

Program EVALPLOT
(Version 2018-1)

by

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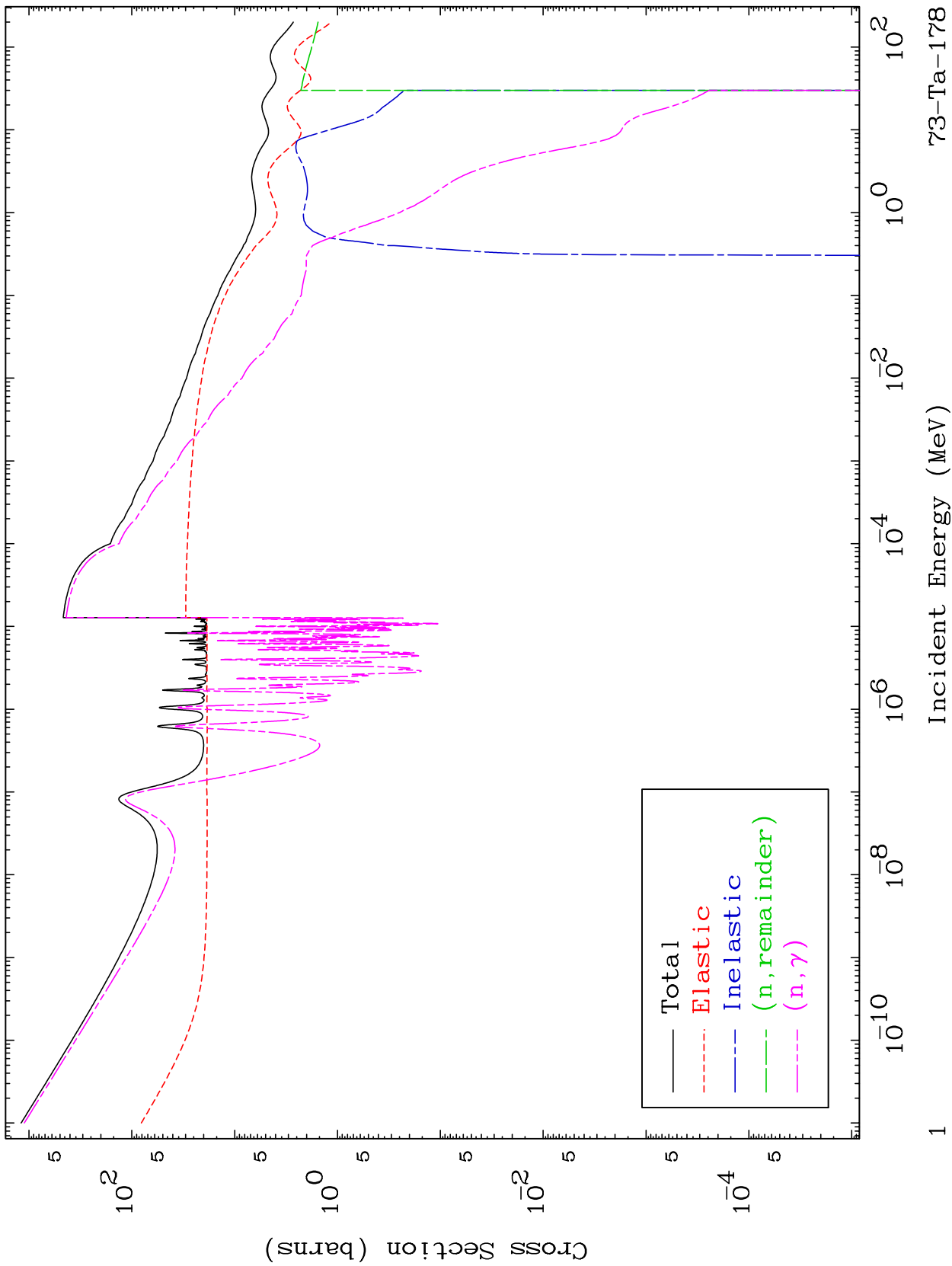
Press Mouse Button to Start

MAT 7319

Major

293 Kelvin Cross Sections

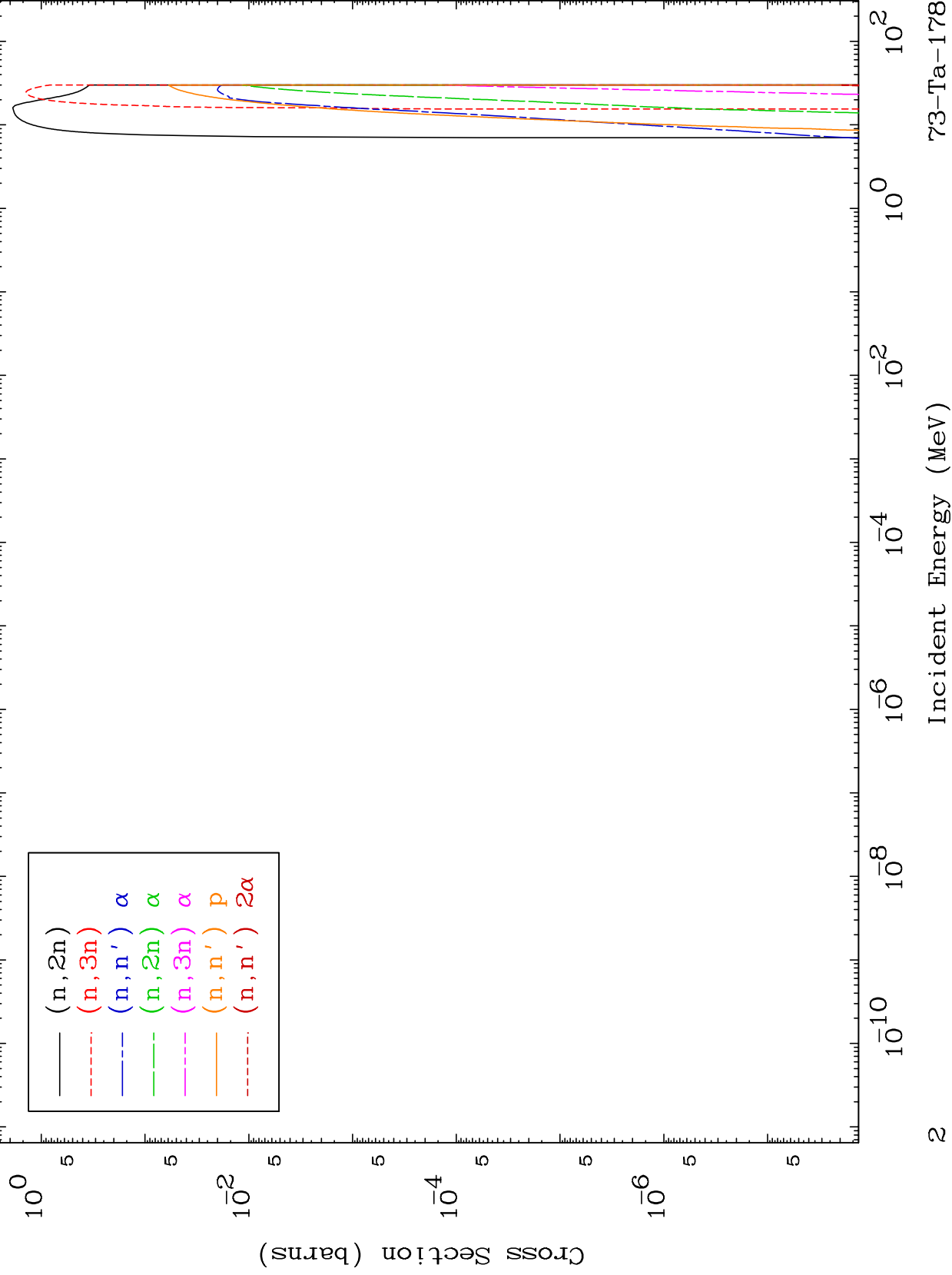
73-Ta-178



MAT 7319

Neutron Production
293 Kelvin Cross Sections

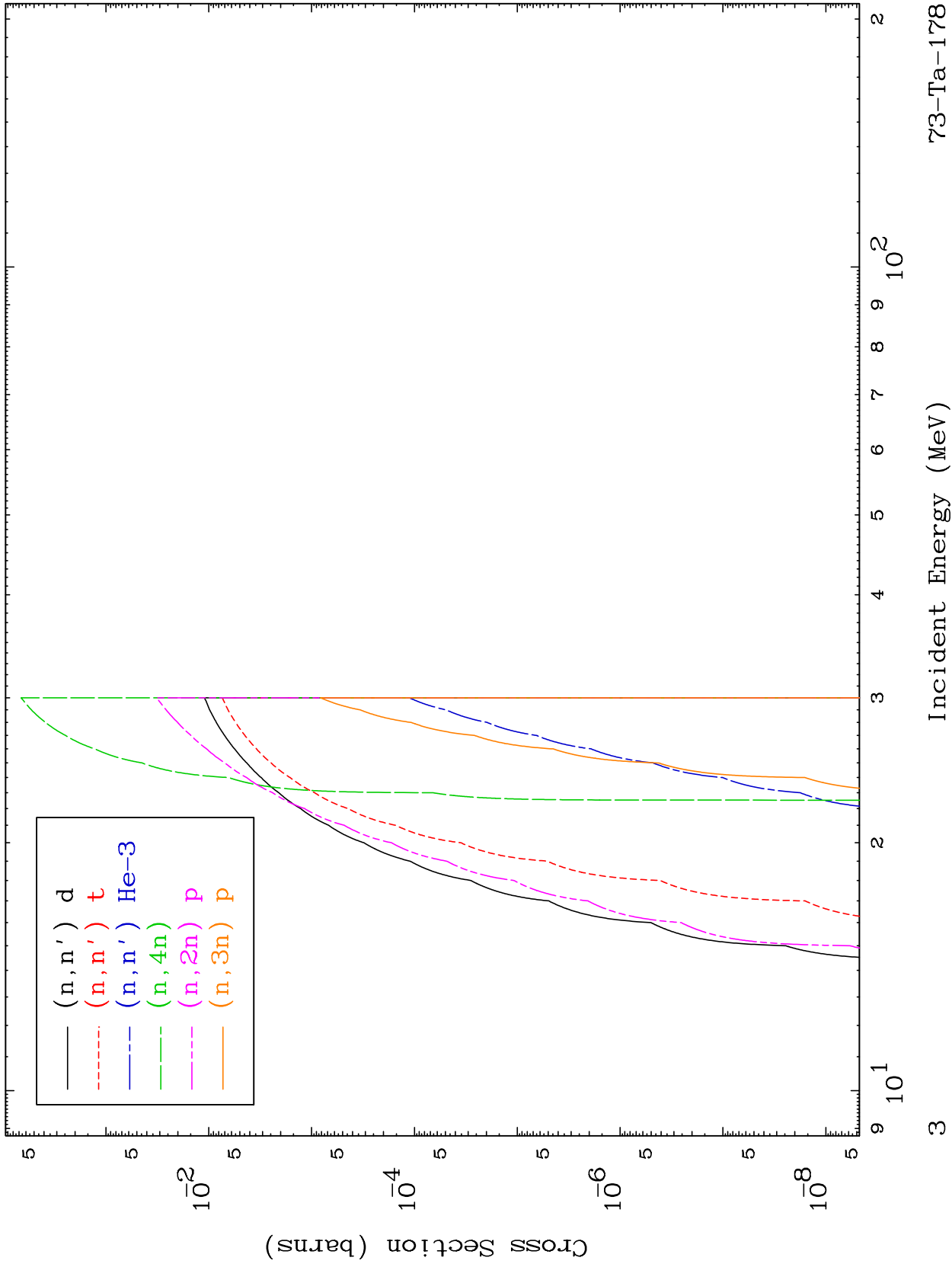
73-Ta-178



MAT 7319

Neutron Production
293 Kelvin Cross Sections

73-Ta-178



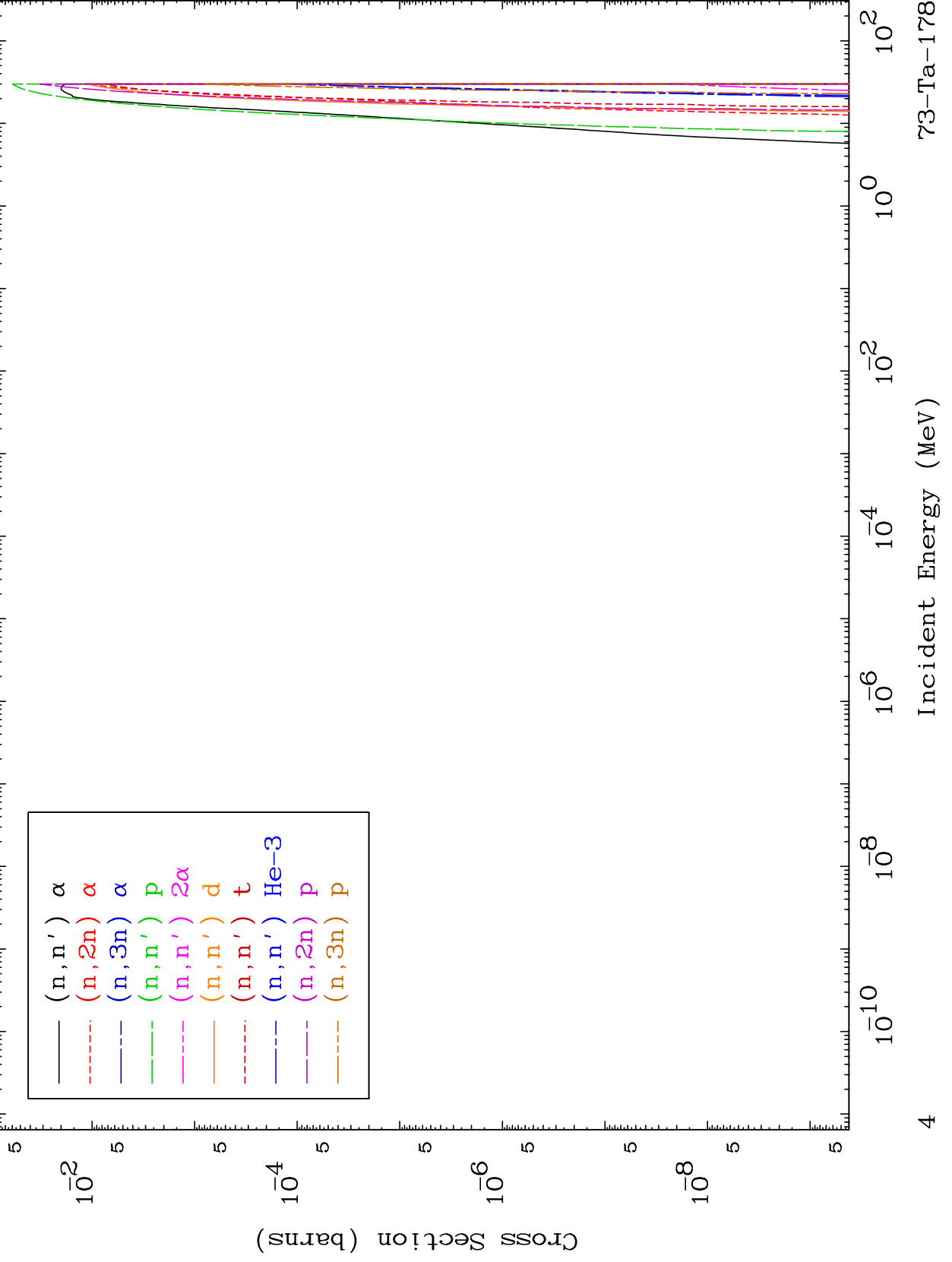
73-Ta-178

Incident Energy (MeV)

MAT 7319

Charged Particle
293 Kelvin Cross Sections

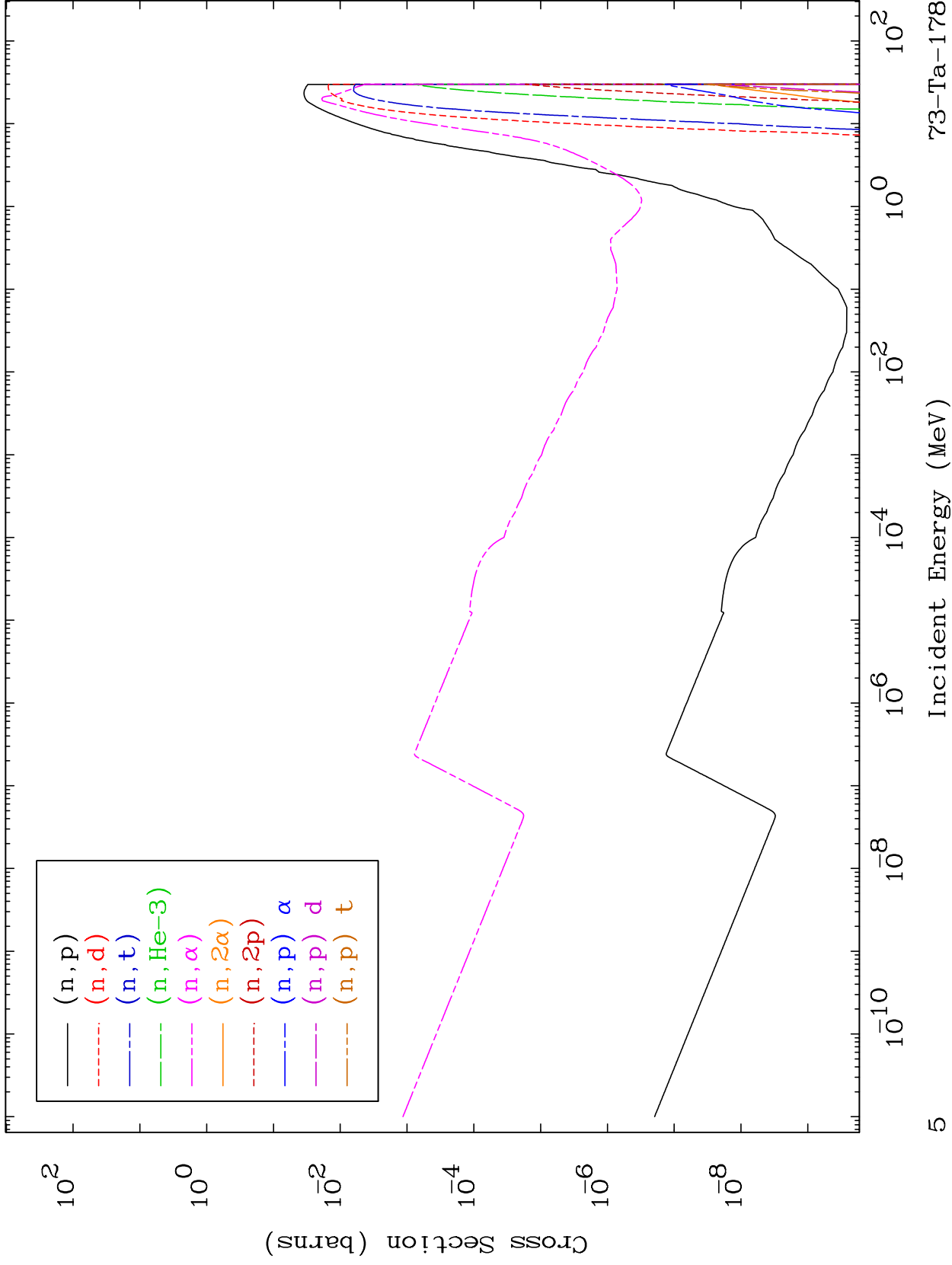
73-Ta-178



MAT 7319

Charged Particle
293 Kelvin Cross Sections

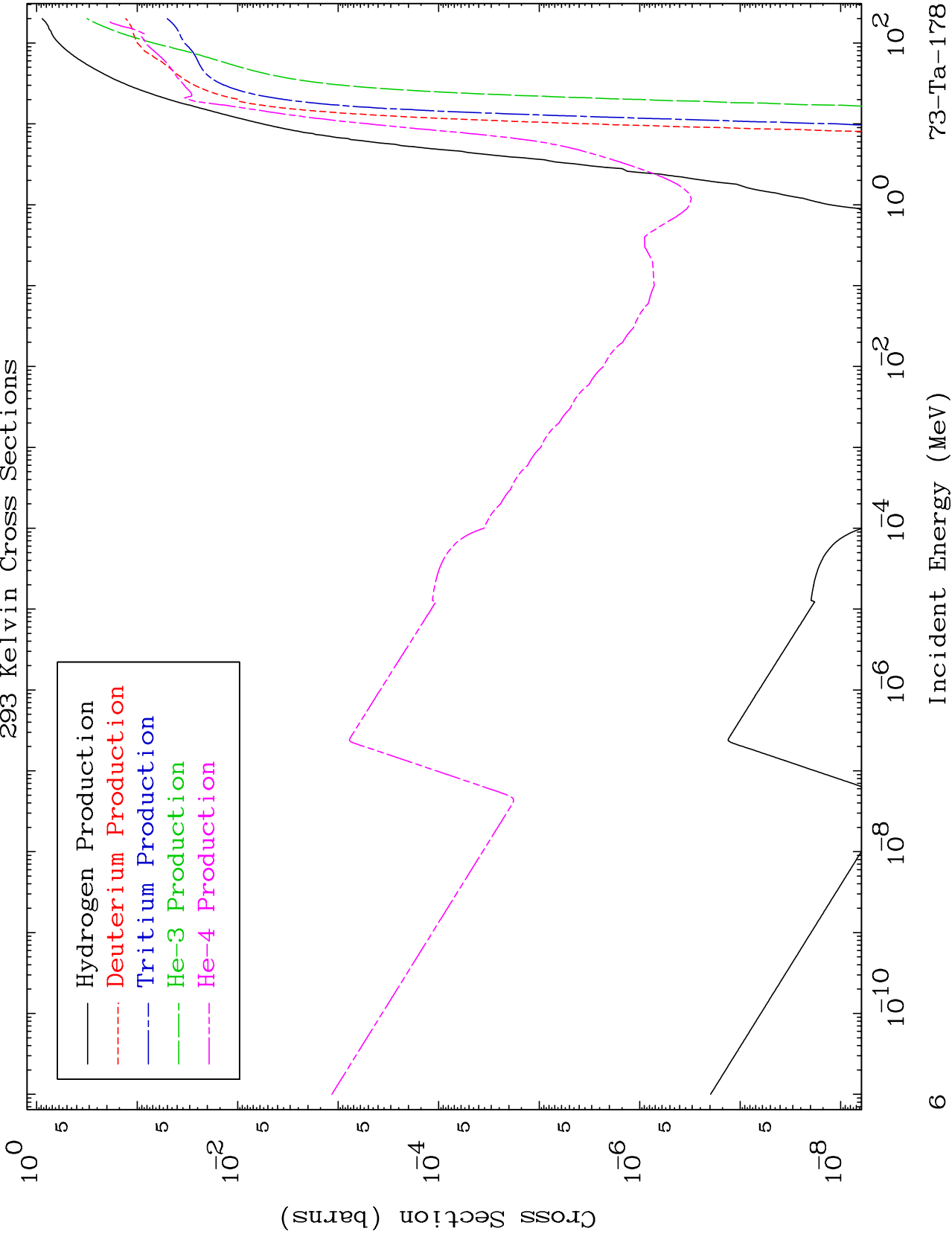
73-Ta-178



MAT 7319

Particle Production
293 Kelvin Cross Sections

73-Ta-178

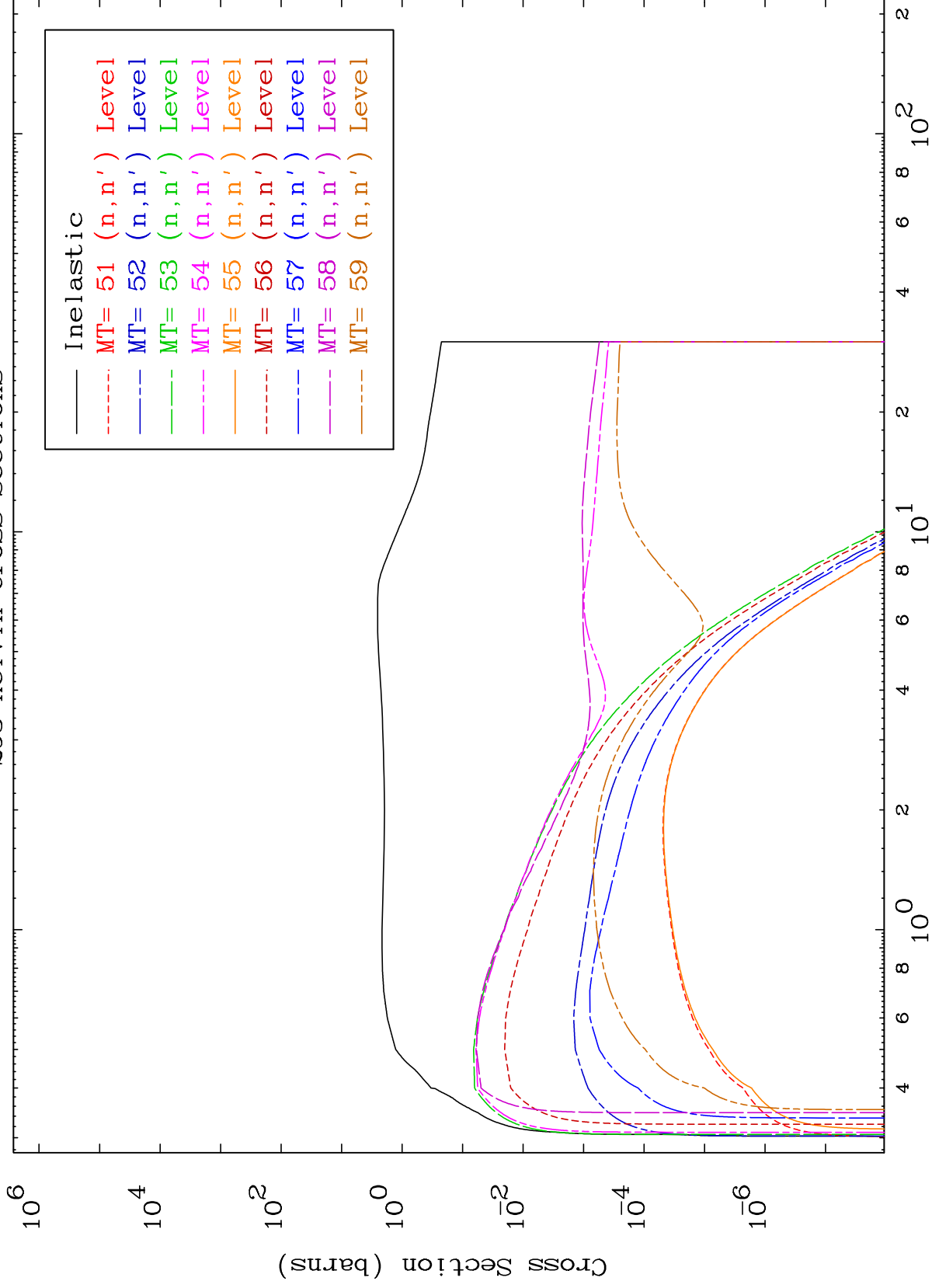


MAT 7319

(n,n') Level

73-Ta-178

293 Kelvin Cross Sections



7

Incident Energy (MeV)

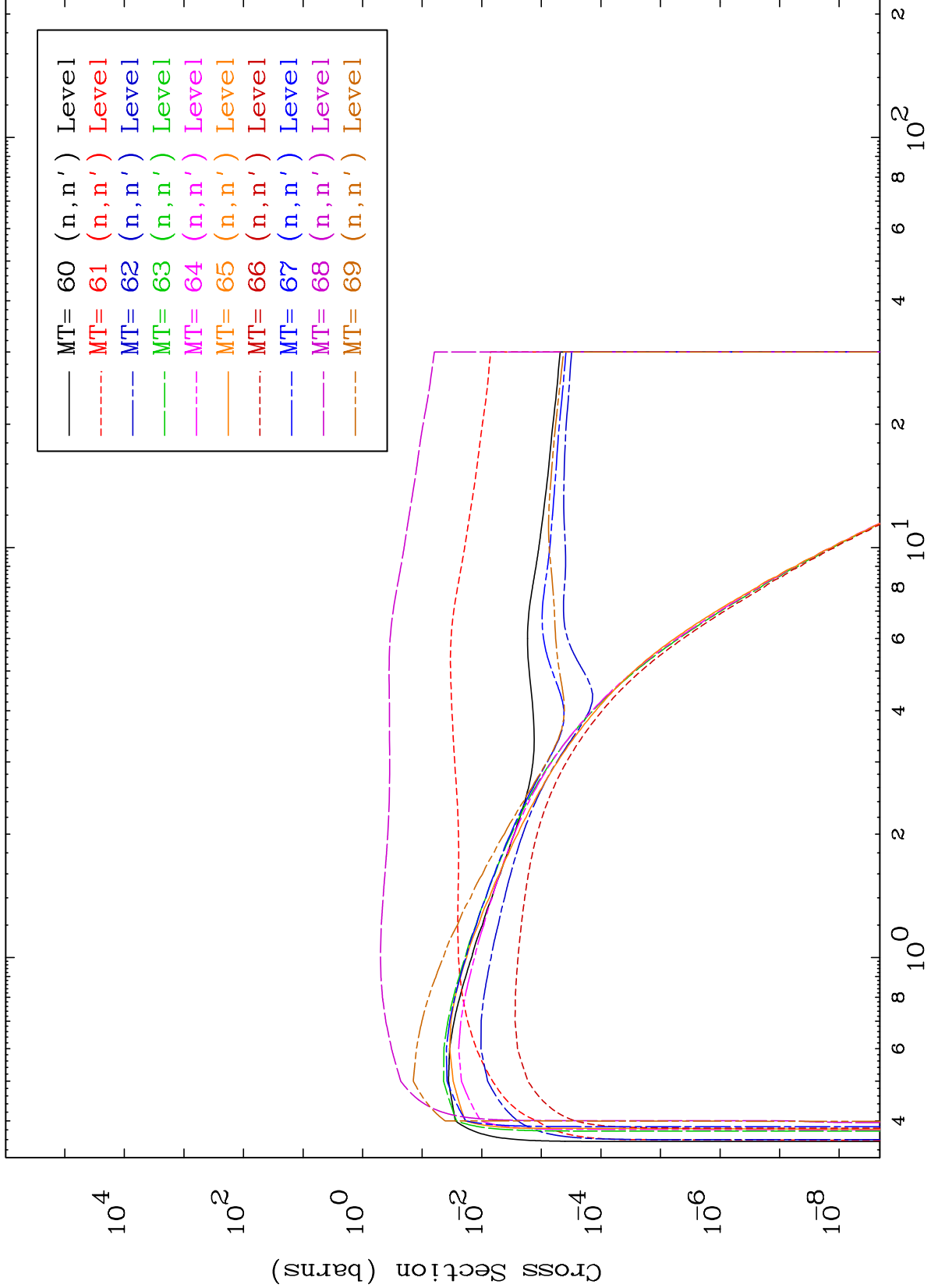
73-Ta-178

MAT 7319

(n,n') Level

293 Kelvin Cross Sections

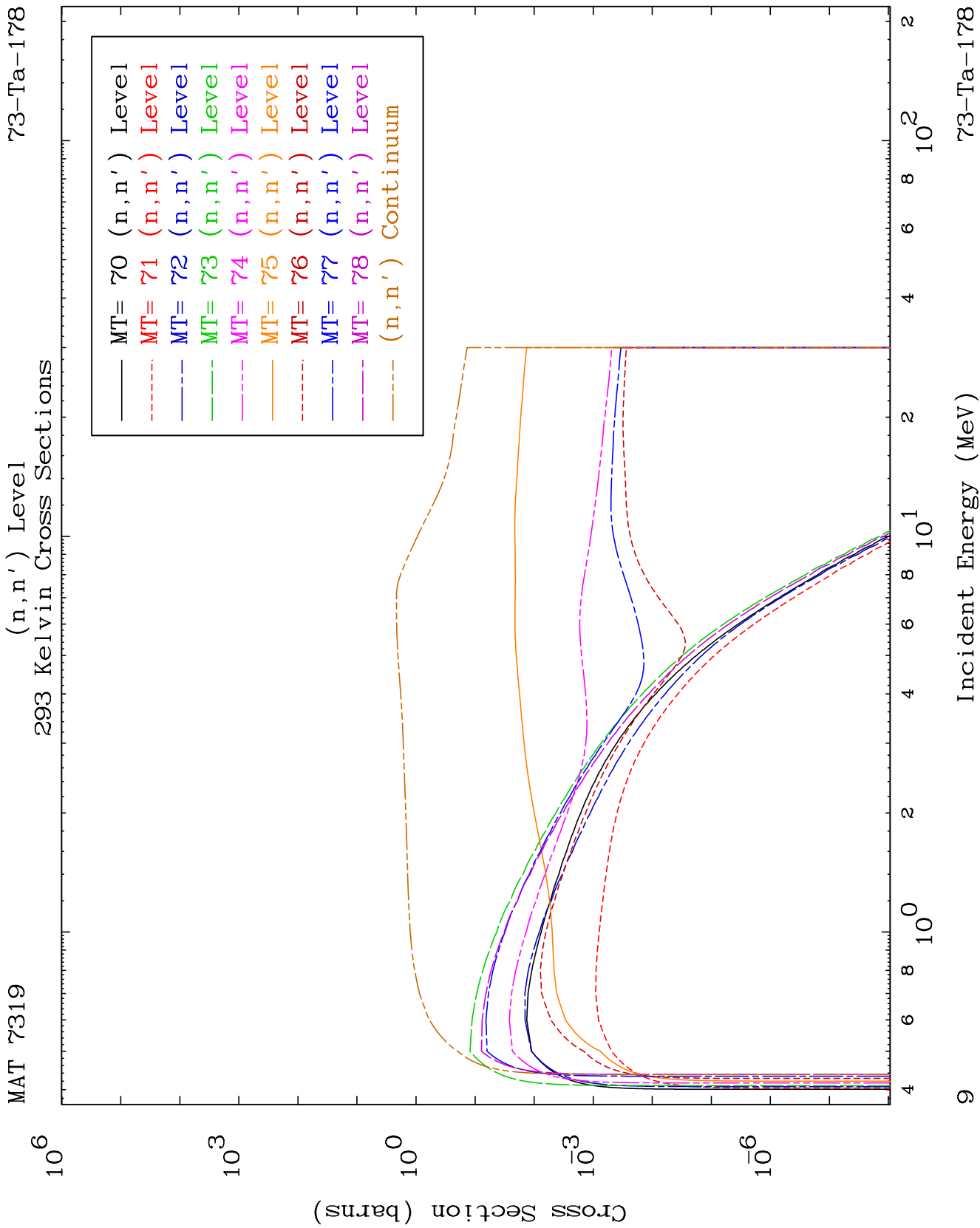
73-Ta-178



8

Incident Energy (MeV)

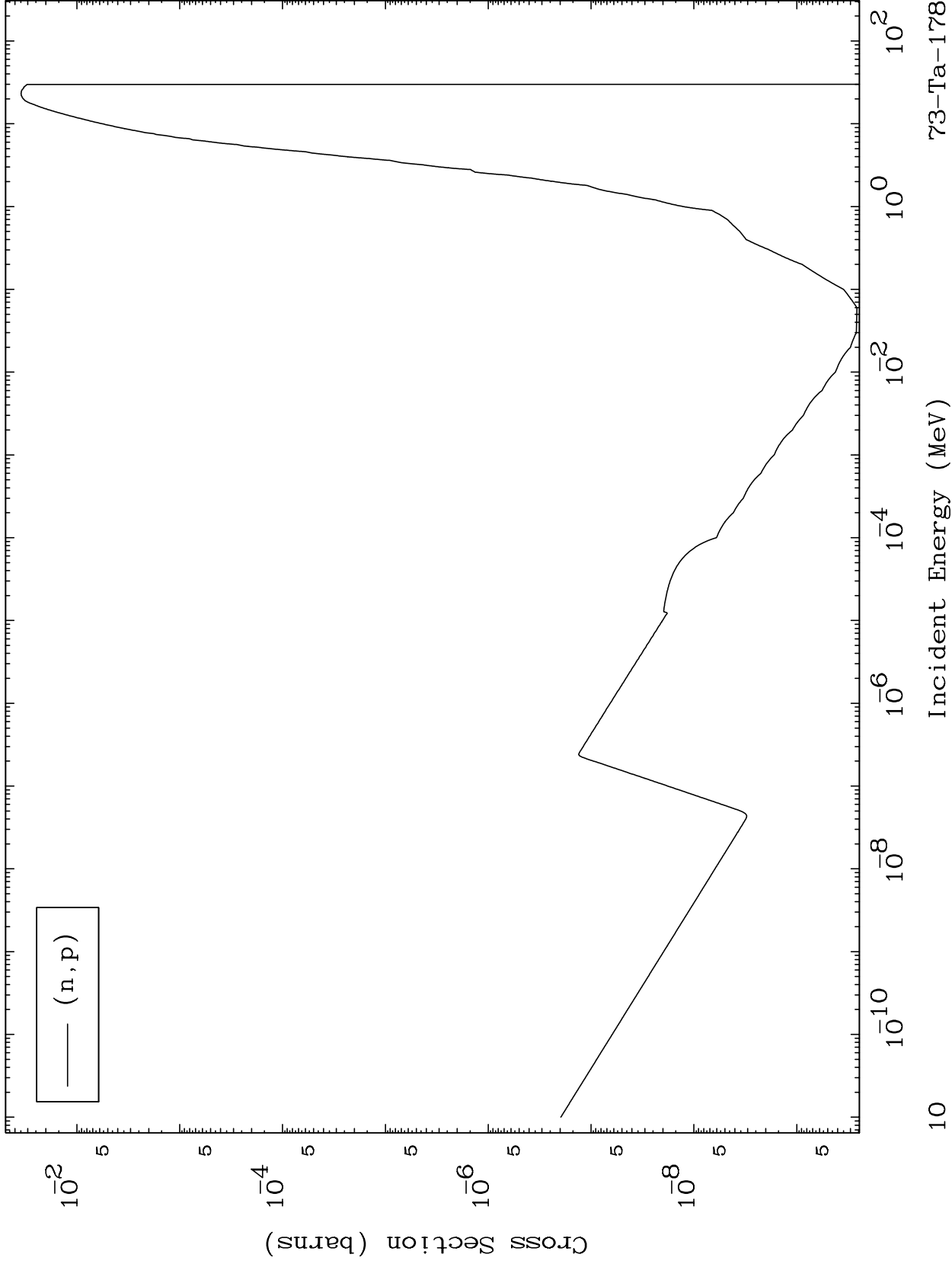
73-Ta-178



MAT 7319

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-178



10

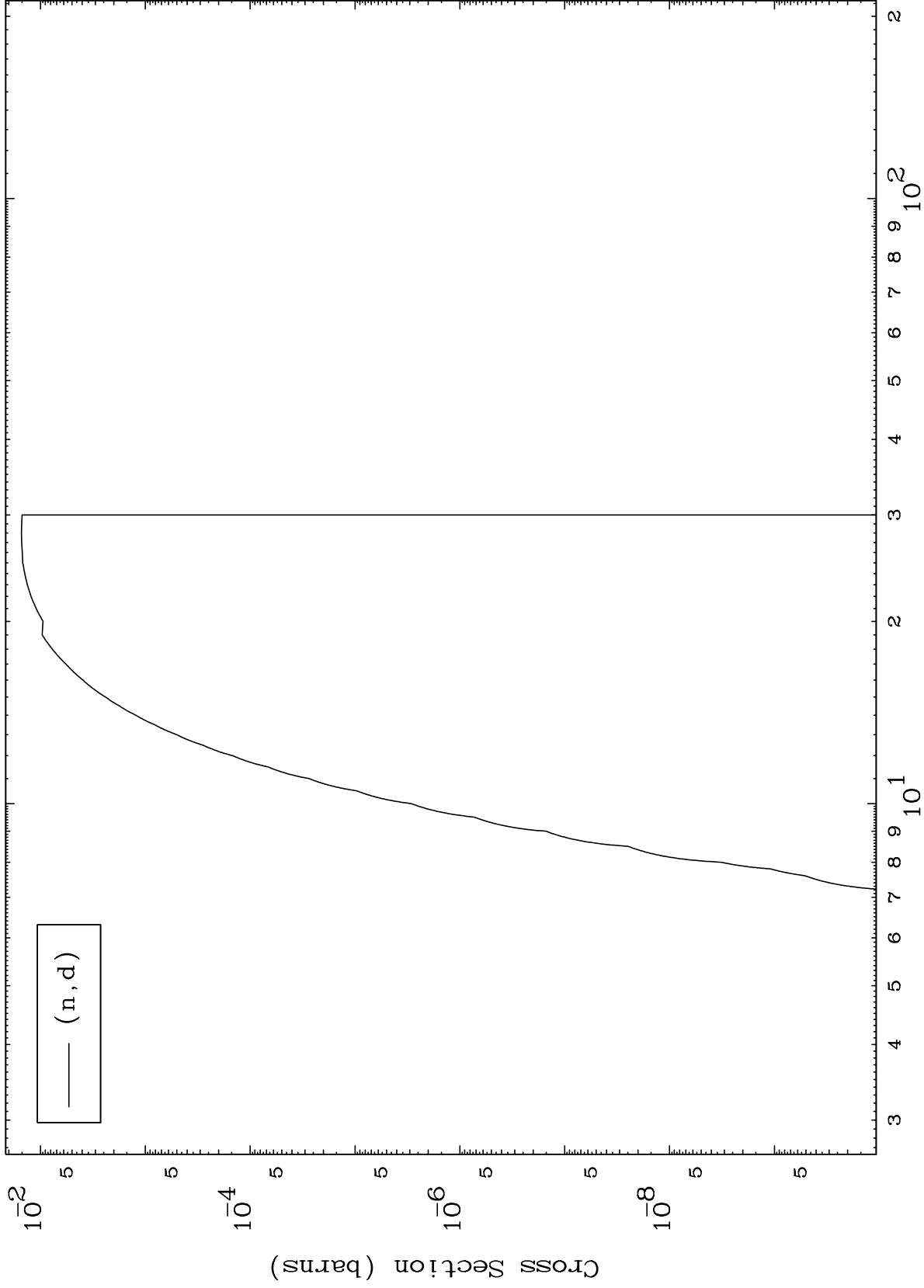
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-178



11

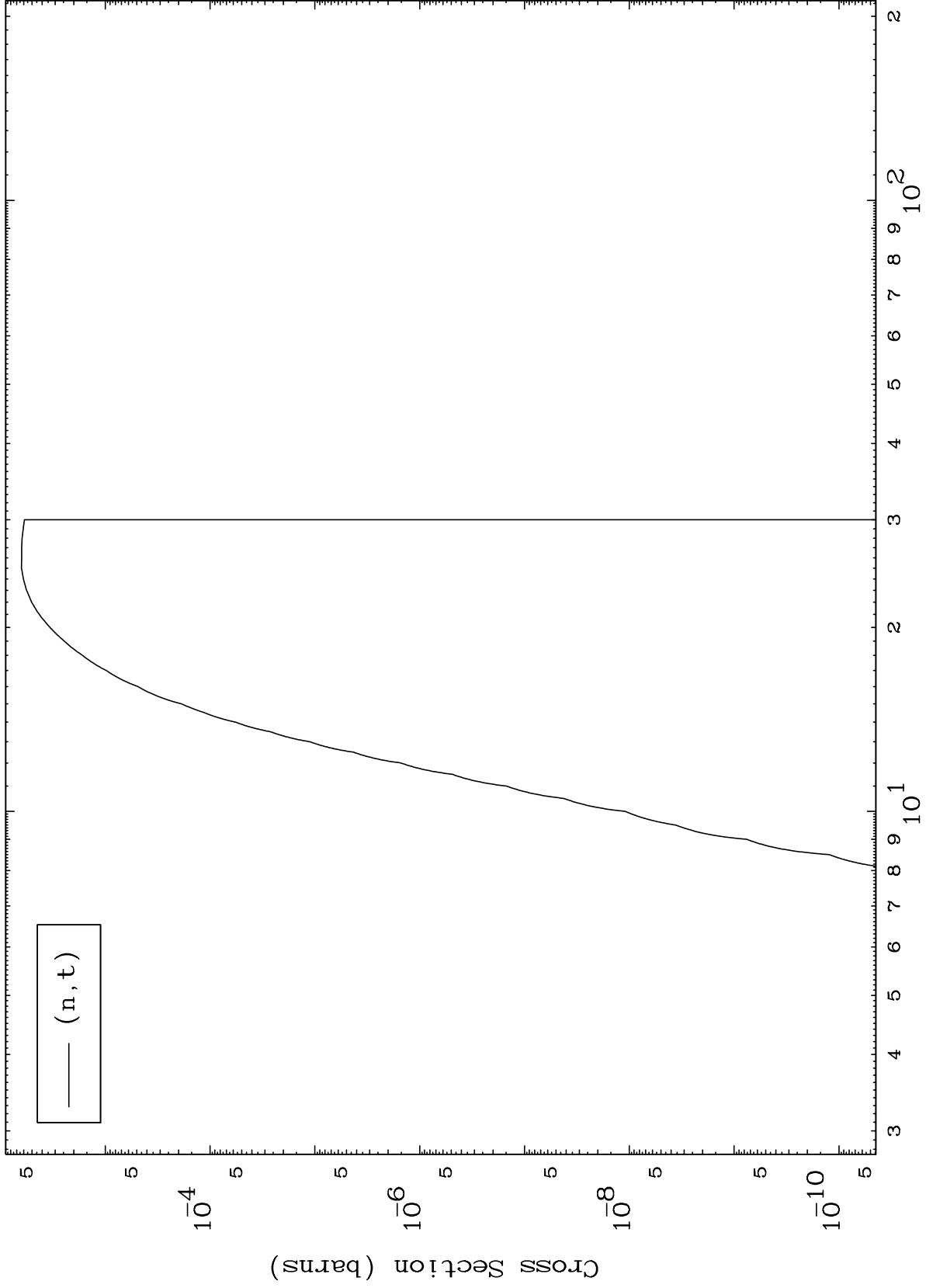
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-178



12

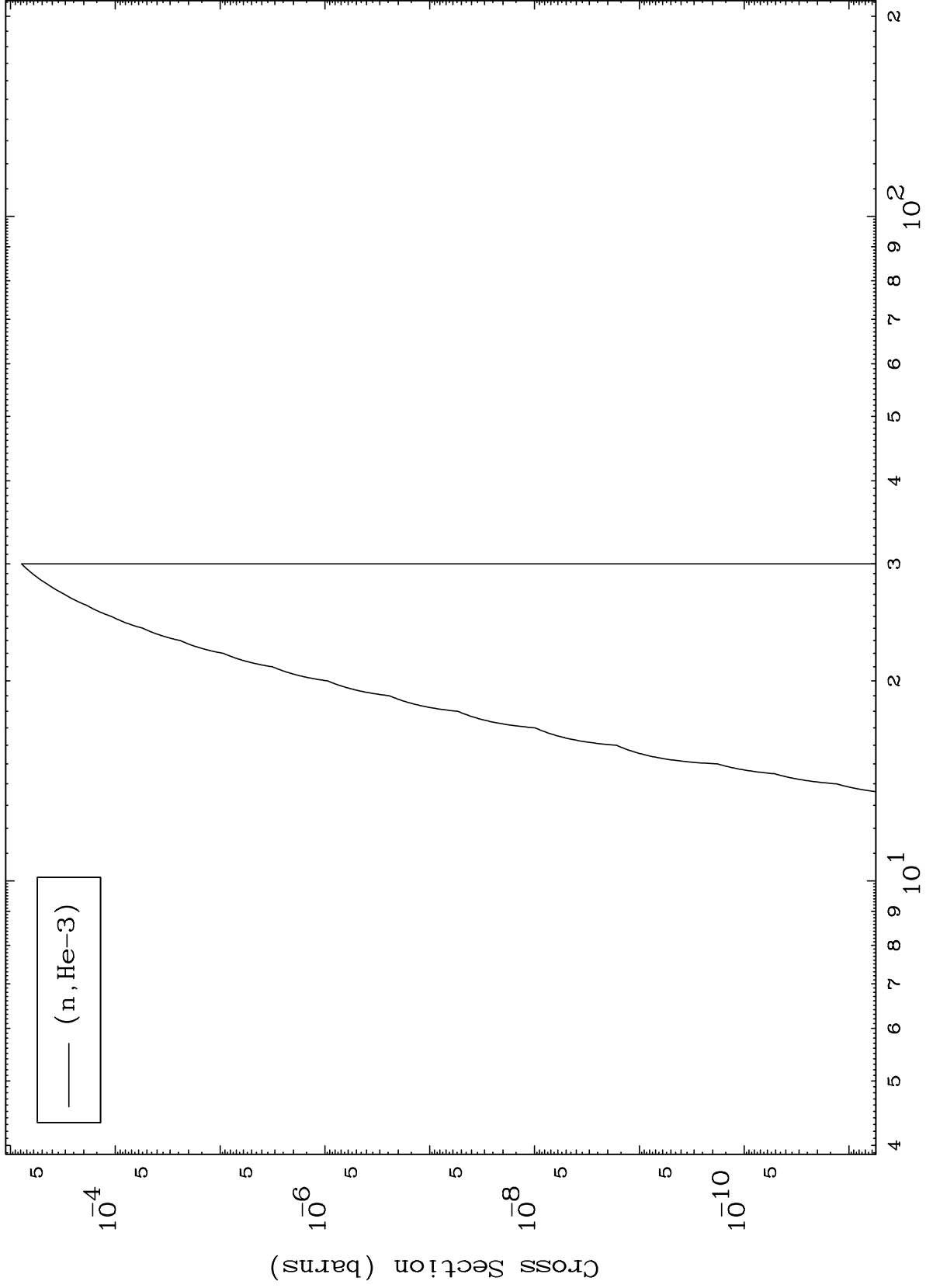
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-178



13

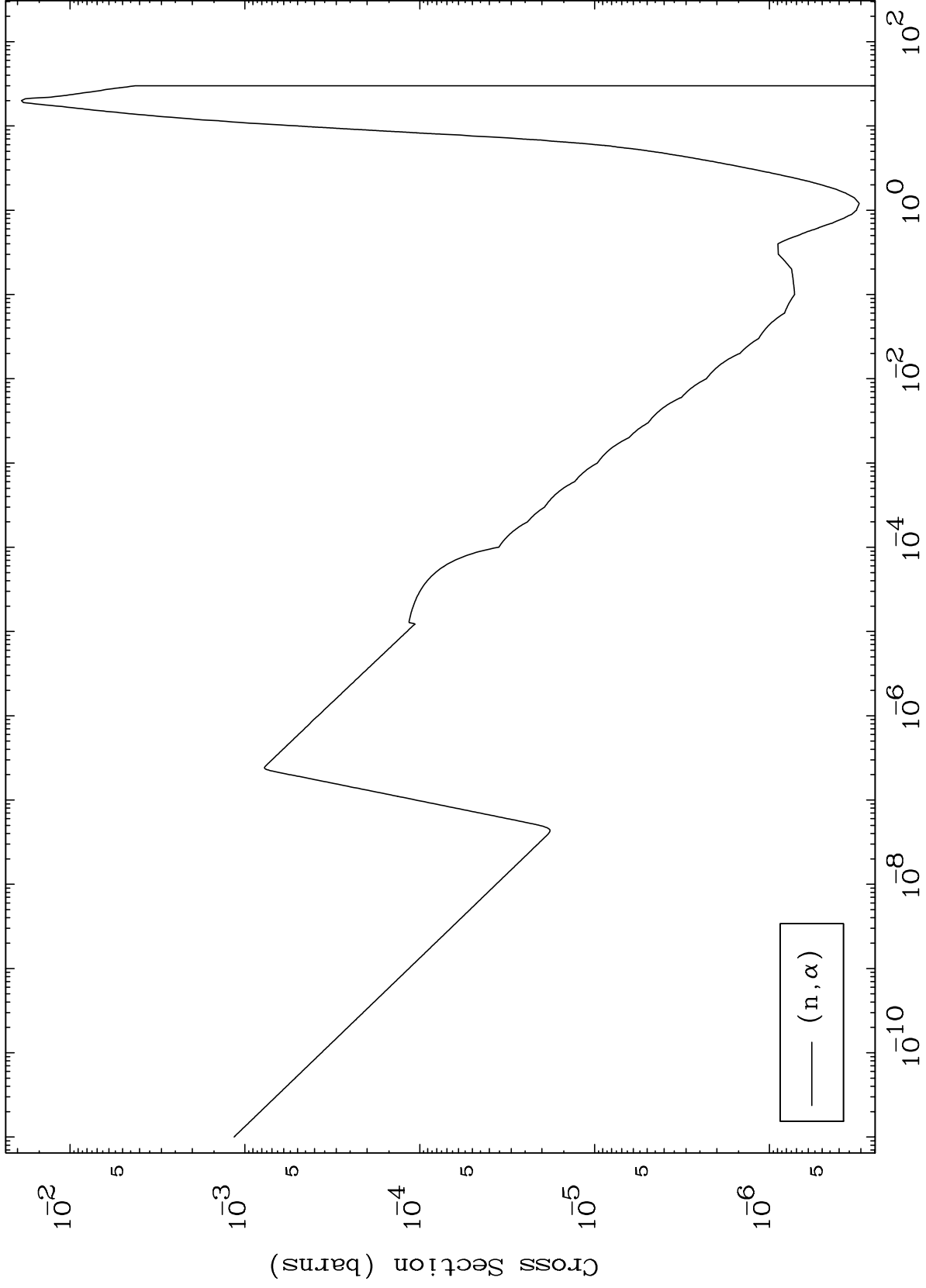
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,α) Levels
293 Kelvin Cross Sections

