

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

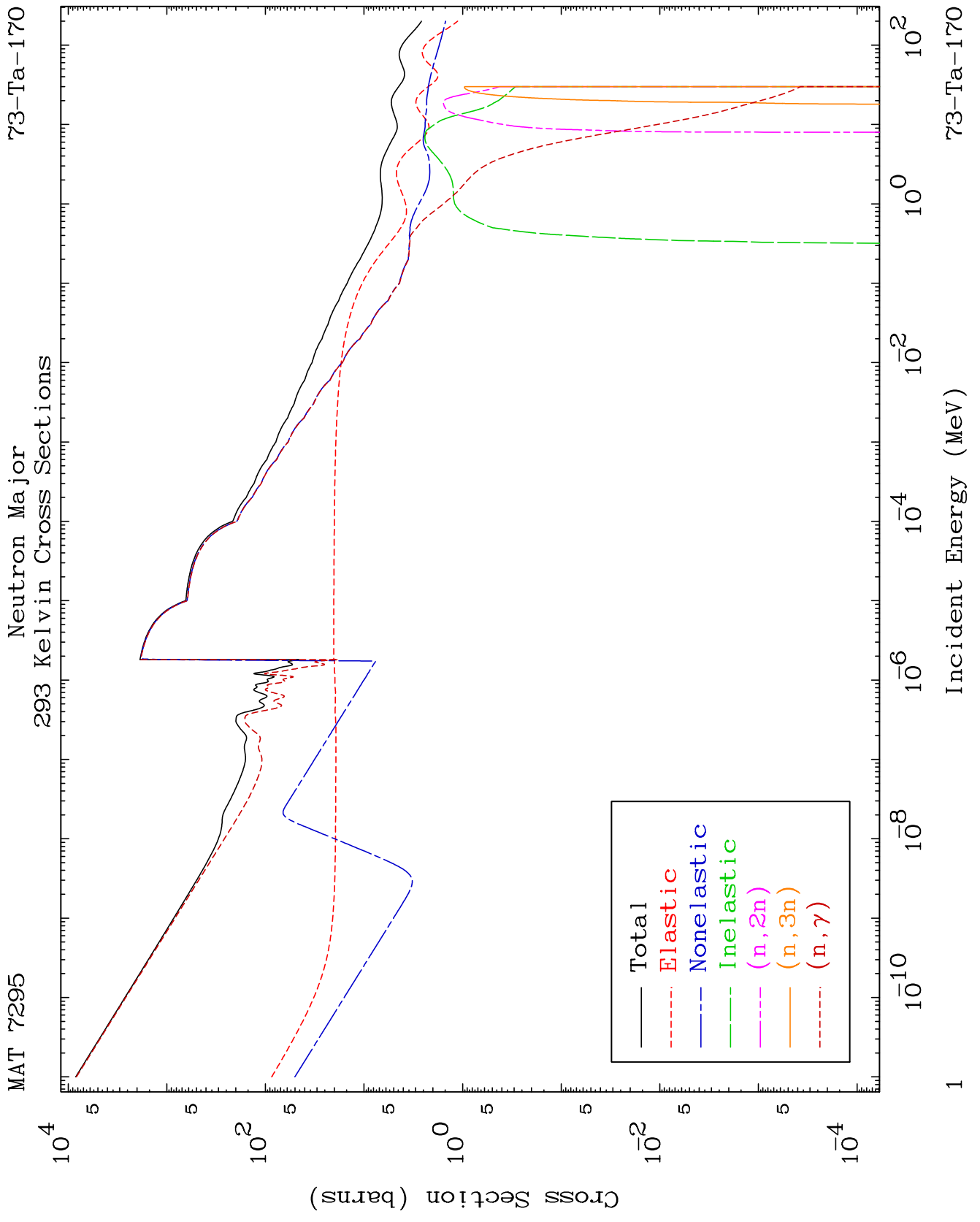
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

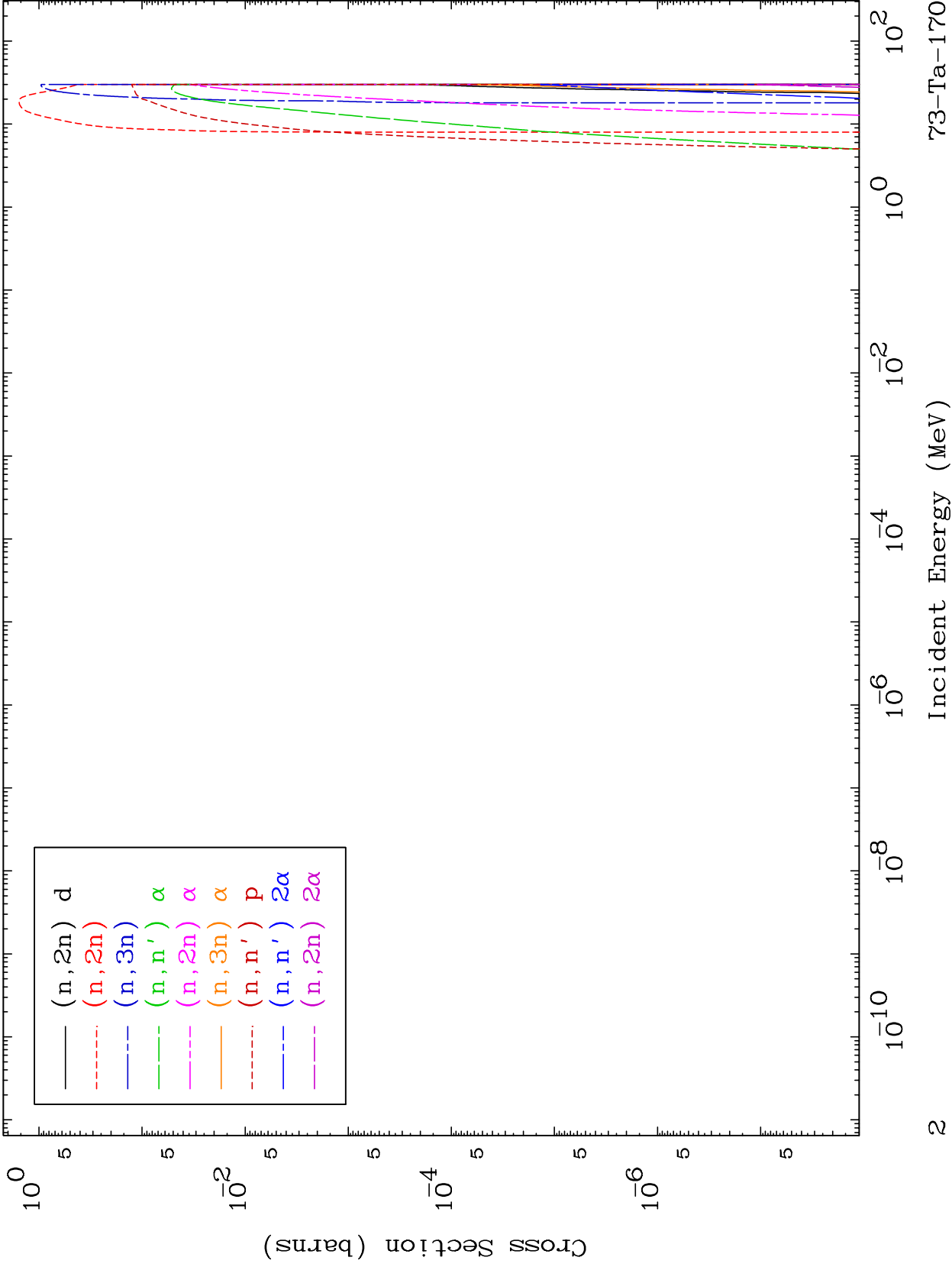
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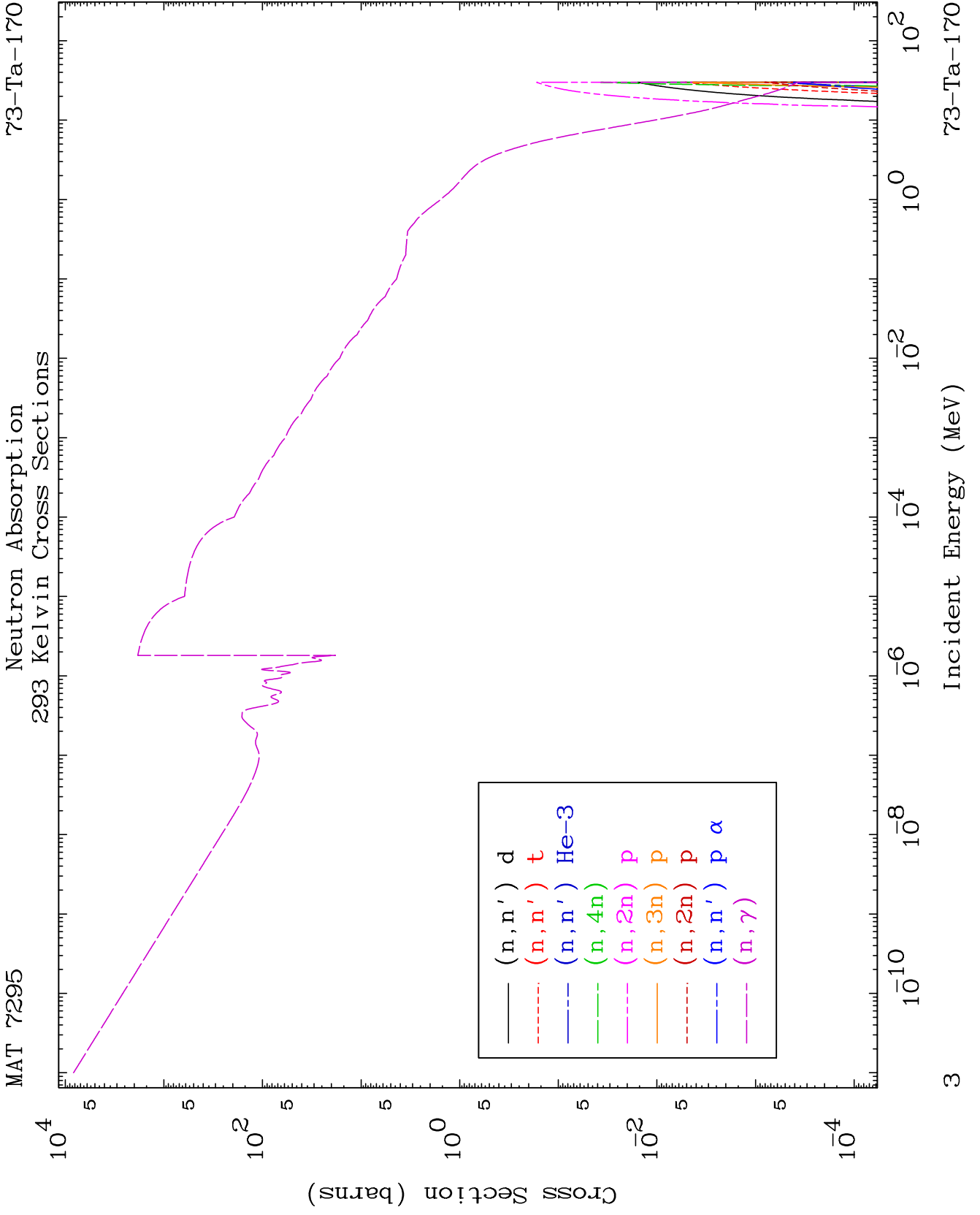


MAT 7295

Neutron Absorption
293 Kelvin Cross Sections

73-Ta-170

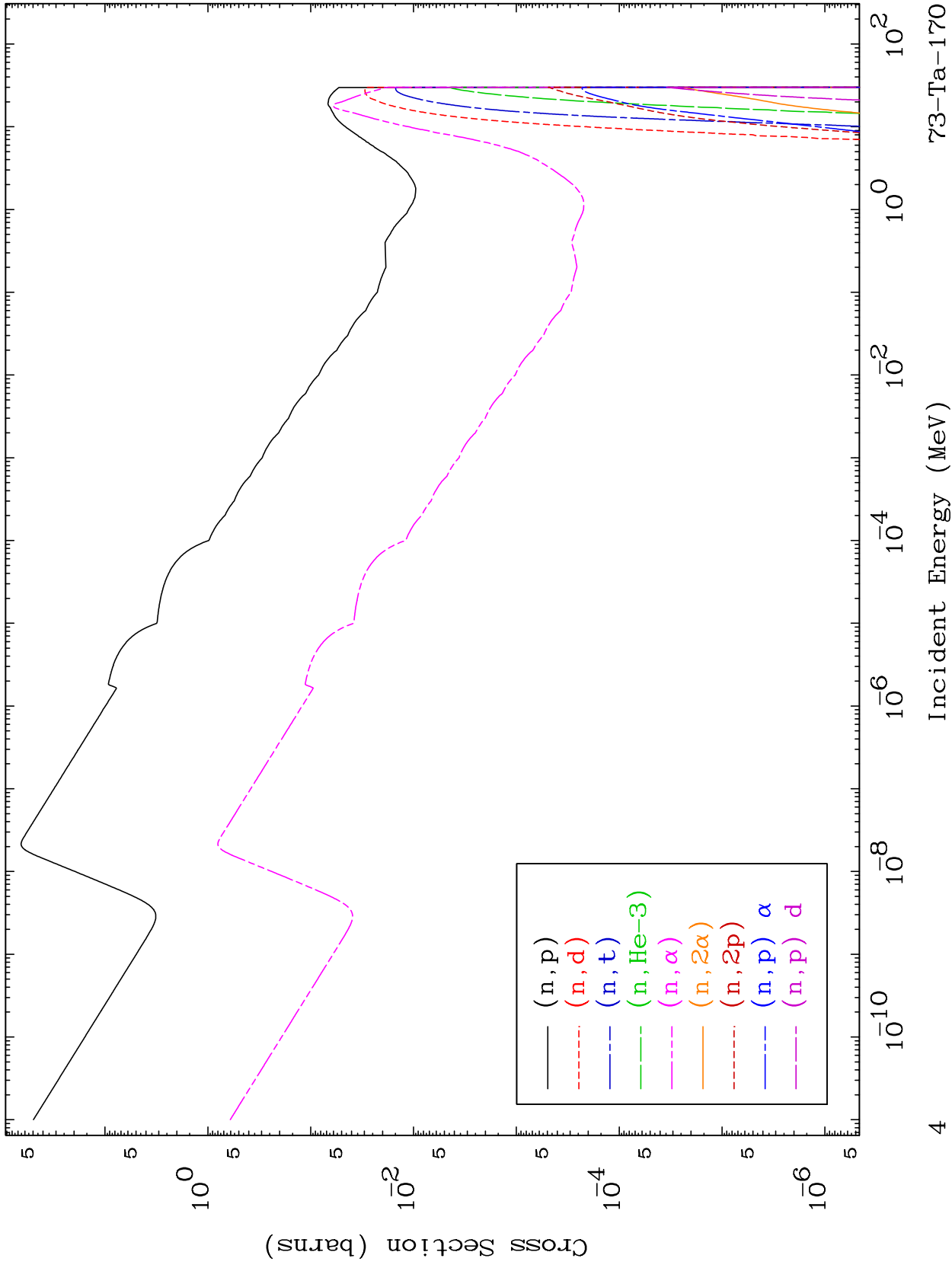


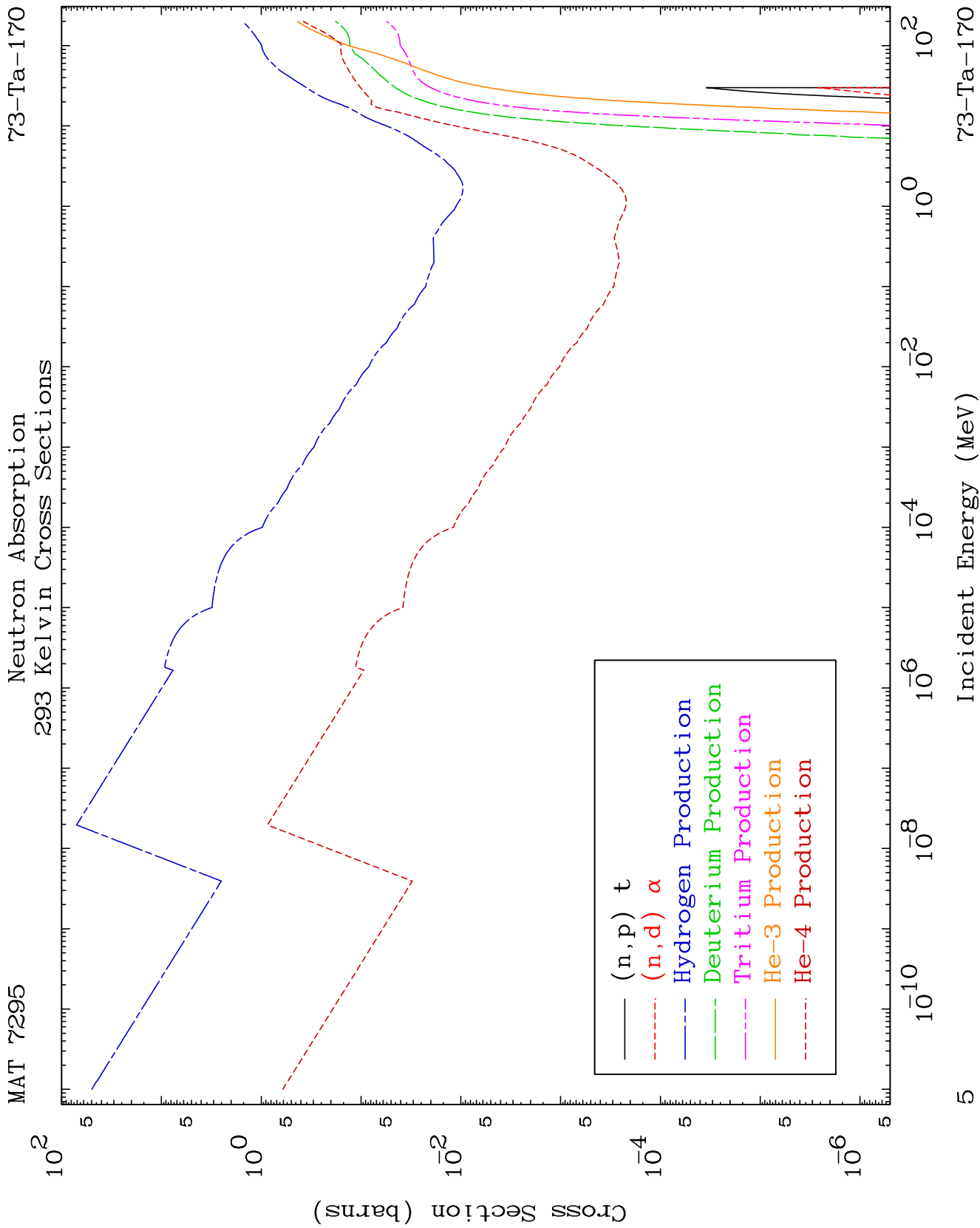


MAT 7295

Neutron Absorption
293 Kelvin Cross Sections

73-Ta-170

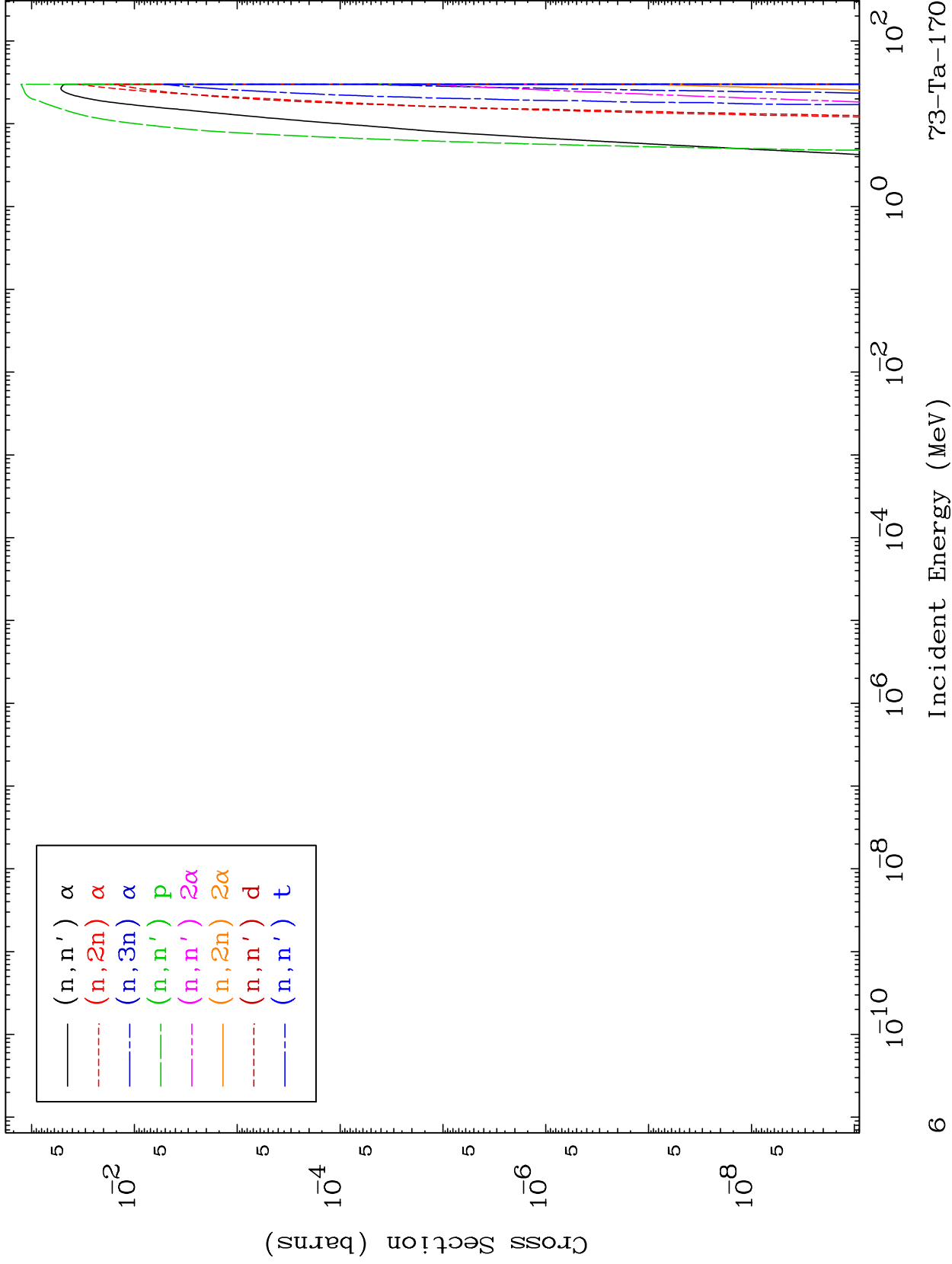




MAT 7295

Charged Particle
293 Kelvin Cross Sections

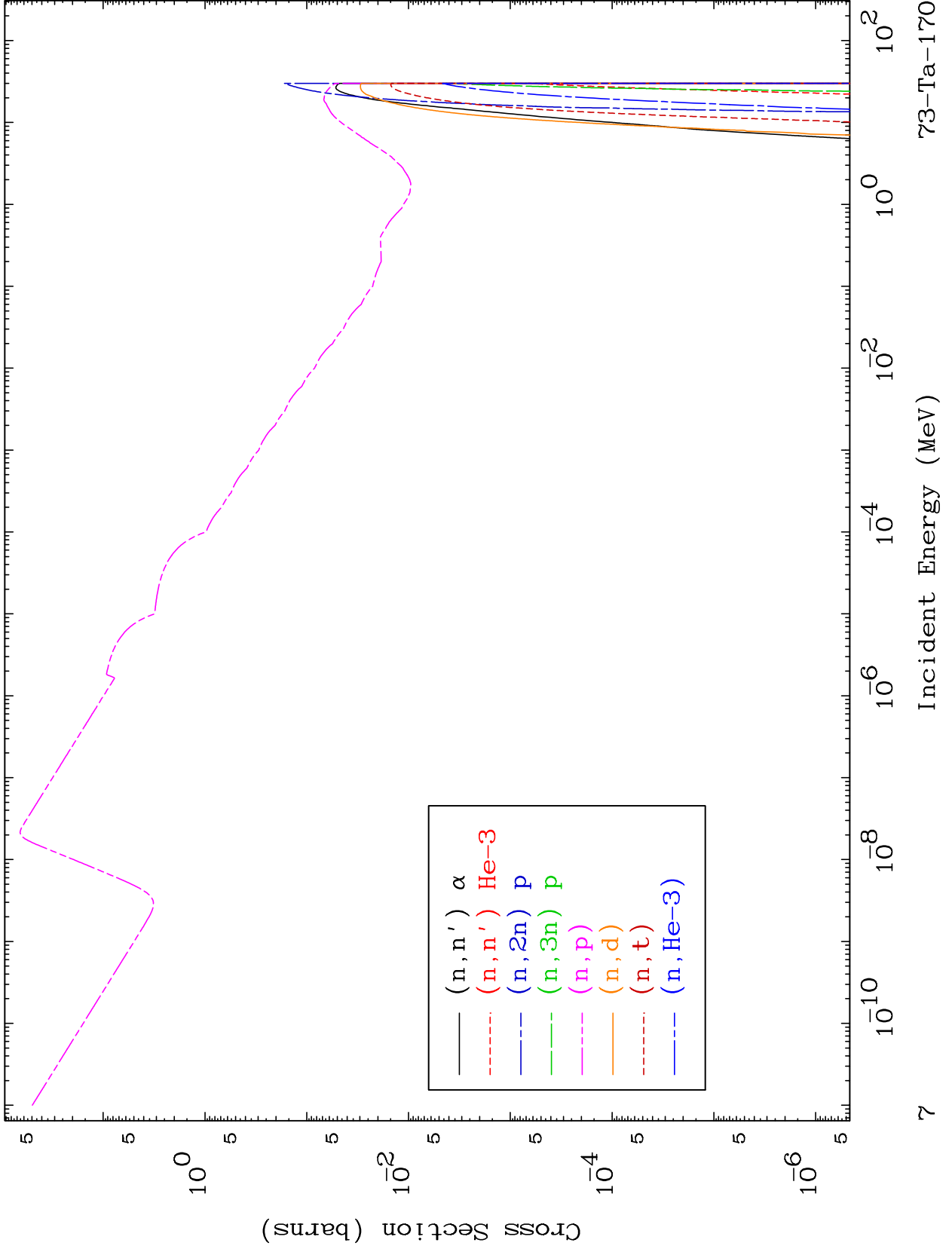
73-Ta-170

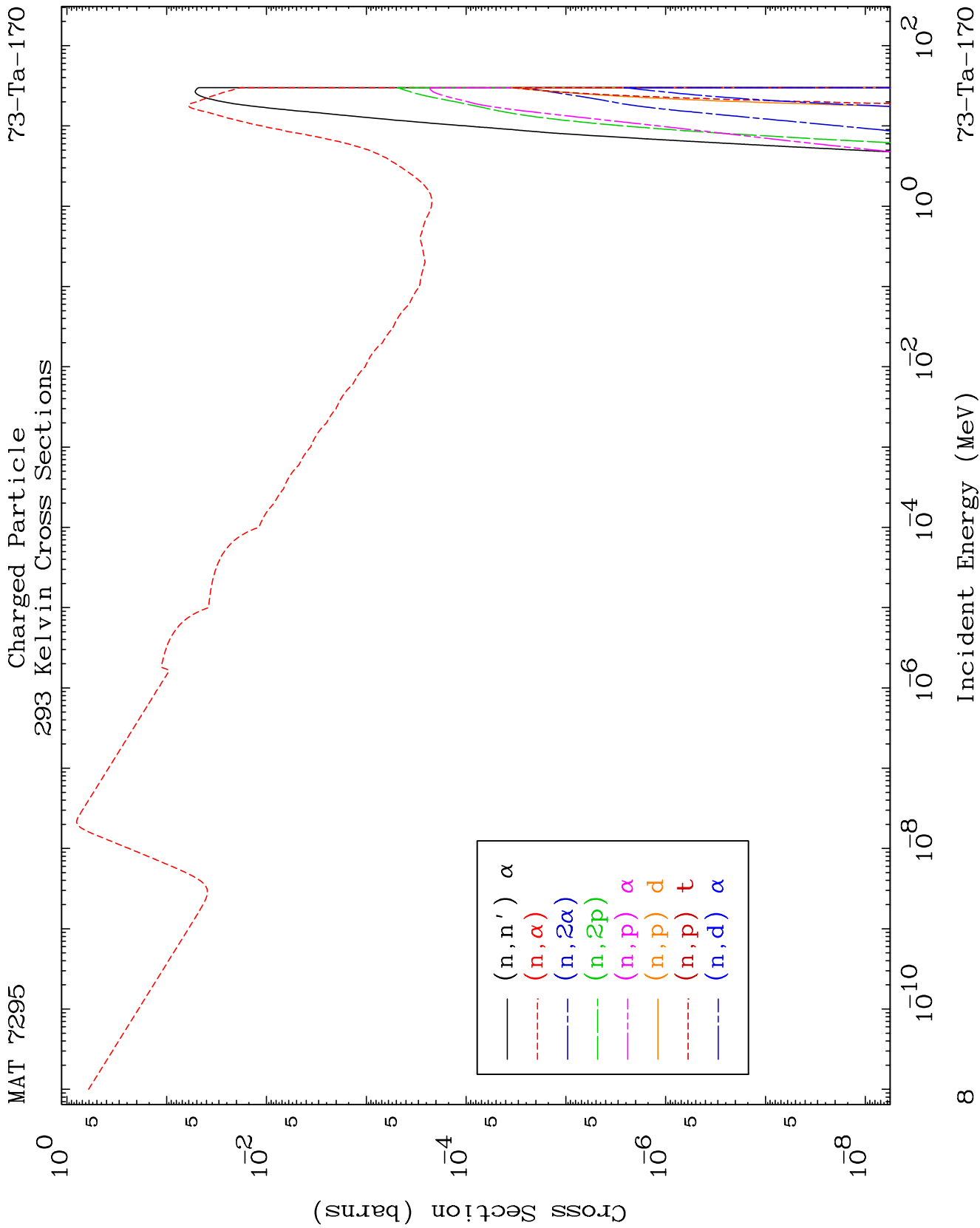


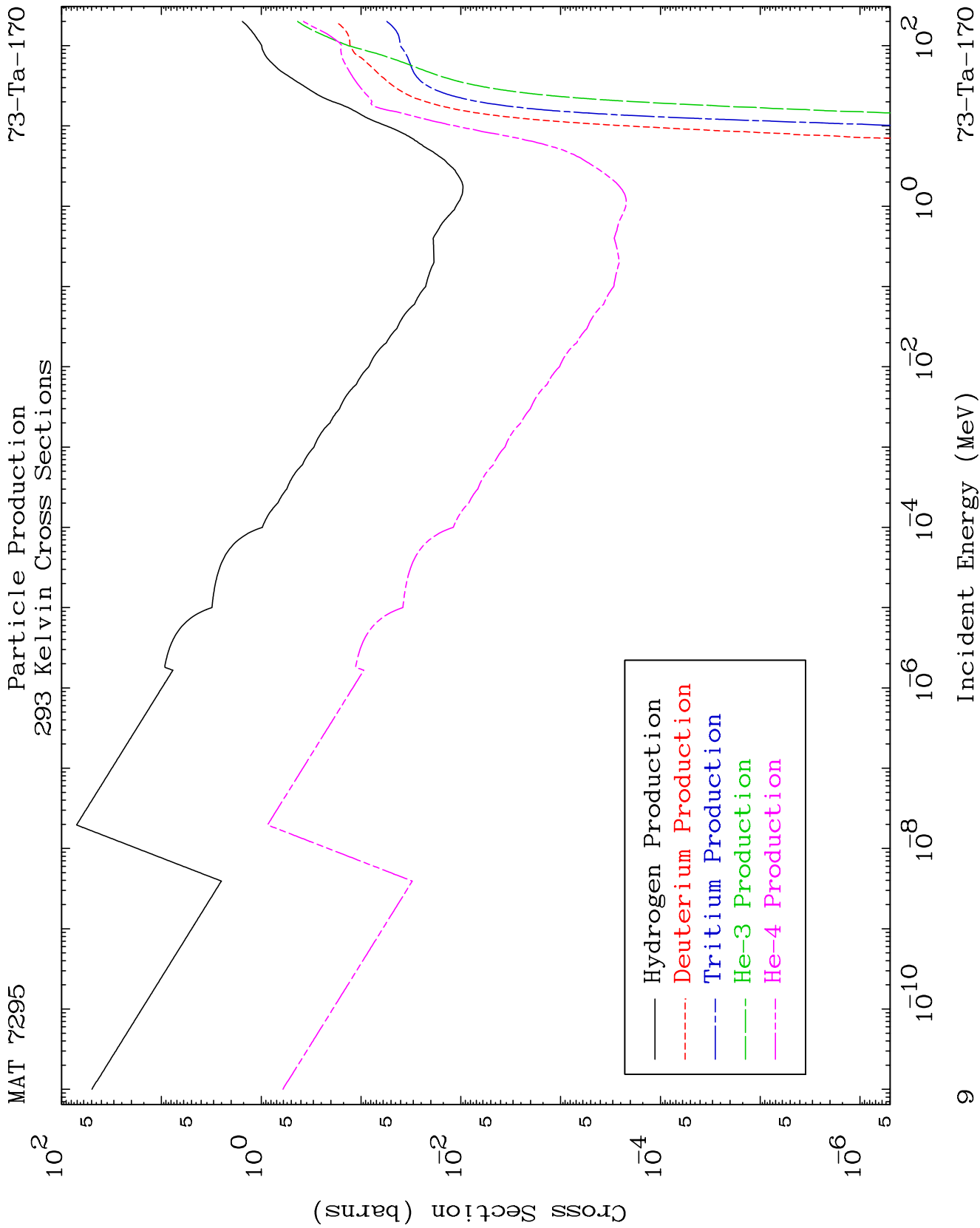
MAT 7295

Charged Particle
293 Kelvin Cross Sections

73-Ta-170





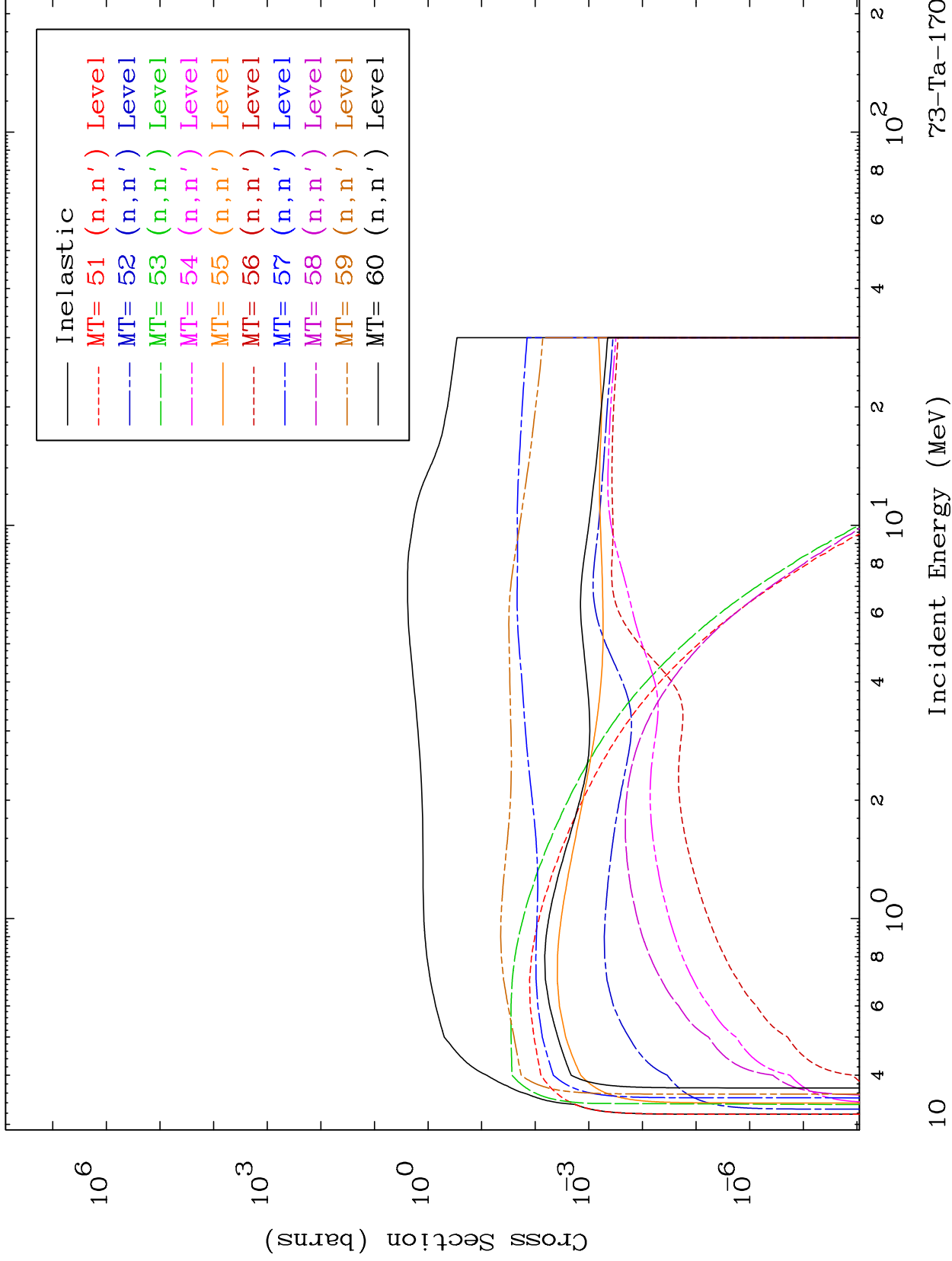


MAT 7295

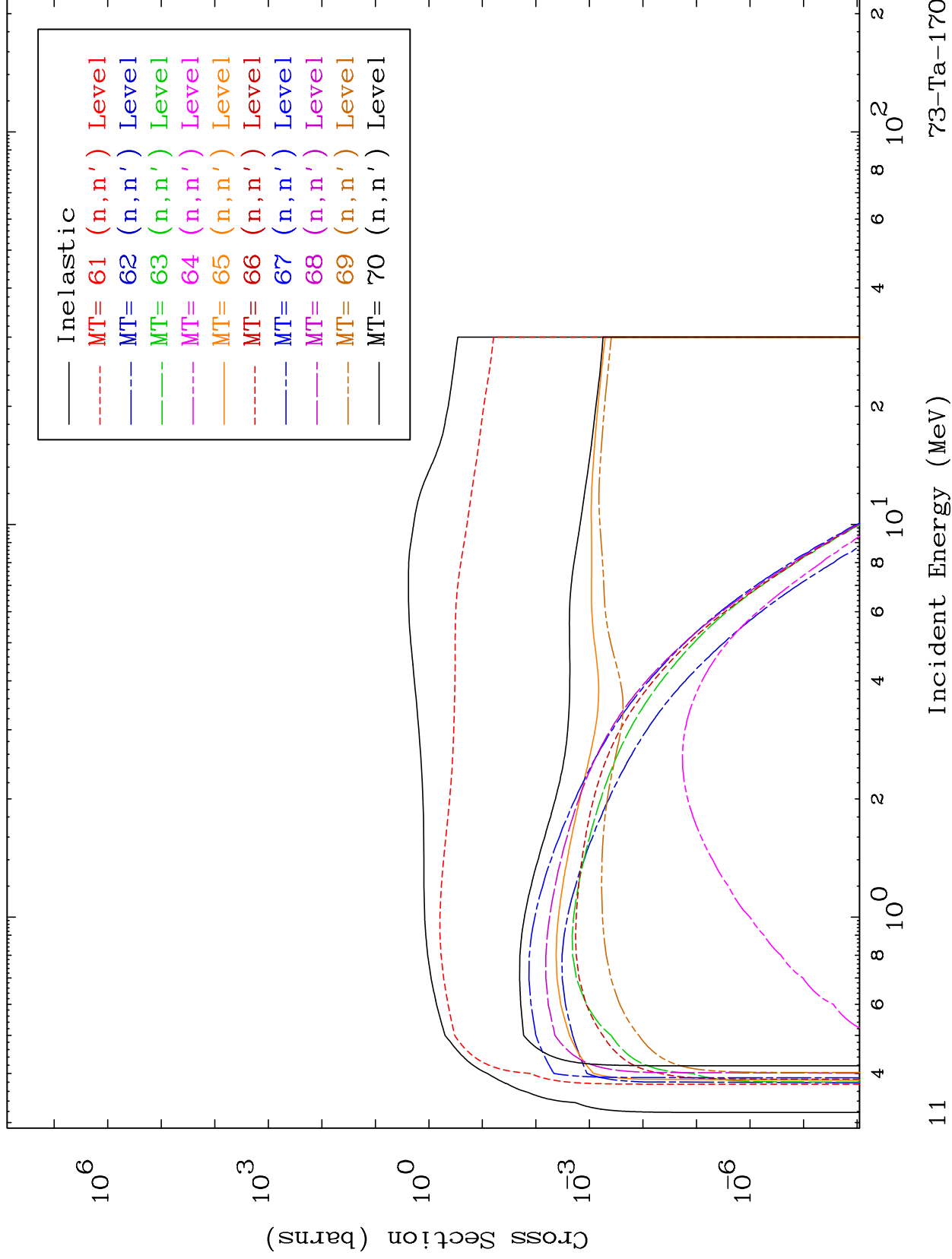
(n,n') Levels

73-Ta-170

293 Kelvin Cross Sections



293 Kelvin Cross Sections

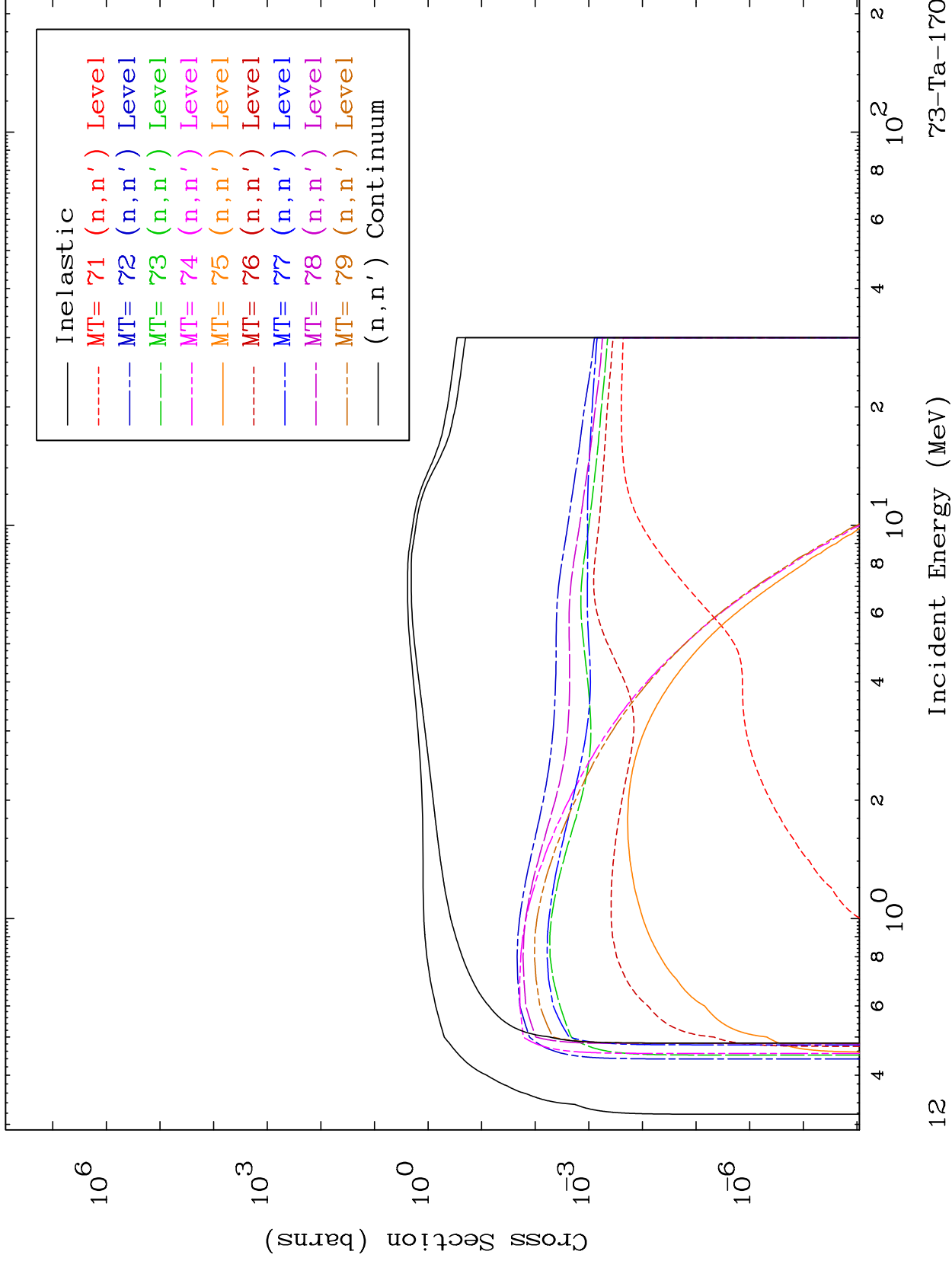


MAT 7295

(n,n') Levels

73-Ta-170

293 Kelvin Cross Sections



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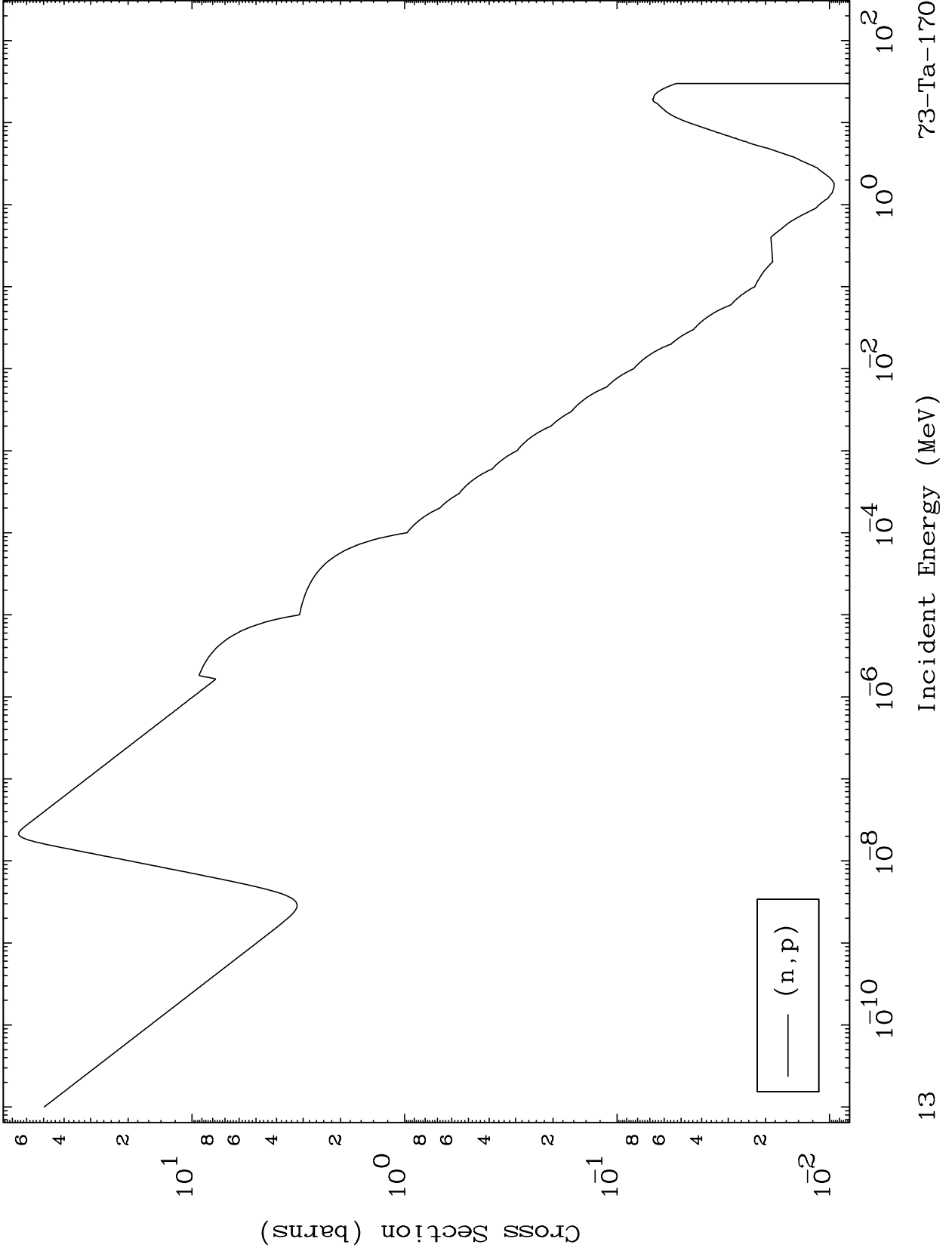
Incident Energy (MeV)

73-Ta-170

MAT 7295

(n,p) Levels
293 Kelvin Cross Sections

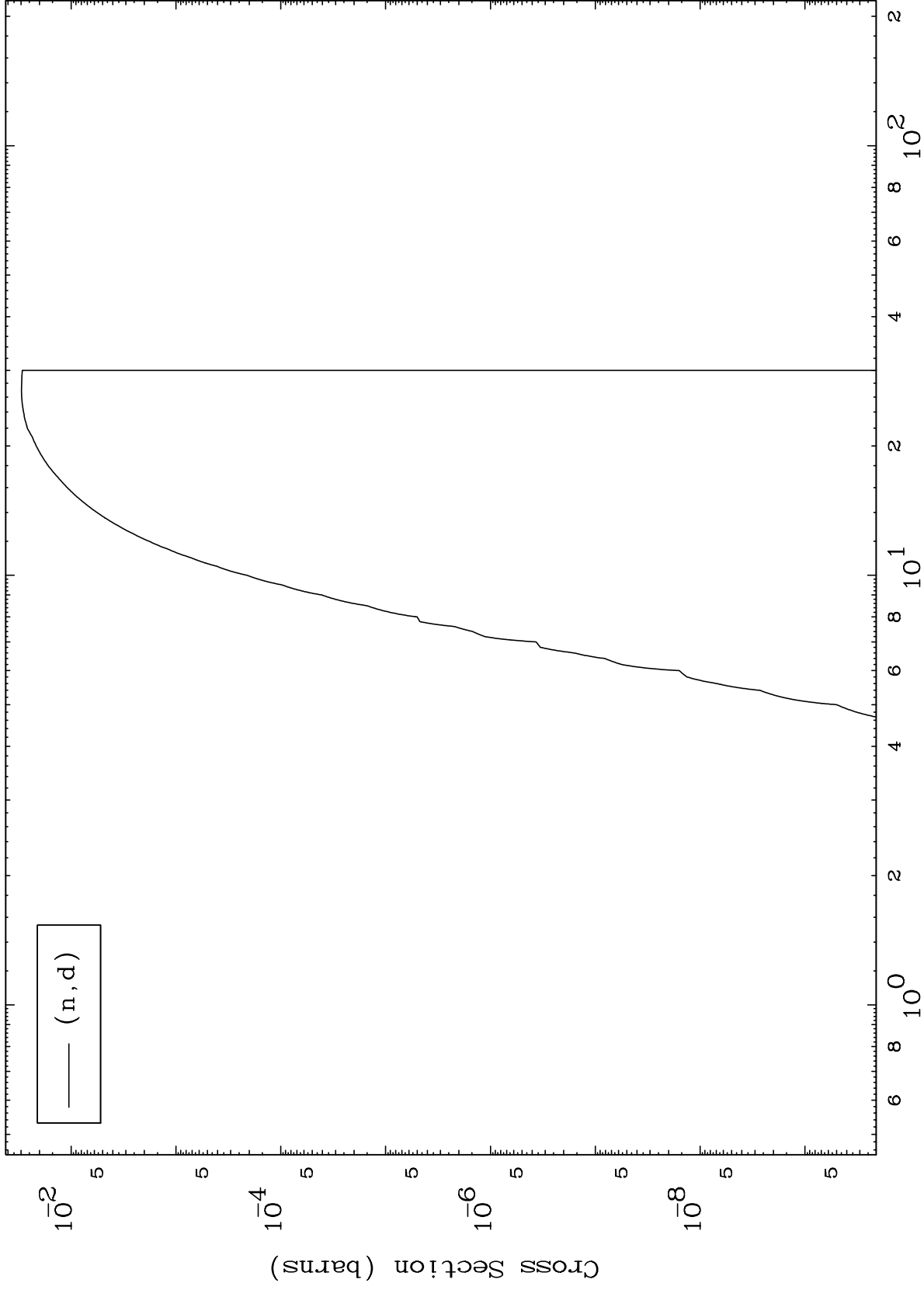
73-Ta-170



MAT 7295

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-170



14

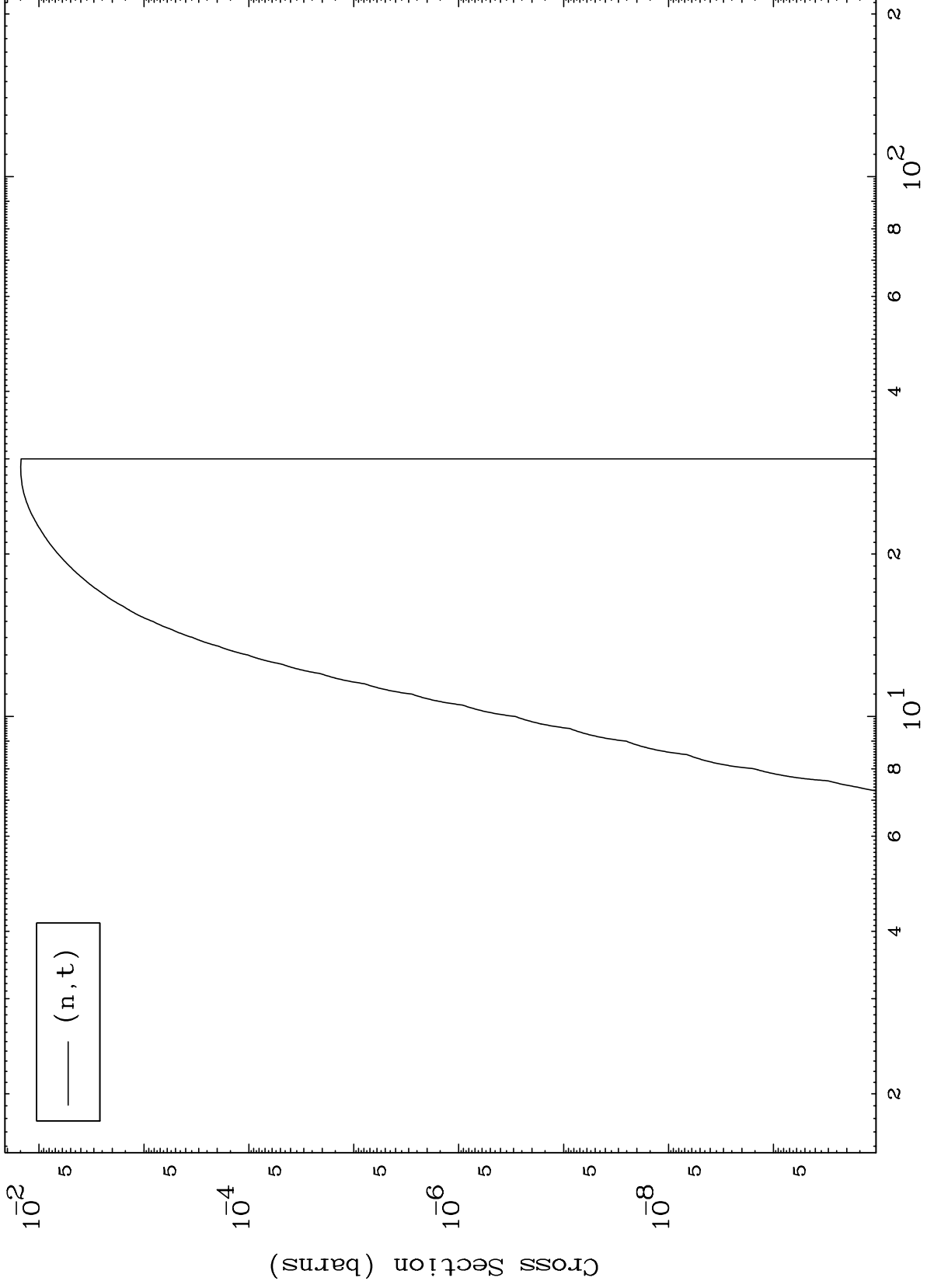
Incident Energy (MeV)

