

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

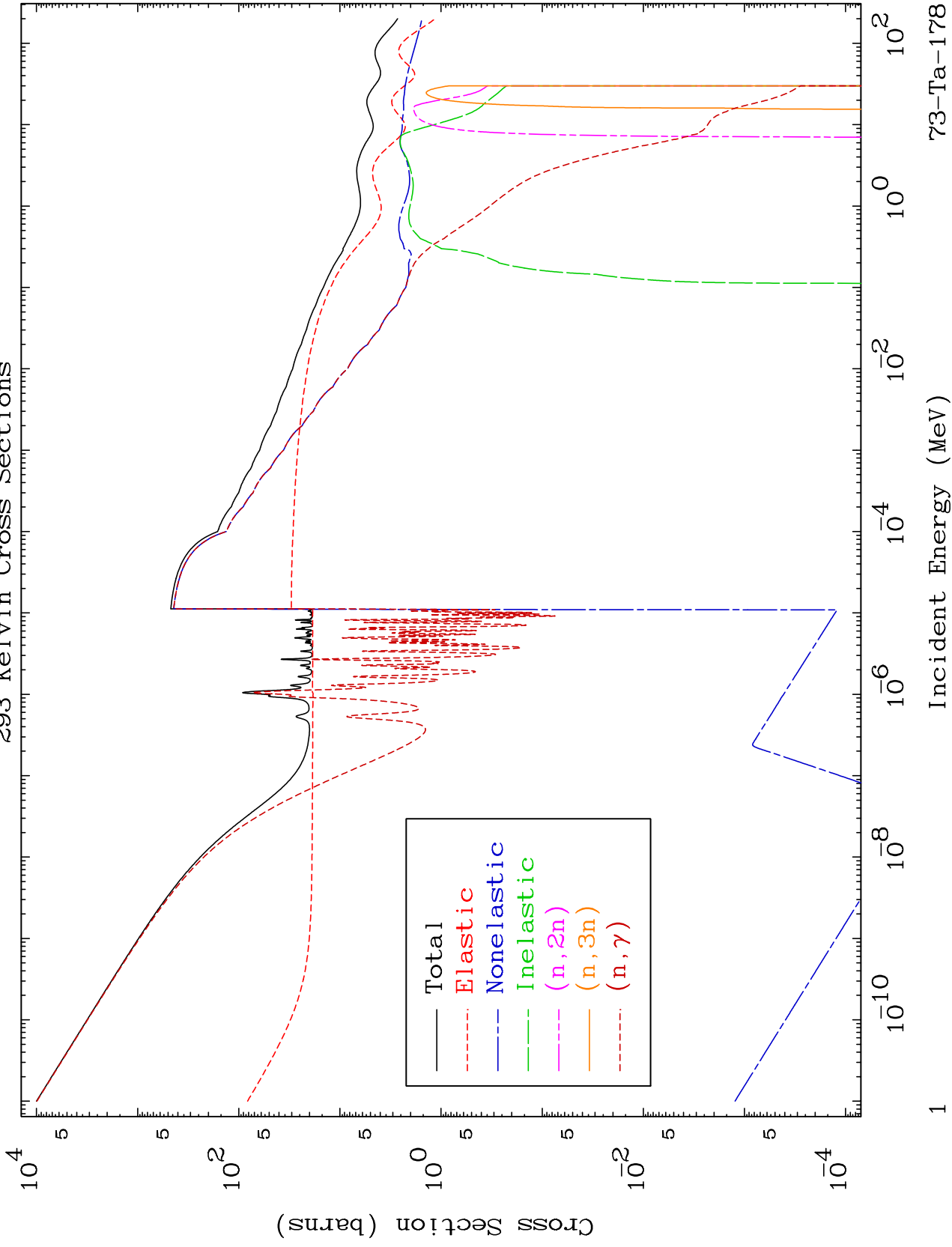
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Press Mouse Button to Start

MAT 7319

Neutron Major
293 Kelvin Cross Sections

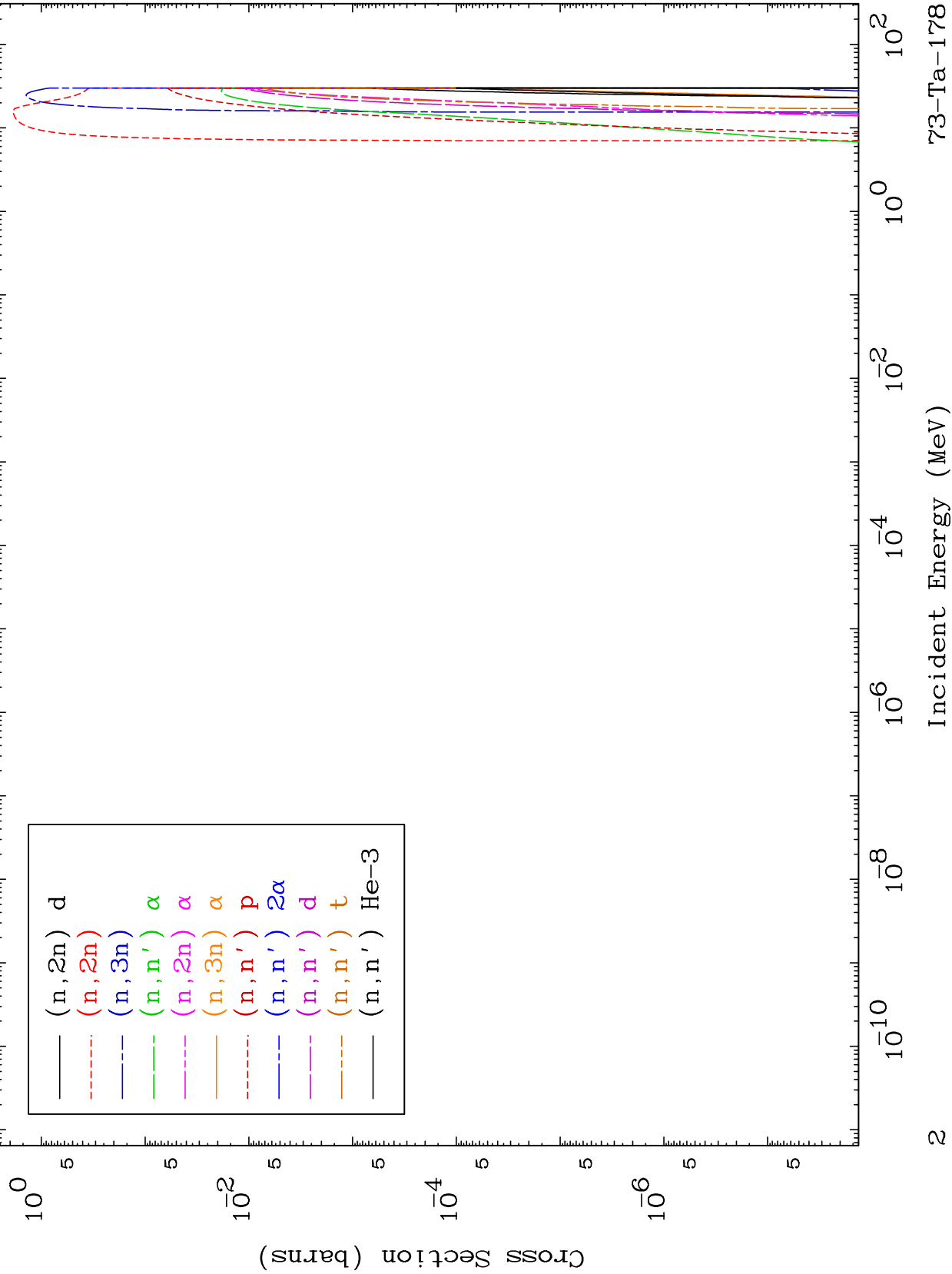
73-Ta-178



MAT 7319

Neutron Absorption
293 Kelvin Cross Sections

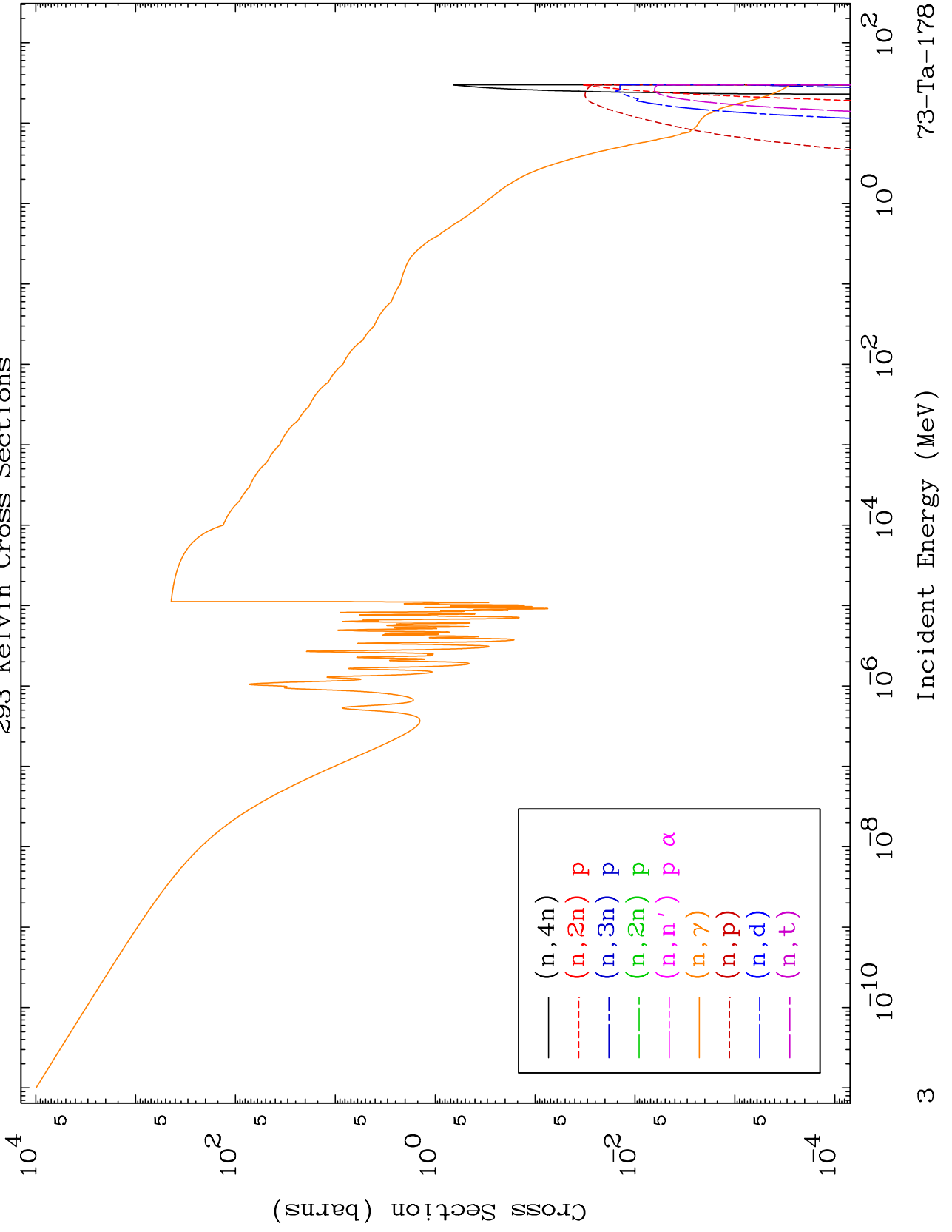
73-Ta-178



MAT 7319

Neutron Absorption
293 Kelvin Cross Sections

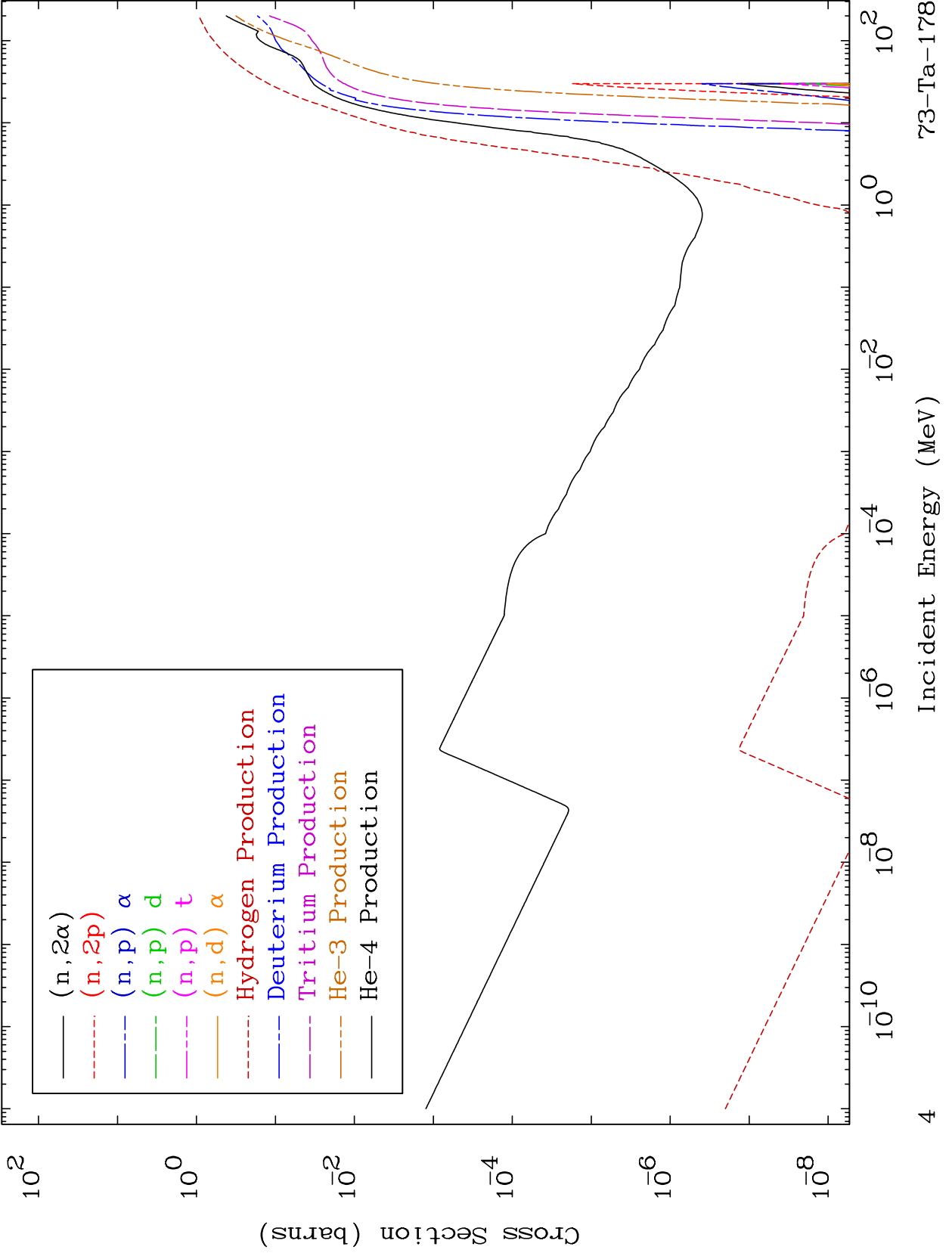
73-Ta-178



MAT 7319

Neutron Absorption
293 Kelvin Cross Sections

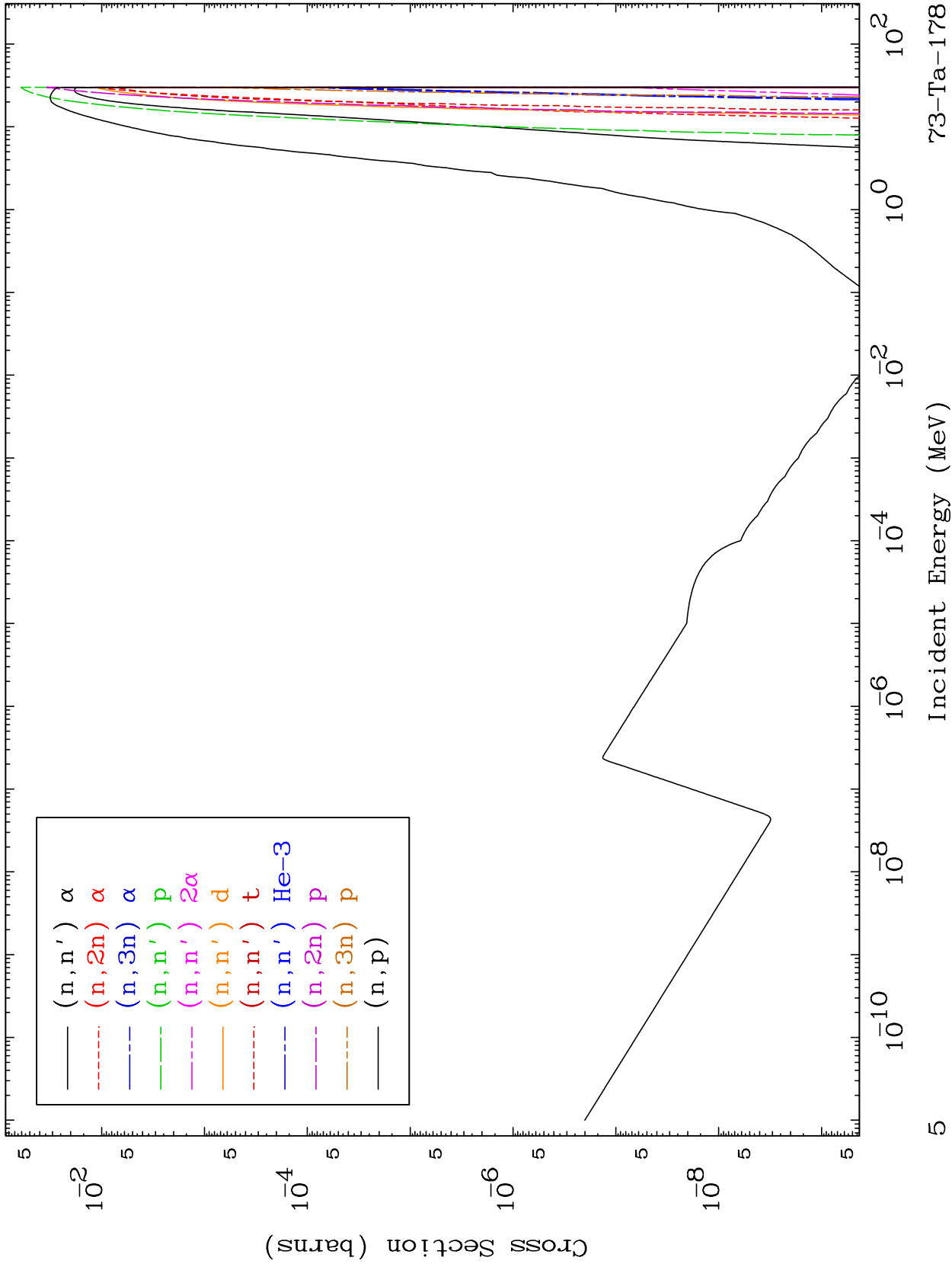
73-Ta-178



MAT 7319

Charged Particle
293 Kelvin Cross Sections

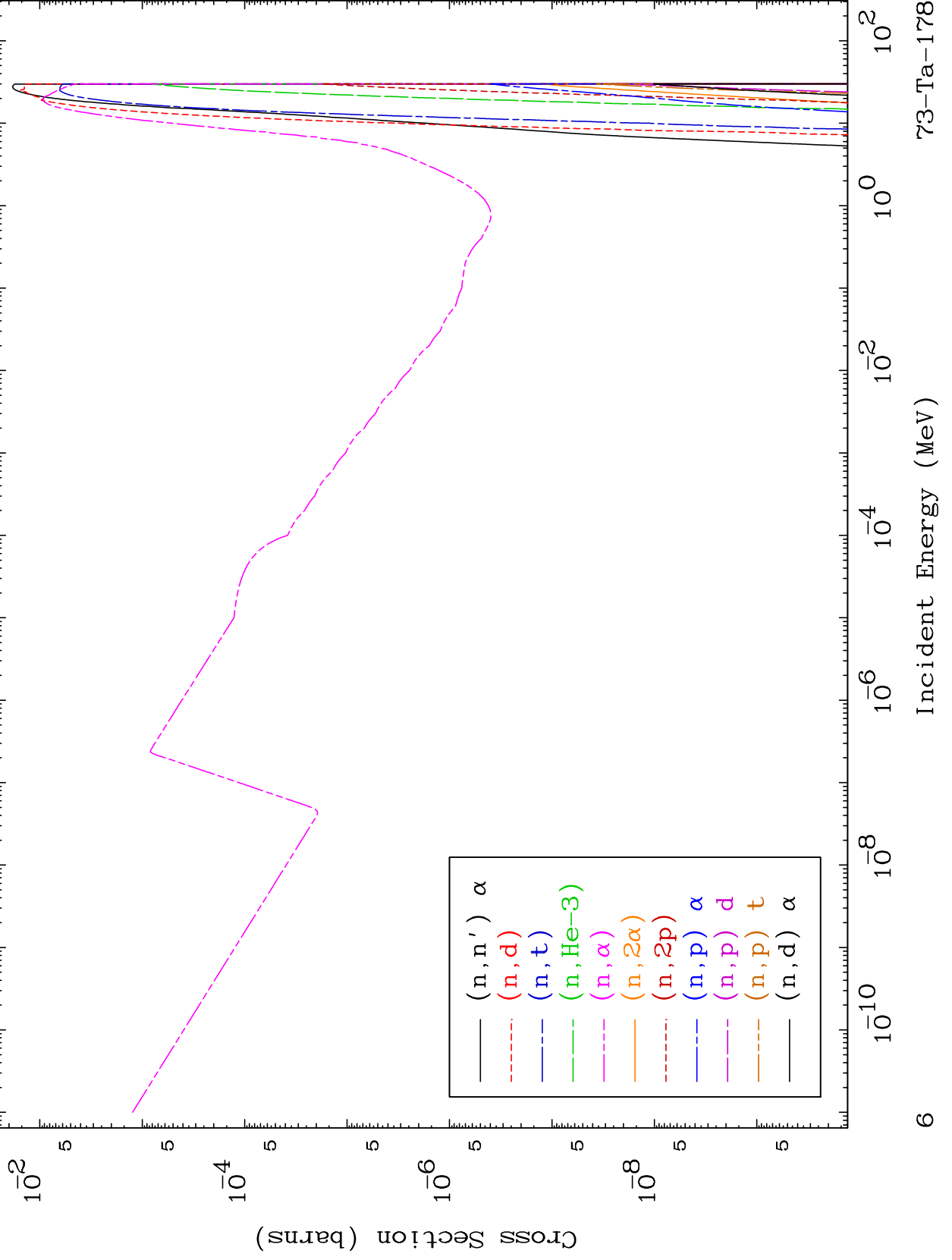
73-Ta-178



MAT 7319

Charged Particle
293 Kelvin Cross Sections

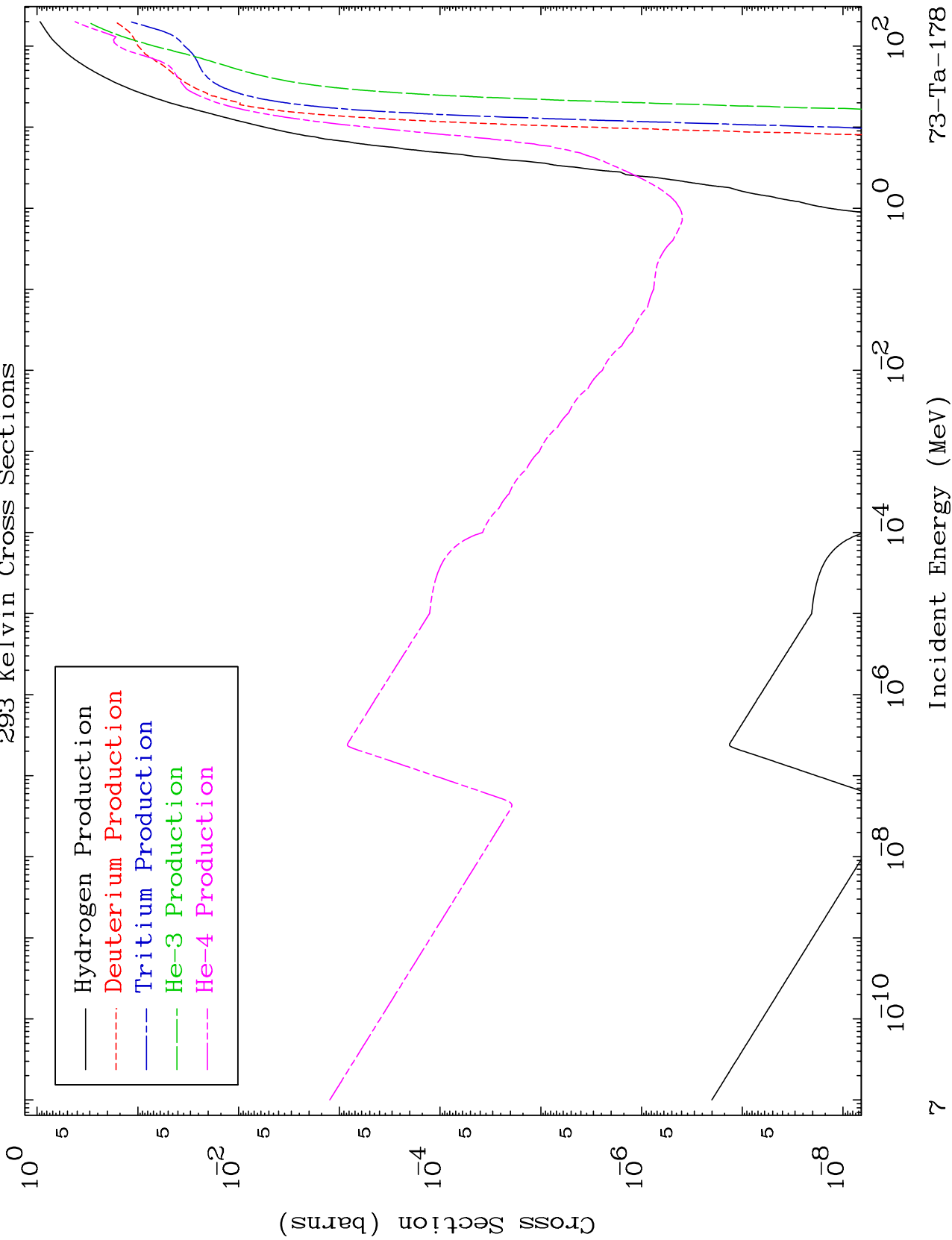
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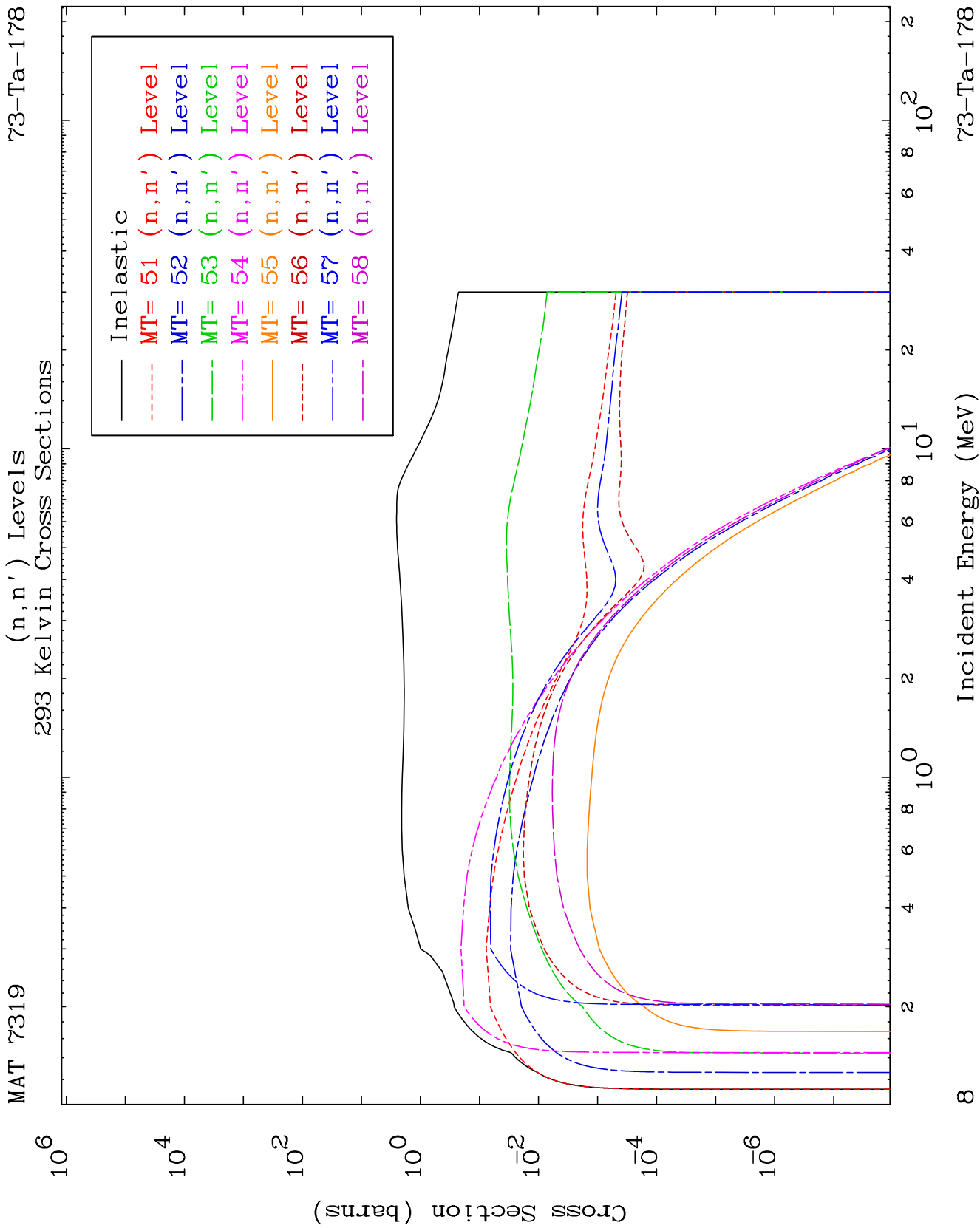


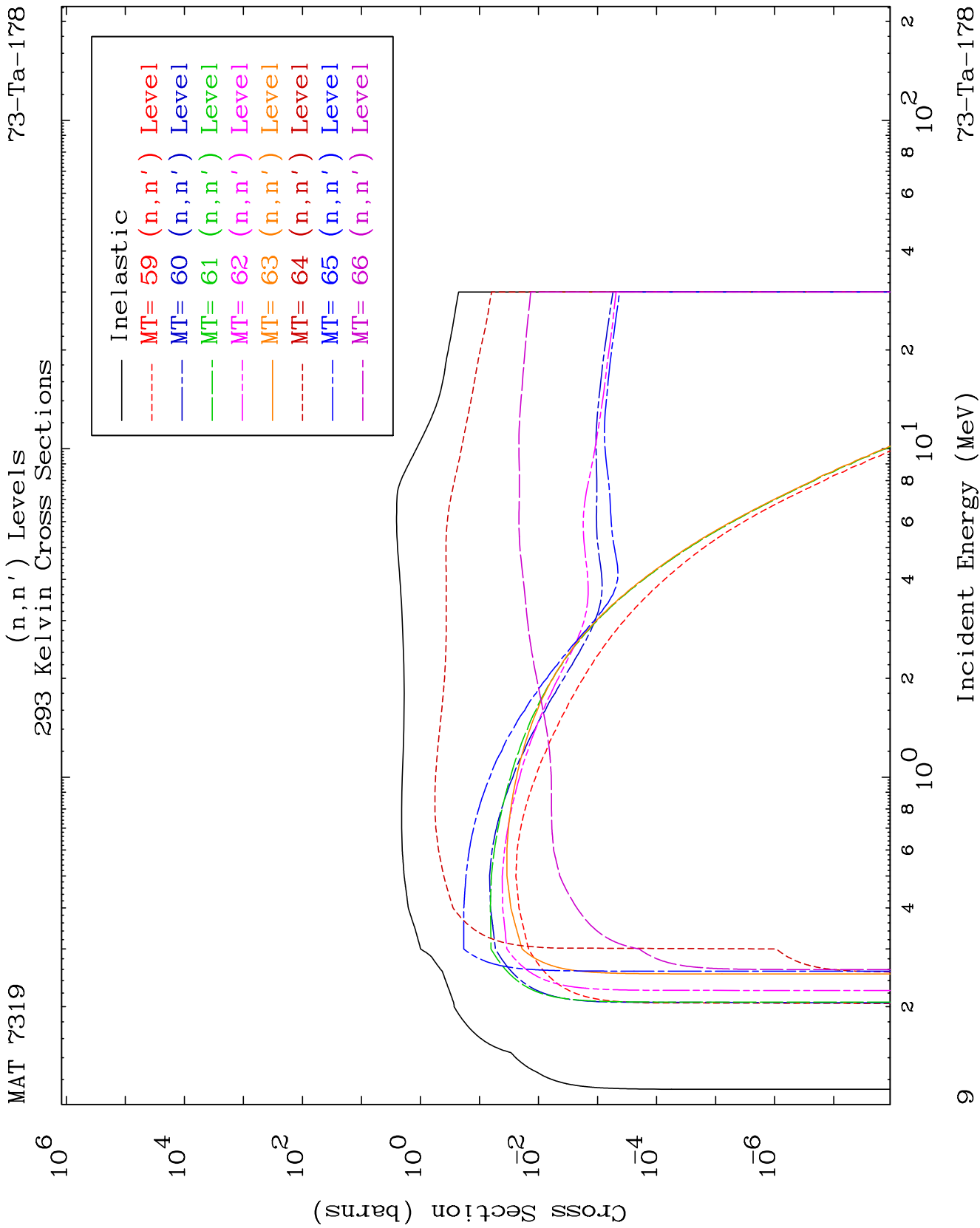
MAT 7319

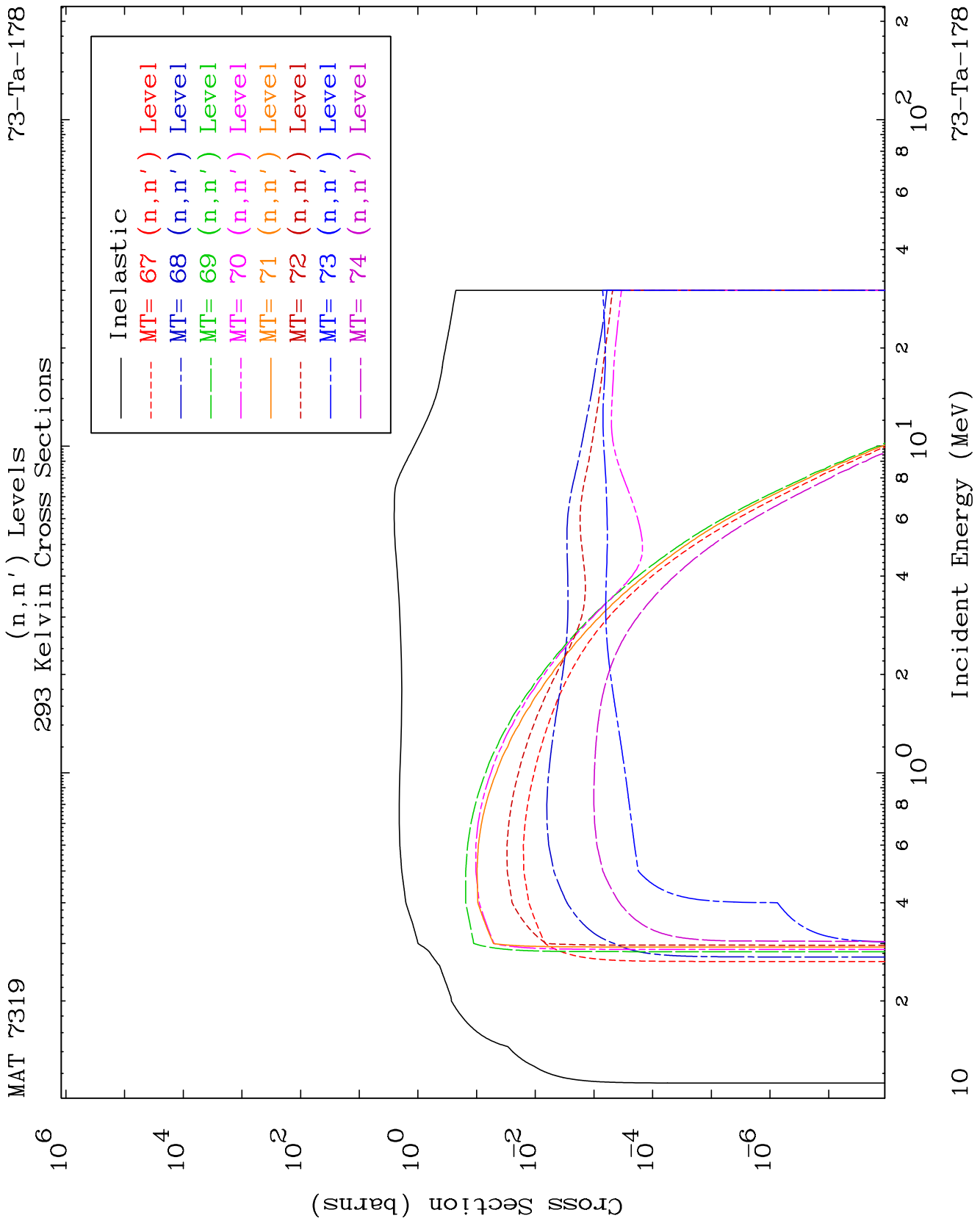
Particle Production
293 Kelvin Cross Sections

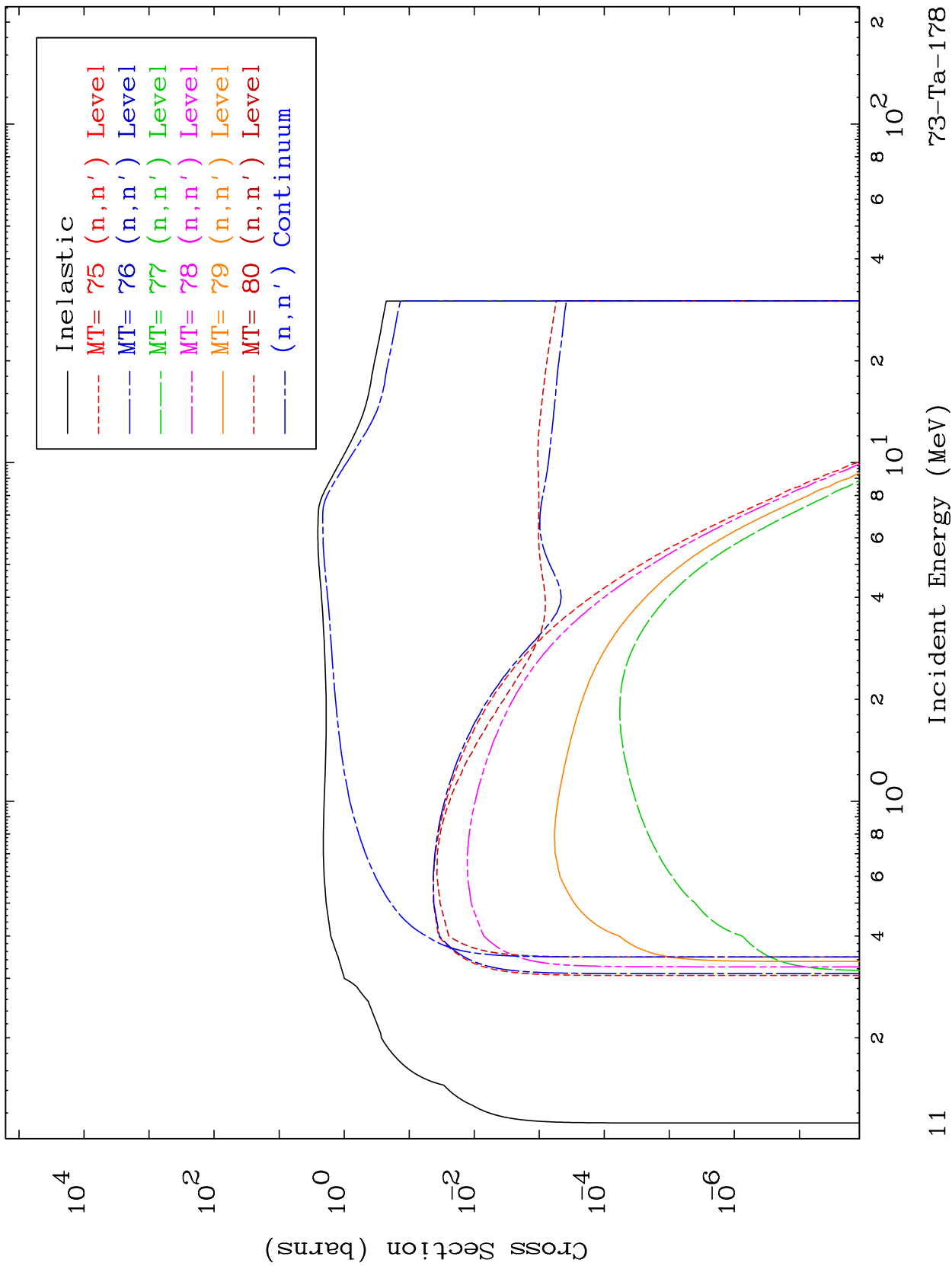
73-Ta-178







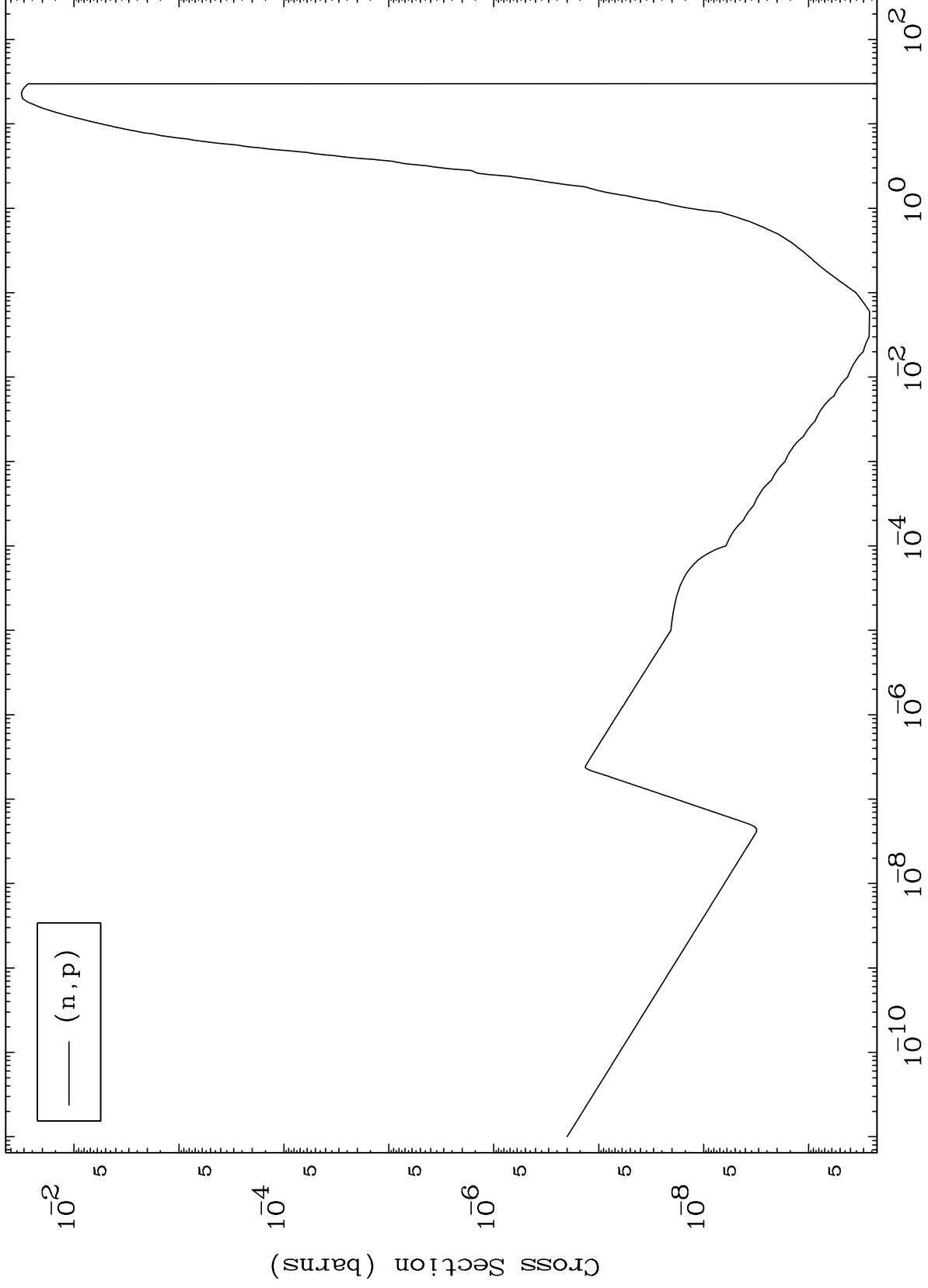




MAT 7319

(n,p) Levels
293 Kelvin Cross Sections

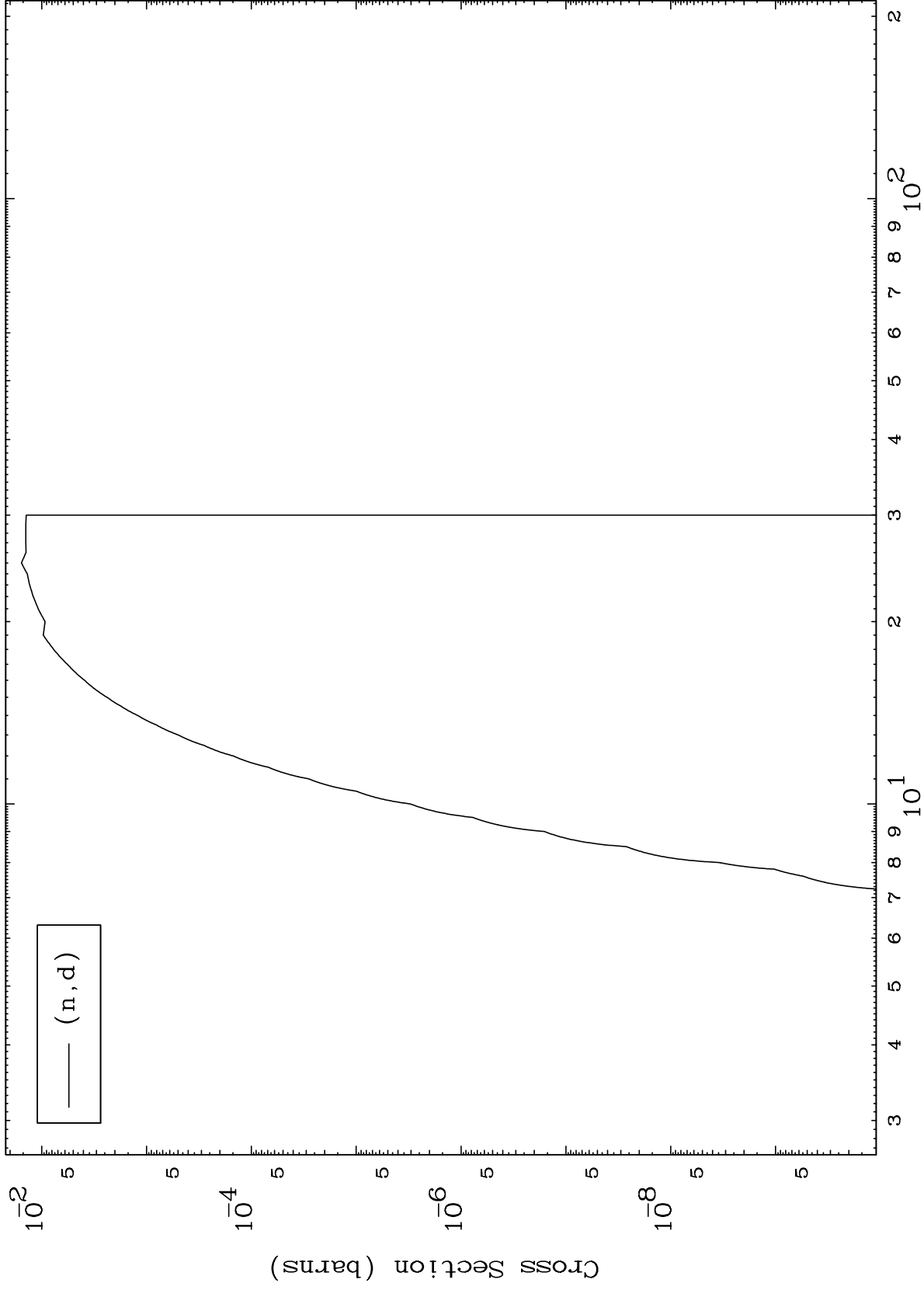
73-Ta-178



MAT 7319

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-178



13

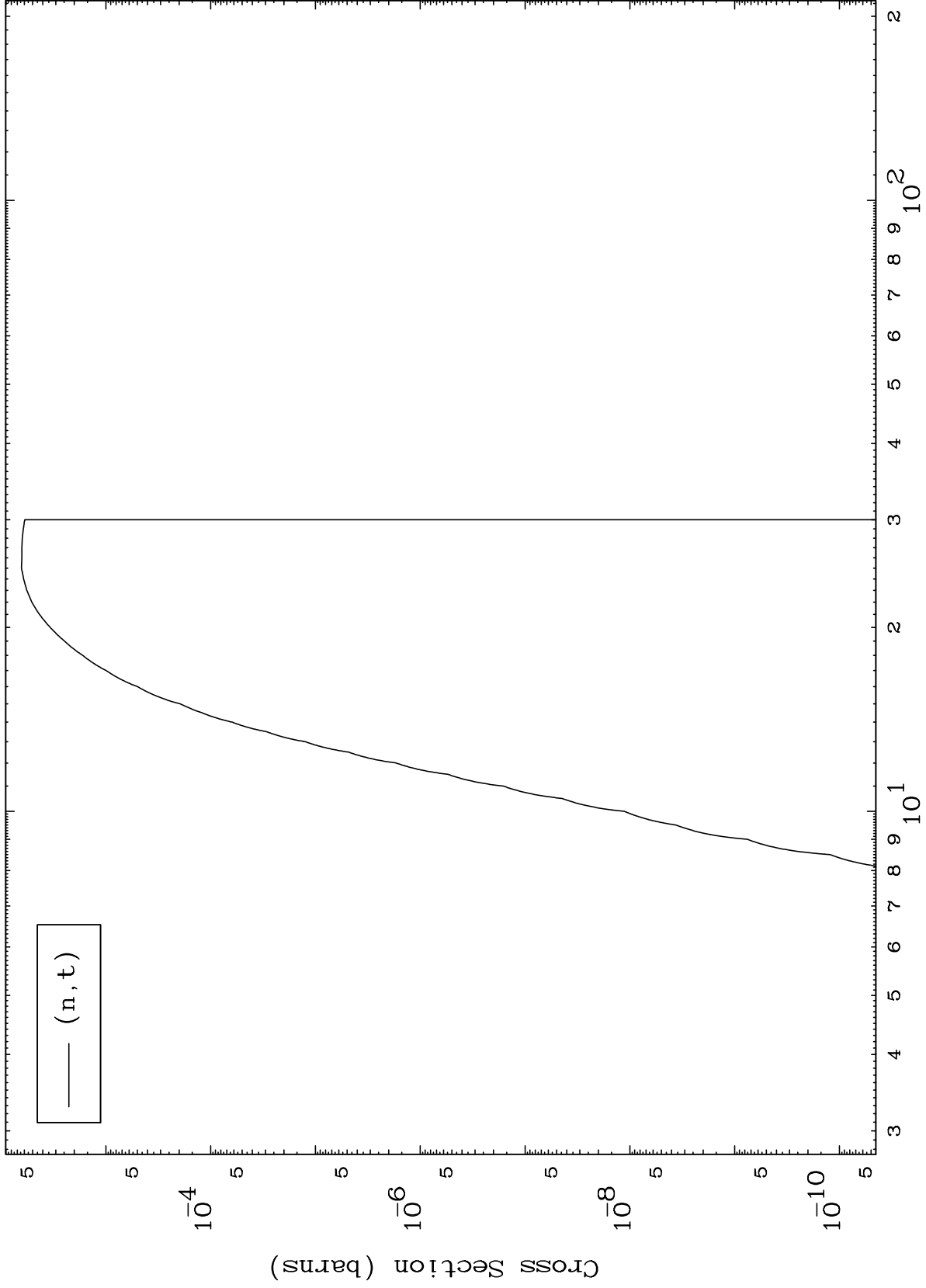
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-178



14

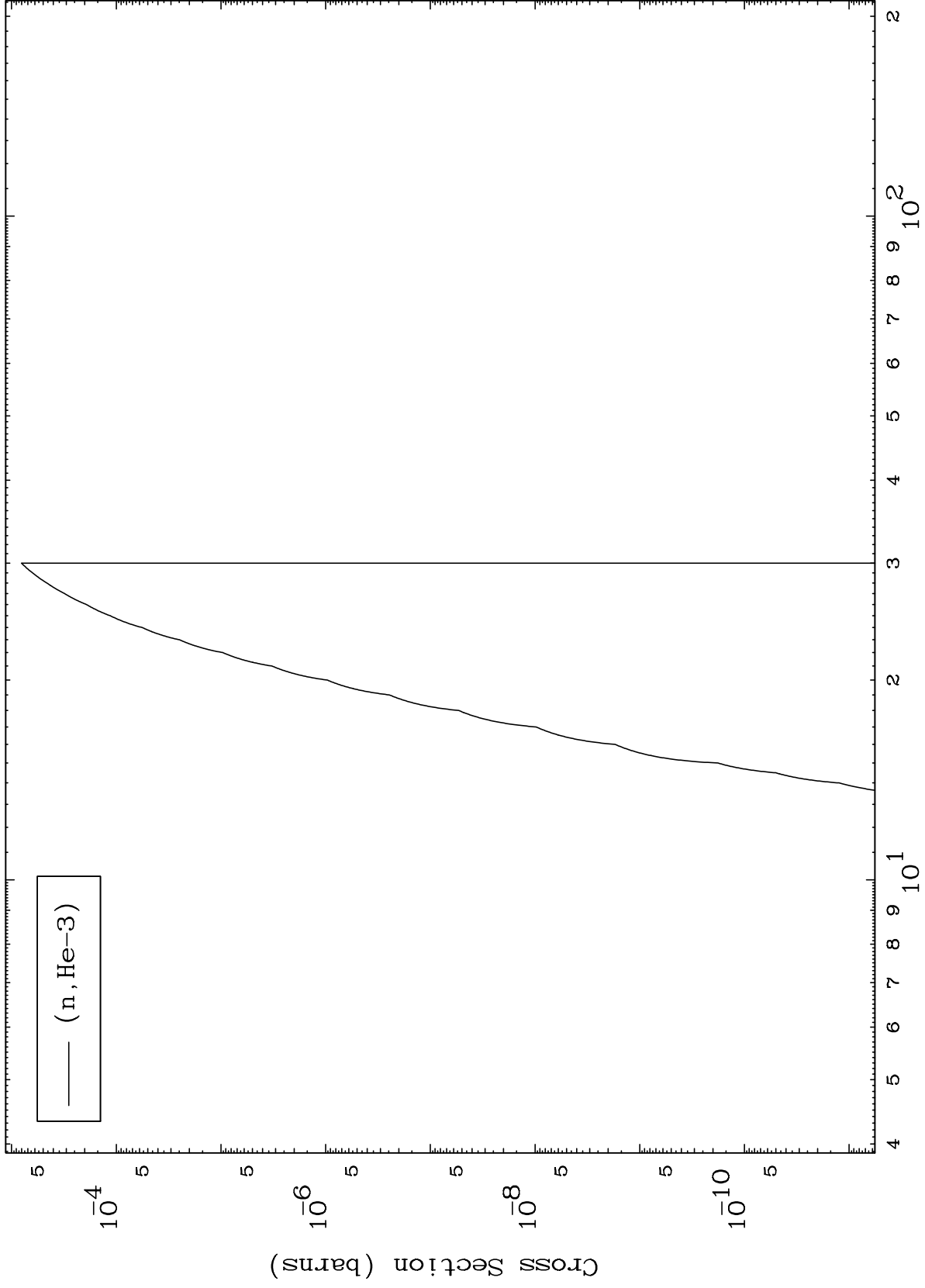
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-178



