

Program EVALPLOT
(Version 2018-1)

by

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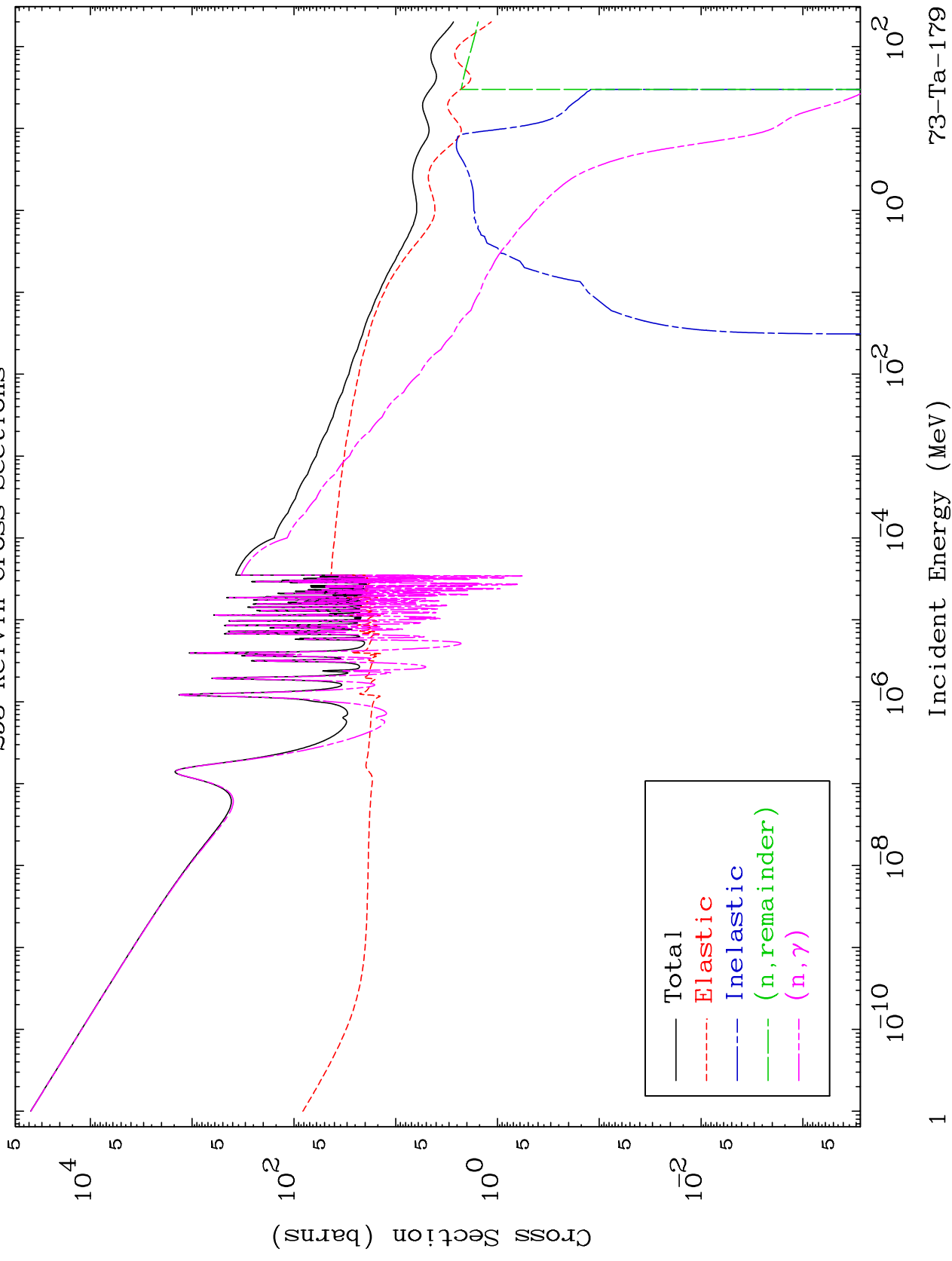
Press Mouse Button to Start

MAT 7322

Major

293 Kelvin Cross Sections

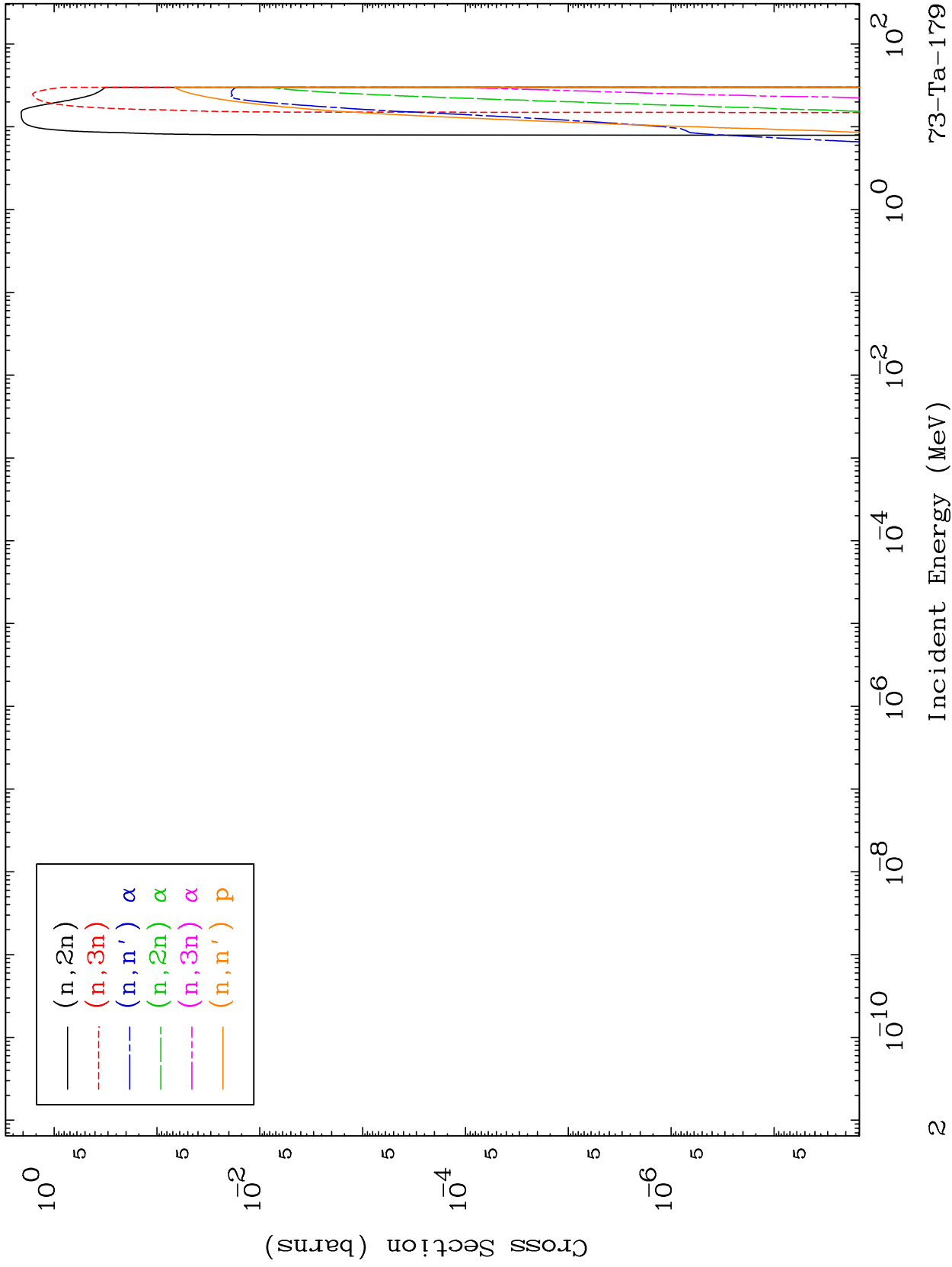
73-Ta-179

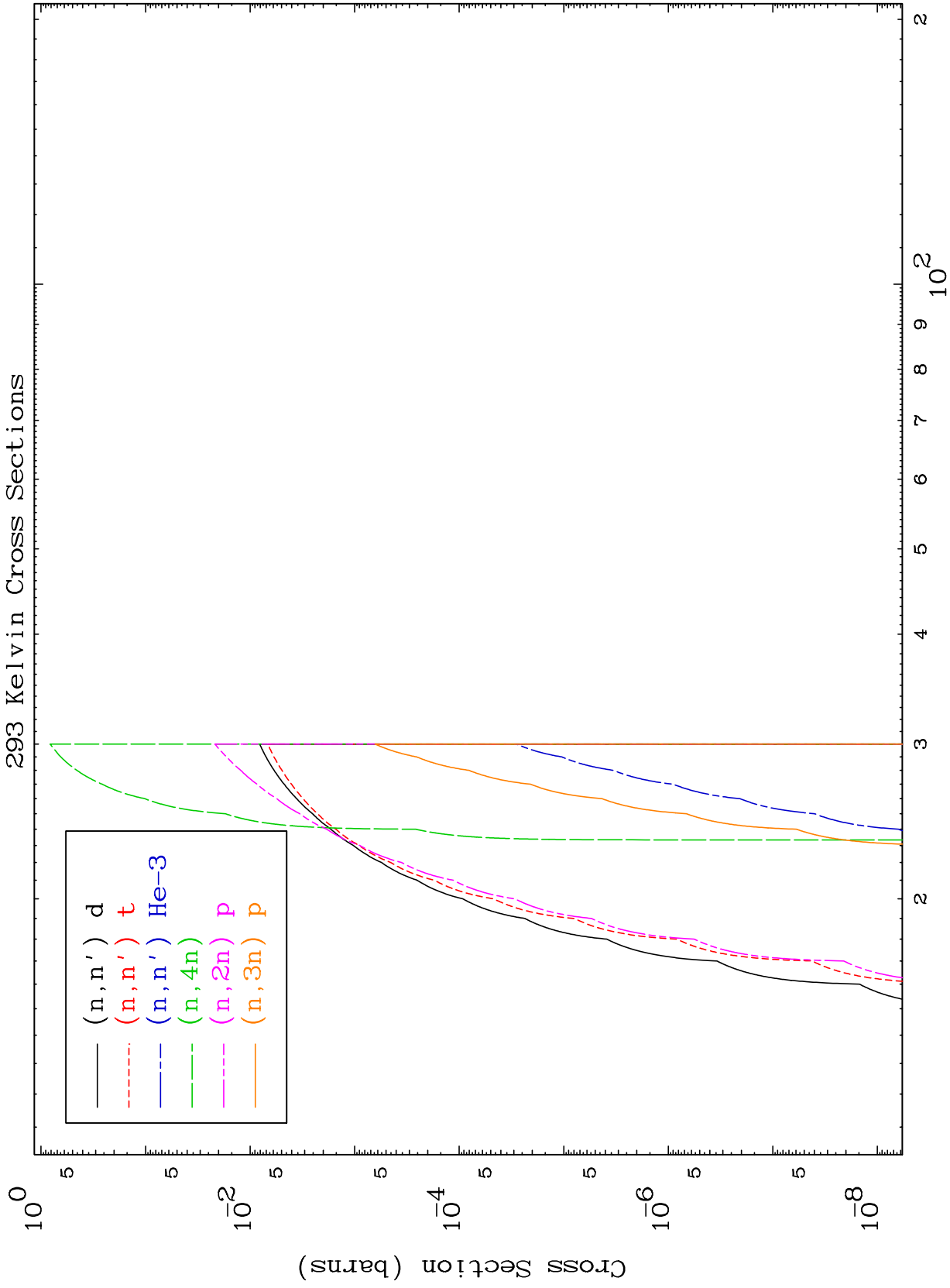


MAT 7322

Neutron Production
293 Kelvin Cross Sections

73-Ta-179

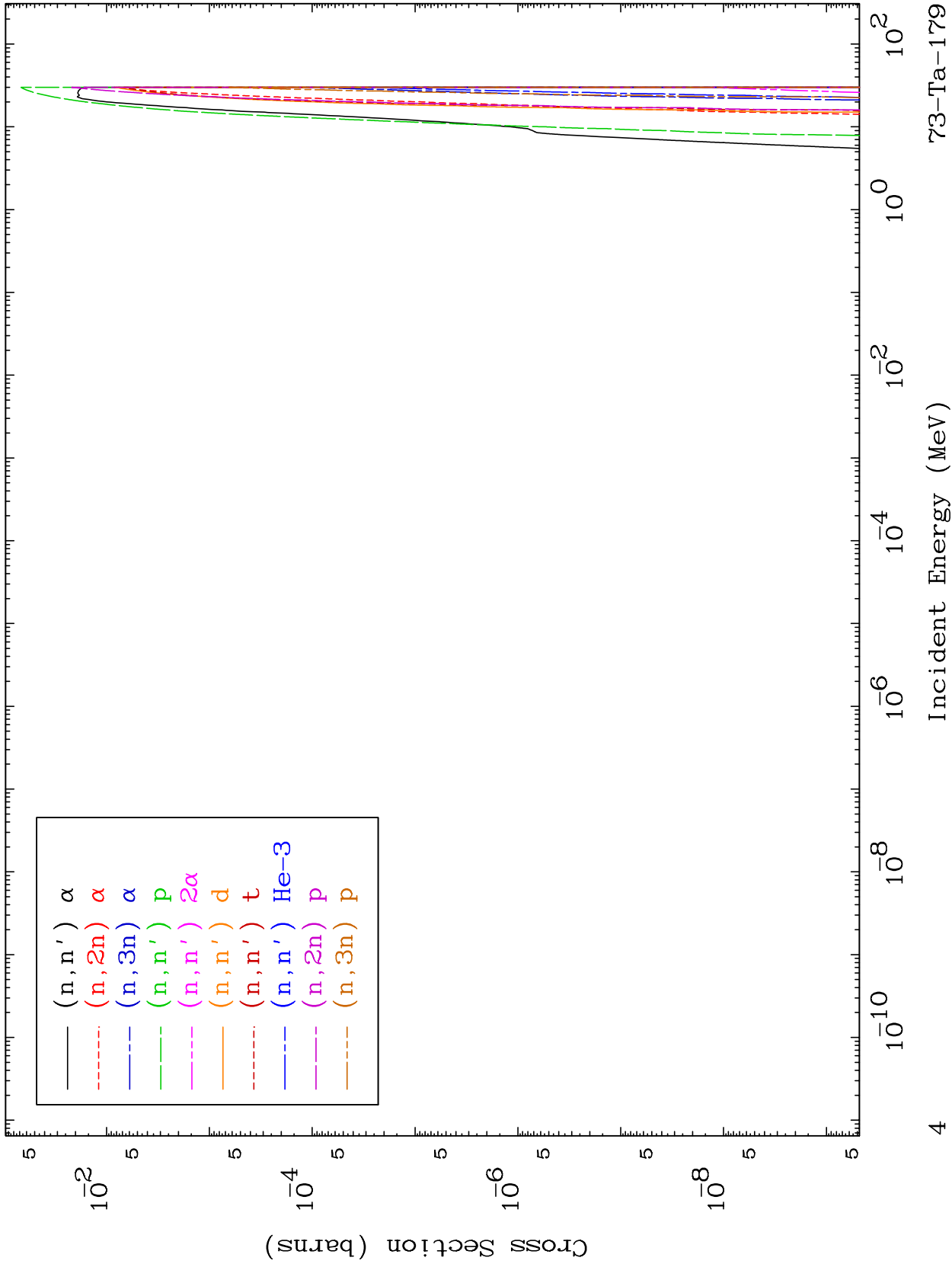




MAT 7322

Charged Particle
293 Kelvin Cross Sections

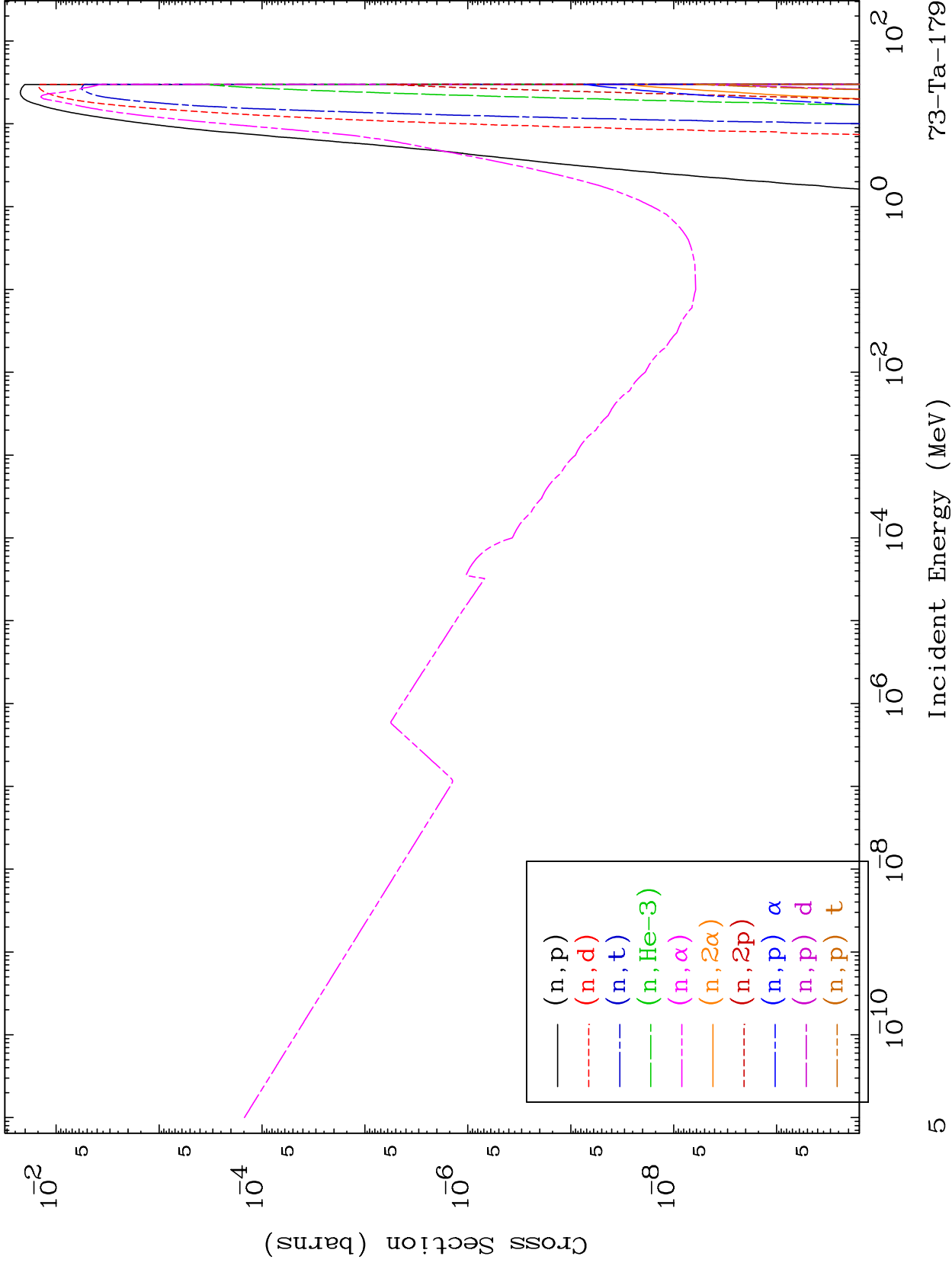
73-Ta-179



MAT 7322

Charged Particle
293 Kelvin Cross Sections

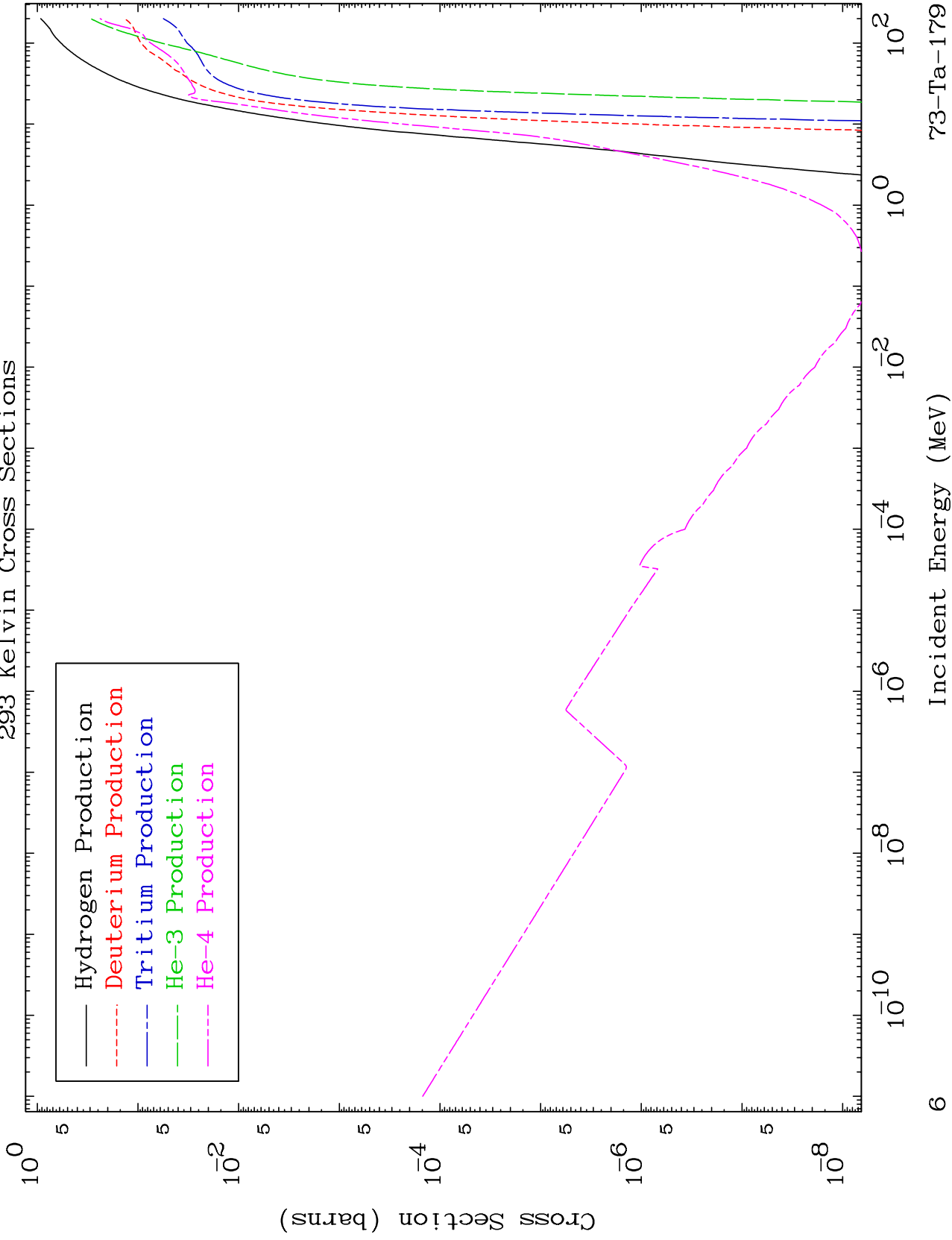
73-Ta-179

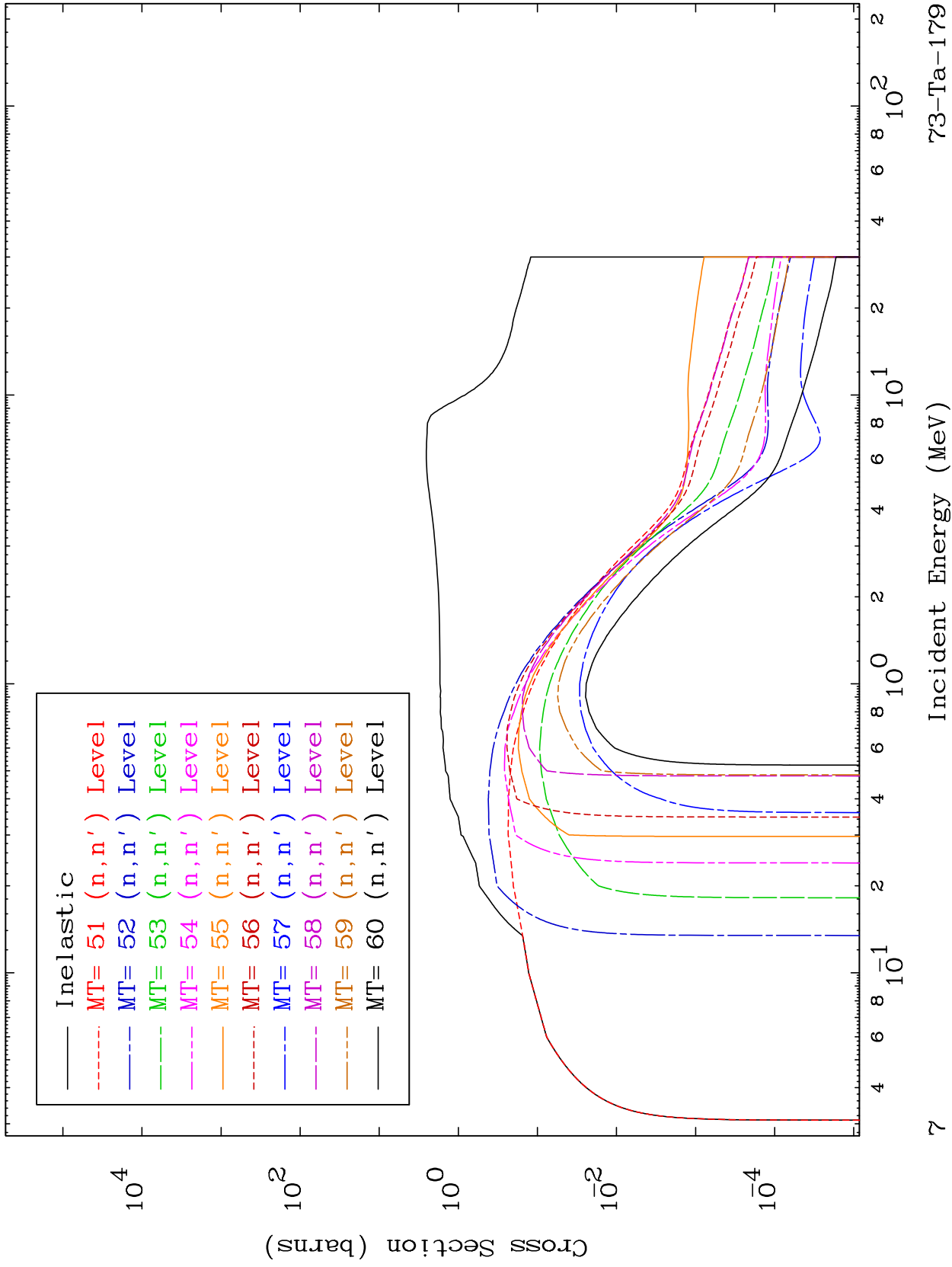


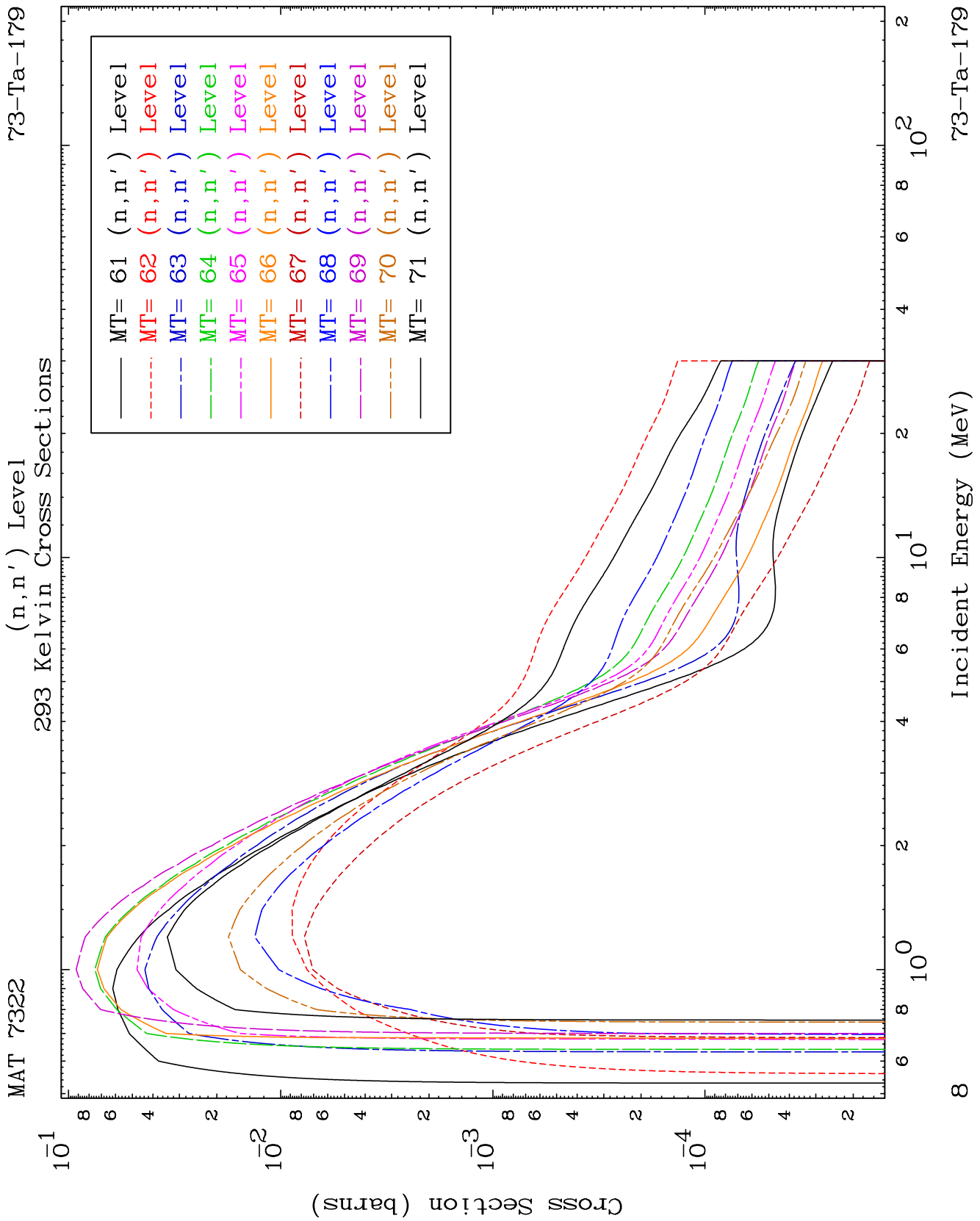
MAT 7322

Particle Production
293 Kelvin Cross Sections

73-Ta-179





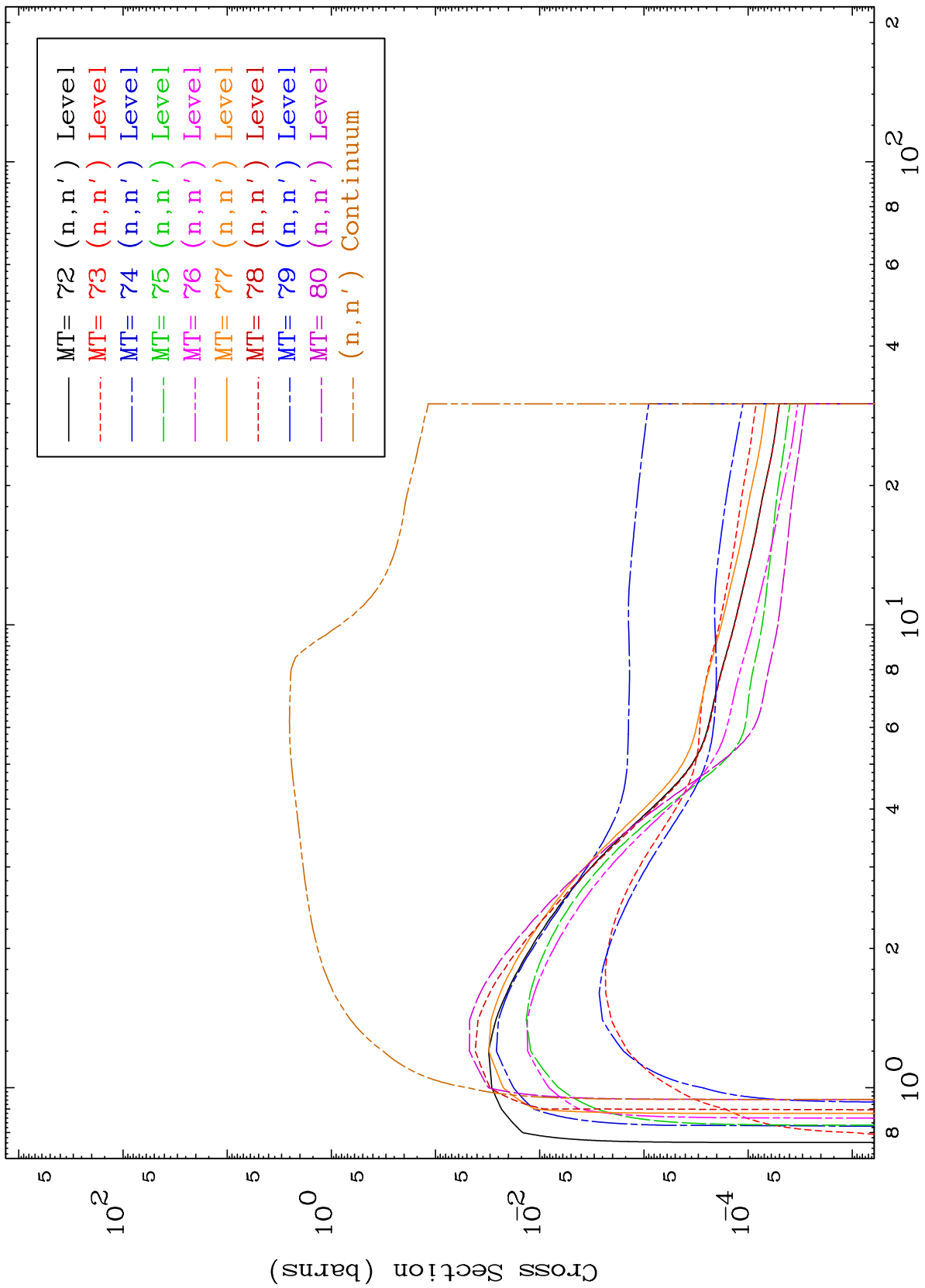


MAT 7322

(n,n') Level

73-Ta-179

293 Kelvin Cross Sections



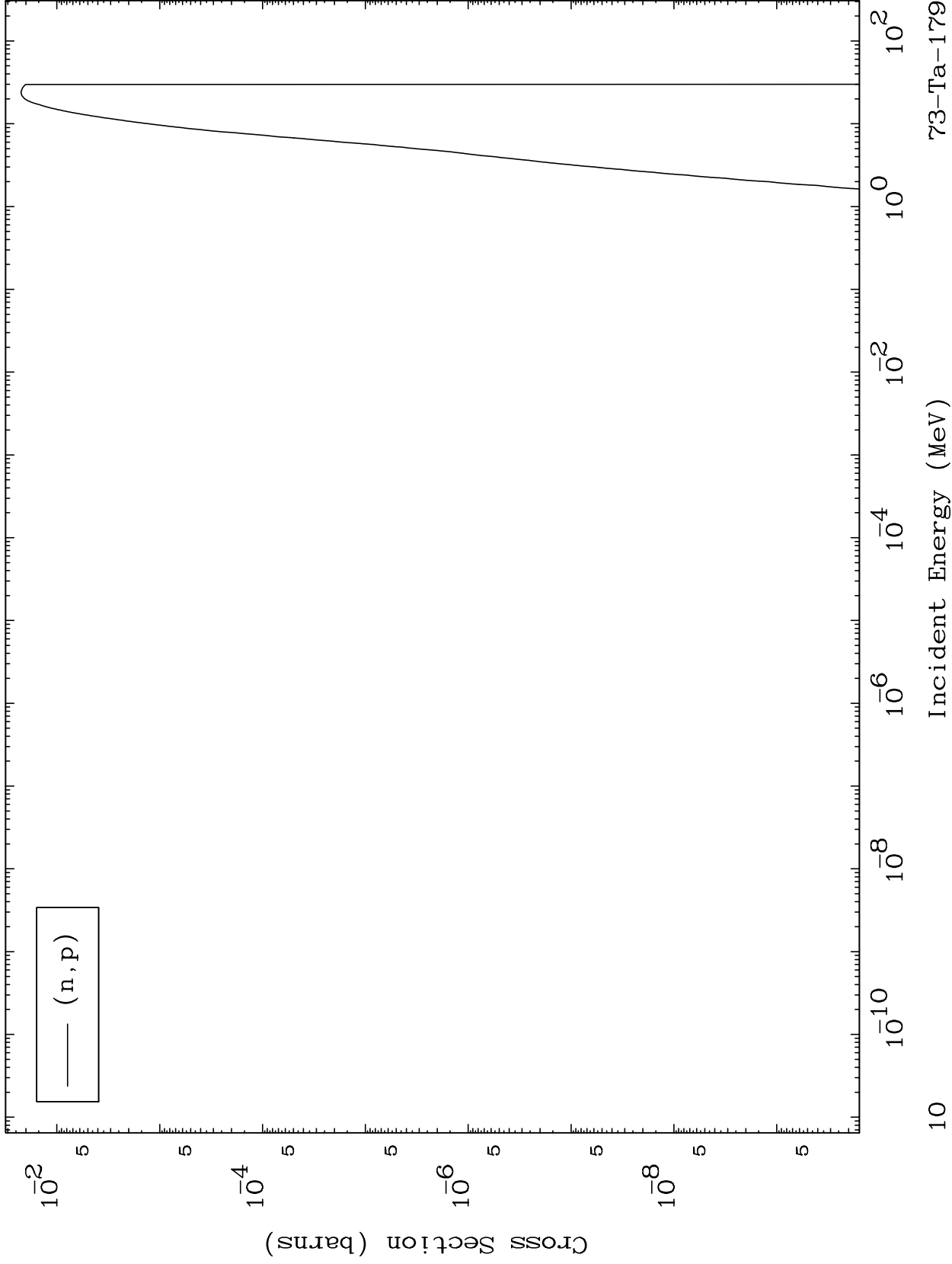
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-179



10

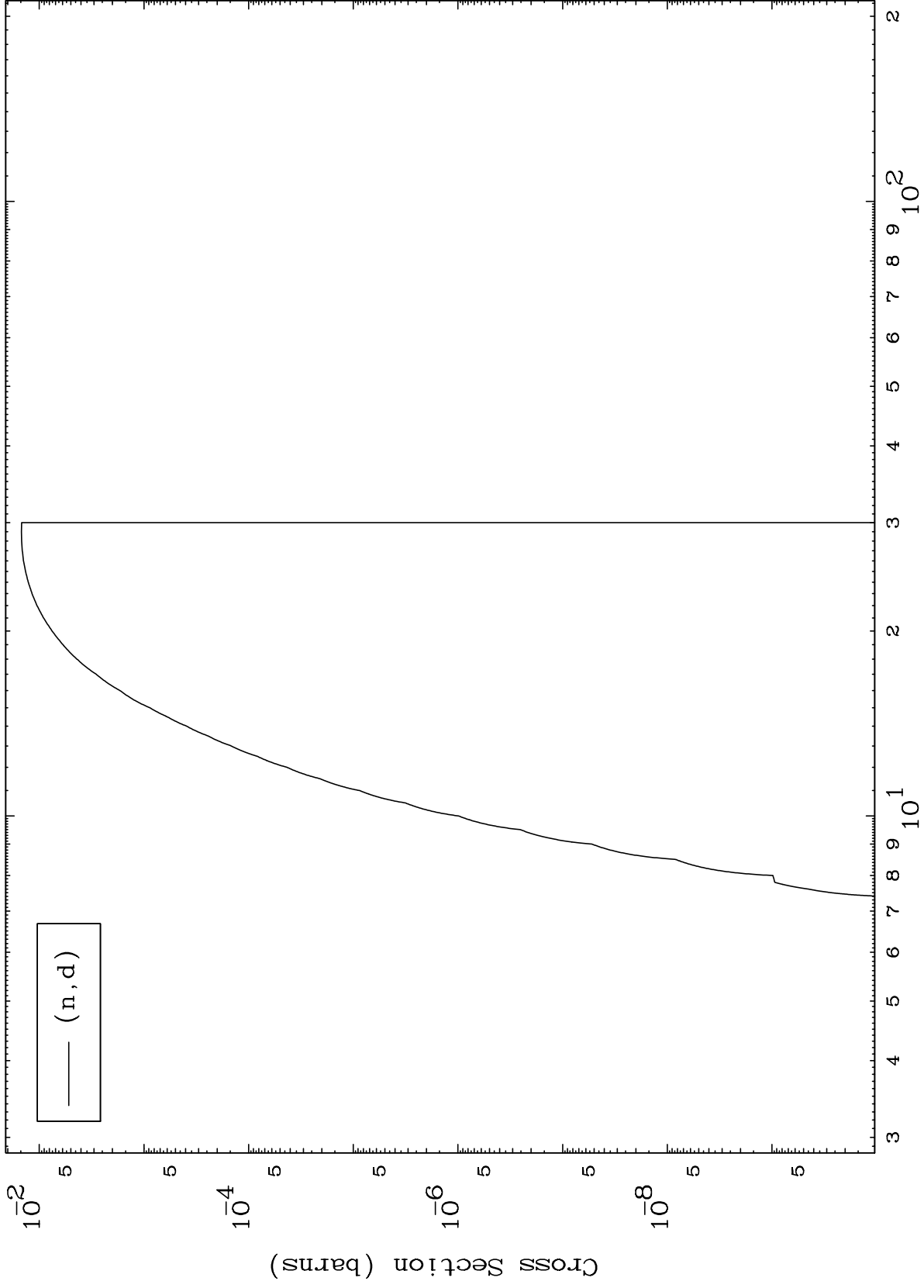
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-179



11

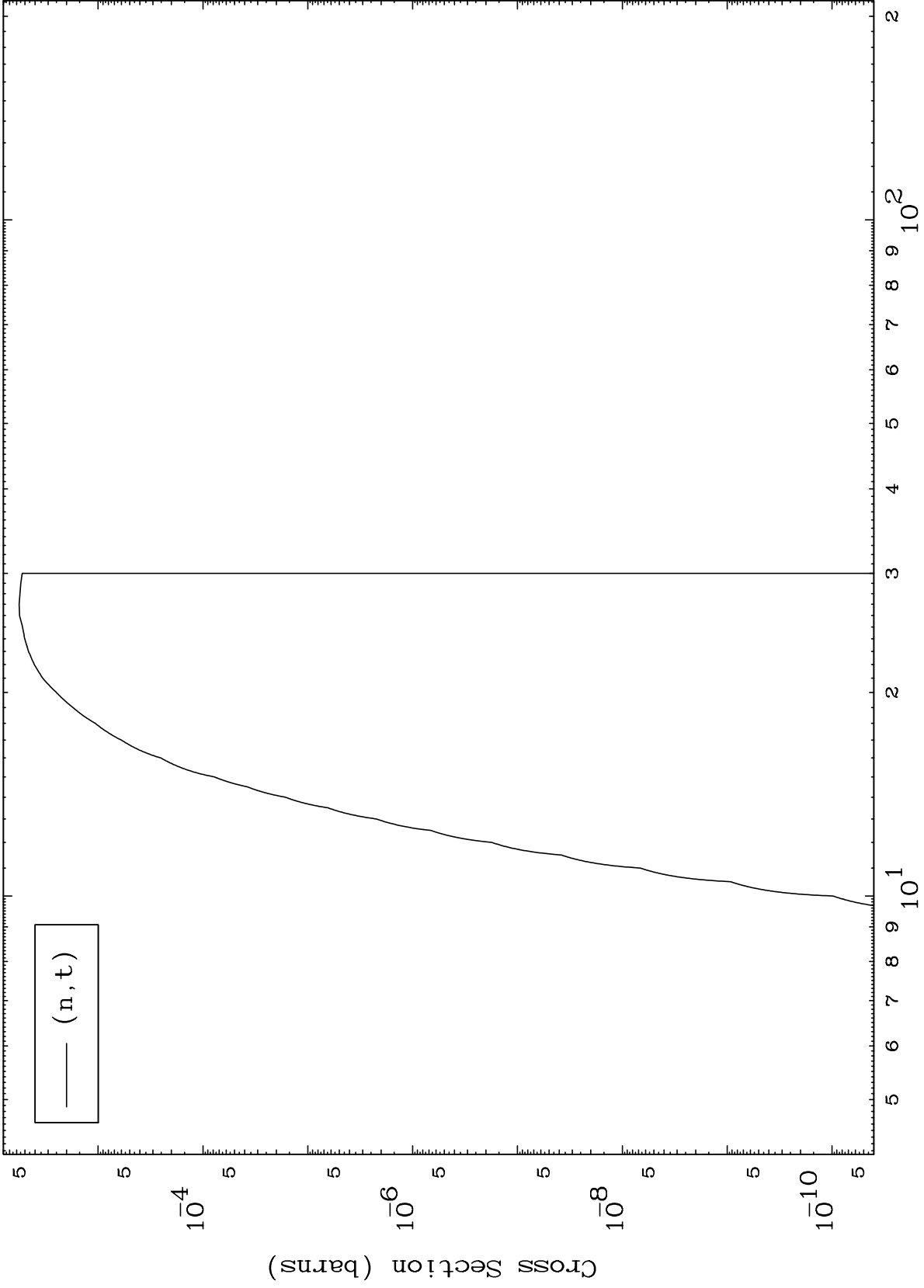
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-179



12

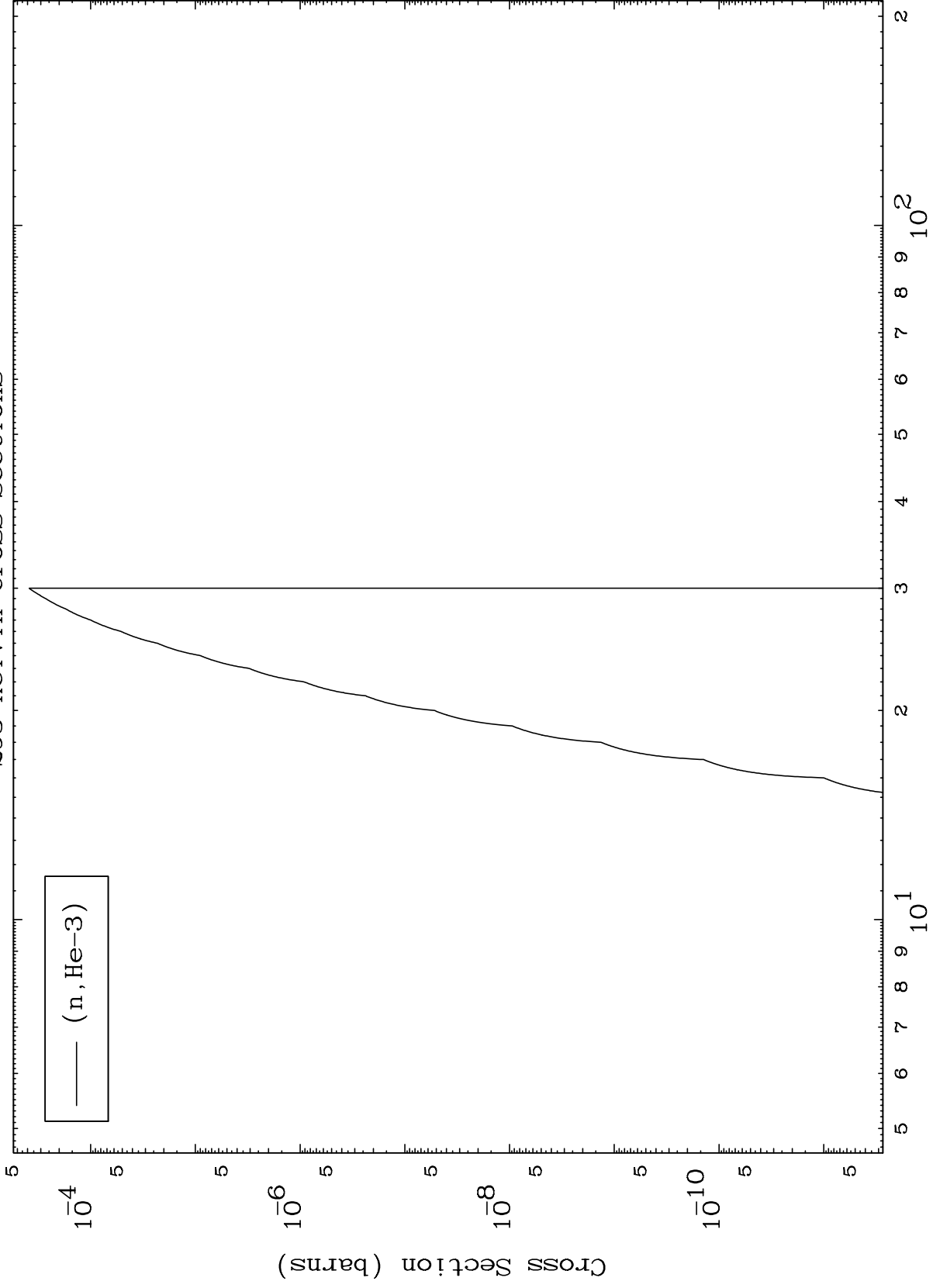
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-179



13

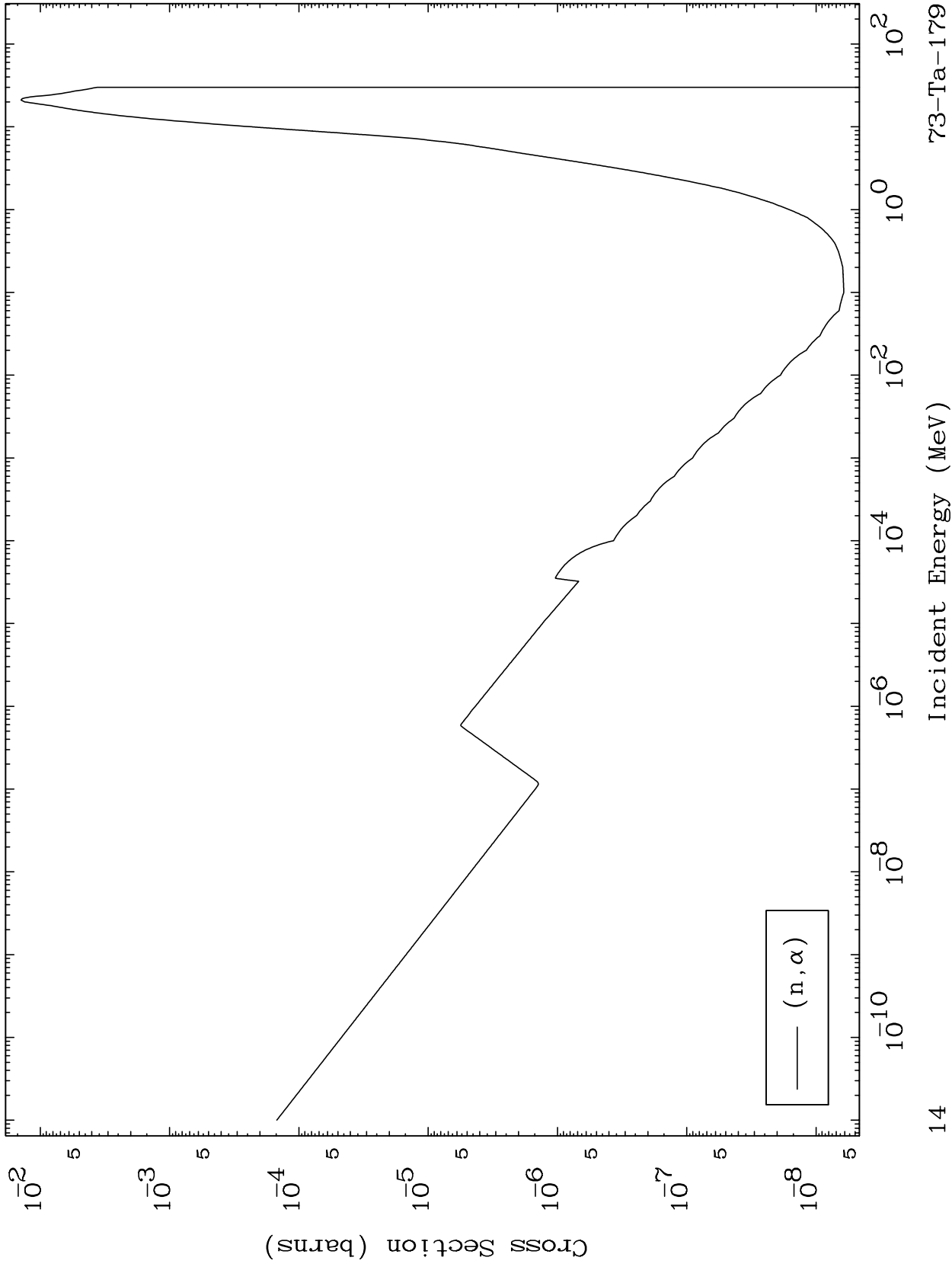
Incident Energy (MeV)

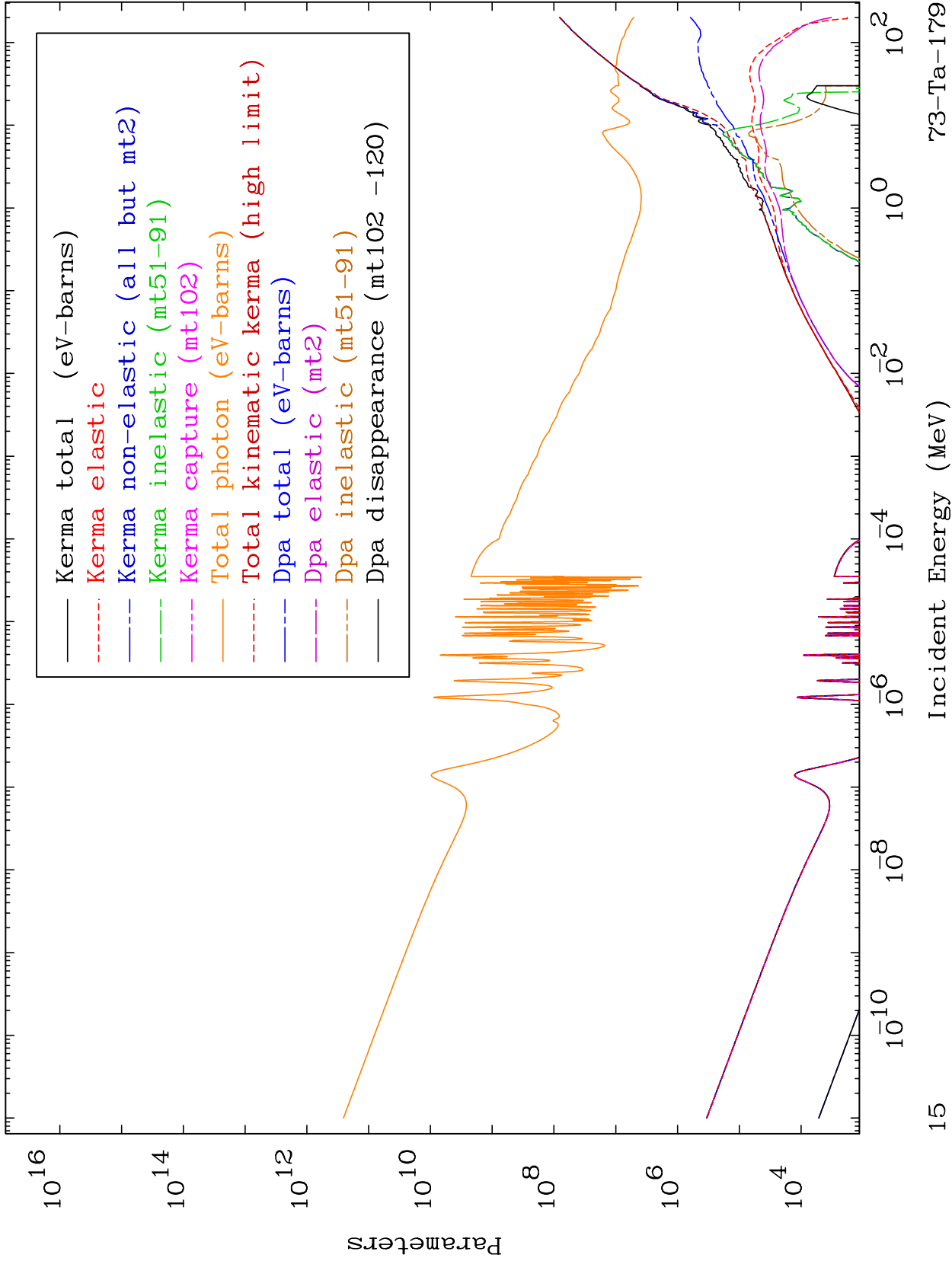
73-Ta-179

MAT 7322

(n,α) Levels
293 Kelvin Cross Sections

73-Ta-179

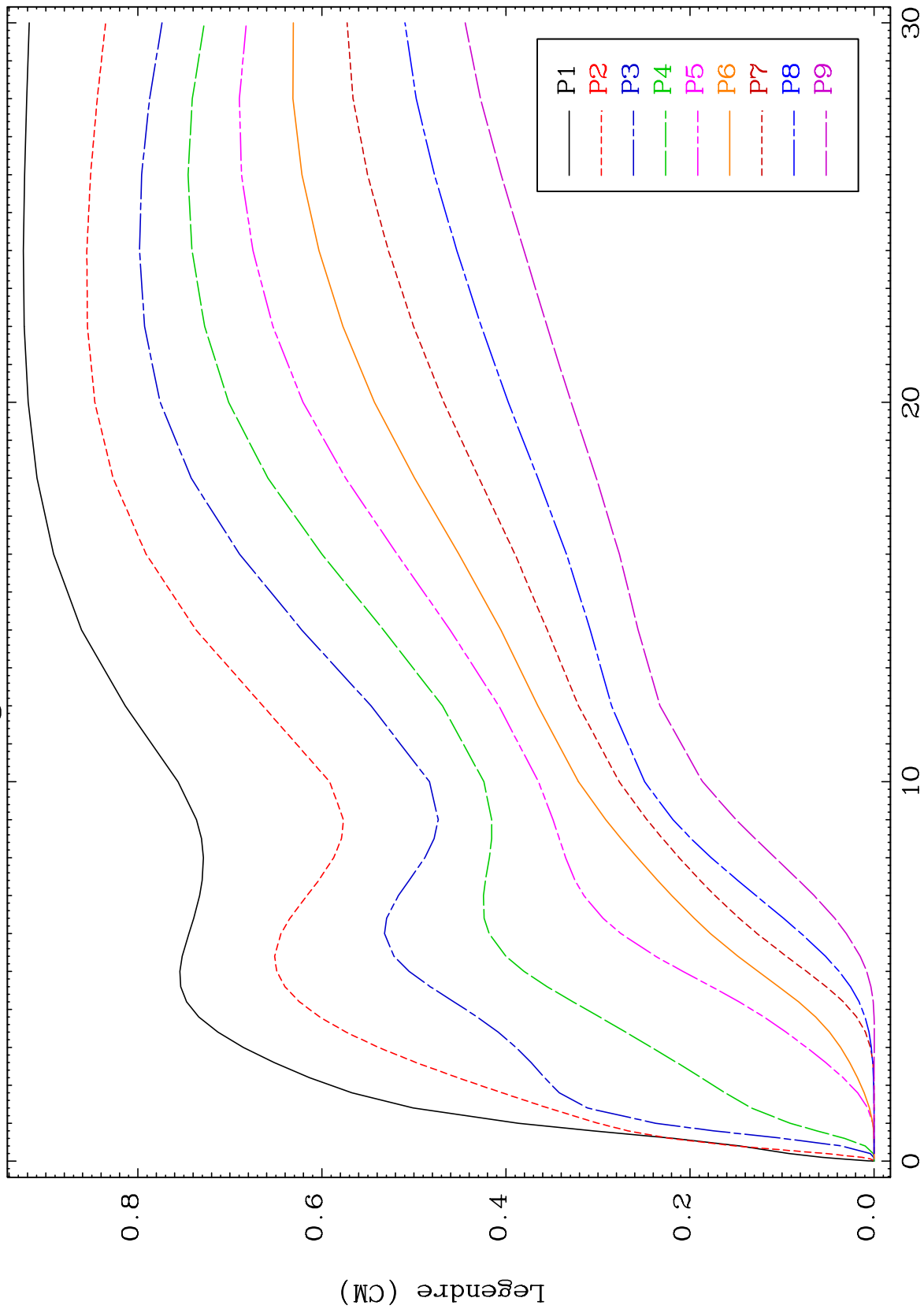




MAT 7322

Elastic Legendre Coefficients

⁷³Ta-179



16

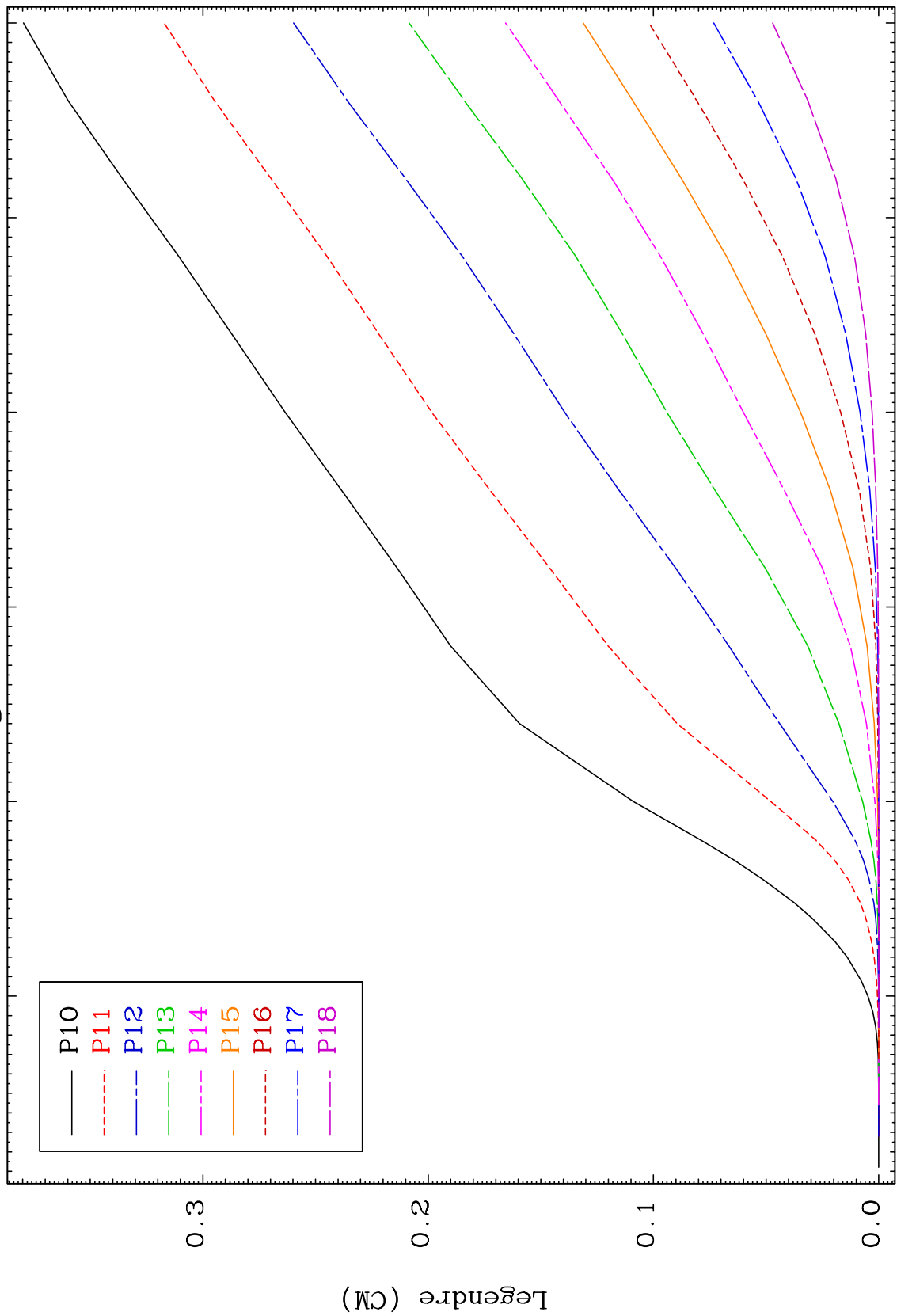
Incident Energy (MeV)

⁷³Ta-179

MAT 7322

Elastic Legendre Coefficients

⁷³Ta-179



17

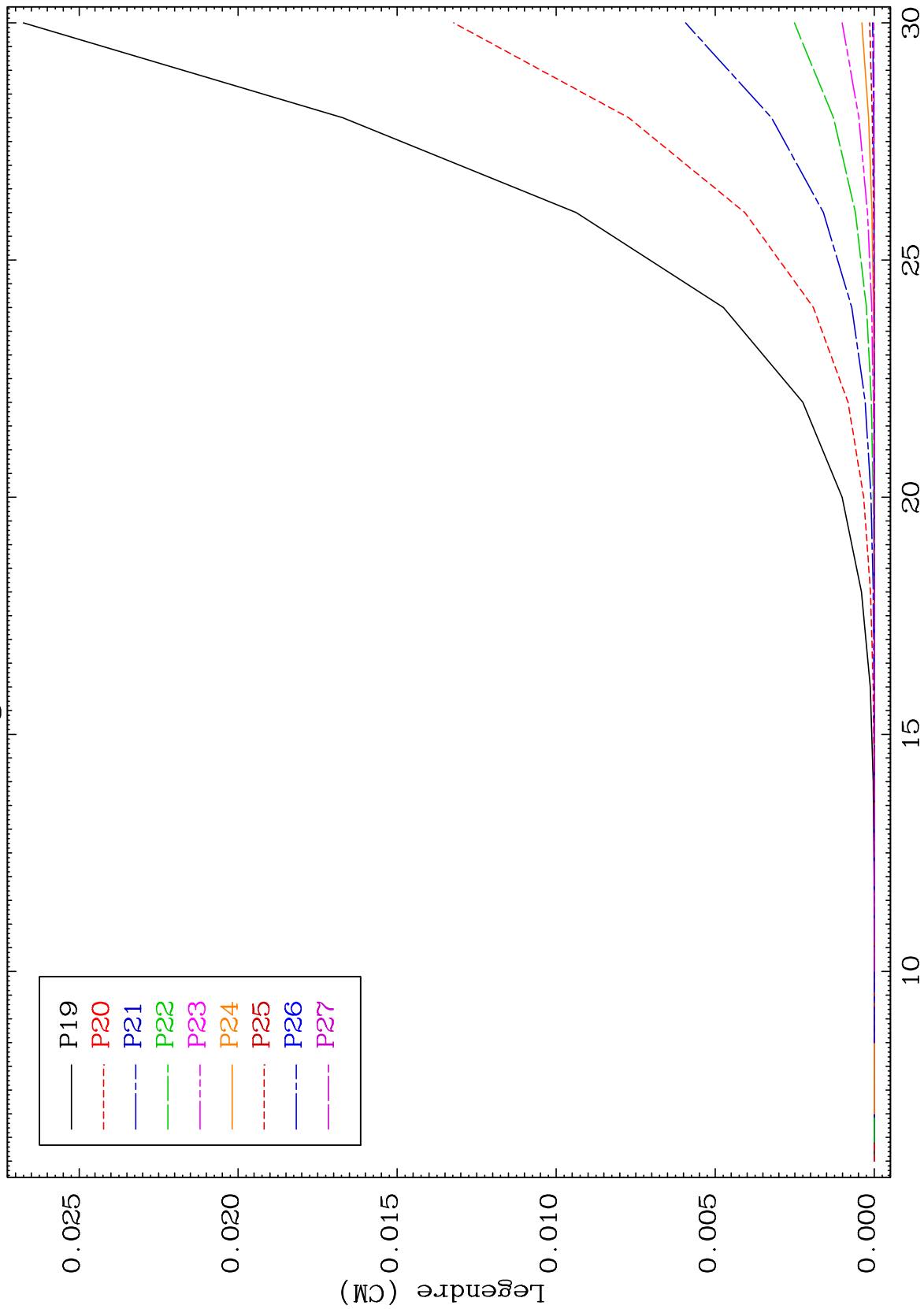
Incident Energy (MeV)

⁷³Ta-179

MAT 7322

Elastic Legendre Coefficients

73-Ta-179



18

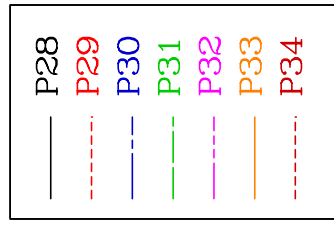
Incident Energy (MeV)

