

Program EVALPLOT
(Version 2015-2)

by

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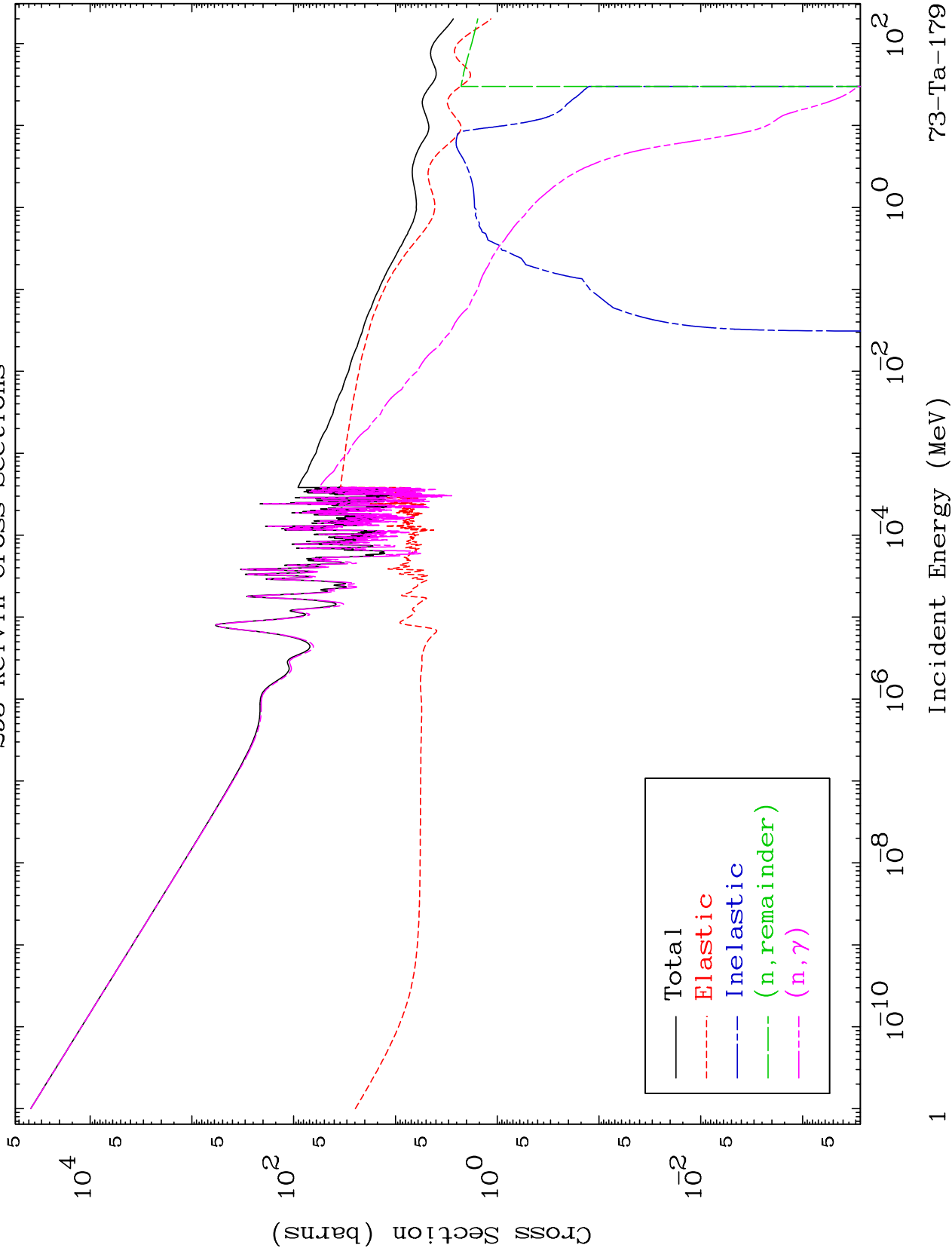
Press Mouse Button to Start

MAT 7322

Major

293 Kelvin Cross Sections

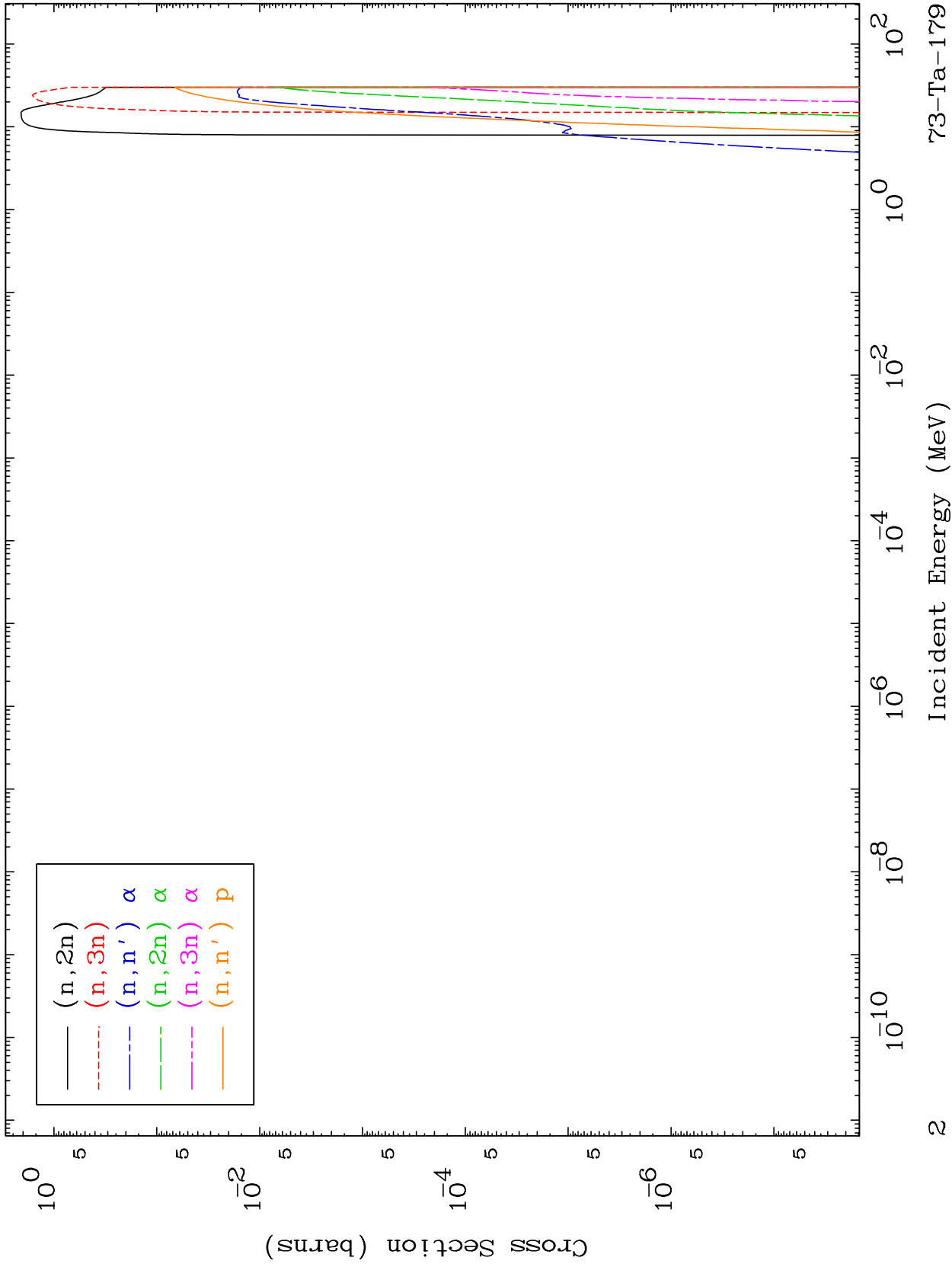
73-Ta-179

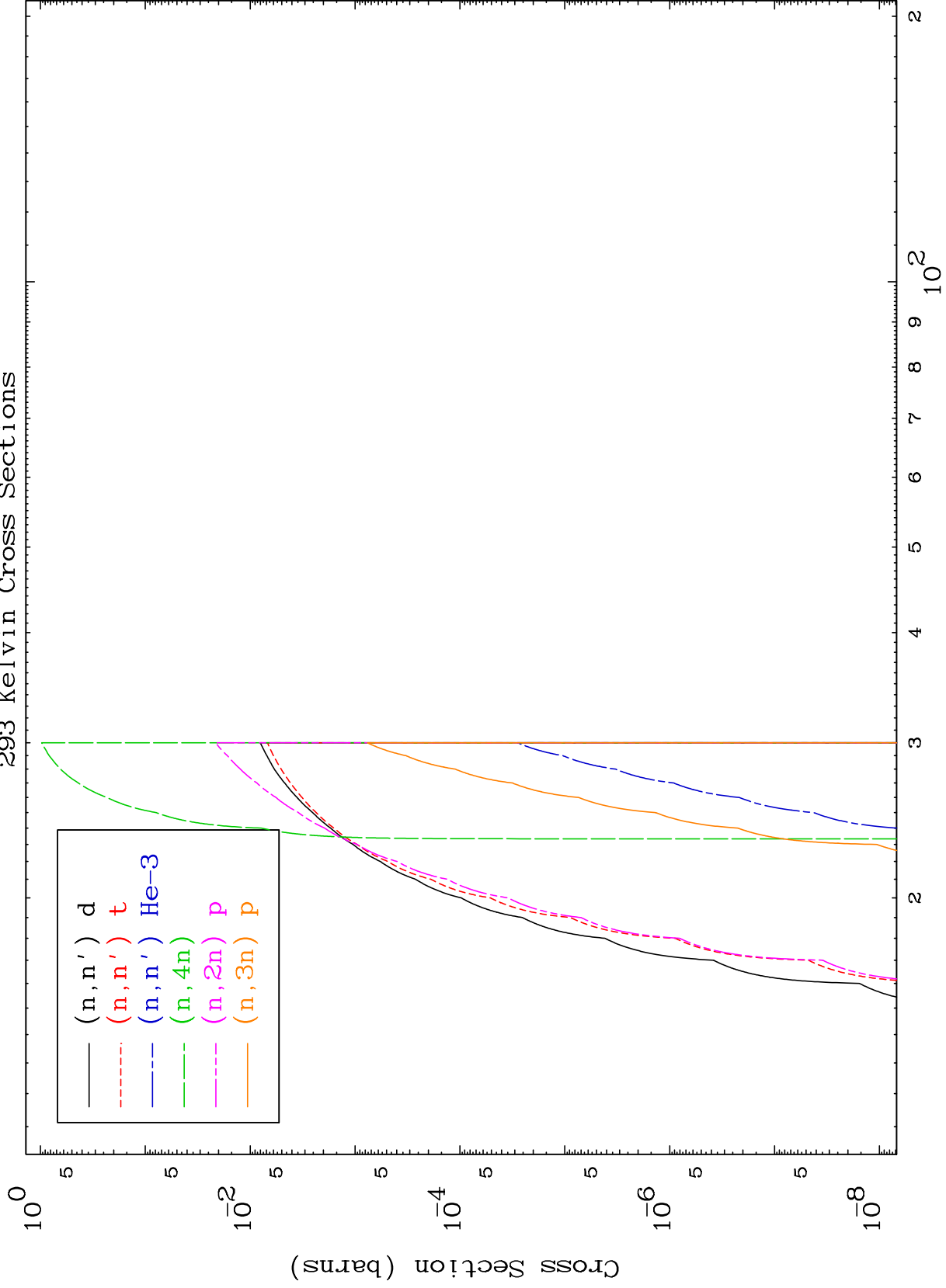


MAT 7322

Neutron Production
293 Kelvin Cross Sections

73-Ta-179

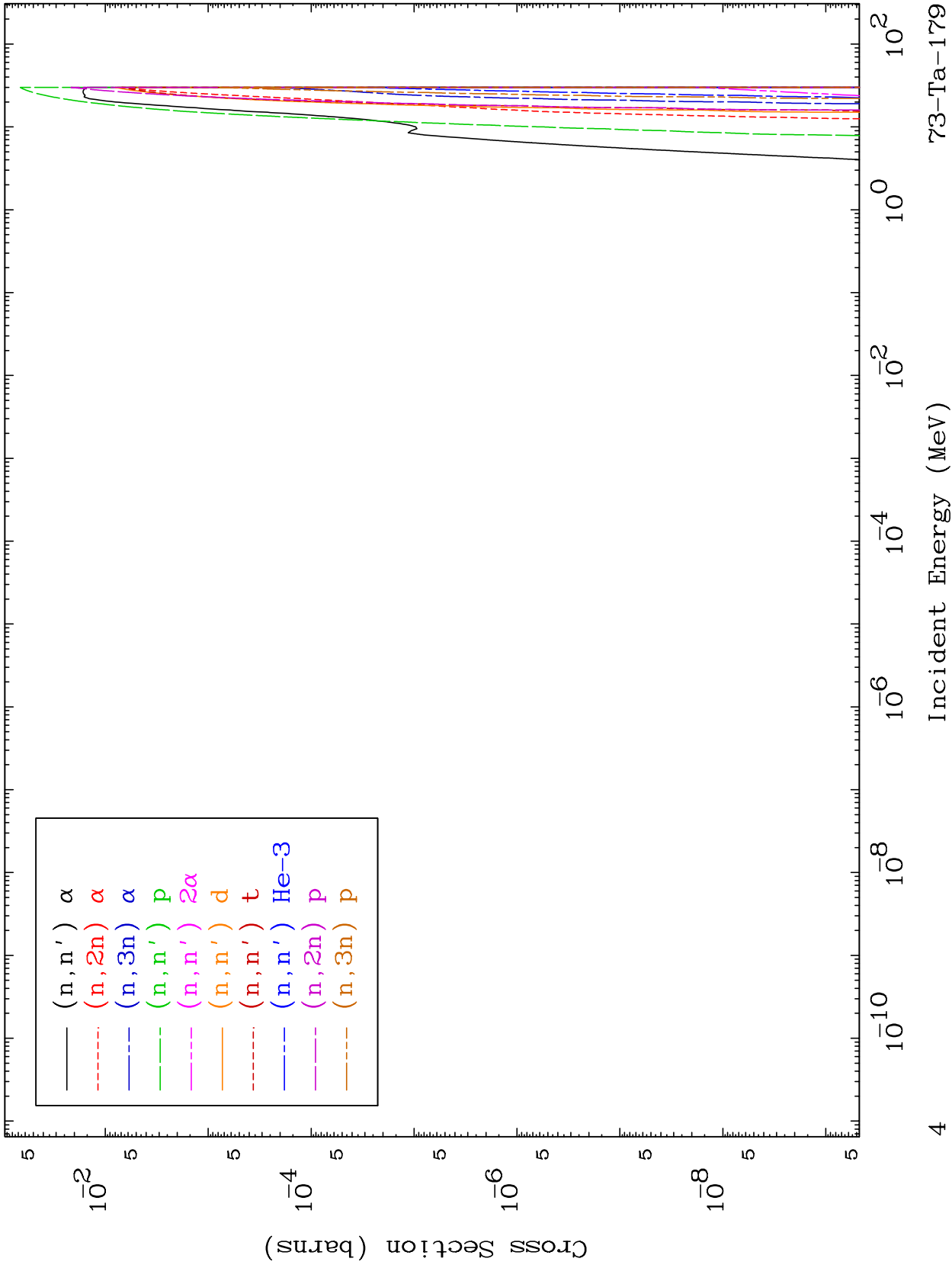




MAT 7322

Charged Particle
293 Kelvin Cross Sections

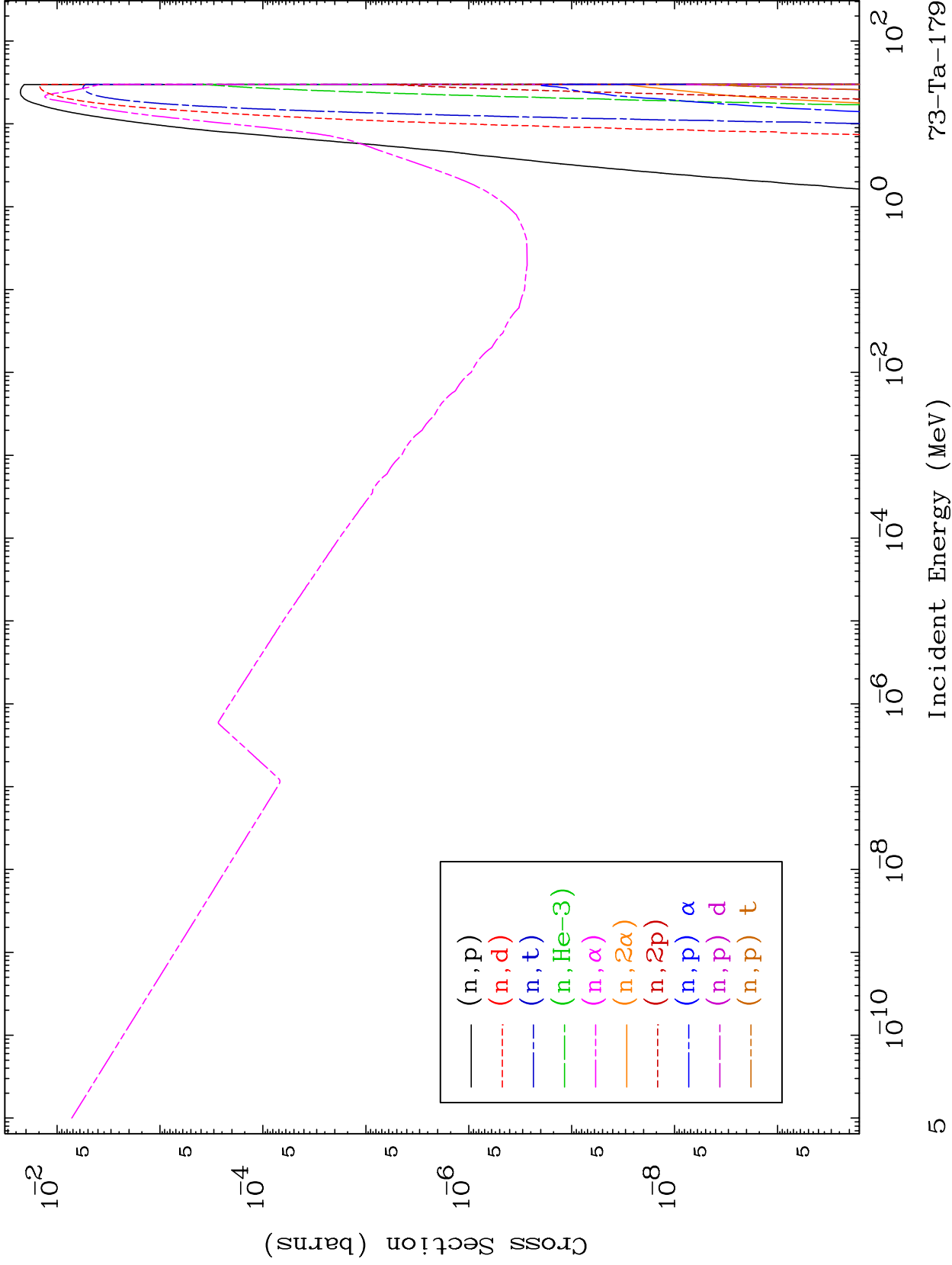
73-Ta-179

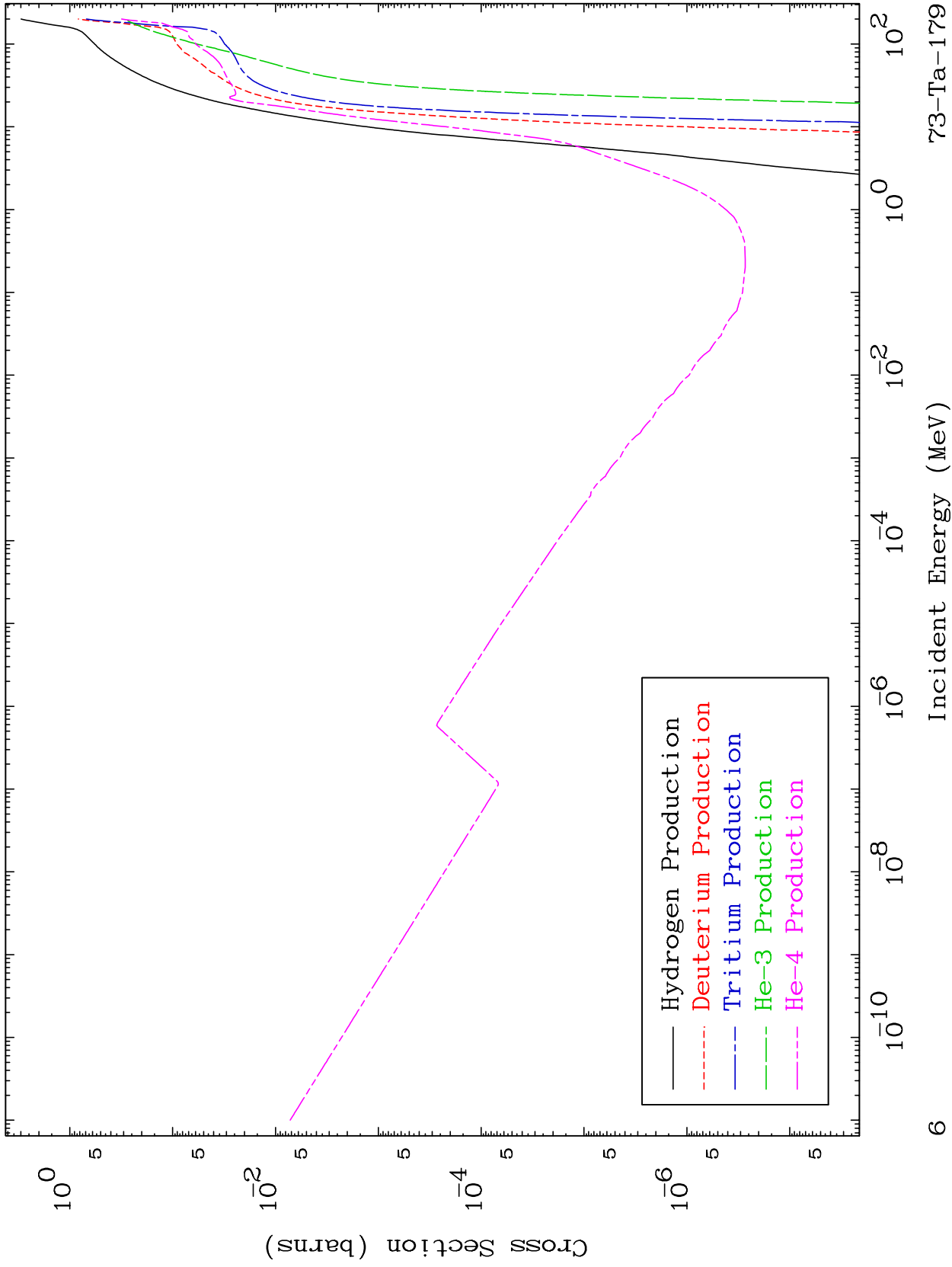


MAT 7322

Charged Particle
293 Kelvin Cross Sections

73-Ta-179

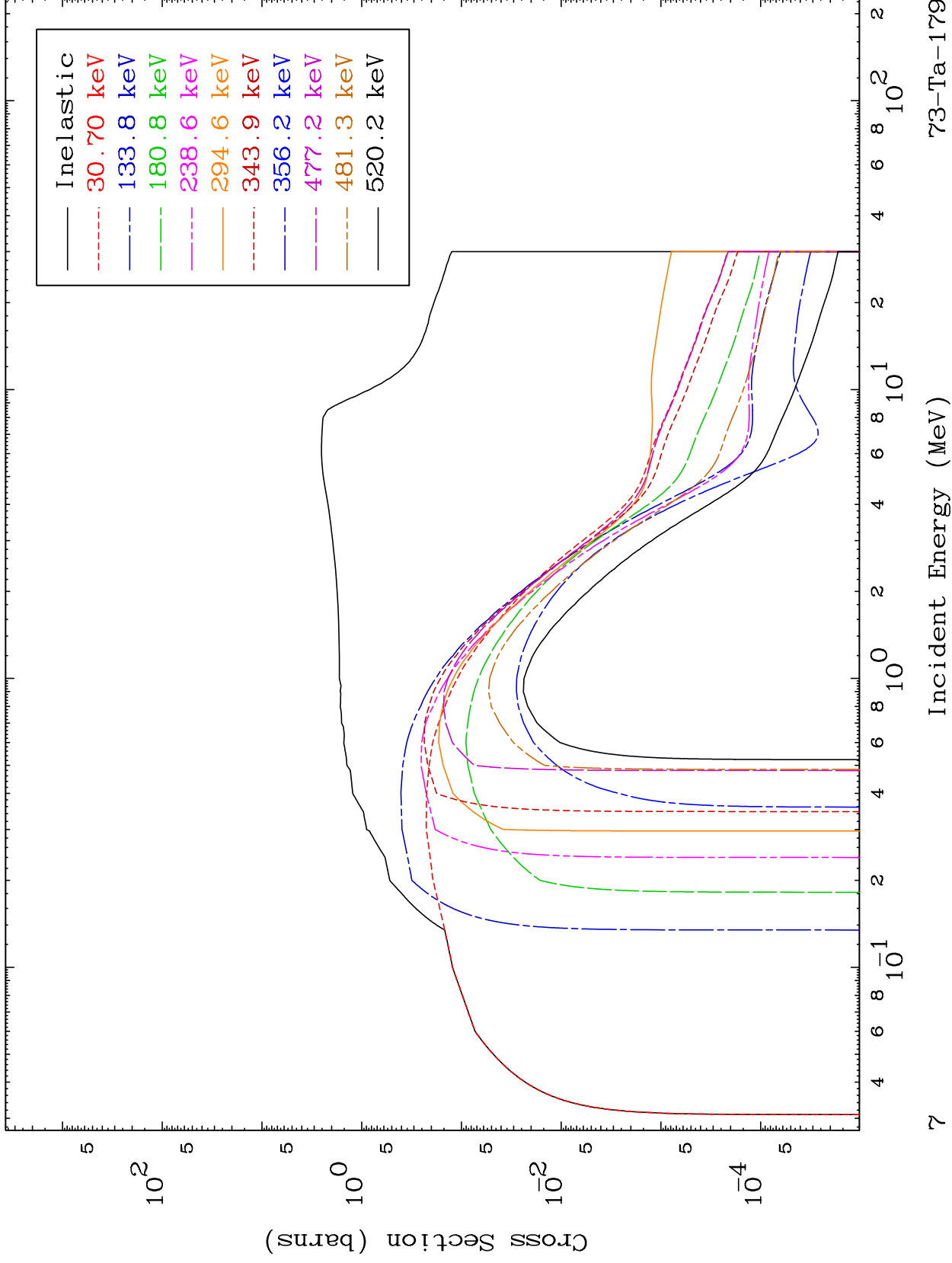


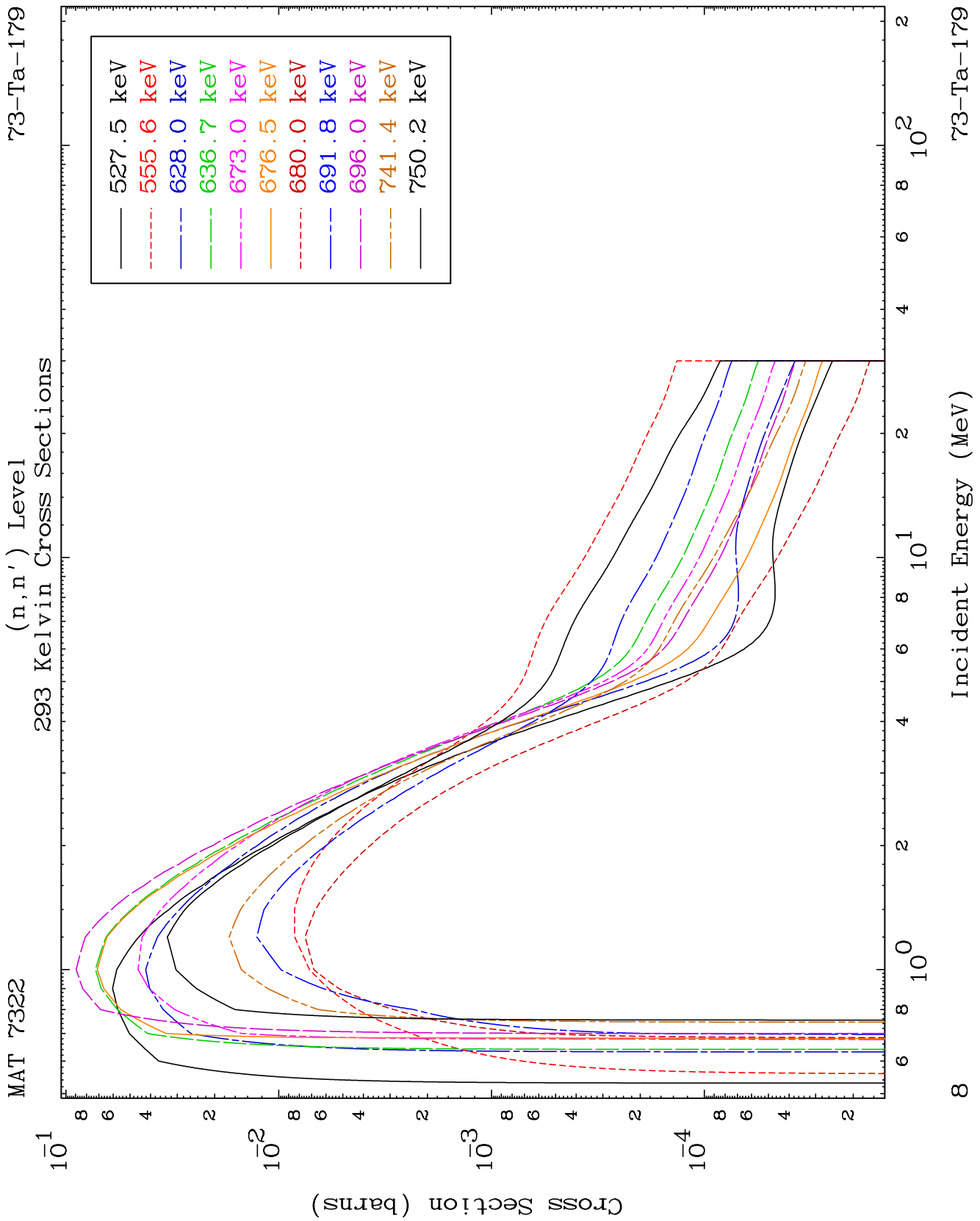


MAT 7322

(n,n') Level
293 Kelvin Cross Sections

73-Ta-179



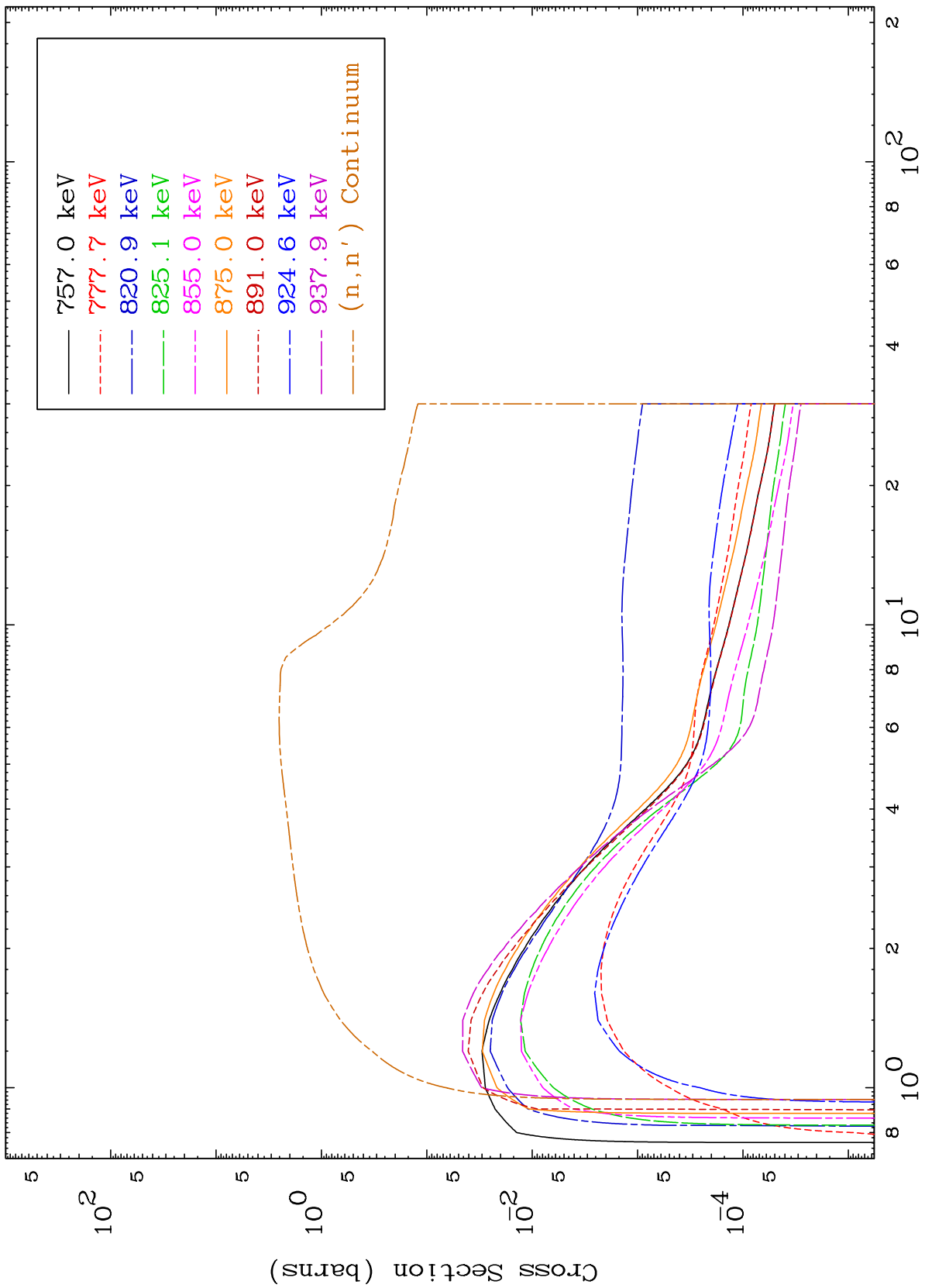


MAT 7322

(n,n') Level

73-Ta-179

293 Kelvin Cross Sections



9

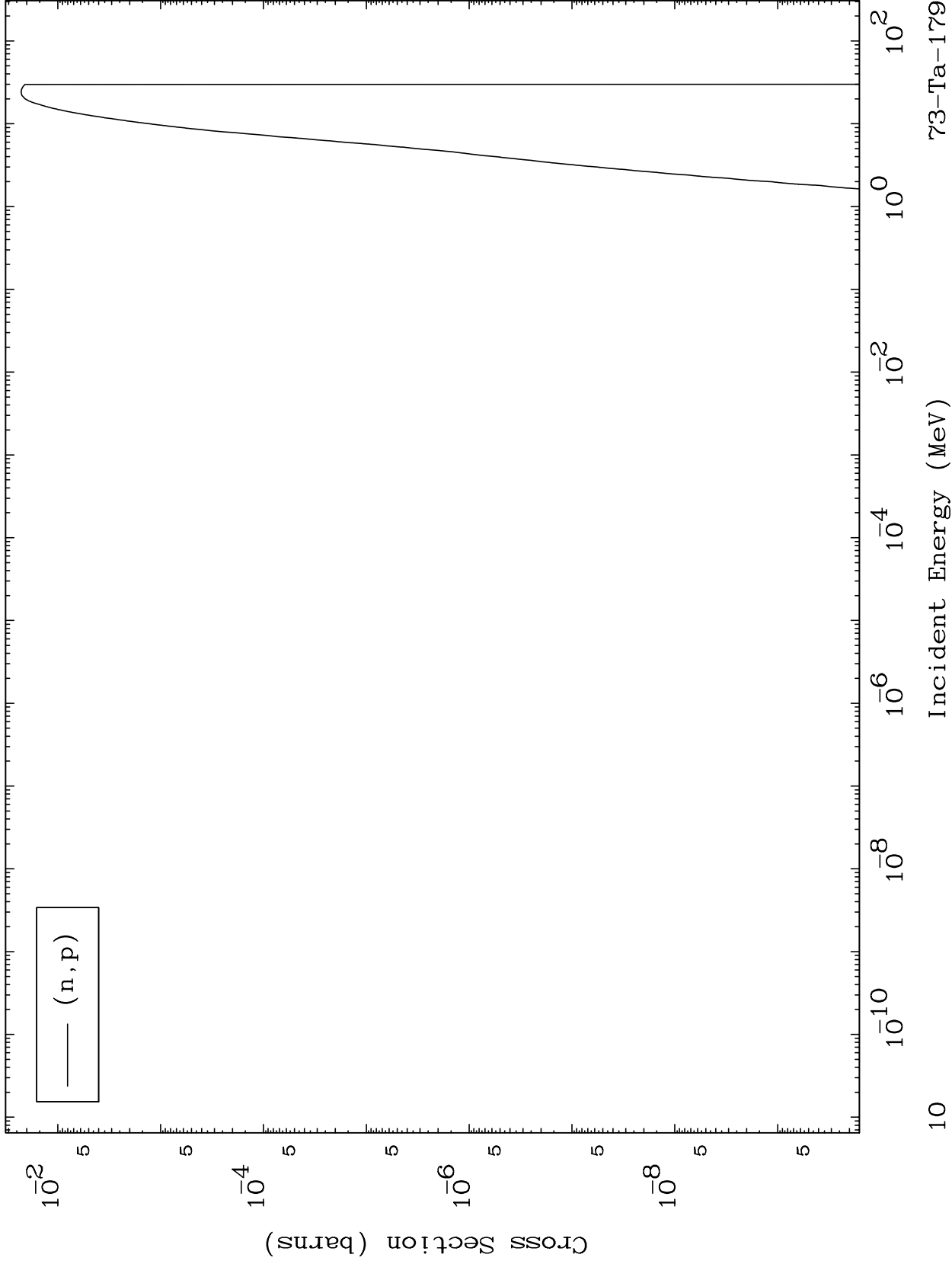
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-179



10

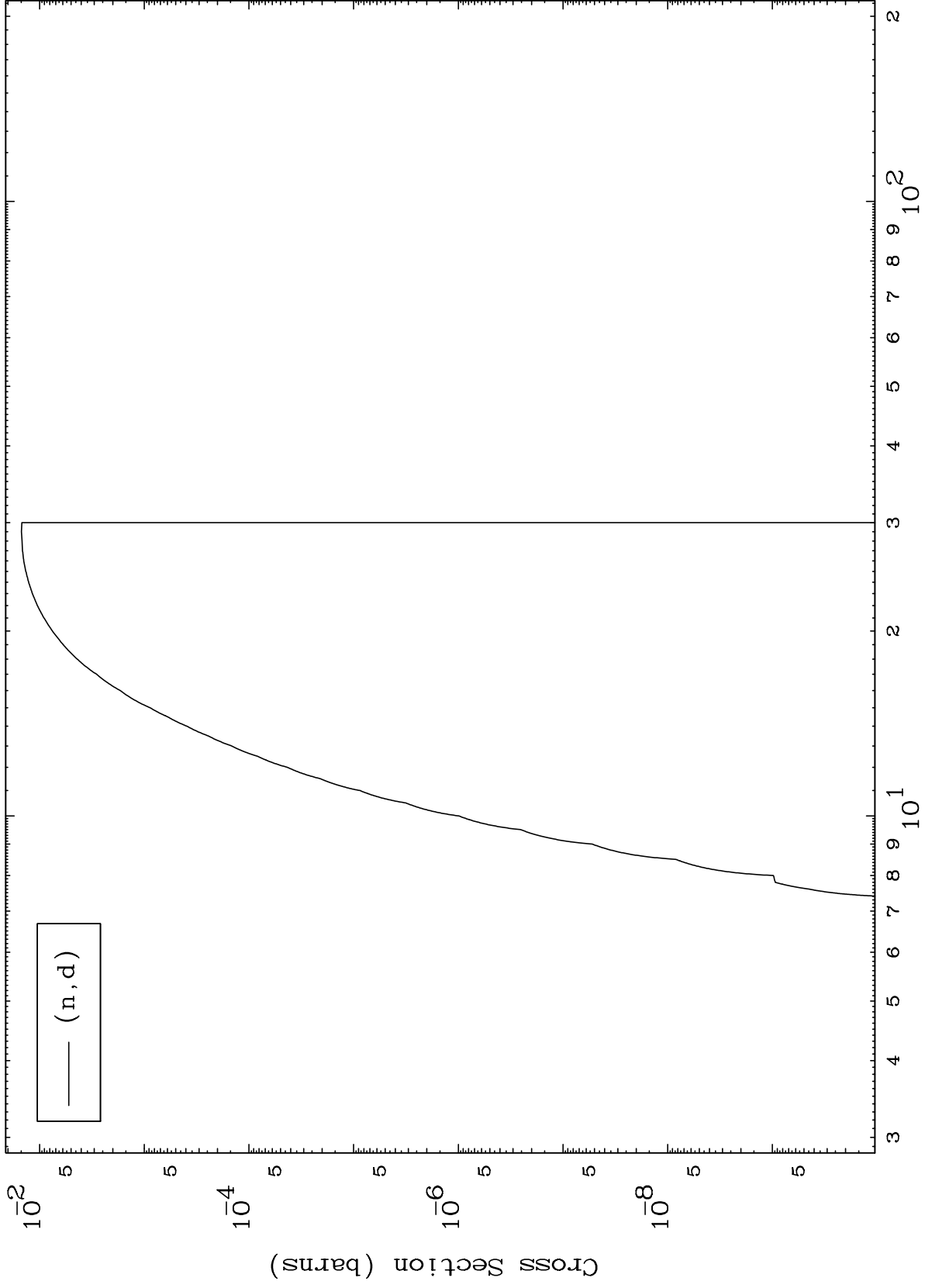
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-179



11

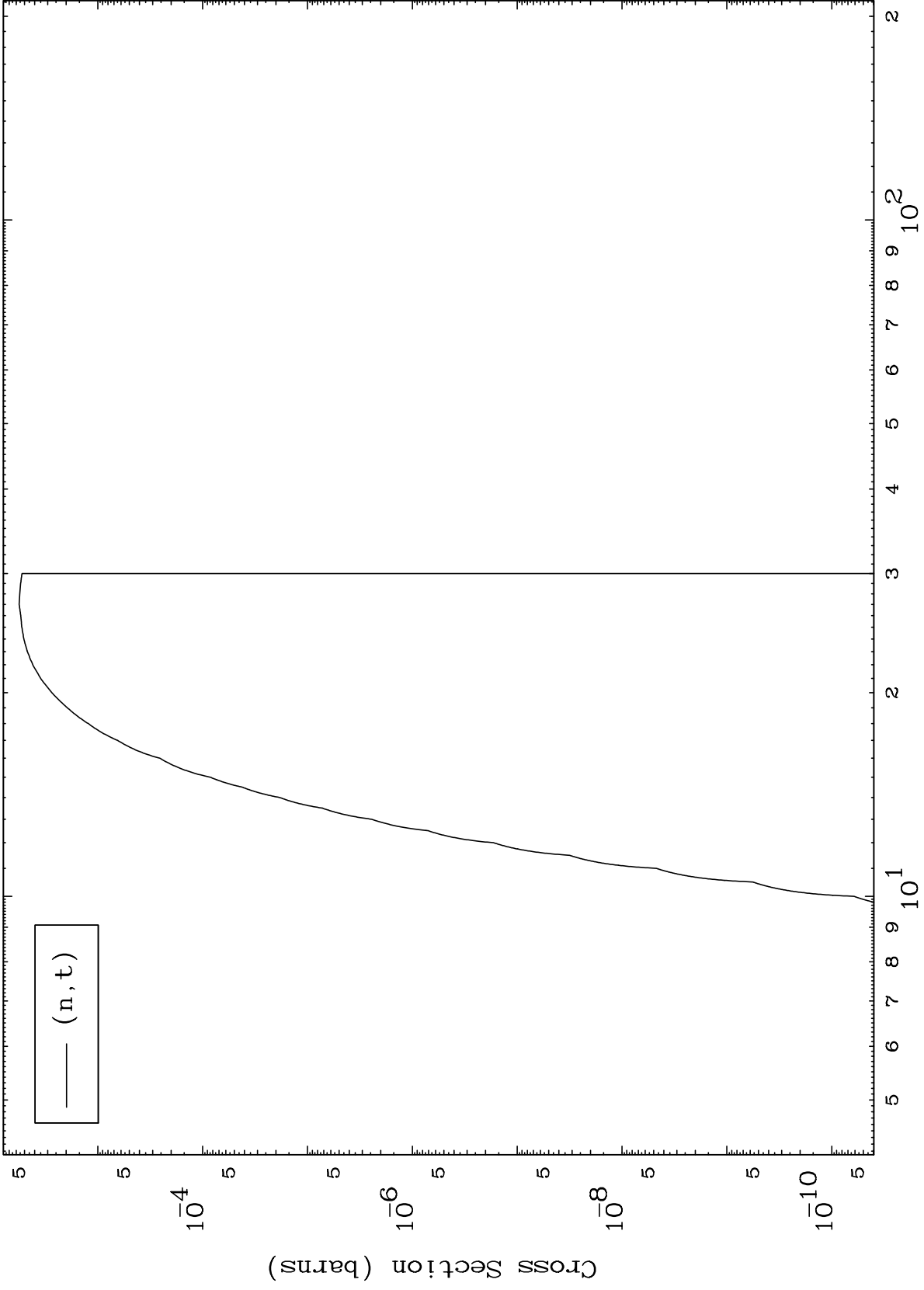
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-179



12

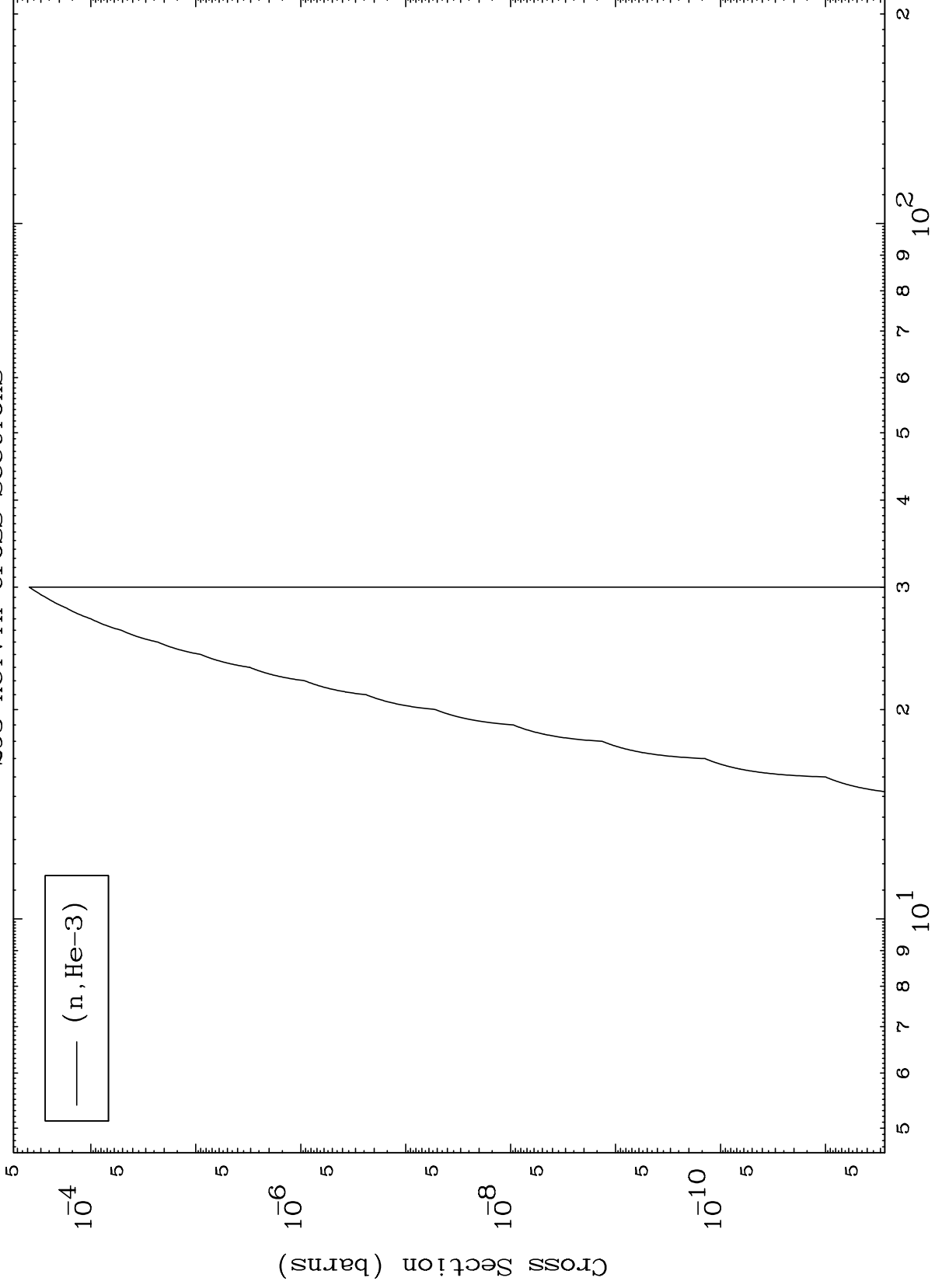
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-179



13

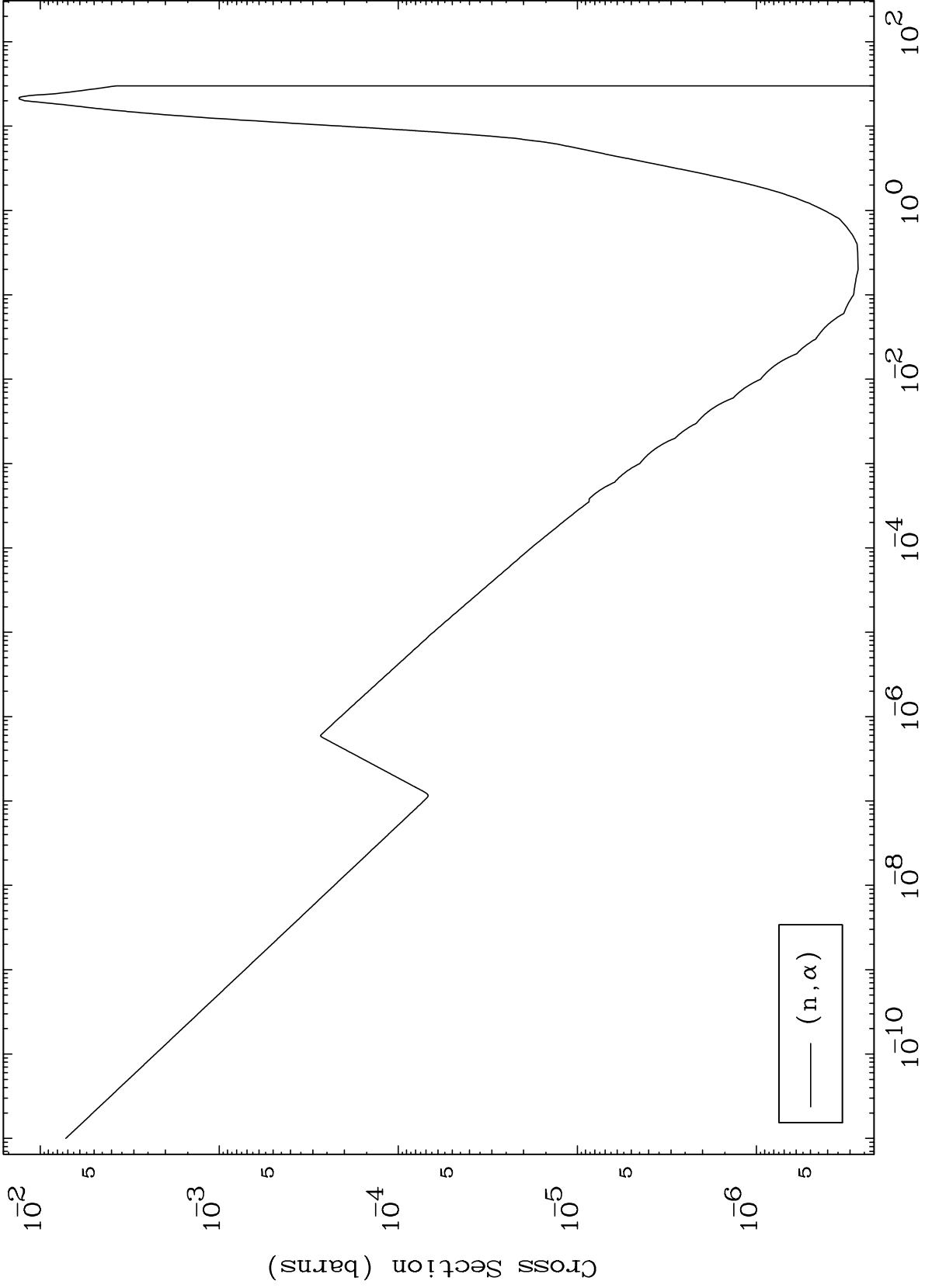
Incident Energy (MeV)

73-Ta-179

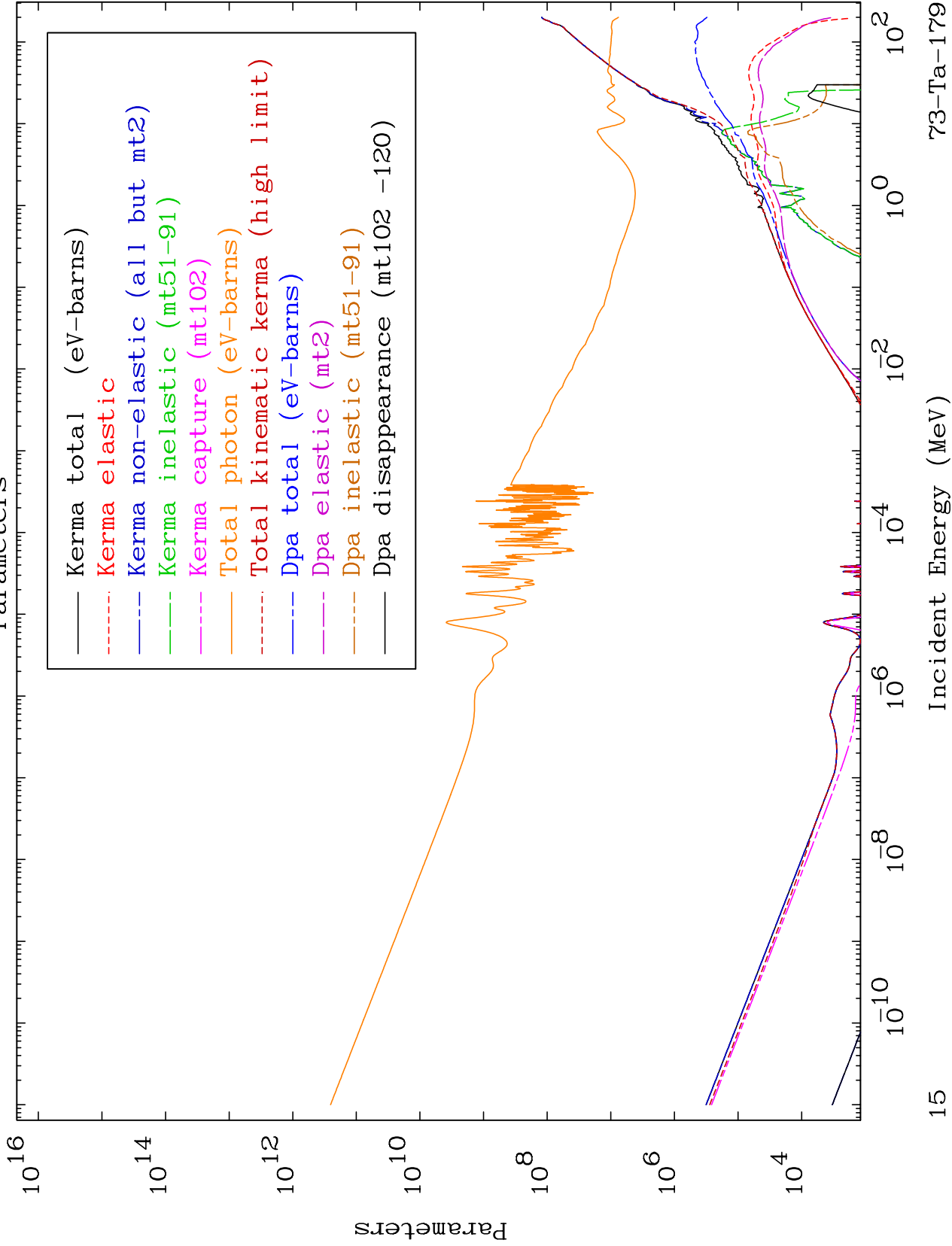
MAT 7322

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-179



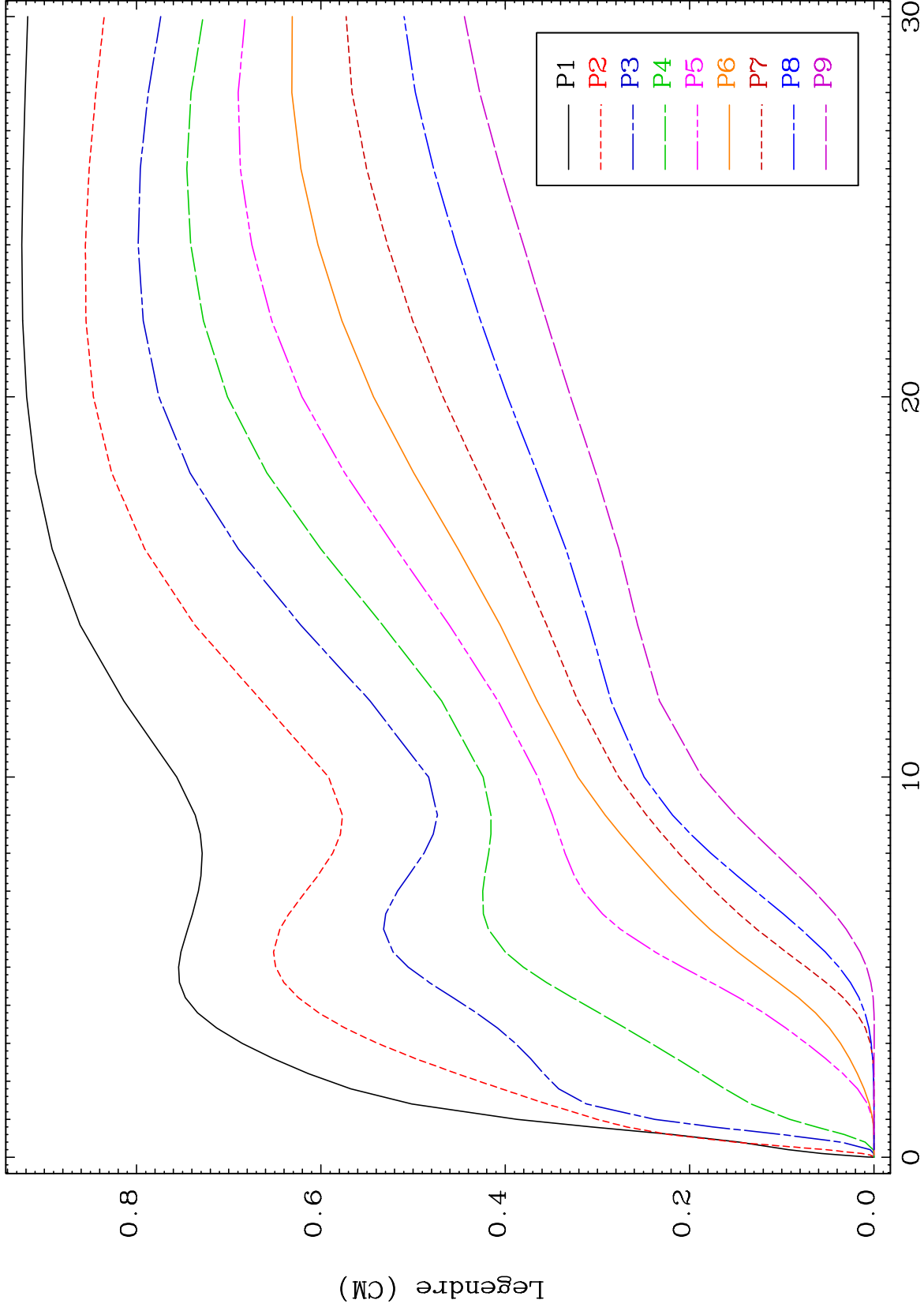
(n, α)



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Elastic Legendre Coefficients

⁷³Ta-179



16

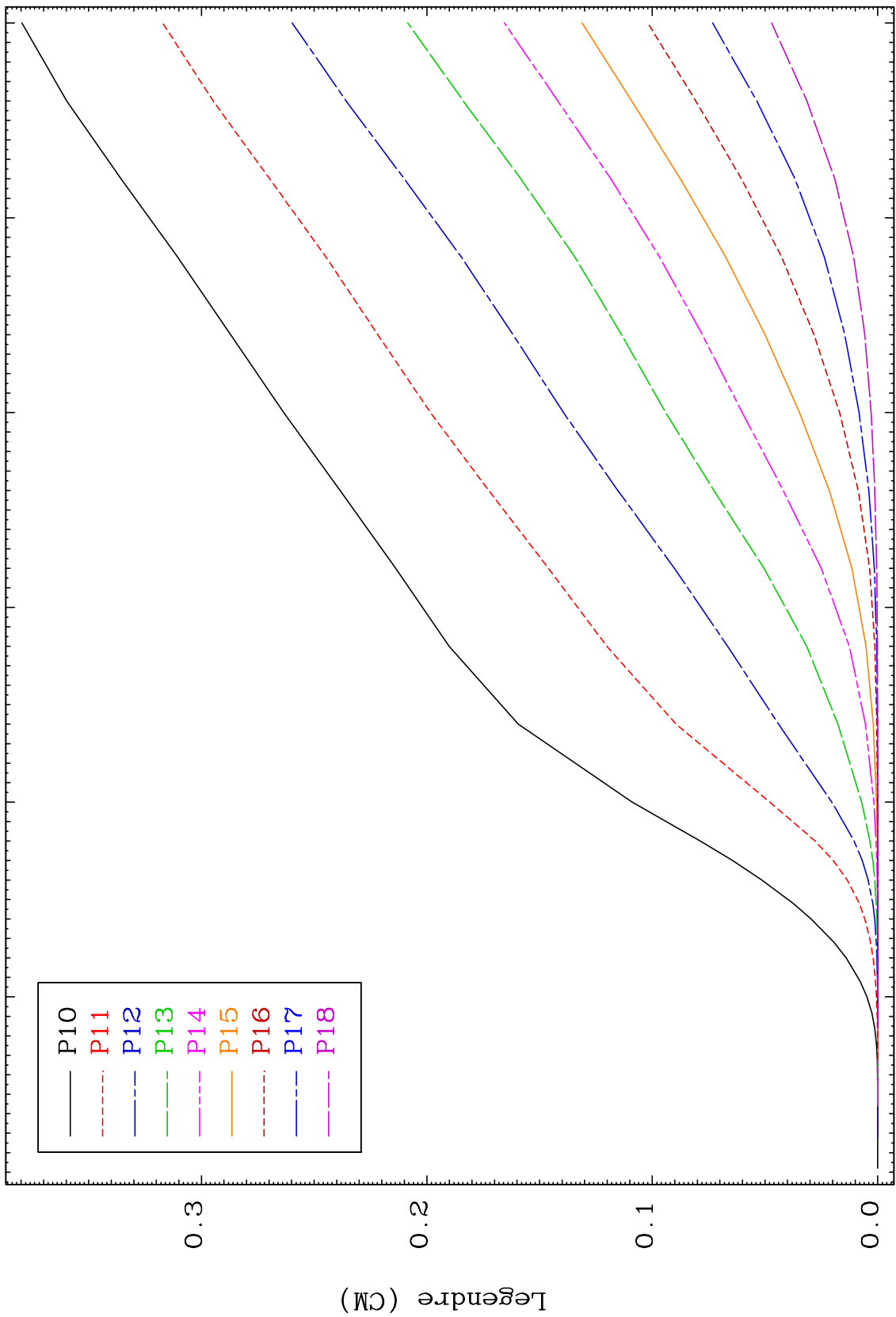
Incident Energy (MeV)

⁷³Ta-179

MAT 7322

Elastic Legendre Coefficients

⁷³Ta-179



17

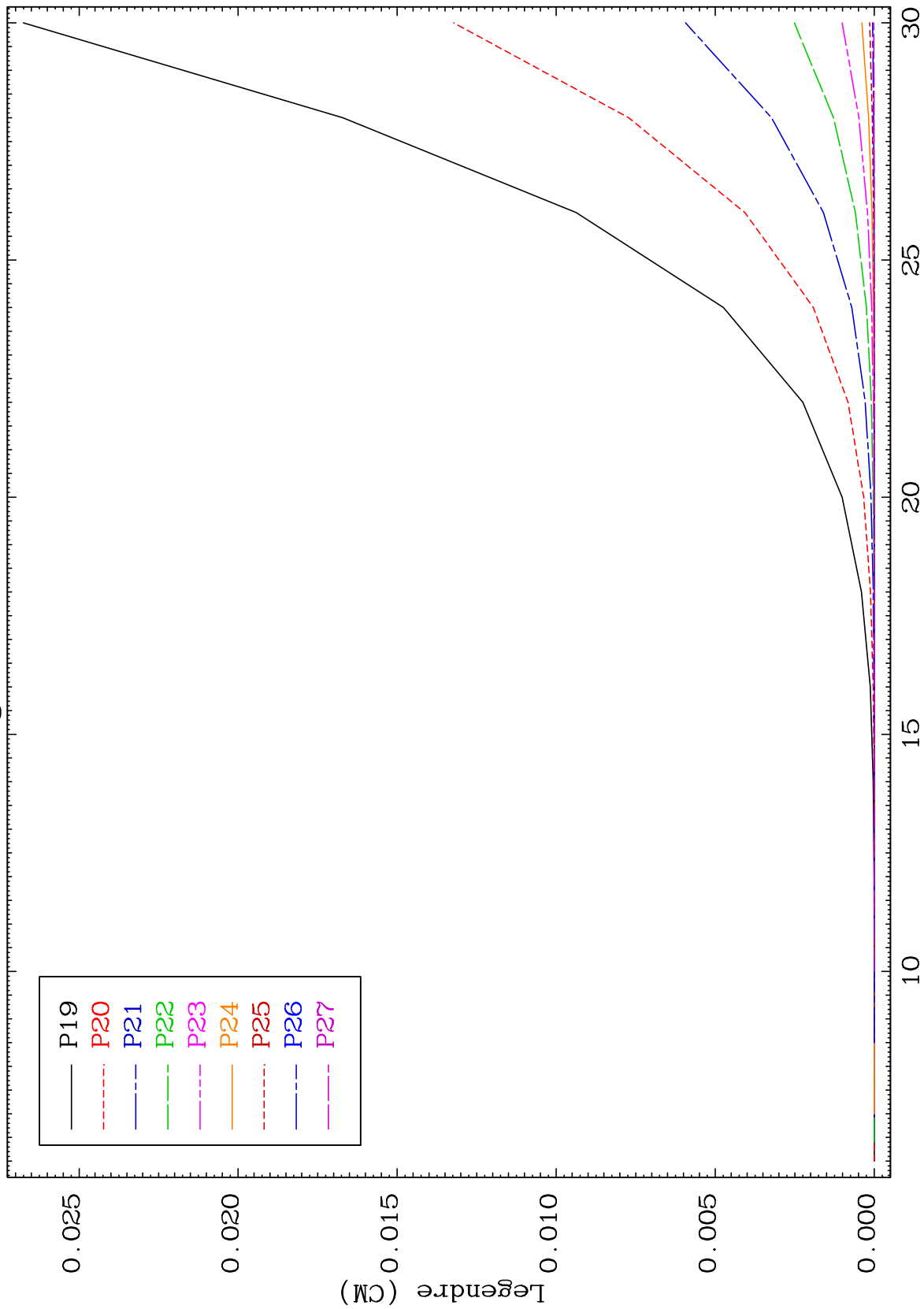
Incident Energy (MeV)

