

Program EVALPLOT
(Version 2017-1)

by

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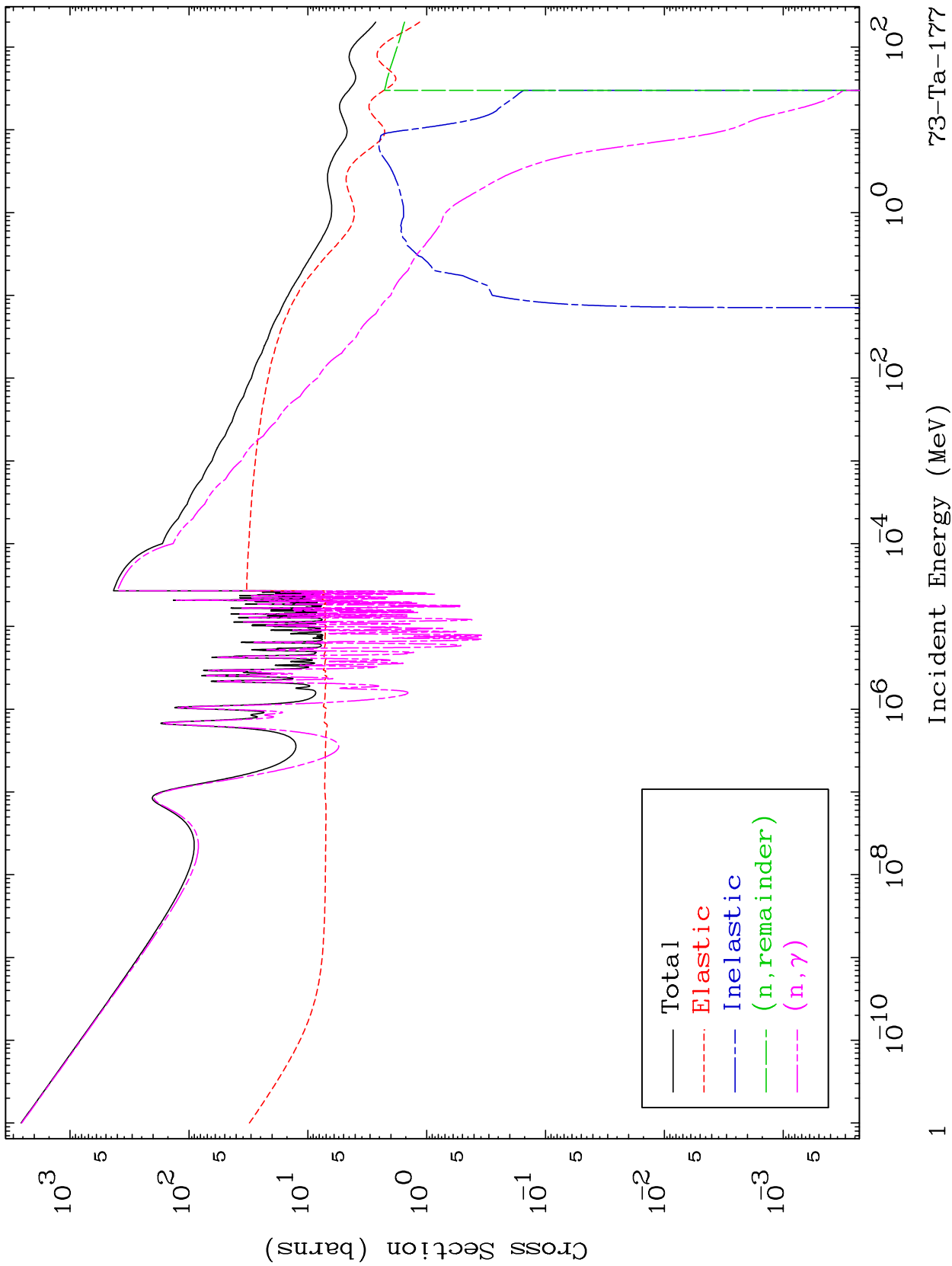
Press Mouse Button to Start

MAT 7316

Major

293 Kelvin Cross Sections

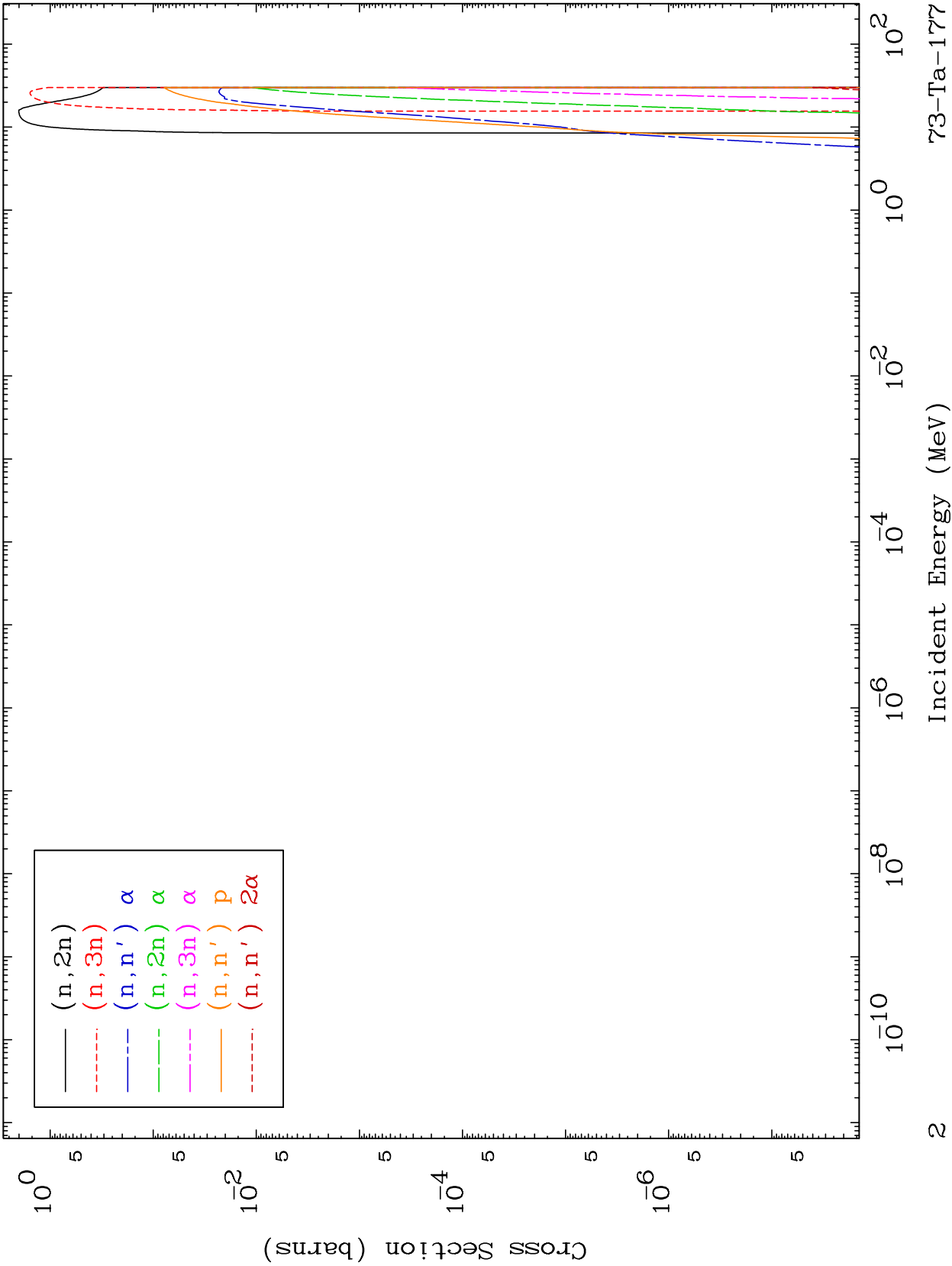
73-Ta-177

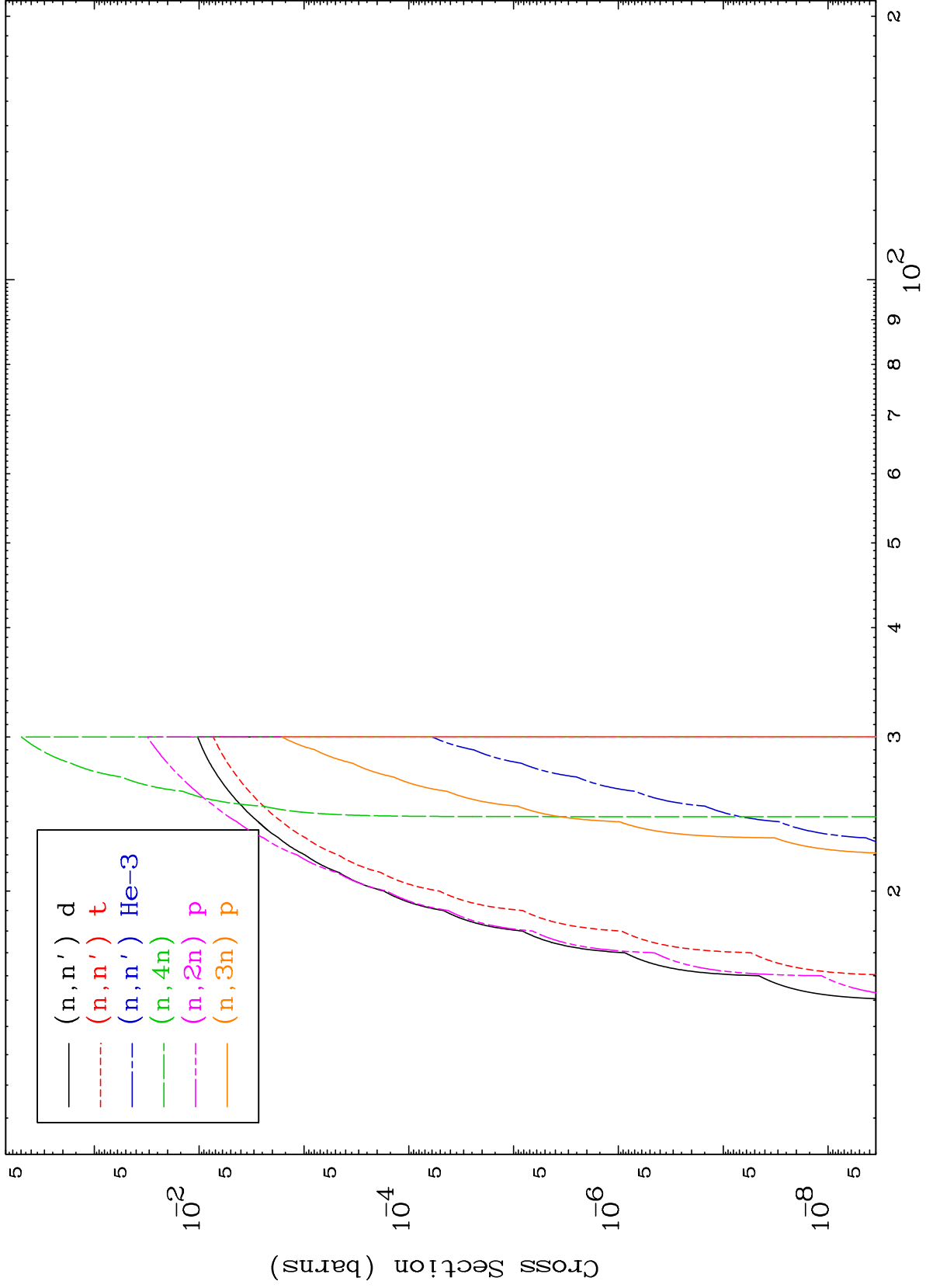


MAT 7316

Neutron Production
293 Kelvin Cross Sections

73-Ta-177

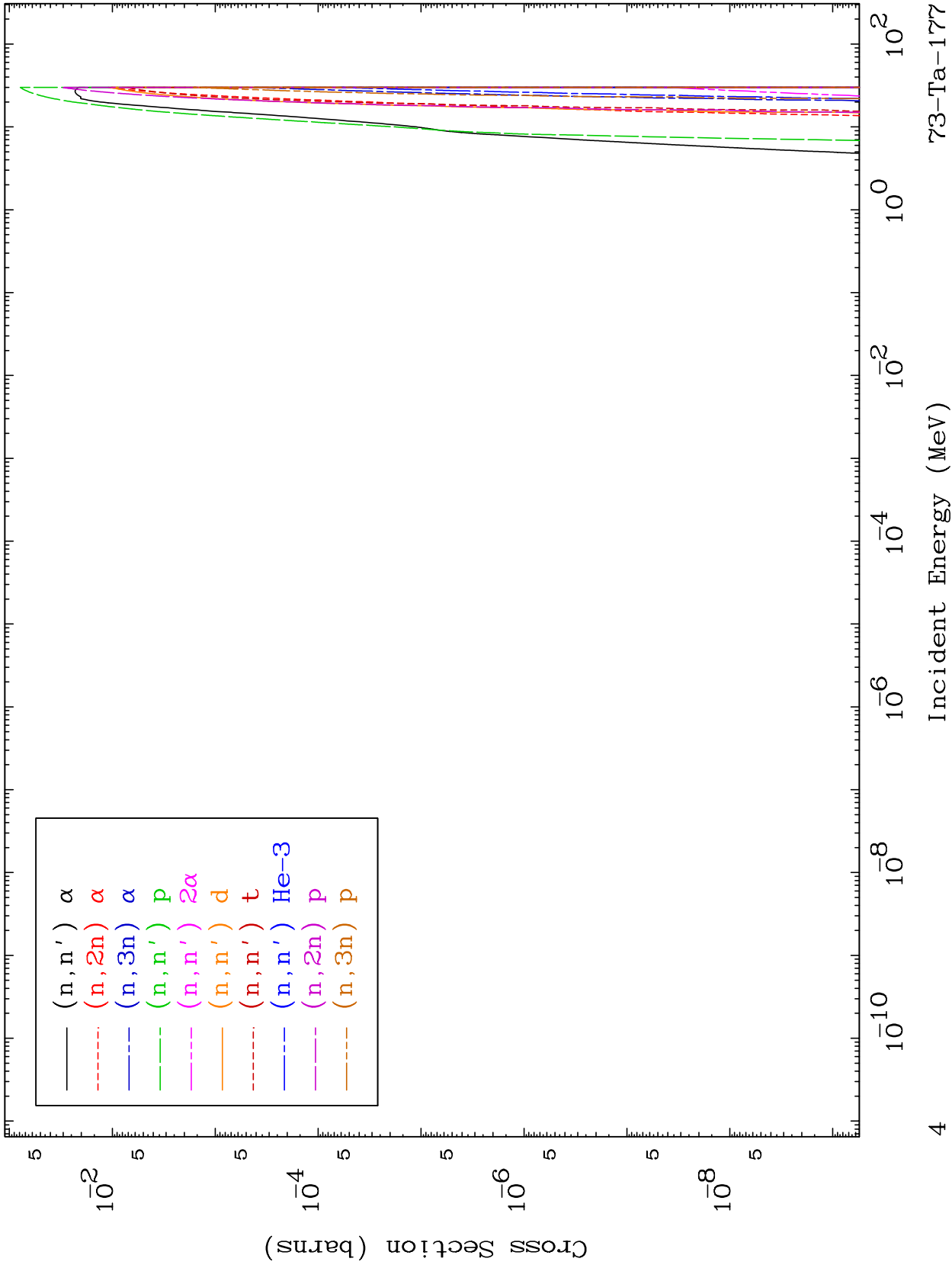


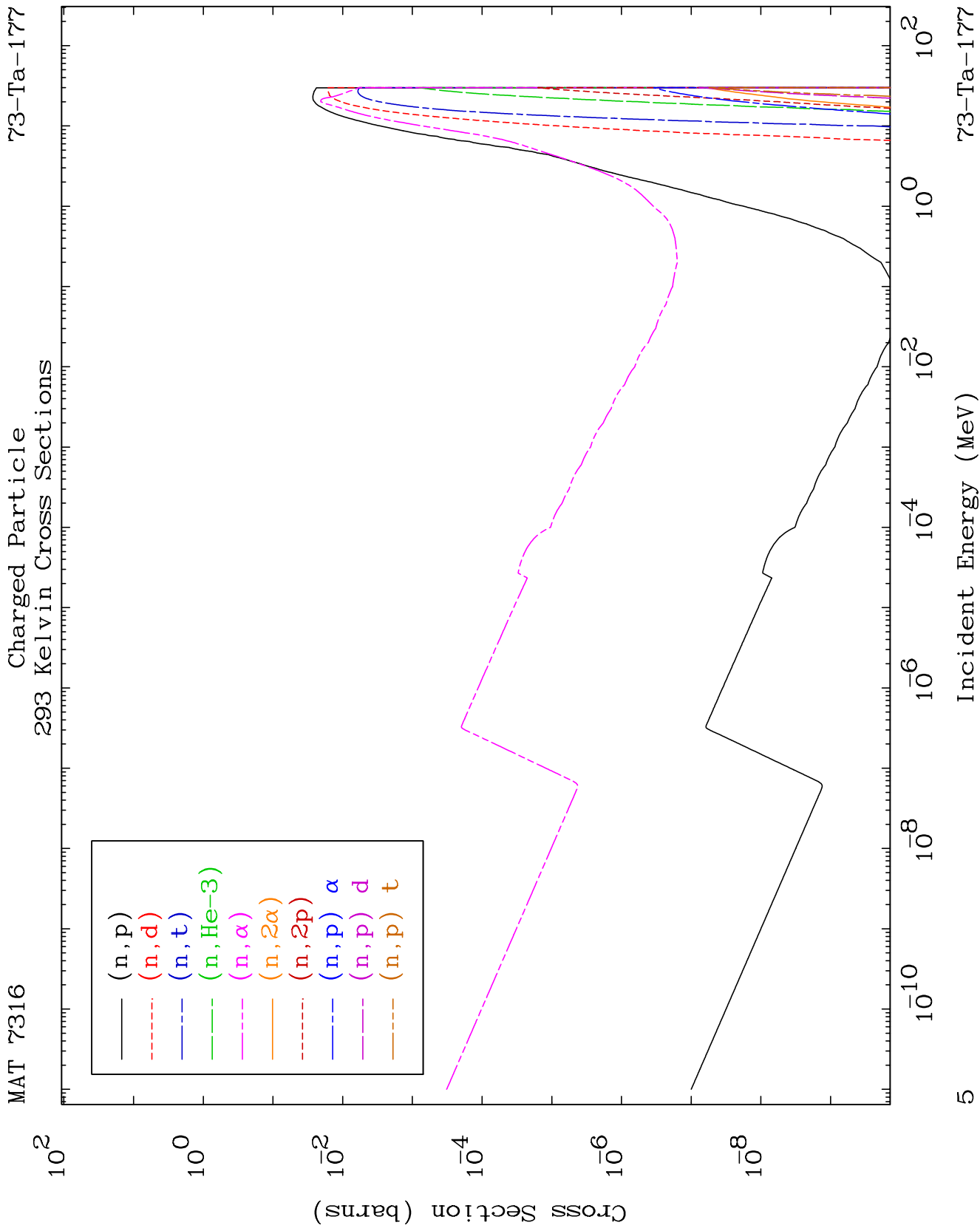


MAT 7316

Charged Particle
293 Kelvin Cross Sections

73-Ta-177

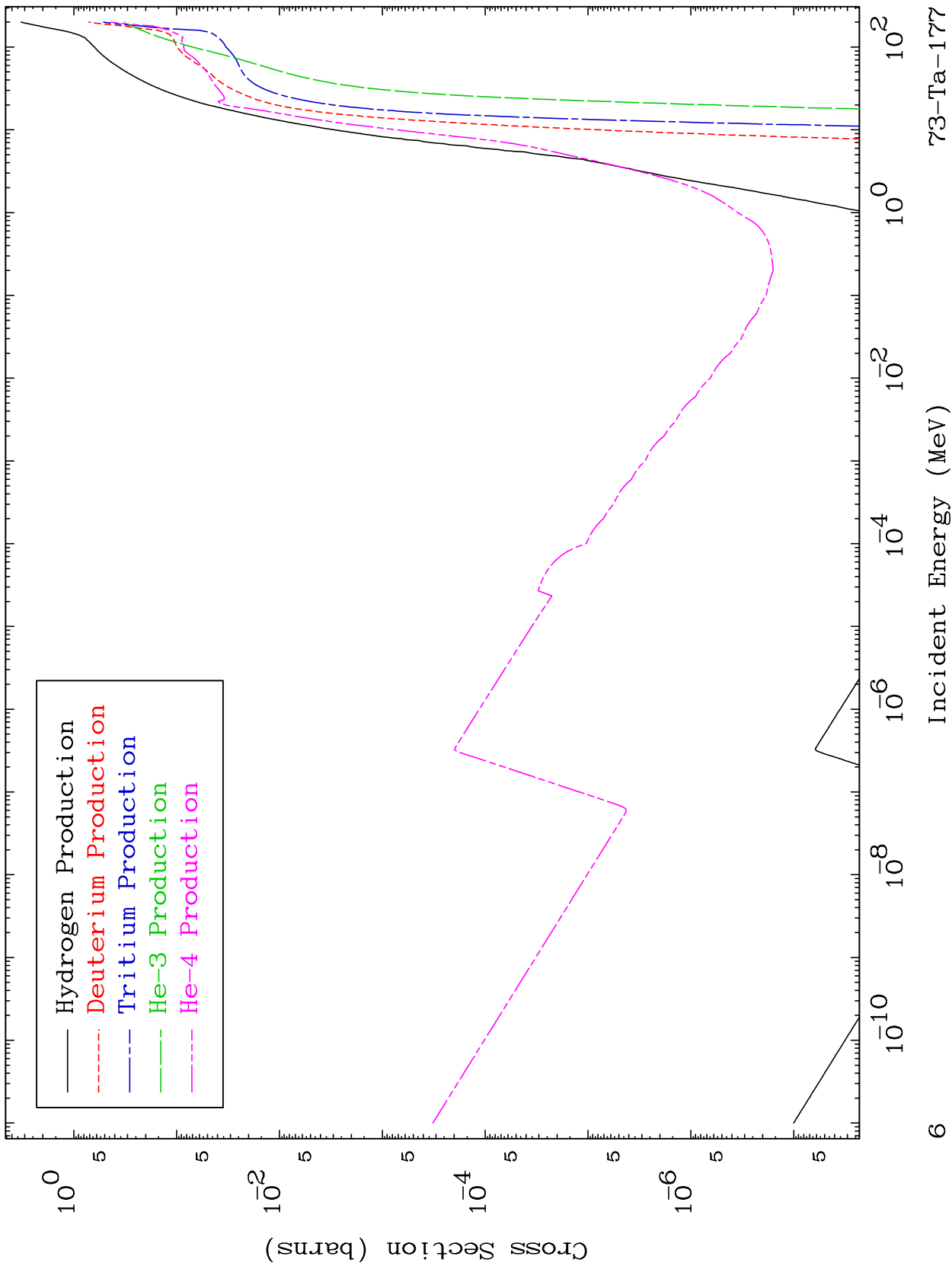




MAT 7316

Particle Production
293 Kelvin Cross Sections

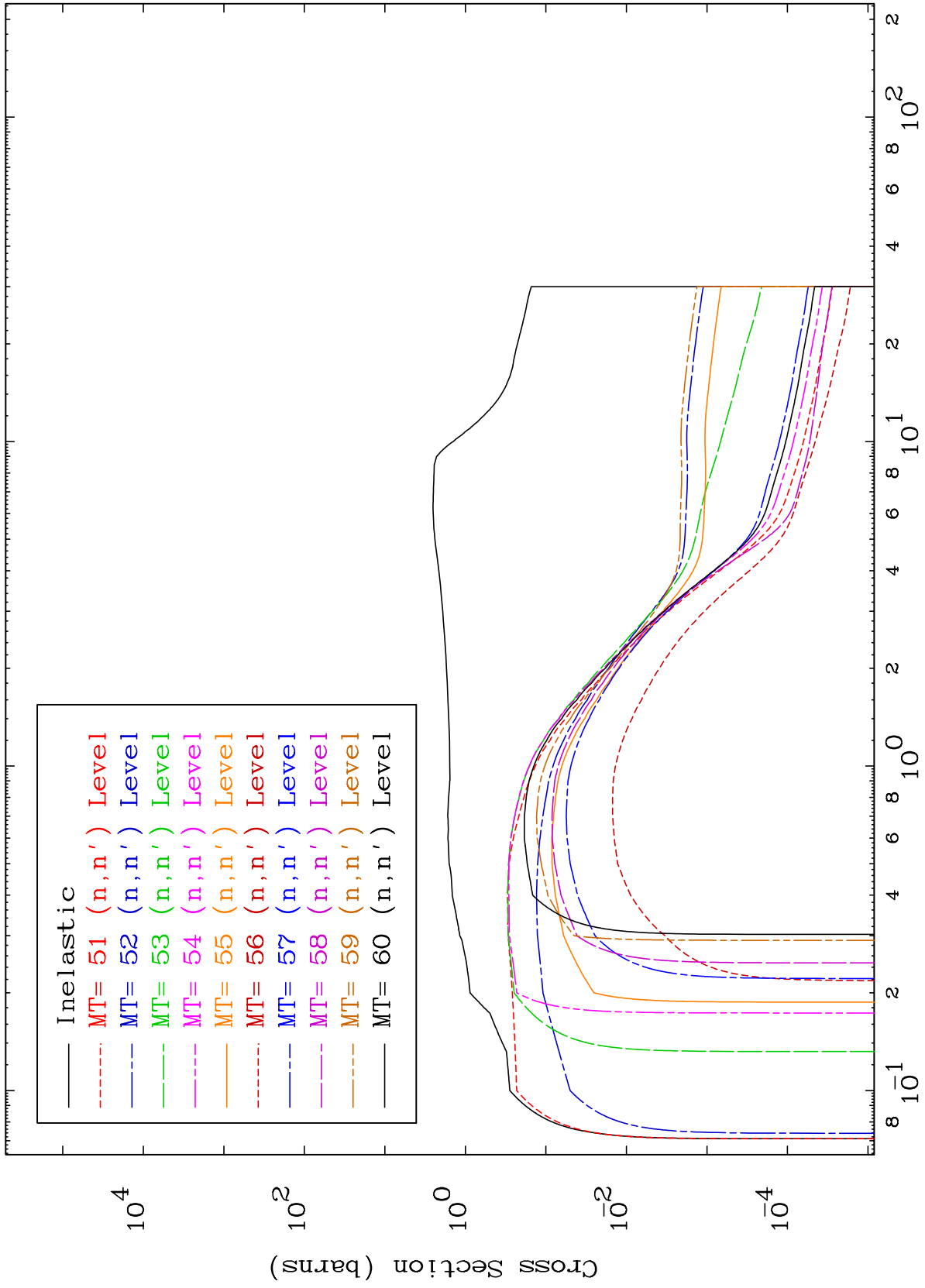
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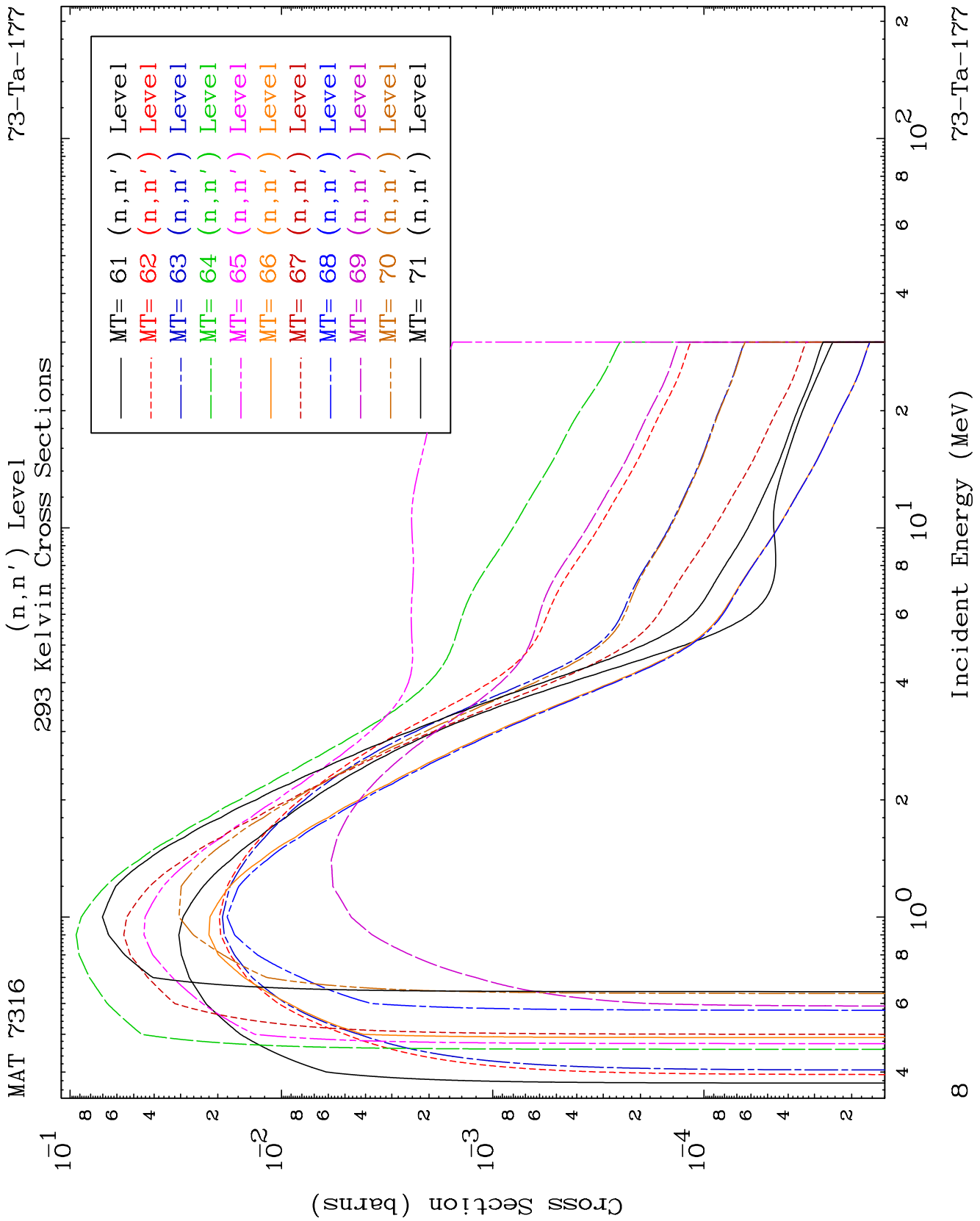


MAT 7316

(n,n') Level
293 Kelvin Cross Sections

73-Ta-177



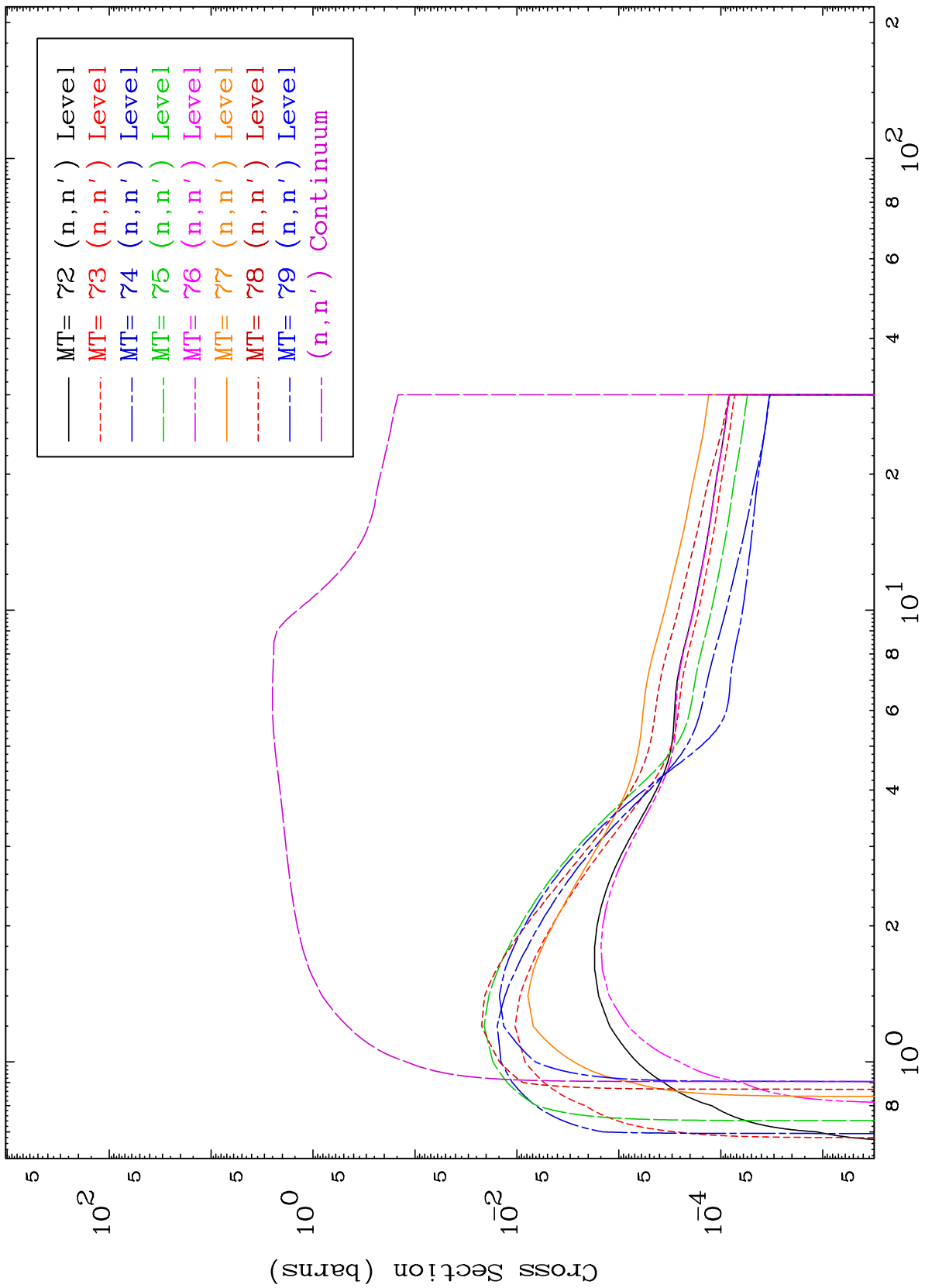


MAT 7316

(n,n') Level

73-Ta-177

293 Kelvin Cross Sections



9

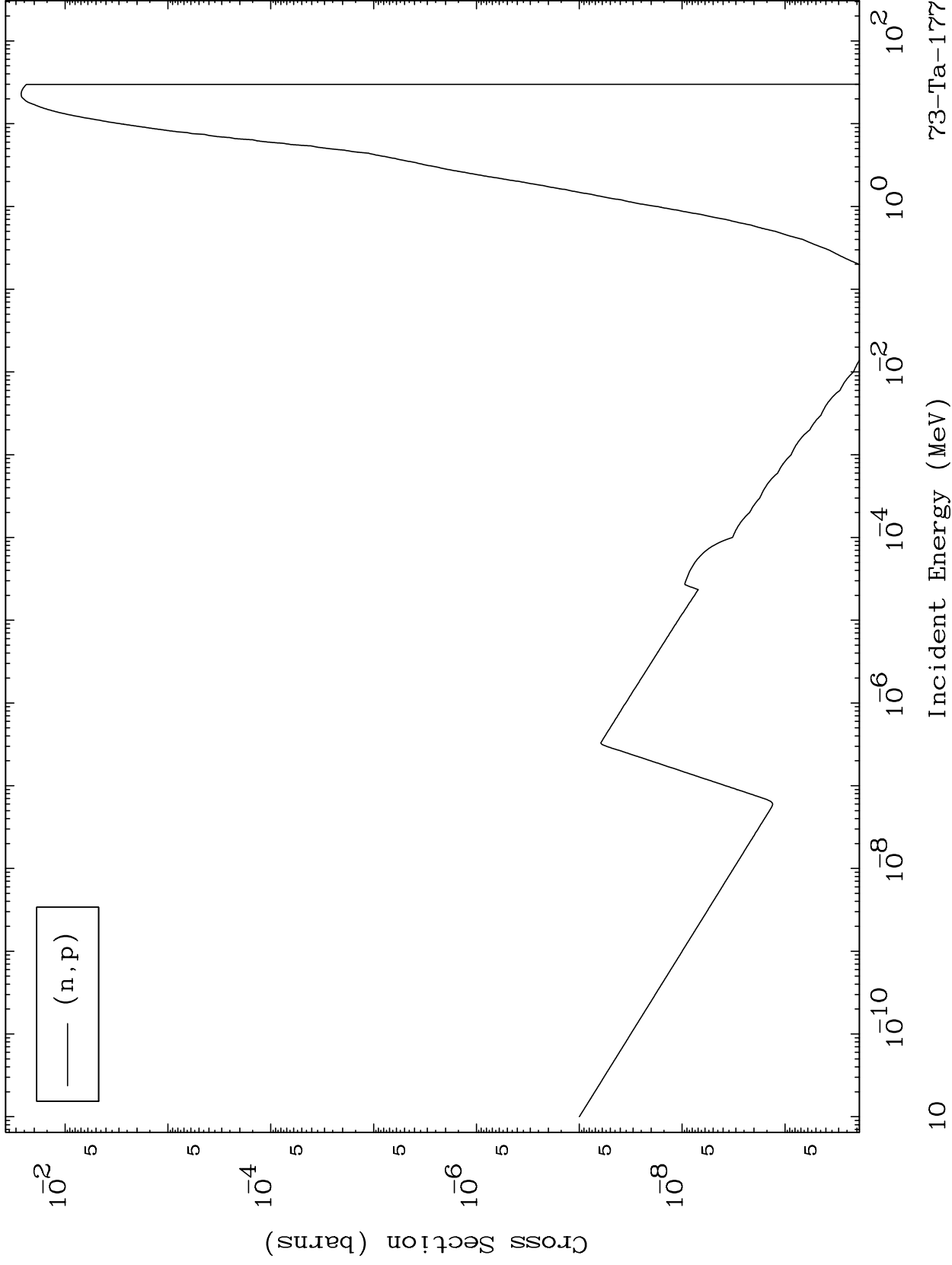
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-177



10

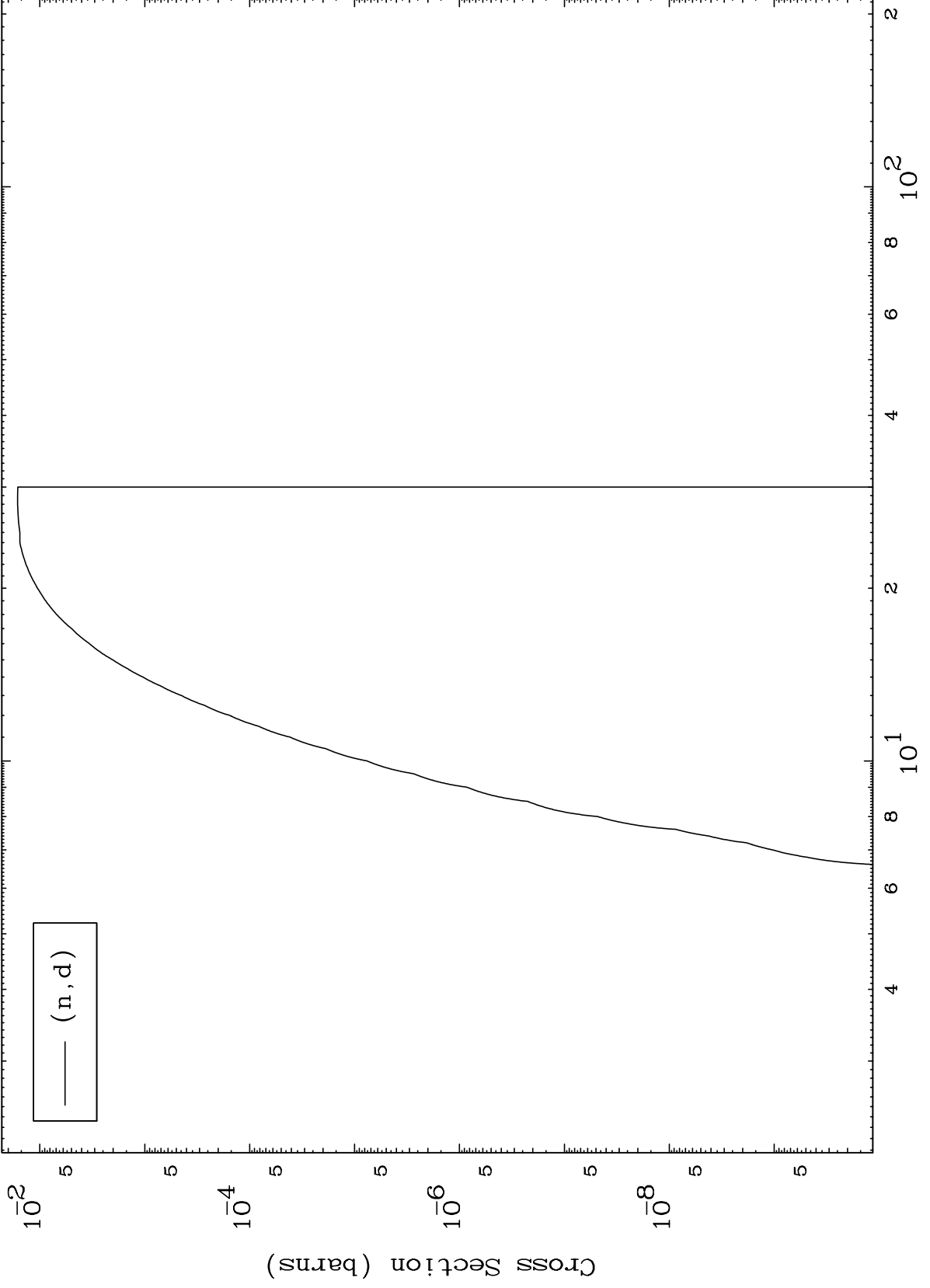
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,d) Levels
293 Kelvin Cross Sections

⁷³Ta-177



11

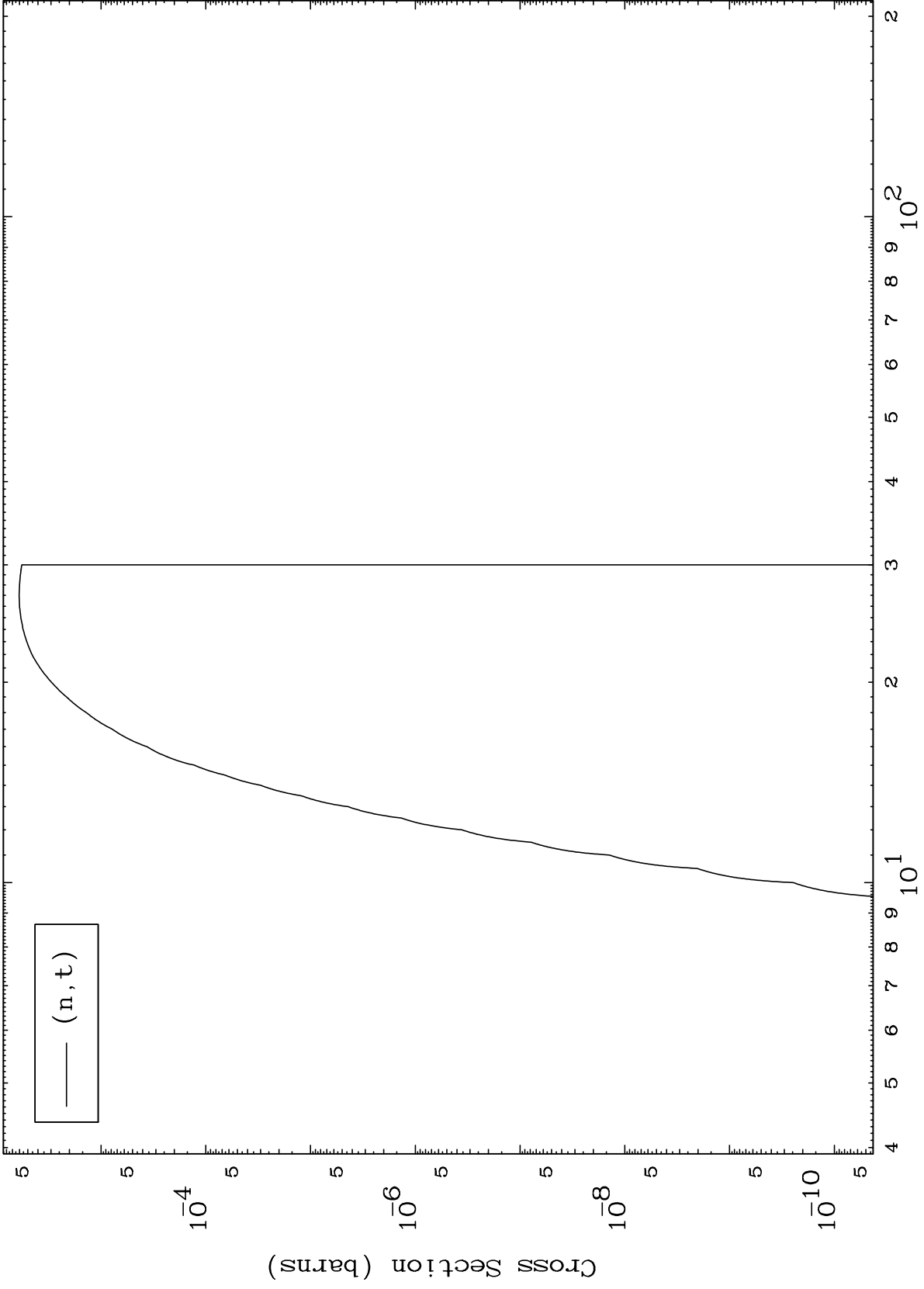
Incident Energy (MeV)

⁷³Ta-177

MAT 7316

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-177



12

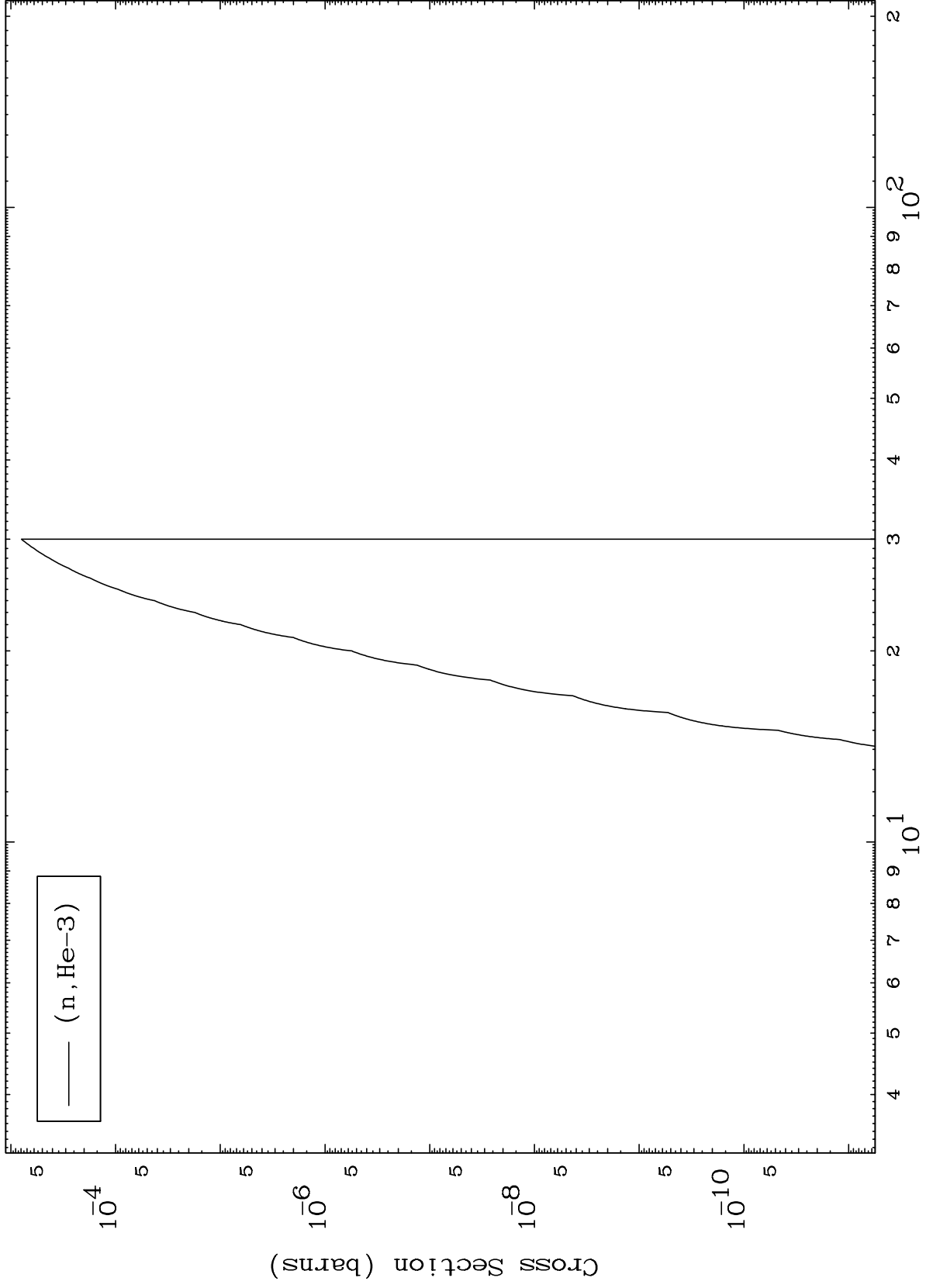
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,He3) Levels
293 Kelvin Cross Sections