73-Ta-179

MAT 7322

Elastic Legendre Coefficients

⁷³Ta-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

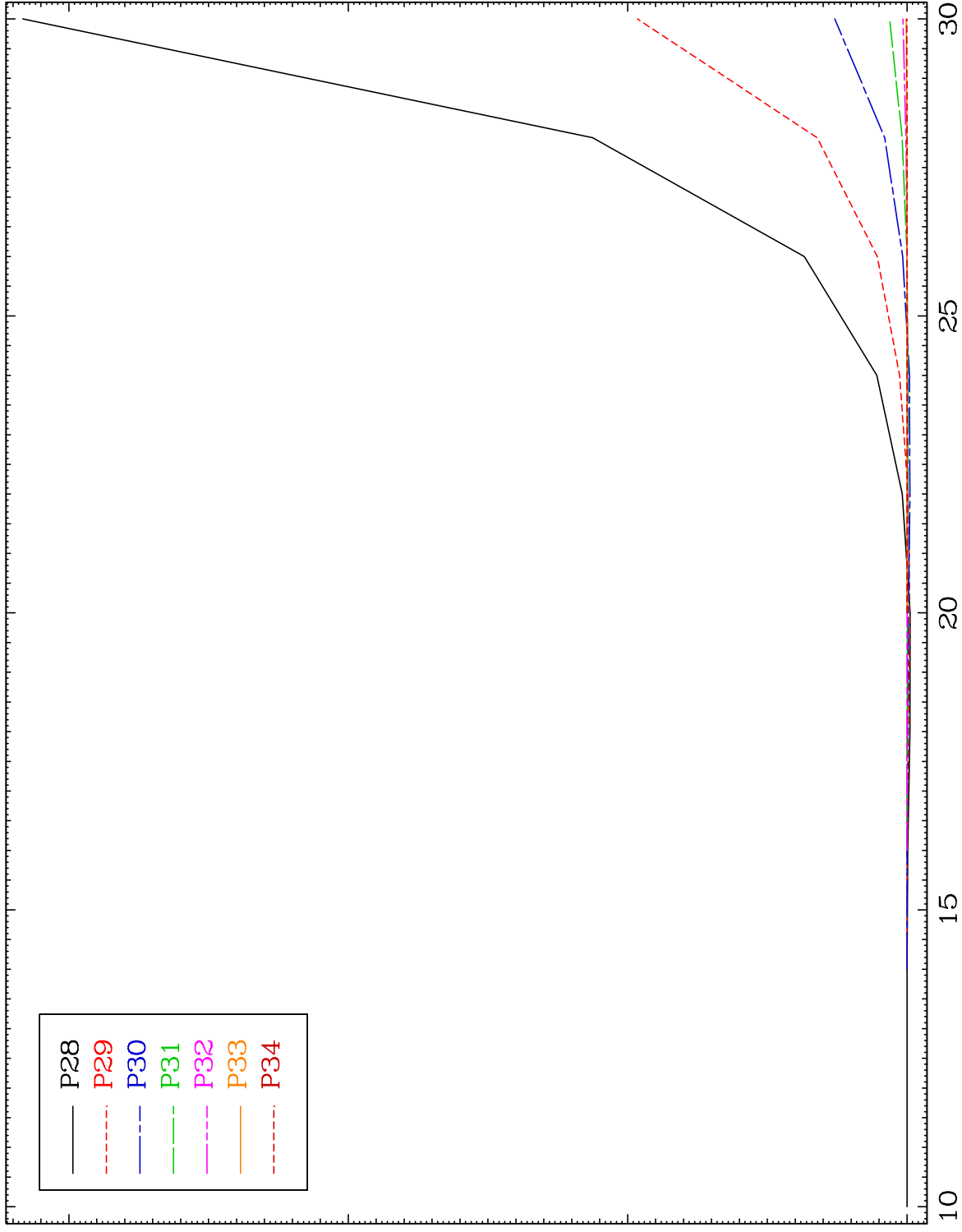
25

30

19

Incident Energy (MeV)

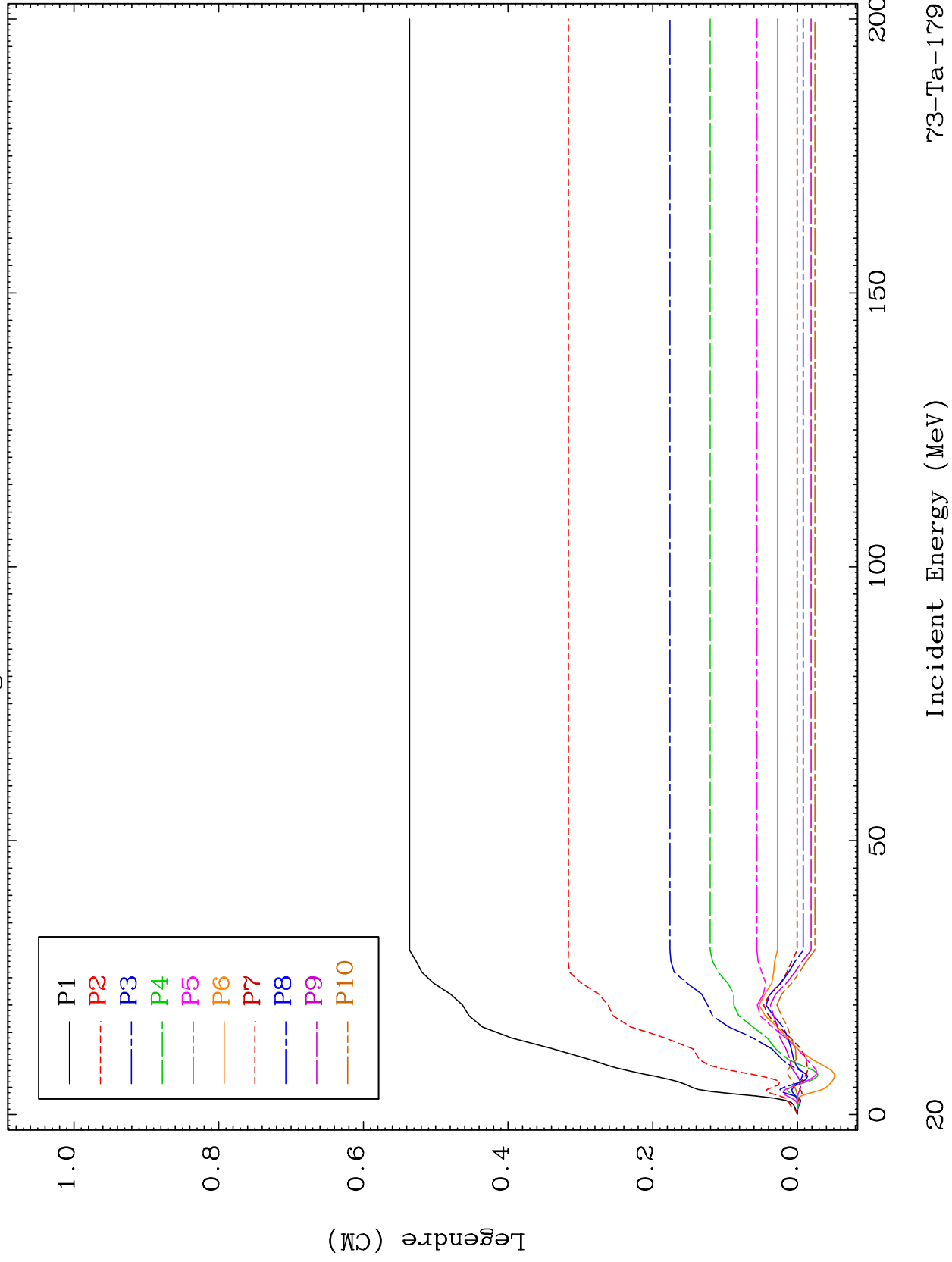
⁷³Ta-179



MAT 7322

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

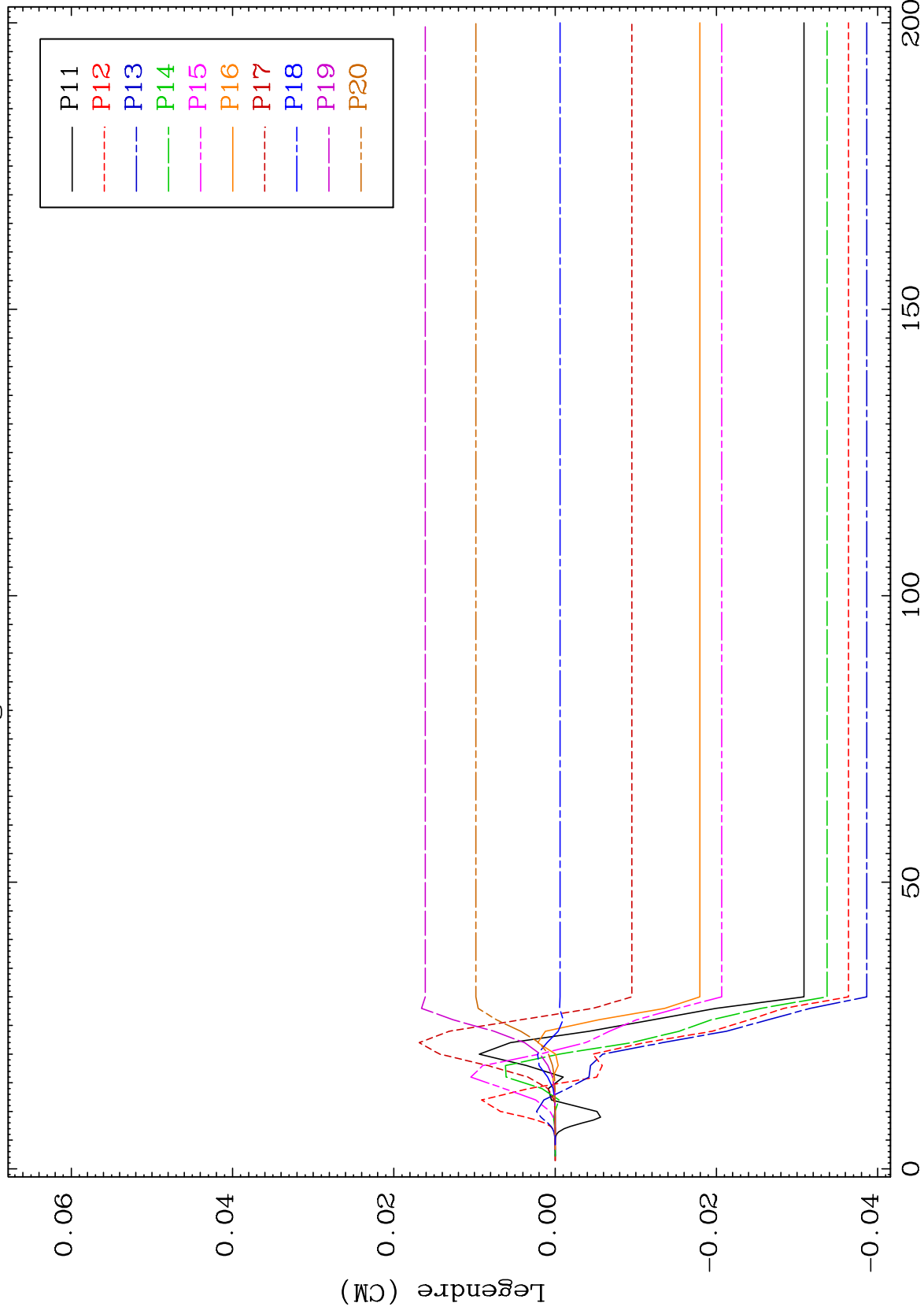
⁷³Ta-179



MAT 7322

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

73-Ta-179



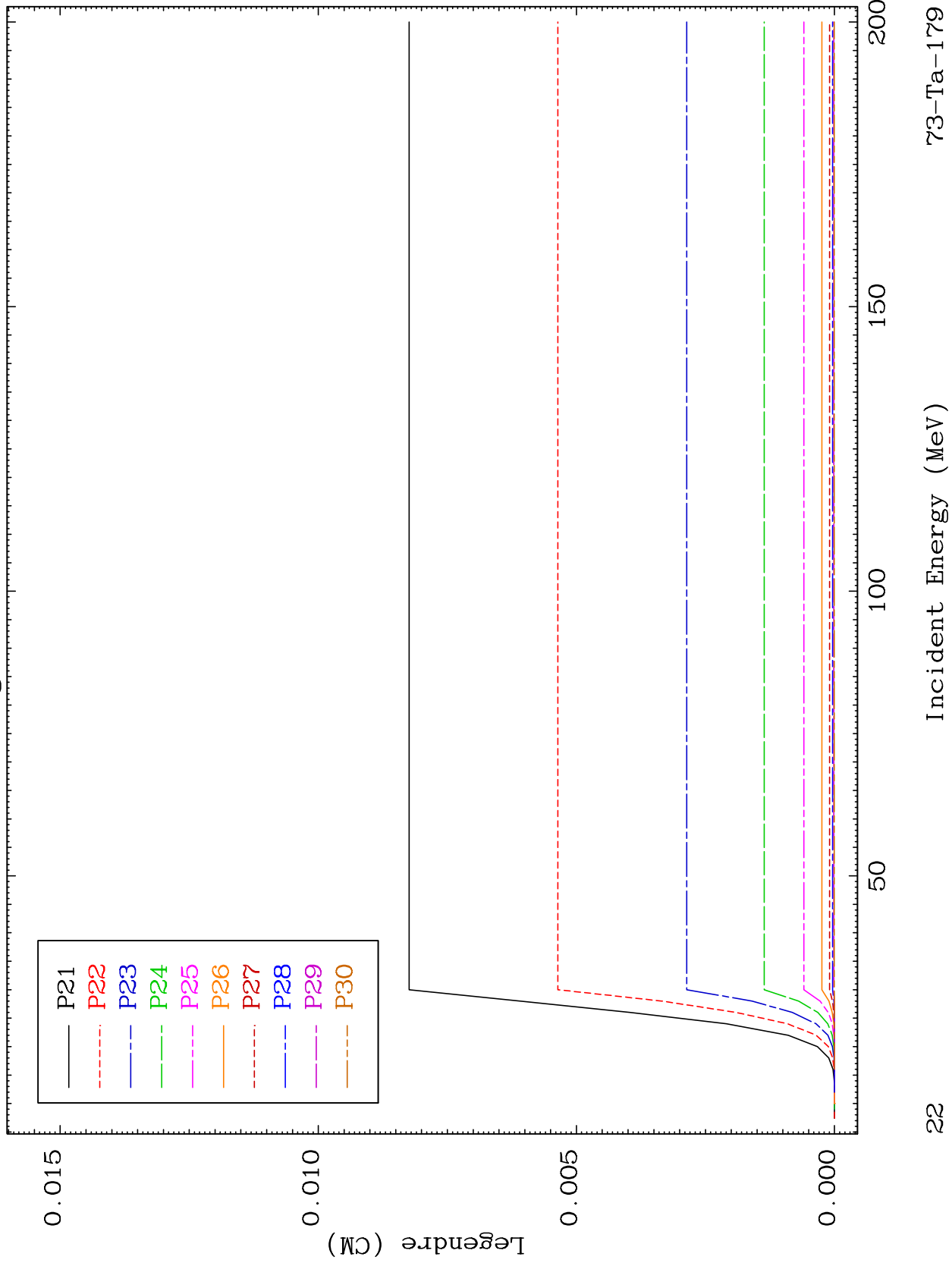
21

73-Ta-179

MAT 7322

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

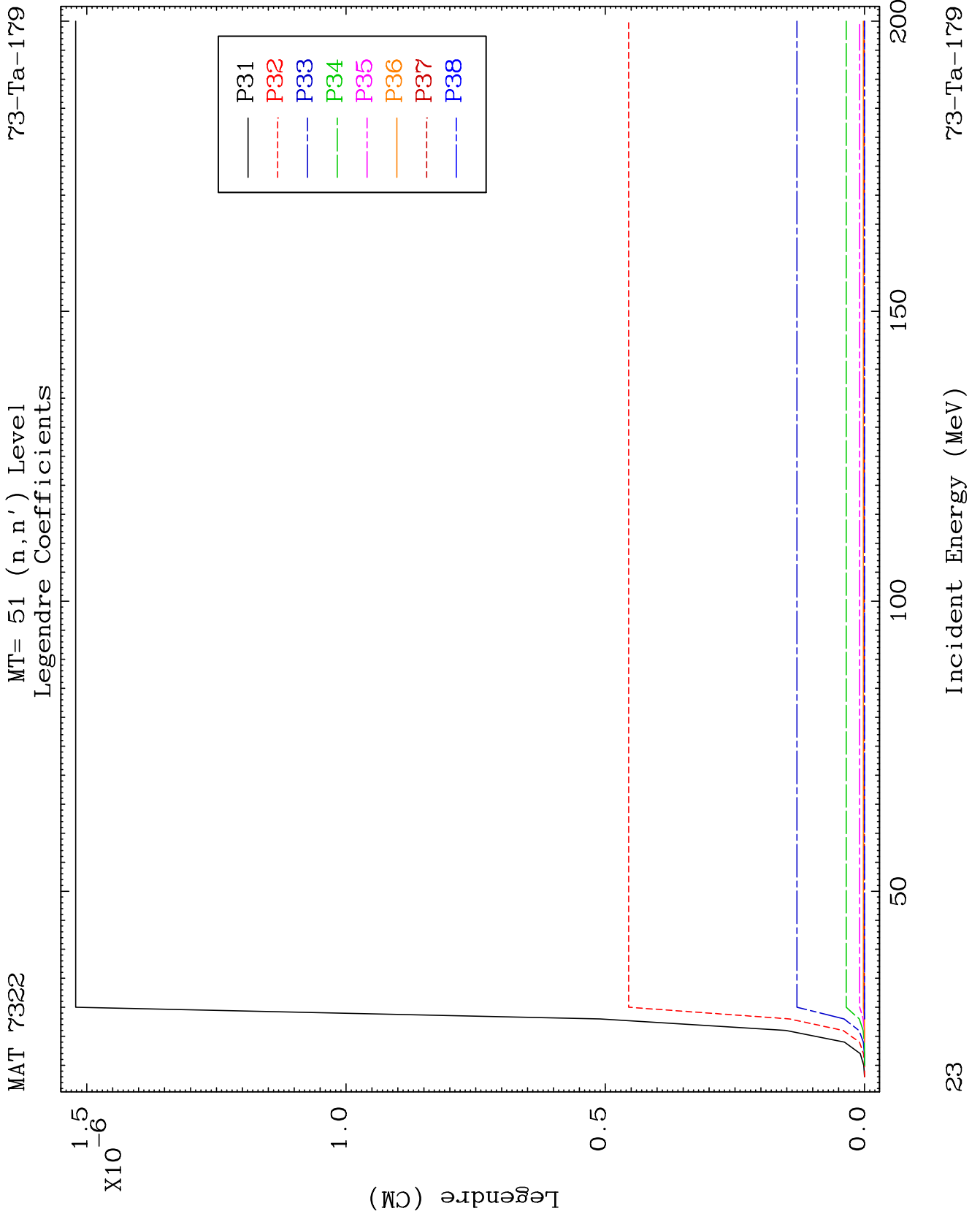
73-Ta-179



22

Incident Energy (MeV)

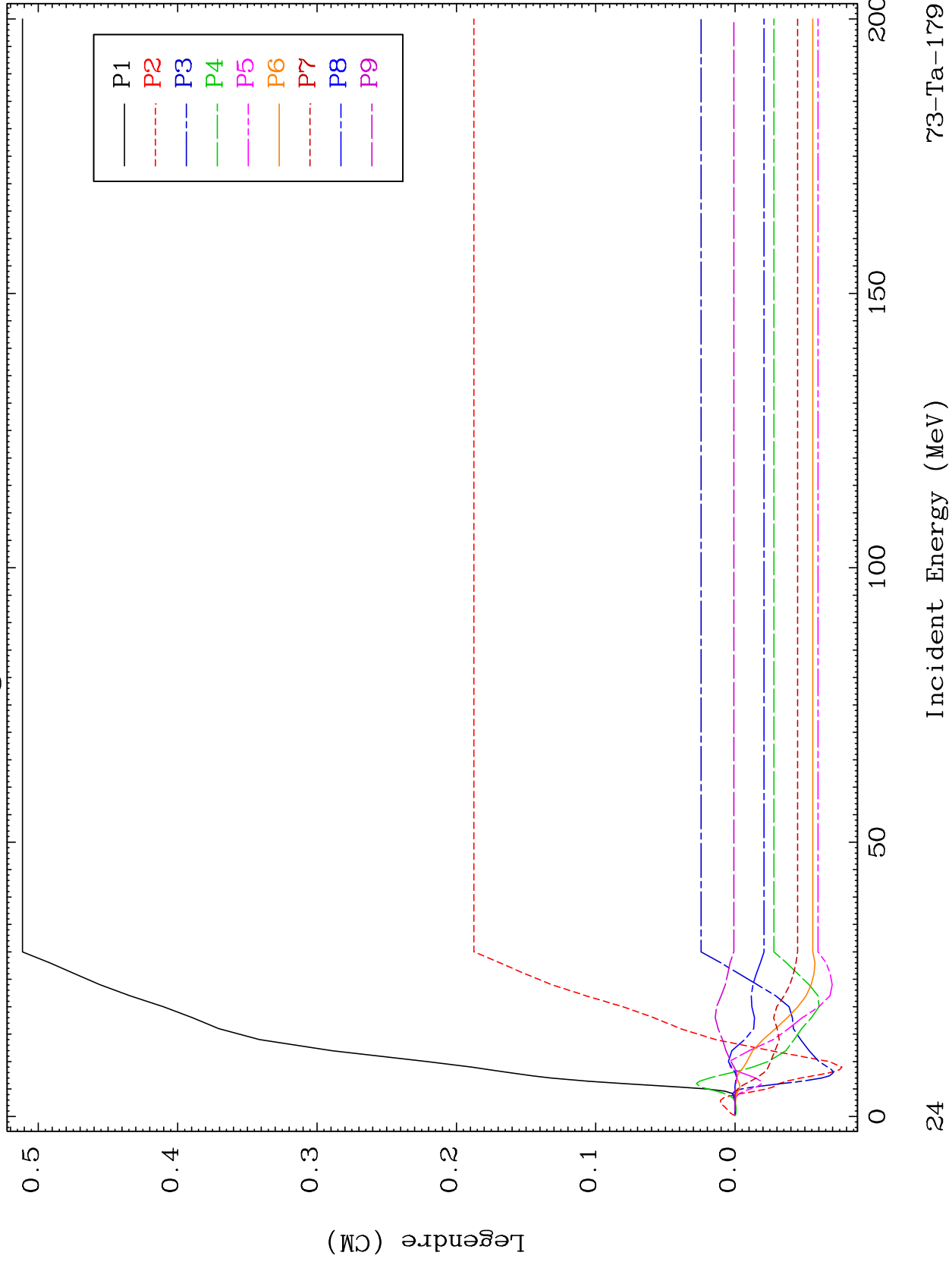
73-Ta-179



MAT 7322

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

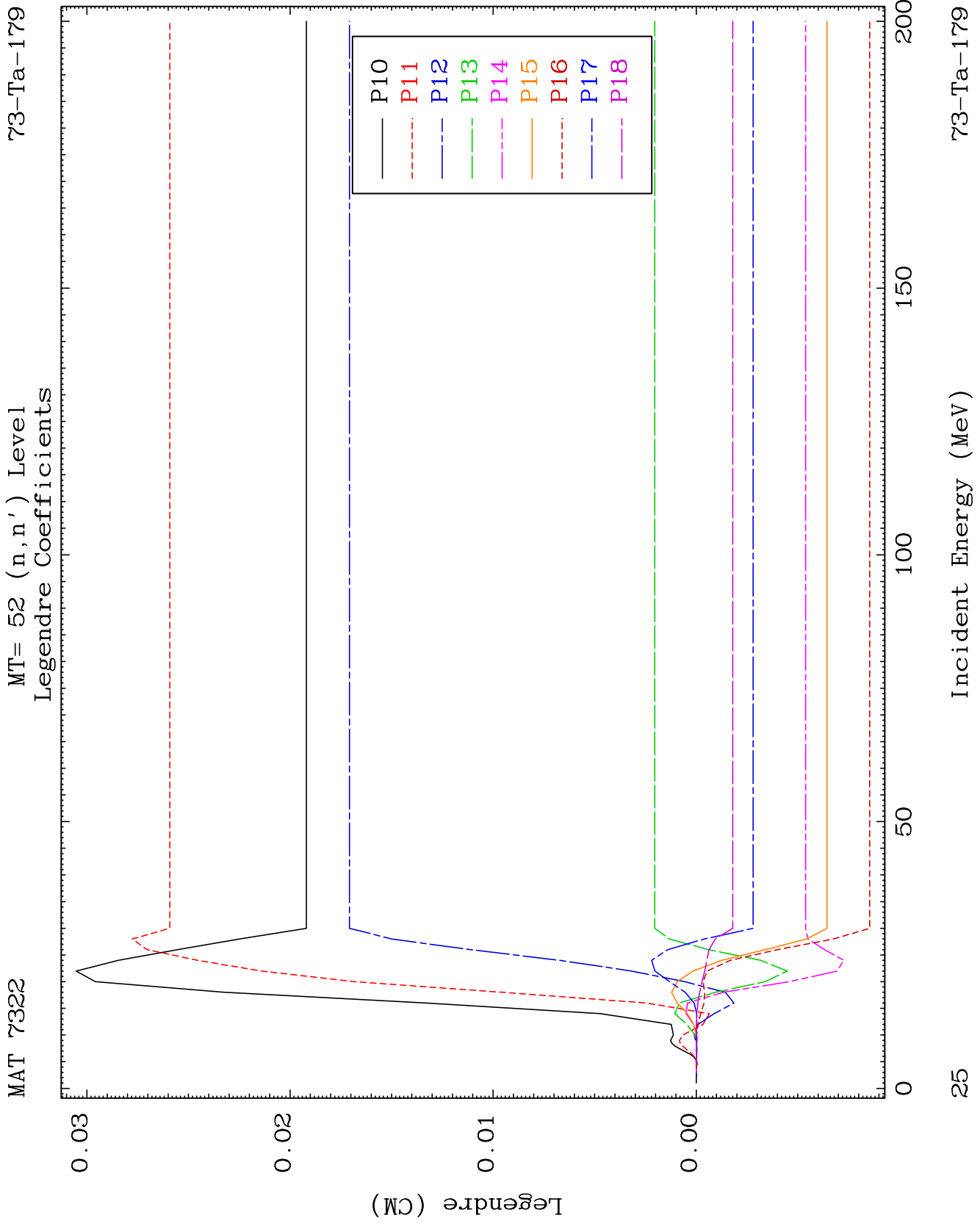
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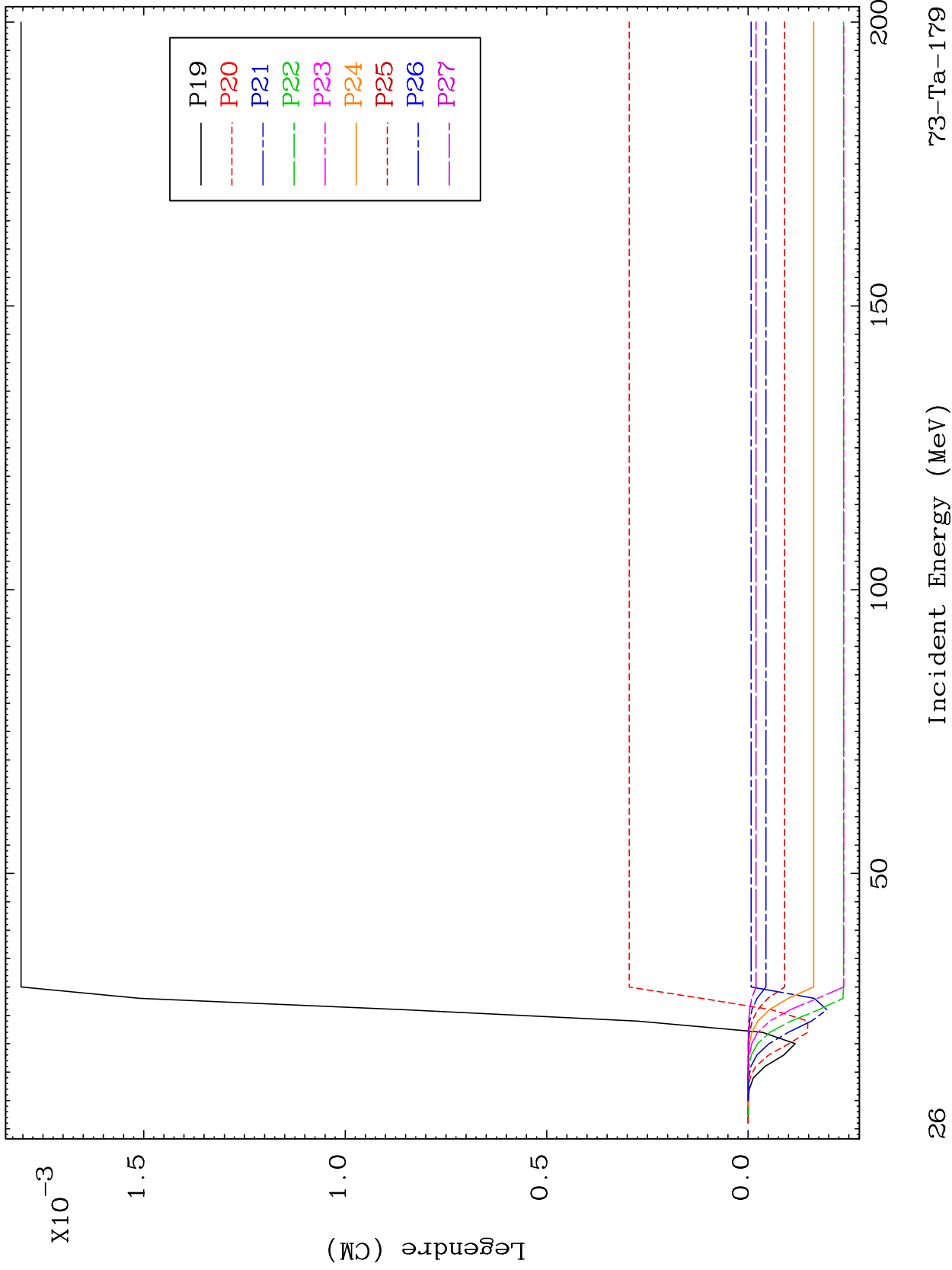


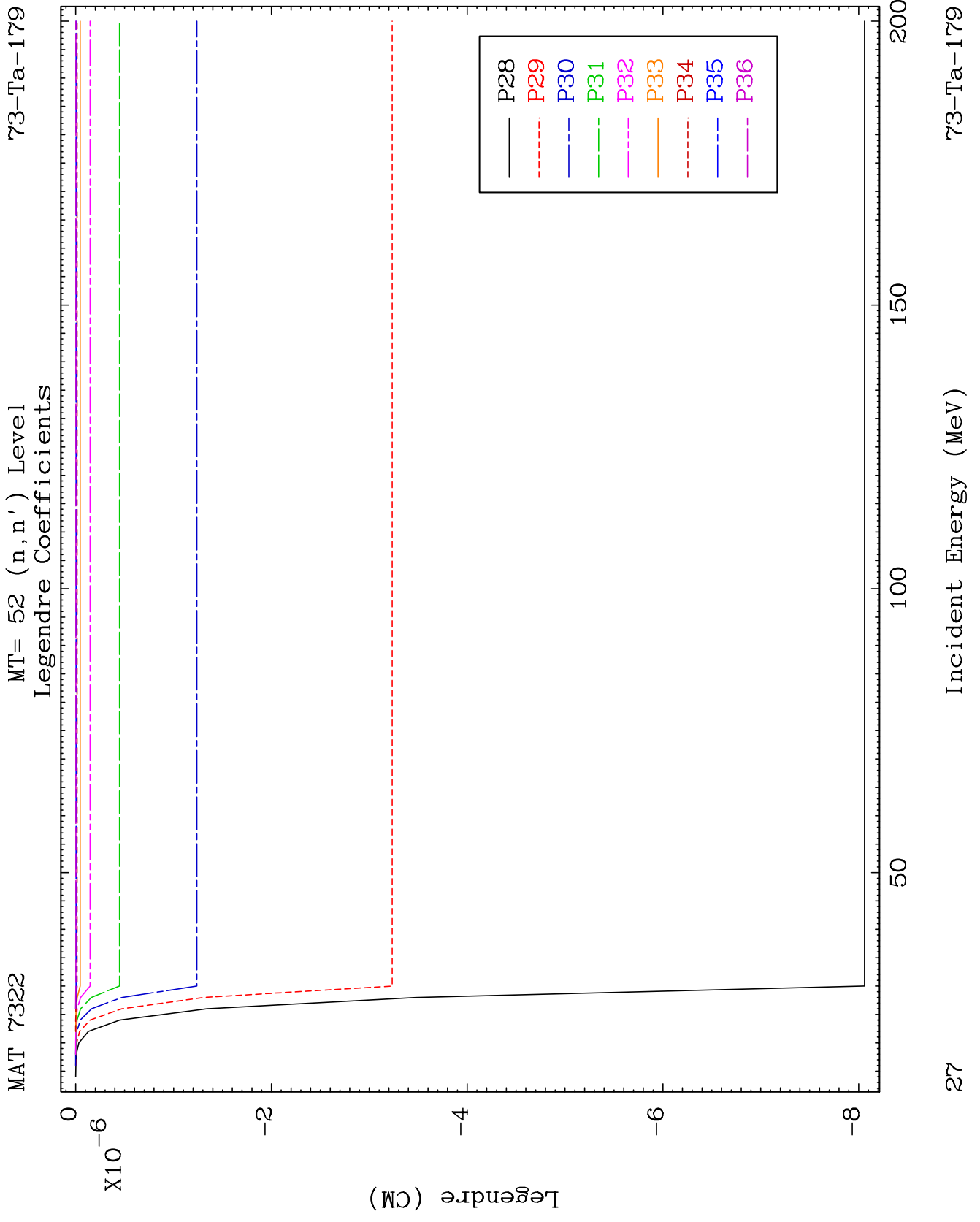
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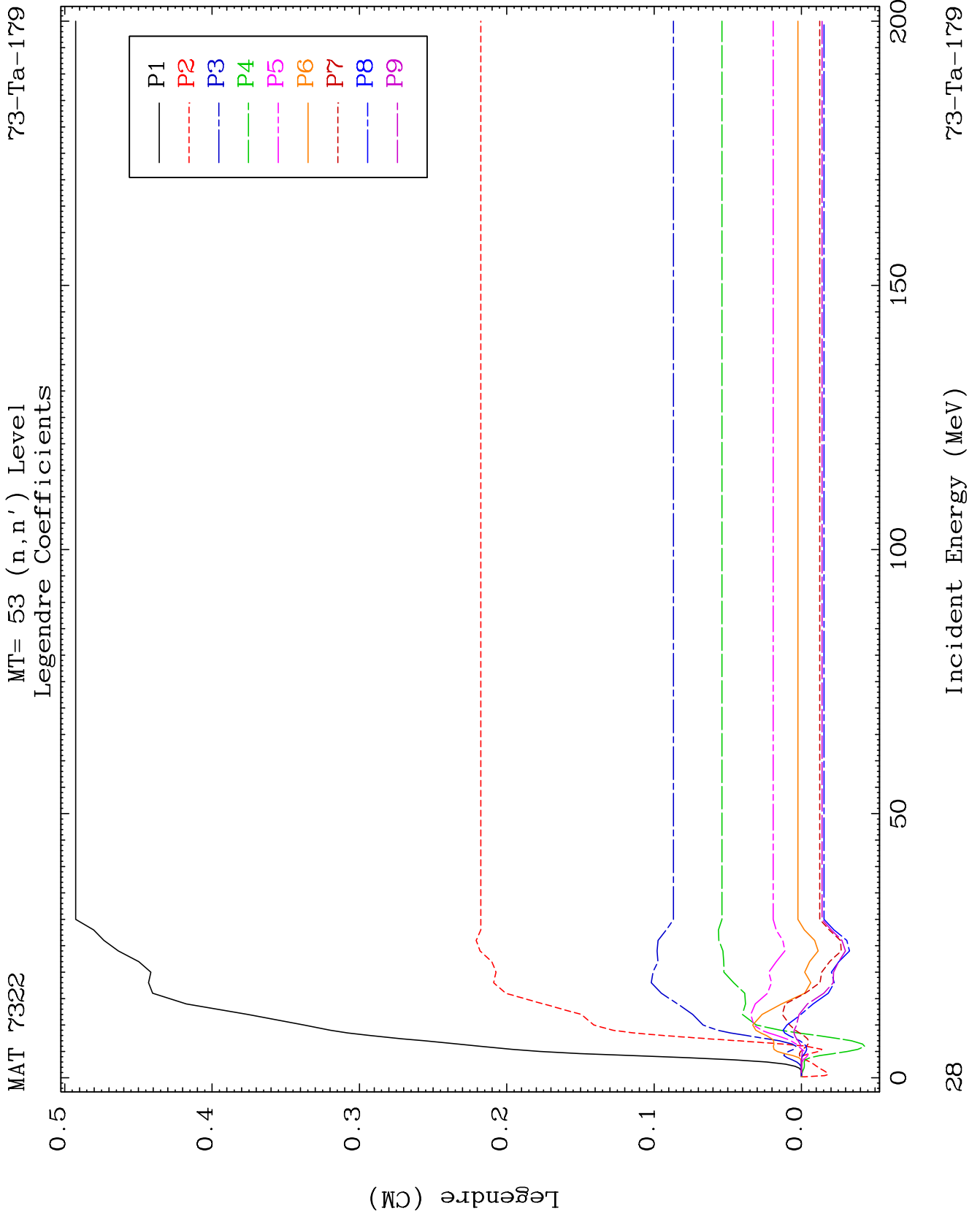
Incident Energy (MeV)

24





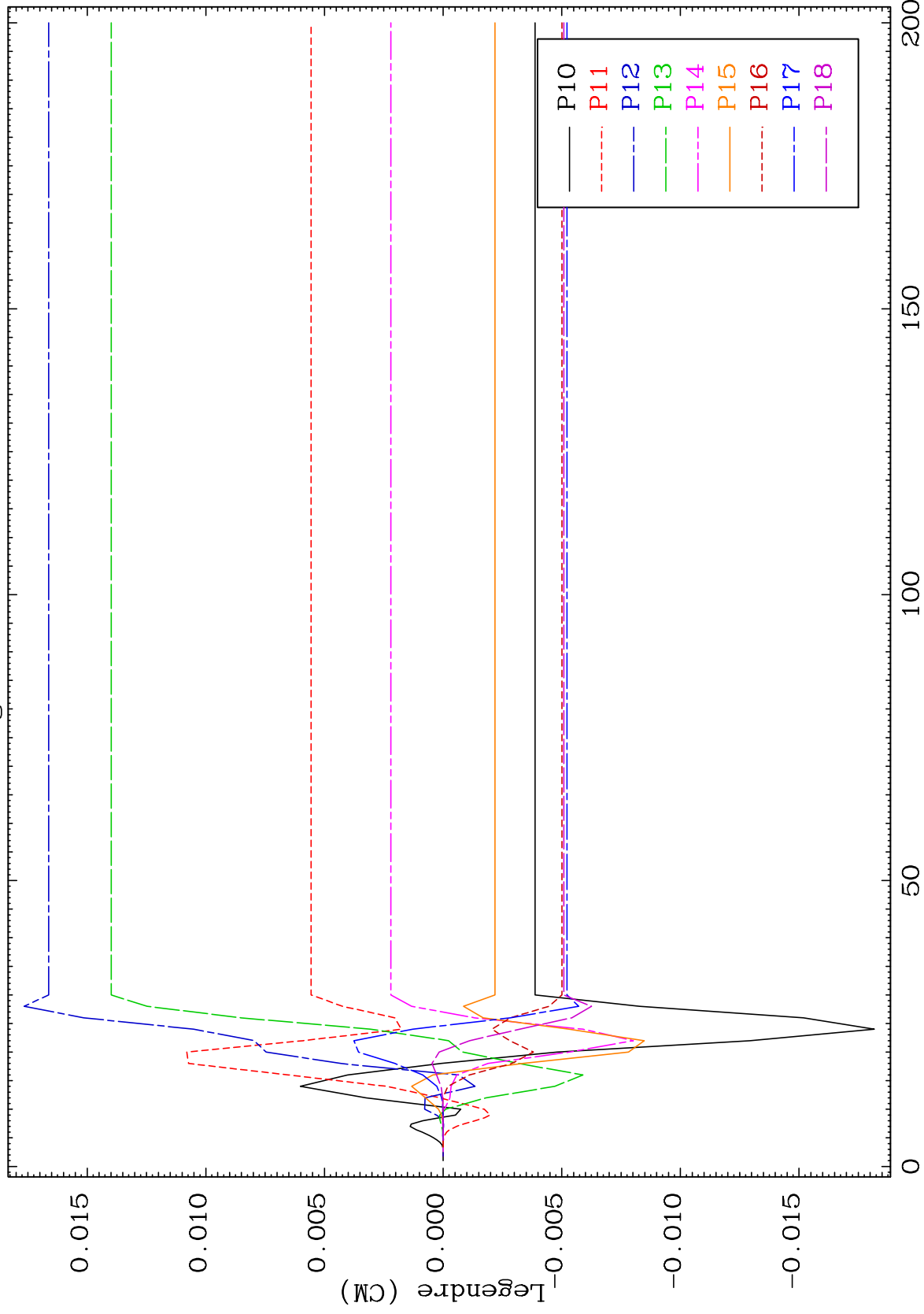




MAT 7322

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

73-Ta-179



29

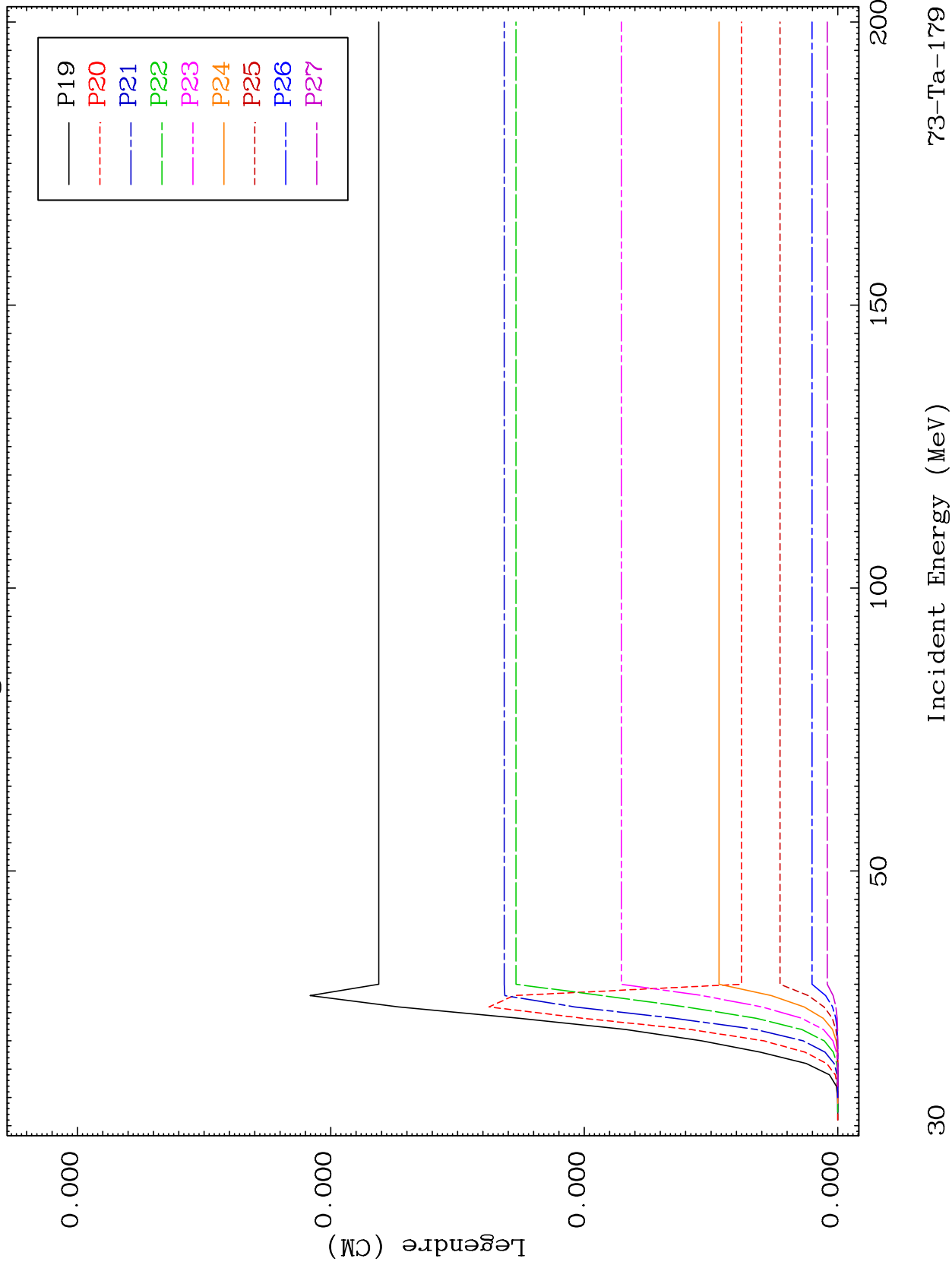
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



73-Ta-179

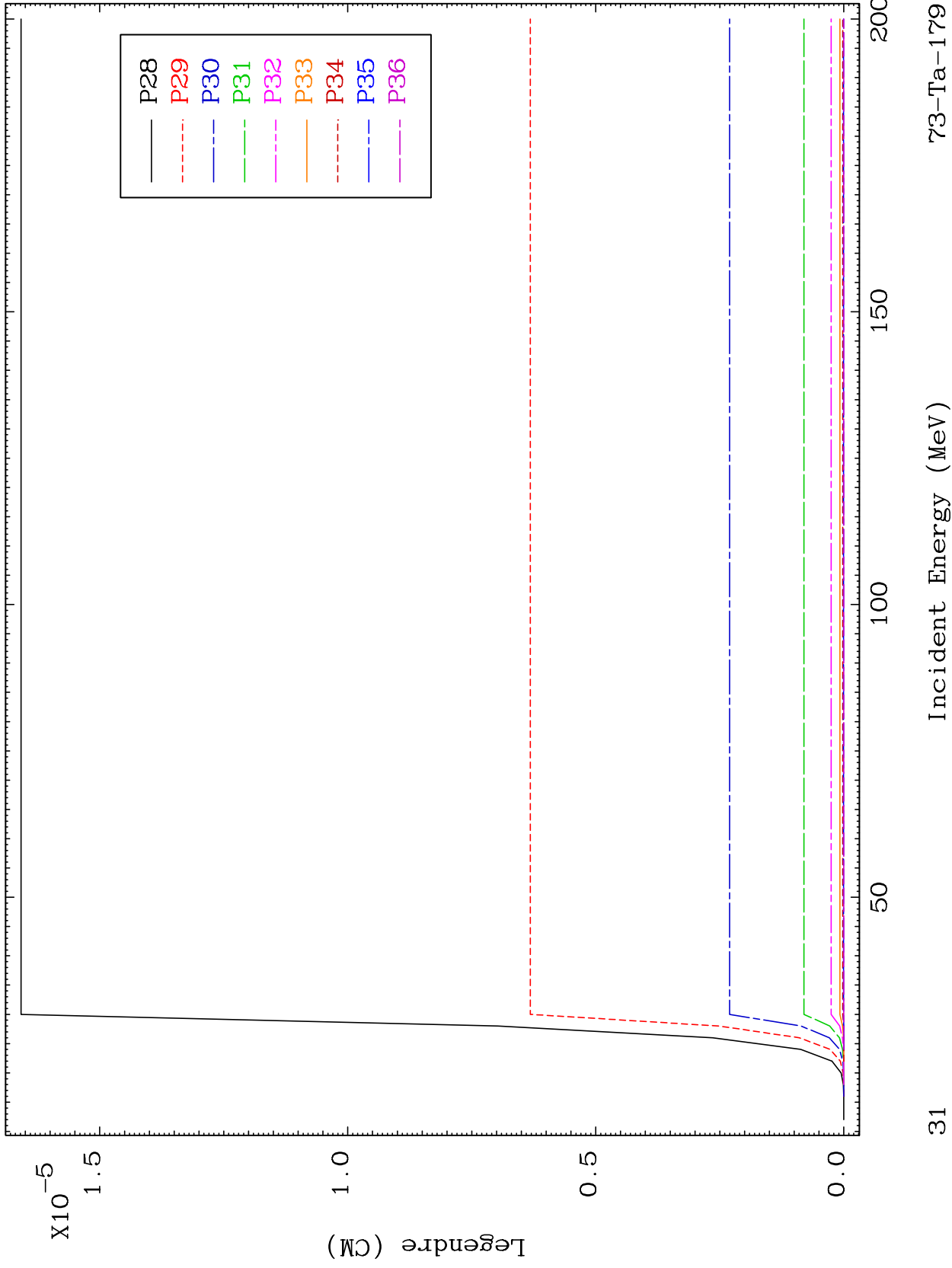
Incident Energy (MeV)

30

MAT 7322

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

73-Ta-179



31

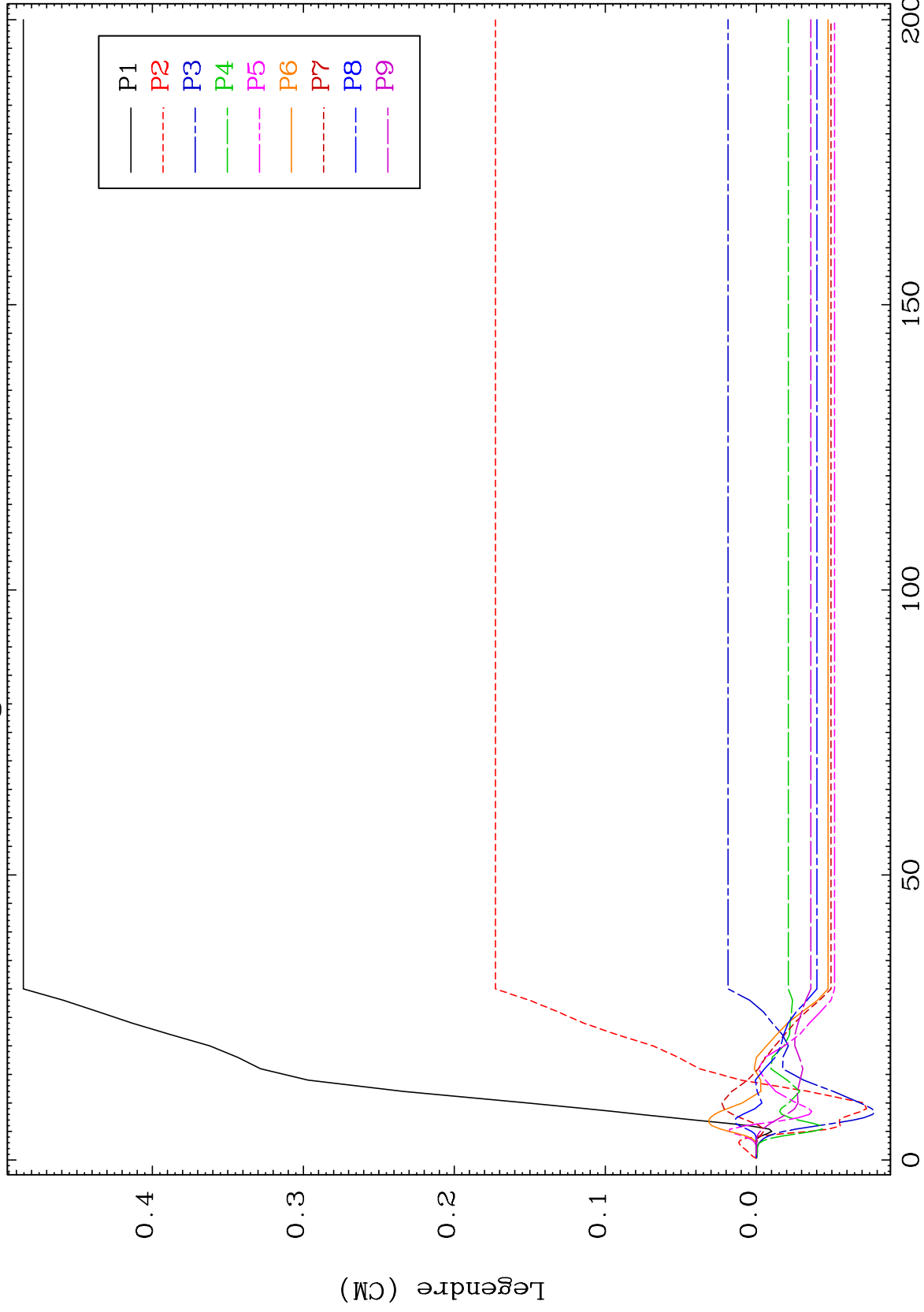
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

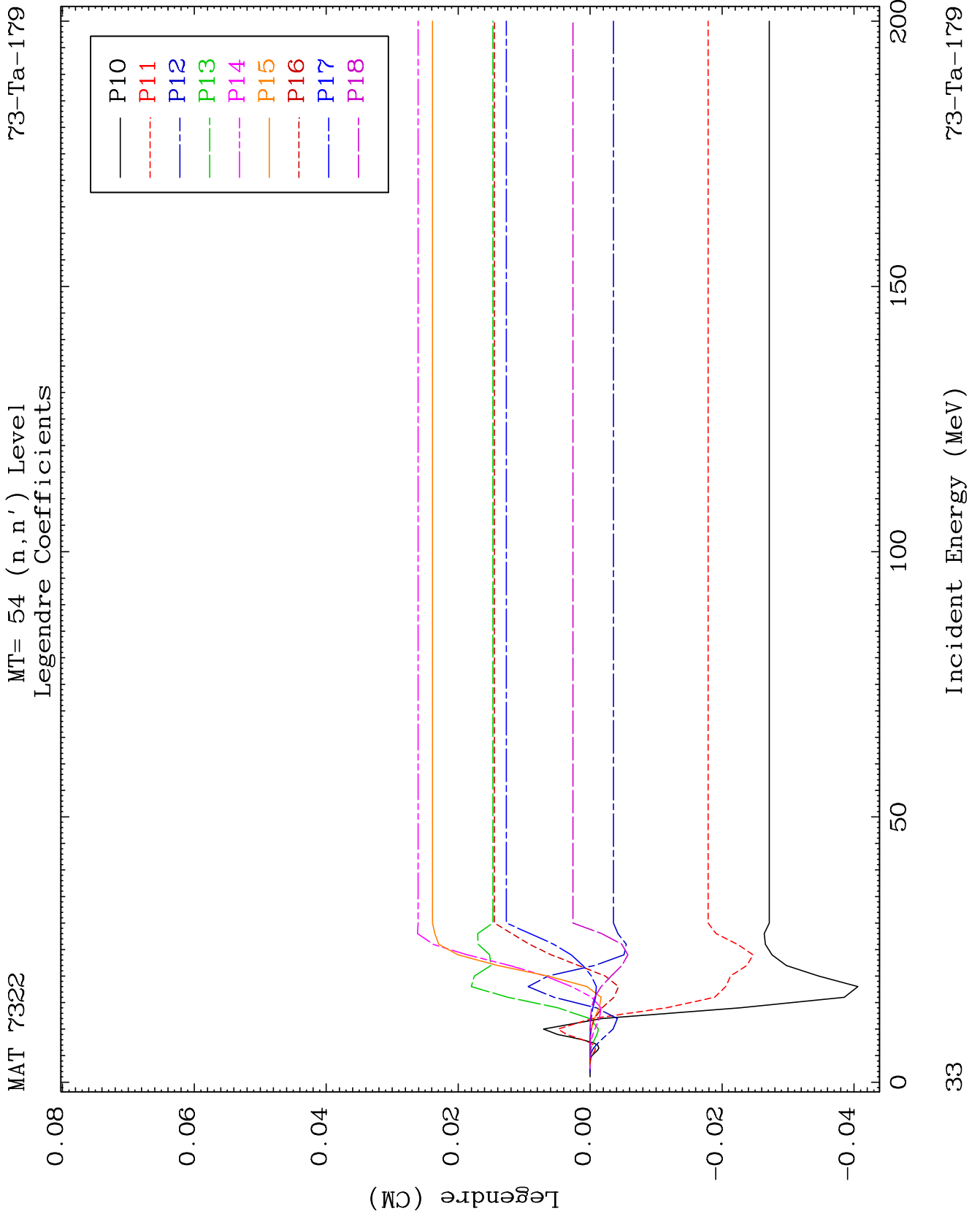
73-Ta-179

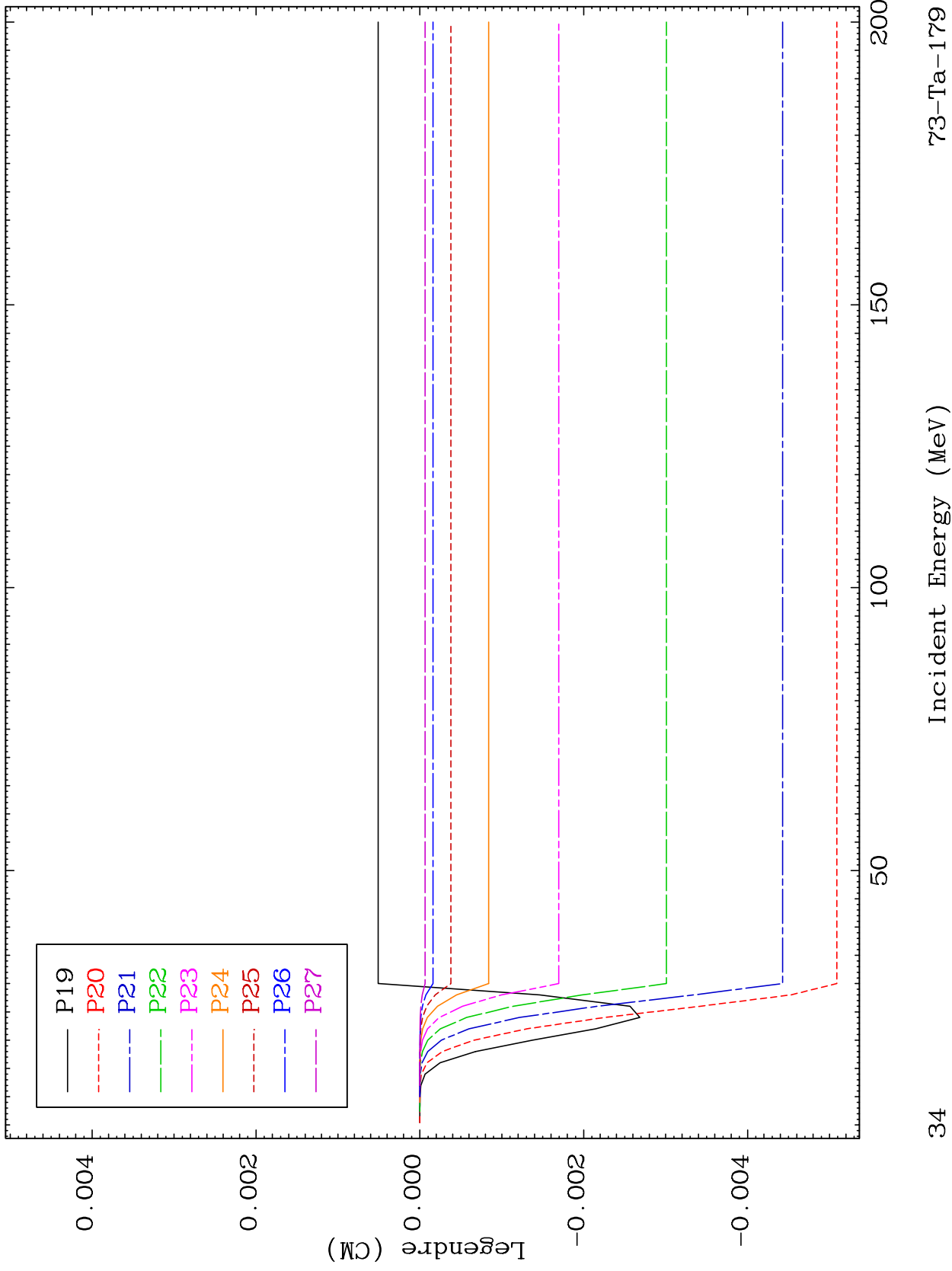


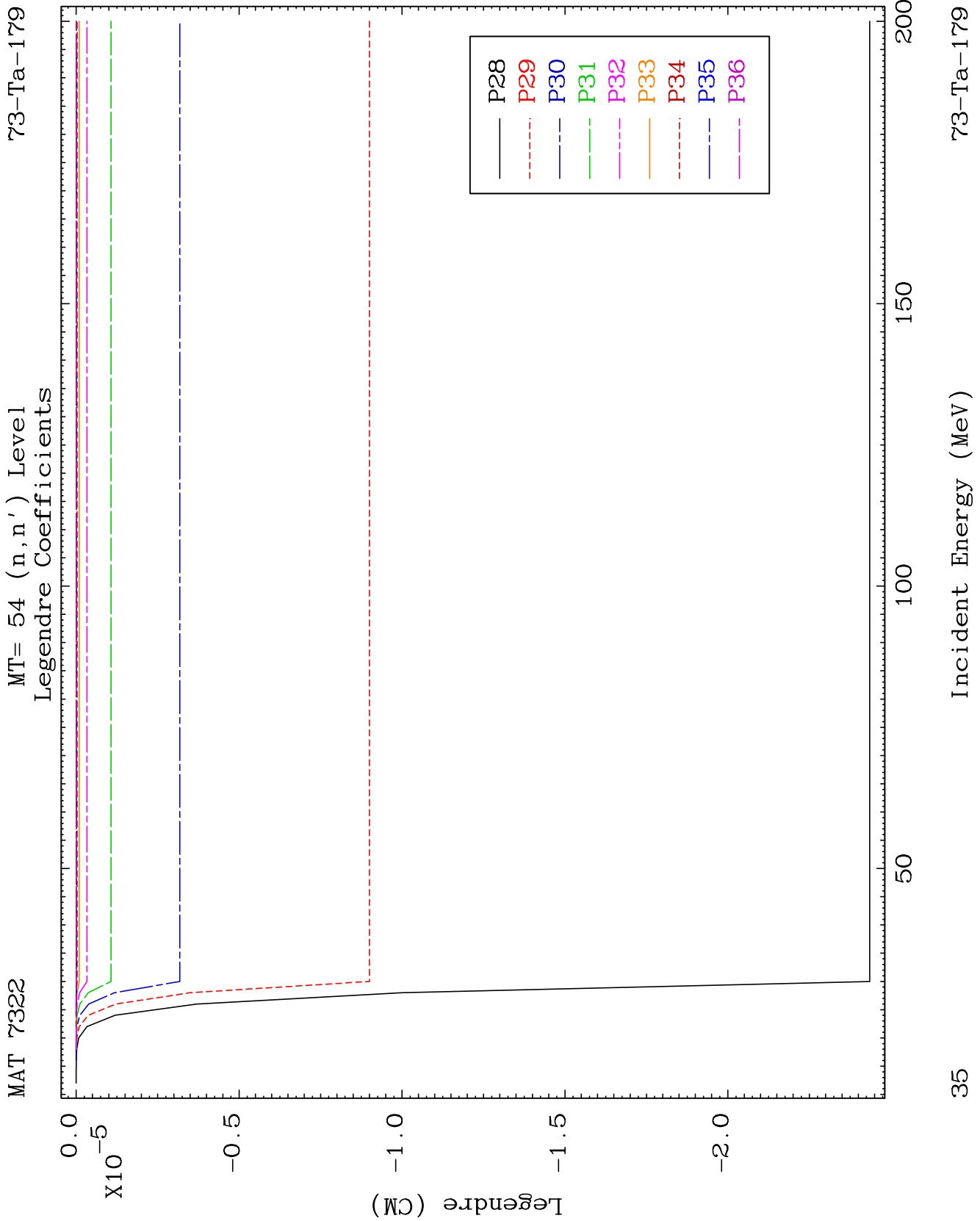
32

Incident Energy (MeV)