73-Ta-170

MAT 7295

(n,t) Levels
293 Kelvin Cross Sections

⁷³Ta-170



(n,t)

15

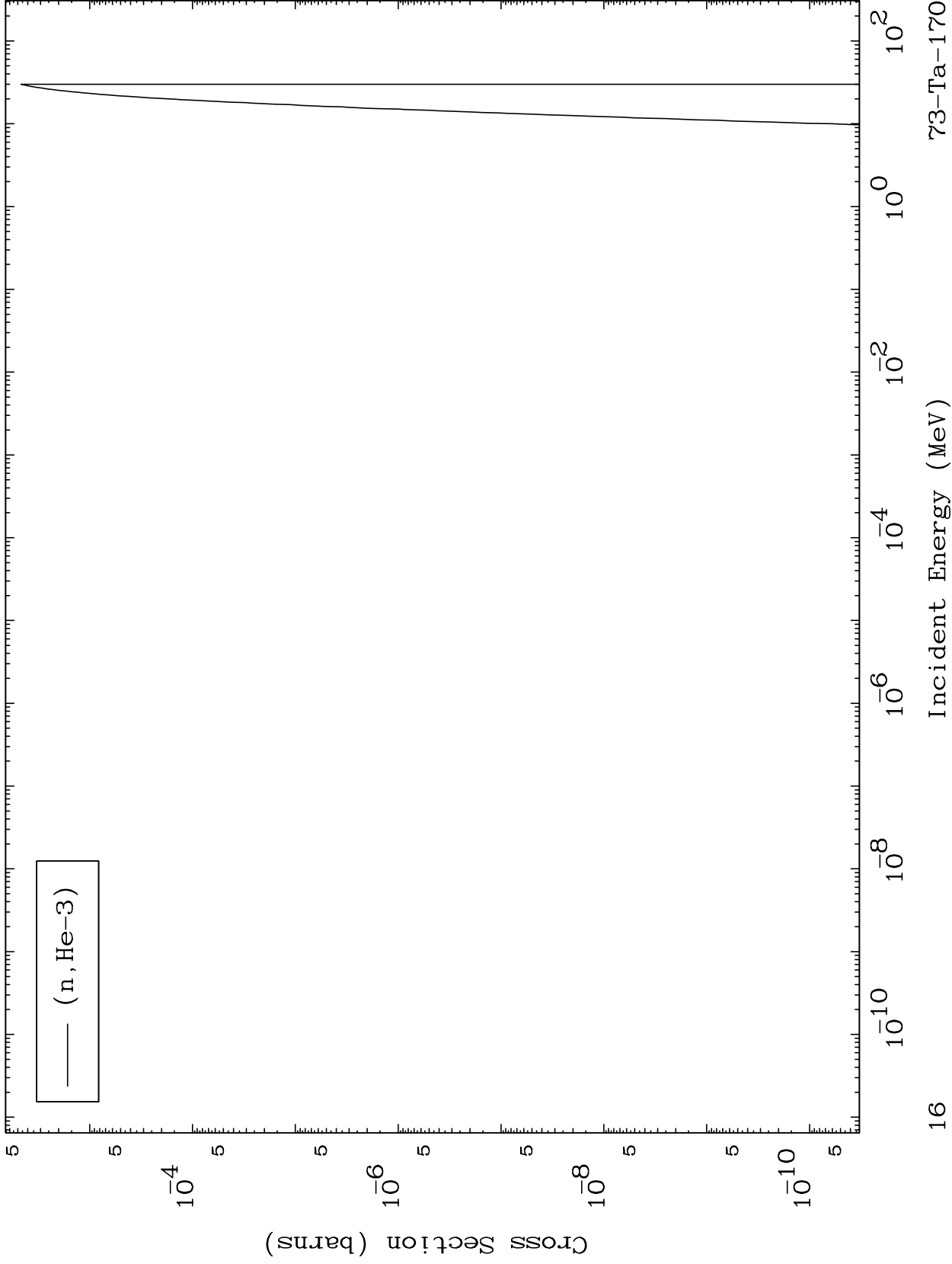
Incident Energy (MeV)

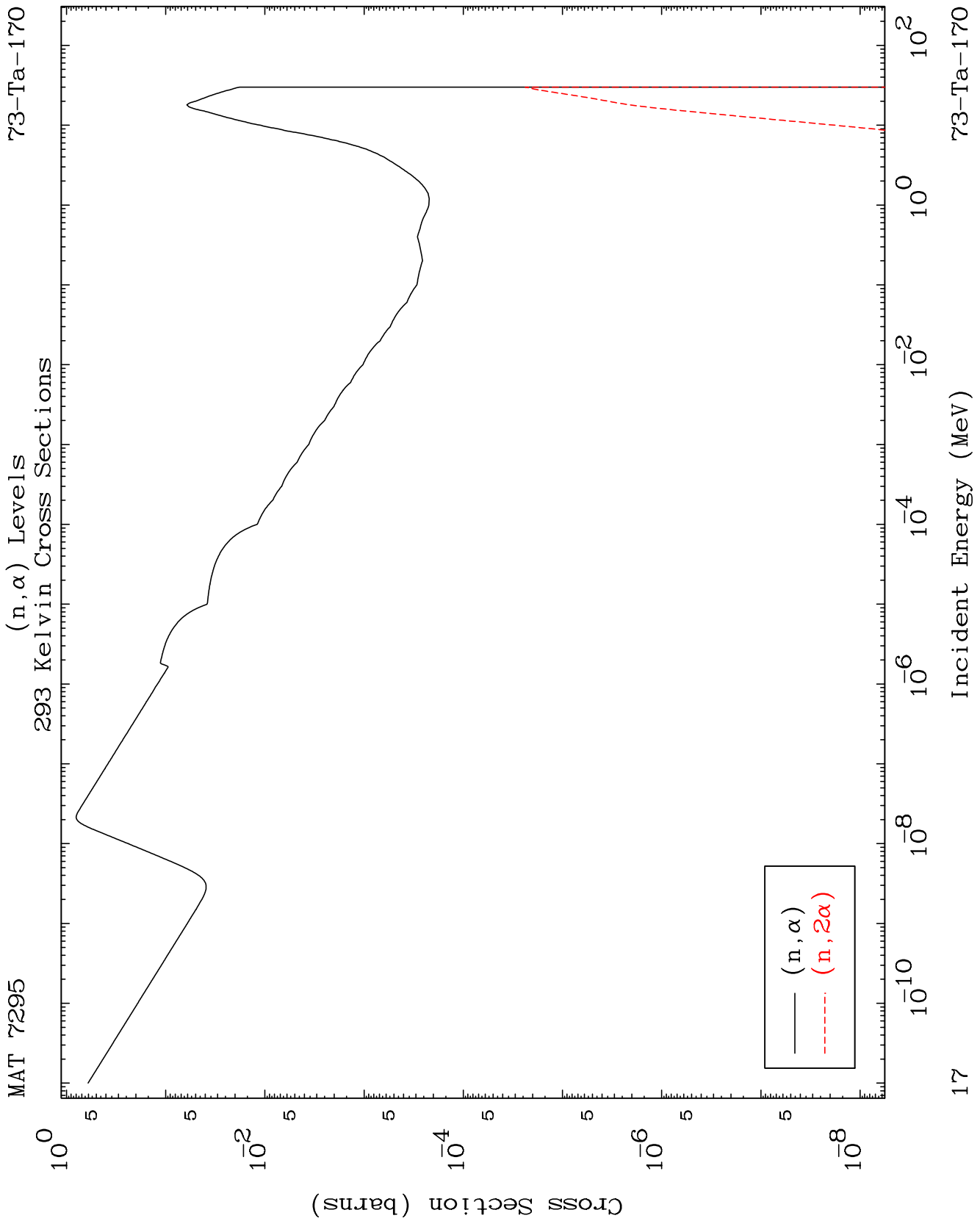
⁷³Ta-170

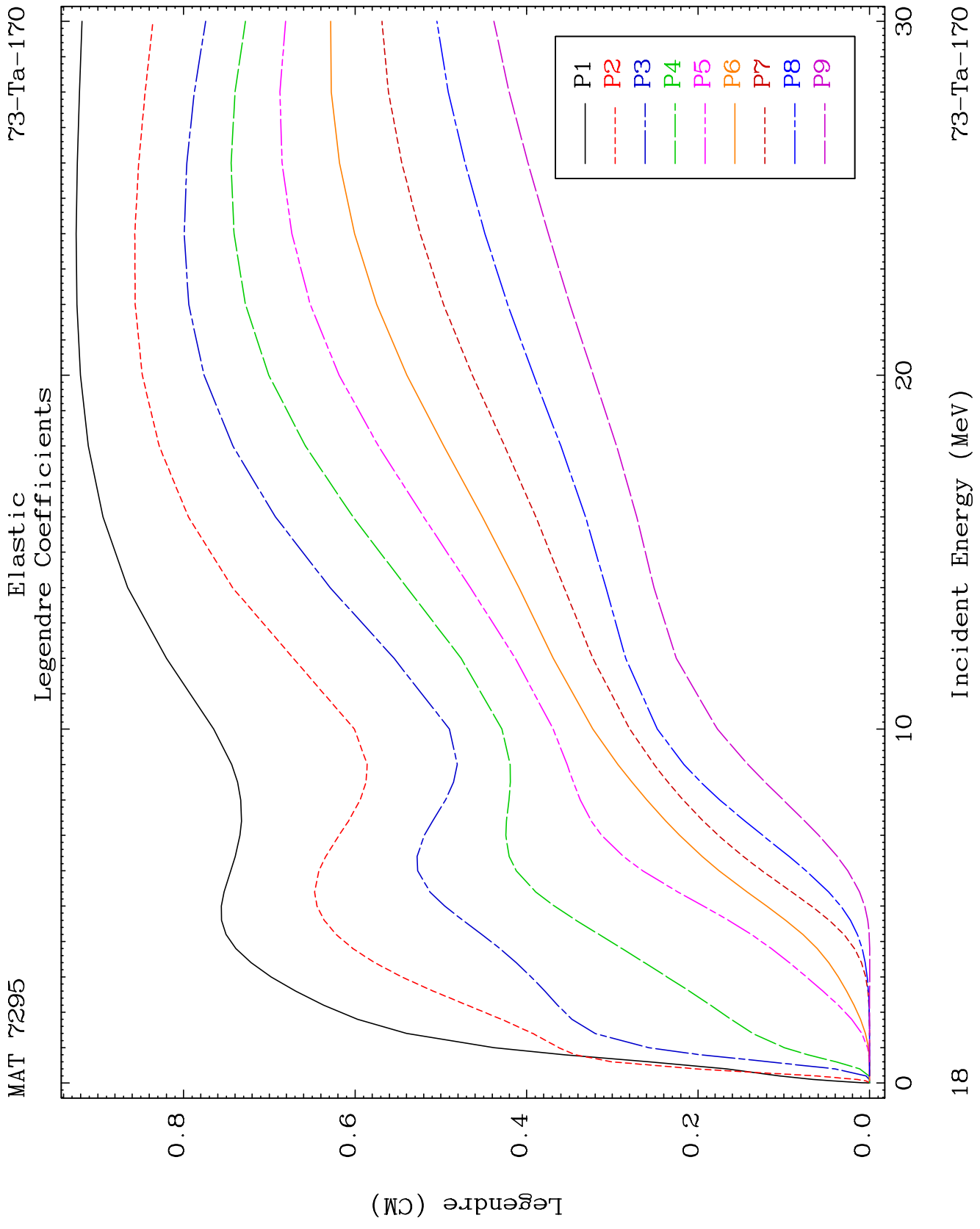
MAT 7295

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-170



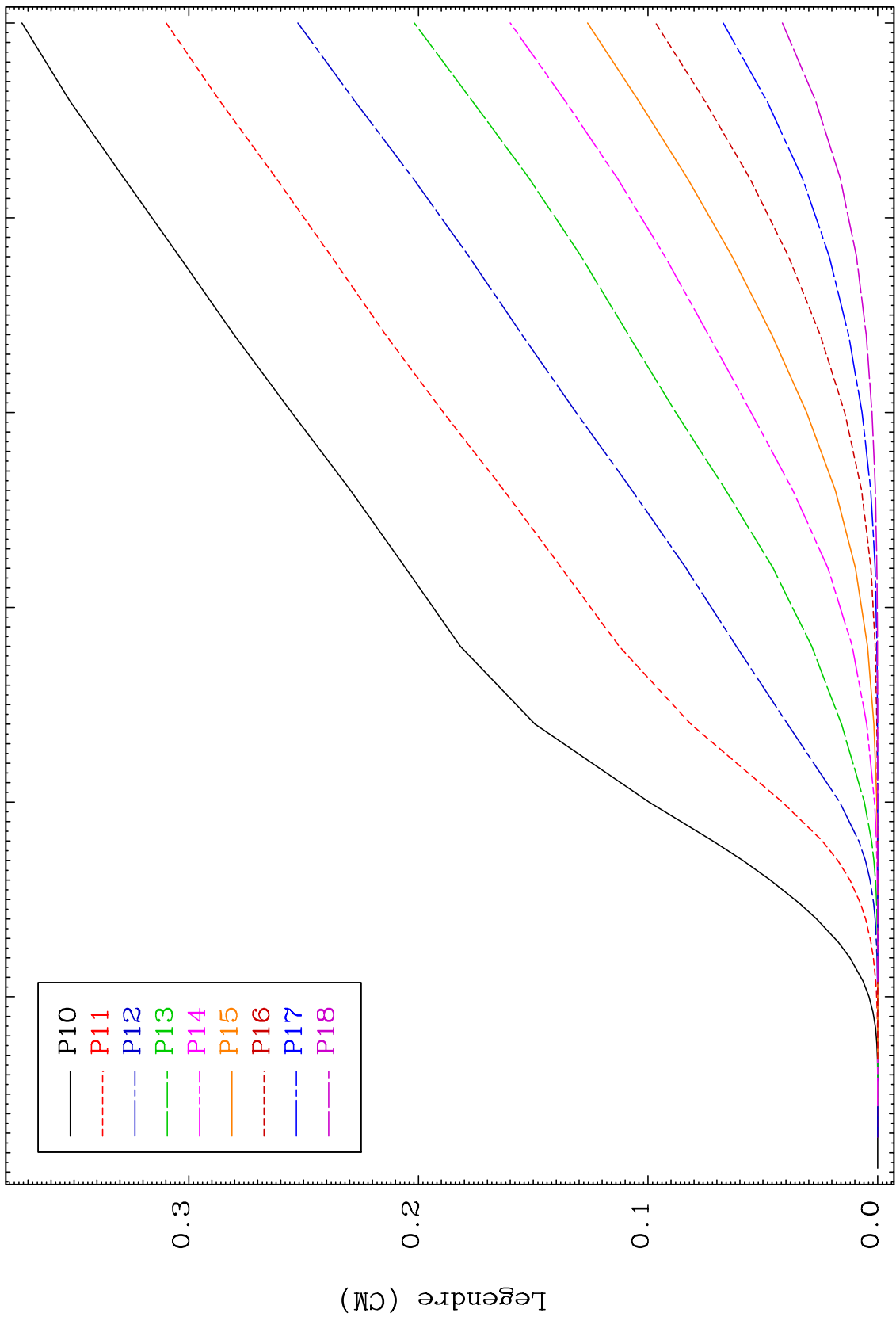




MAT 7295

Elastic Legendre Coefficients

⁷³Ta-170



19

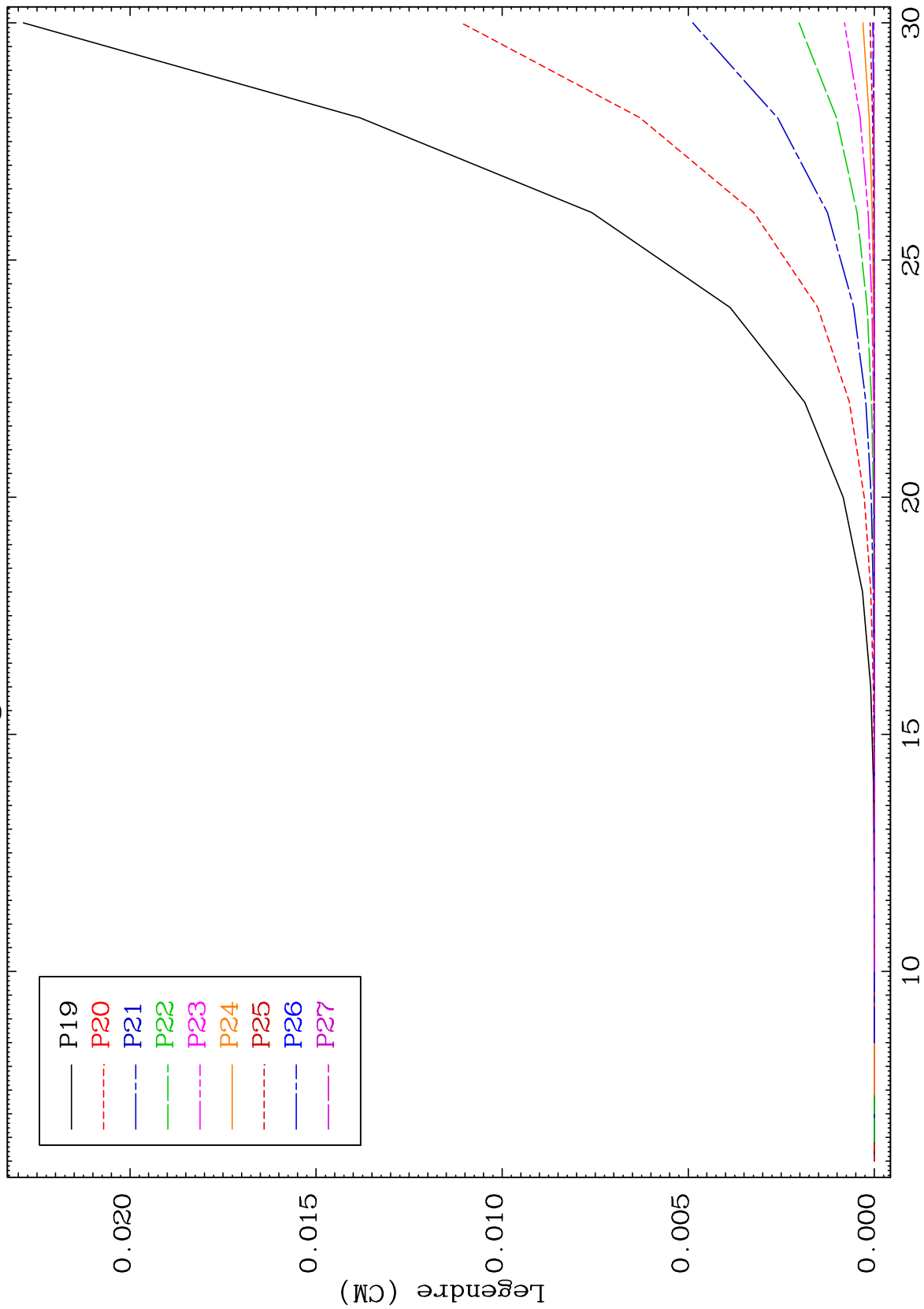
Incident Energy (MeV)

⁷³Ta-170

MAT 7295

Elastic
Legendre Coefficients

73-Ta-170



20

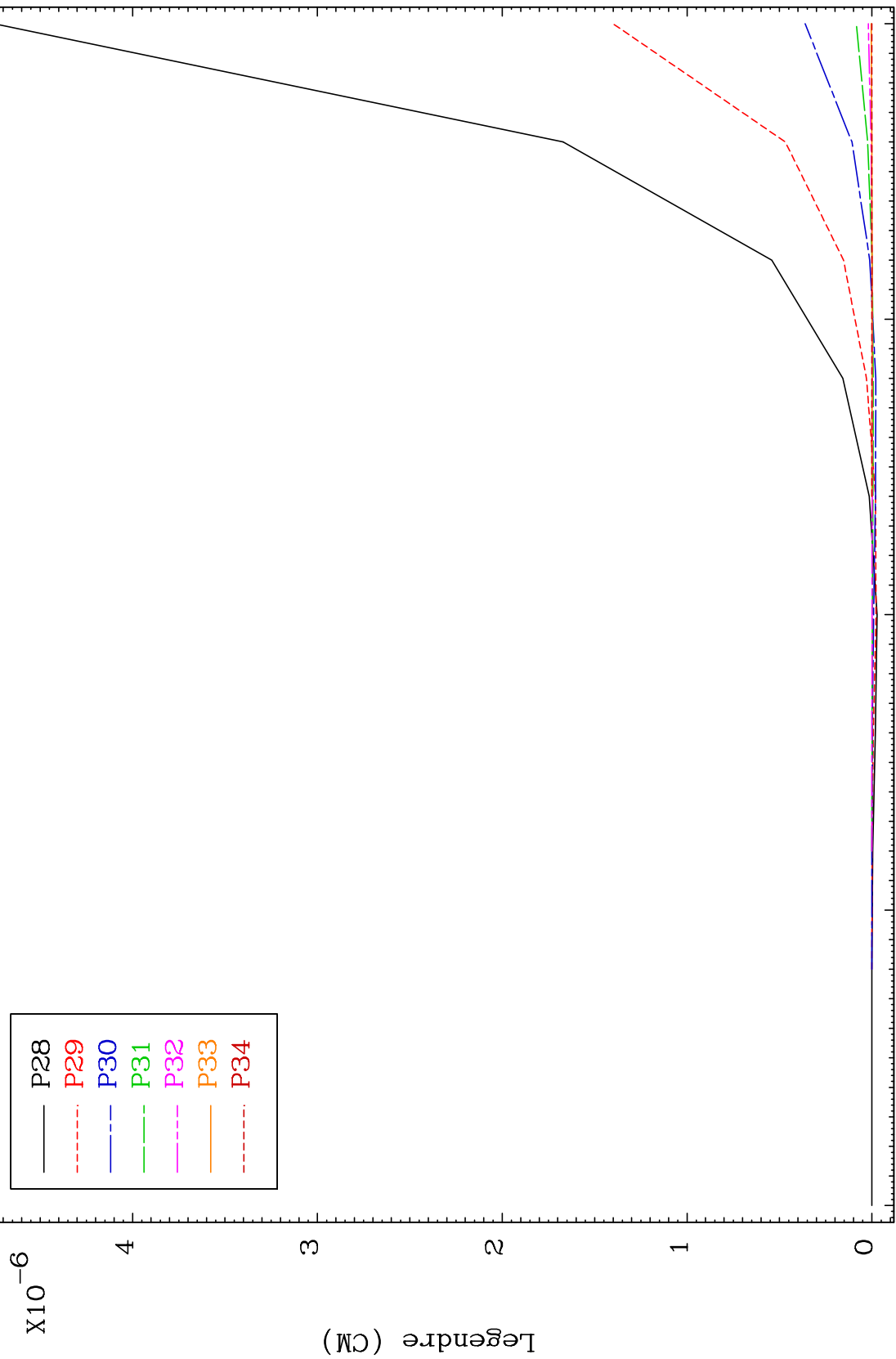
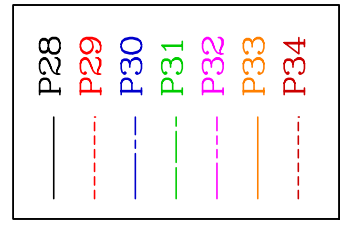
Incident Energy (MeV)

73-Ta-170

MAT 7295

Elastic Legendre Coefficients

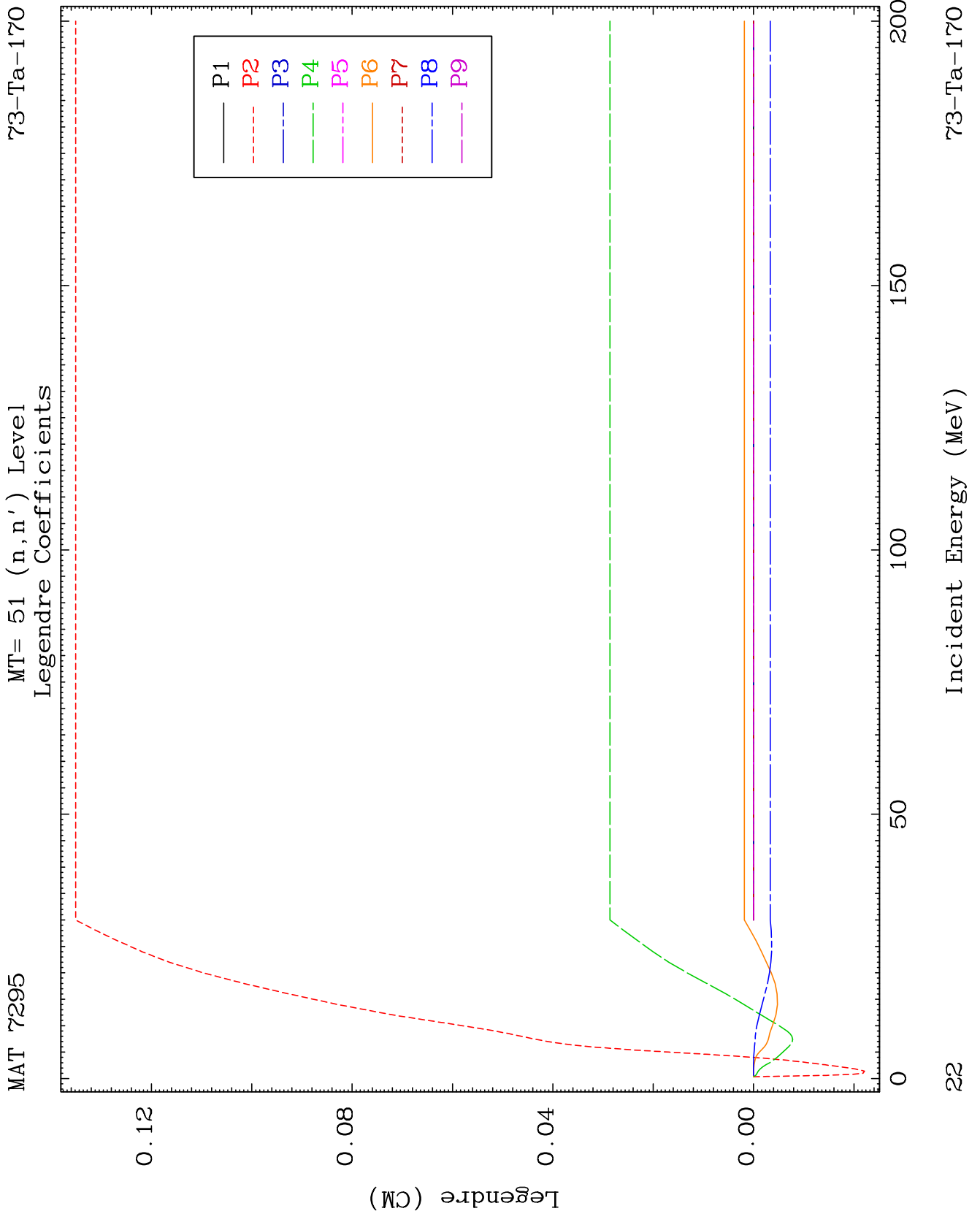
⁷³Ta-170

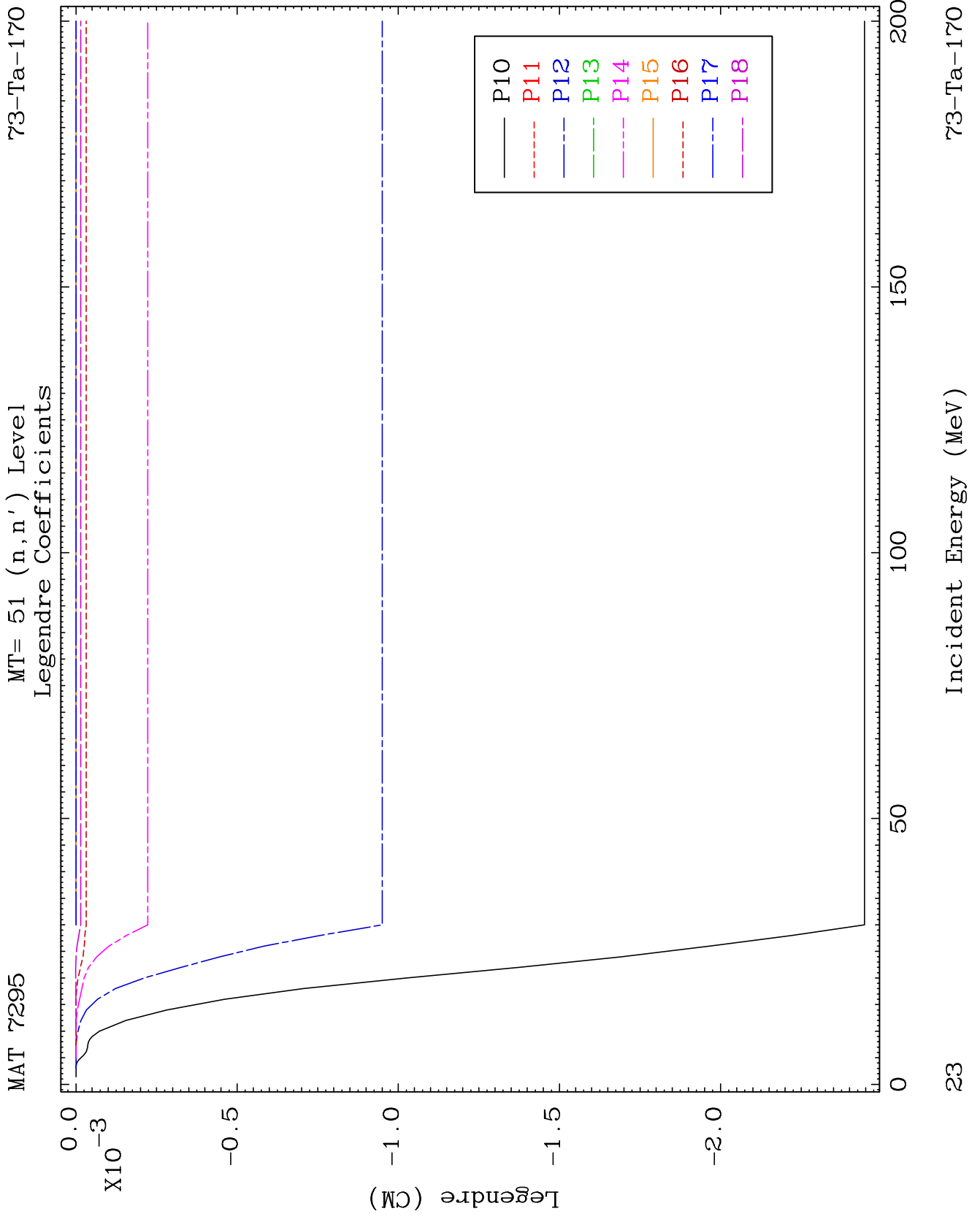


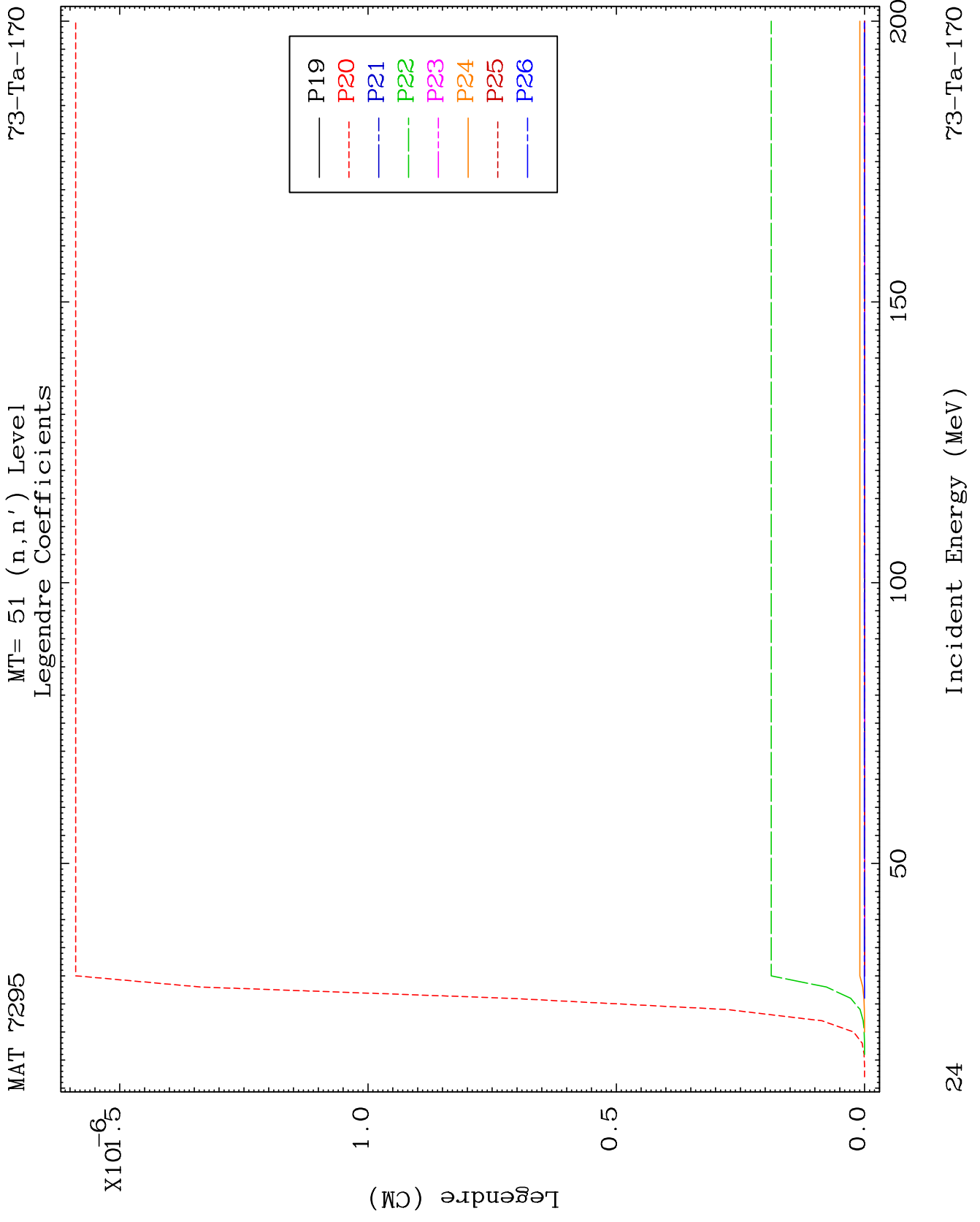
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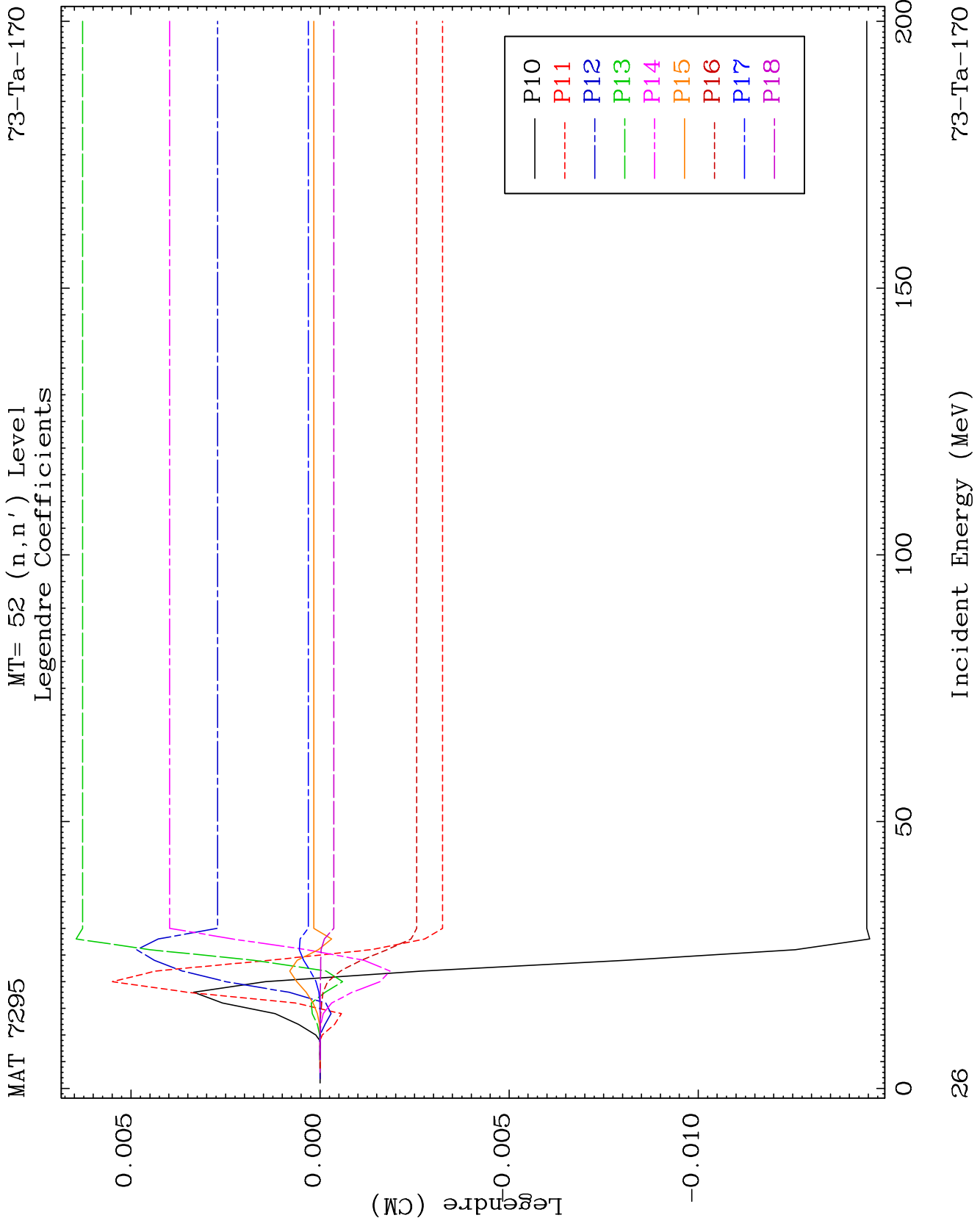
Incident Energy (MeV)

⁷³Ta-170





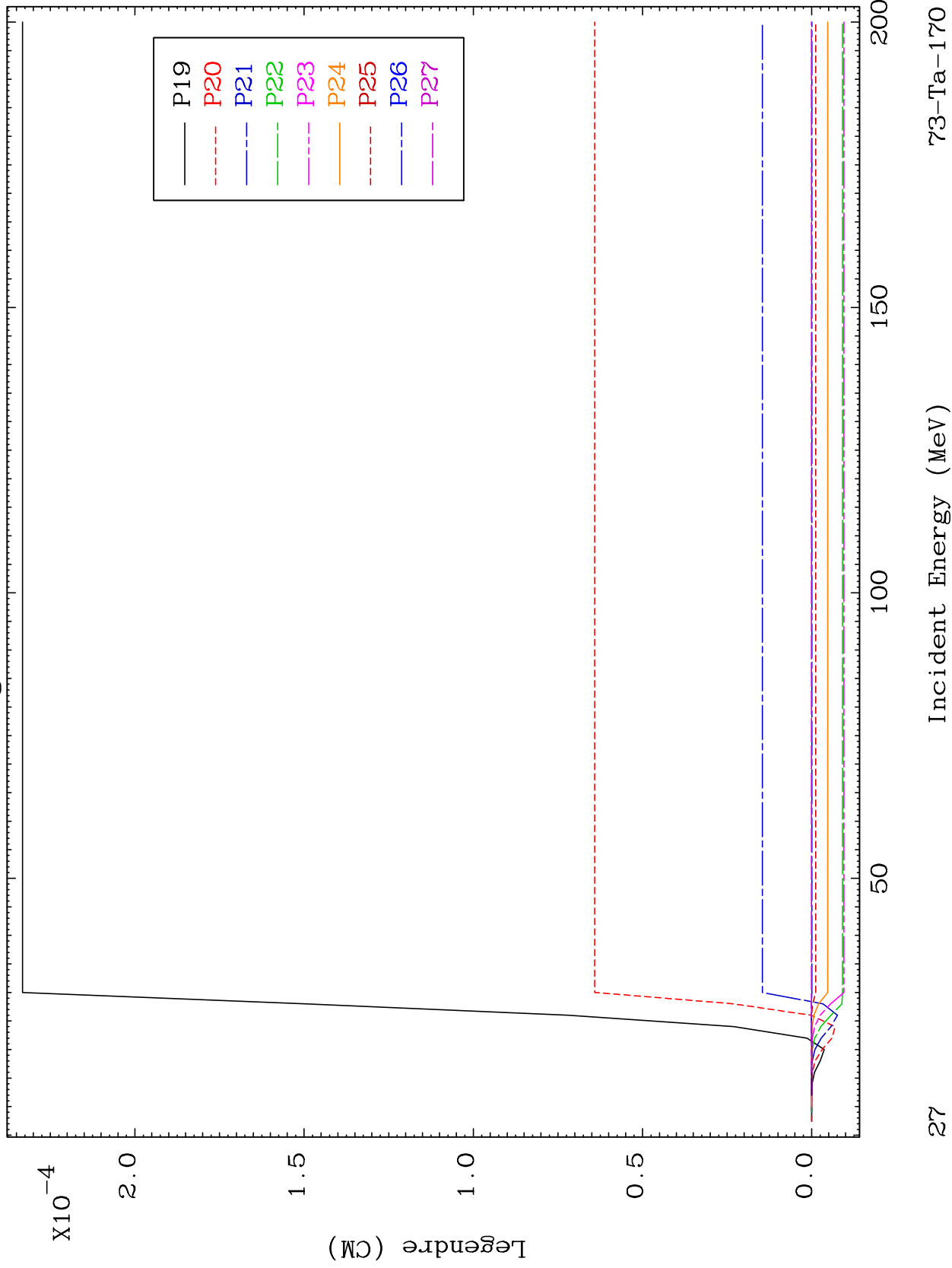




MAT 7295

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

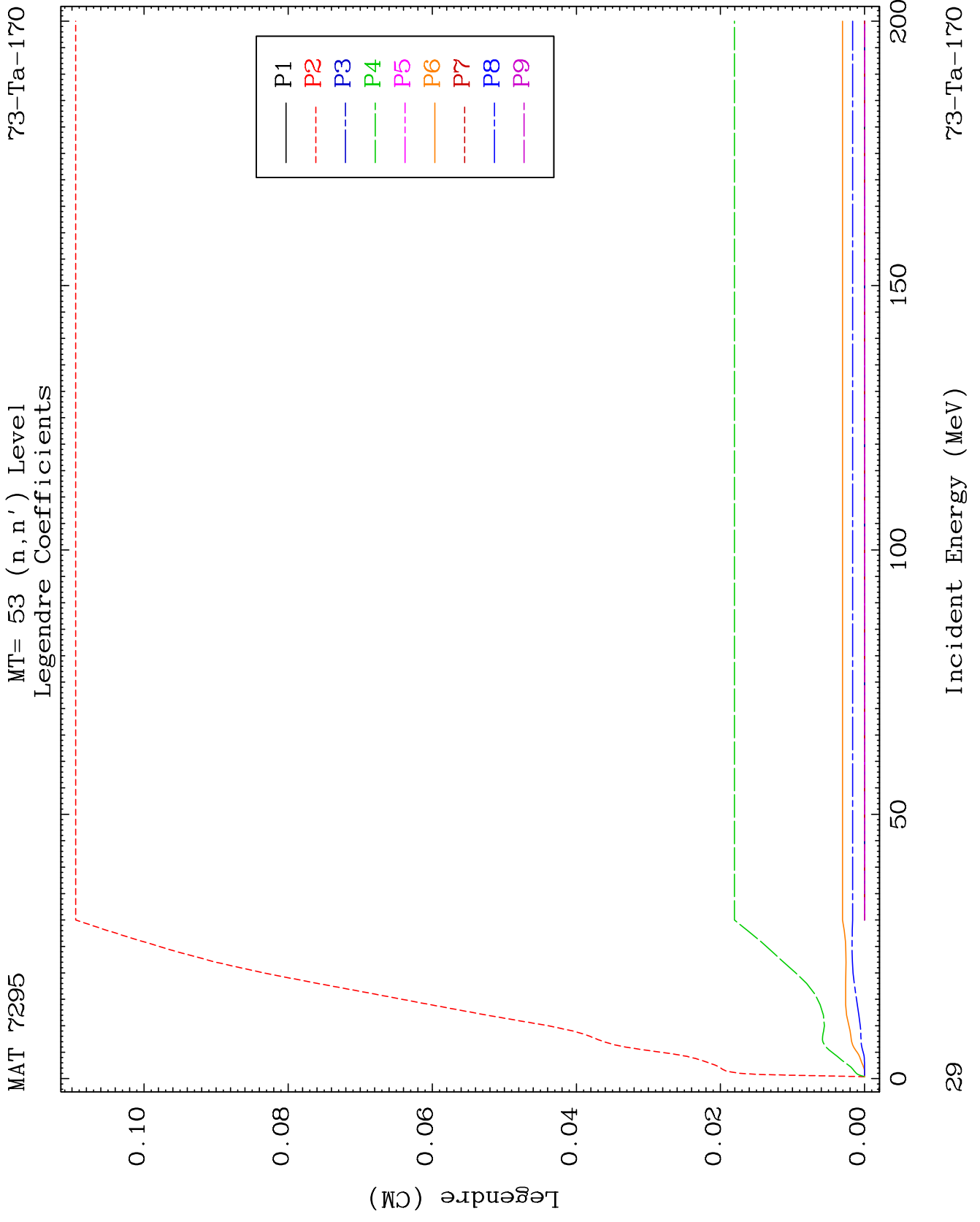
73-Ta-170



27

Incident Energy (MeV)

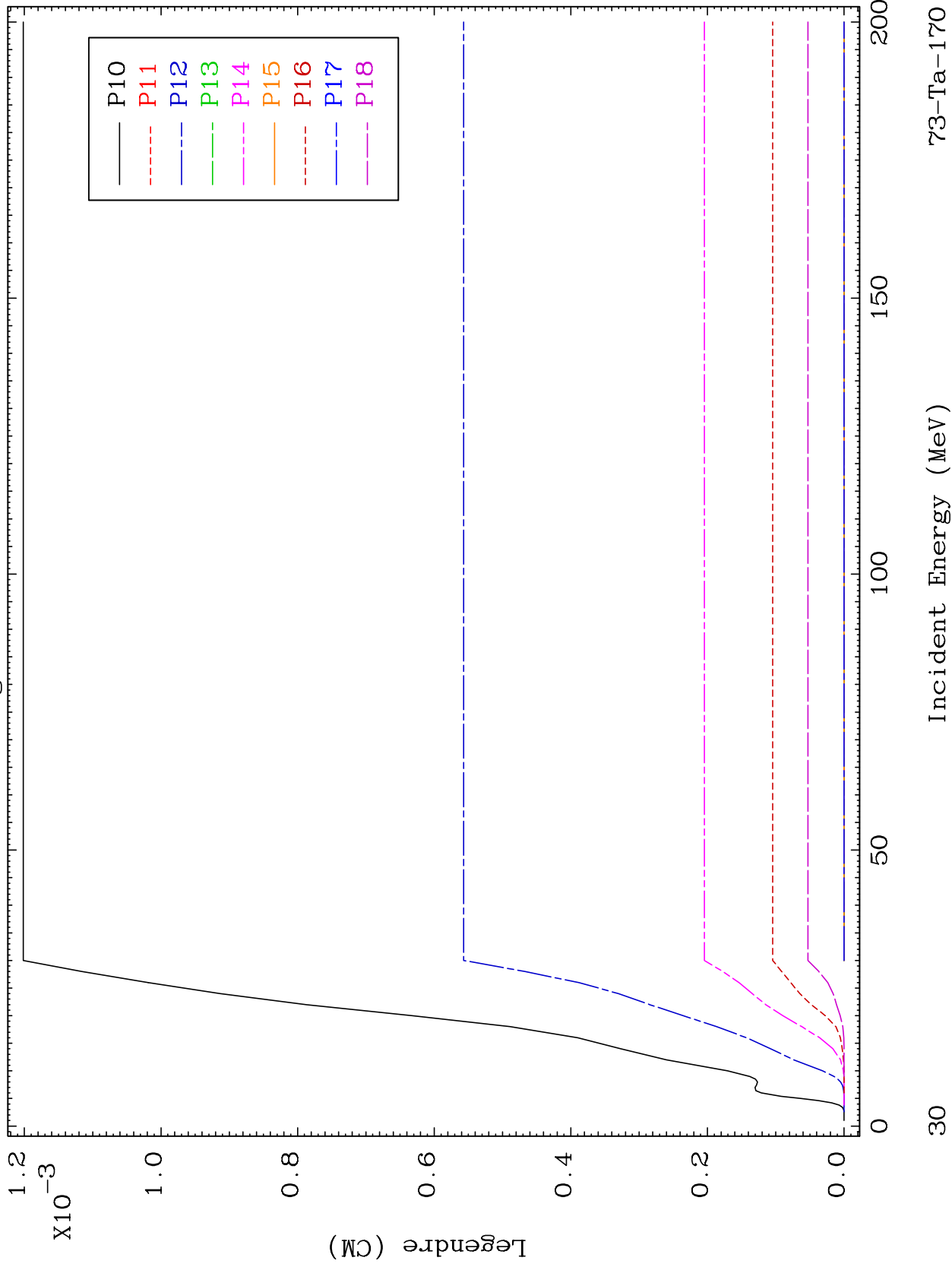
73-Ta-170

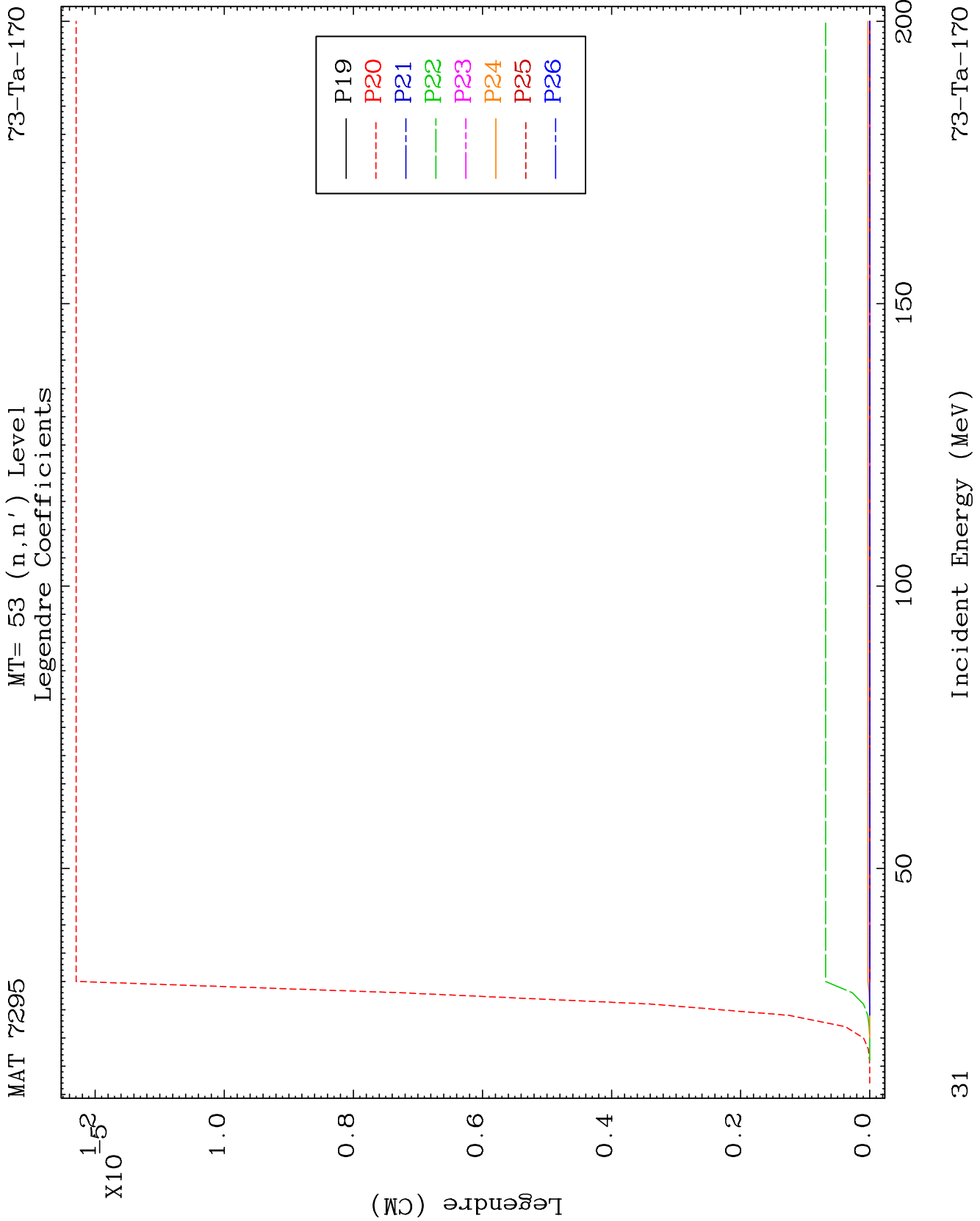


MAT 7295

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

73-Ta-170

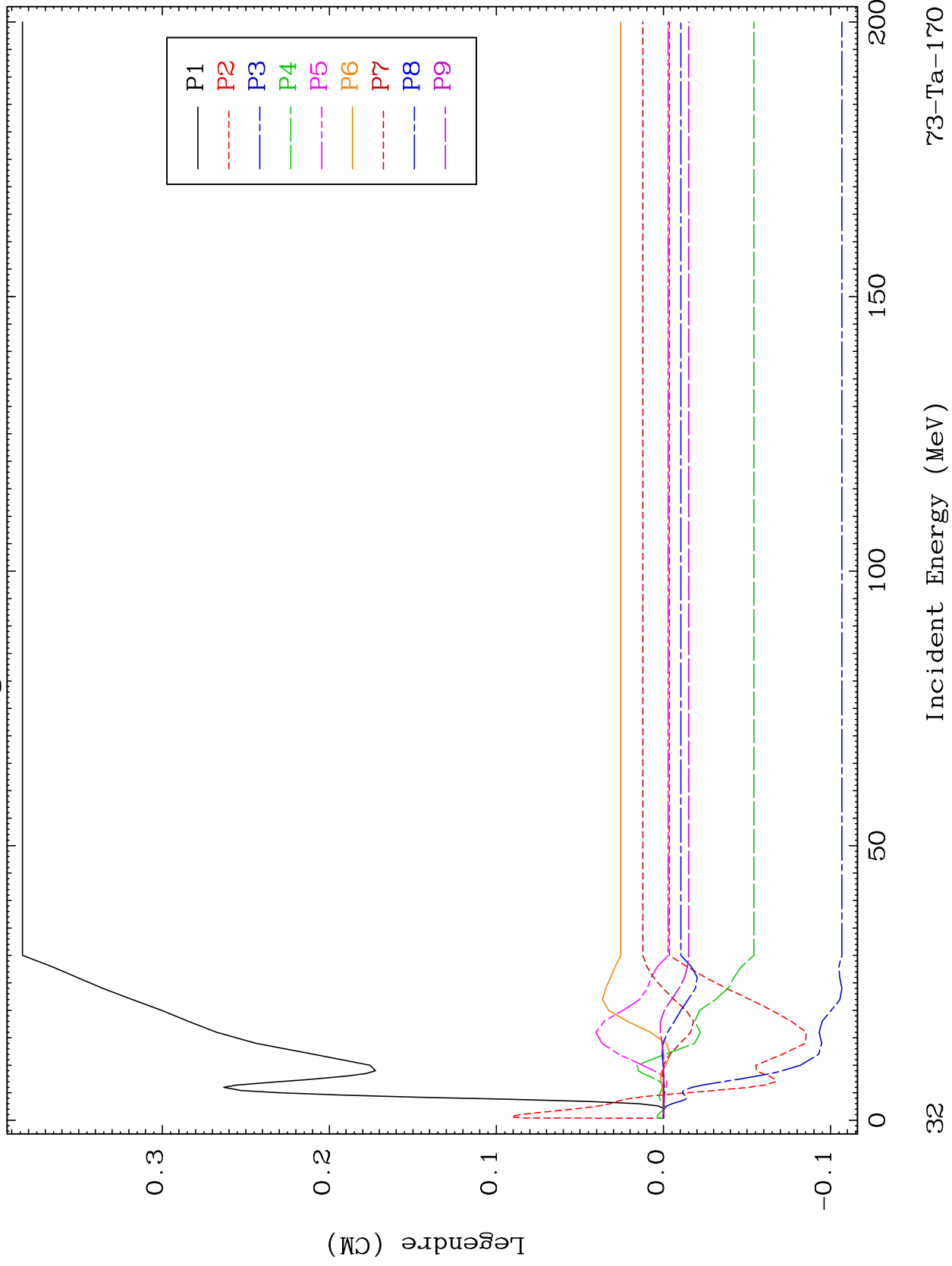




MAT 7295

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

73-Ta-170



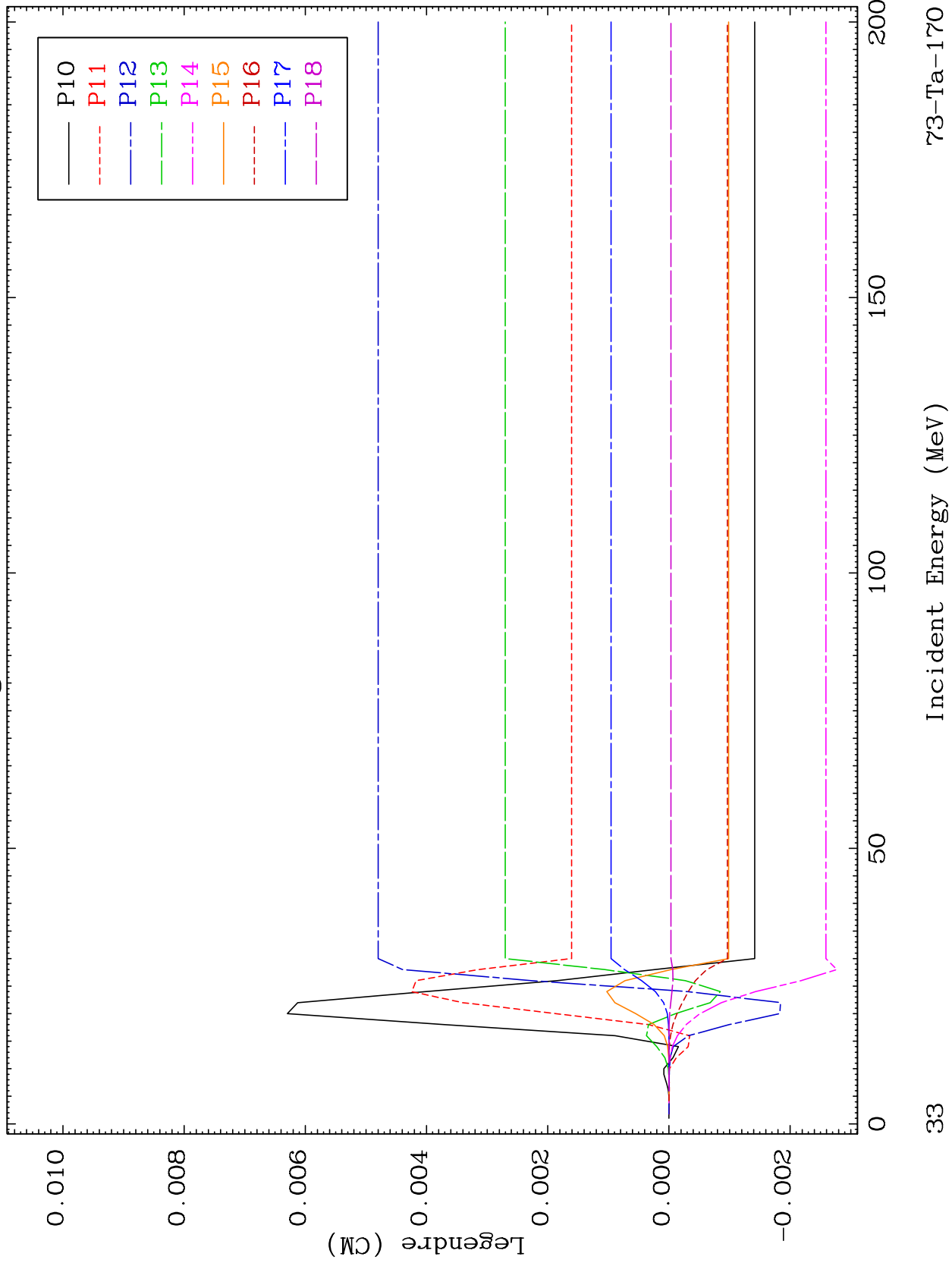
32

73-Ta-170

MAT 7295

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

73-Ta-170



33

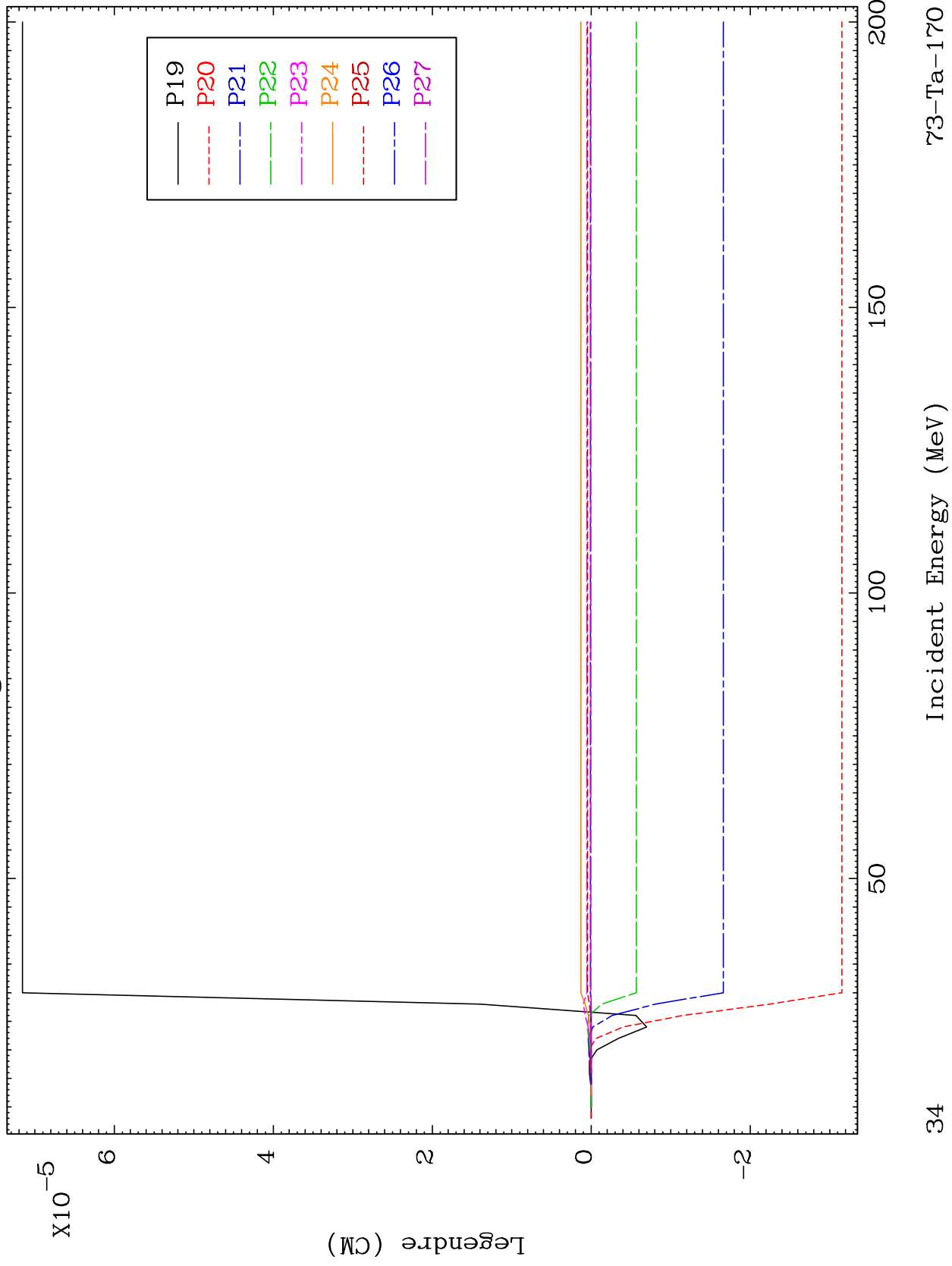
Incident Energy (MeV)