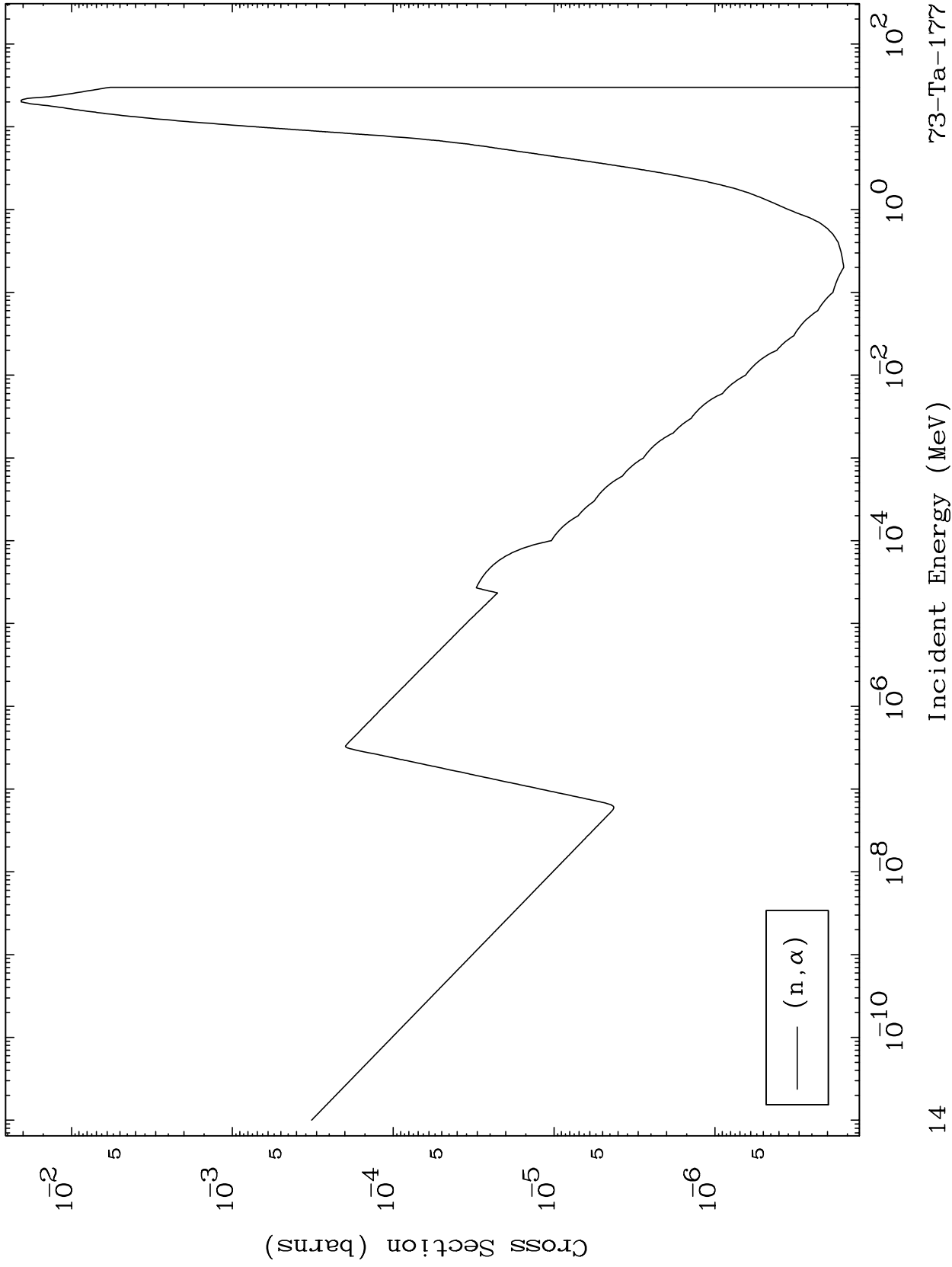
73-Ta-177

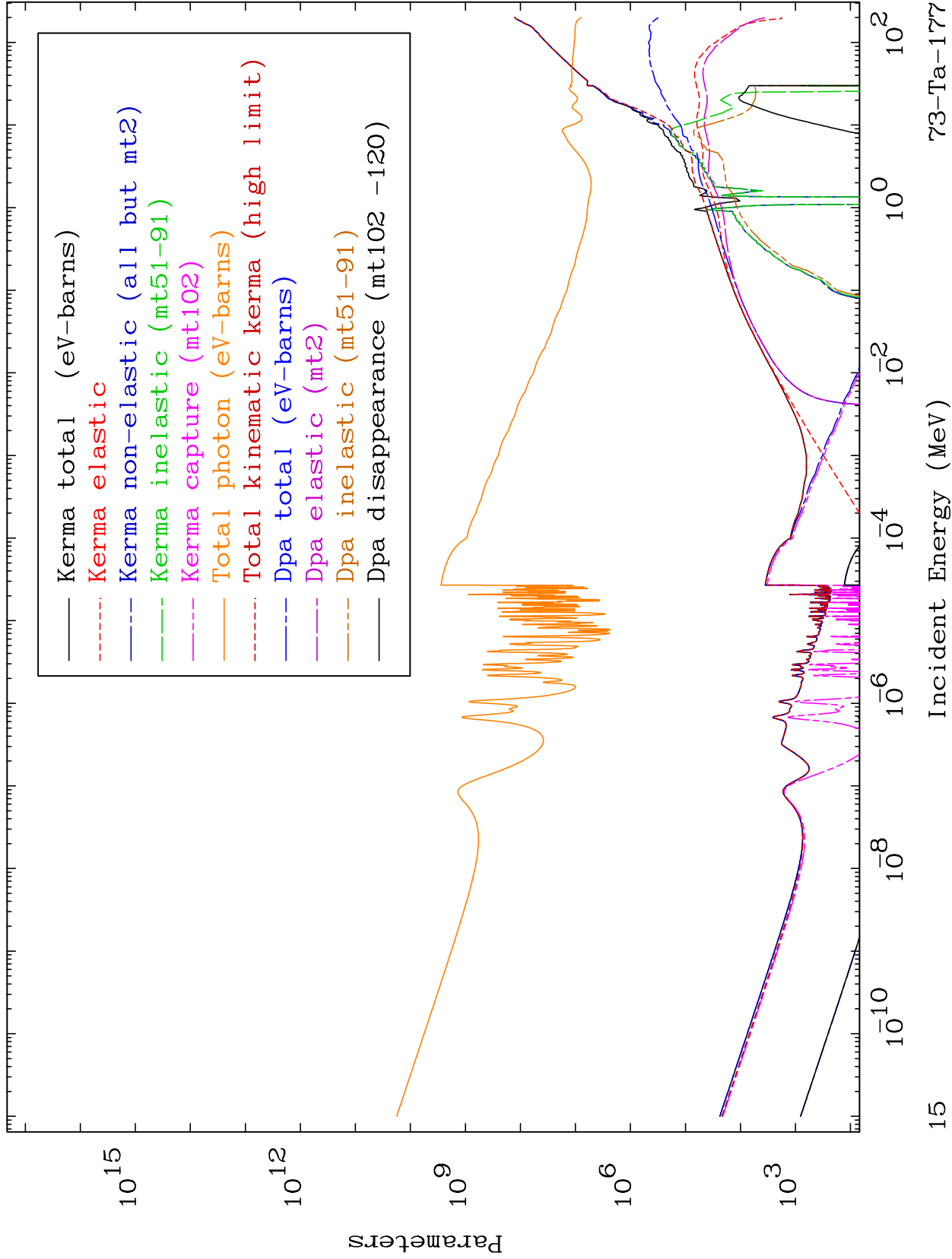


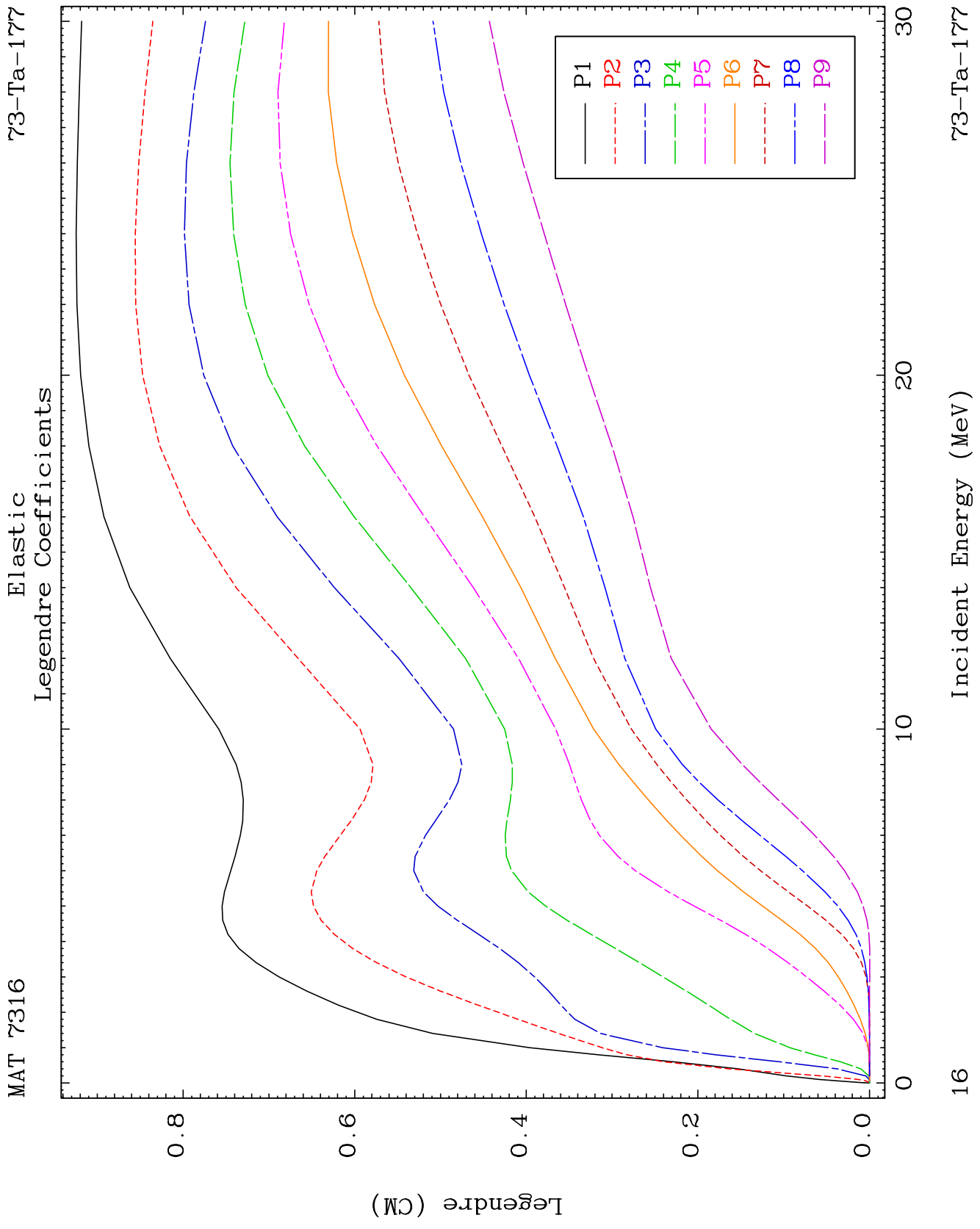
MAT 7316

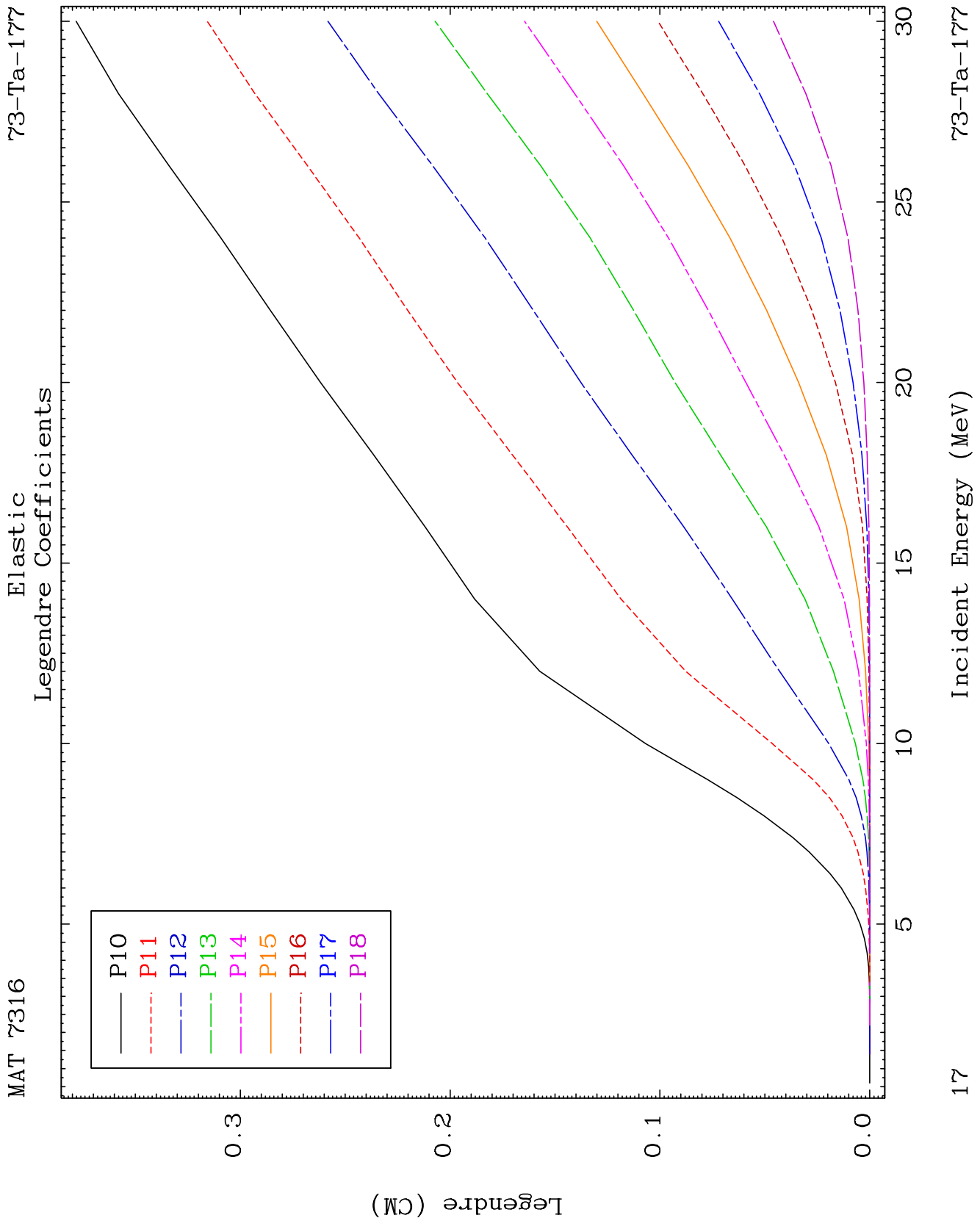
(n, α) Levels
293 Kelvin Cross Sections

73-Ta-177





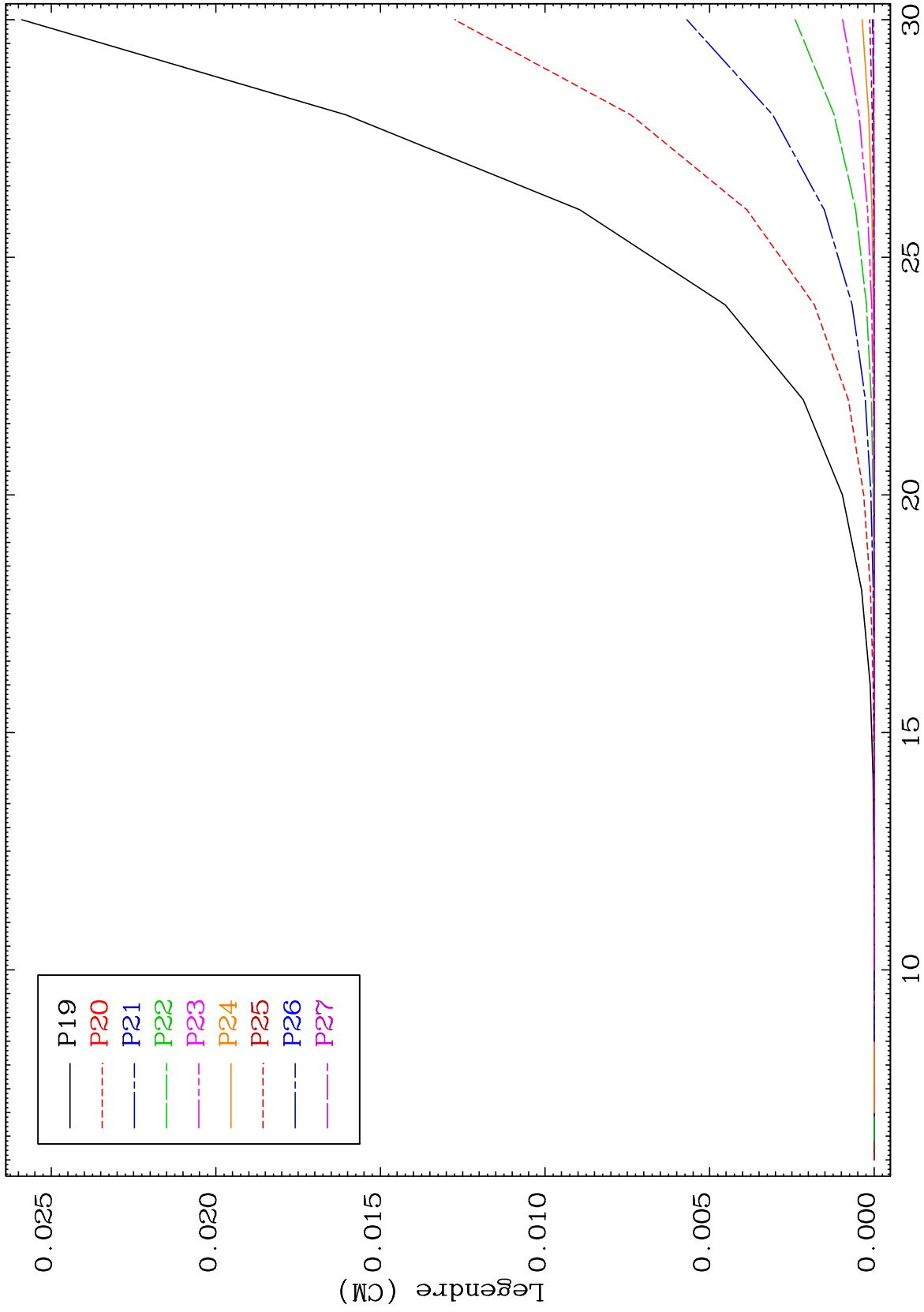




MAT 7316

Elastic Legendre Coefficients

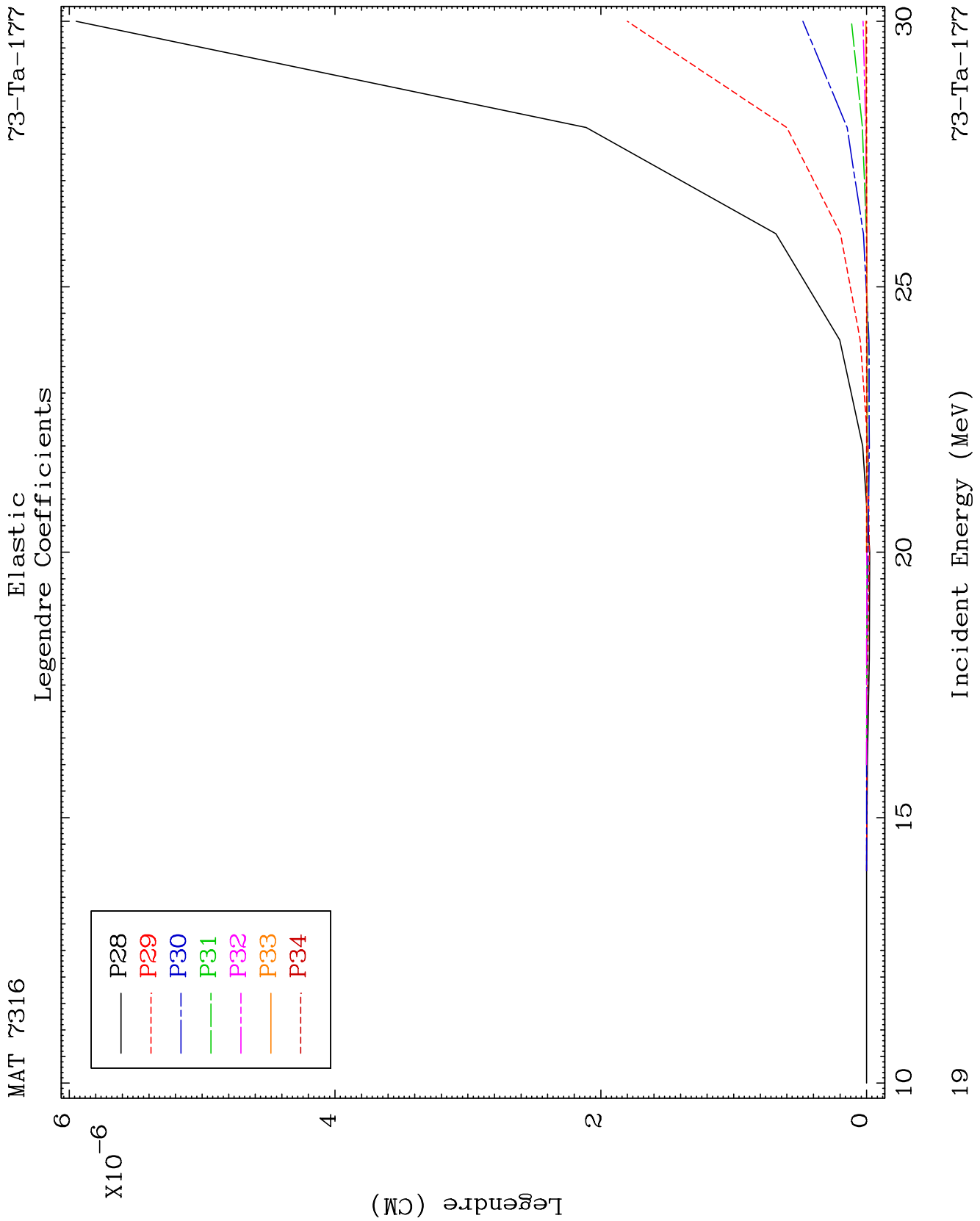
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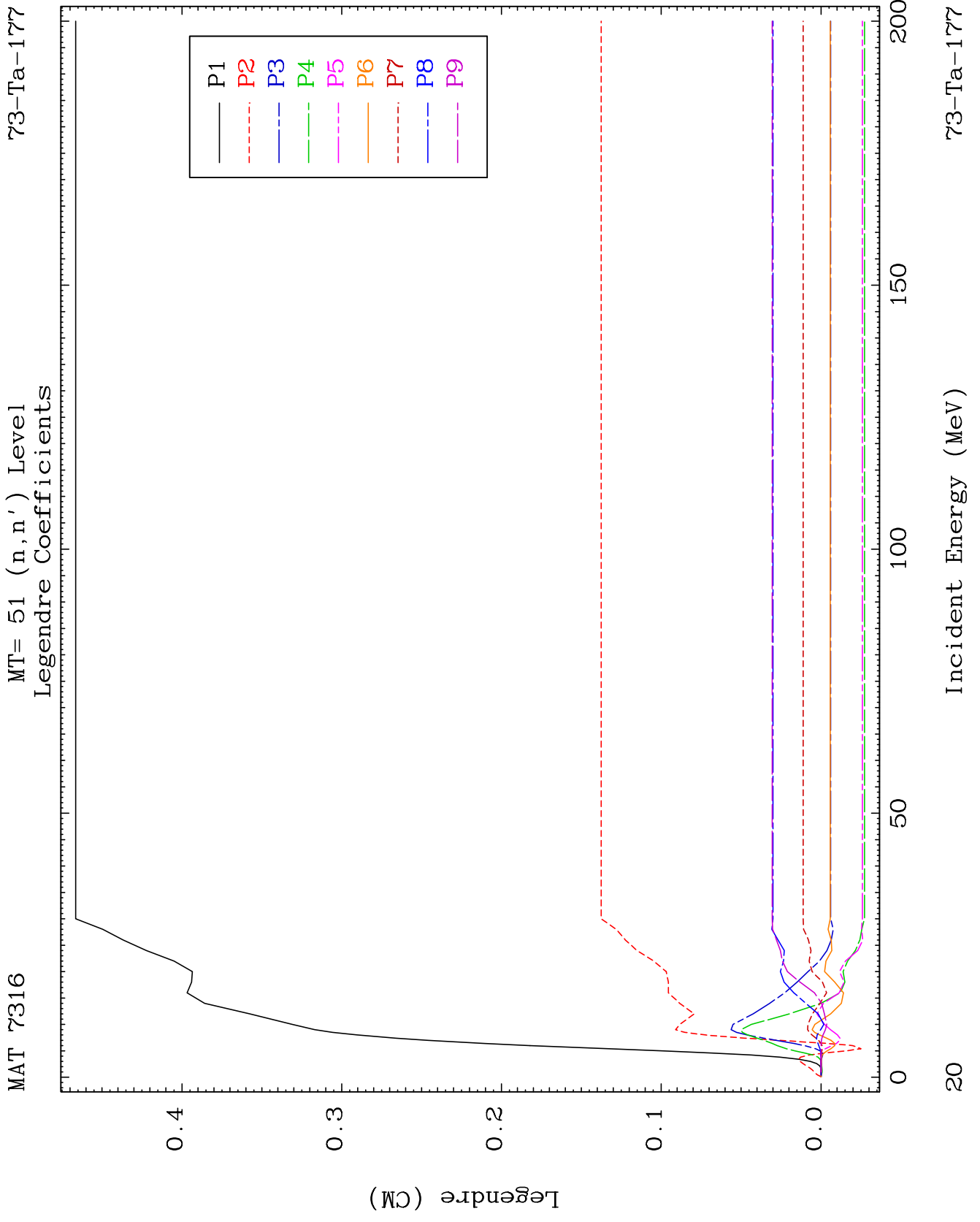


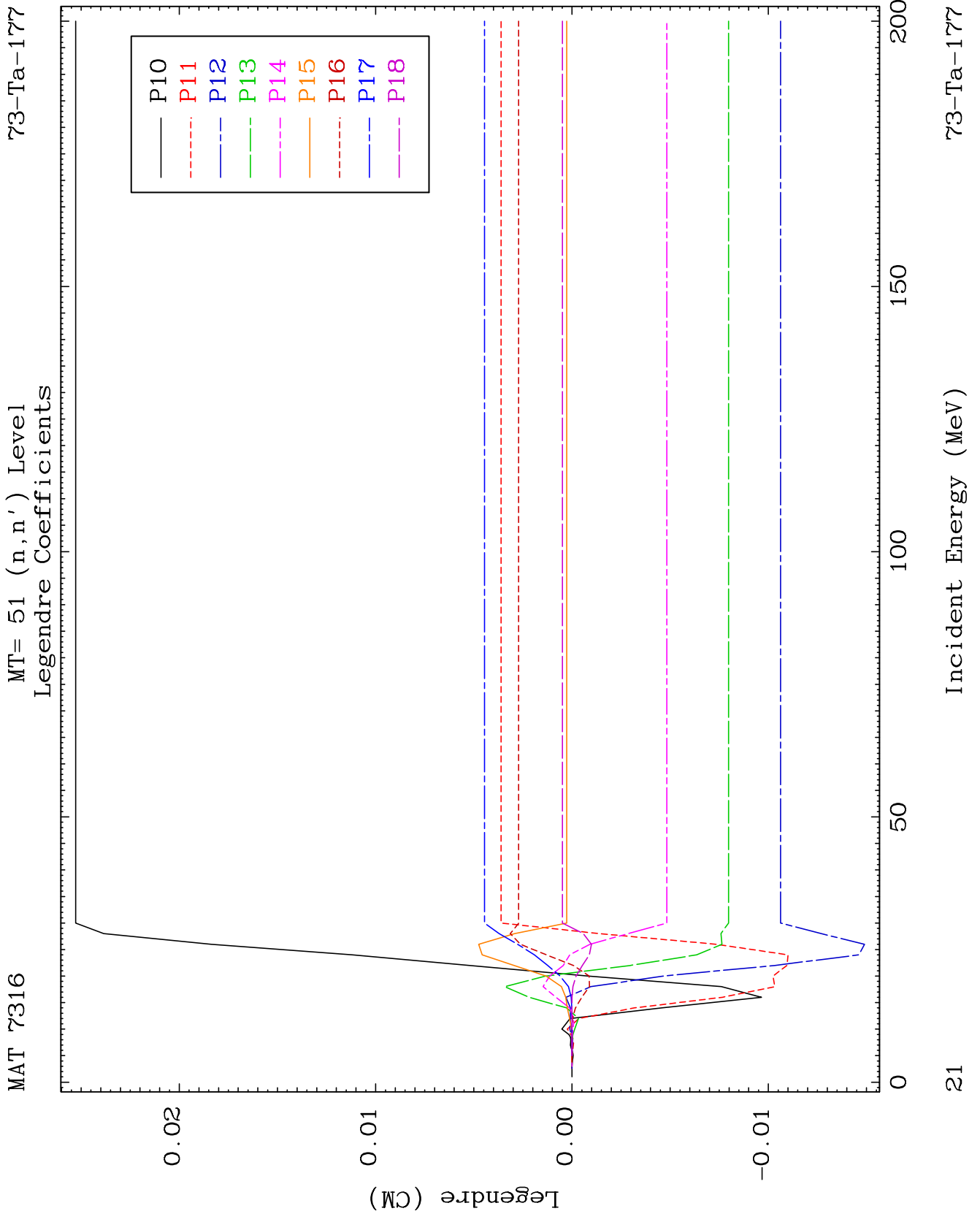
18

Incident Energy (MeV)

73-Ta-177



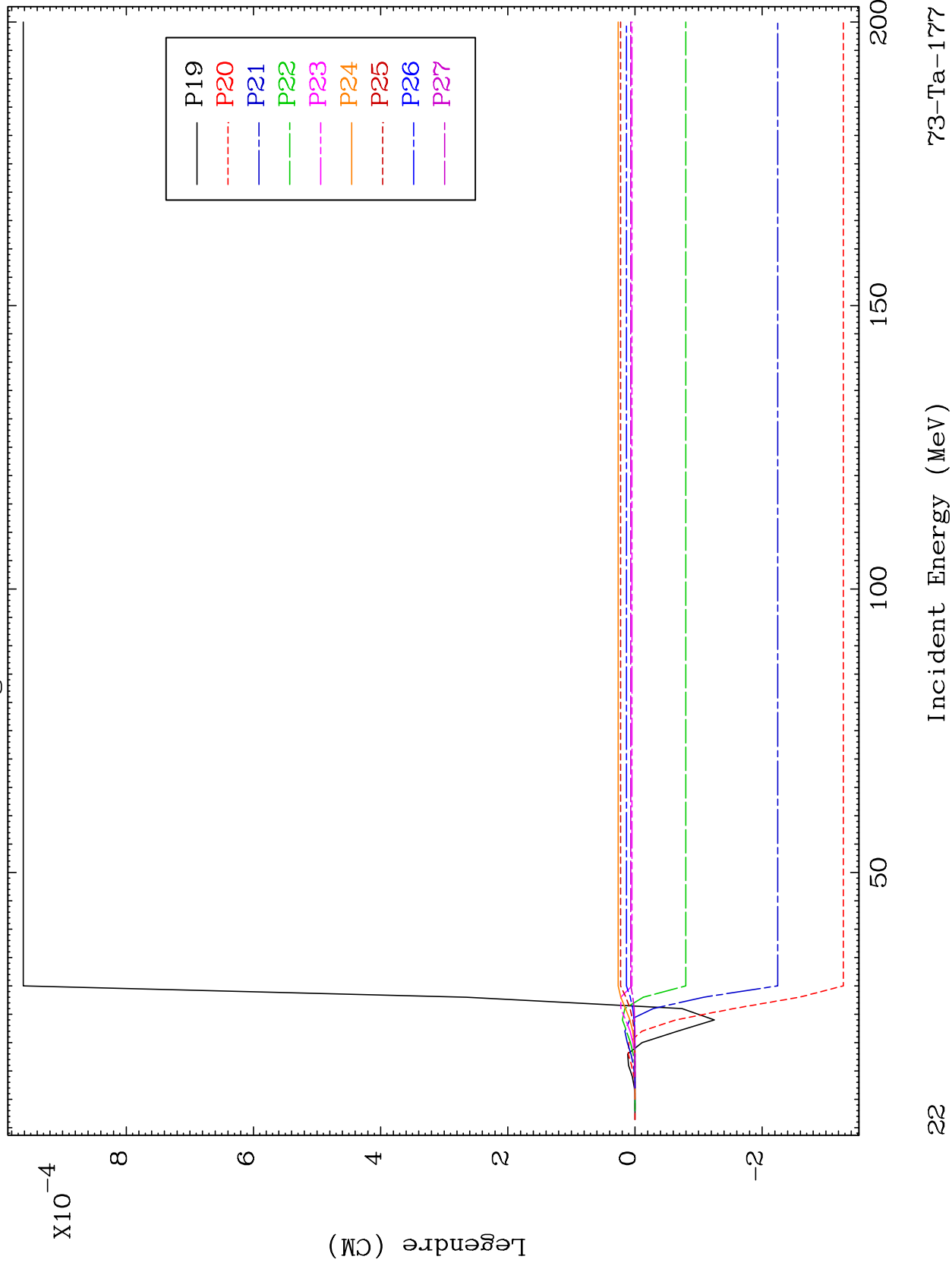




MAT 7316

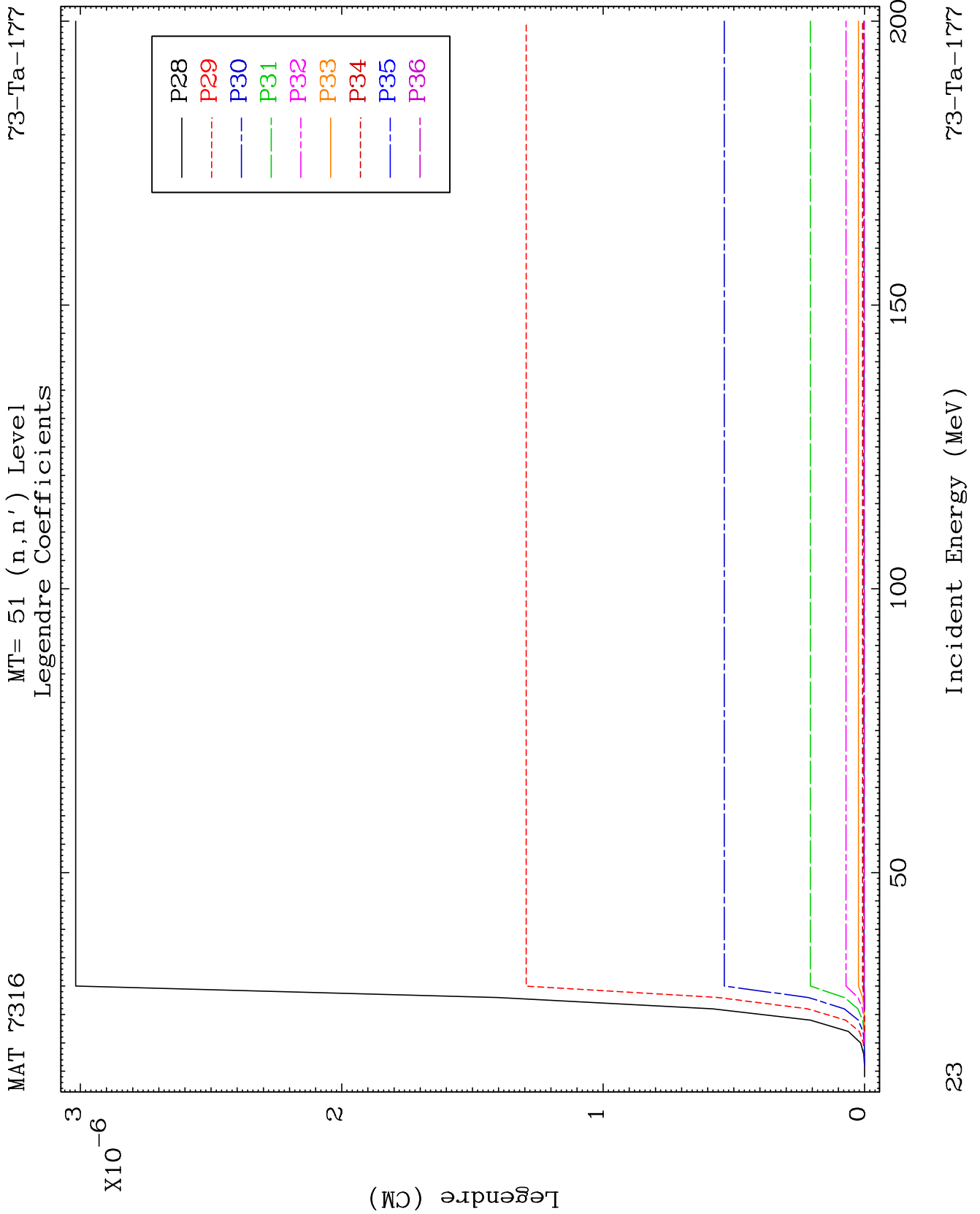
MT= 51 (n,n') Level
Legendre Coefficients

73-Ta-177



22

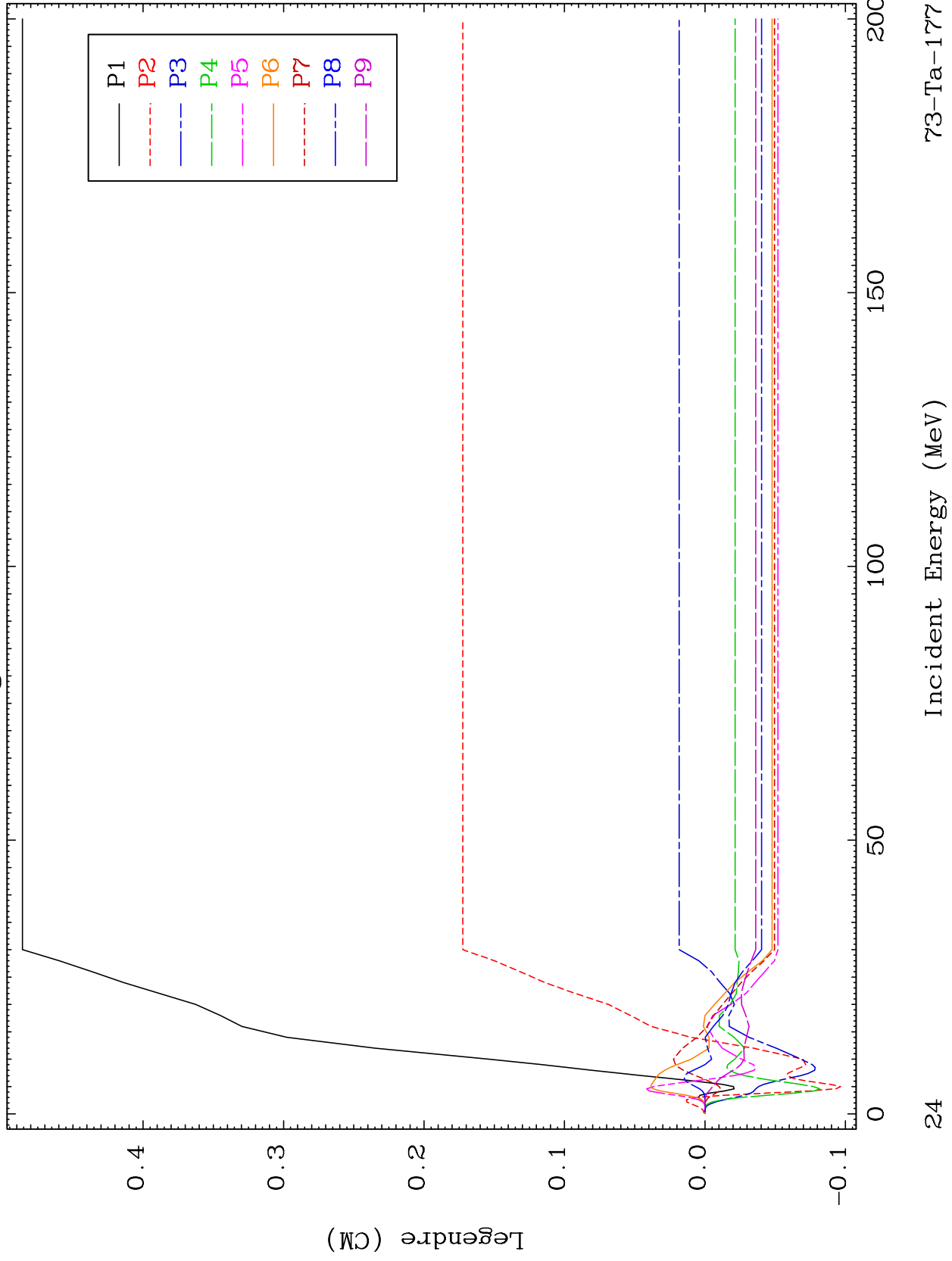
73-Ta-177



MAT 7316

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

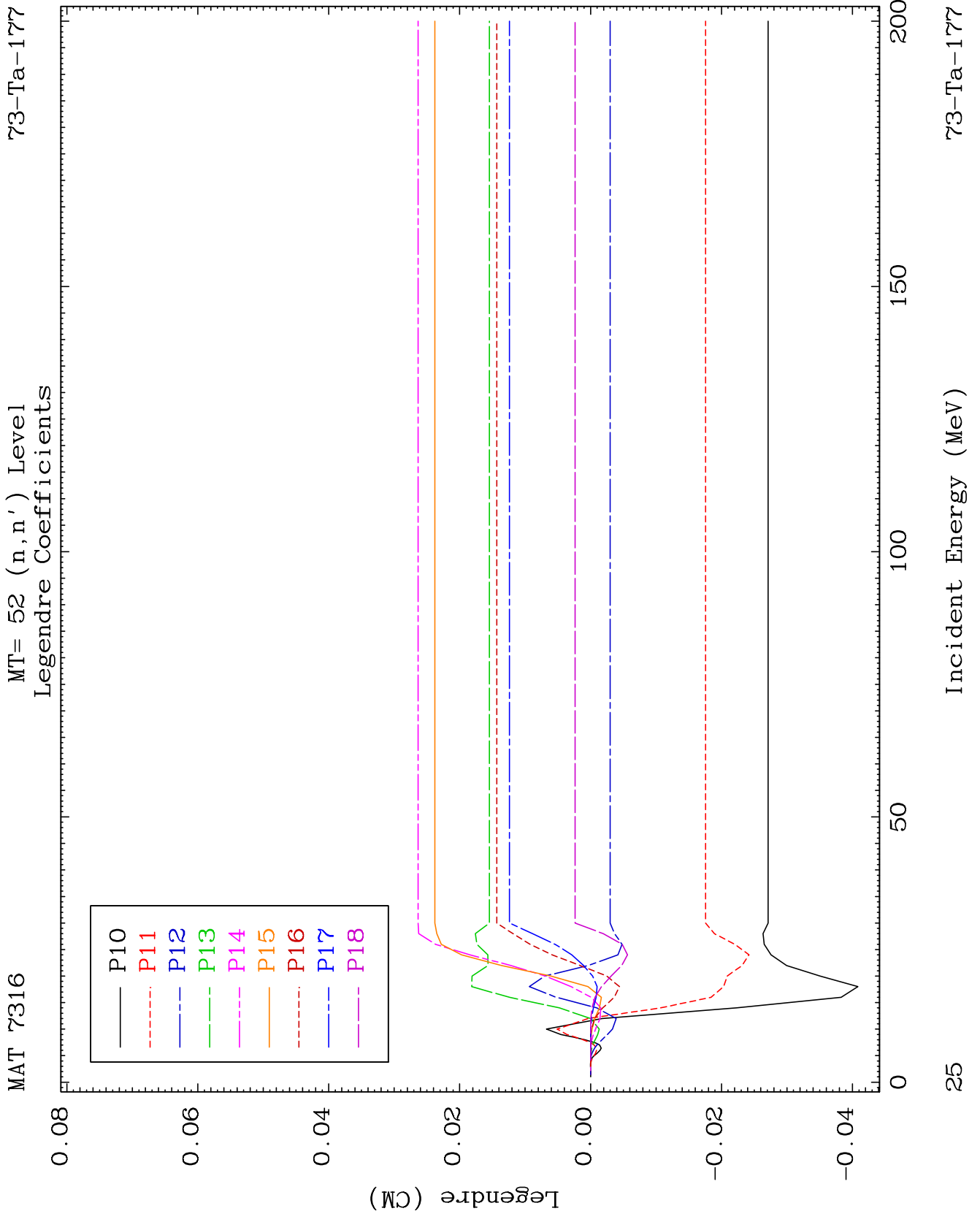
⁷³Ta-177



⁷³Ta-177

Incident Energy (MeV)

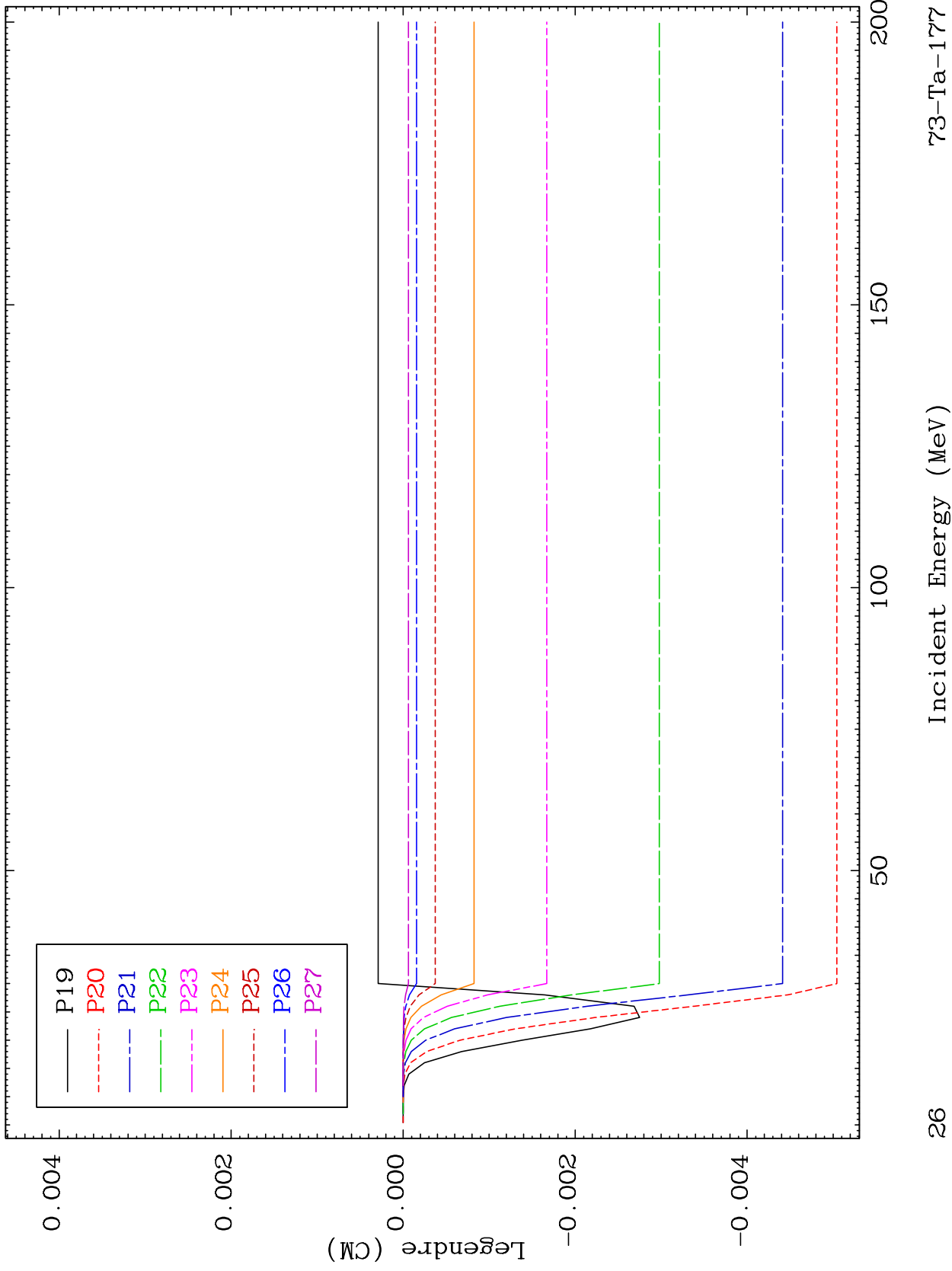
24



MAT 7316

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

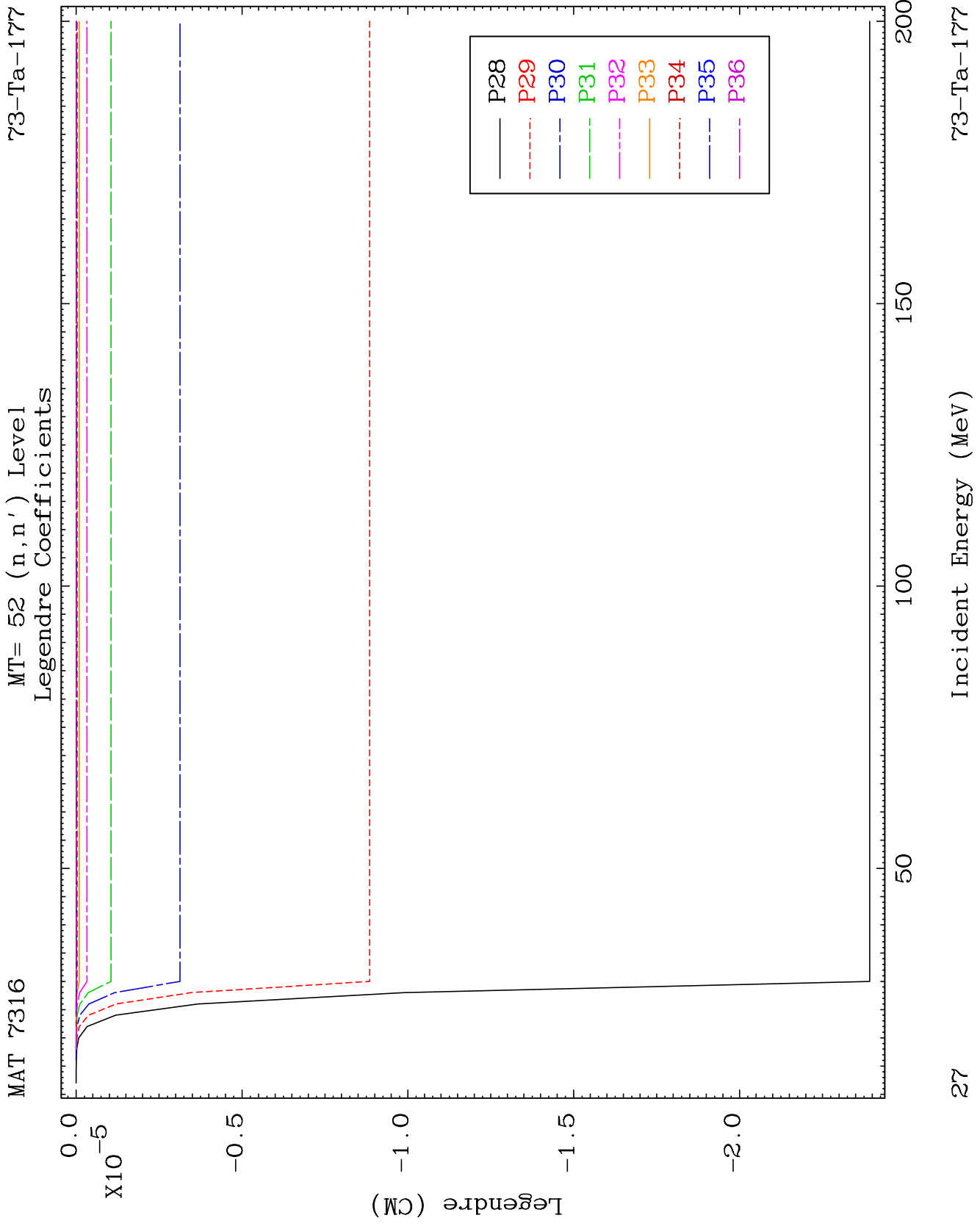
73-Ta-177



26

Incident Energy (MeV)

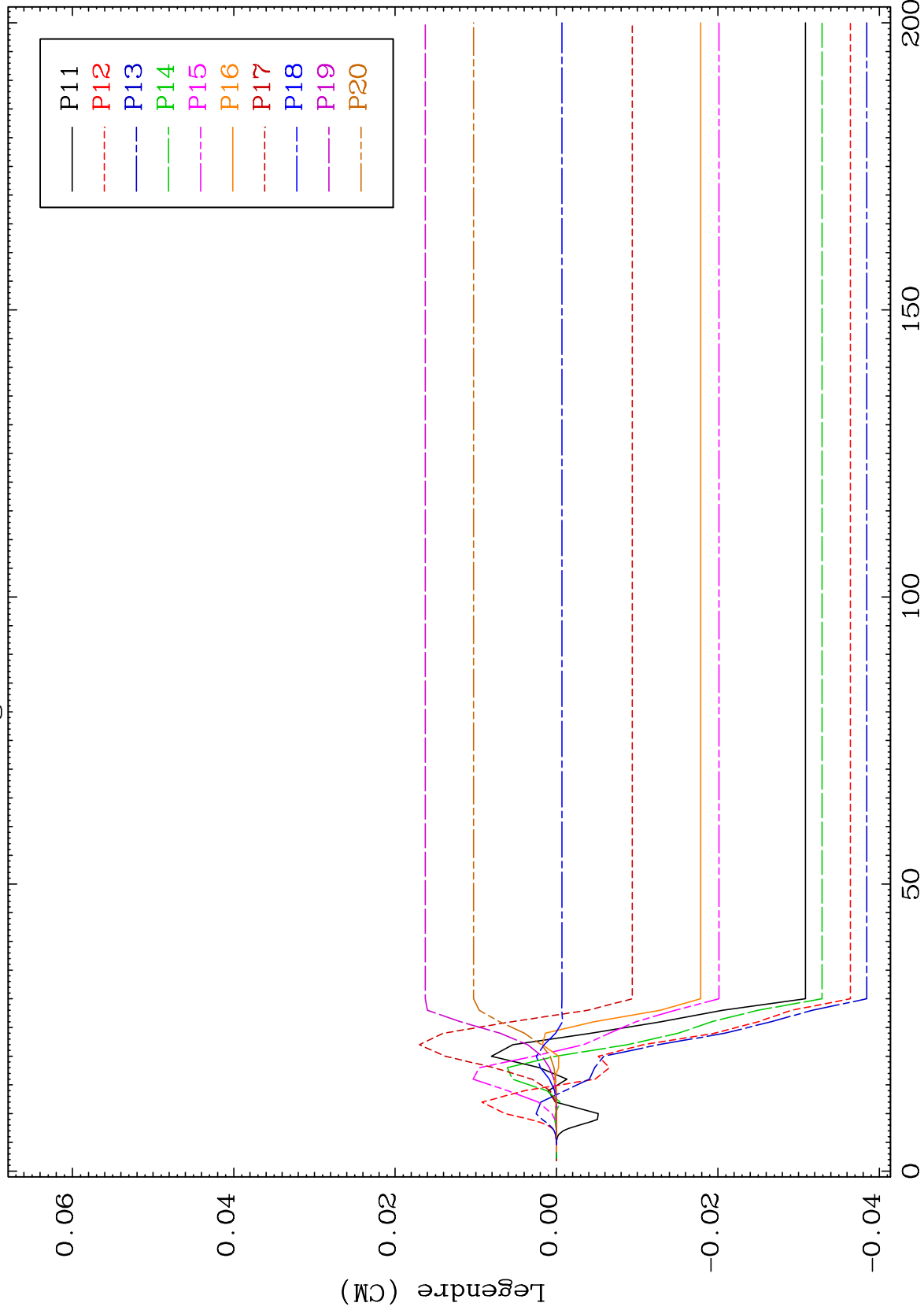
73-Ta-177



MAT 7316

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

73-Ta-177



29

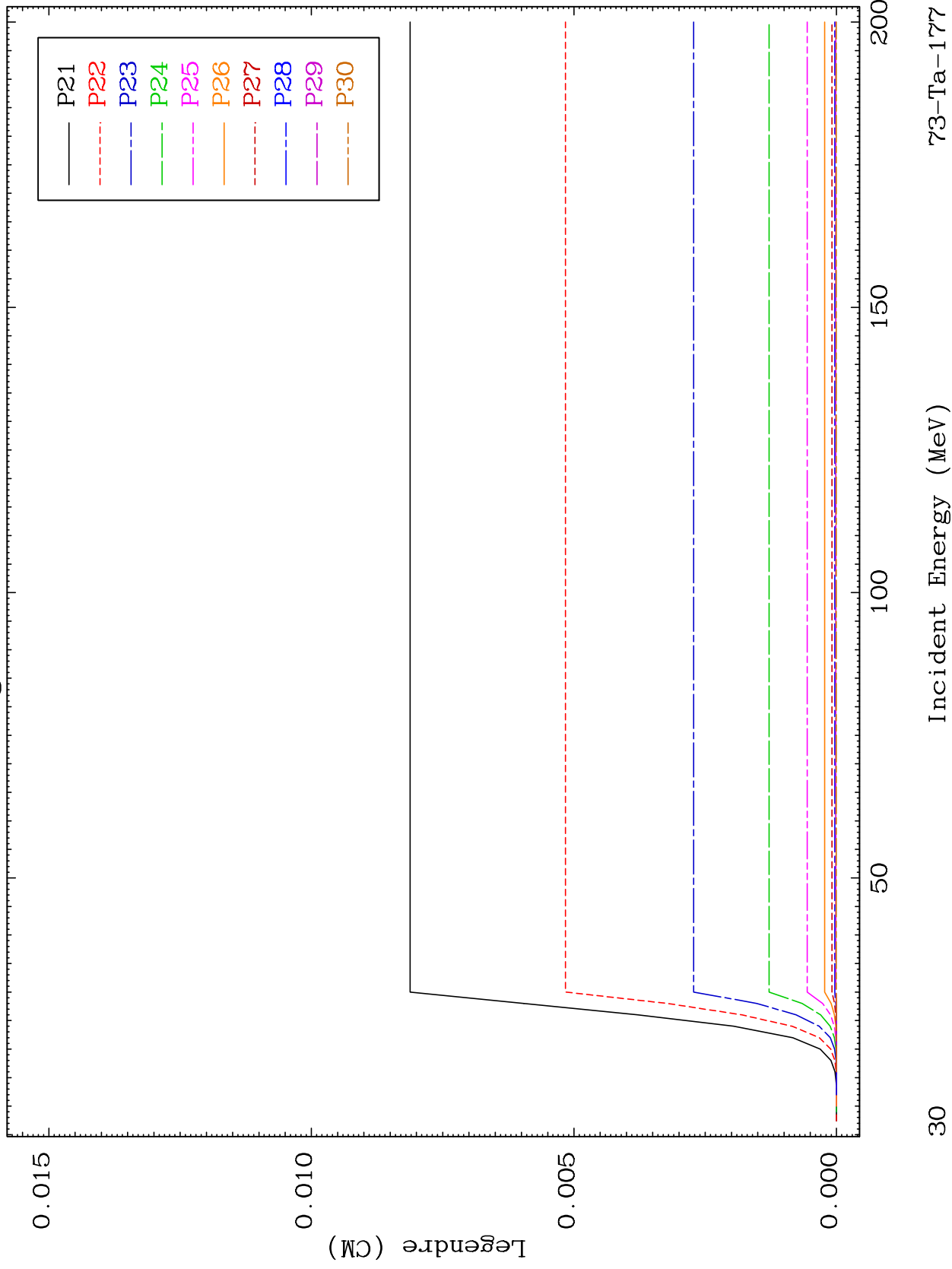
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



73-Ta-177

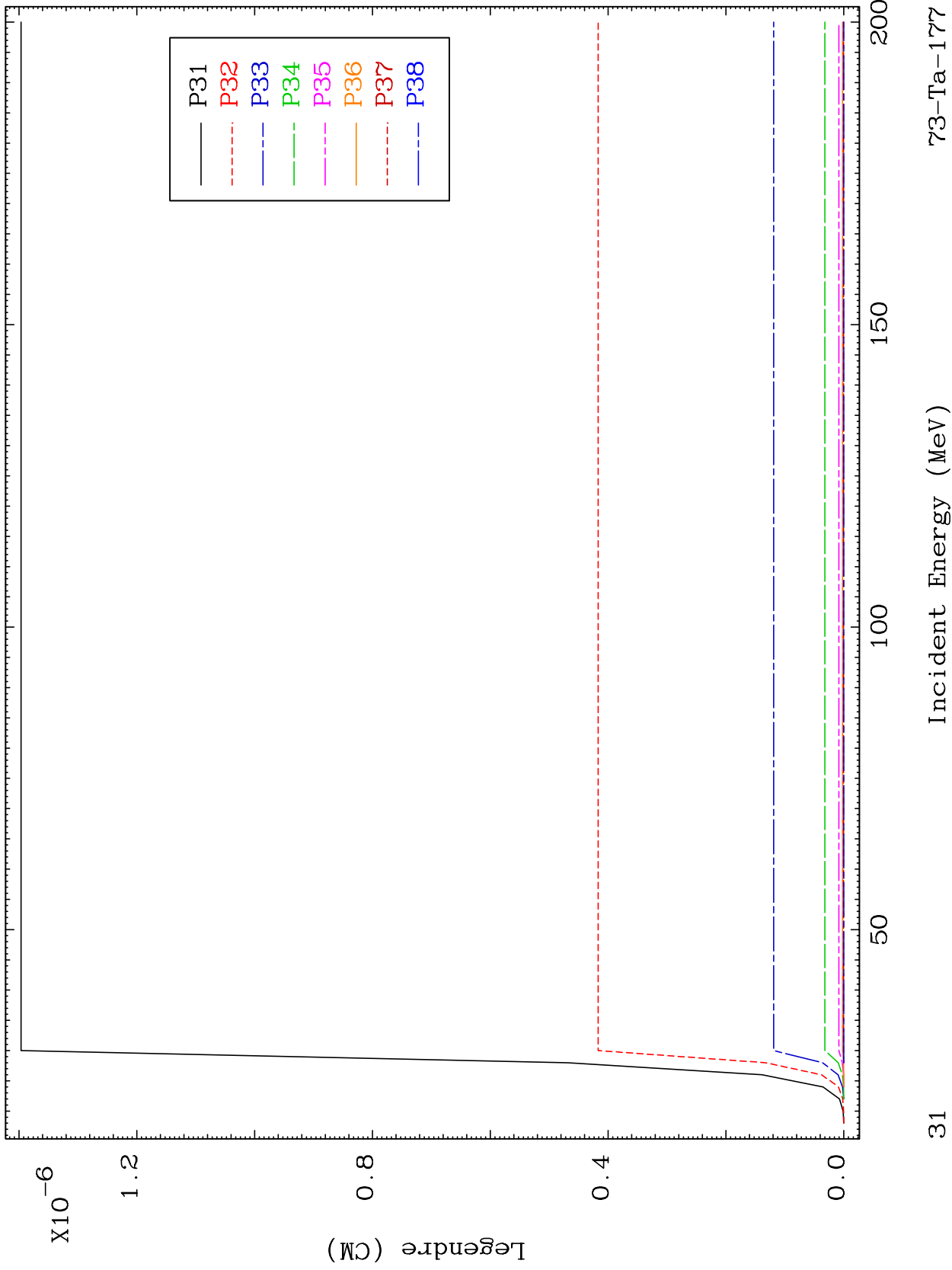
Incident Energy (MeV)