15

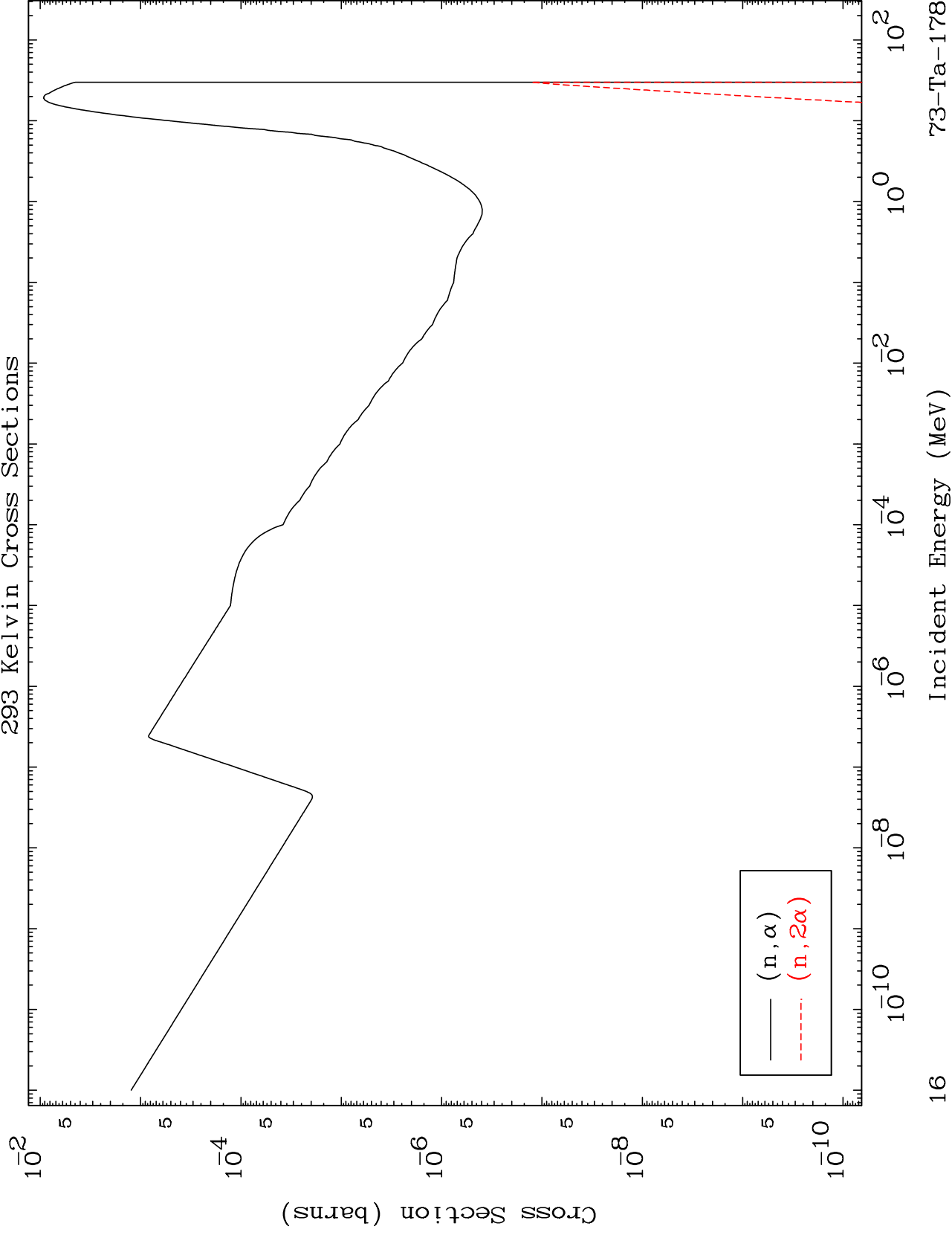
Incident Energy (MeV)

73-Ta-178

MAT 7319

(n, α) Levels
293 Kelvin Cross Sections

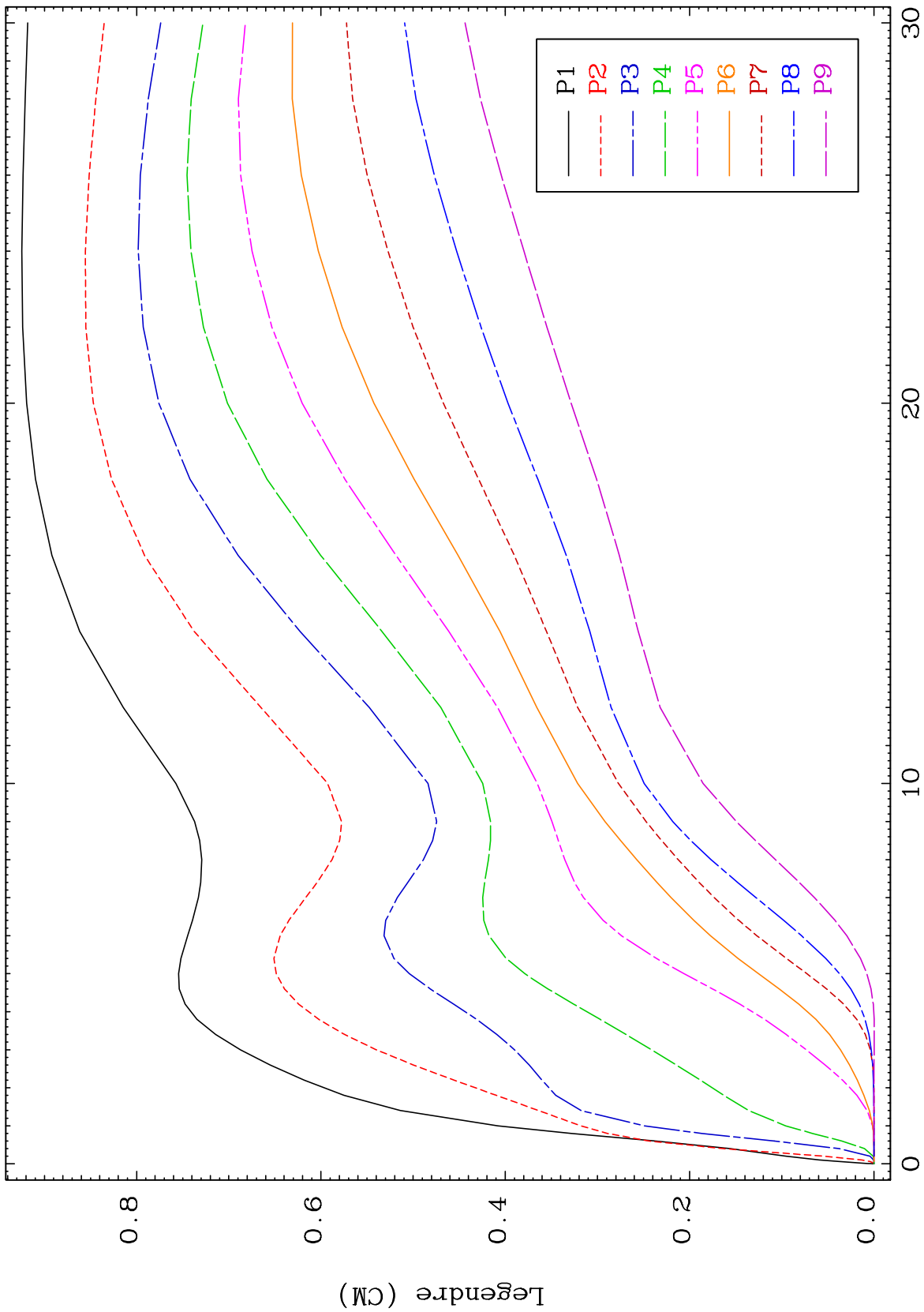
73-Ta-178



MAT 7319

Elastic Legendre Coefficients

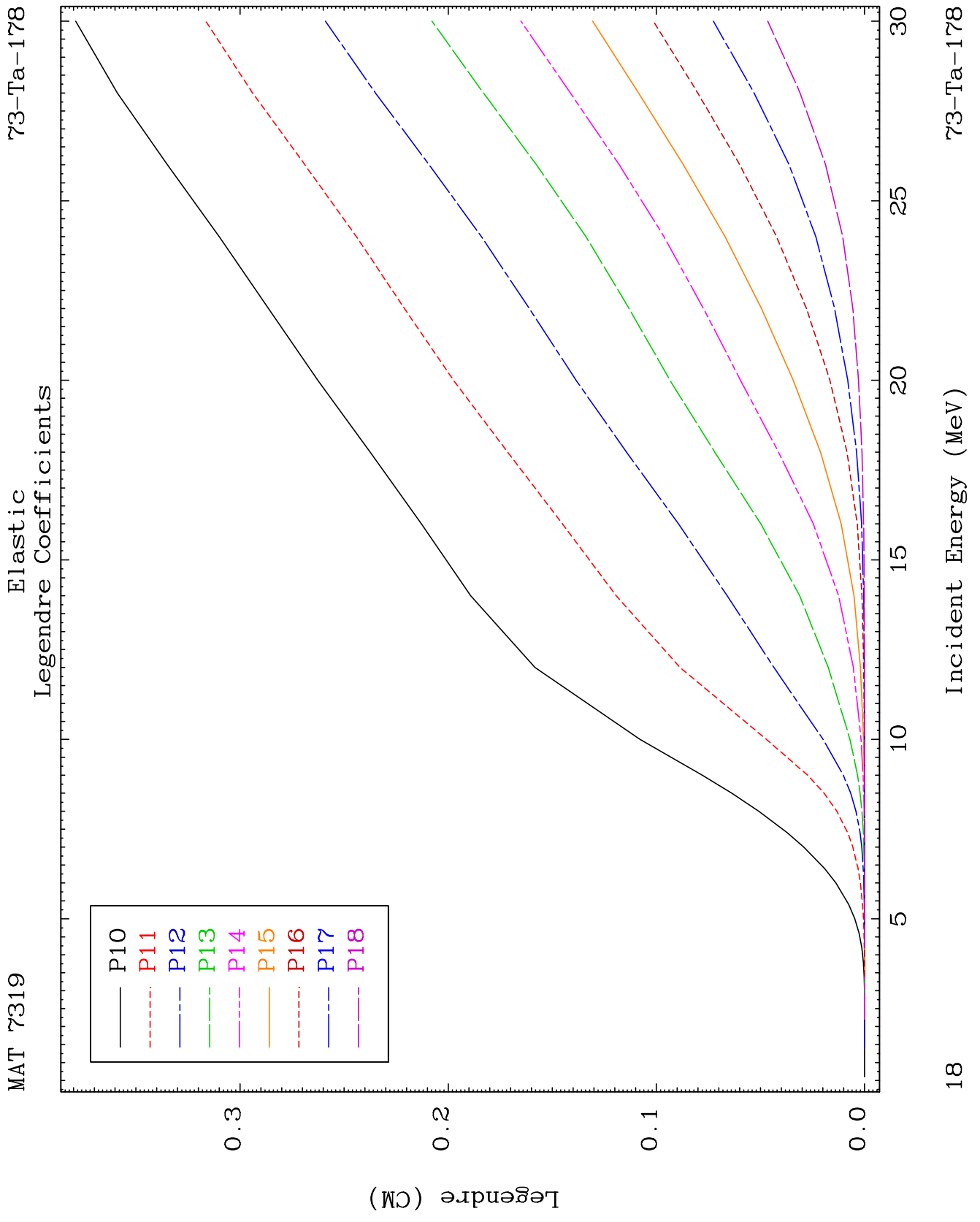
⁷³Ta-178



17

Incident Energy (MeV)

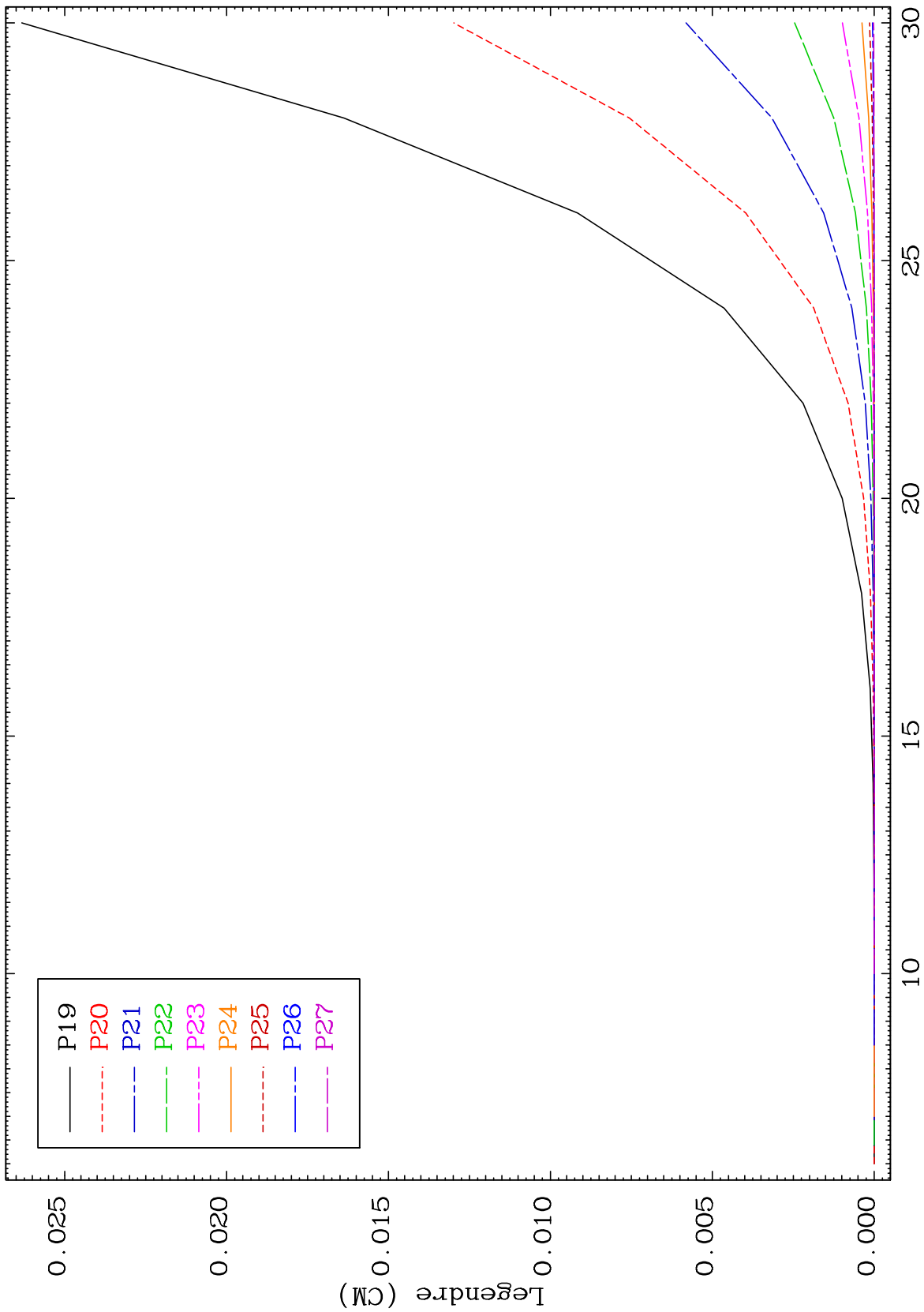
⁷³Ta-178



MAT 7319

Elastic Legendre Coefficients

73-Ta-178



19

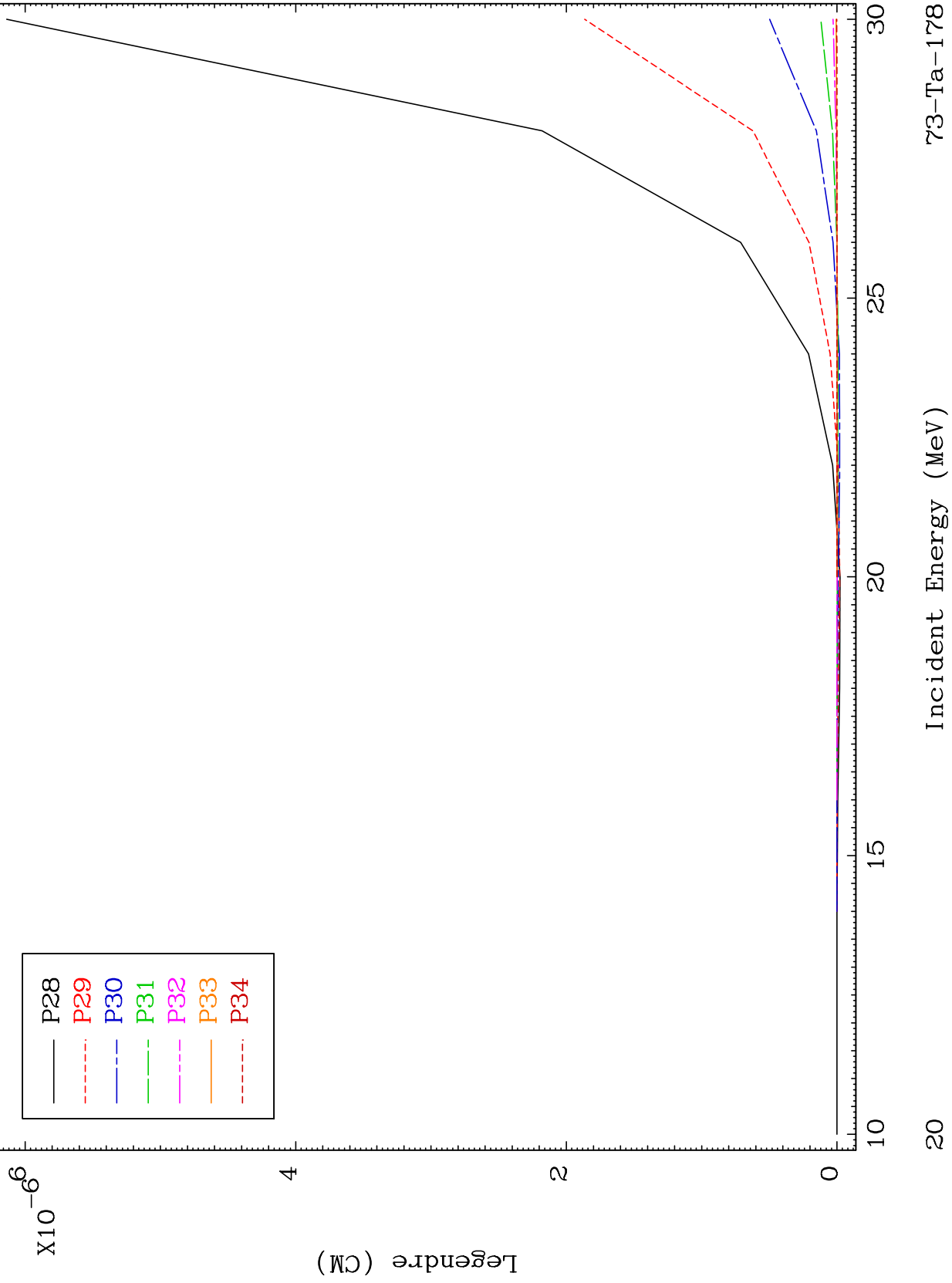
Incident Energy (MeV)

73-Ta-178

MAT 7319

Elastic
Legendre Coefficients

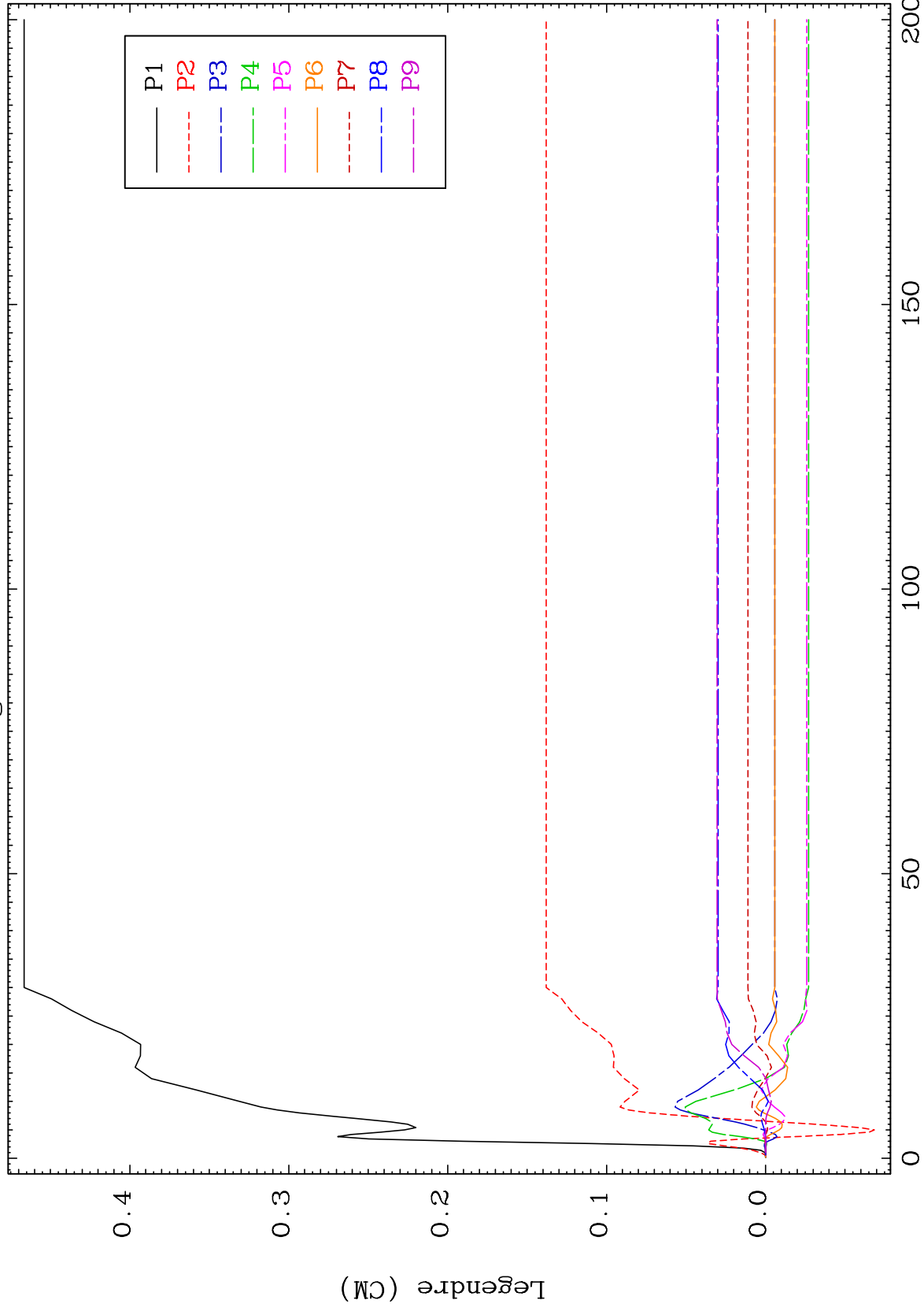
73-Ta-178



MAT 7319

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

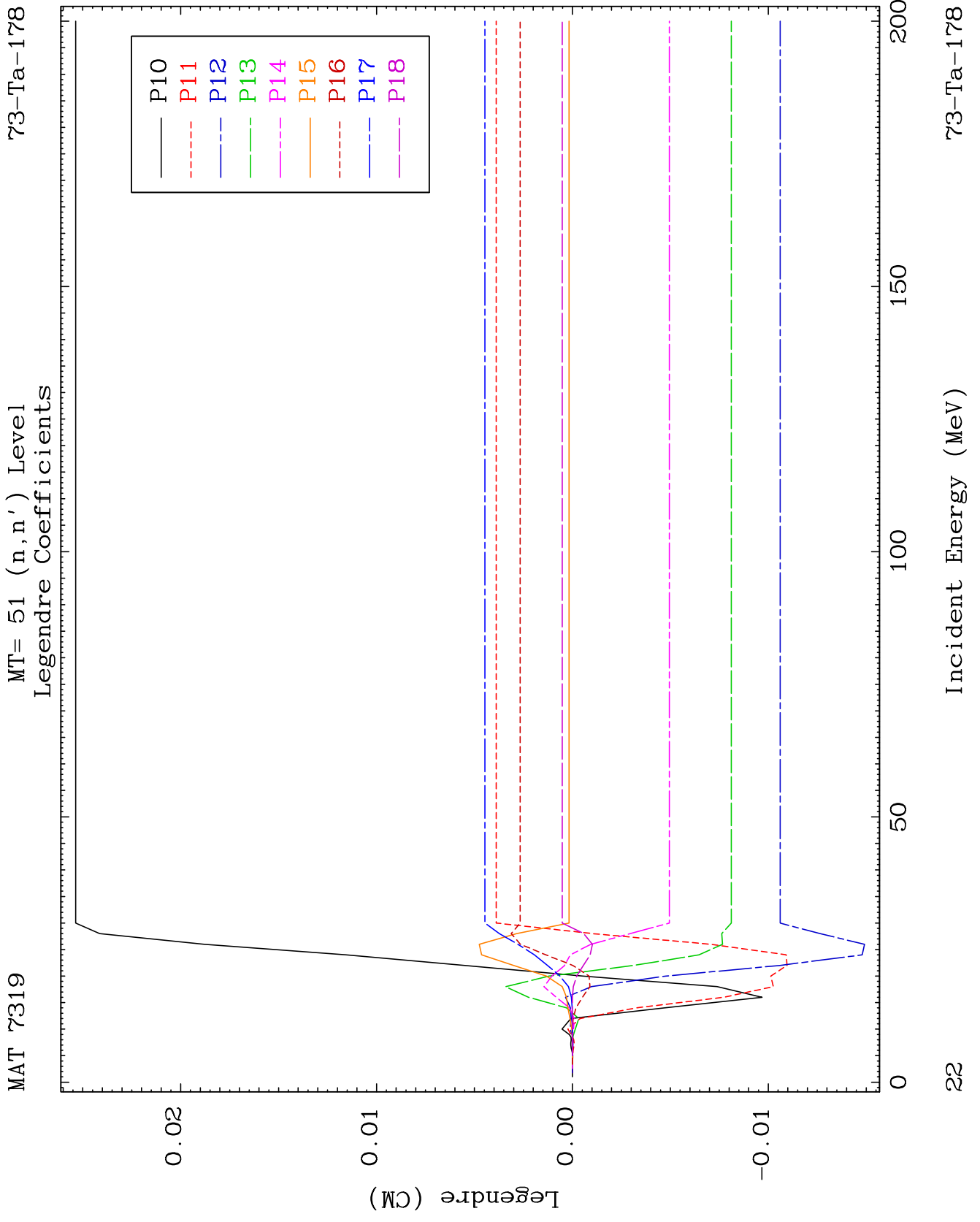
73-Ta-178



21

Incident Energy (MeV)

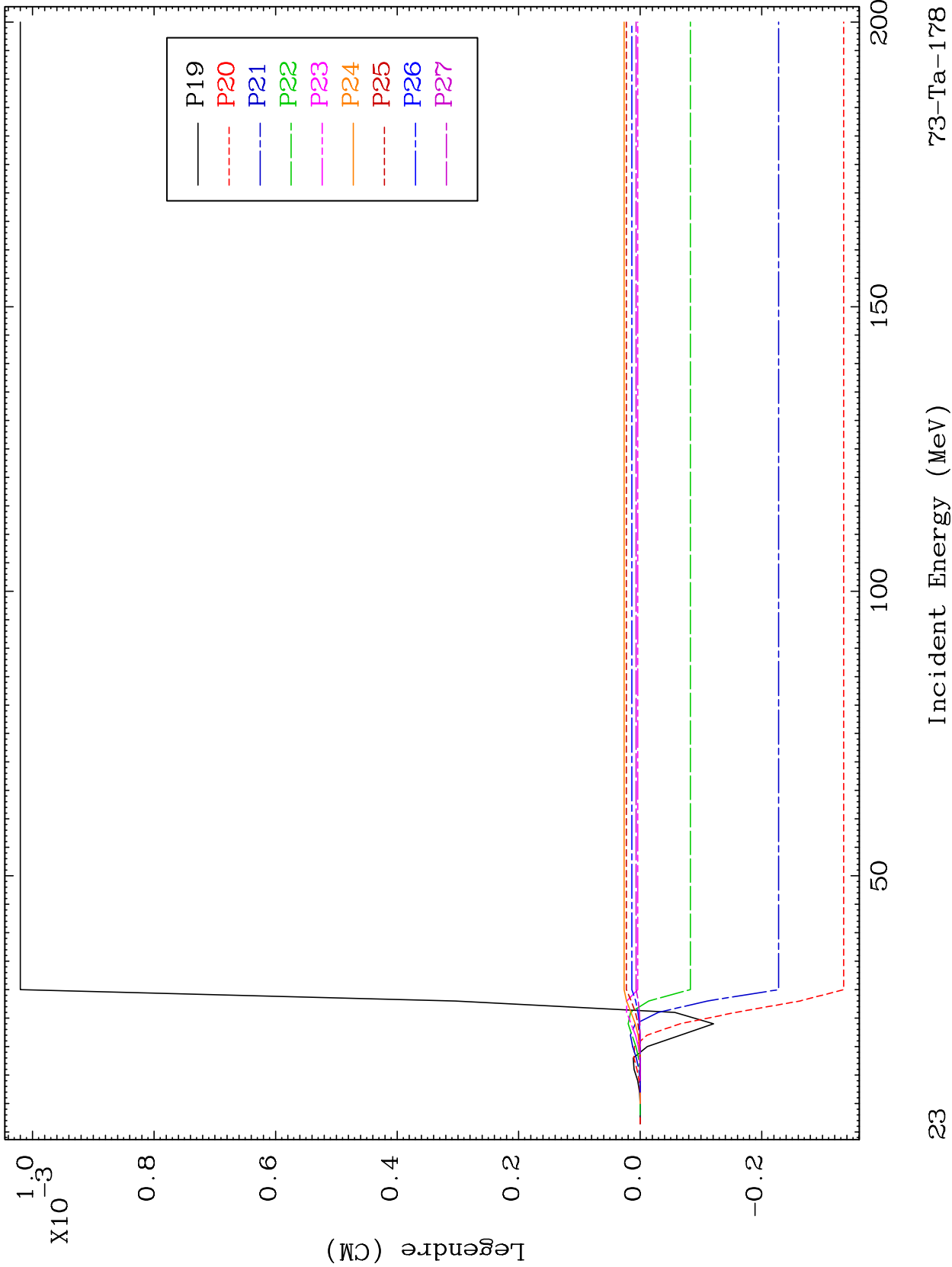
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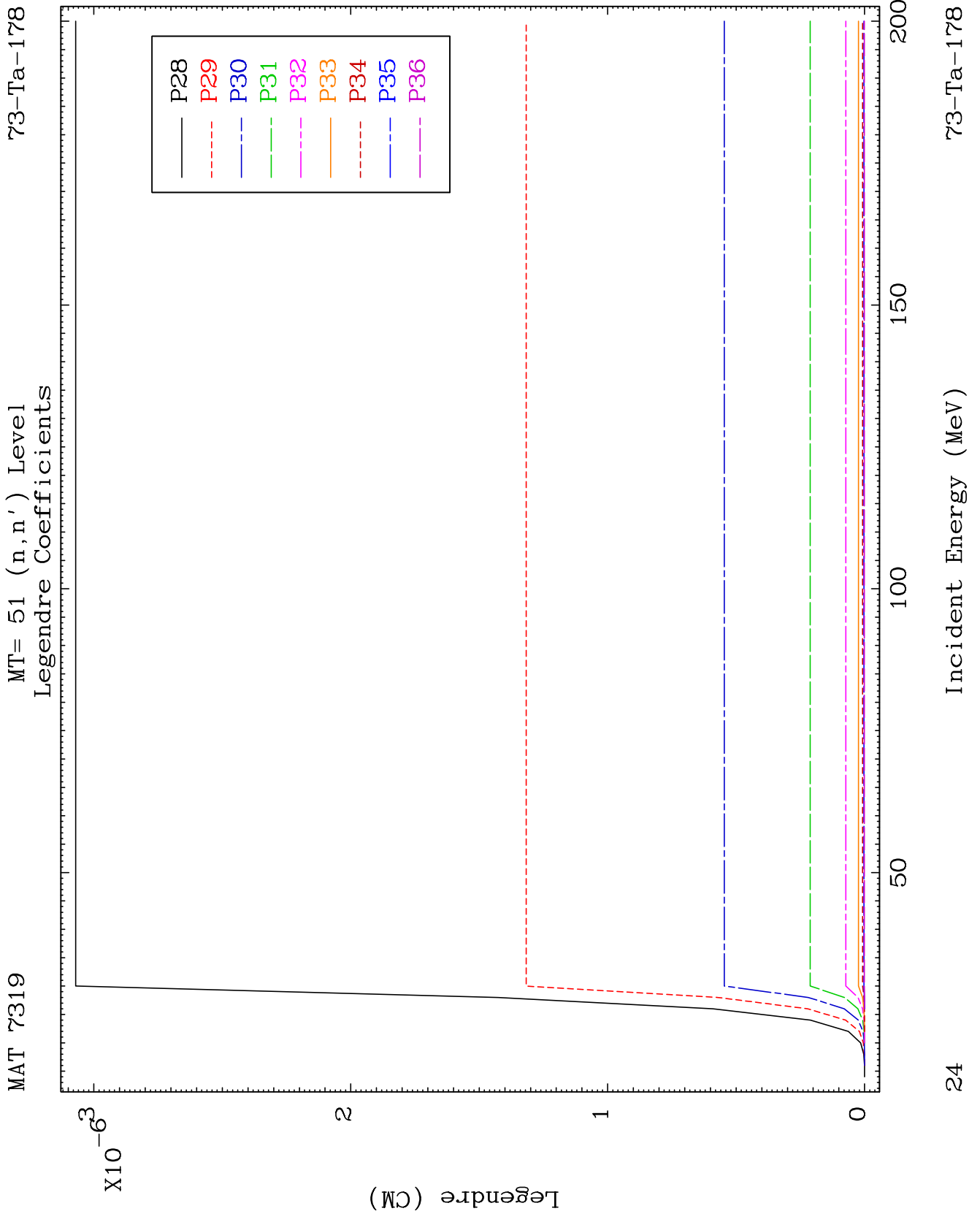


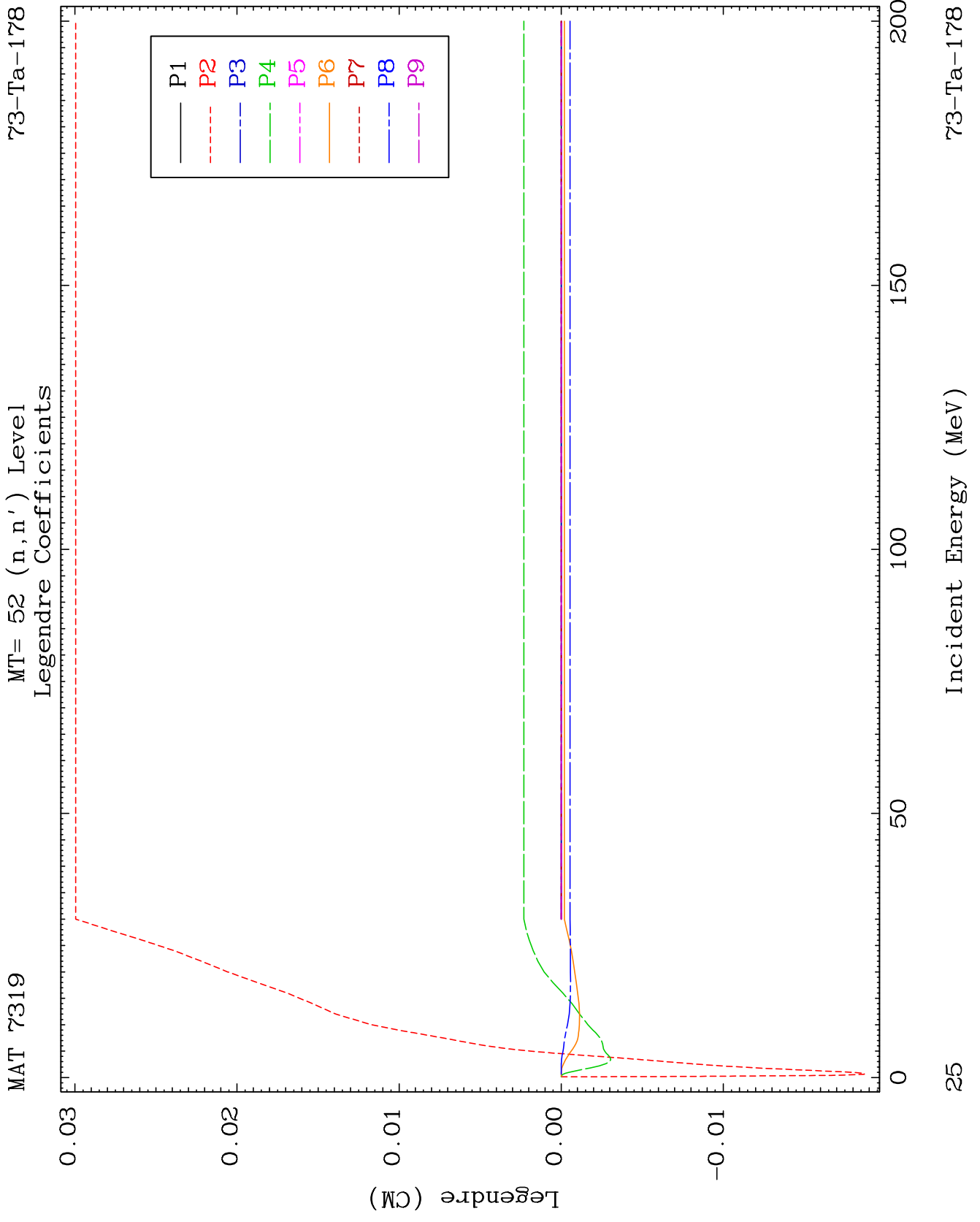
MAT 7319

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

73-Ta-178



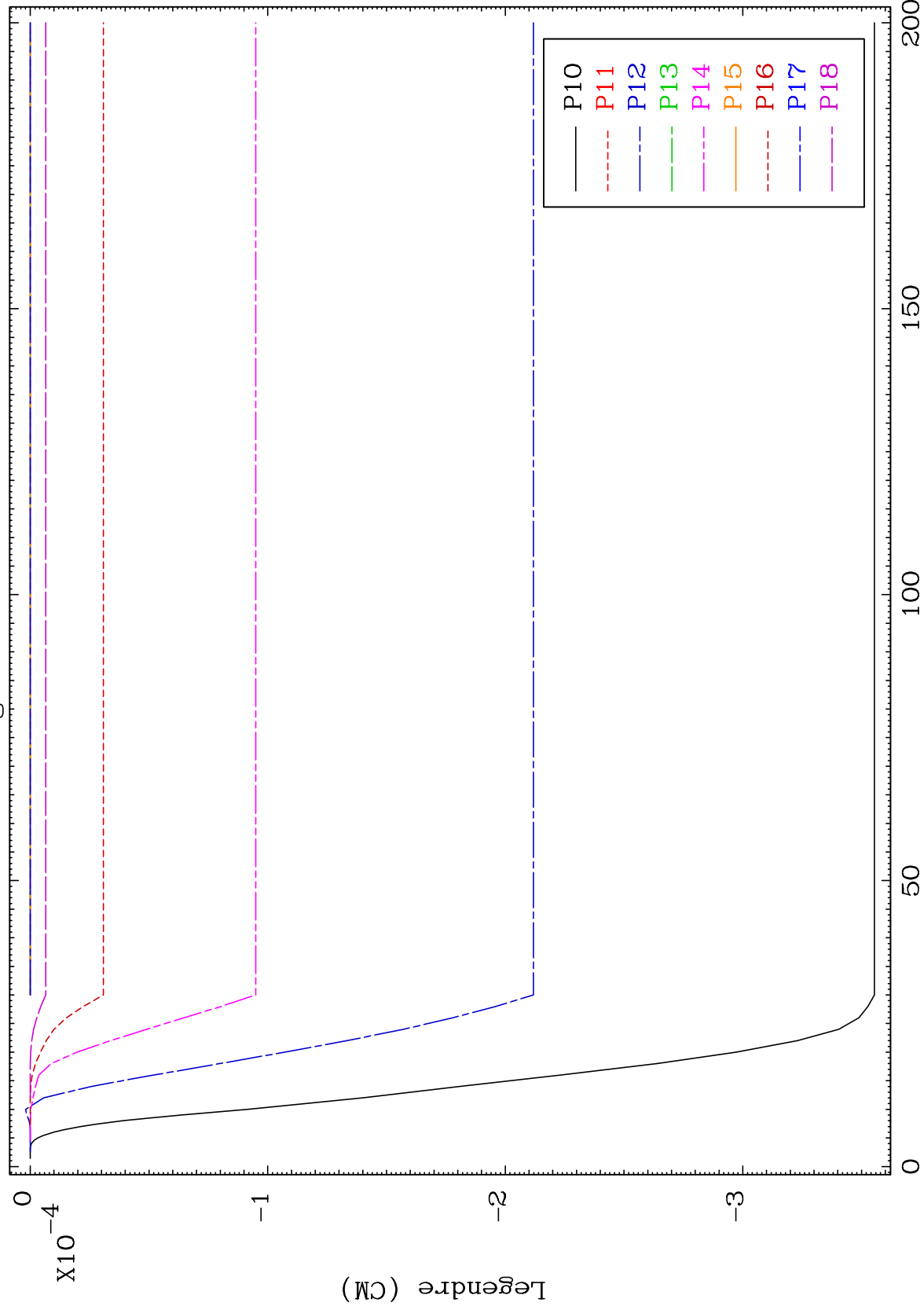




MAT 7319

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

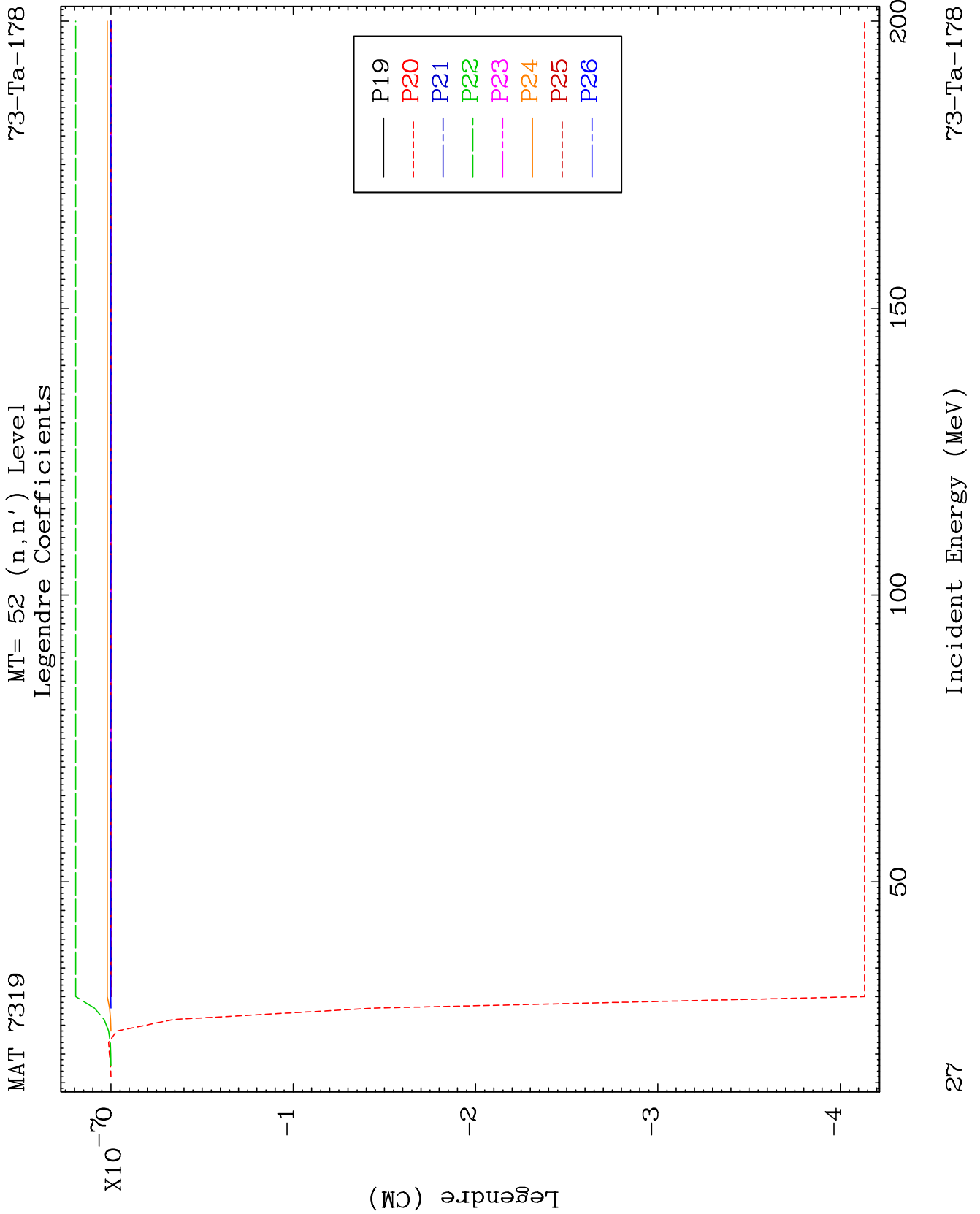
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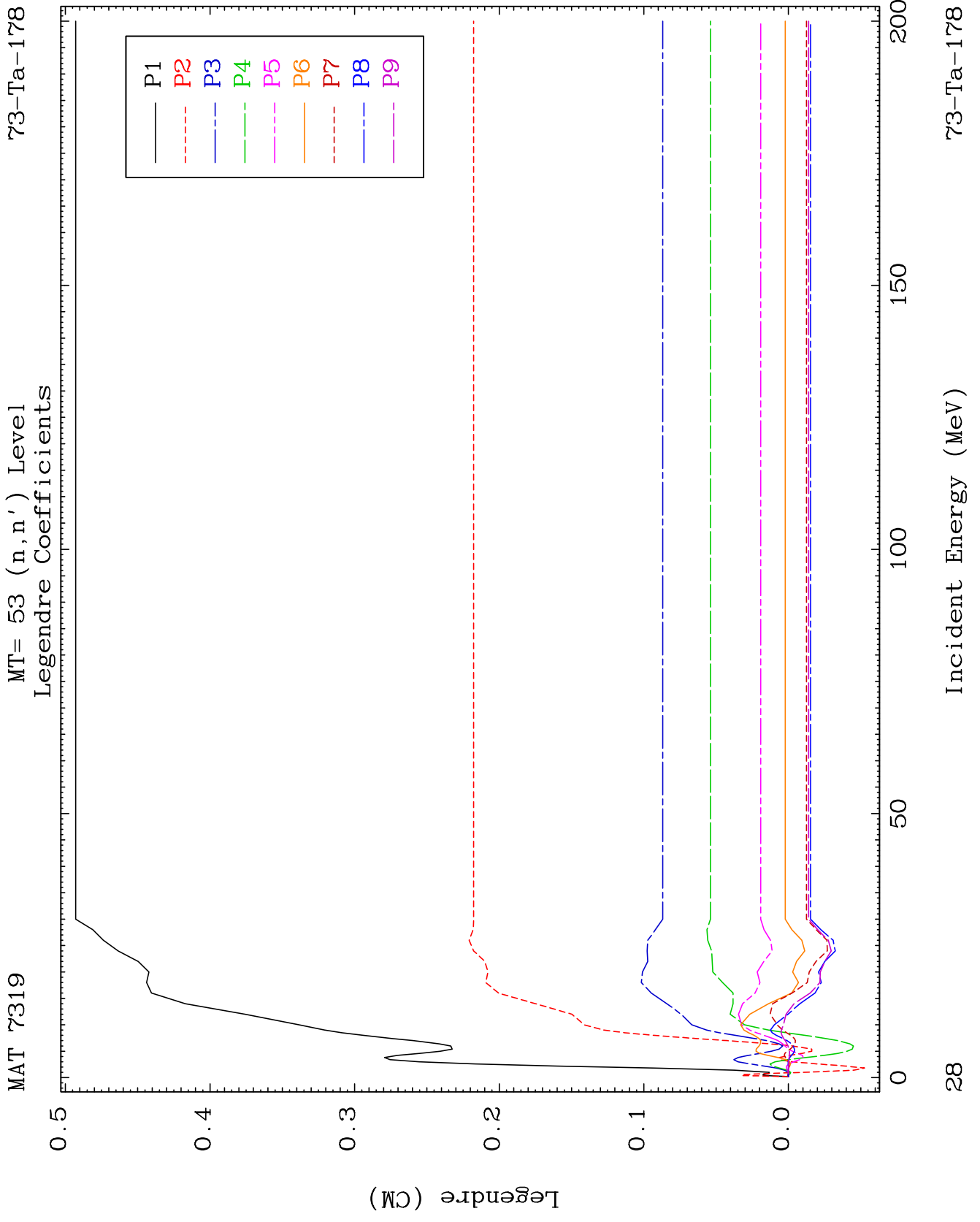


26

Incident Energy (MeV)

73-Ta-178

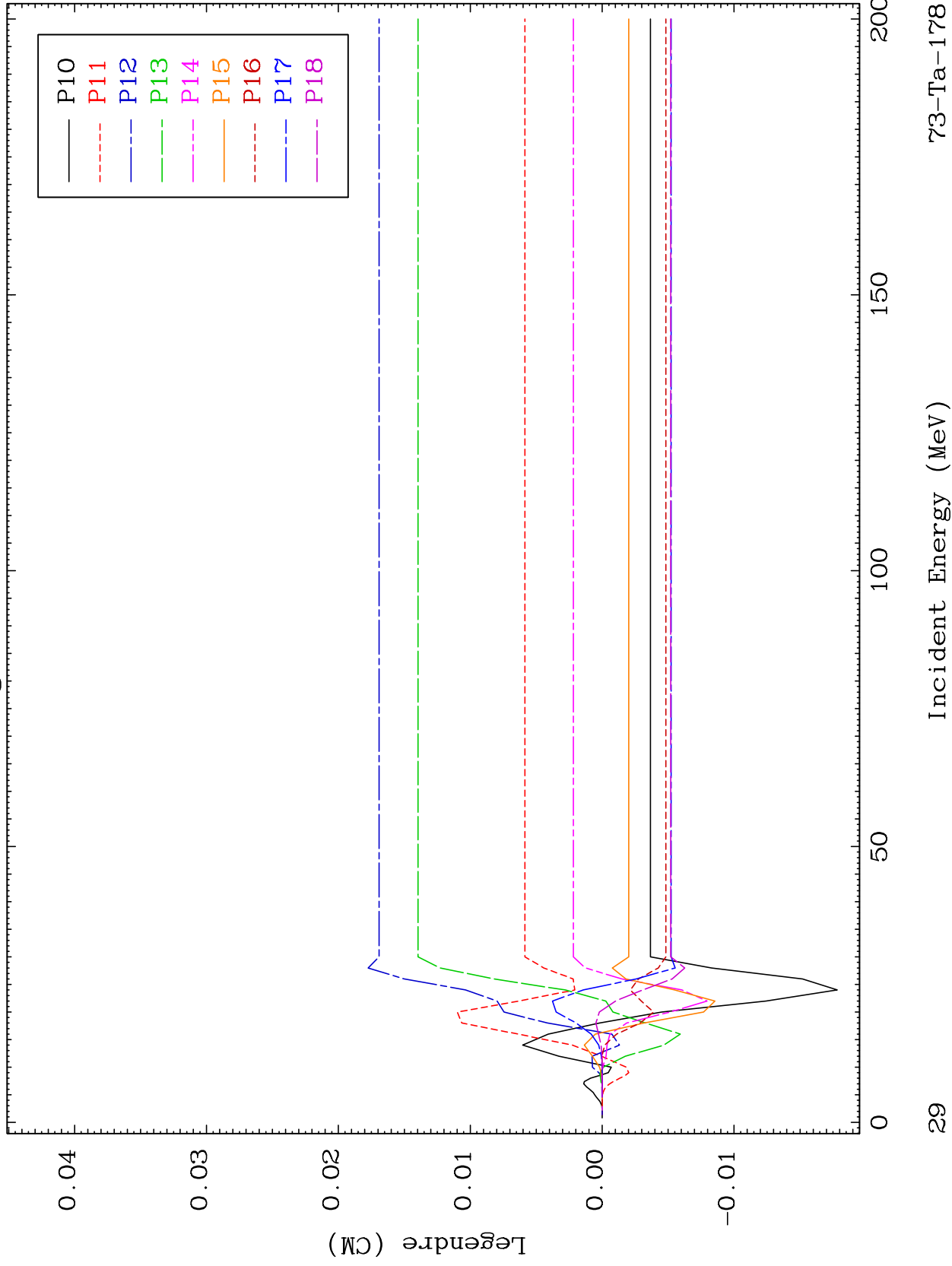




MAT 7319

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

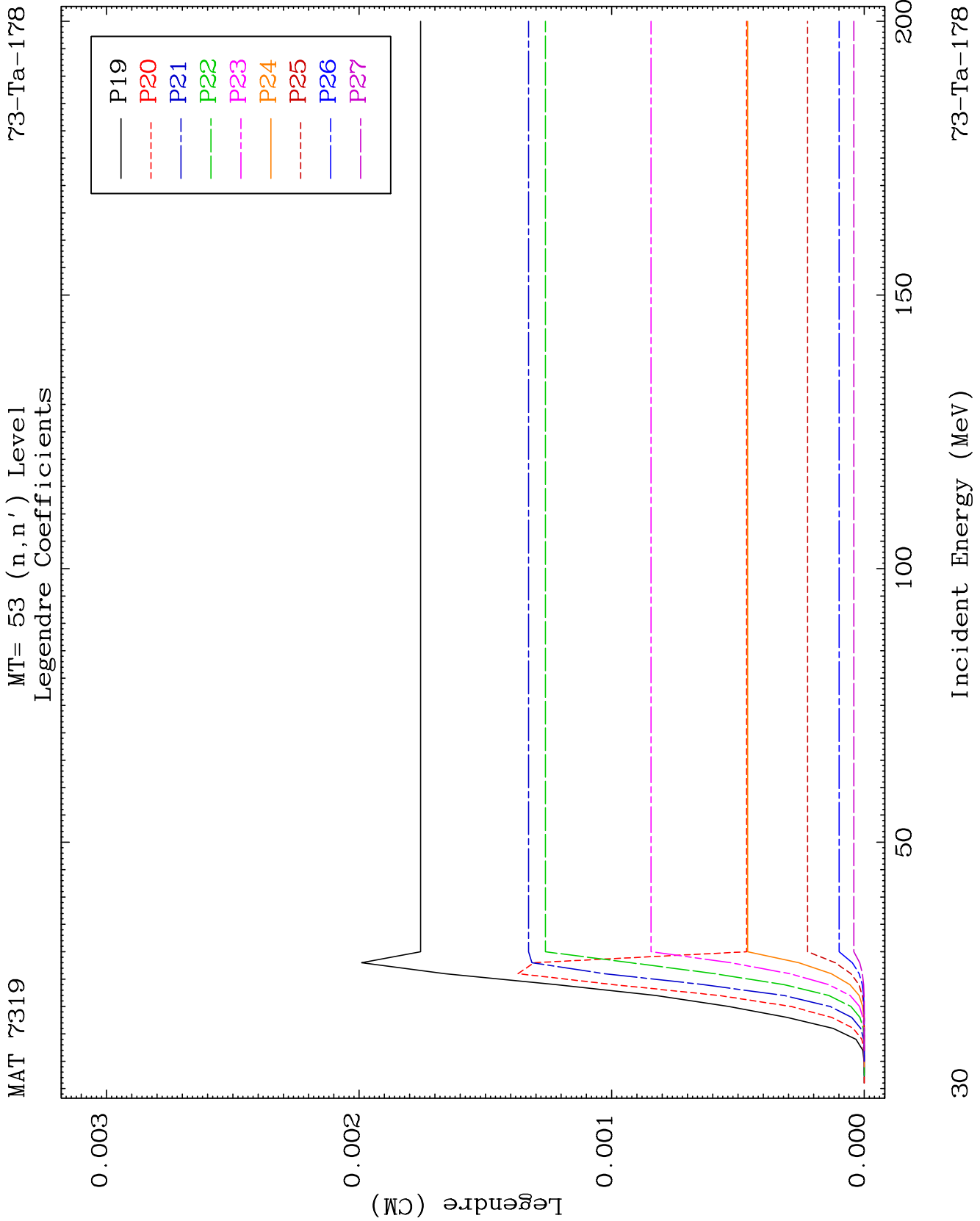
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29

