

Program EVALPLOT
(Version 2017-1)

by

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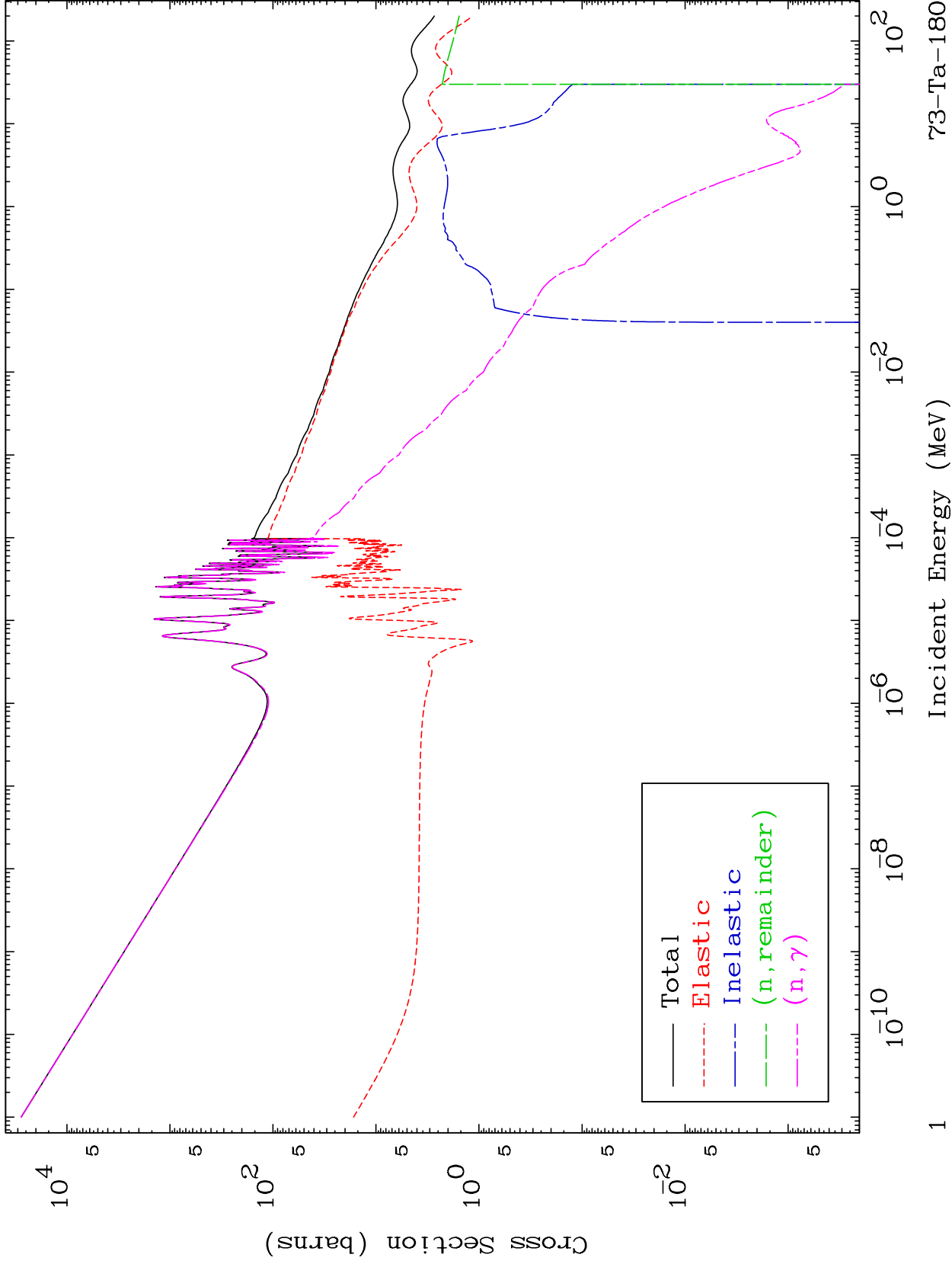
Press Mouse Button to Start

MAT 7325

Major

293 Kelvin Cross Sections

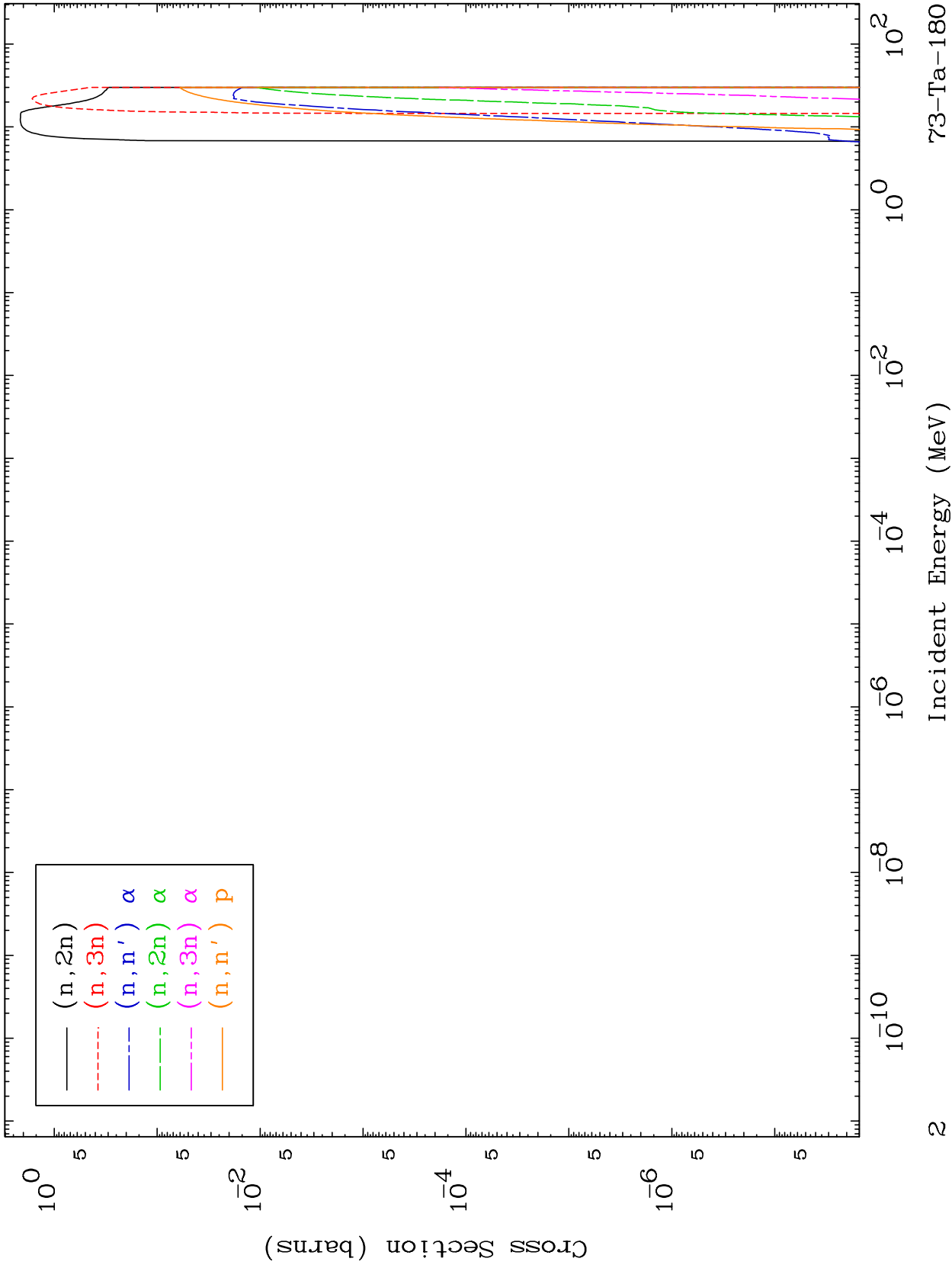
73-Ta-180



MAT 7325

Neutron Production
293 Kelvin Cross Sections

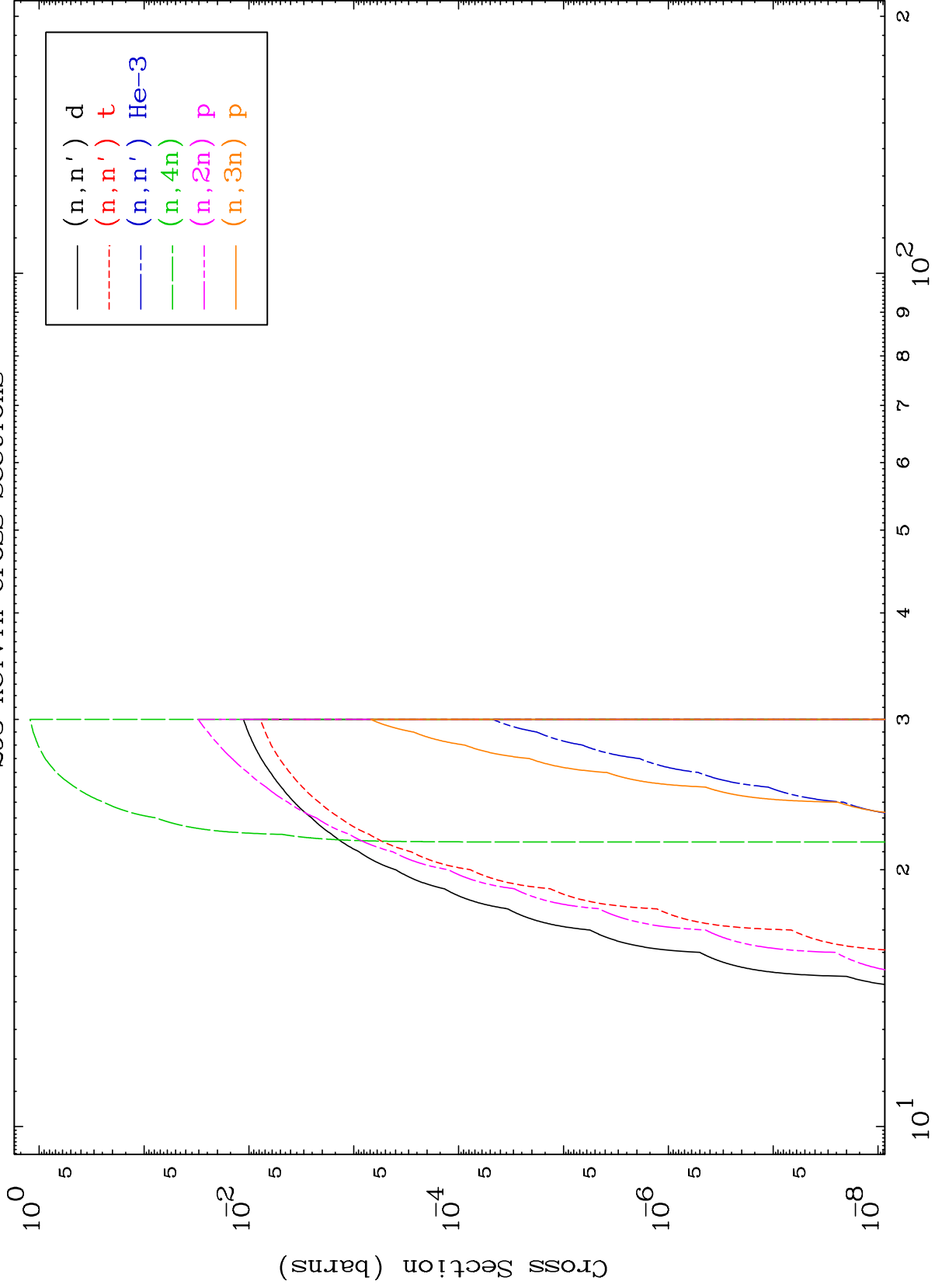
73-Ta-180



MAT 7325

Neutron Production
293 Kelvin Cross Sections

73-Ta-180



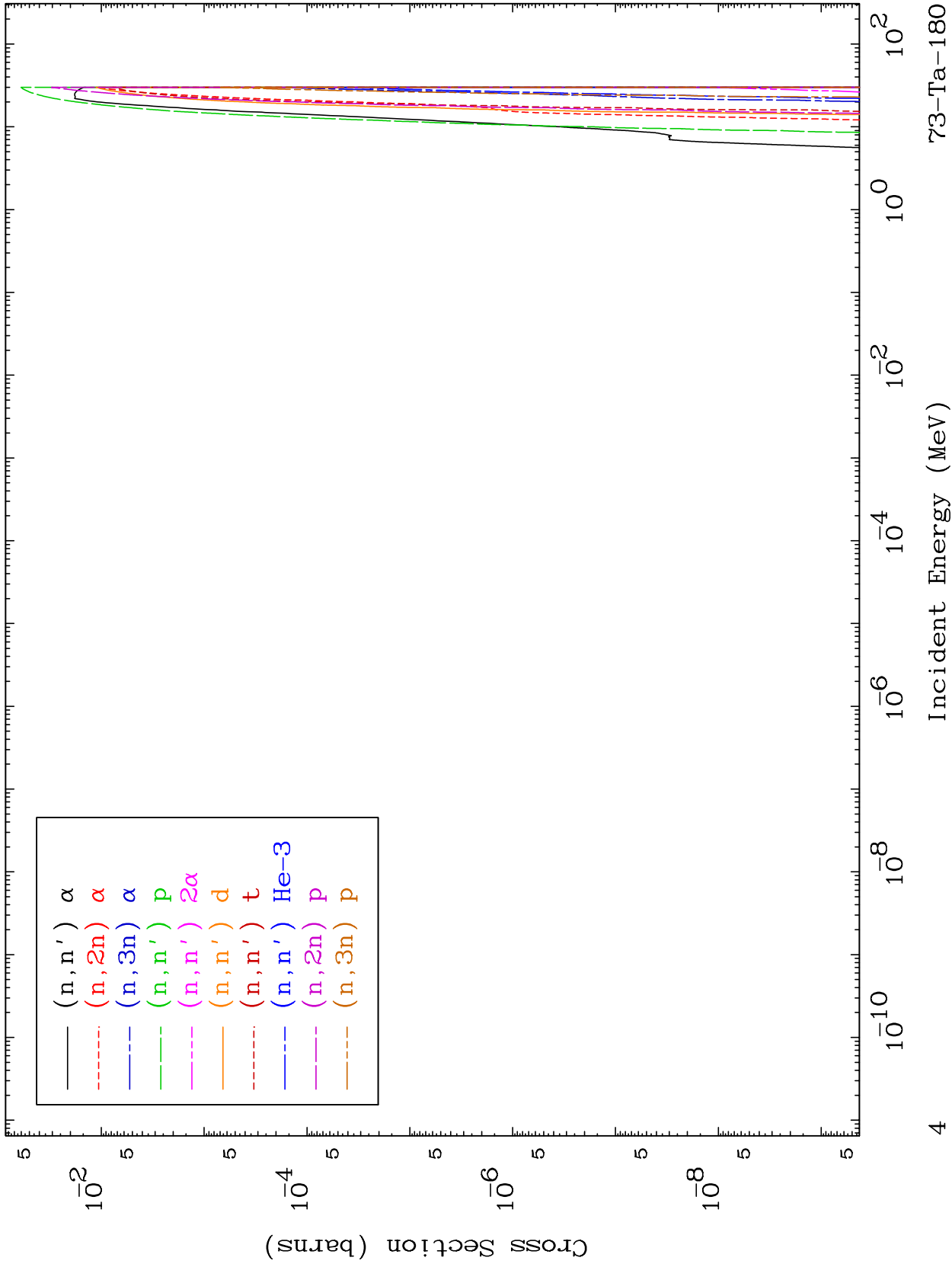
Incident Energy (MeV)

73-Ta-180

MAT 7325

Charged Particle
293 Kelvin Cross Sections

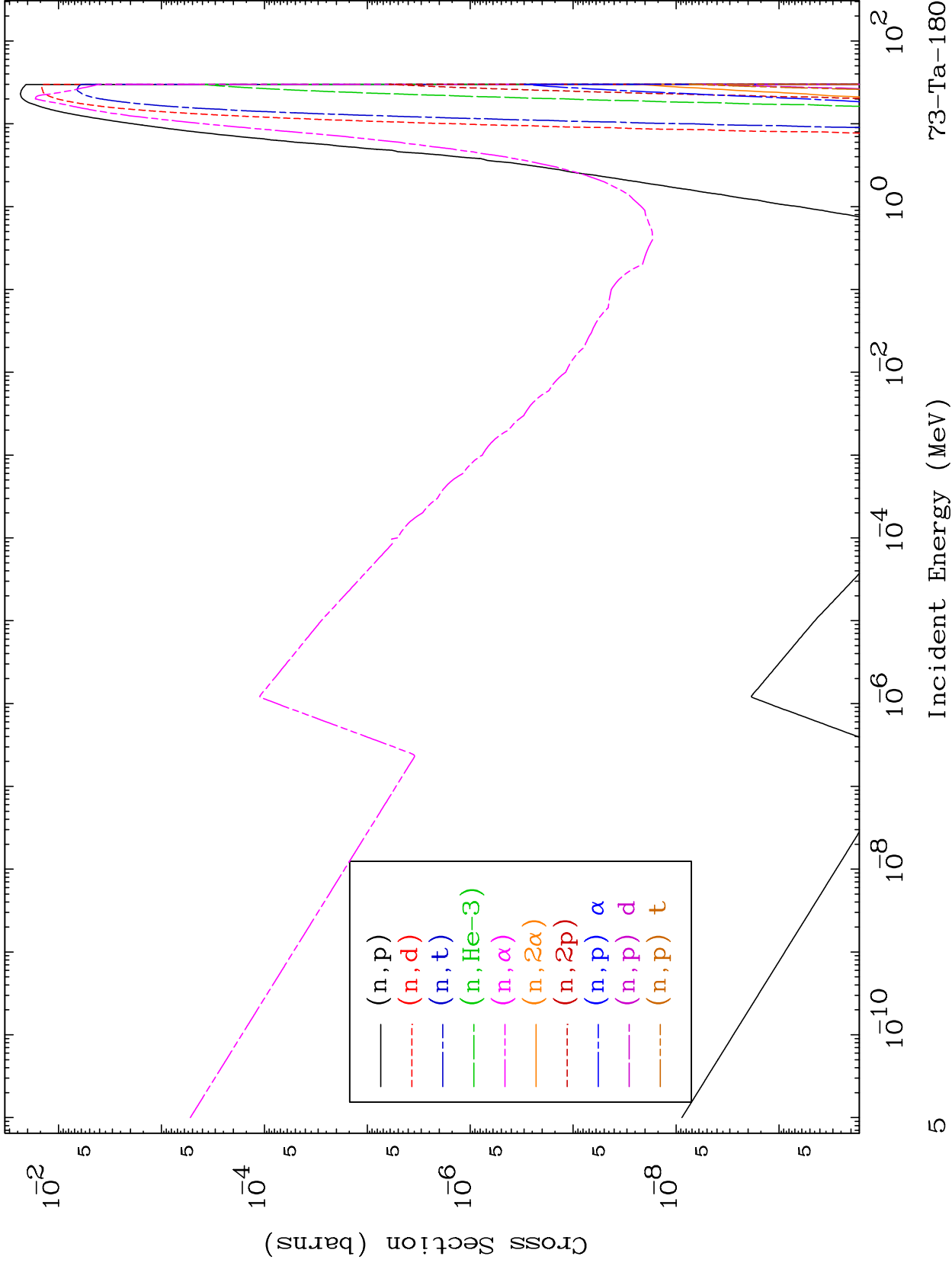
73-Ta-180



MAT 7325

Charged Particle
293 Kelvin Cross Sections

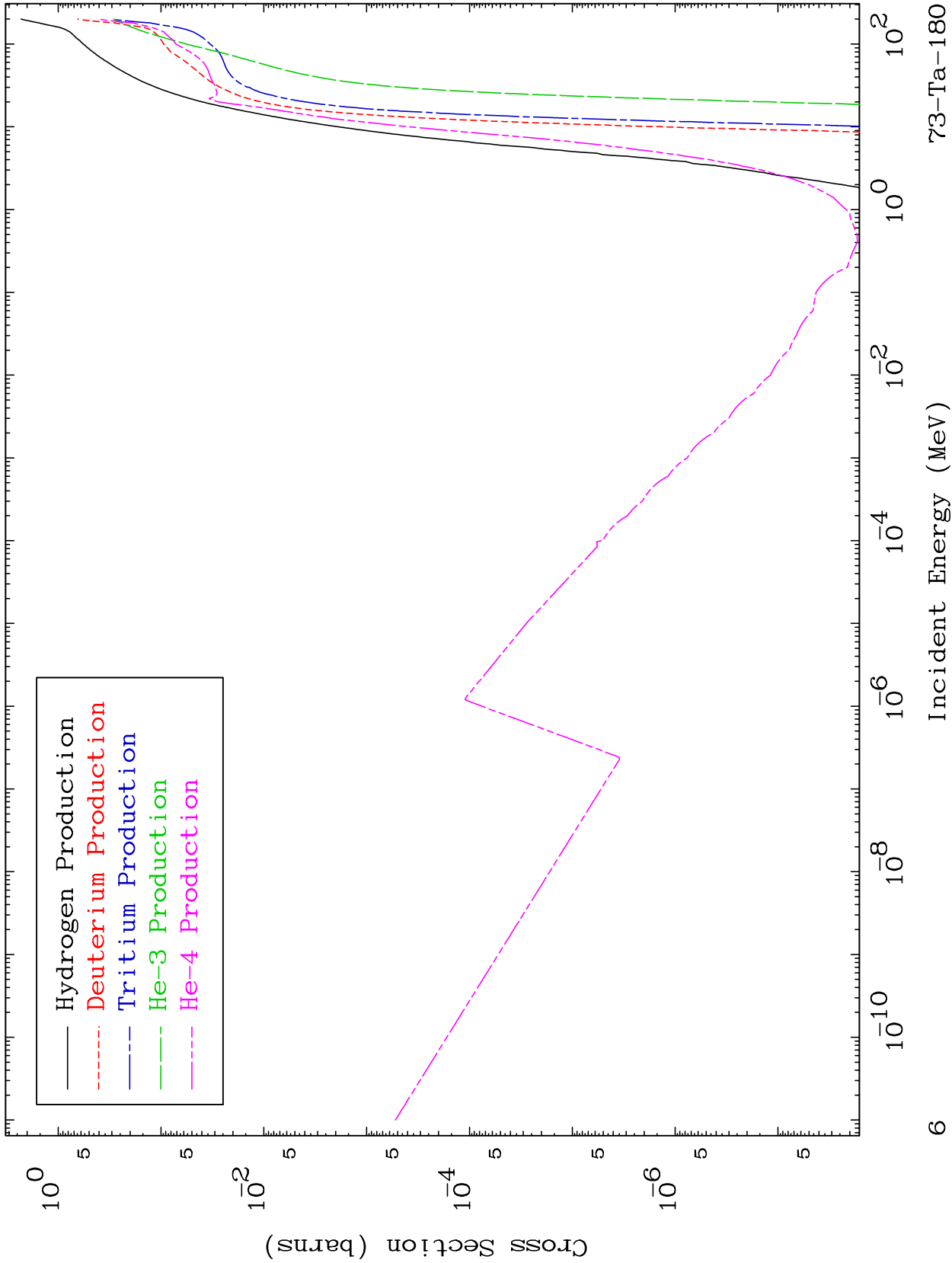
73-Ta-180



MAT 7325

Particle Production
293 Kelvin Cross Sections

73-Ta-180

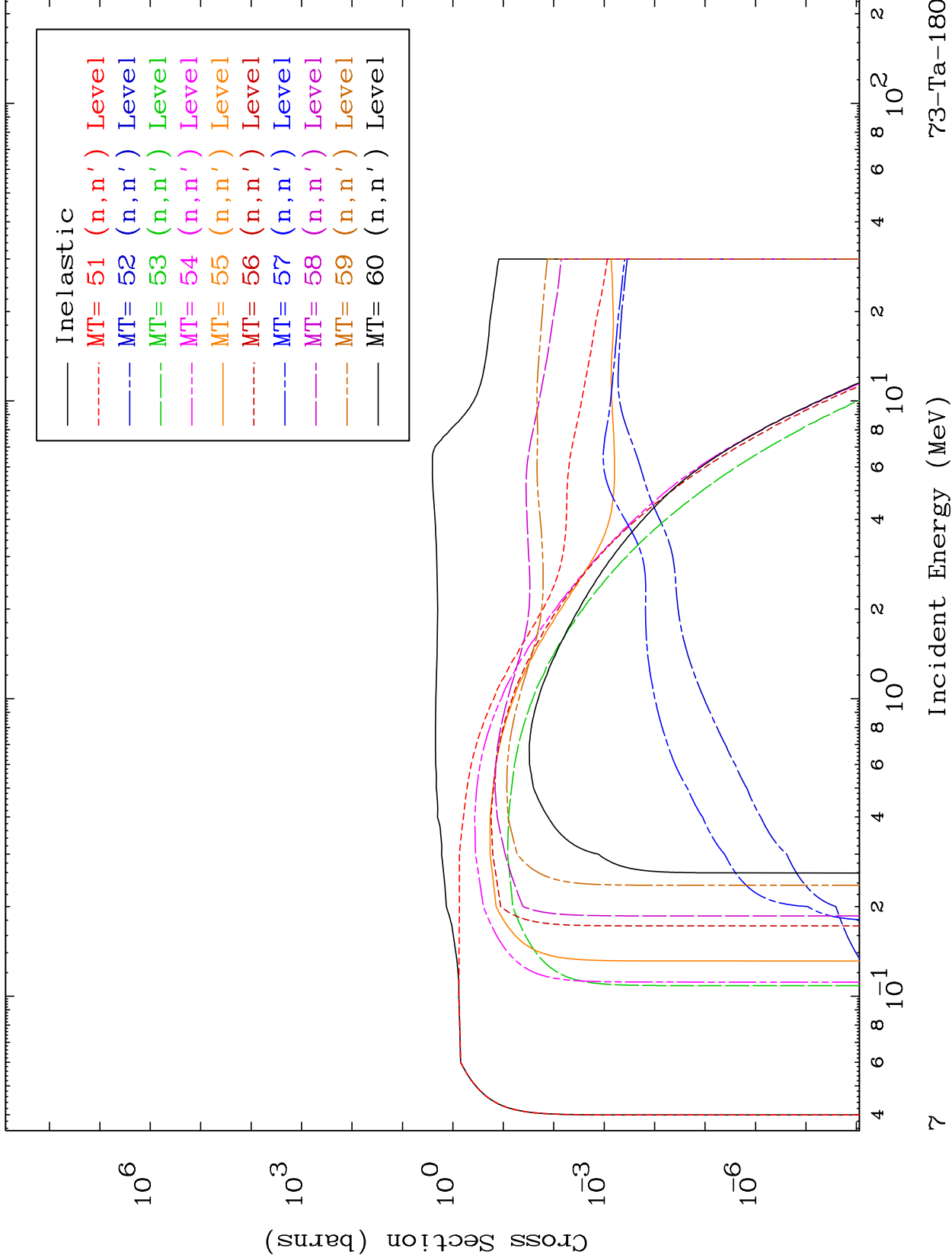


MAT 7325

(n,n') Level

73-Ta-180

293 Kelvin Cross Sections

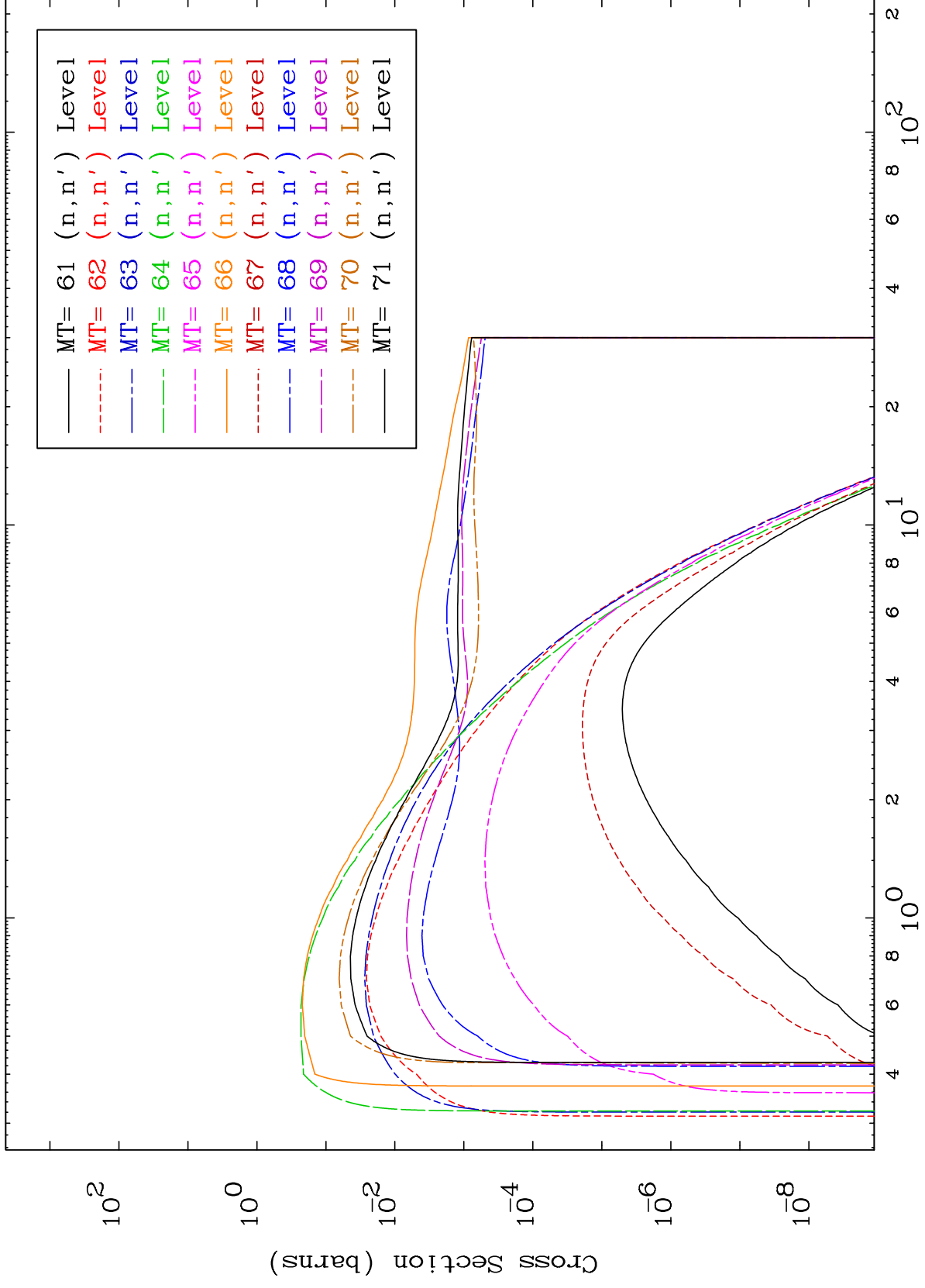


MAT 7325

(n,n') Level

73-Ta-180

293 Kelvin Cross Sections

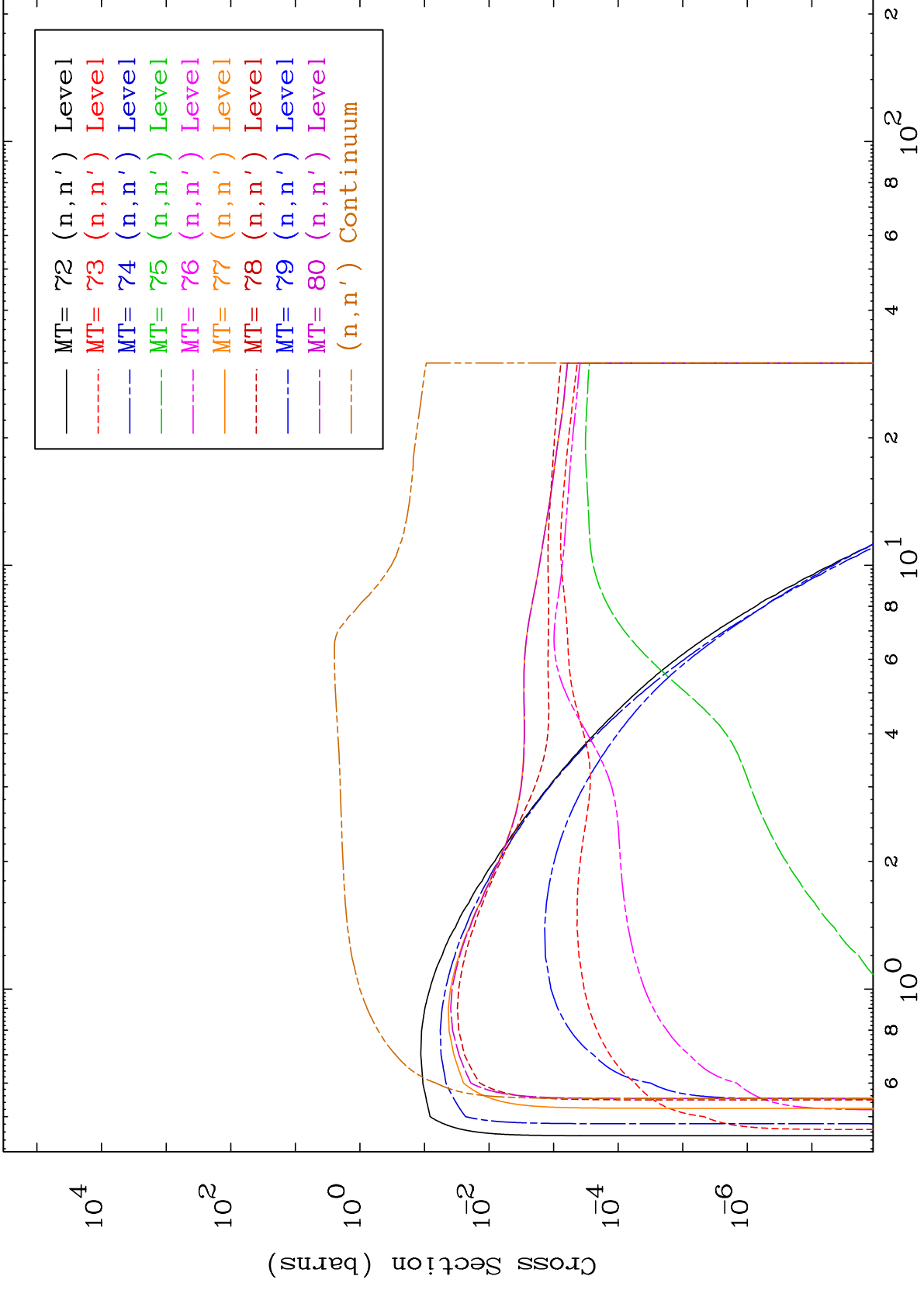


8

Incident Energy (MeV)

73-Ta-180

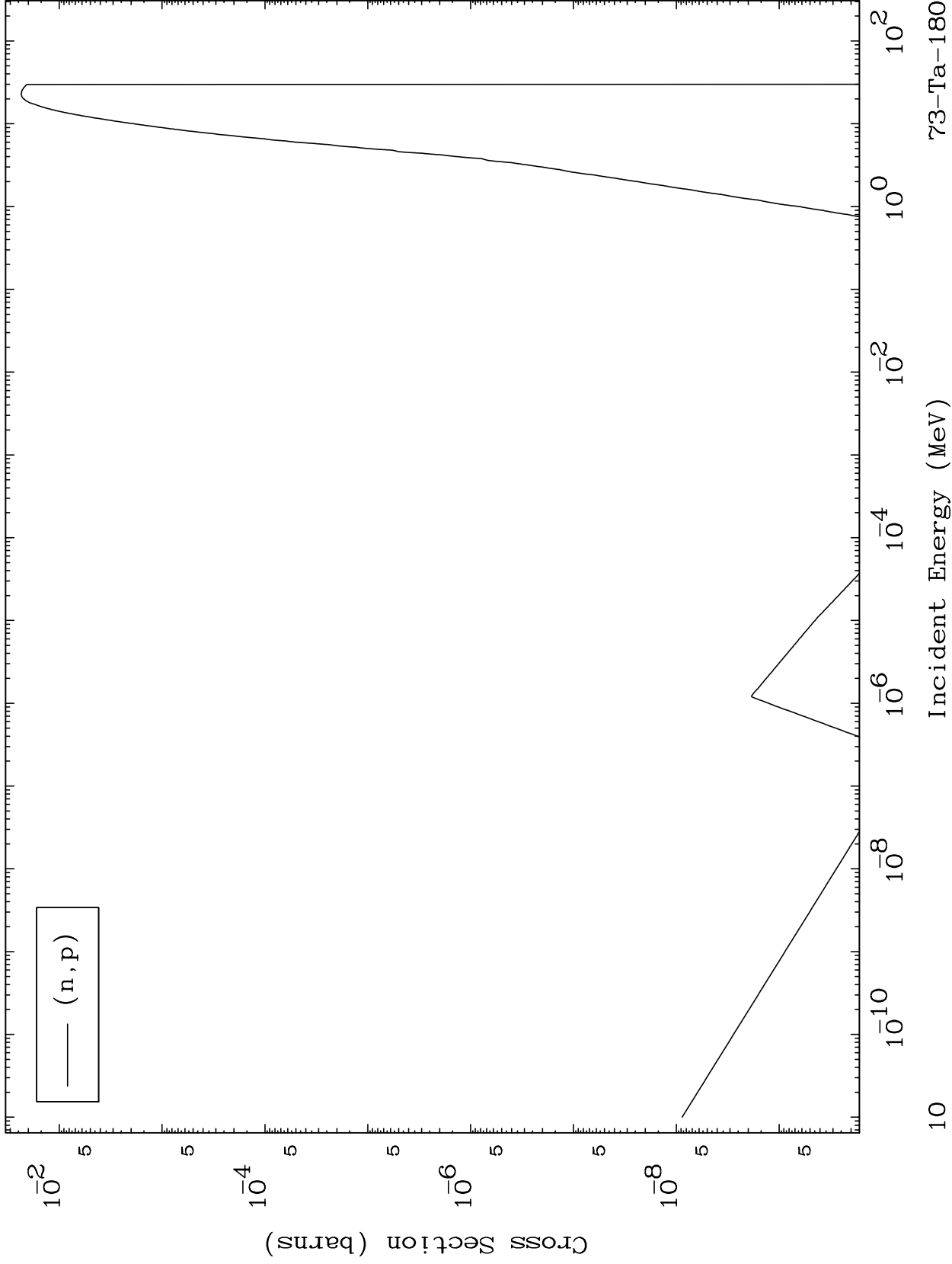
293 Kelvin Cross Sections



MAT 7325

(n,p) Levels
293 Kelvin Cross Sections

⁷³Ta-180



10

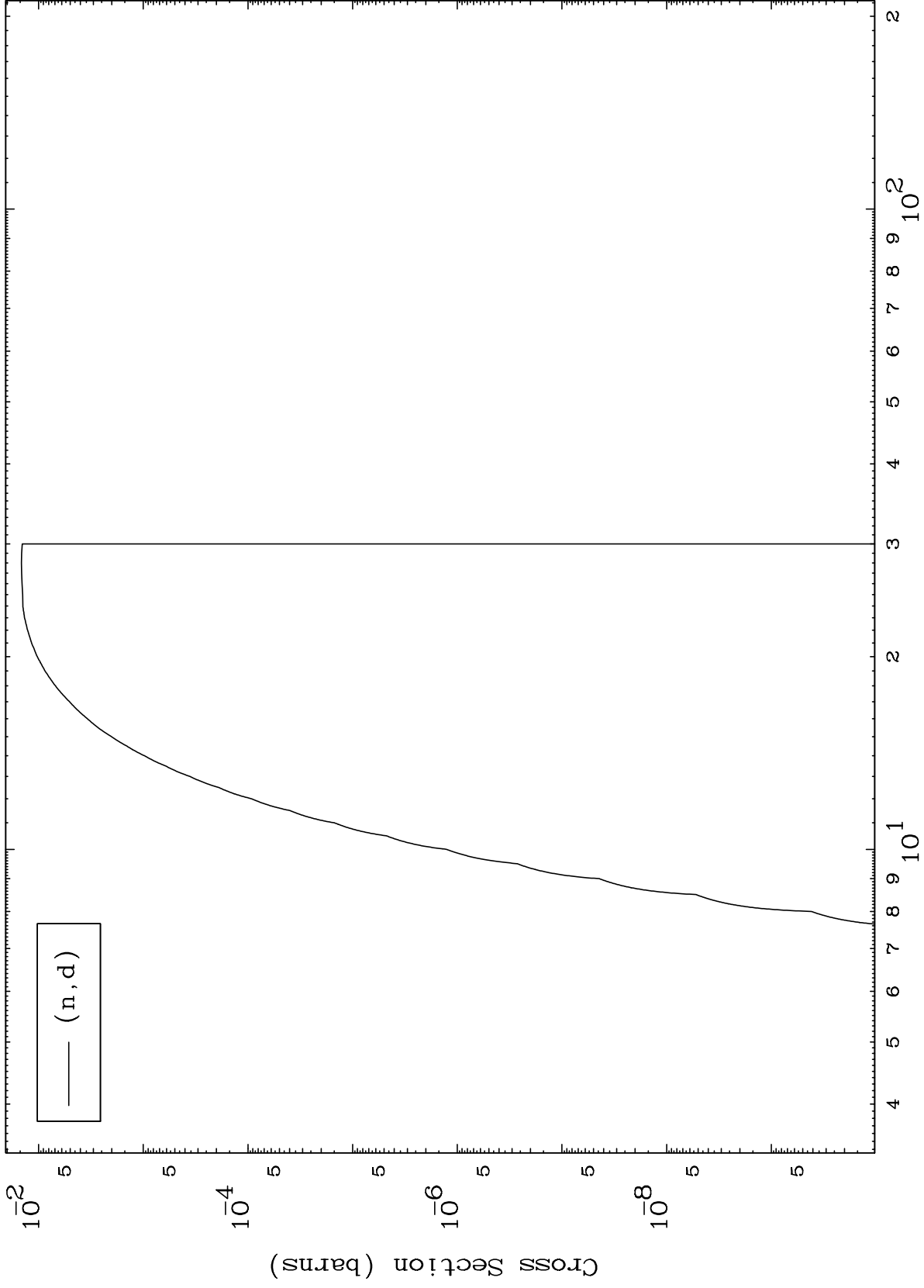
Incident Energy (MeV)

⁷³Ta-180

MAT 7325

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-180



11

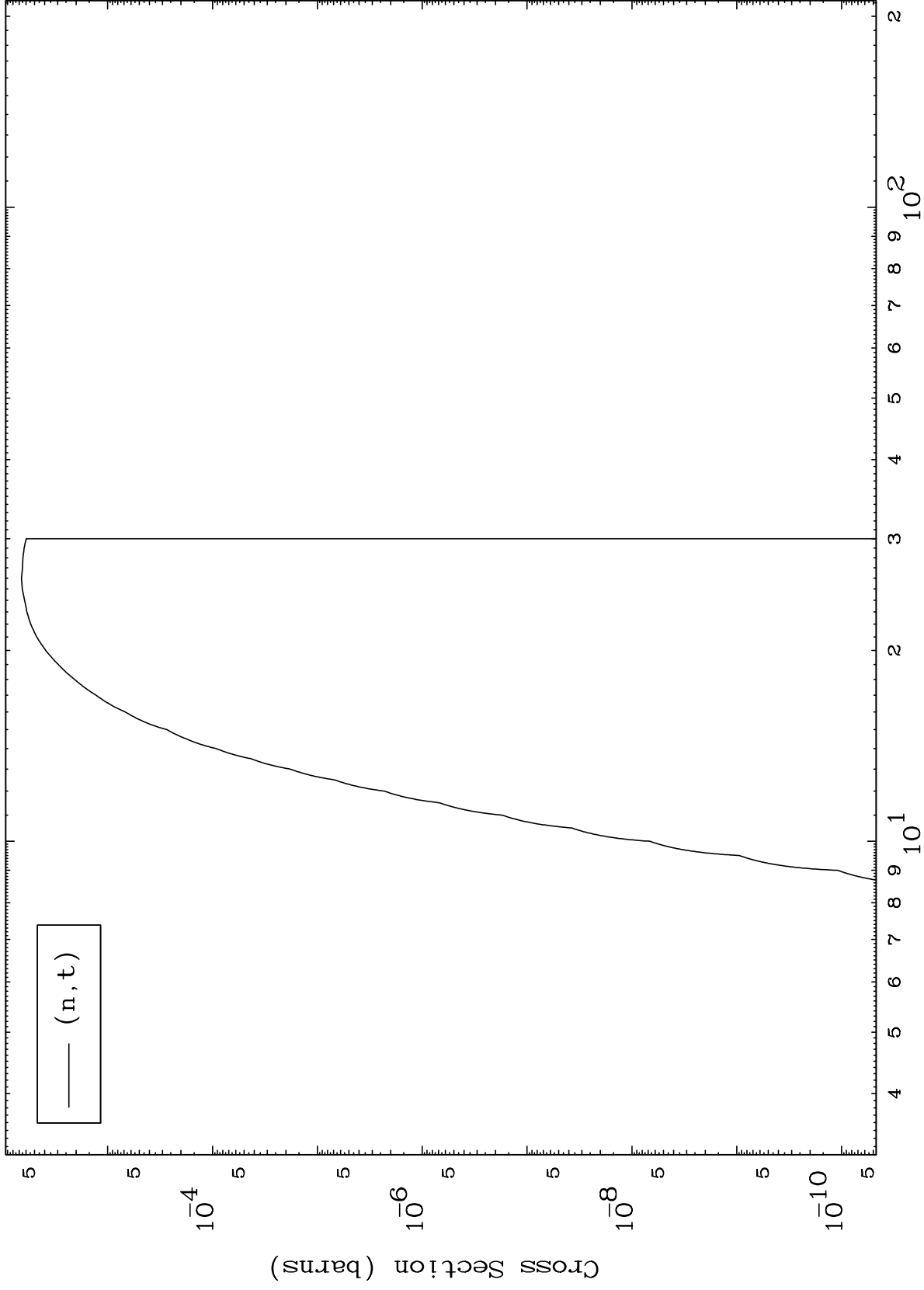
Incident Energy (MeV)

73-Ta-180

MAT 7325

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-180



12

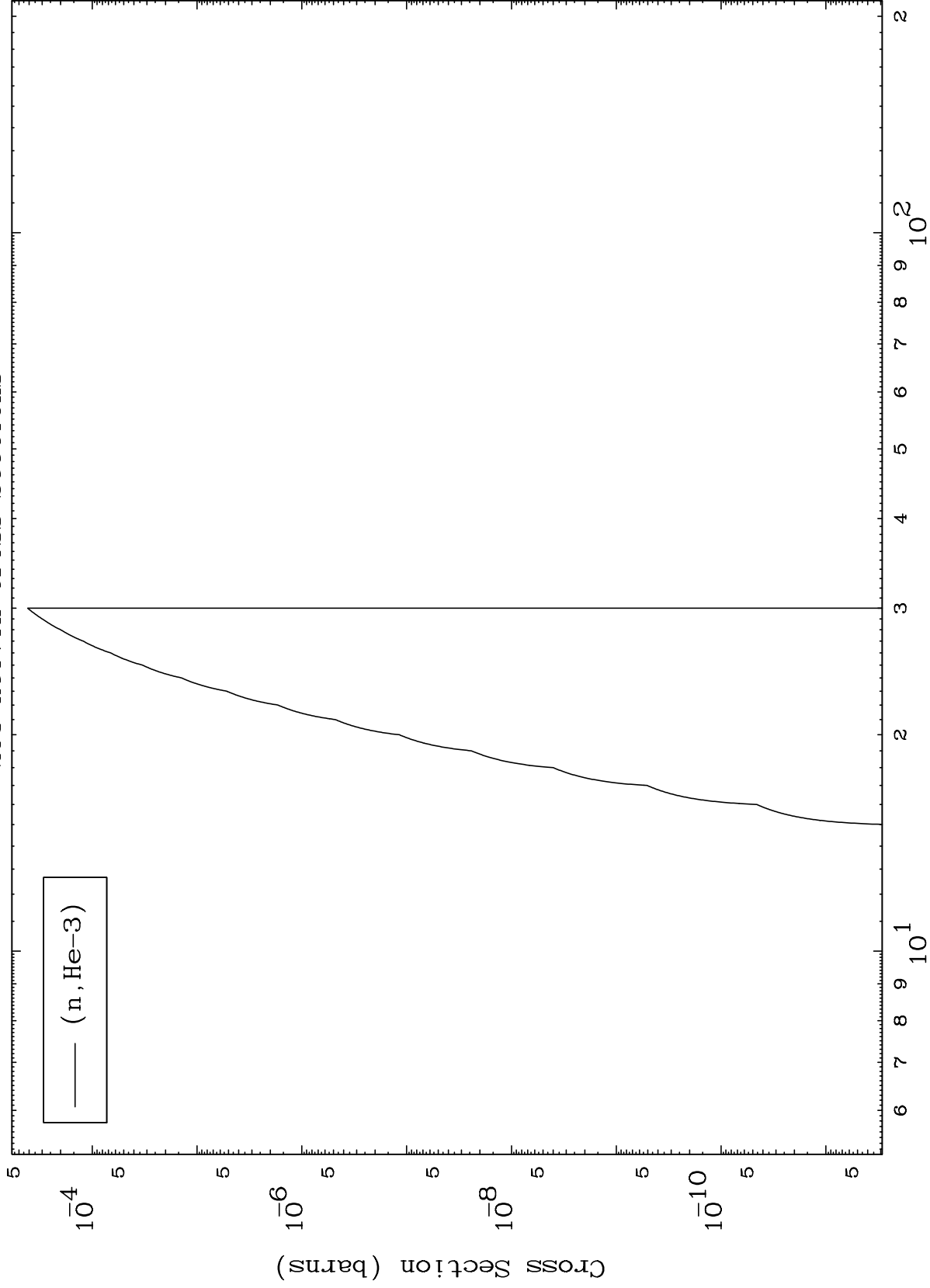
Incident Energy (MeV)

73-Ta-180

MAT 7325

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-180



13

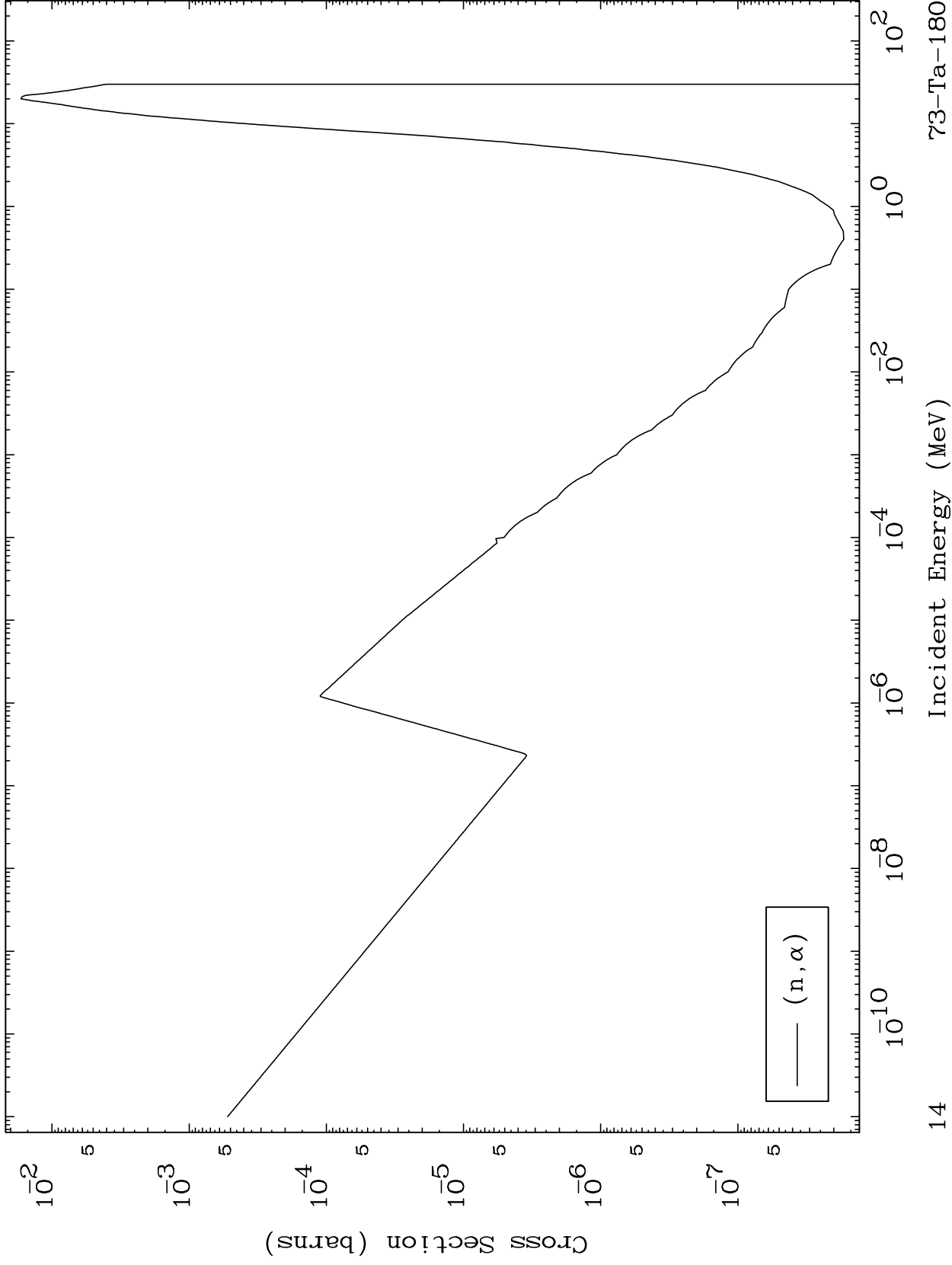
Incident Energy (MeV)

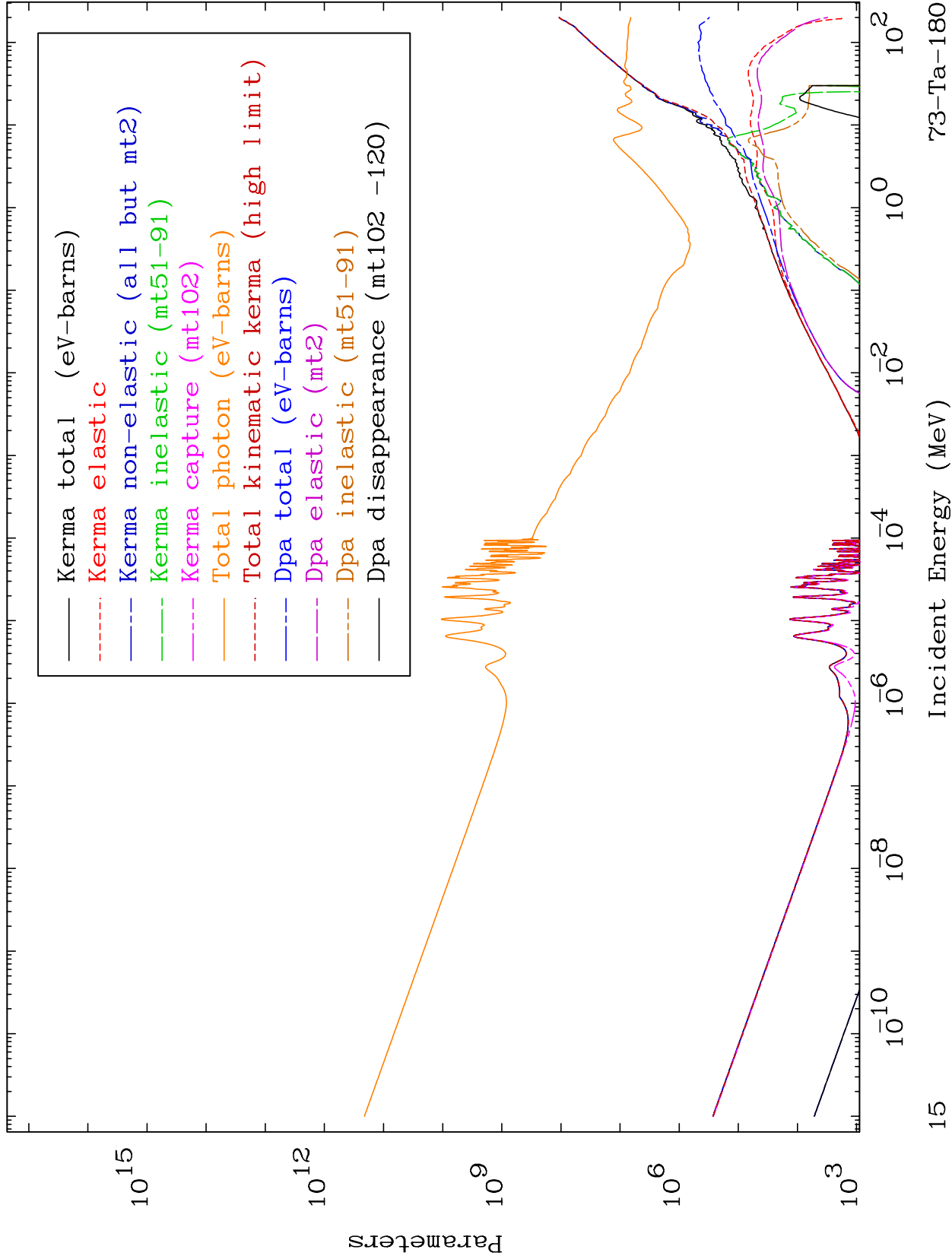
73-Ta-180

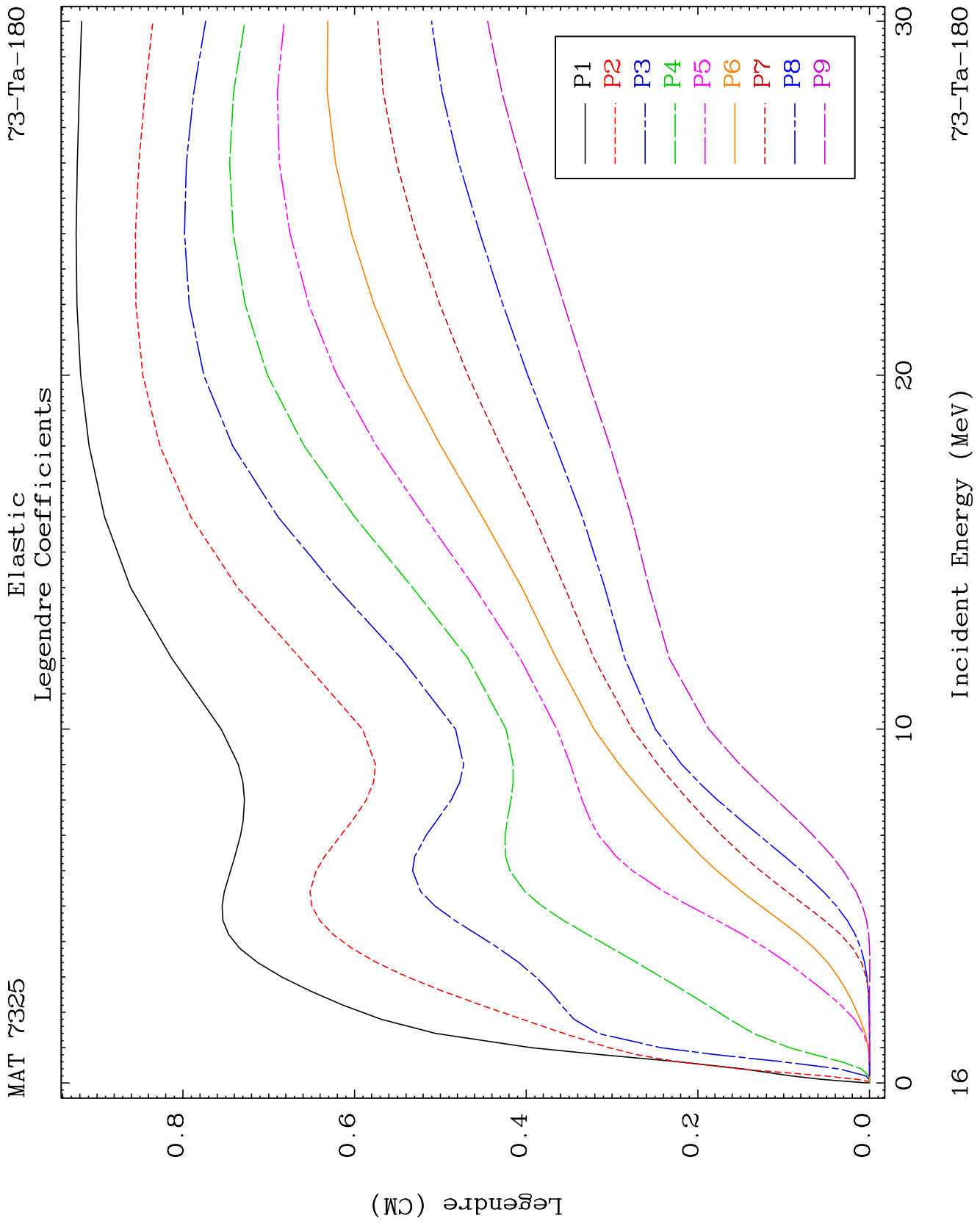
MAT 7325

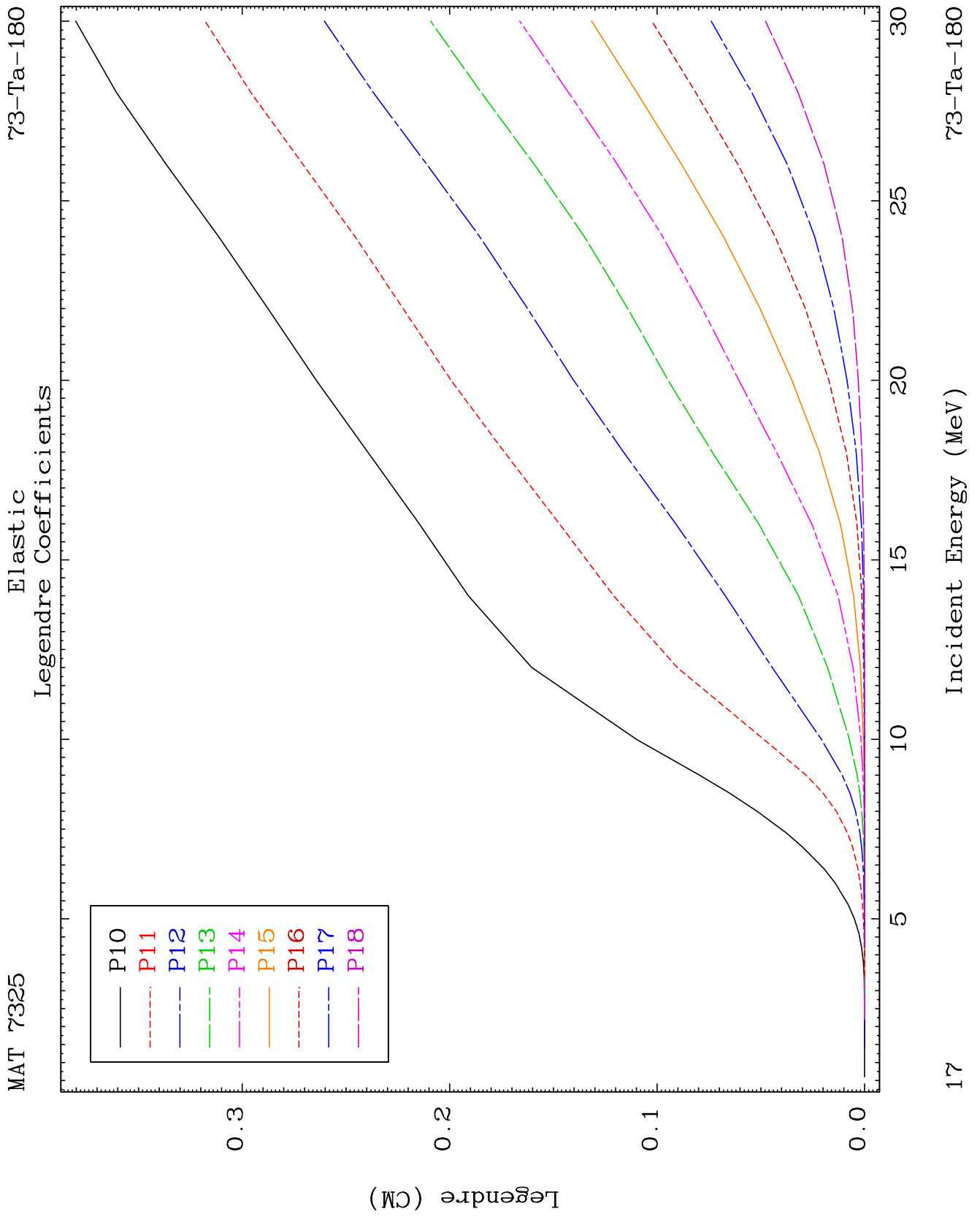
(n,α) Levels
293 Kelvin Cross Sections

73-Ta-180





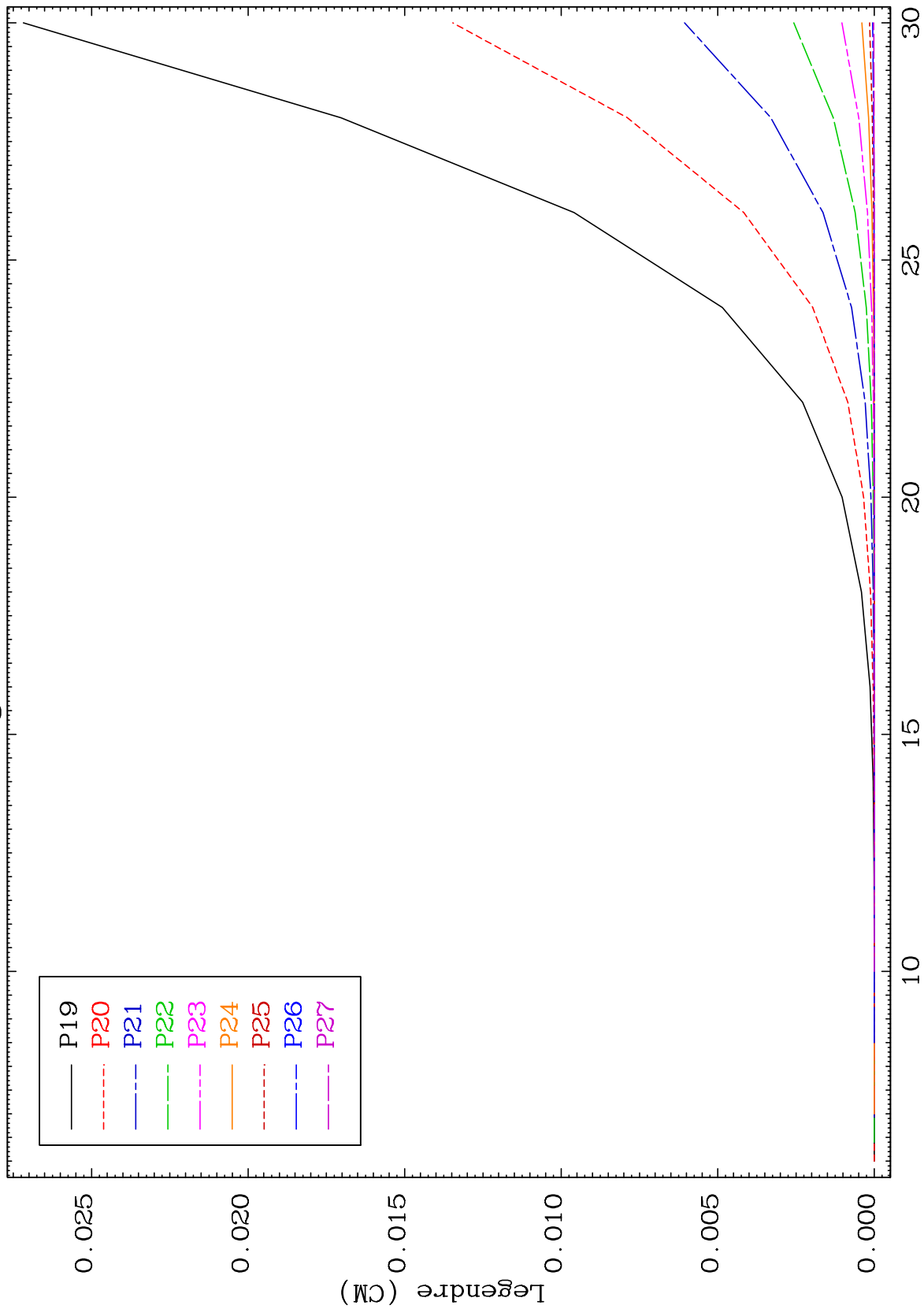




MAT 7325

Elastic Legendre Coefficients

73-Ta-180



18

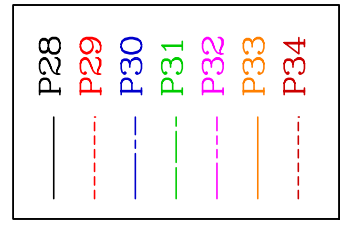
Incident Energy (MeV)