73-Ta-170

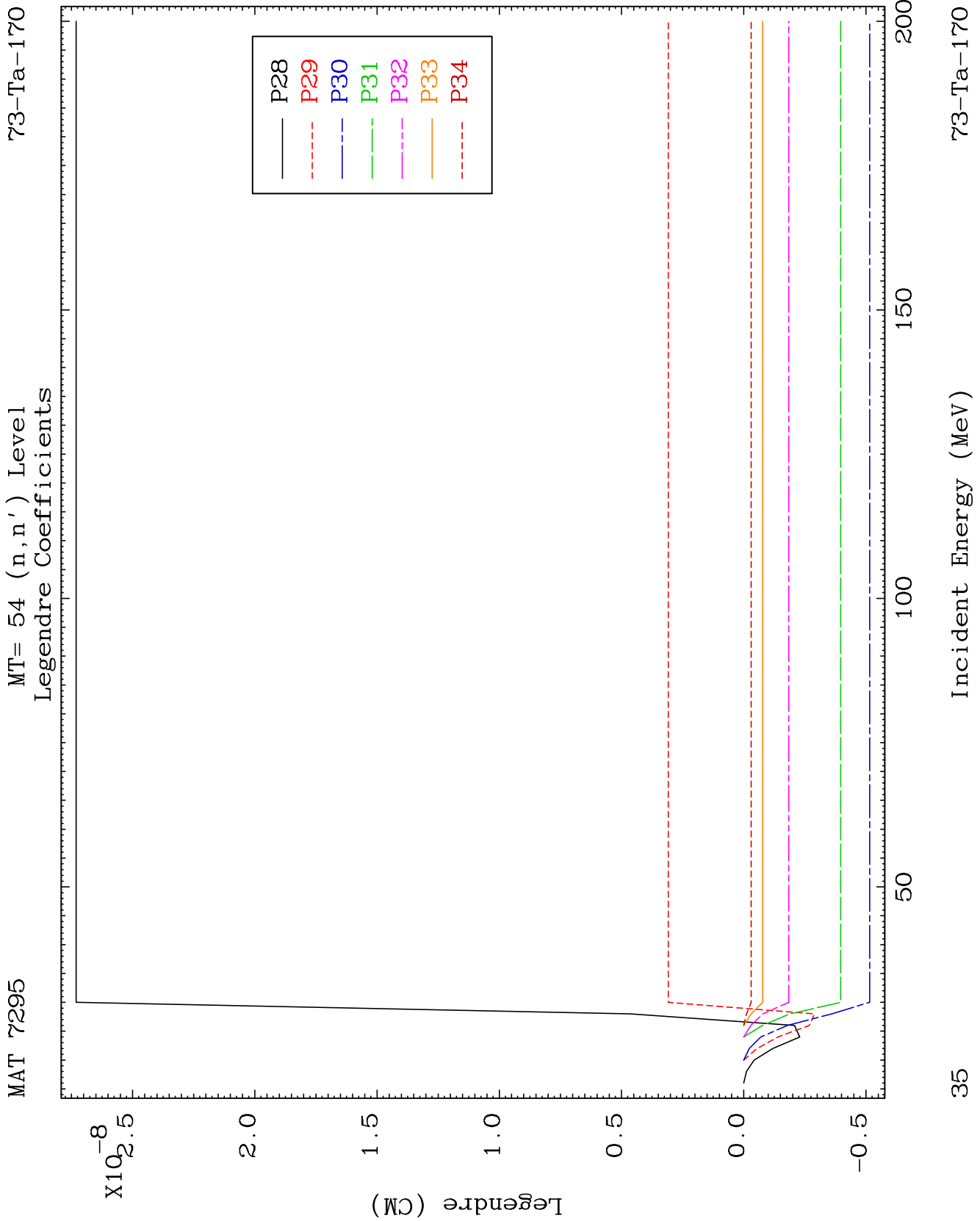
MAT 7295

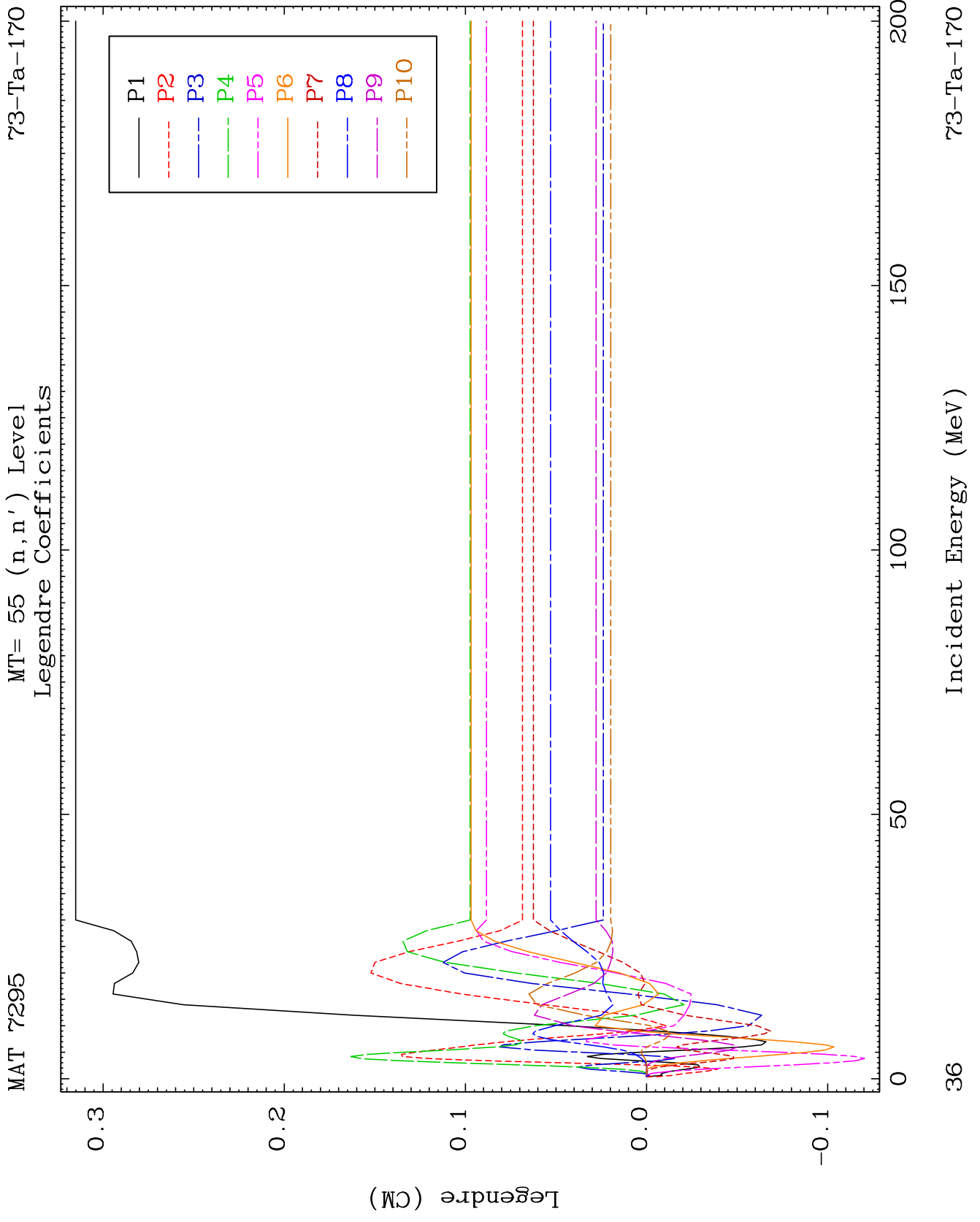
MT= 54 (n,n') Level
Legendre Coefficients

73-Ta-170



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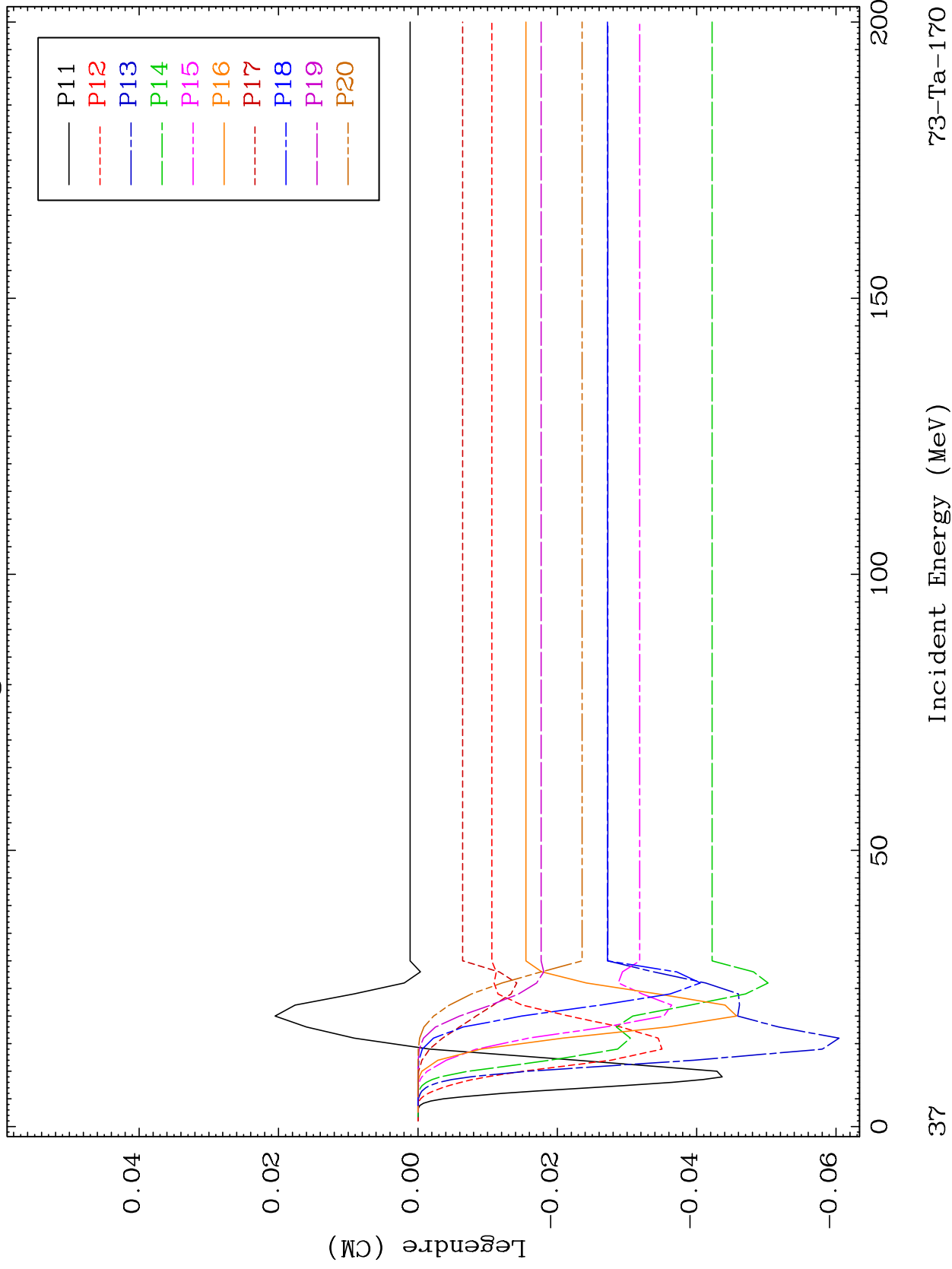




MAT 7295

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

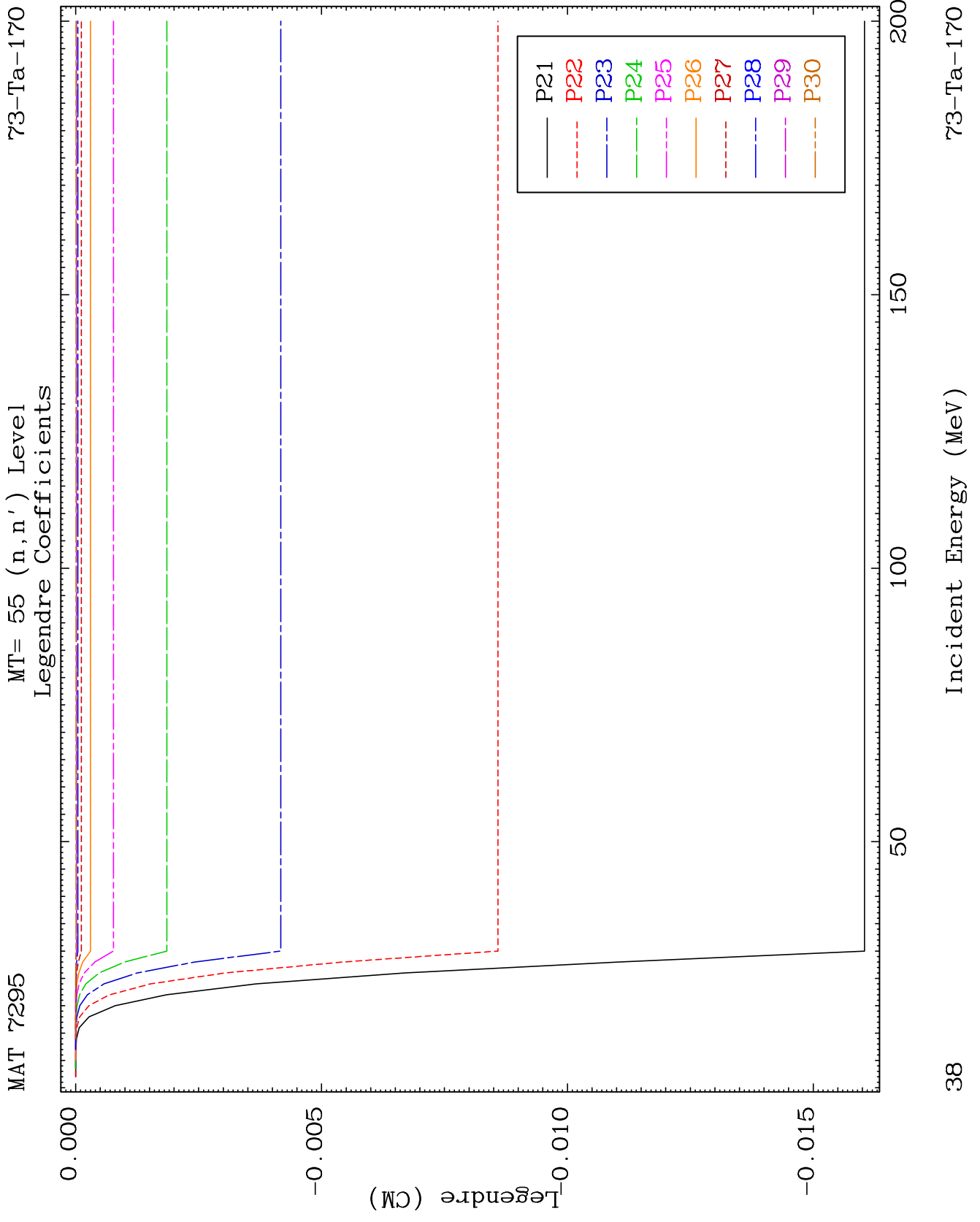
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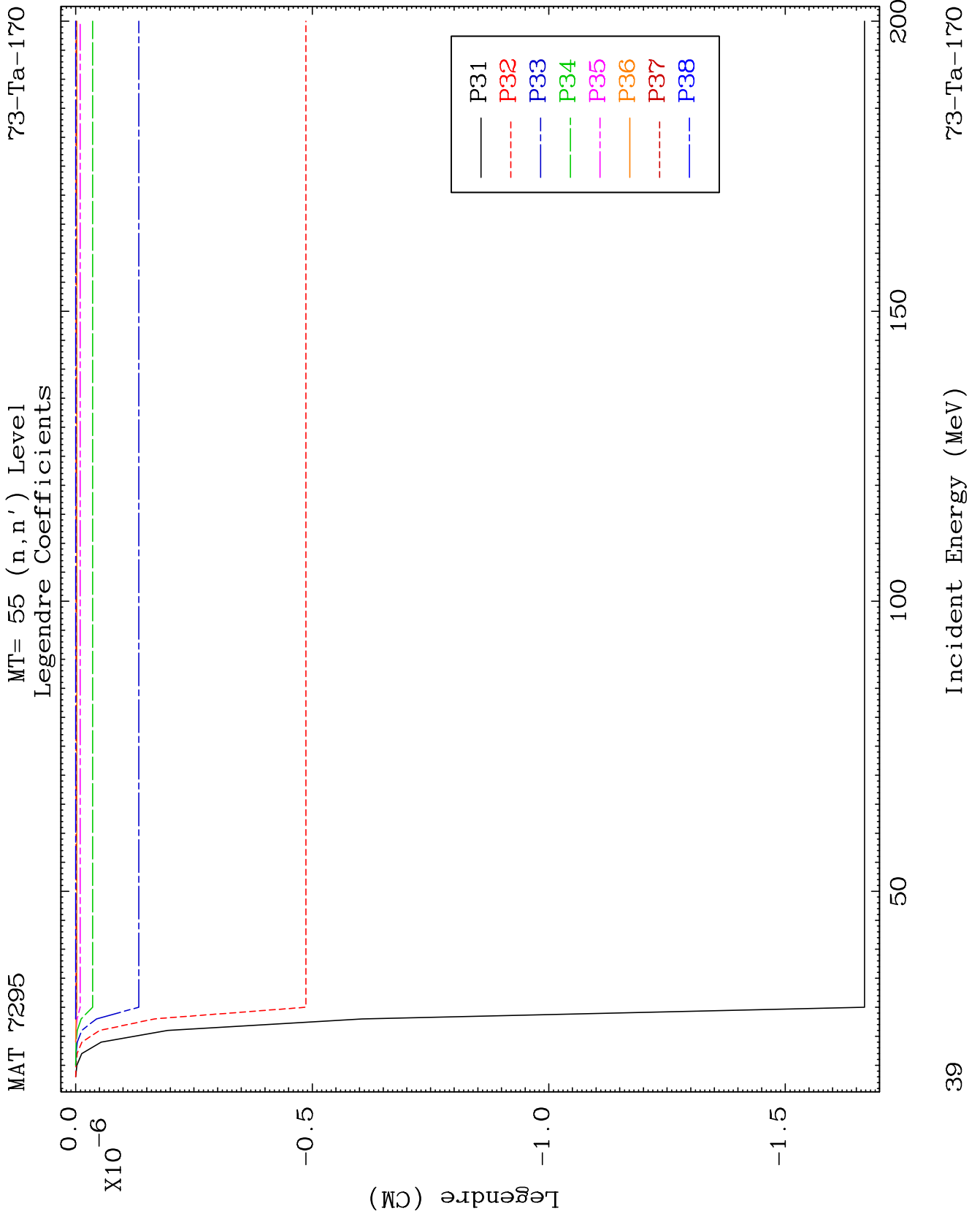


37

Incident Energy (MeV)

73-Ta-170

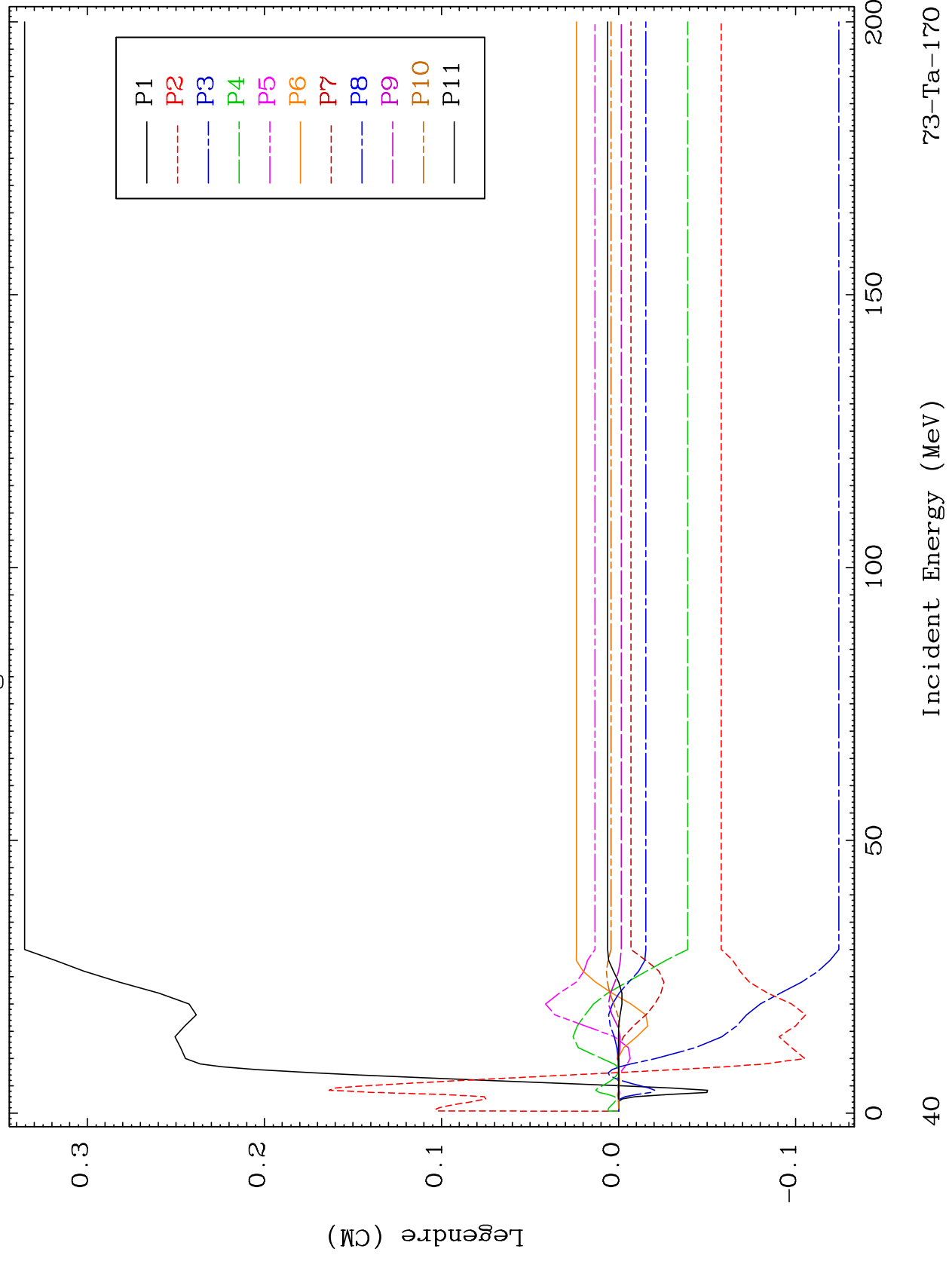




MAT 7295

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

73-Ta-170



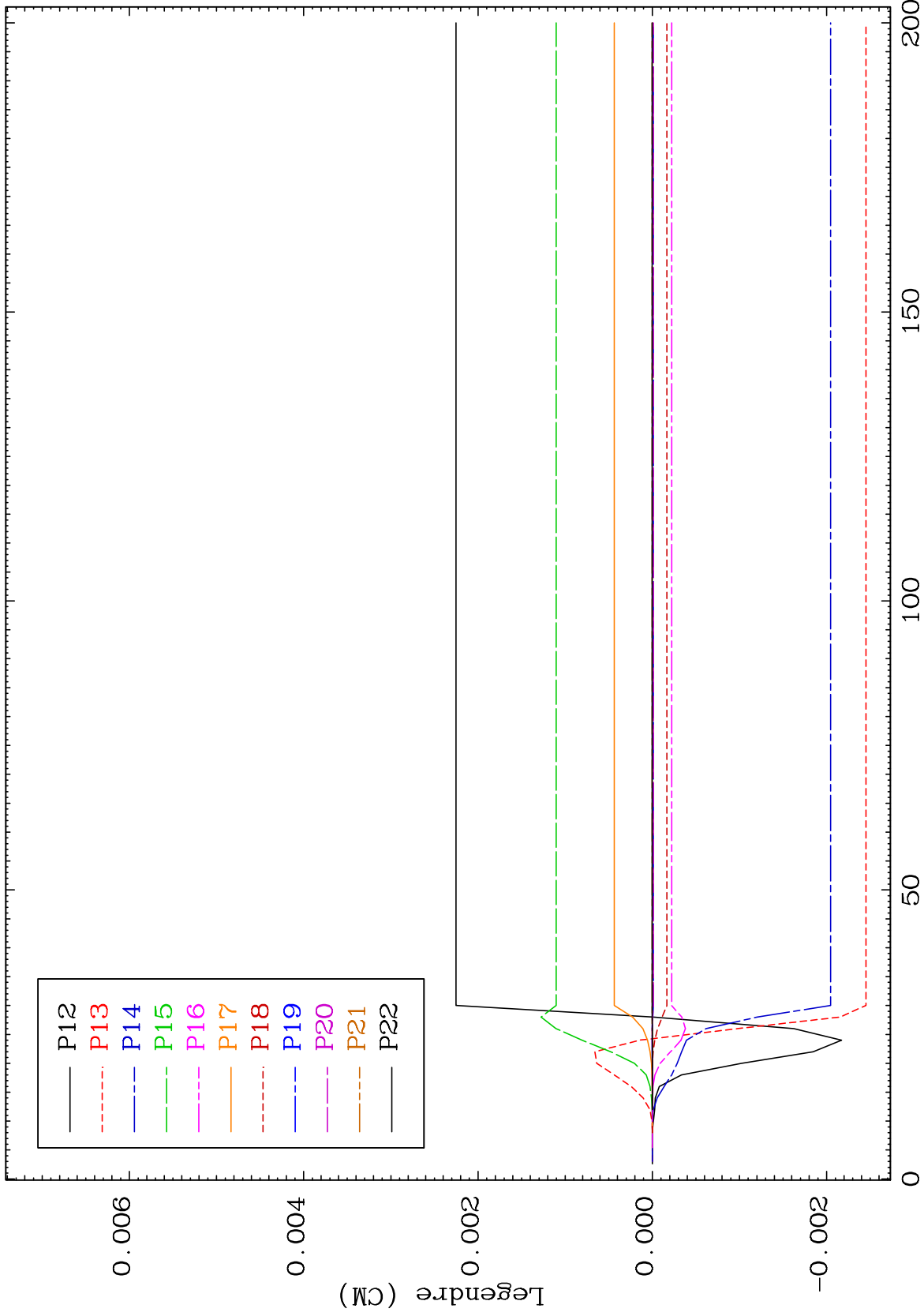
73-Ta-170

Incident Energy (MeV)

MAT 7295

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

73-Ta-170



41

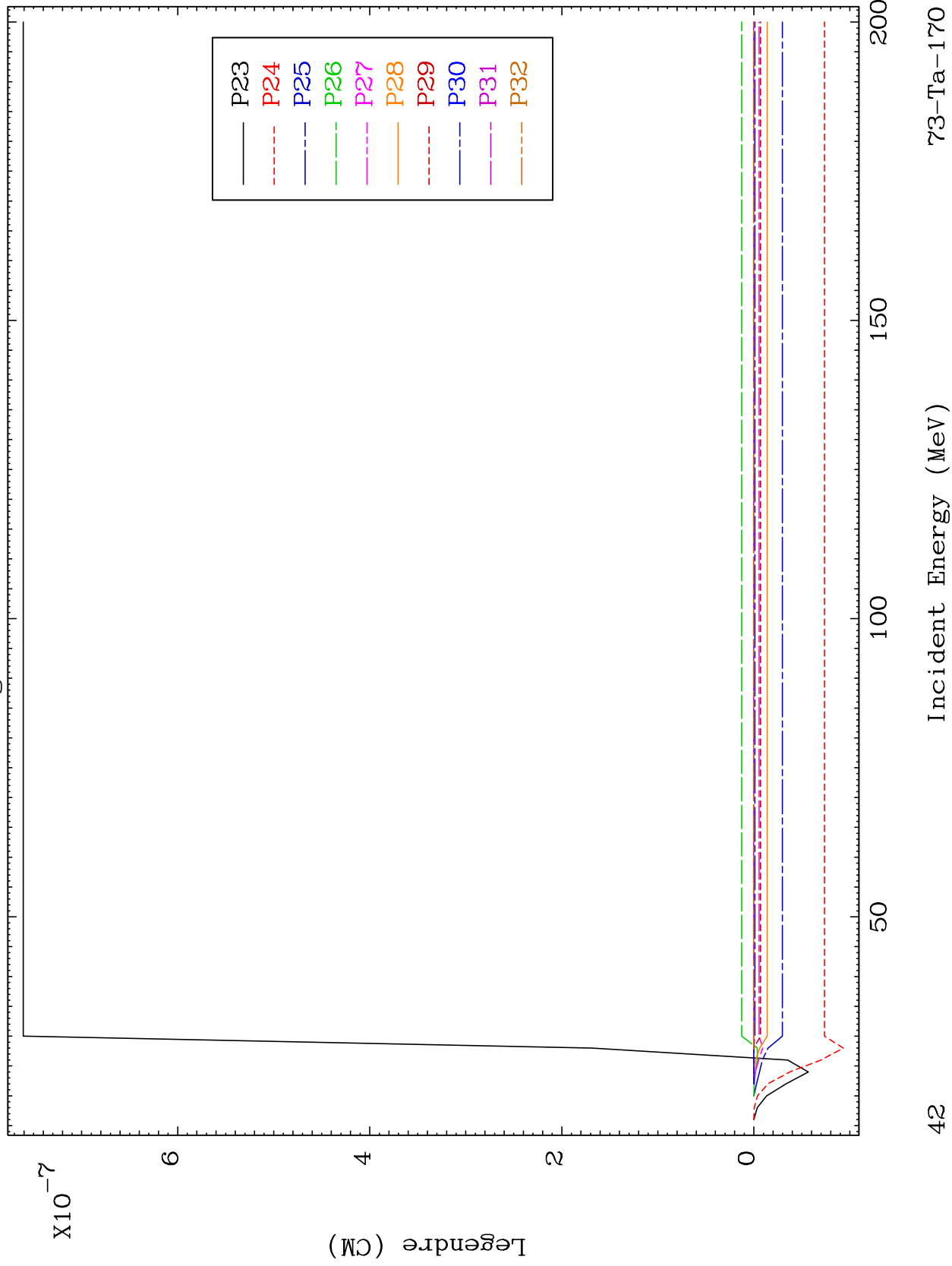
Incident Energy (MeV)

73-Ta-170

MAT 7295

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

73-Ta-170



42

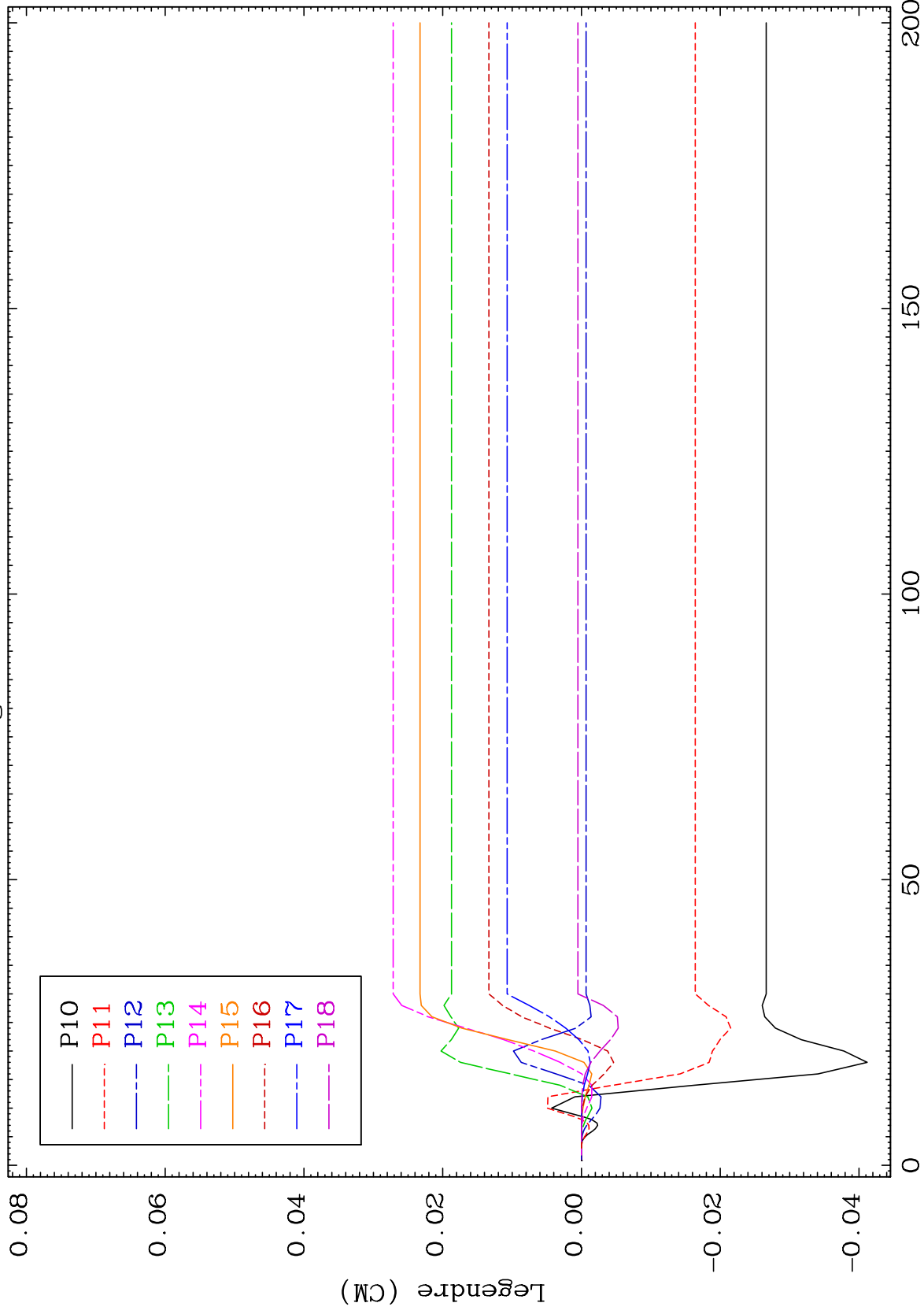
Incident Energy (MeV)

73-Ta-170

MAT 7295

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

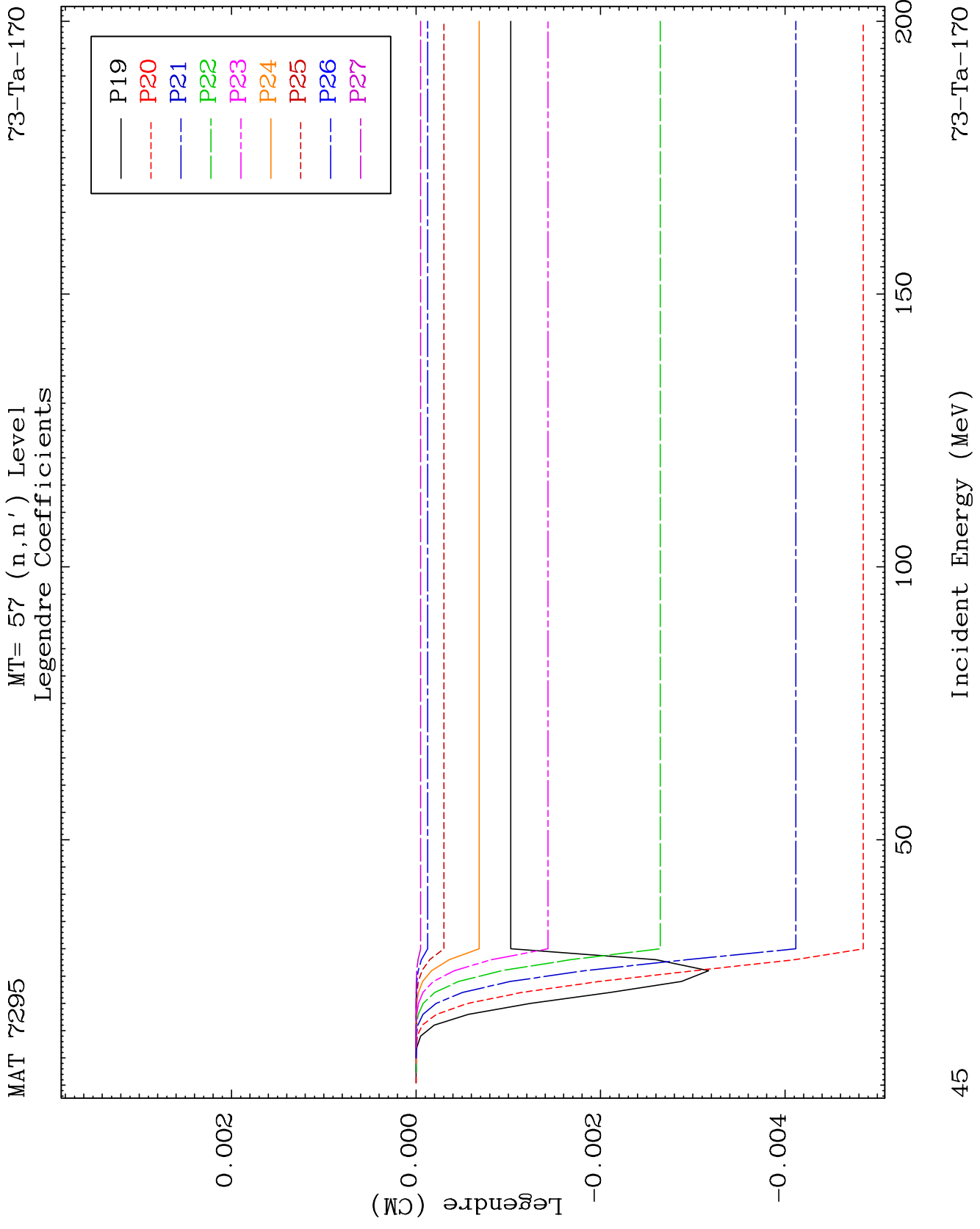
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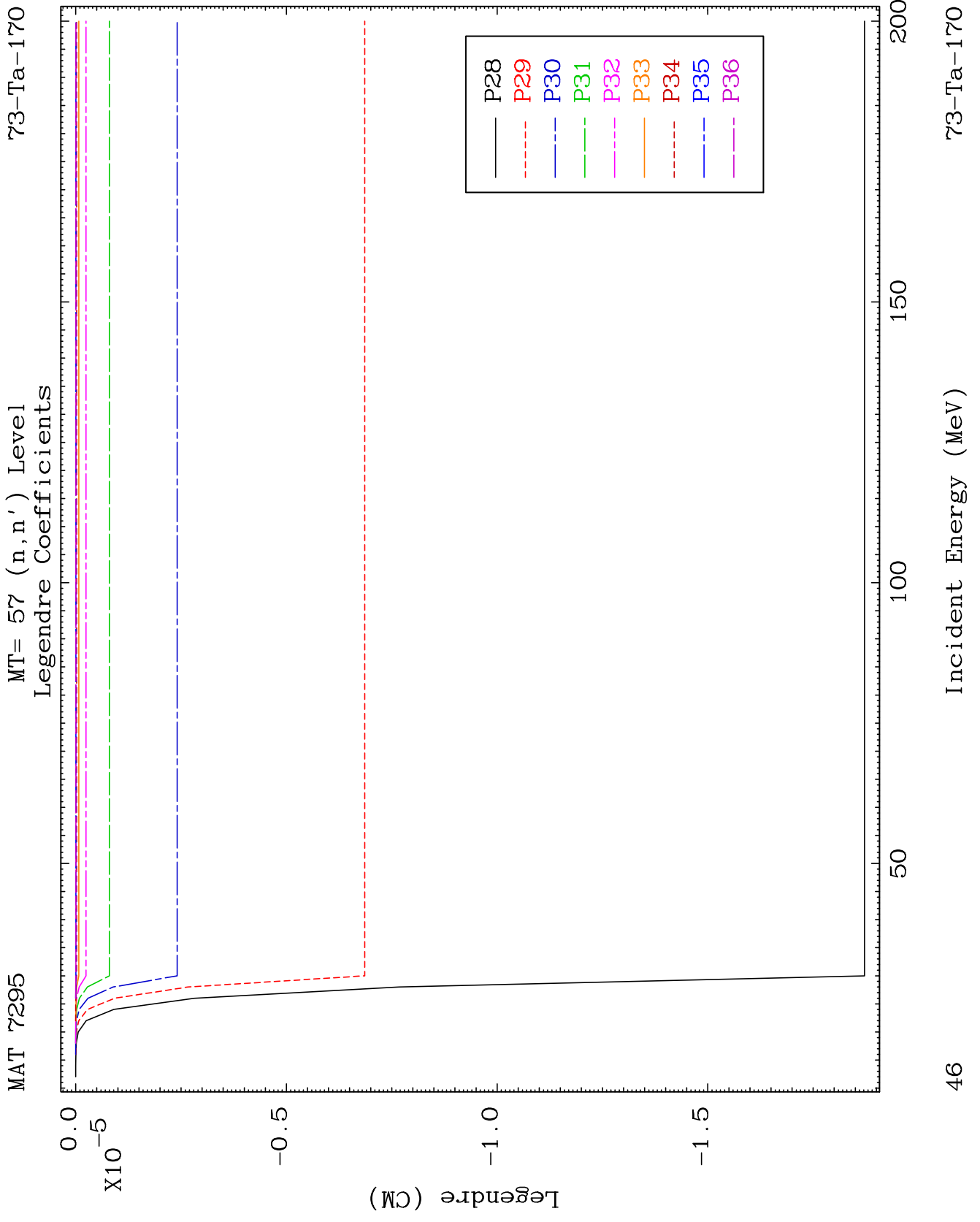


44

Incident Energy (MeV)

73-Ta-170

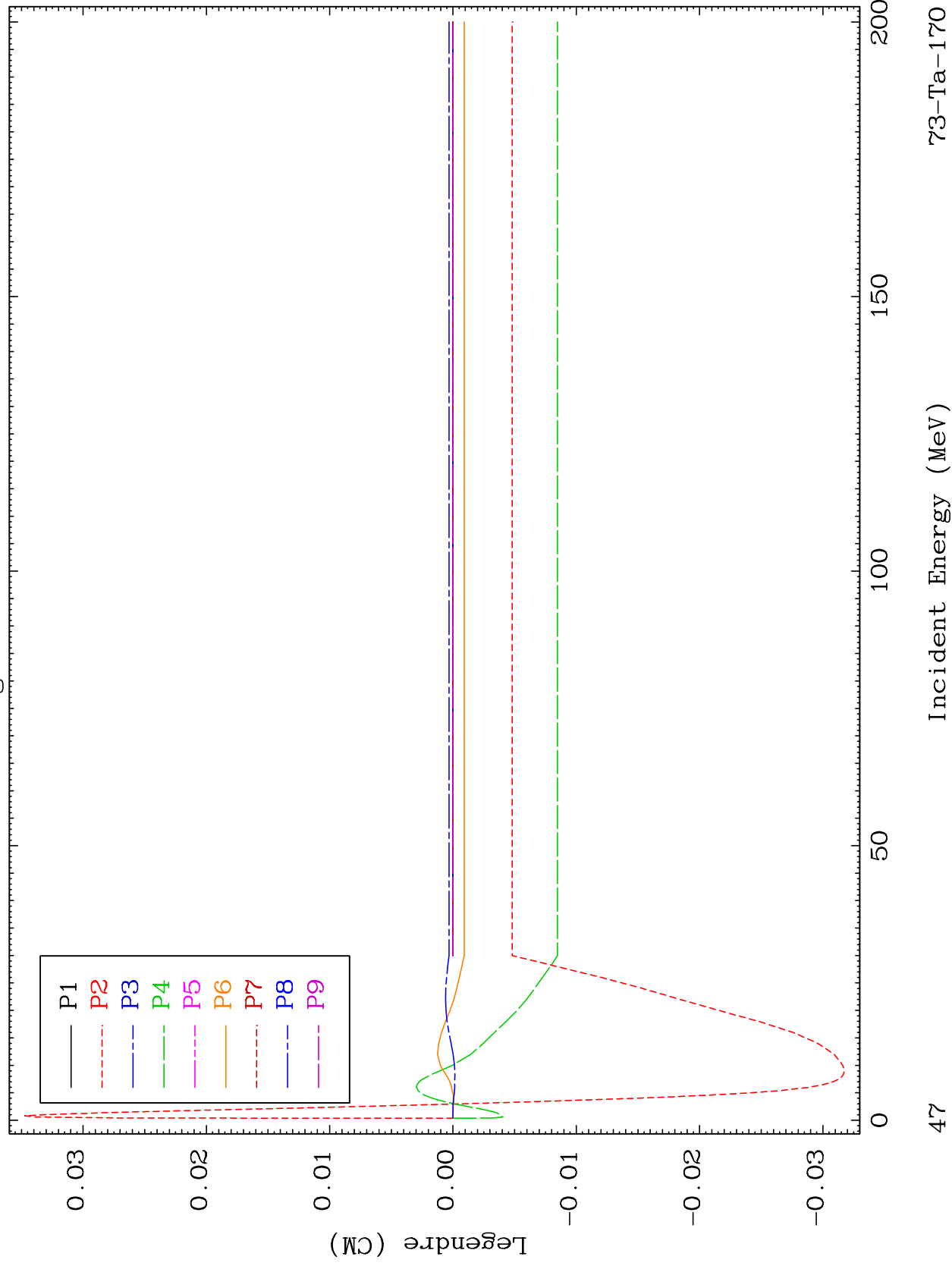




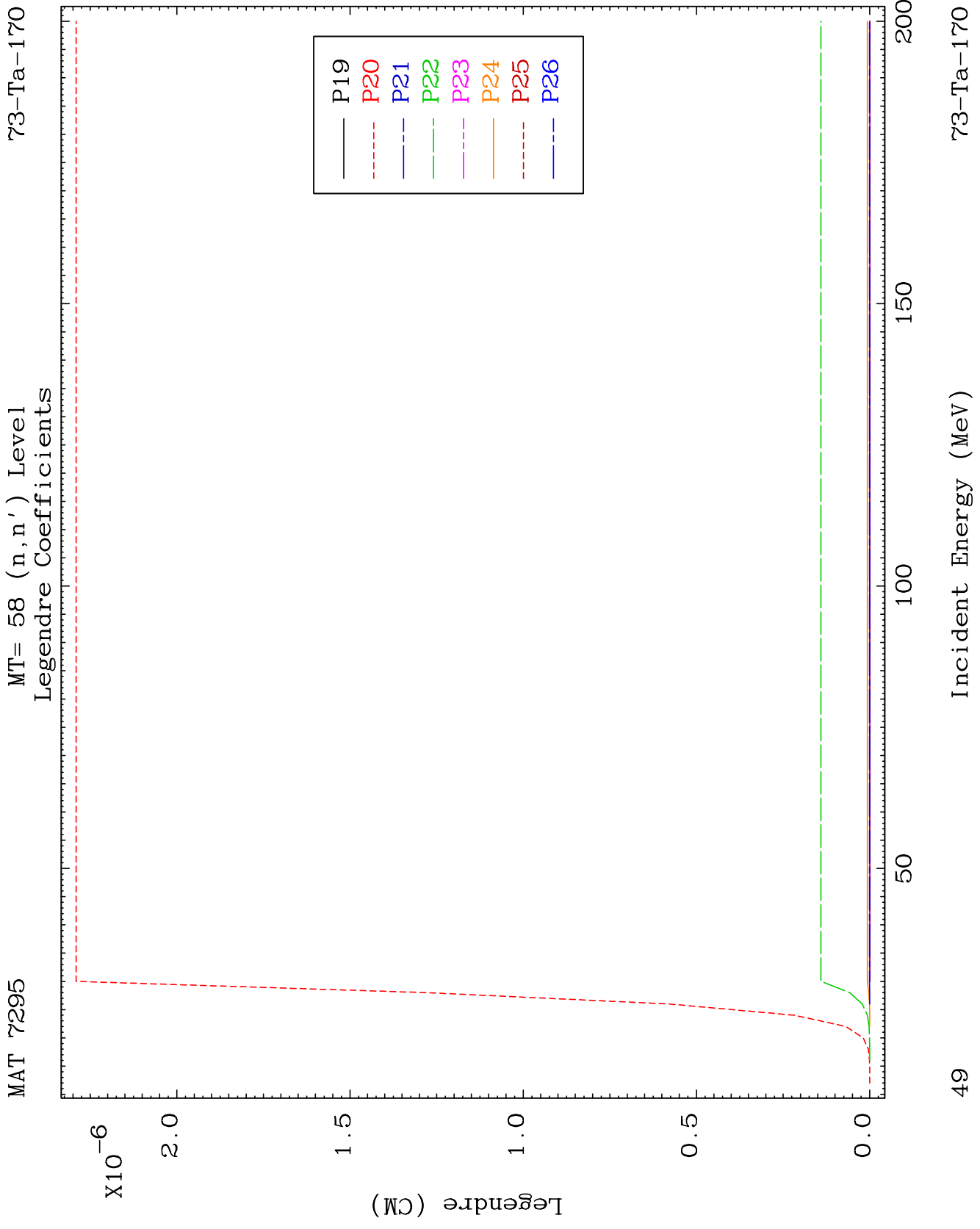
MAT 7295

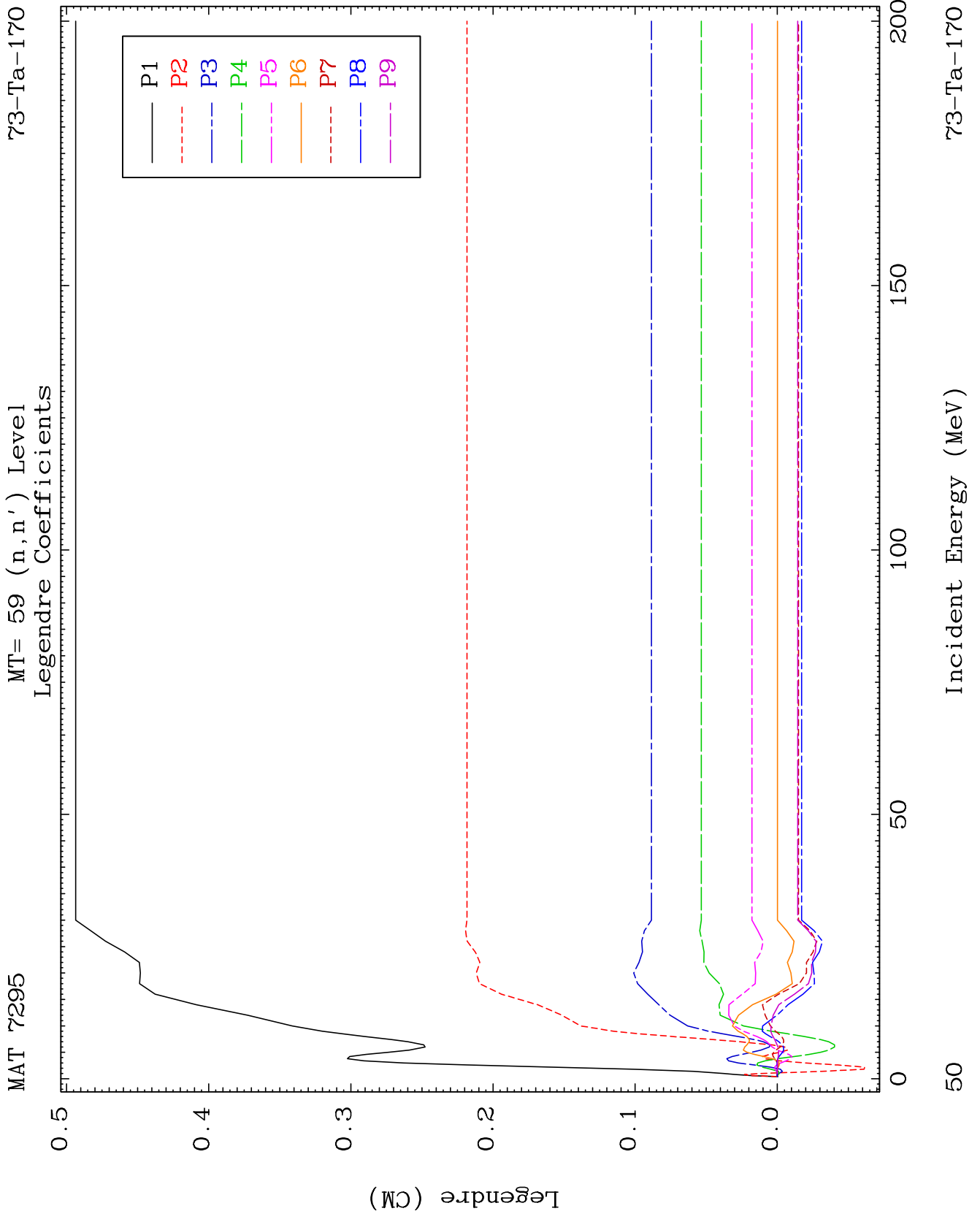
MT= 58 (n,n') Level
Legendre Coefficients