⁷³Ta-179

MAT 7322

Elastic Legendre Coefficients

73-Ta-179



18

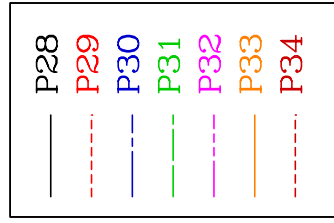
Incident Energy (MeV)

73-Ta-179

MAT 7322

Elastic
Legendre Coefficients

73-Ta-179



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

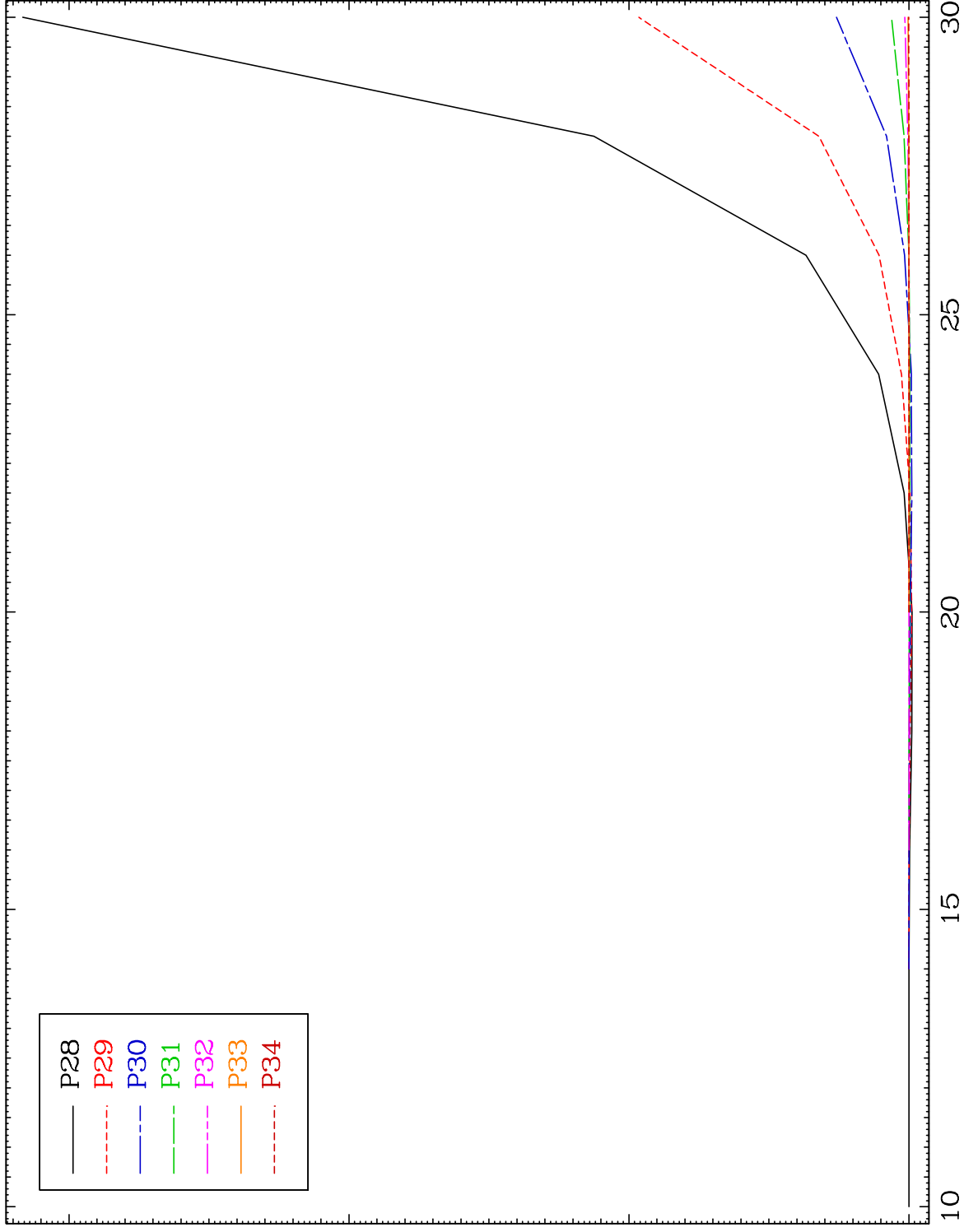
25

30

19

Incident Energy (MeV)

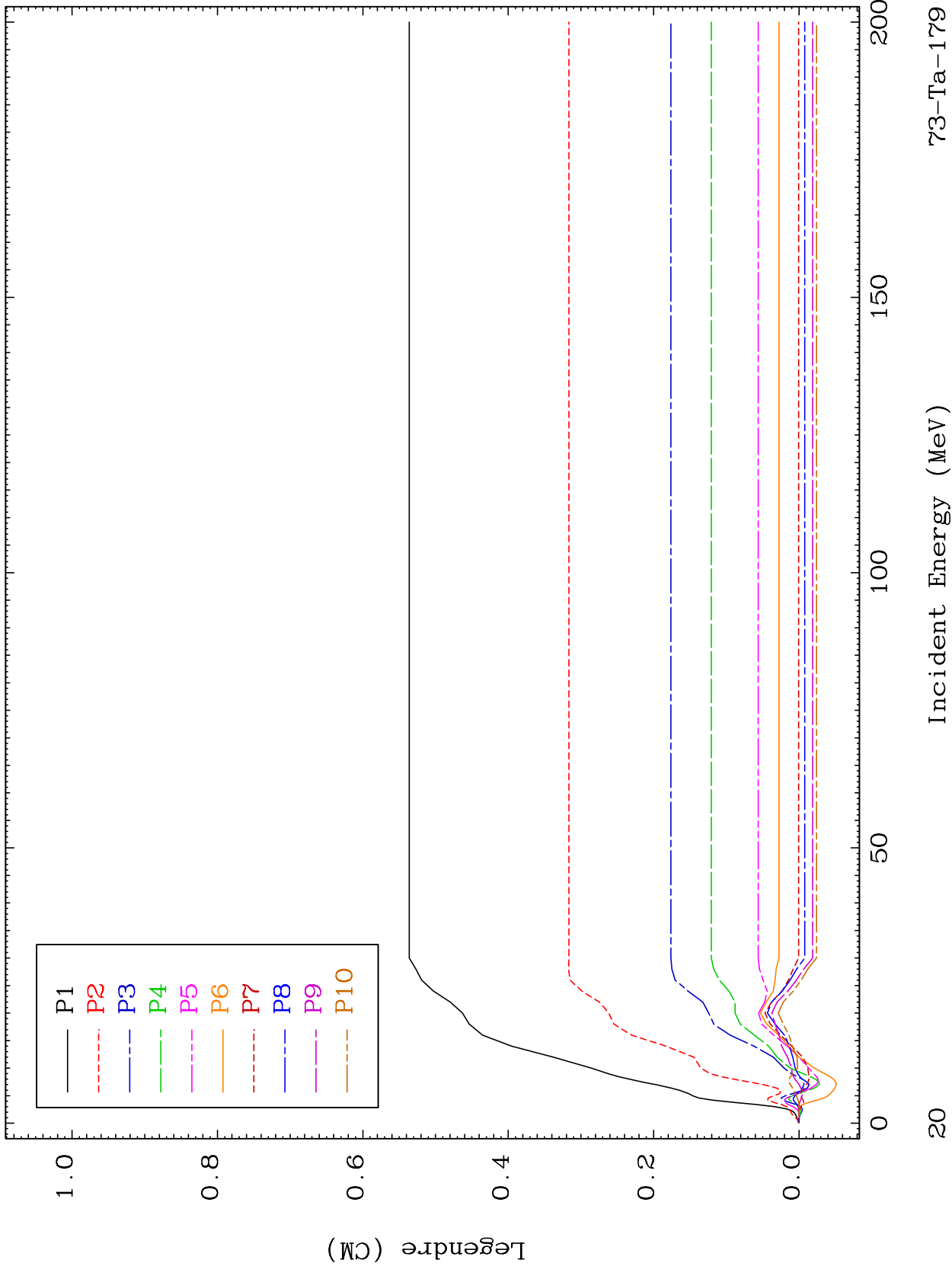
73-Ta-179



MAT 7322

30.70 keV (n,n') Level
Legendre Coefficients

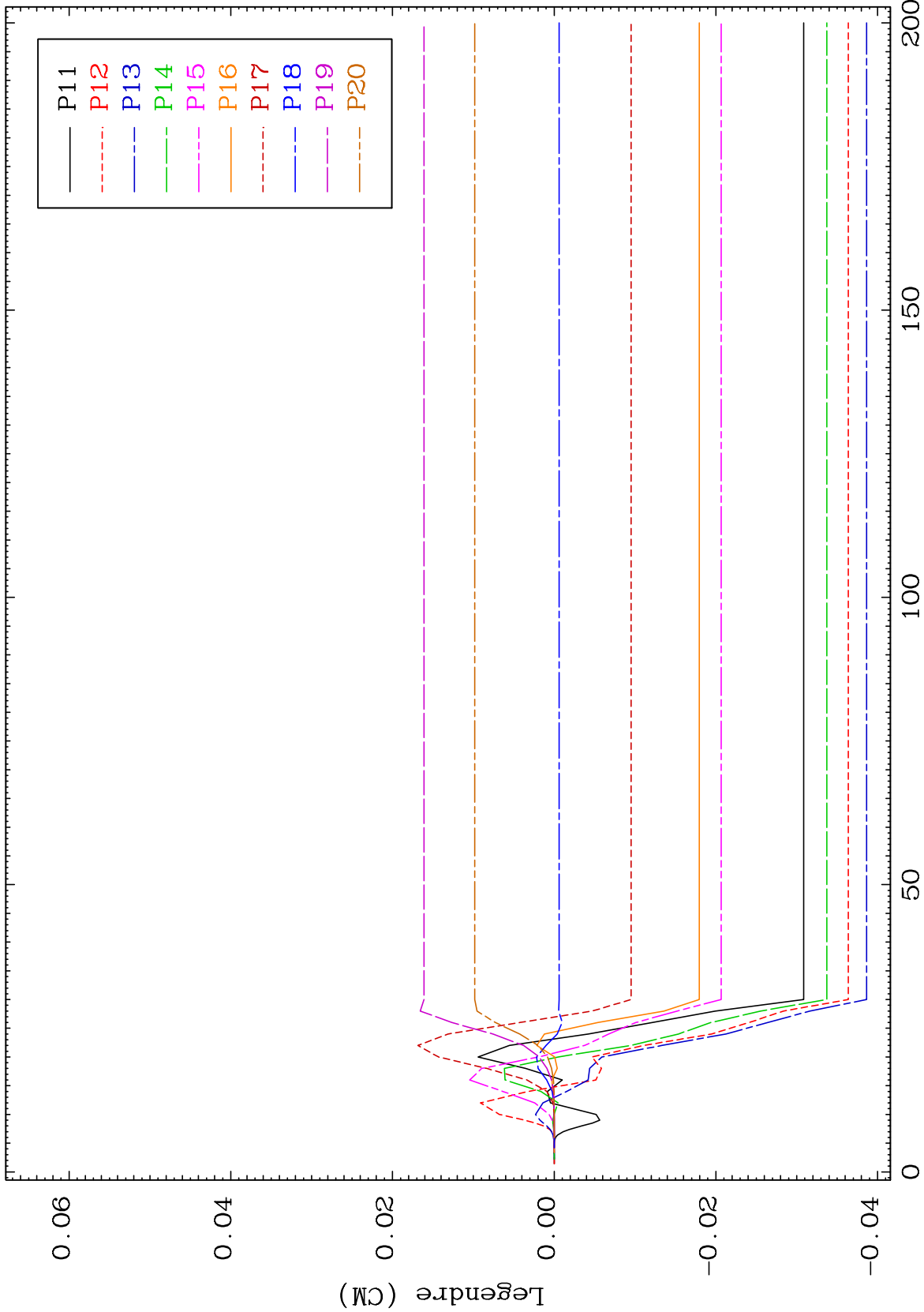
73-Ta-179

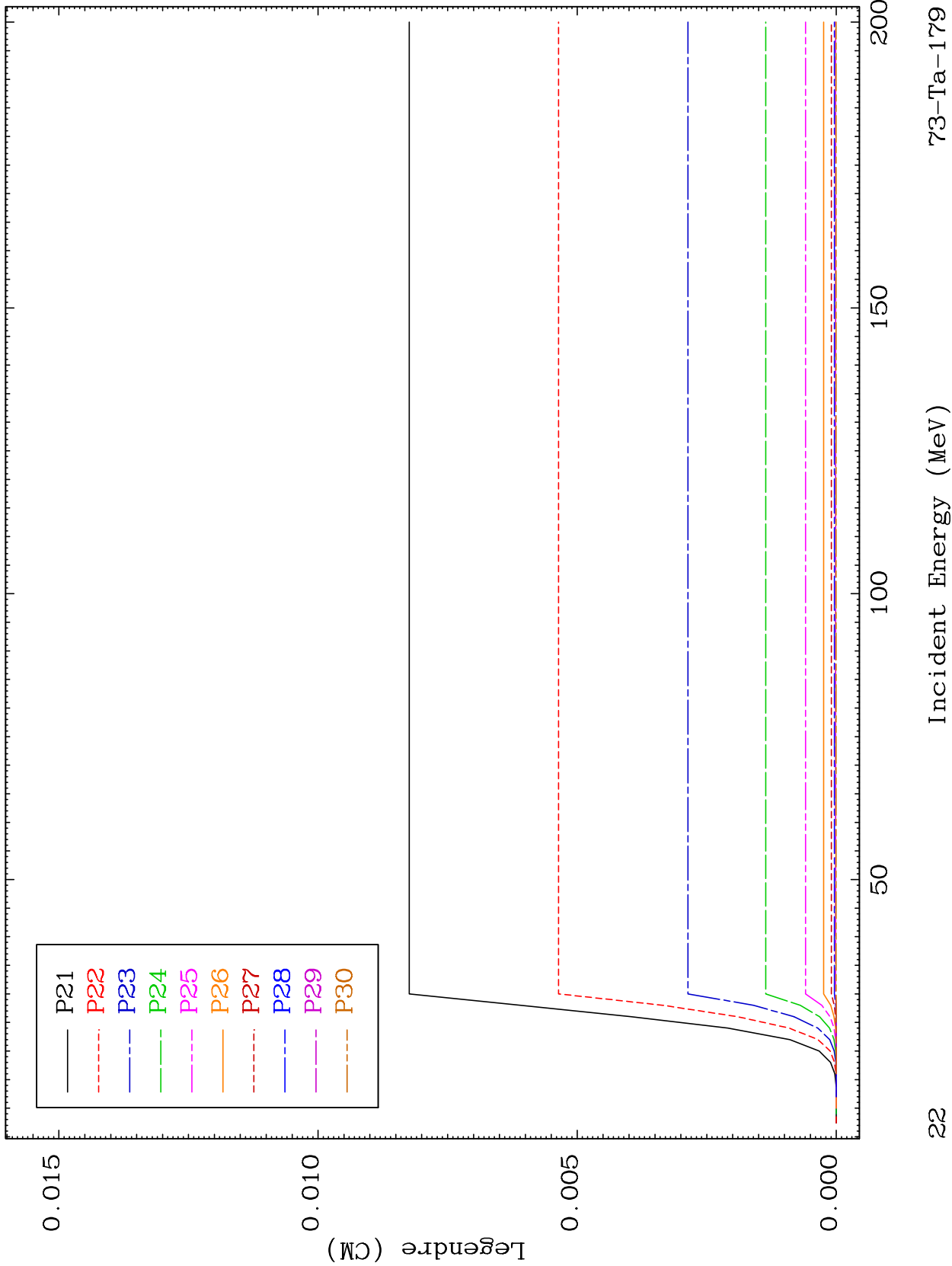


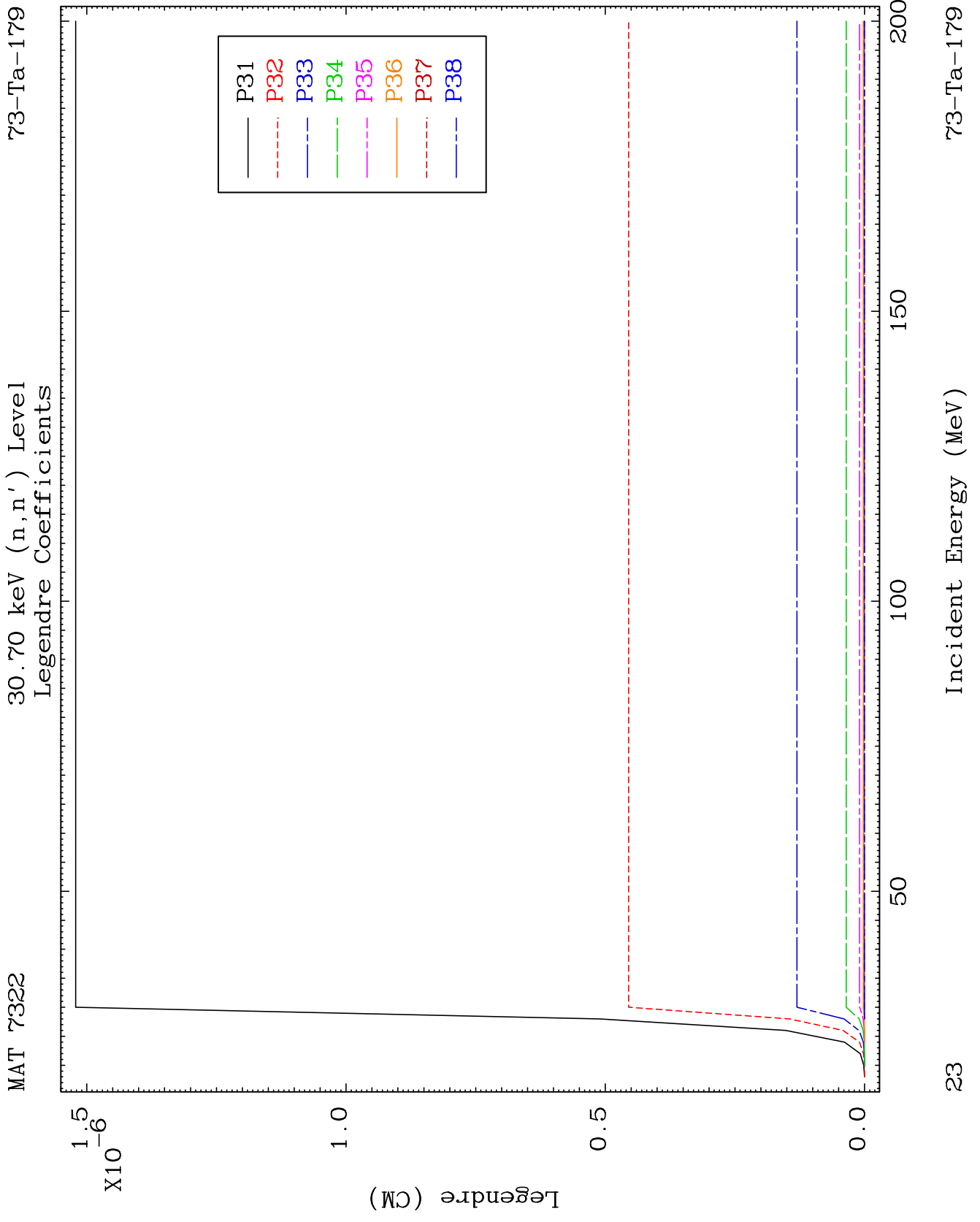
73-Ta-179

Incident Energy (MeV)

0



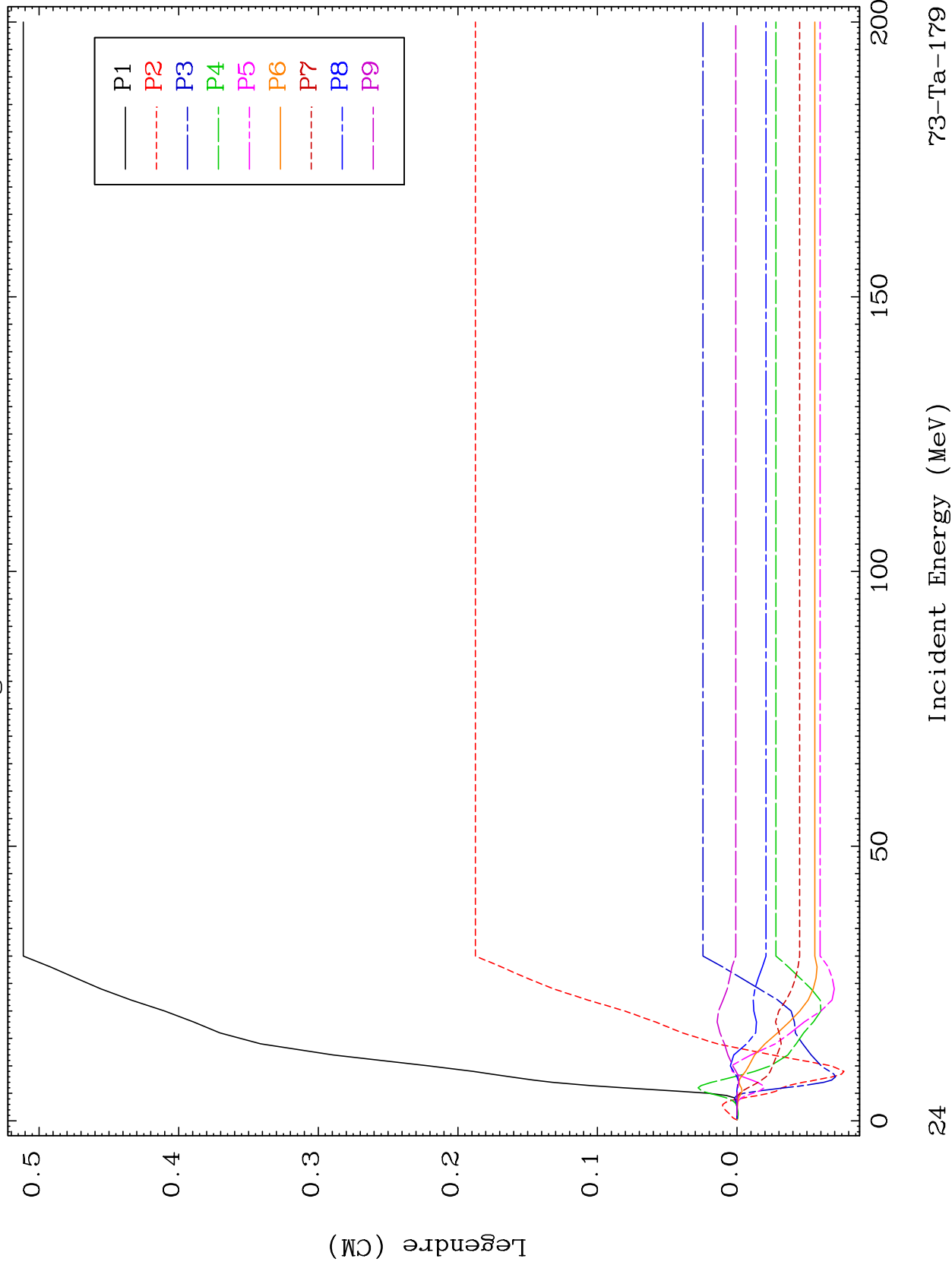




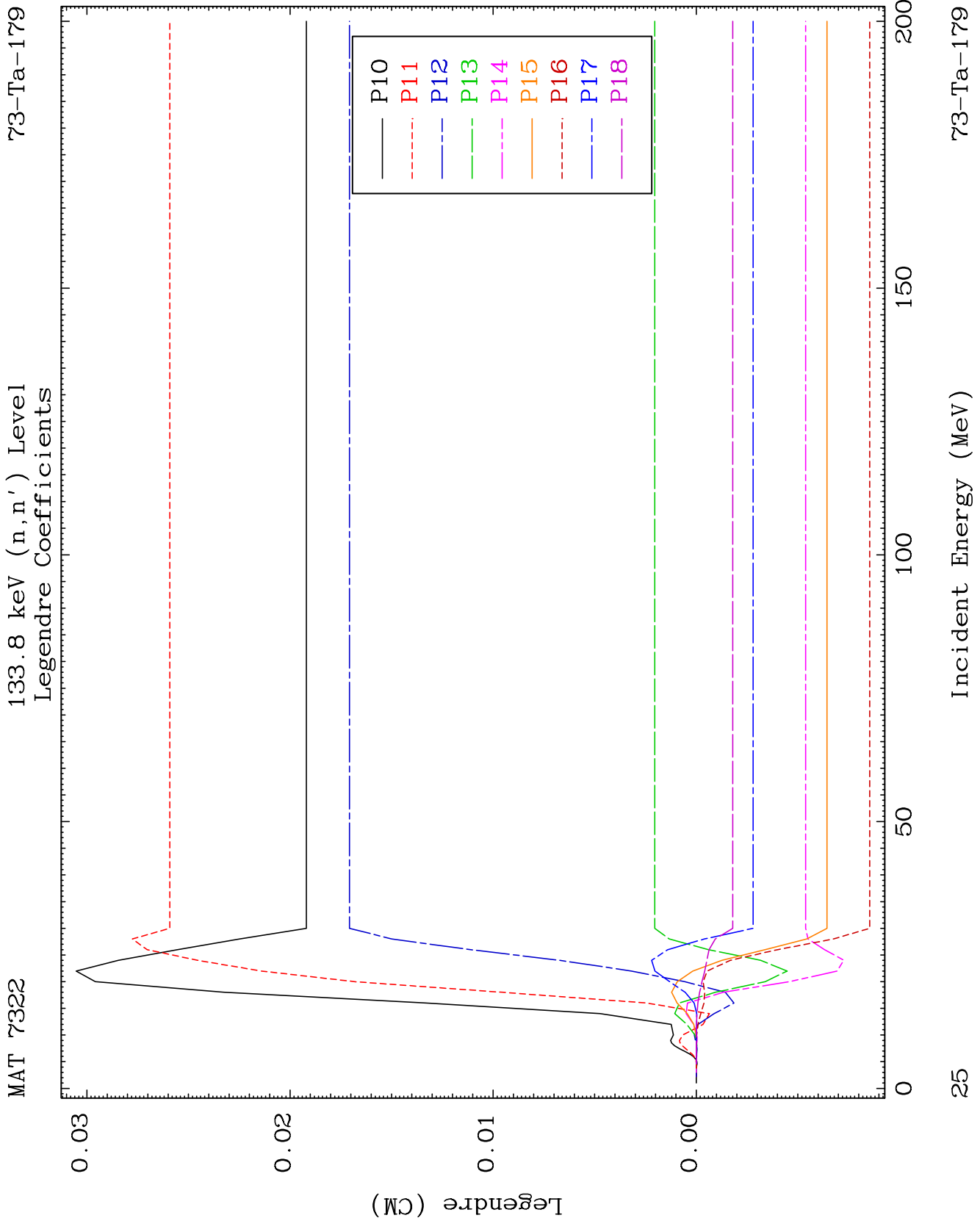
MAT 7322

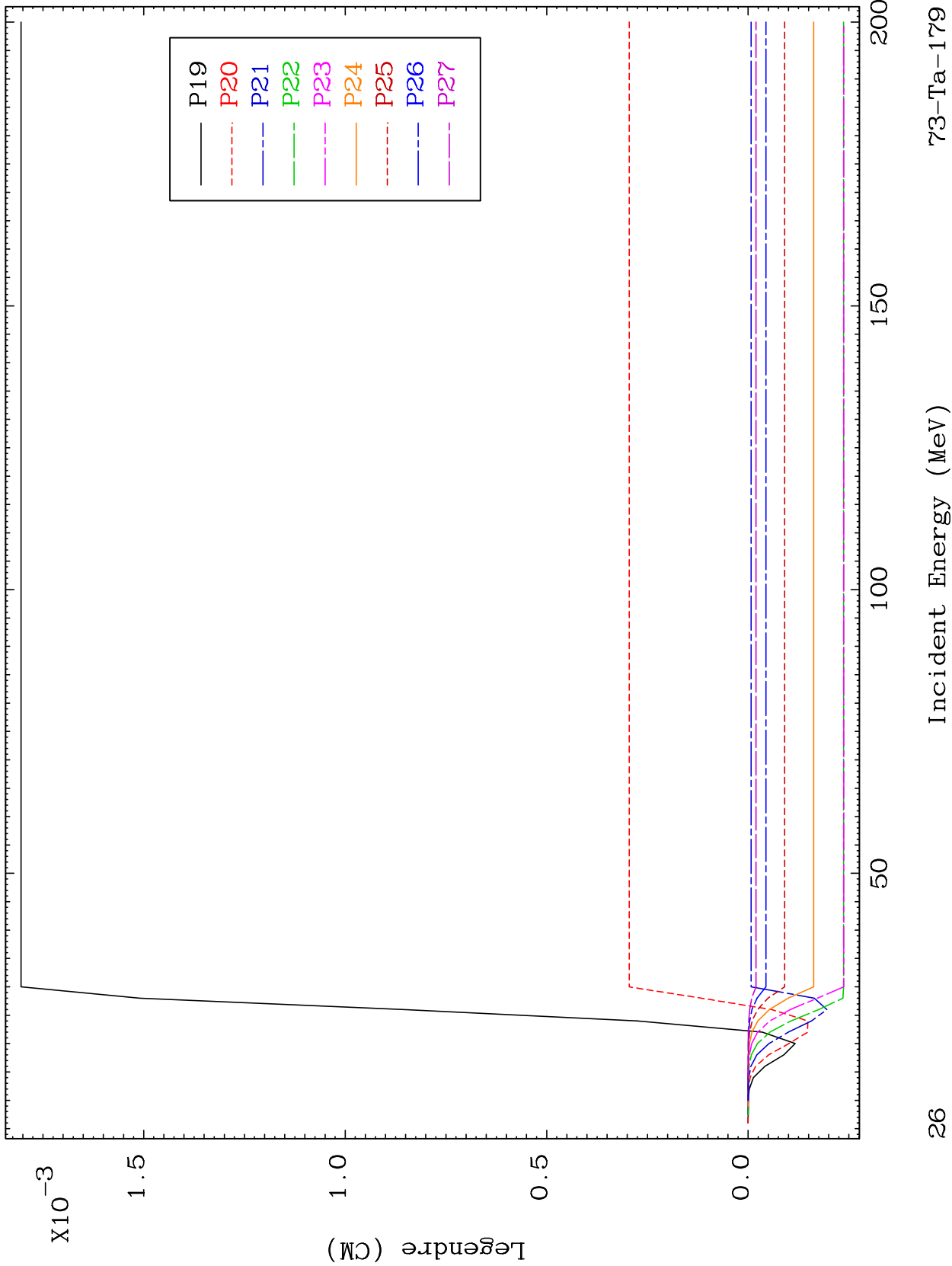
133.8 keV (n,n') Level
Legendre Coefficients

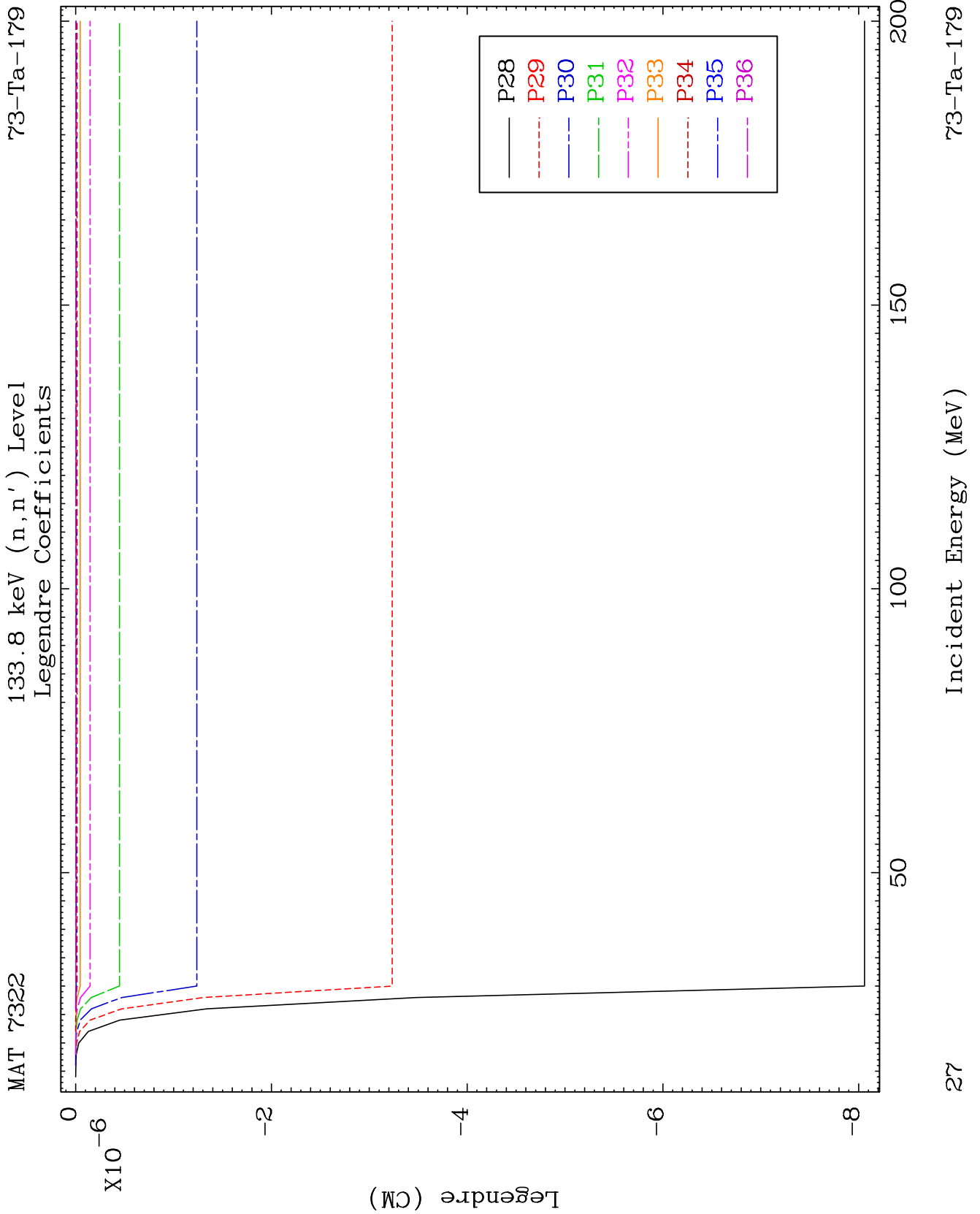
73-Ta-179

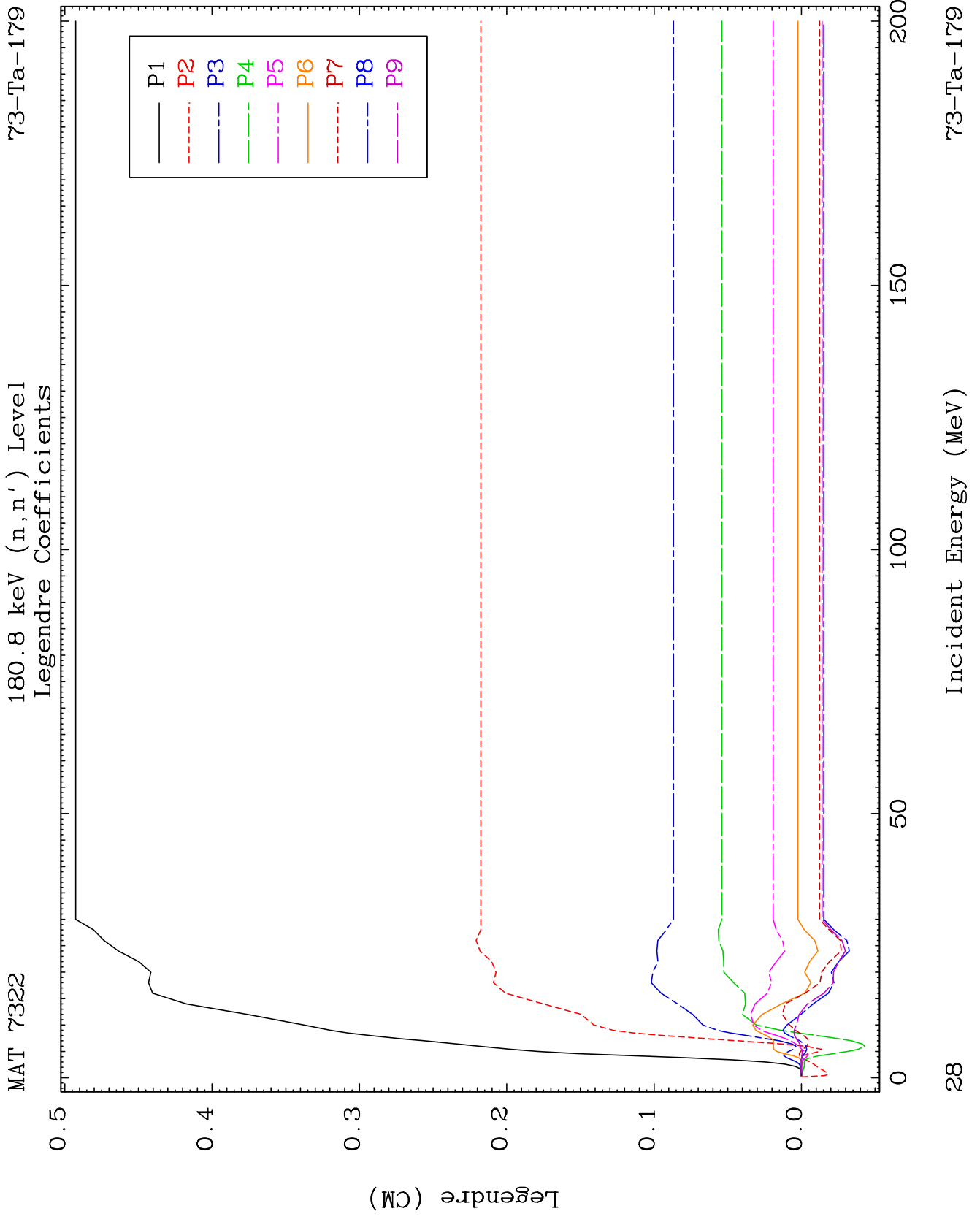


24





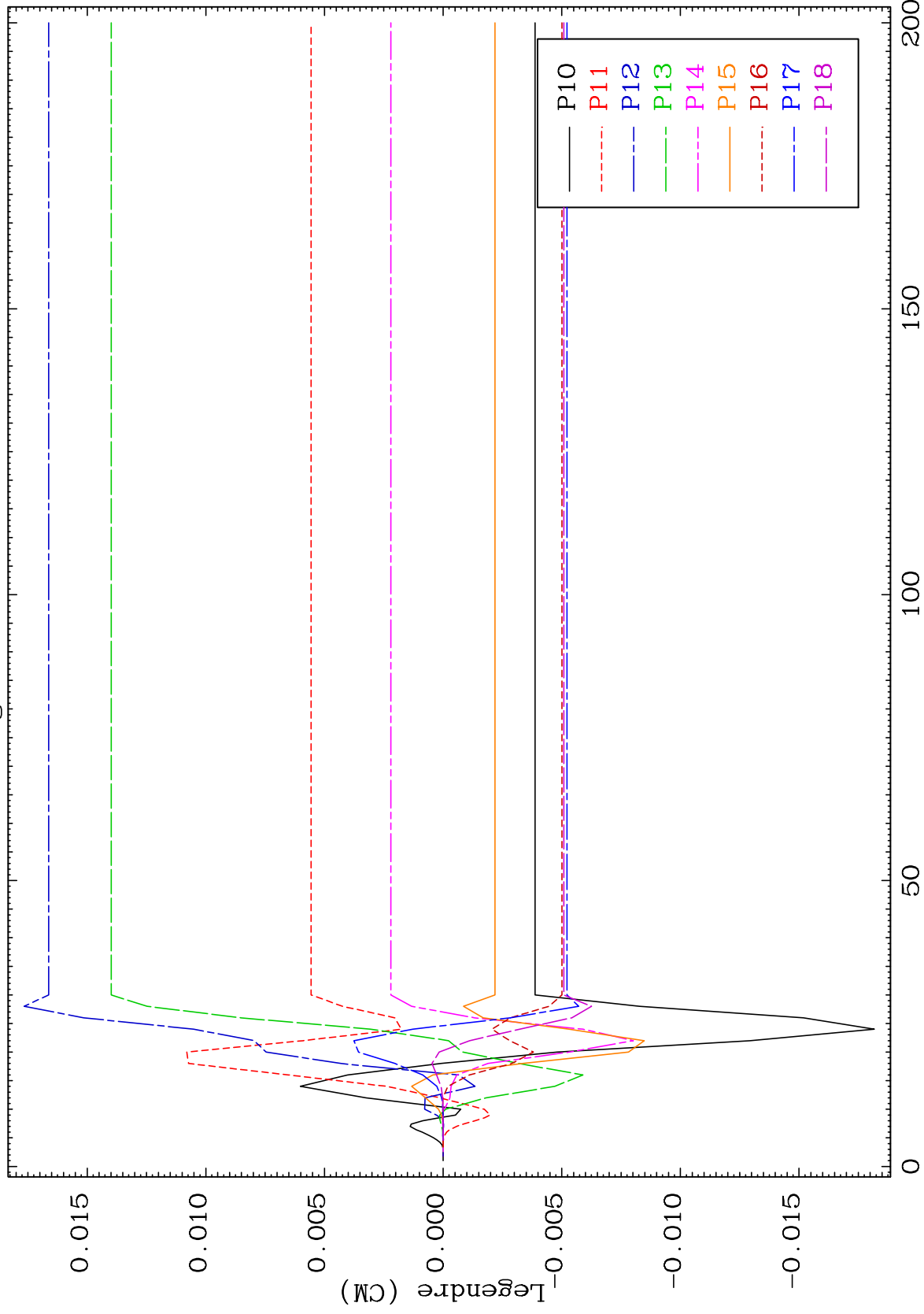




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180.8 keV (n,n') Level
Legendre Coefficients

73-Ta-179



29

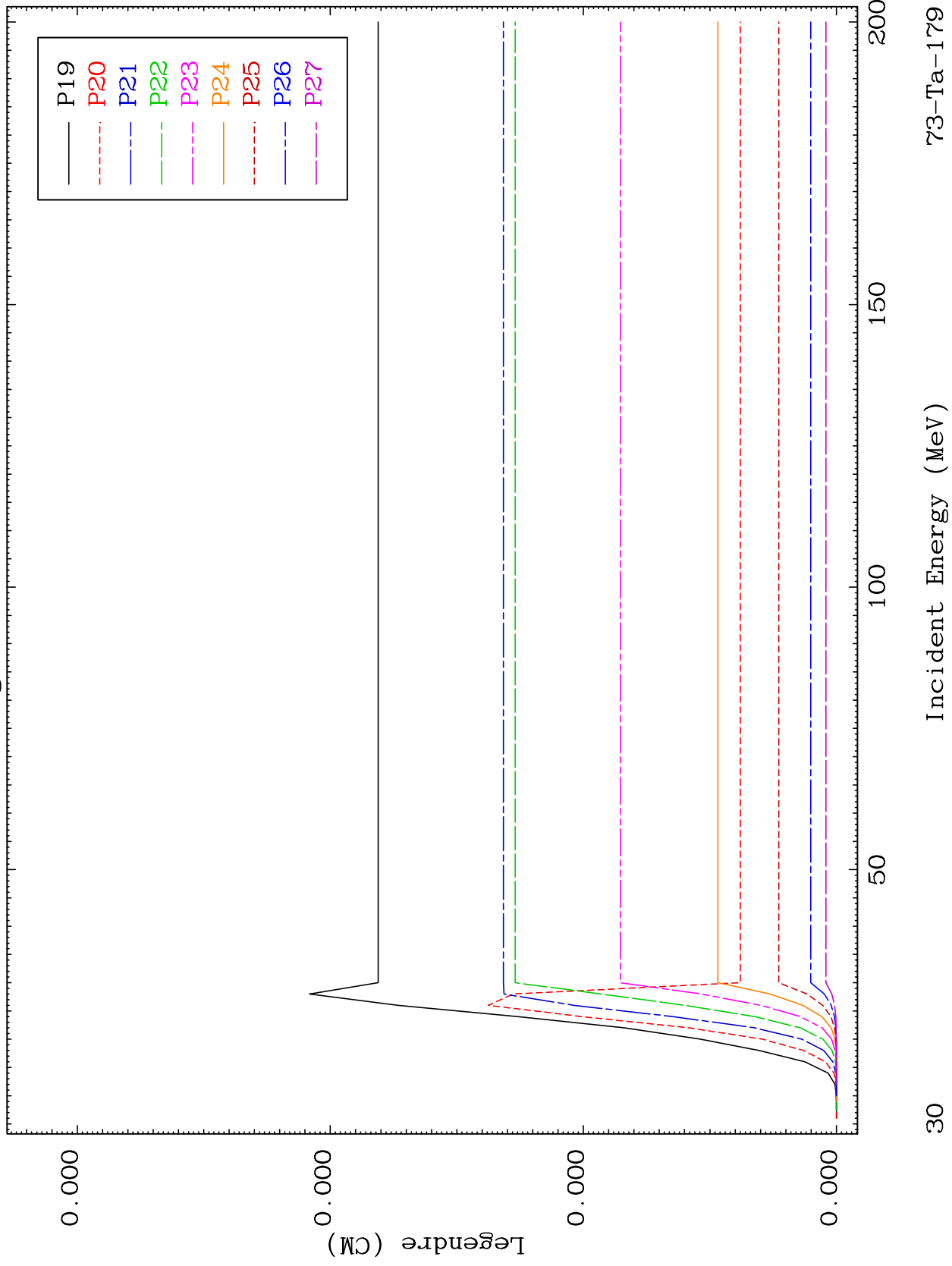
Incident Energy (MeV)

73-Ta-179

MAT 7322

180.8 keV (n,n') Level
Legendre Coefficients

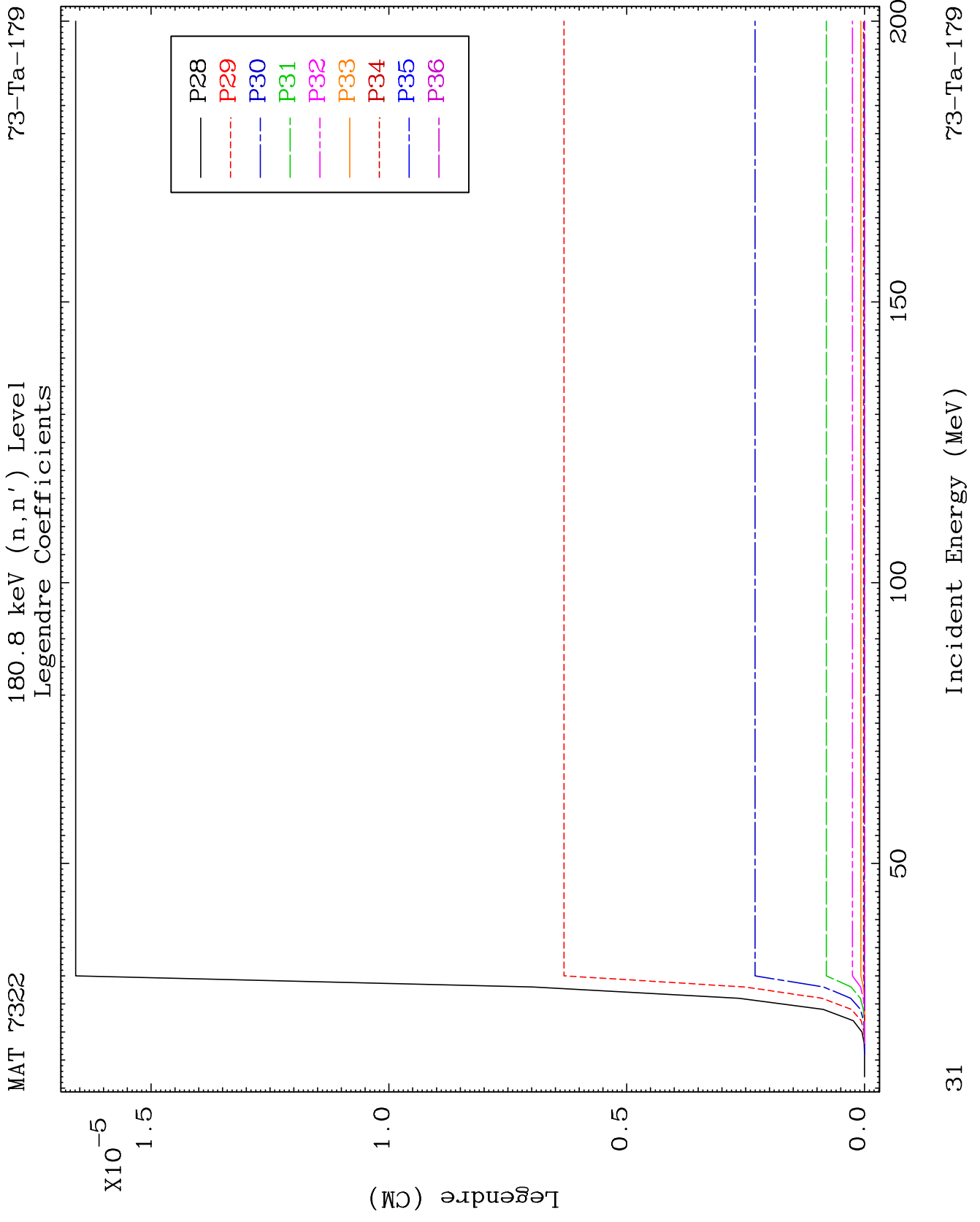
73-Ta-179



30

Incident Energy (MeV)

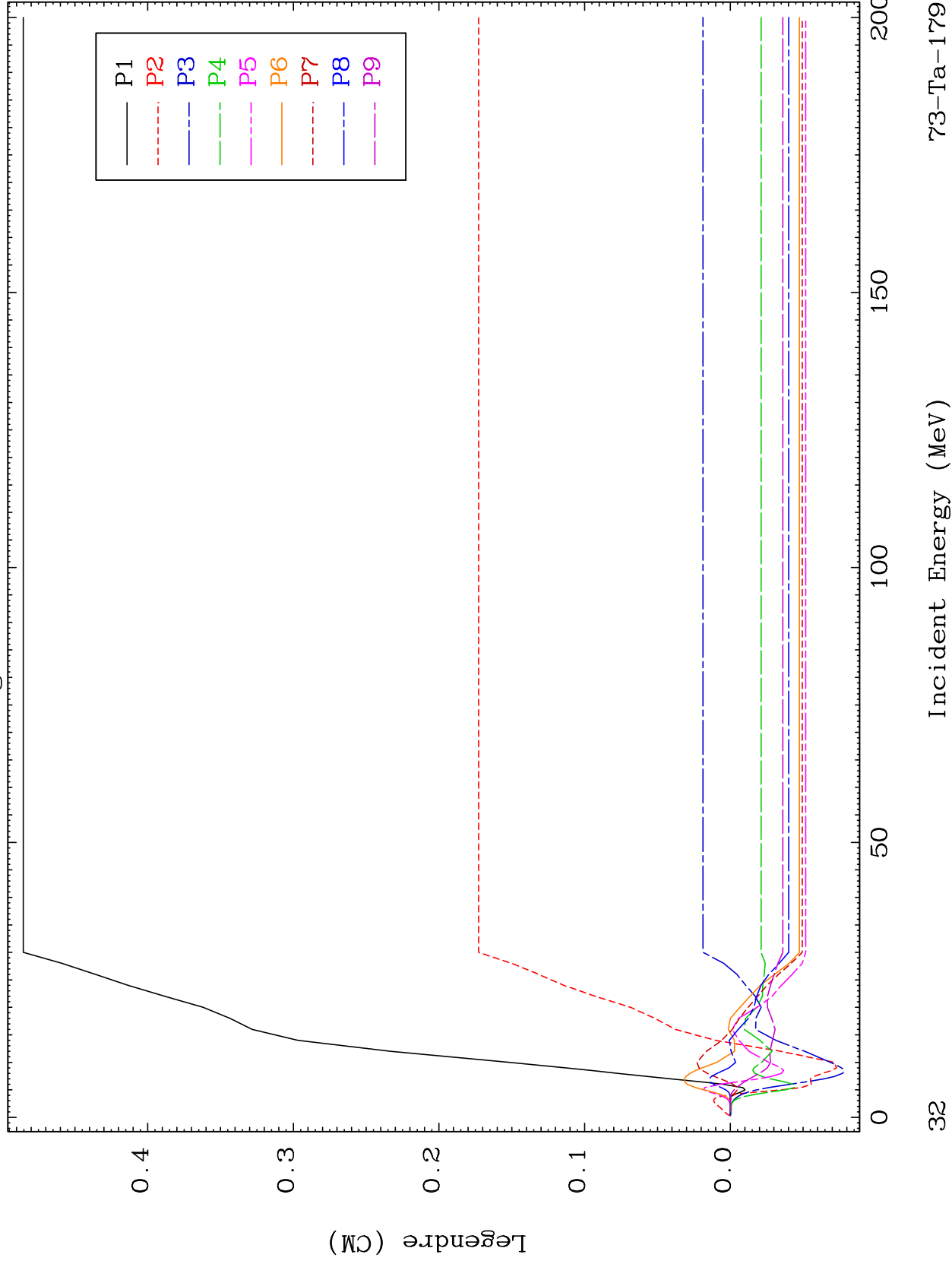
73-Ta-179



MAT 7322

238.6 keV (n,n') Level
Legendre Coefficients

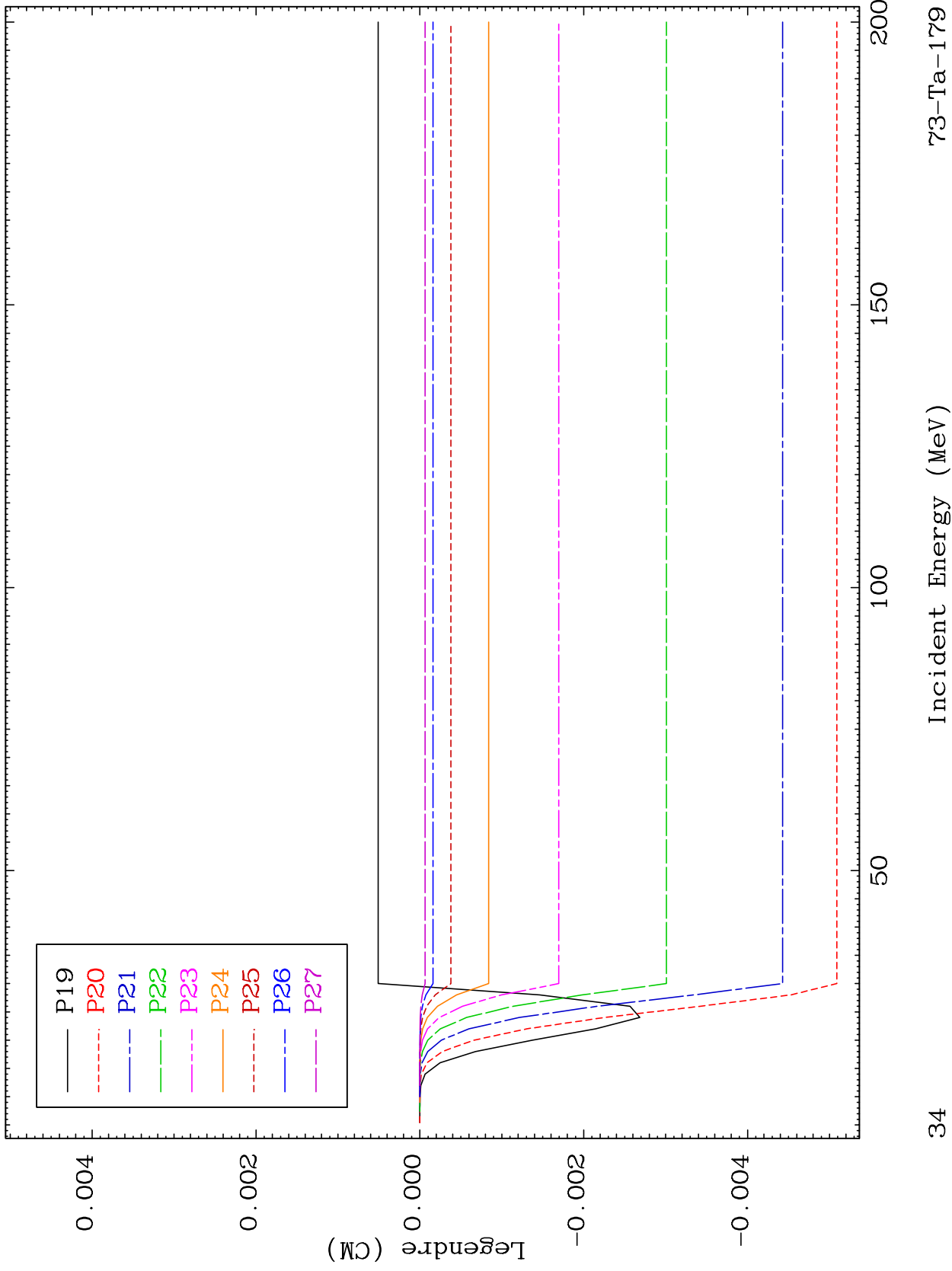
73-Ta-179

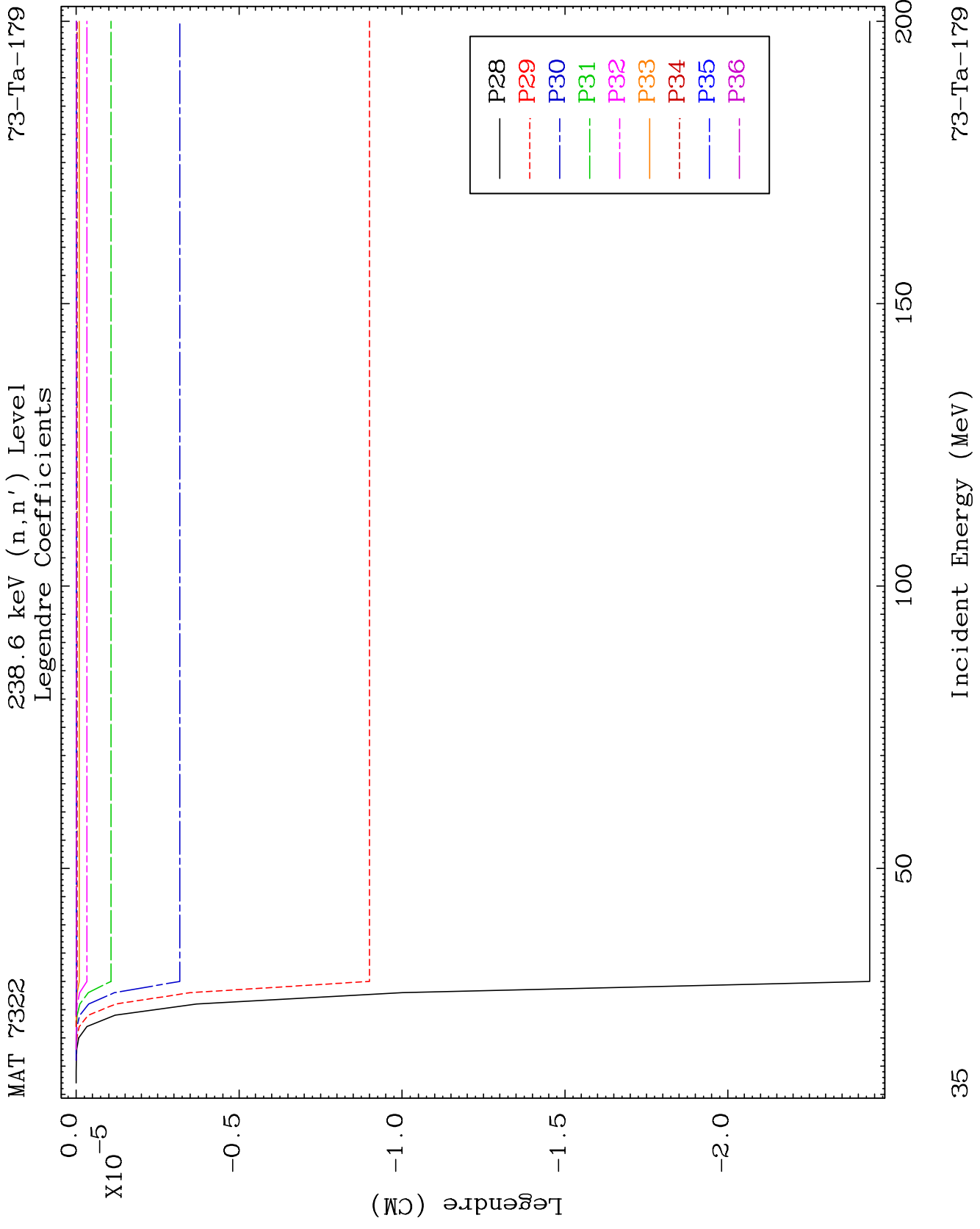


73-Ta-179

Incident Energy (MeV)