30

MAT 7316

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

73-Ta-177

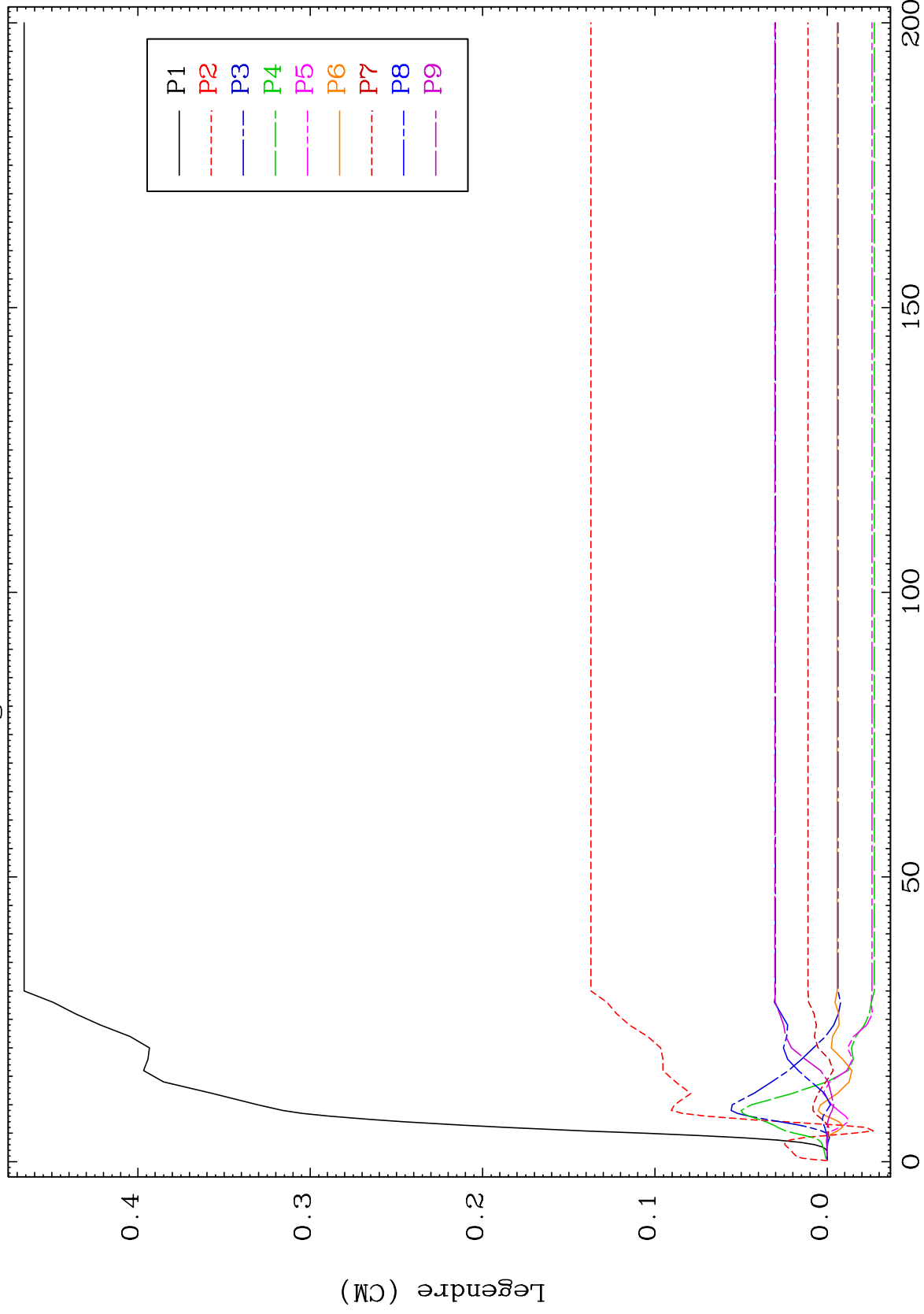


31

MAT 7316

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

73-Ta-177



32

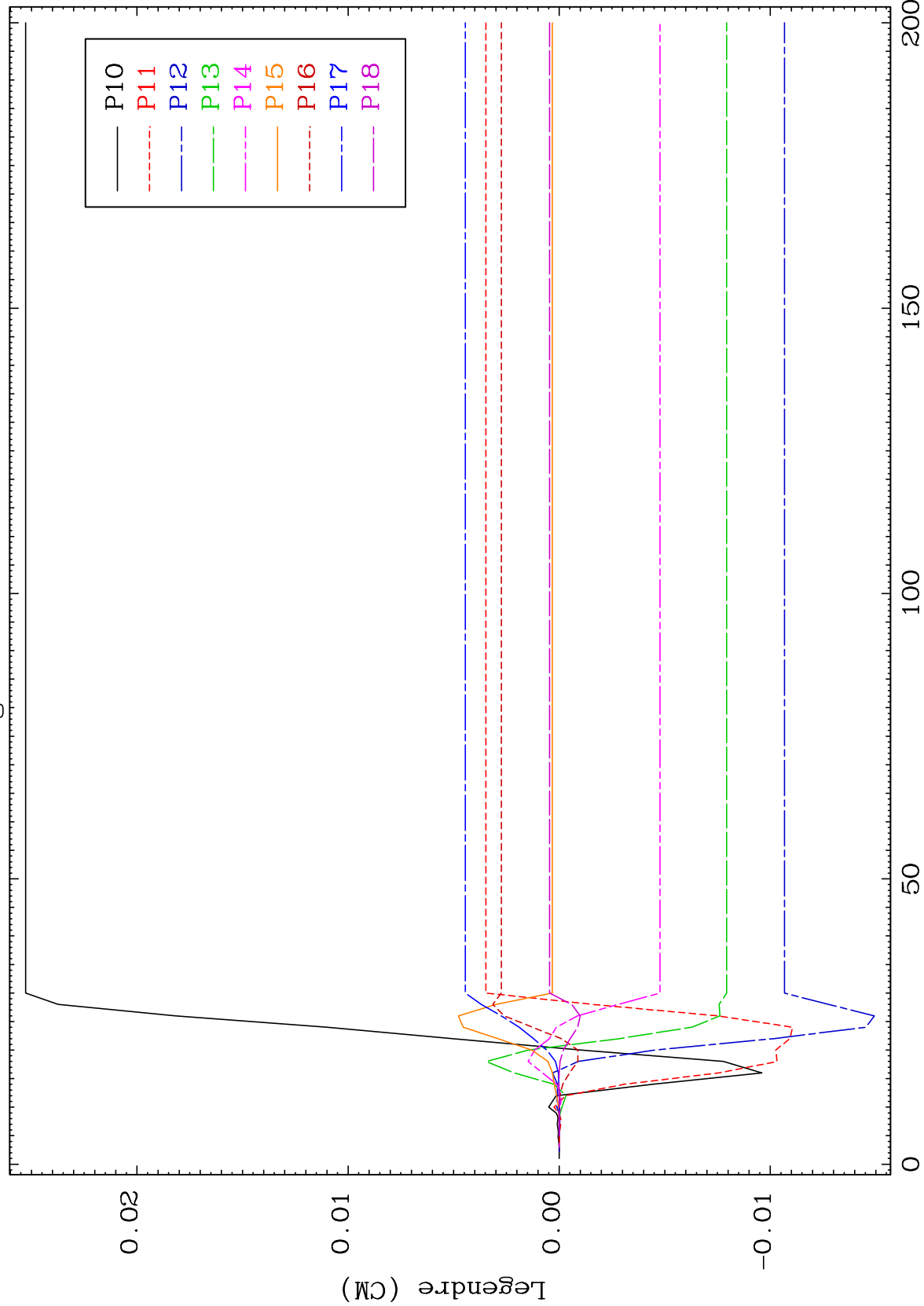
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



33

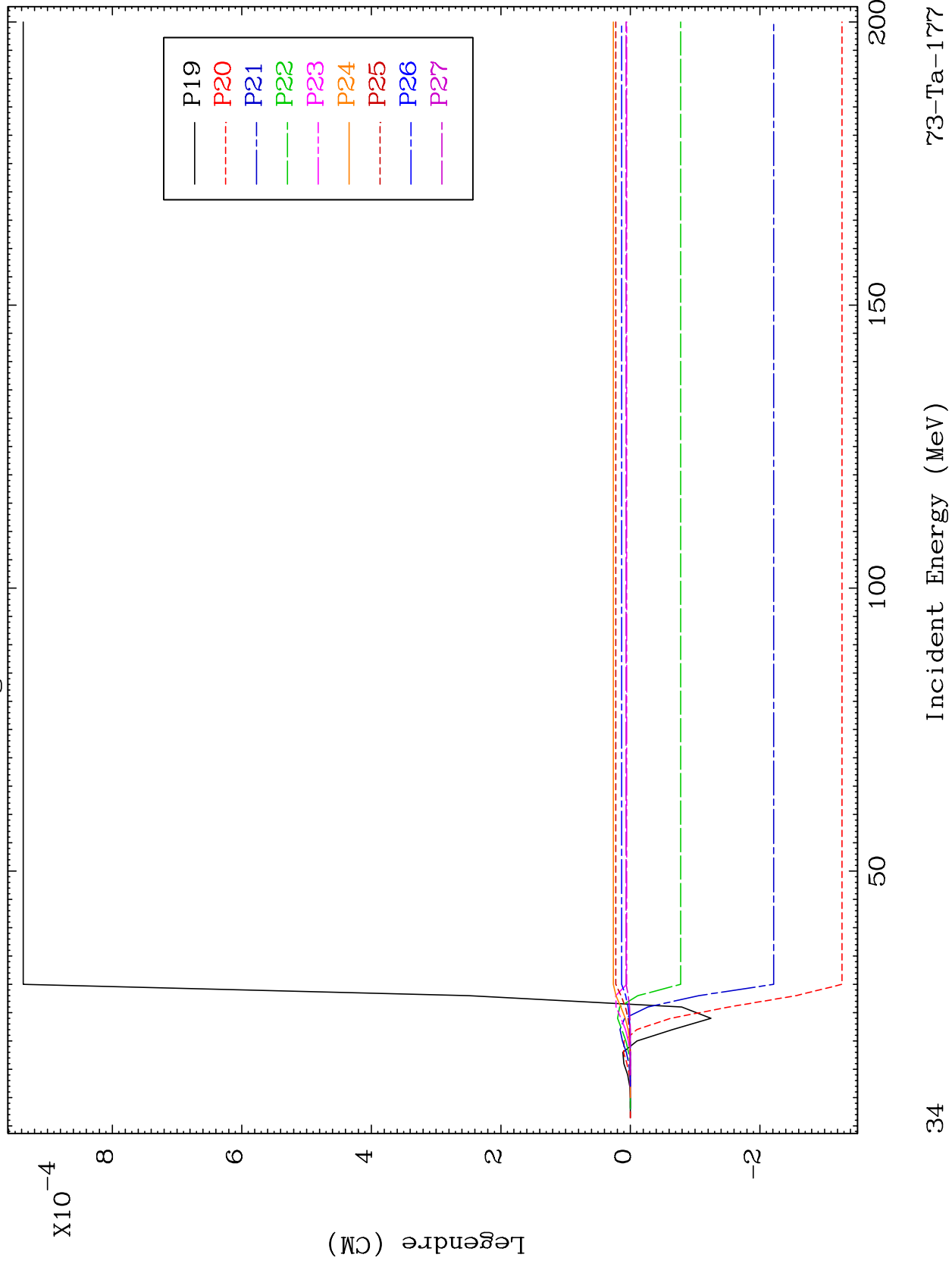
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

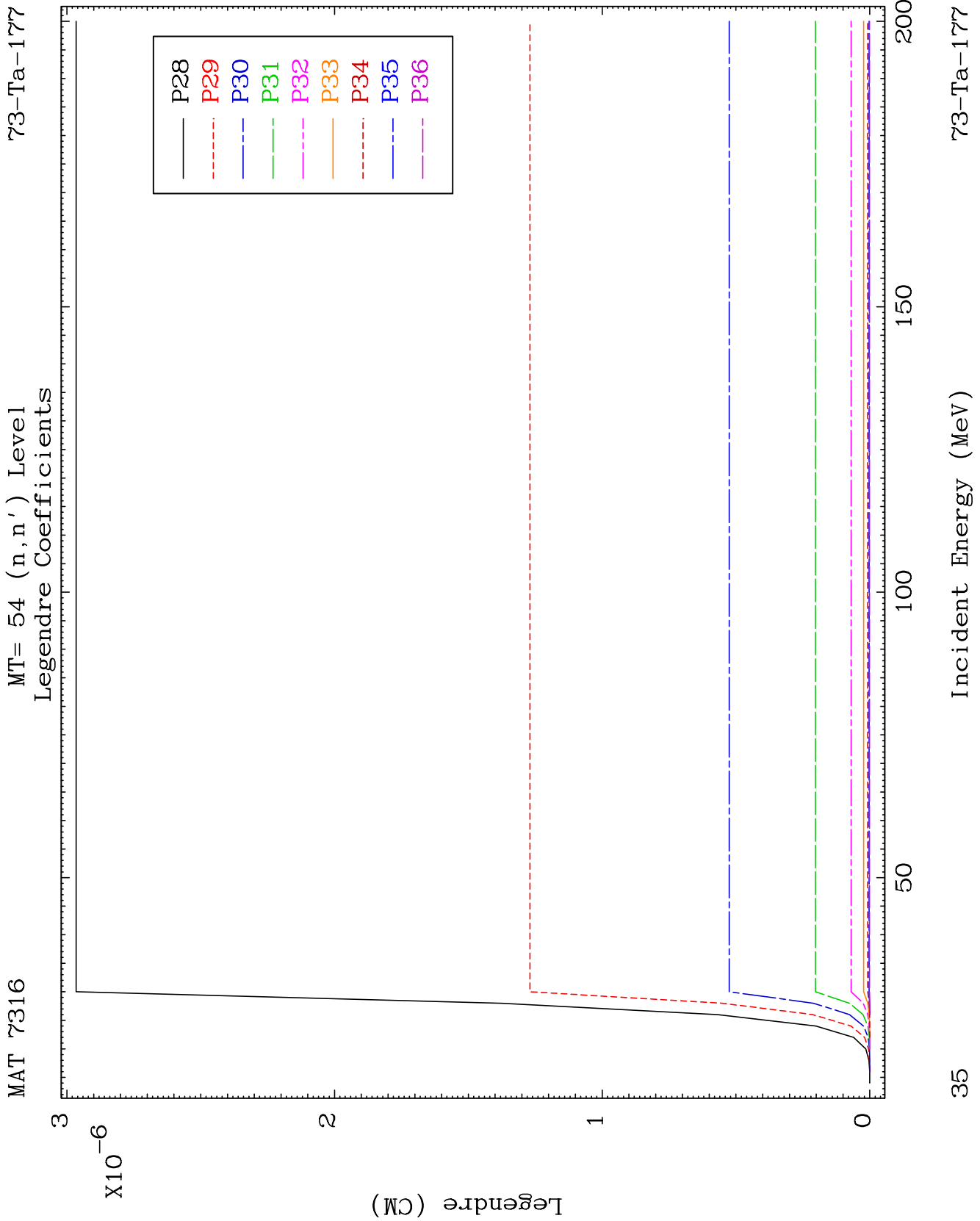
73-Ta-177



34

Incident Energy (MeV)

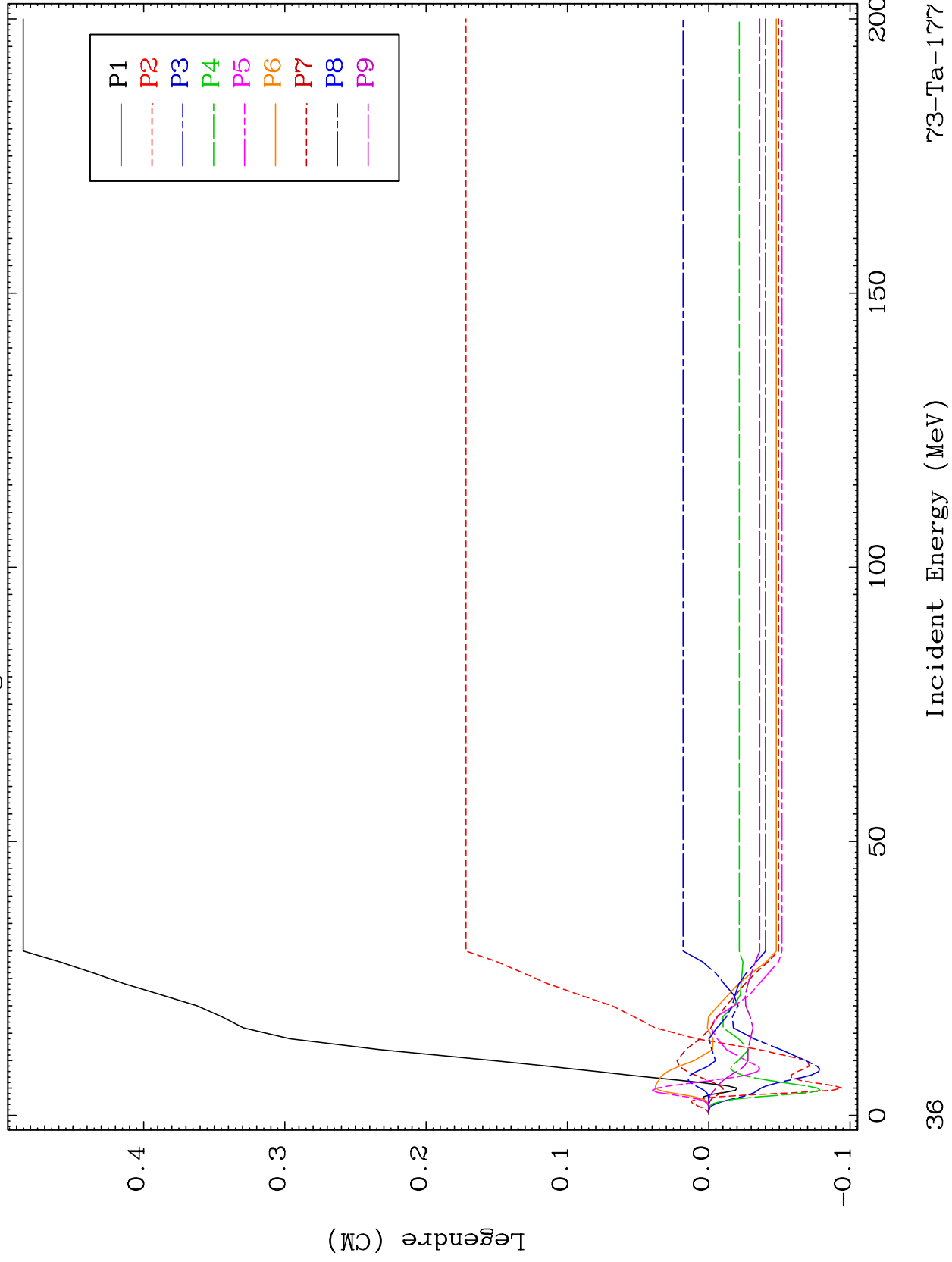
73-Ta-177



MAT 7316

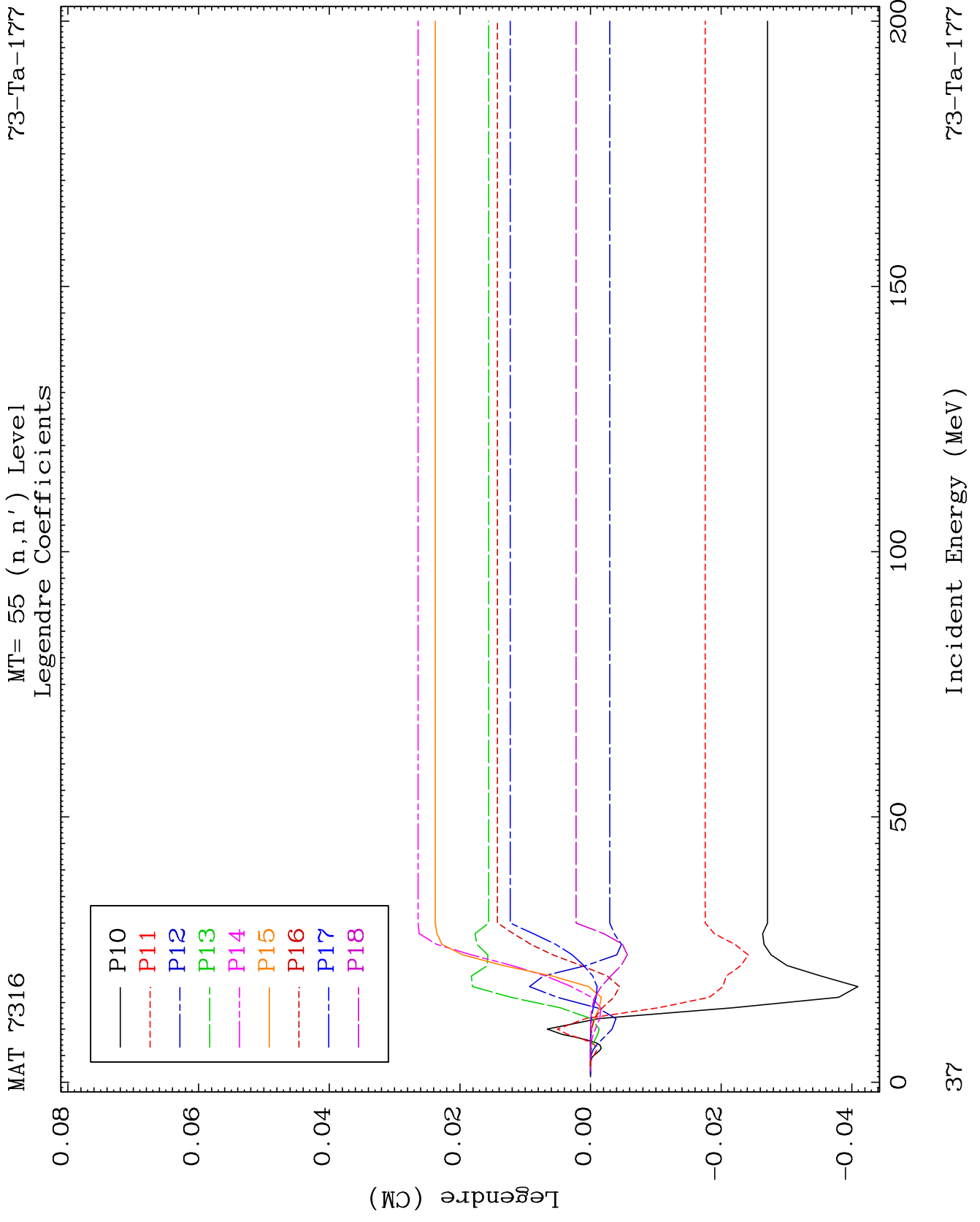
MT= 55 (n,n') Level
Legendre Coefficients

⁷³Ta-177



36

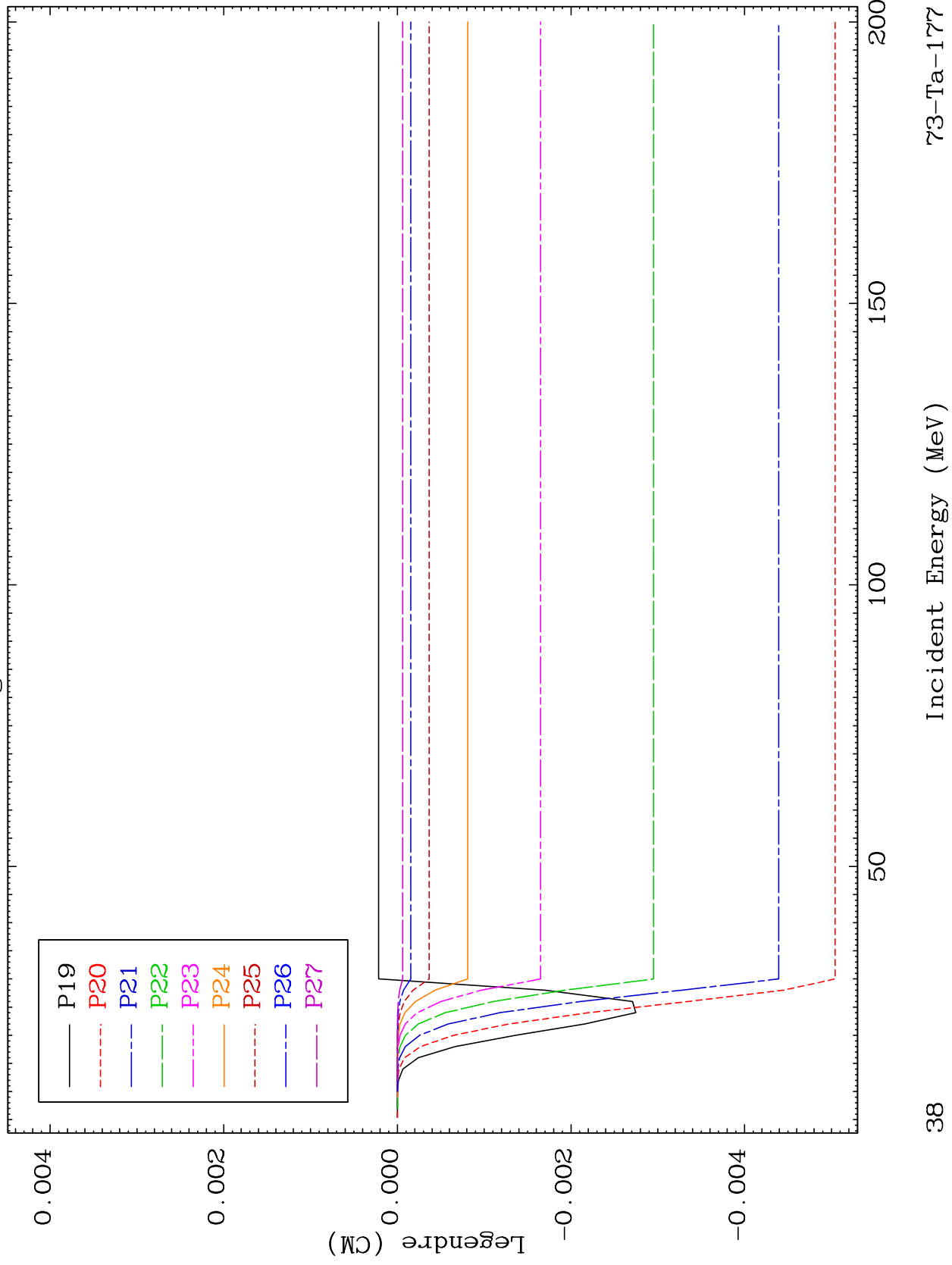
⁷³Ta-177



MAT 7316

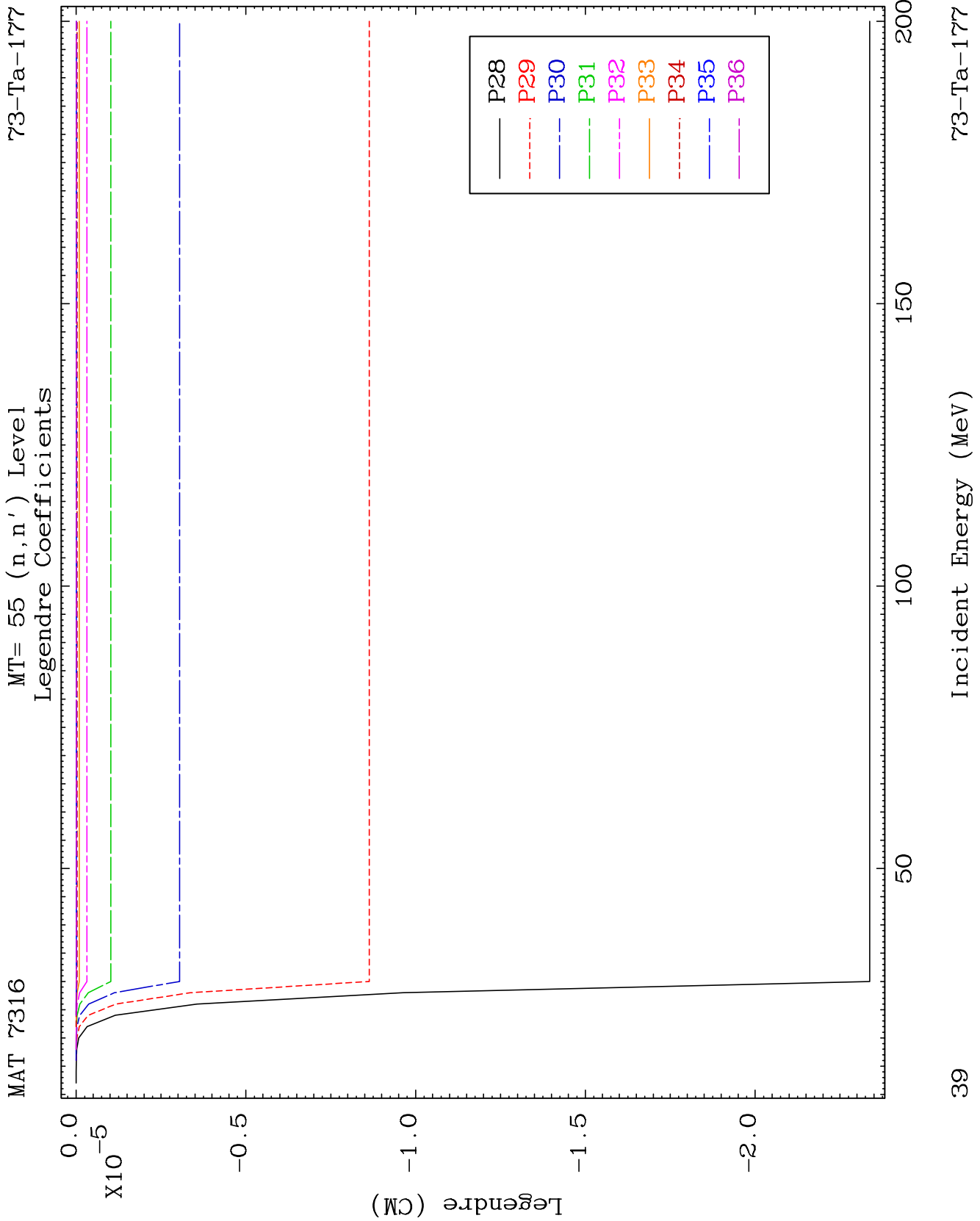
MT= 55 (n,n') Level
Legendre Coefficients

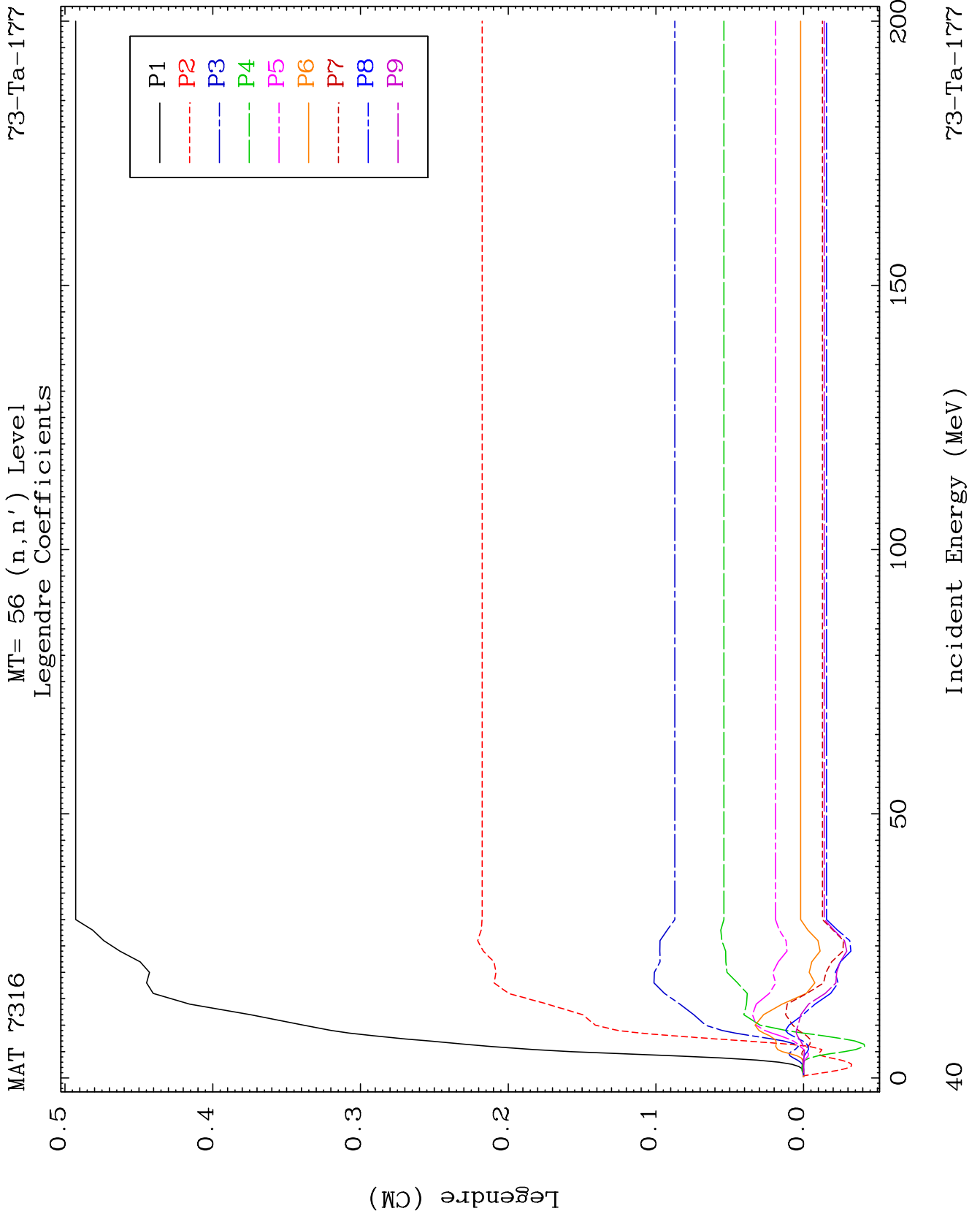
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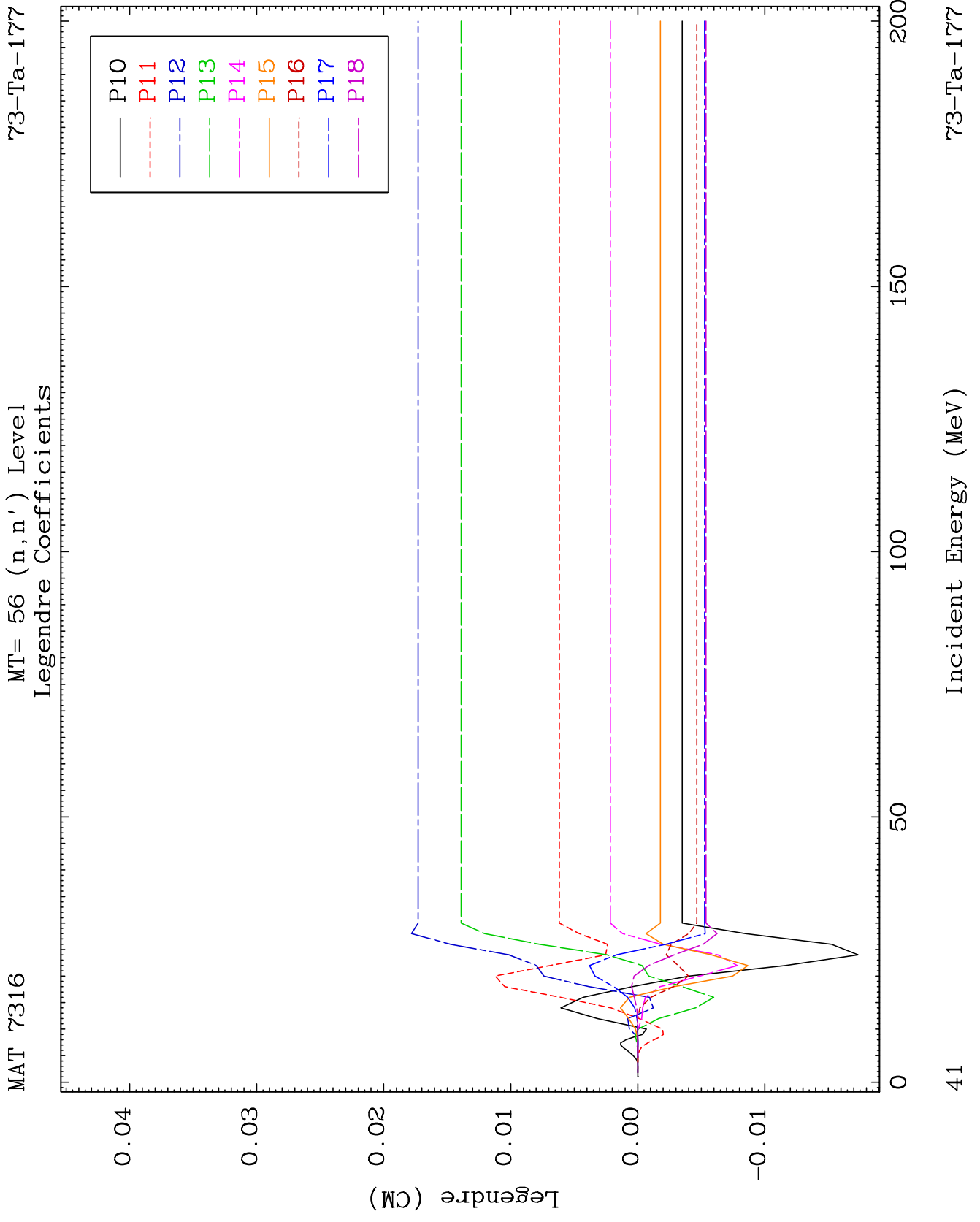


38

73-Ta-177



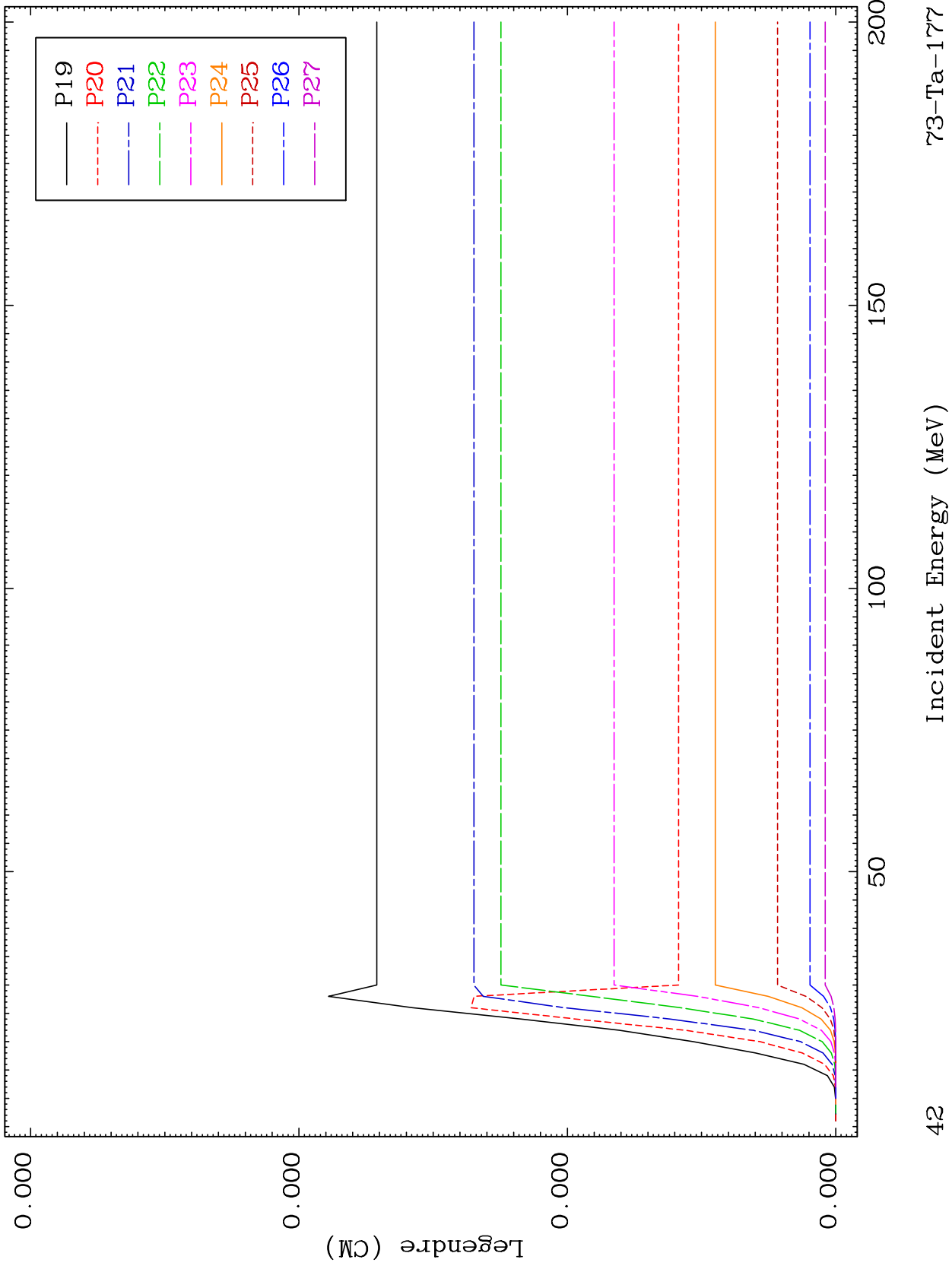




MAT 7316

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

73-Ta-177



42

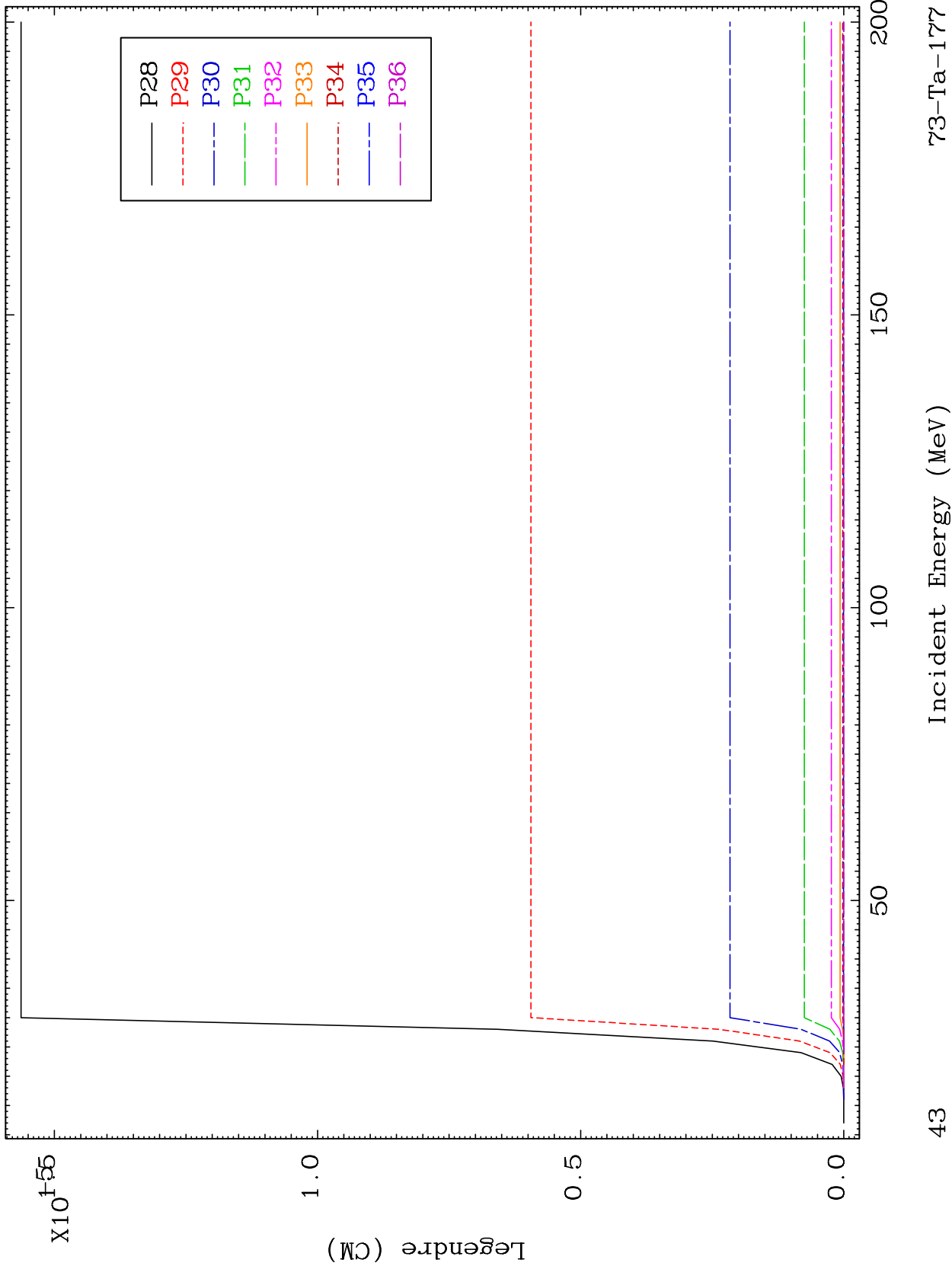
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



43

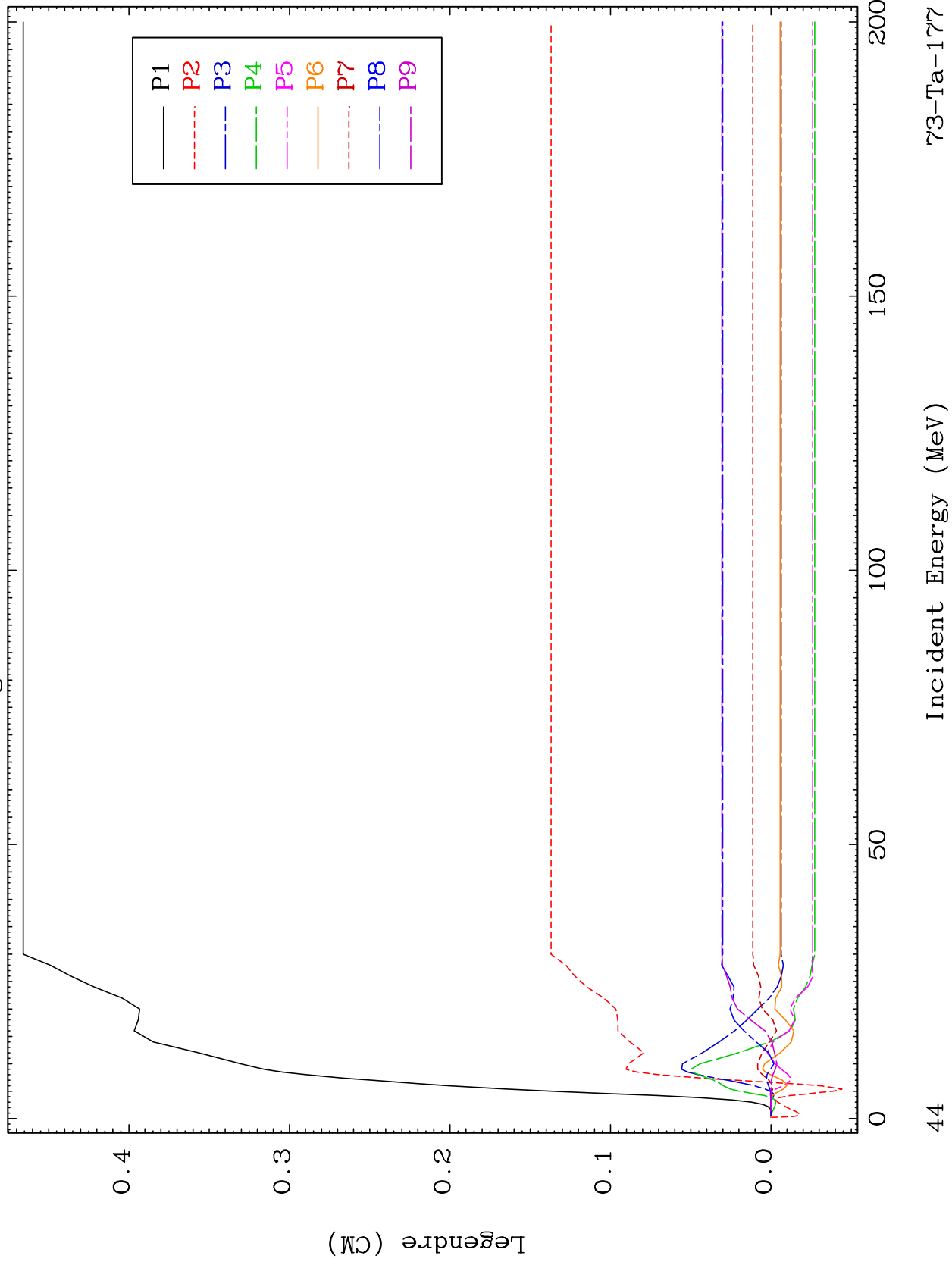
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



44

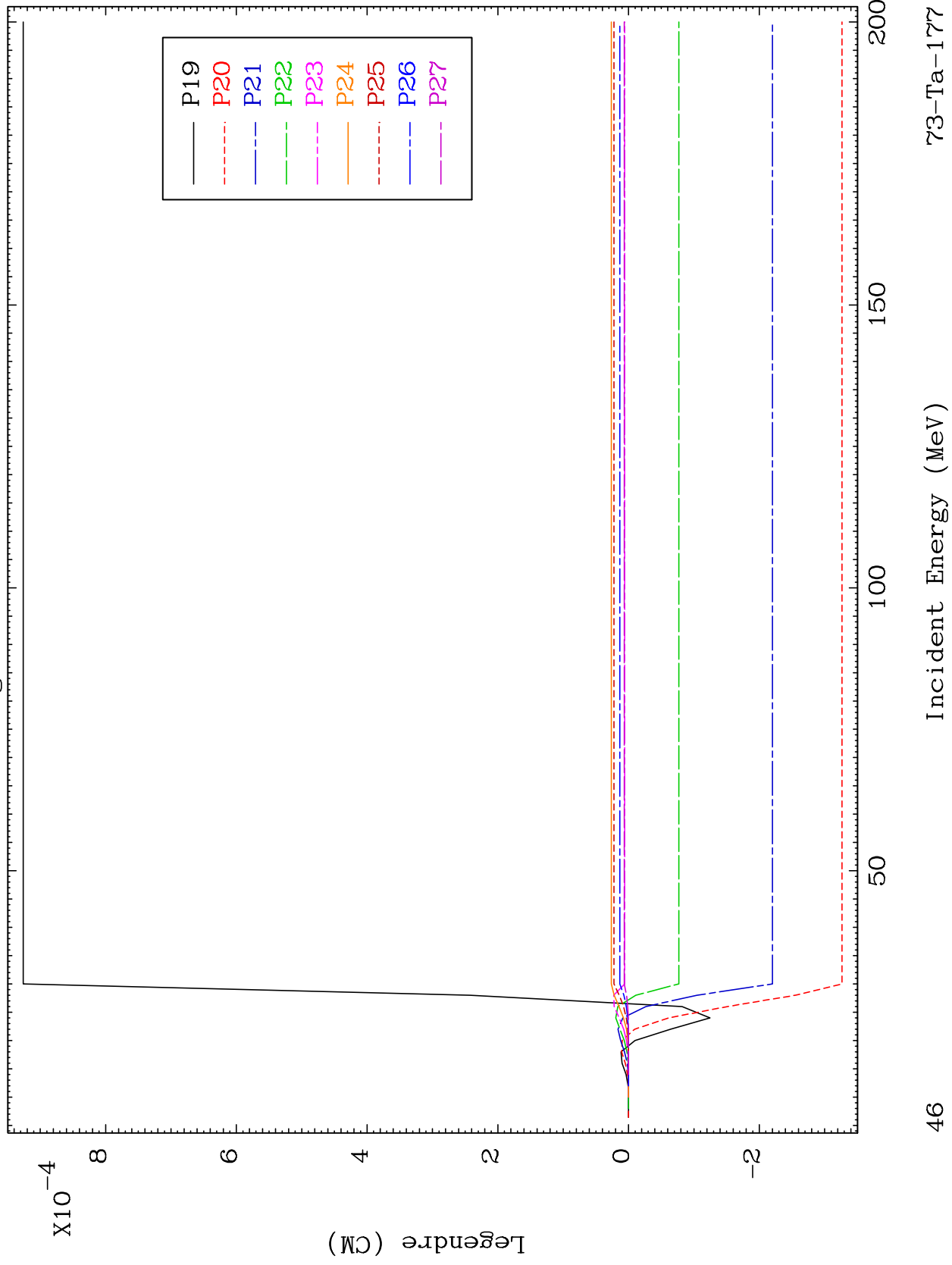
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