73-Ta-180

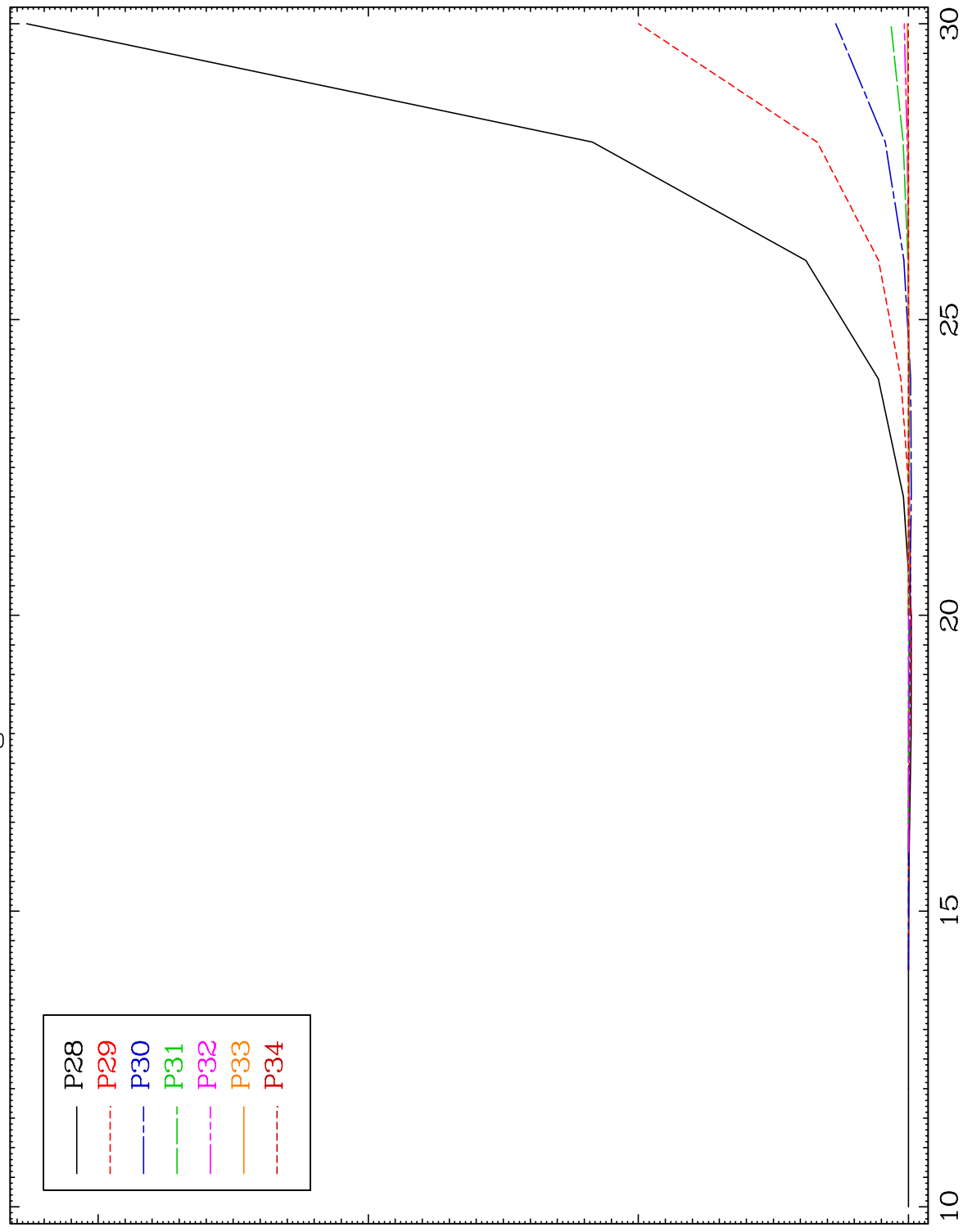
MAT 7325

Elastic Legendre Coefficients

⁷³Ta-180



Legendre (CM)
 $\times 10^{-6}$



10

15

20

25

30

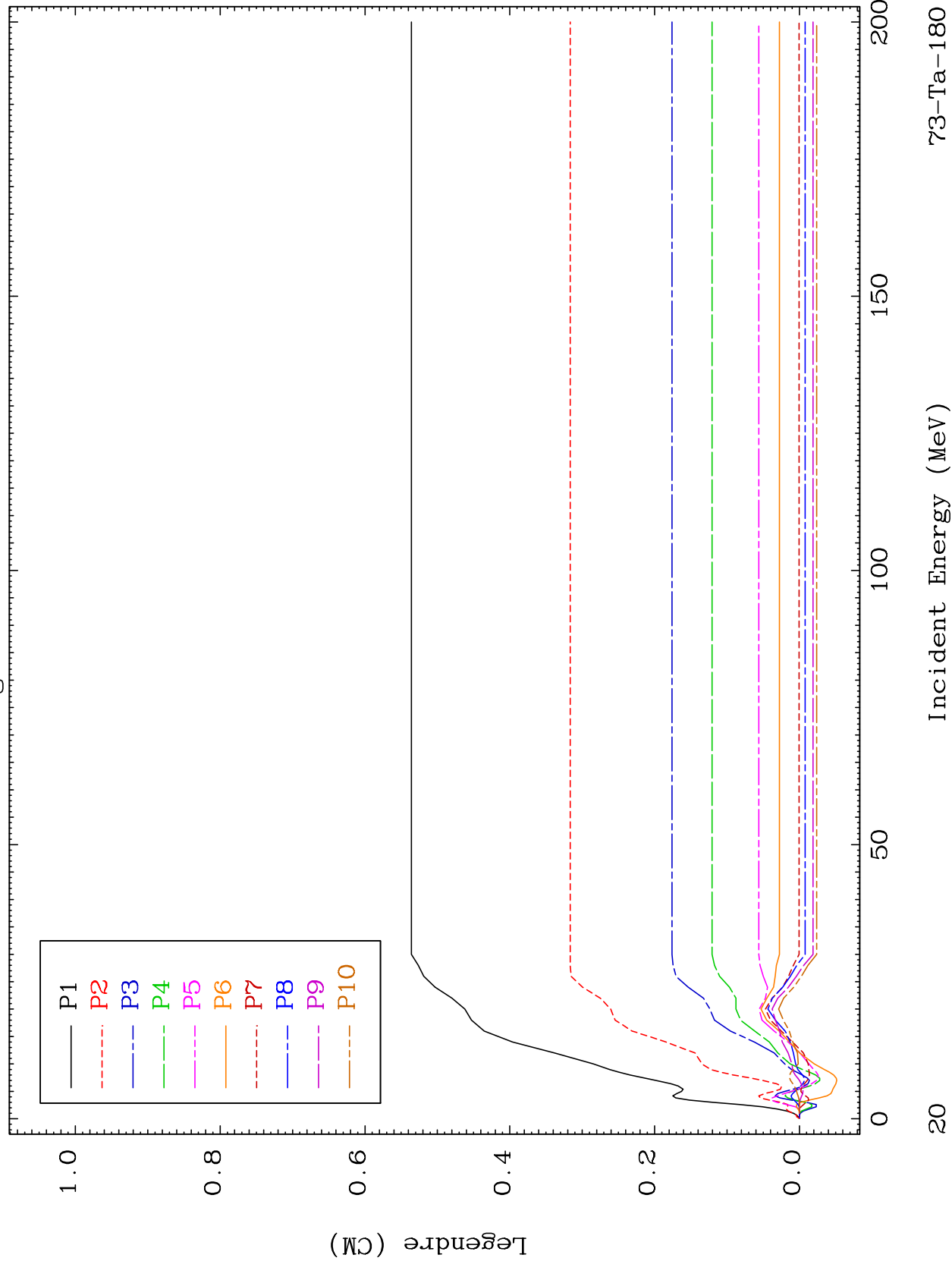
Incident Energy (MeV)

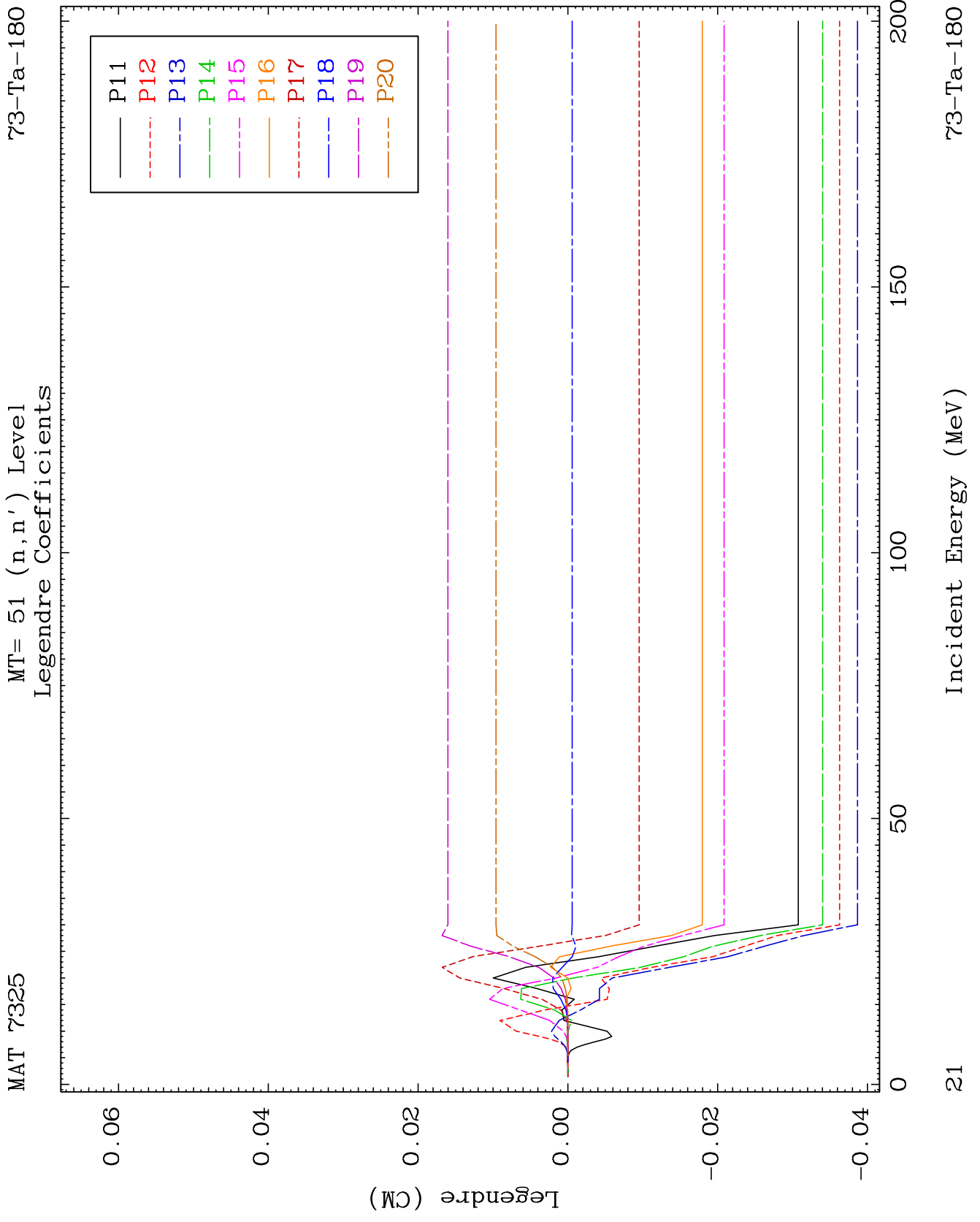
⁷³Ta-180

MAT 7325

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

73-Ta-180

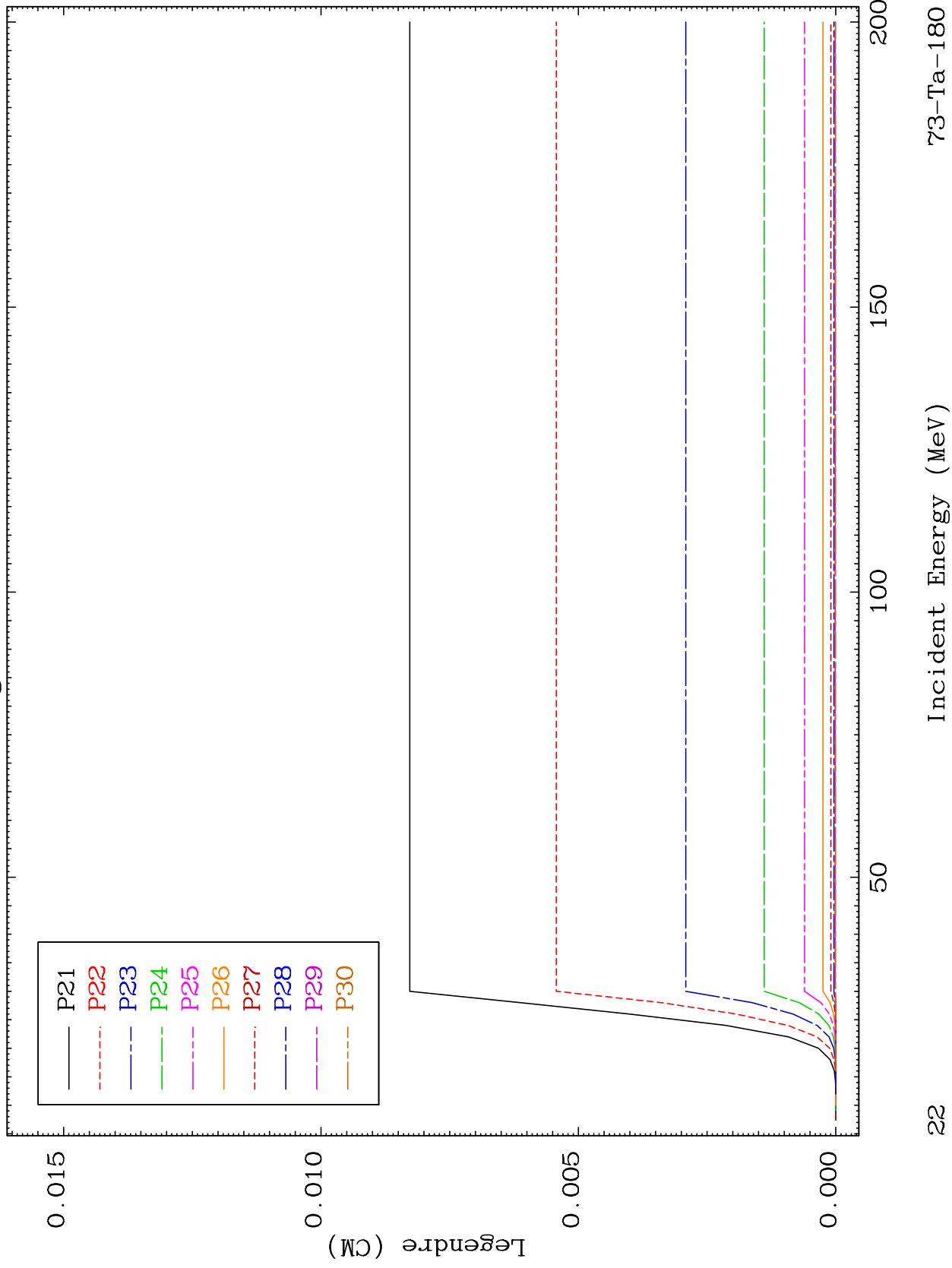


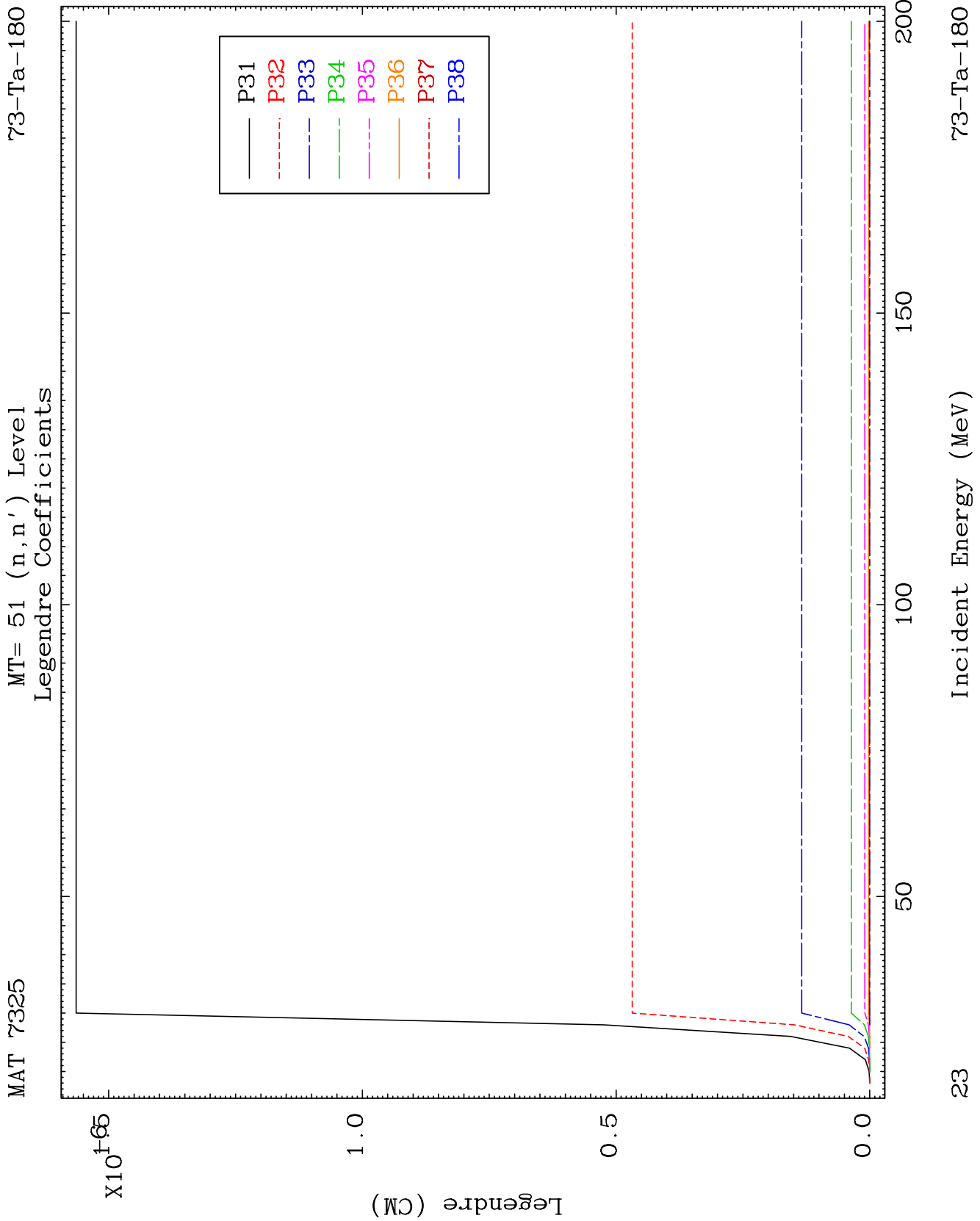


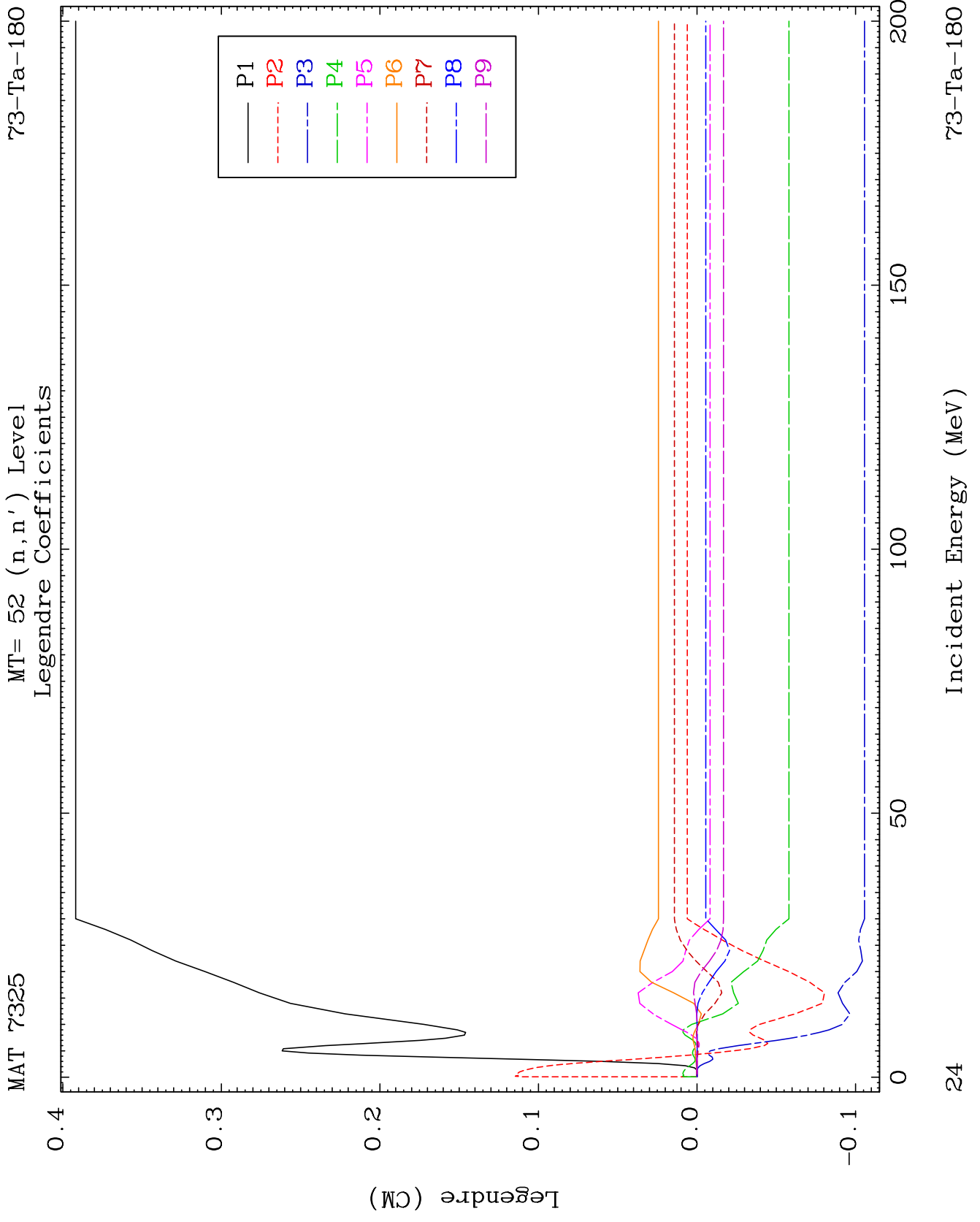
MAT 7325

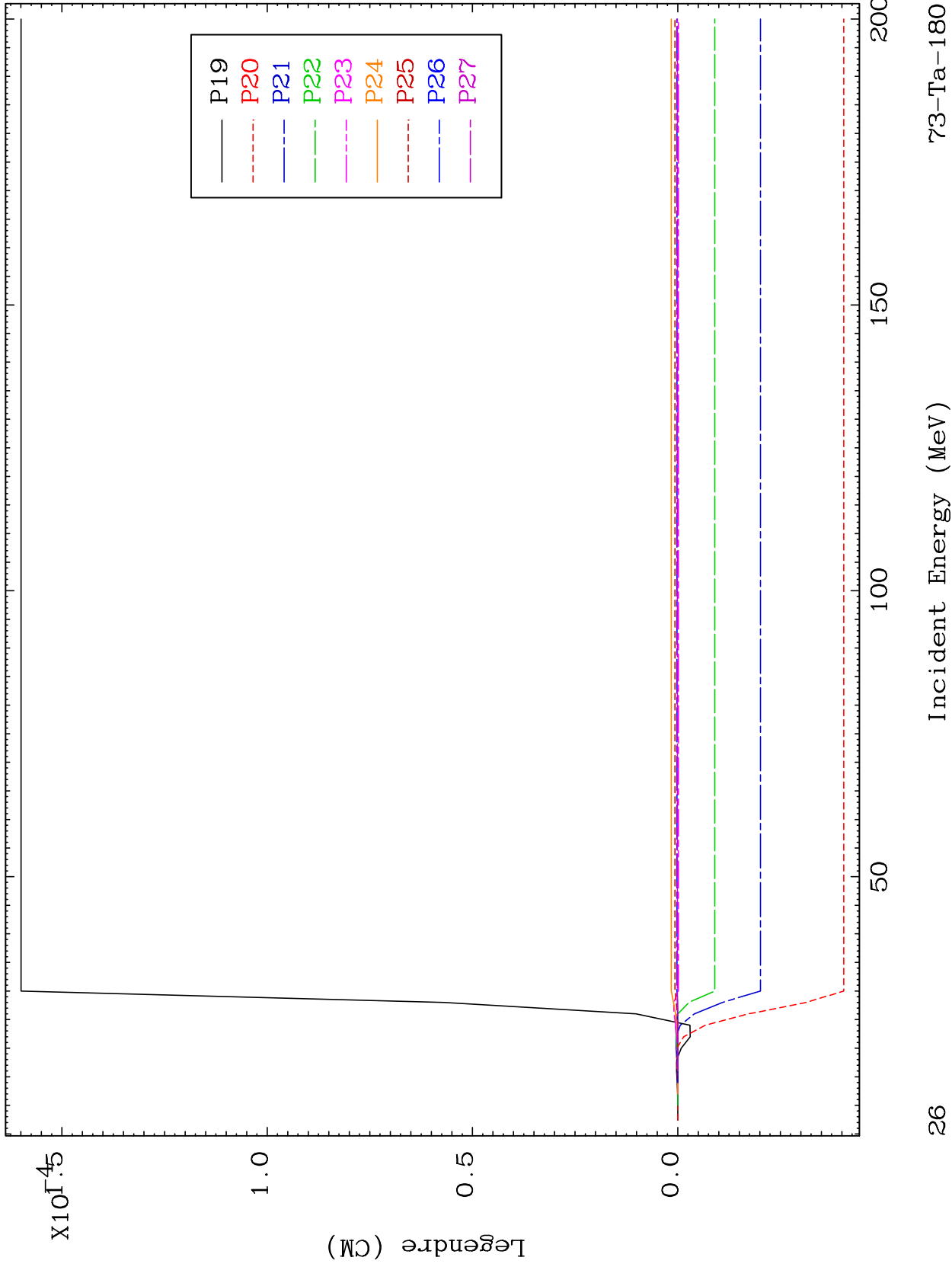
MT= 51 (n,n') Level
Legendre Coefficients

