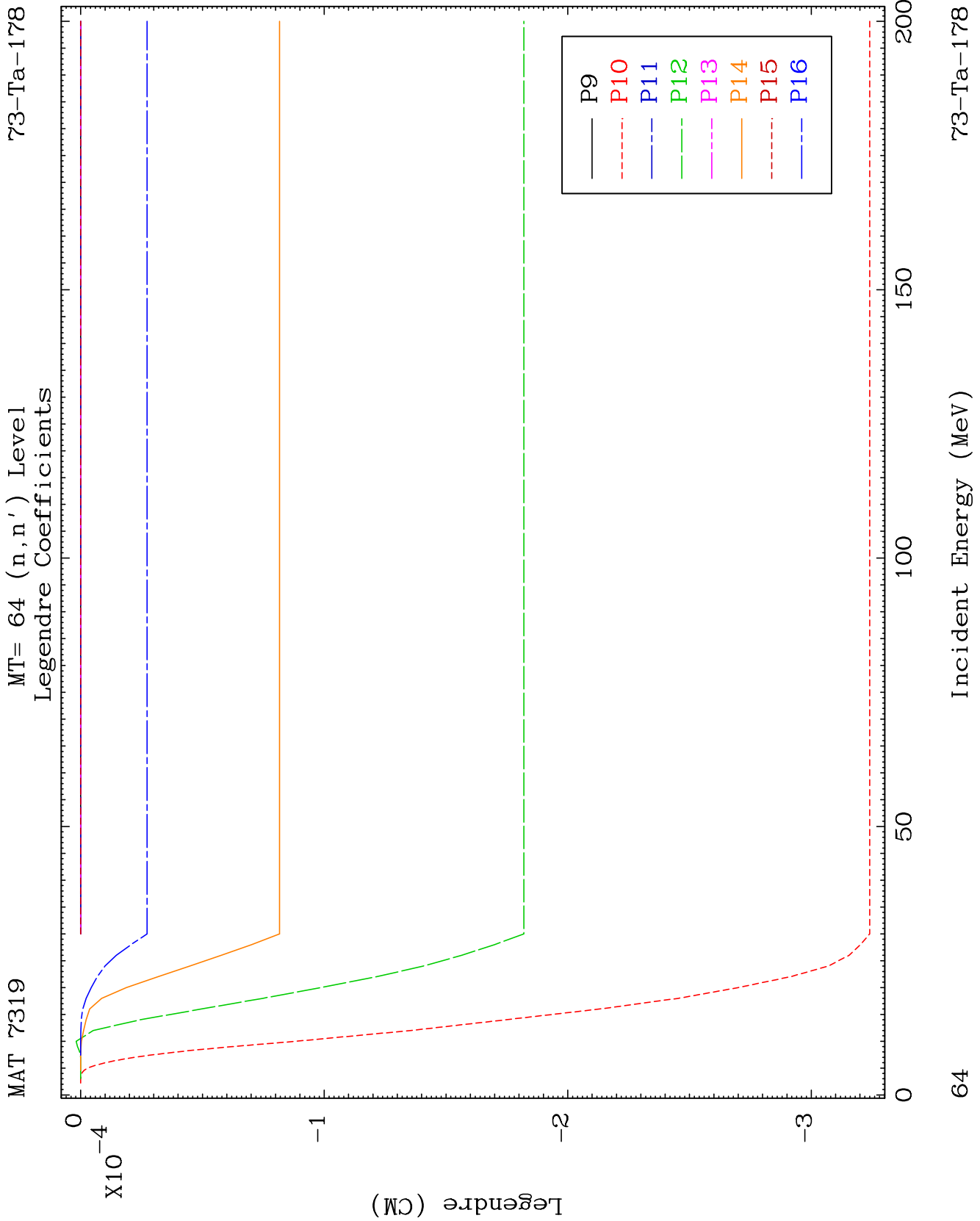
73-Ta-178

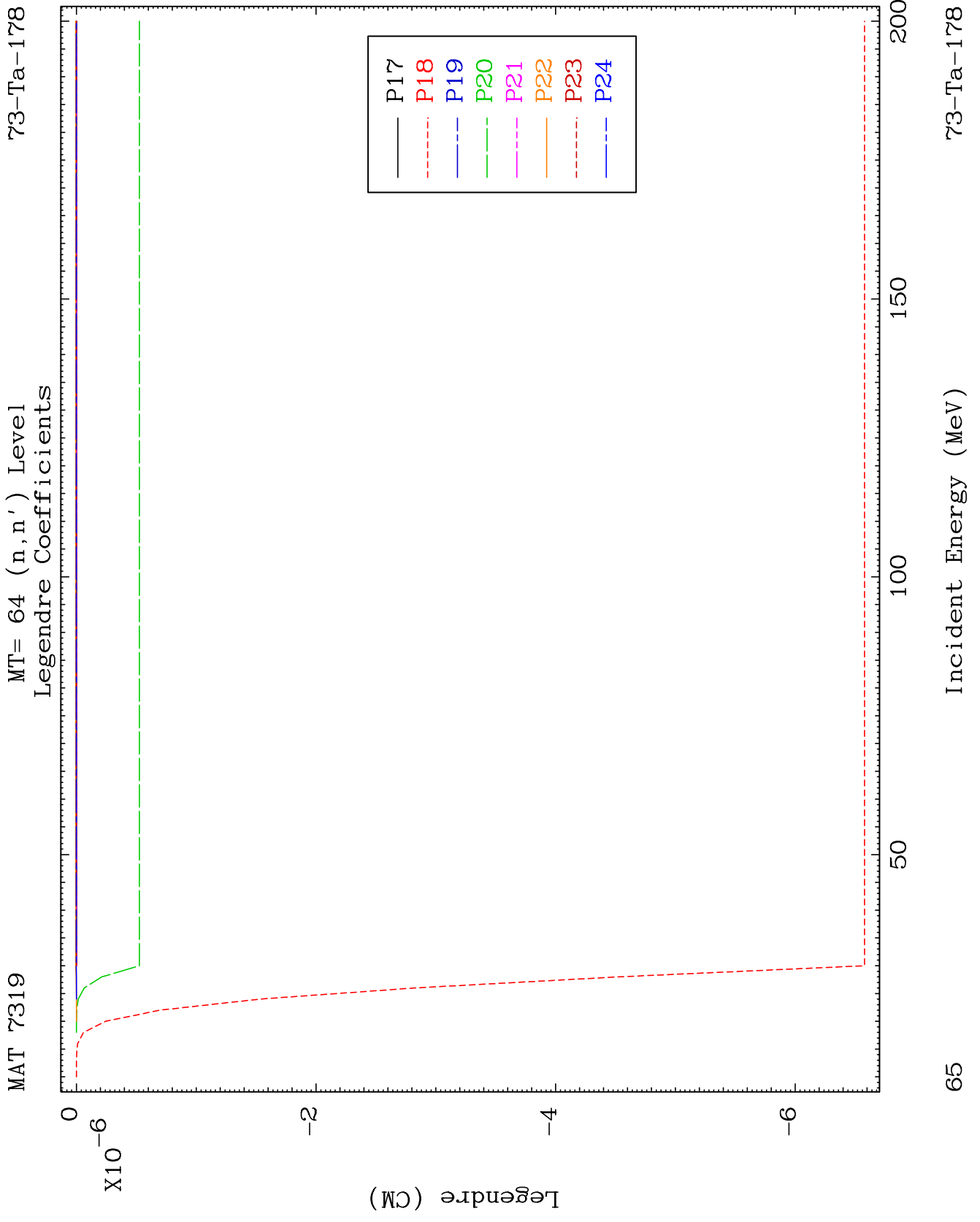


61

73-Ta-178



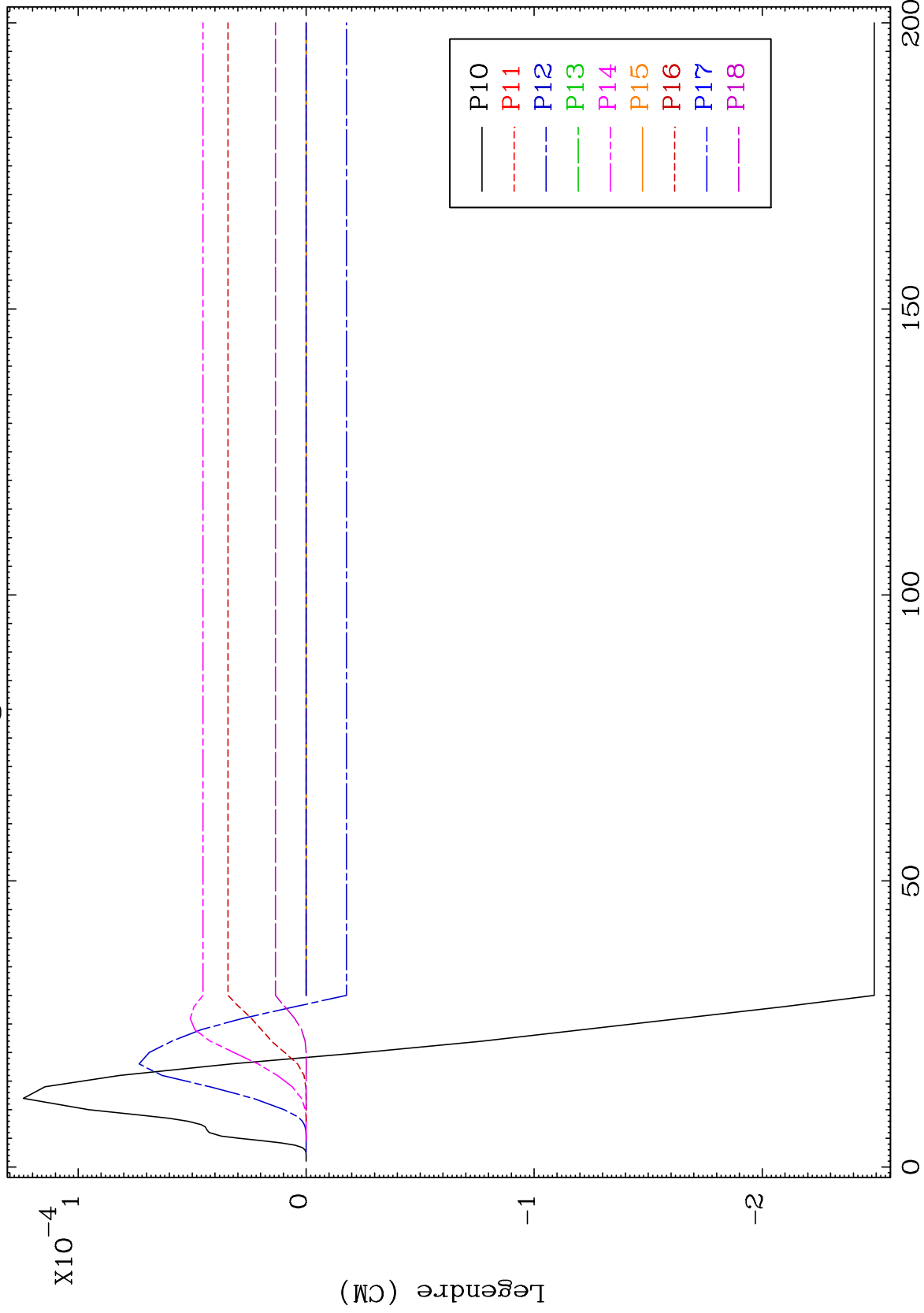




MAT 7319

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

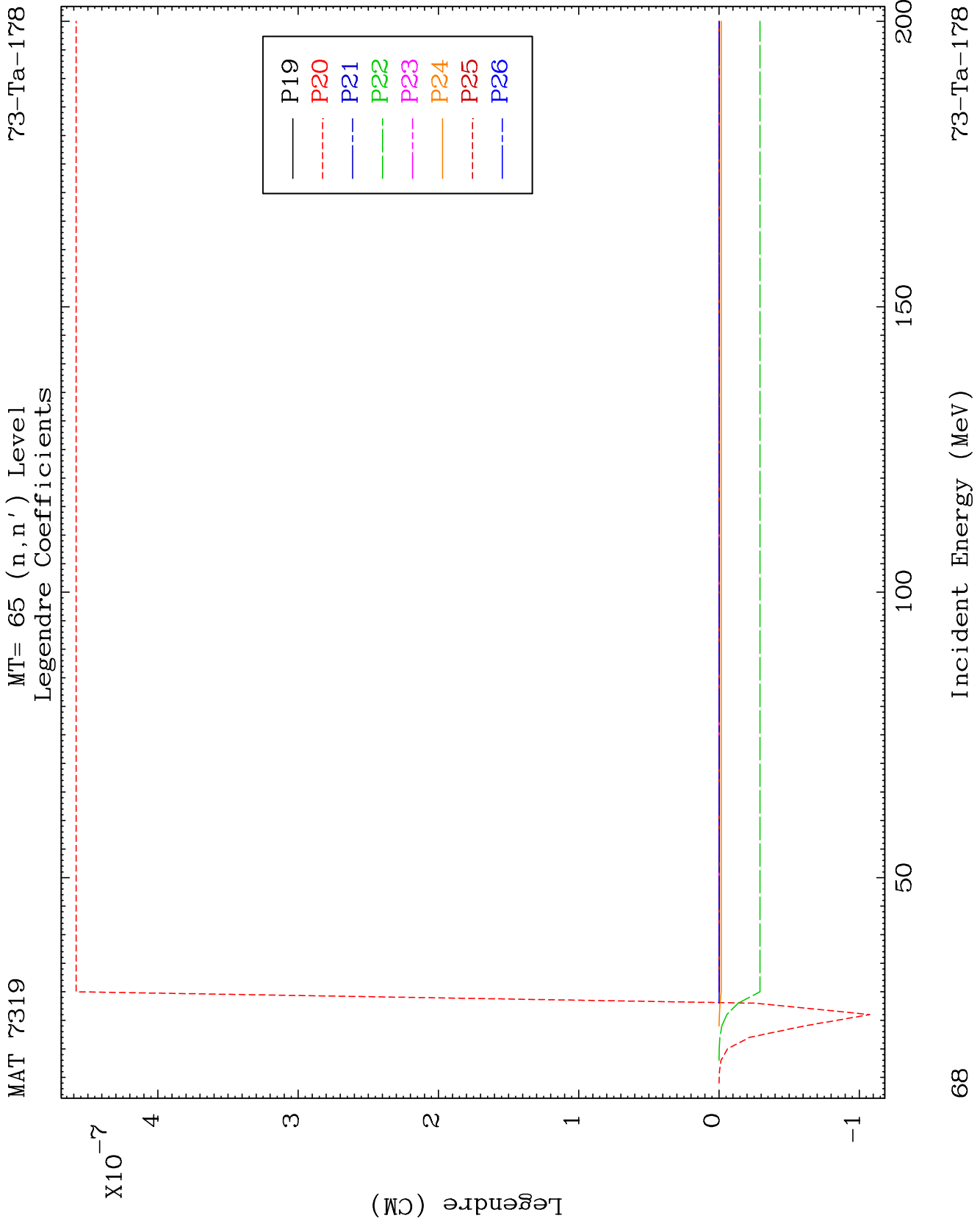
73-Ta-178

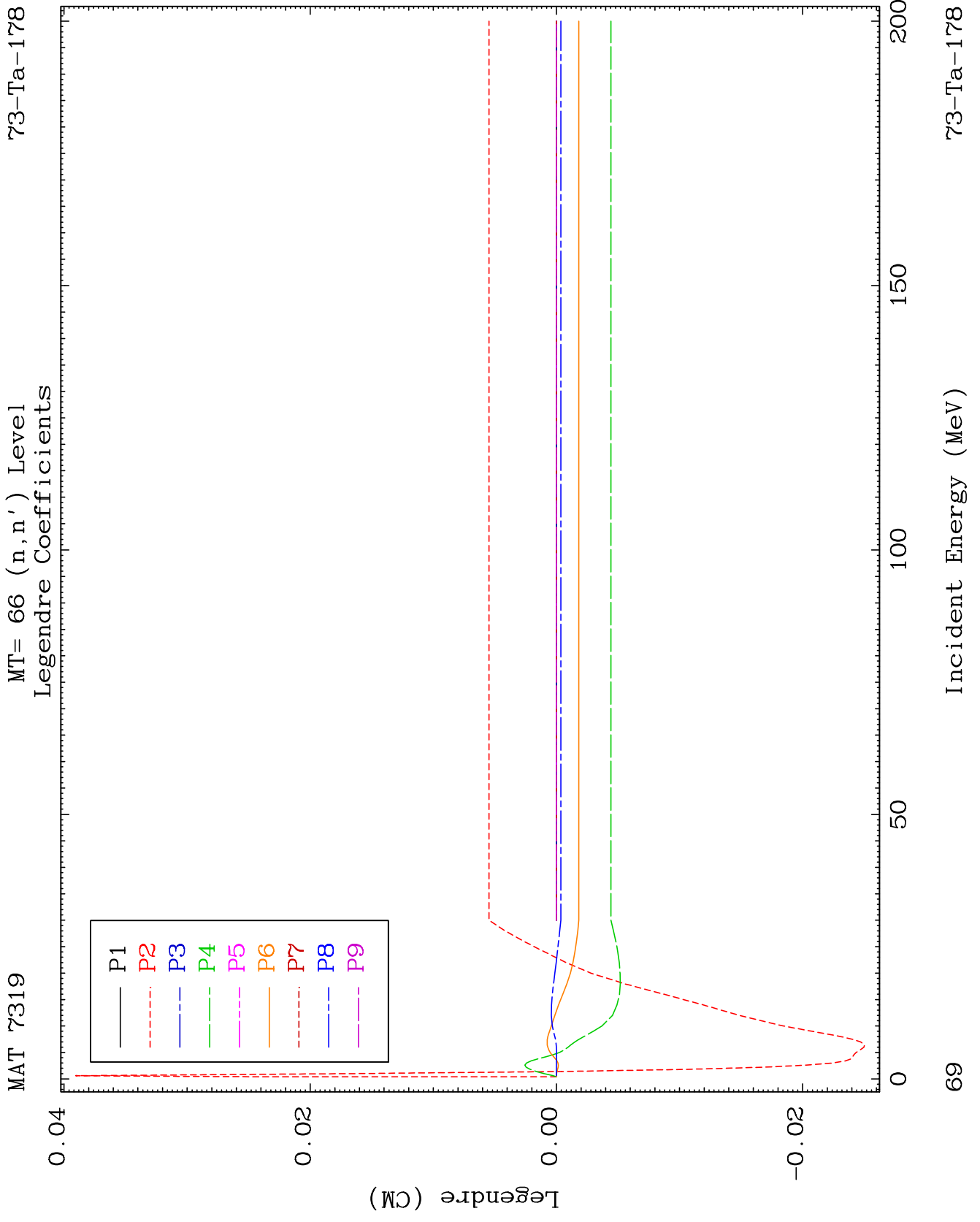


67

Incident Energy (MeV)