73-Ta-179



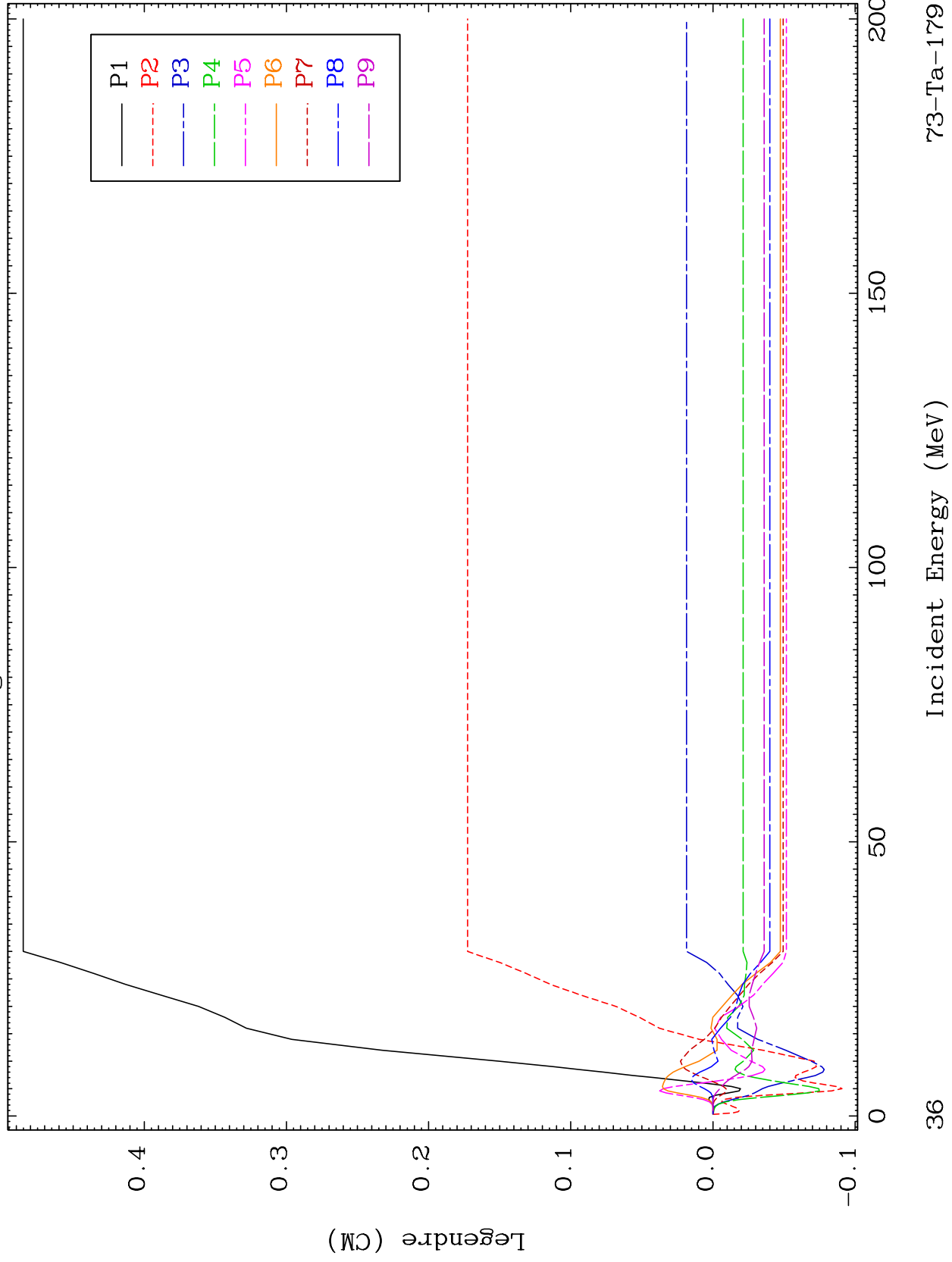




MAT 7322

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

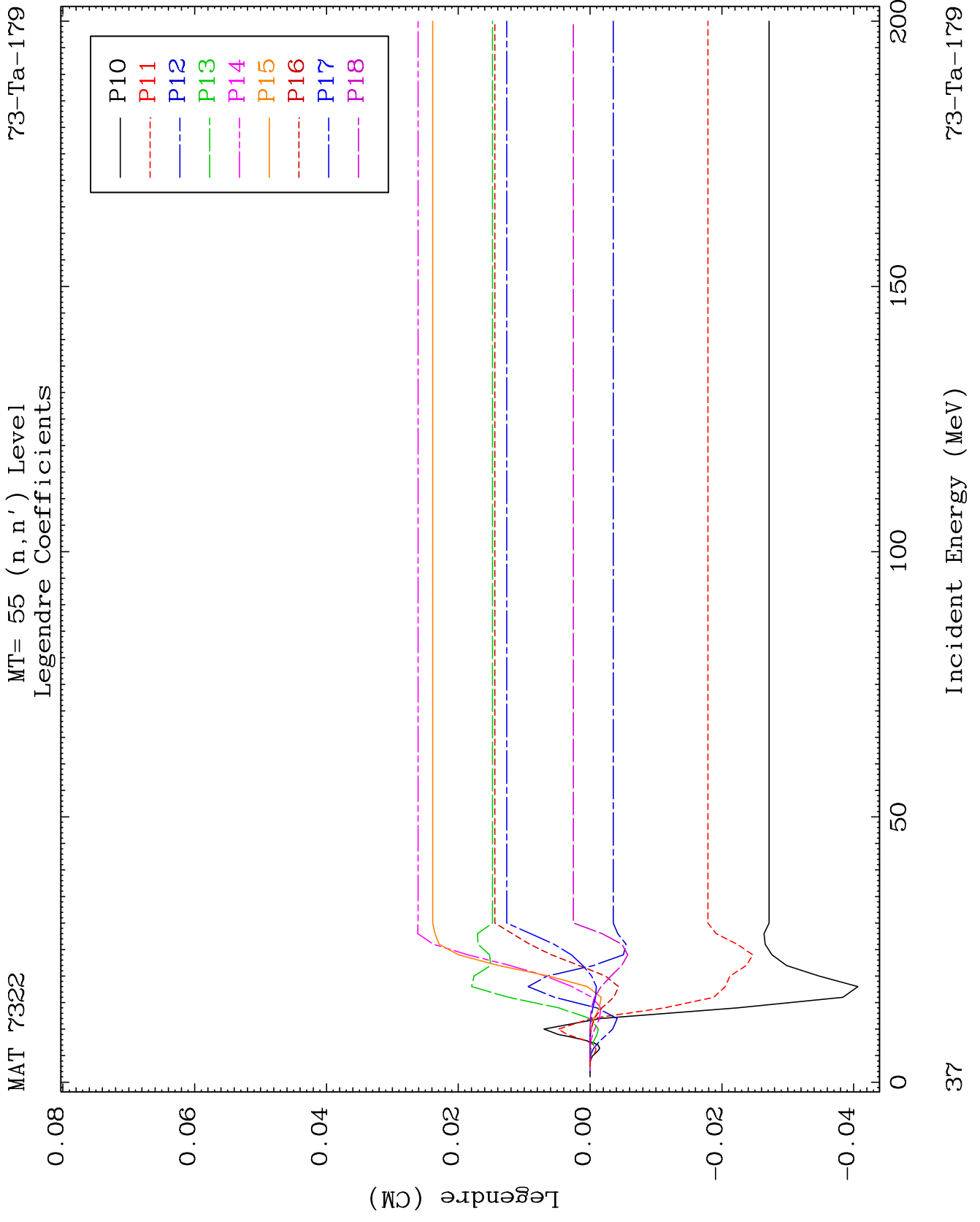
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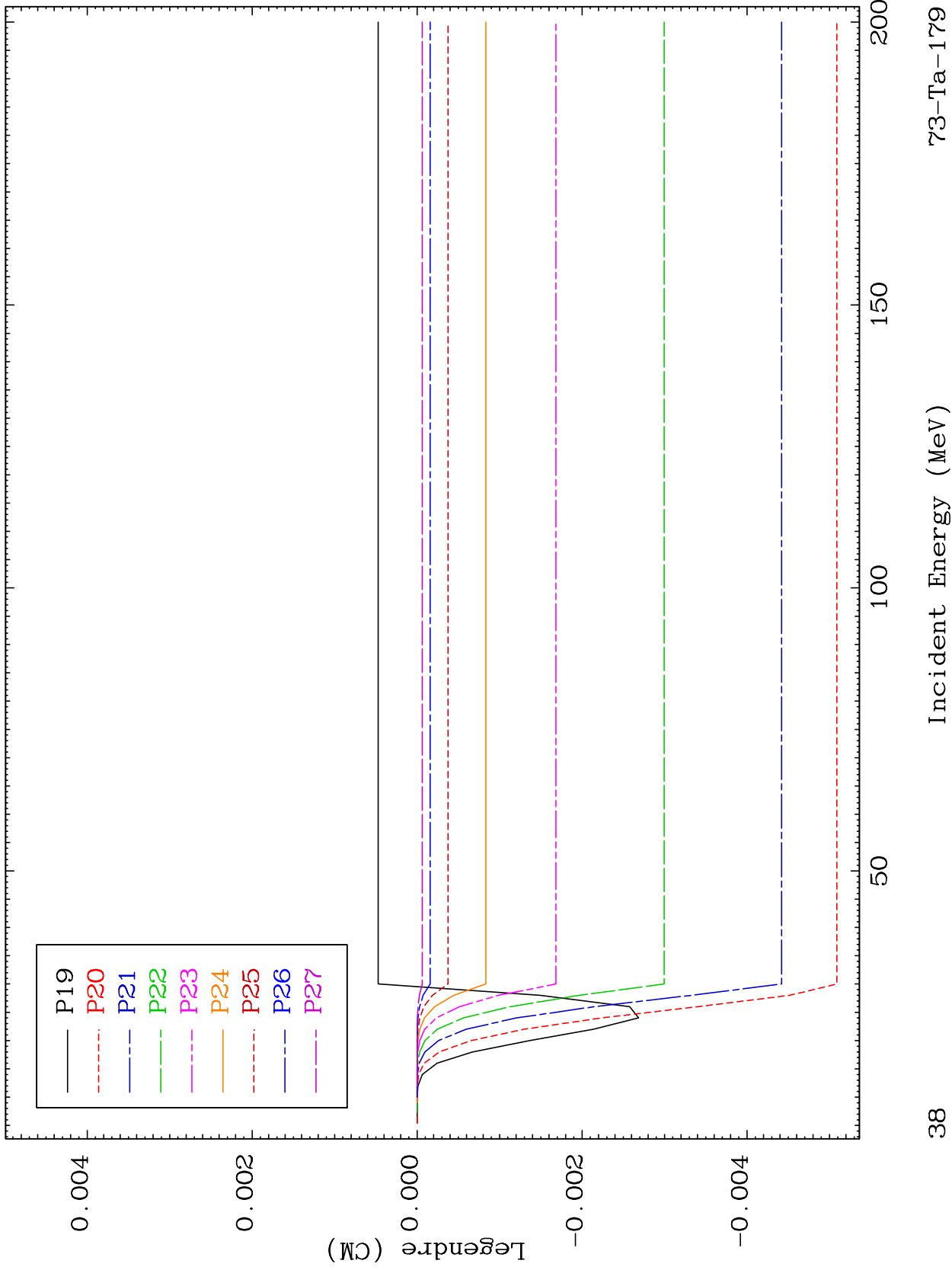


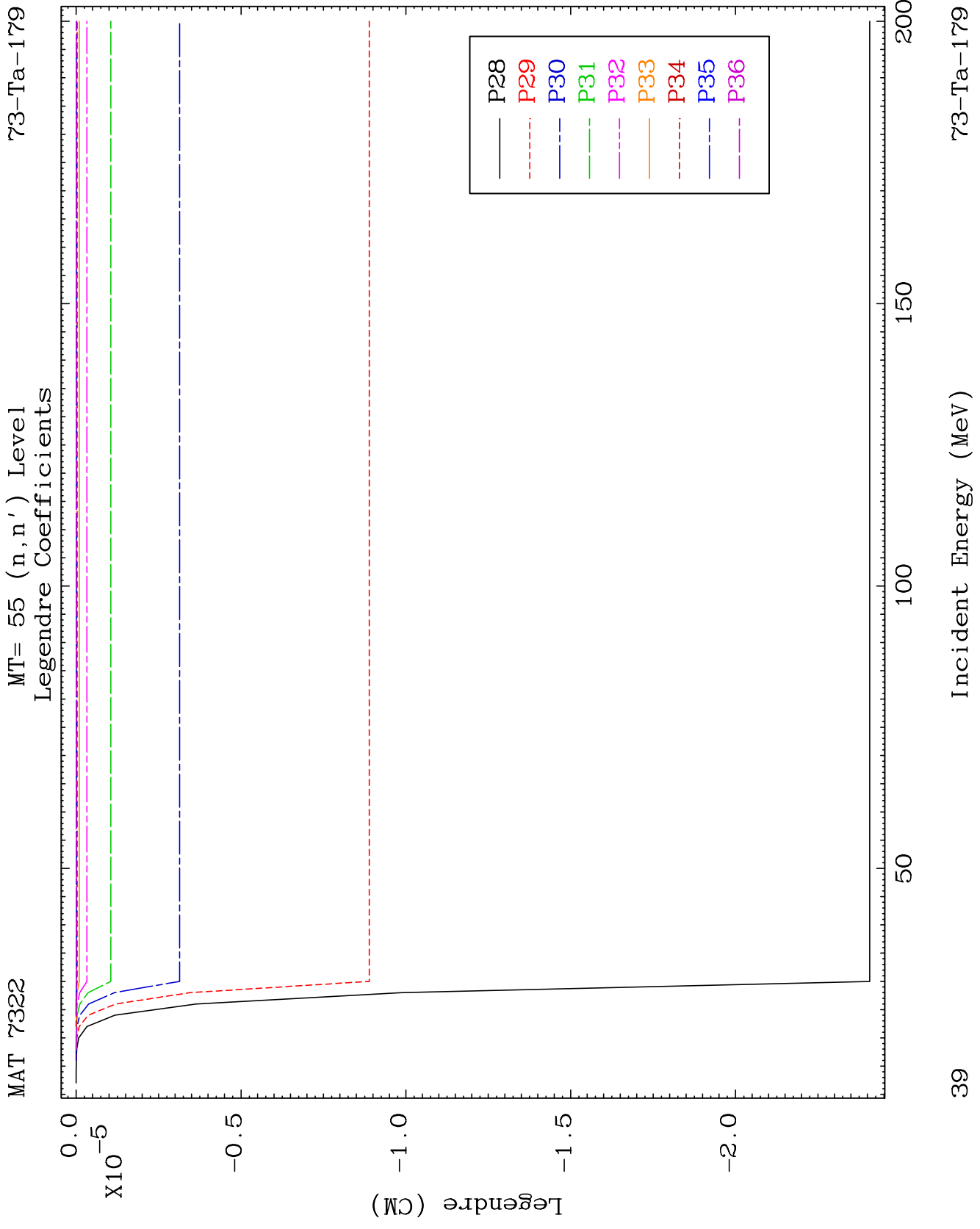
73-Ta-179

Incident Energy (MeV)

36



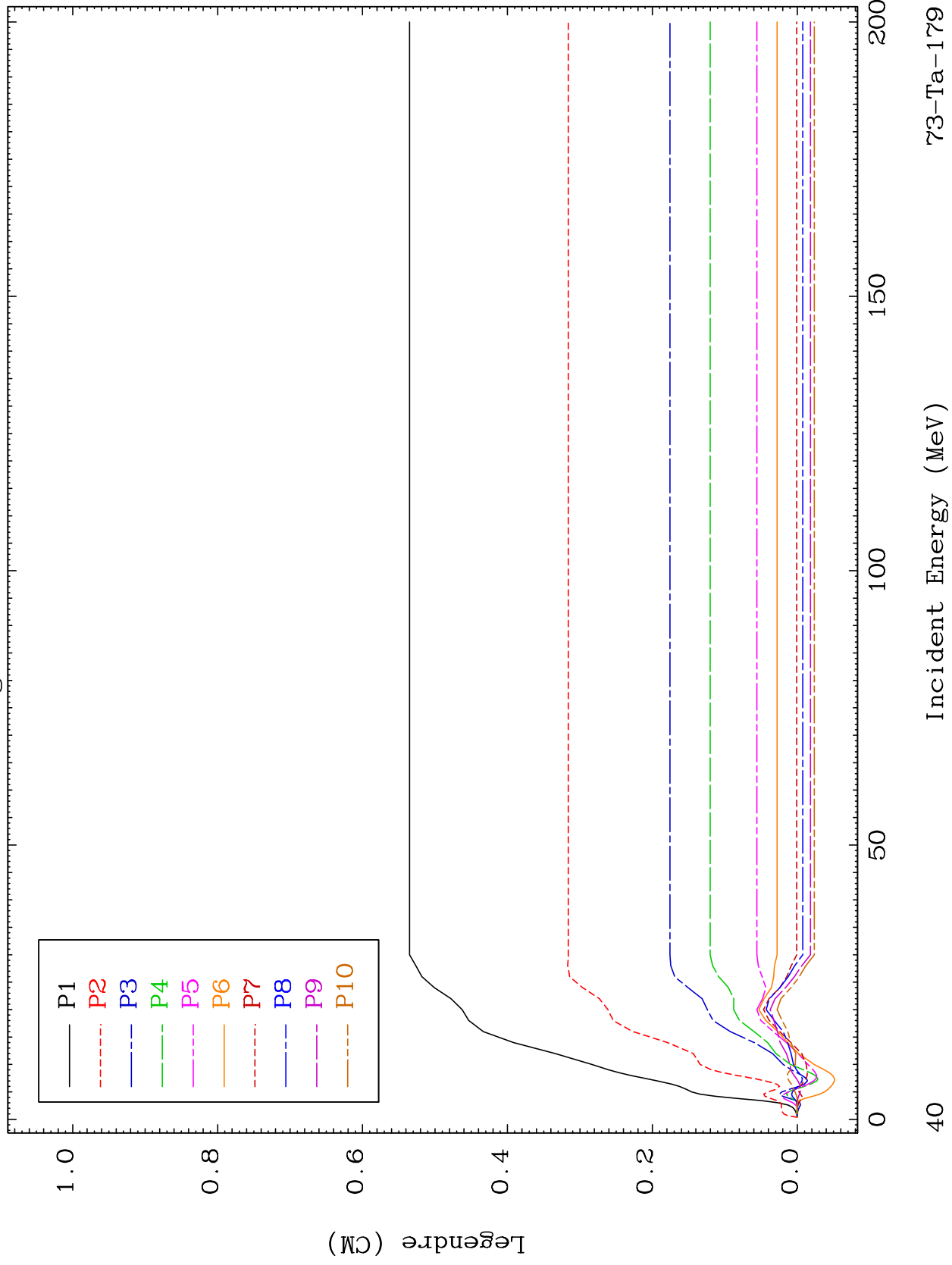




MAT 7322

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

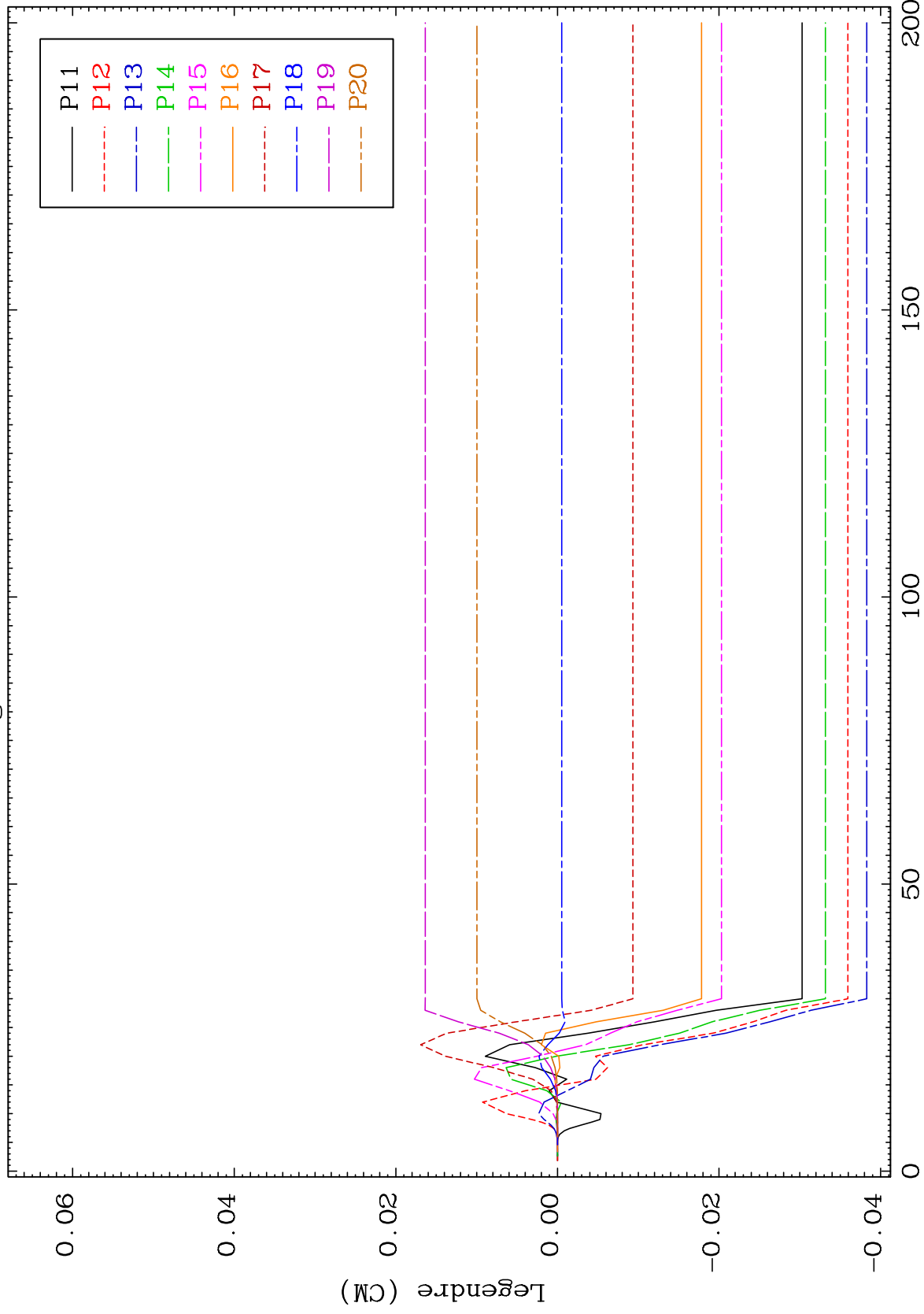
73-Ta-179



MAT 7322

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

73-Ta-179



41

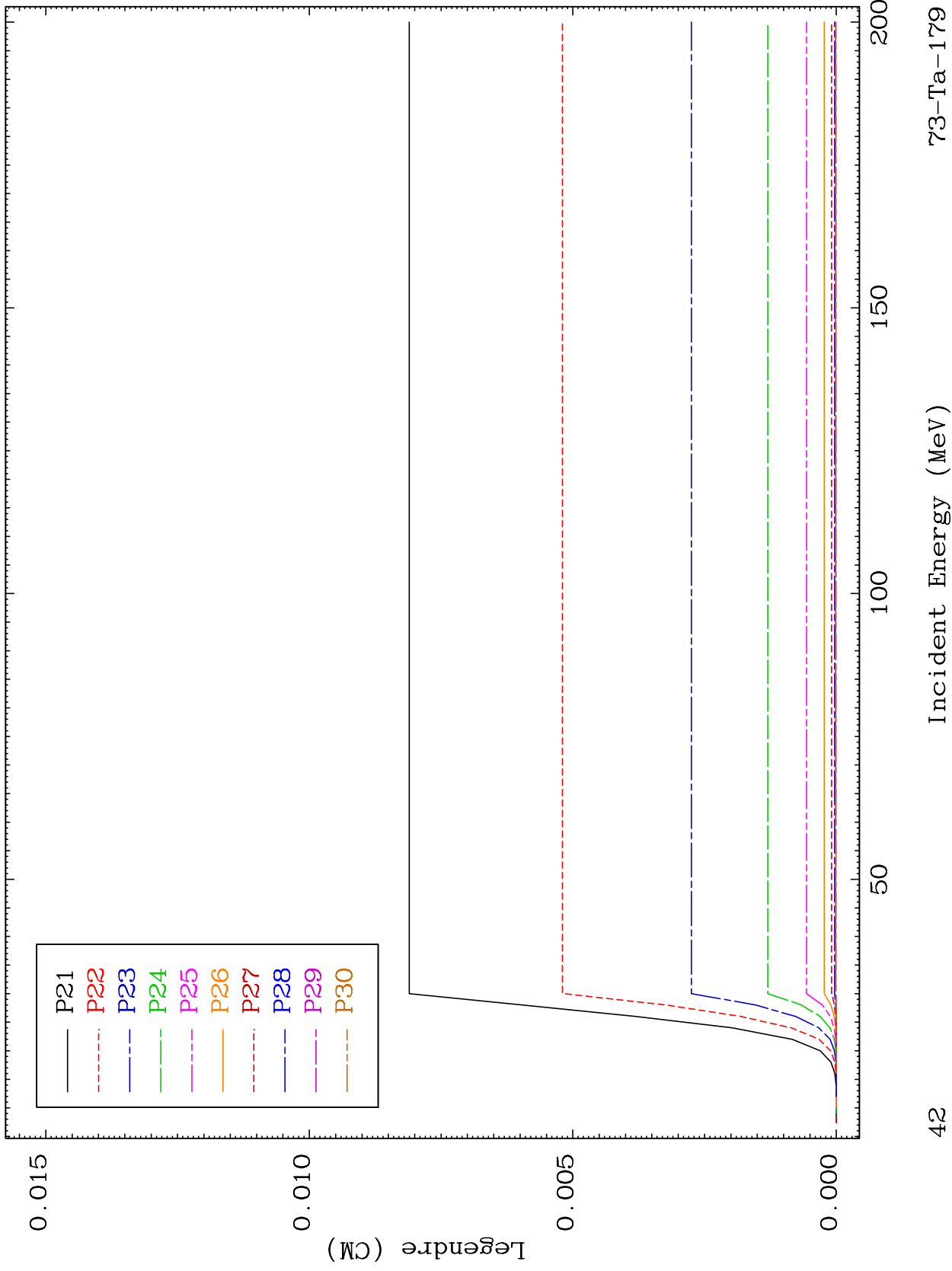
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



42

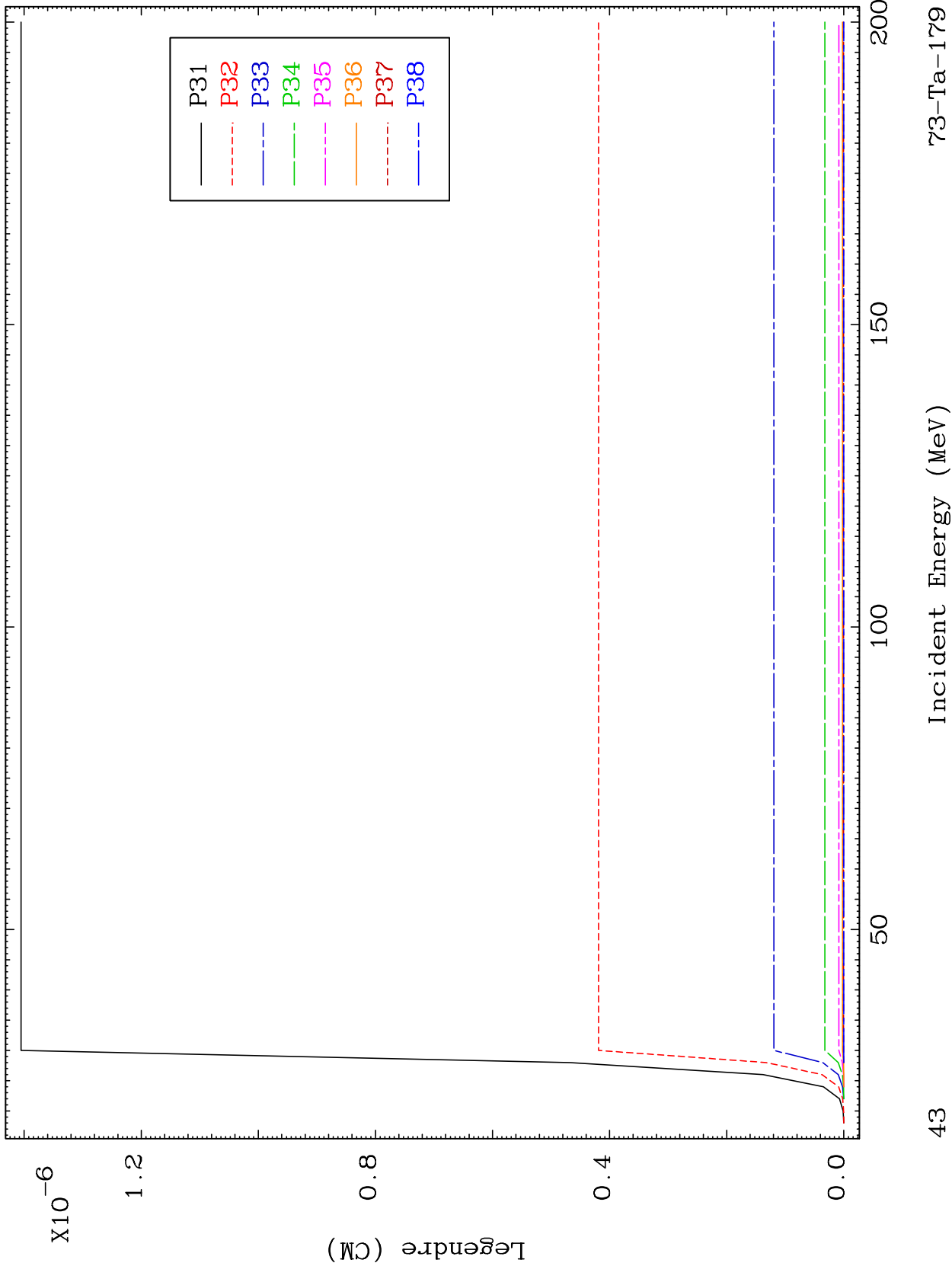
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



43

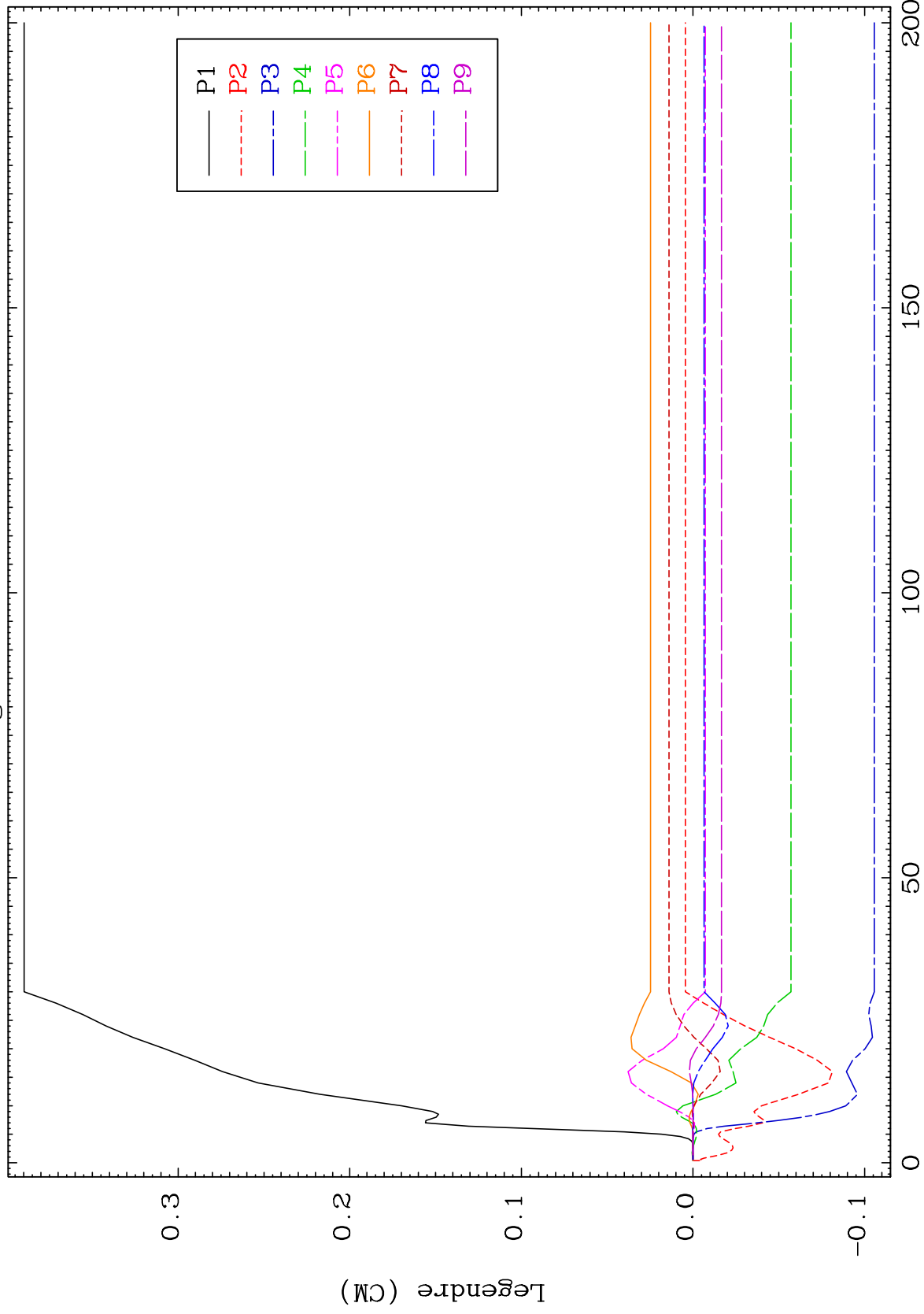
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



44

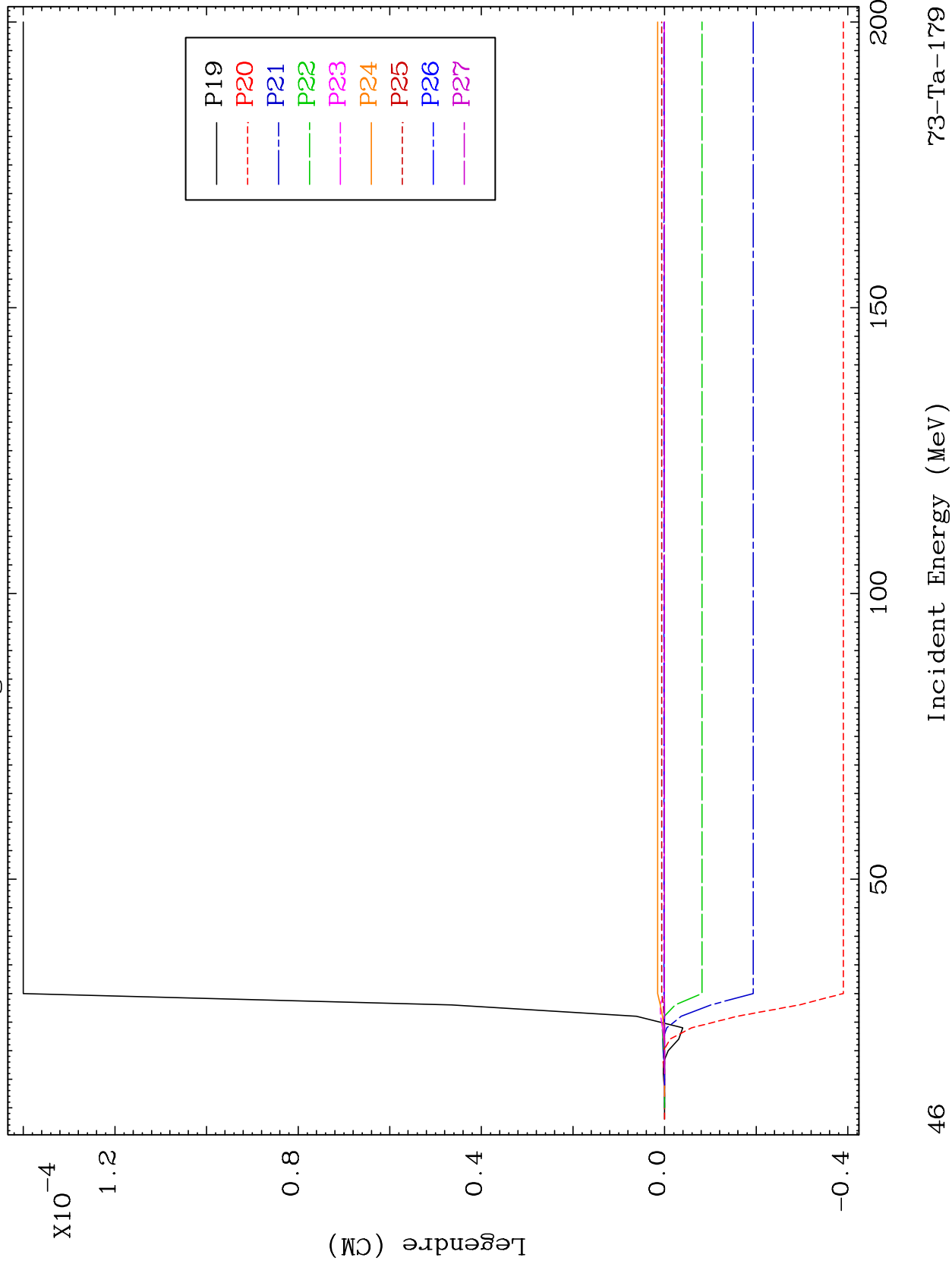
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



46

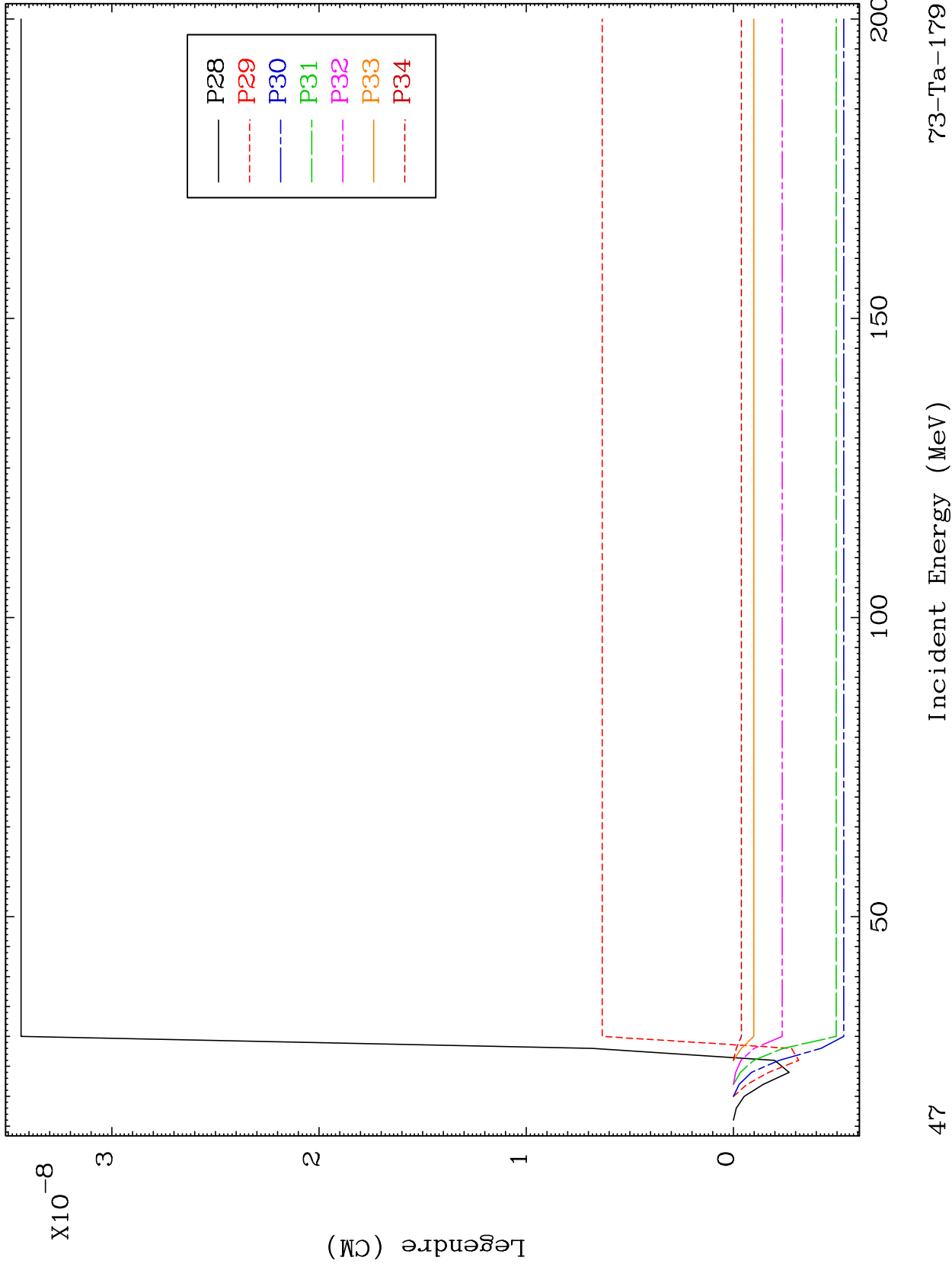
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

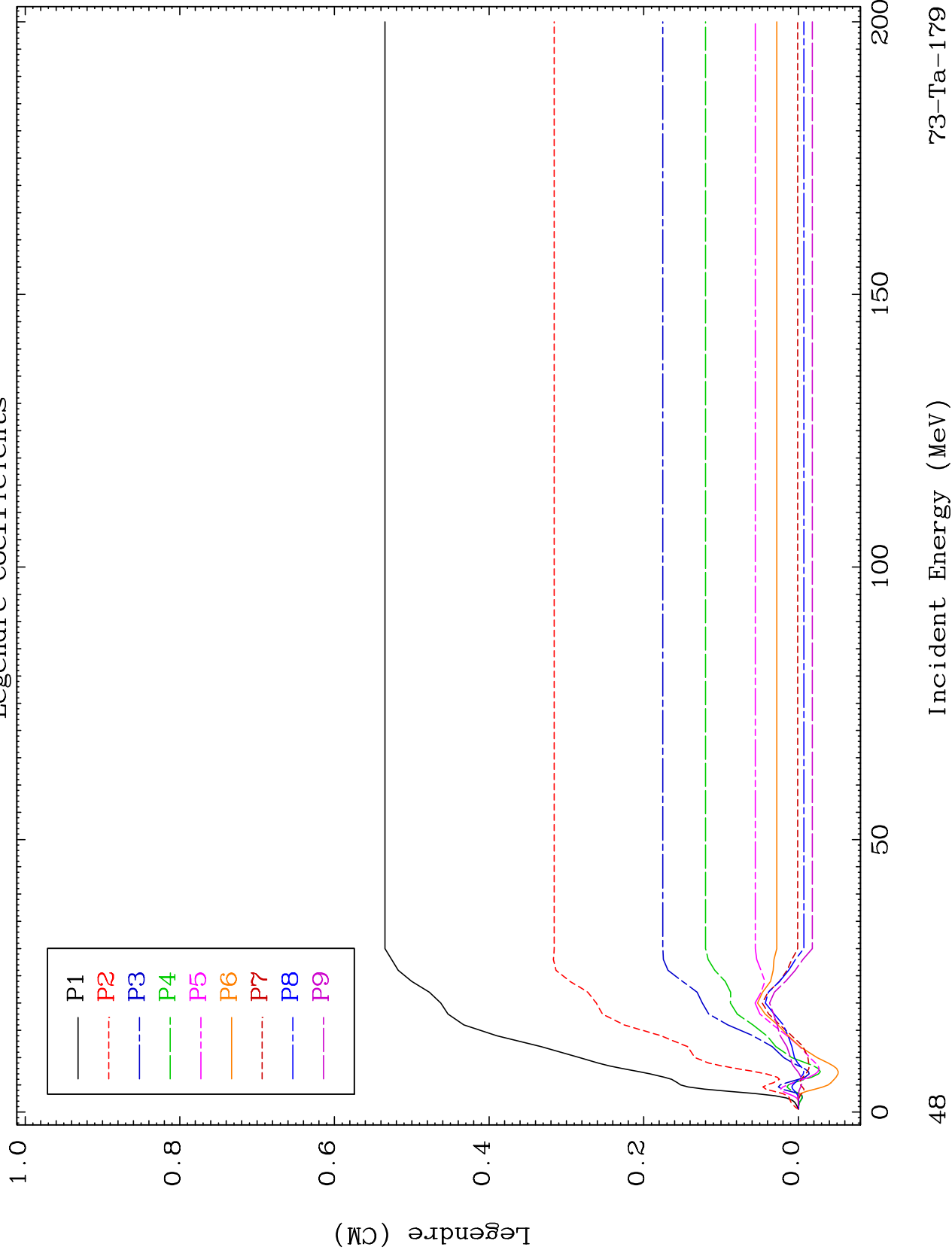
73-Ta-179



MAT 7322

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

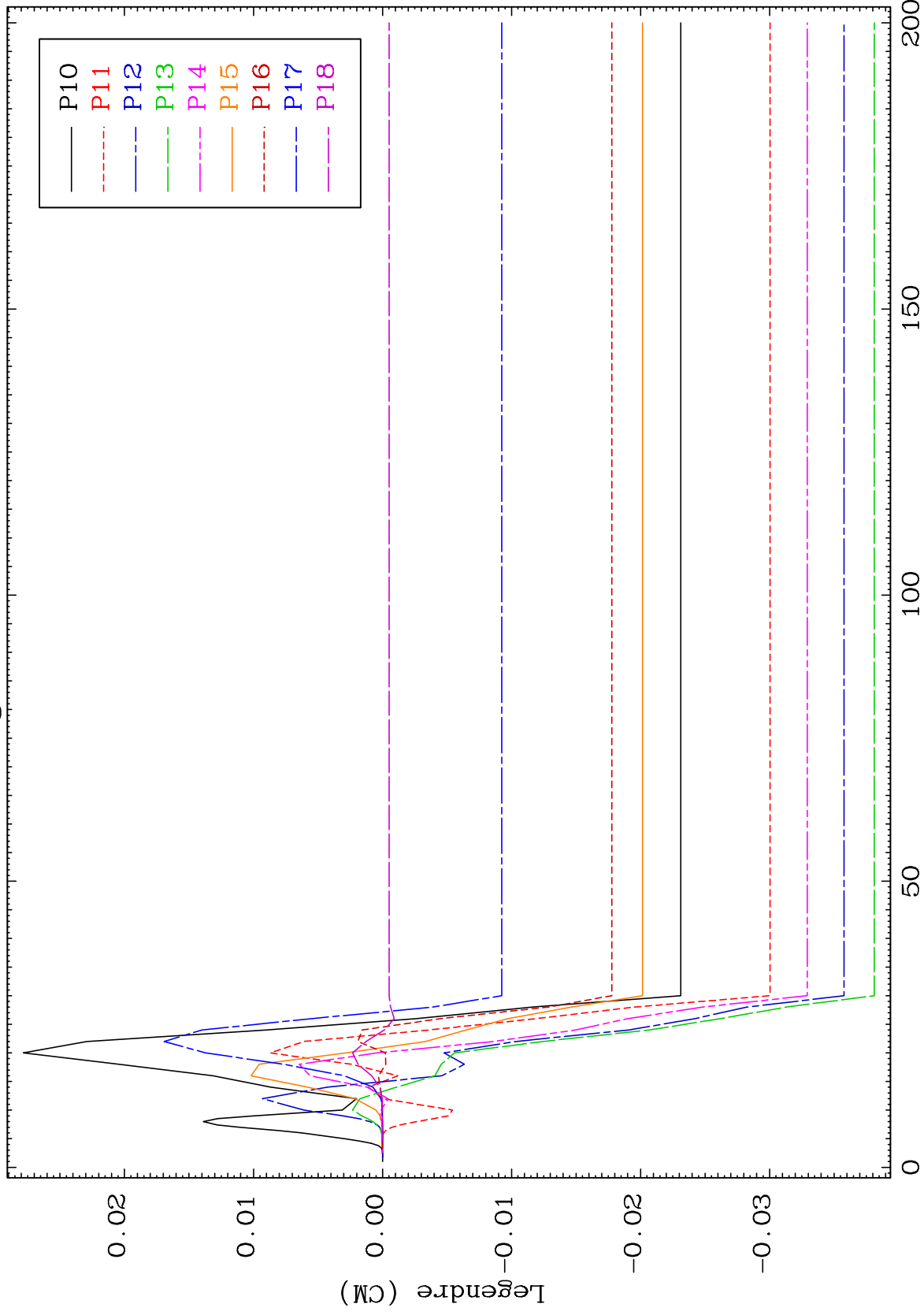
73-Ta-179



MAT 7322

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

73-Ta-179



49

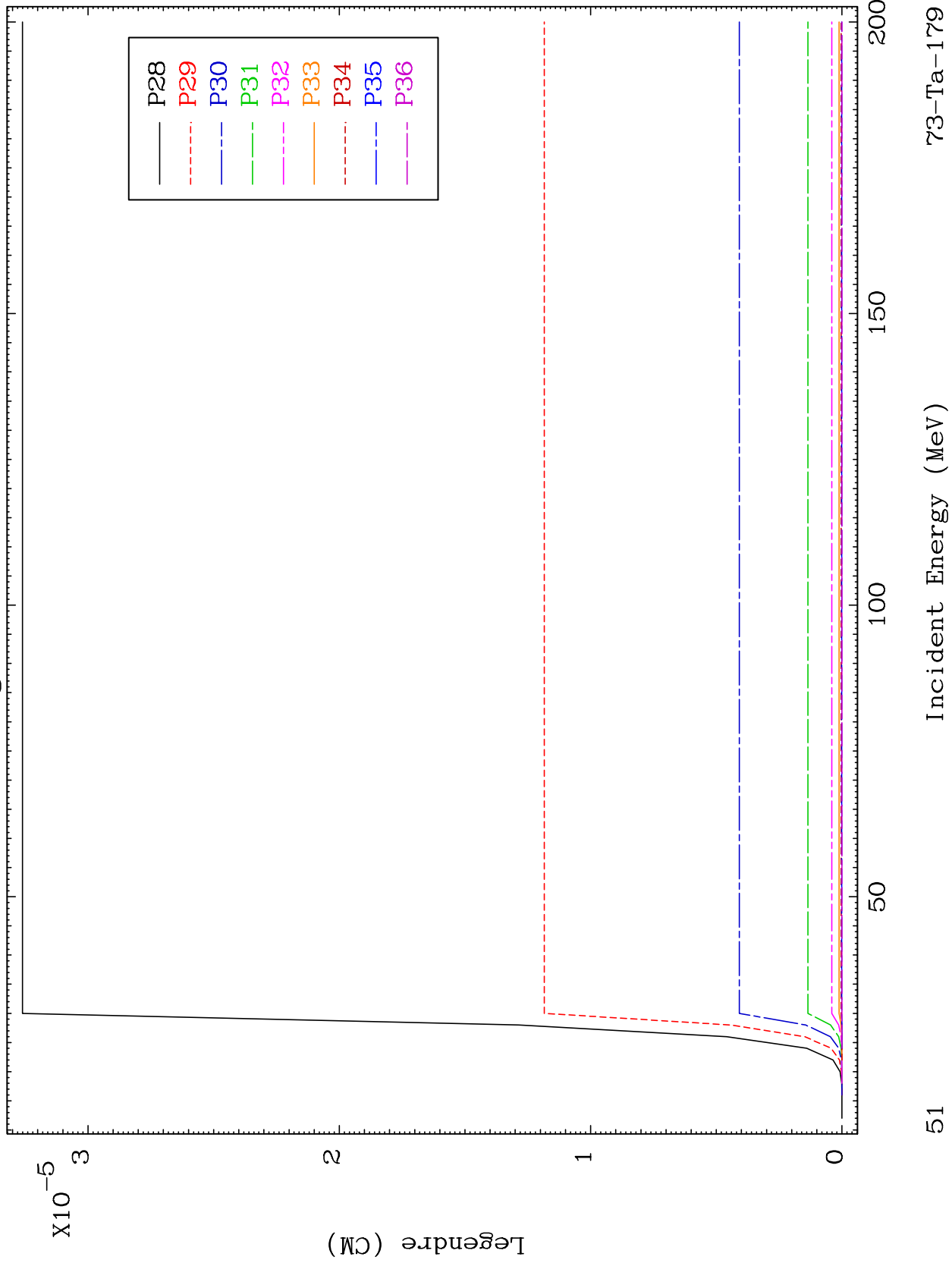
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



51

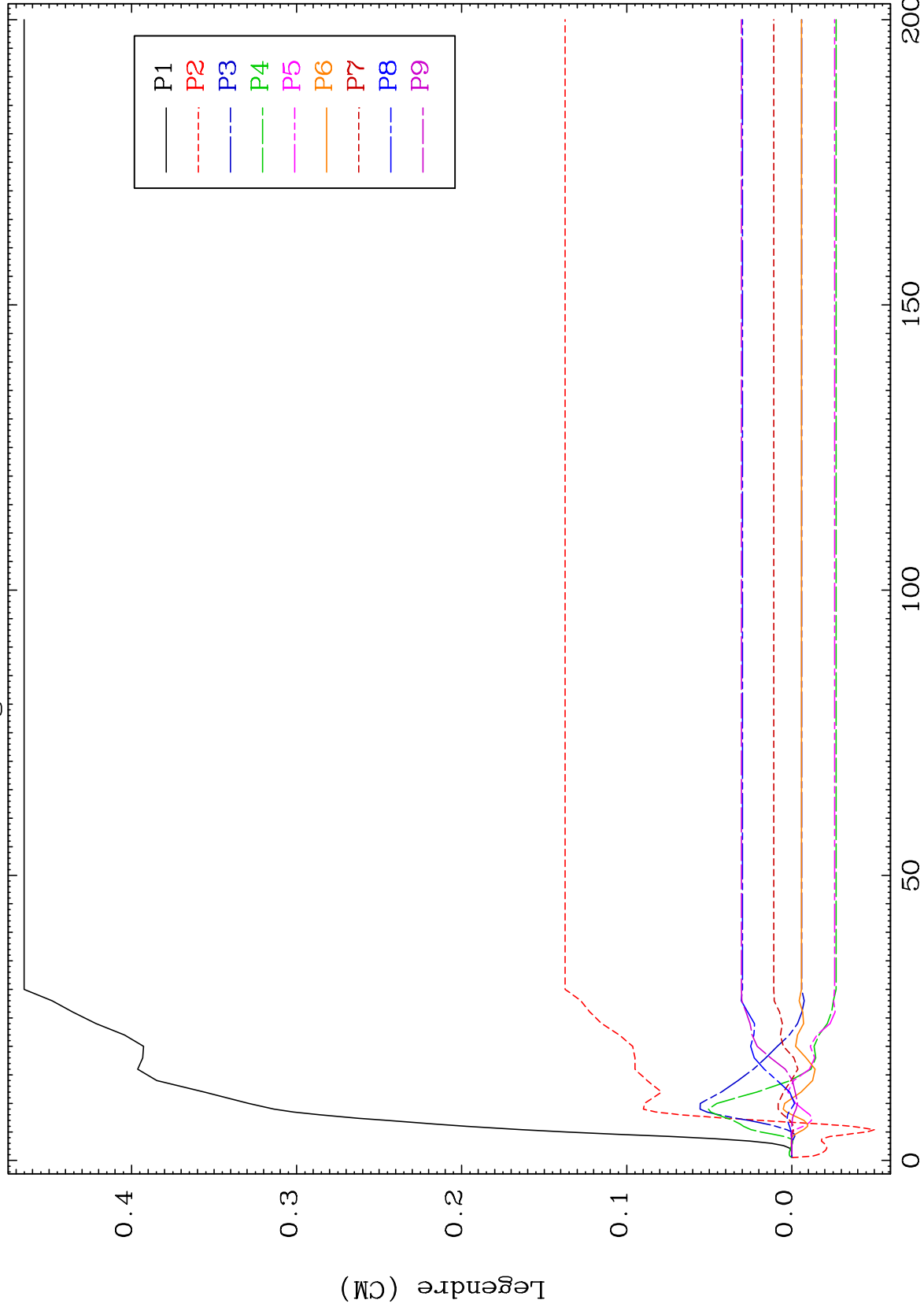
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



52

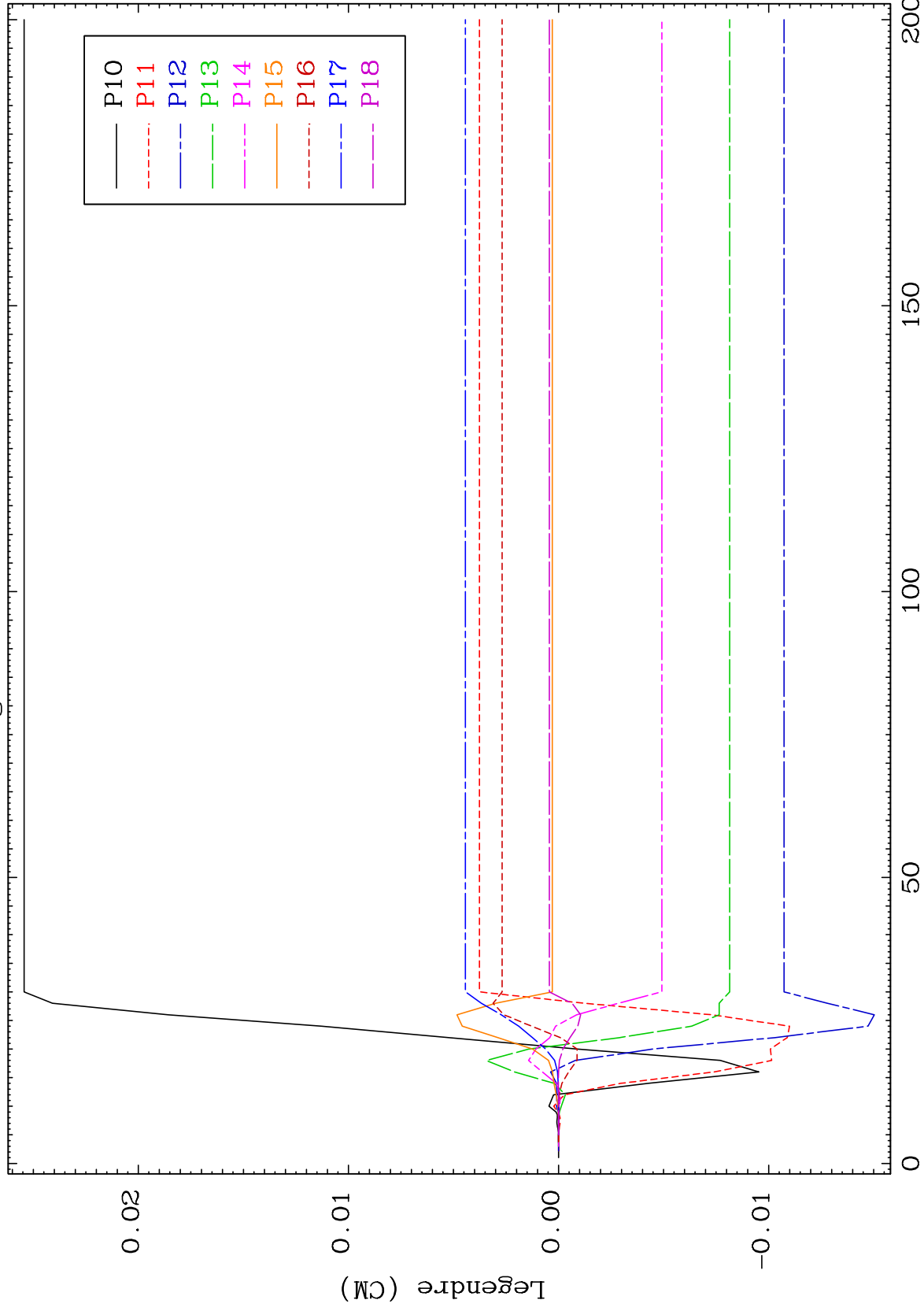
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

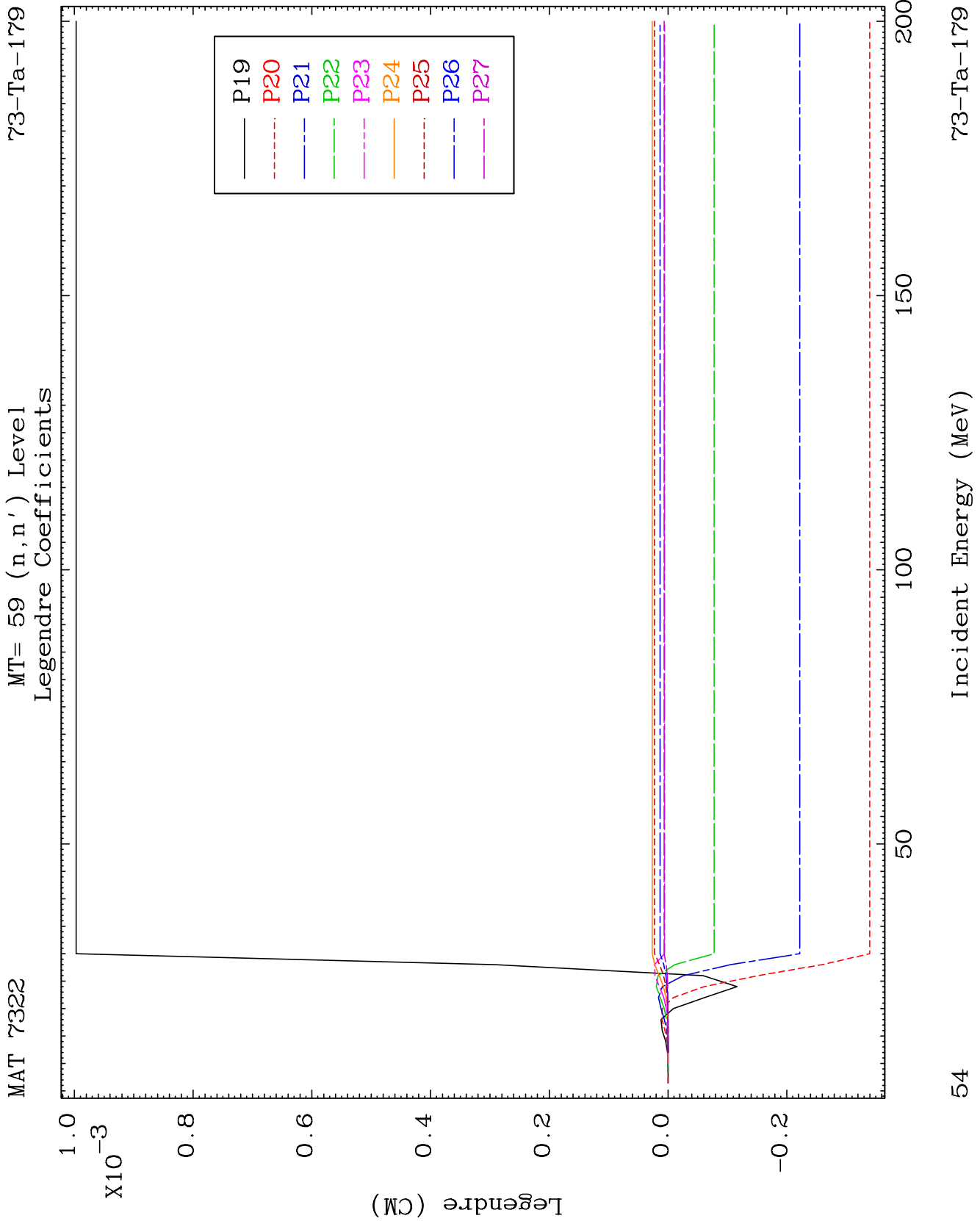
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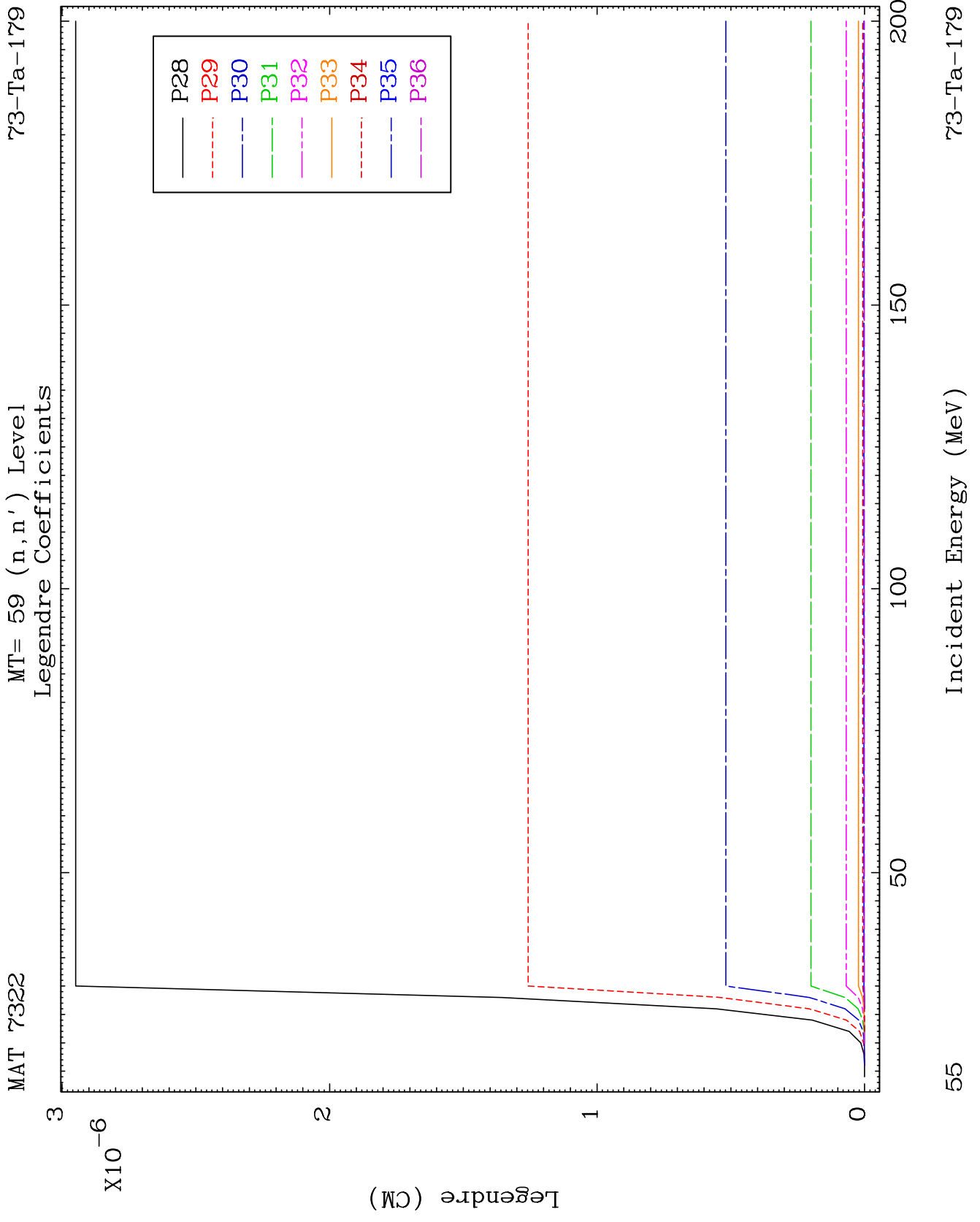


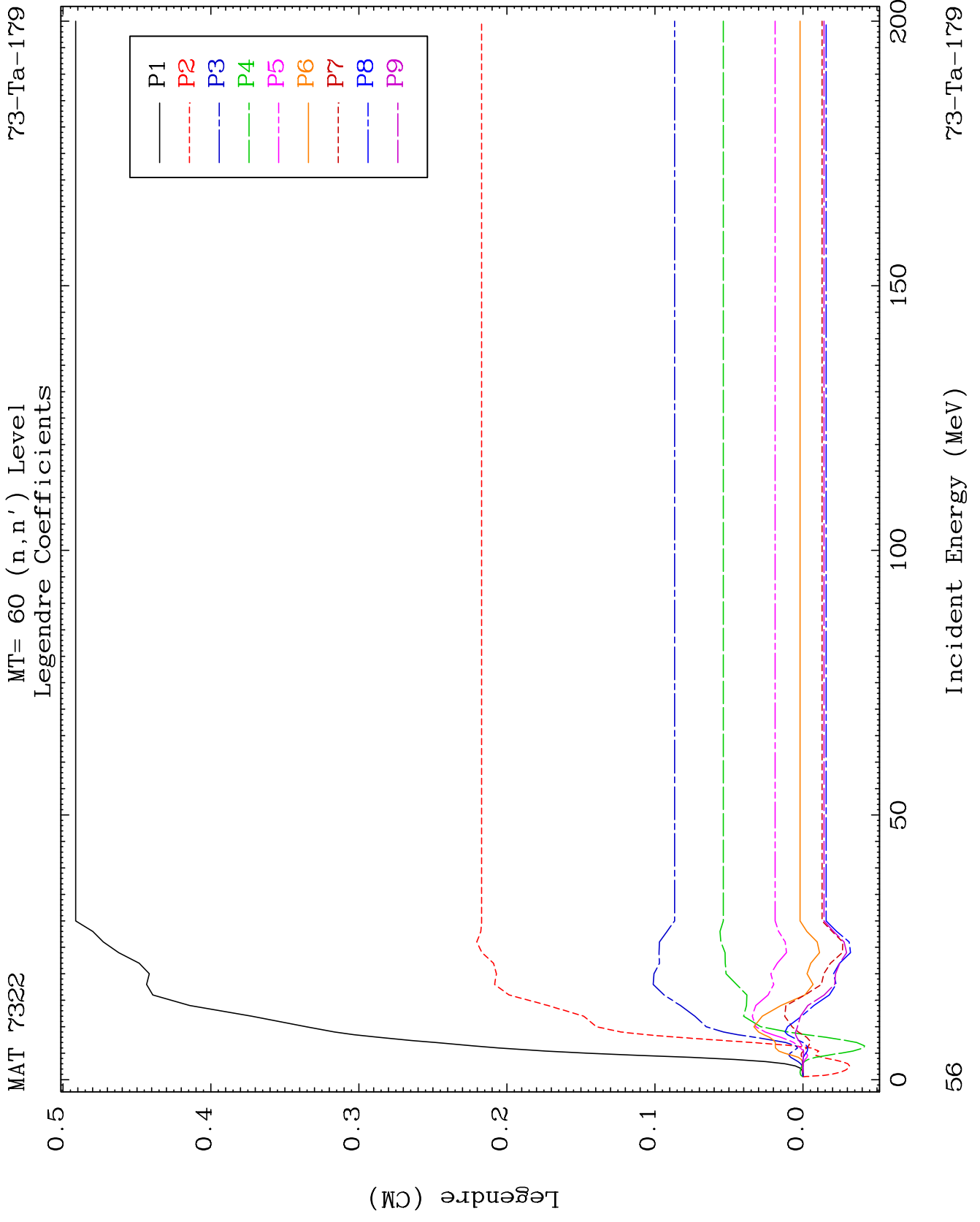
53

Incident Energy (MeV)