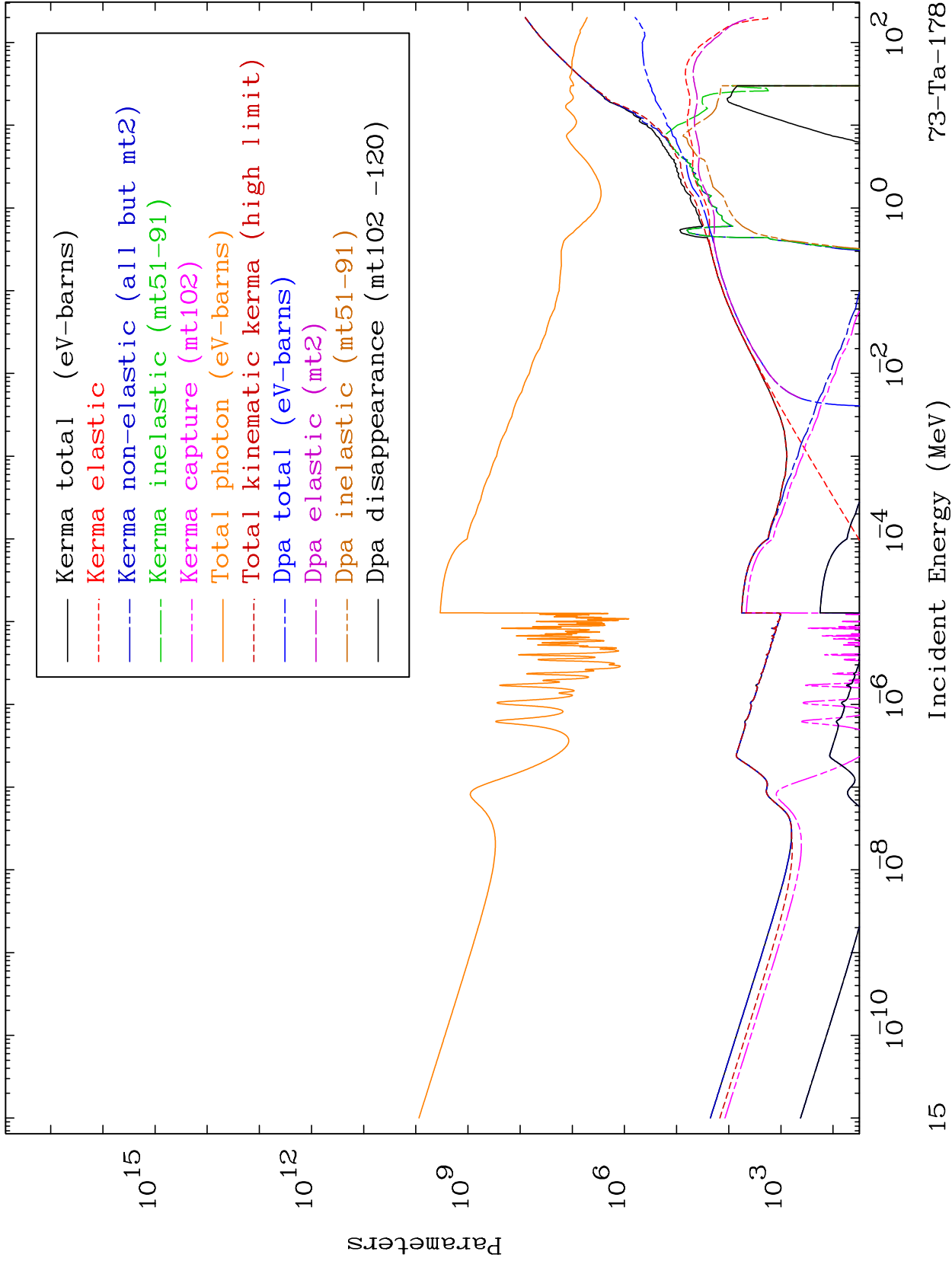
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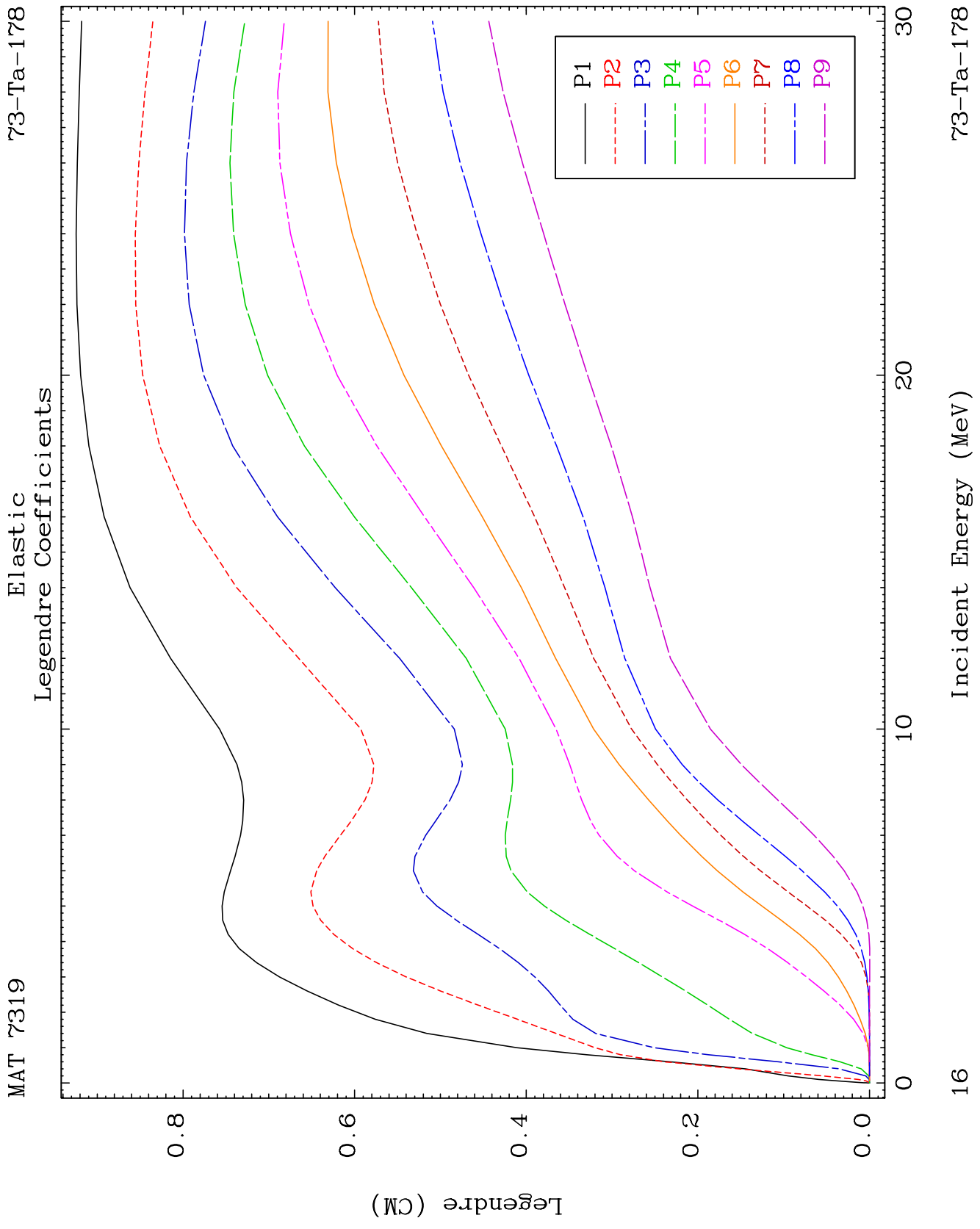


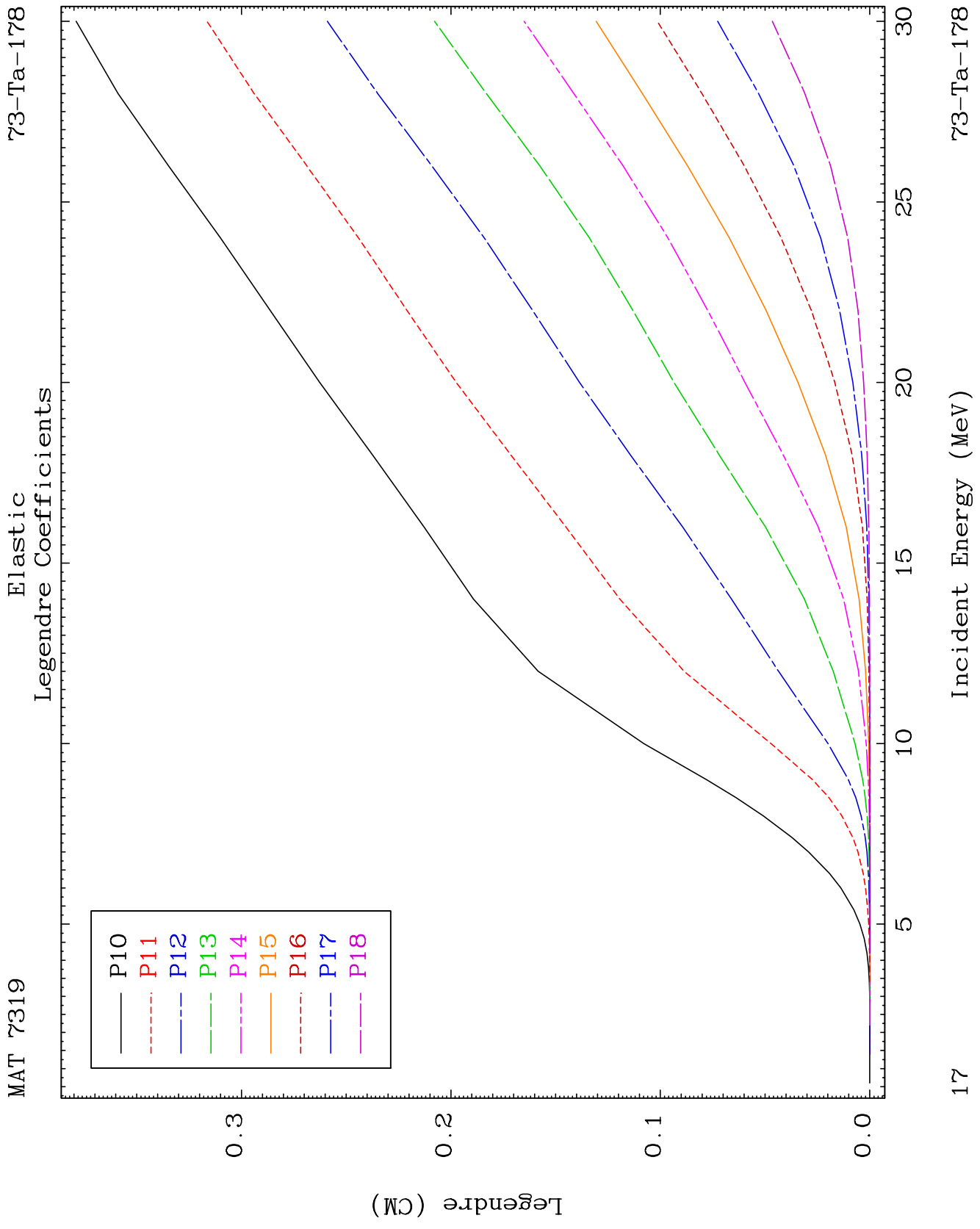
14

Incident Energy (MeV)

73-Ta-178



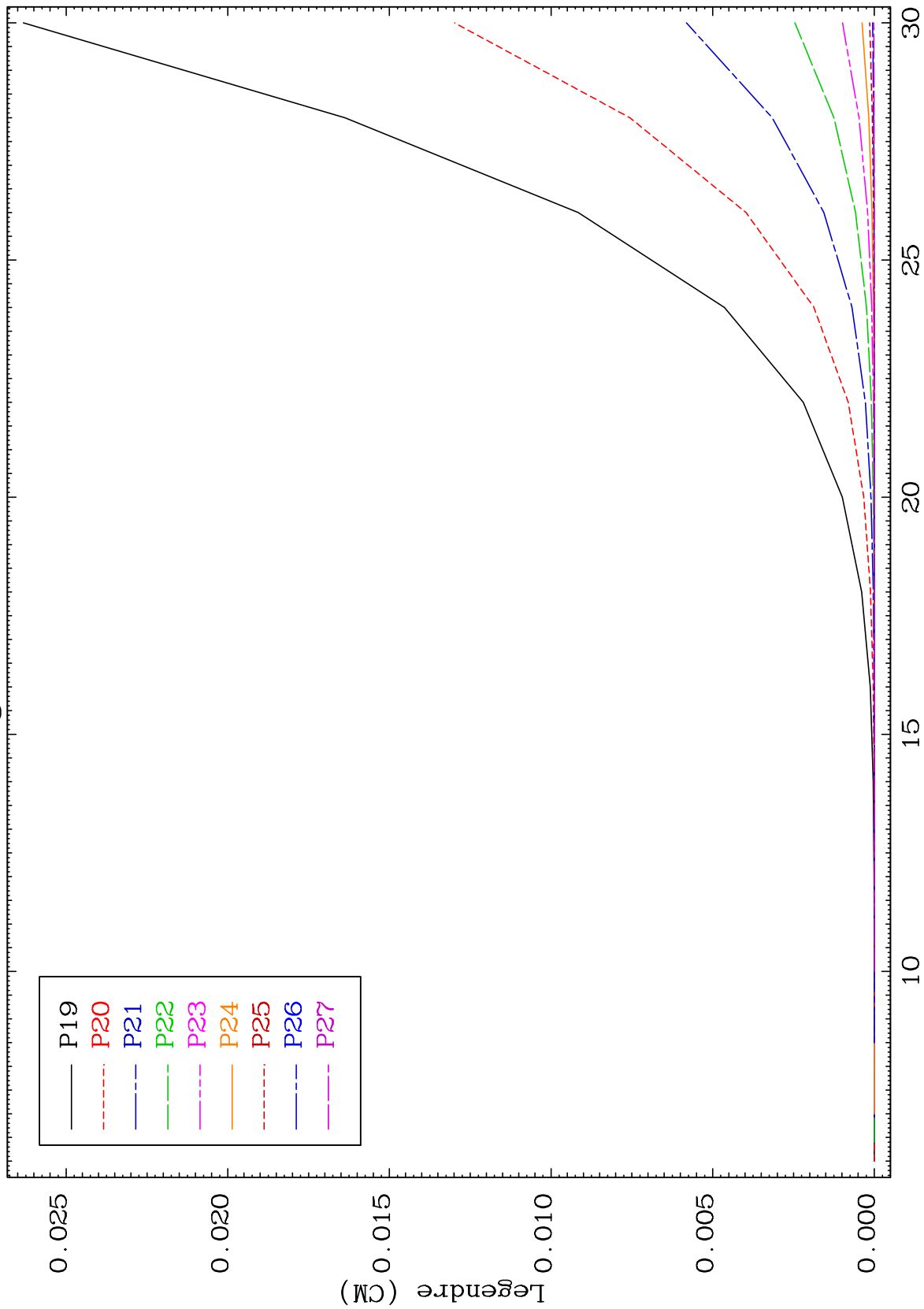




MAT 7319

Elastic
Legendre Coefficients

73-Ta-178



18

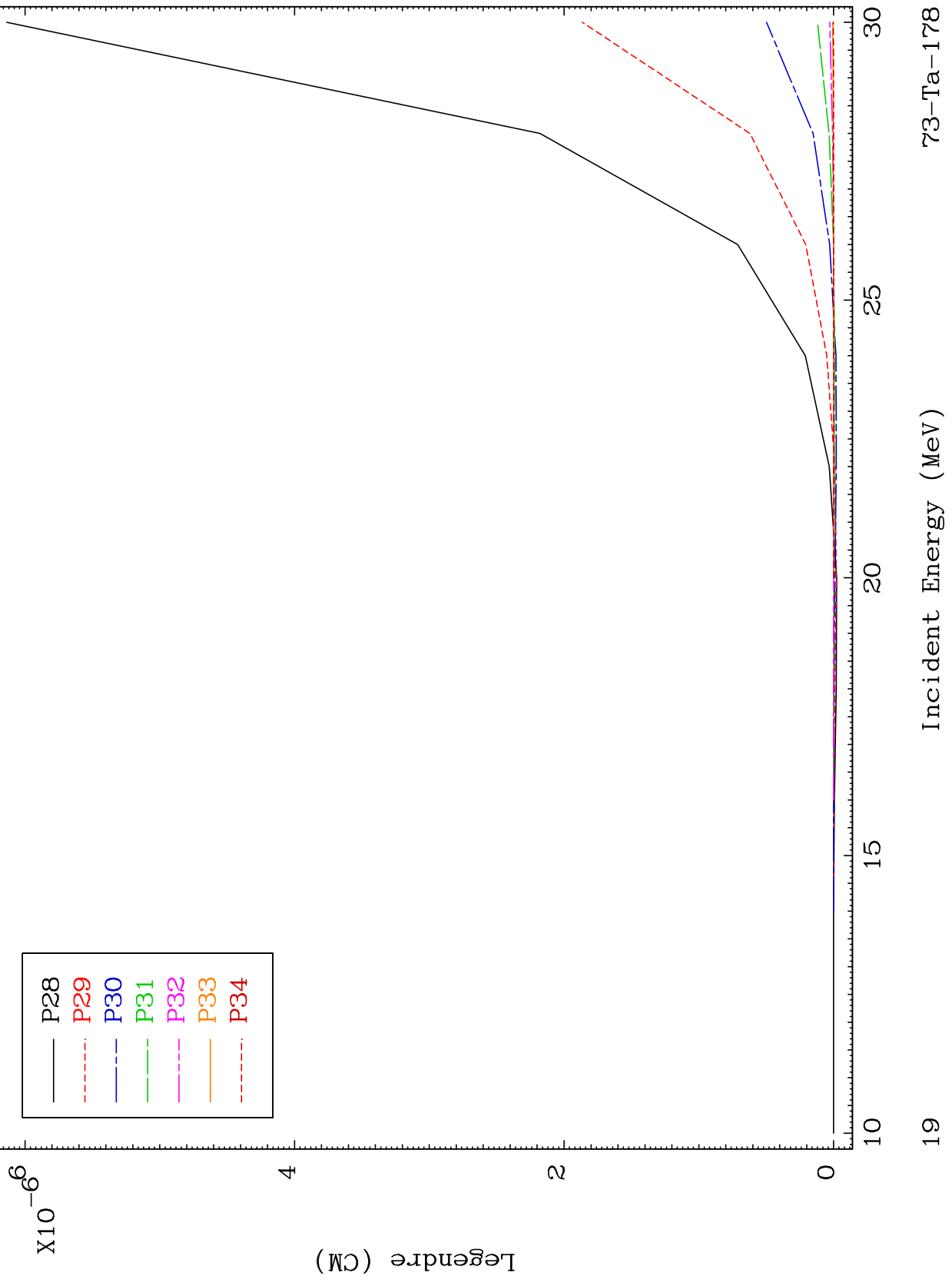
Incident Energy (MeV)

73-Ta-178

MAT 7319

Elastic Legendre Coefficients

⁷³Ta-178



19

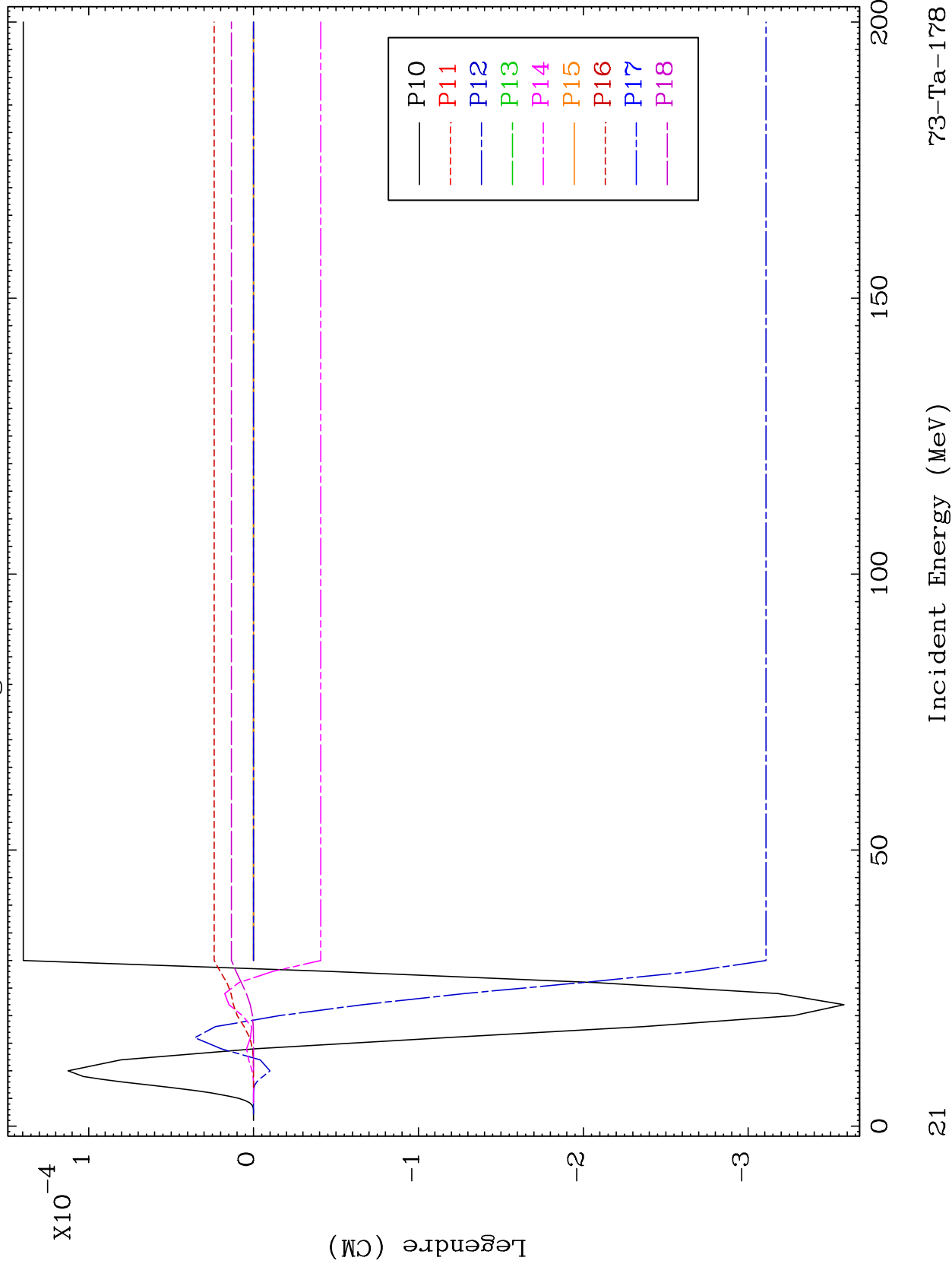
Incident Energy (MeV)

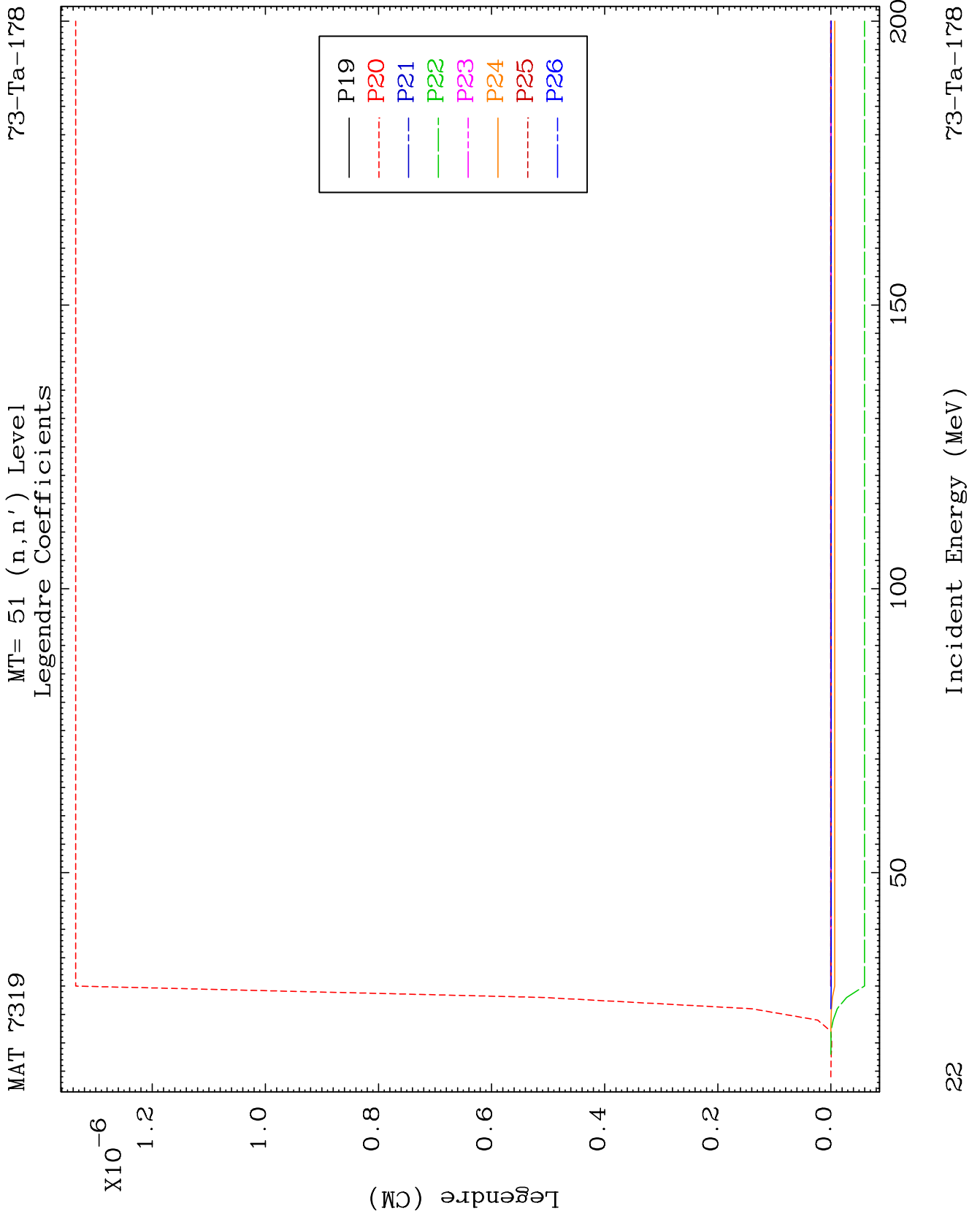
⁷³Ta-178

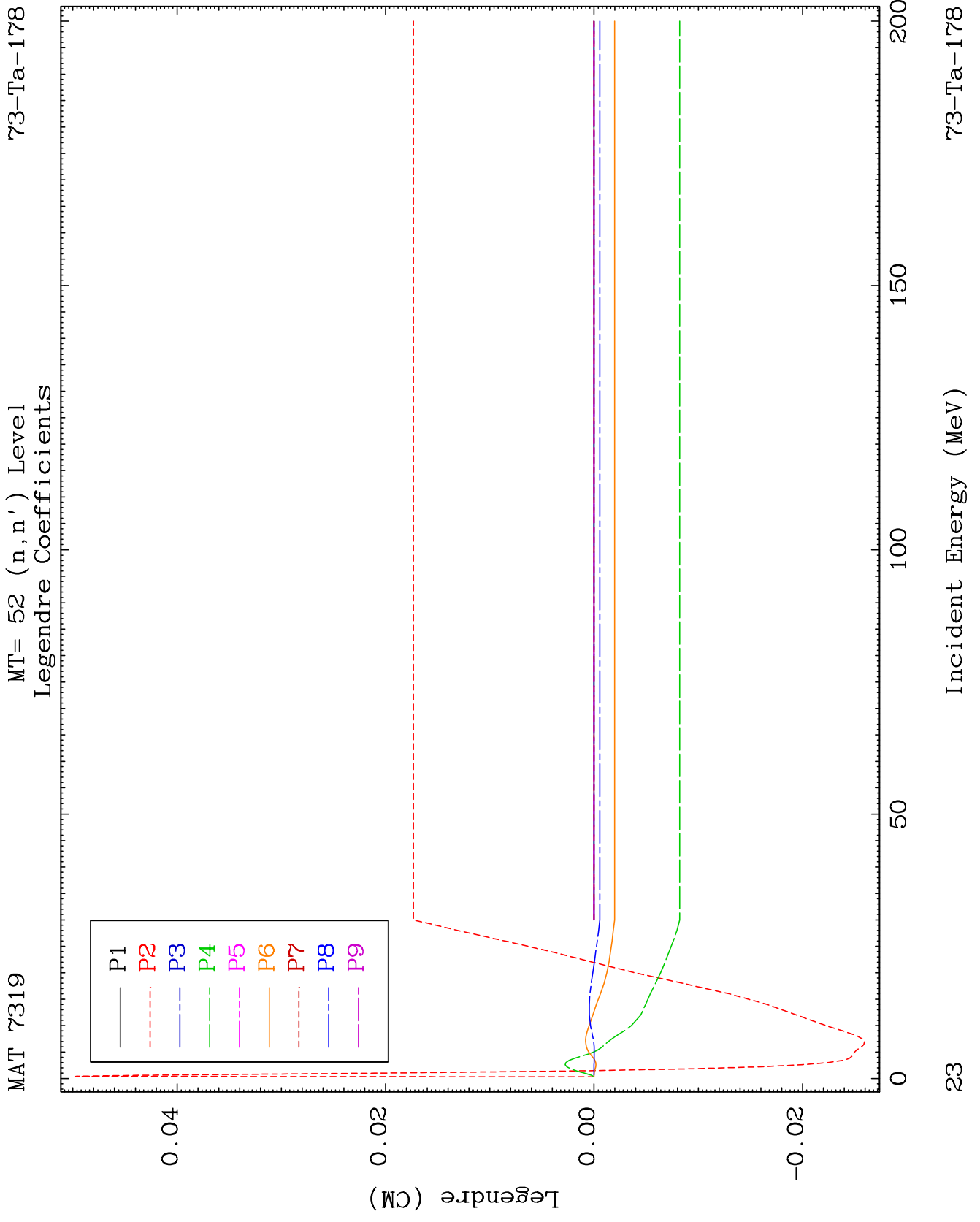
MAT 7319

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

73-Ta-178



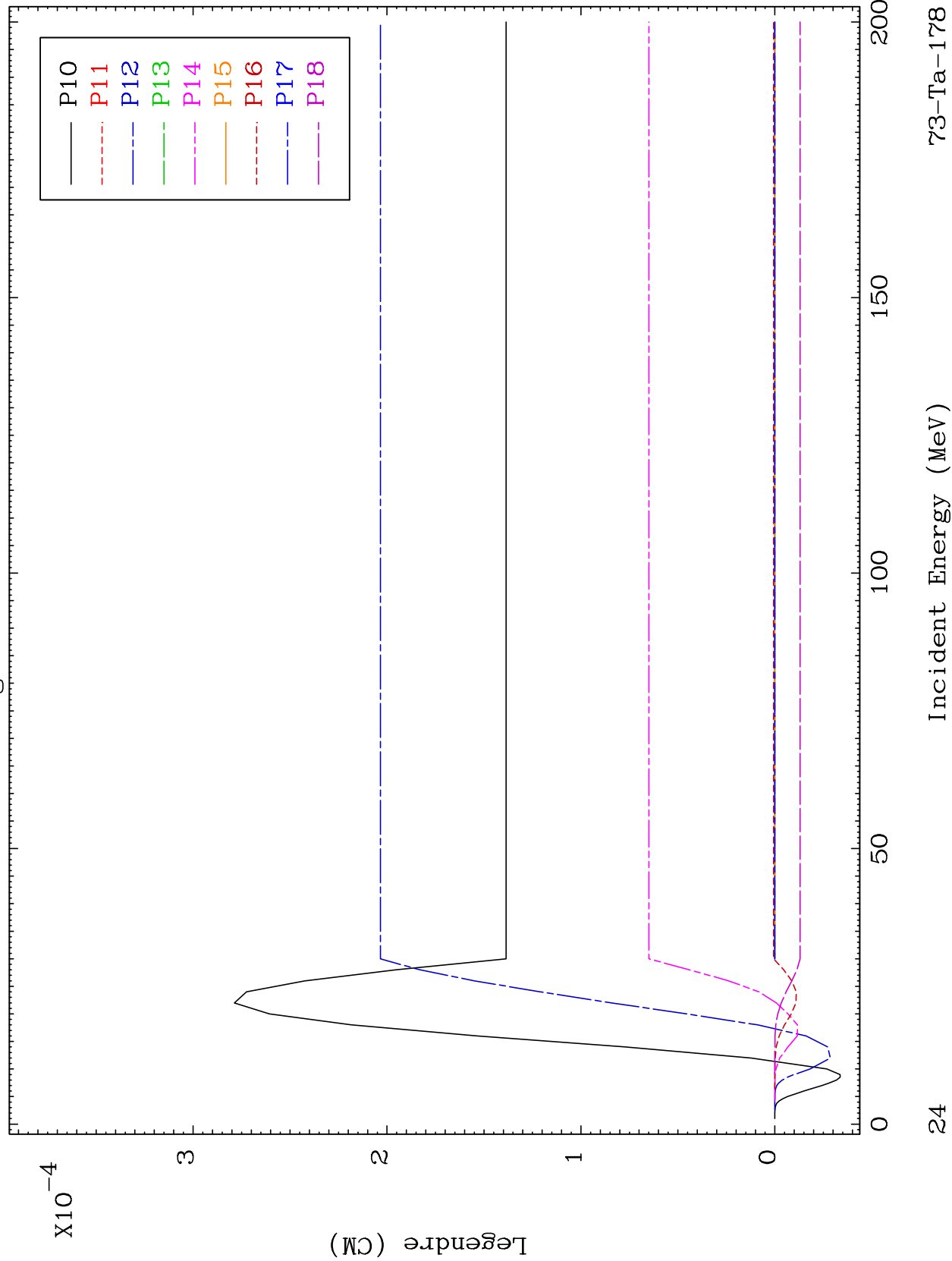




MAT 7319

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

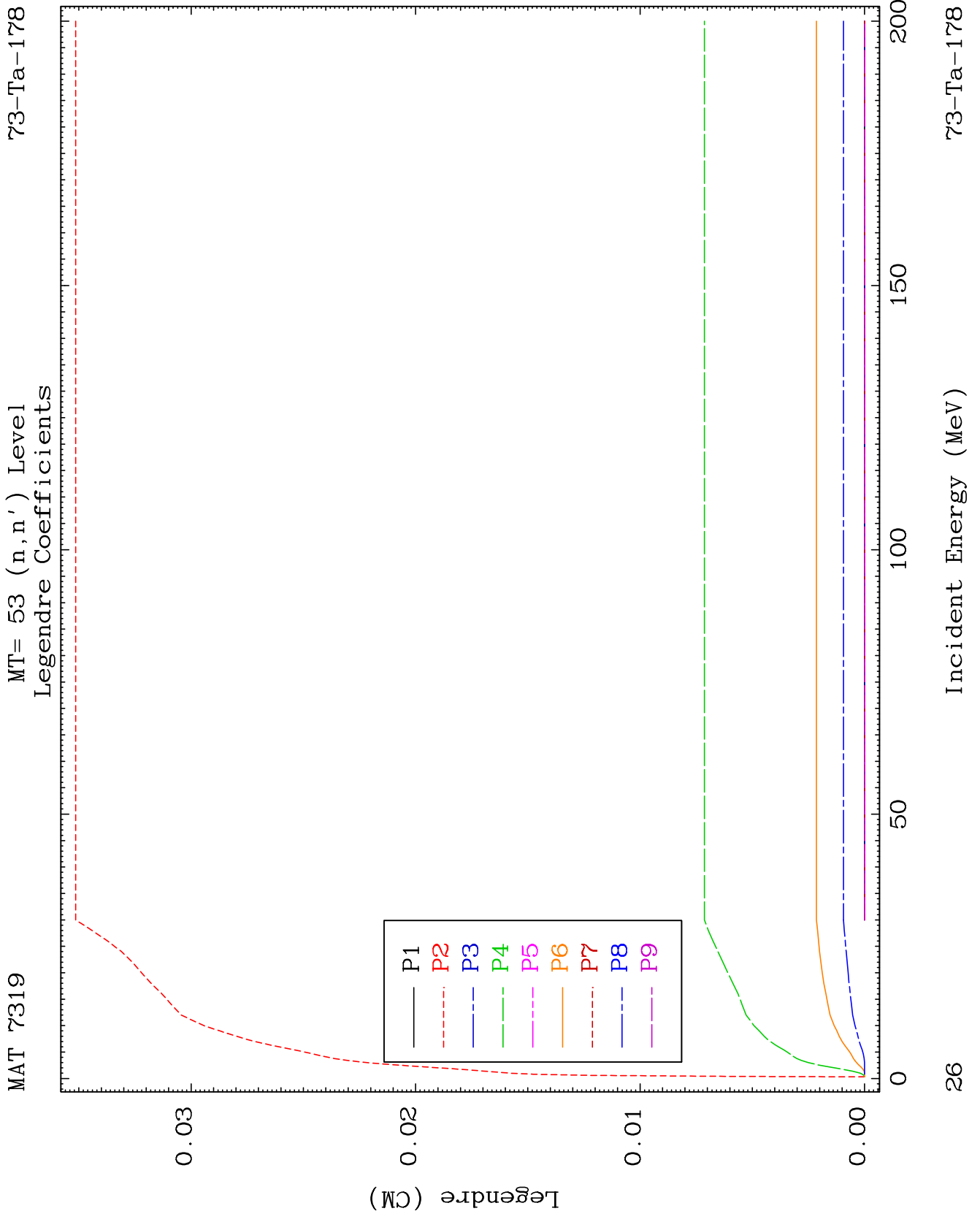
73-Ta-178



24

Incident Energy (MeV)

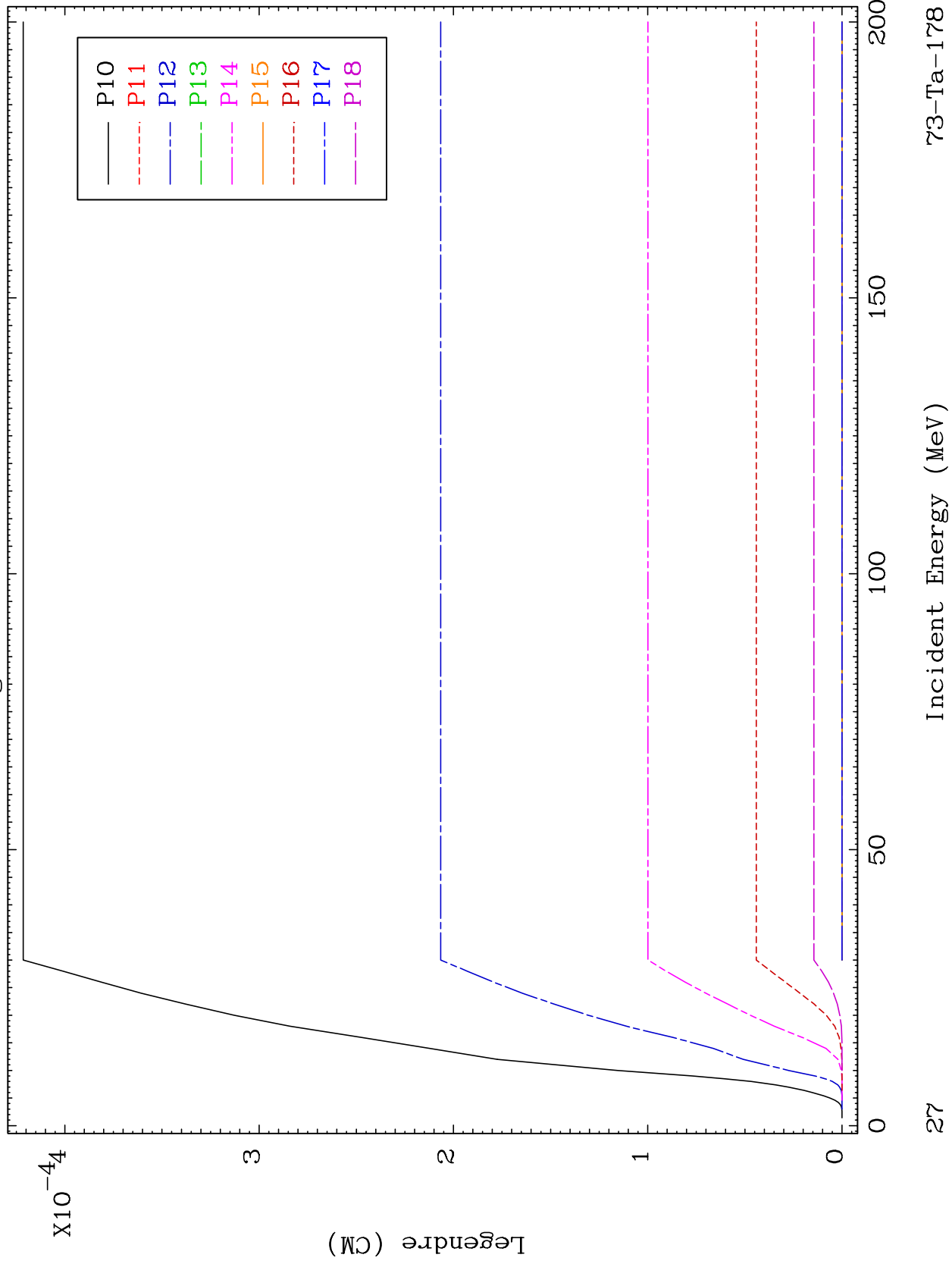
73-Ta-178



MAT 7319

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

73-Ta-178



27

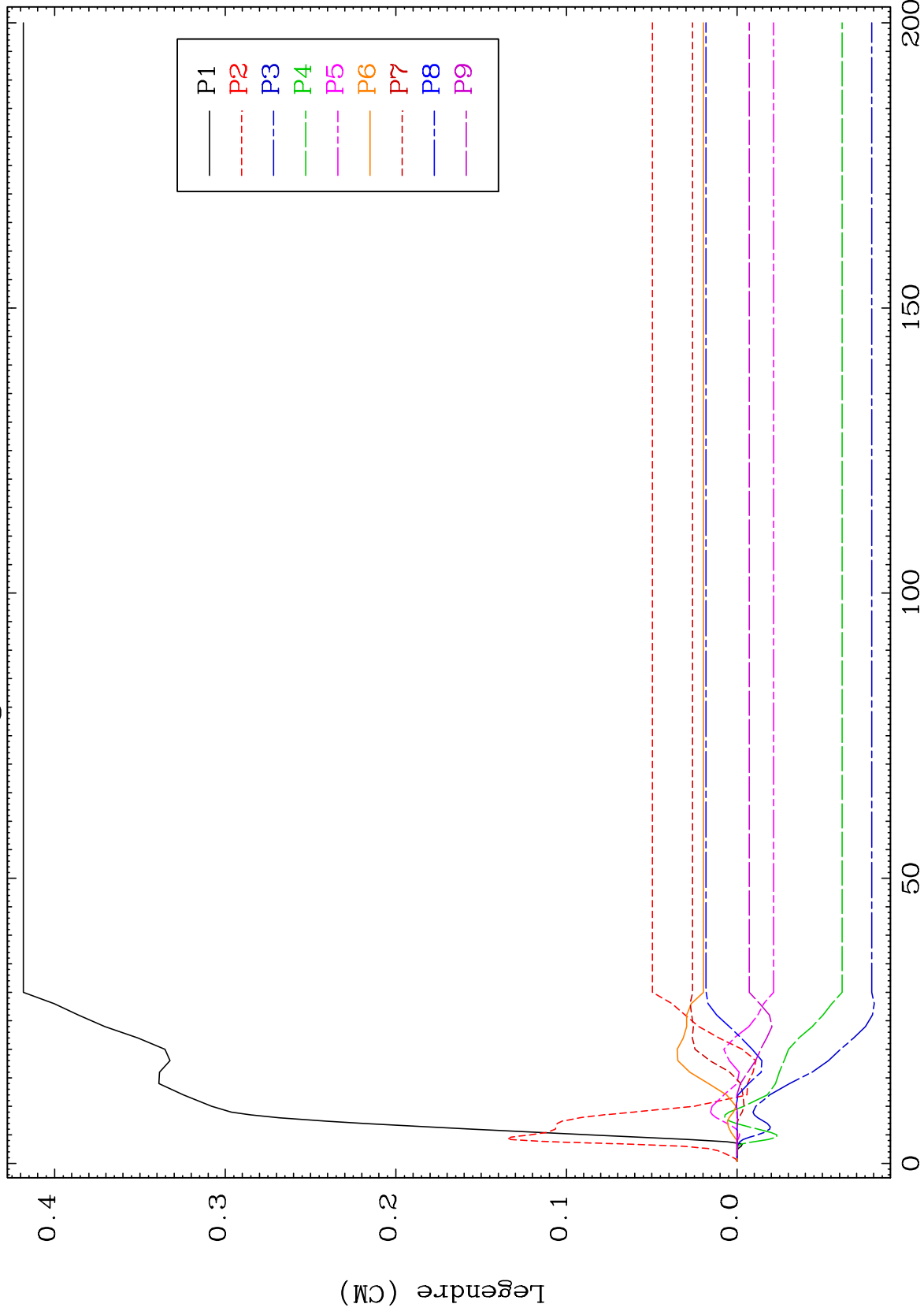
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



29

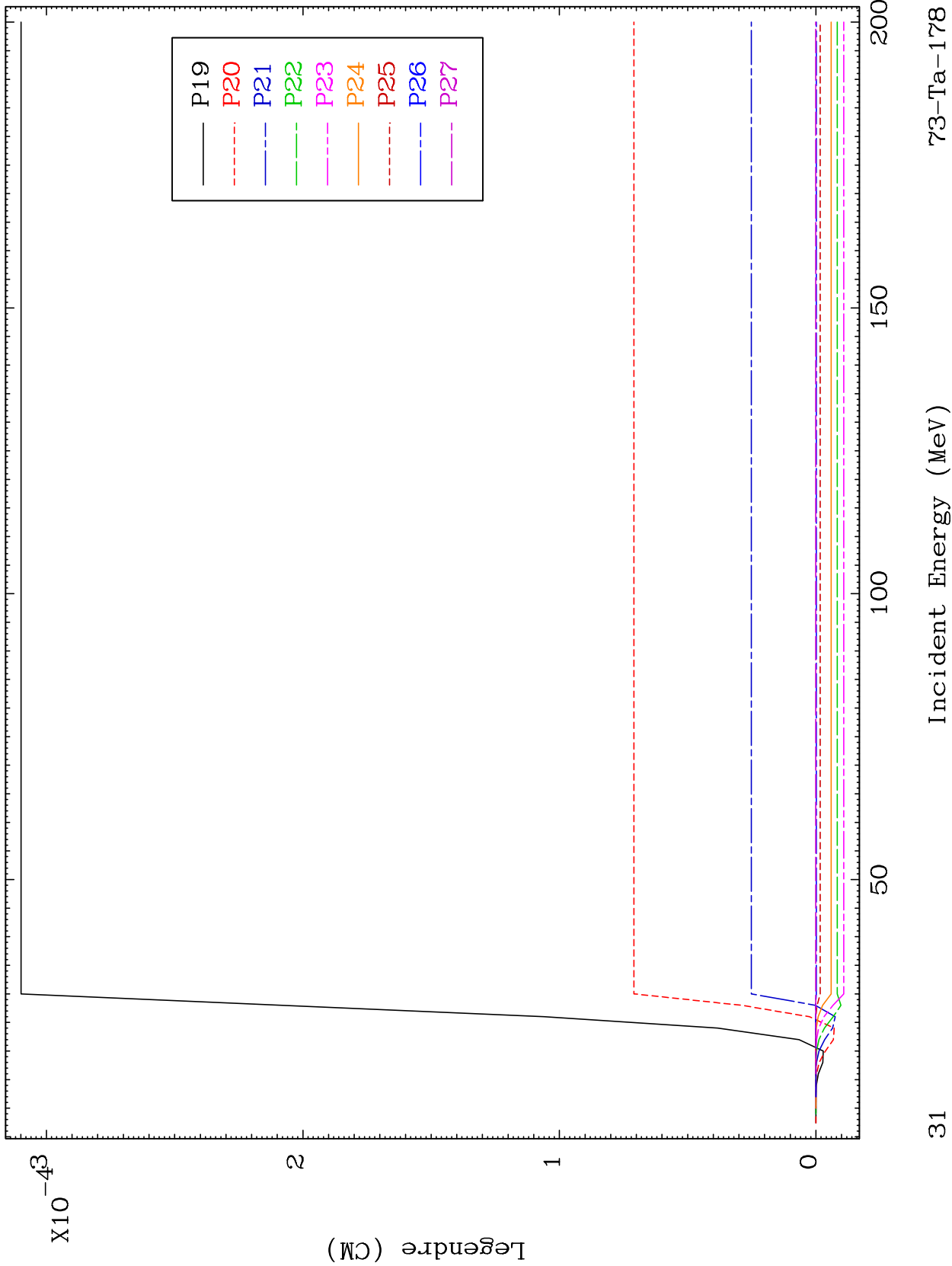
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