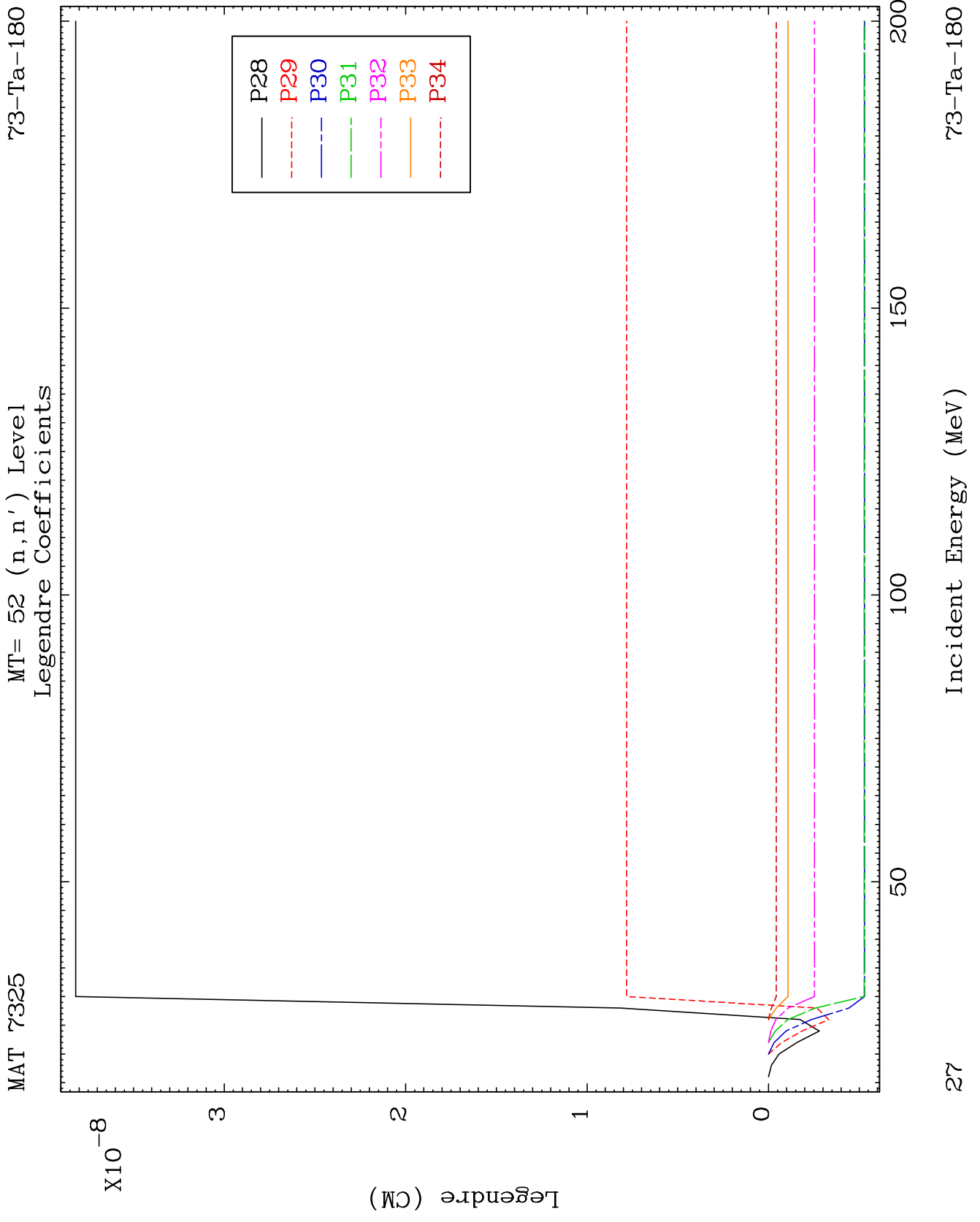
73-Ta-180

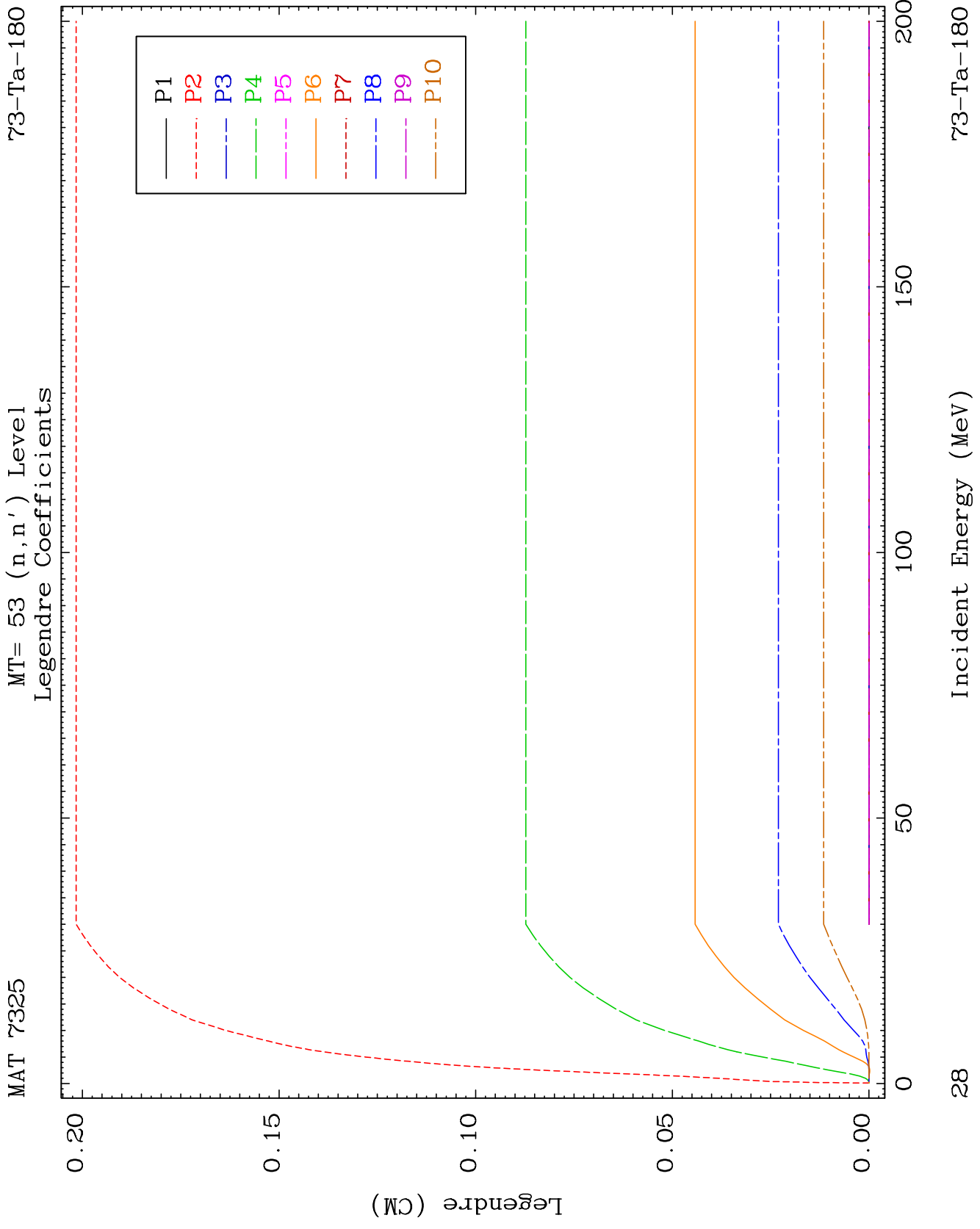


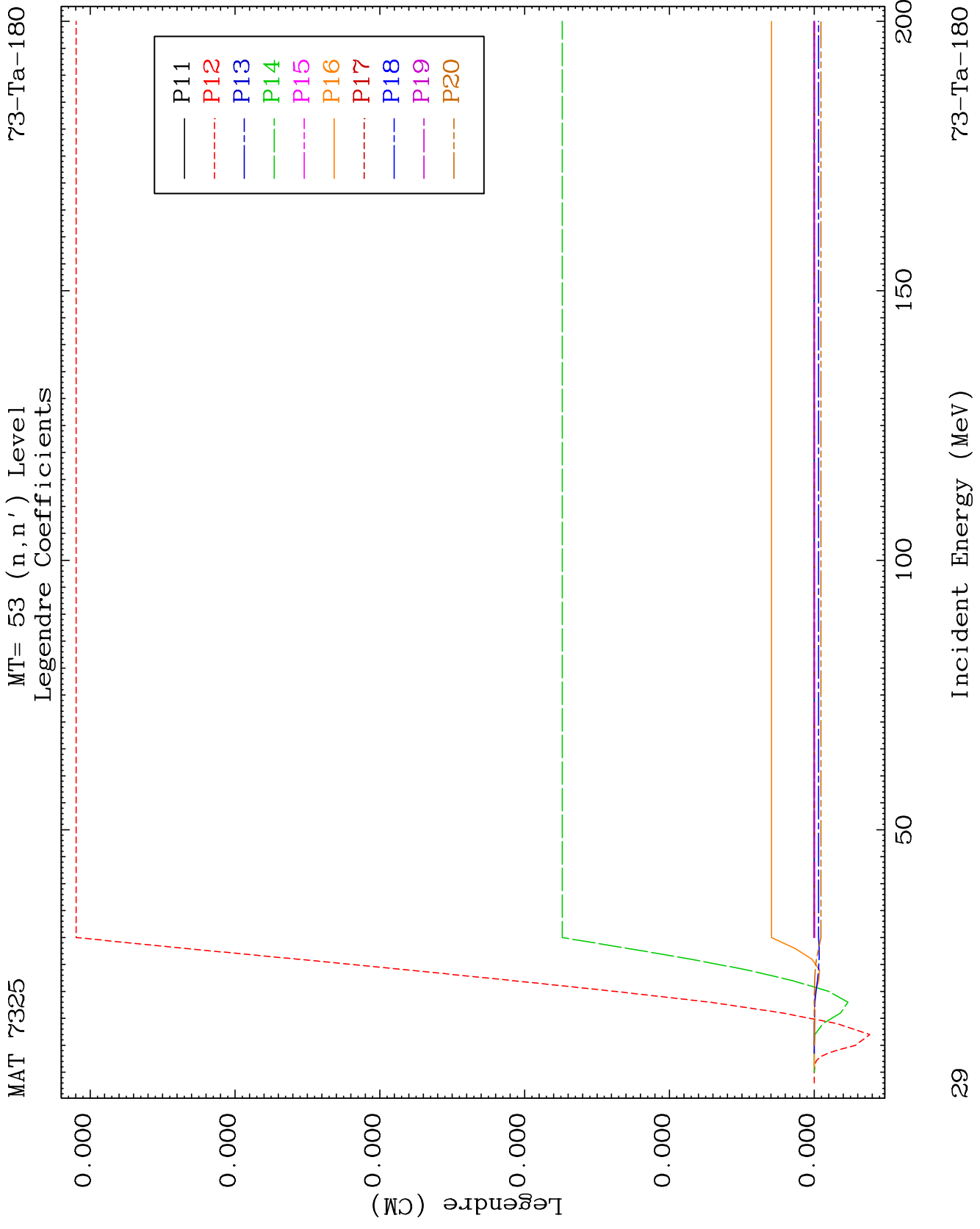


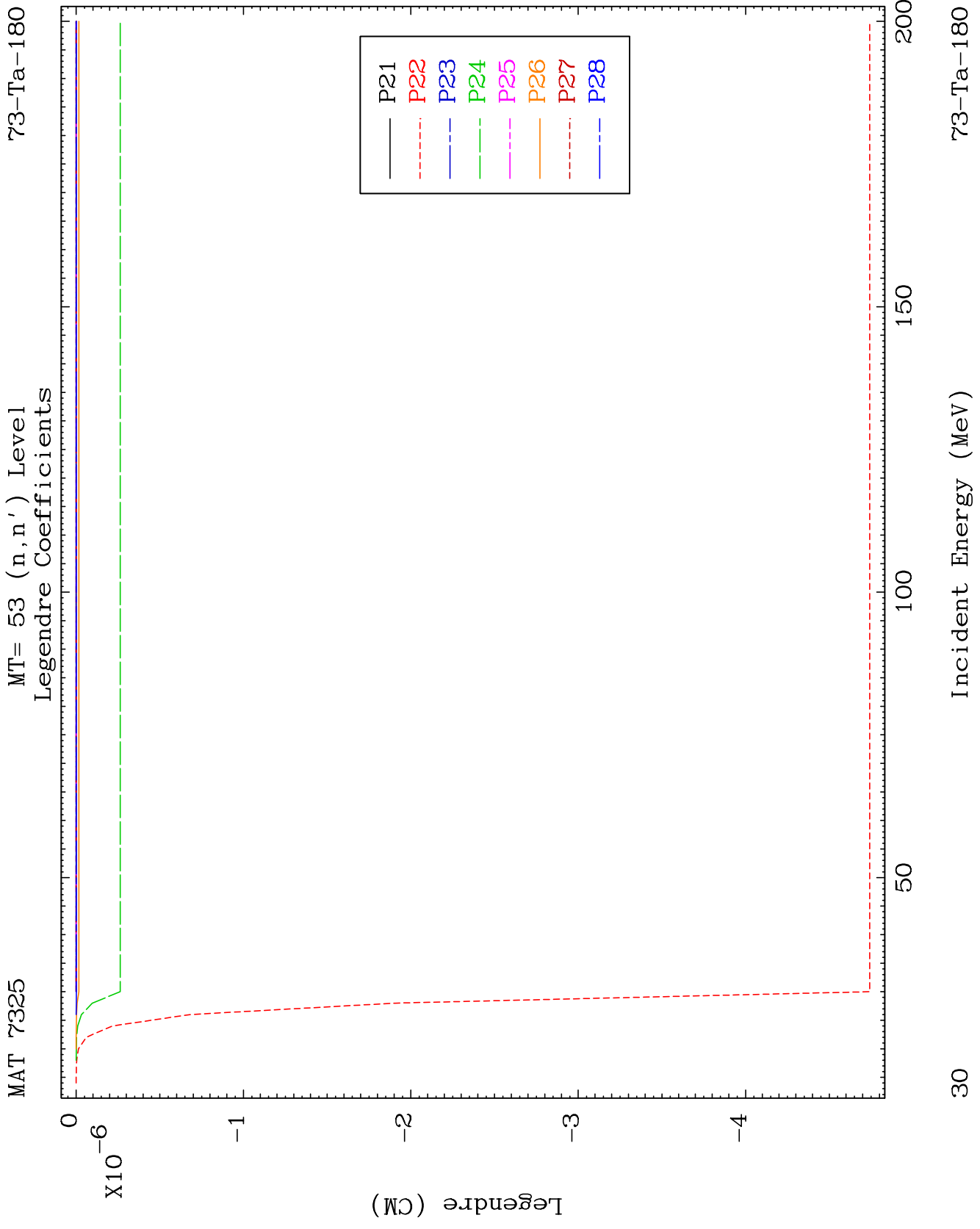


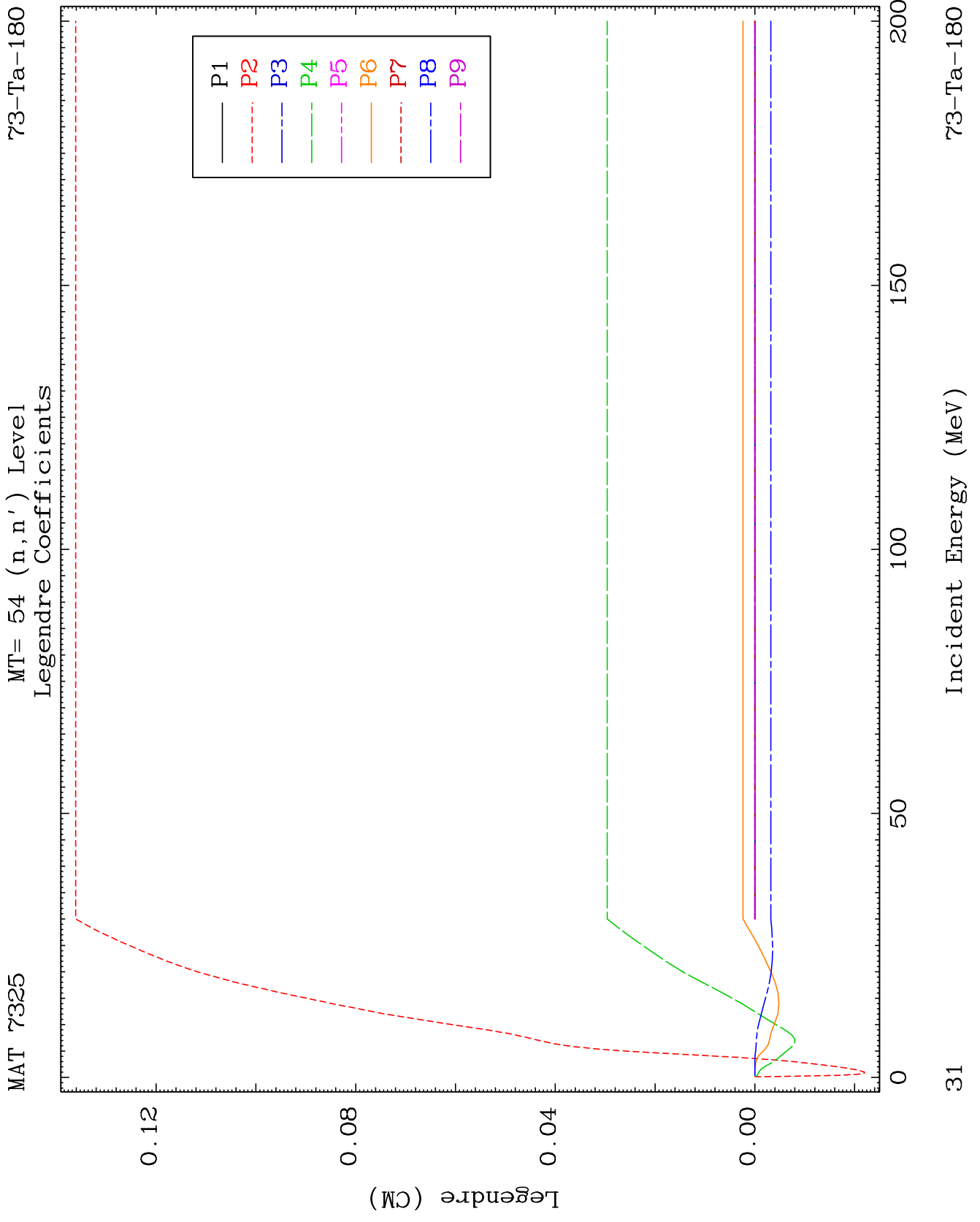


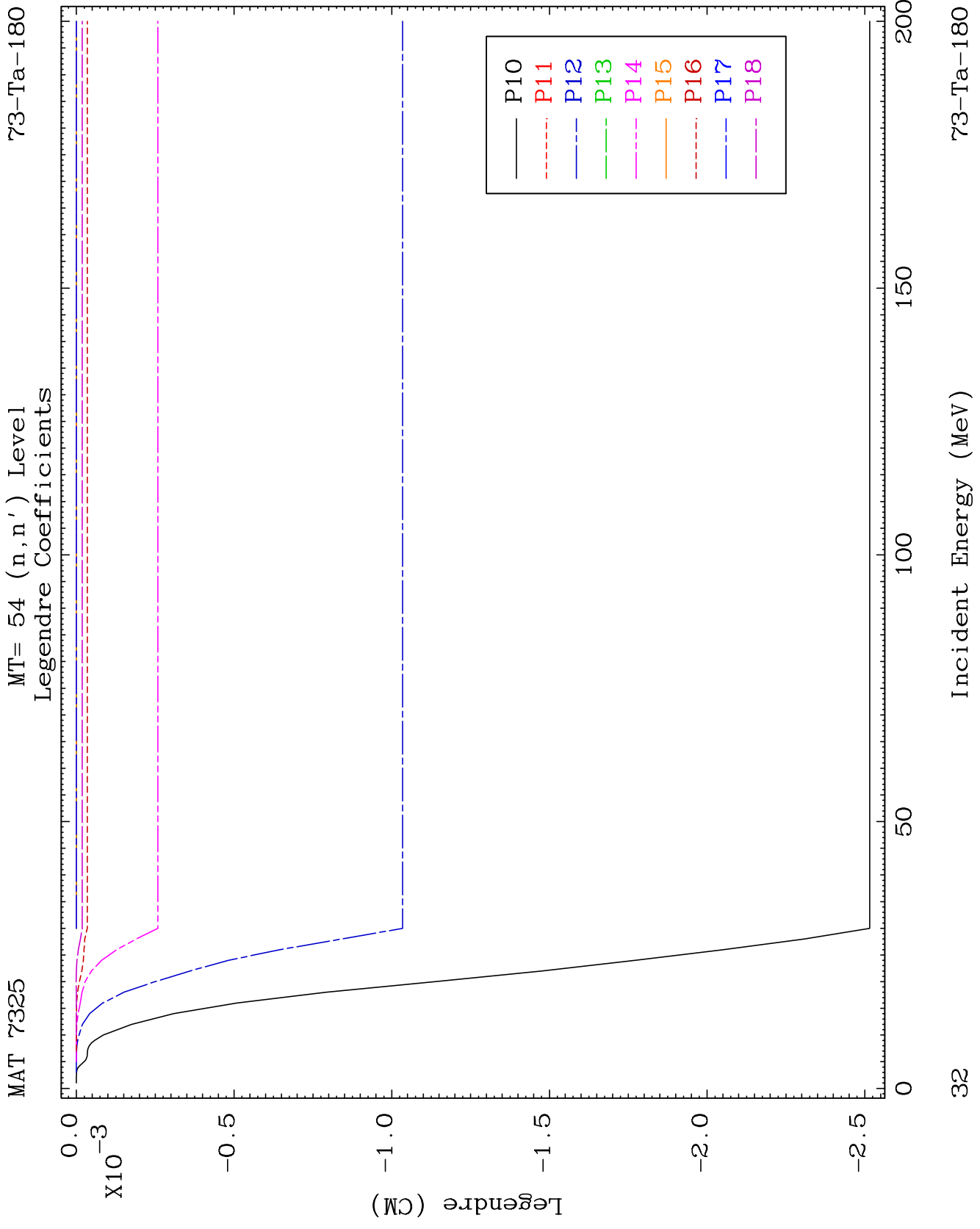


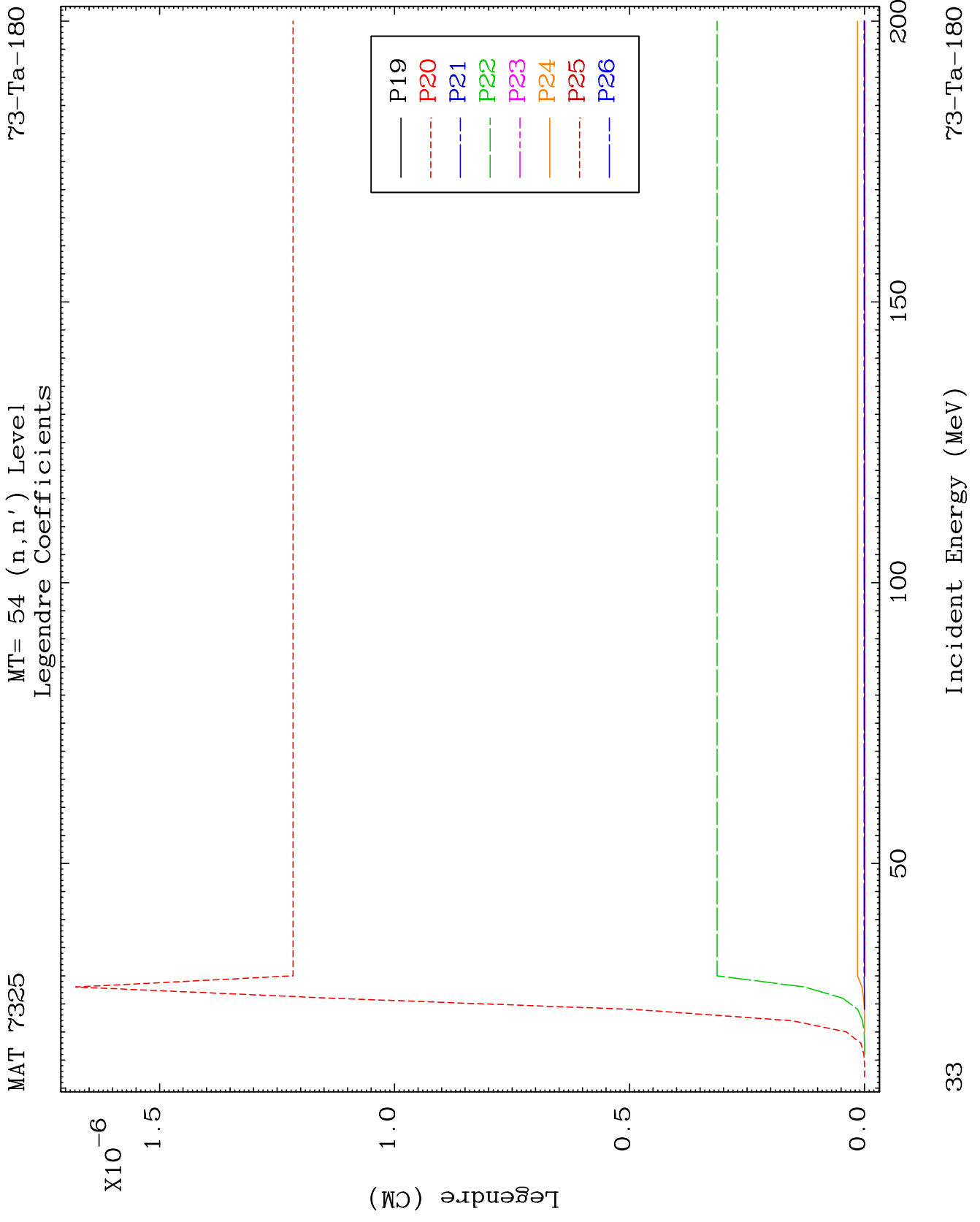


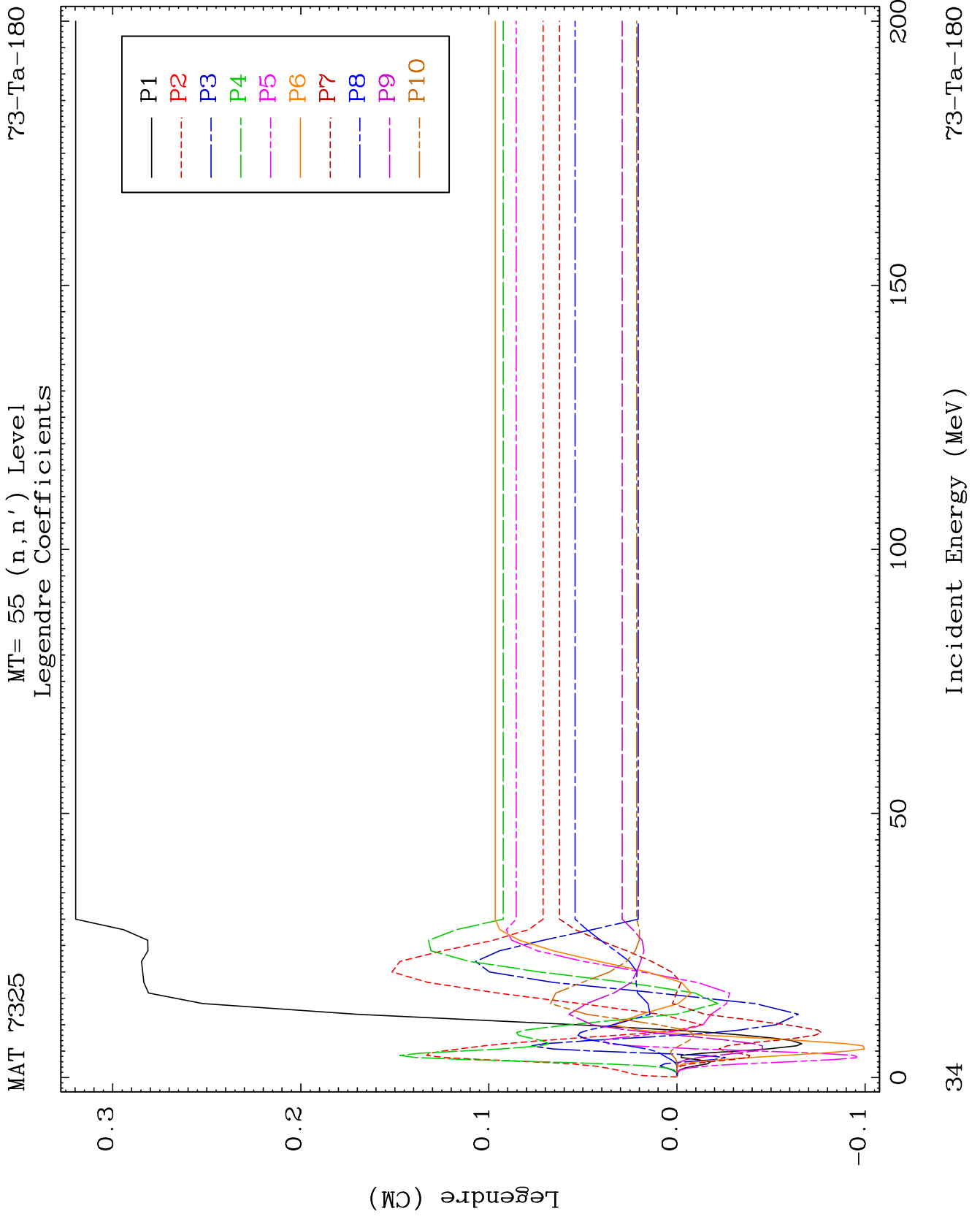


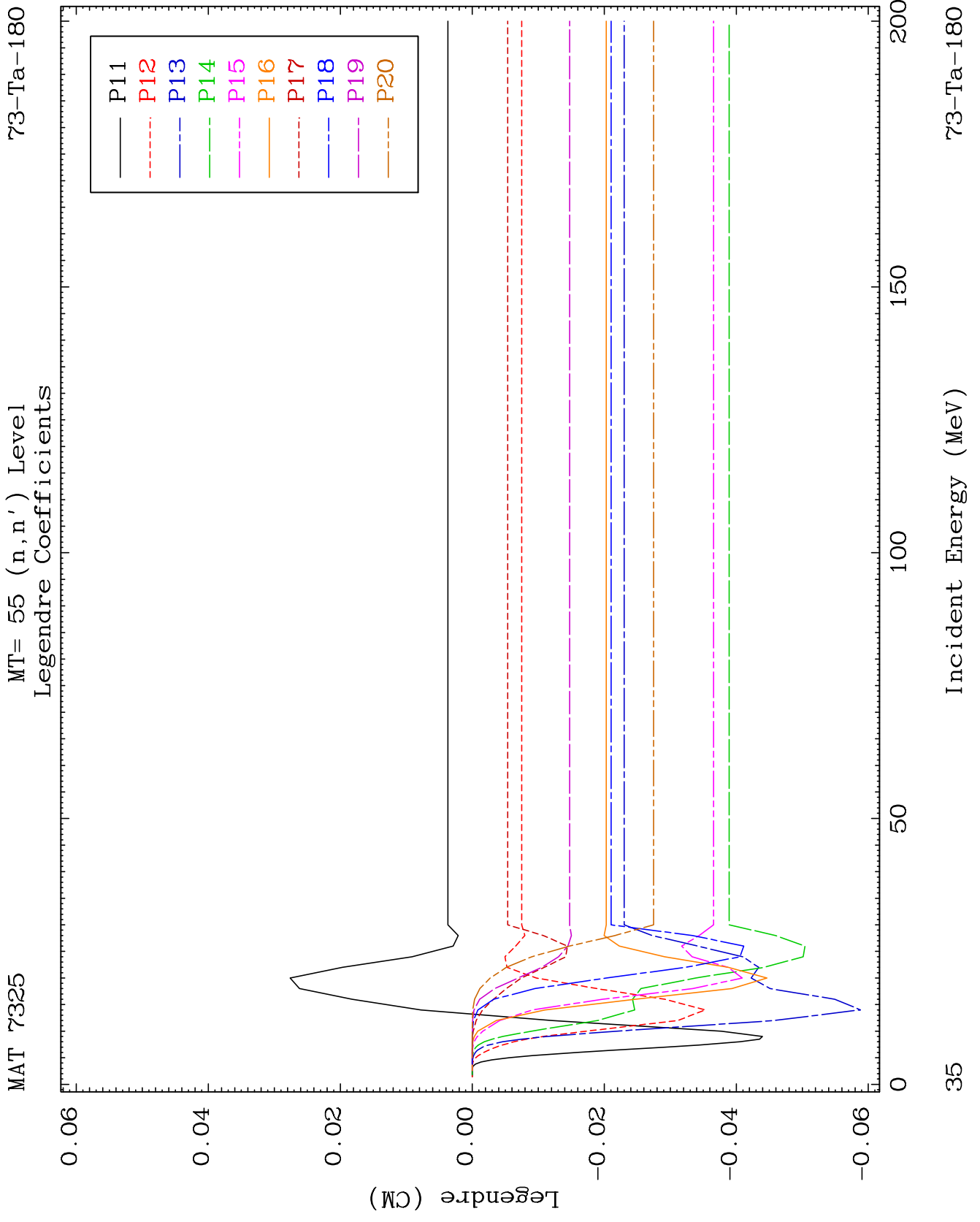


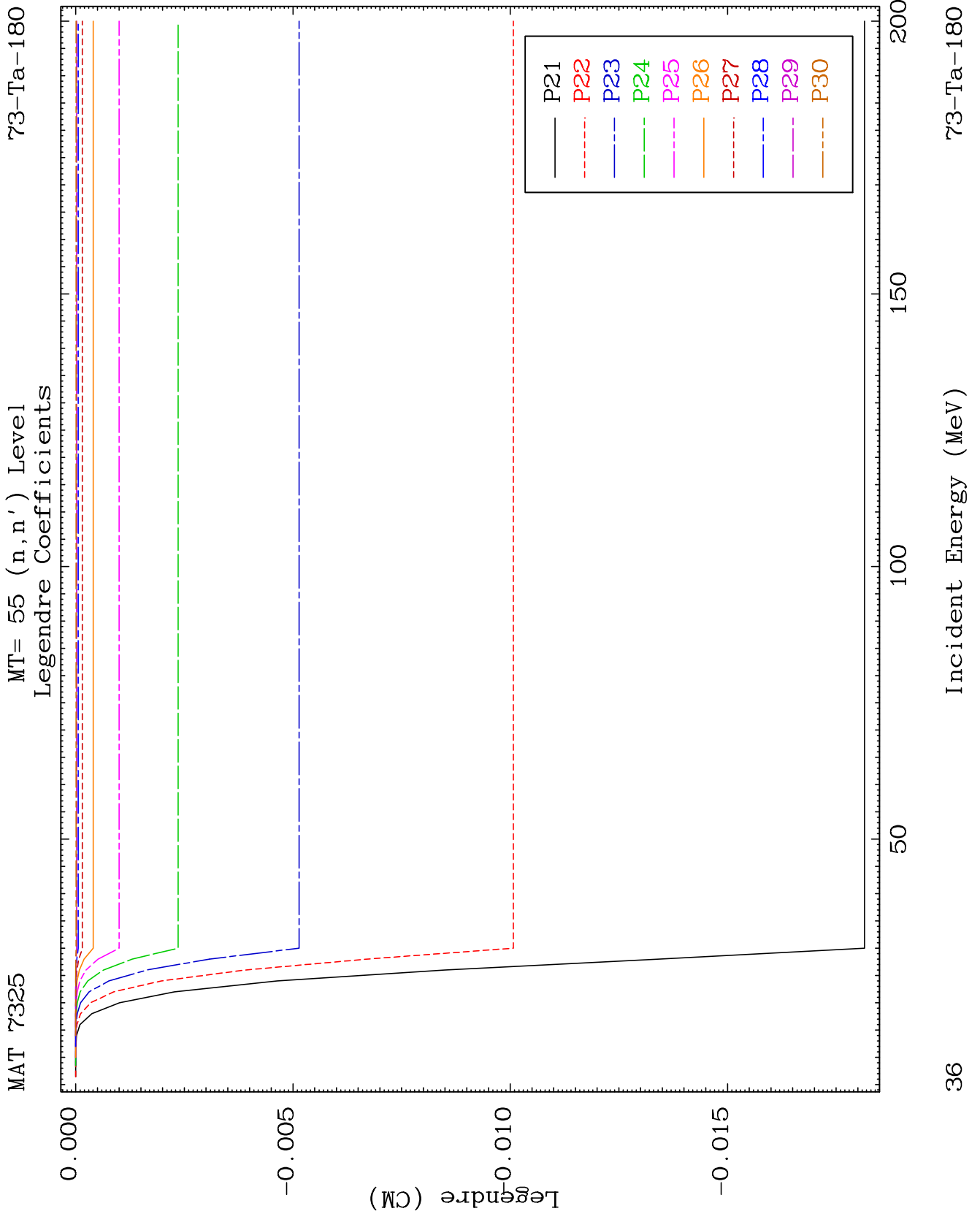


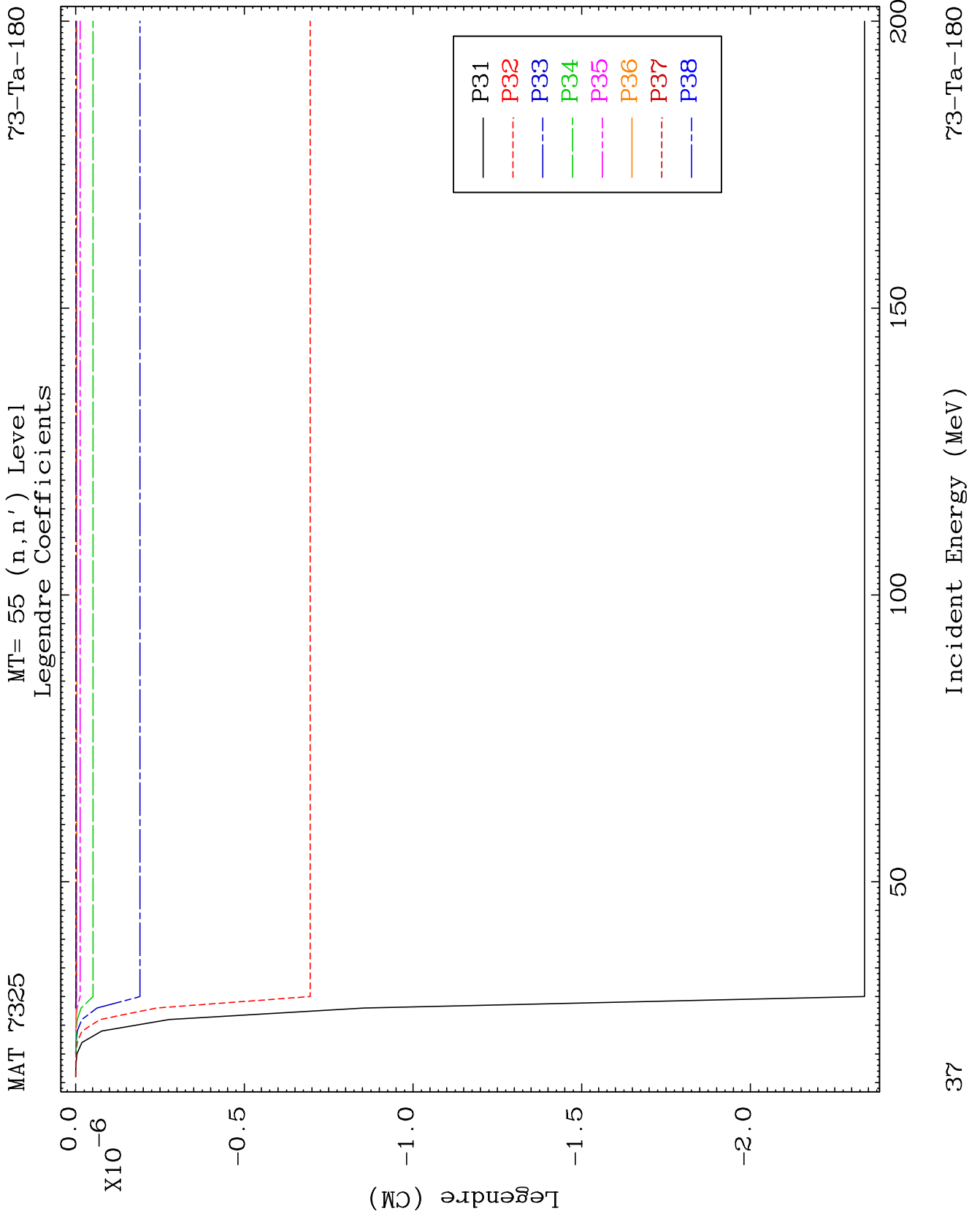








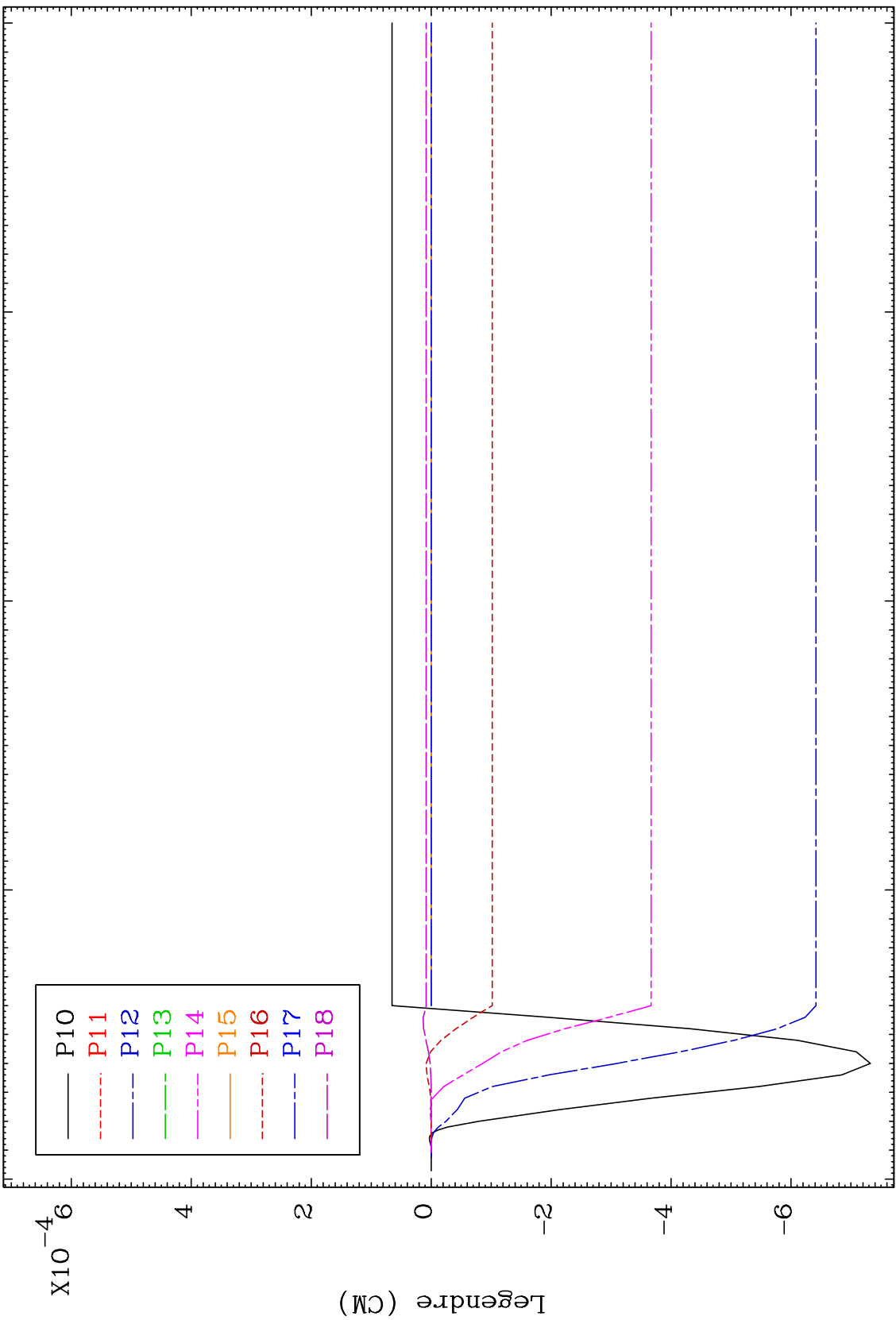
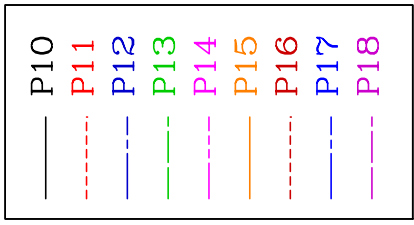




MAT 7325

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

73-Ta-180



0 50 100 150 200

39

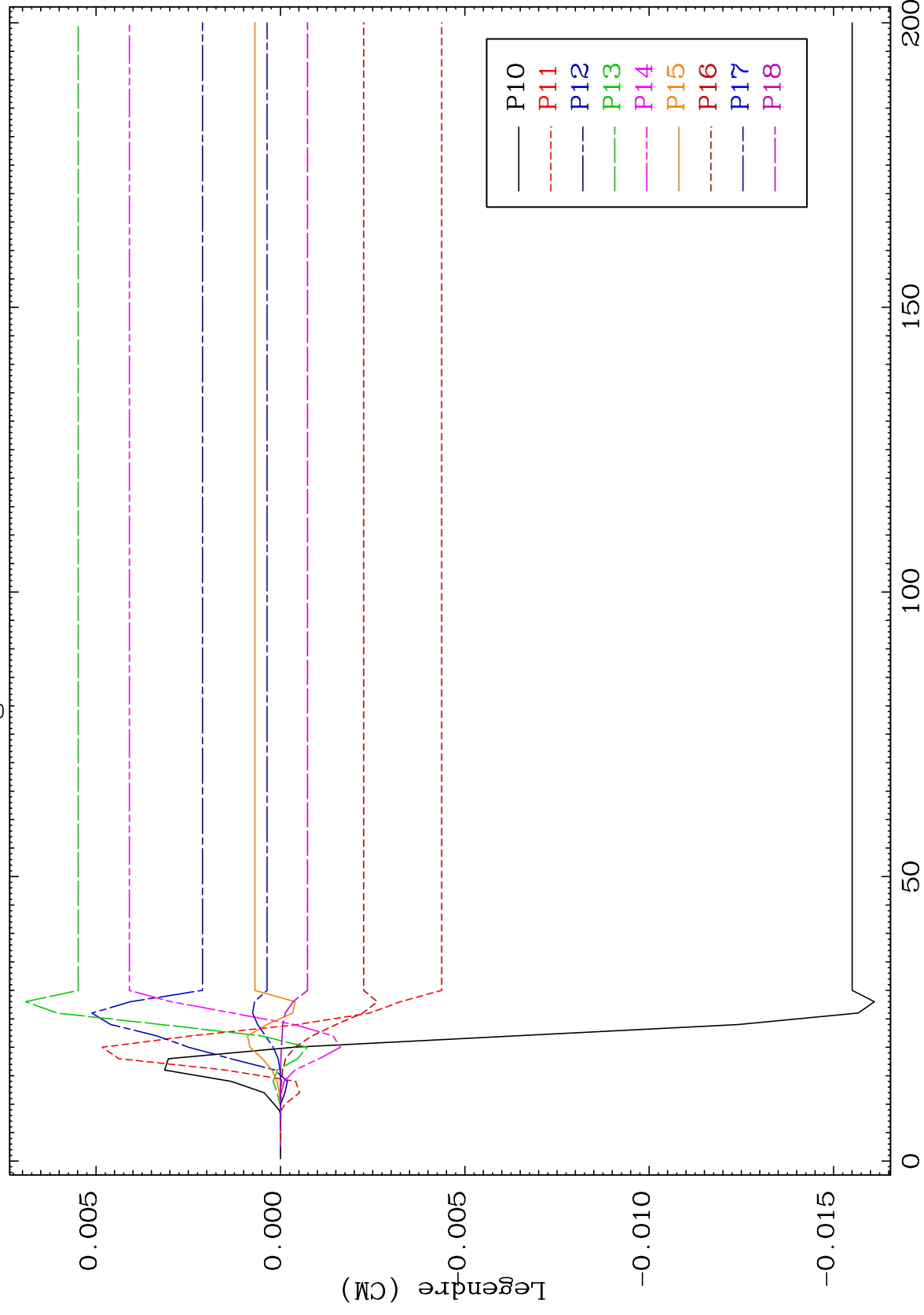
Incident Energy (MeV)

73-Ta-180

MAT 7325

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

73-Ta-180



42

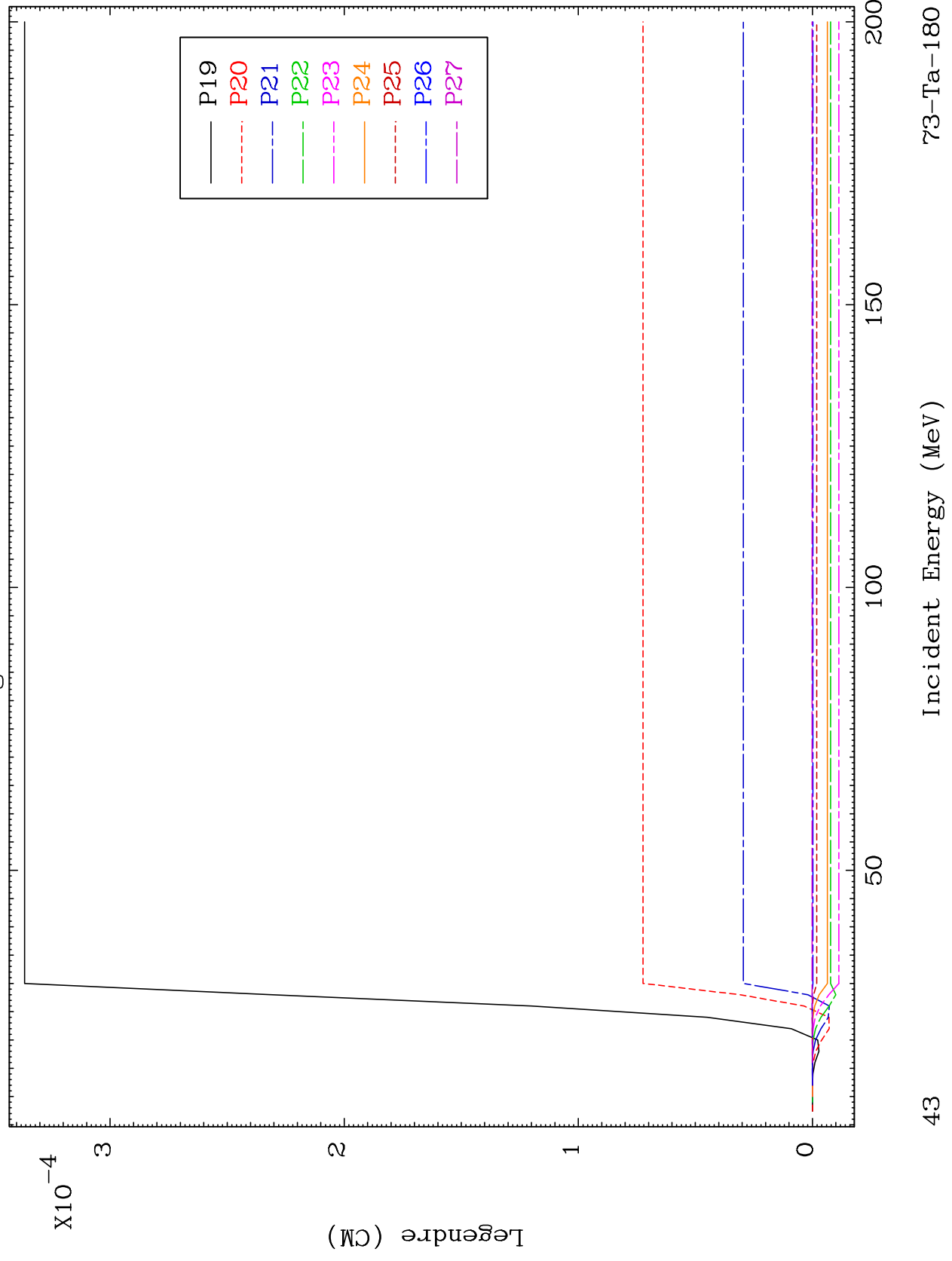
Incident Energy (MeV)

73-Ta-180

MAT 7325

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

73-Ta-180



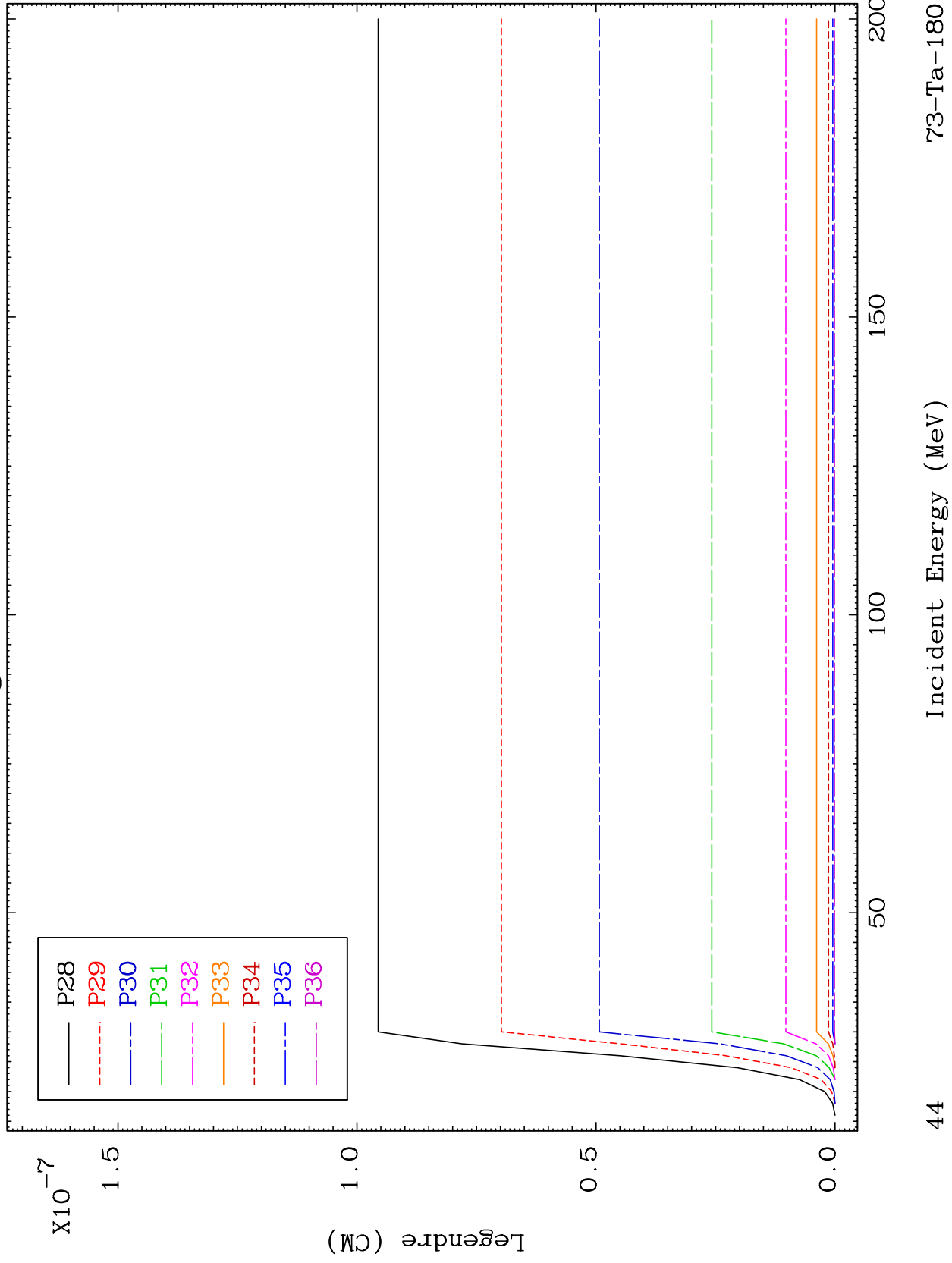
43

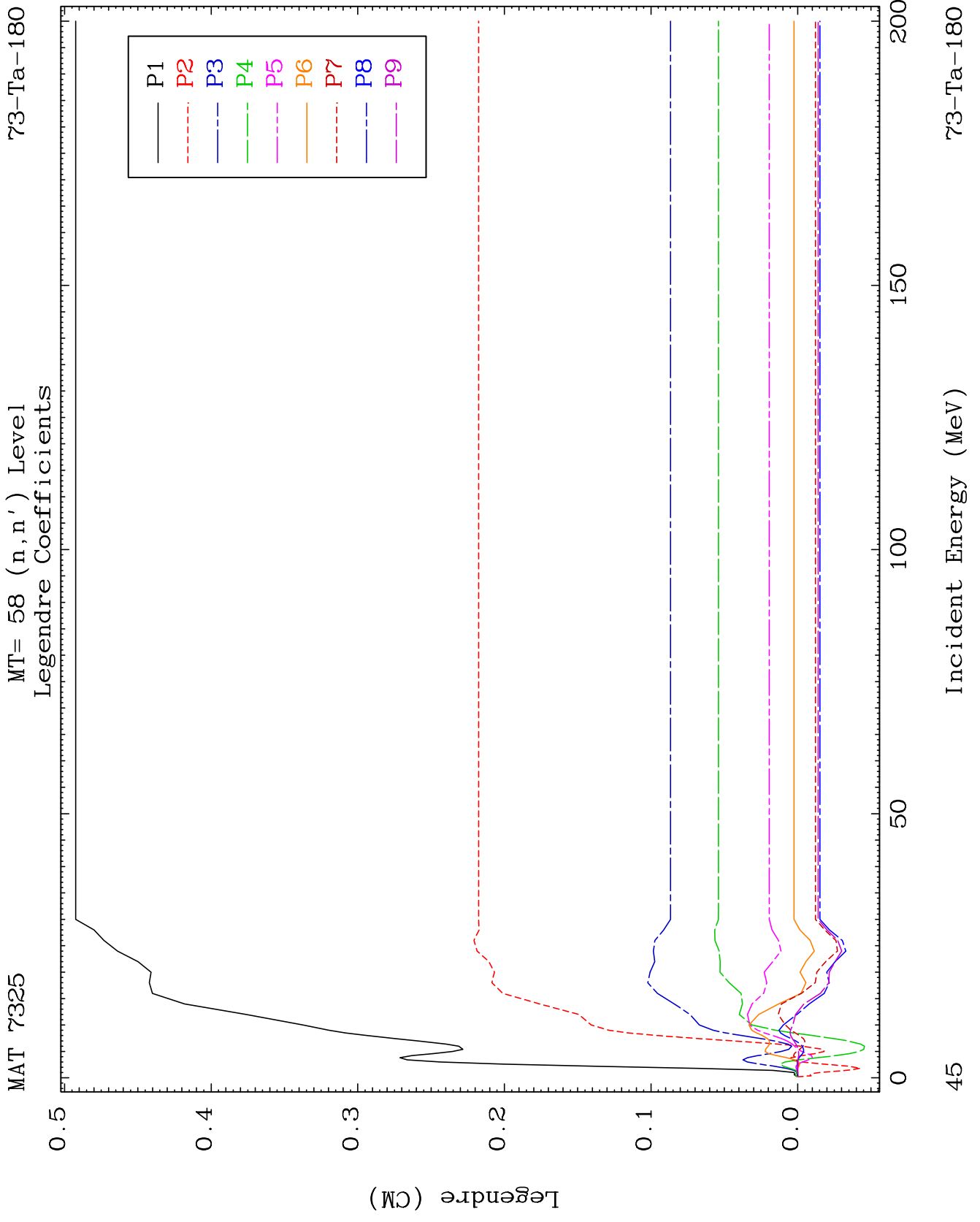
73-Ta-180

MAT 7325

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

73-Ta-180

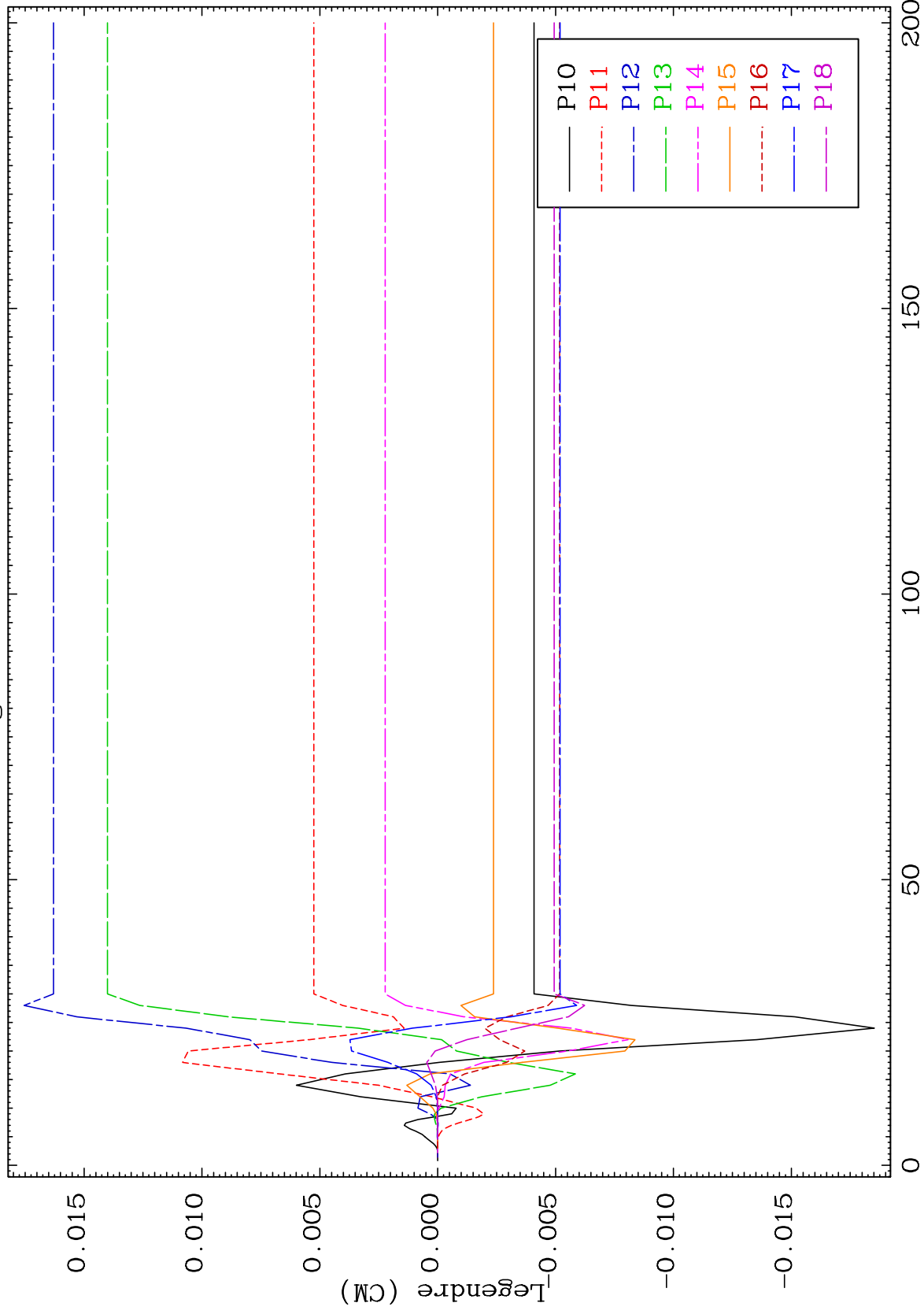




MAT 7325

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

73-Ta-180



46

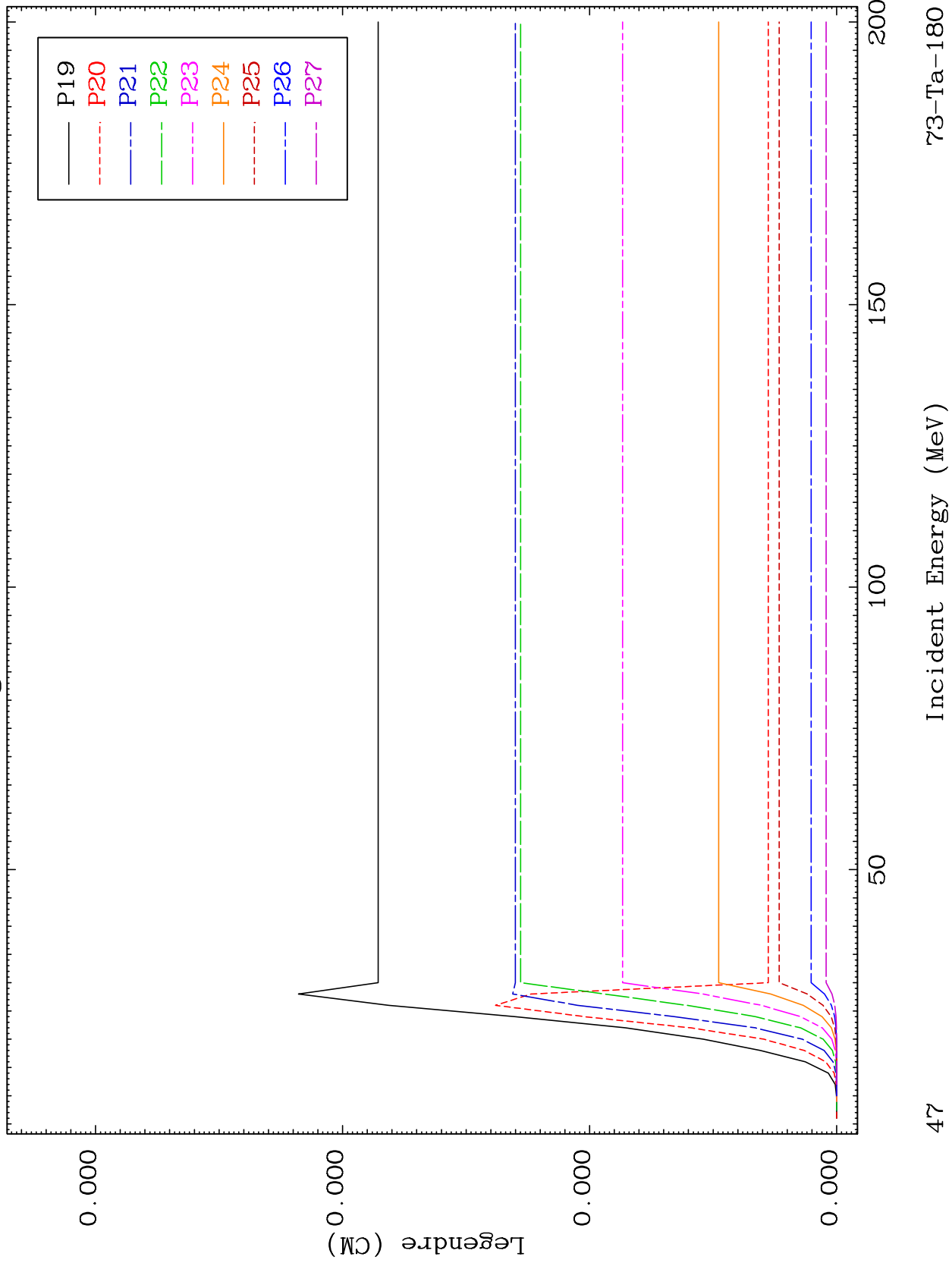
Incident Energy (MeV)

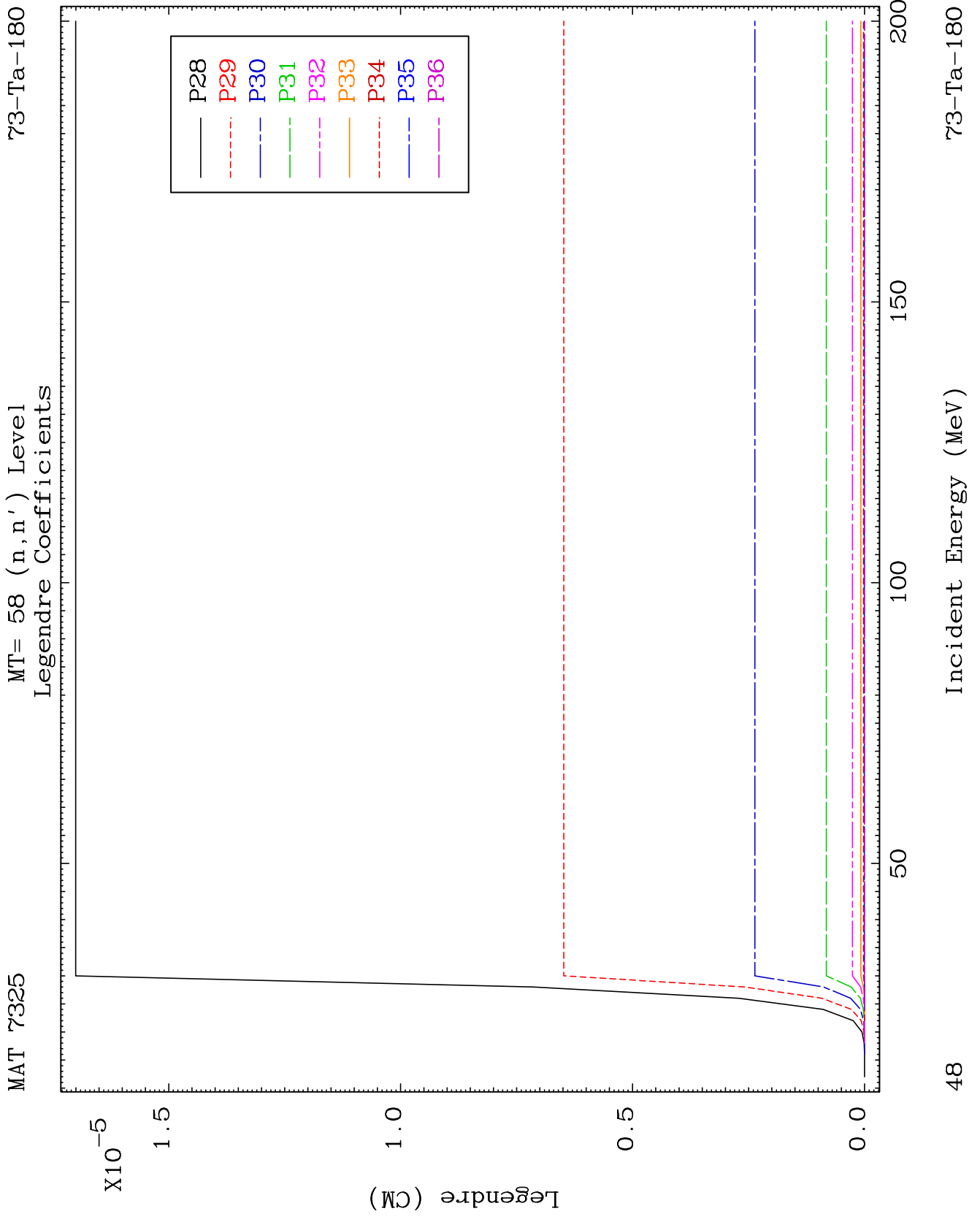
73-Ta-180

MAT 7325

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

73-Ta-180

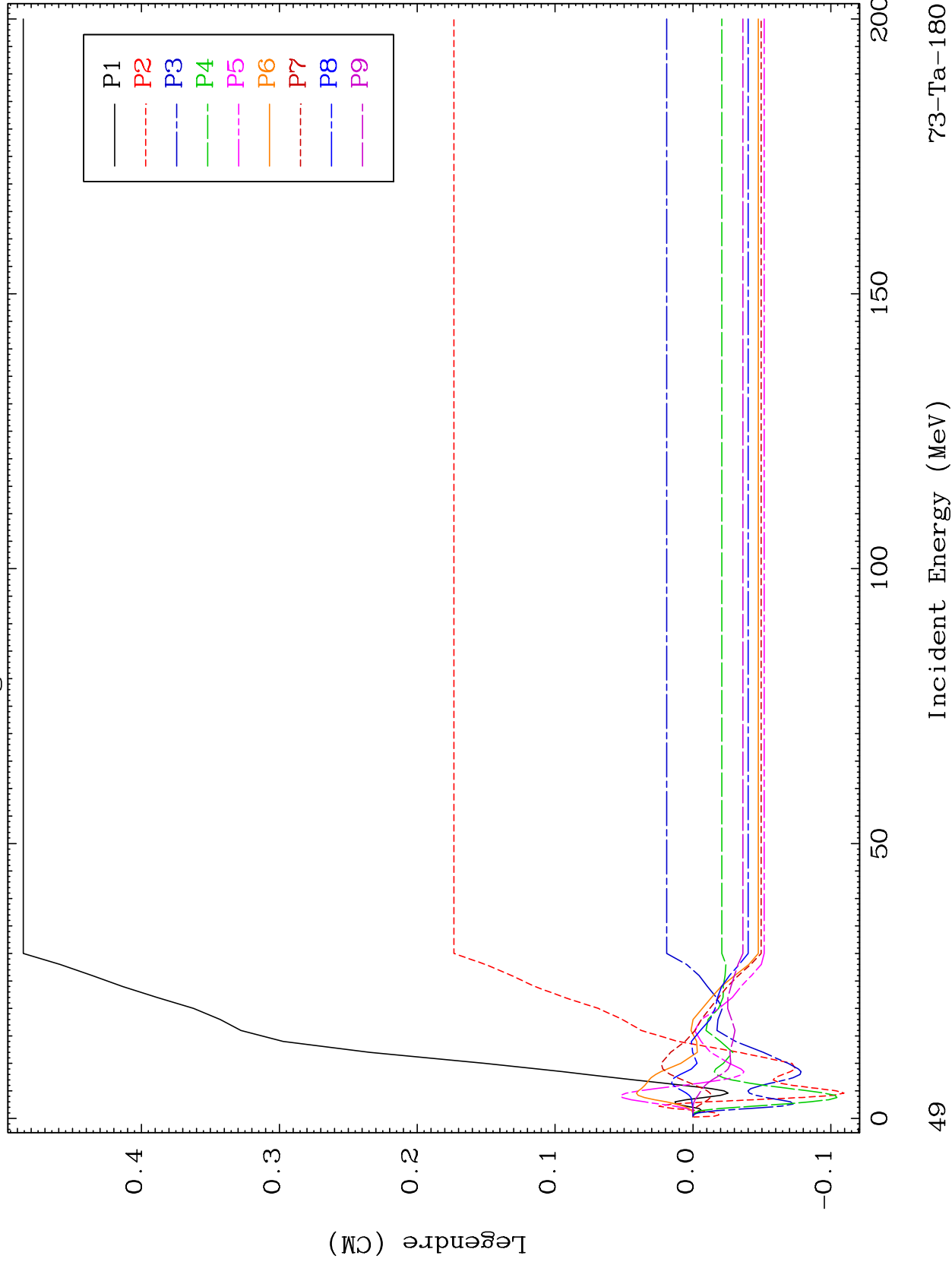


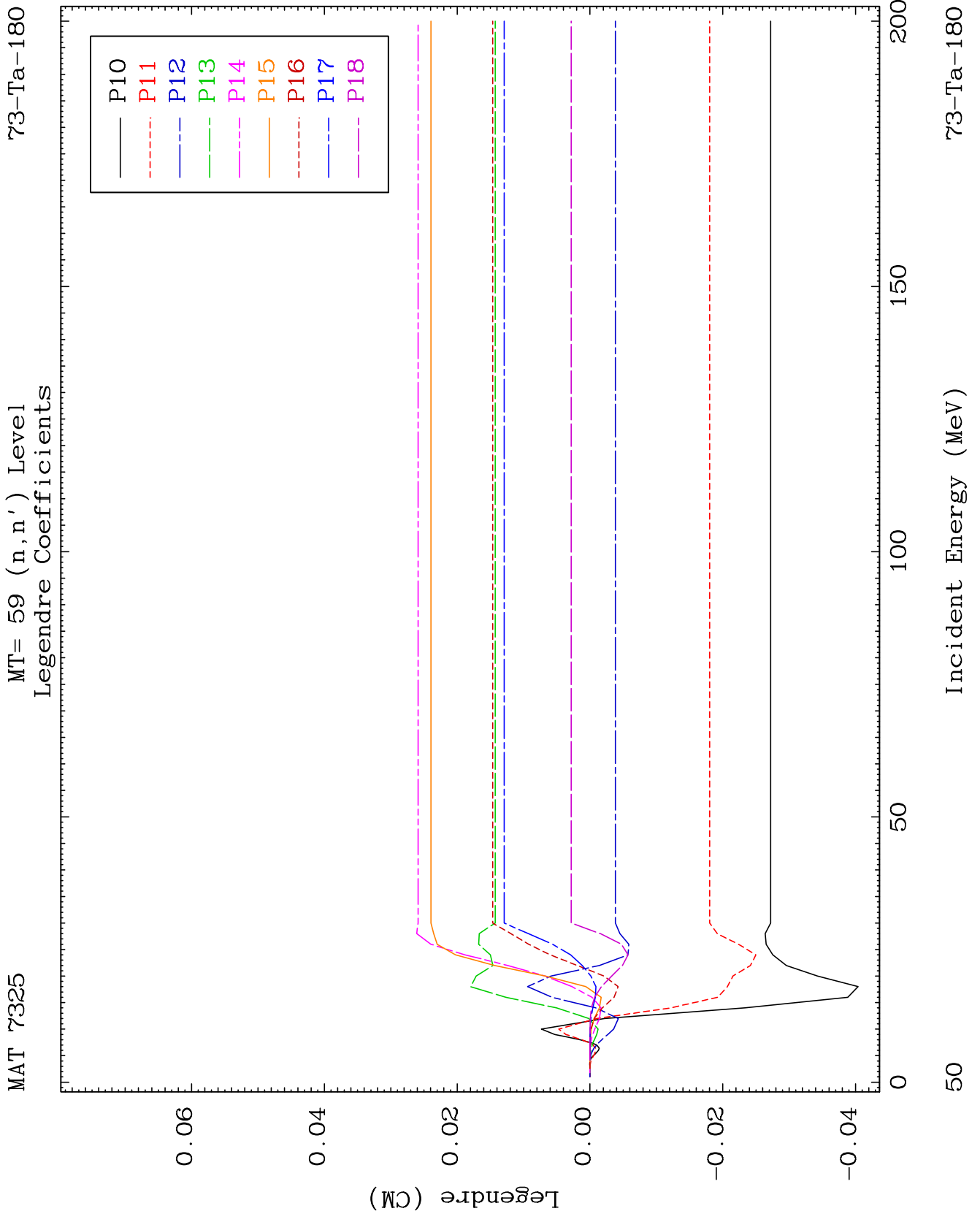


MAT 7325

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

73-Ta-180

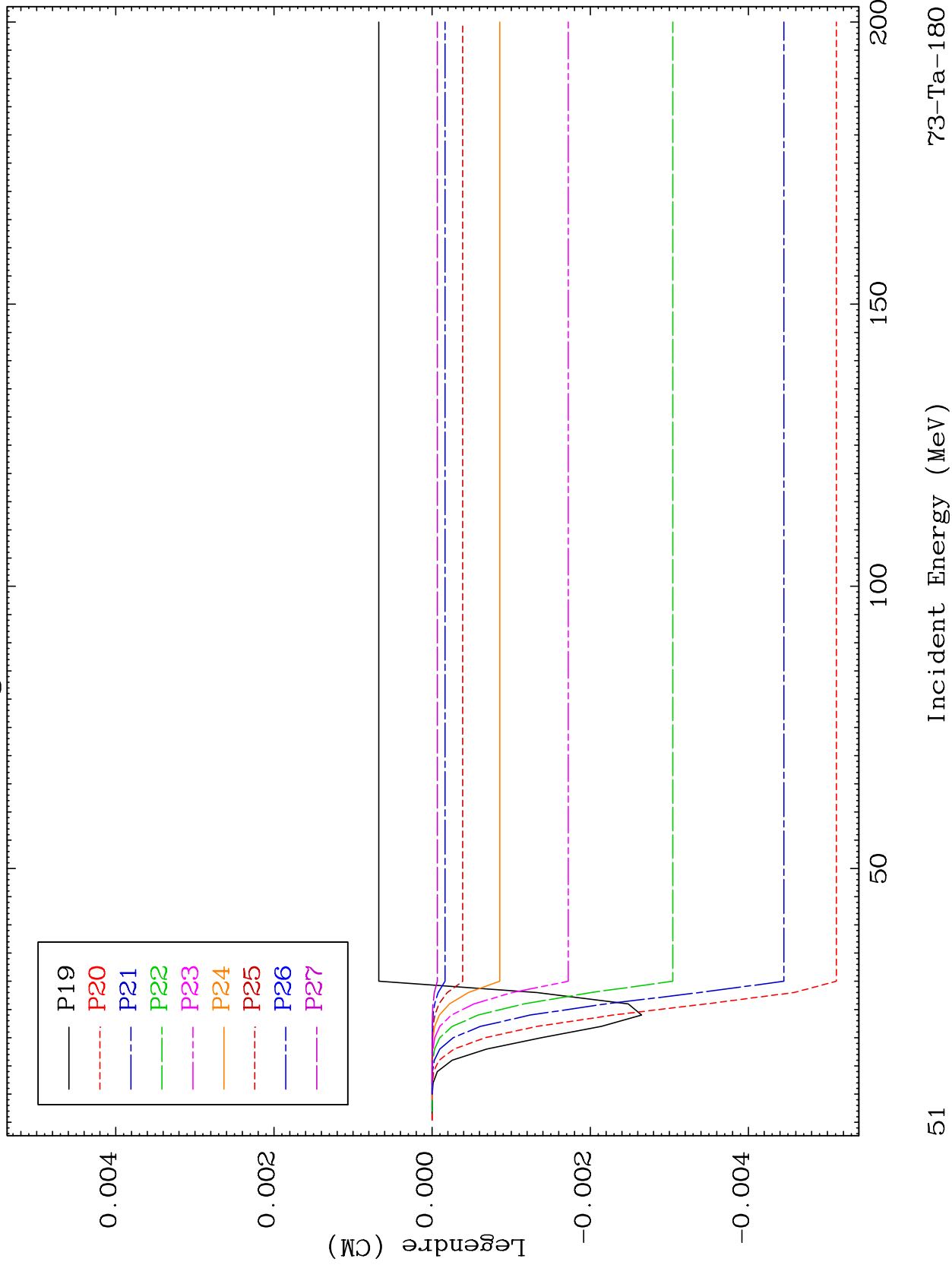


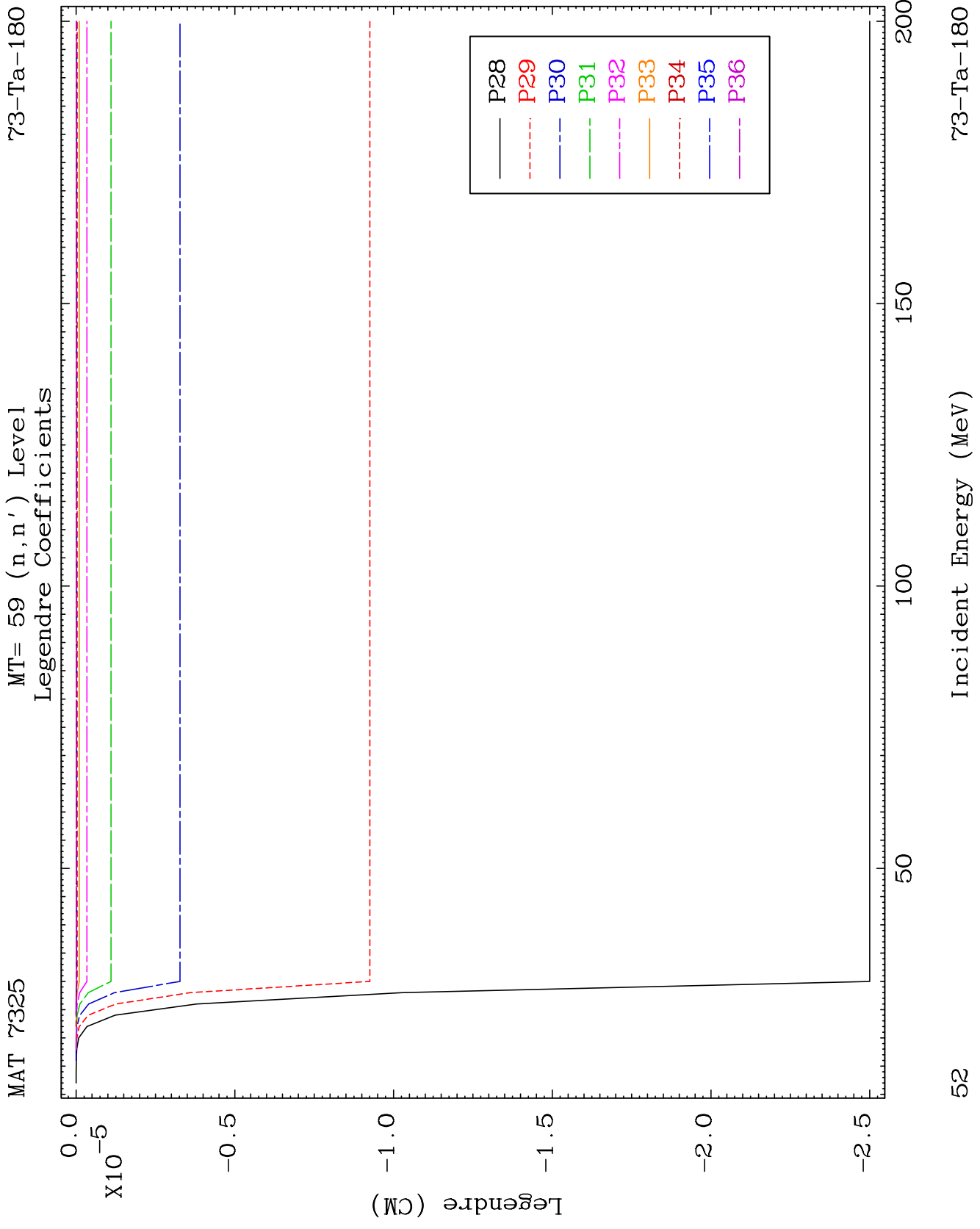


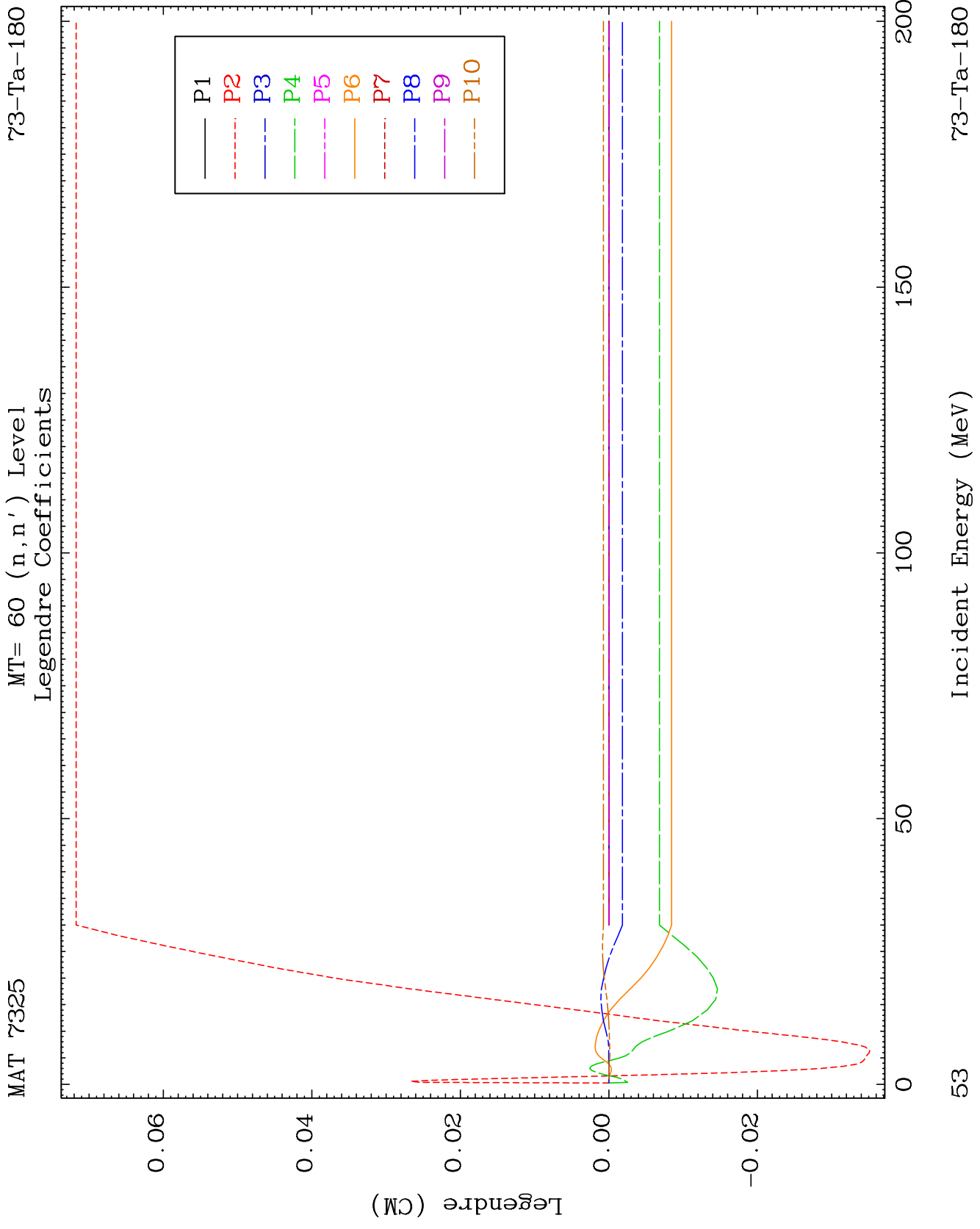
MAT 7325

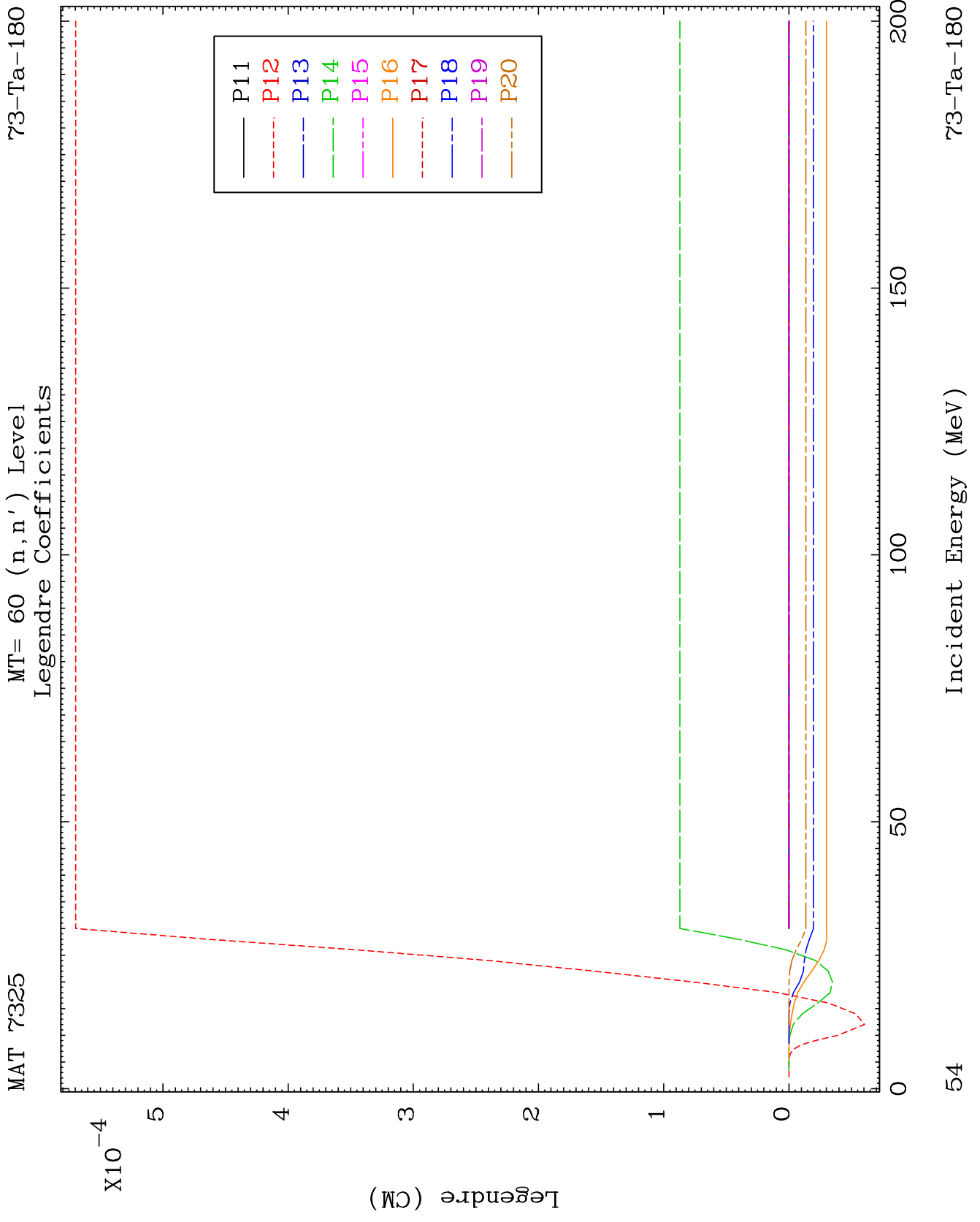
MT= 59 (n,n') Level
Legendre Coefficients