Incident Energy (MeV)

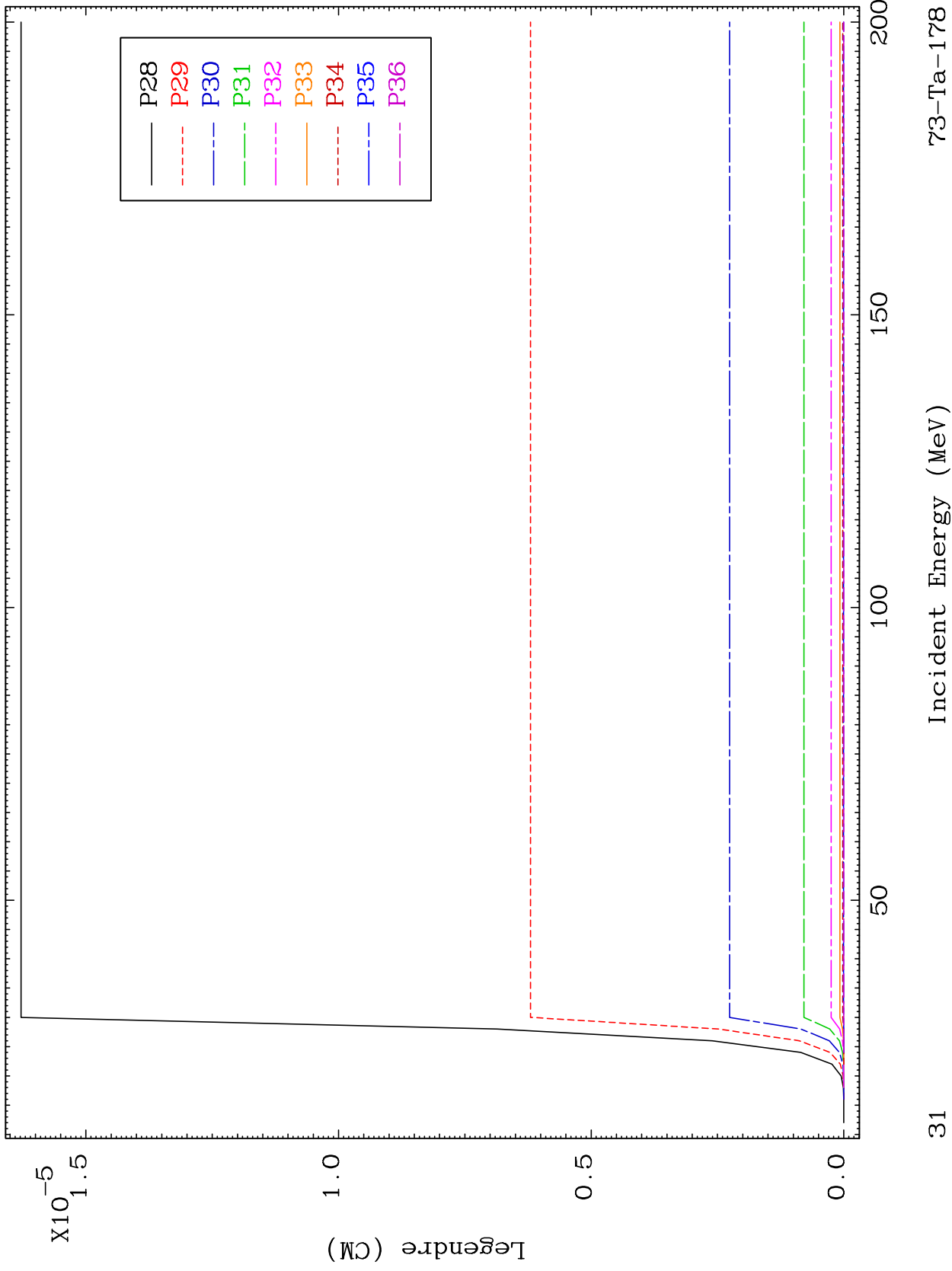
73-Ta-178



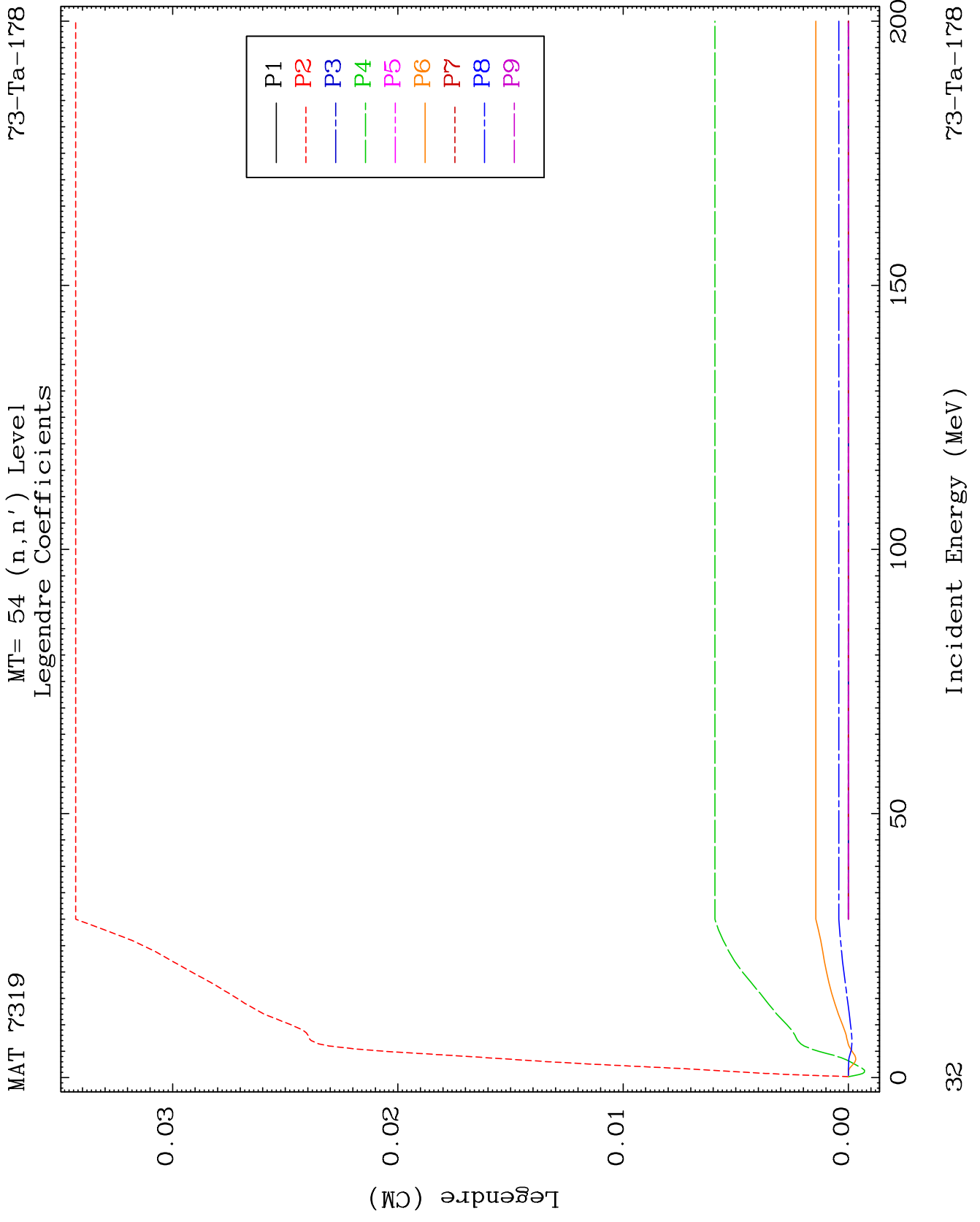
MAT 7319

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

73-Ta-178



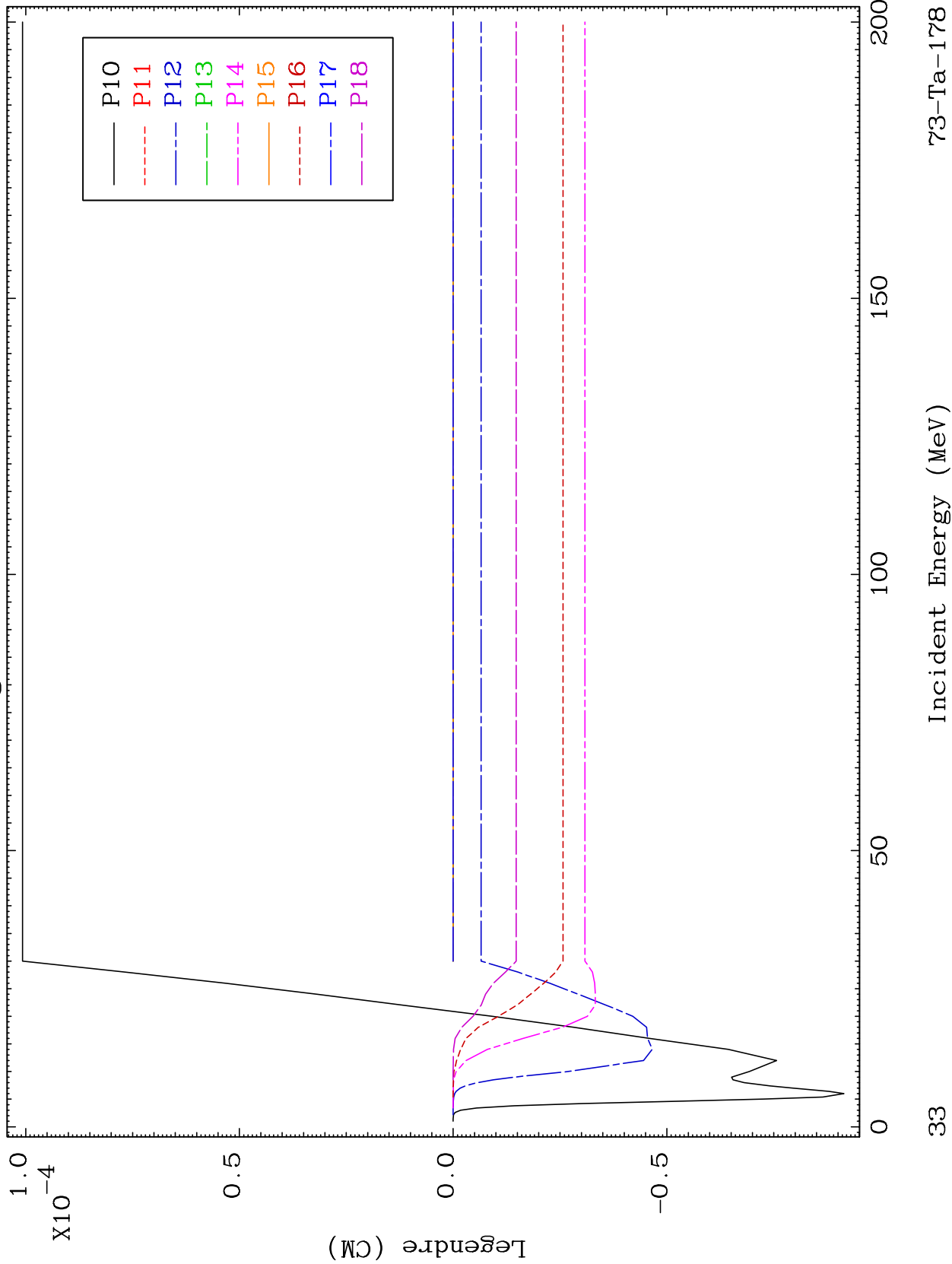
31



MAT 7319

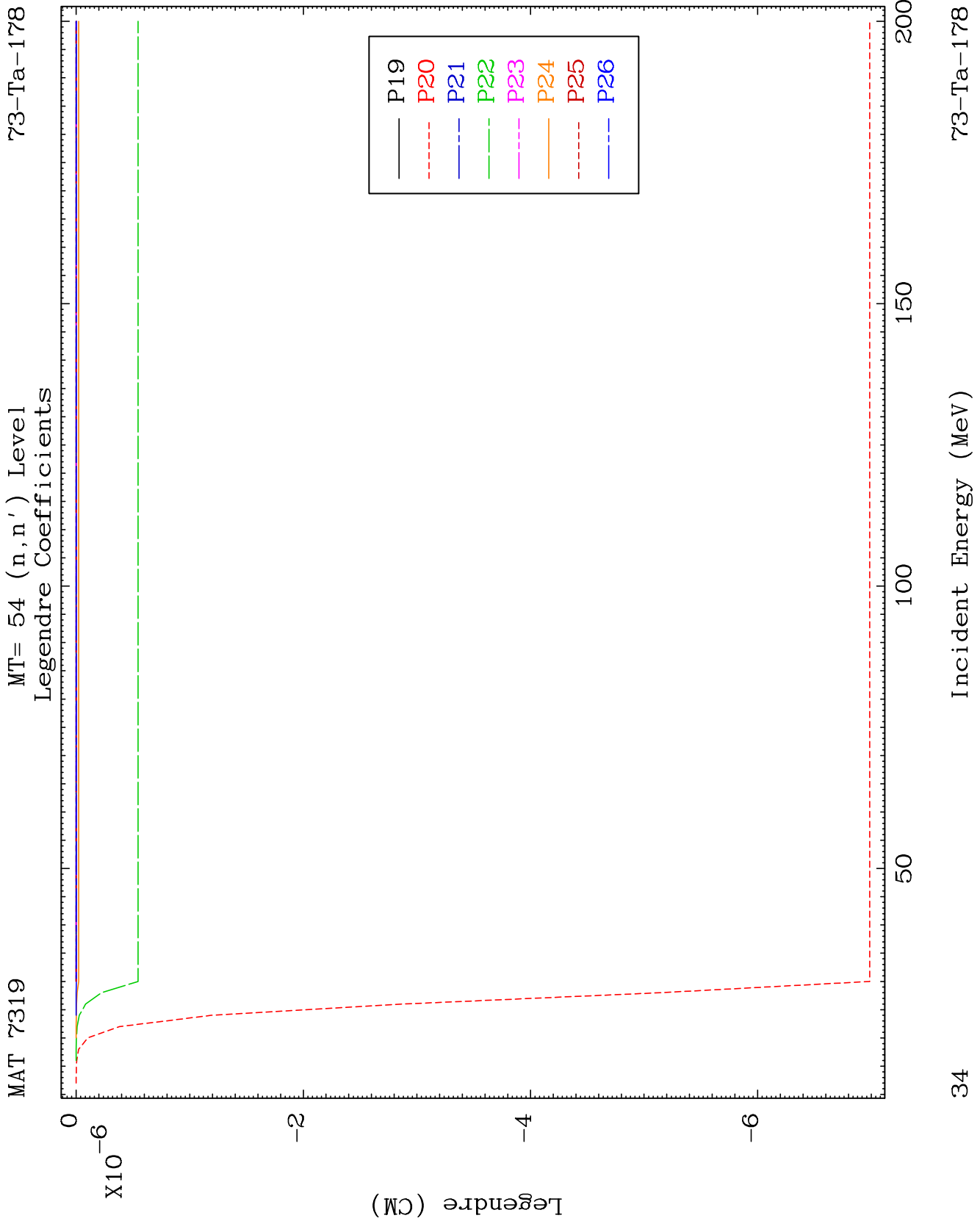
MT= 54 (n,n') Level
Legendre Coefficients

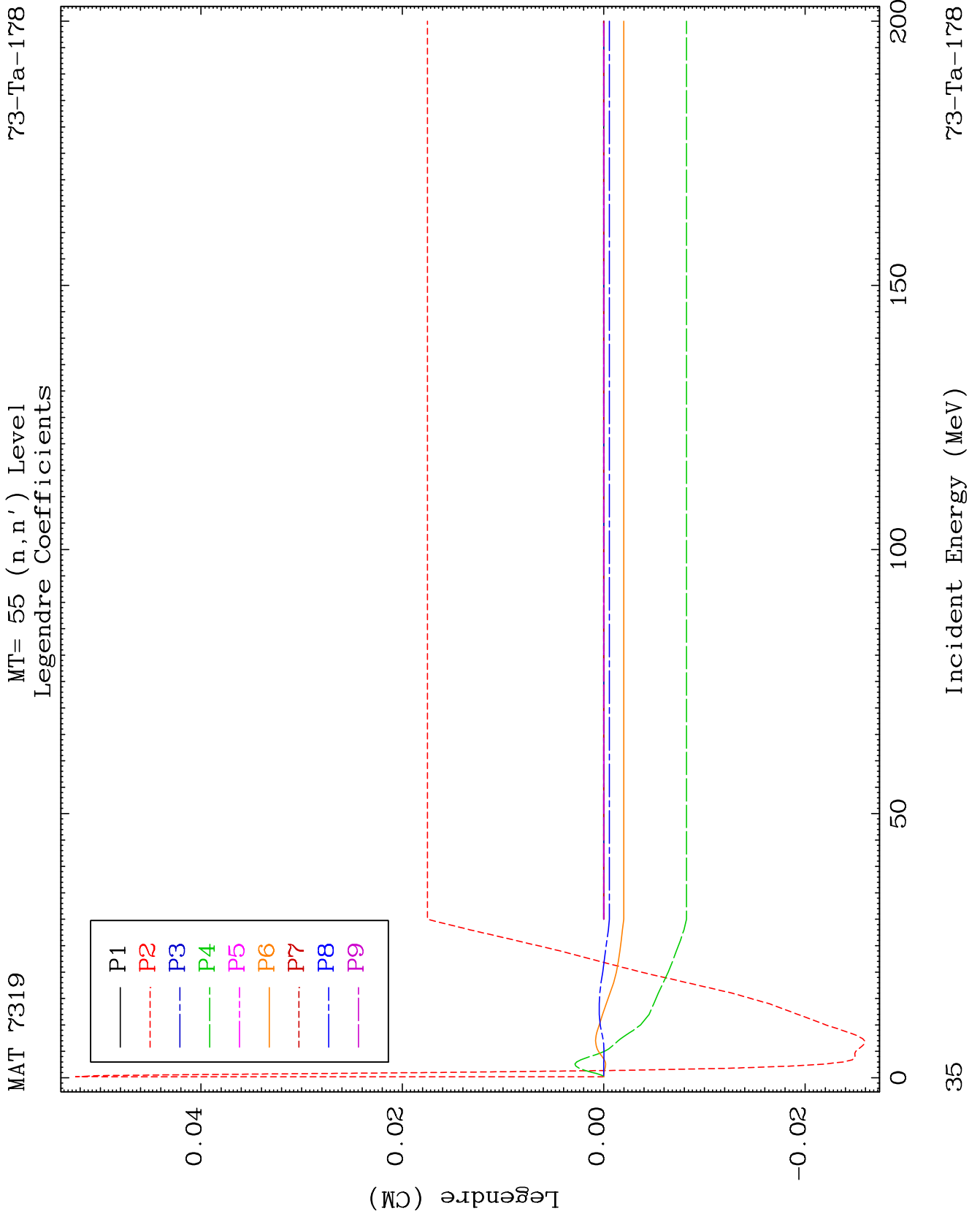
73-Ta-178



33

73-Ta-178

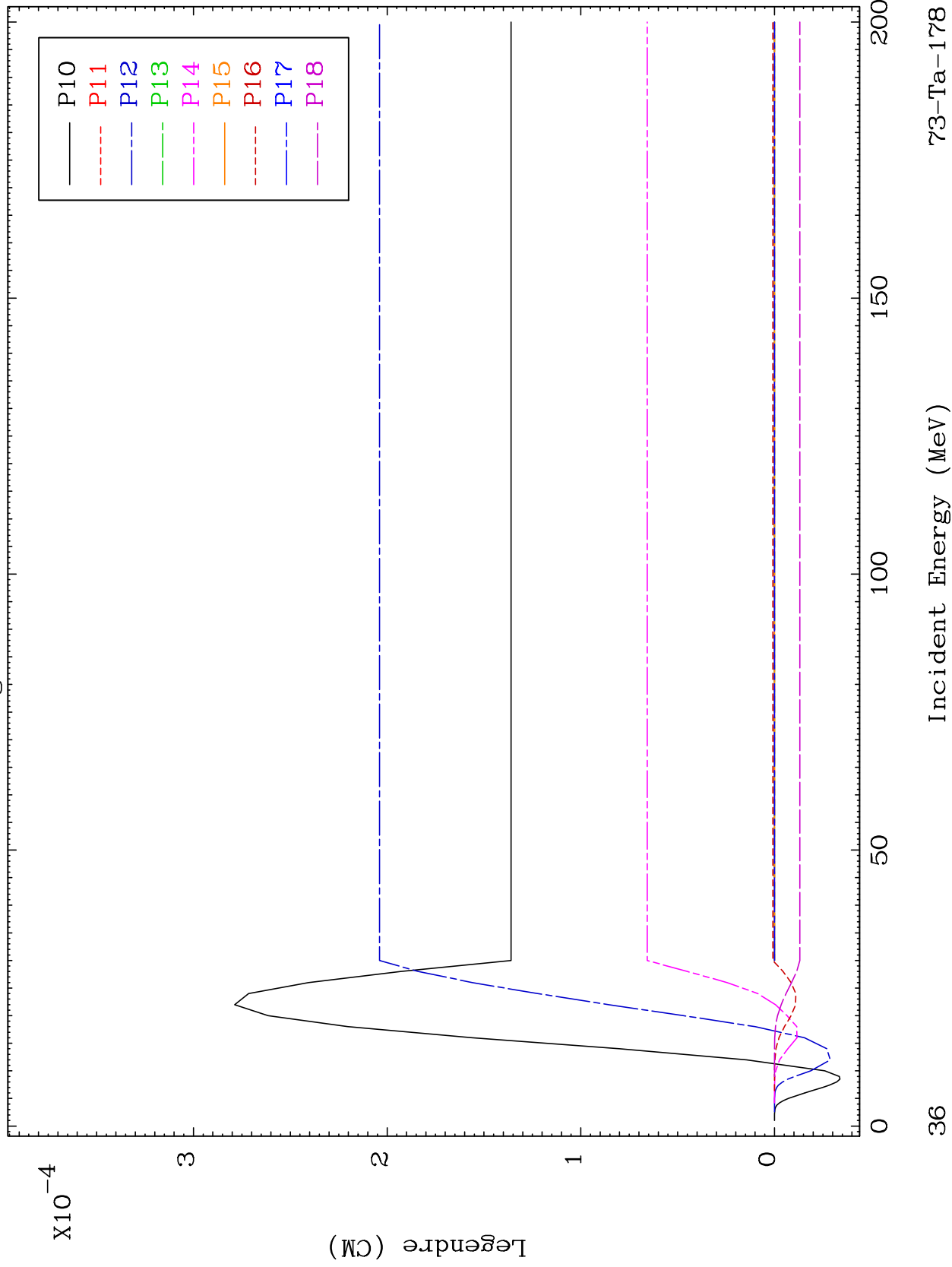


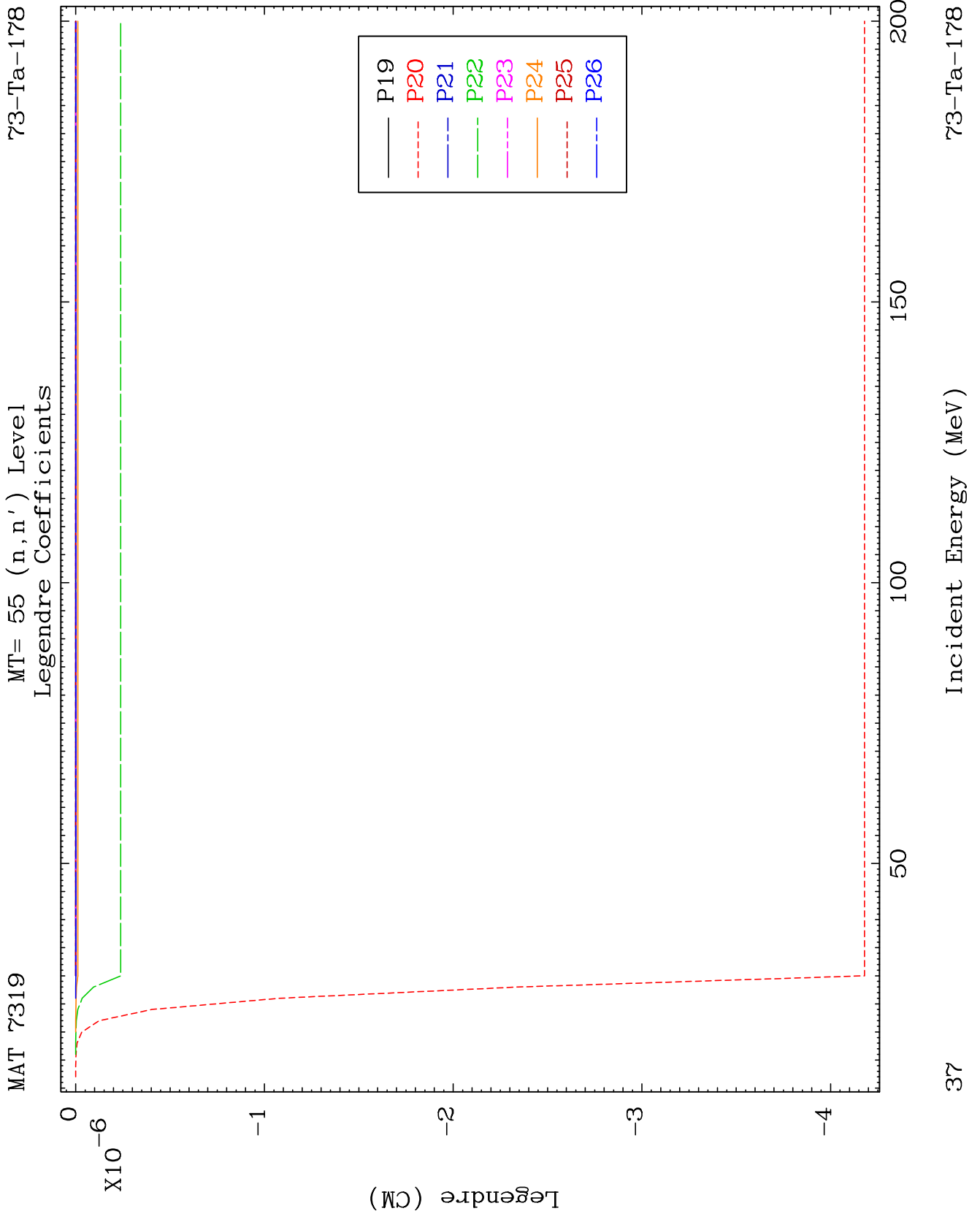


MAT 7319

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

73-Ta-178

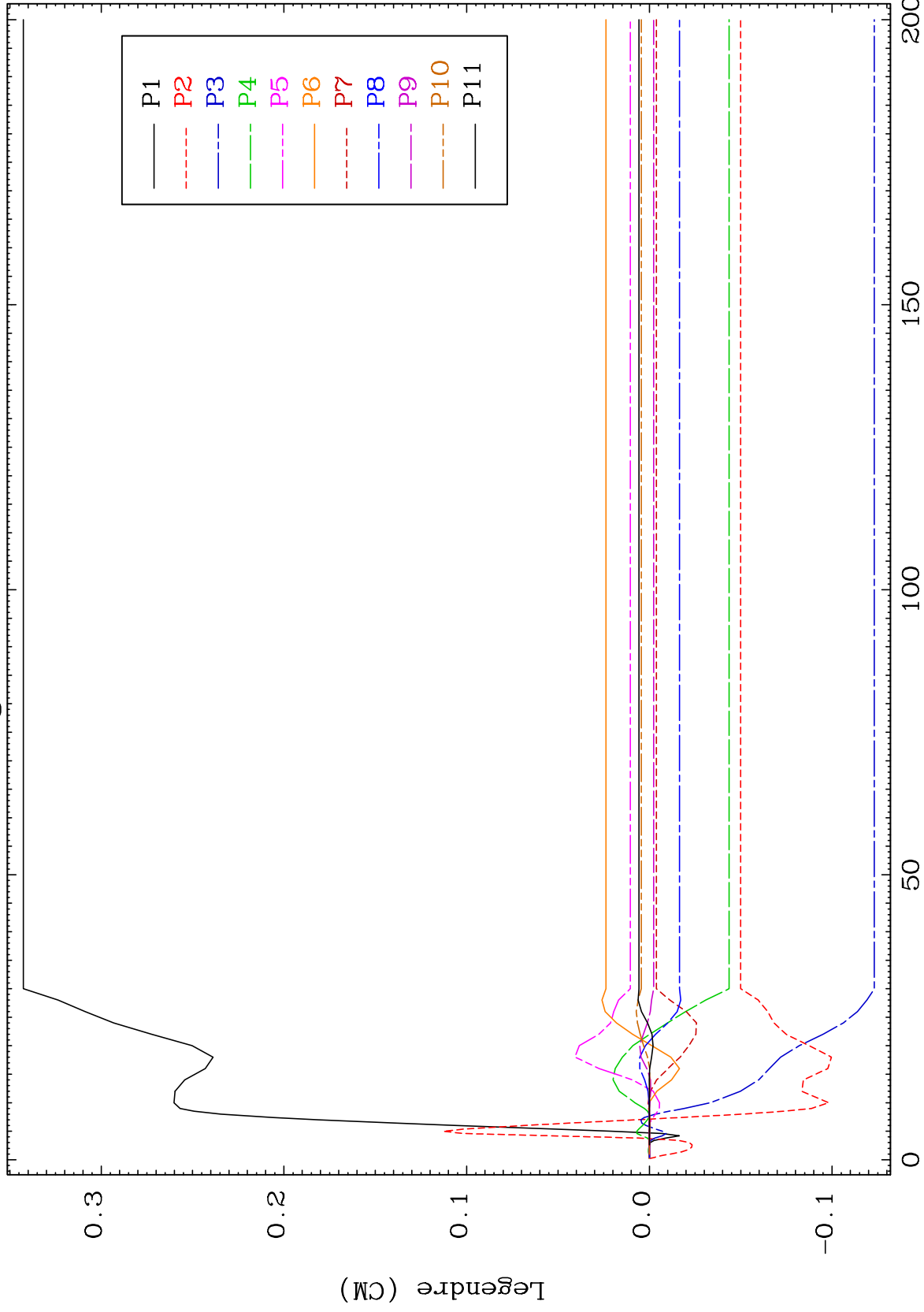




MAT 7319

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

73-Ta-178



38

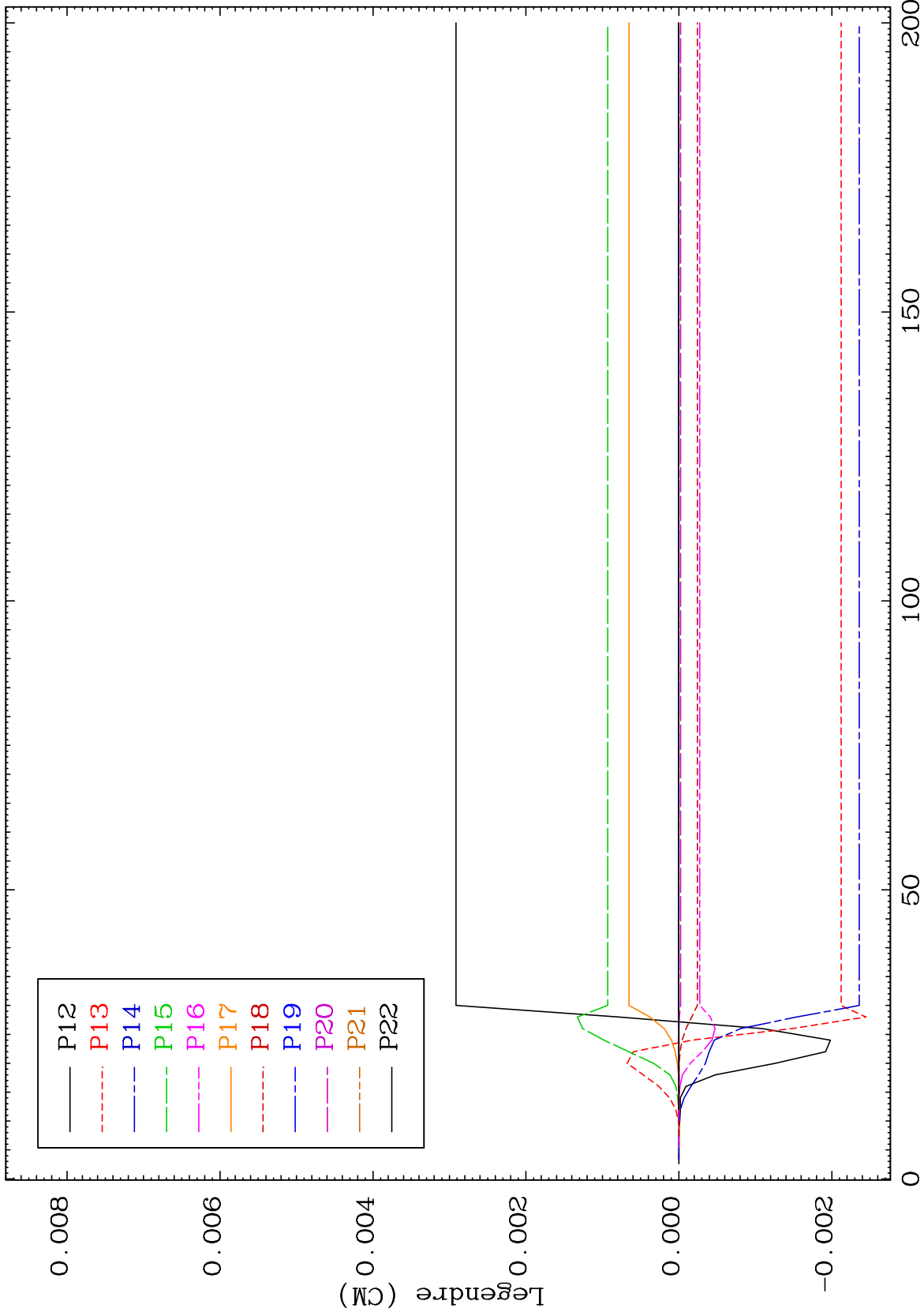
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



39

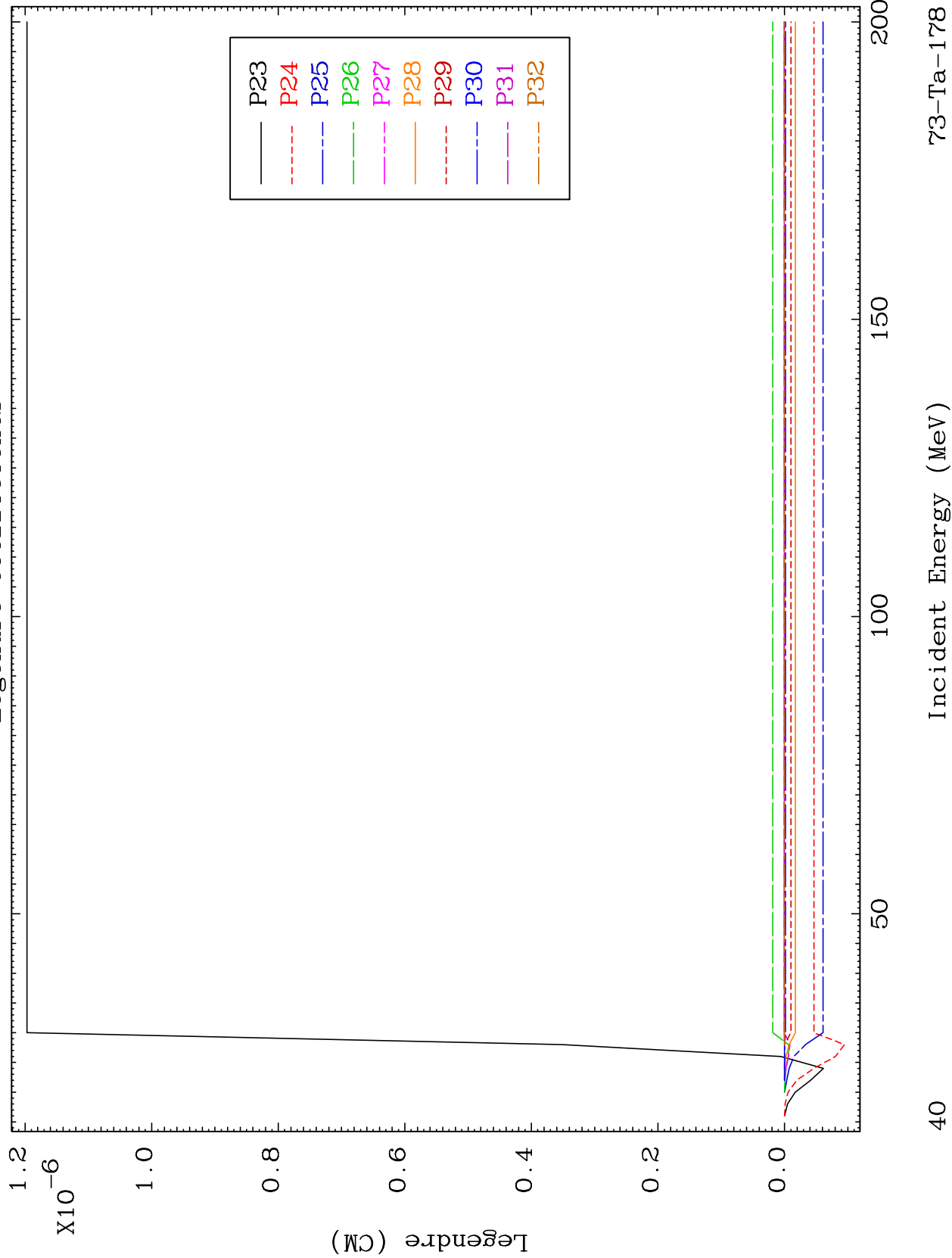
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



73-Ta-178

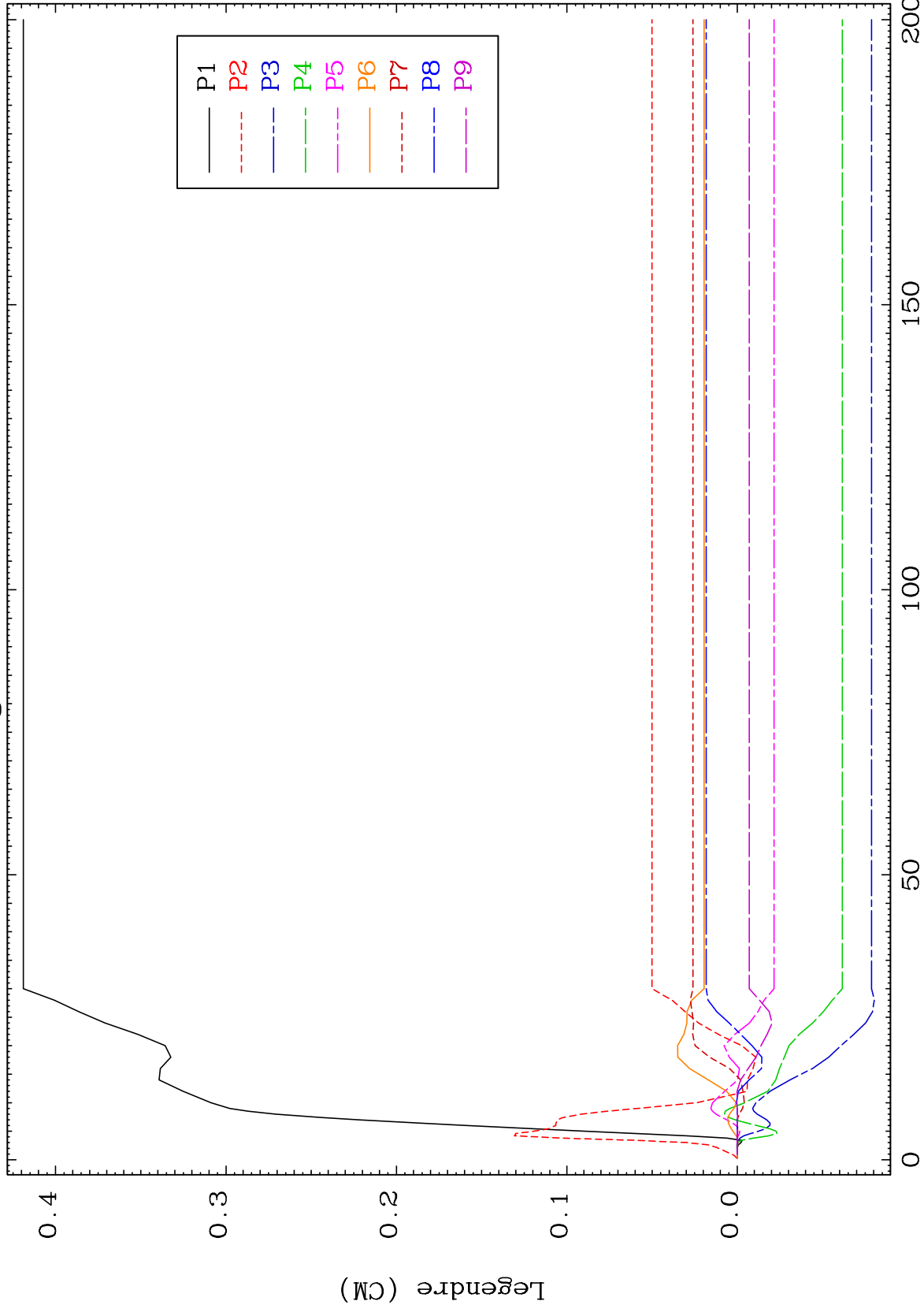
Incident Energy (MeV)

40

MAT 7319

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

73-Ta-178



41

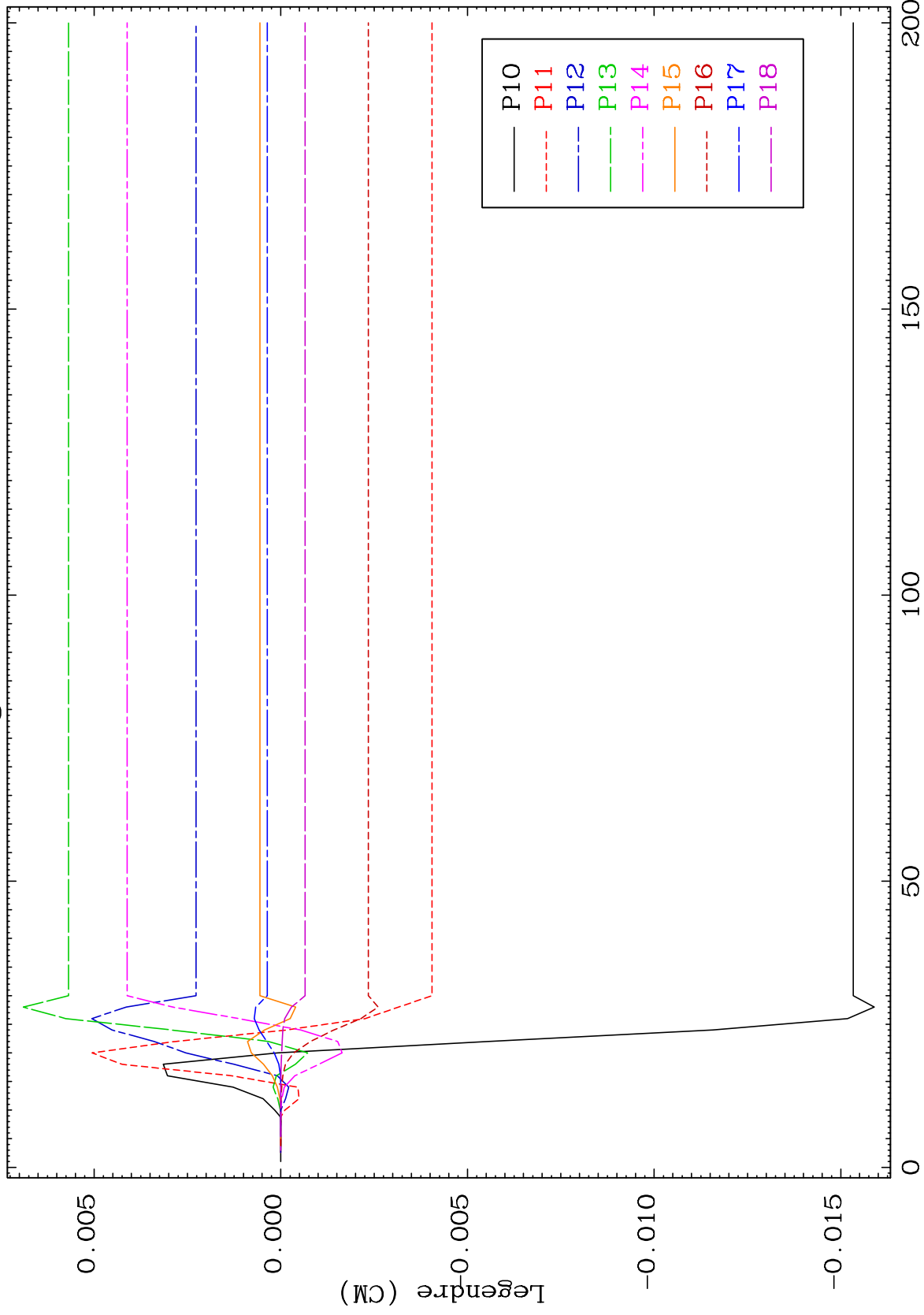
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



42

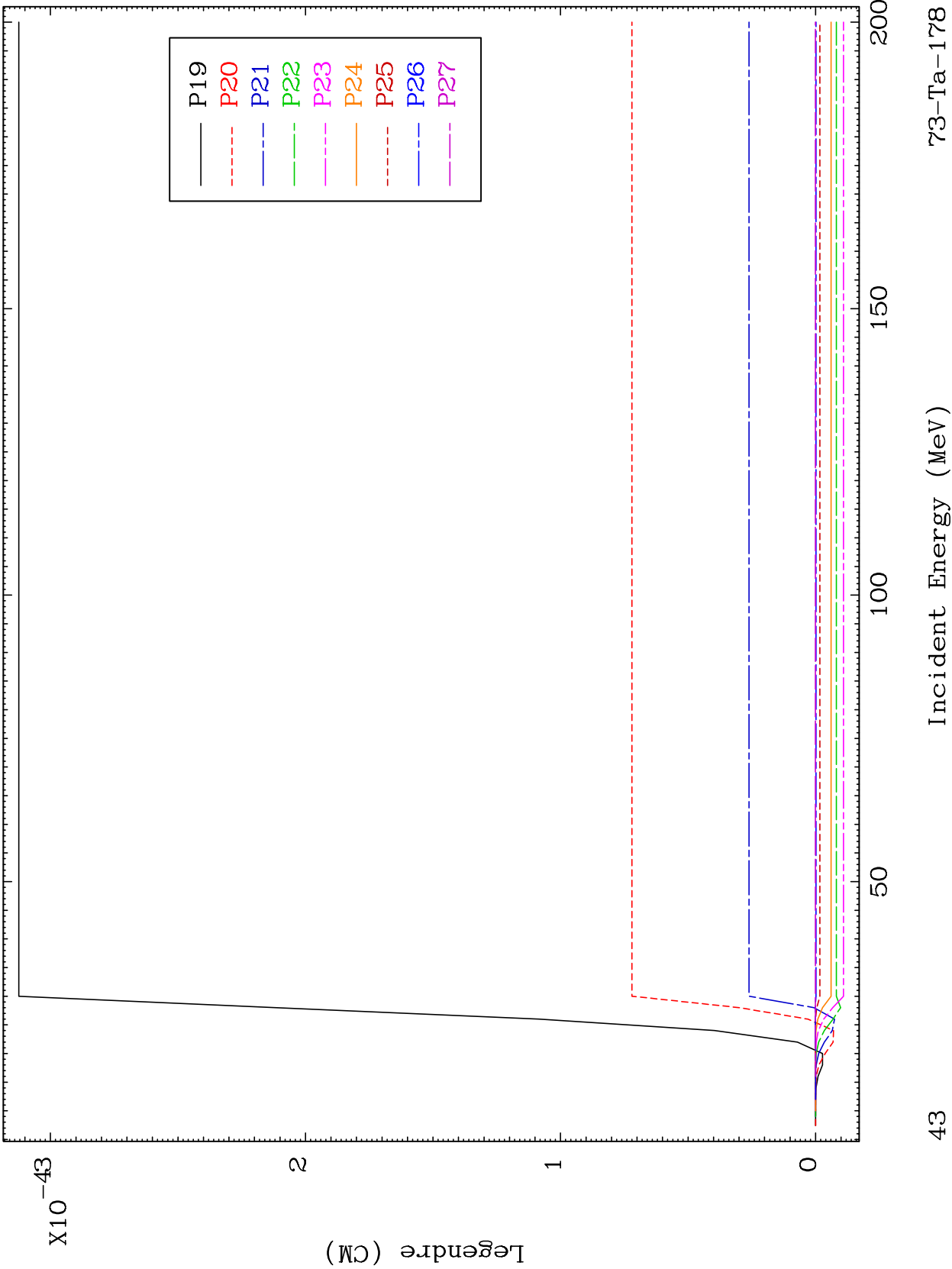
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



43

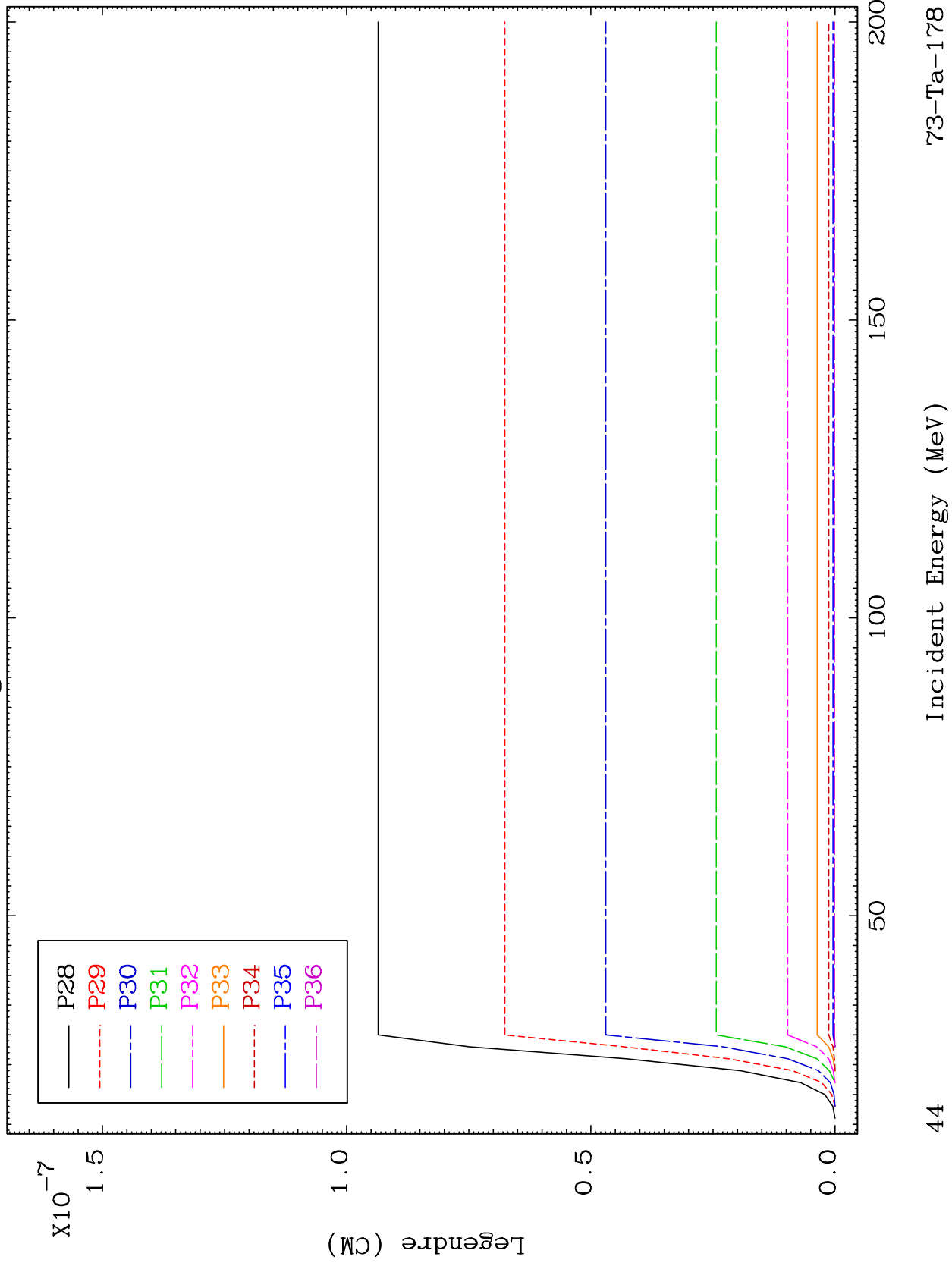
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