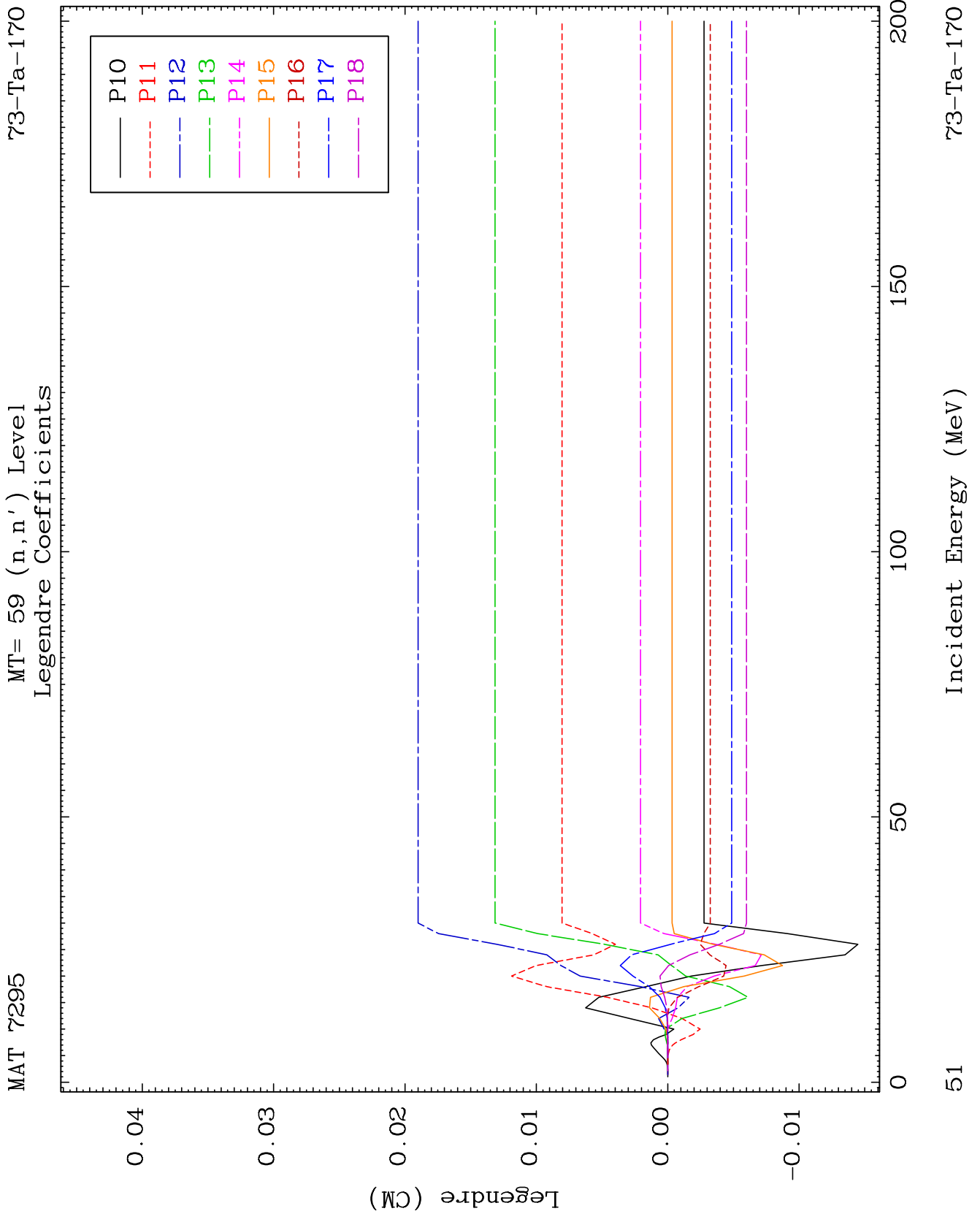
73-Ta-170

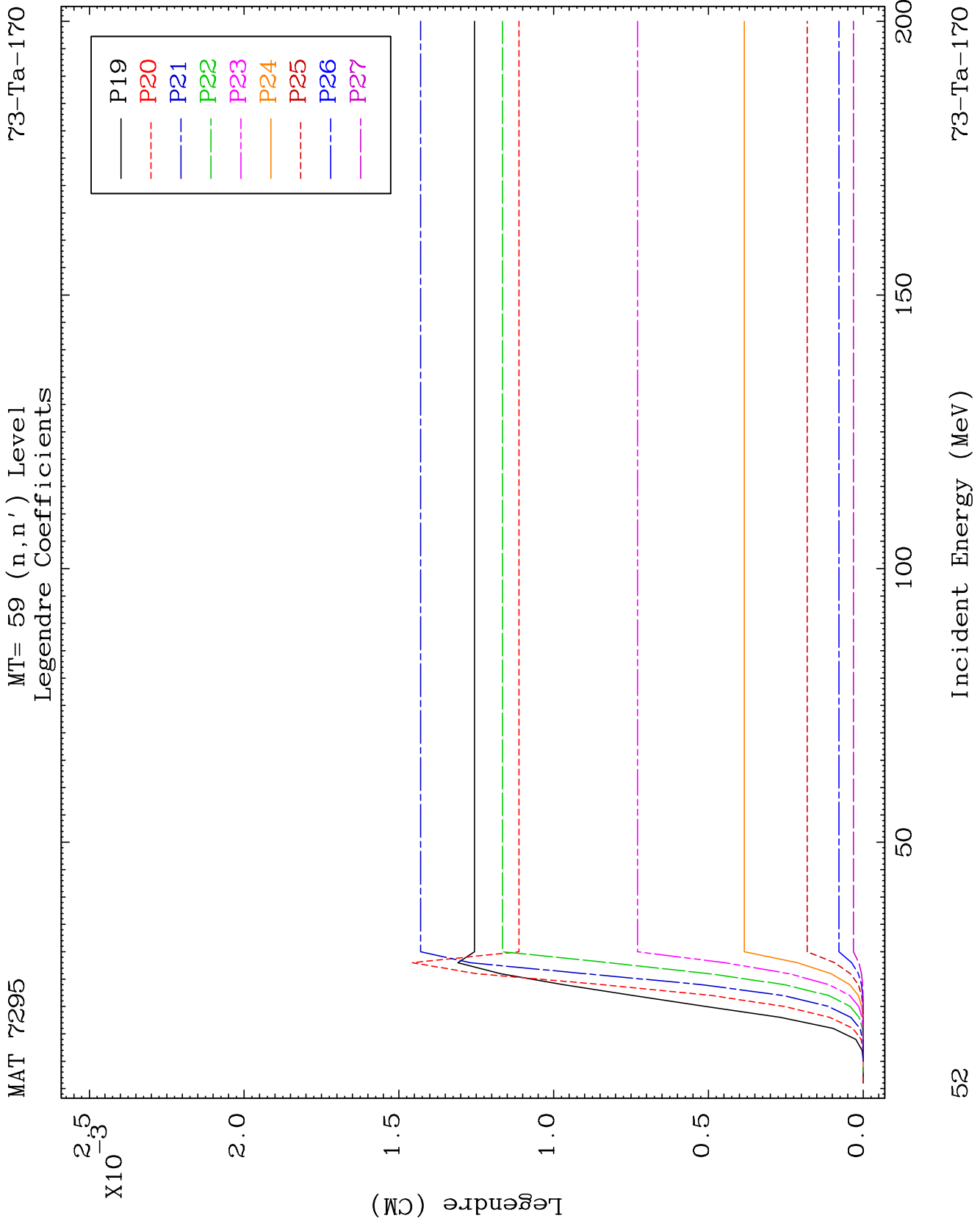


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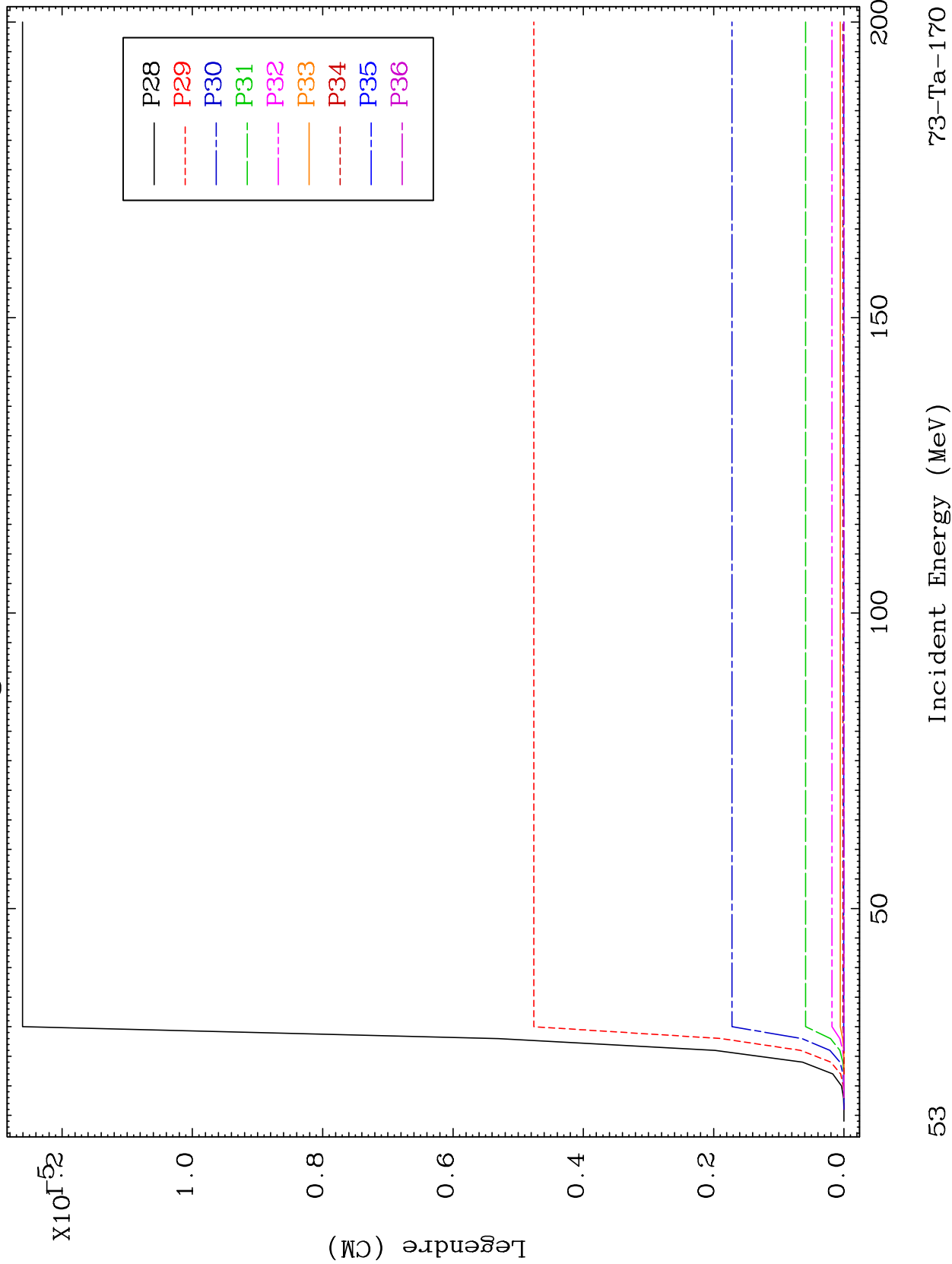




MAT 7295

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

73-Ta-170



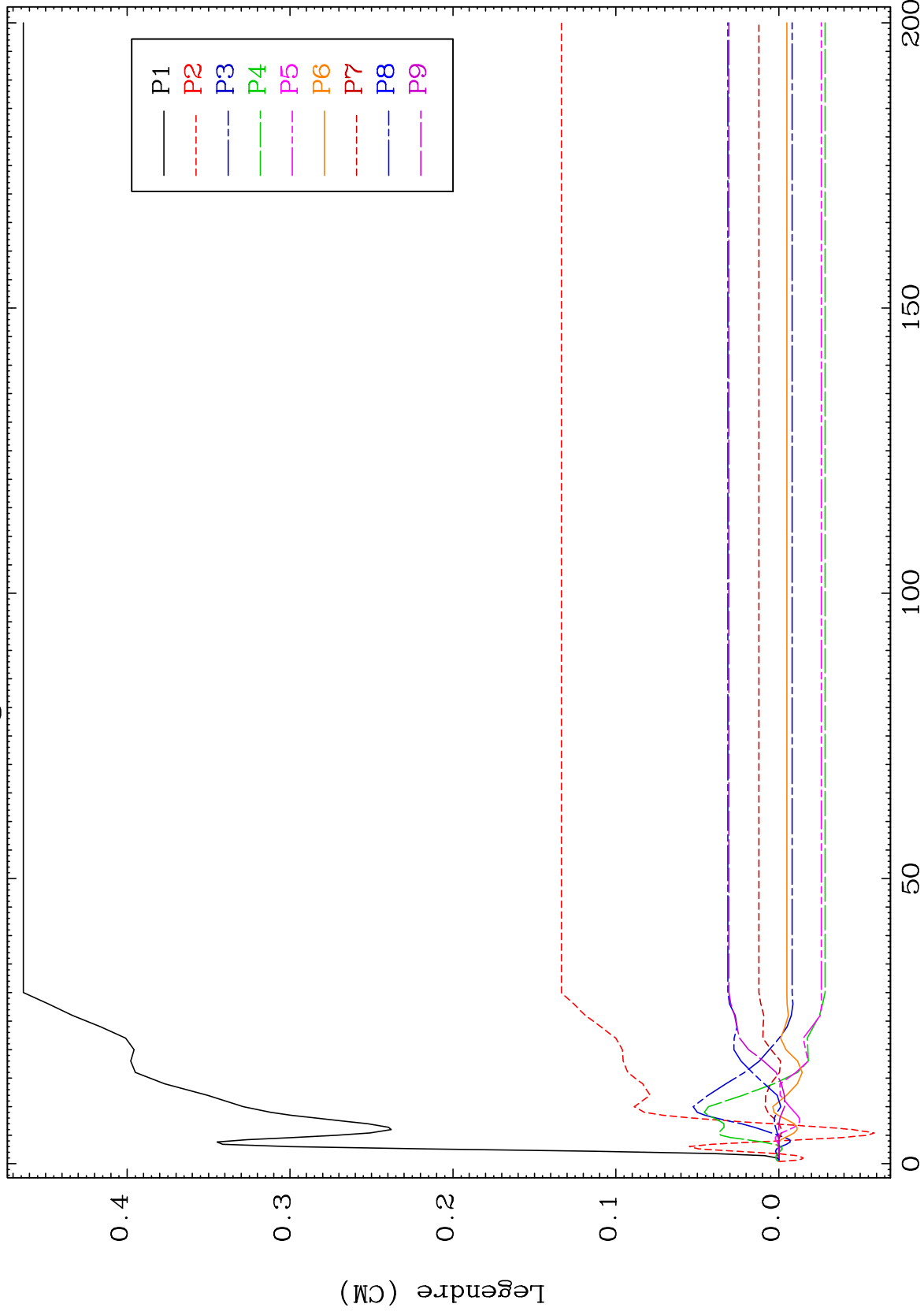
53

73-Ta-170

MAT 7295

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

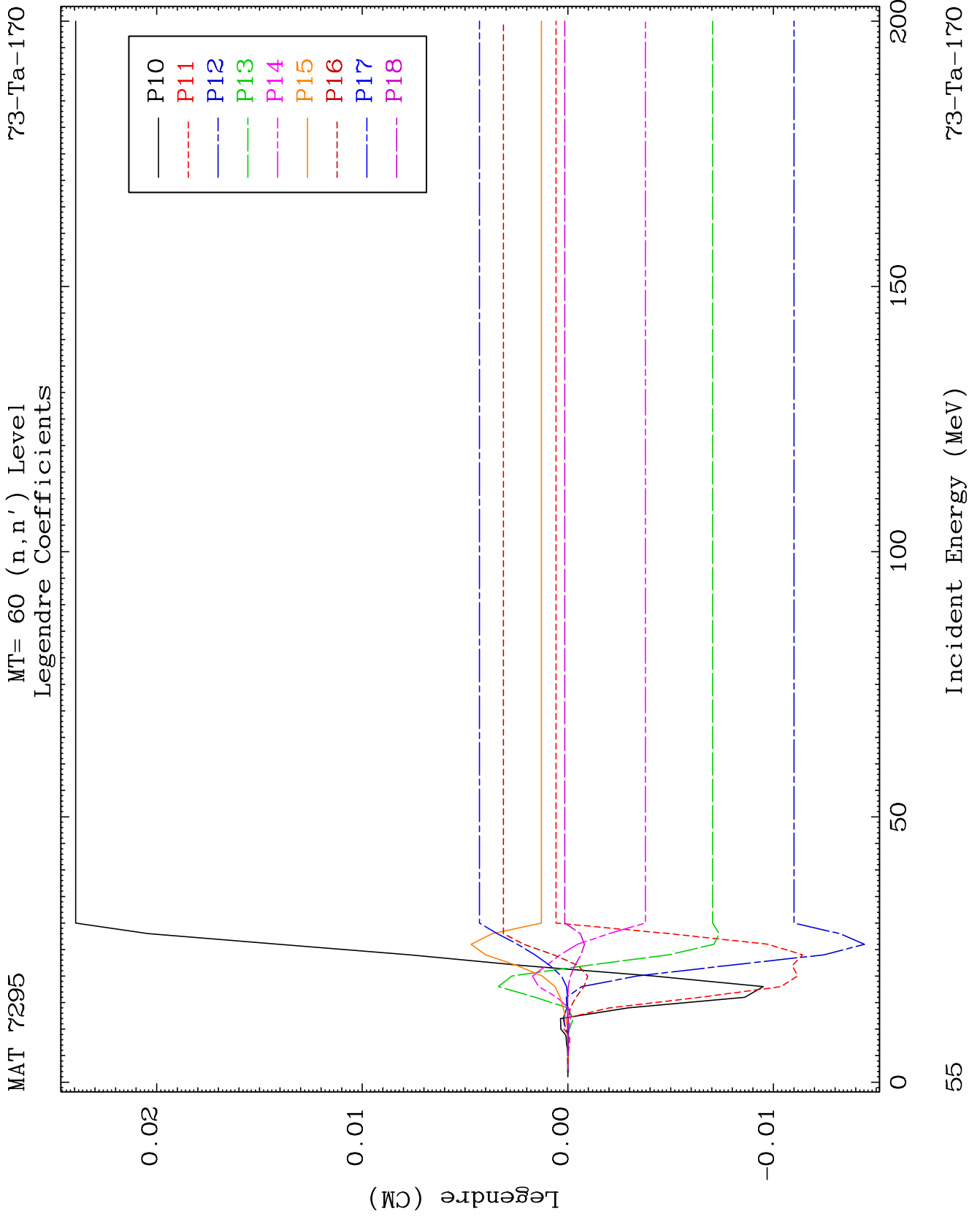
73-Ta-170



54

Incident Energy (MeV)

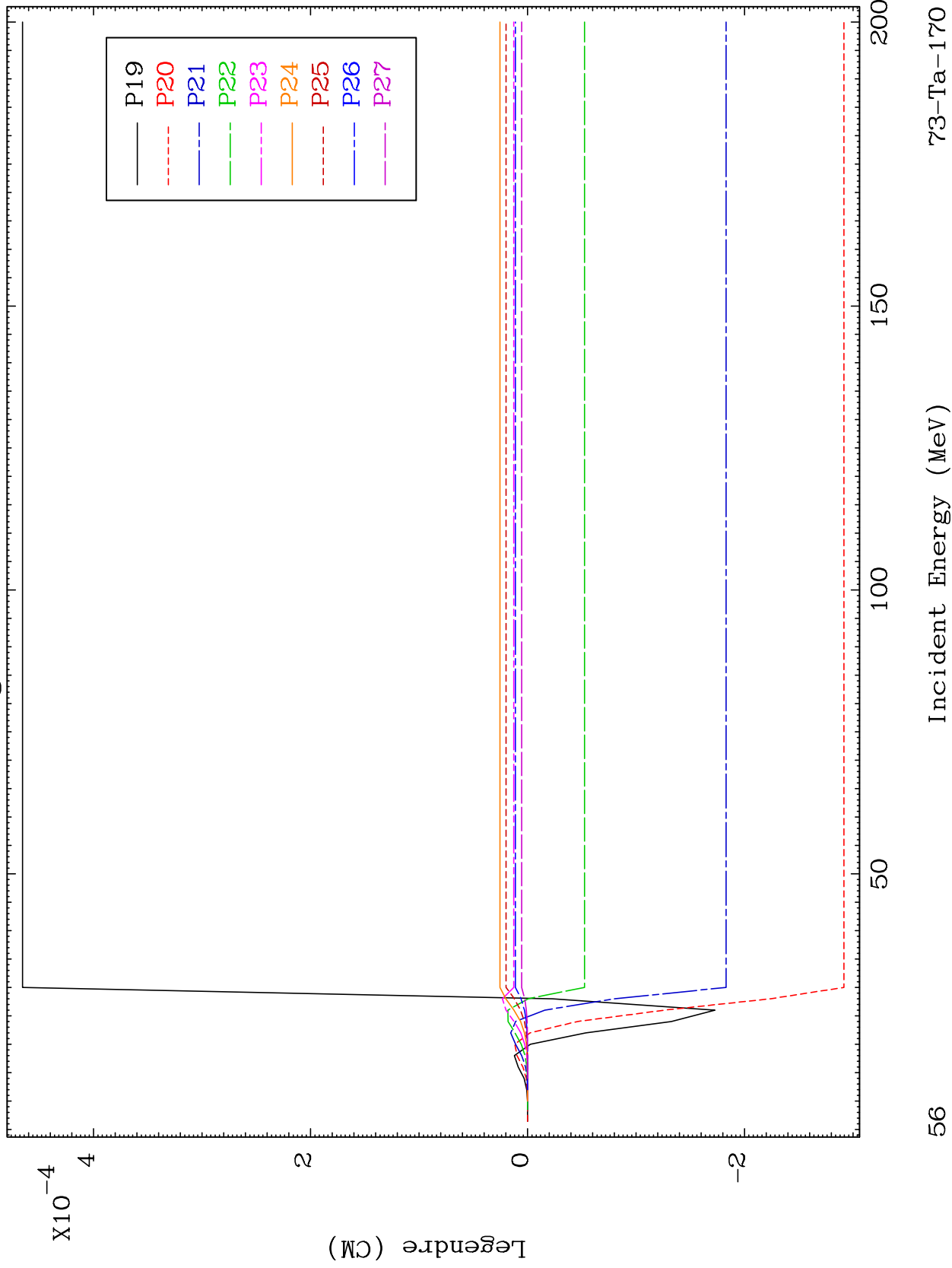
73-Ta-170



MAT 7295

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

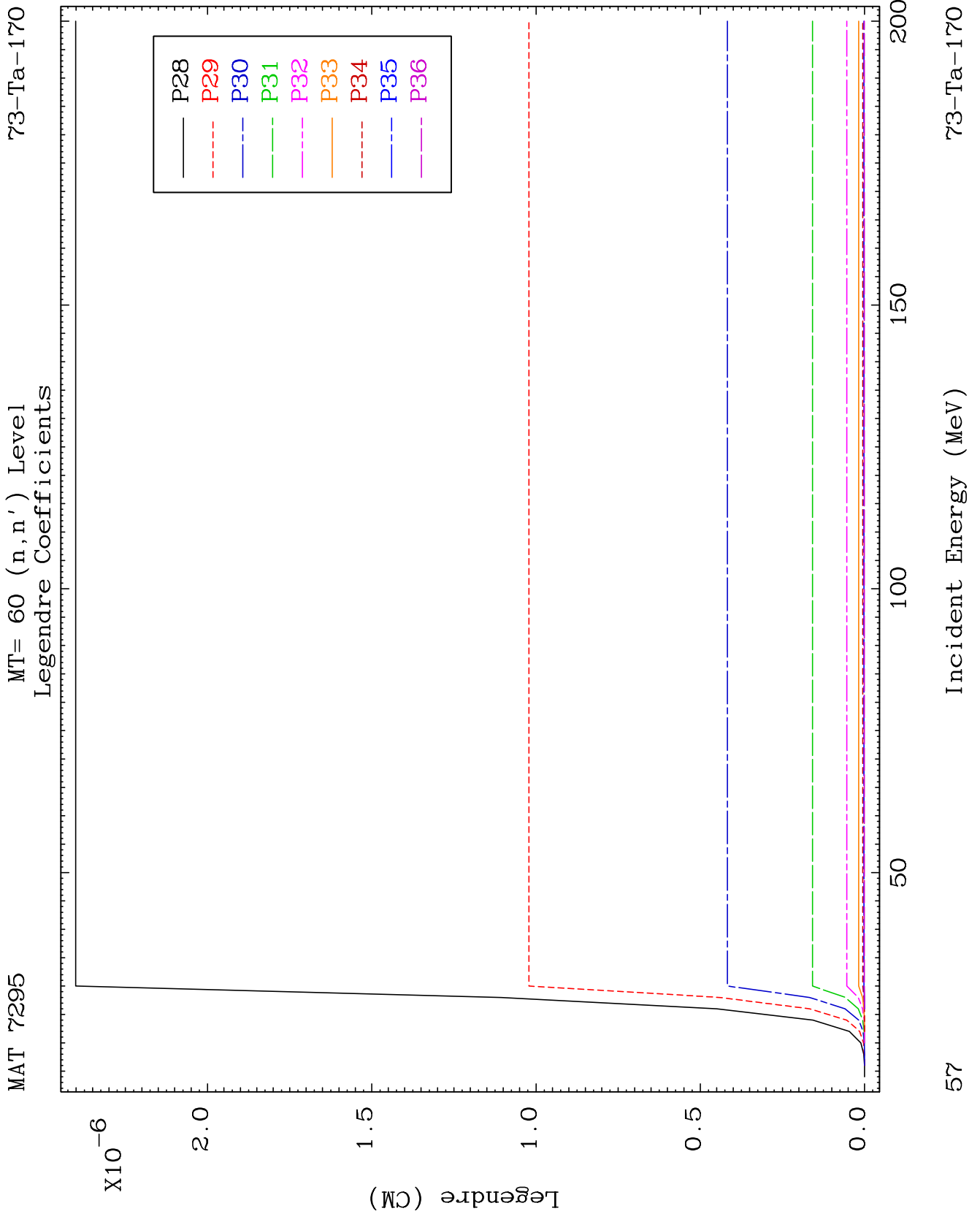
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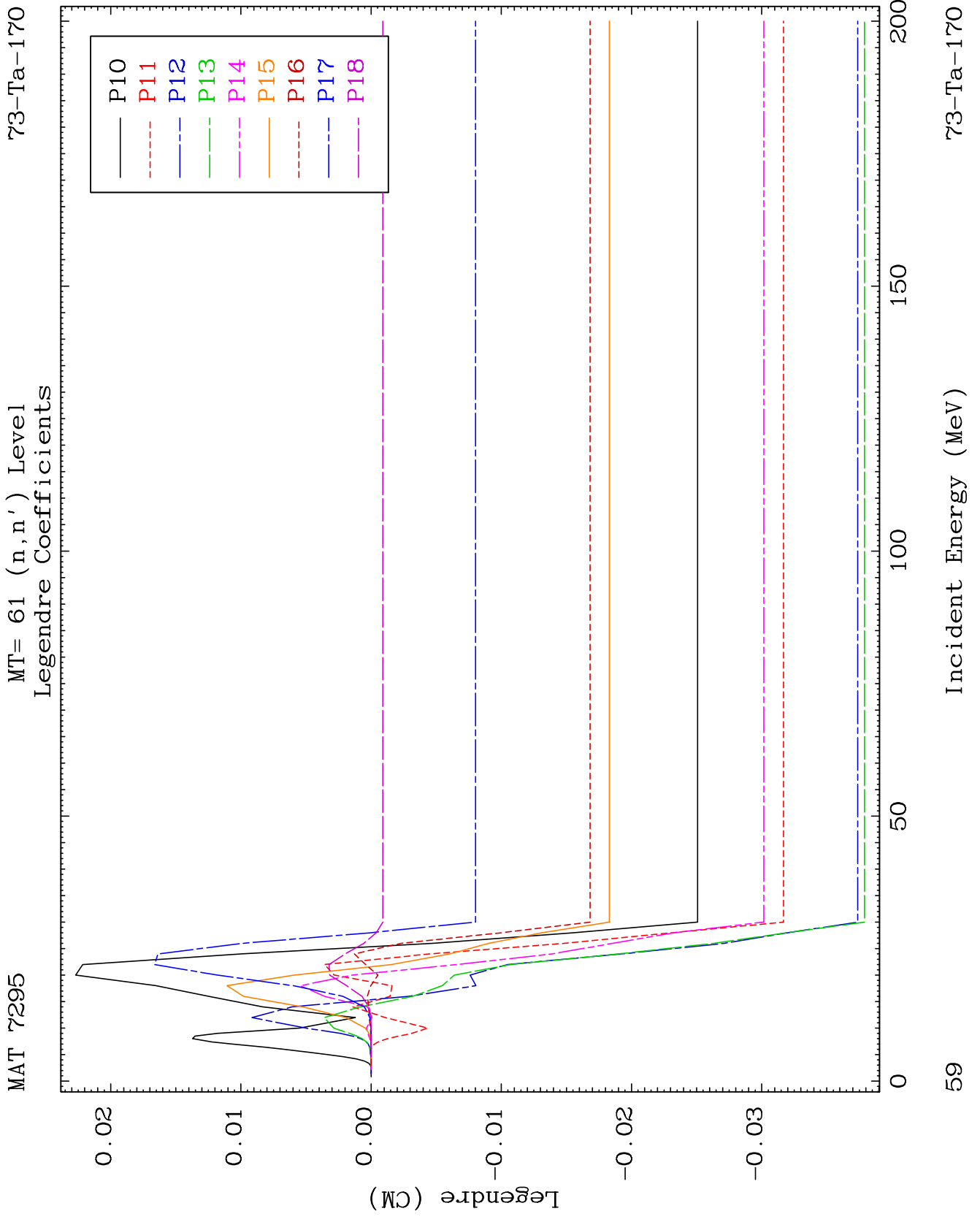


56

Incident Energy (MeV)

73-Ta-170

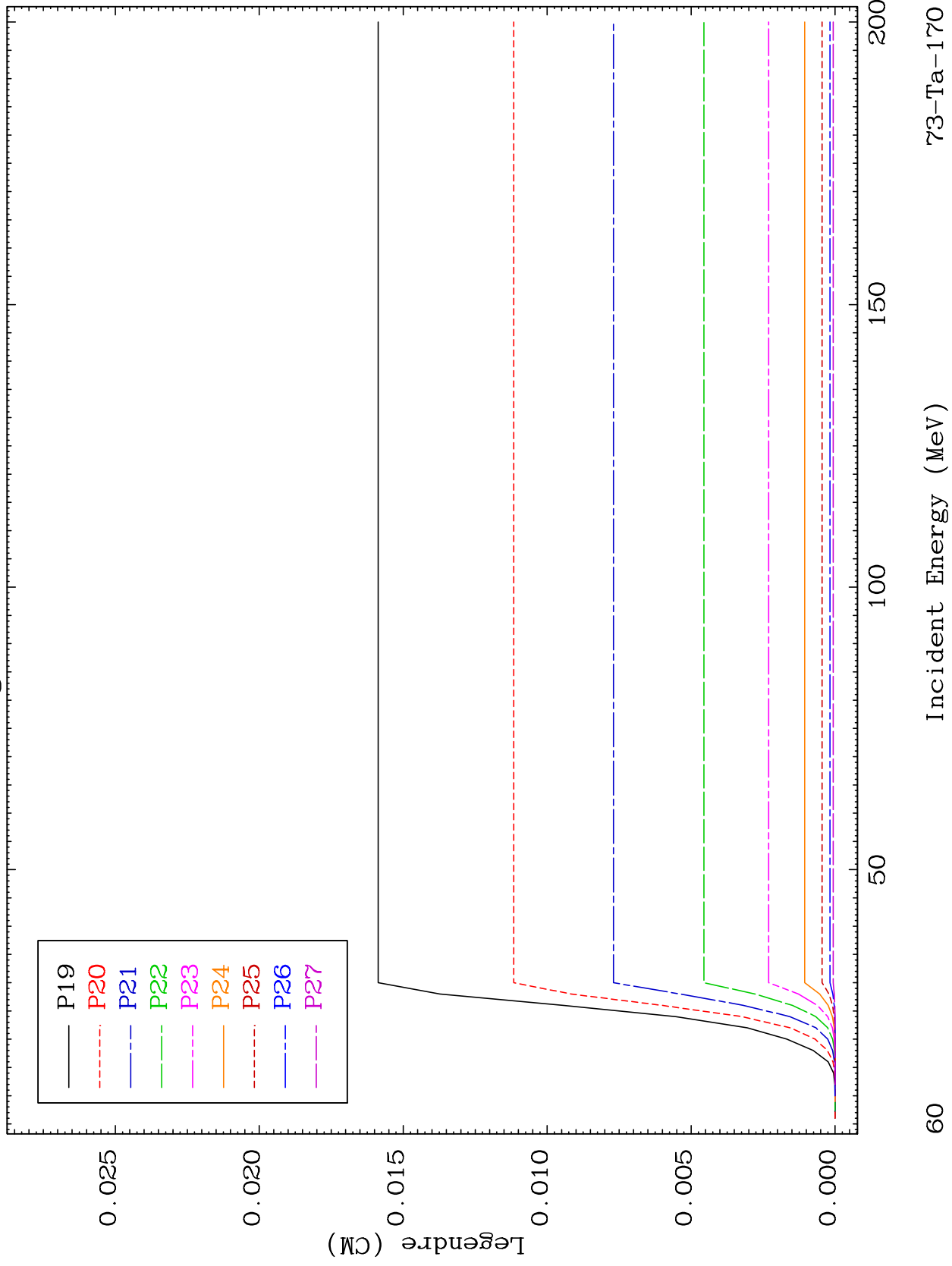




MAT 7295

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

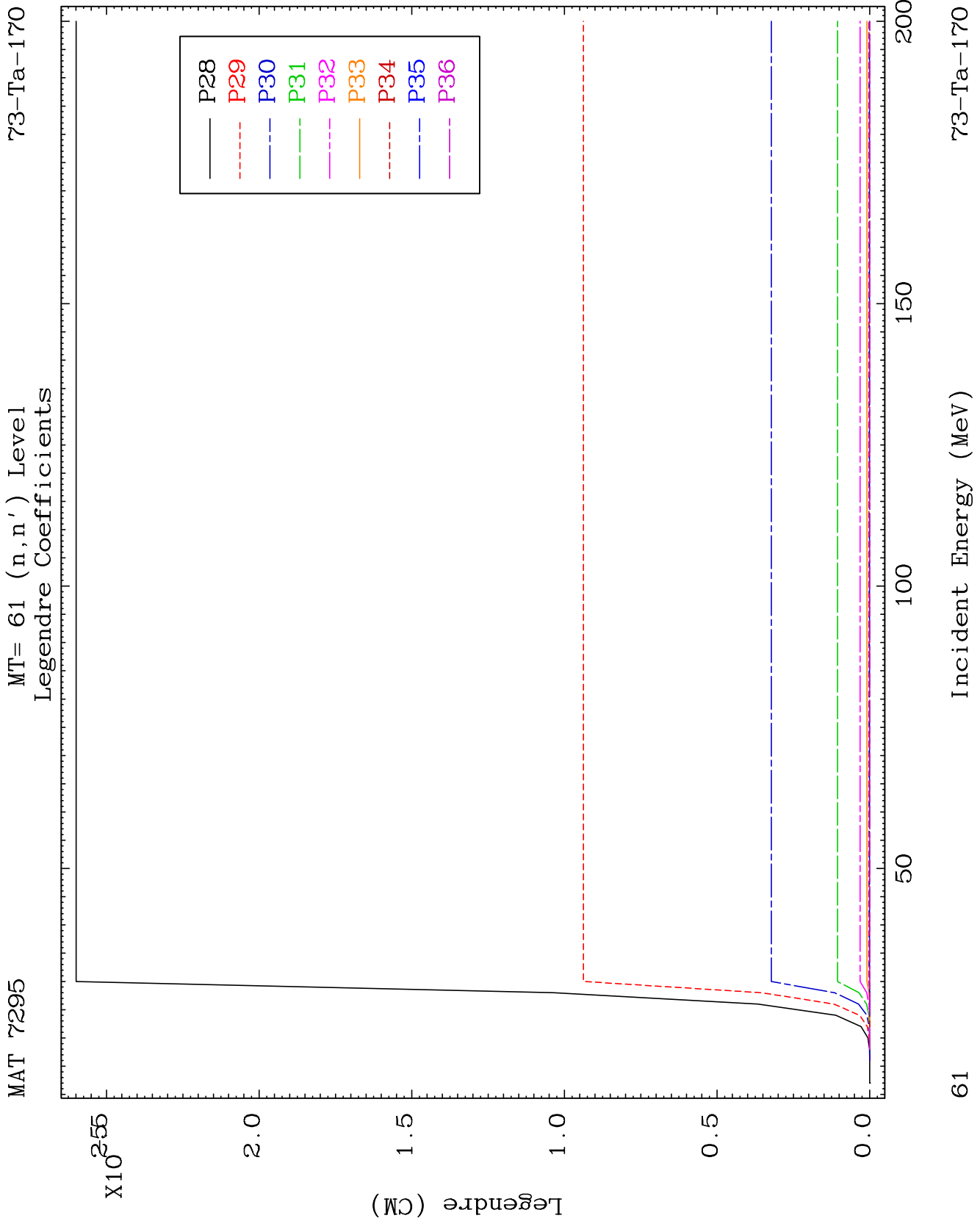
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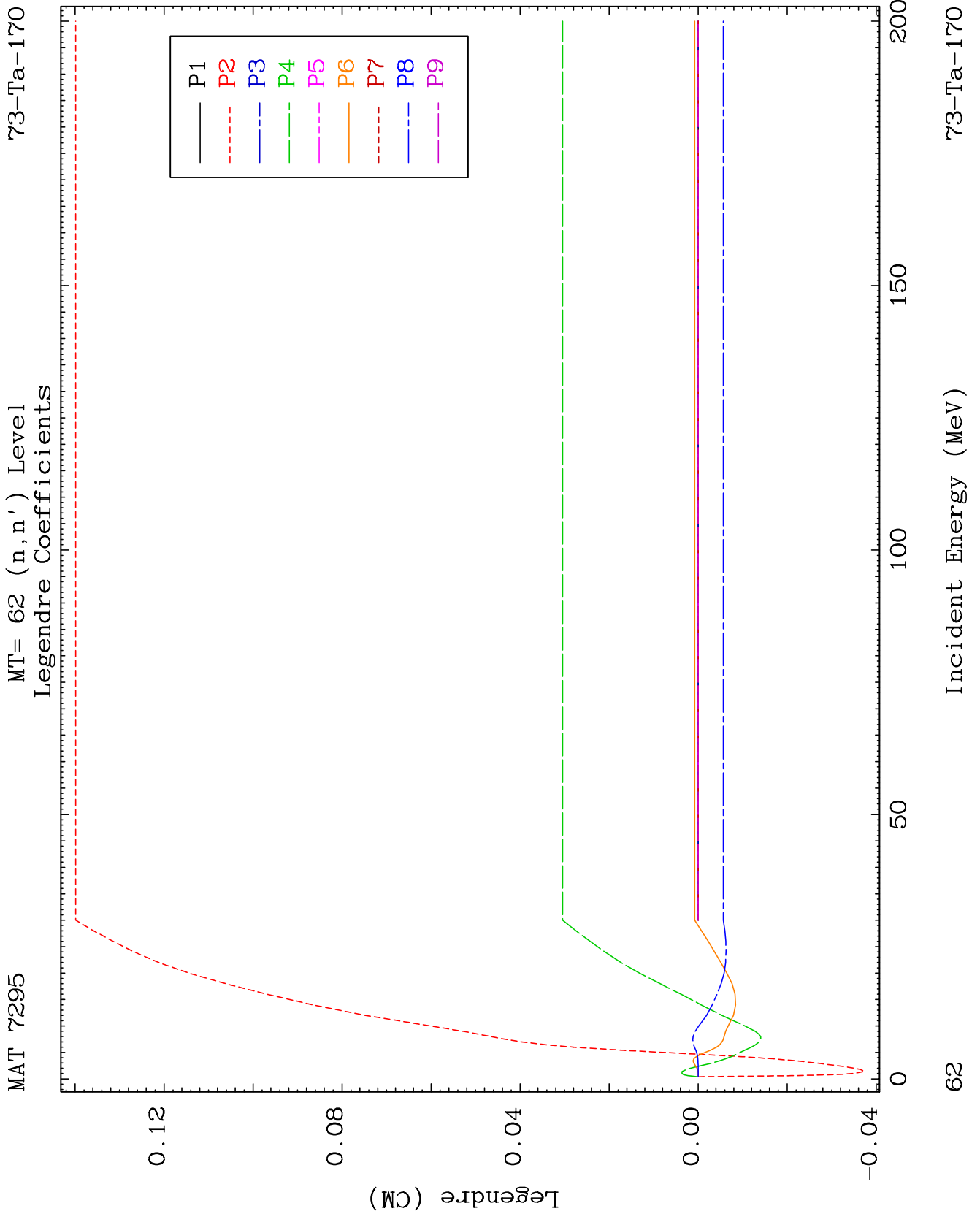


73-Ta-170

Incident Energy (MeV)

60

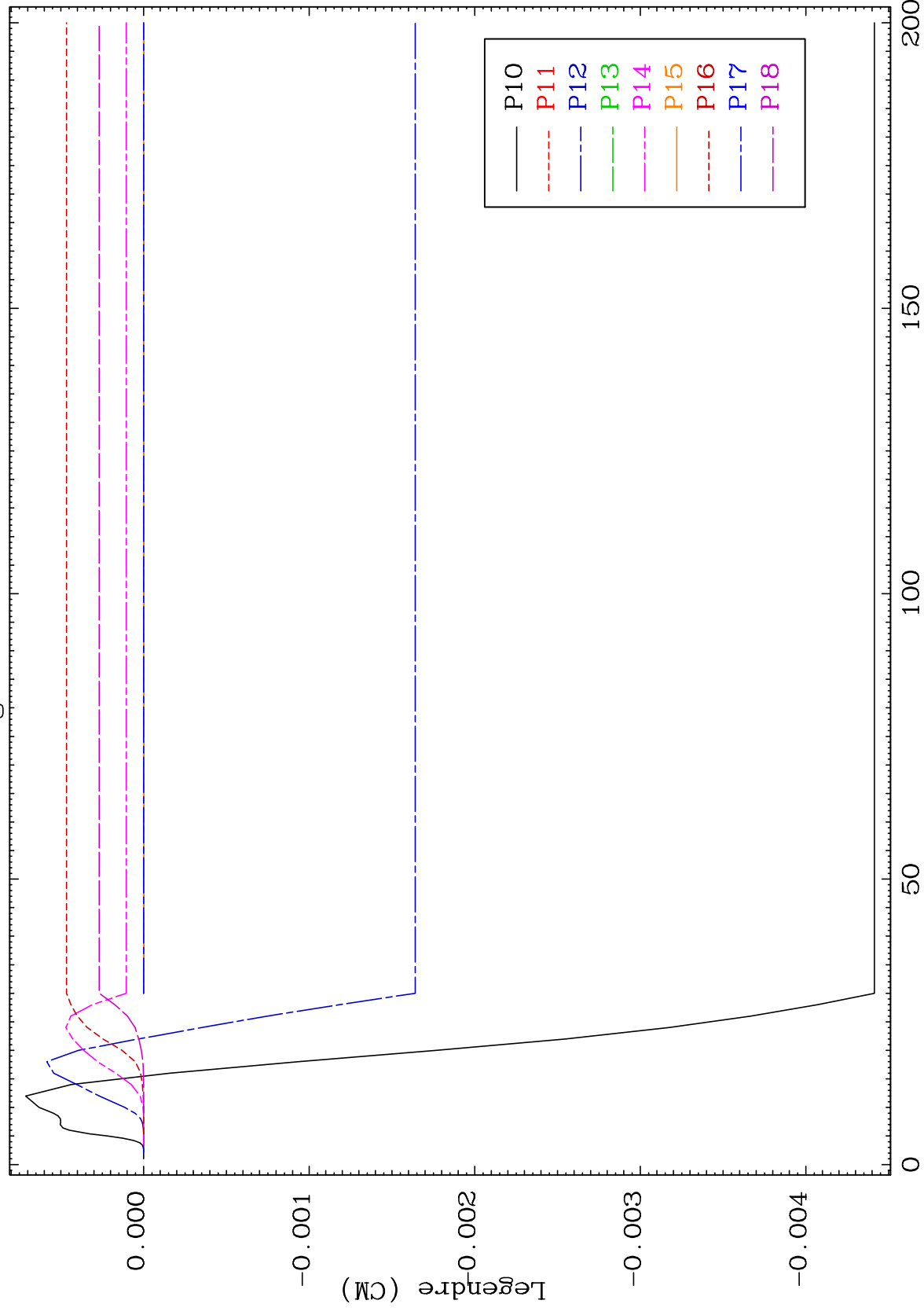




MAT 7295

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

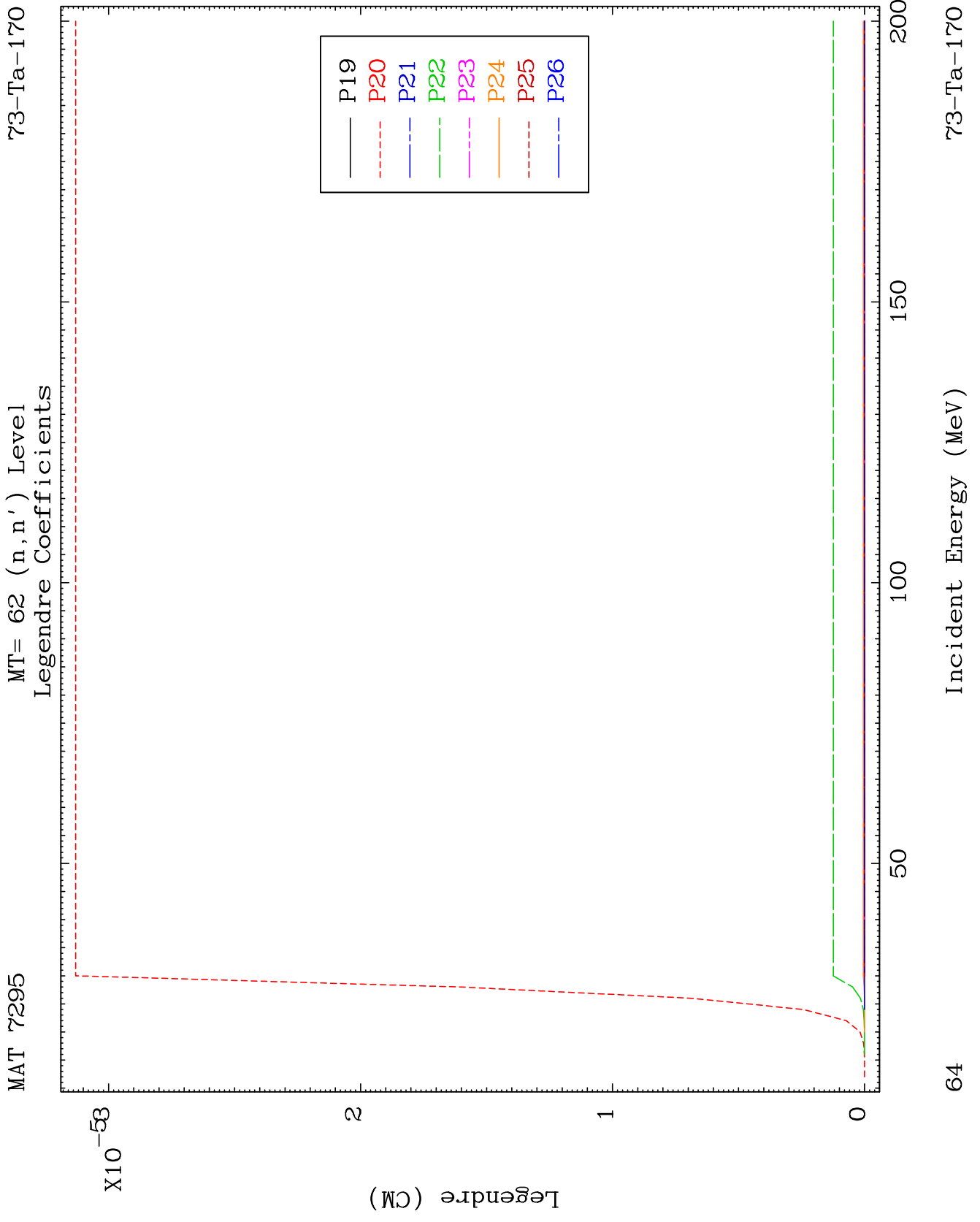
73-Ta-170

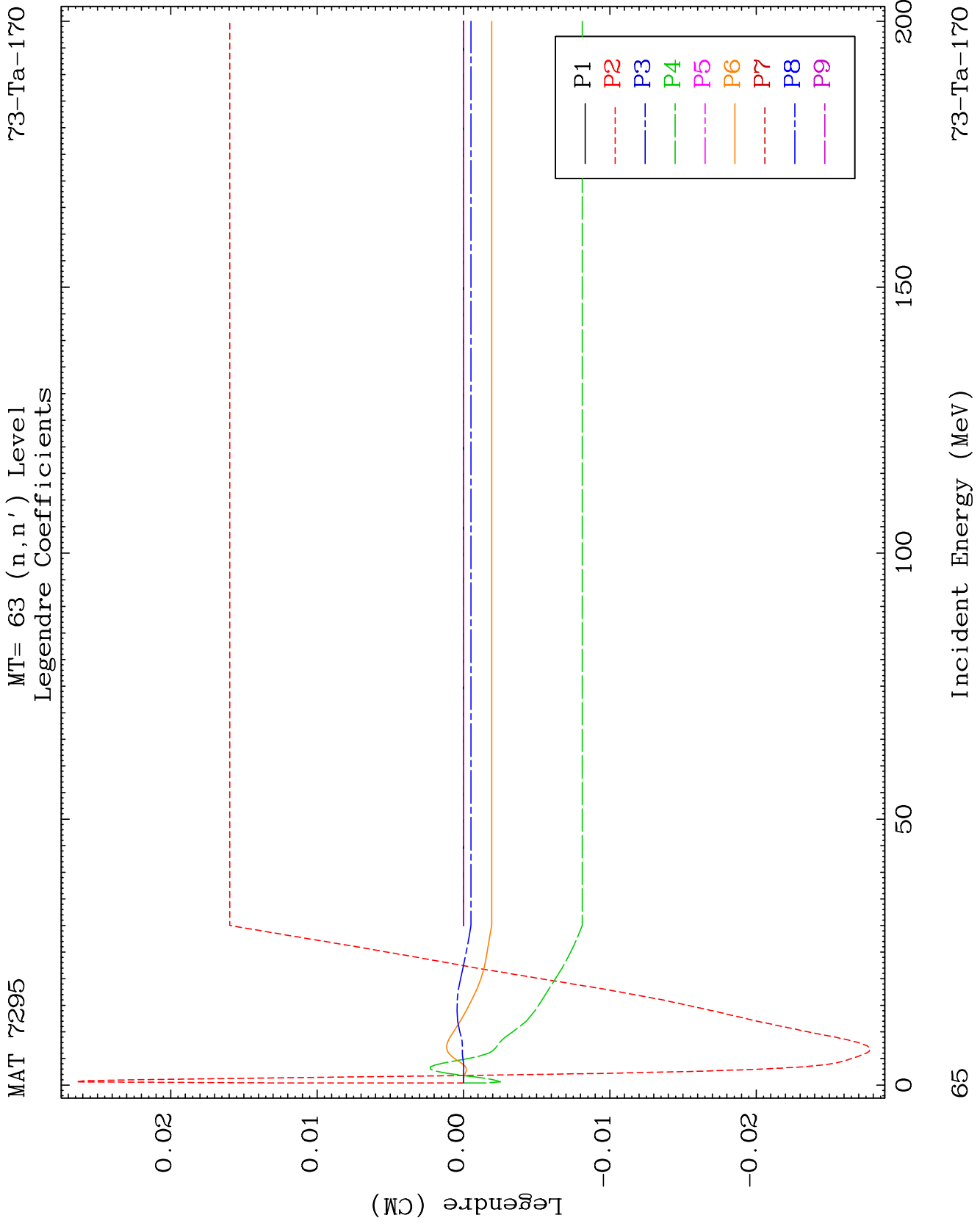


63

Incident Energy (MeV)