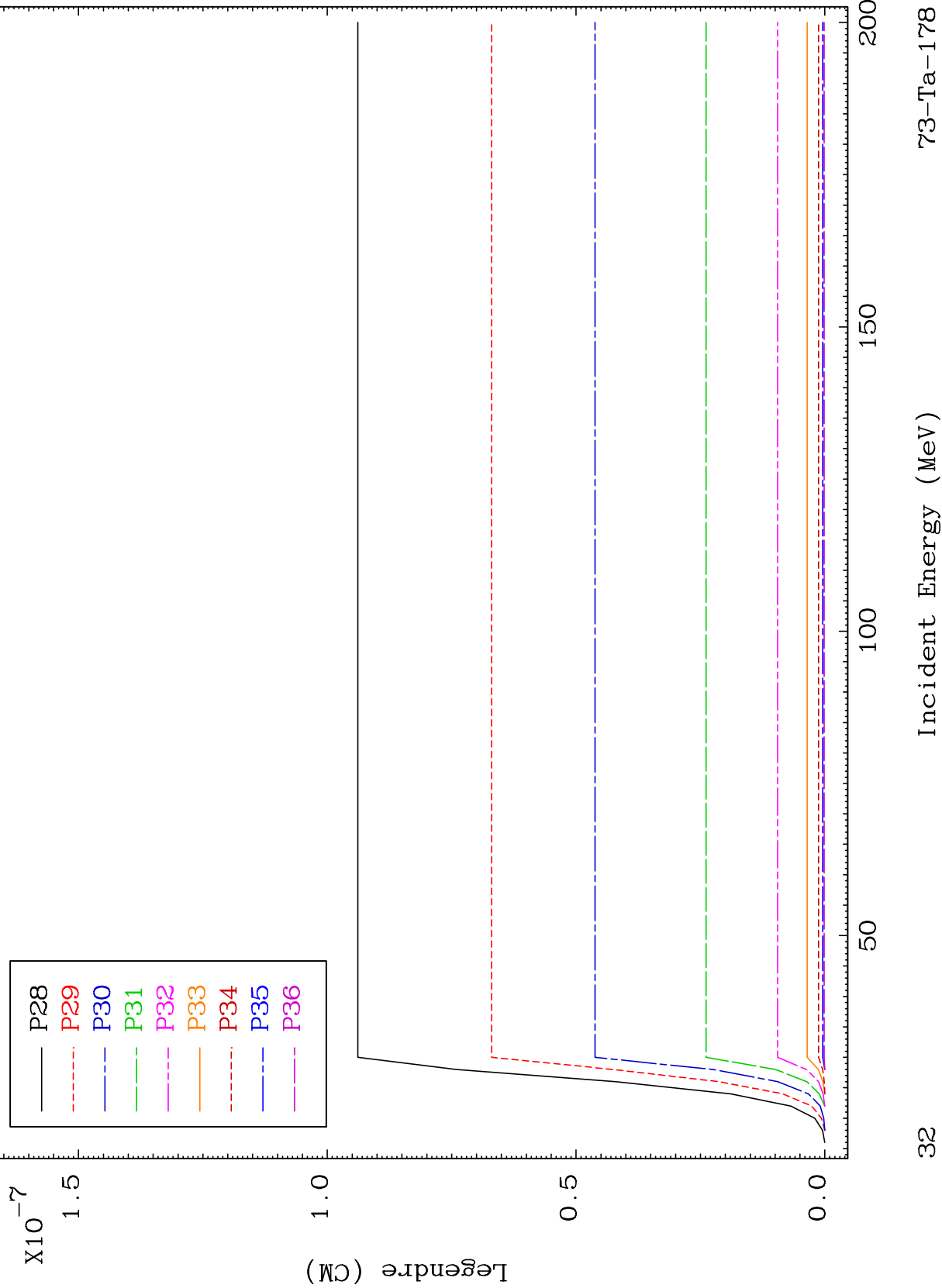
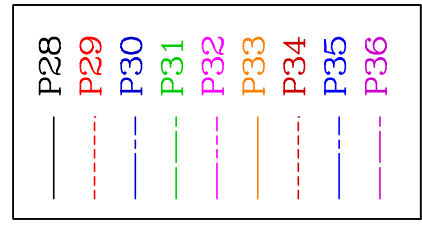
73-Ta-178



MAT 7319

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

73-Ta-178



32

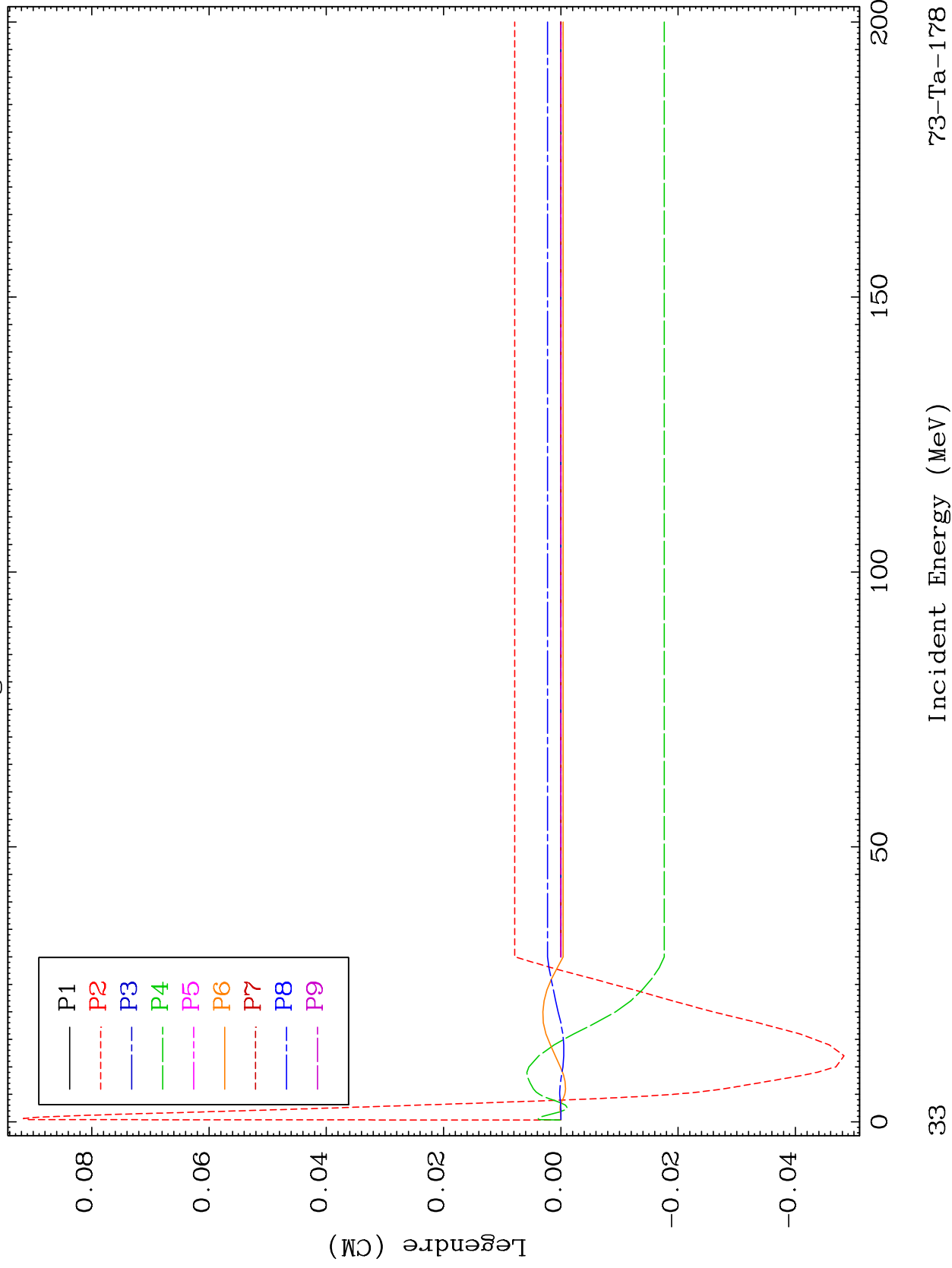
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



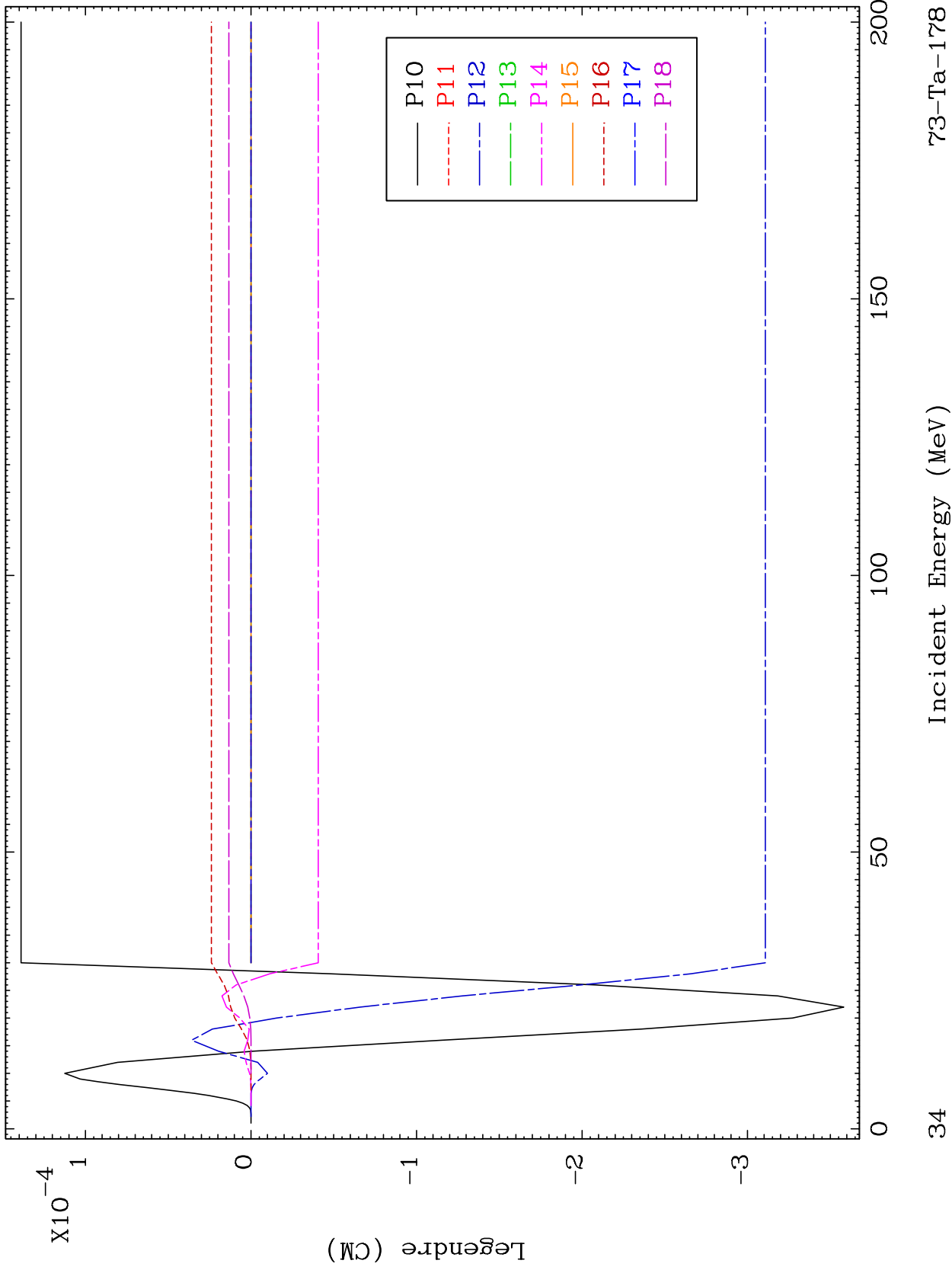
33

73-Ta-178

MAT 7319

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

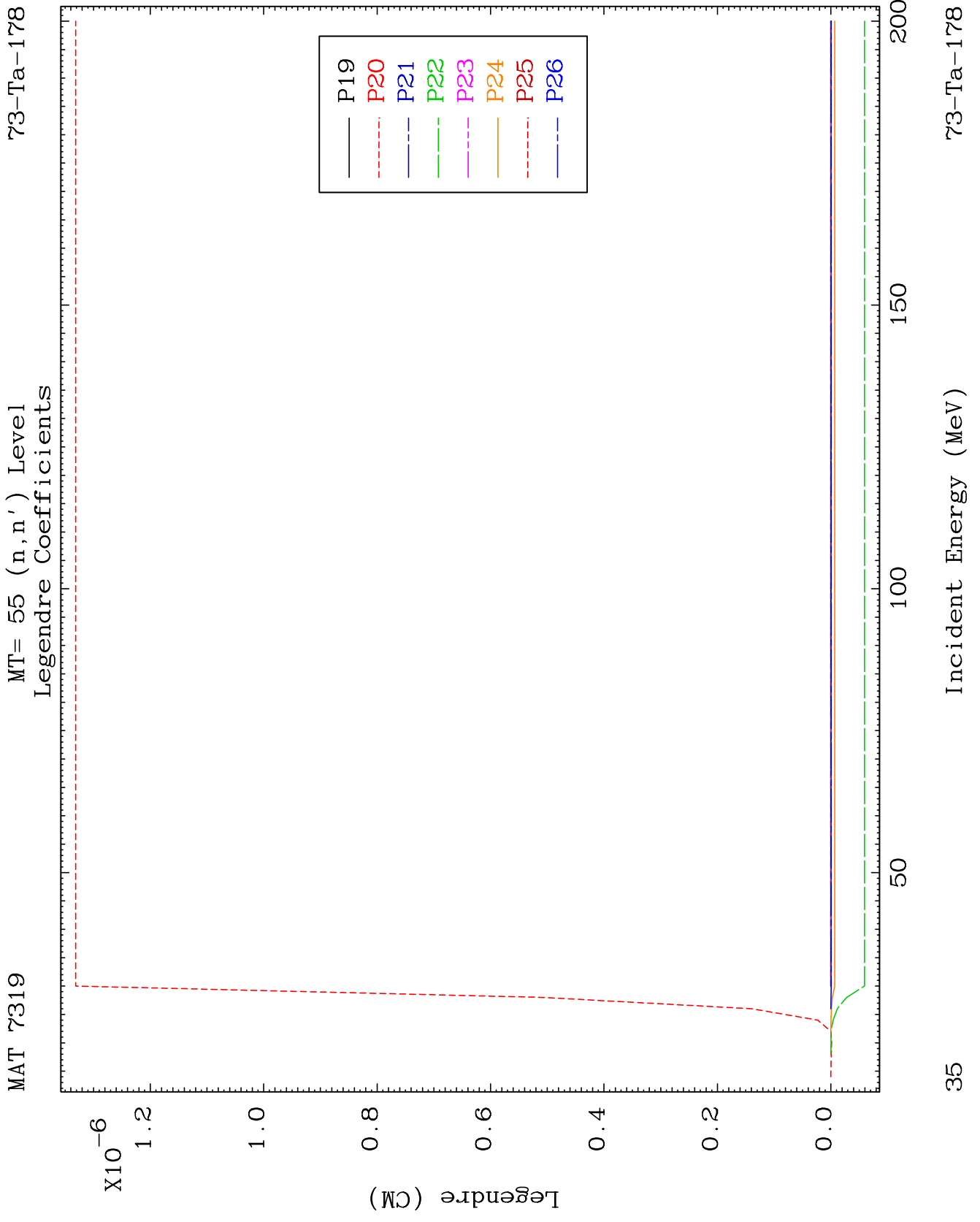
73-Ta-178

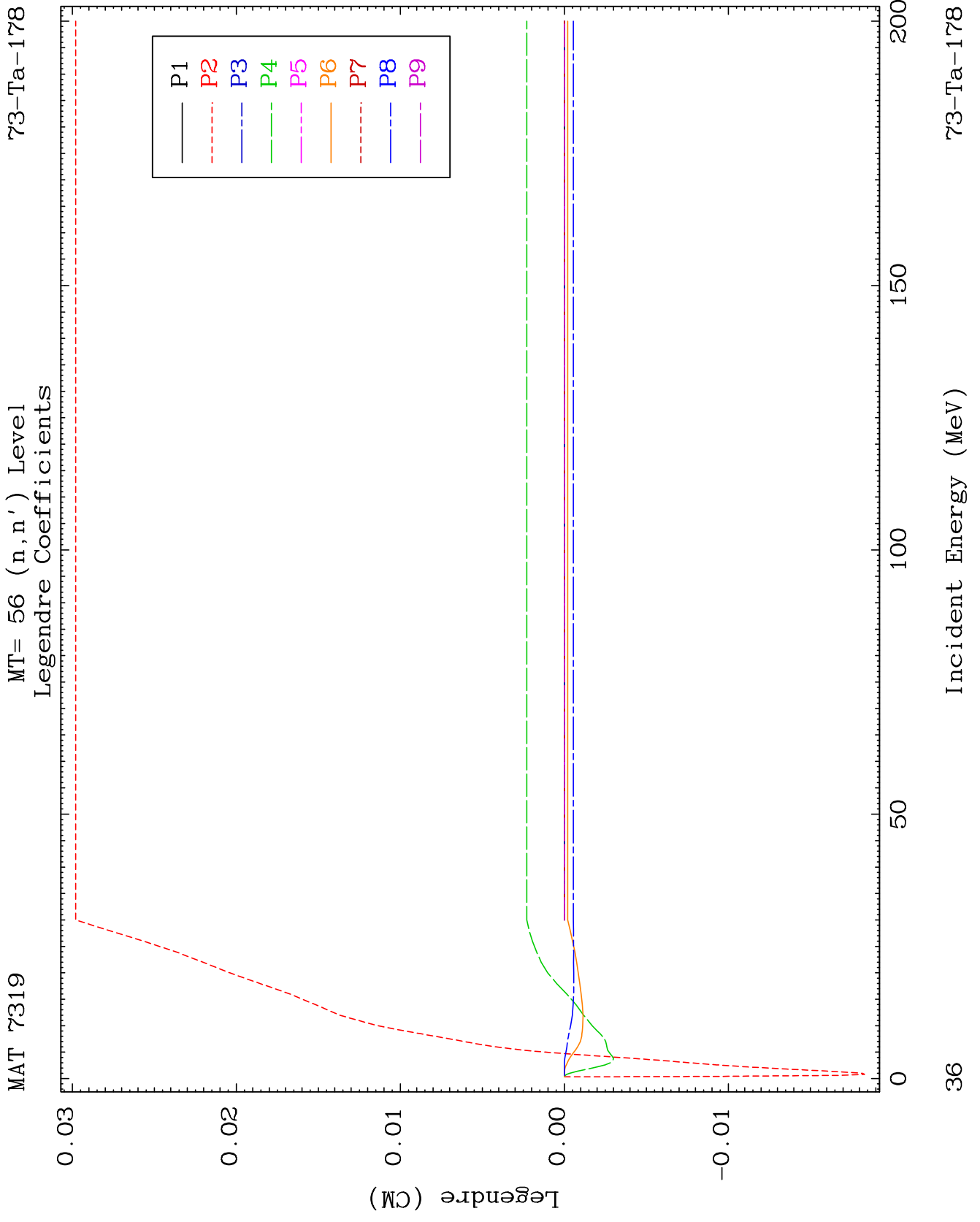


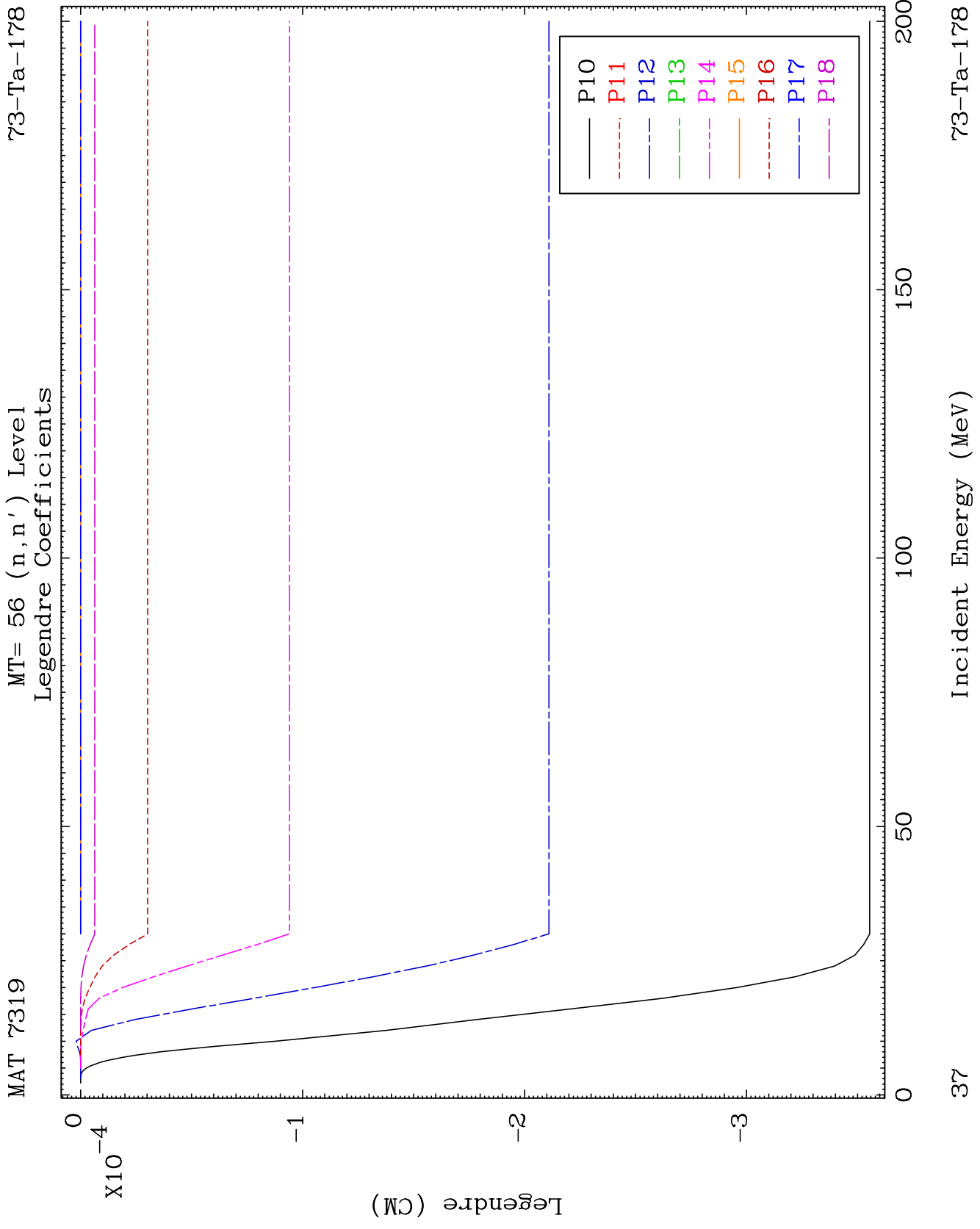
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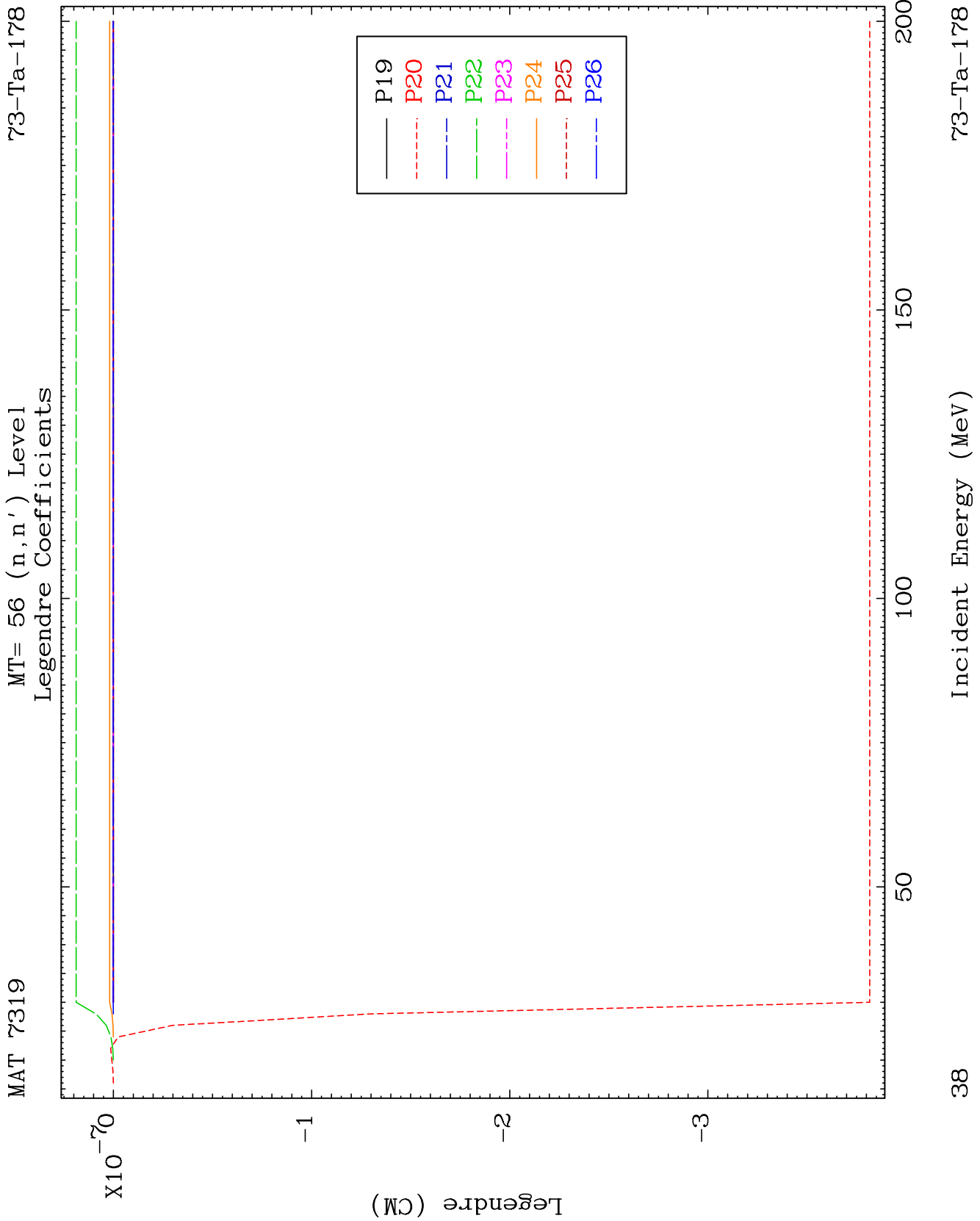
Incident Energy (MeV)

73-Ta-178





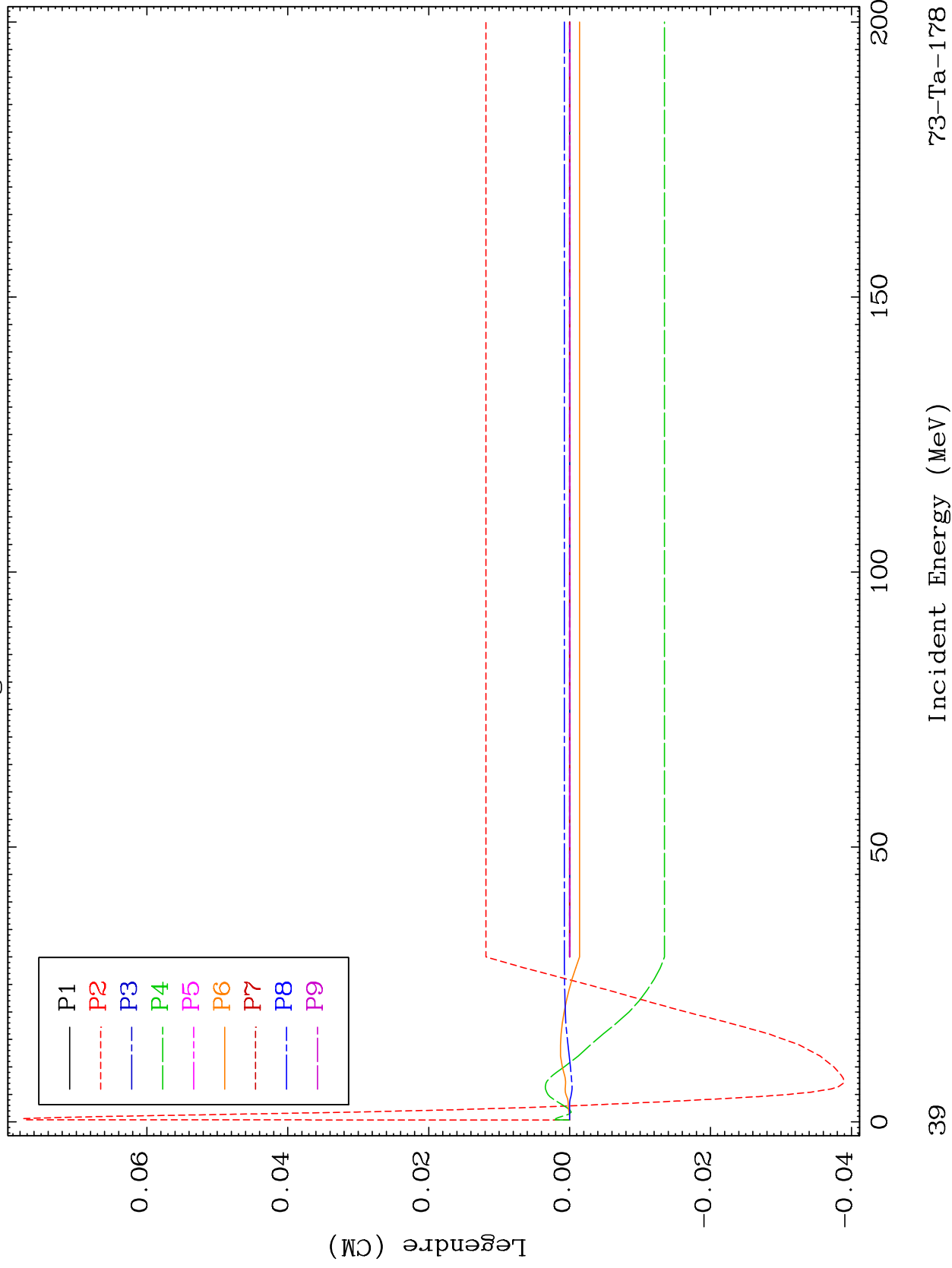




MAT 7319

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

73-Ta-178



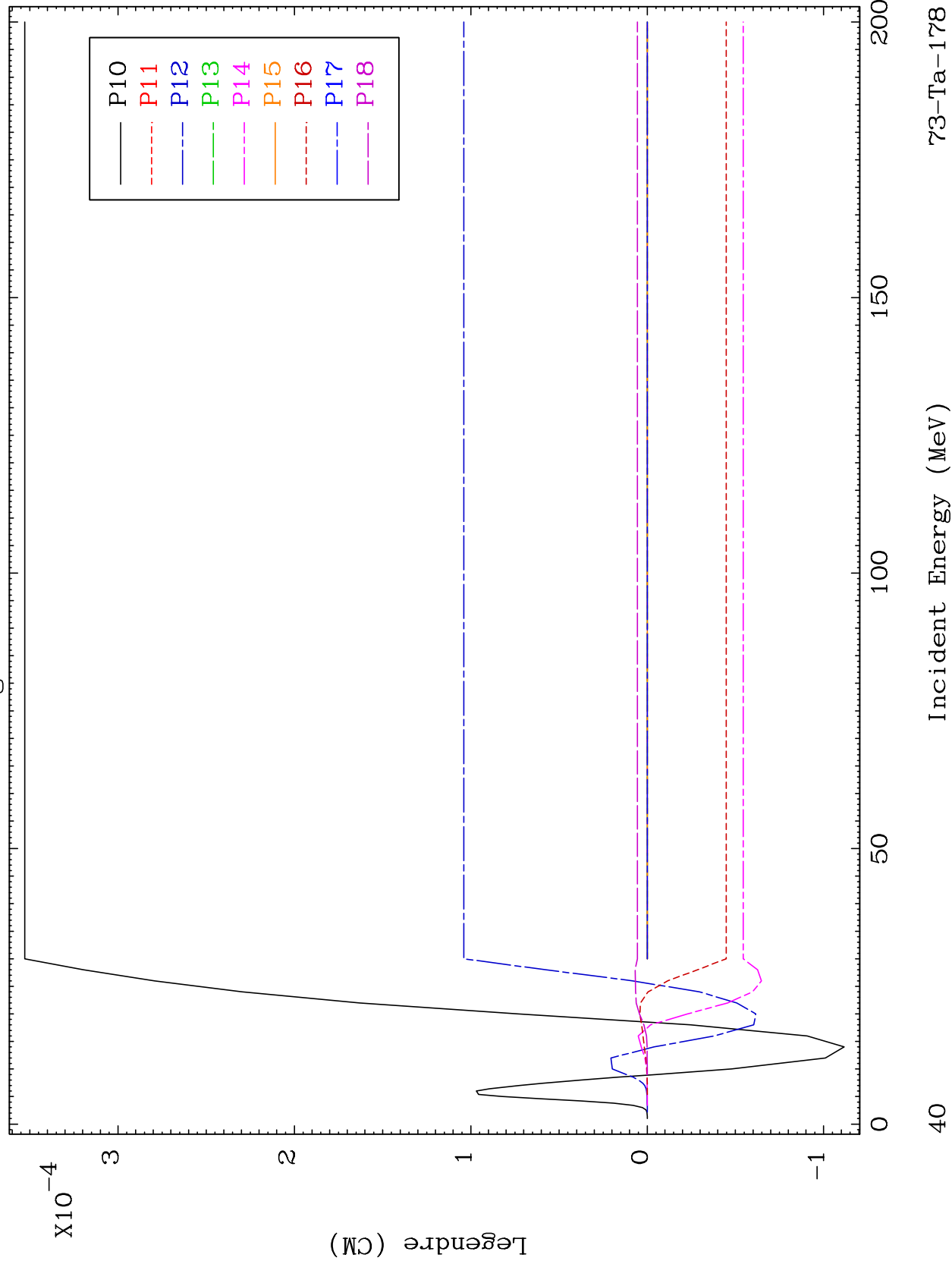
39

73-Ta-178

MAT 7319

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

73-Ta-178



73-Ta-178

Incident Energy (MeV)

40

0

50

100

150

200

10^{-4}

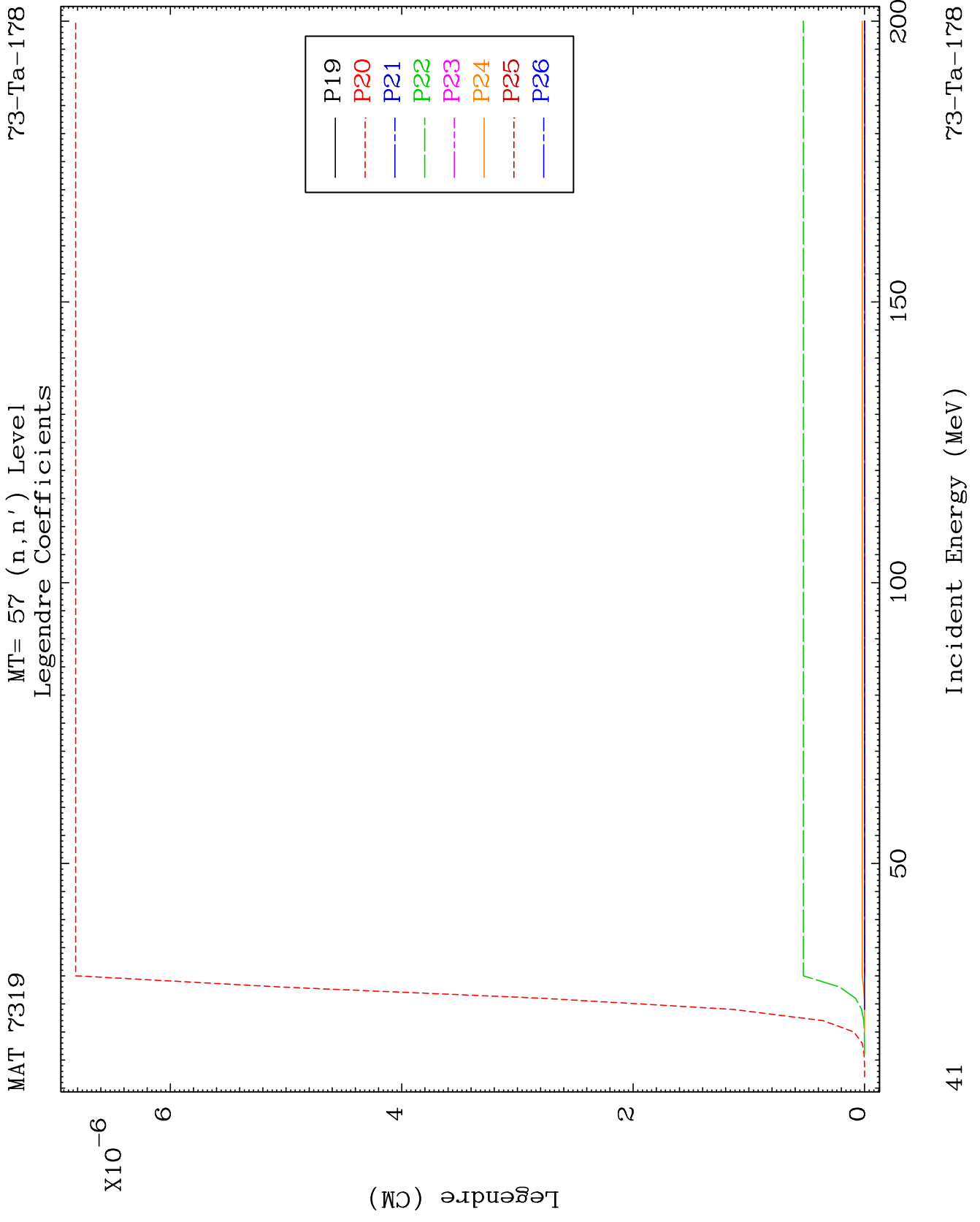
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2

1

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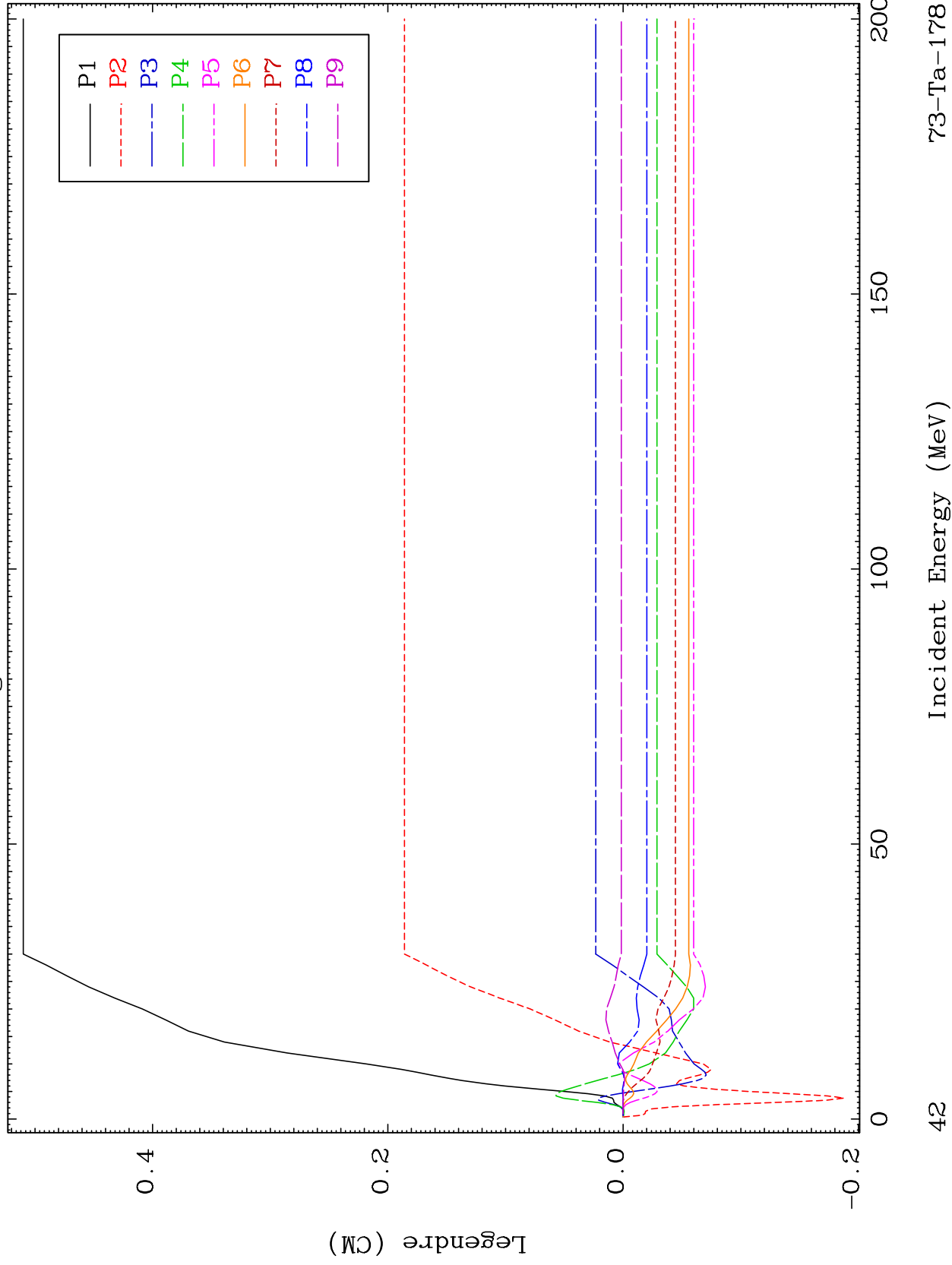
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MAT 7319

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

73-Ta-178



73-Ta-178

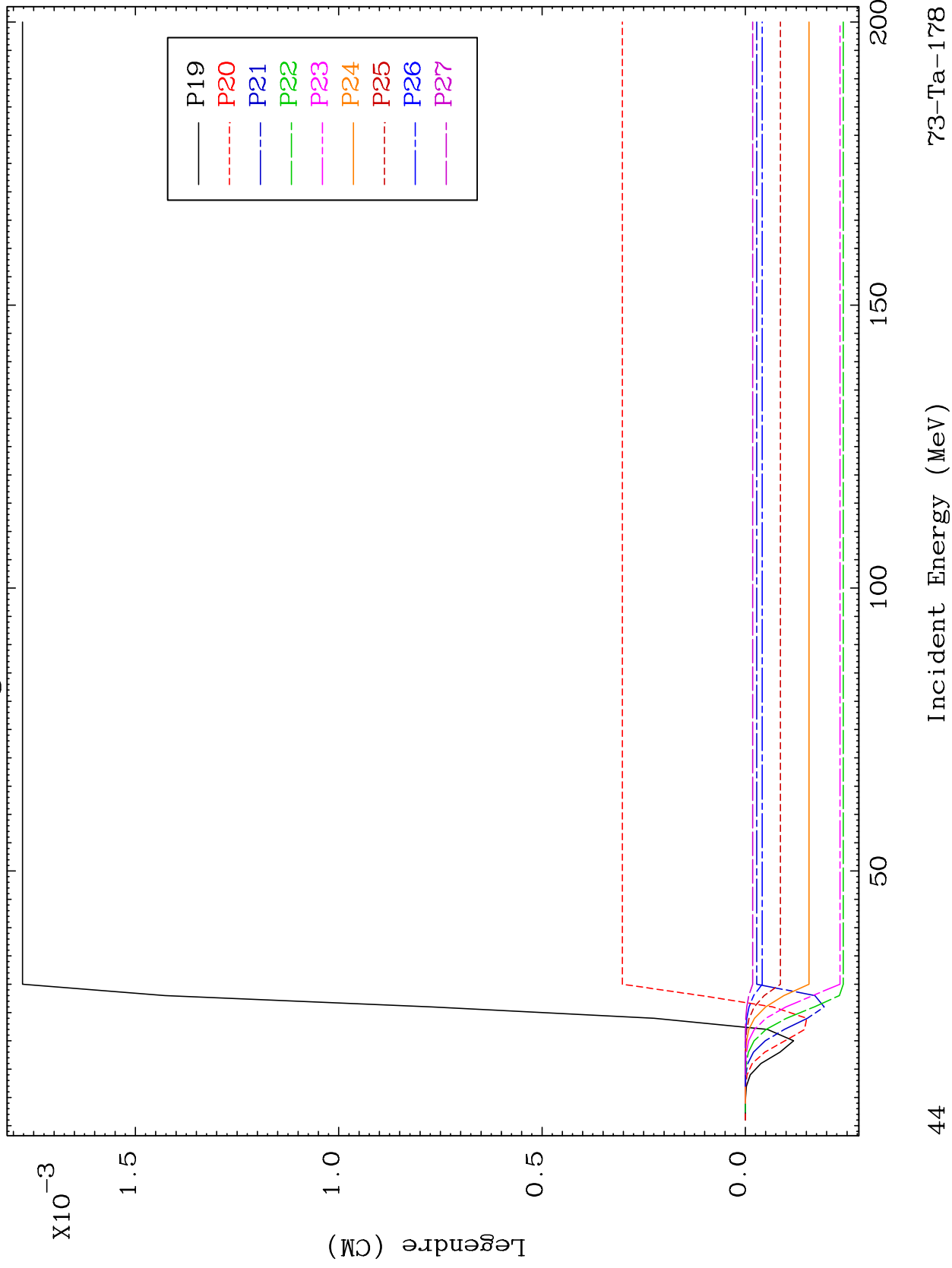
Incident Energy (MeV)

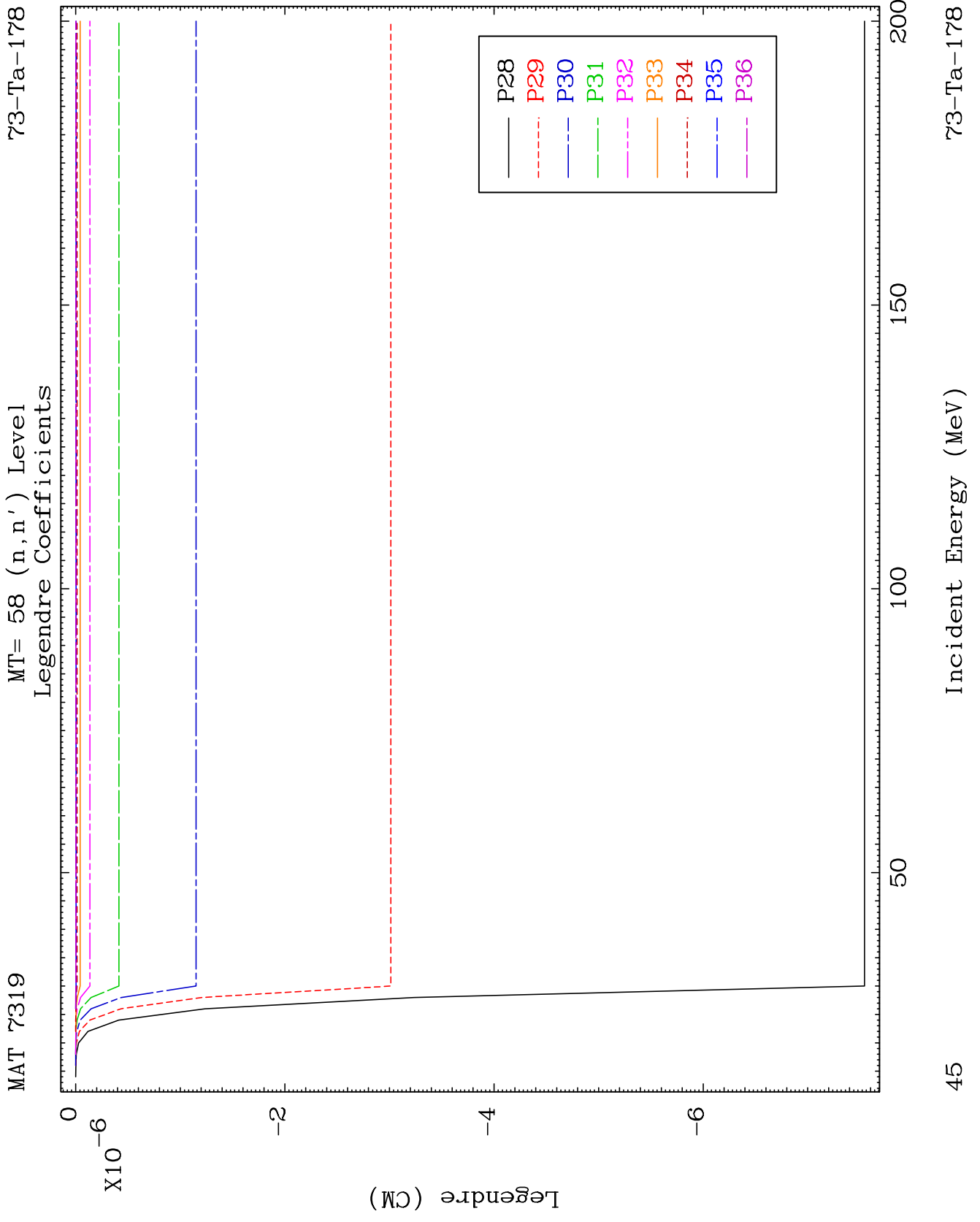
42

MAT 7319

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

73-Ta-178

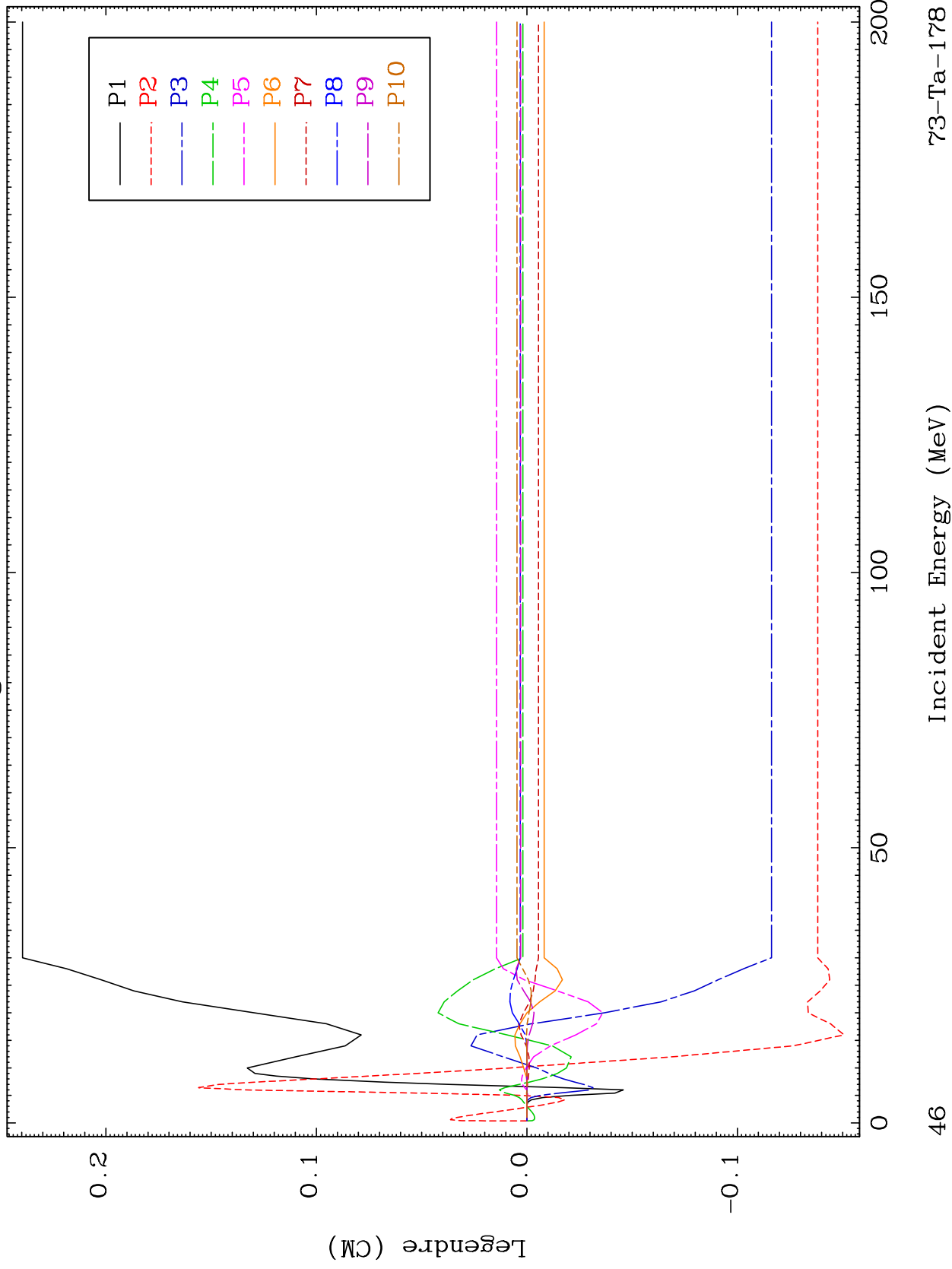




MAT 7319

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

73-Ta-178



73-Ta-178

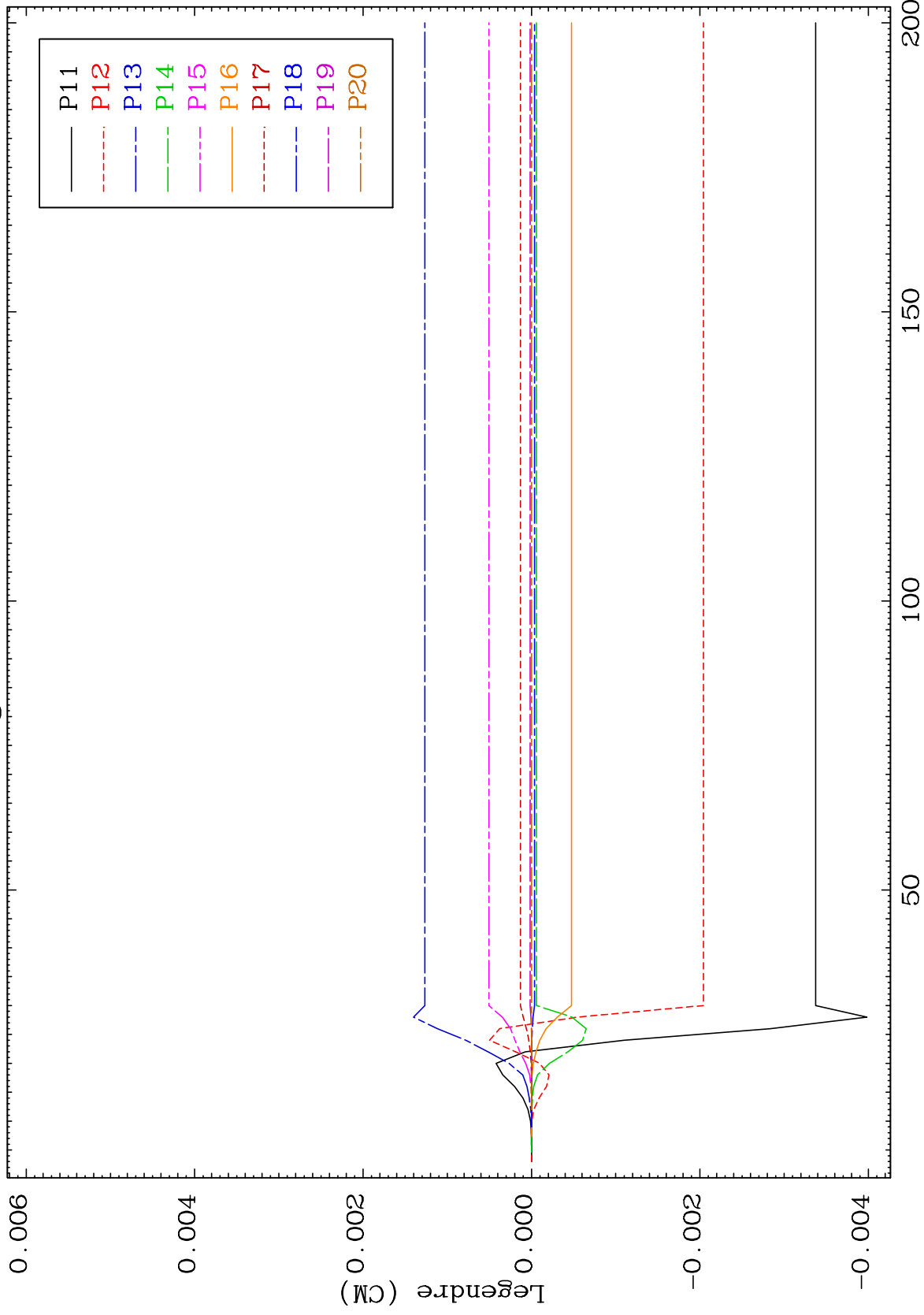
Incident Energy (MeV)