44

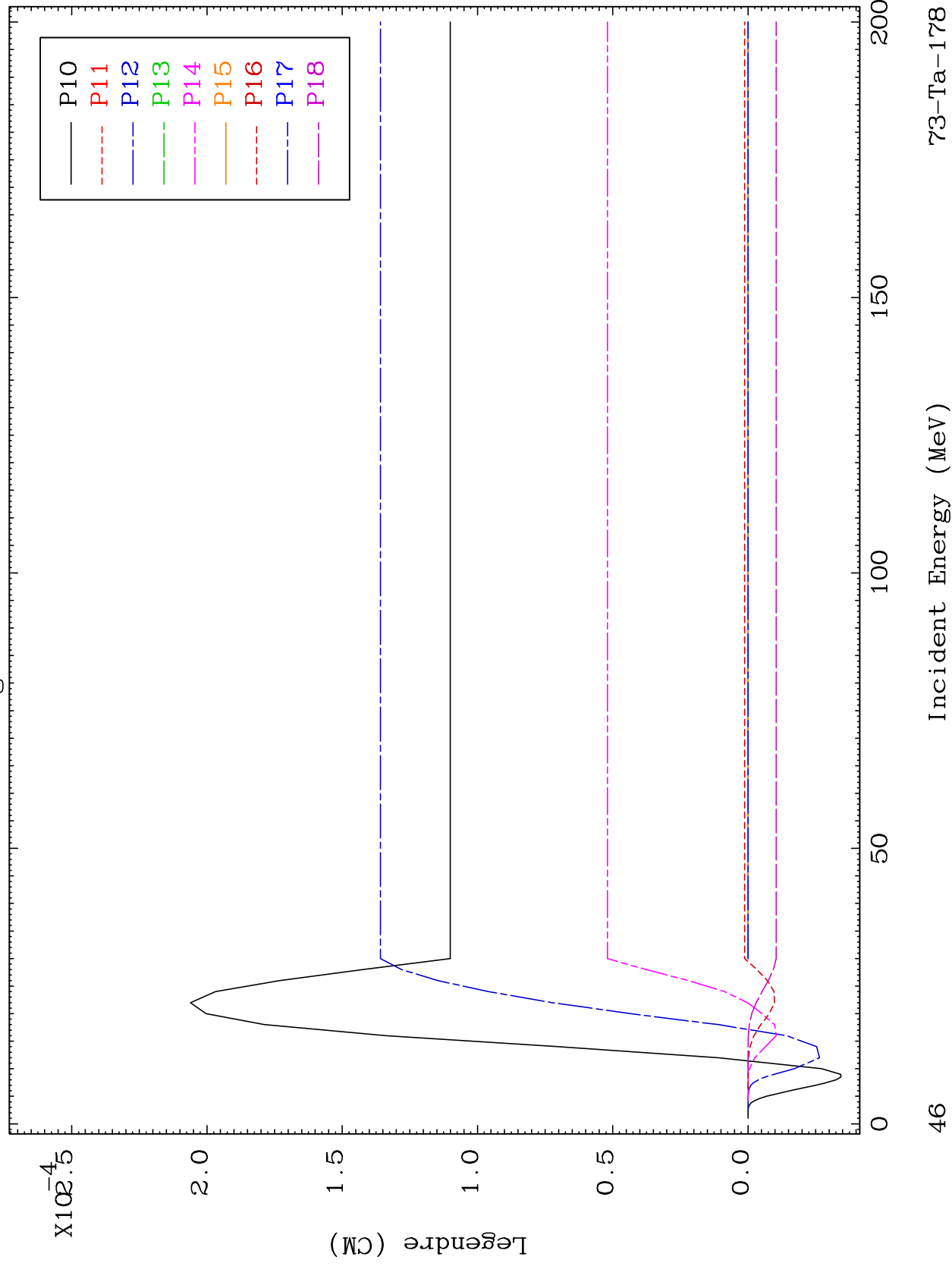
Incident Energy (MeV)

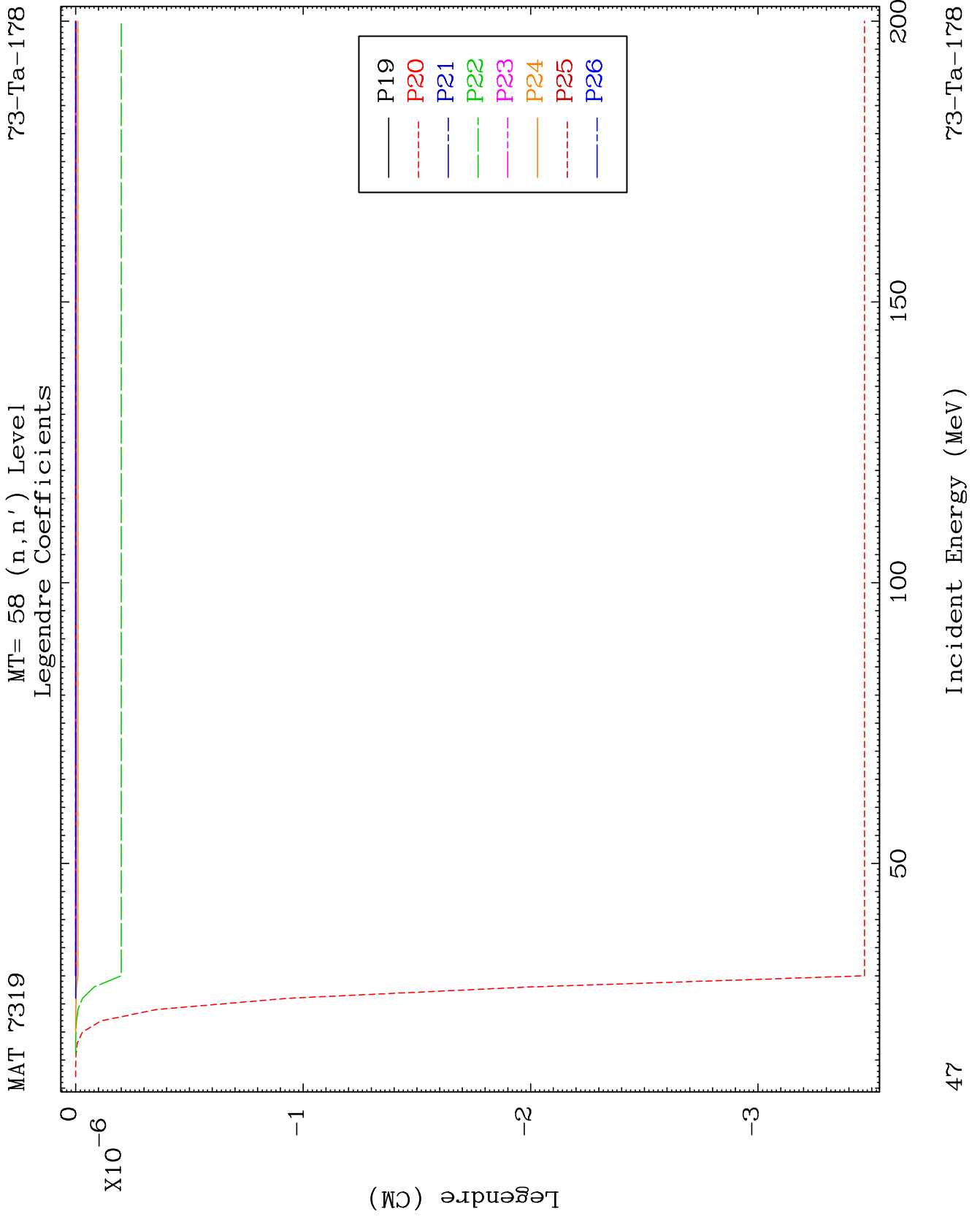
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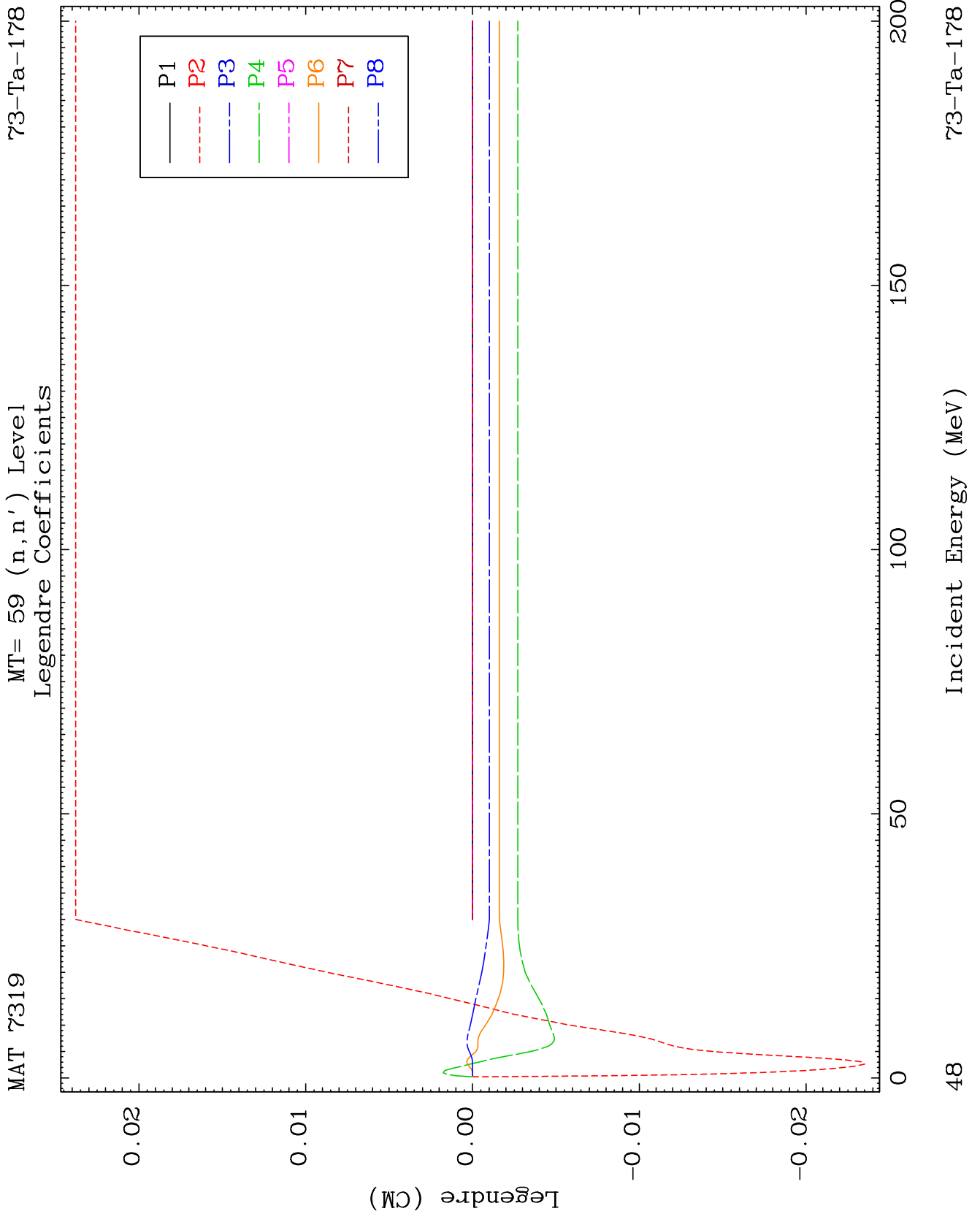
MAT 7319

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

73-Ta-178



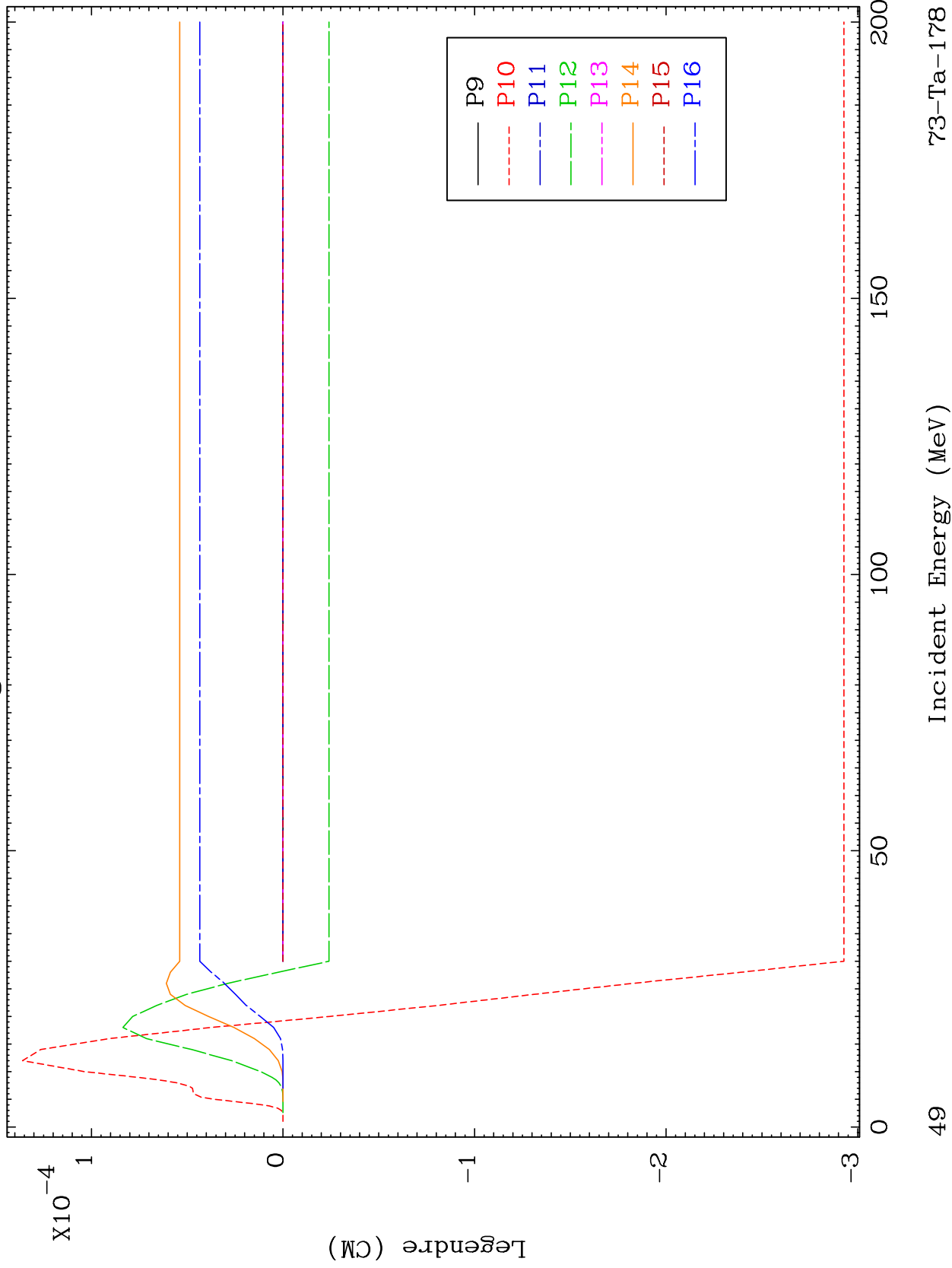


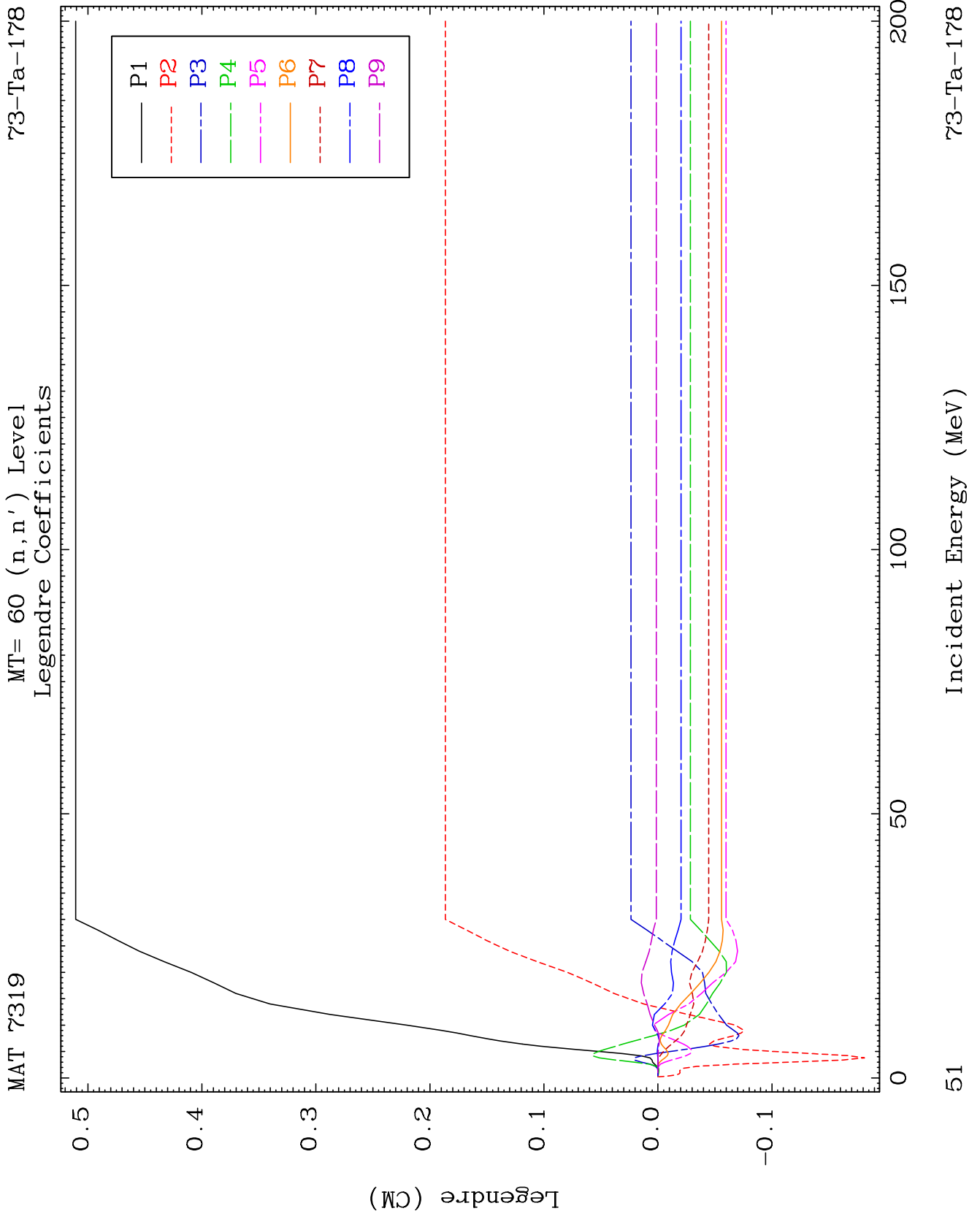


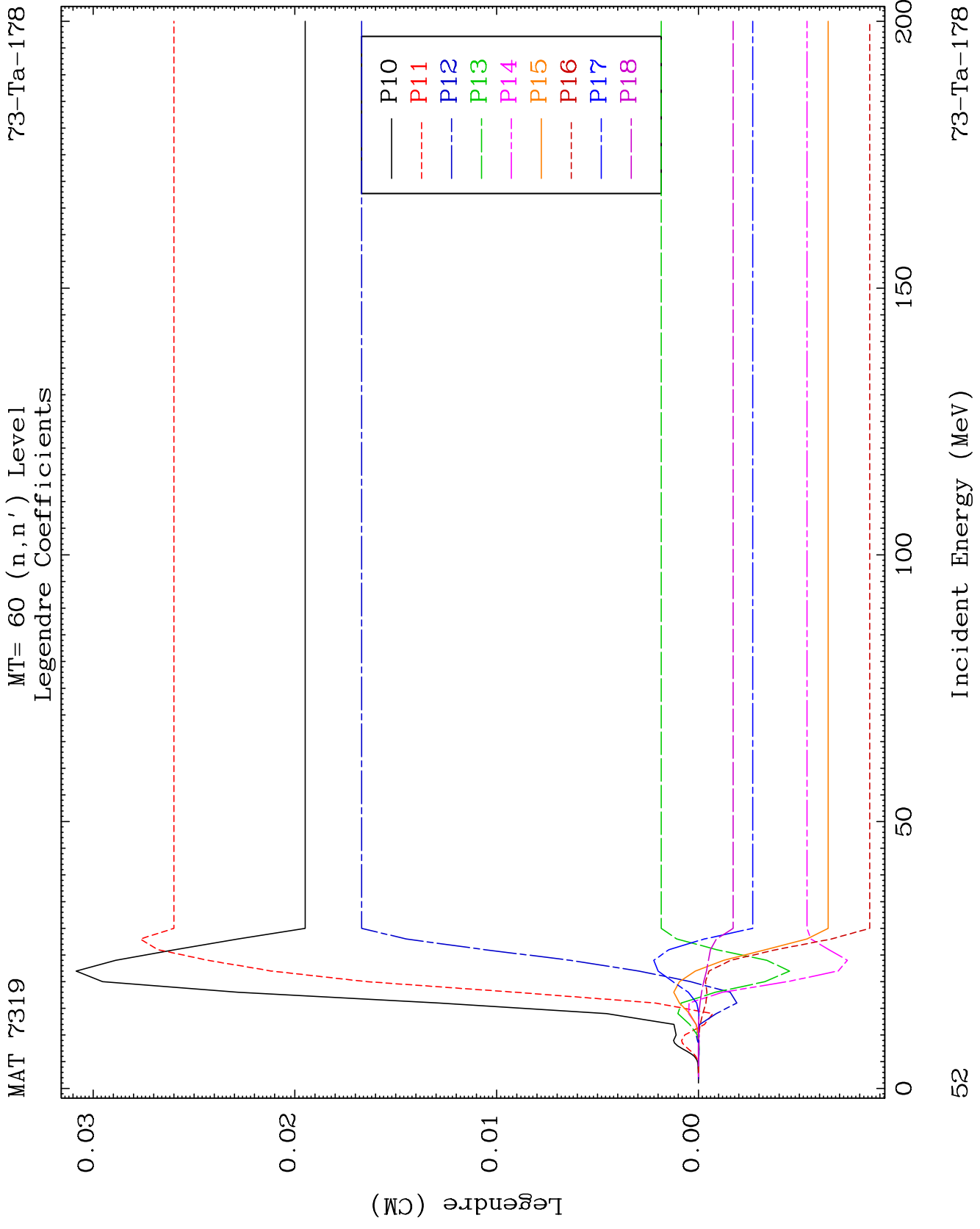
MAT 7319

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

73-Ta-178



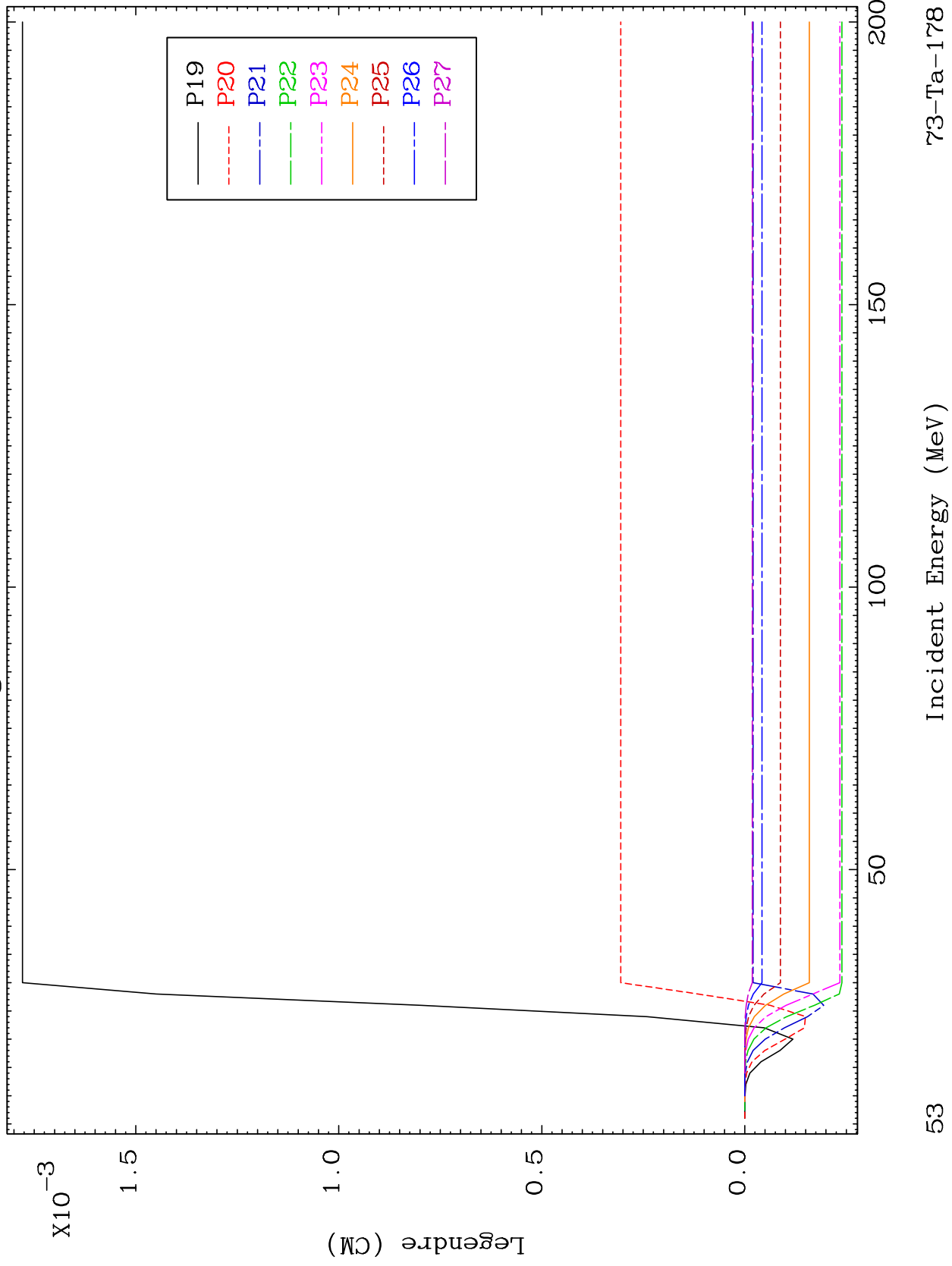


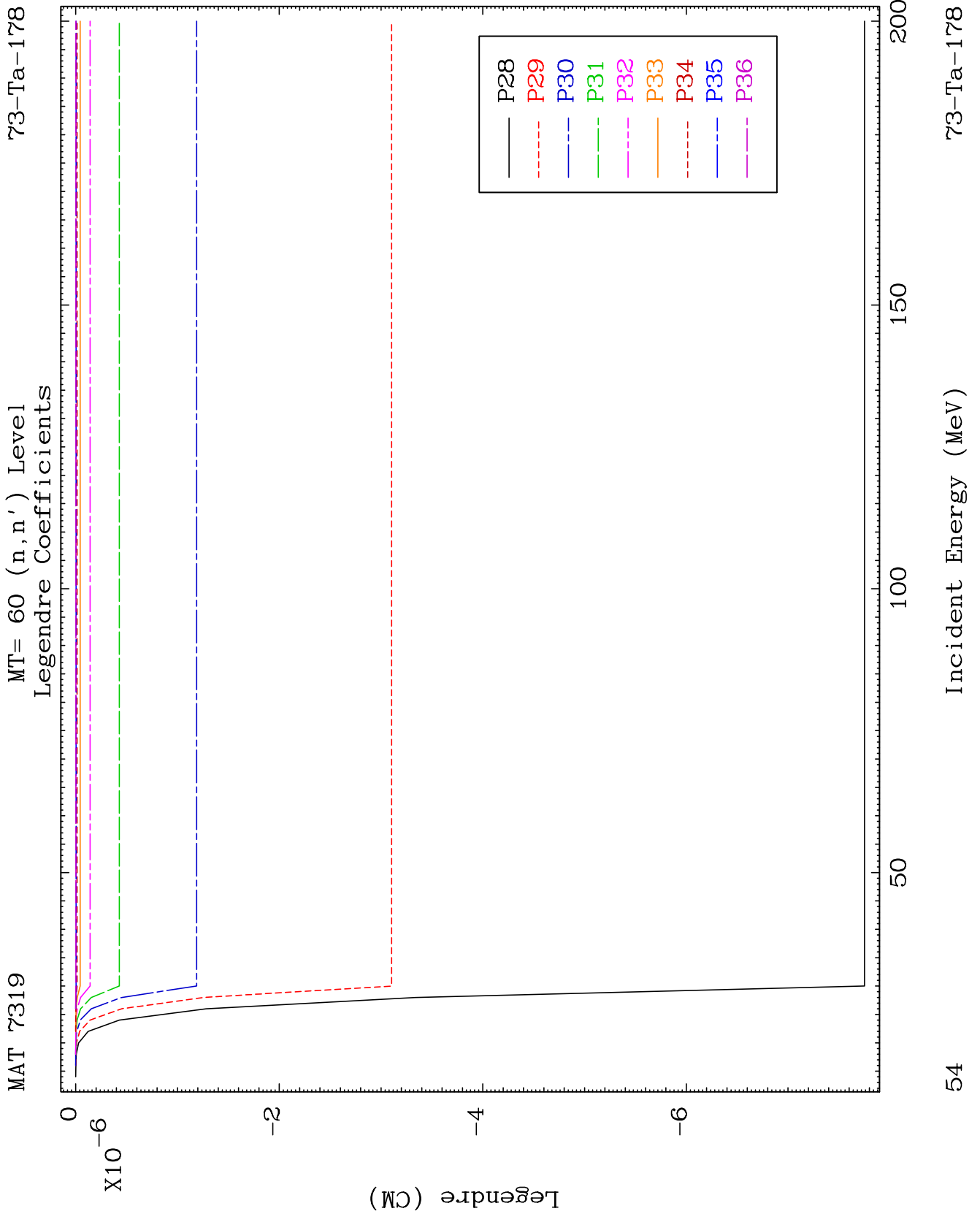


MAT 7319

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

73-Ta-178

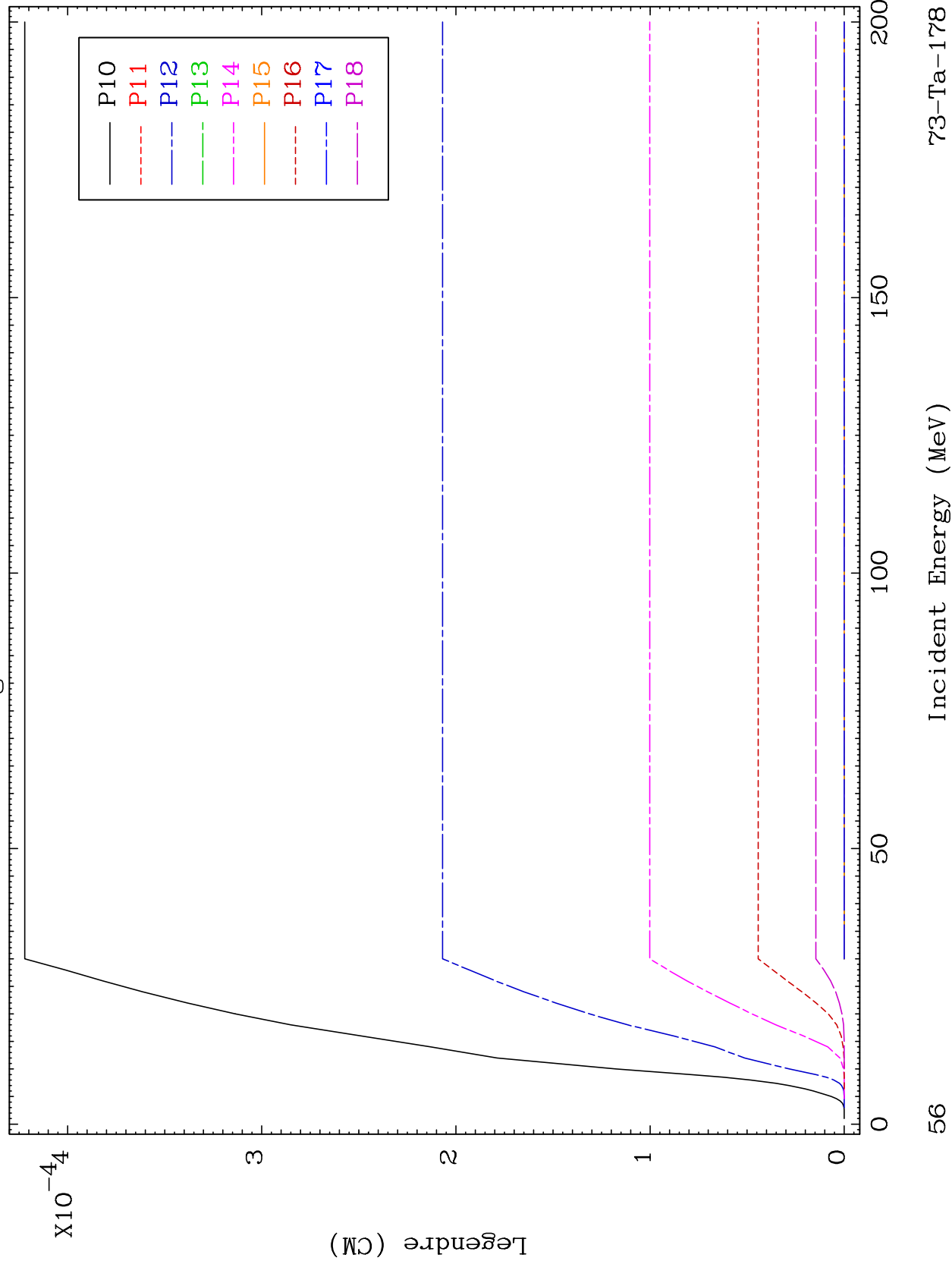




MAT 7319

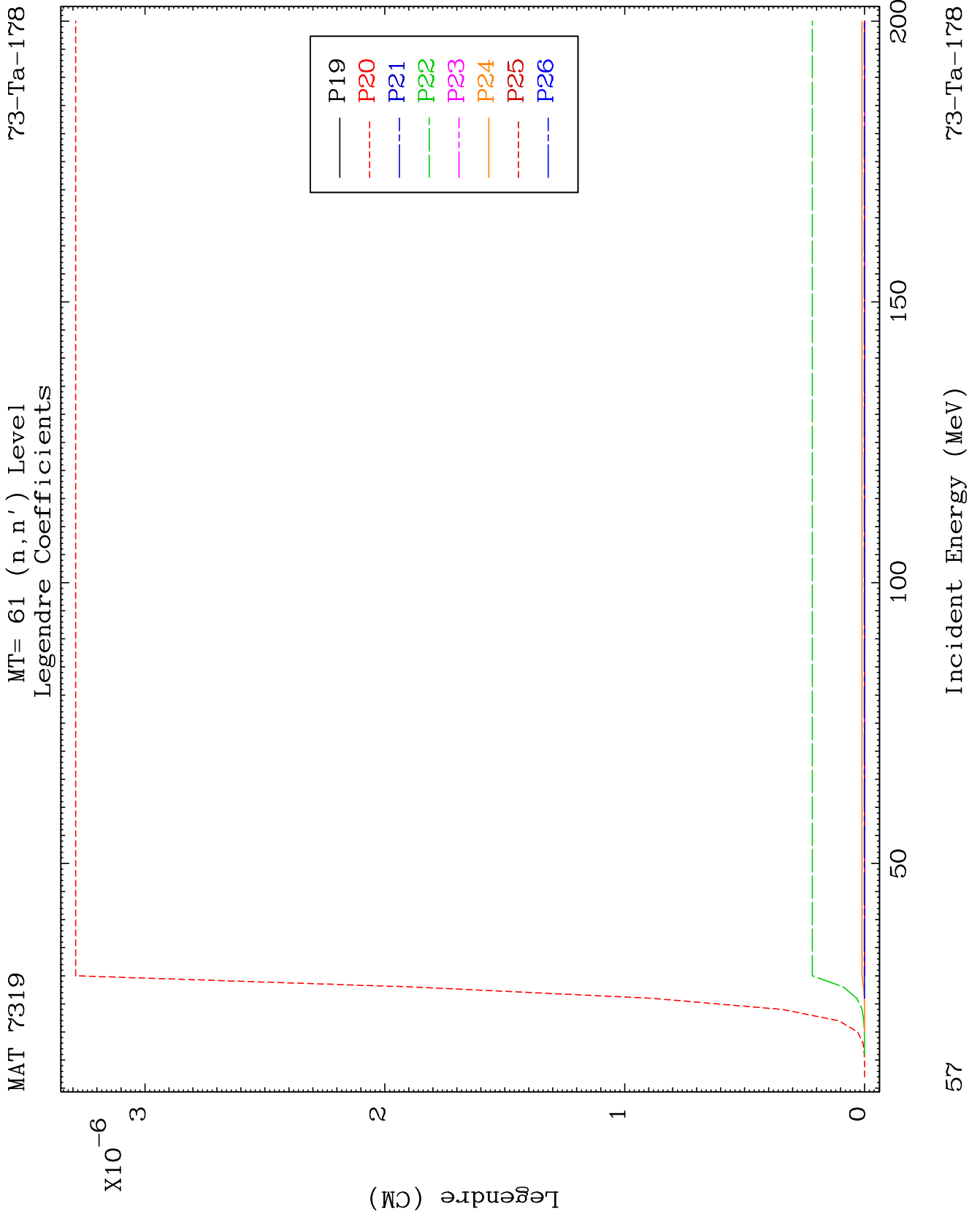
MT= 61 (n,n') Level
Legendre Coefficients

73-Ta-178



56

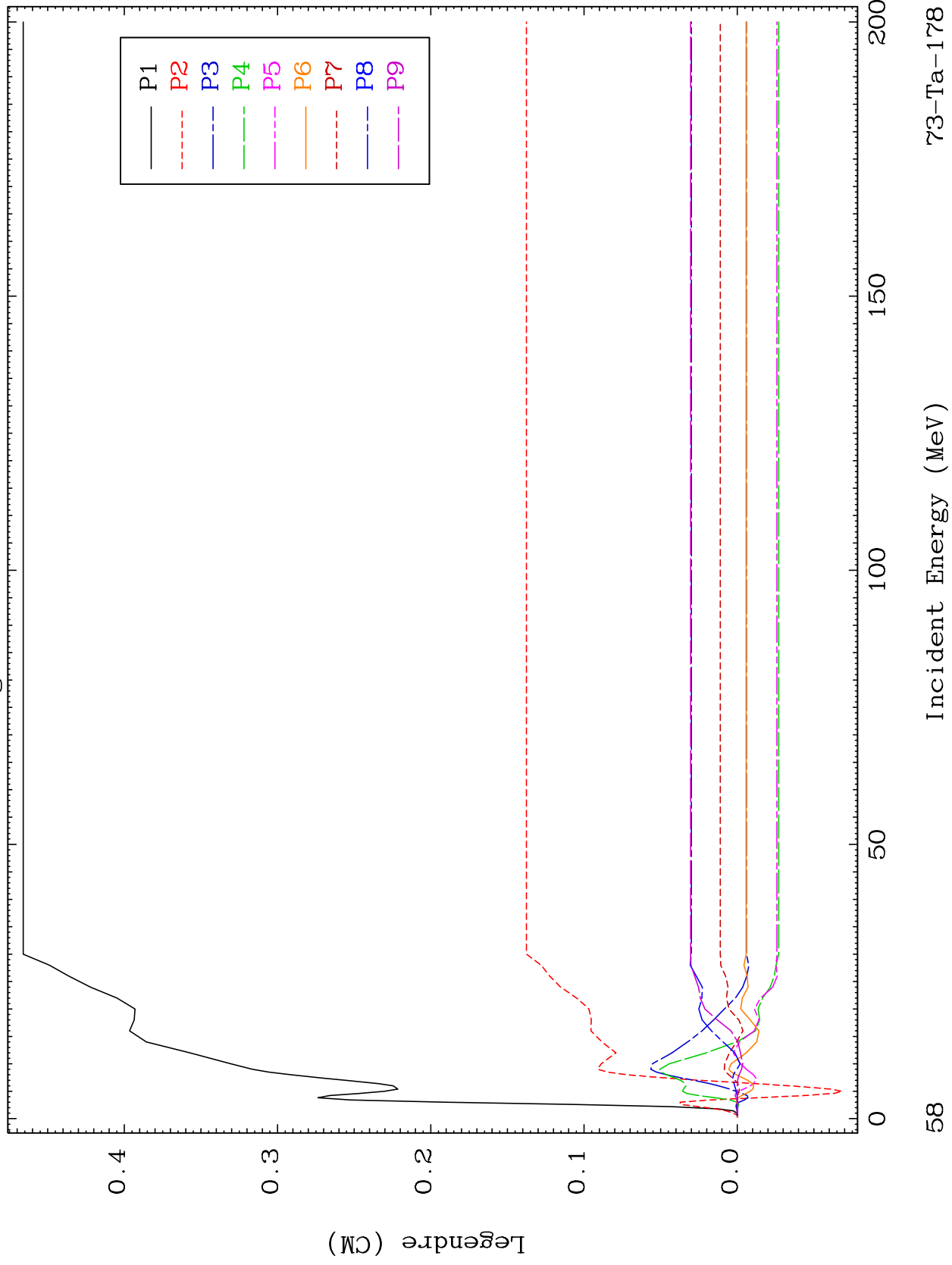
73-Ta-178



MAT 7319

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

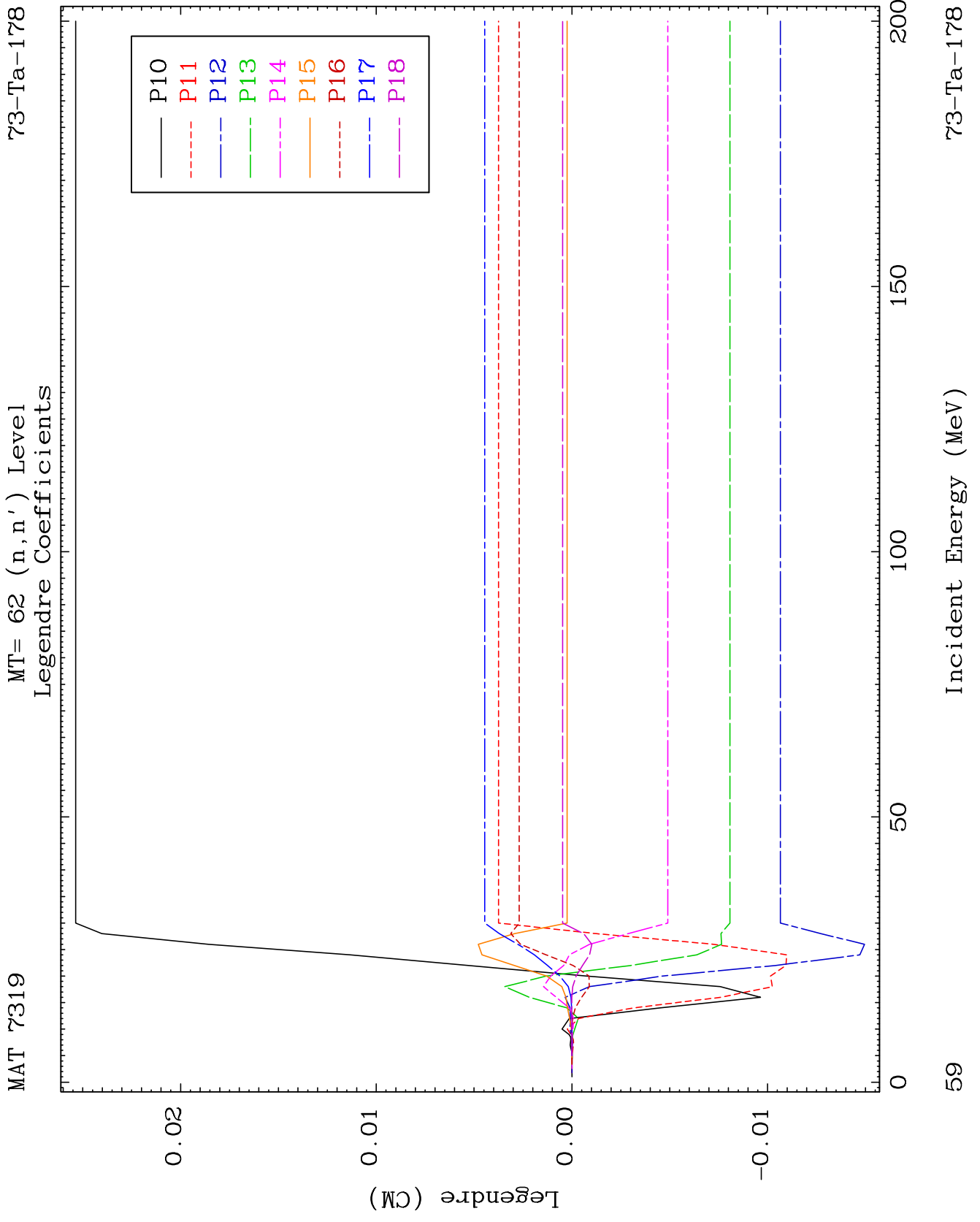
73-Ta-178



73-Ta-178

Incident Energy (MeV)

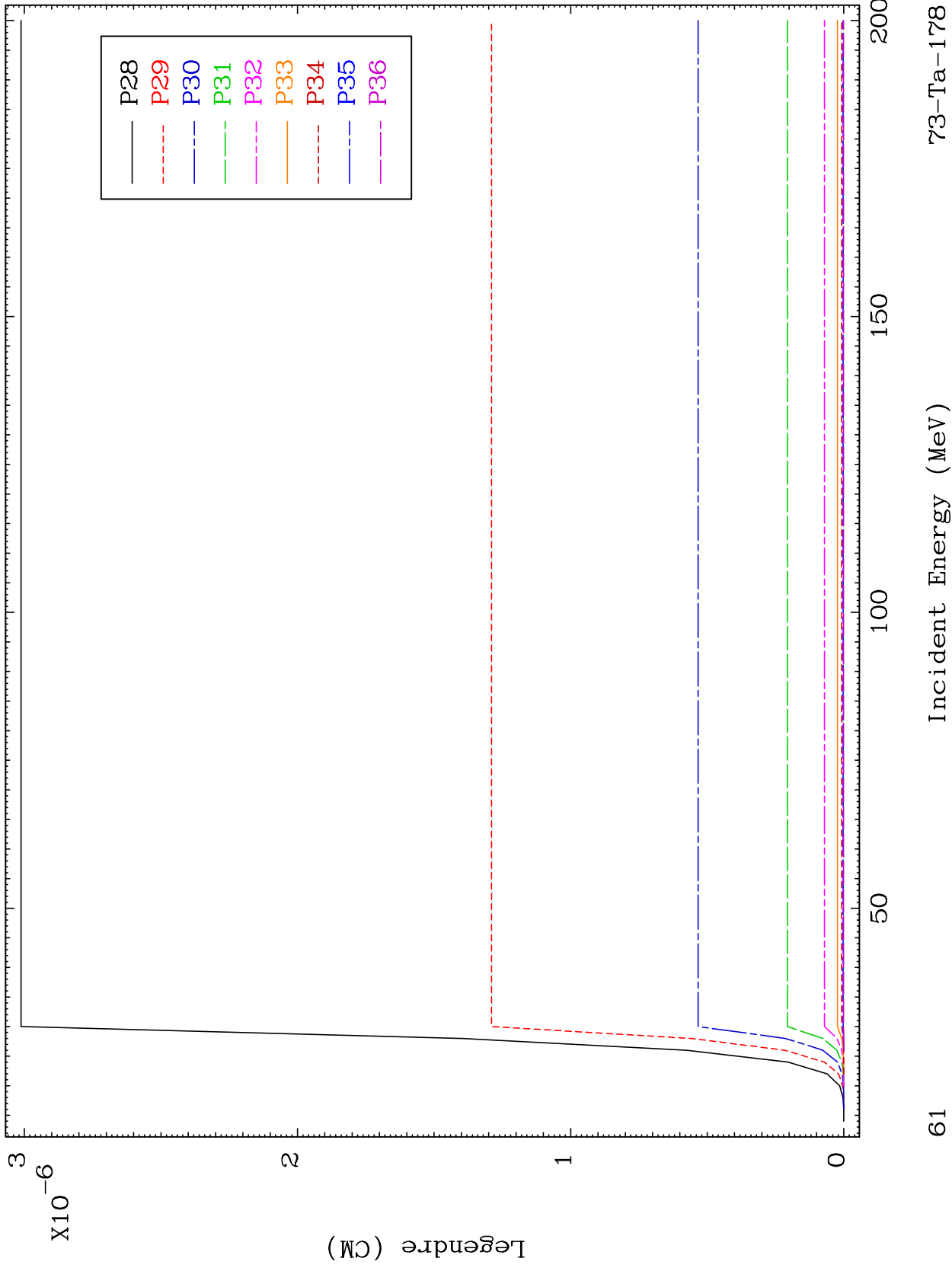
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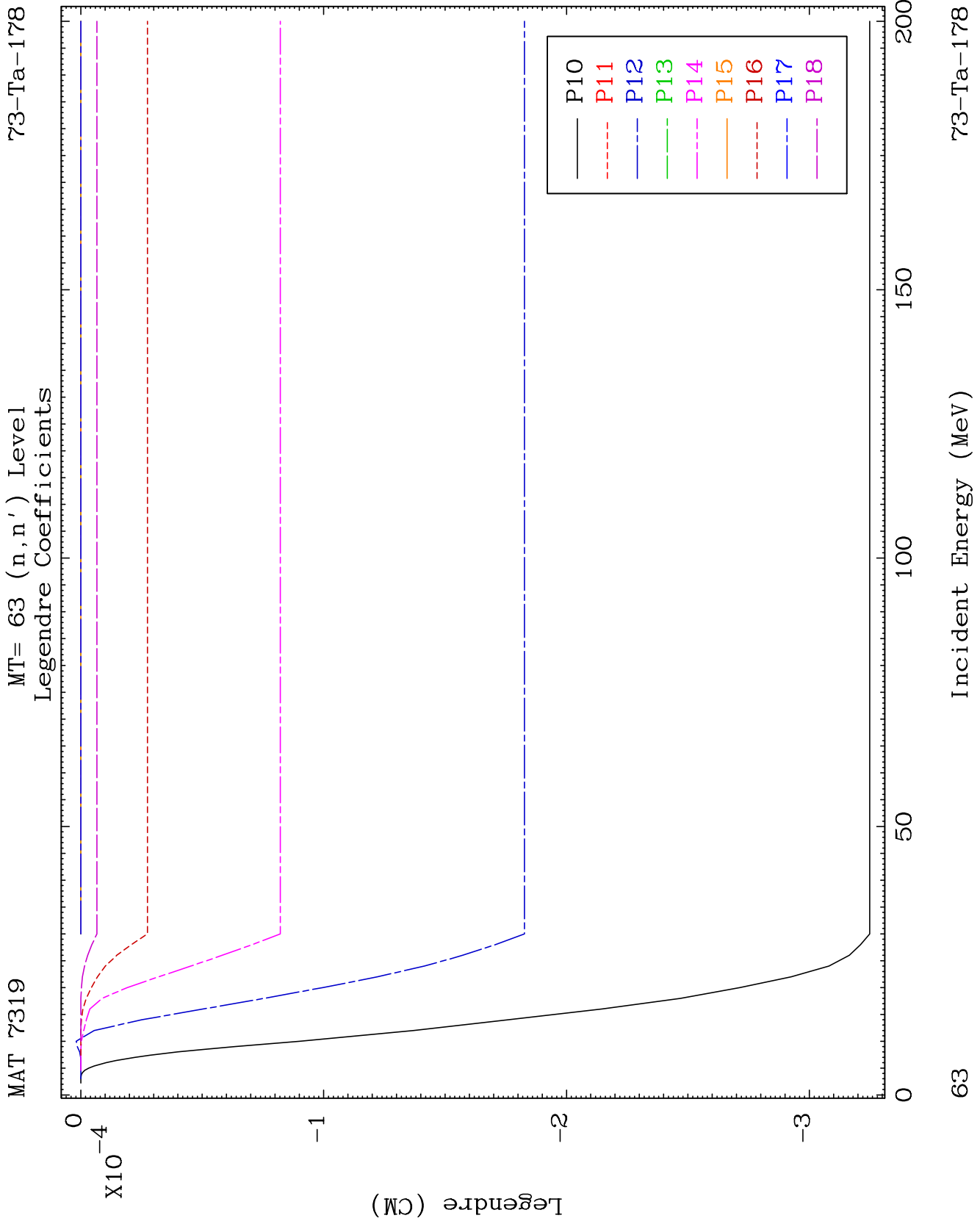