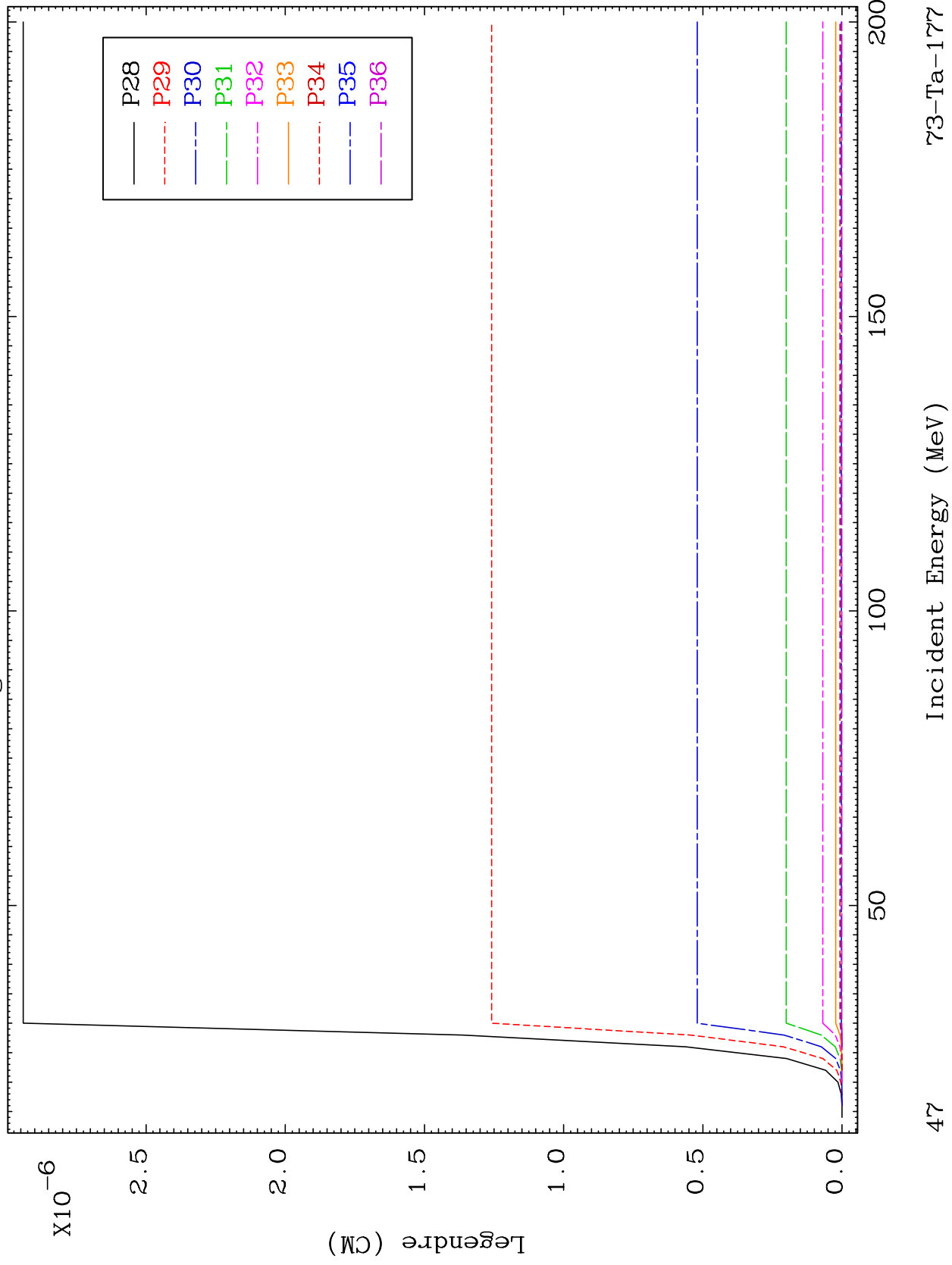
73-Ta-177



MAT 7316

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

73-Ta-177



47

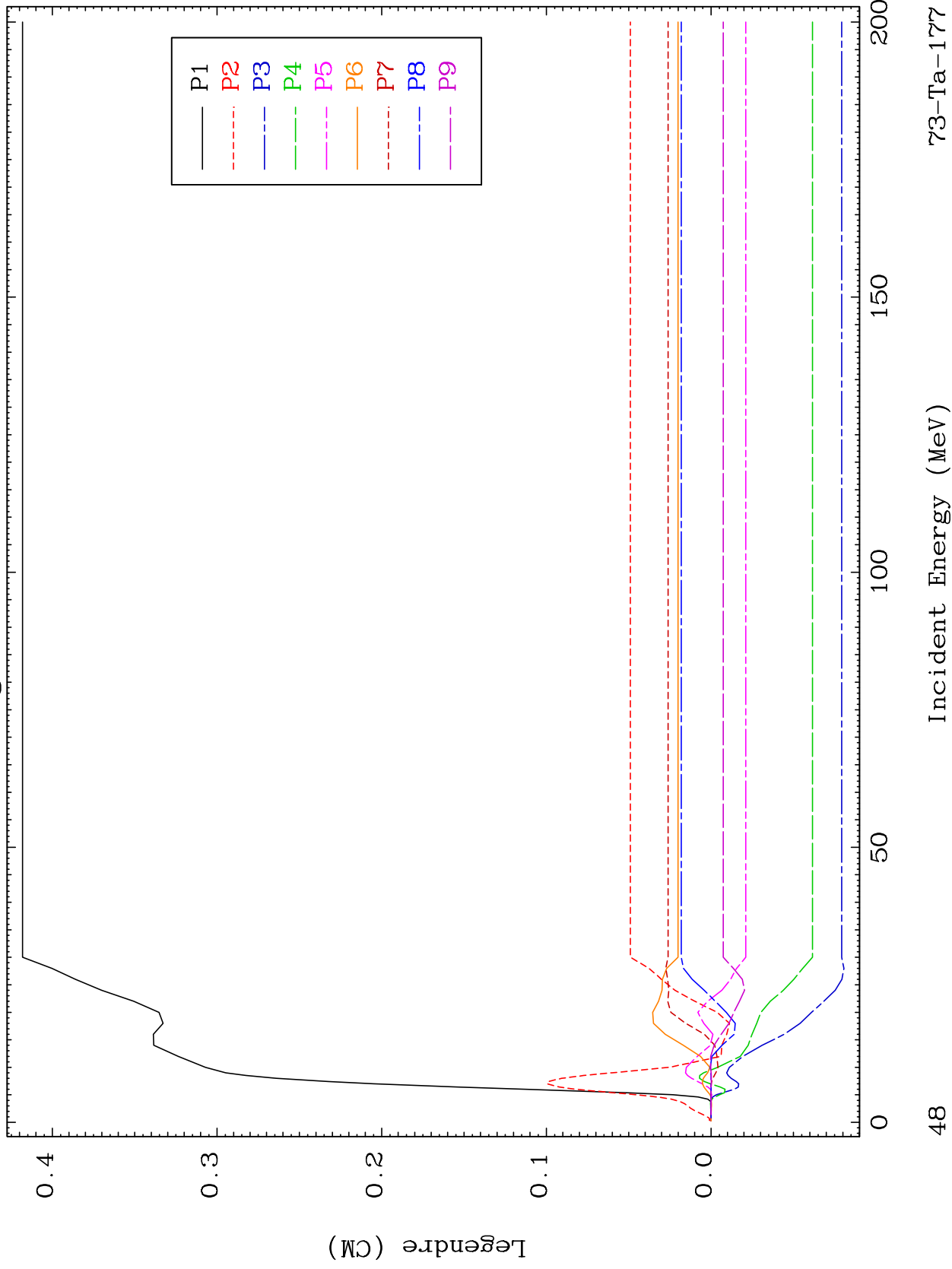
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

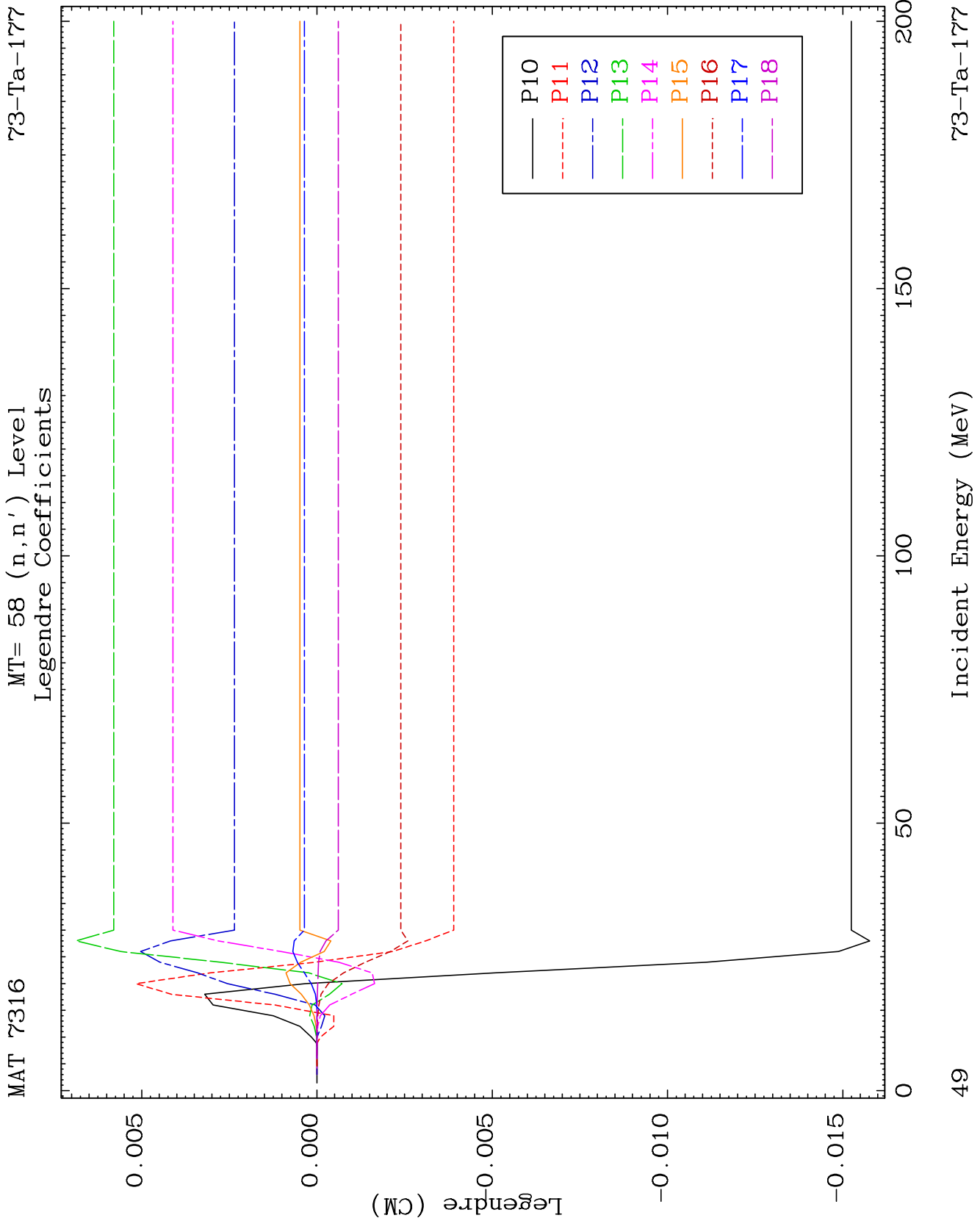
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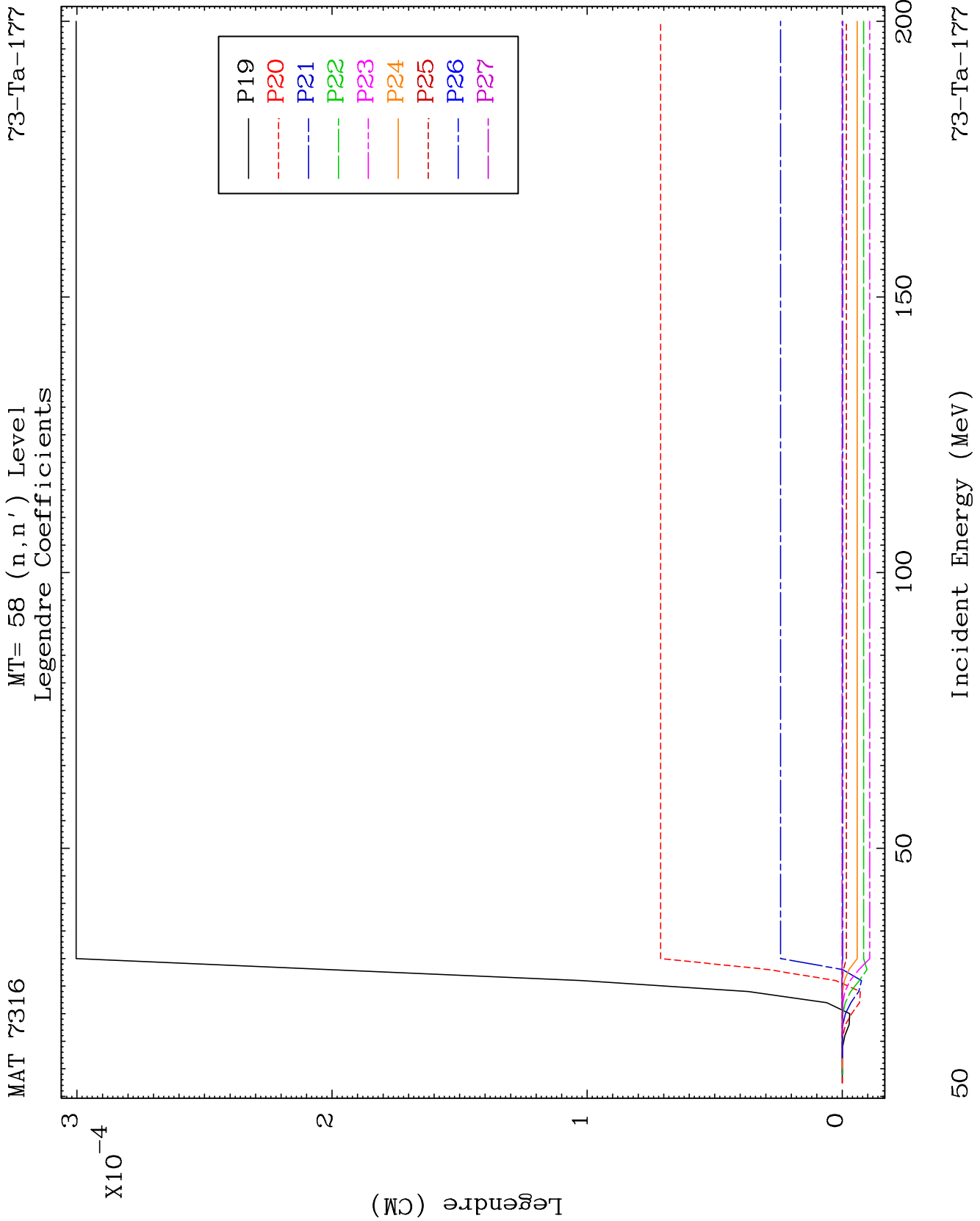


73-Ta-177

Incident Energy (MeV)

48

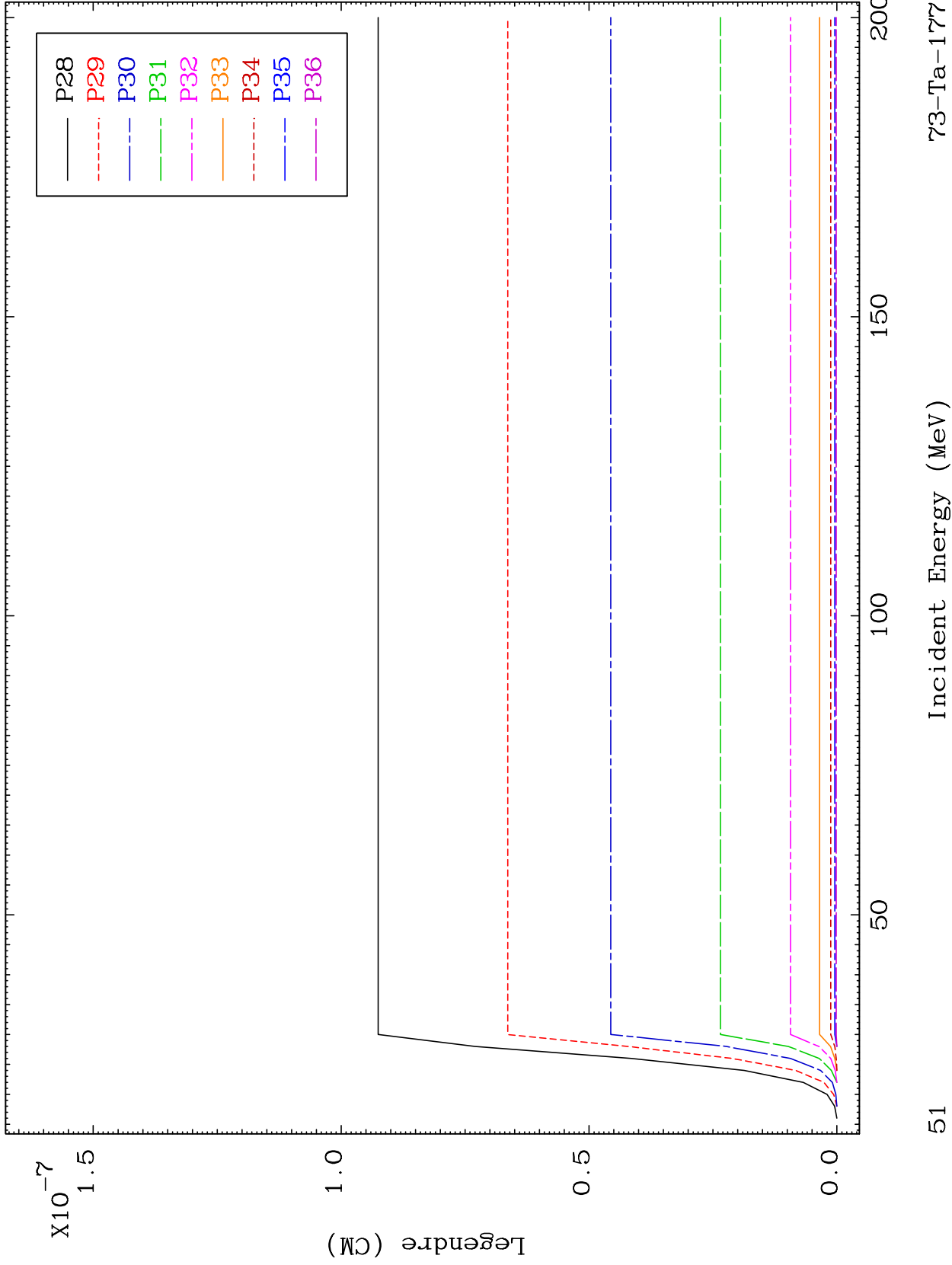




MAT 7316

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

73-Ta-177



51

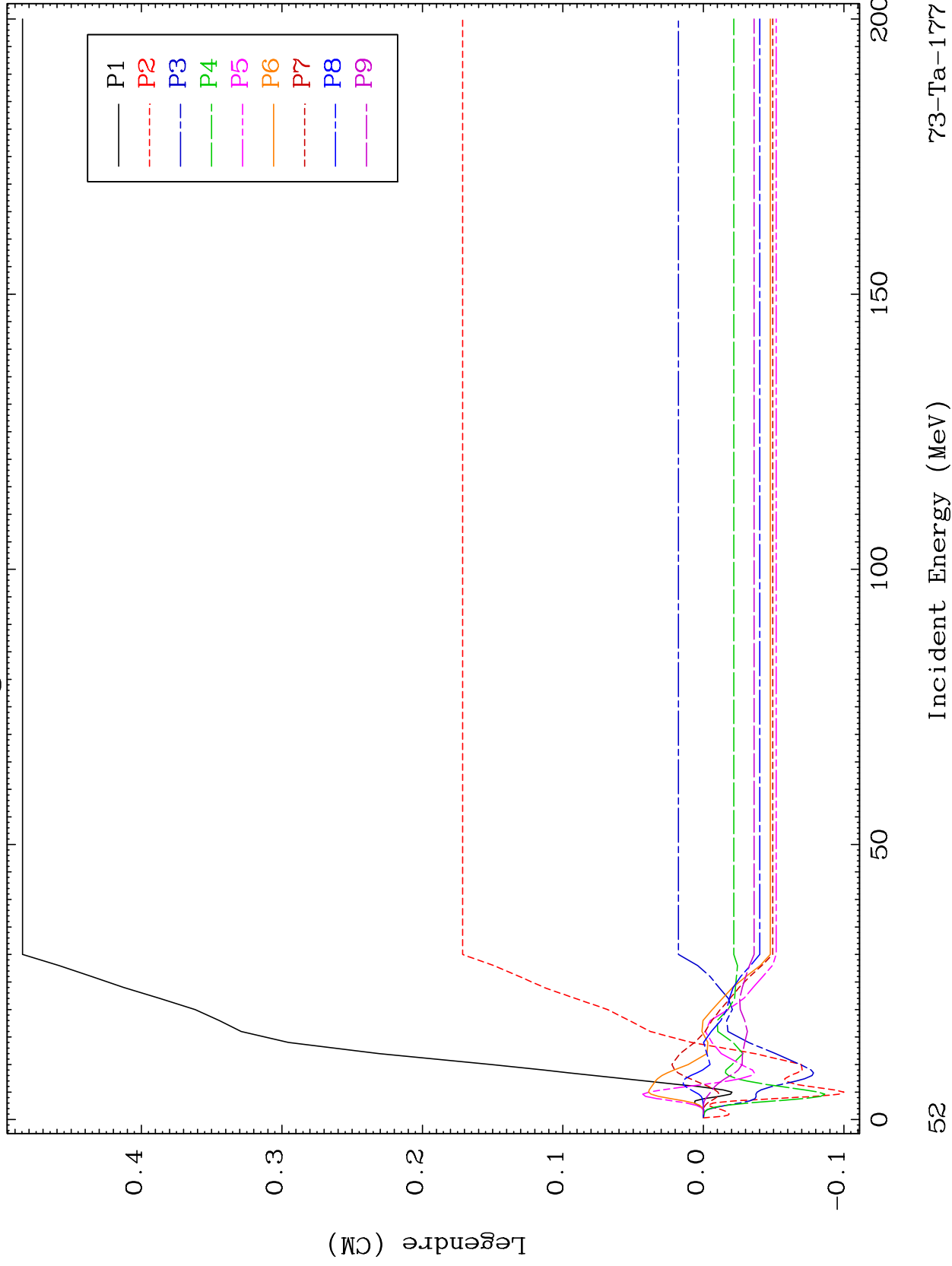
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



73-Ta-177

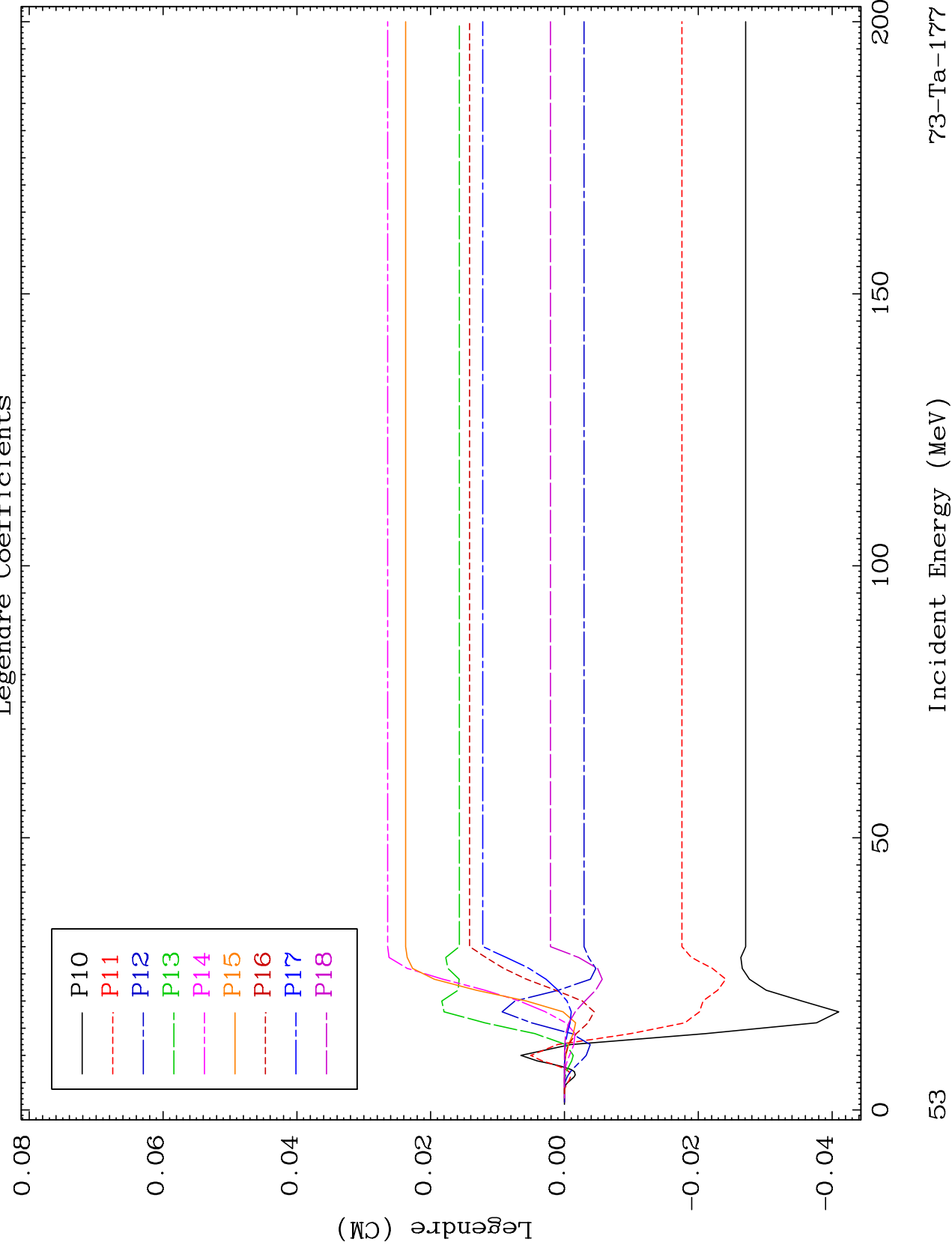
Incident Energy (MeV)

52

MAT 7316

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

73-Ta-177



53

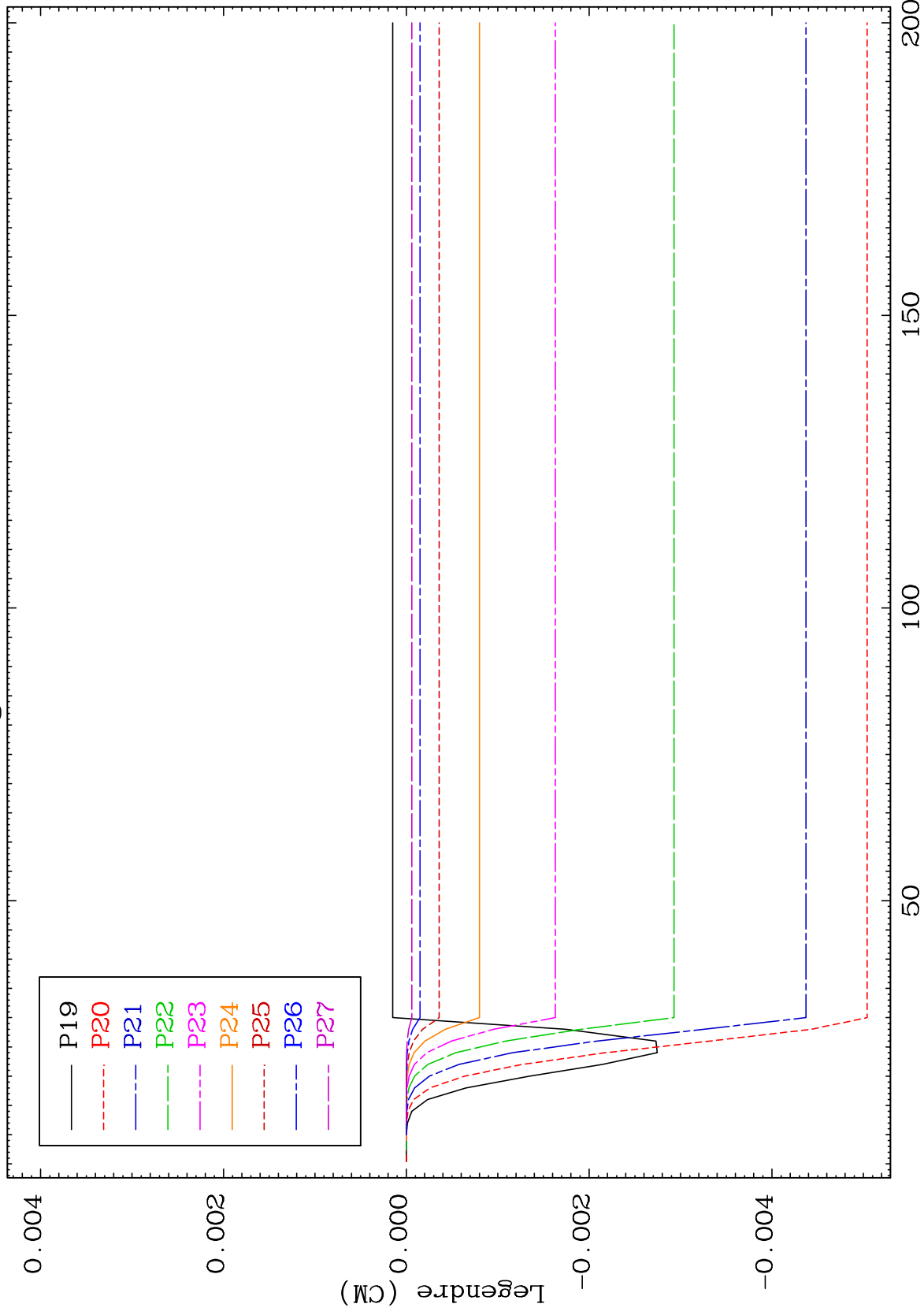
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

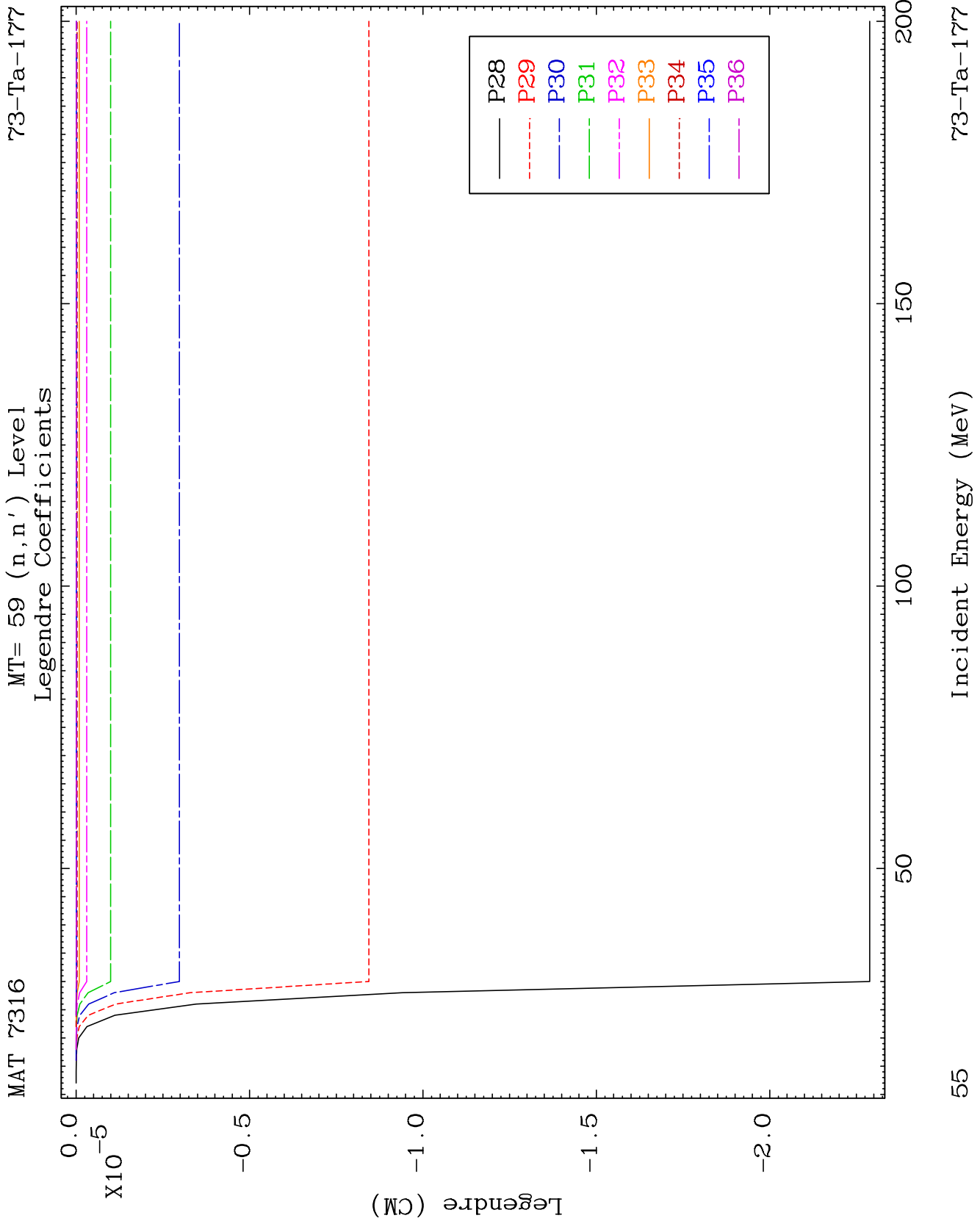
73-Ta-177



54

Incident Energy (MeV)

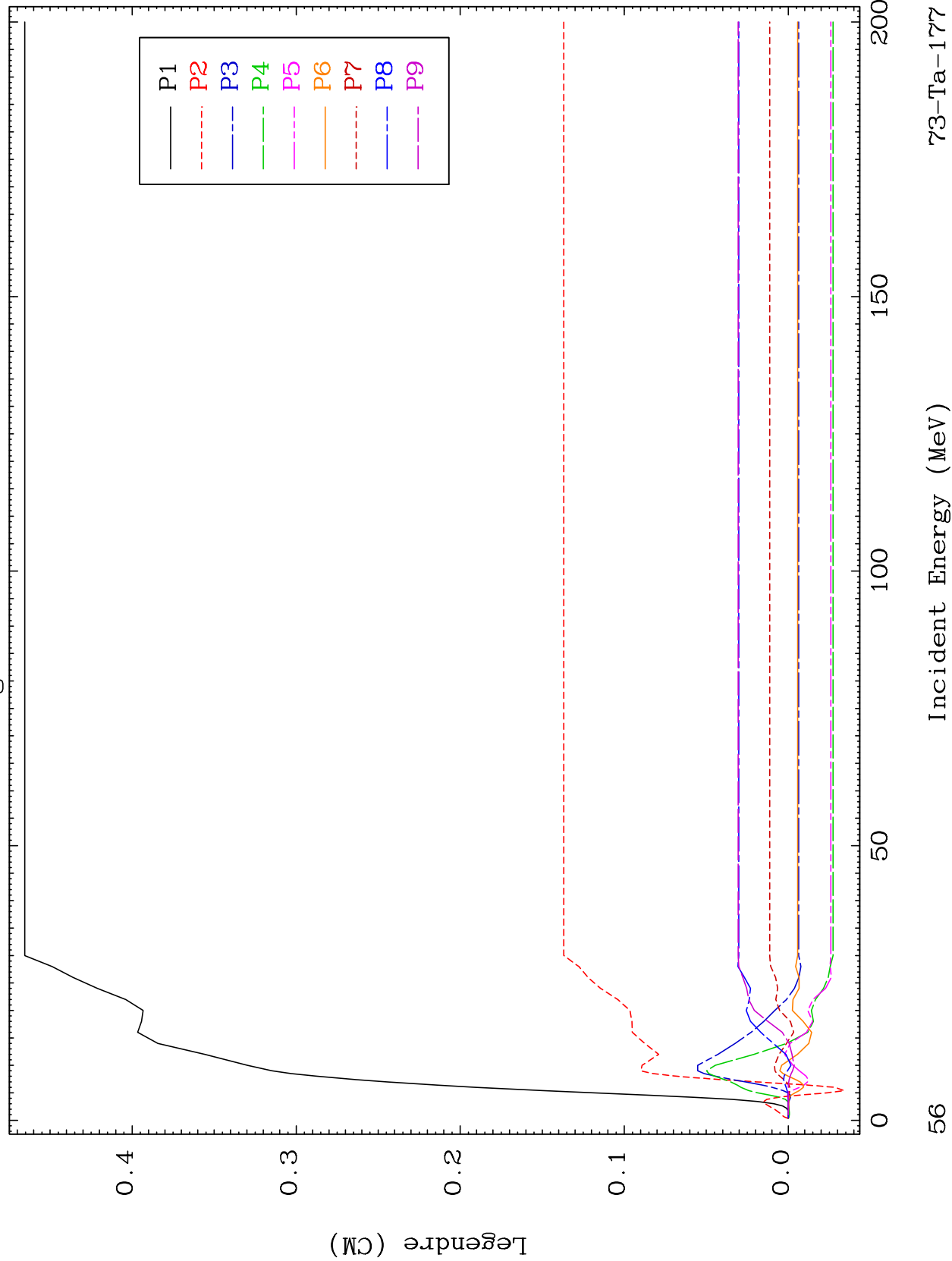
73-Ta-177



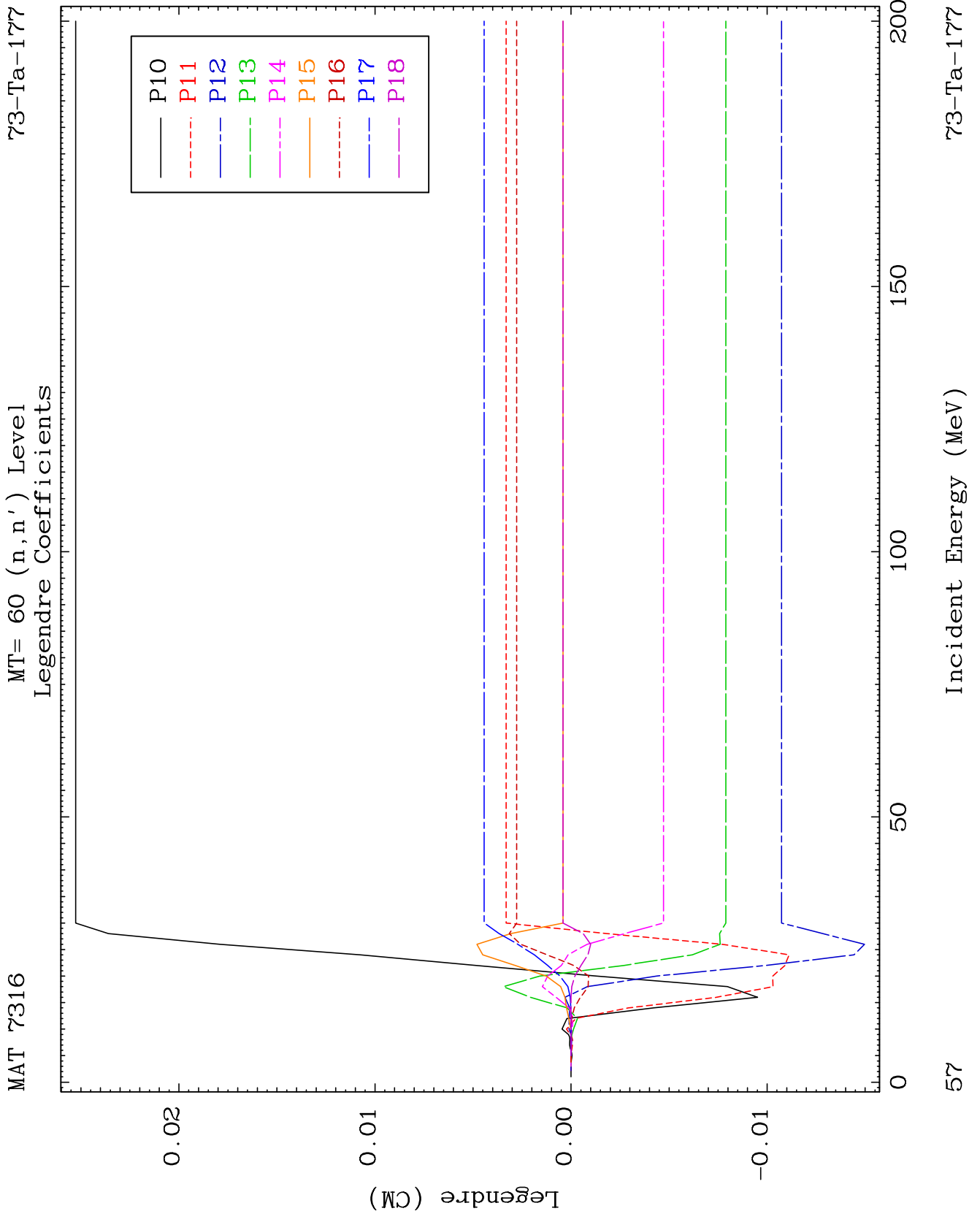
MAT 7316

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

⁷³Ta-177



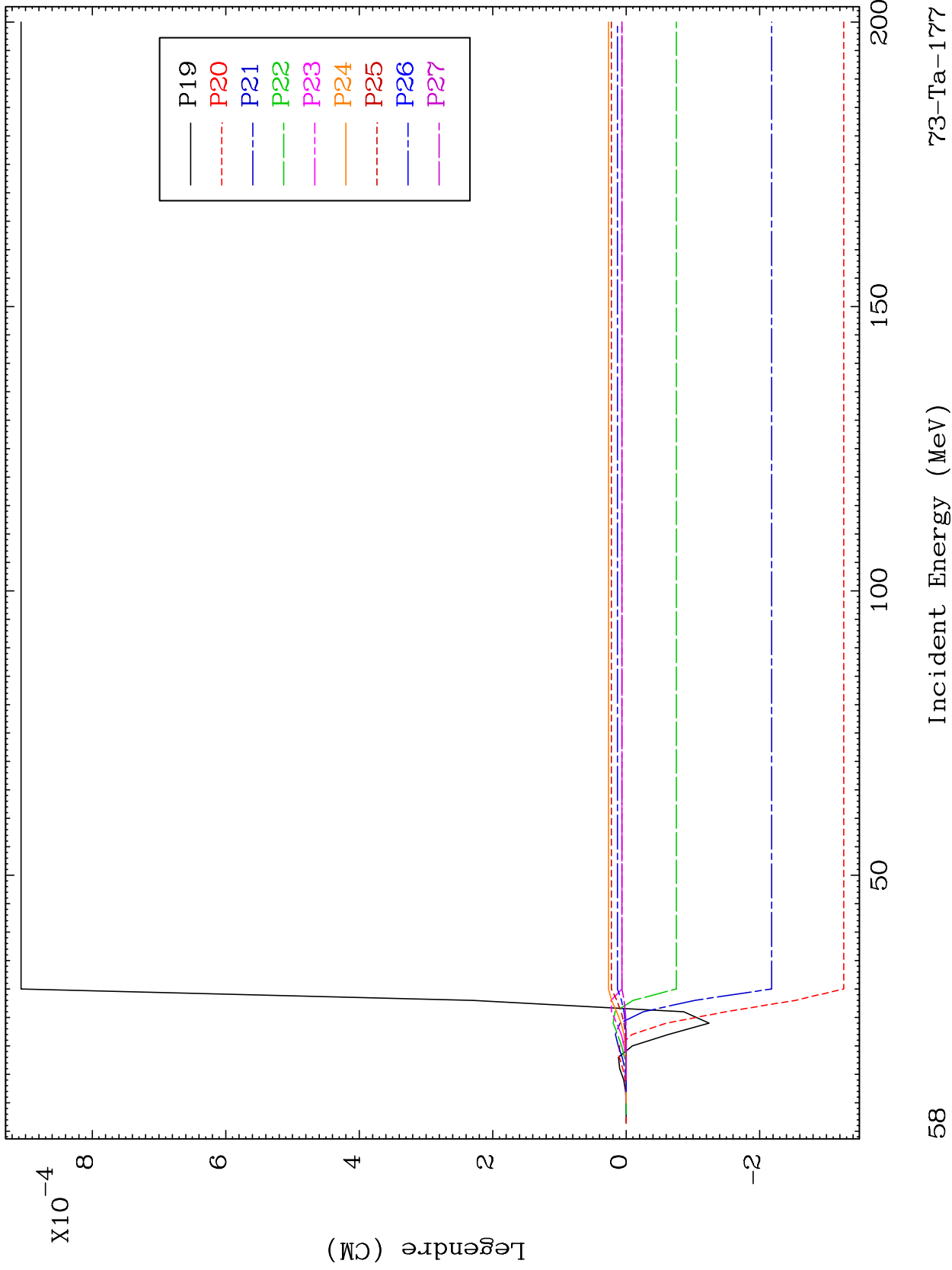
56



MAT 7316

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

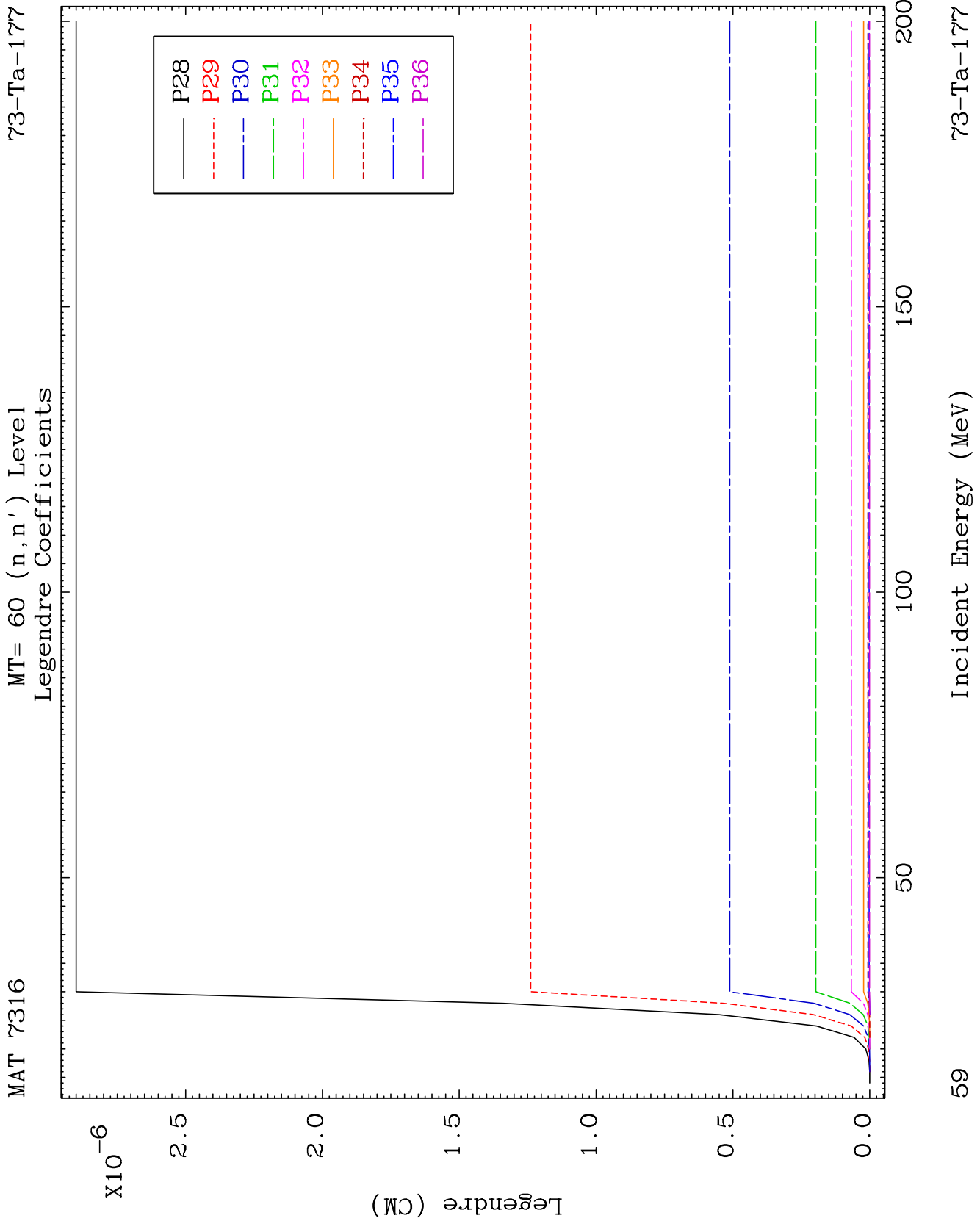
73-Ta-177

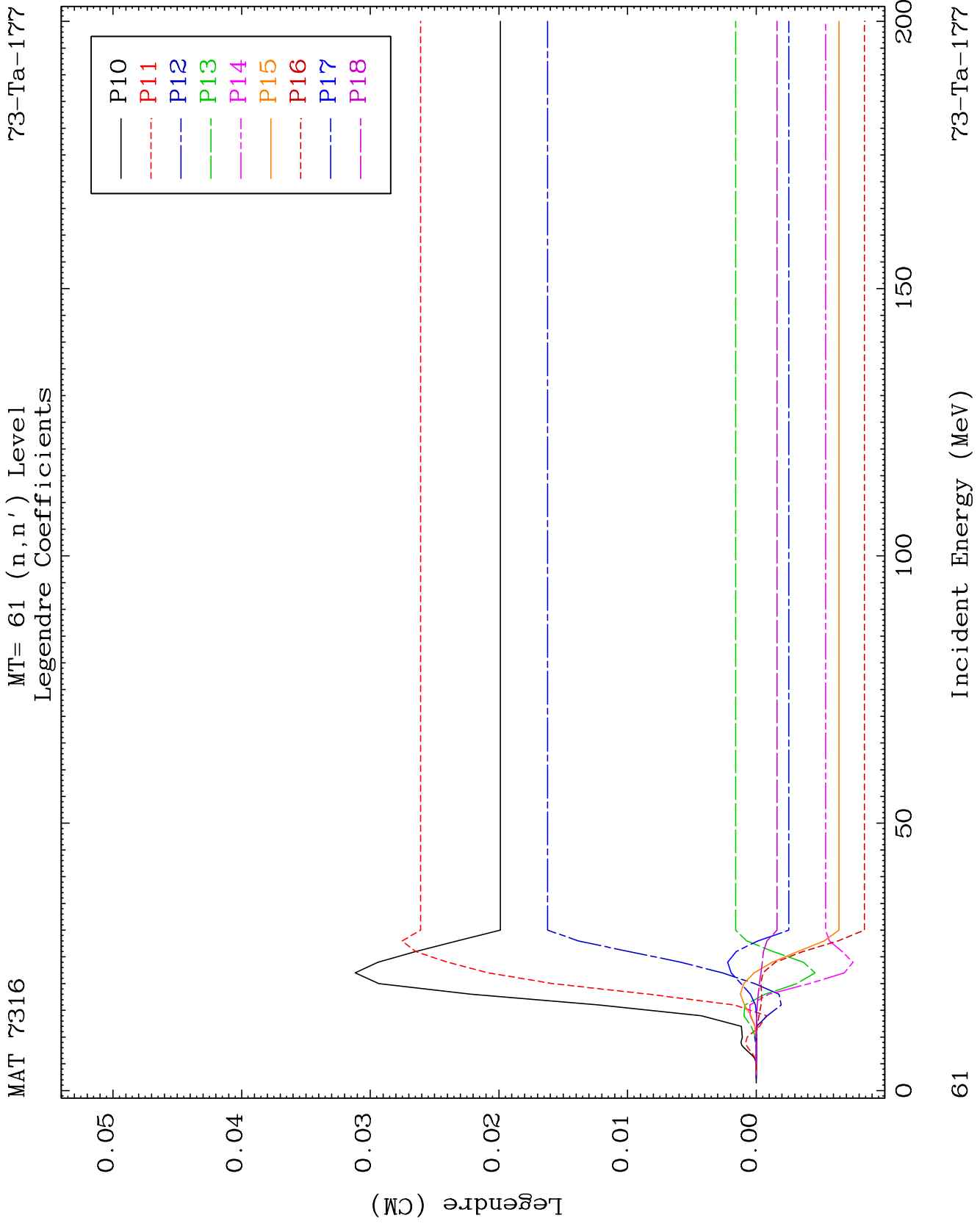


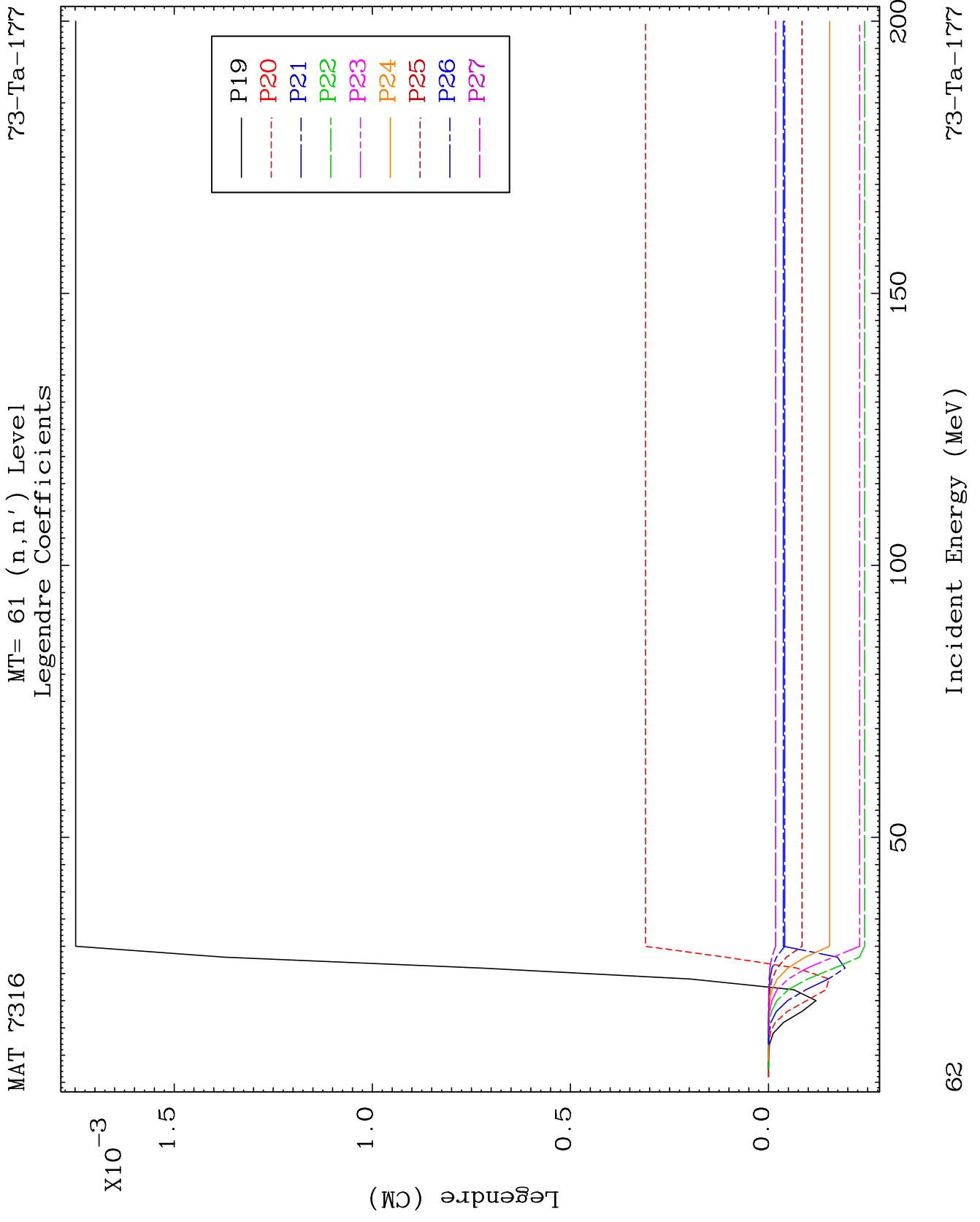
58

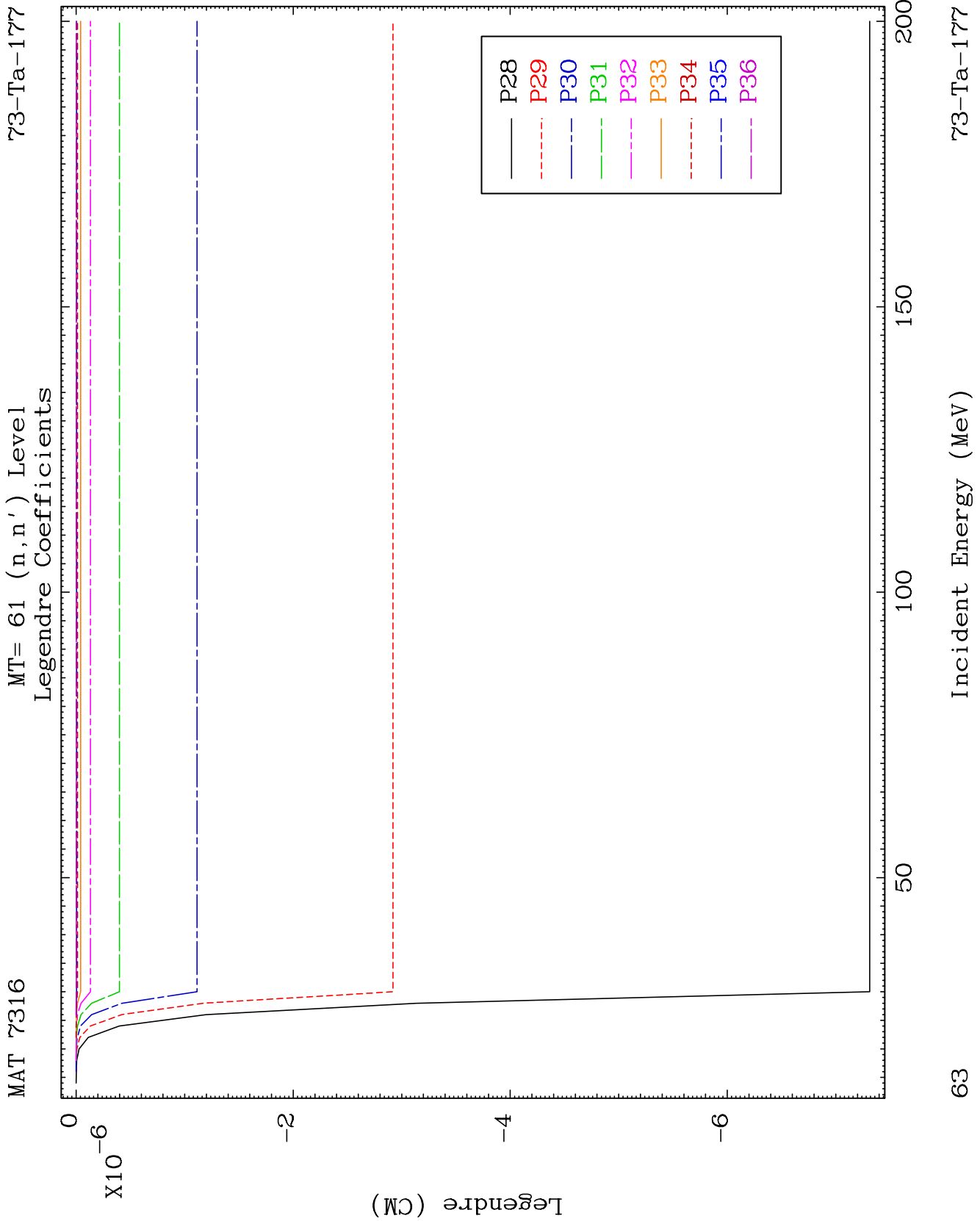
Incident Energy (MeV)