73-Ta-179



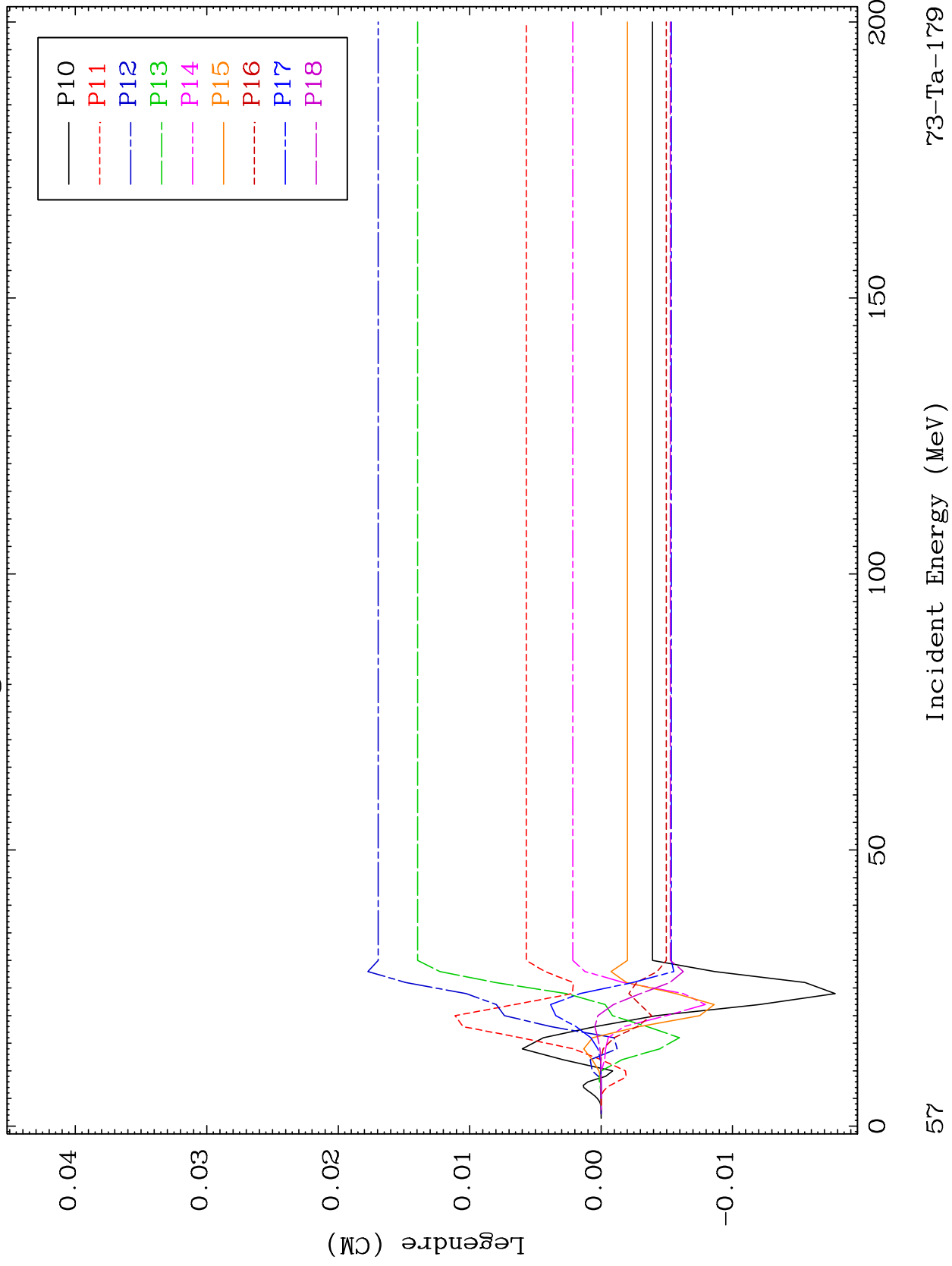




MAT 7322

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

73-Ta-179



57

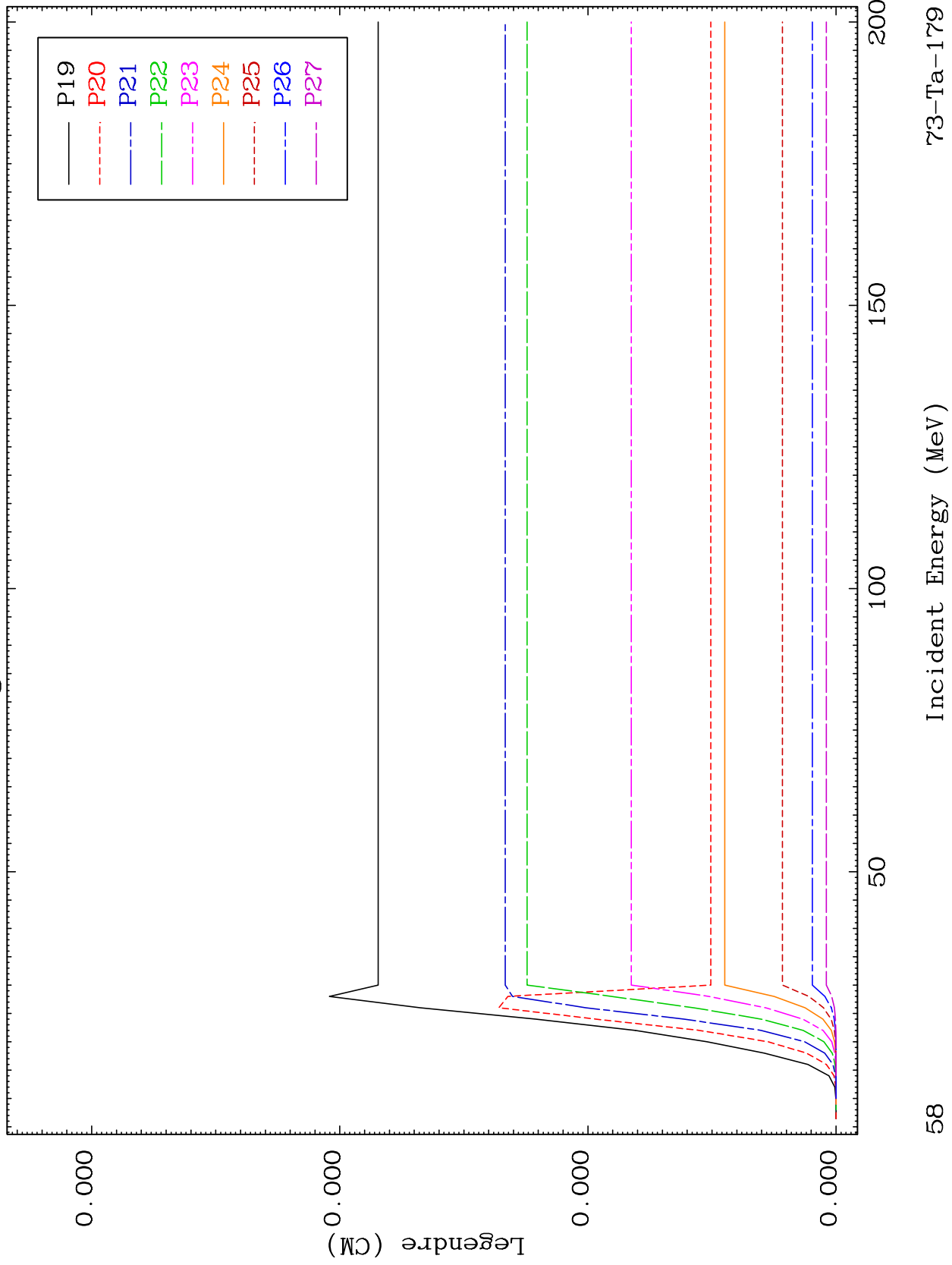
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



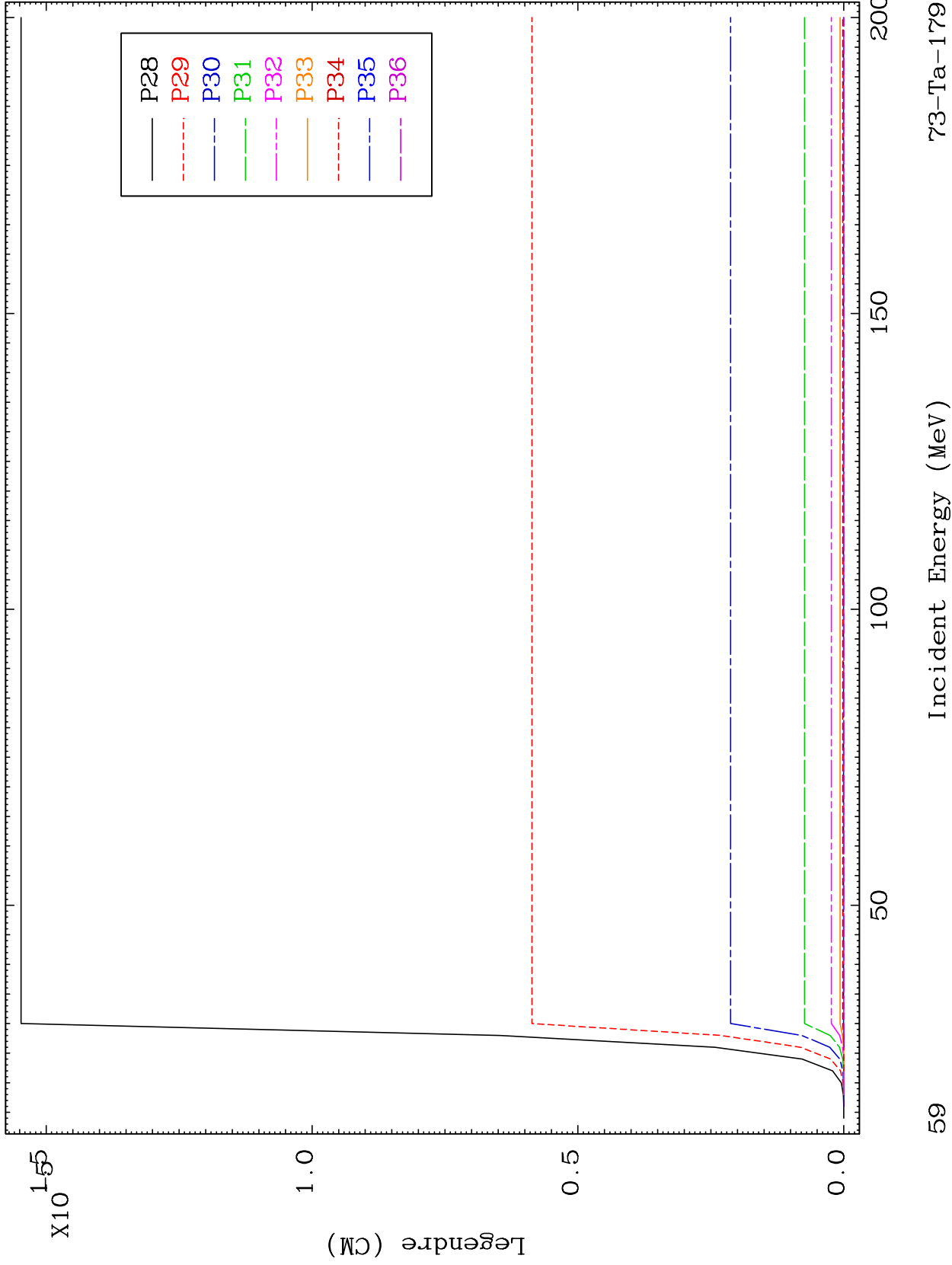
58

73-Ta-179

MAT 7322

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

73-Ta-179

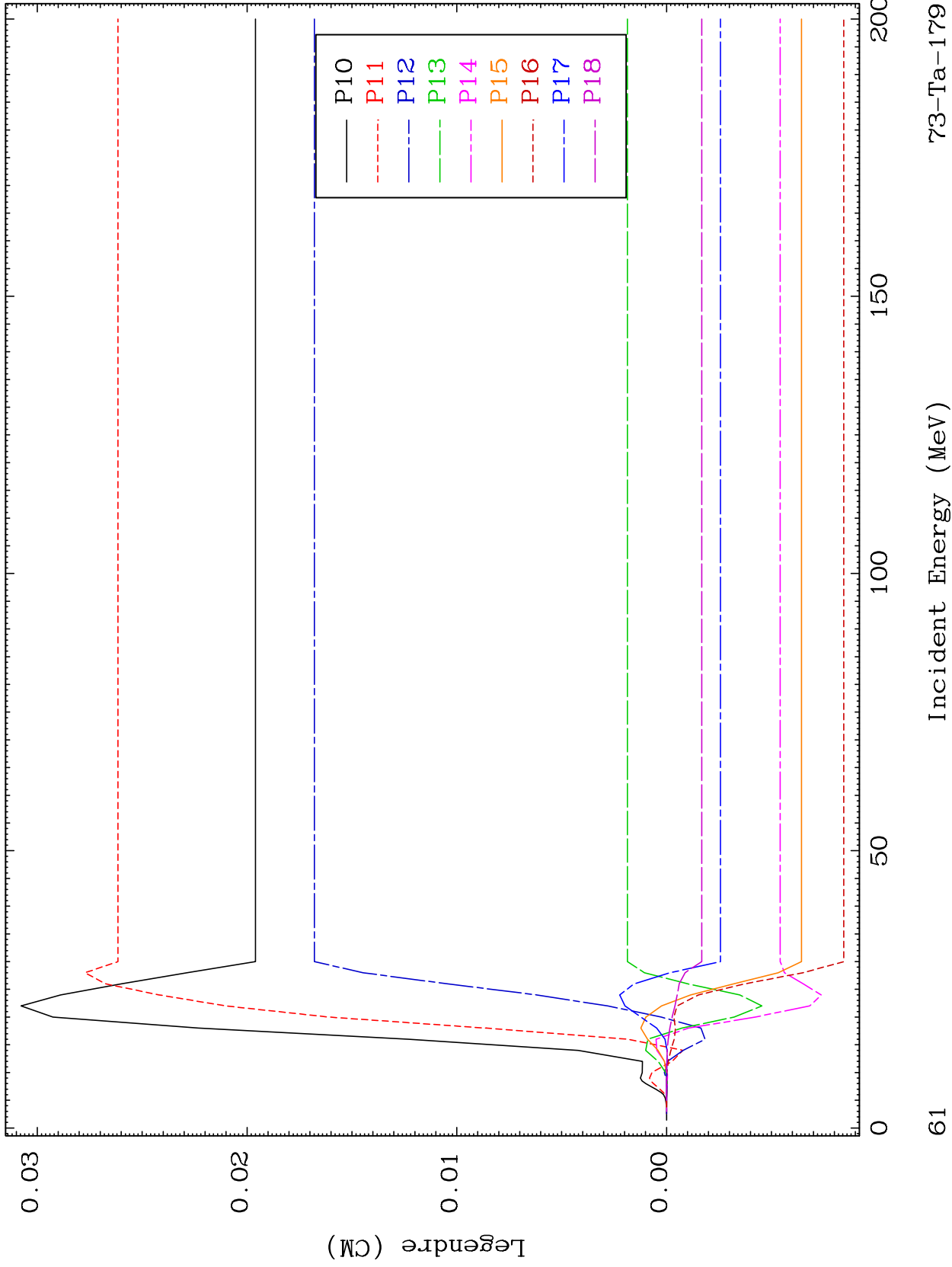


59

MAT 7322

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

73-Ta-179



61

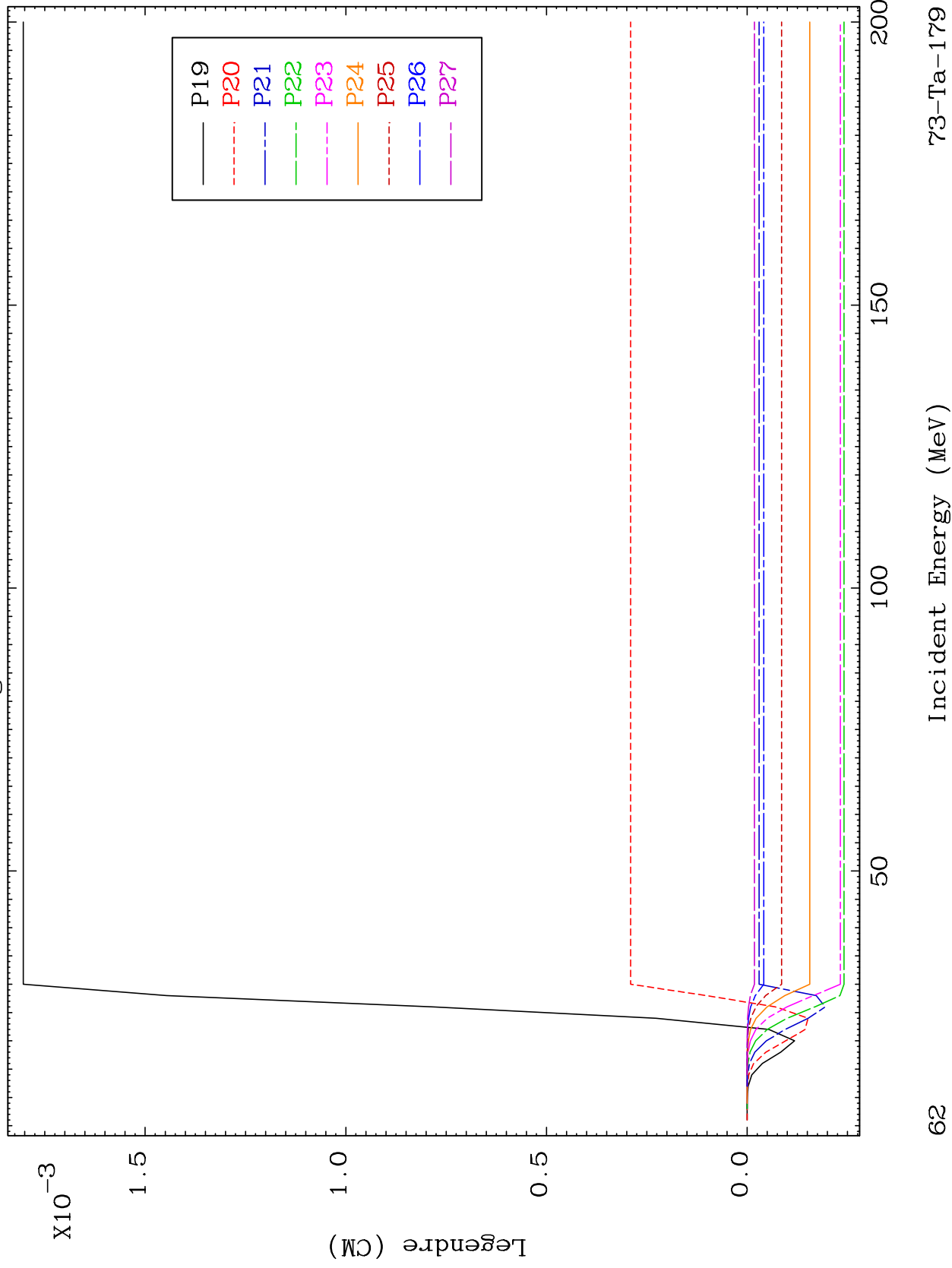
Incident Energy (MeV)

73-Ta-179

MAT 7322

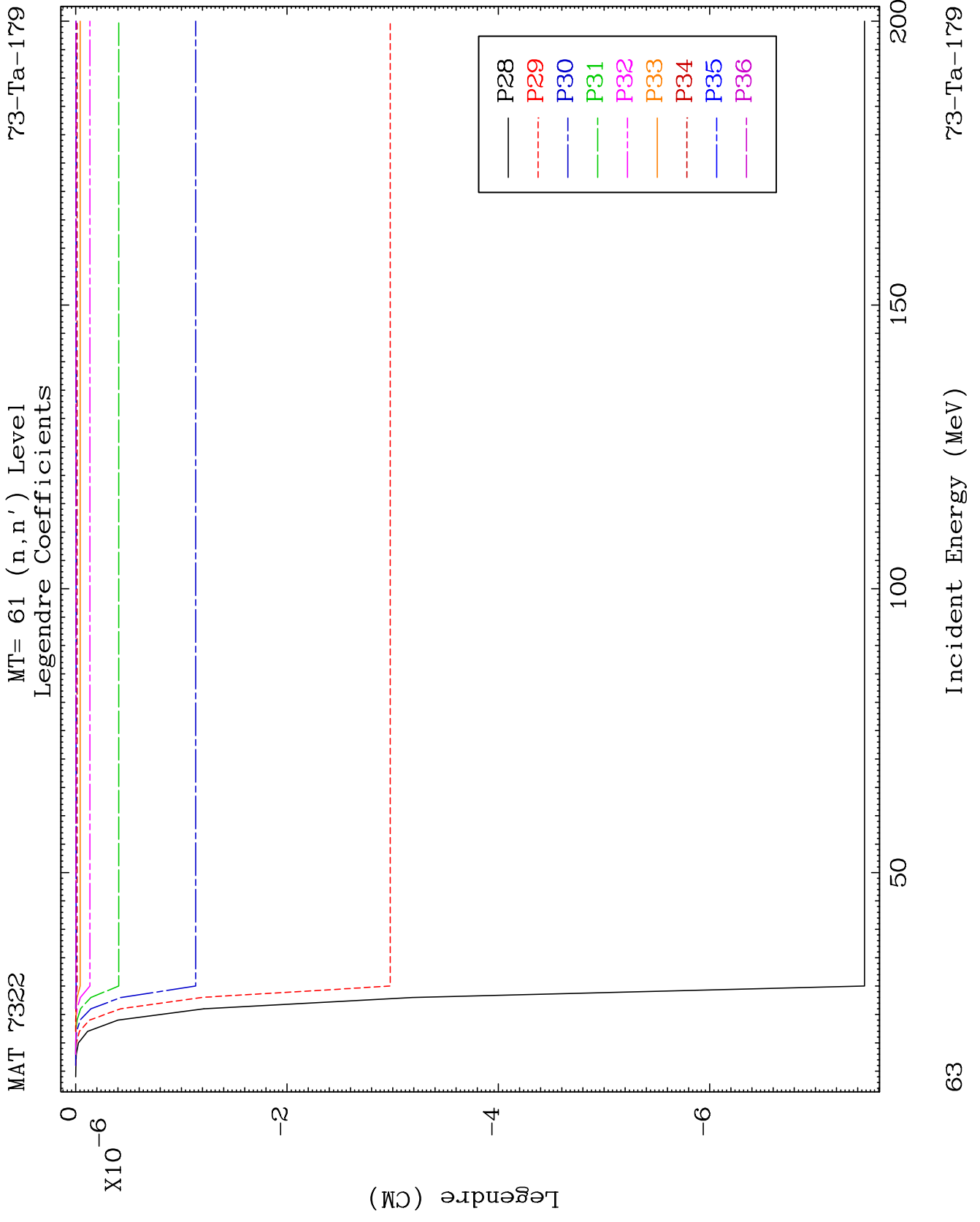
MT= 61 (n,n') Level
Legendre Coefficients

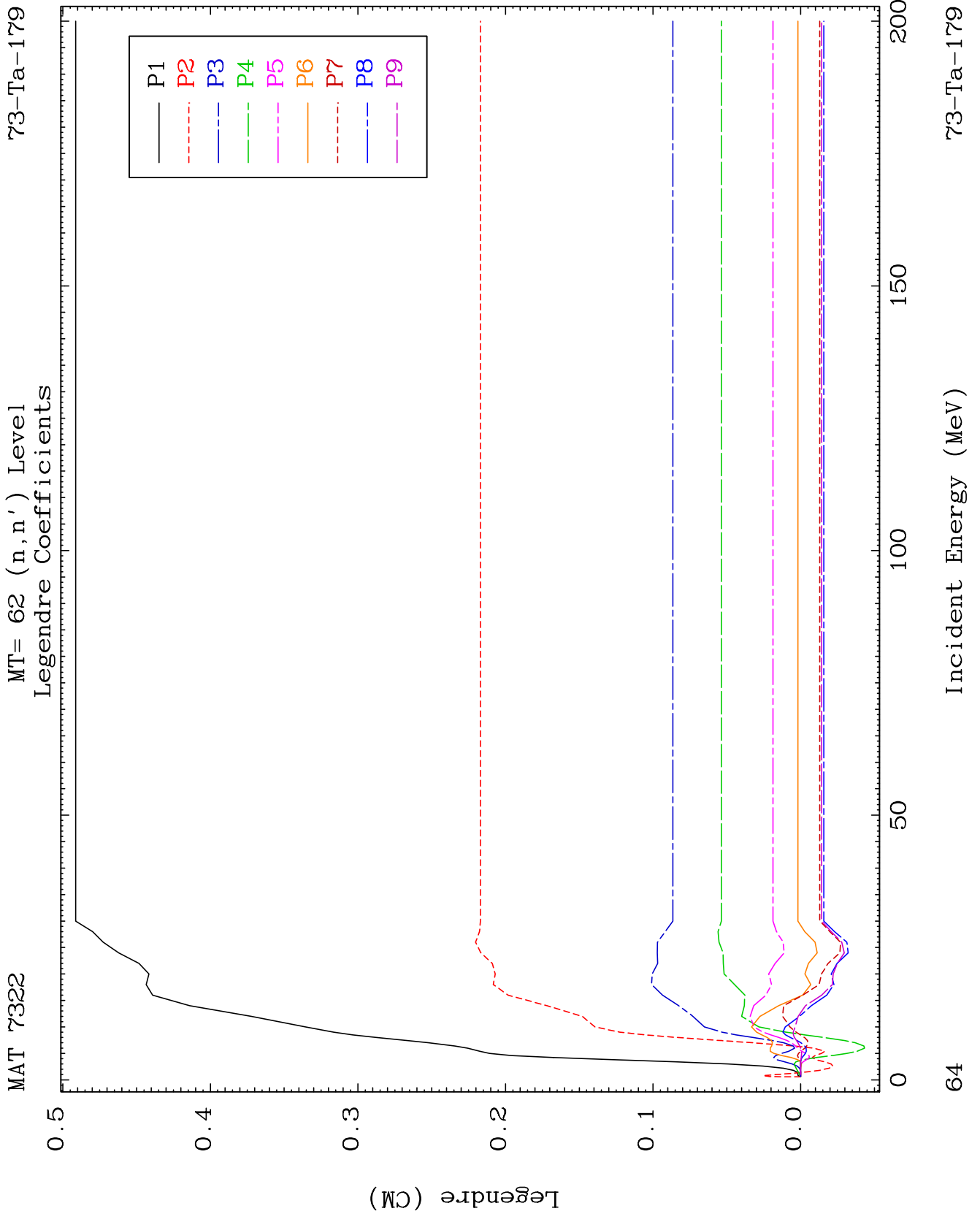
73-Ta-179



62

73-Ta-179

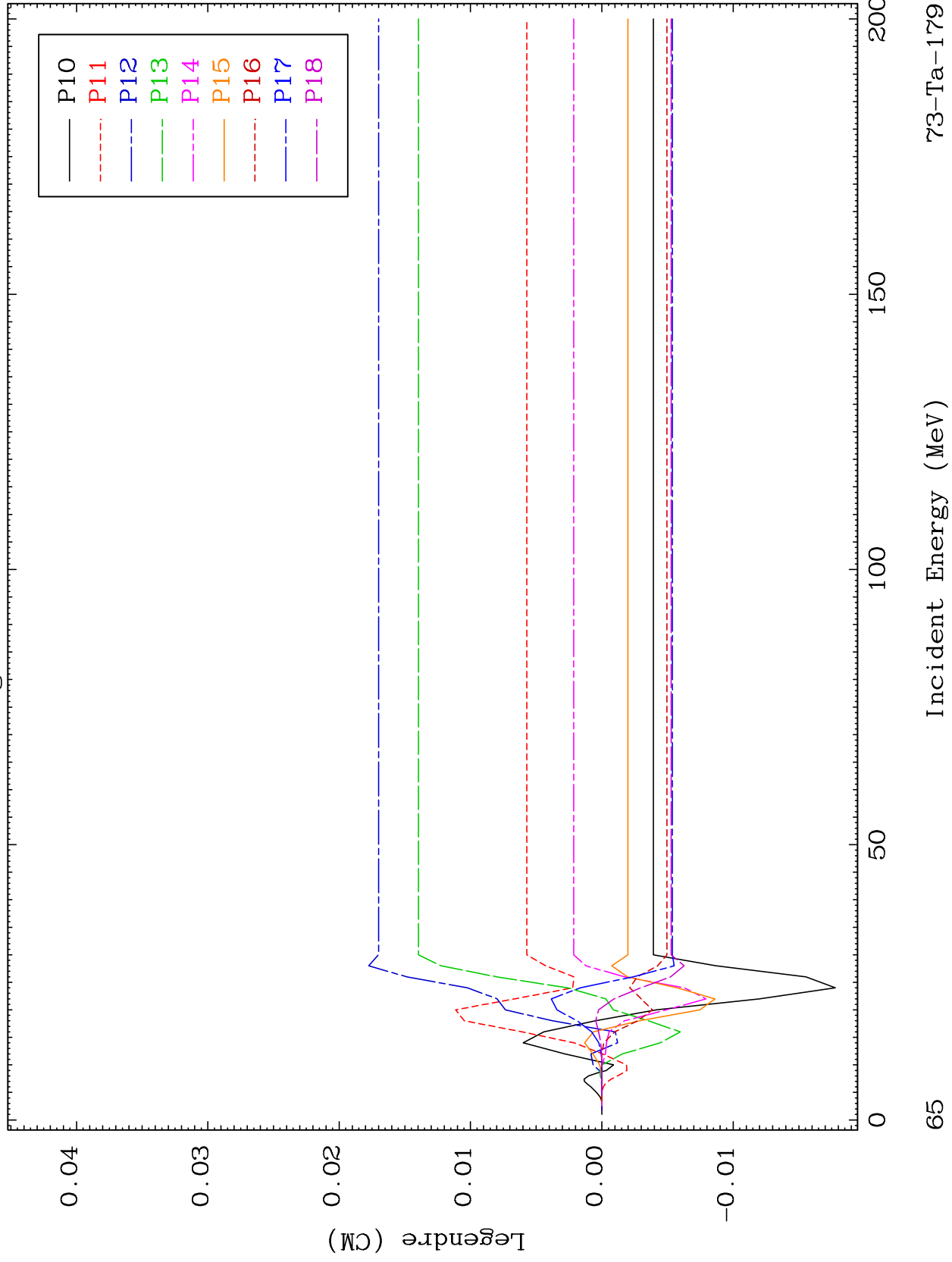




MAT 7322

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

73-Ta-179



73-Ta-179

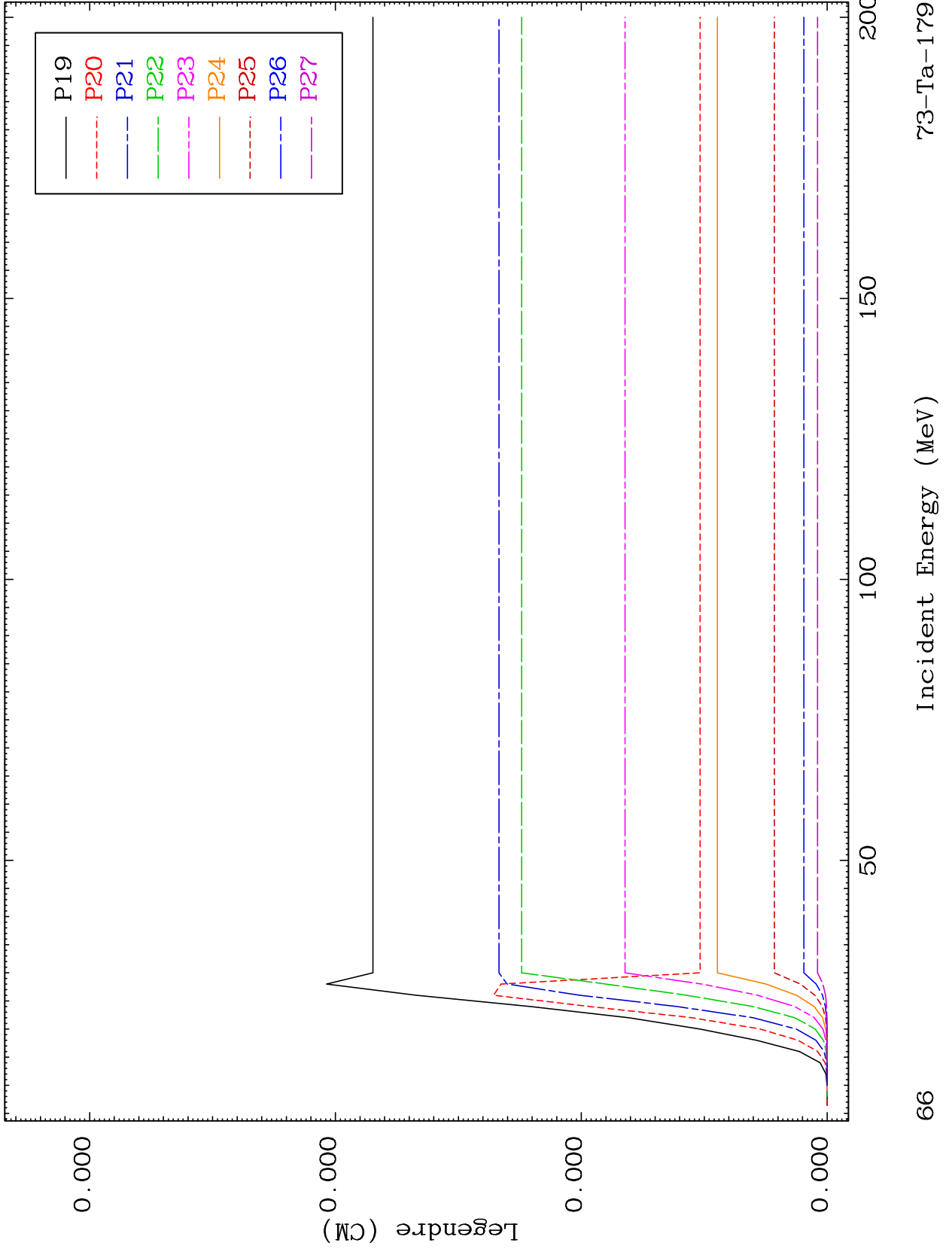
Incident Energy (MeV)

65

MAT 7322

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

73-Ta-179



66

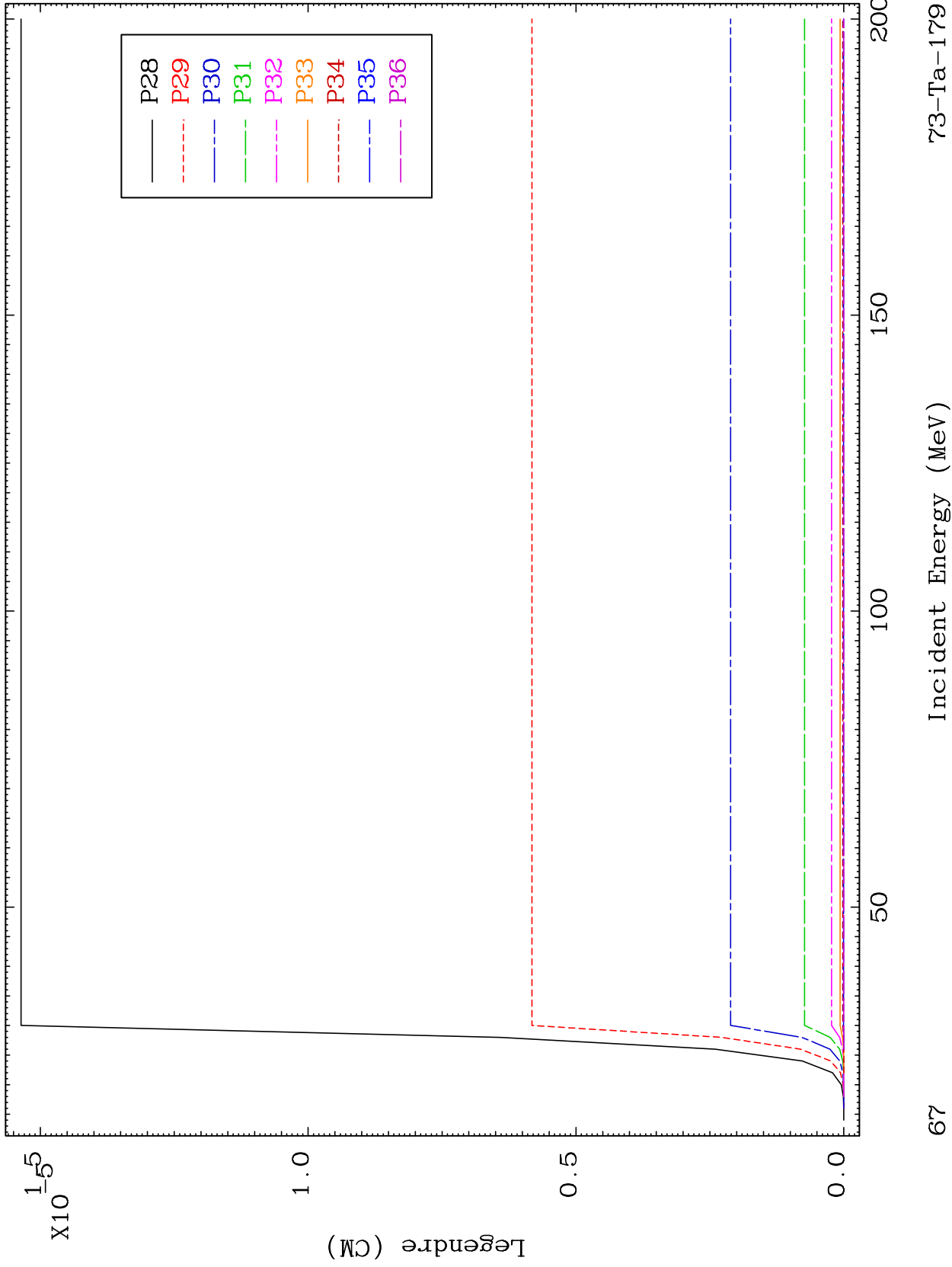
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

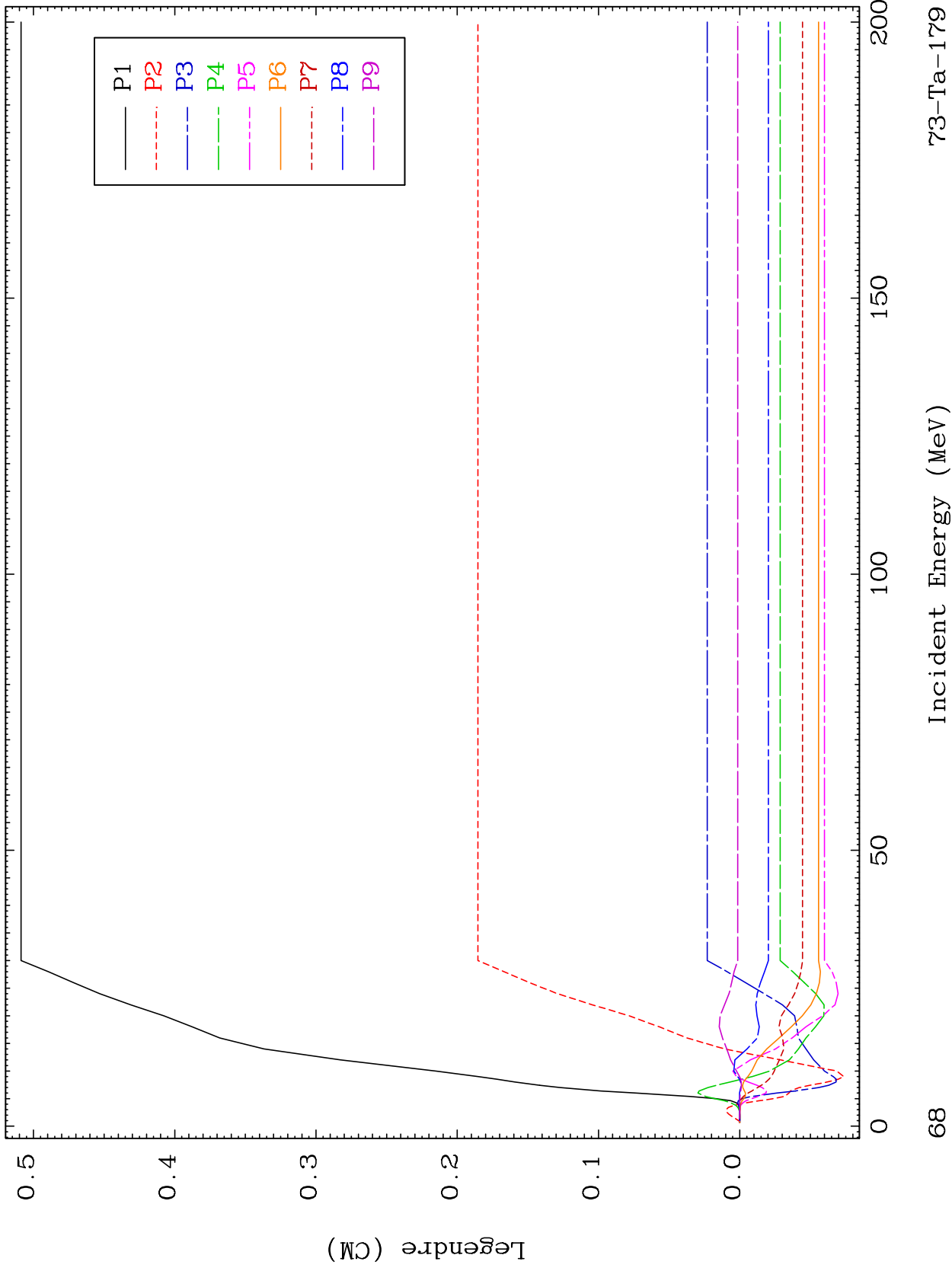
73-Ta-179



MAT 7322

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

73-Ta-179



73-Ta-179

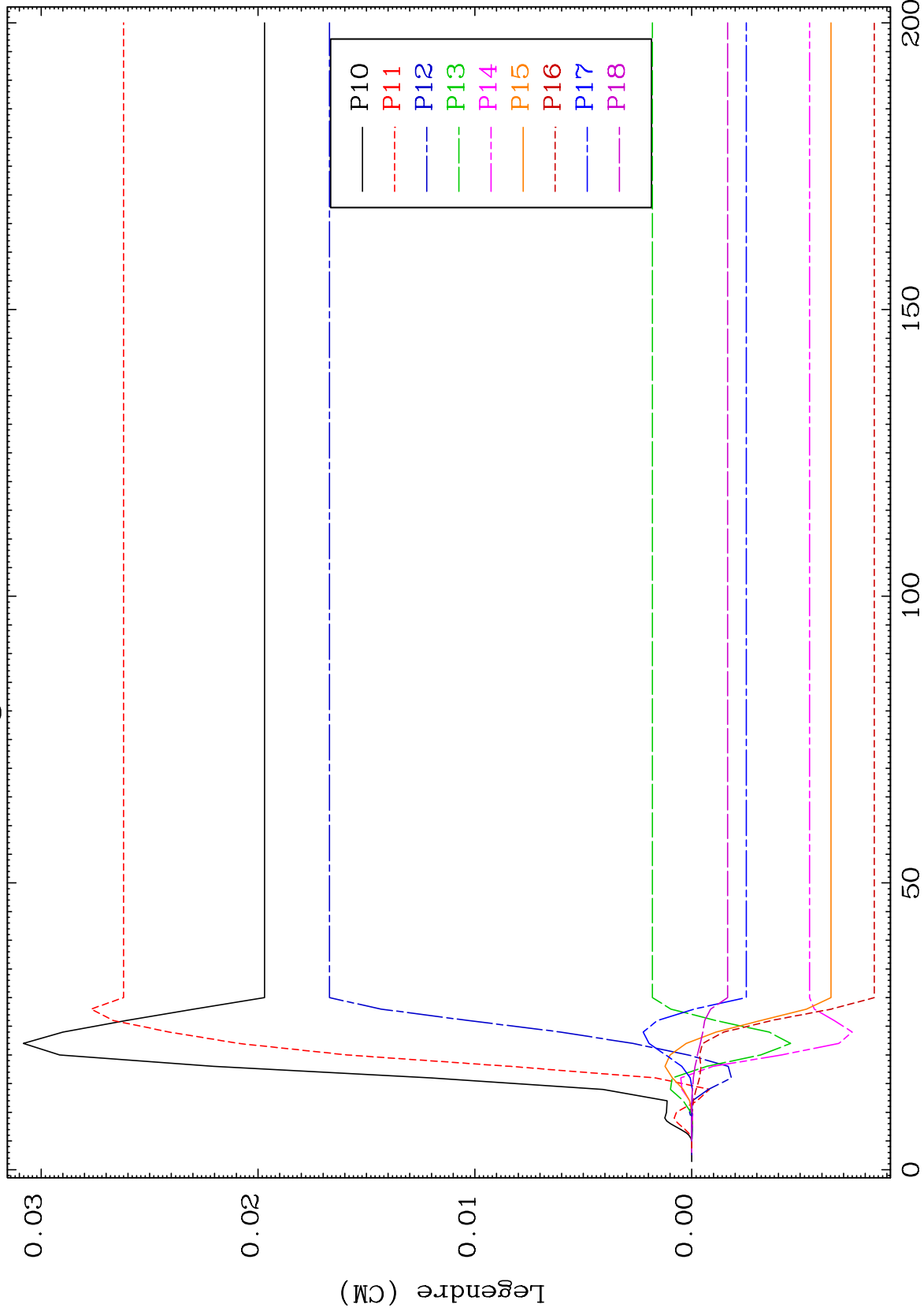
Incident Energy (MeV)

68

MAT 7322

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

73-Ta-179



69

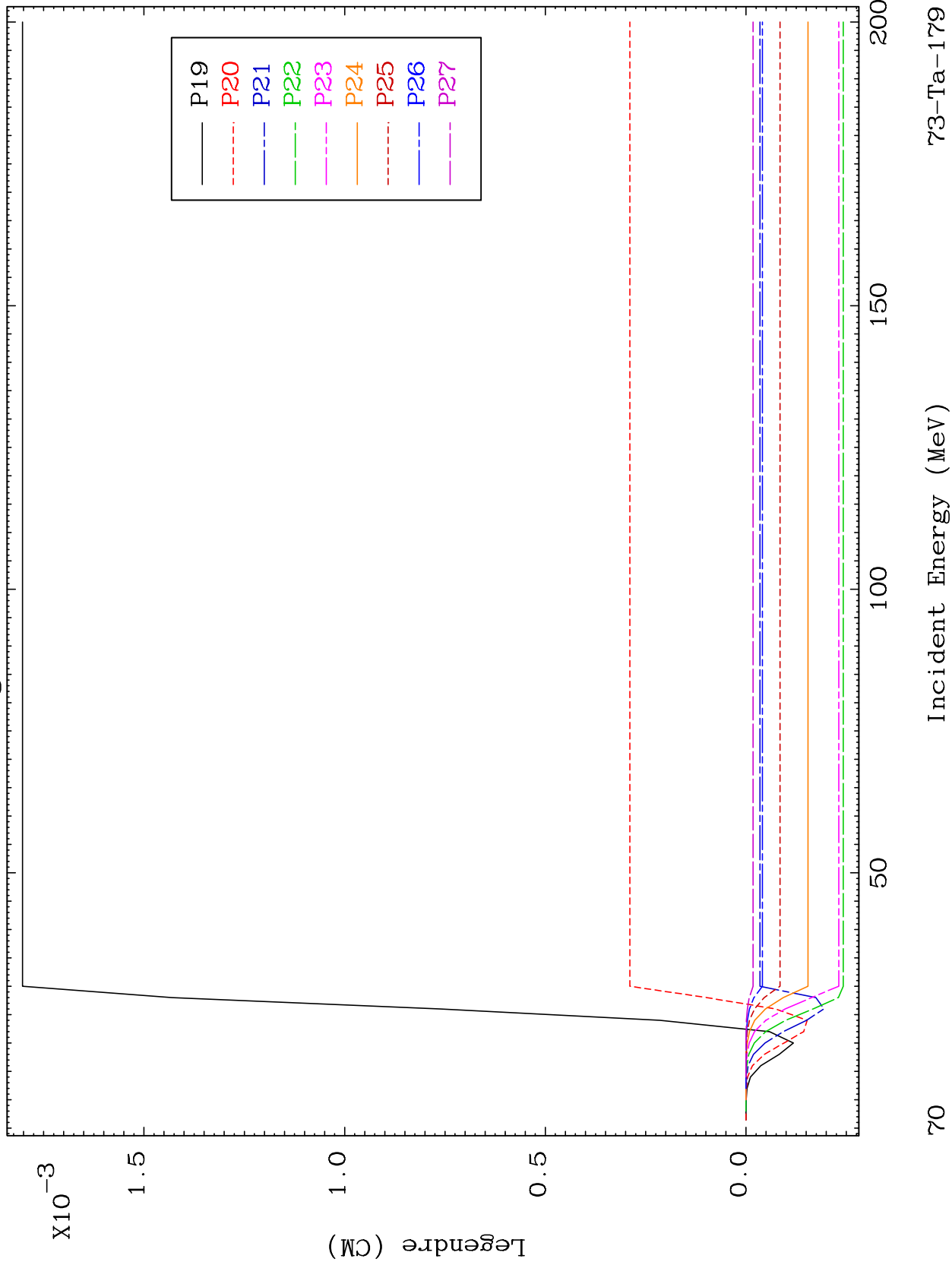
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

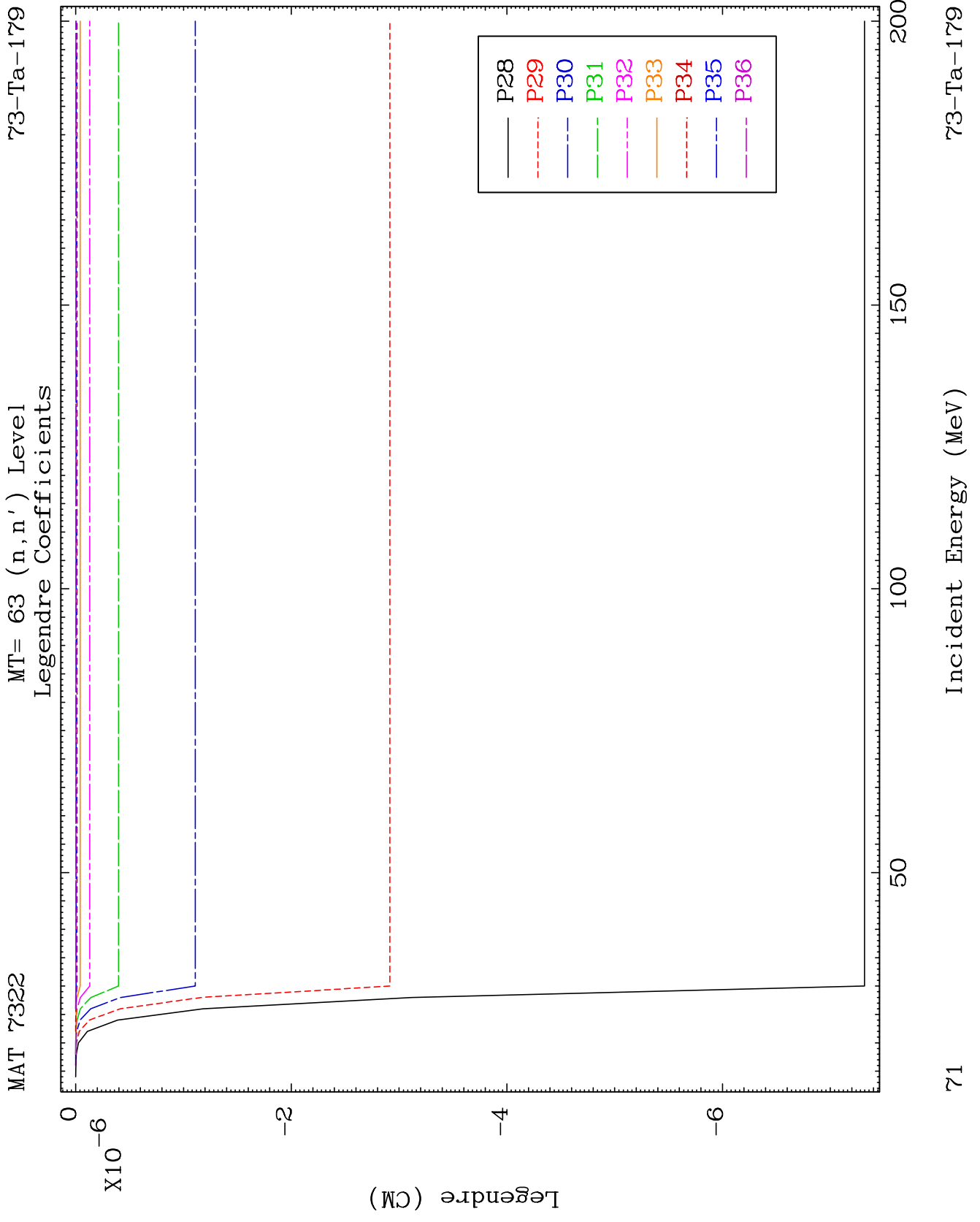
73-Ta-179



70

Incident Energy (MeV)

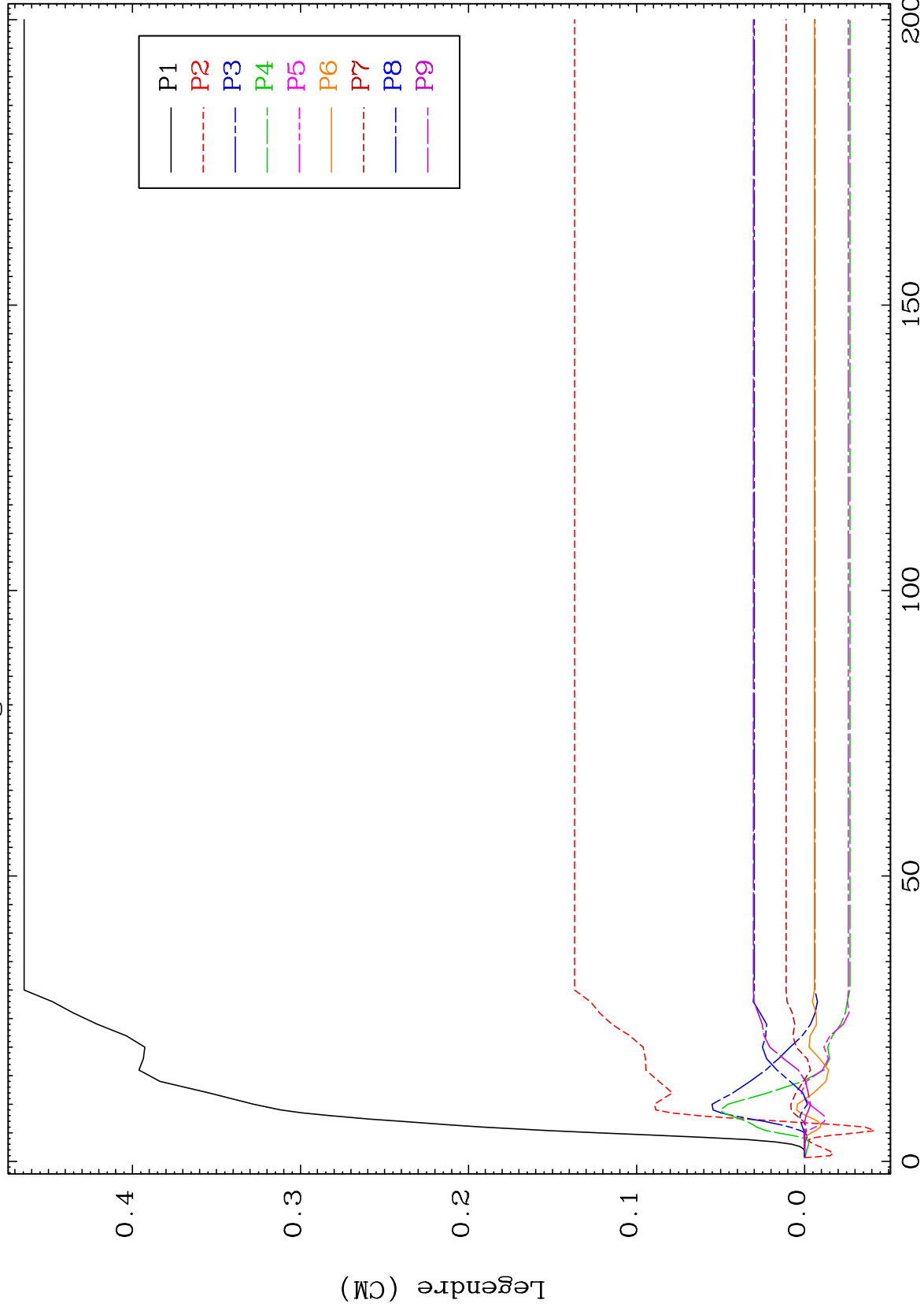
73-Ta-179



MAT 7322

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

73-Ta-179



72

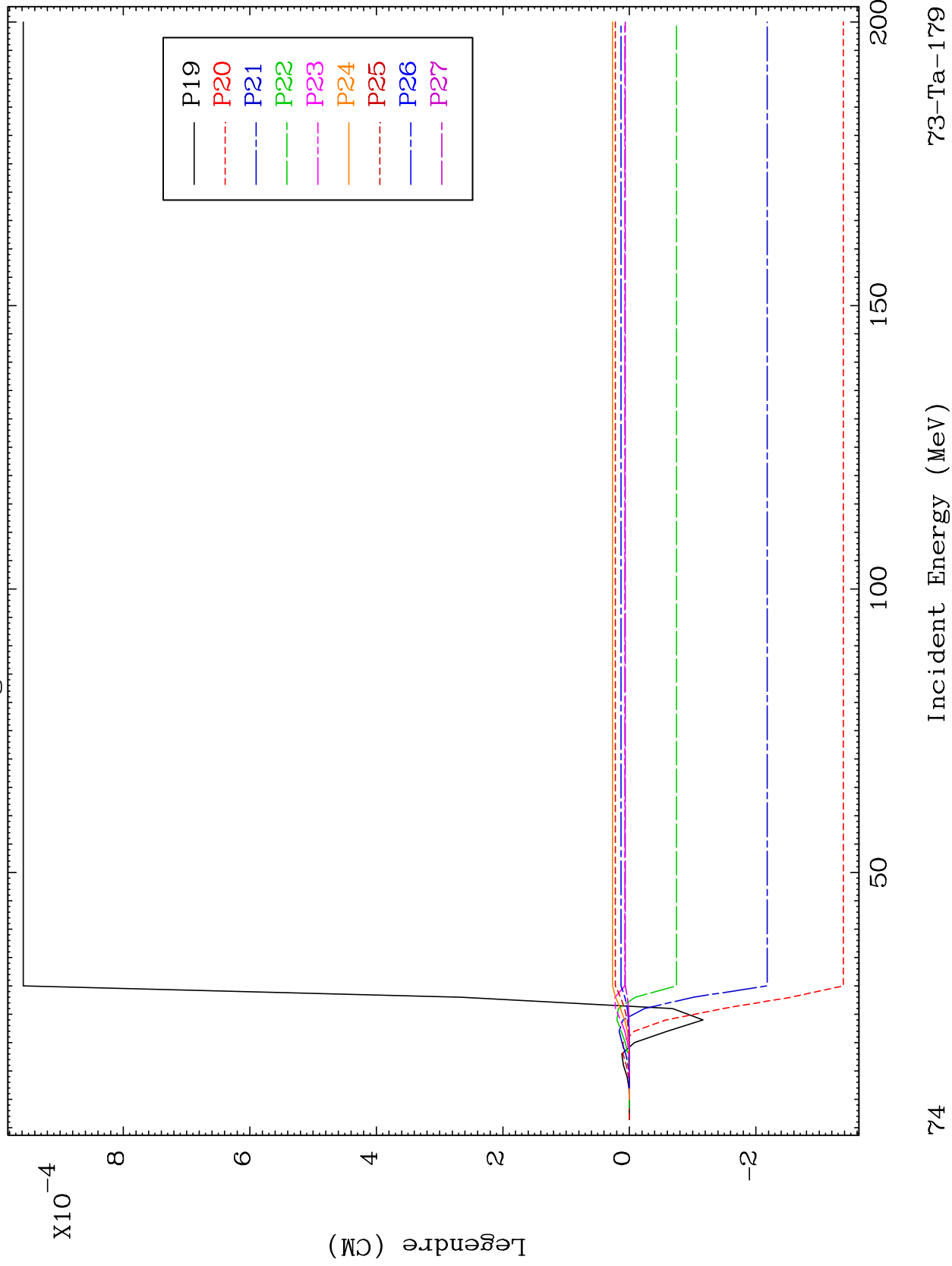
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

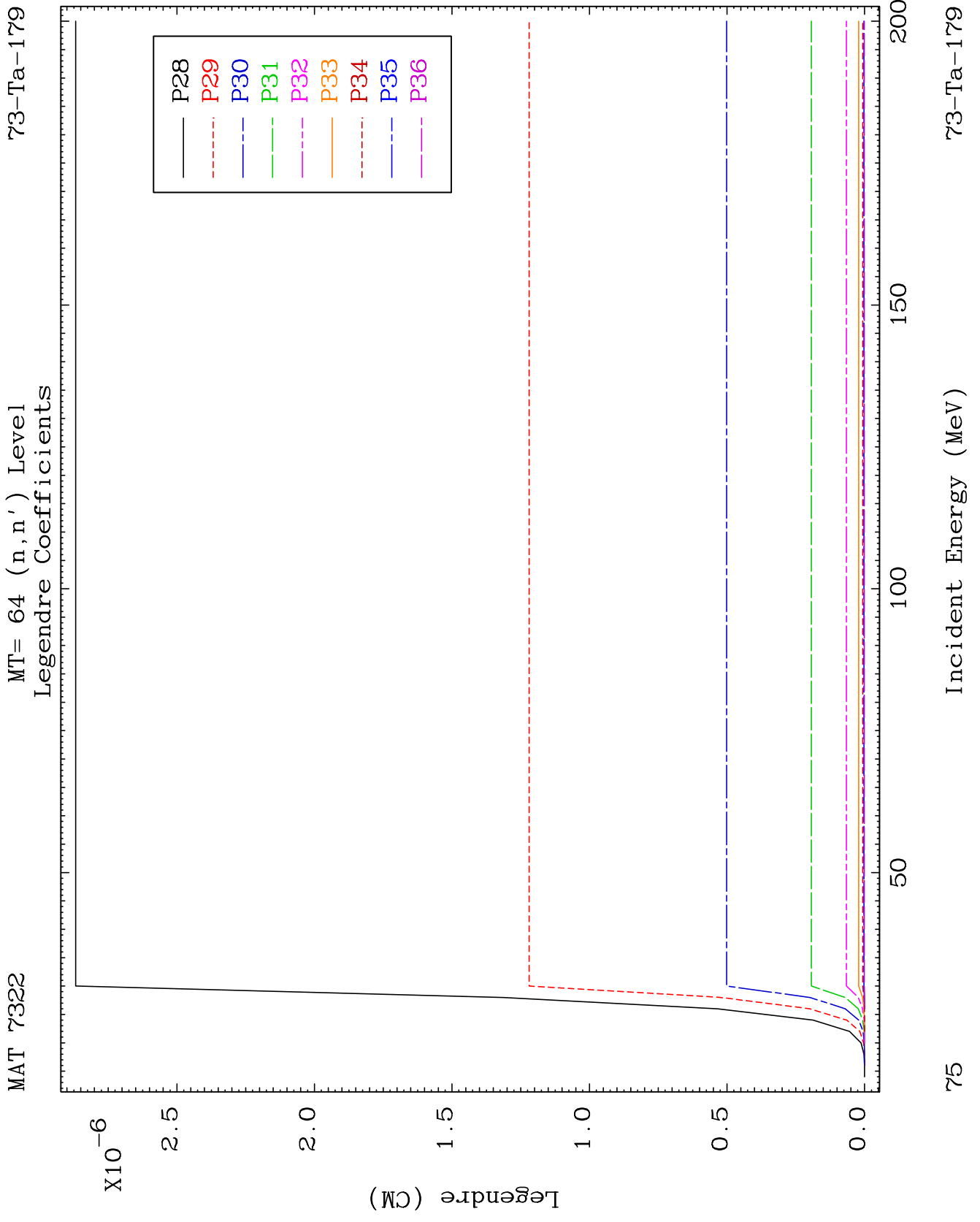
73-Ta-179



74

Incident Energy (MeV)

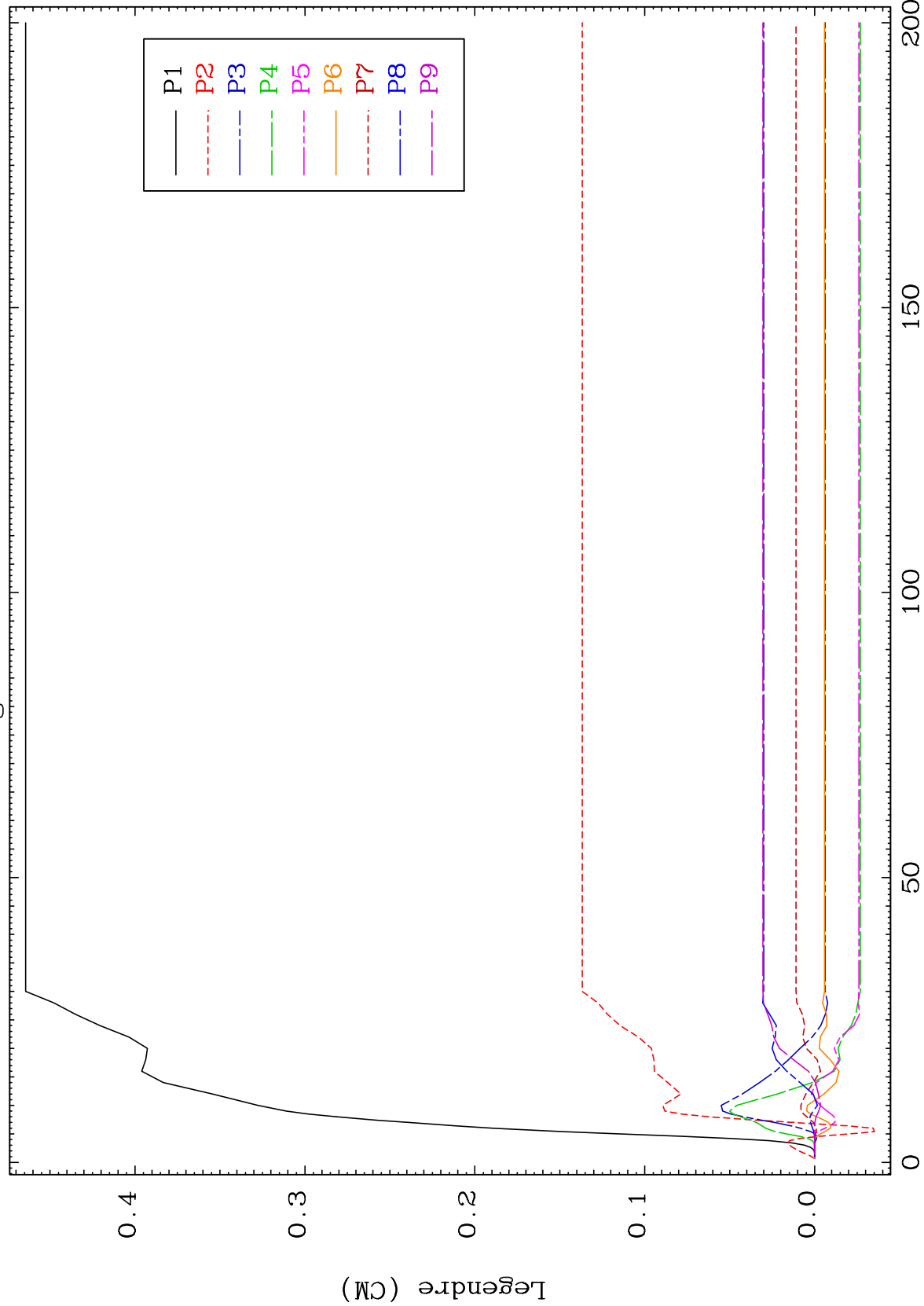
73-Ta-179



MAT 7322

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

73-Ta-179



76

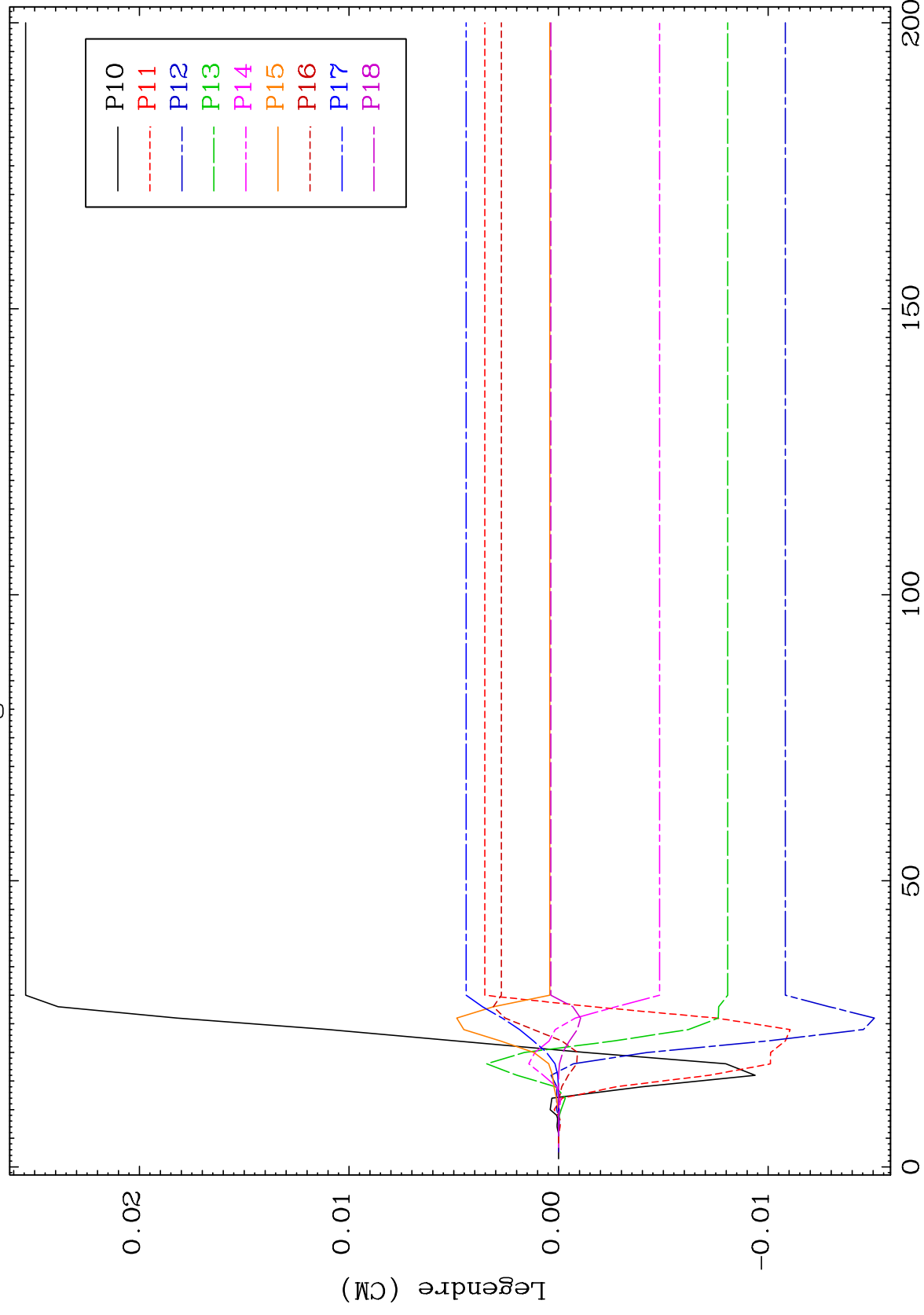
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