73-Ta-178

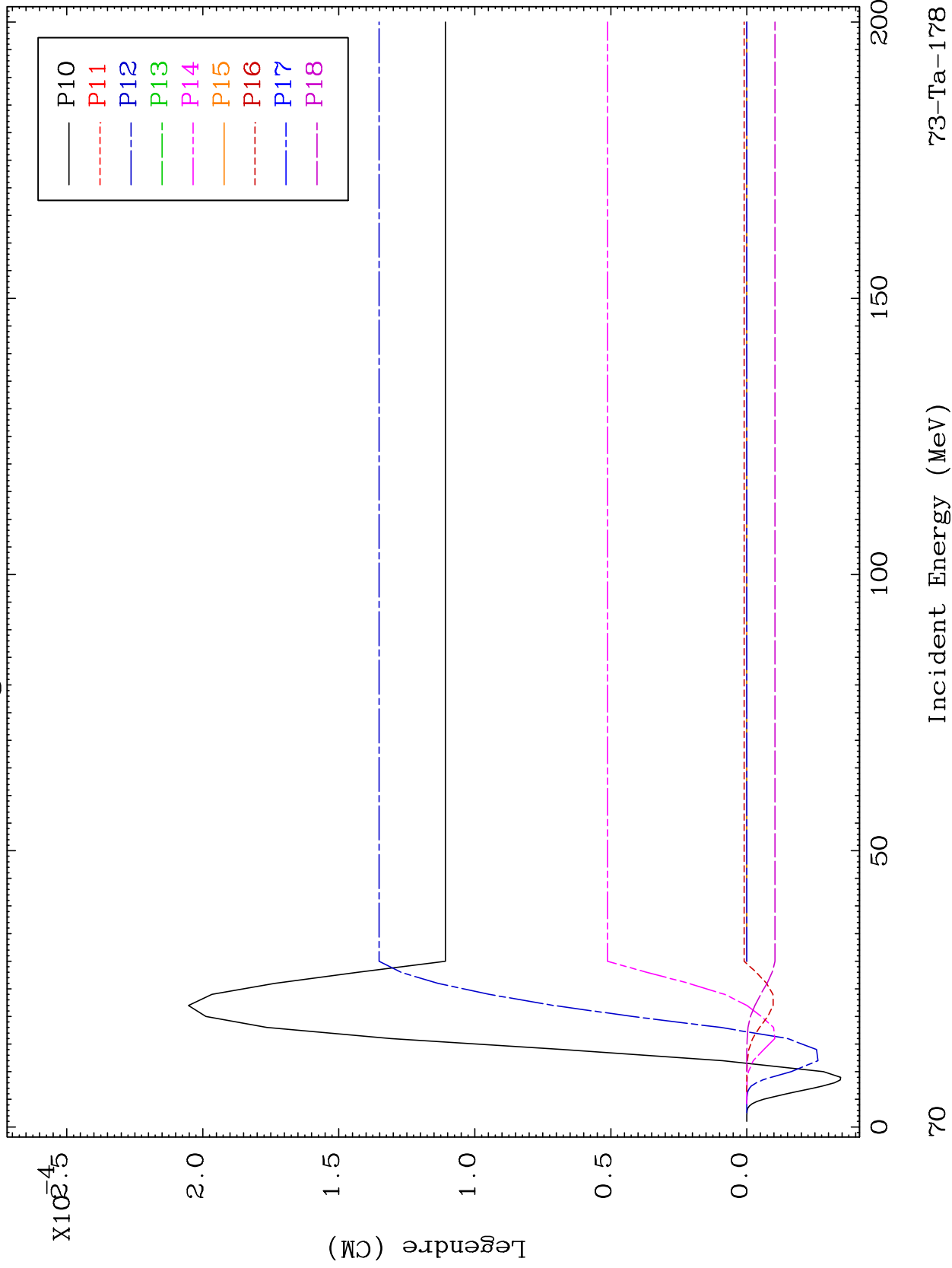


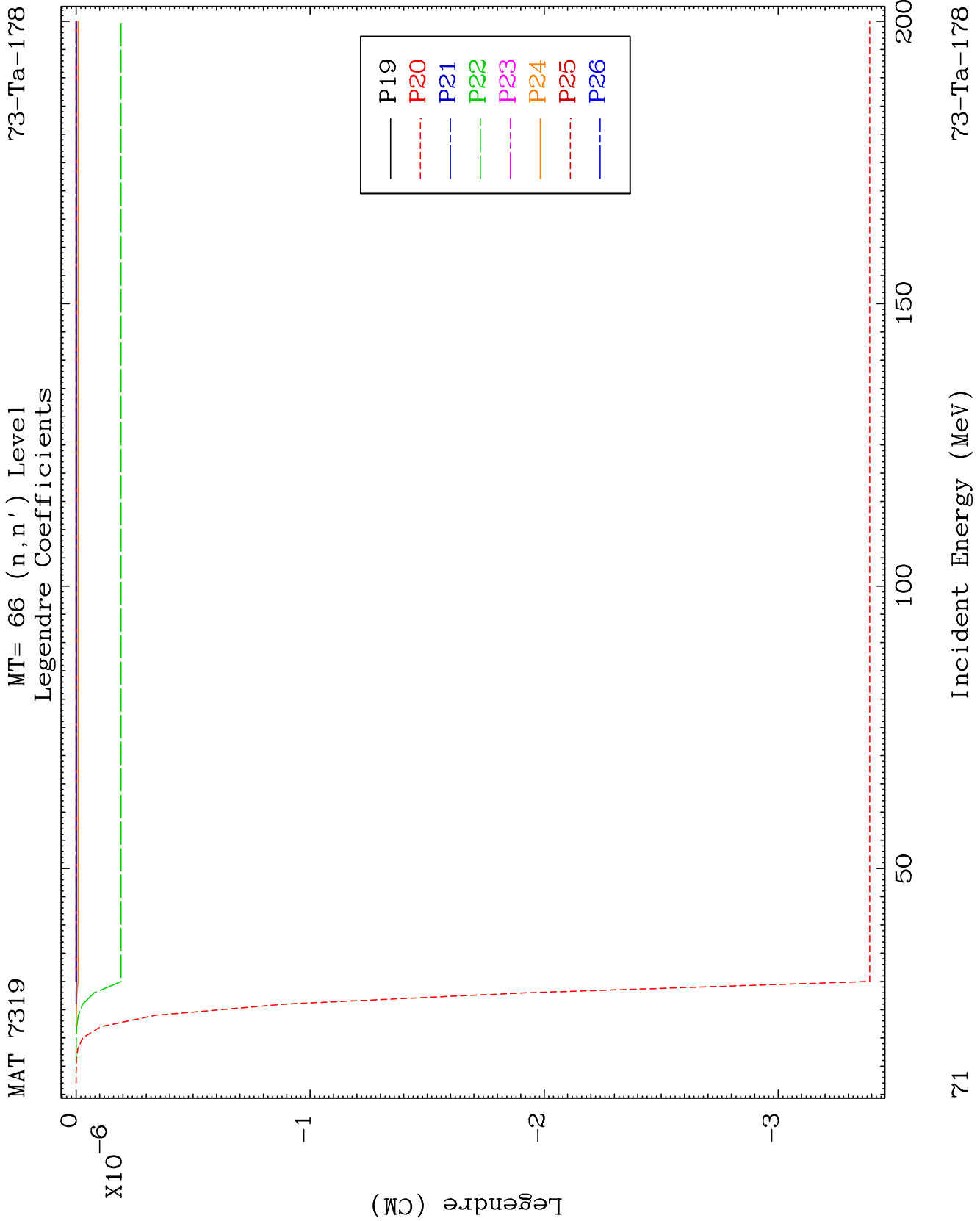


MAT 7319

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

73-Ta-178

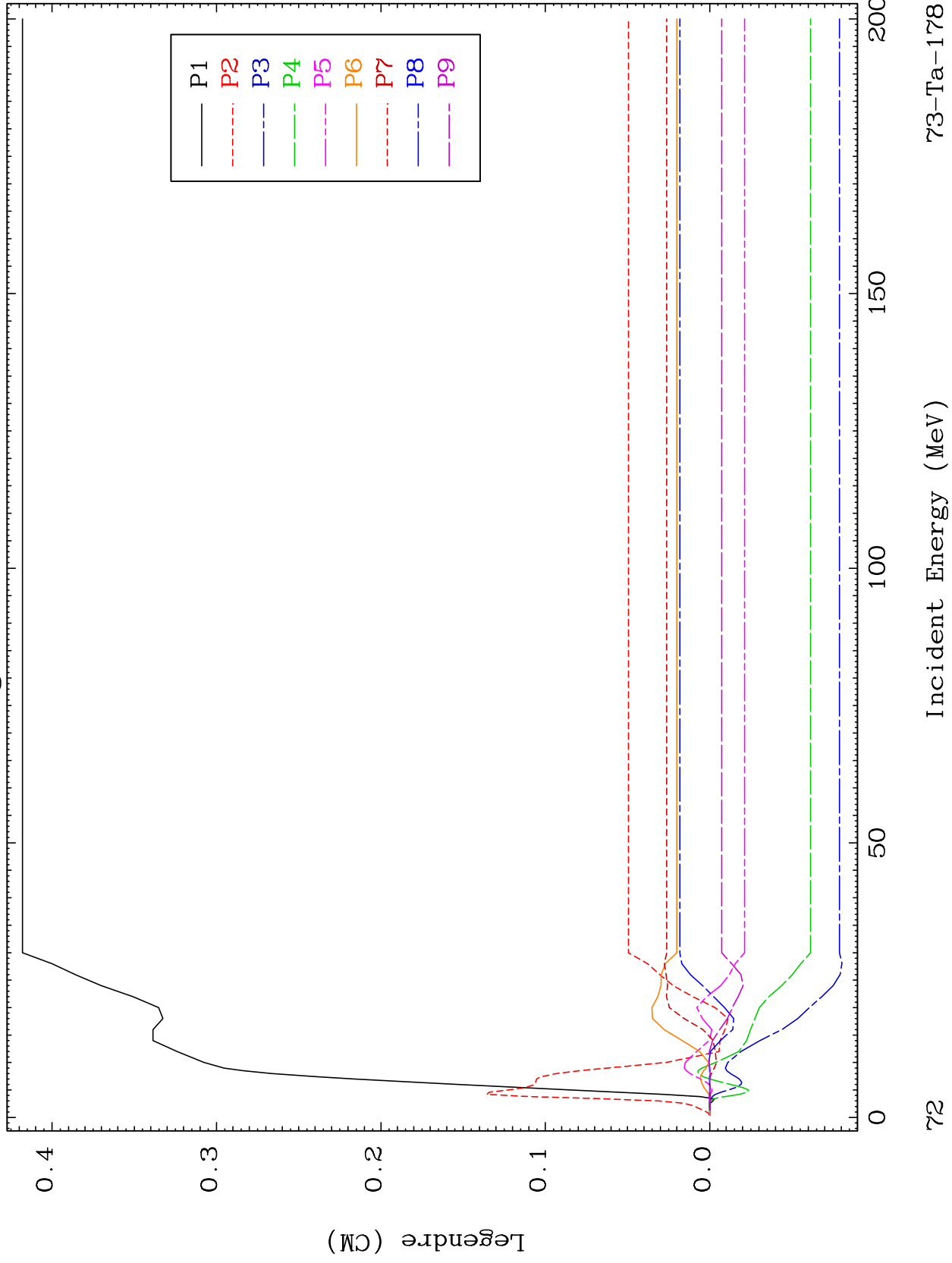




MAT 7319

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

73-Ta-178



73-Ta-178

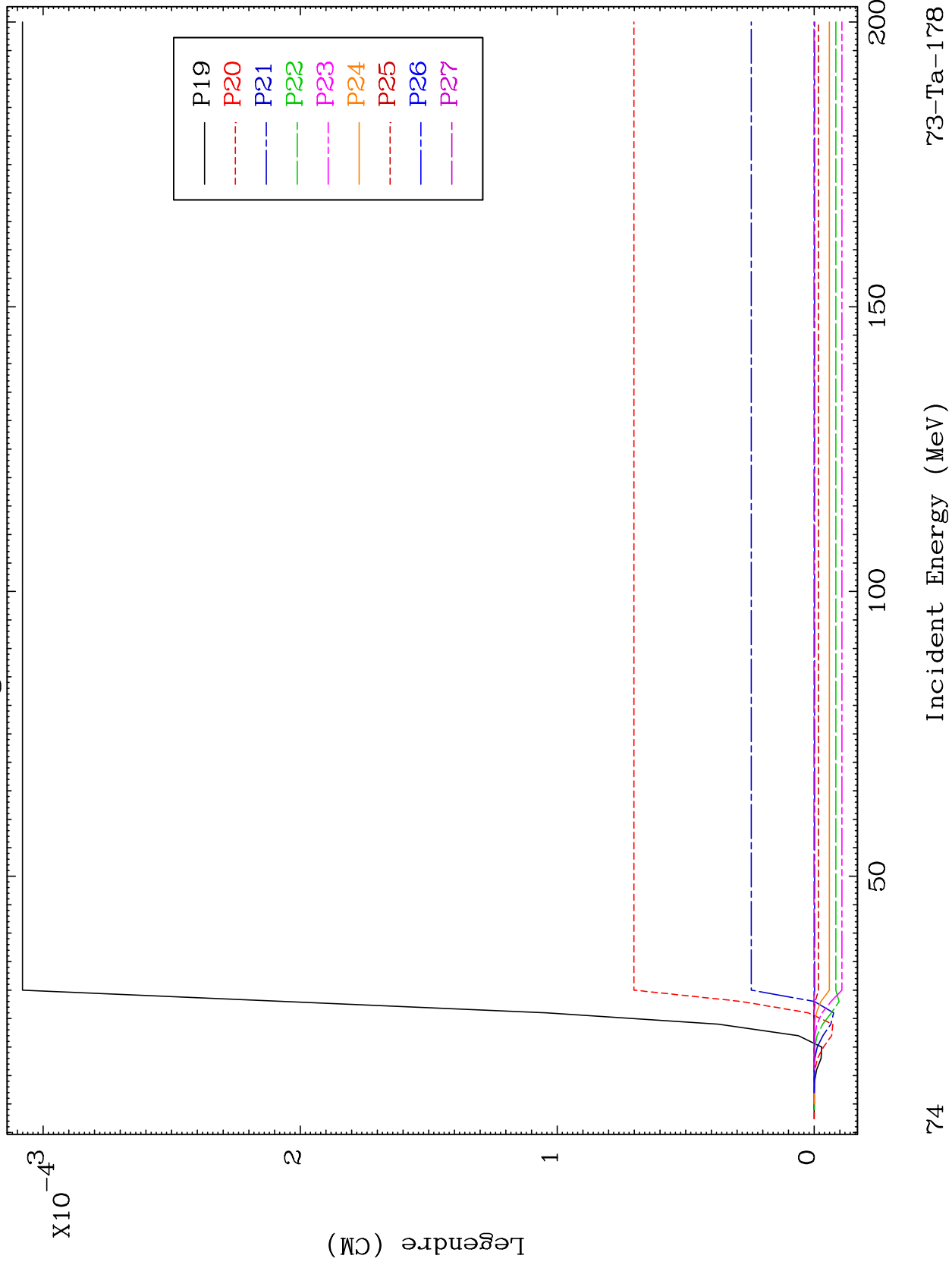
Incident Energy (MeV)

72

MAT 7319

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

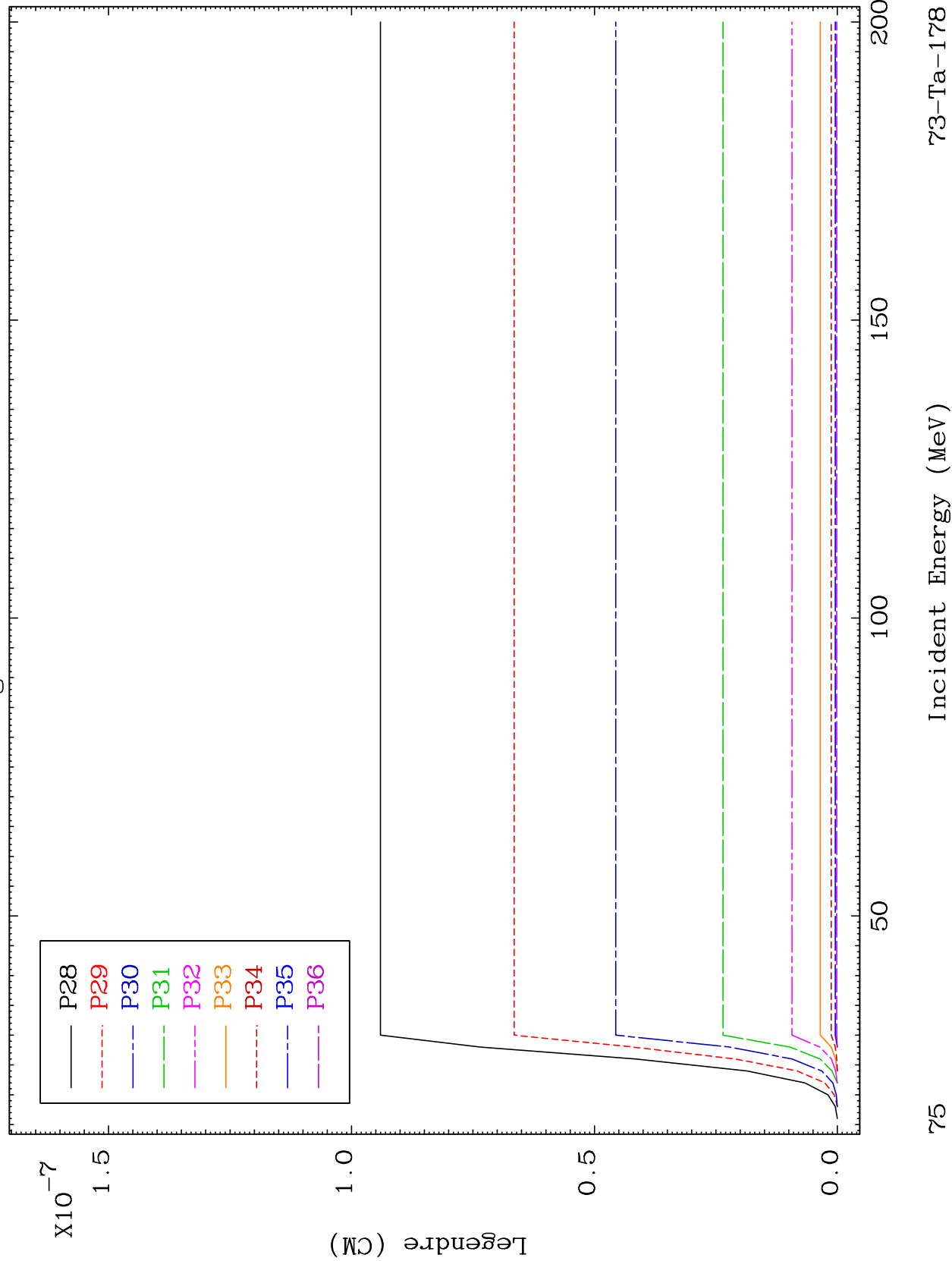
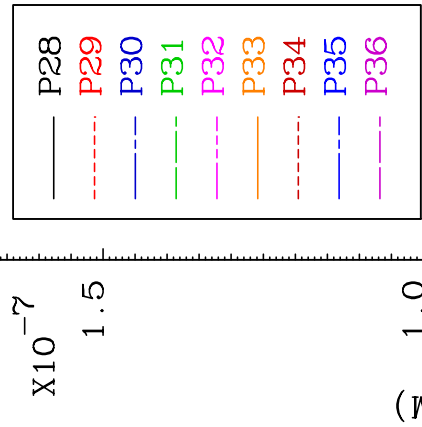
73-Ta-178



MAT 7319

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

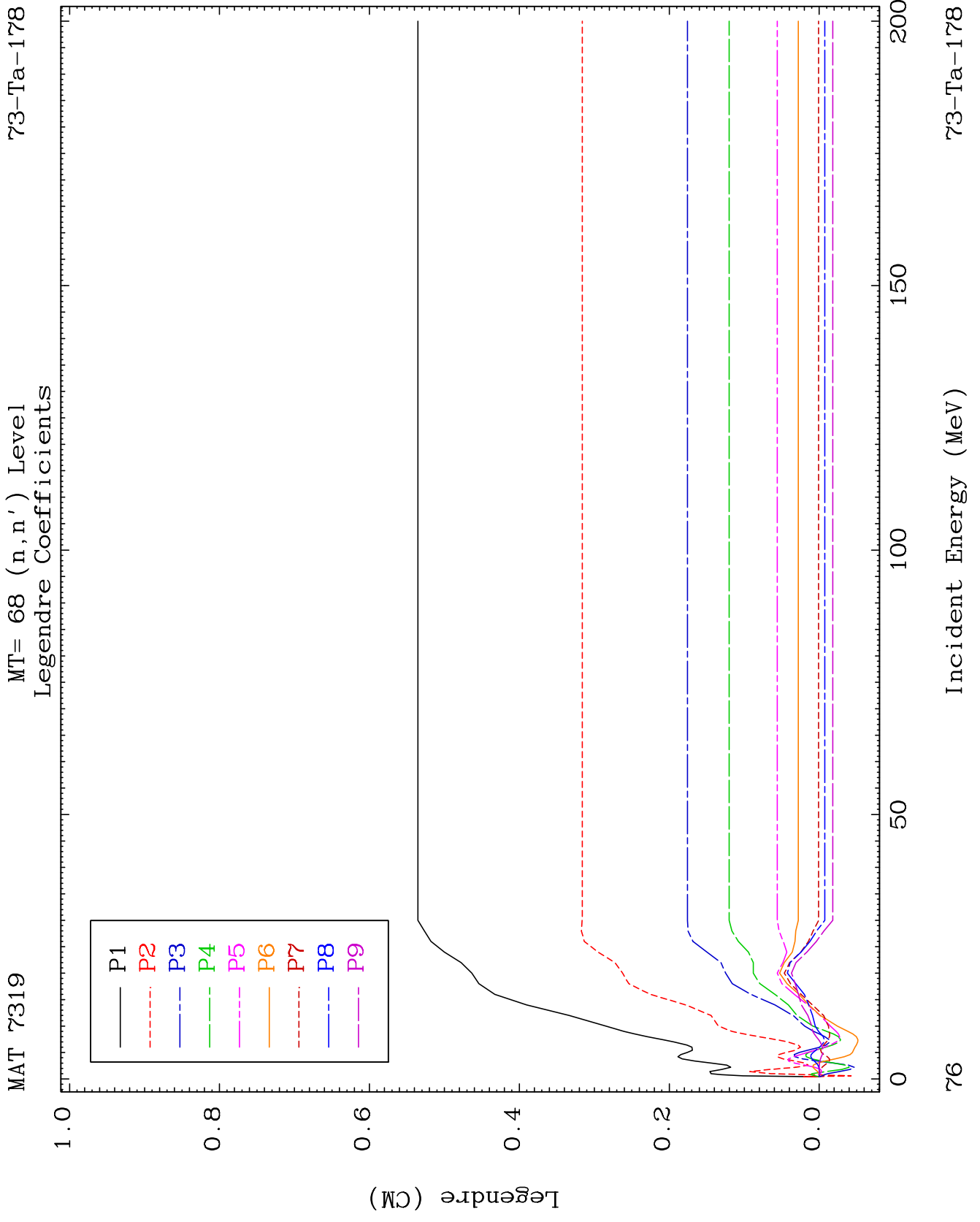
73-Ta-178

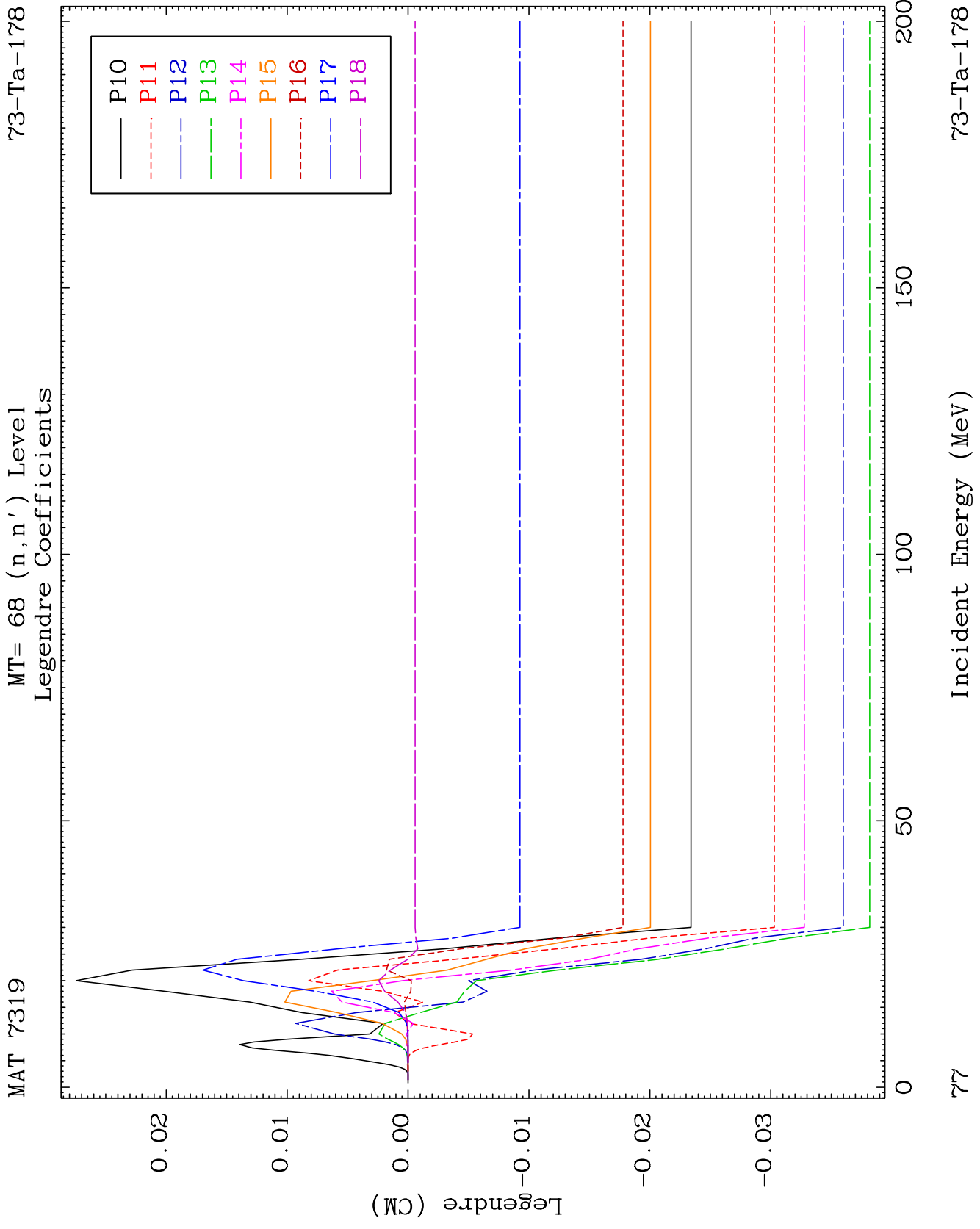


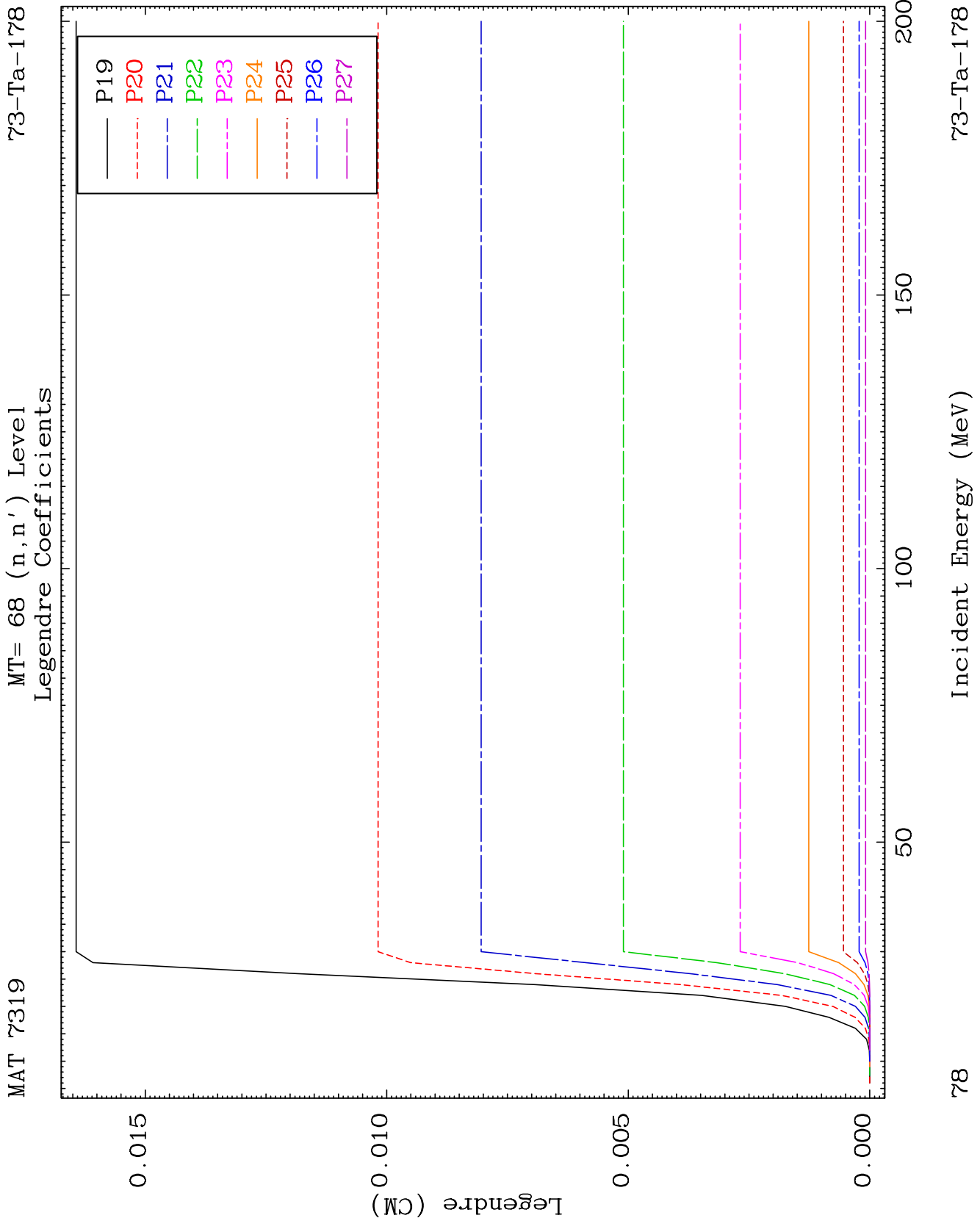
75

Incident Energy (MeV)