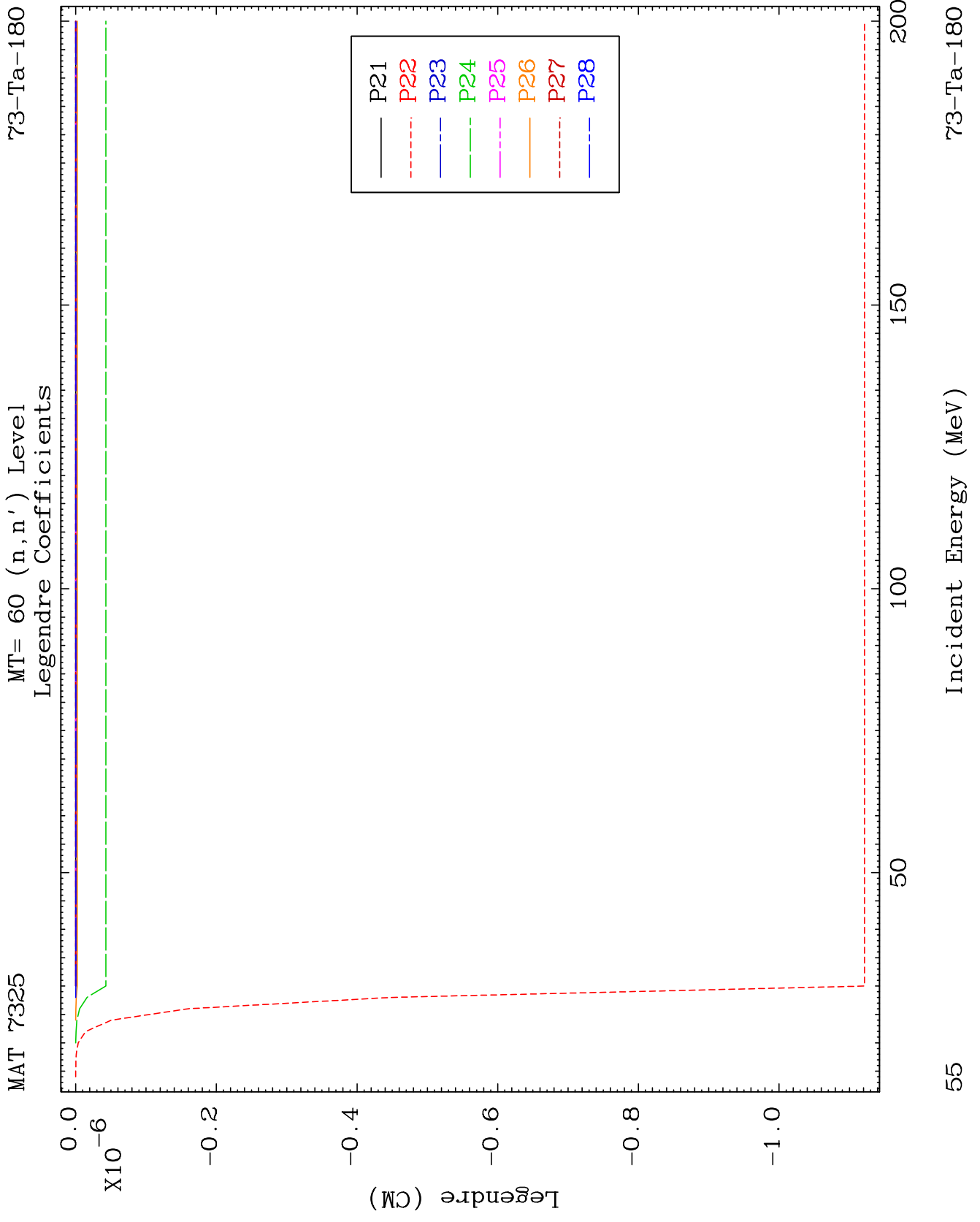
73-Ta-180

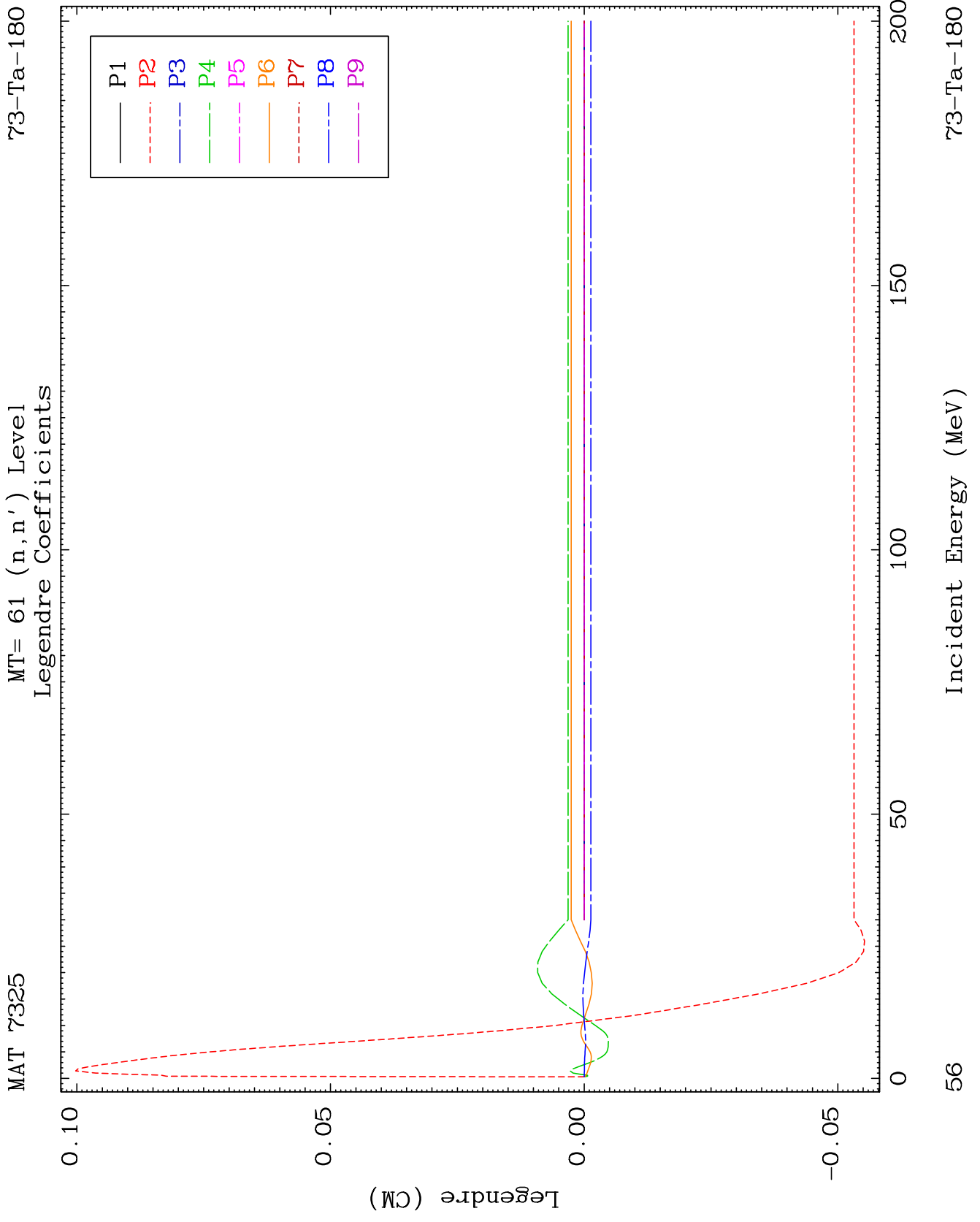








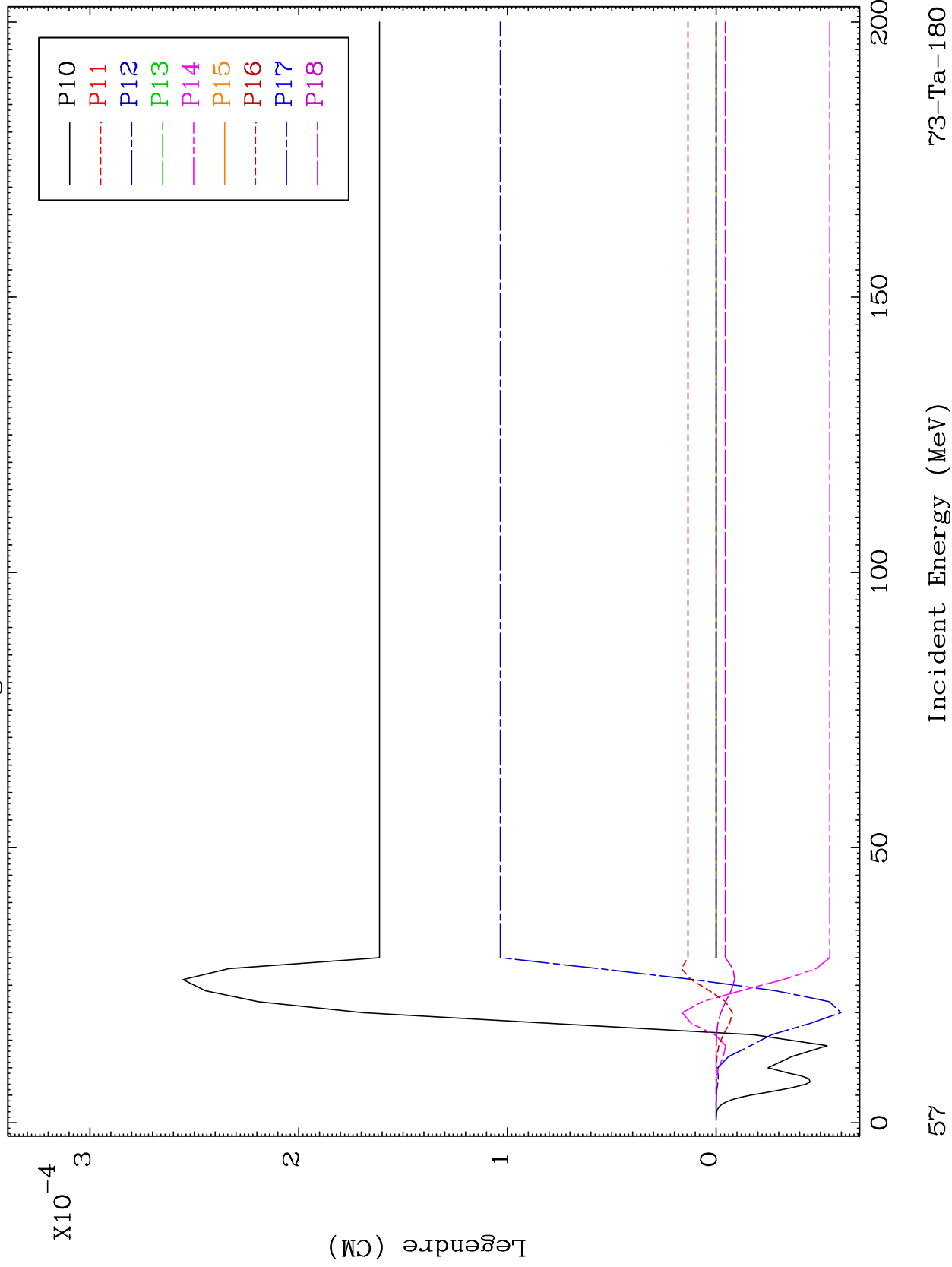




MAT 7325

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

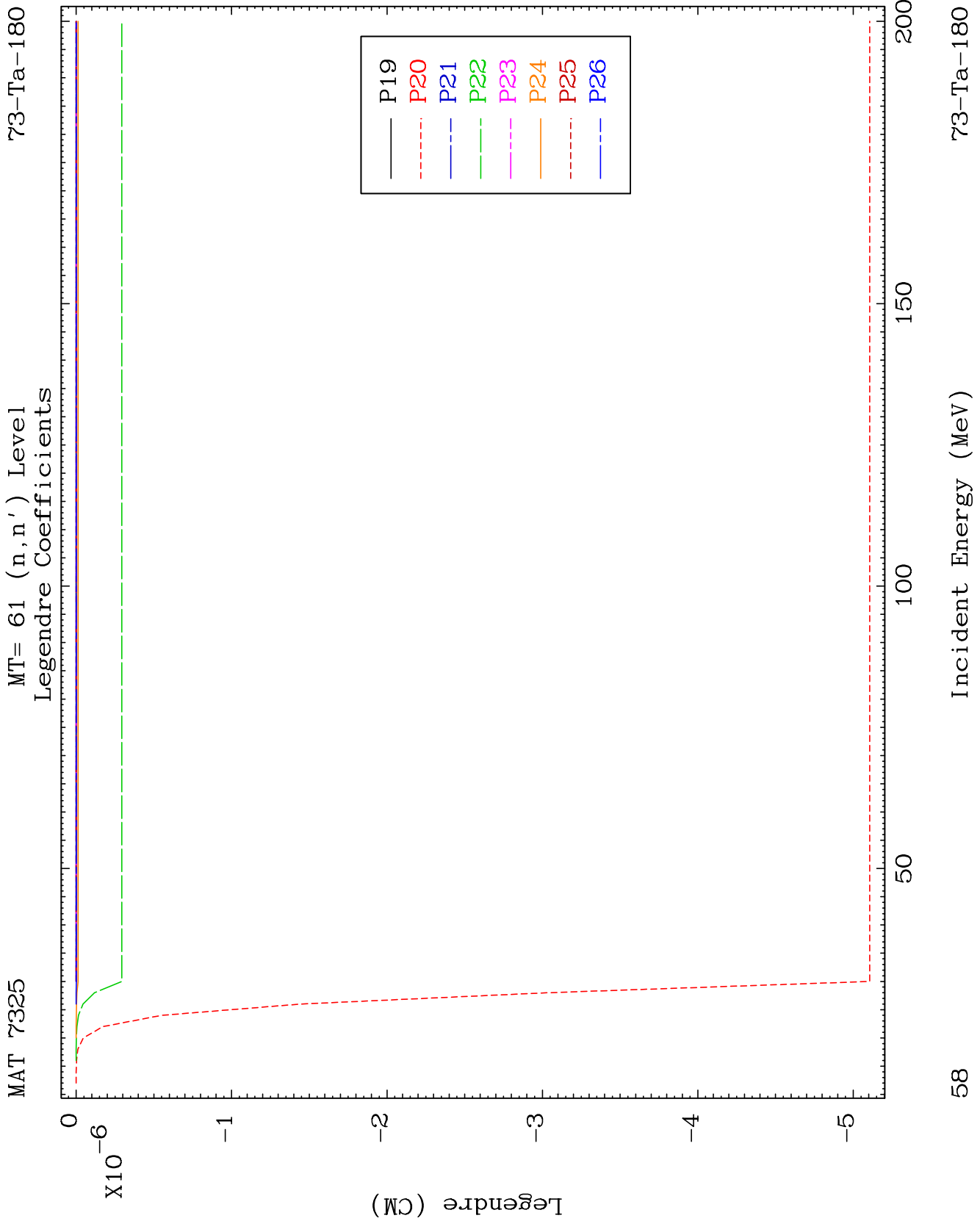
73-Ta-180

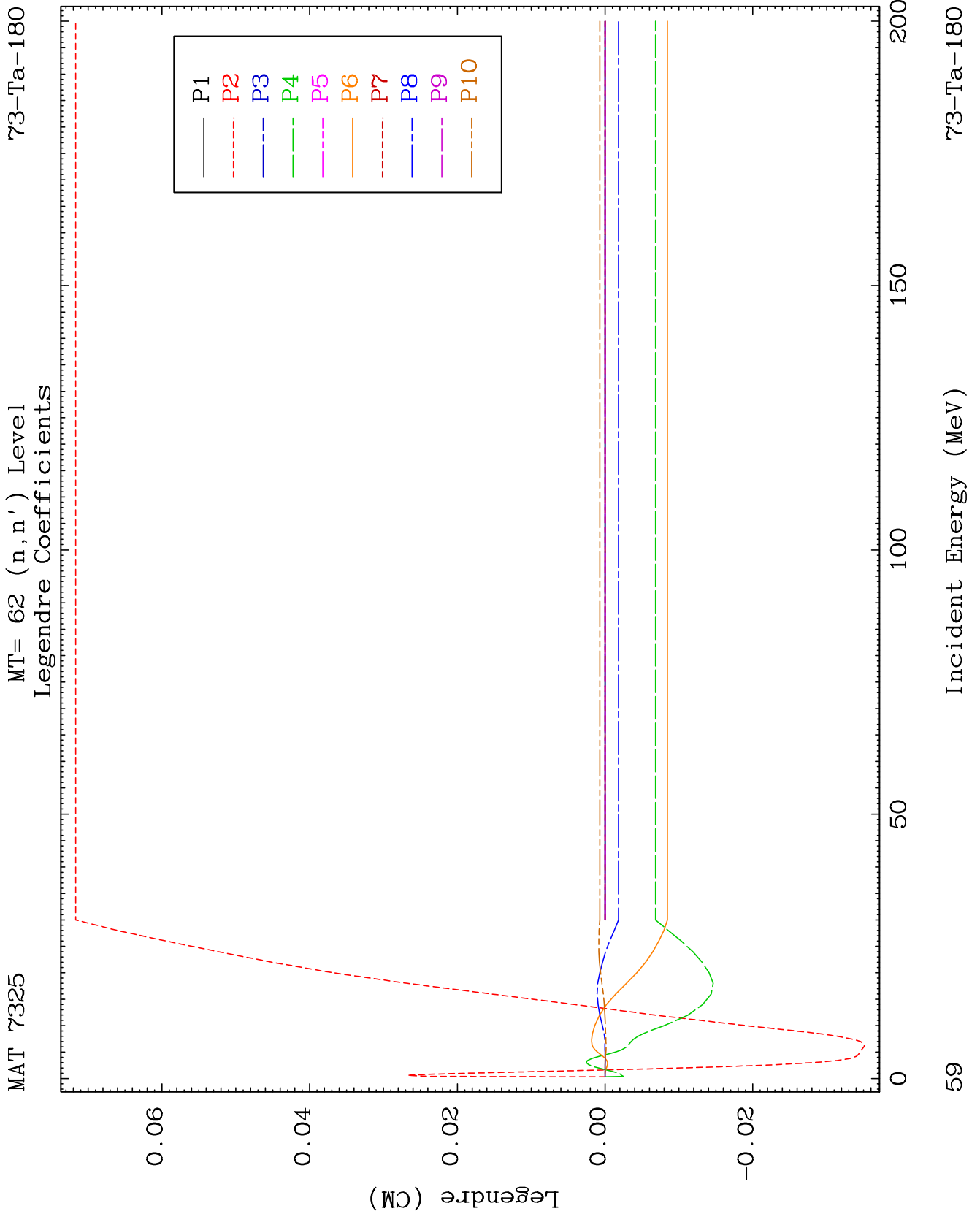


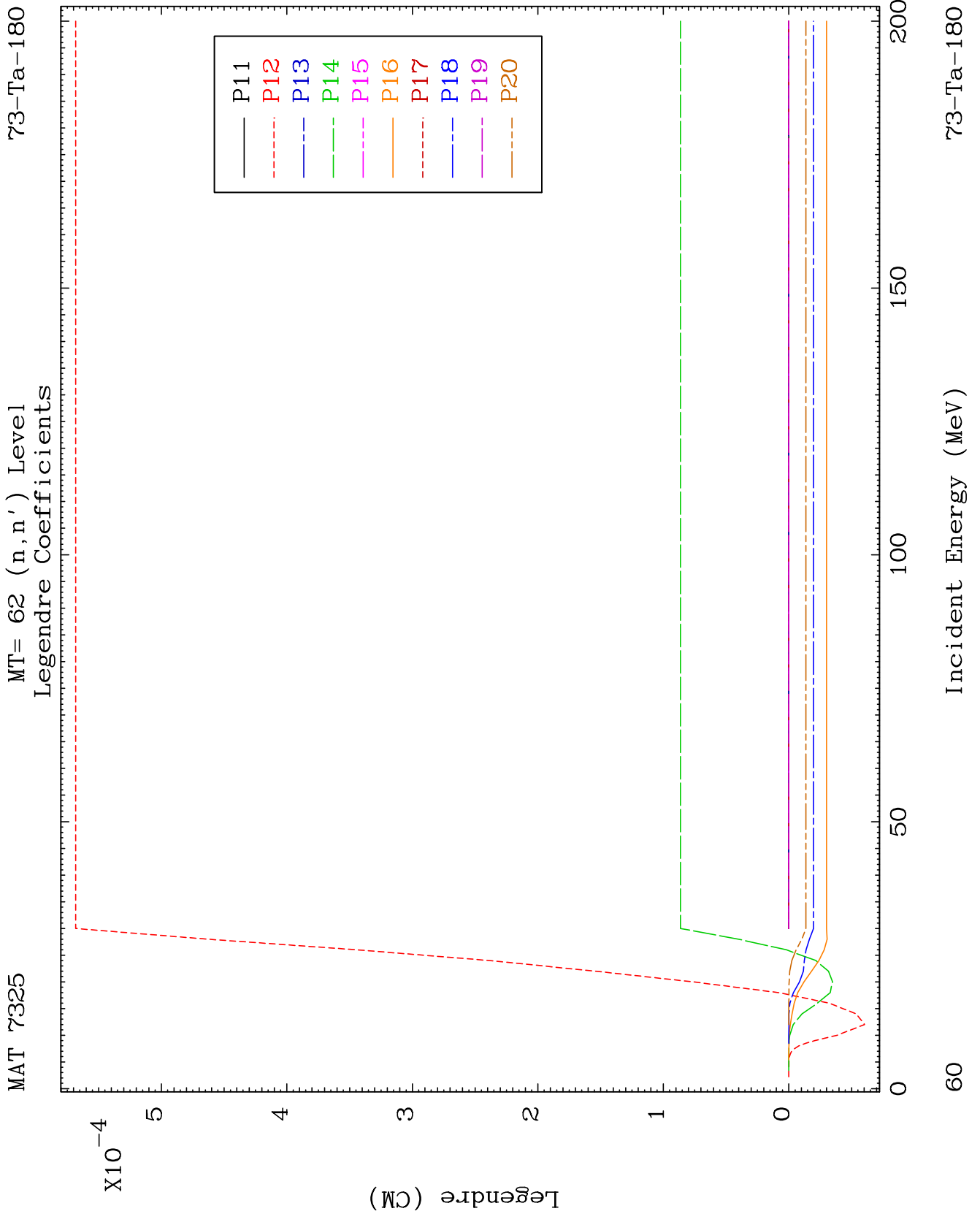
57

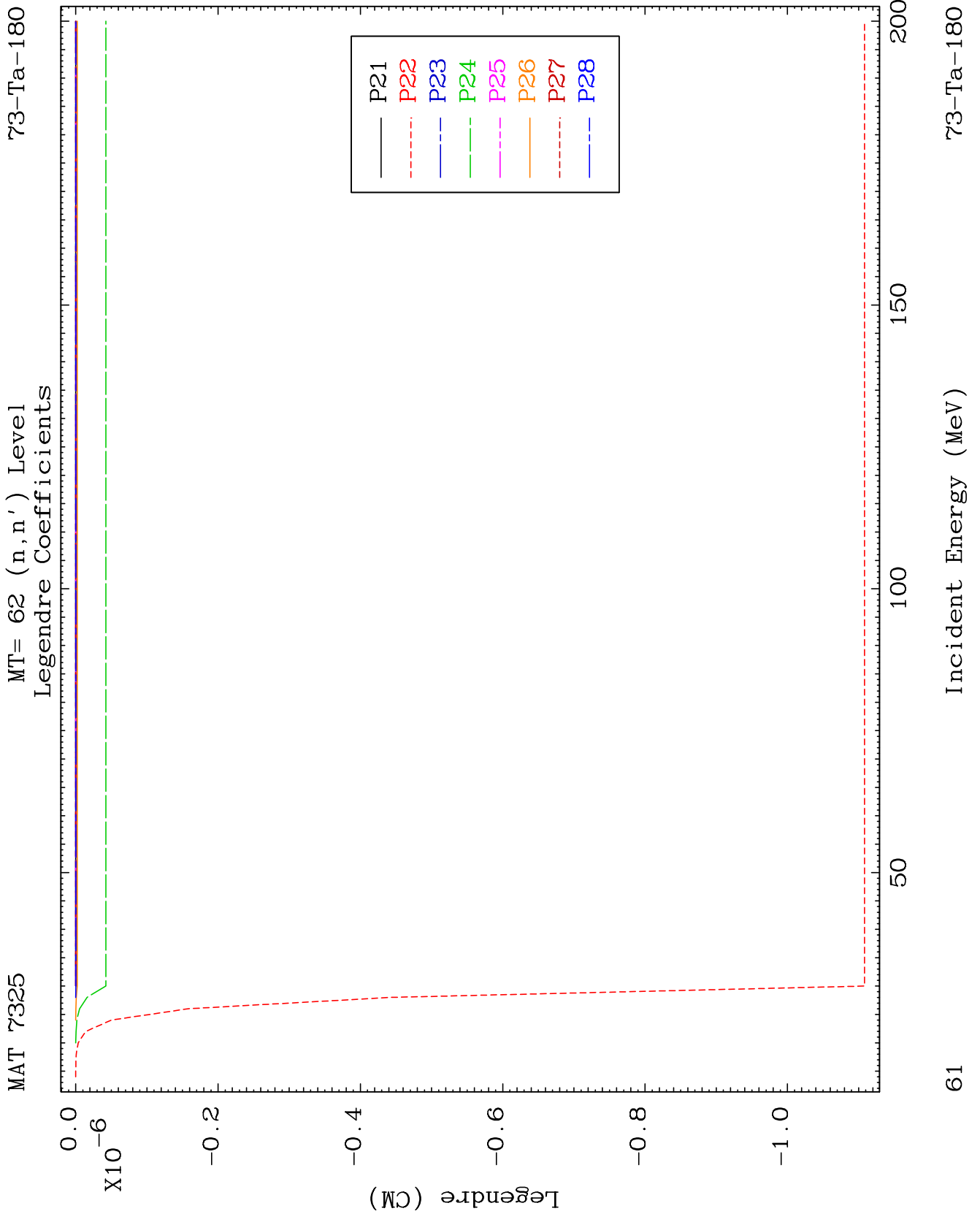
Incident Energy (MeV)

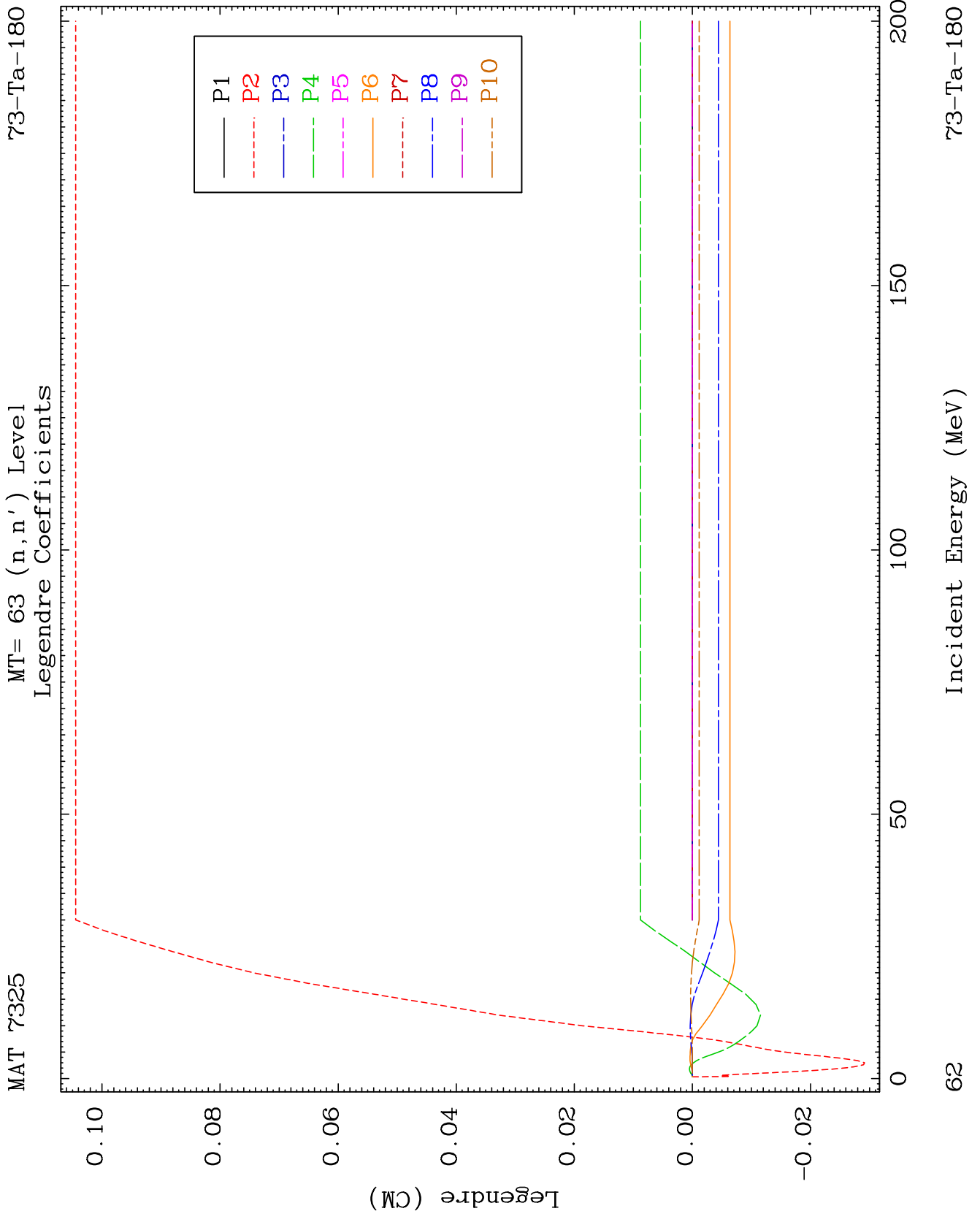
73-Ta-180

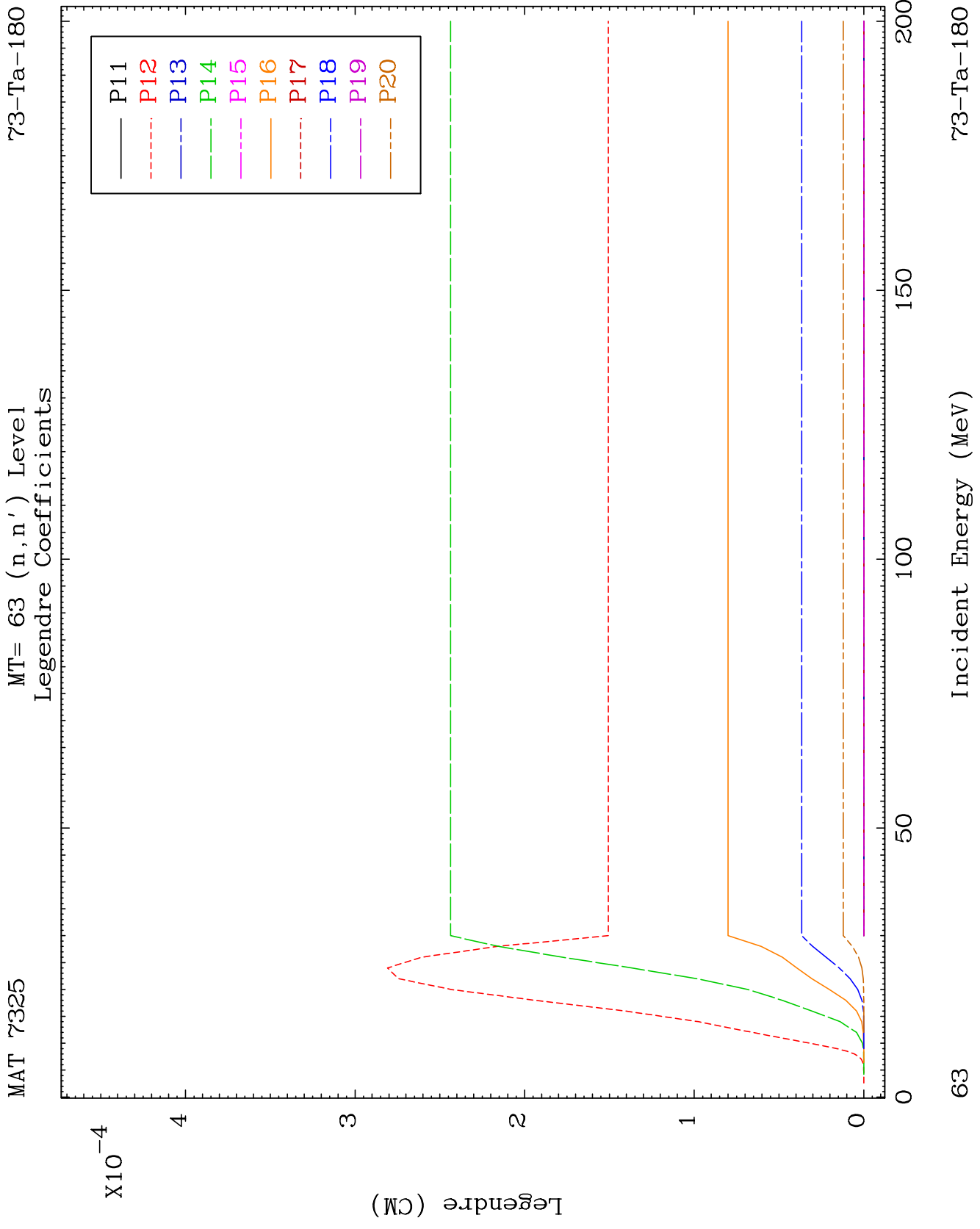


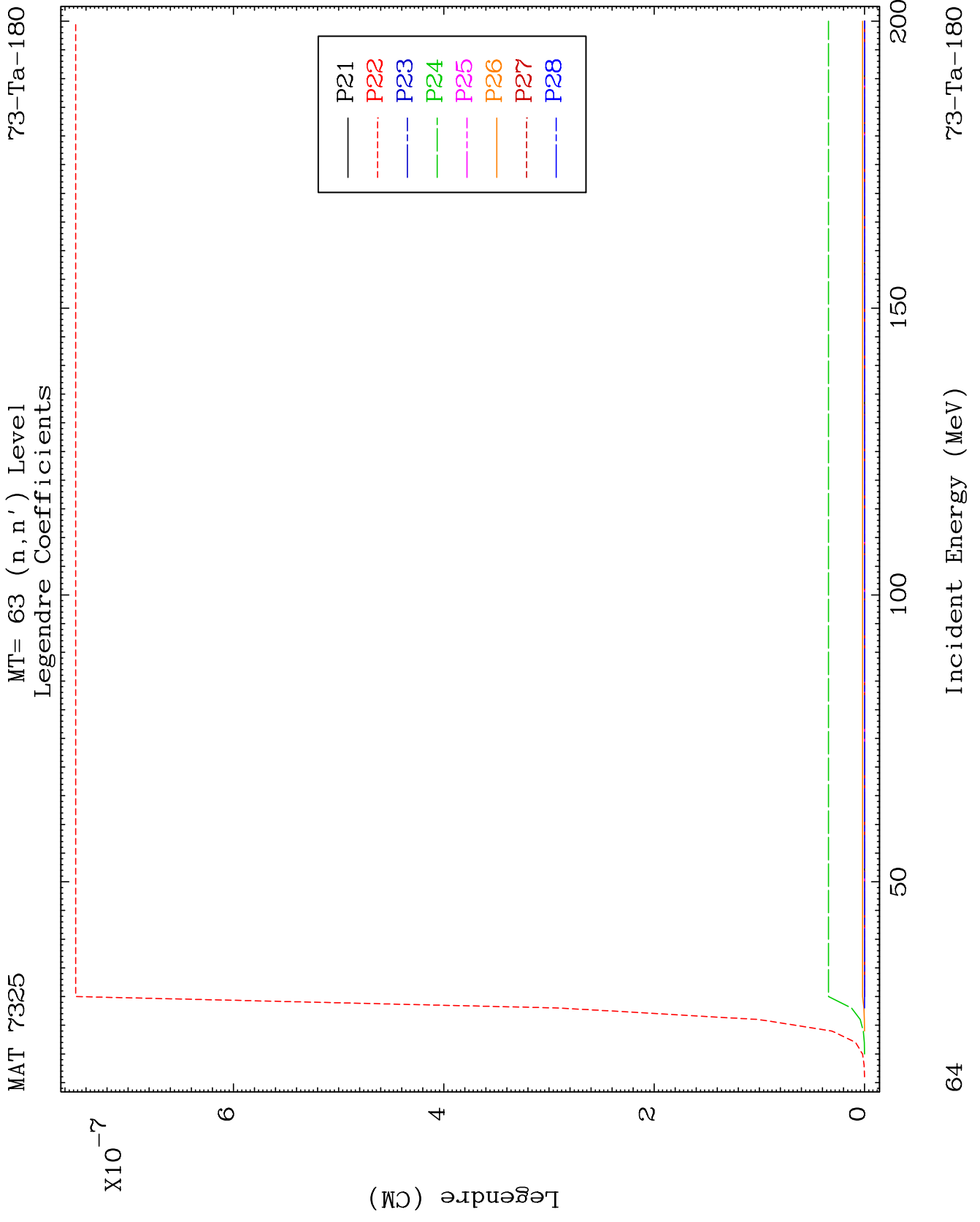


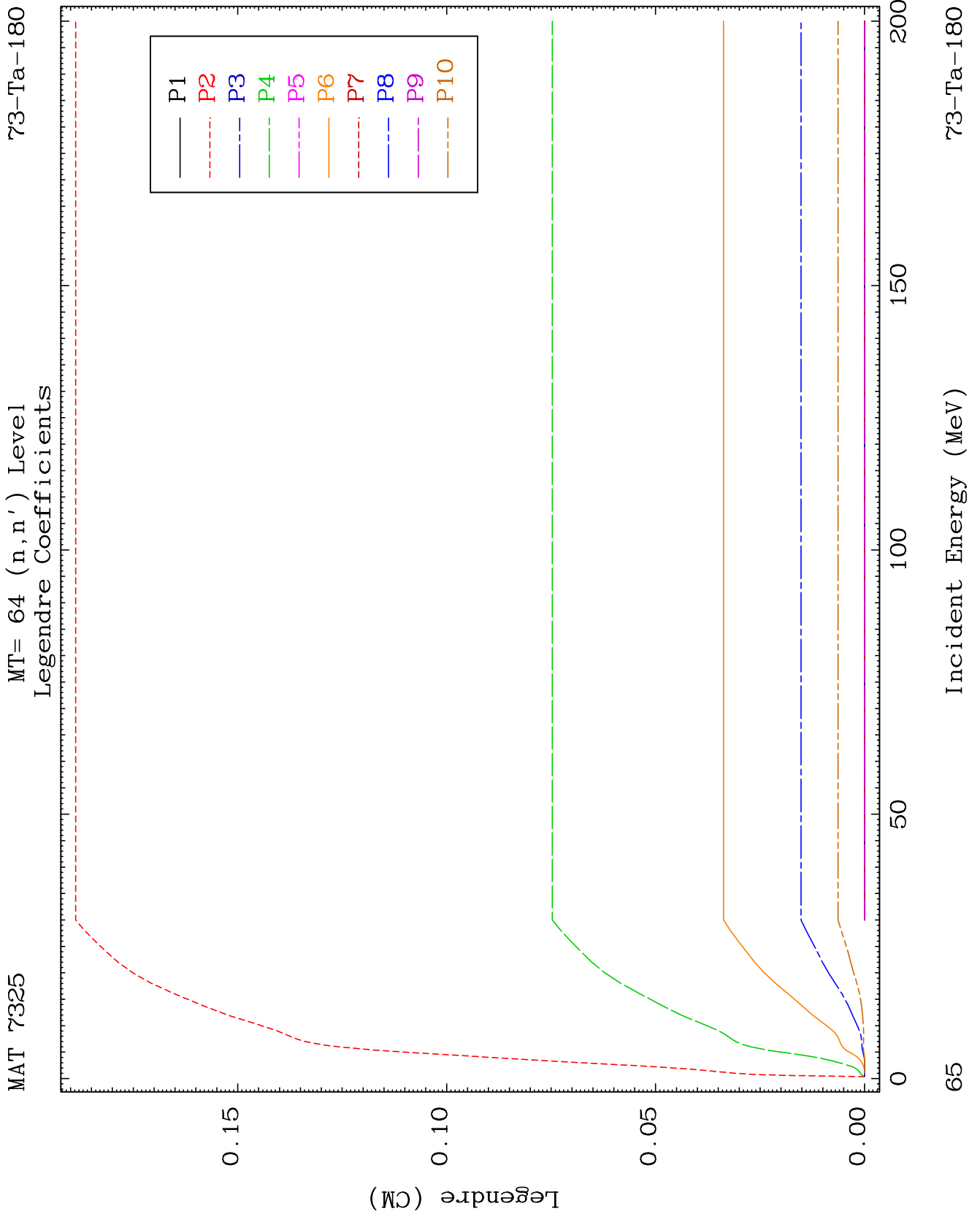


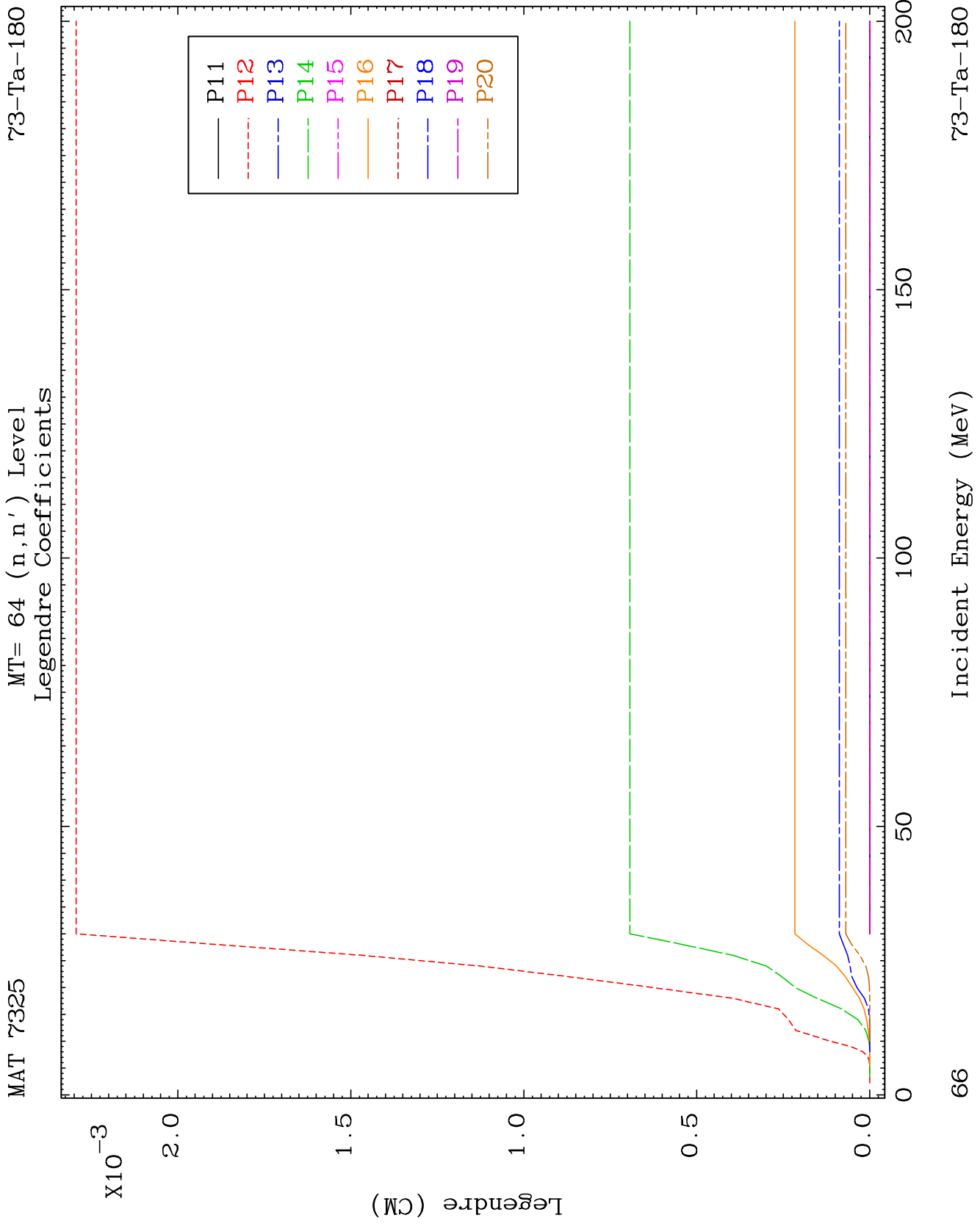








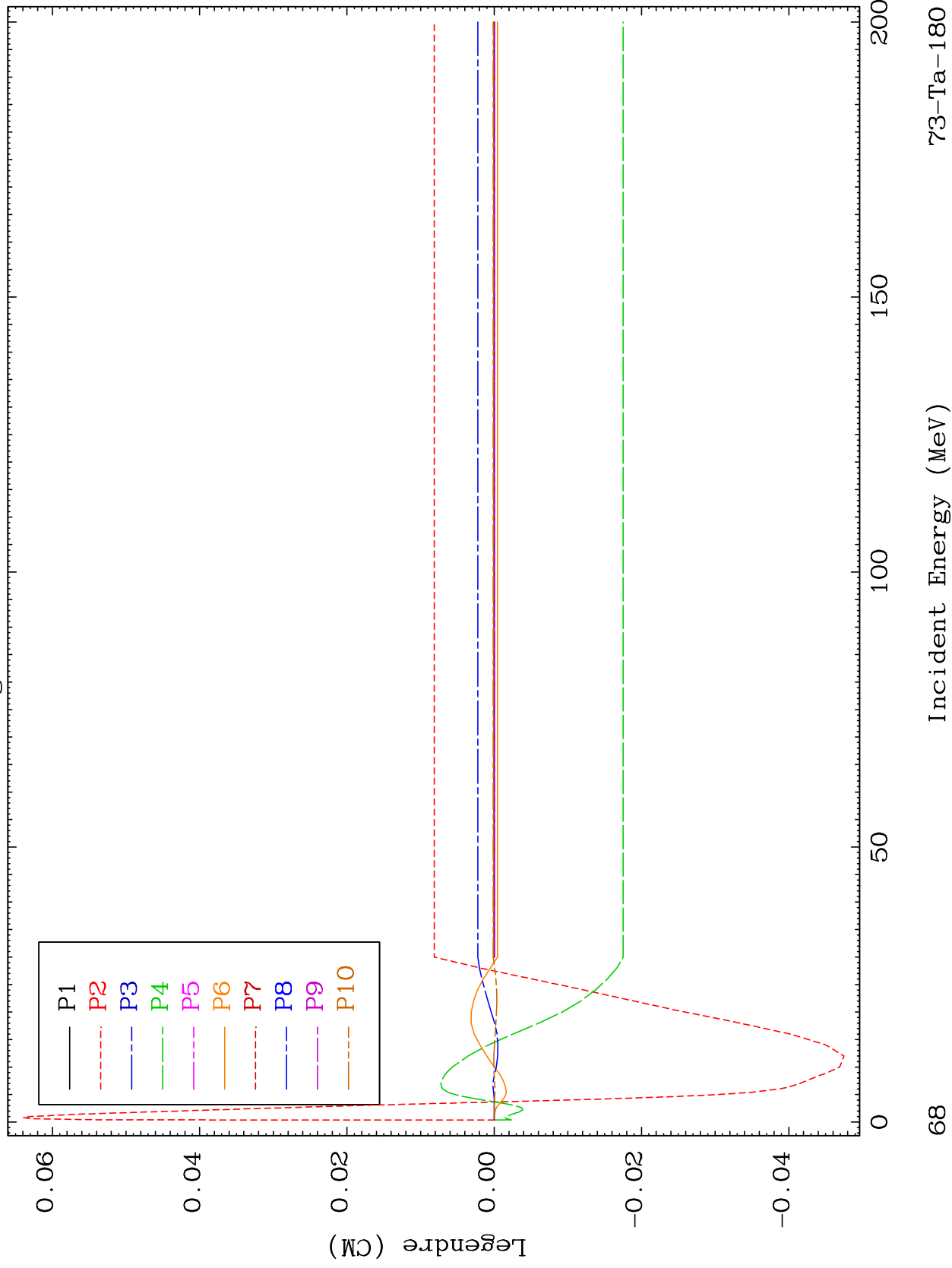




MAT 7325

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

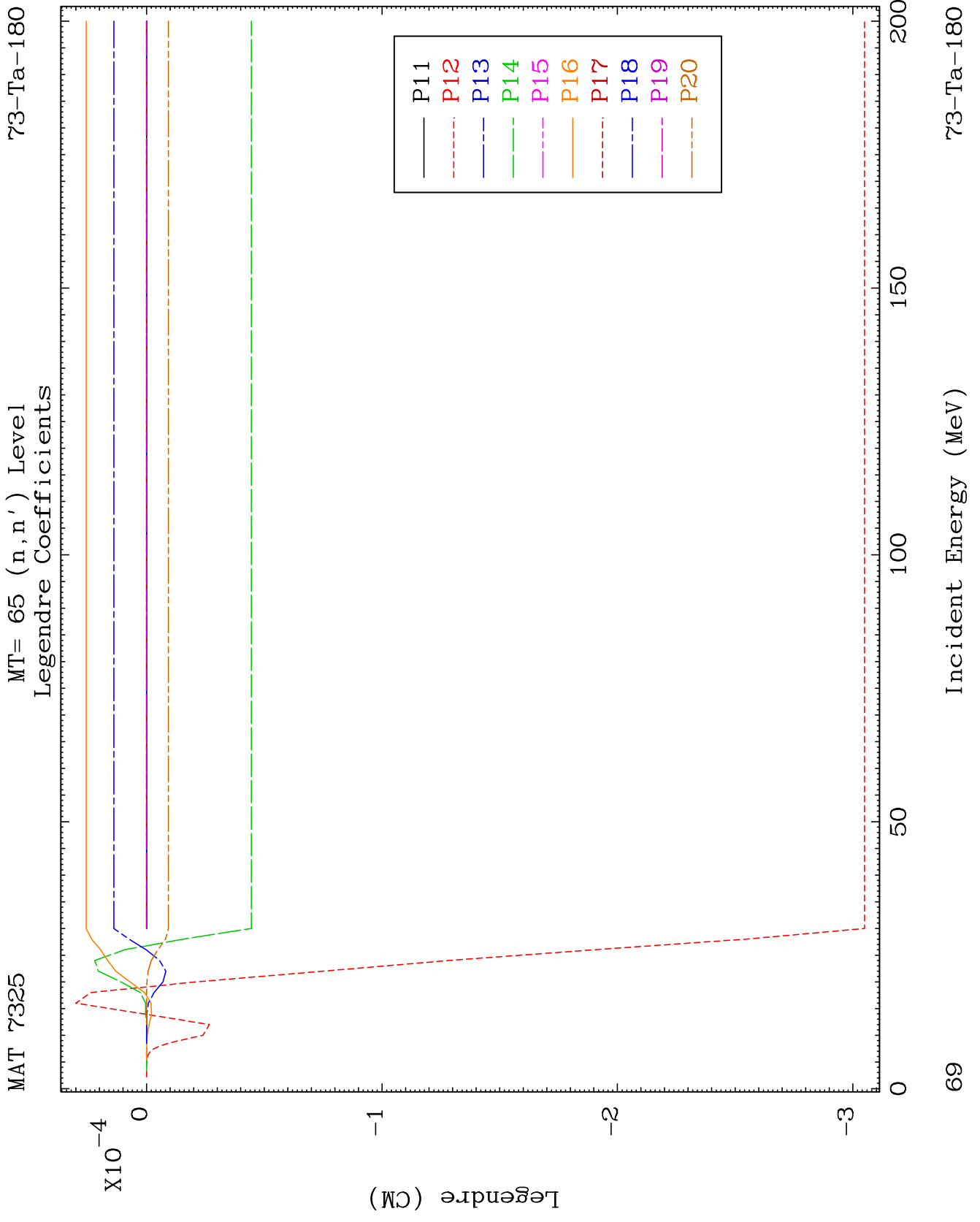
73-Ta-180

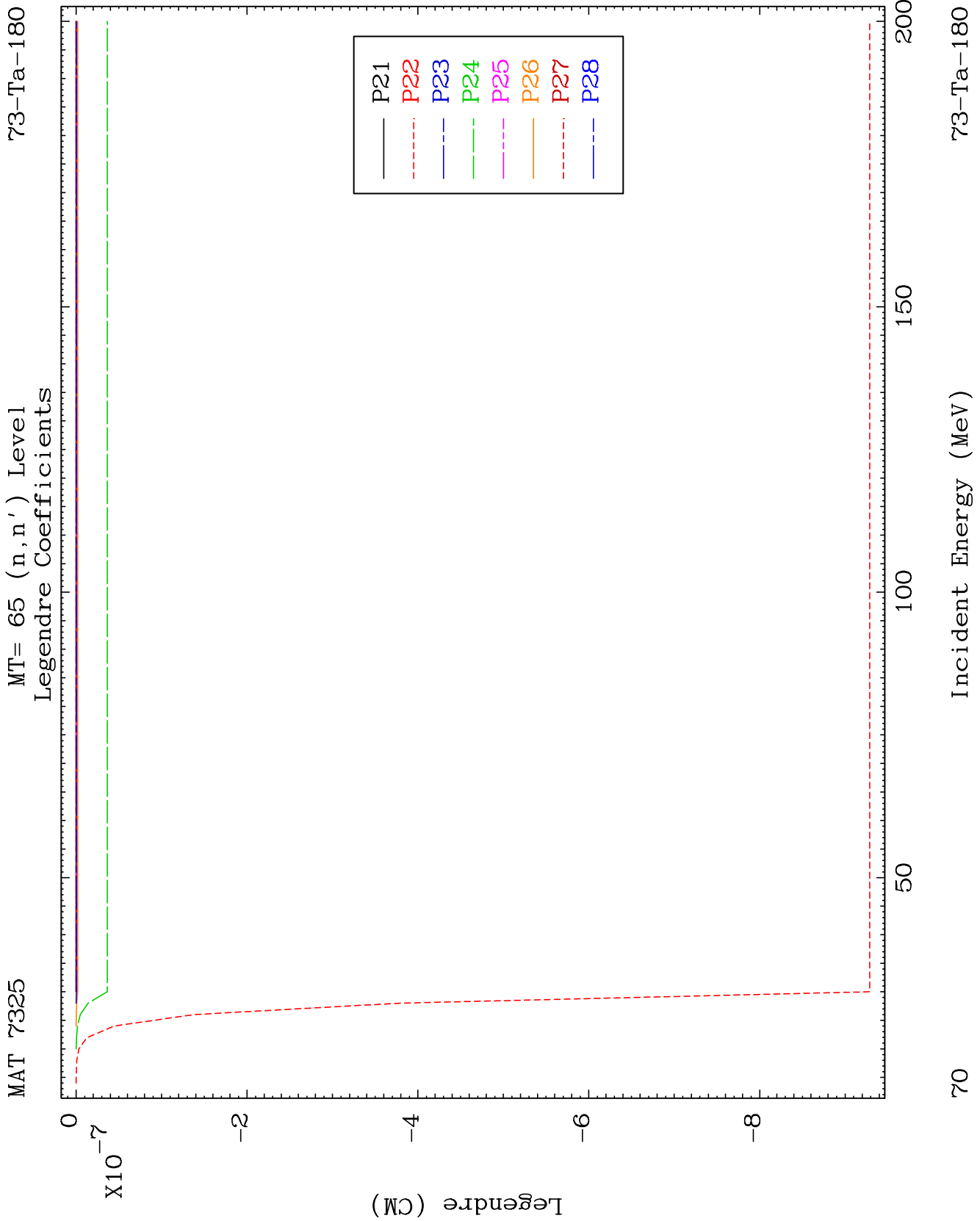


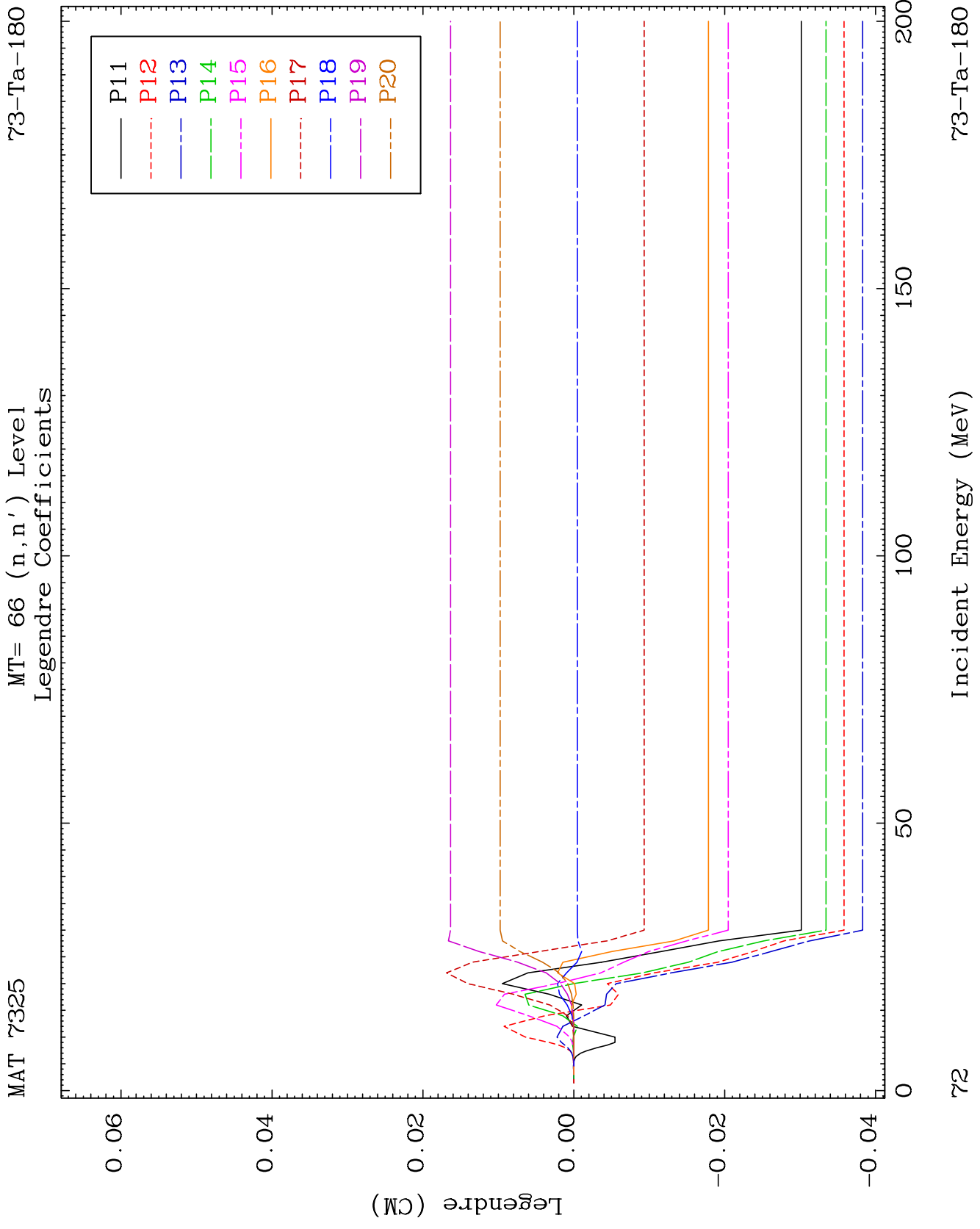
73-Ta-180

Incident Energy (MeV)