32

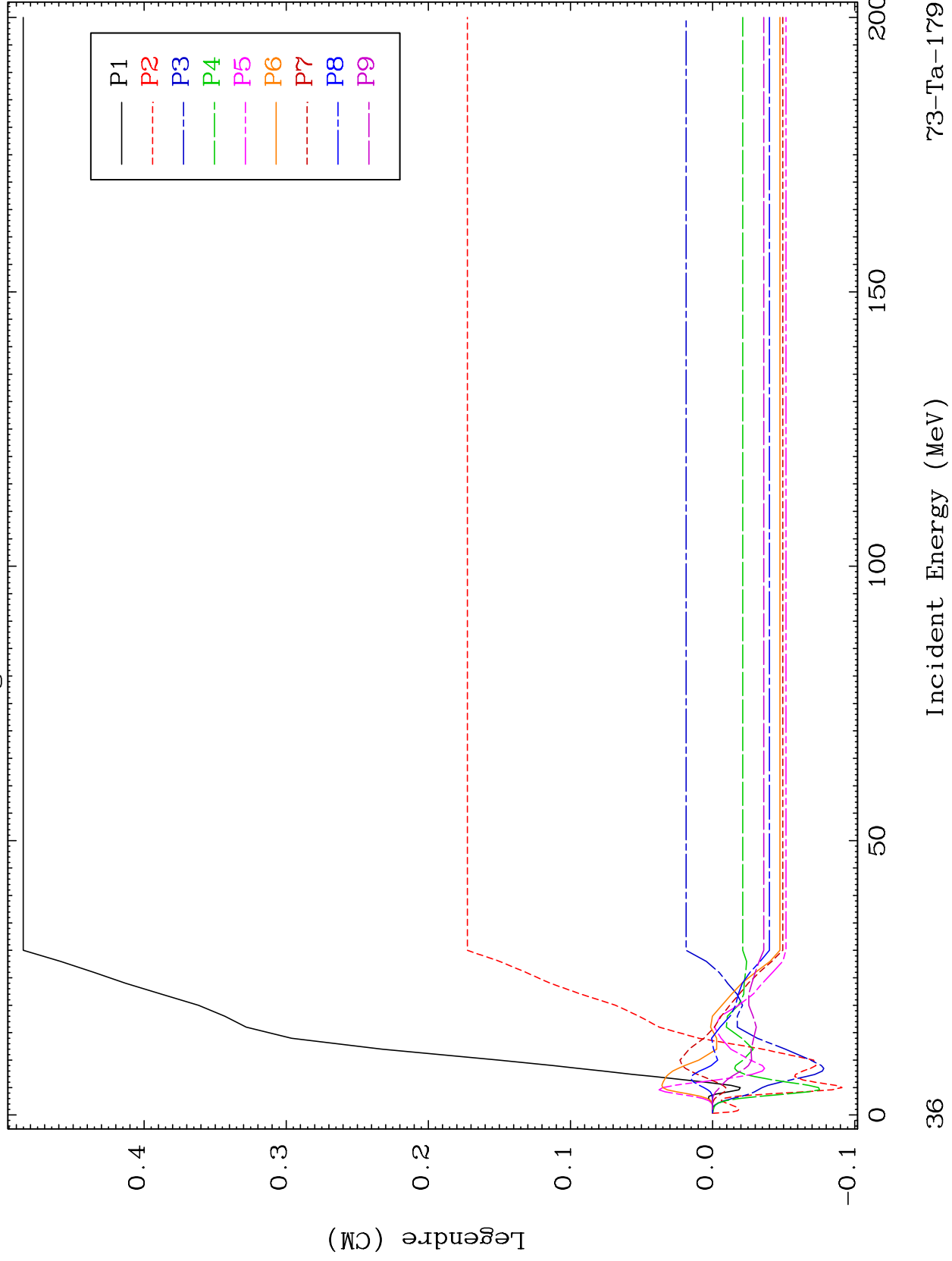




MAT 7322

294.6 keV (n,n') Level
Legendre Coefficients

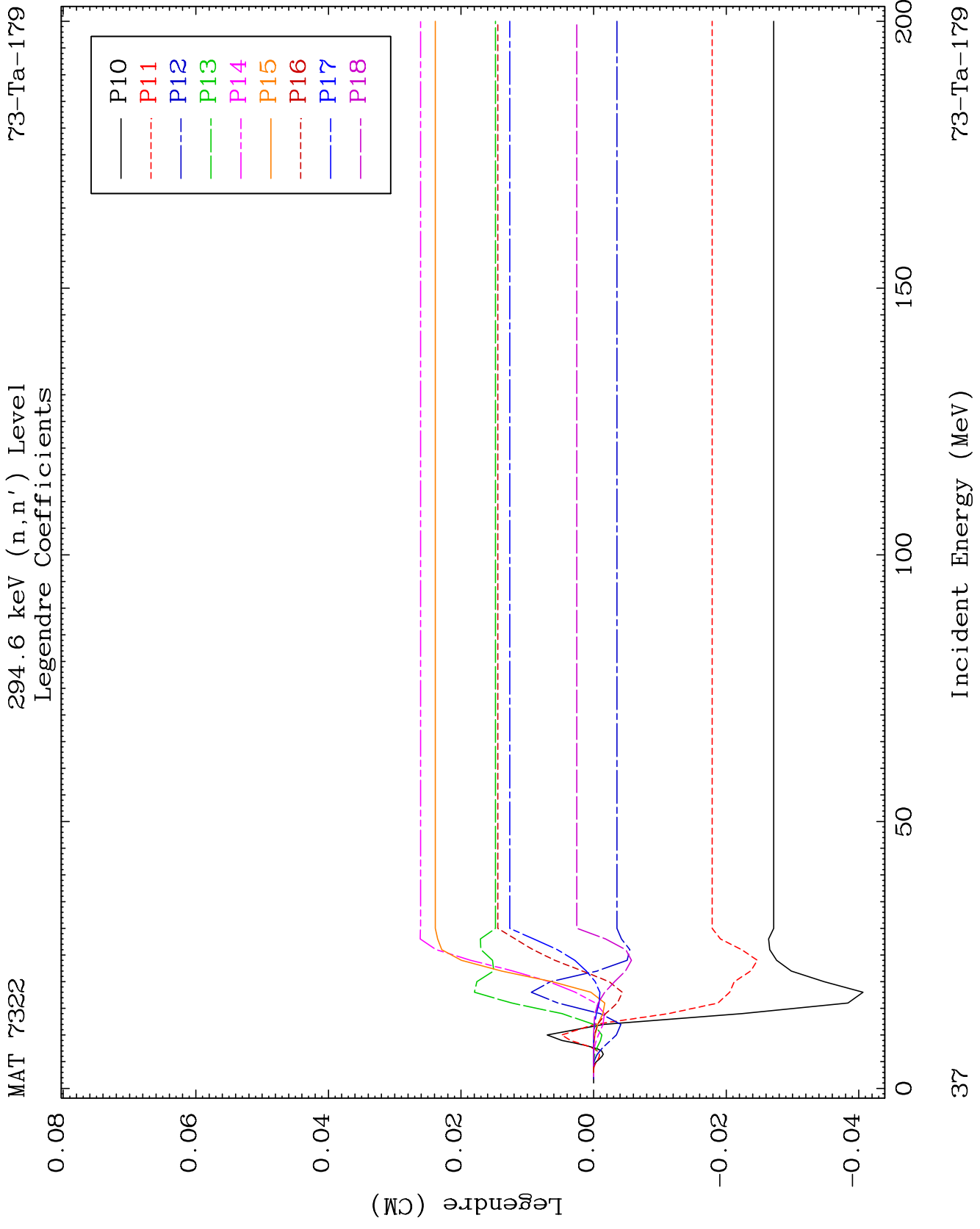
73-Ta-179

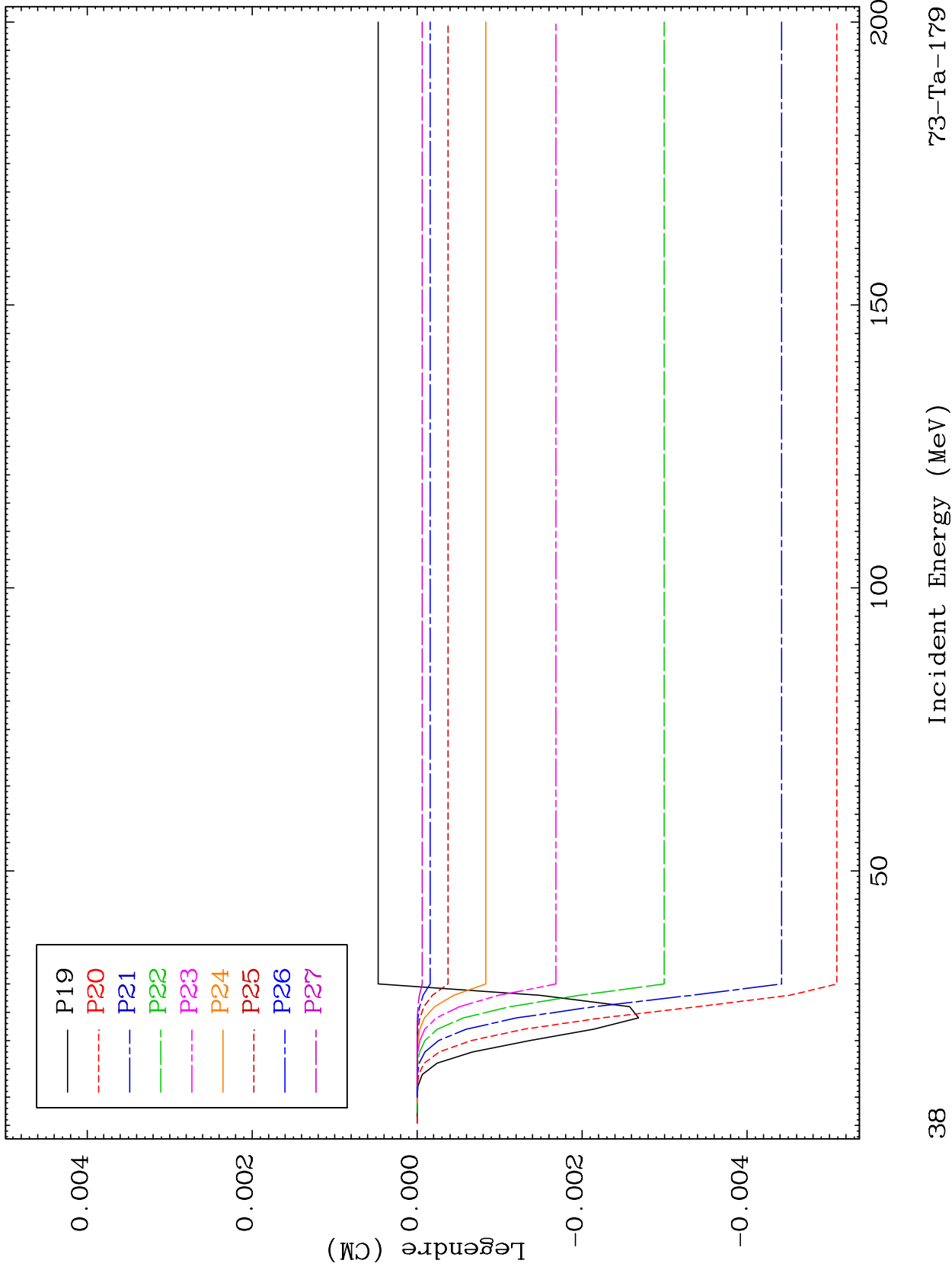


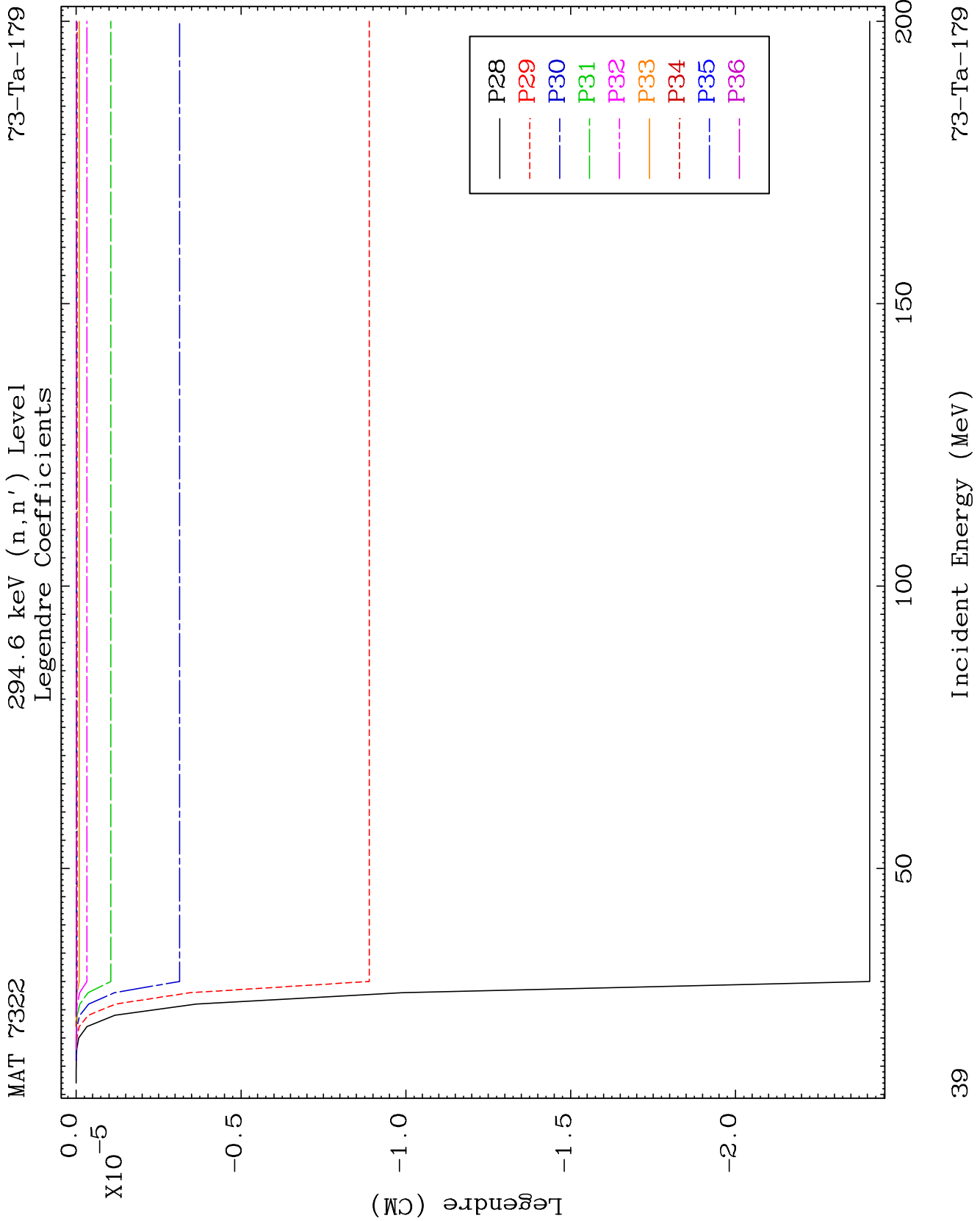
73-Ta-179

Incident Energy (MeV)

36



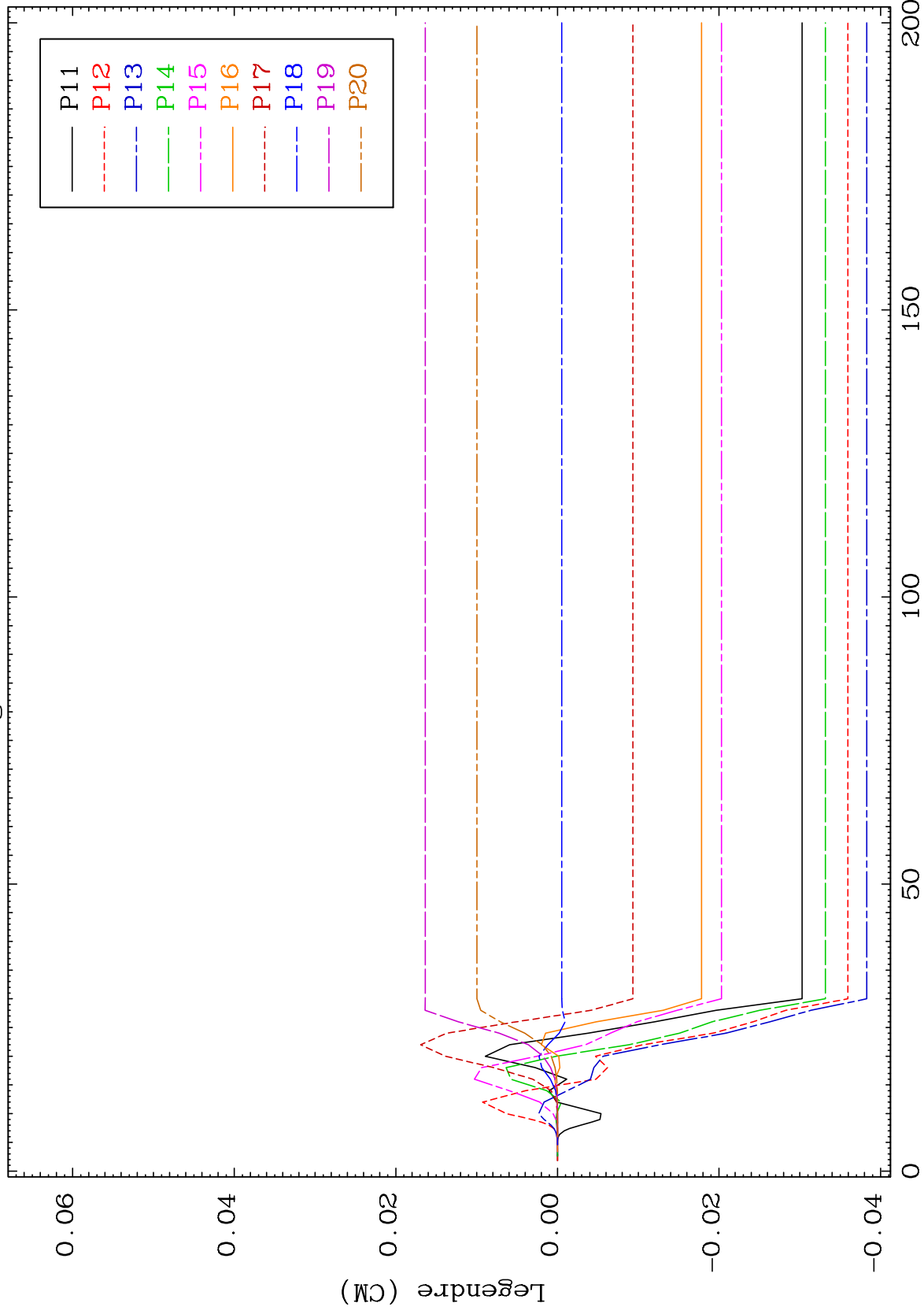




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343.9 keV (n,n') Level
Legendre Coefficients

73-Ta-179



41

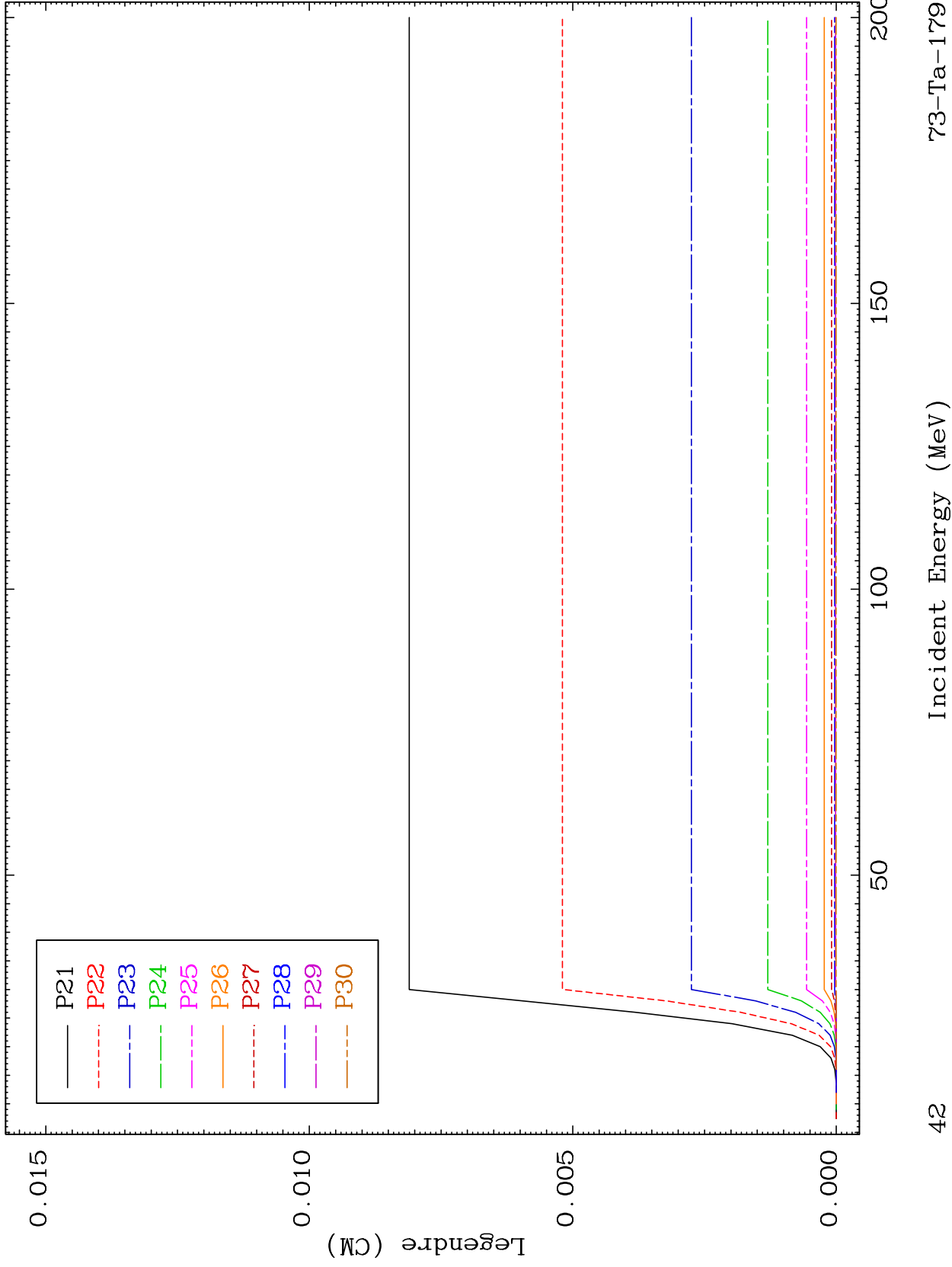
Incident Energy (MeV)

73-Ta-179

MAT 7322

343.9 keV (n,n') Level
Legendre Coefficients

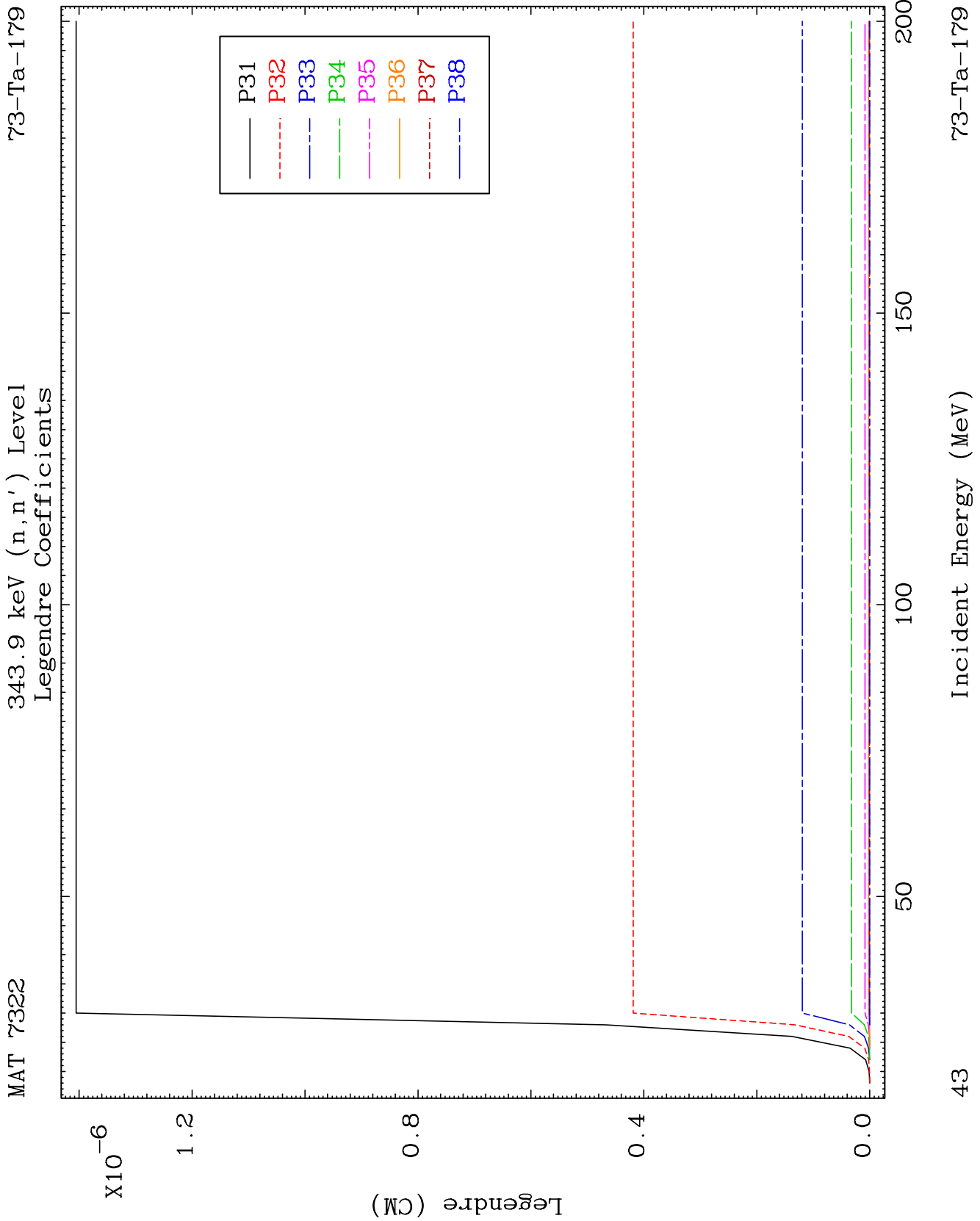
73-Ta-179



42

Incident Energy (MeV)

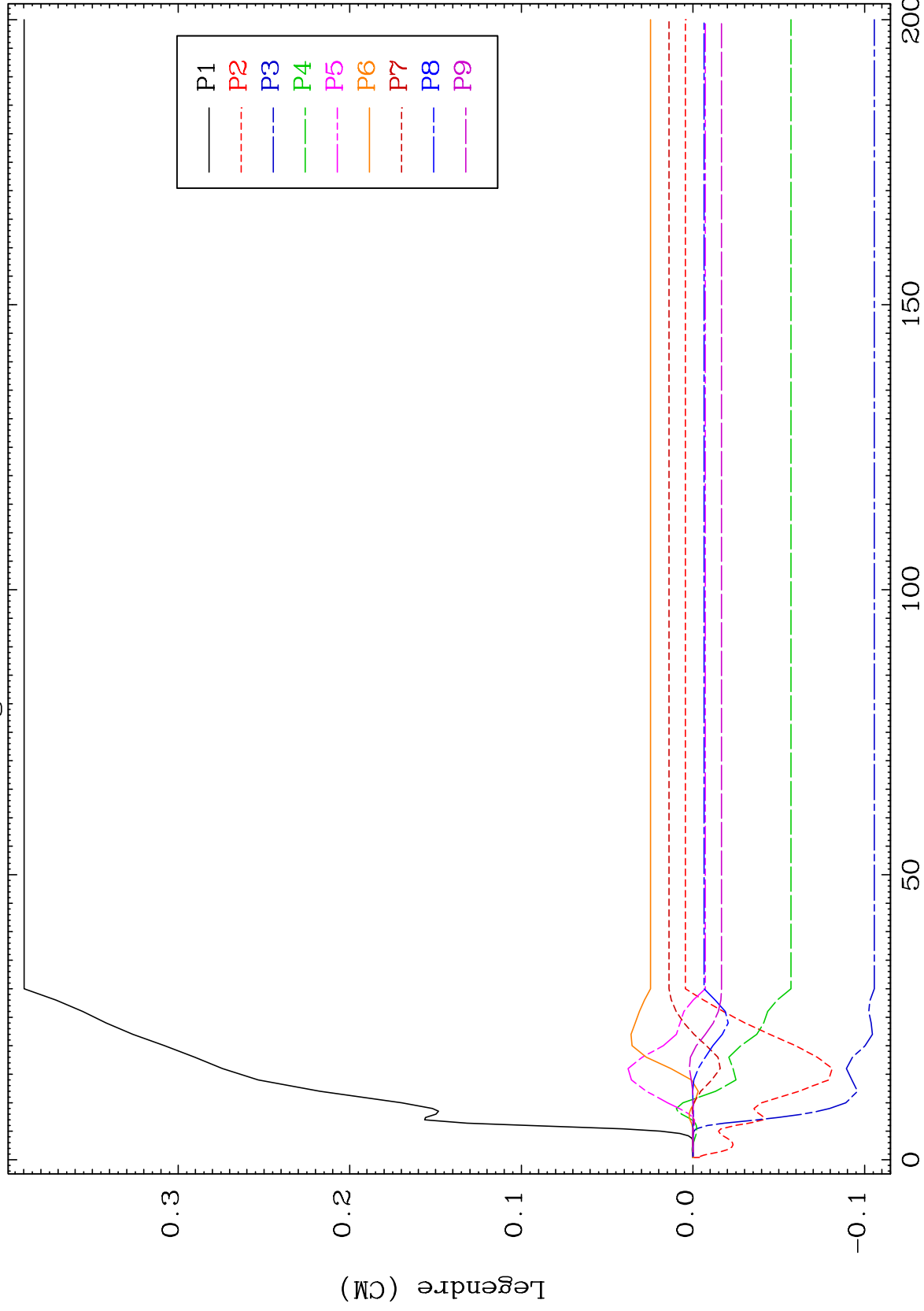
73-Ta-179



MAT 7322

356.2 keV (n,n') Level
Legendre Coefficients

73-Ta-179



44

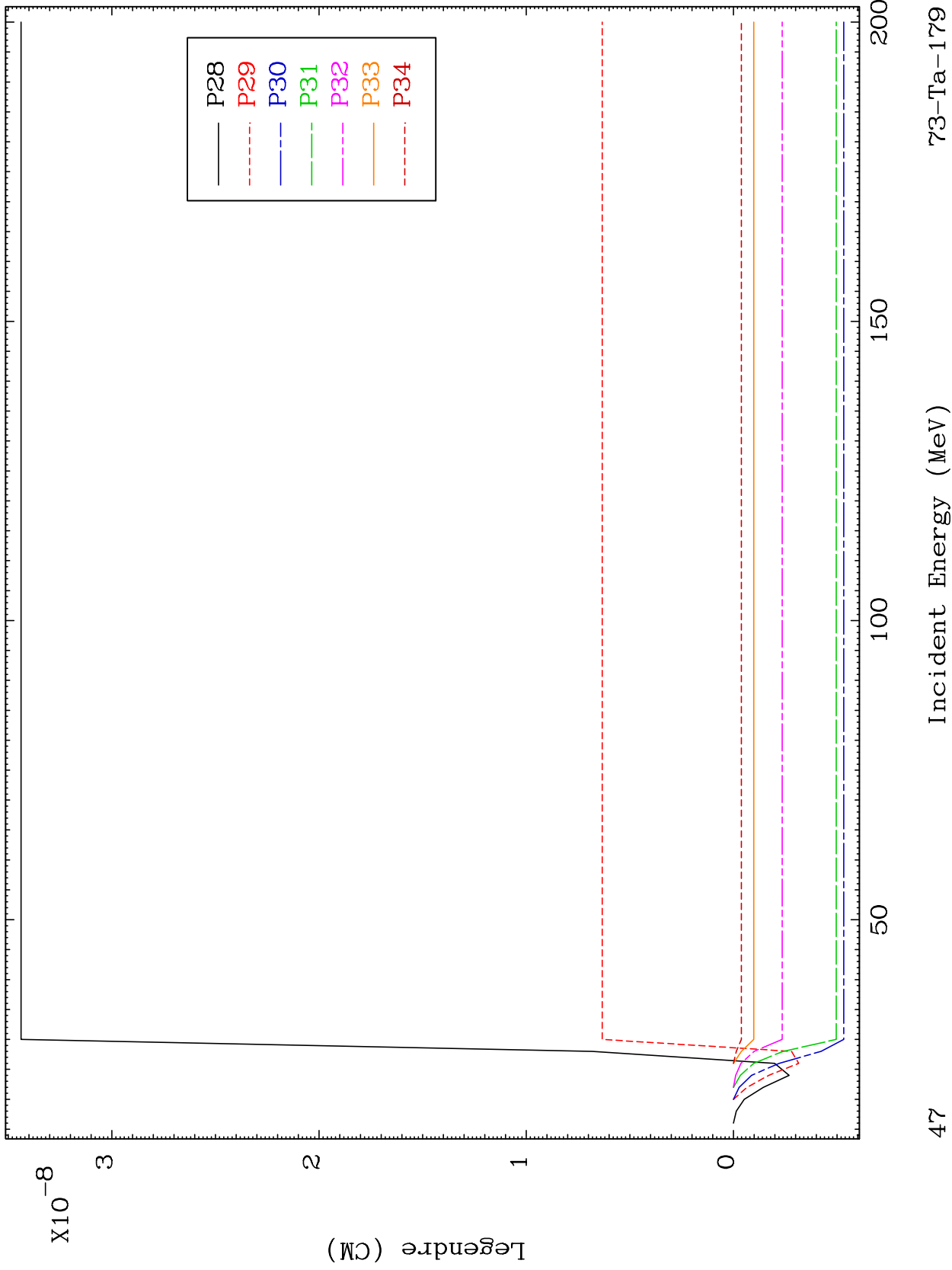
Incident Energy (MeV)

73-Ta-179

MAT 7322

356.2 keV (n,n') Level
Legendre Coefficients

73-Ta-179



47

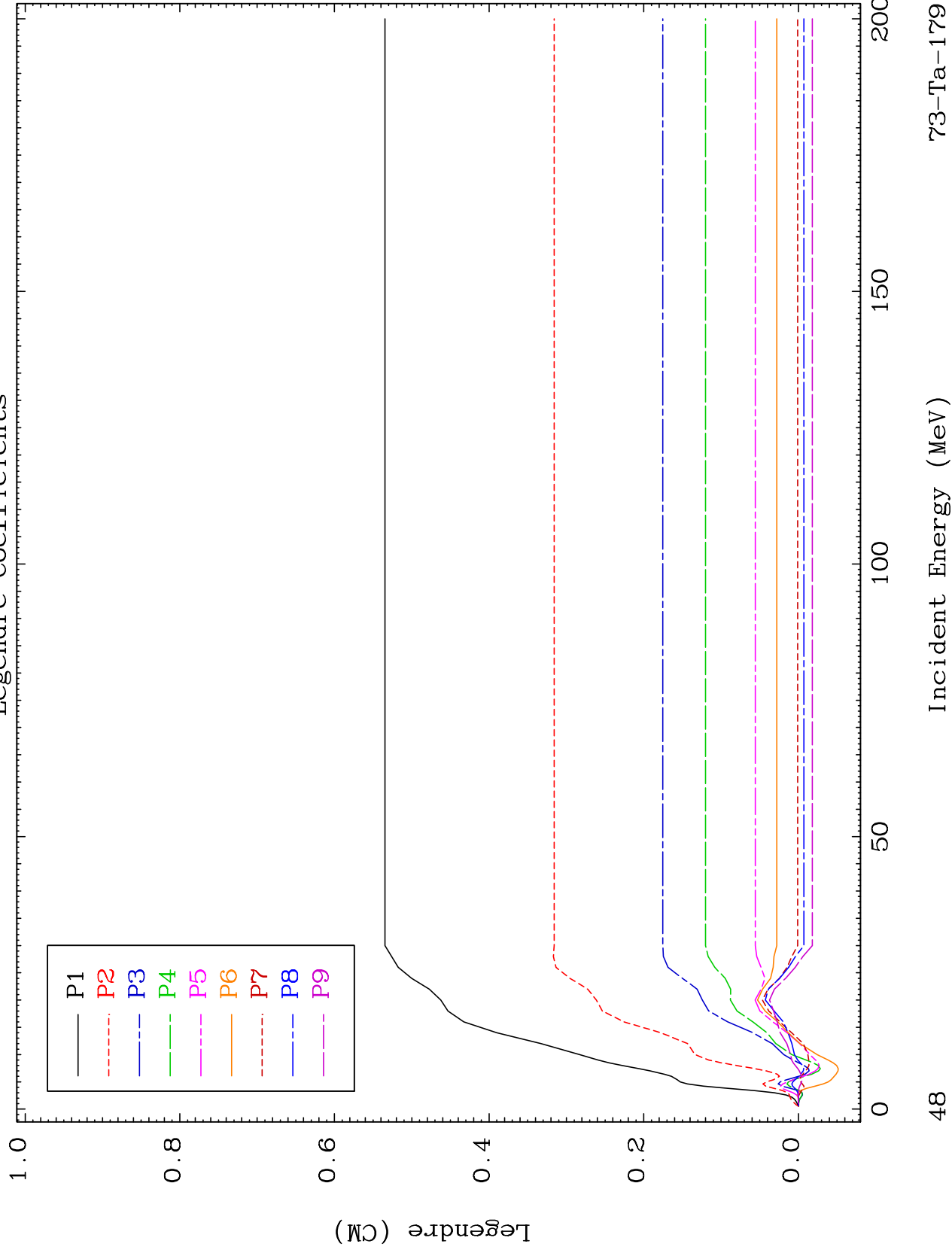
Incident Energy (MeV)

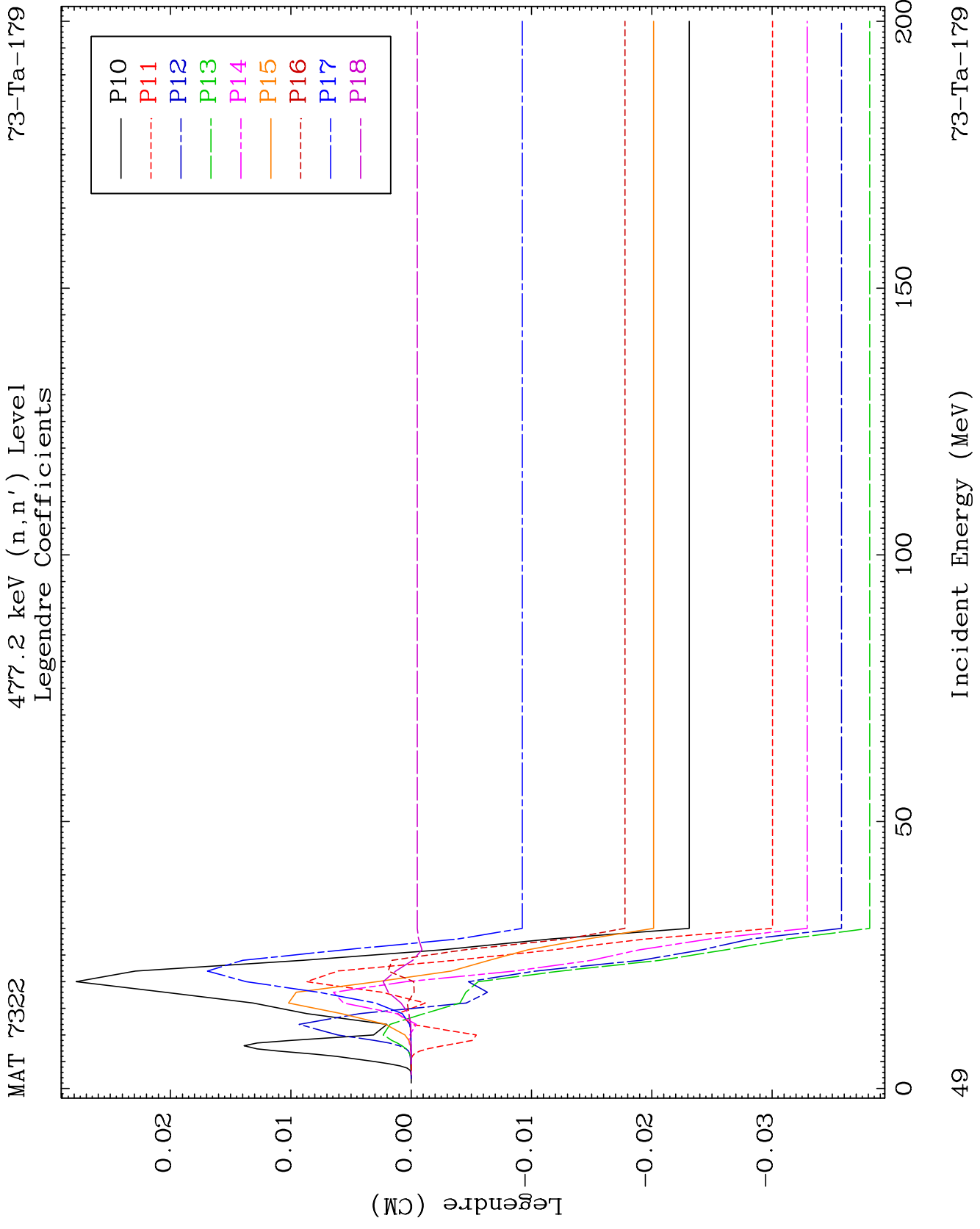
73-Ta-179

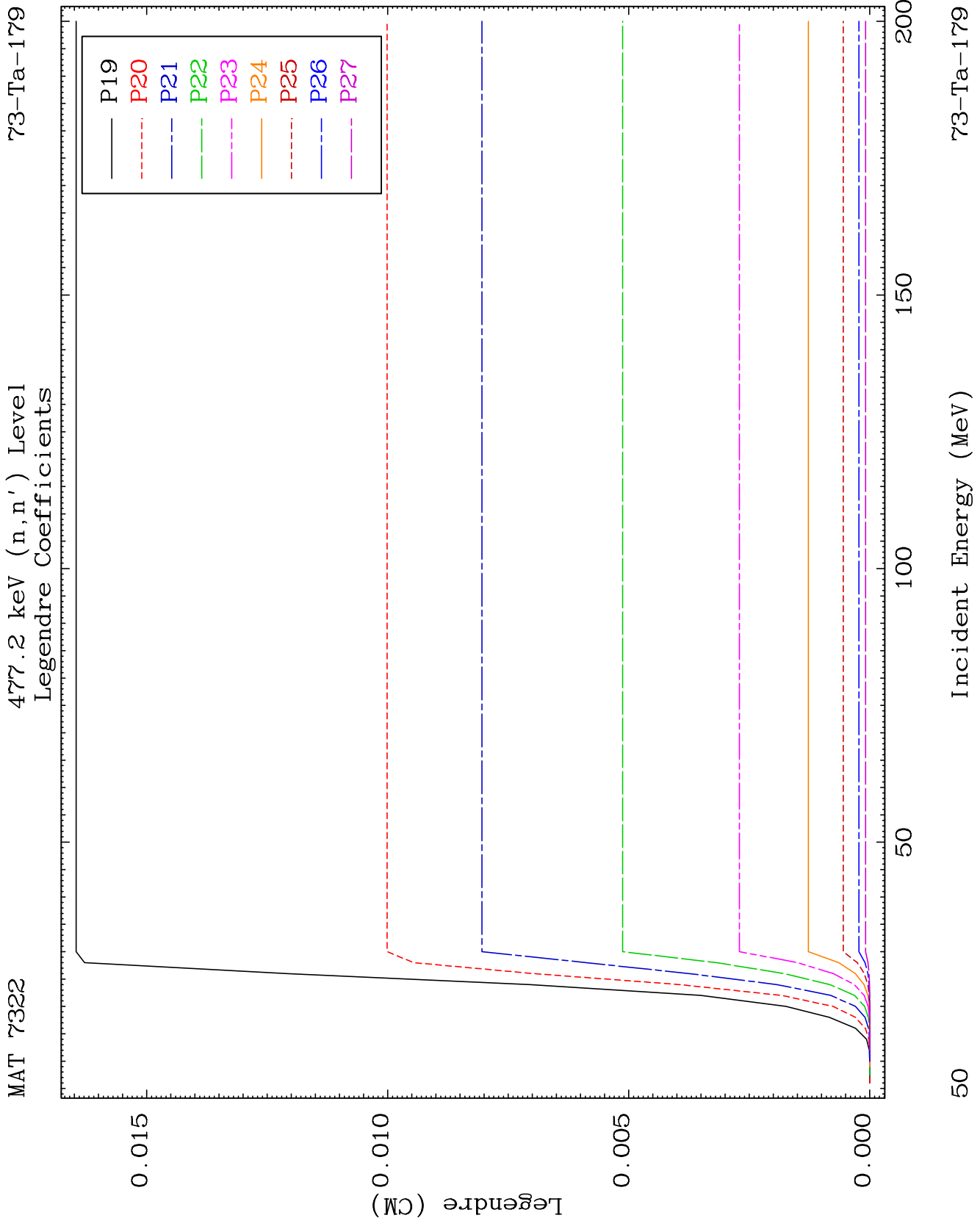
MAT 7322

477.2 keV (n,n') Level
Legendre Coefficients

73-Ta-179



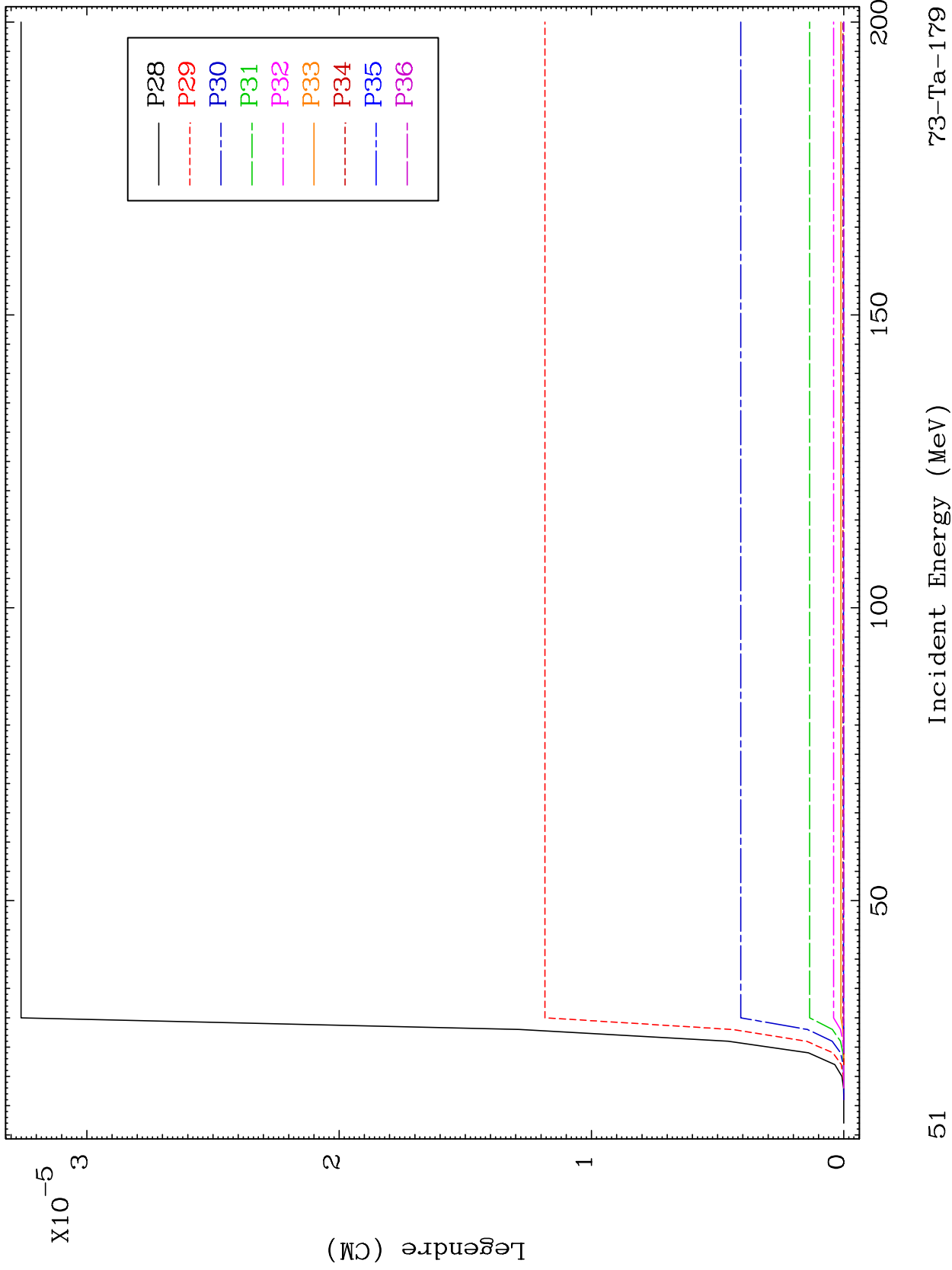




MAT 7322

477.2 keV (n,n') Level
Legendre Coefficients

73-Ta-179



51

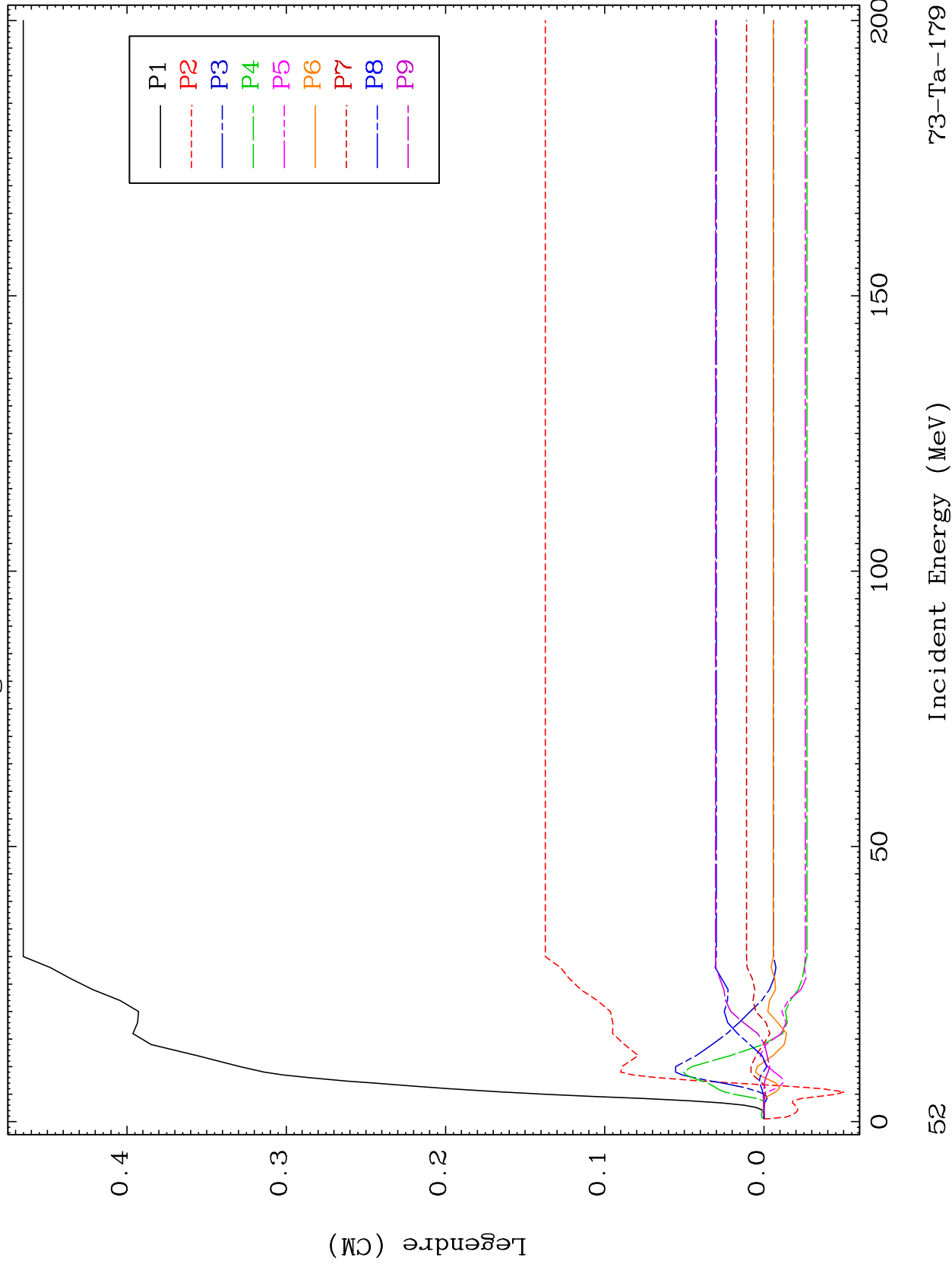
Incident Energy (MeV)

73-Ta-179

MAT 7322

481.3 keV (n,n') Level
Legendre Coefficients

73-Ta-179



52

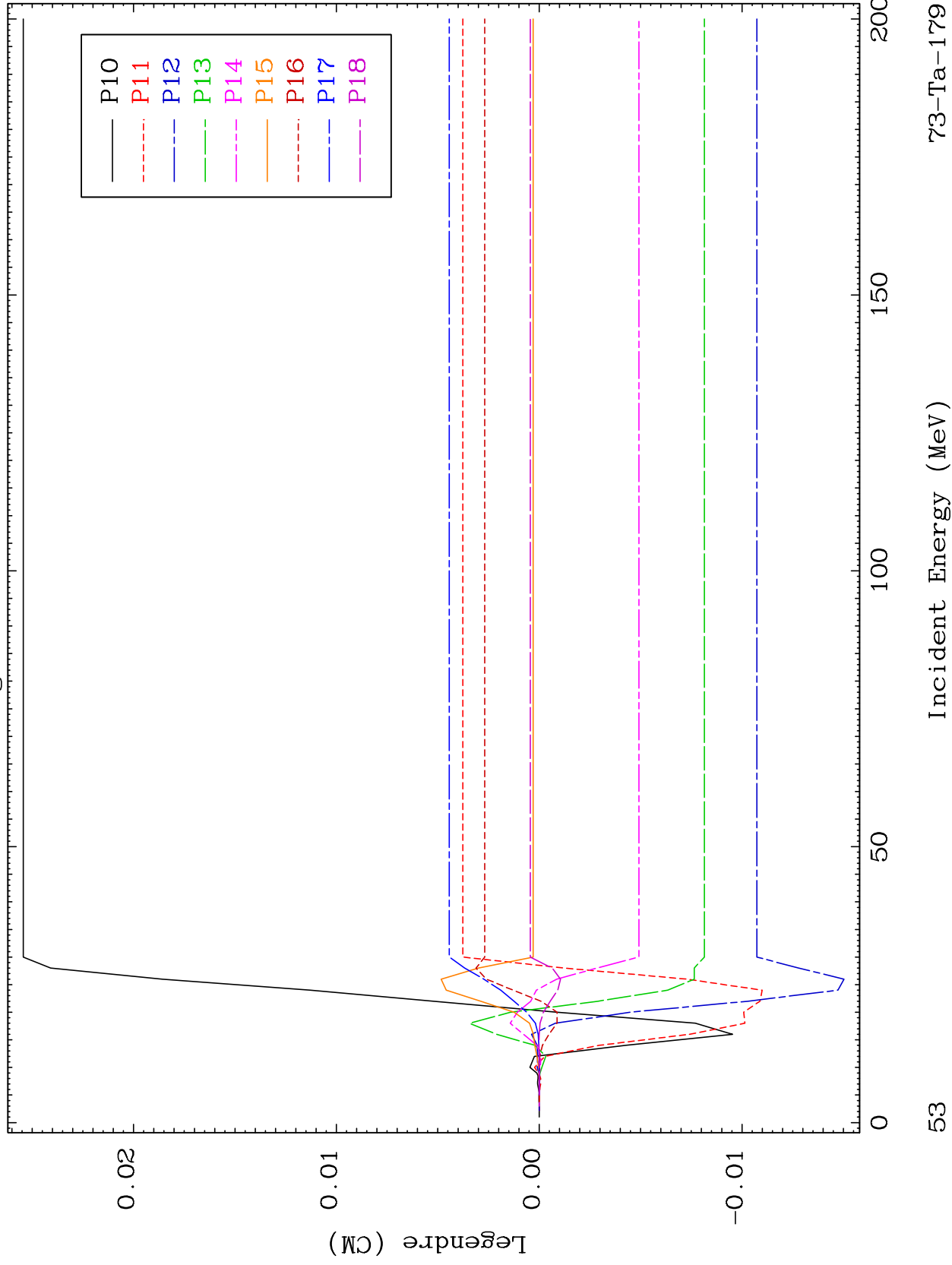
Incident Energy (MeV)

73-Ta-179

MAT 7322

481.3 keV (n,n') Level
Legendre Coefficients

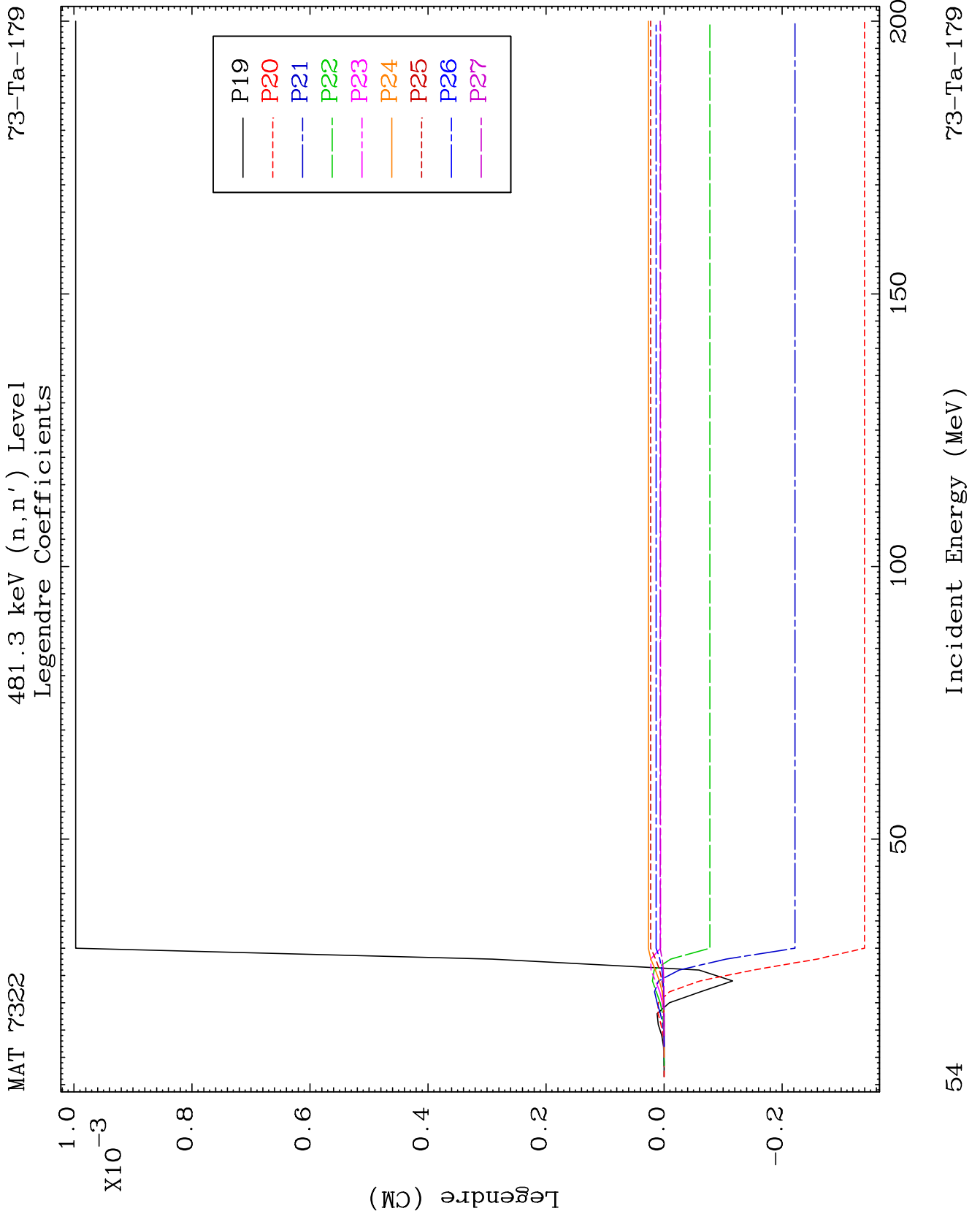
73-Ta-179

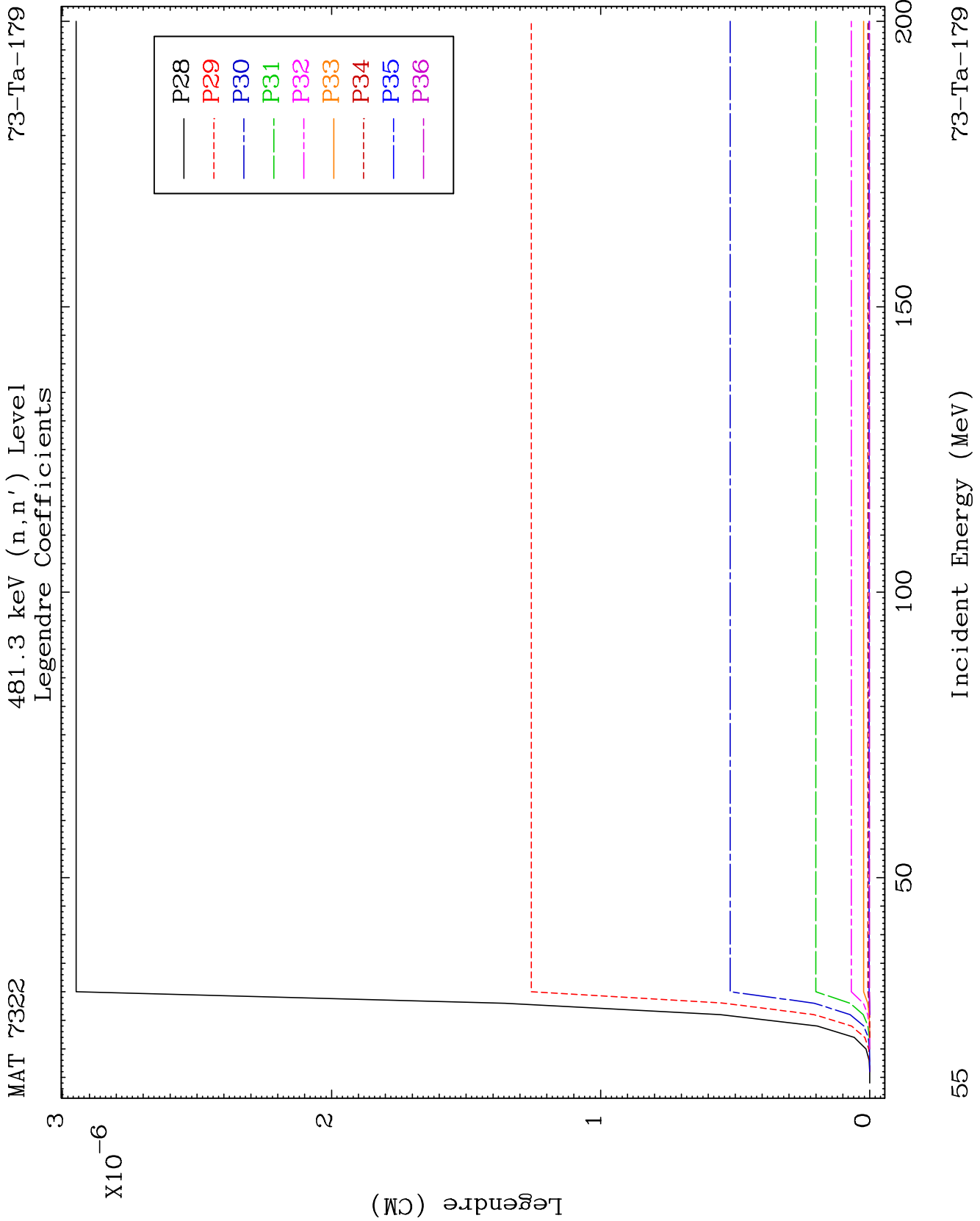


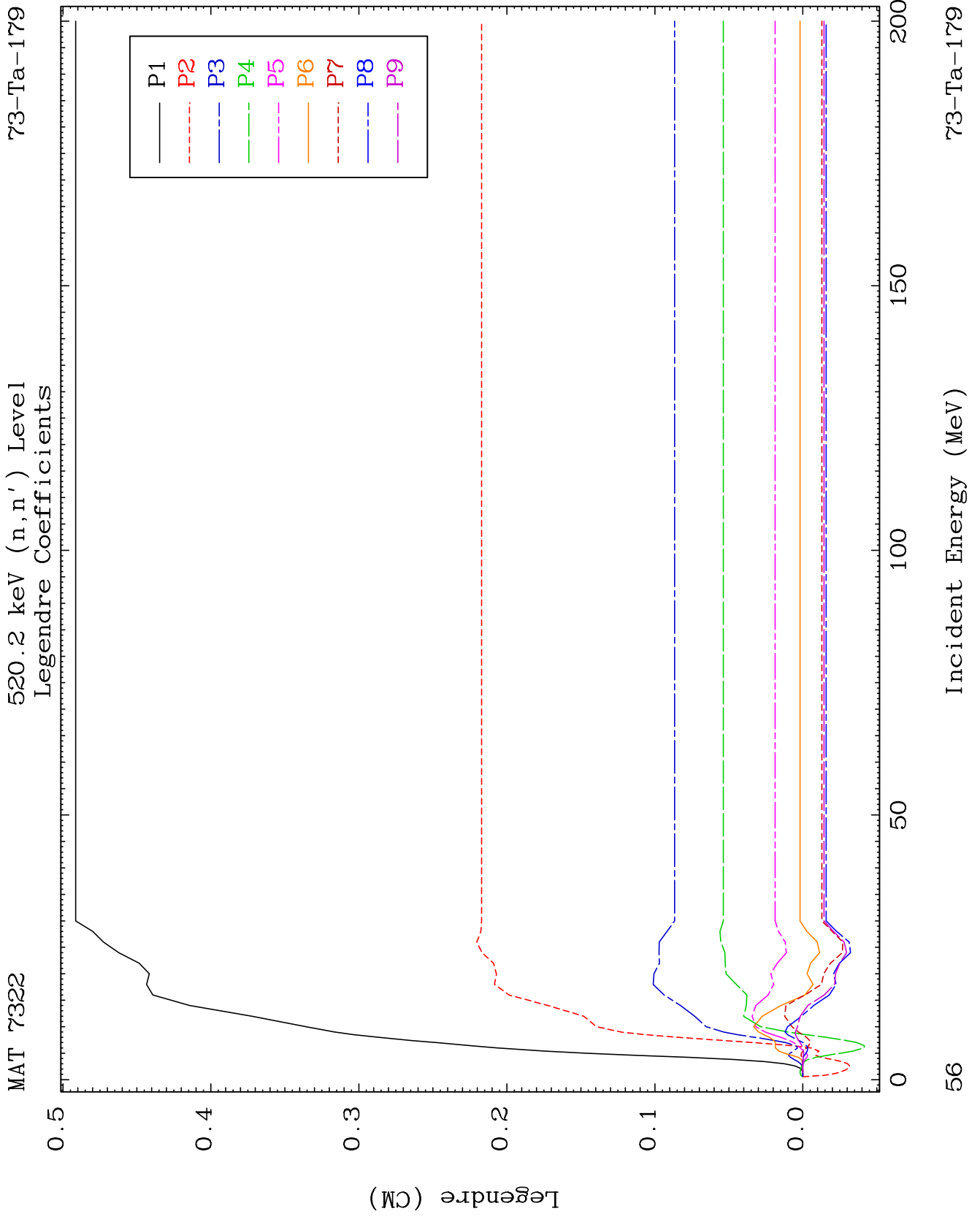
53

Incident Energy (MeV)