73-Ta-178



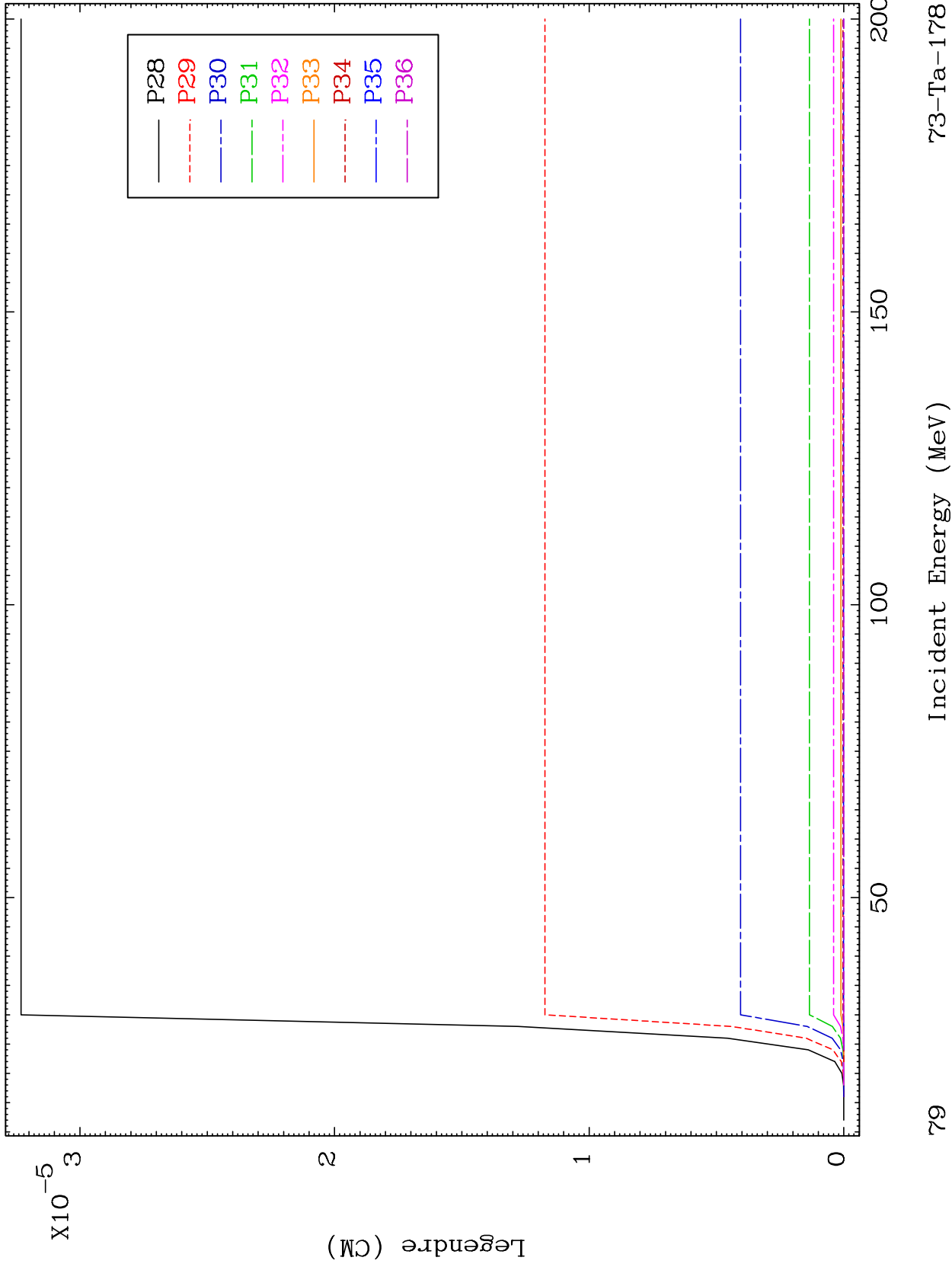




MAT 7319

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

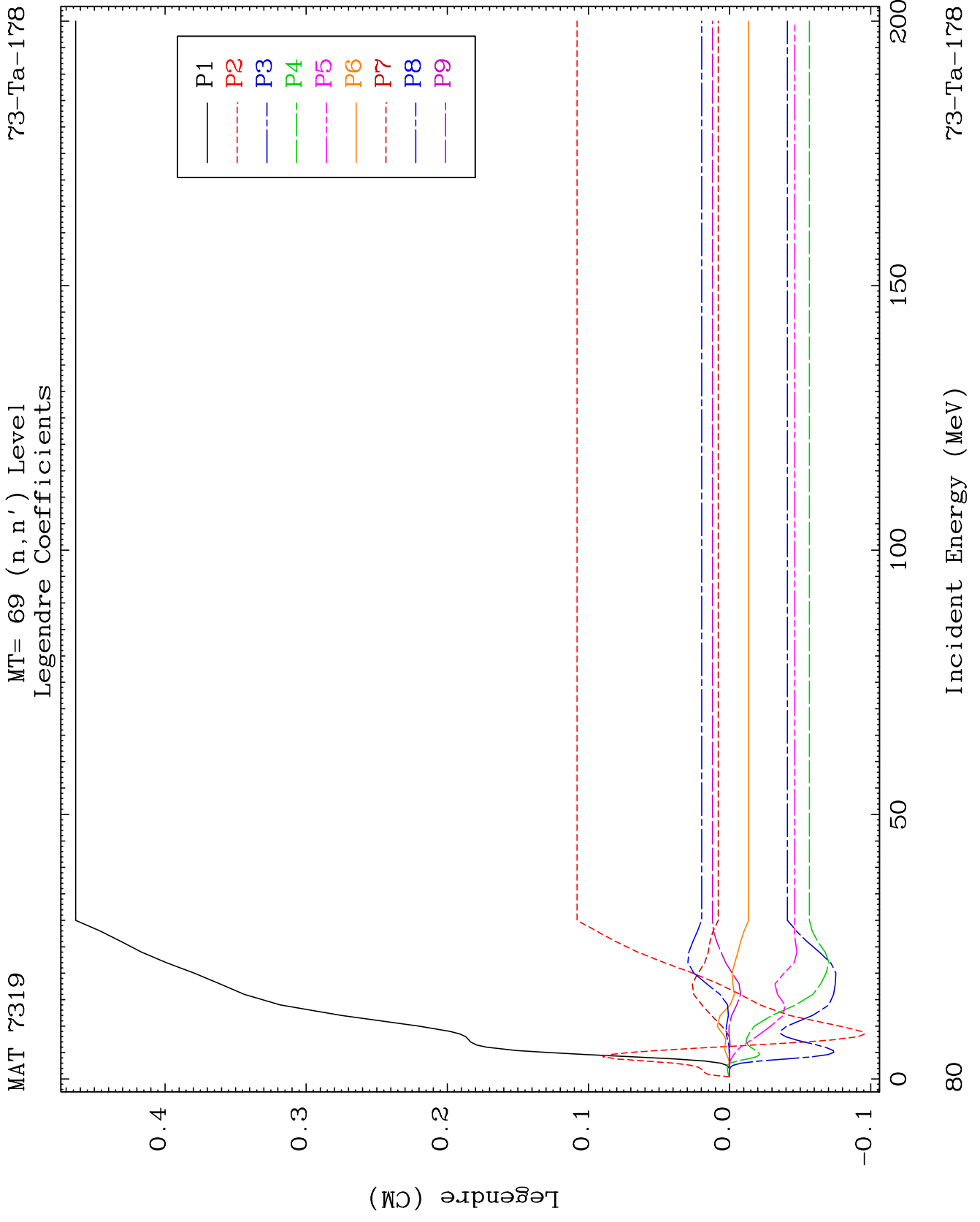
73-Ta-178



79

Incident Energy (MeV)

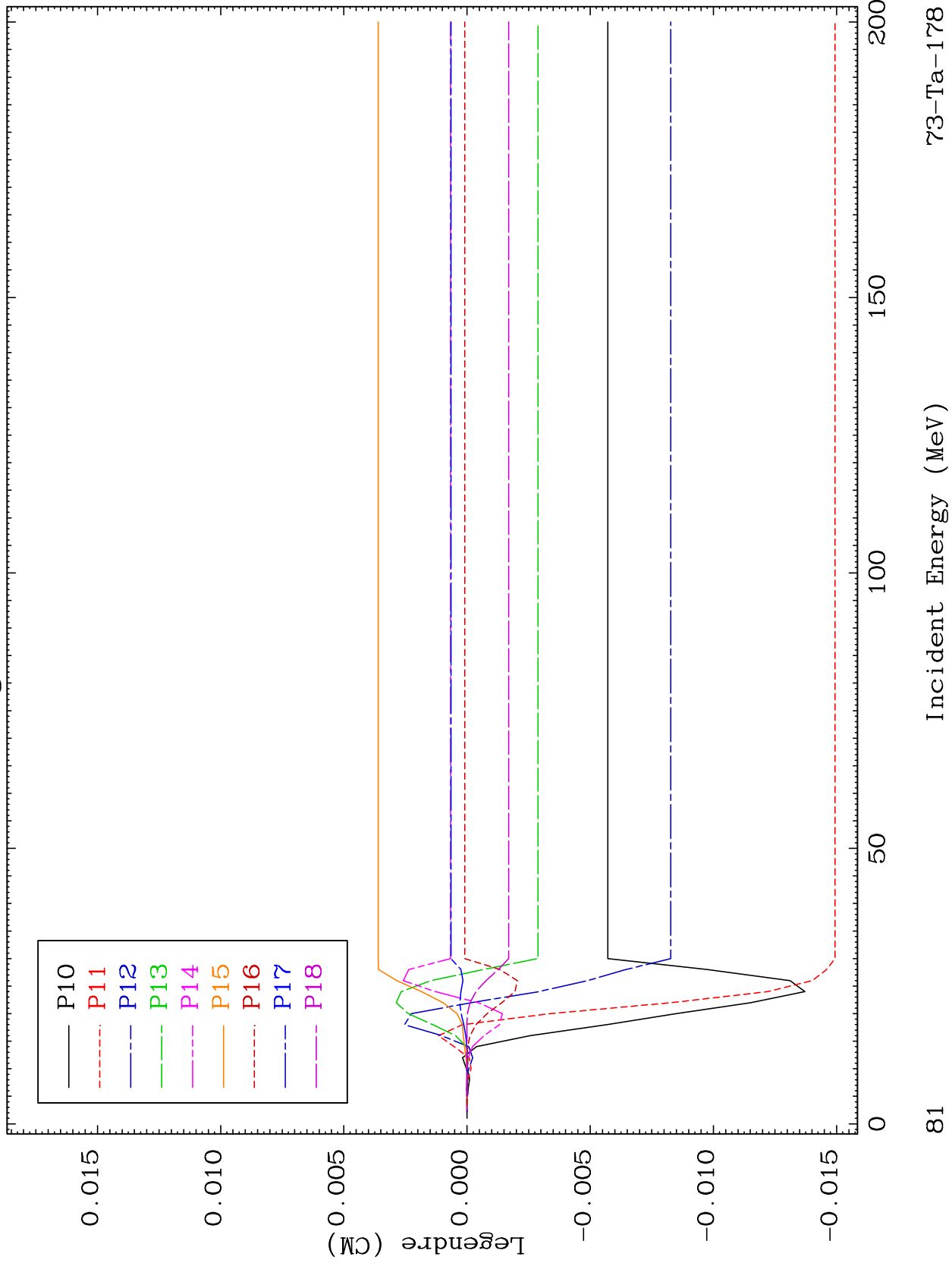
73-Ta-178



MAT 7319

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

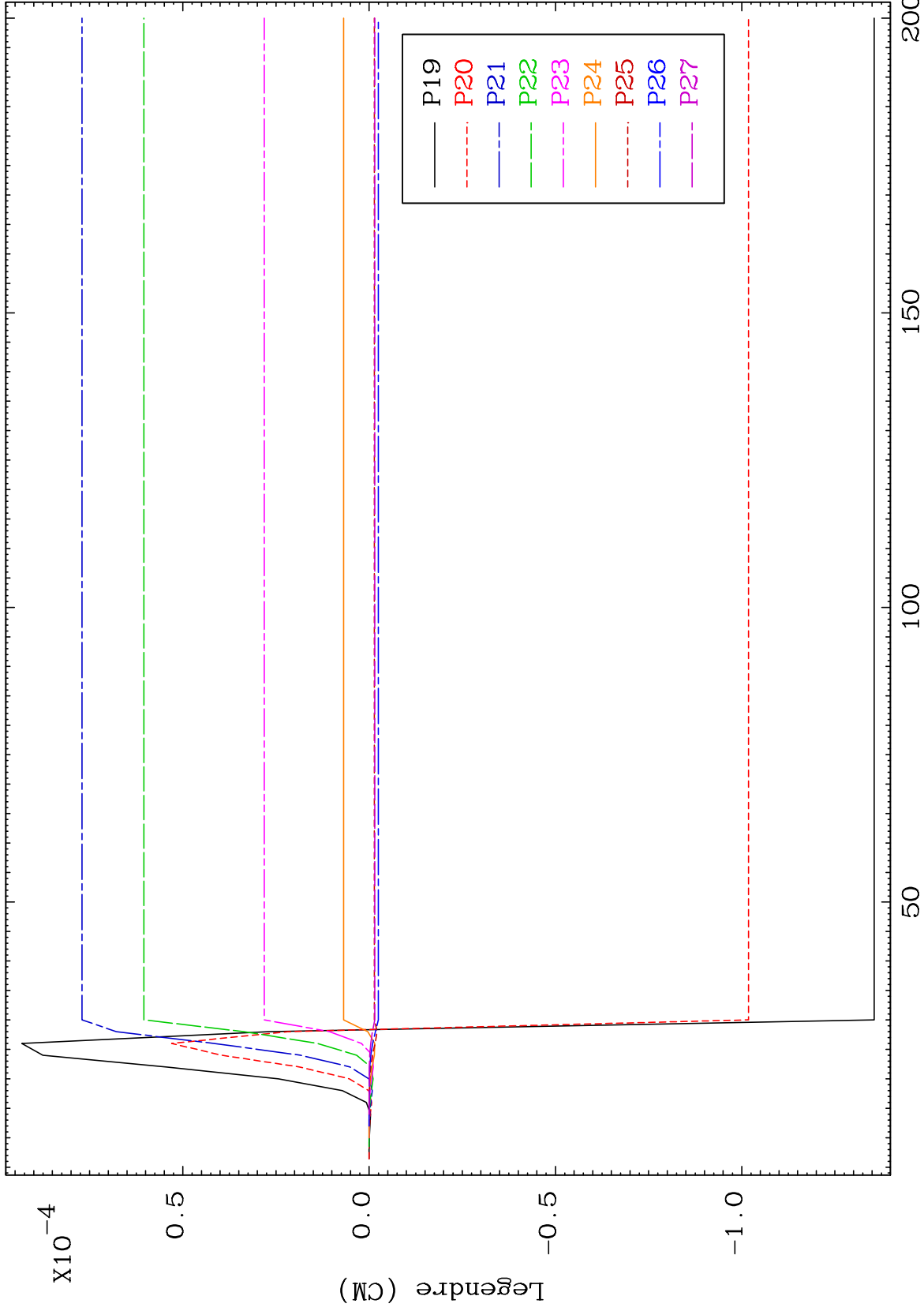
73-Ta-178

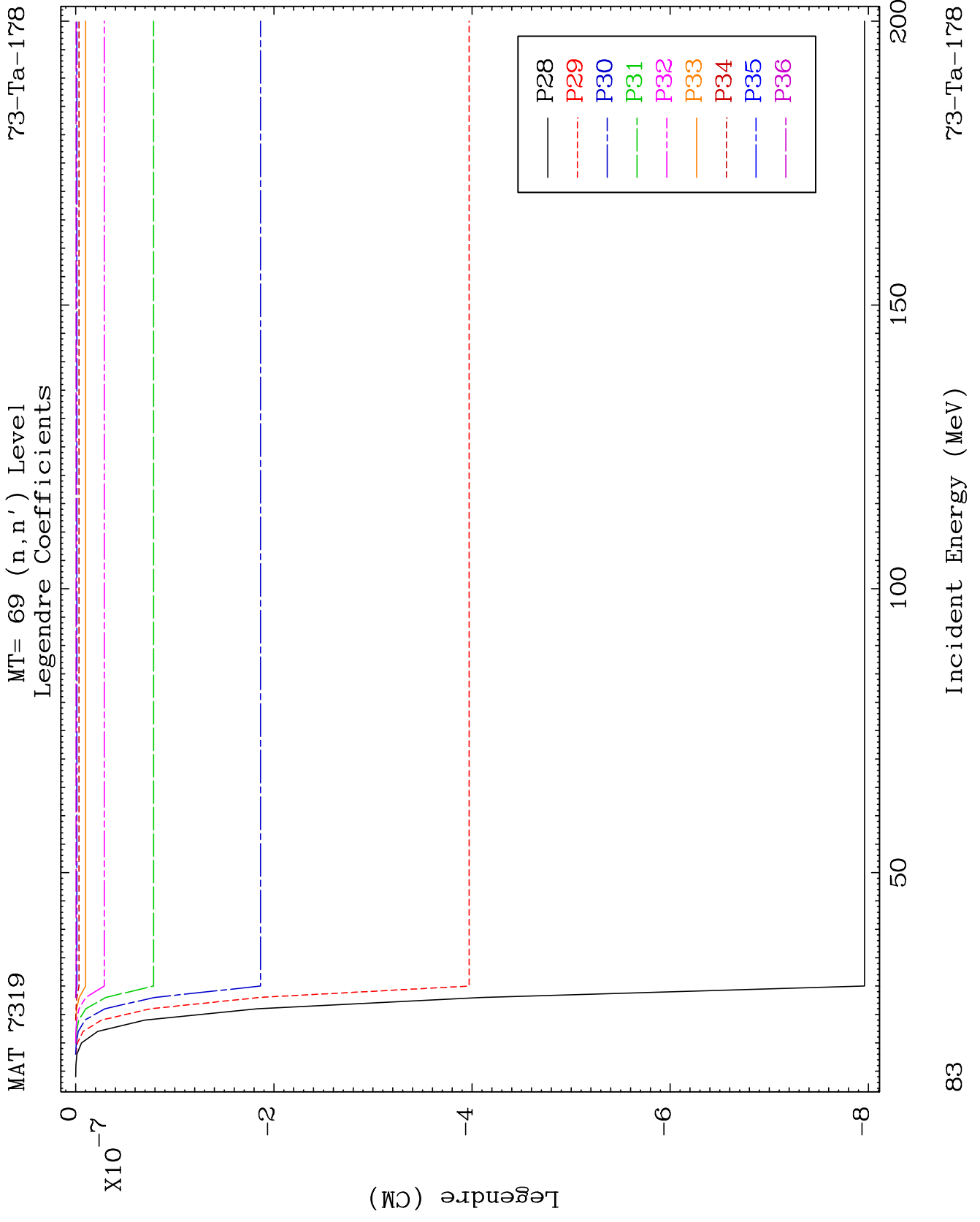


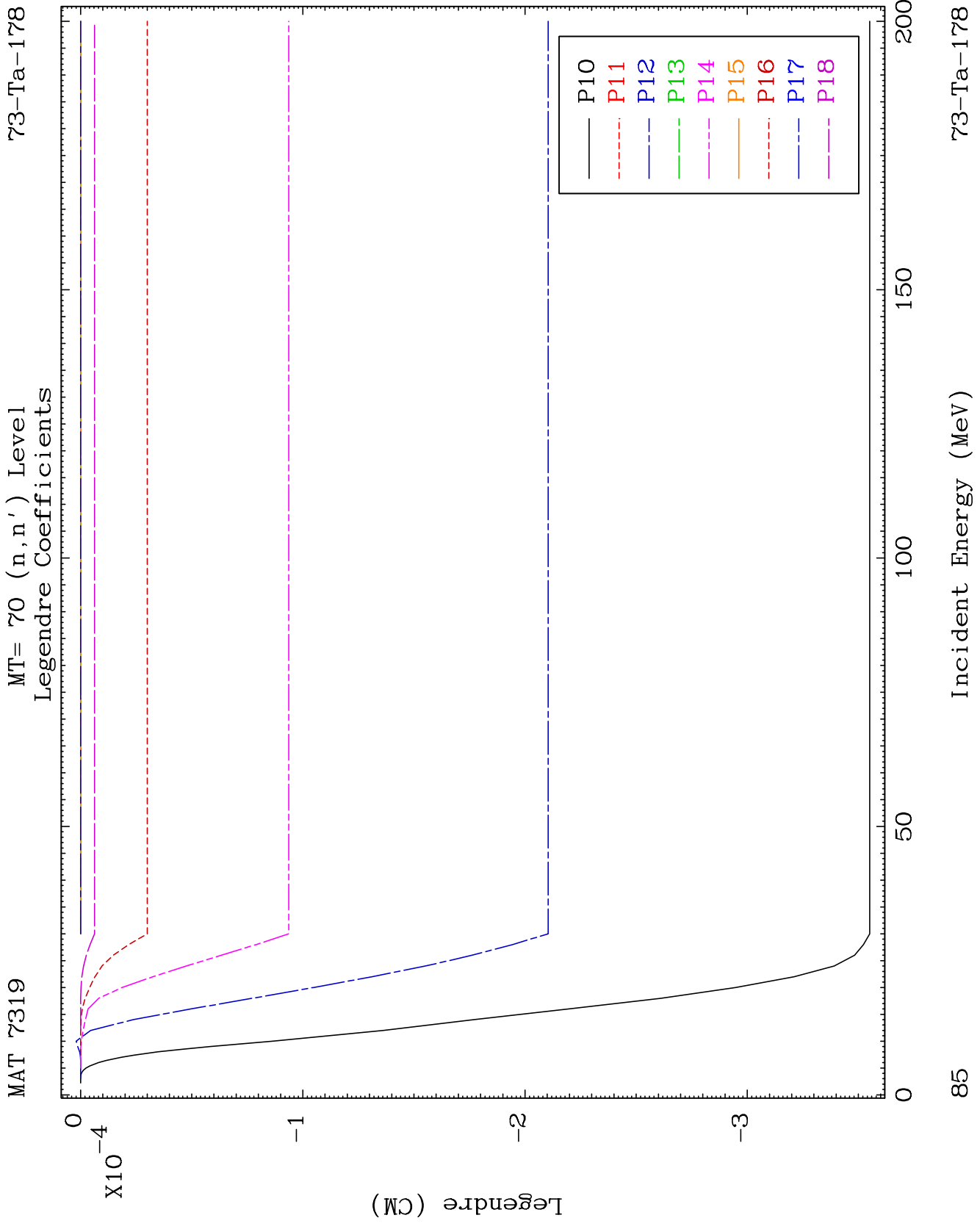
81

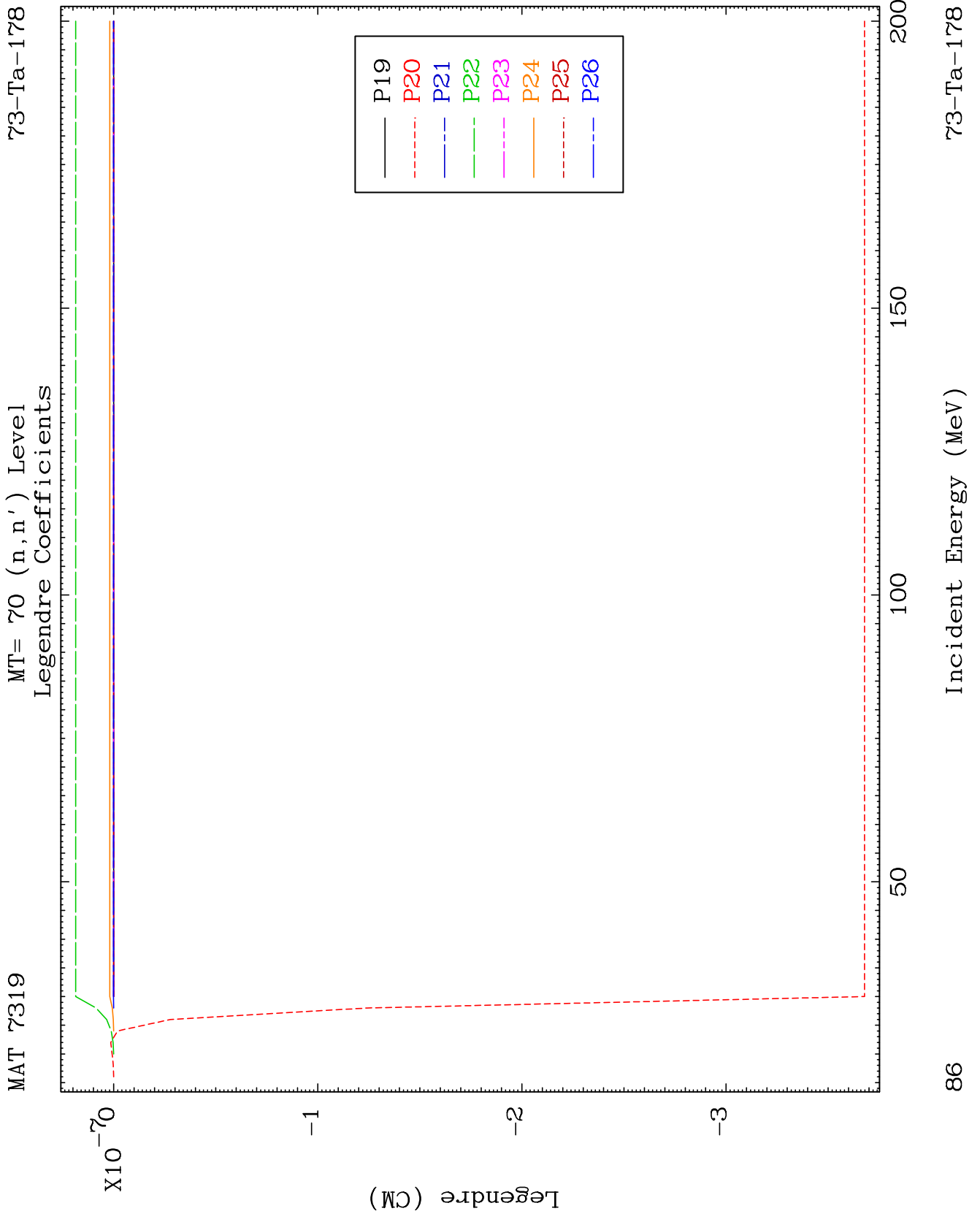
Incident Energy (MeV)