77

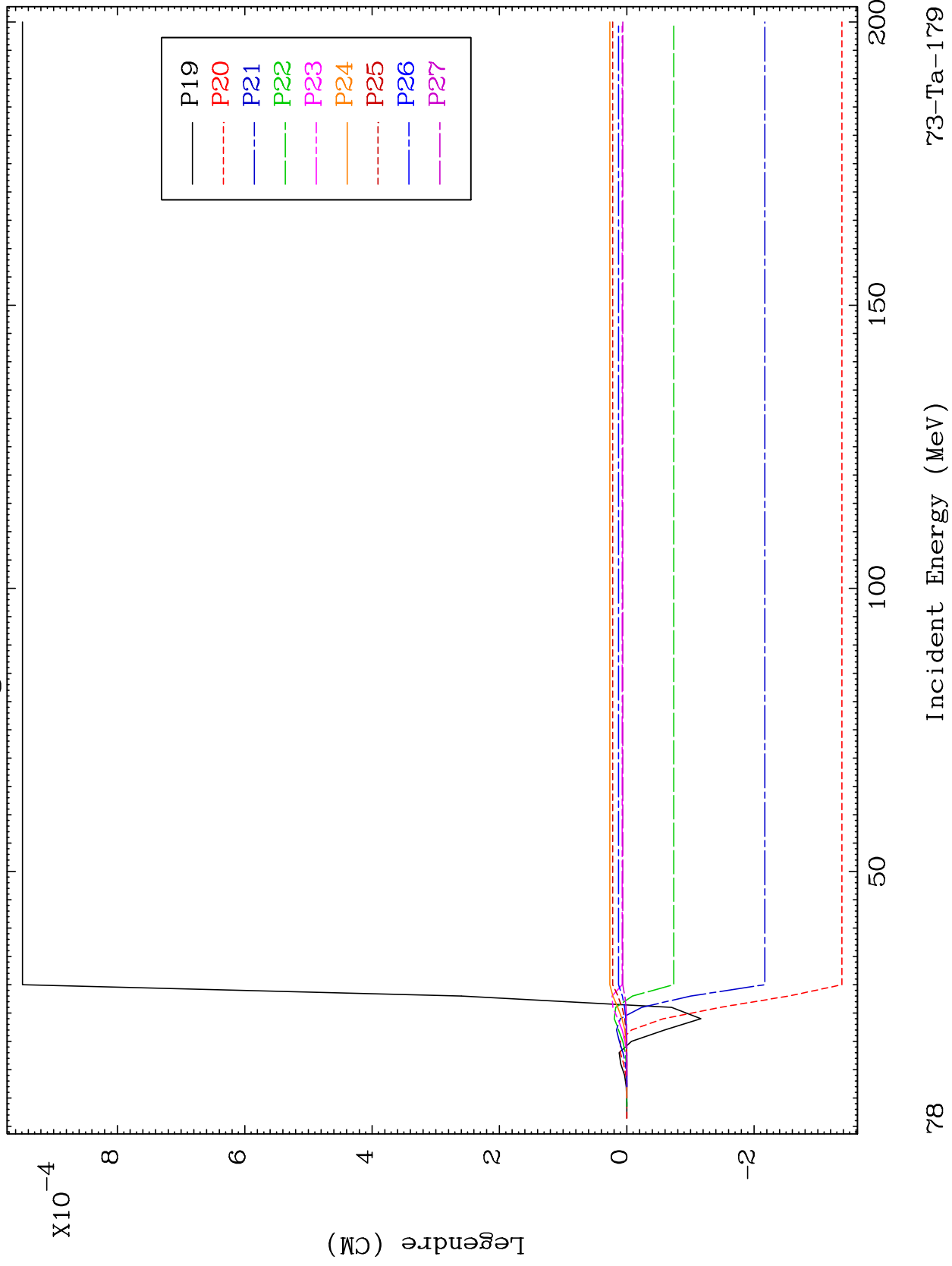
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

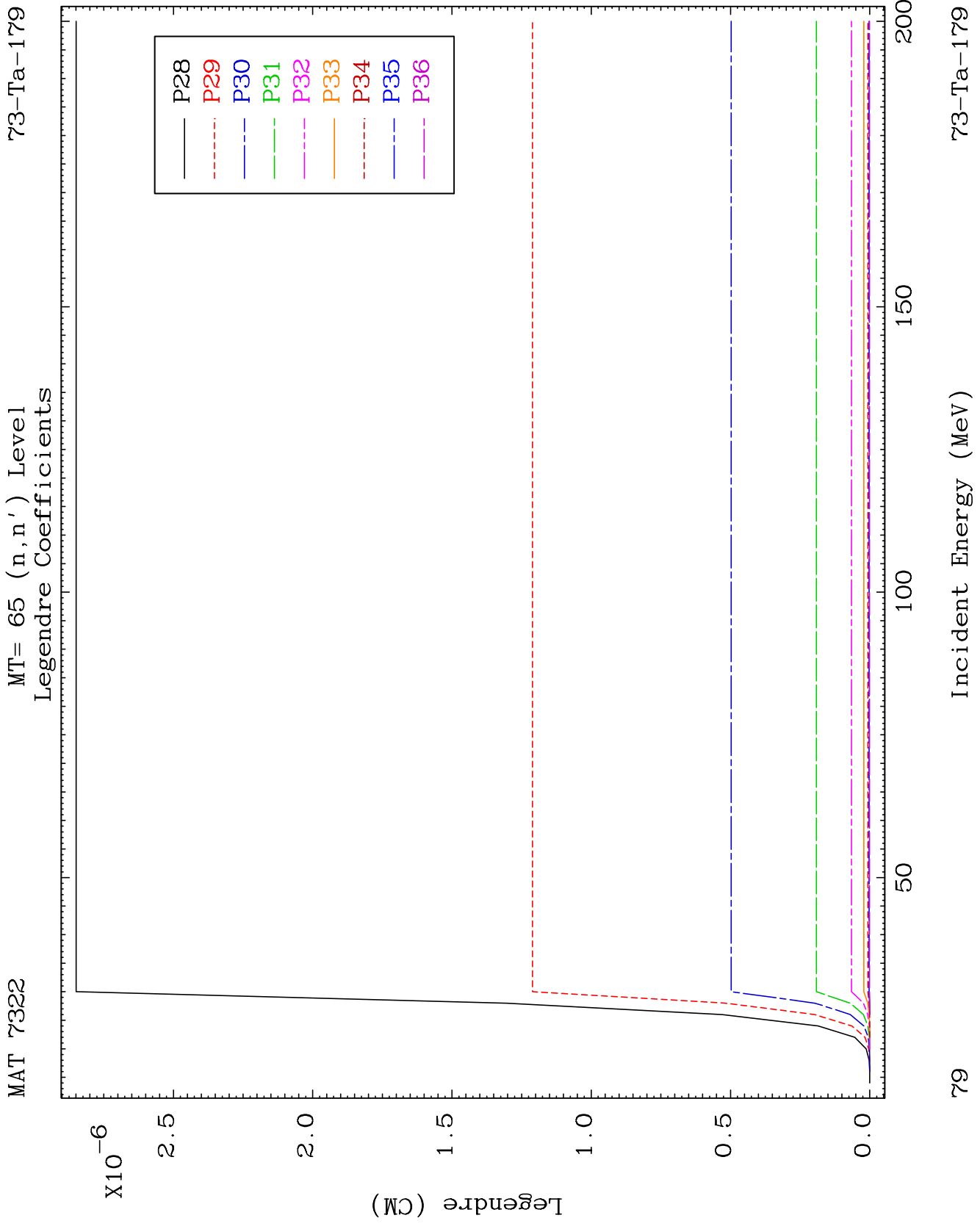
73-Ta-179



78

Incident Energy (MeV)

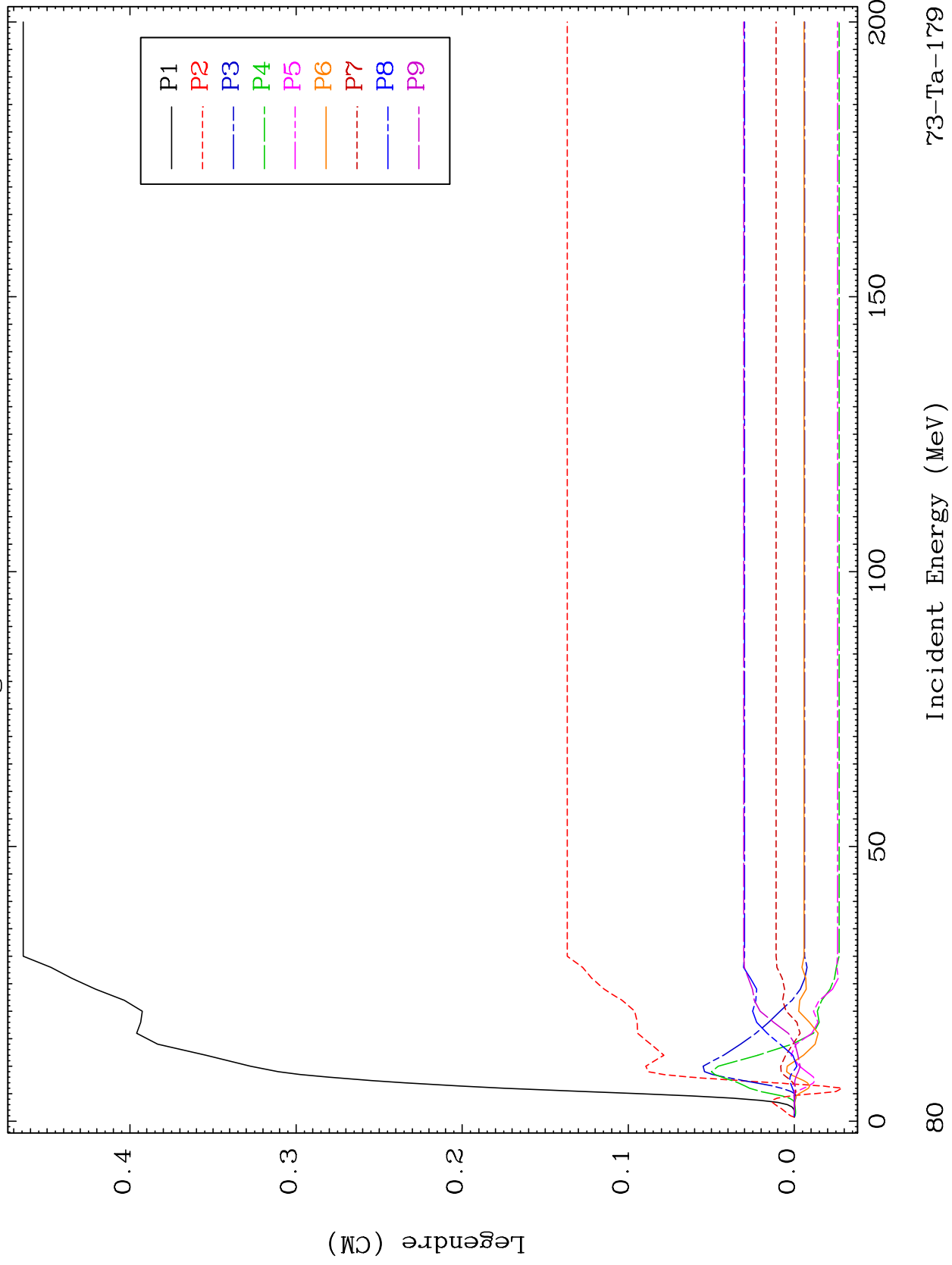
73-Ta-179



MAT 7322

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

73-Ta-179

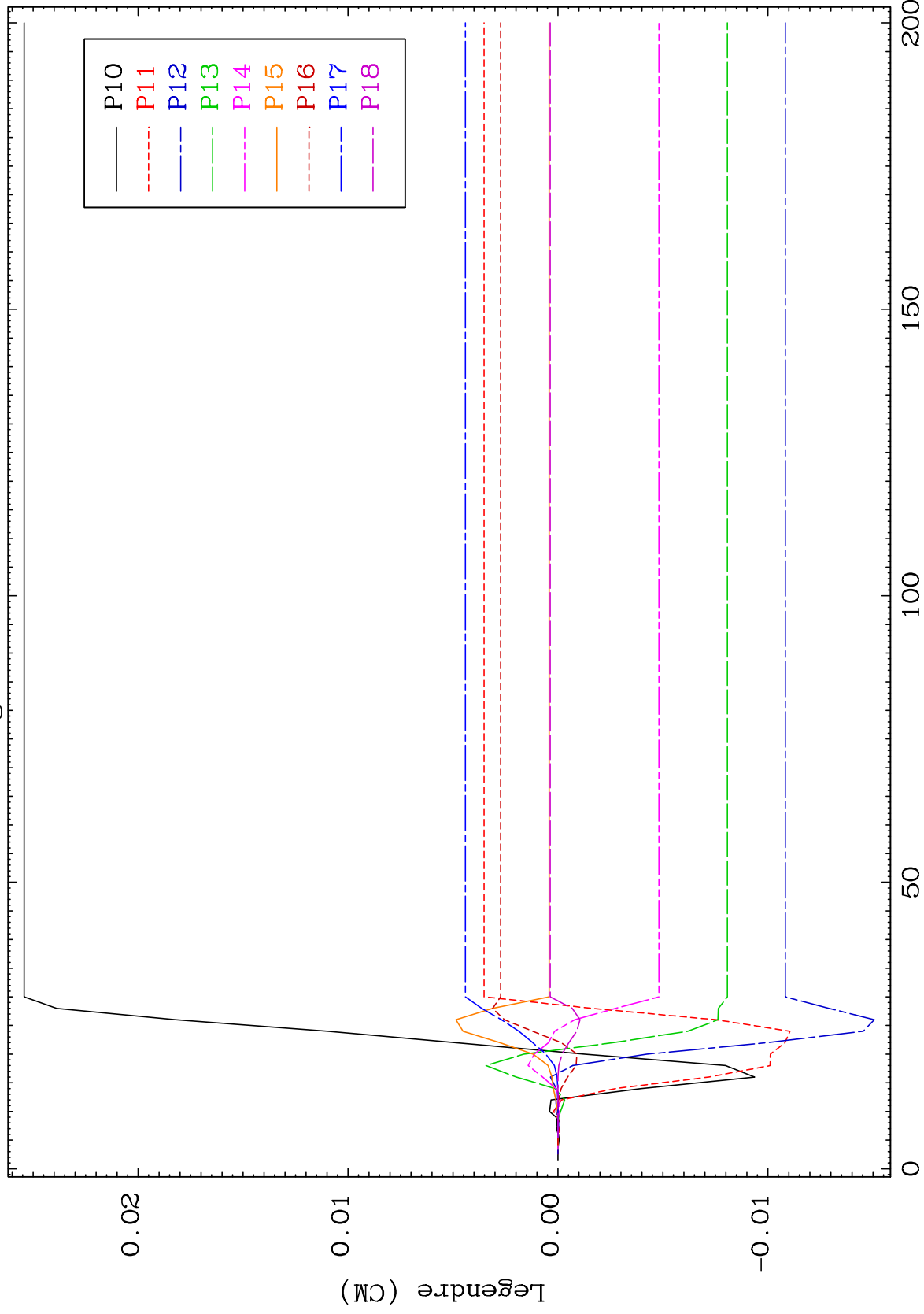


73-Ta-179

MAT 7322

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

73-Ta-179



81

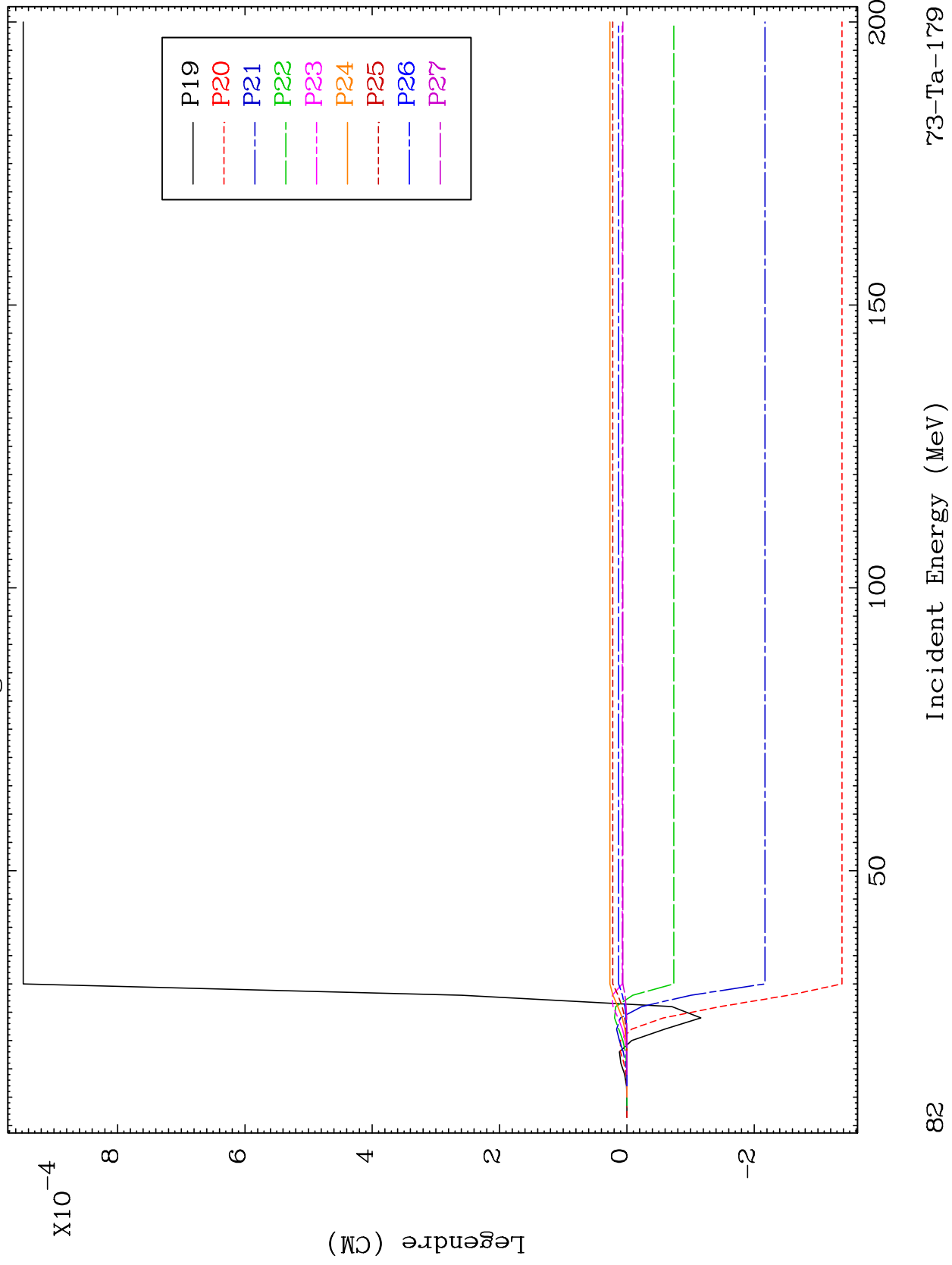
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179

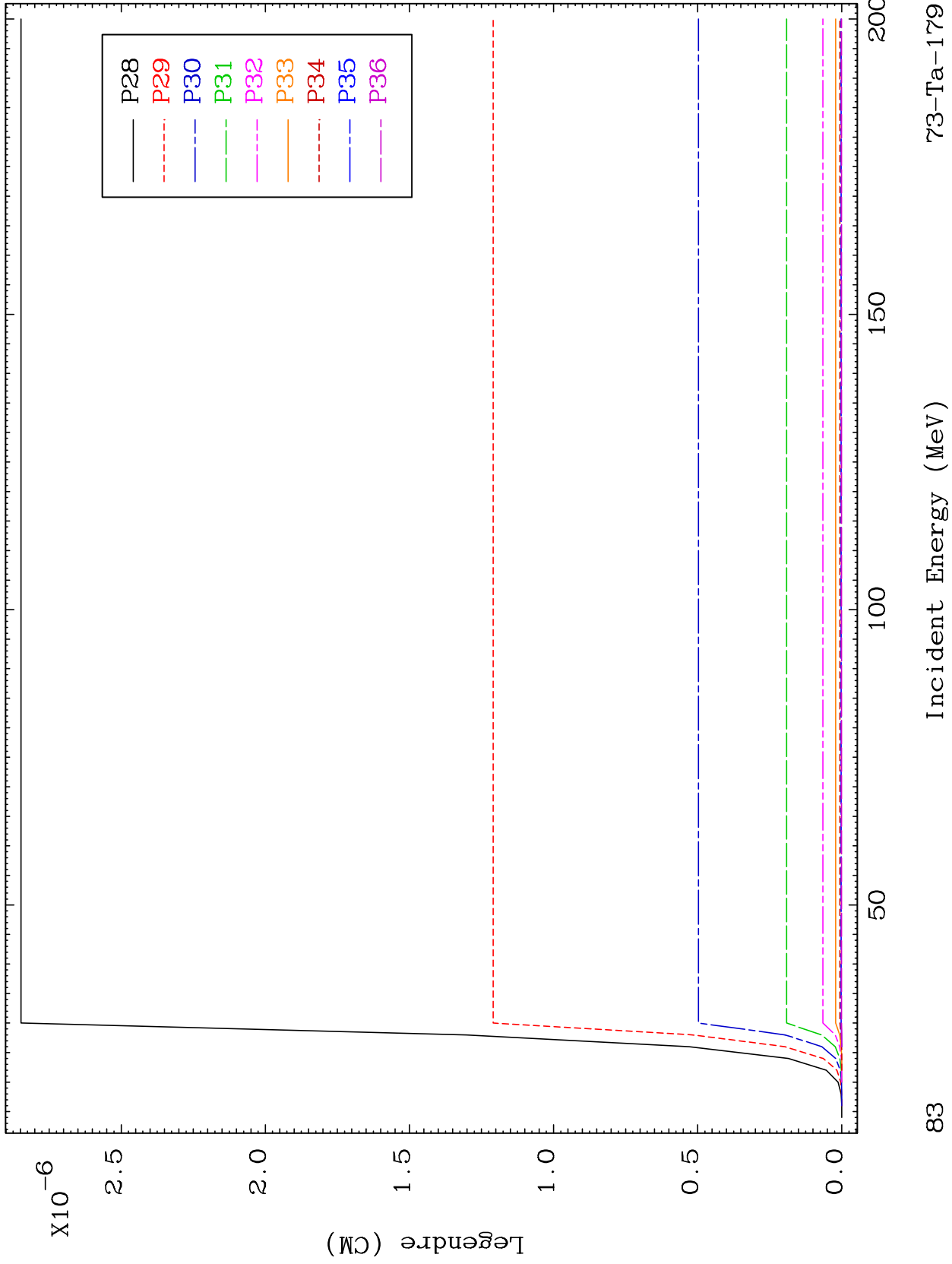


82

MAT 7322

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

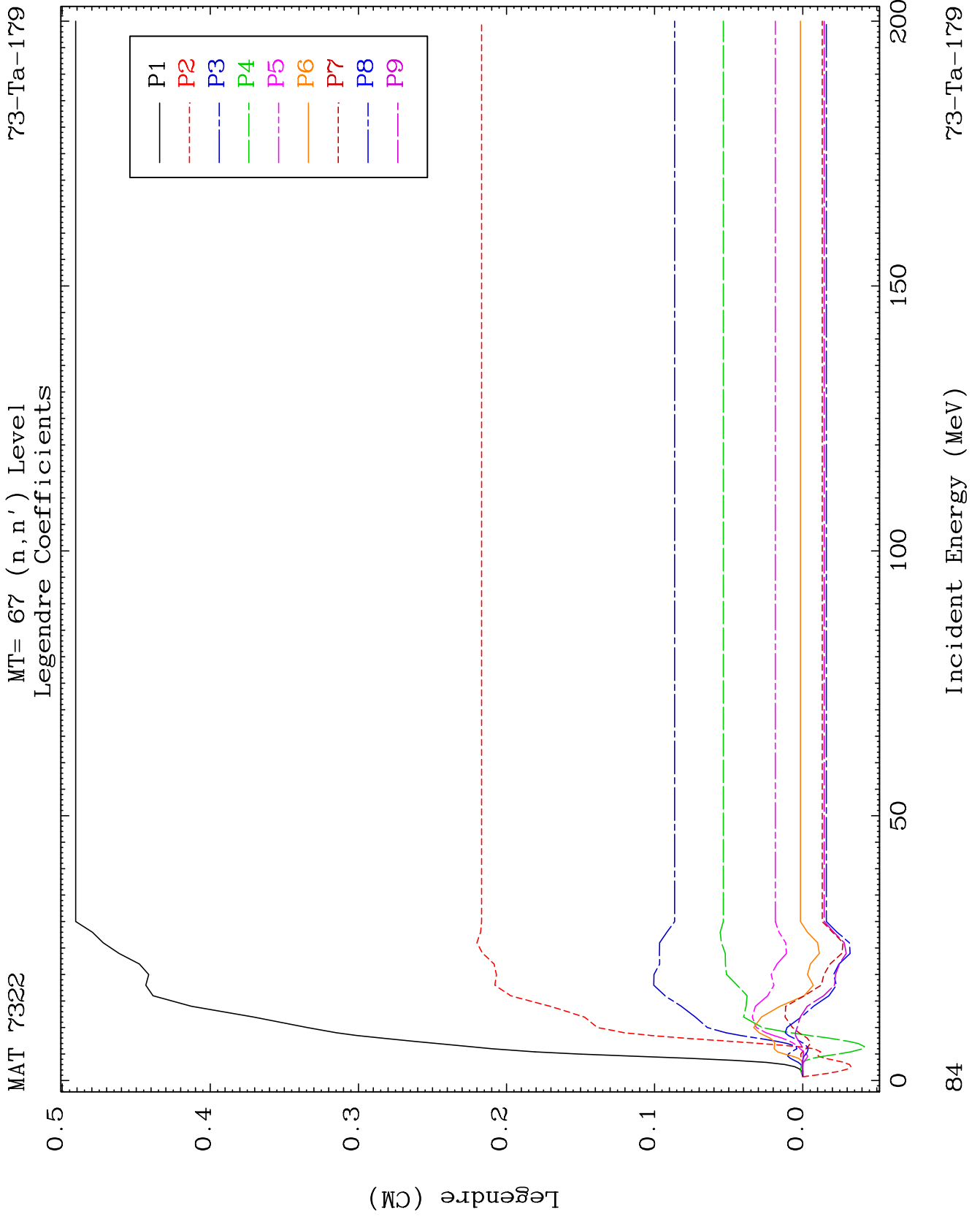
73-Ta-179



83

Incident Energy (MeV)

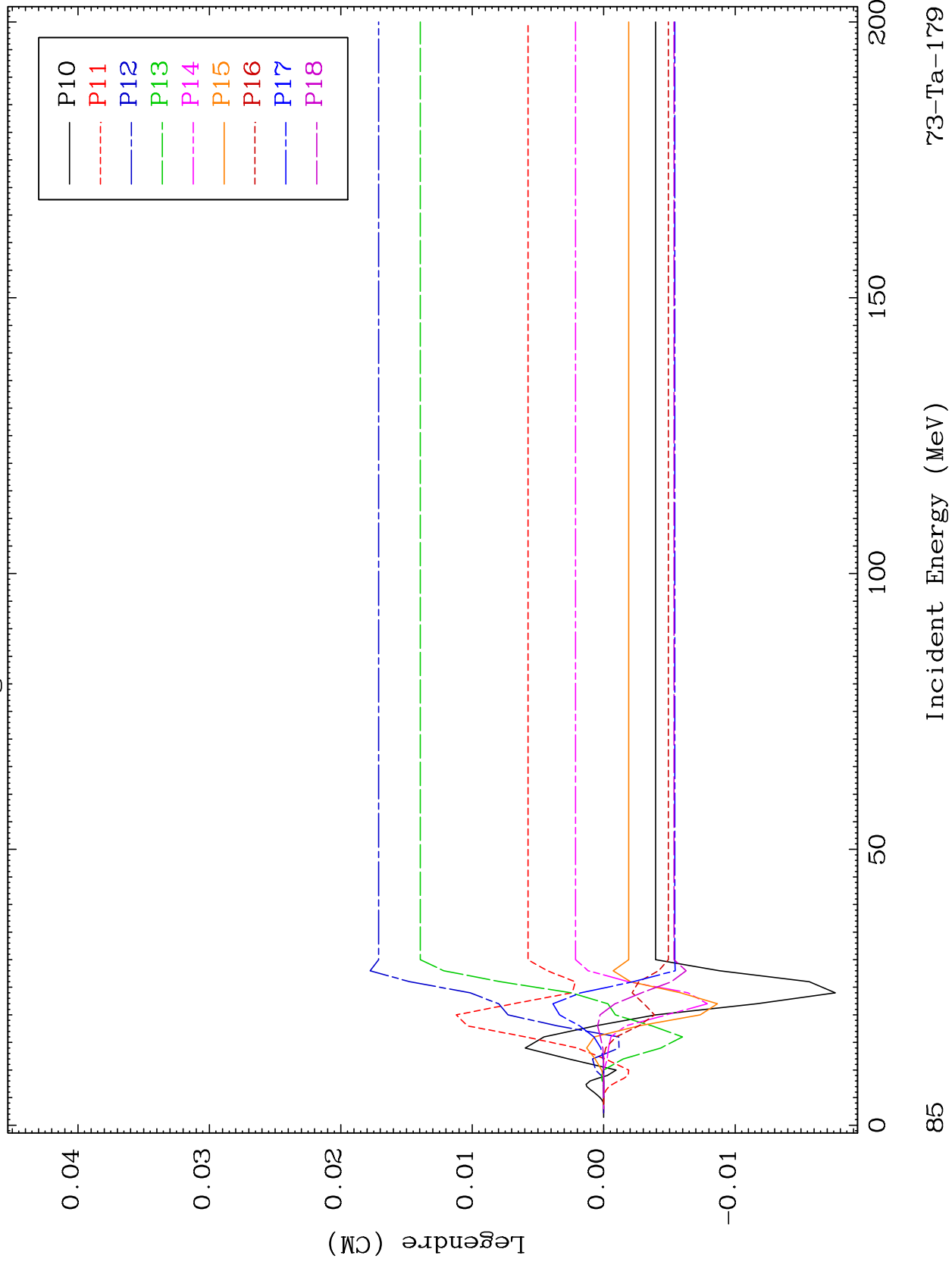
73-Ta-179



MAT 7322

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

73-Ta-179



73-Ta-179

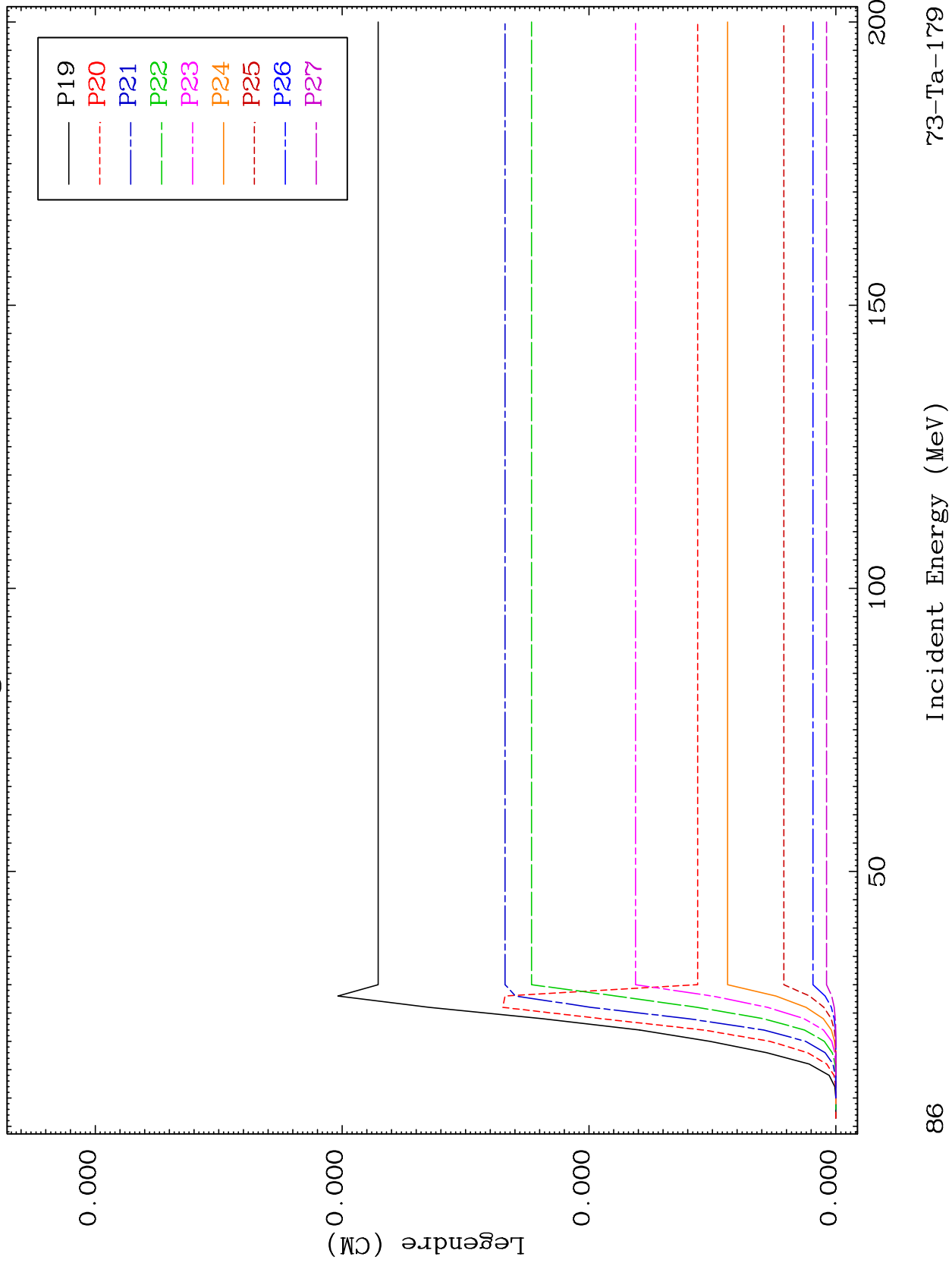
Incident Energy (MeV)

85

MAT 7322

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

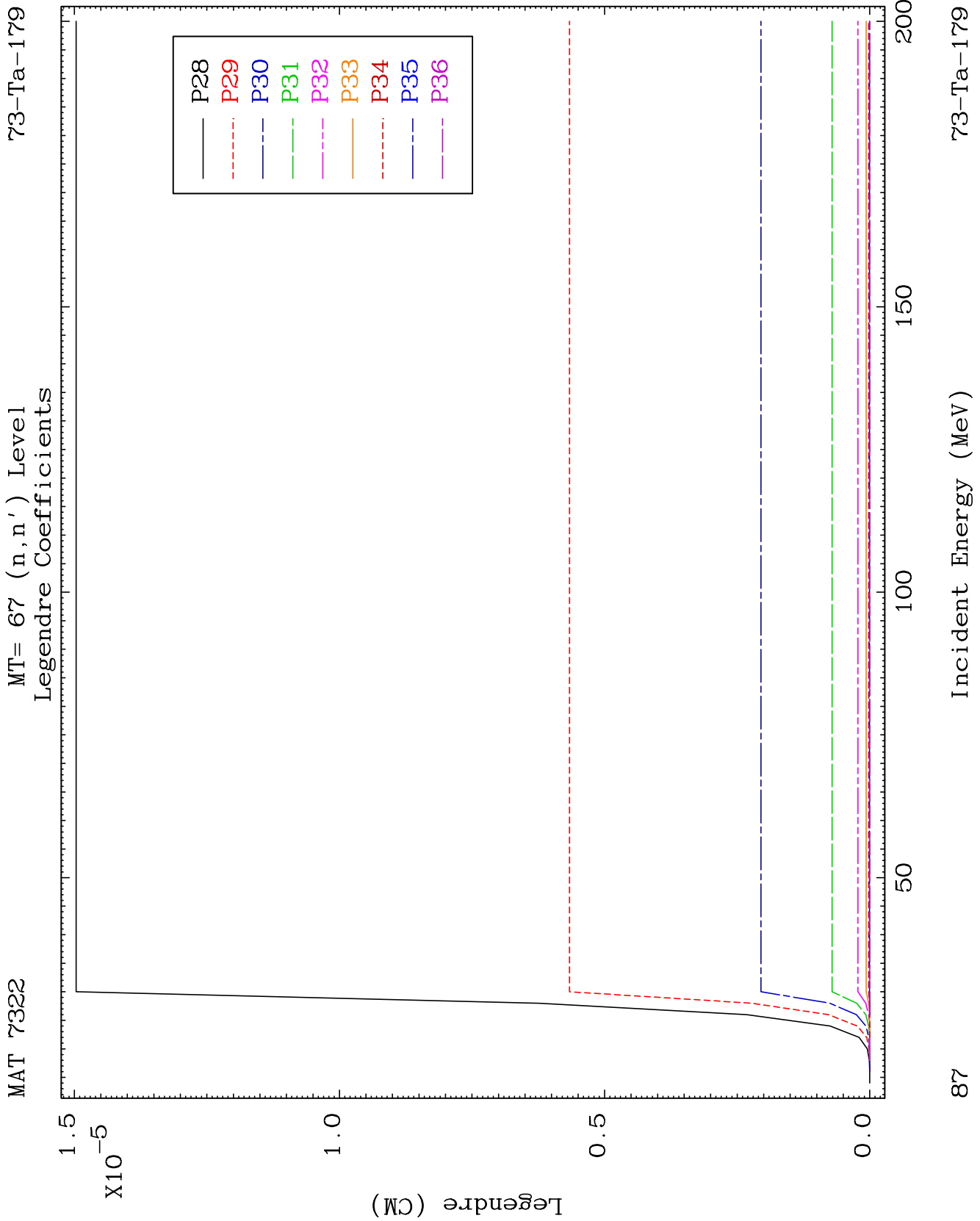
73-Ta-179



86

Incident Energy (MeV)

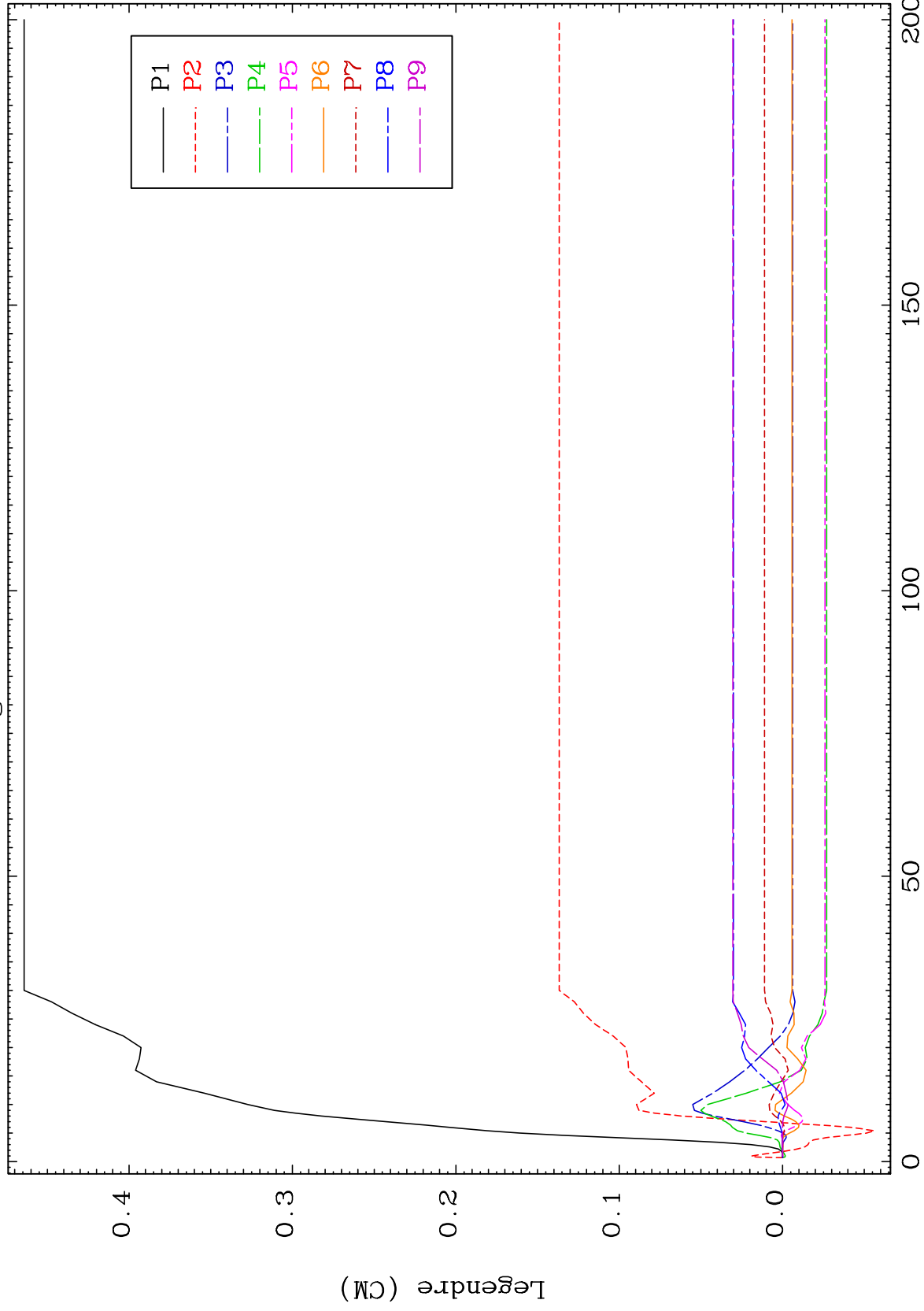
73-Ta-179



MAT 7322

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

73-Ta-179



88

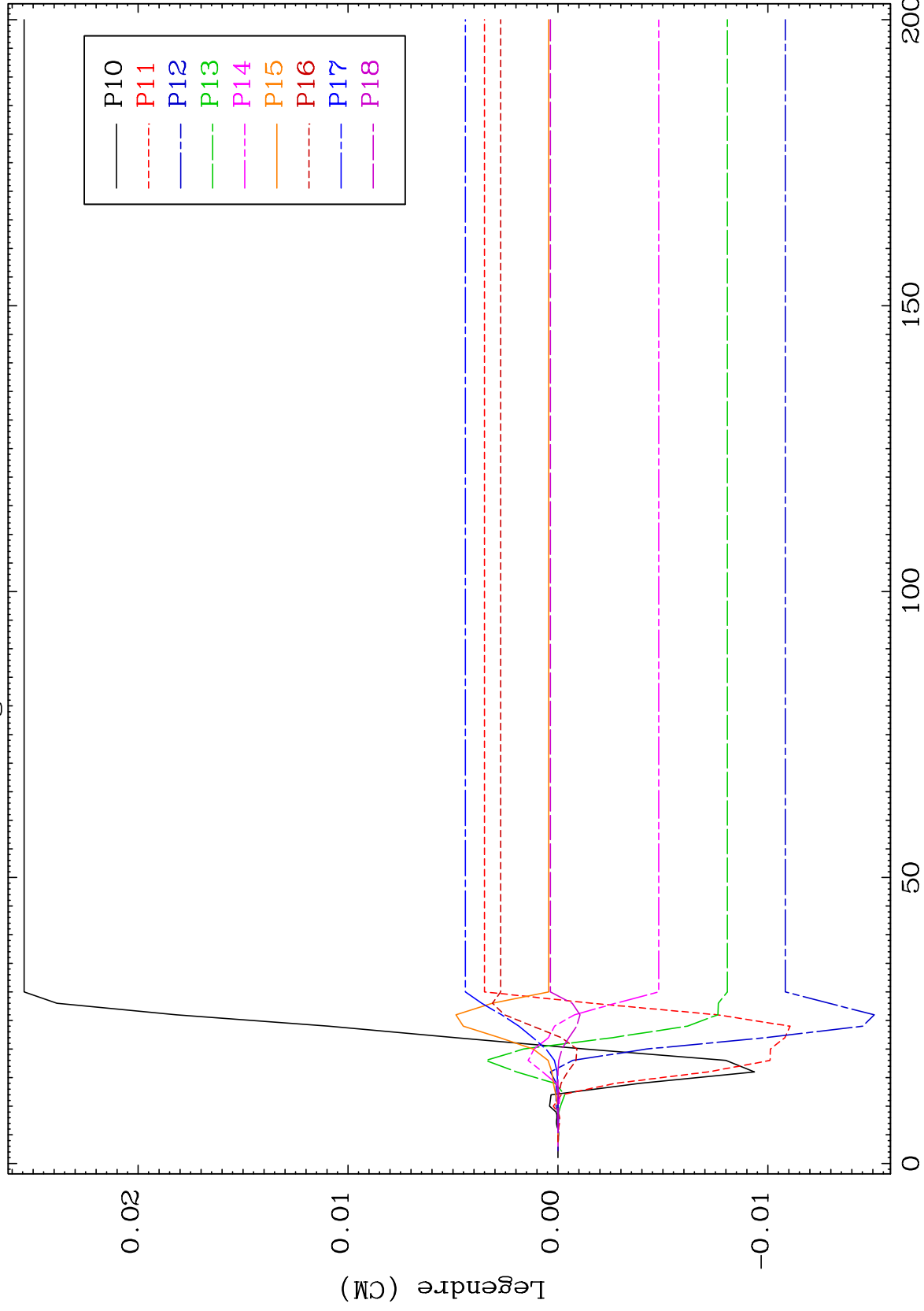
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



89

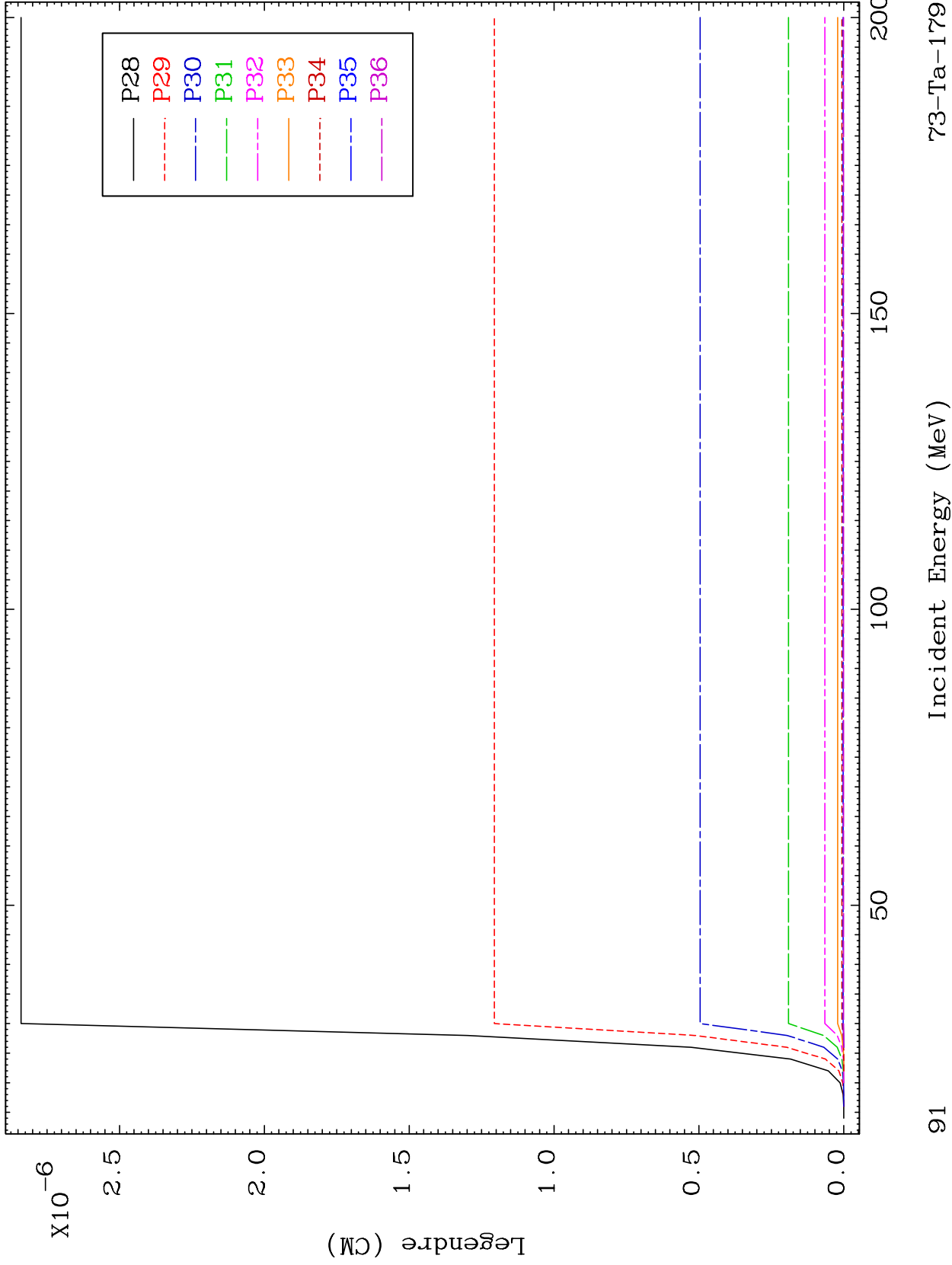
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



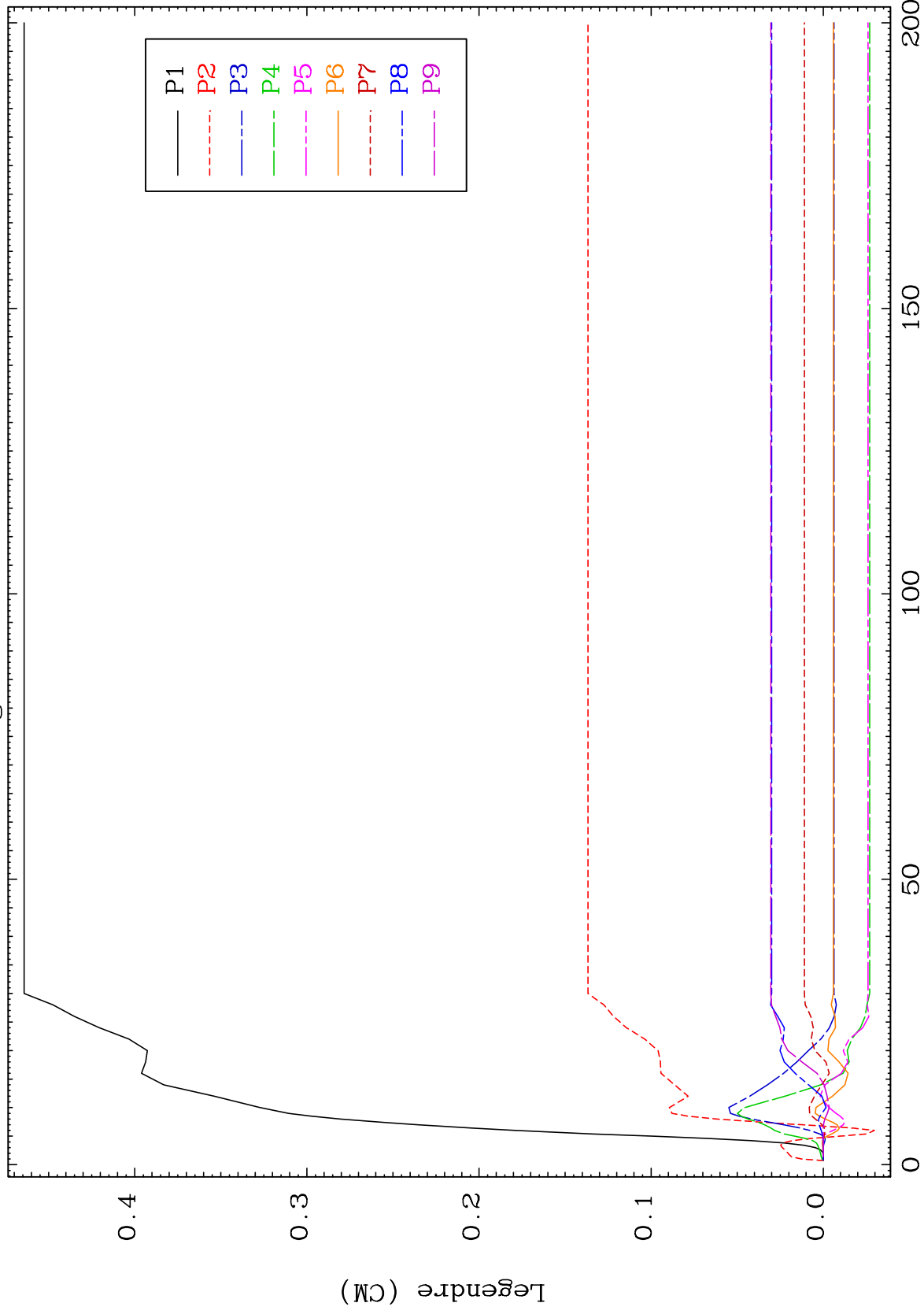
91

73-Ta-179

MAT 7322

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

73-Ta-179



92

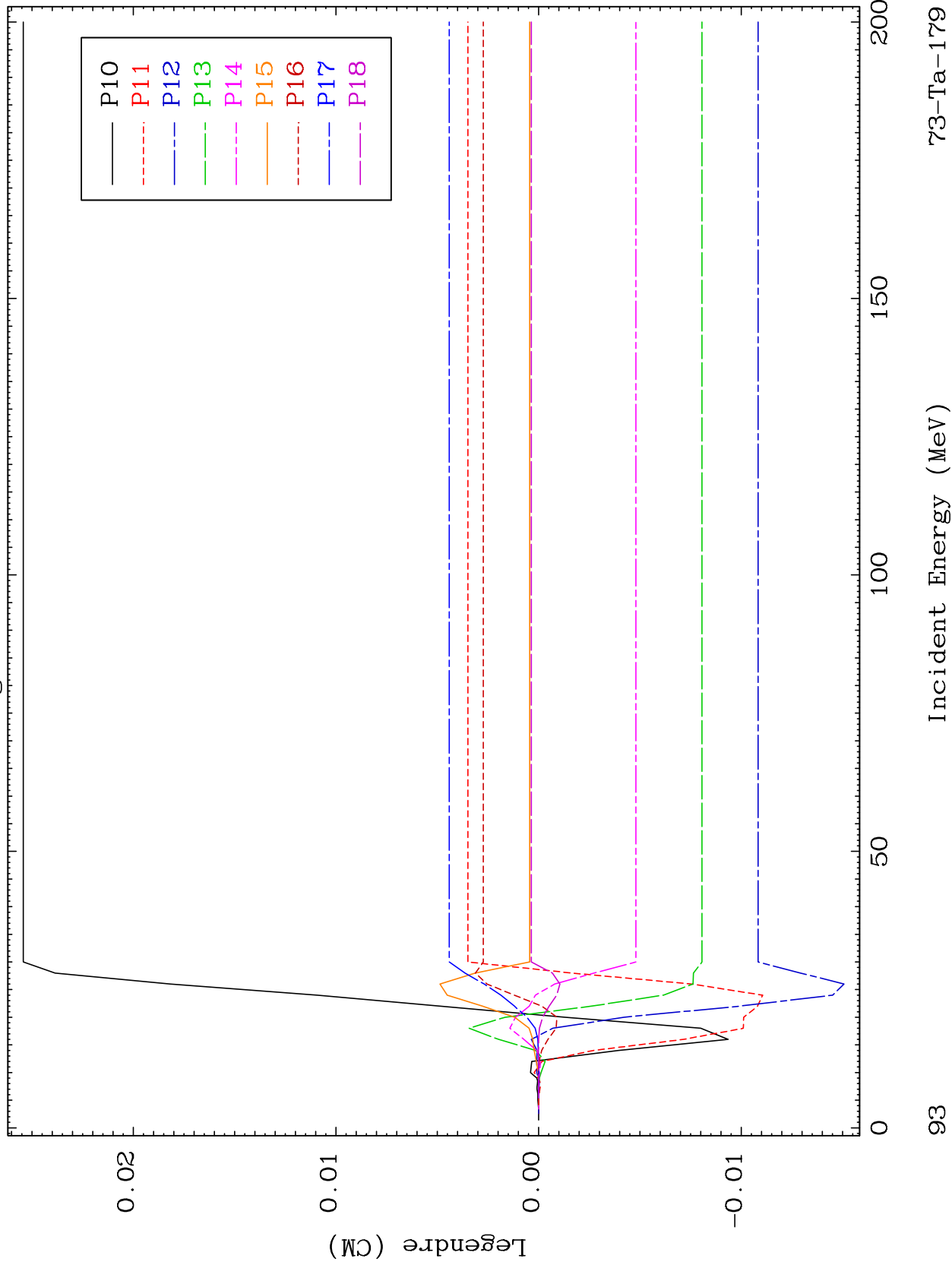
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



93

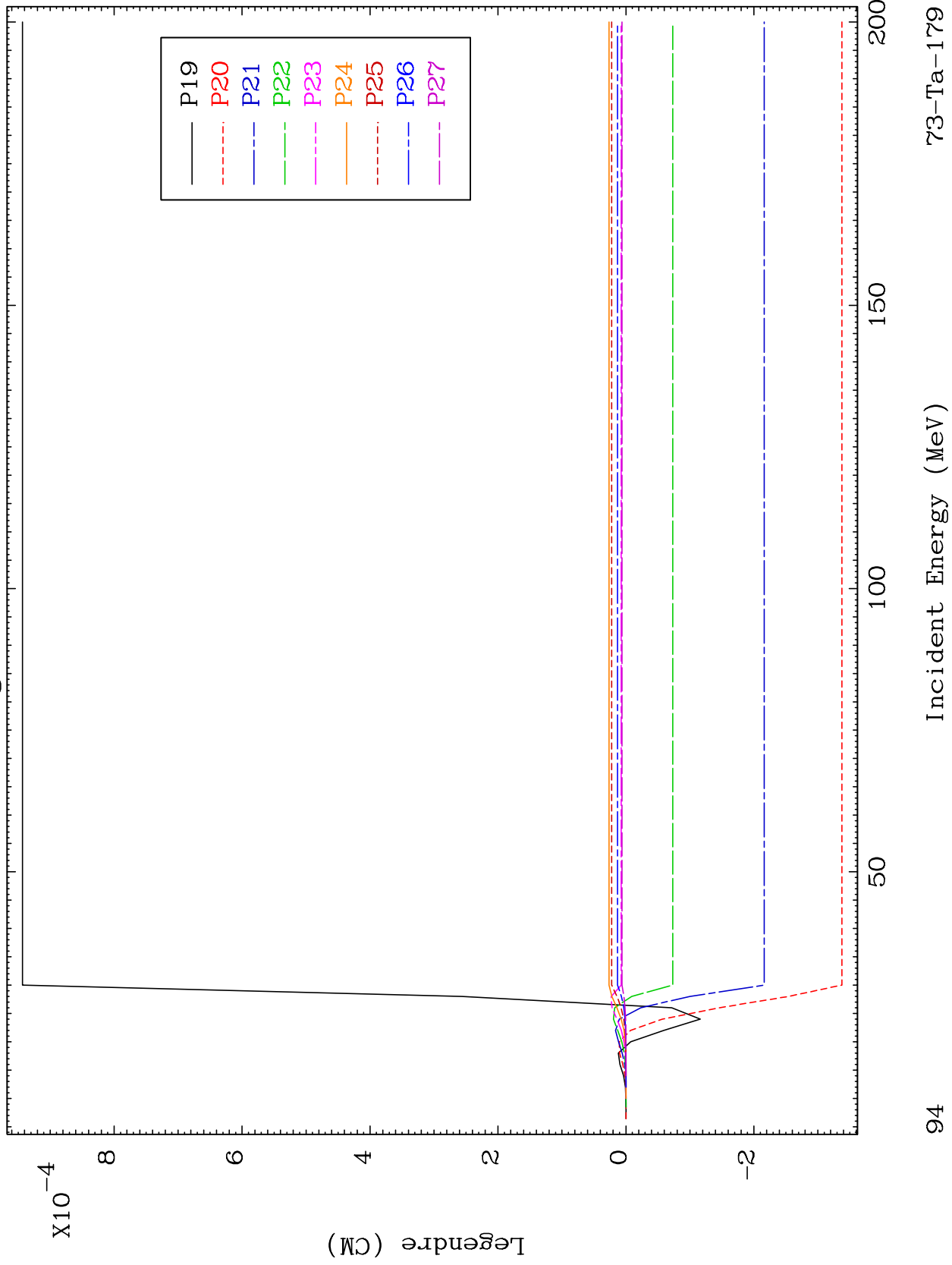
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