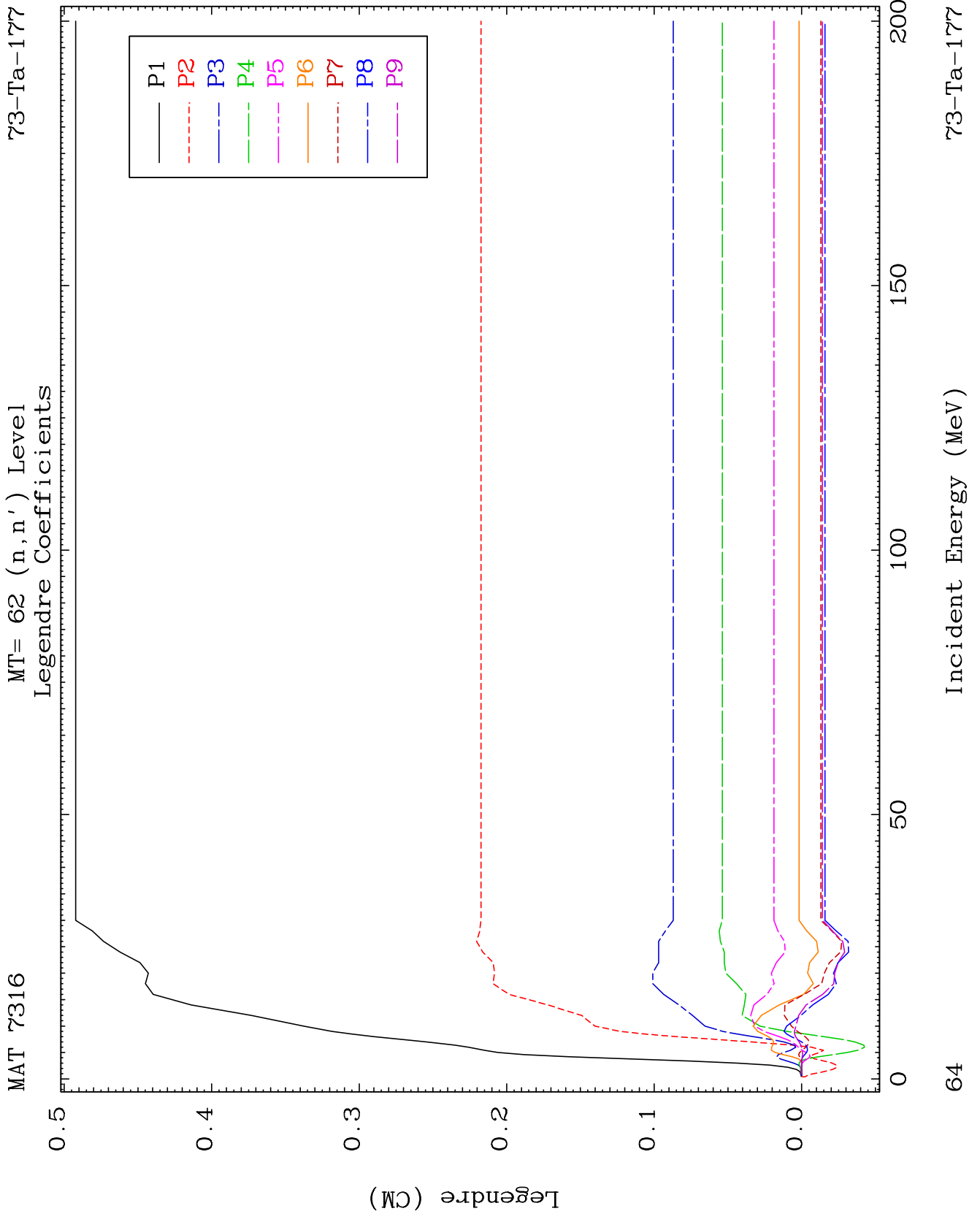
73-Ta-177

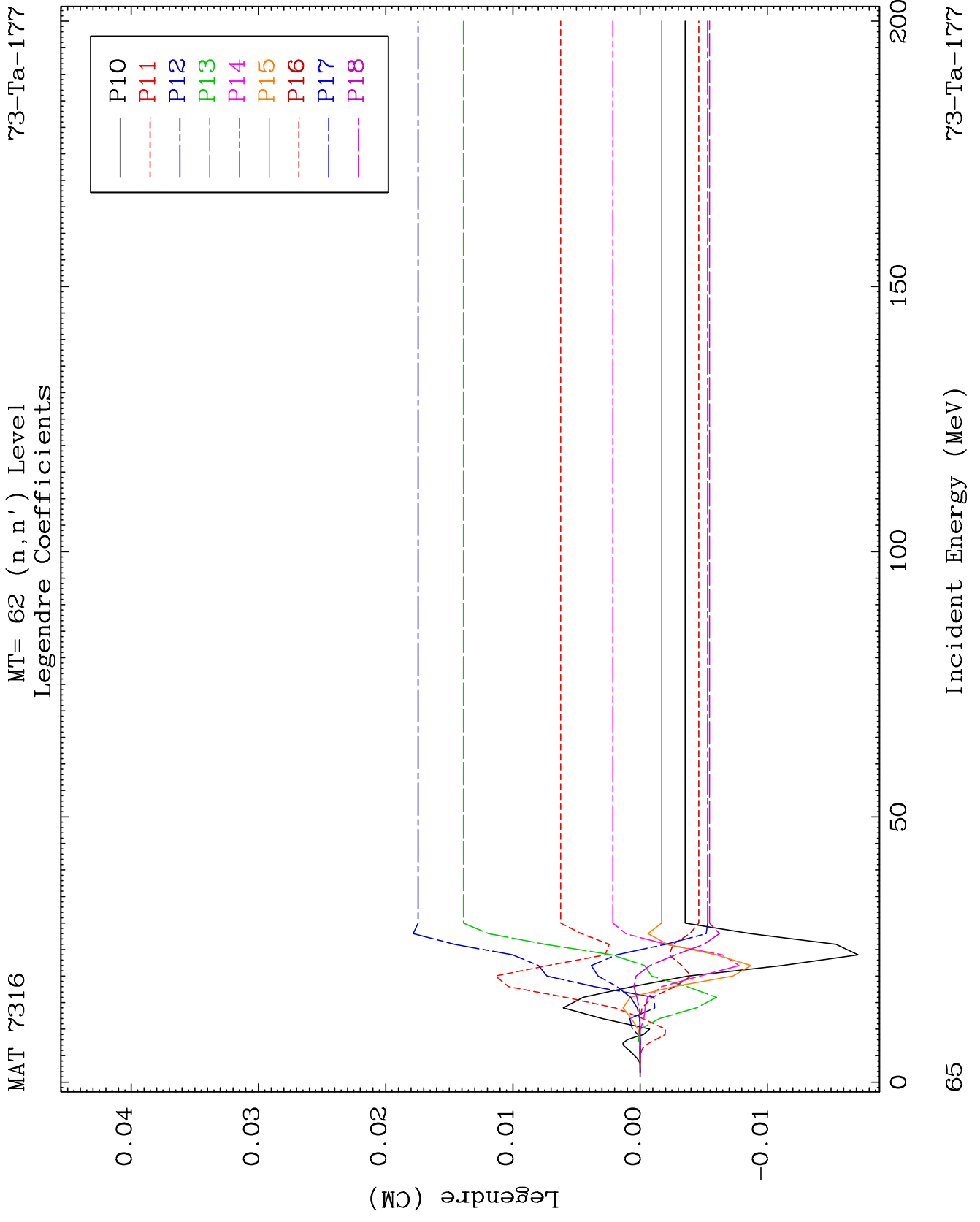








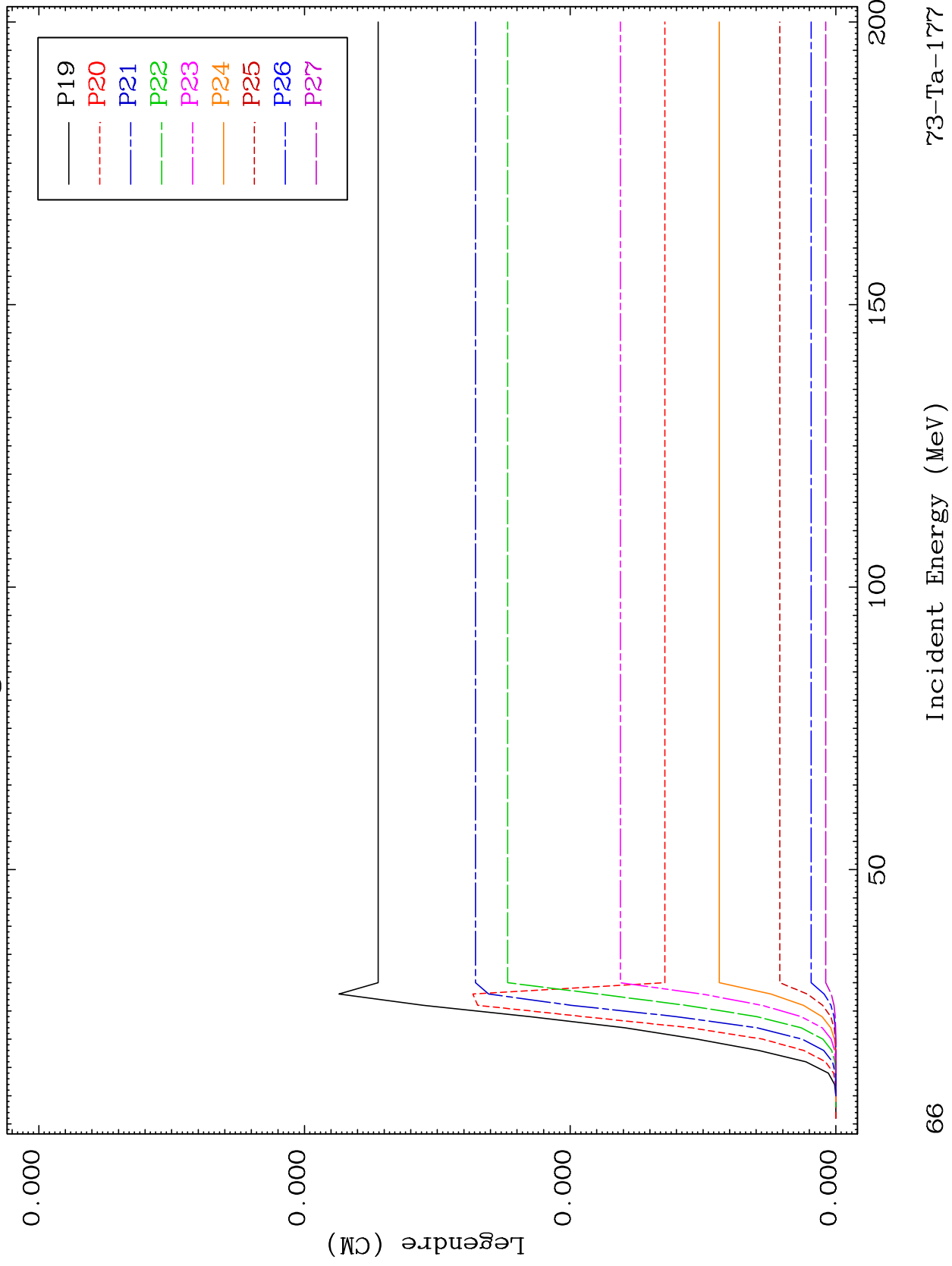




MAT 7316

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

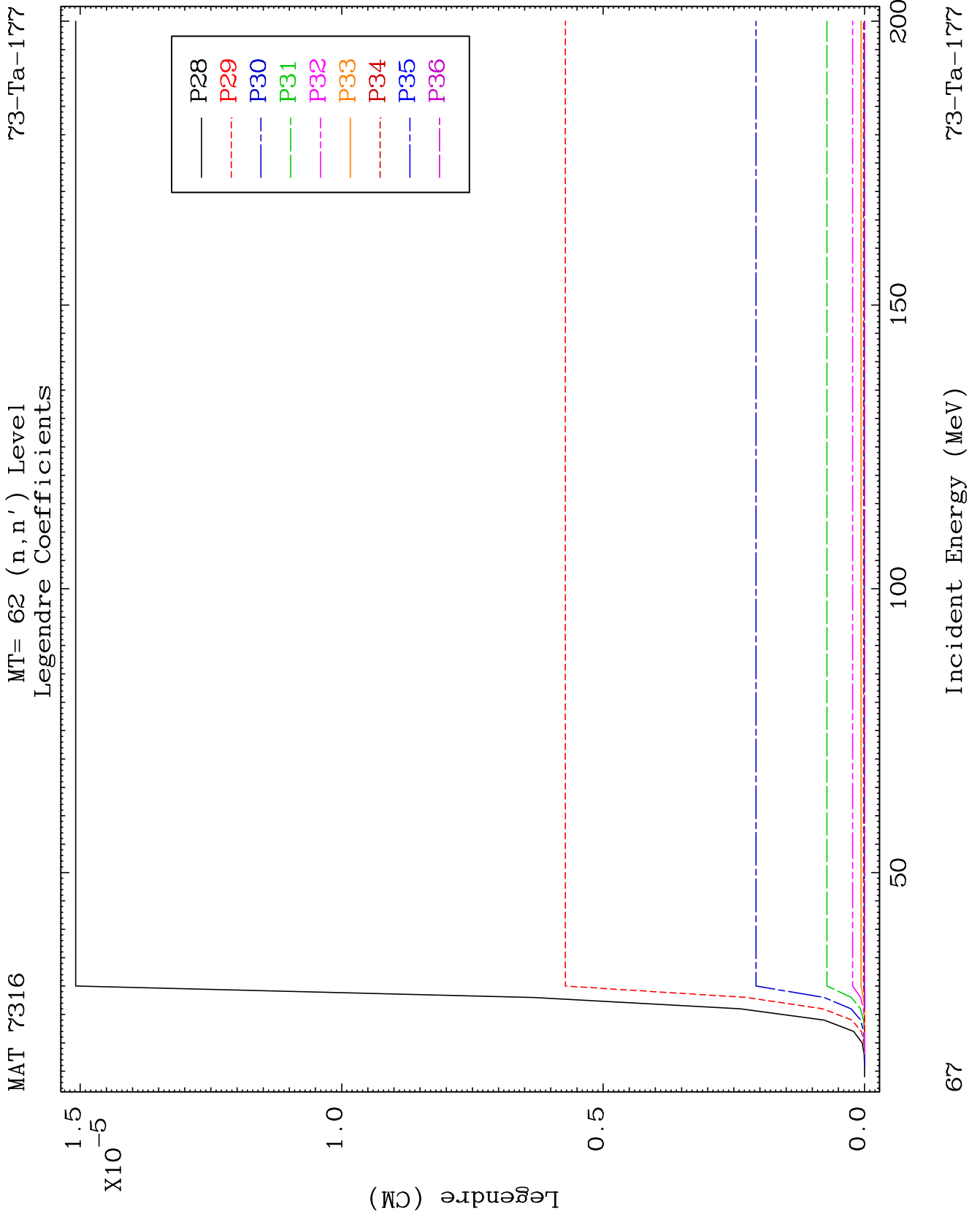
73-Ta-177



66

Incident Energy (MeV)

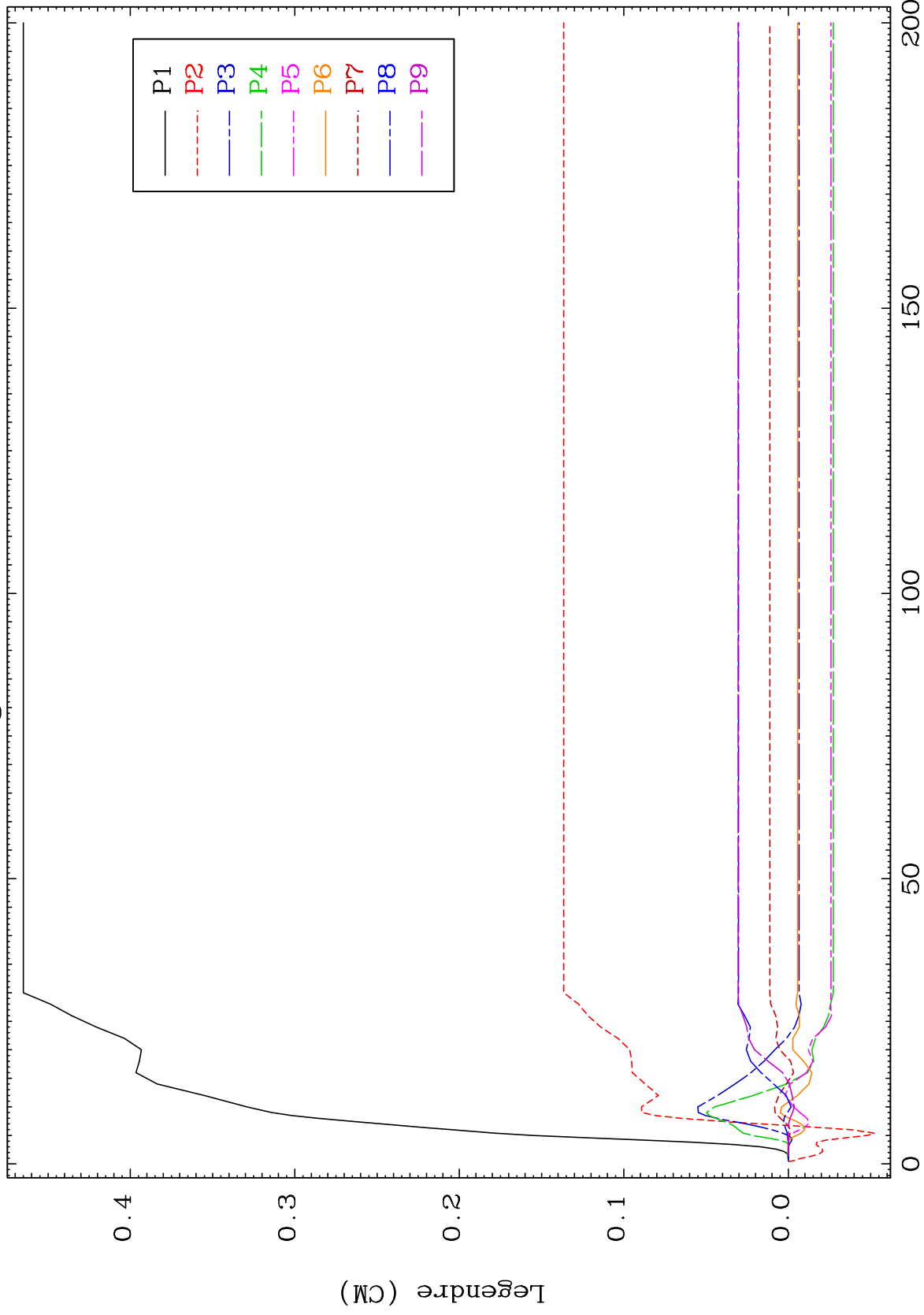
73-Ta-177



MAT 7316

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

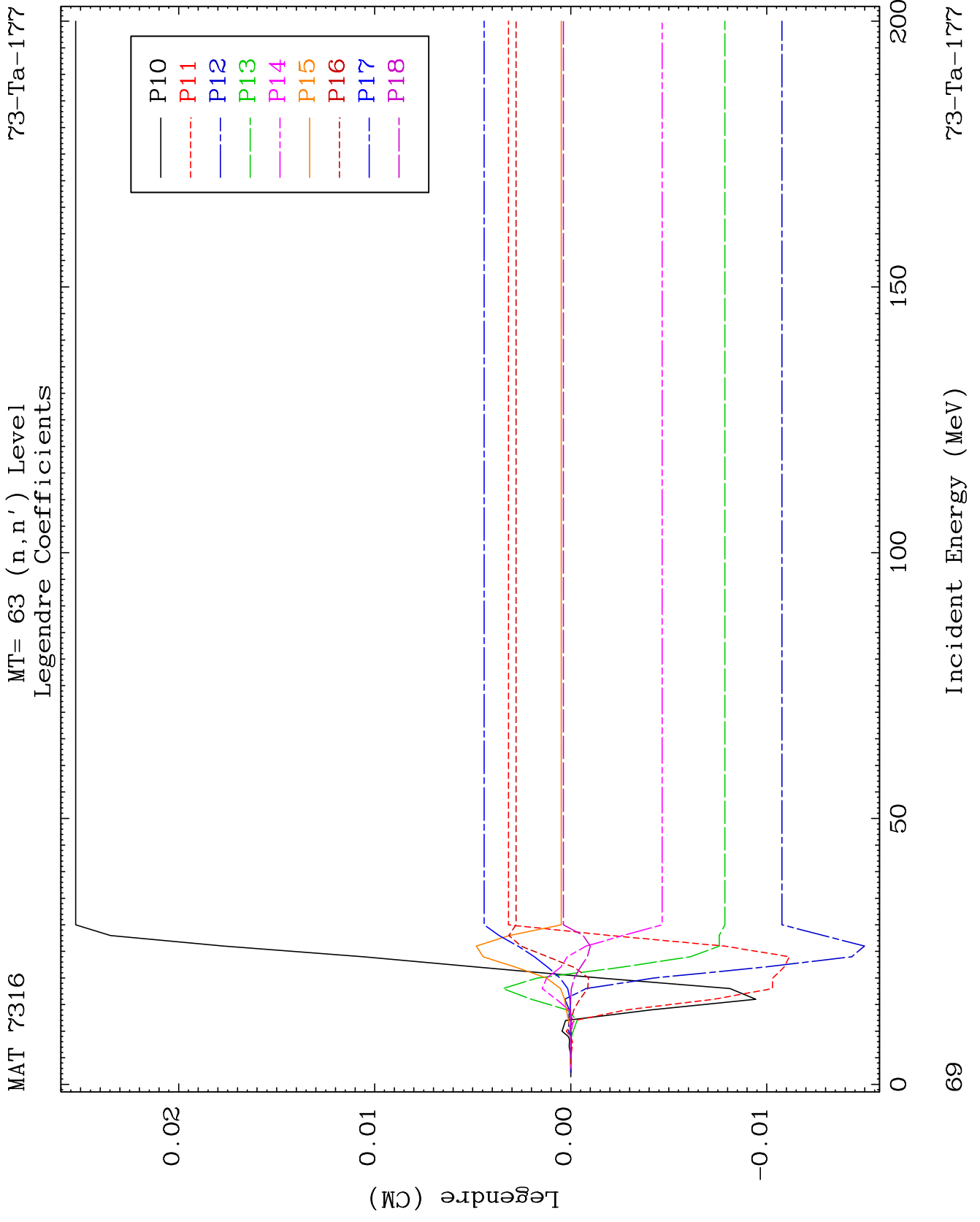
73-Ta-177



68

Incident Energy (MeV)

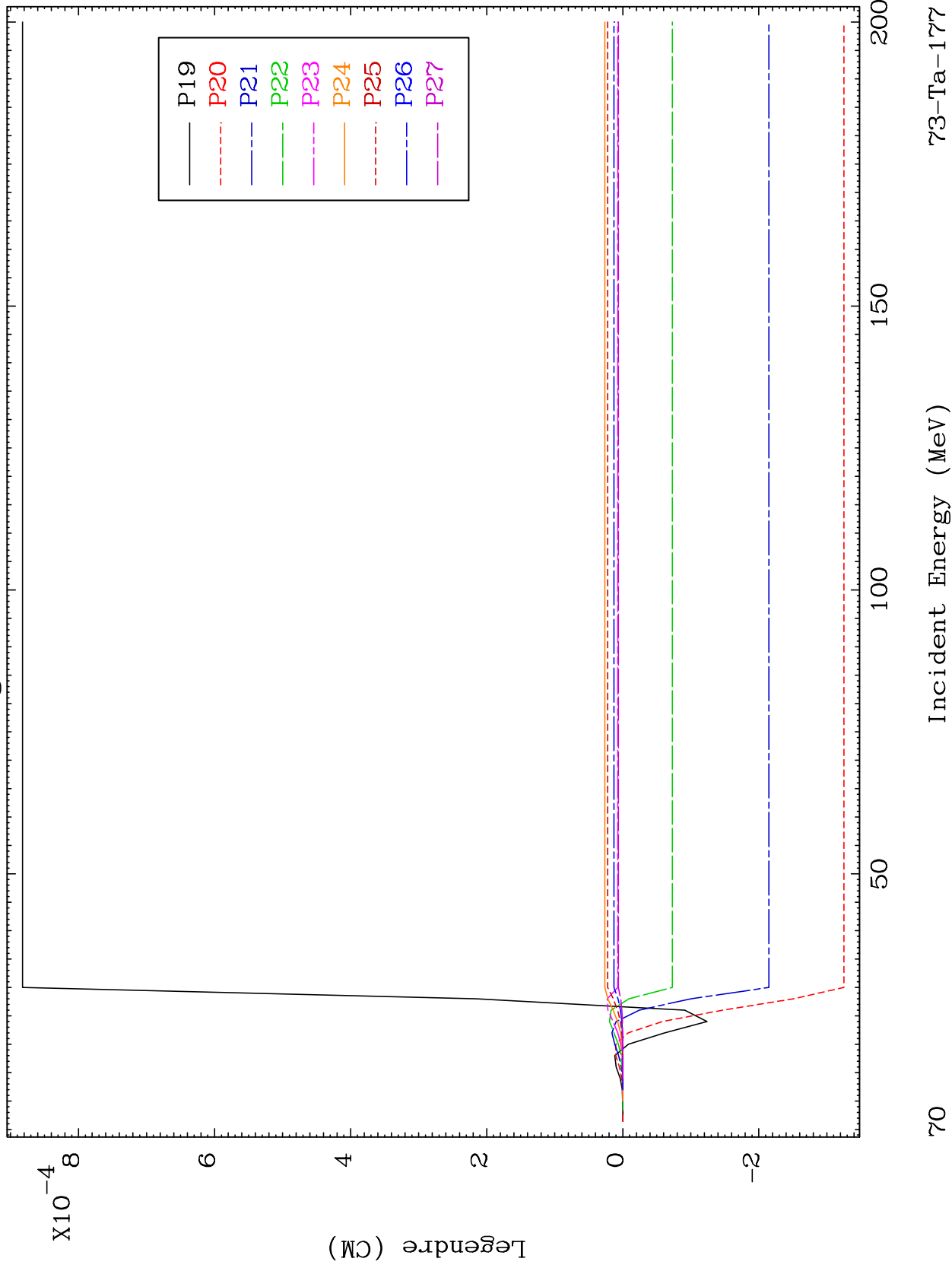
73-Ta-177



MAT 7316

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

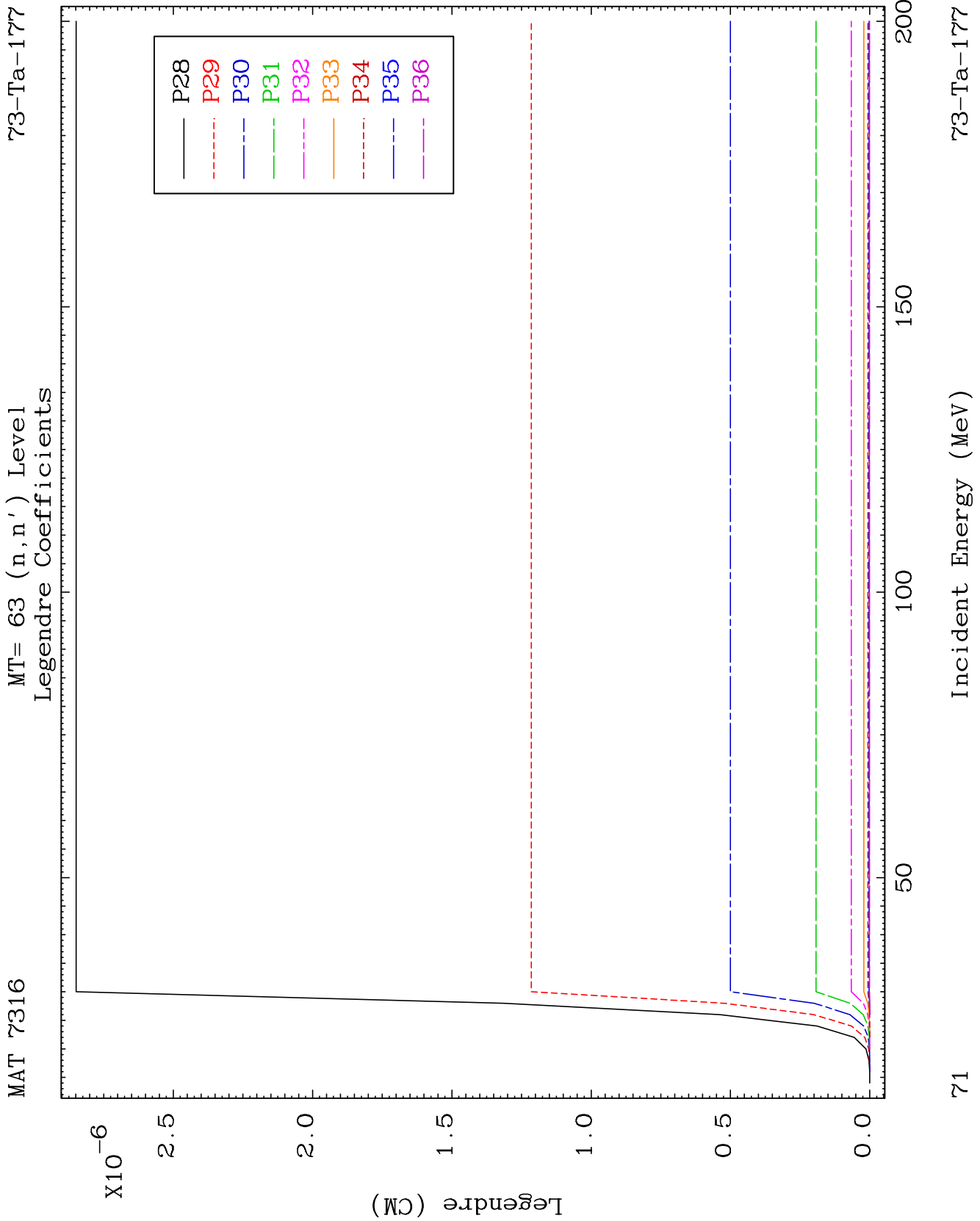
73-Ta-177

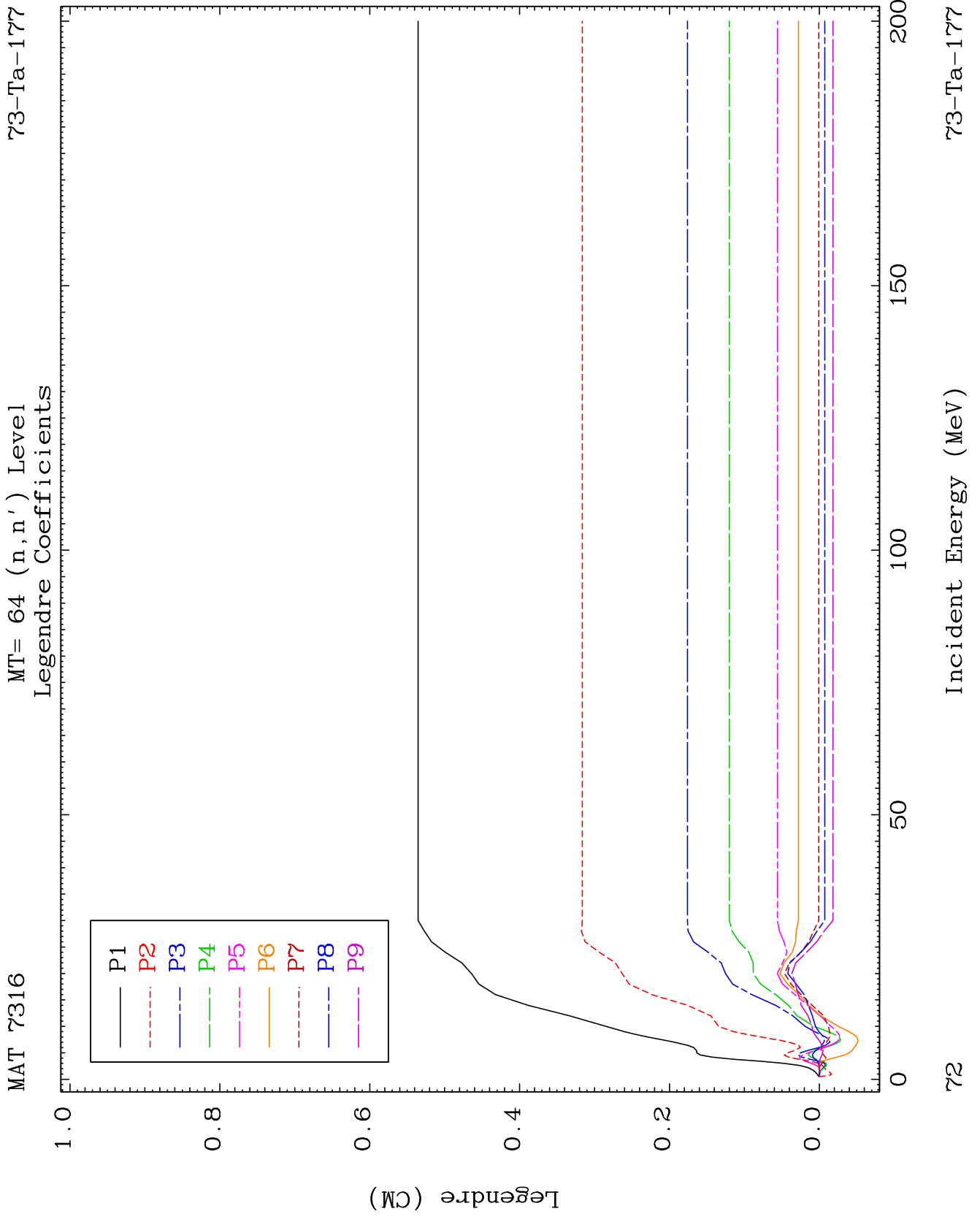


70

Incident Energy (MeV)

73-Ta-177

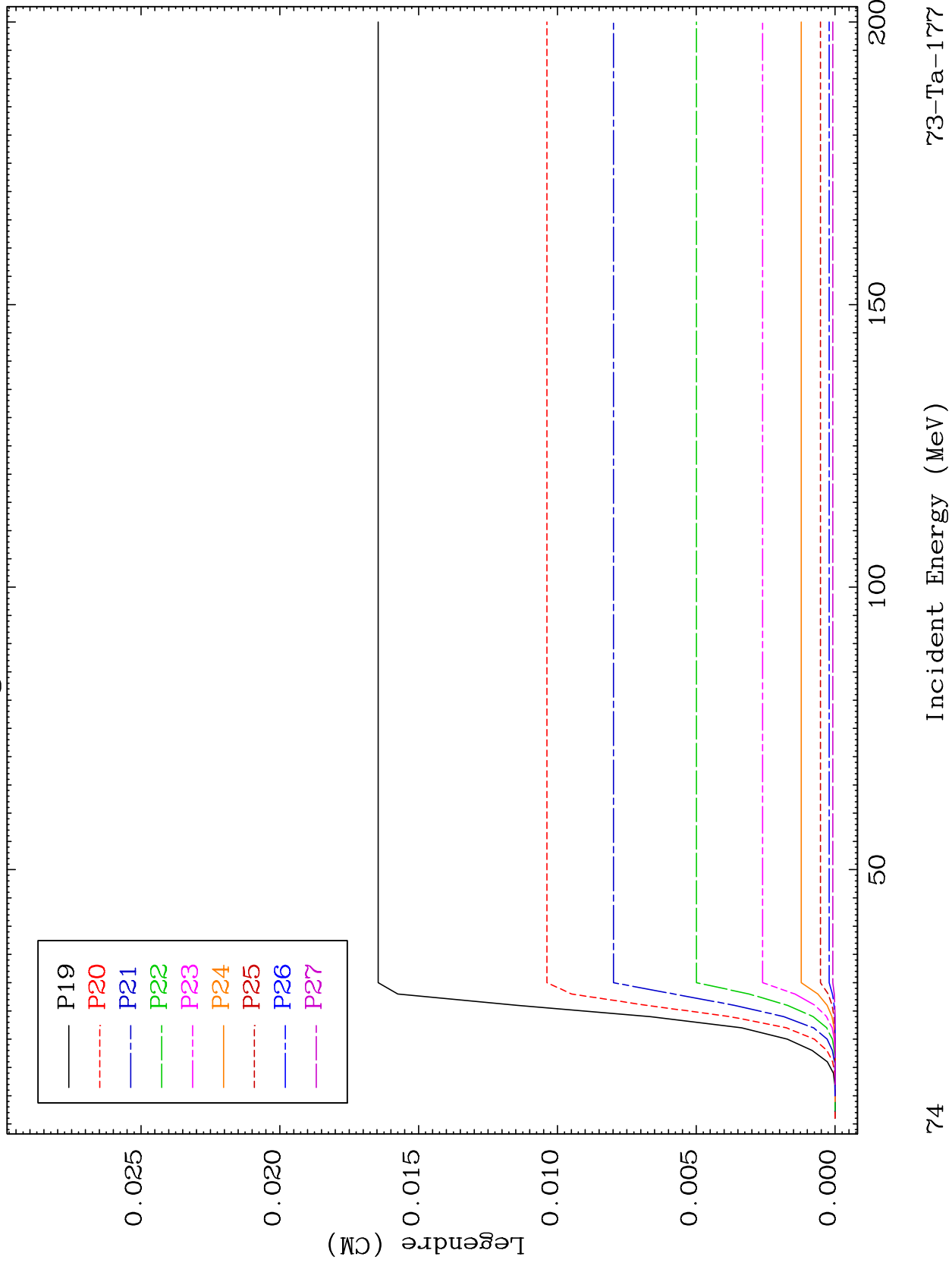




MAT 7316

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

73-Ta-177



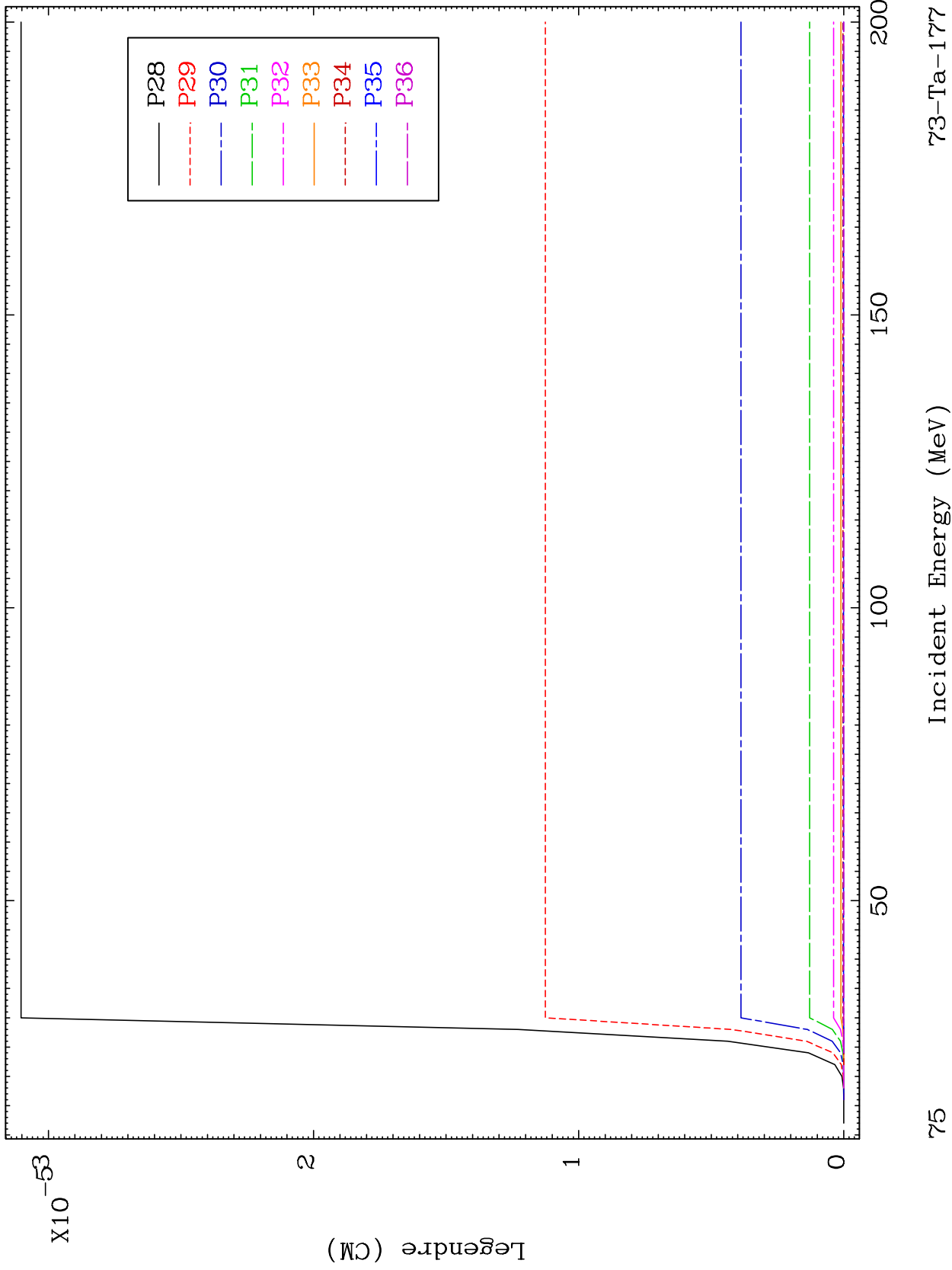
74

73-Ta-177

MAT 7316

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

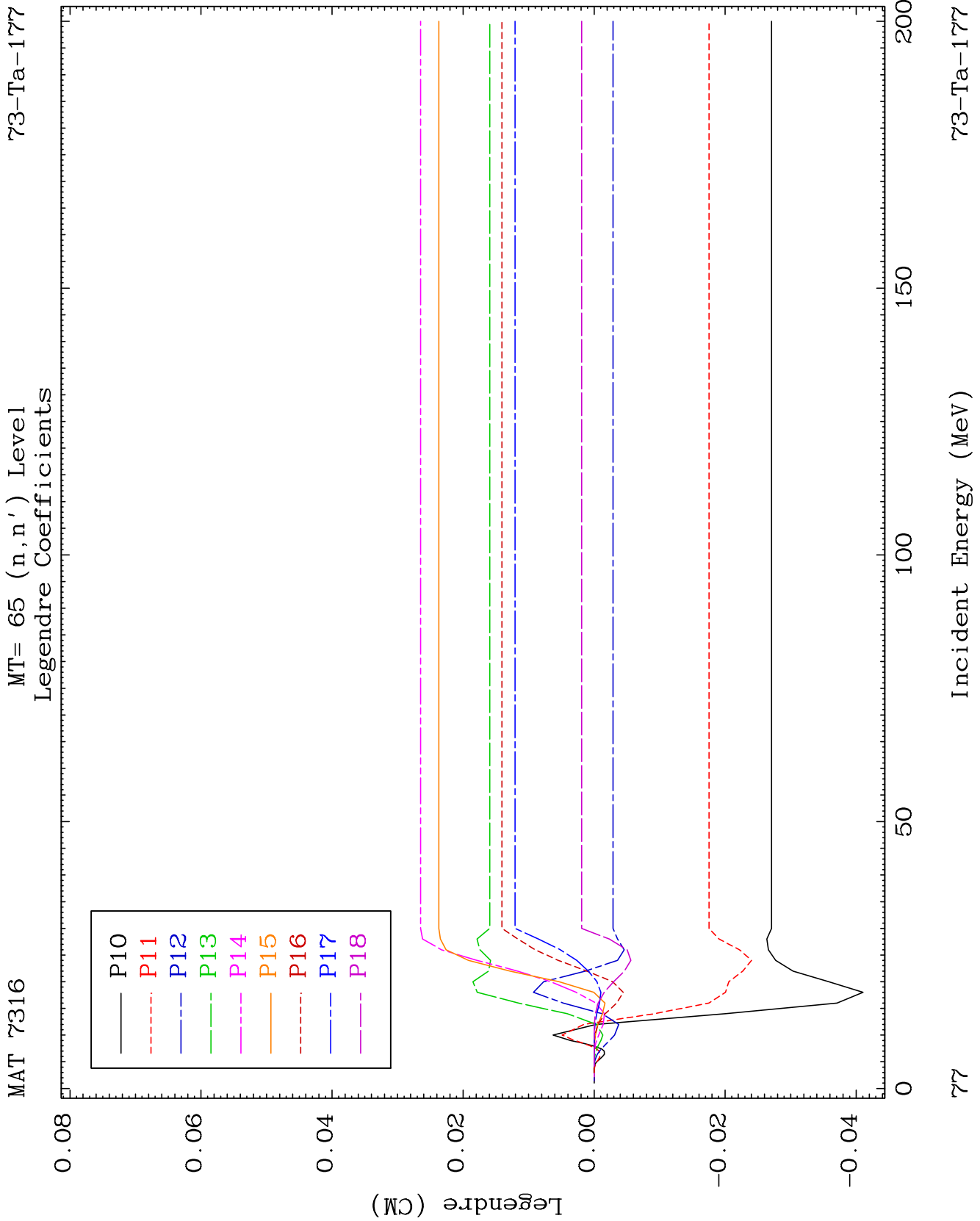
73-Ta-177

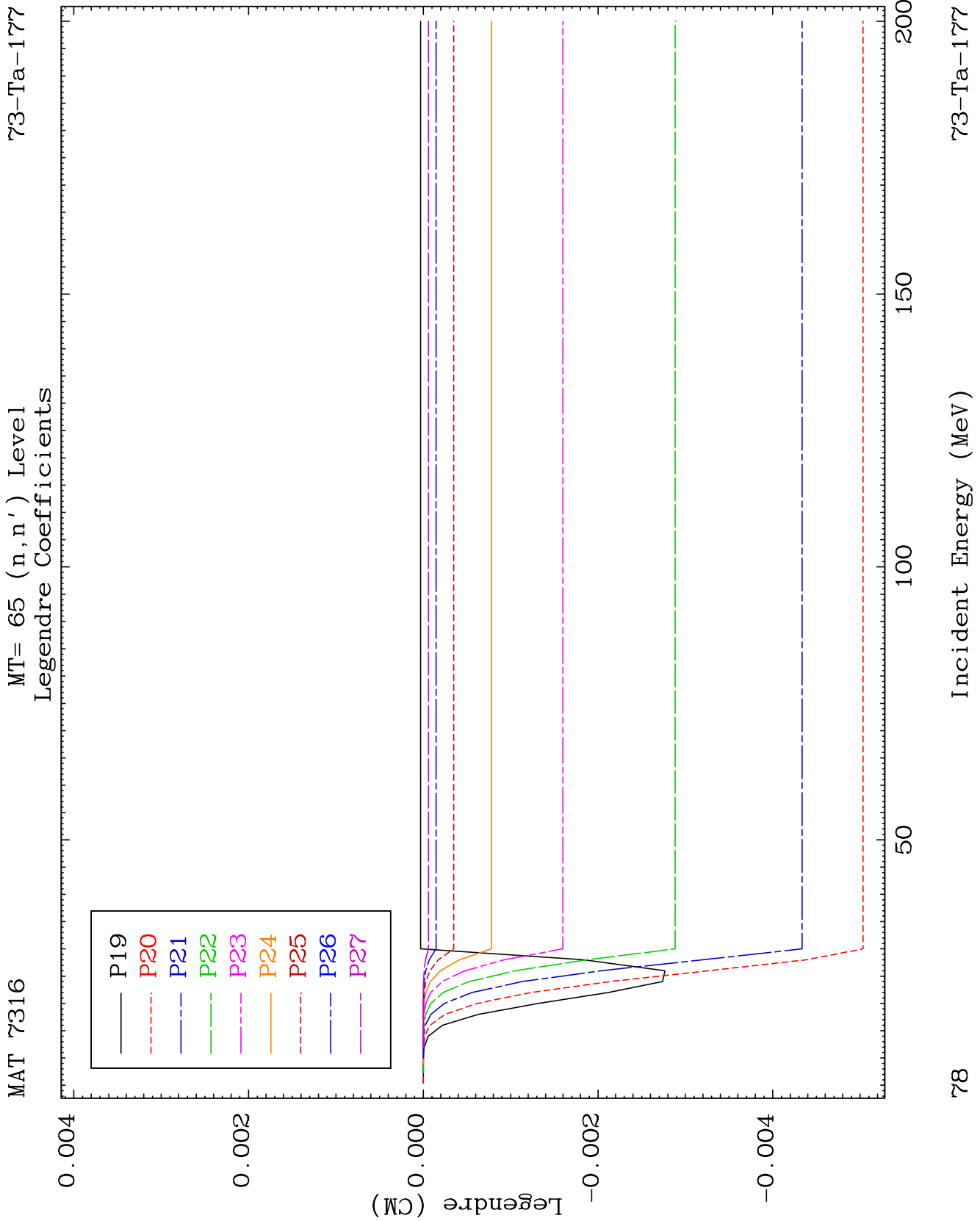


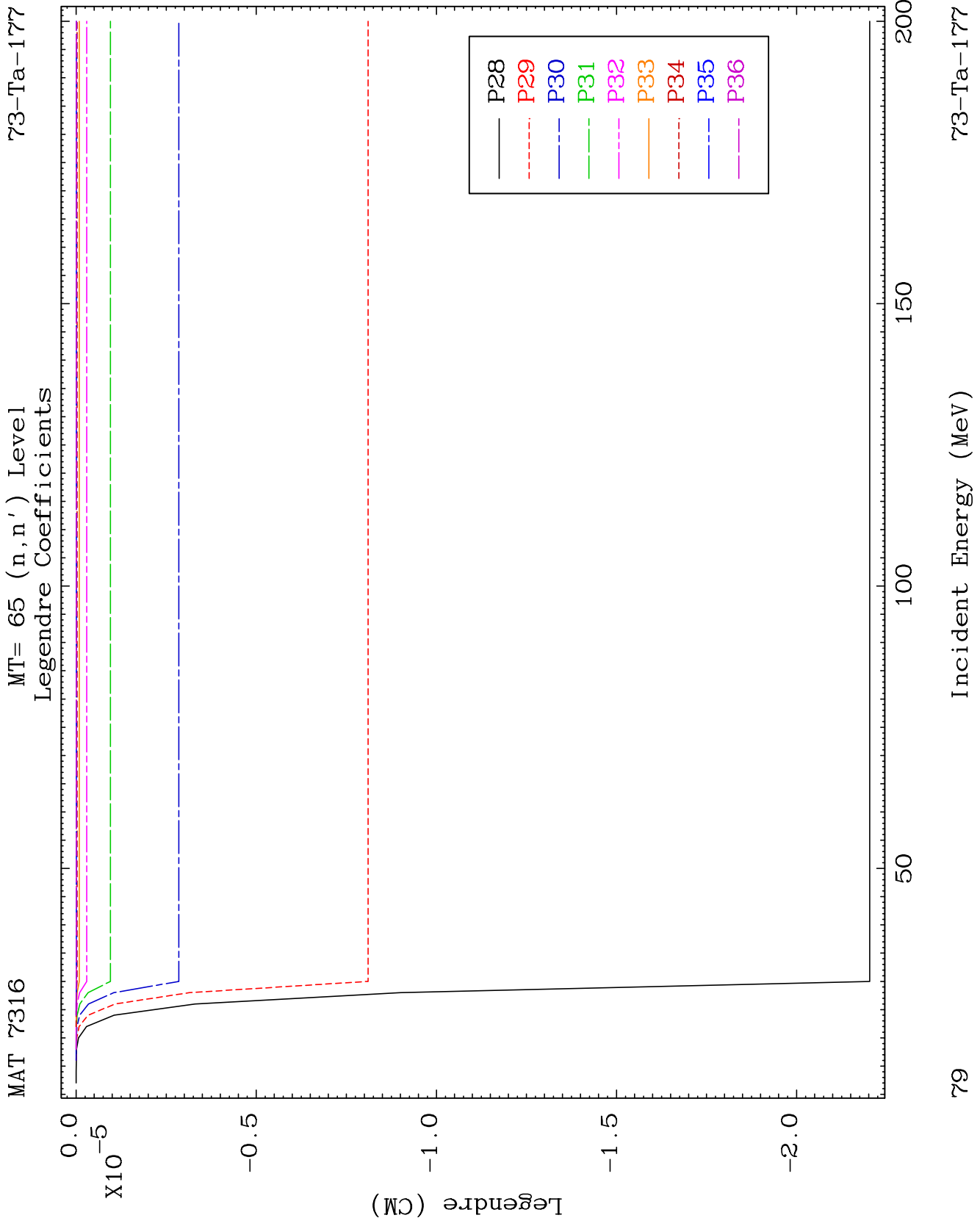
75

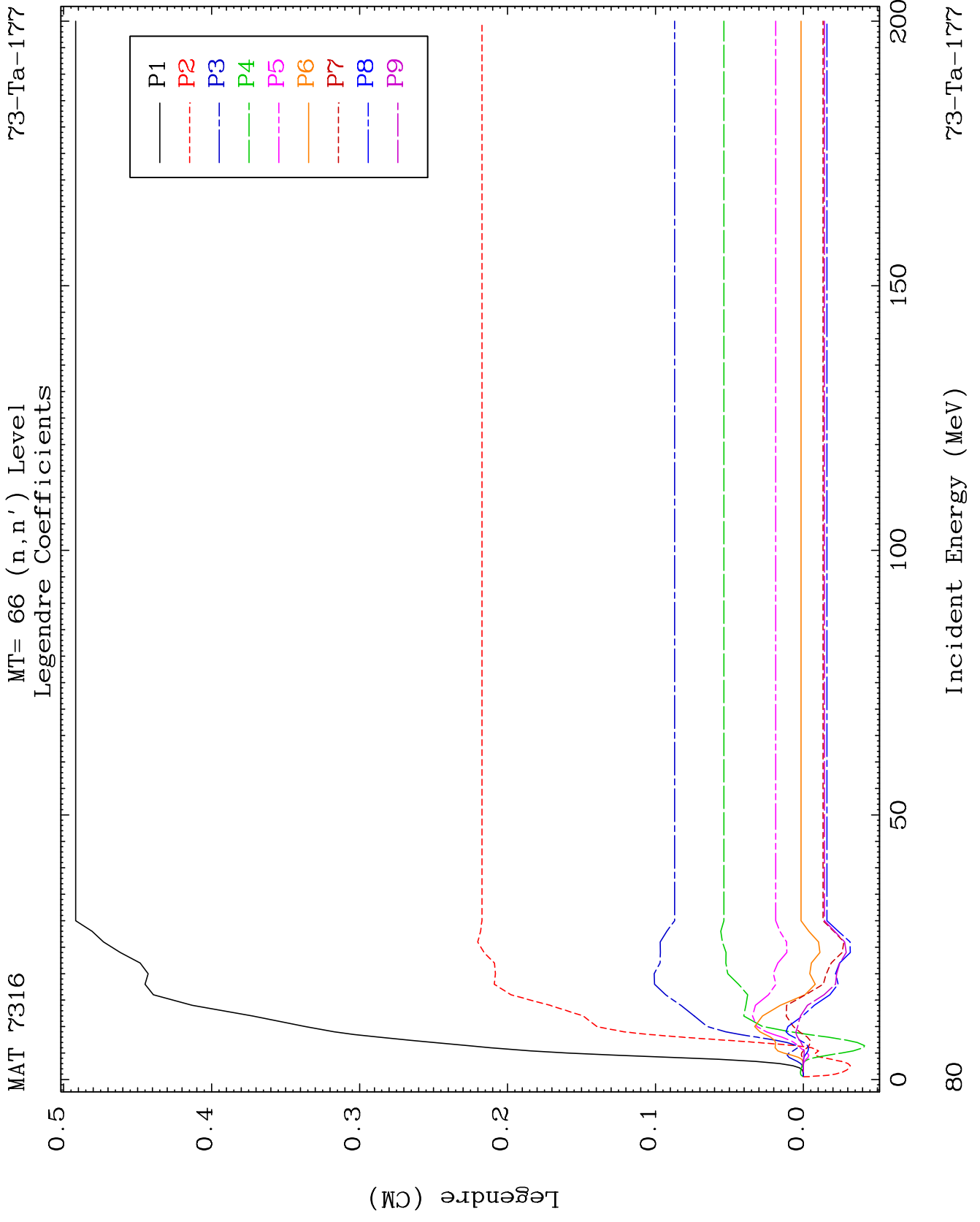
Incident Energy (MeV)