73-Ta-178





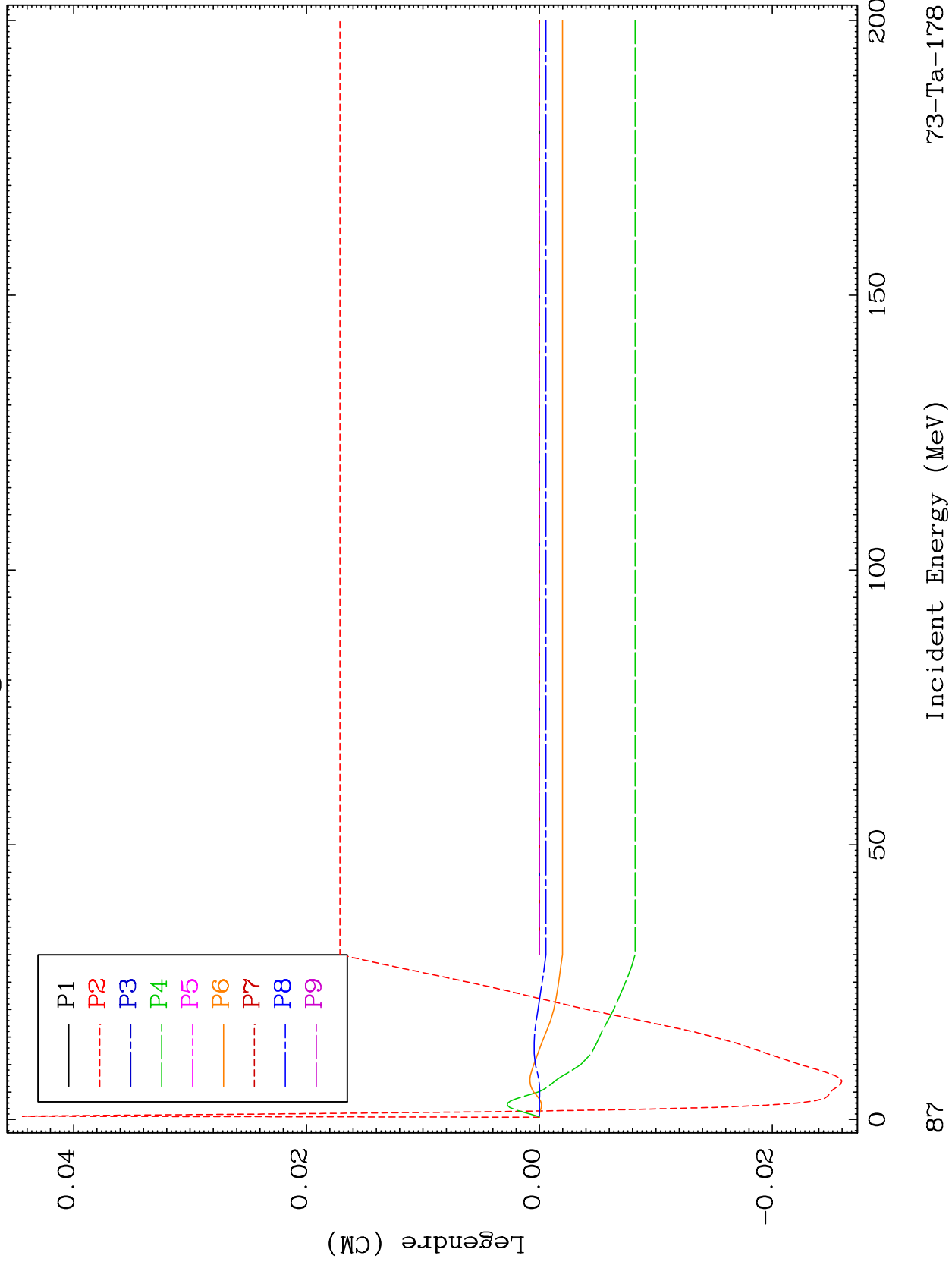




MAT 7319

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

73-Ta-178



87

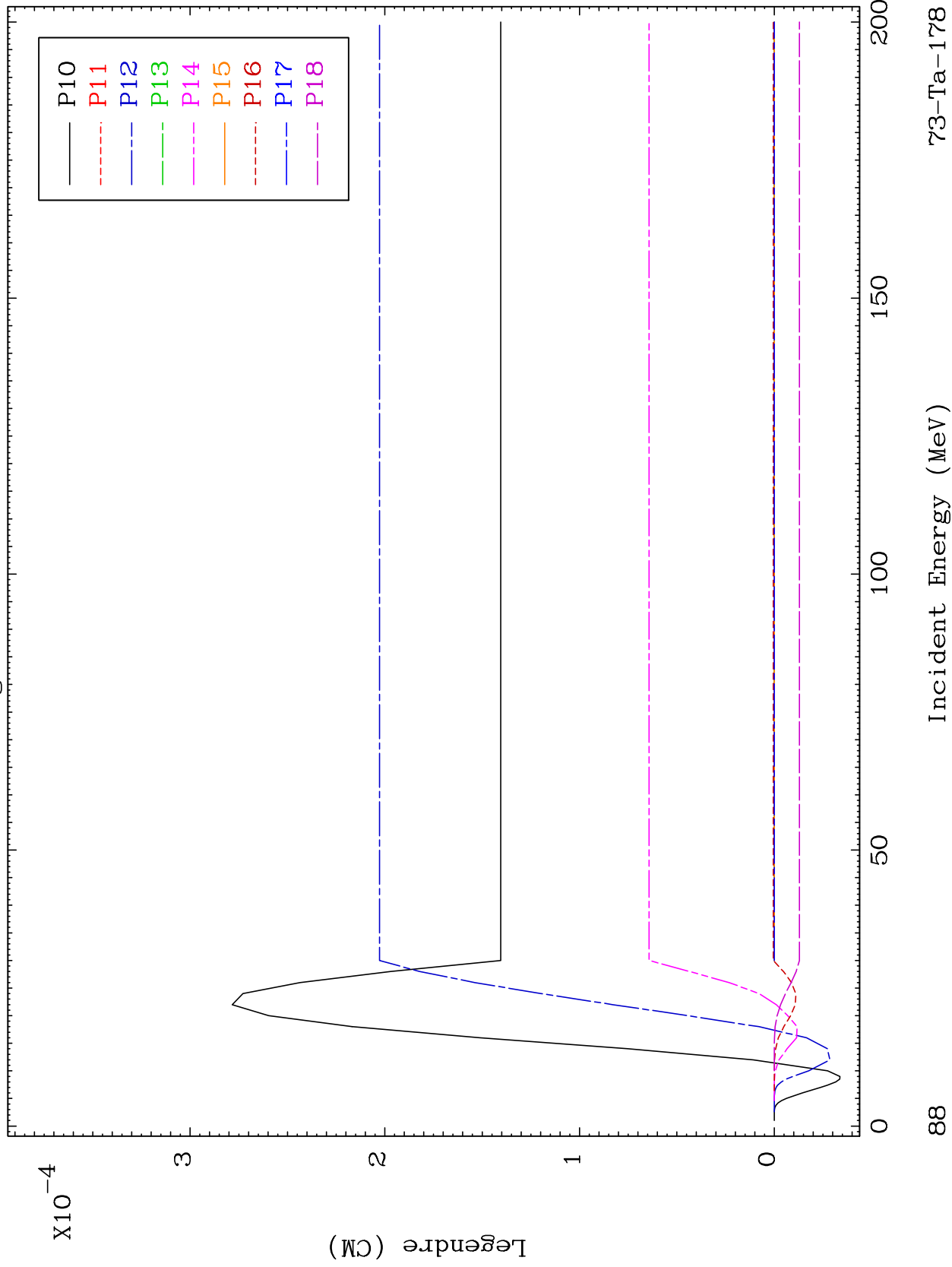
Incident Energy (MeV)

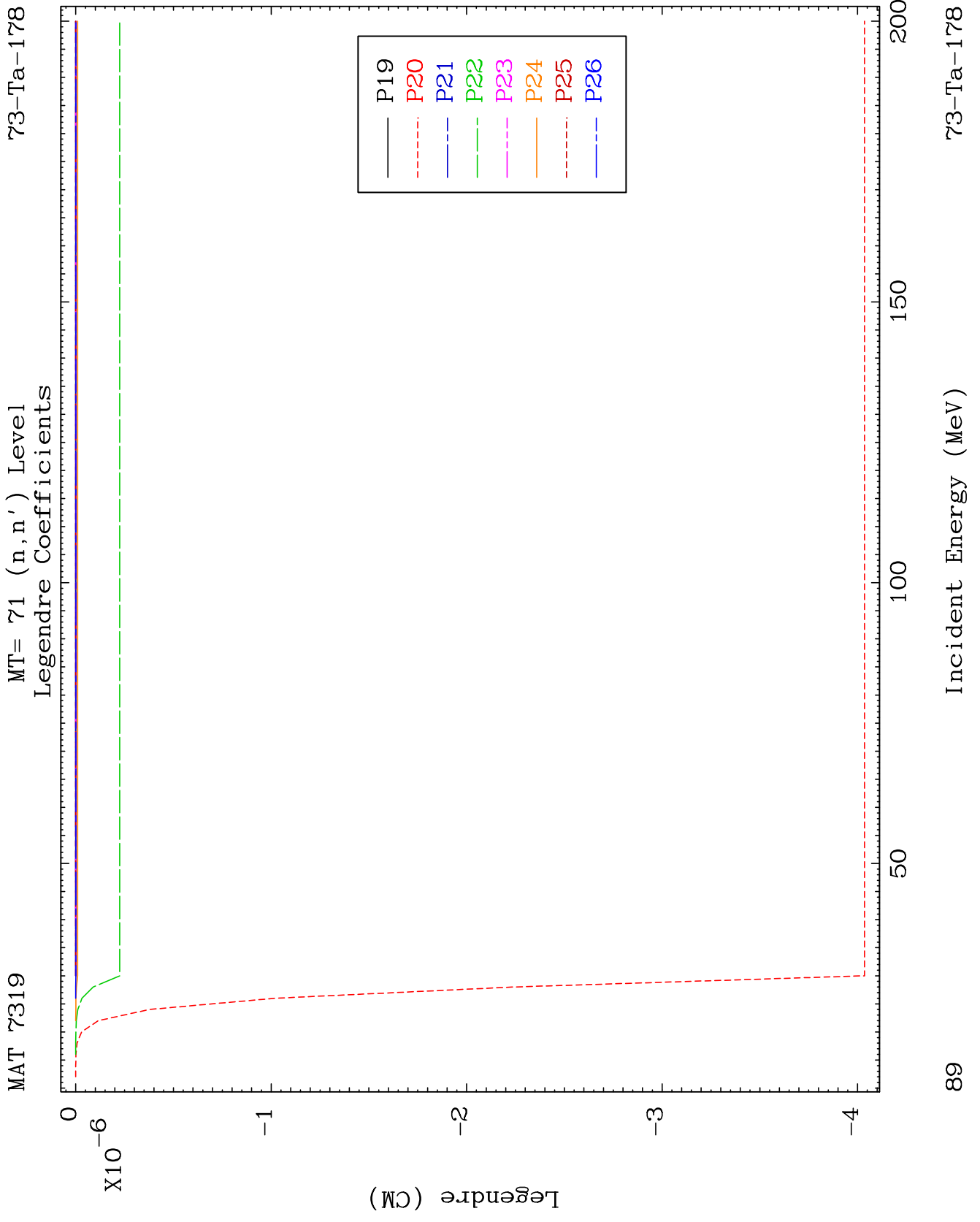
73-Ta-178

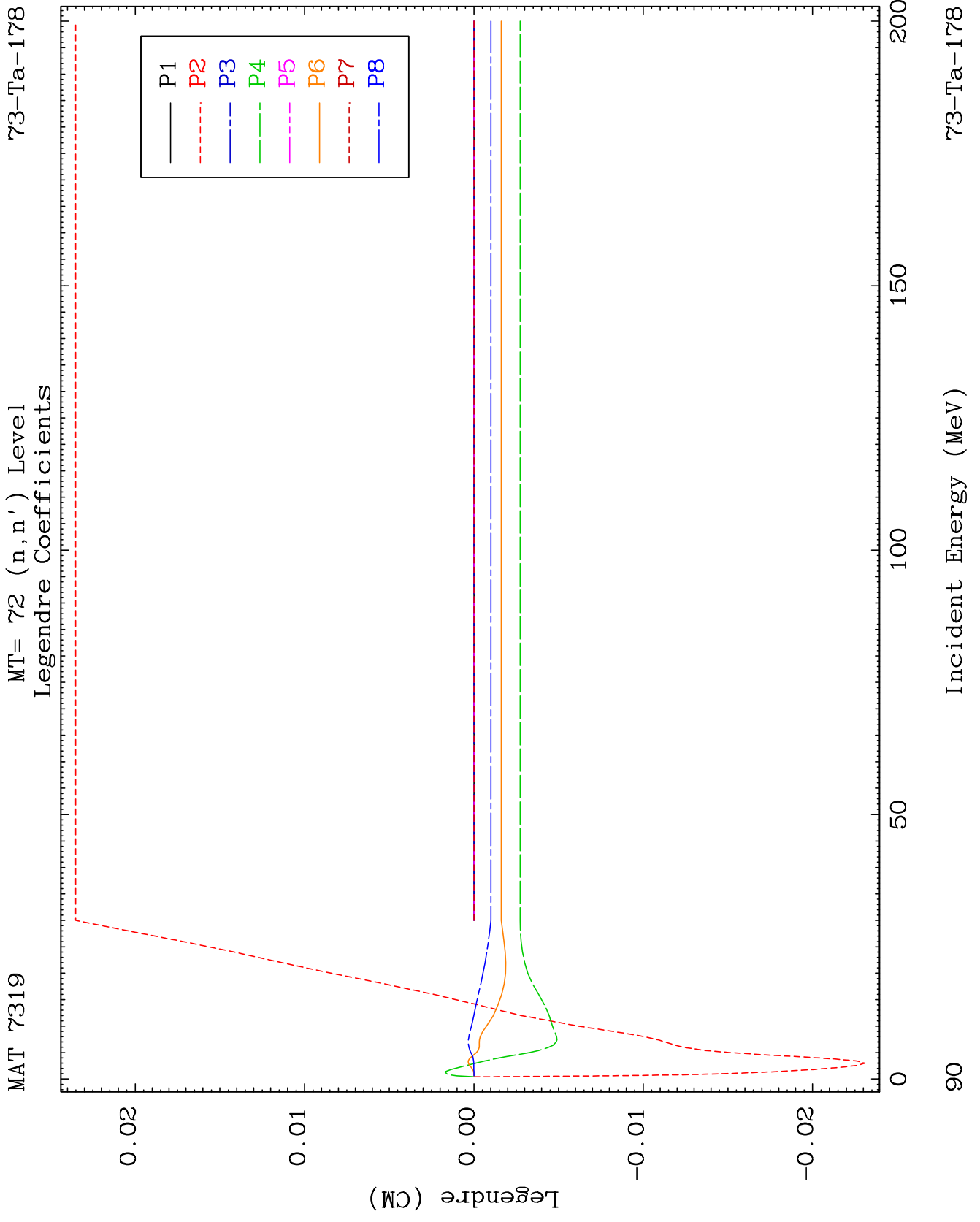
MAT 7319

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

73-Ta-178



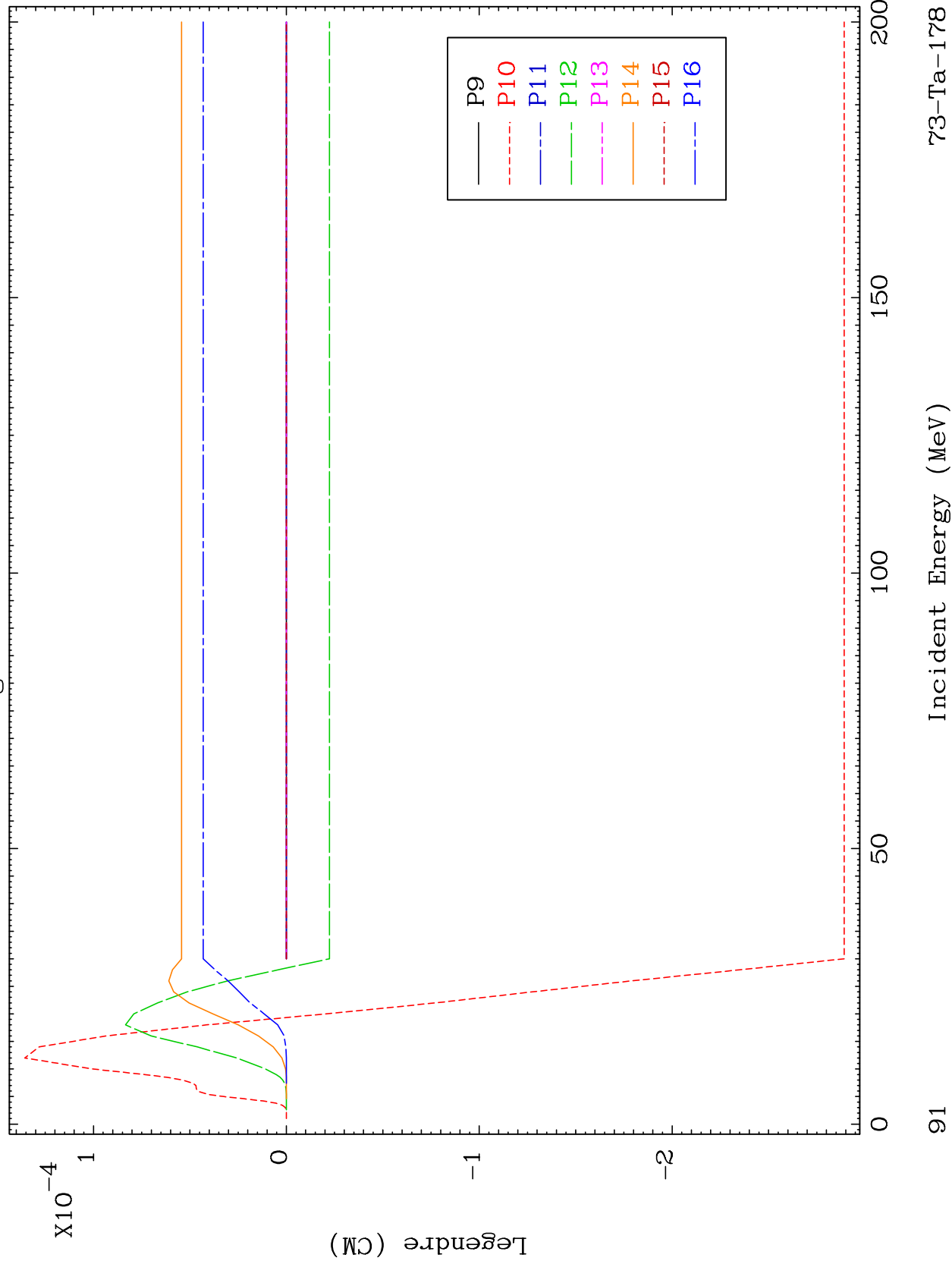




MAT 7319

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

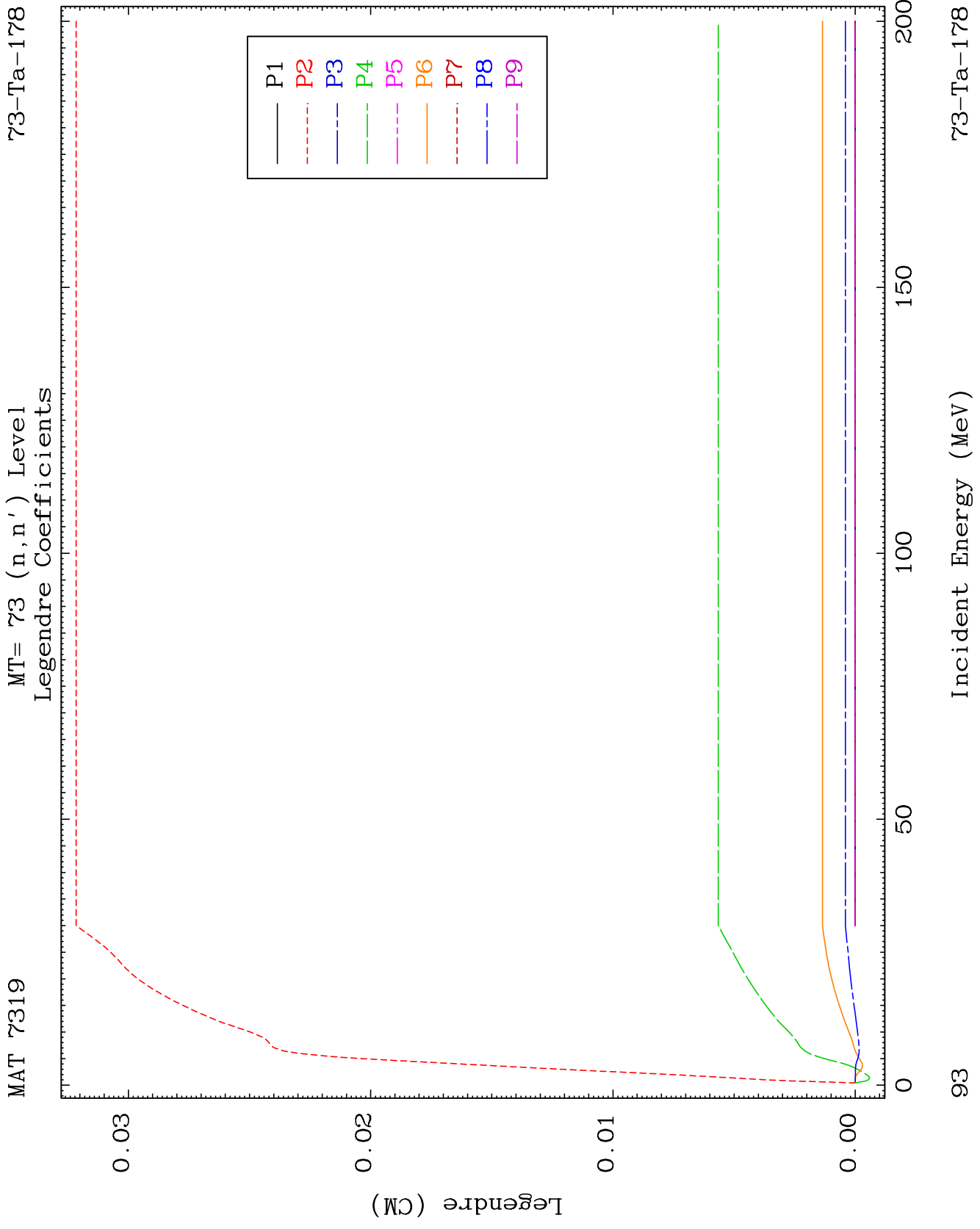
73-Ta-178



91

Incident Energy (MeV)

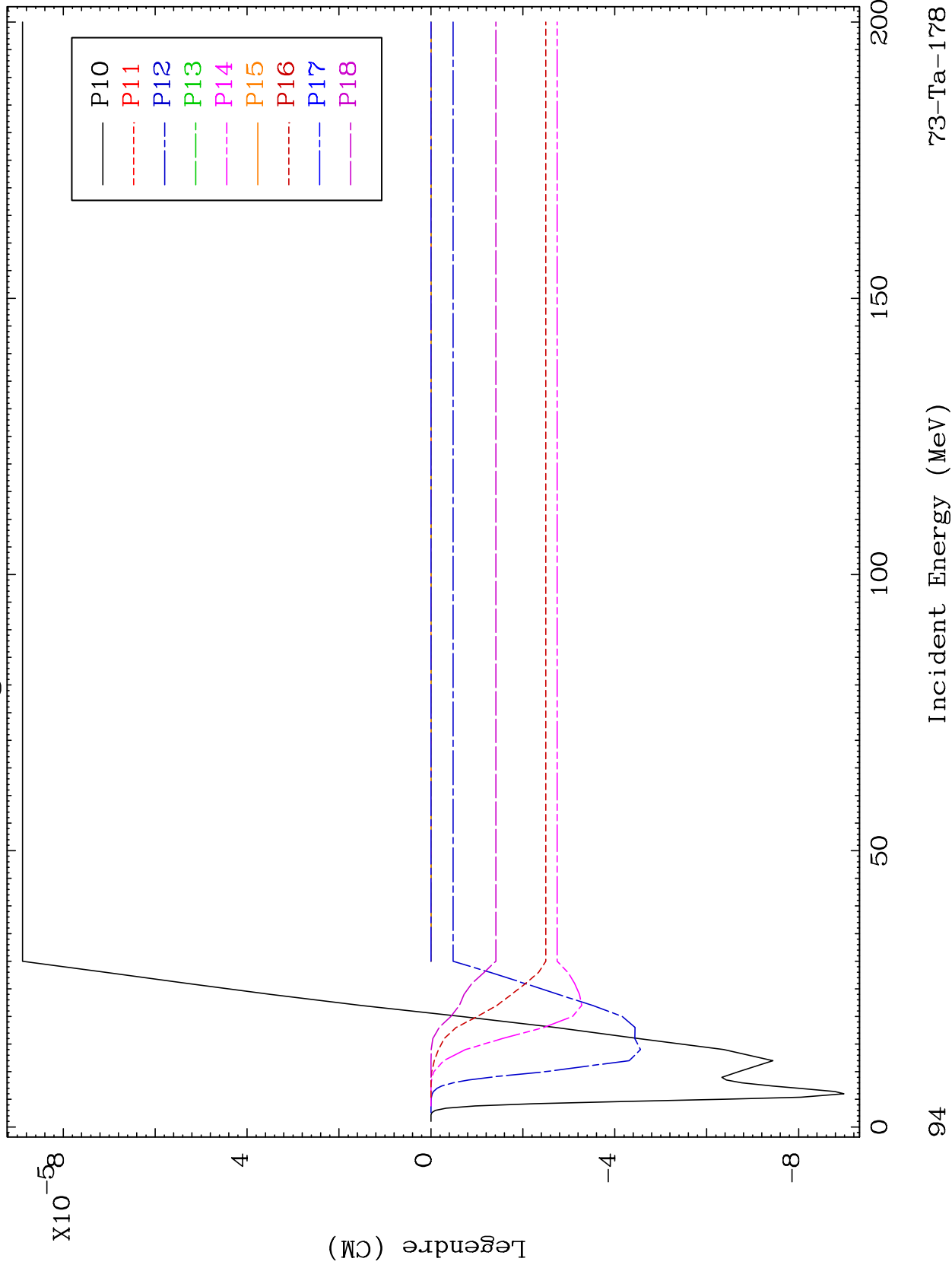
73-Ta-178



MAT 7319

MT= 73 (n,n') Level
Legendre Coefficients

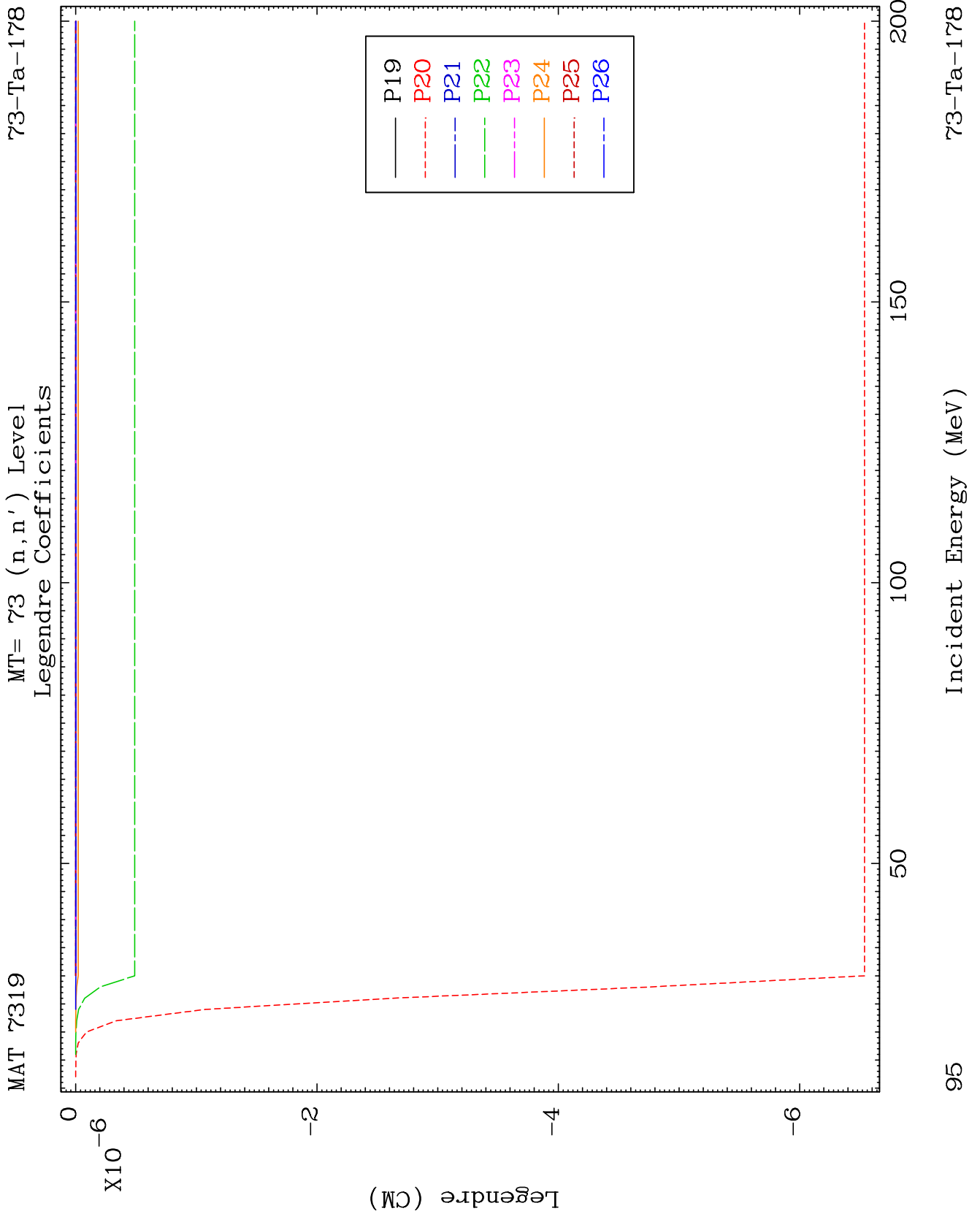
73-Ta-178



73-Ta-178

Incident Energy (MeV)