68



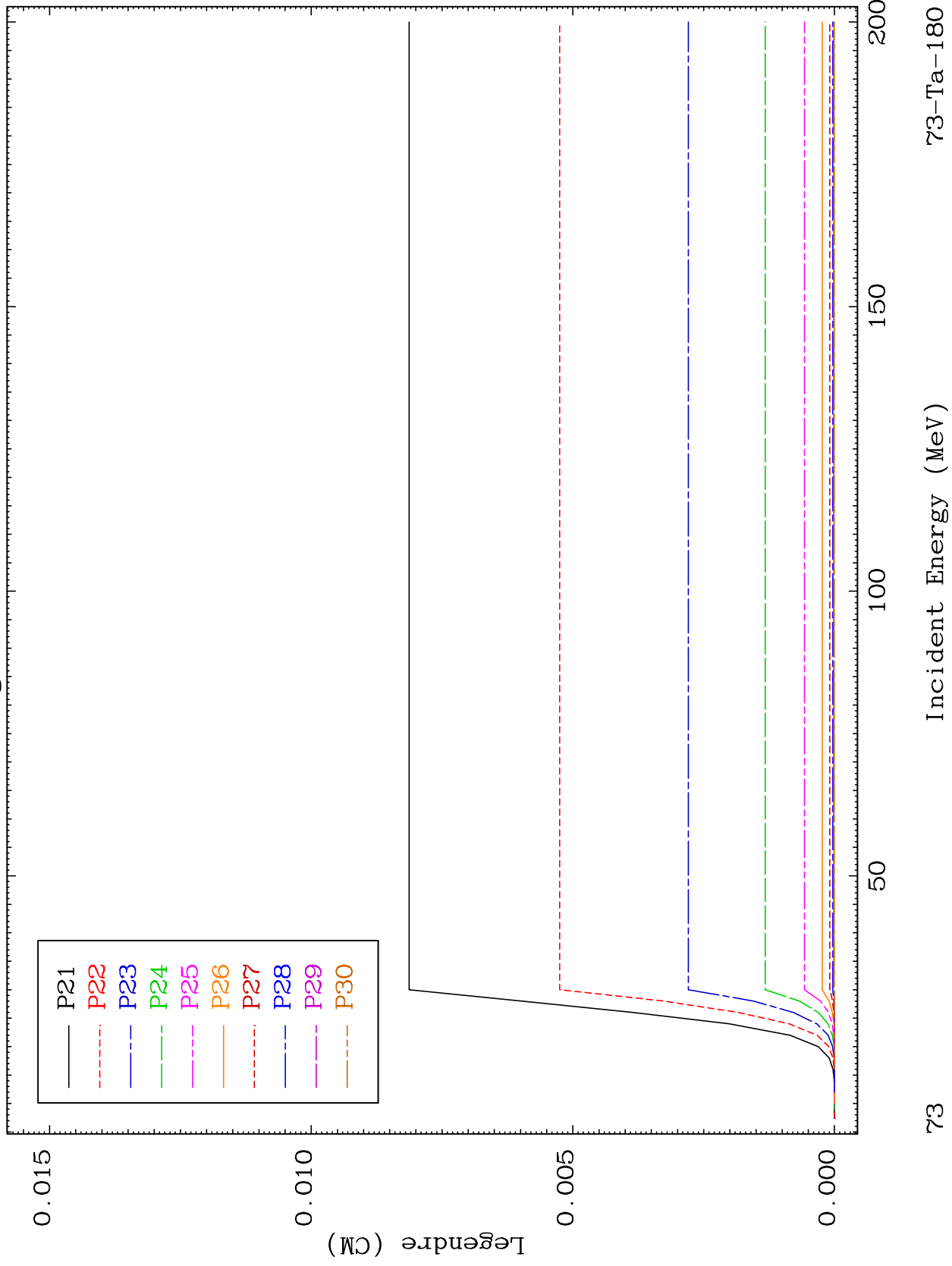




MAT 7325

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

73-Ta-180



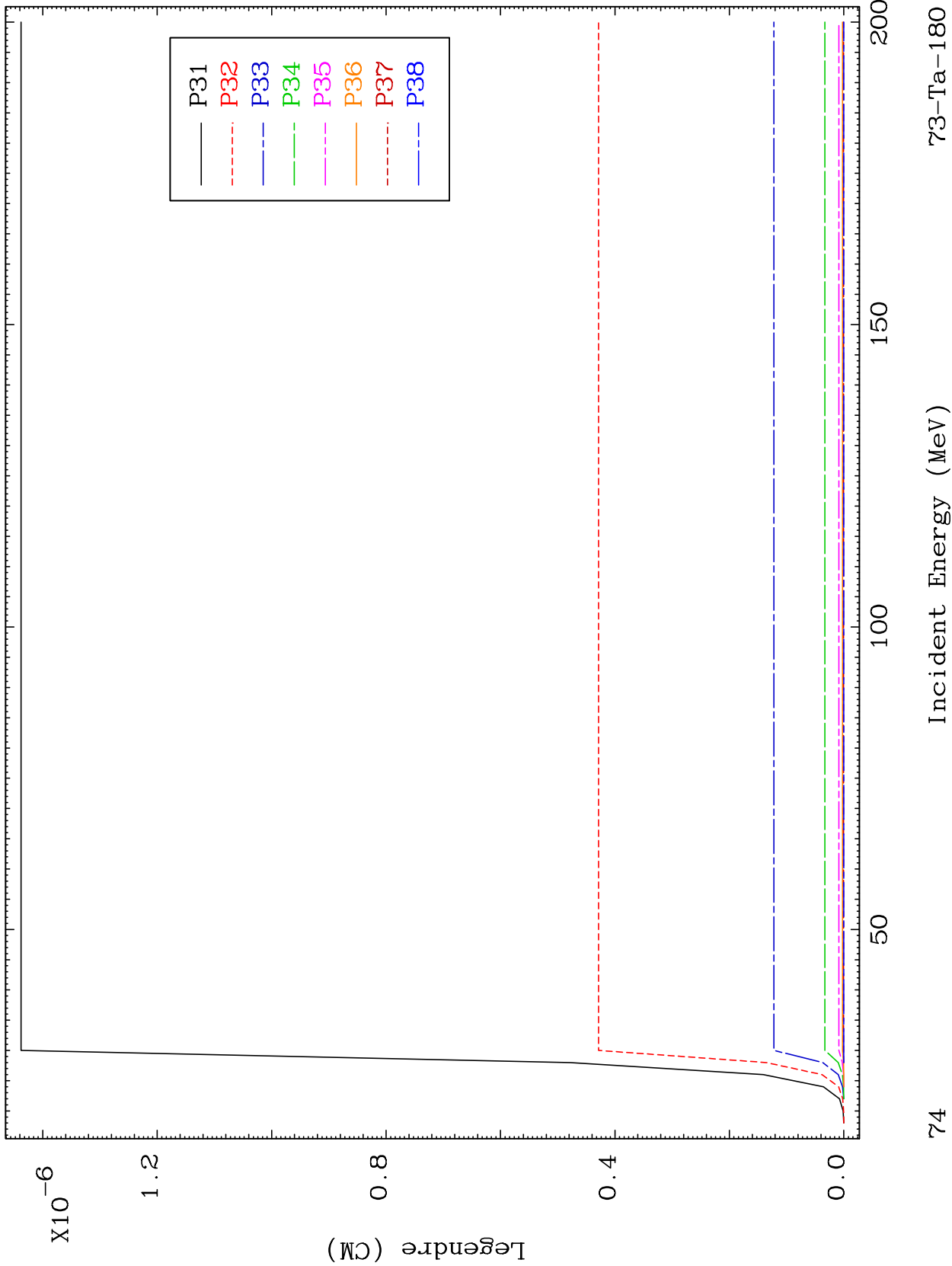
73

73-Ta-180

MAT 7325

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

73-Ta-180

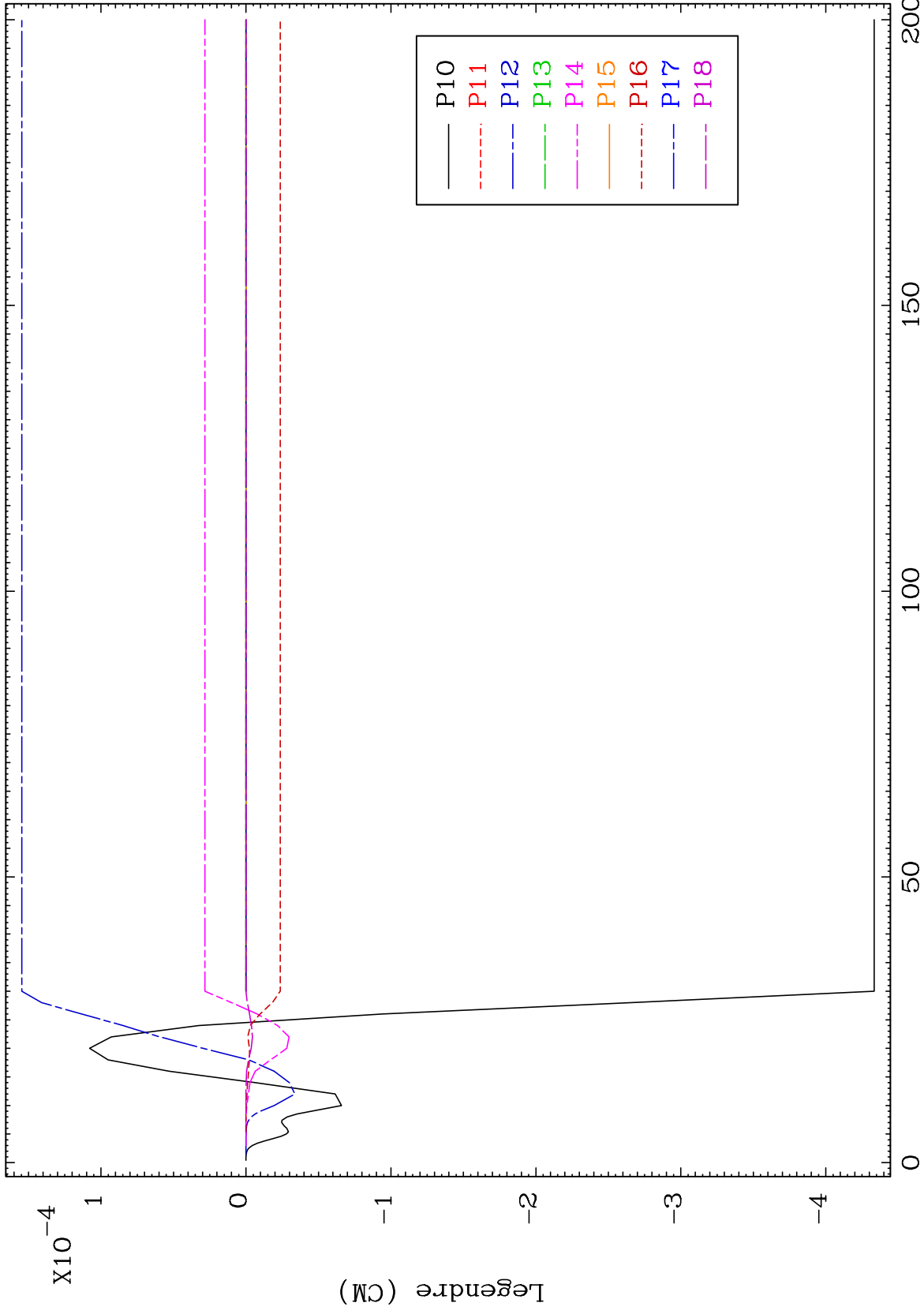


74

MAT 7325

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

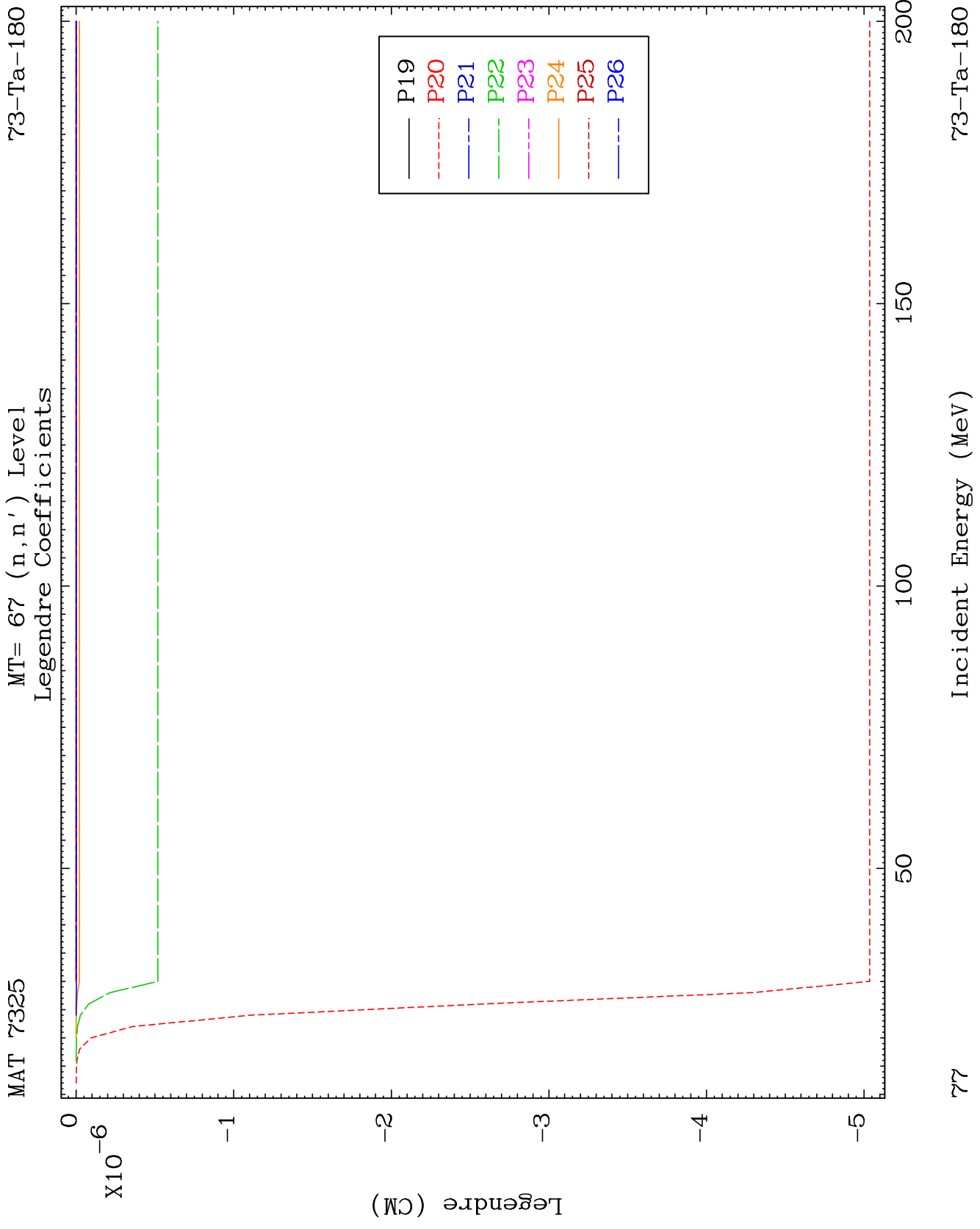
73-Ta-180



76

Incident Energy (MeV)

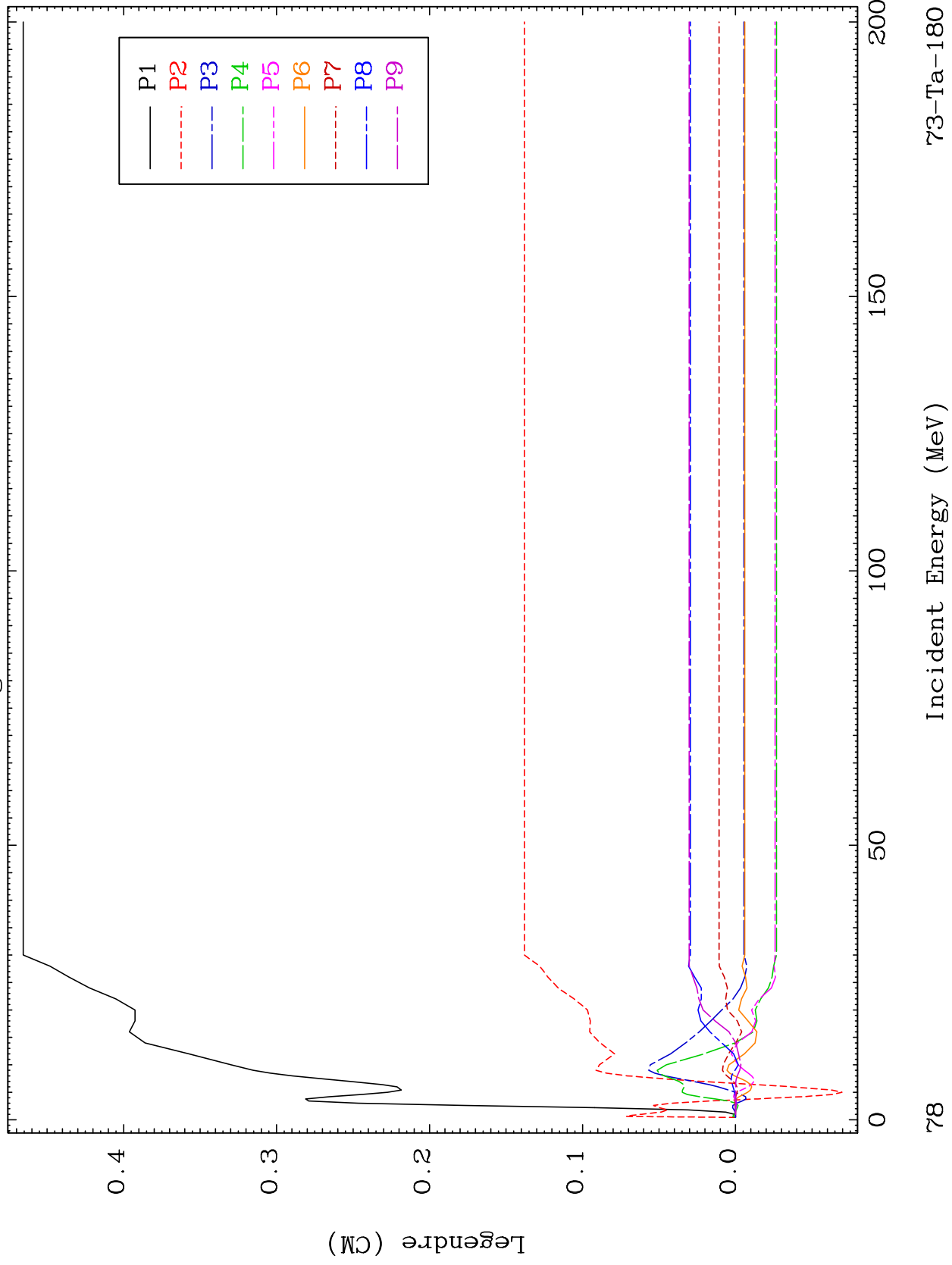
73-Ta-180



MAT 7325

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

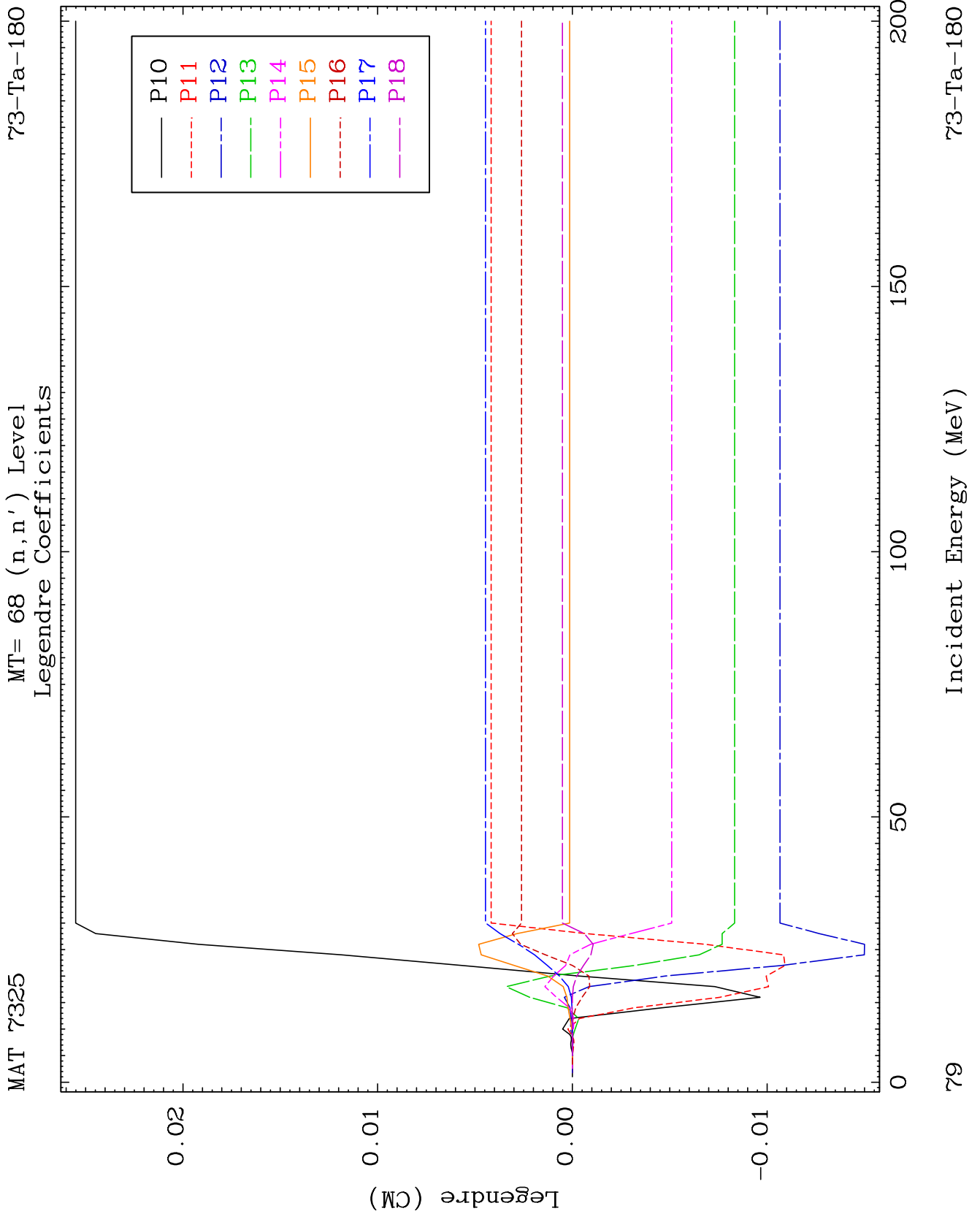
73-Ta-180



73-Ta-180

Incident Energy (MeV)

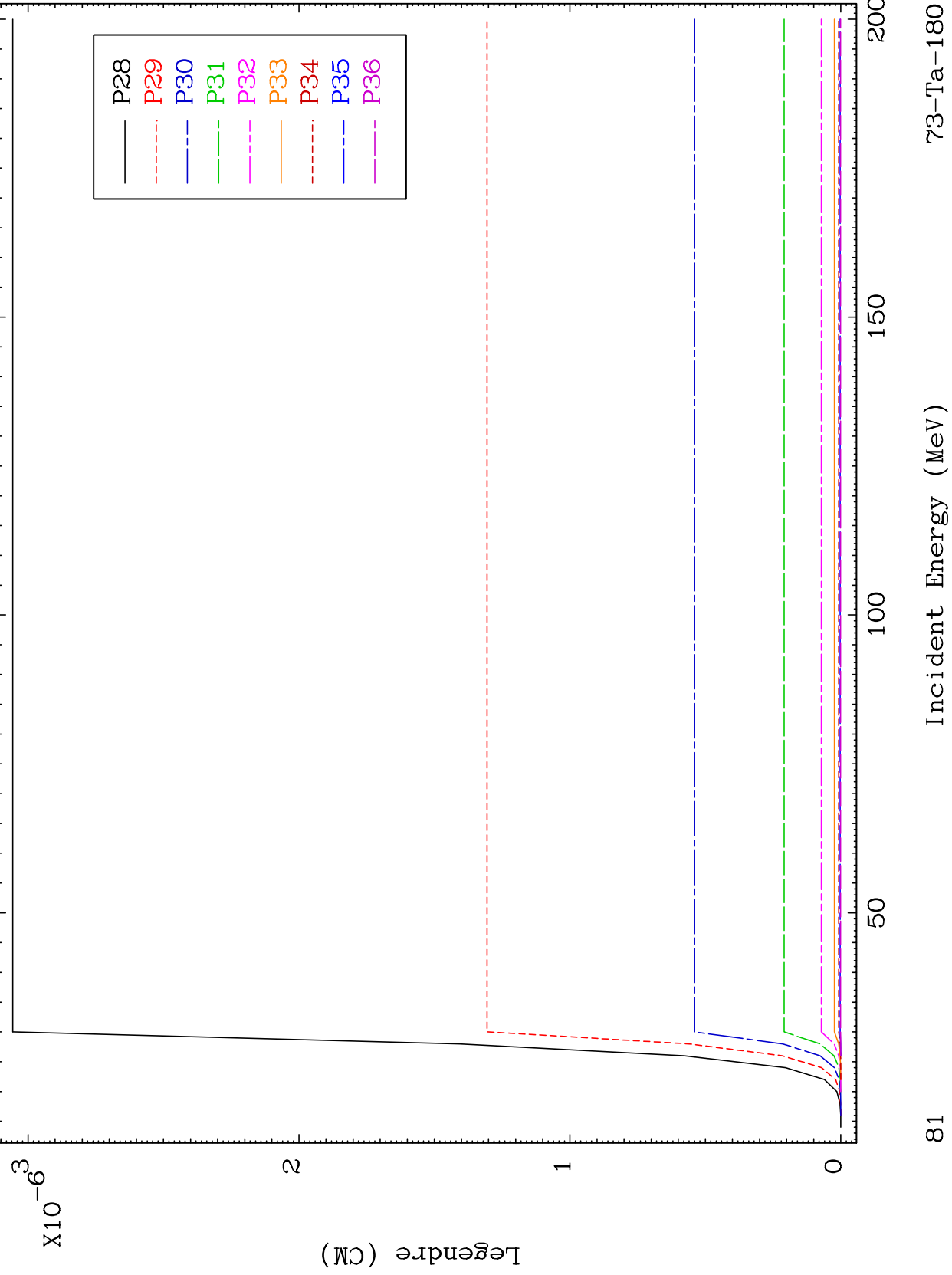
78



MAT 7325

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

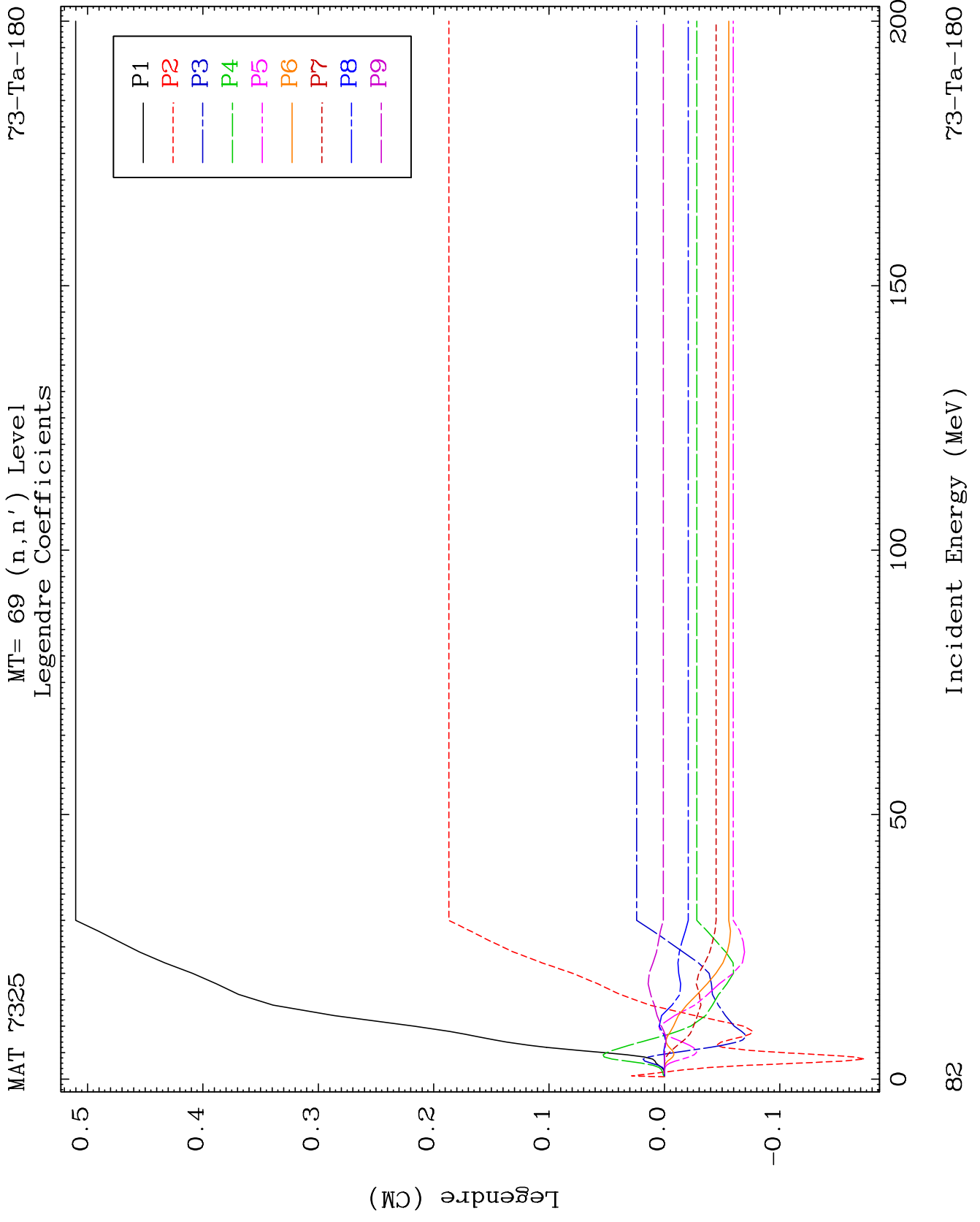
73-Ta-180

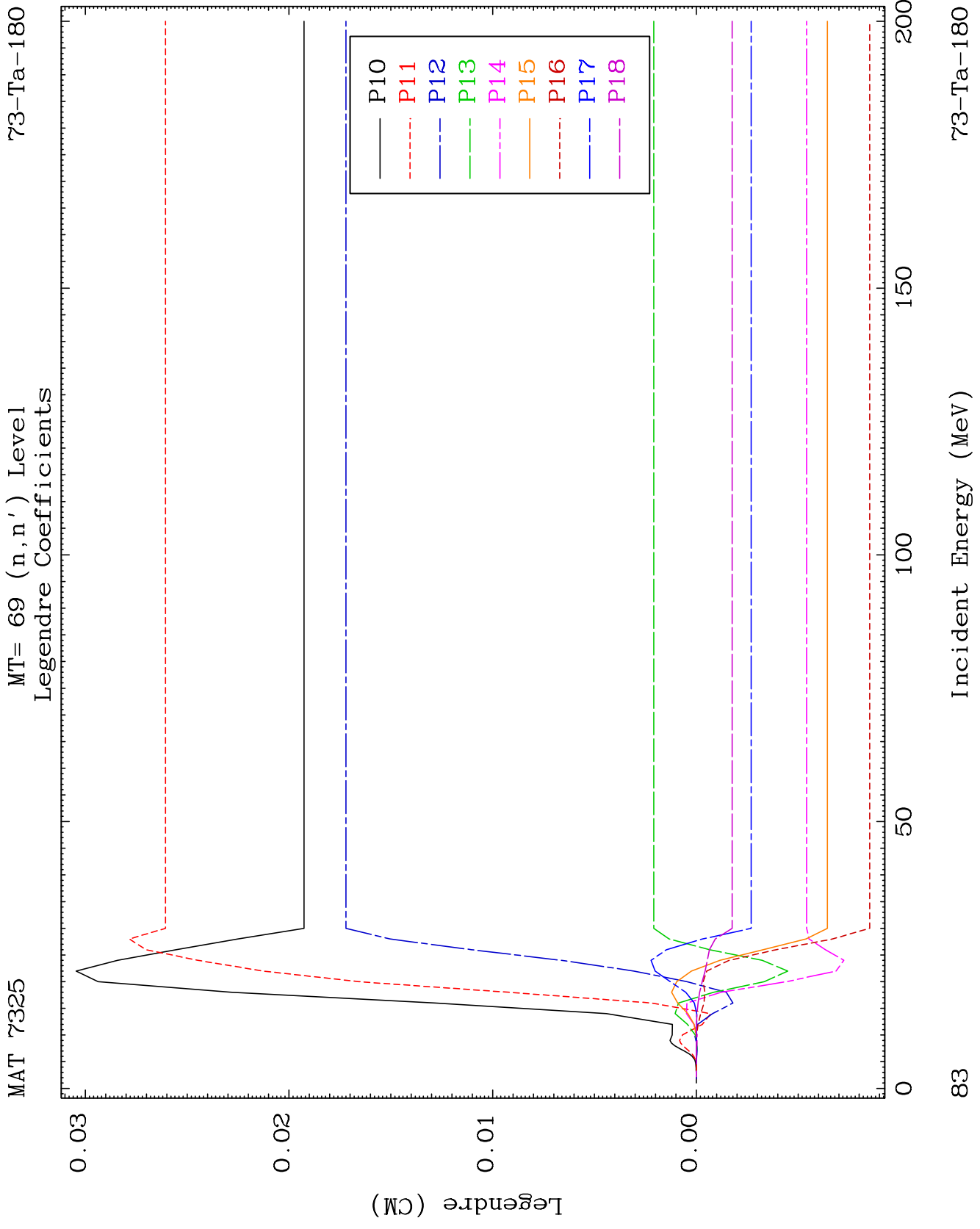


81

Incident Energy (MeV)

73-Ta-180

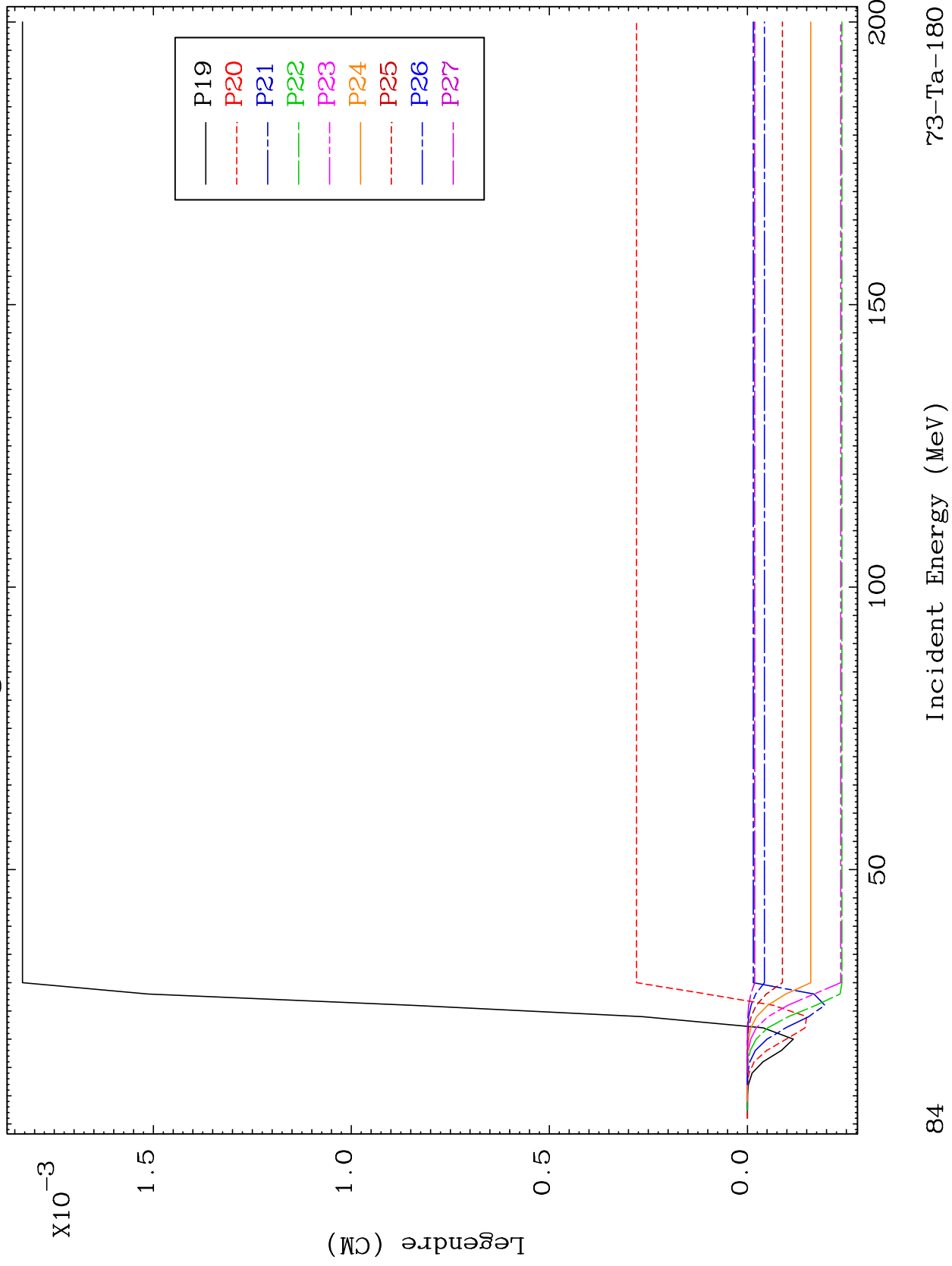


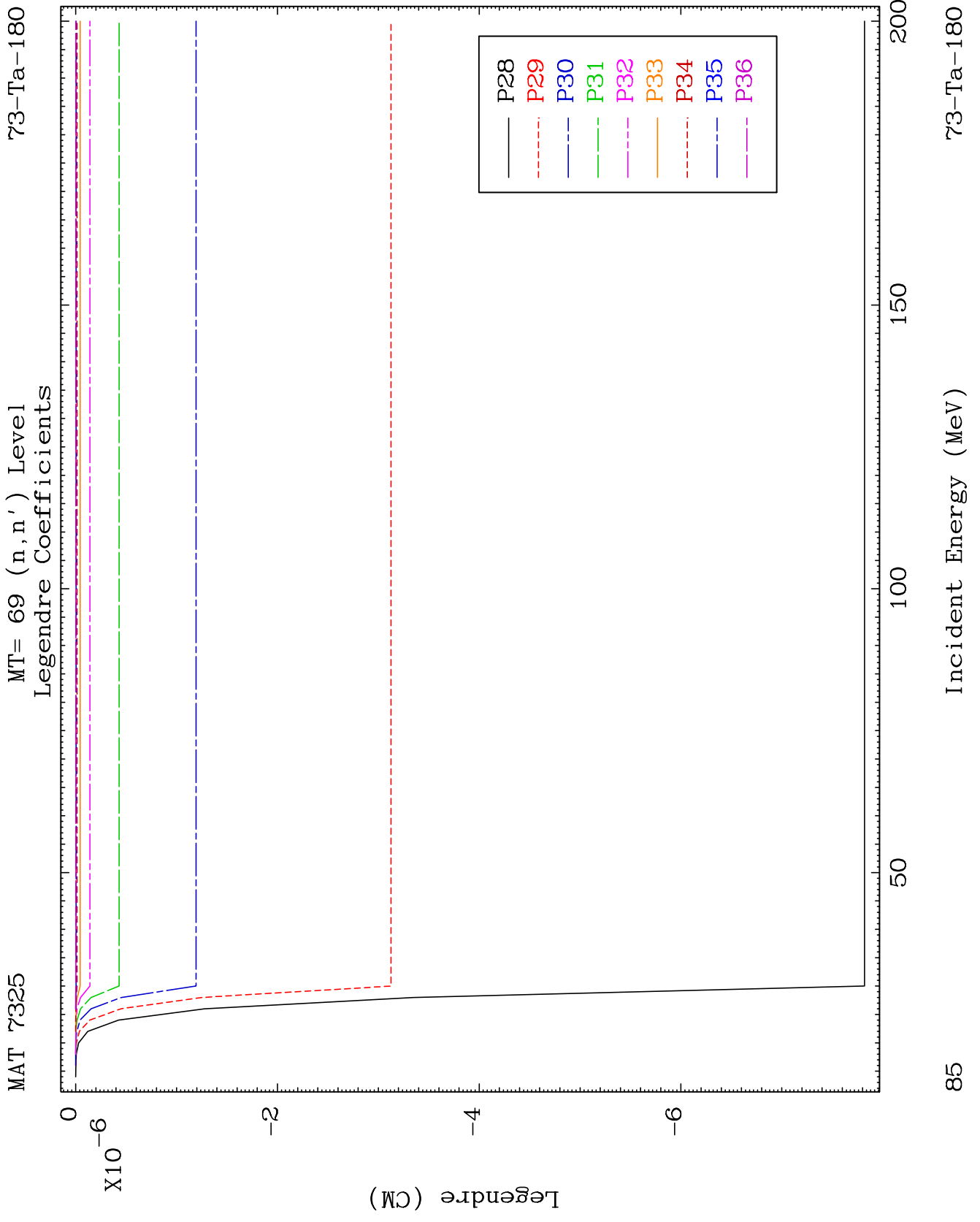


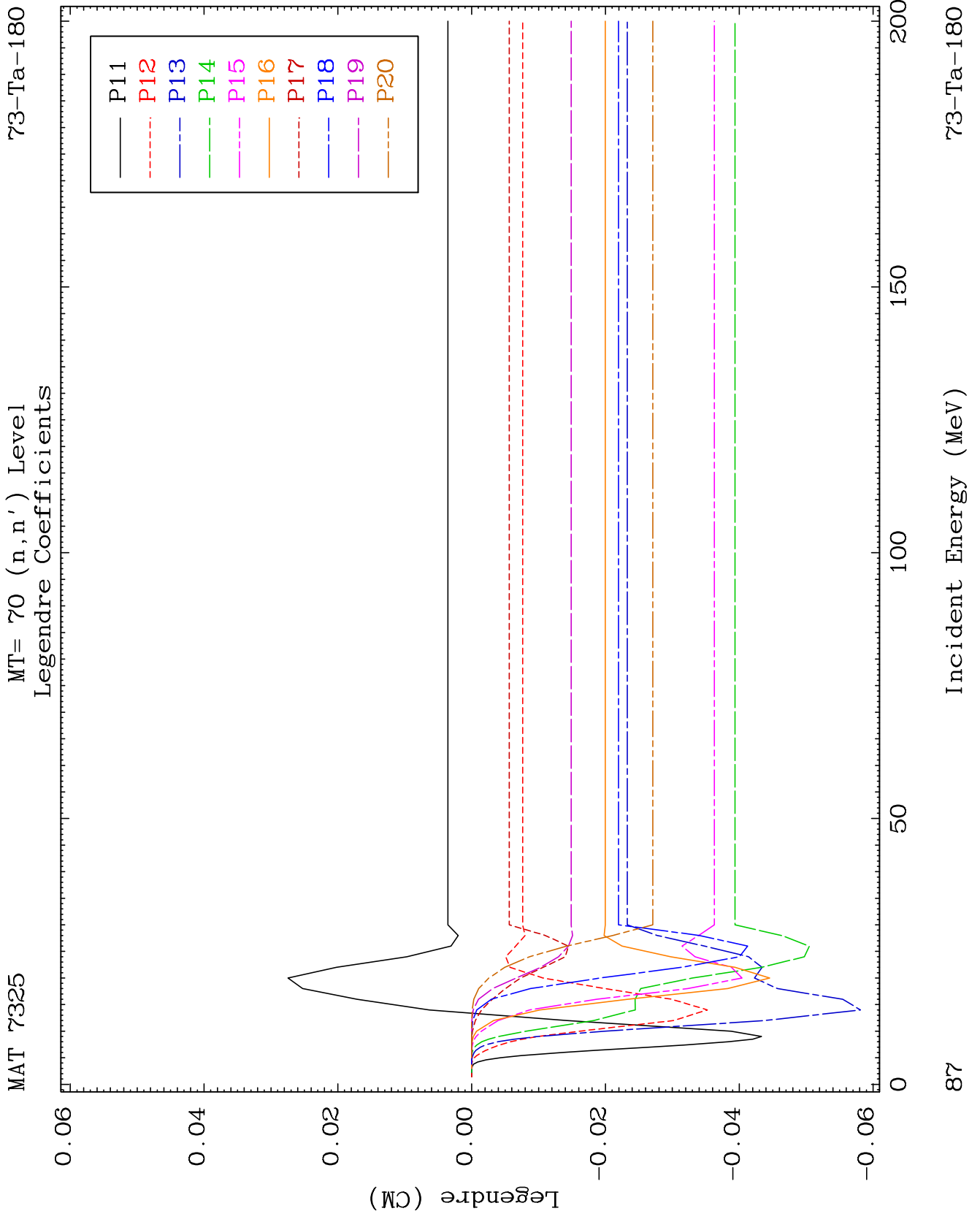
MAT 7325

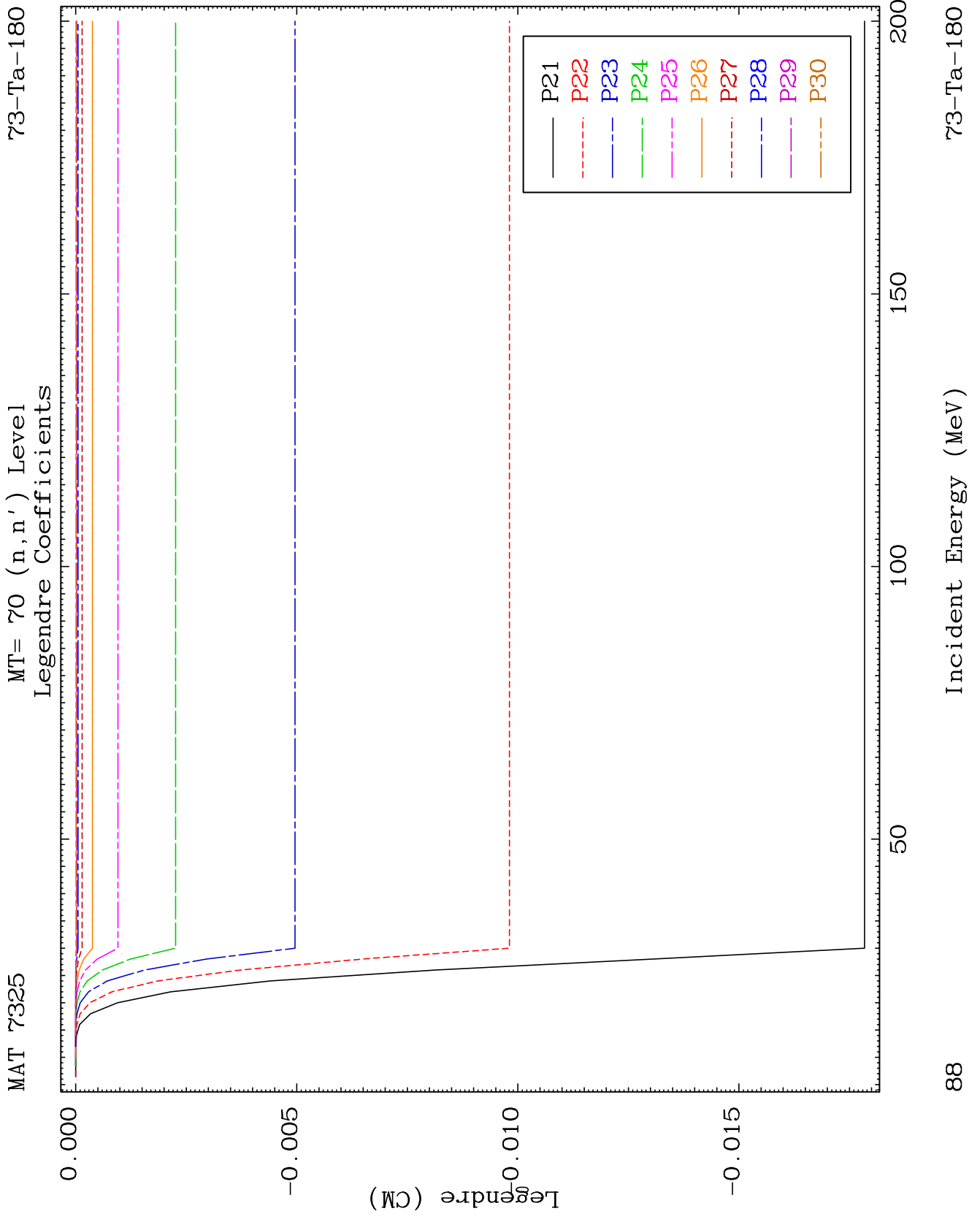
MT= 69 (n,n') Level
Legendre Coefficients

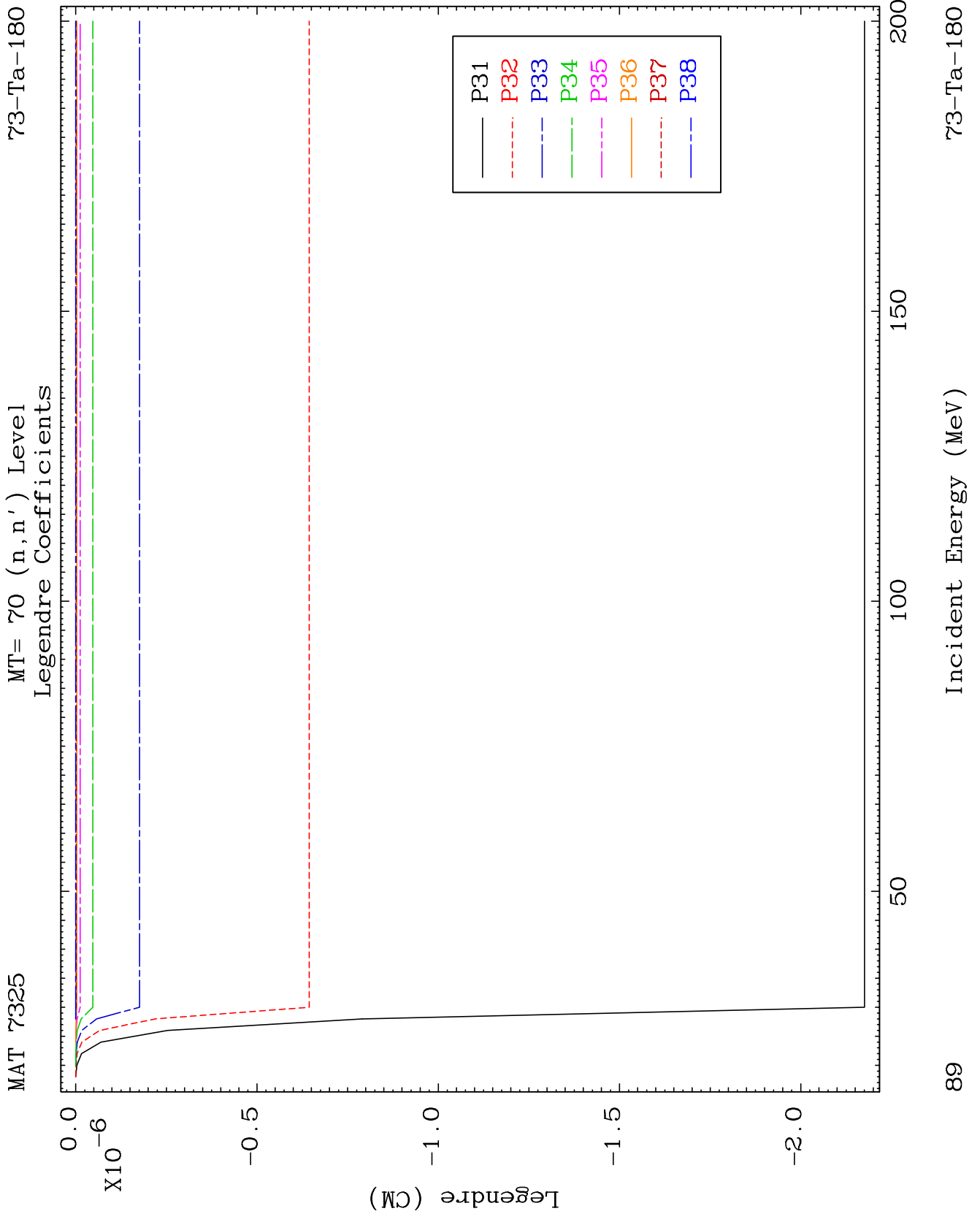
73-Ta-180

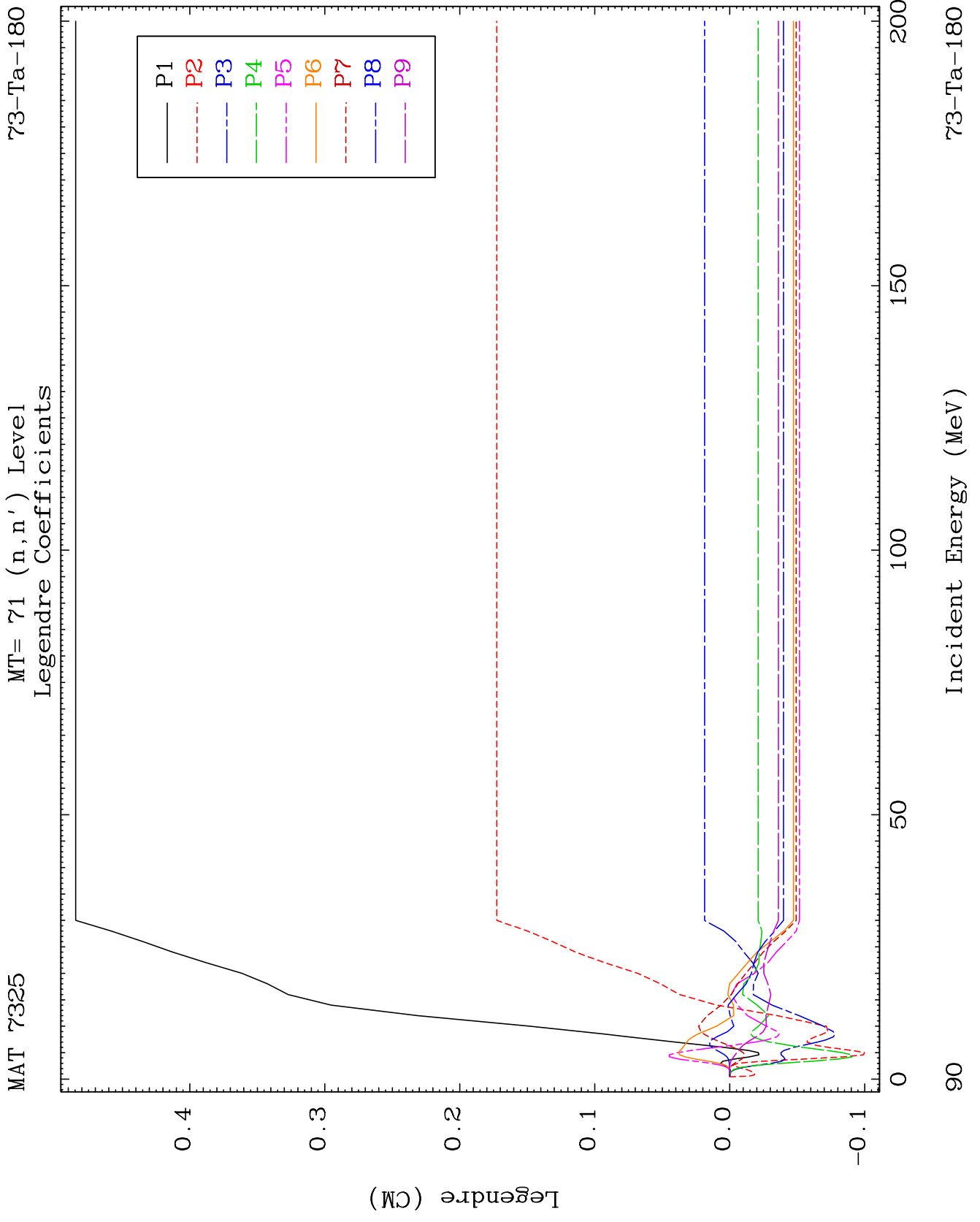








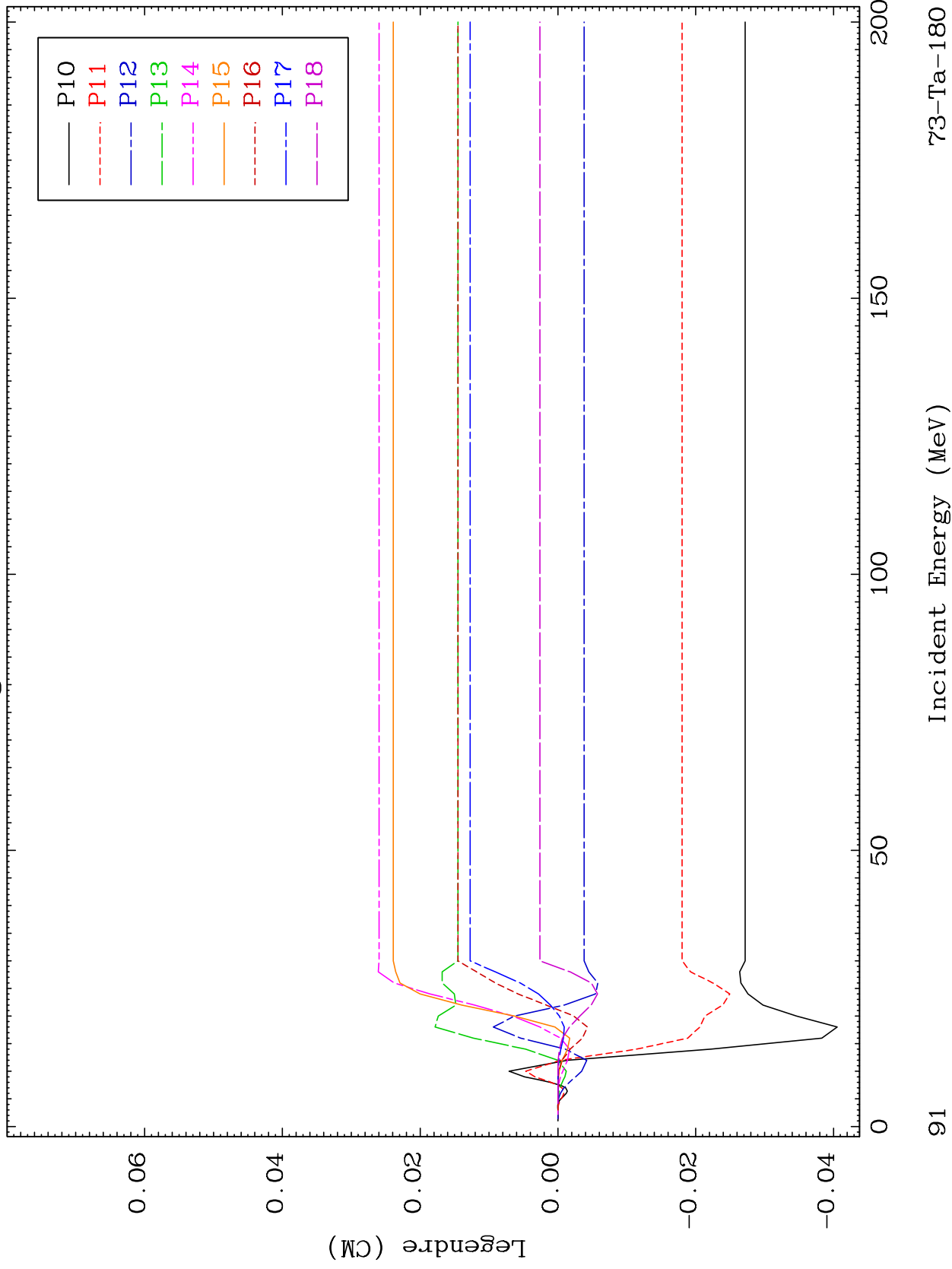




MAT 7325

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

73-Ta-180



91

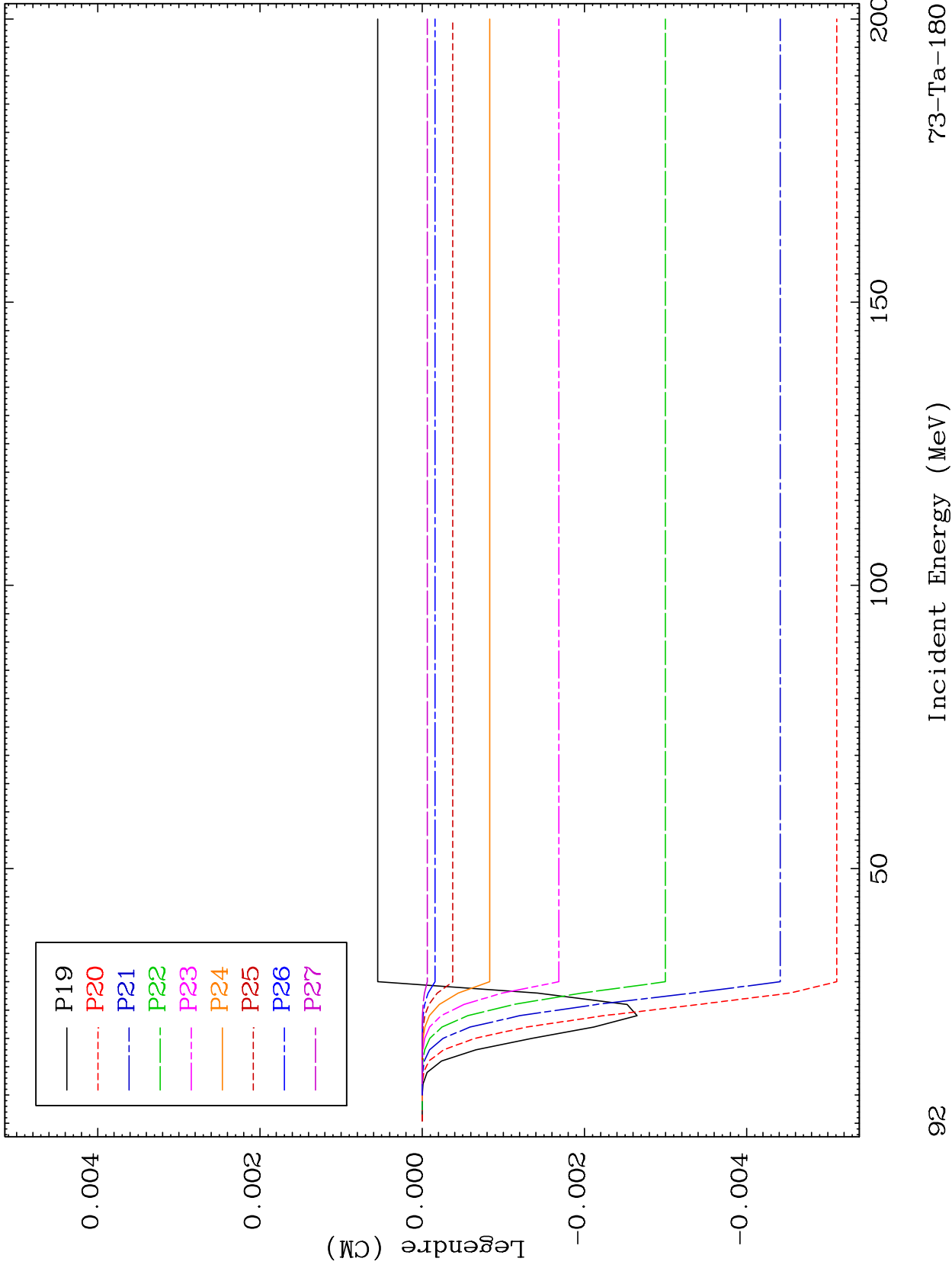
Incident Energy (MeV)