73-Ta-179



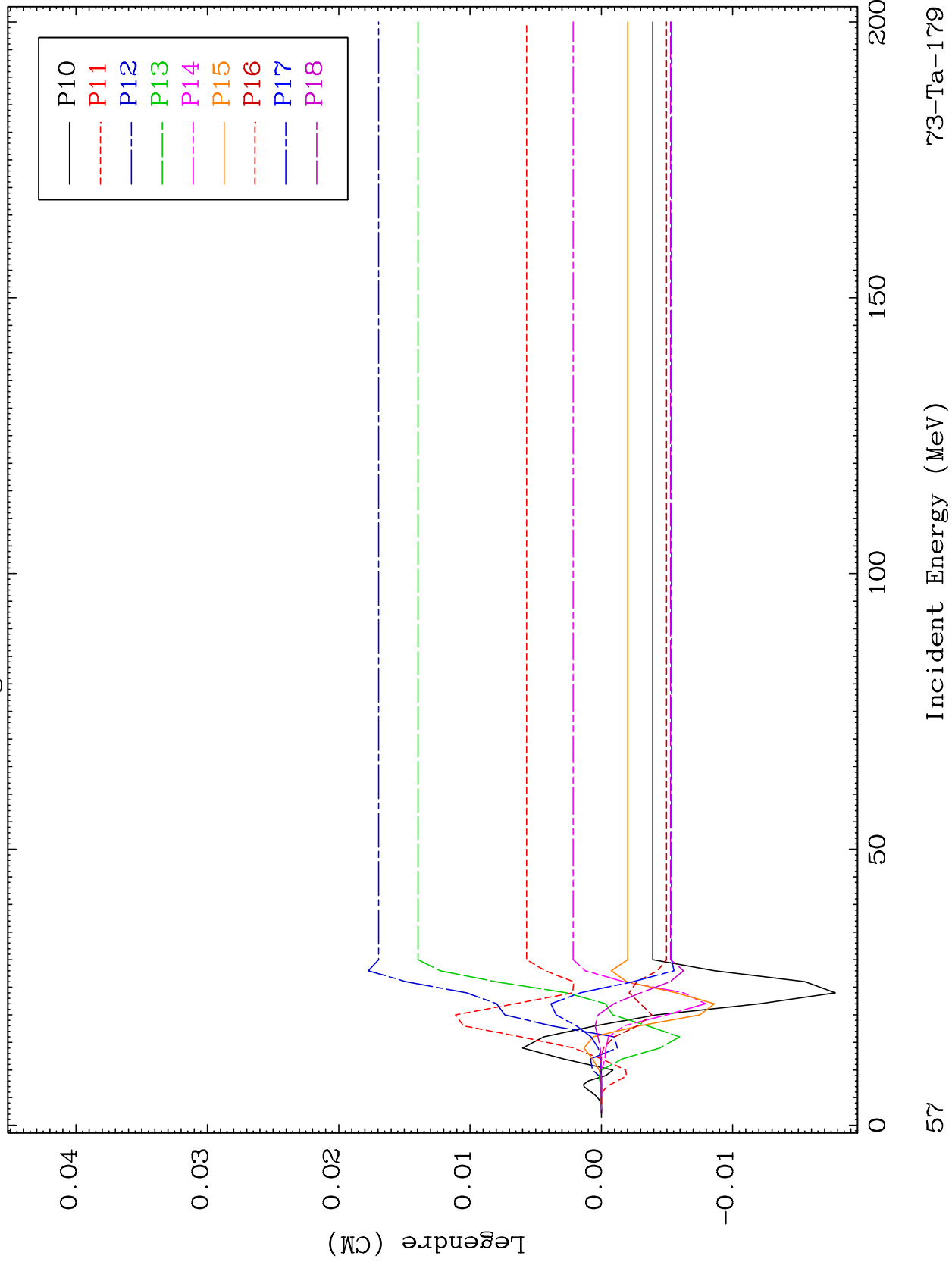




MAT 7322

520.2 keV (n,n') Level
Legendre Coefficients

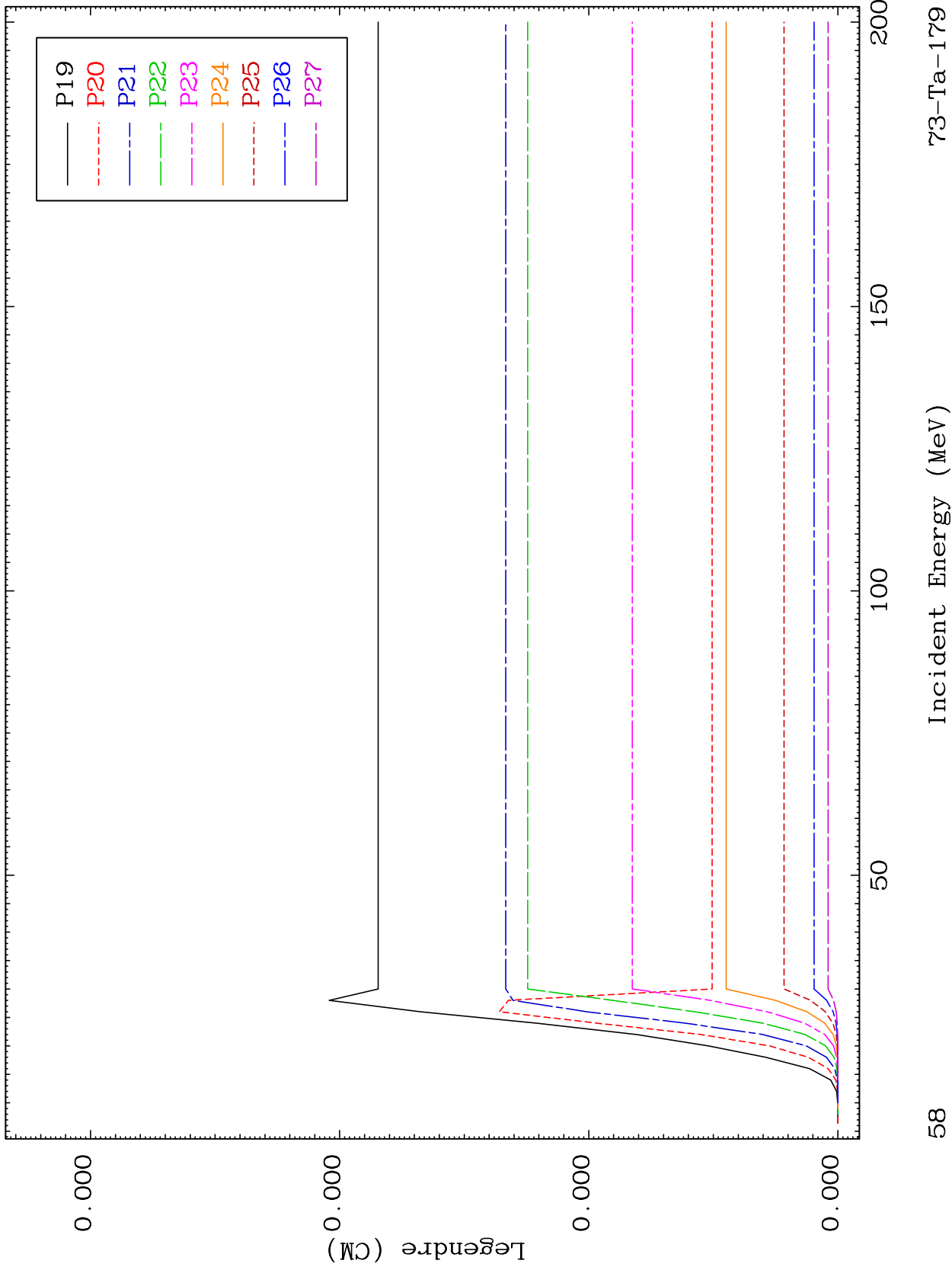
73-Ta-179

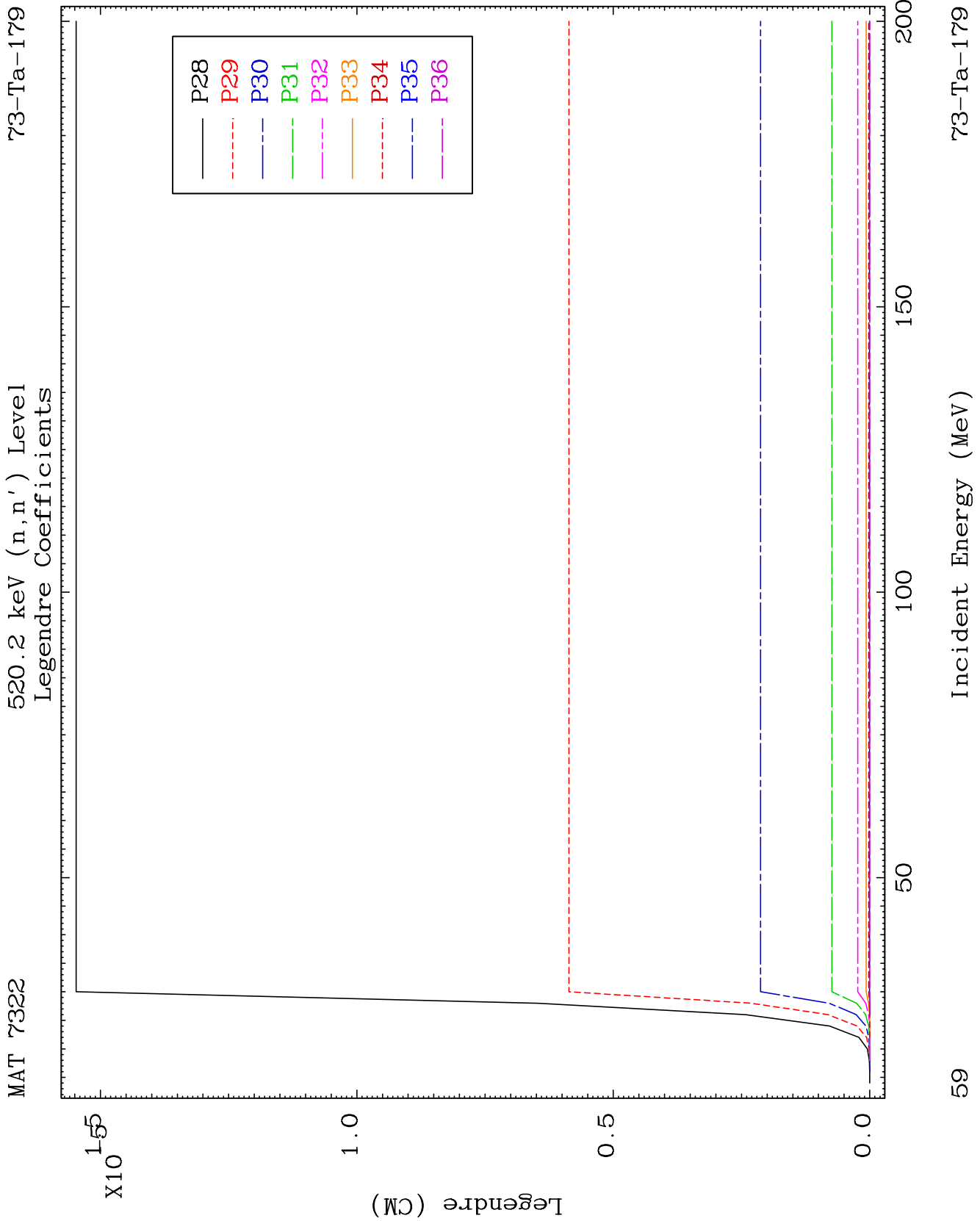


73-Ta-179

Incident Energy (MeV)

57

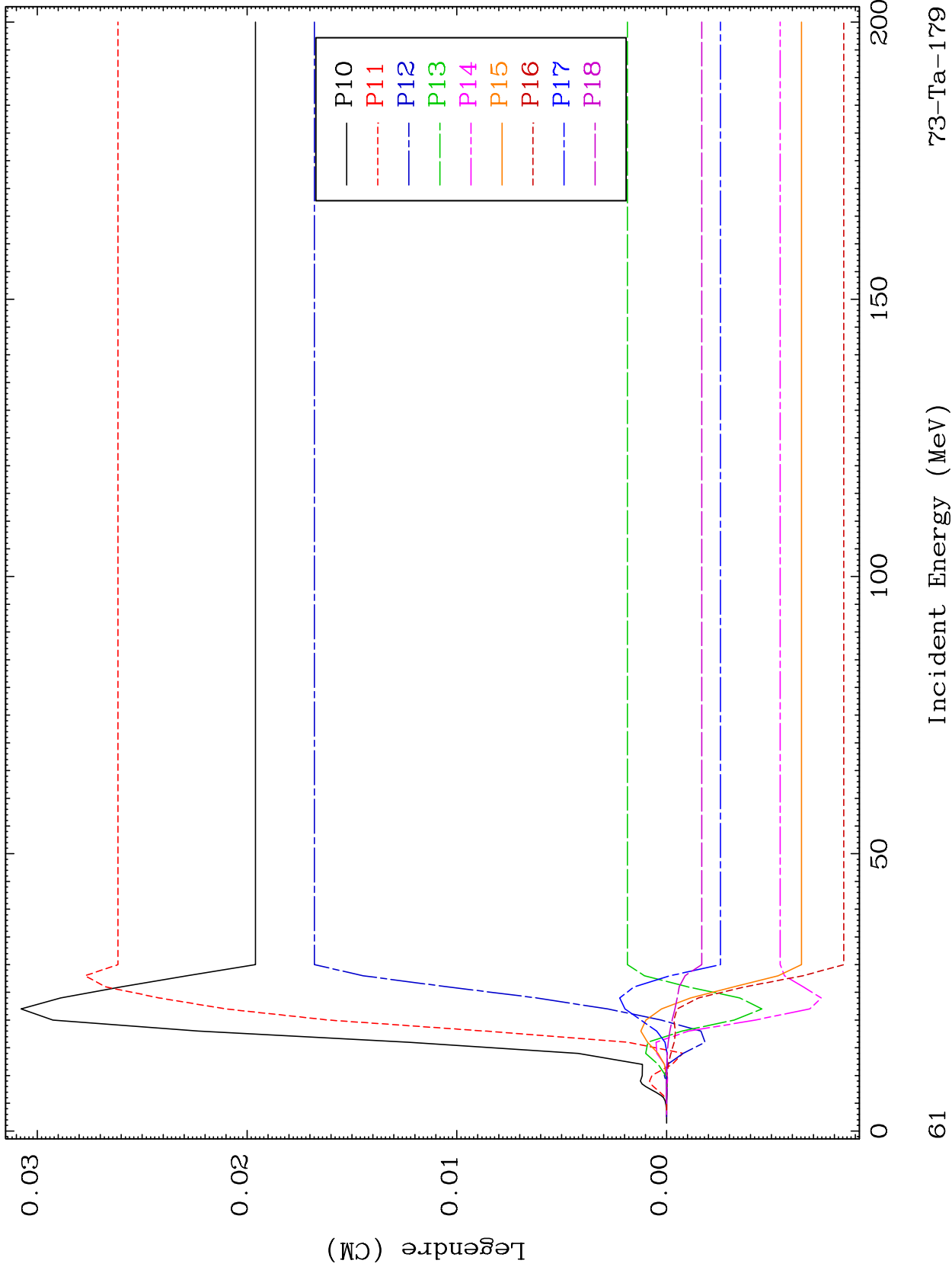




MAT 7322

527.5 keV (n,n') Level
Legendre Coefficients

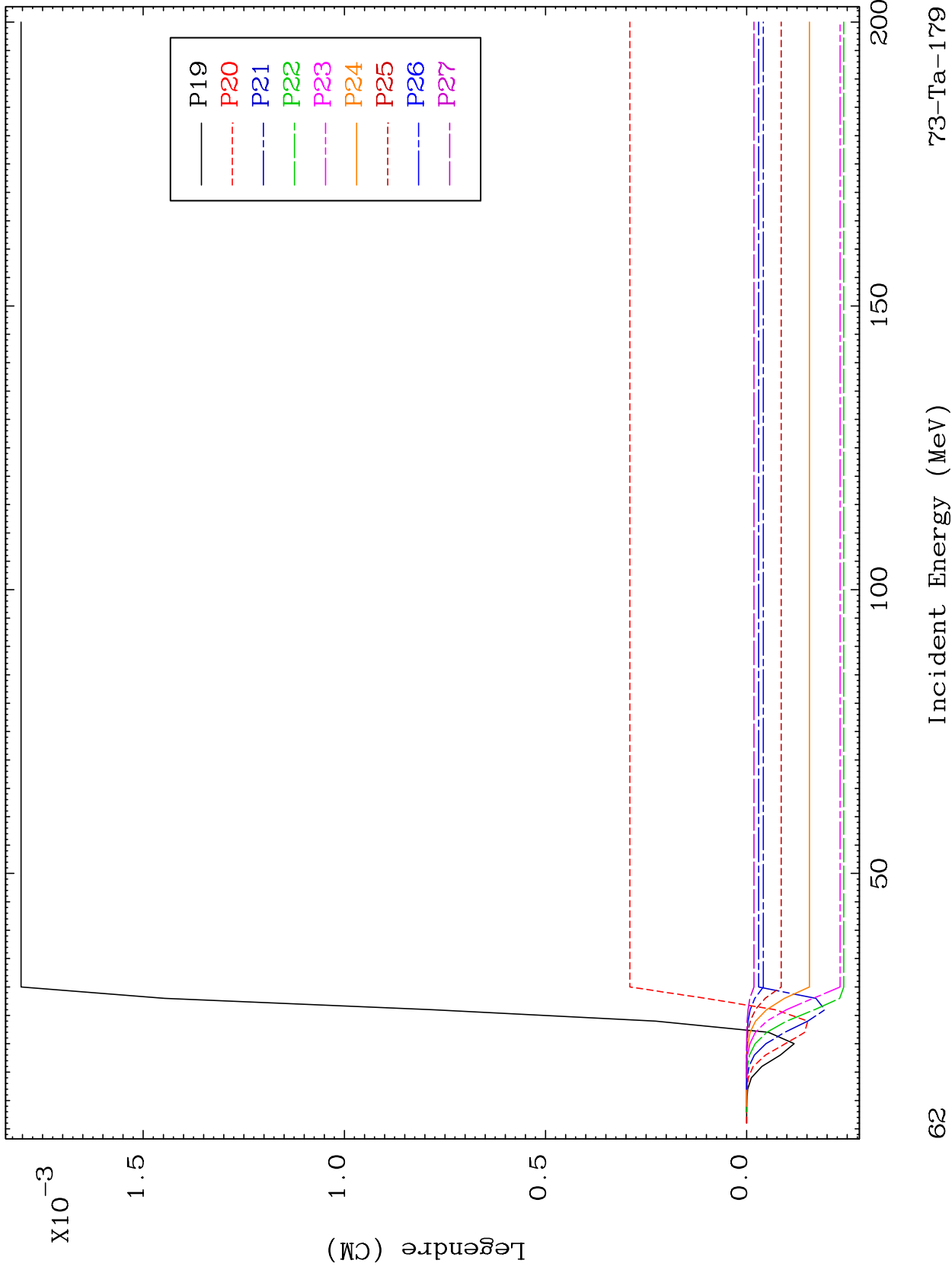
73-Ta-179

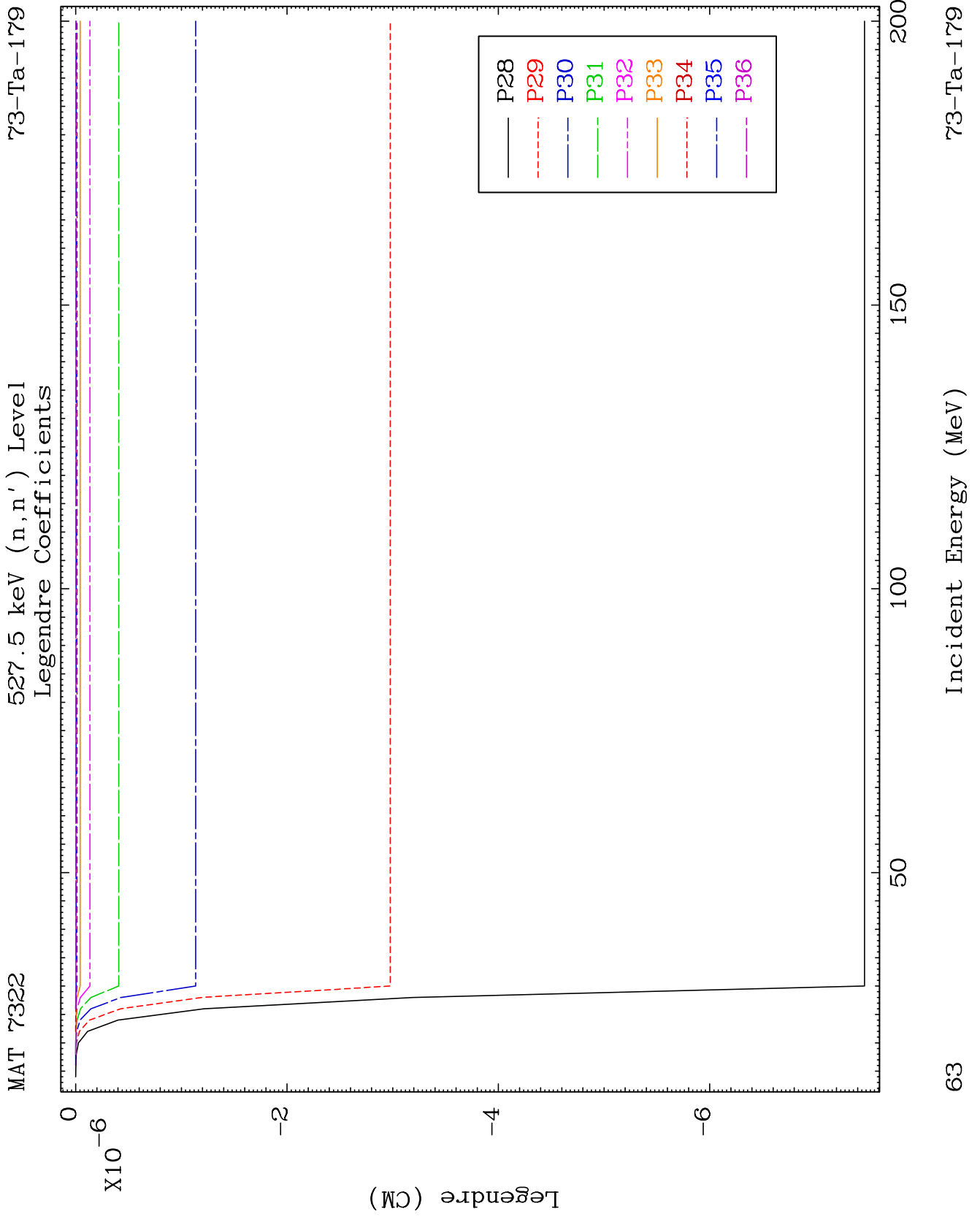


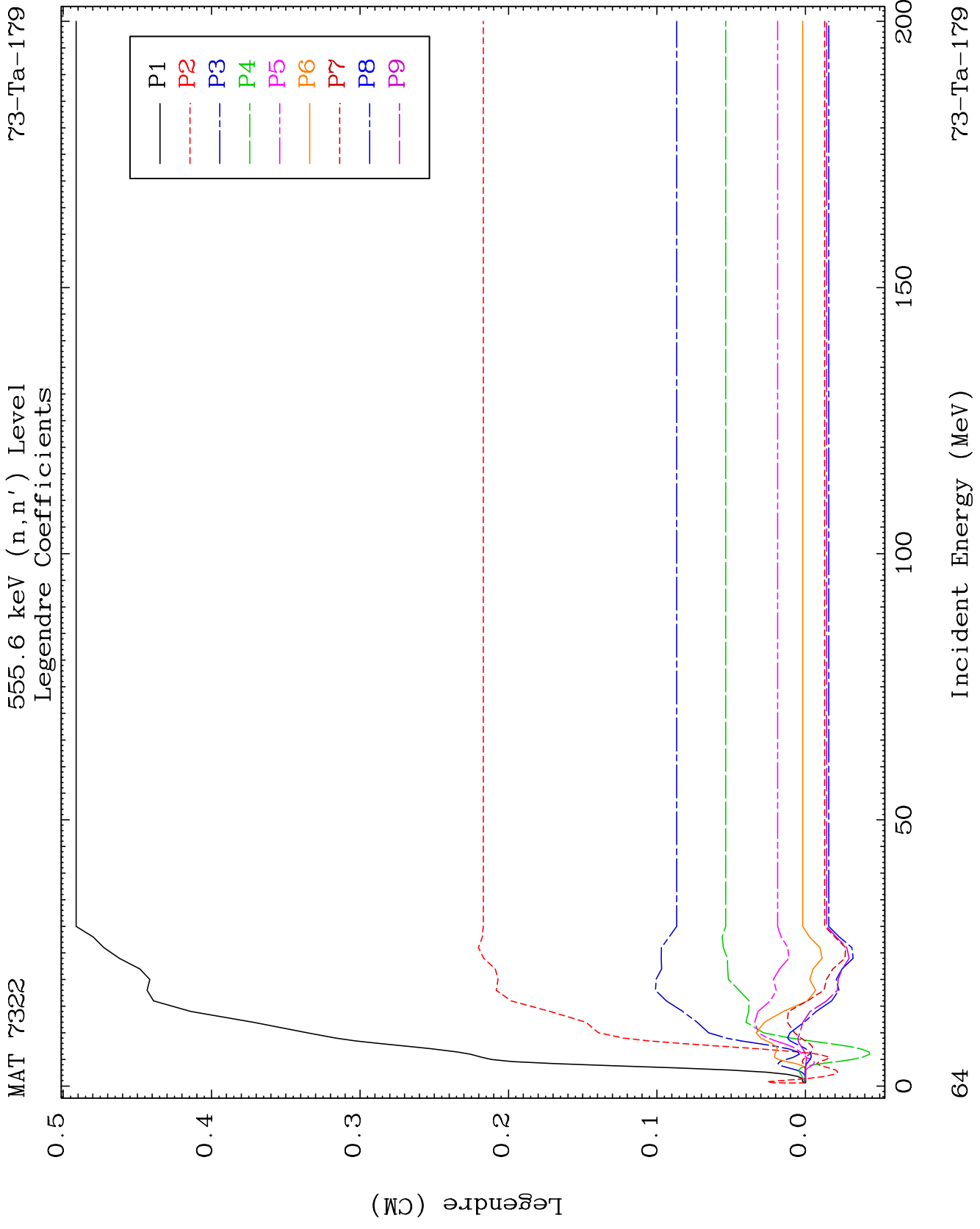
61

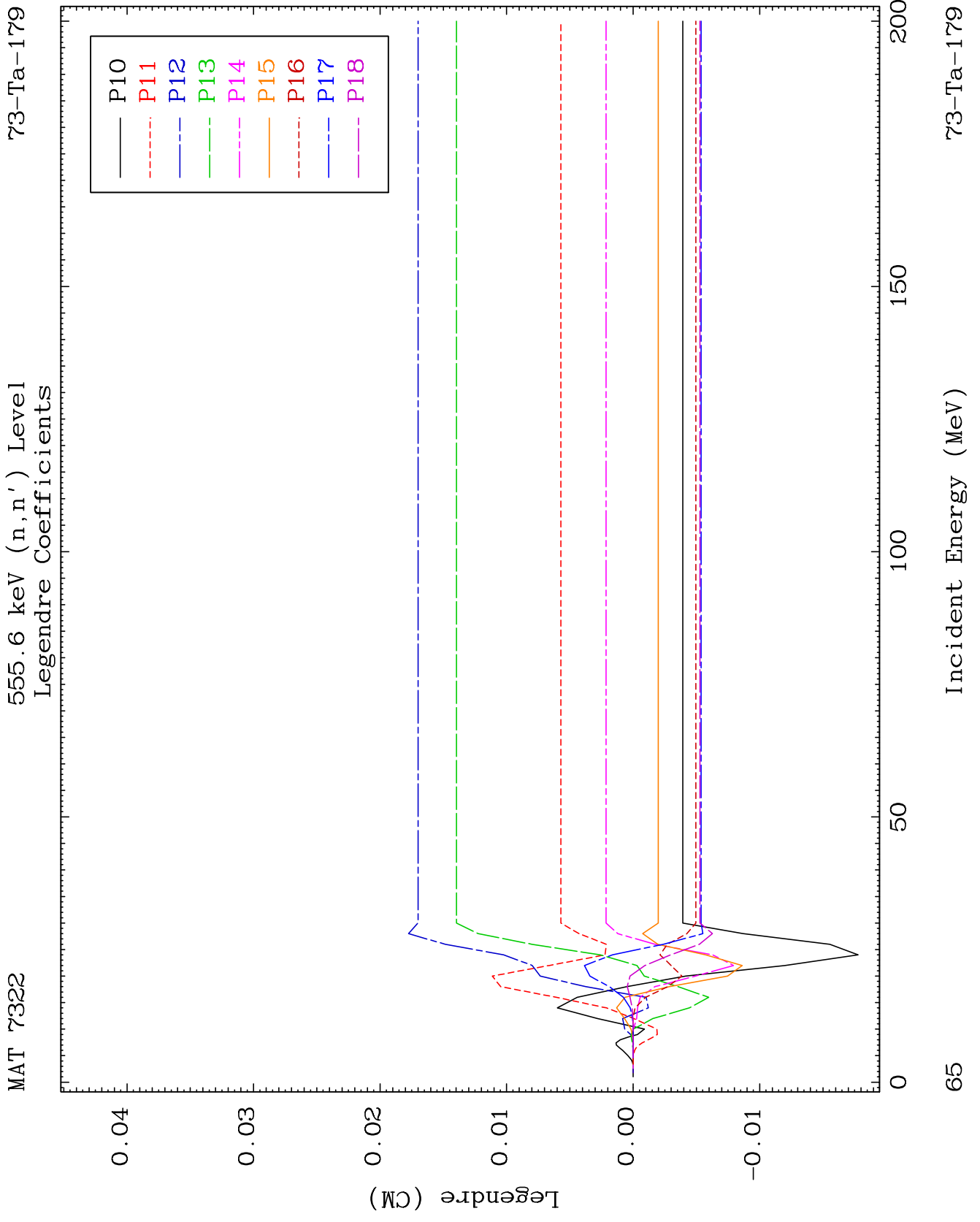
Incident Energy (MeV)

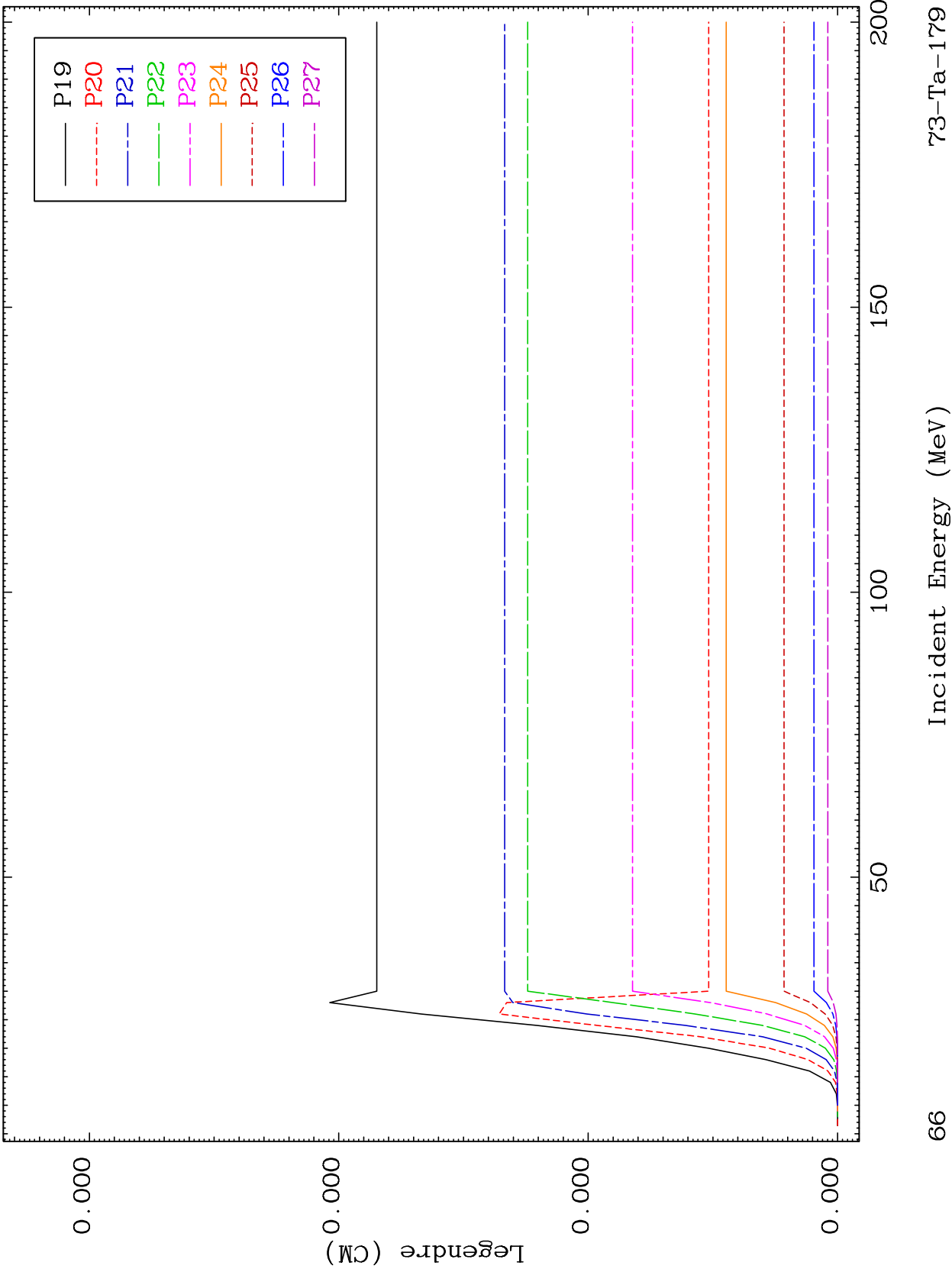
73-Ta-179

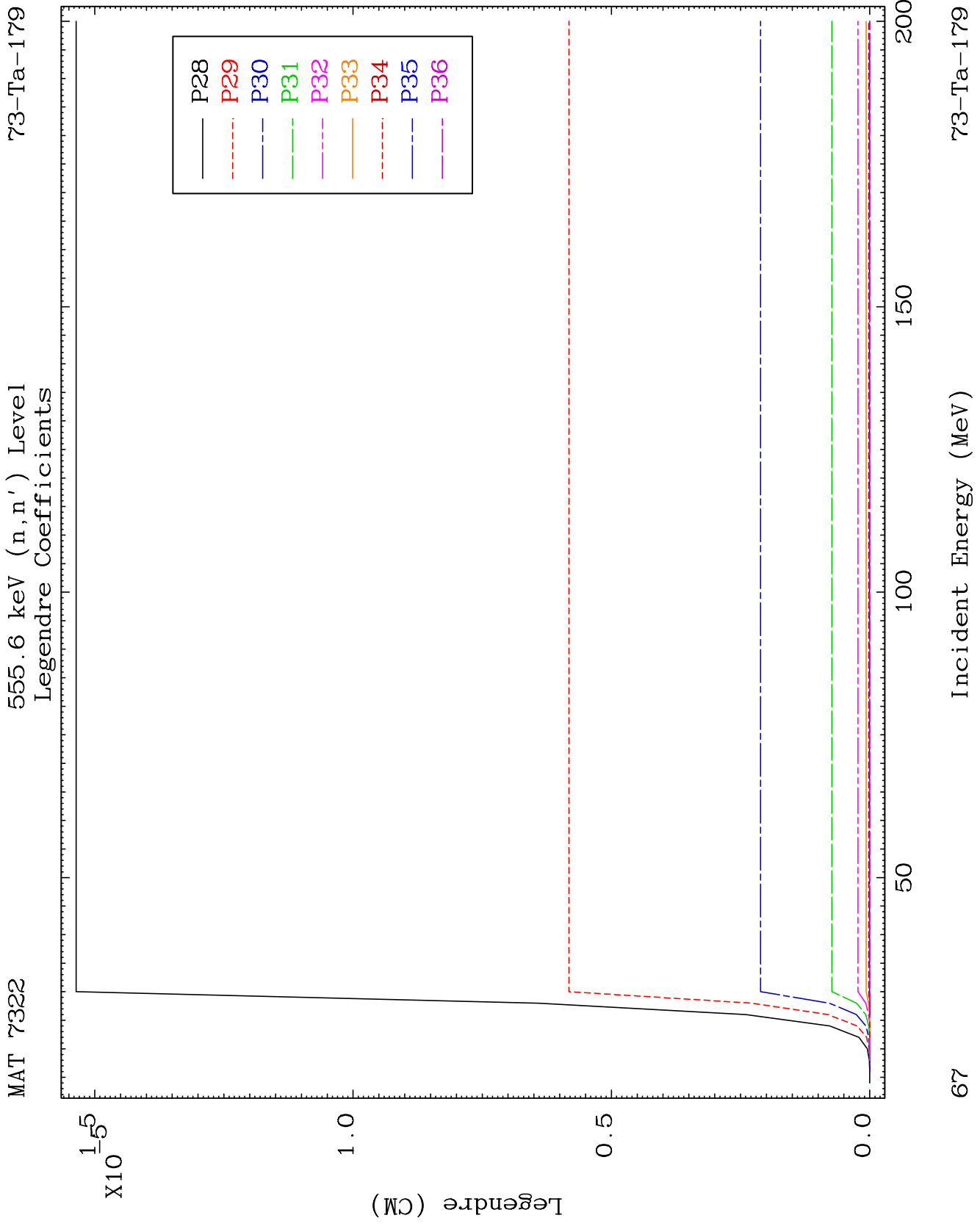


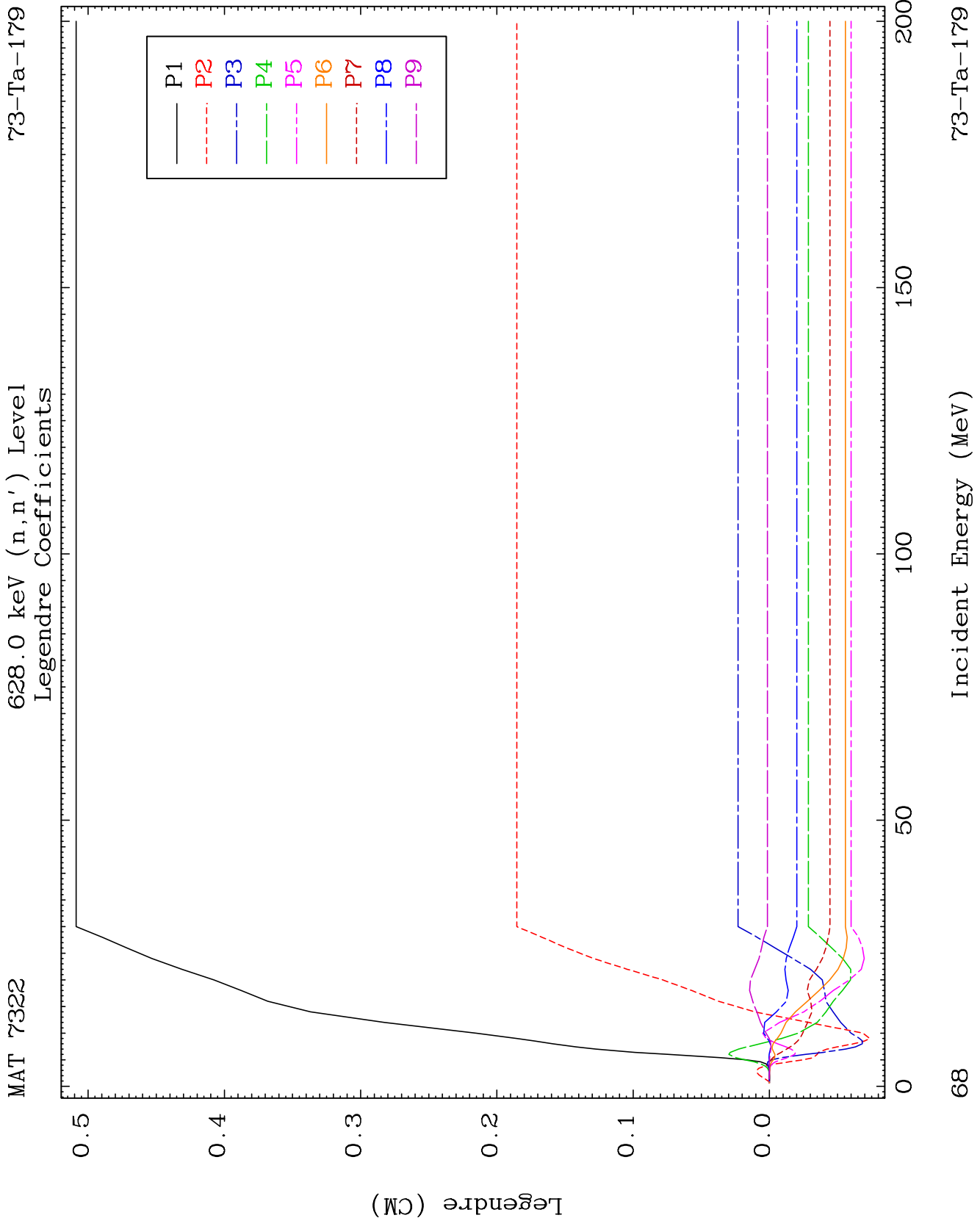


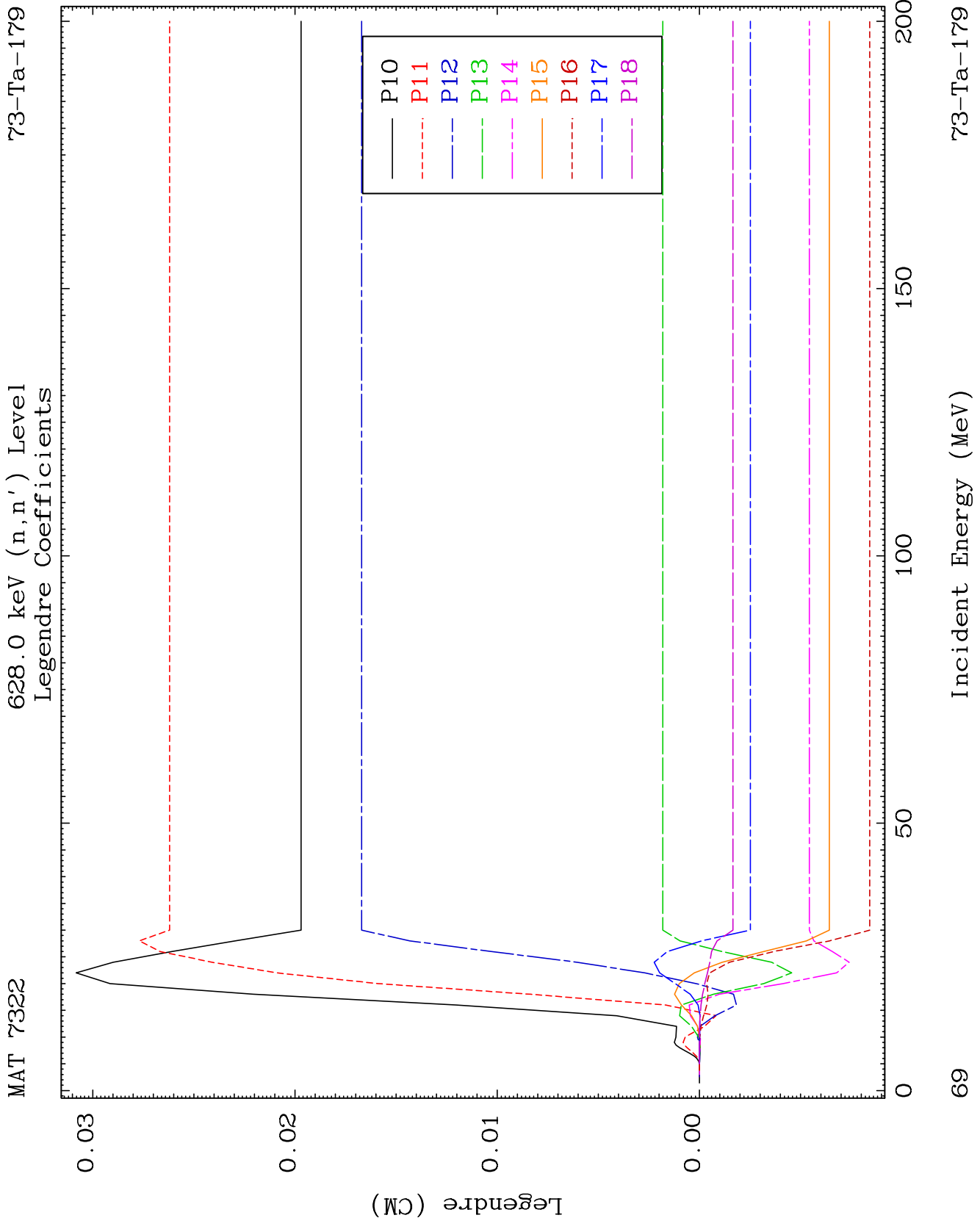








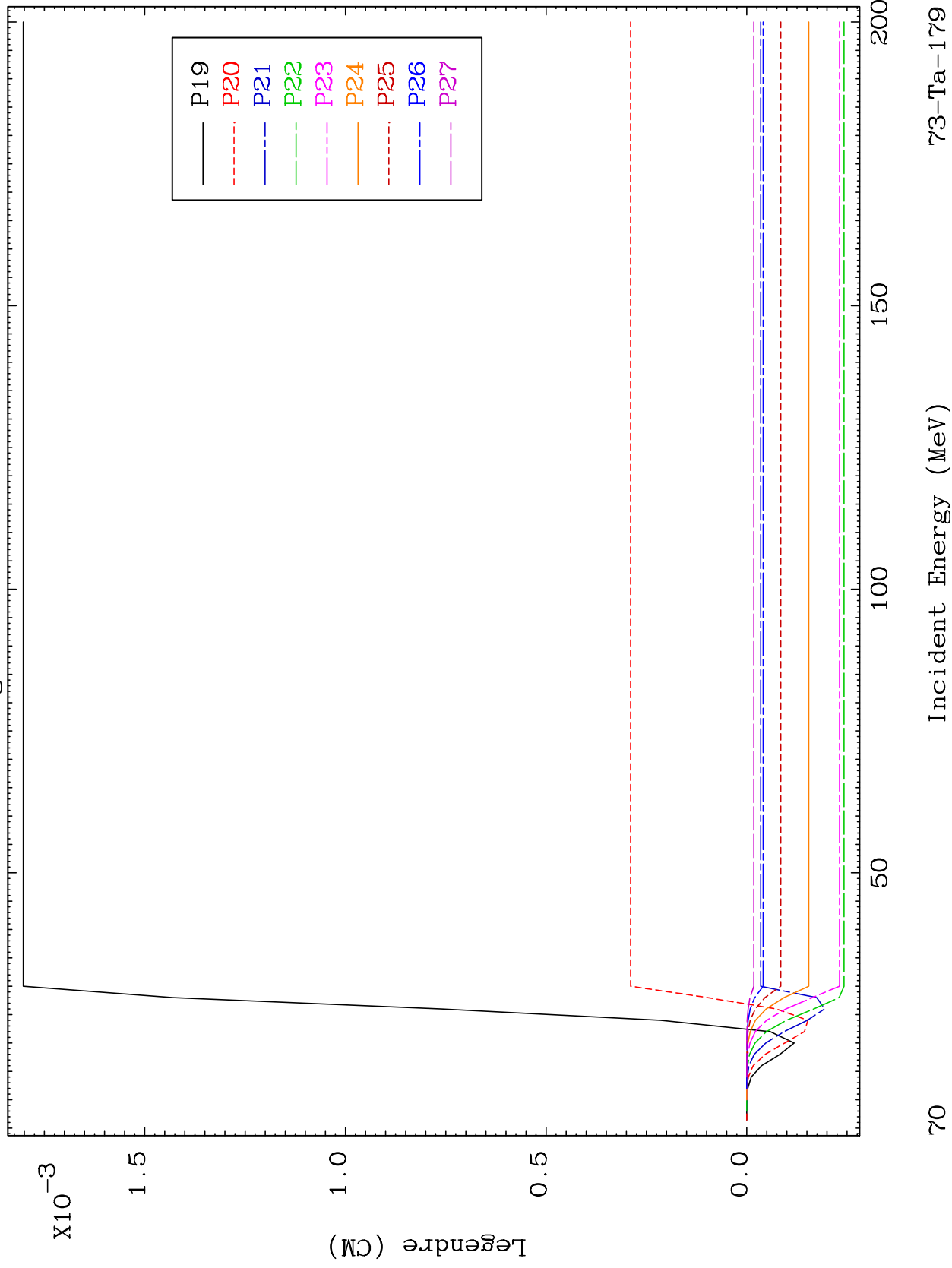




MAT 7322

628.0 keV (n,n') Level
Legendre Coefficients

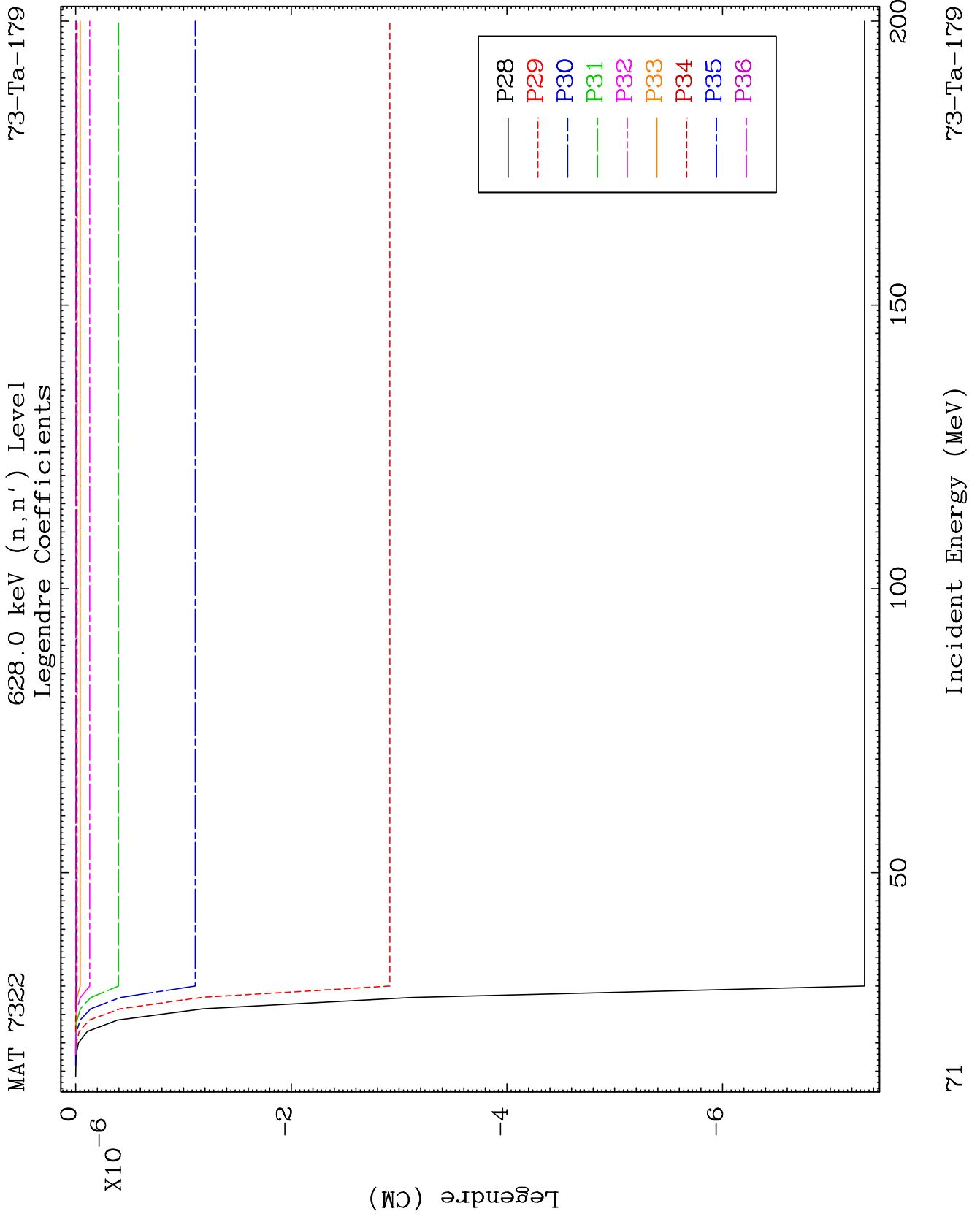
73-Ta-179



70

Incident Energy (MeV)

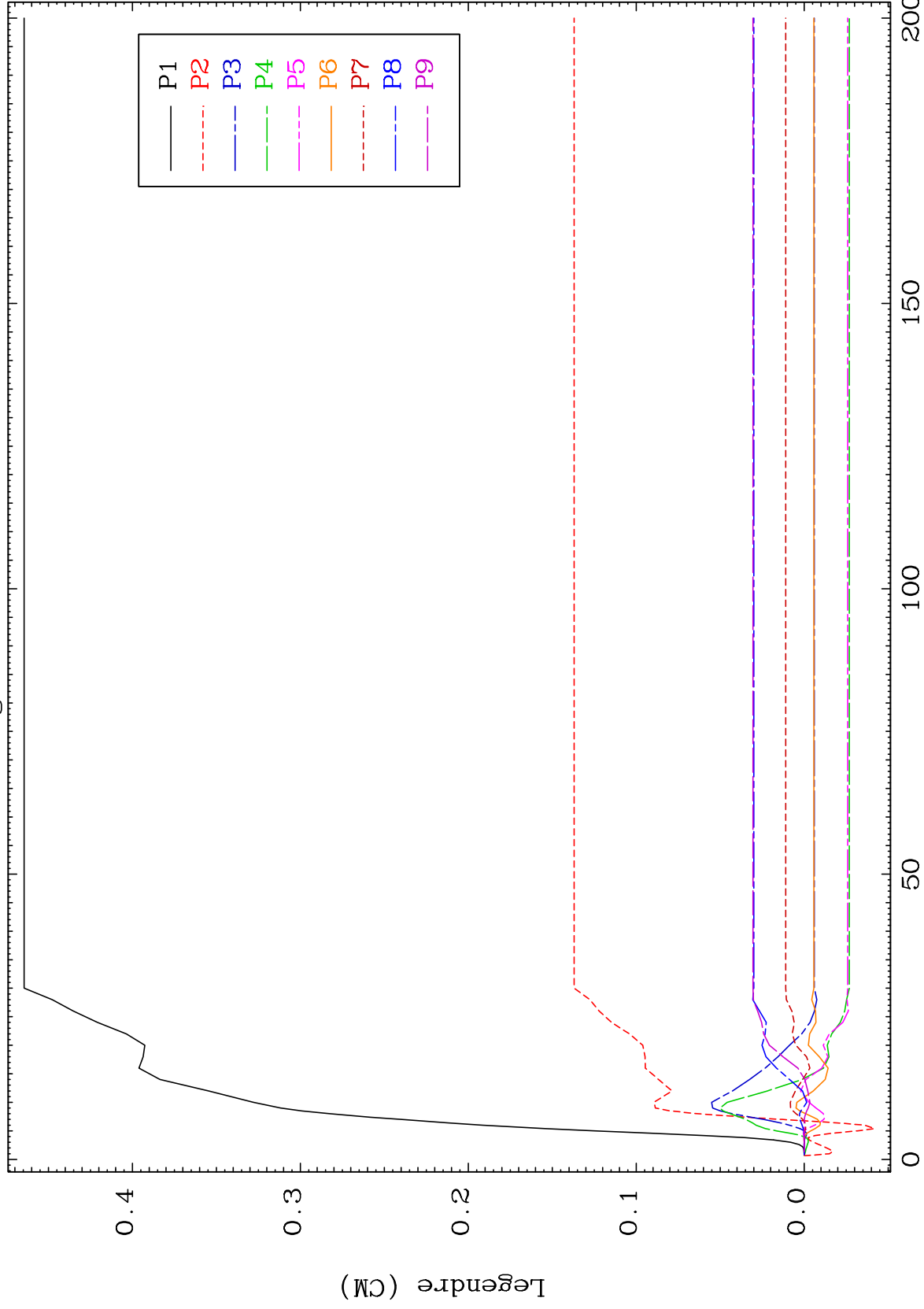
73-Ta-179



MAT 7322

636.7 keV (n,n') Level
Legendre Coefficients

73-Ta-179



73-Ta-179

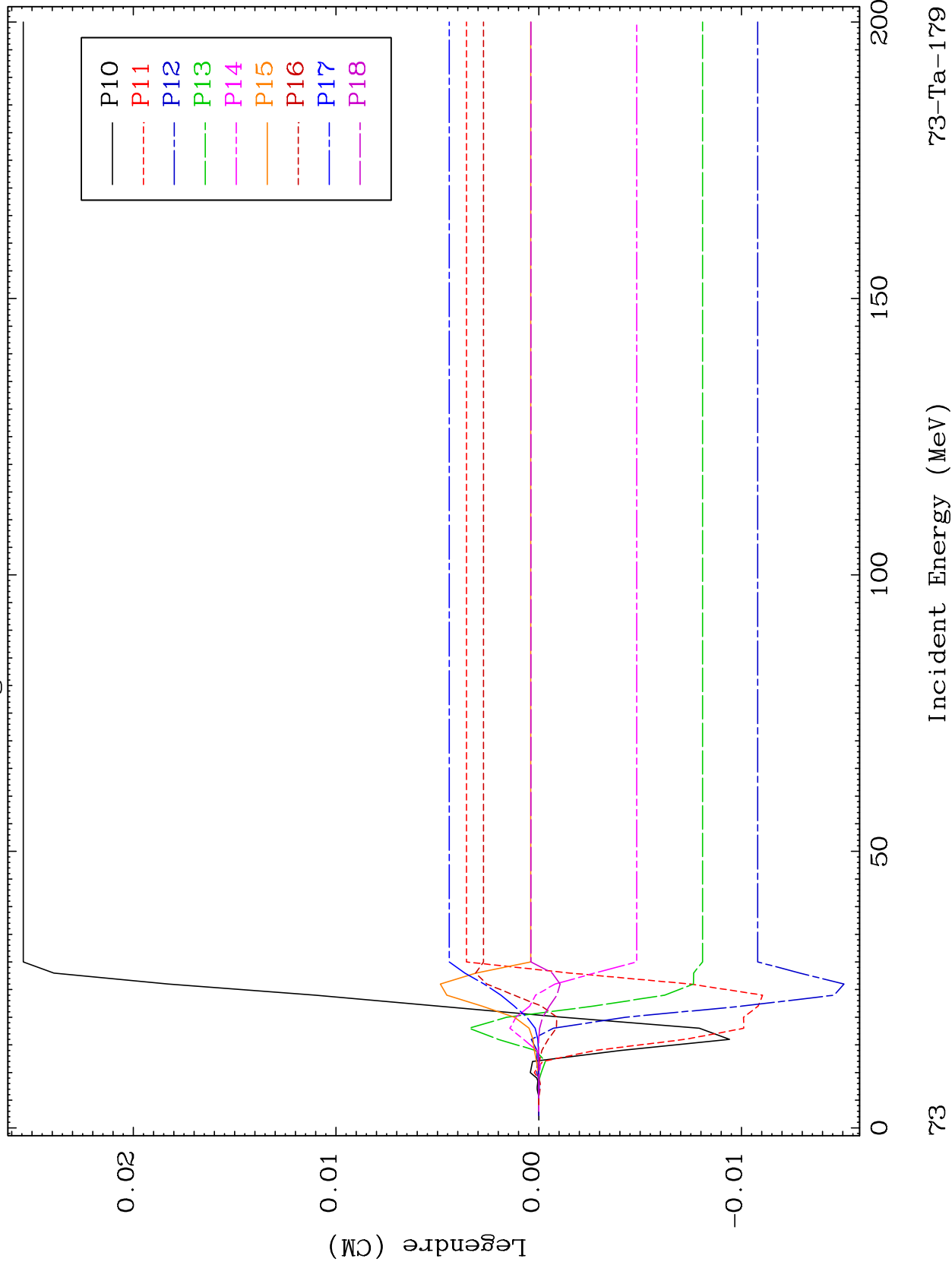
Incident Energy (MeV)

72

MAT 7322

636.7 keV (n,n') Level
Legendre Coefficients

73-Ta-179



73-Ta-179

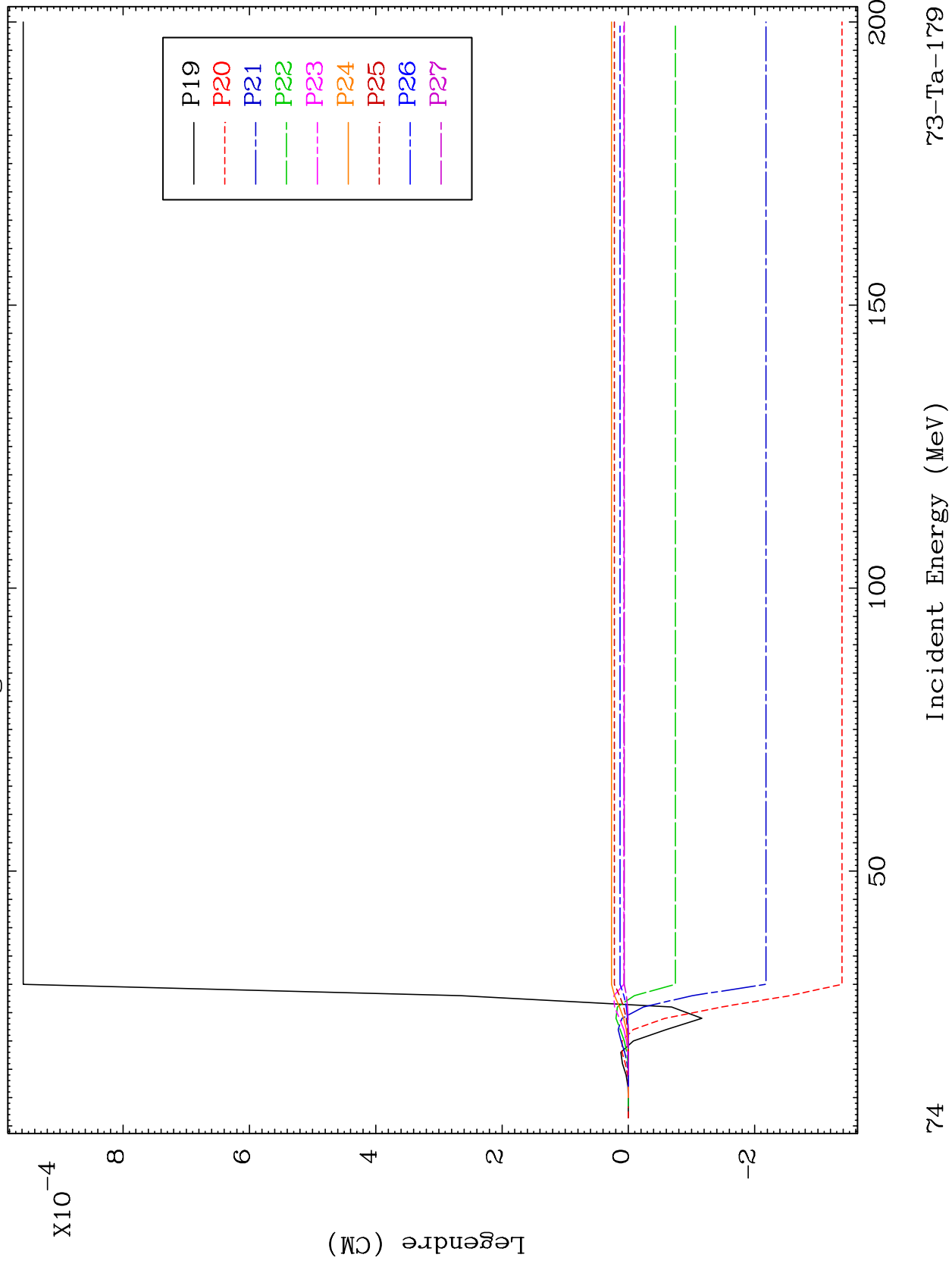
Incident Energy (MeV)

73

MAT 7322

636.7 keV (n,n') Level
Legendre Coefficients

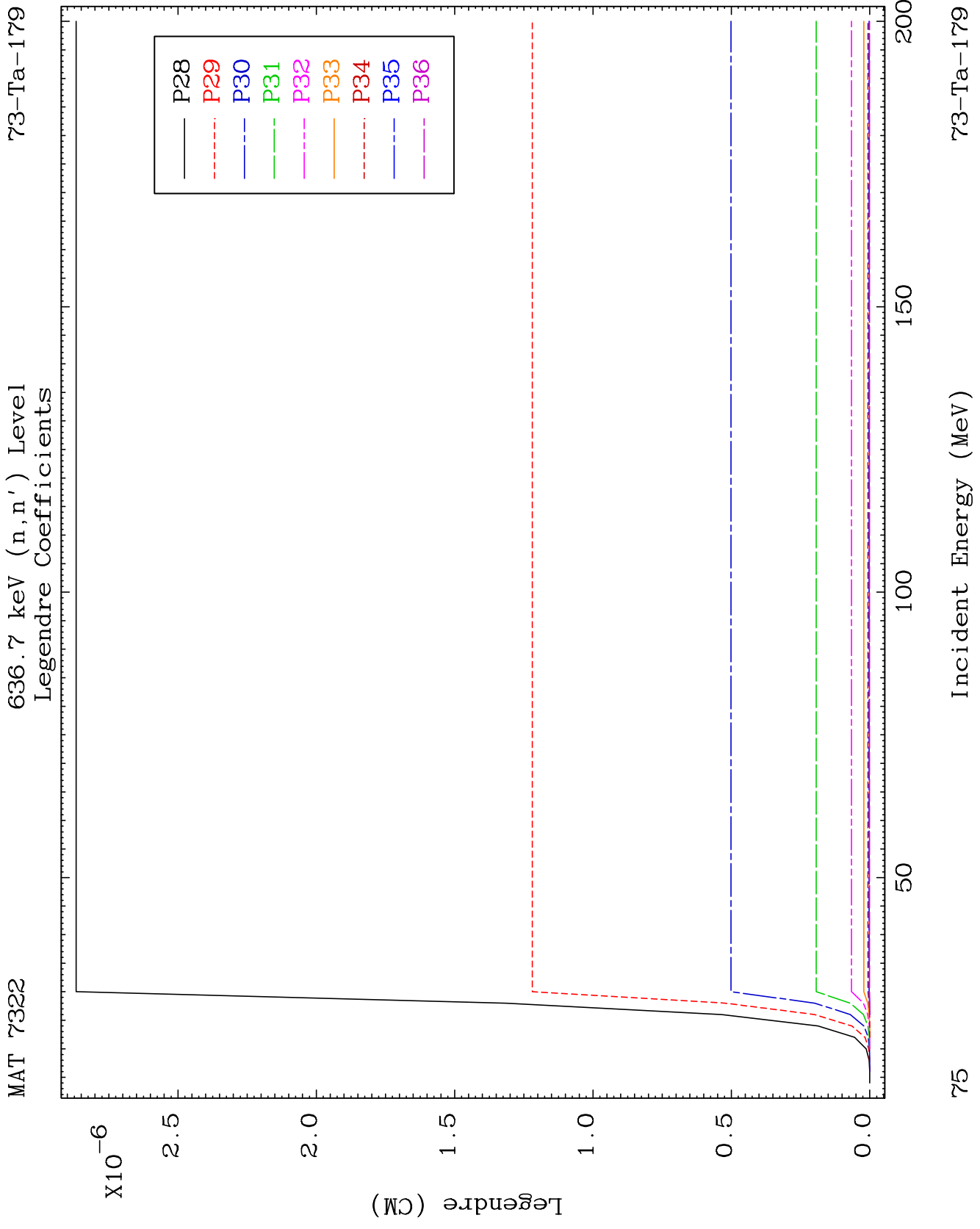
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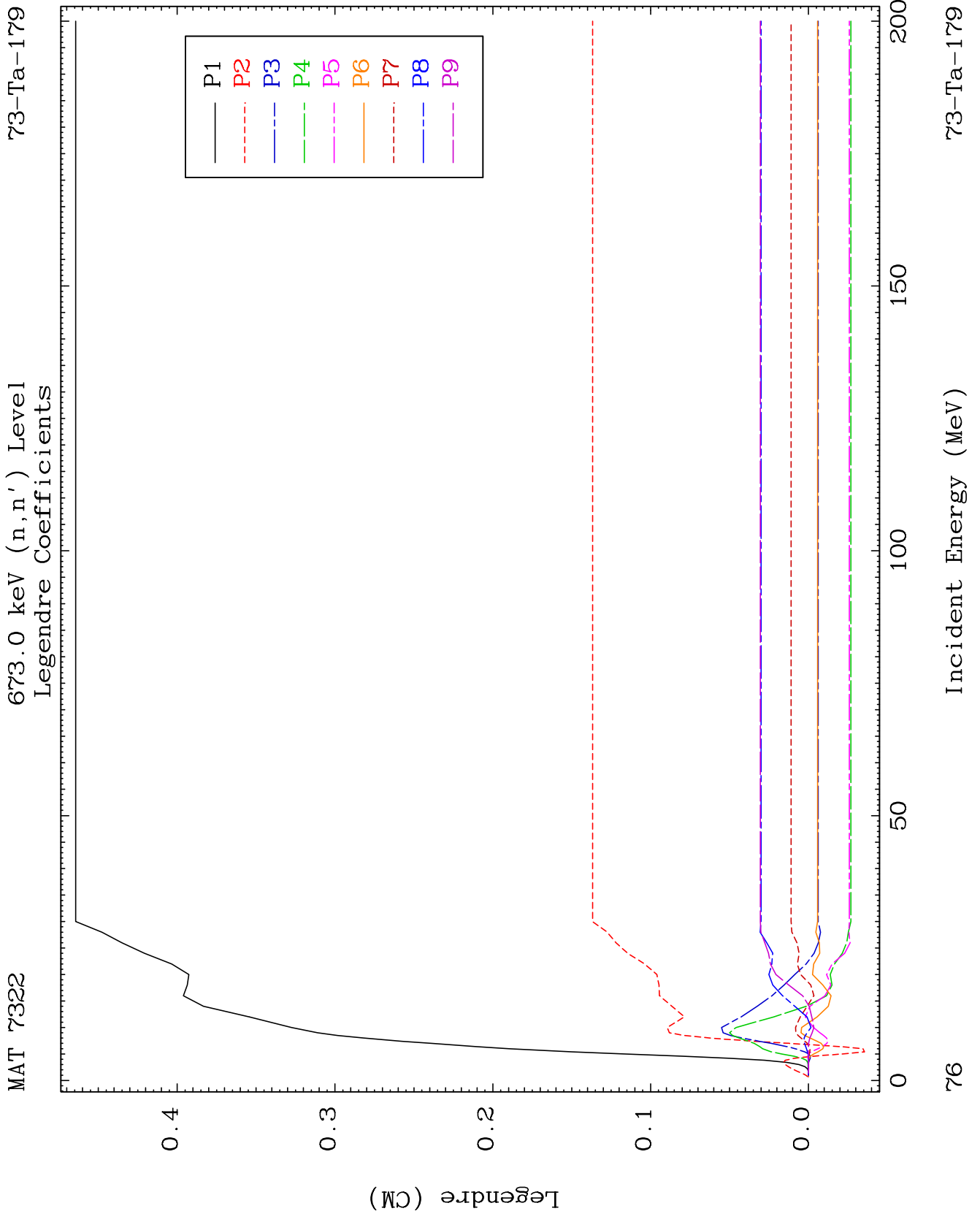