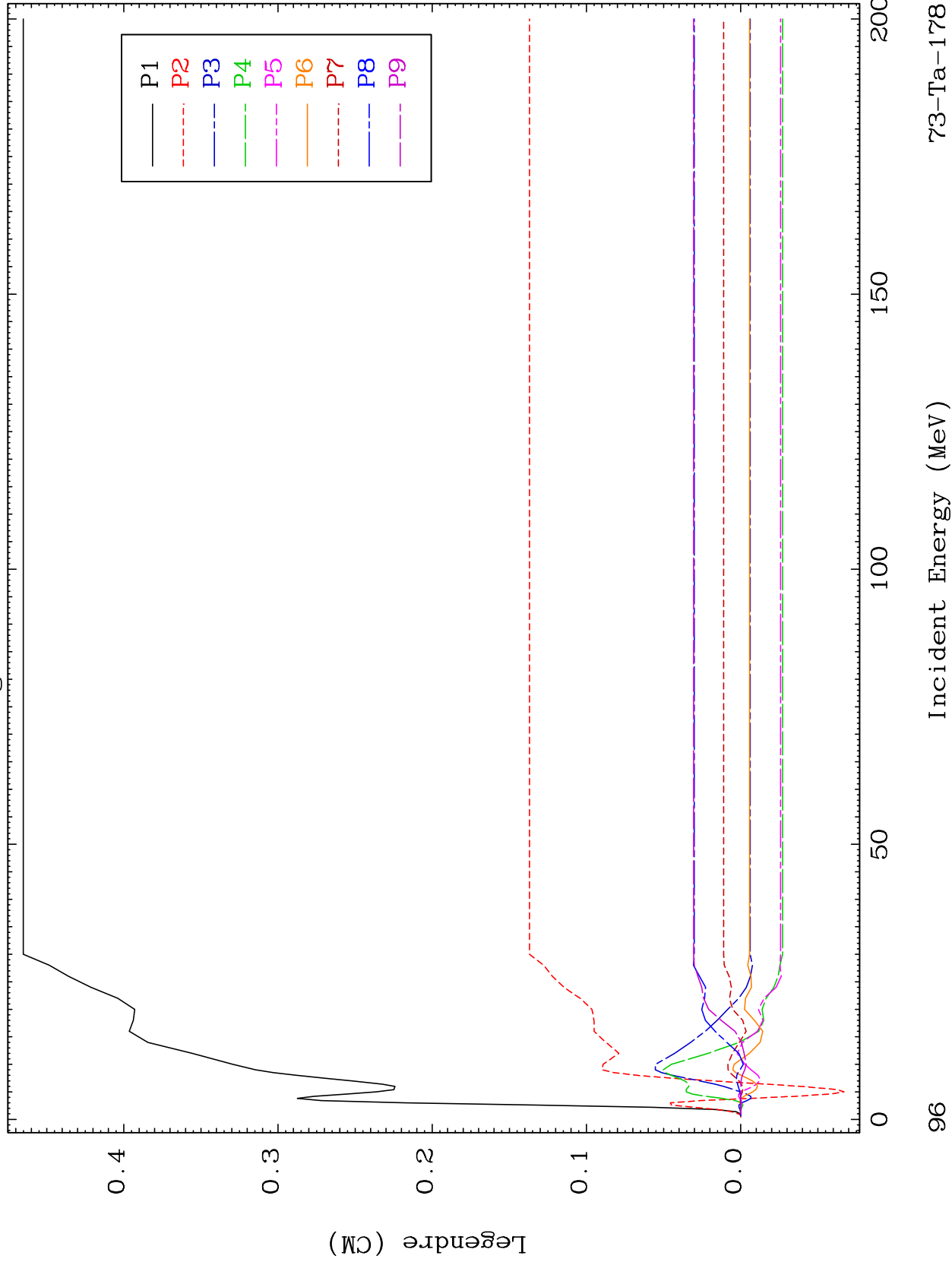
94



MAT 7319

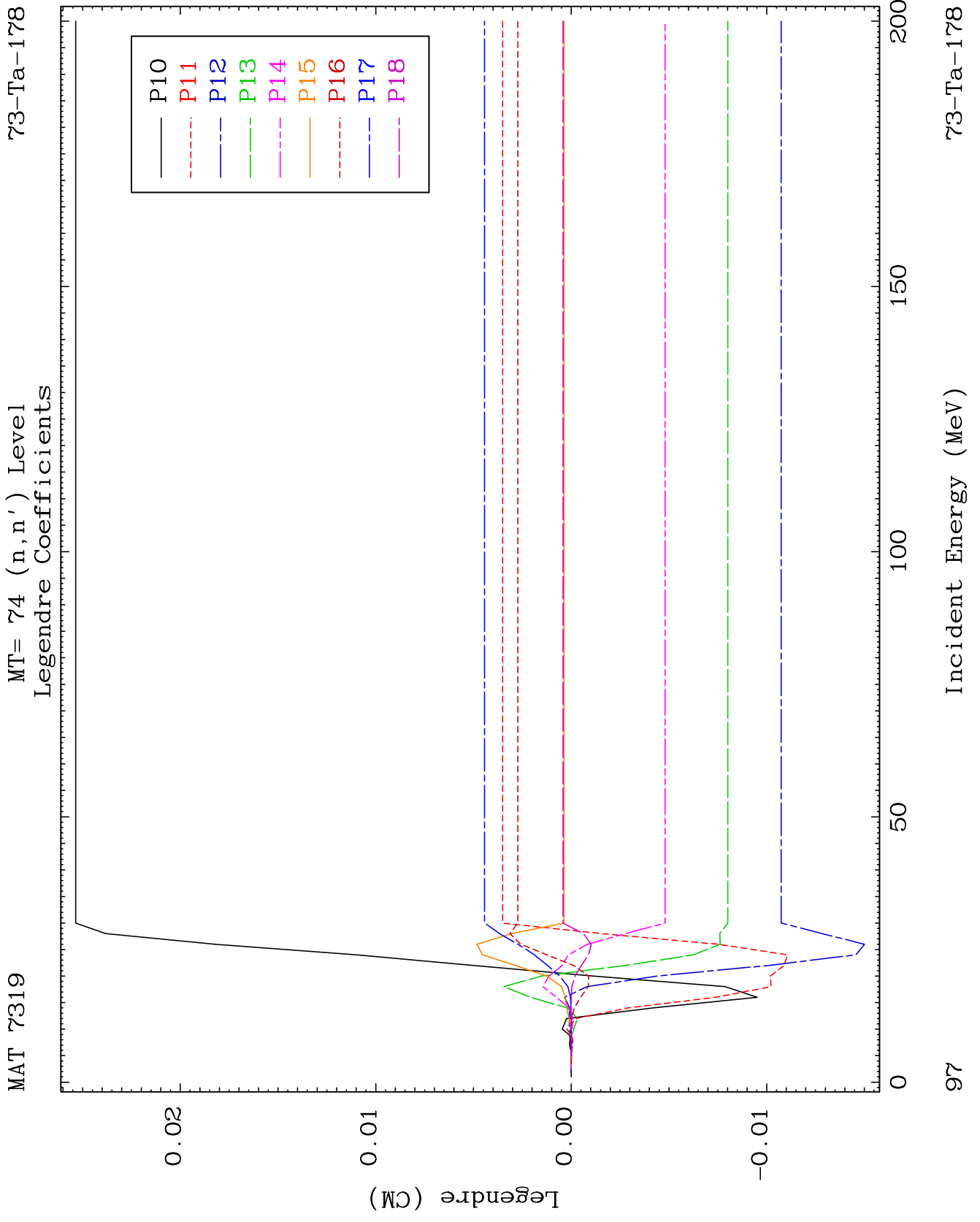
MT= 74 (n,n') Level
Legendre Coefficients