46

MAT 7319

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

73-Ta-178



47

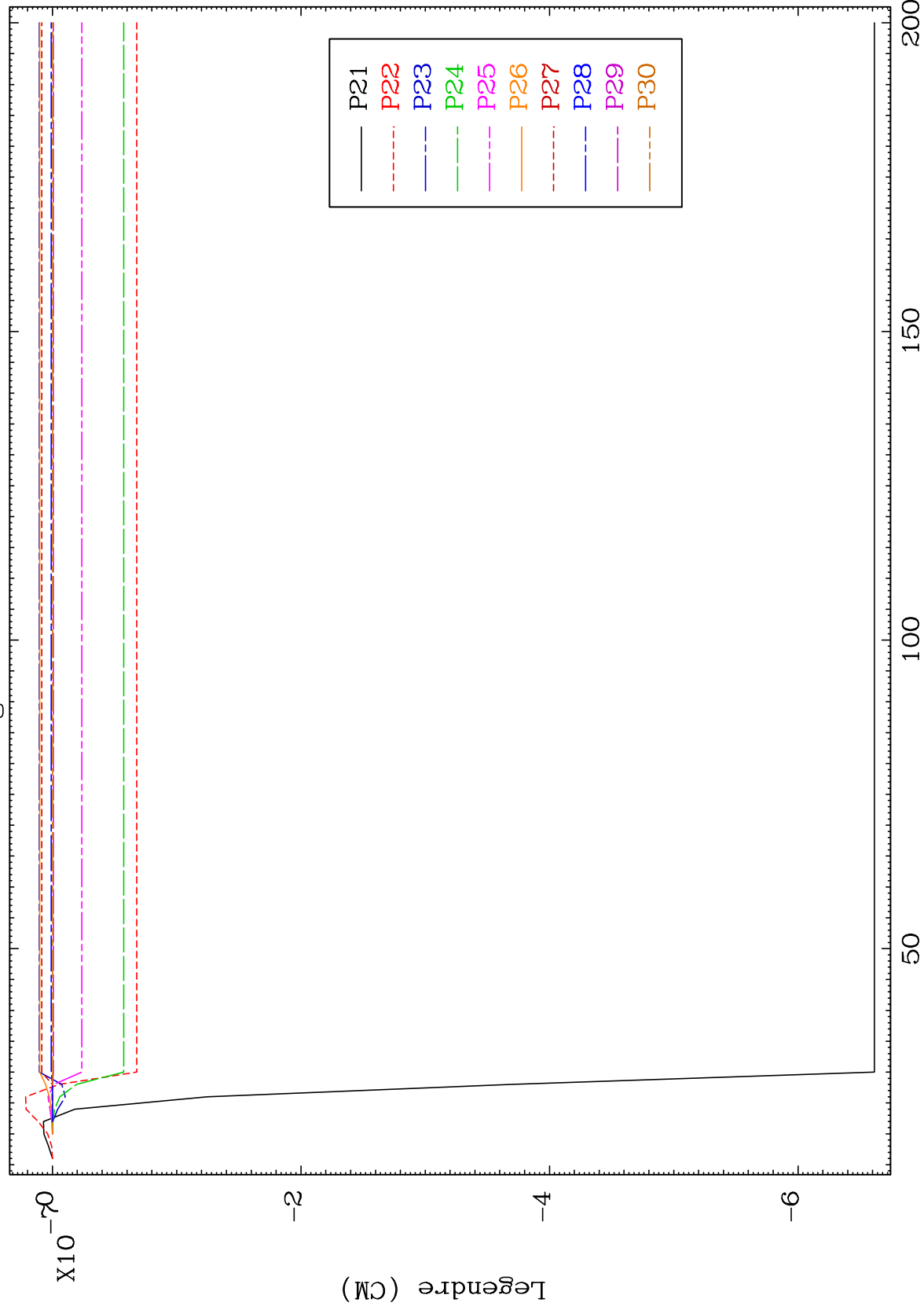
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



48

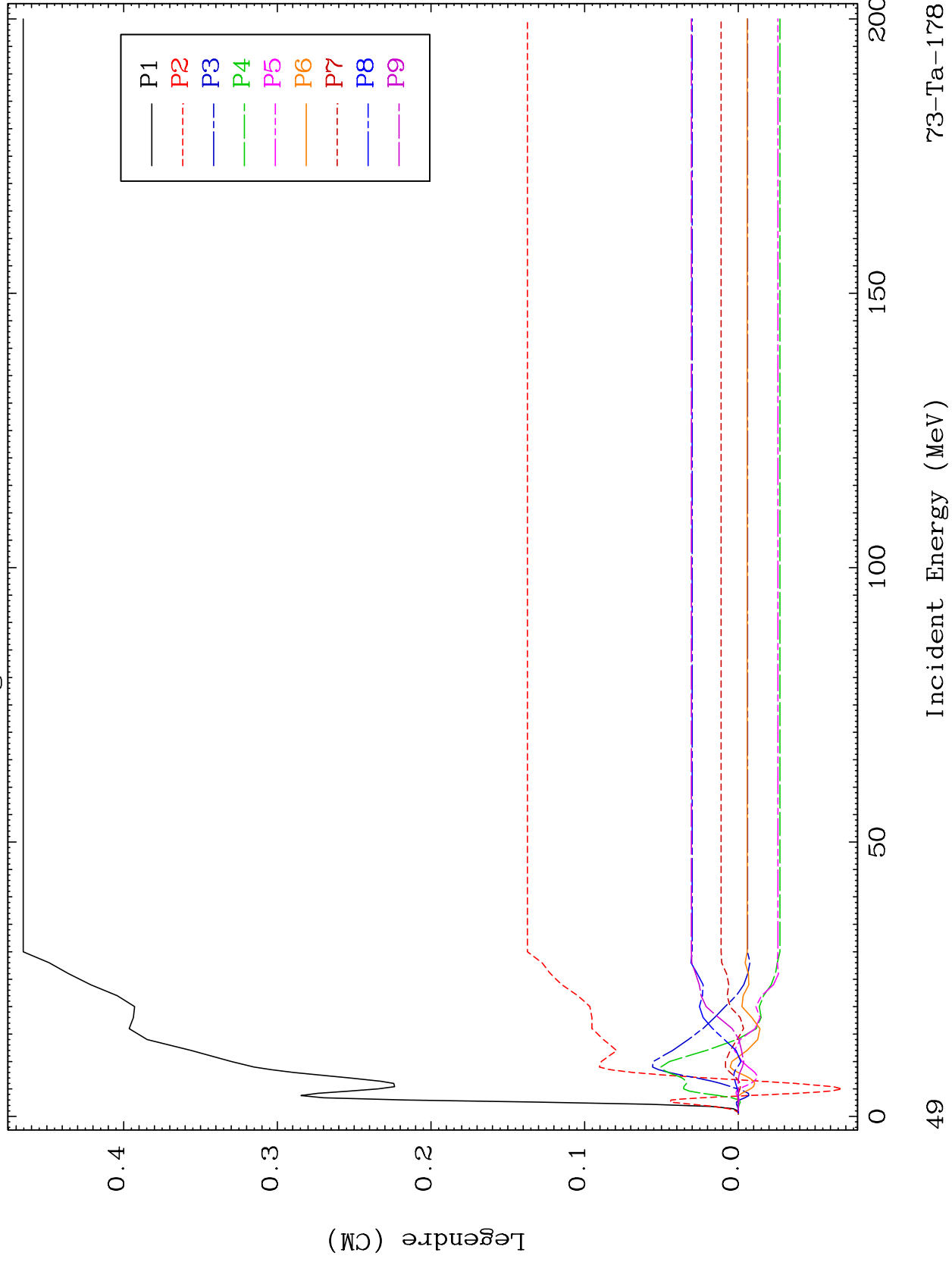
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

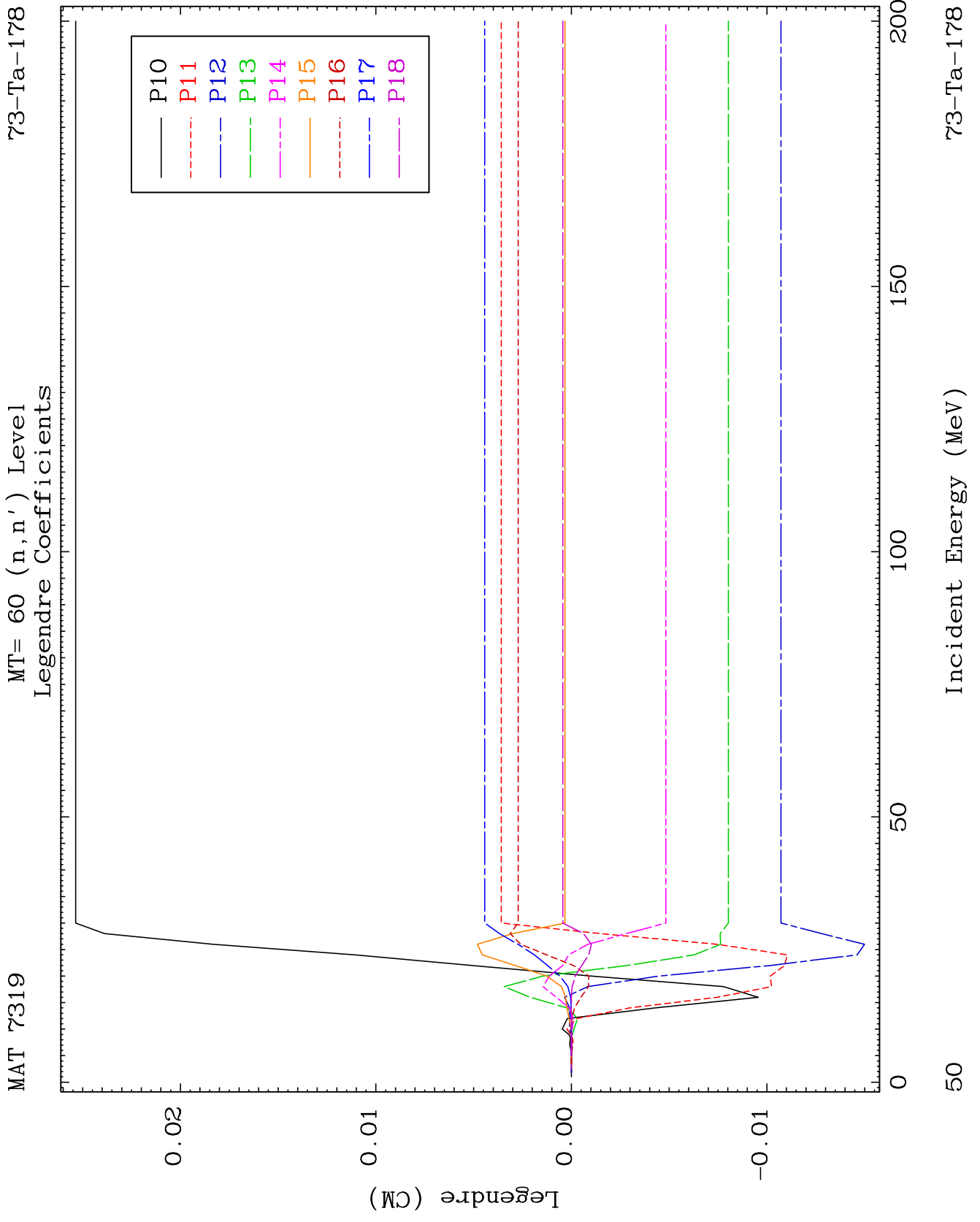
73-Ta-178



73-Ta-178

Incident Energy (MeV)

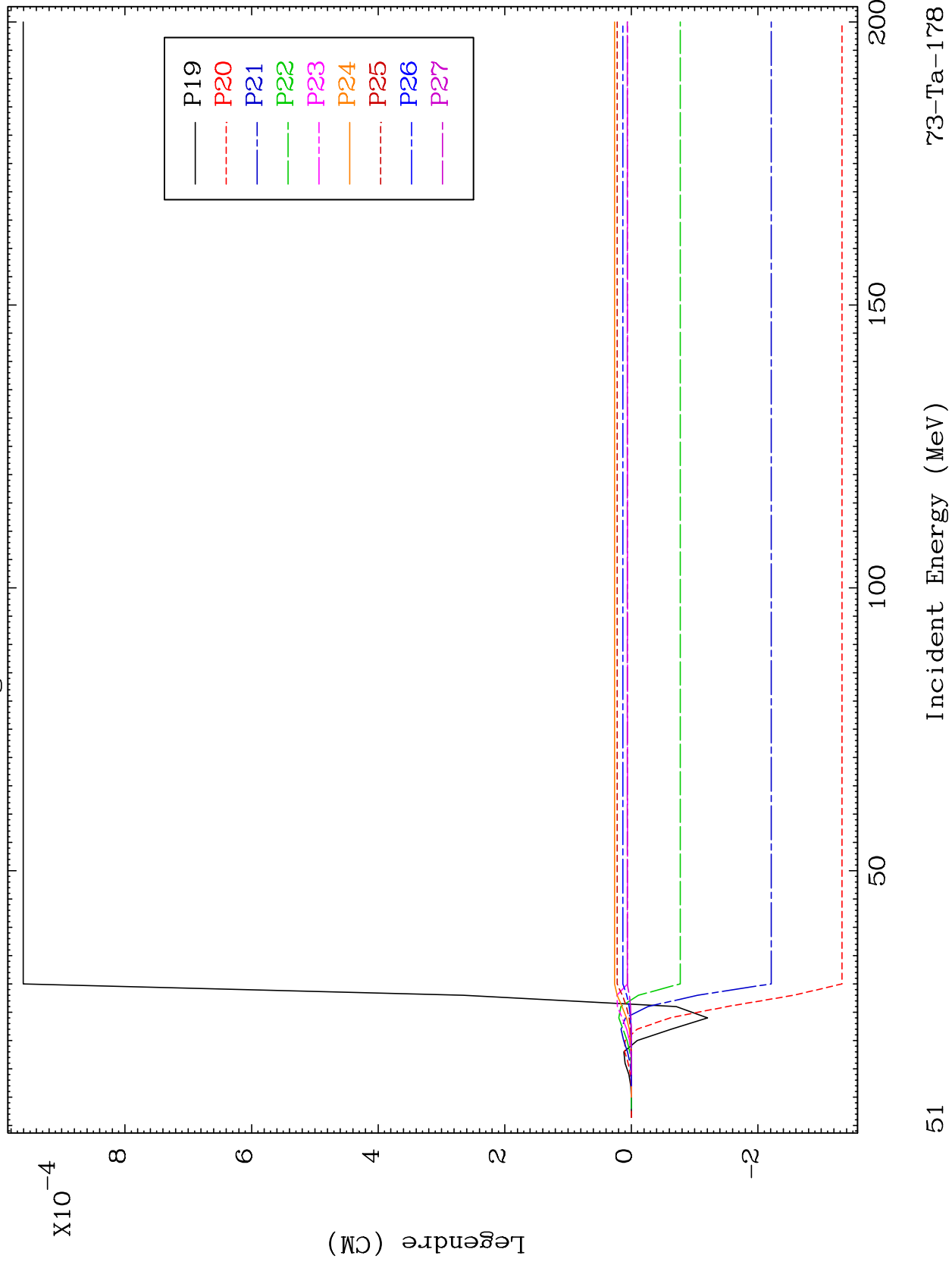
49



MAT 7319

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

73-Ta-178



51

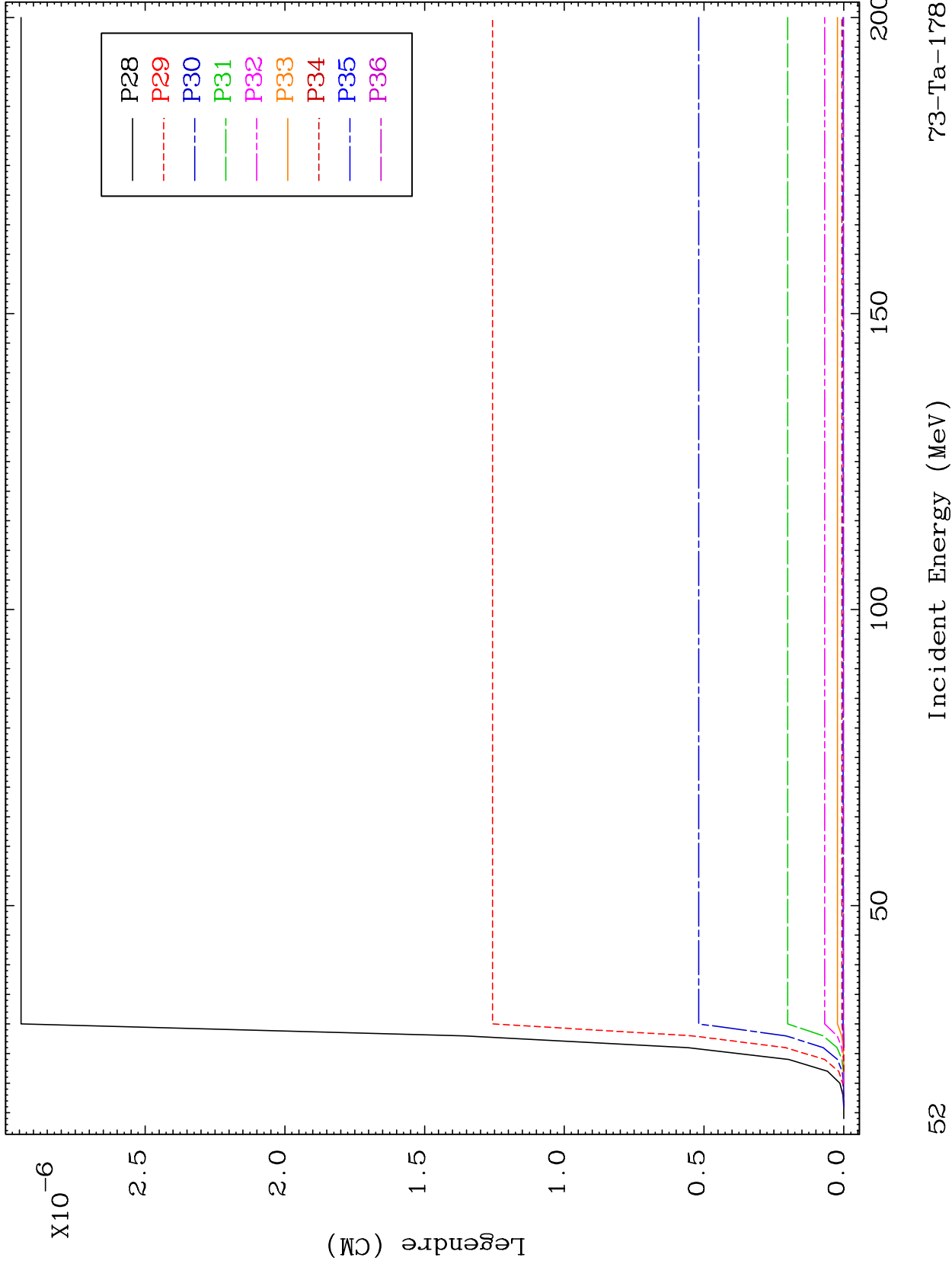
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

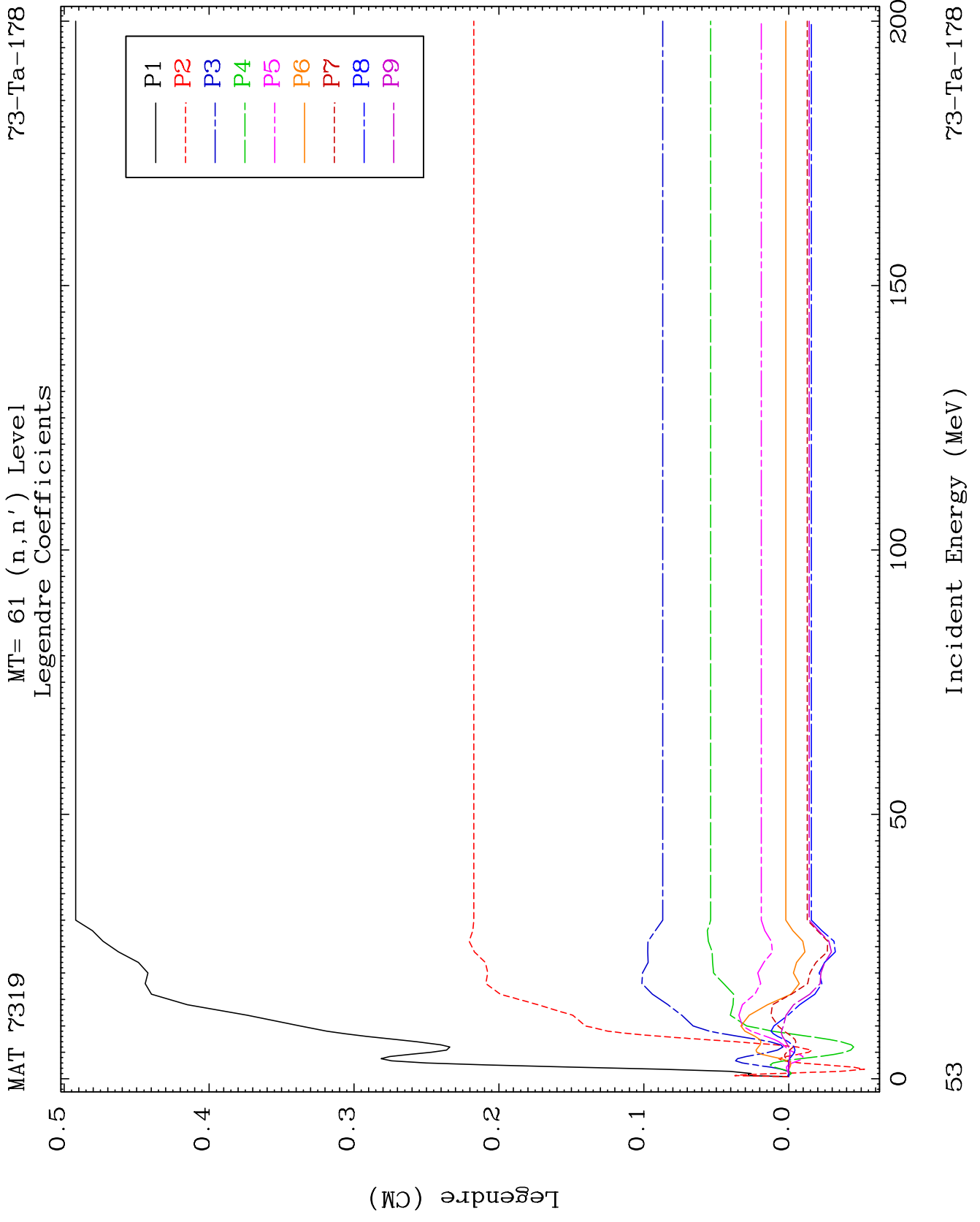
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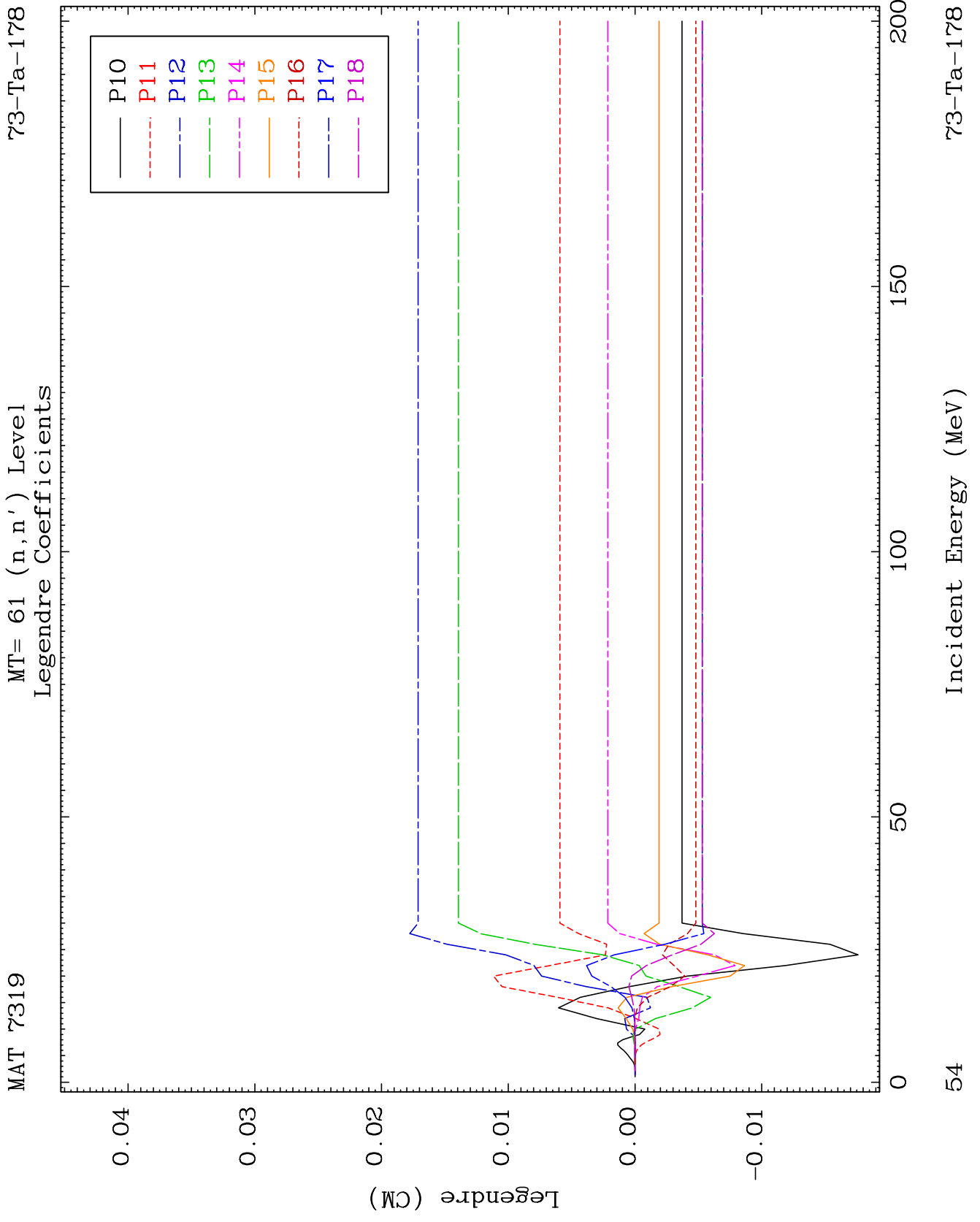


52

Incident Energy (MeV)

73-Ta-178

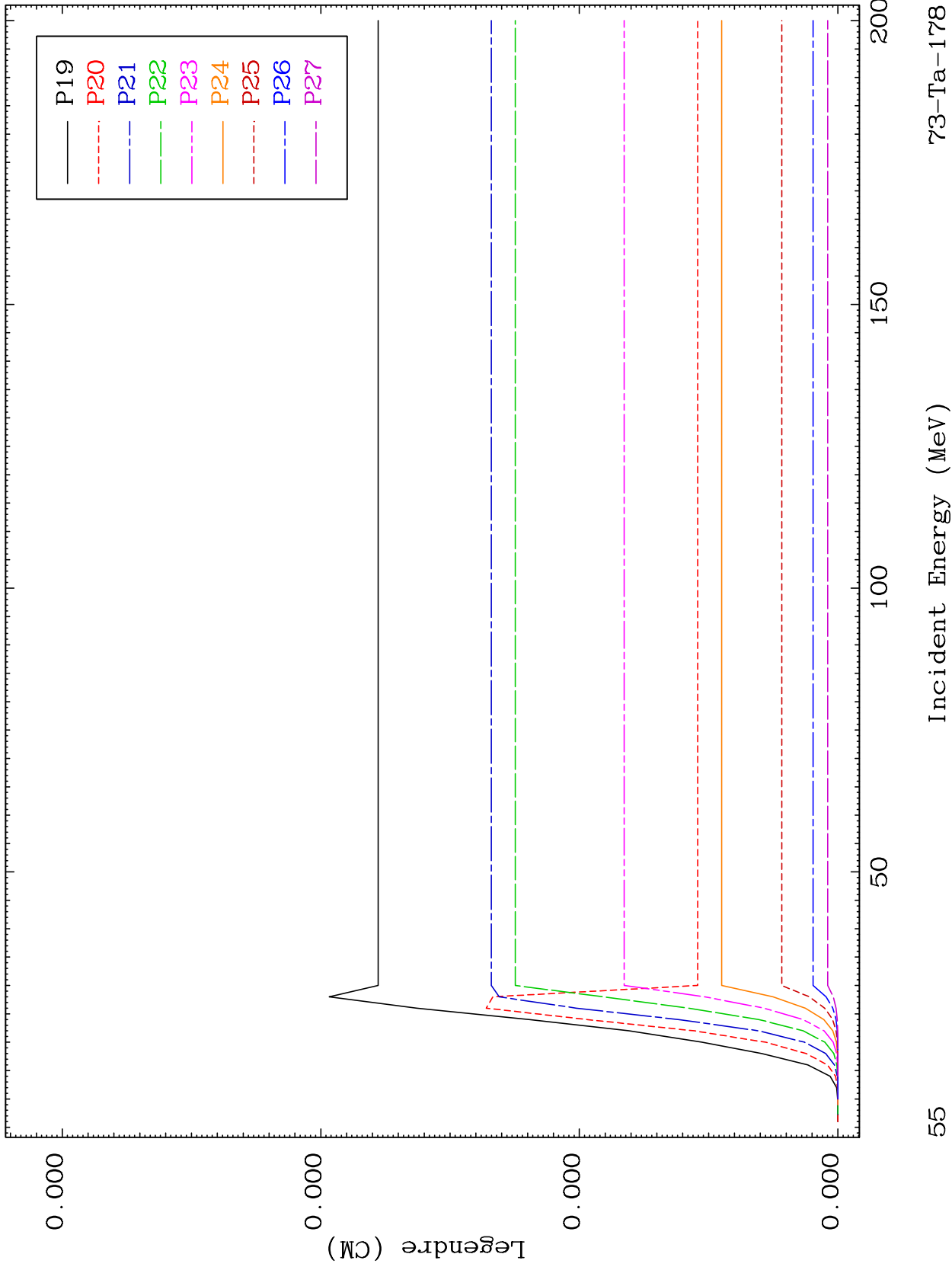




MAT 7319

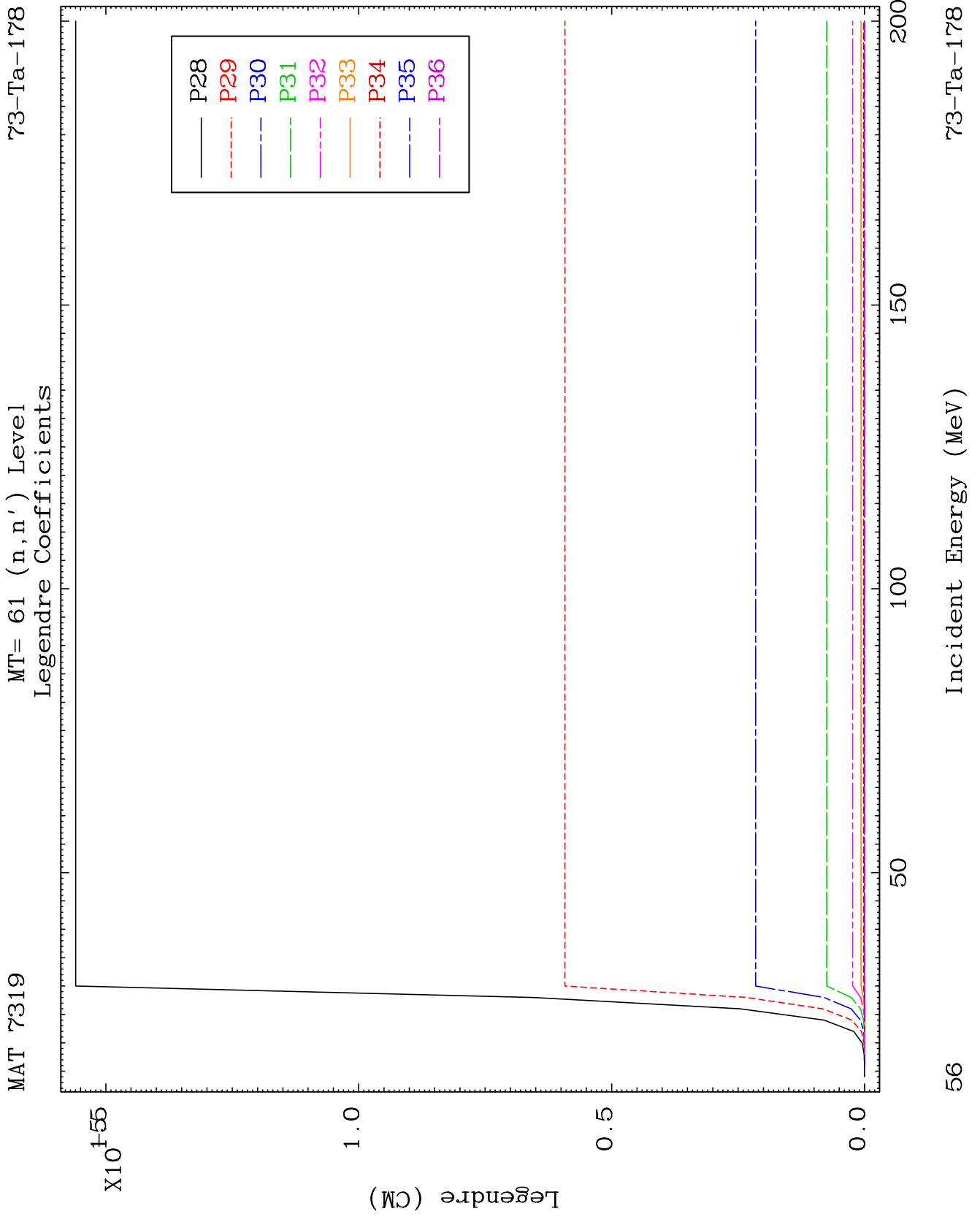
MT= 61 (n,n') Level
Legendre Coefficients

73-Ta-178



55

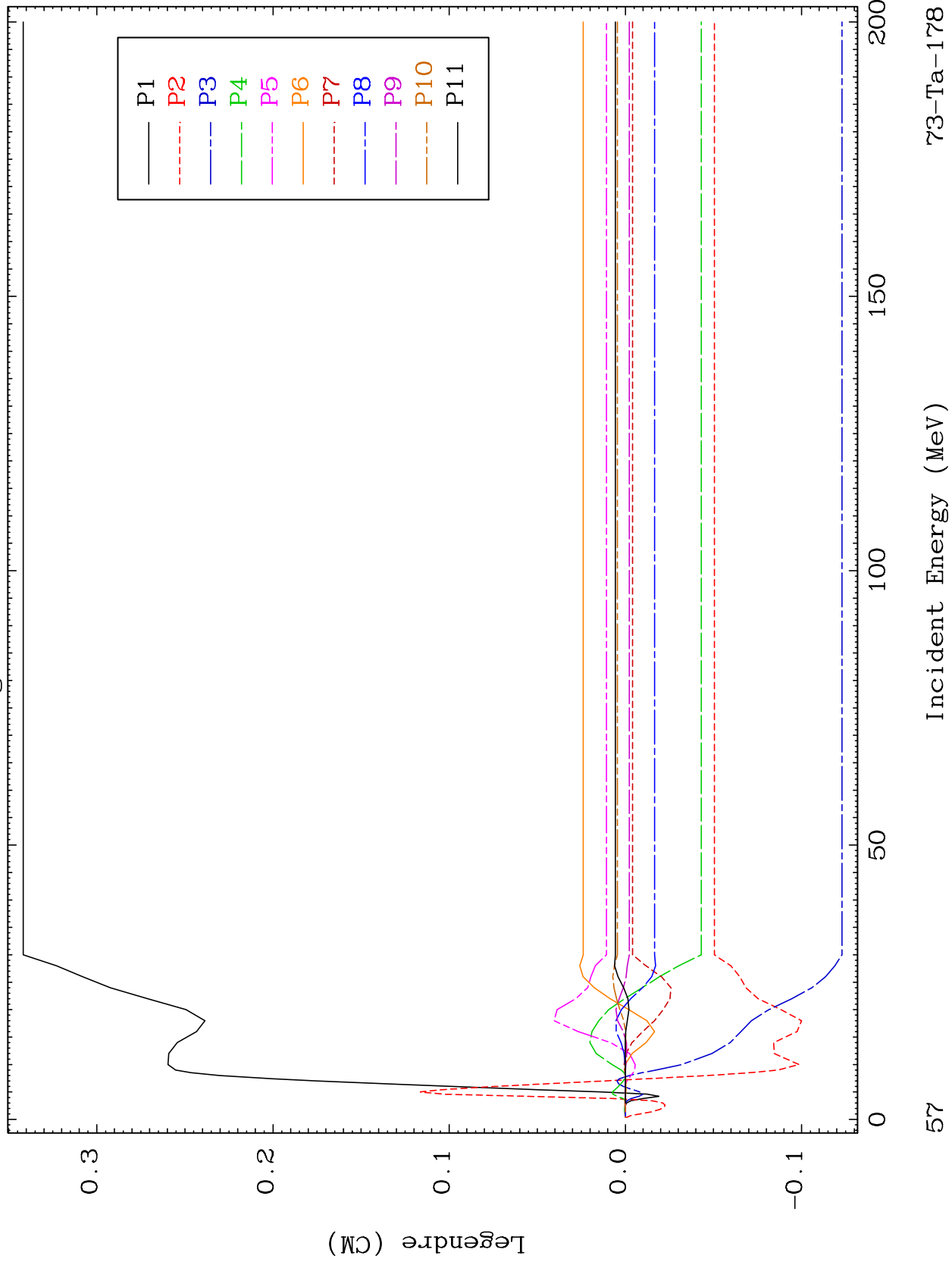
73-Ta-178



MAT 7319

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

73-Ta-178



57

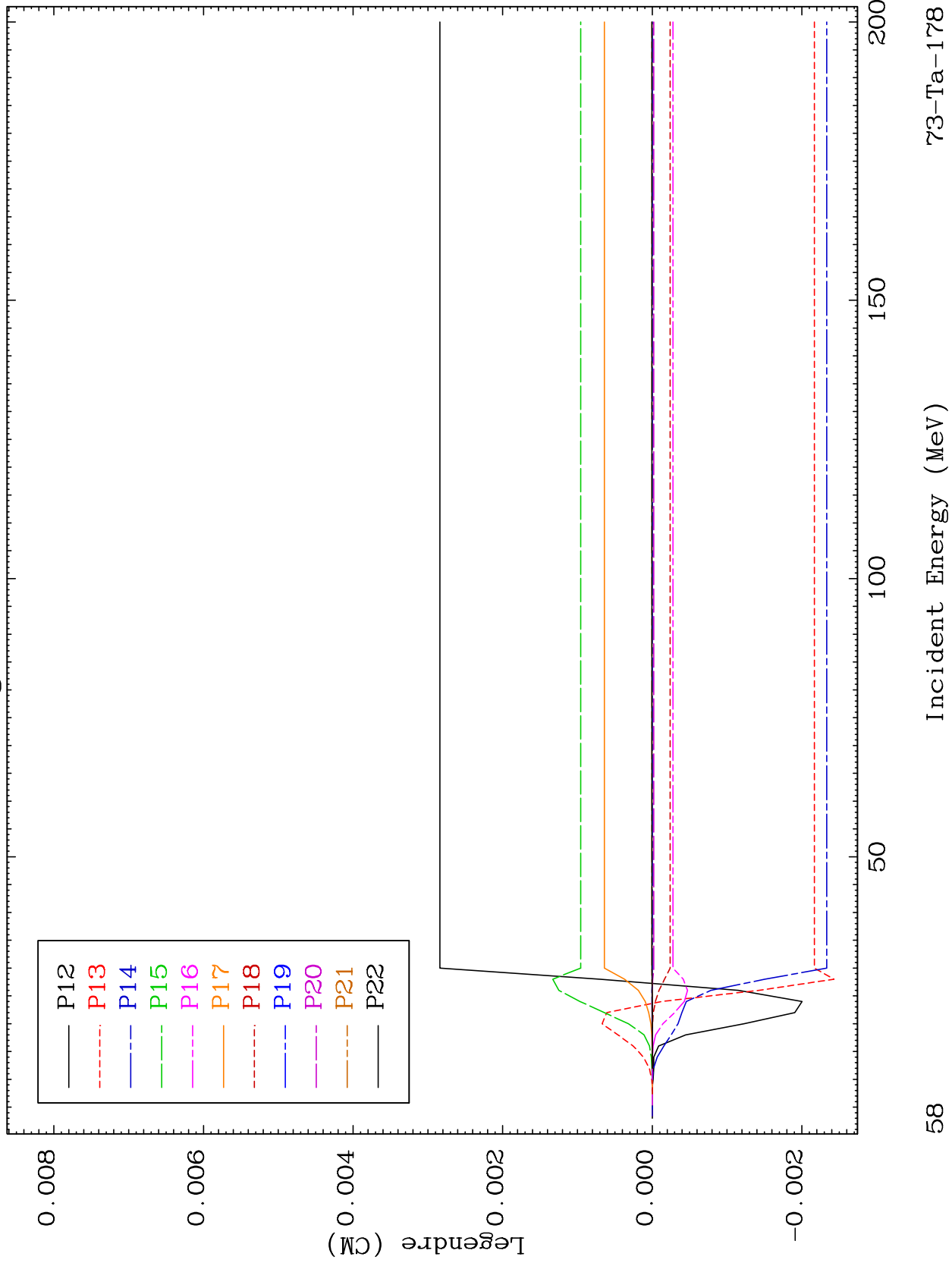
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