73-Ta-170

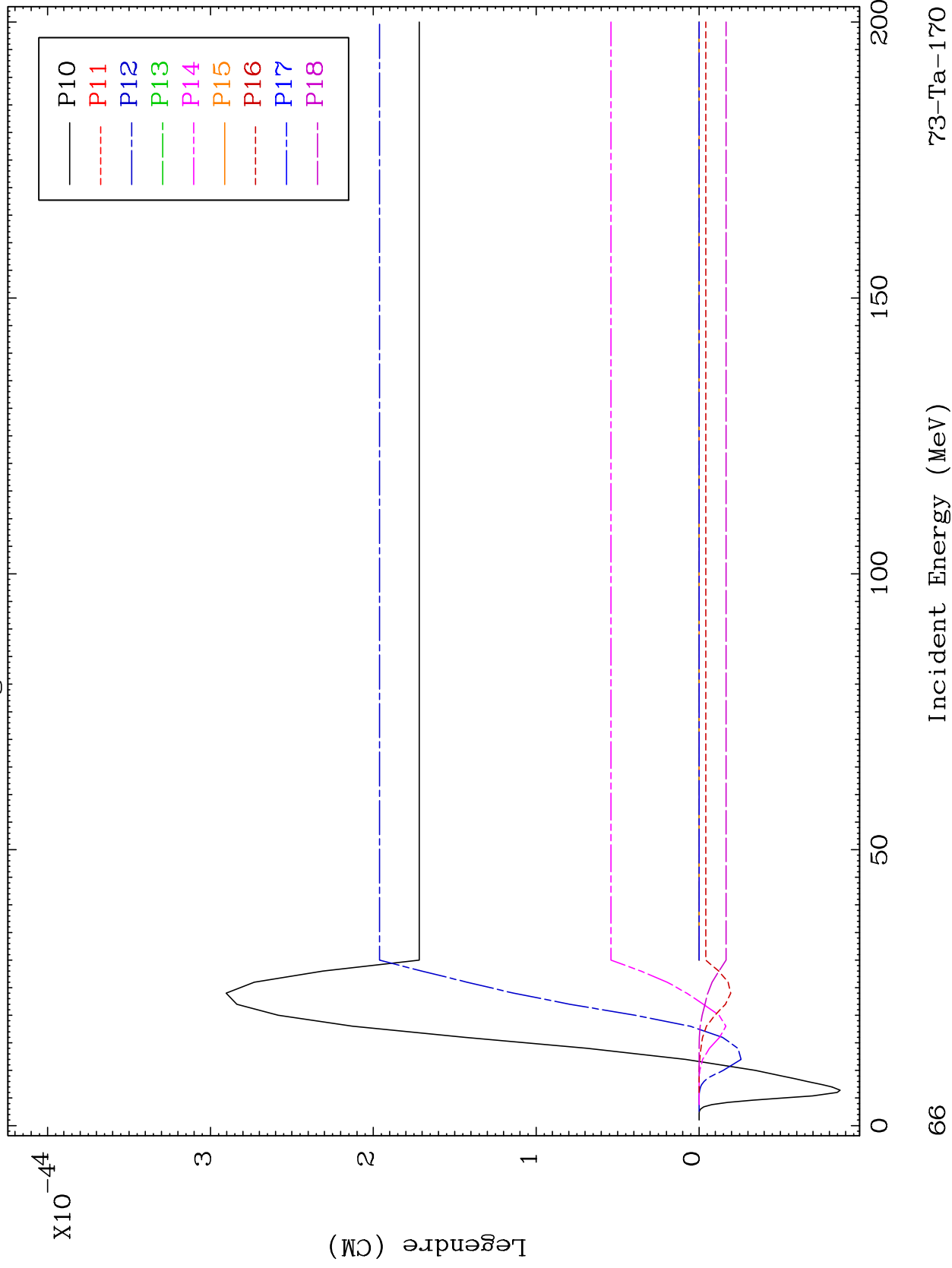


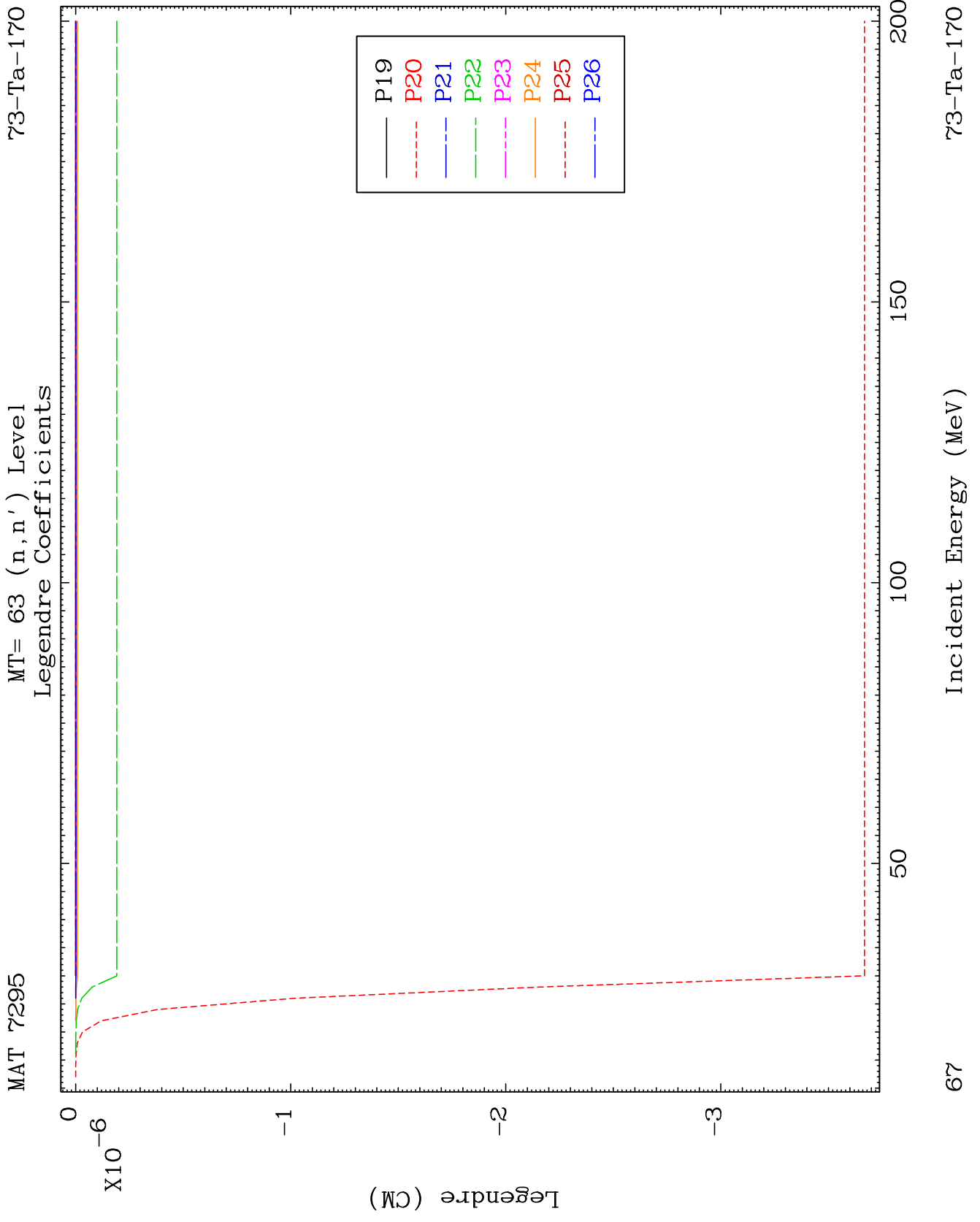


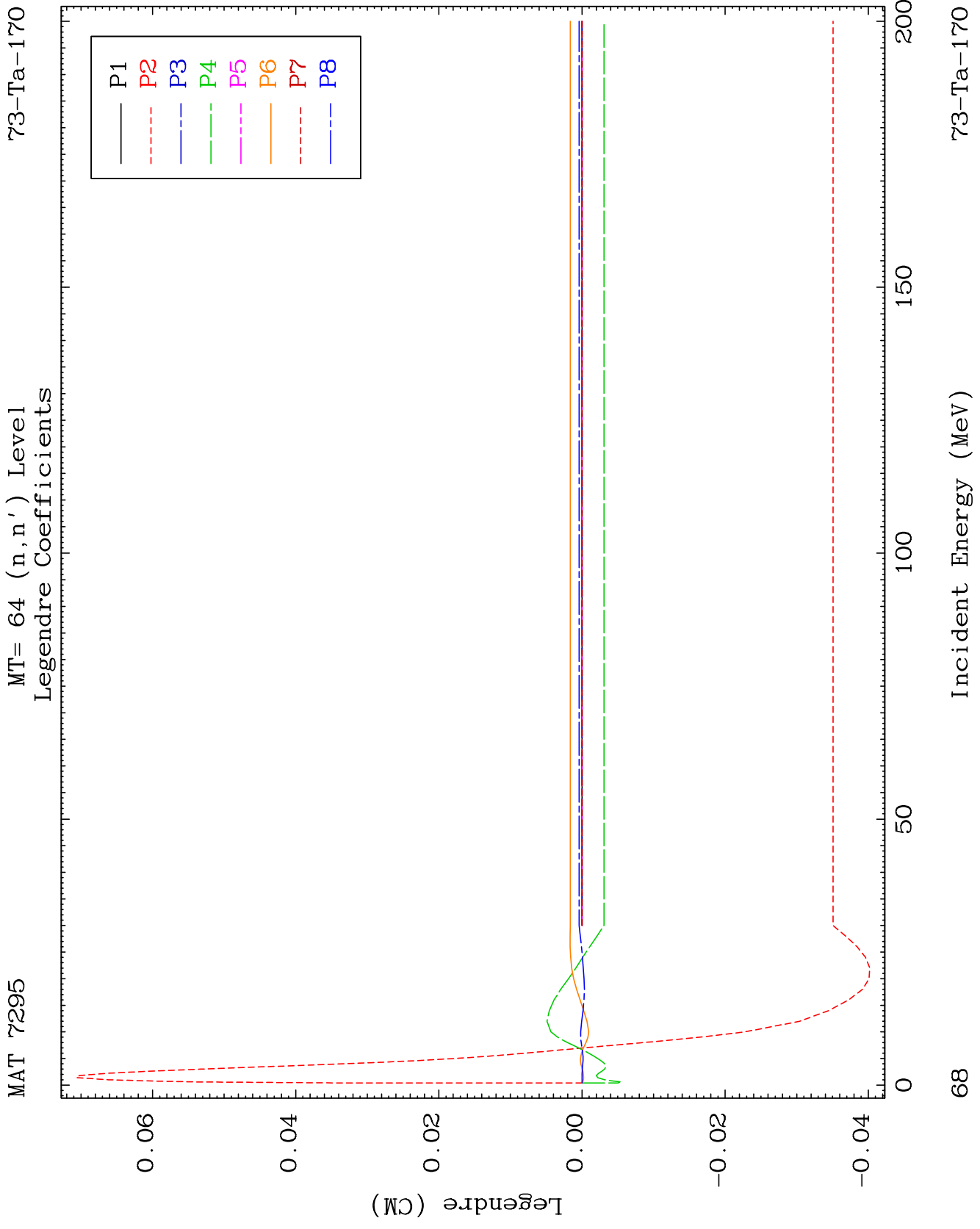
MAT 7295

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

73-Ta-170



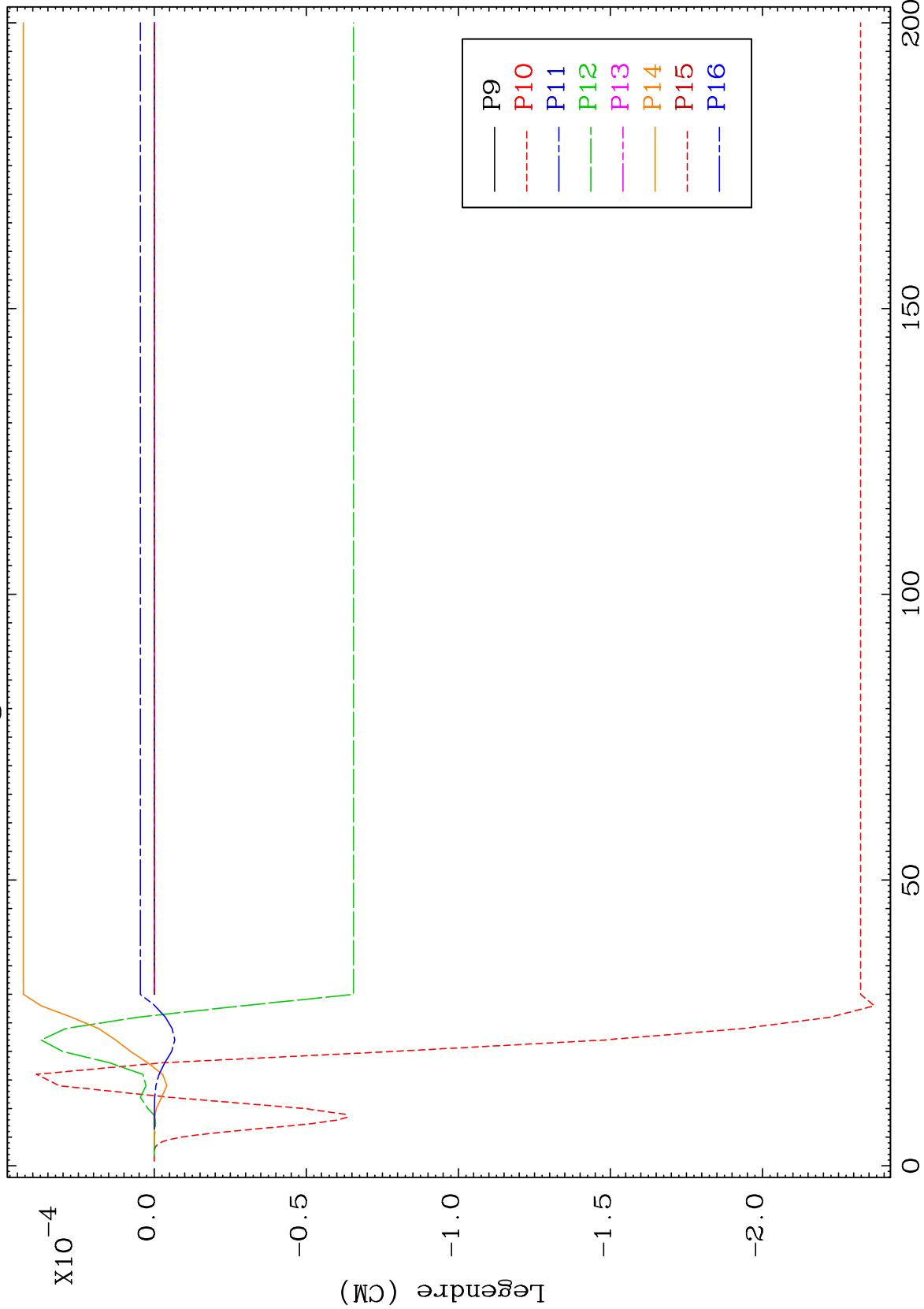




MAT 7295

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

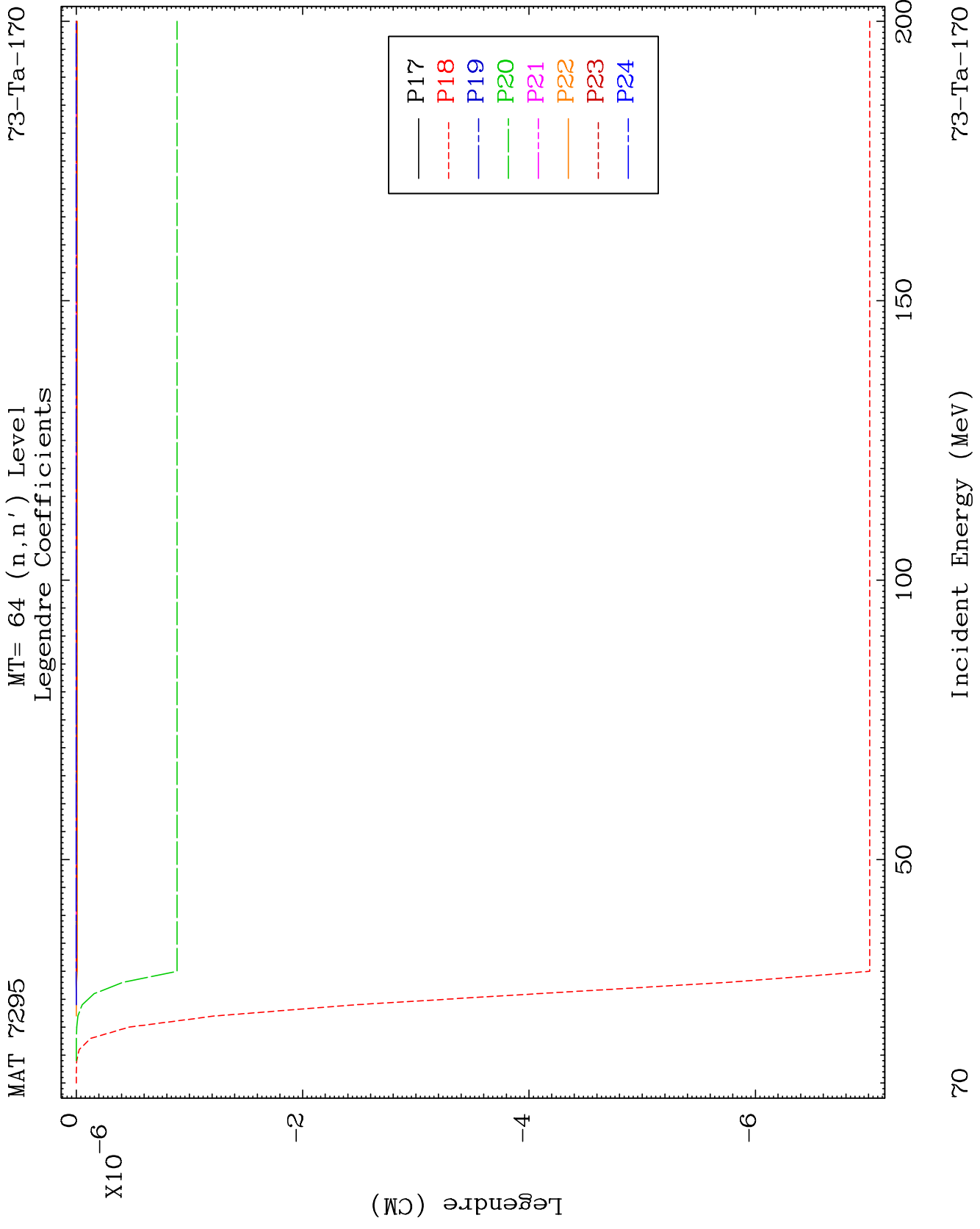
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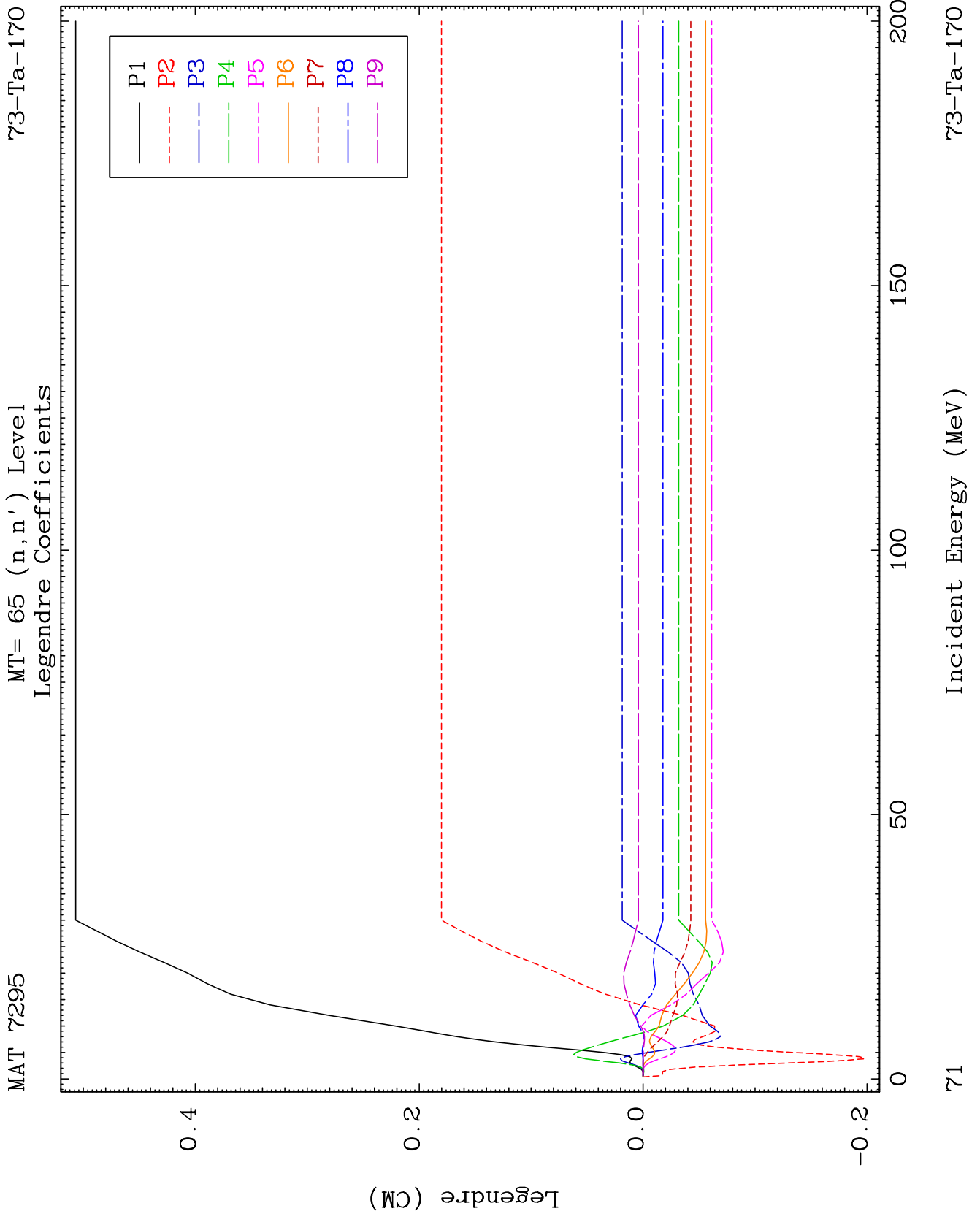


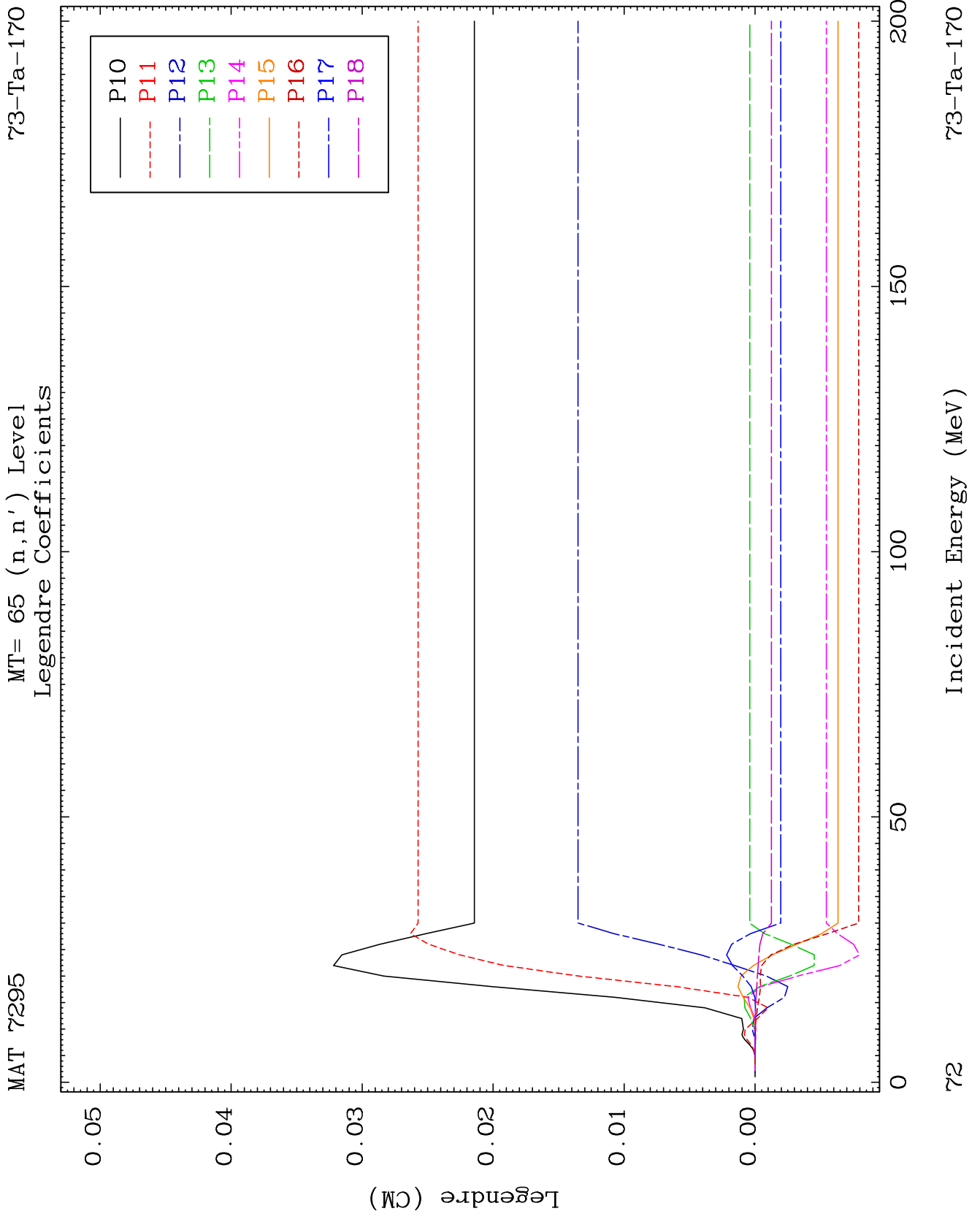
69

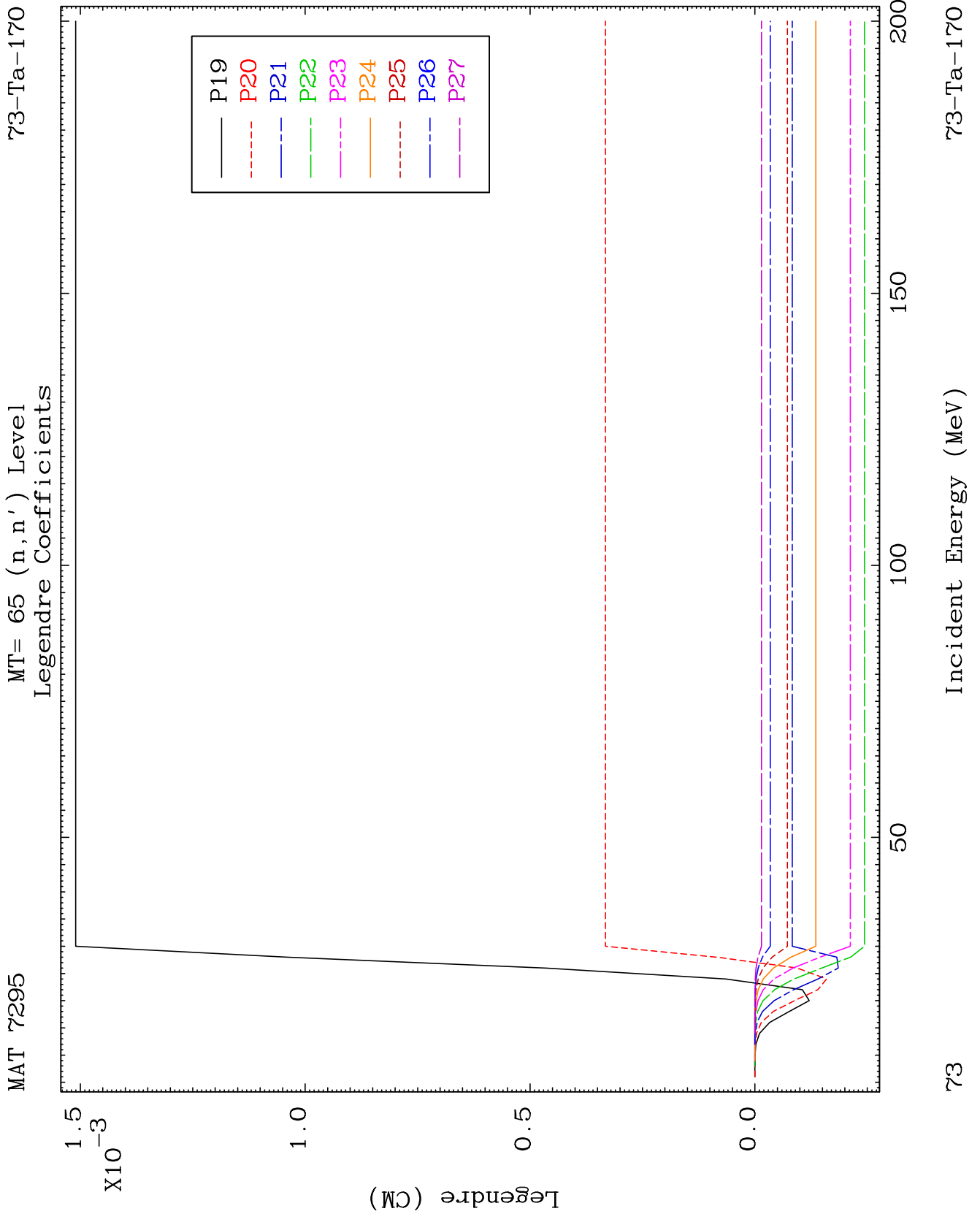
Incident Energy (MeV)

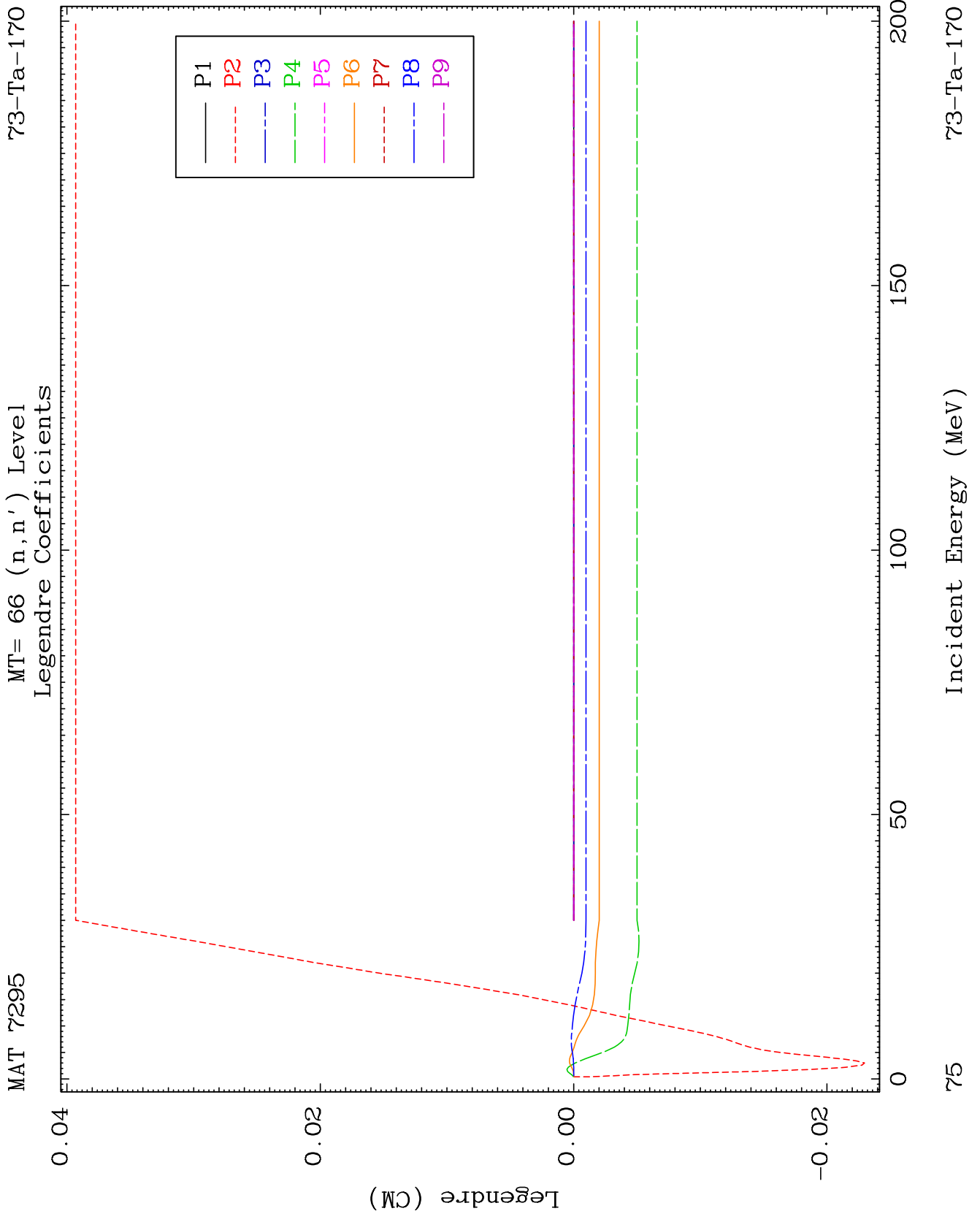
73-Ta-170







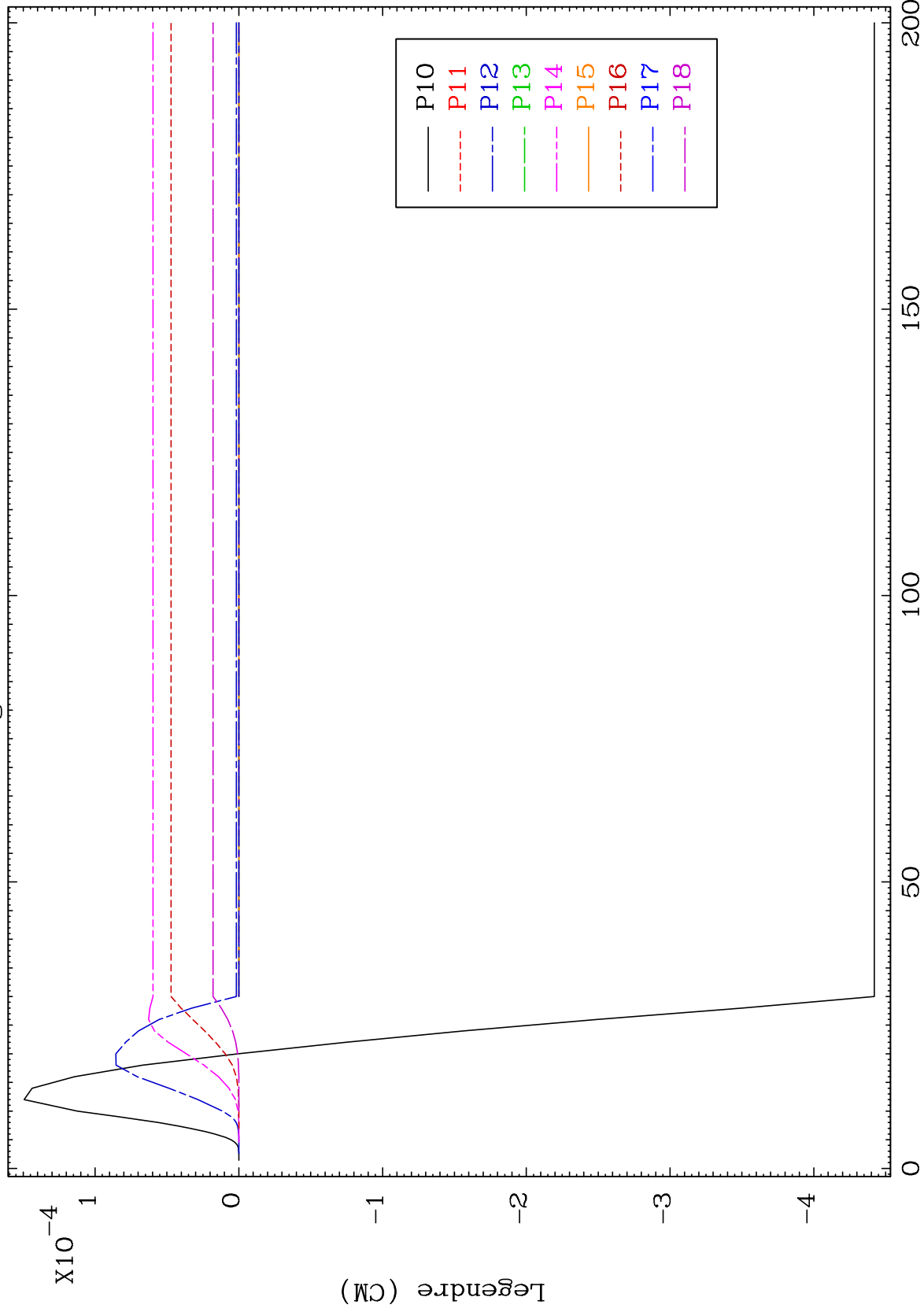




MAT 7295

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

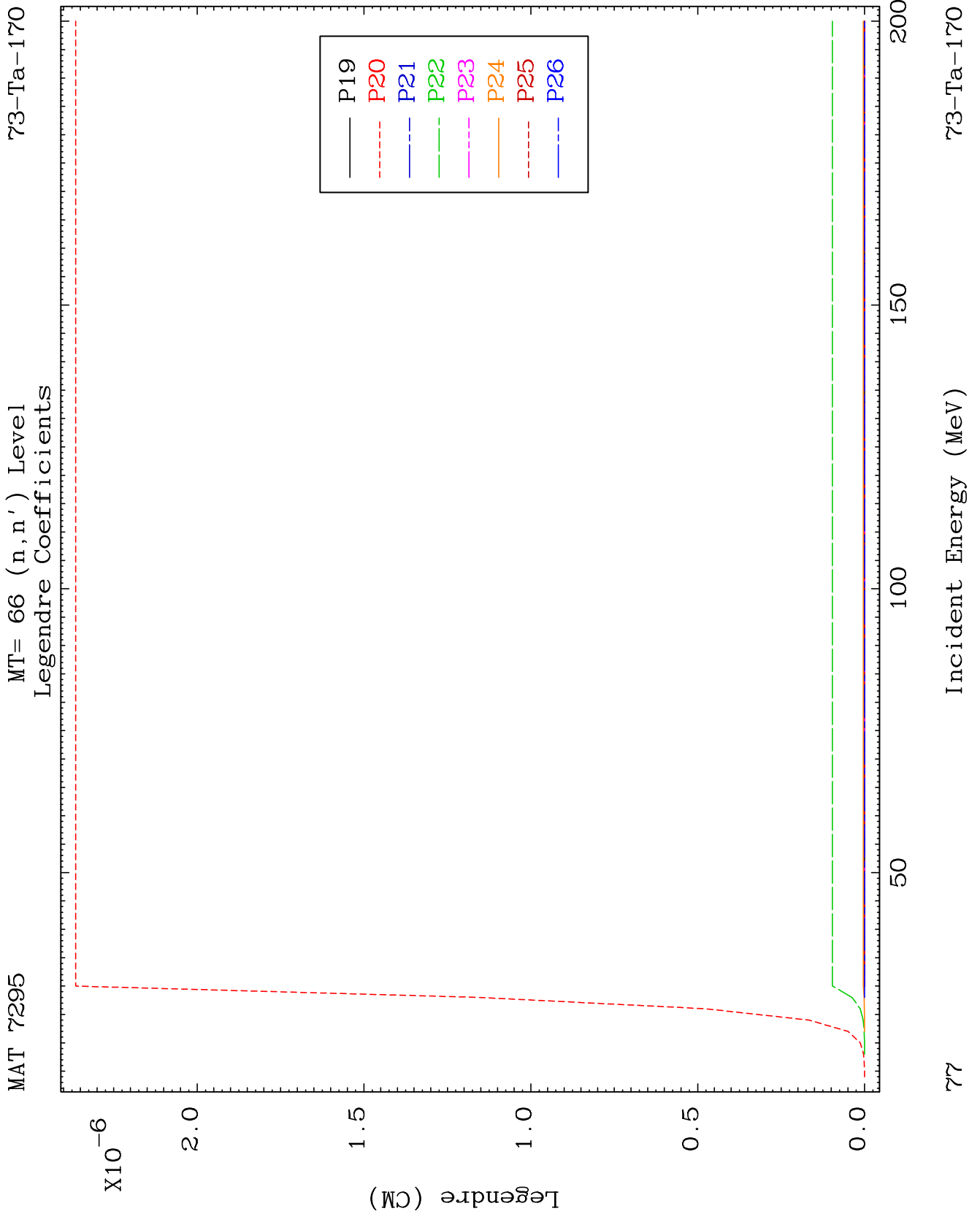
73-Ta-170



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Incident Energy (MeV)

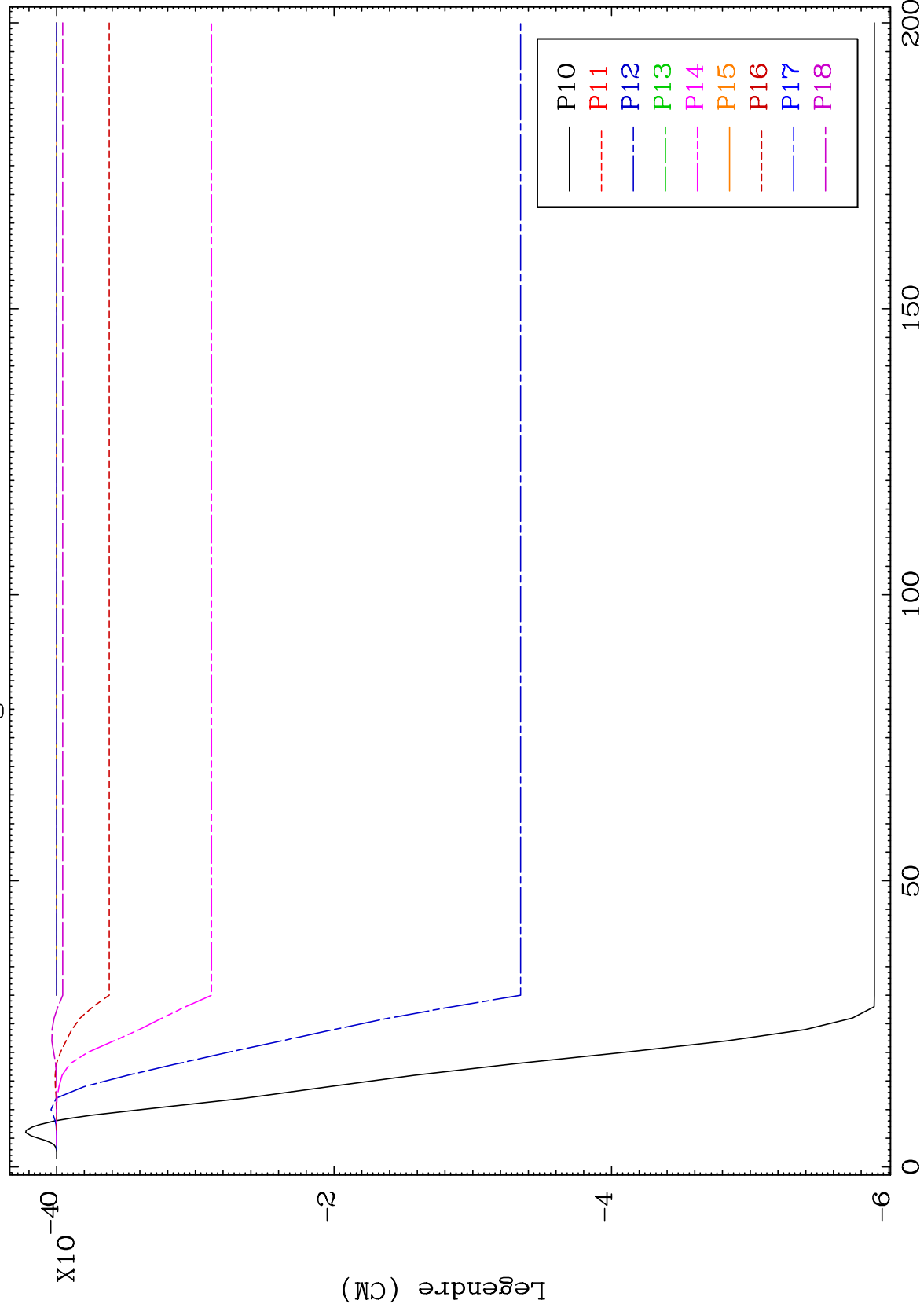
73-Ta-170



MAT 7295

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

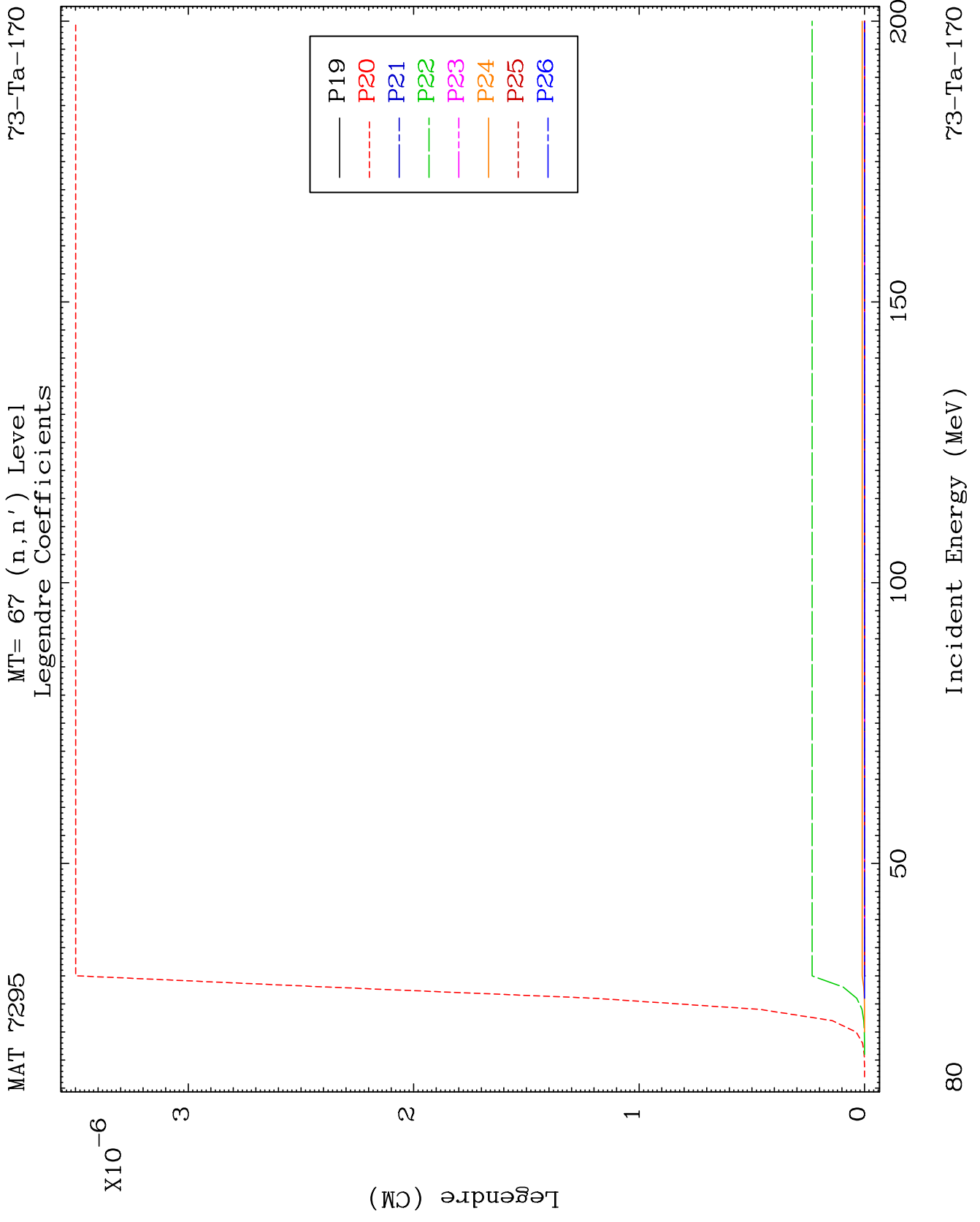
73-Ta-170



79

Incident Energy (MeV)