73-Ta-178



96

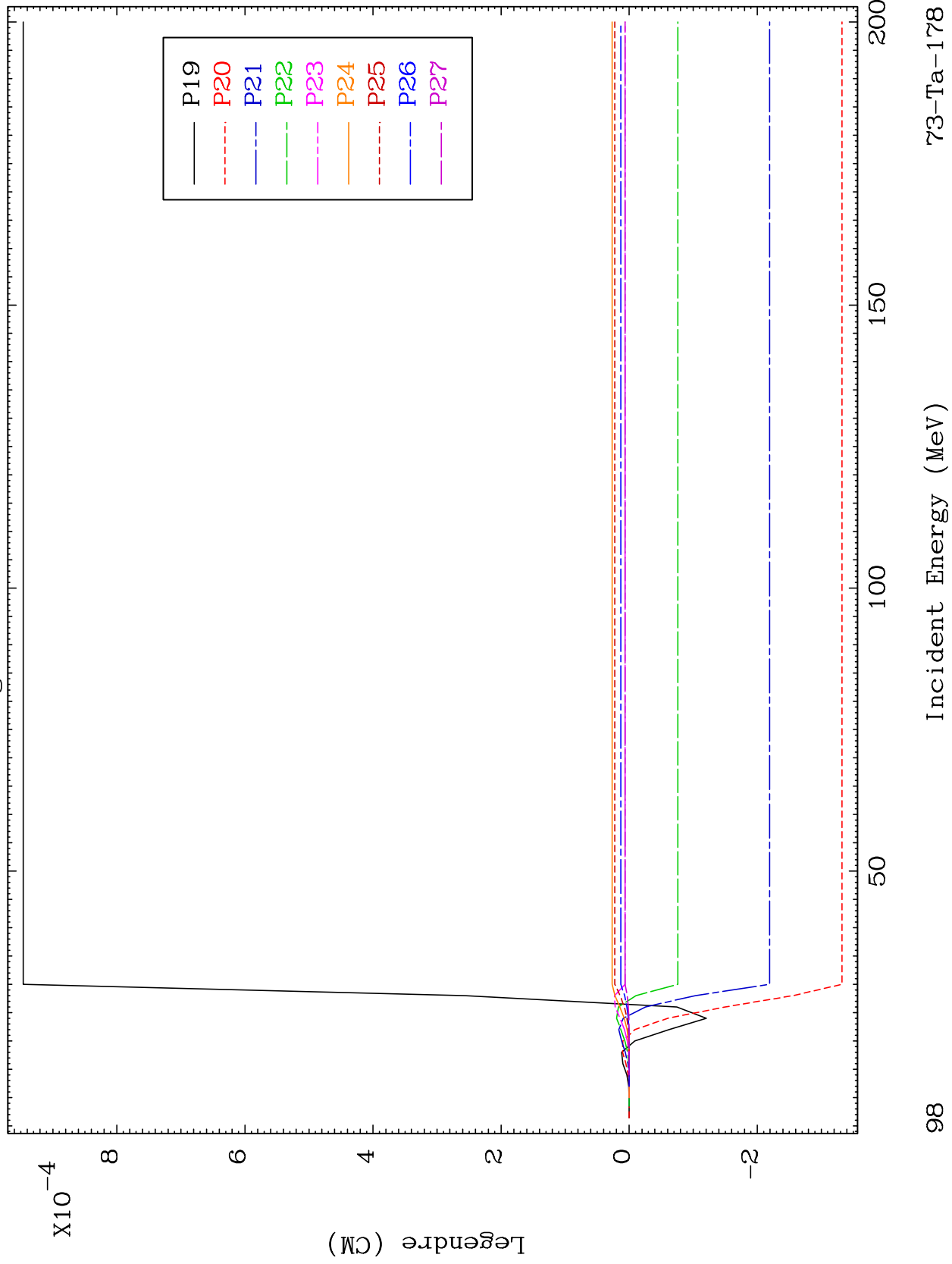
73-Ta-178



MAT 7319

MT= 74 (n,n') Level
Legendre Coefficients

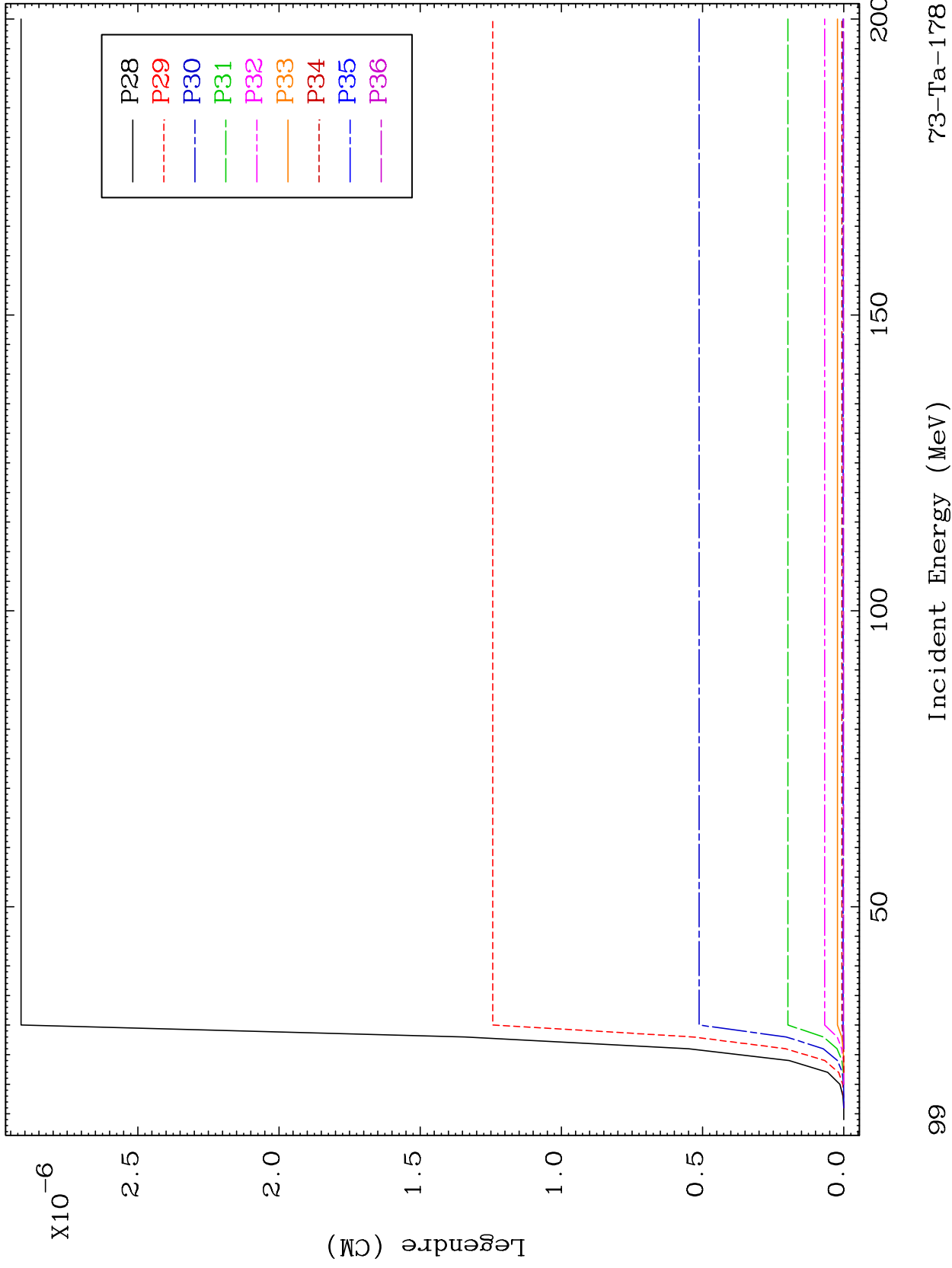
73-Ta-178

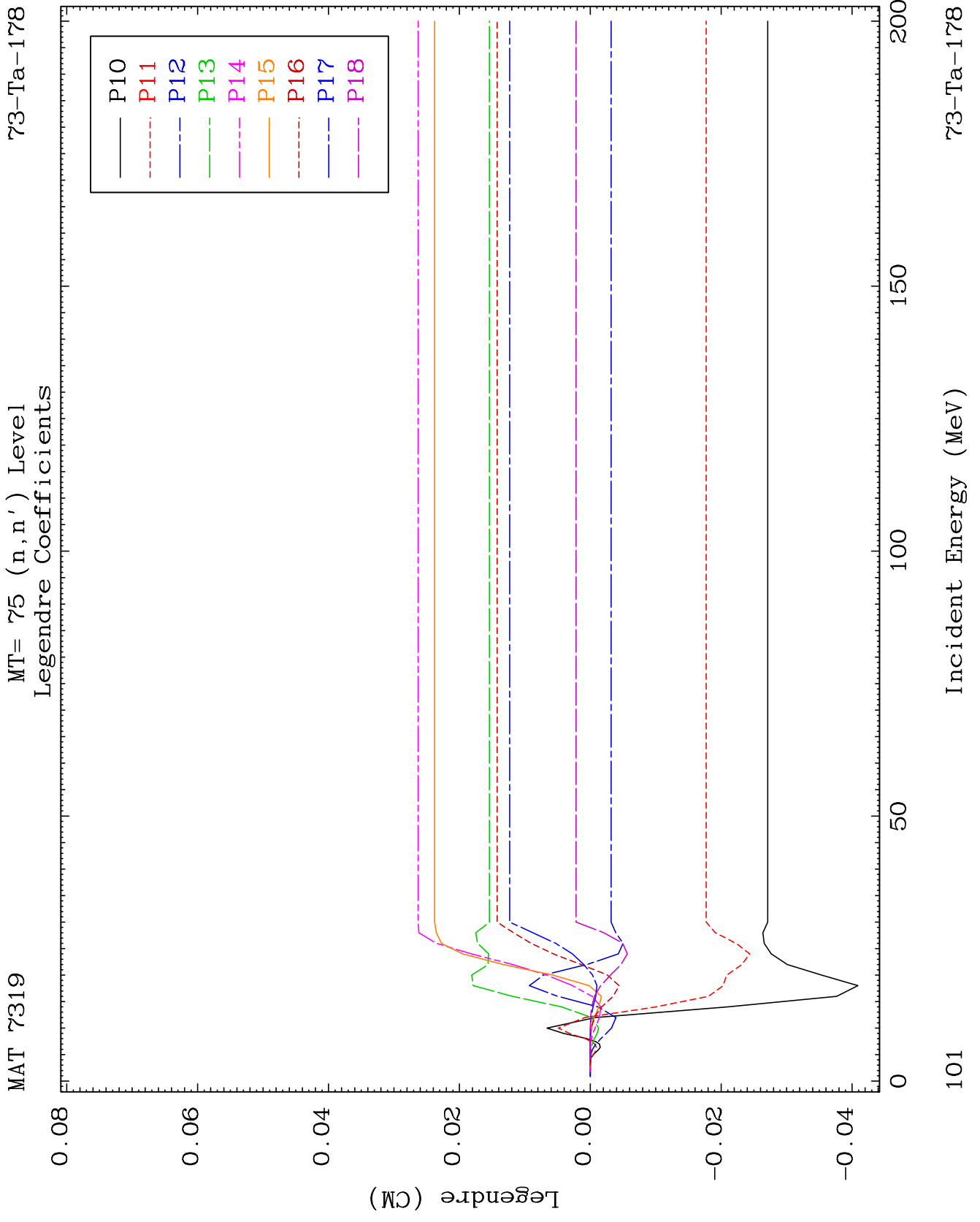


MAT 7319

MT= 74 (n,n') Level
Legendre Coefficients

73-Ta-178

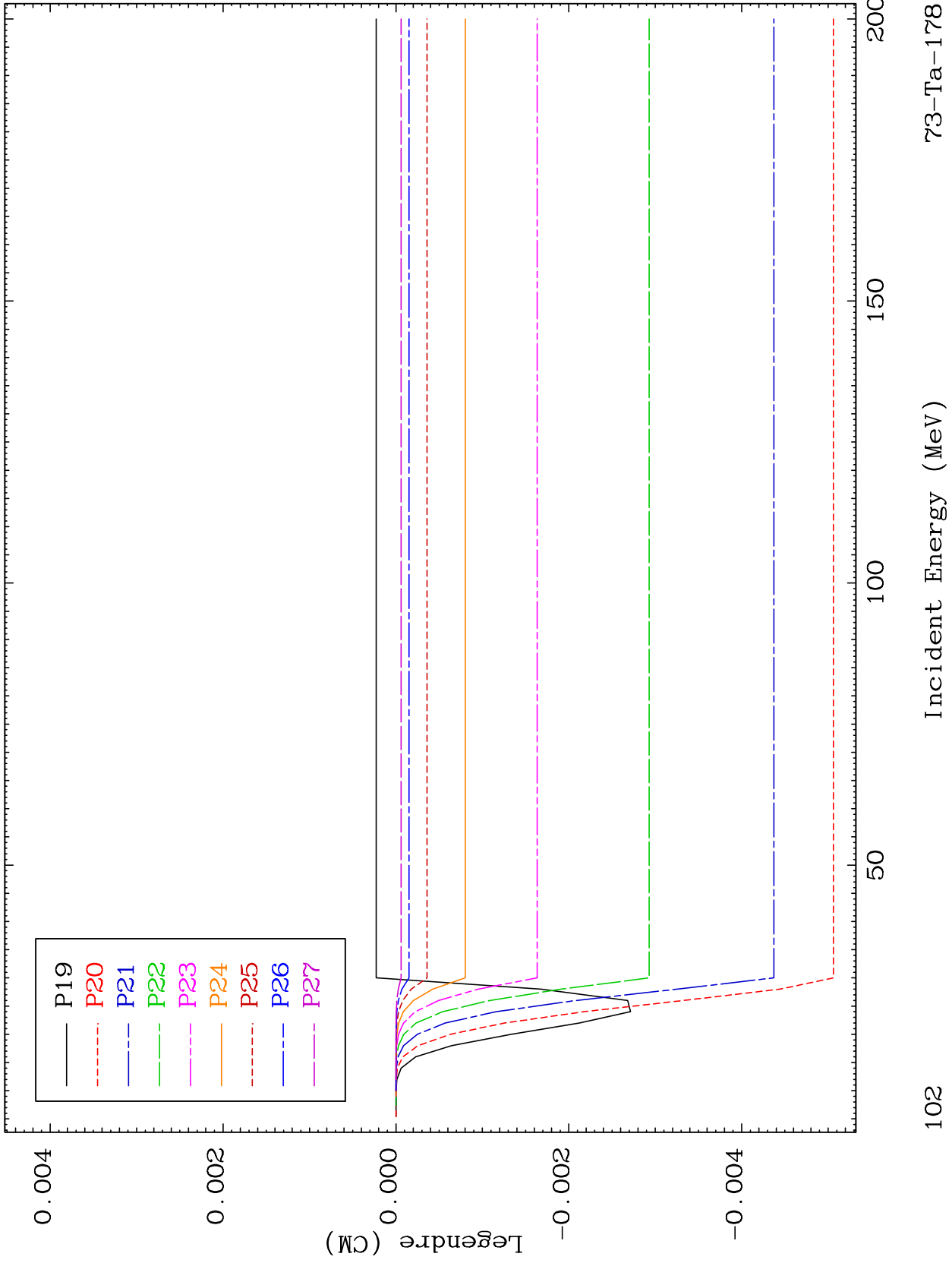


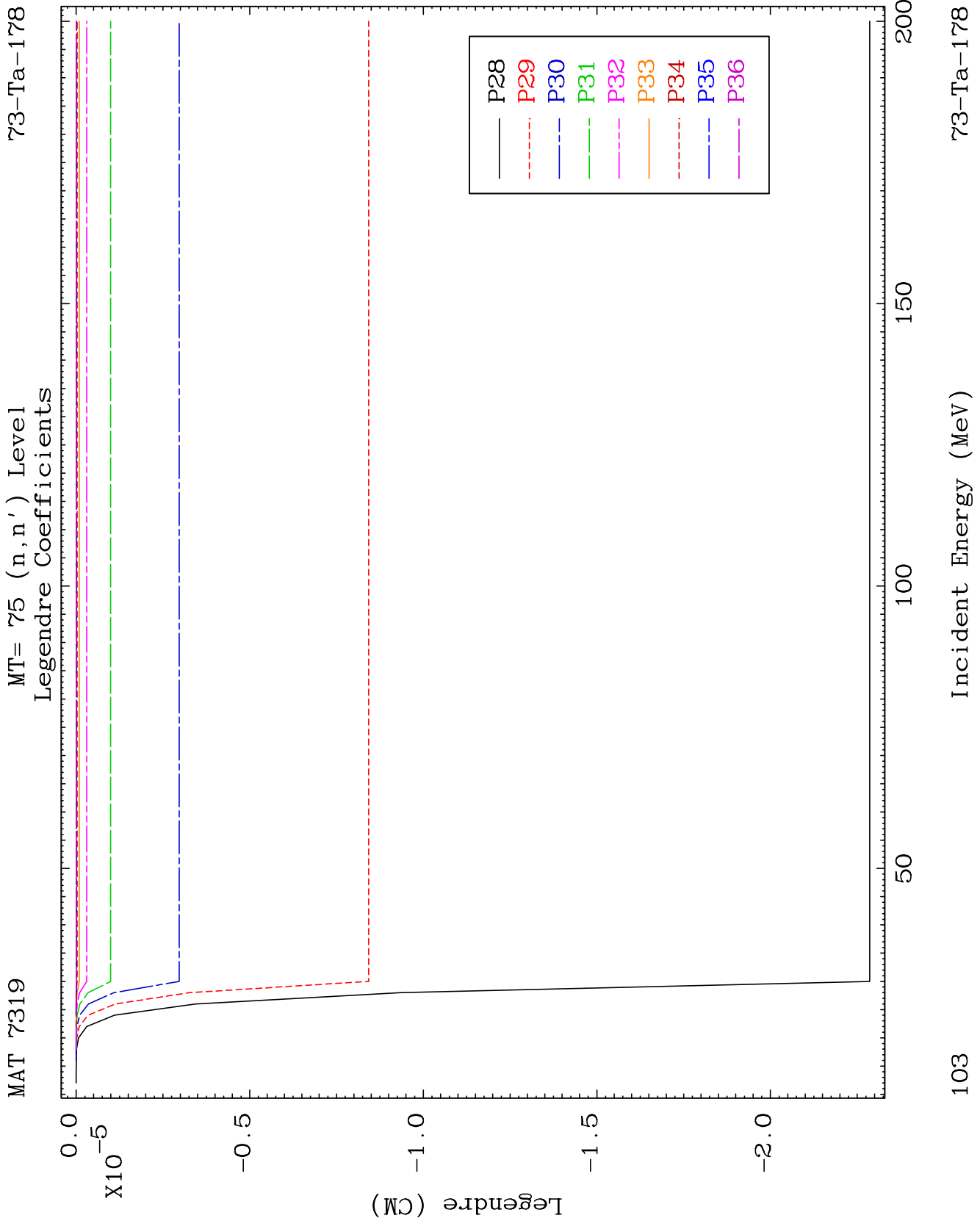


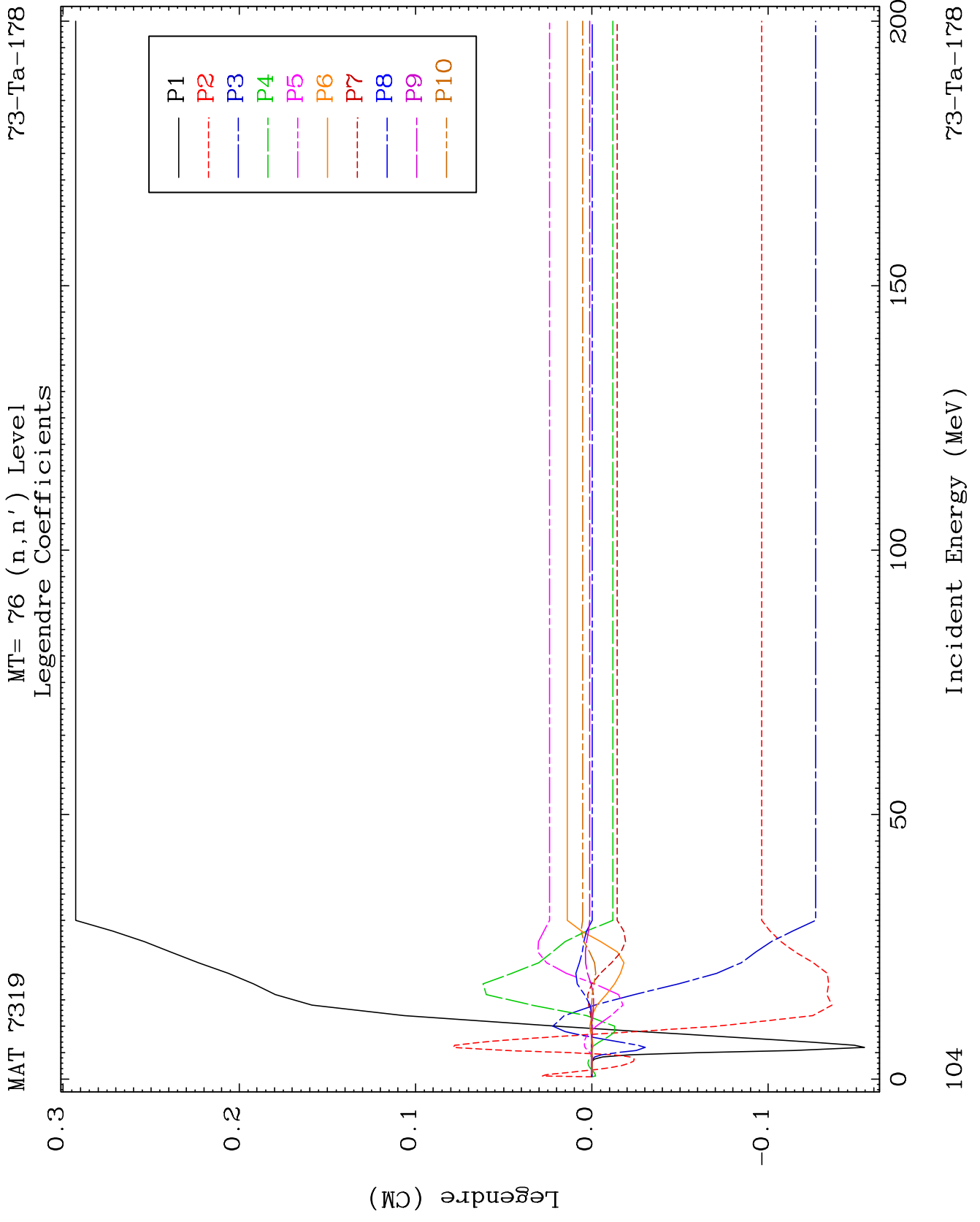
MAT 7319

MT= 75 (n,n') Level
Legendre Coefficients

73-Ta-178



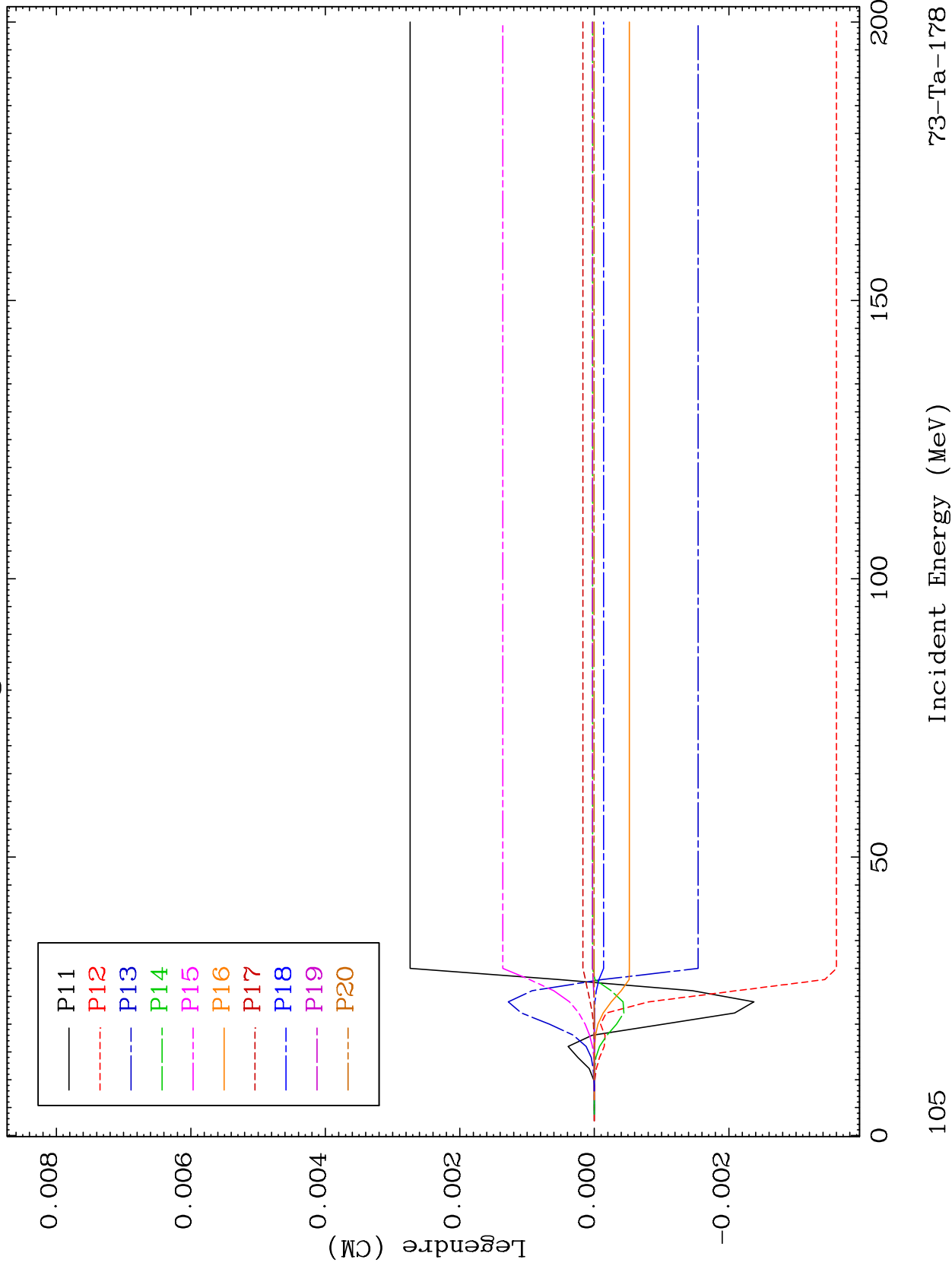




MAT 7319

MT= 76 (n,n') Level
Legendre Coefficients

73-Ta-178



73-Ta-178

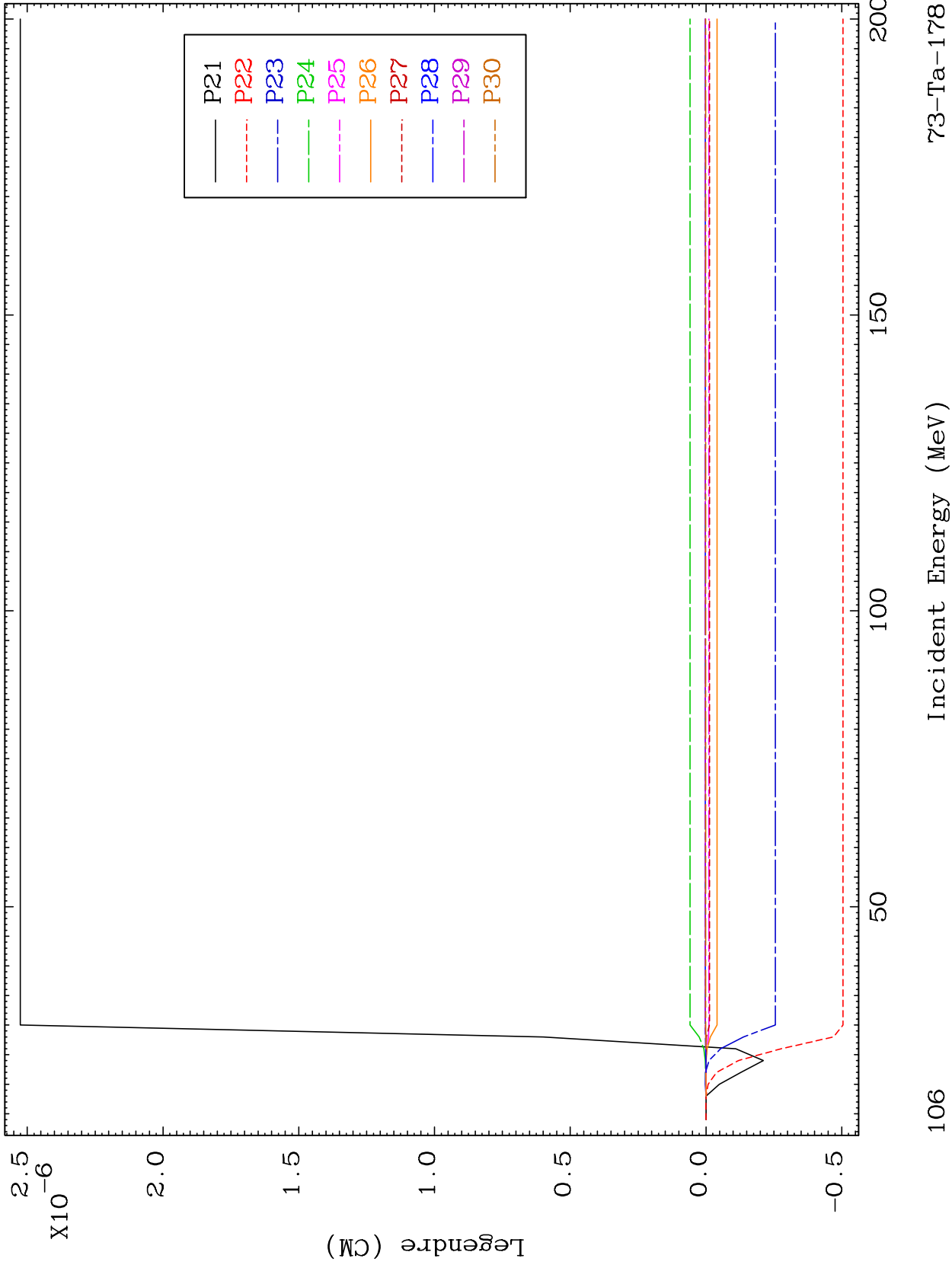
Incident Energy (MeV)

105

MAT 7319

MT= 76 (n,n') Level
Legendre Coefficients

73-Ta-178

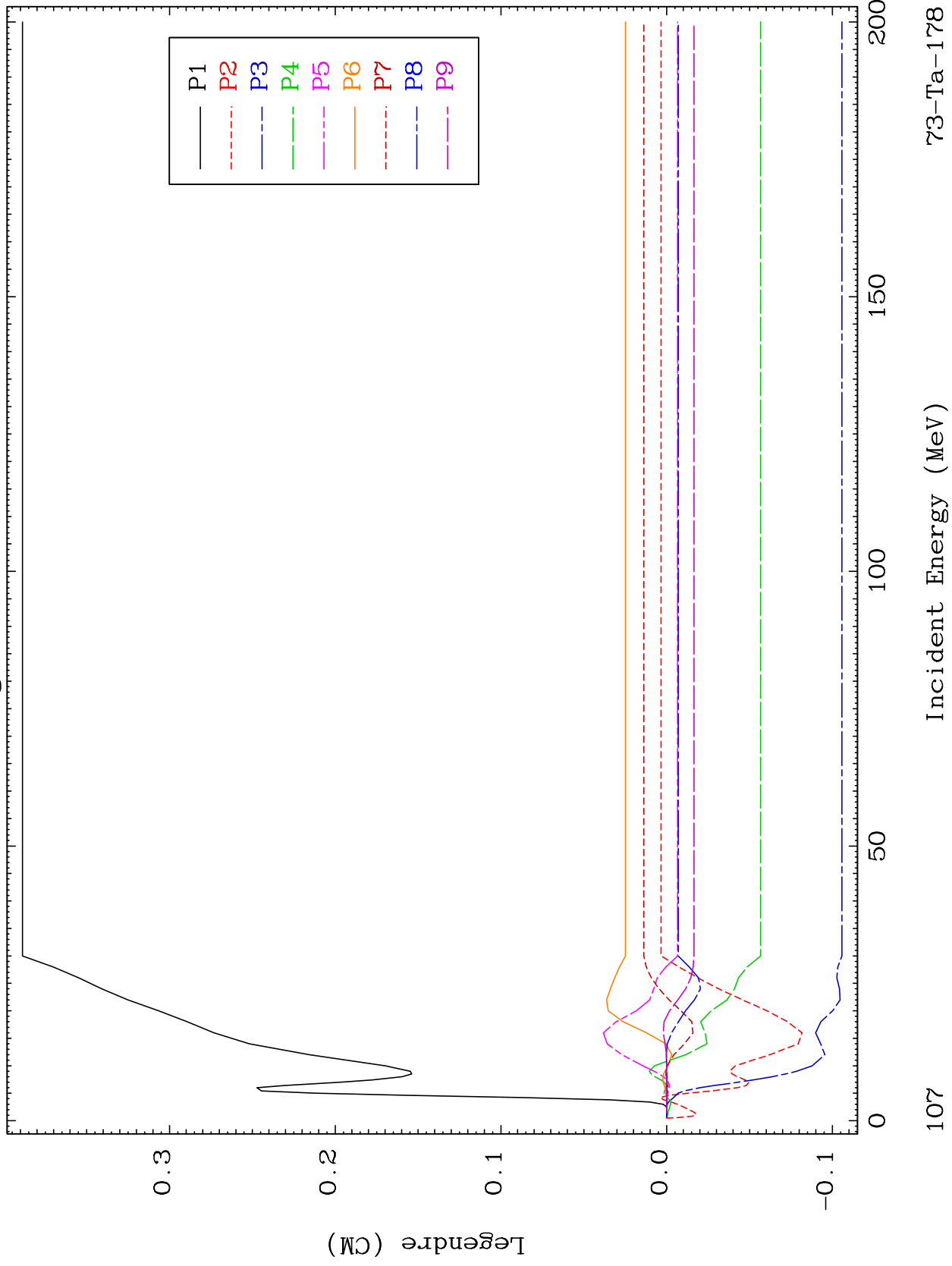


106

MAT 7319

MT= 77 (n,n') Level
Legendre Coefficients

73-Ta-178



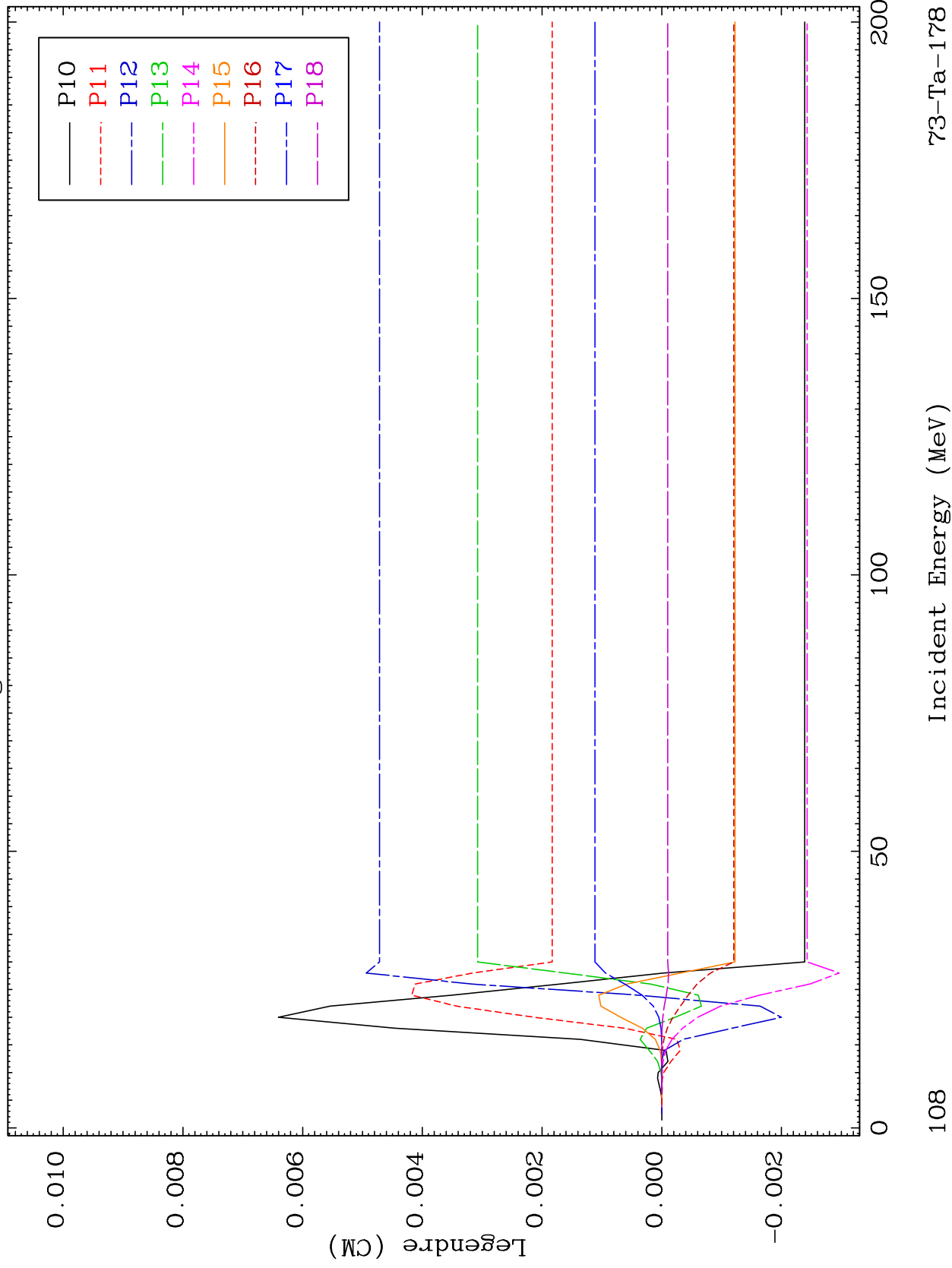
107

73-Ta-178

MAT 7319

MT= 77 (n,n') Level
Legendre Coefficients

73-Ta-178

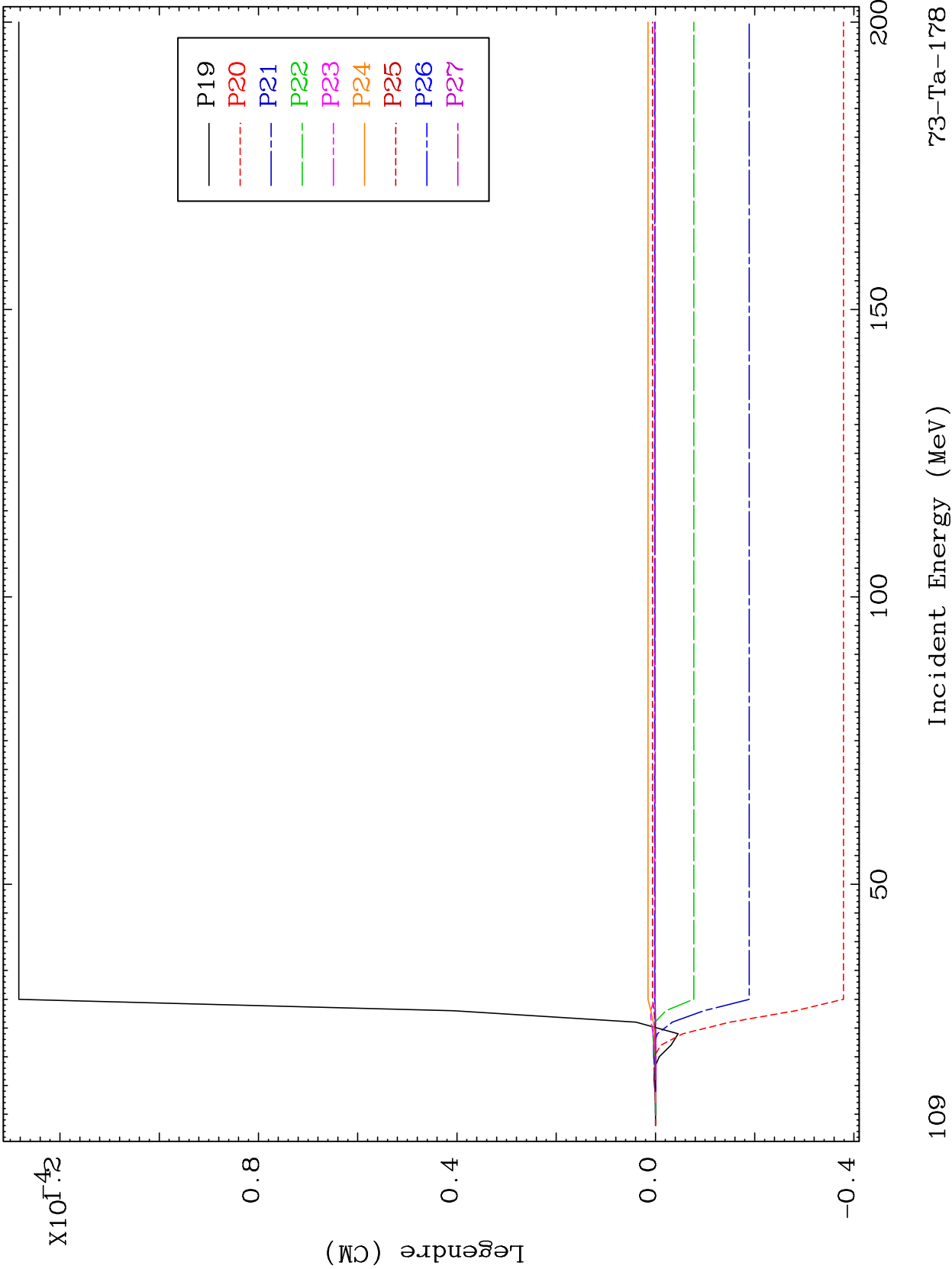


73-Ta-178

MAT 7319

MT= 77 (n,n') Level
Legendre Coefficients

73-Ta-178



109

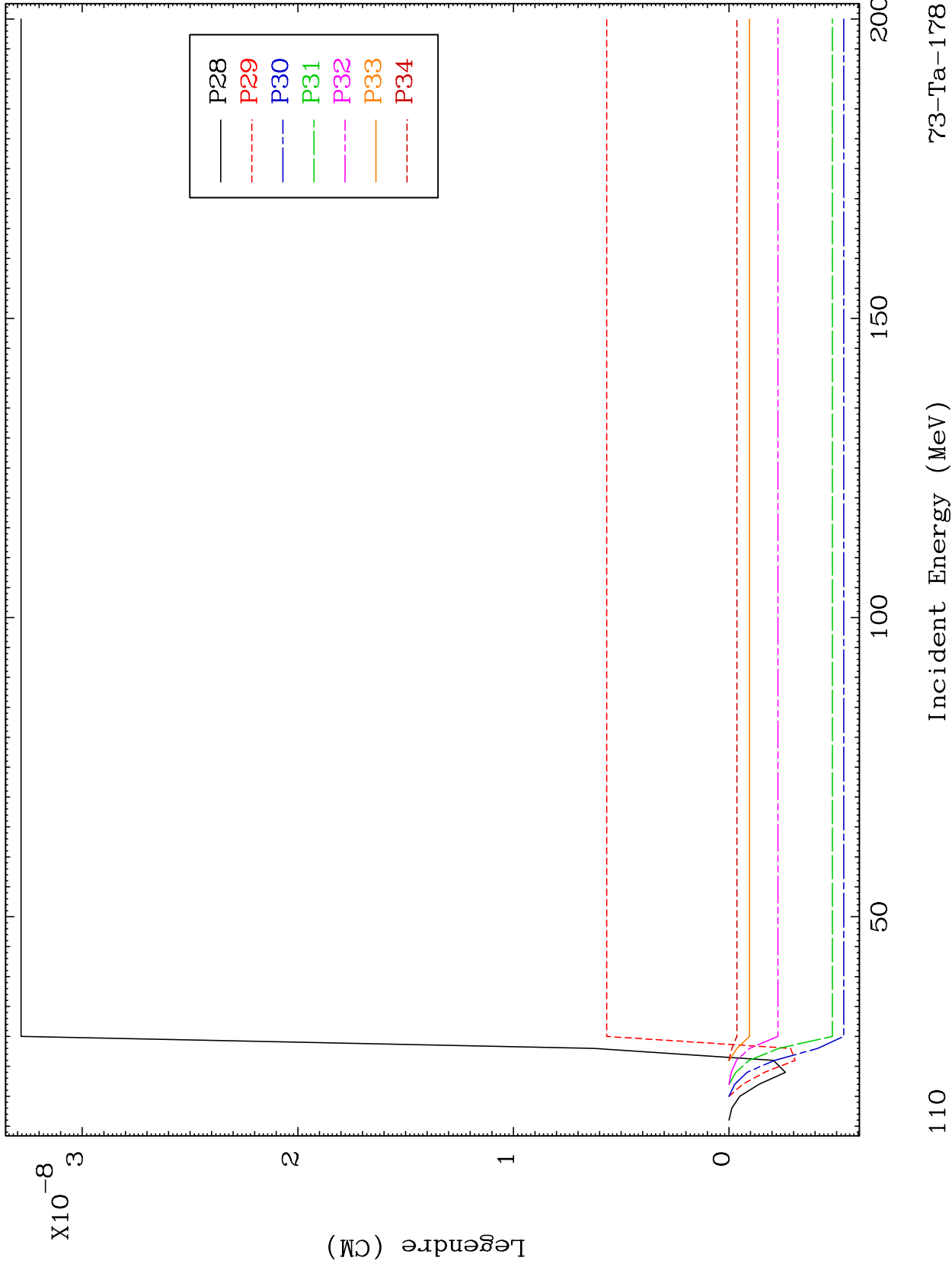
Incident Energy (MeV)