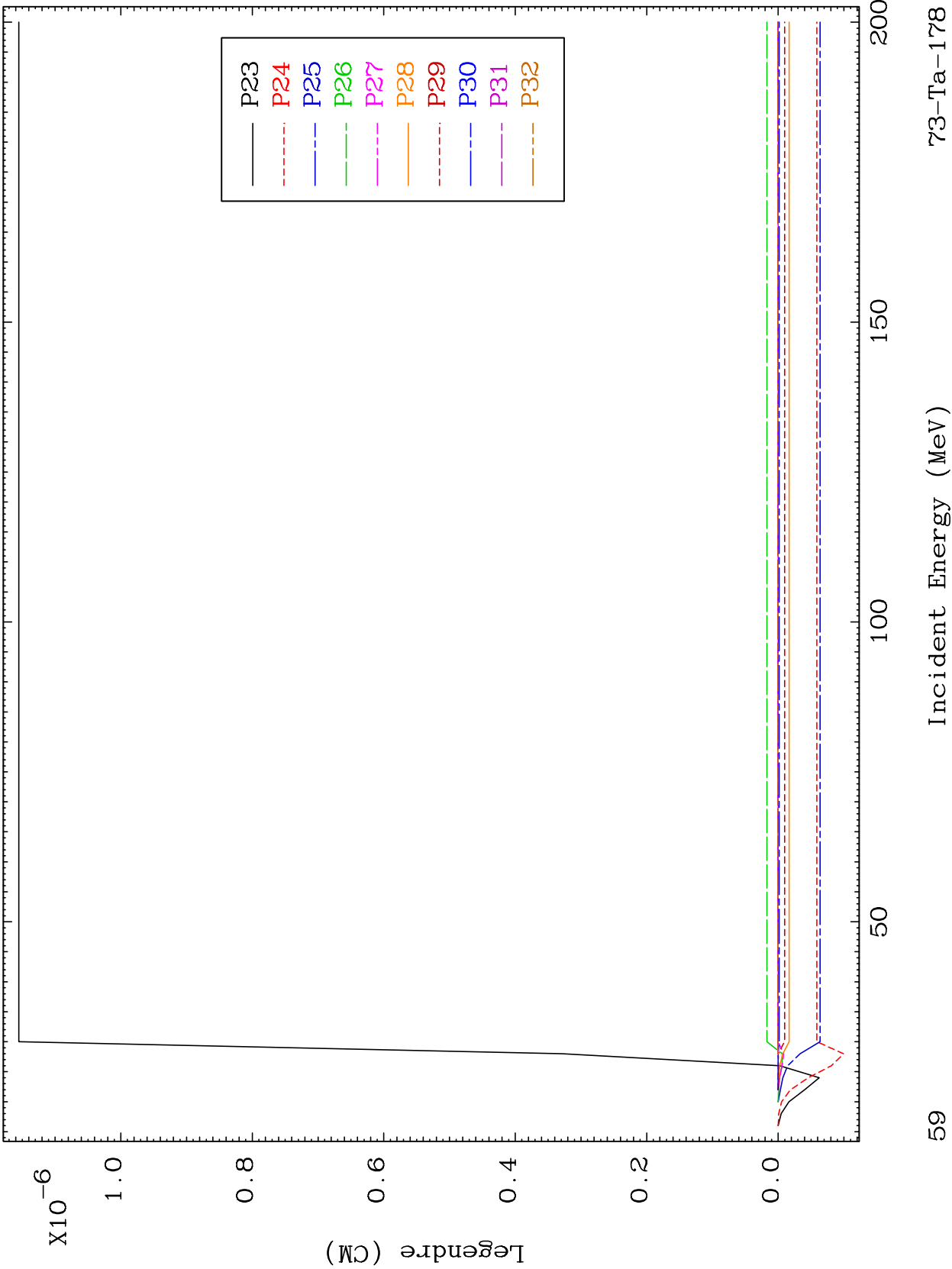
73-Ta-178



MAT 7319

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

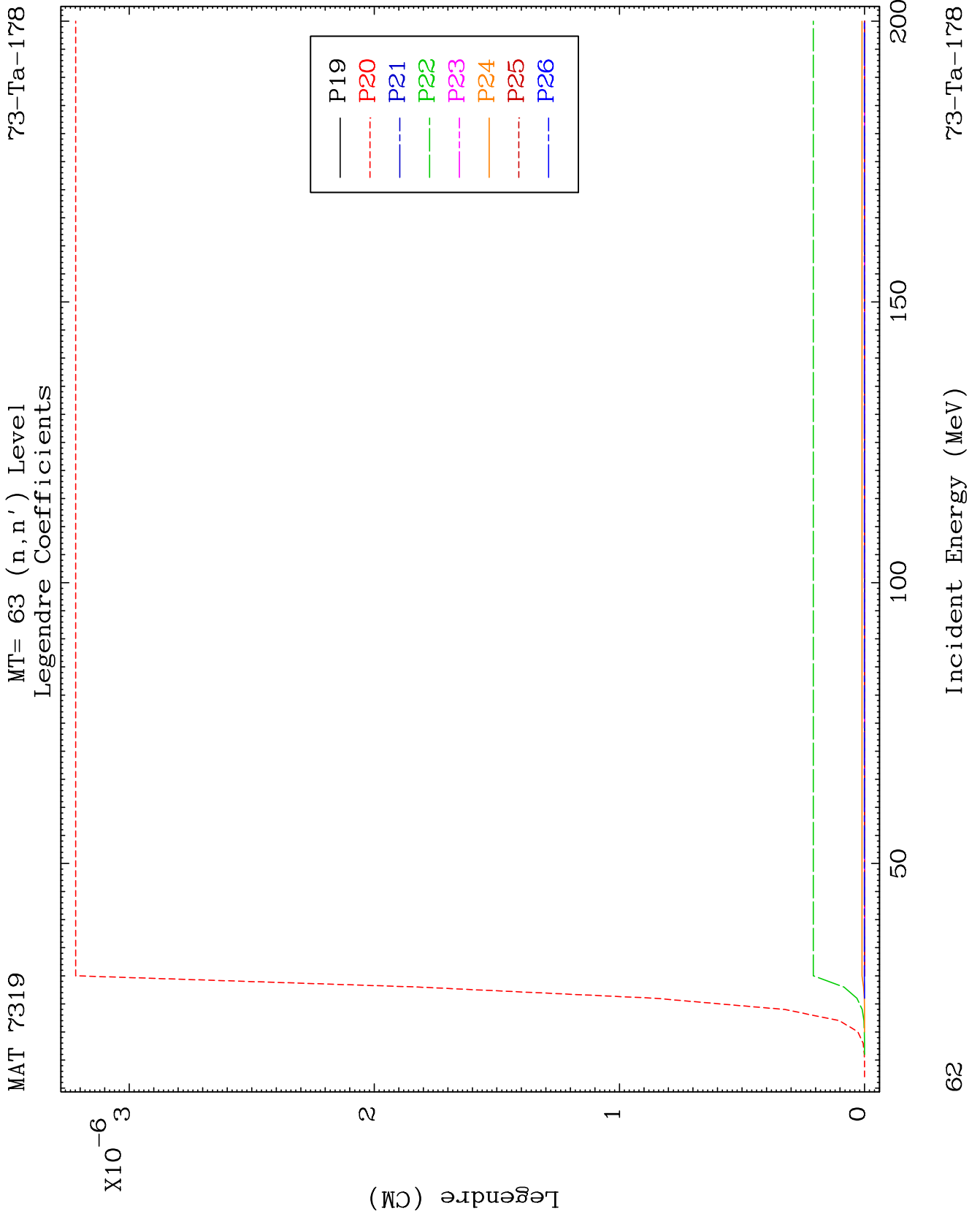
73-Ta-178

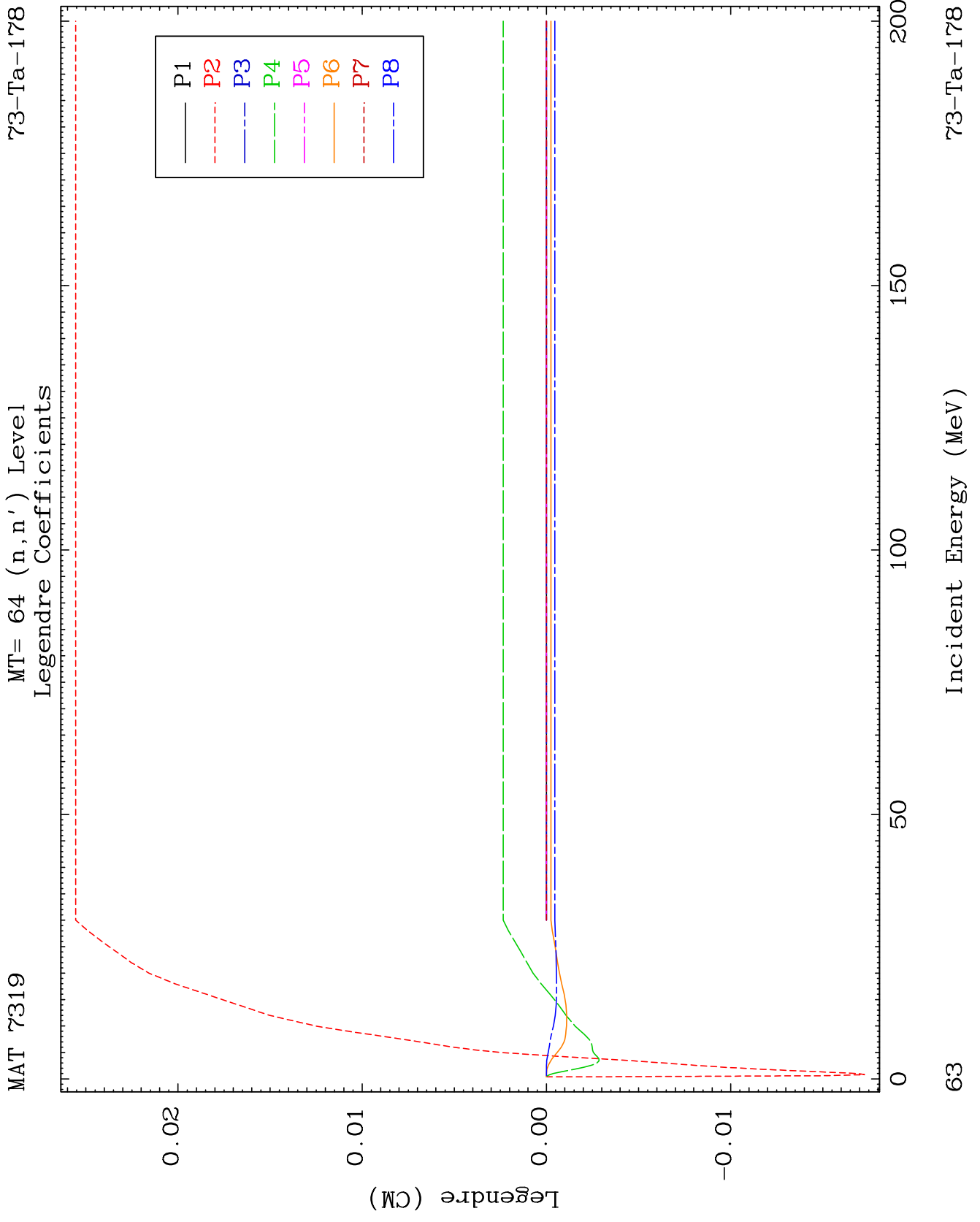


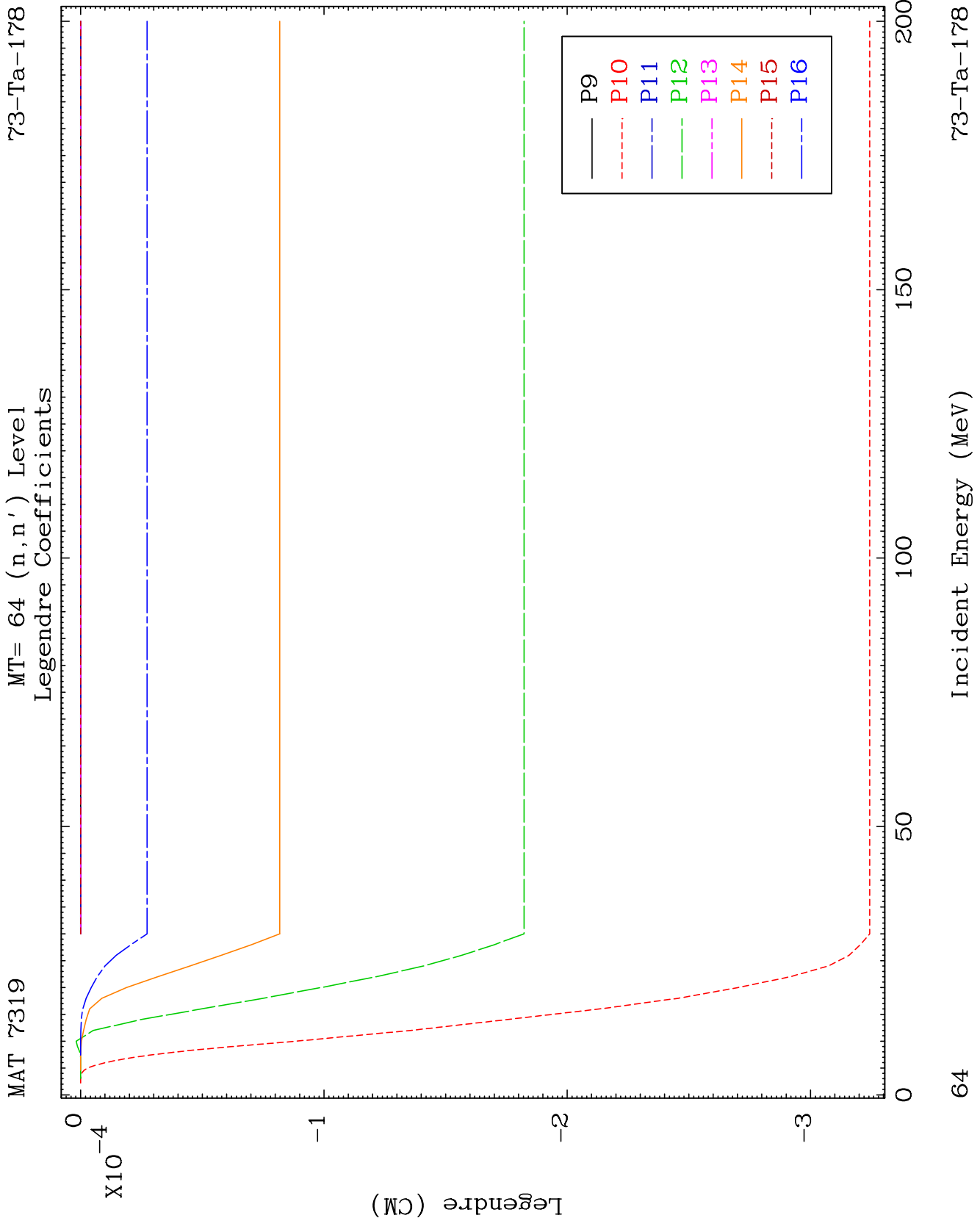
59

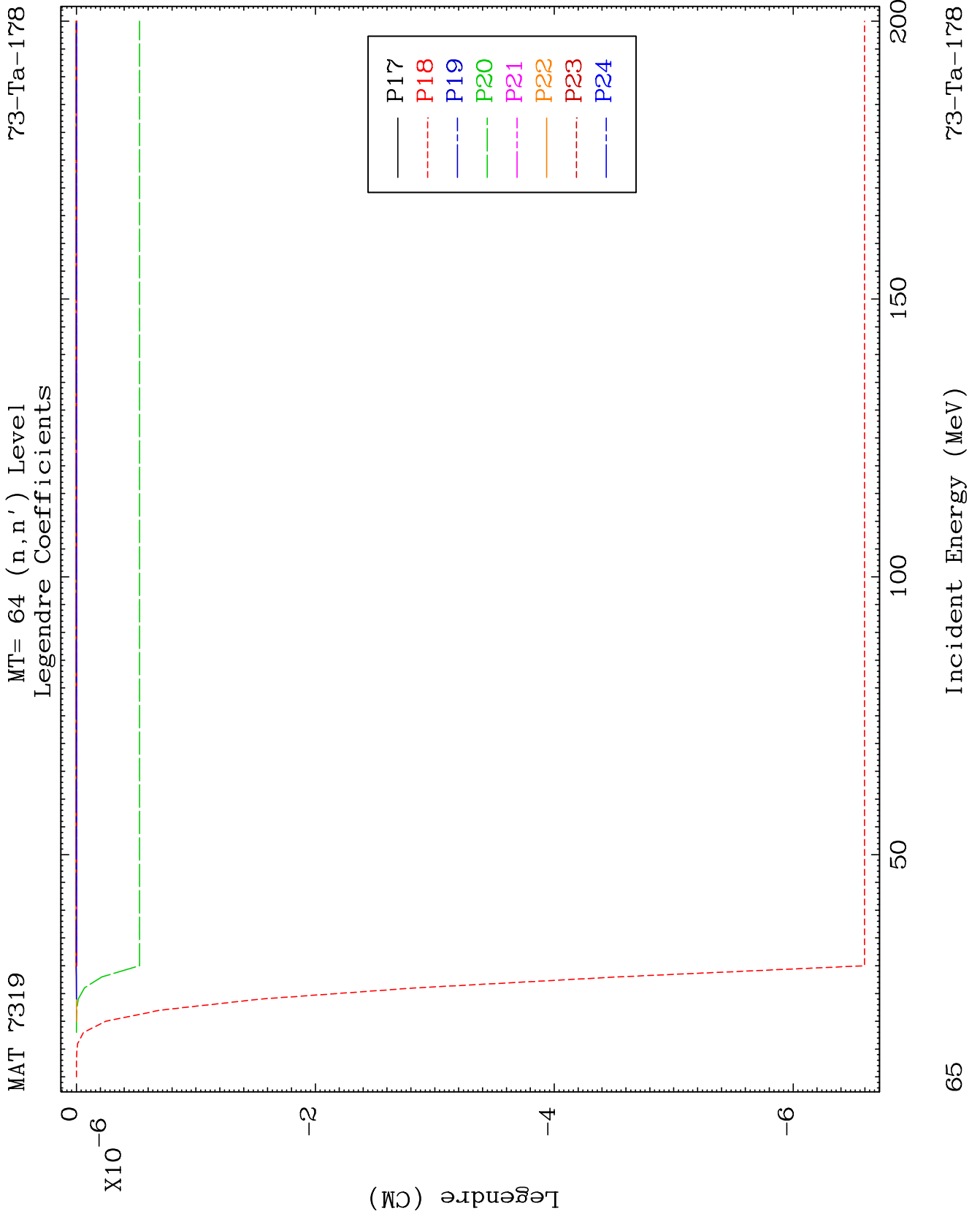
Incident Energy (MeV)

73-Ta-178





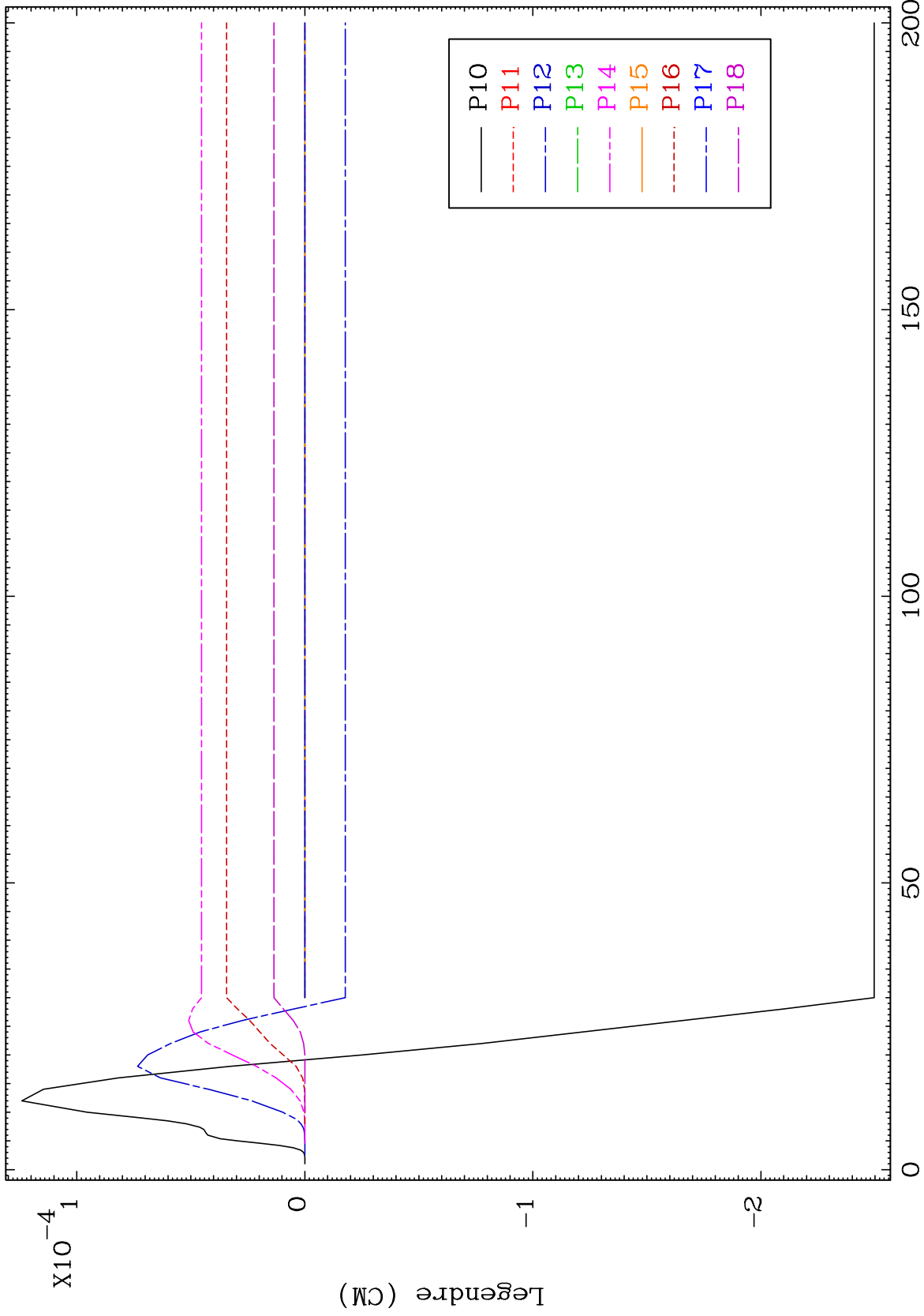




MAT 7319

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

73-Ta-178



67

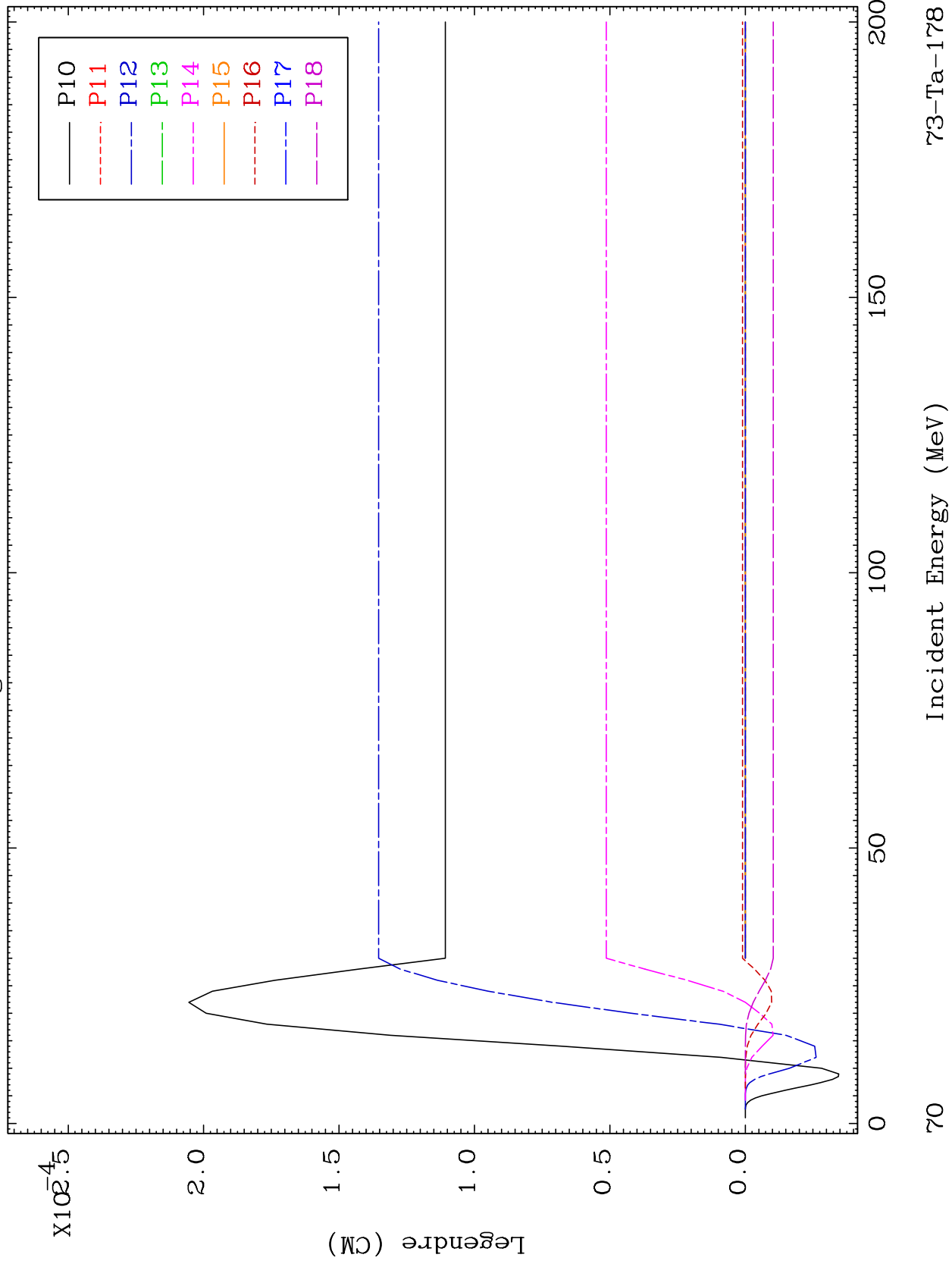
Incident Energy (MeV)

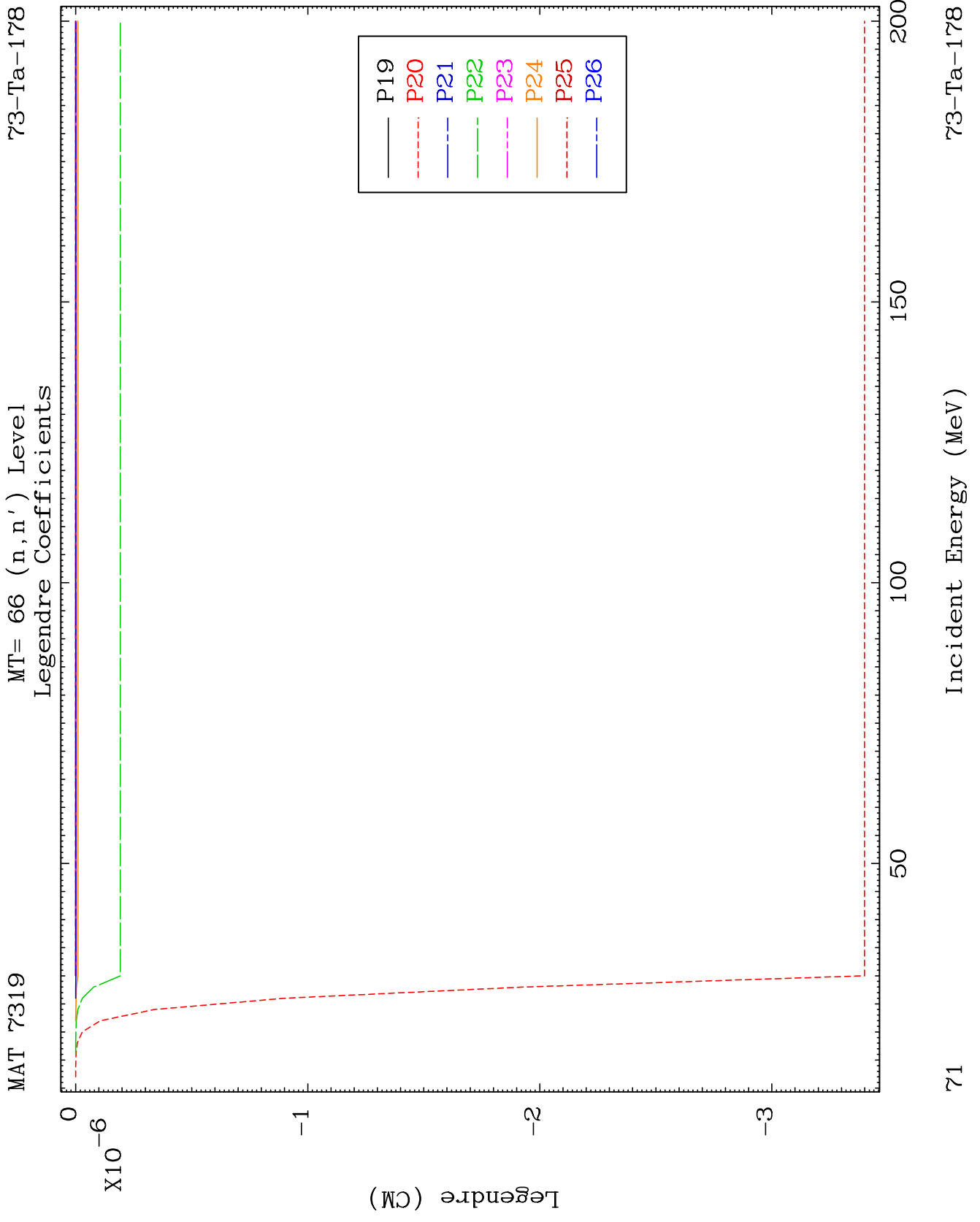
73-Ta-178

MAT 7319

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

73-Ta-178

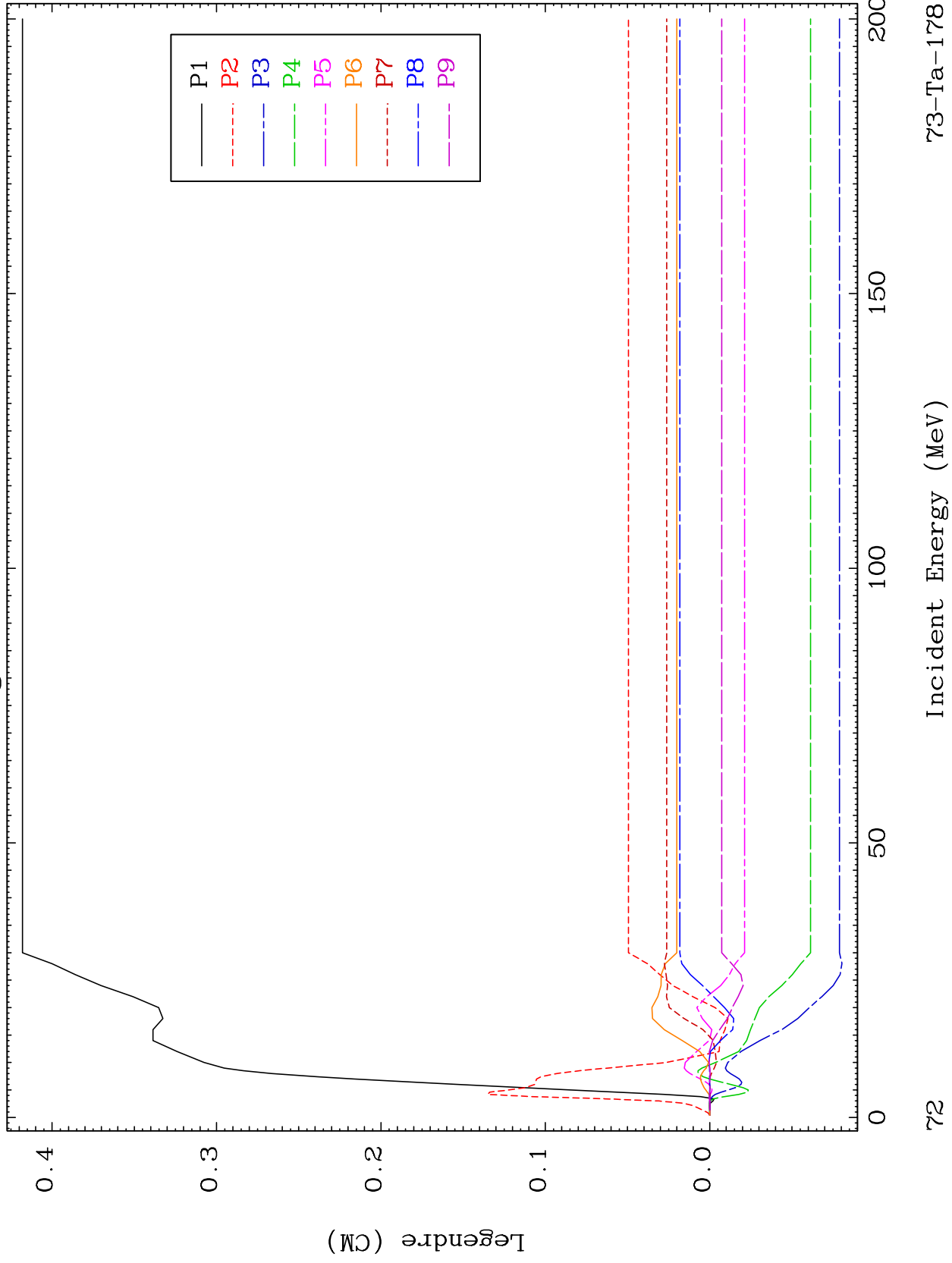




MAT 7319

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

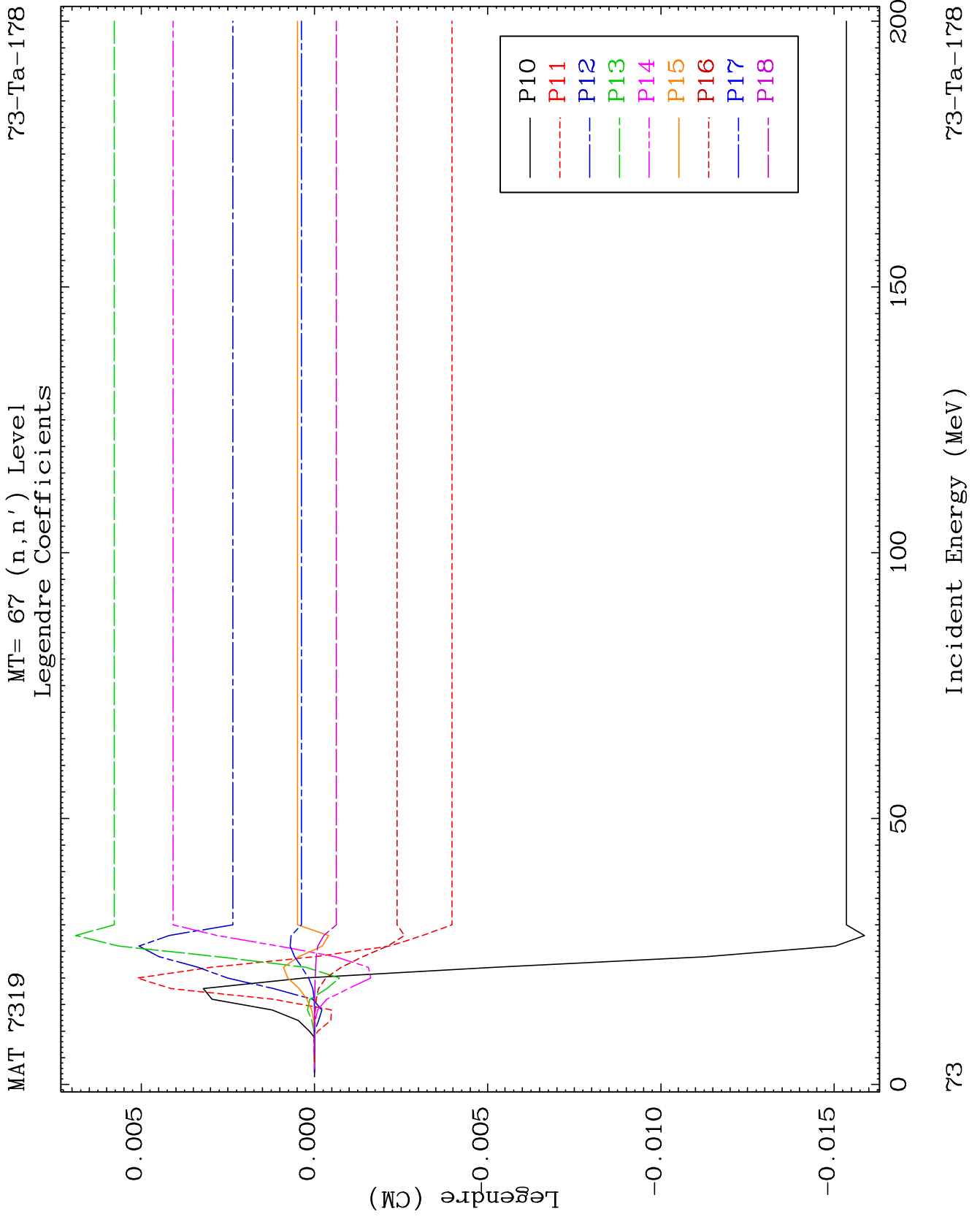
73-Ta-178



72

Incident Energy (MeV)

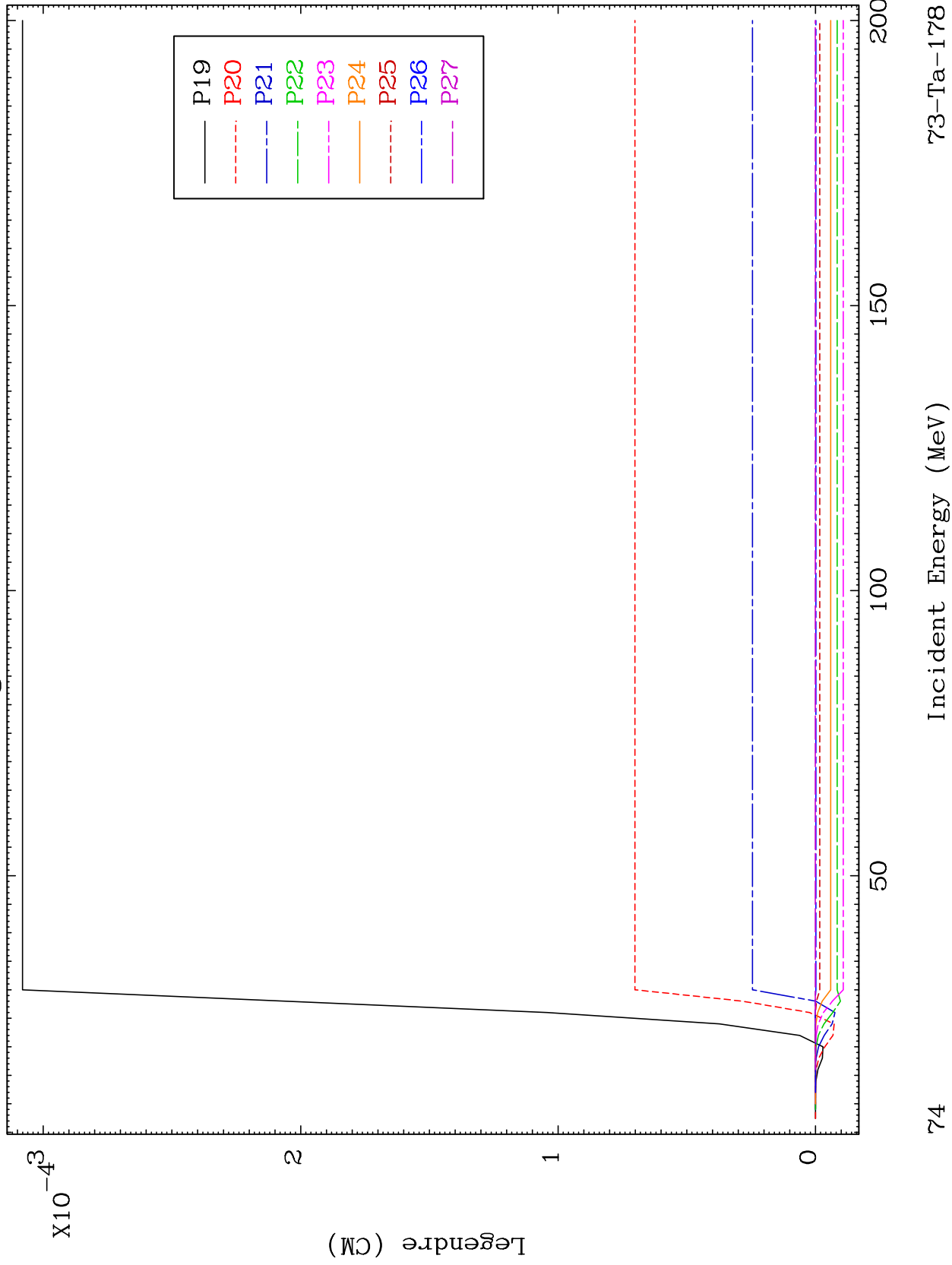
73-Ta-178



MAT 7319

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

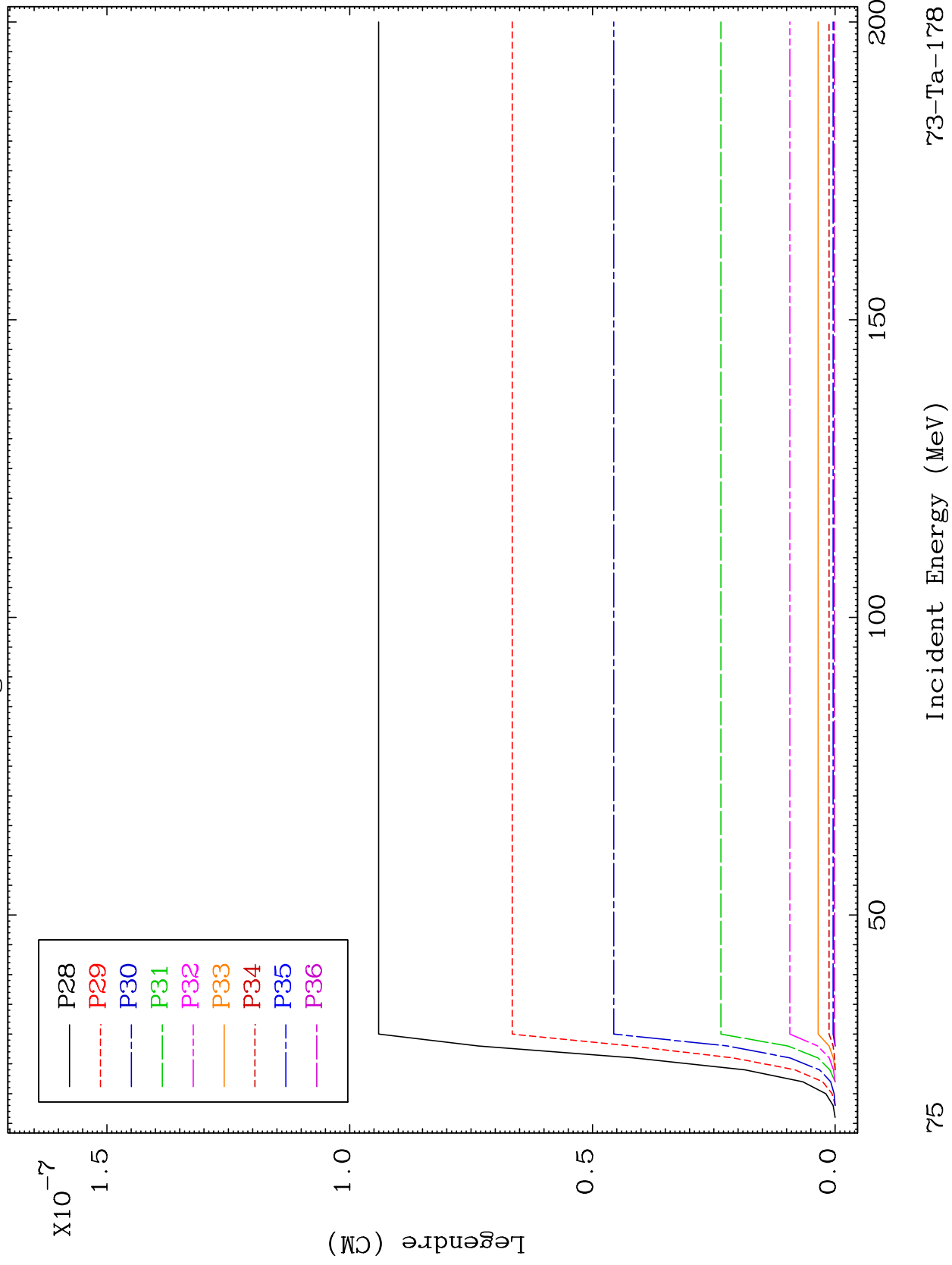
73-Ta-178



MAT 7319

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

⁷³Ta-178



75

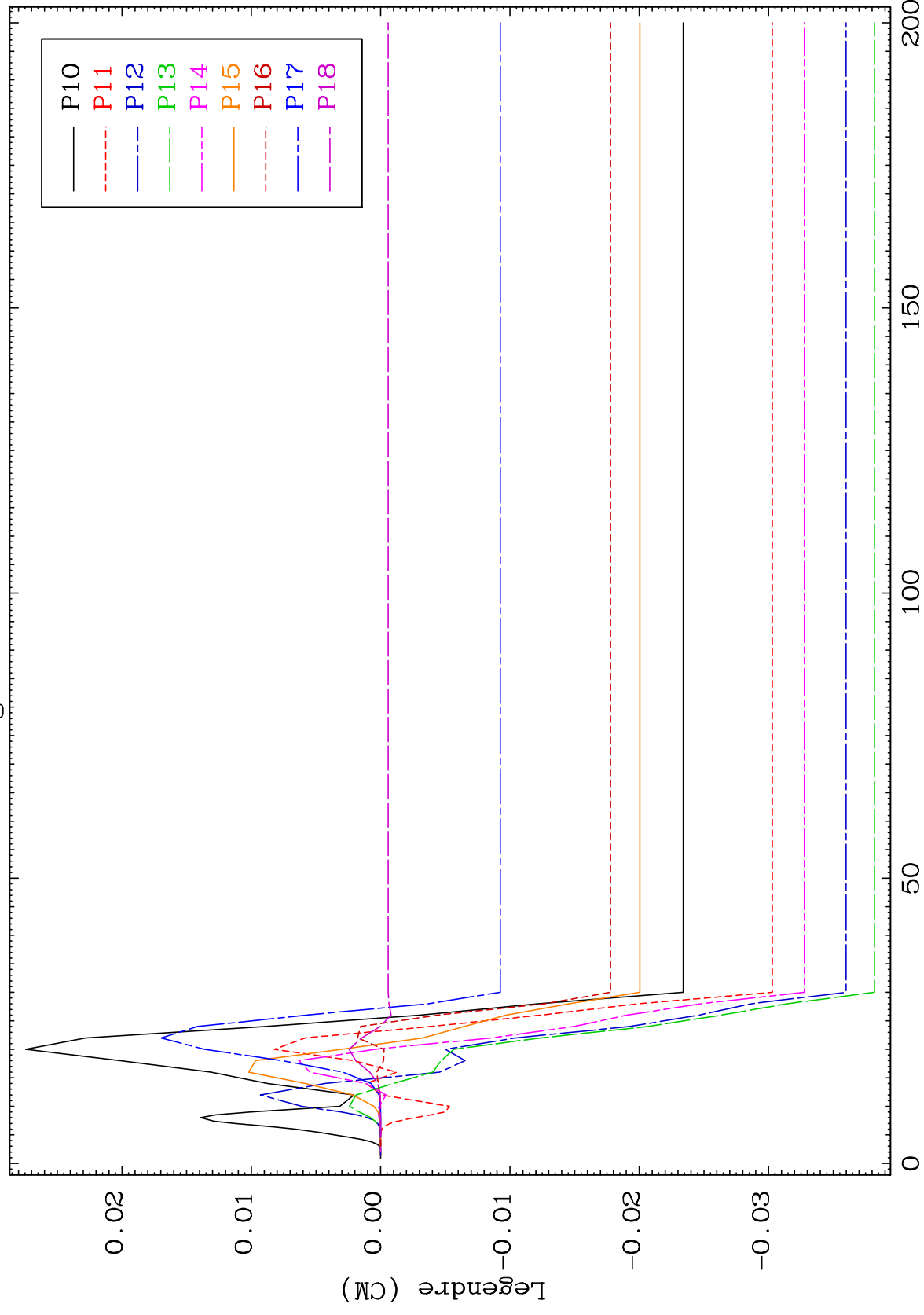
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

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

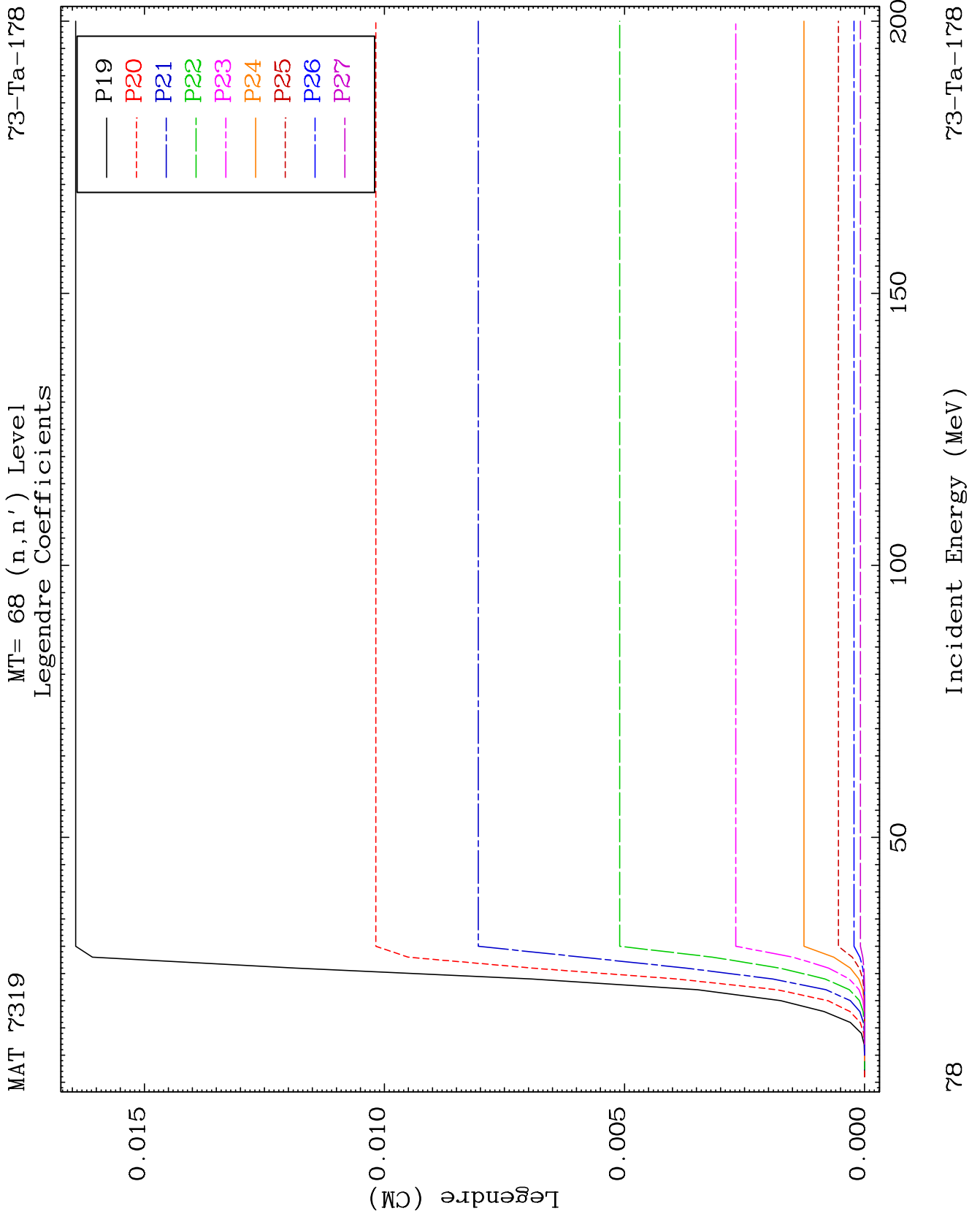
73-Ta-178



77

Incident Energy (MeV)

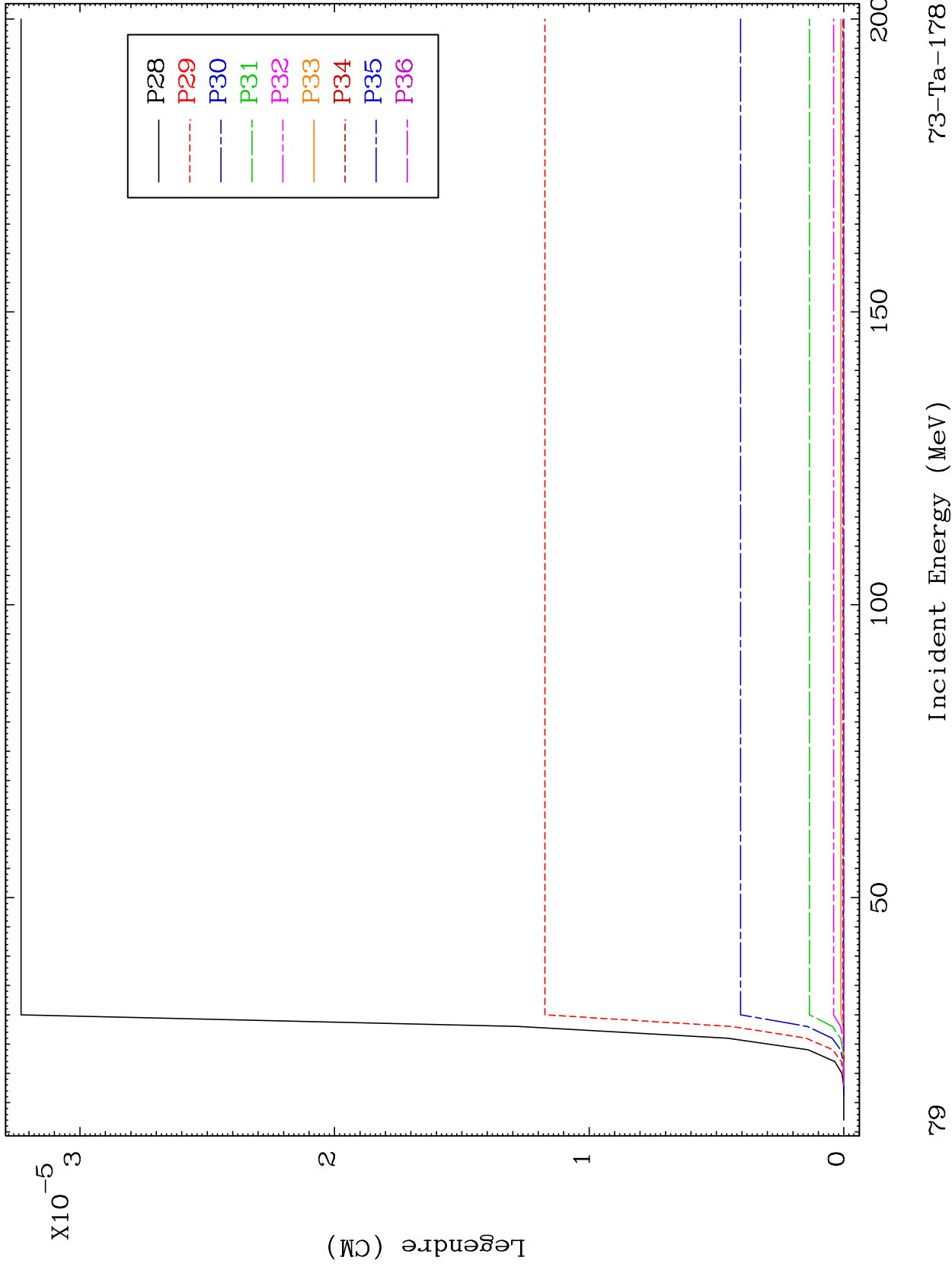
73-Ta-178



MAT 7319

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

73-Ta-178



79

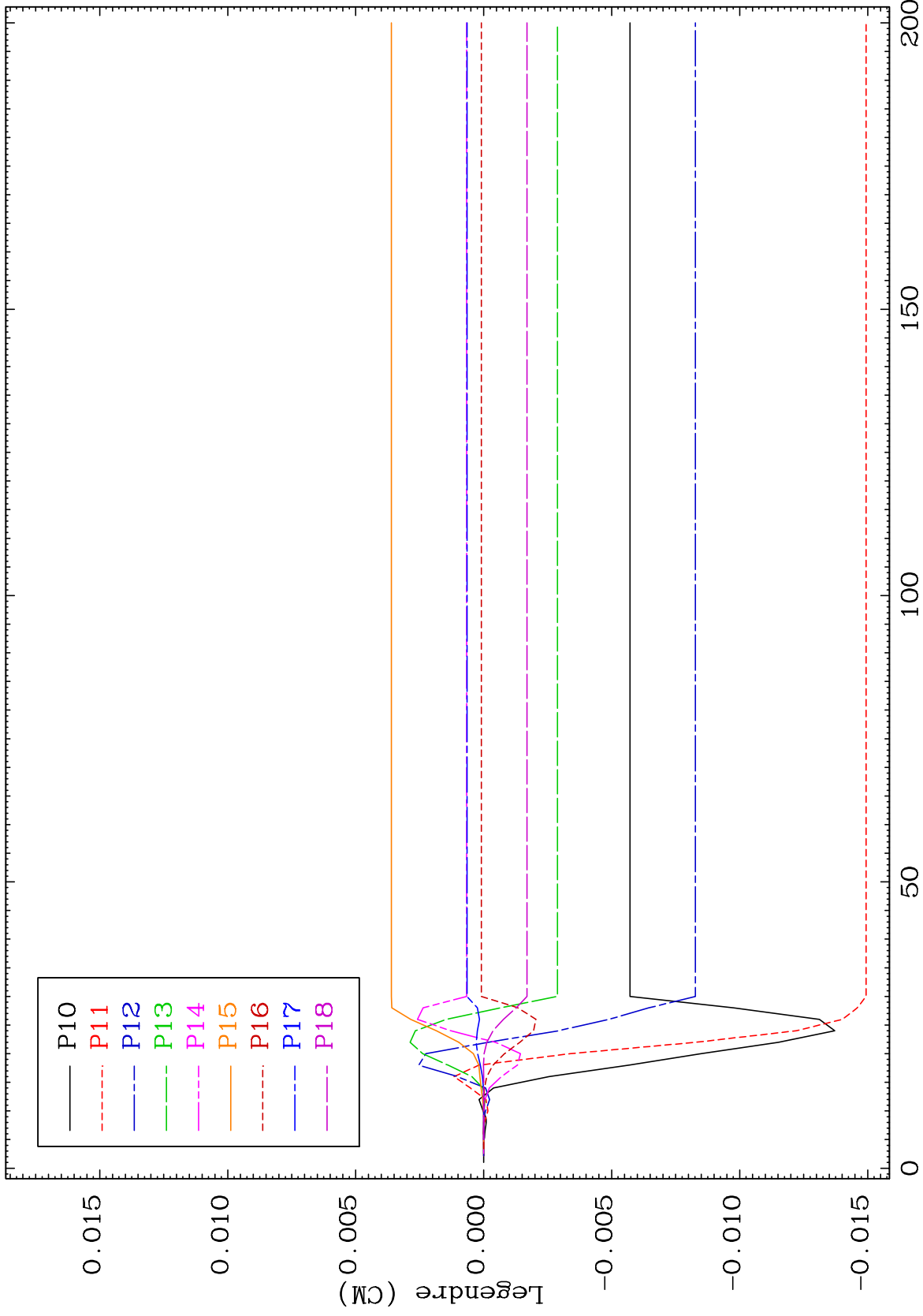
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