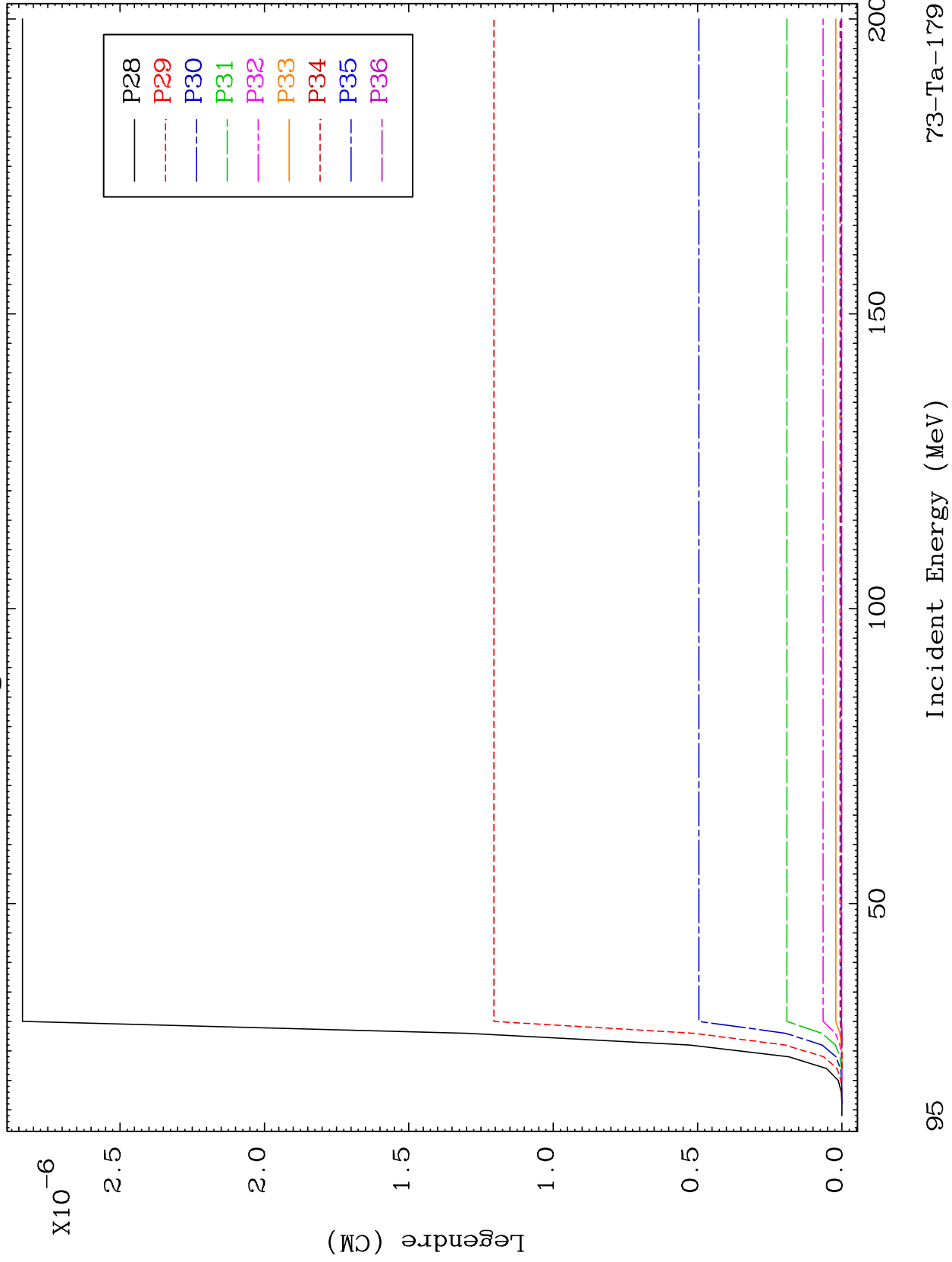
73-Ta-179

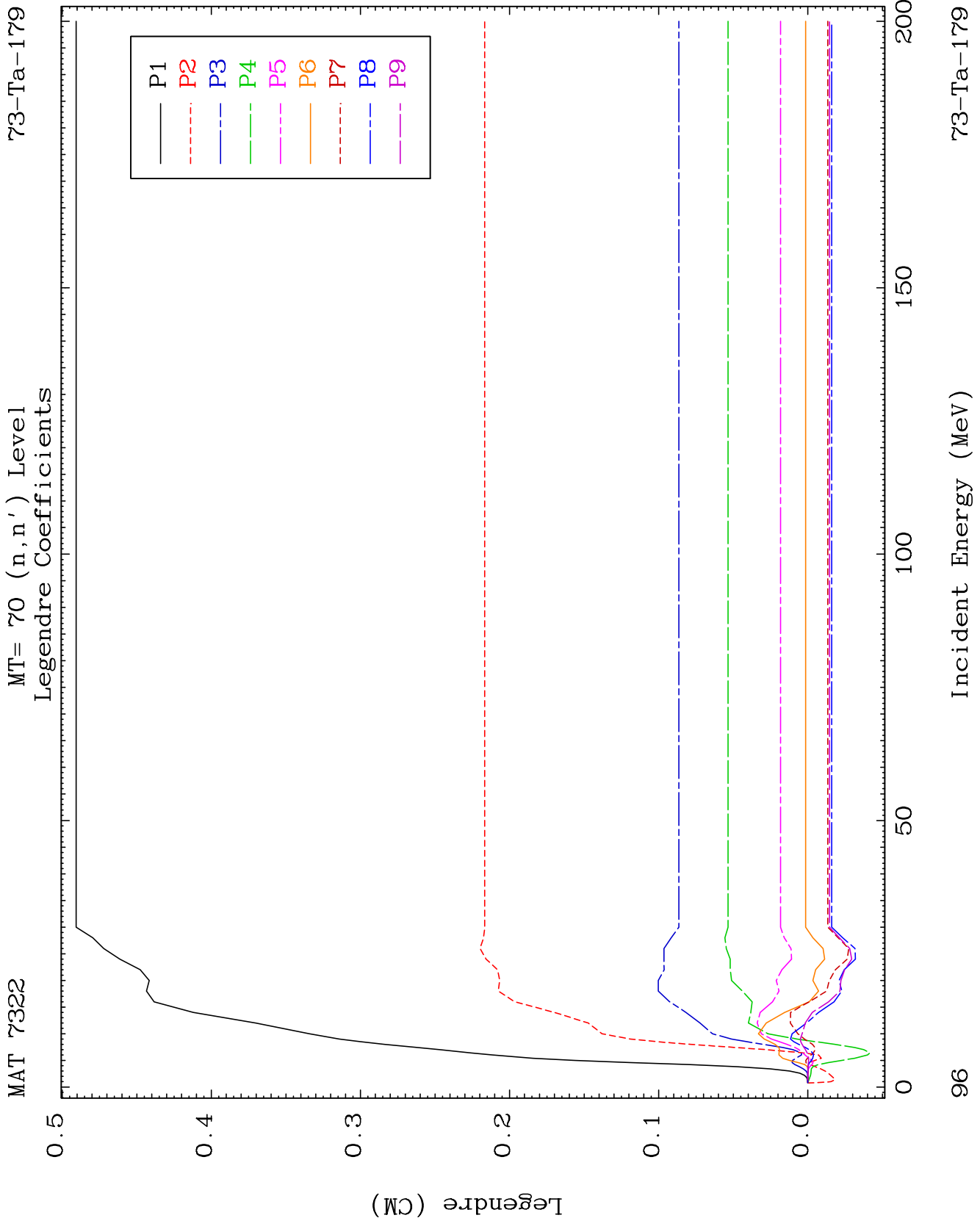


MAT 7322

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

73-Ta-179

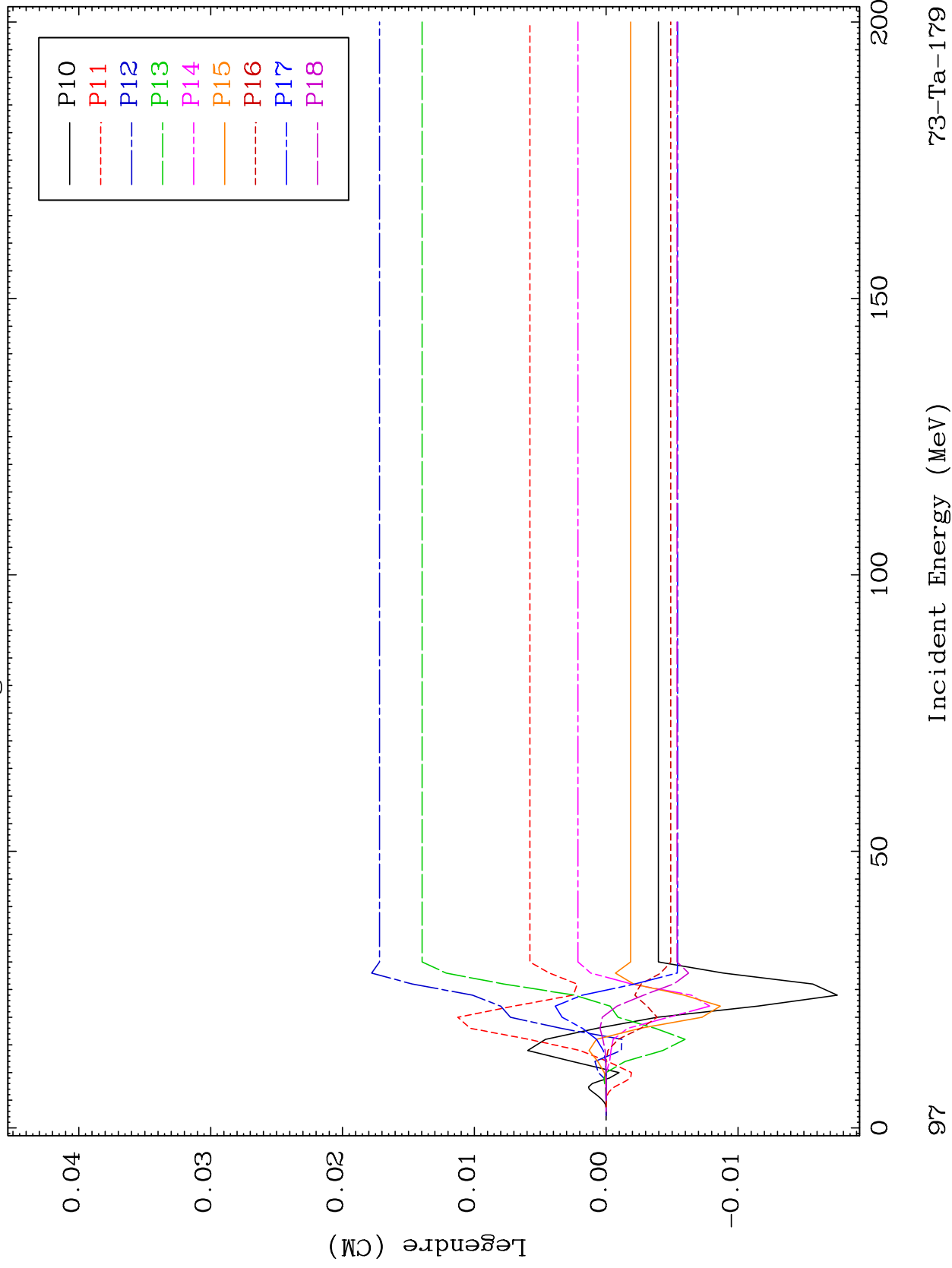




MAT 7322

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

73-Ta-179



73-Ta-179

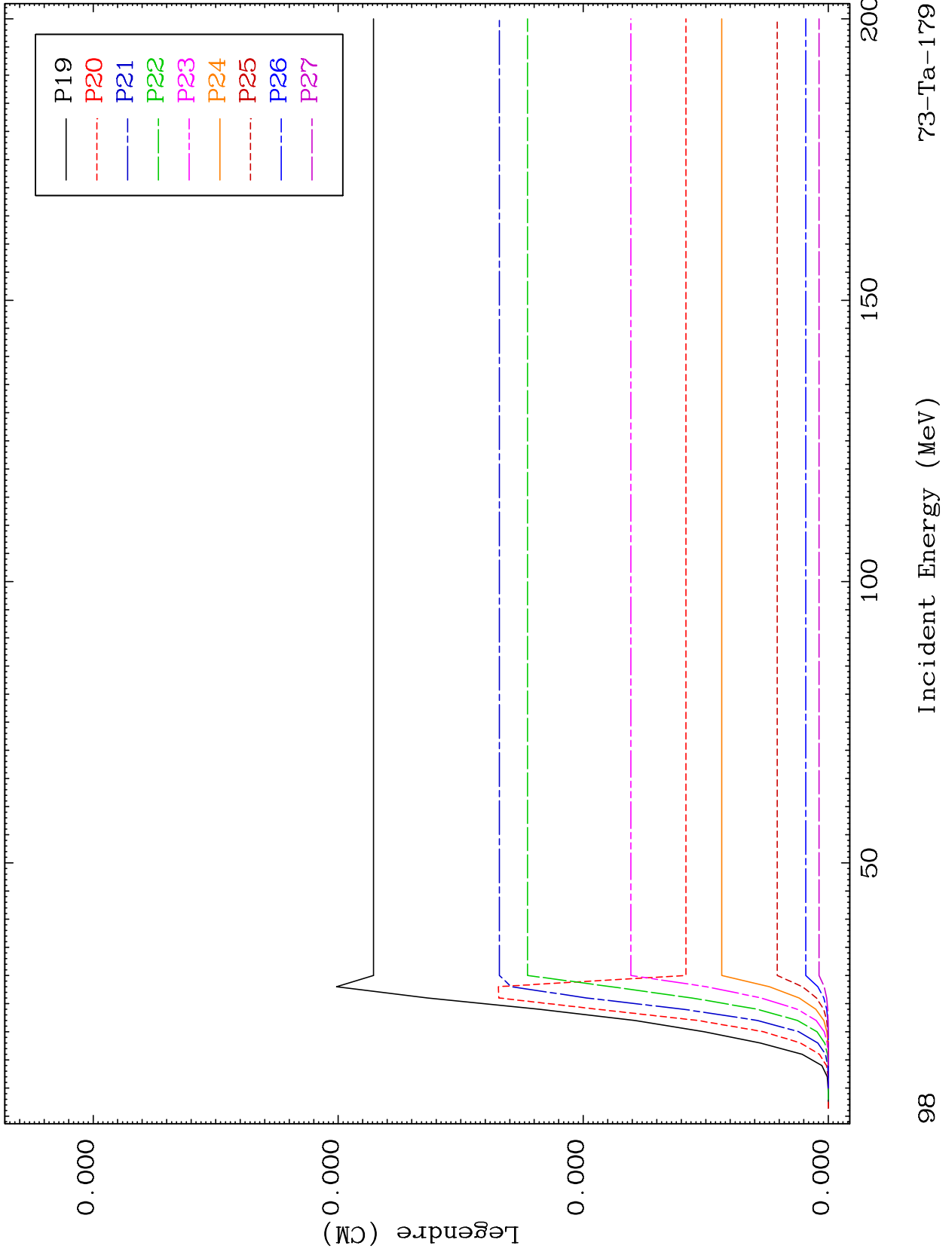
Incident Energy (MeV)

97

MAT 7322

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

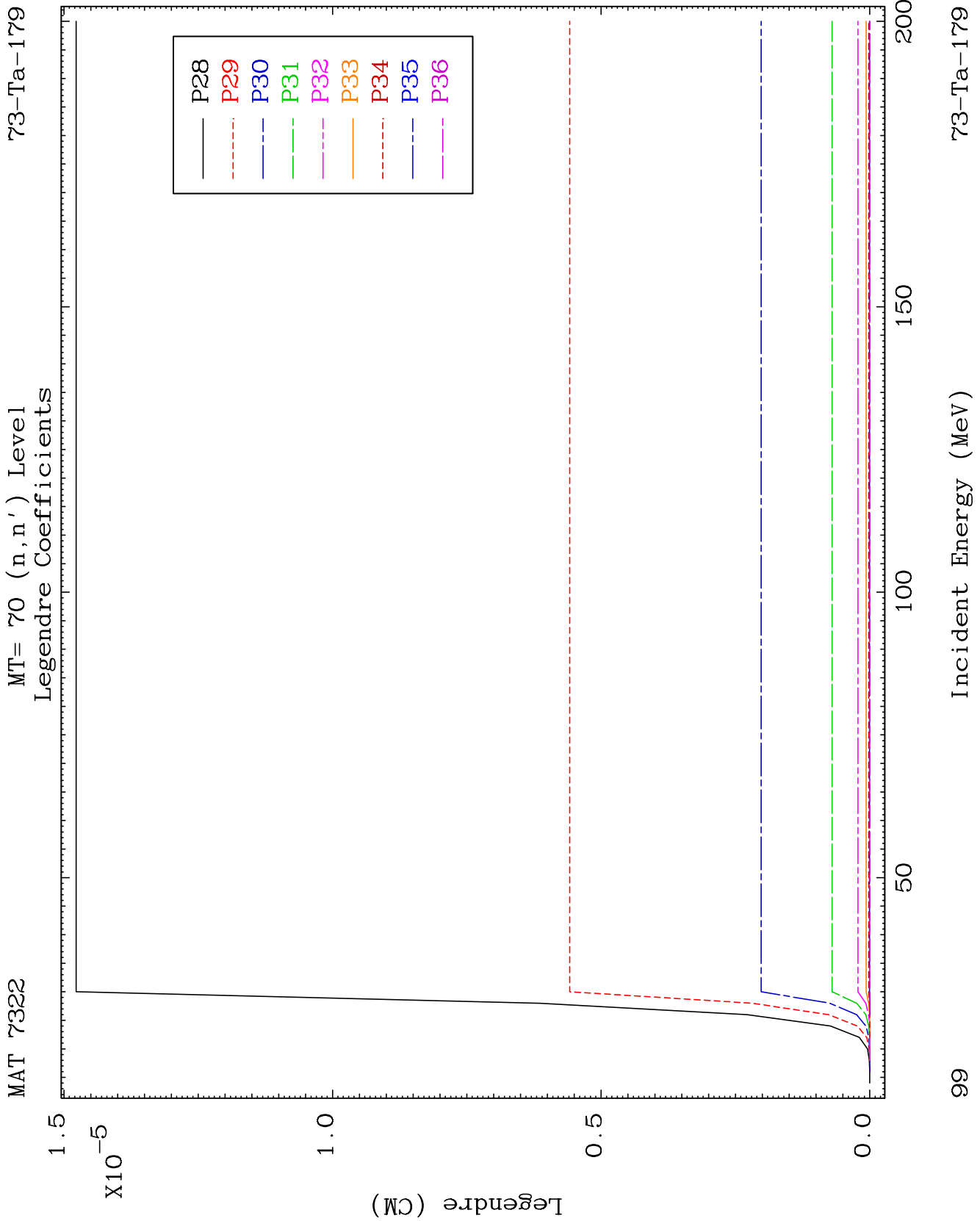
73-Ta-179



98

Incident Energy (MeV)

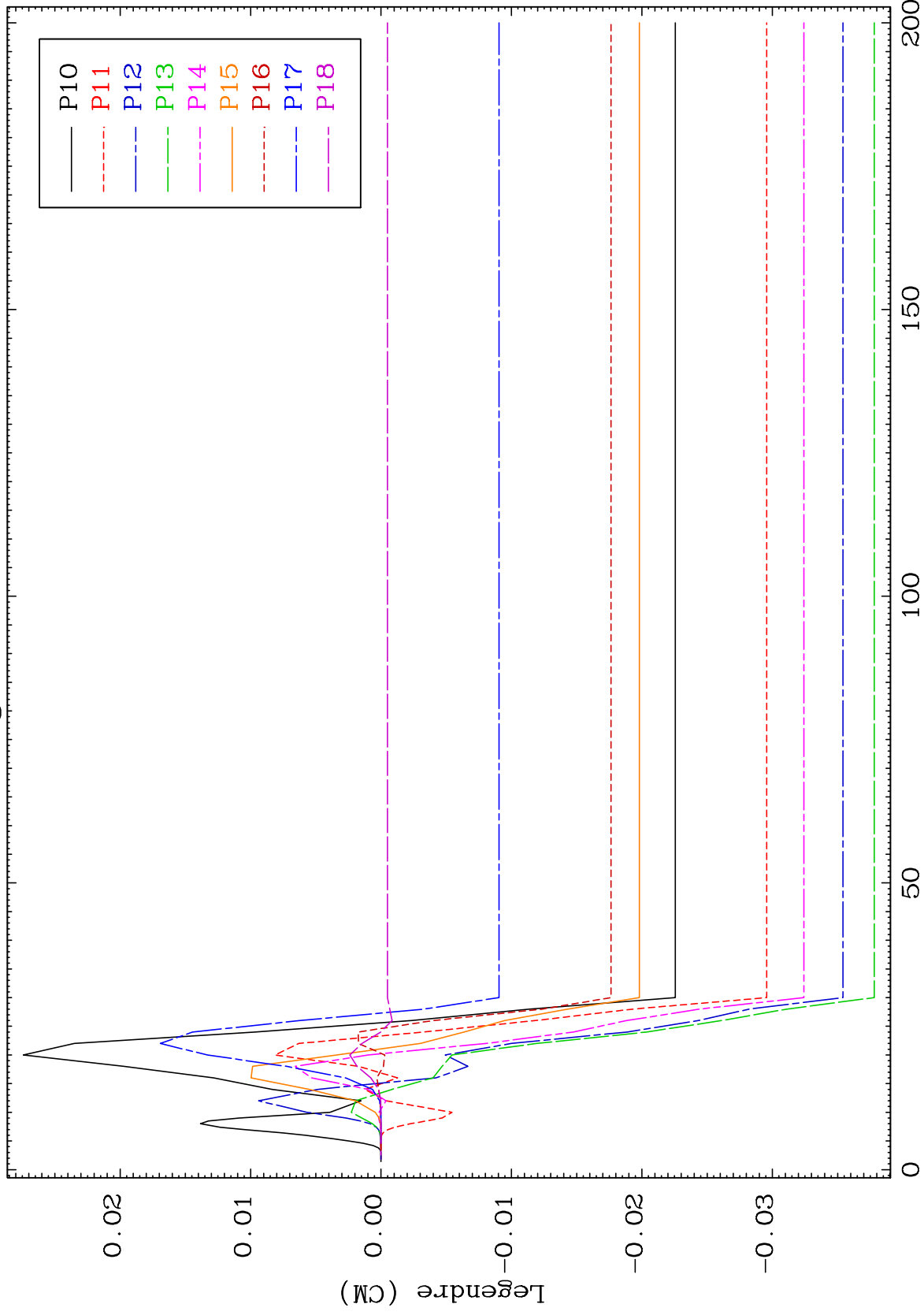
73-Ta-179



MAT 7322

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

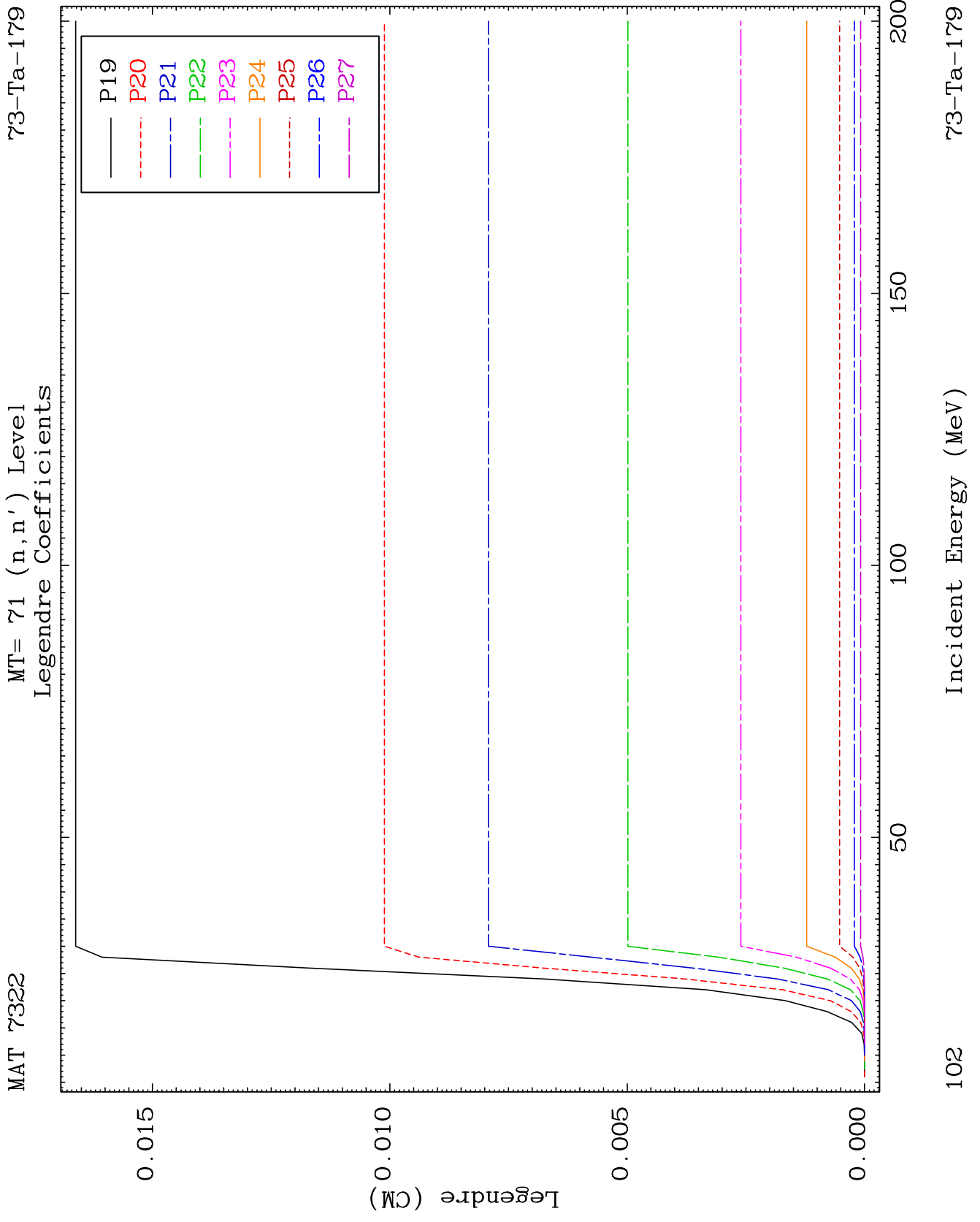
73-Ta-179



101

Incident Energy (MeV)

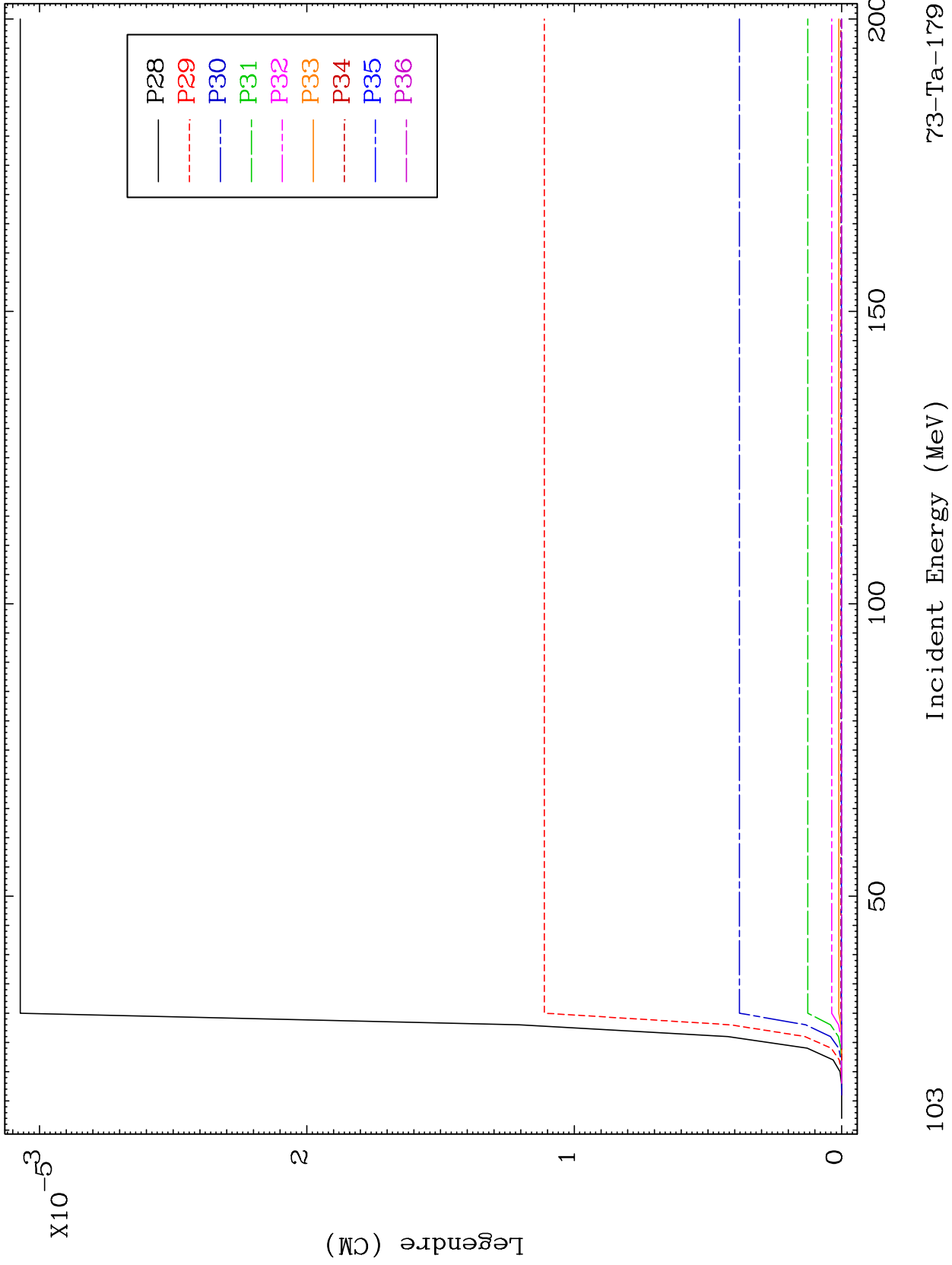
73-Ta-179

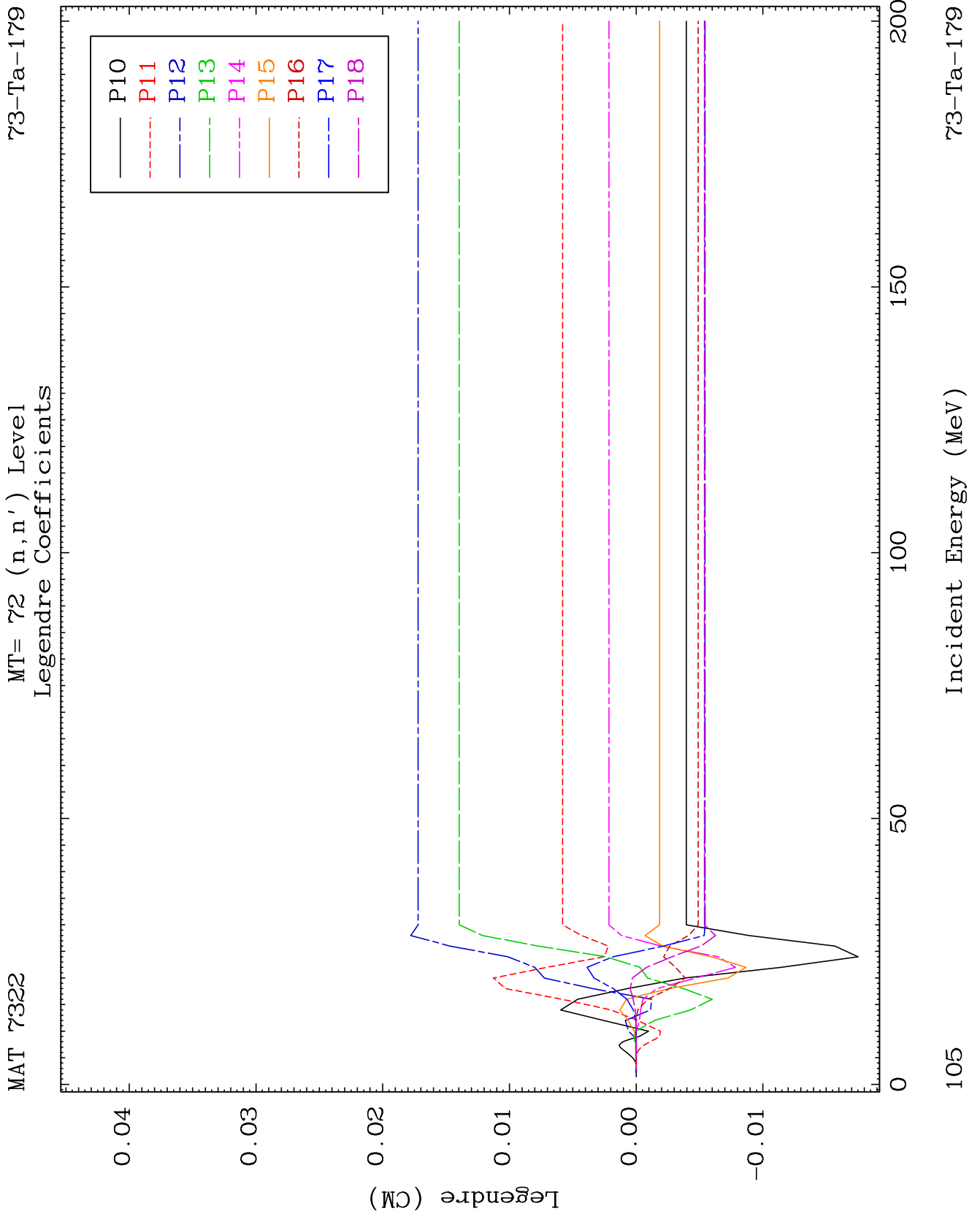


MAT 7322

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

73-Ta-179

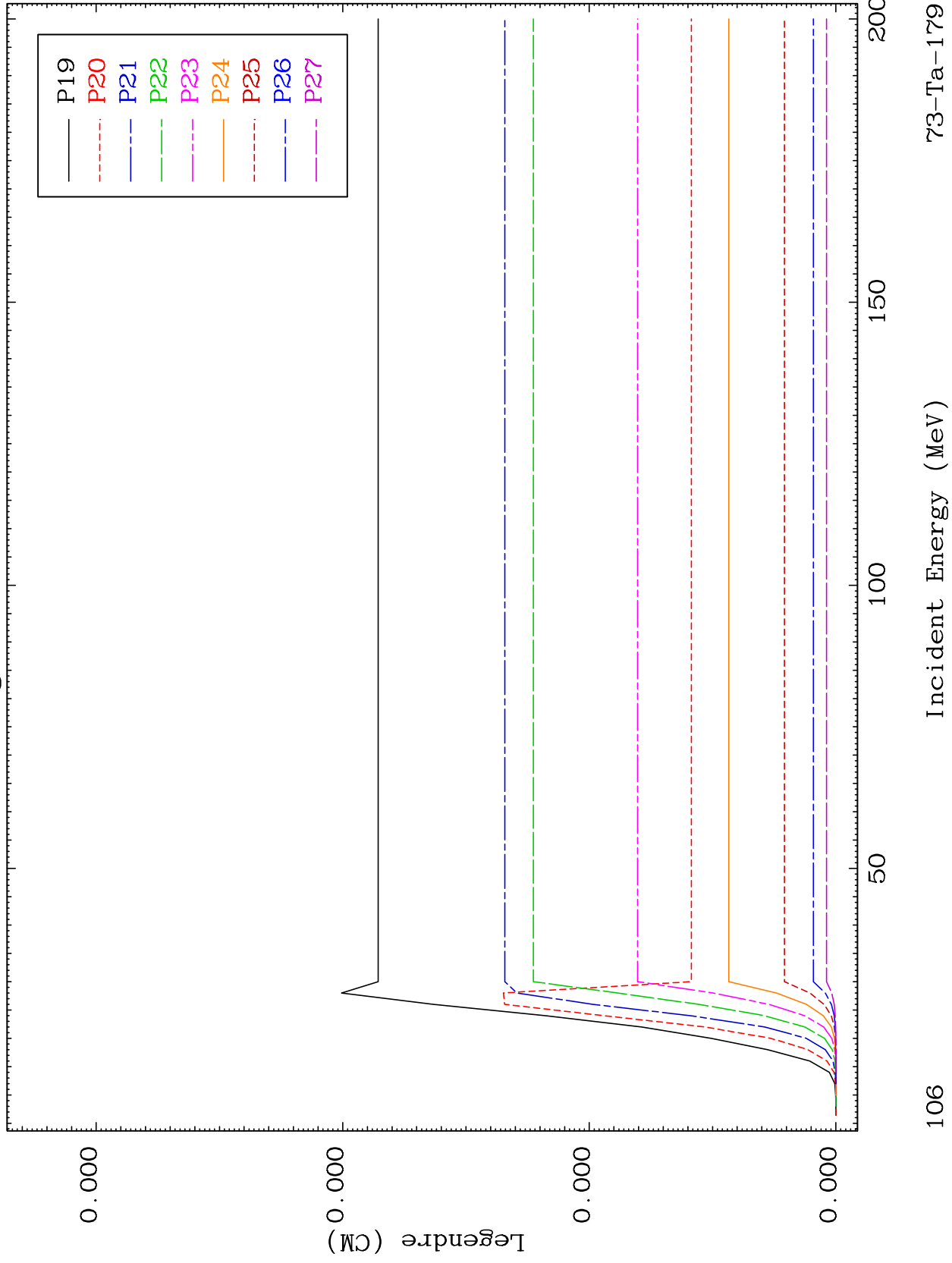




MAT 7322

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

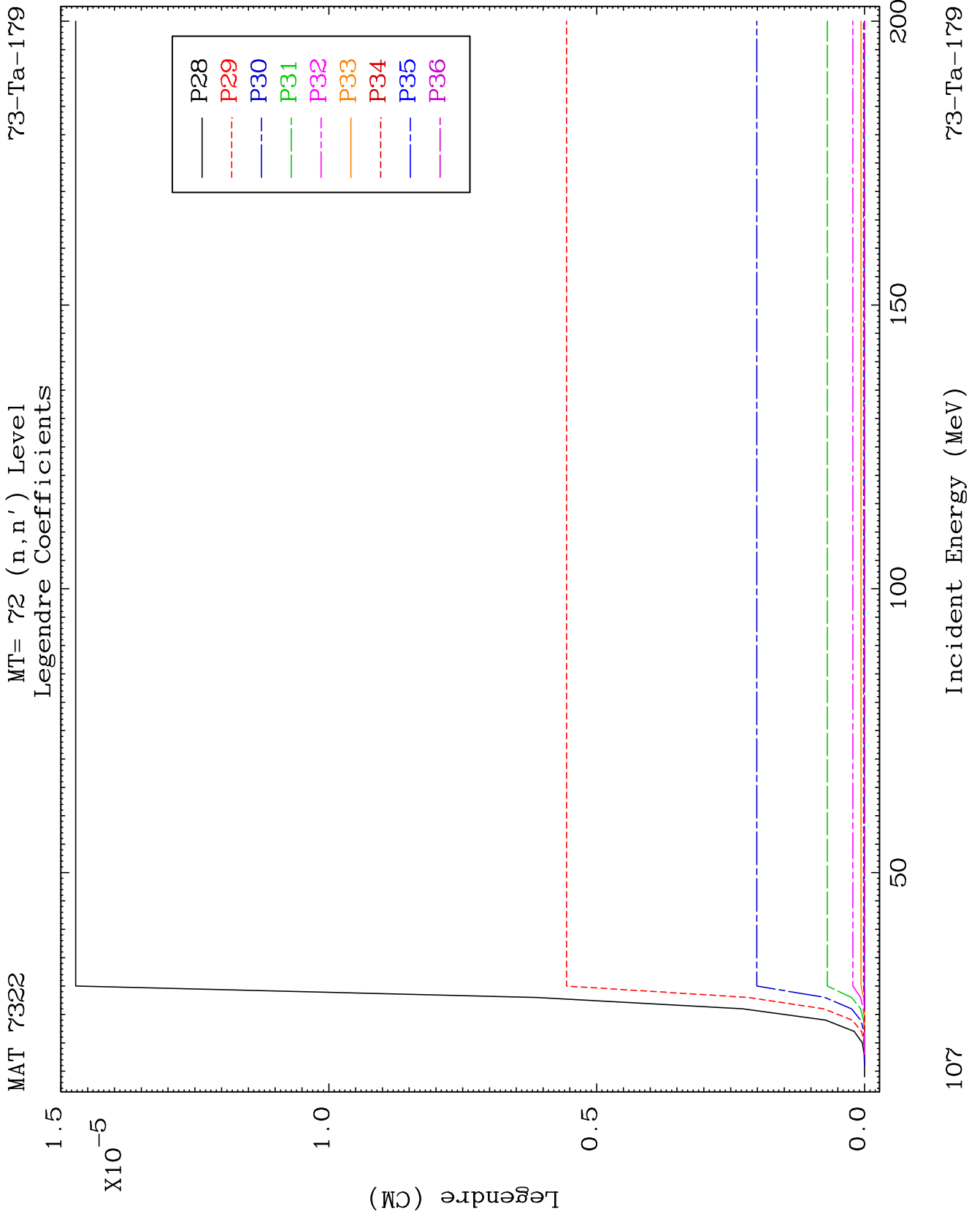
73-Ta-179



106

Incident Energy (MeV)

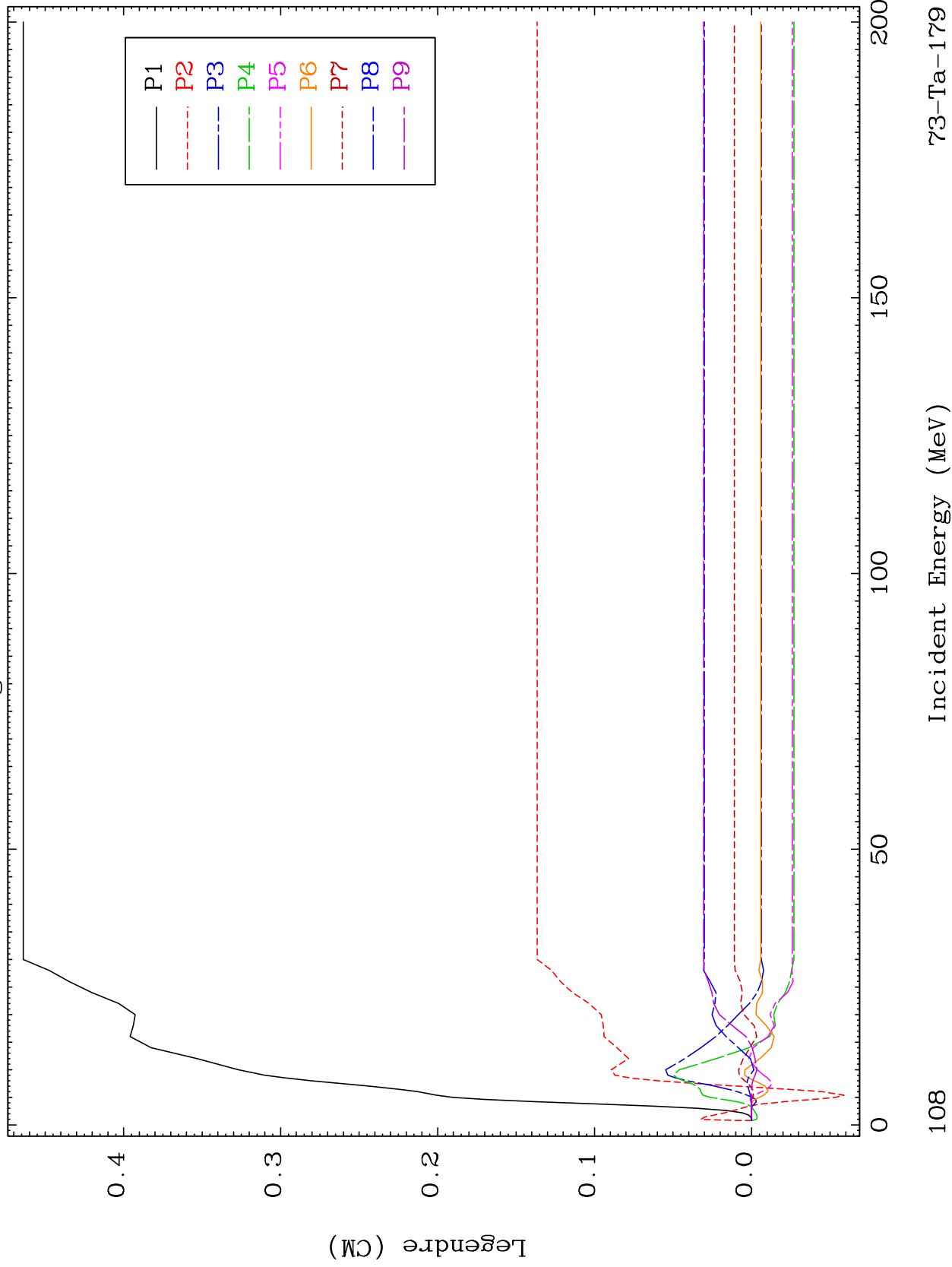
73-Ta-179



MAT 7322

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

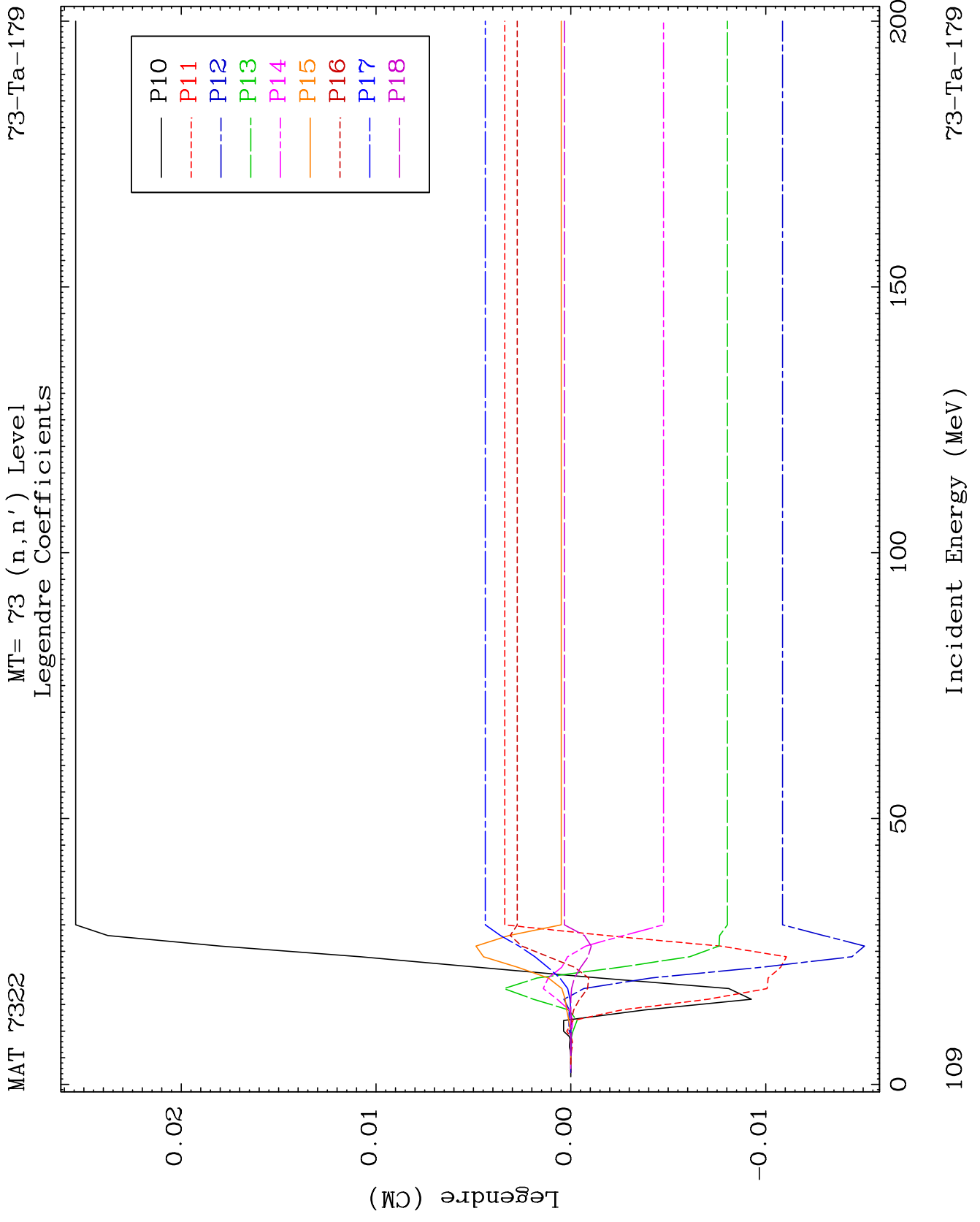
73-Ta-179



73-Ta-179

Incident Energy (MeV)

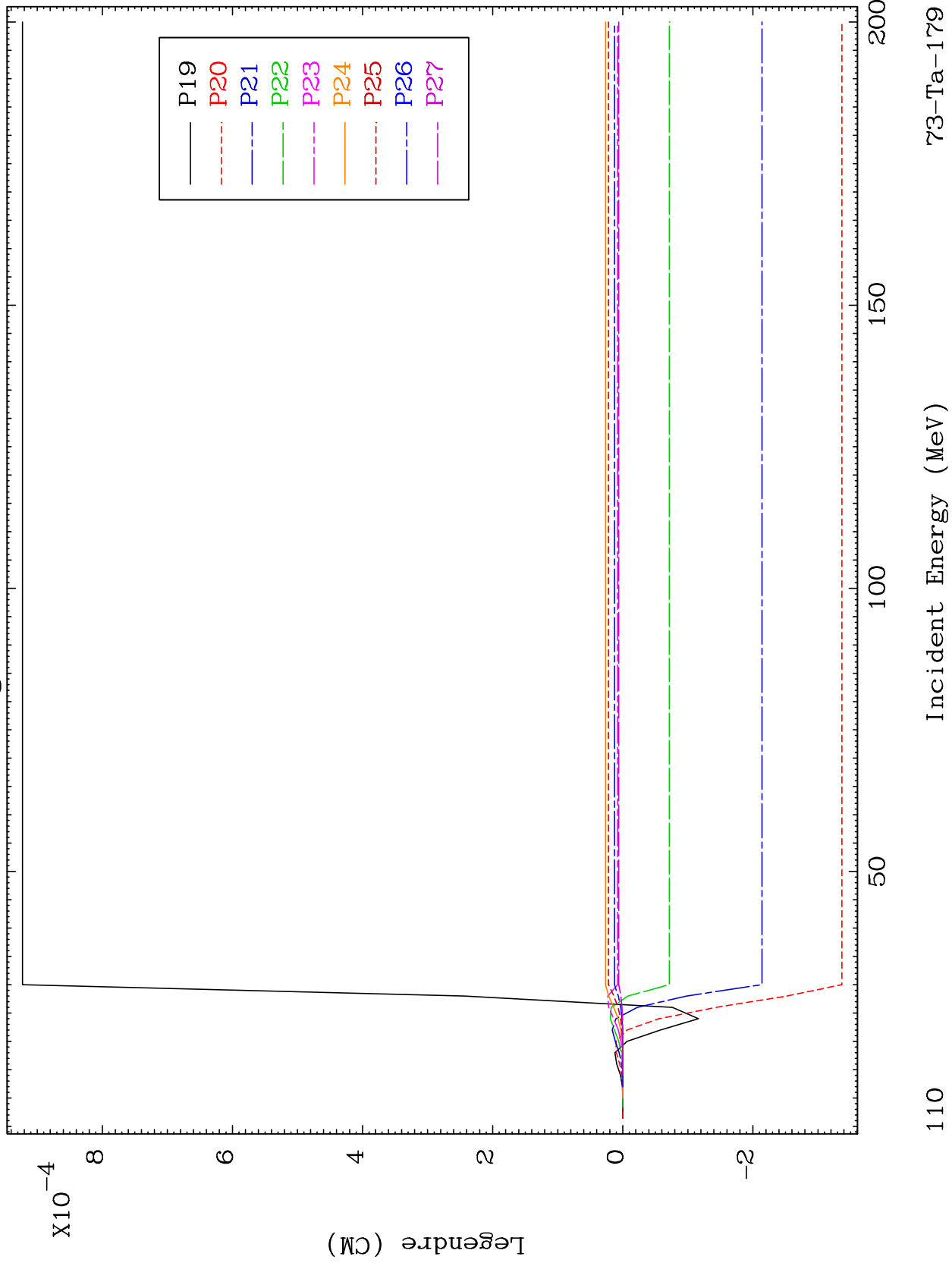
108

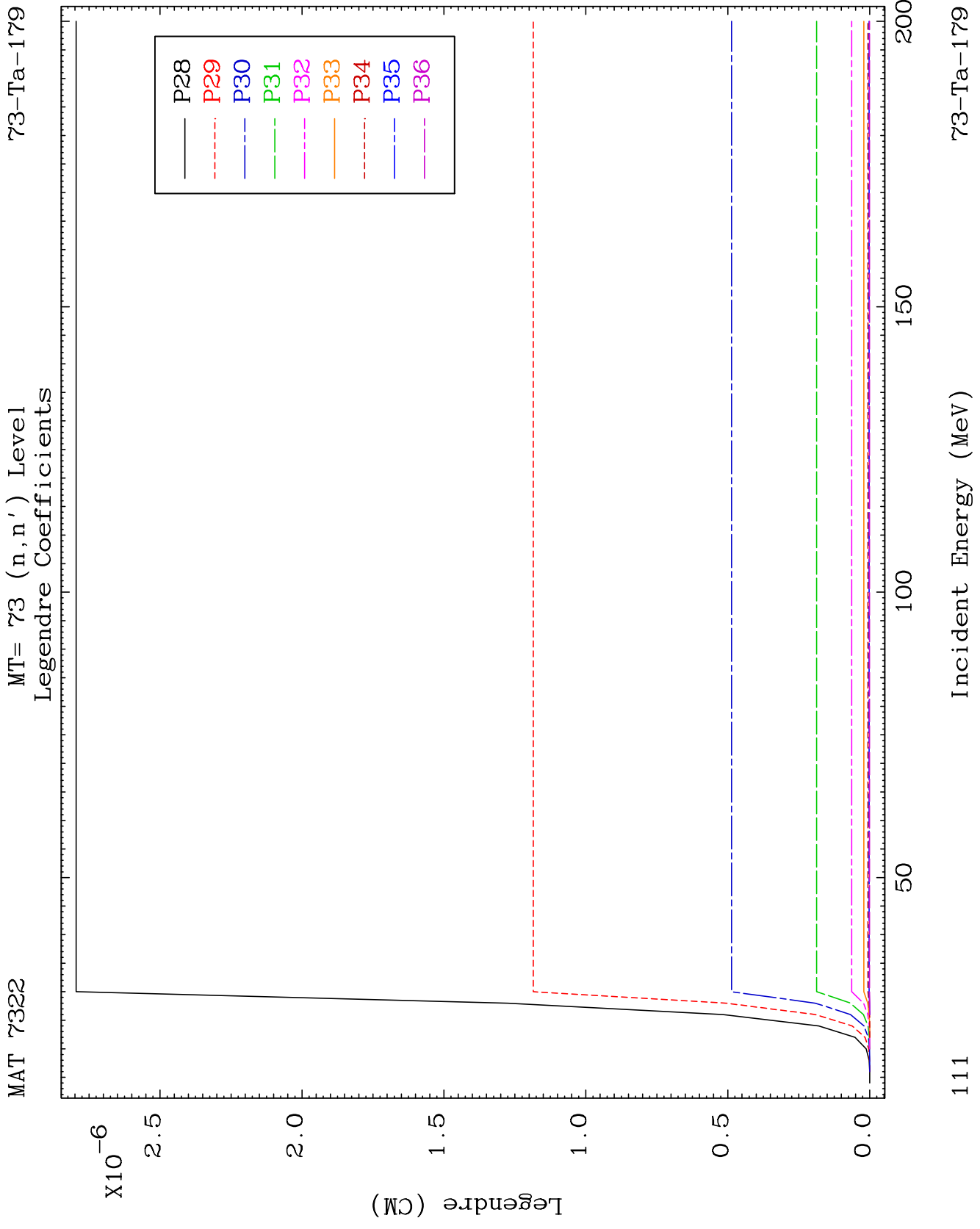


MAT 7322

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

73-Ta-179

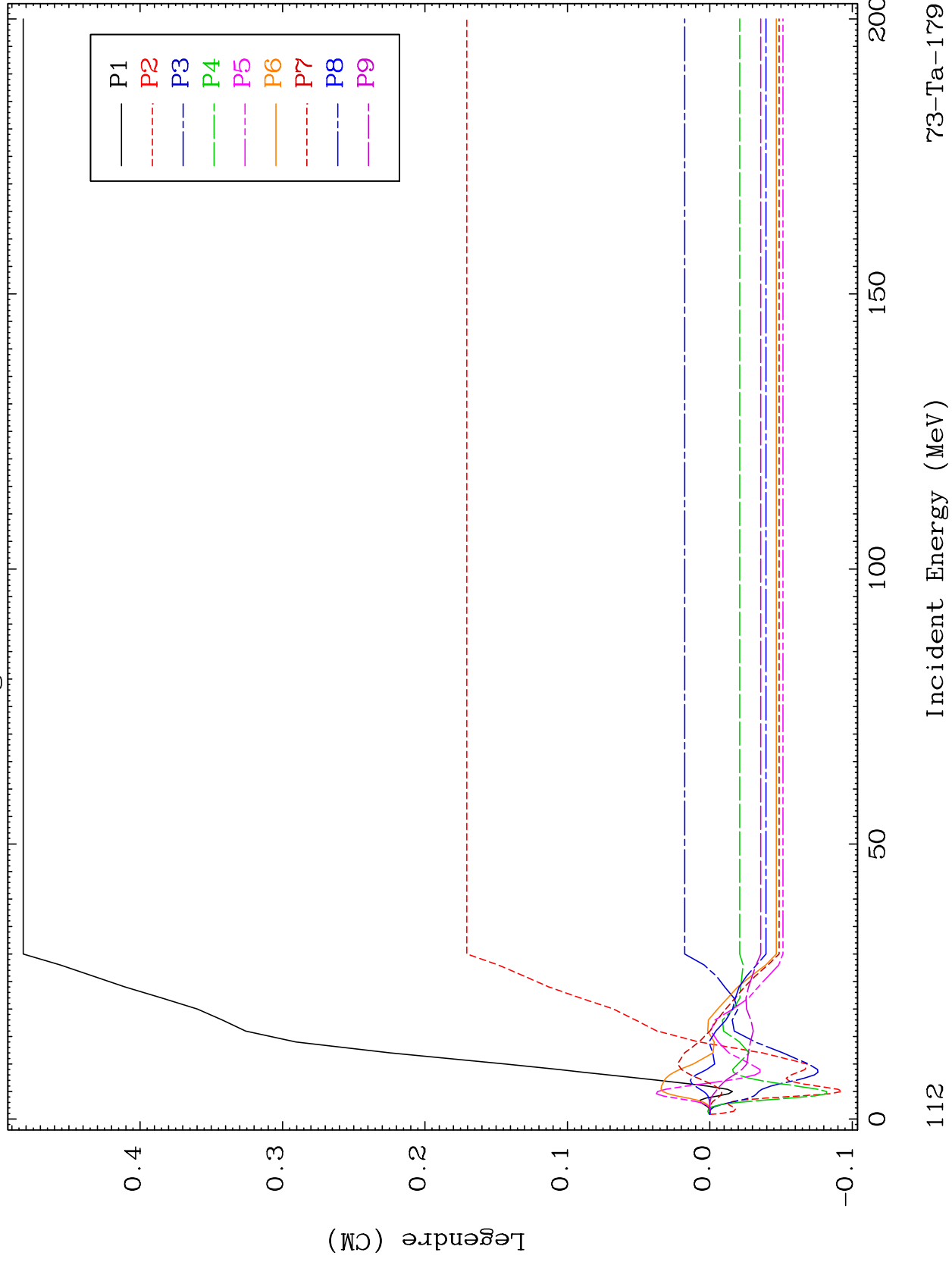




MAT 7322

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

73-Ta-179

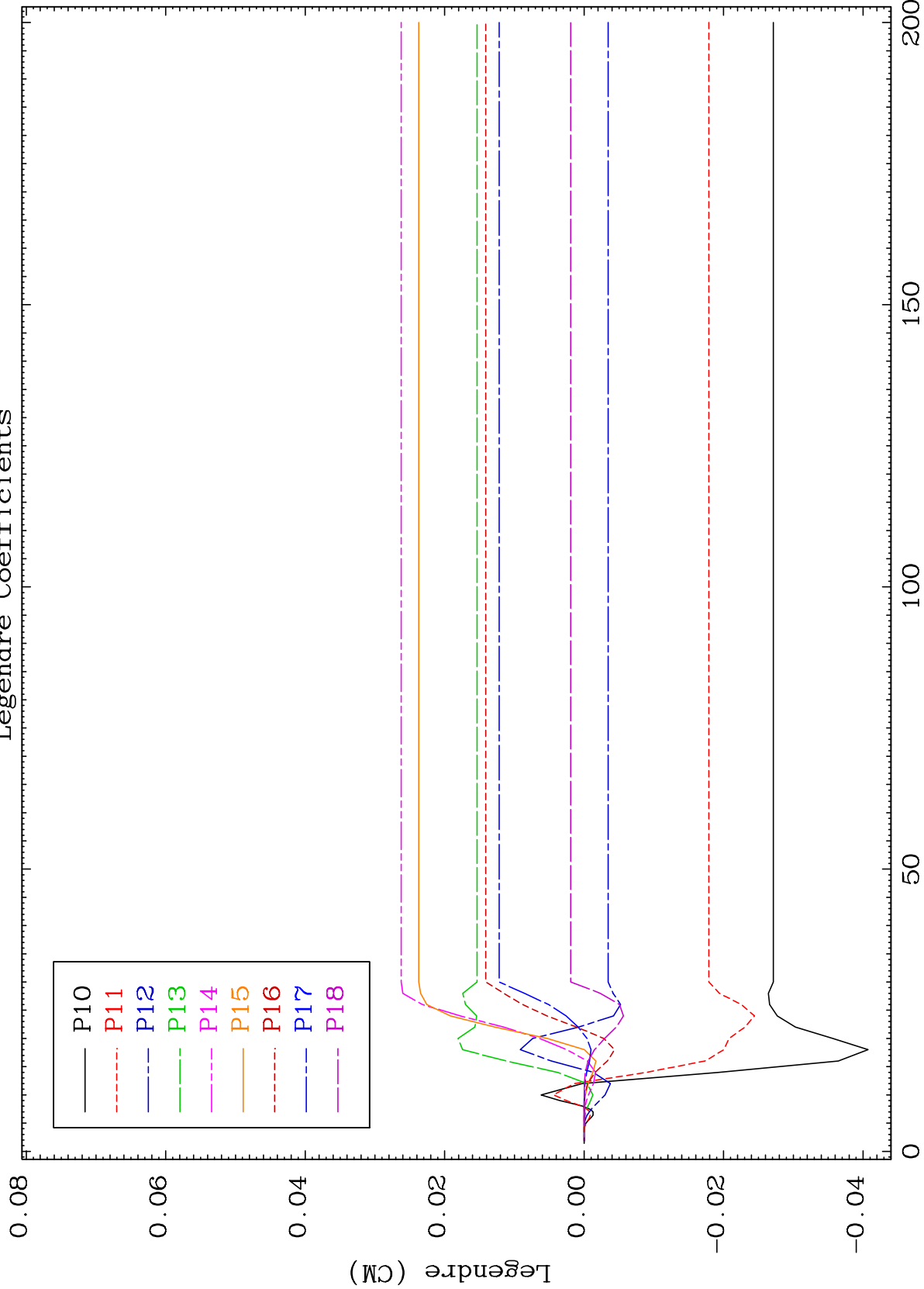


73-Ta-179

MAT 7322

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

73-Ta-179



113

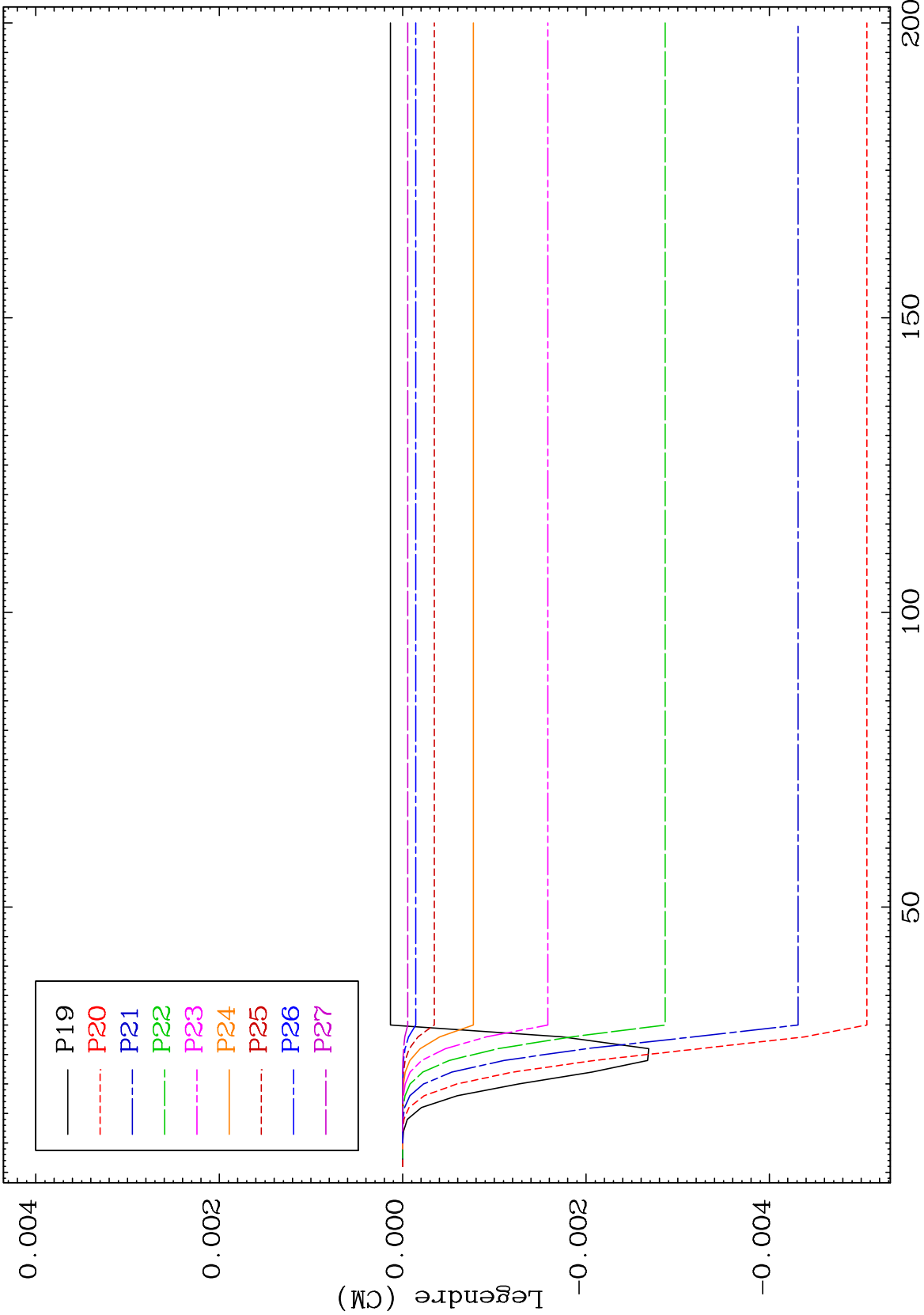
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

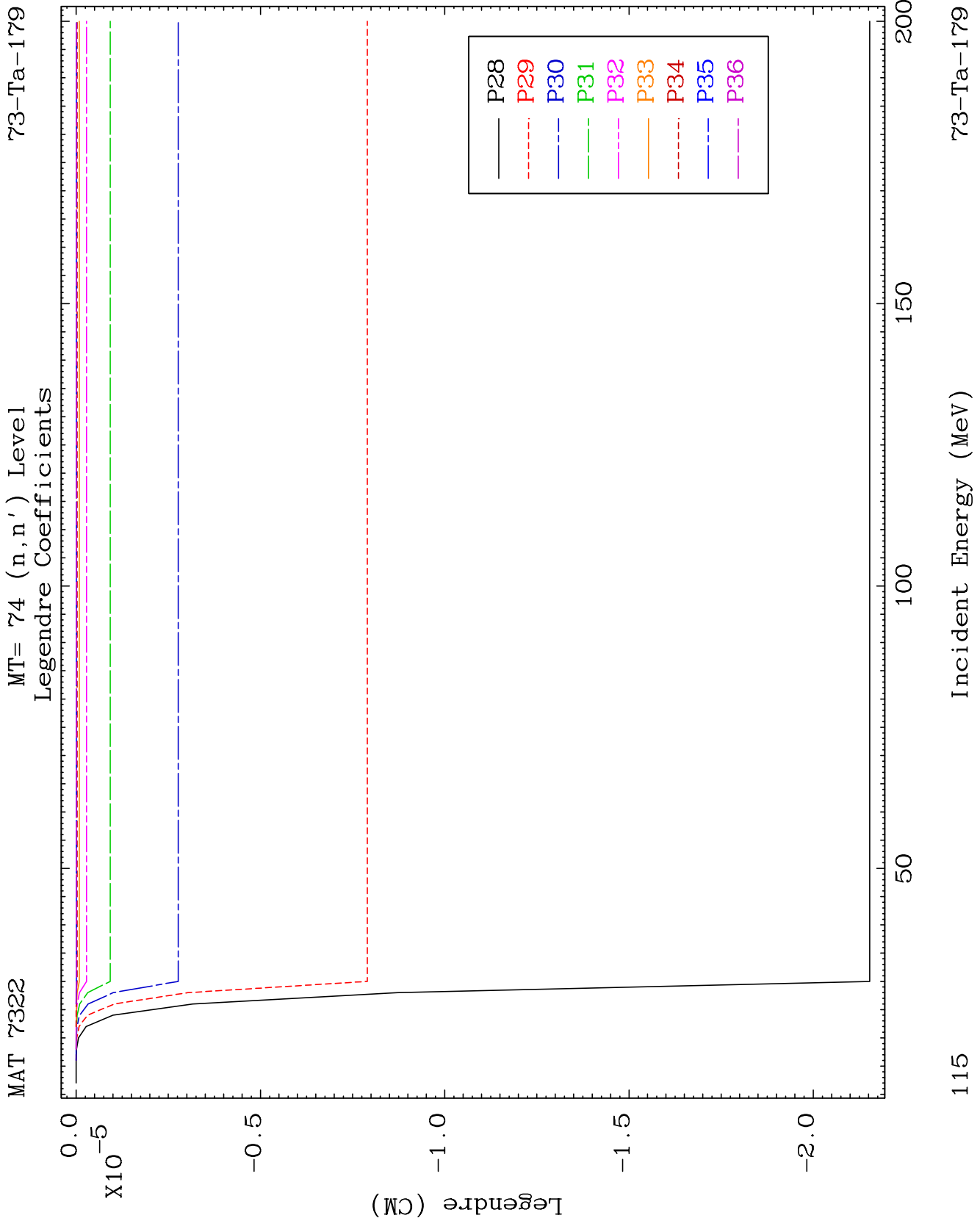
73-Ta-179



114

Incident Energy (MeV)

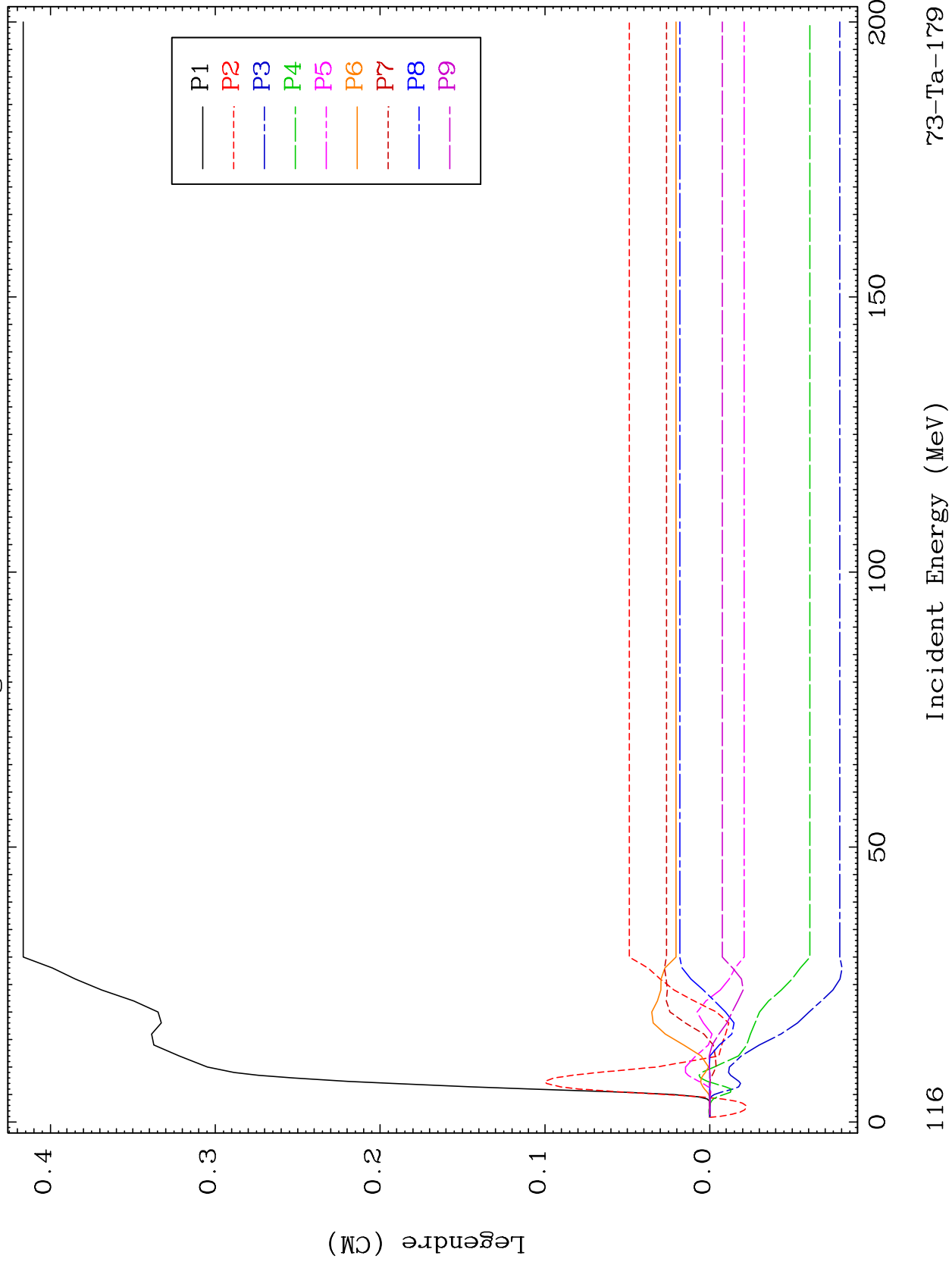
73-Ta-179



MAT 7322

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

73-Ta-179



116

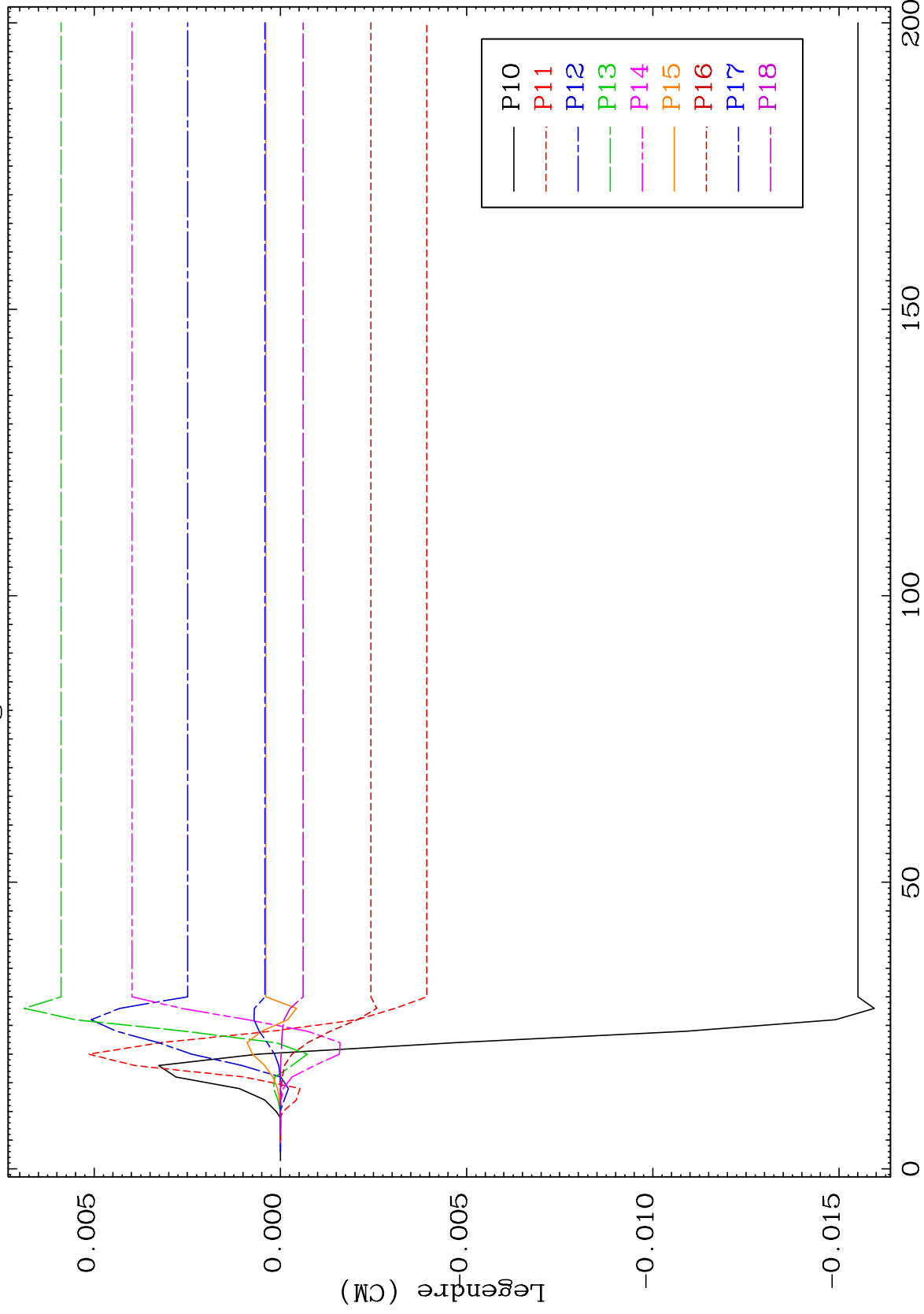
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179