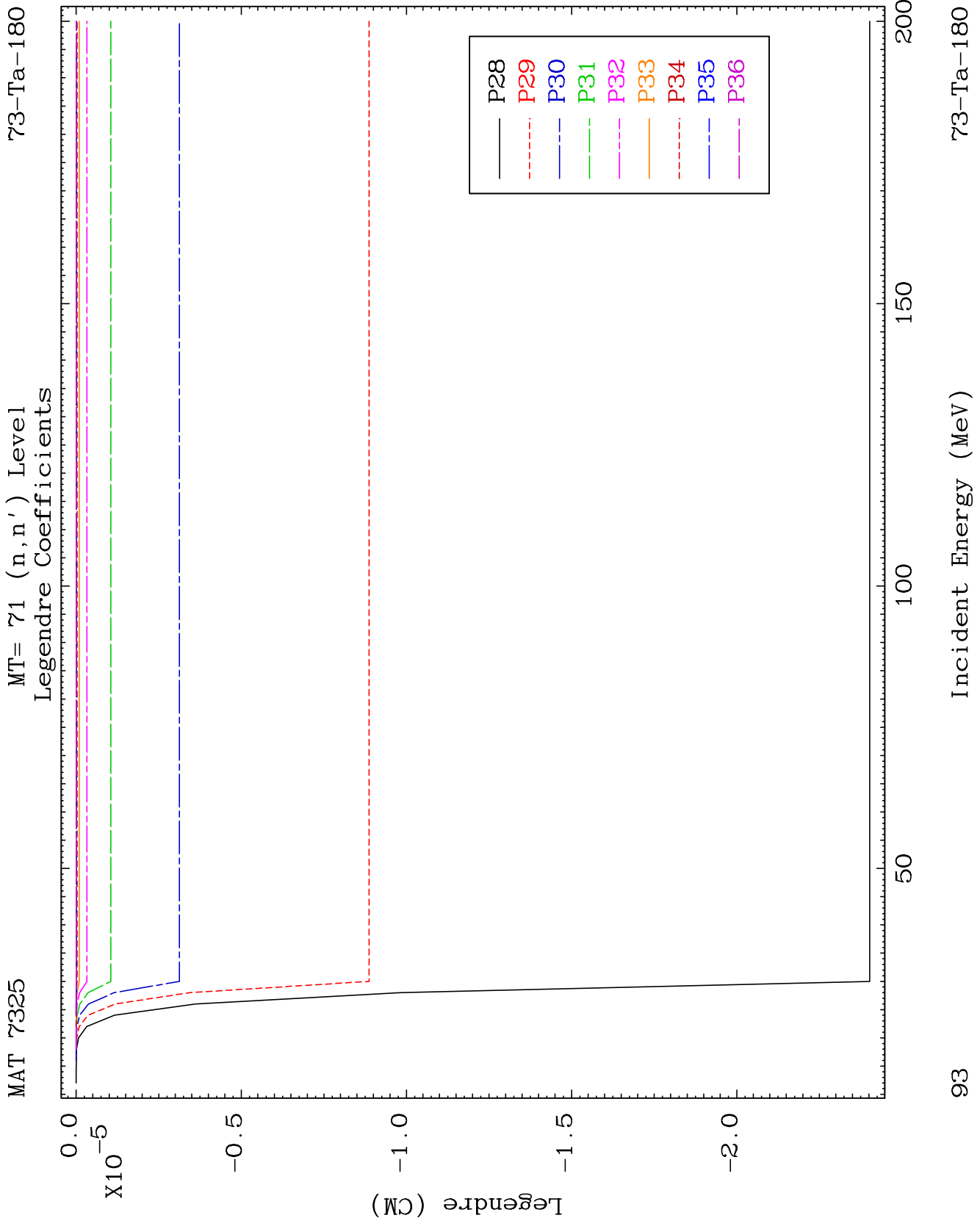
73-Ta-180

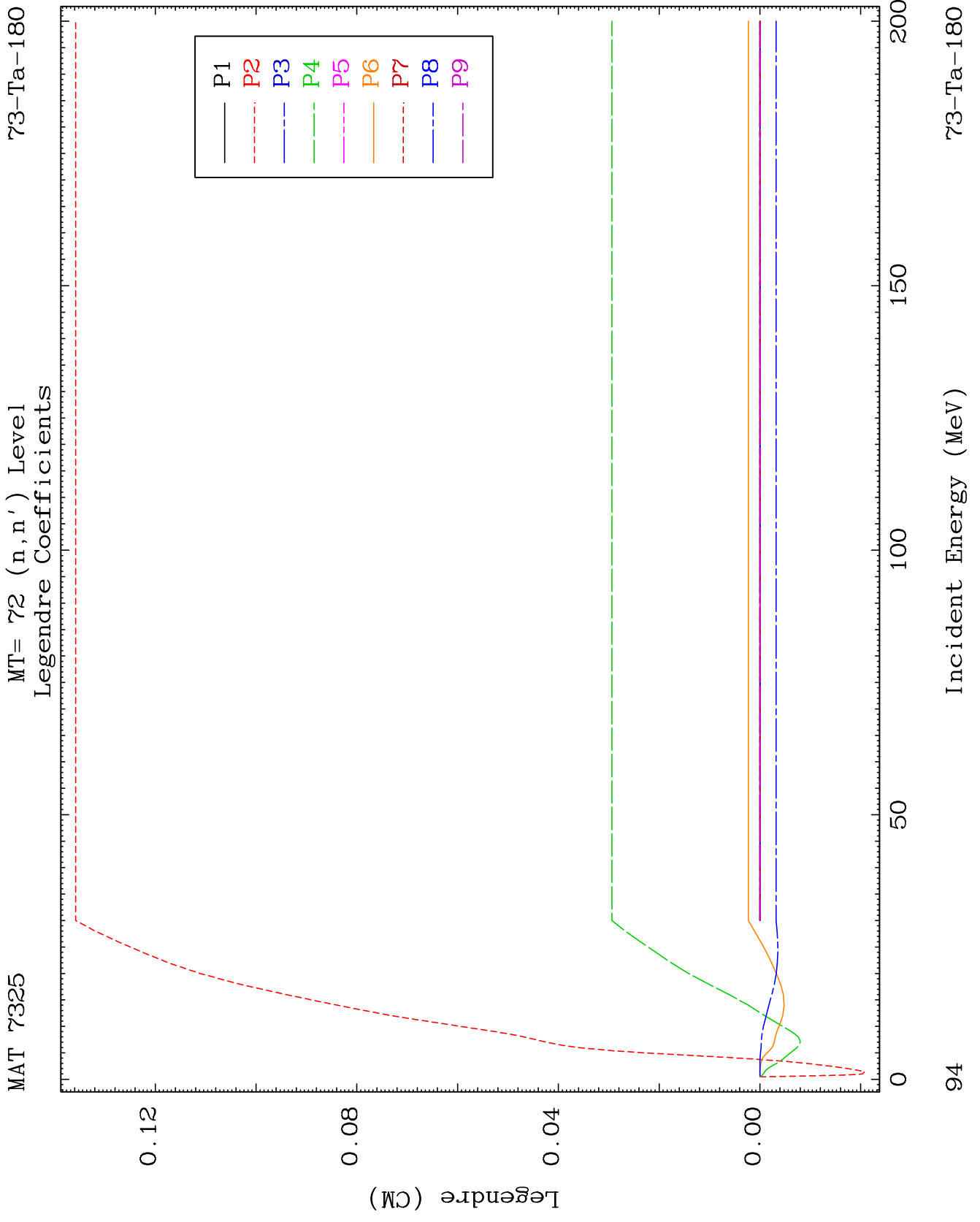
MAT 7325

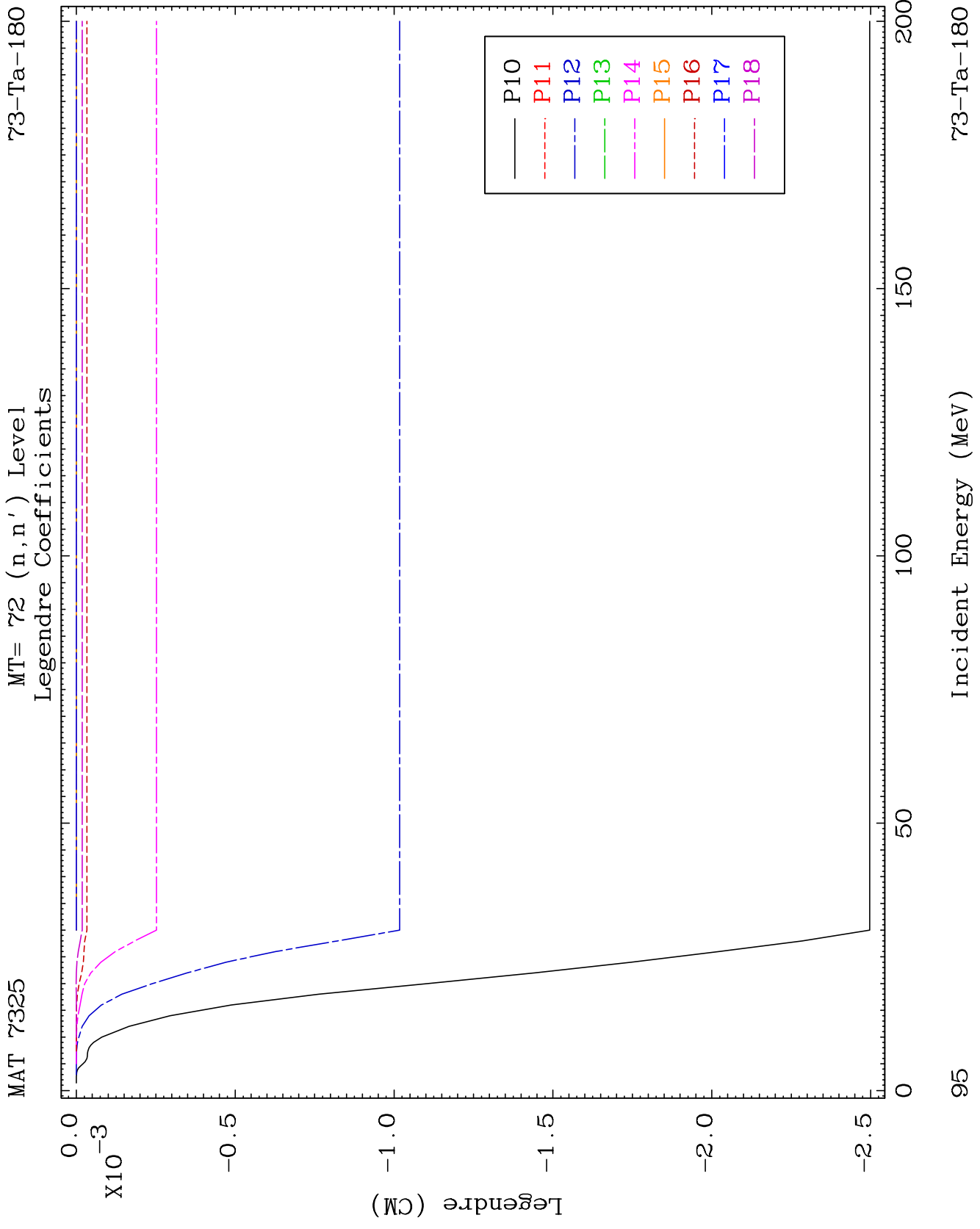
MT= 71 (n,n') Level
Legendre Coefficients

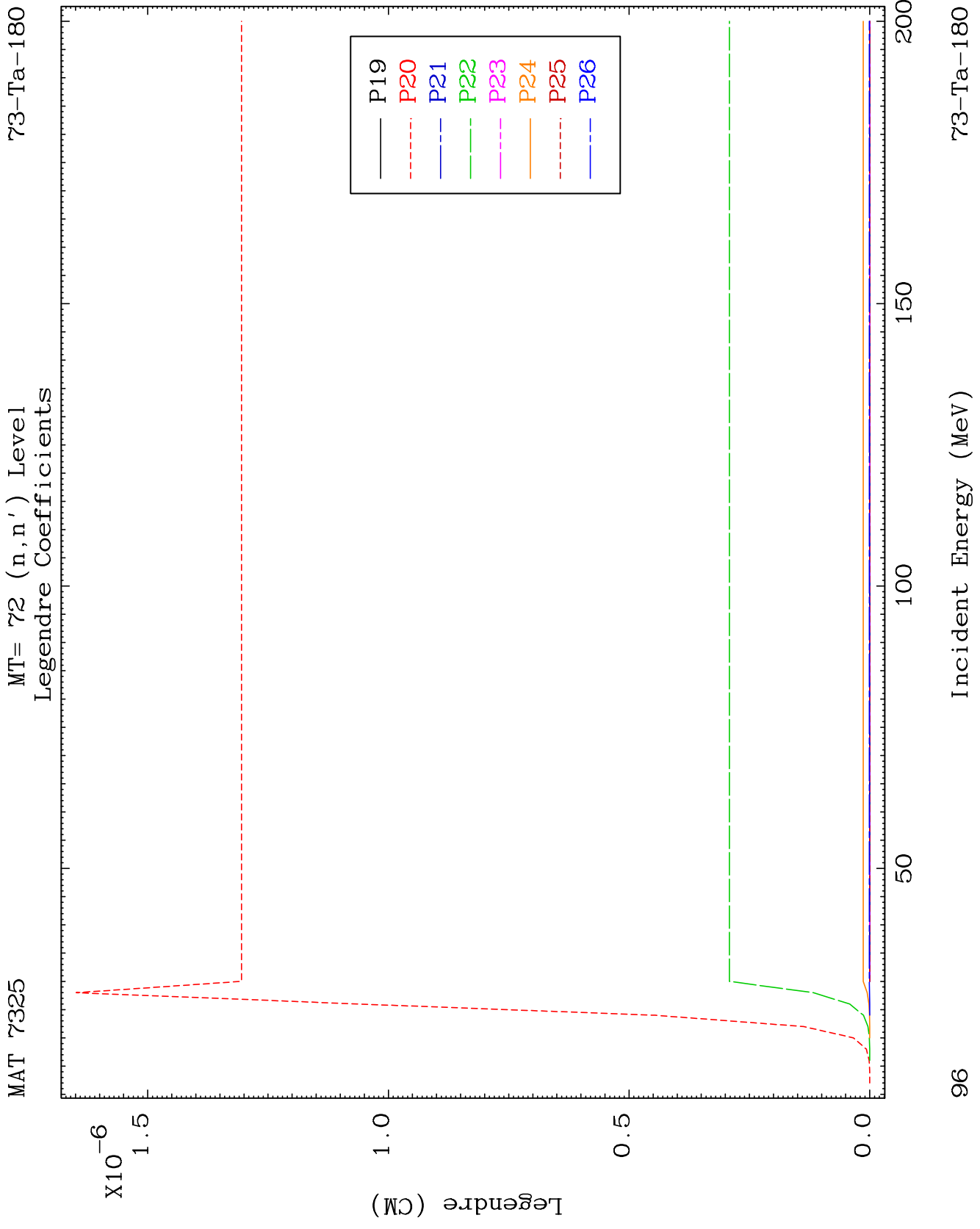
73-Ta-180

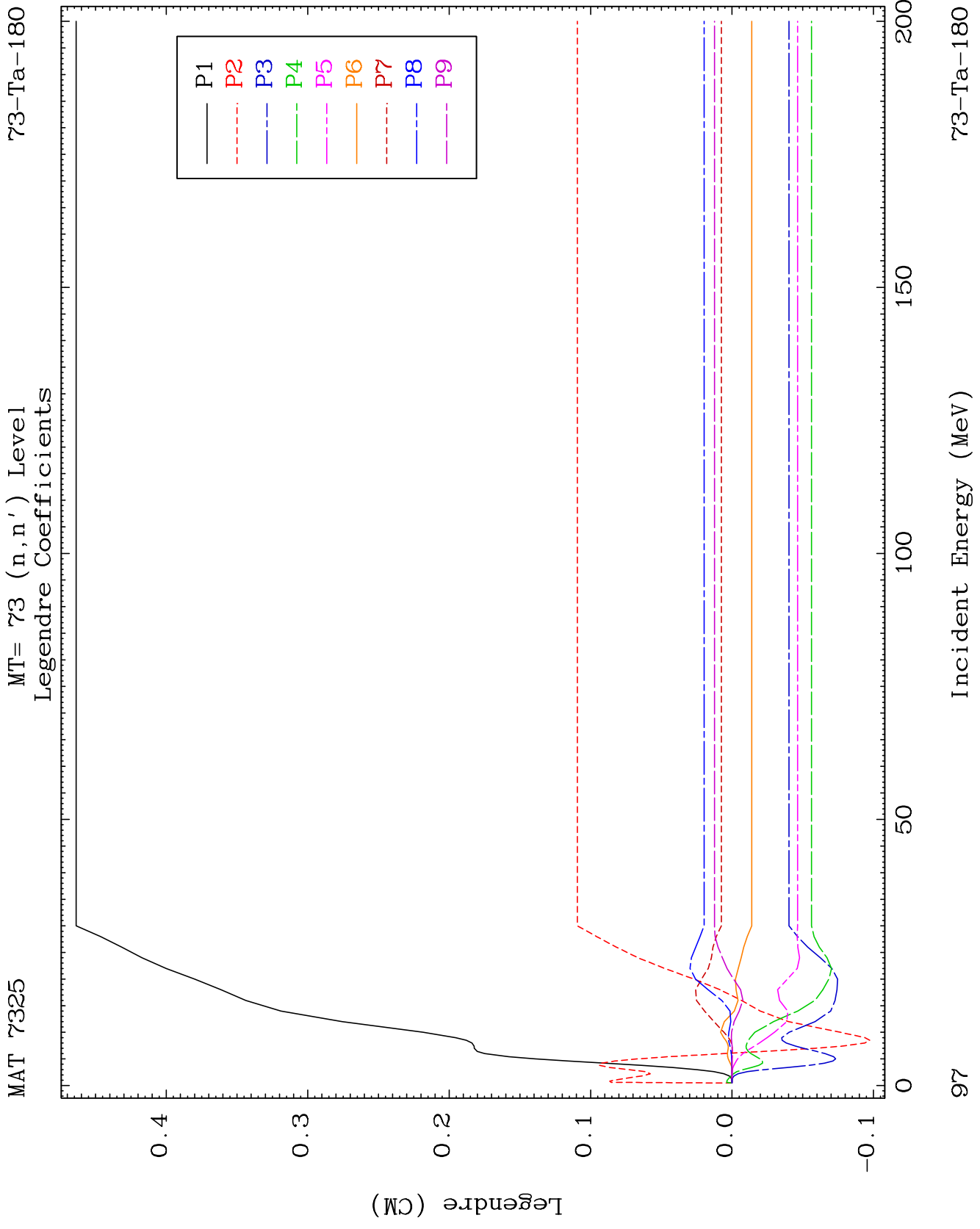


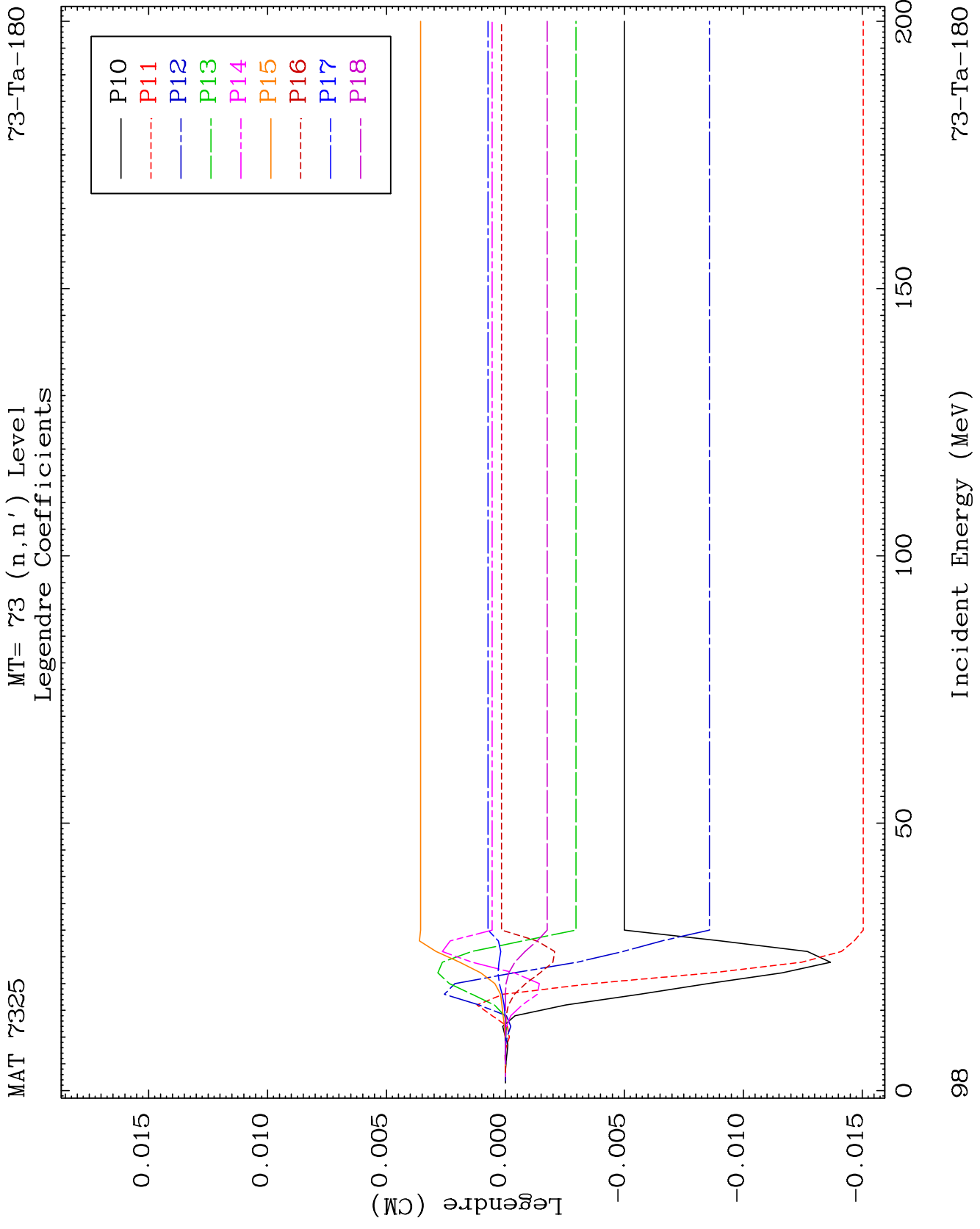








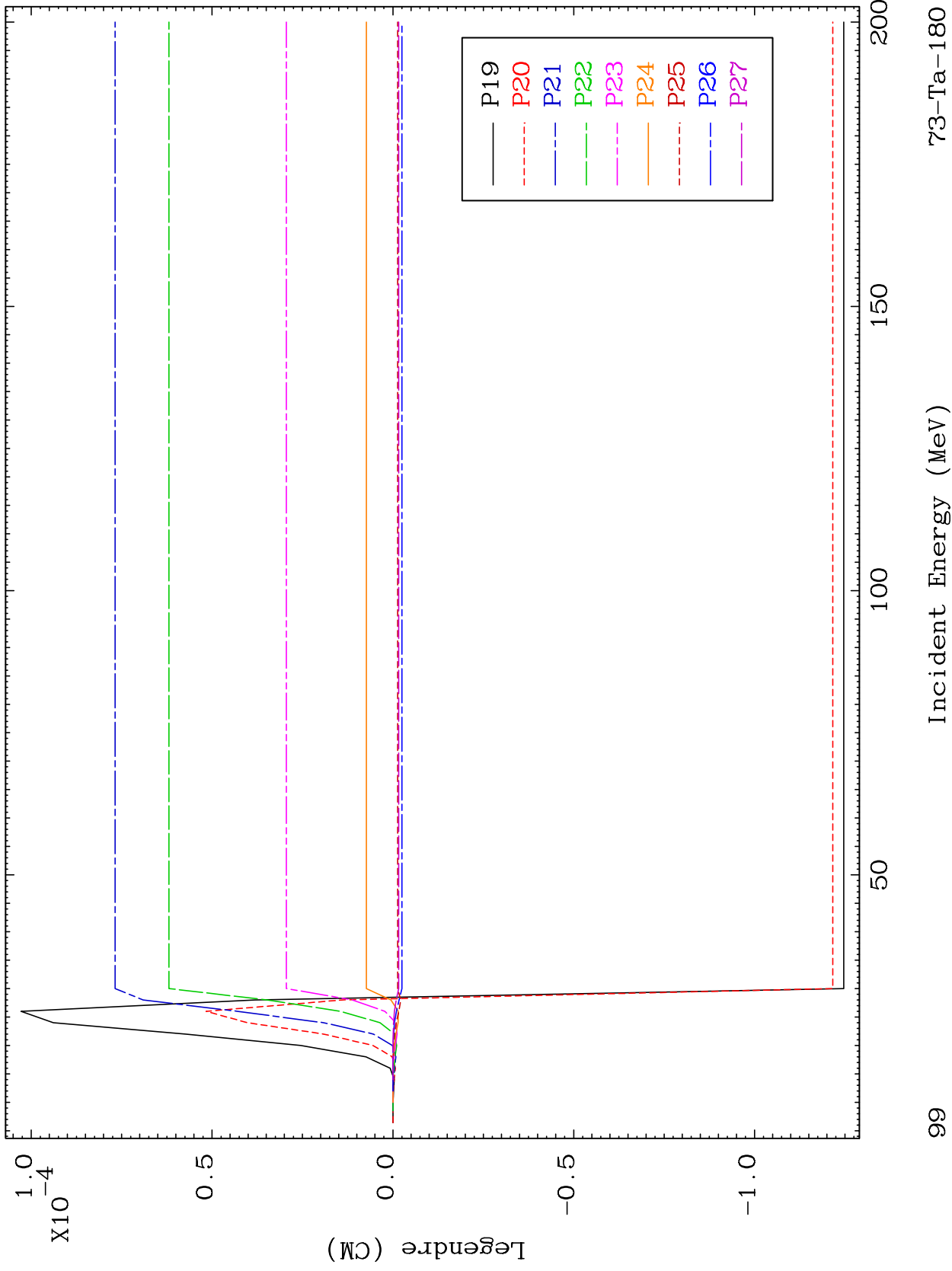


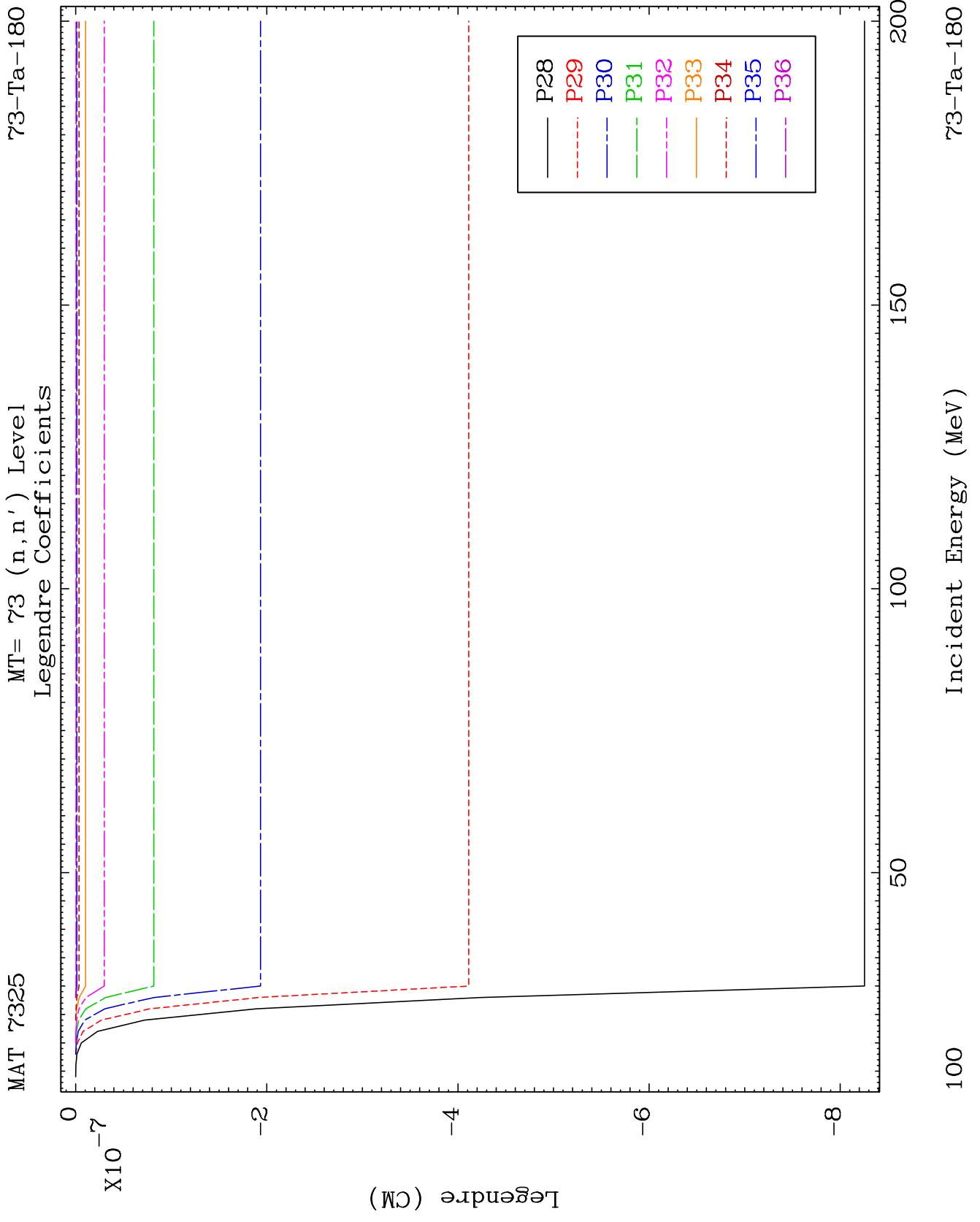


MAT 7325

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

73-Ta-180

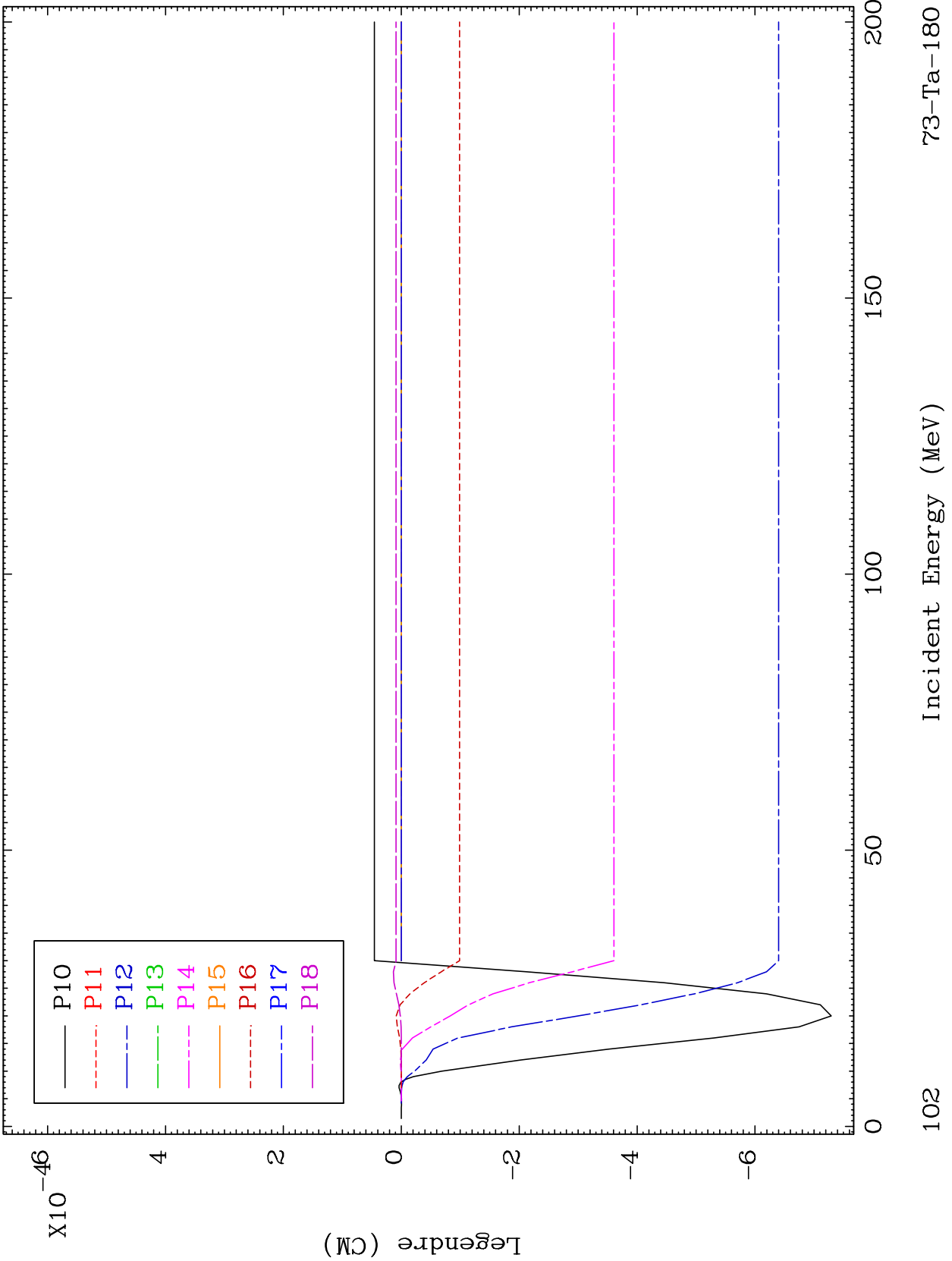




MAT 7325

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

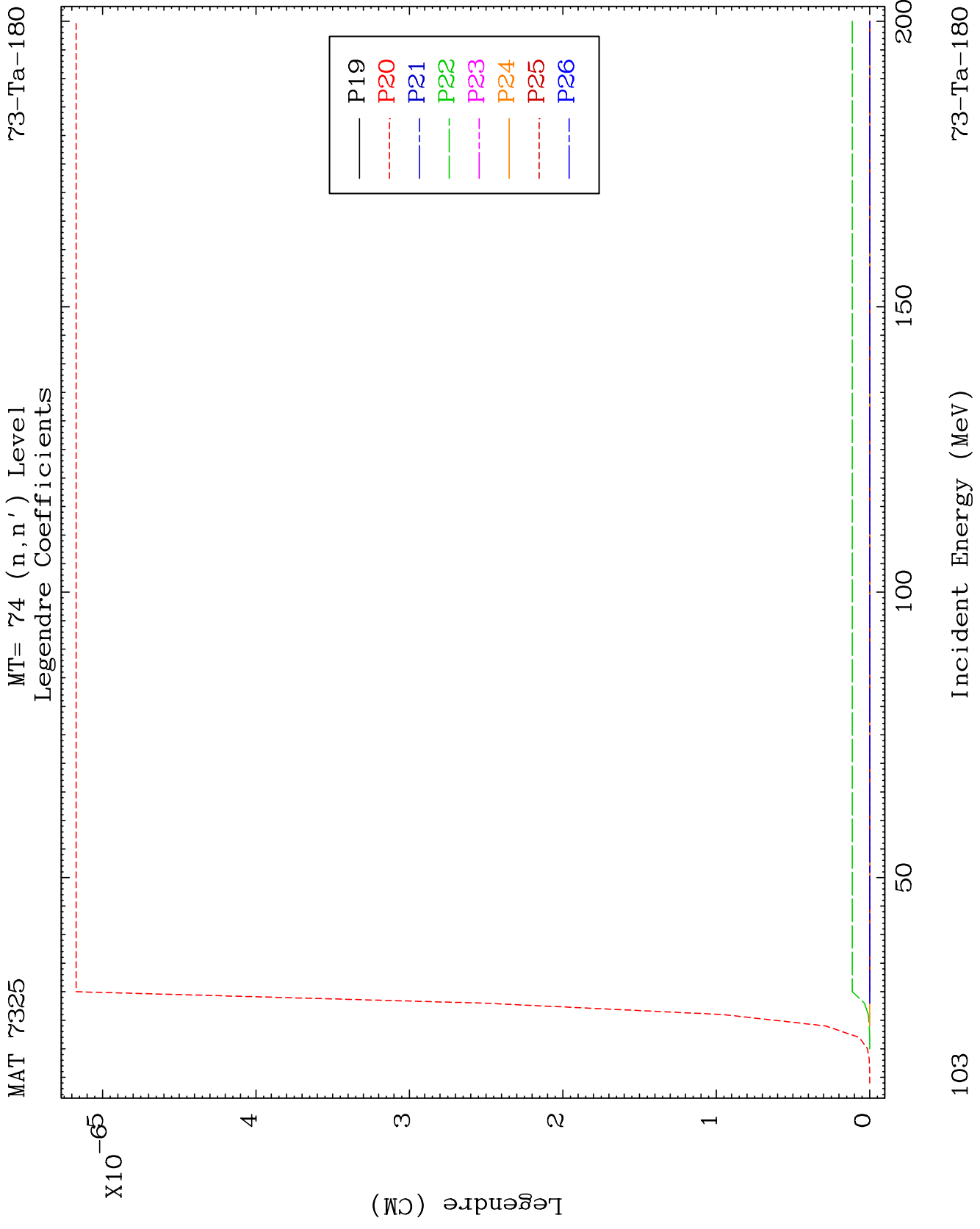
73-Ta-180

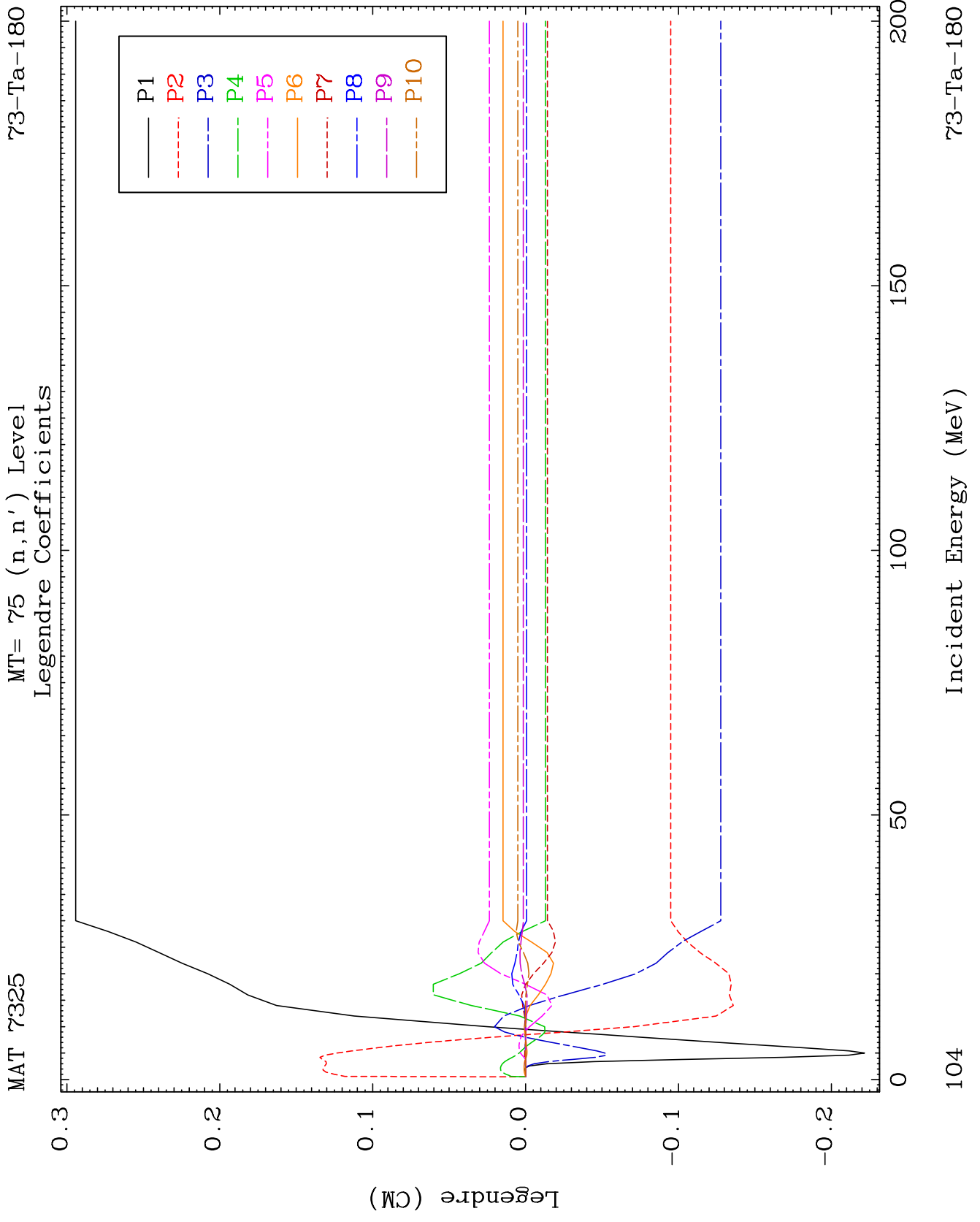


73-Ta-180

Incident Energy (MeV)

102

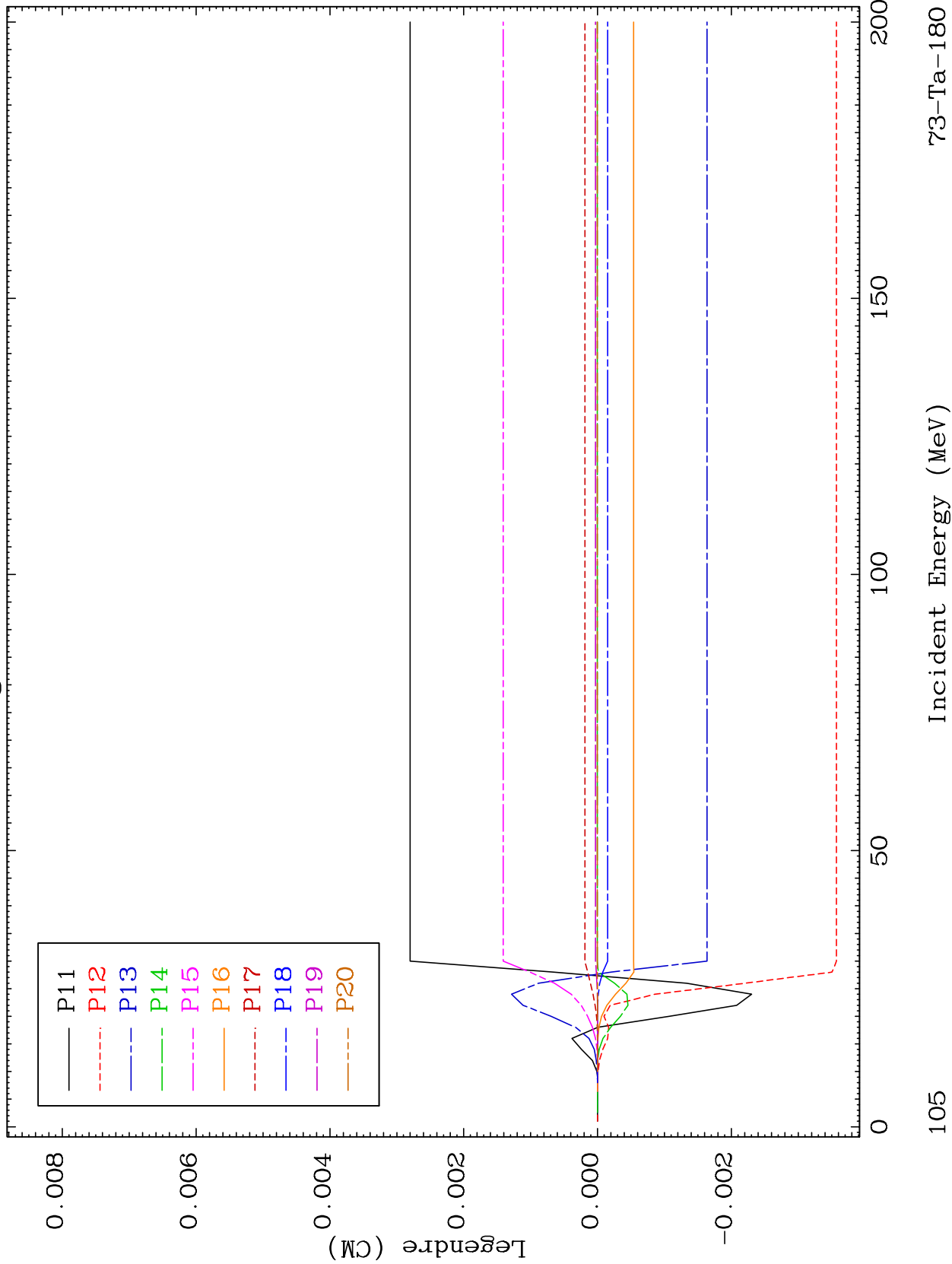




MAT 7325

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

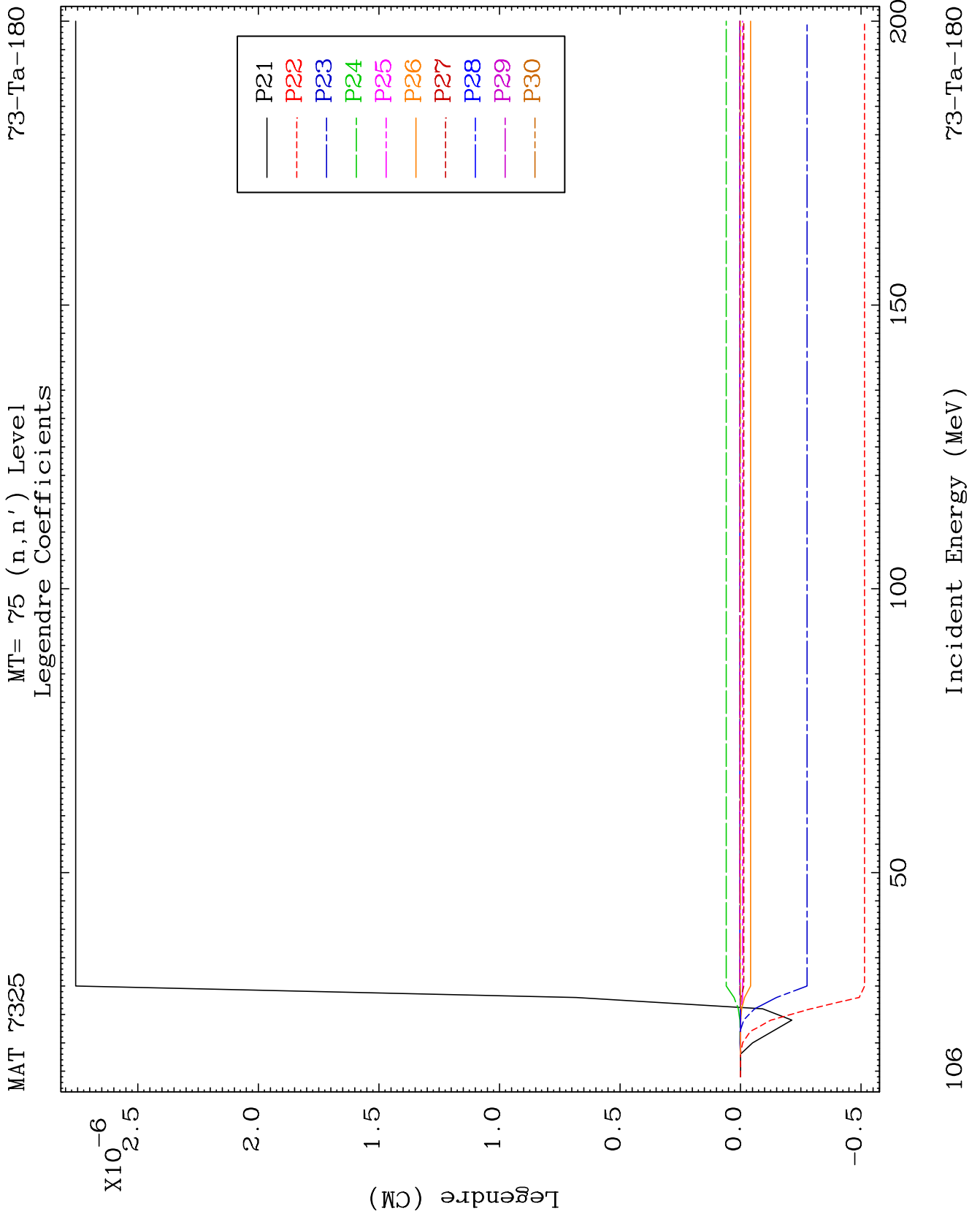
73-Ta-180

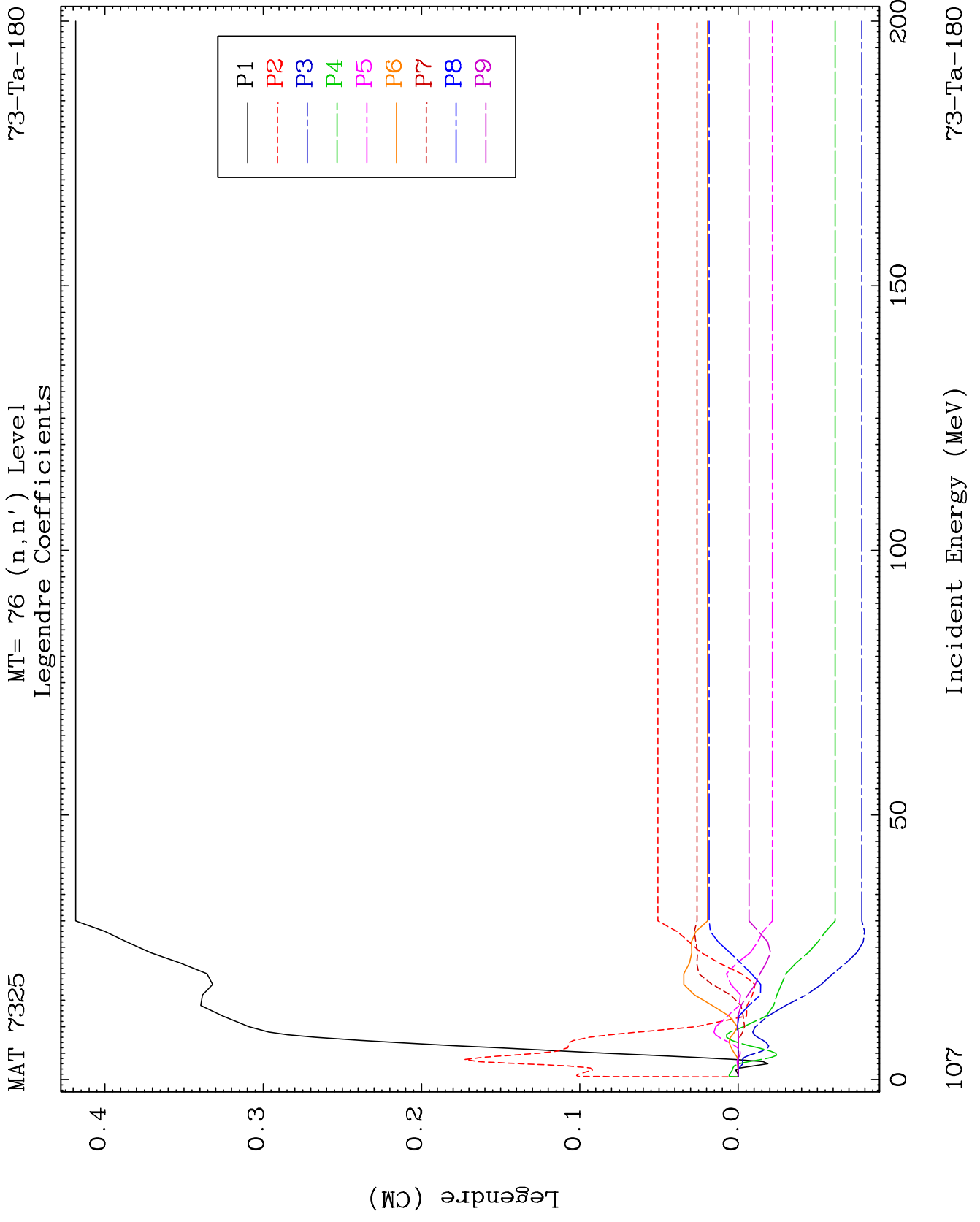


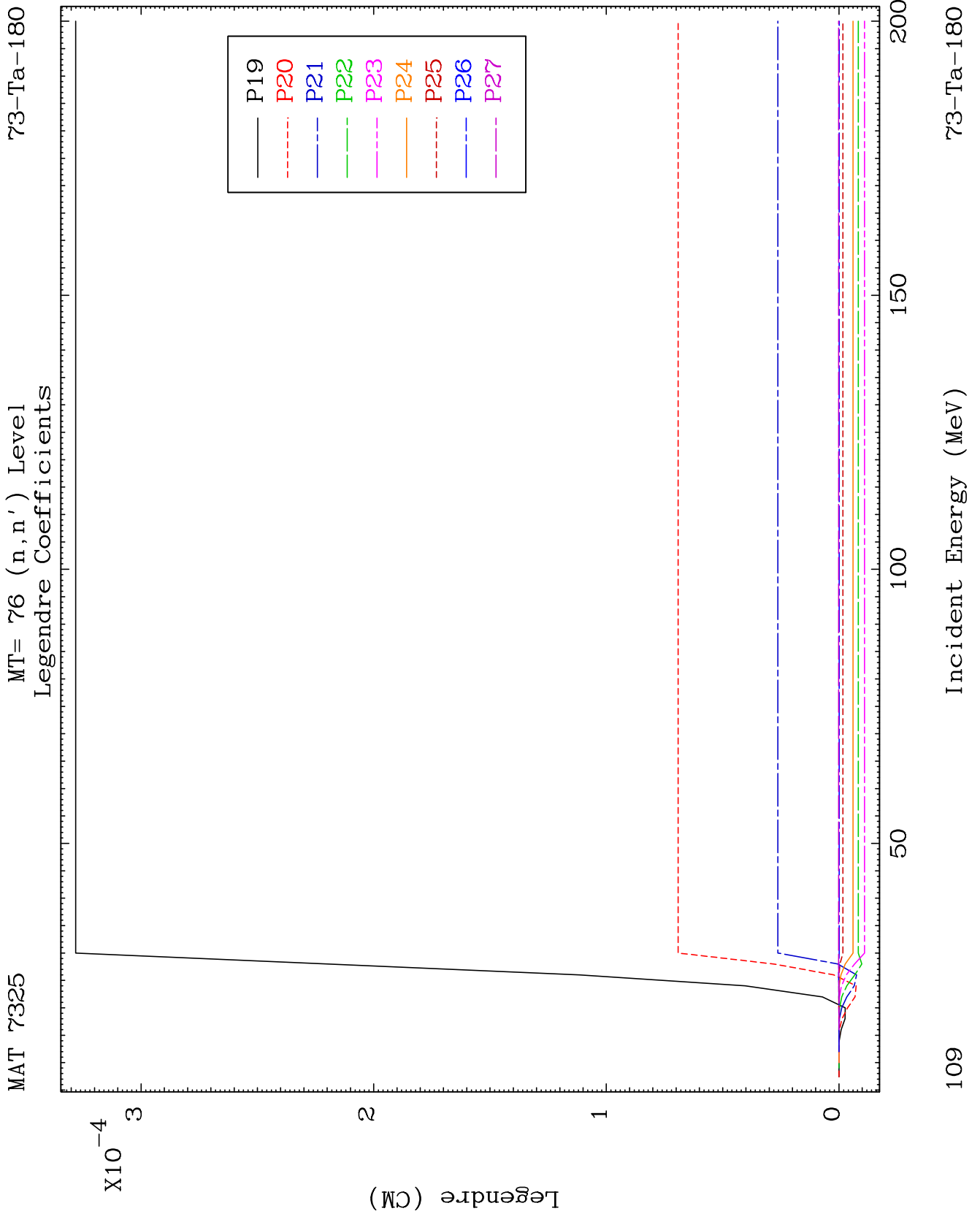
105

Incident Energy (MeV)