MAT 7319

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

73-Ta-178

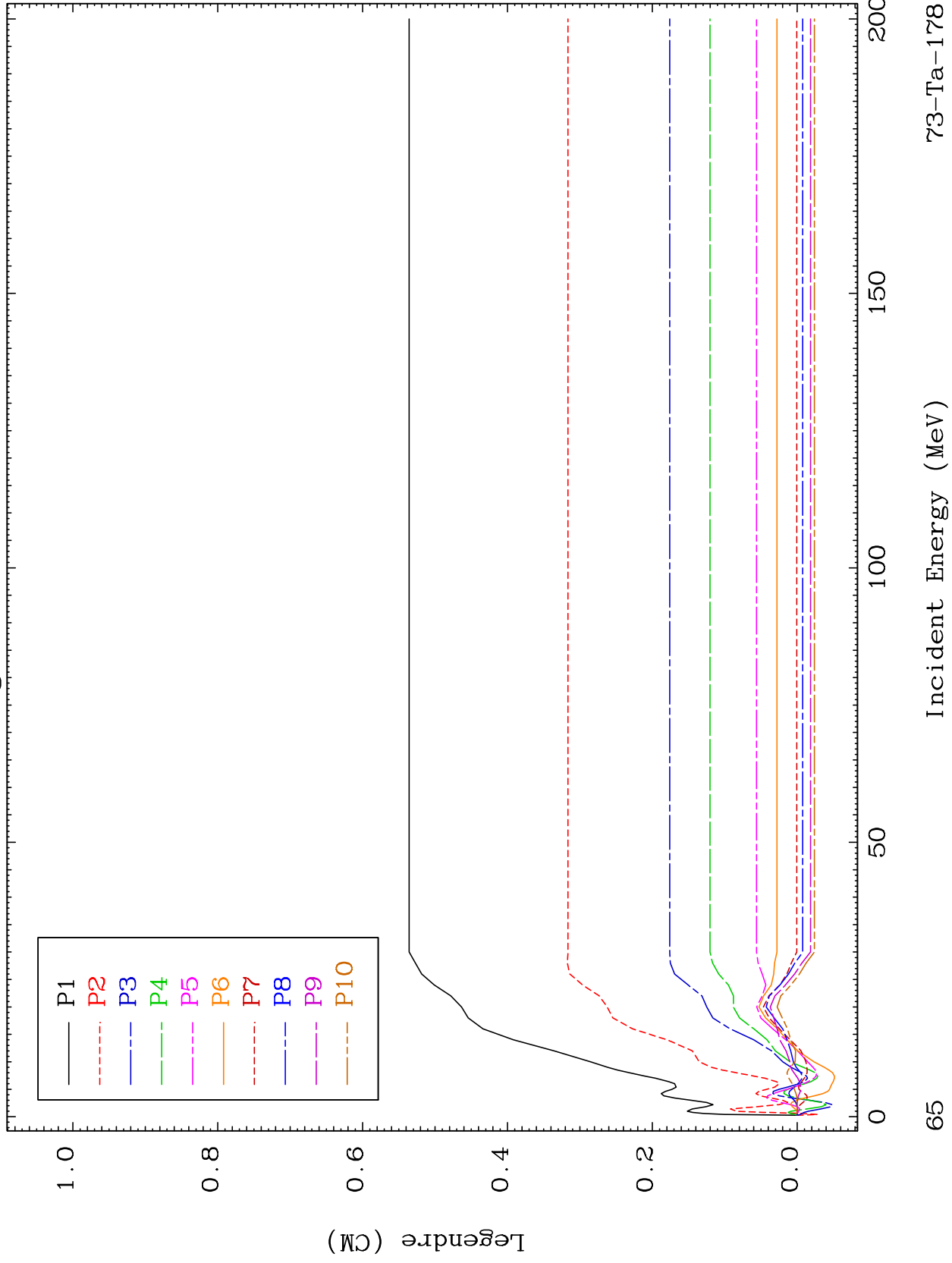




MAT 7319

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

⁷³Ta-178

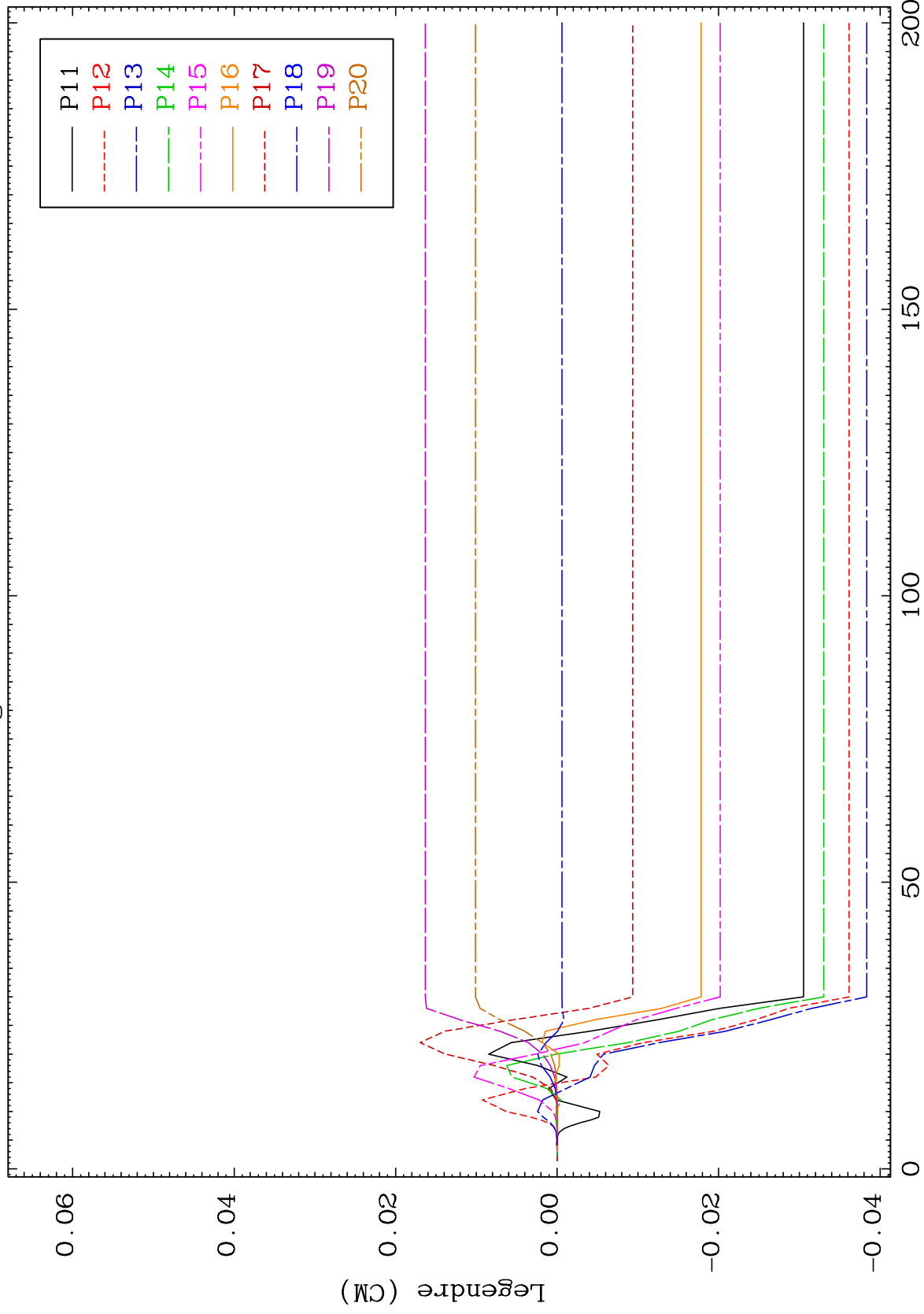


65

MAT 7319

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

73-Ta-178



66

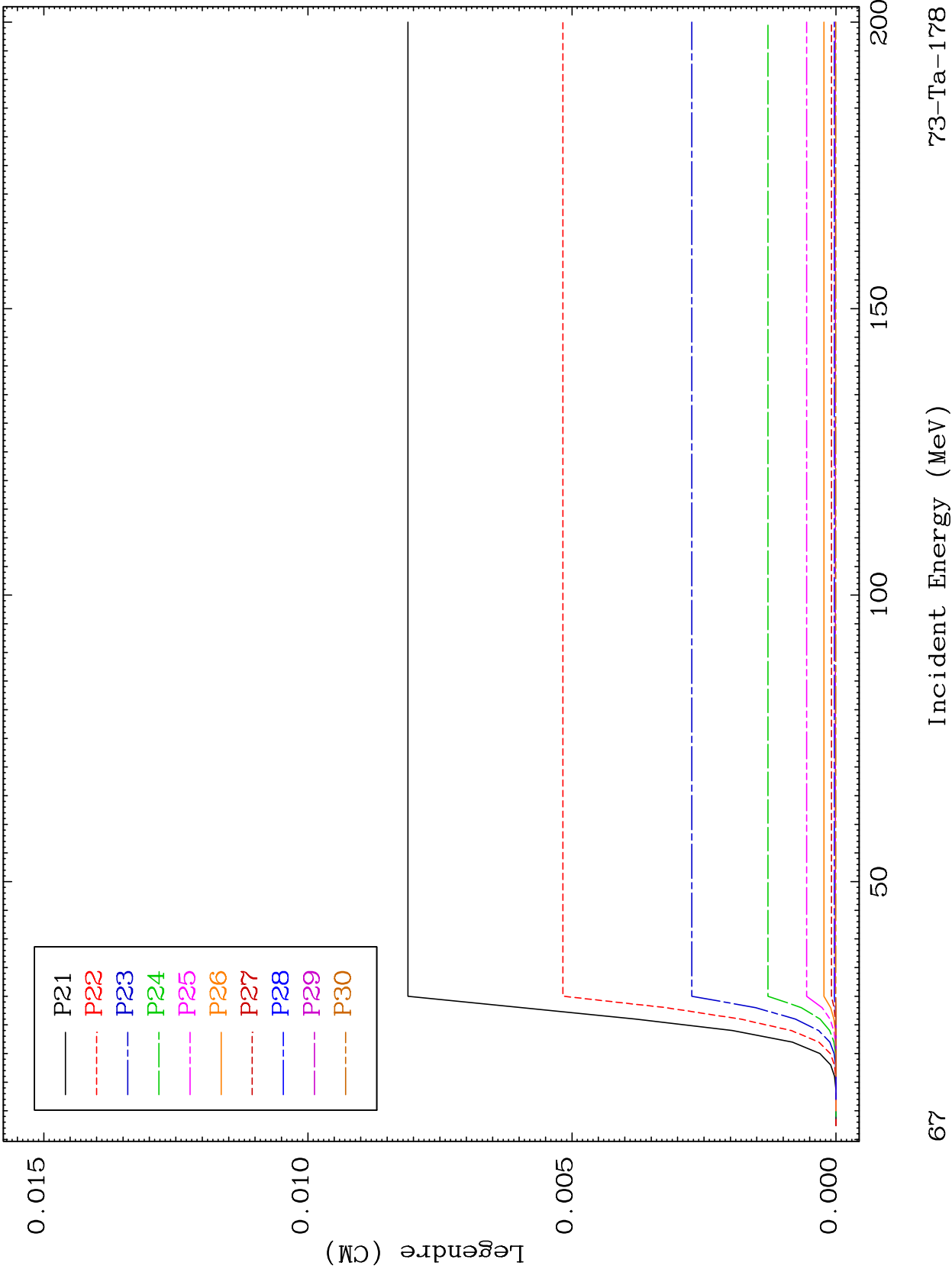
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178



67

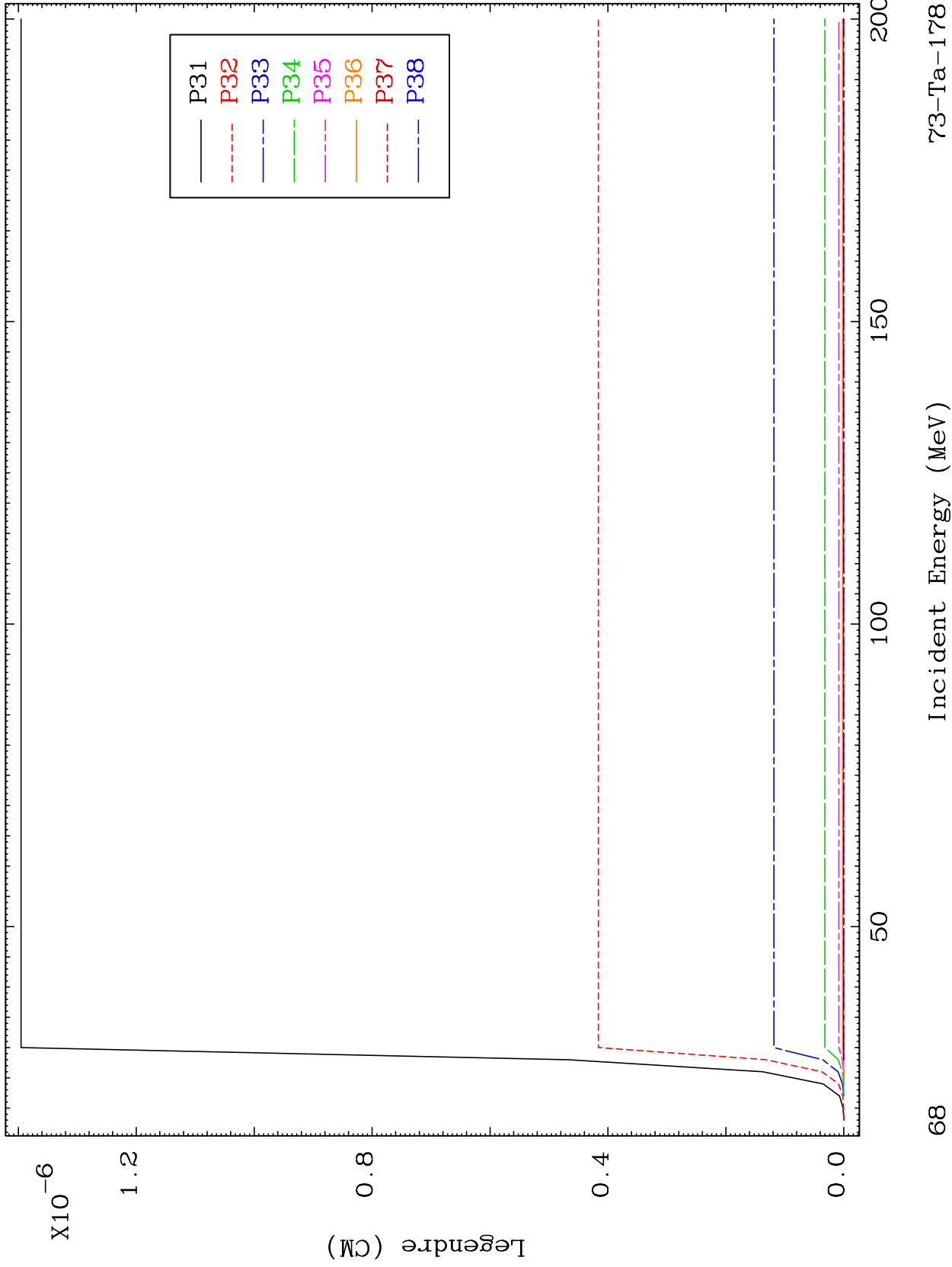
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

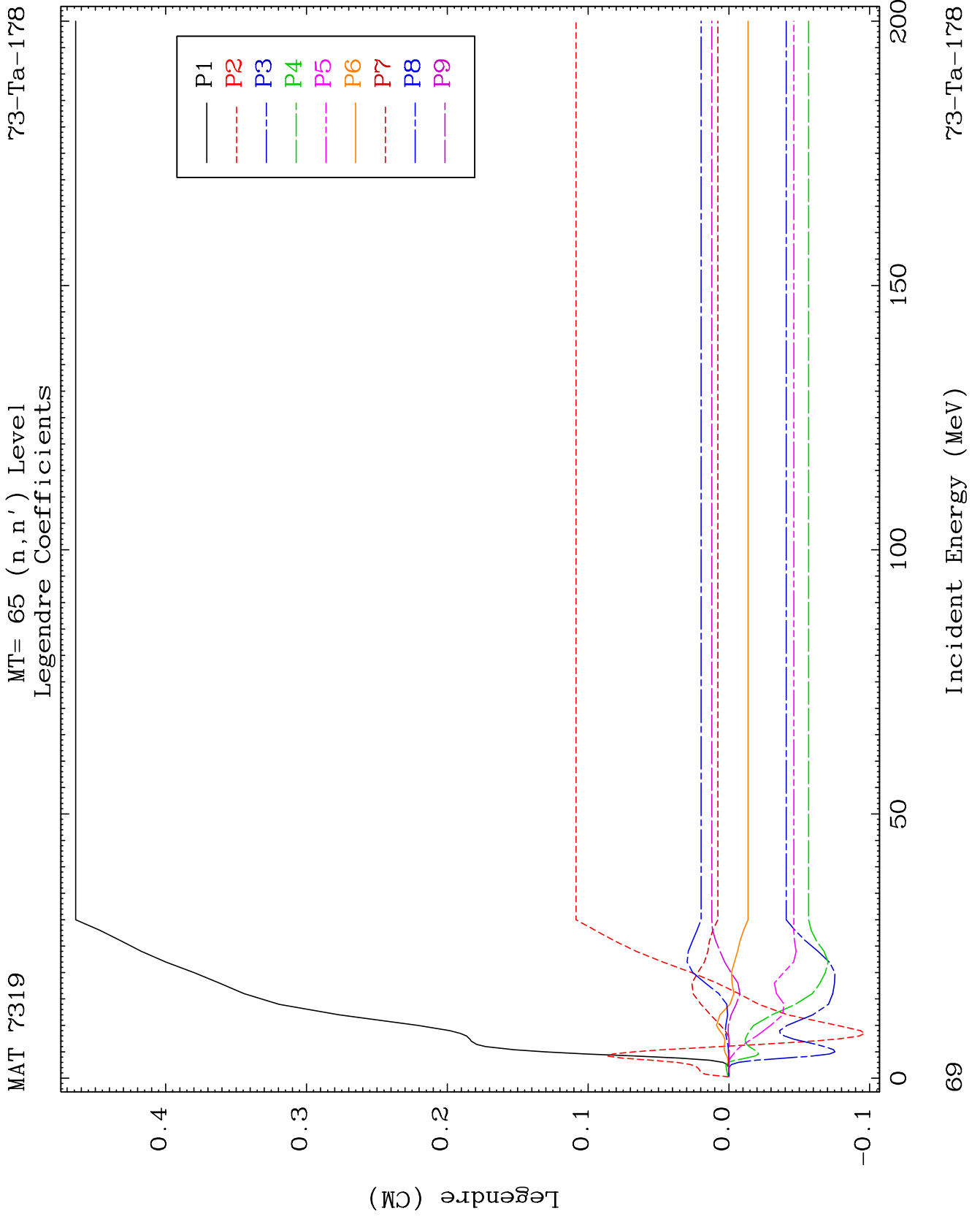
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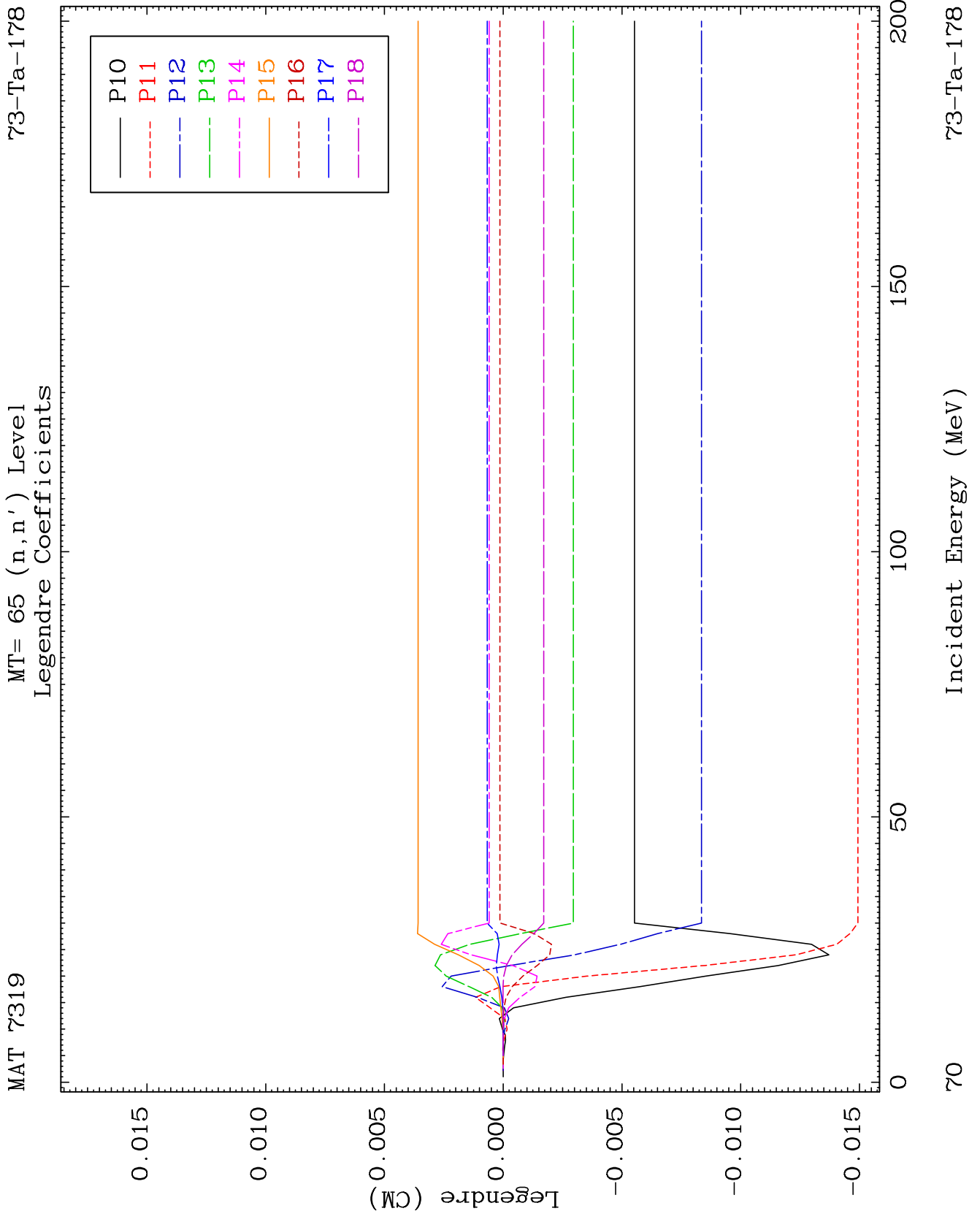


68

Incident Energy (MeV)

73-Ta-178

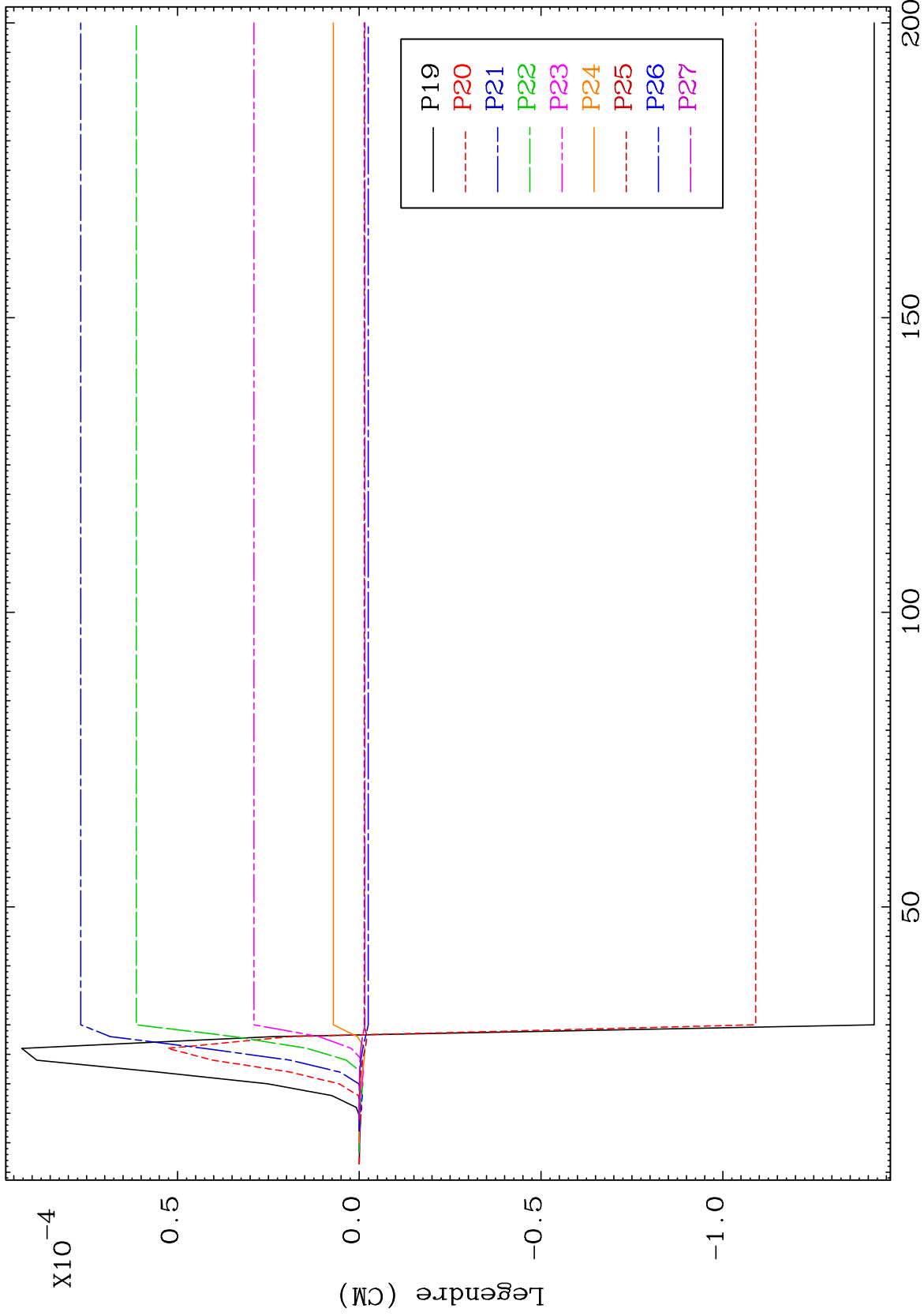




MAT 7319

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

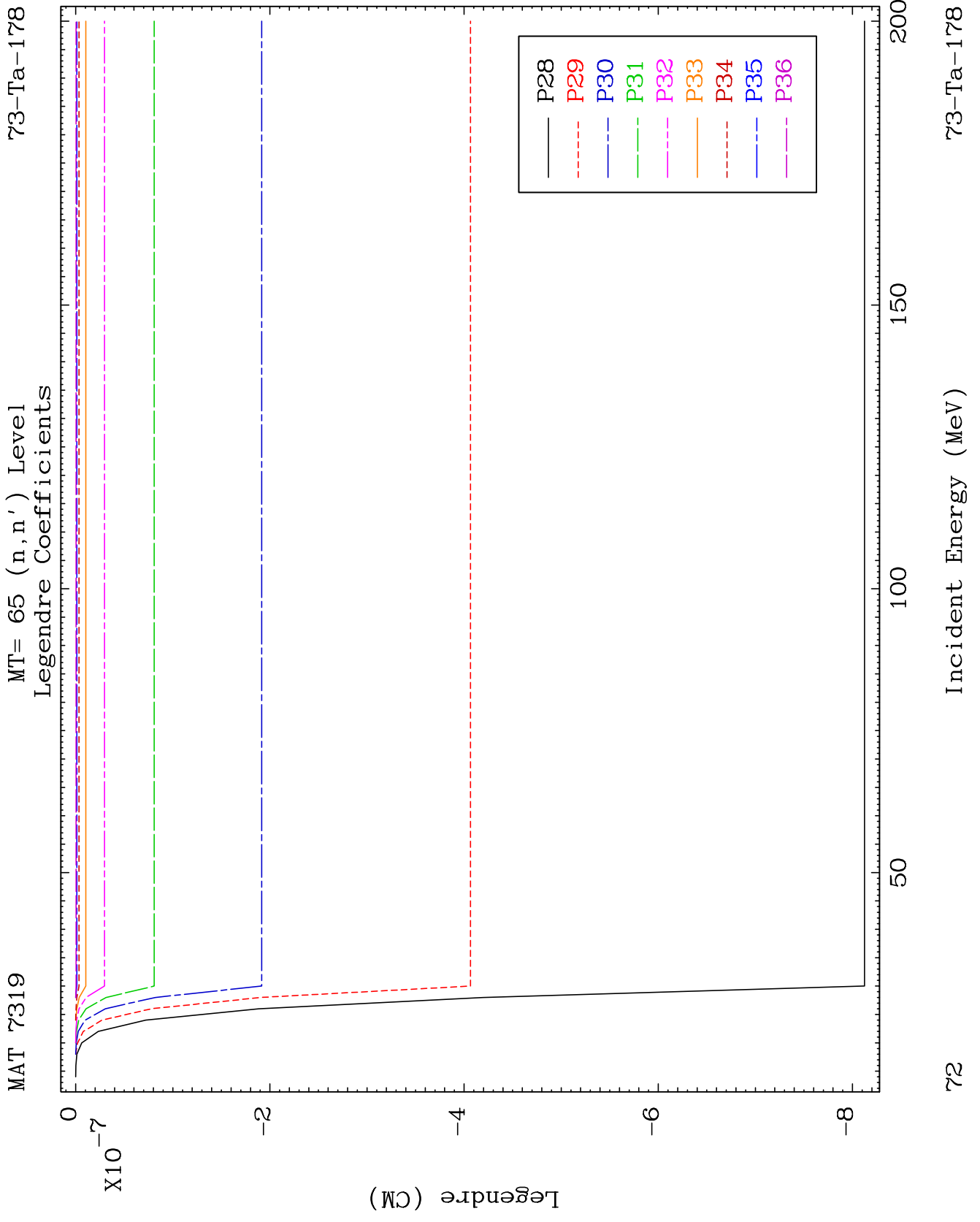
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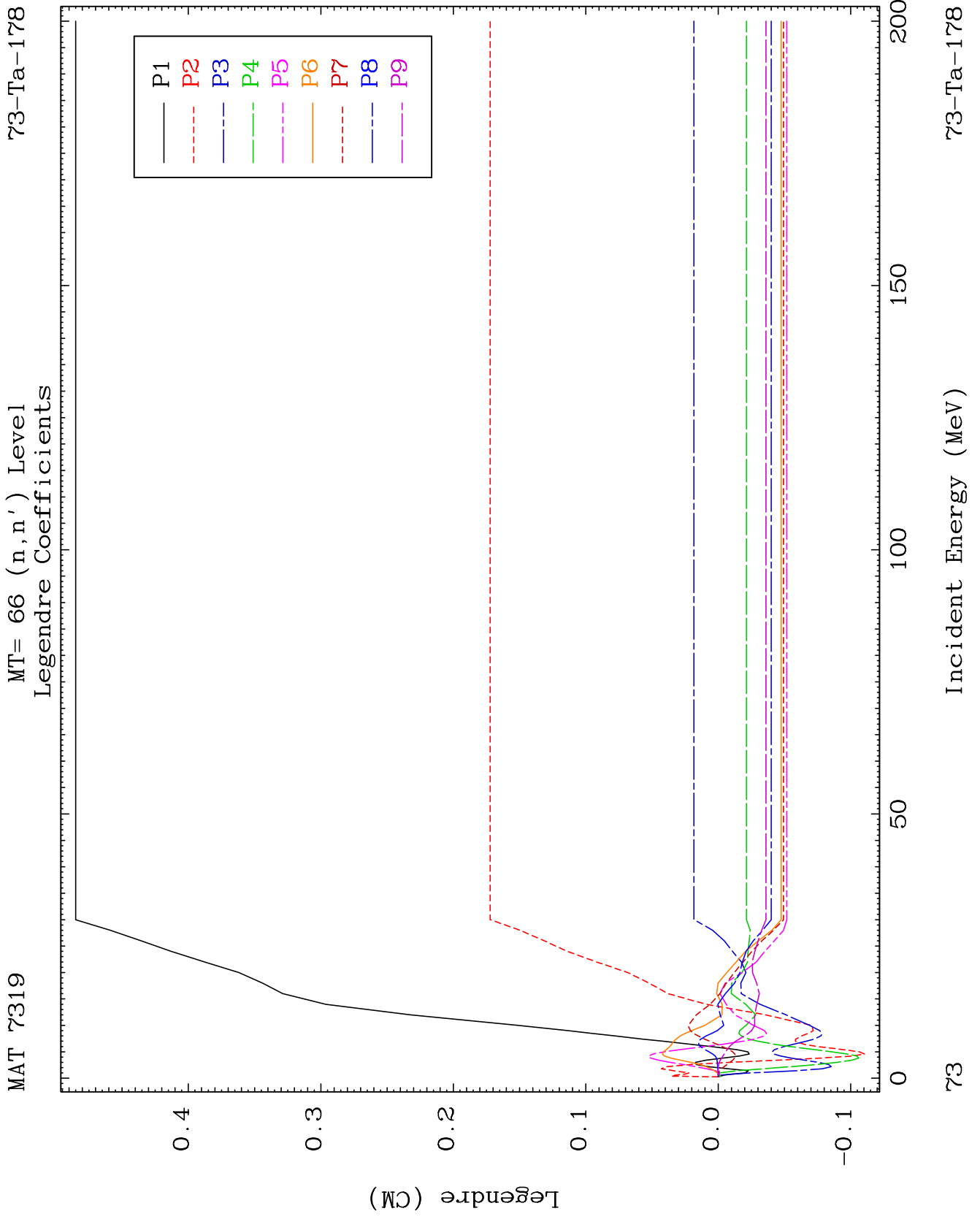


71

Incident Energy (MeV)

73-Ta-178

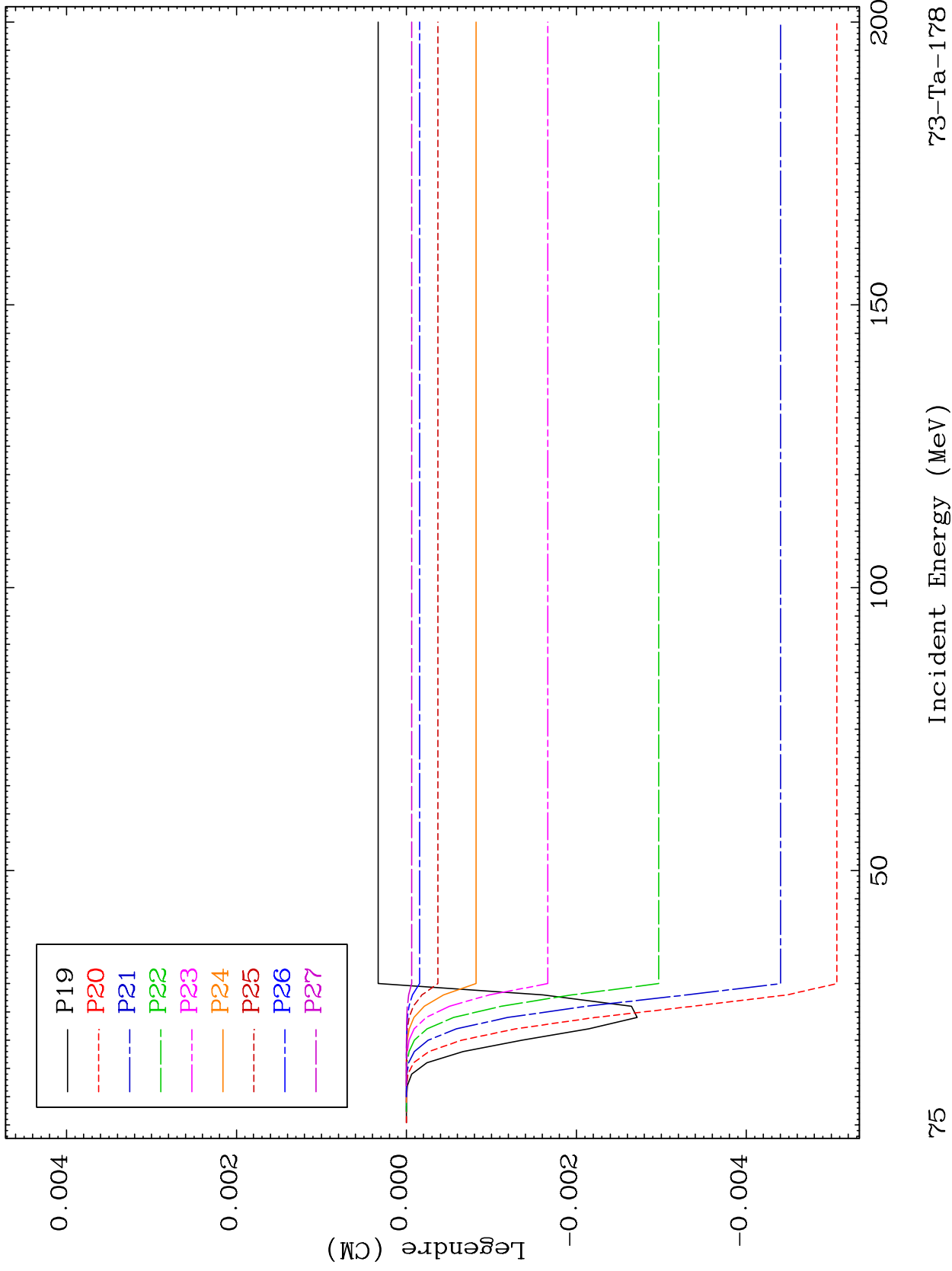




MAT 7319

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

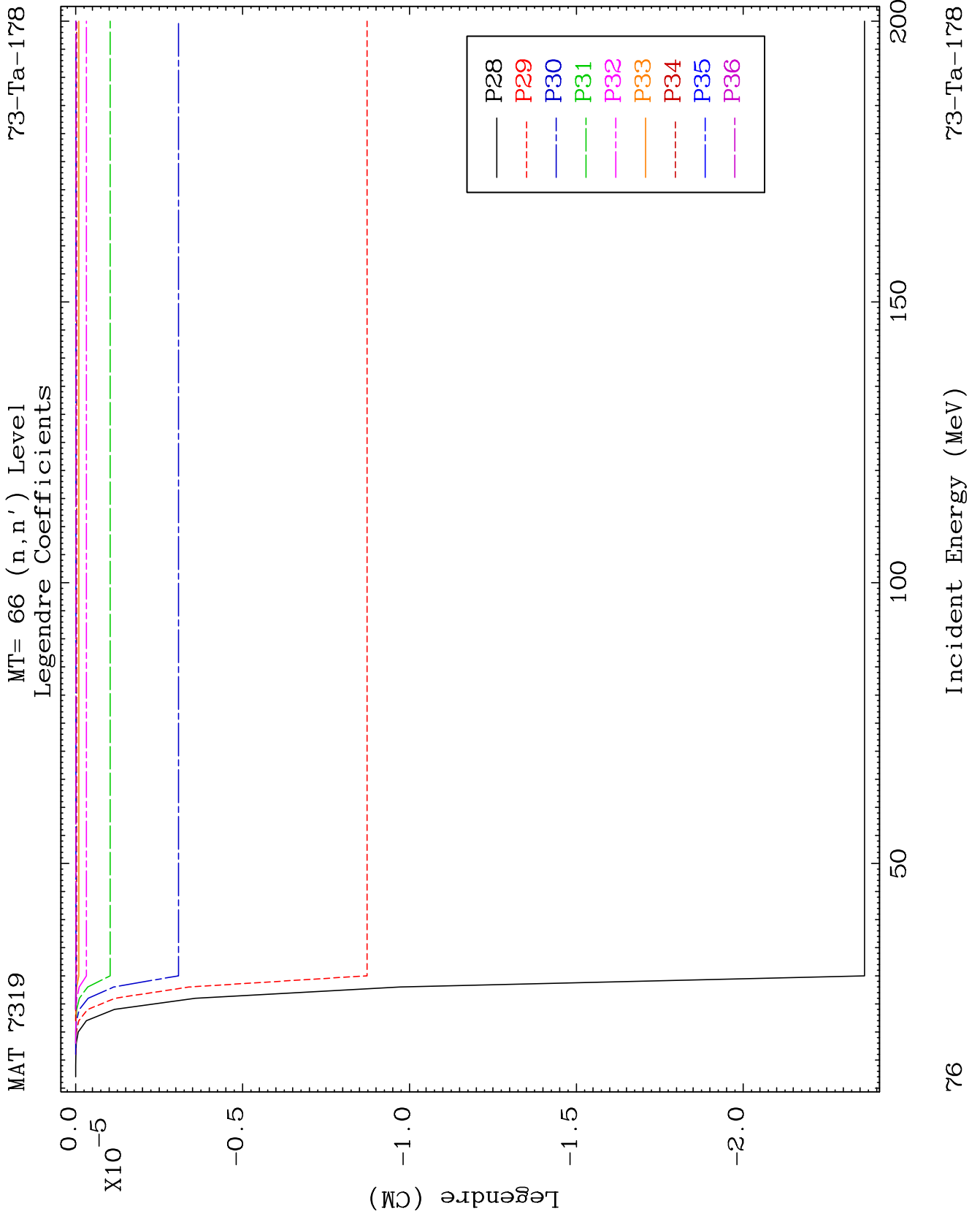
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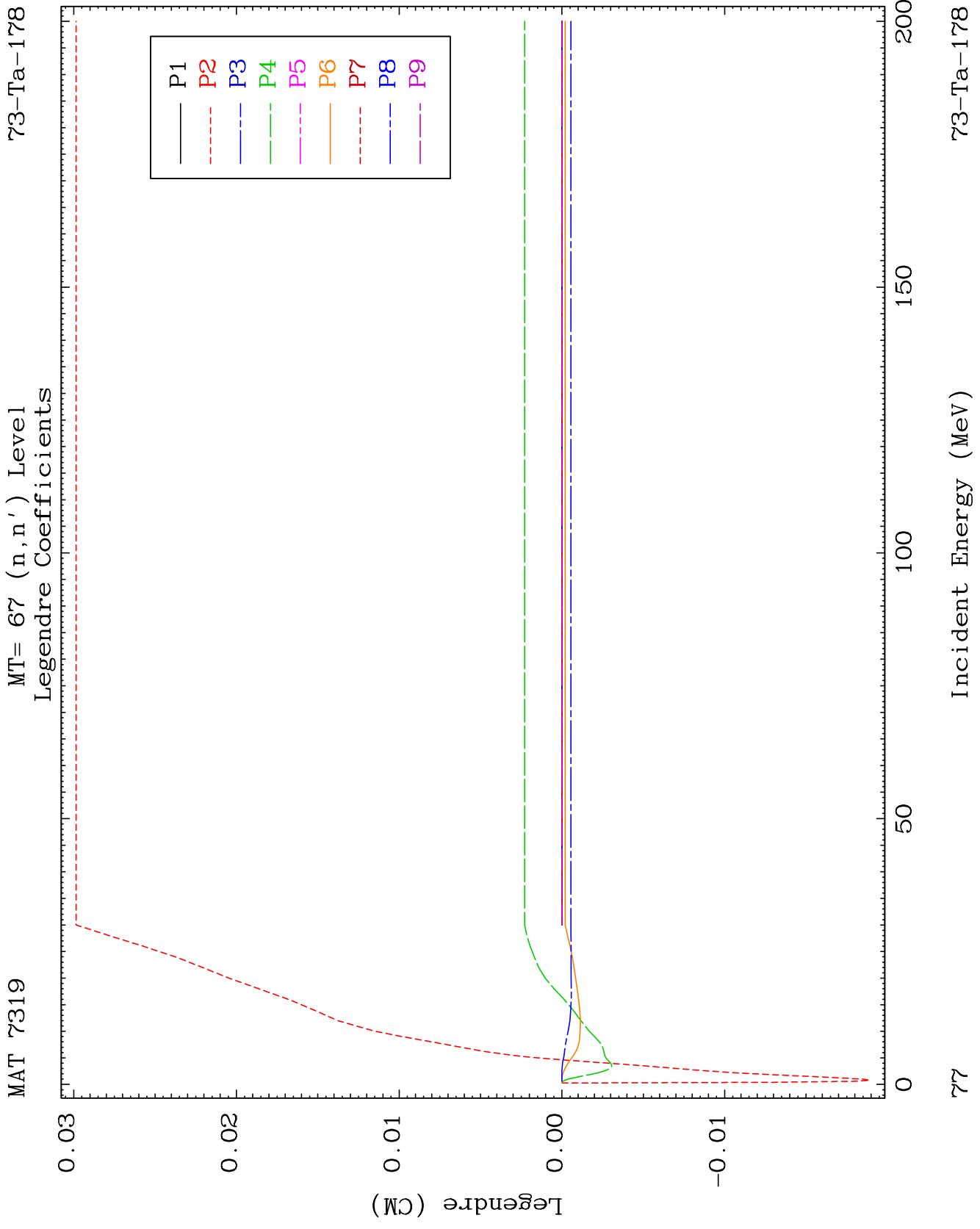


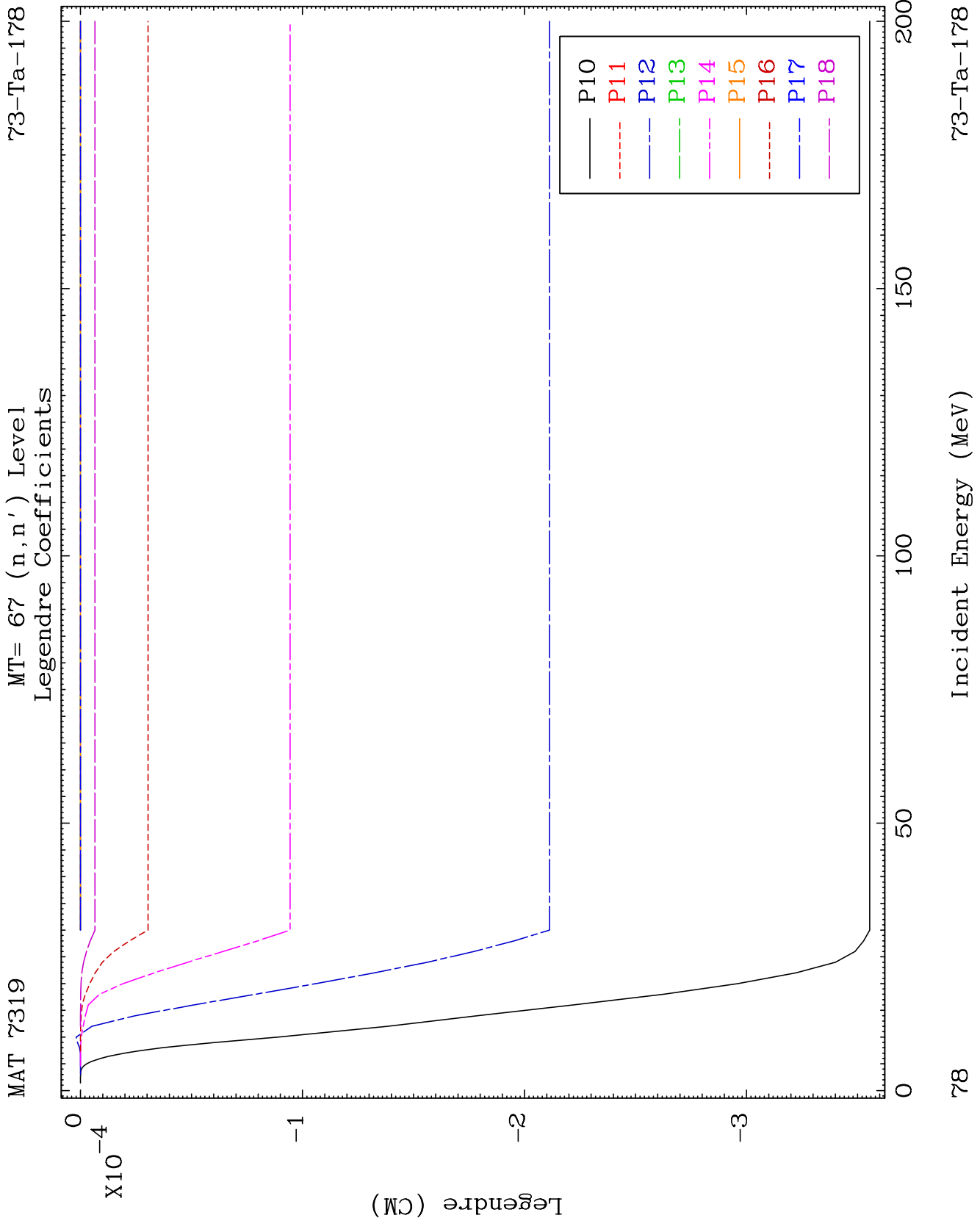
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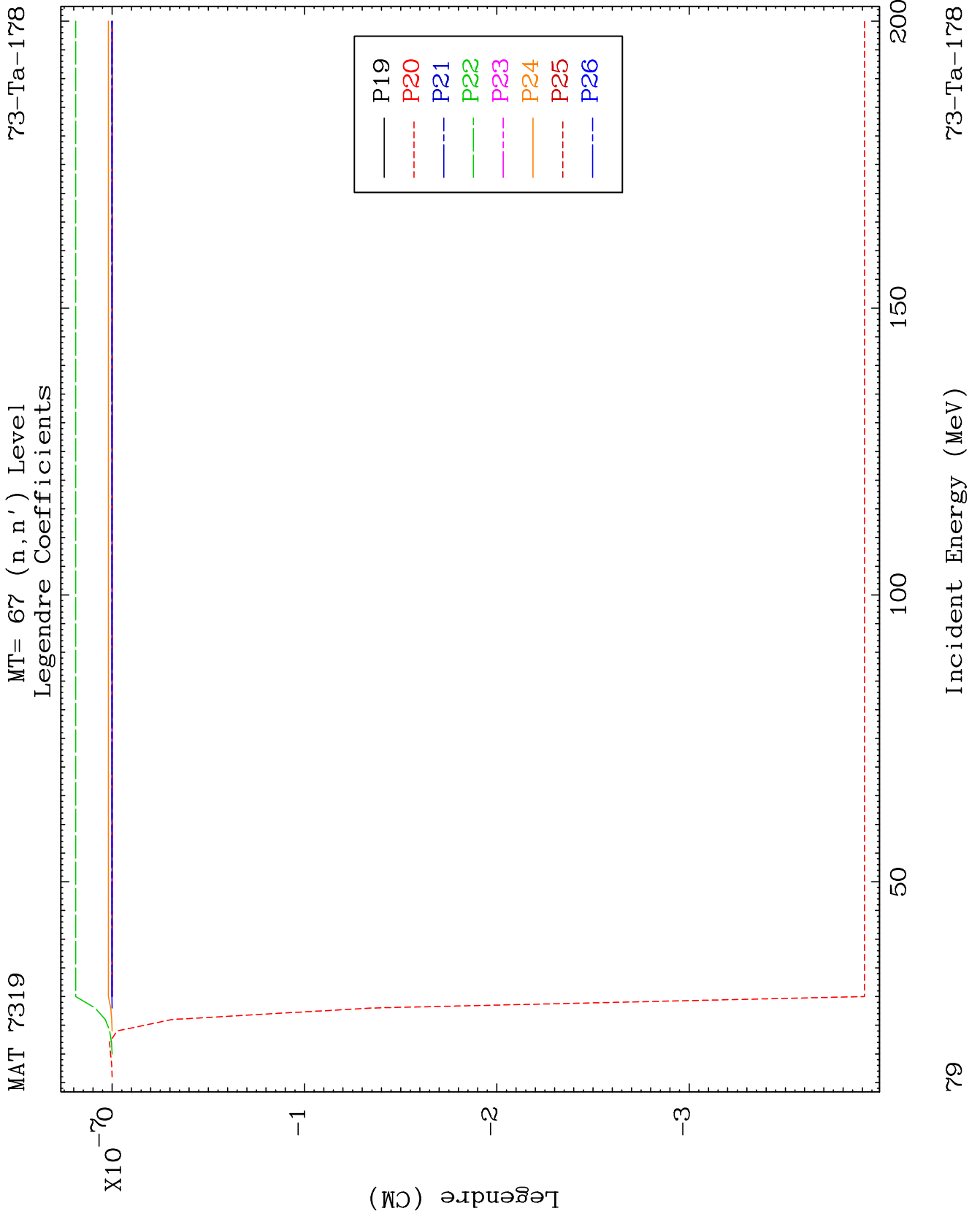
Incident Energy (MeV)