81

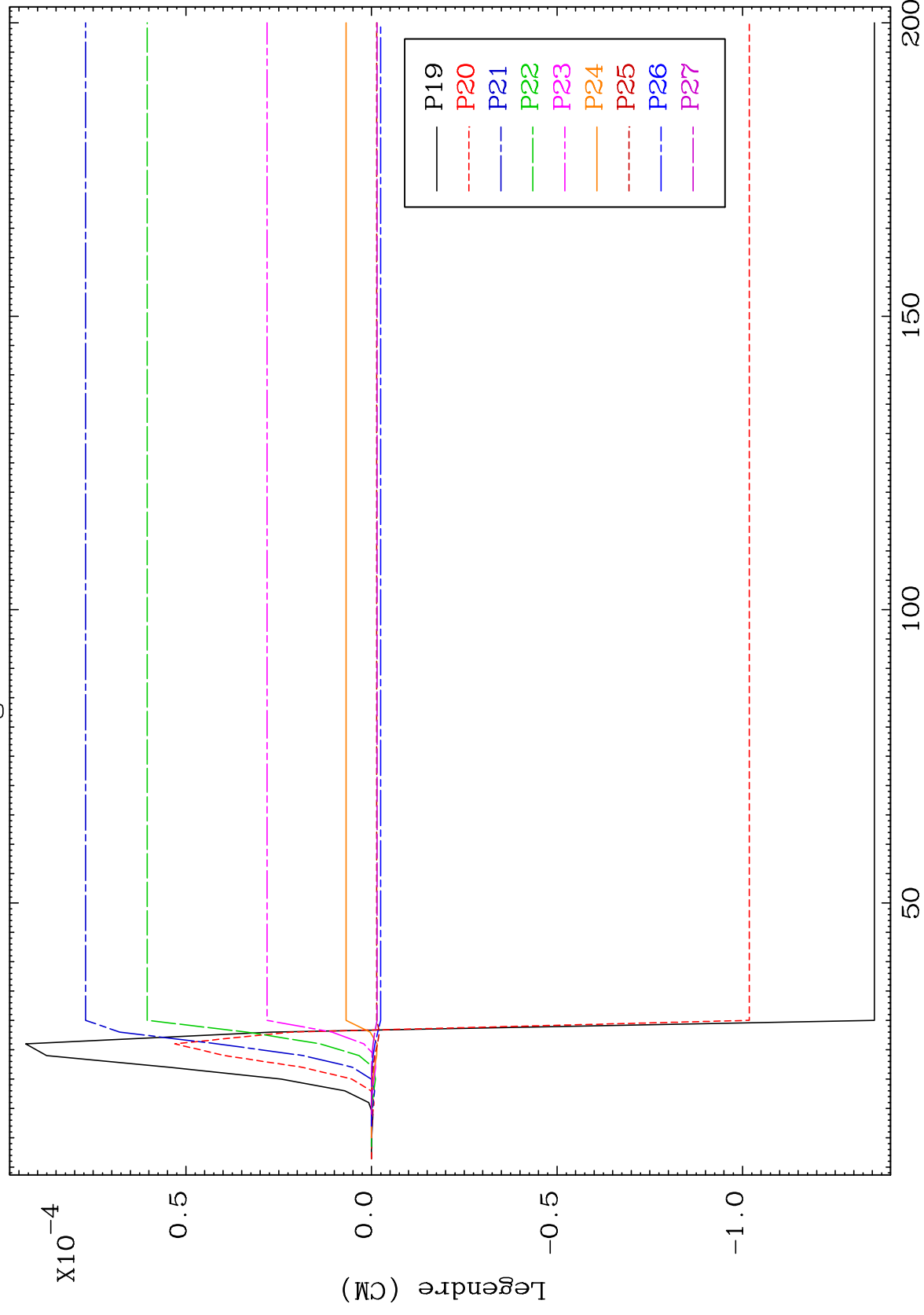
Incident Energy (MeV)

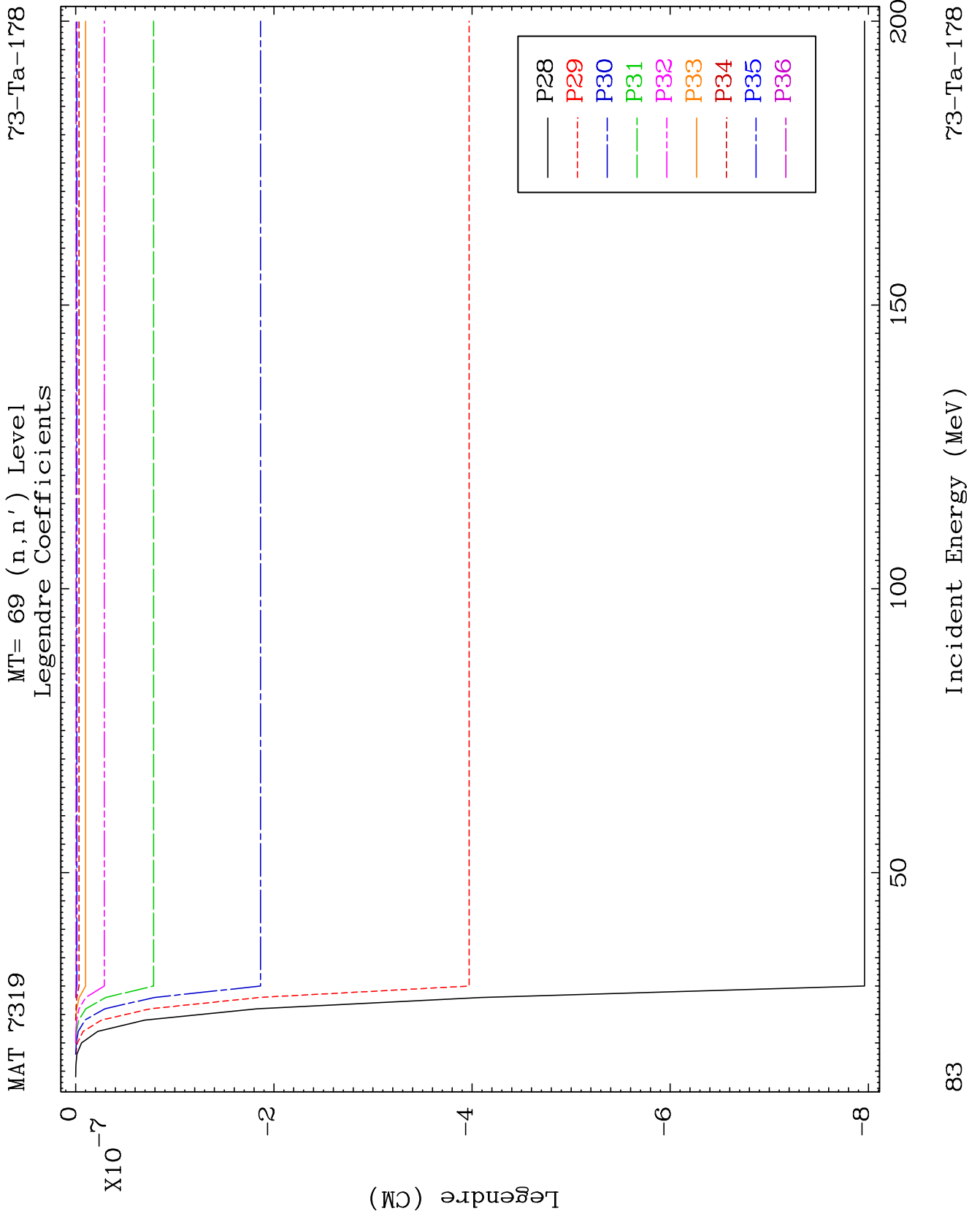
73-Ta-178

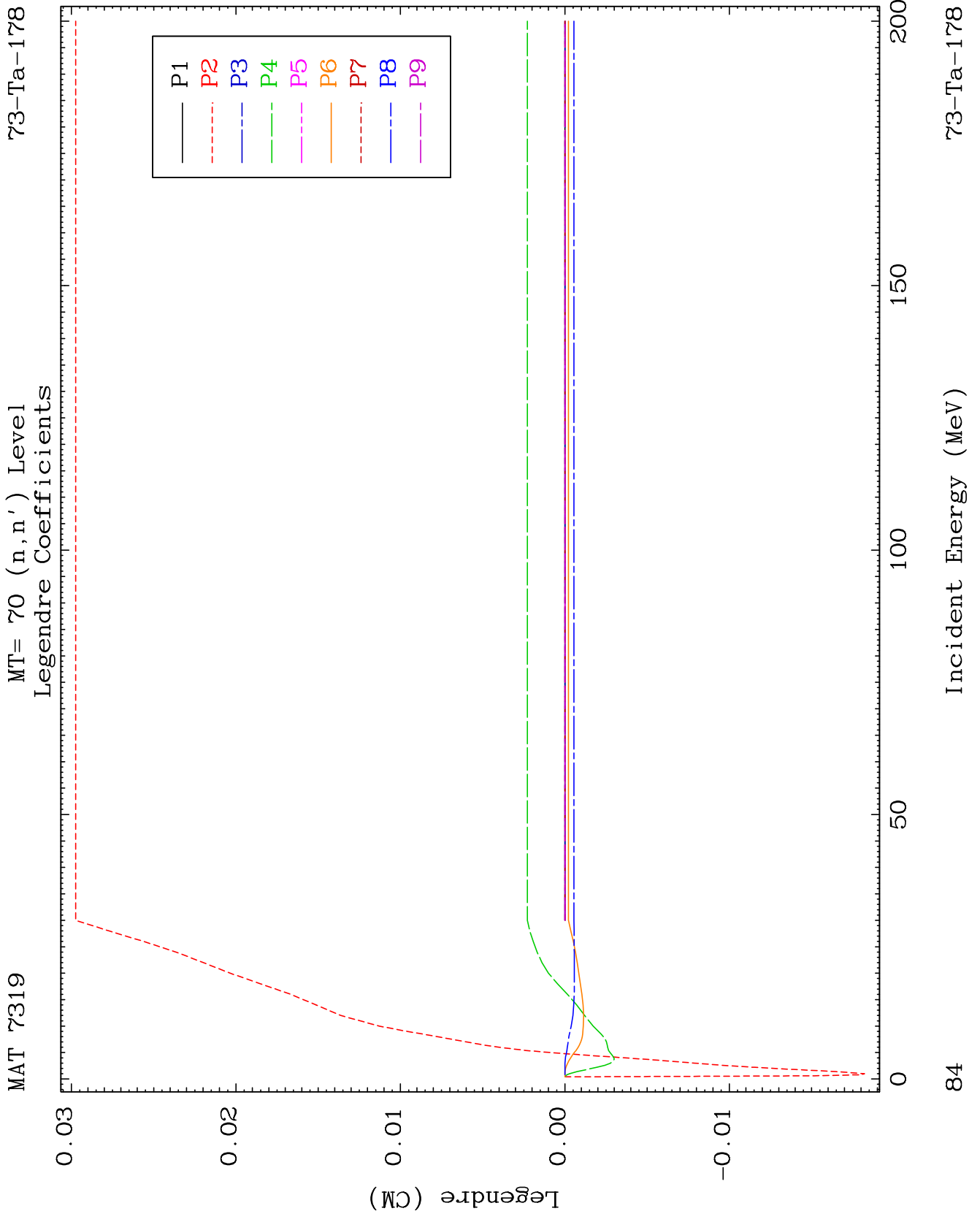
MAT 7319

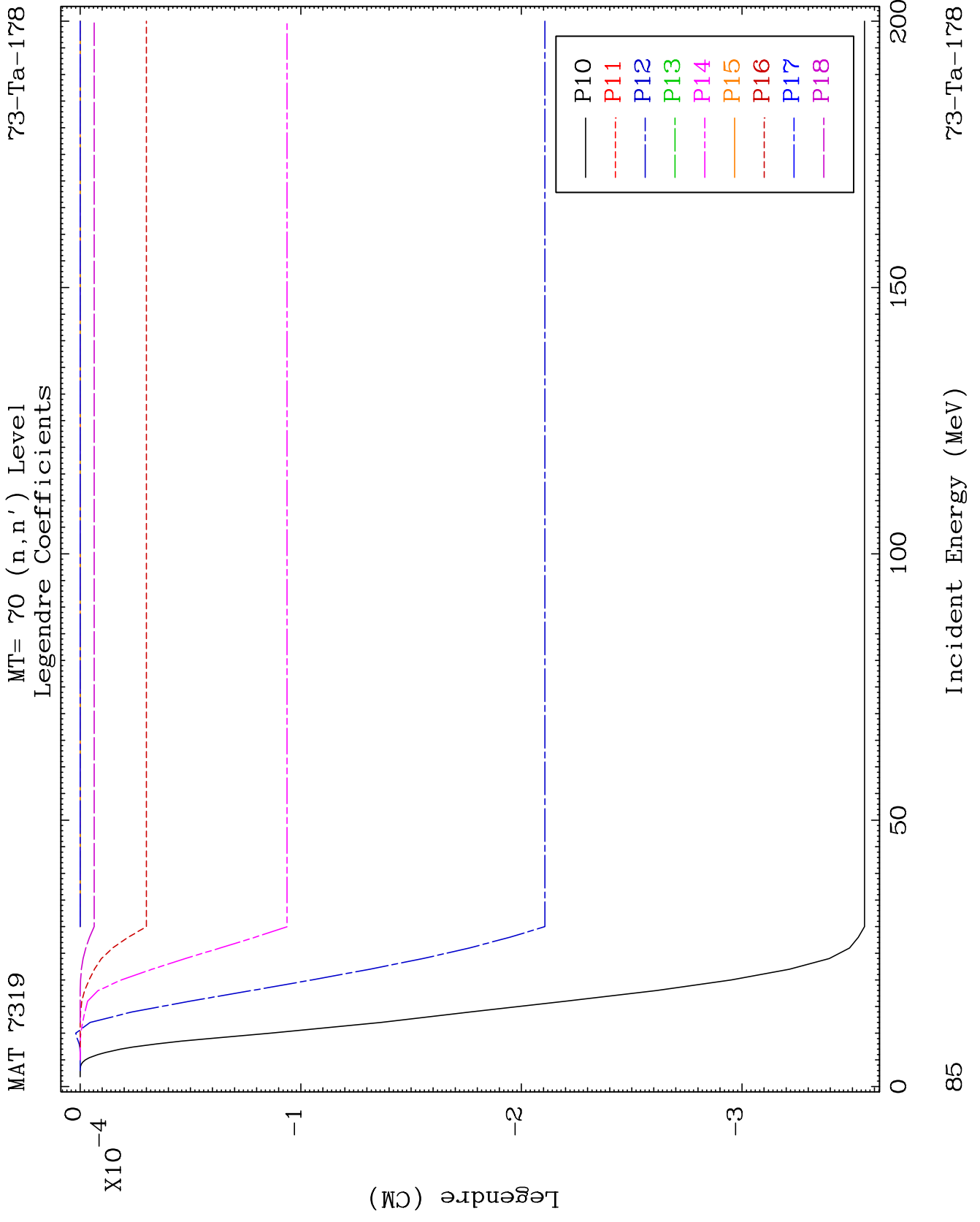
MT= 69 (n,n') Level
Legendre Coefficients

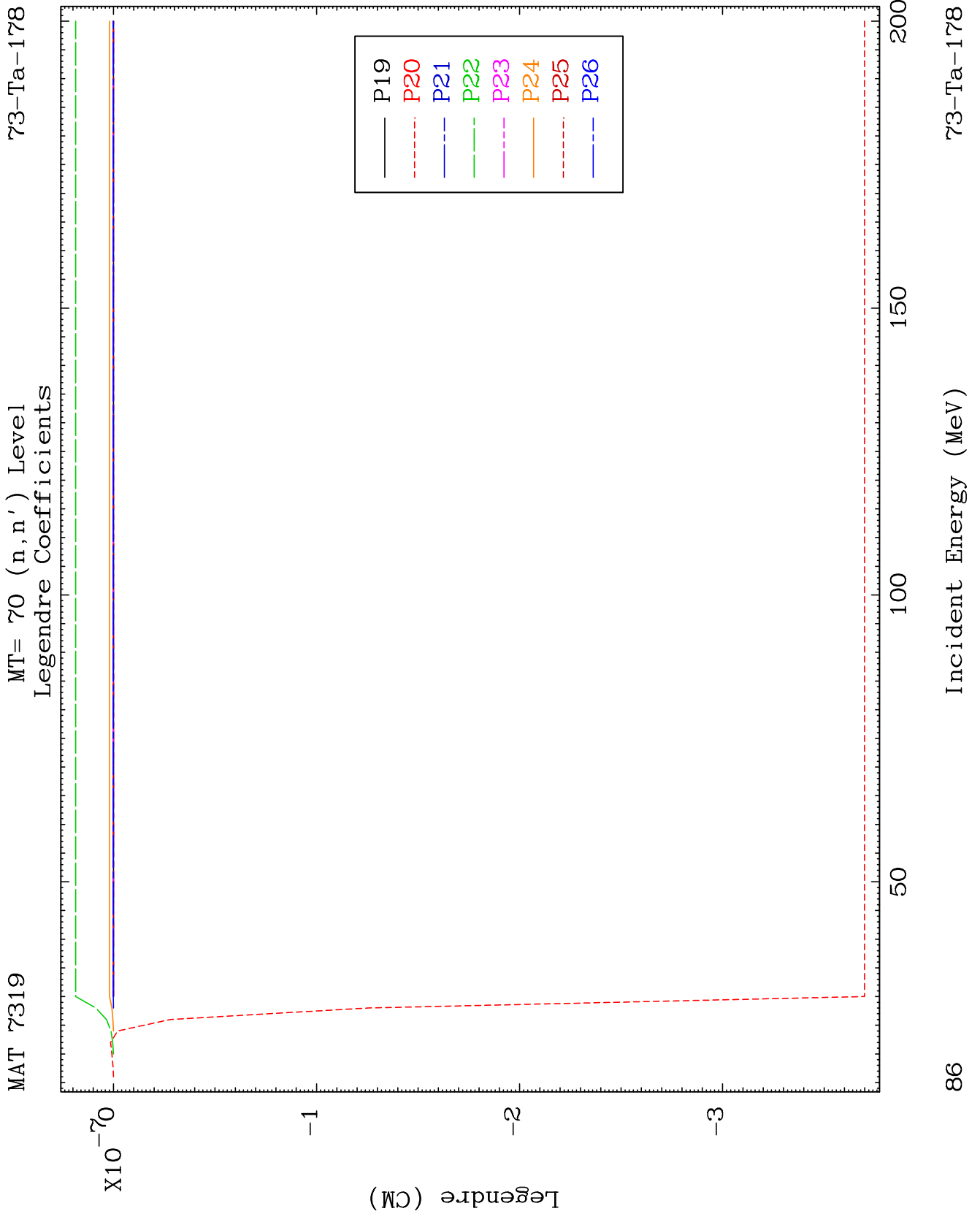
73-Ta-178







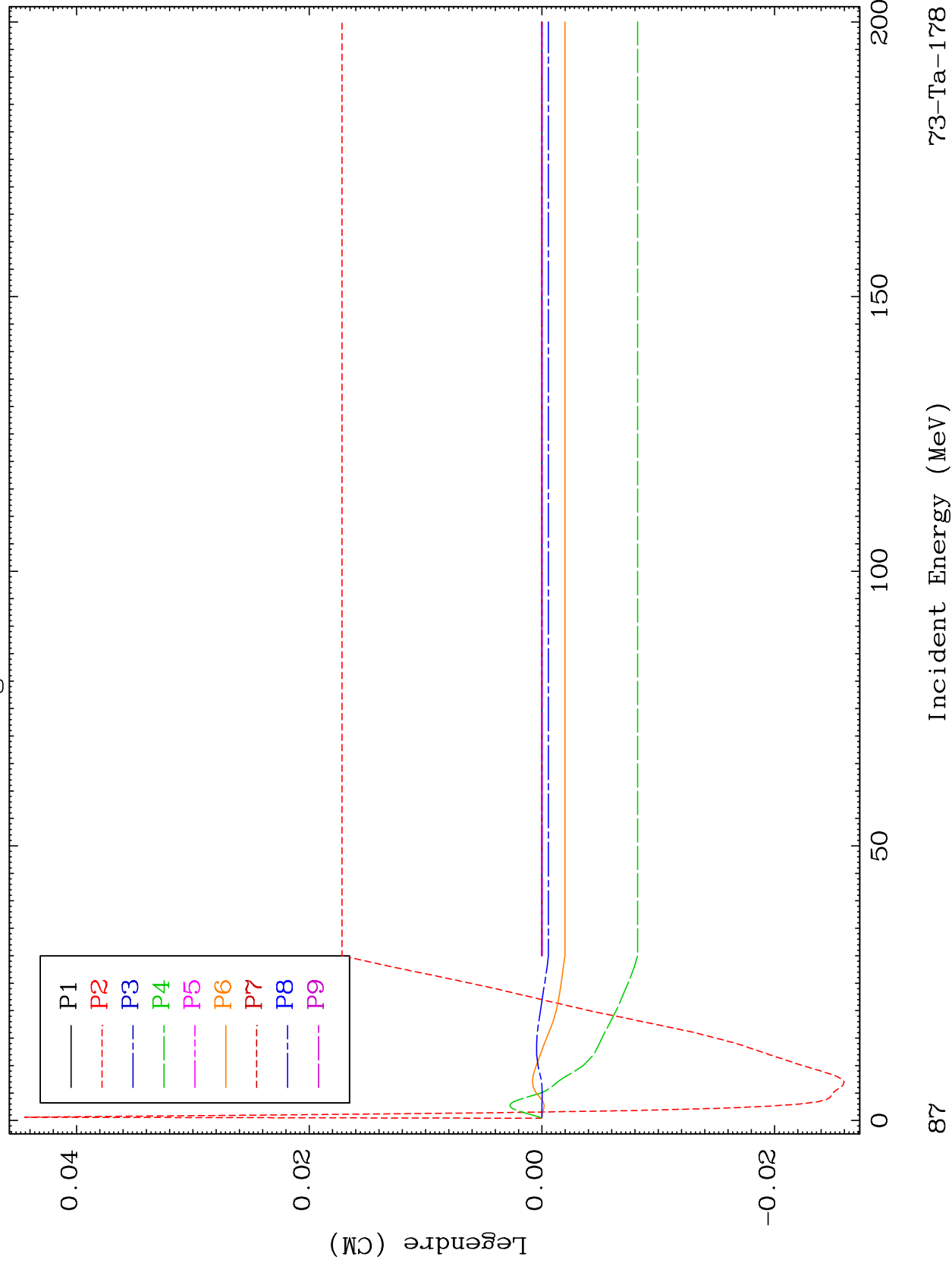




MAT 7319

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

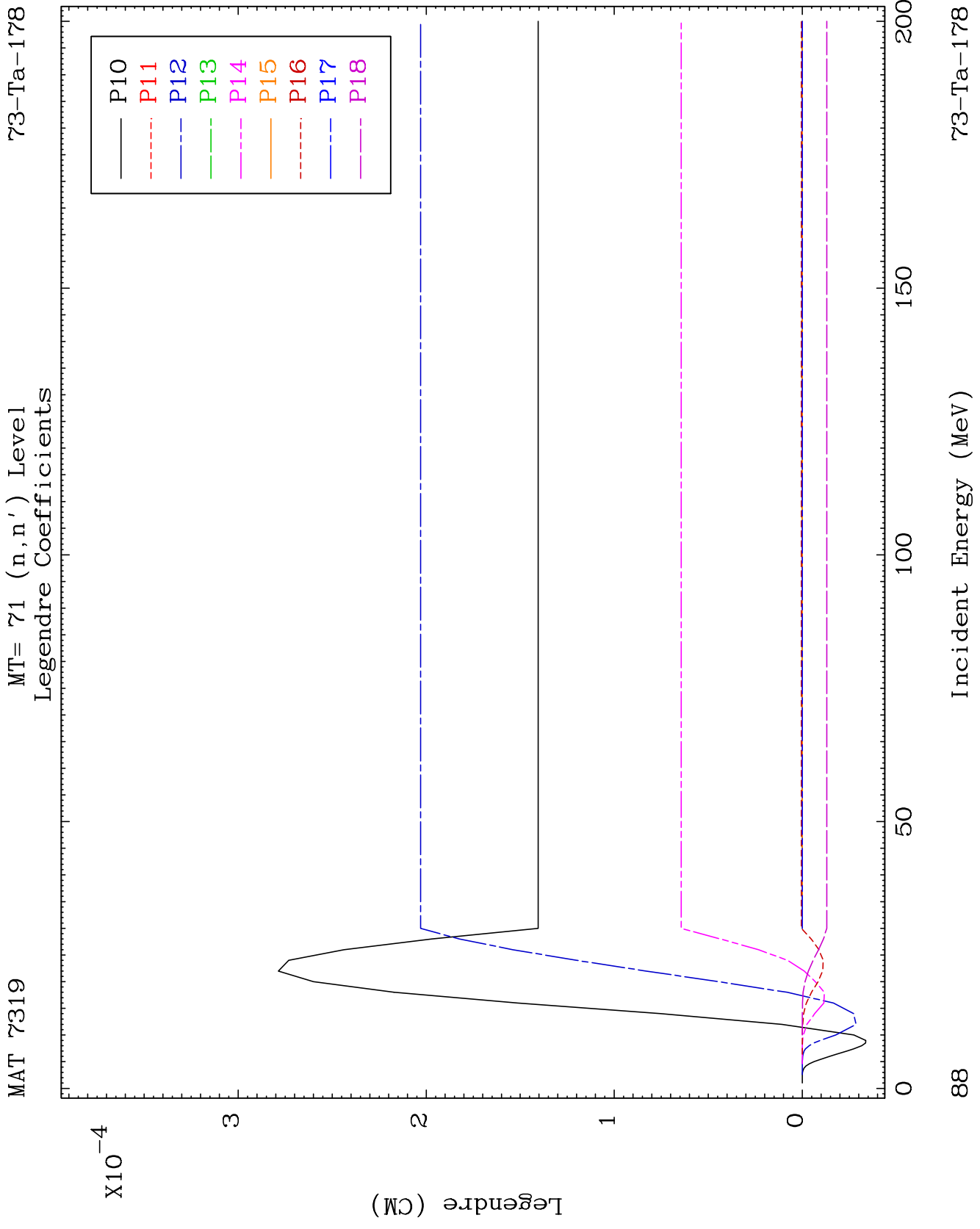
73-Ta-178

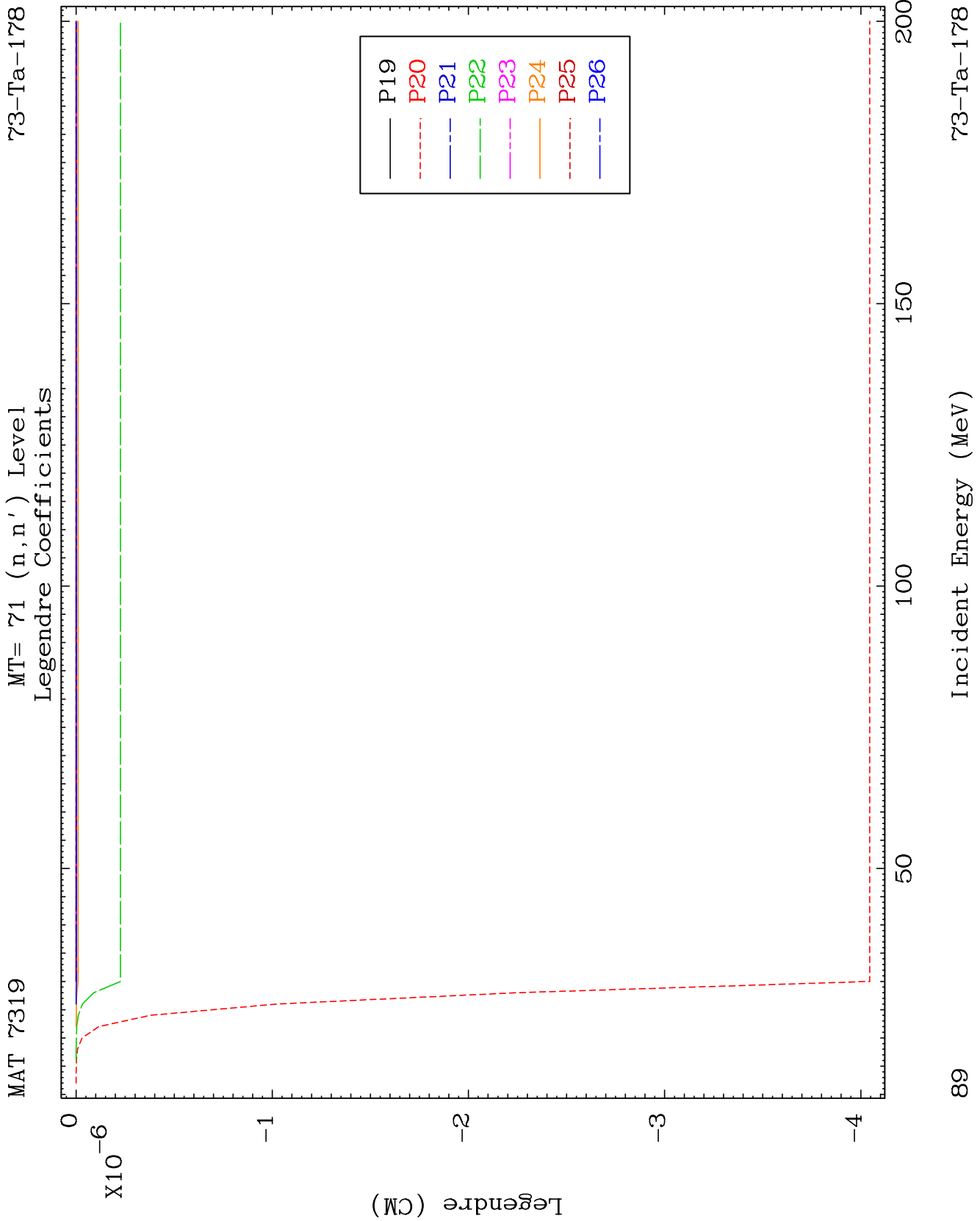


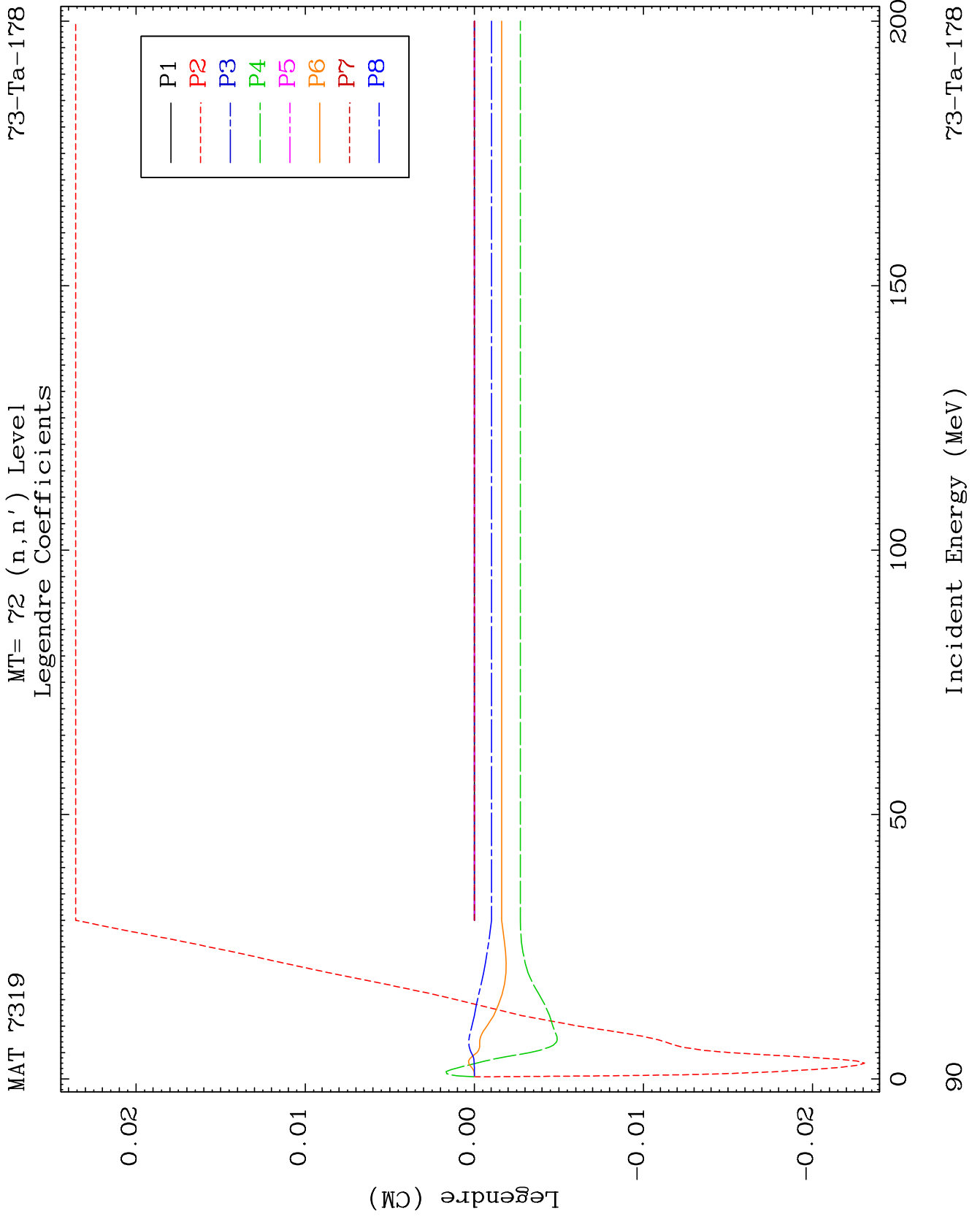
87

Incident Energy (MeV)

73-Ta-178



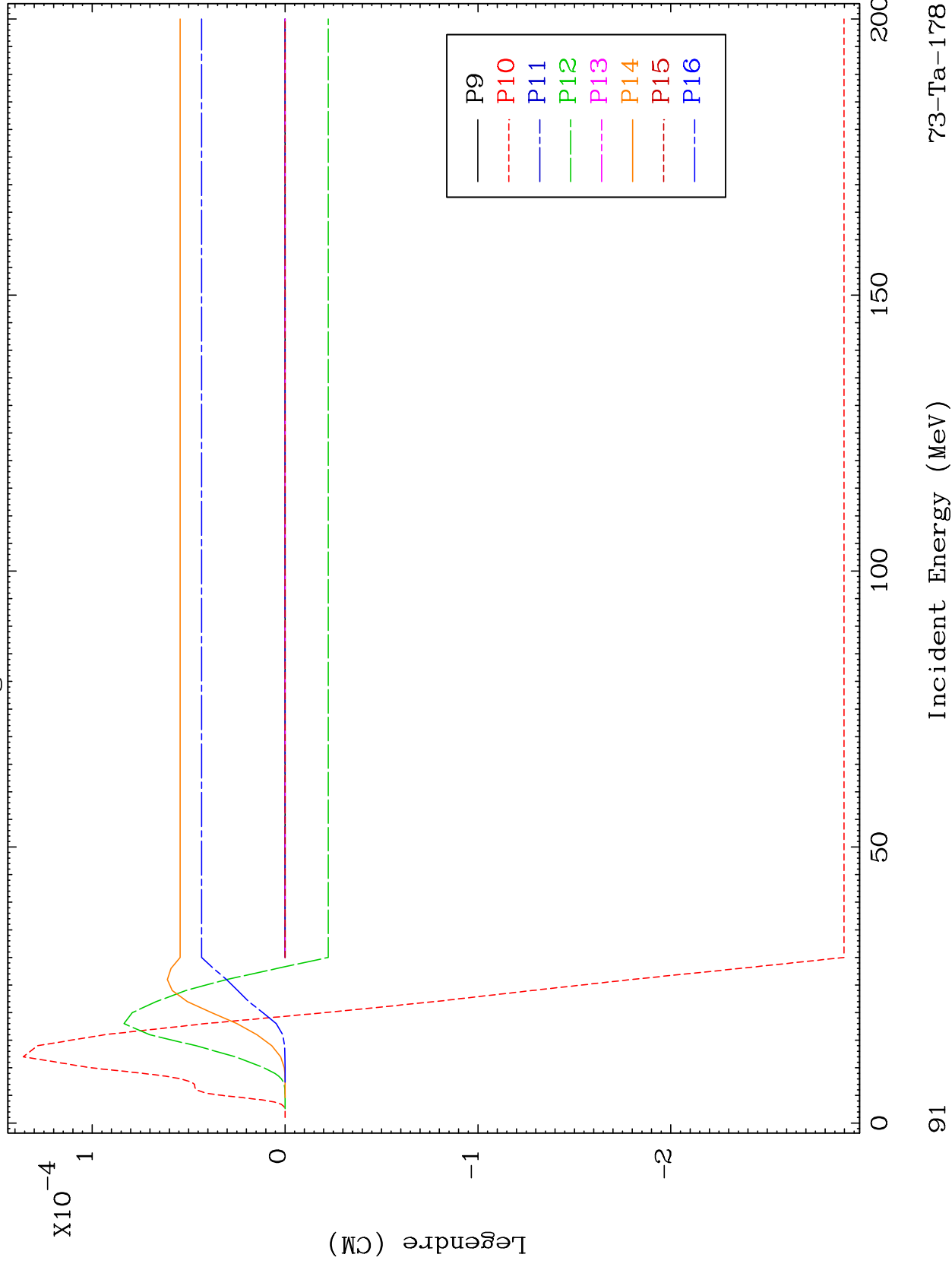




MAT 7319

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

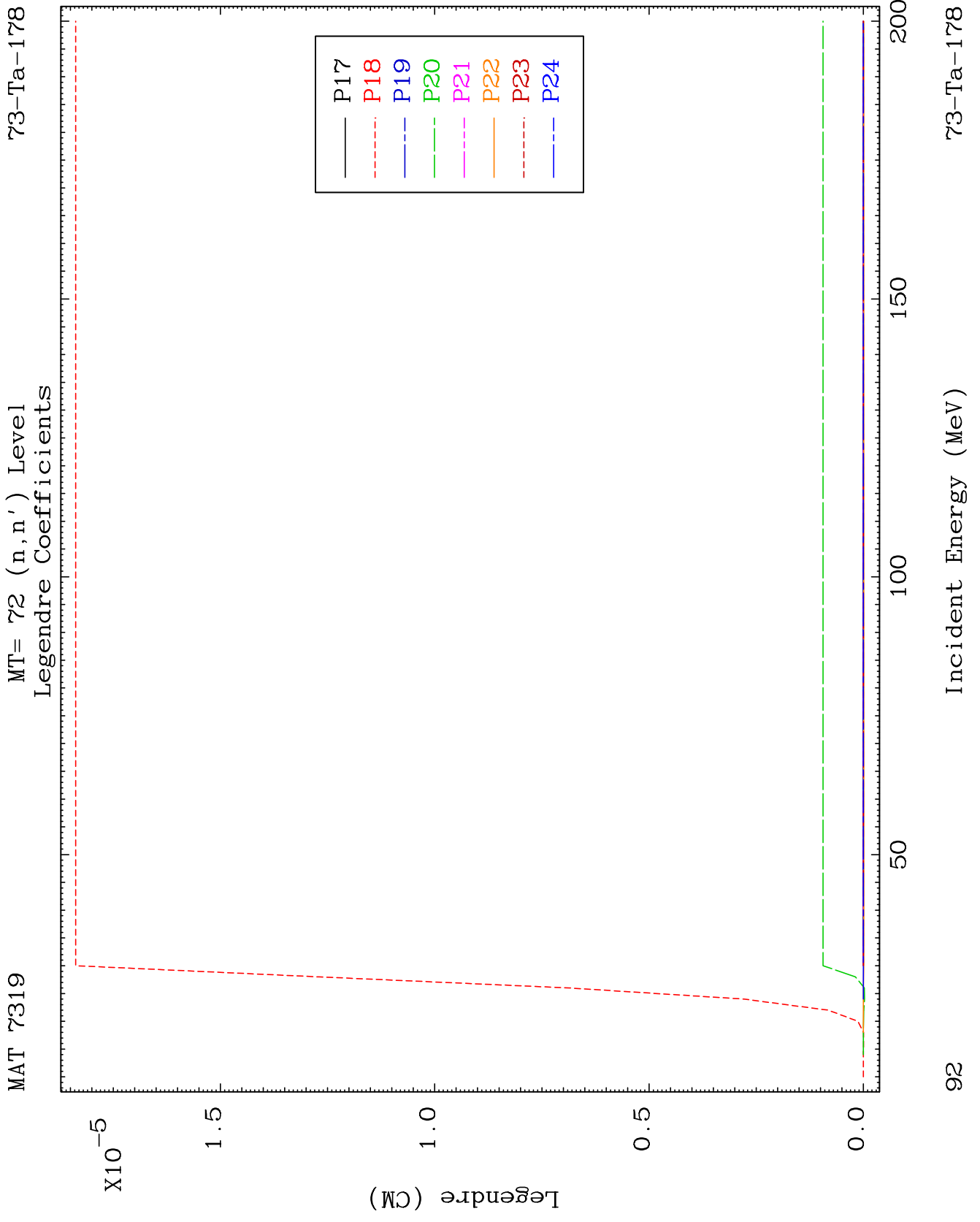
73-Ta-178

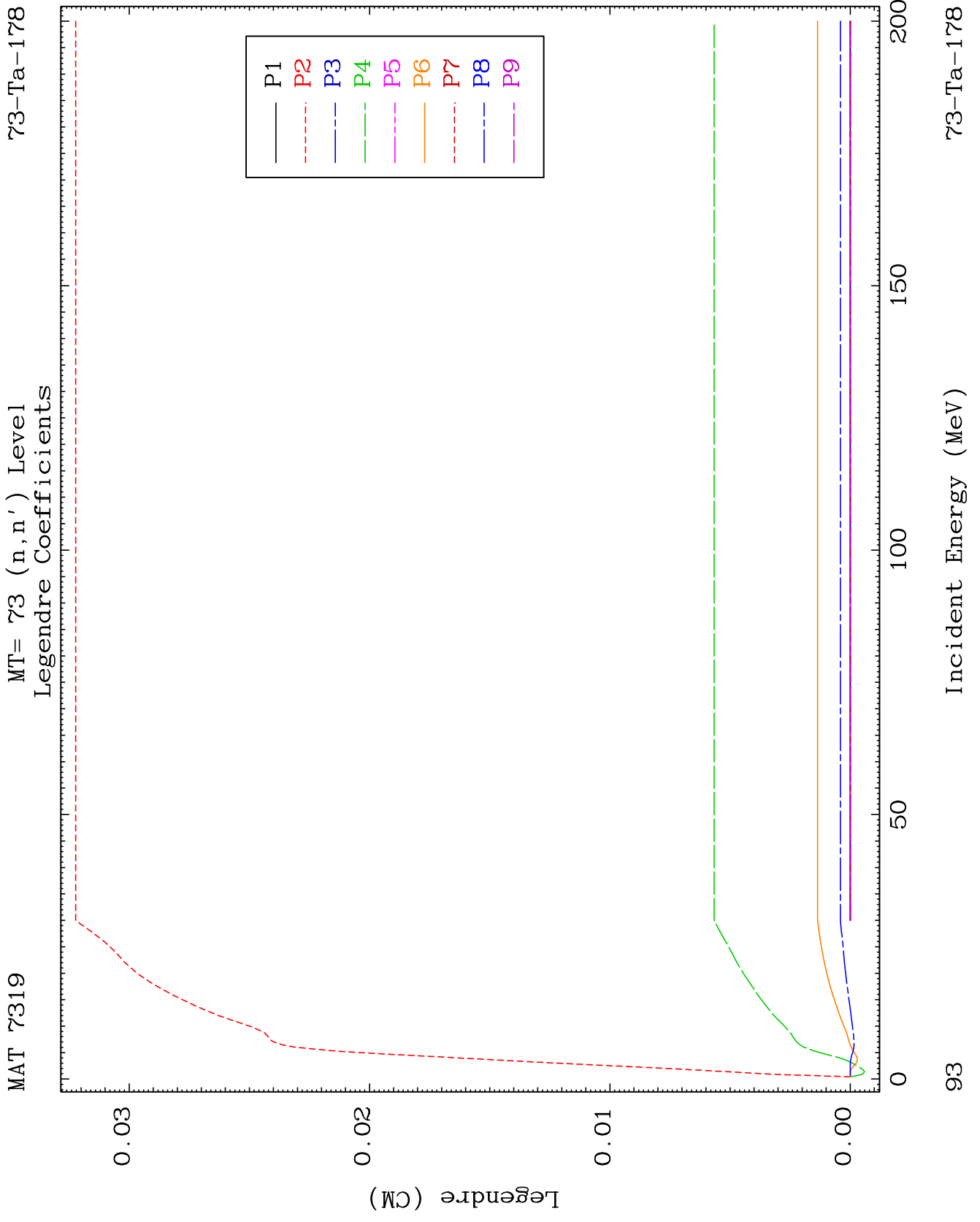


91

Incident Energy (MeV)

73-Ta-178

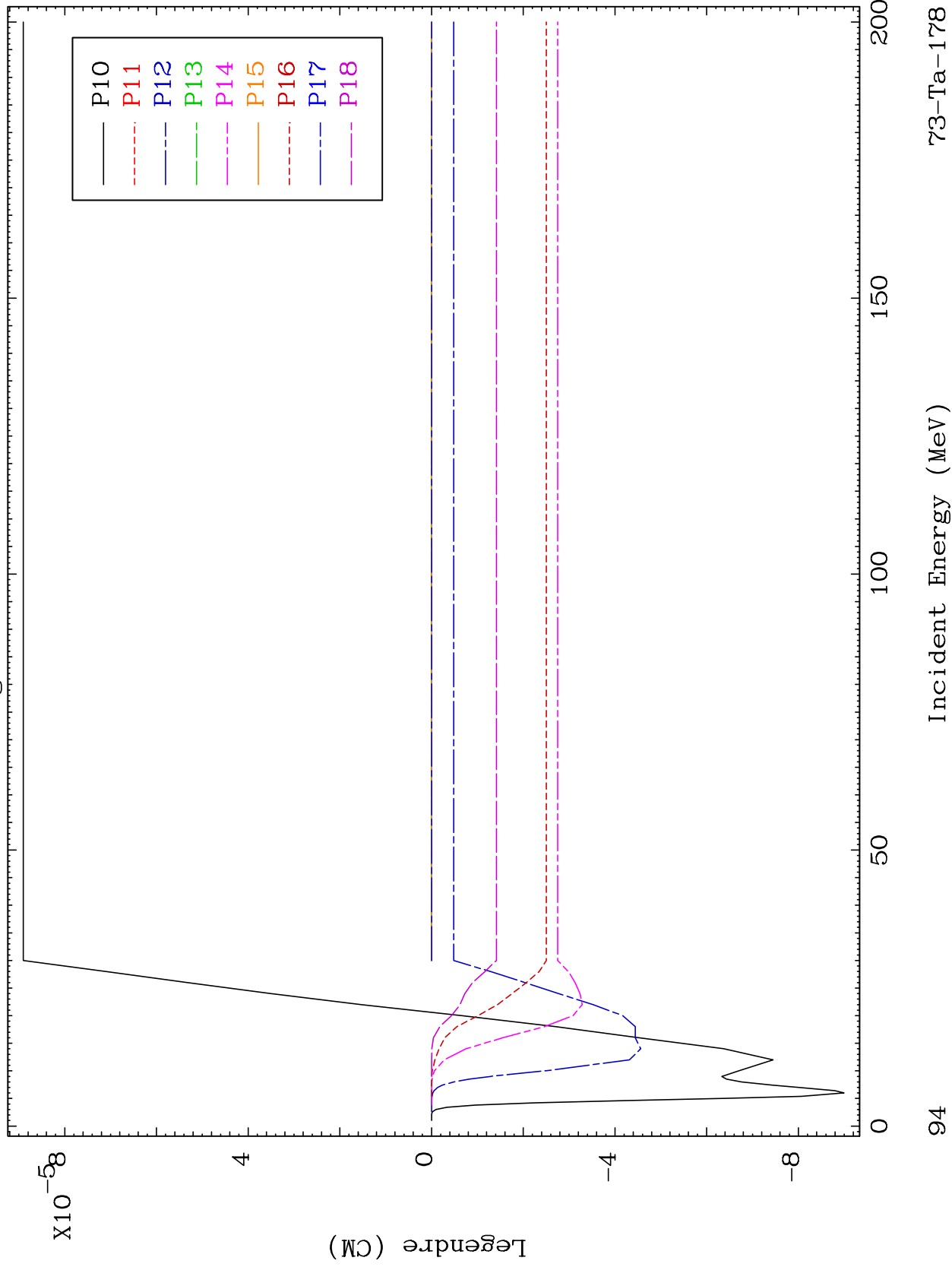




MAT 7319

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

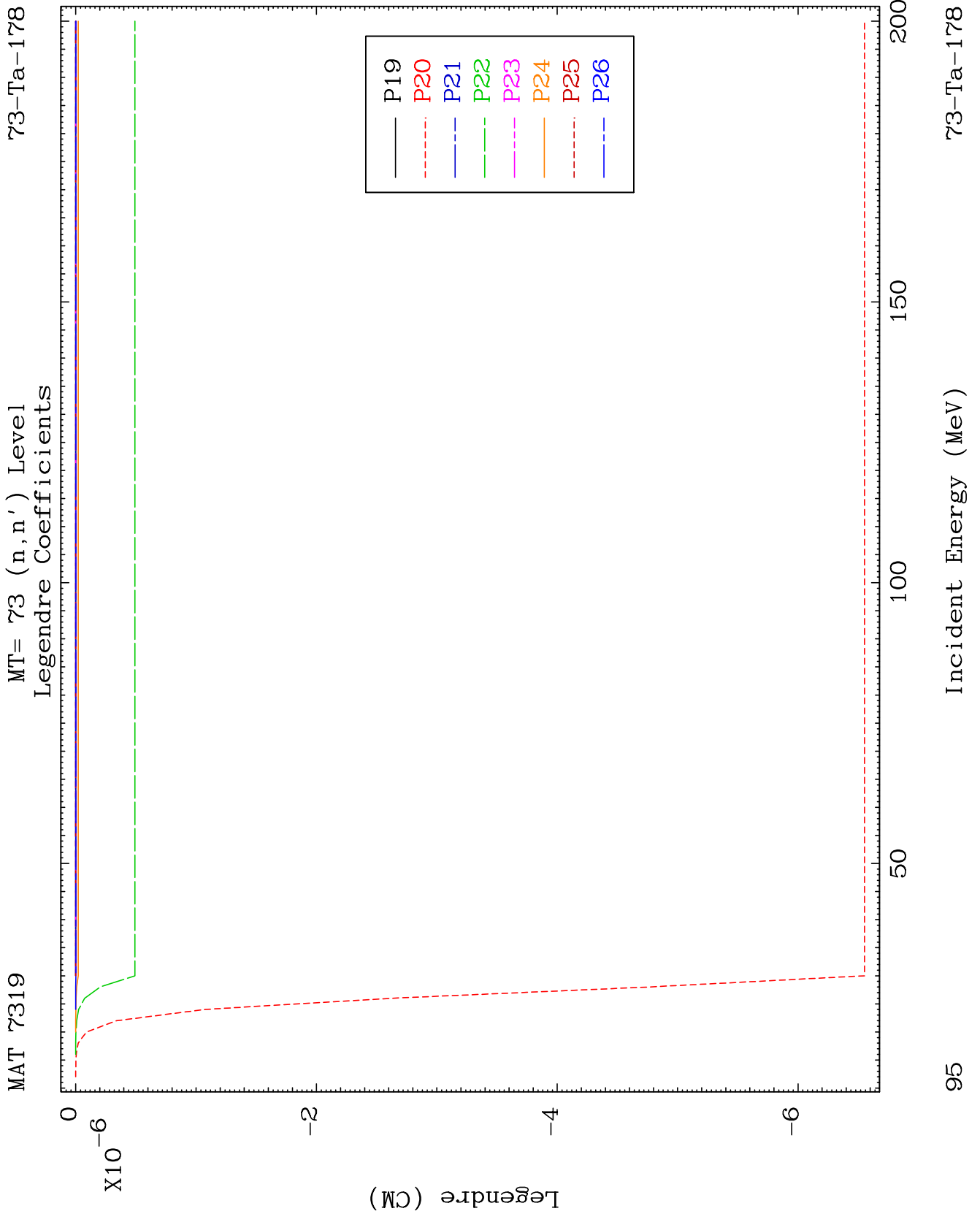
73-Ta-178



94

Incident Energy (MeV)