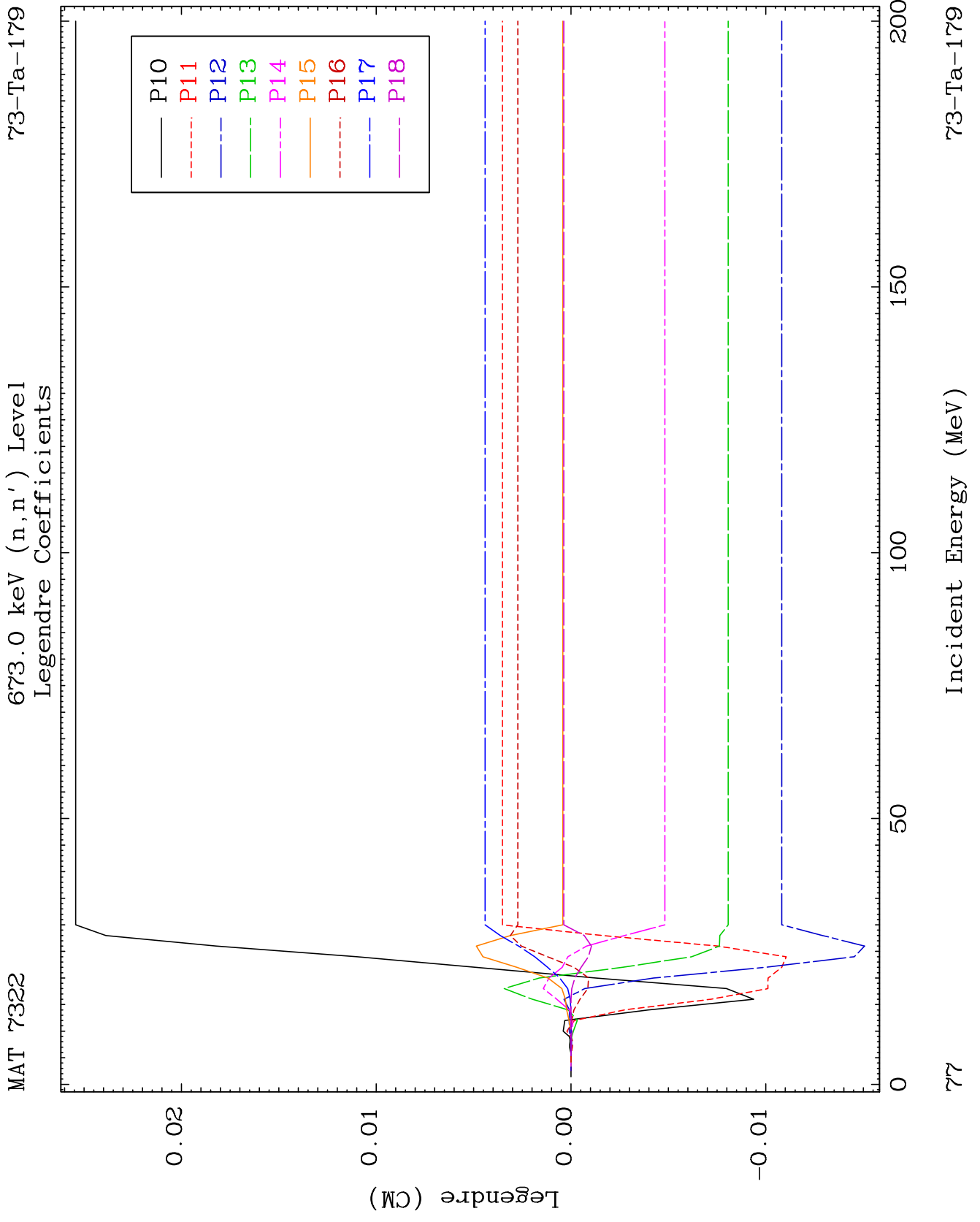
74

Incident Energy (MeV)

73-Ta-179



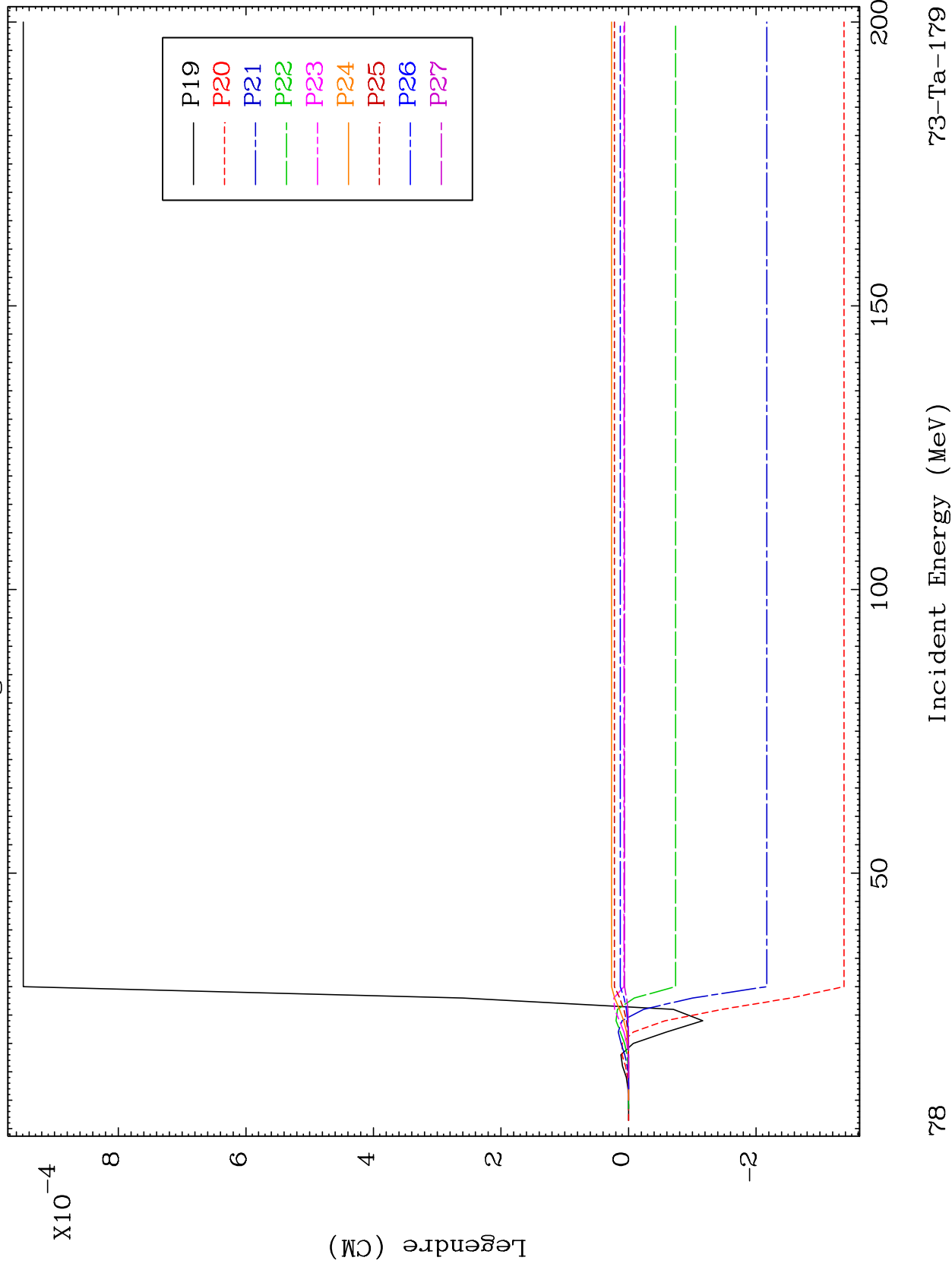




MAT 7322

673.0 keV (n,n') Level
Legendre Coefficients

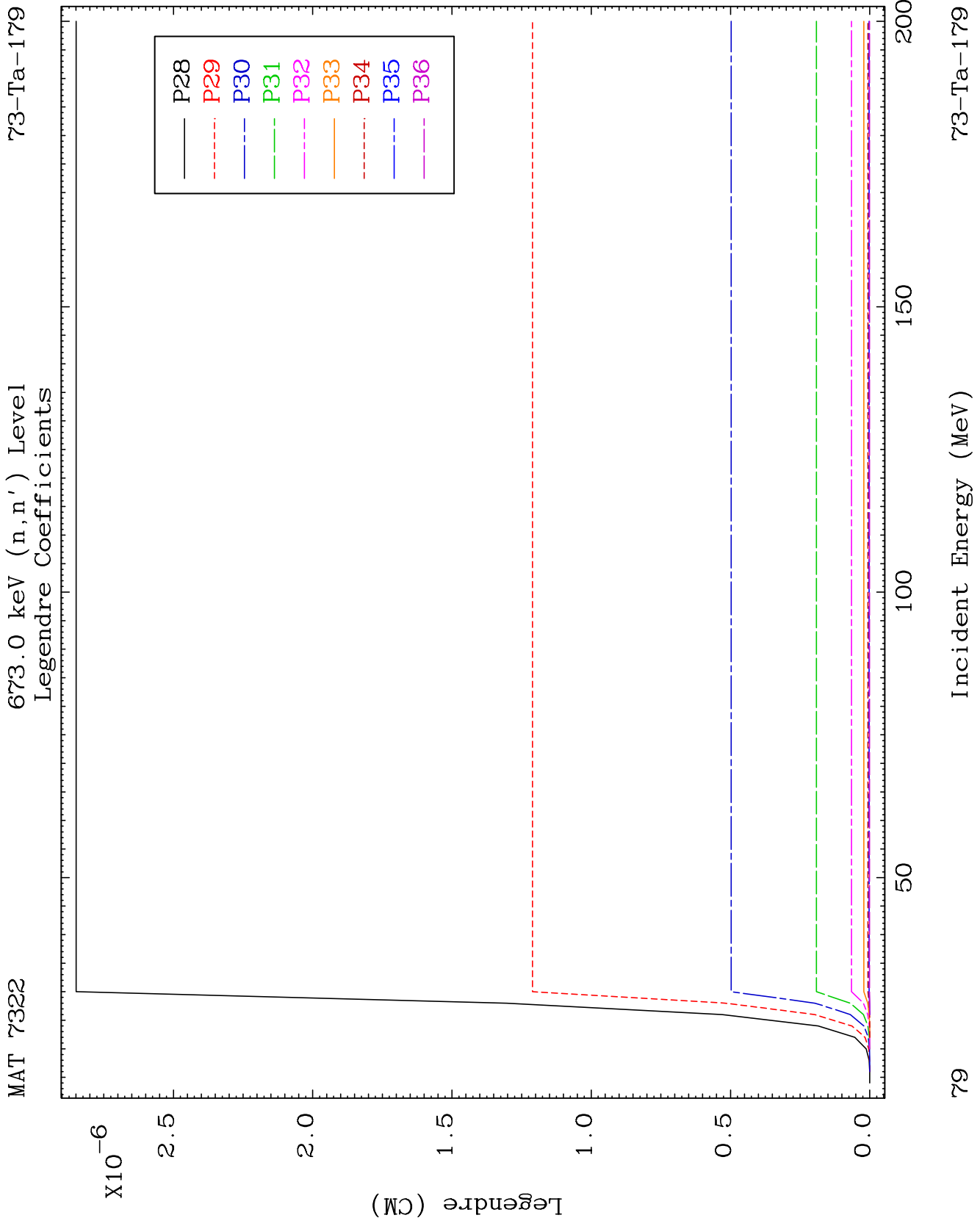
73-Ta-179



78

Incident Energy (MeV)

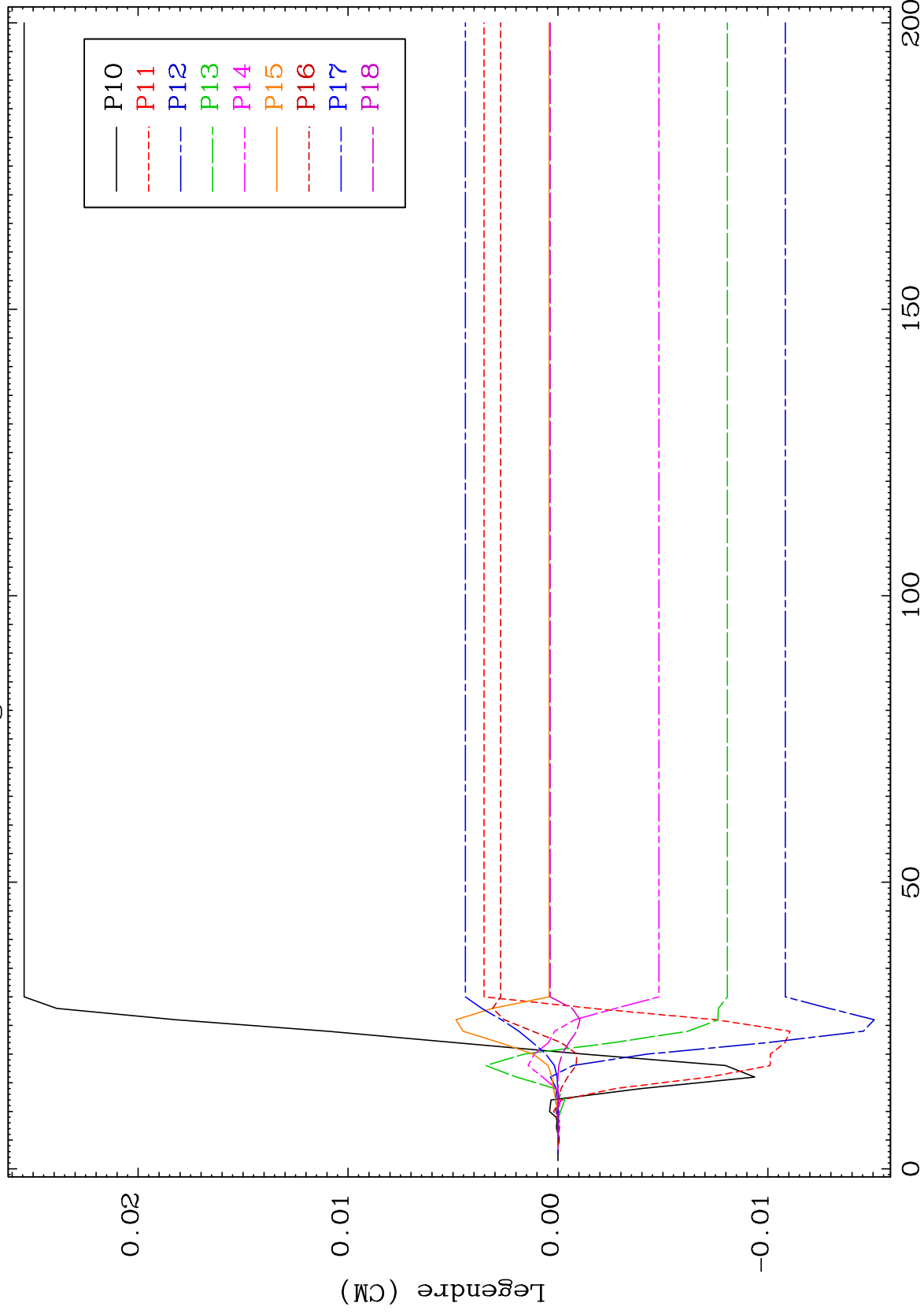
73-Ta-179



MAT 7322

676.5 keV (n,n') Level
Legendre Coefficients

73-Ta-179



81

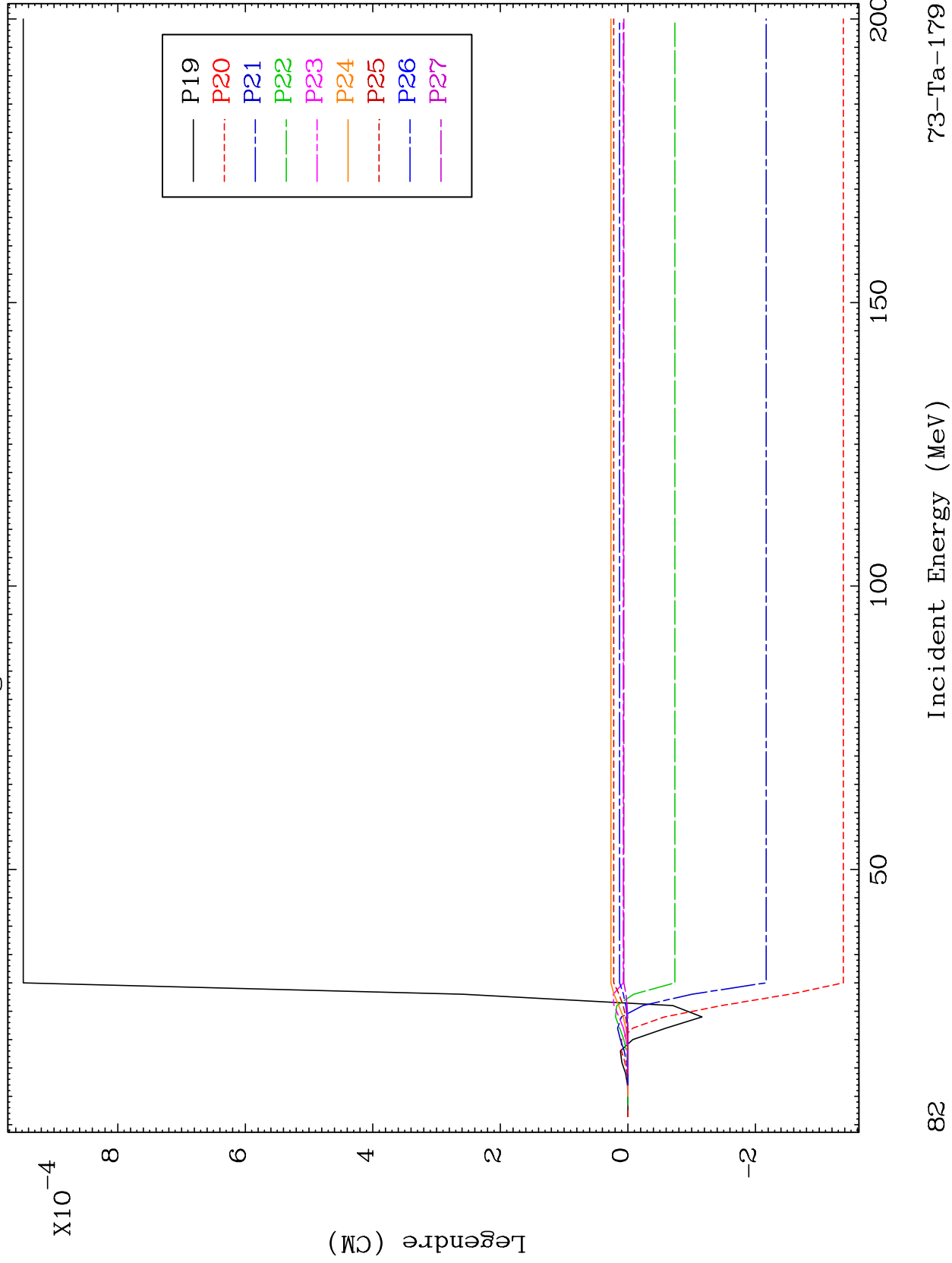
Incident Energy (MeV)

73-Ta-179

MAT 7322

676.5 keV (n,n') Level
Legendre Coefficients

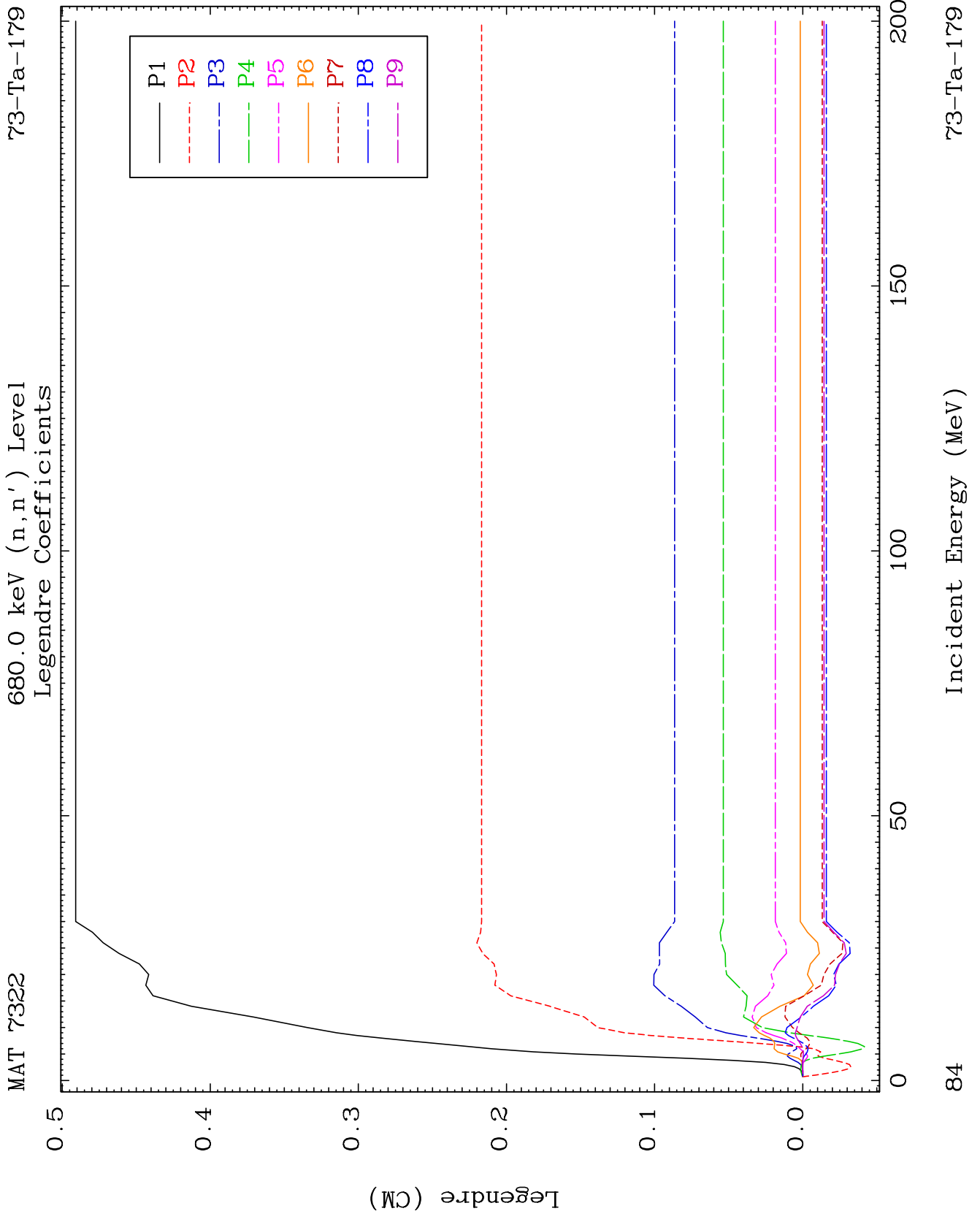
73-Ta-179

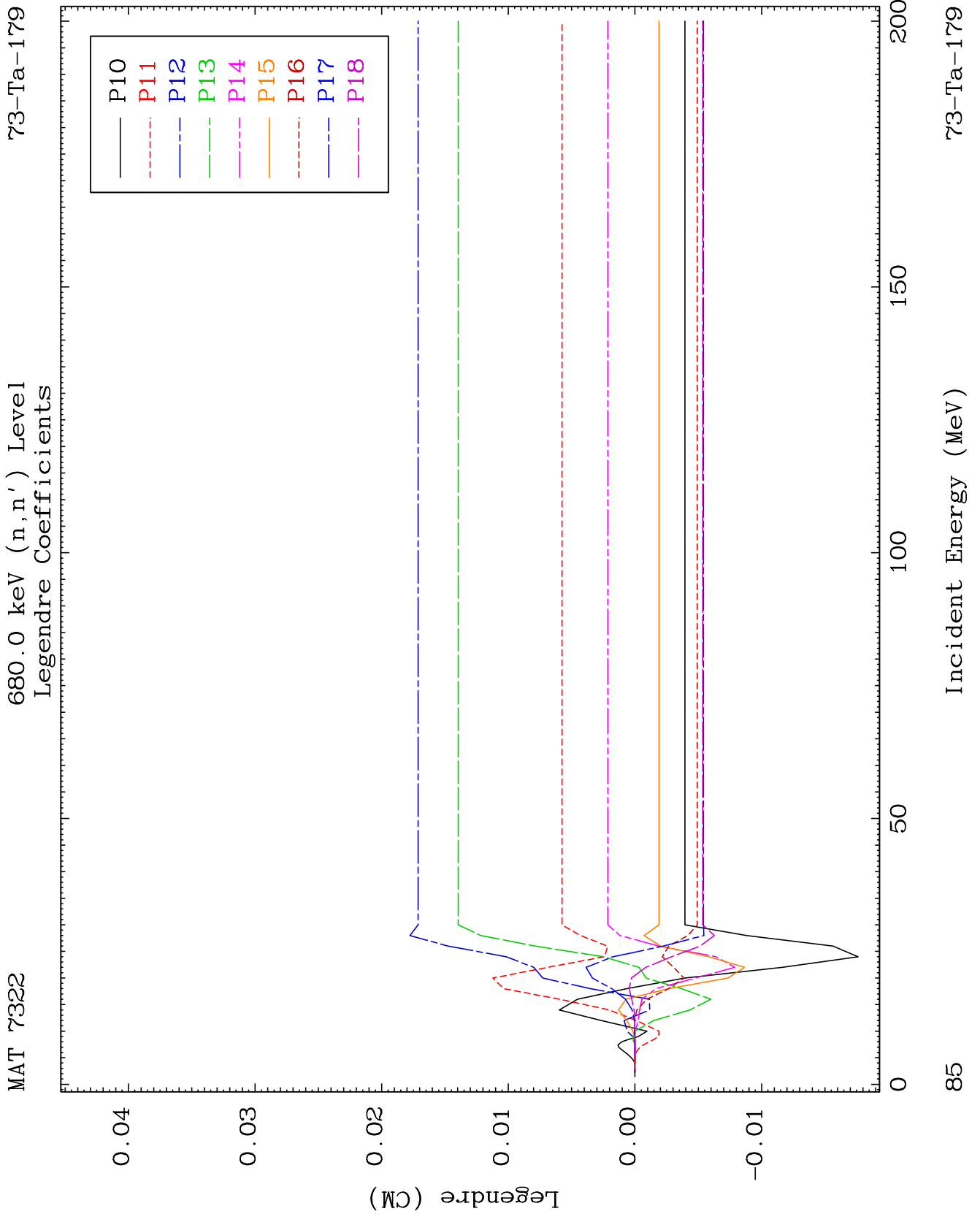


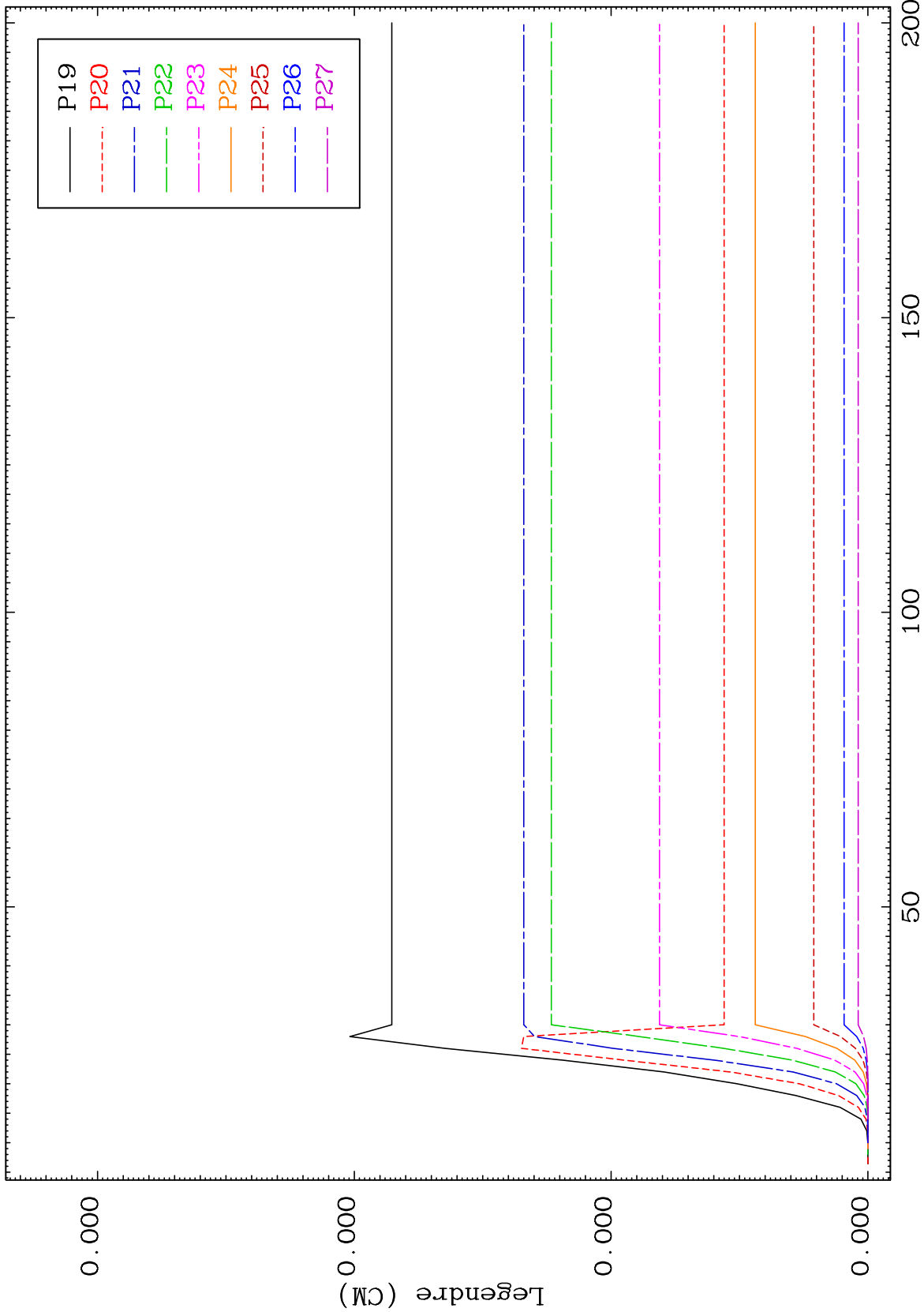
82

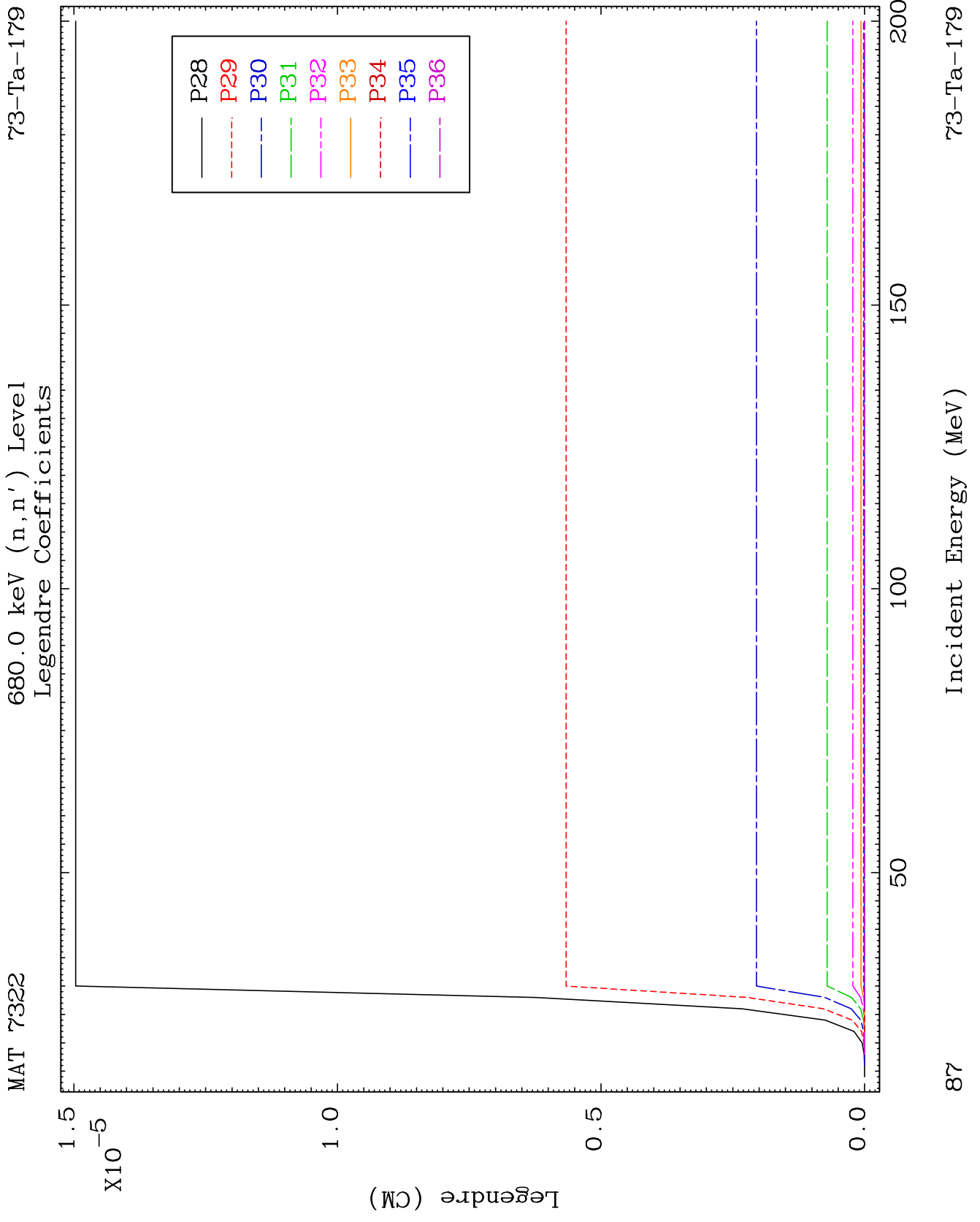
Incident Energy (MeV)

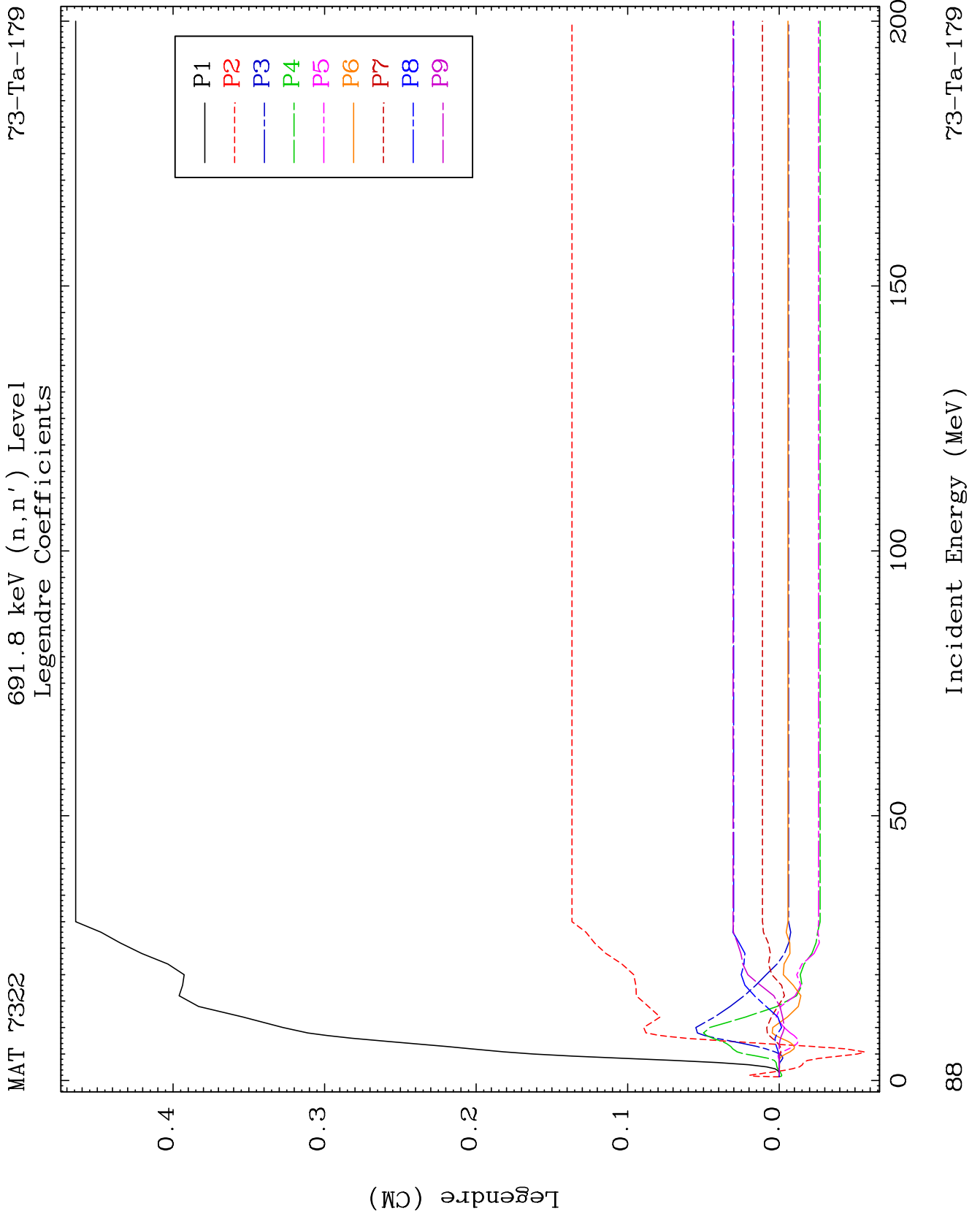
73-Ta-179







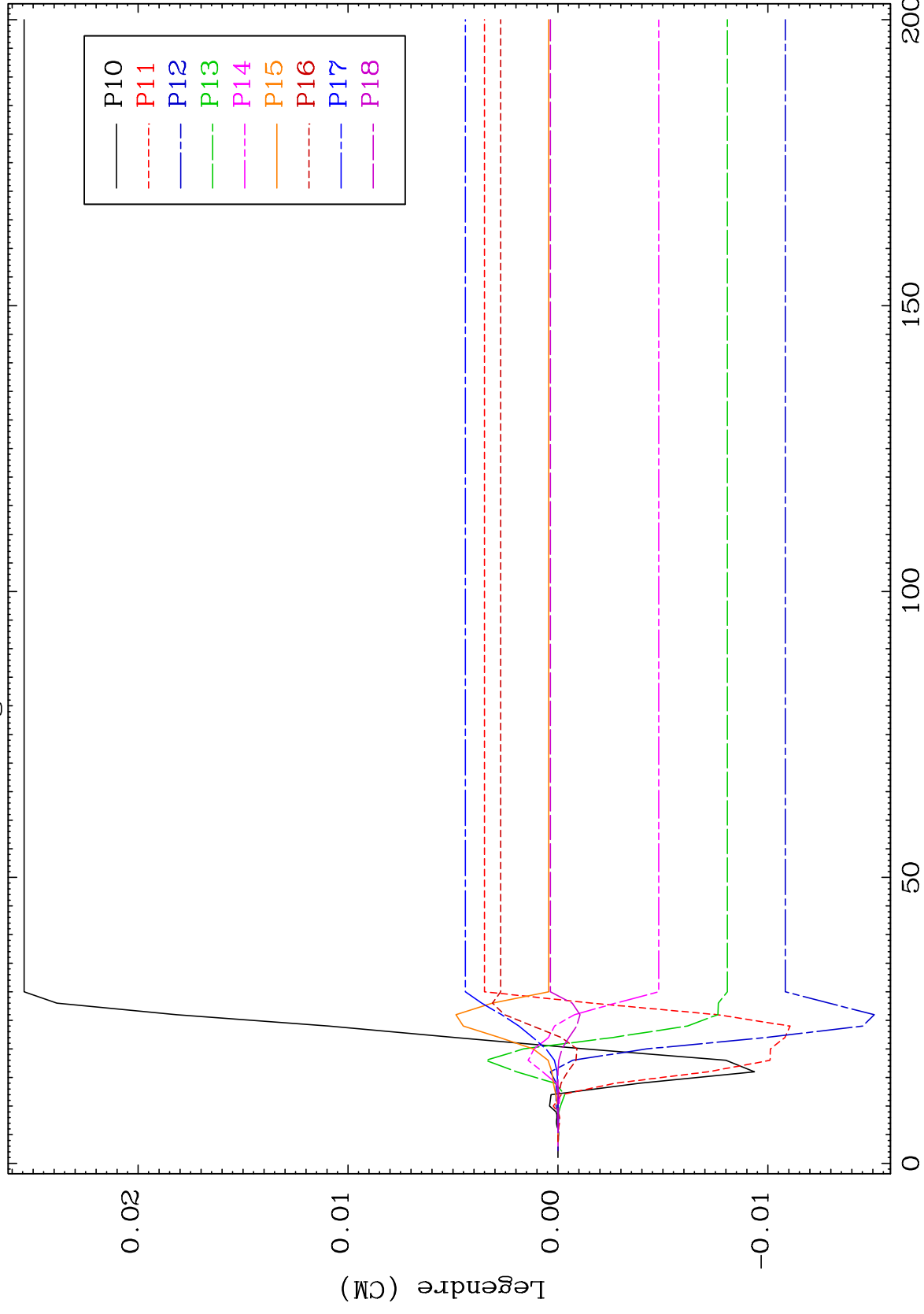




MAT 7322

691.8 keV (n,n') Level
Legendre Coefficients

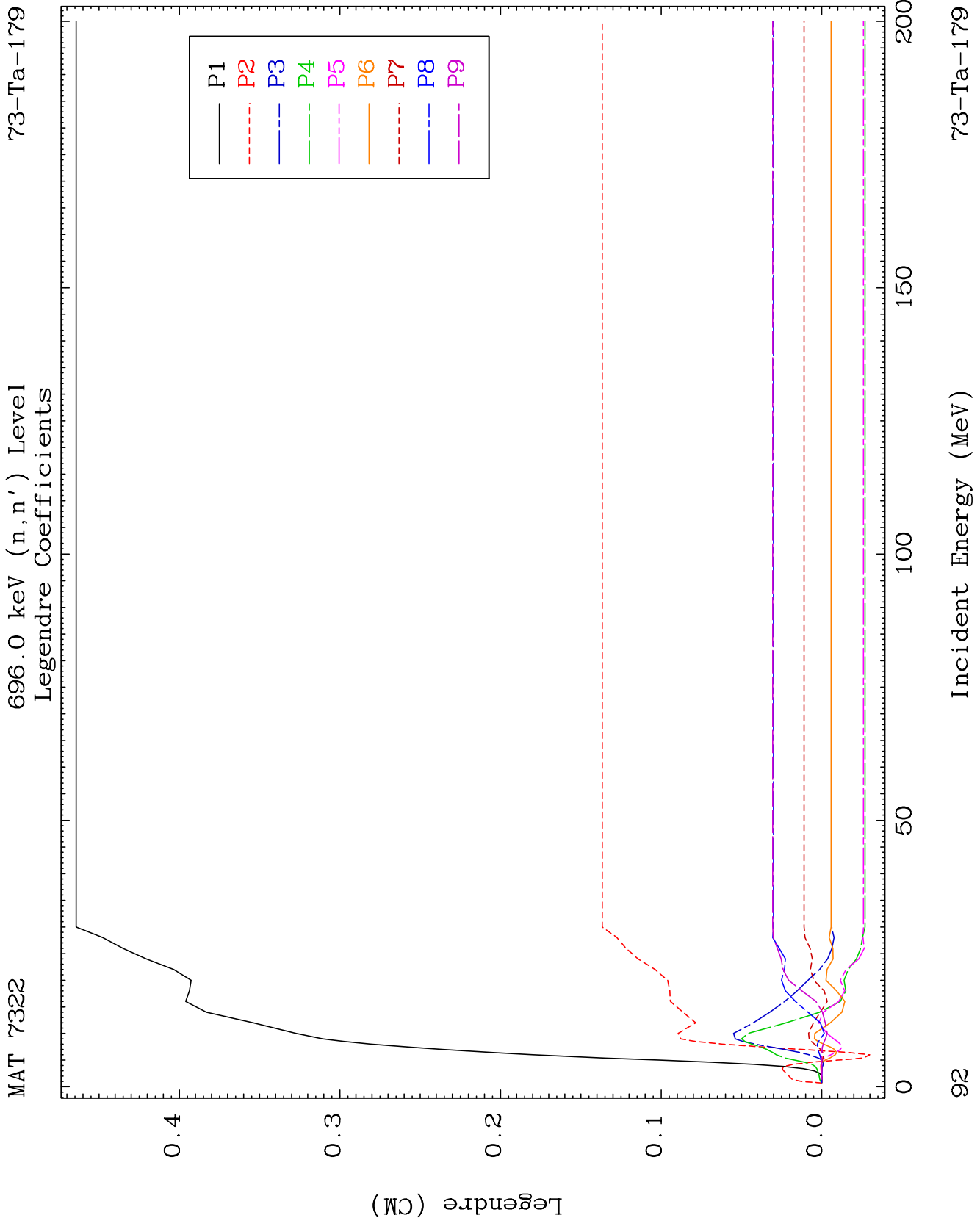
73-Ta-179

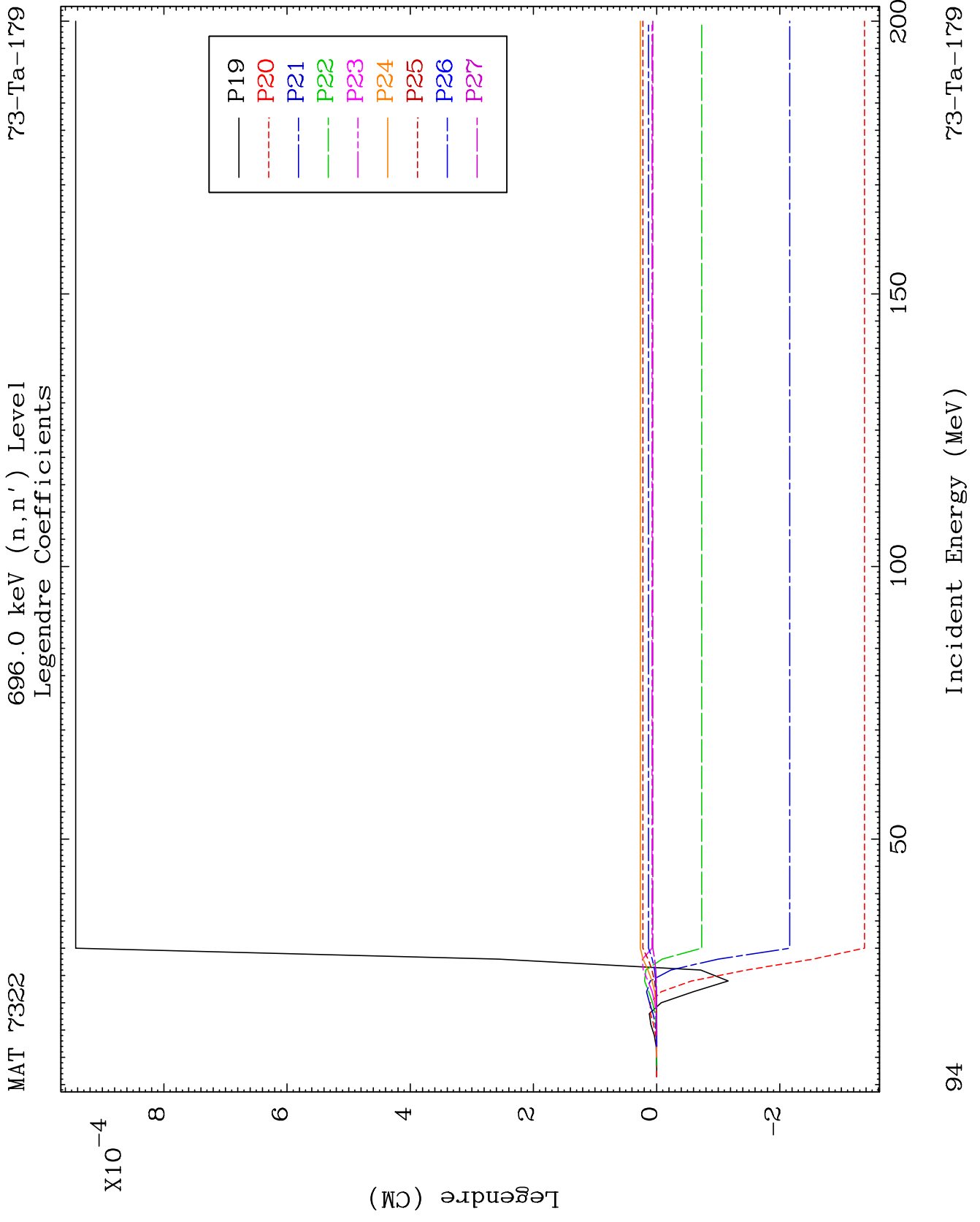


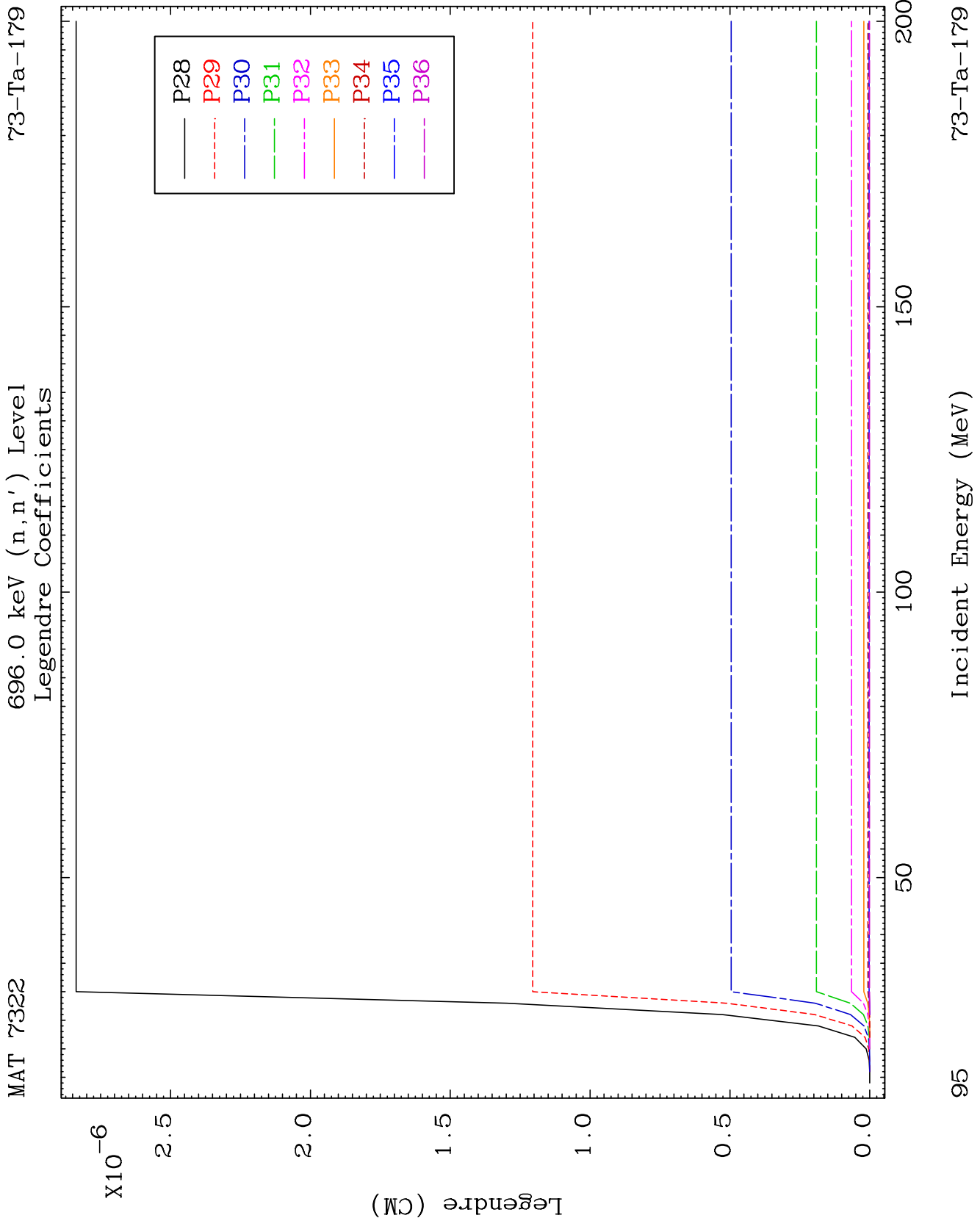
89

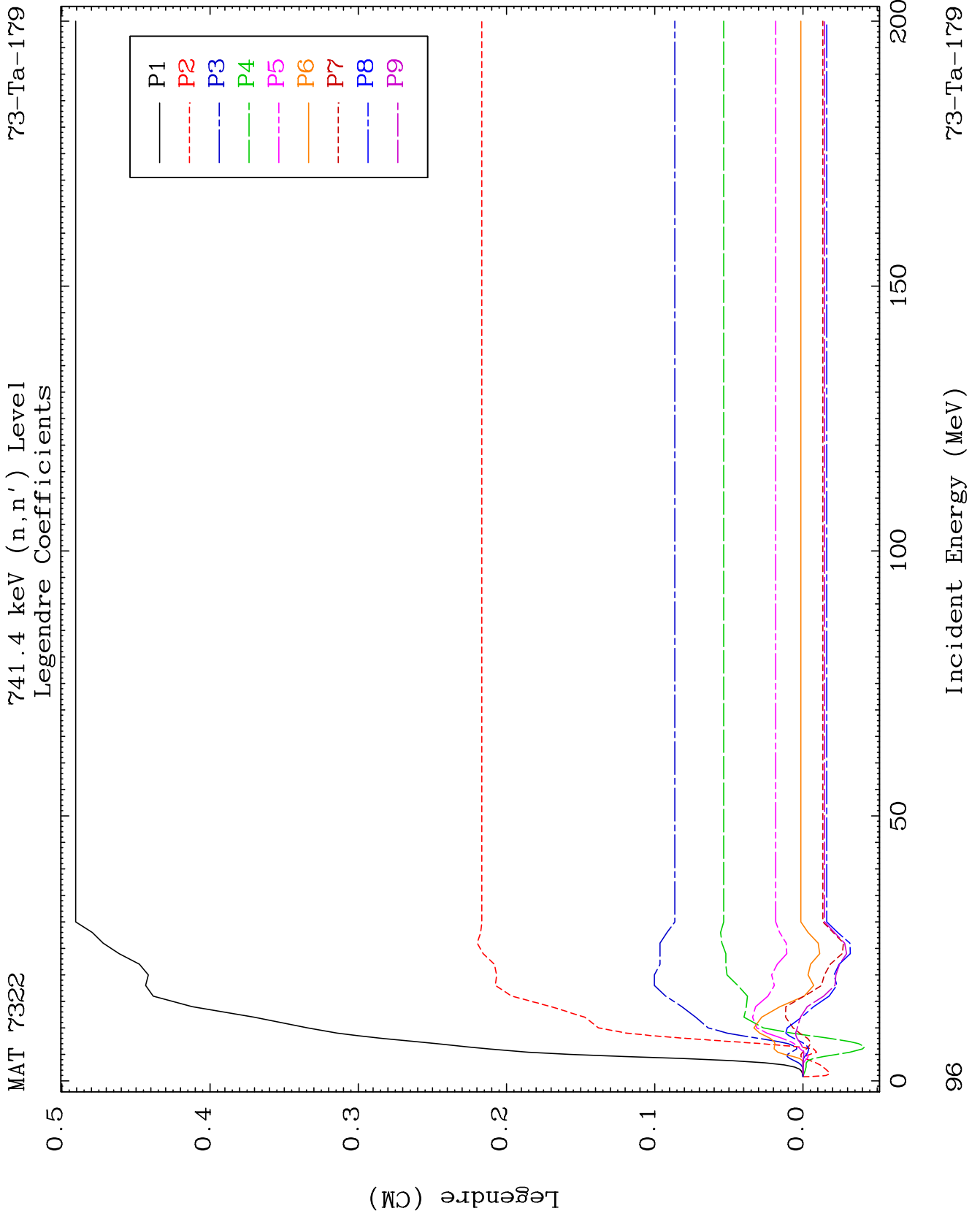
Incident Energy (MeV)