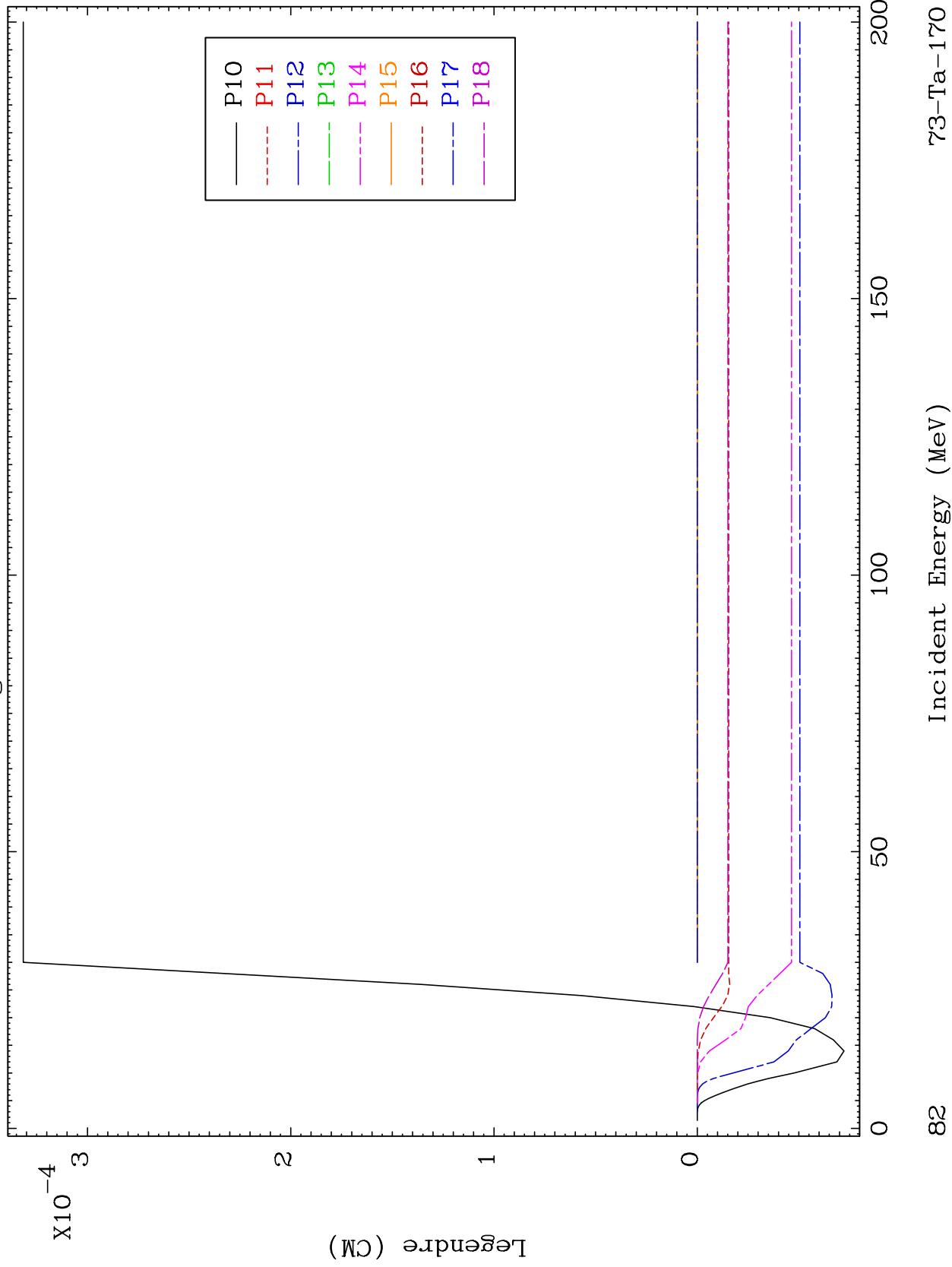
73-Ta-170

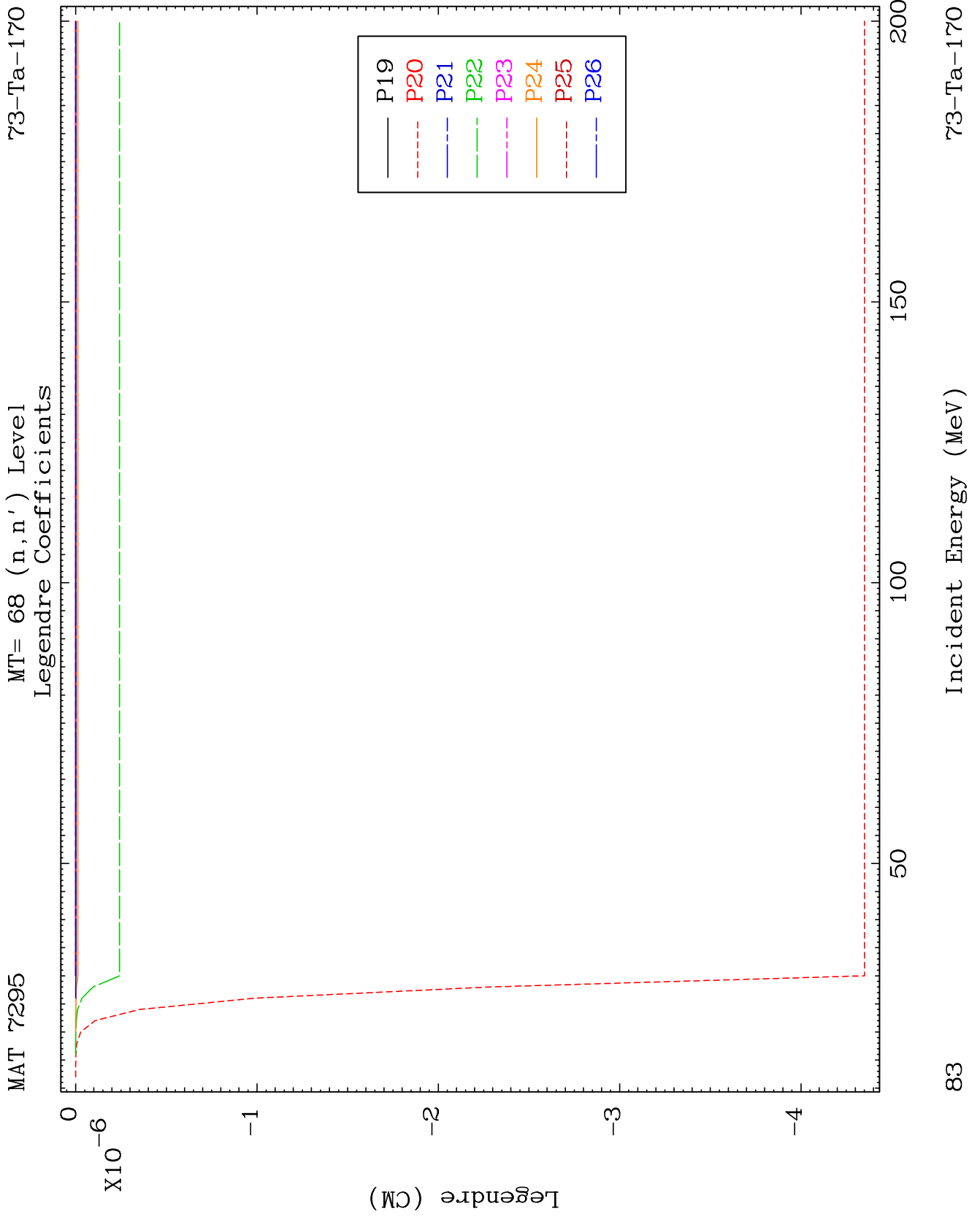


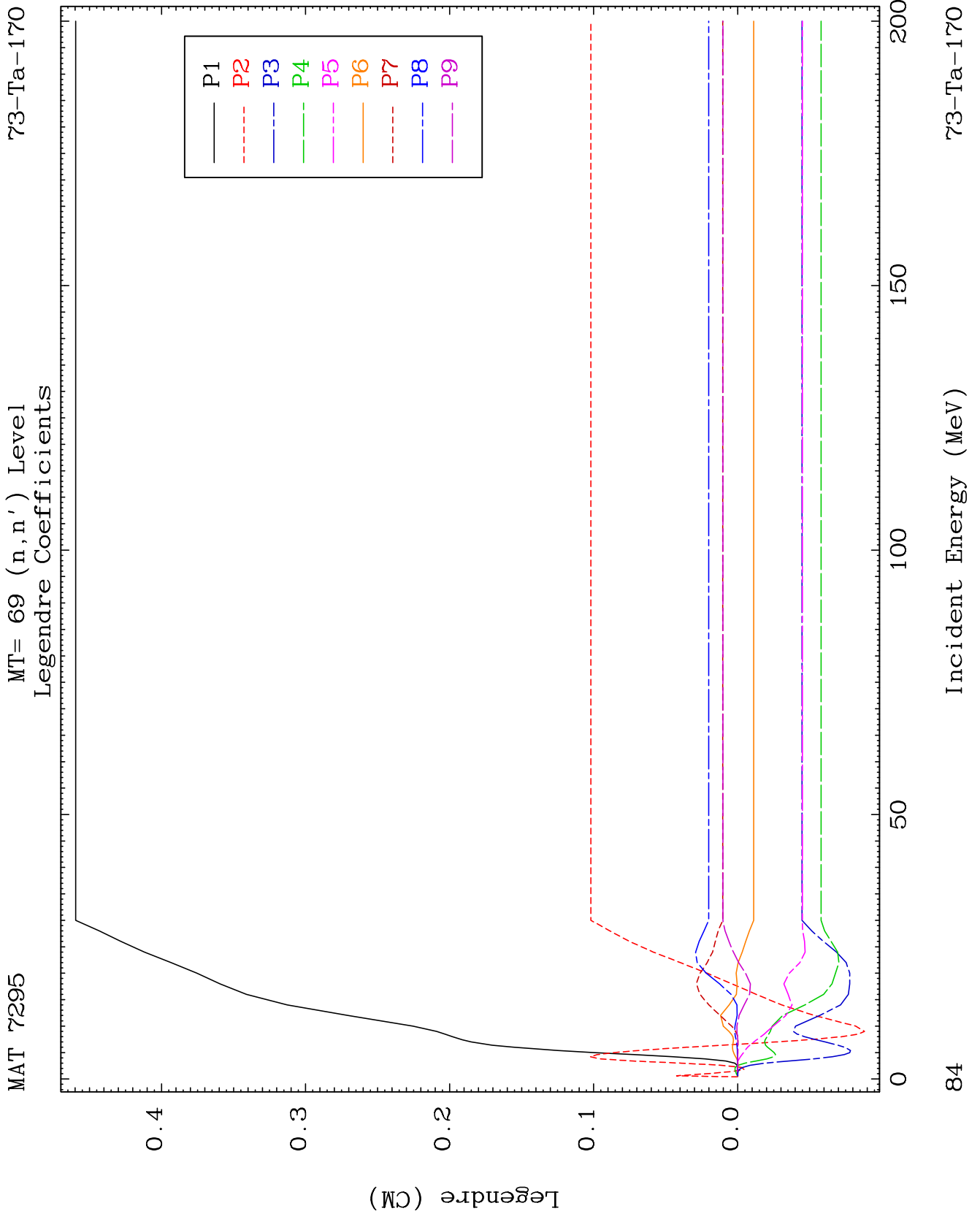
MAT 7295

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

73-Ta-170



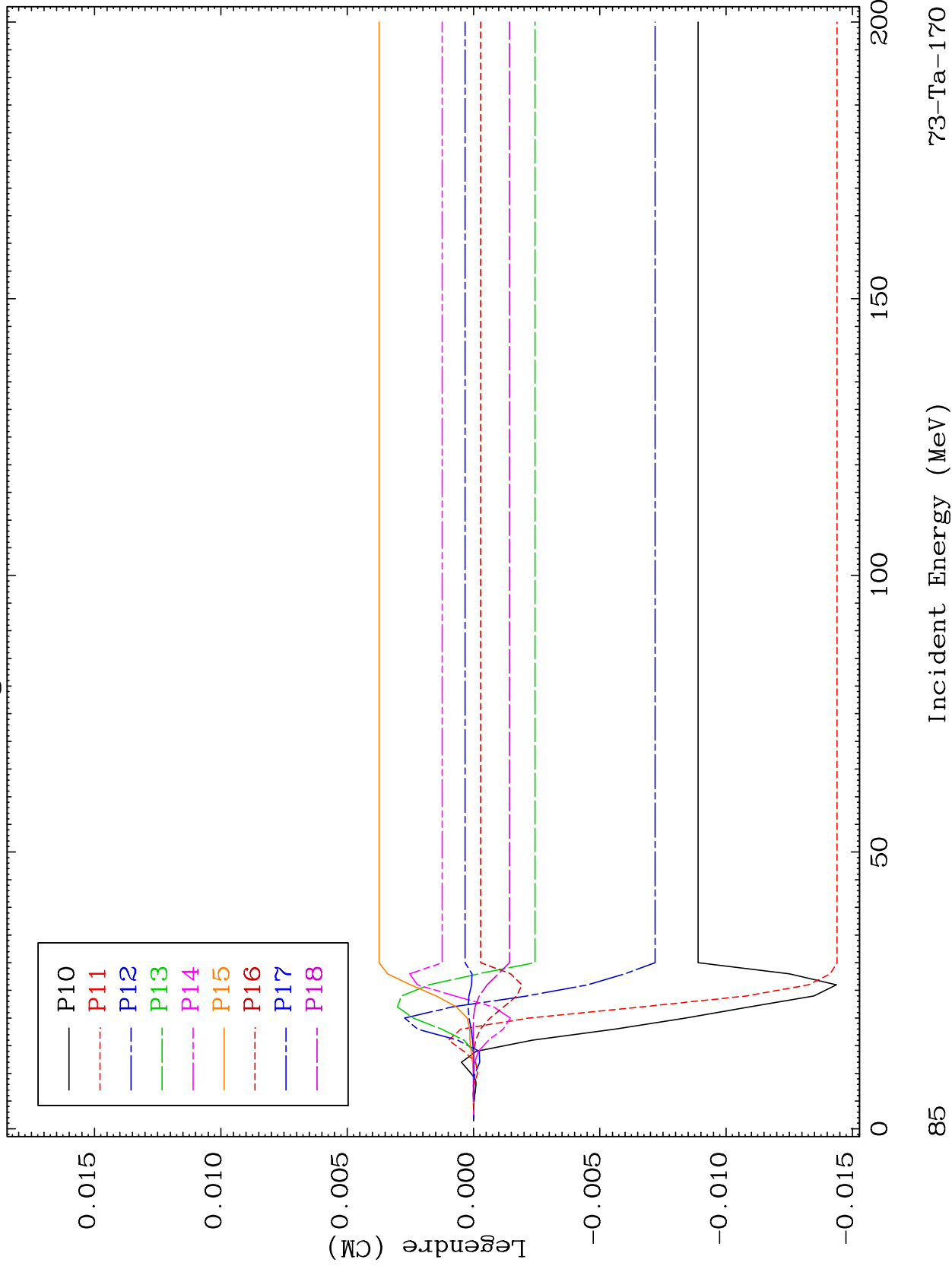




MAT 7295

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

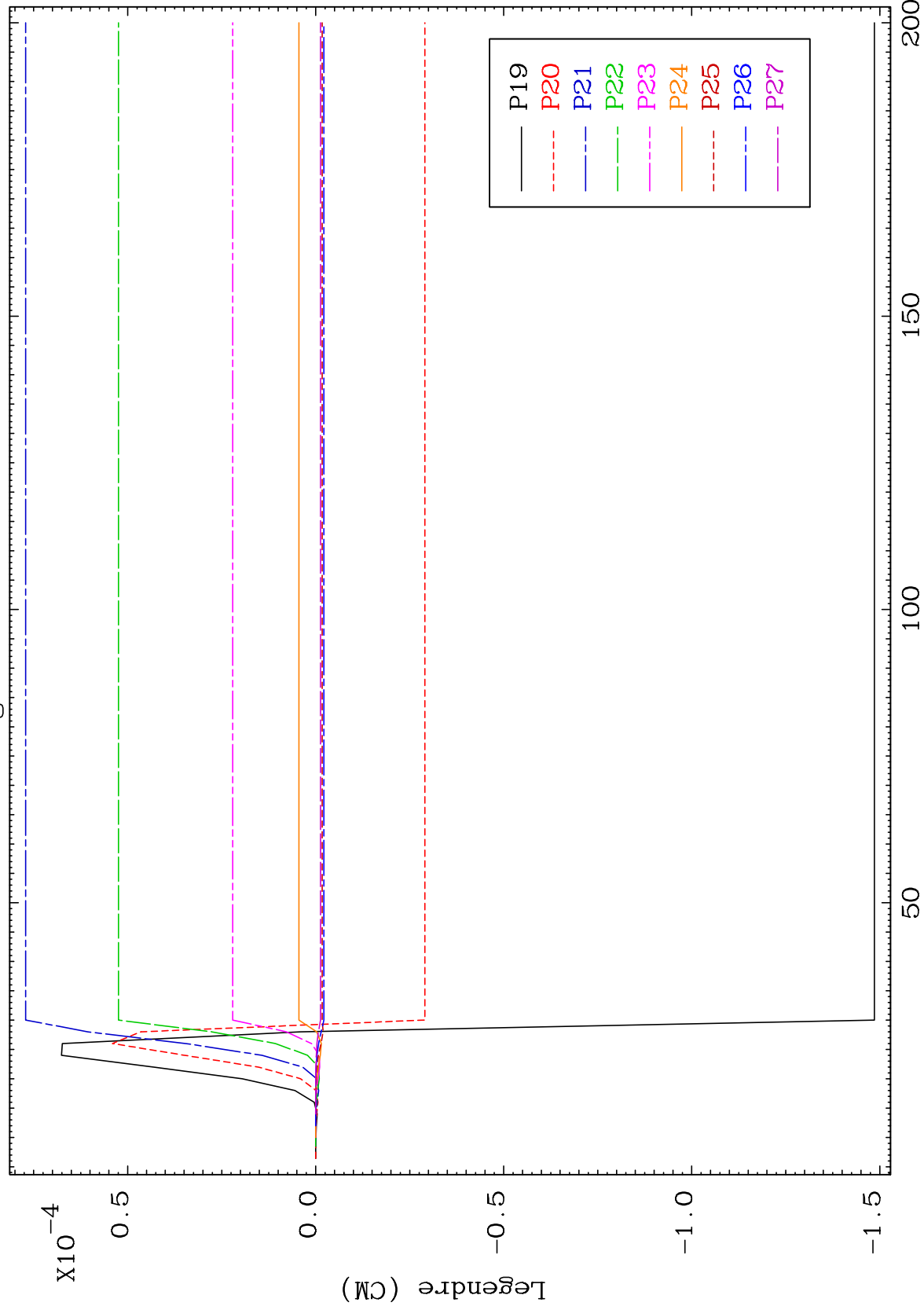
73-Ta-170

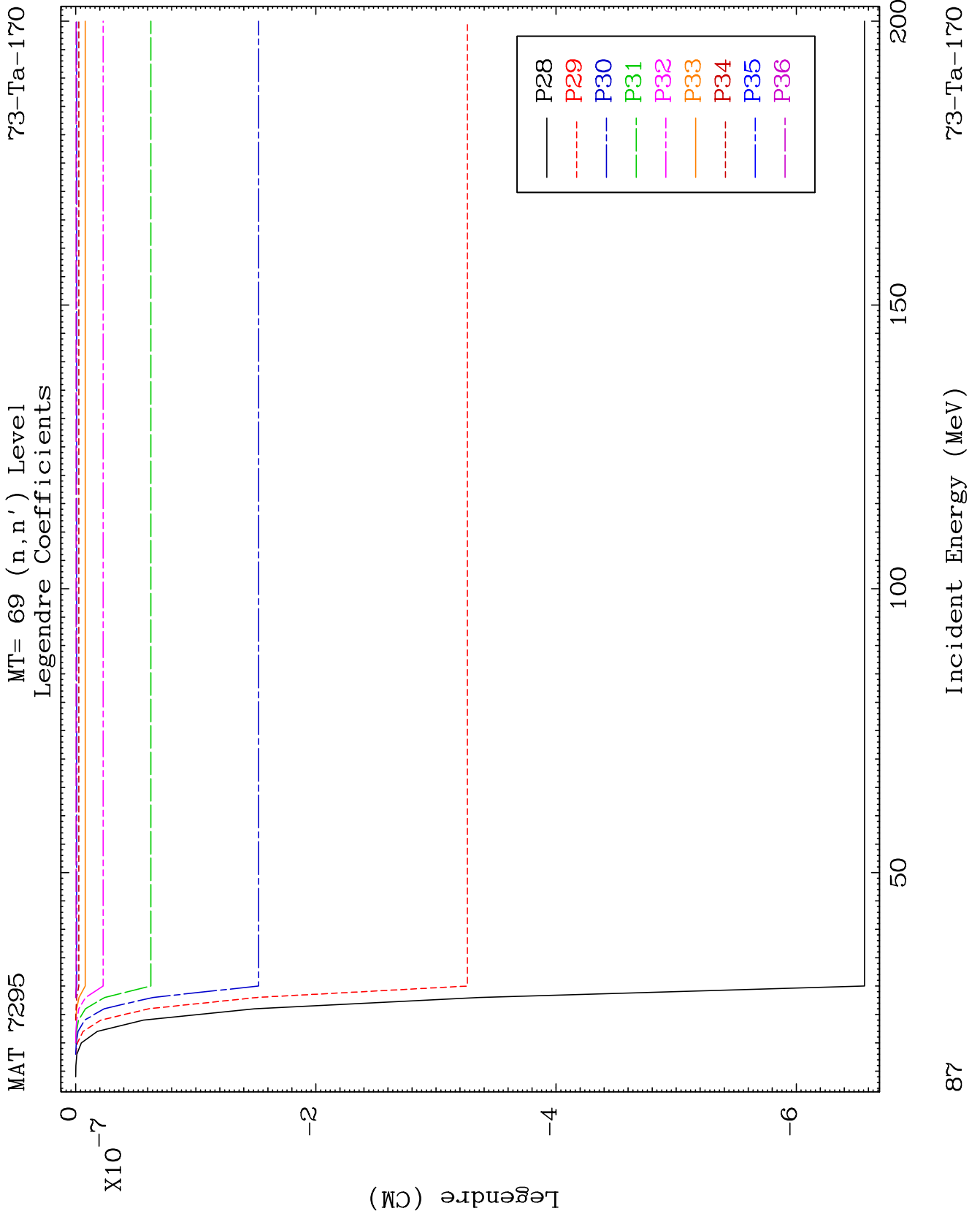


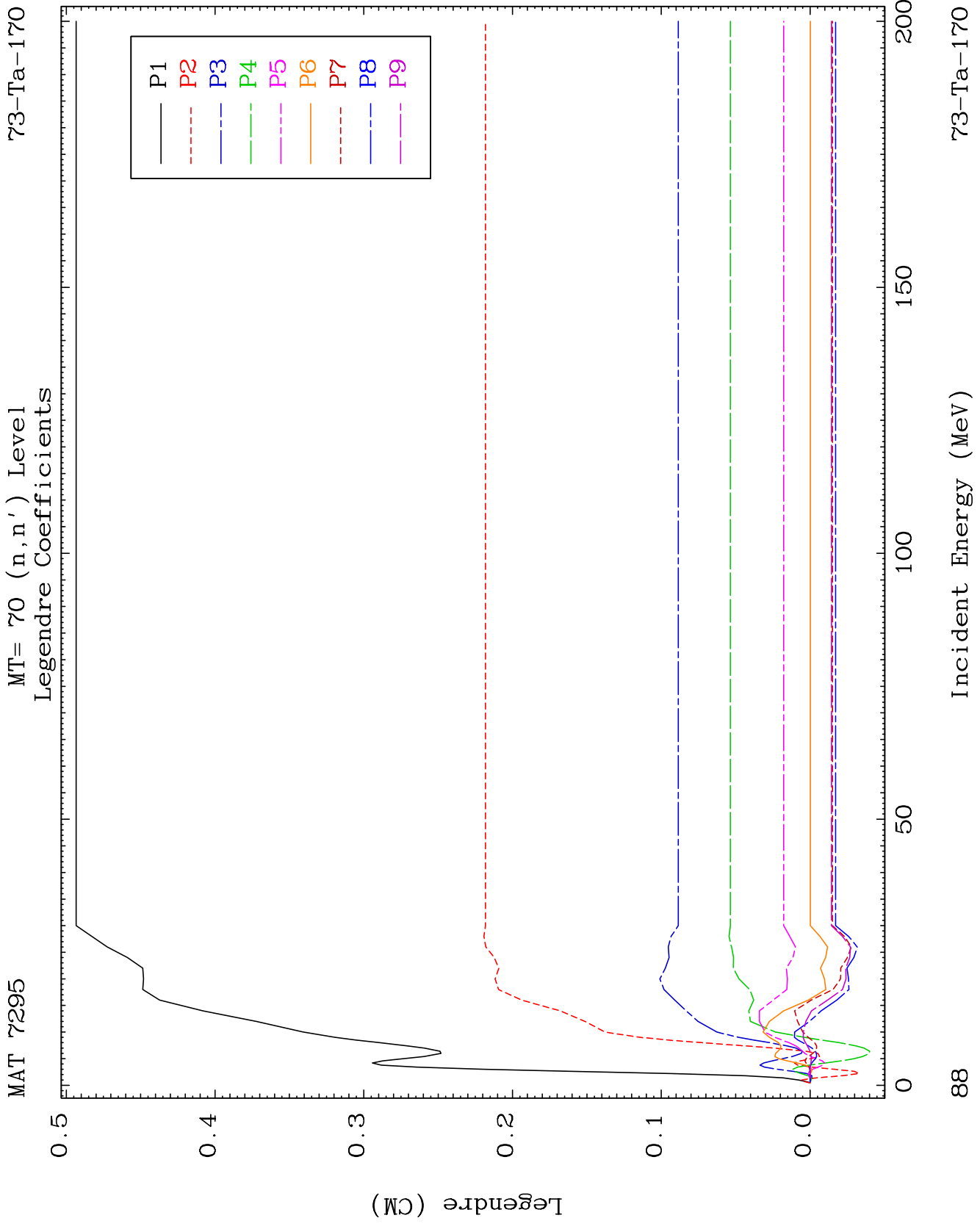
85

Incident Energy (MeV)

73-Ta-170



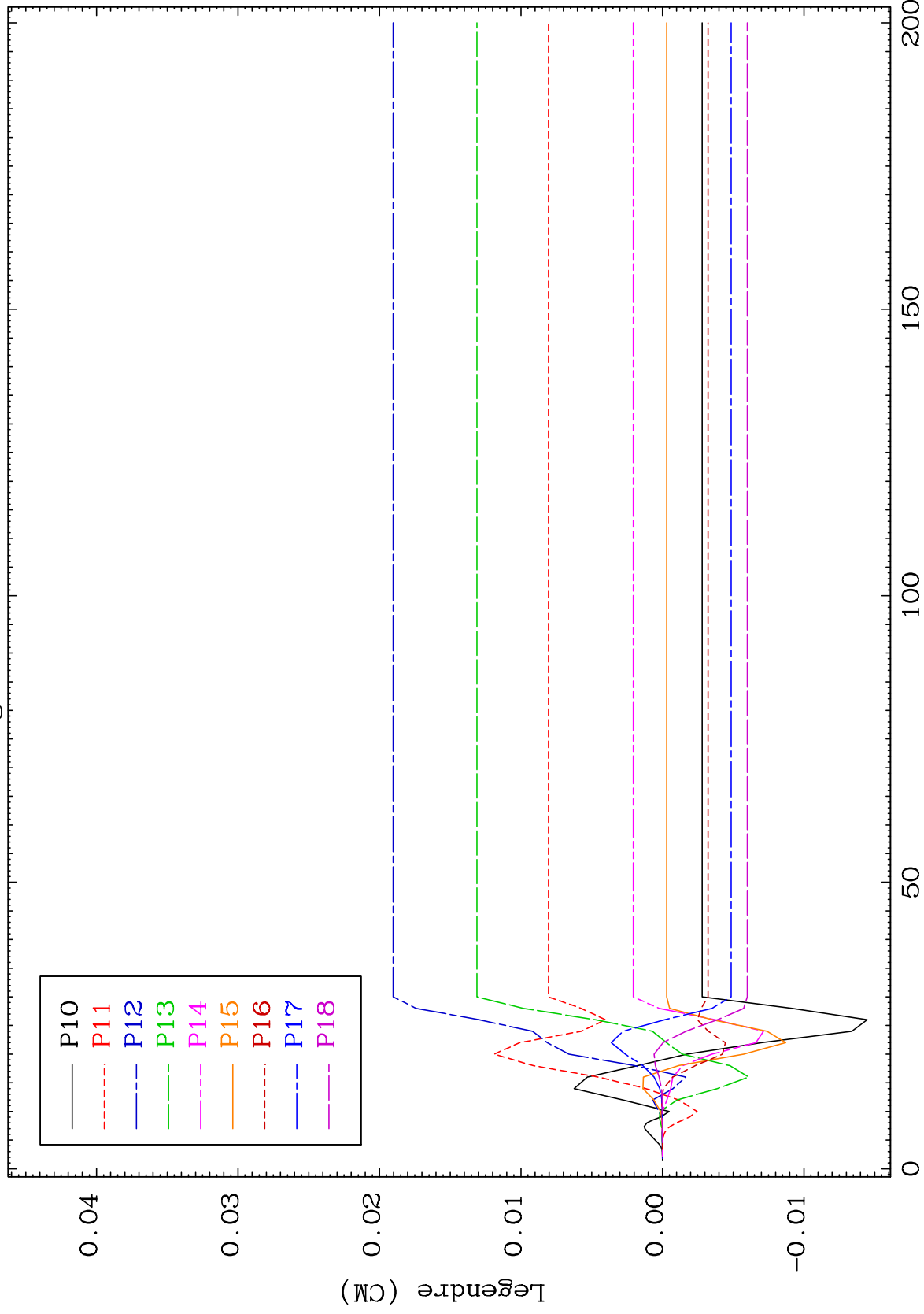




MAT 7295

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

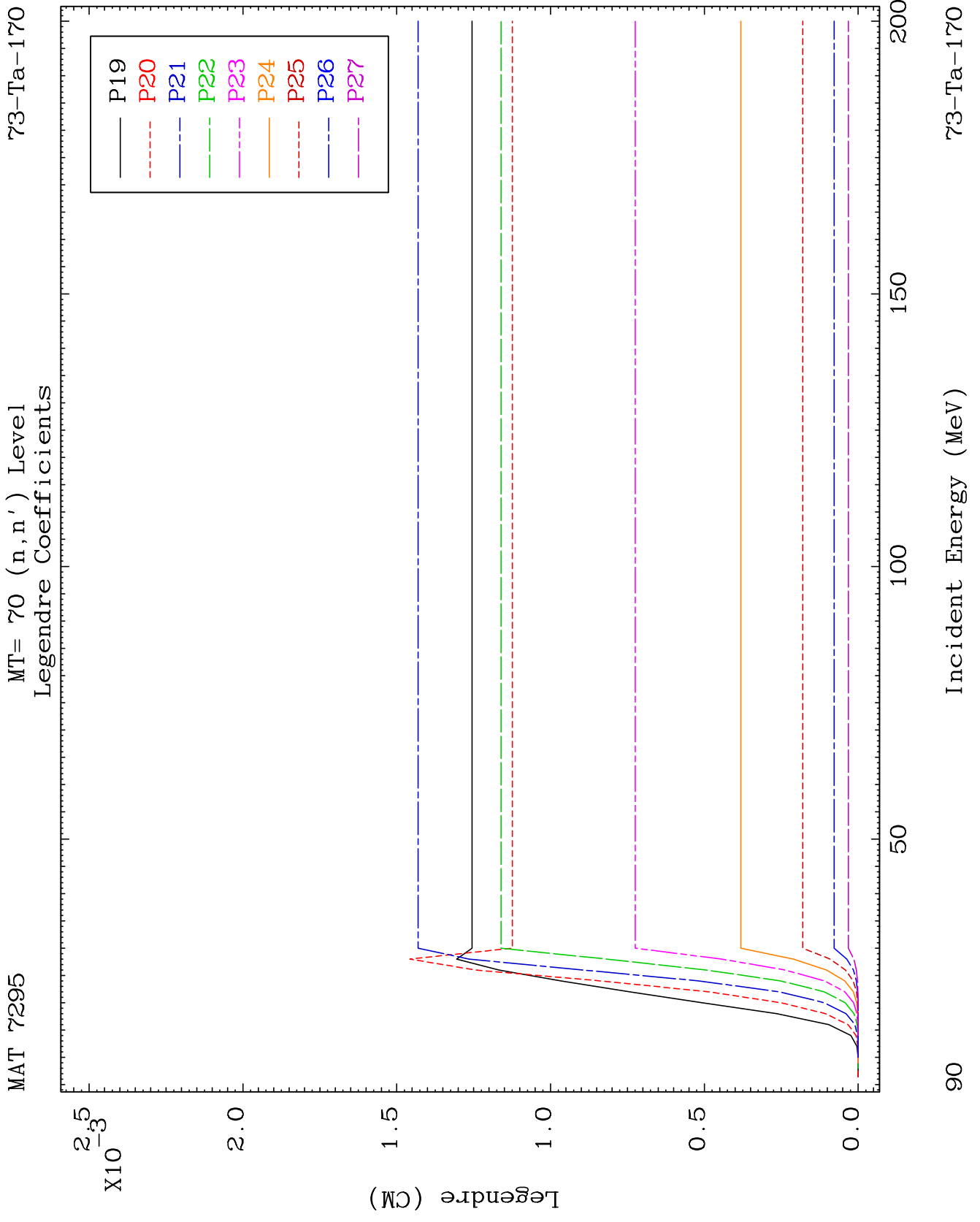
⁷³Ta-170

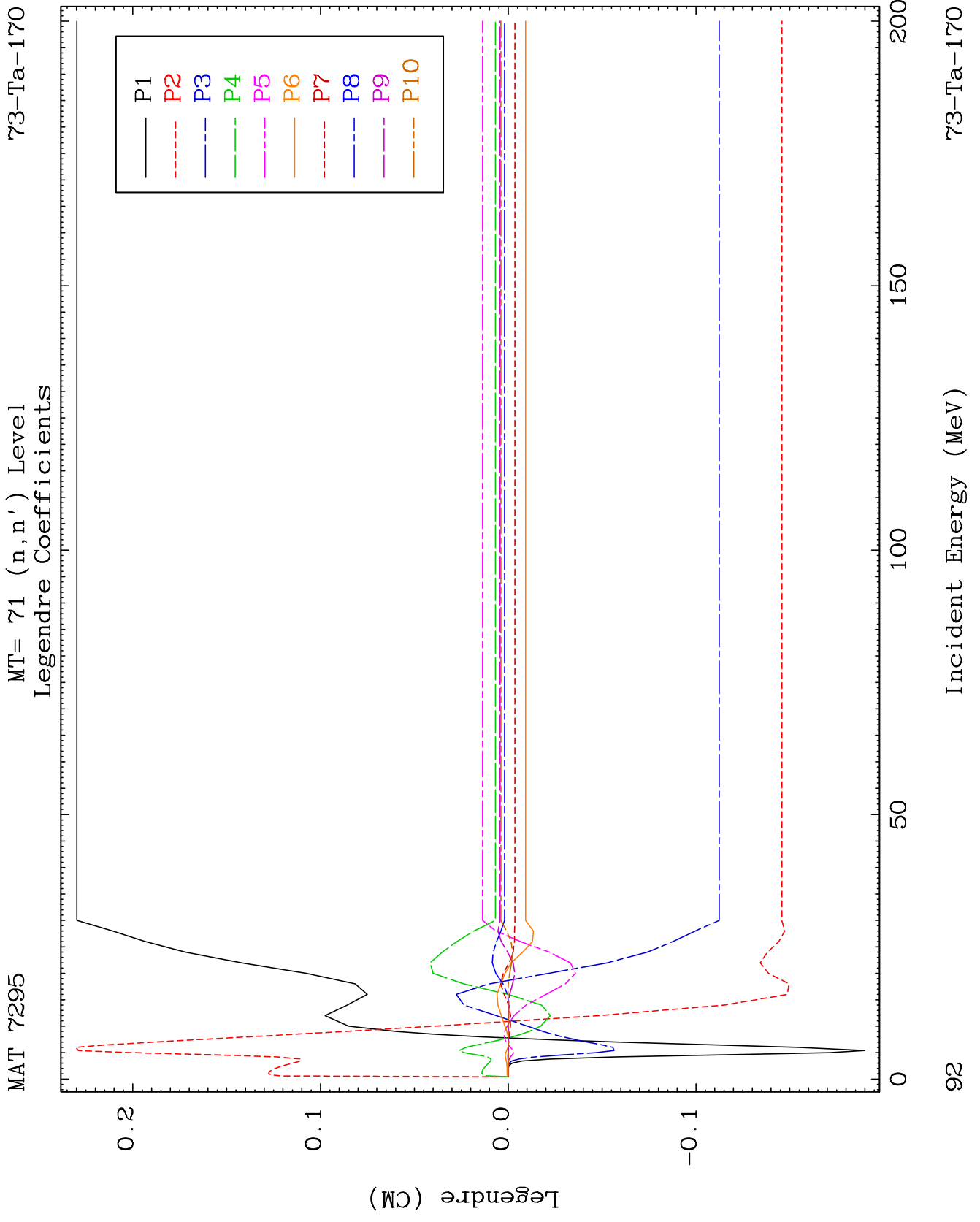


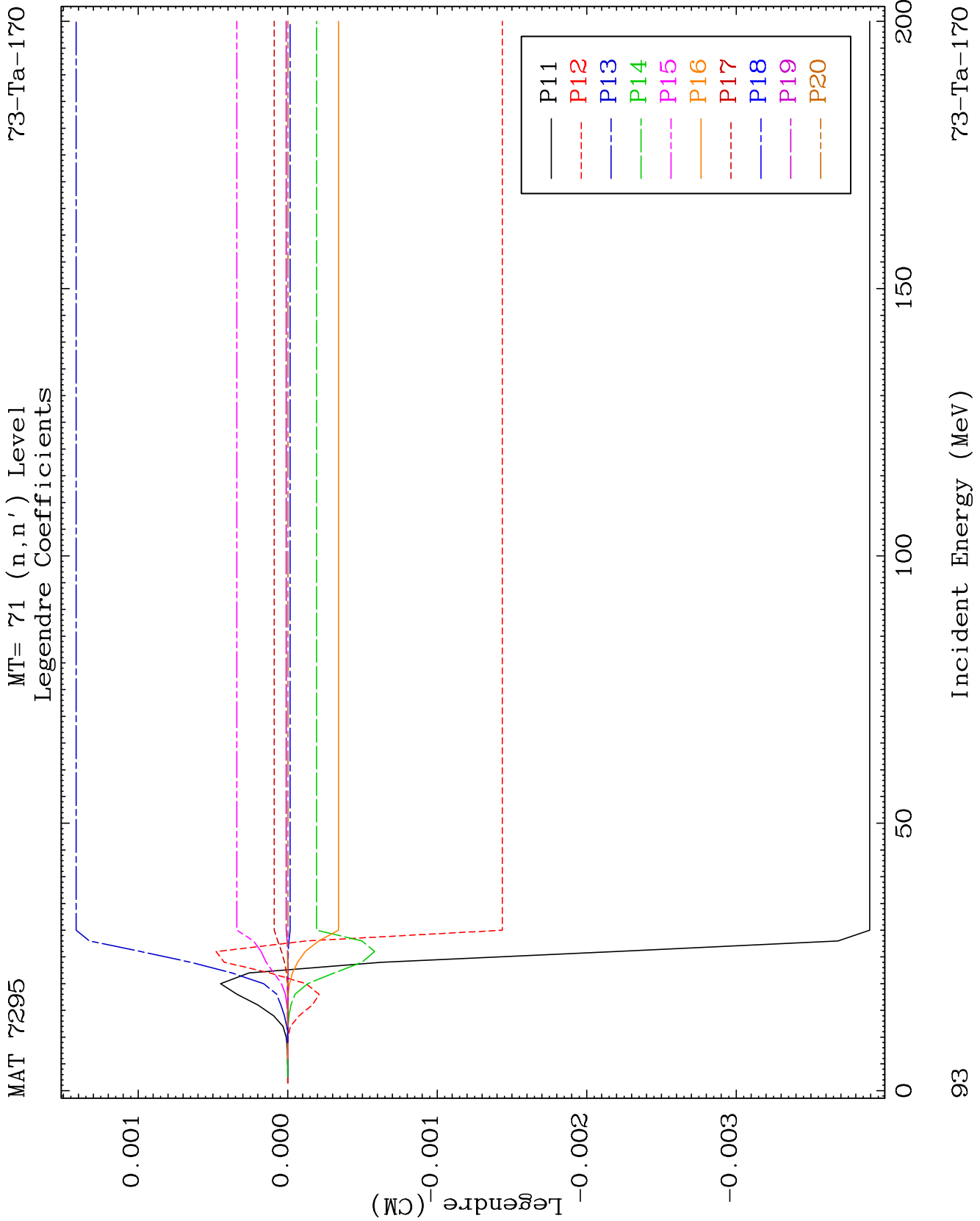
89

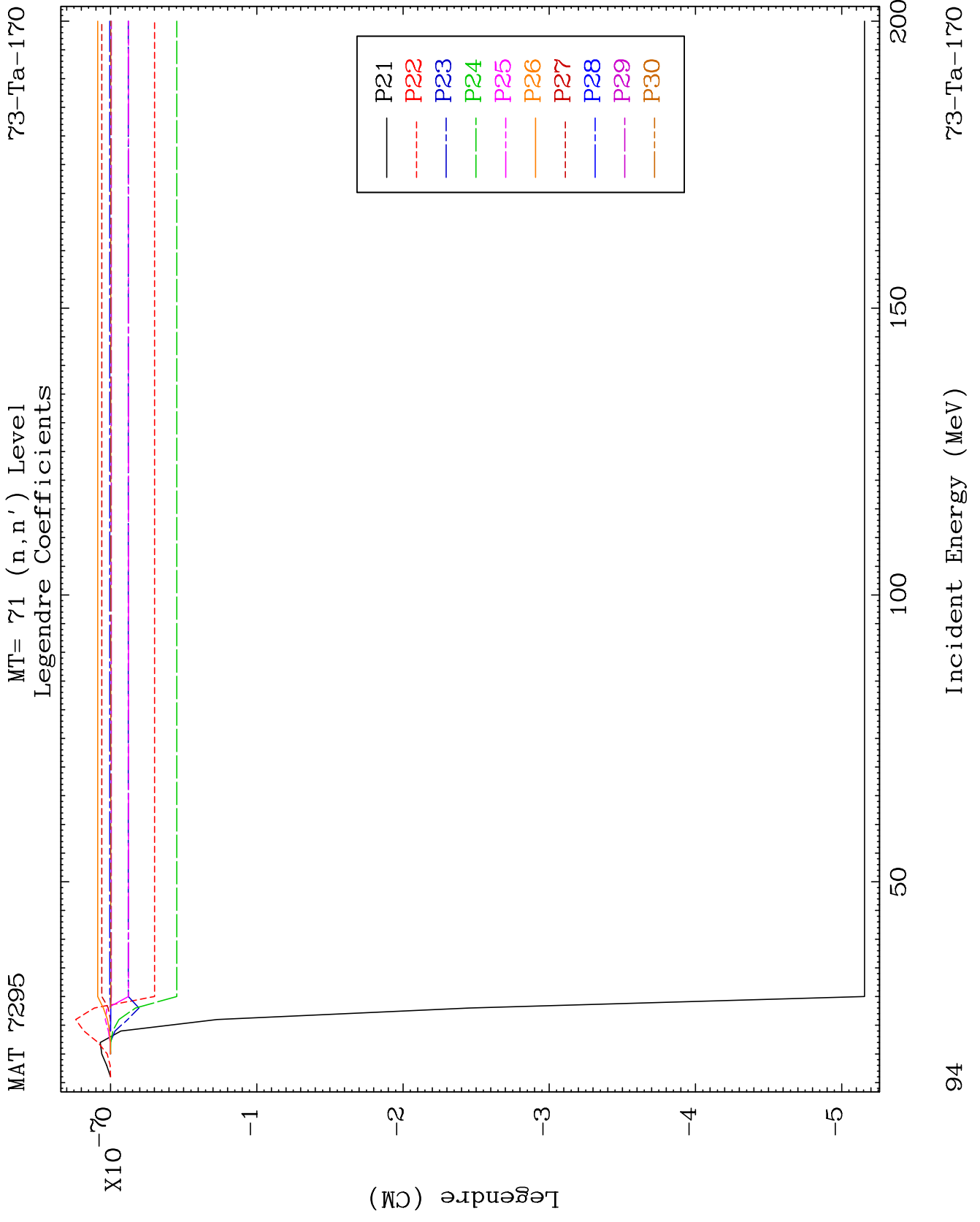
Incident Energy (MeV)

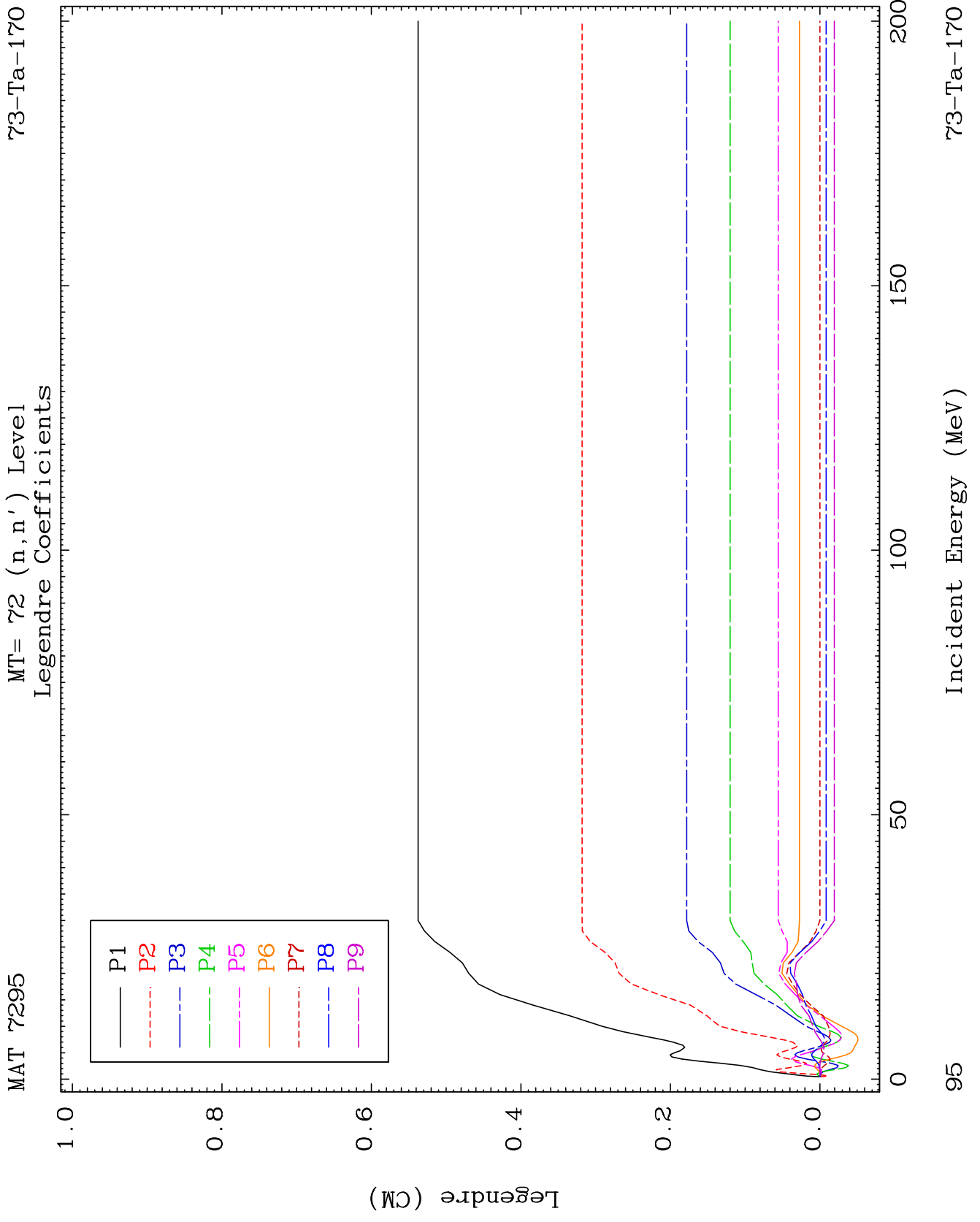
⁷³Ta-170

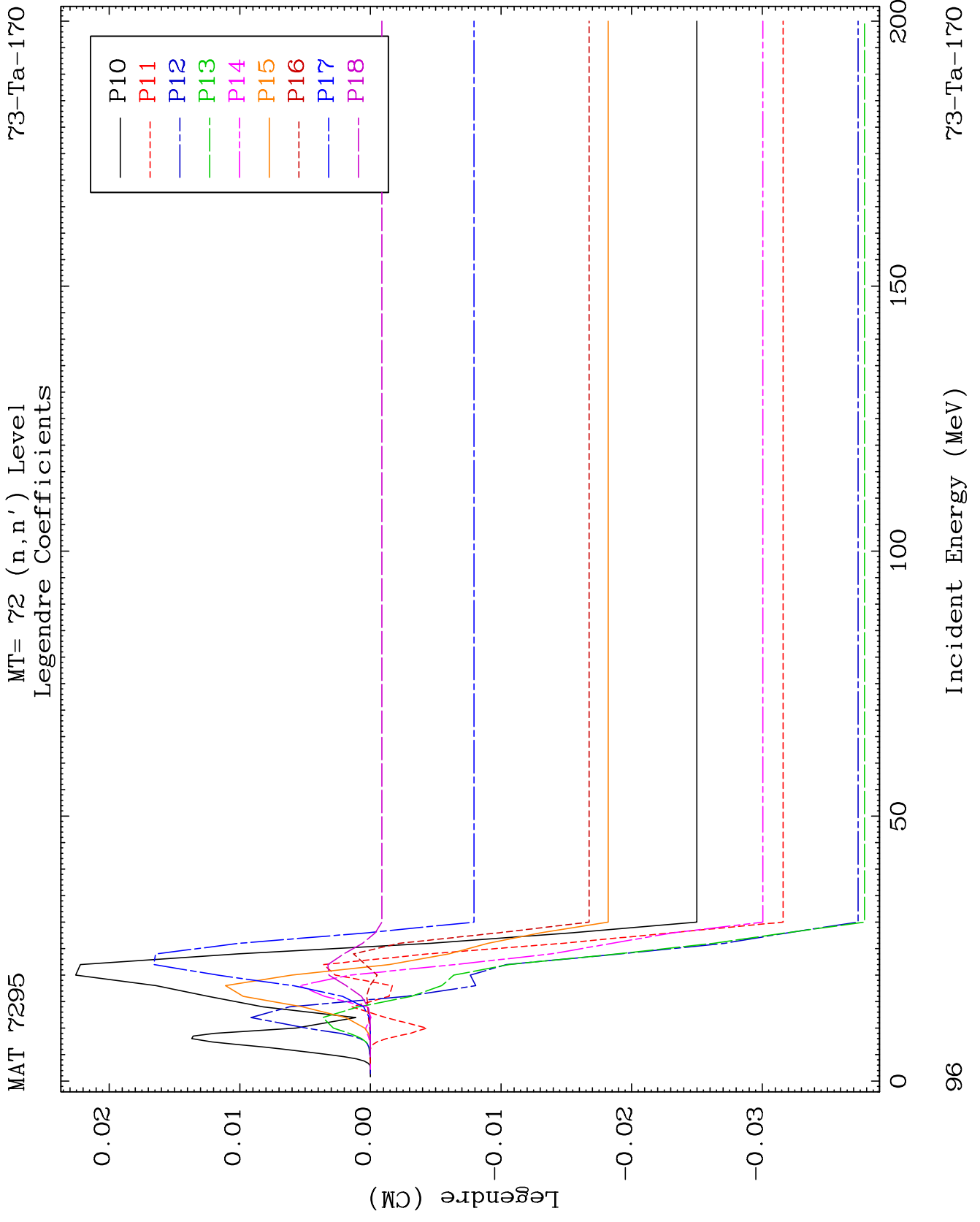








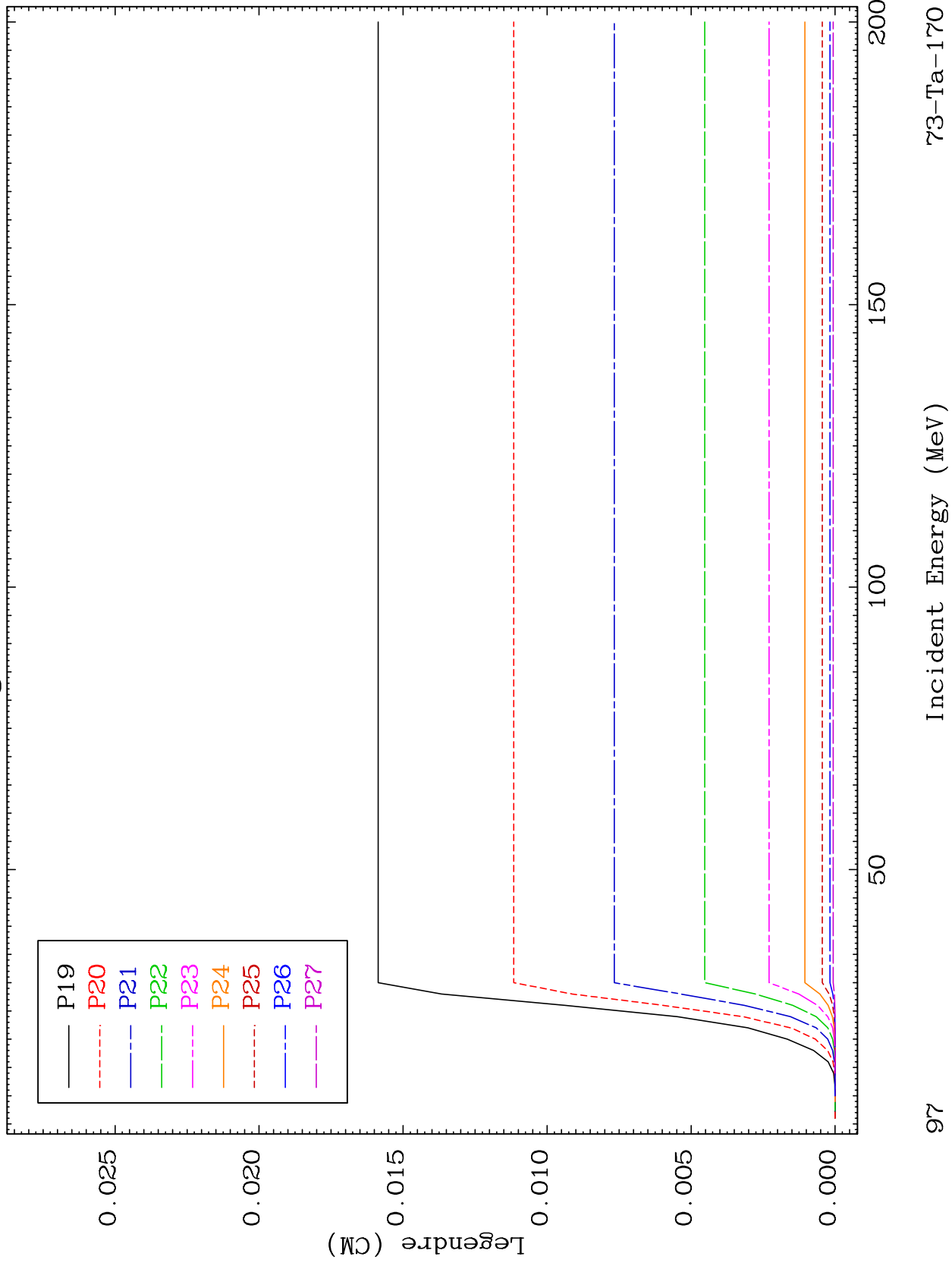




MAT 7295

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

73-Ta-170



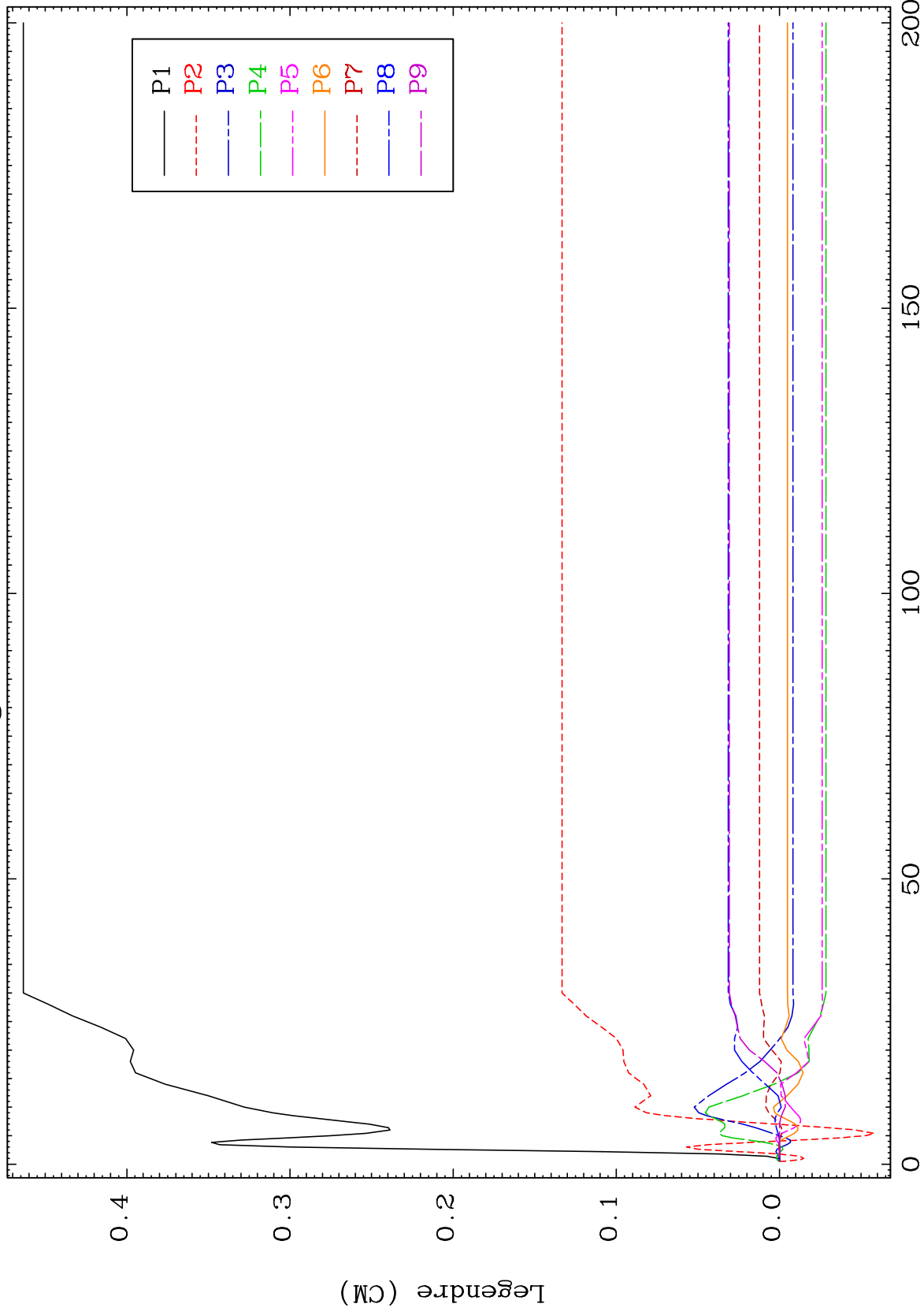
97

73-Ta-170

MAT 7295

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

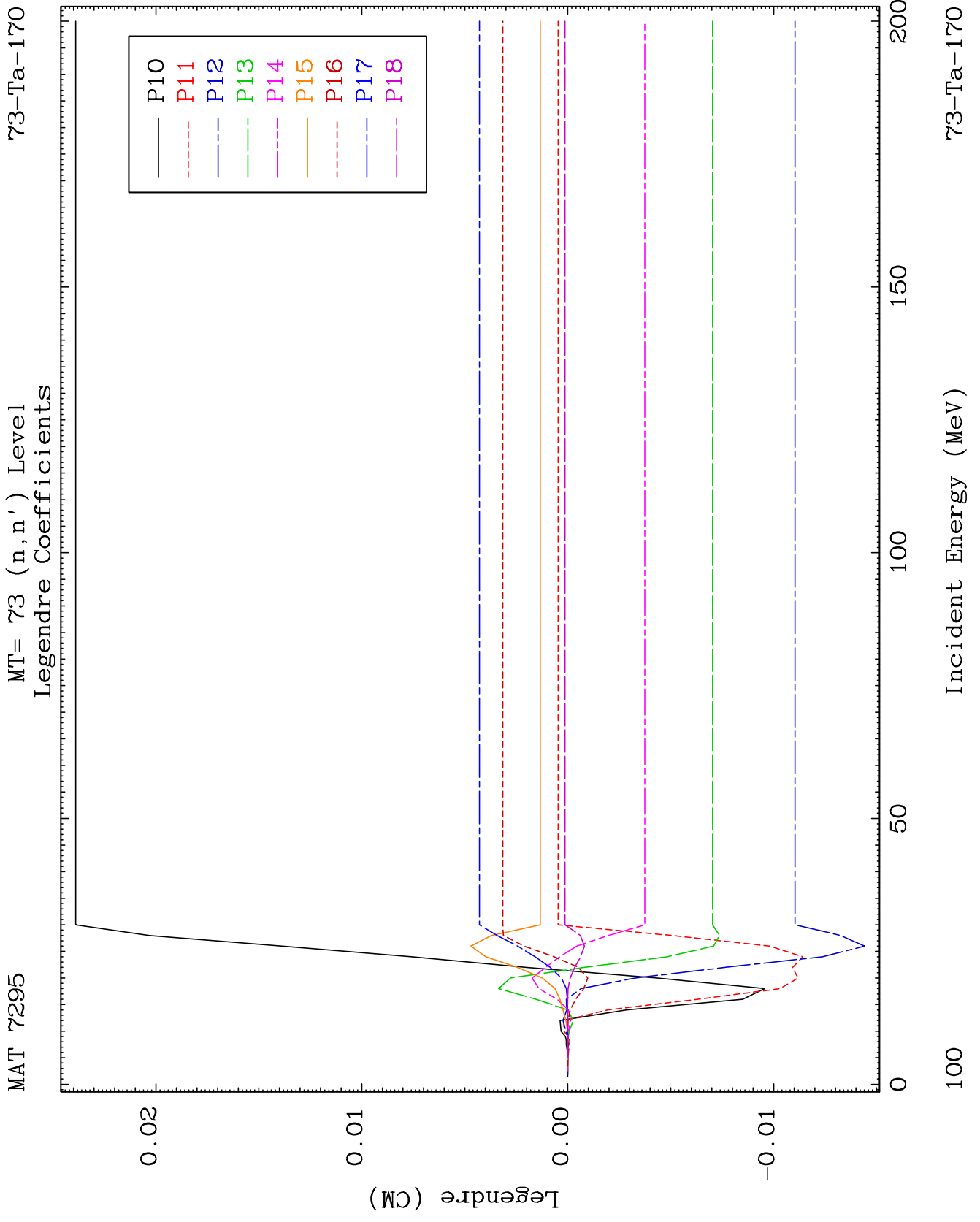
73-Ta-170



99

Incident Energy (MeV)