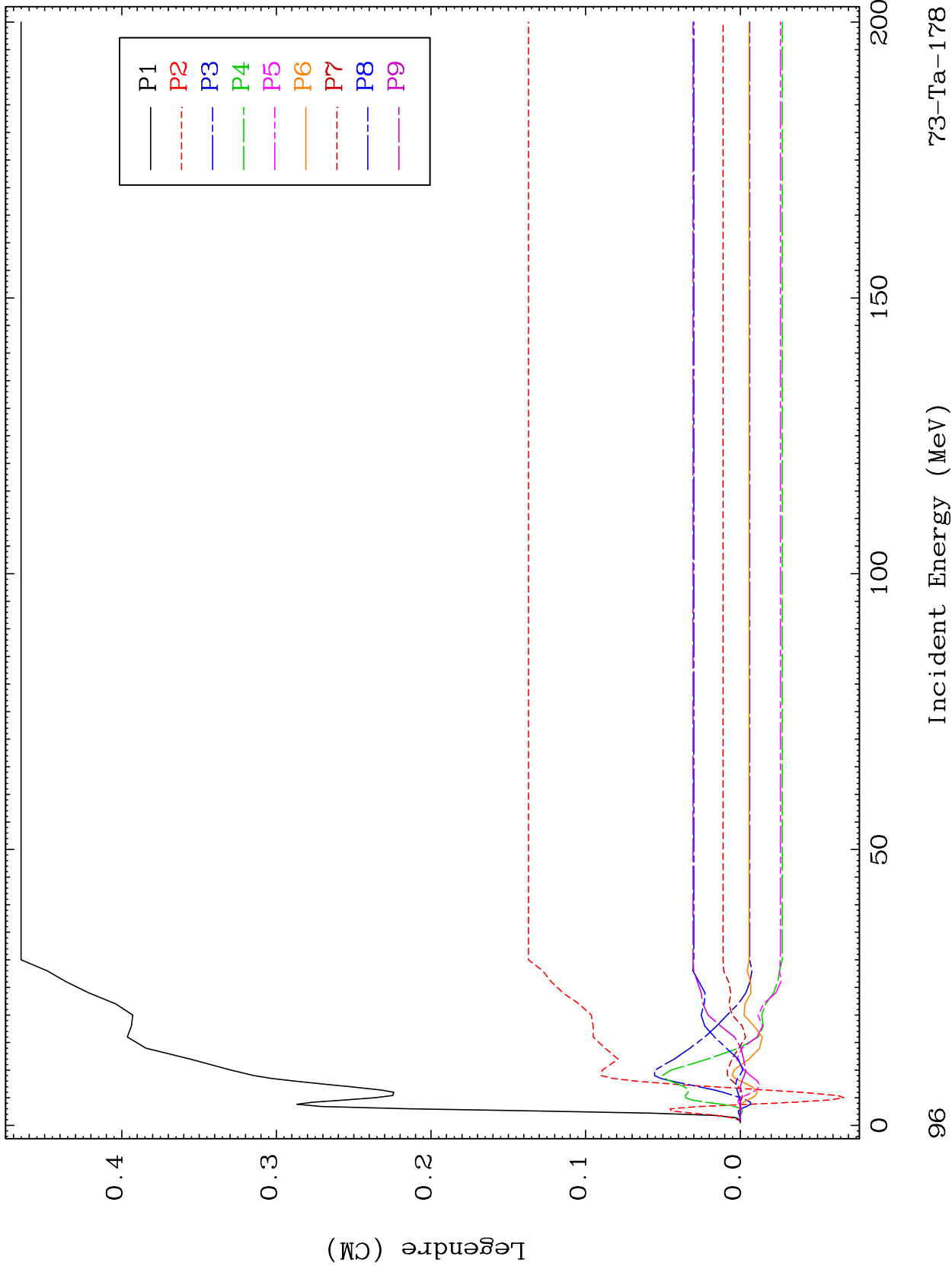
73-Ta-178



MAT 7319

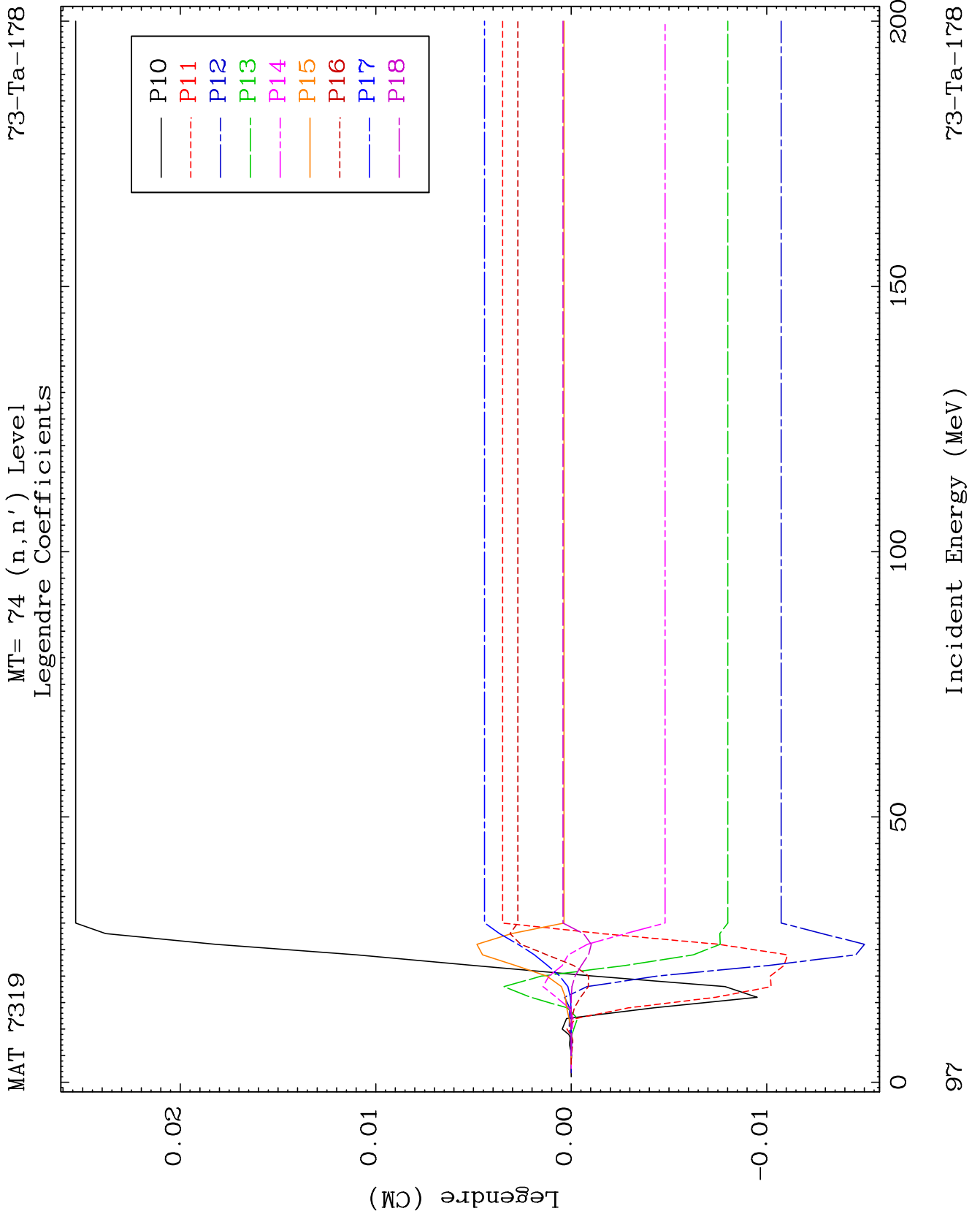
MT= 74 (n,n') Level
Legendre Coefficients

73-Ta-178



96

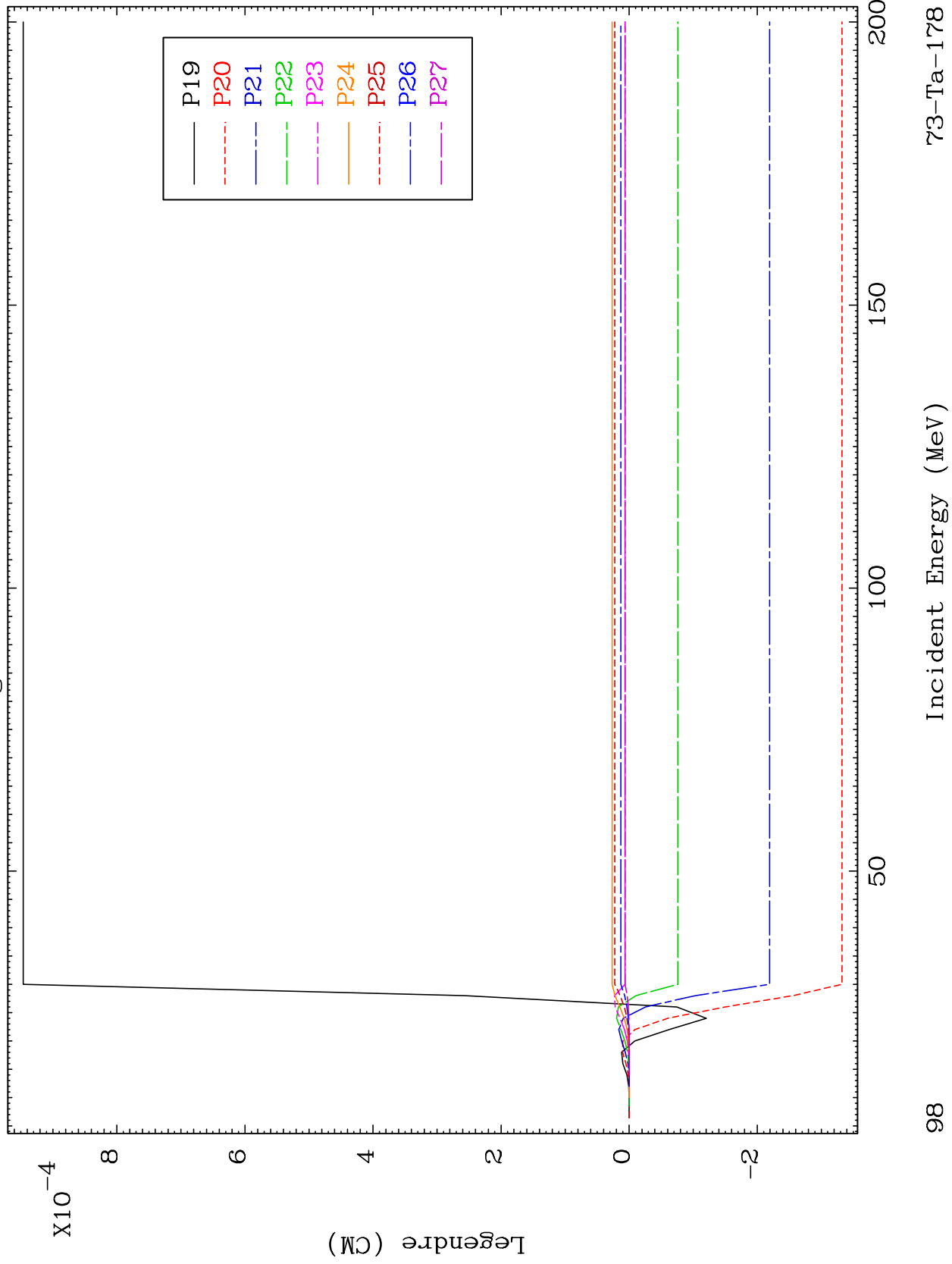
73-Ta-178



MAT 7319

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

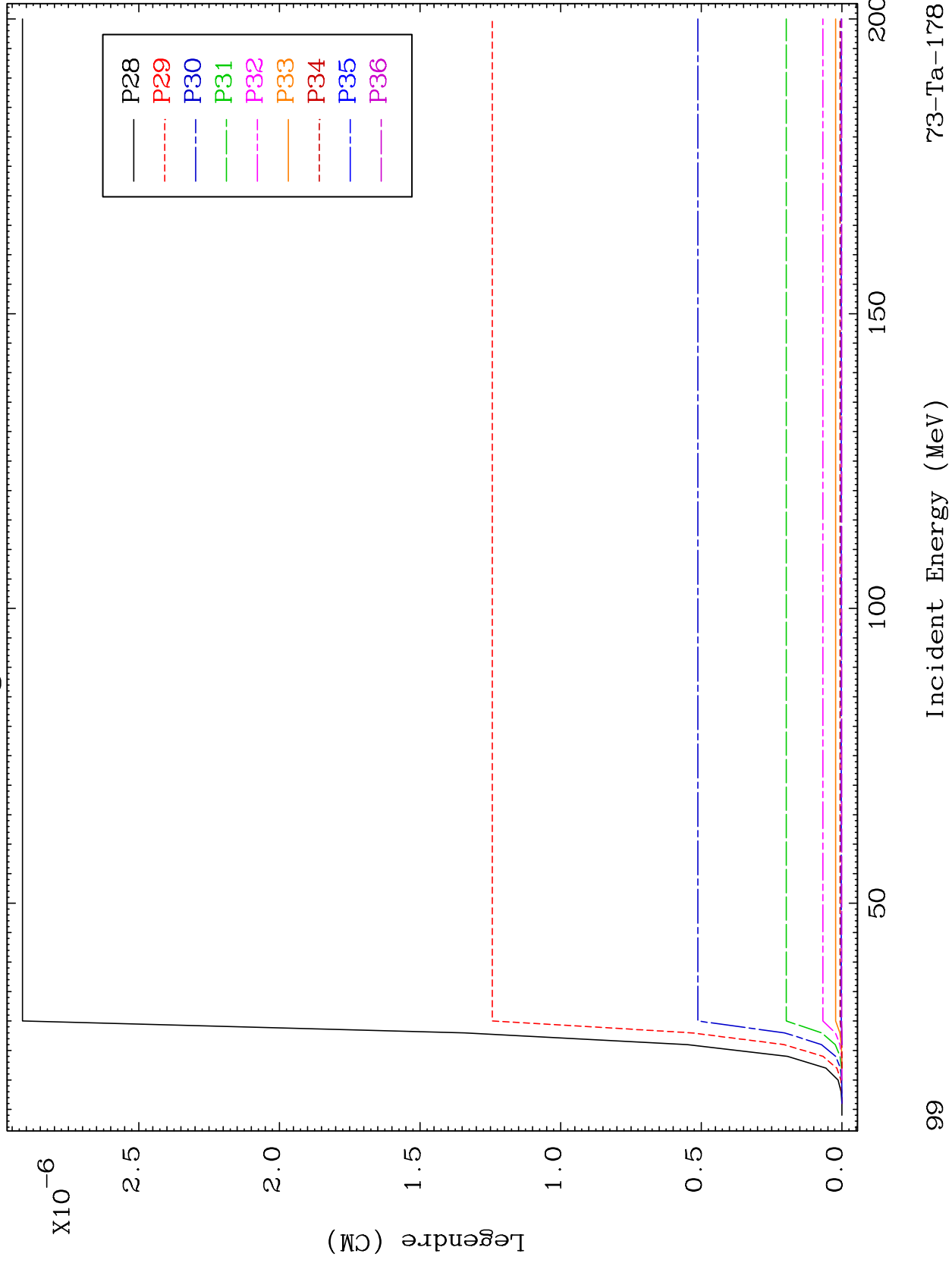
73-Ta-178

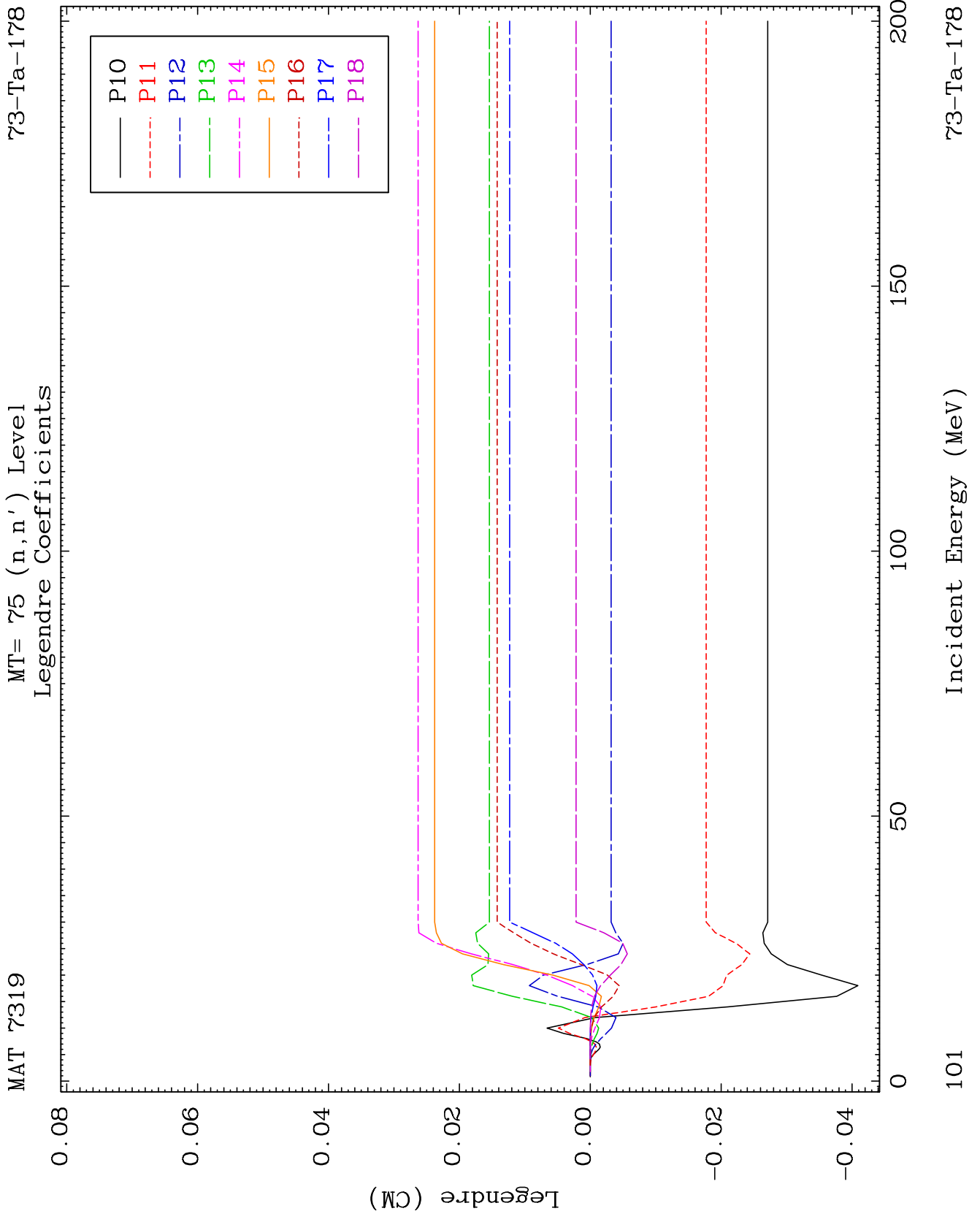


MAT 7319

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

73-Ta-178

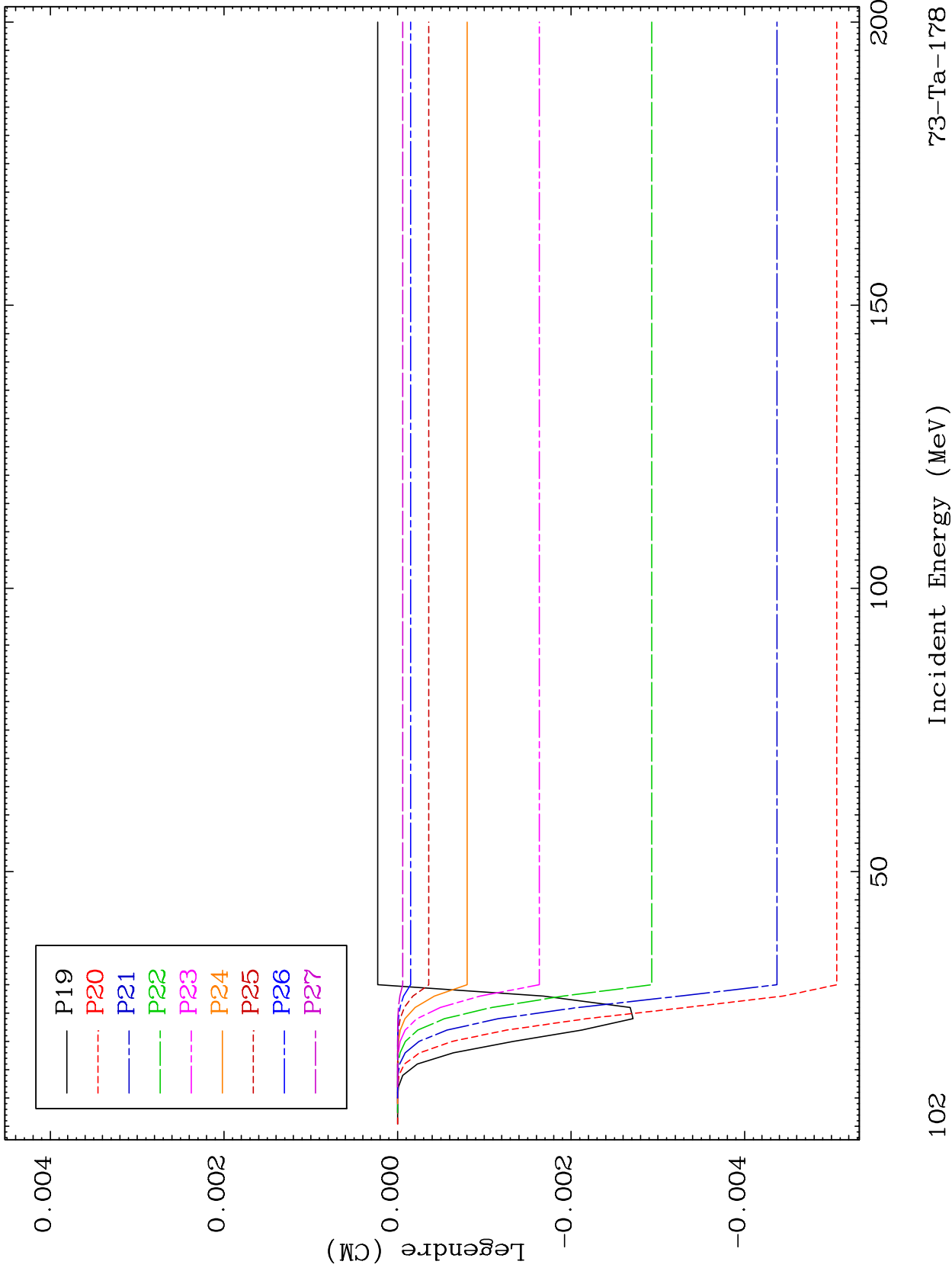




MAT 7319

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

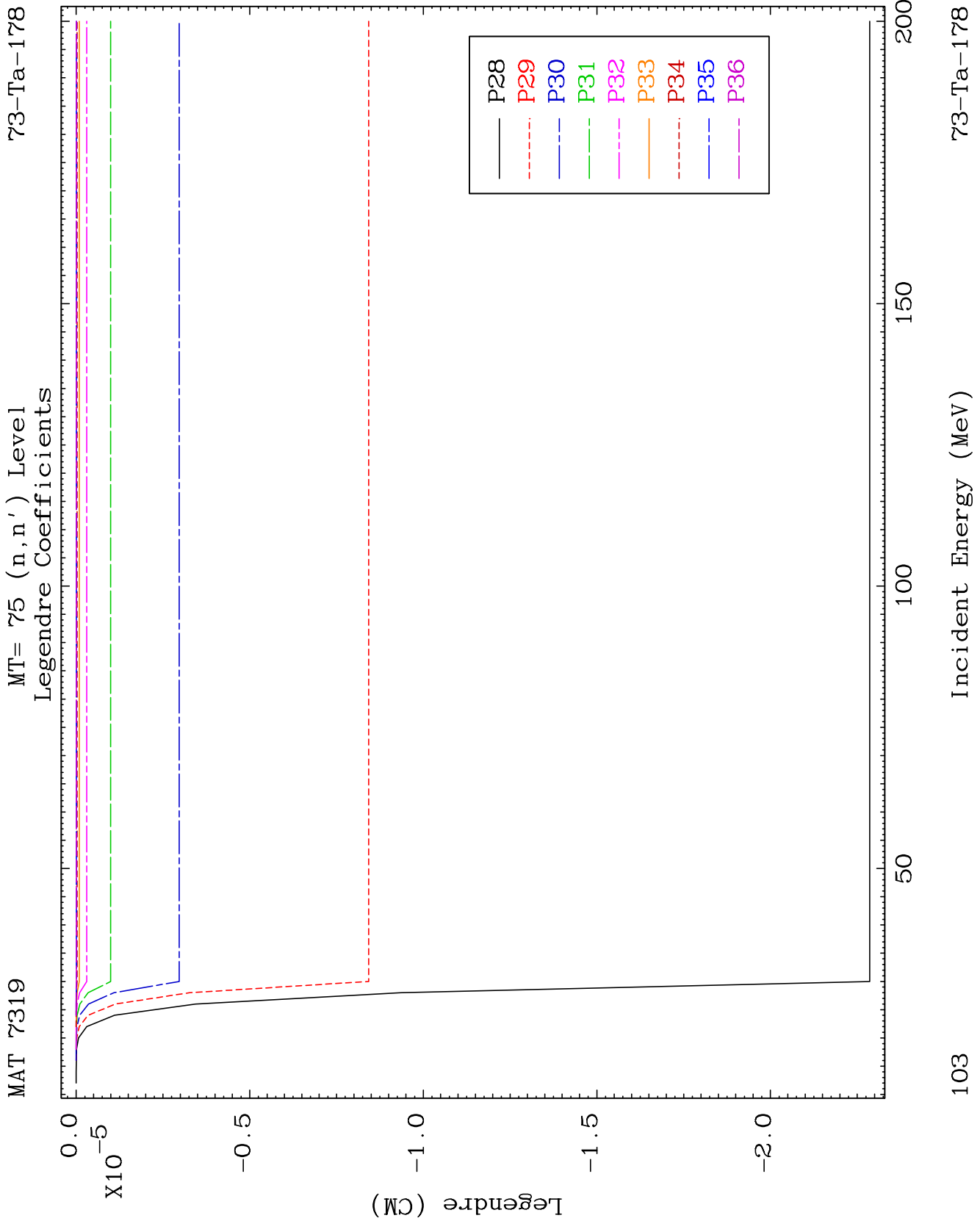
73-Ta-178

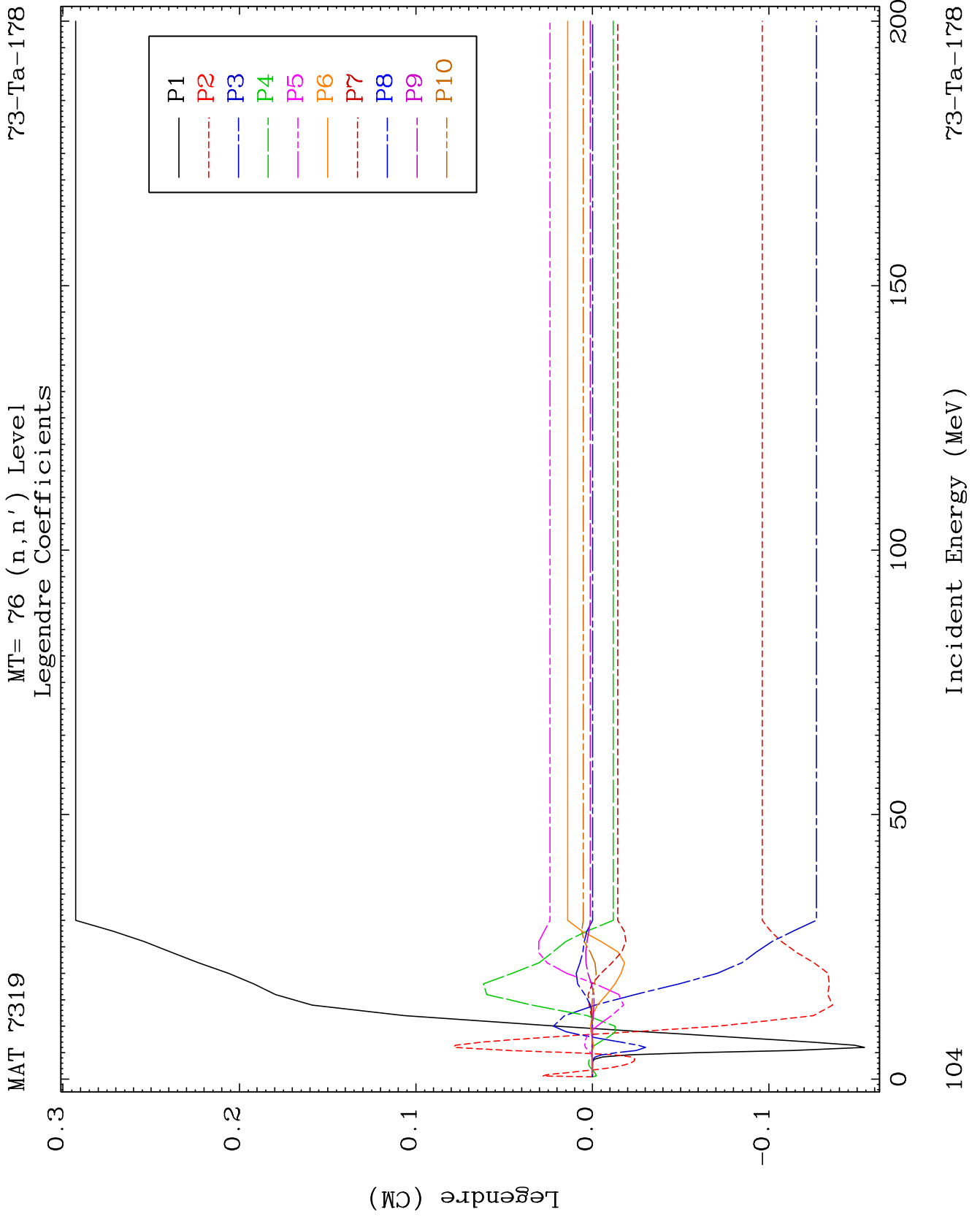


102

Incident Energy (MeV)

73-Ta-178

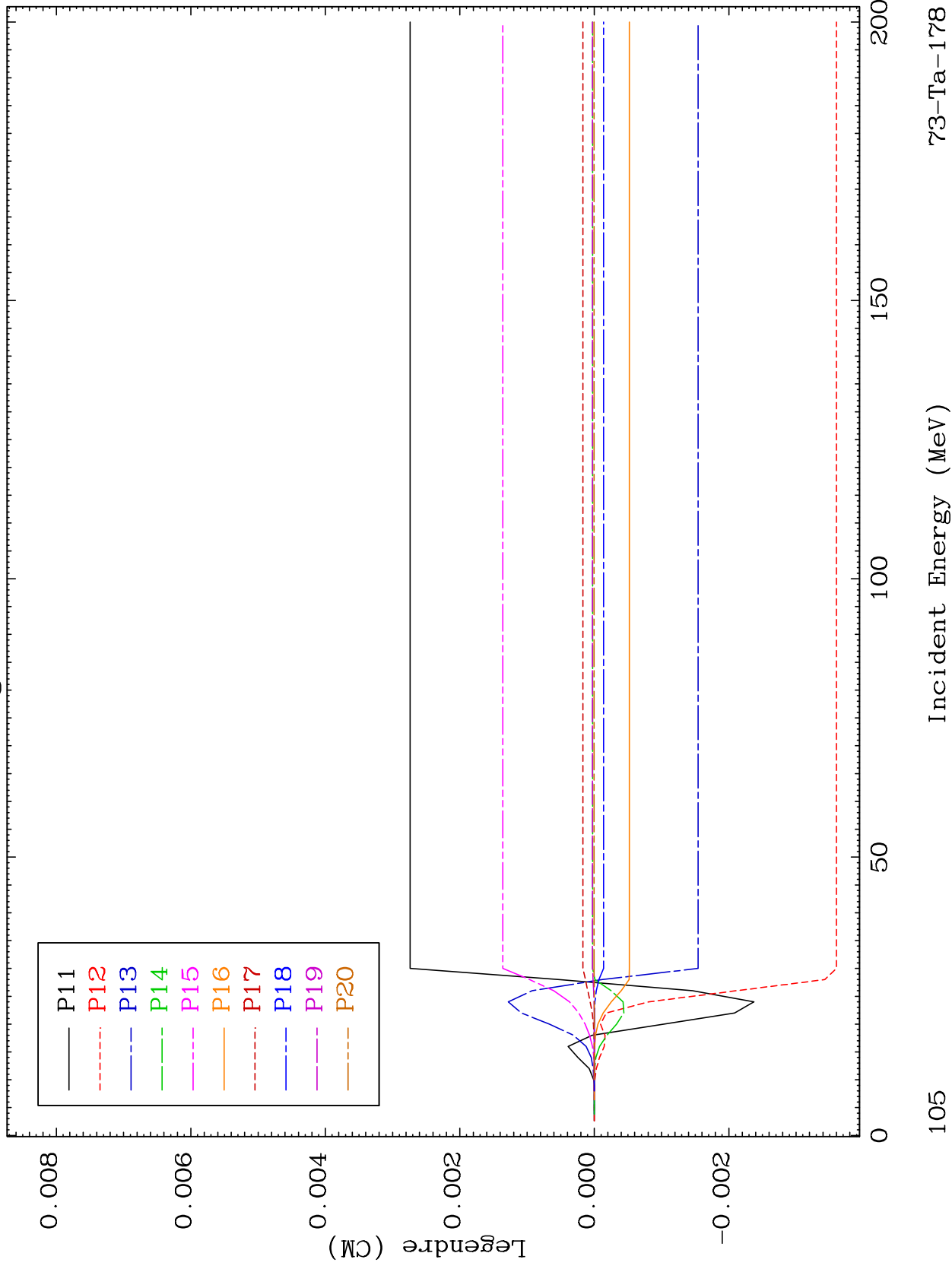




MAT 7319

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

73-Ta-178



73-Ta-178

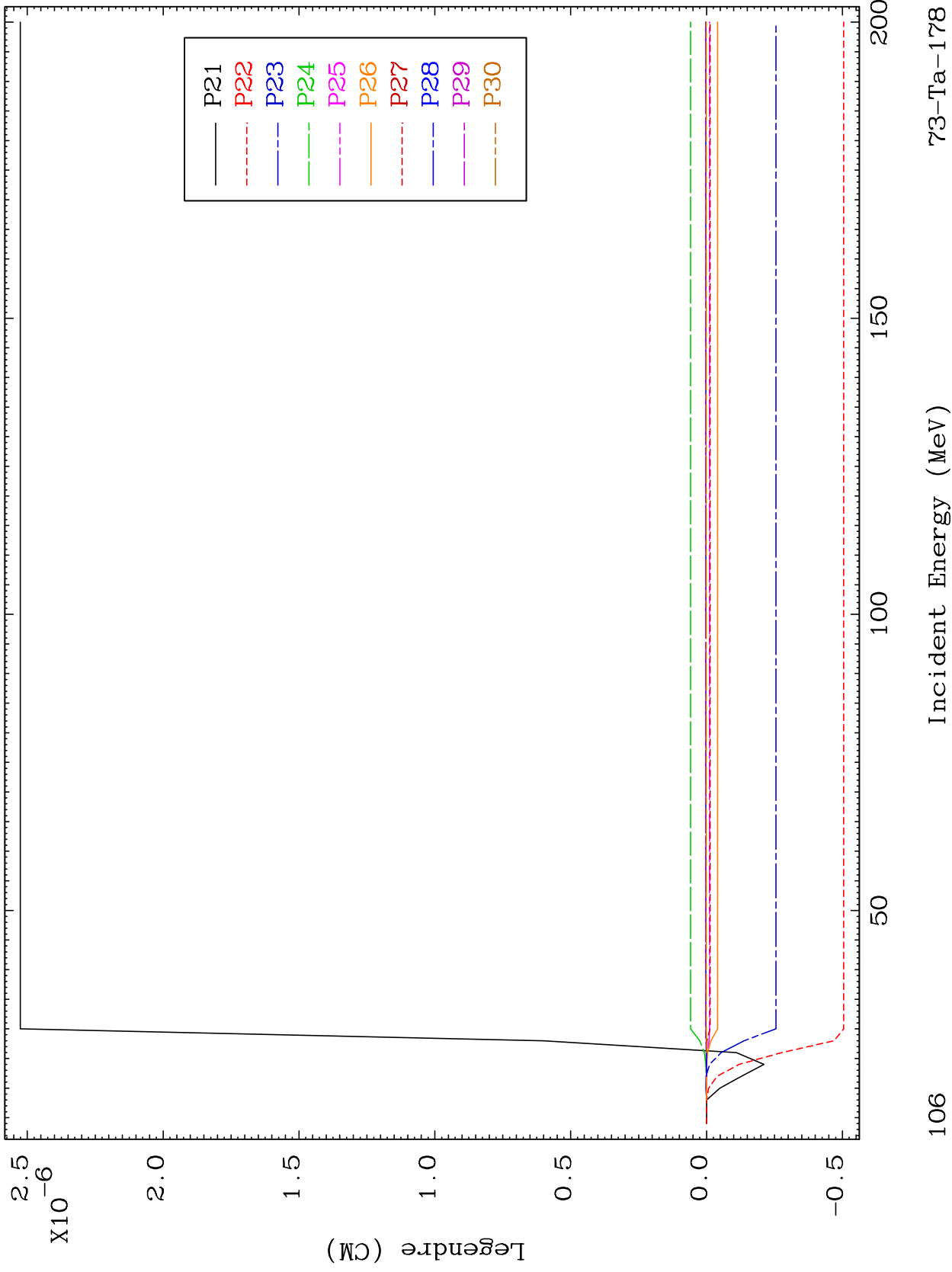
Incident Energy (MeV)

105

MAT 7319

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

73-Ta-178

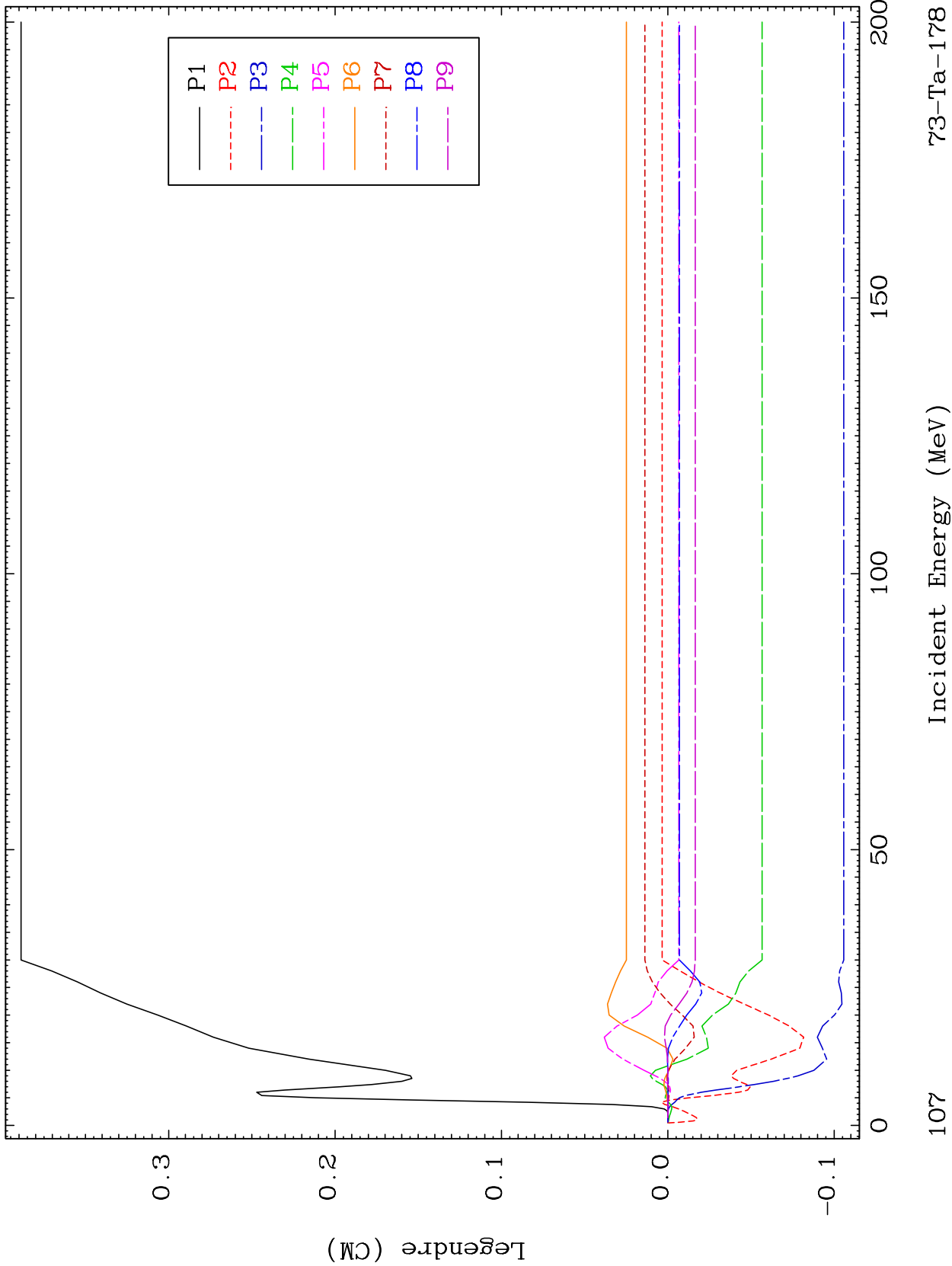


106

MAT 7319

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

73-Ta-178



107

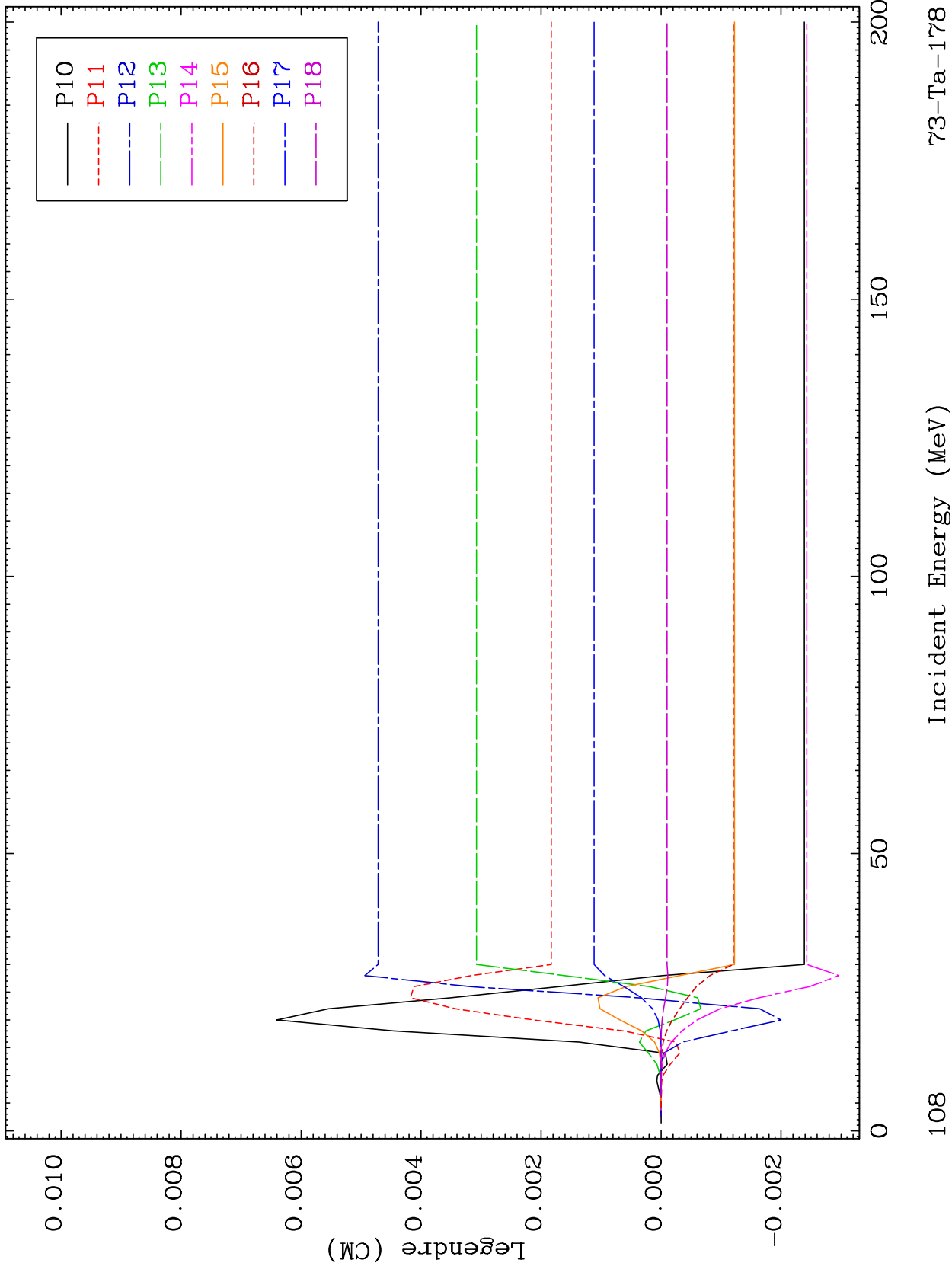
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



73-Ta-178

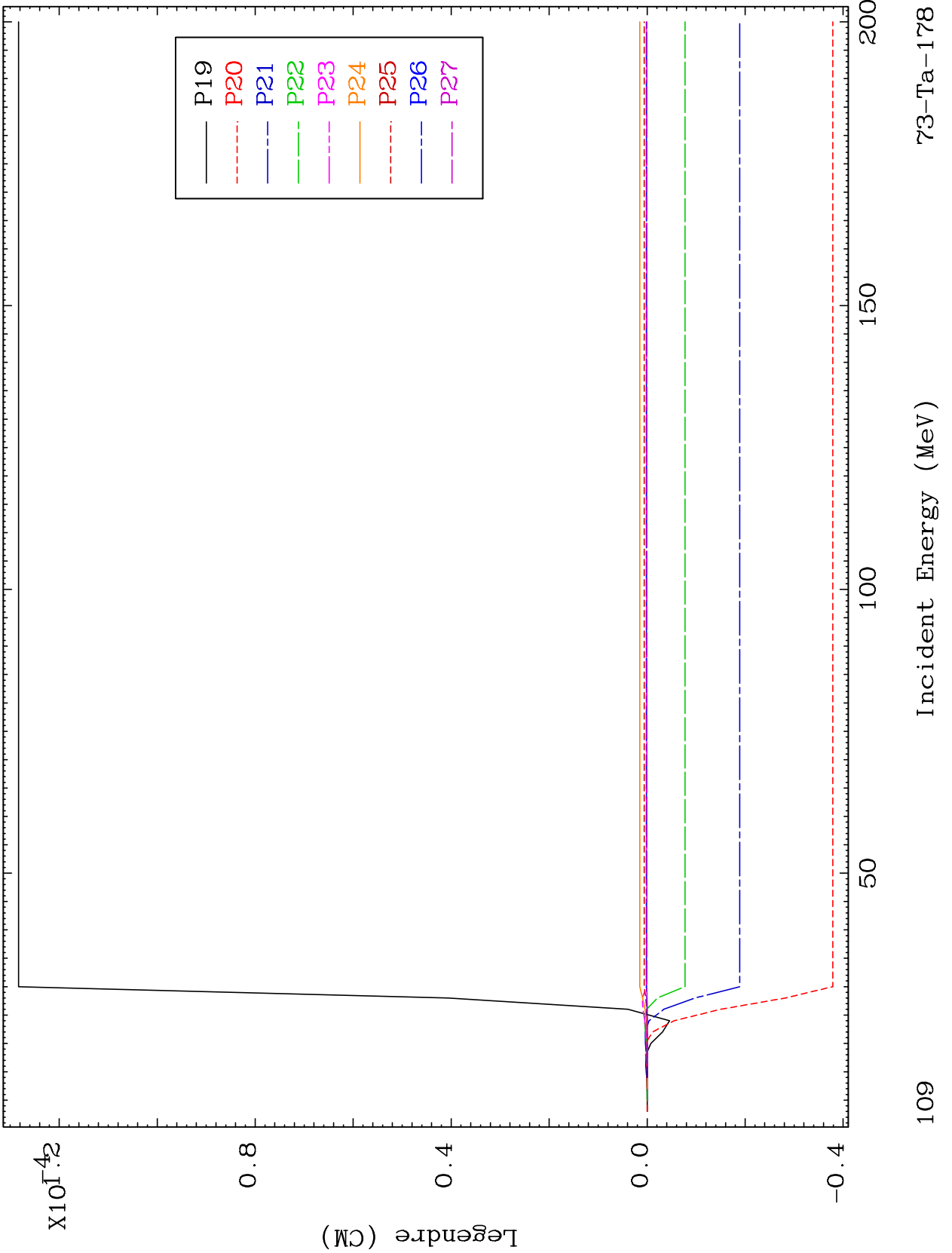
Incident Energy (MeV)