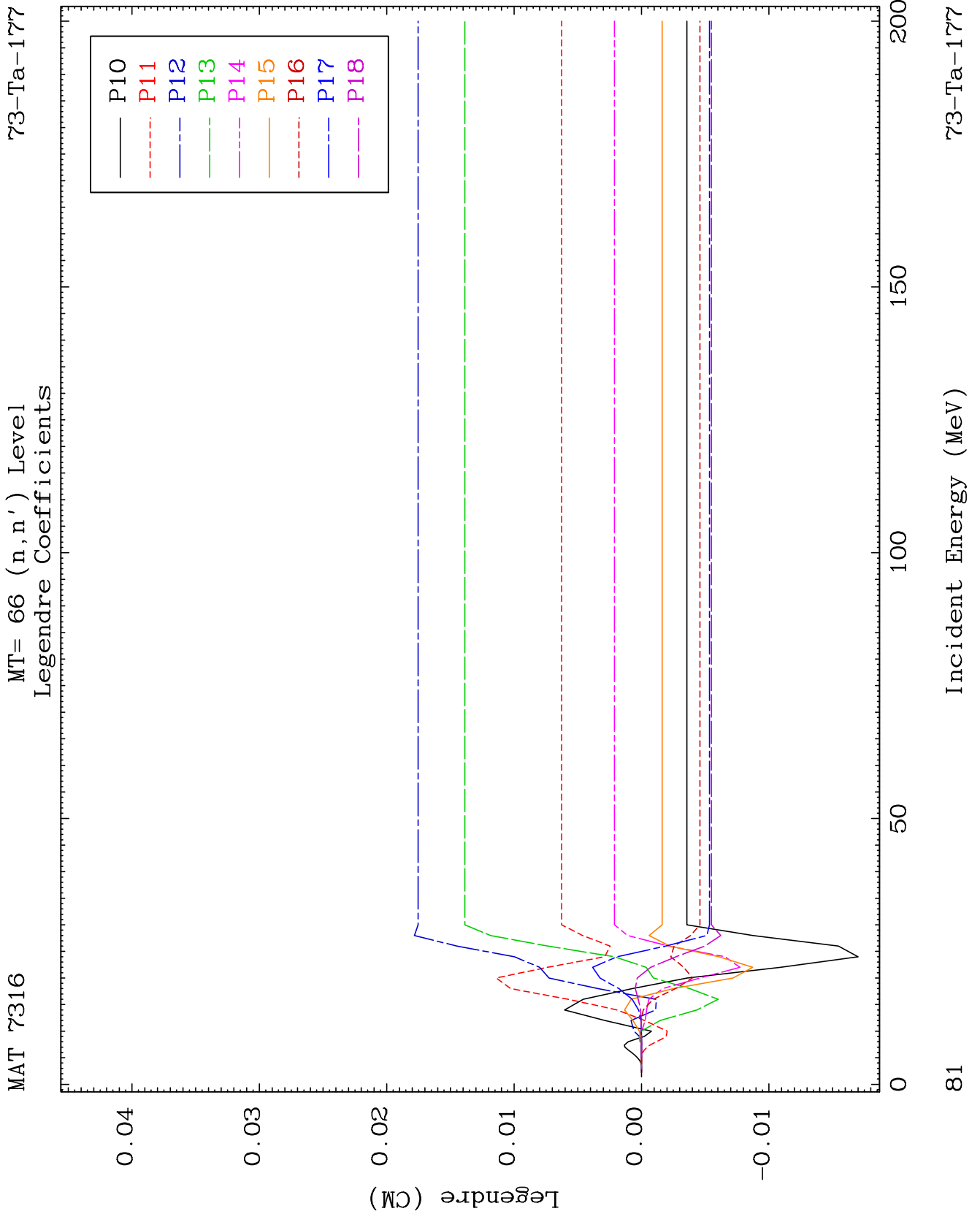
73-Ta-177







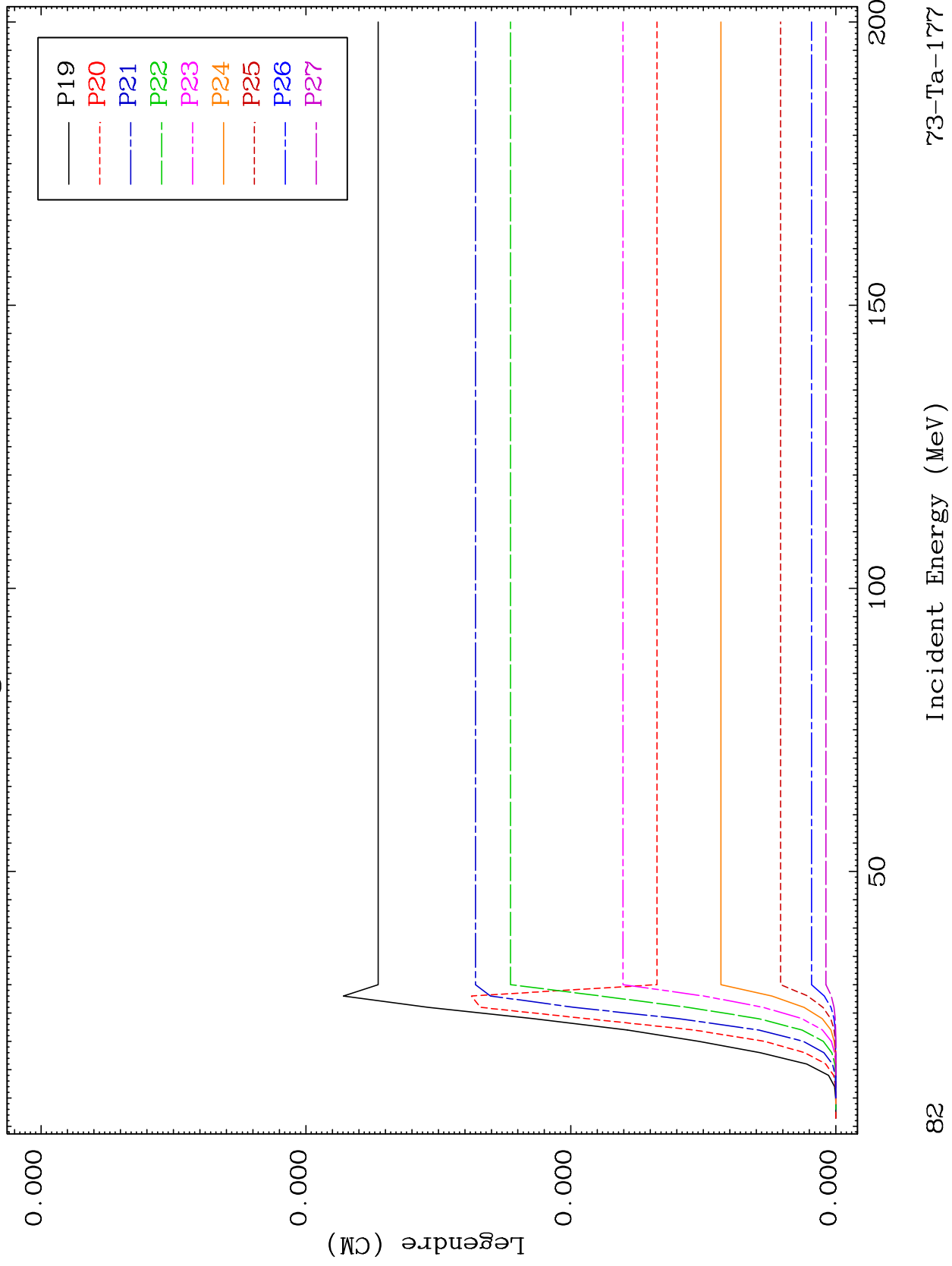




MAT 7316

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

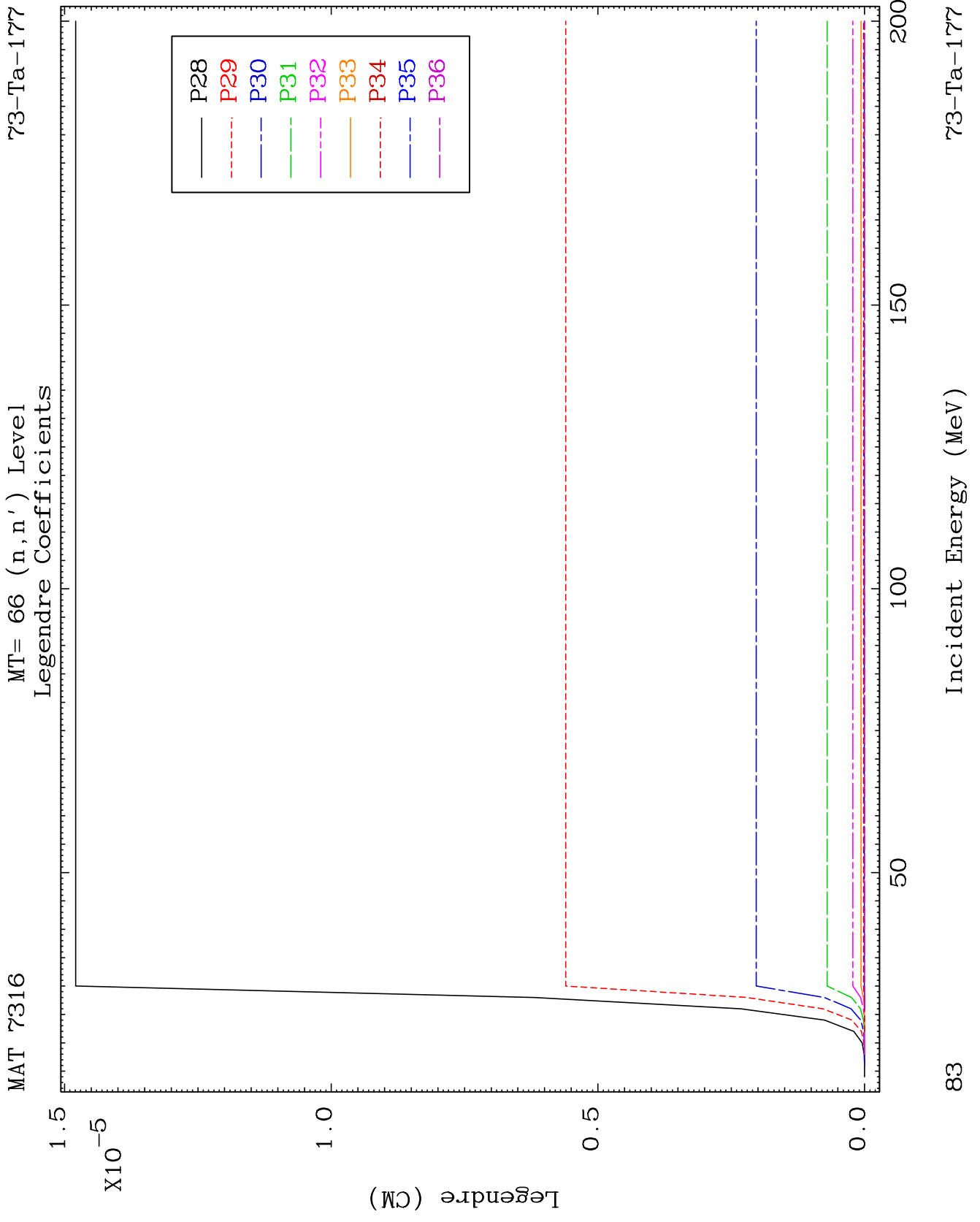
73-Ta-177

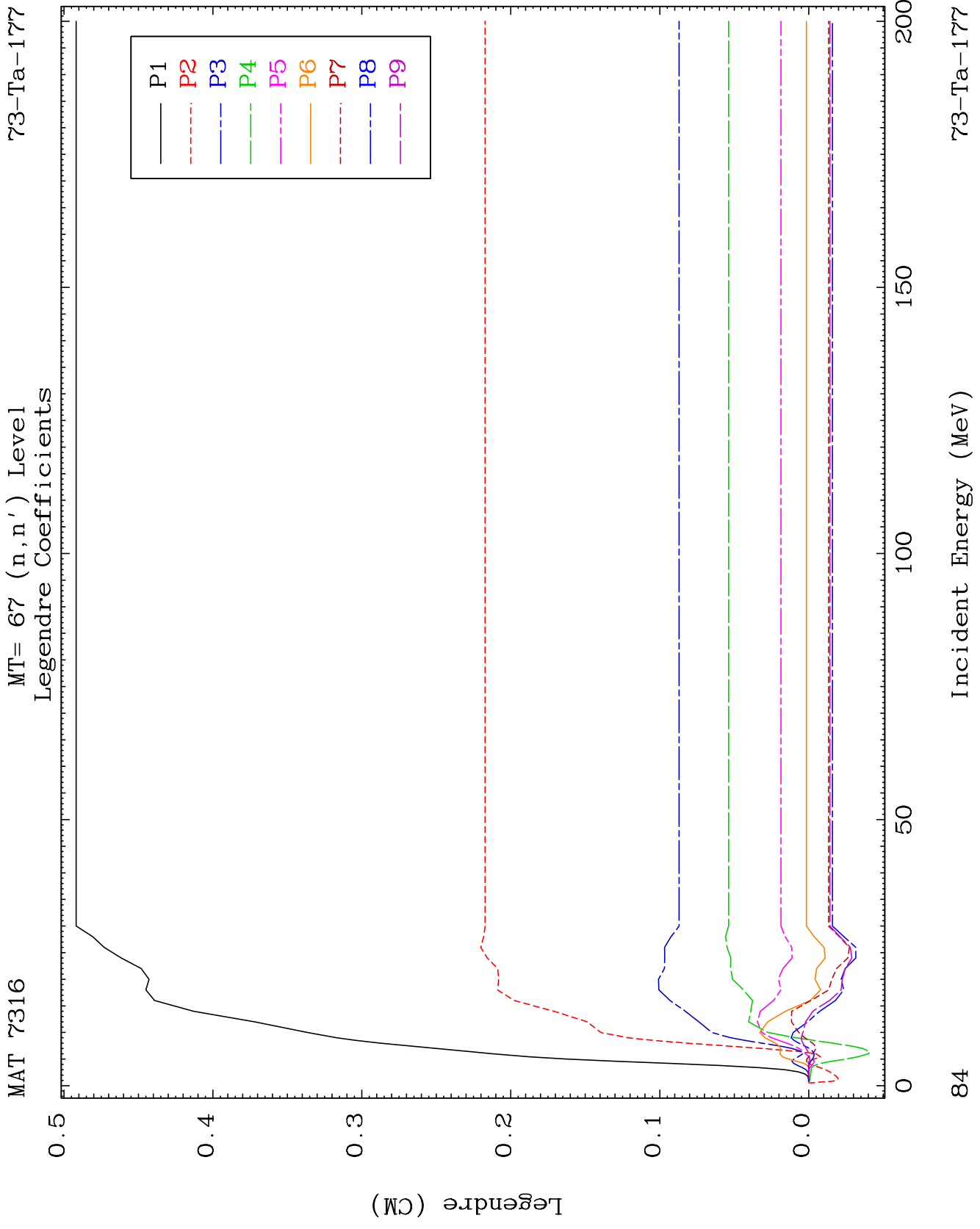


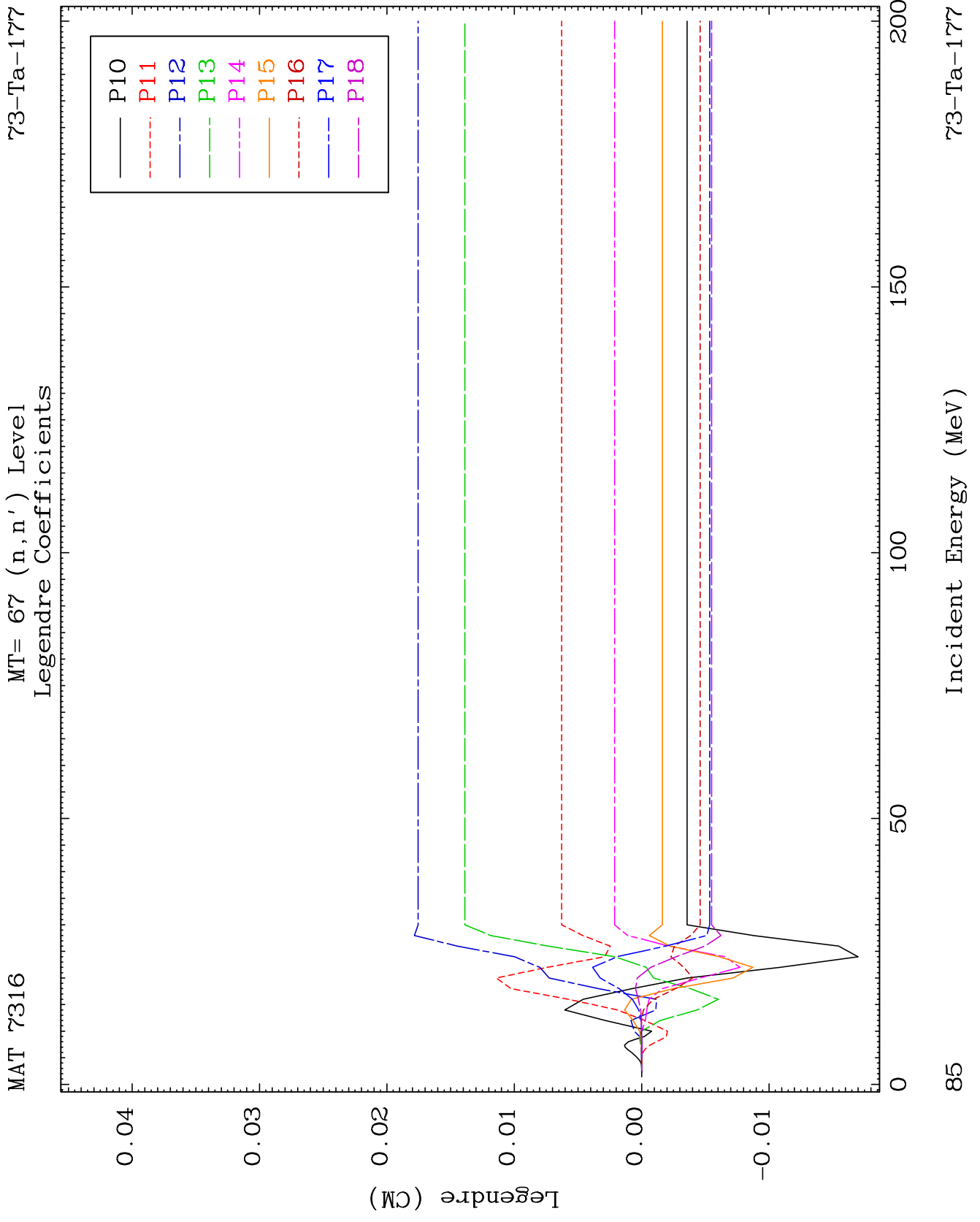
82

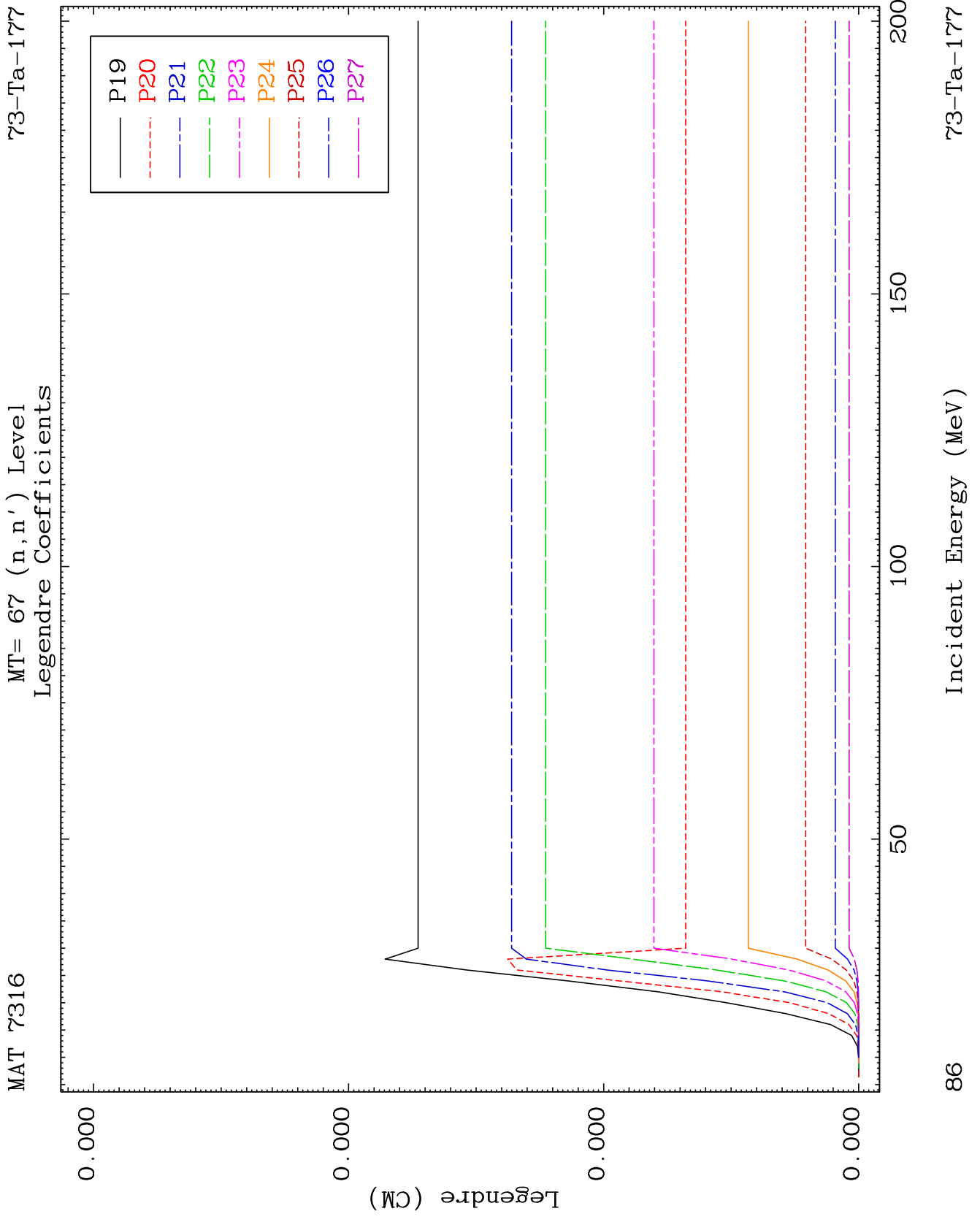
Incident Energy (MeV)

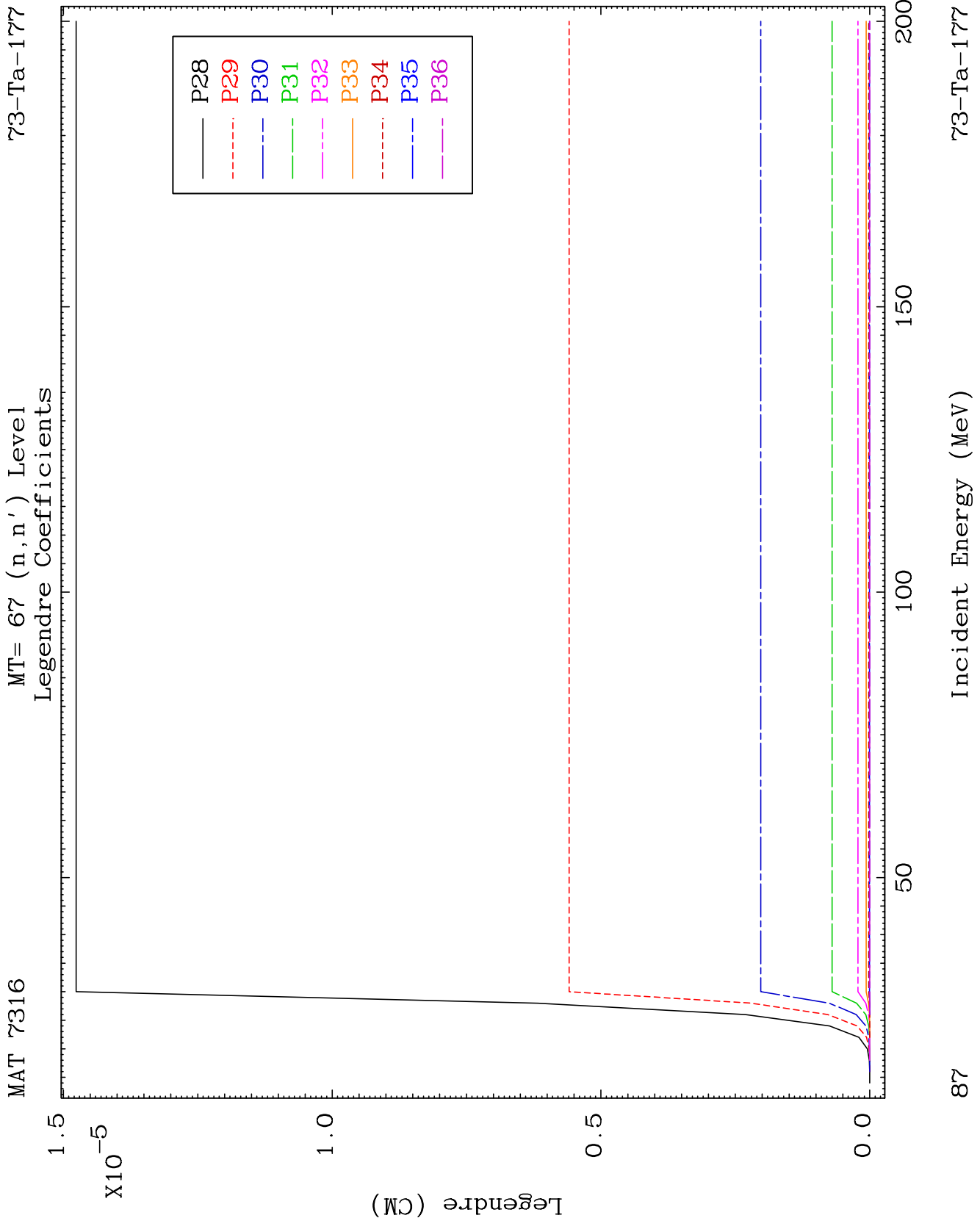
73-Ta-177

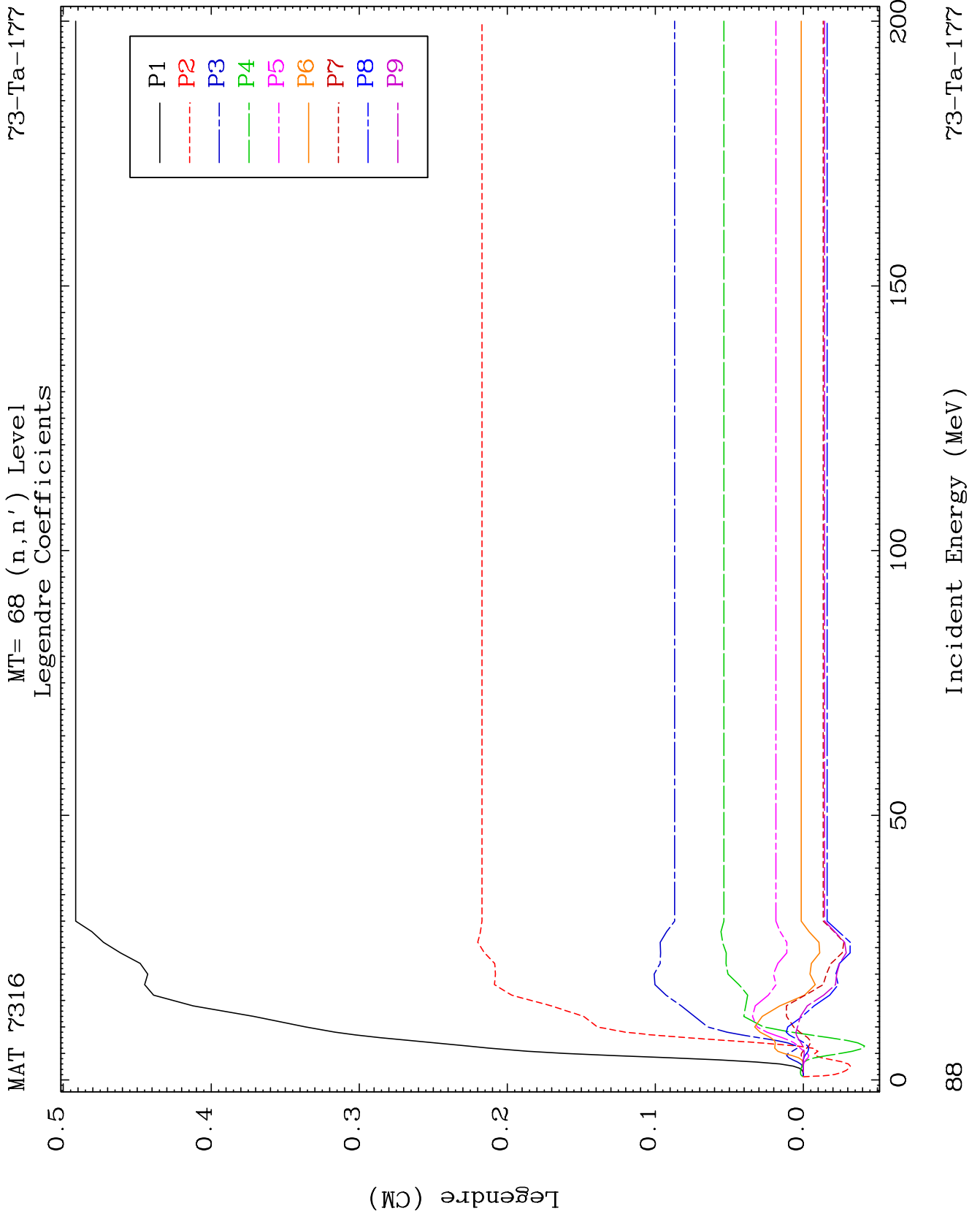


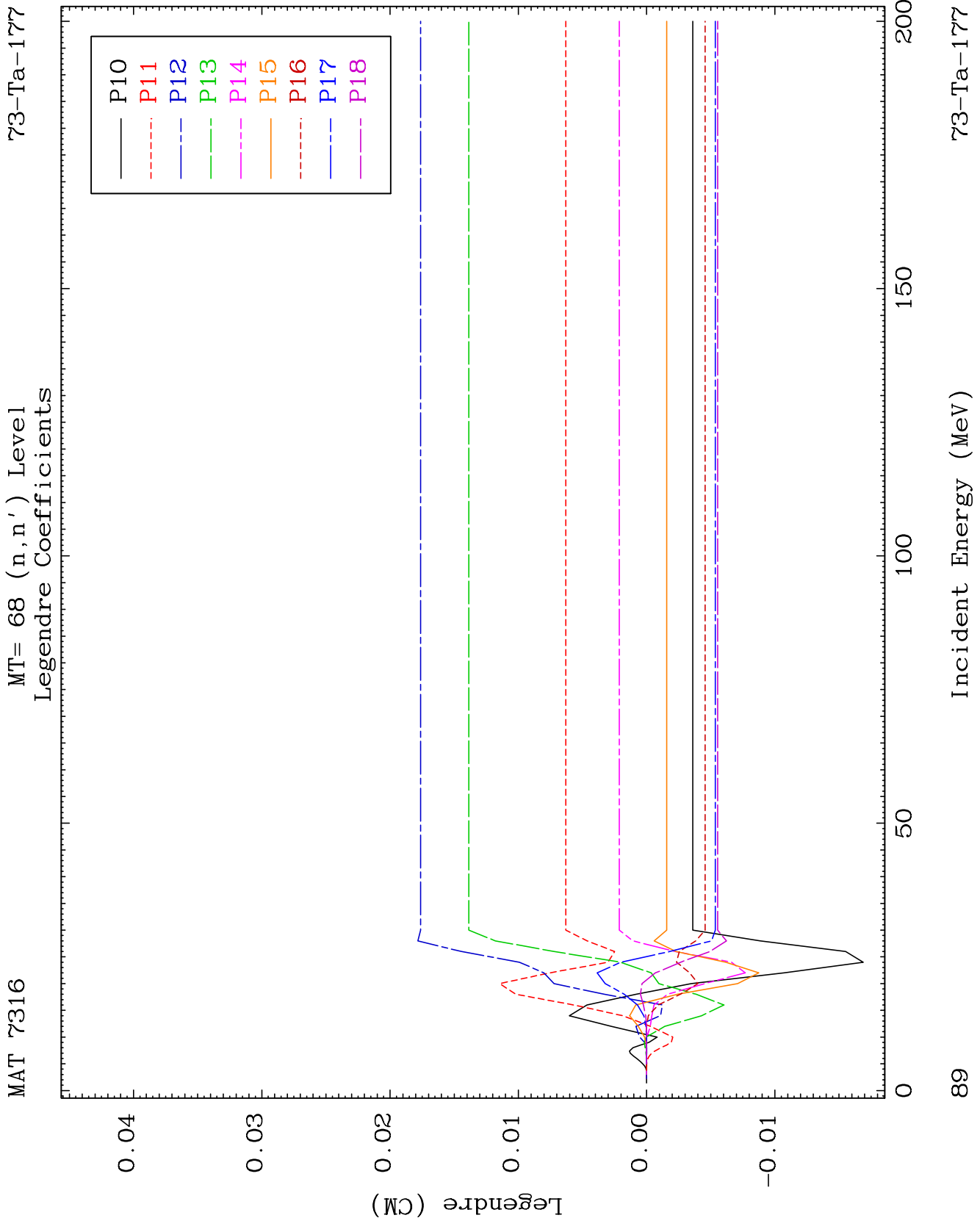


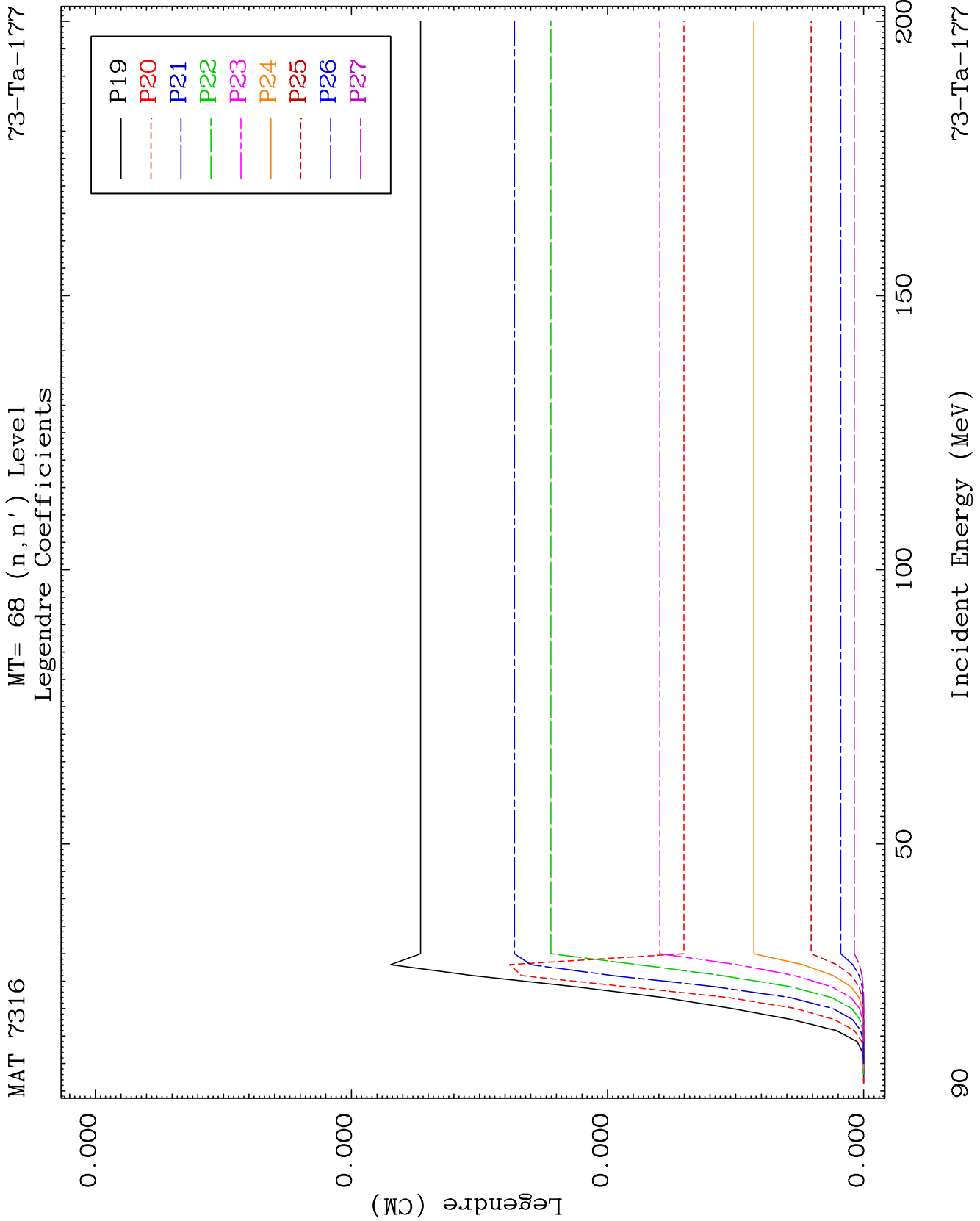








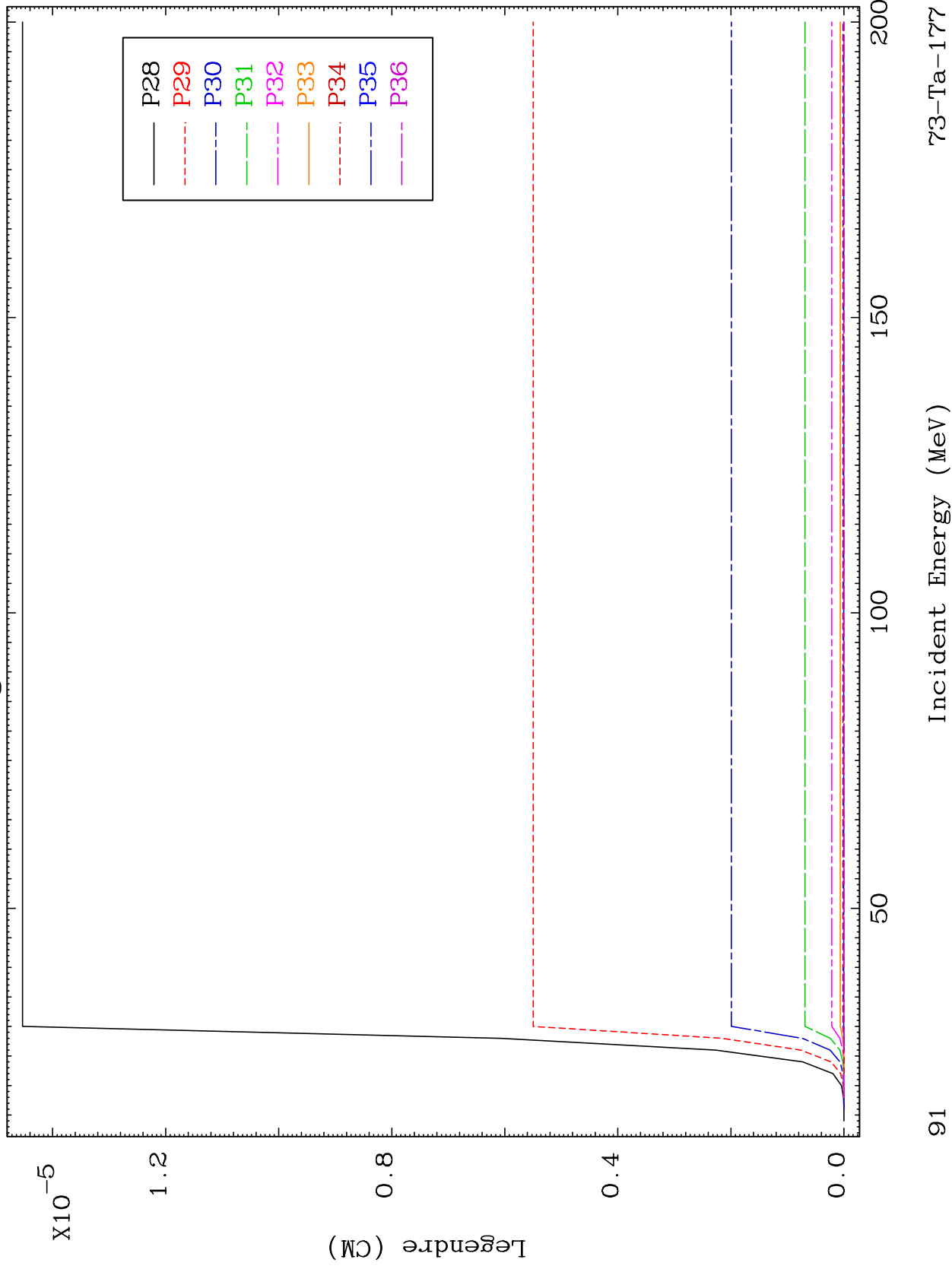


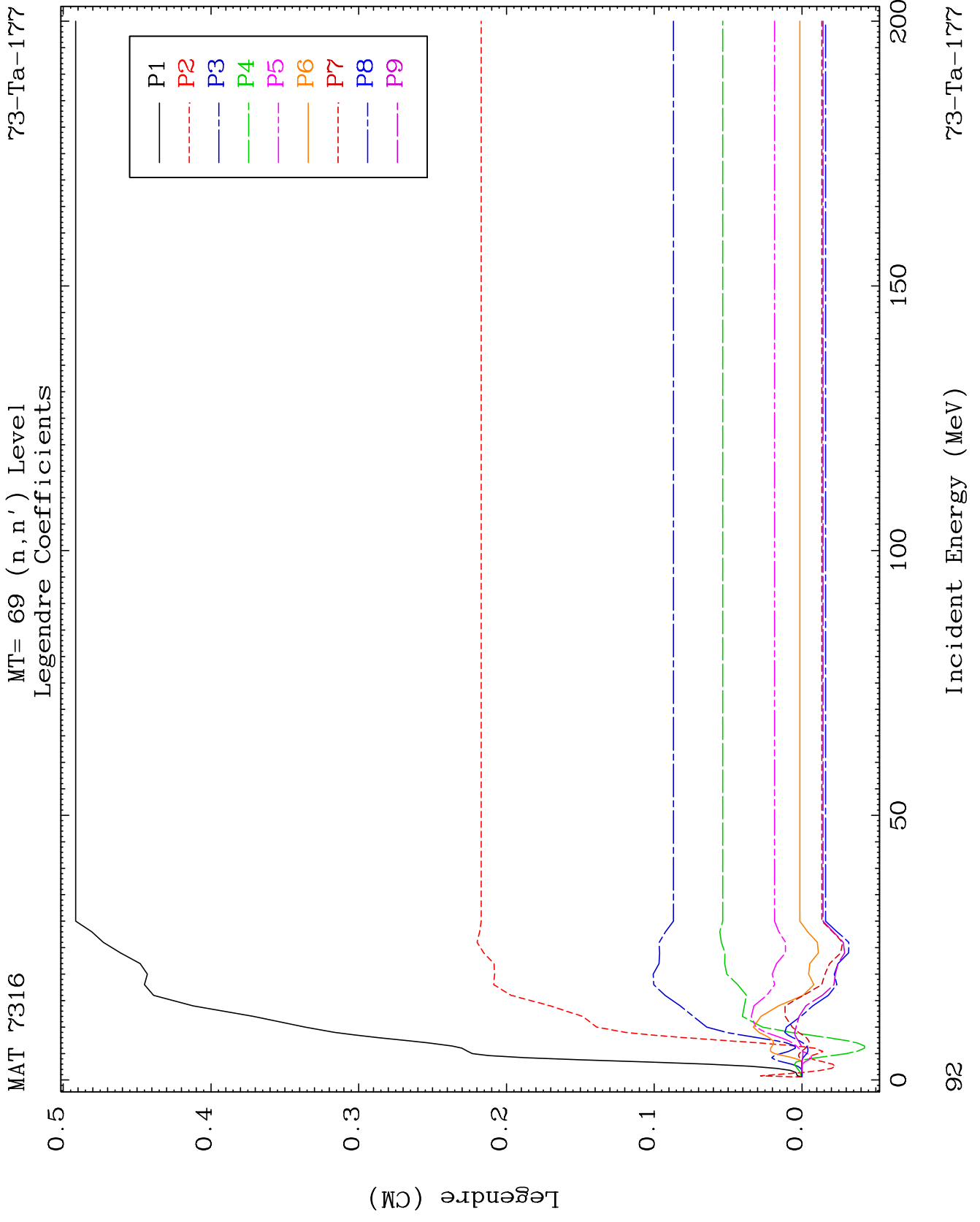


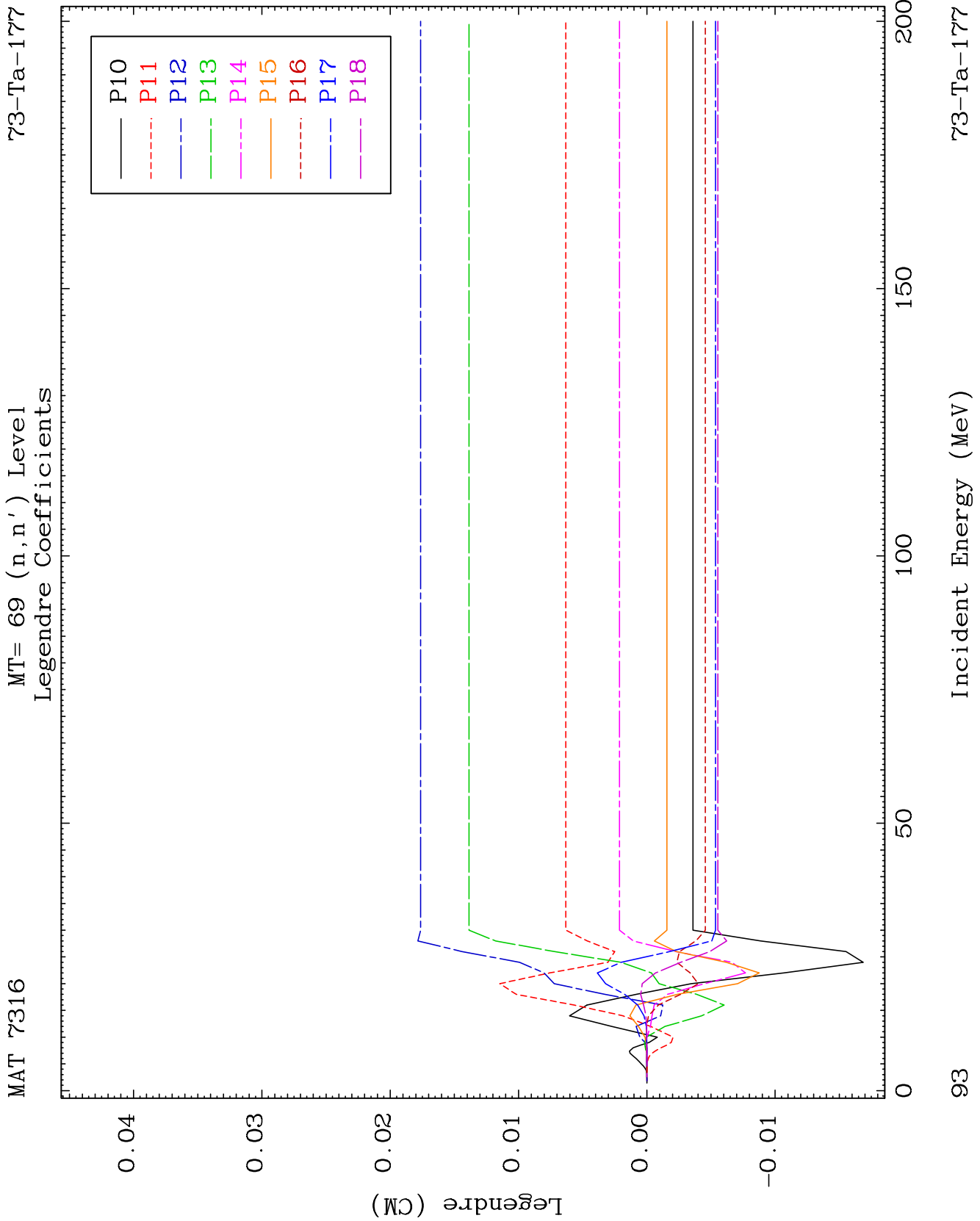
MAT 7316

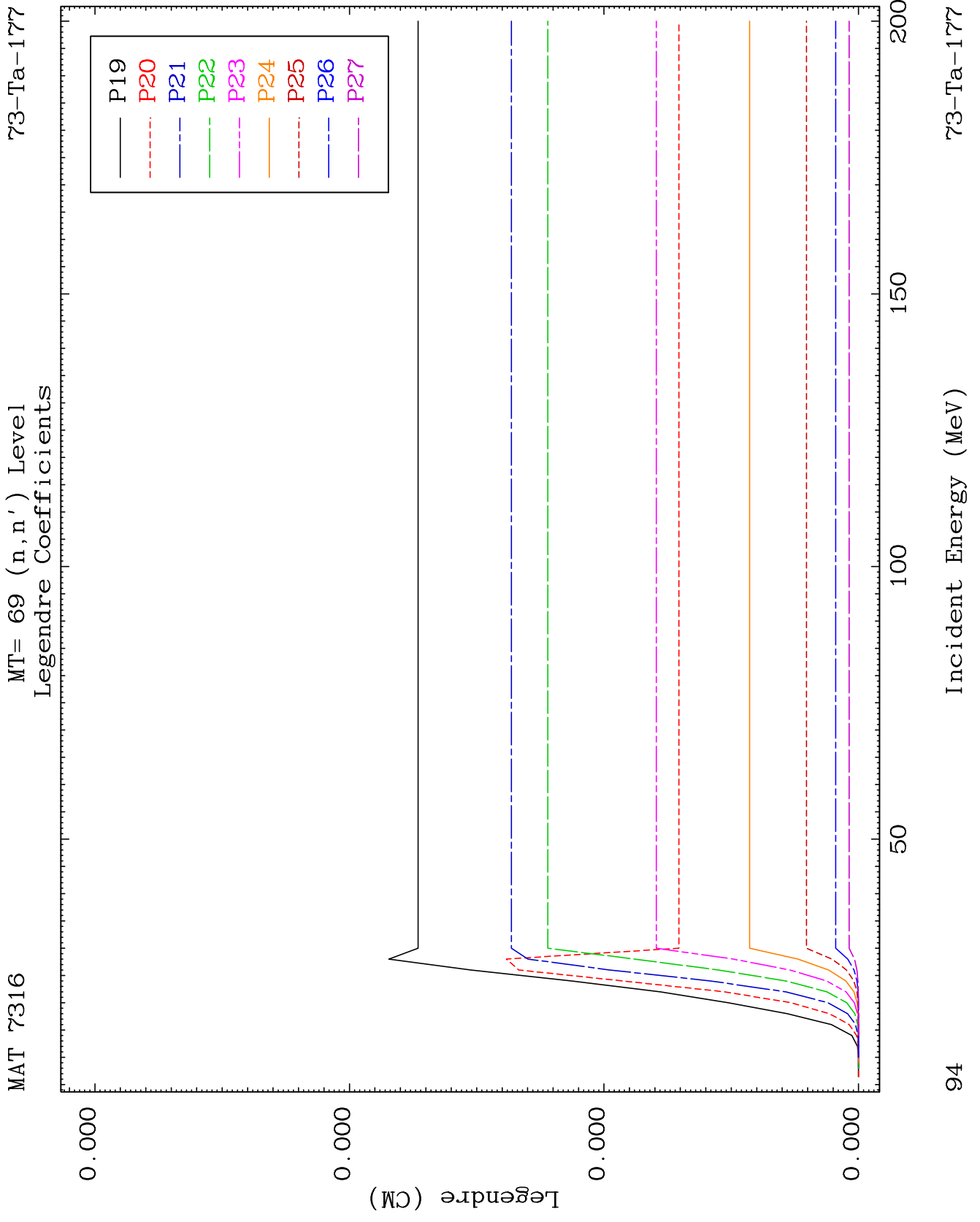
MT= 68 (n,n') Level
Legendre Coefficients