73-Ta-180



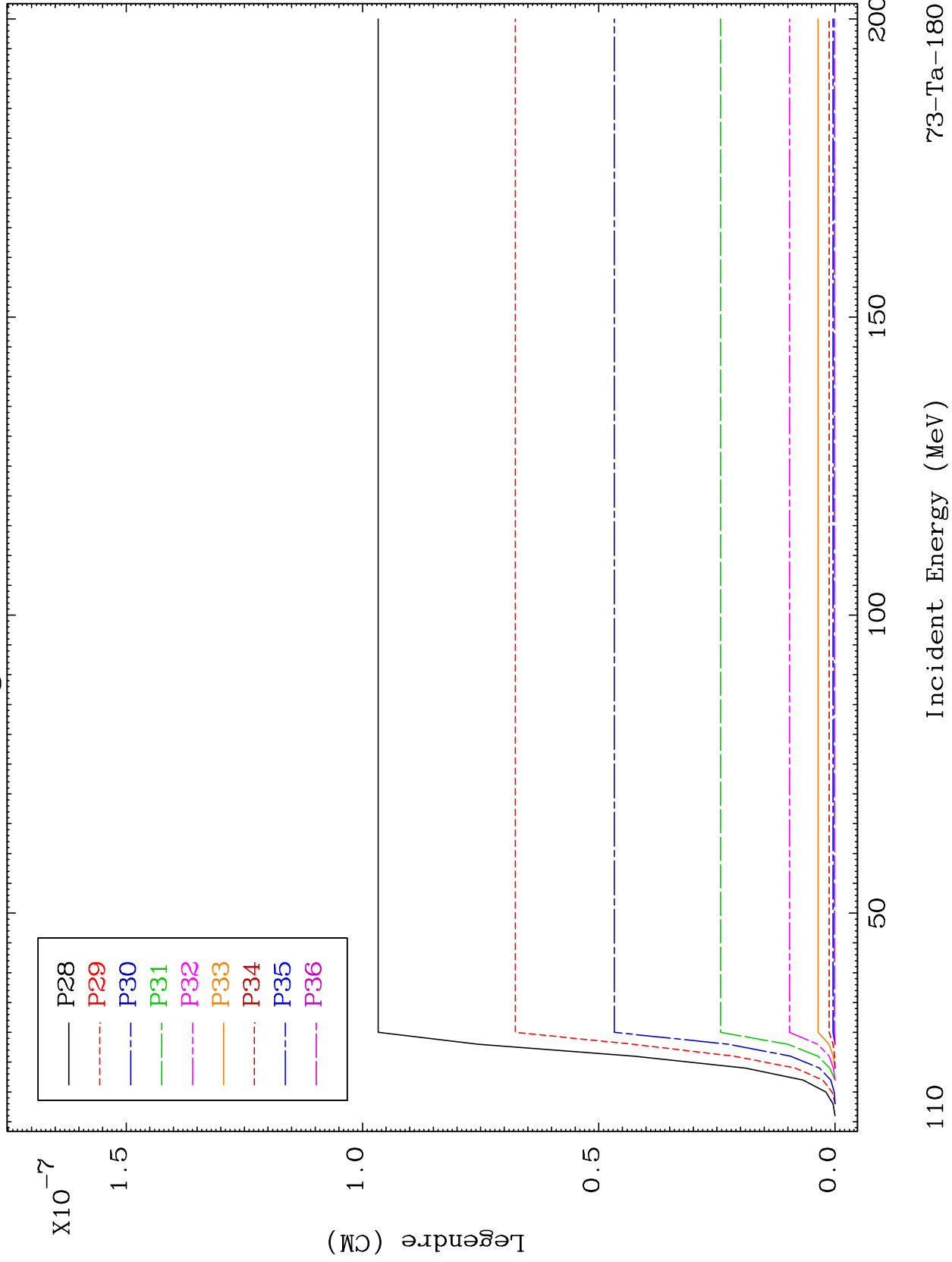


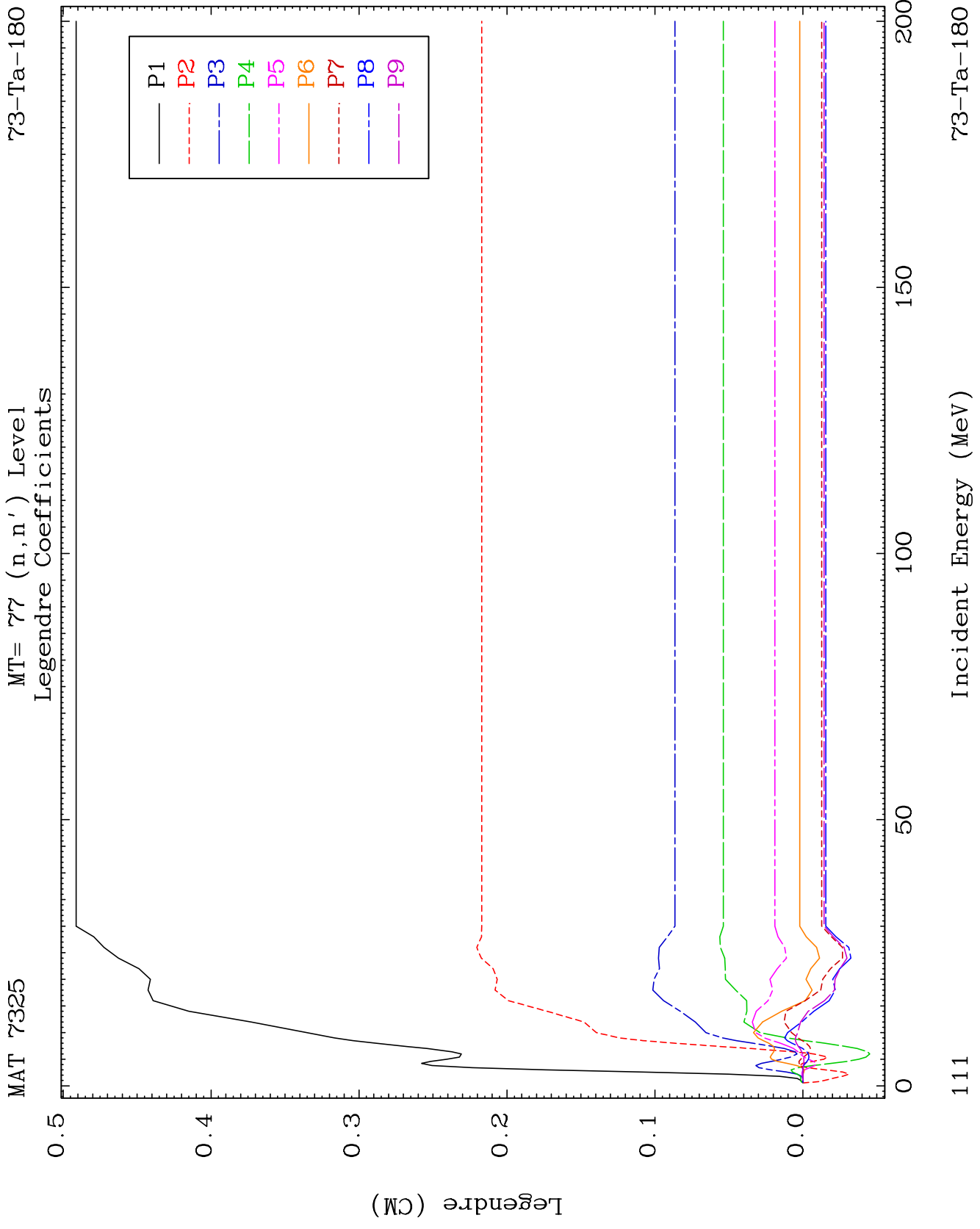


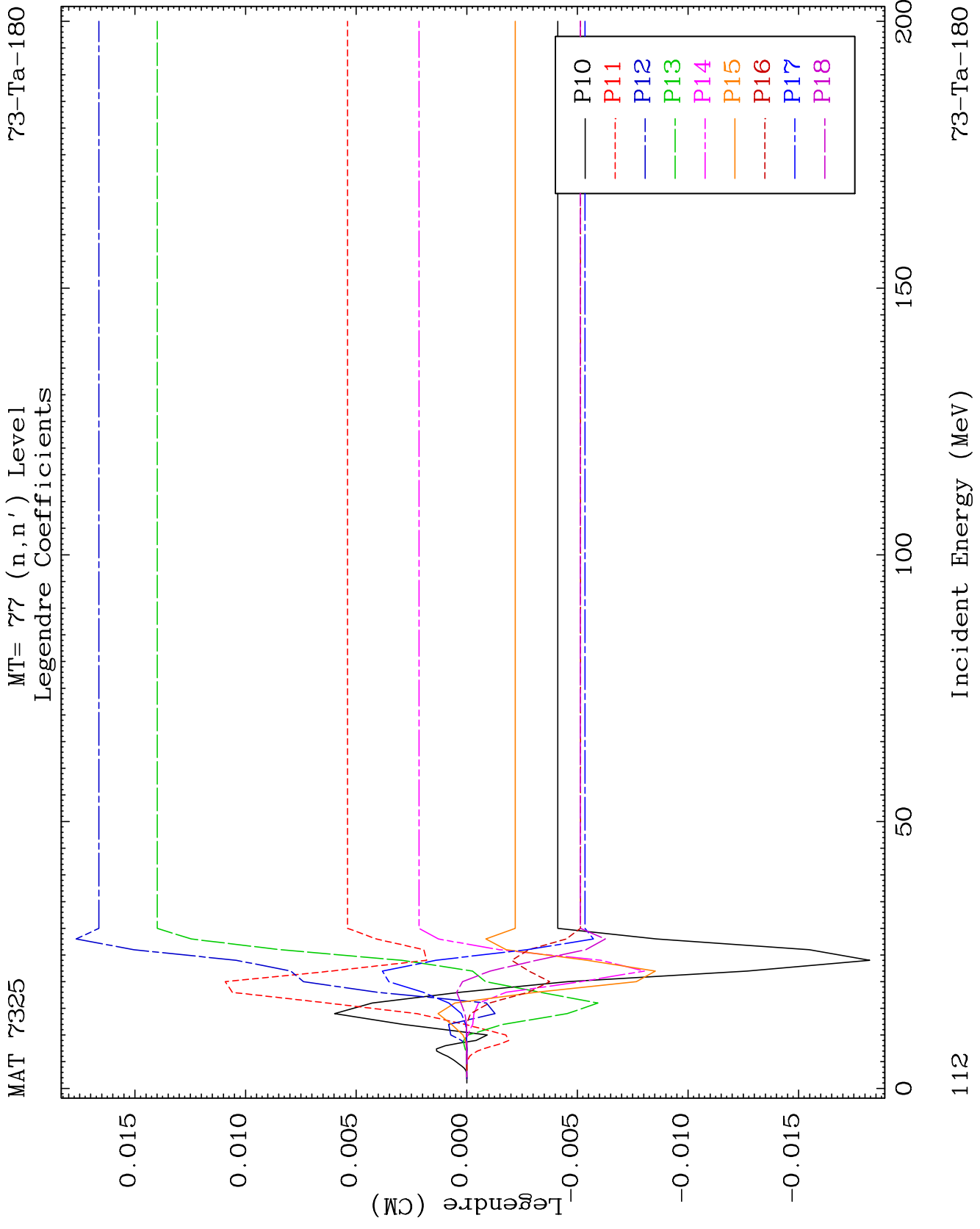
MAT 7325

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

⁷³Ta-180



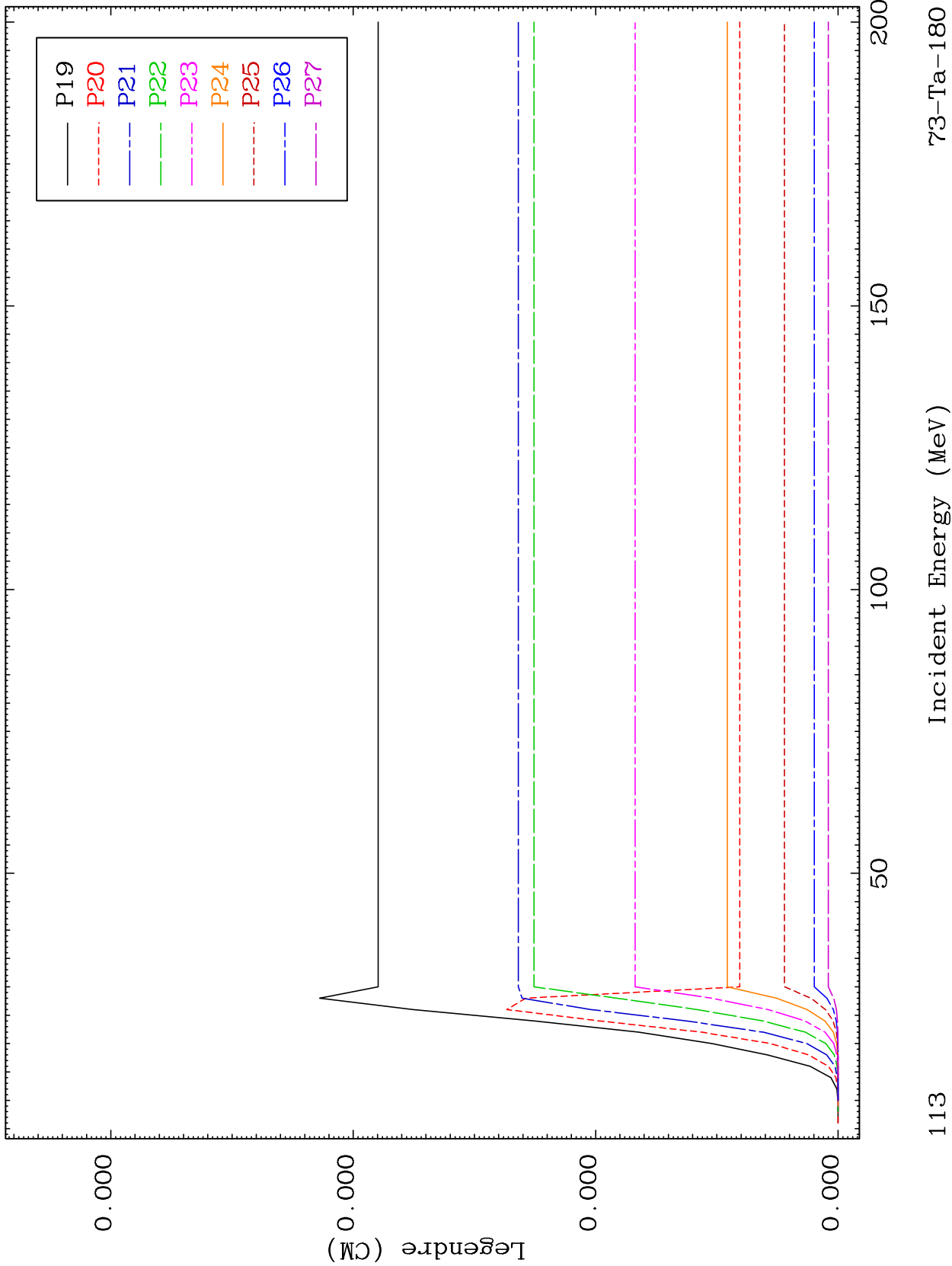


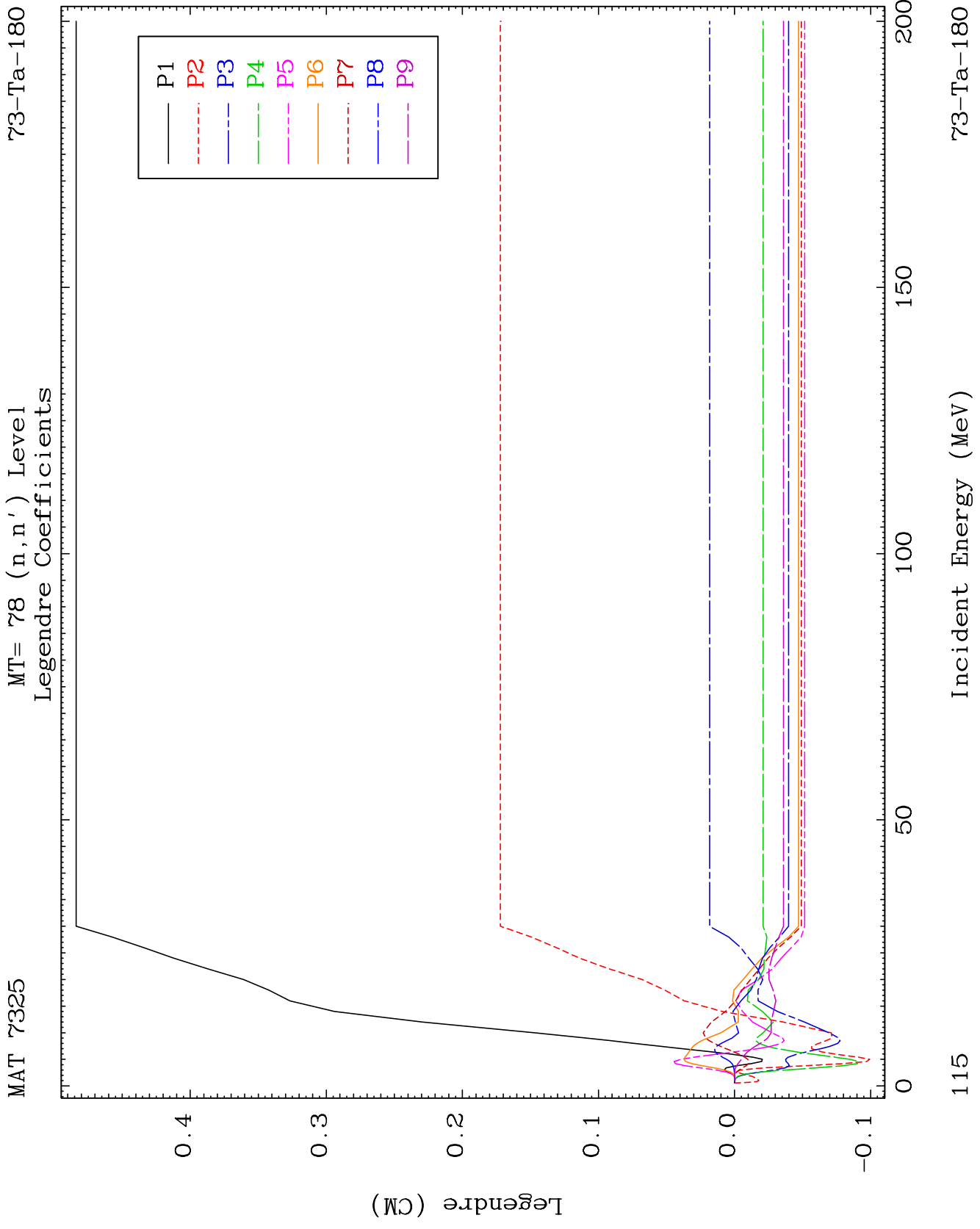


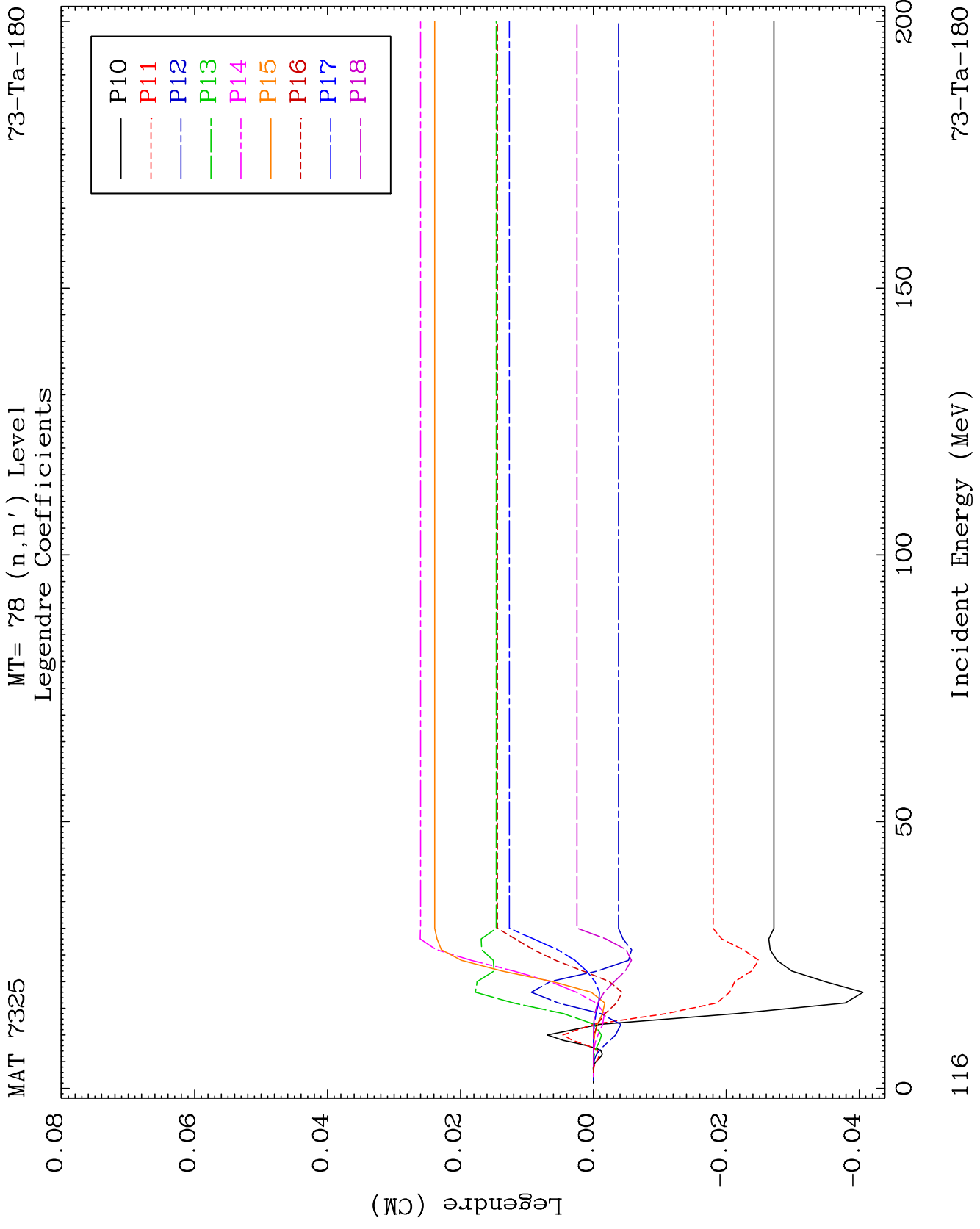
MAT 7325

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

73-Ta-180



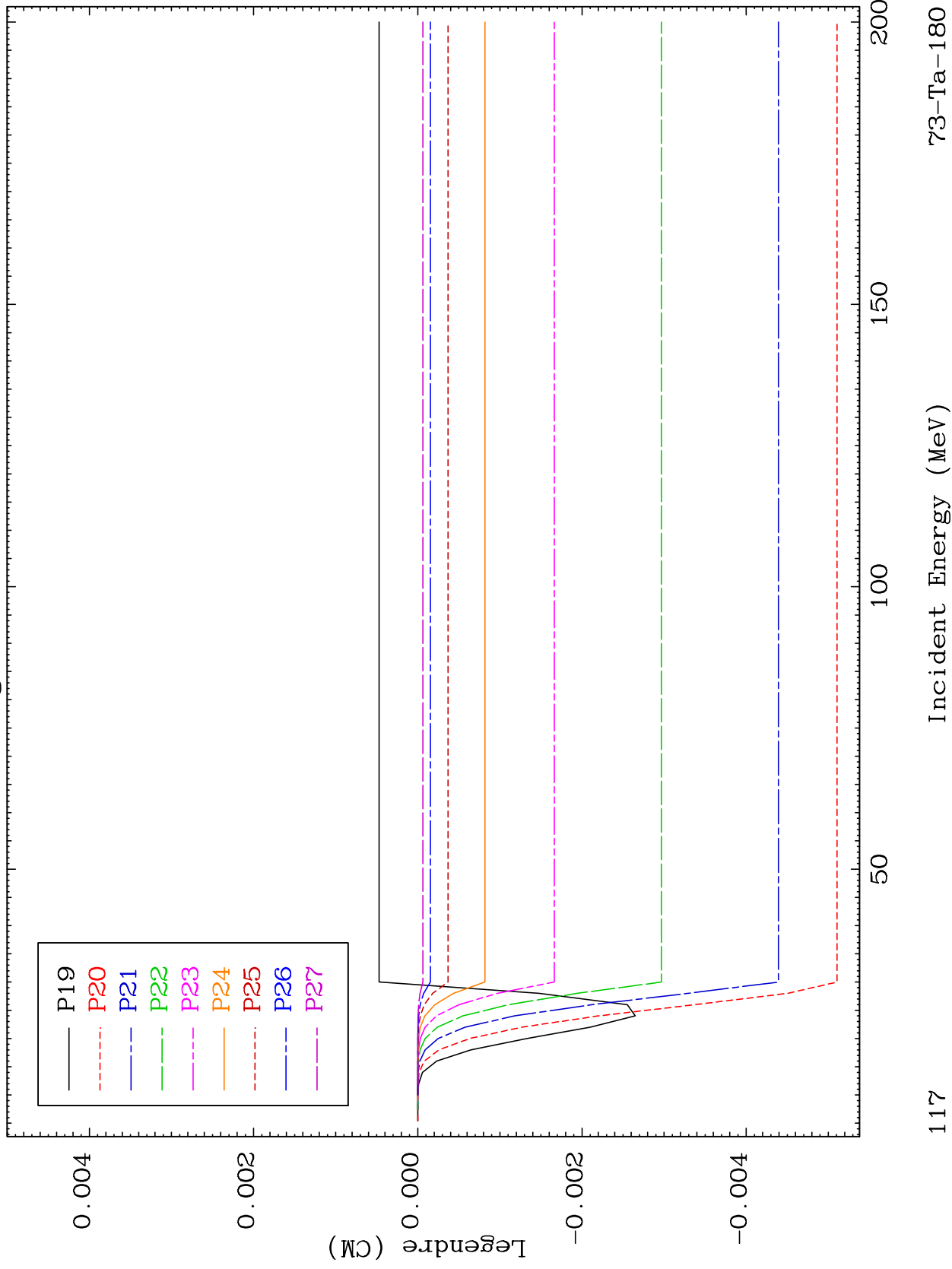




MAT 7325

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

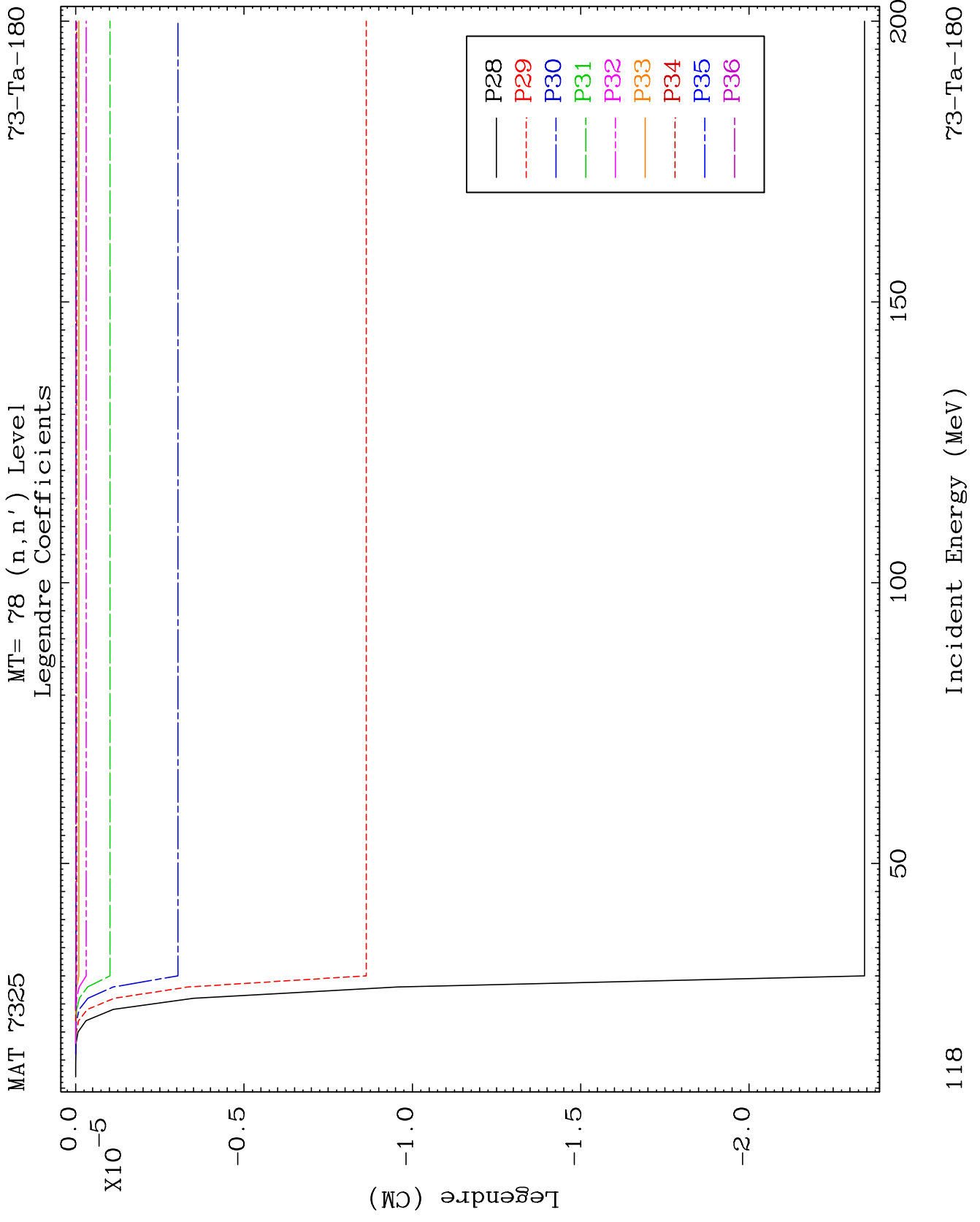
73-Ta-180

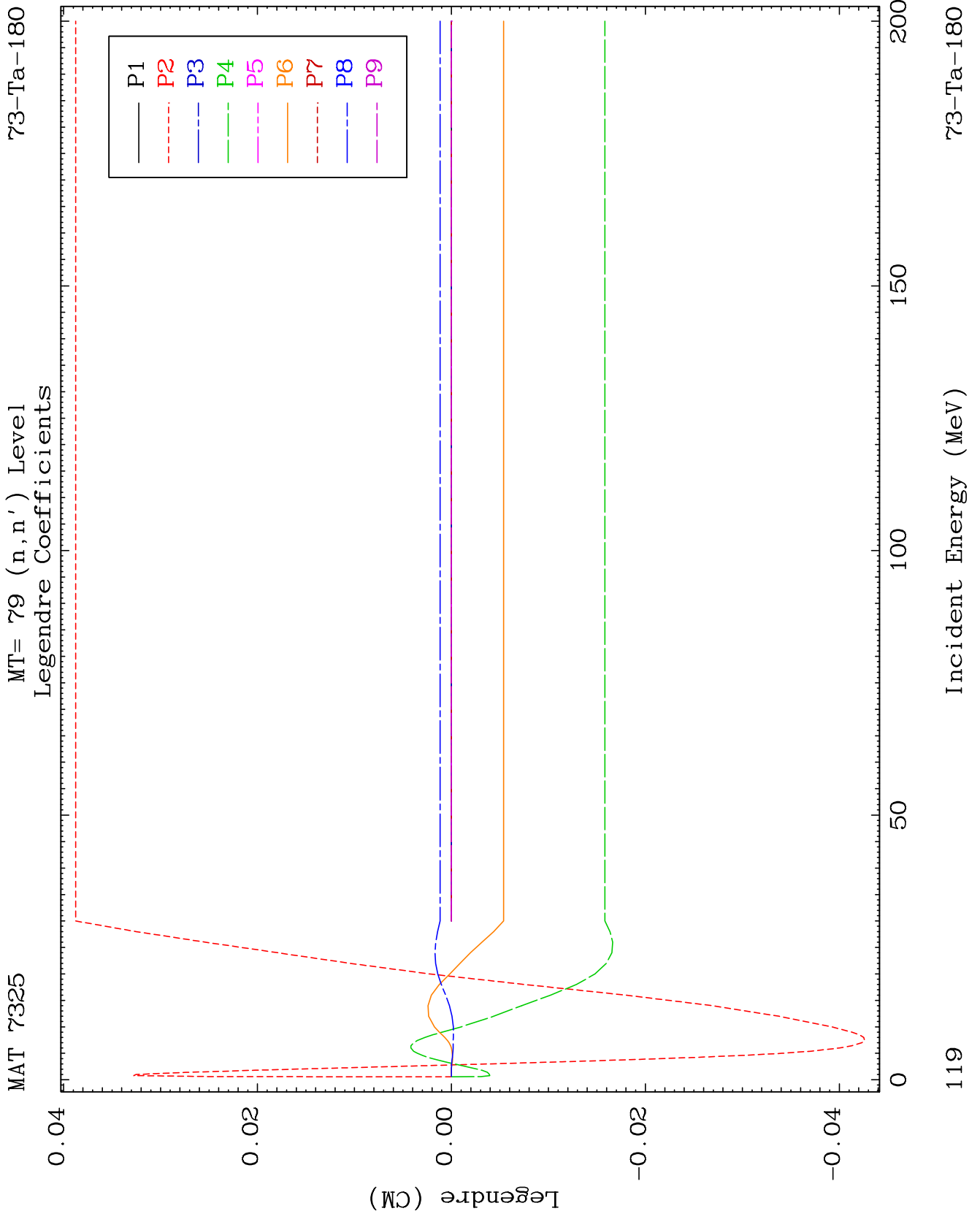


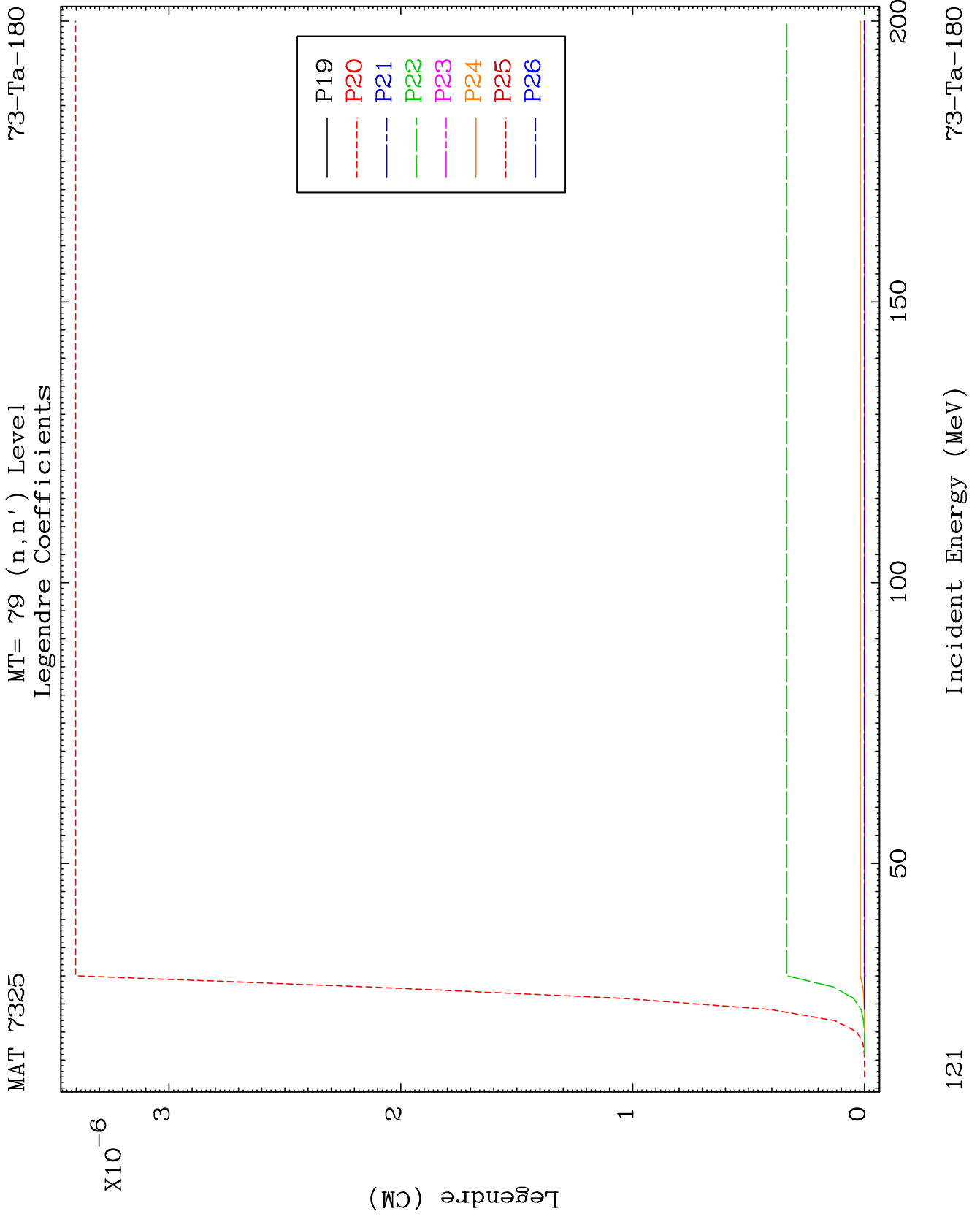
117

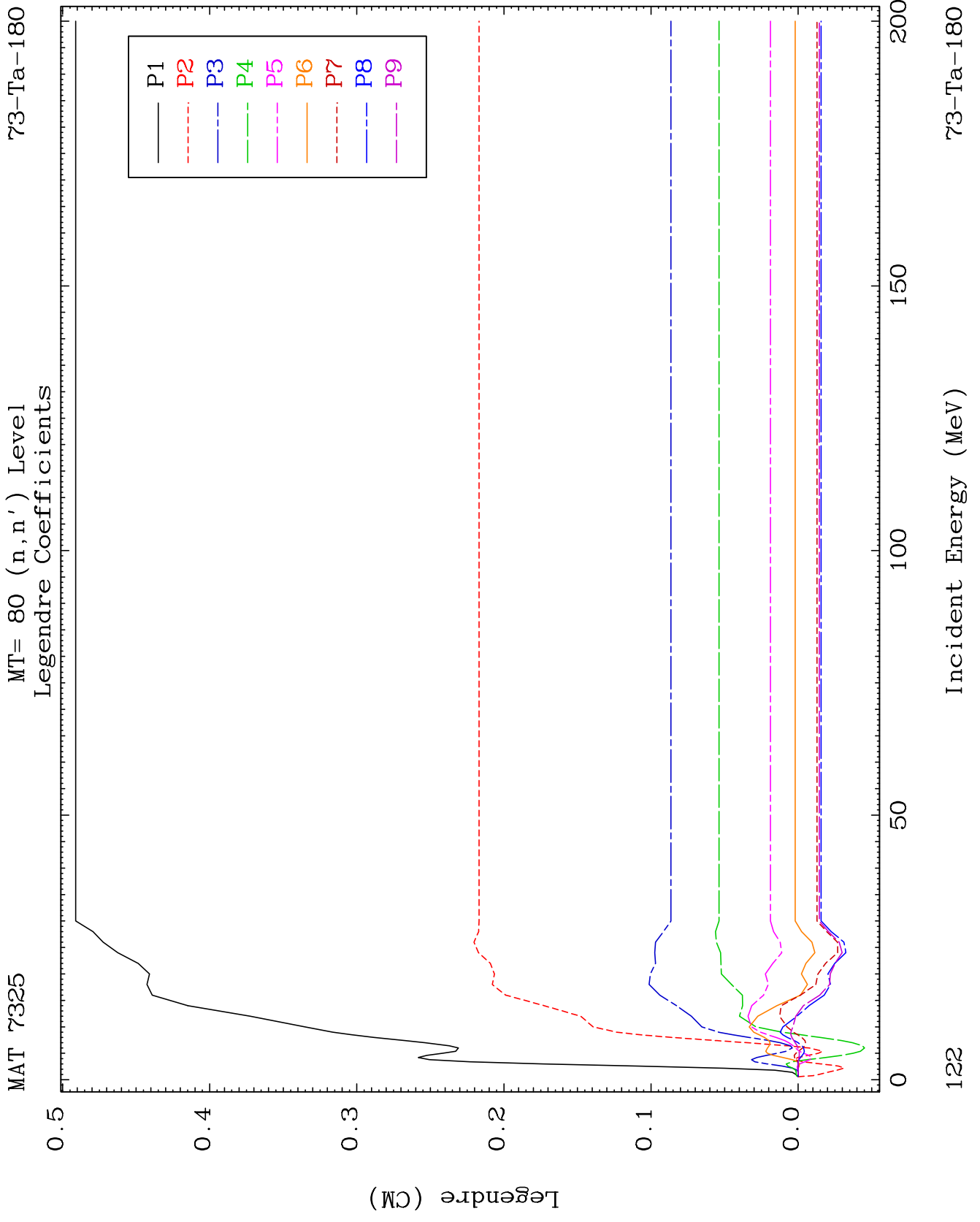
Incident Energy (MeV)

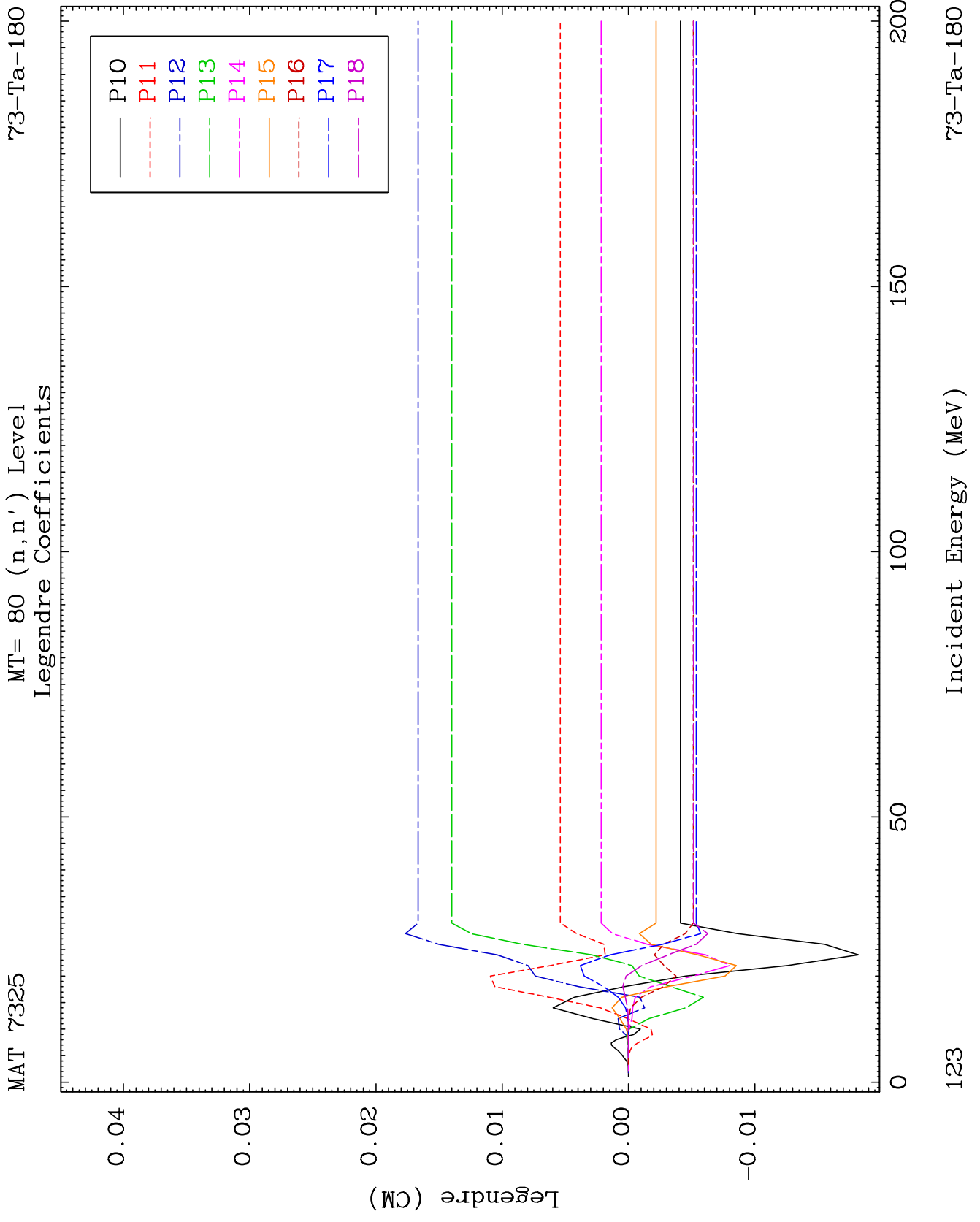
73-Ta-180

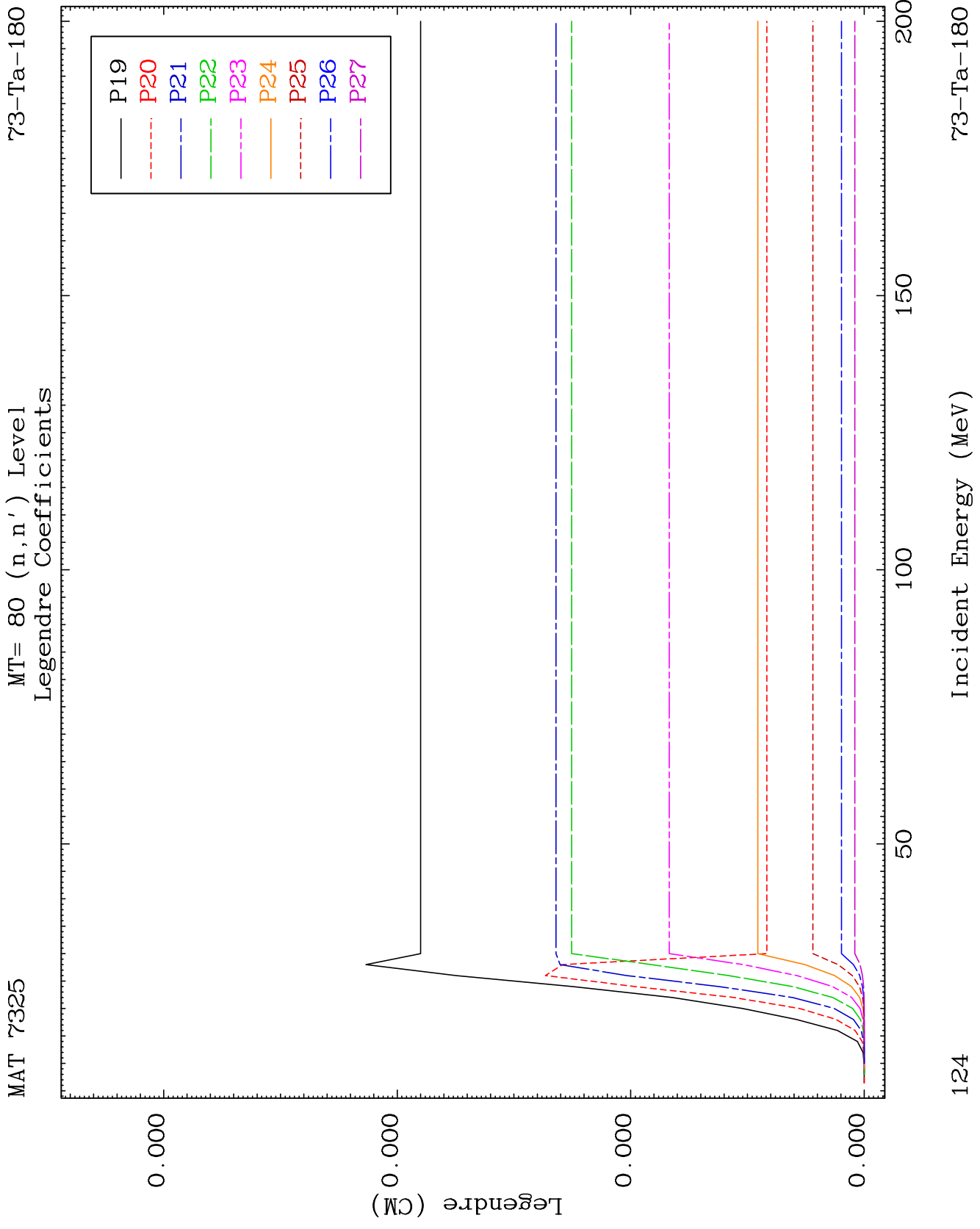


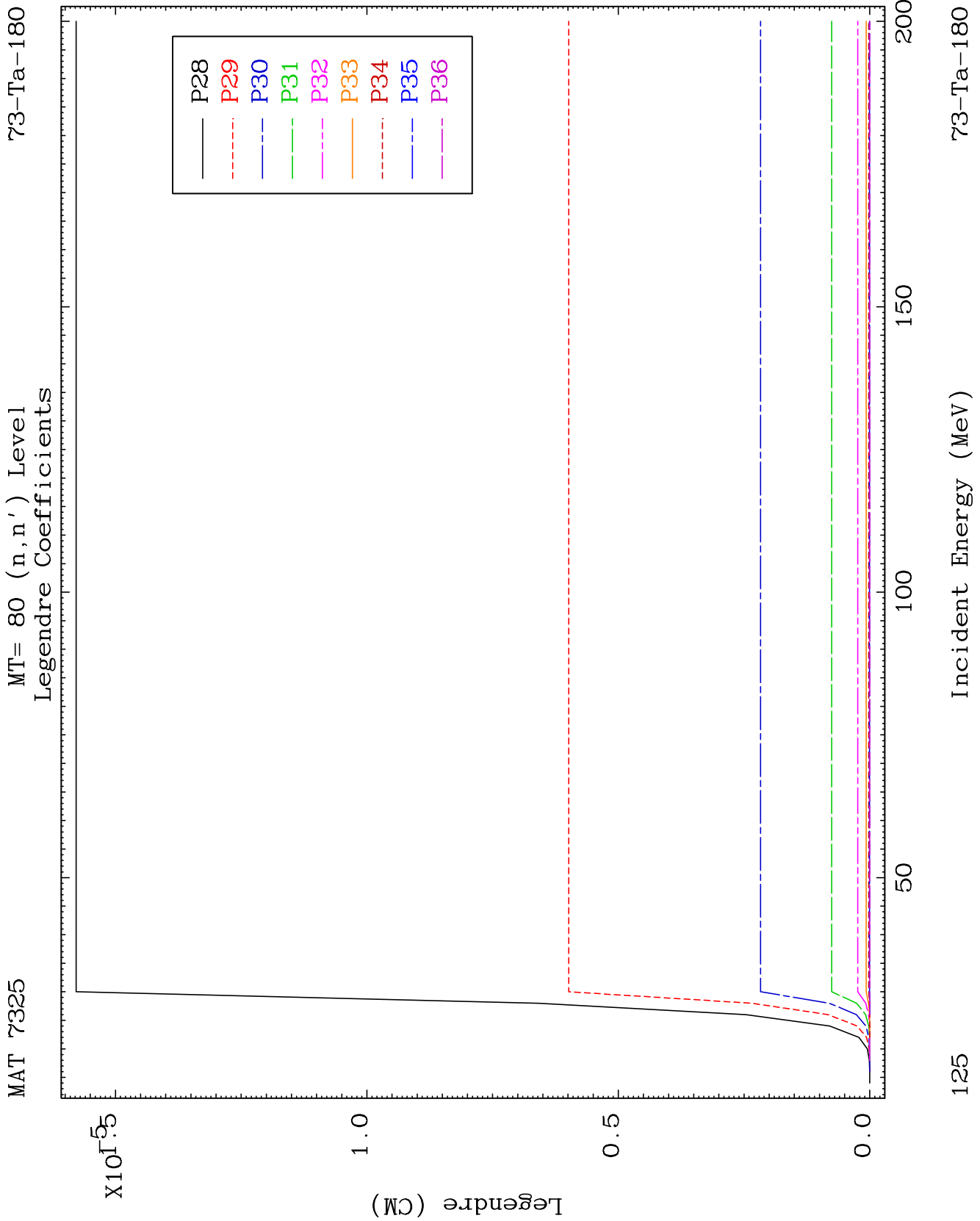








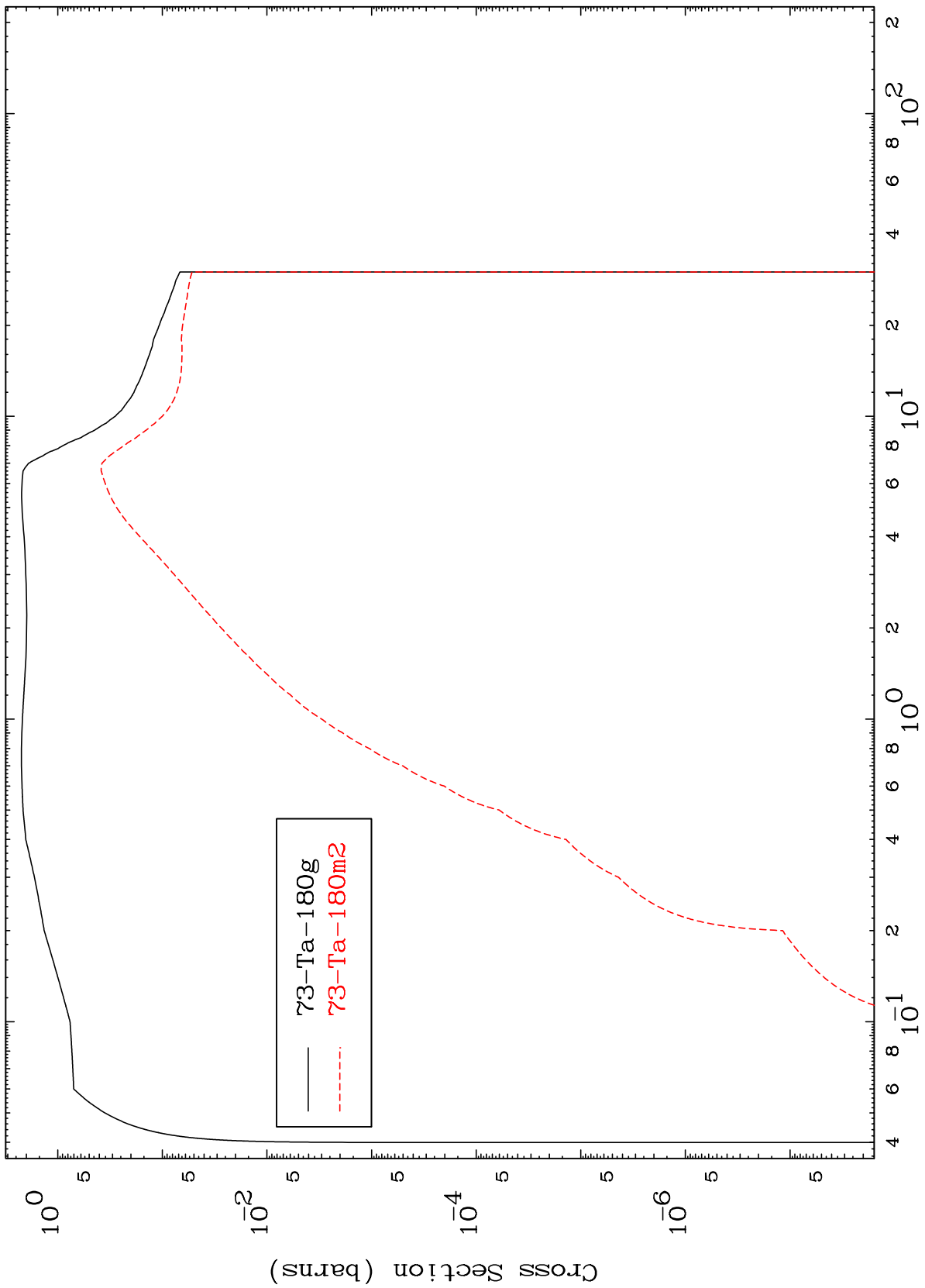




MAT 7325

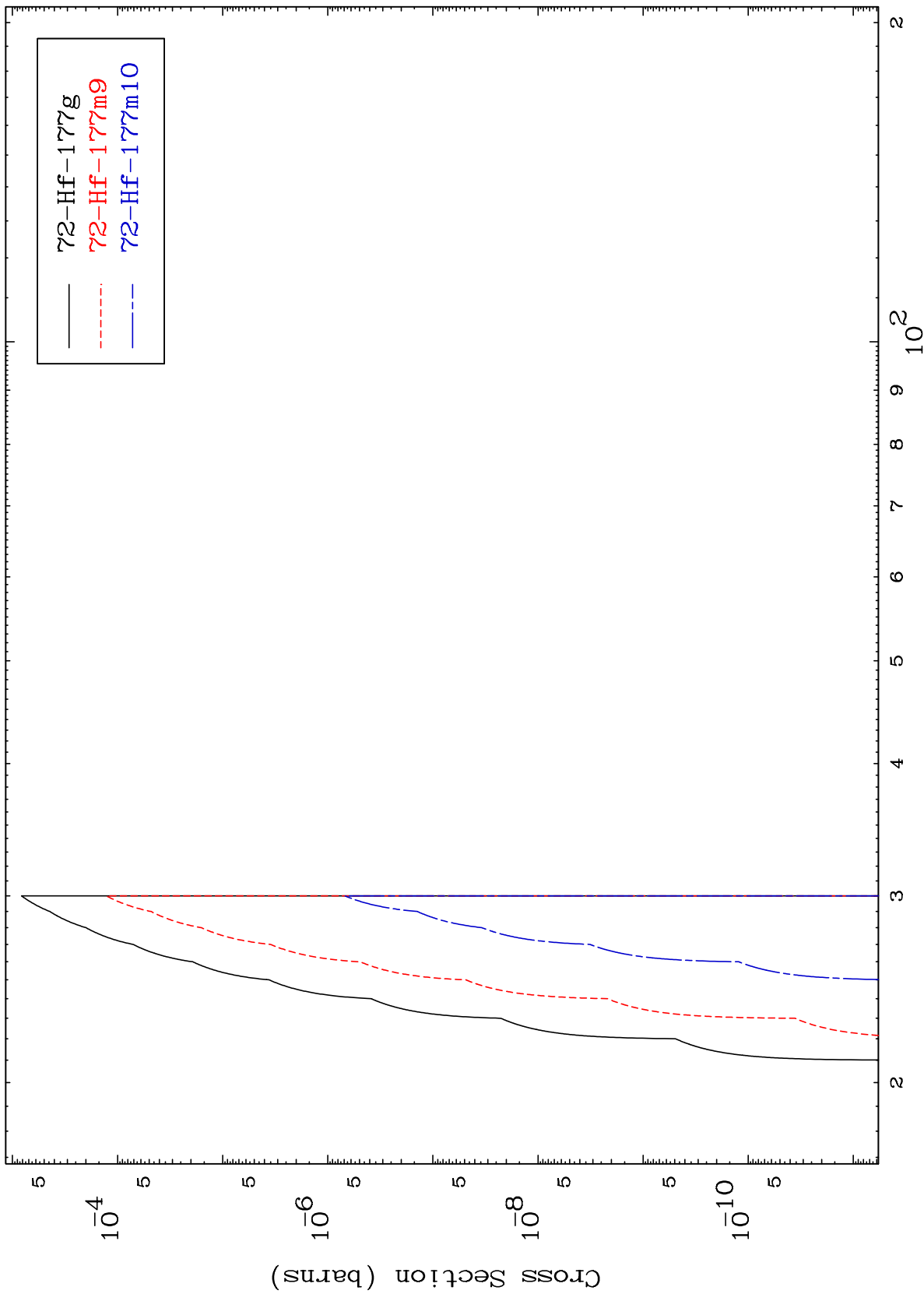
73-Ta-180

Inelastic
Radionuclide Production Cross Section



— 73-Ta-180
- - - 73-Ta-180m2

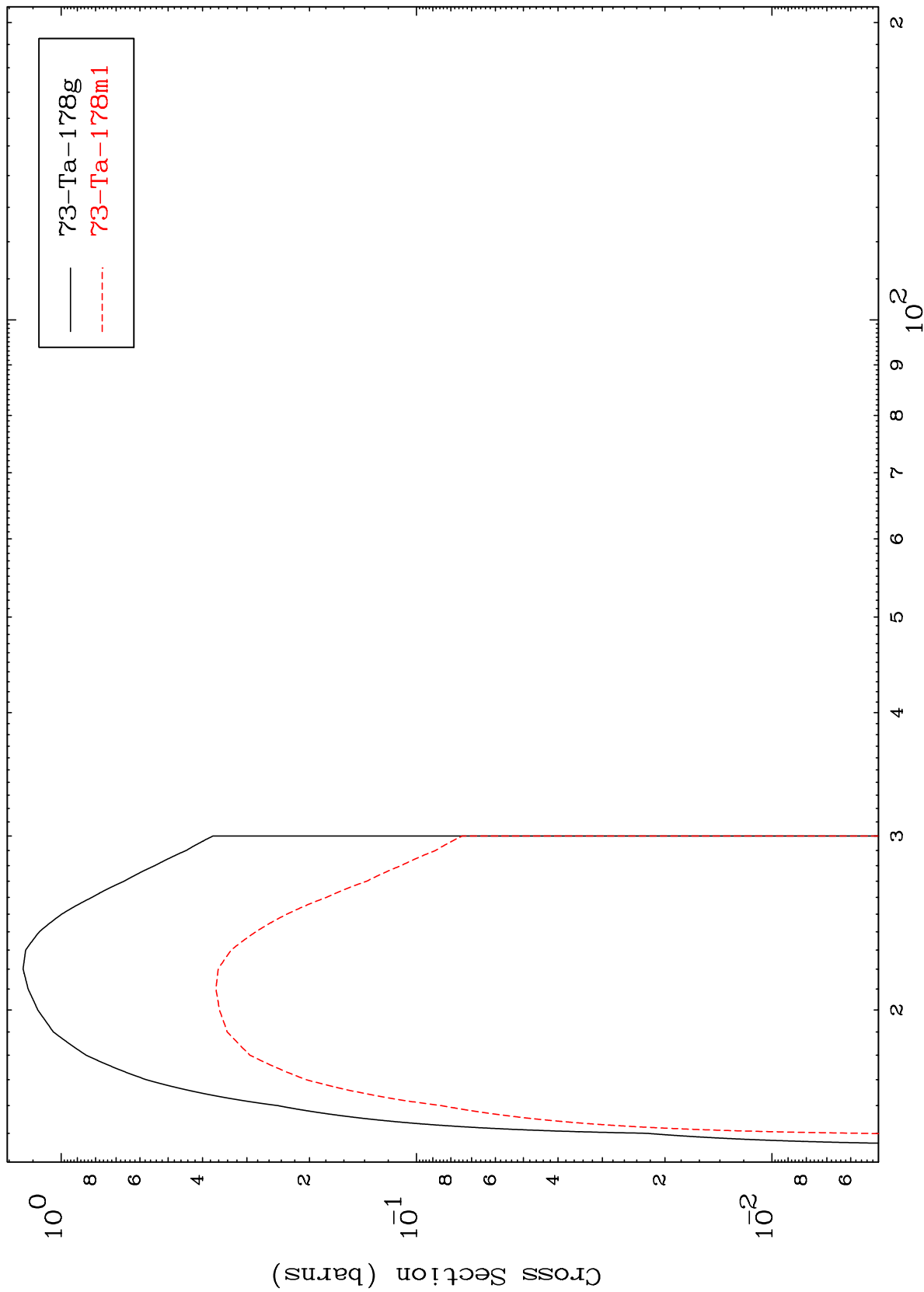
Radionuclide Production Cross Section



MAT 7325

73-Ta-180

(n,3n)
Radionuclide Production Cross Section



128

73-Ta-180

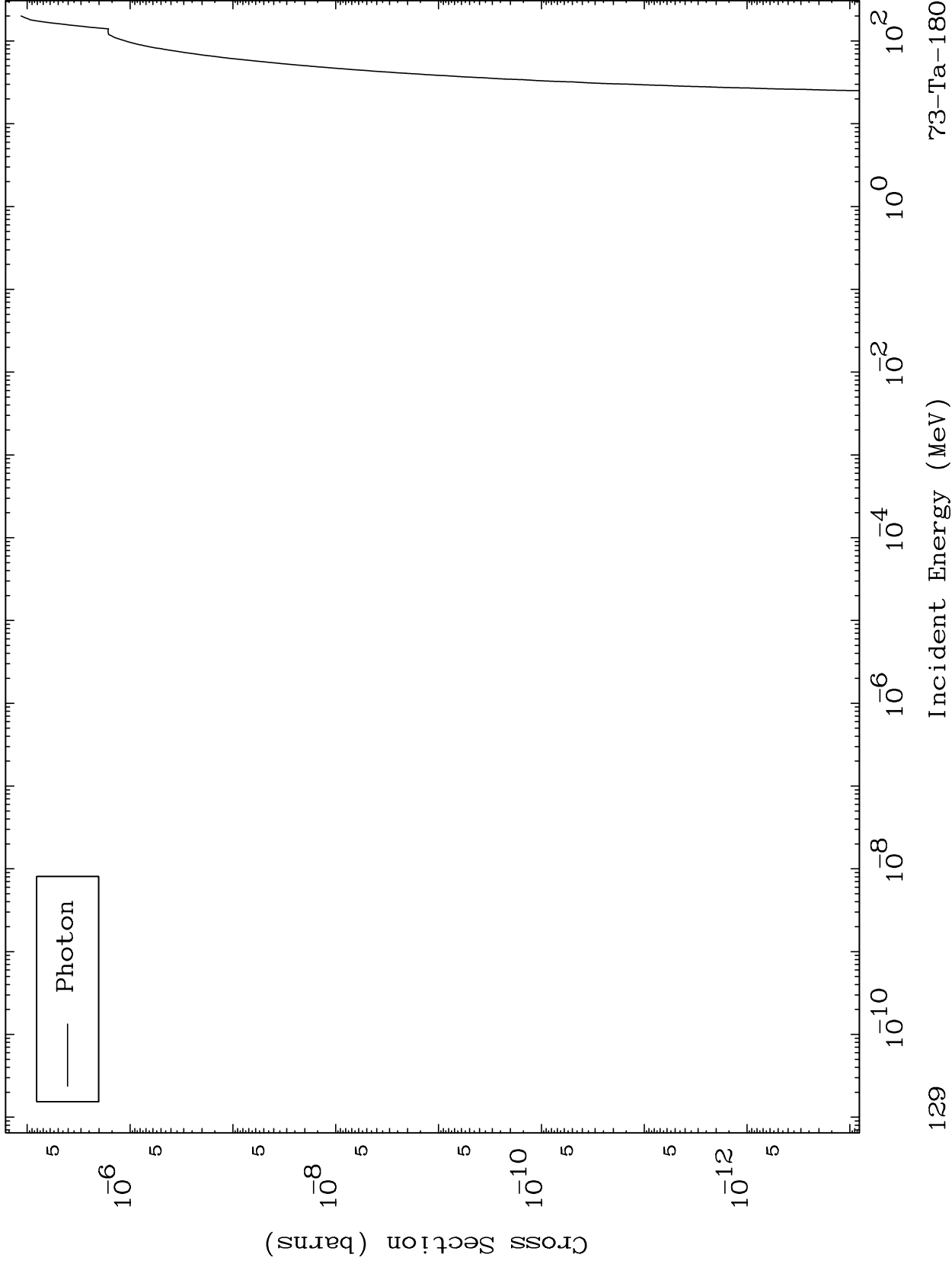
Incident Energy (MeV)