117

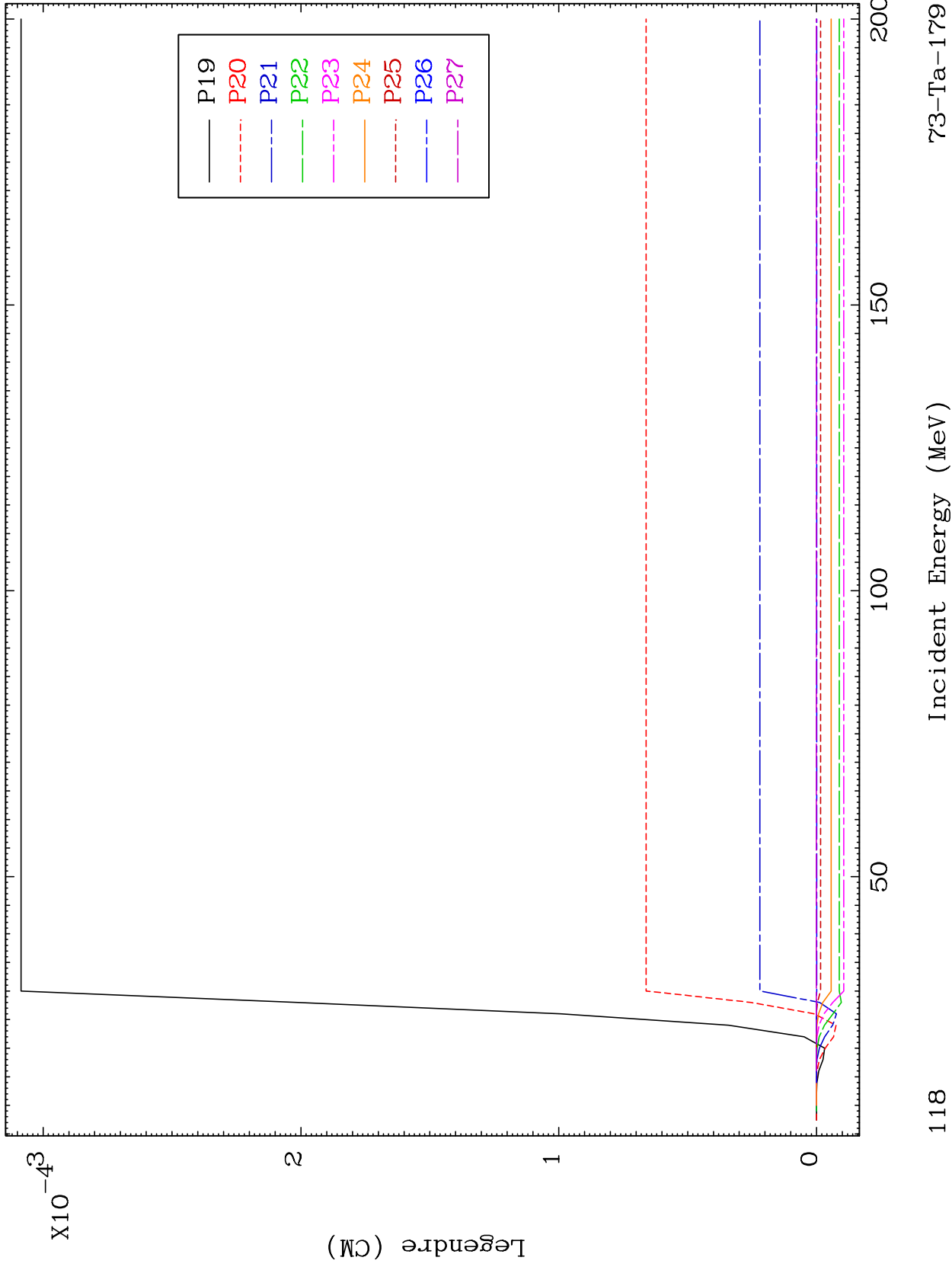
Incident Energy (MeV)

73-Ta-179

MAT 7322

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

73-Ta-179

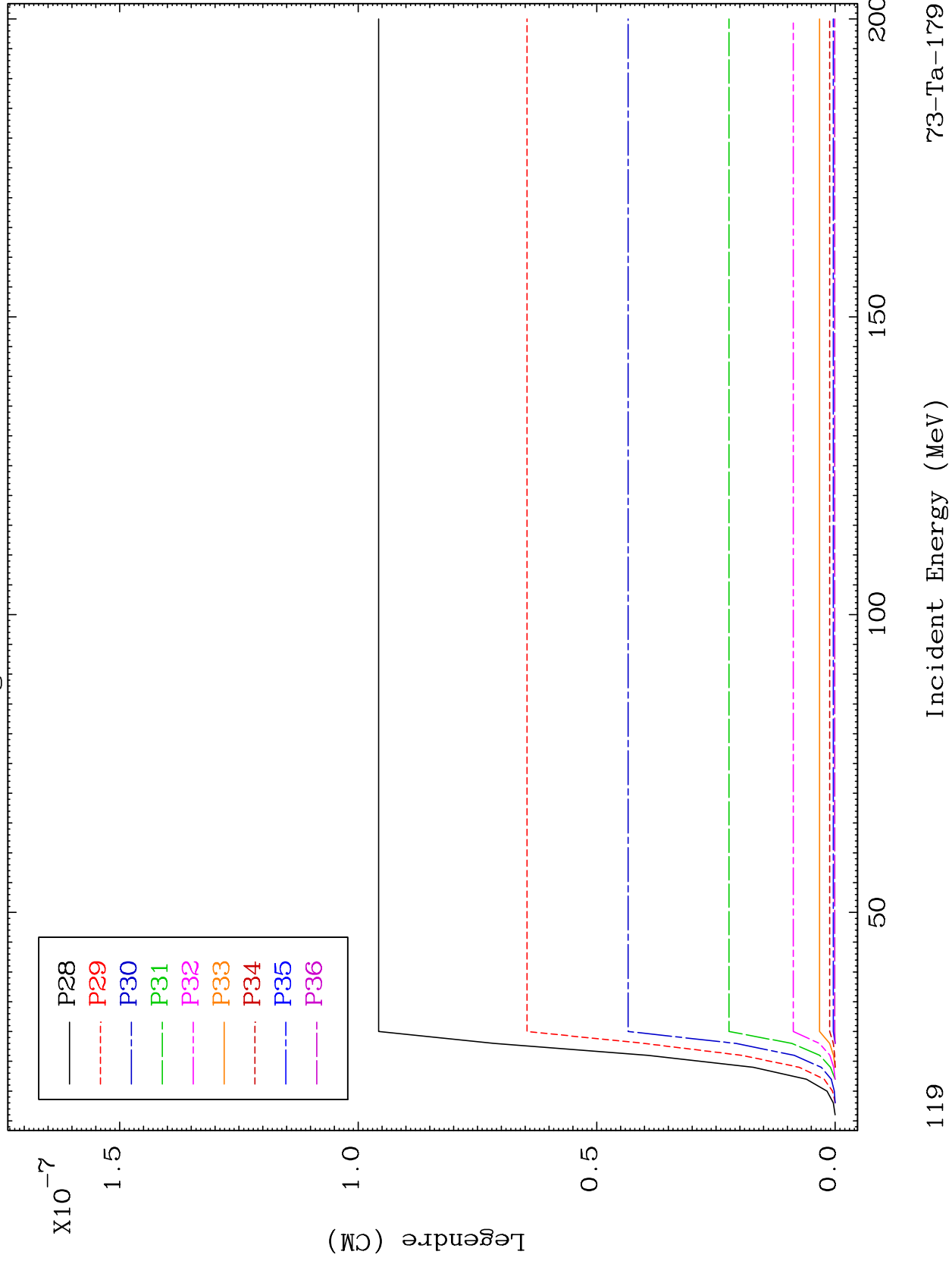


118

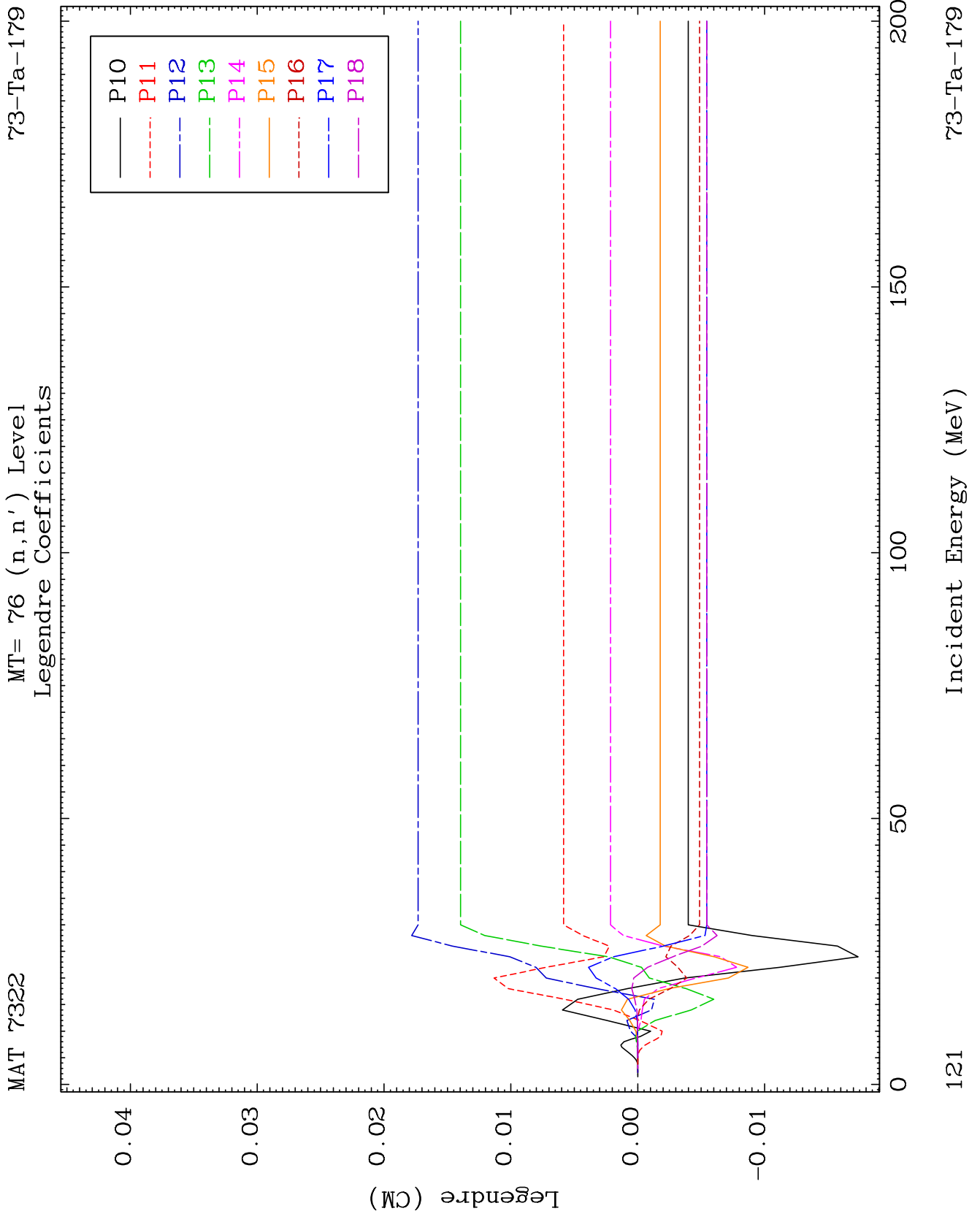
MAT 7322

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

73-Ta-179



119



73-Ta-179

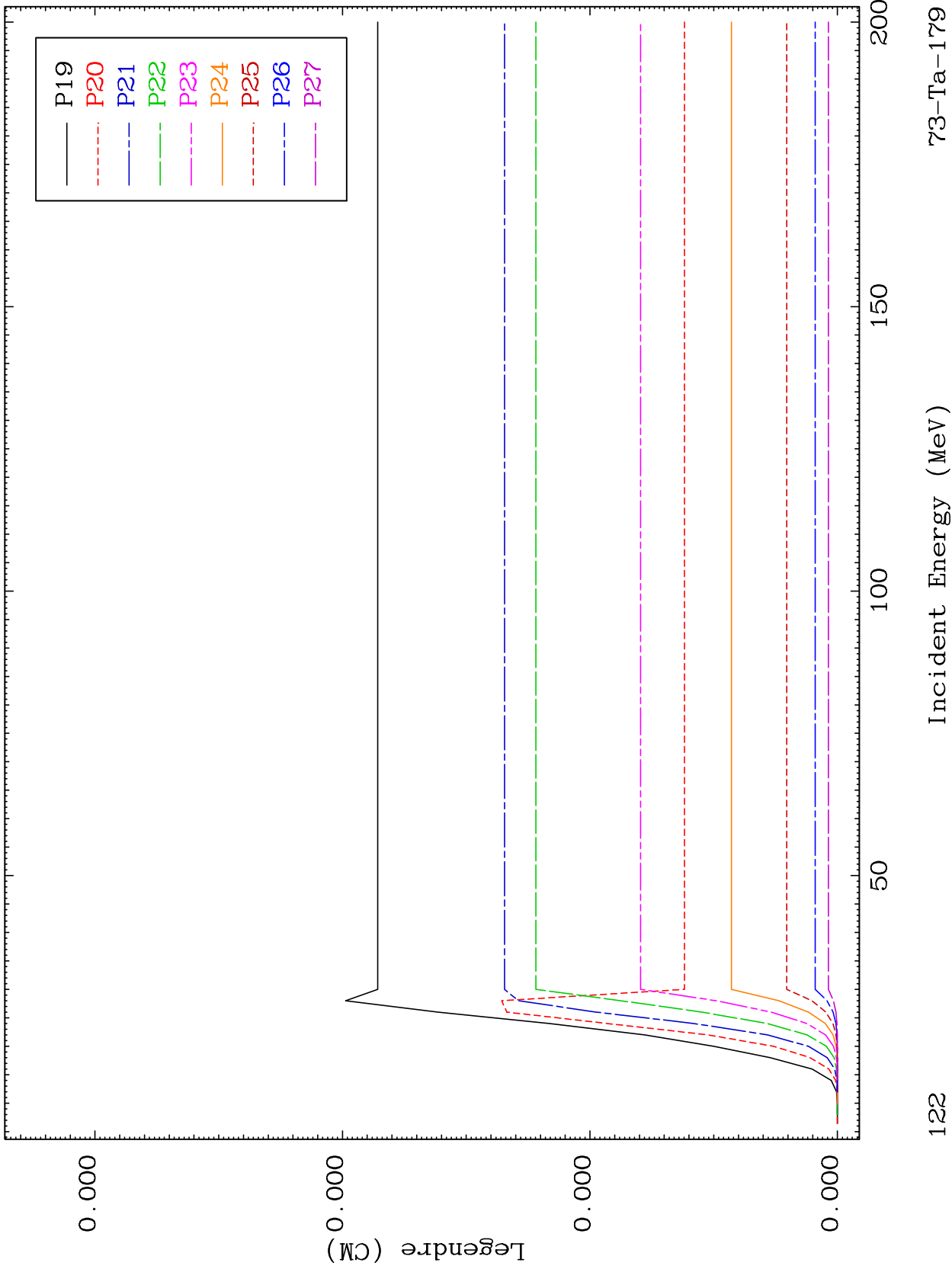
Incident Energy (MeV)

121

MAT 7322

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

73-Ta-179



122

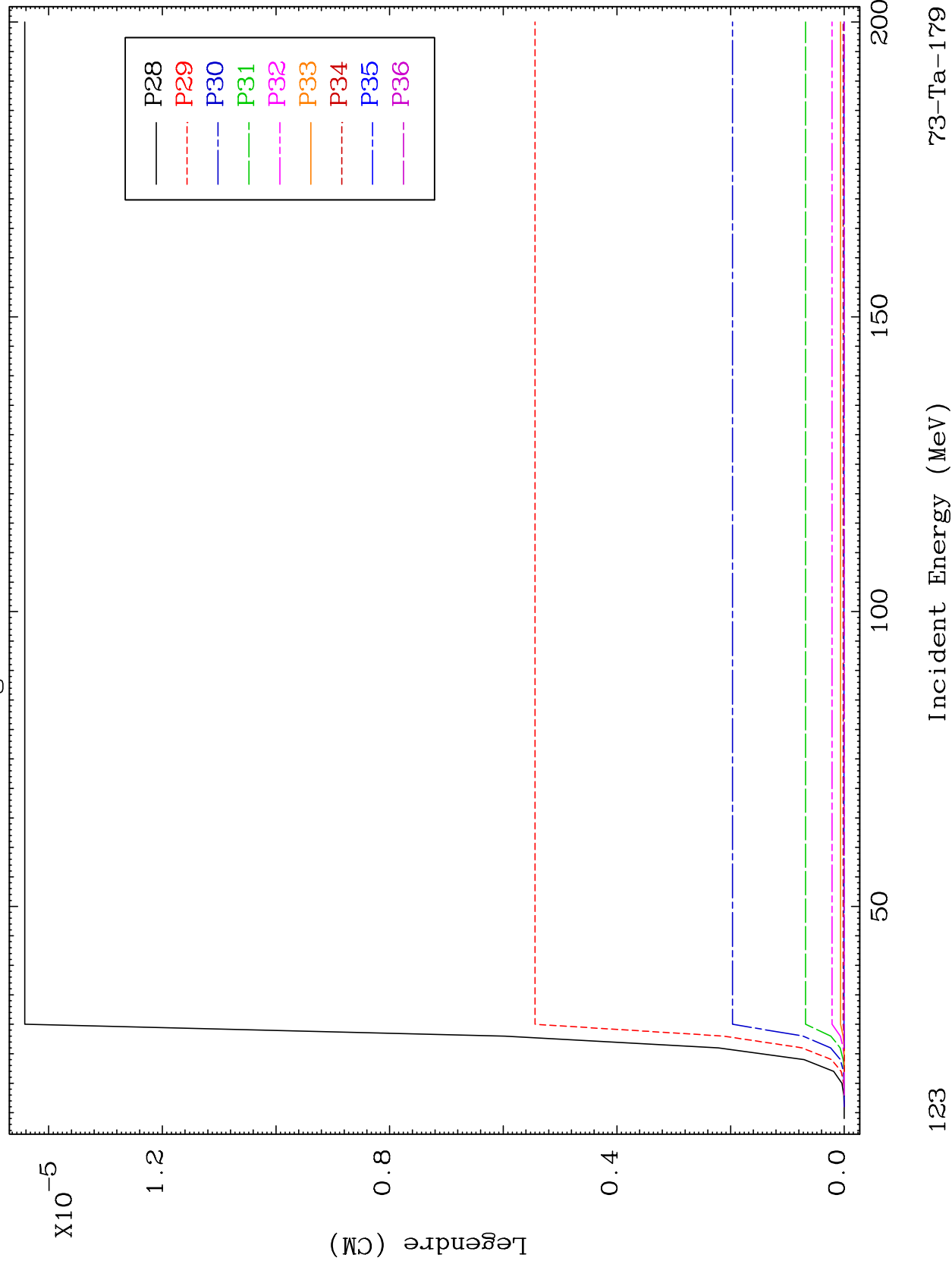
Incident Energy (MeV)

73-Ta-179

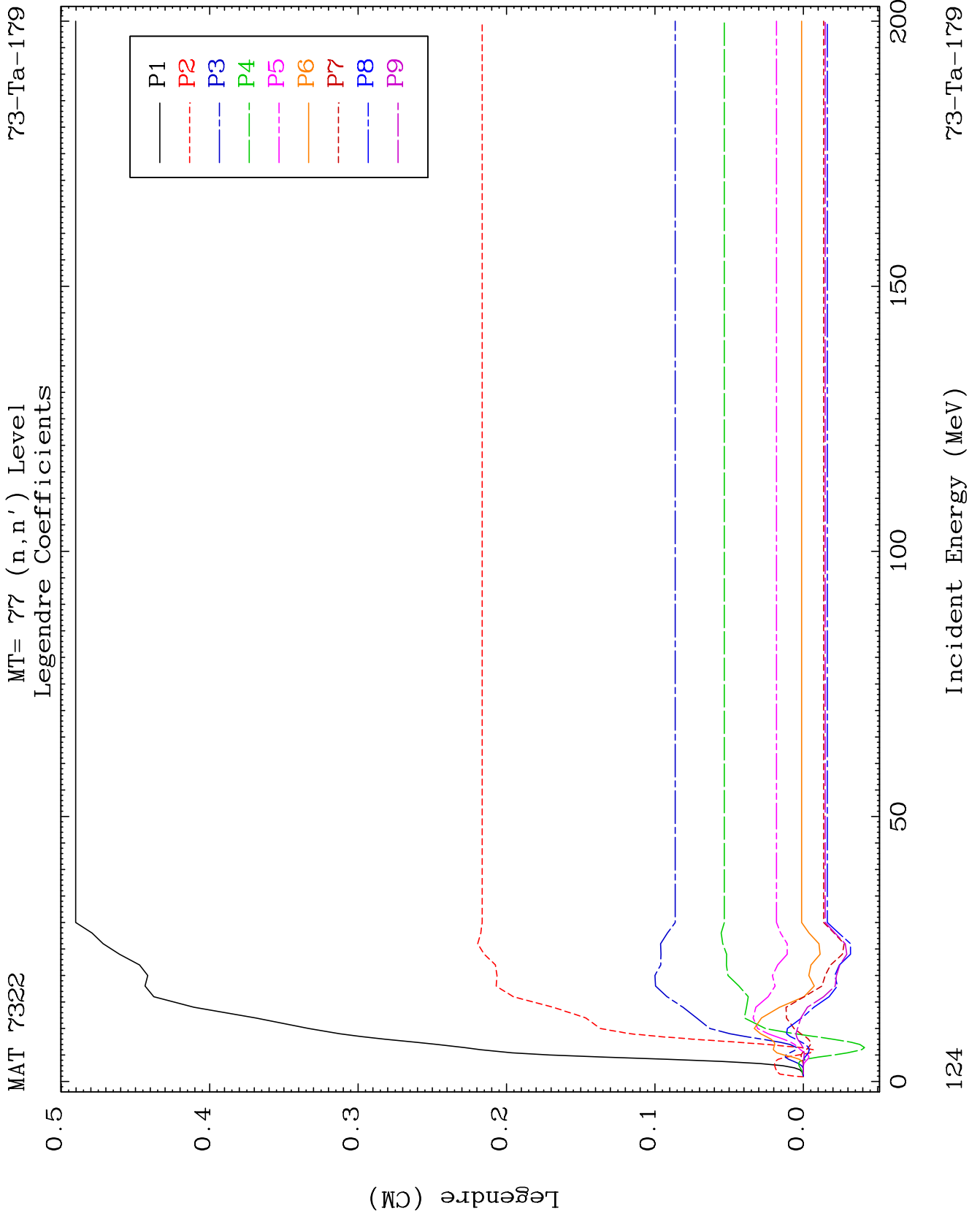
MAT 7322

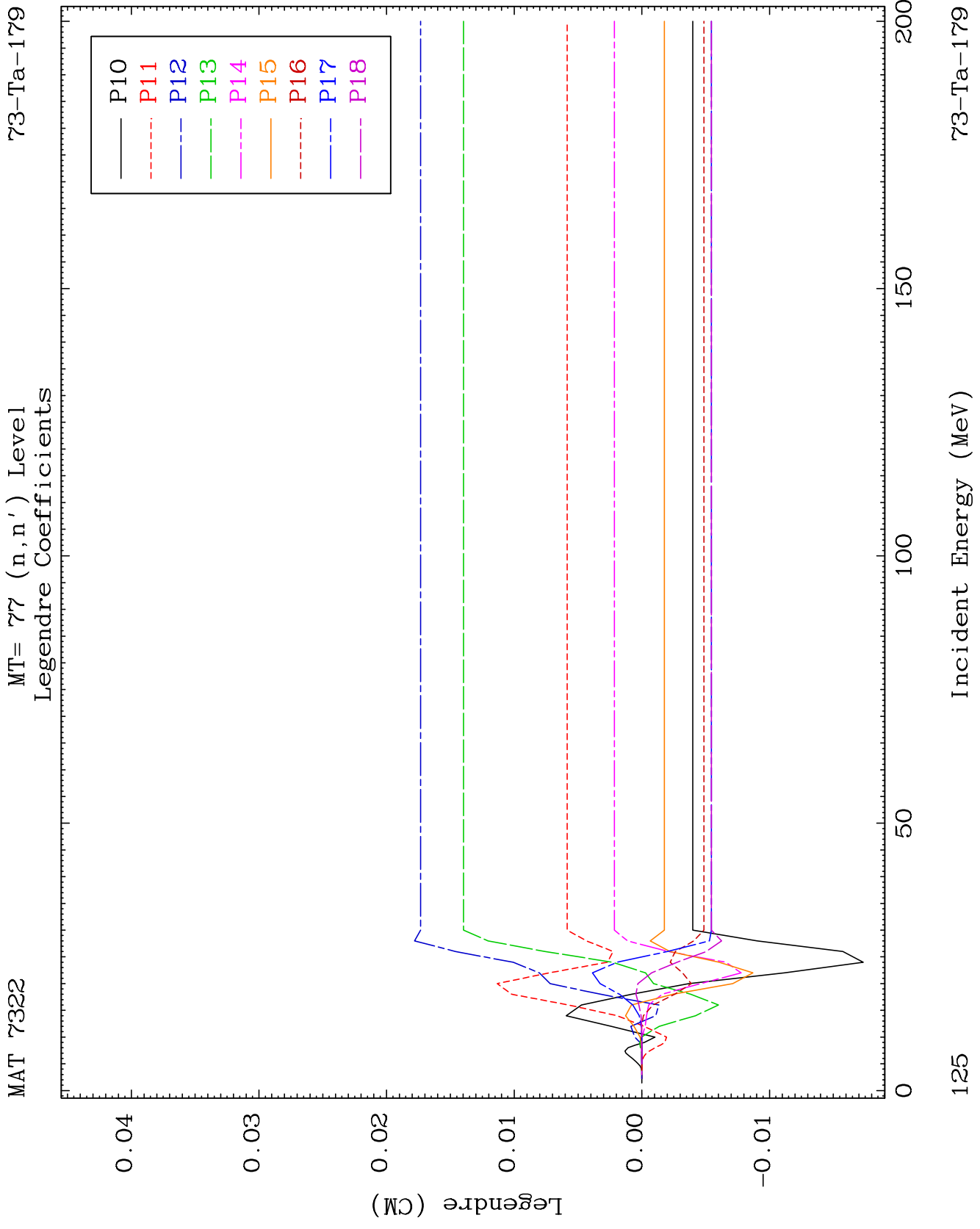
MT= 76 (n,n') Level
Legendre Coefficients

73-Ta-179



123

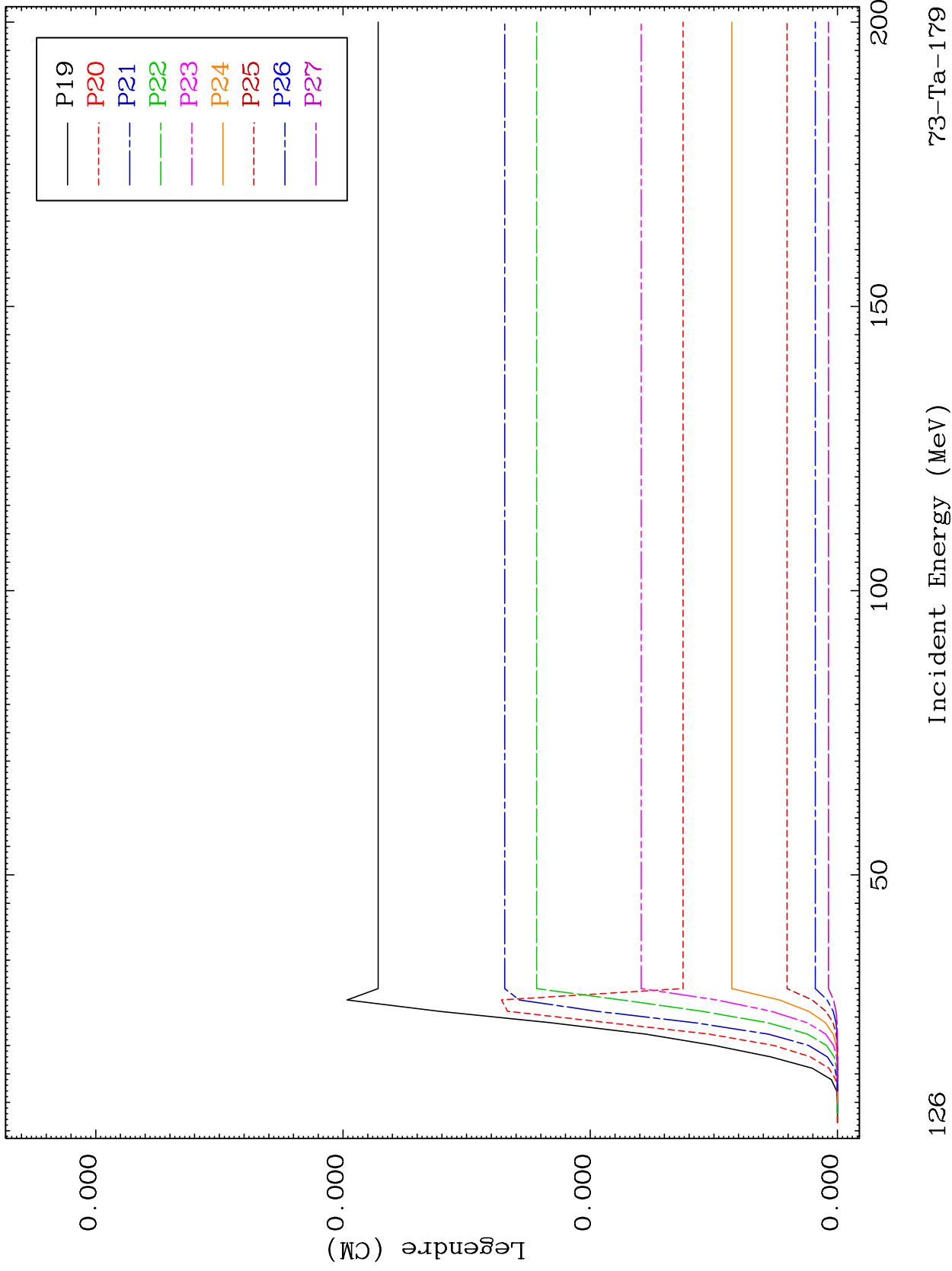




MAT 7322

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

73-Ta-179



126

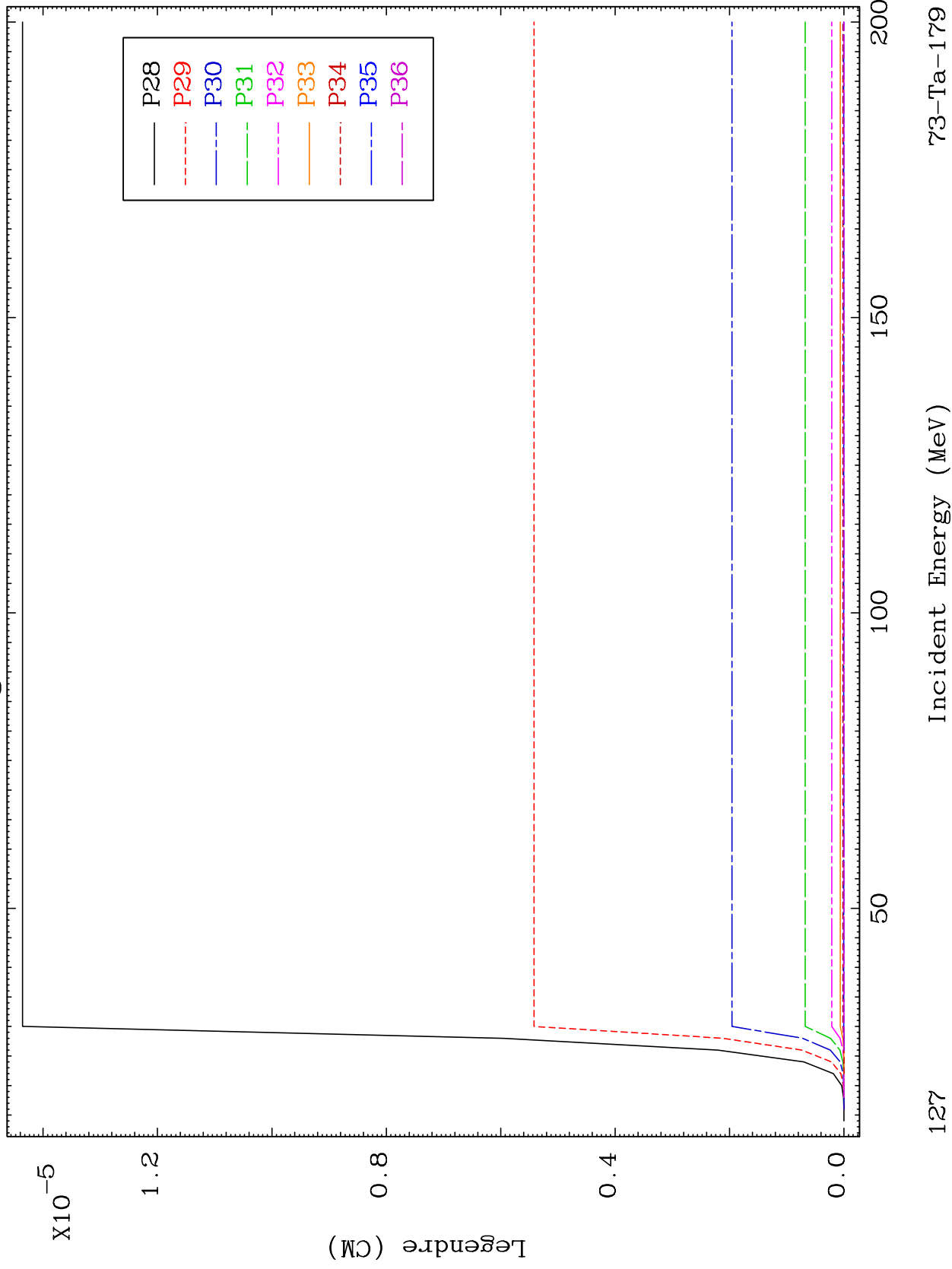
Incident Energy (MeV)

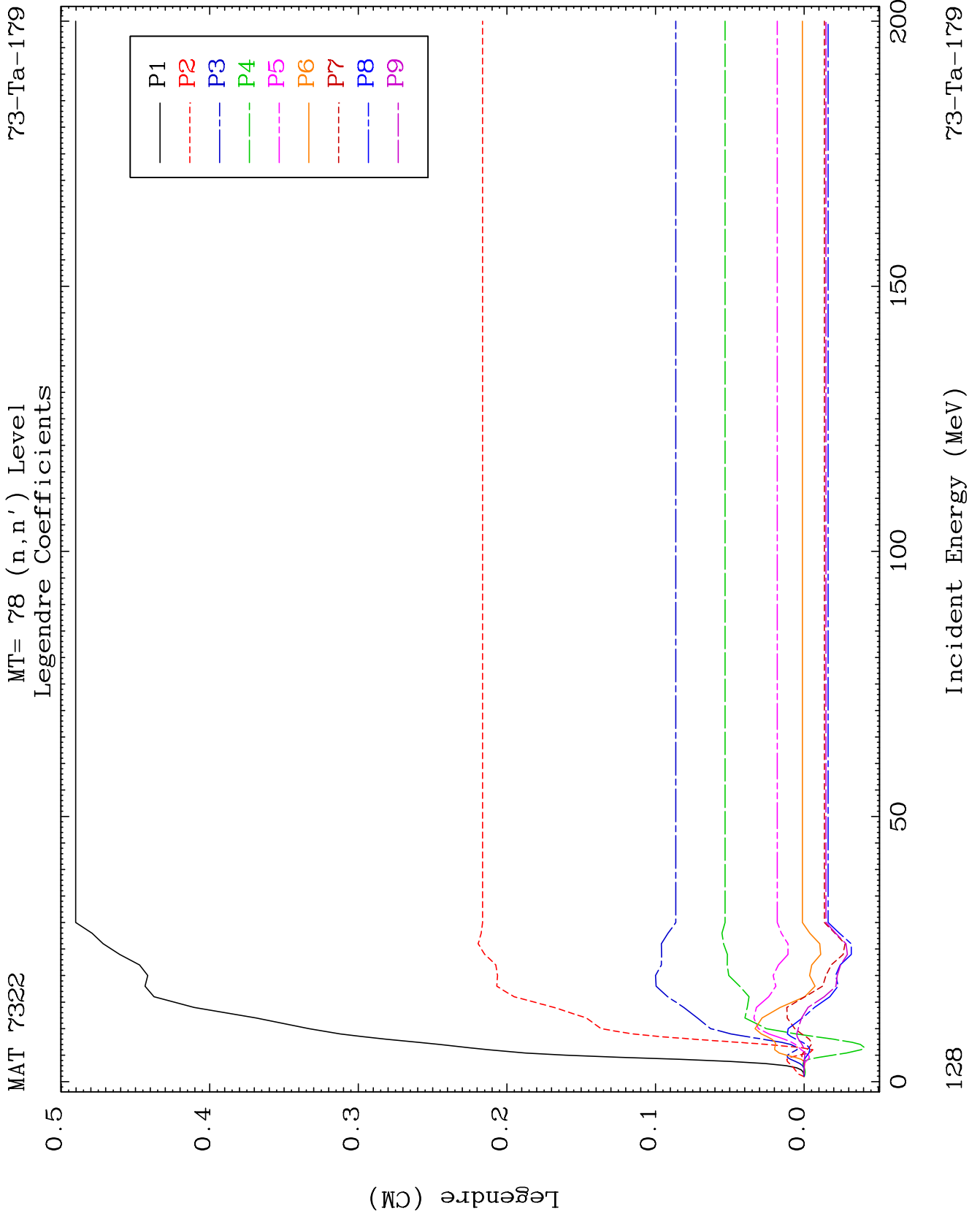
73-Ta-179

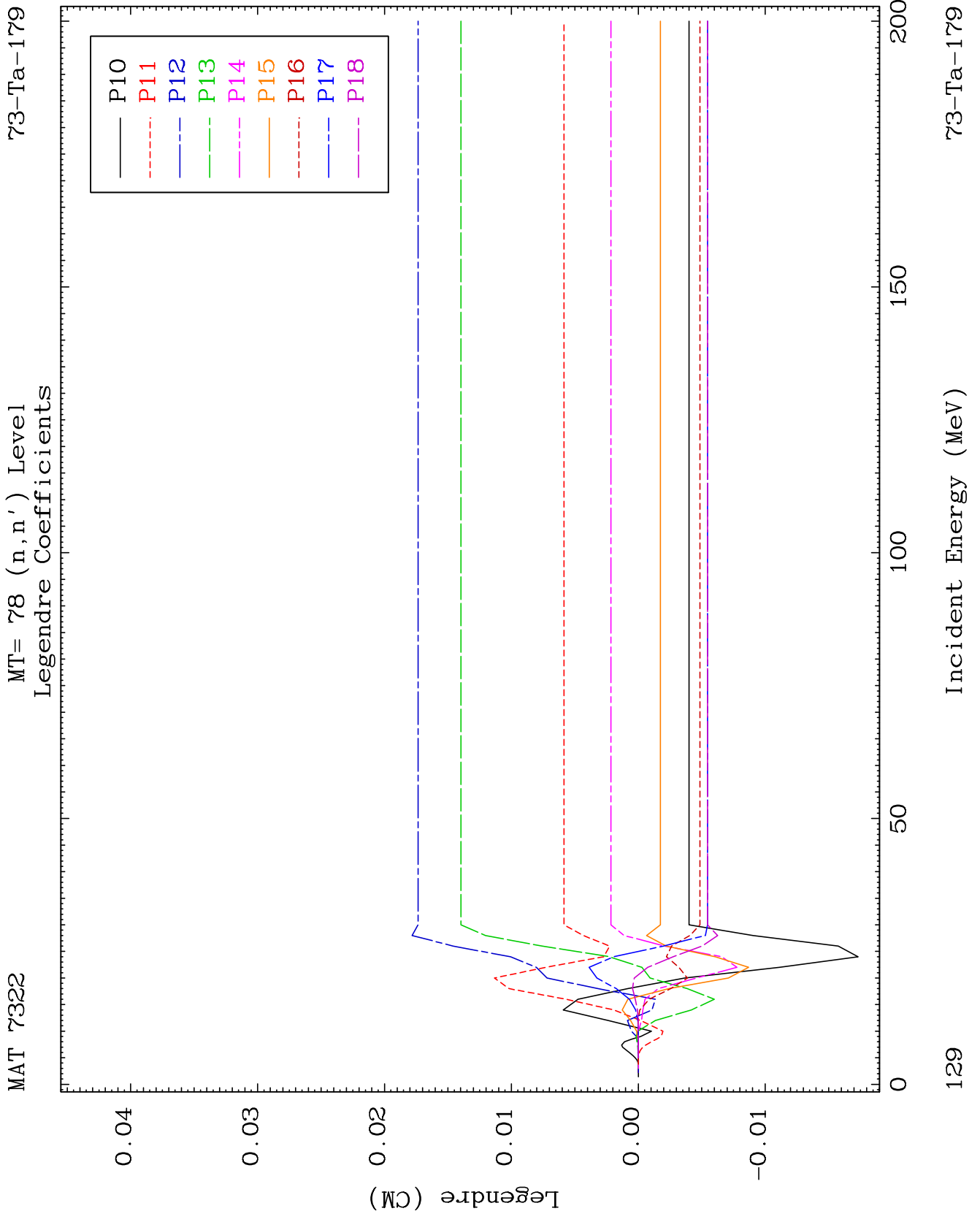
MAT 7322

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

73-Ta-179



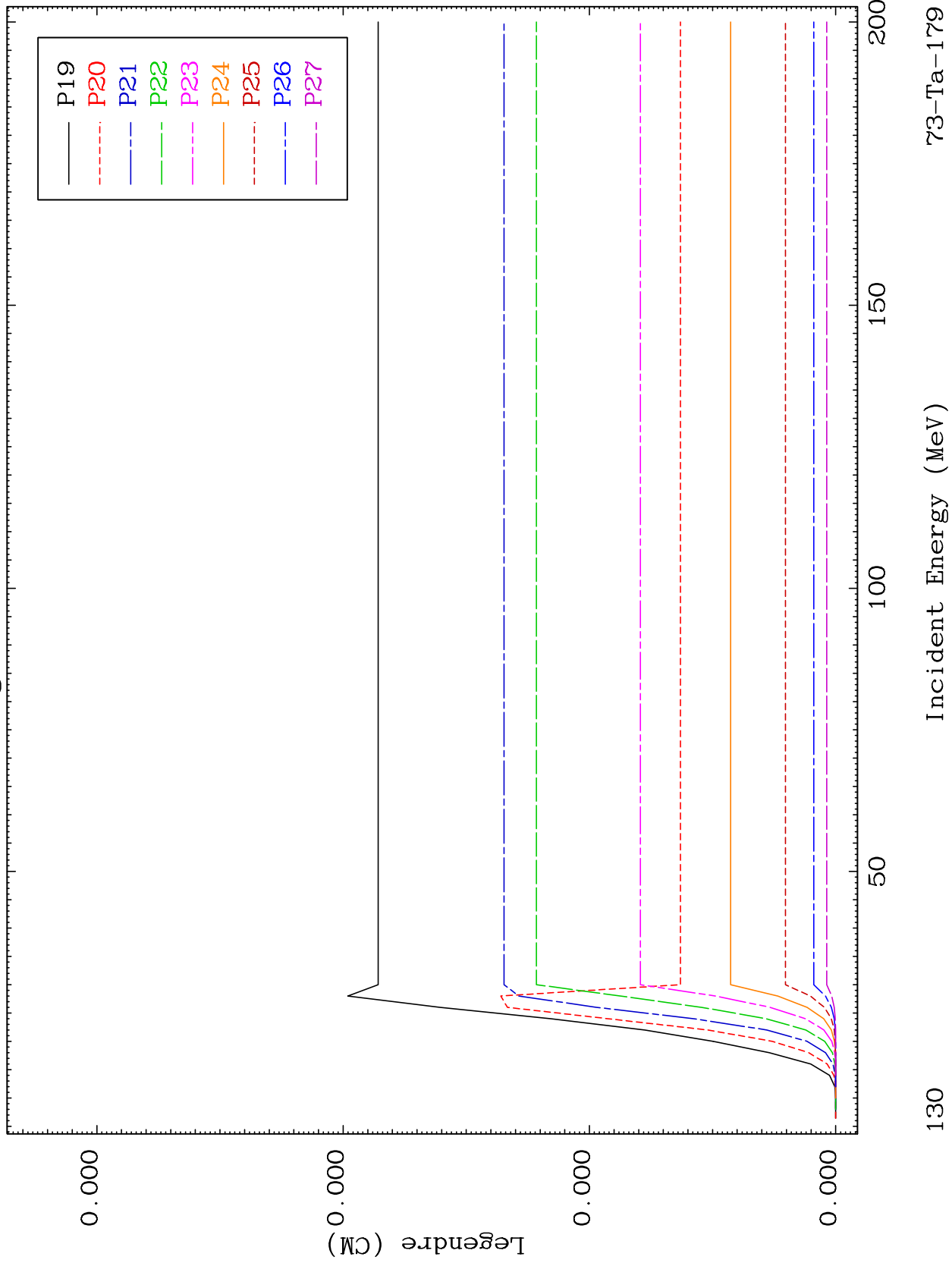




MAT 7322

MT= 78 (n,n') Level
Legendre Coefficients

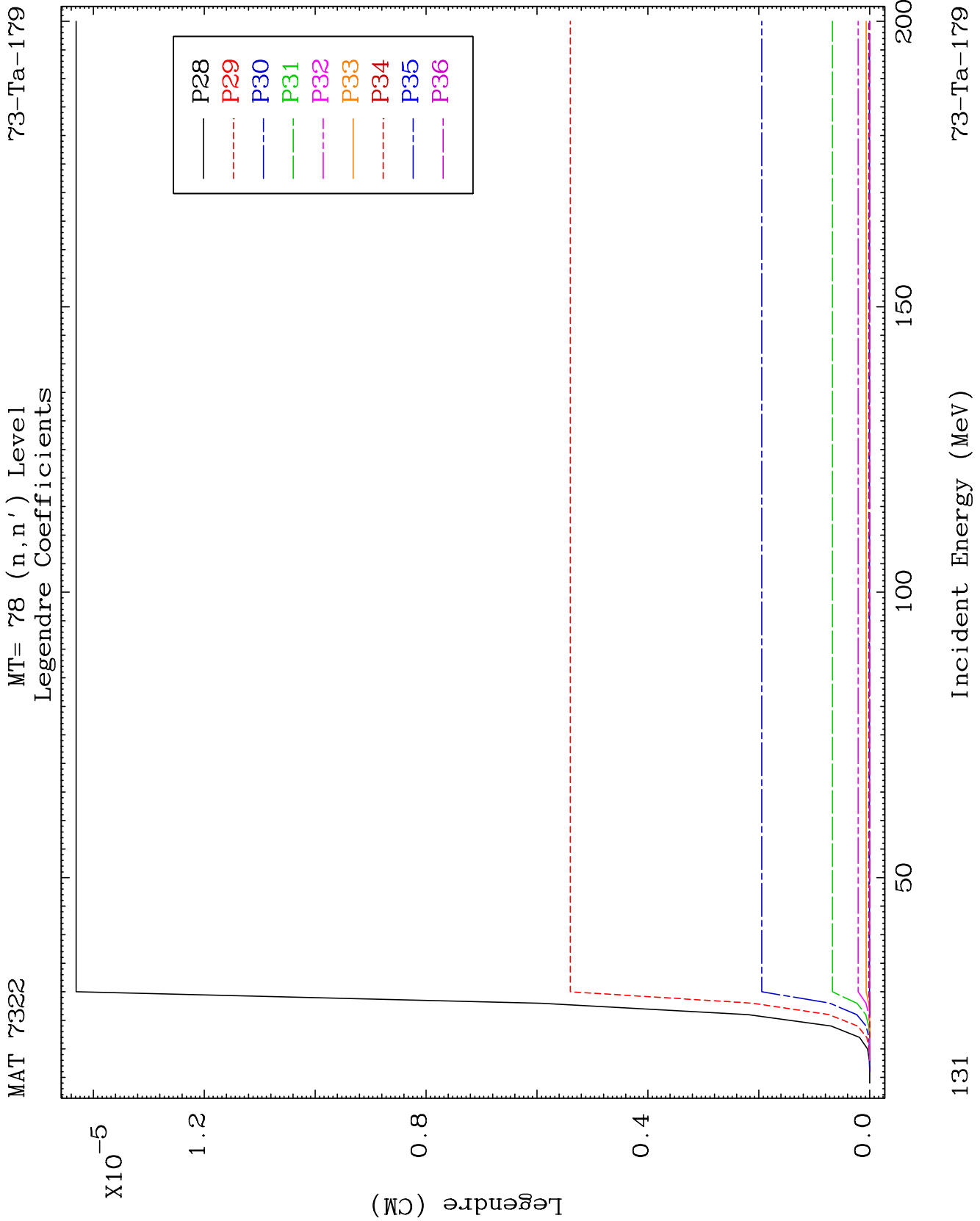
73-Ta-179



73-Ta-179

Incident Energy (MeV)

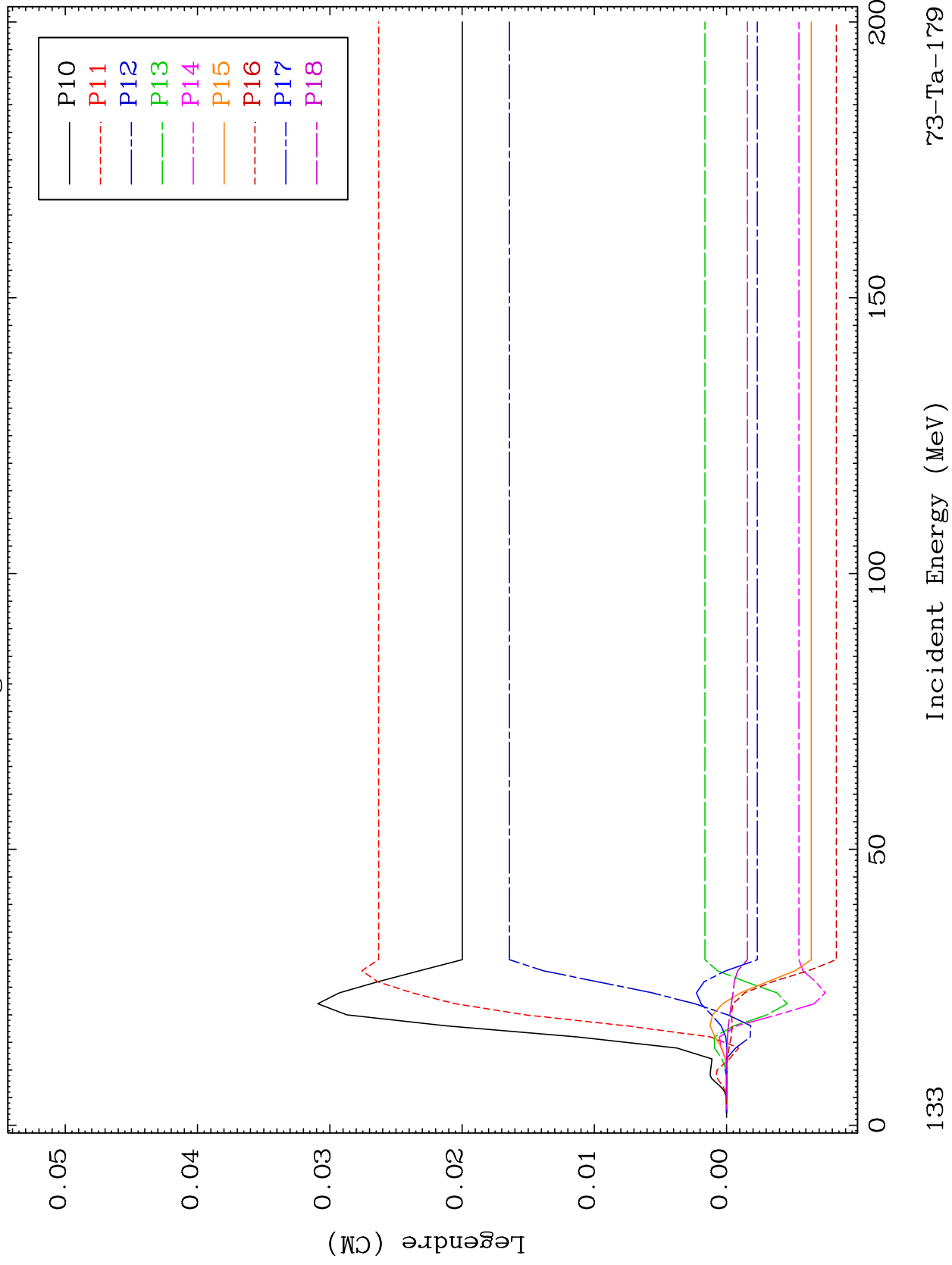
130



MAT 7322

MT= 79 (n,n') Level
Legendre Coefficients

73-Ta-179



133

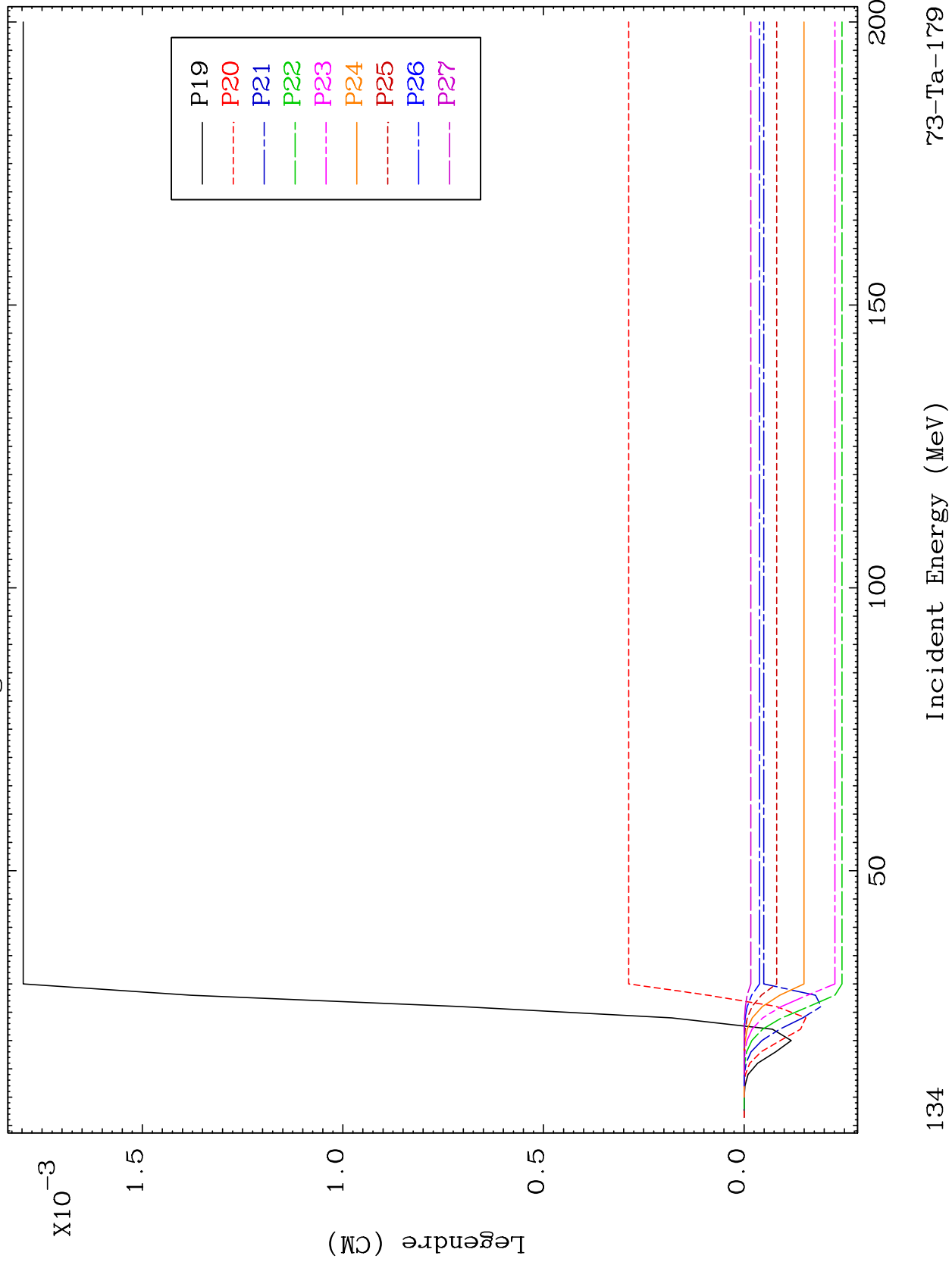
Incident Energy (MeV)

73-Ta-179

MAT 7322

MT= 79 (n,n') Level
Legendre Coefficients

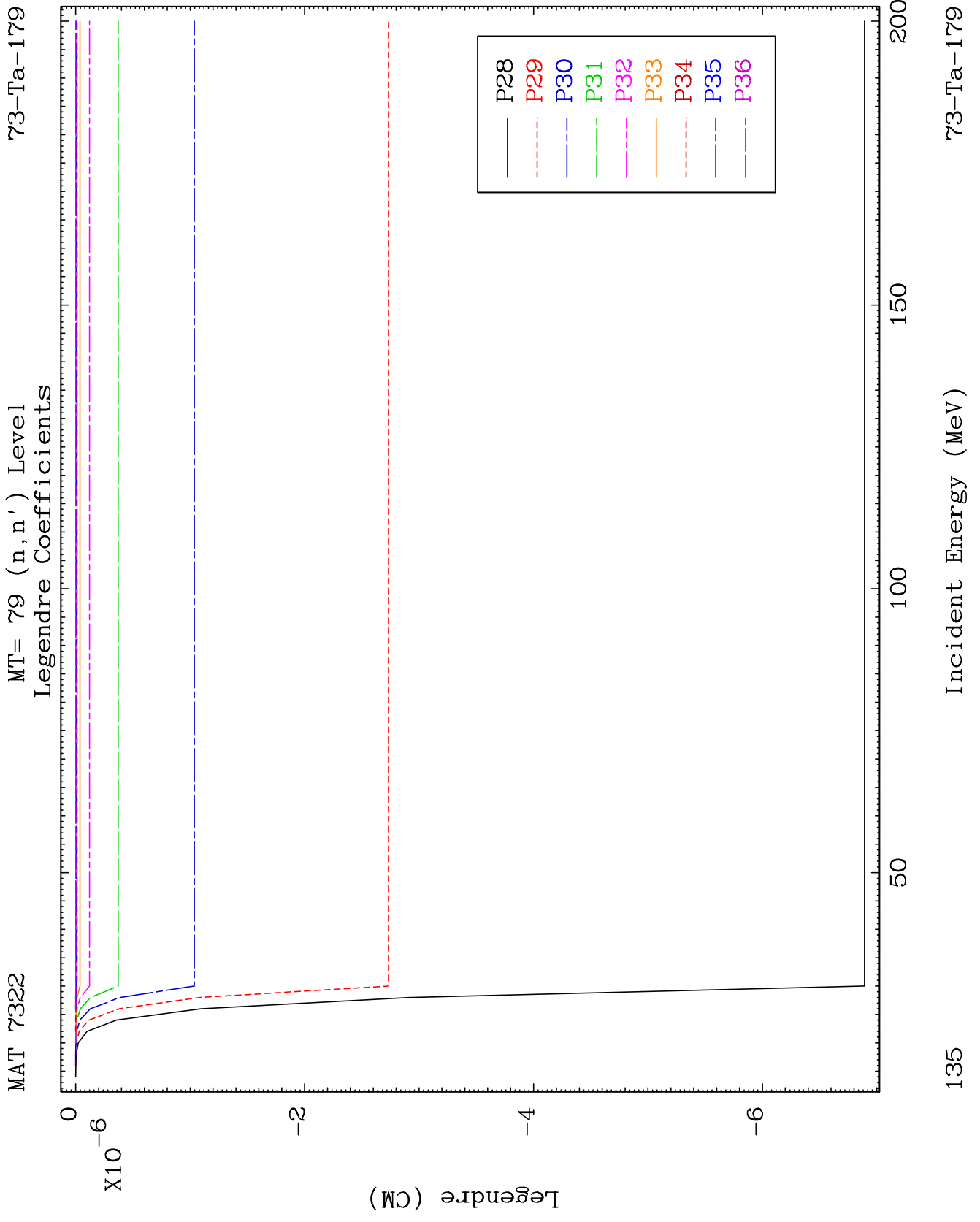
73-Ta-179

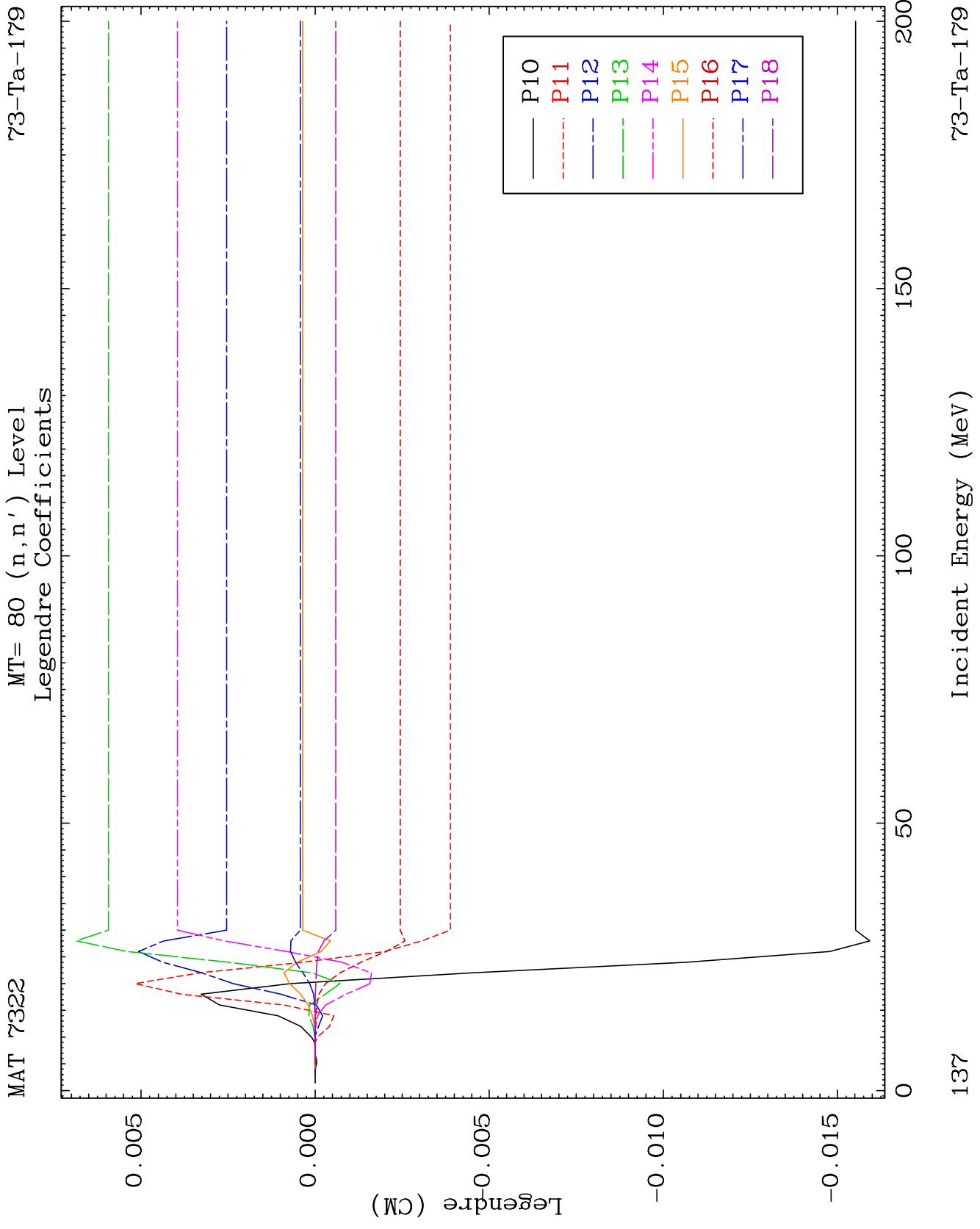


134

Incident Energy (MeV)