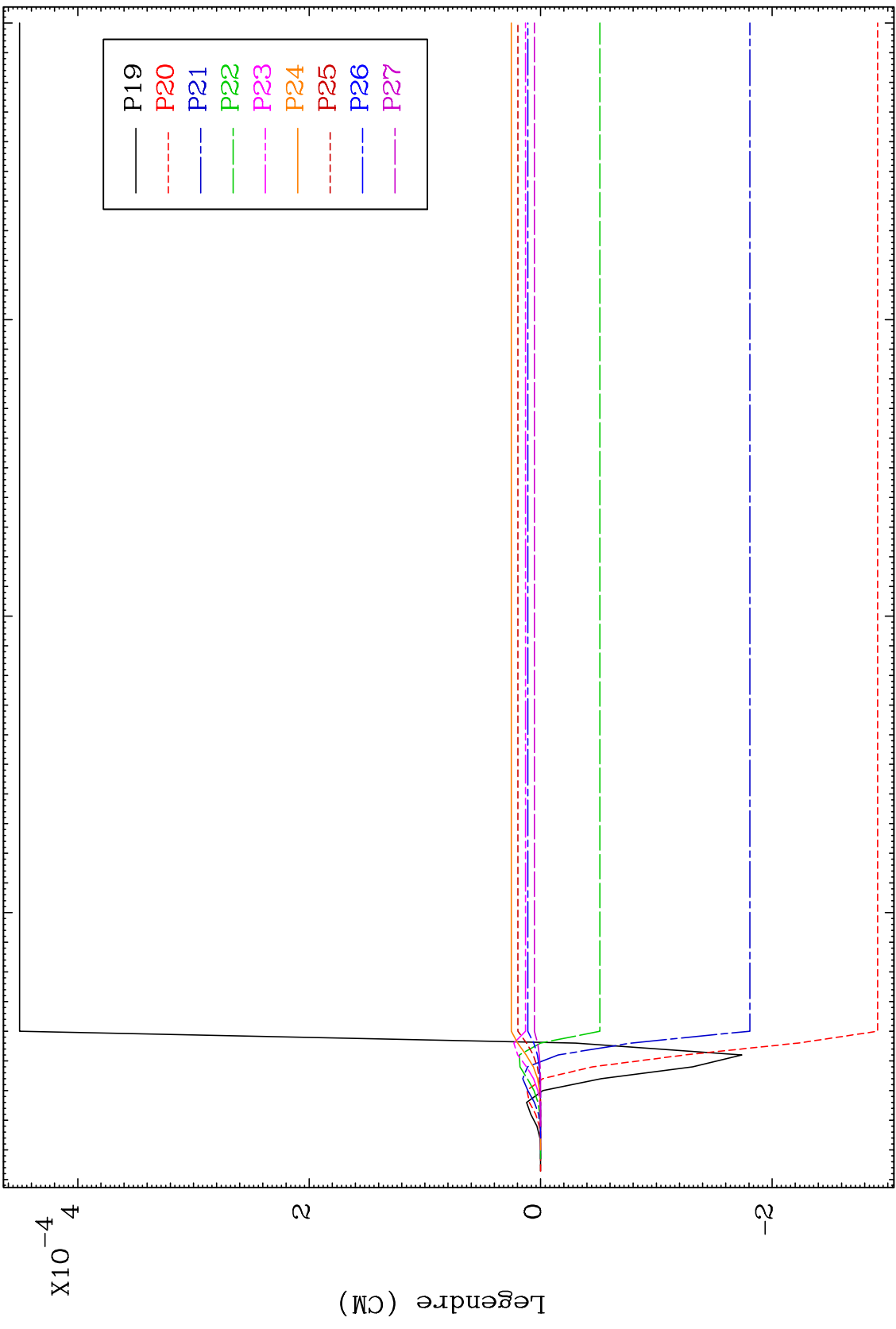
73-Ta-170



MAT 7295

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

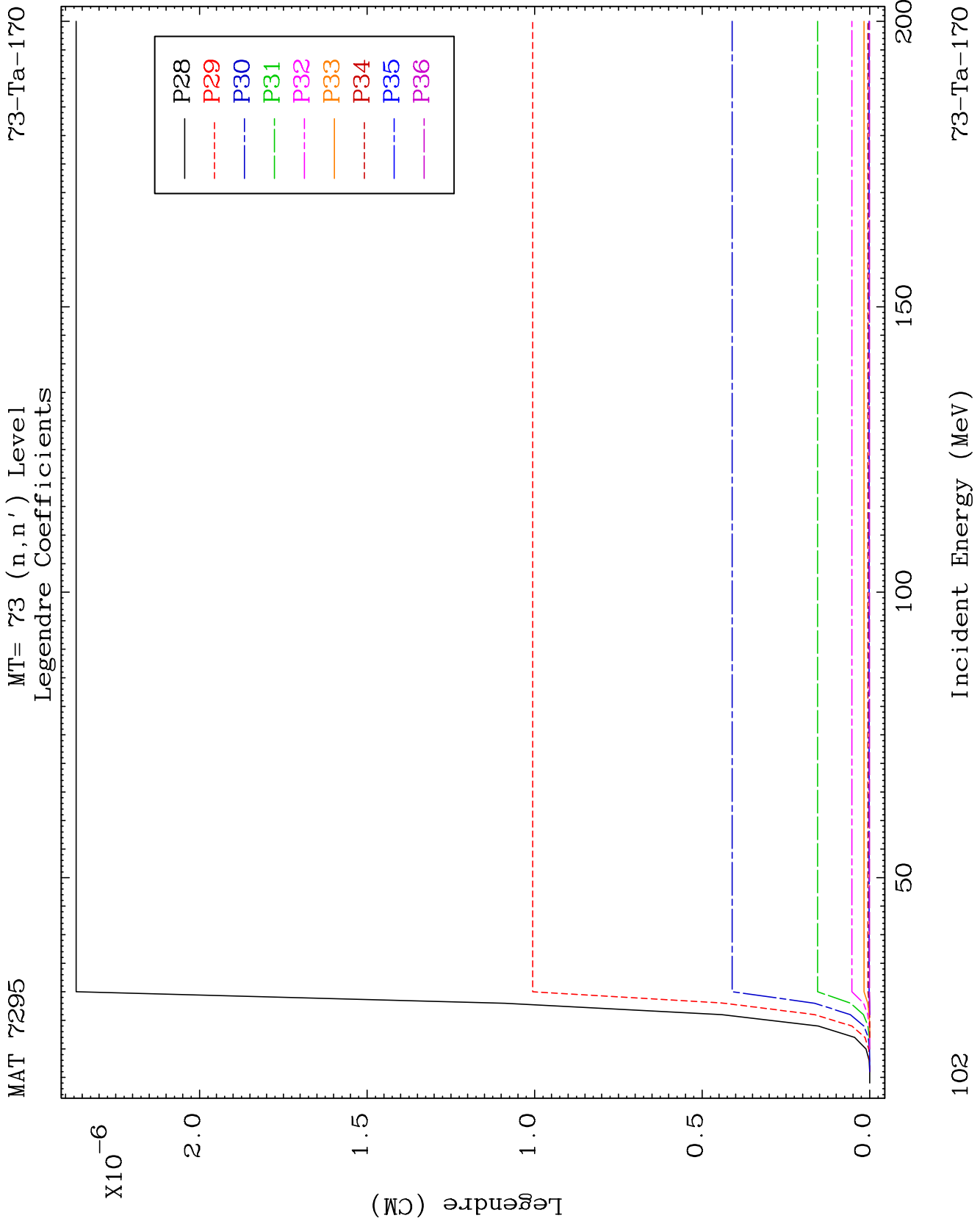
73-Ta-170

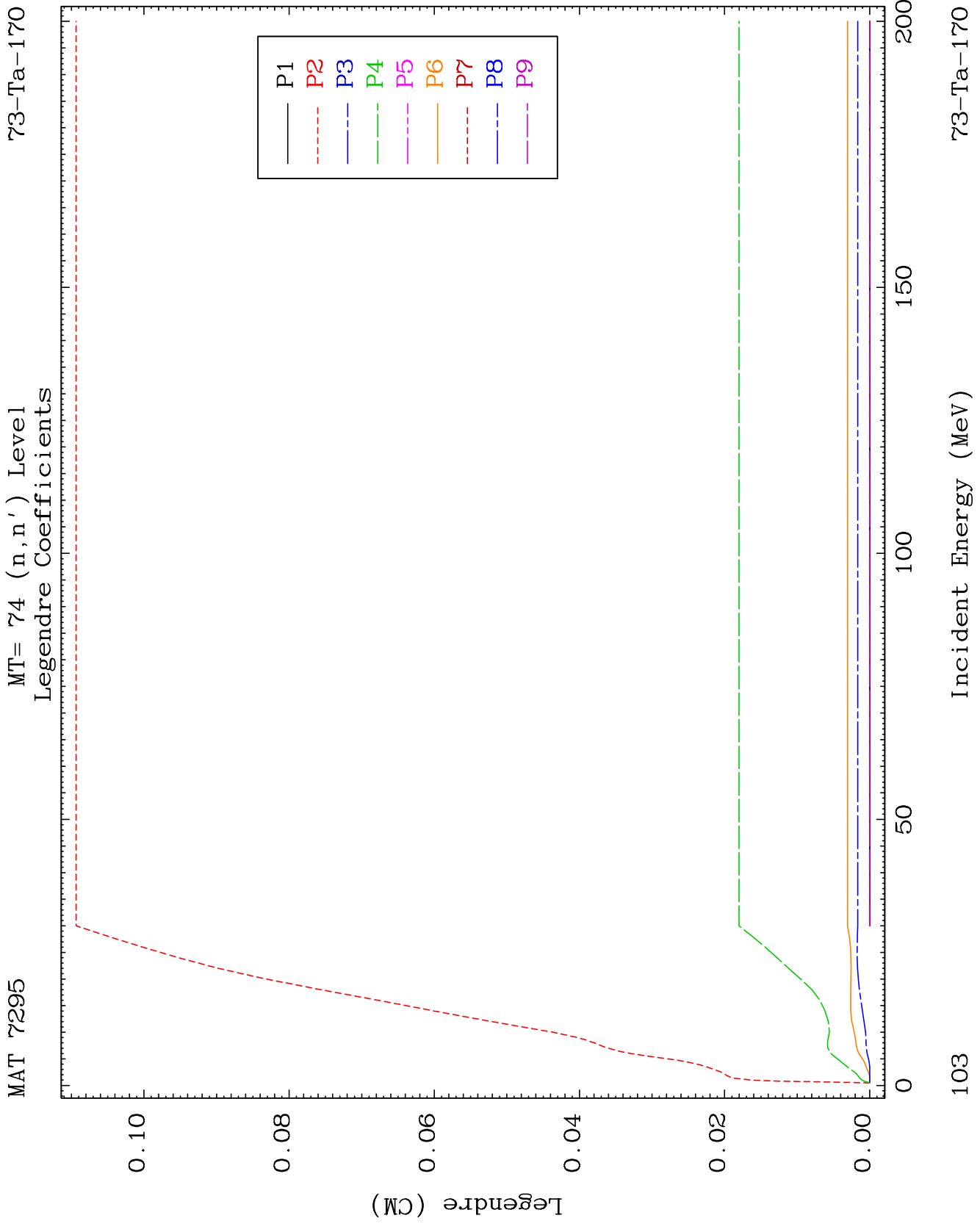


101

Incident Energy (MeV)

73-Ta-170

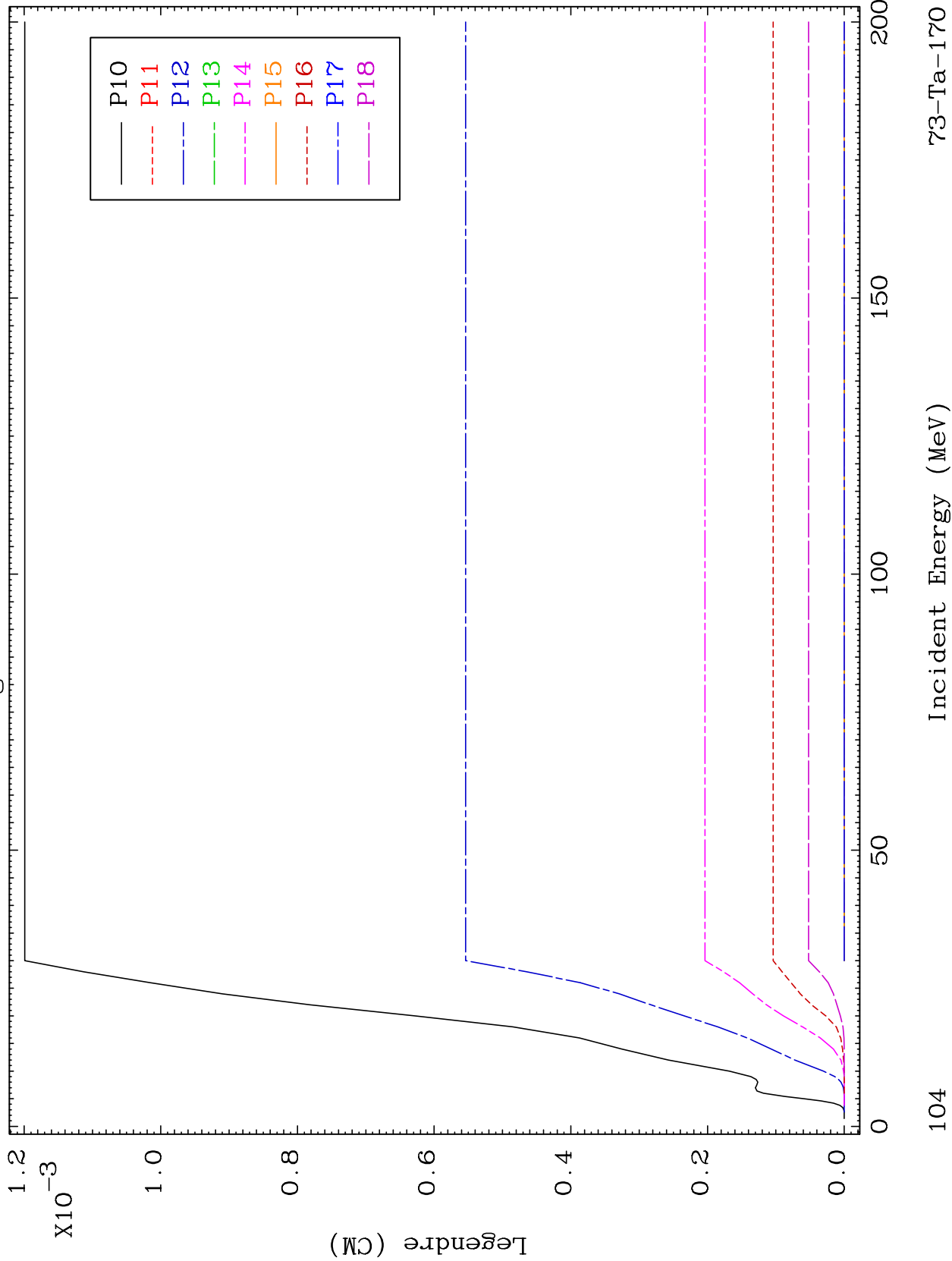




MAT 7295

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

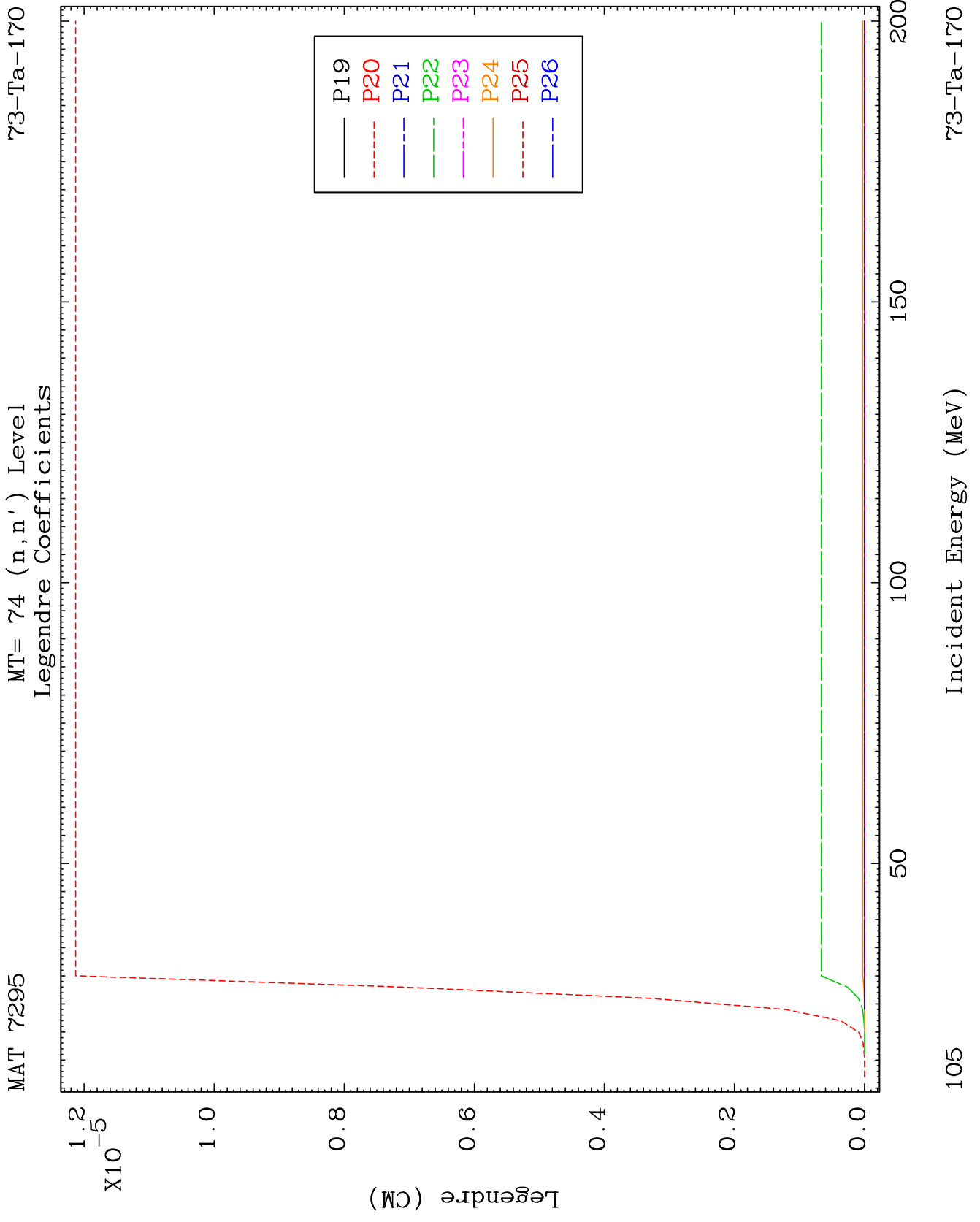
73-Ta-170

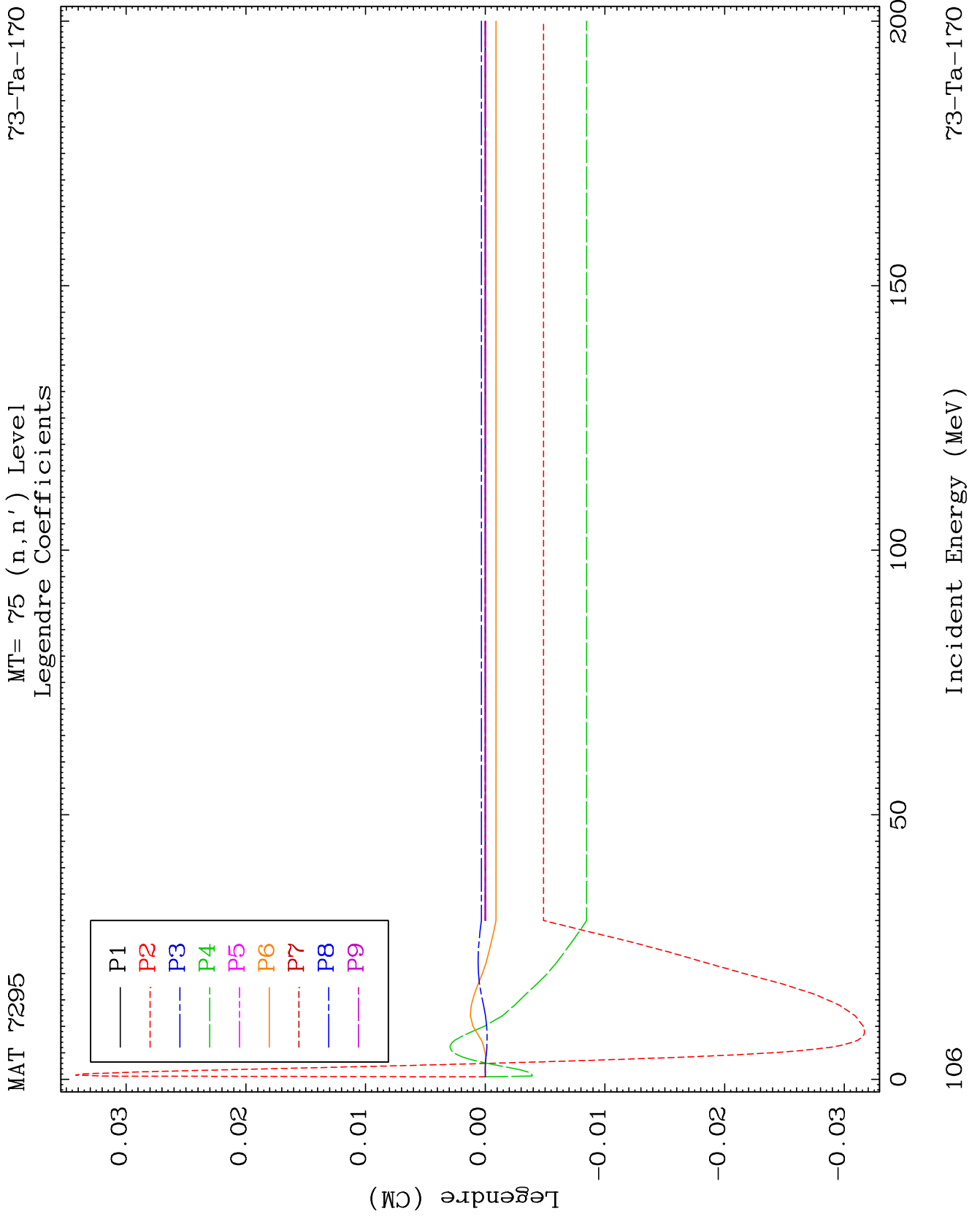


104

Incident Energy (MeV)

73-Ta-170

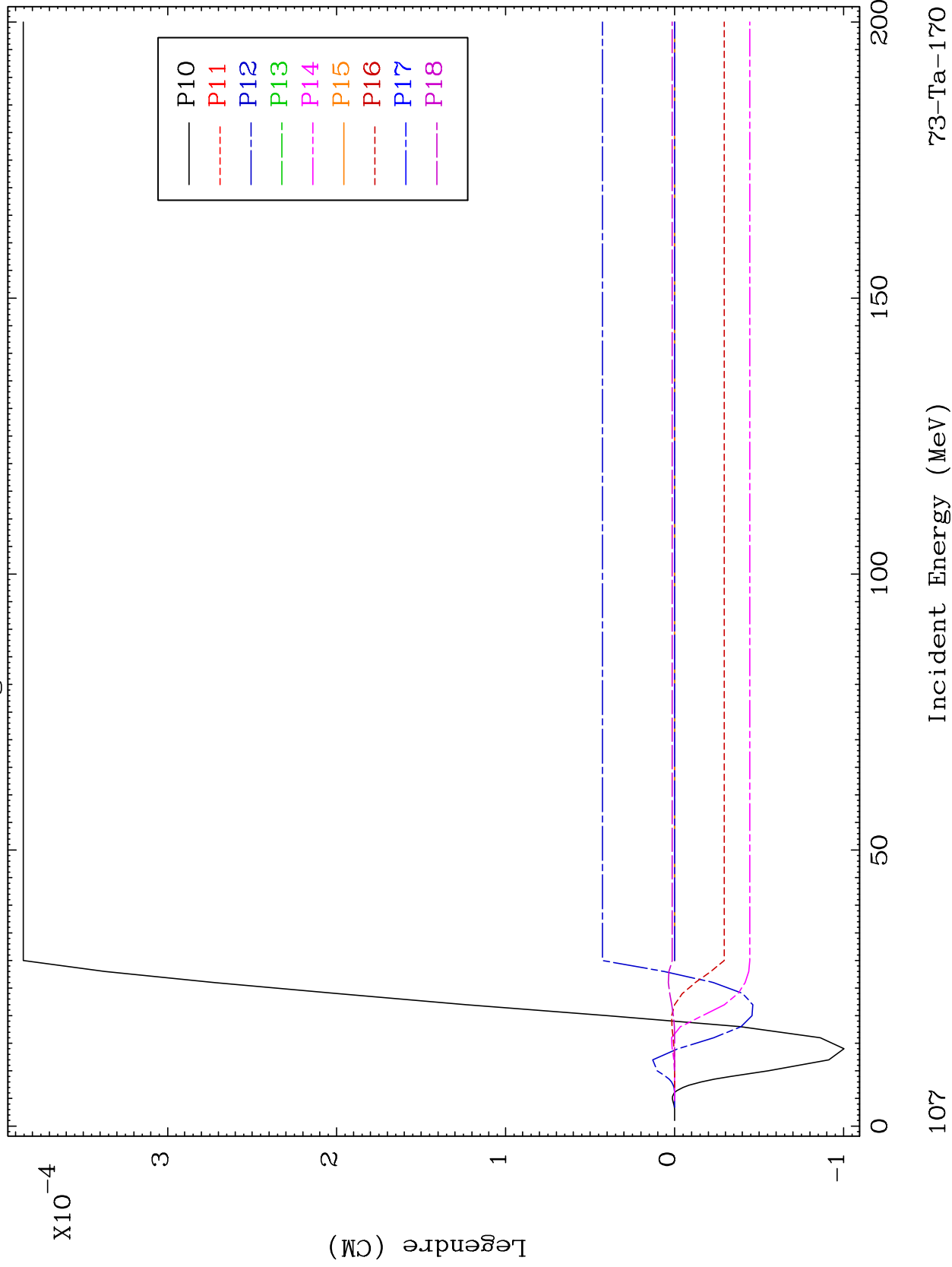




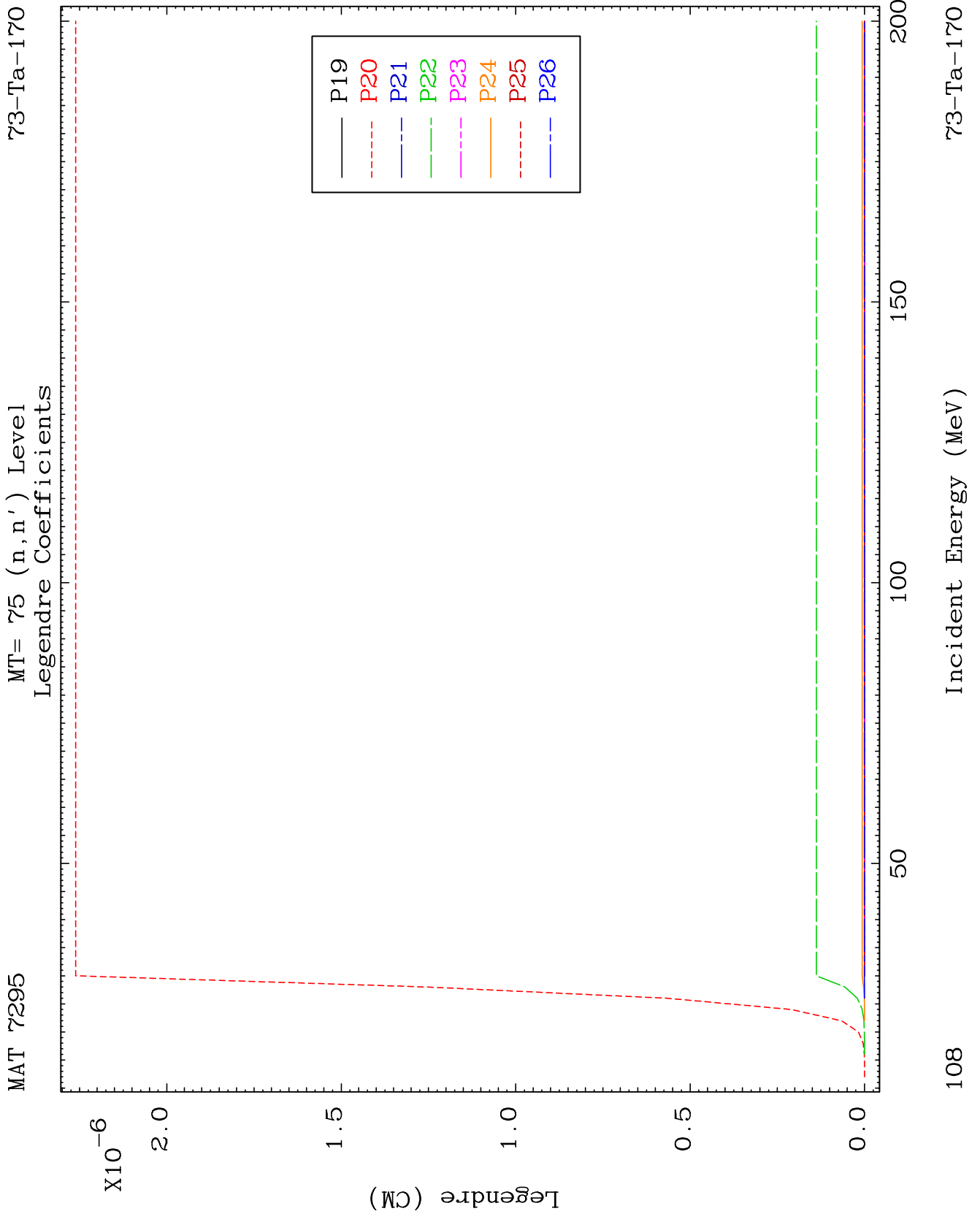
MAT 7295

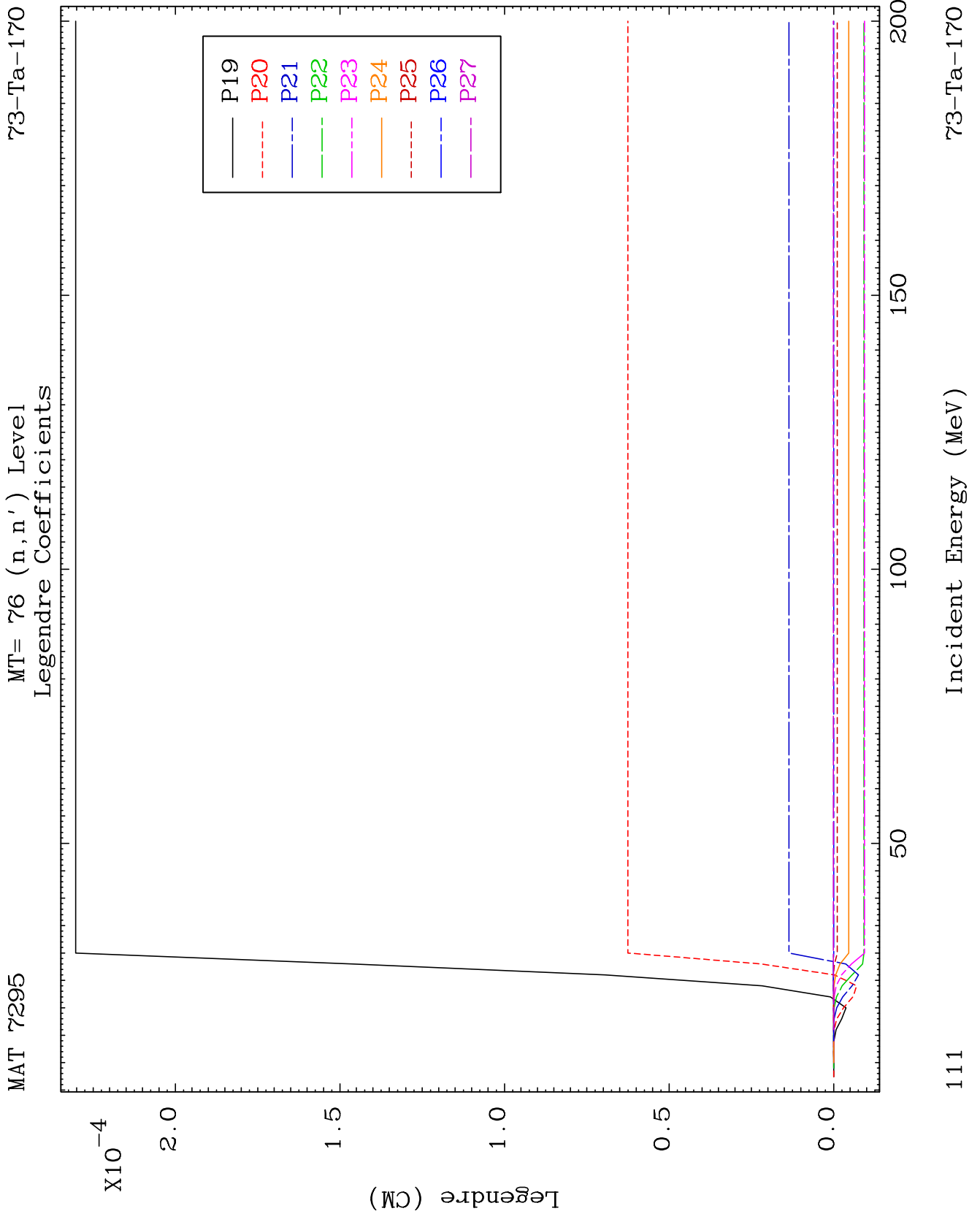
MT= 75 (n,n') Level
Legendre Coefficients

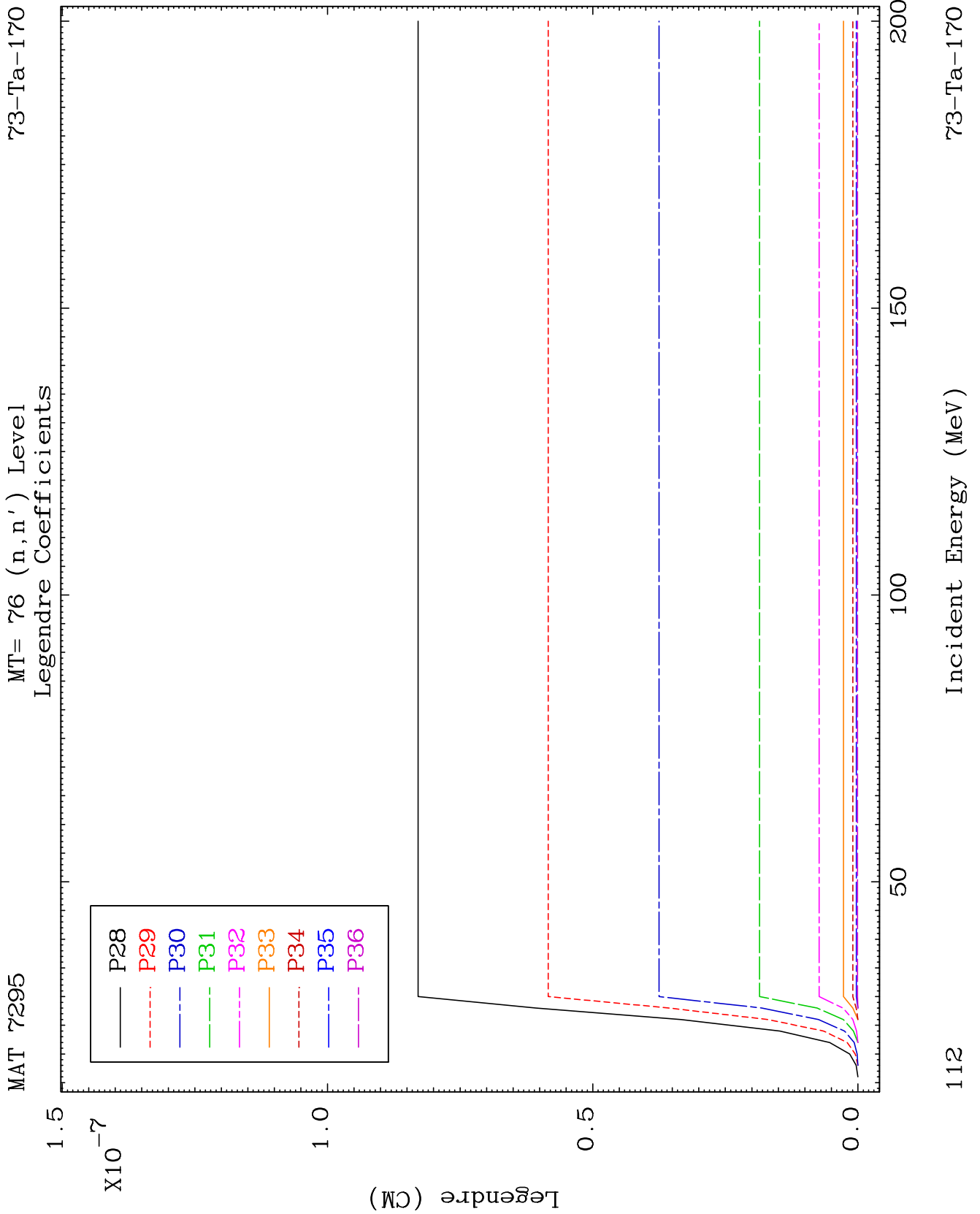
73-Ta-170



107



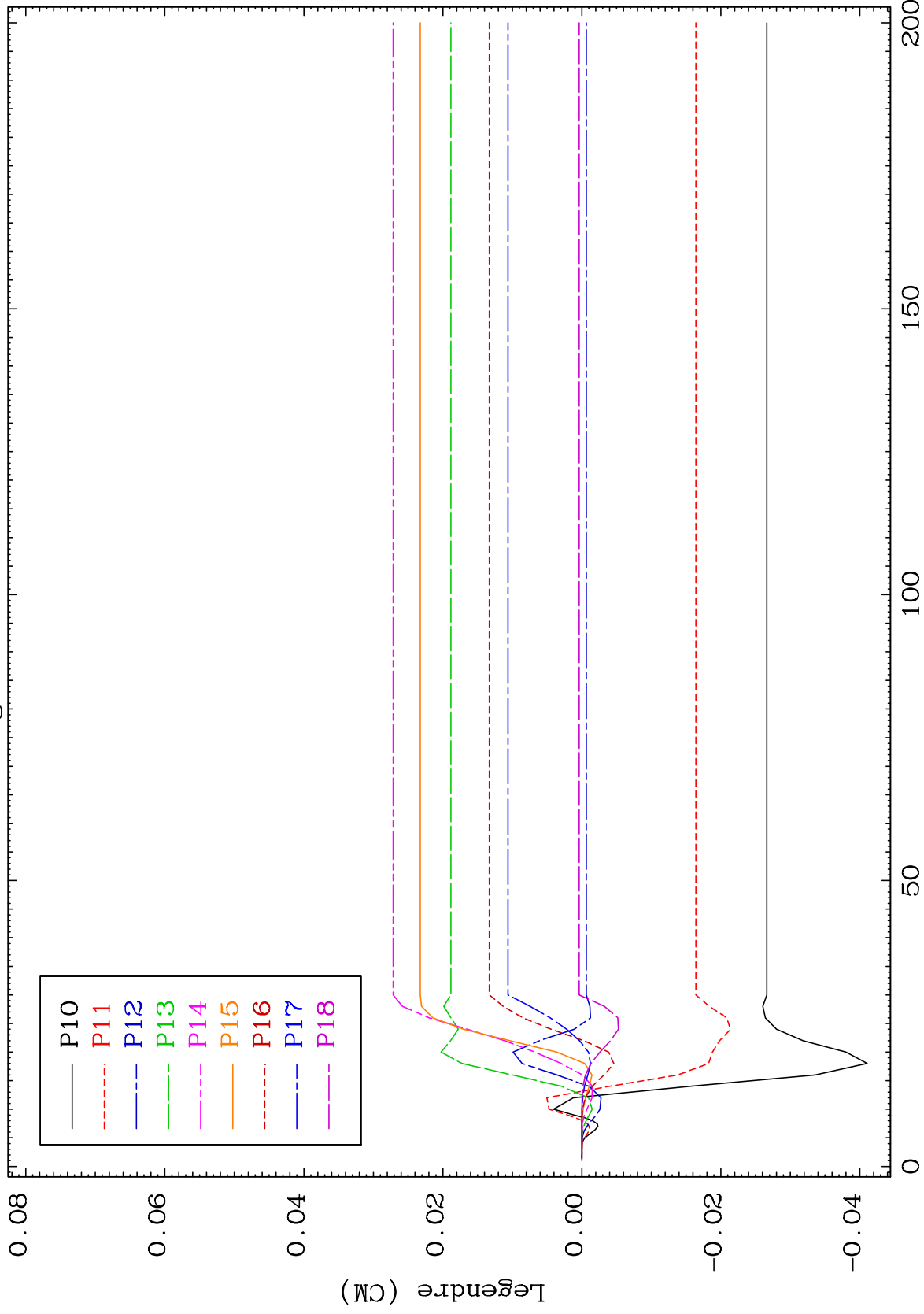




MAT 7295

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

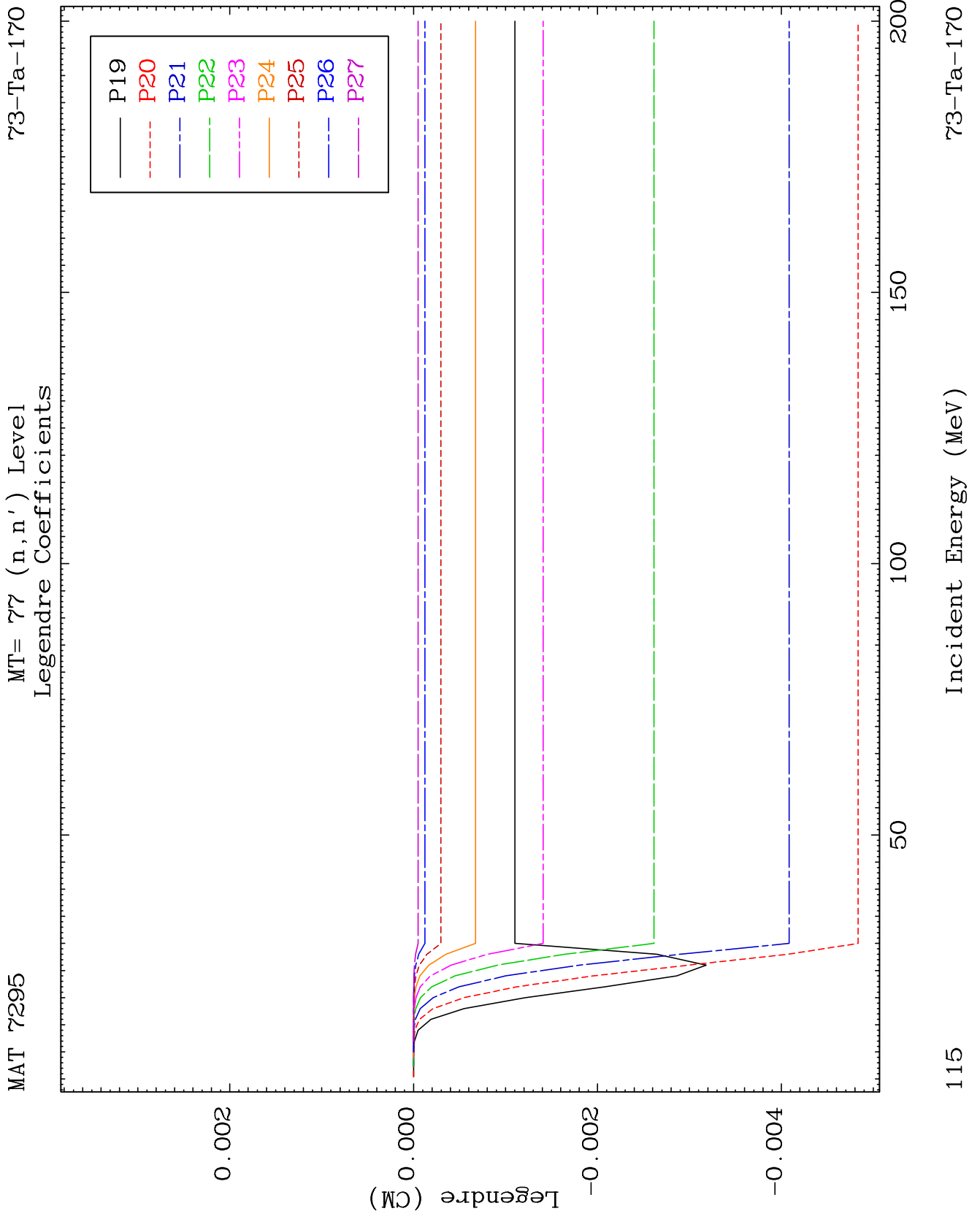
73-Ta-170

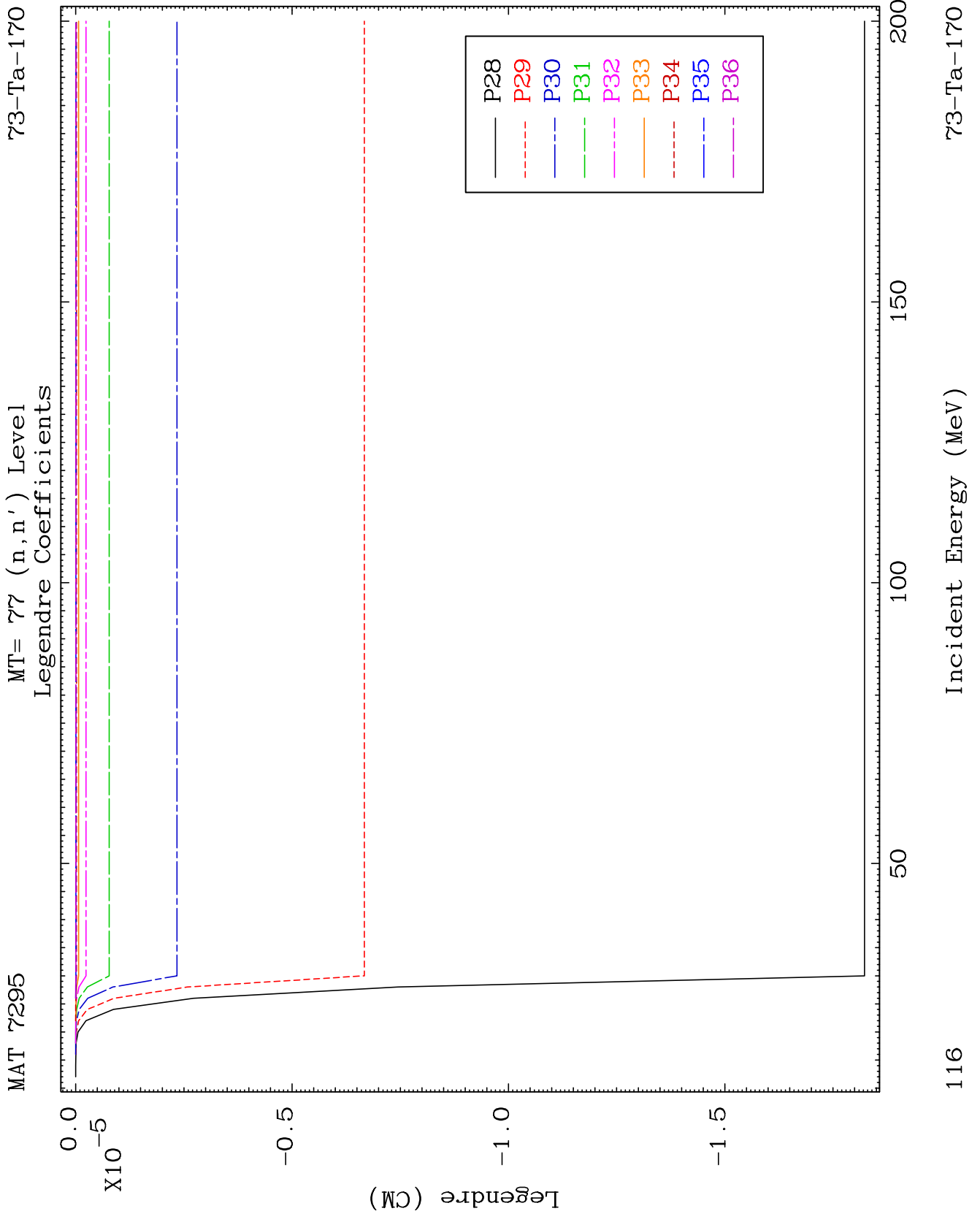


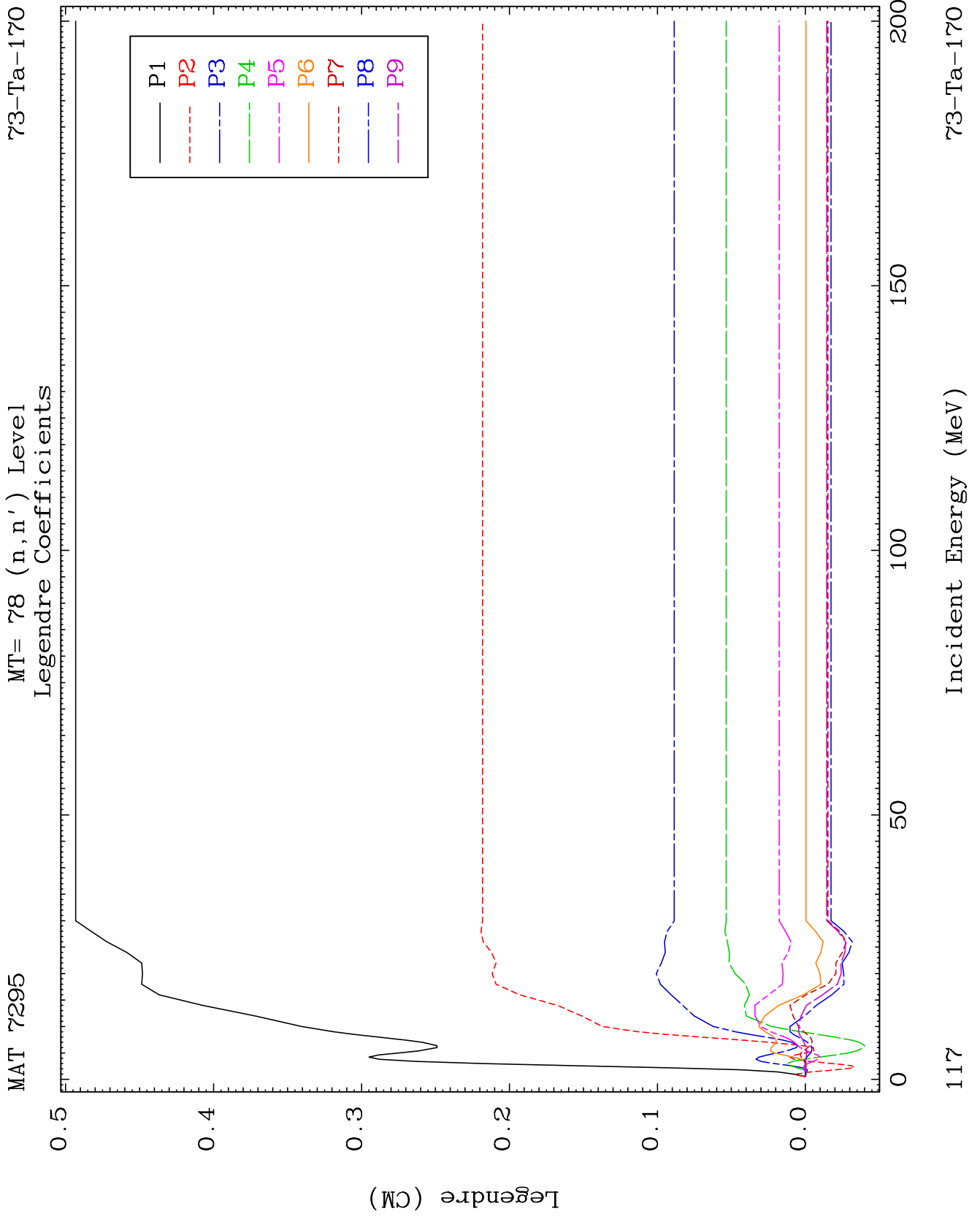
114

Incident Energy (MeV)