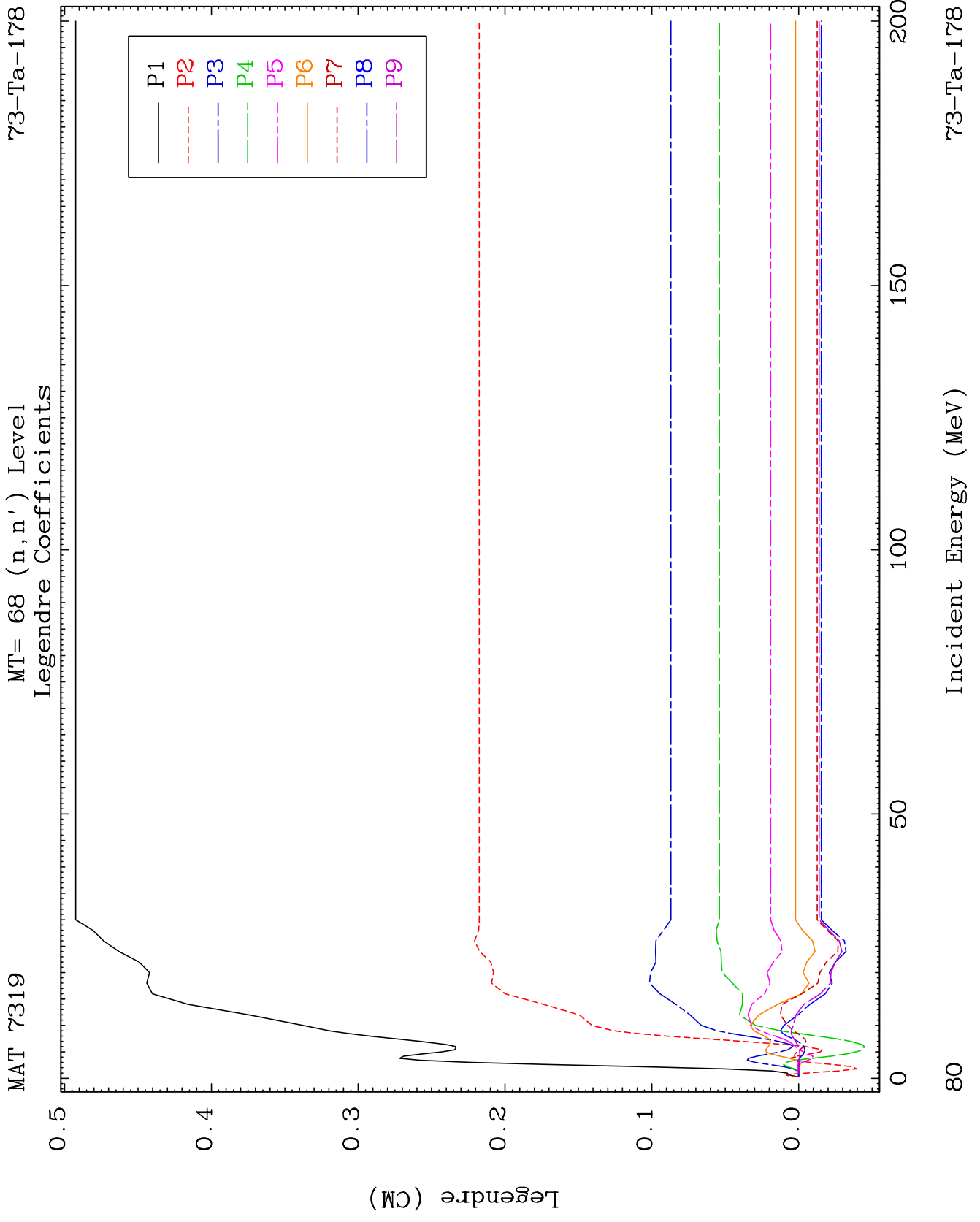
73-Ta-178







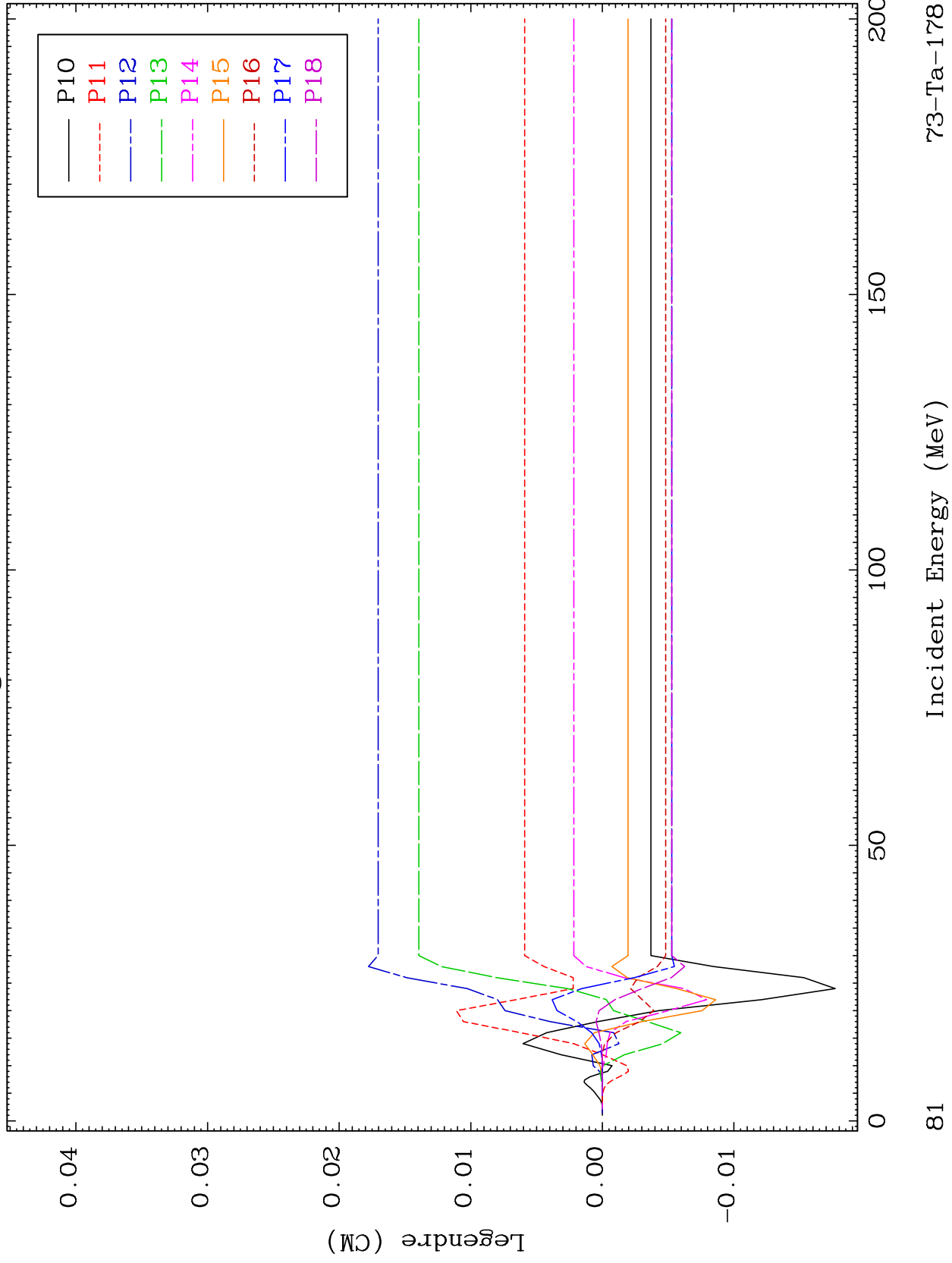




MAT 7319

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

73-Ta-178



73-Ta-178

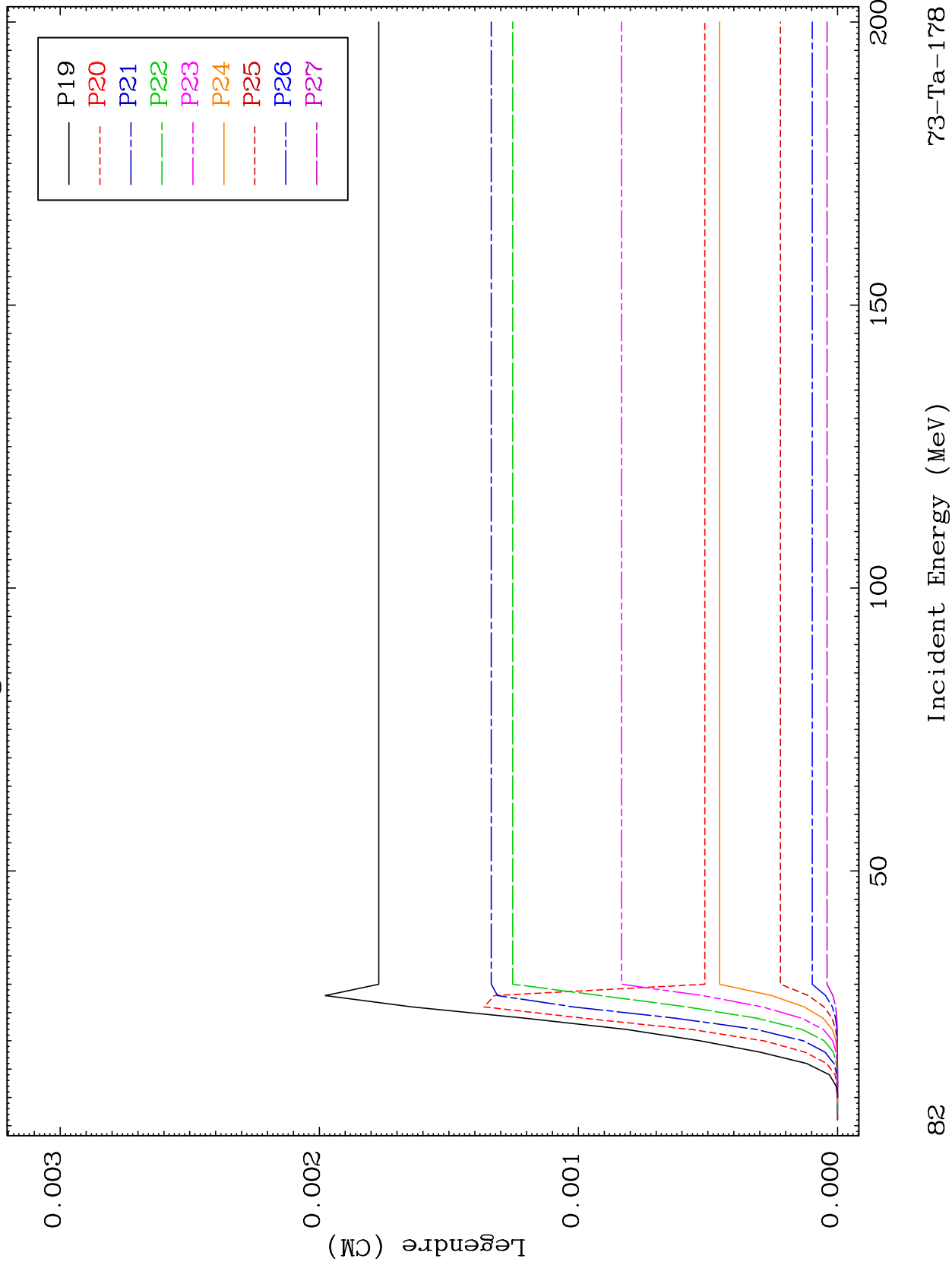
Incident Energy (MeV)

81

MAT 7319

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

73-Ta-178



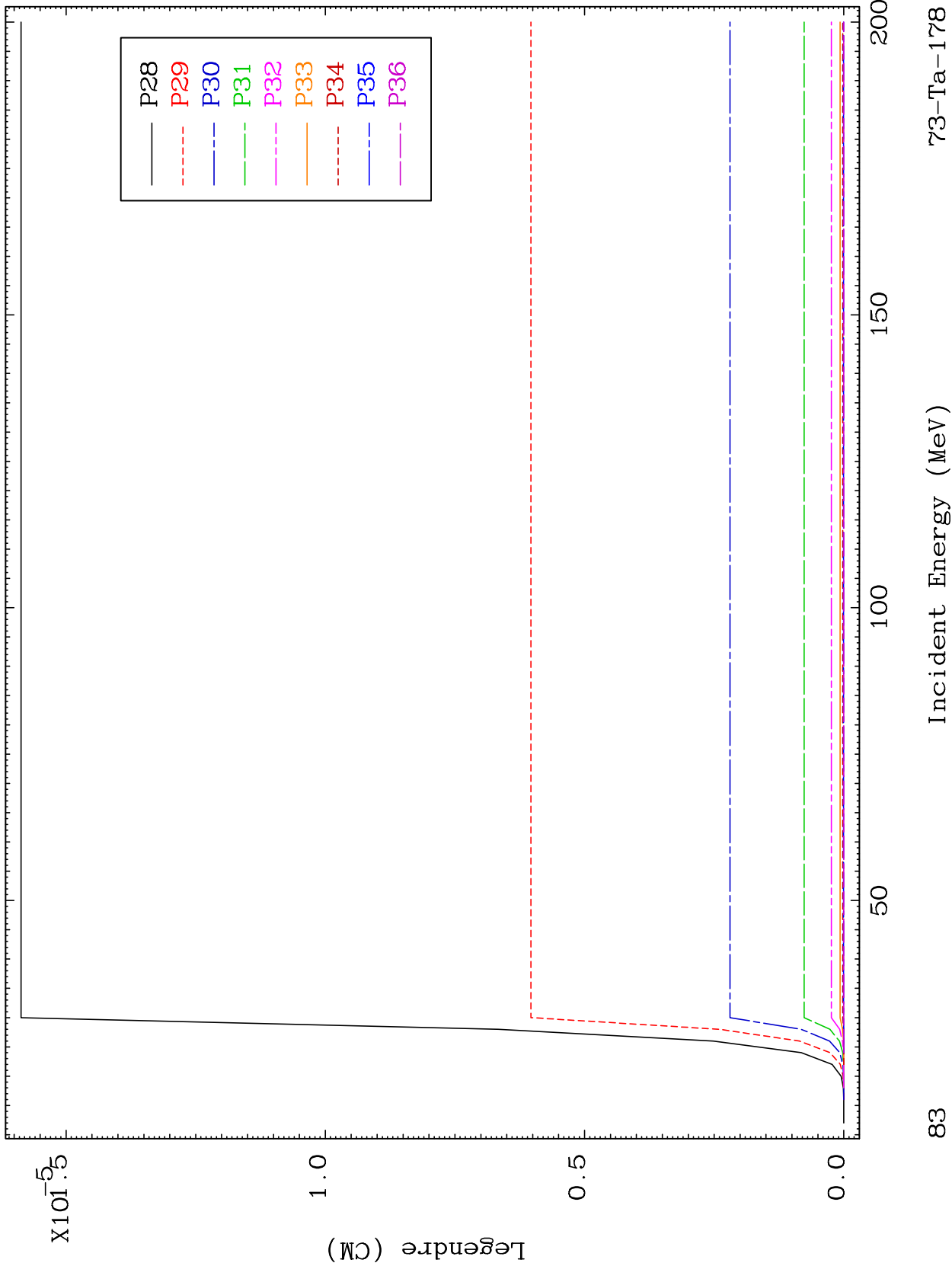
82

73-Ta-178

MAT 7319

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

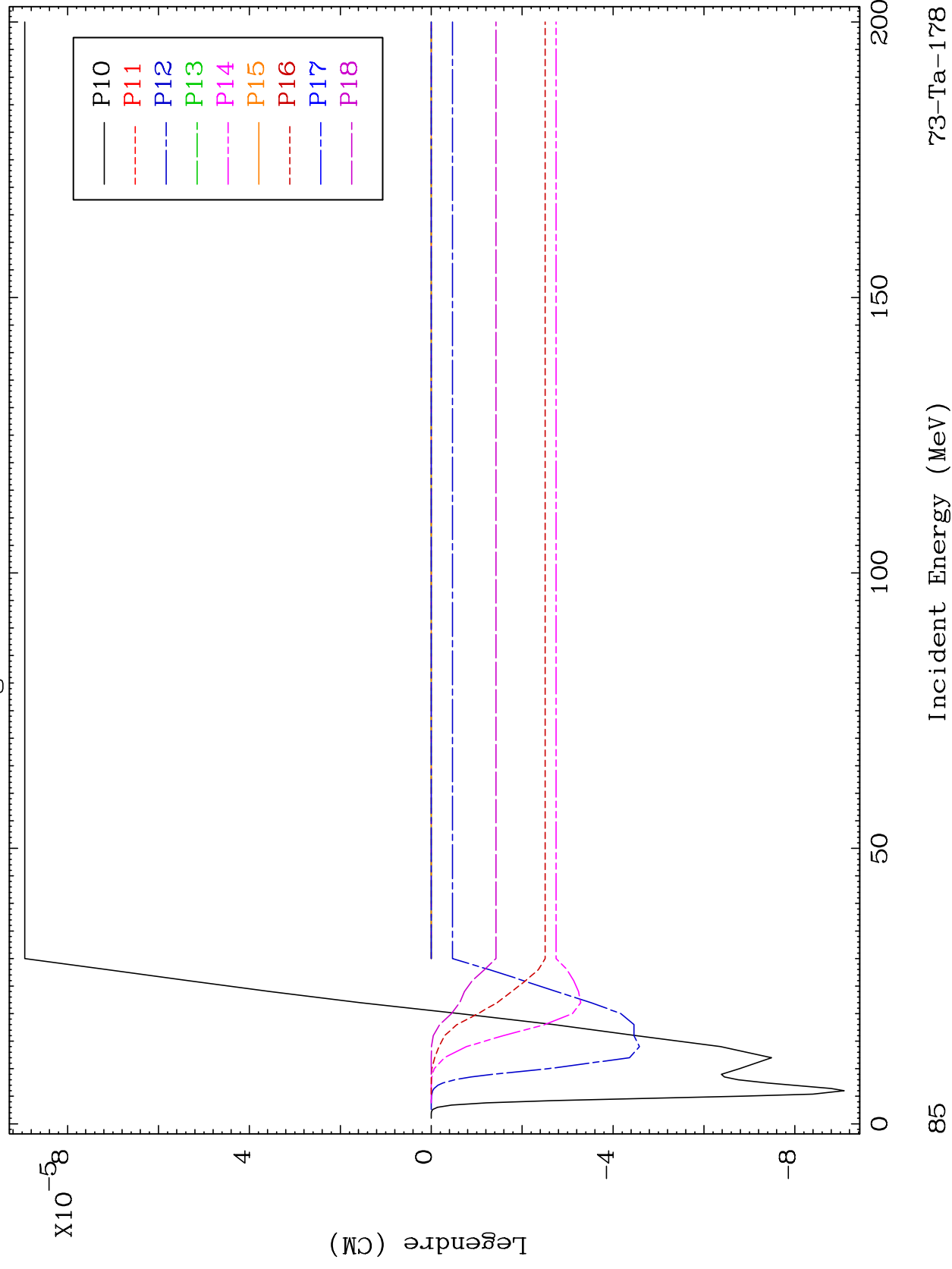
73-Ta-178



MAT 7319

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

73-Ta-178



73-Ta-178

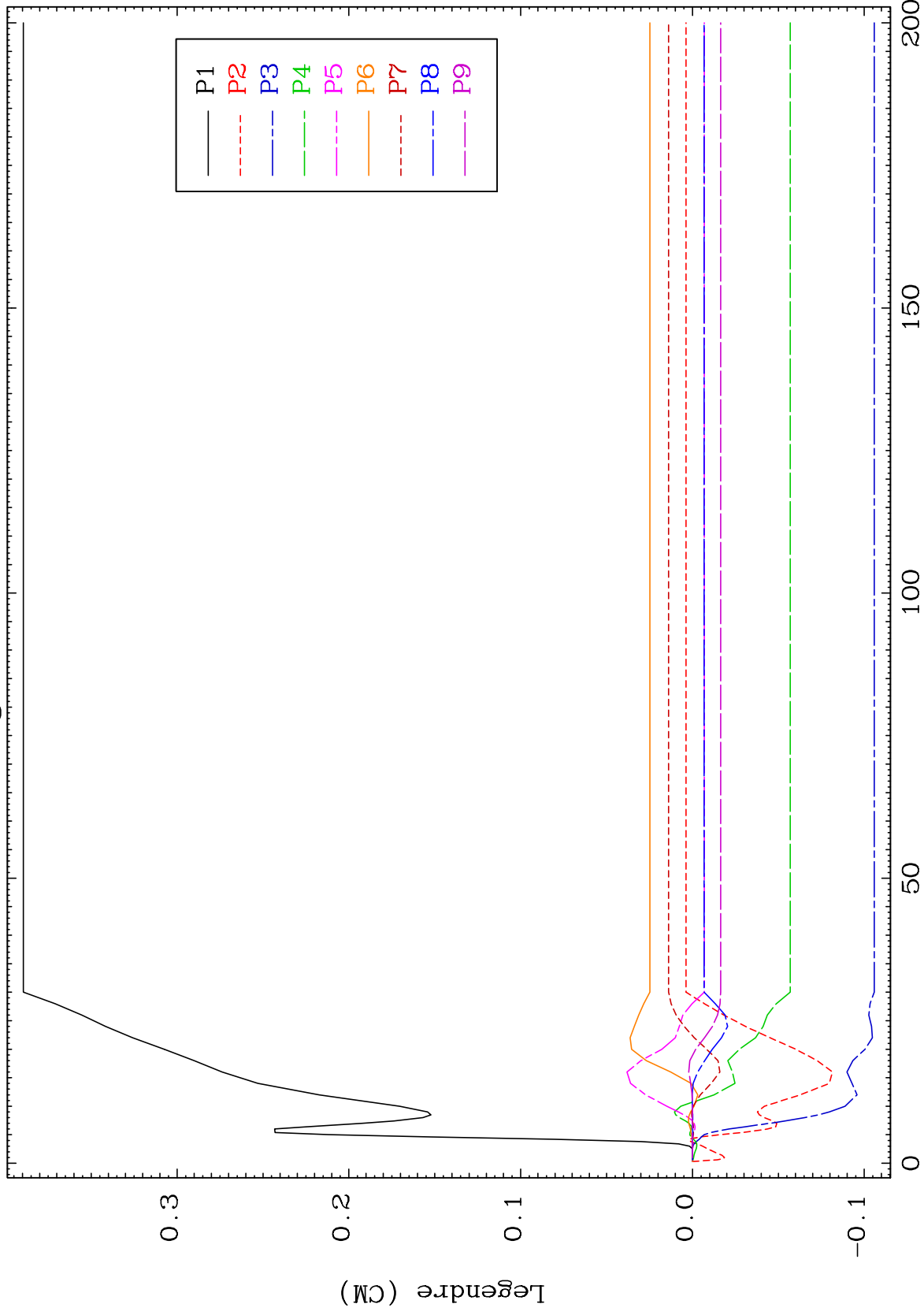
Incident Energy (MeV)

85

MAT 7319

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

73-Ta-178



87

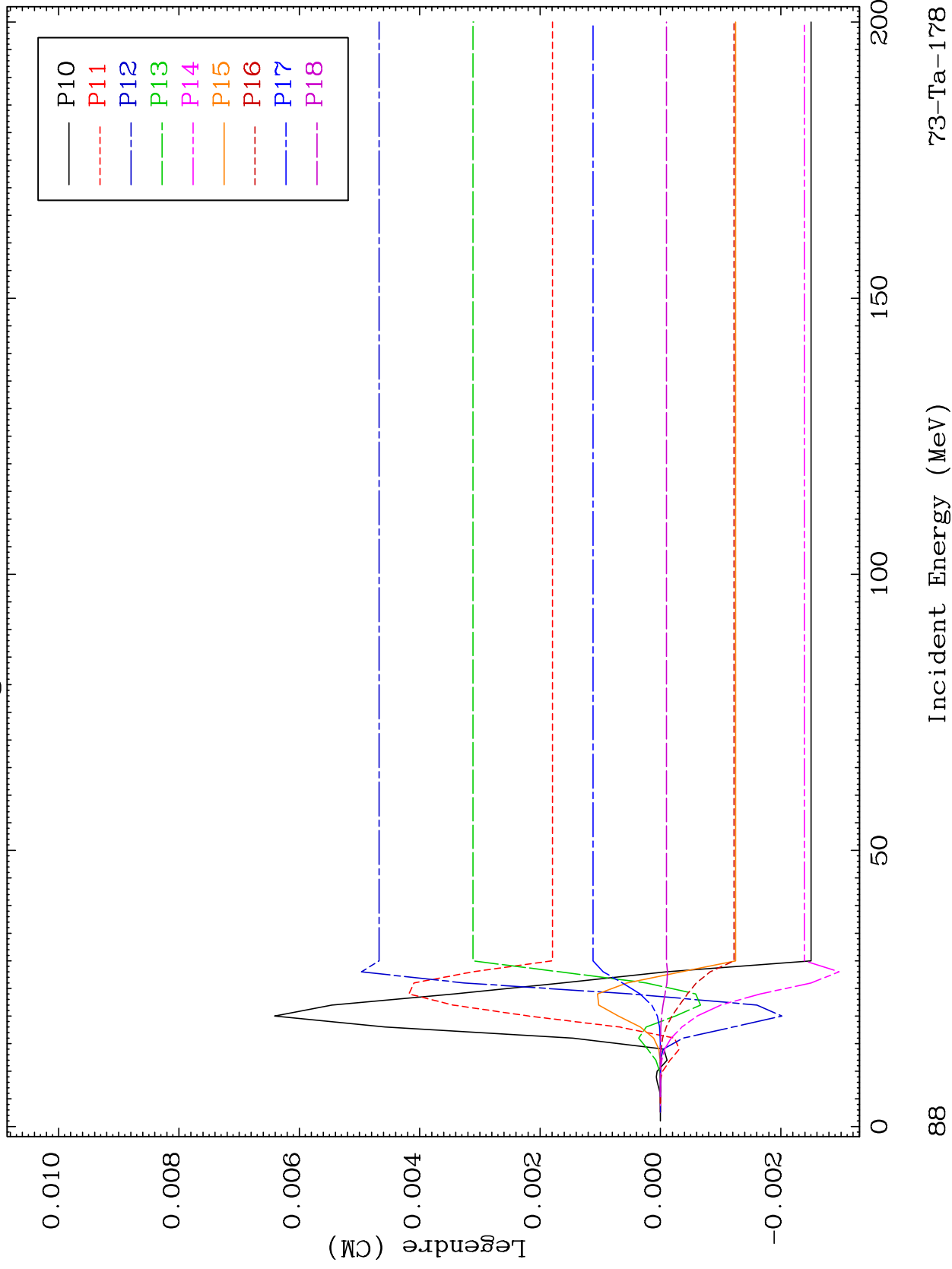
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

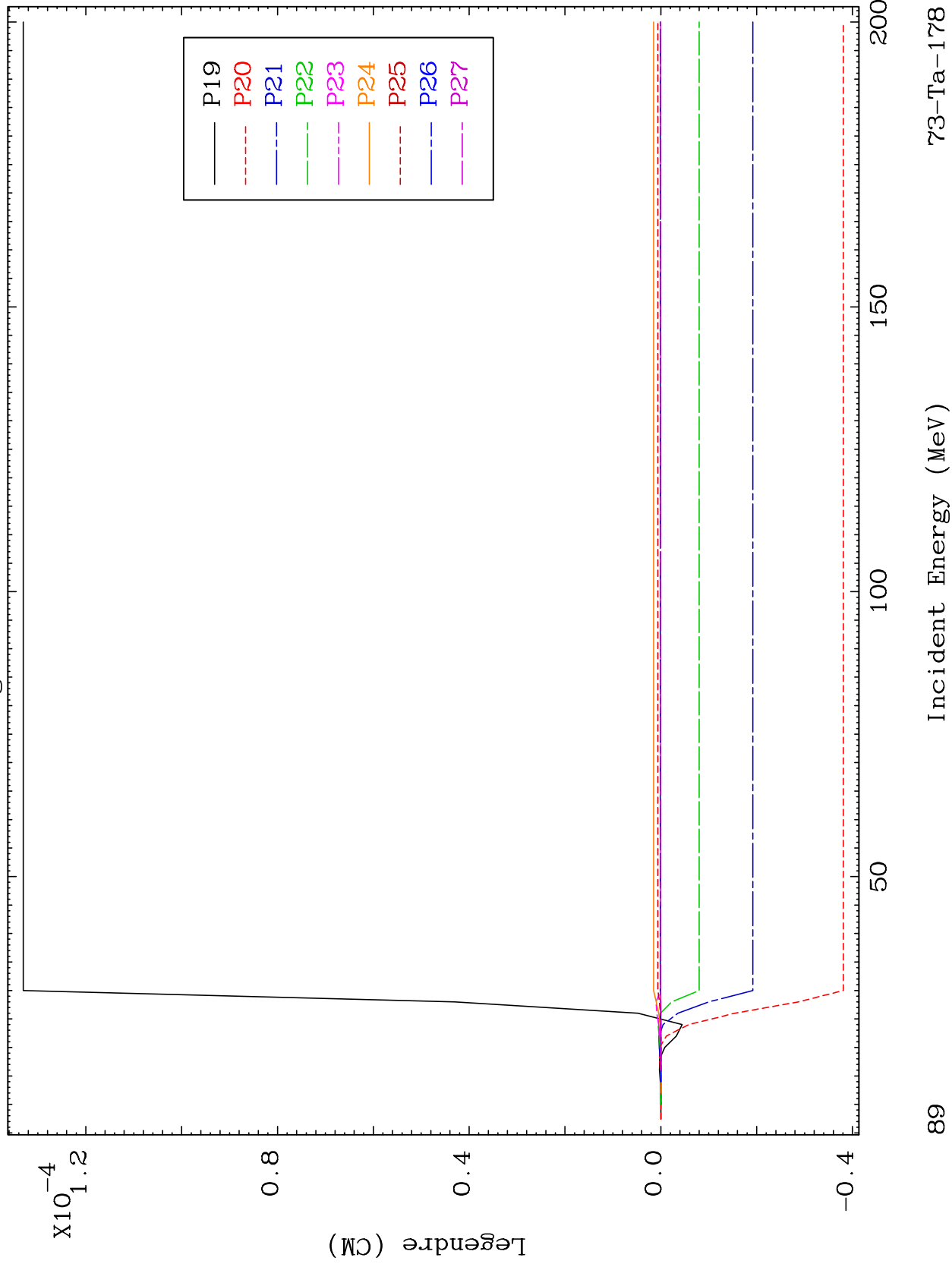
73-Ta-178



MAT 7319

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

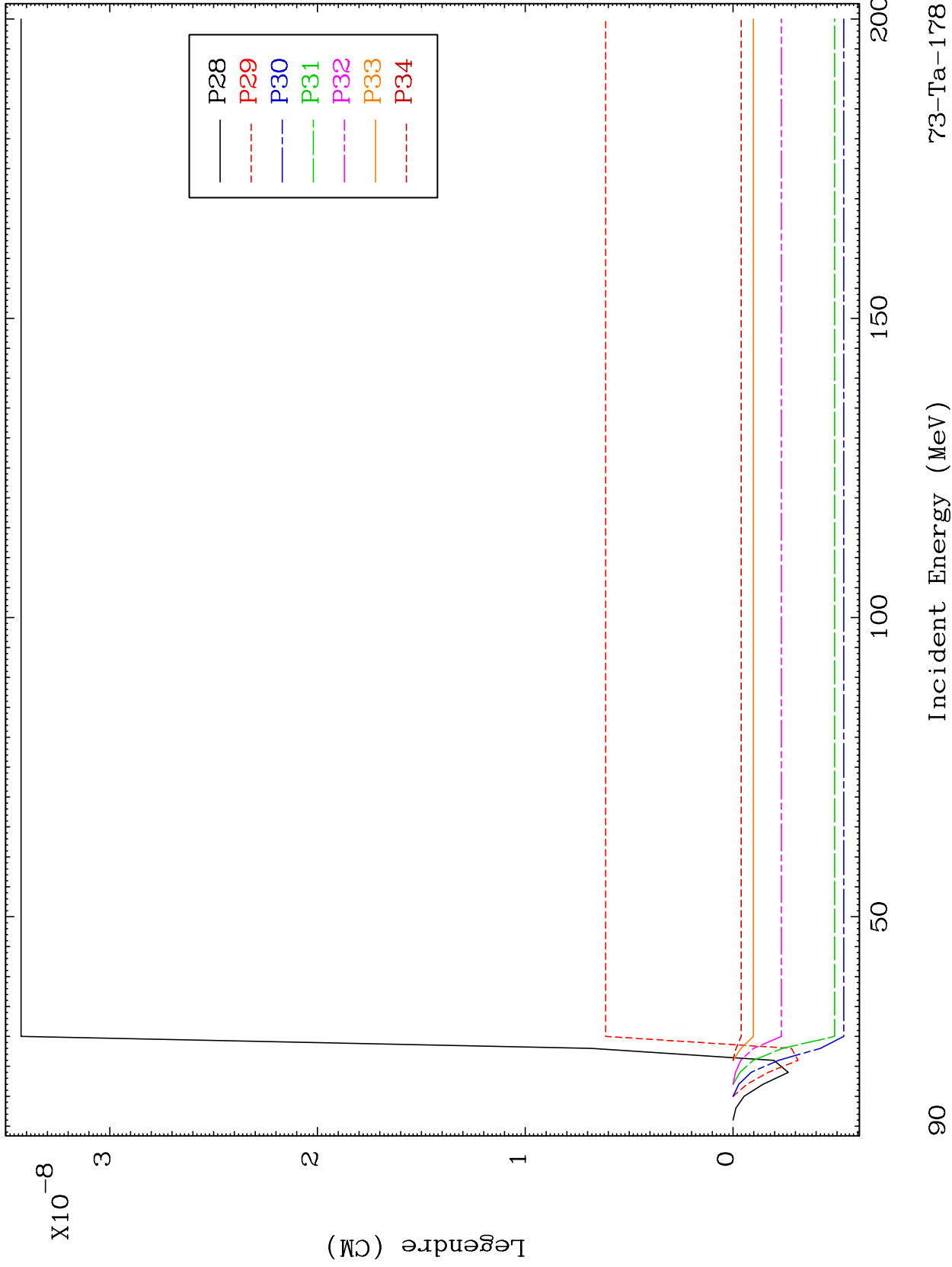
73-Ta-178

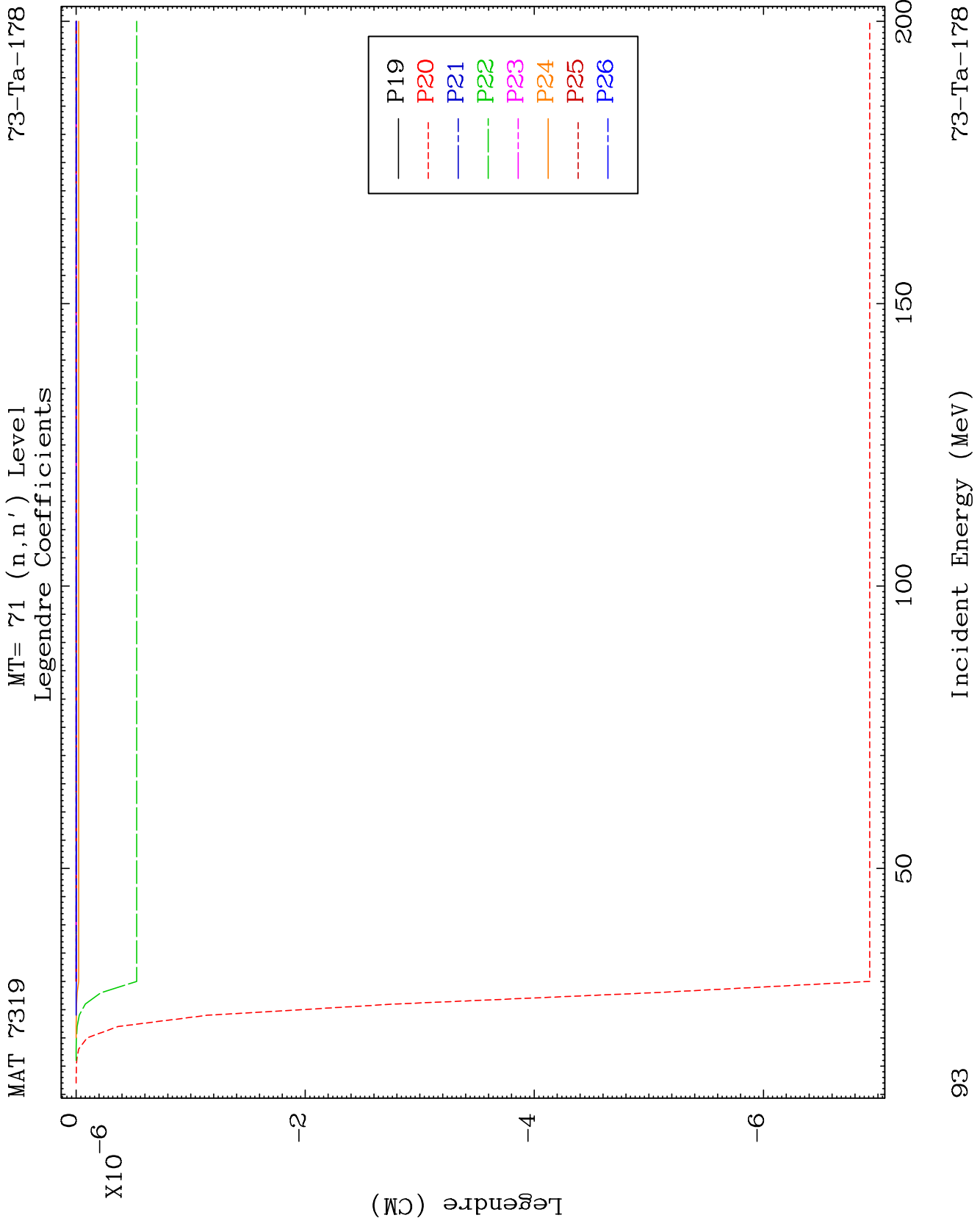


MAT 7319

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

73-Ta-178

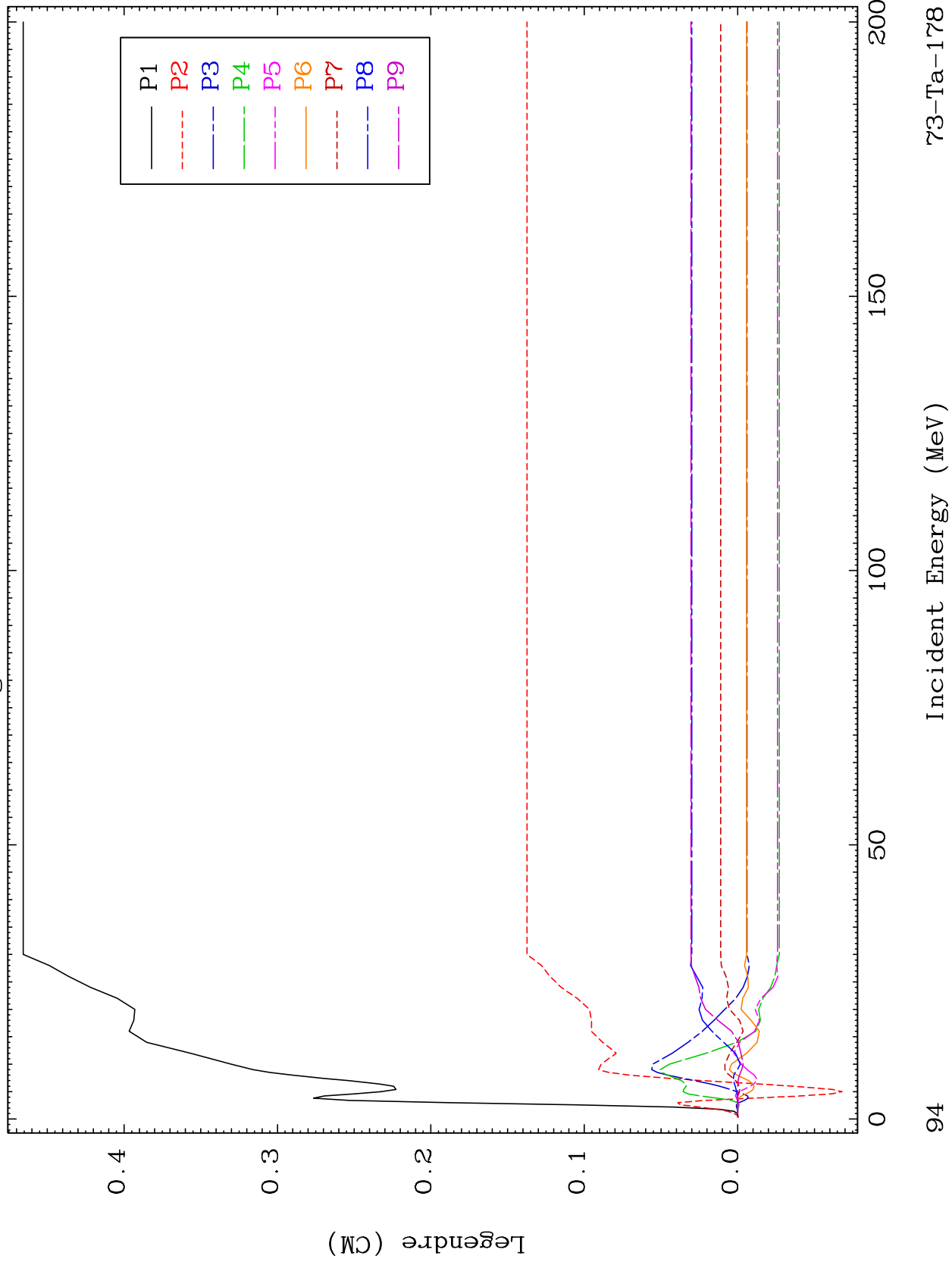




MAT 7319

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

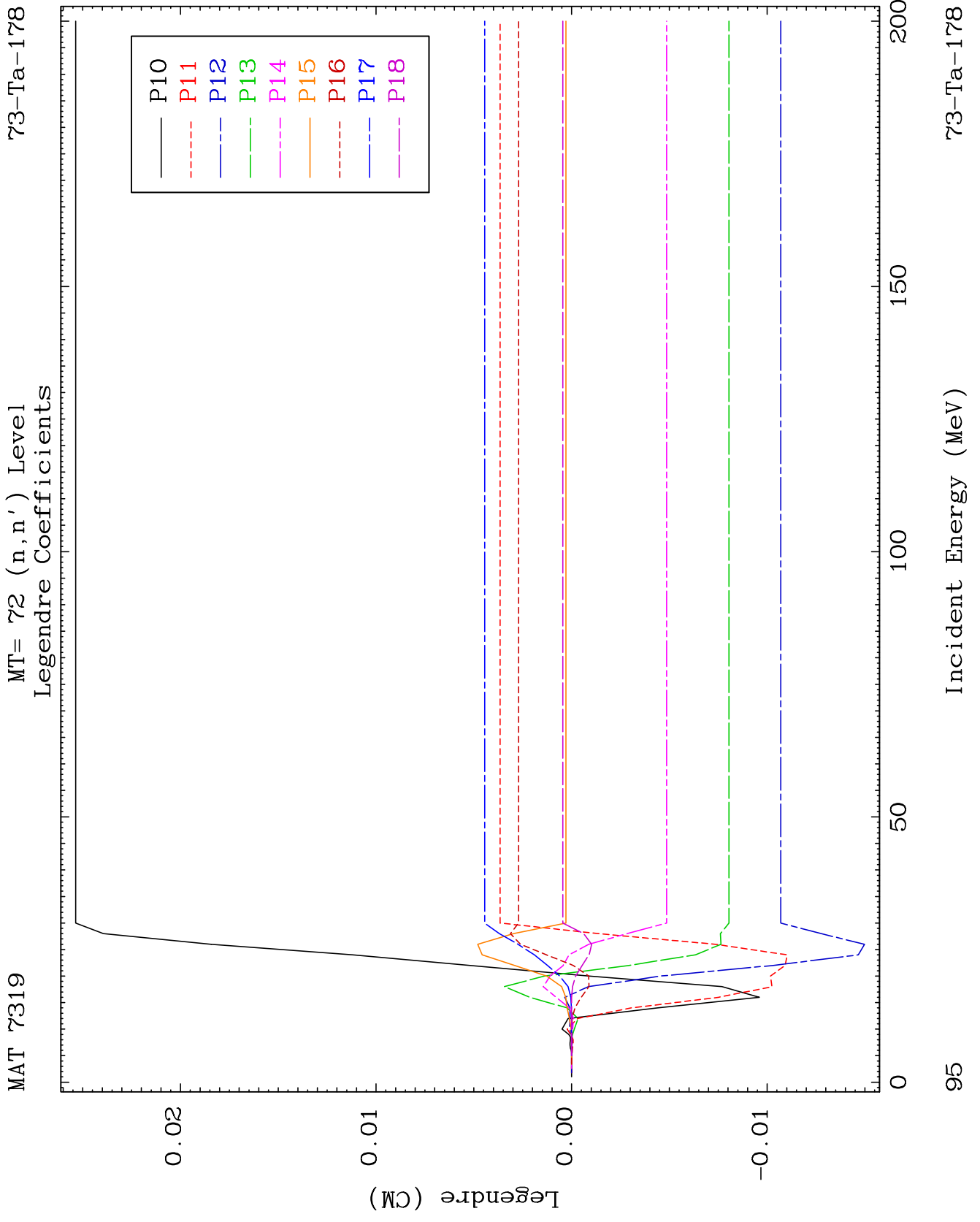
73-Ta-178



94

Incident Energy (MeV)

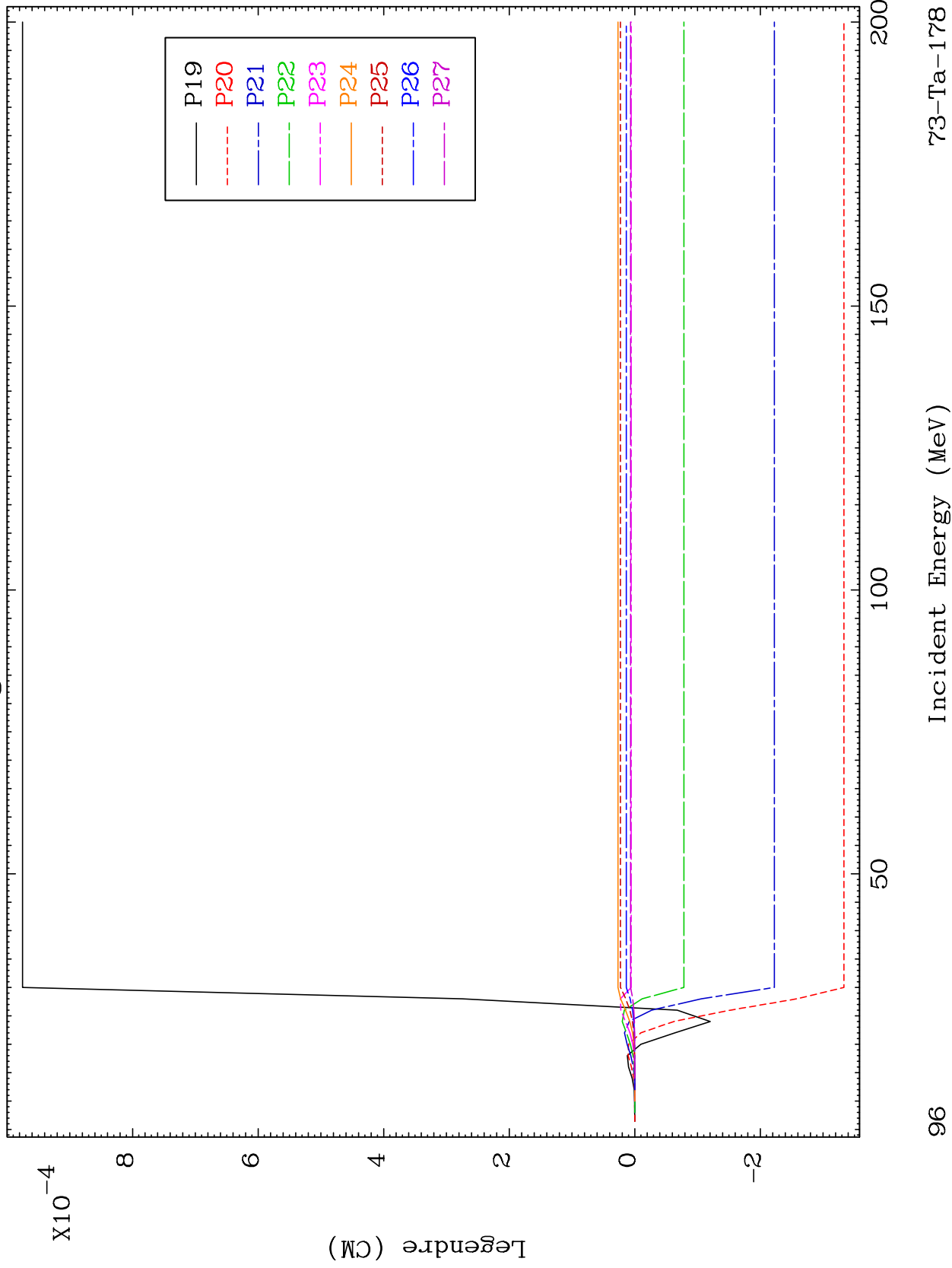
73-Ta-178

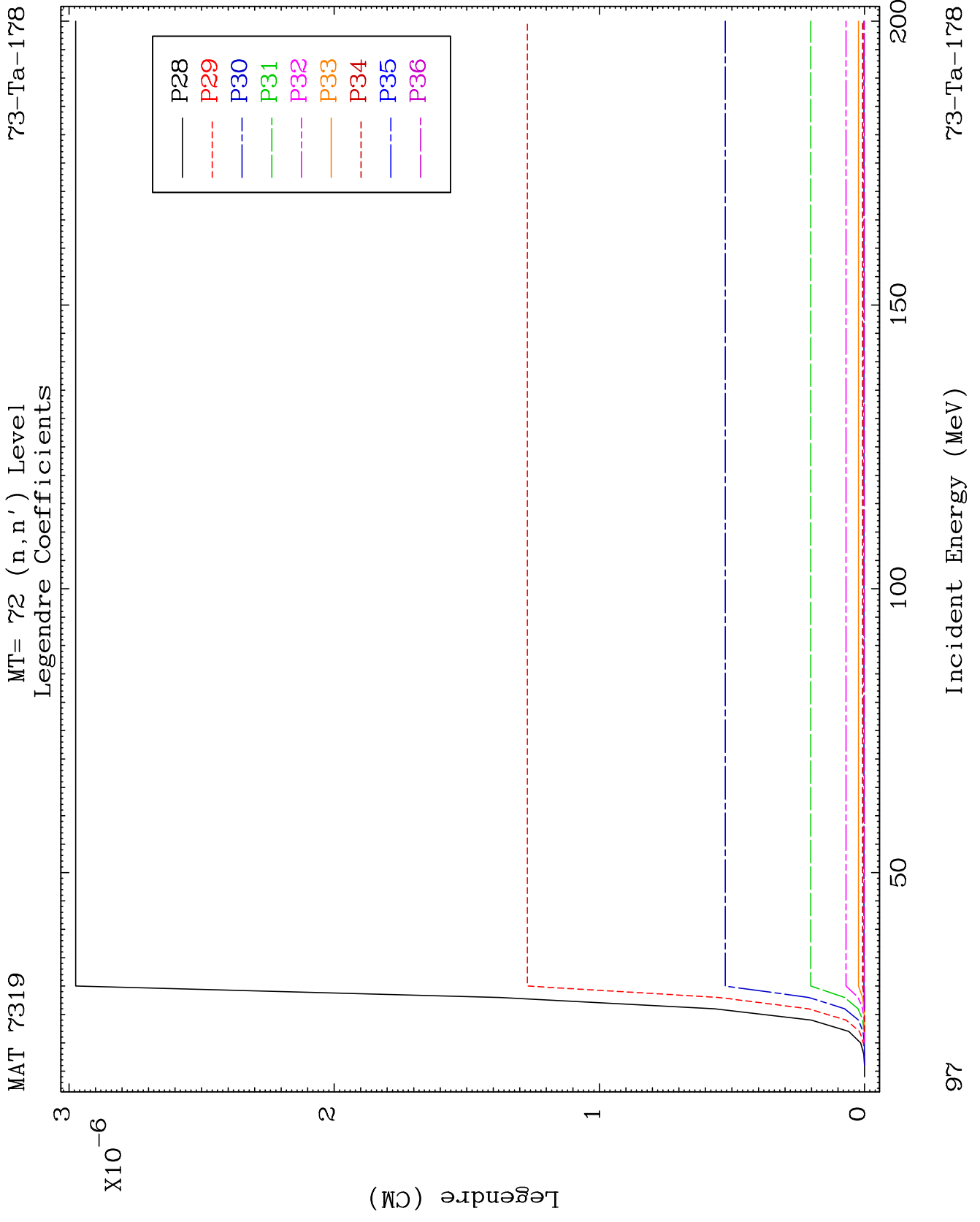


MAT 7319

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

73-Ta-178

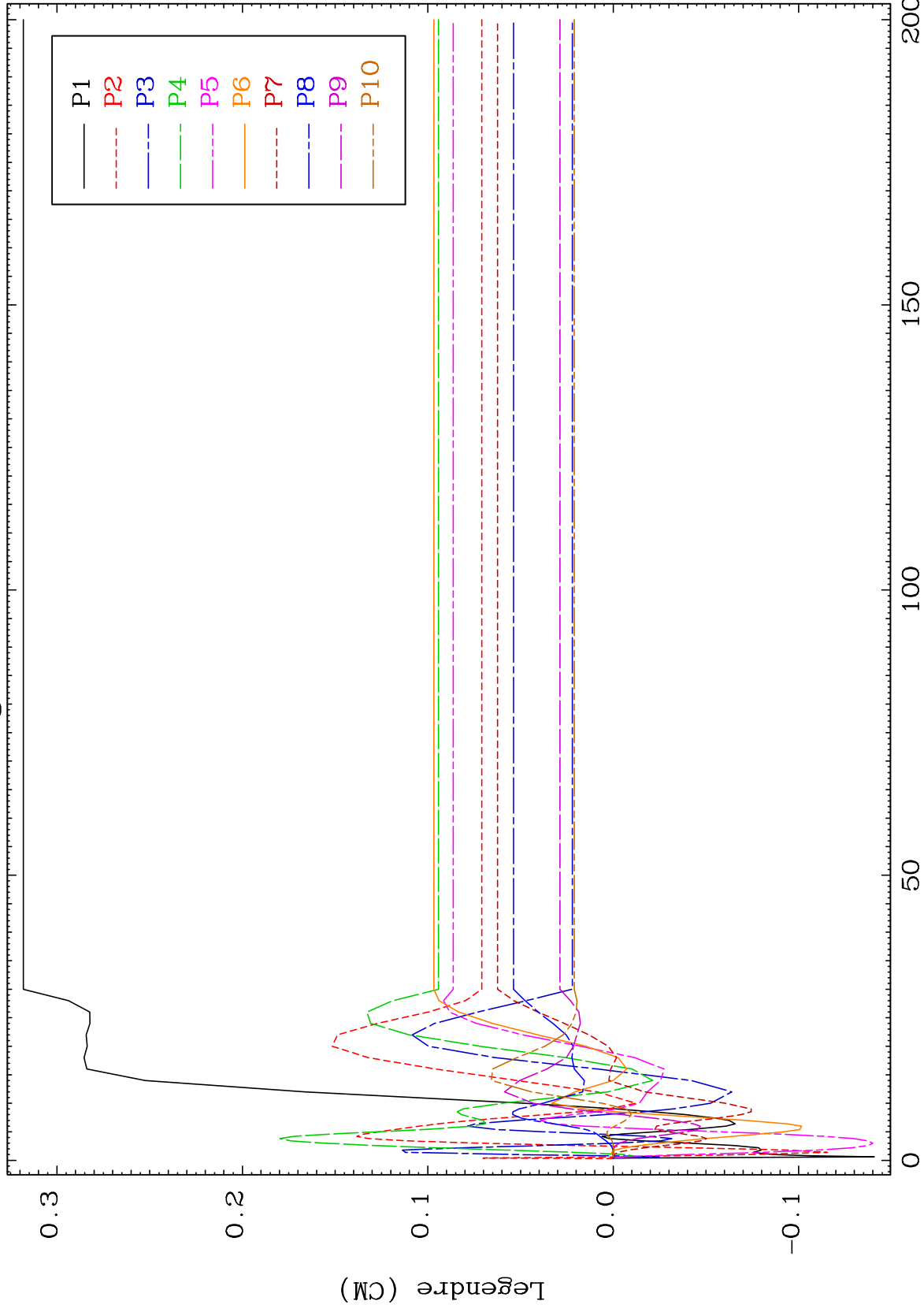




MAT 7319

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

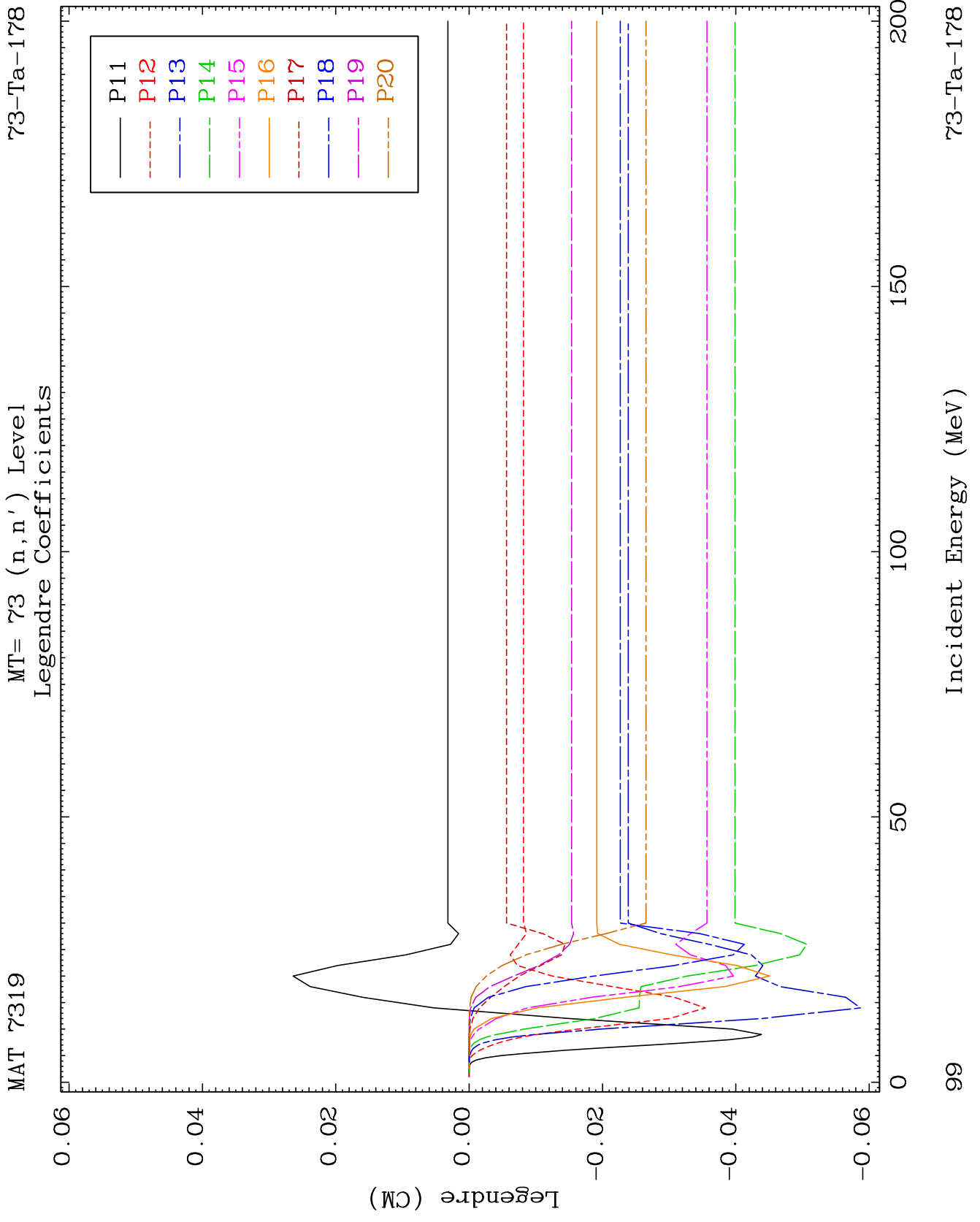
73-Ta-178

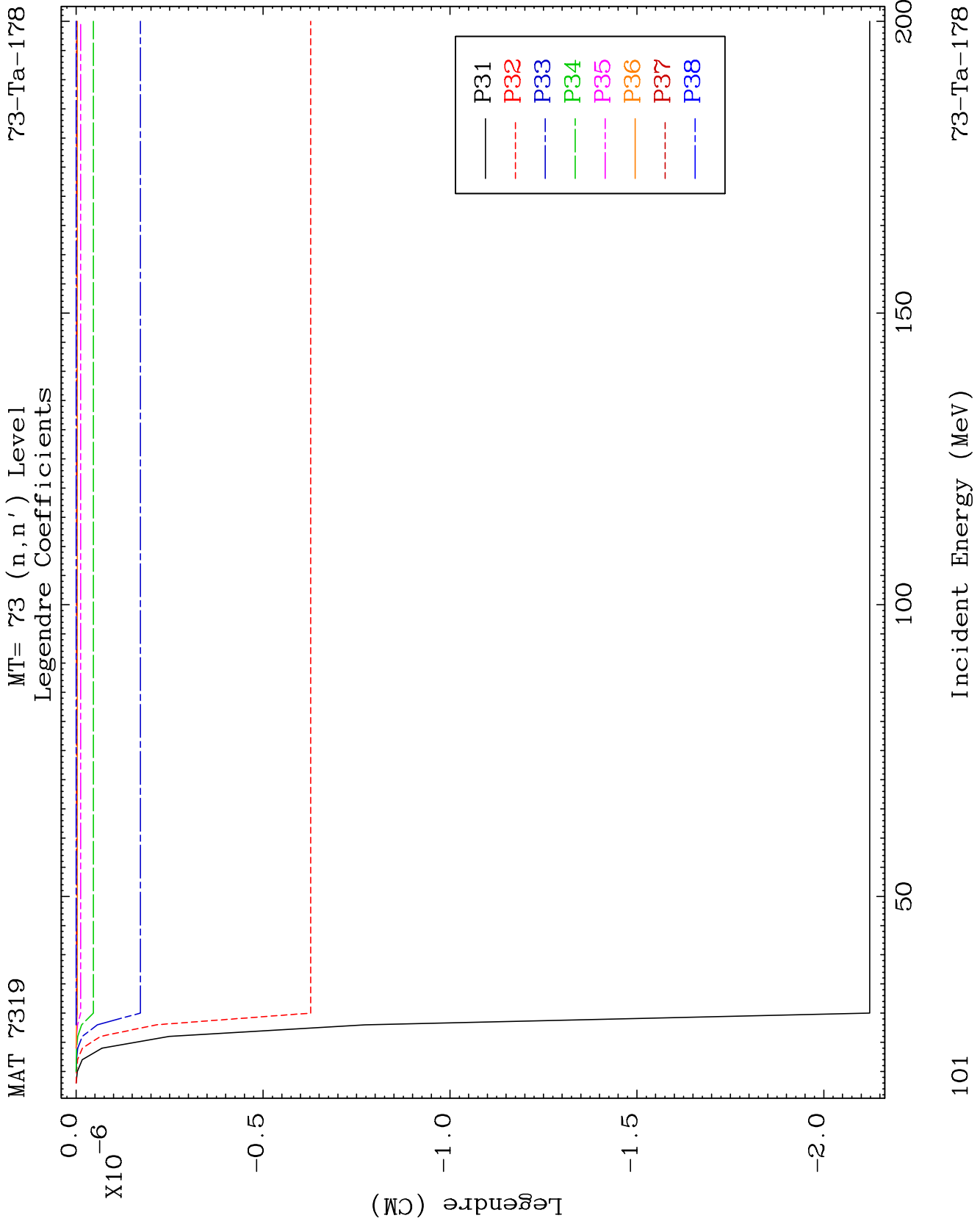


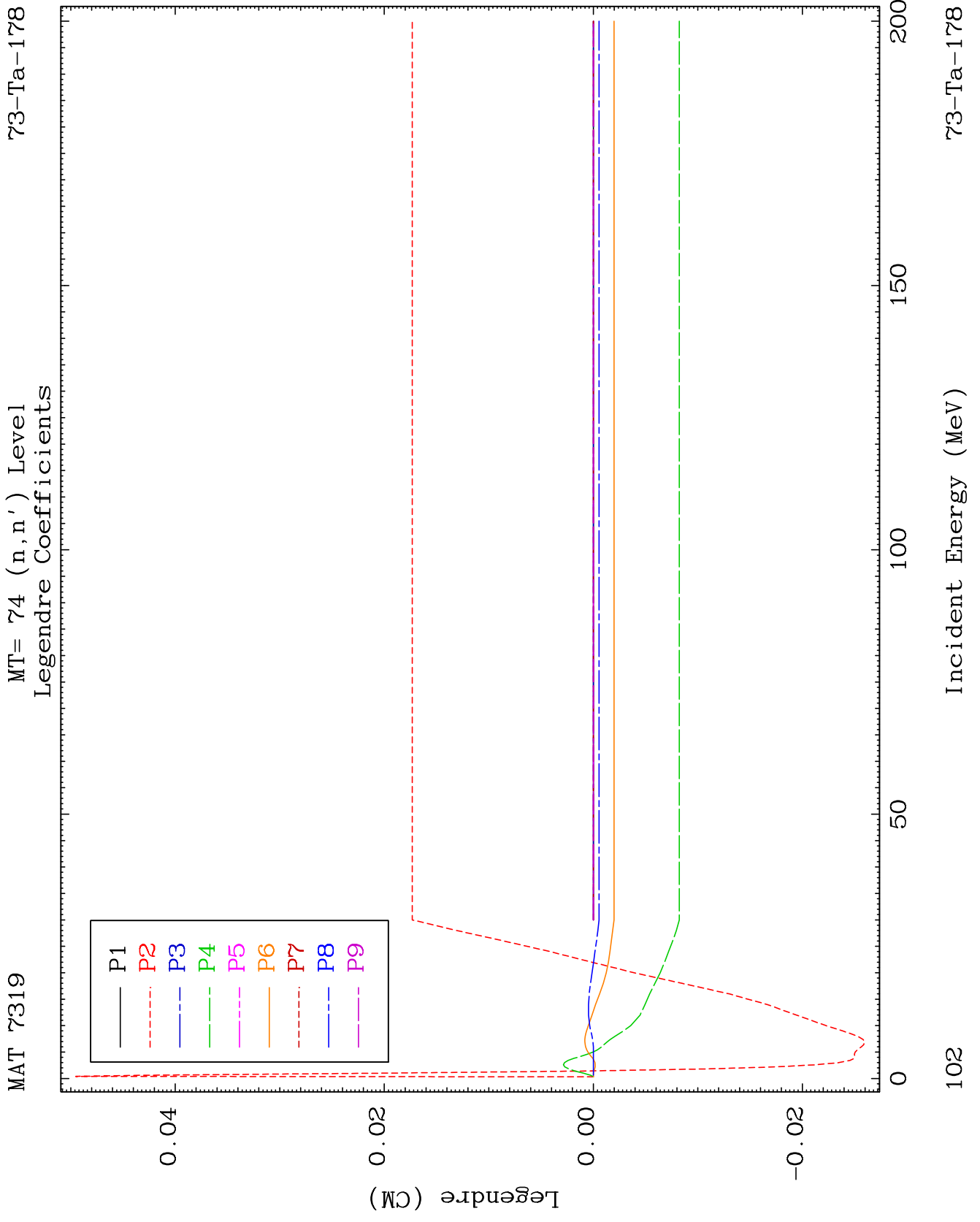
98

Incident Energy (MeV)