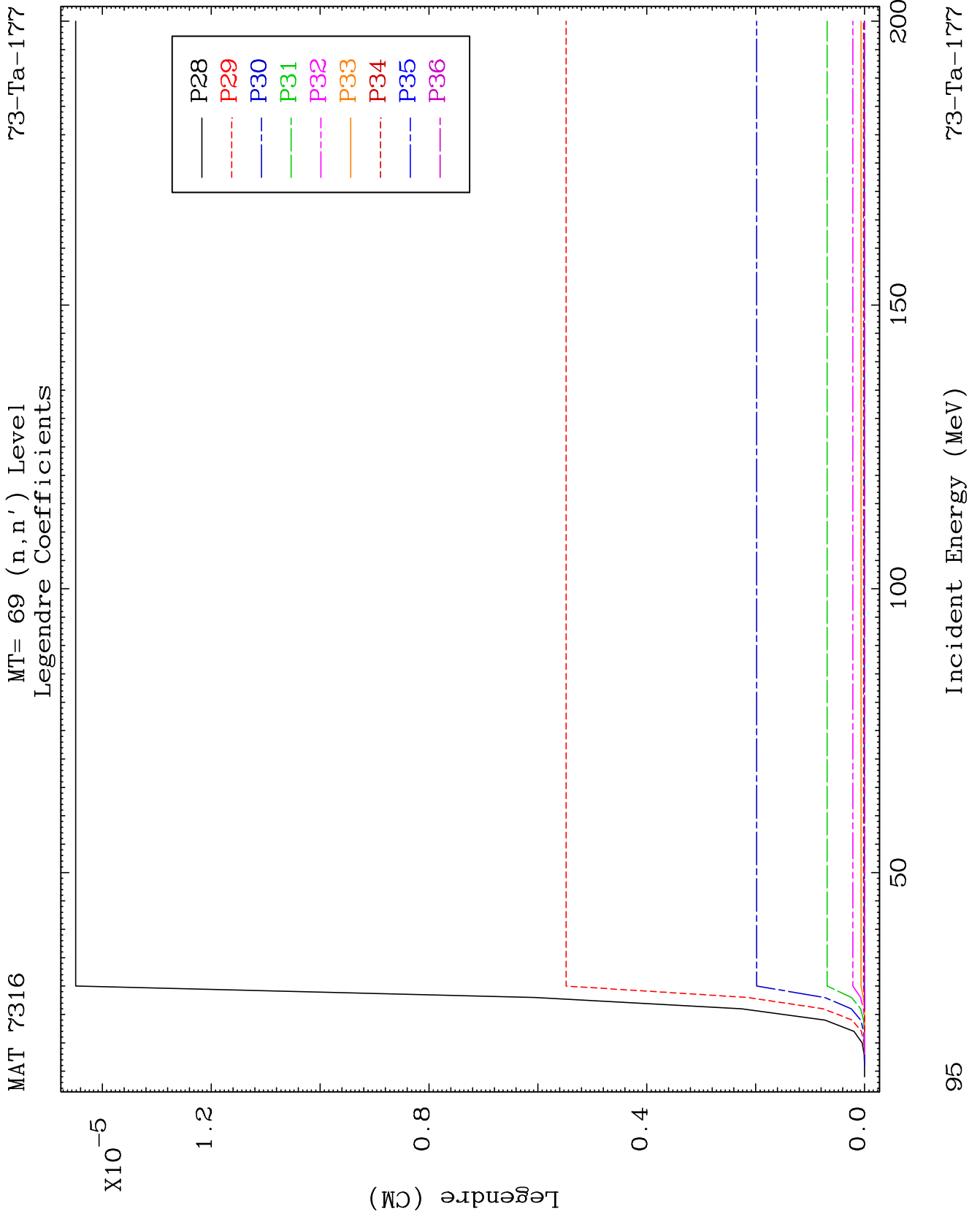
73-Ta-177







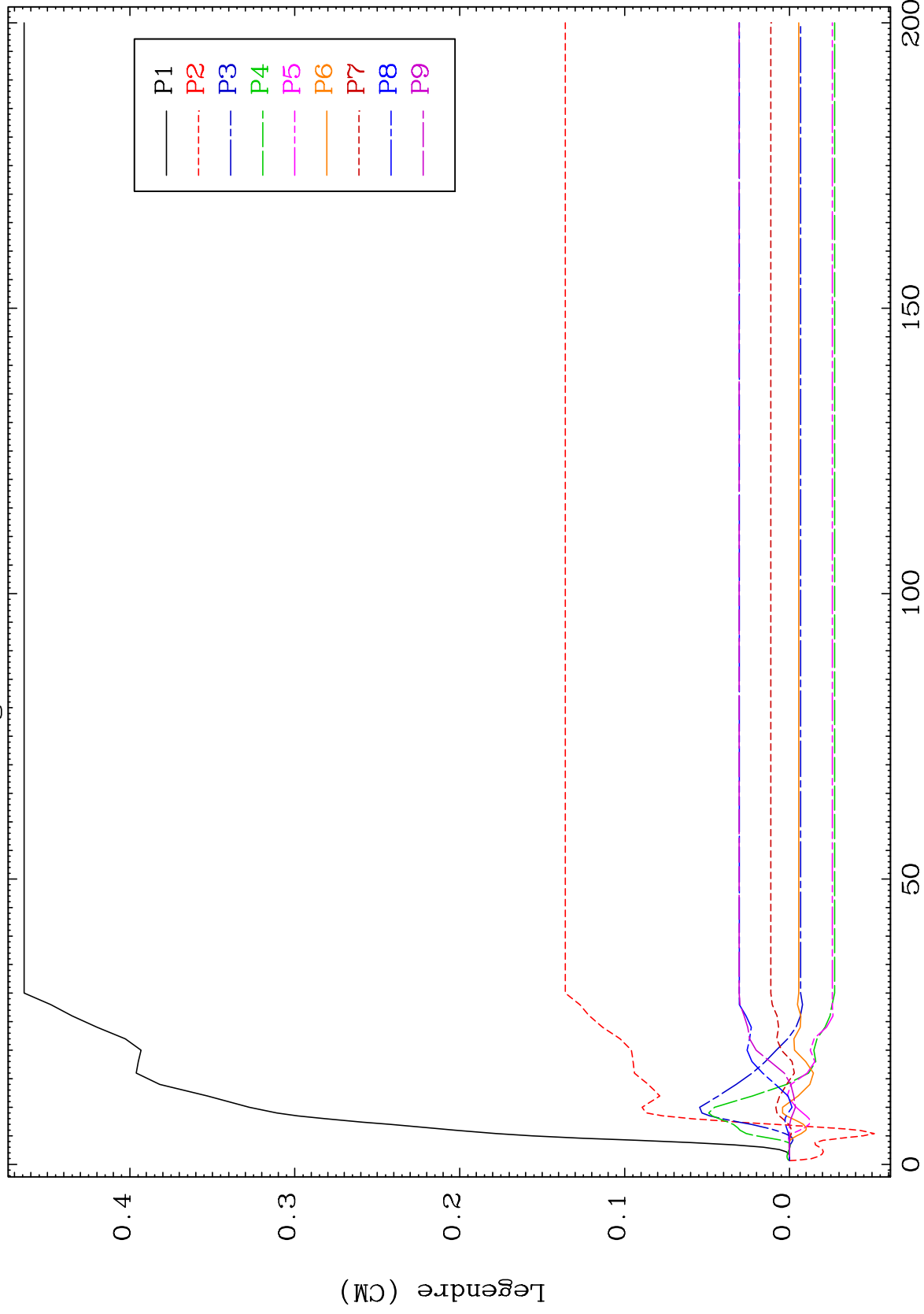




MAT 7316

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

73-Ta-177



96

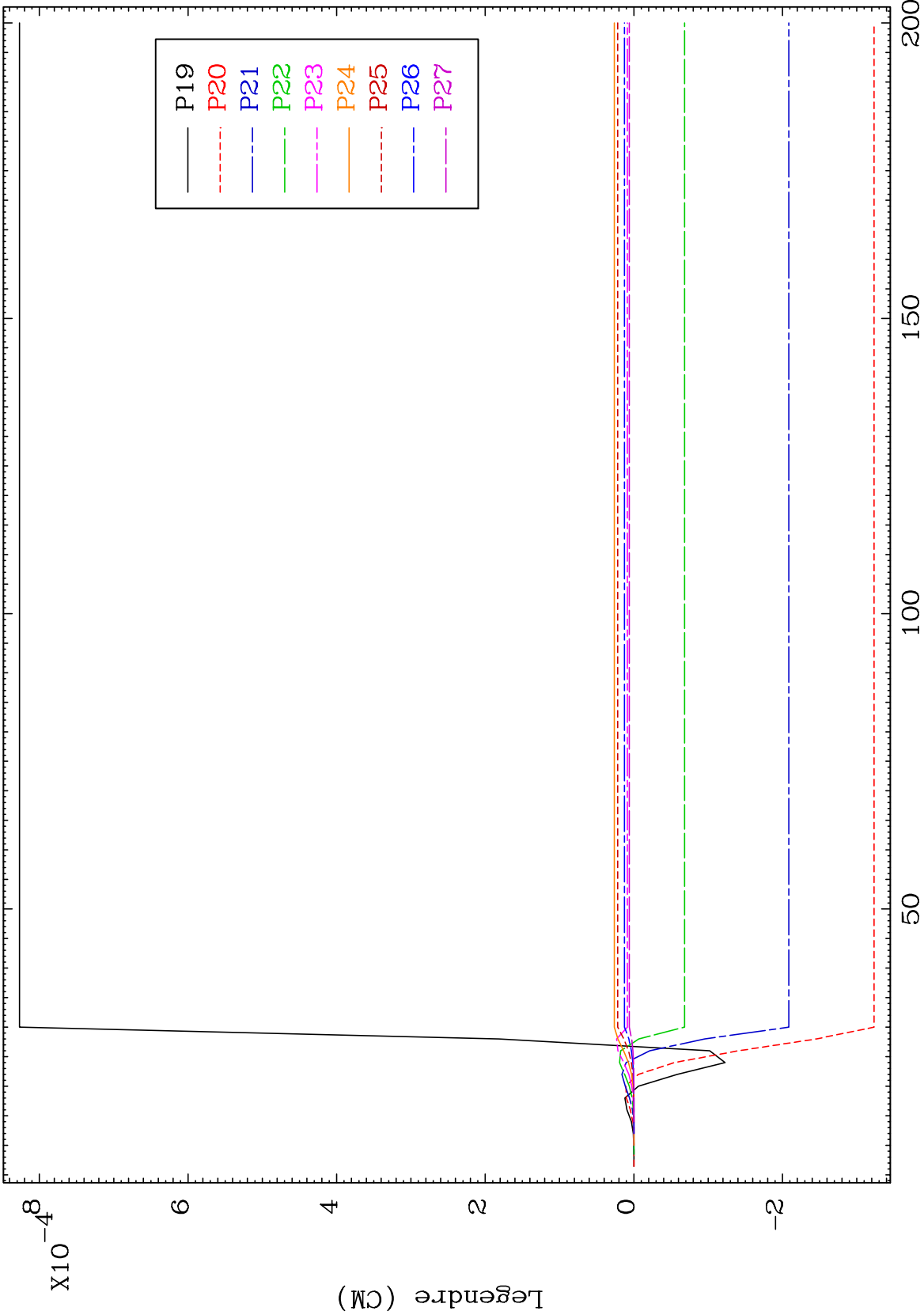
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

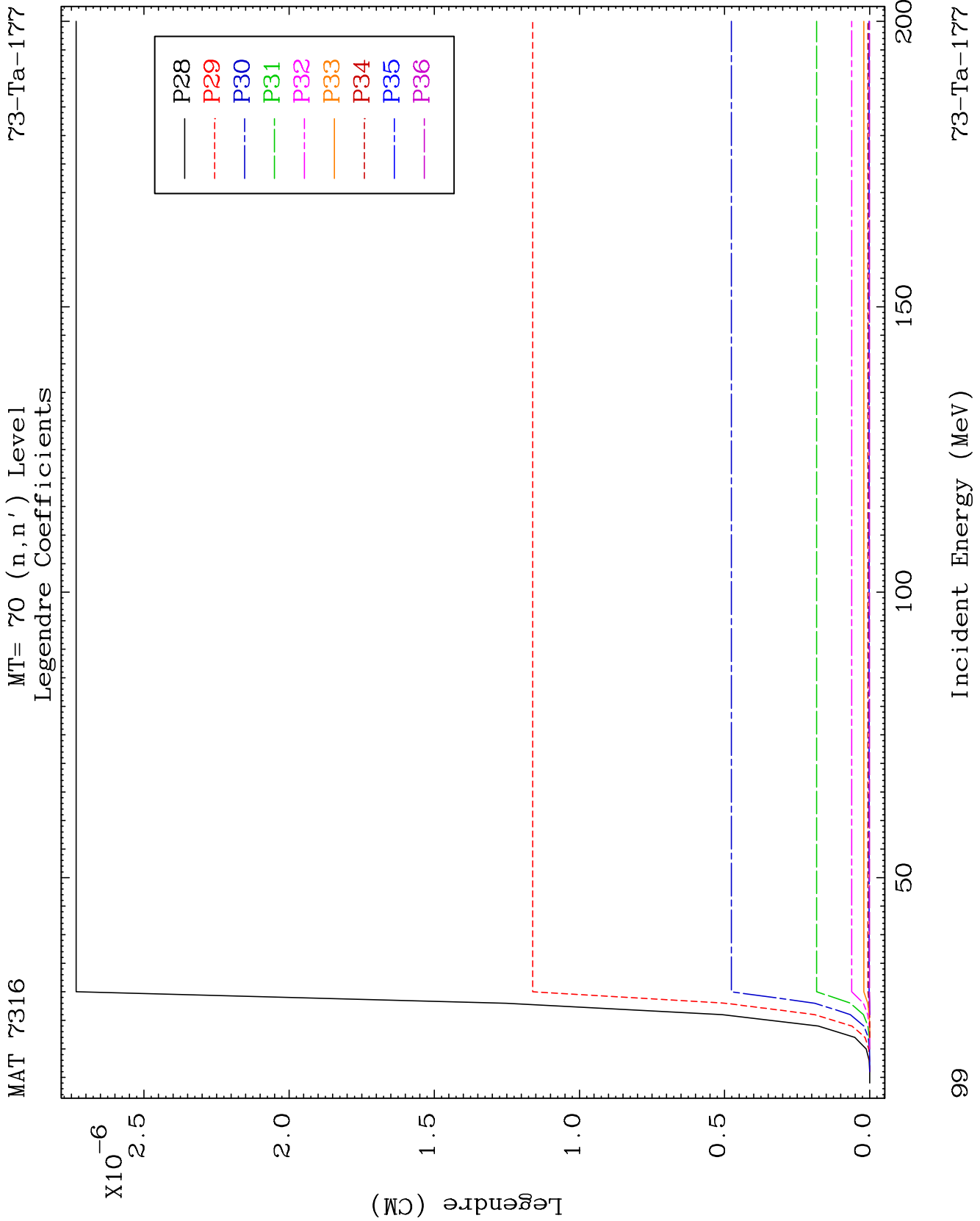
73-Ta-177

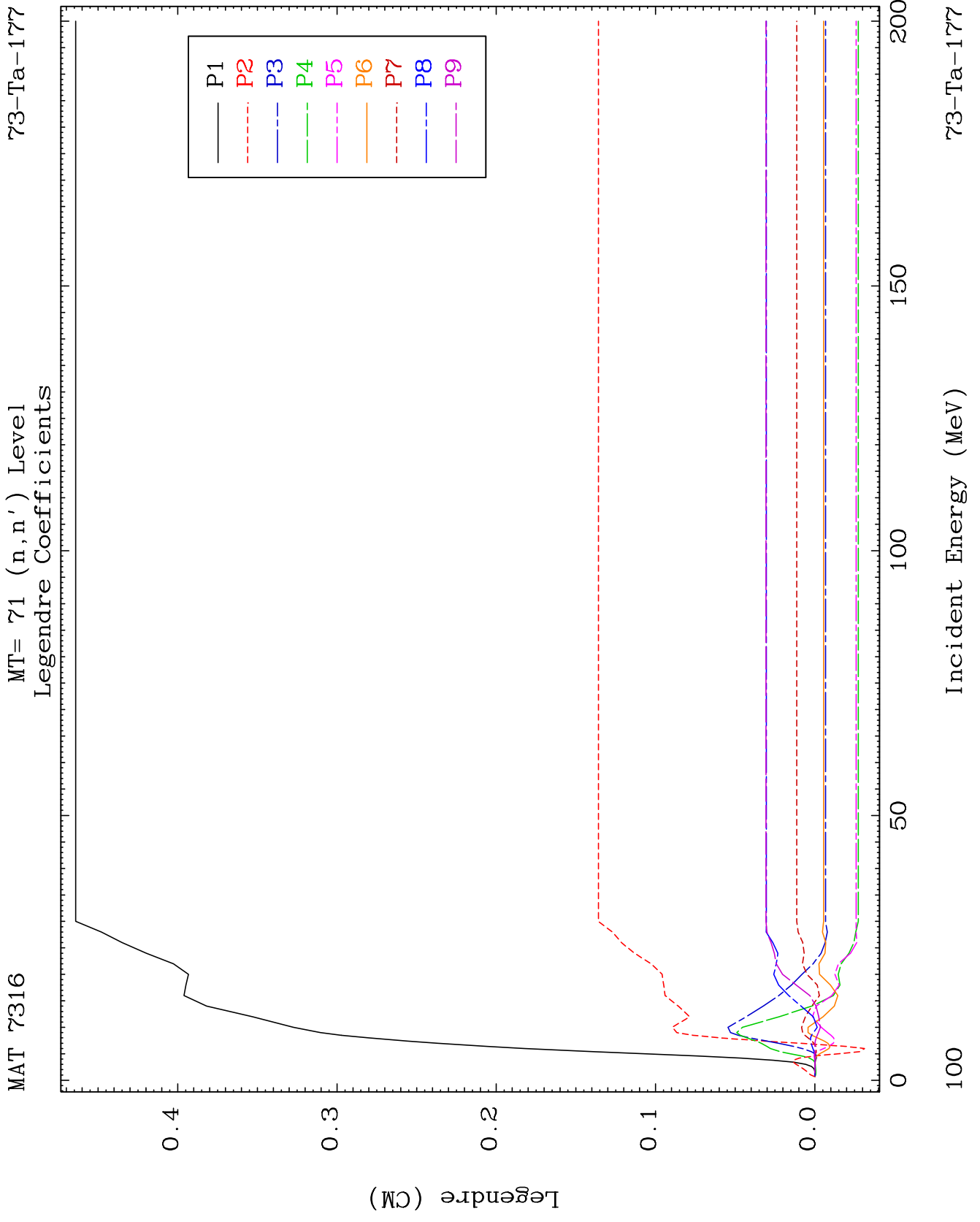


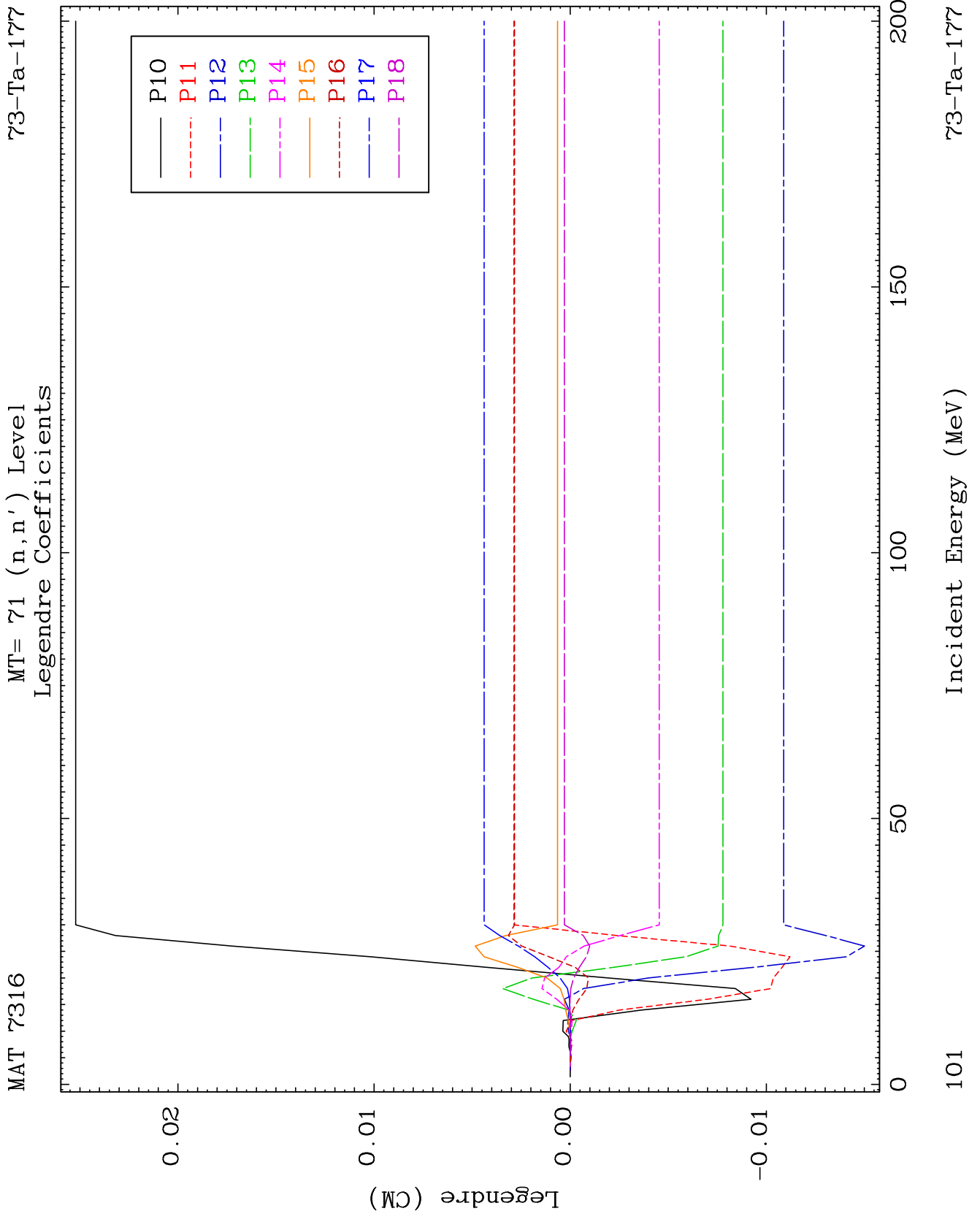
98

Incident Energy (MeV)

73-Ta-177



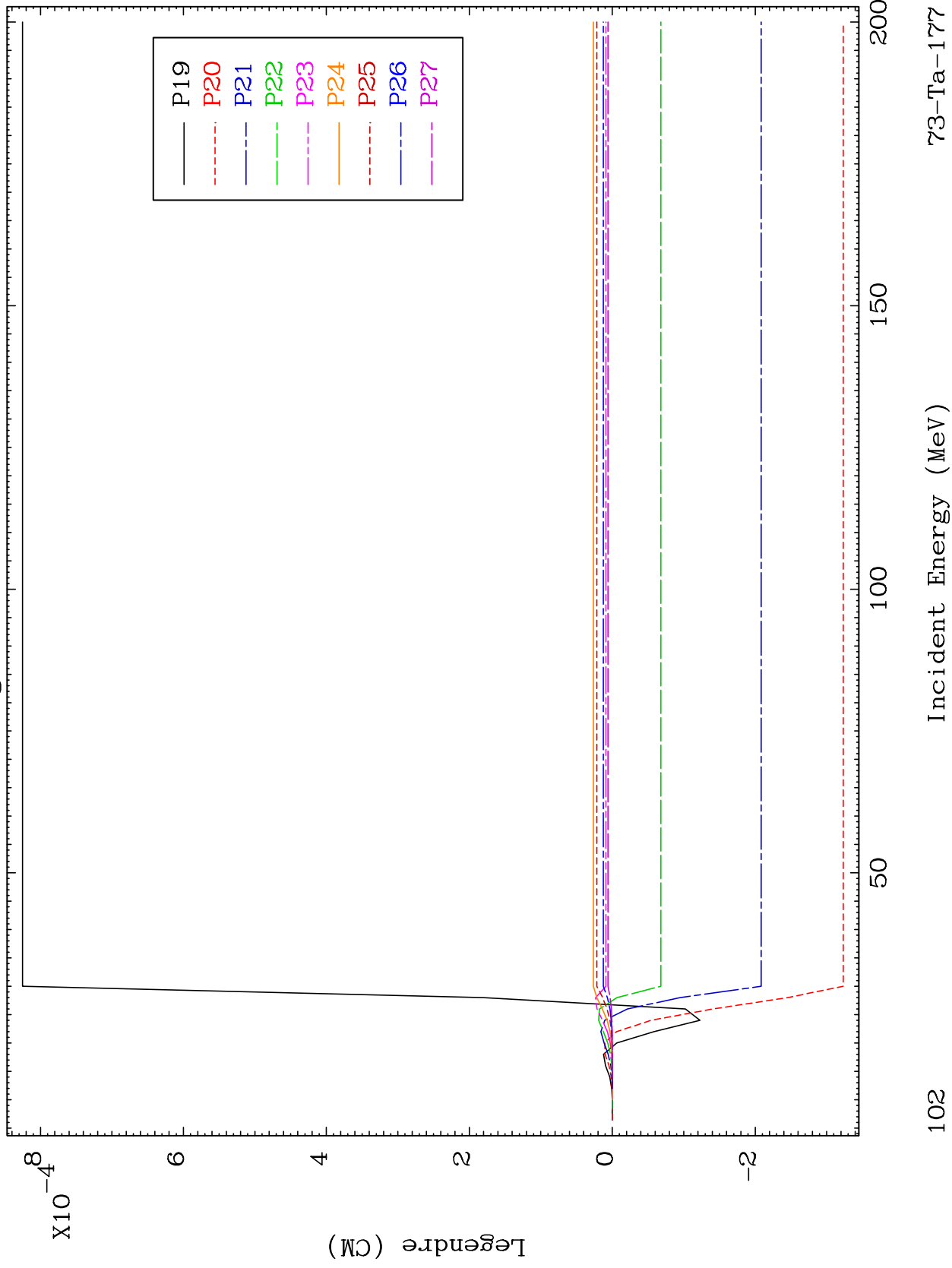




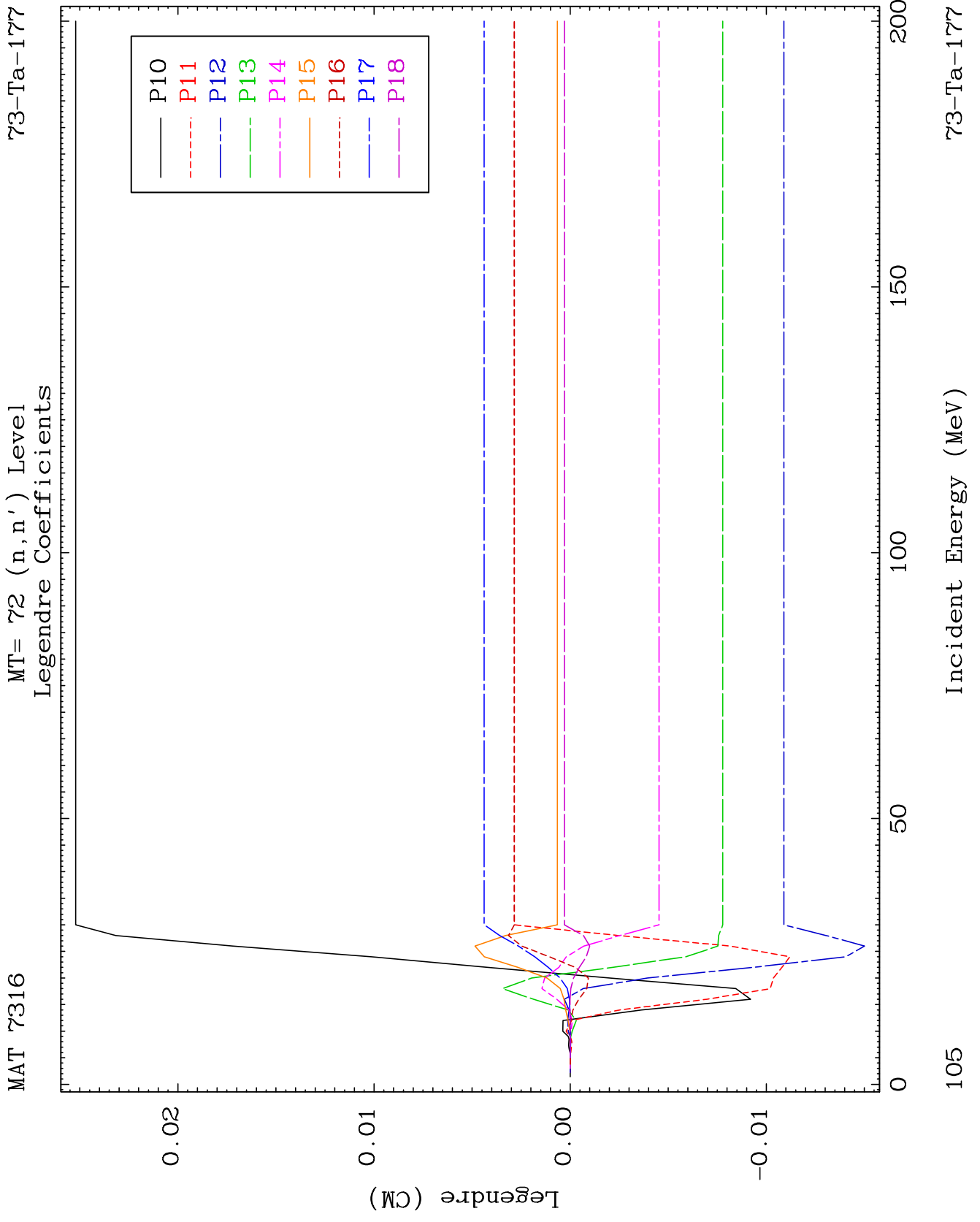
MAT 7316

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

73-Ta-177



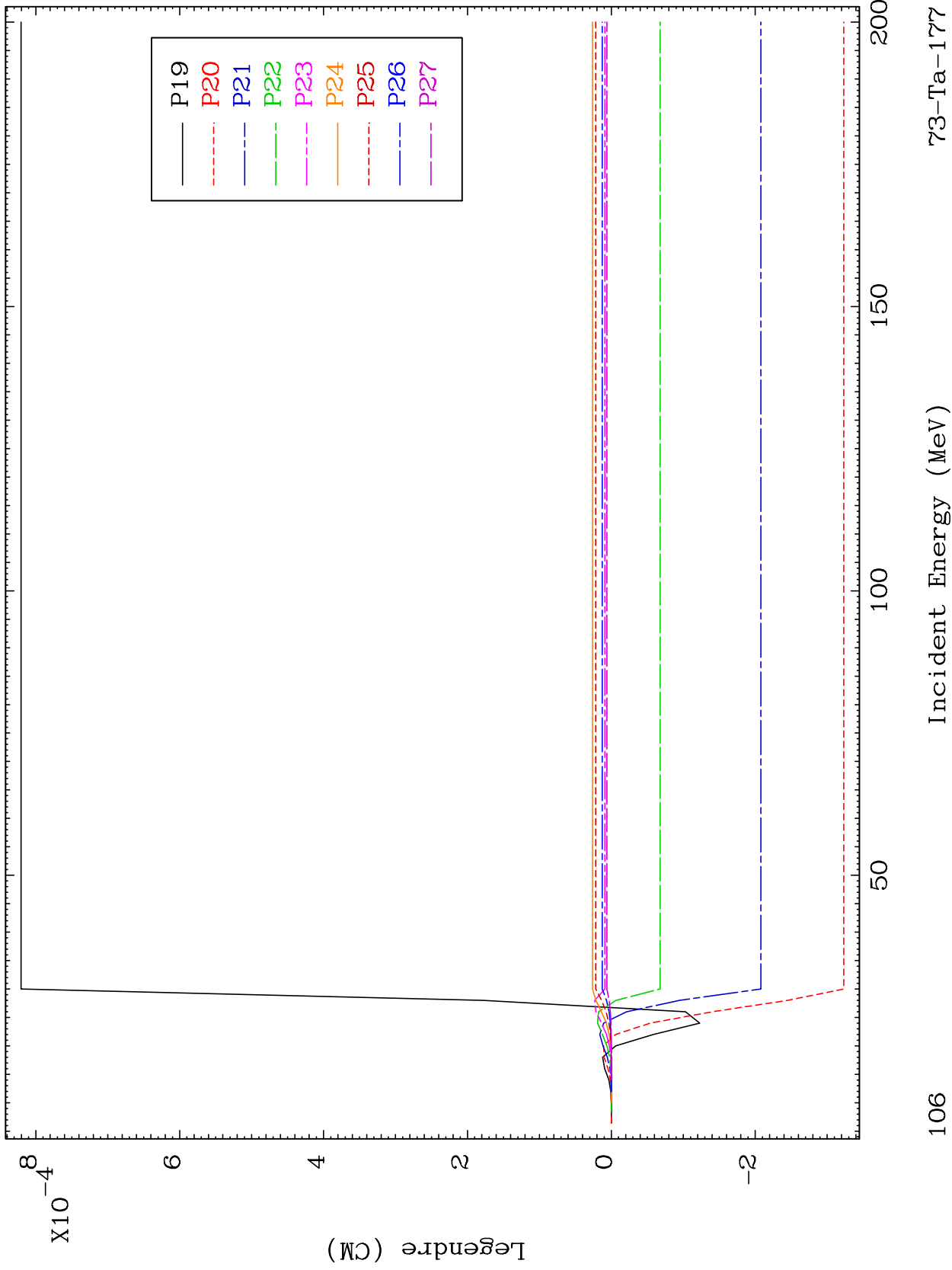
102



MAT 7316

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

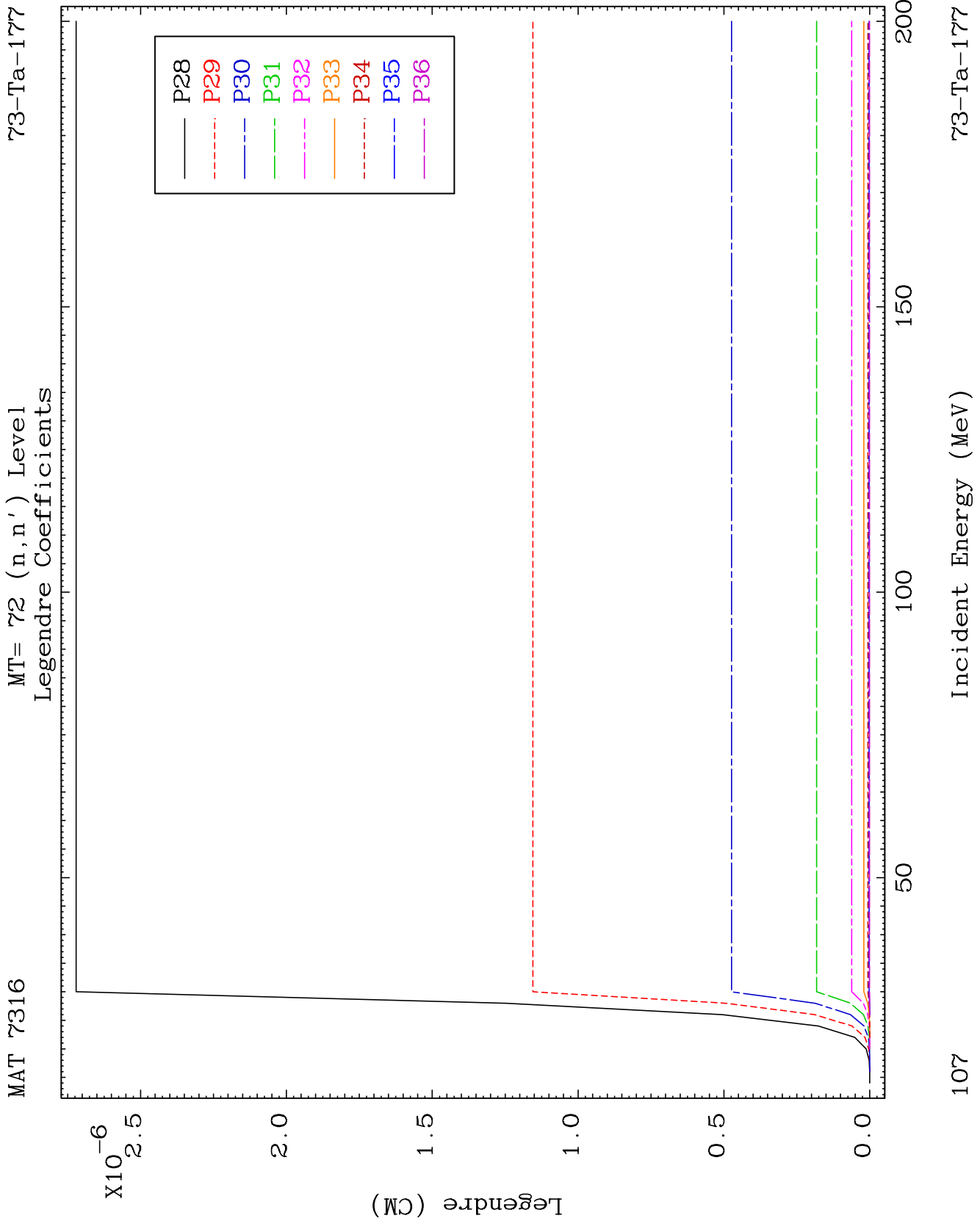
73-Ta-177



106

Incident Energy (MeV)

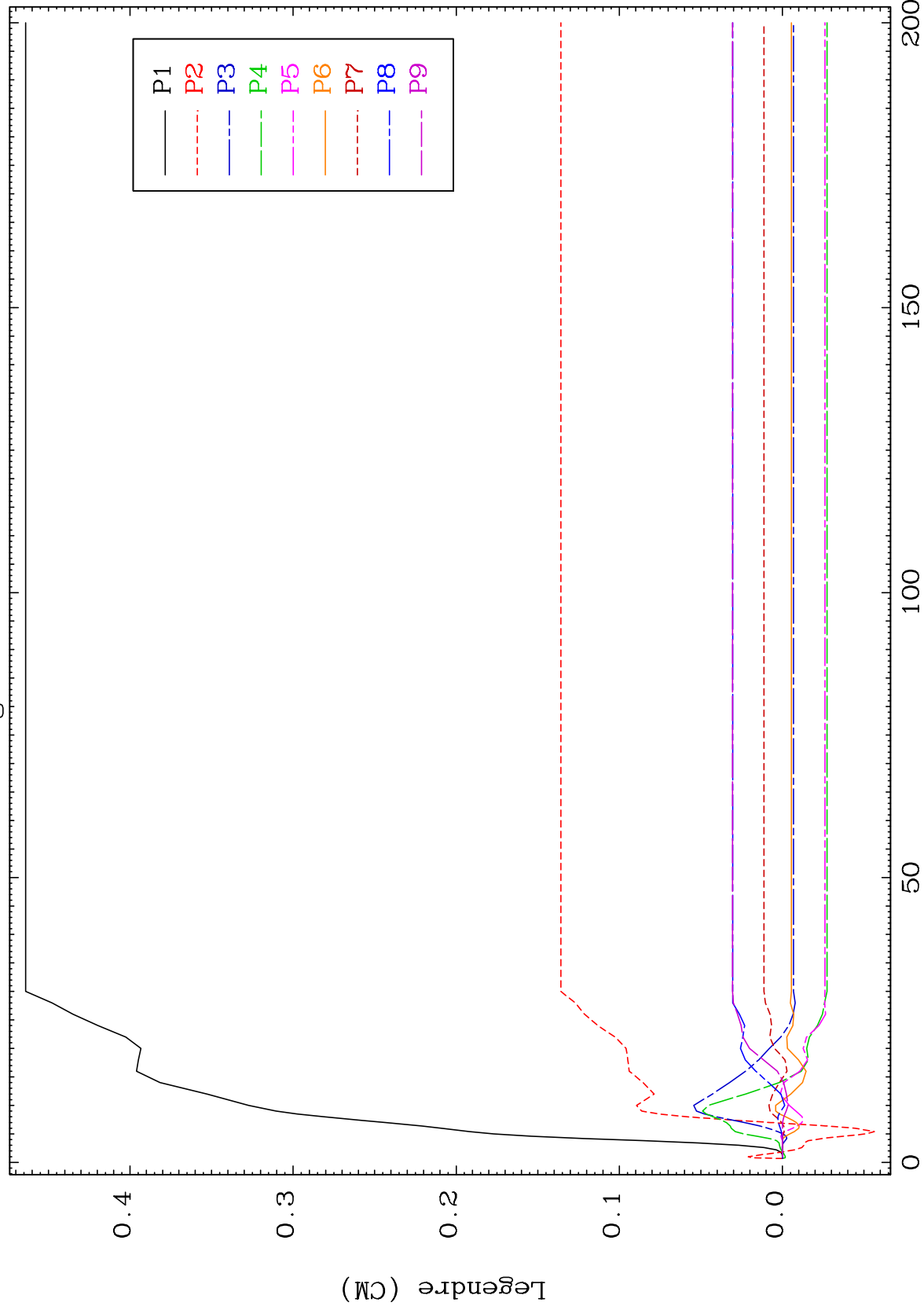
73-Ta-177



MAT 7316

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

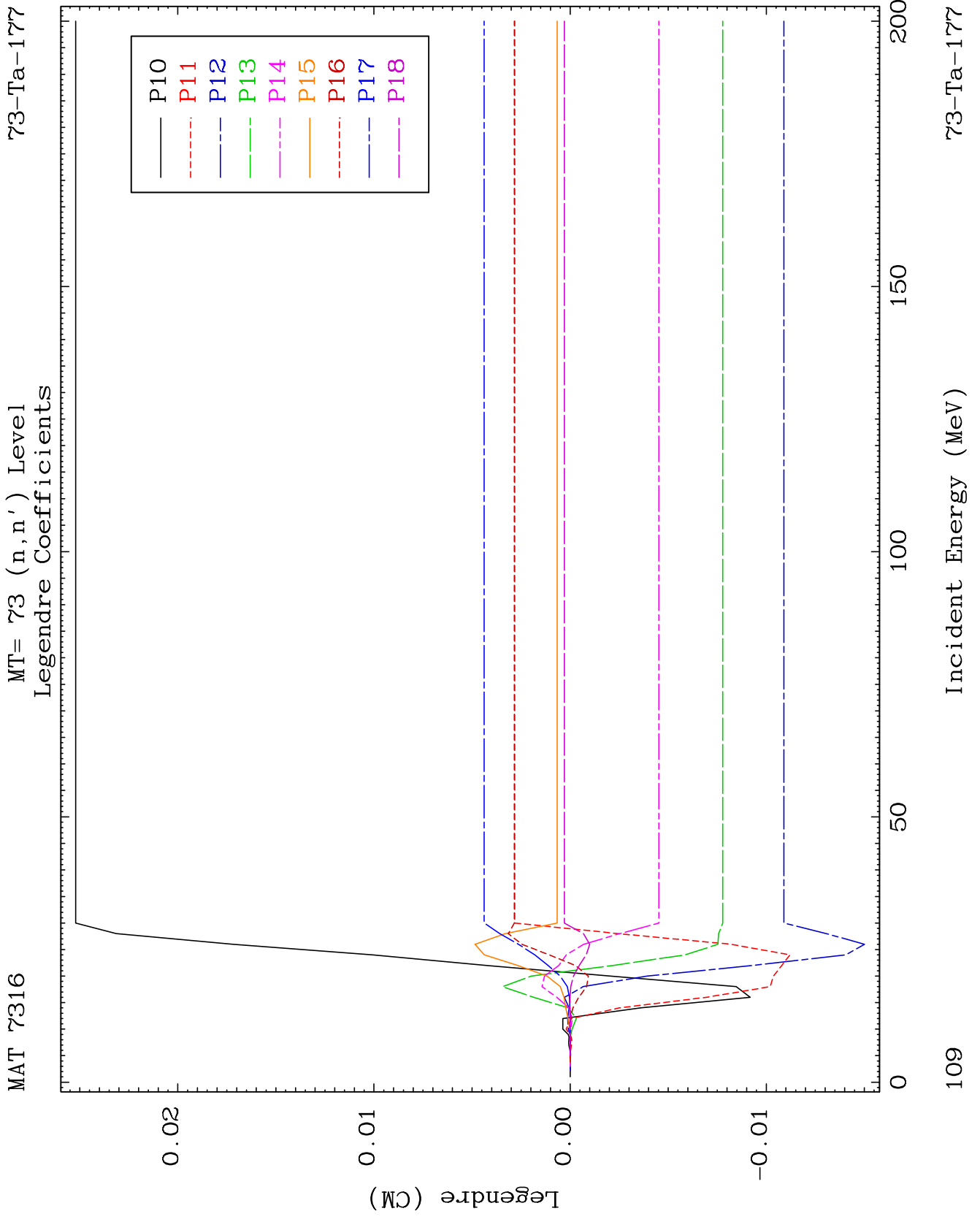
73-Ta-177

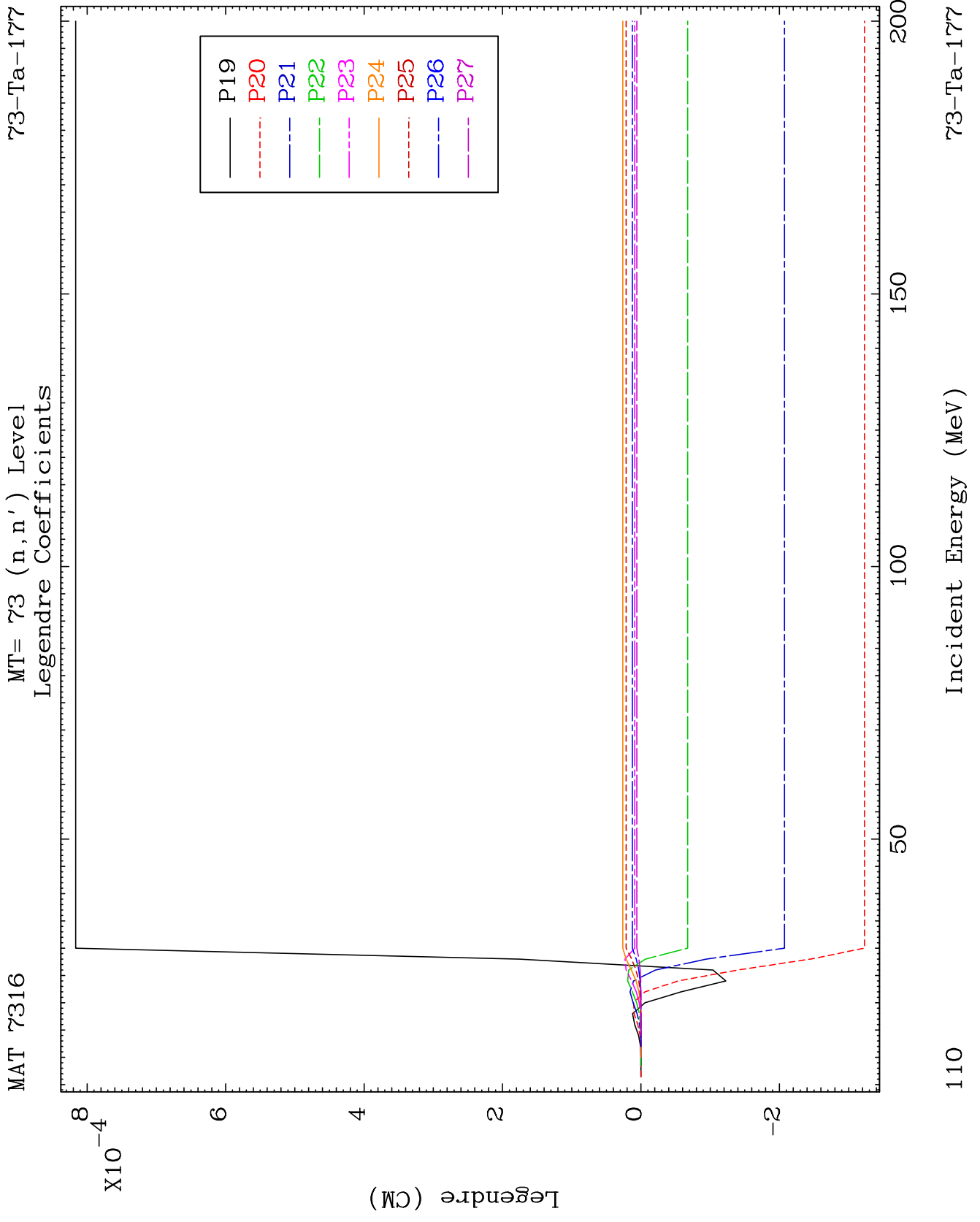


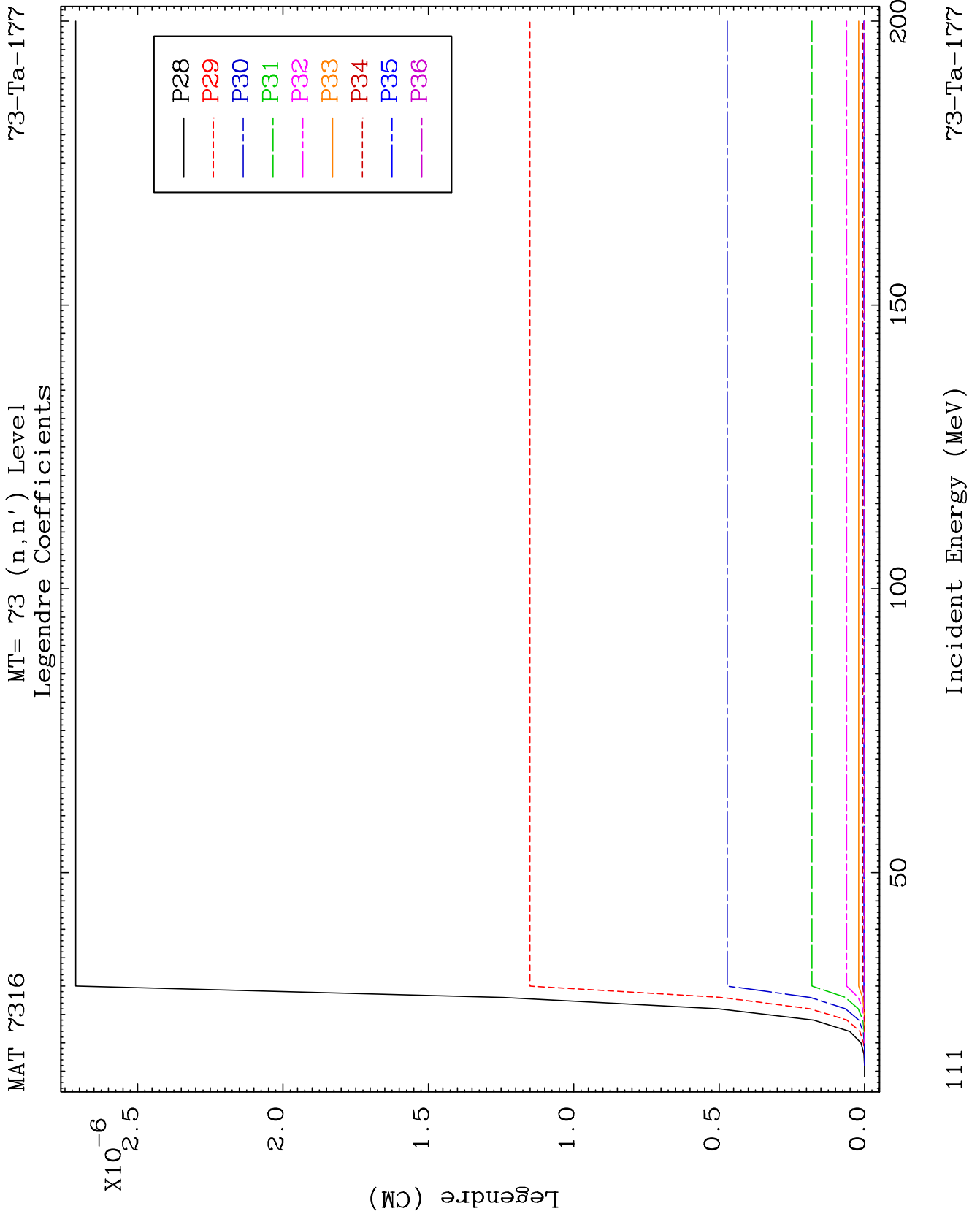
108

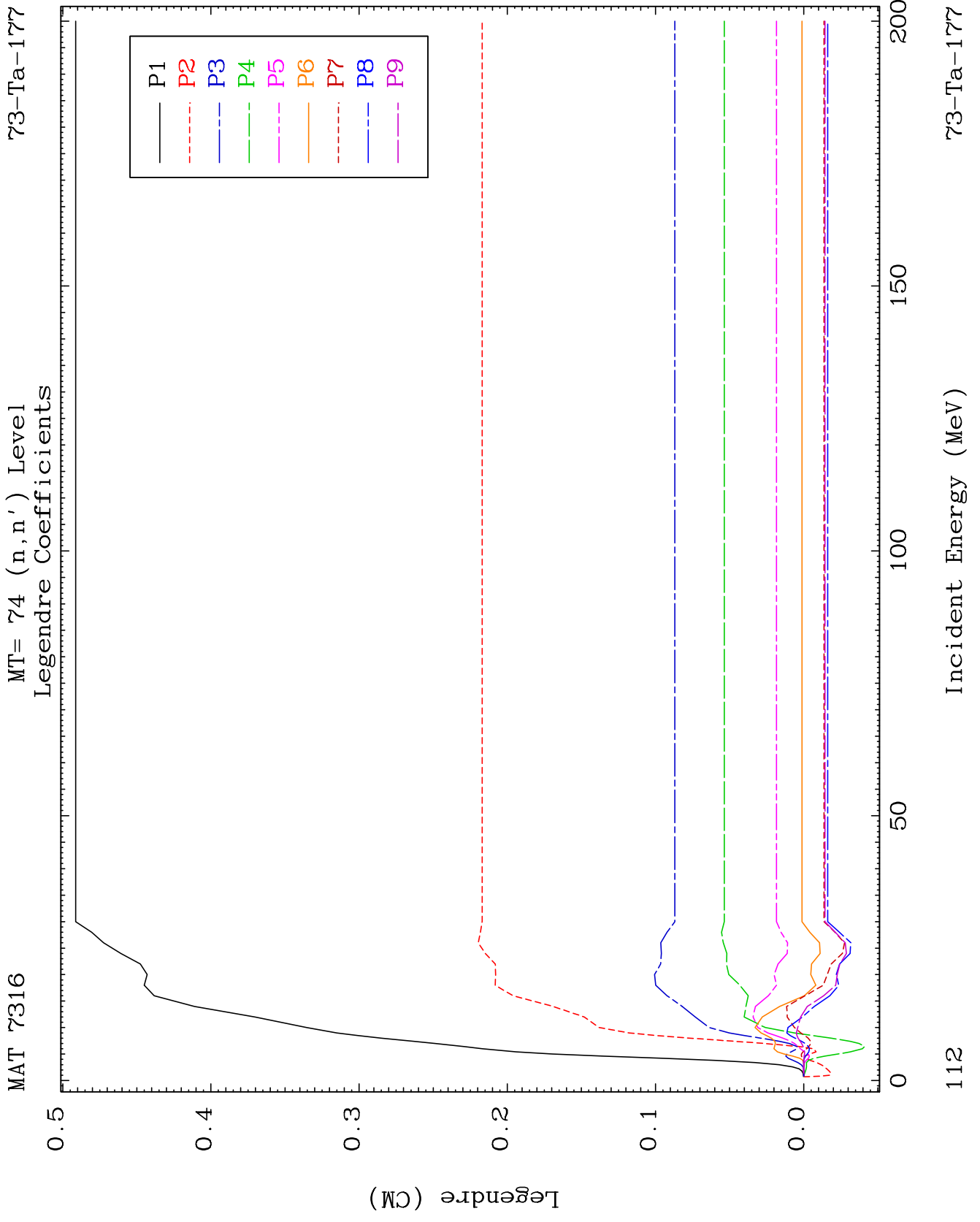
Incident Energy (MeV)