73-Ta-178

MAT 7319

MT= 77 (n,n') Level
Legendre Coefficients

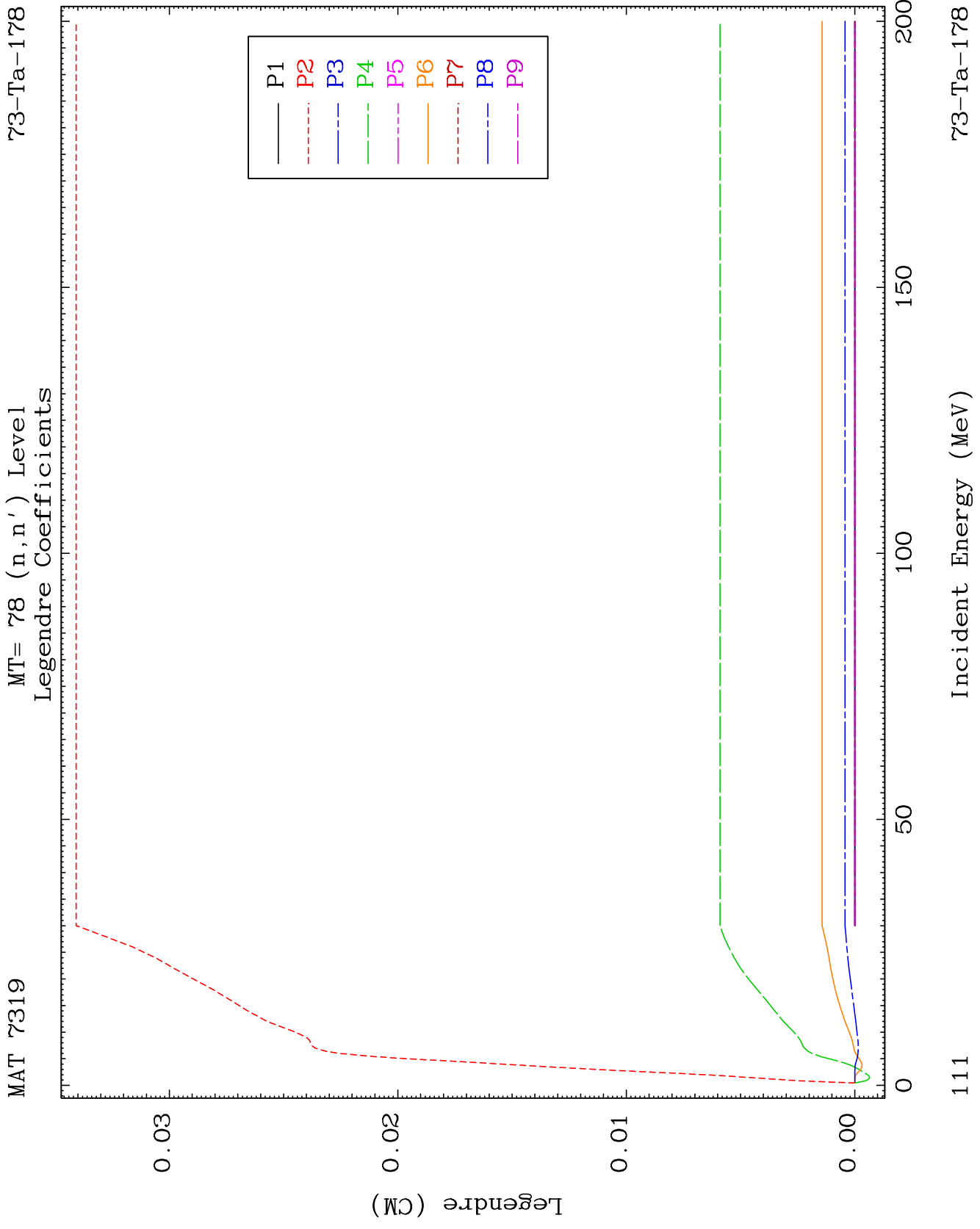
73-Ta-178

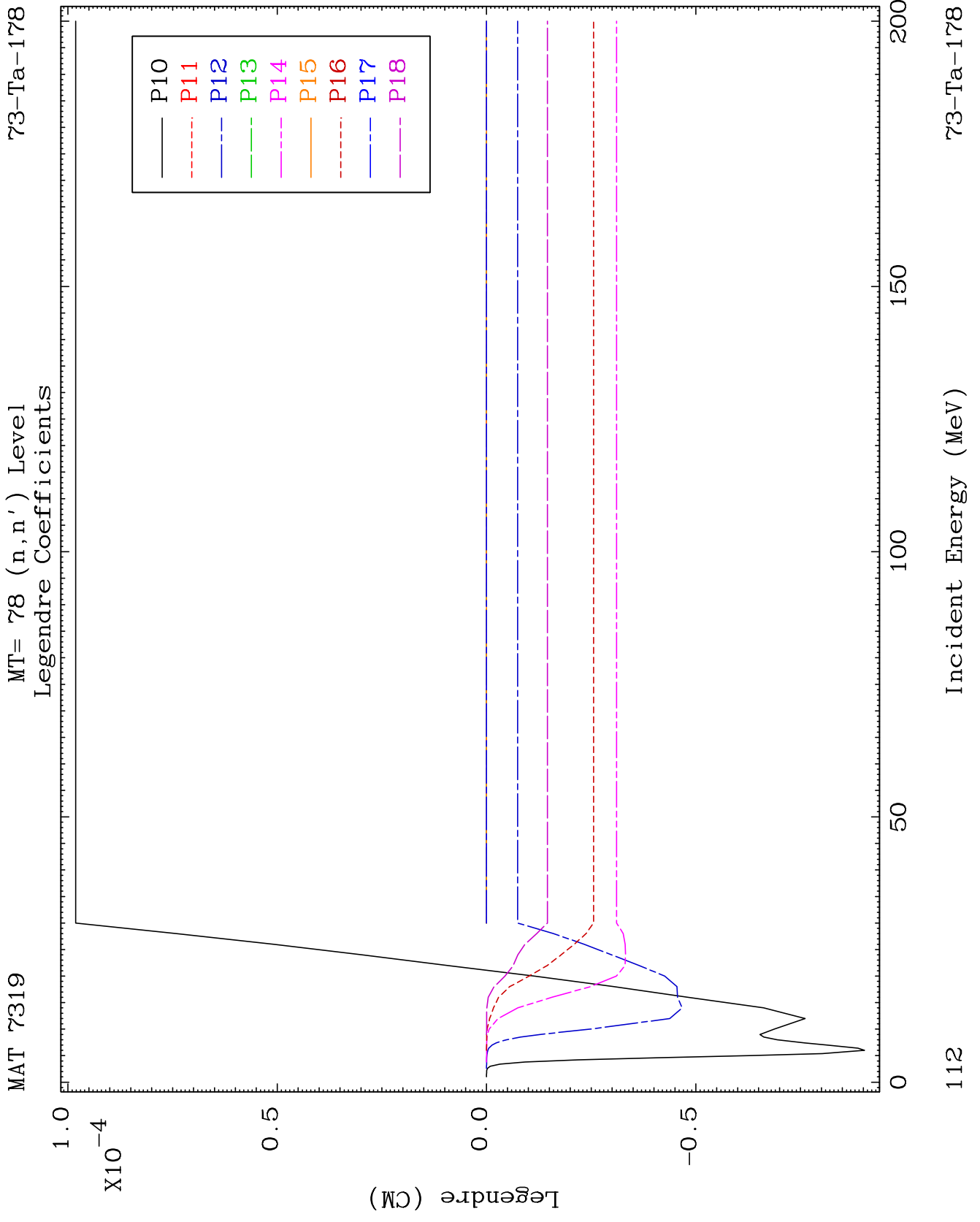


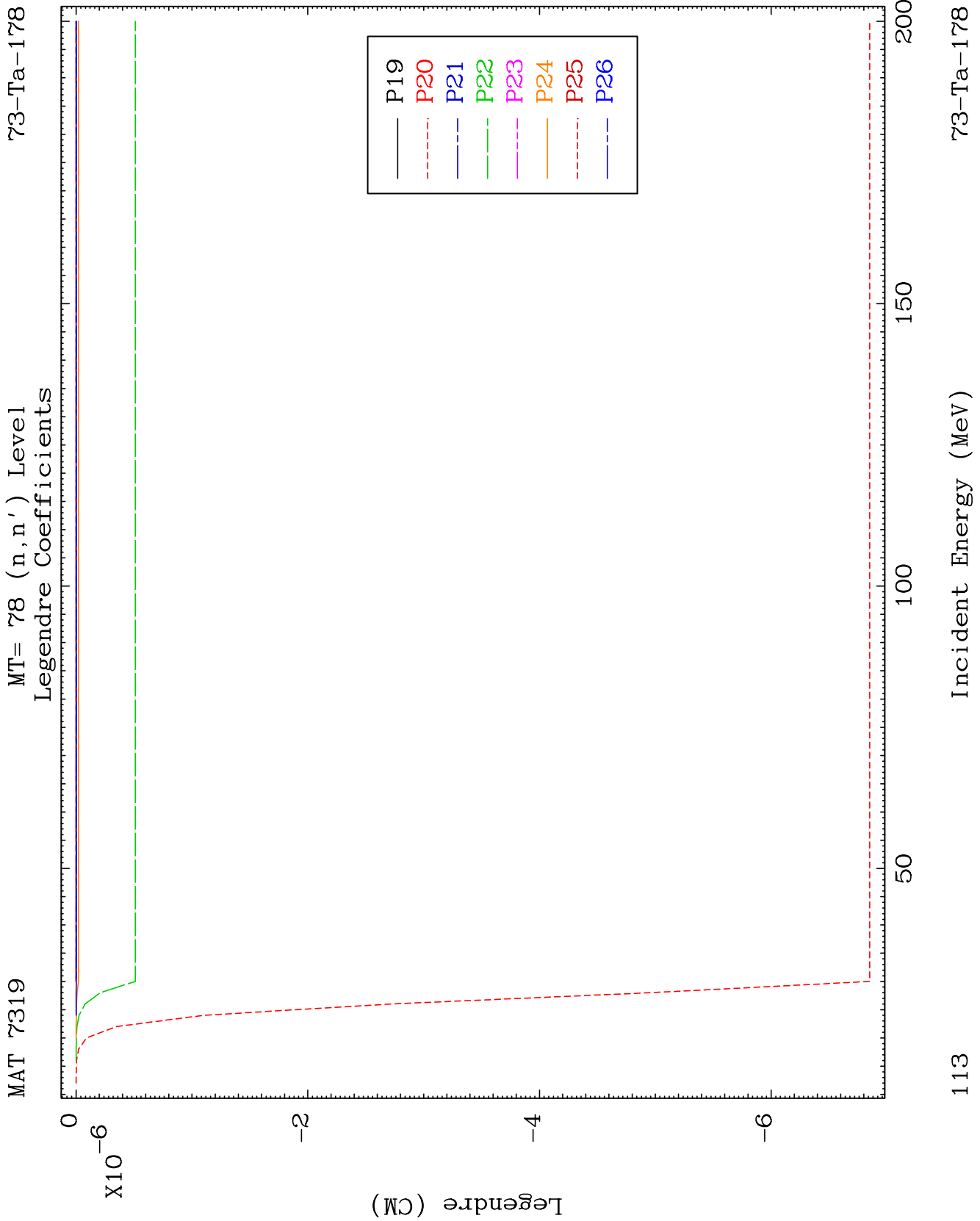
110

Incident Energy (MeV)

73-Ta-178



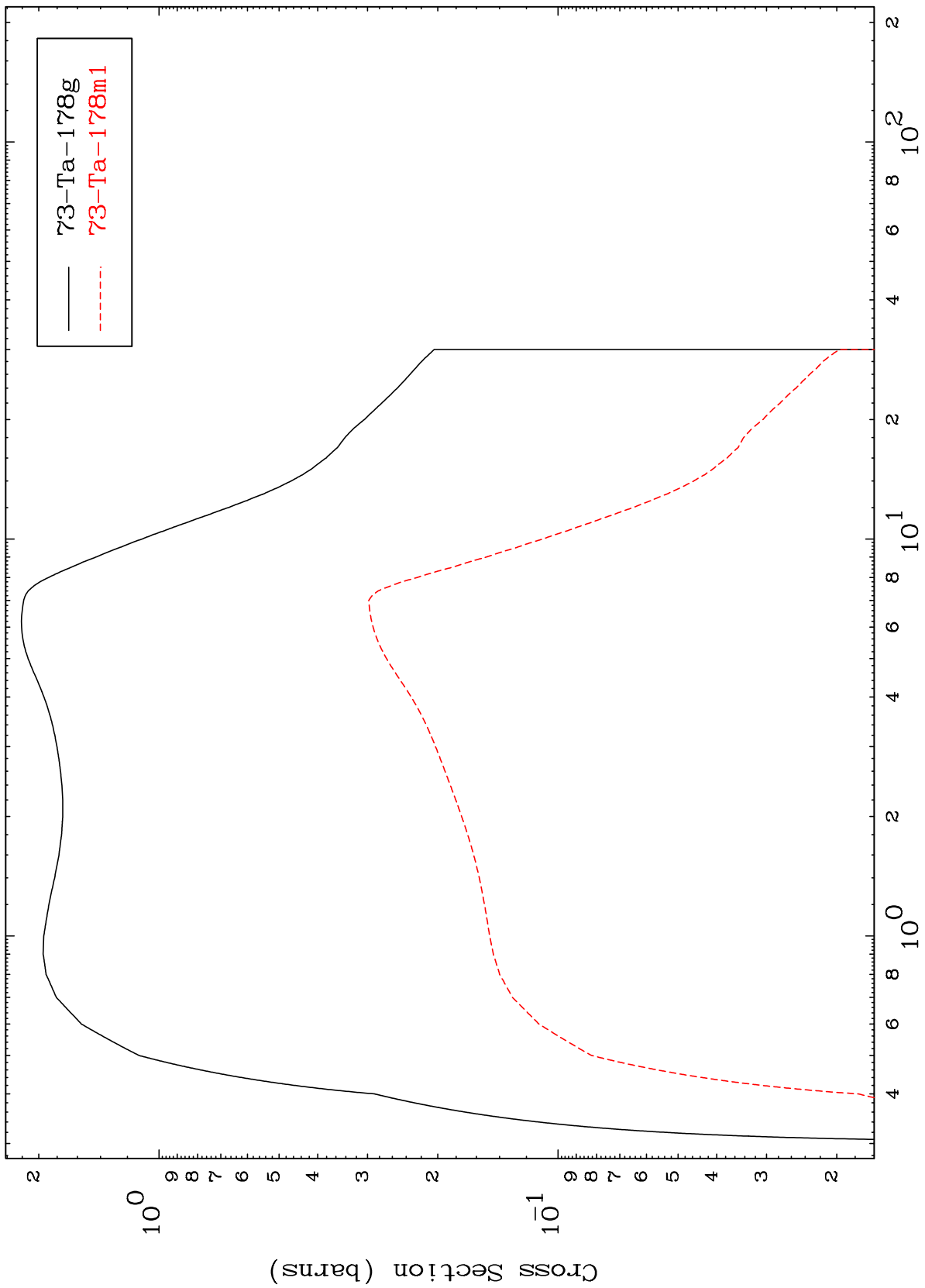




MAT 7319

73-Ta-178

Inelastic
Radionuclide Production Cross Section



114

73-Ta-178

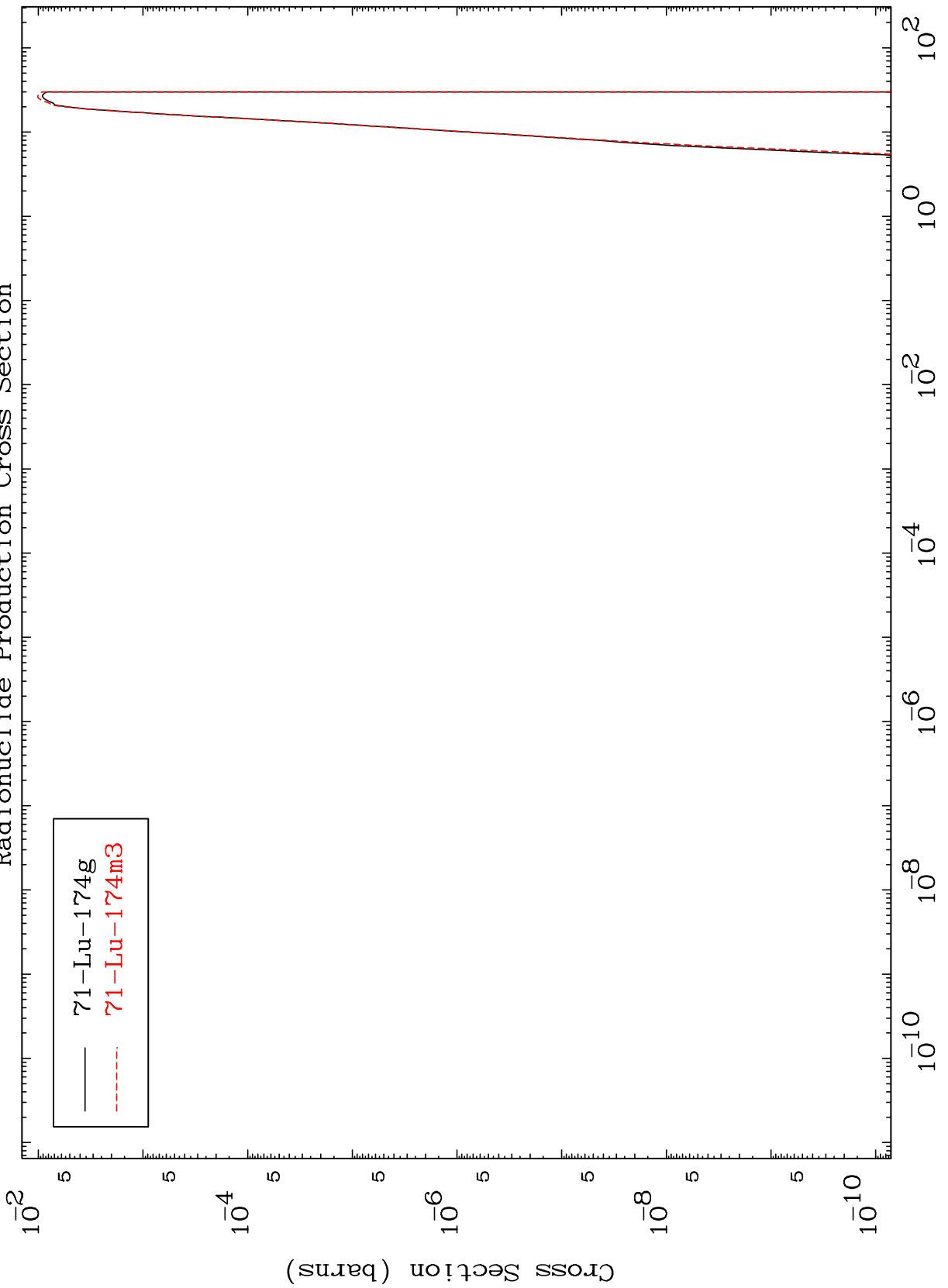
Incident Energy (MeV)

MAT 7319

$(n, n') \alpha$

$^{73}\text{Ta-178}$

Radionuclide Production Cross Section



115

Incident Energy (MeV)

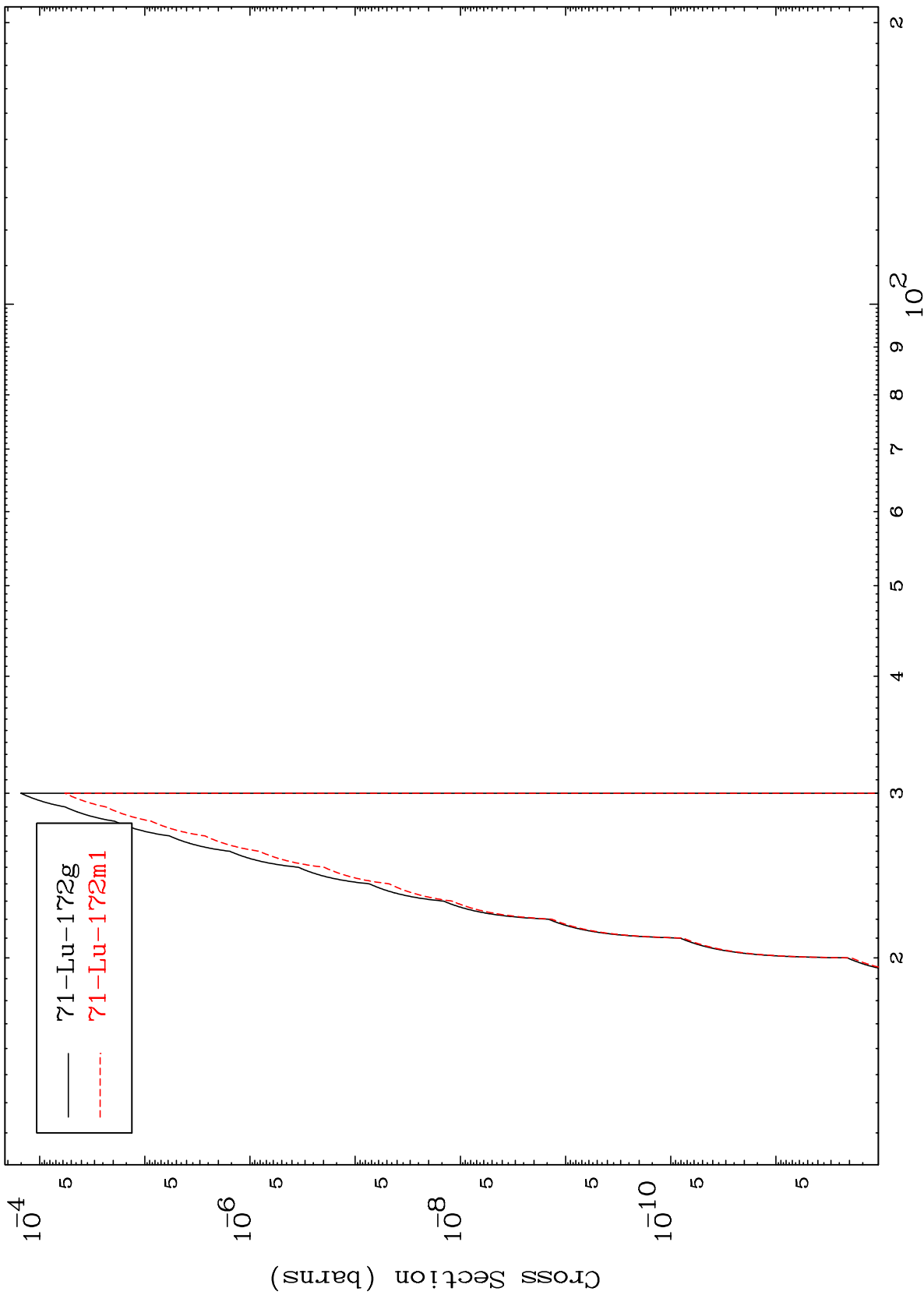
$^{73}\text{Ta-178}$

MAT 7319

(n,3n) α

⁷³Ta-178

Radionuclide Production Cross Section



116

Incident Energy (MeV)