73-Ta-179

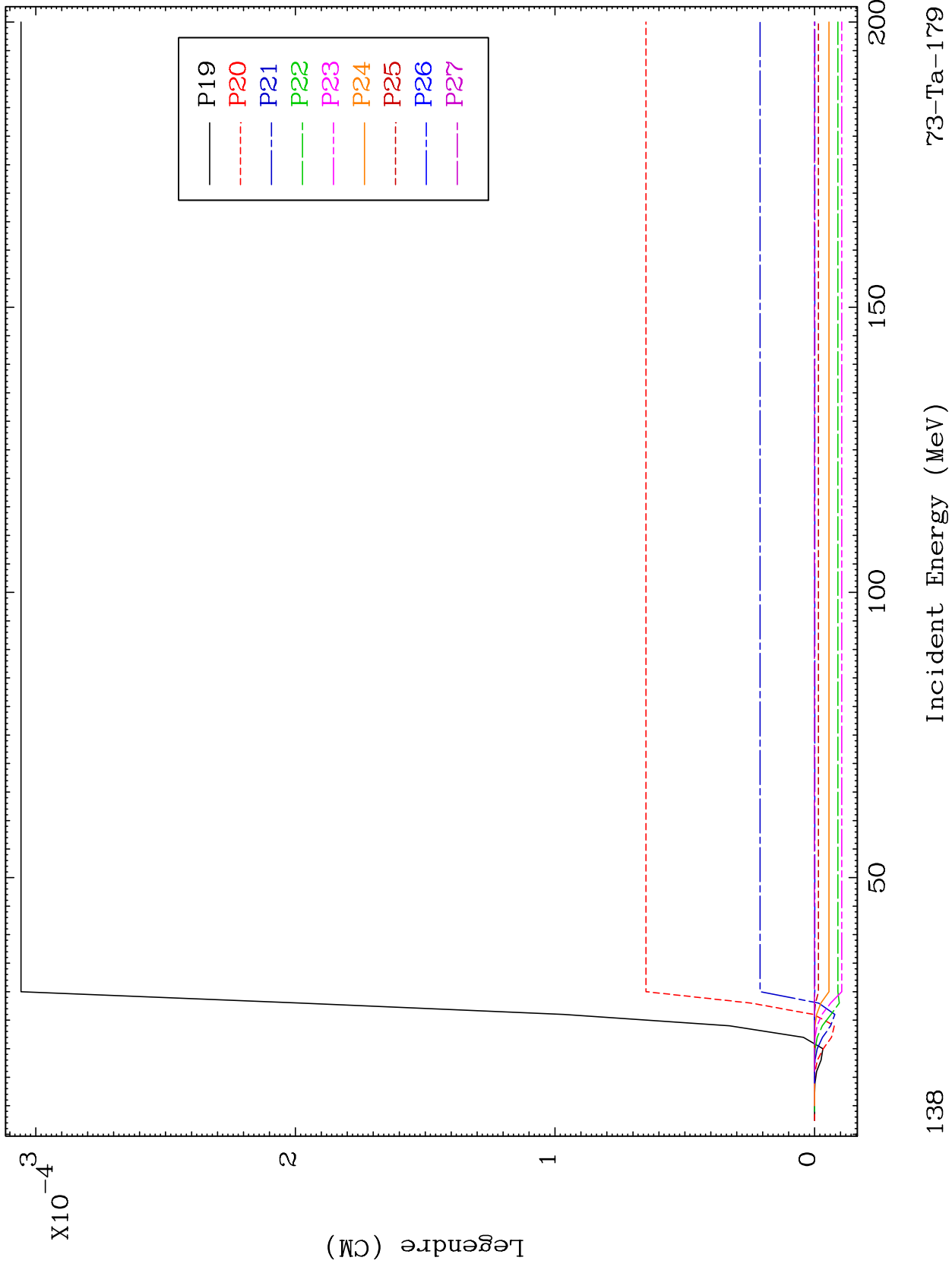




MAT 7322

MT= 80 (n,n') Level
Legendre Coefficients

73-Ta-179



138

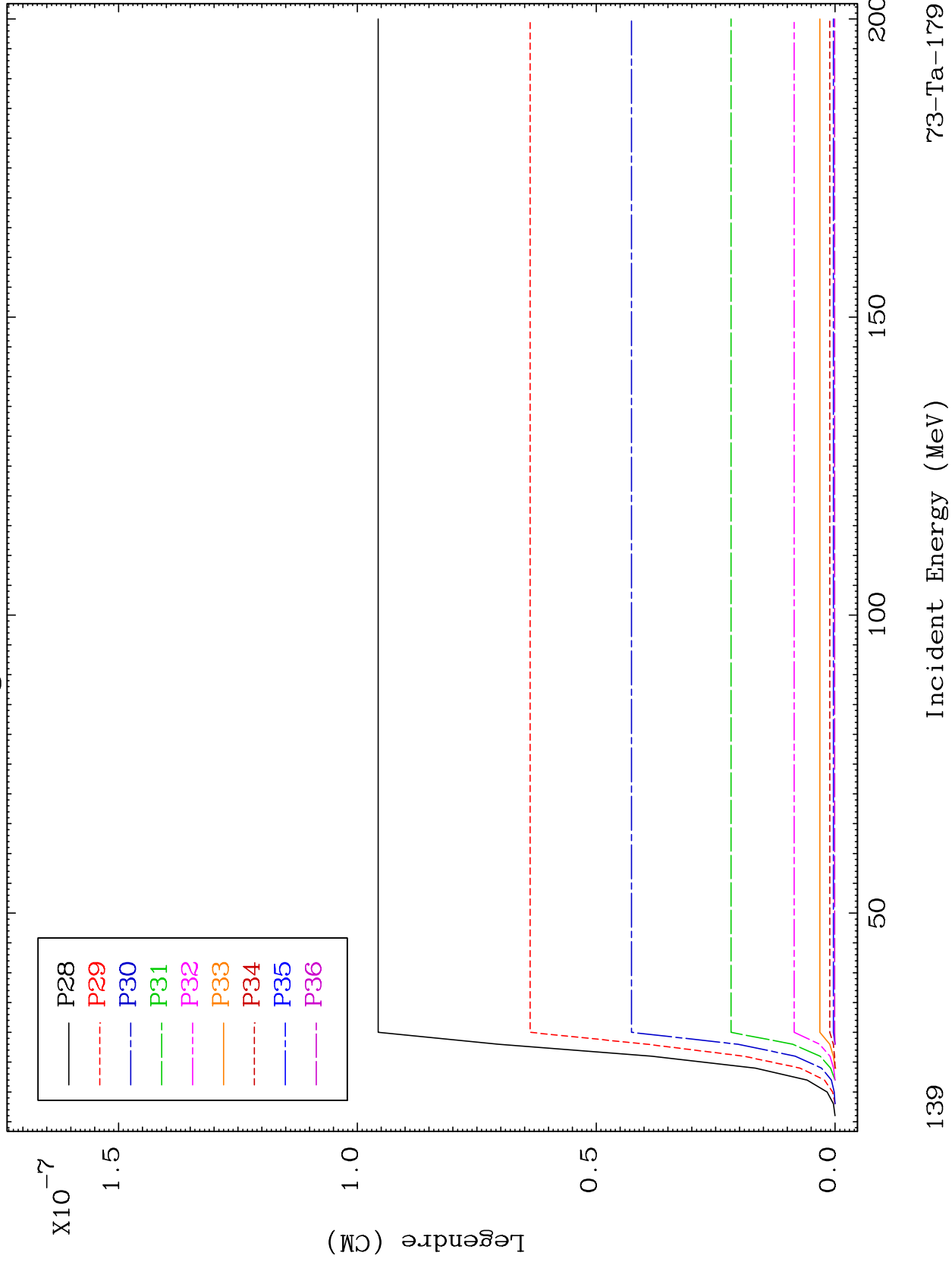
Incident Energy (MeV)

73-Ta-179

MAT 7322

MT= 80 (n,n') Level
Legendre Coefficients

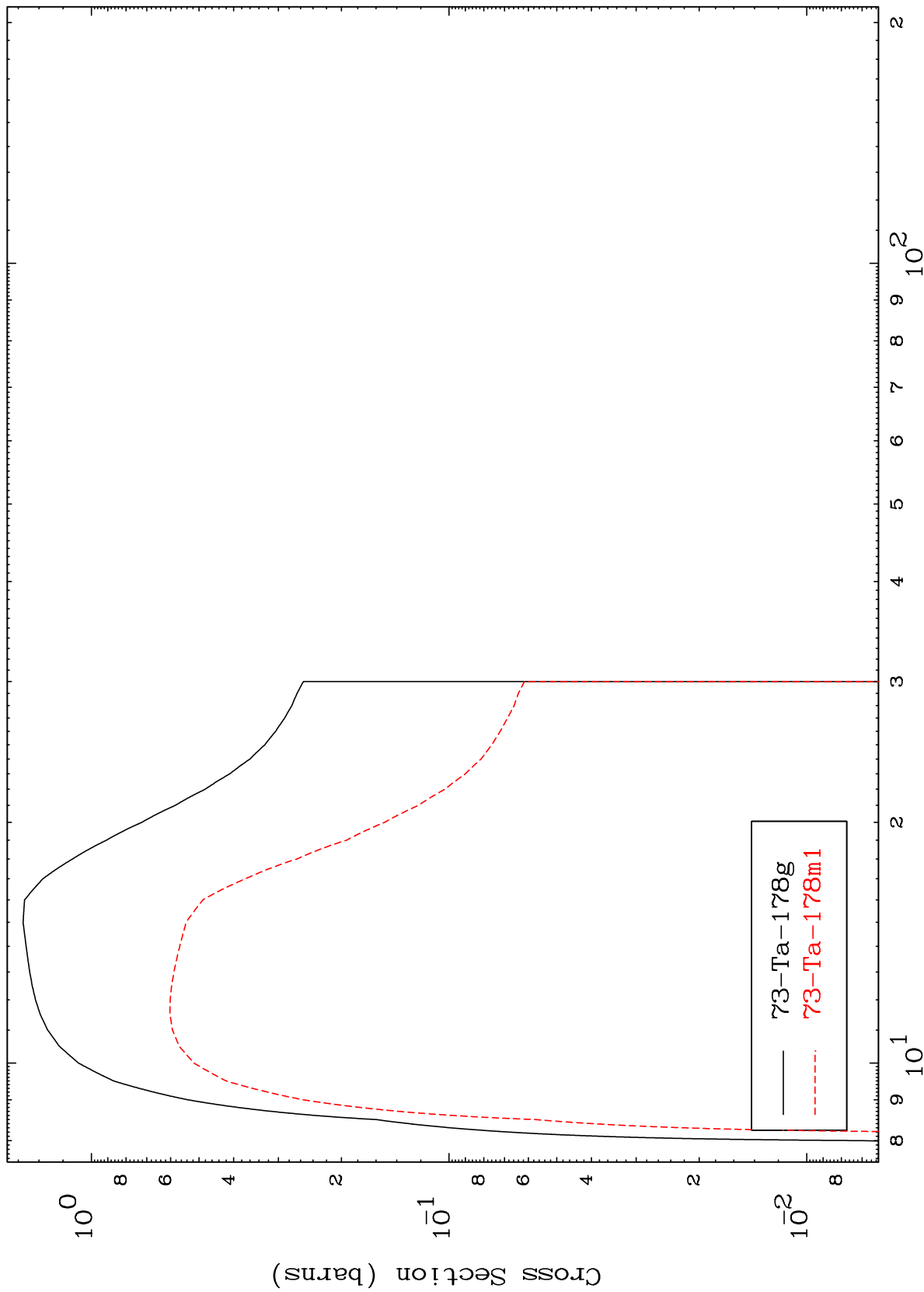
73-Ta-179



MAT 7322

⁷³Ta-179

Radionuclide Production Cross Section



⁷³Ta-179

Incident Energy (MeV)

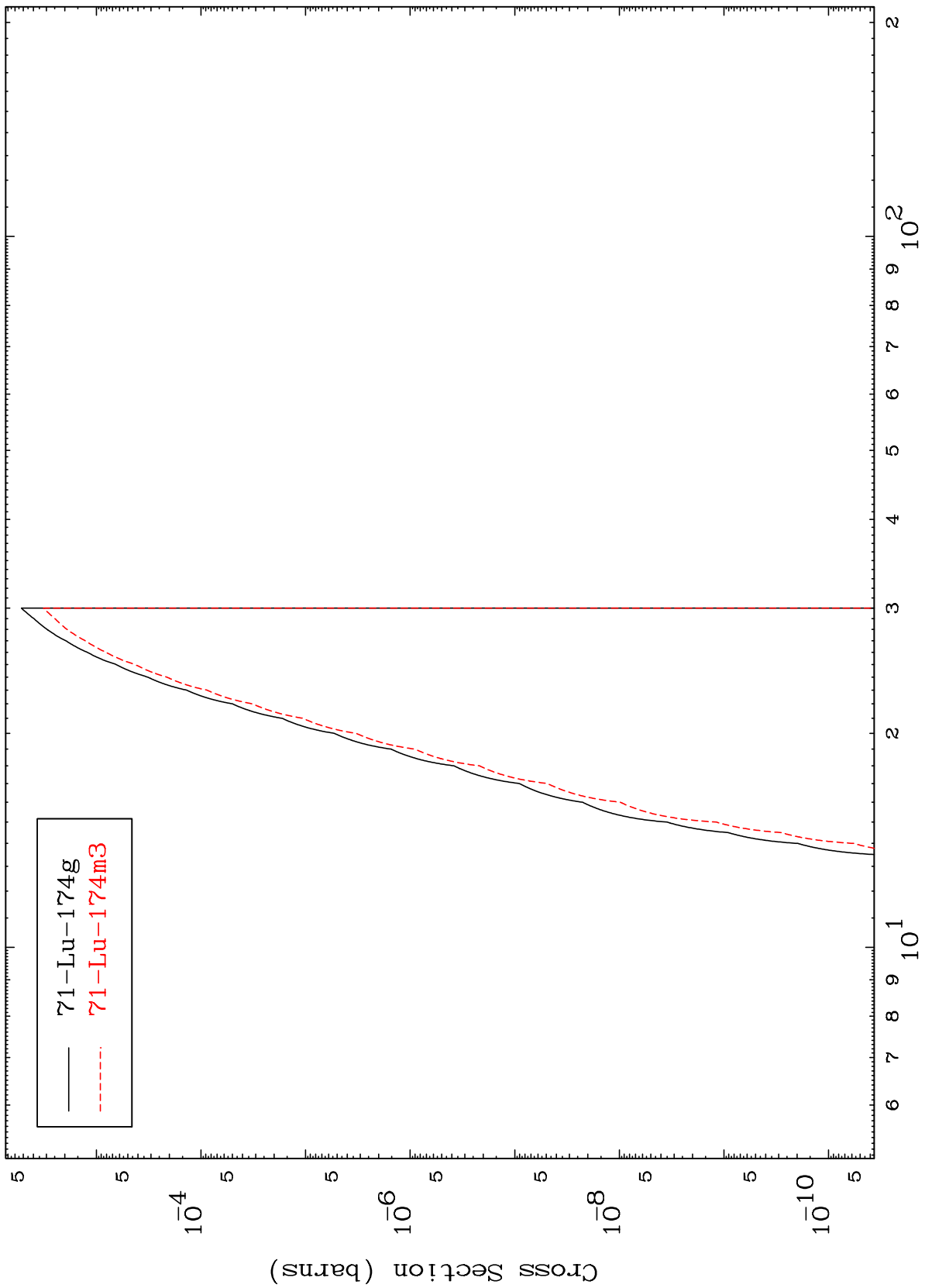
140

MAT 7322

$(n,2n) \alpha$

$^{73}\text{Ta-179}$

Radionuclide Production Cross Section



141

Incident Energy (MeV)

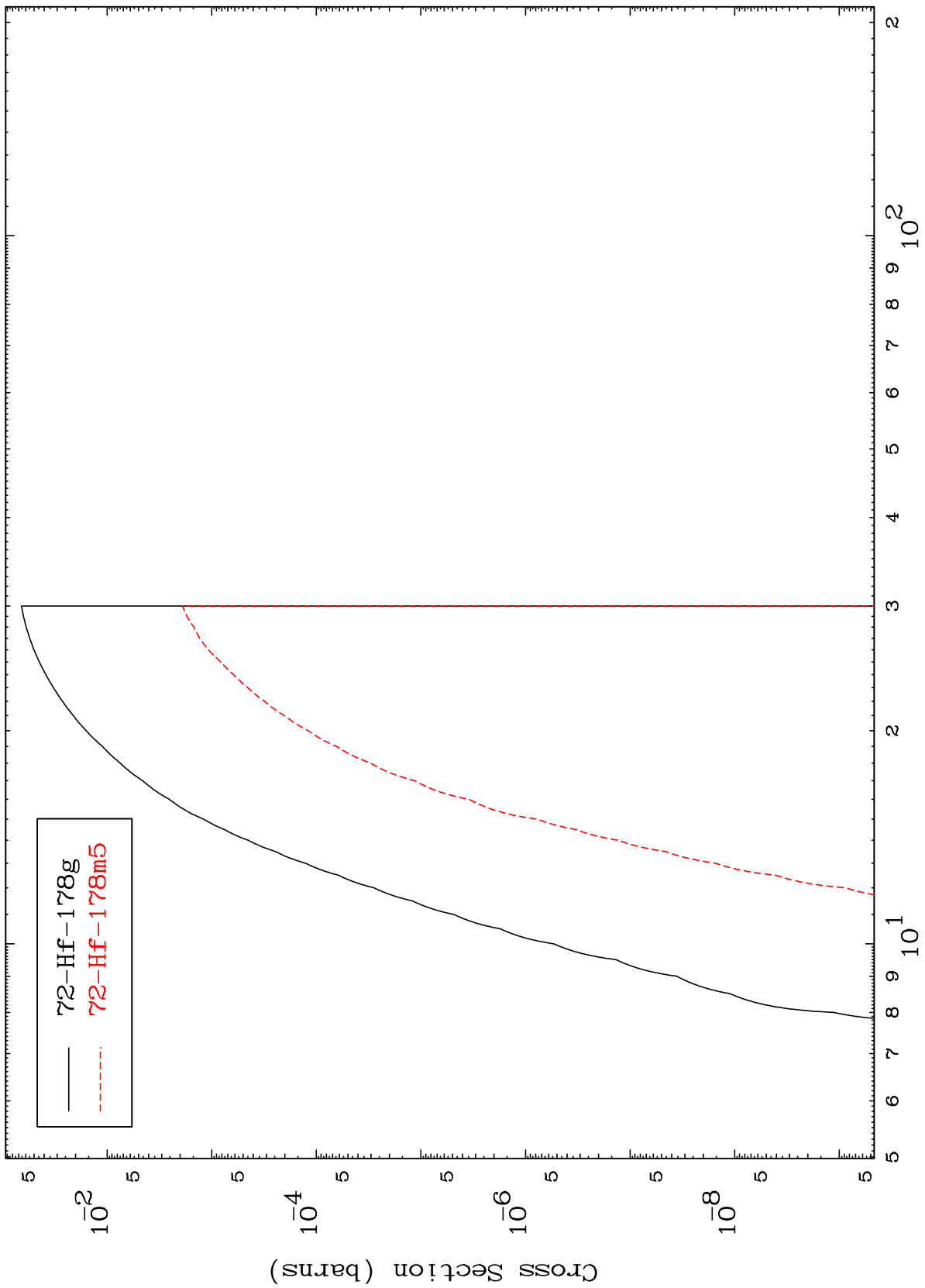
$^{73}\text{Ta-179}$

MAT 7322

(n,n') p

73-Ta-179

Radionuclide Production Cross Section



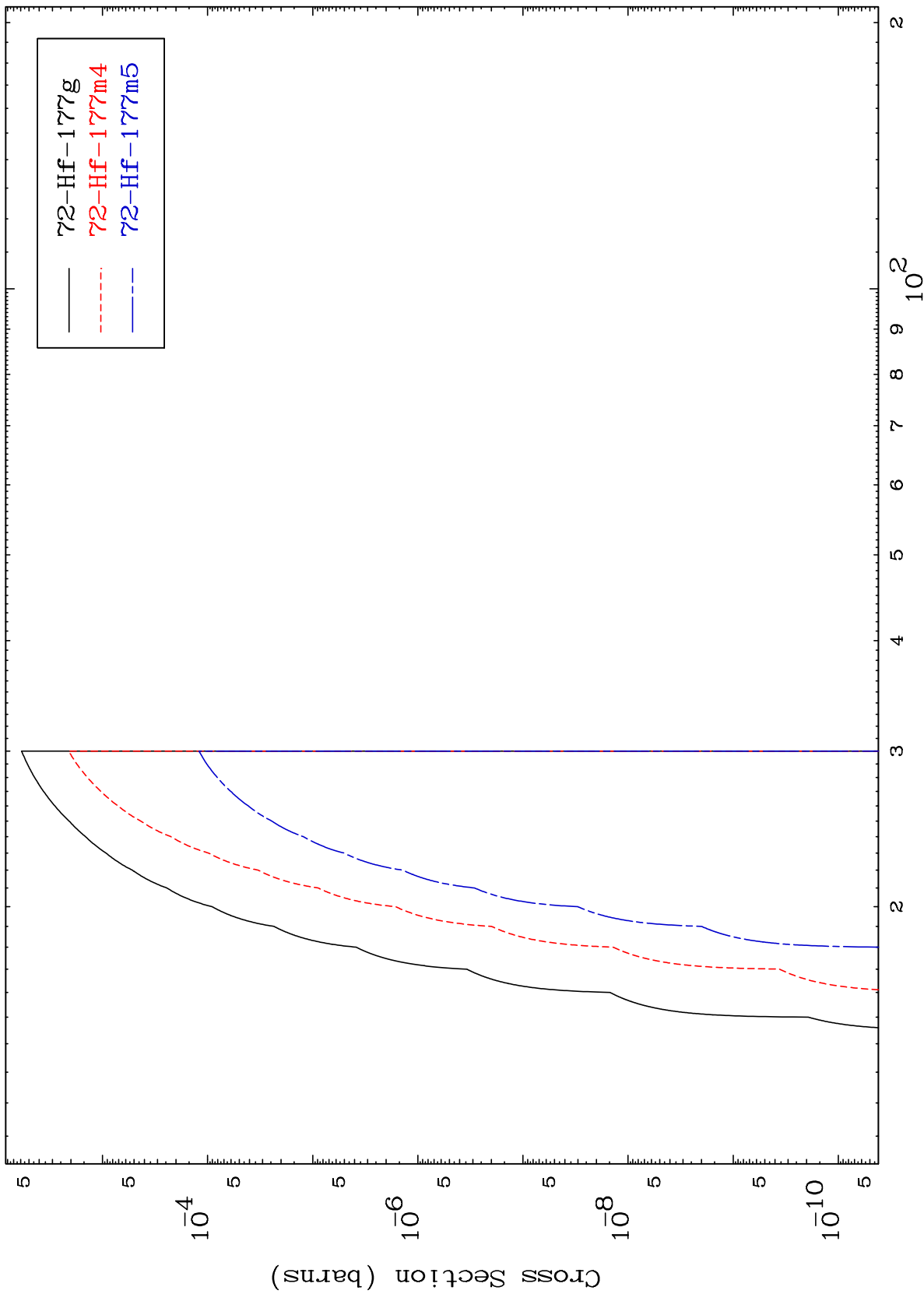
72-Hf-178g
72-Hf-178m5

142

Incident Energy (MeV)

73-Ta-179

Radionuclide Production Cross Section

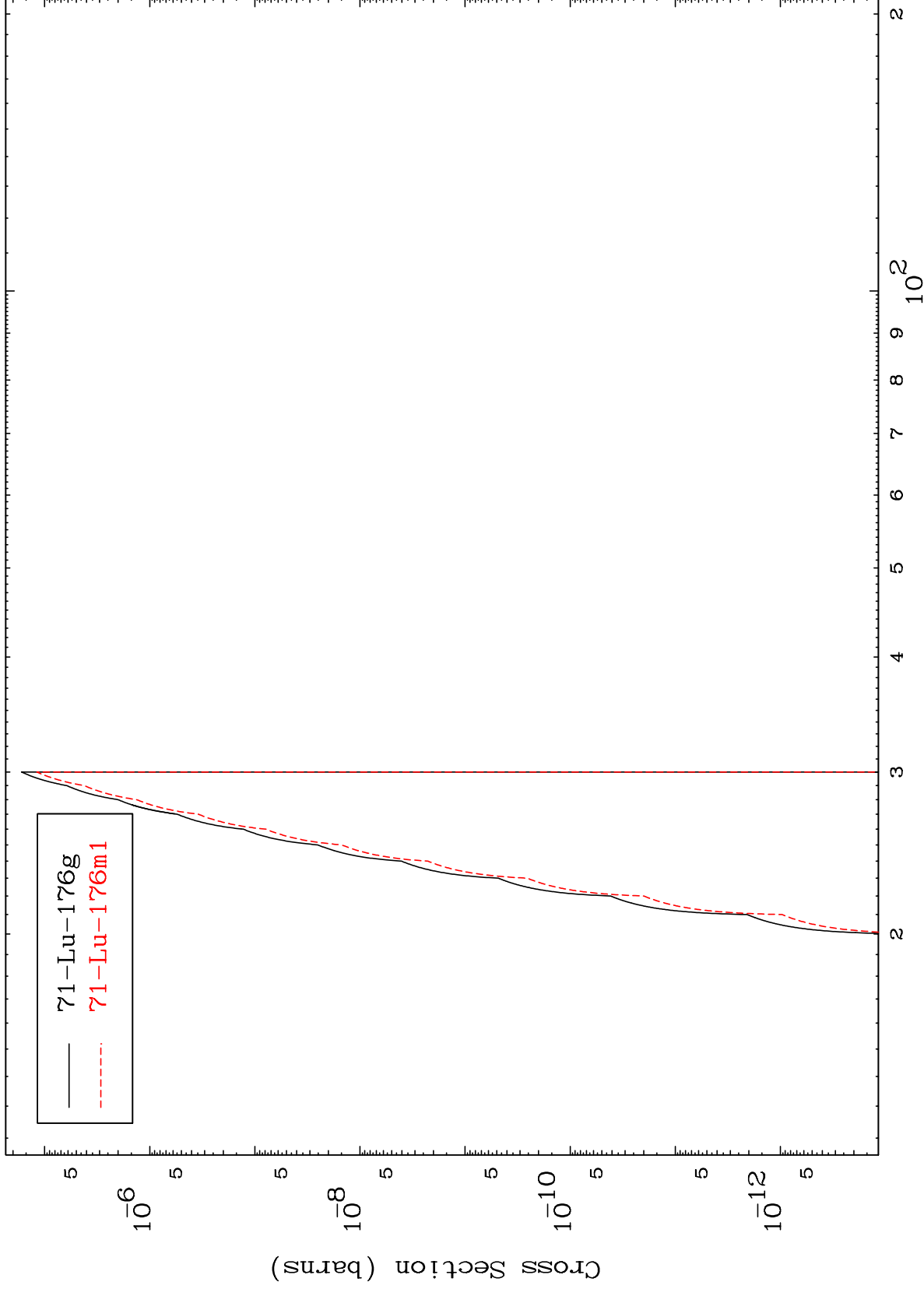


MAT 7322

(n,n') He-3

73-Ta-179

Radionuclide Production Cross Section



144

Incident Energy (MeV)

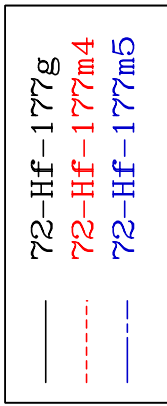
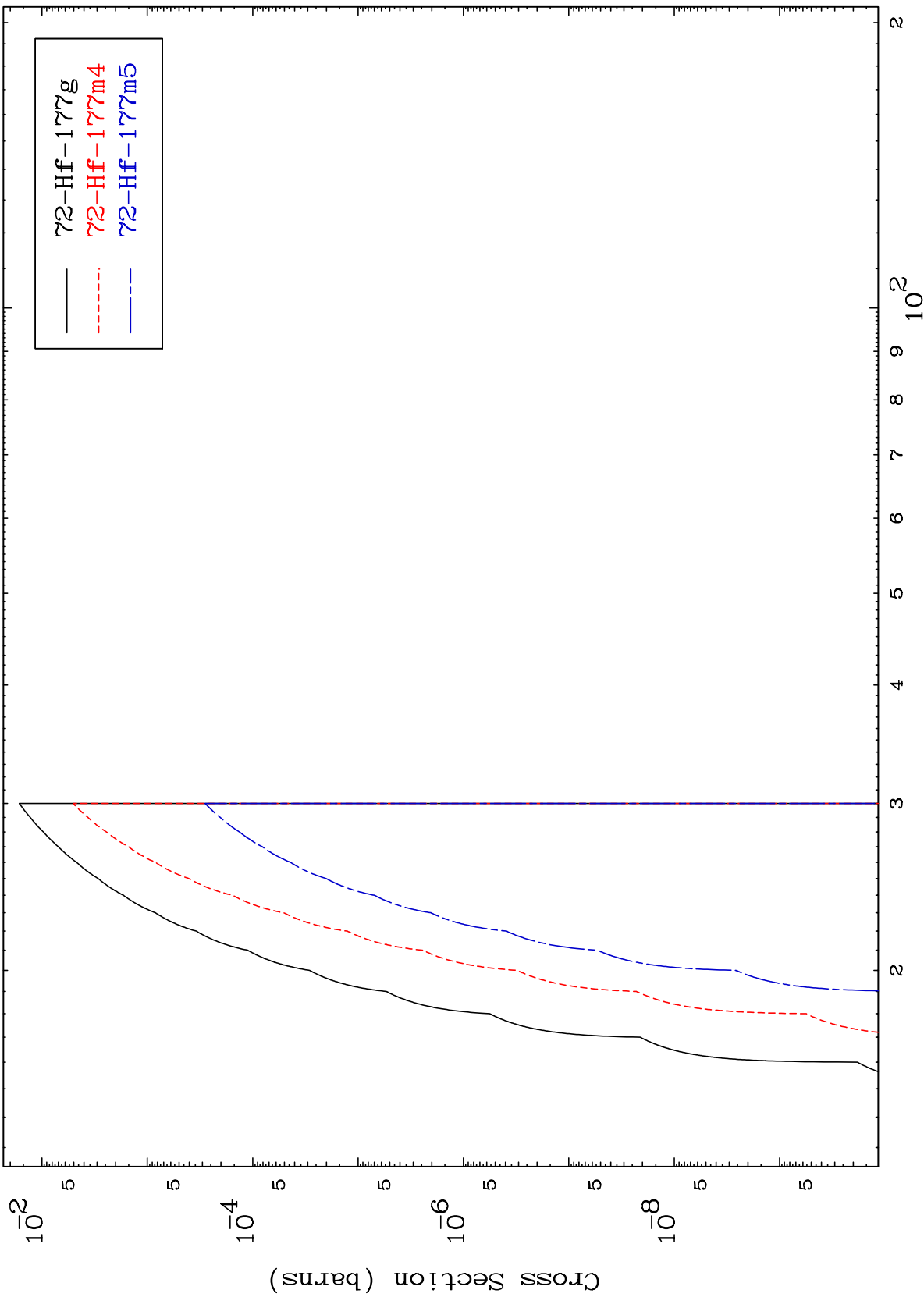
73-Ta-179

MAT 7322

(n,2n) p

73-Ta-179

Radionuclide Production Cross Section



145

Incident Energy (MeV)

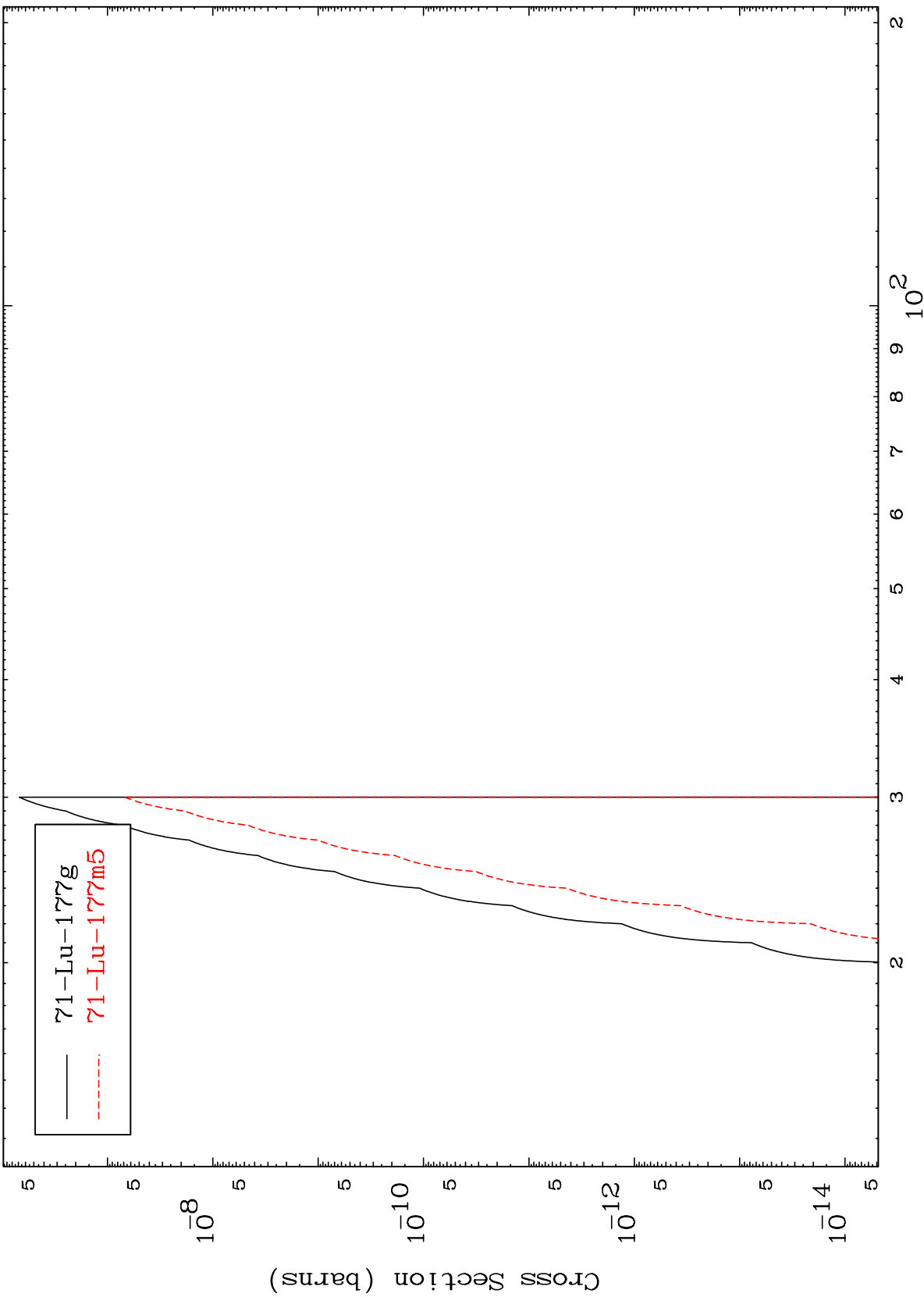
73-Ta-179

MAT 7322

(n,2n) p

73-Ta-179

Radionuclide Production Cross Section



71-Lu-177g
71-Lu-177m5

146

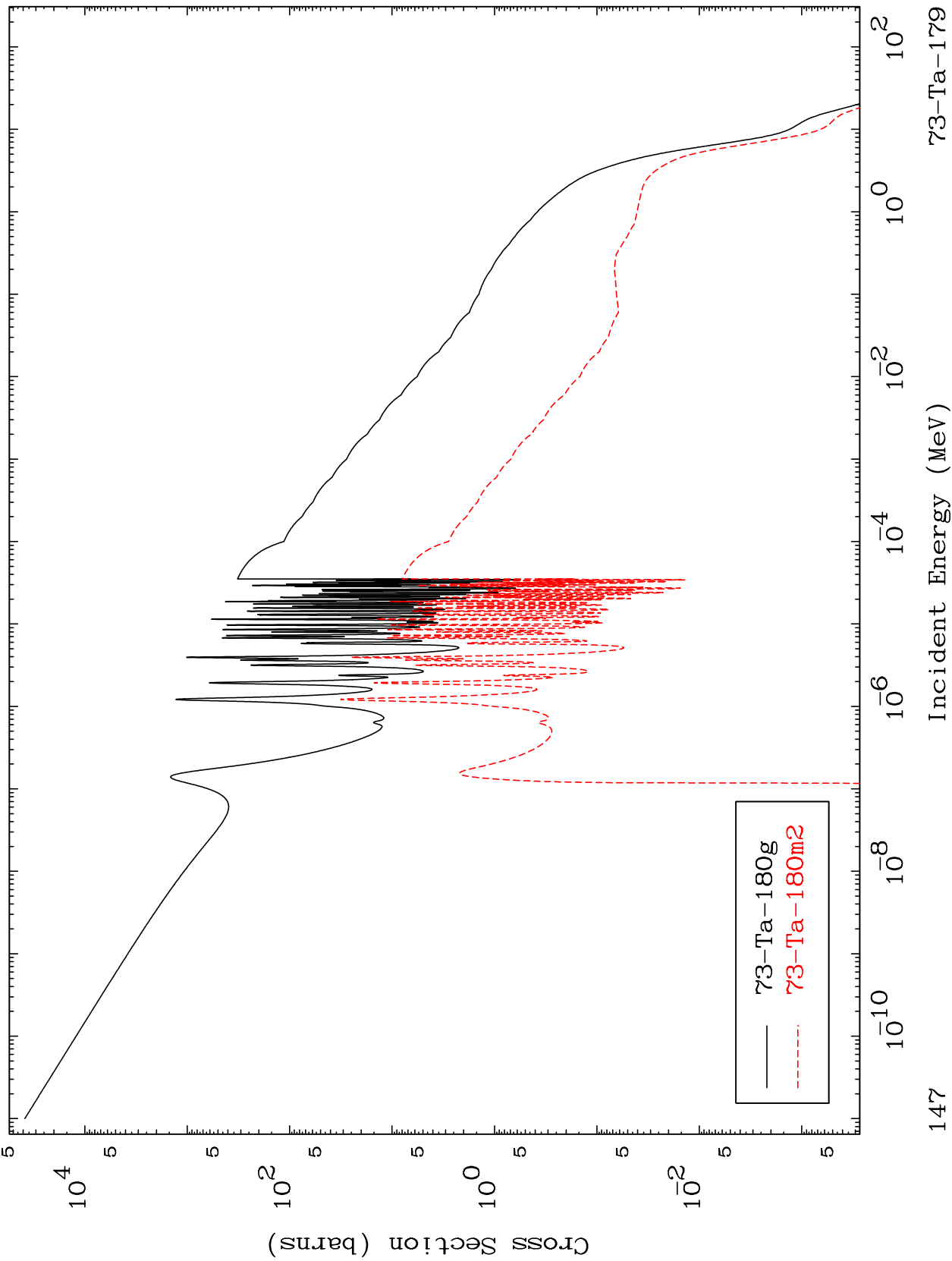
Incident Energy (MeV)

73-Ta-179

MAT 7322

⁷³Ta-179

Radionuclide Production Cross Section

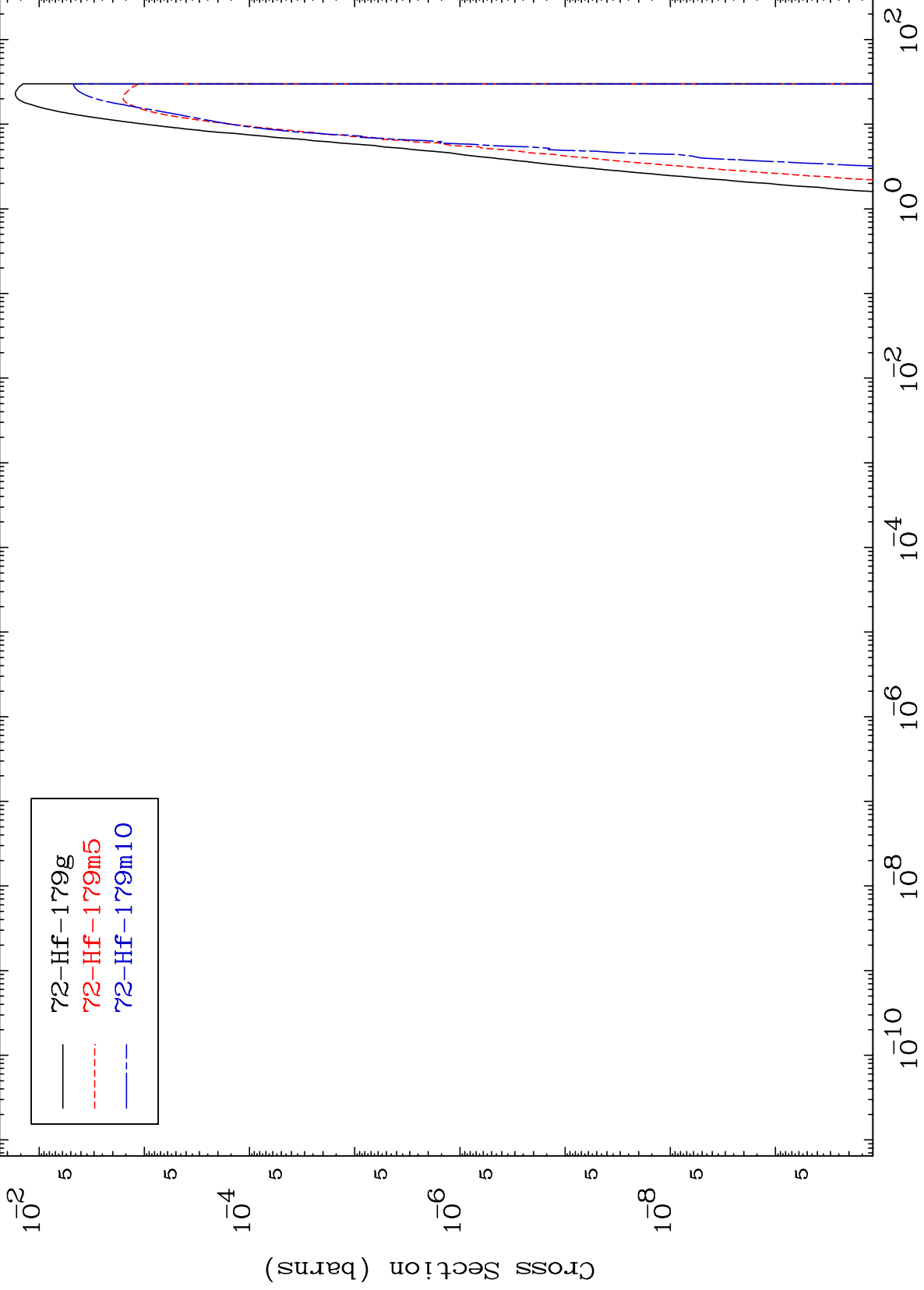


MAT 7322

(n,p)

⁷³Ta-179

Radionuclide Production Cross Section



148

Incident Energy (MeV)

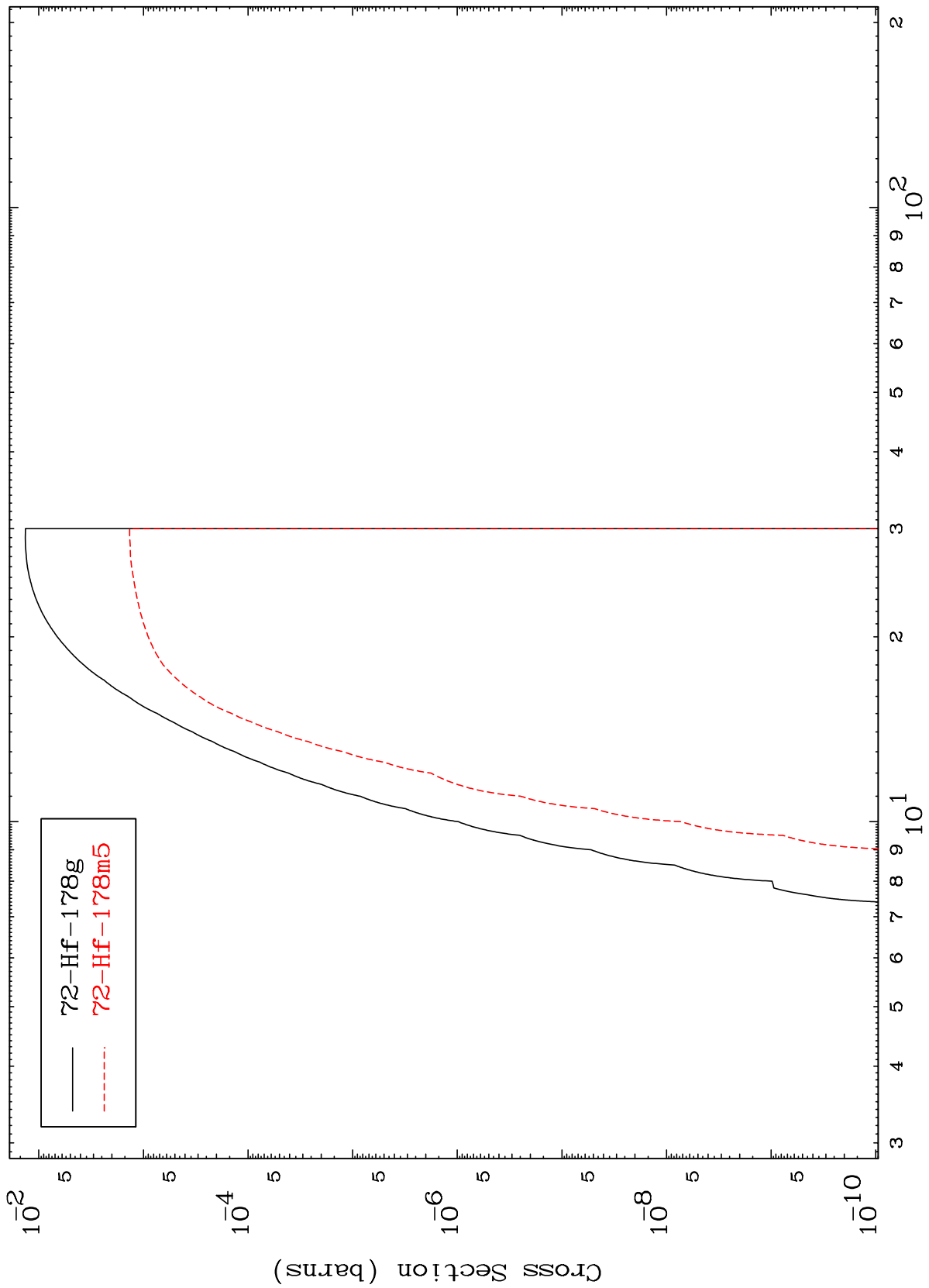
⁷³Ta-179

MAT 7322

(n, d)

⁷³Ta-179

Radionuclide Production Cross Section



— ⁷²Hf-178g
- - - ⁷²Hf-178m5

149

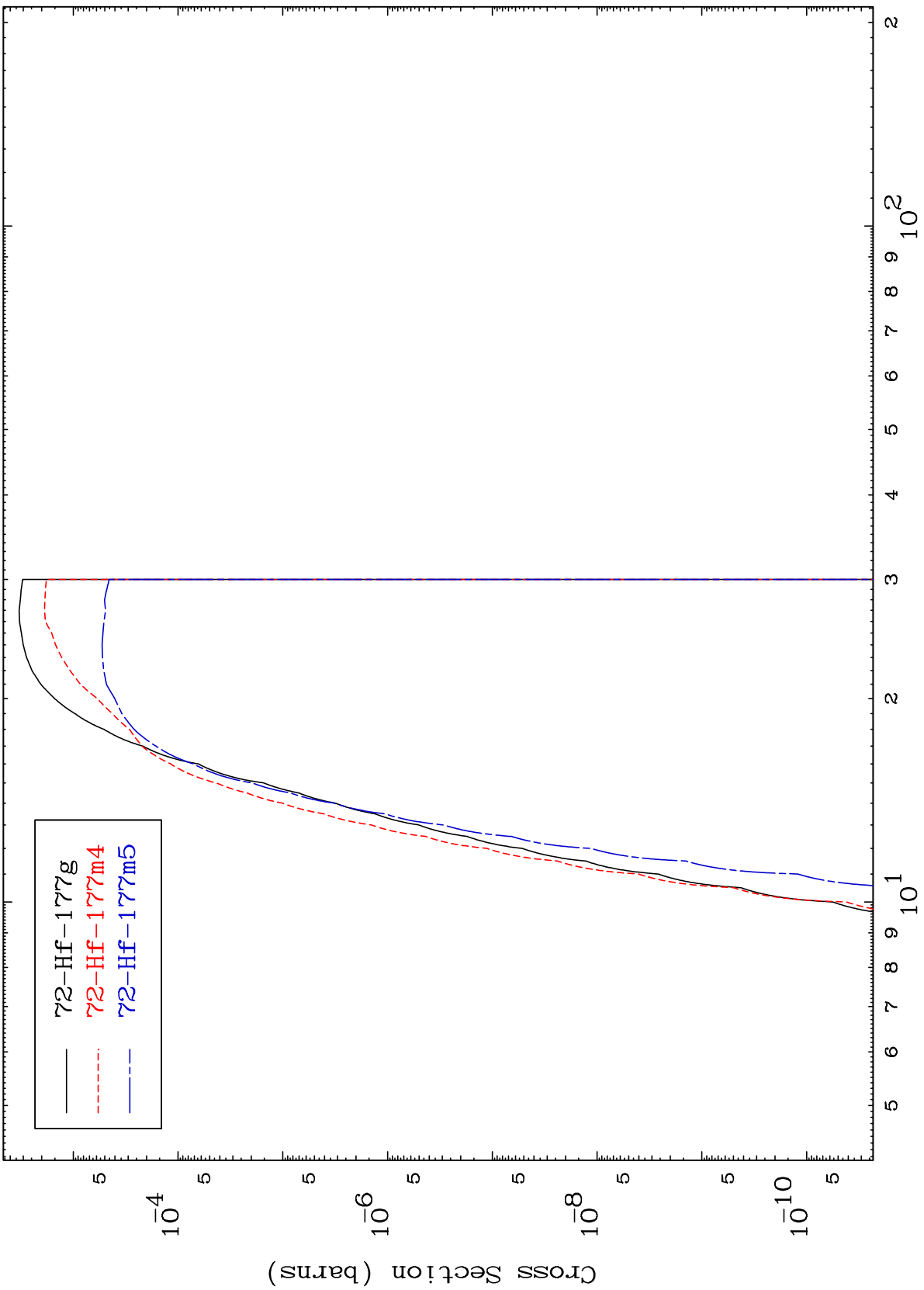
Incident Energy (MeV)

⁷³Ta-179

MAT 7322

73-Ta-179

Radionuclide Production Cross Section (n,t)



150

Incident Energy (MeV)

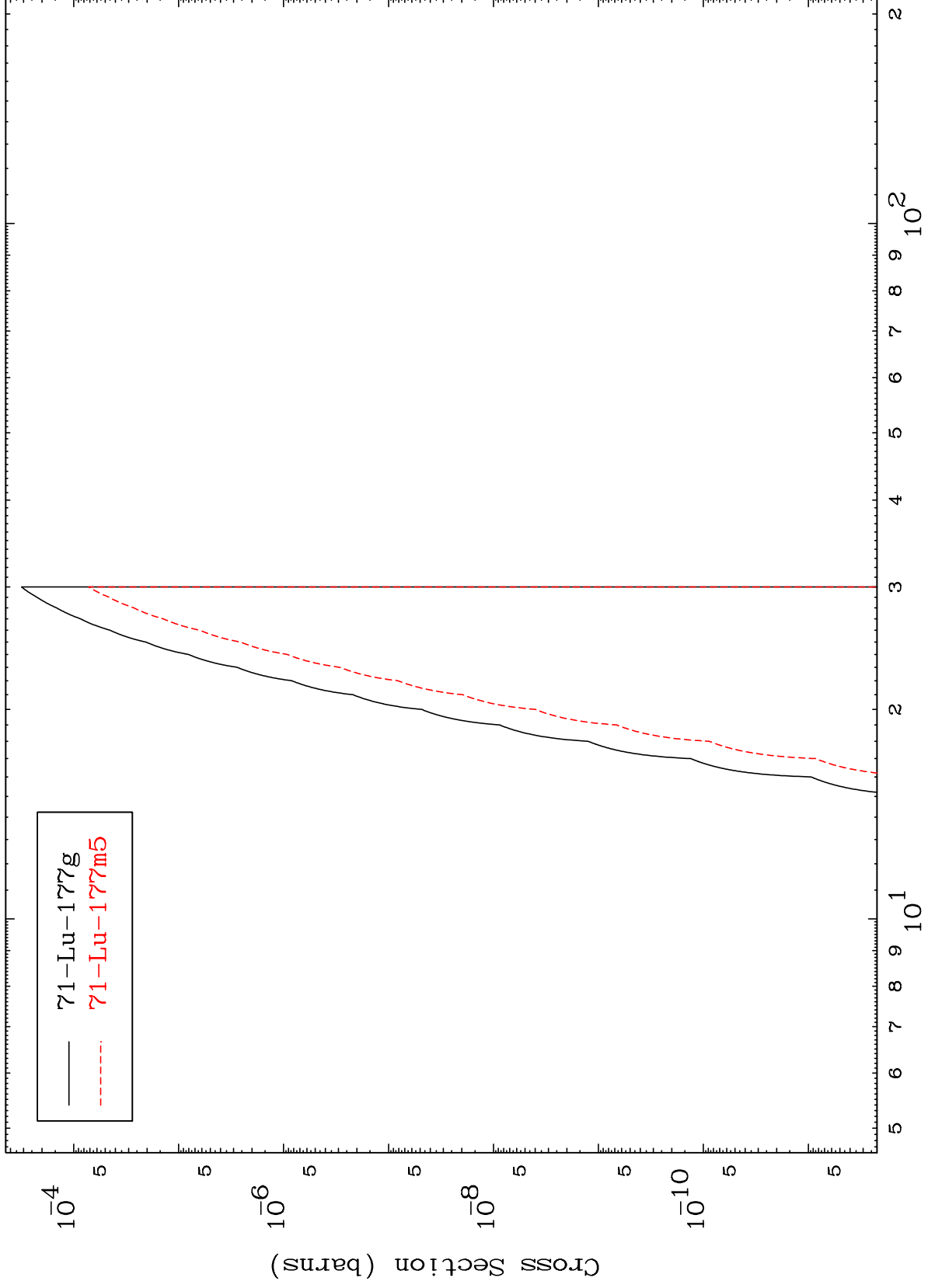
73-Ta-179

MAT 7322

(n,He-3)

73-Ta-179

Radionuclide Production Cross Section



151

Incident Energy (MeV)

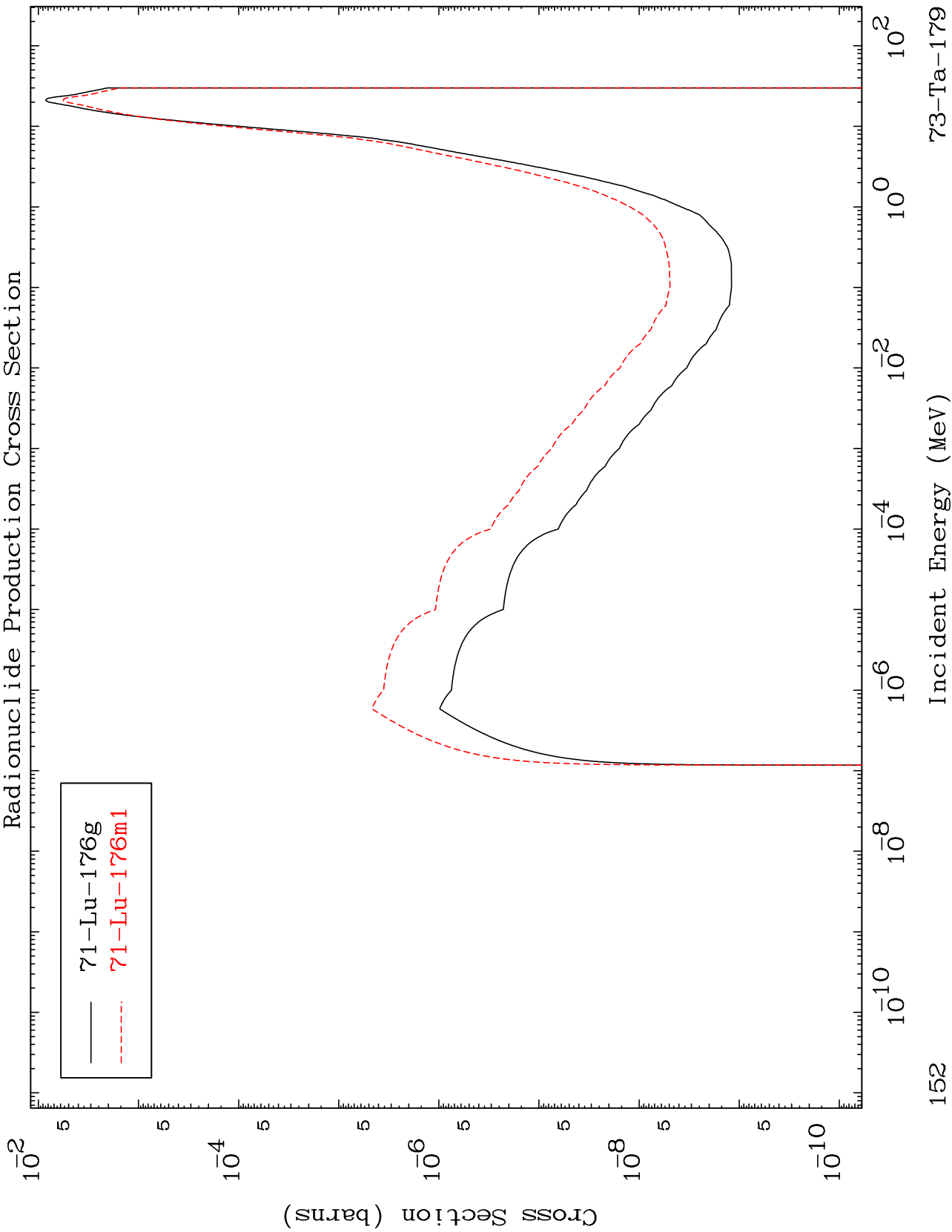
73-Ta-179

MAT 7322

(n, α)

⁷³Ta-179

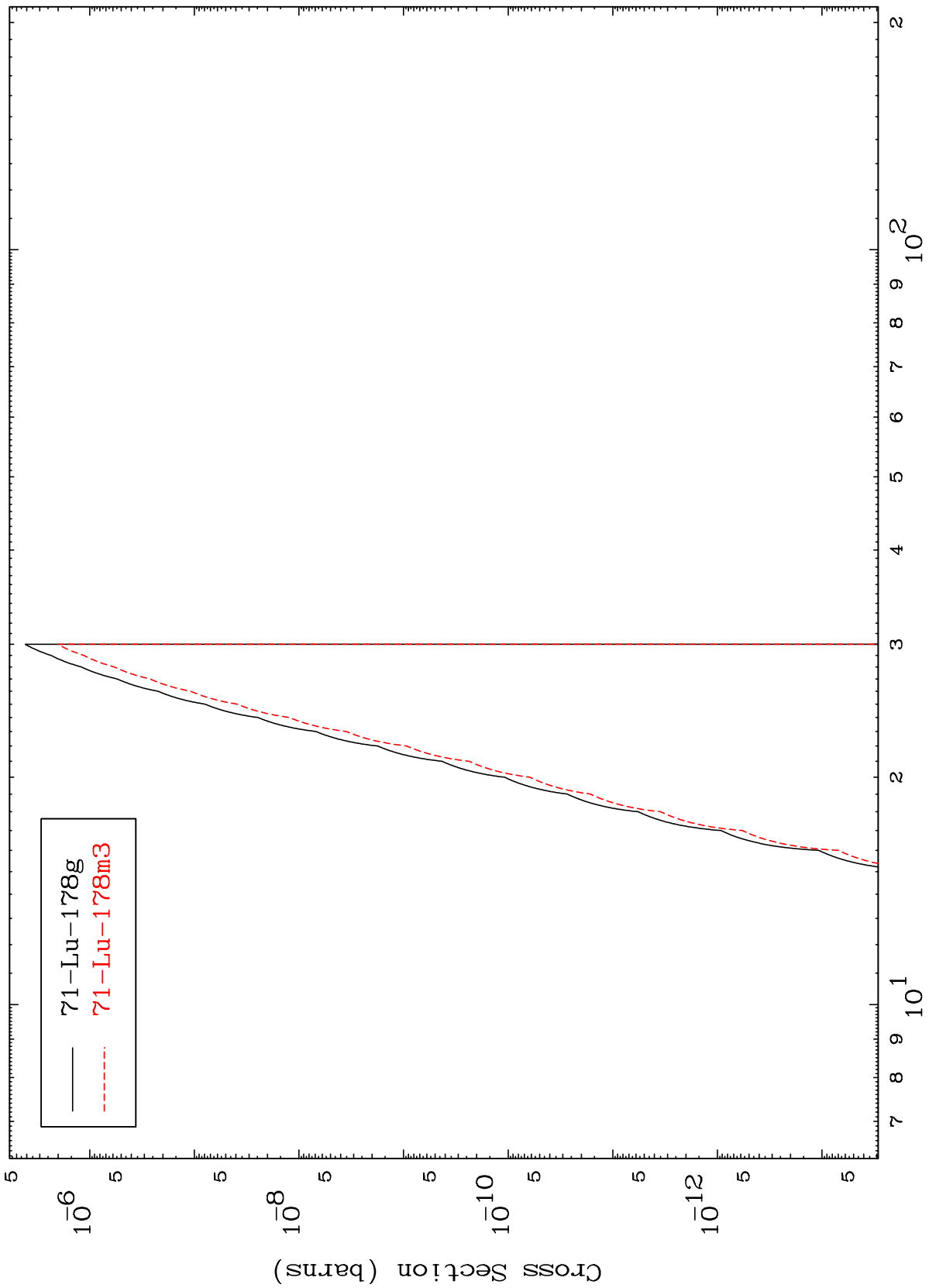
Radionuclide Production Cross Section



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73-Ta-179

(n,2p)
Radionuclide Production Cross Section



71-Lu-178g
71-Lu-178m3

73-Ta-179

Incident Energy (MeV)

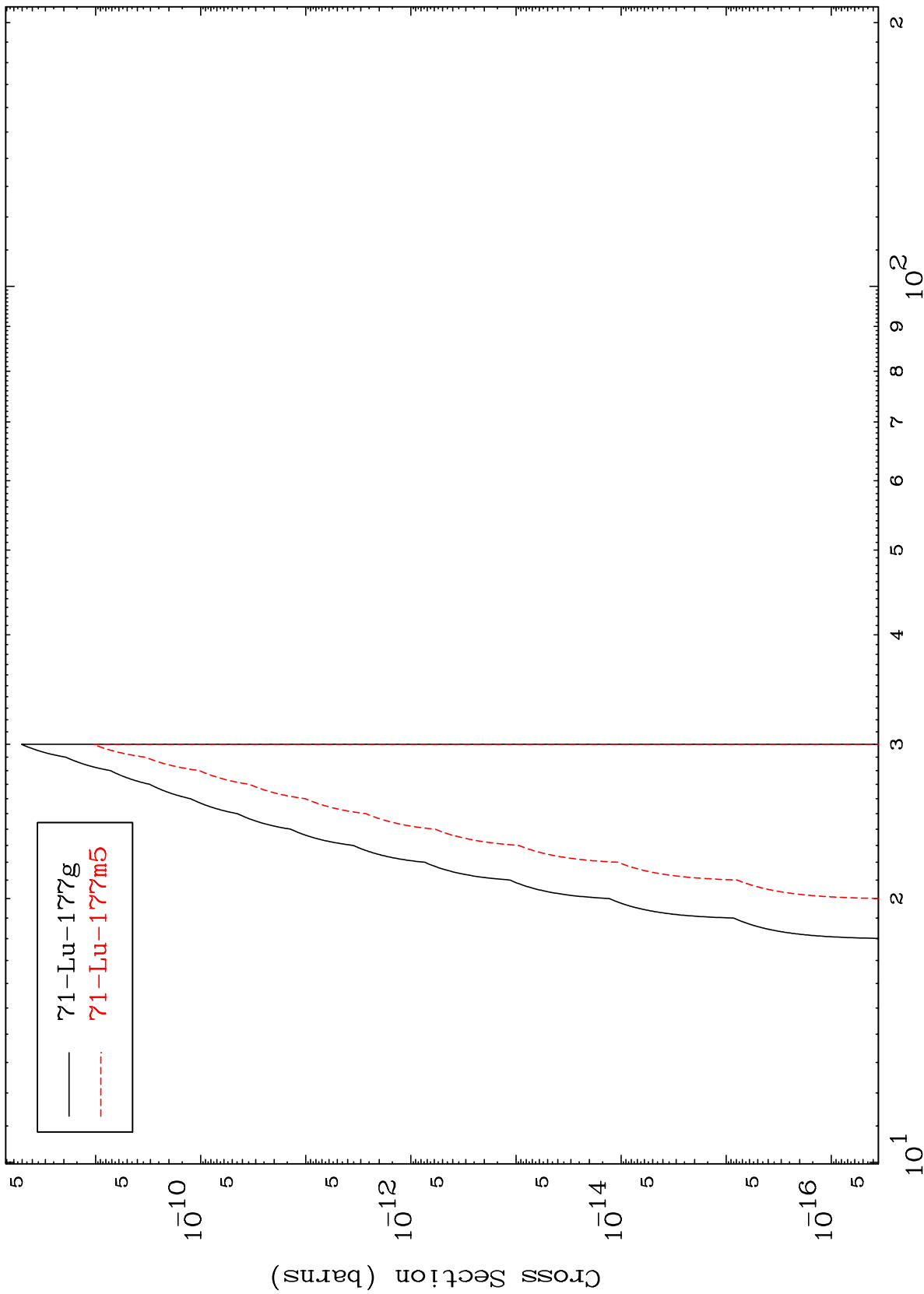
153

MAT 7322

(n,p) d

⁷³Ta-179

Radionuclide Production Cross Section



154

Incident Energy (MeV)

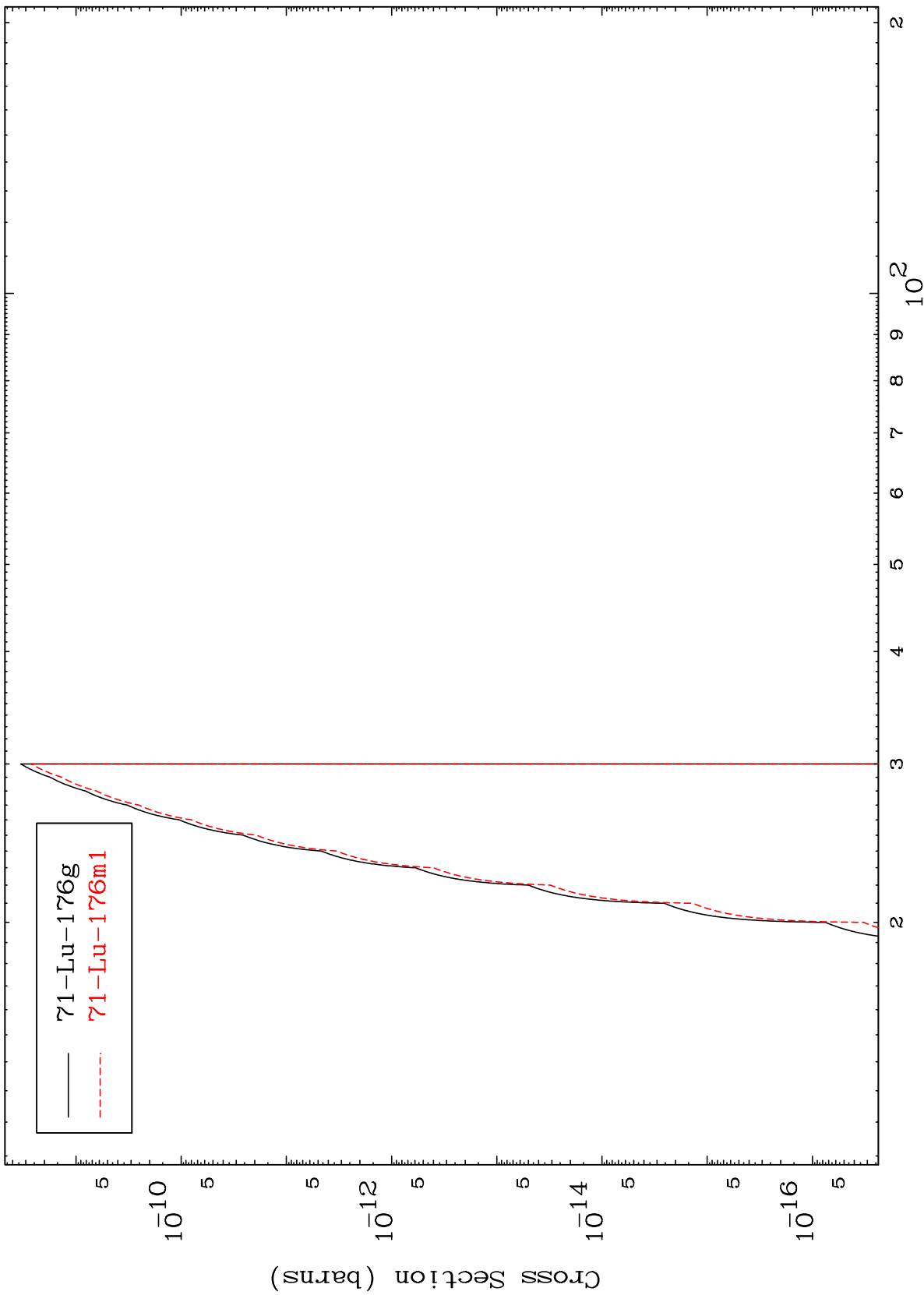
⁷³Ta-179

MAT 7322

(n,p) t

⁷³Ta-179

Radionuclide Production Cross Section



155

Incident Energy (MeV)

⁷³Ta-179