73-Ta-179





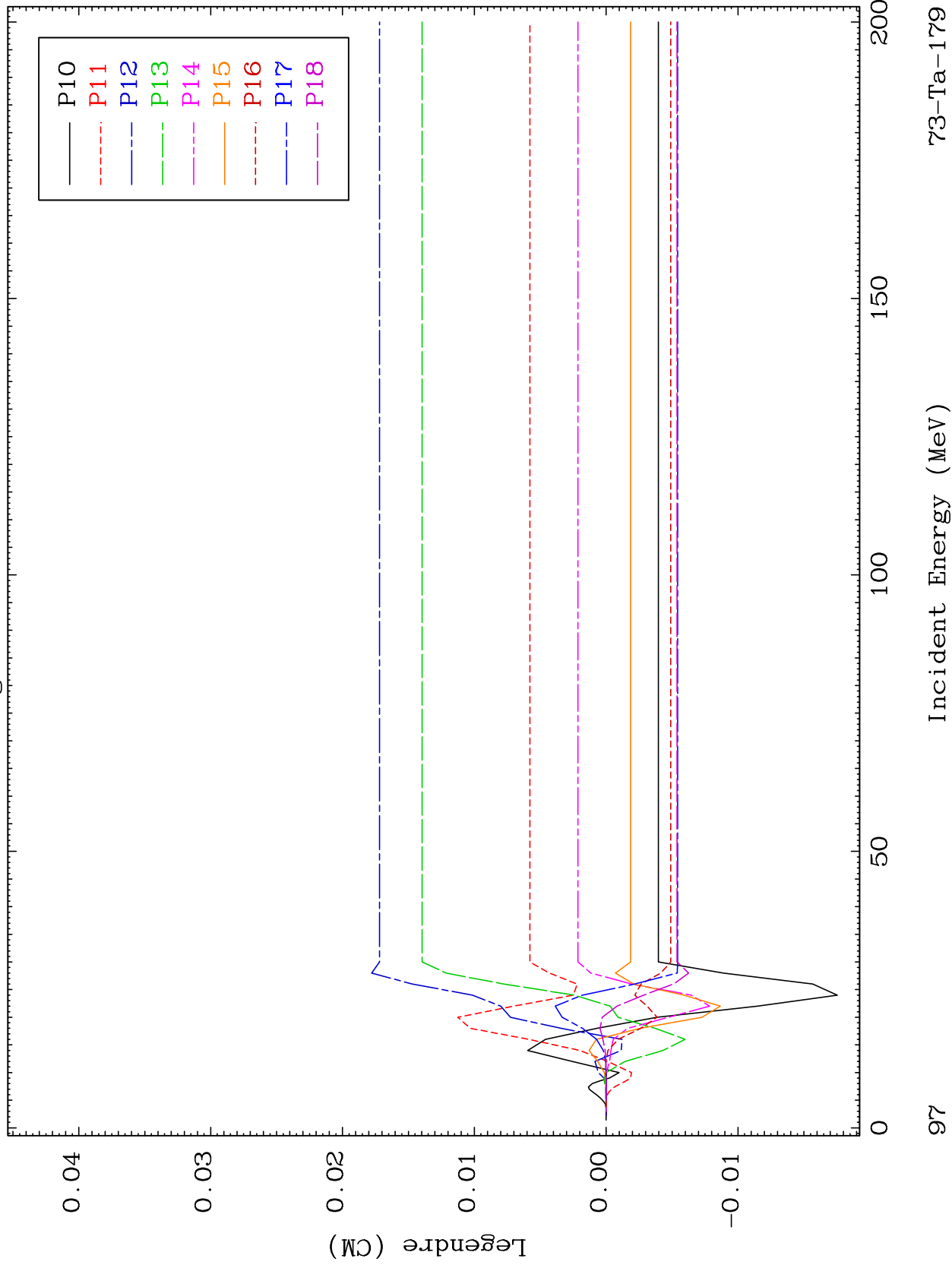




MAT 7322

741.4 keV (n,n') Level
Legendre Coefficients

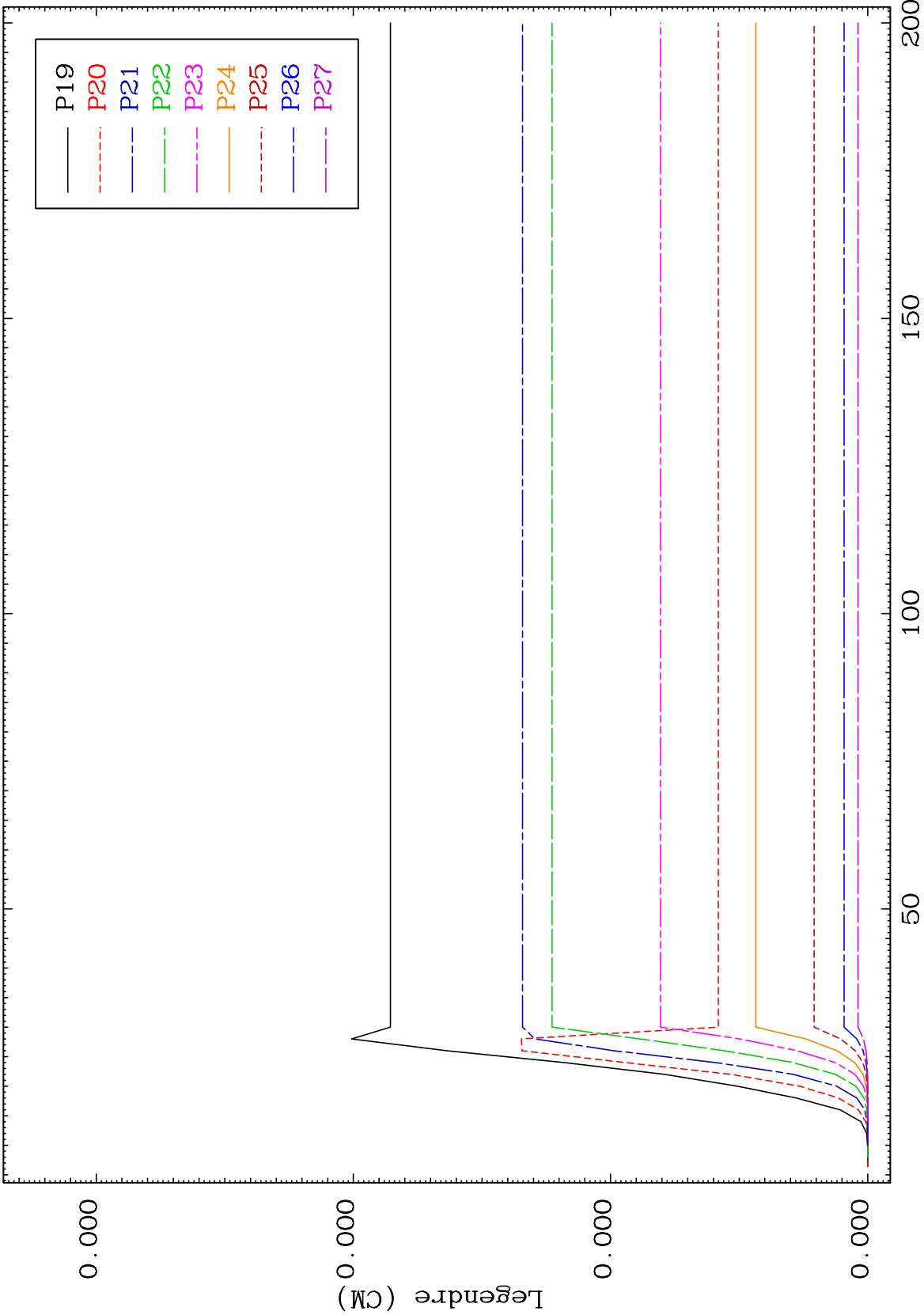
73-Ta-179

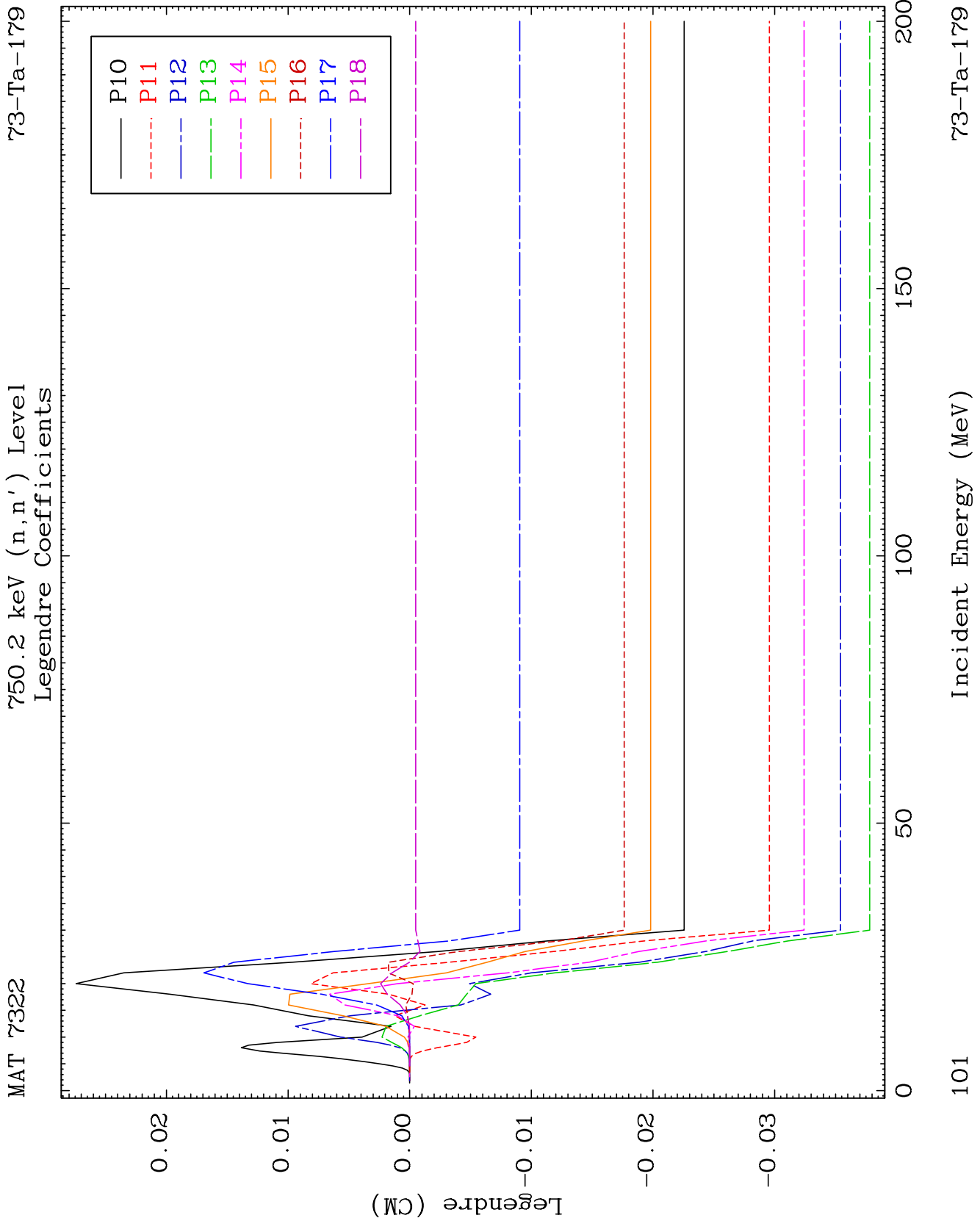


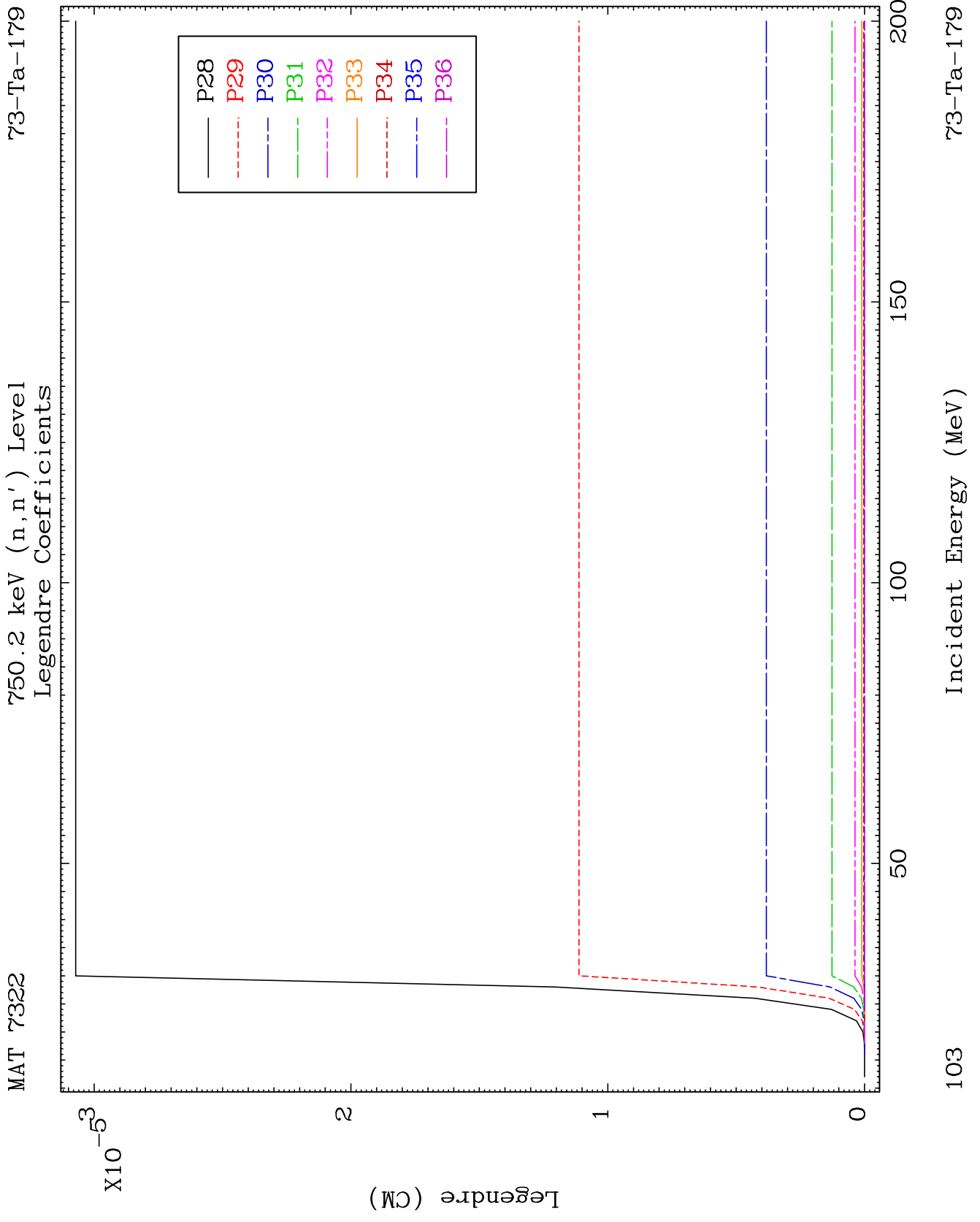
73-Ta-179

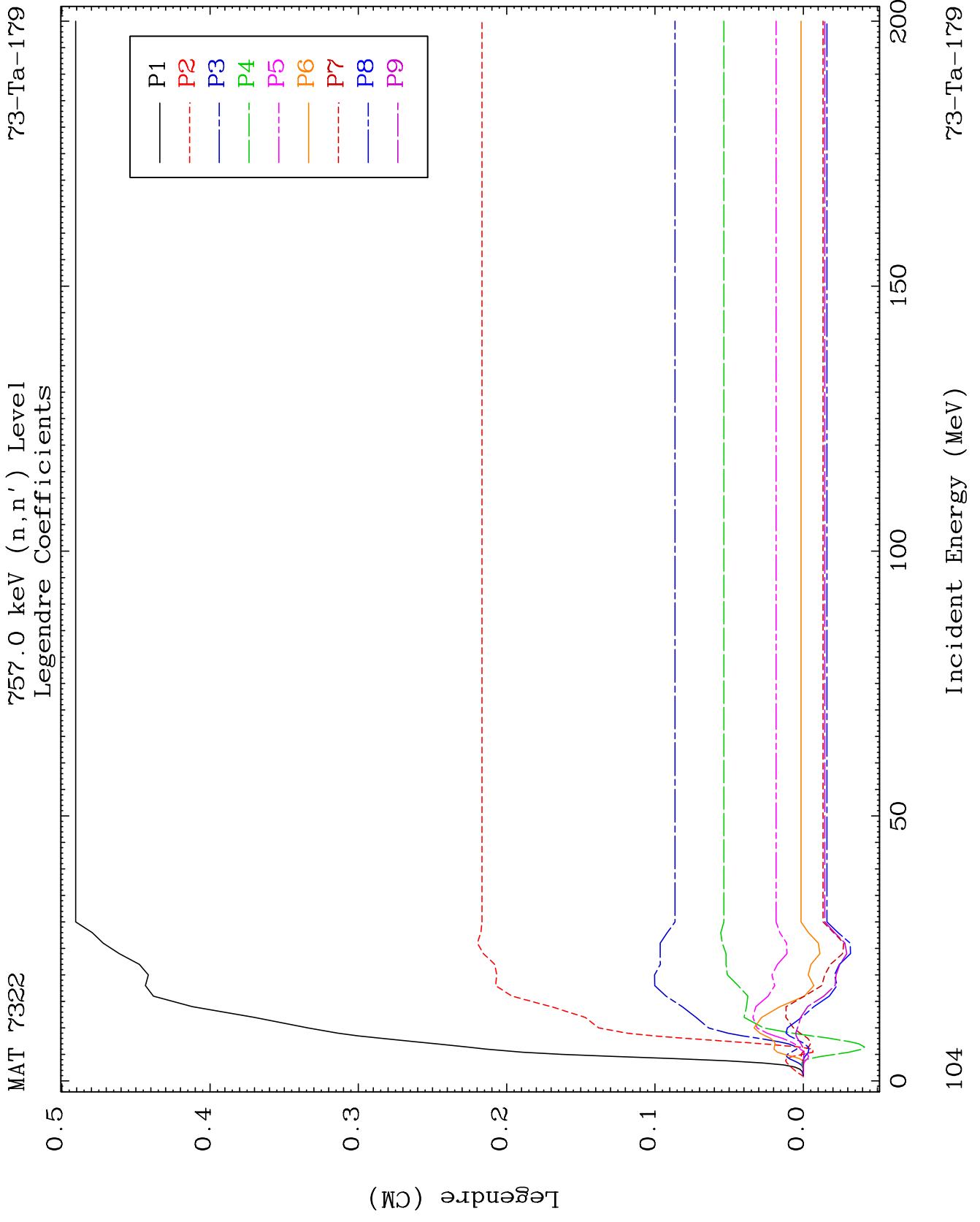
Incident Energy (MeV)

97





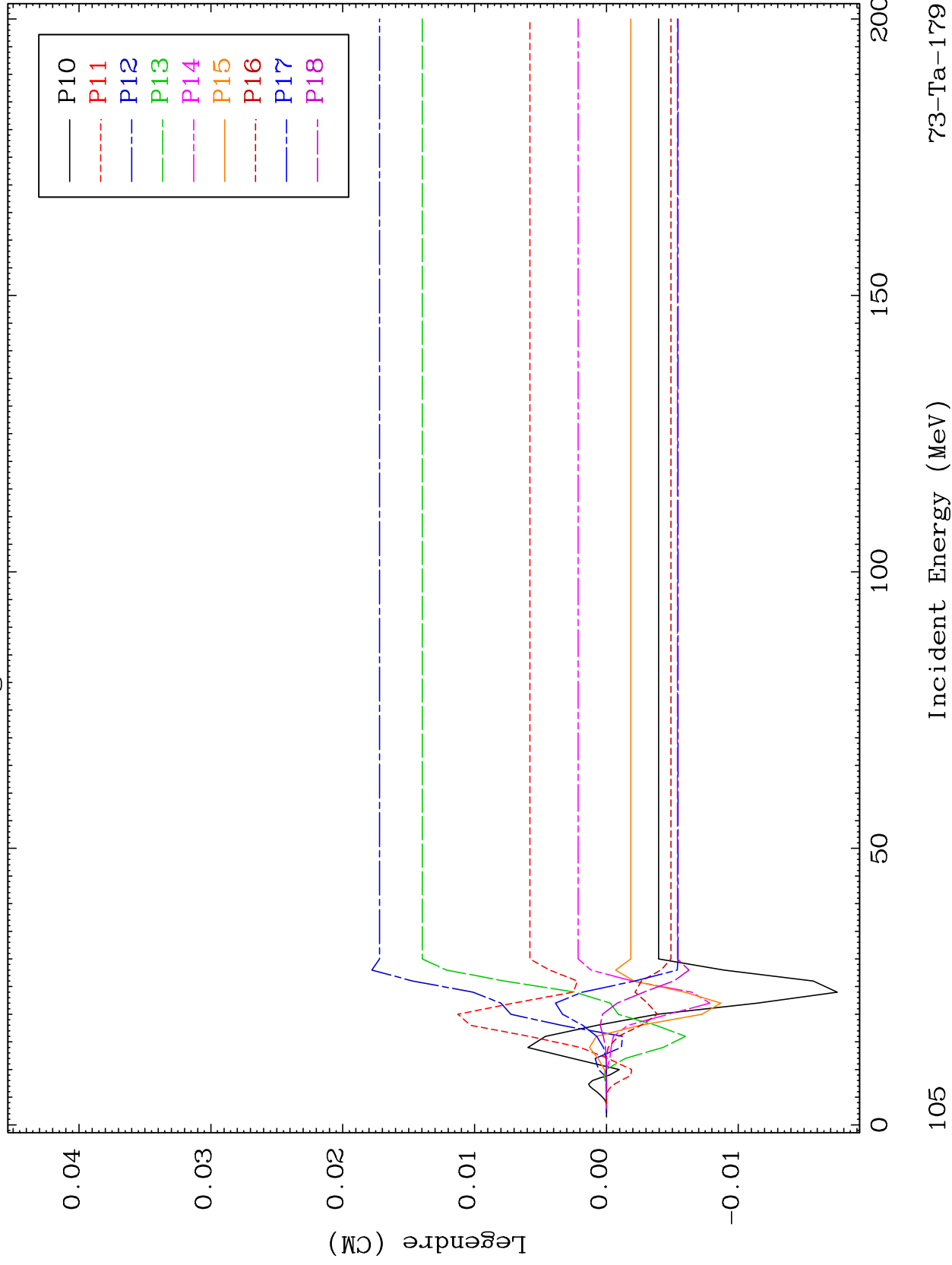




MAT 7322

757.0 keV (n,n') Level
Legendre Coefficients

73-Ta-179



73-Ta-179

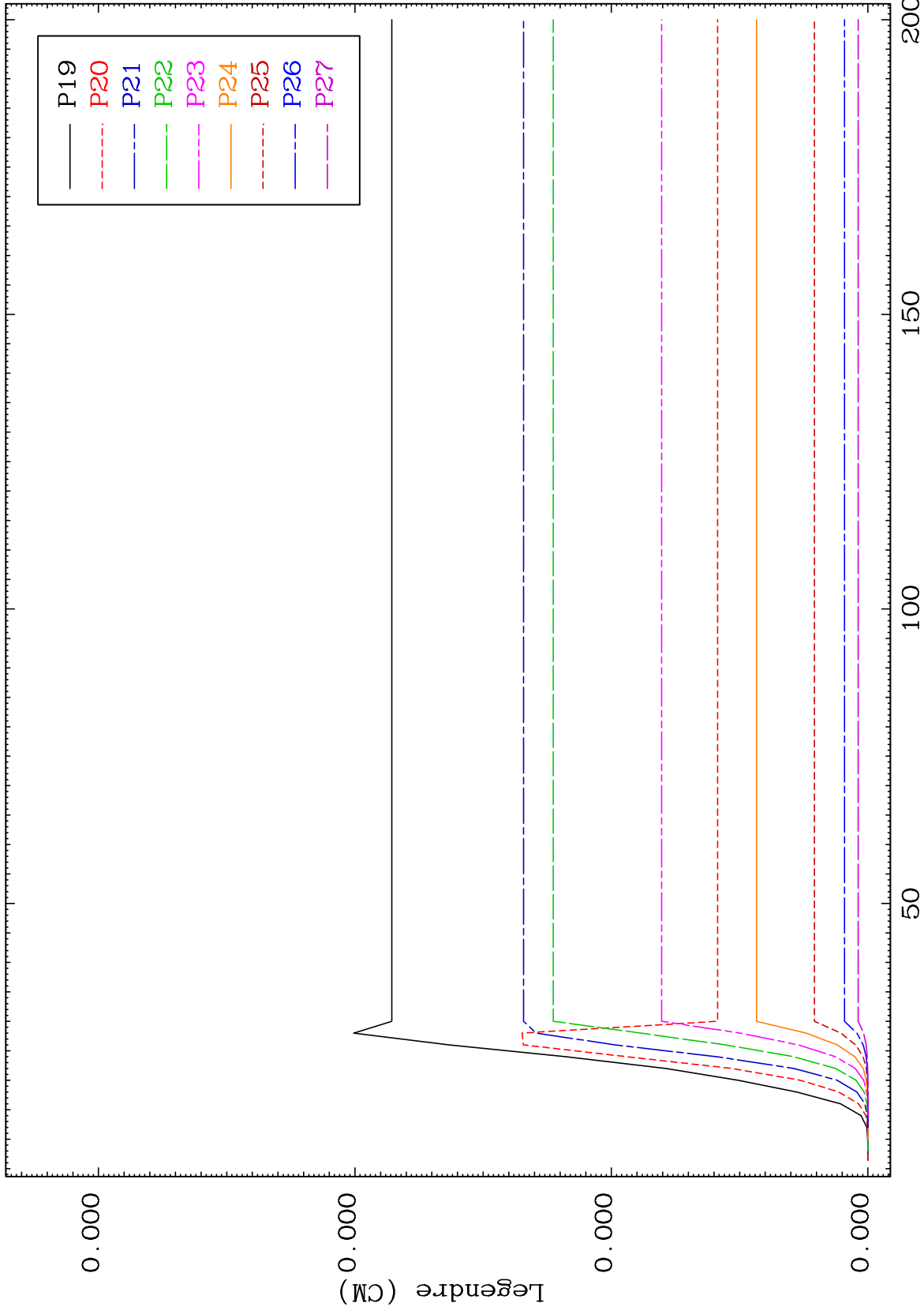
Incident Energy (MeV)

105

MAT 7322

757.0 keV (n,n') Level
Legendre Coefficients

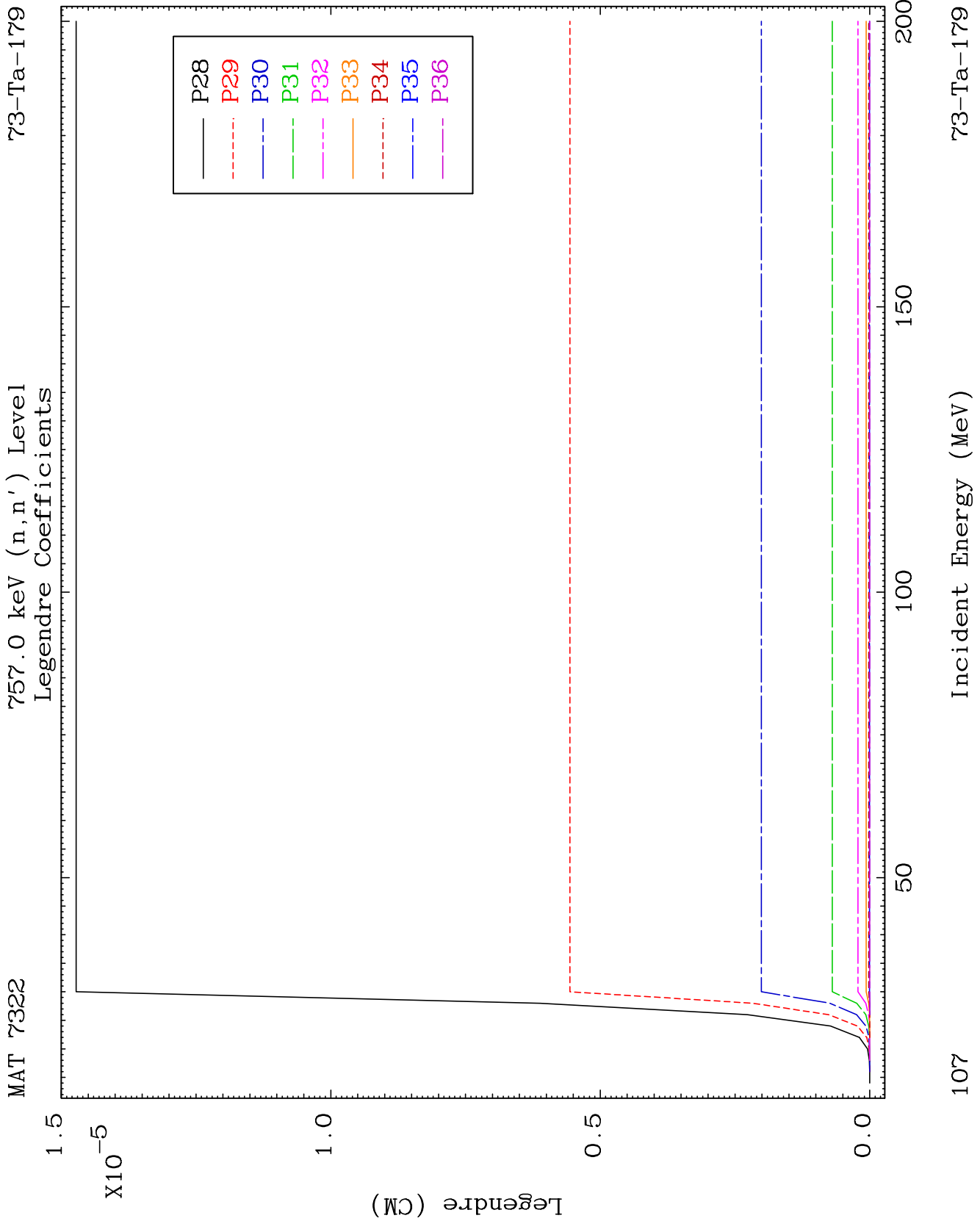
73-Ta-179



106

Incident Energy (MeV)

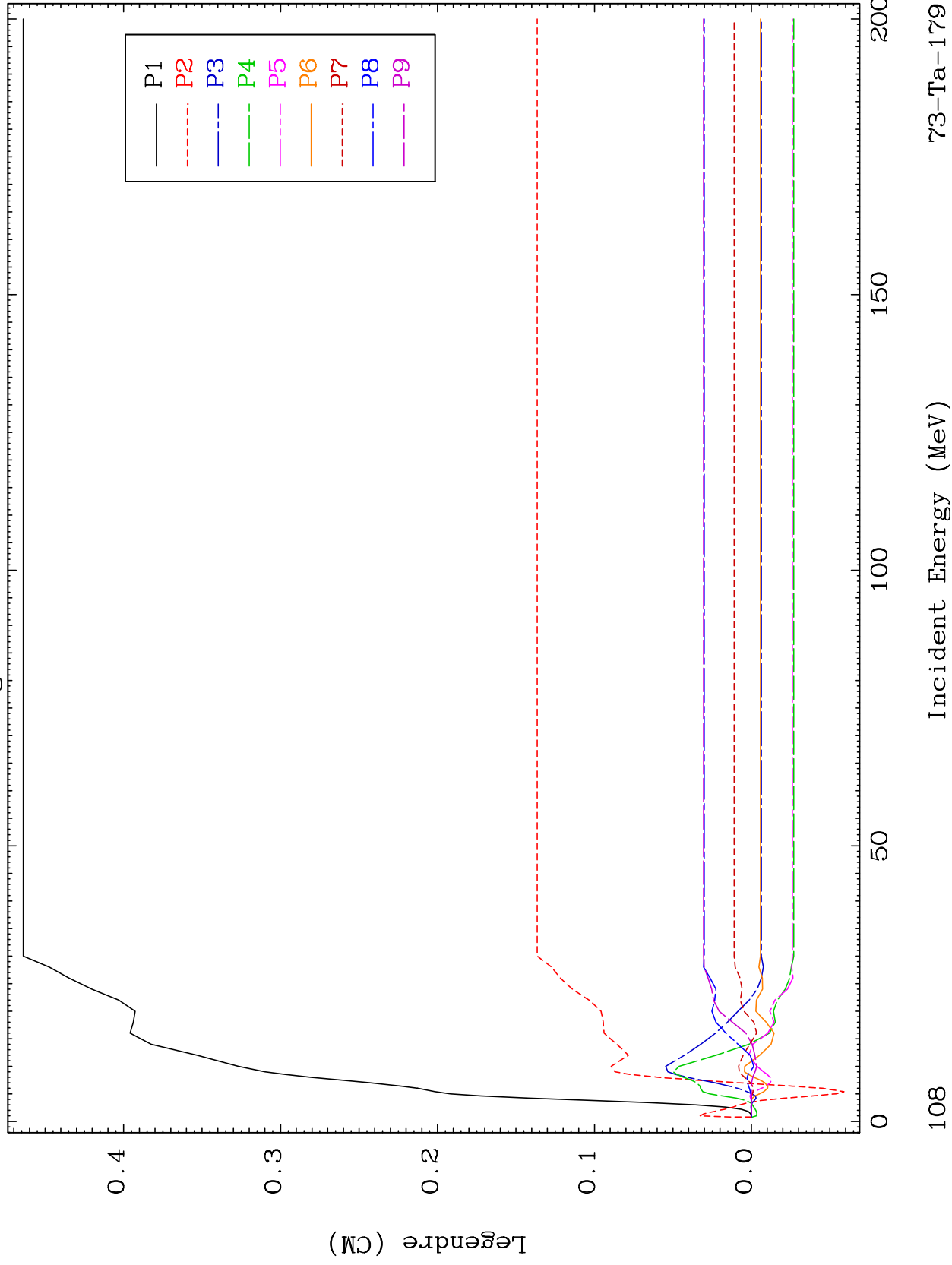
73-Ta-179



MAT 7322

777.7 keV (n,n') Level
Legendre Coefficients

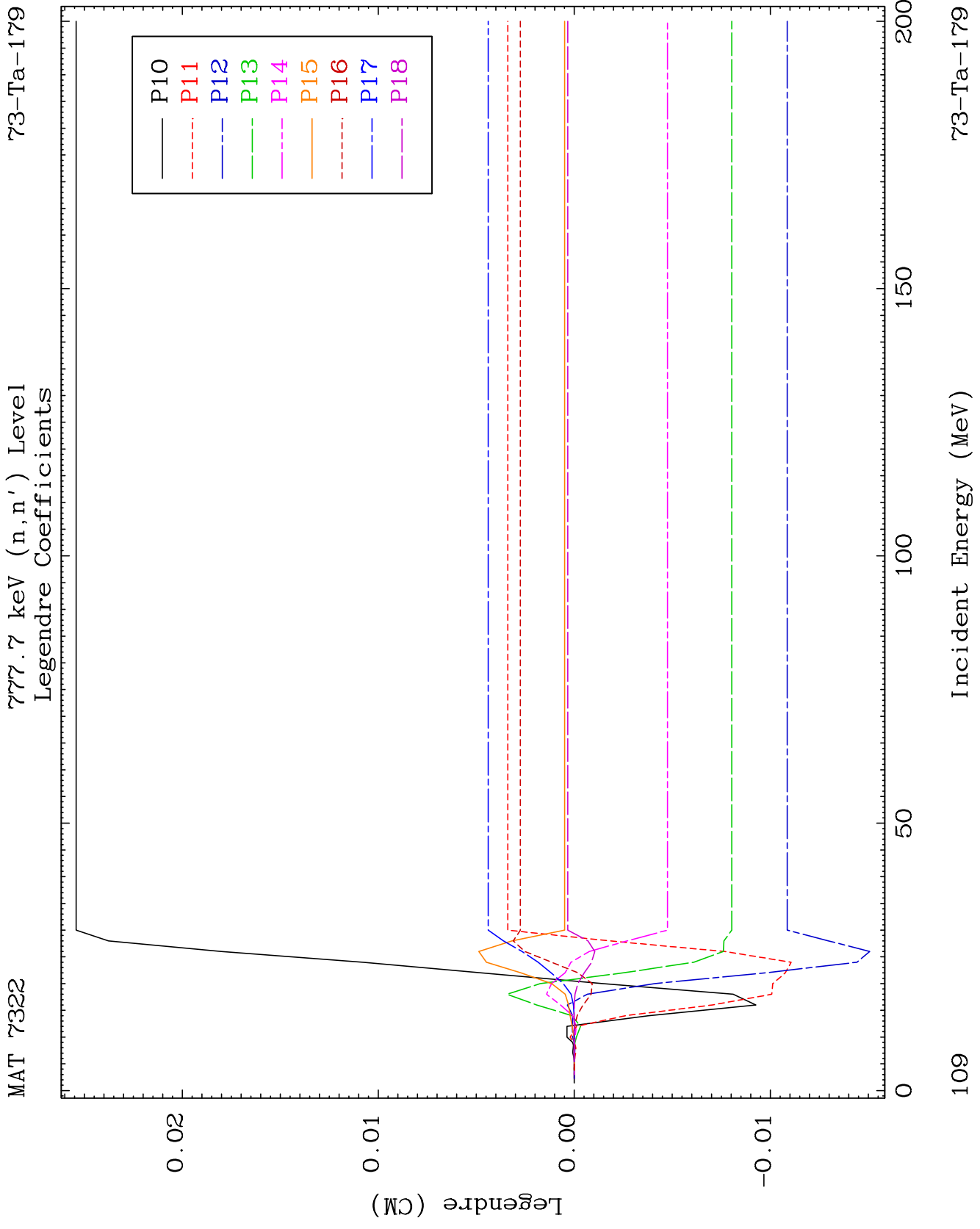
73-Ta-179

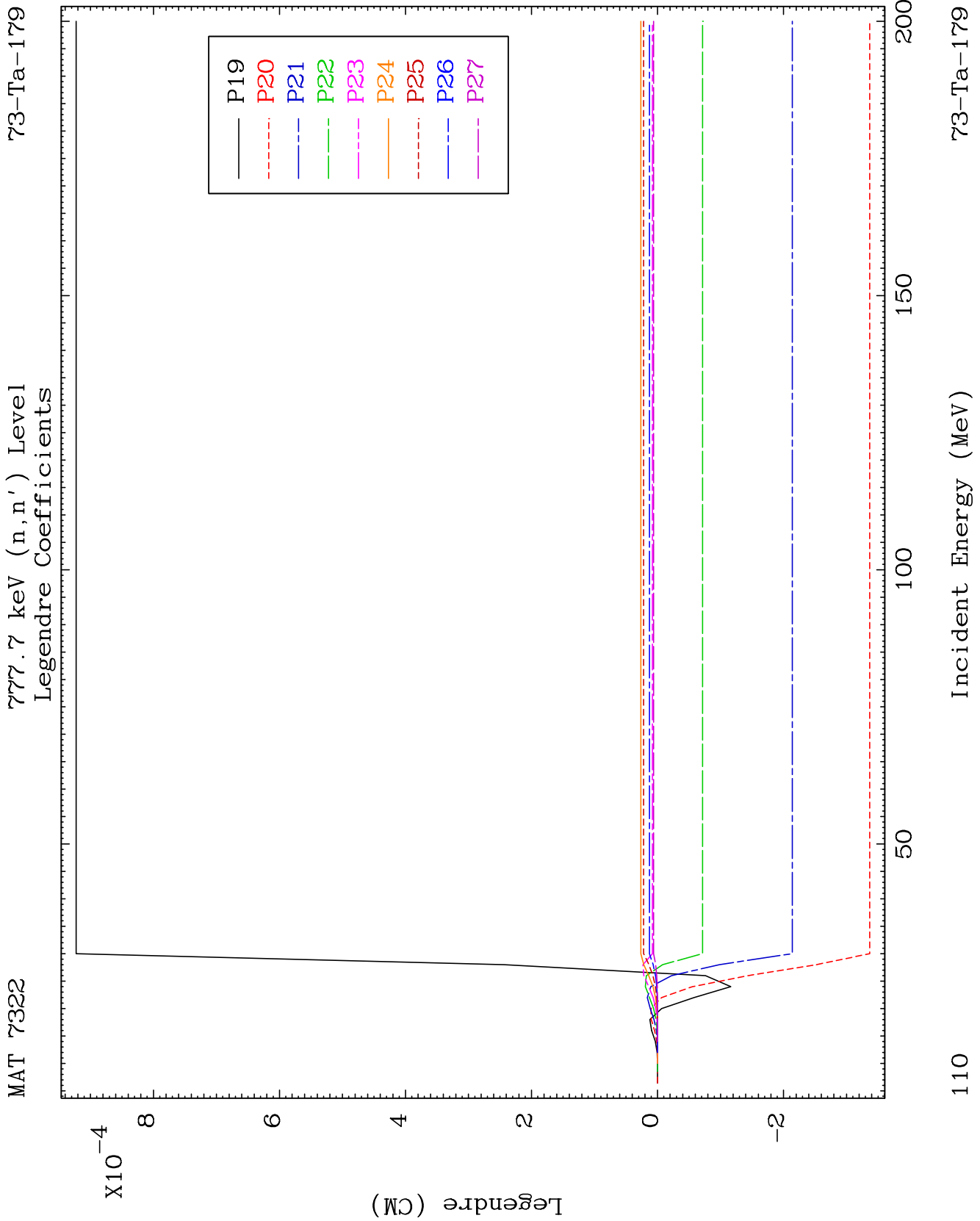


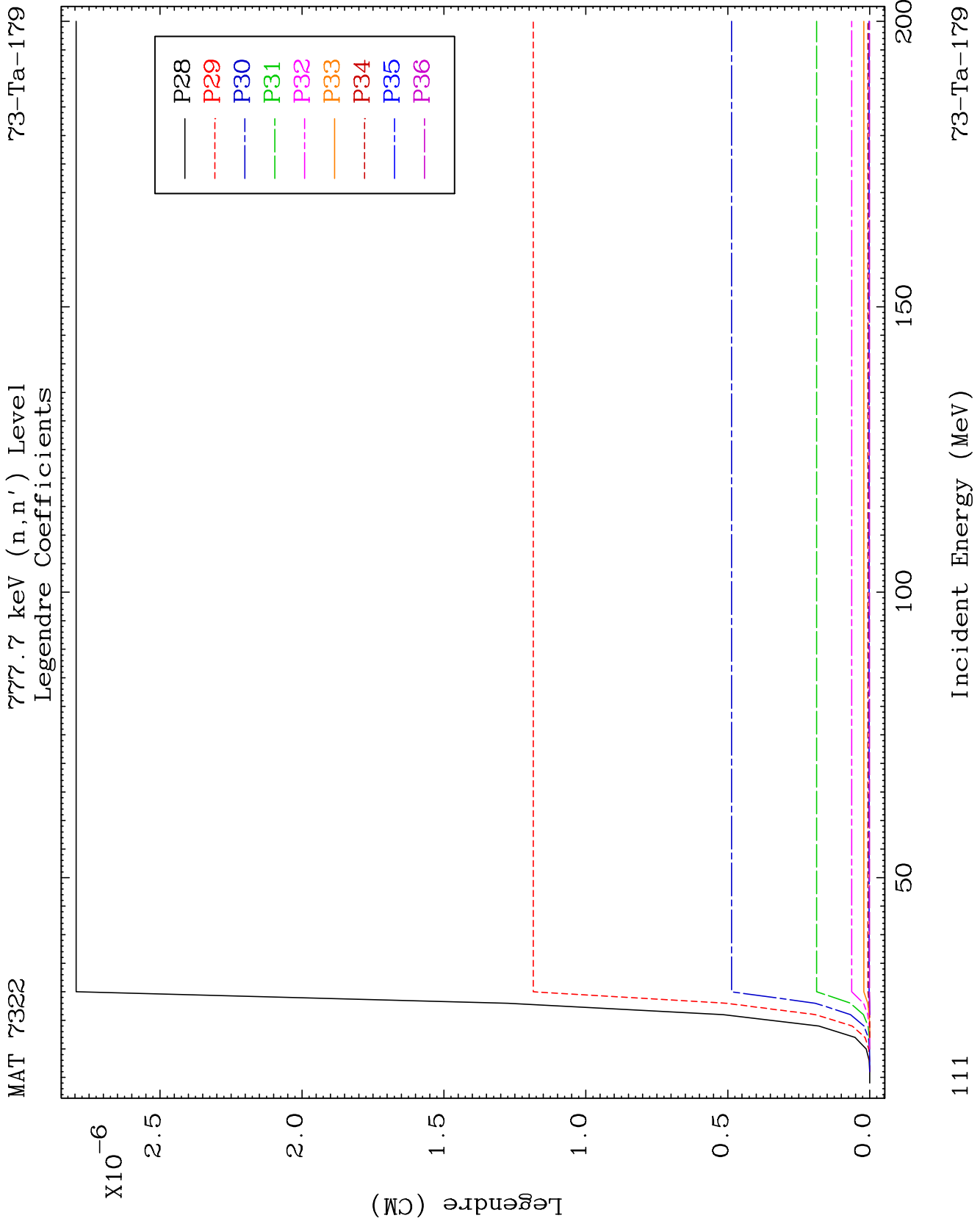
73-Ta-179

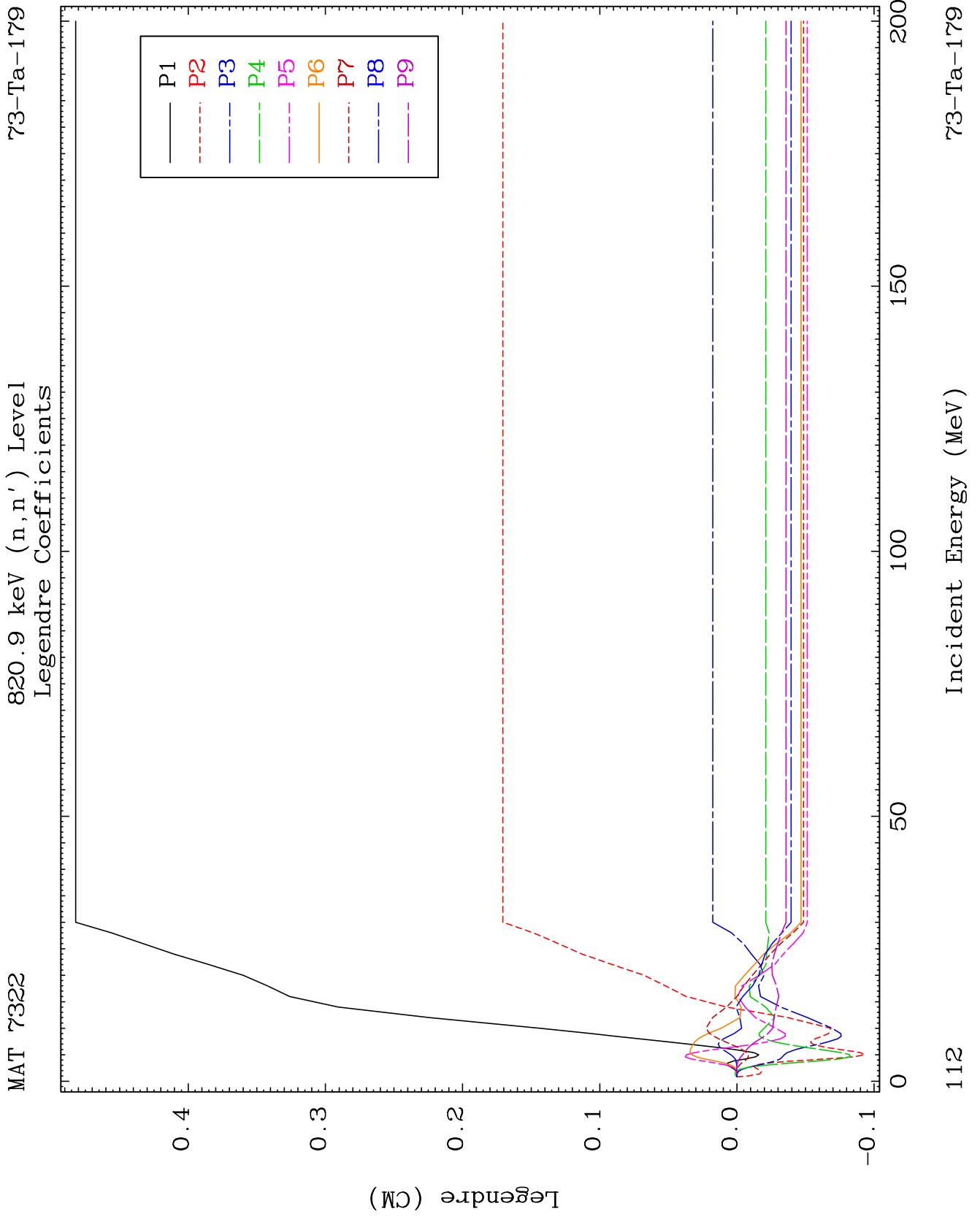
Incident Energy (MeV)

108





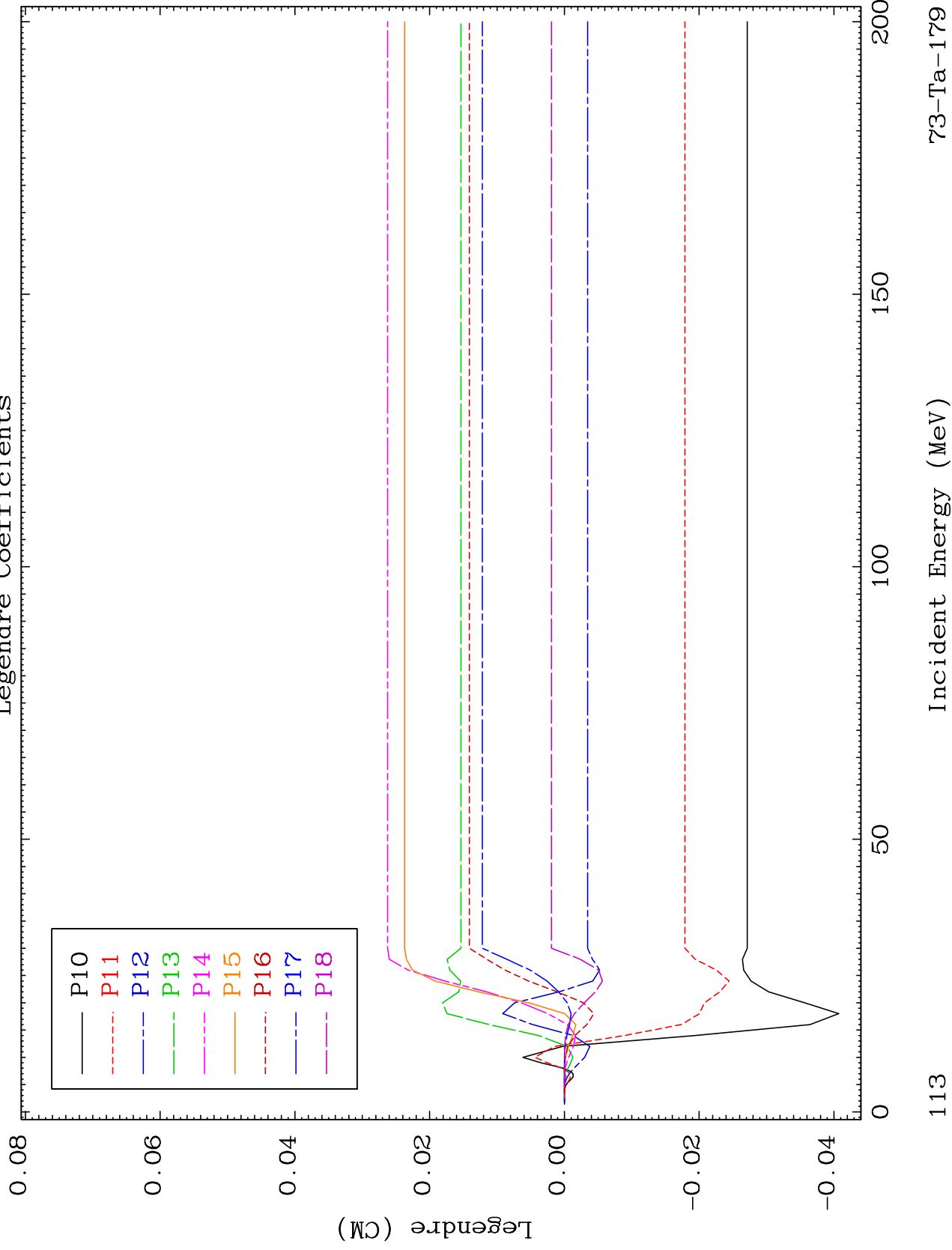




MAT 7322

820.9 keV (n,n') Level
Legendre Coefficients

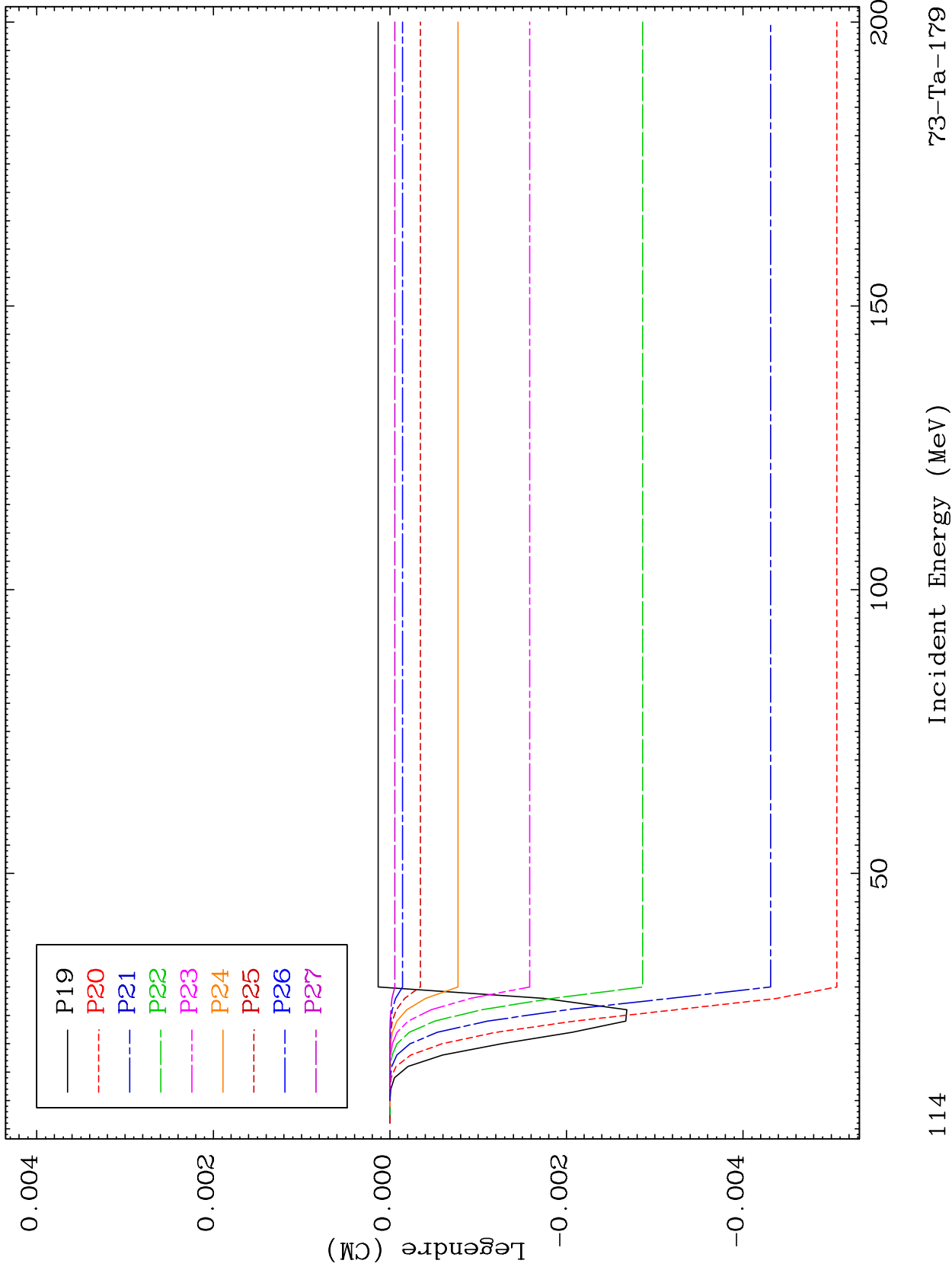
73-Ta-179



113

Incident Energy (MeV)

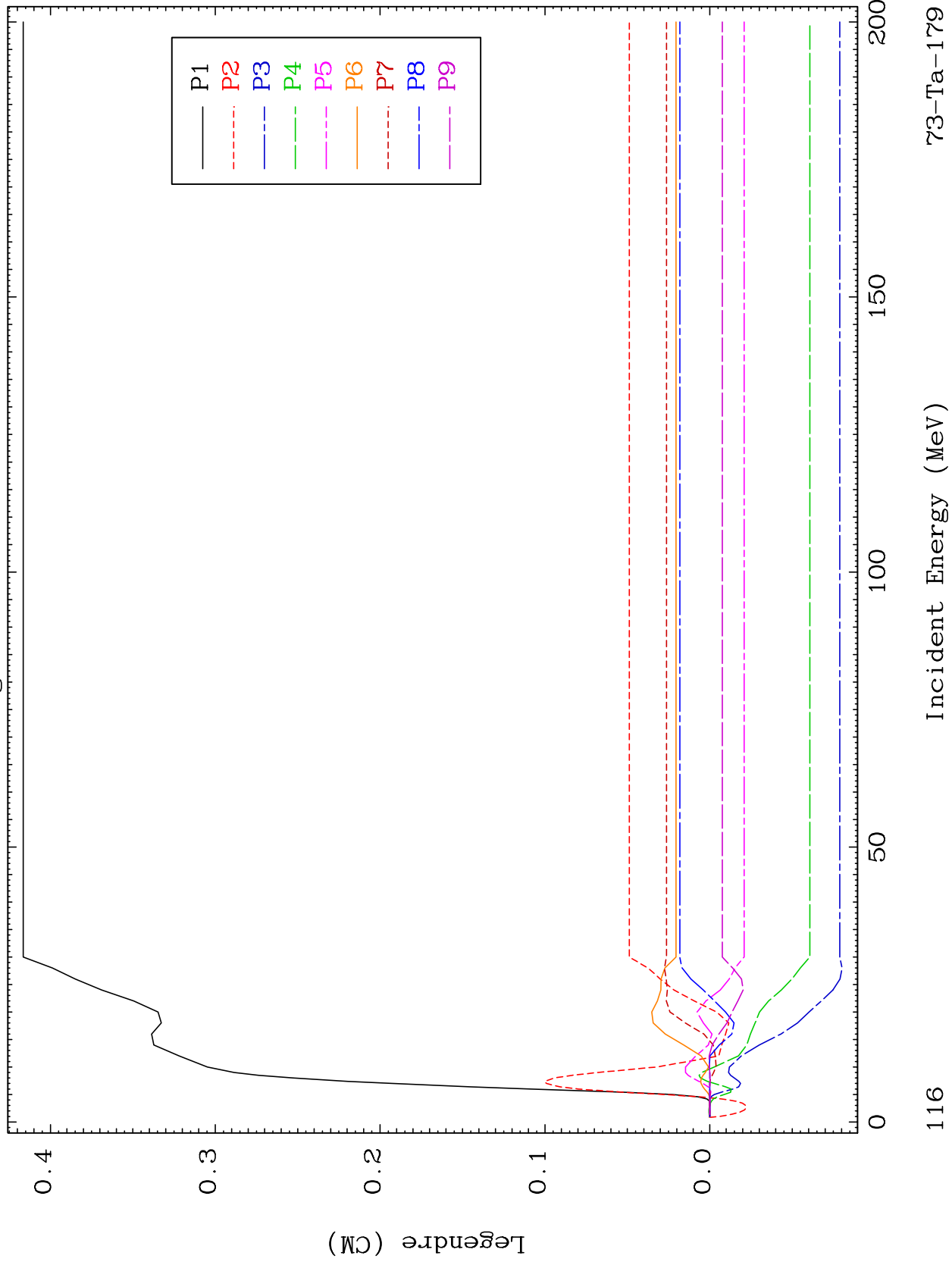
73-Ta-179



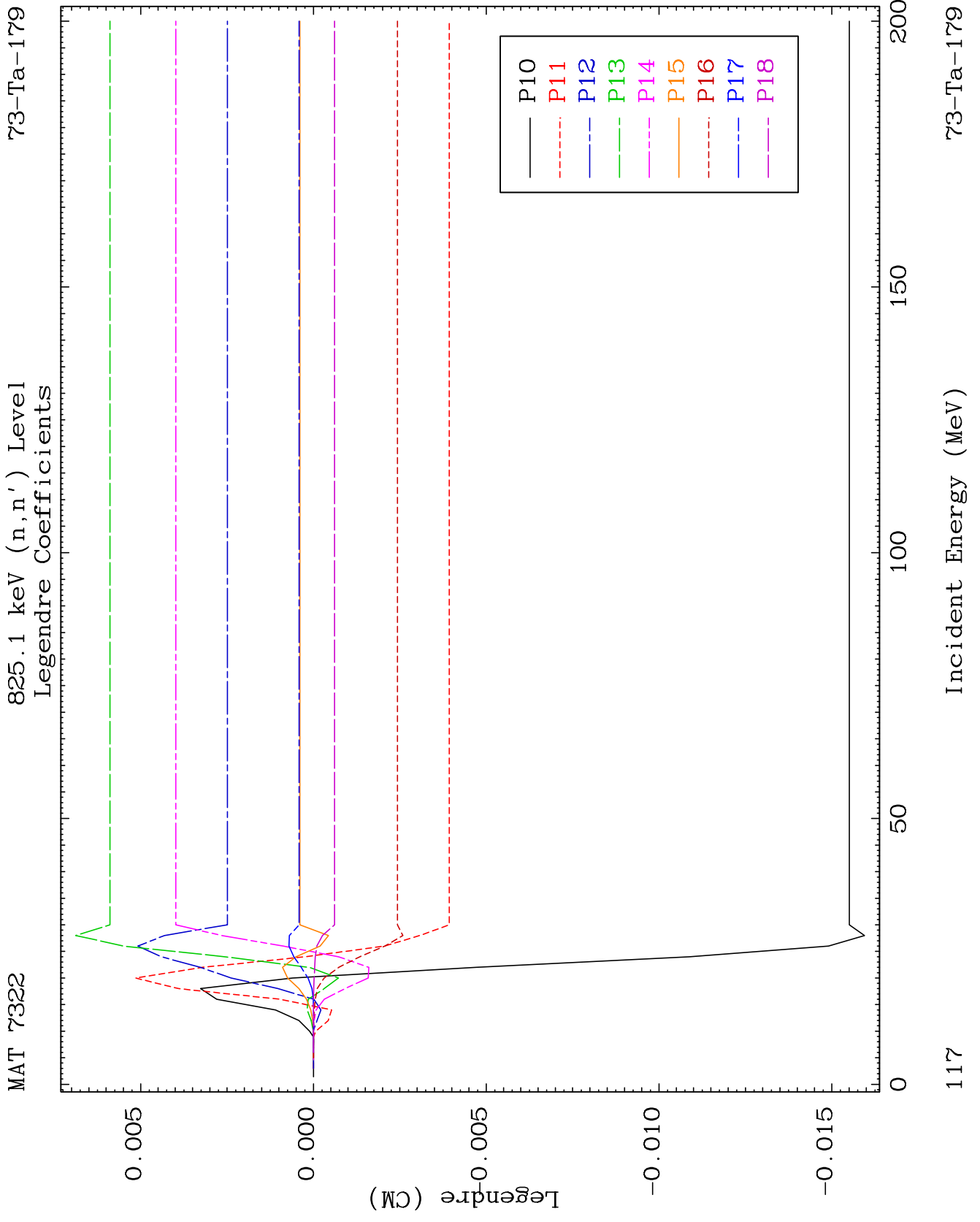
MAT 7322

825.1 keV (n,n') Level
Legendre Coefficients

73-Ta-179



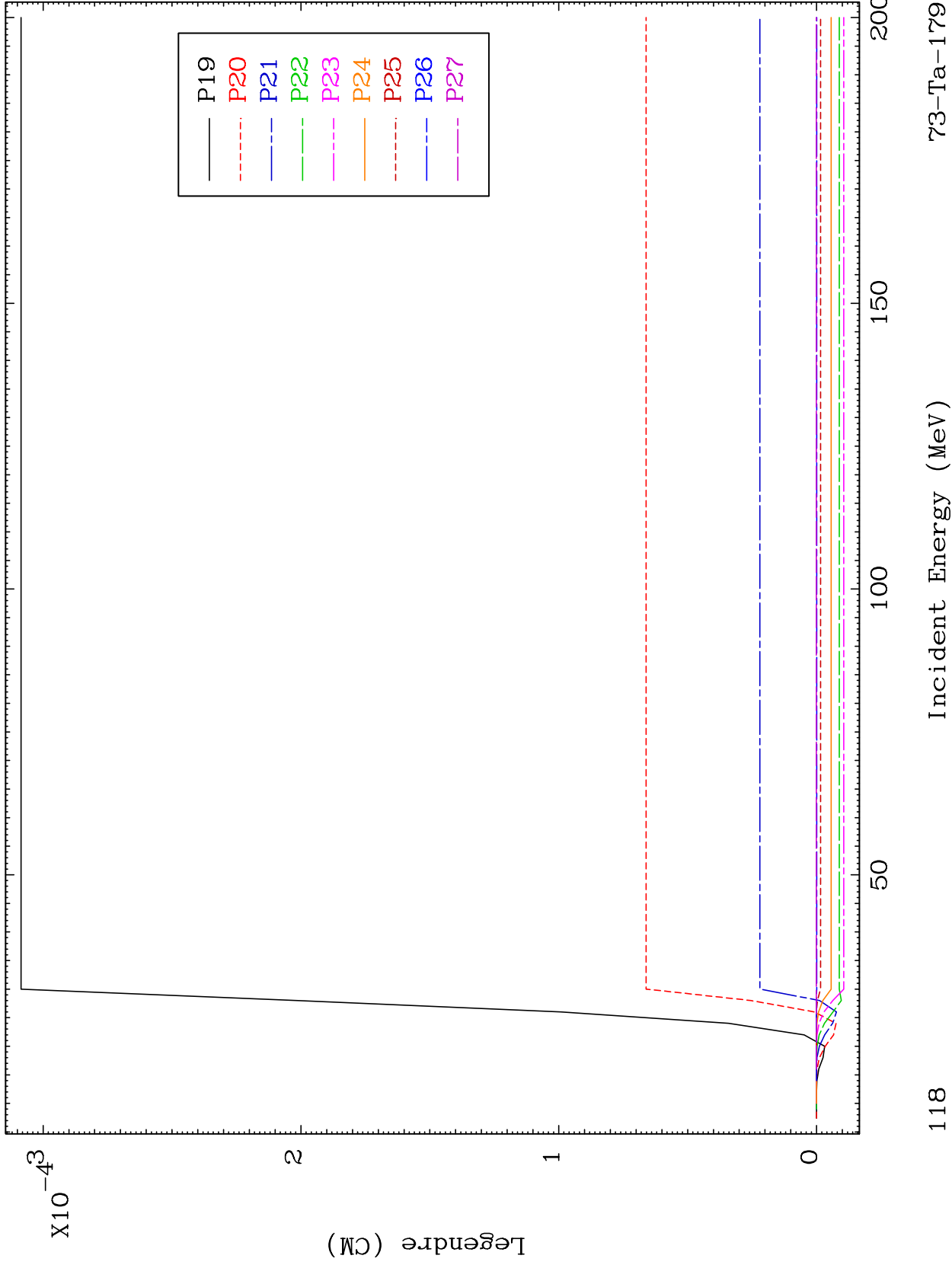
73-Ta-179



MAT 7322

825.1 keV (n,n') Level
Legendre Coefficients

73-Ta-179



118

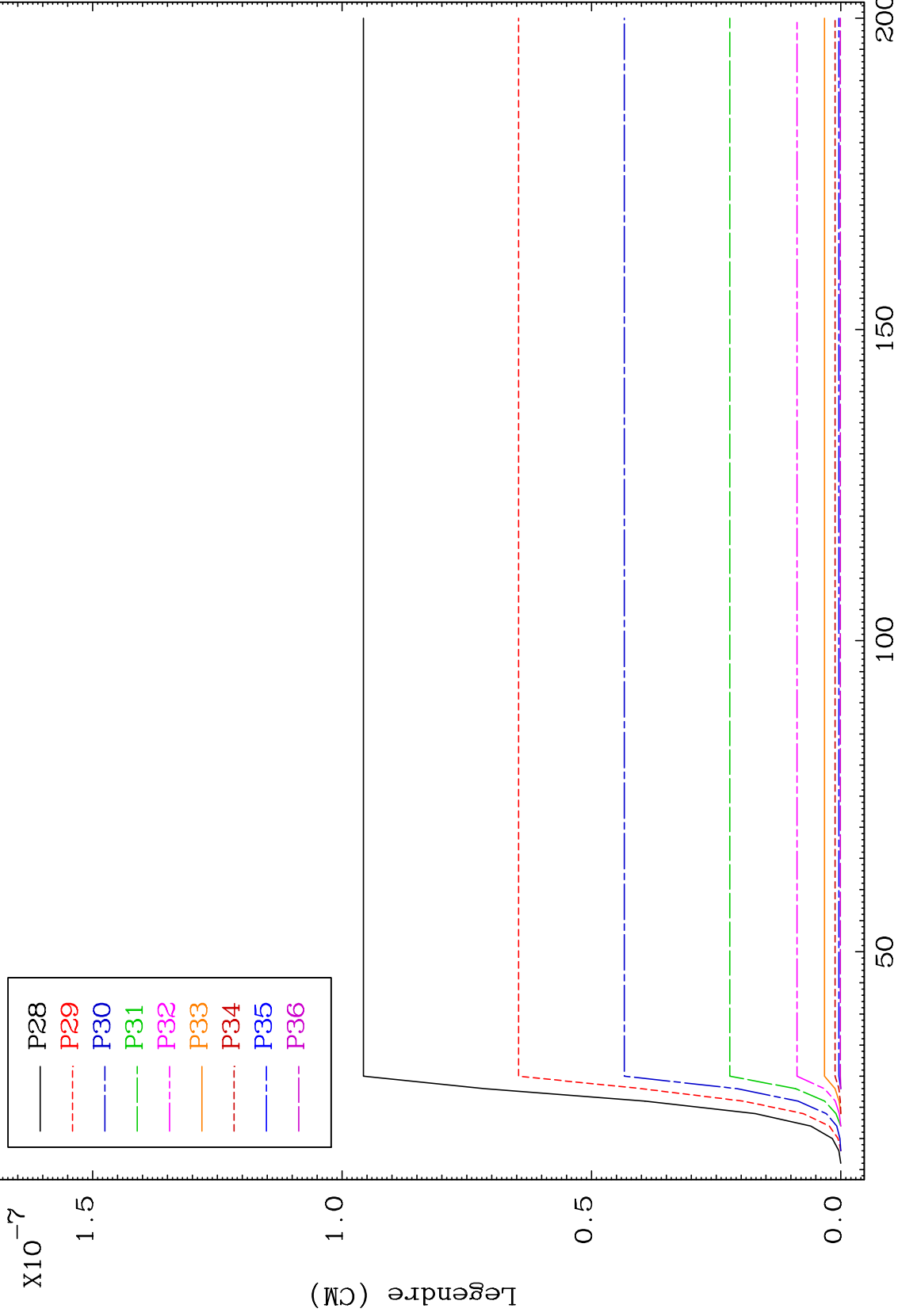
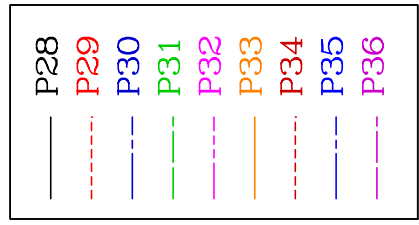
Incident Energy (MeV)