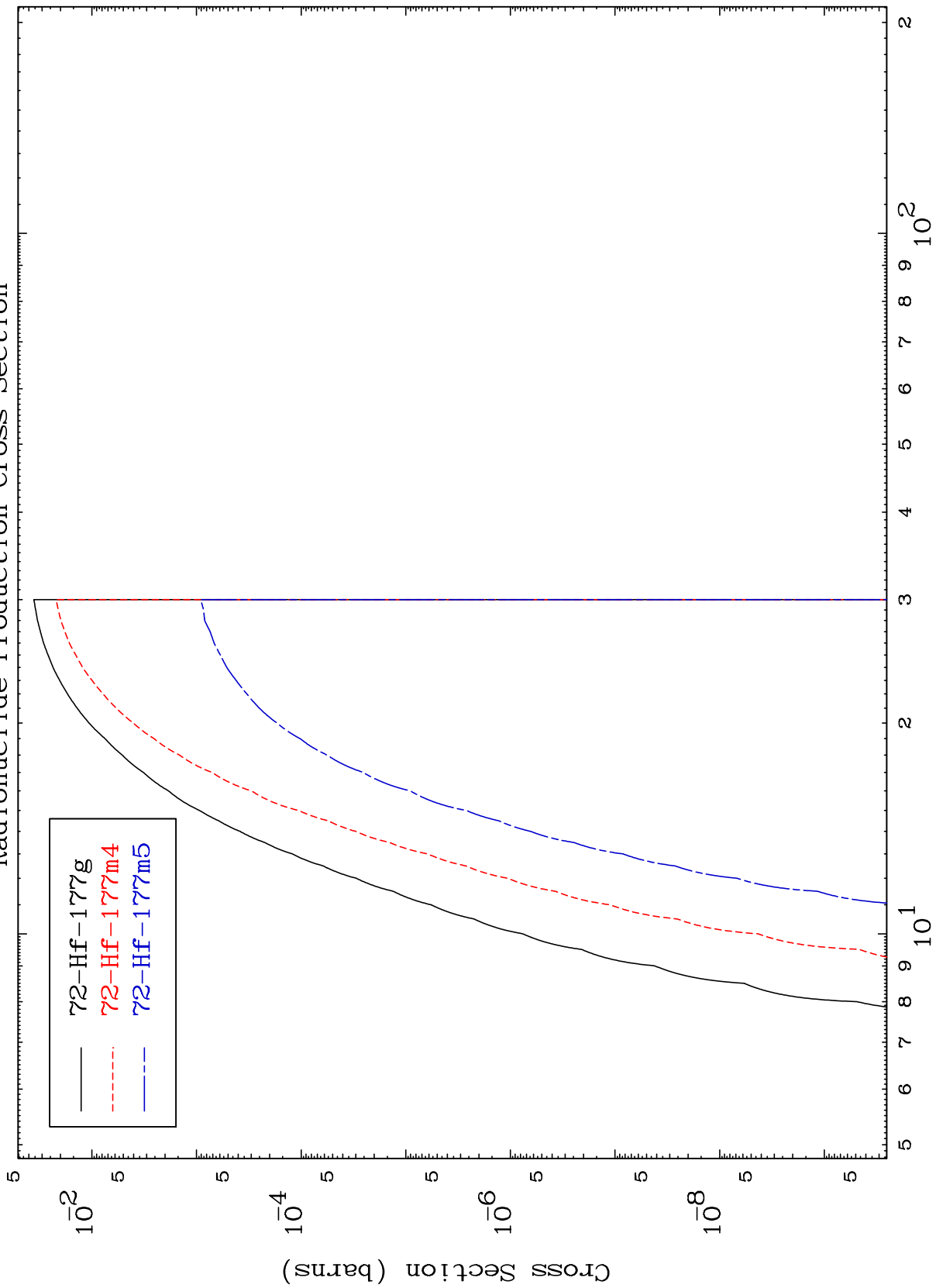
⁷³Ta-178

MAT 7319

73-Ta-178

(n,n') p

Radionuclide Production Cross Section



117

Incident Energy (MeV)

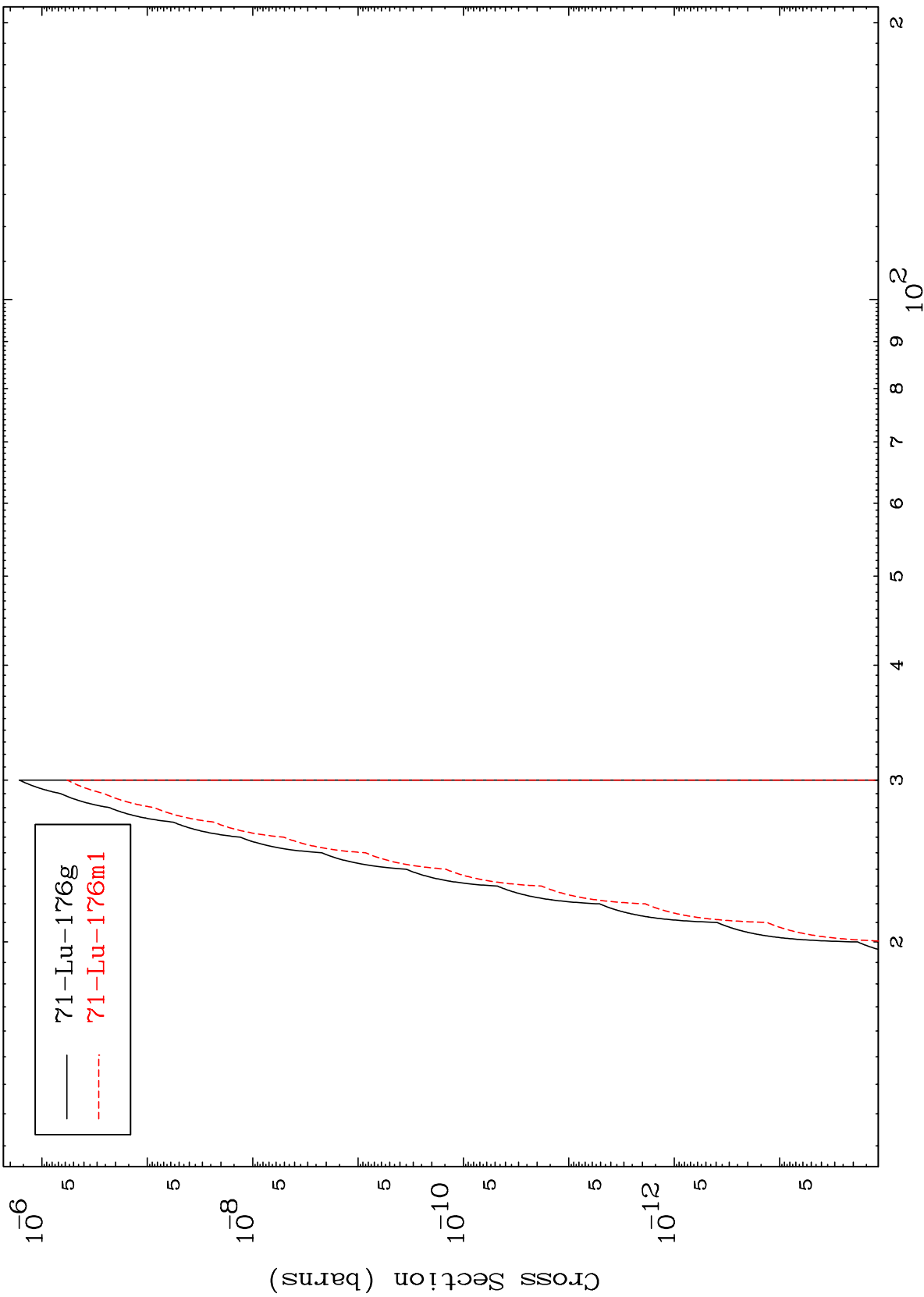
73-Ta-178

MAT 7319

(n,2n) p

⁷³Ta-178

Radionuclide Production Cross Section



71-Lu-176g
71-Lu-176m1

118

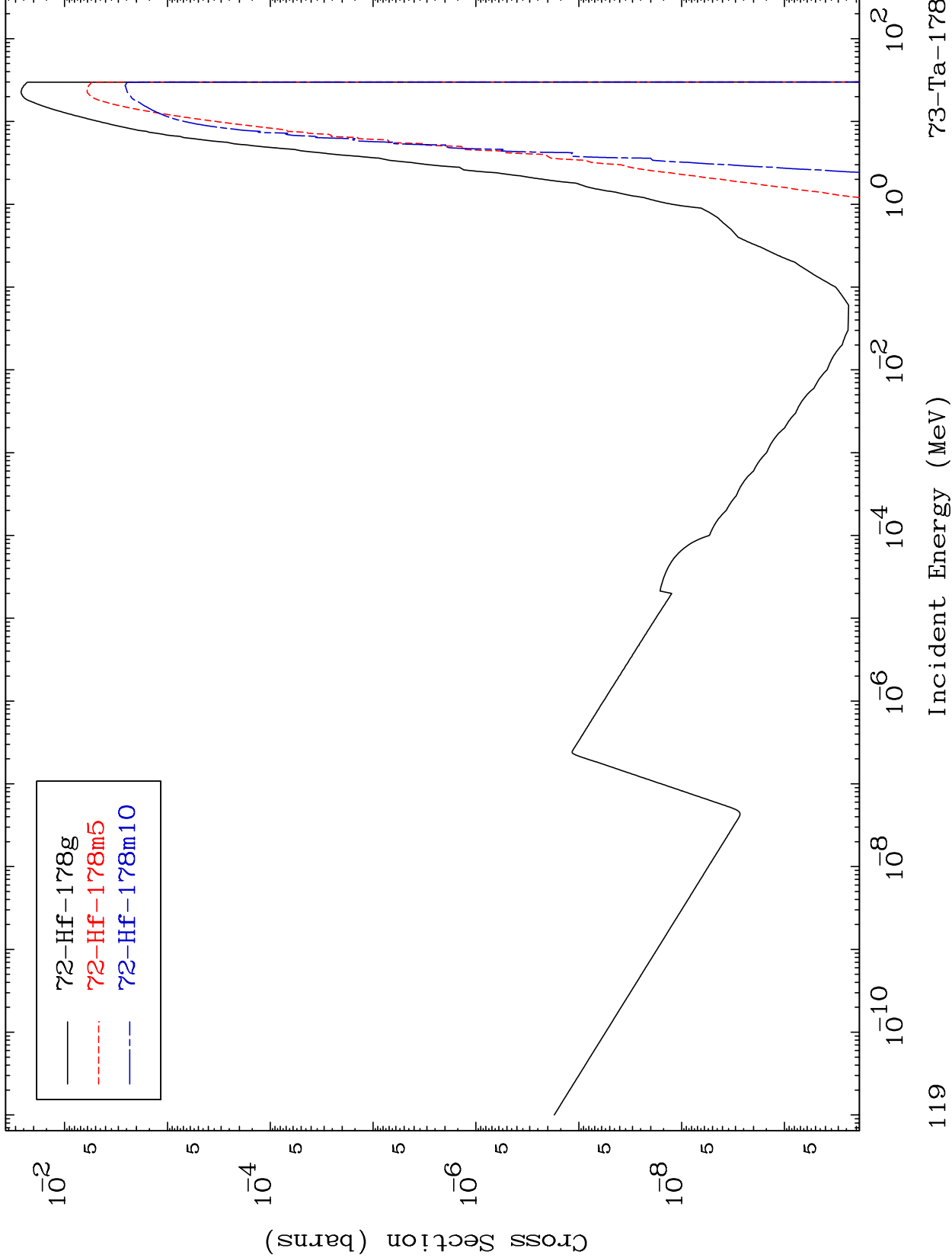
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

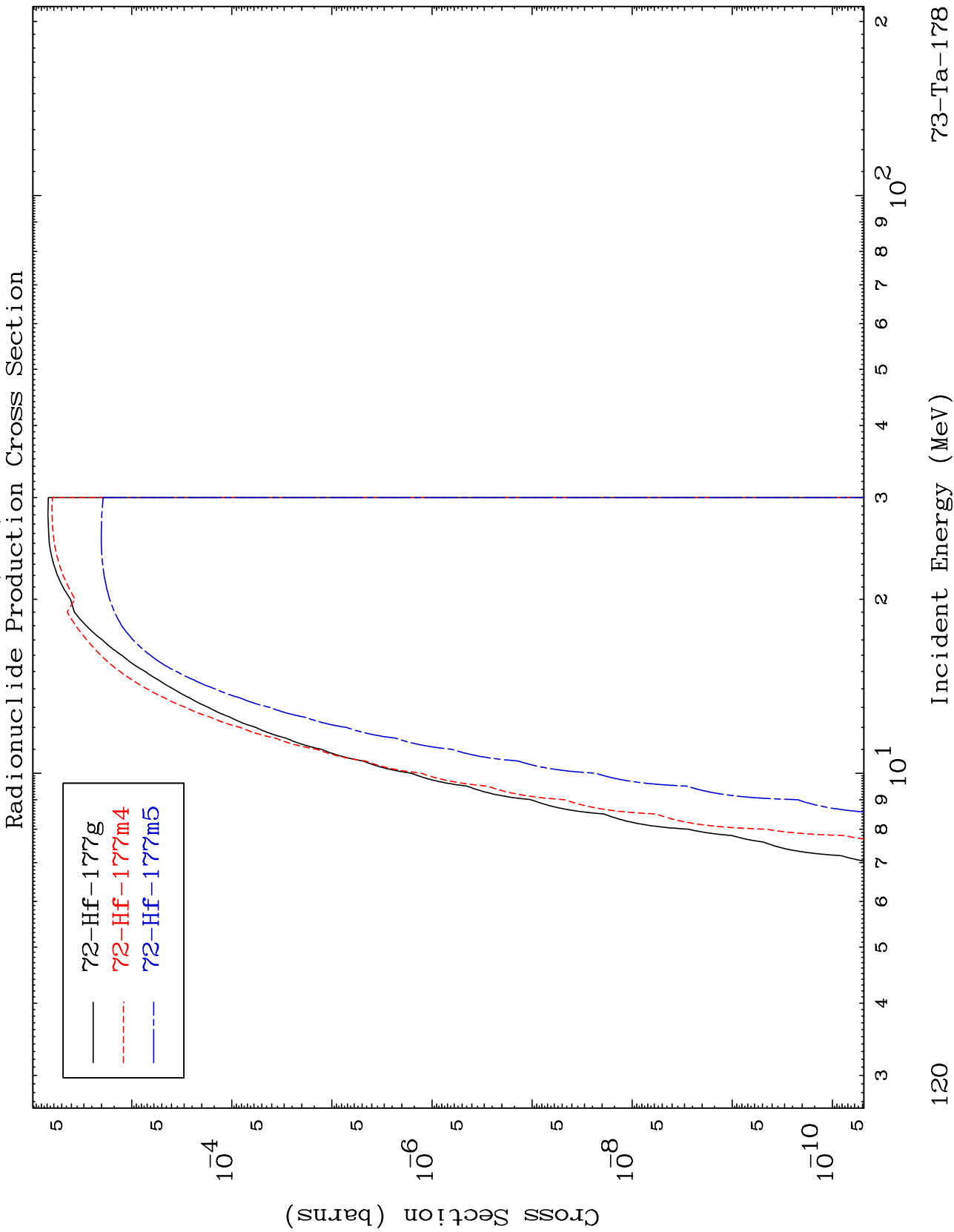
(n,p)
Radionuclide Production Cross Section

73-Ta-178



MAT 7319

⁷³Ta-178



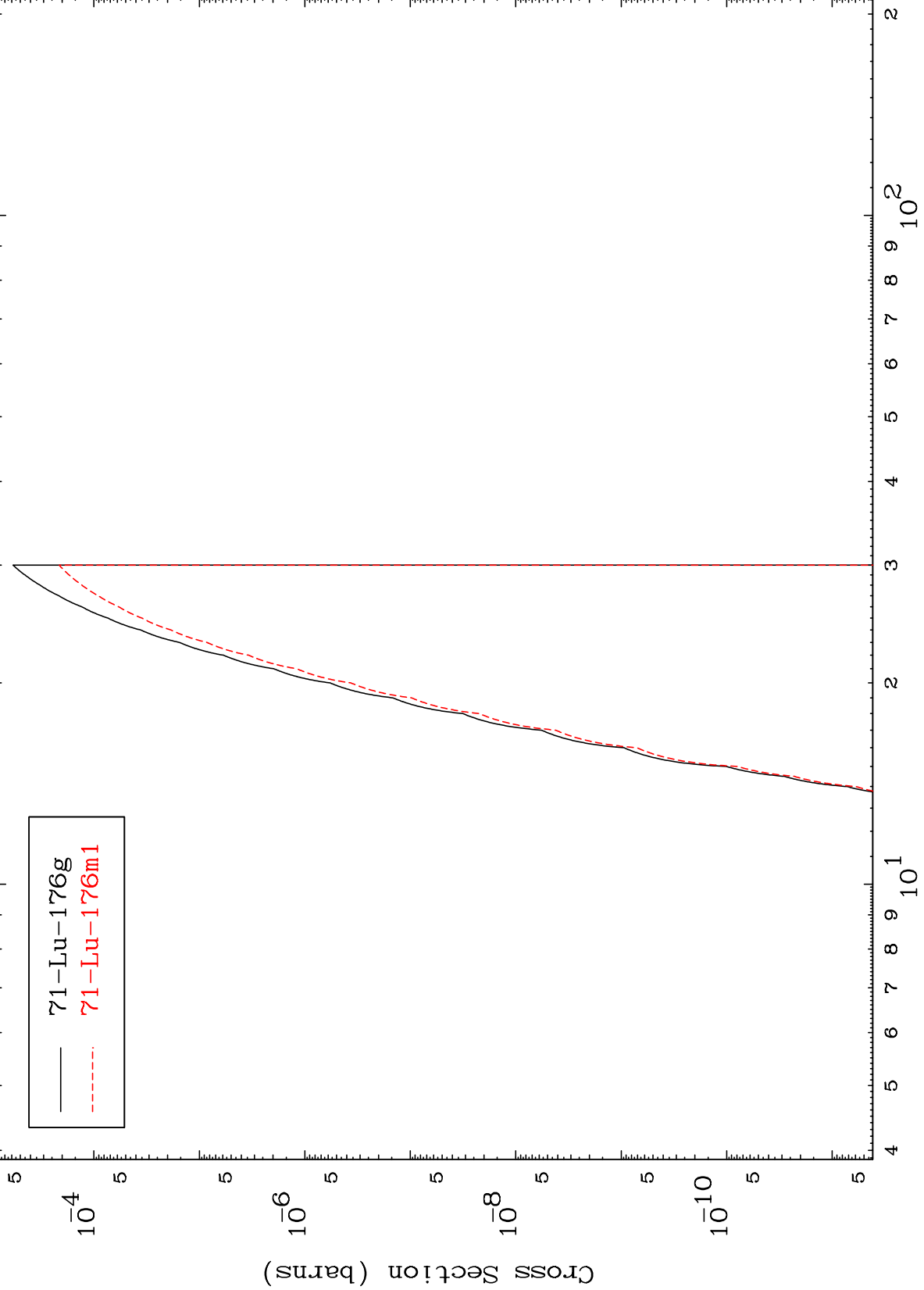
120

MAT 7319

(n,He-3)

73-Ta-178

Radionuclide Production Cross Section



121

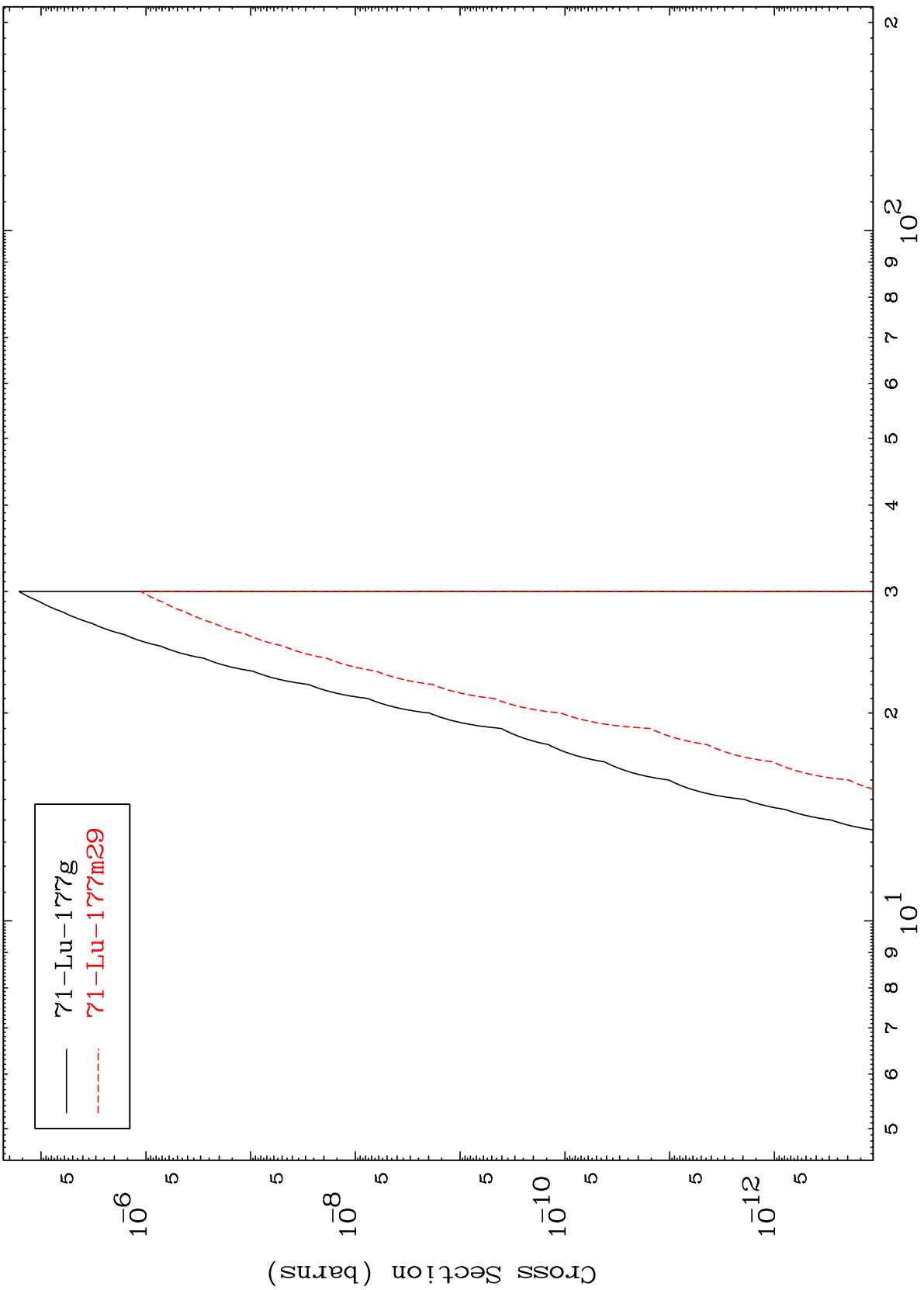
Incident Energy (MeV)

73-Ta-178

MAT 7319

⁷³Ta-178

Radionuclide Production Cross Section (n,2p)



122

Incident Energy (MeV)

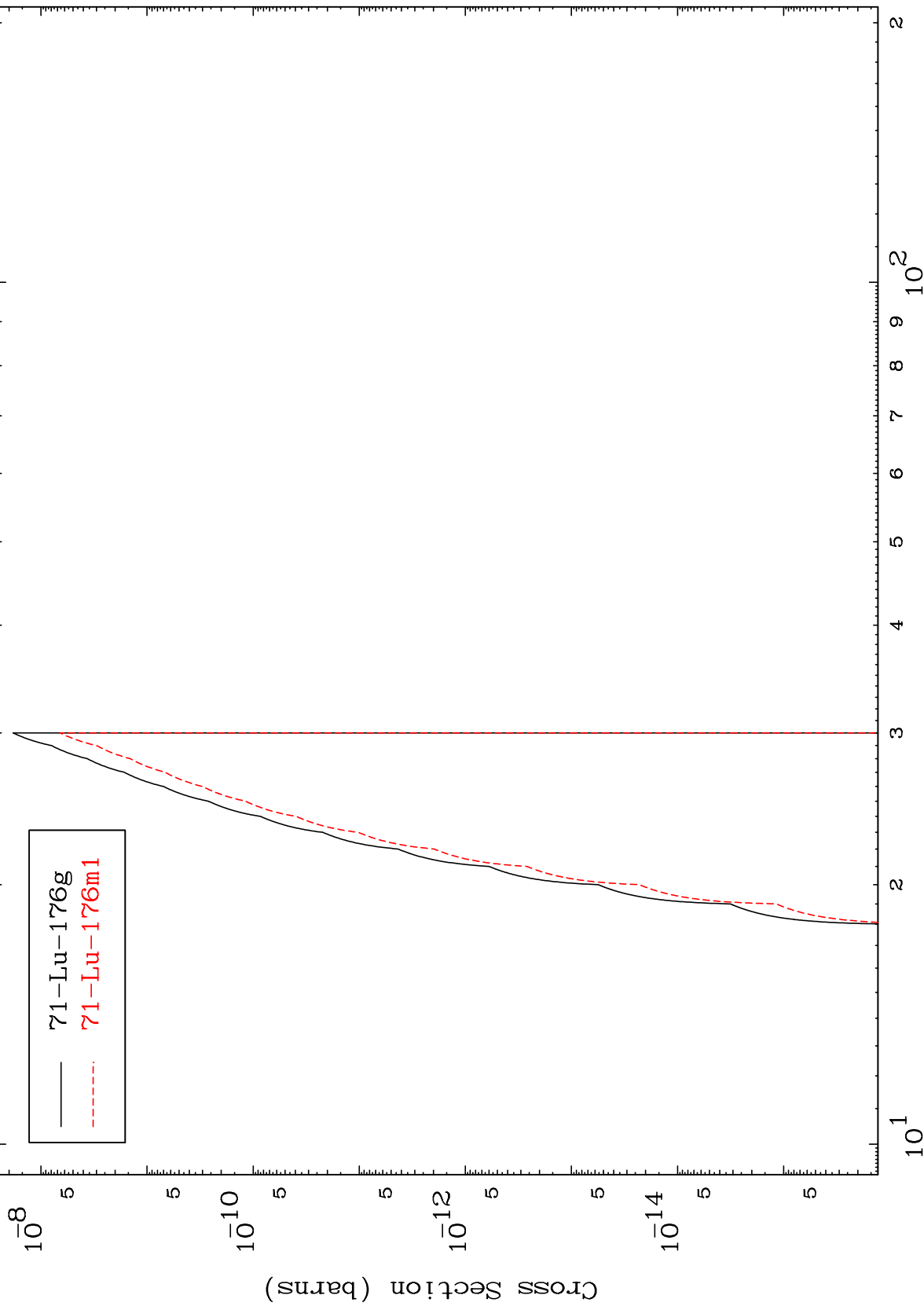
⁷³Ta-178

MAT 7319

(n,p) d

⁷³Ta-178

Radionuclide Production Cross Section



71-Lu-176g
71-Lu-176m1

Incident Energy (MeV)

⁷³Ta-178

123