73-Ta-178



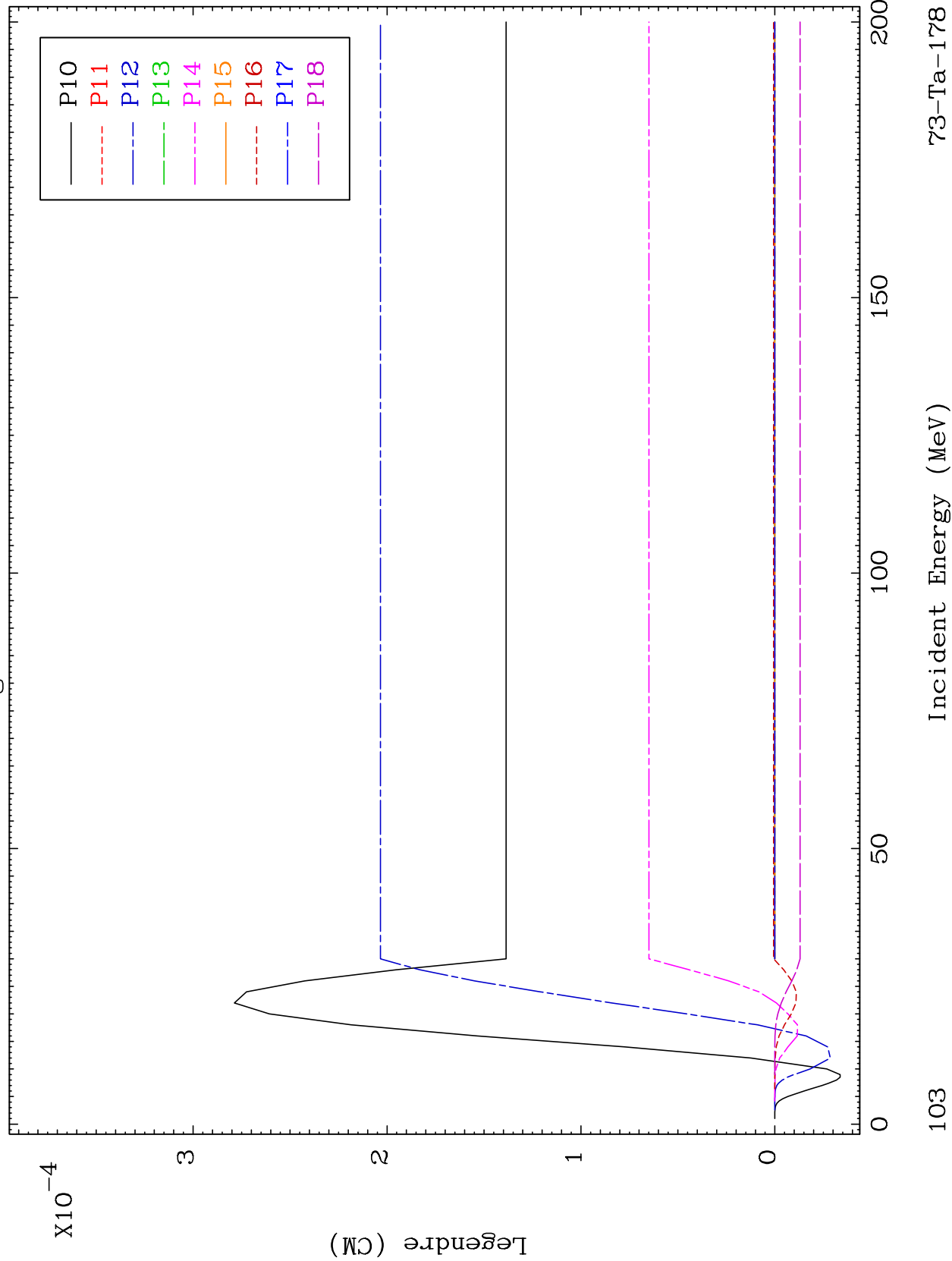


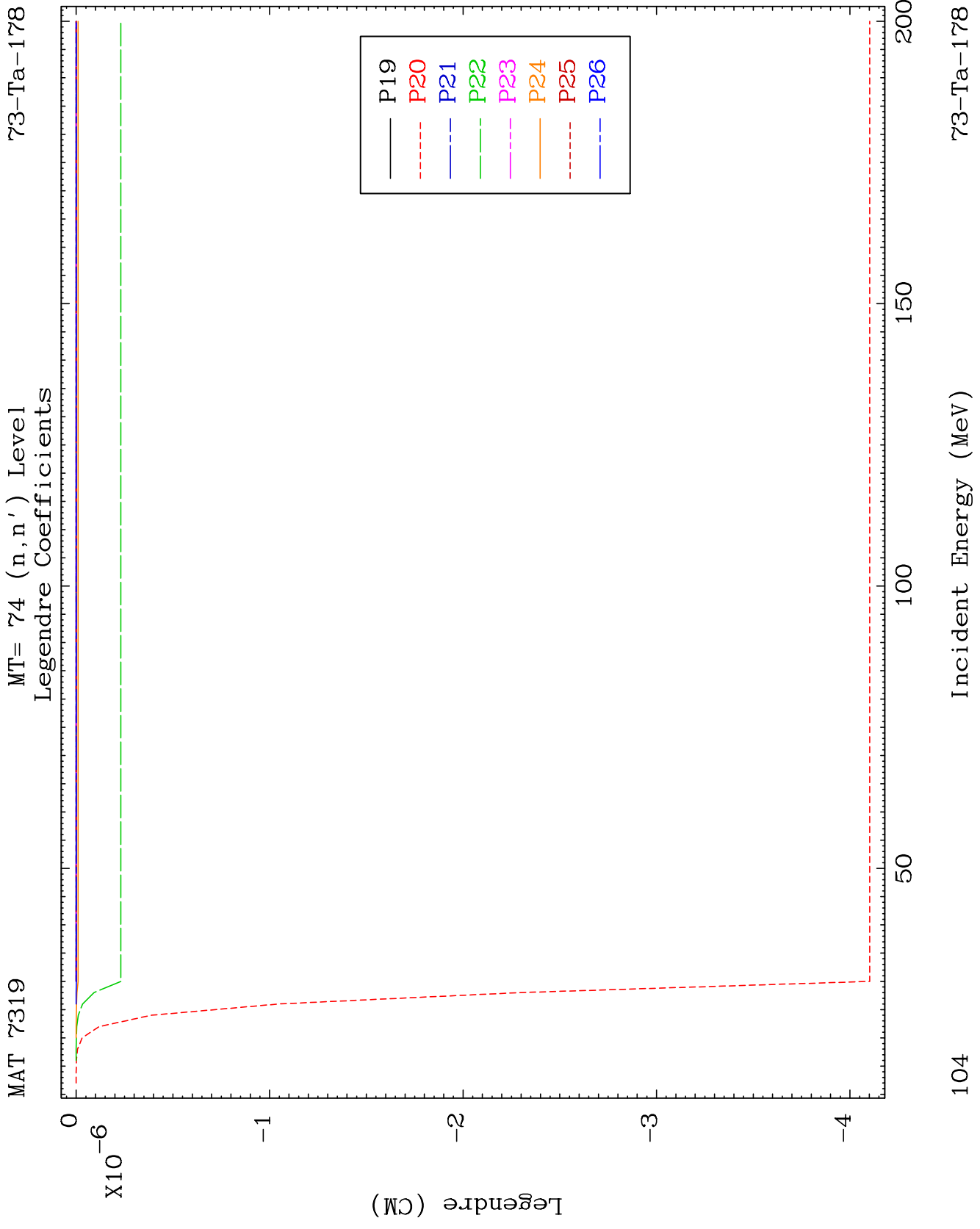


MAT 7319

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

73-Ta-178

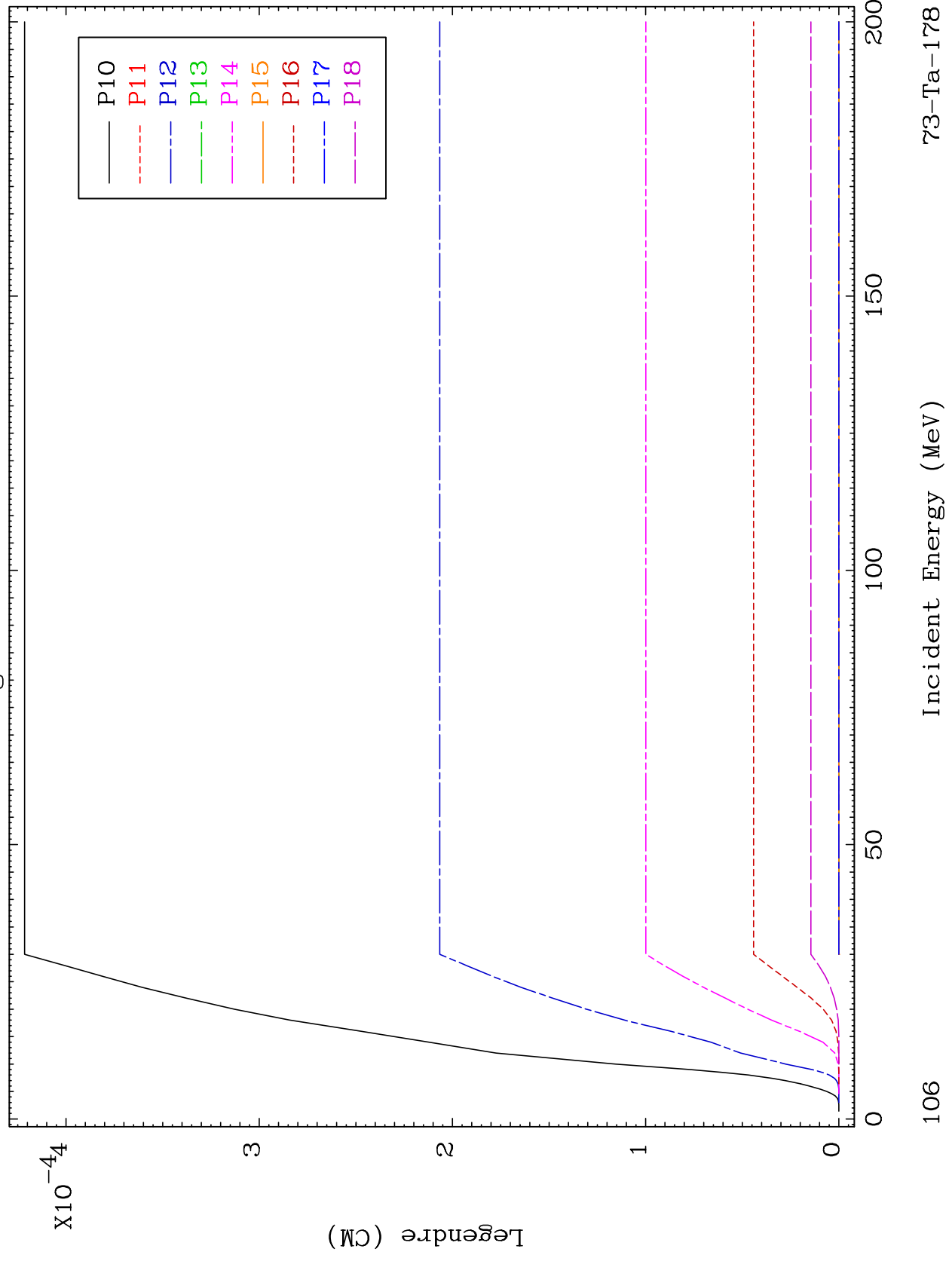




MAT 7319

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

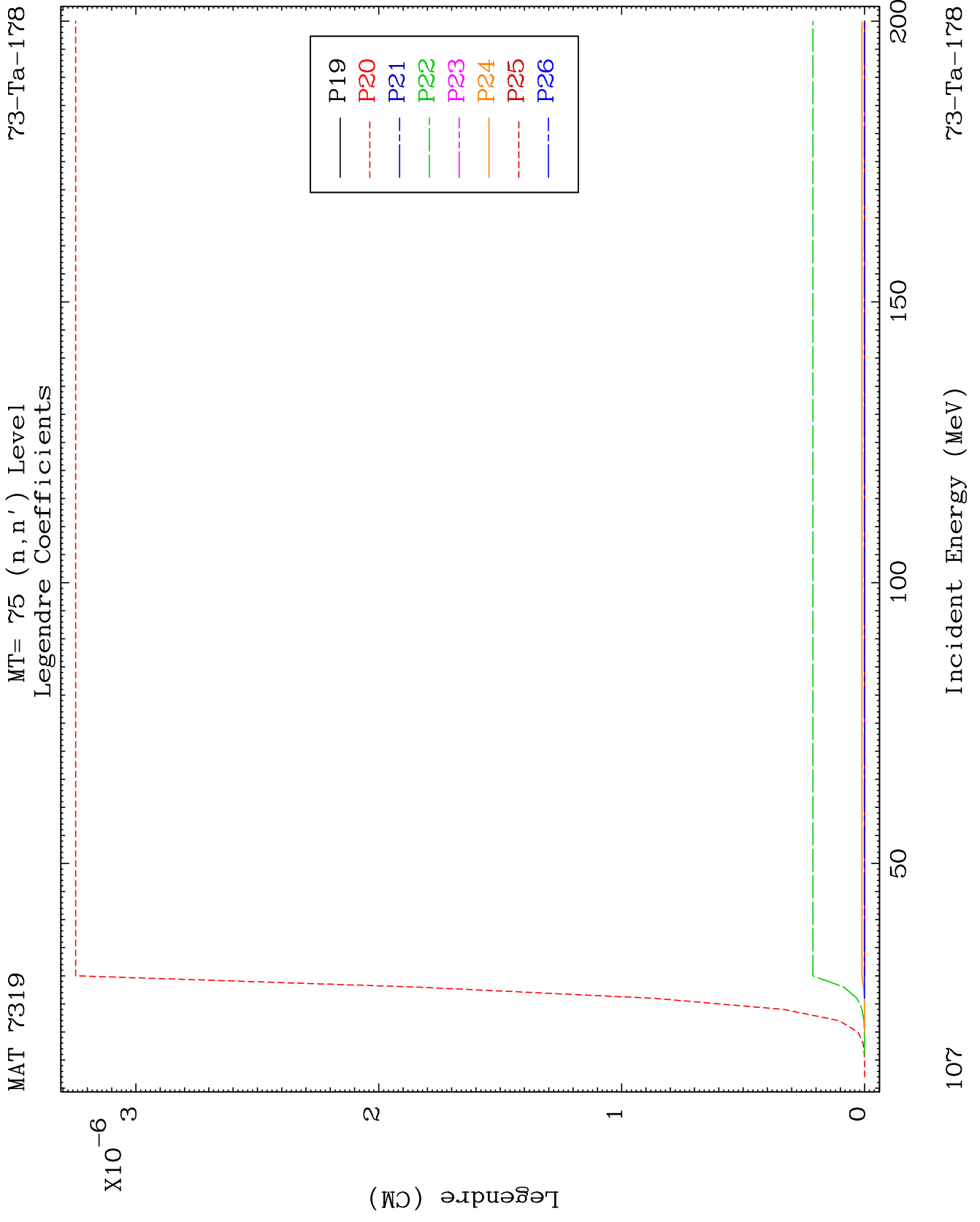
73-Ta-178

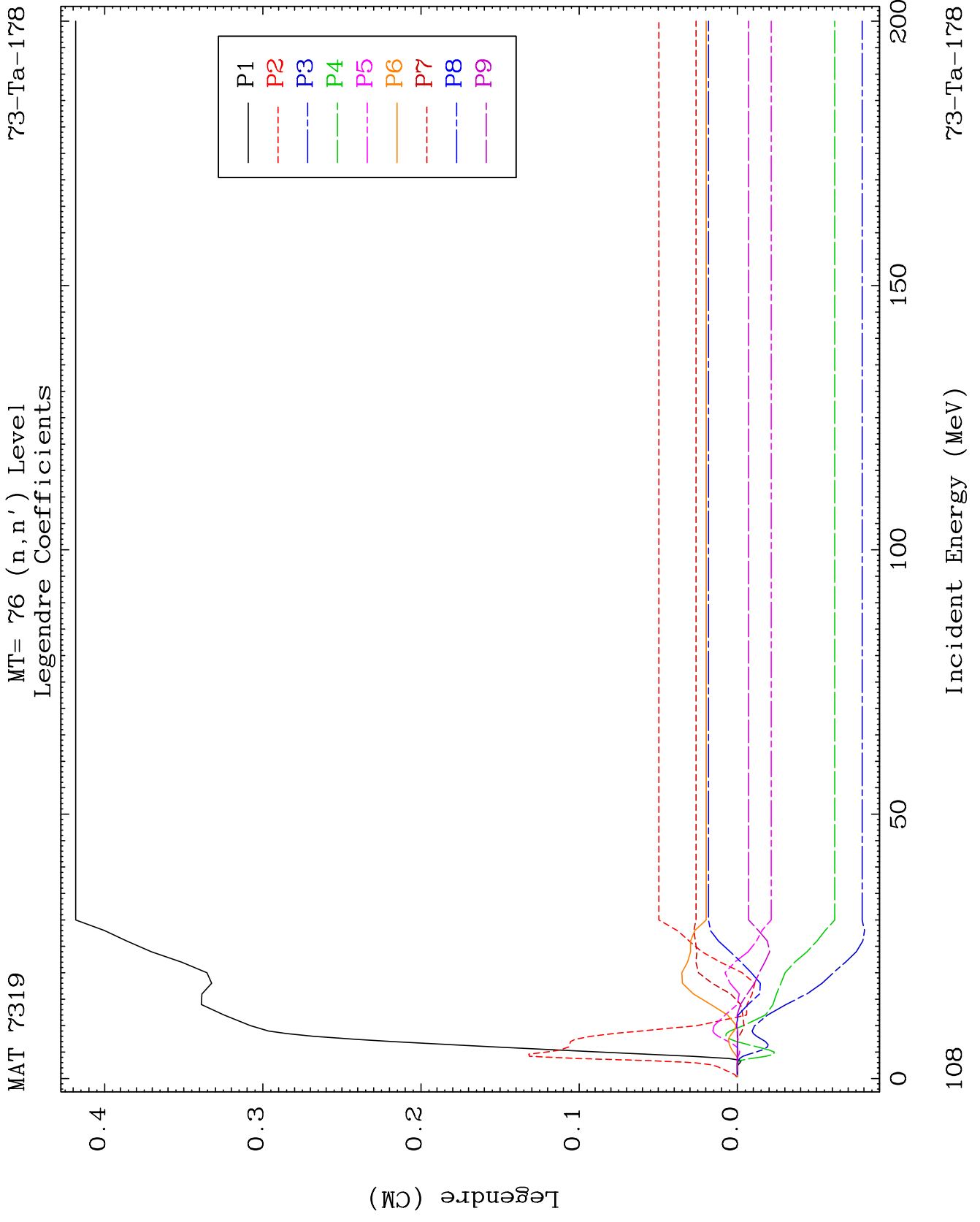


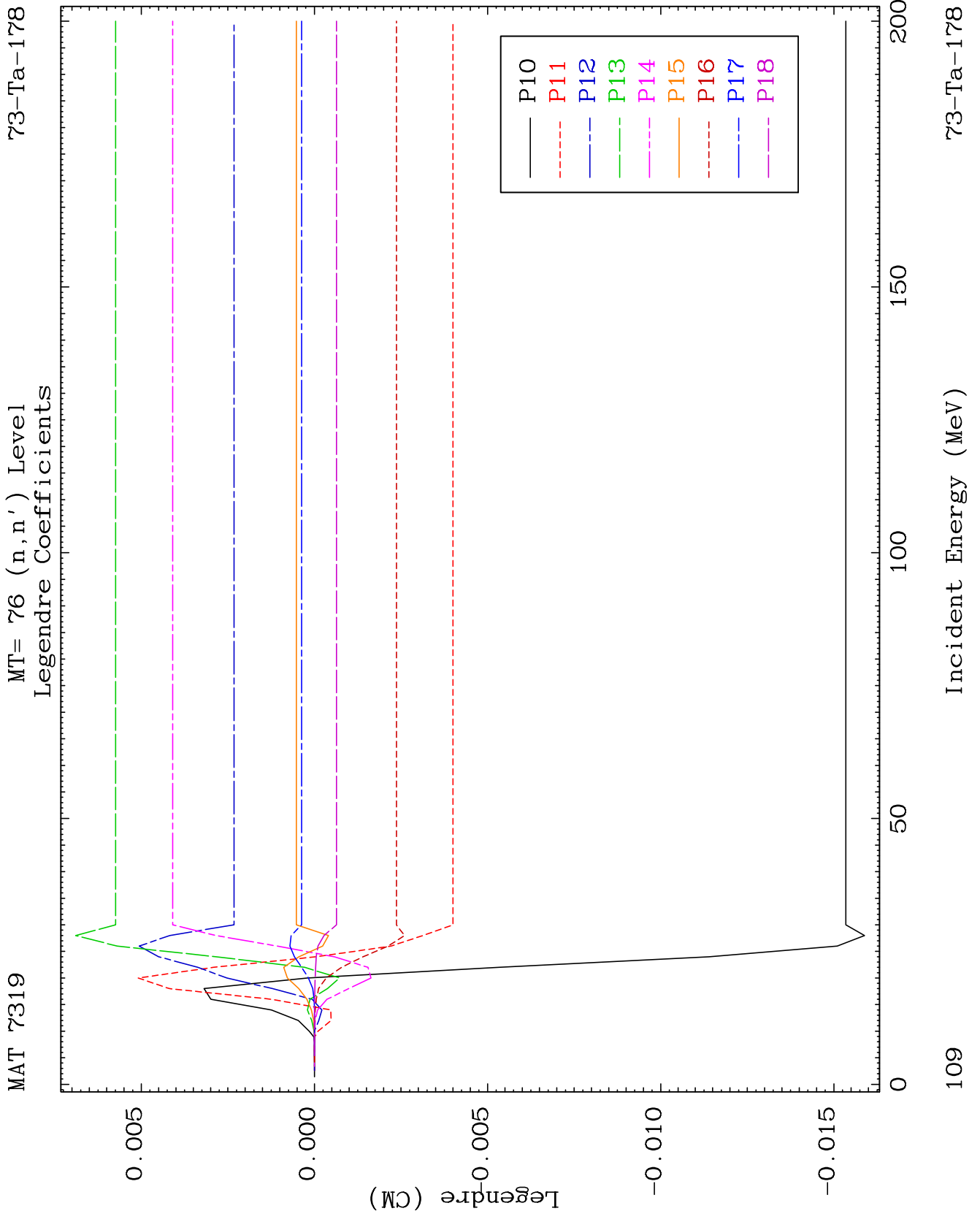
73-Ta-178

Incident Energy (MeV)

106



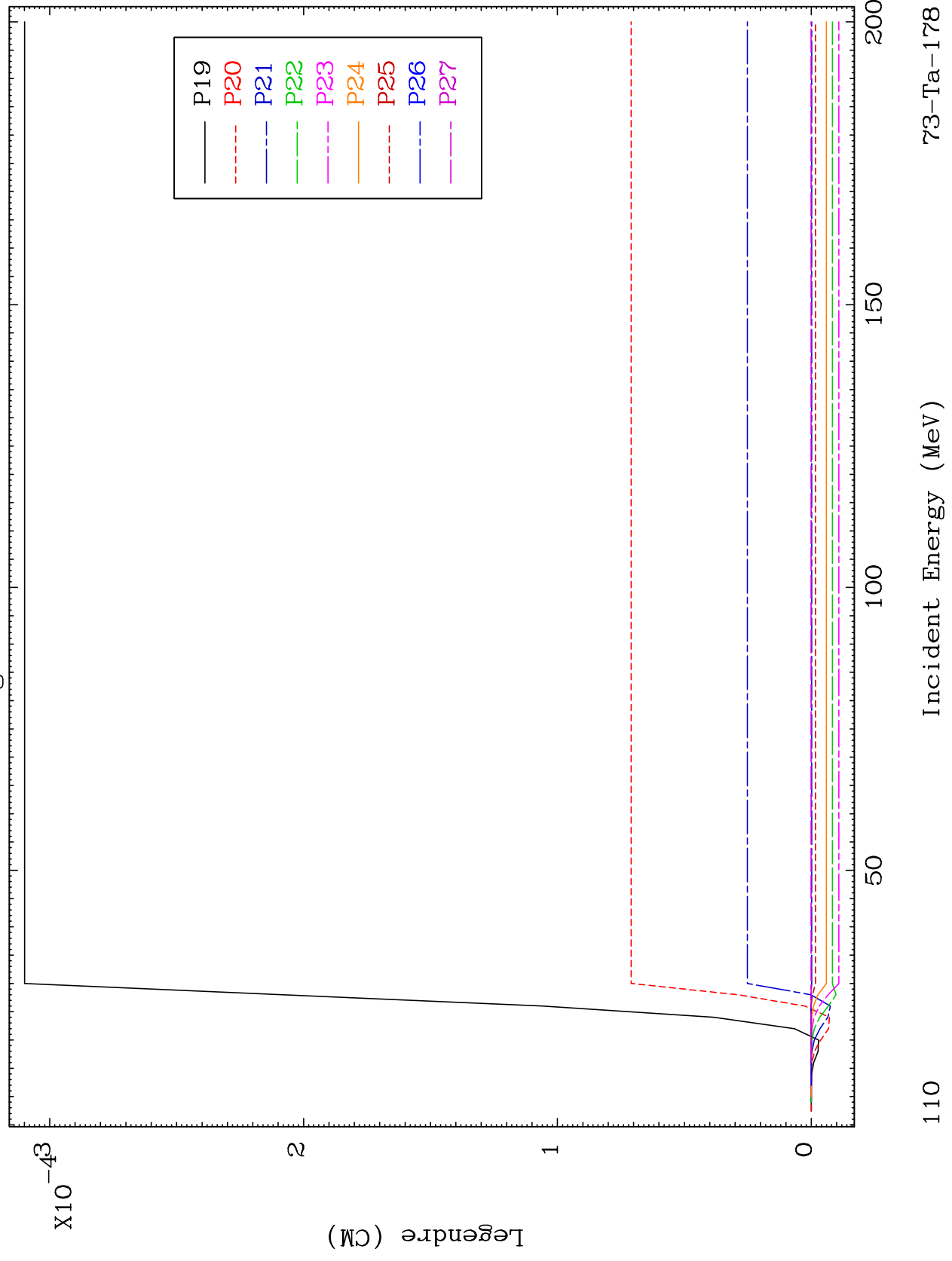




MAT 7319

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

73-Ta-178



110

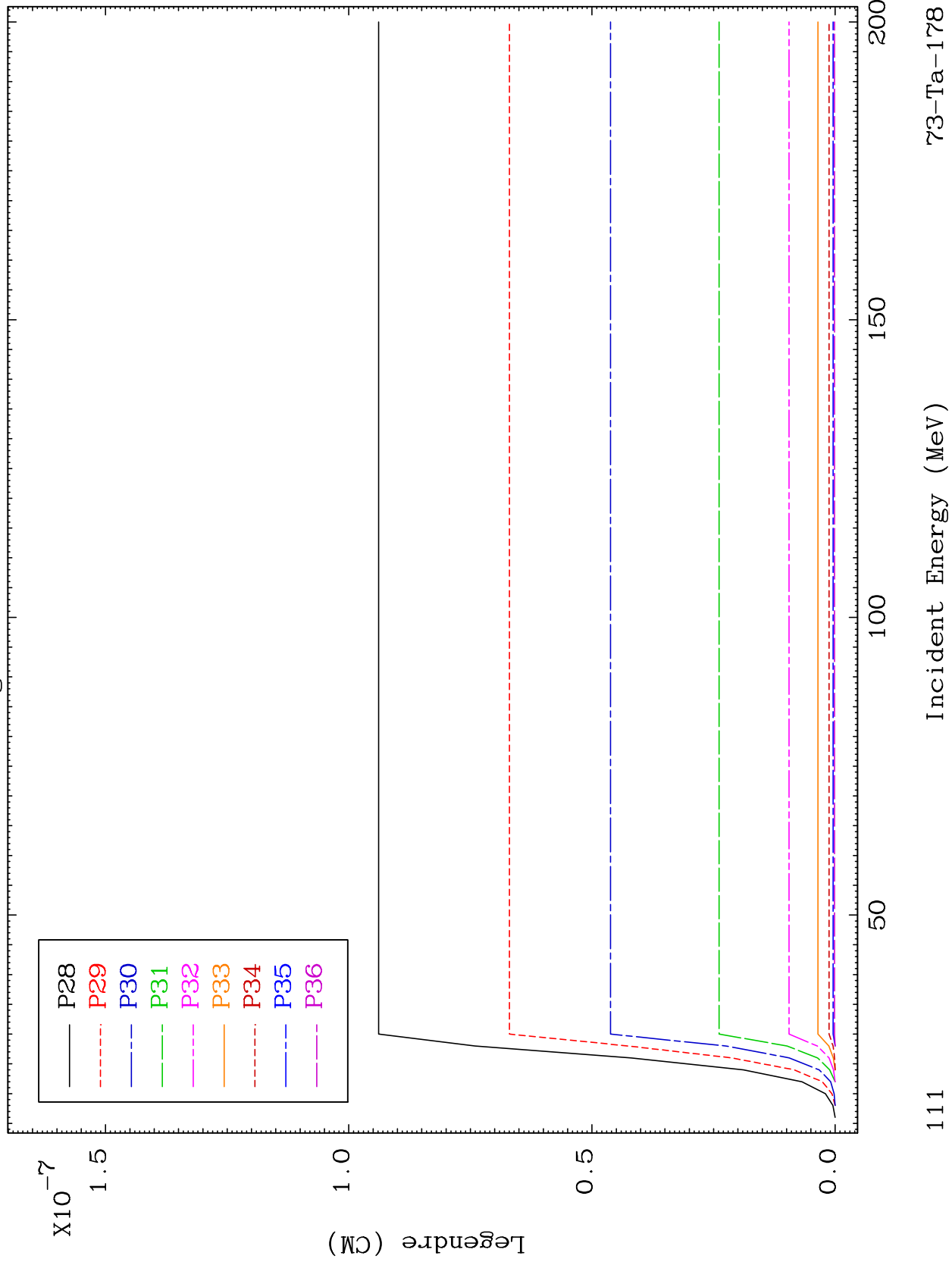
Incident Energy (MeV)

73-Ta-178

MAT 7319

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

73-Ta-178

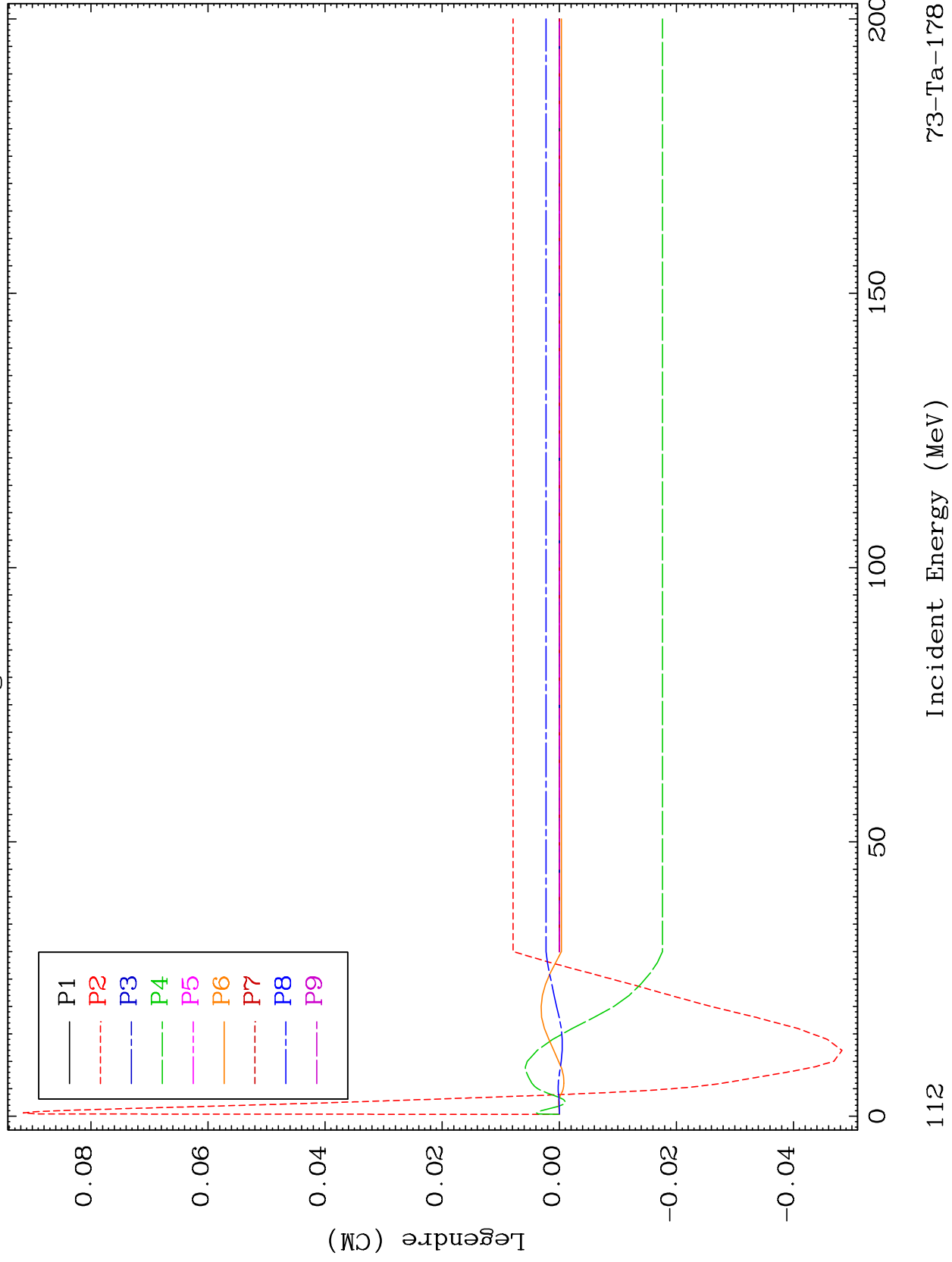


111

MAT 7319

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

⁷³Ta-178



⁷³Ta-178

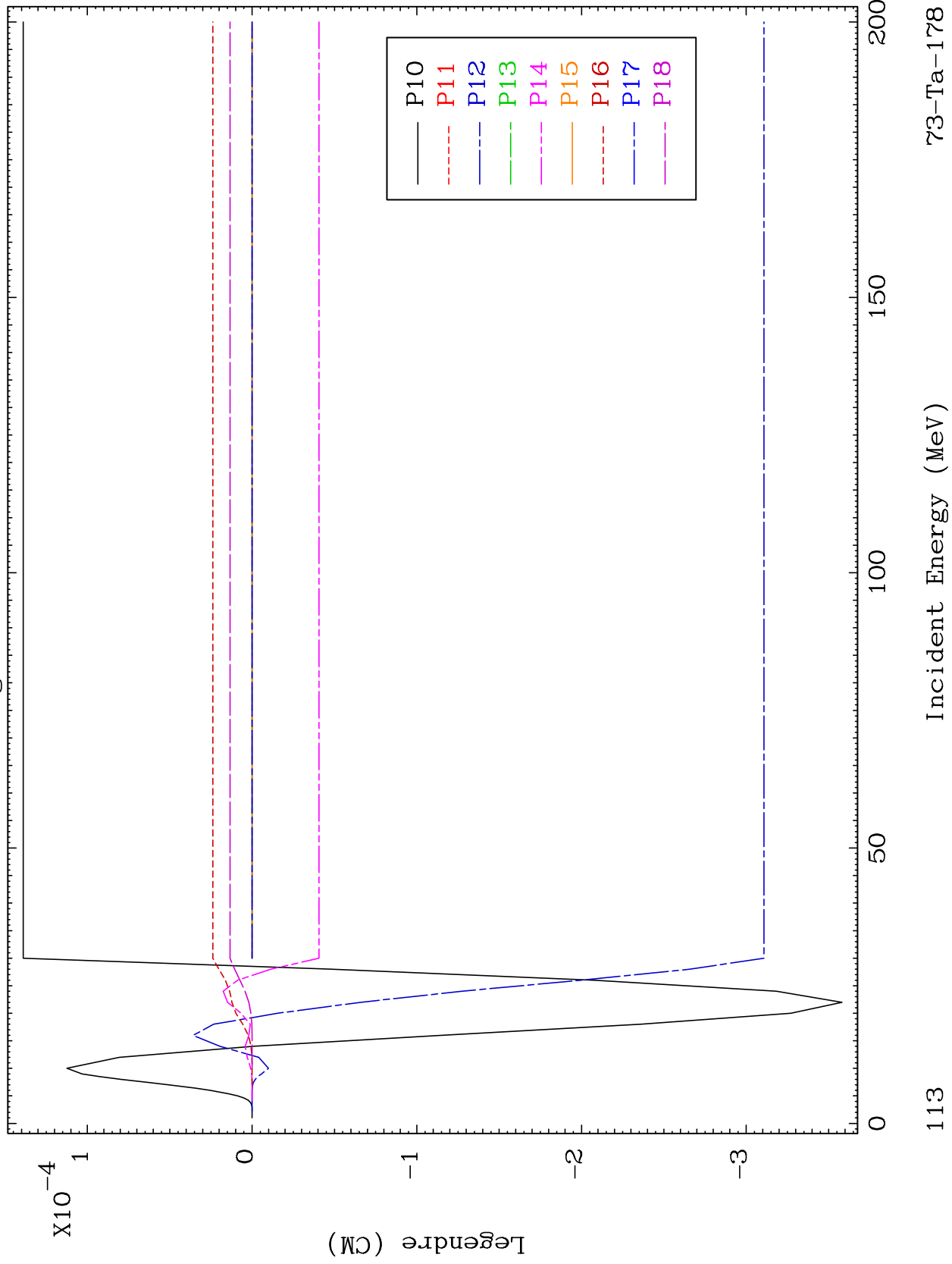
Incident Energy (MeV)

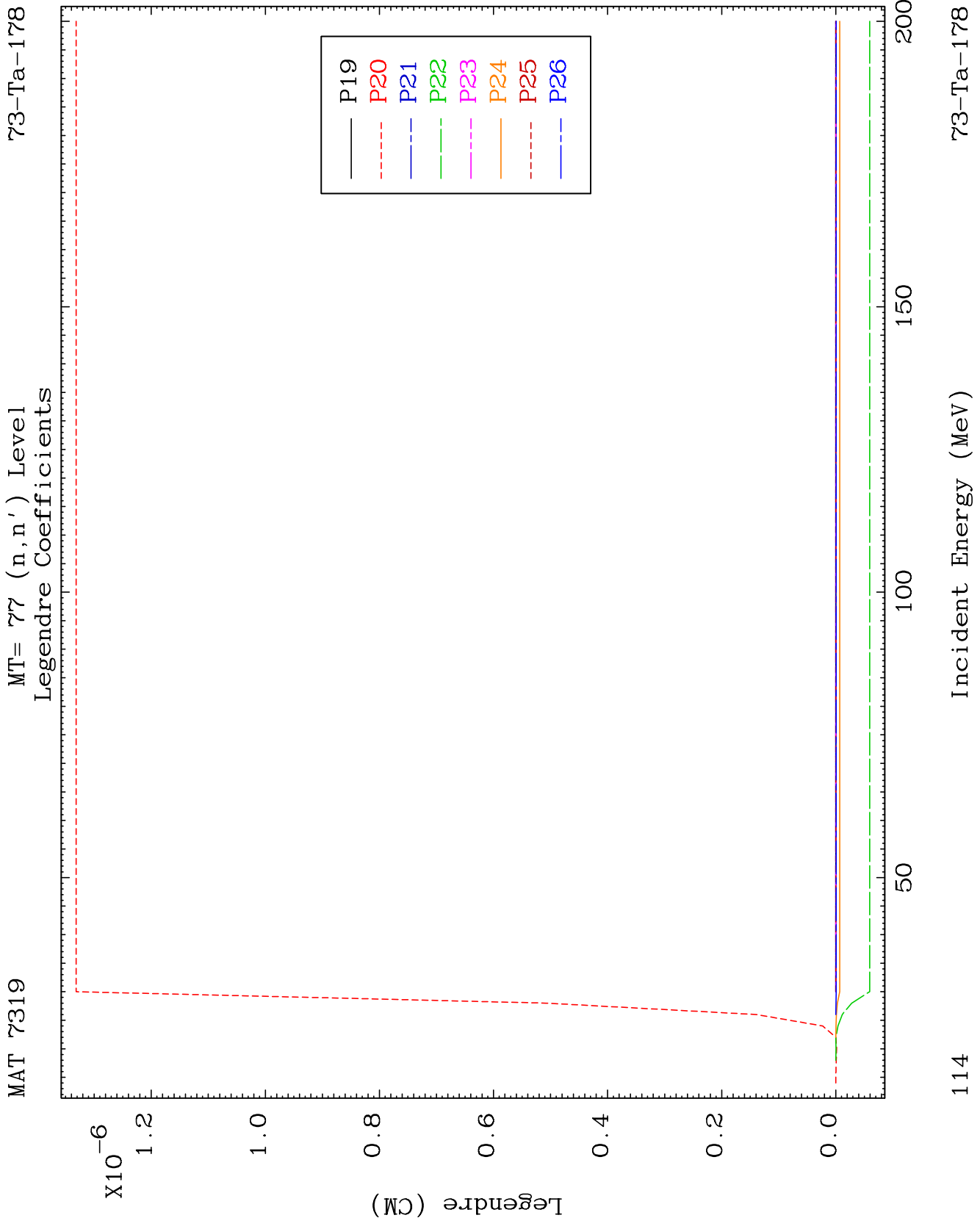
112

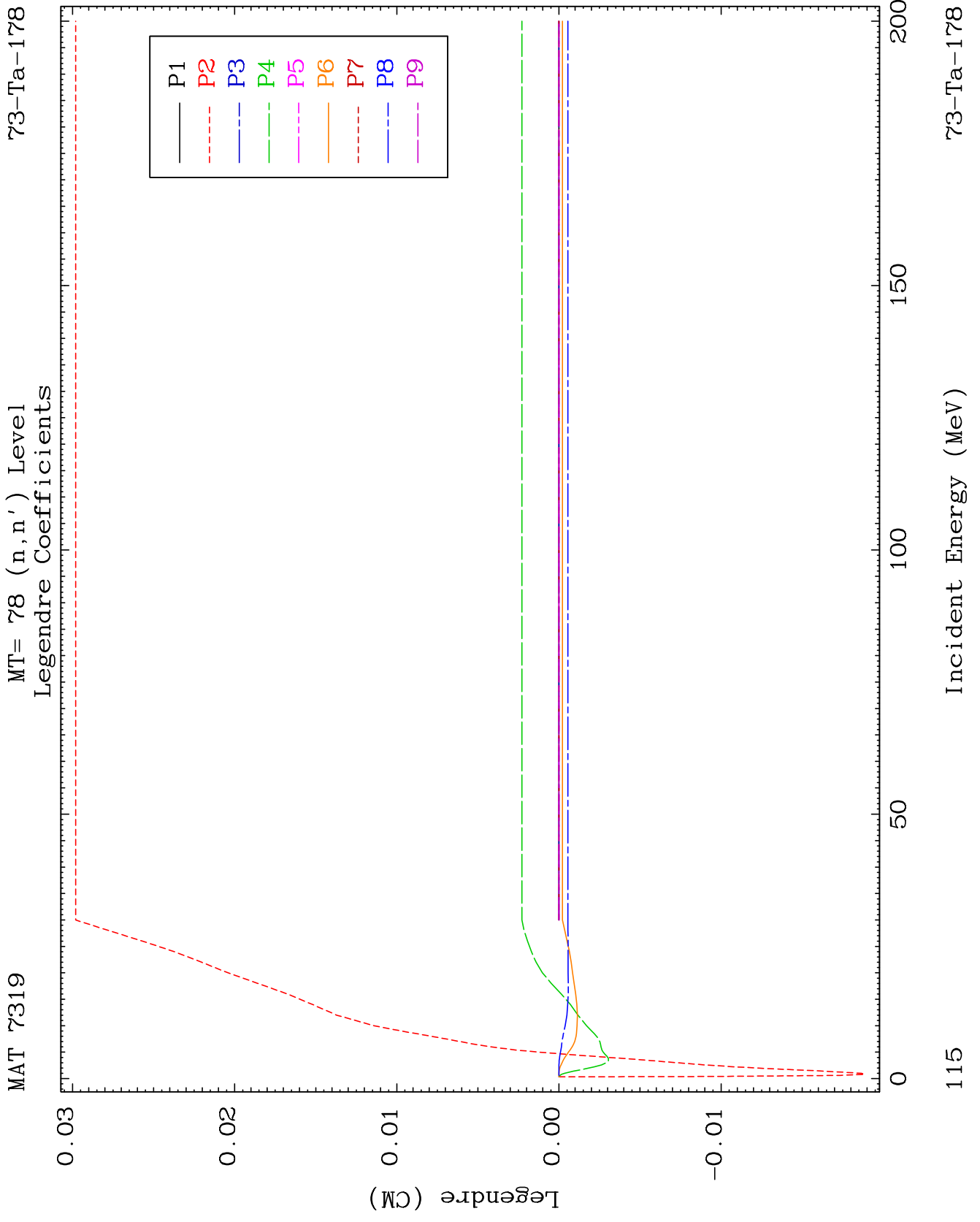
MAT 7319

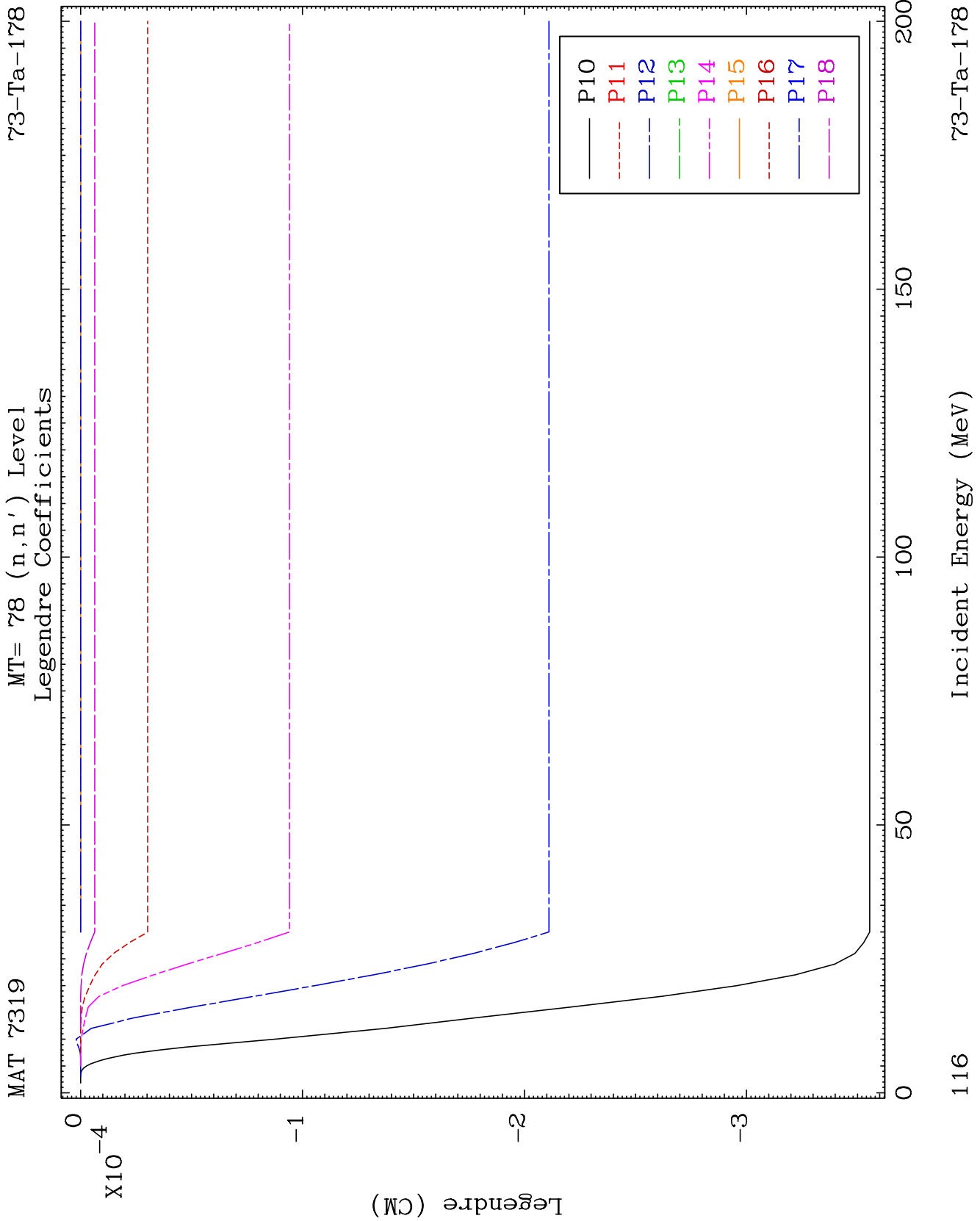
MT= 77 (n,n') Level
Legendre Coefficients