73-Ta-179

MAT 7322

825.1 keV (n,n') Level
Legendre Coefficients

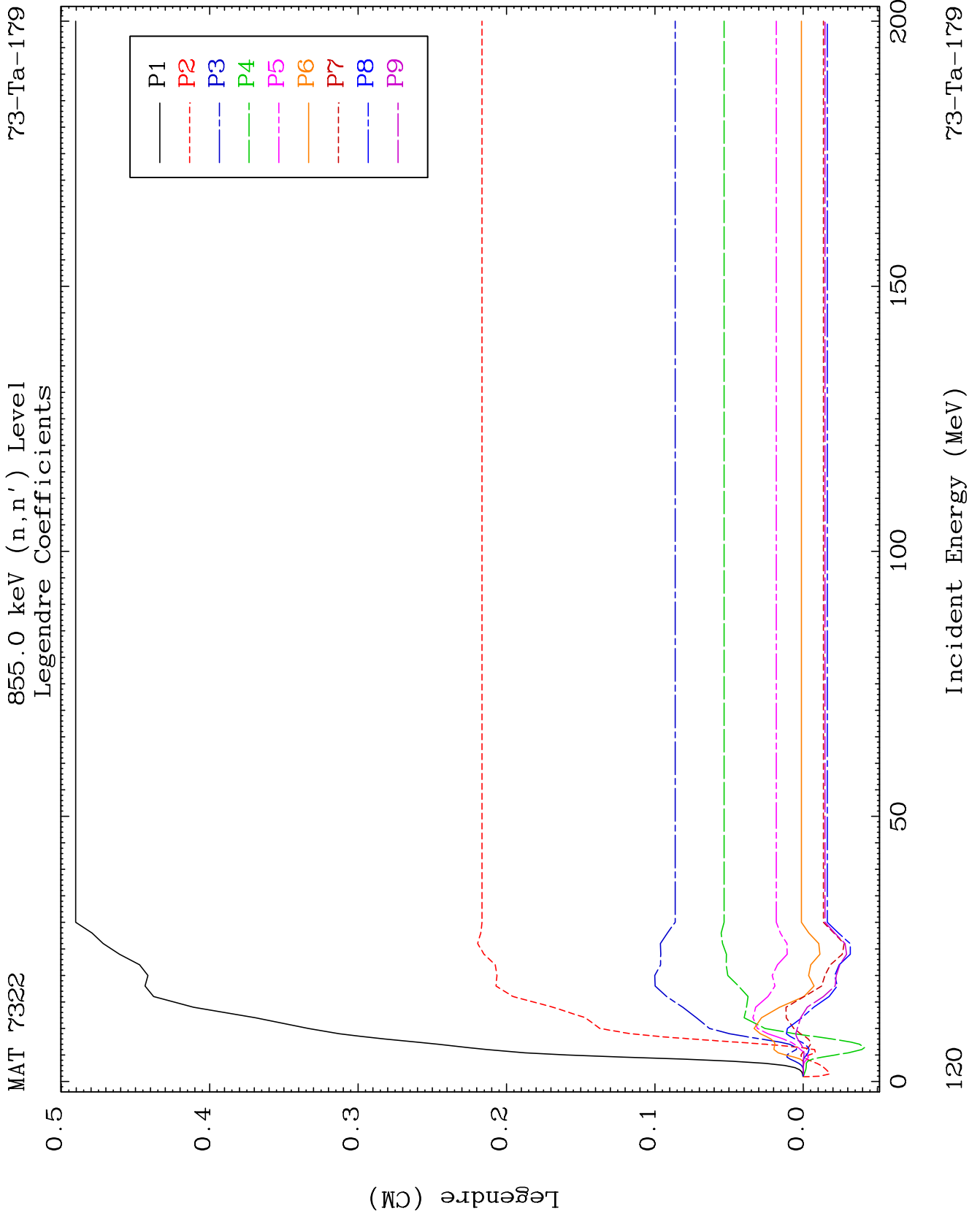
73-Ta-179

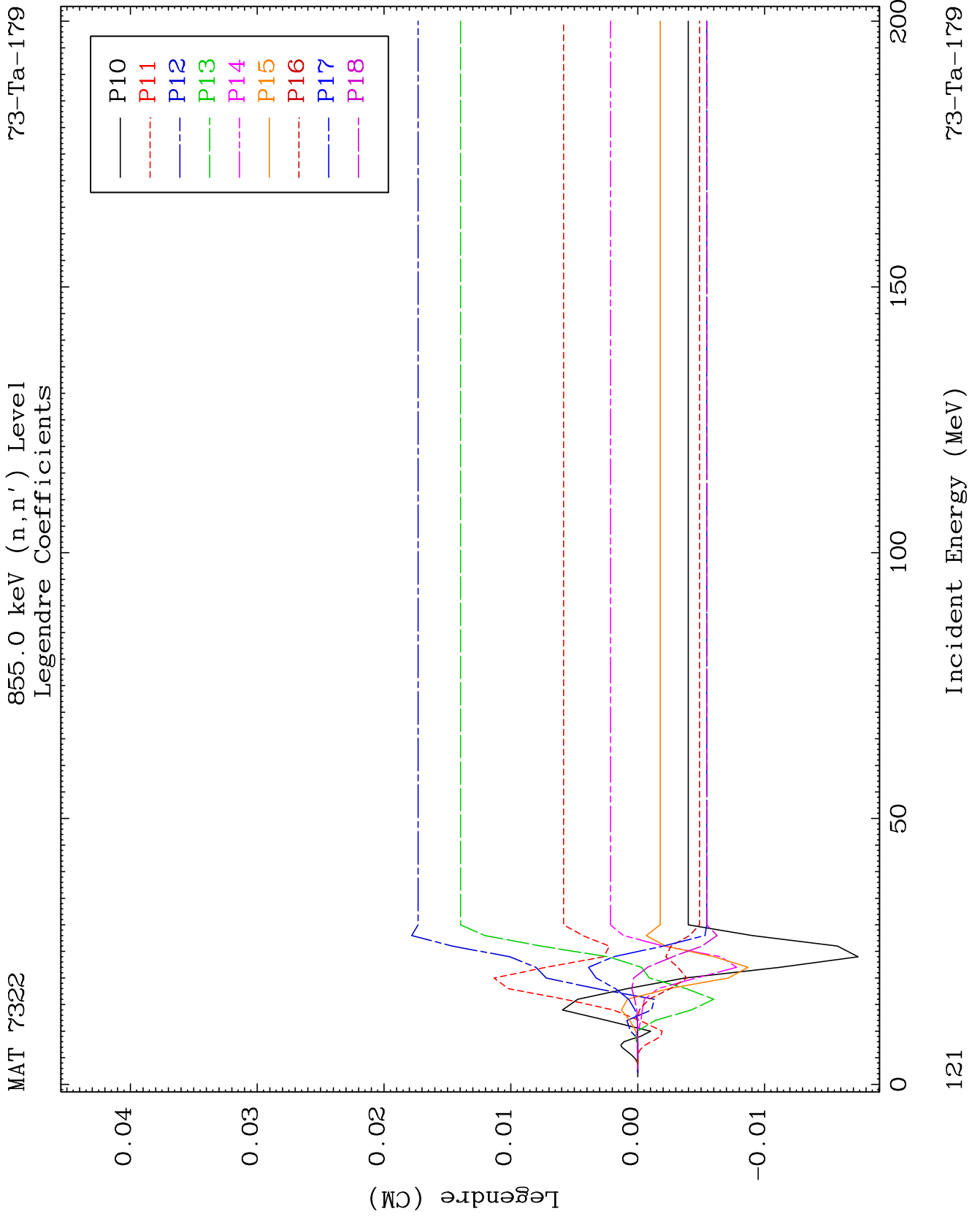


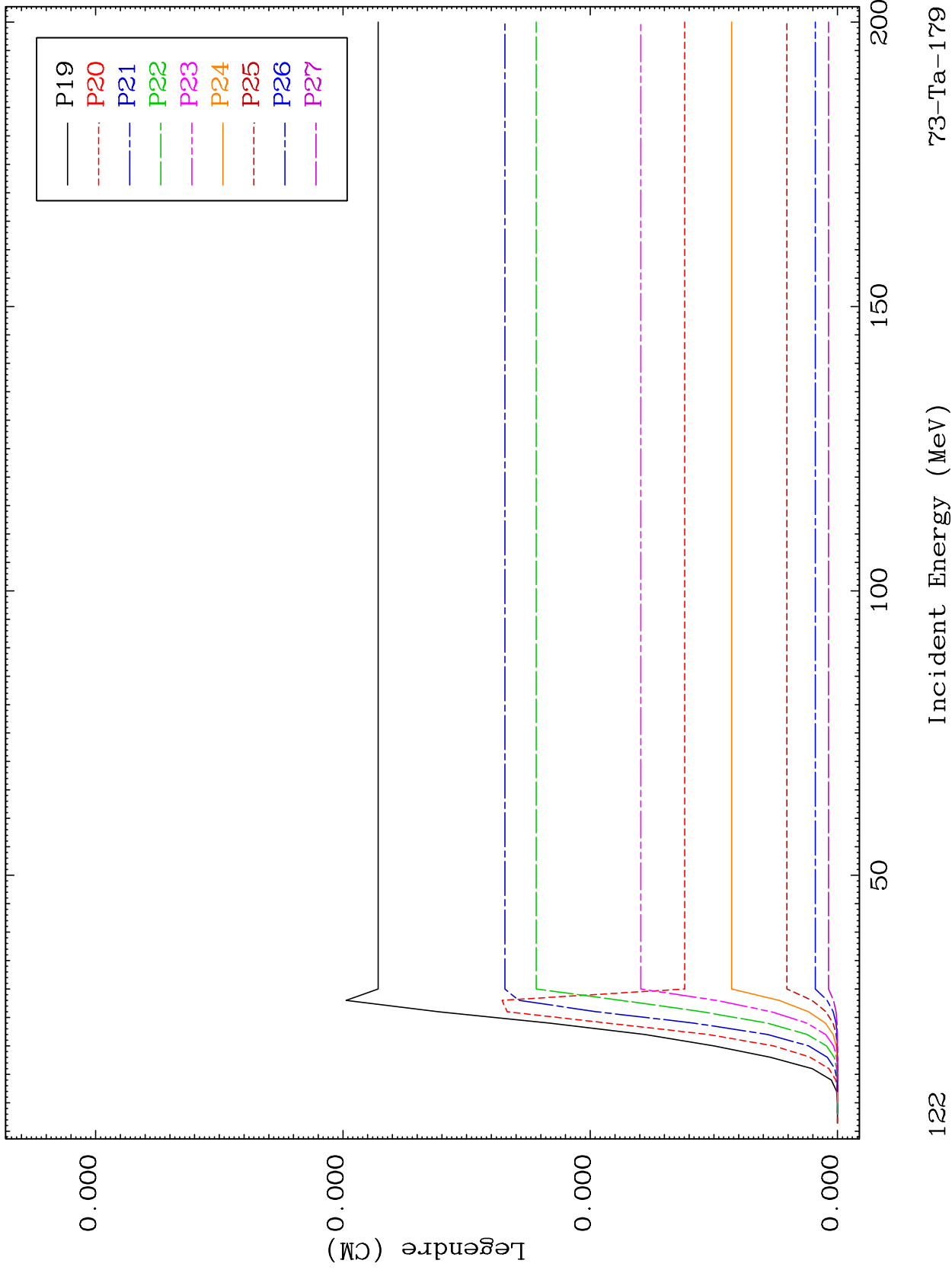
119

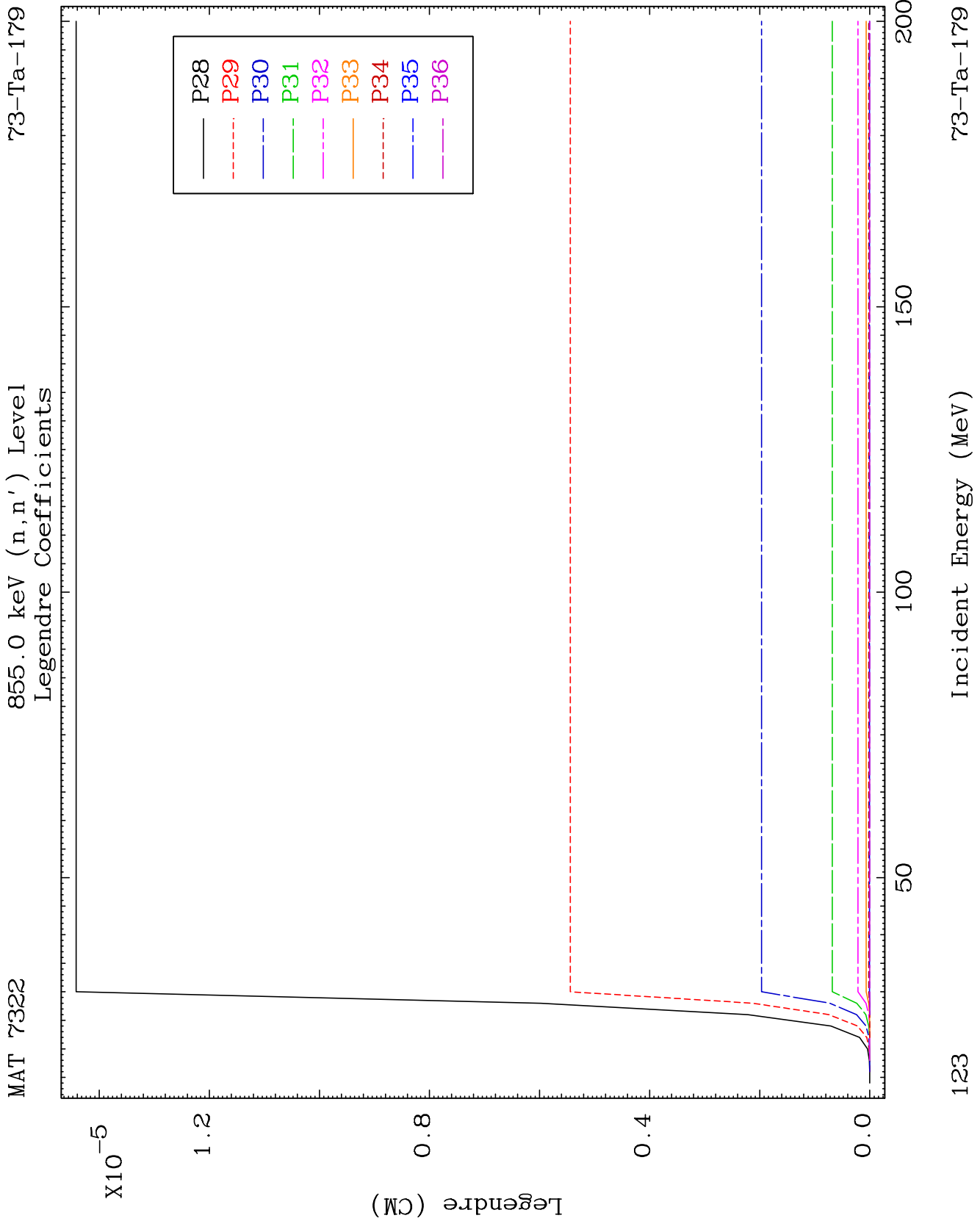
Incident Energy (MeV)

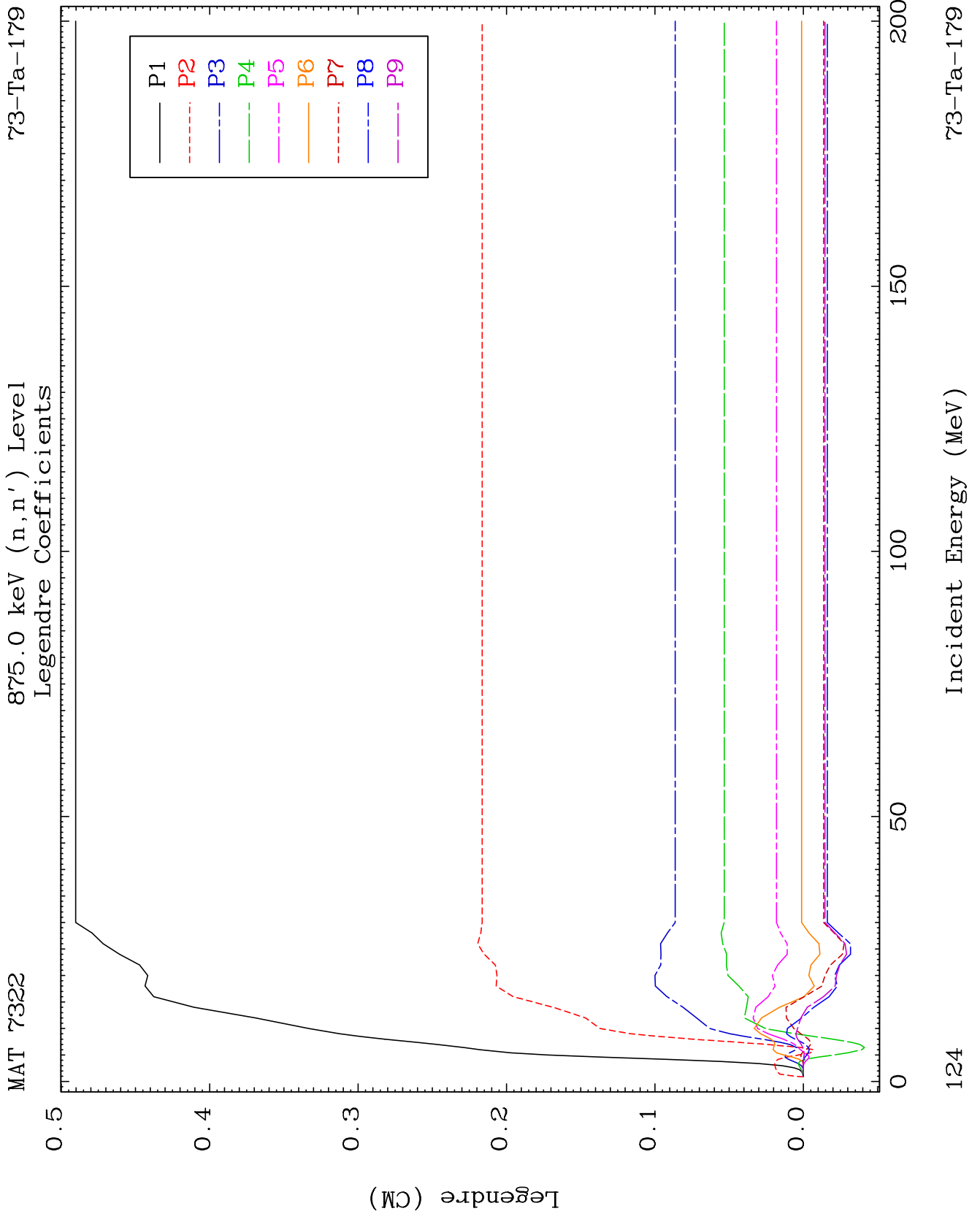
73-Ta-179

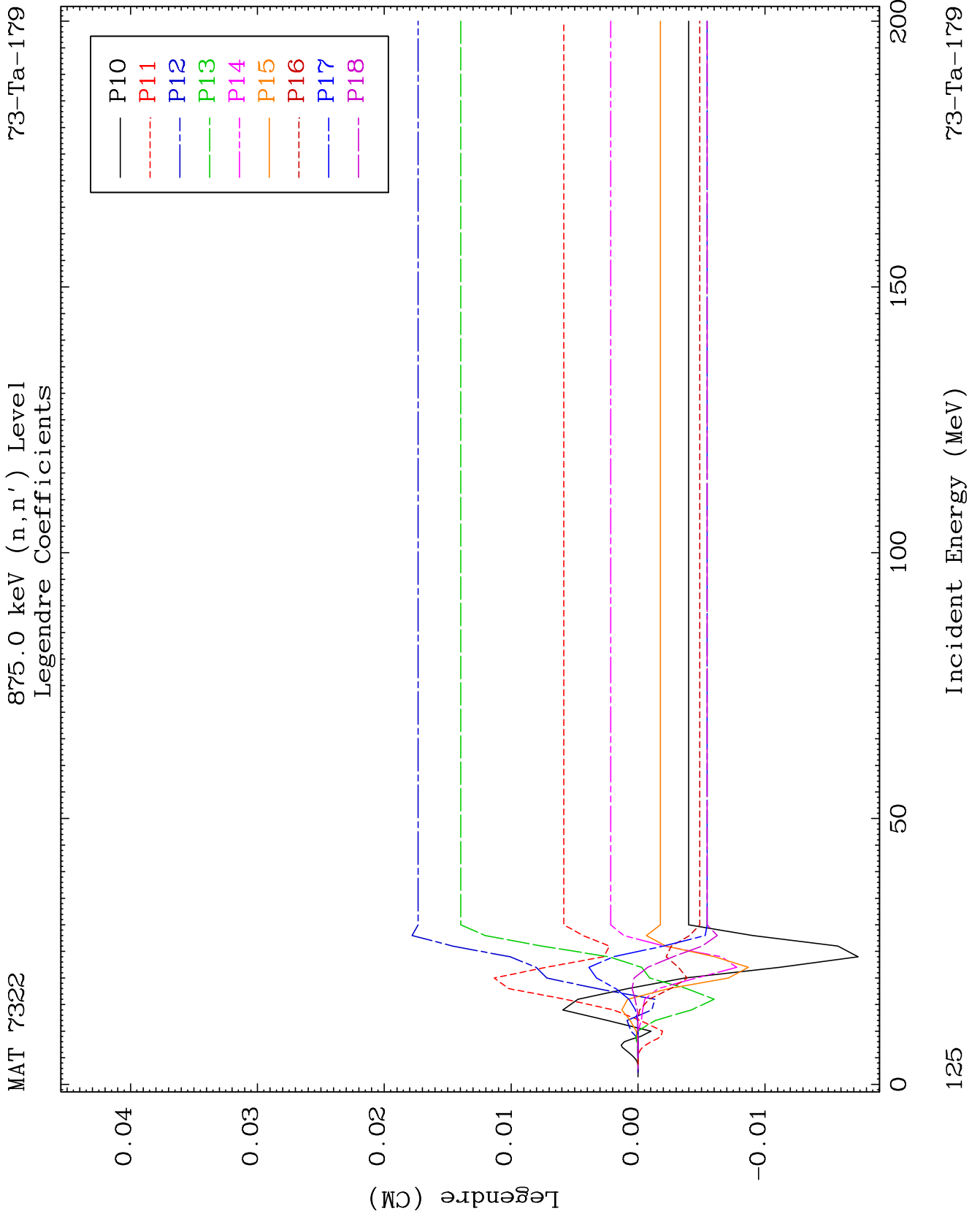








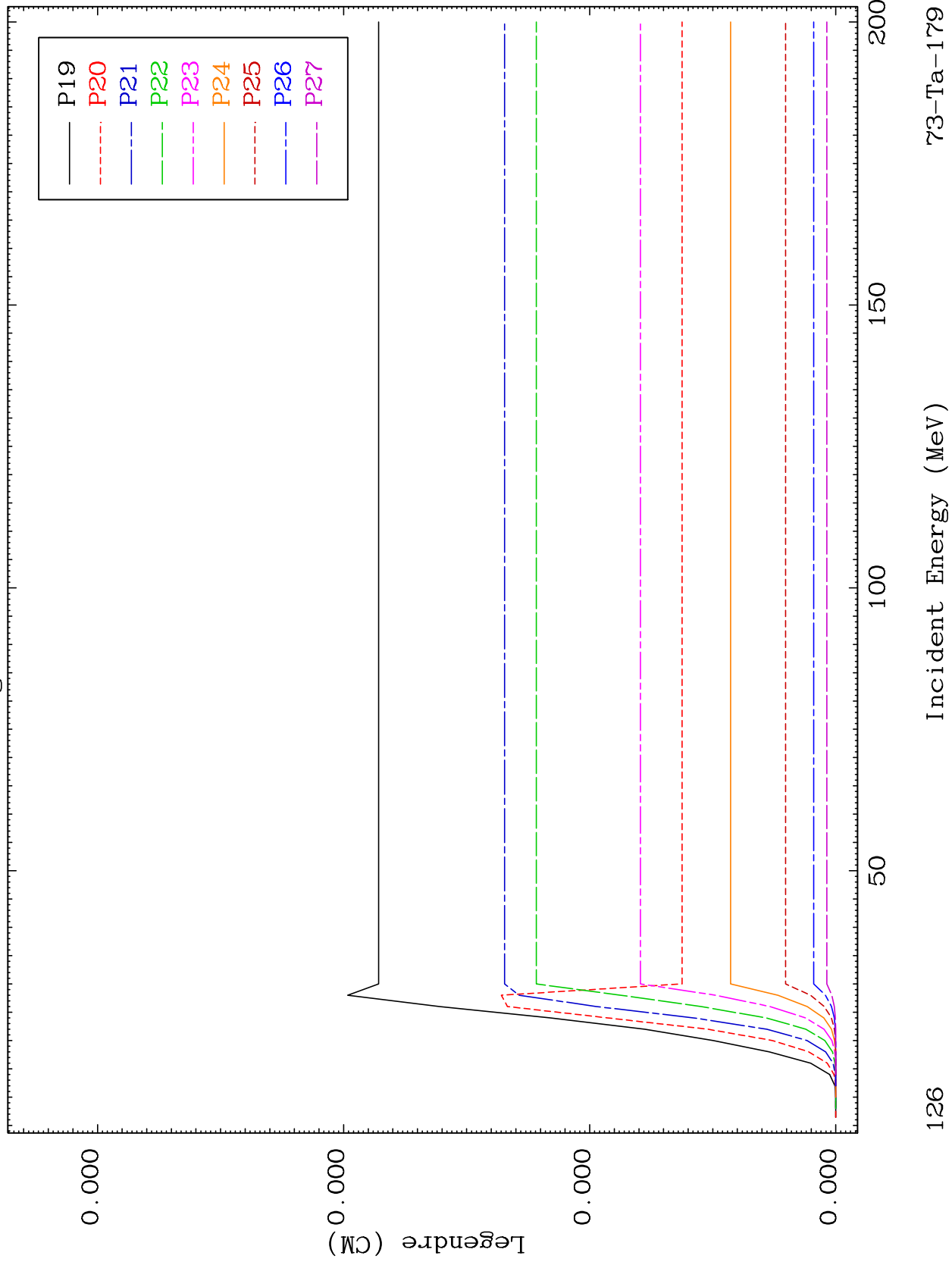




MAT 7322

875.0 keV (n,n') Level
Legendre Coefficients

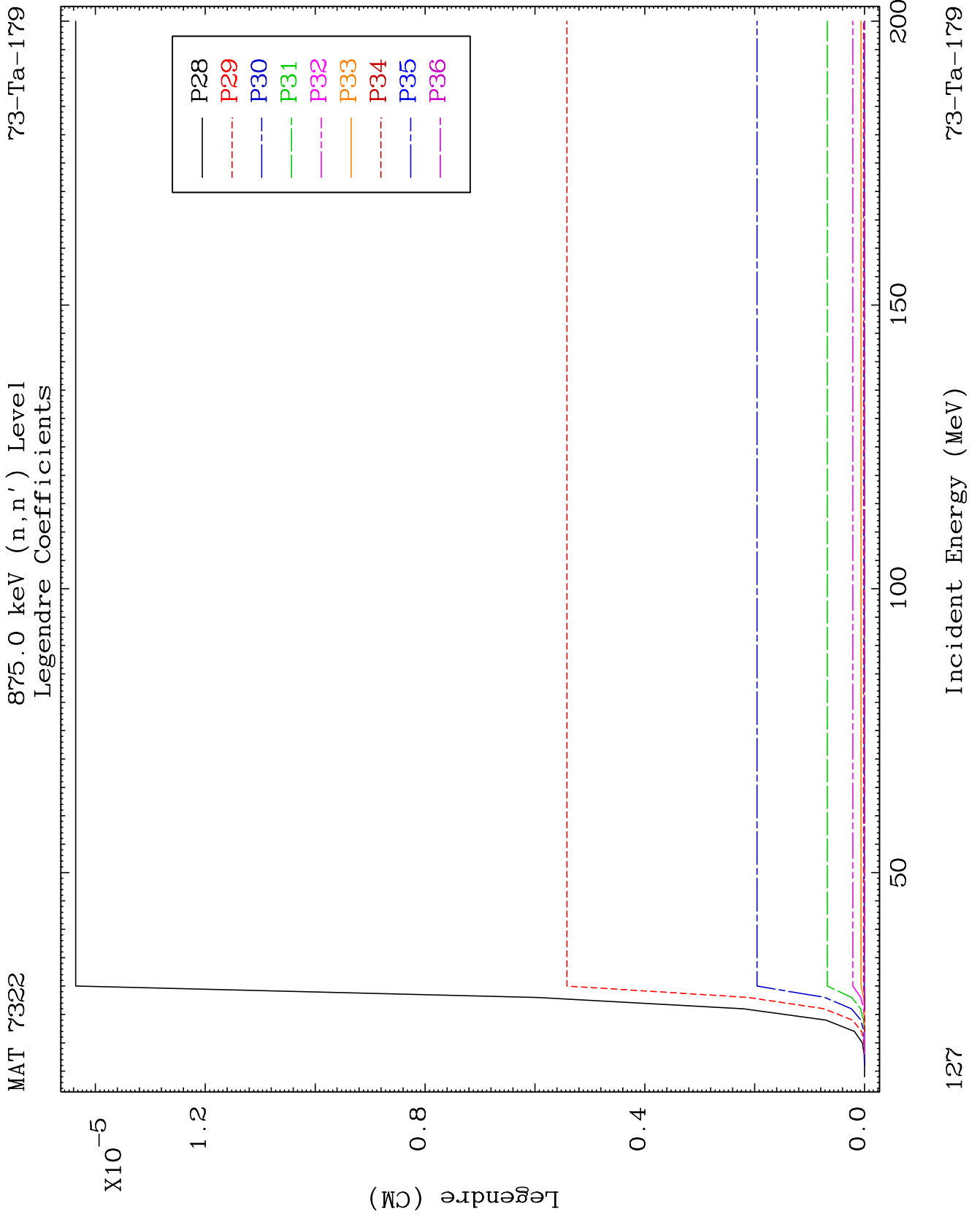
73-Ta-179

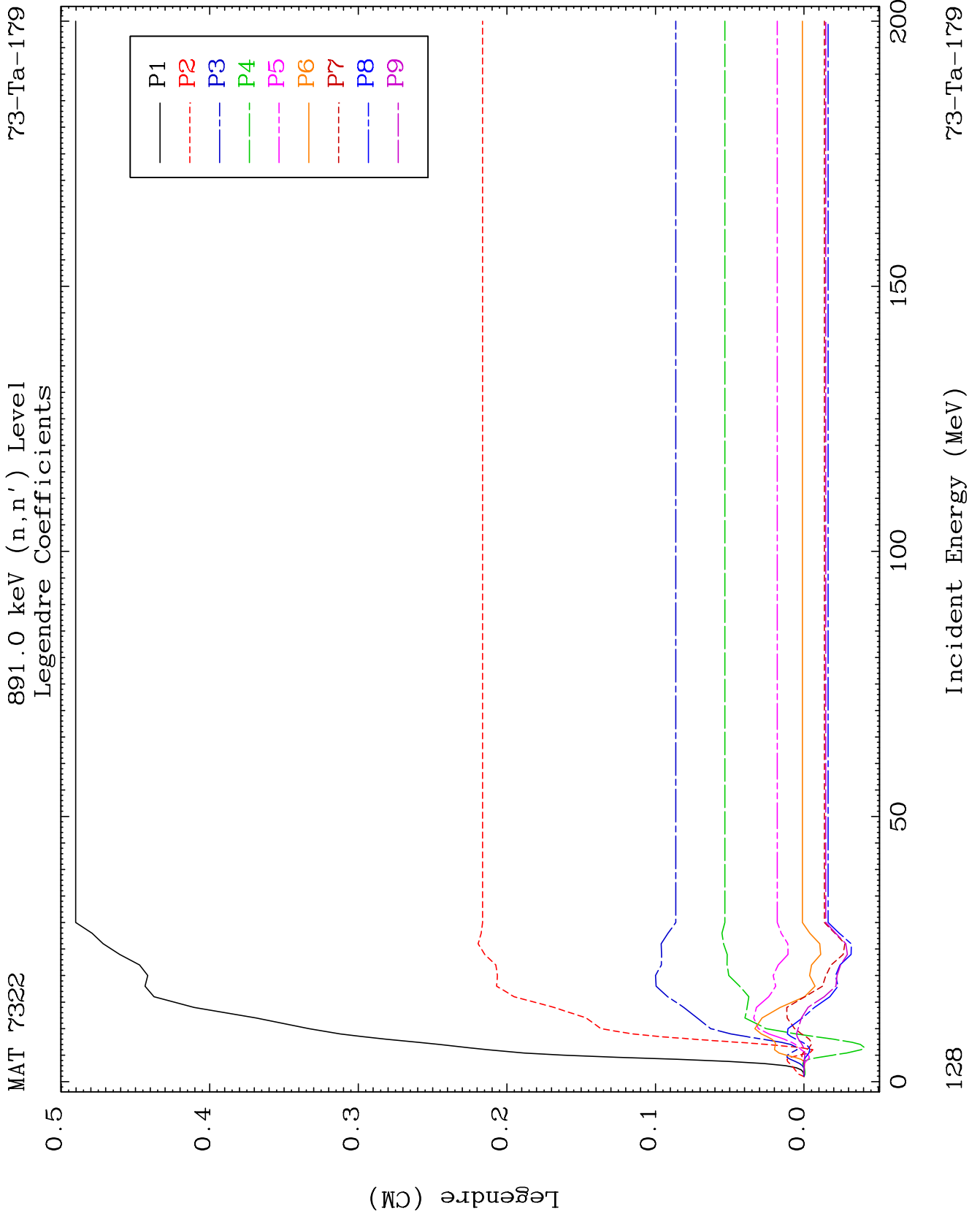


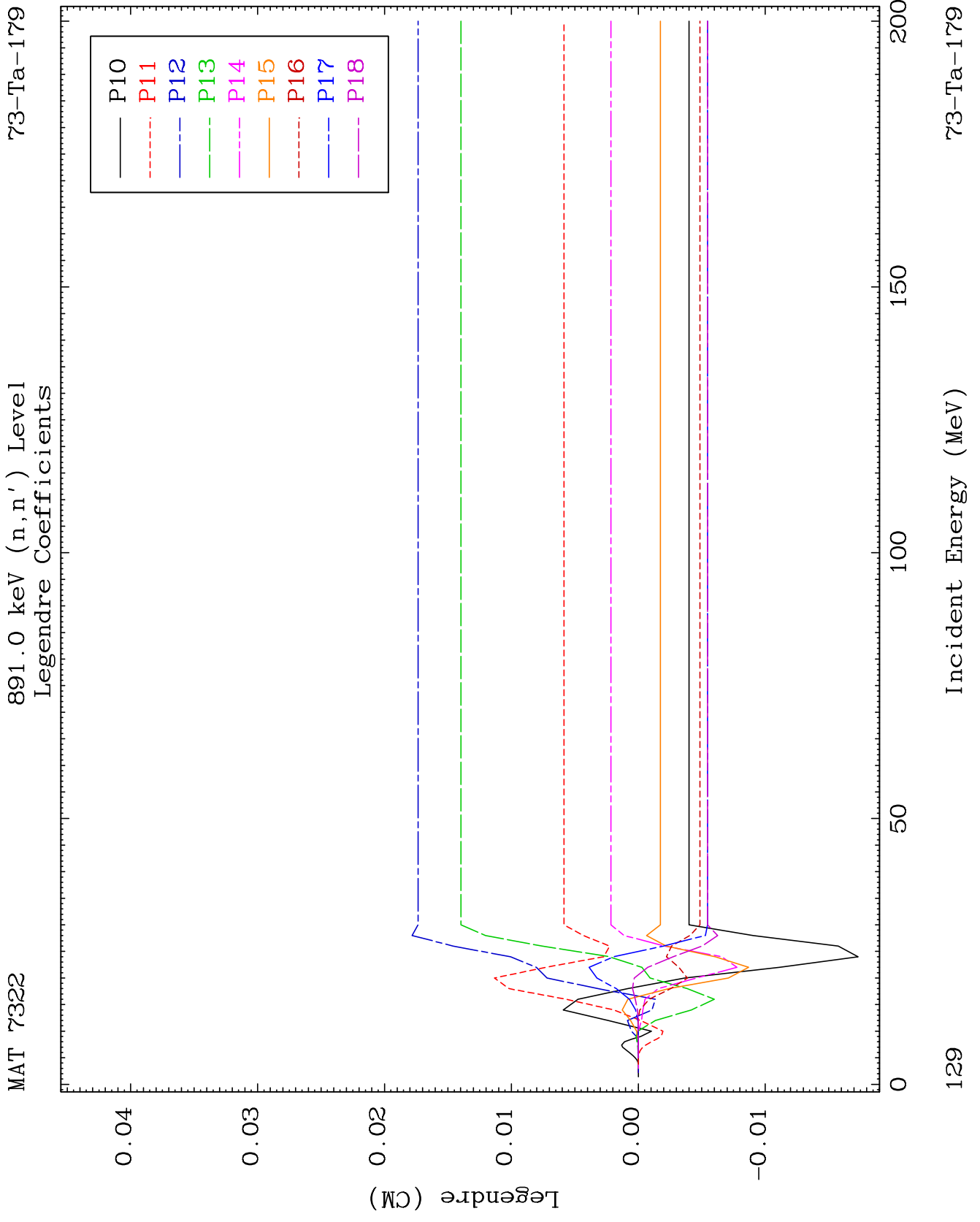
126

Incident Energy (MeV)

73-Ta-179



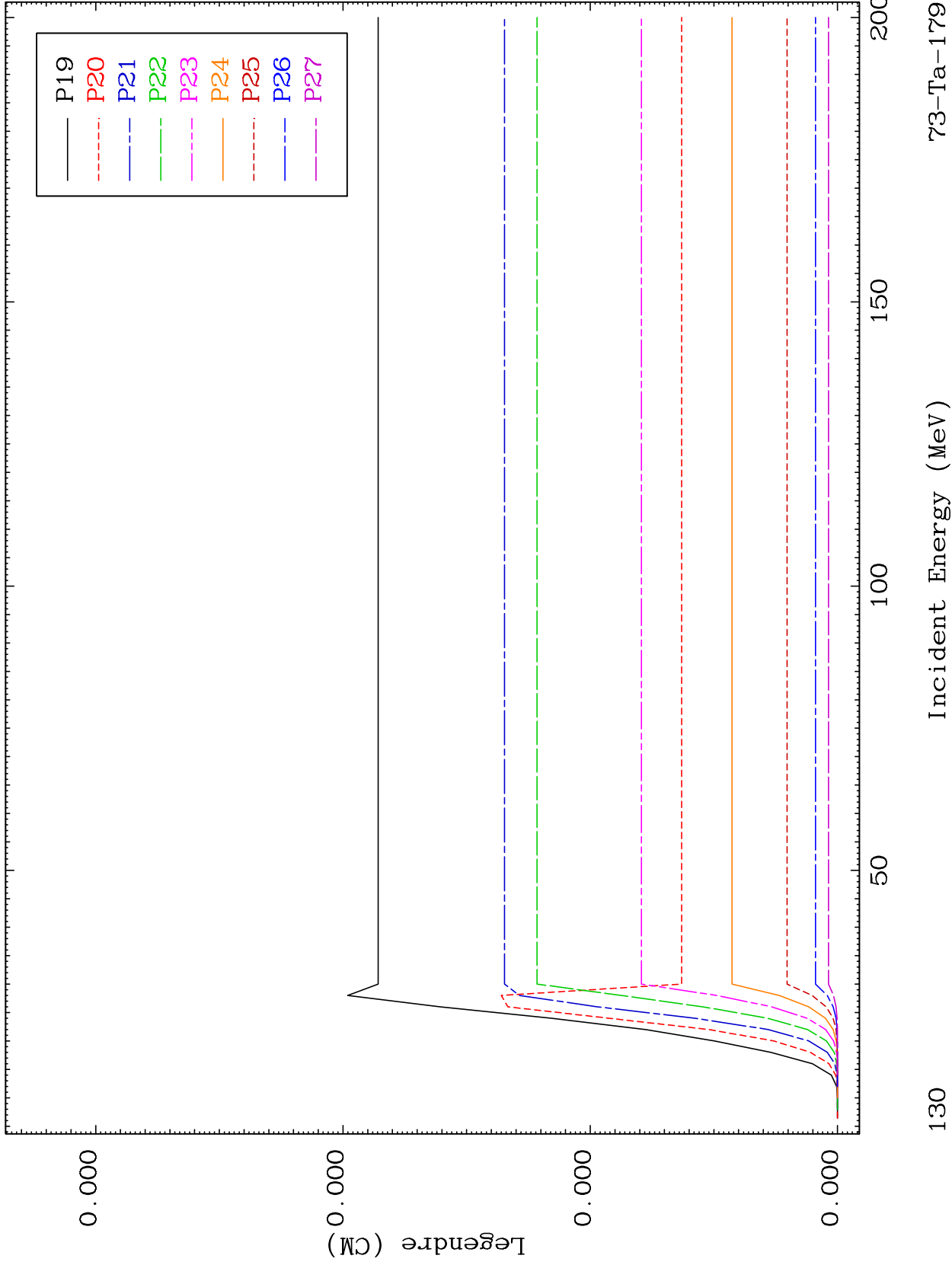




MAT 7322

891.0 keV (n,n') Level
Legendre Coefficients

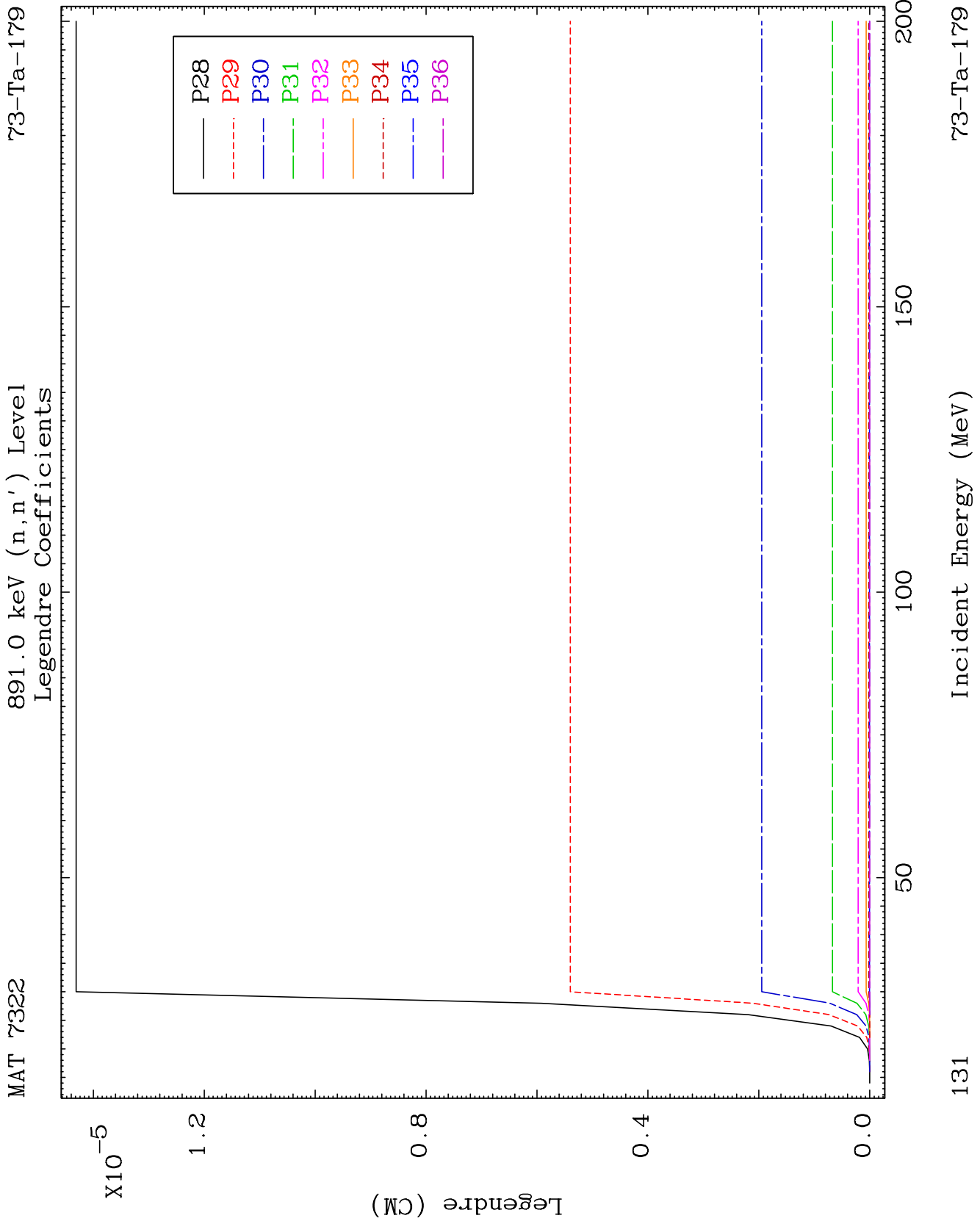
73-Ta-179

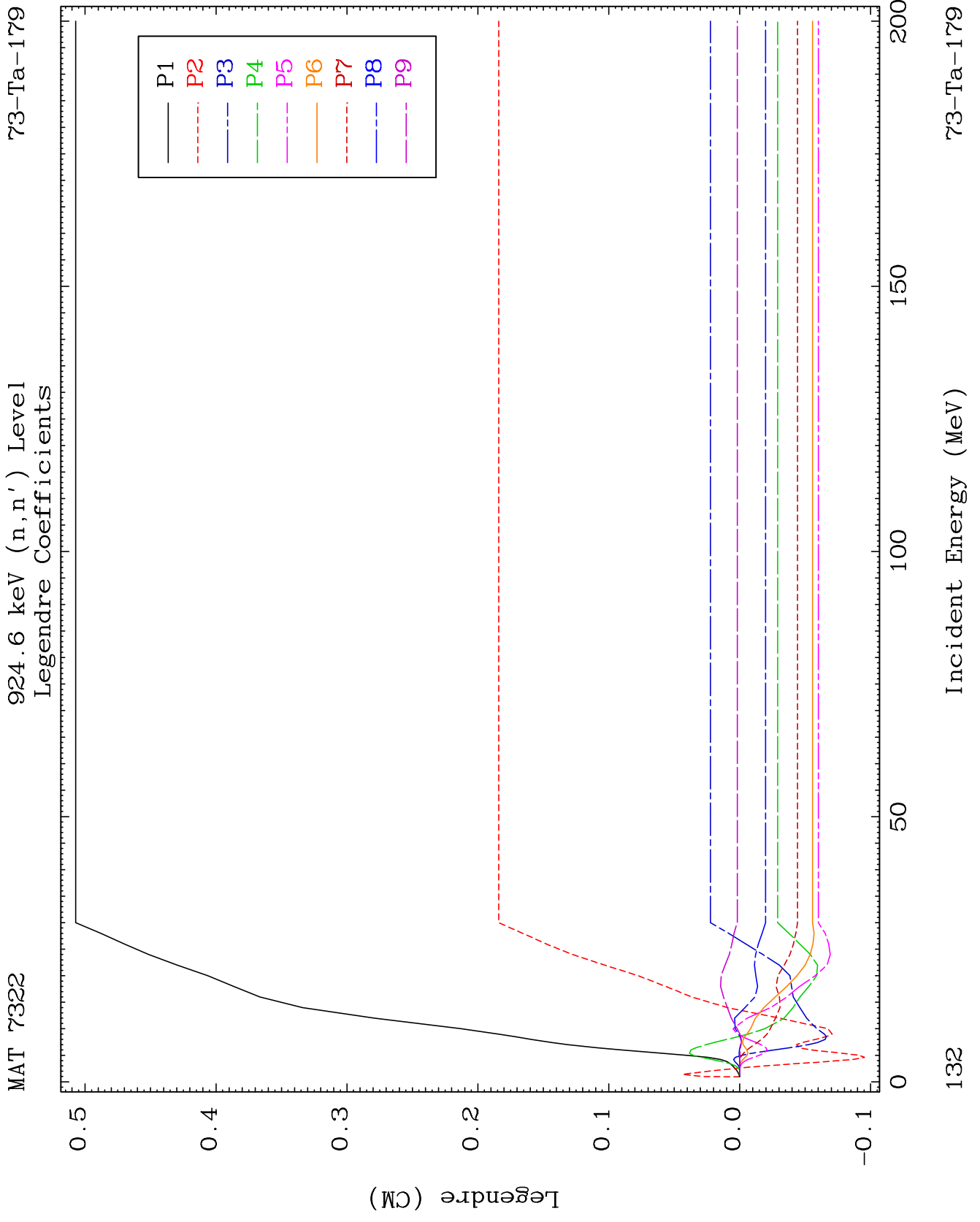


73-Ta-179

Incident Energy (MeV)

130

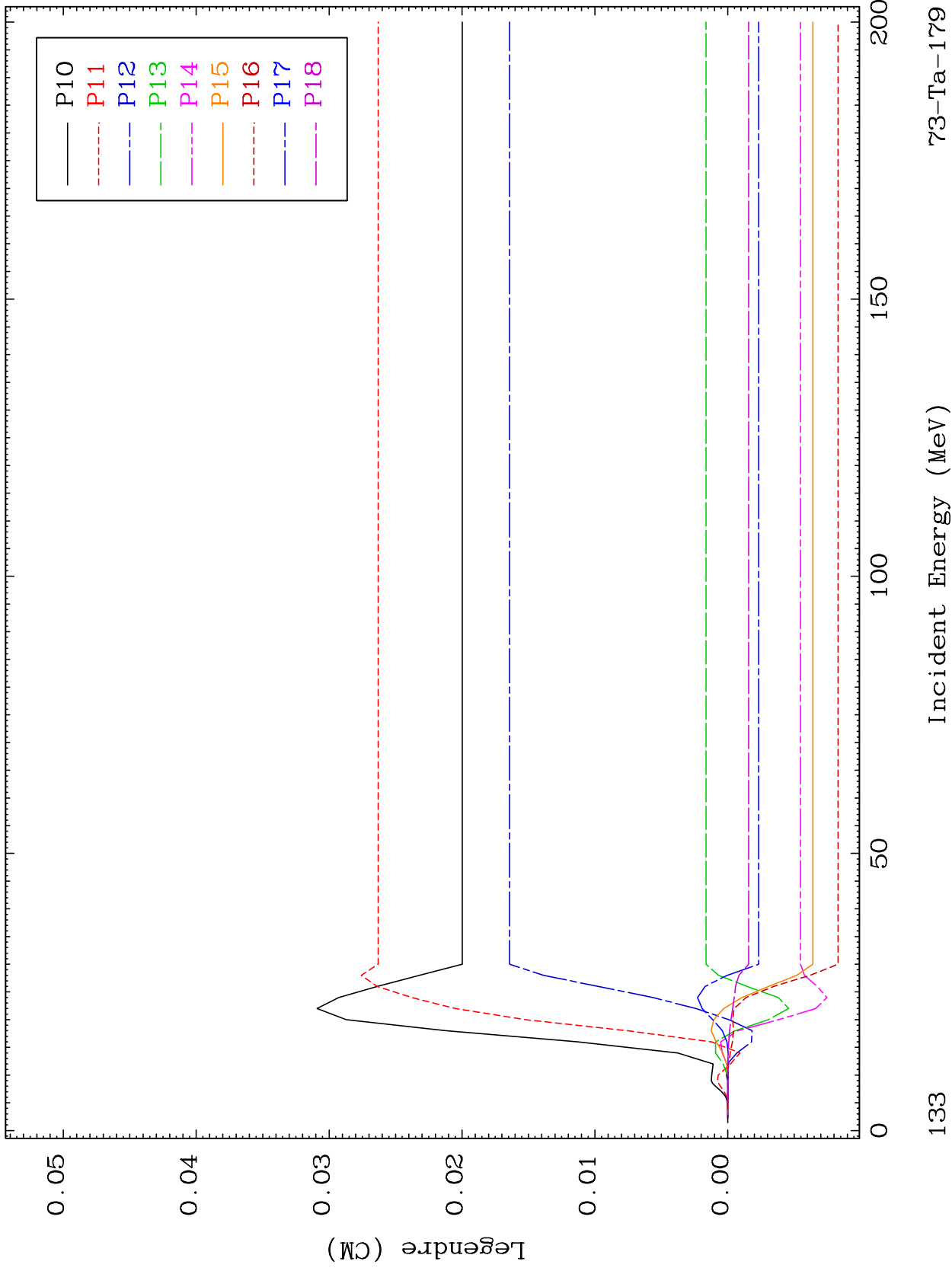


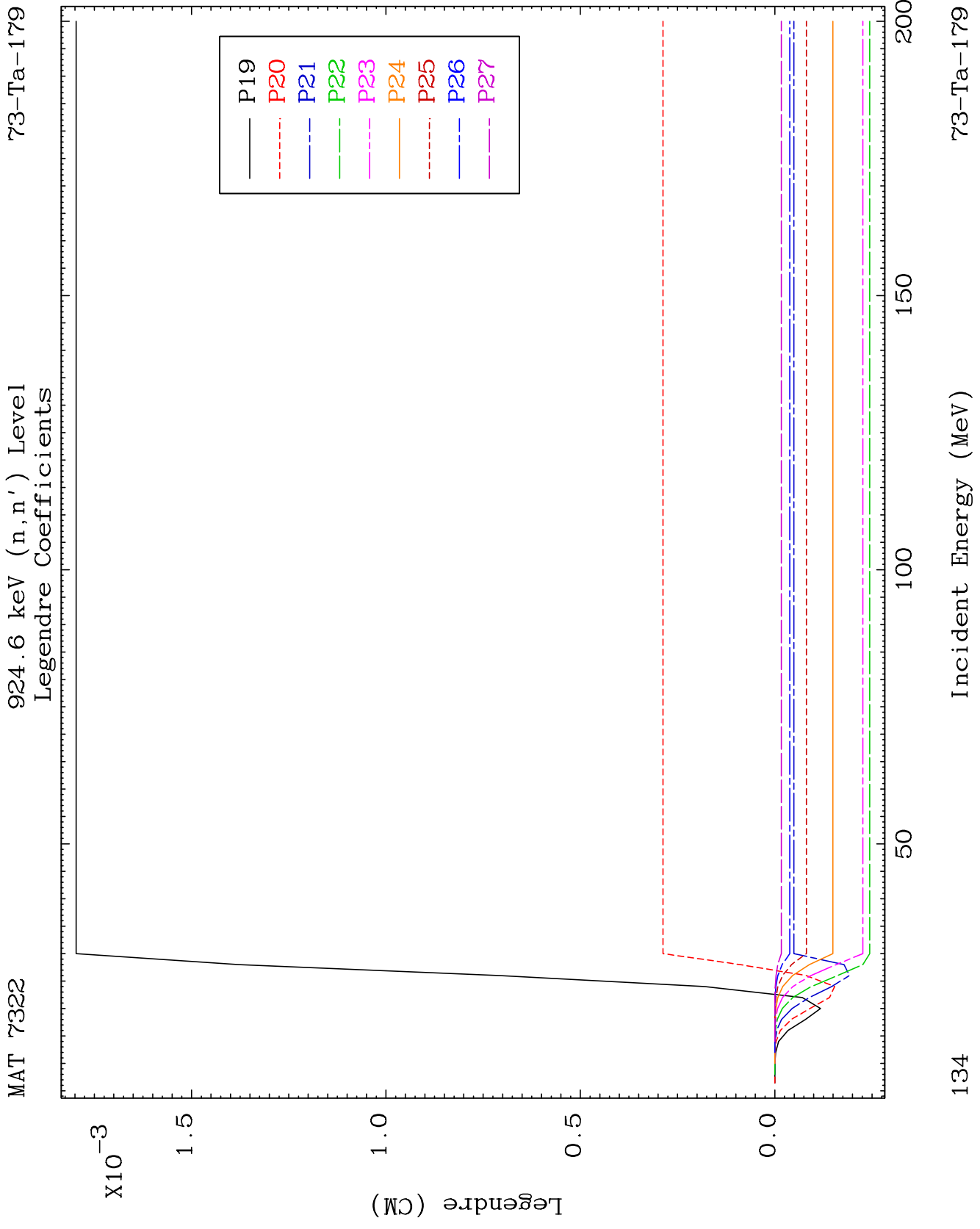


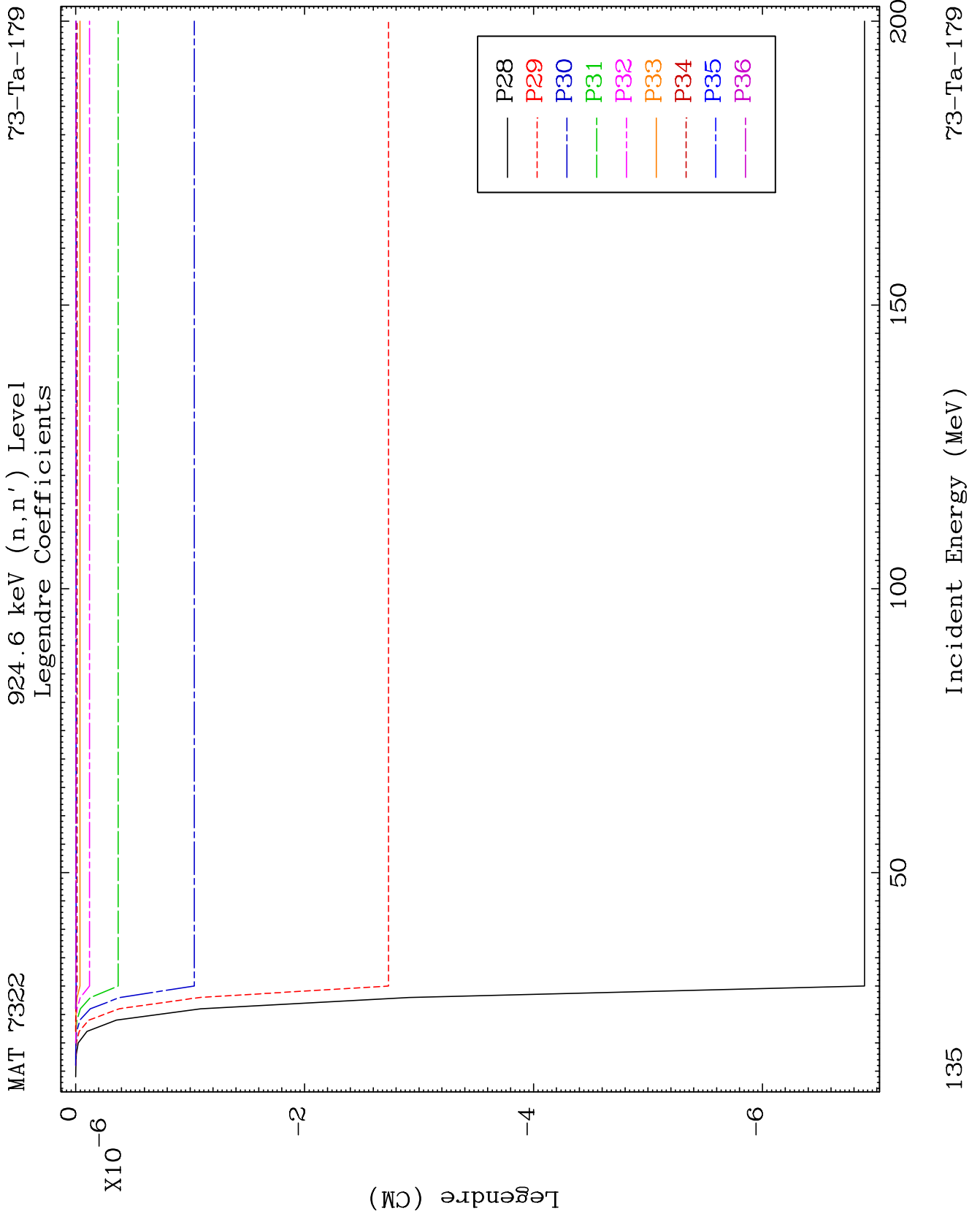
MAT 7322

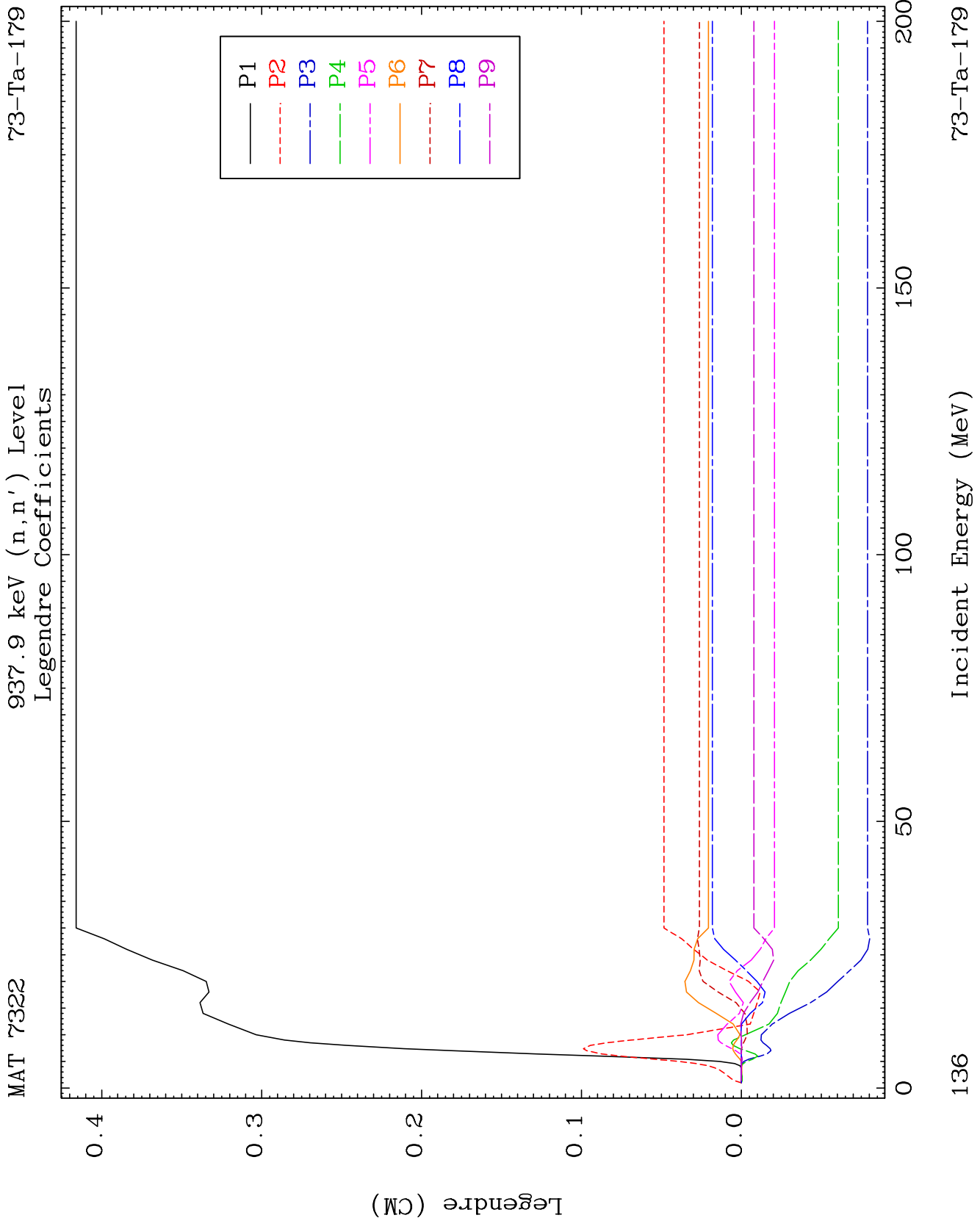
924.6 keV (n,n') Level
Legendre Coefficients