73-Ta-170



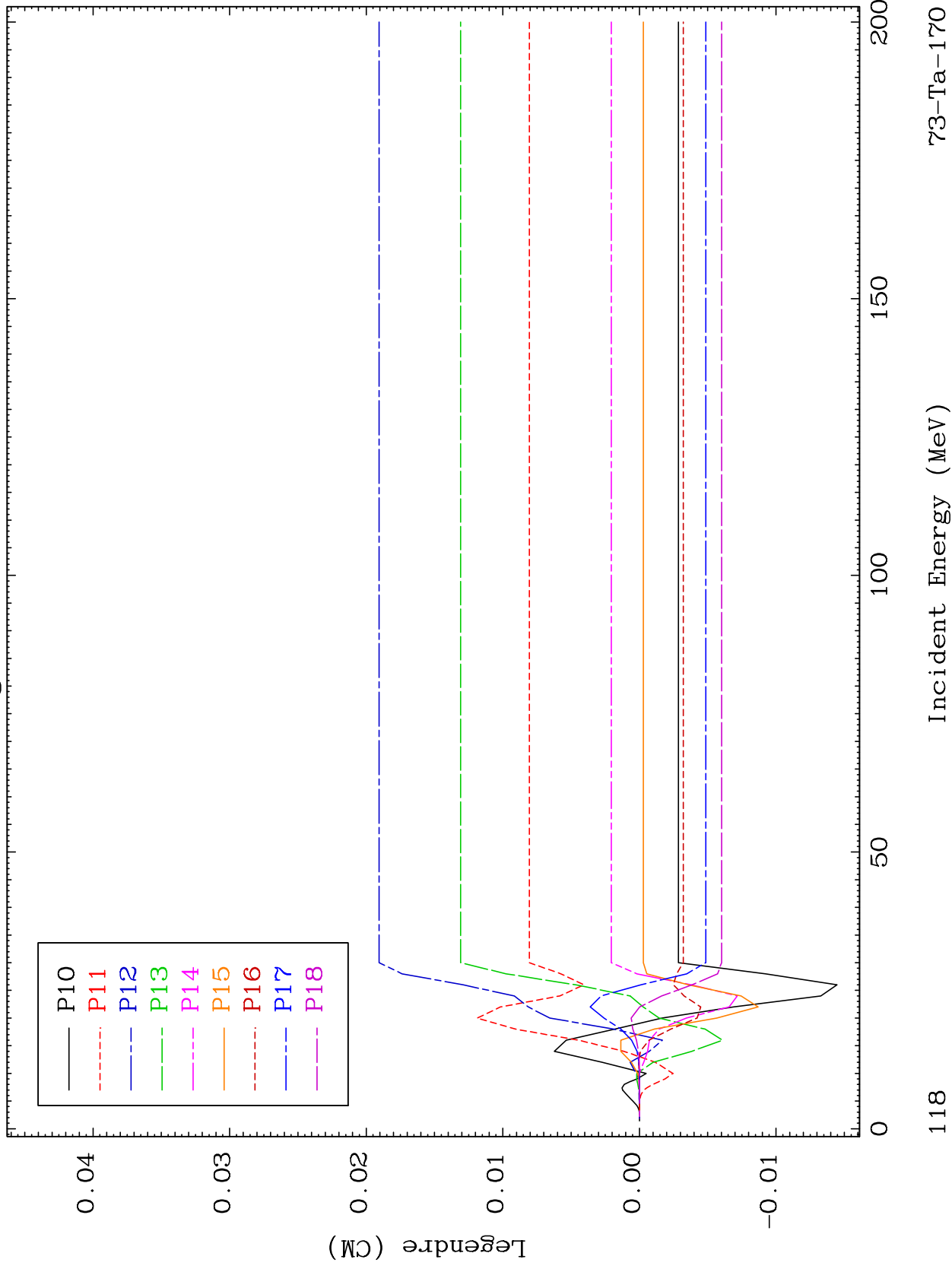




MAT 7295

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

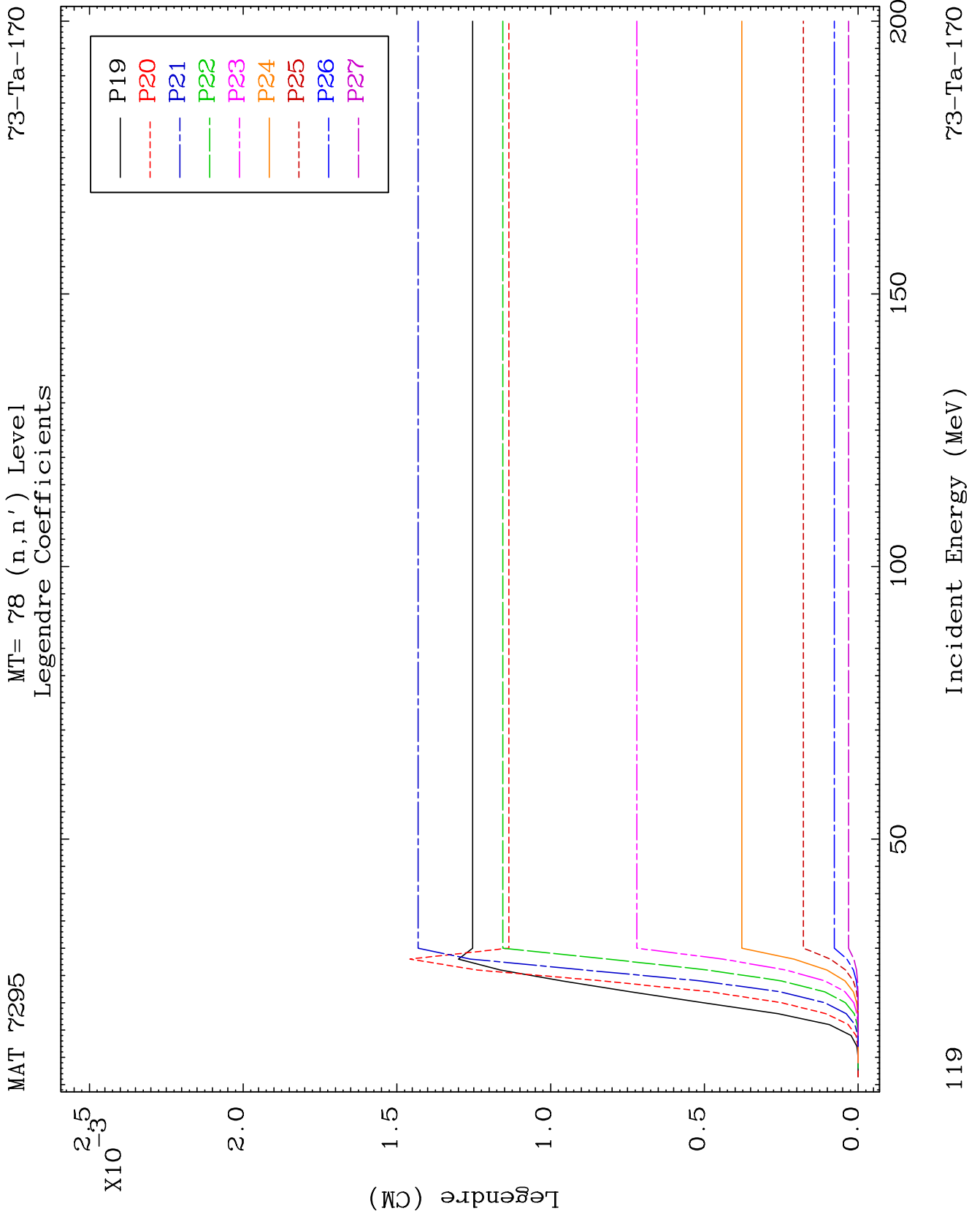
73-Ta-170

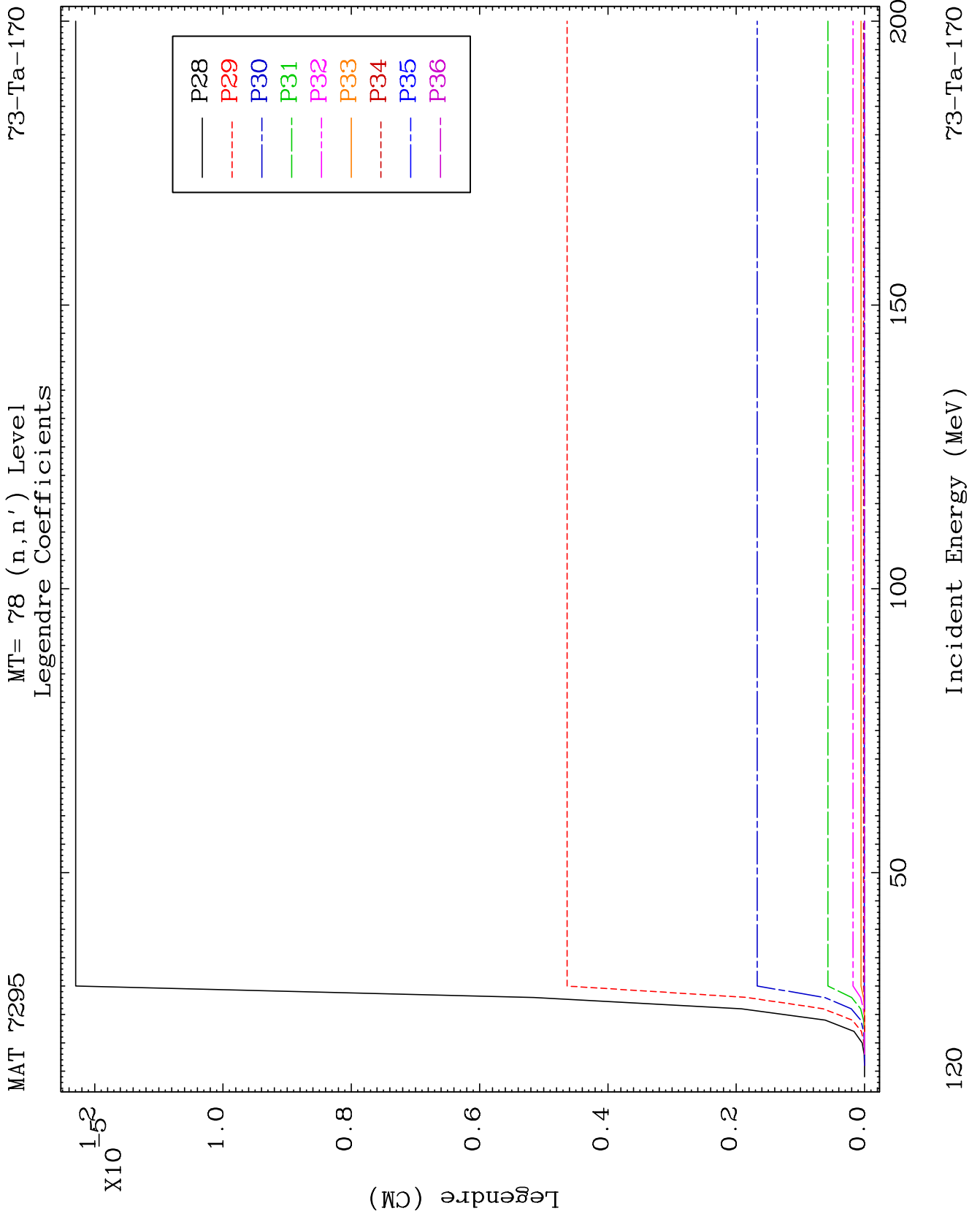


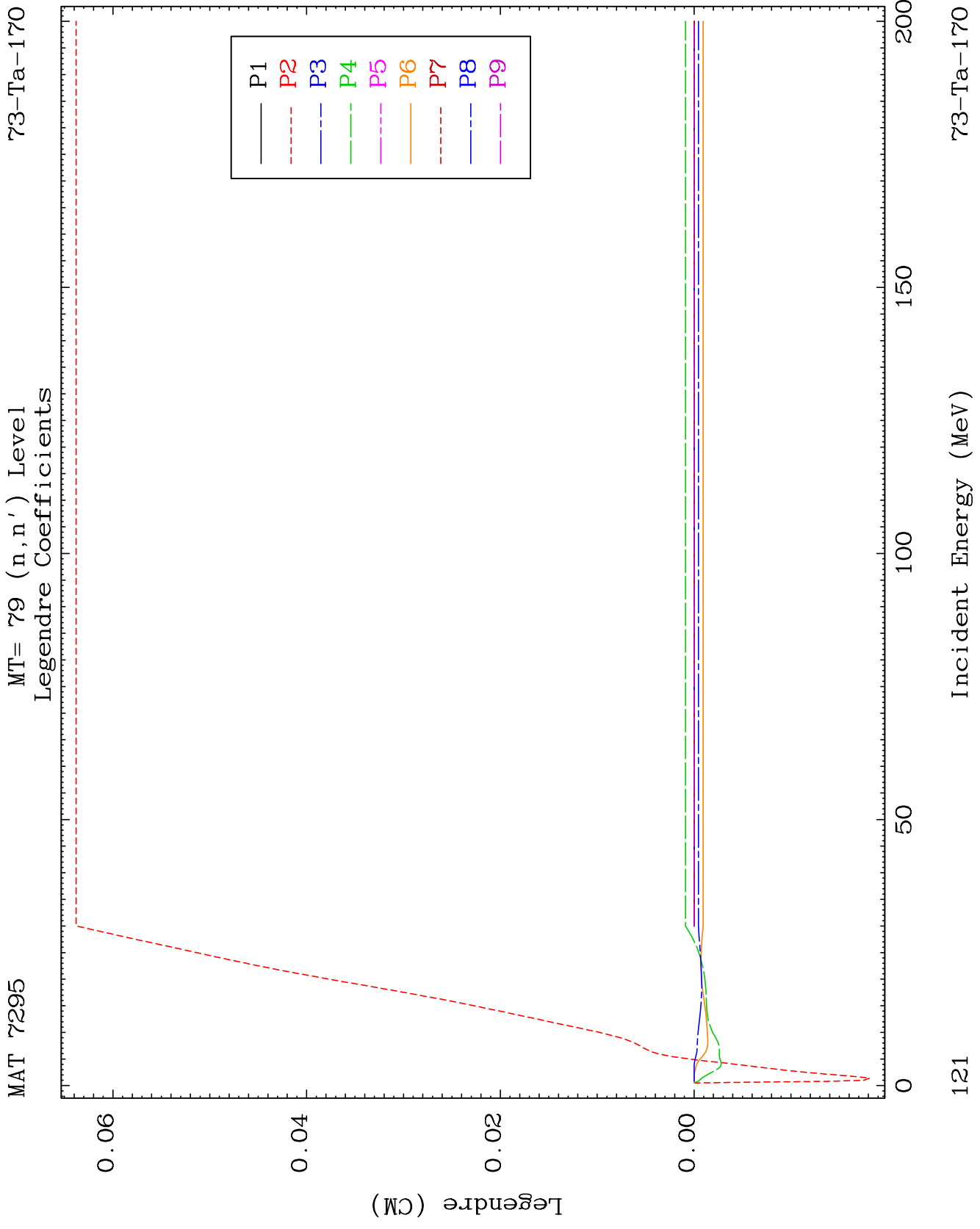
118

Incident Energy (MeV)

73-Ta-170



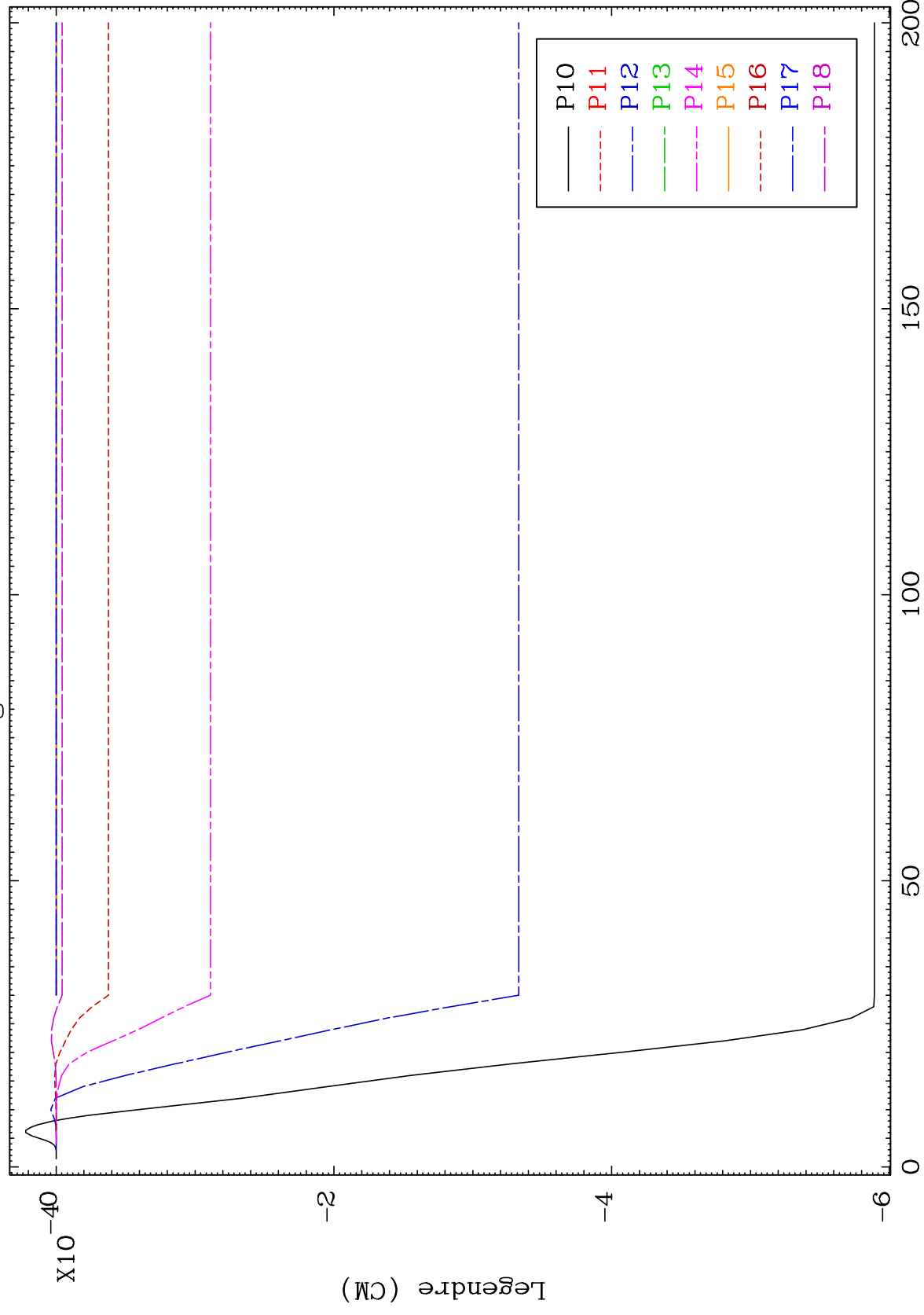




MAT 7295

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

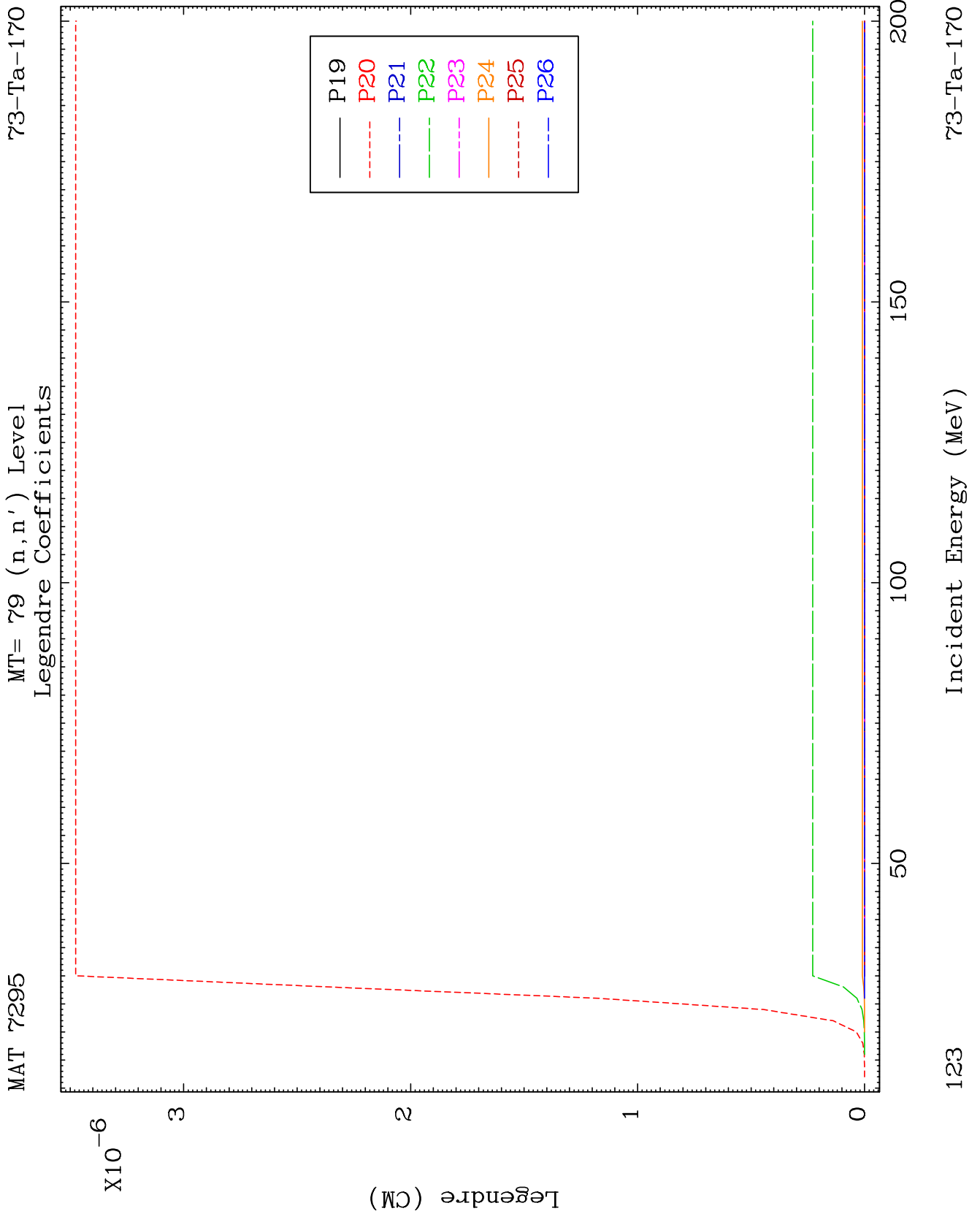
73-Ta-170



122

Incident Energy (MeV)

73-Ta-170

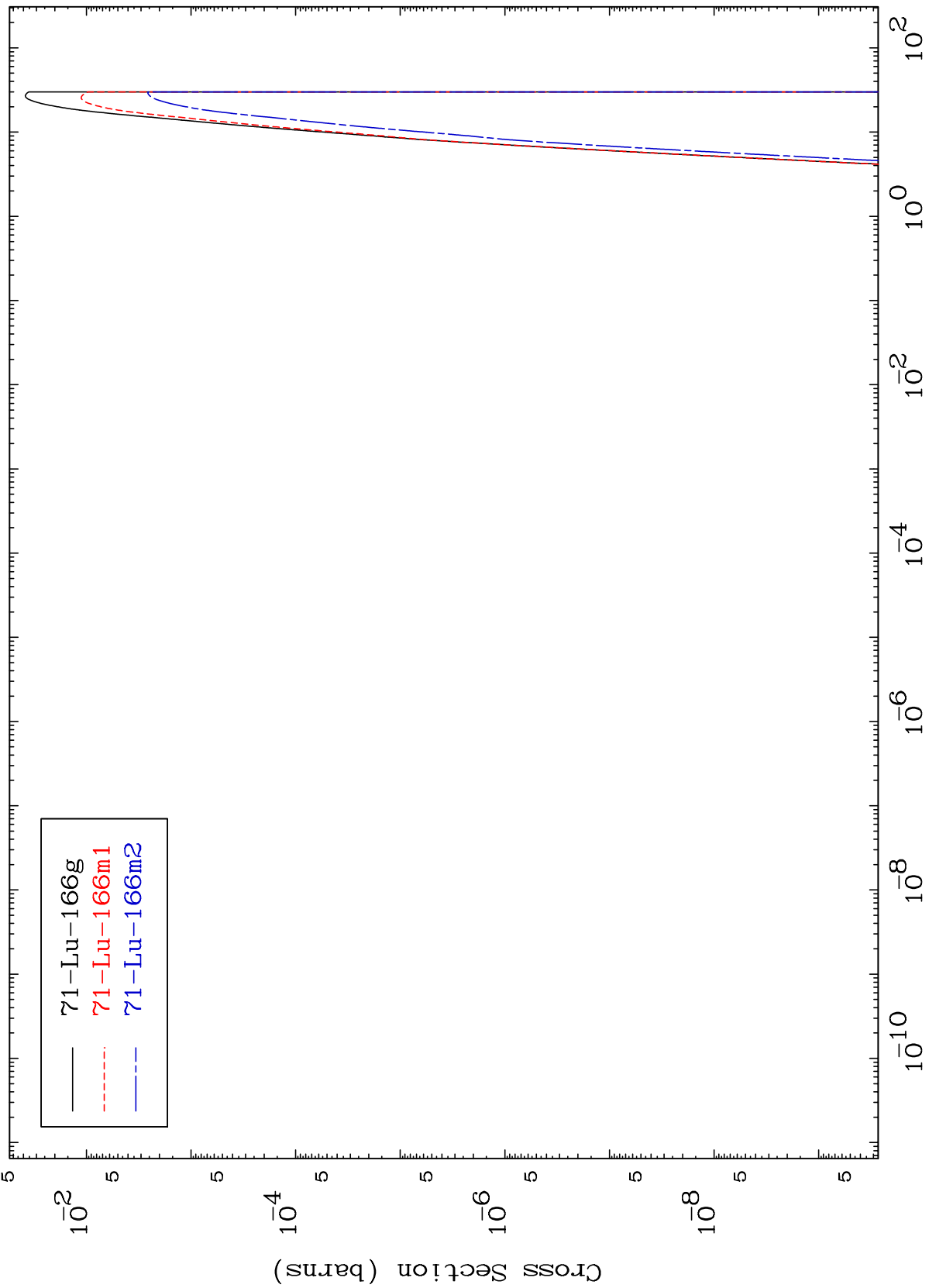


MAT 7295

$(n, n') \alpha$

73-Ta-170

Radionuclide Production Cross Section

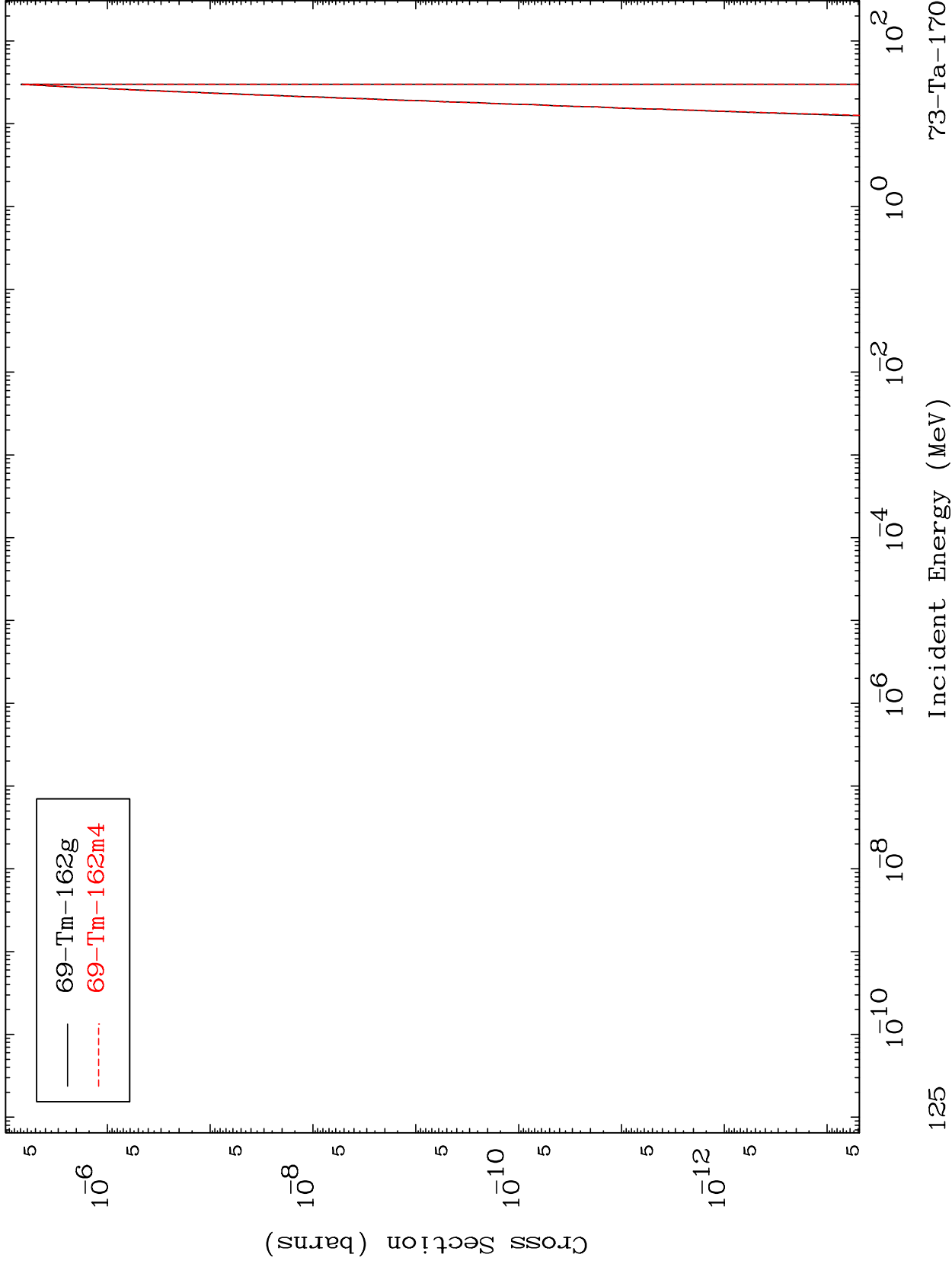


MAT 7295

(n,n') 2α

73-Ta-170

Radionuclide Production Cross Section



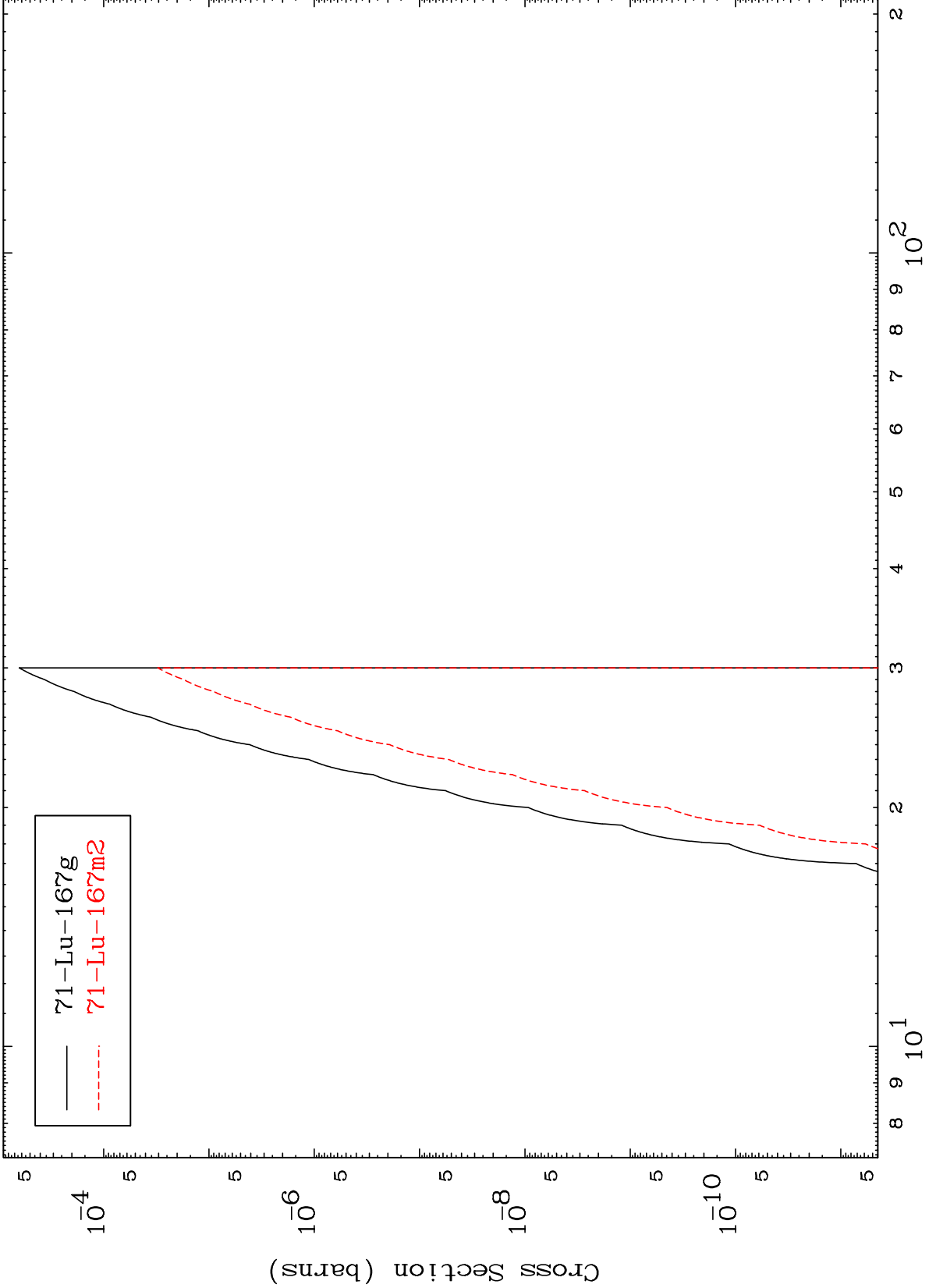
125

MAT 7295

(n,n') He-3

73-Ta-170

Radionuclide Production Cross Section



126

Incident Energy (MeV)

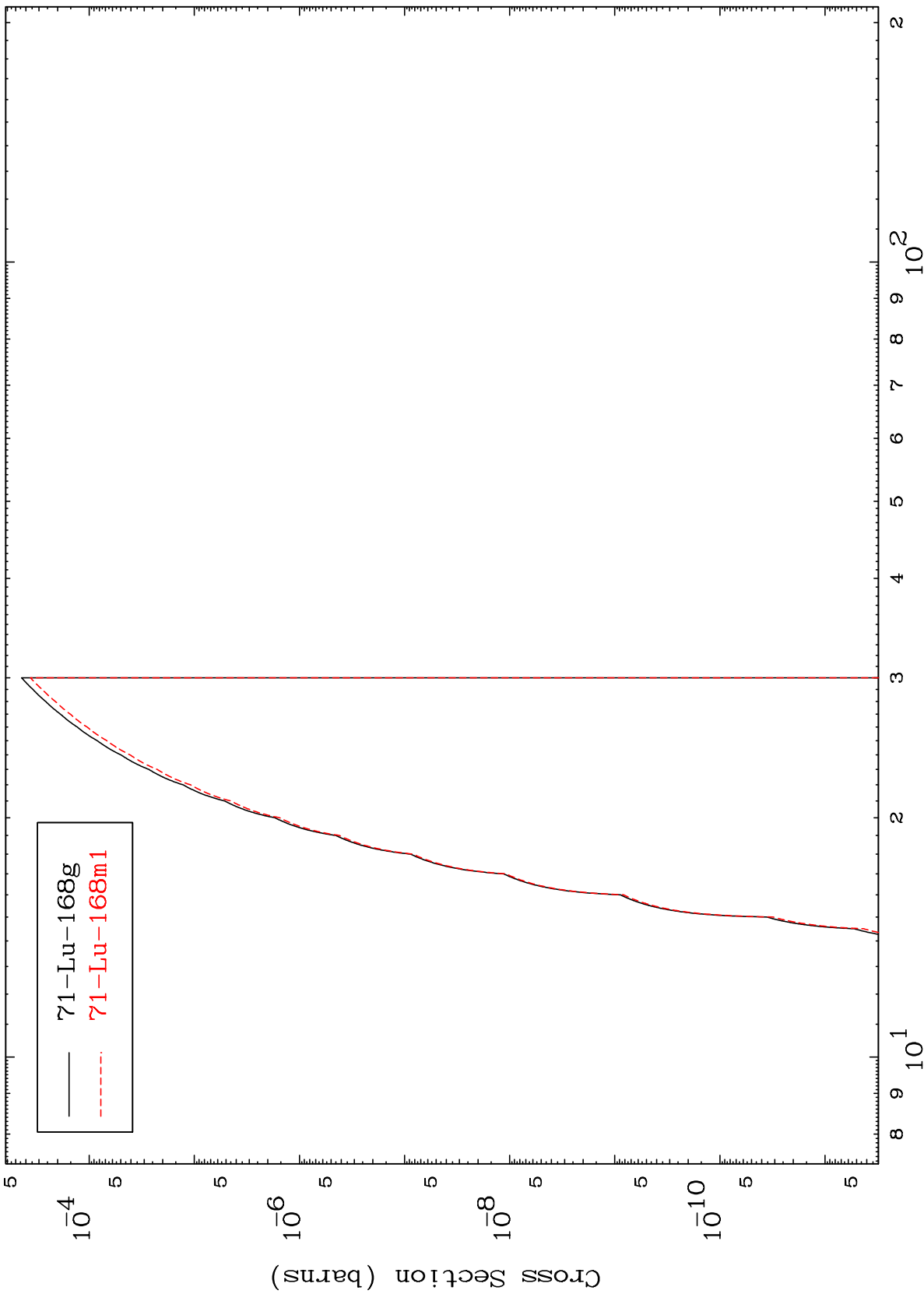
73-Ta-170

MAT 7295

(n,2n) p

73-Ta-170

Radionuclide Production Cross Section



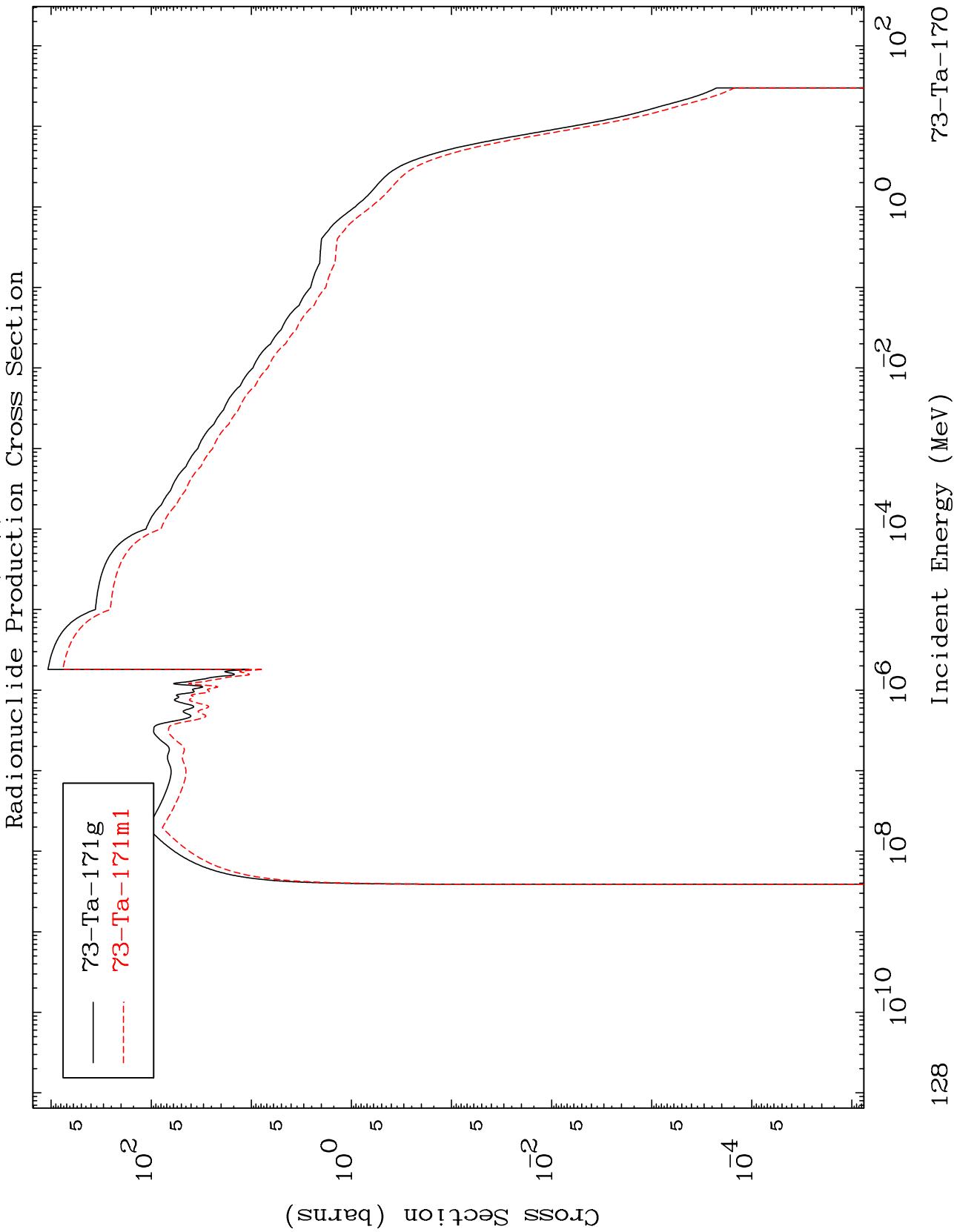
127

Incident Energy (MeV)

73-Ta-170

MAT 7295

⁷³Ta-170

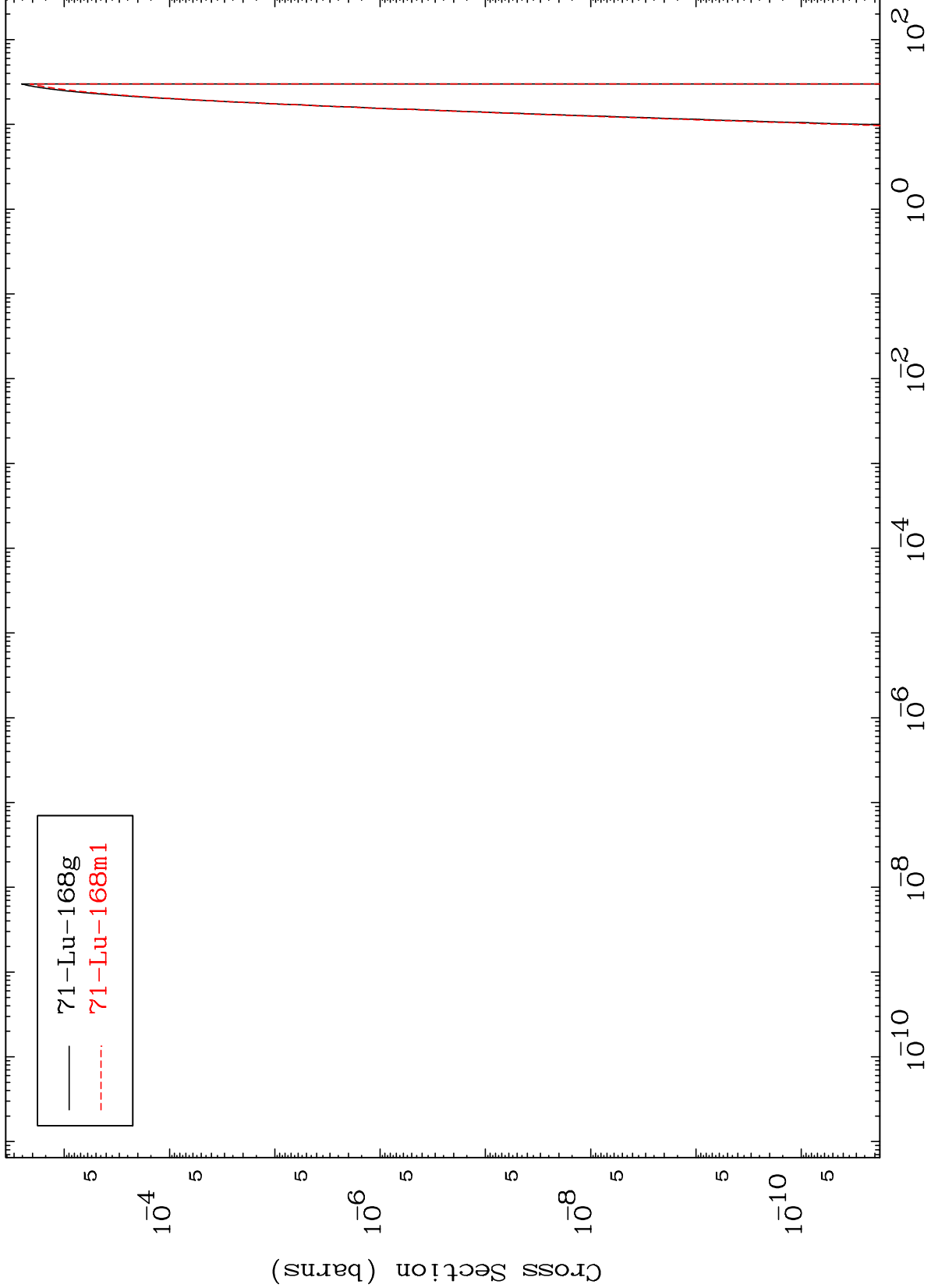


MAT 7295

(n,He-3)

73-Ta-170

Radionuclide Production Cross Section

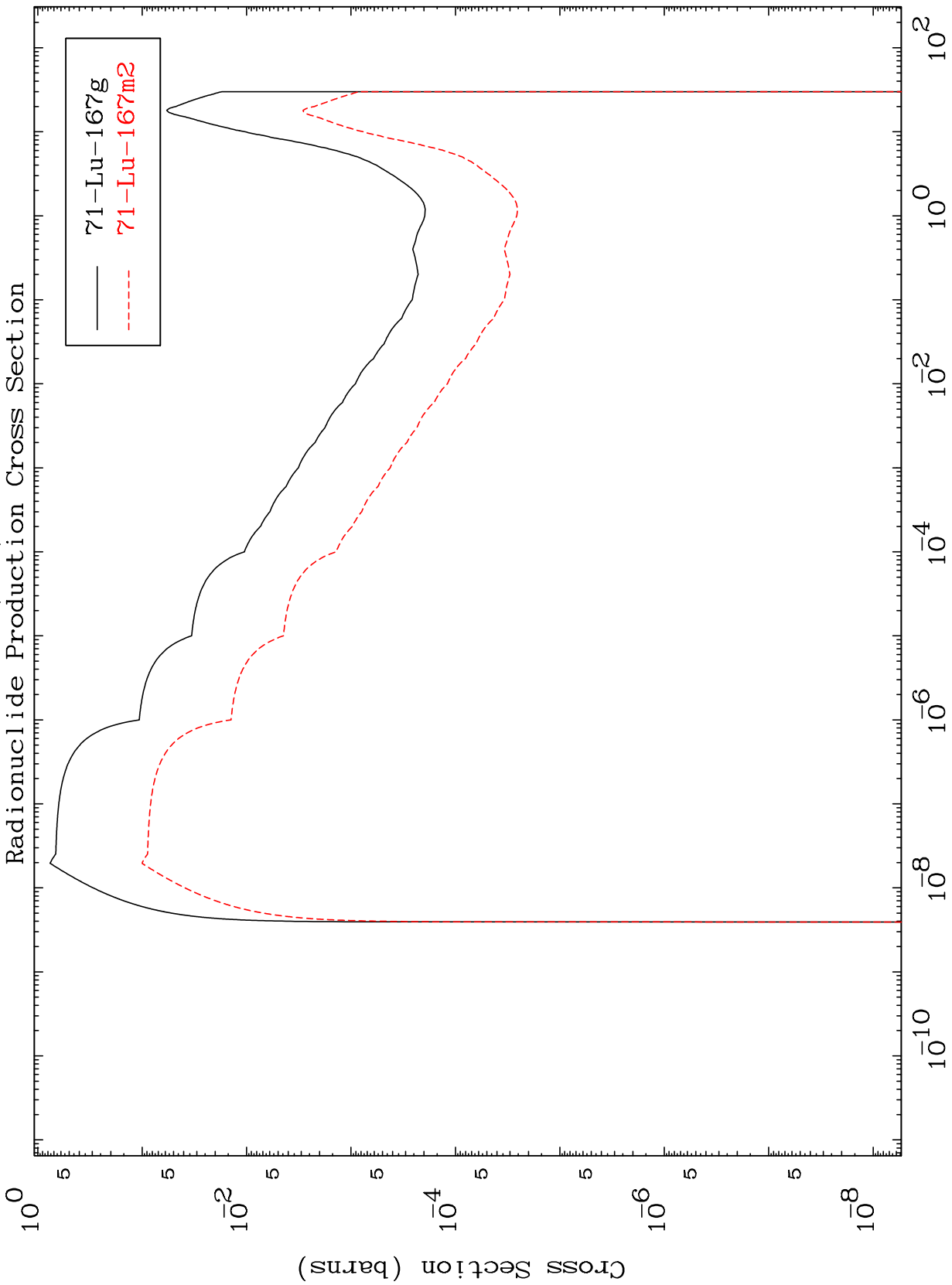


71-Lu-168g
71-Lu-168m1

MAT 7295

73-Ta-170

(n,α)
Radionuclide Production Cross Section



130

73-Ta-170

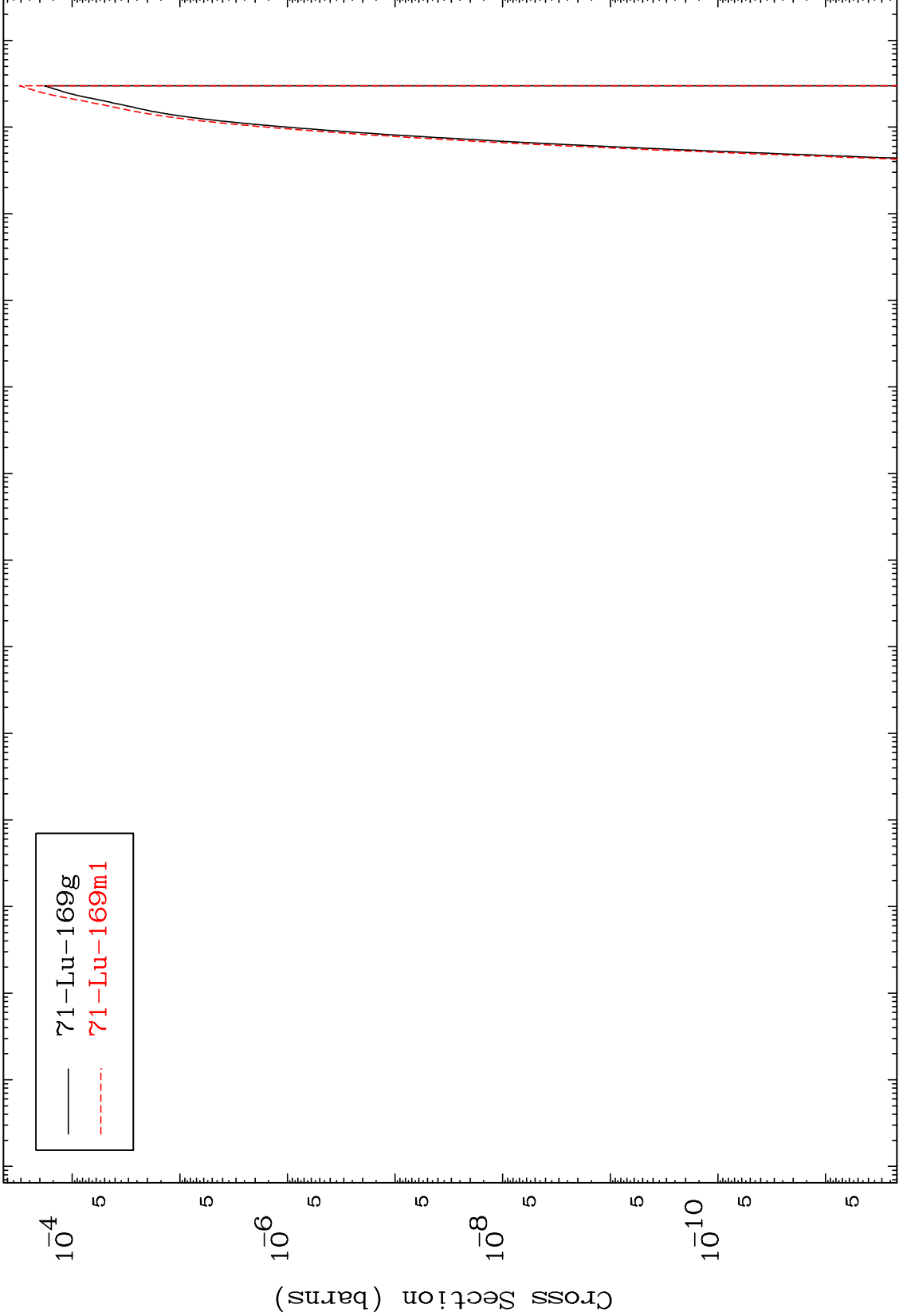
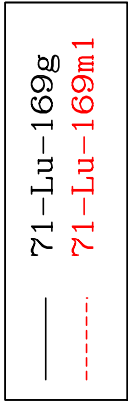
Incident Energy (MeV)

MAT 7295

(n,2p)

⁷³Ta-170

Radionuclide Production Cross Section



⁷³Ta-170

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10⁰

10²

Incident Energy (MeV)

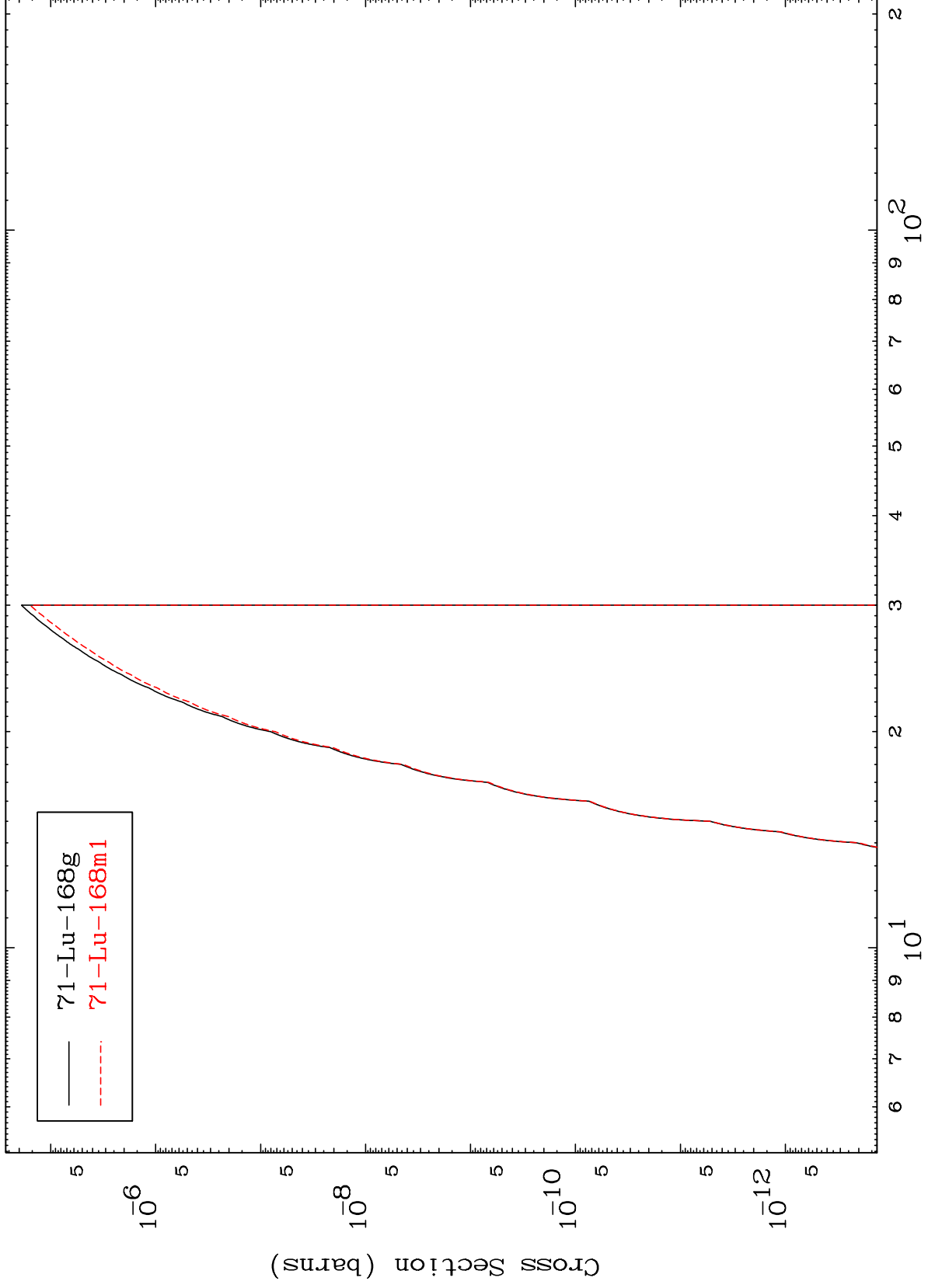
131

MAT 7295

(n,p) d

⁷³Ta-170

Radionuclide Production Cross Section



132

Incident Energy (MeV)

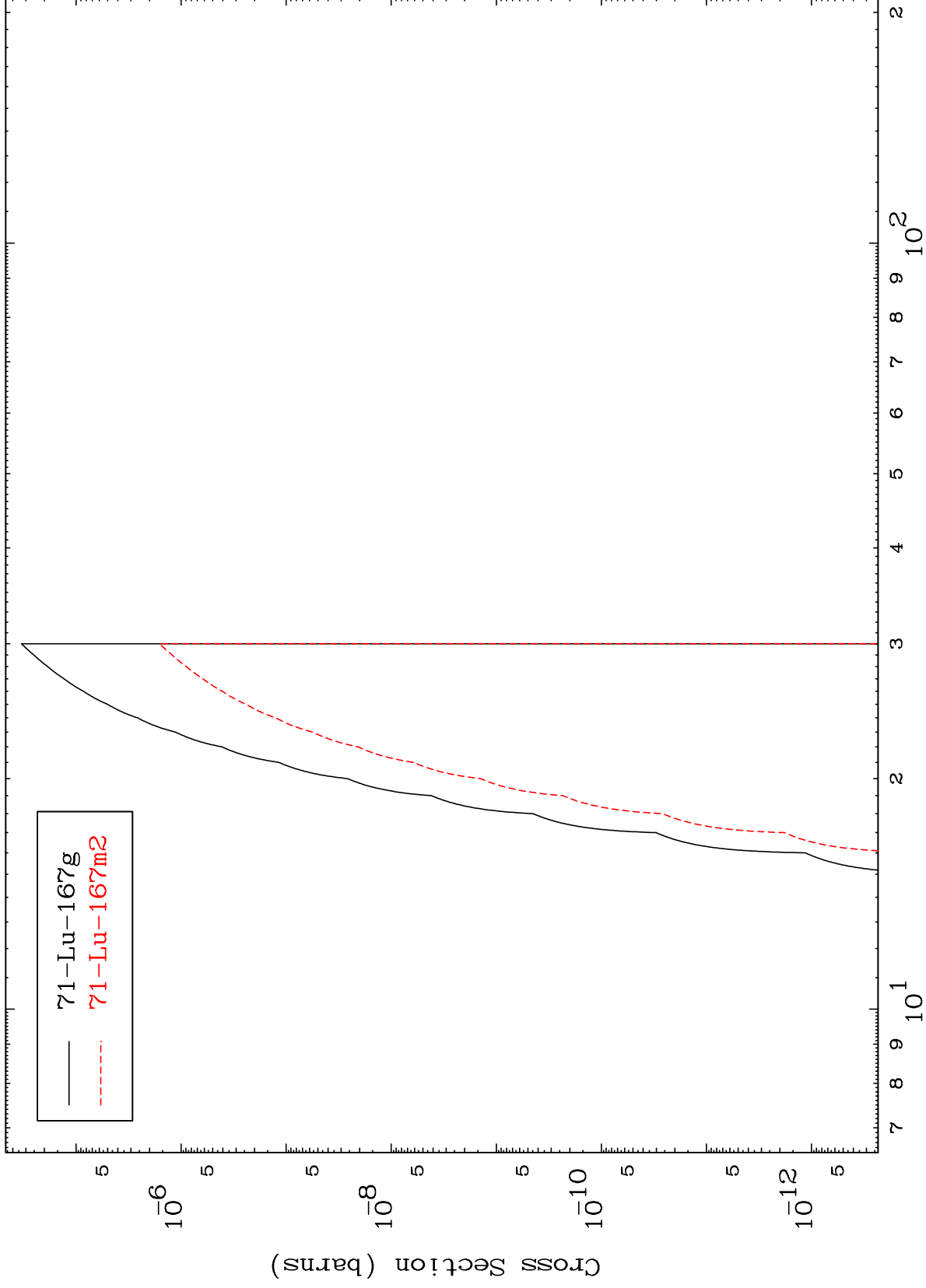
⁷³Ta-170

MAT 7295

(n,p) t

73-Ta-170

Radionuclide Production Cross Section



133

Incident Energy (MeV)

73-Ta-170