MAT 7325

Fission

⁷³Ta-180

Radionuclide Production Cross Section

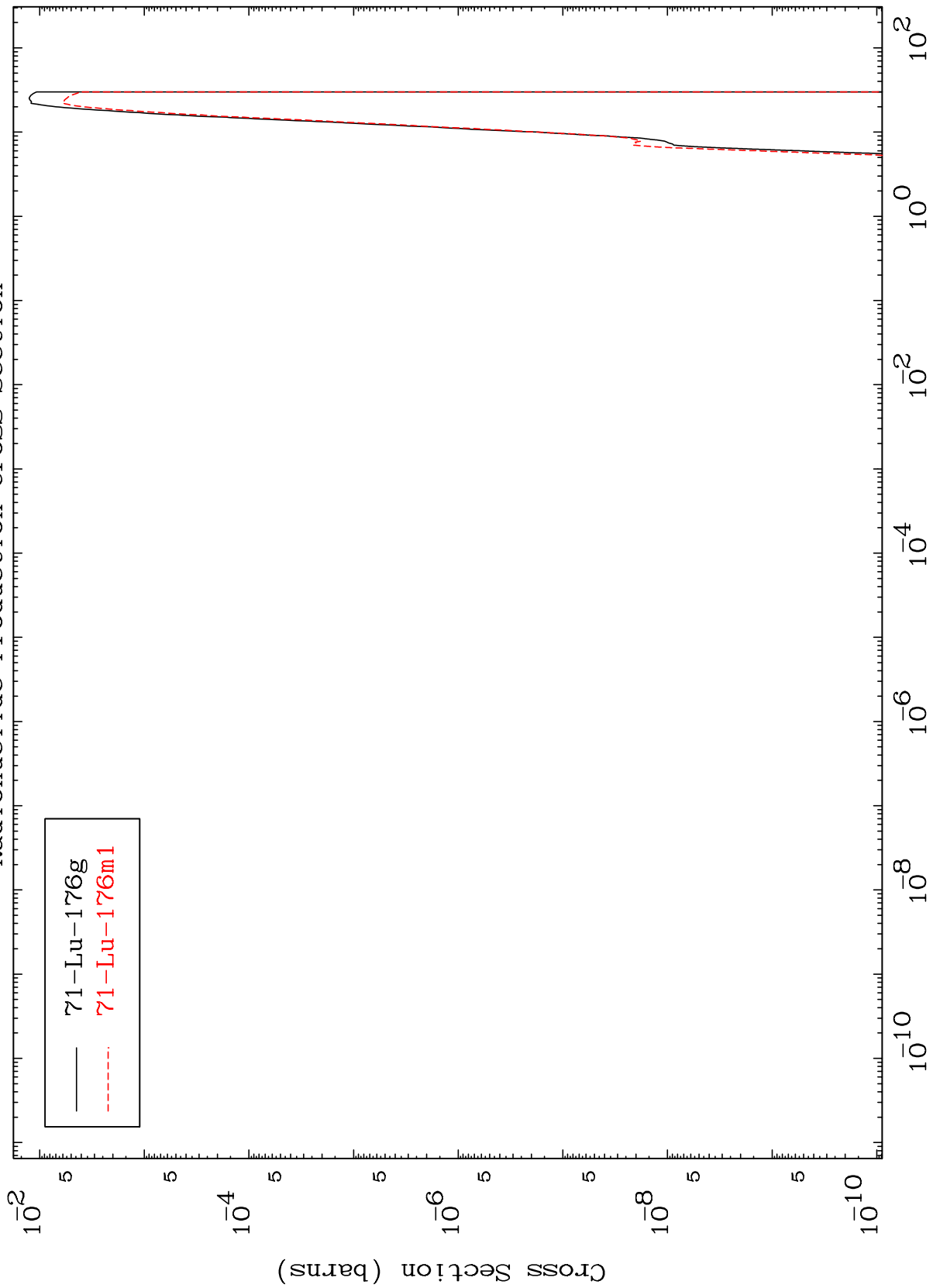


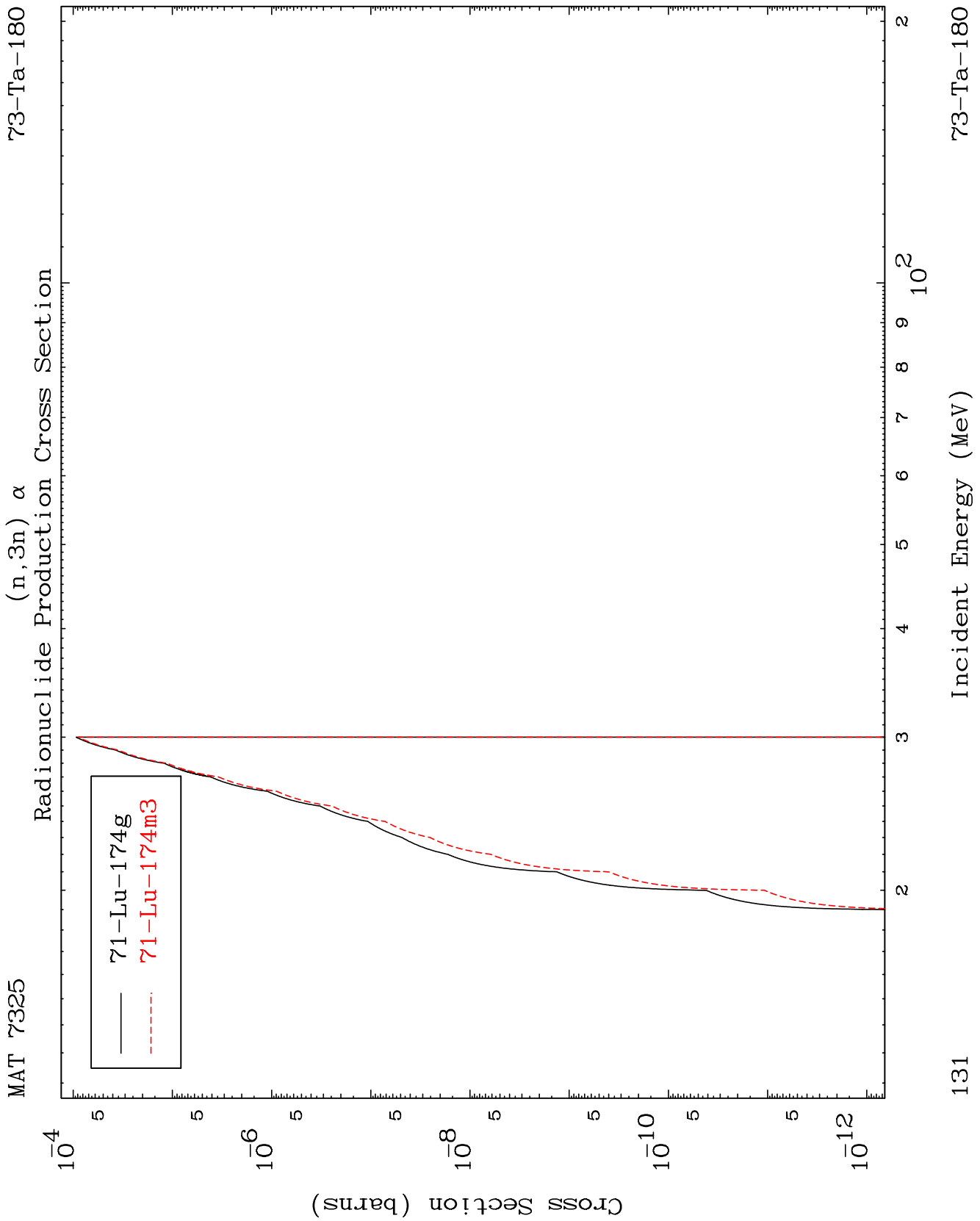
MAT 7325

$(n, n') \alpha$

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section



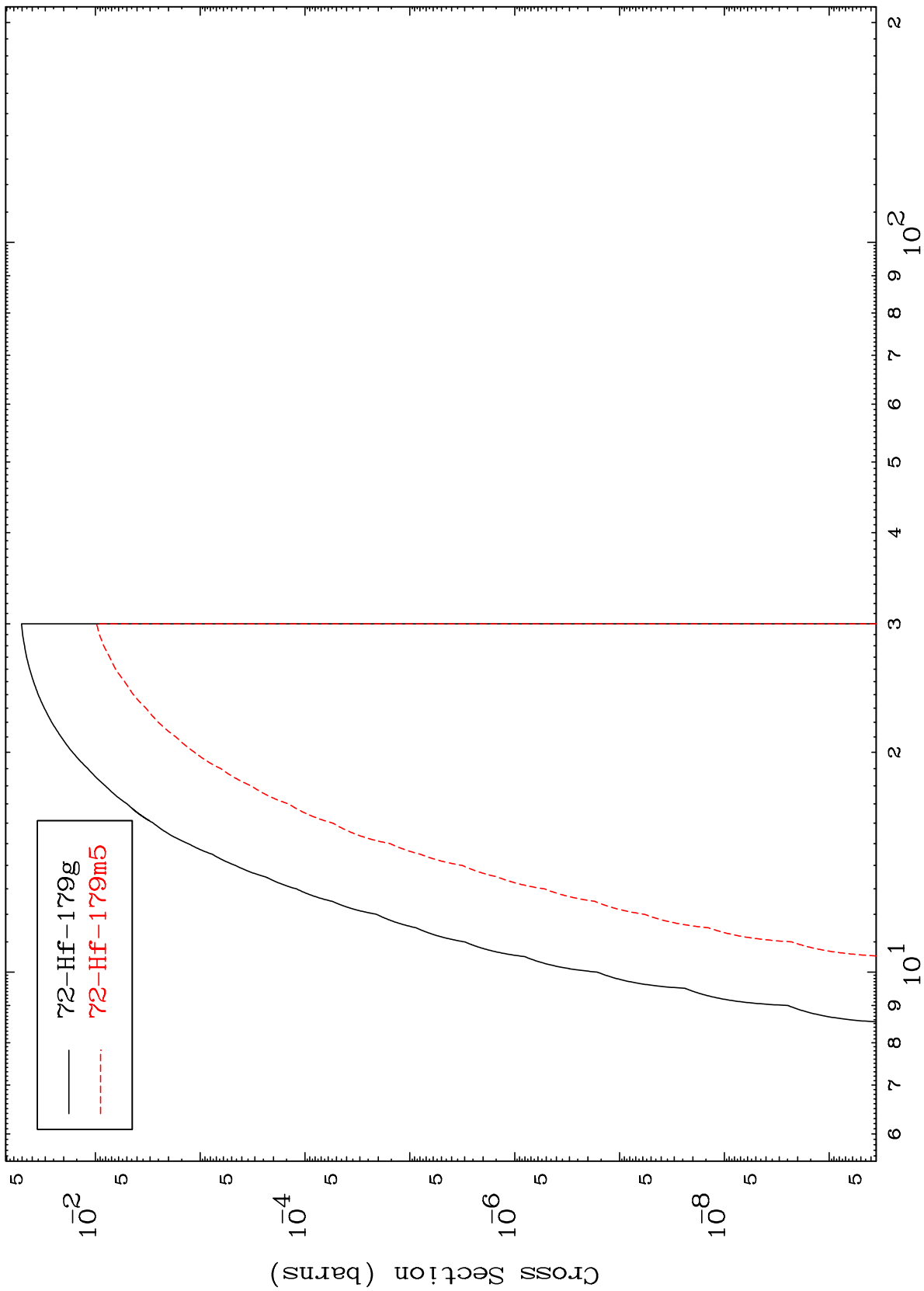


MAT 7325

(n,n') p

73-Ta-180

Radionuclide Production Cross Section



132

Incident Energy (MeV)

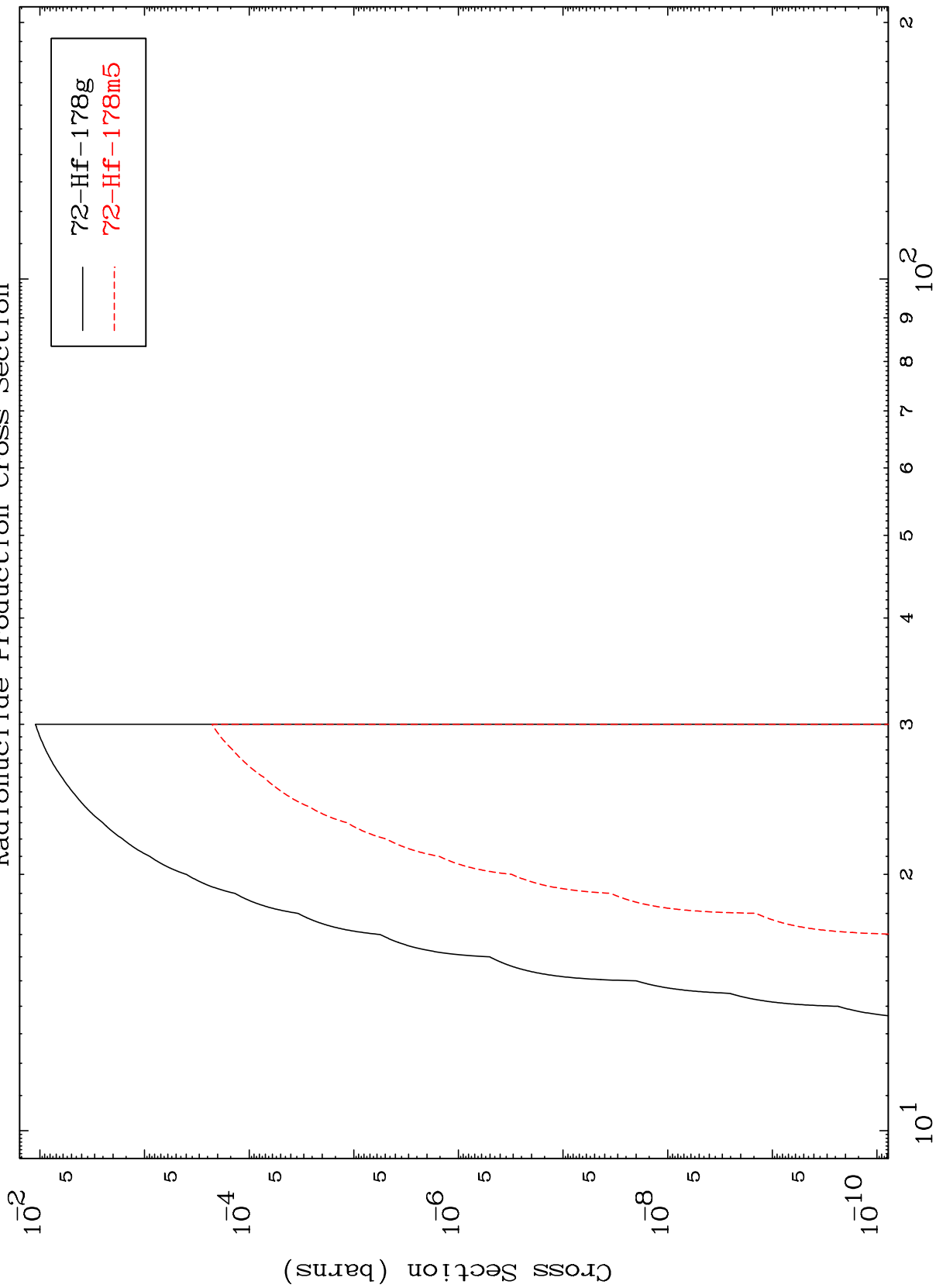
73-Ta-180

MAT 7325

(n,n') d

73-Ta-180

Radionuclide Production Cross Section

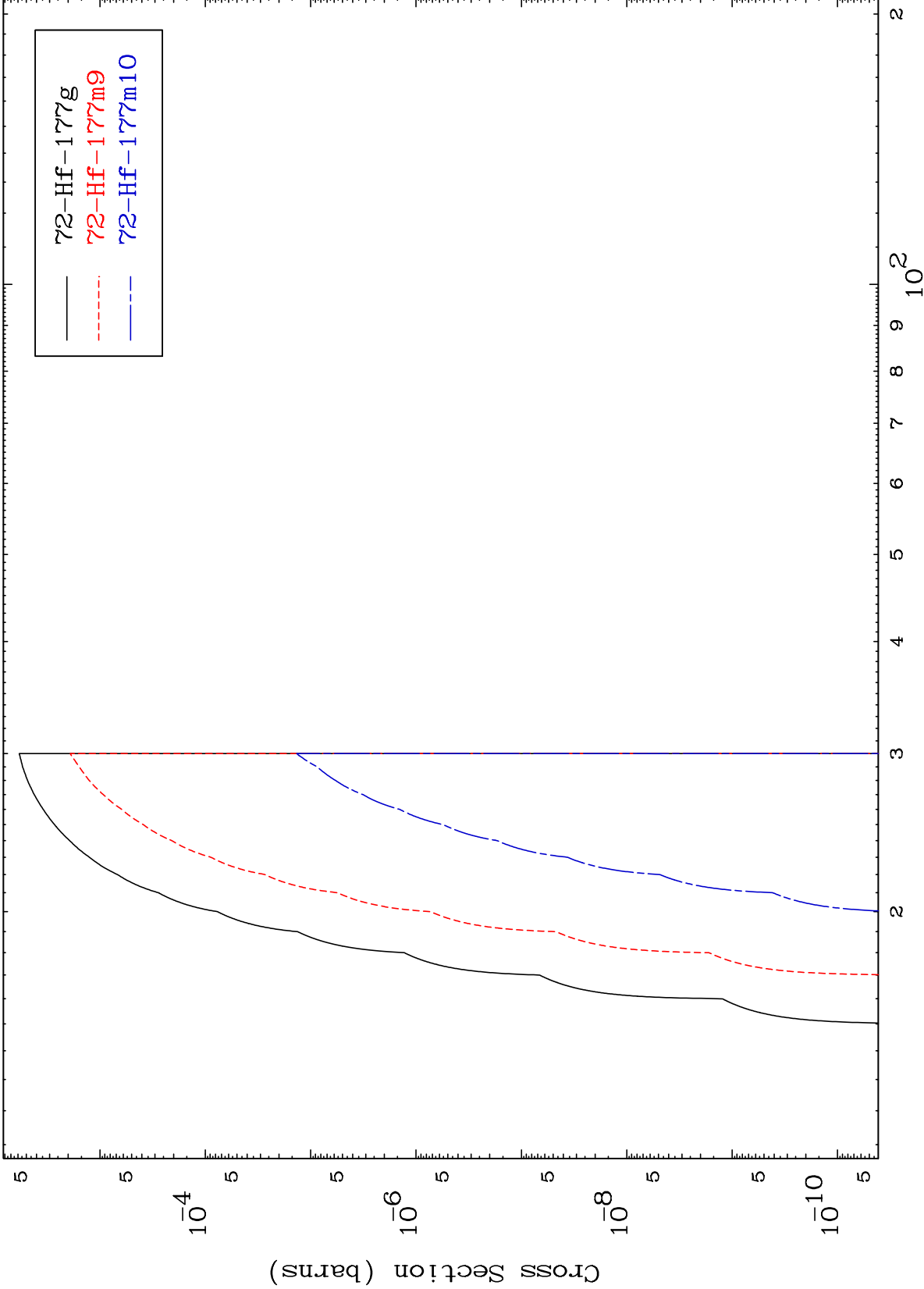


133

Incident Energy (MeV)

73-Ta-180

Radionuclide Production Cross Section

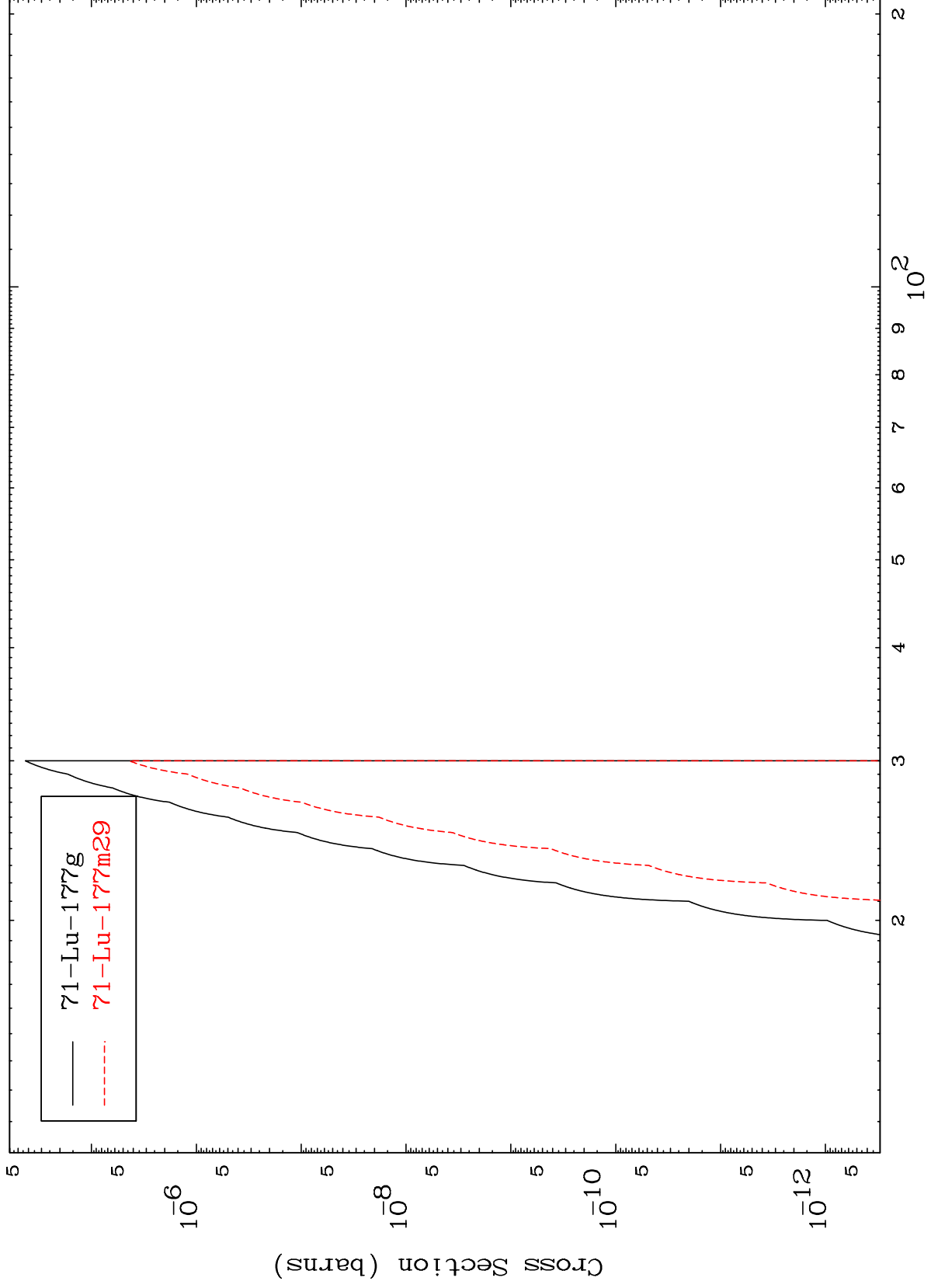


MAT 7325

(n,n') He-3

73-Ta-180

Radionuclide Production Cross Section



135

Incident Energy (MeV)

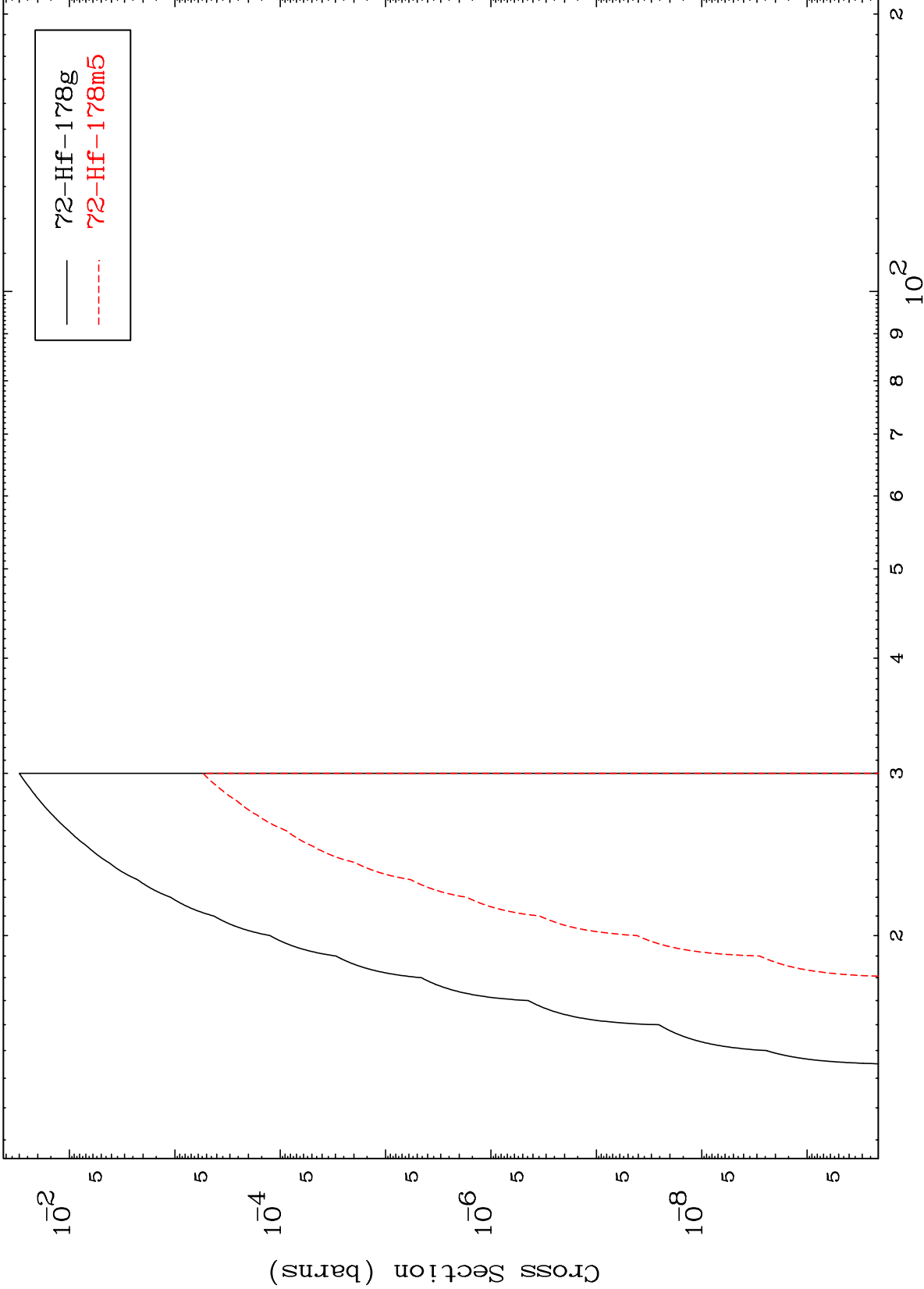
73-Ta-180

MAT 7325

(n,2n) p

73-Ta-180

Radionuclide Production Cross Section



136

Incident Energy (MeV)

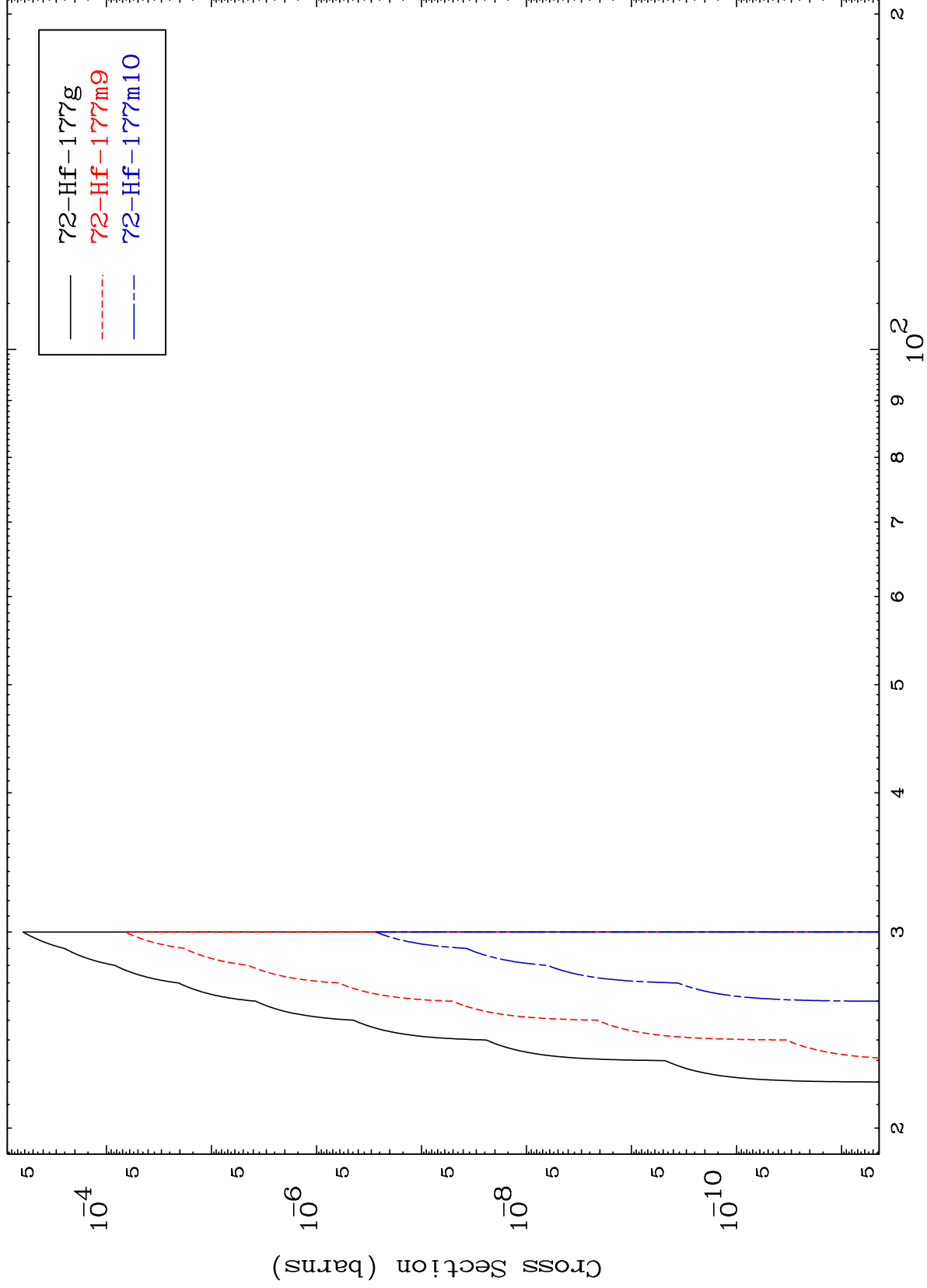
73-Ta-180

MAT 7325

(n,3n) p

73-Ta-180

Radionuclide Production Cross Section



137

Incident Energy (MeV)

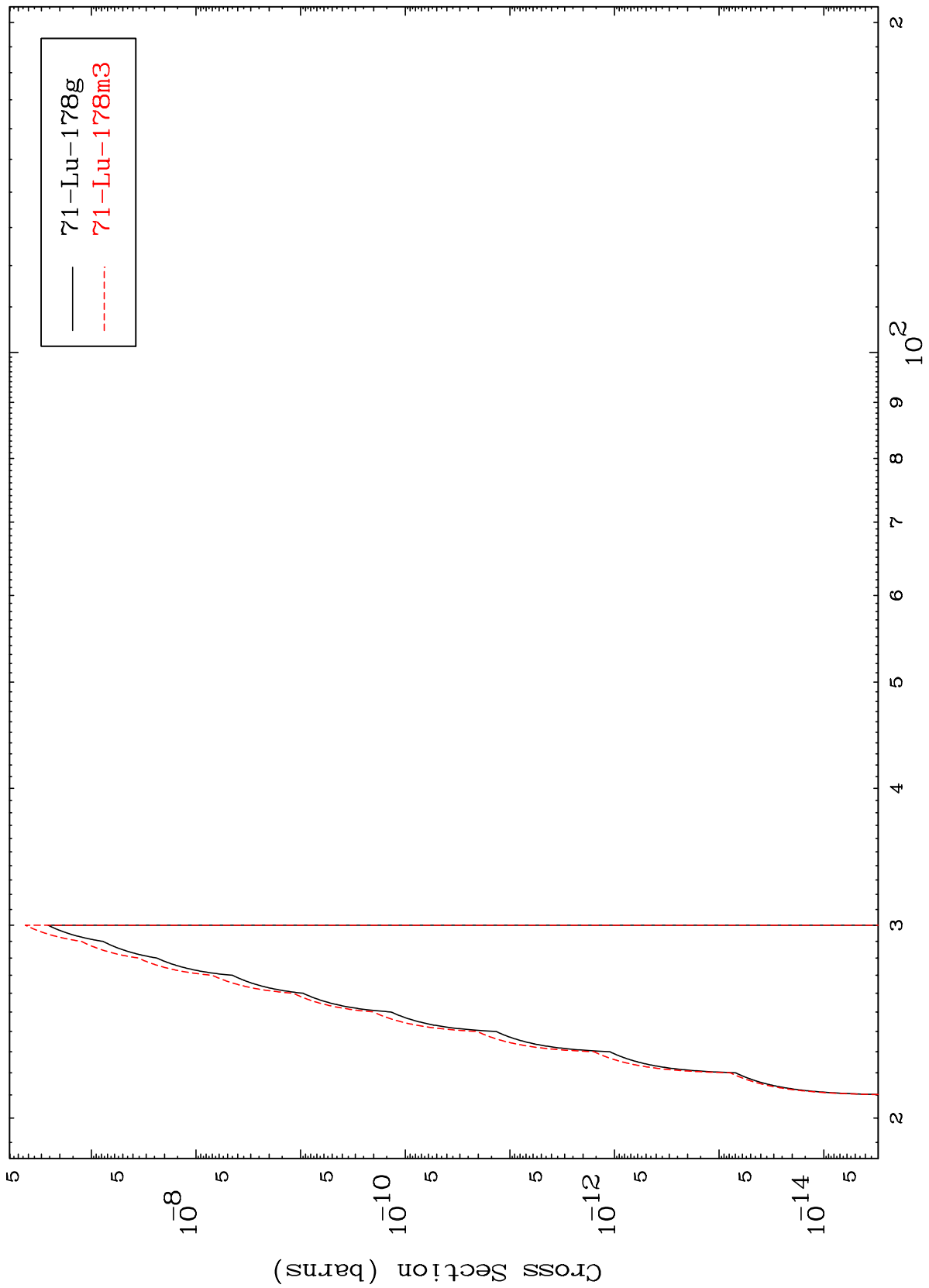
73-Ta-180

MAT 7325

(n,2n) p

73-Ta-180

Radionuclide Production Cross Section



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

138

Incident Energy (MeV)

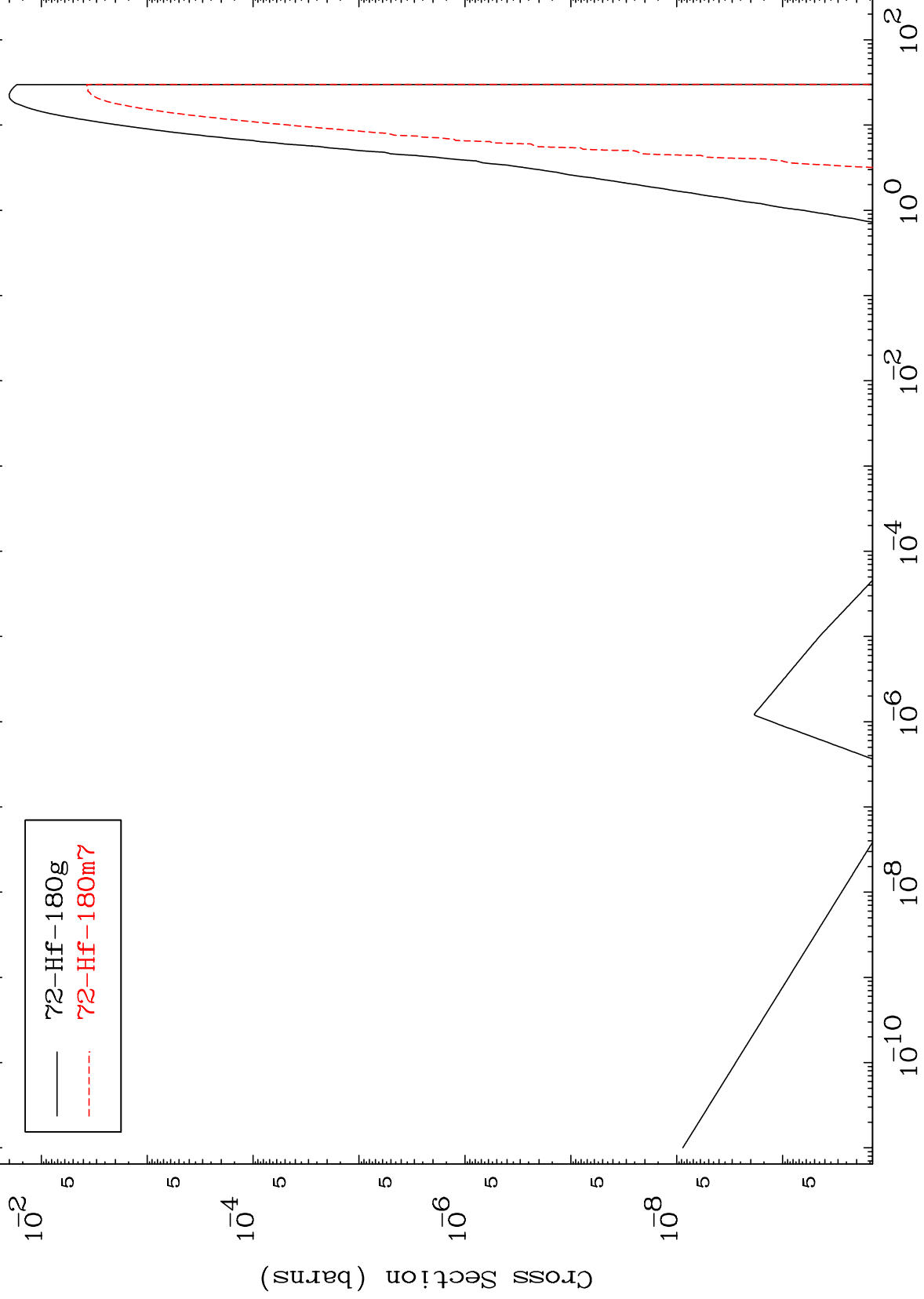
73-Ta-180

MAT 7325

(n,p)

⁷³Ta-180

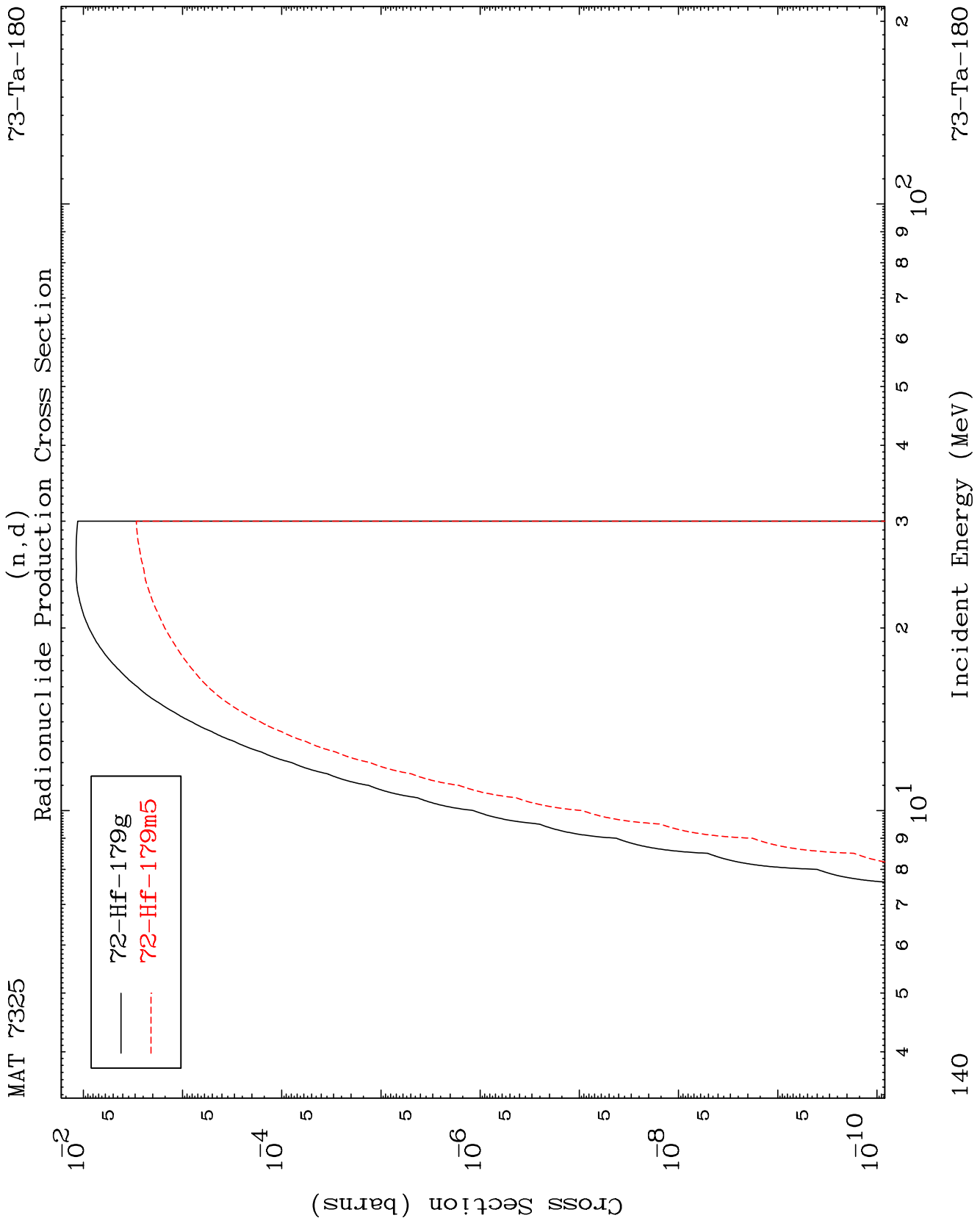
Radionuclide Production Cross Section



139

Incident Energy (MeV)

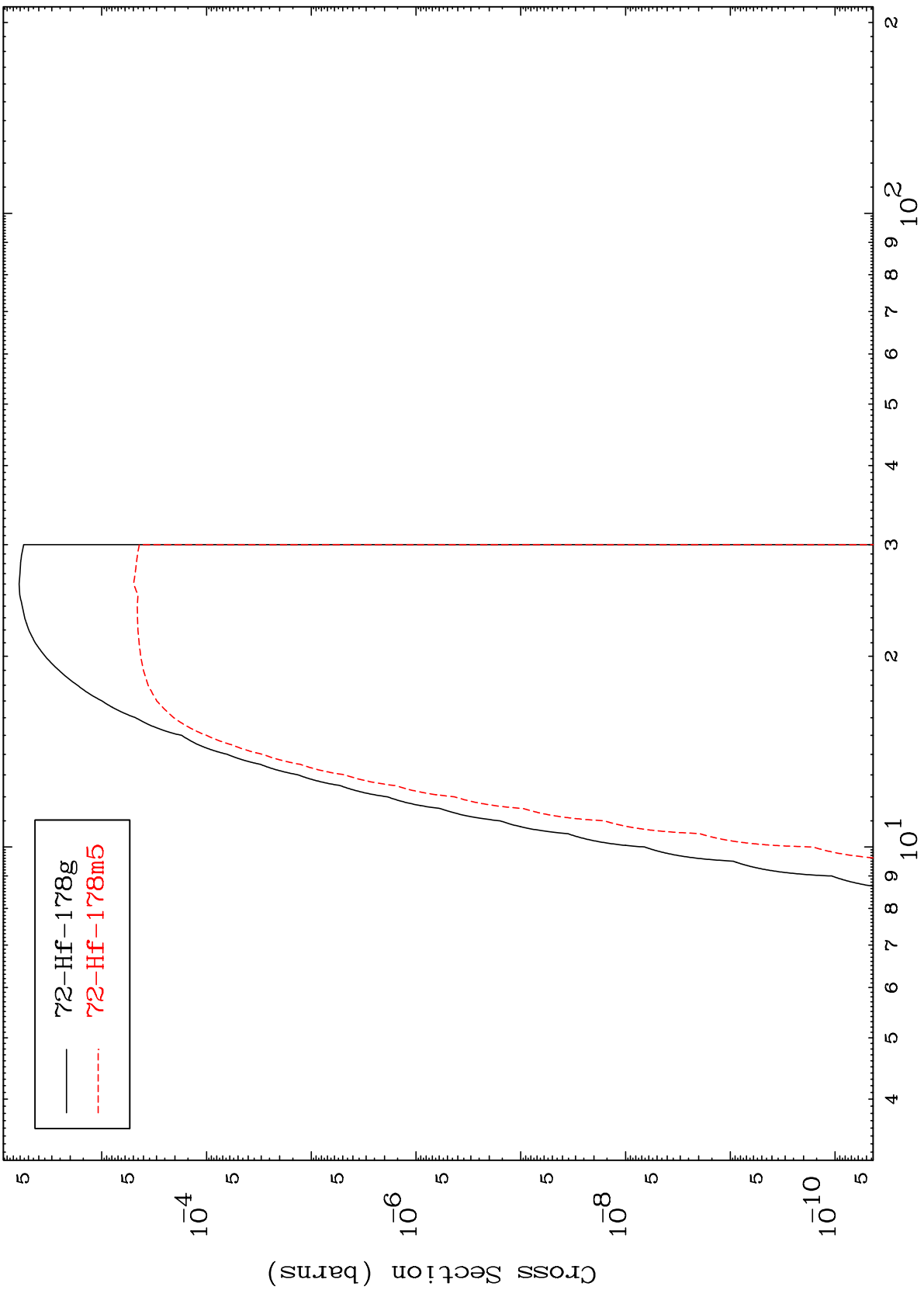
⁷³Ta-180



MAT 7325

⁷³Ta-180

Radionuclide Production Cross Section



141

Incident Energy (MeV)

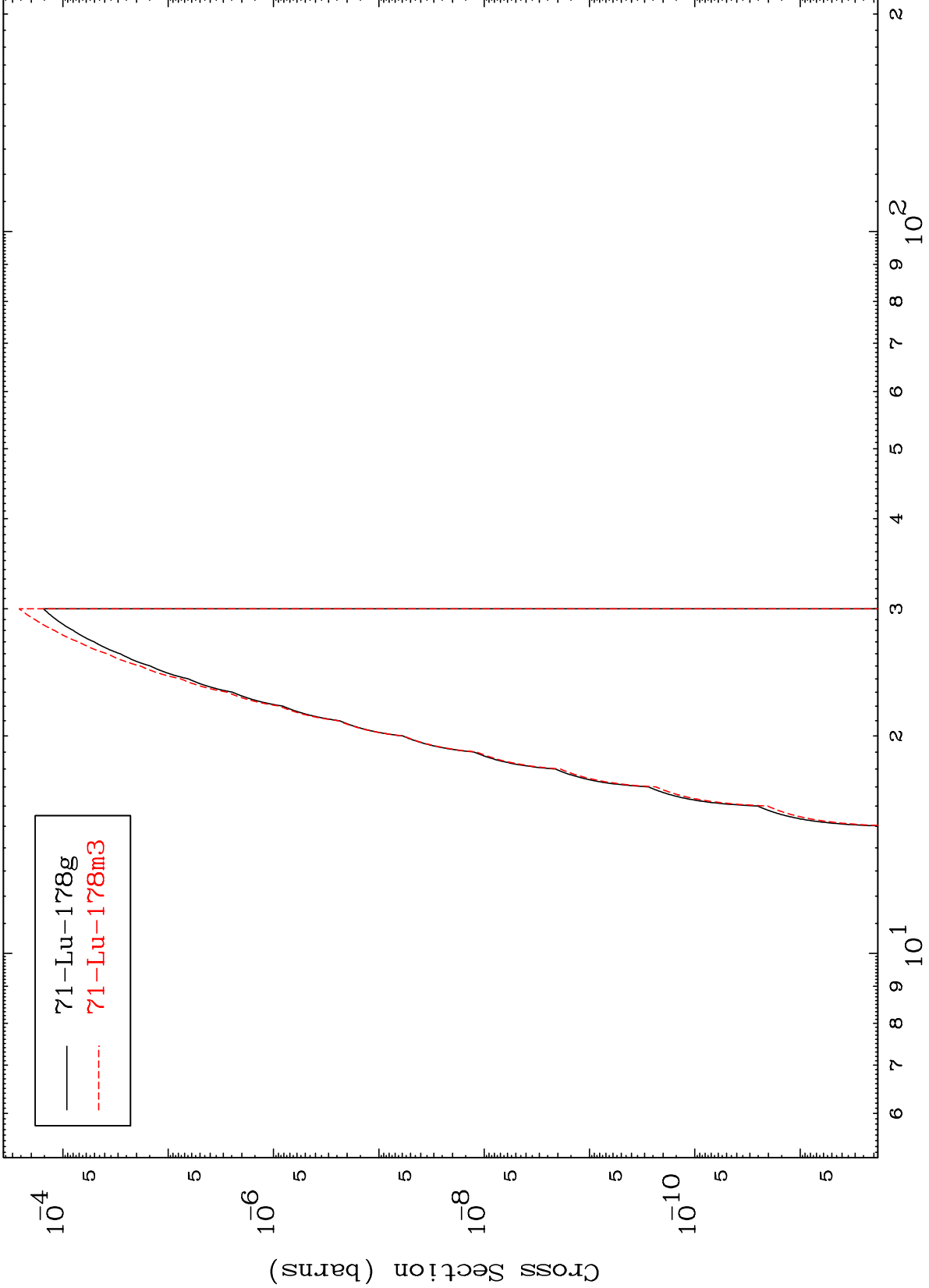
⁷³Ta-180

MAT 7325

(n,He-3)

73-Ta-180

Radionuclide Production Cross Section



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

142

Incident Energy (MeV)

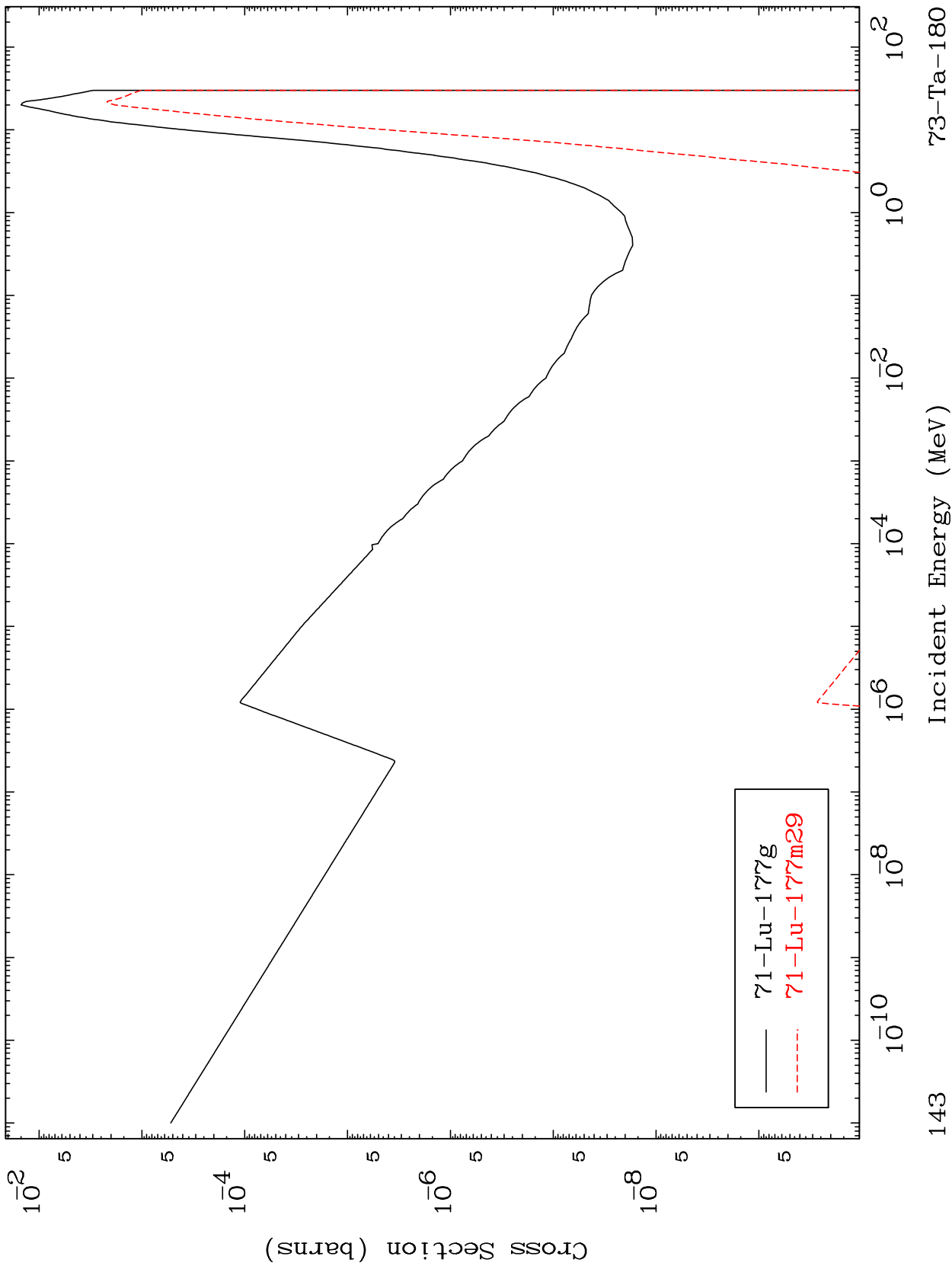
73-Ta-180

MAT 7325

(n, α)

73-Ta-180

Radionuclide Production Cross Section

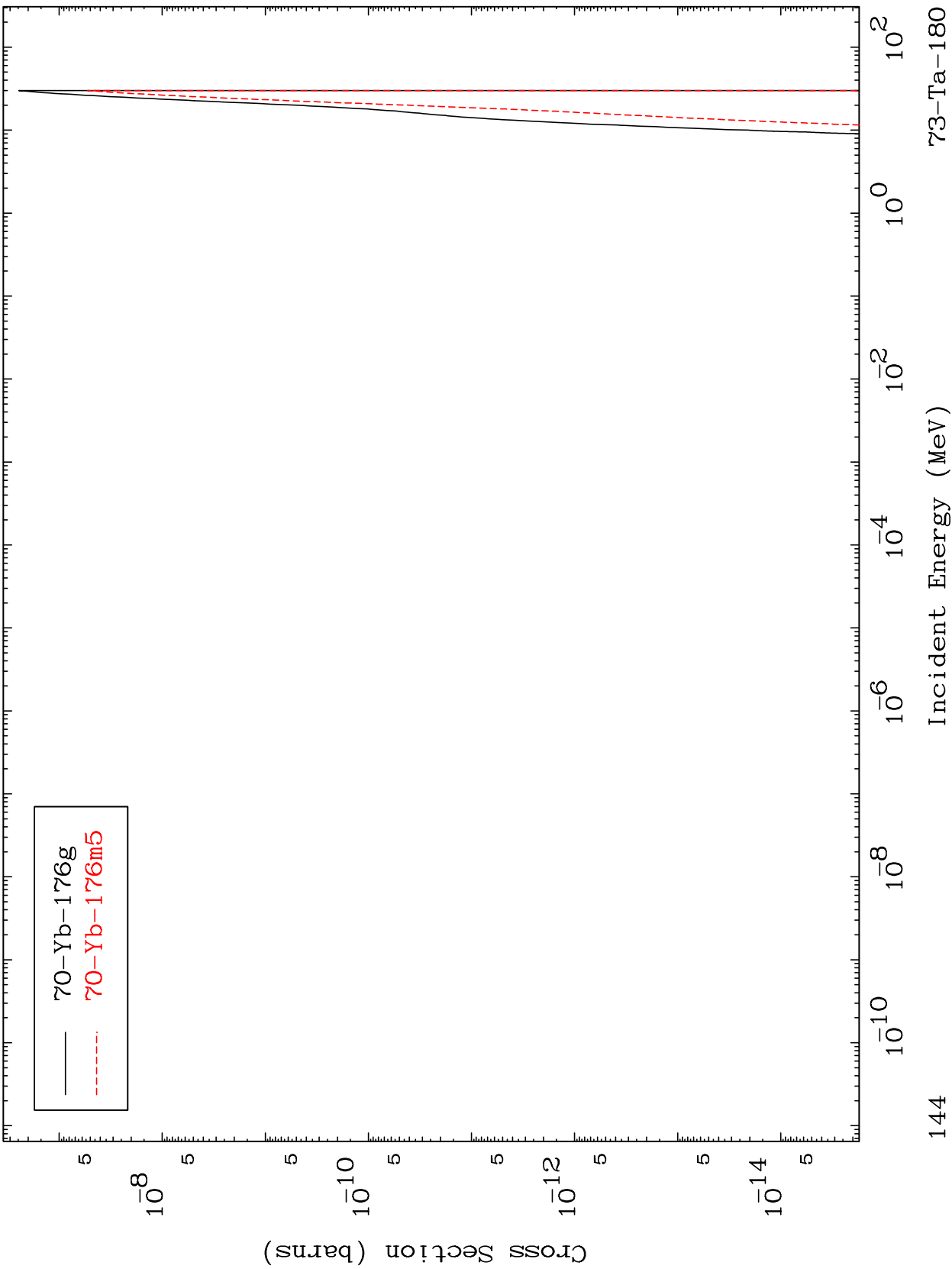


MAT 7325

(n,p) α

$^{73}\text{Ta-180}$

Radionuclide Production Cross Section

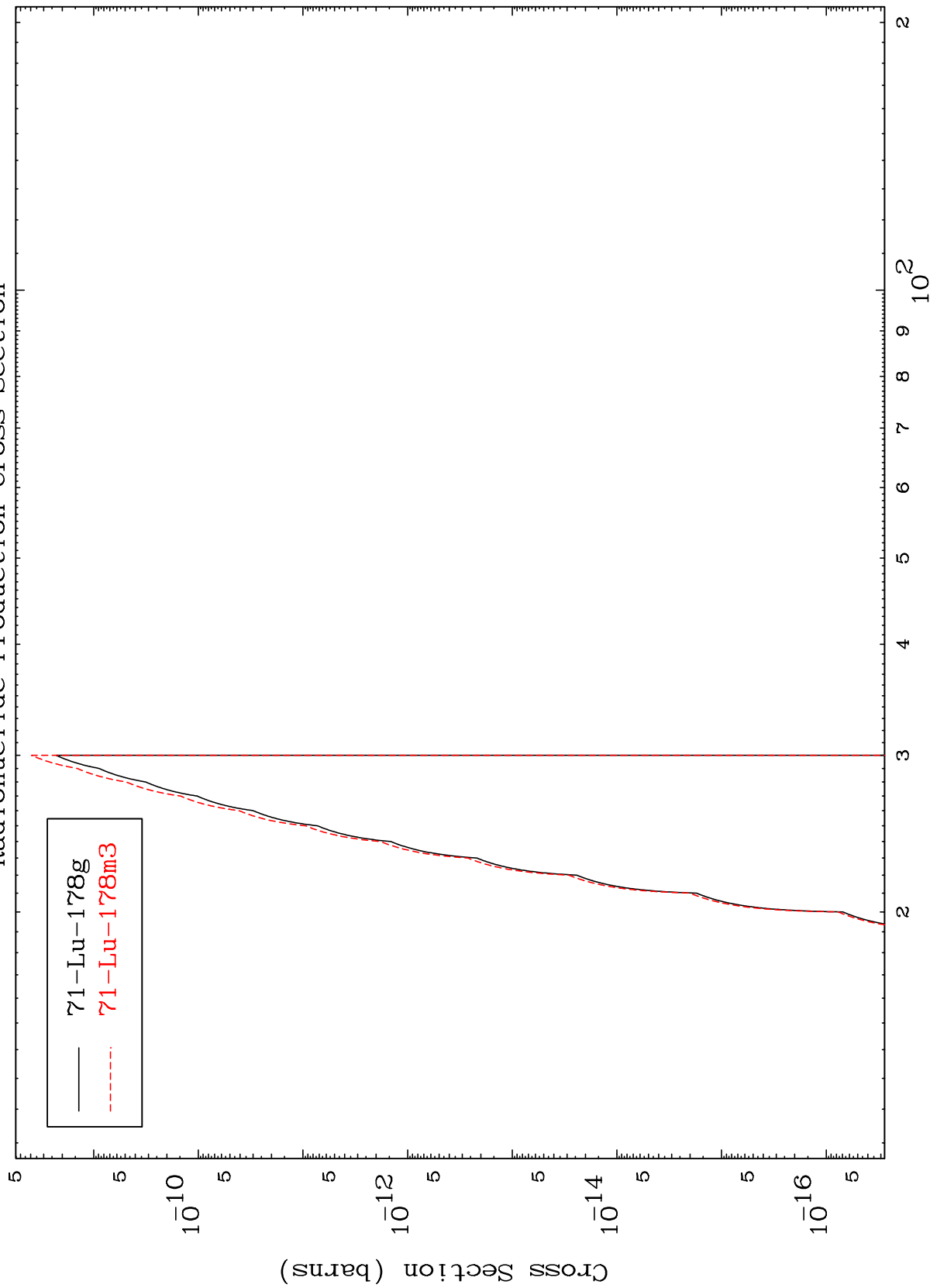


MAT 7325

(n,p) d

⁷³Ta-180

Radionuclide Production Cross Section



145

Incident Energy (MeV)

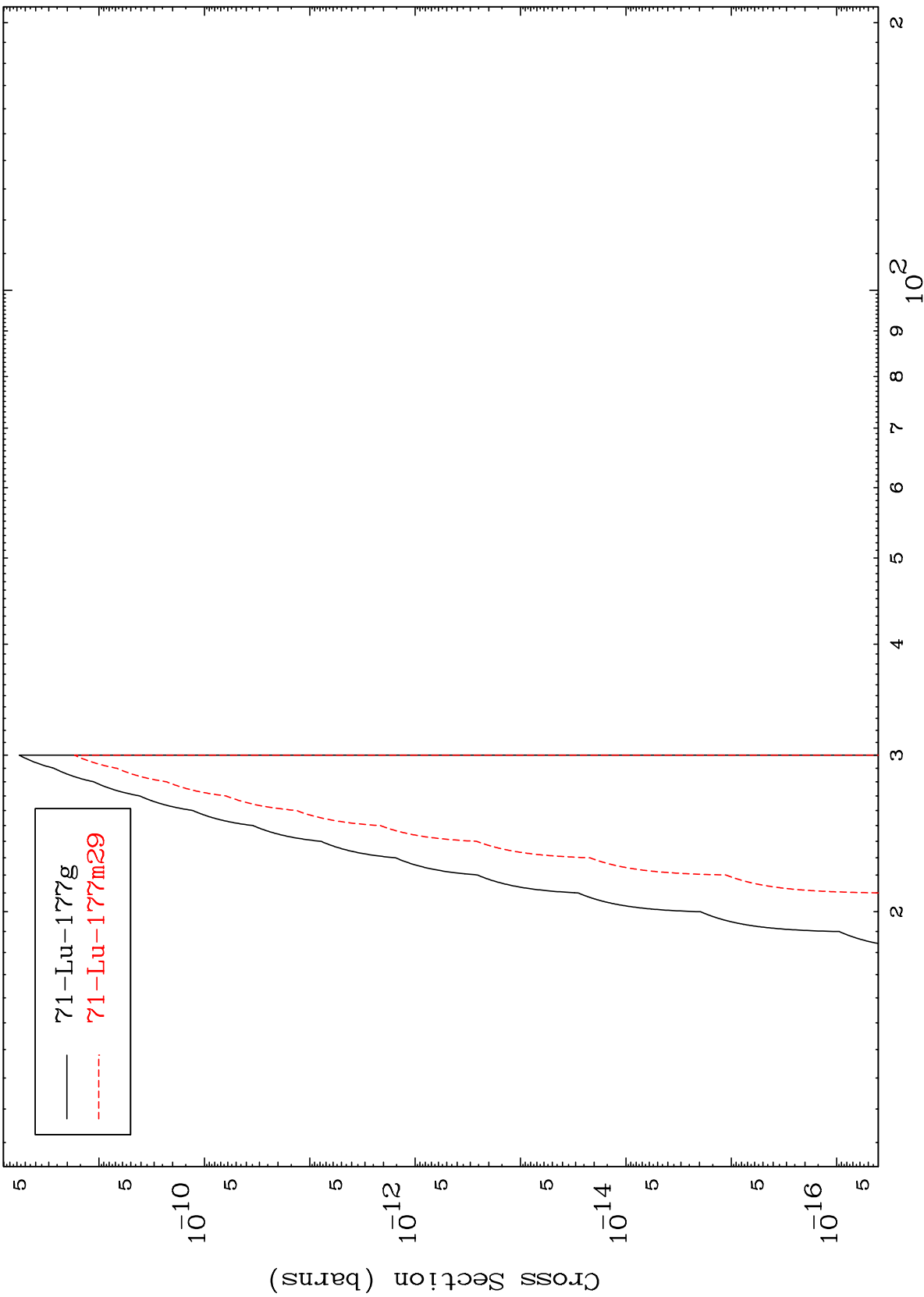
⁷³Ta-180

MAT 7325

(n,p) t

⁷³Ta-180

Radionuclide Production Cross Section



146

Incident Energy (MeV)

⁷³Ta-180