73-Ta-179





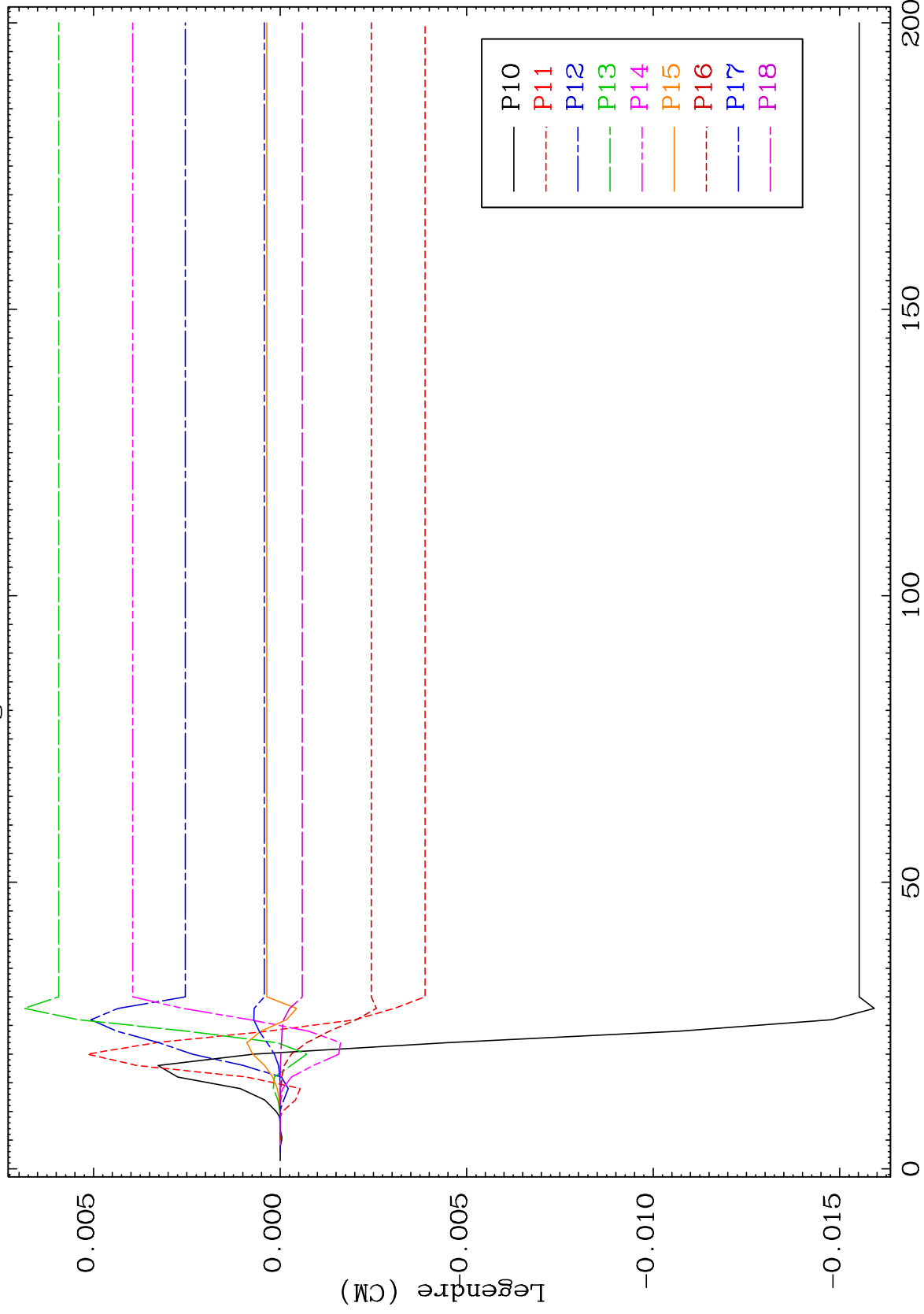




MAT 7322

937.9 keV (n,n') Level
Legendre Coefficients

73-Ta-179



137

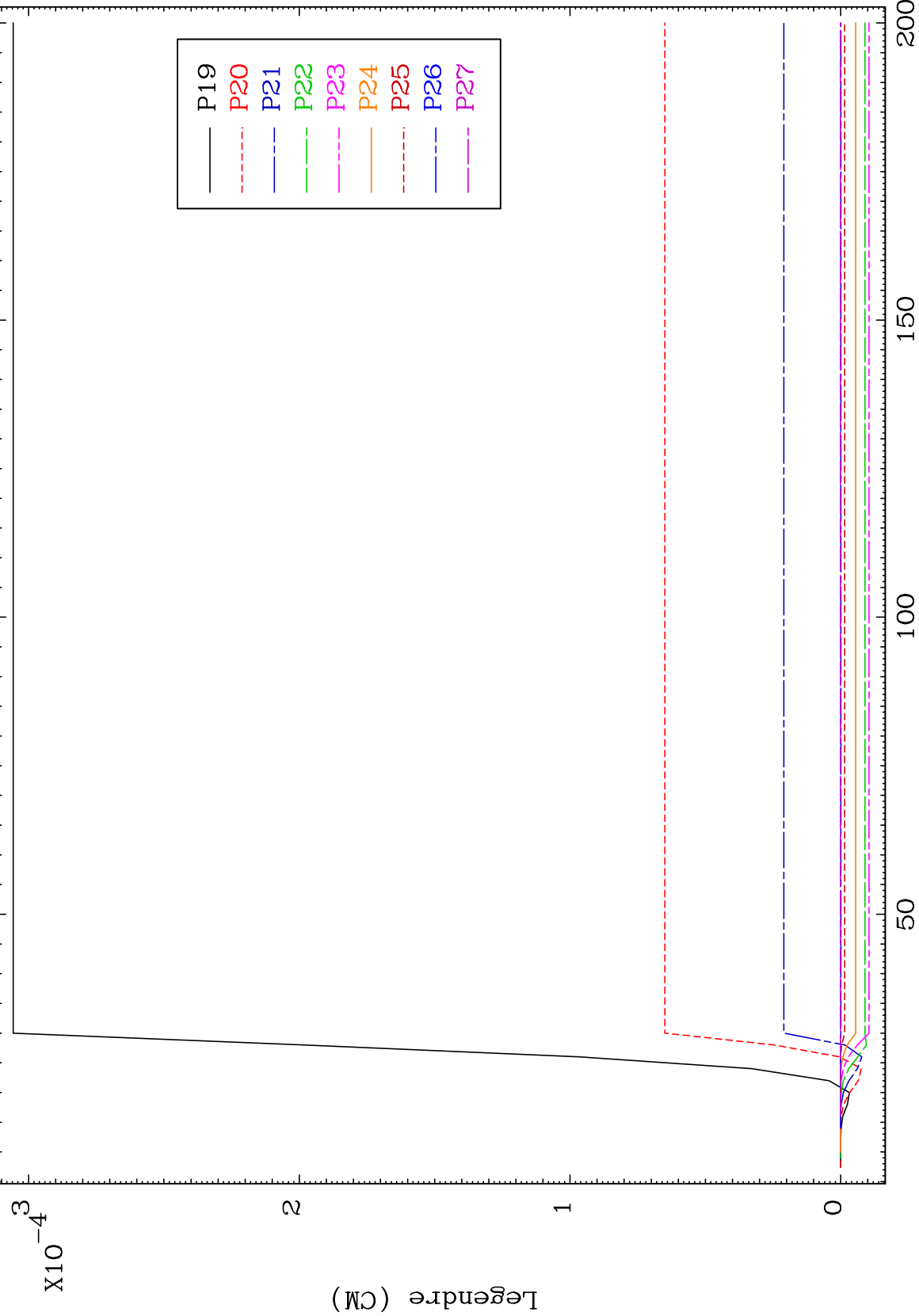
Incident Energy (MeV)

73-Ta-179

MAT 7322

937.9 keV (n,n') Level
Legendre Coefficients

73-Ta-179



138

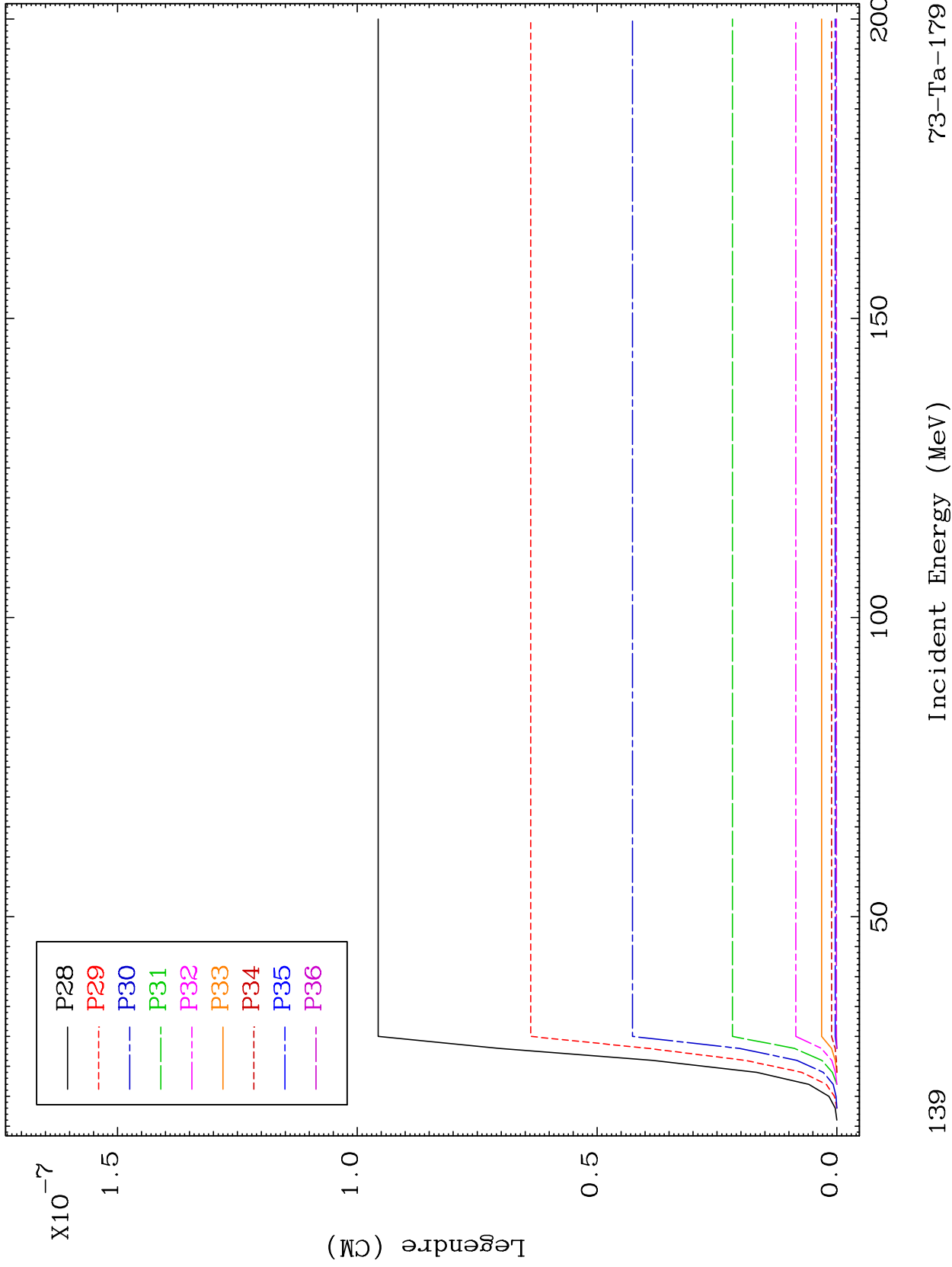
Incident Energy (MeV)

73-Ta-179

MAT 7322

937.9 keV (n,n') Level
Legendre Coefficients

73-Ta-179



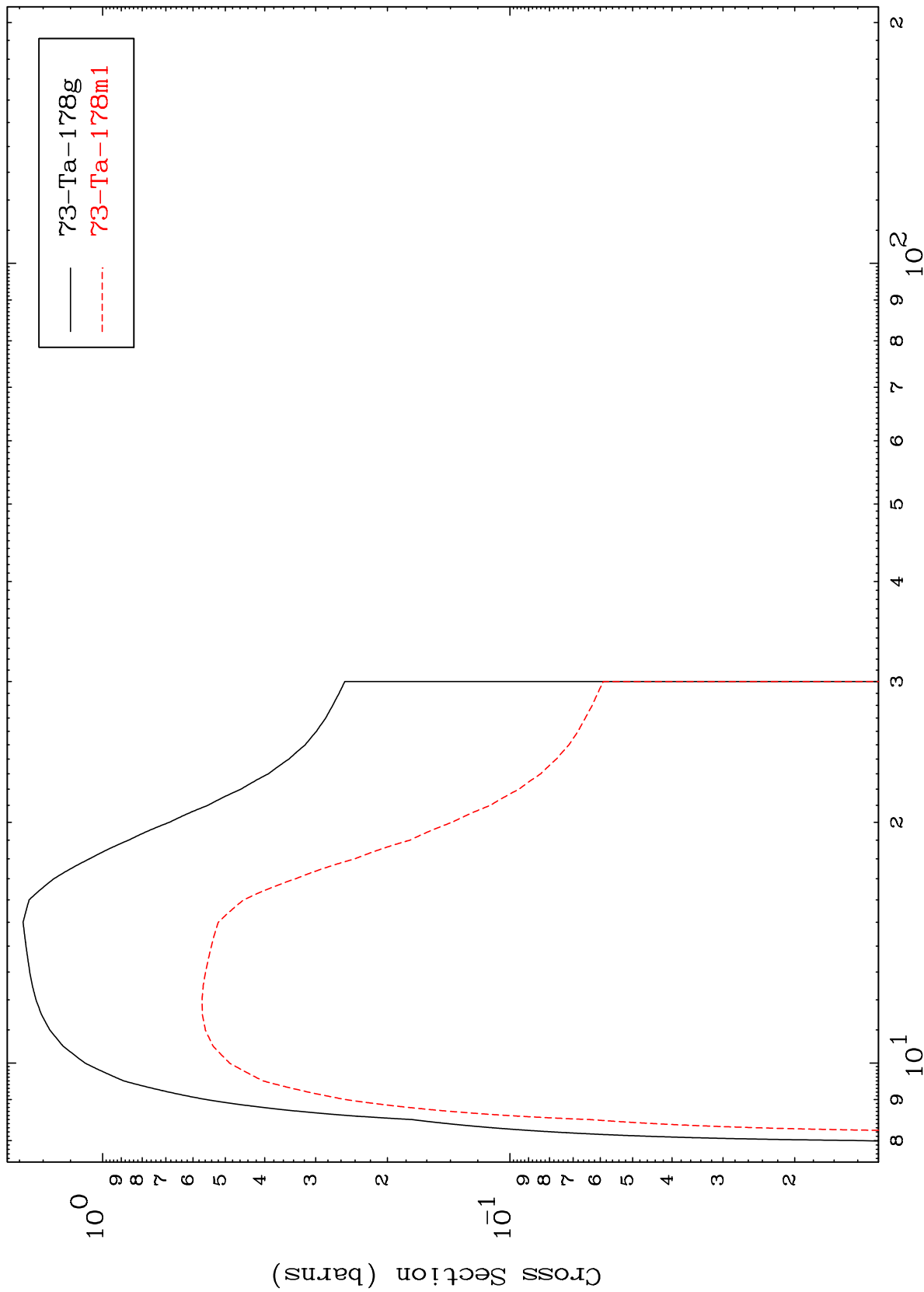
139

MAT 7322

⁷³Ta-179

(n,2n)

Radionuclide Production Cross Section



140

Incident Energy (MeV)

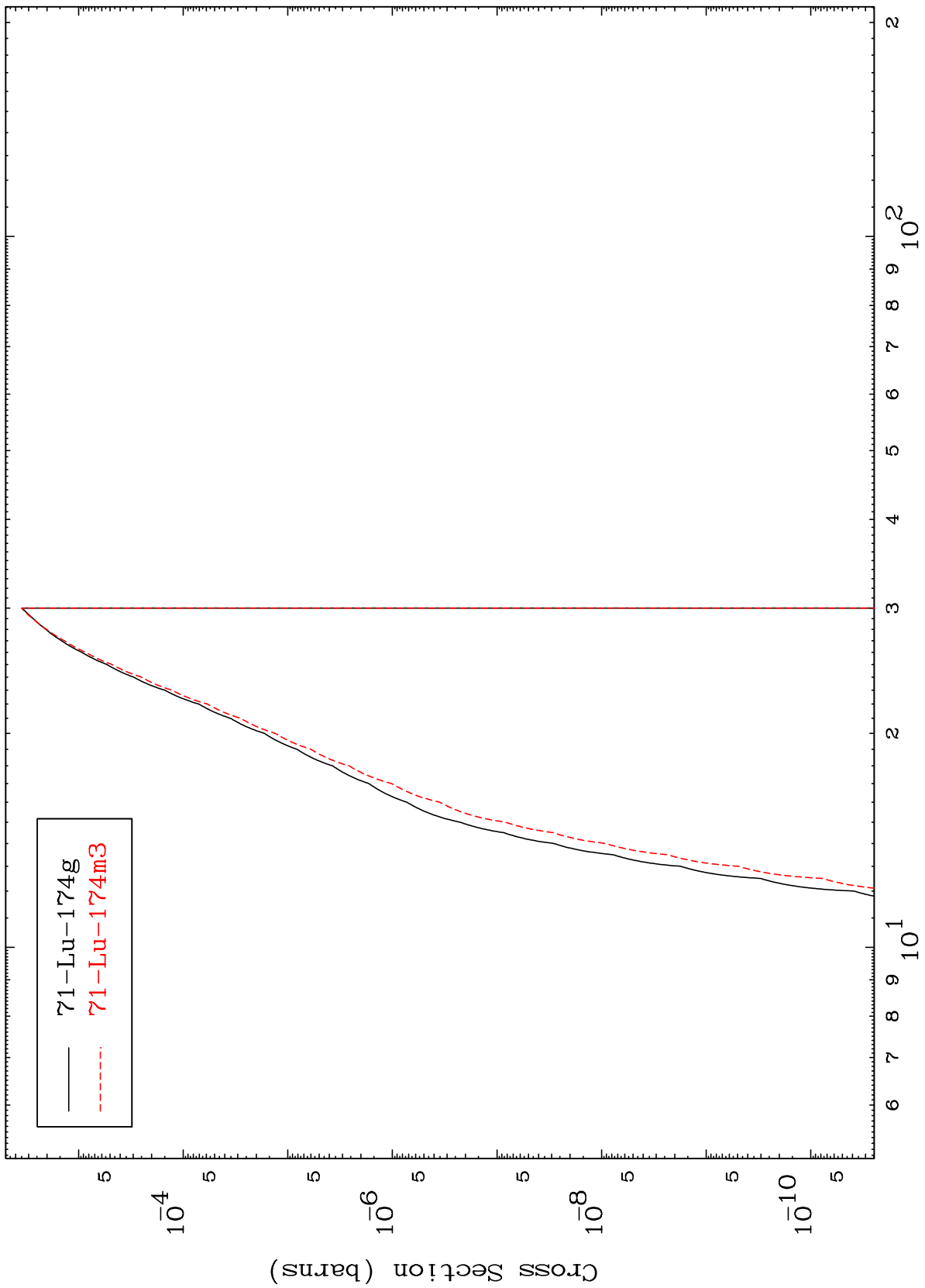
⁷³Ta-179

MAT 7322

$(n,2n)$ α

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

Radionuclide Production Cross Section



— $^{71}\text{Lu-174g}$
- - - $^{71}\text{Lu-174m3}$

141

Incident Energy (MeV)

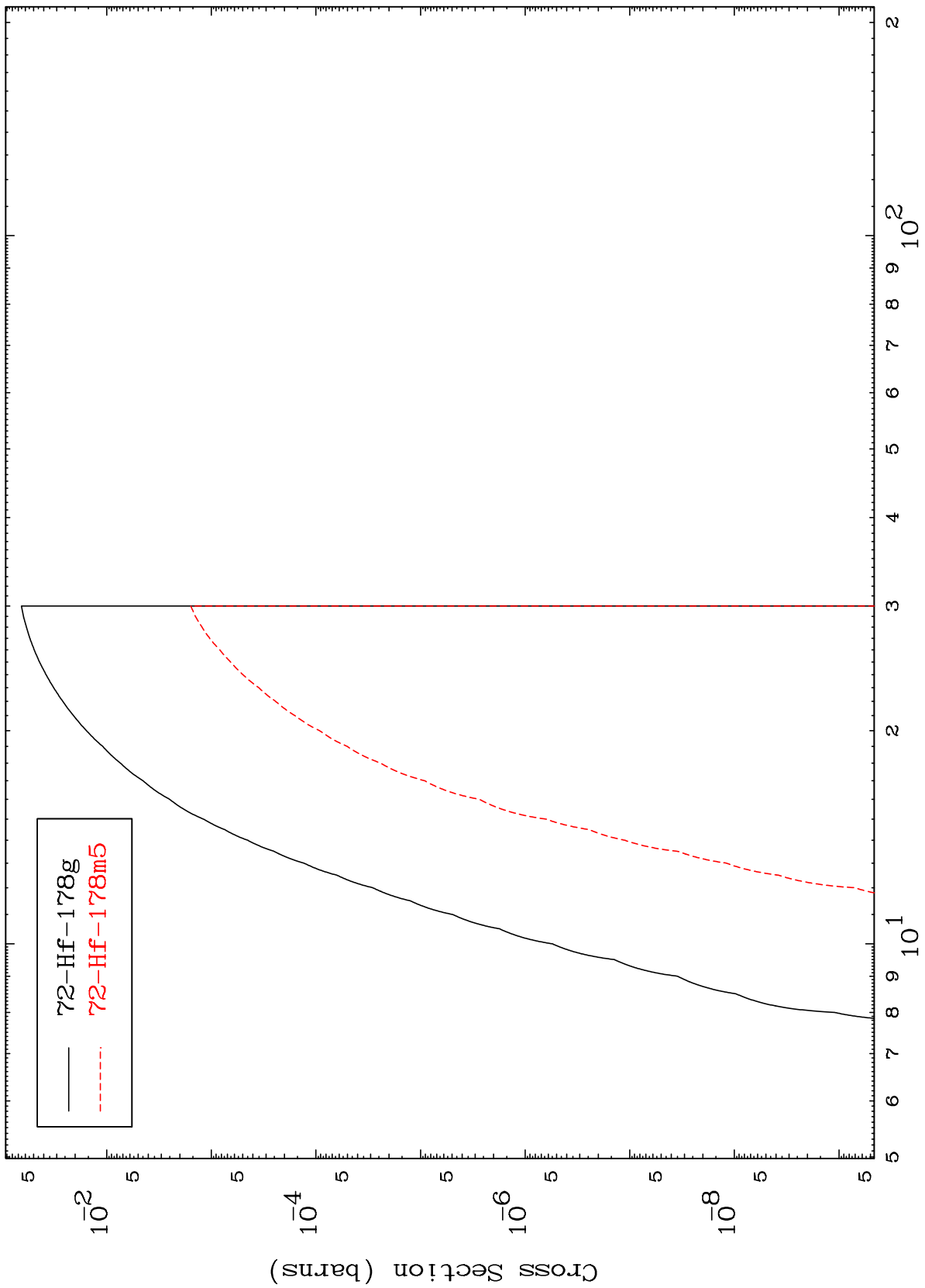
$^{73}\text{Ta-179}$

MAT 7322

(n,n') p

73-Ta-179

Radionuclide Production Cross Section



142

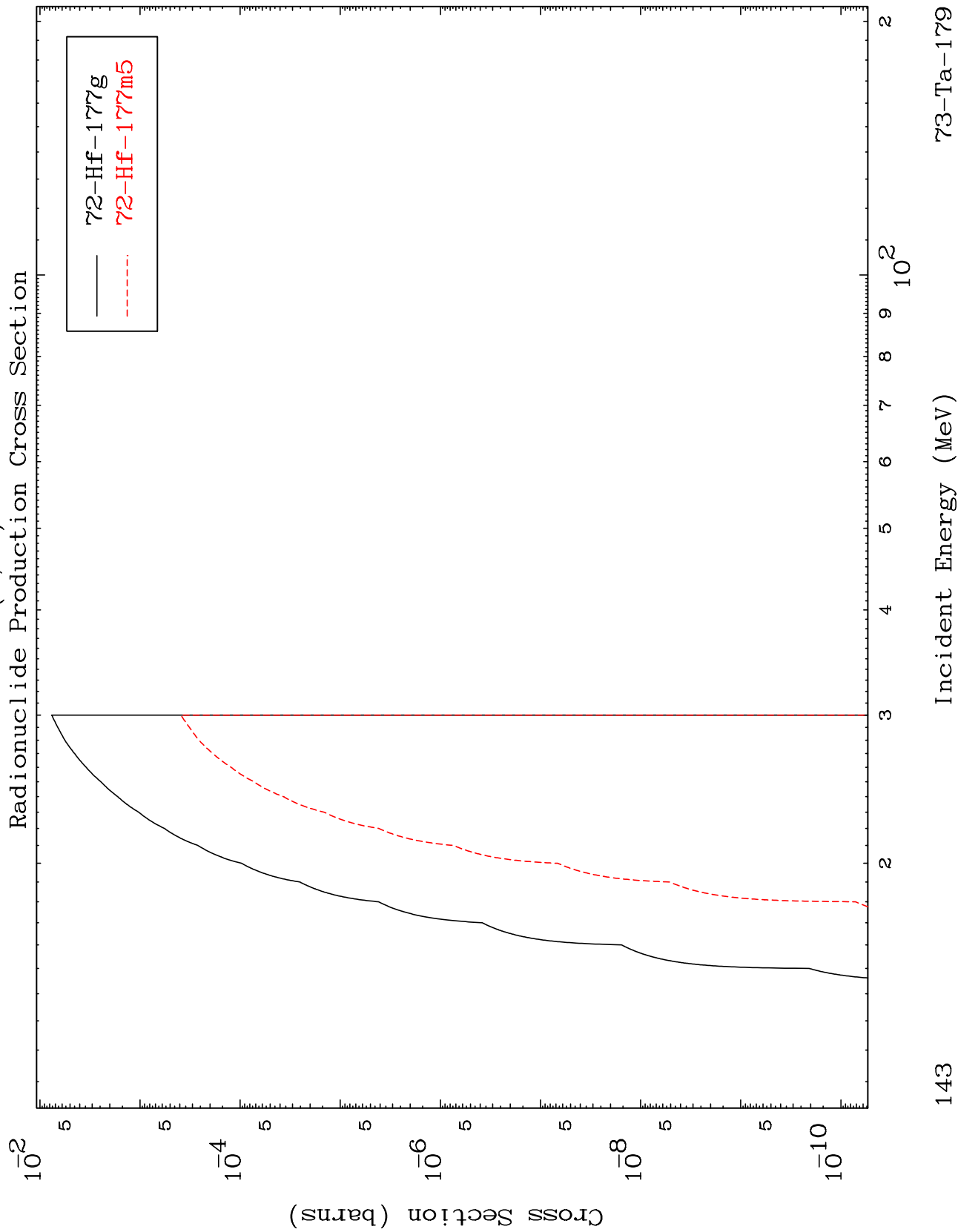
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,n') d

73-Ta-179



143

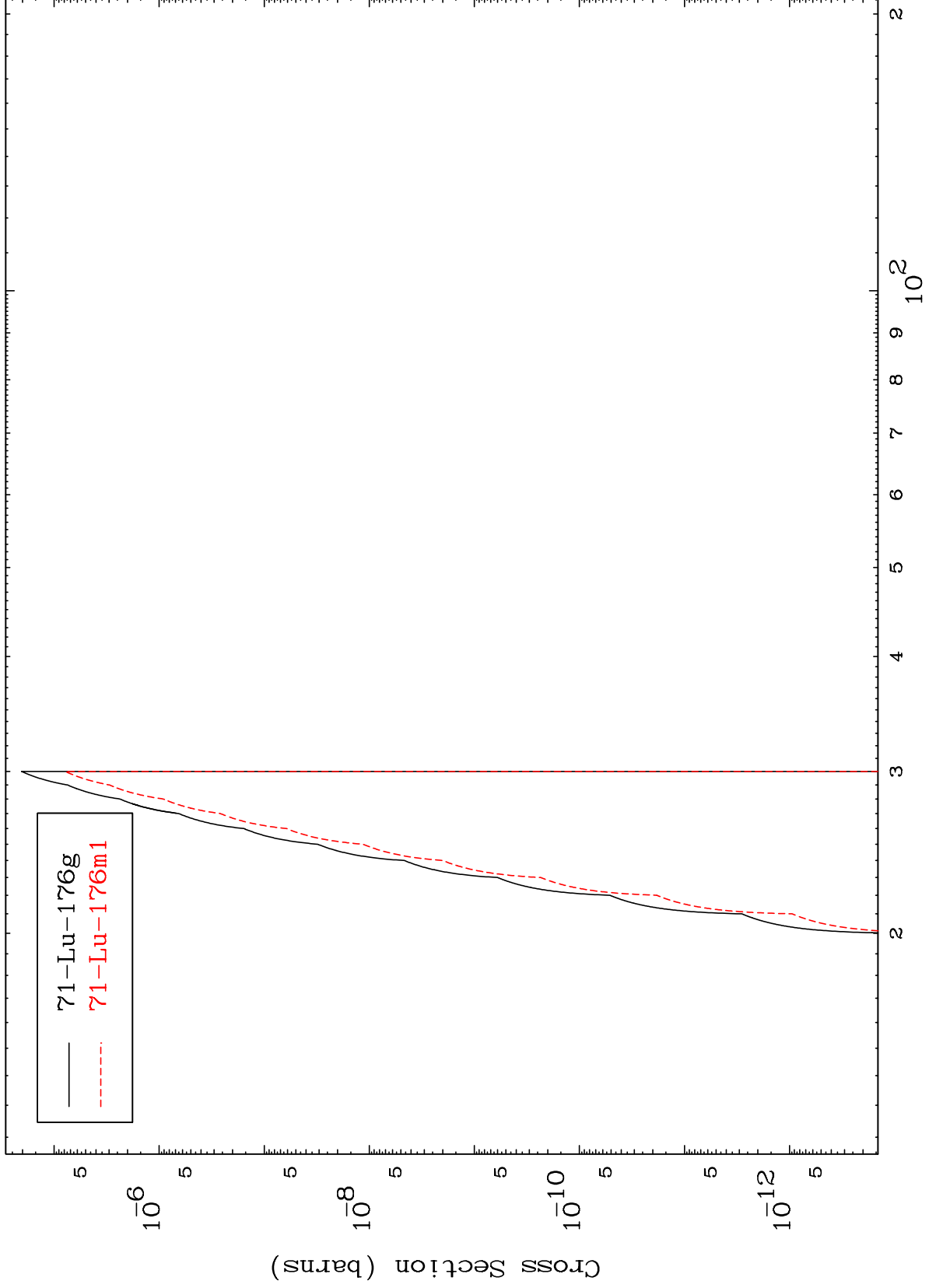
73-Ta-179

MAT 7322

(n,n') He-3

73-Ta-179

Radionuclide Production Cross Section



144

Incident Energy (MeV)

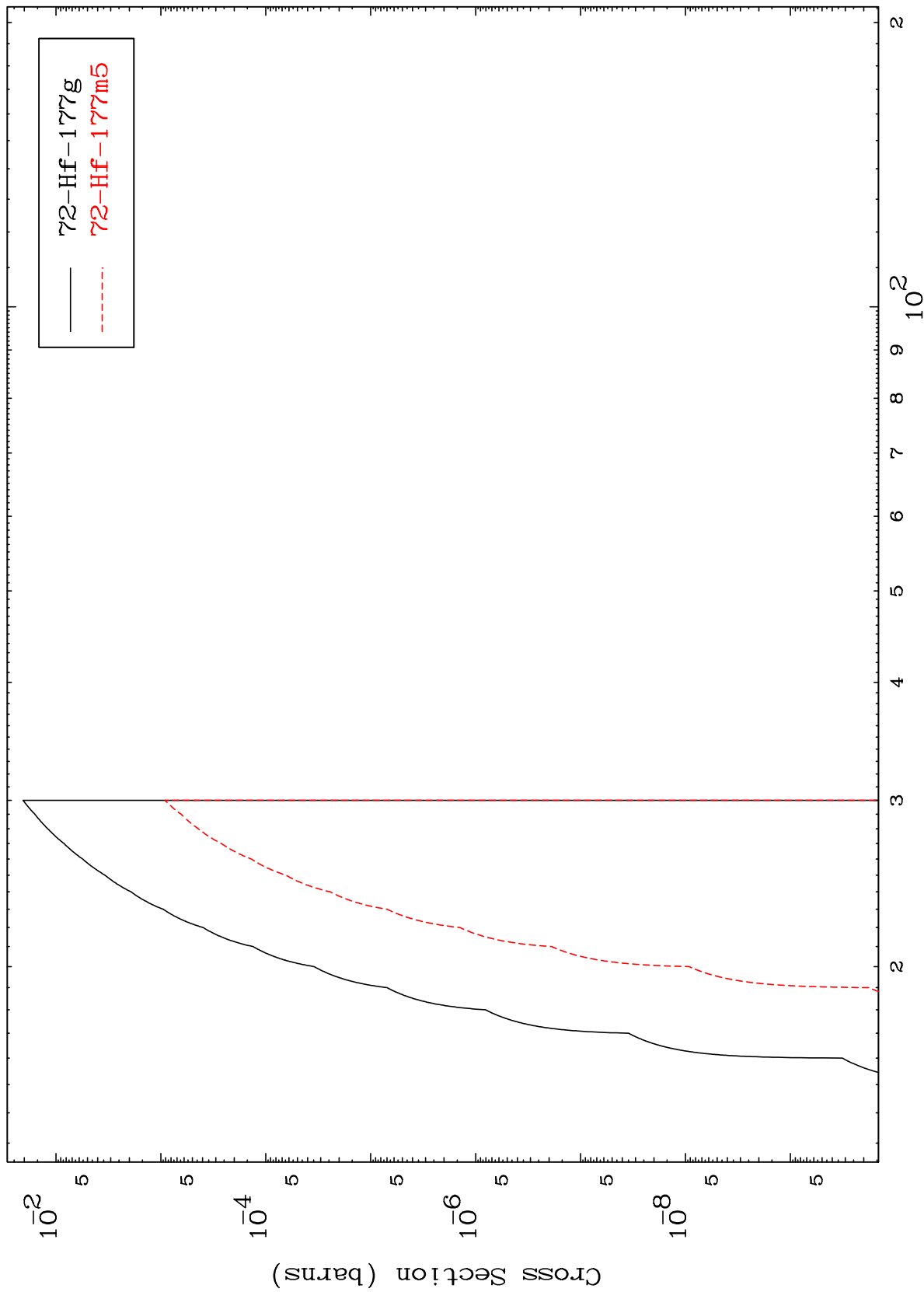
73-Ta-179

MAT 7322

73-Ta-179

(n,2n) p

Radionuclide Production Cross Section



145

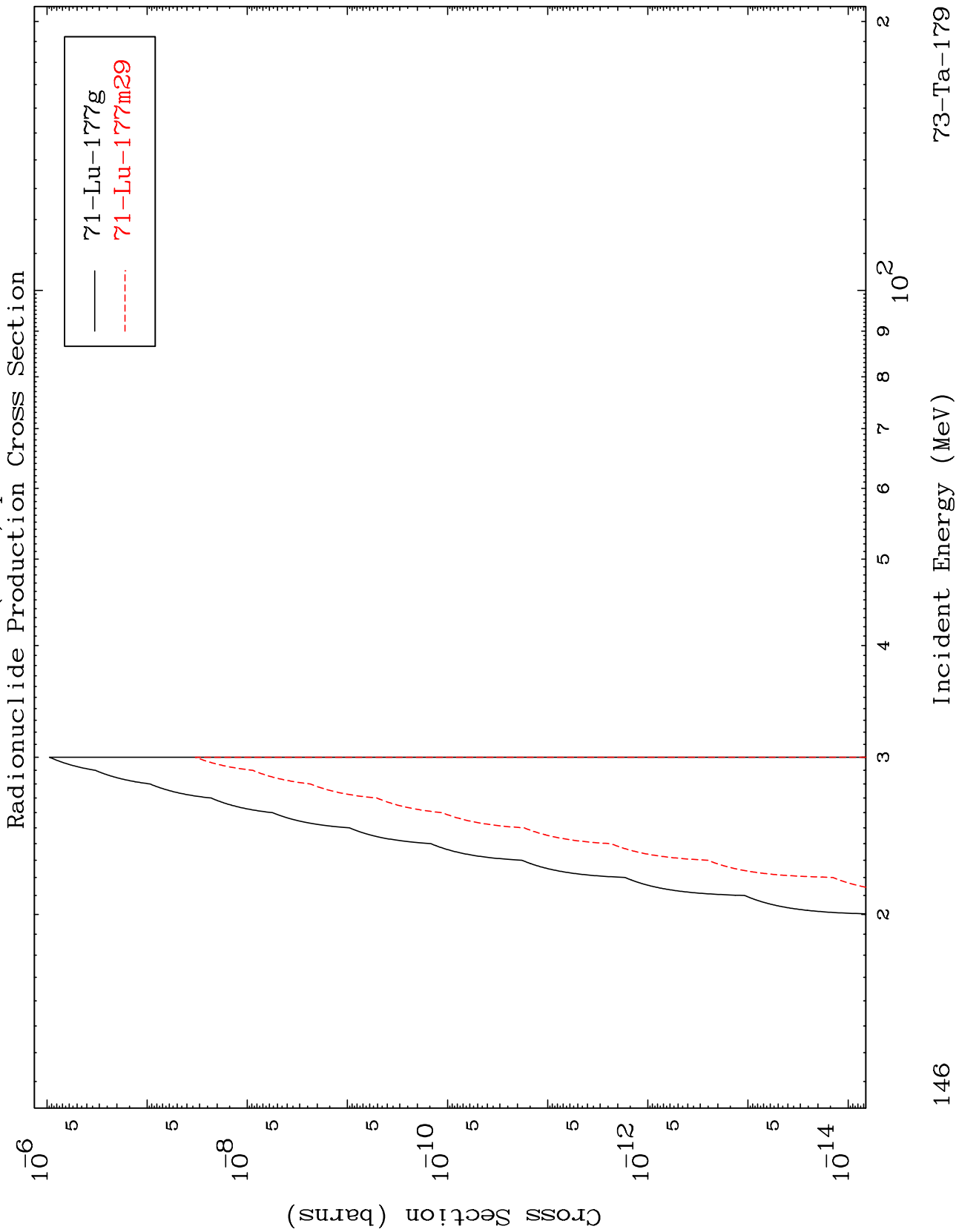
Incident Energy (MeV)

73-Ta-179

MAT 7322

(n,2n) p

73-Ta-179



146

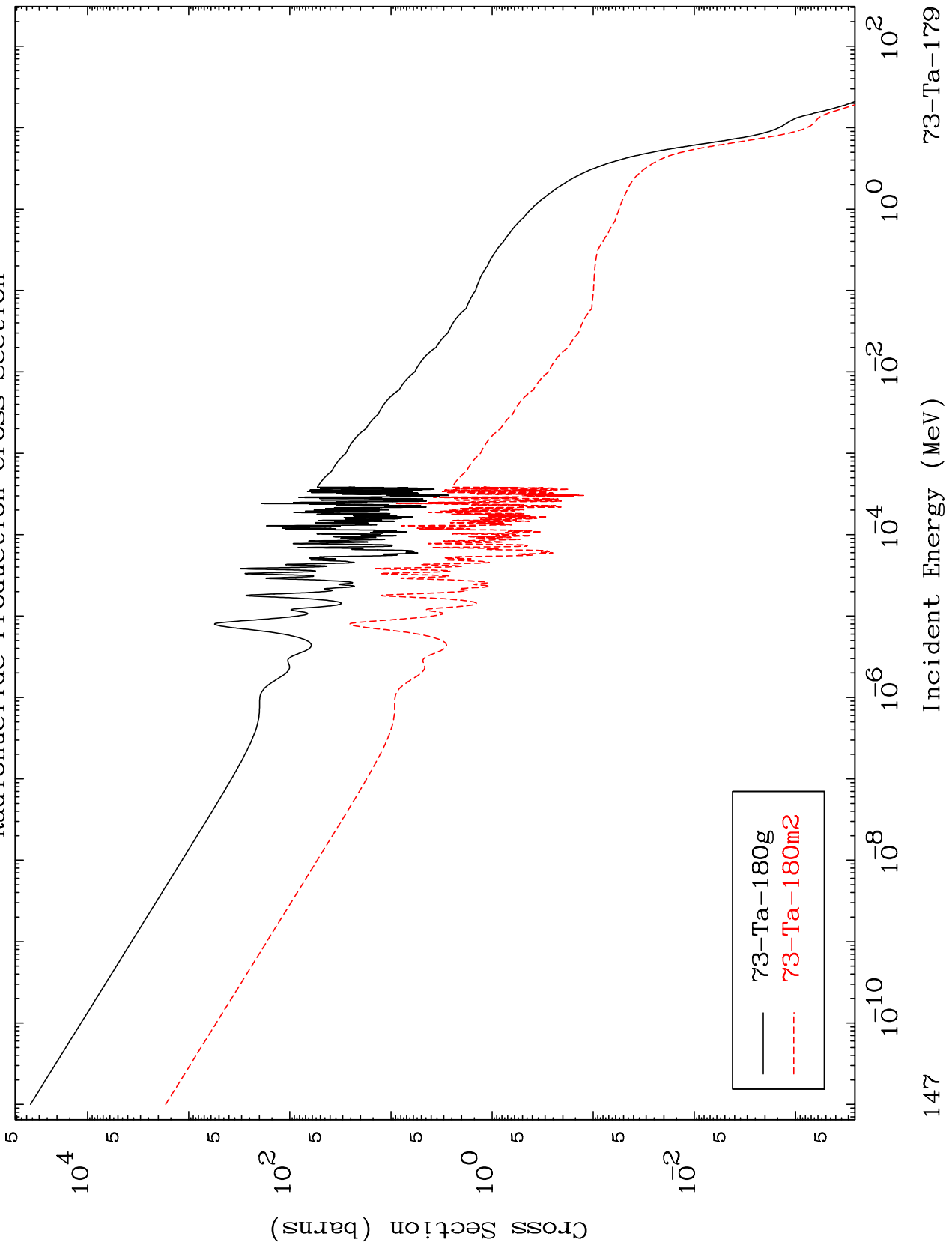
73-Ta-179

MAT 7322

⁷³Ta-179

Radionuclide Production Cross Section

(n,γ)

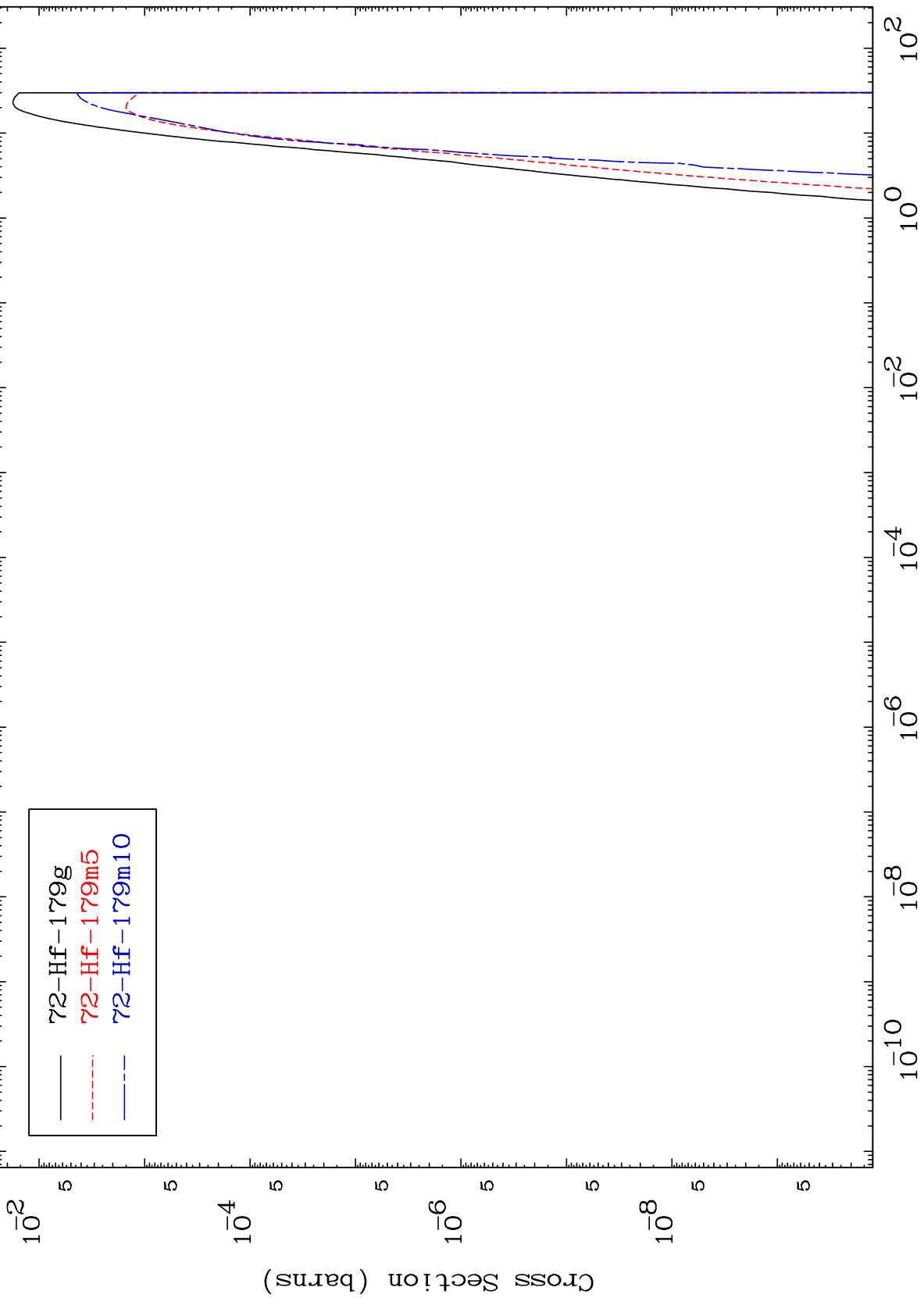


MAT 7322

(n,p)

73-Ta-179

Radionuclide Production Cross Section

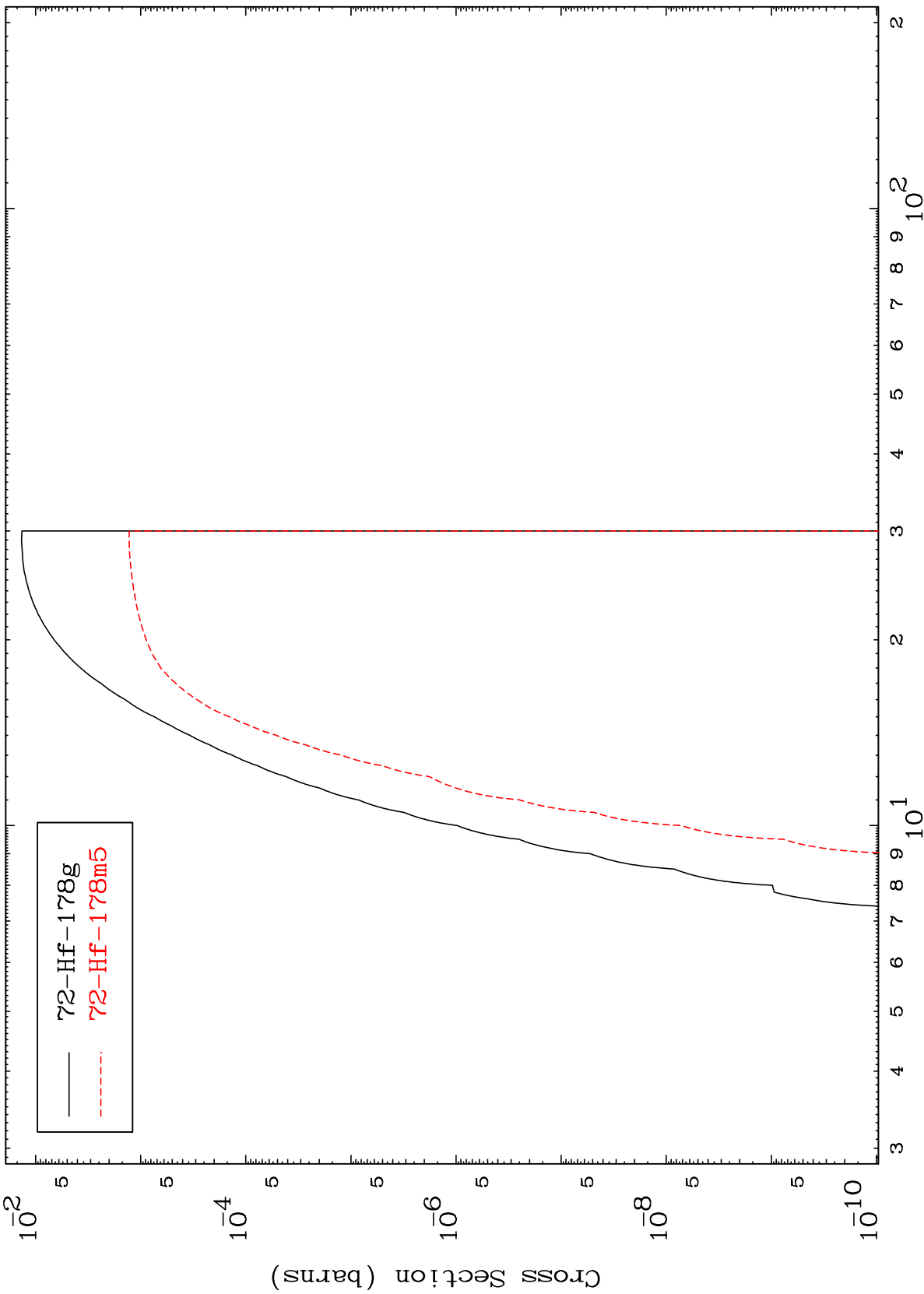


MAT 7322

(n,d)

⁷³Ta-179

Radionuclide Production Cross Section



— ⁷²Hf-178g
- - - ⁷²Hf-178m5

149

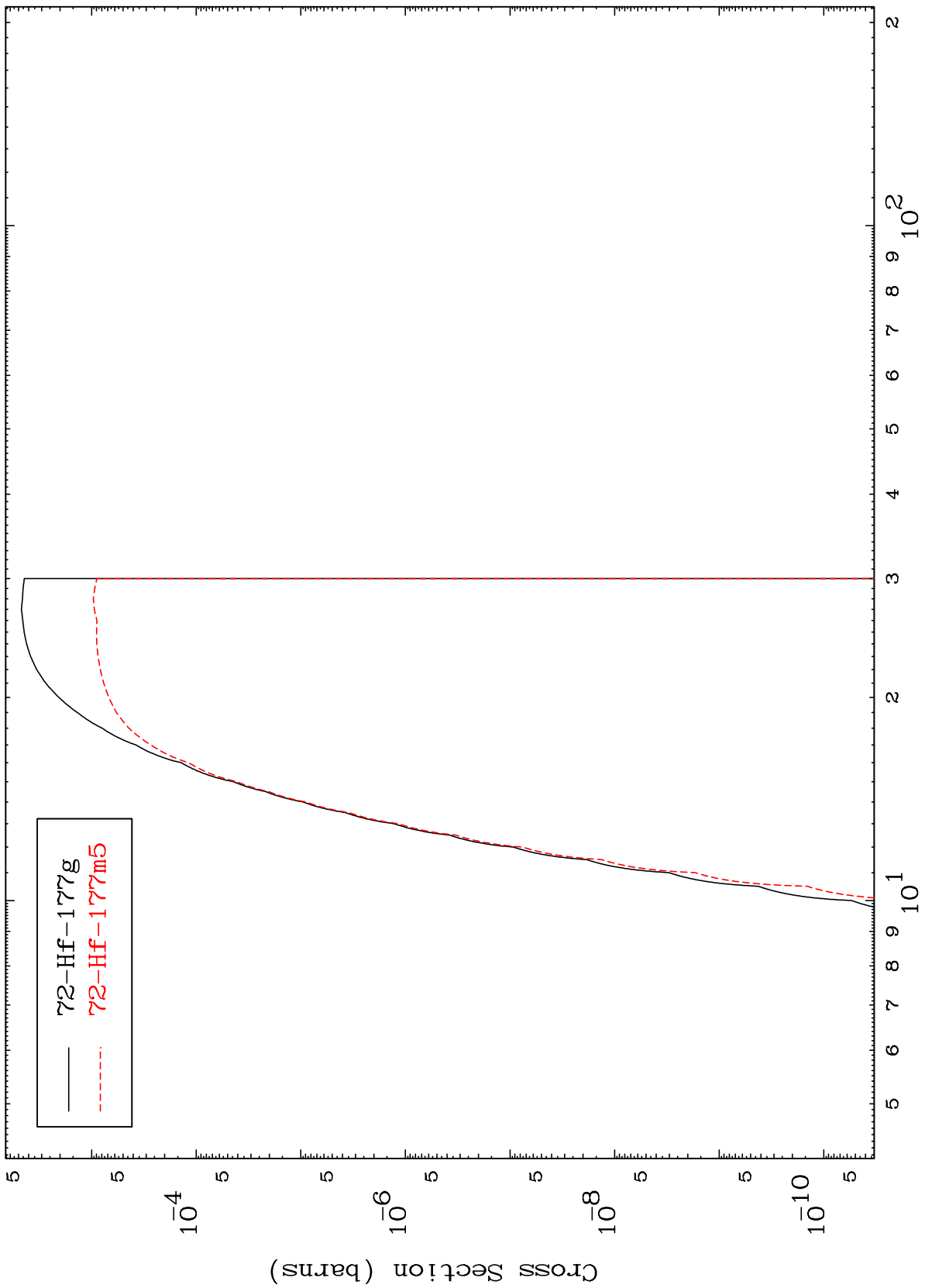
Incident Energy (MeV)

⁷³Ta-179

MAT 7322

⁷³Ta-179

Radionuclide Production Cross Section (n, t)



150

Incident Energy (MeV)

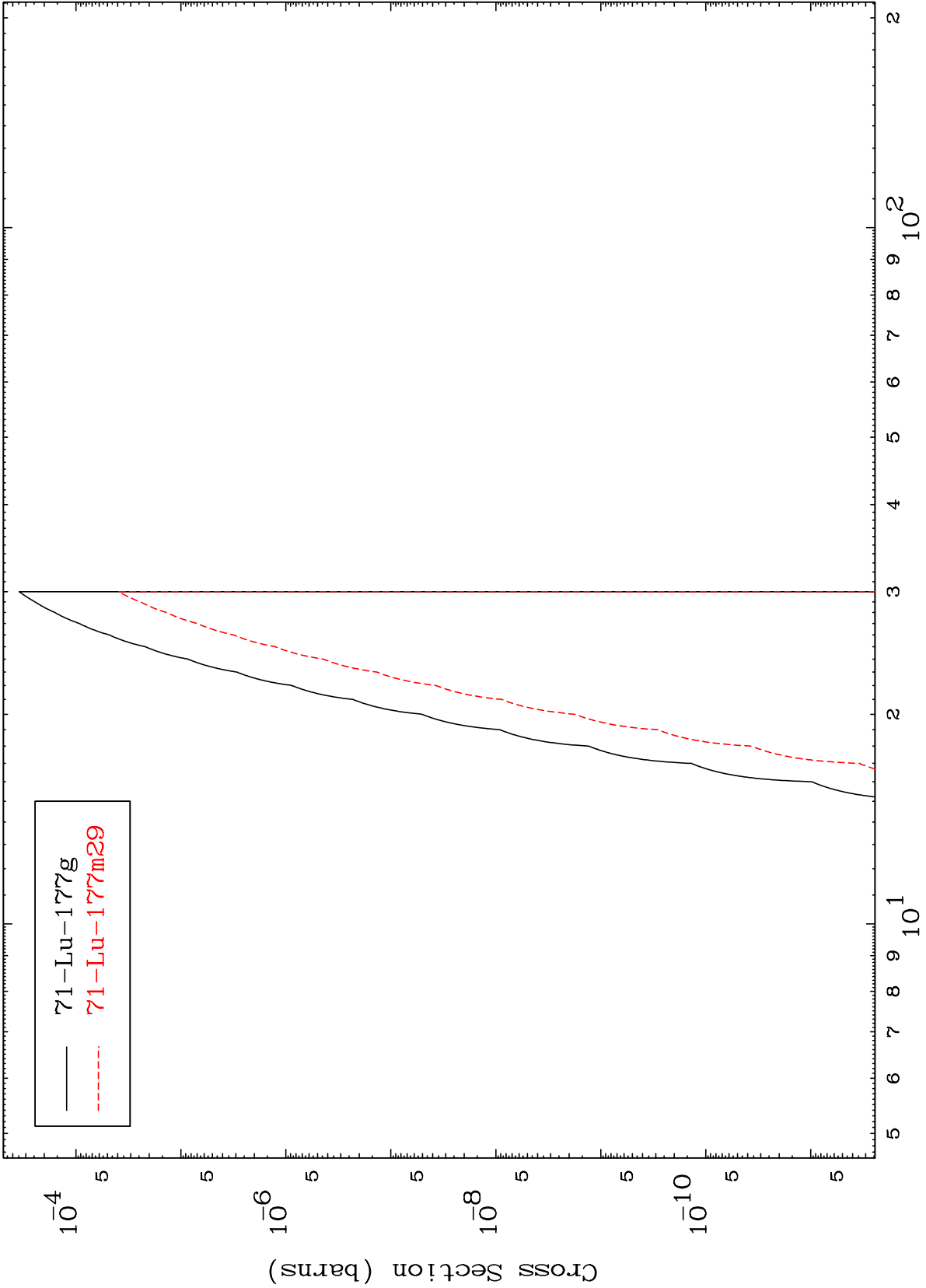
⁷³Ta-179

MAT 7322

(n,He-3)

73-Ta-179

Radionuclide Production Cross Section



151

Incident Energy (MeV)

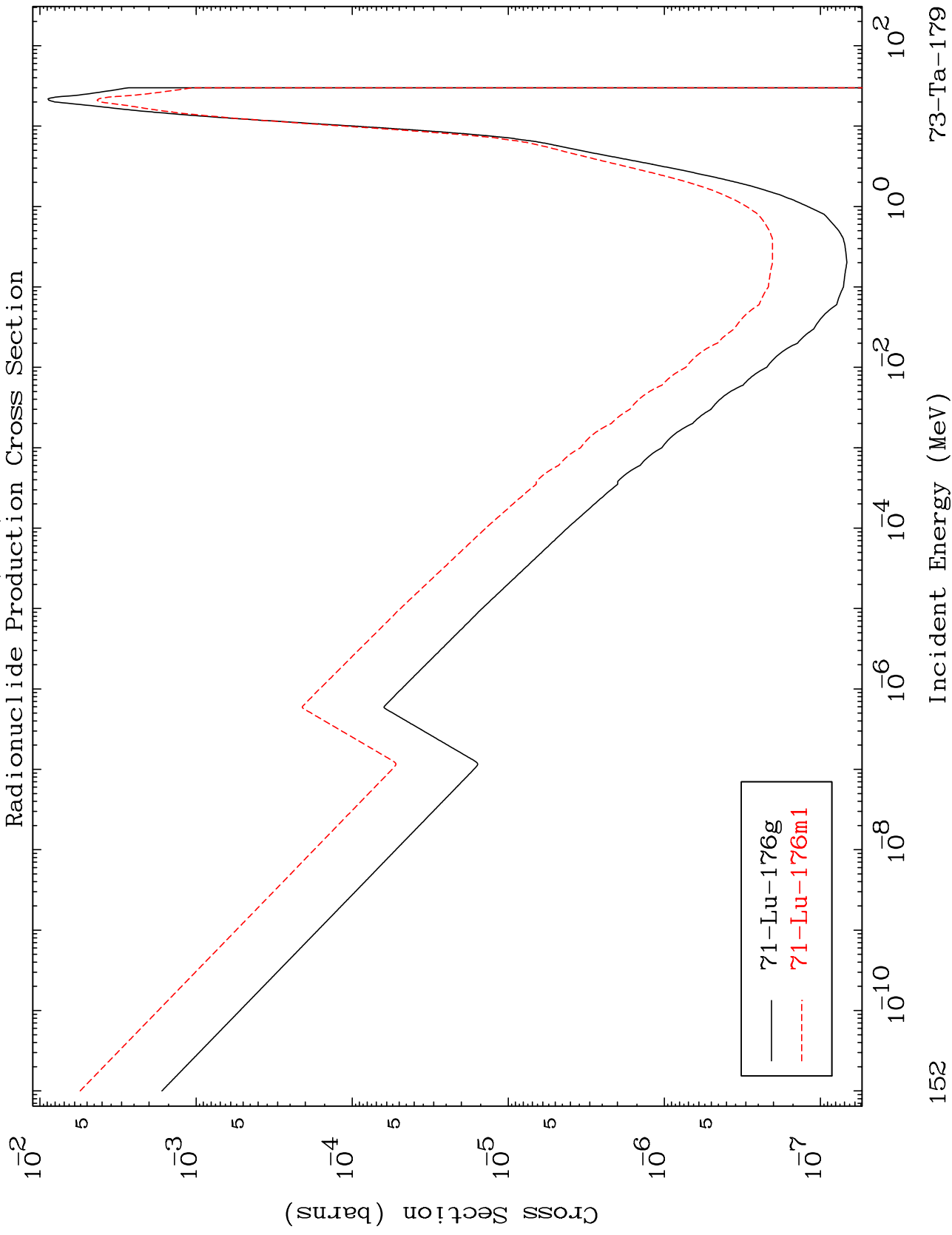
73-Ta-179

MAT 7322

(n, α)

⁷³Ta-179

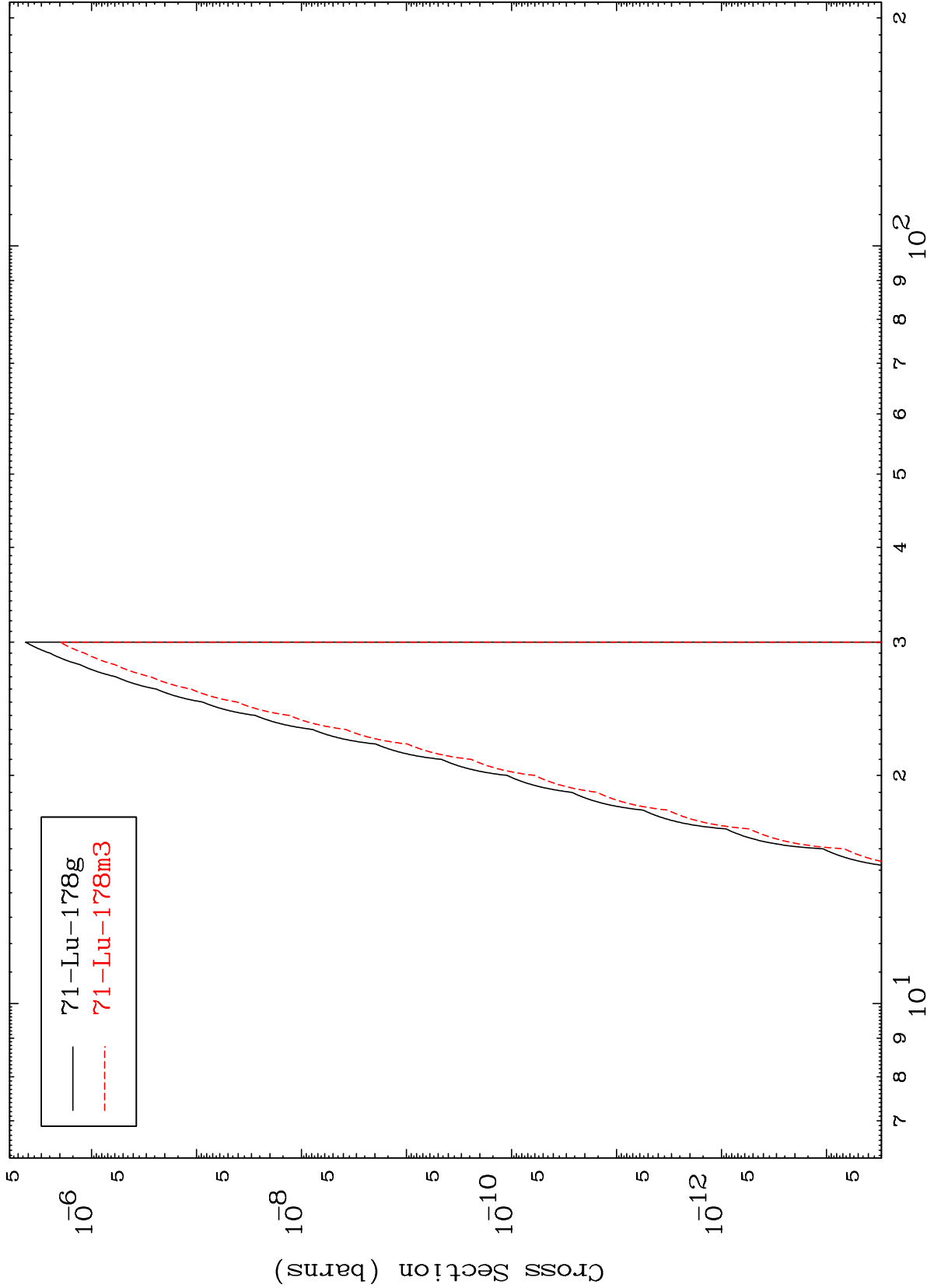
Radionuclide Production Cross Section



MAT 7322

73-Ta-179

(n,2p)
Radionuclide Production Cross Section



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

73-Ta-179

Incident Energy (MeV)

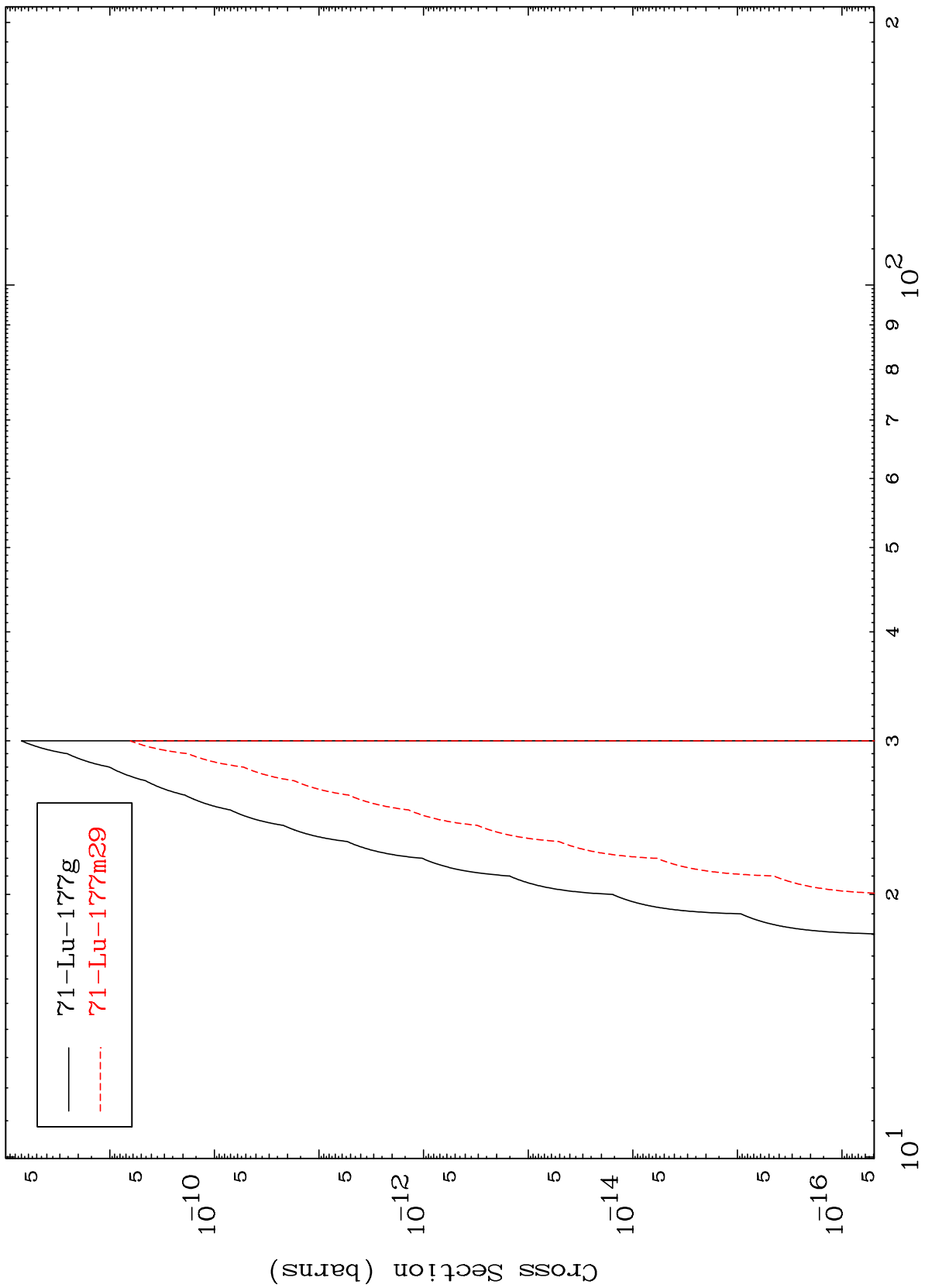
153

MAT 7322

(n,p) d

73-Ta-179

Radionuclide Production Cross Section



71-Lu-177g
71-Lu-177m29

Incident Energy (MeV)

73-Ta-179

154

Radionuclide Production Cross Section