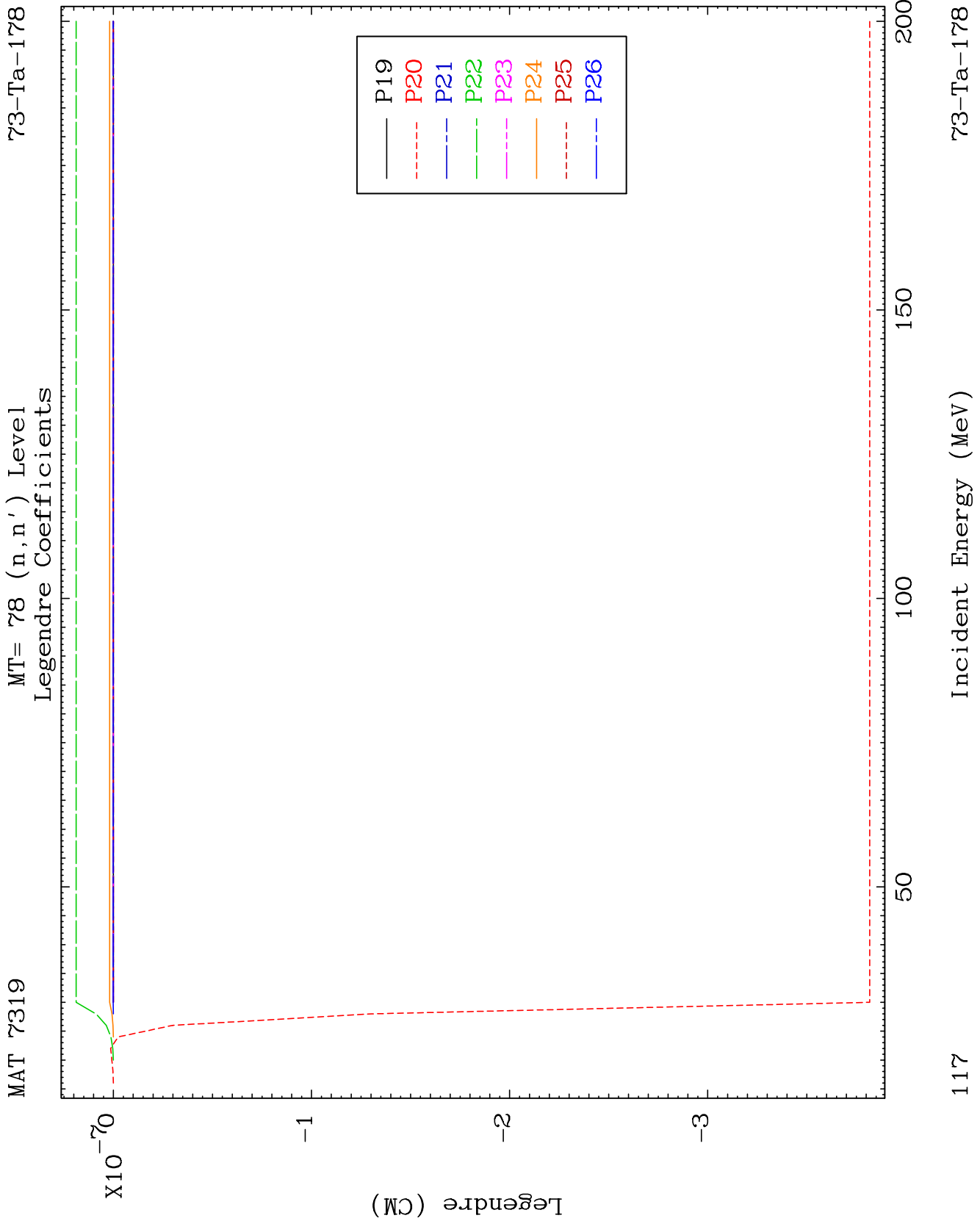
73-Ta-178







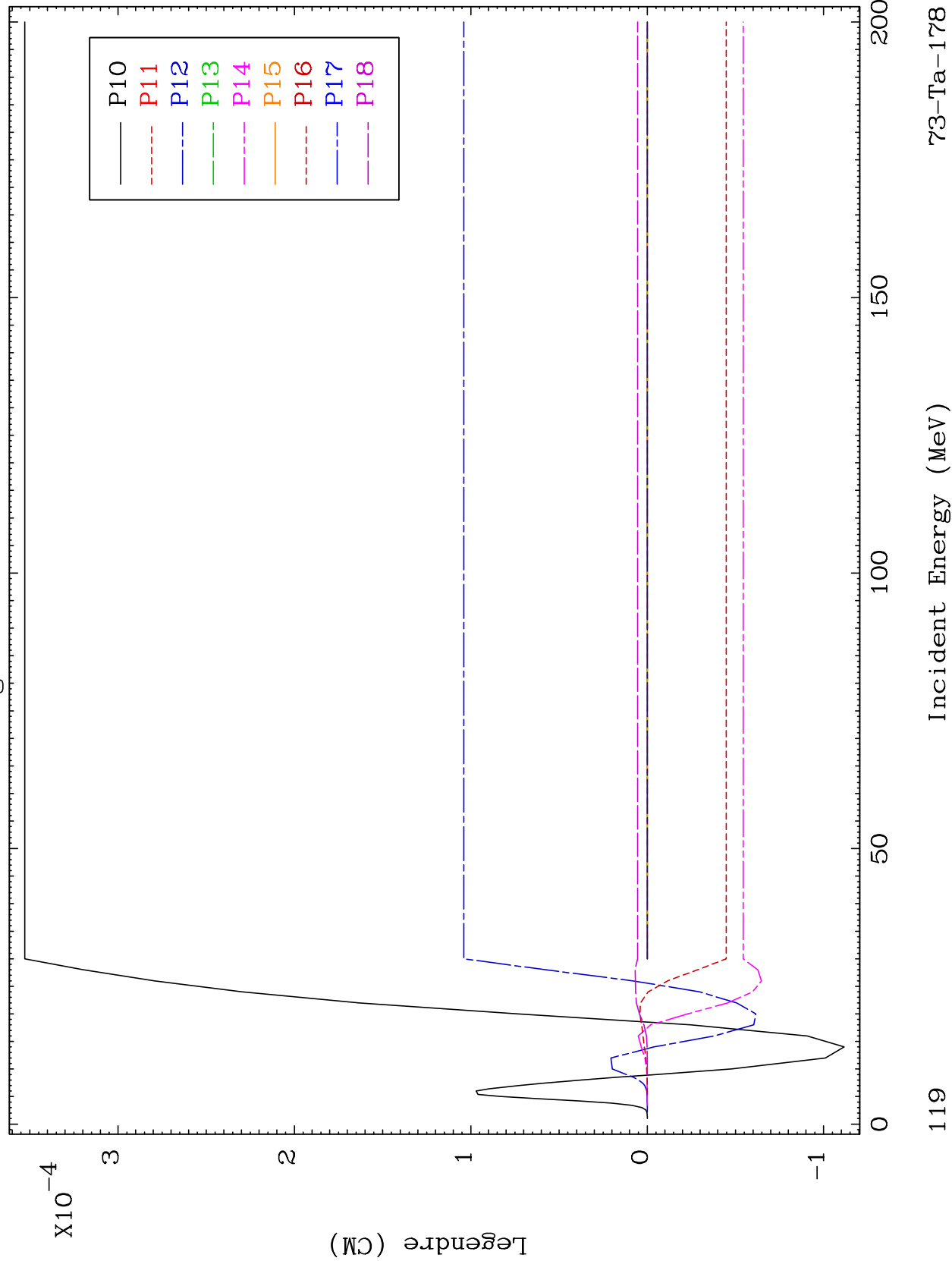




MAT 7319

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

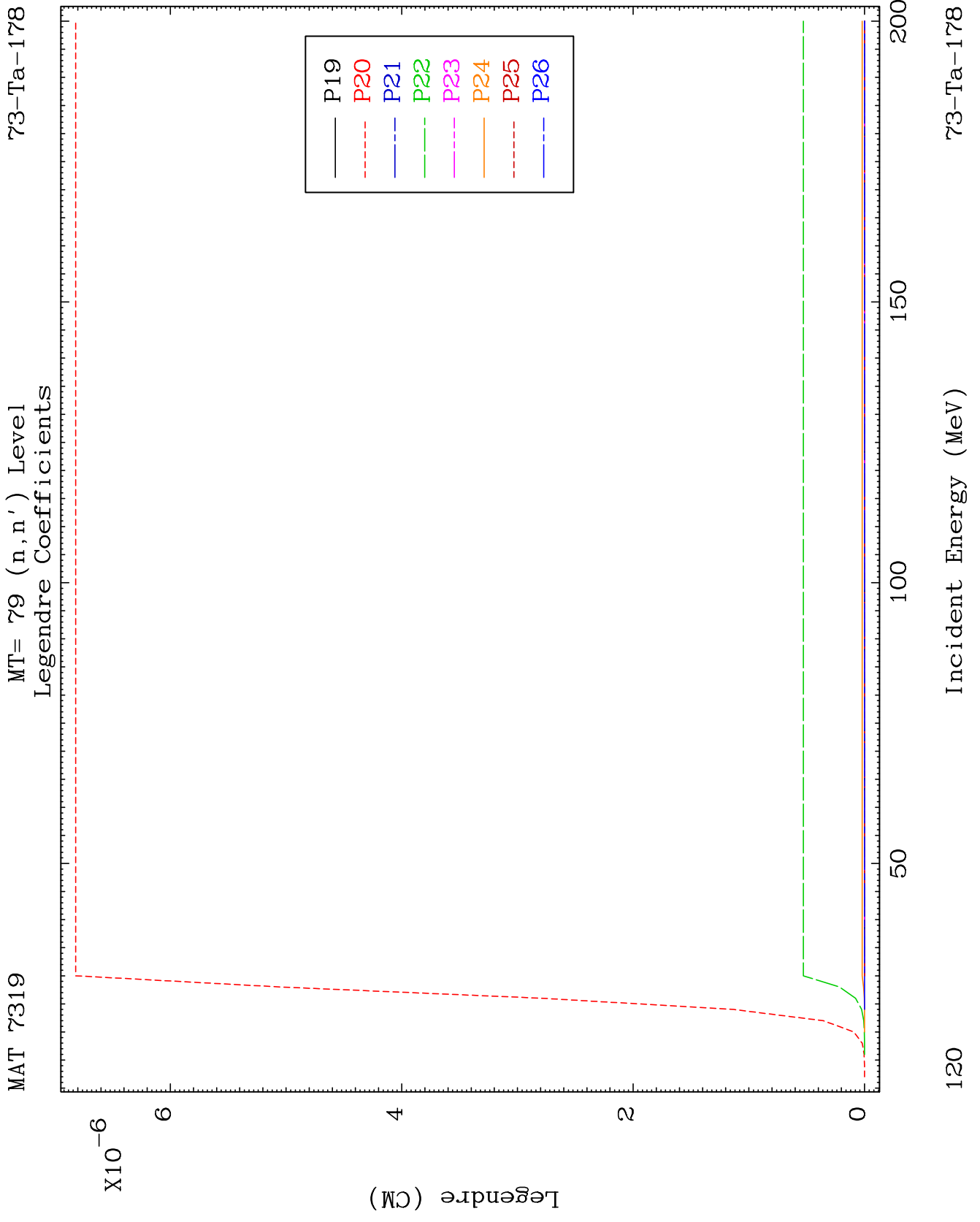
73-Ta-178

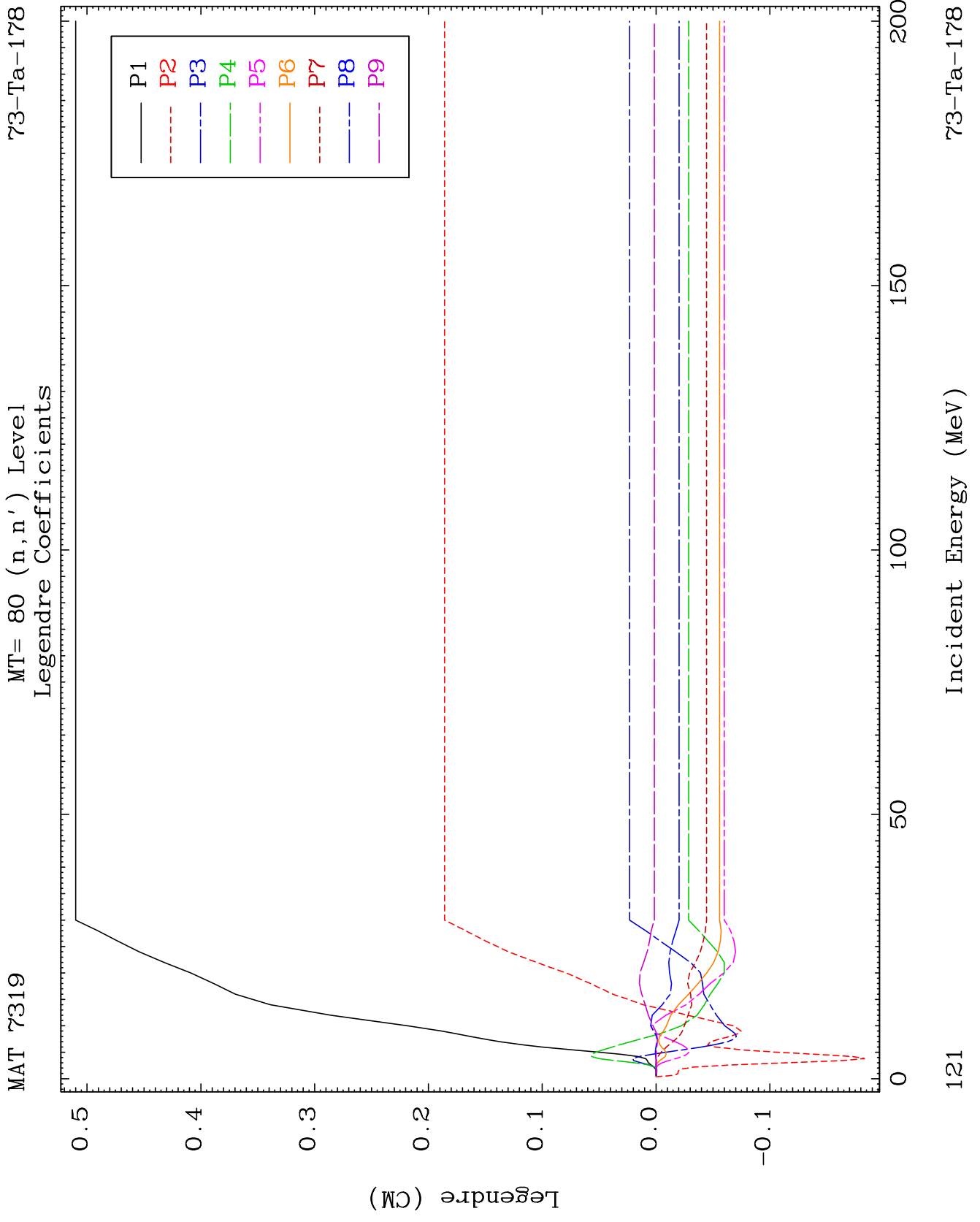


119

Incident Energy (MeV)

73-Ta-178

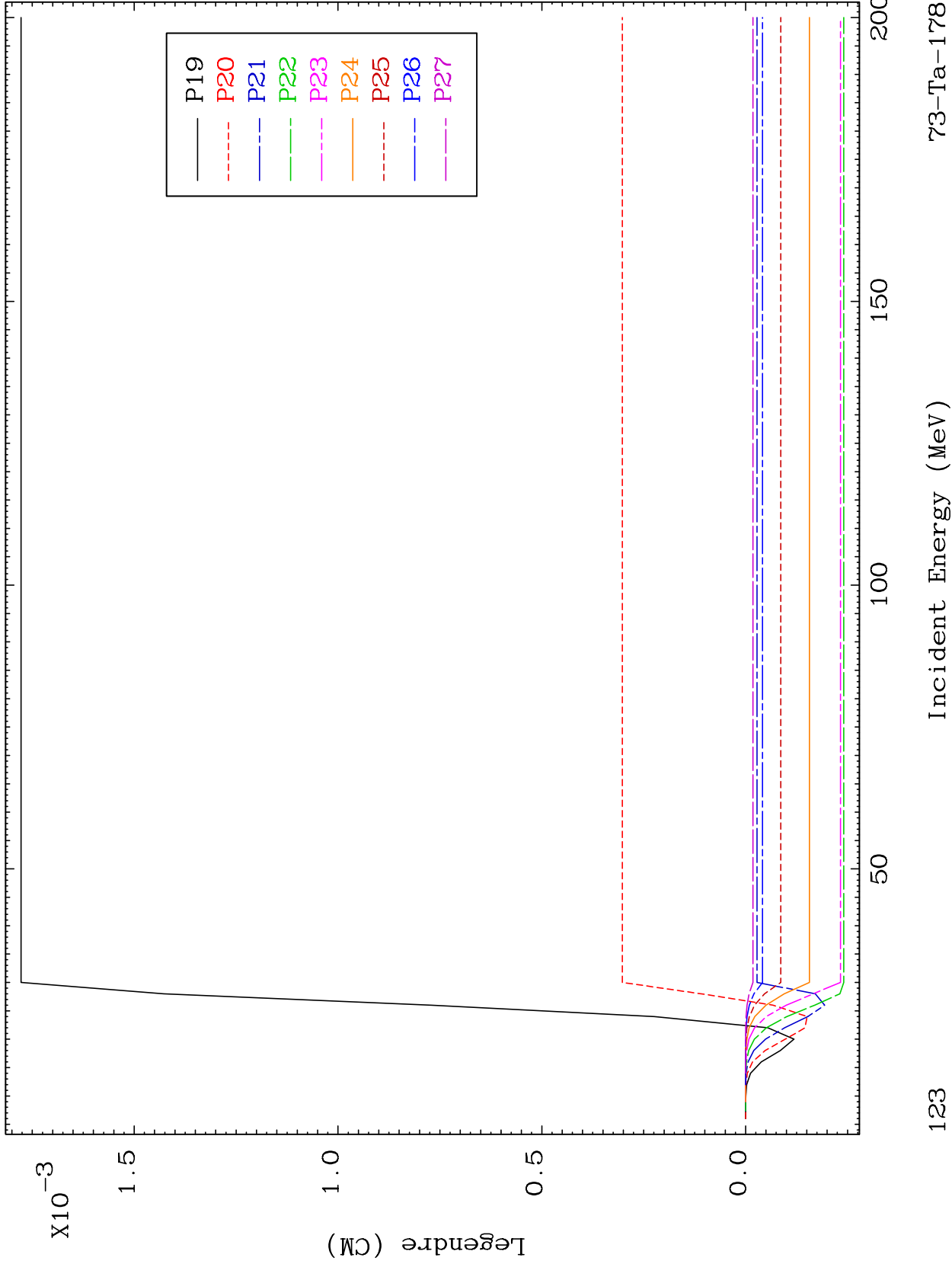




MAT 7319

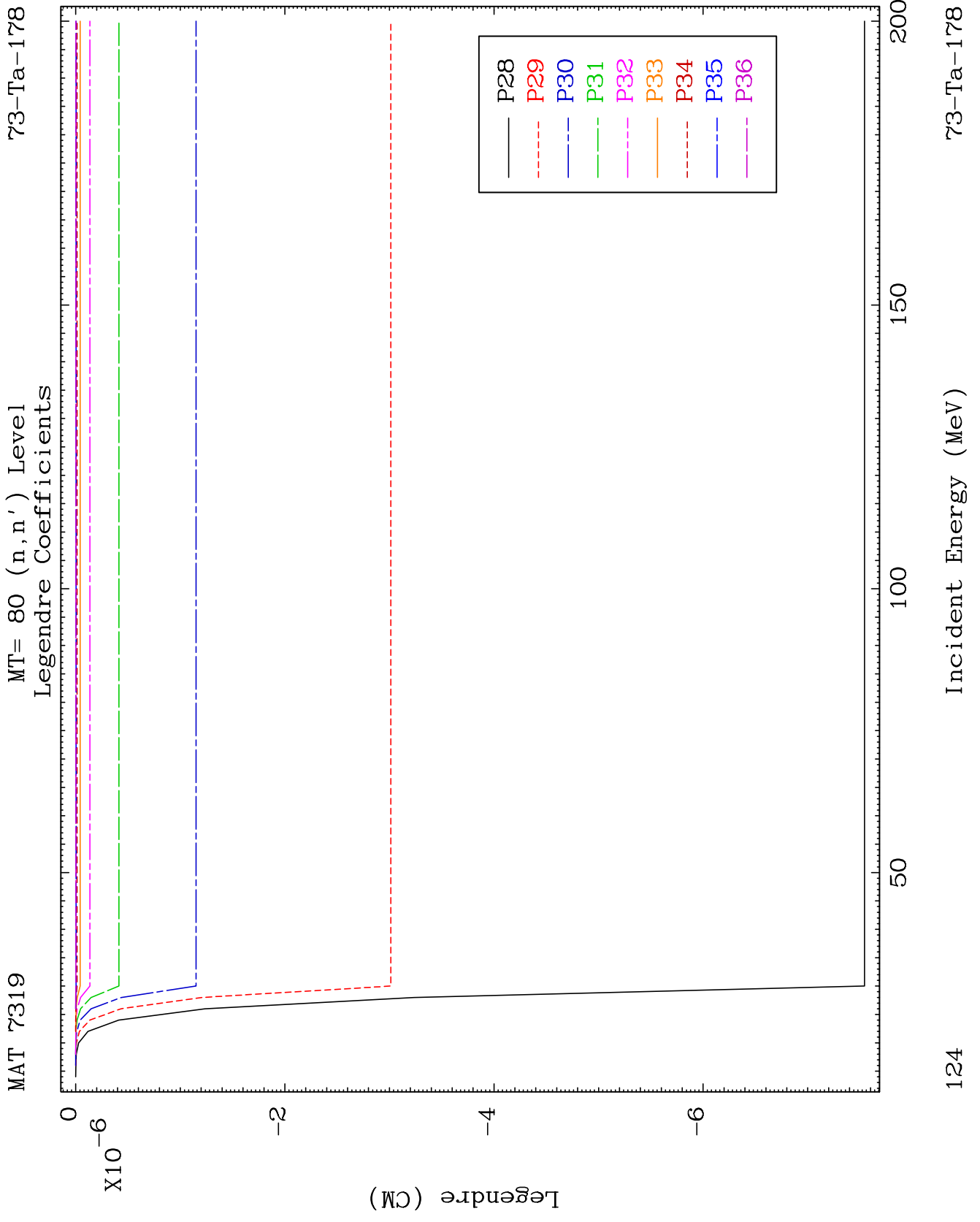
MT= 80 (n,n') Level
Legendre Coefficients

73-Ta-178



123

73-Ta-178



MAT 7319

$(n, n') \alpha$

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

Radionuclide Production Cross Section



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

125

Incident Energy (MeV)

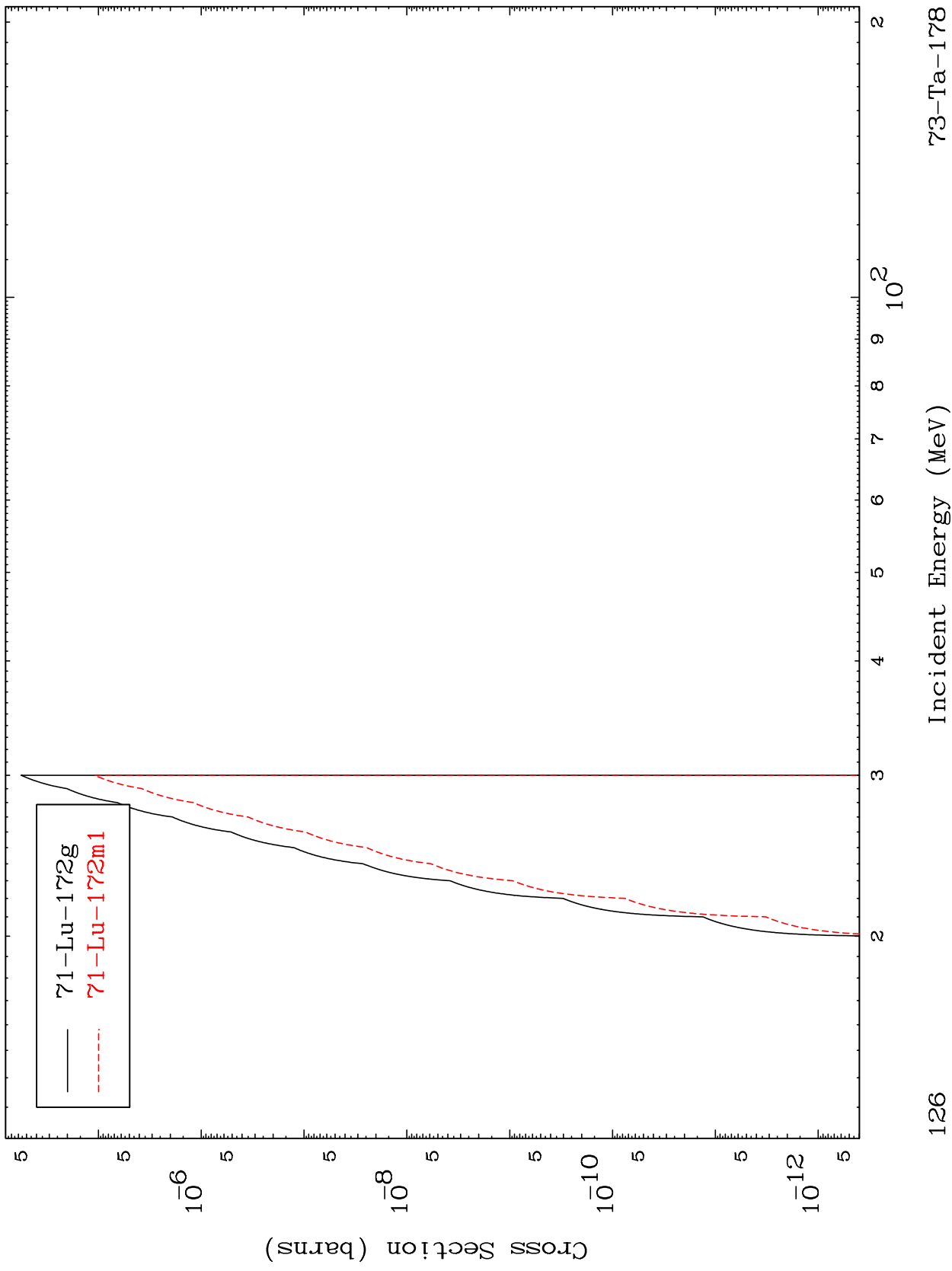
$^{73}\text{Ta-178}$

MAT 7319

(n,3n) α

⁷³Ta-178

Radionuclide Production Cross Section



126

Incident Energy (MeV)

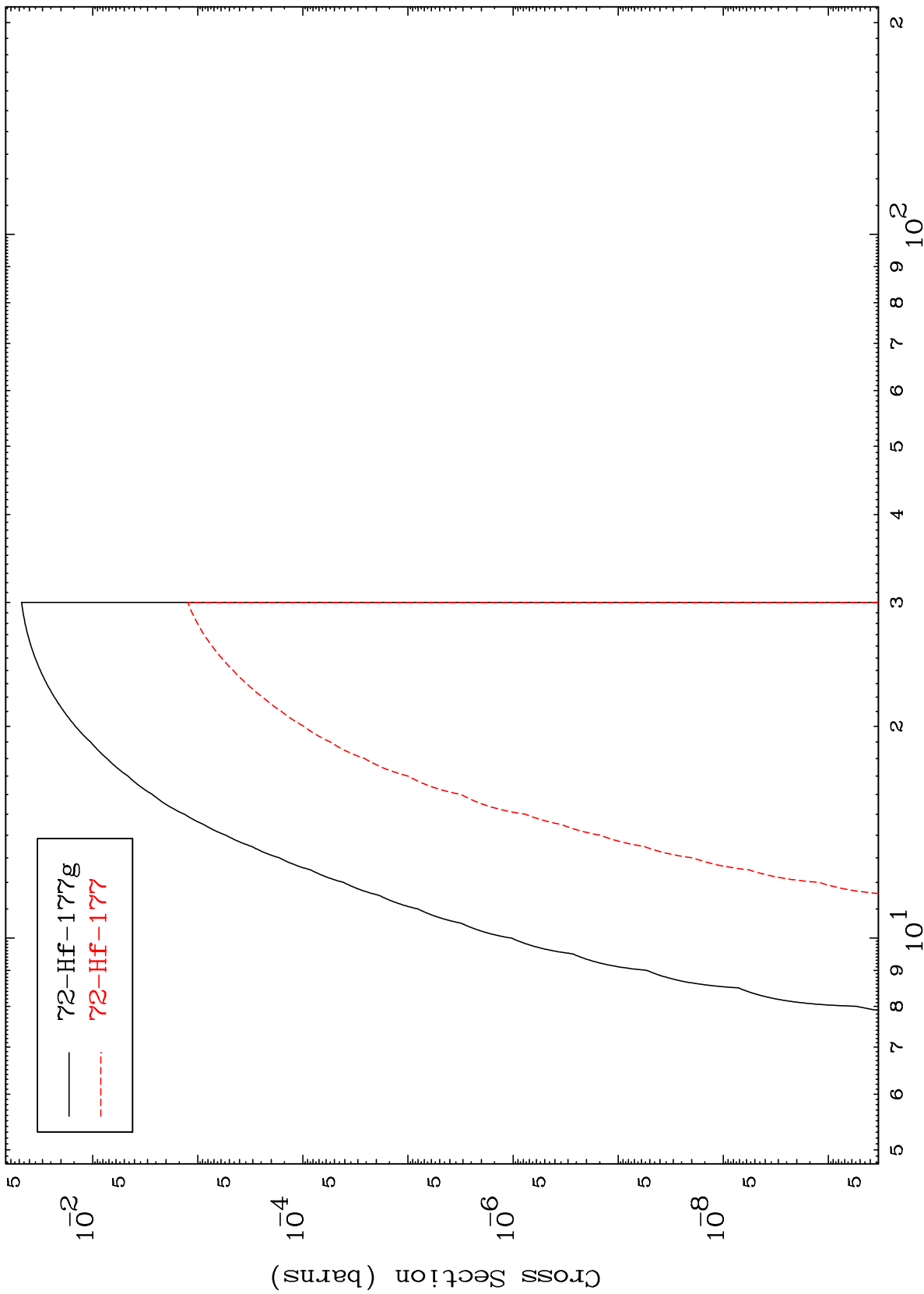
⁷³Ta-178

MAT 7319

(n,n') p

73-Ta-178

Radionuclide Production Cross Section

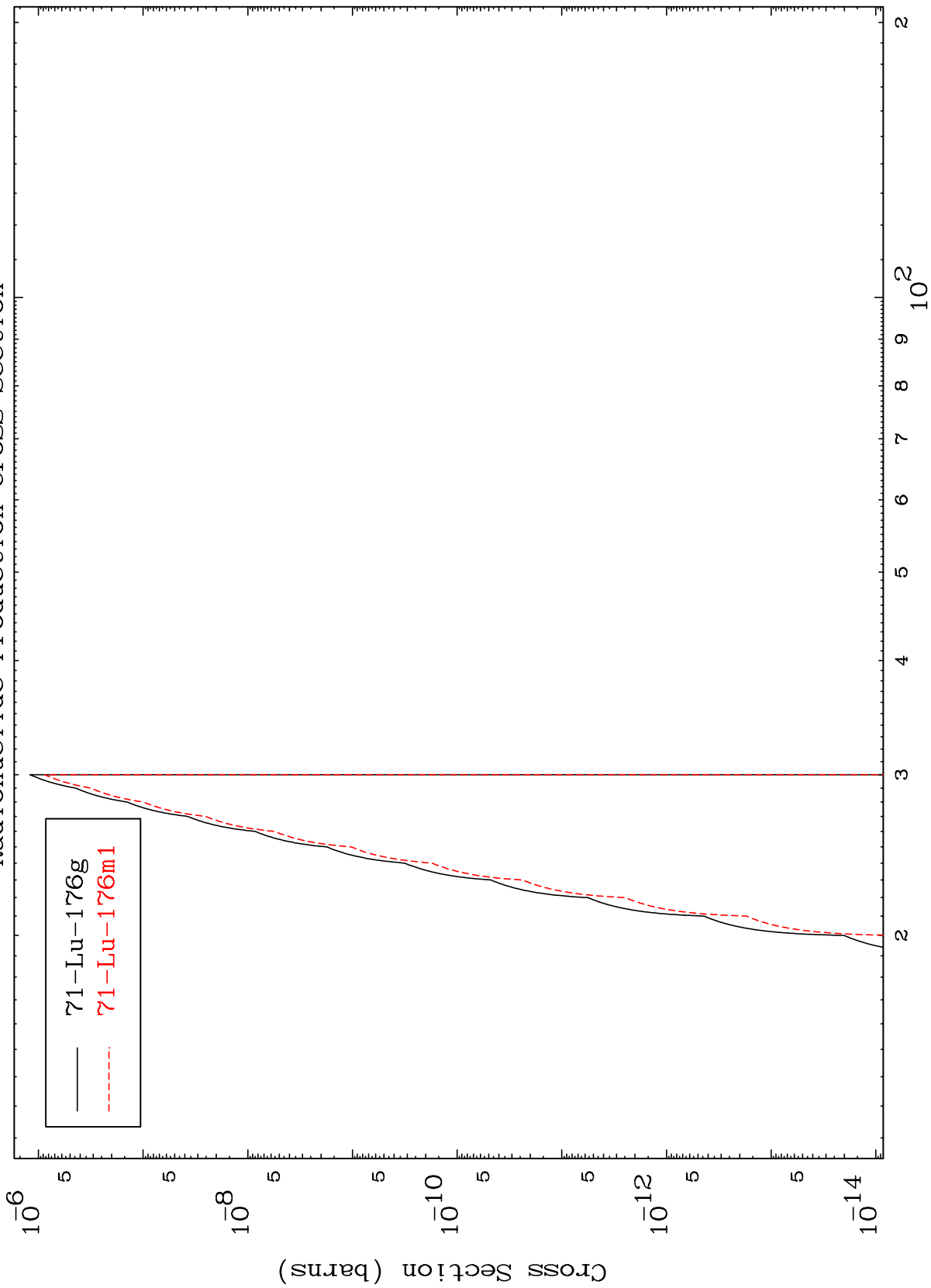


MAT 7319

(n,2n) p

⁷³Ta-178

Radionuclide Production Cross Section



128

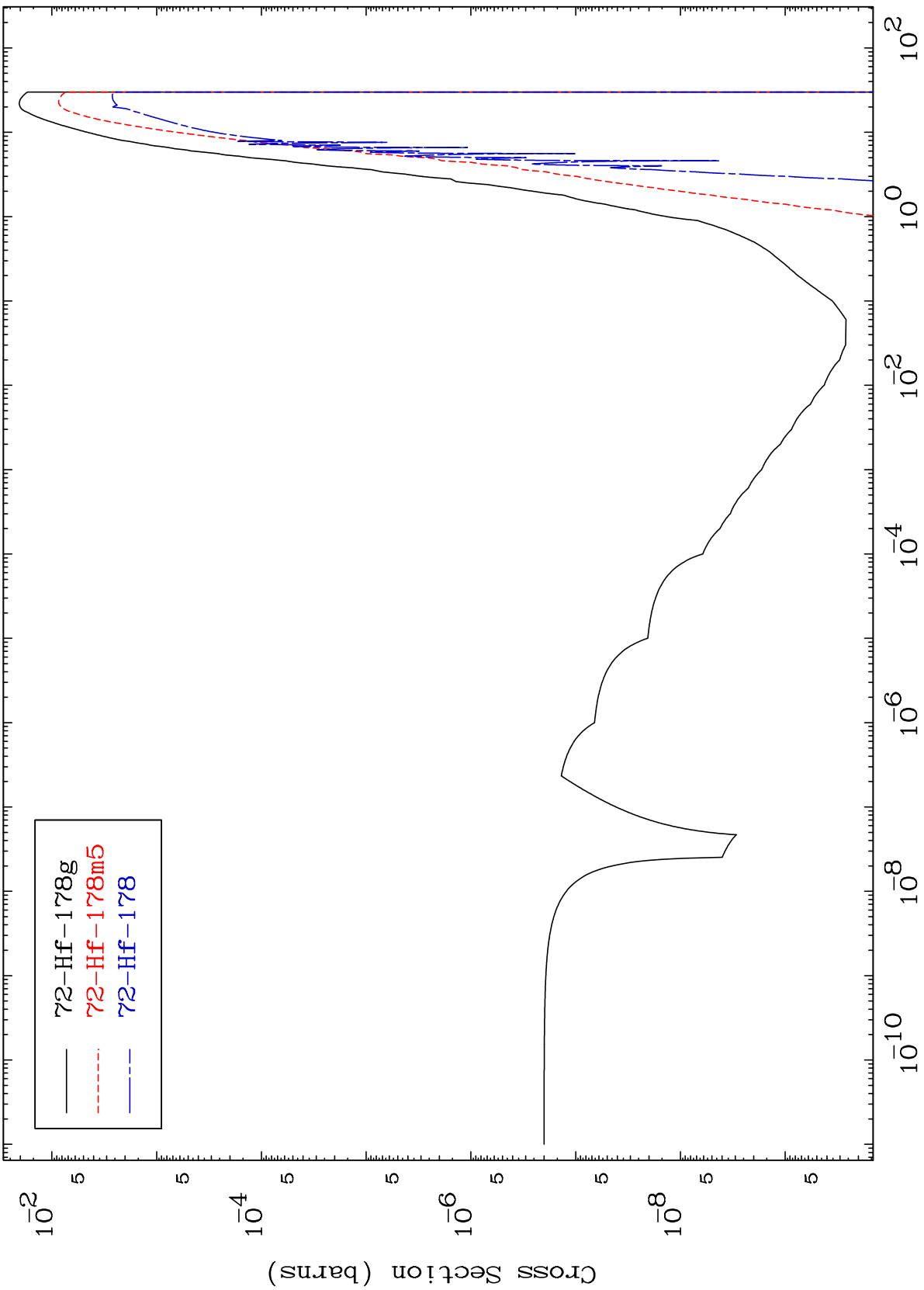
Incident Energy (MeV)

⁷³Ta-178

MAT 7319

73-Ta-178

(n,p)
Radionuclide Production Cross Section



129

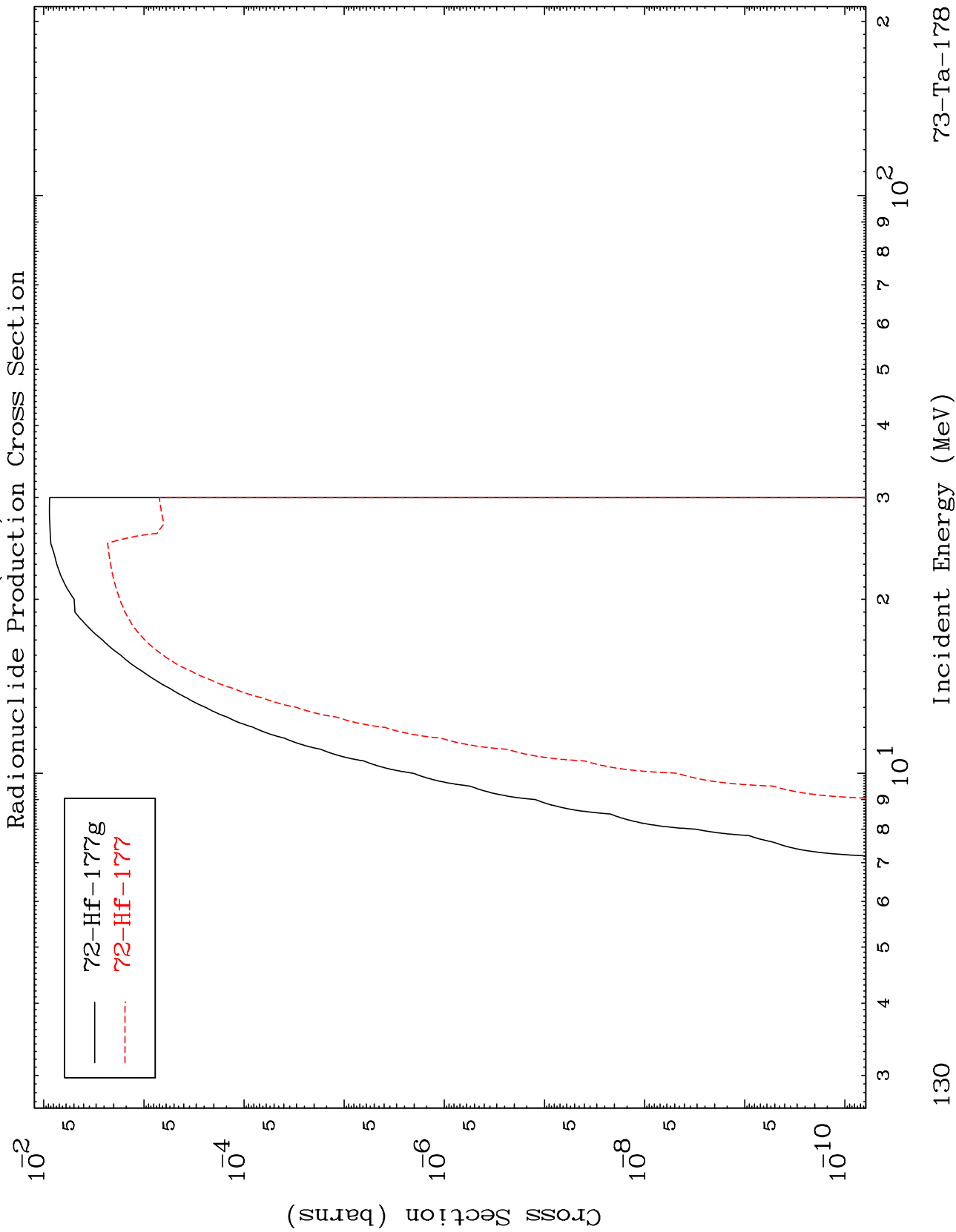
73-Ta-178

Incident Energy (MeV)

MAT 7319

(n,d)

⁷³Ta-178

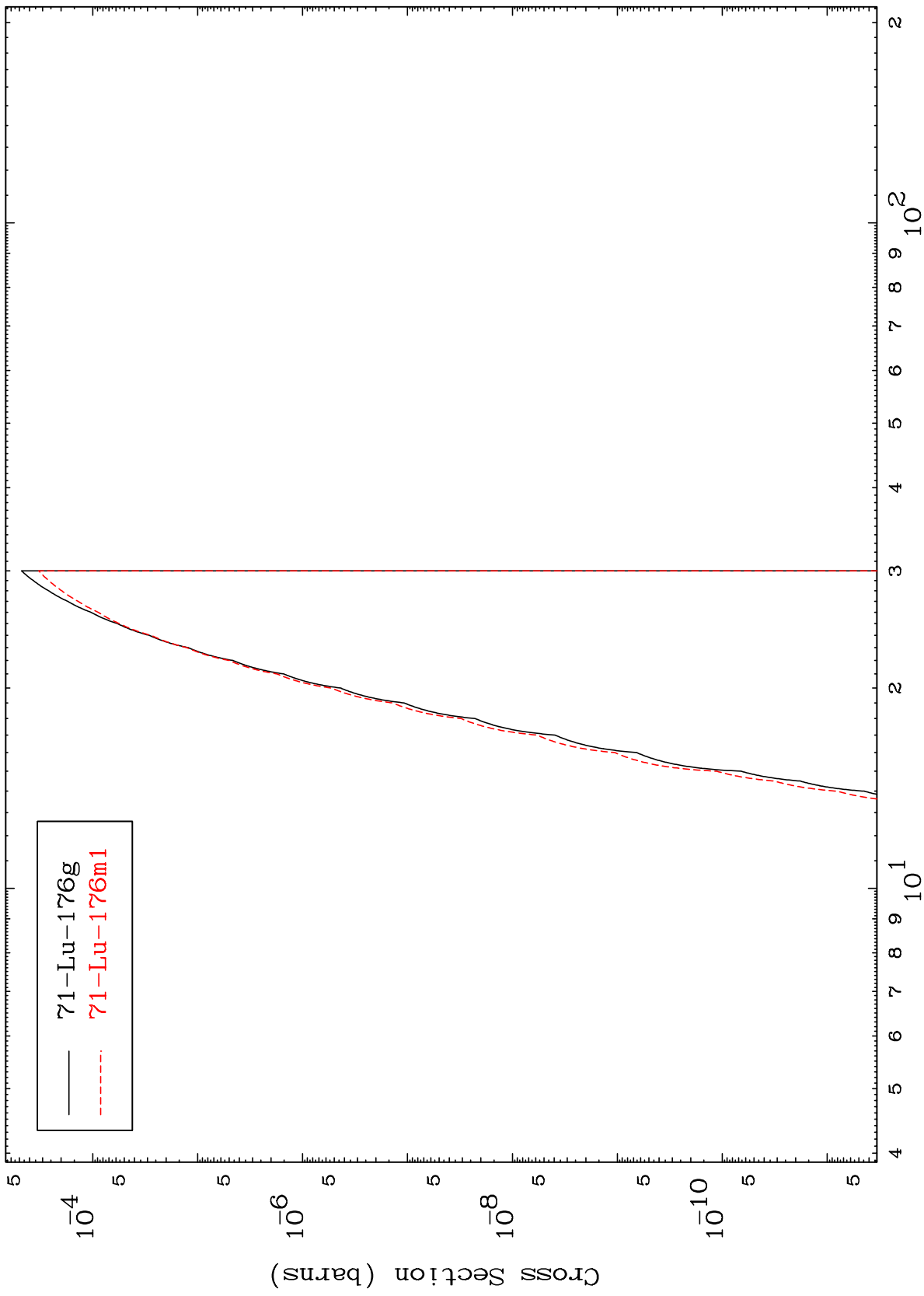


130

MAT 7319

73-Ta-178

Radionuclide Production Cross Section
(n,He-3)



73-Ta-178

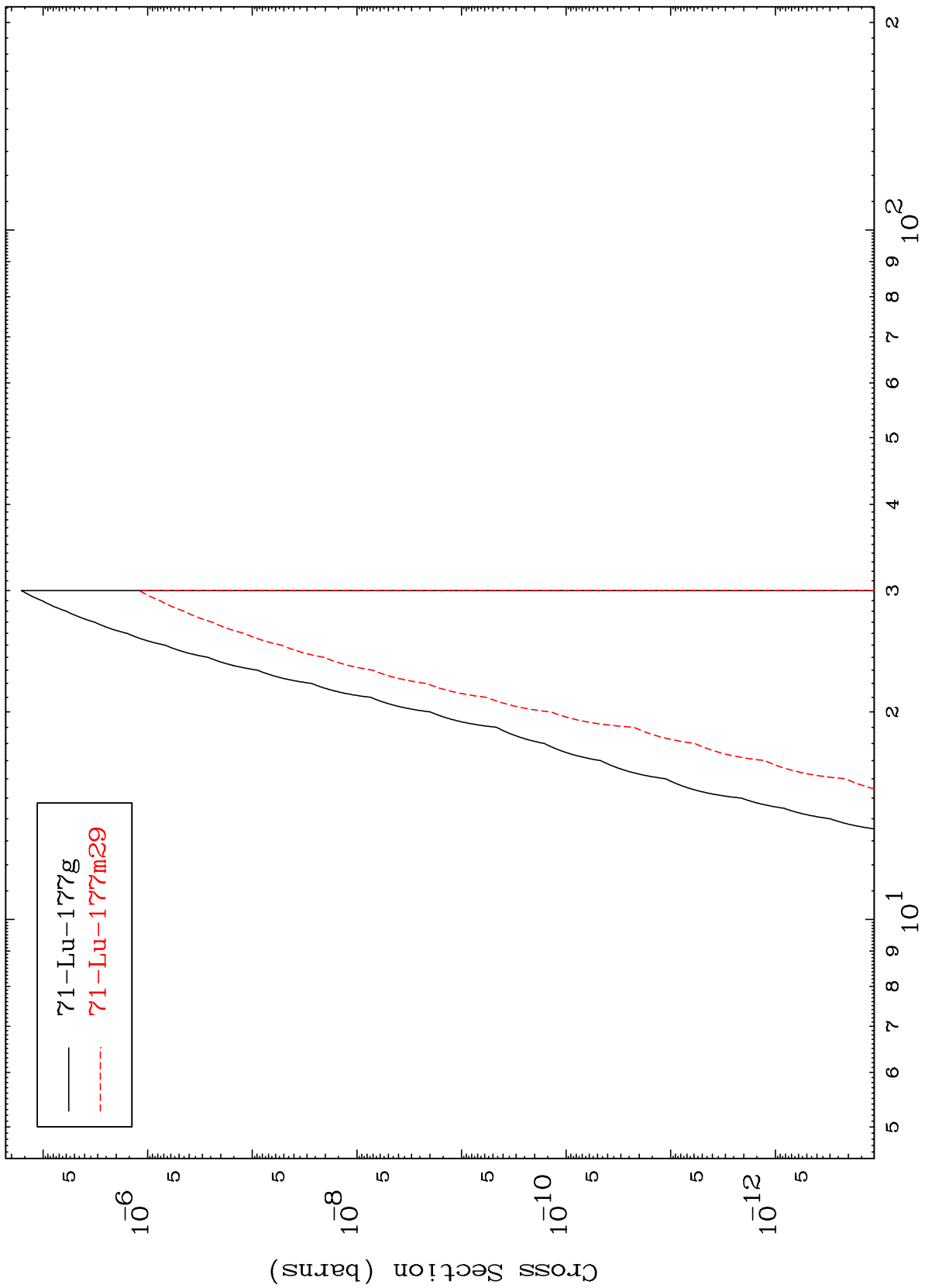
Incident Energy (MeV)

131

MAT 7319

73-Ta-178

(n,2p)
Radionuclide Production Cross Section



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

132

Incident Energy (MeV)

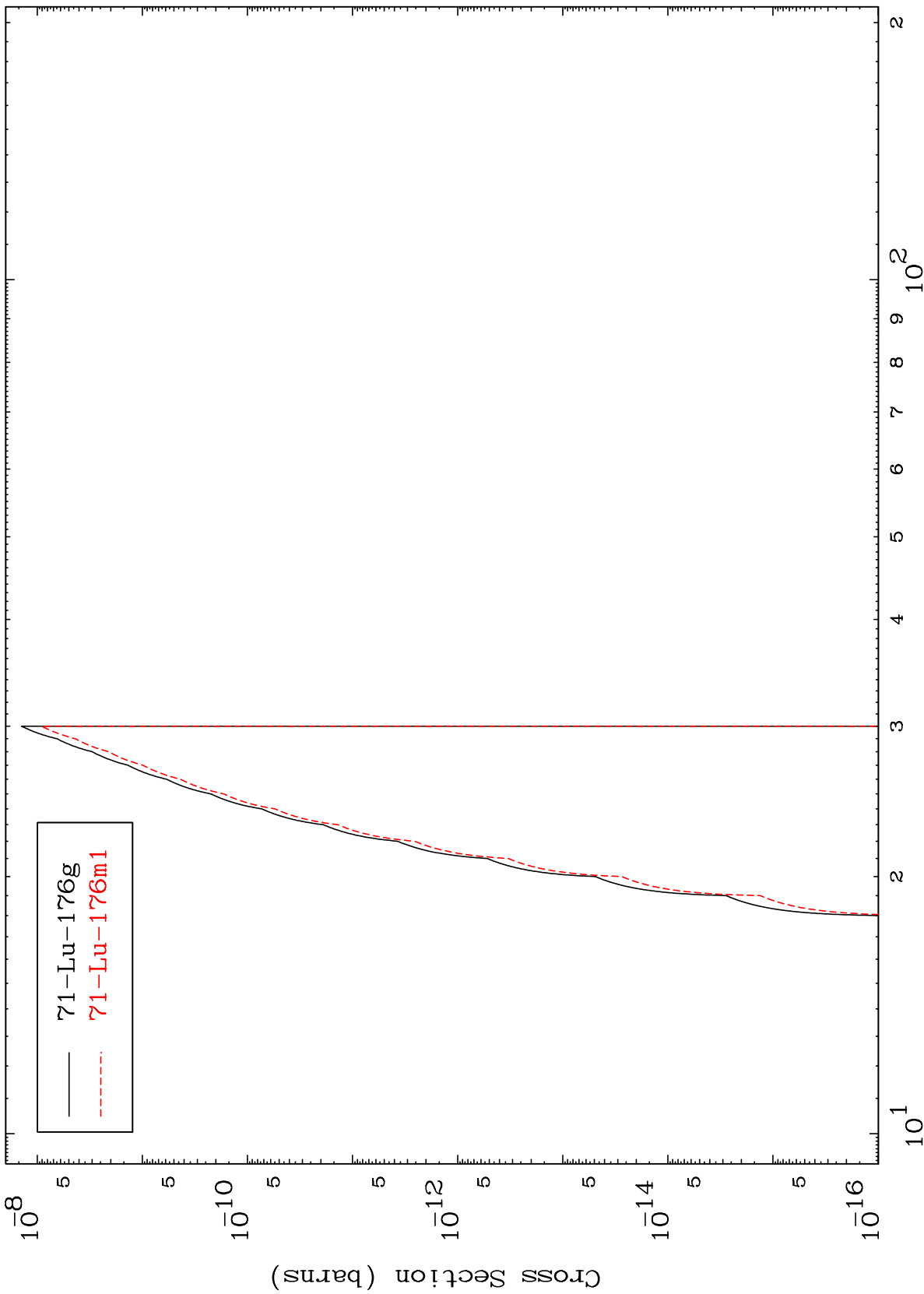
73-Ta-178

MAT 7319

(n,p) d

⁷³Ta-178

Radionuclide Production Cross Section



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

Incident Energy (MeV)

⁷³Ta-178

133