108

MAT 7319

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

73-Ta-178



109

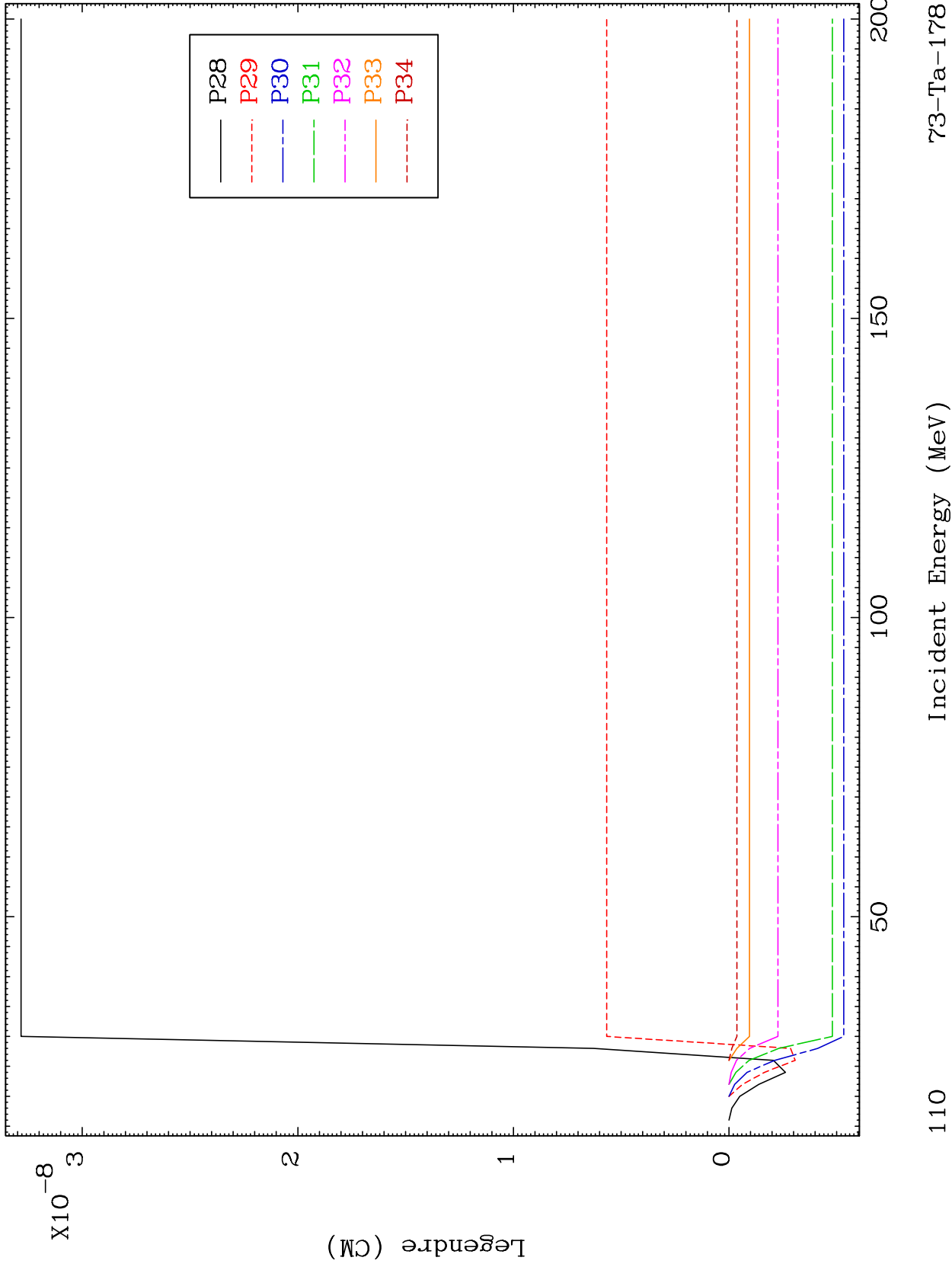
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

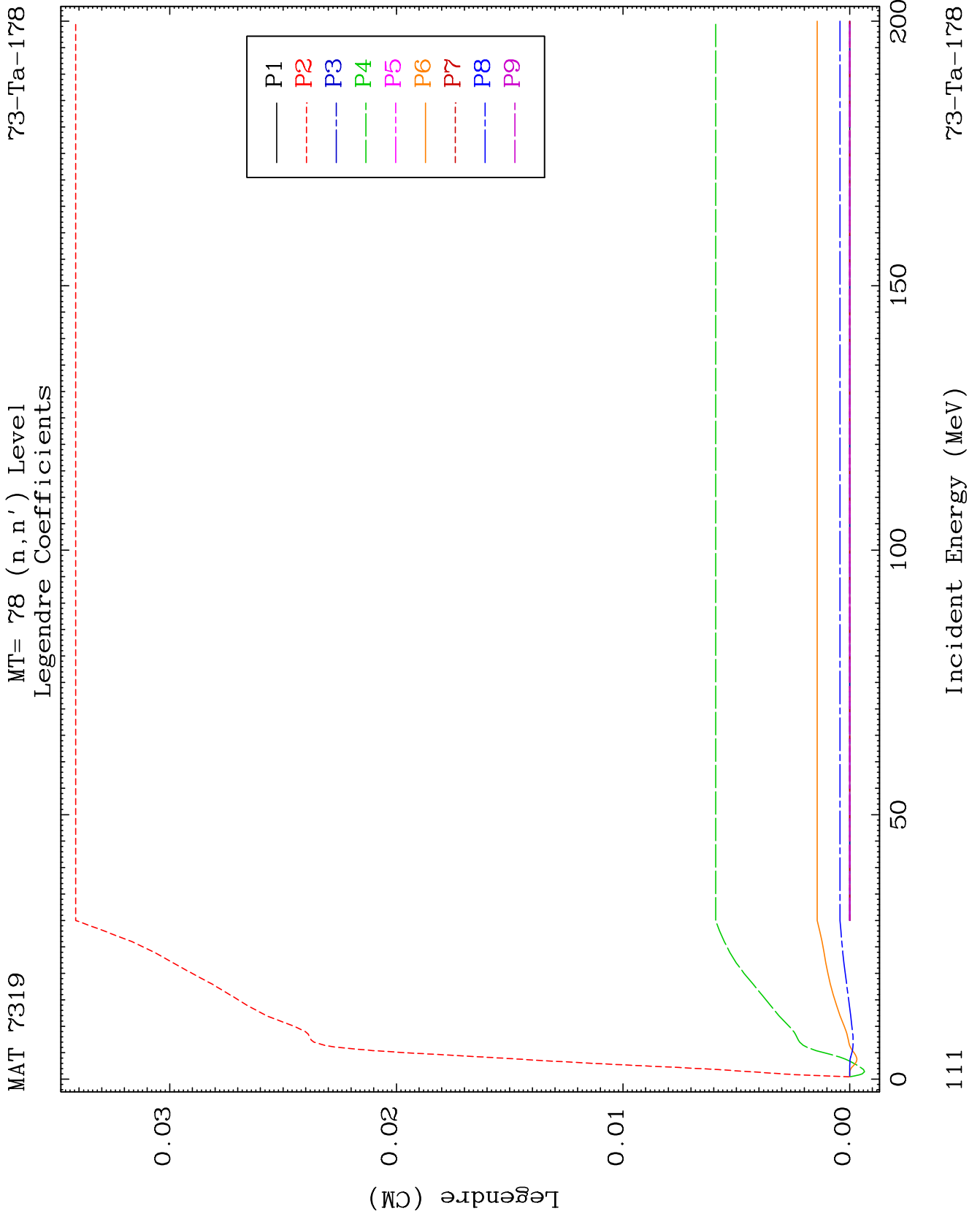
73-Ta-178

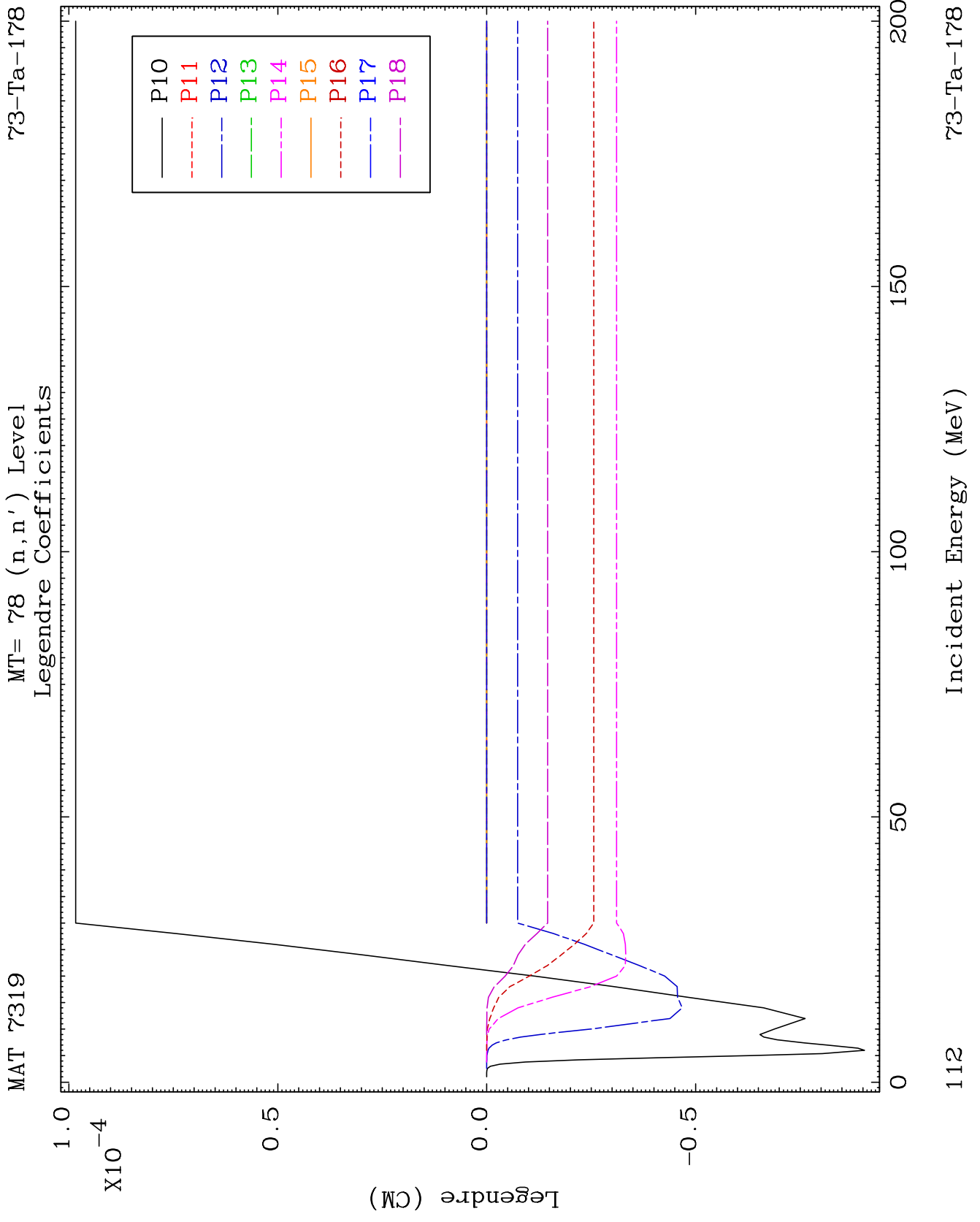


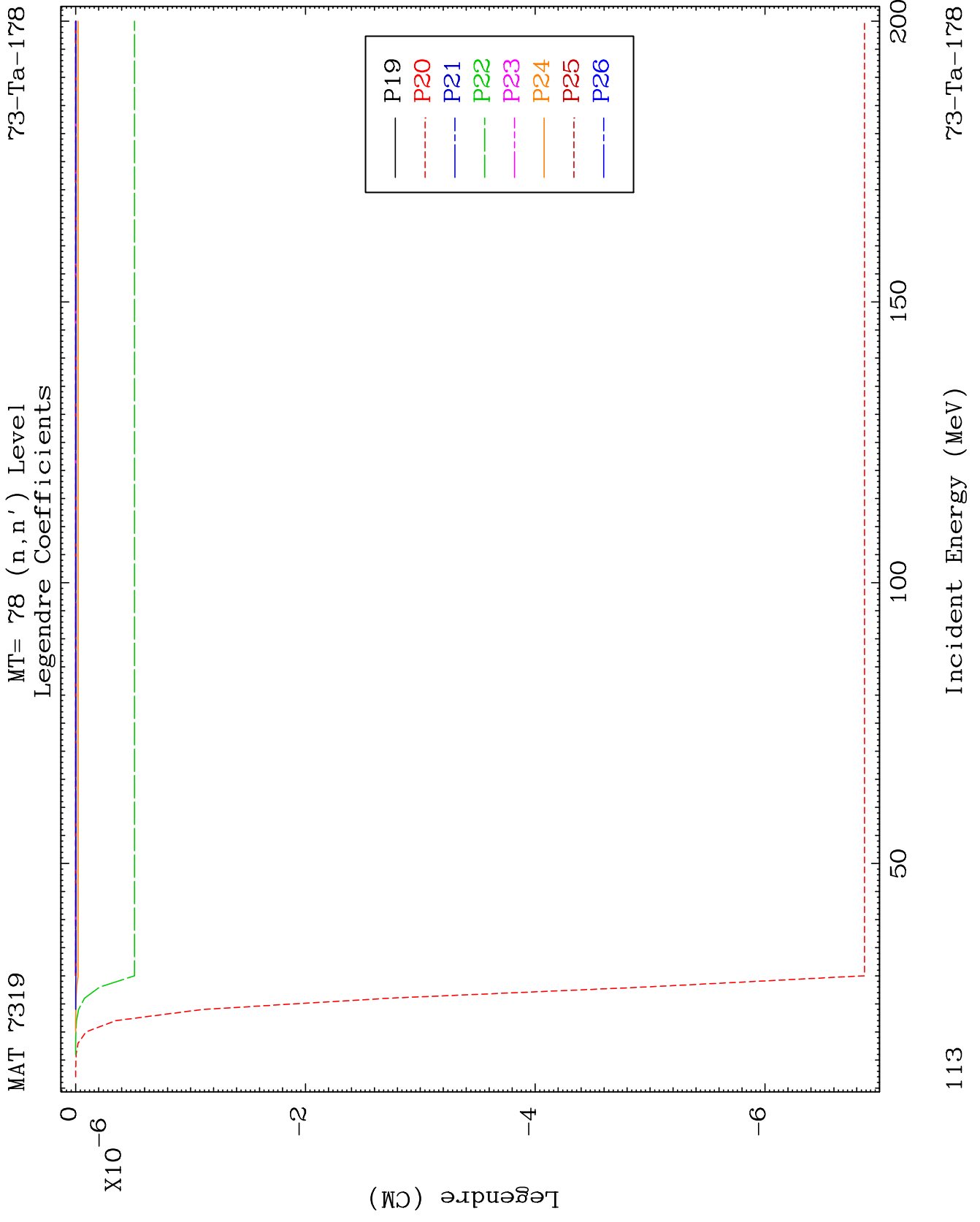
110

Incident Energy (MeV)

73-Ta-178



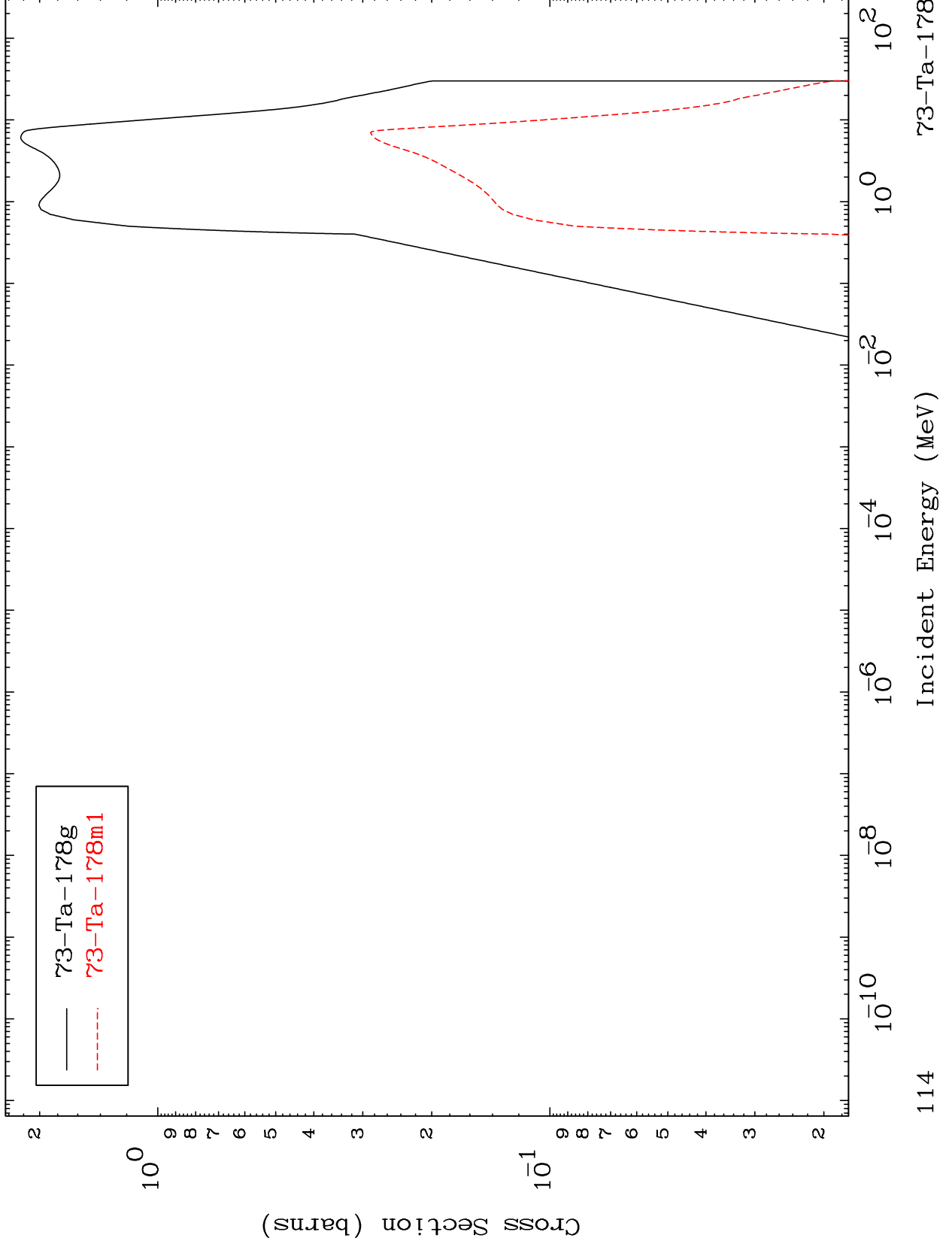




MAT 7319

Inelastic
Radionuclide Production Cross Section

⁷³Ta-178

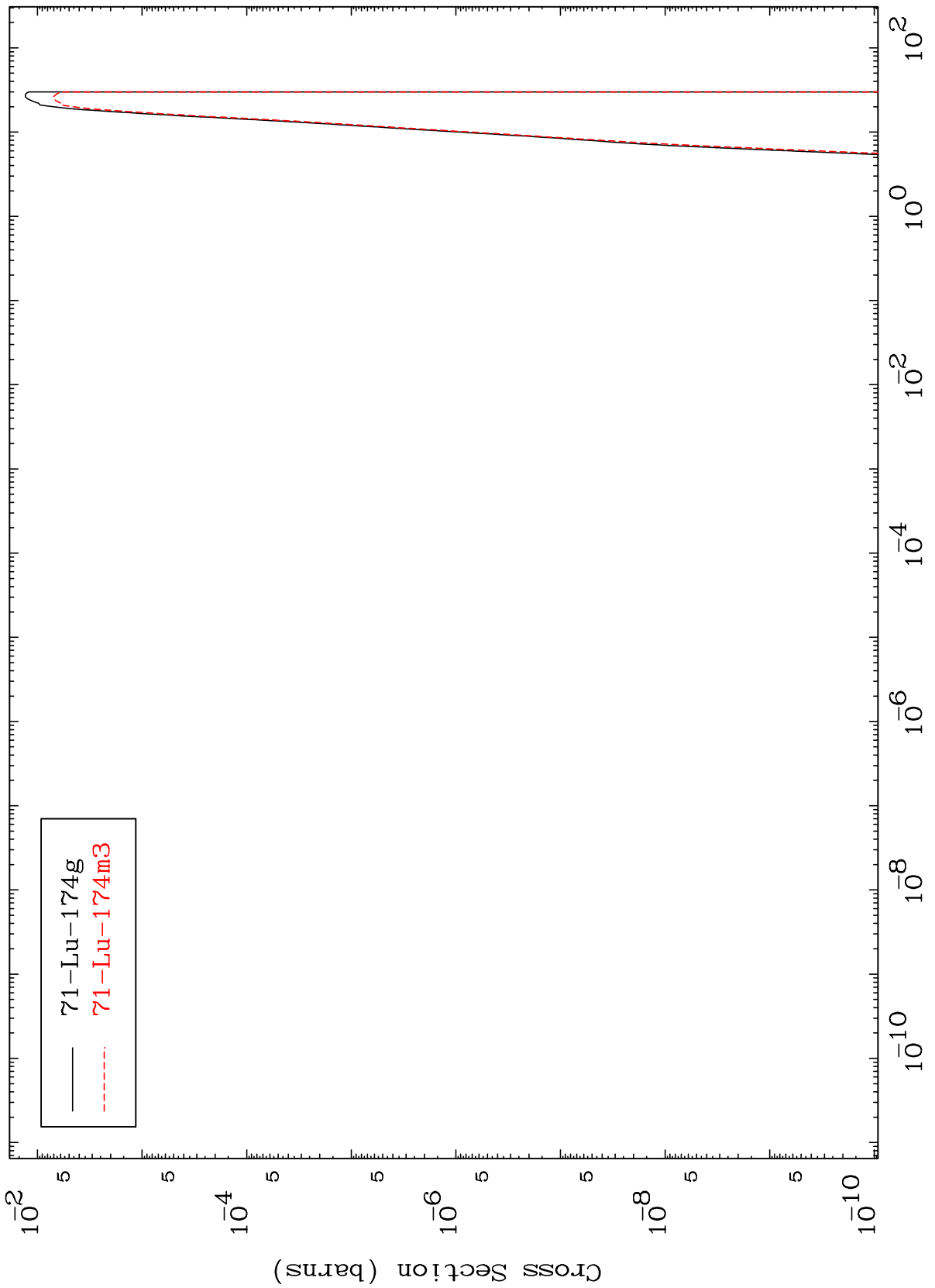


MAT 7319

$(n, n') \alpha$

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

Radionuclide Production Cross Section



115

Incident Energy (MeV)

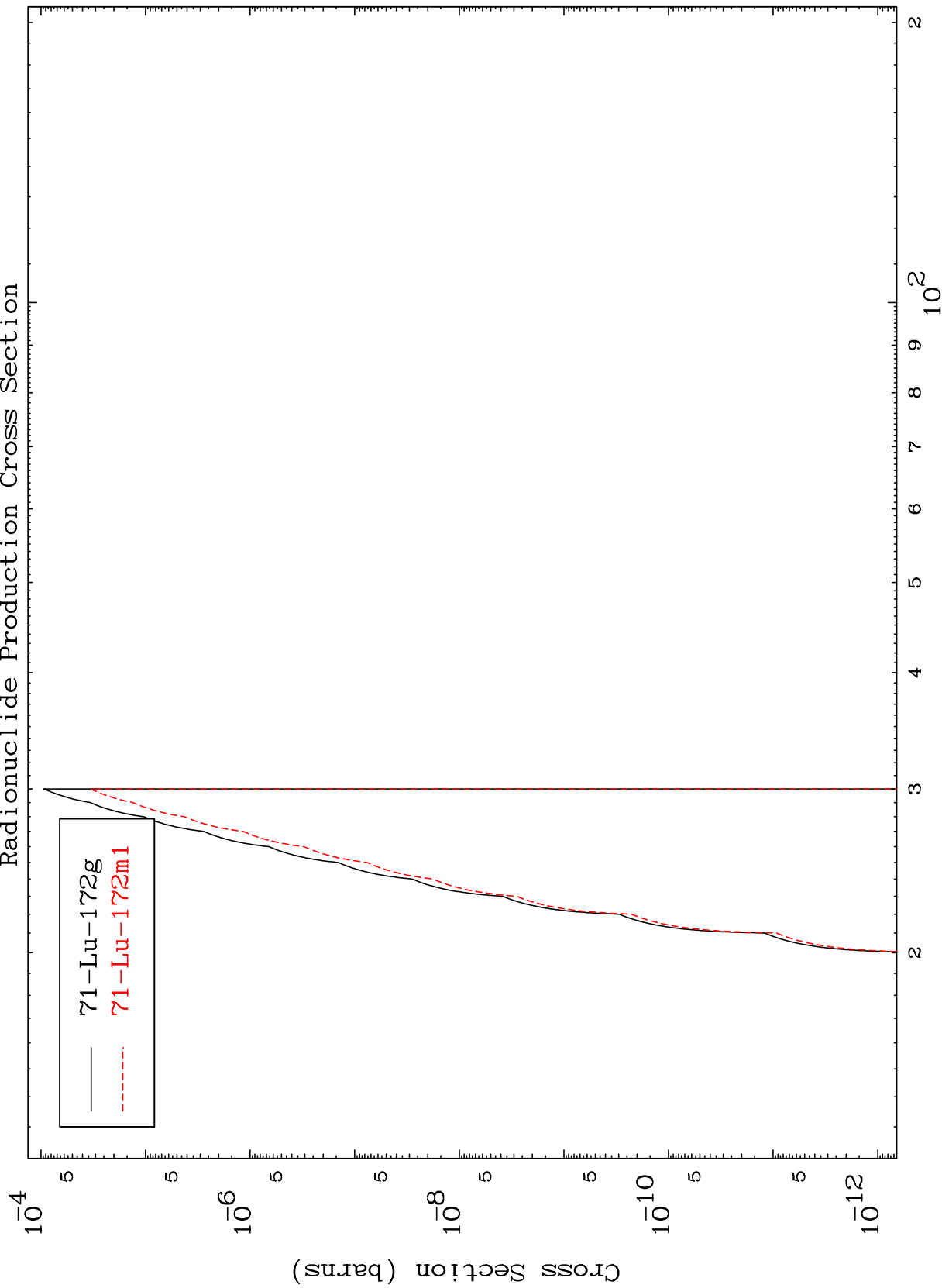
$^{73}\text{Ta-178}$

MAT 7319

(n,3n) α

⁷³Ta-178

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷³Ta-178

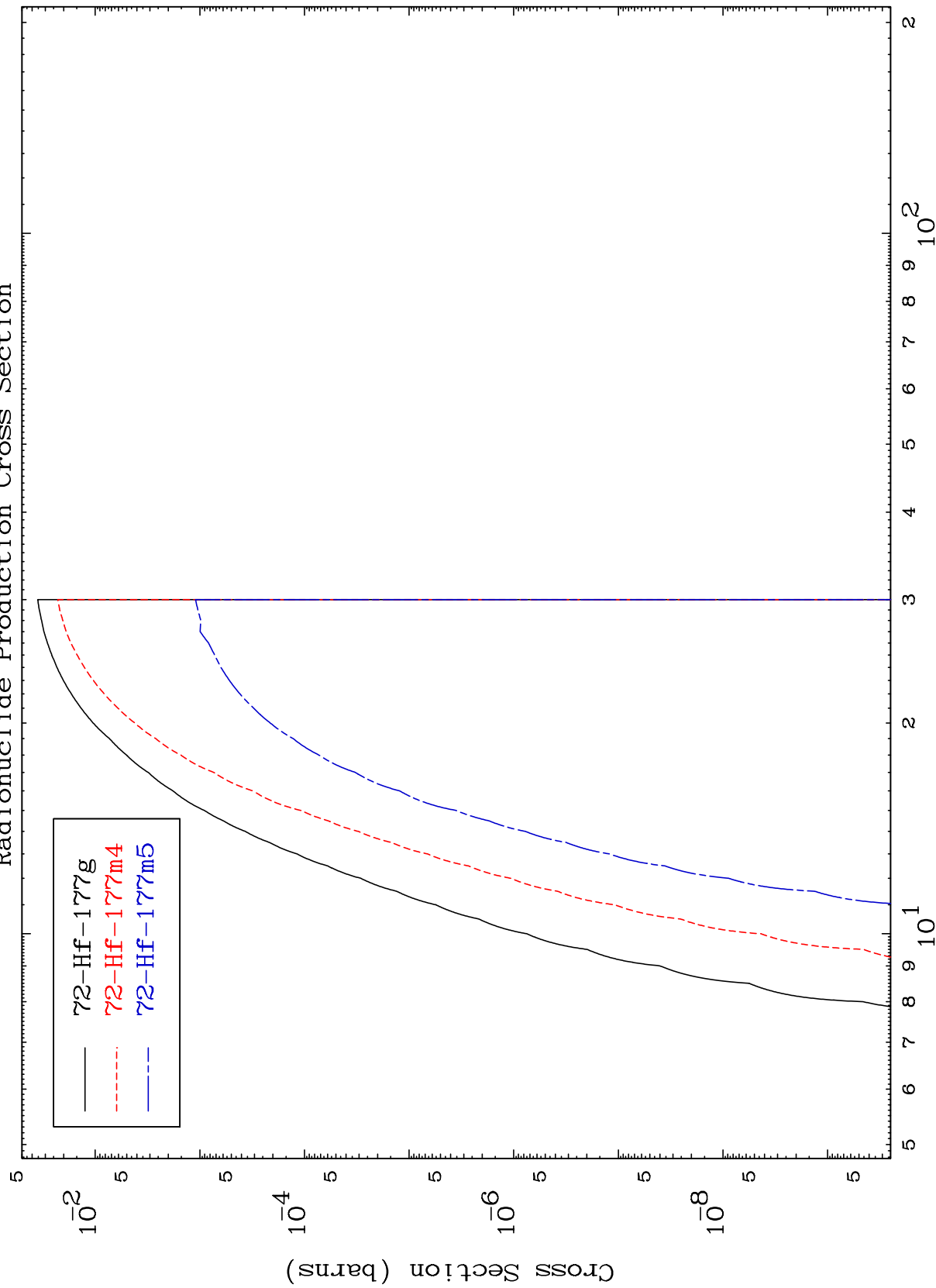
116

MAT 7319

73-Ta-178

(n,n') p

Radionuclide Production Cross Section



117

Incident Energy (MeV)

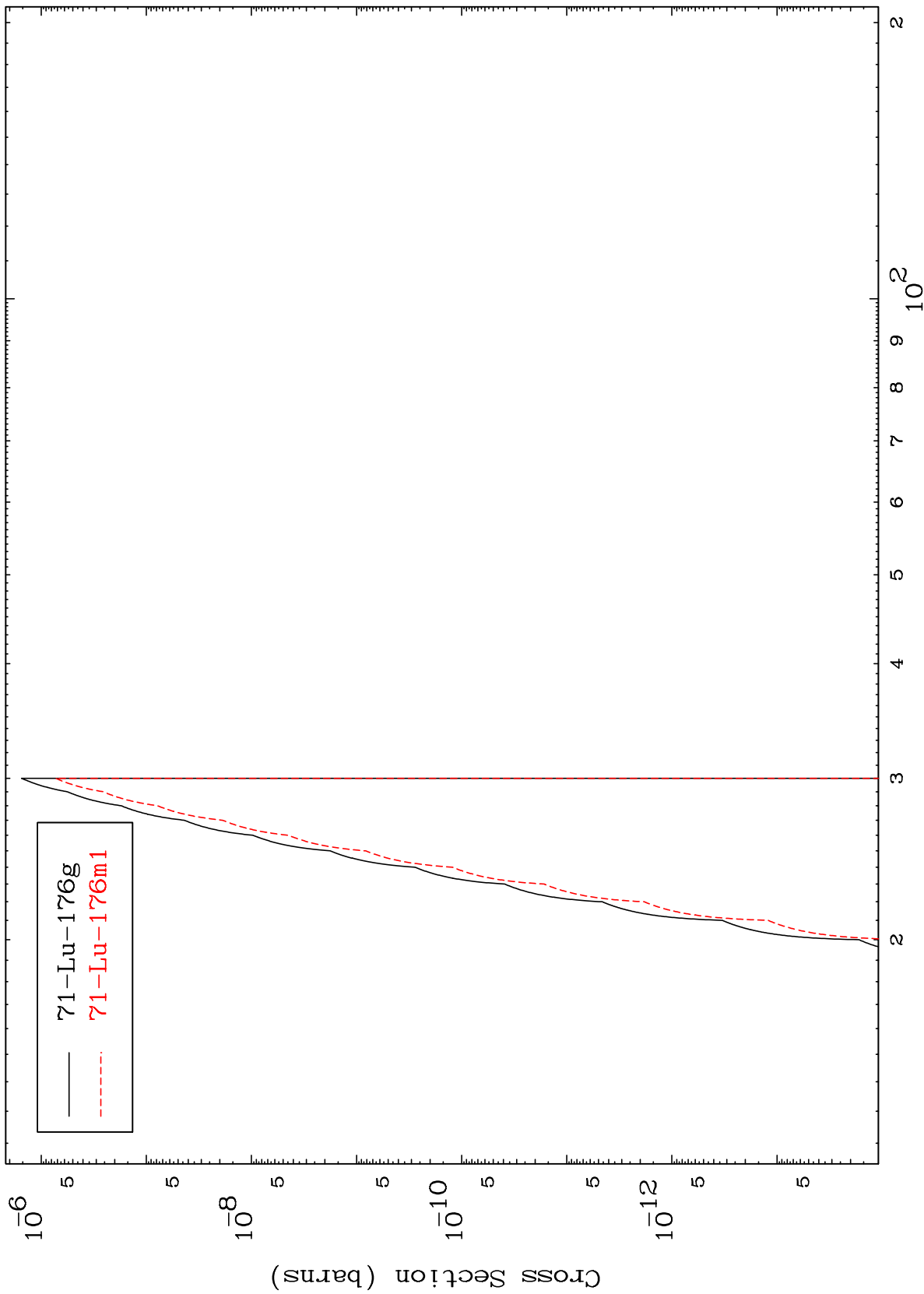
73-Ta-178

MAT 7319

(n,2n) p

⁷³Ta-178

Radionuclide Production Cross Section



118

Incident Energy (MeV)

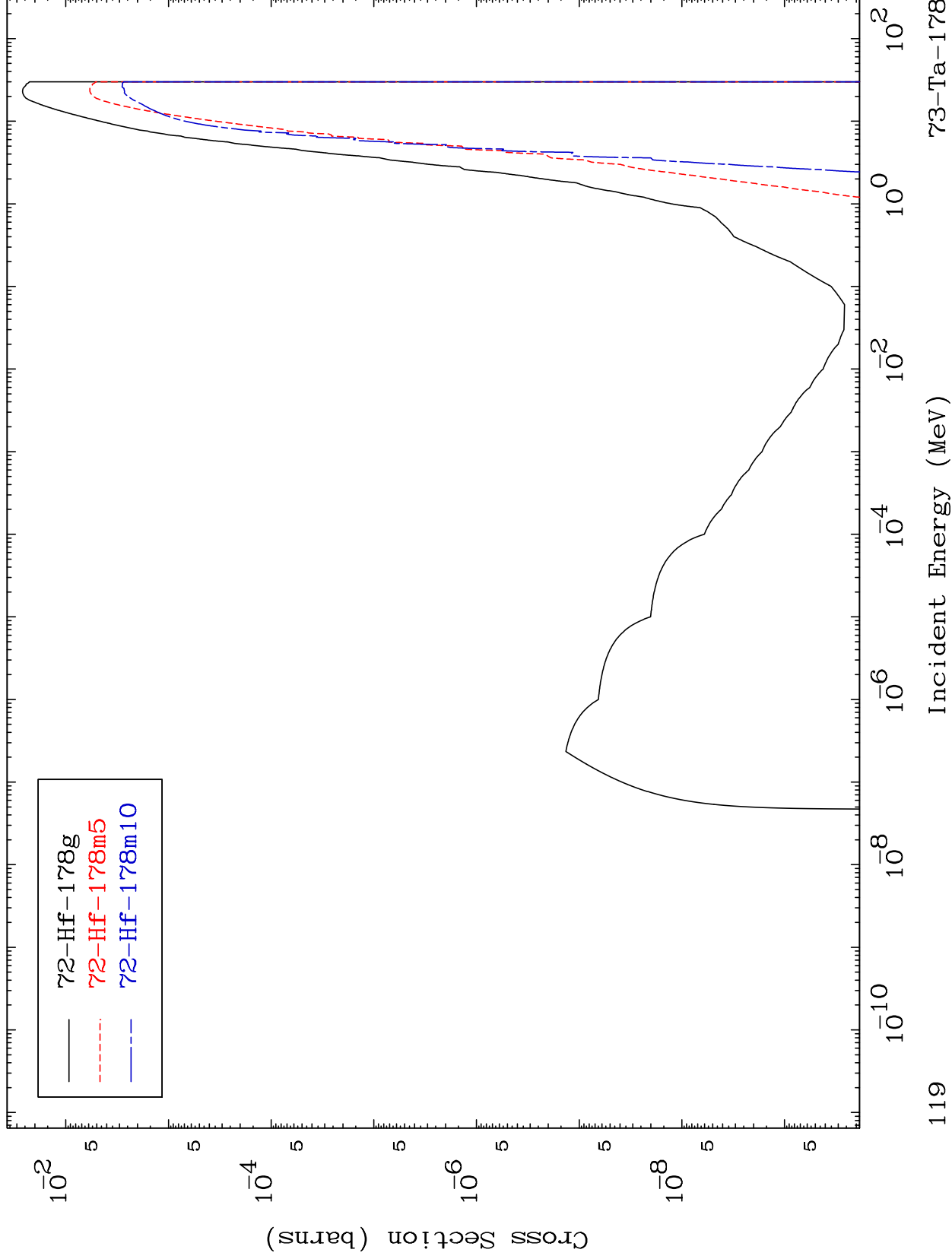
⁷³Ta-178

MAT 7319

(n,p)

⁷³Ta-178

Radionuclide Production Cross Section

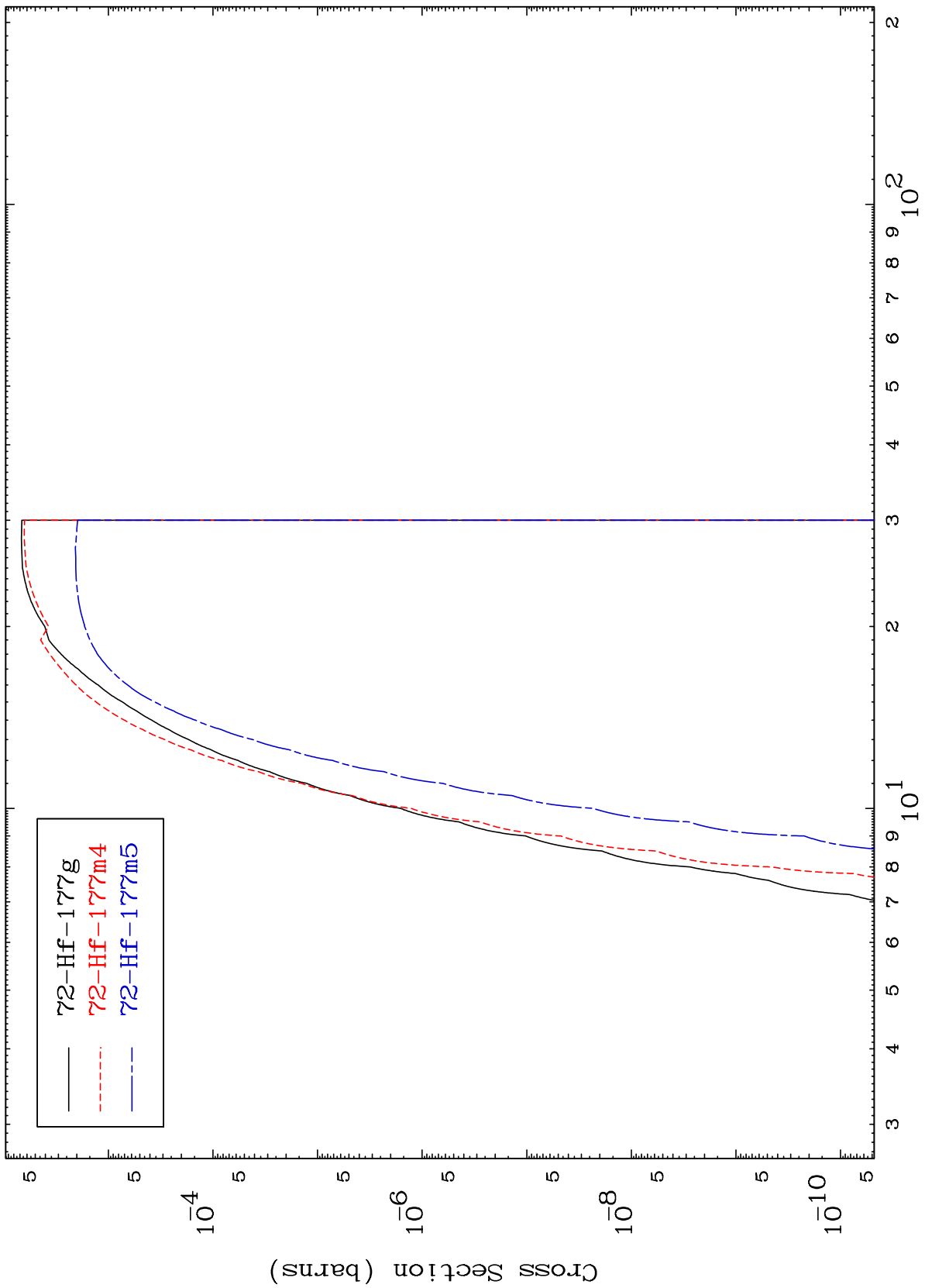


119

MAT 7319

73-Ta-178

(n,d)
Radionuclide Production Cross Section



120

Incident Energy (MeV)

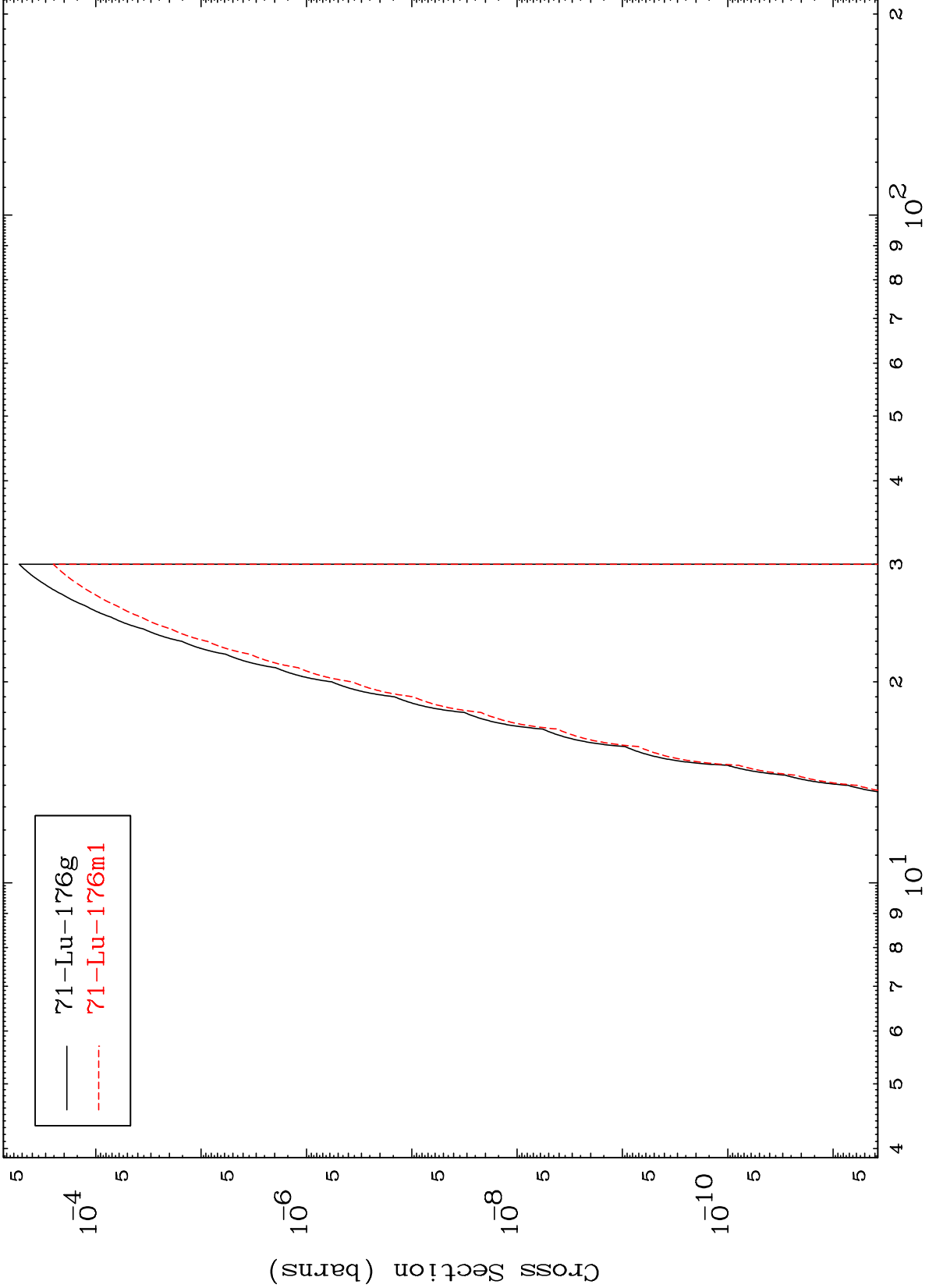
73-Ta-178

MAT 7319

(n,He-3)

73-Ta-178

Radionuclide Production Cross Section



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

121

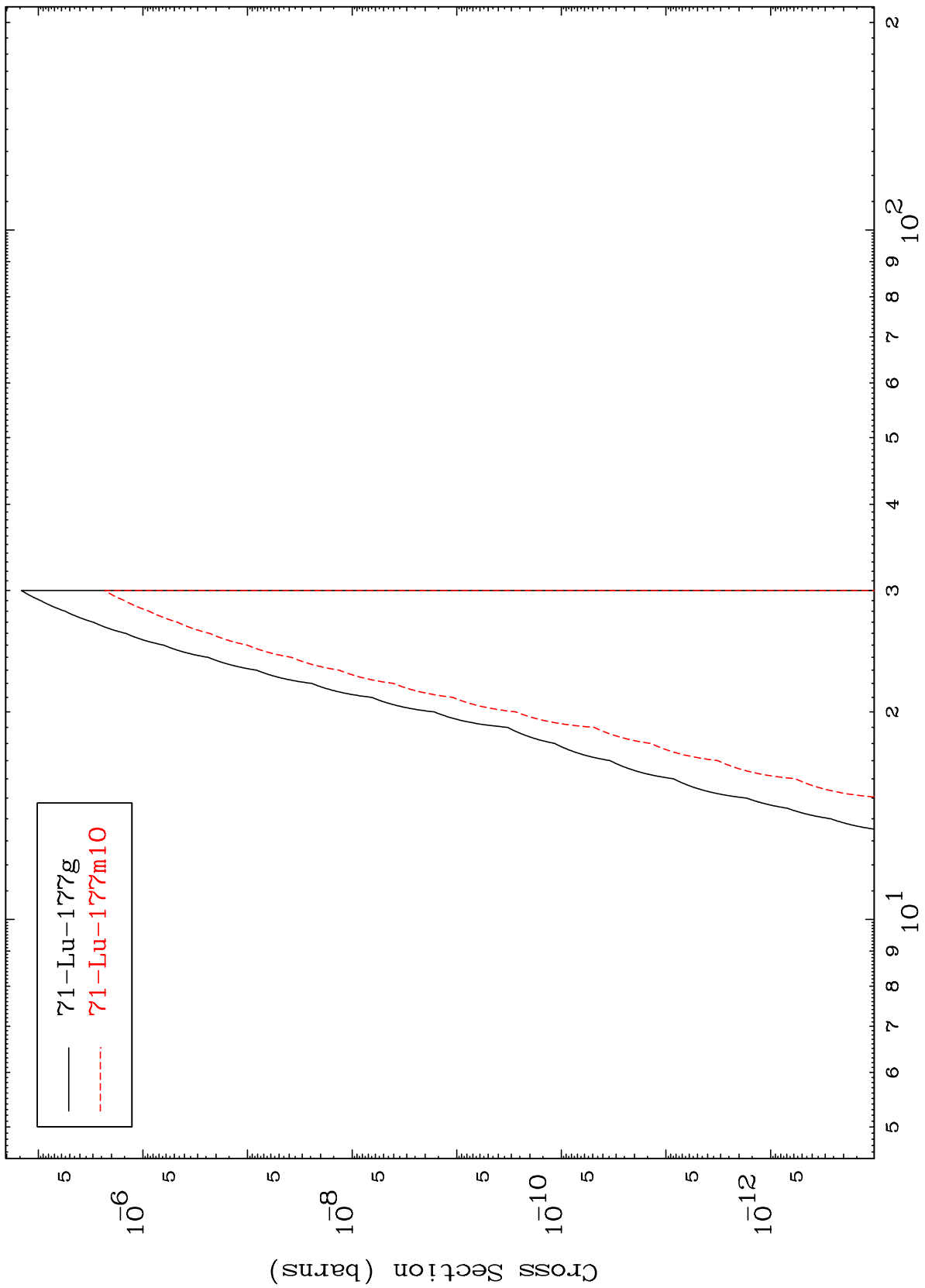
Incident Energy (MeV)

73-Ta-178

MAT 7319

73-Ta-178

(n,2p)
Radionuclide Production Cross Section



122

Incident Energy (MeV)

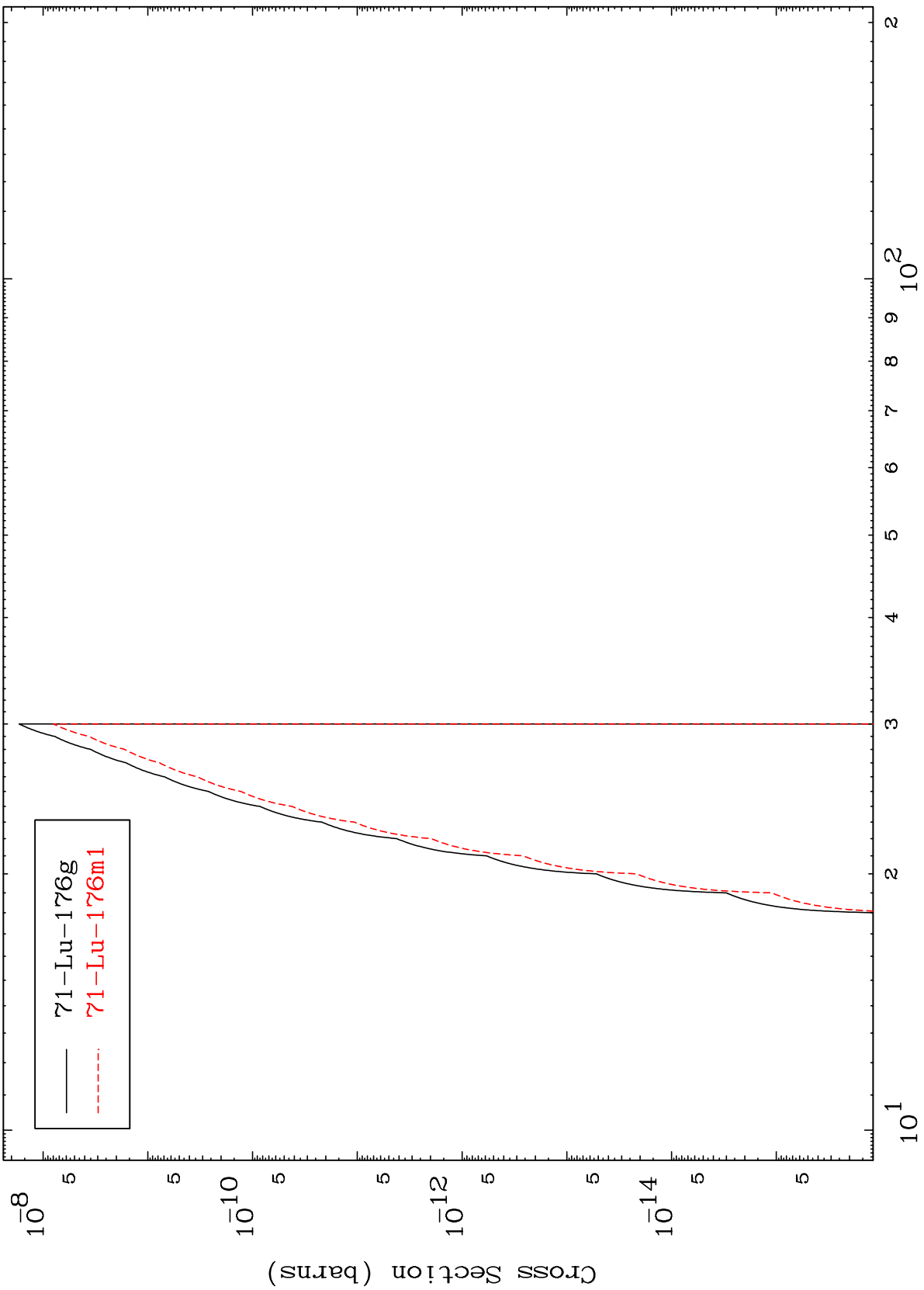
73-Ta-178

MAT 7319

(n,p) d

⁷³Ta-178

Radionuclide Production Cross Section



123

Incident Energy (MeV)

⁷³Ta-178