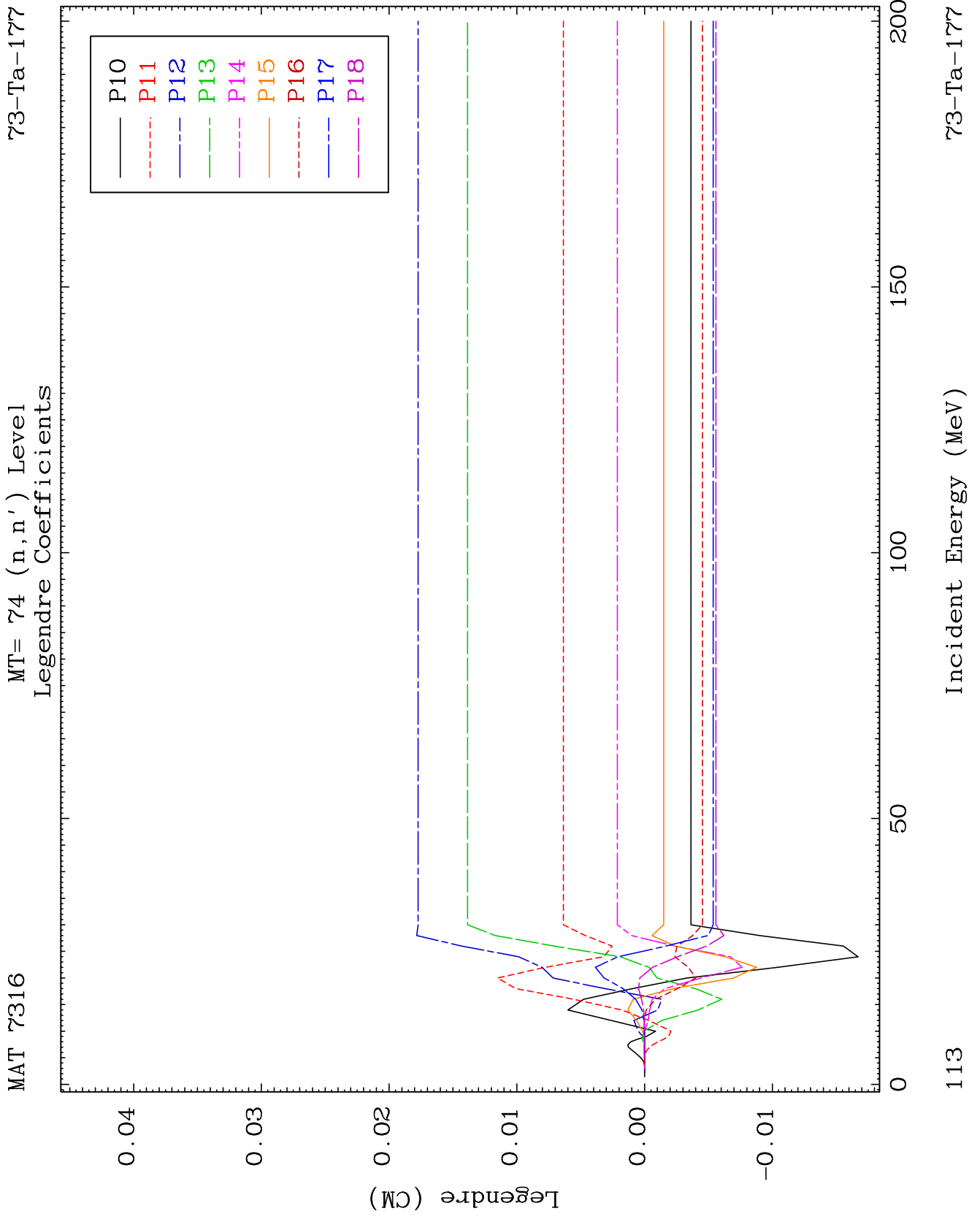
73-Ta-177

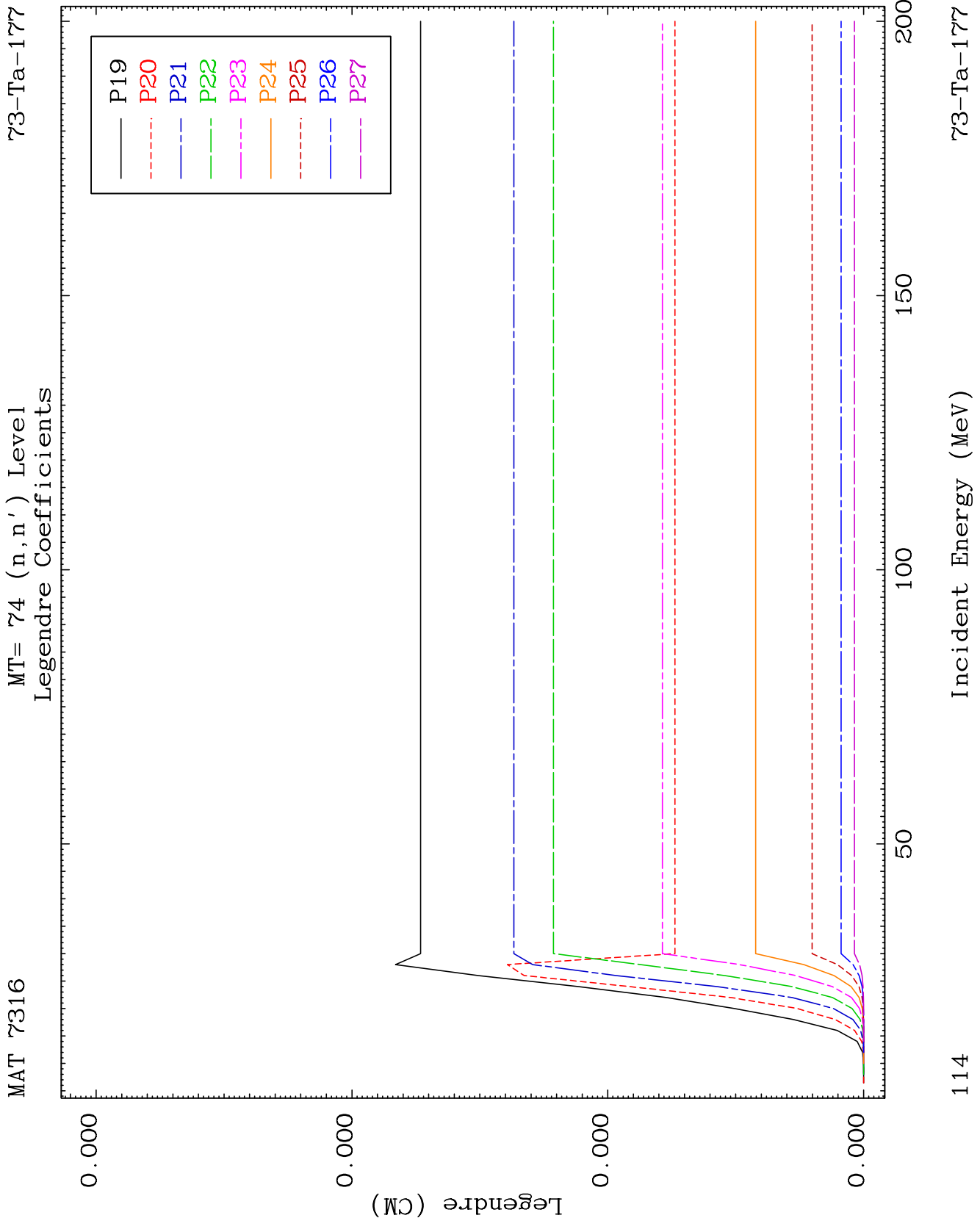


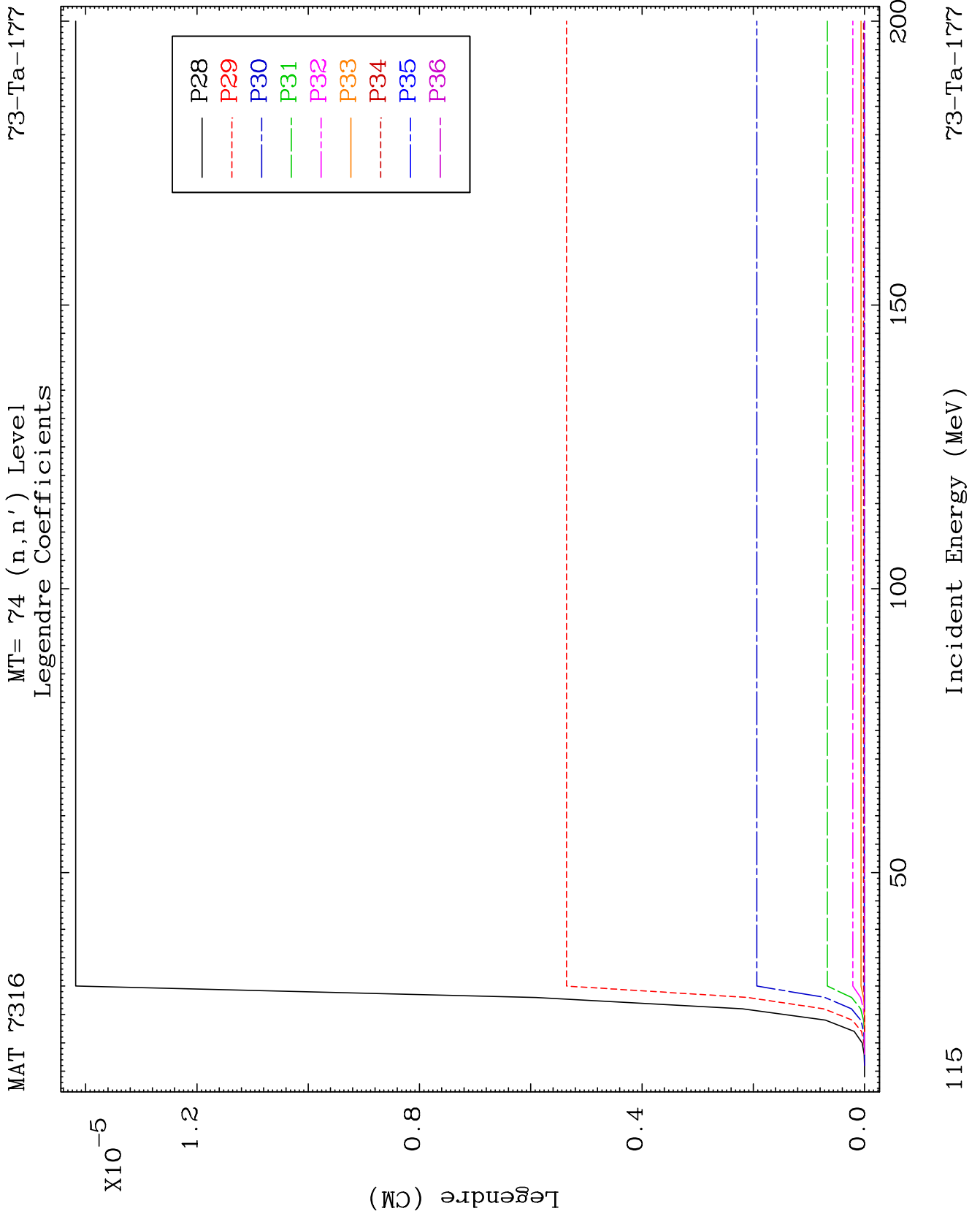








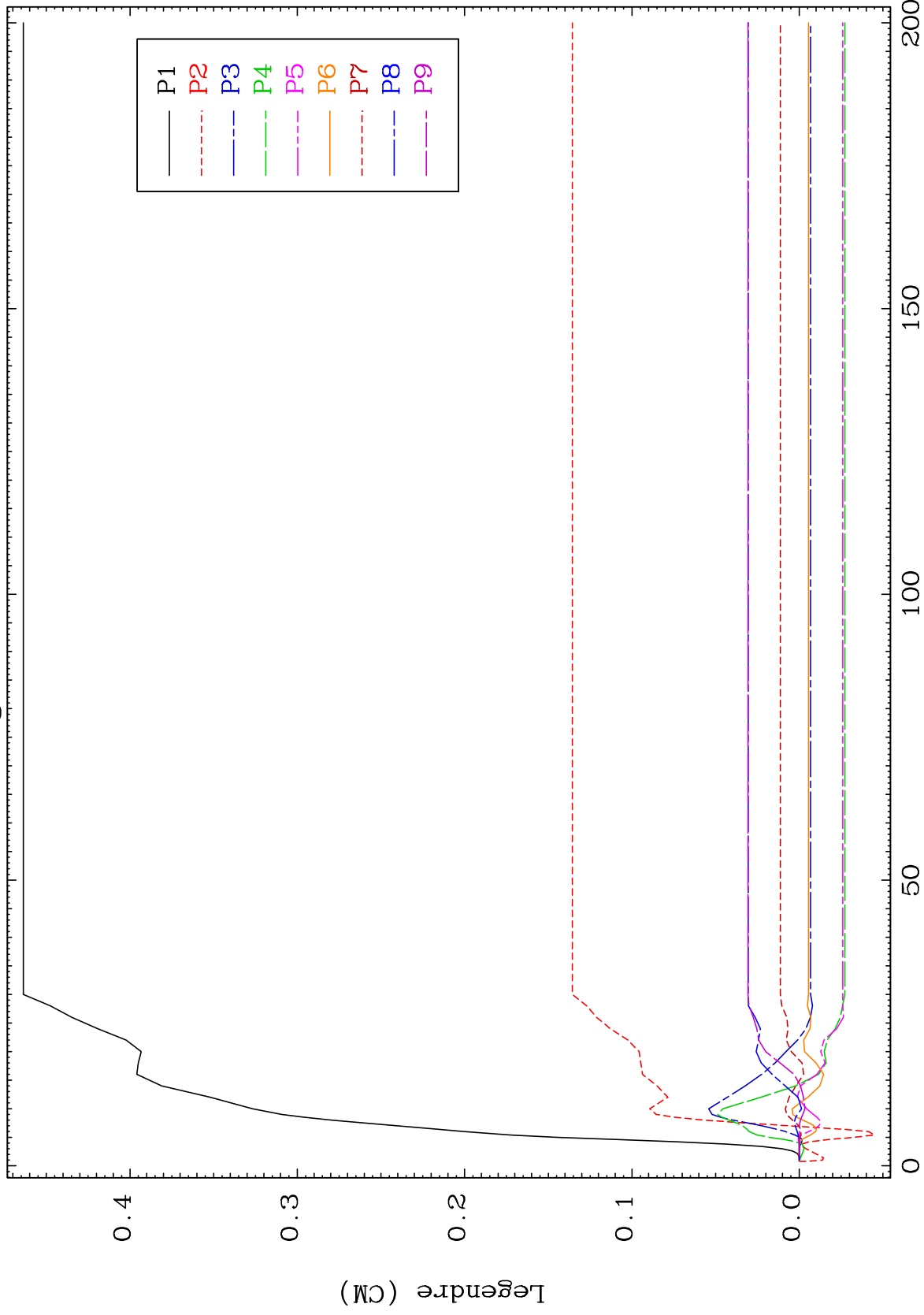




MAT 7316

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

73-Ta-177



116

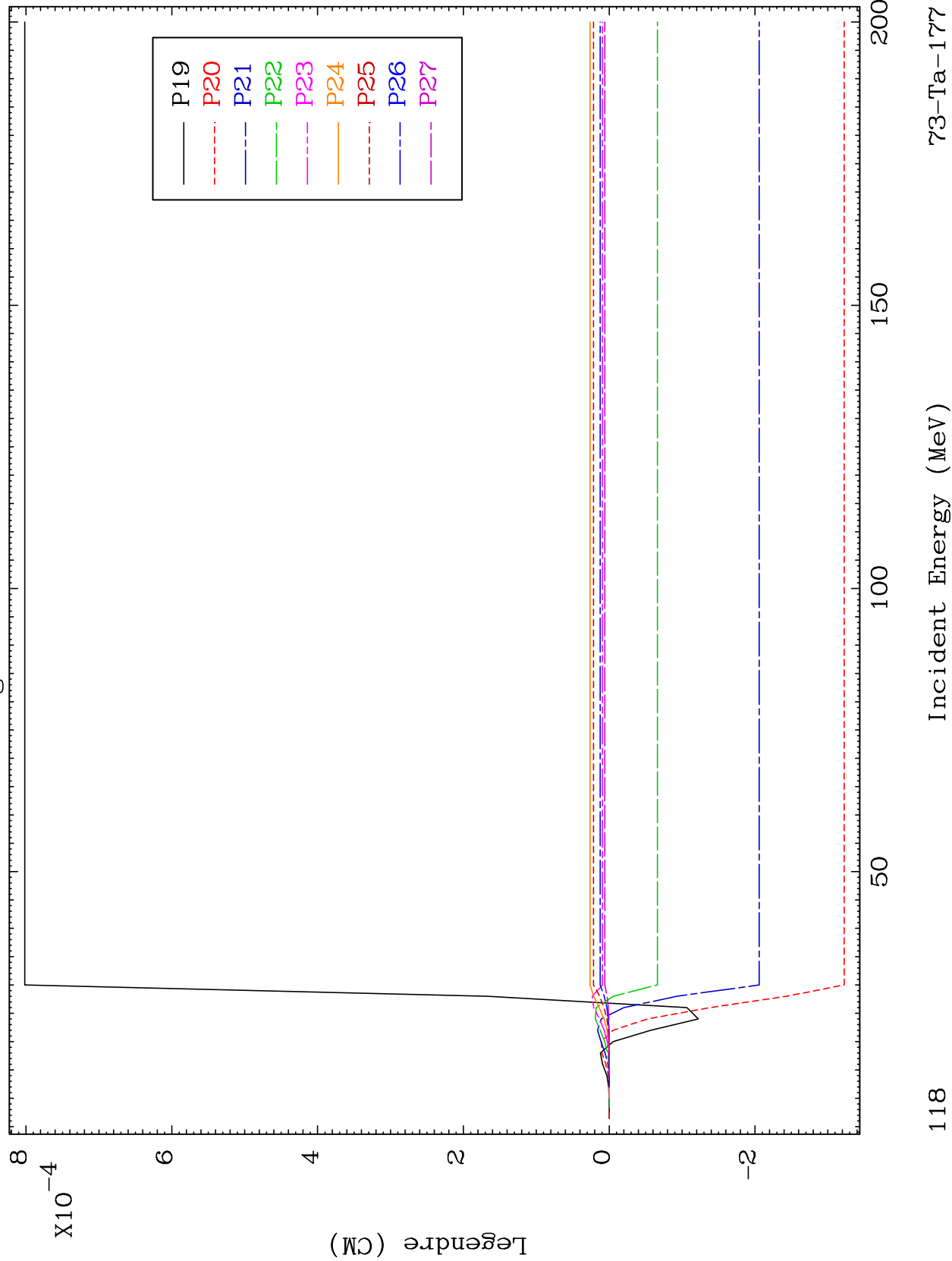
Incident Energy (MeV)

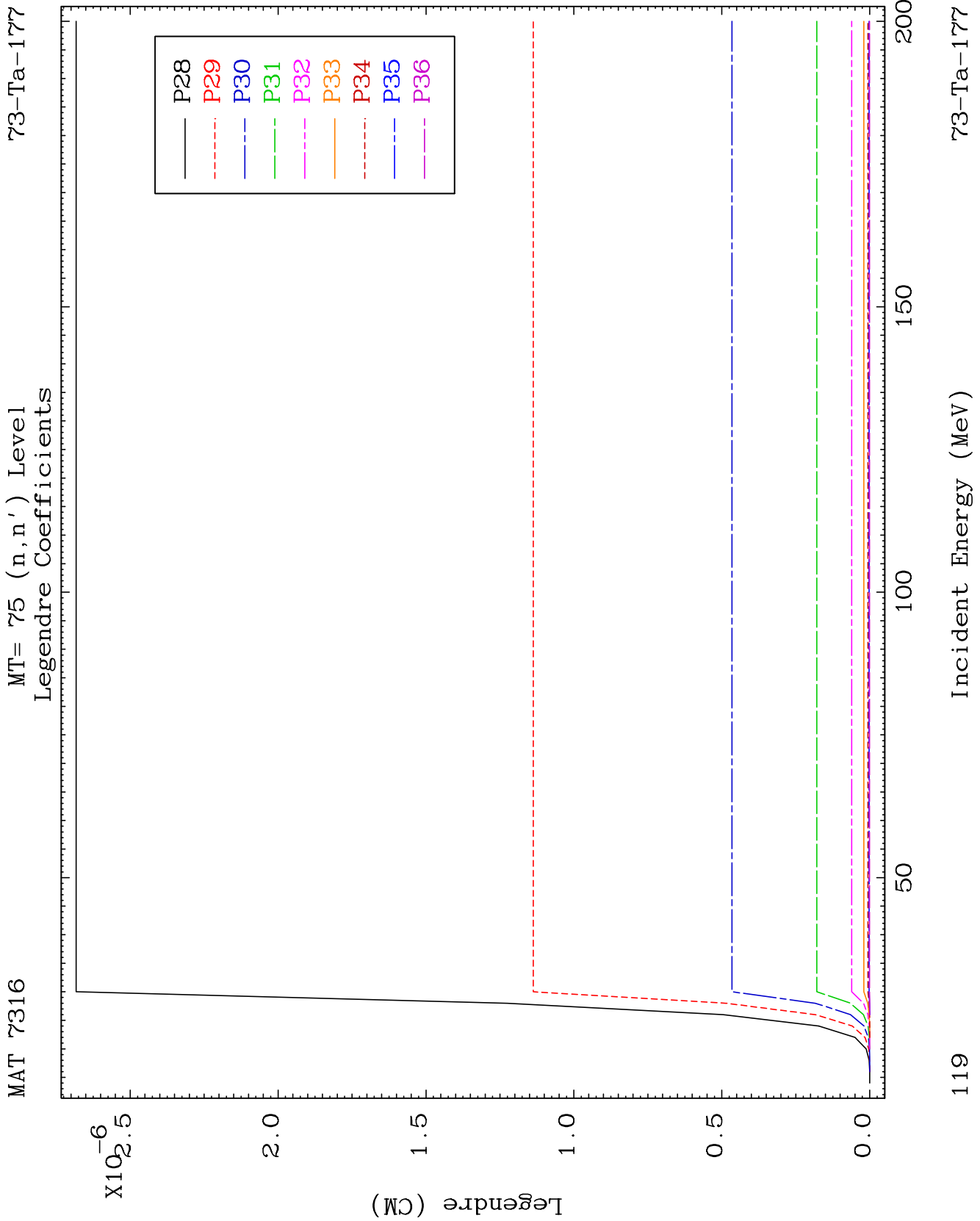
73-Ta-177

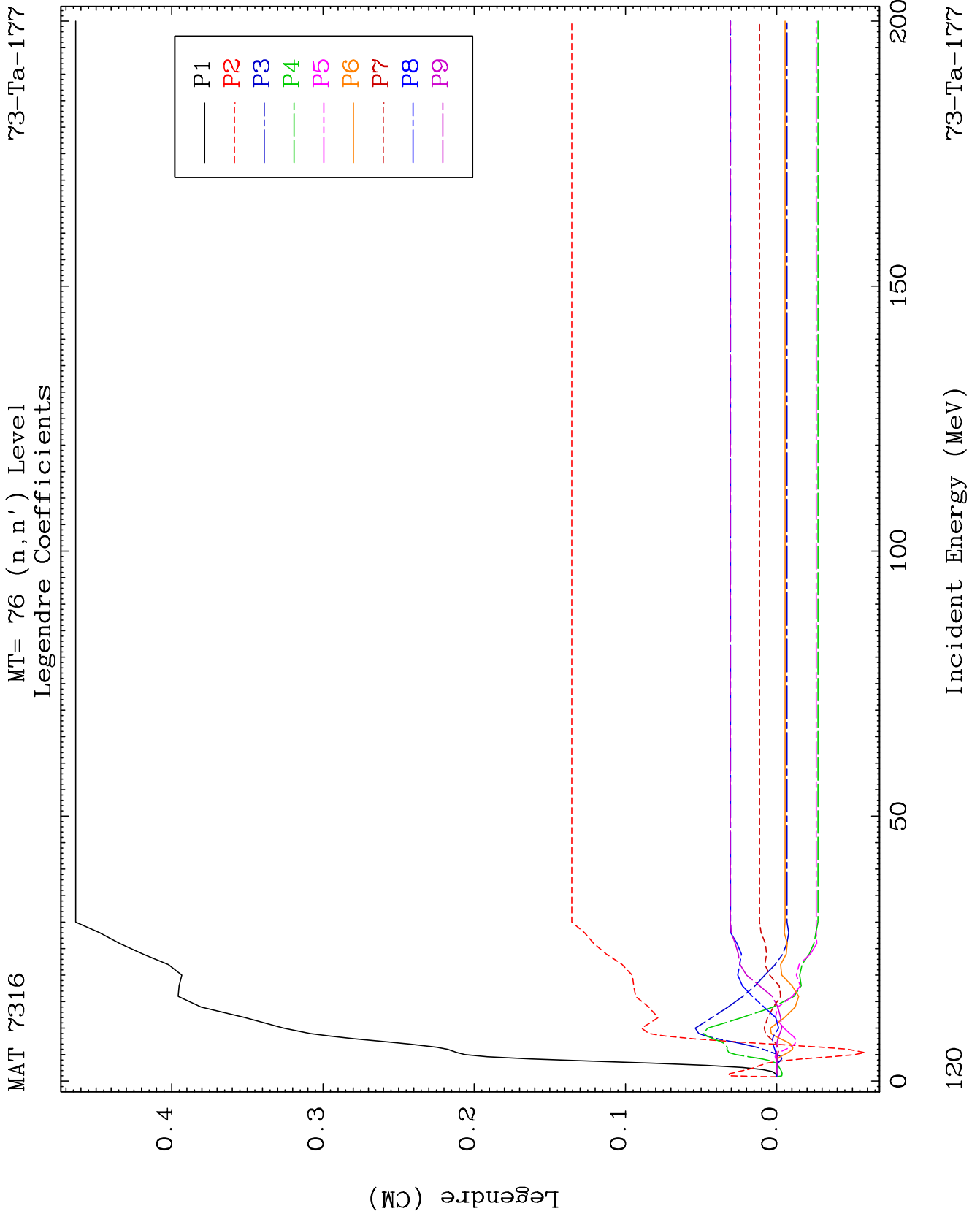
MAT 7316

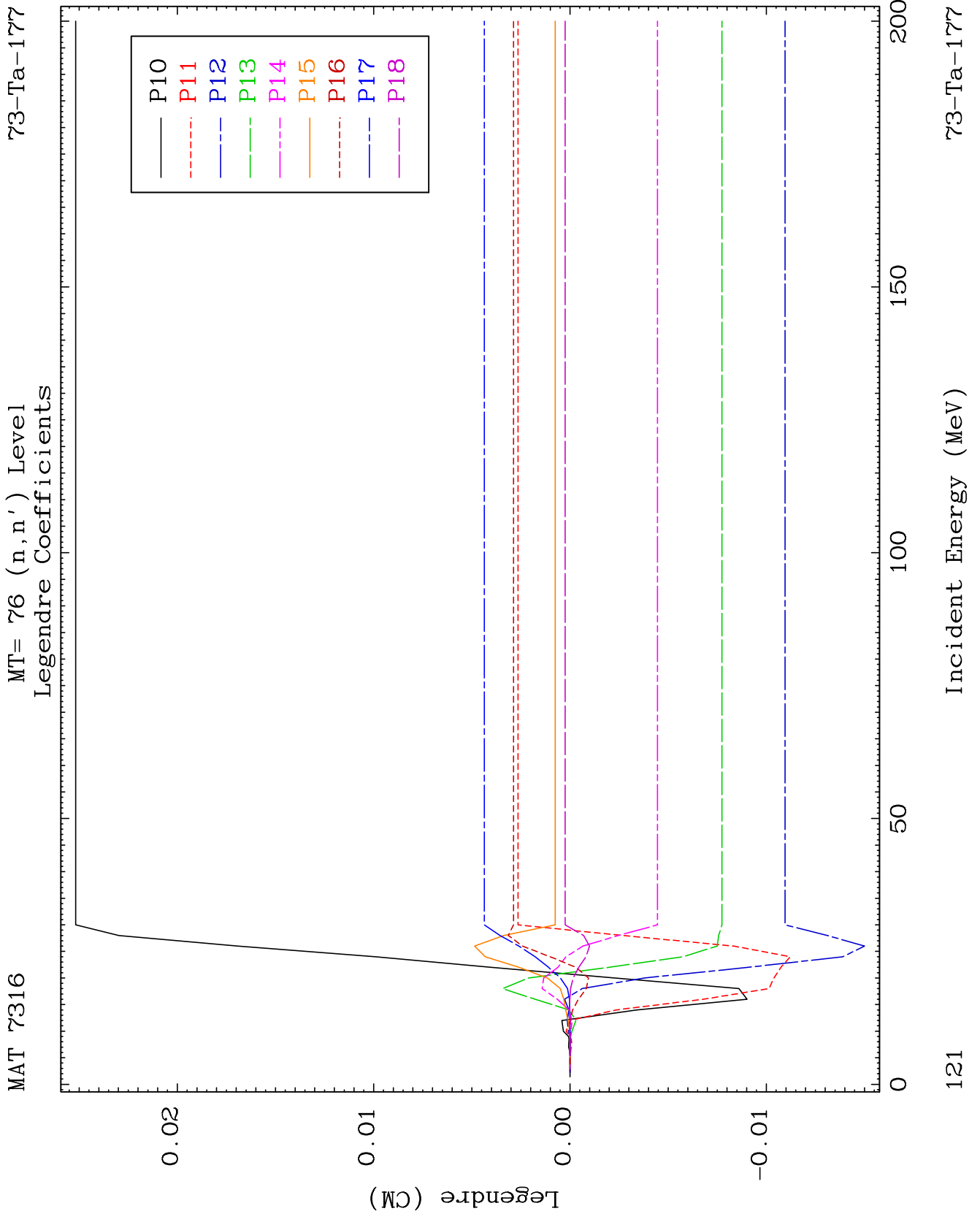
MT= 75 (n,n') Level
Legendre Coefficients

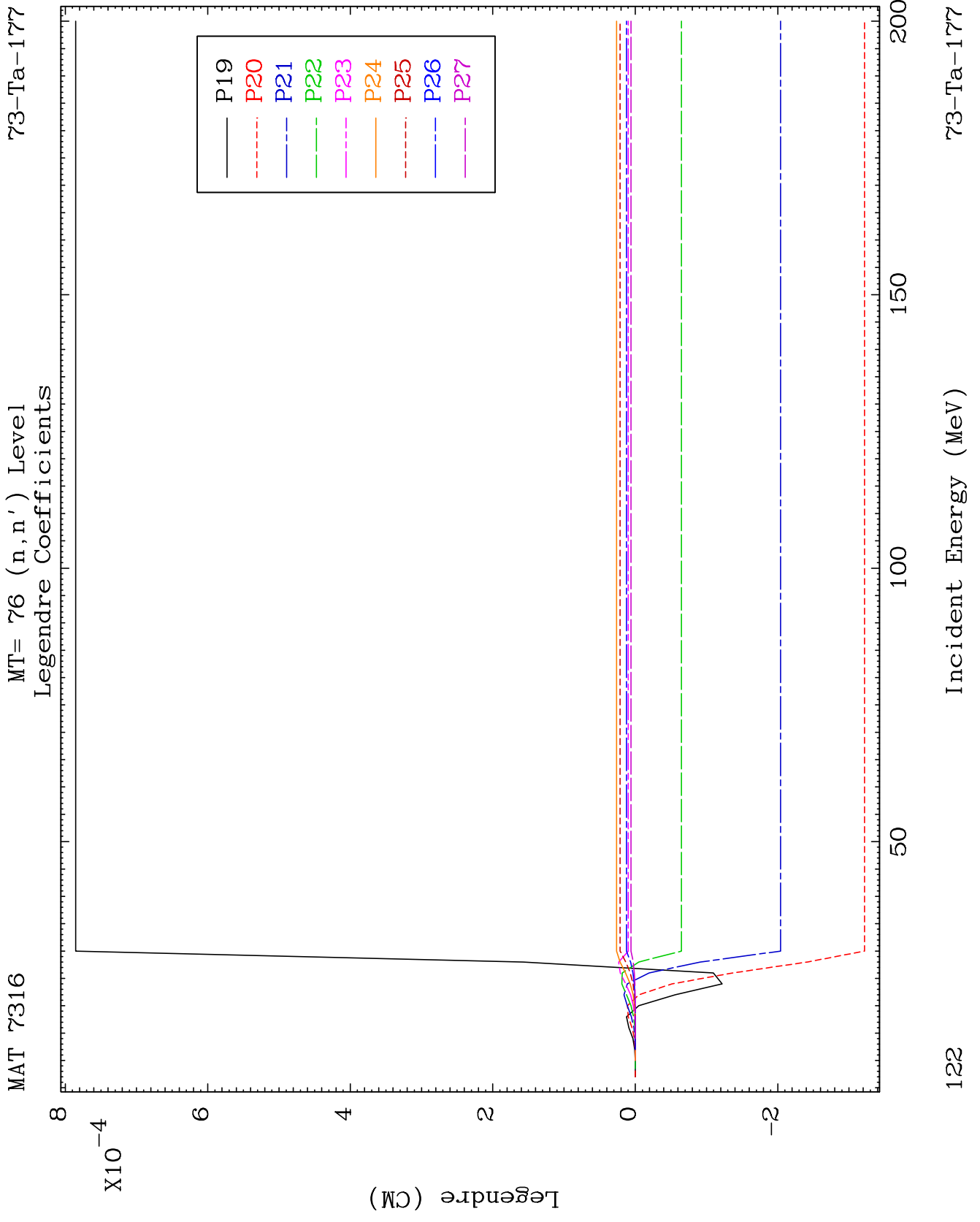
73-Ta-177

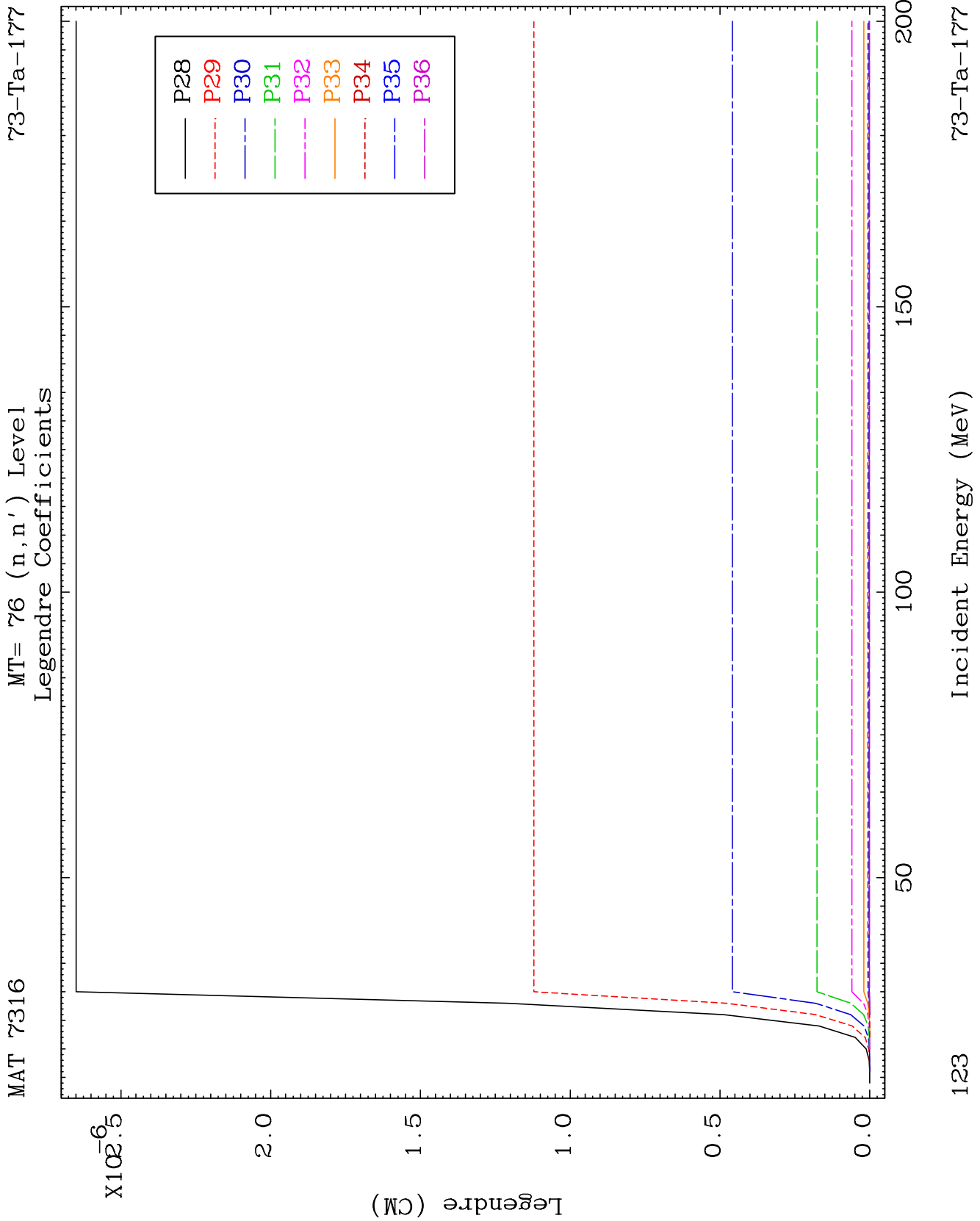


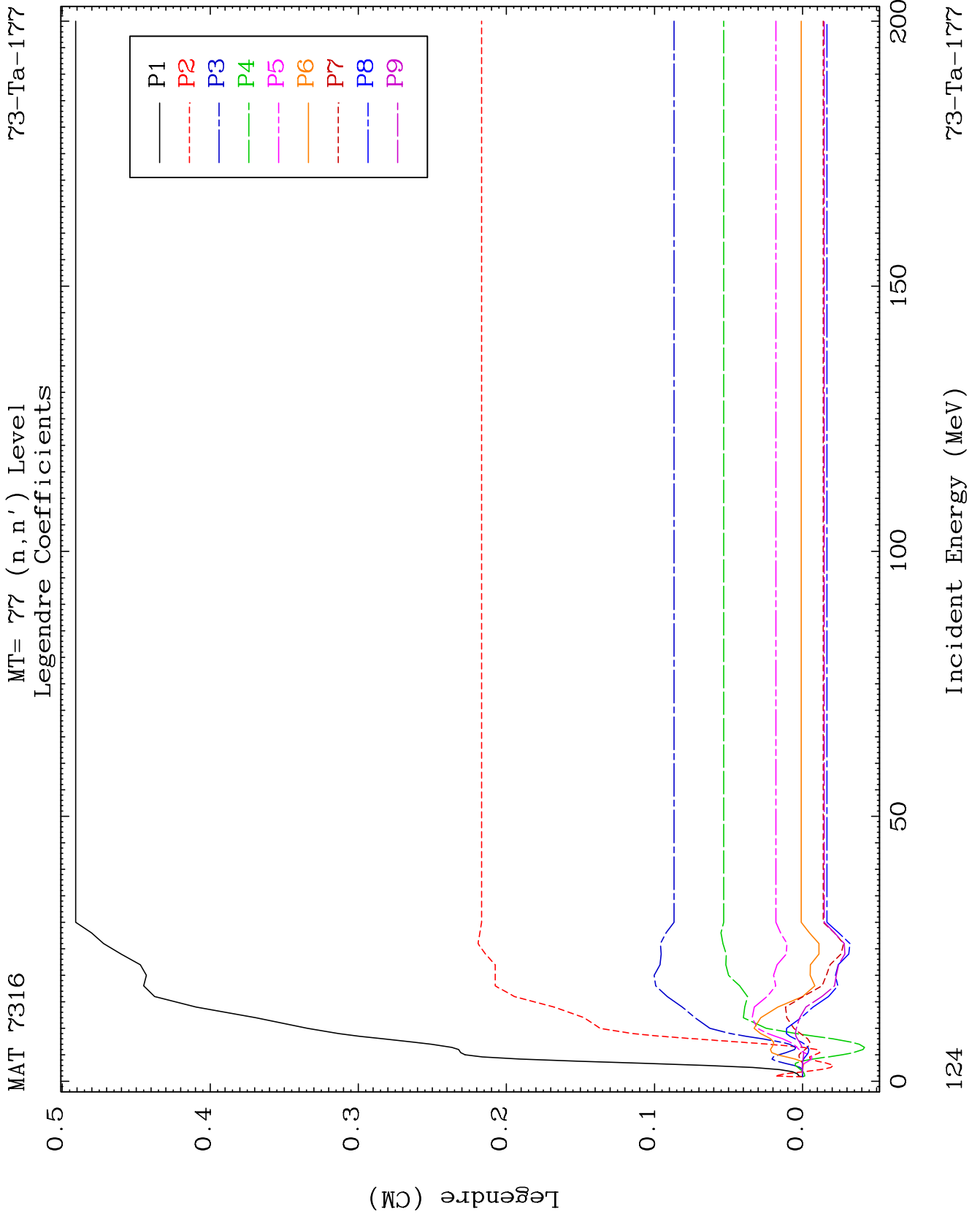








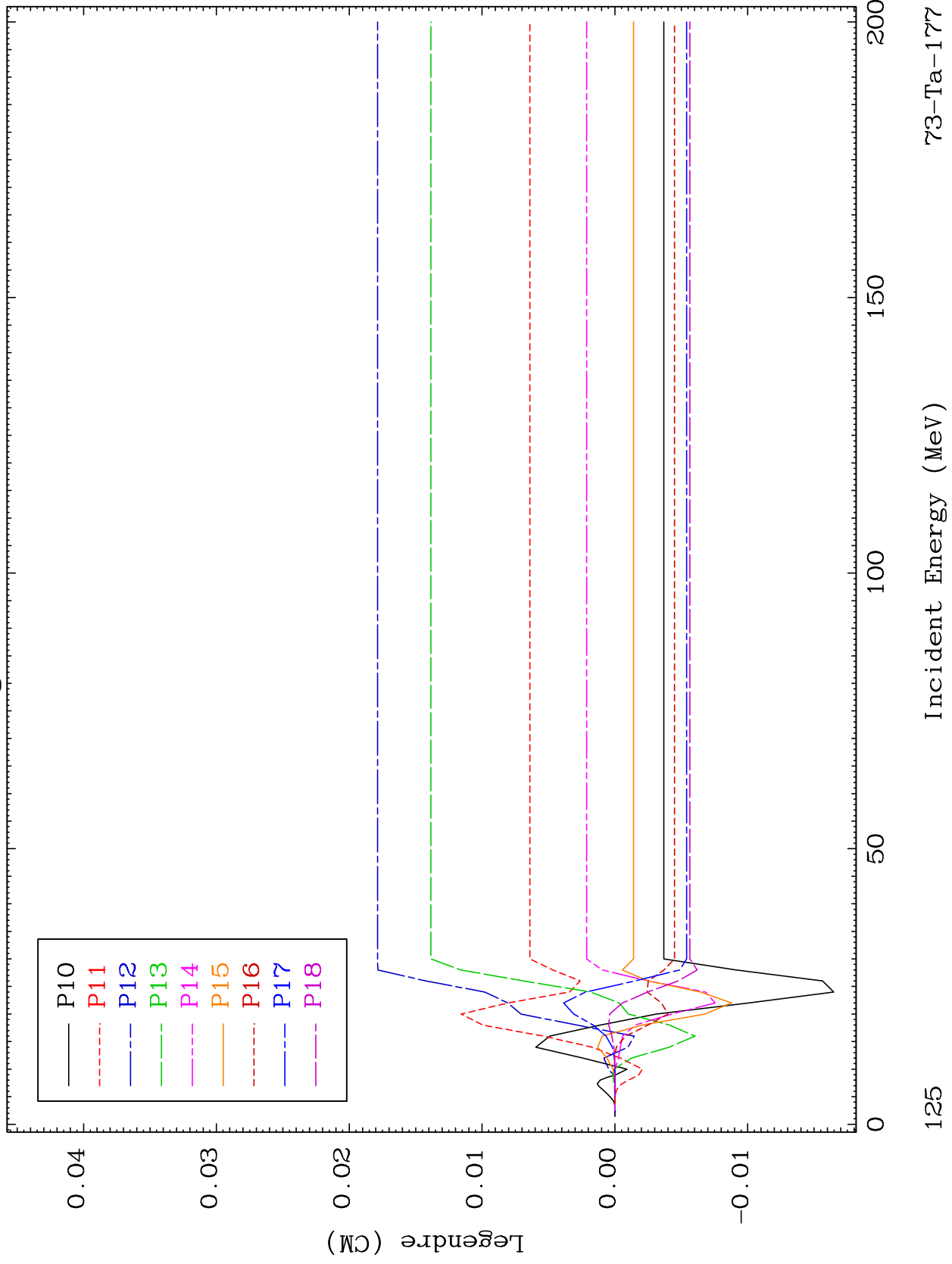




MAT 7316

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

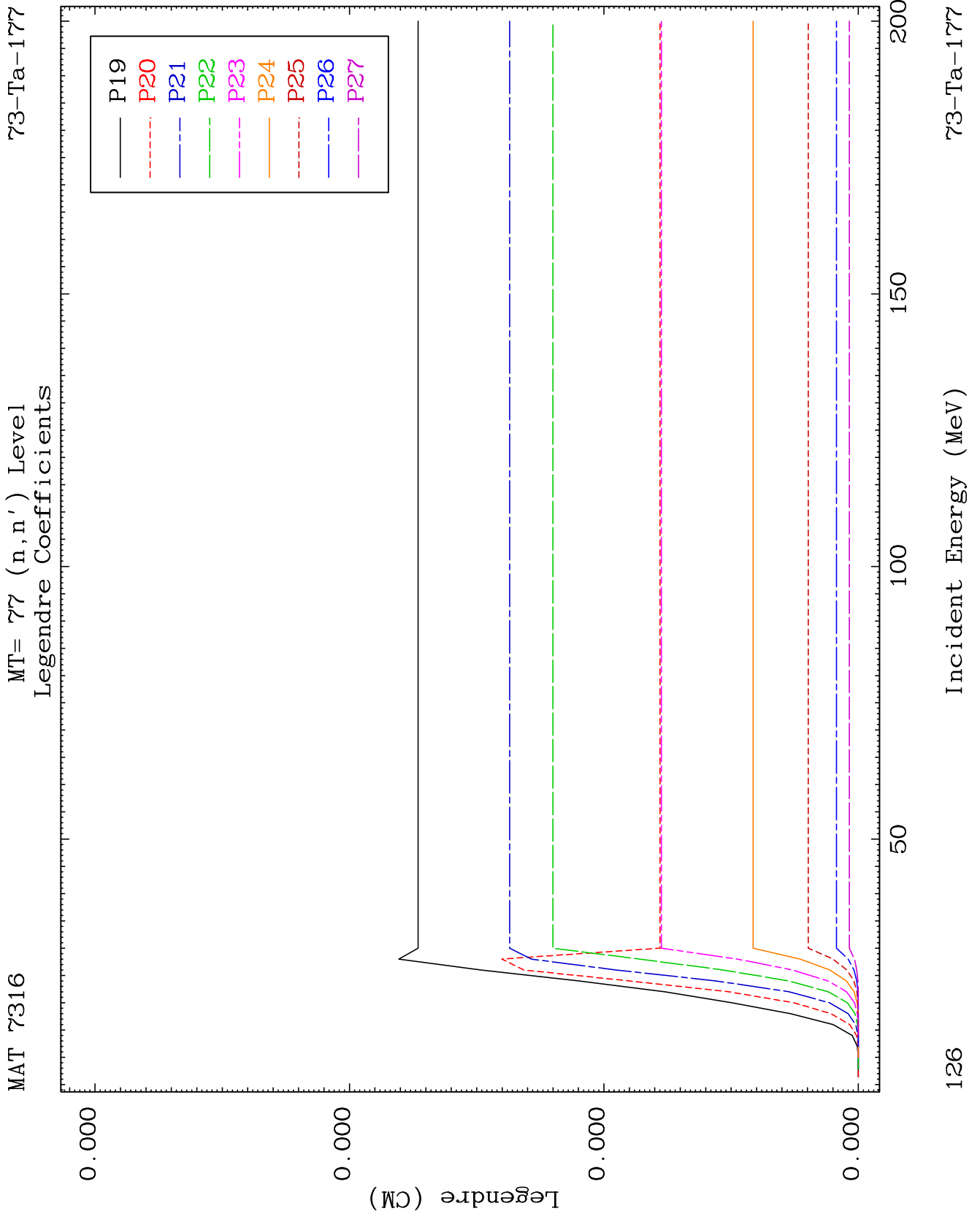
73-Ta-177

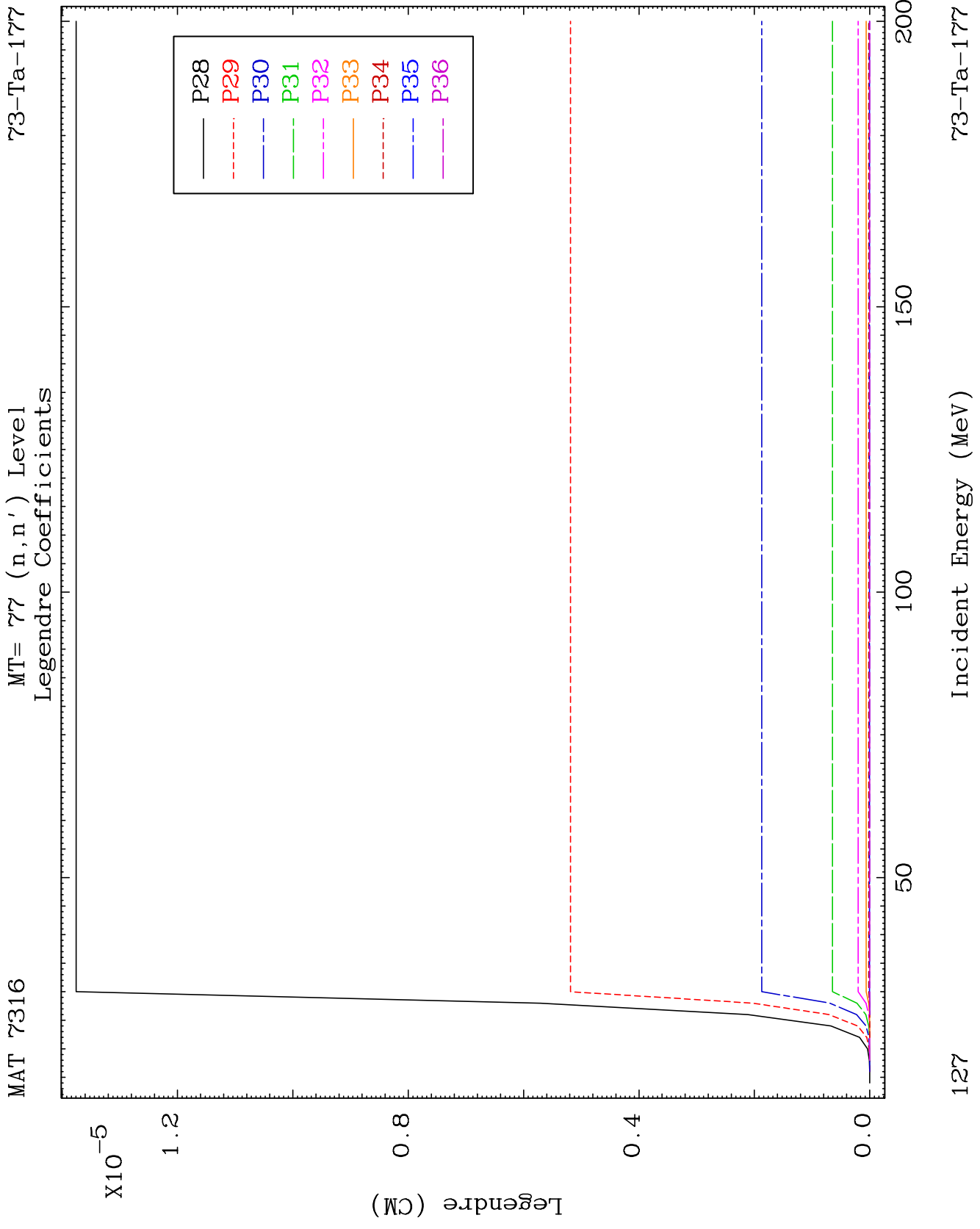


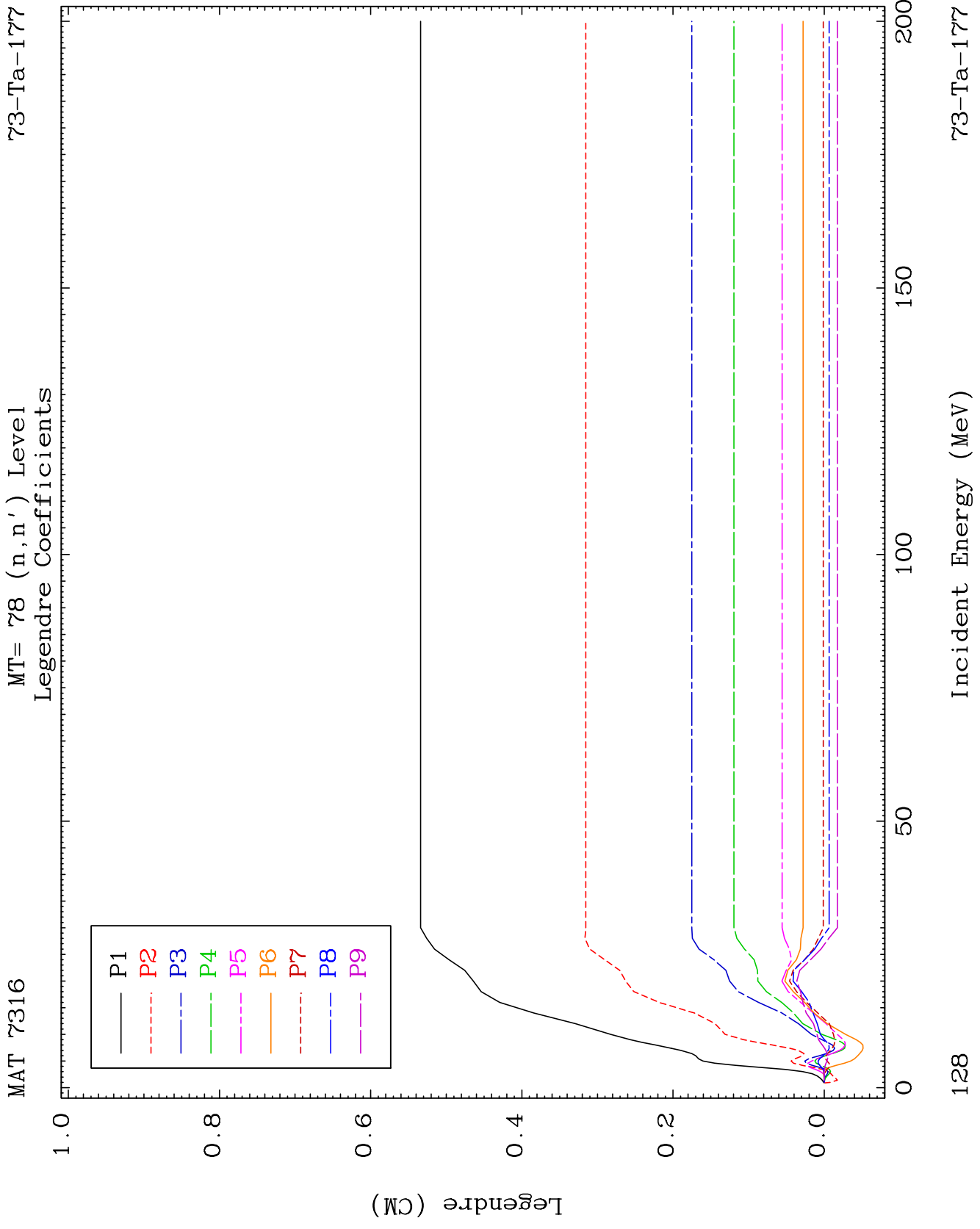
73-Ta-177

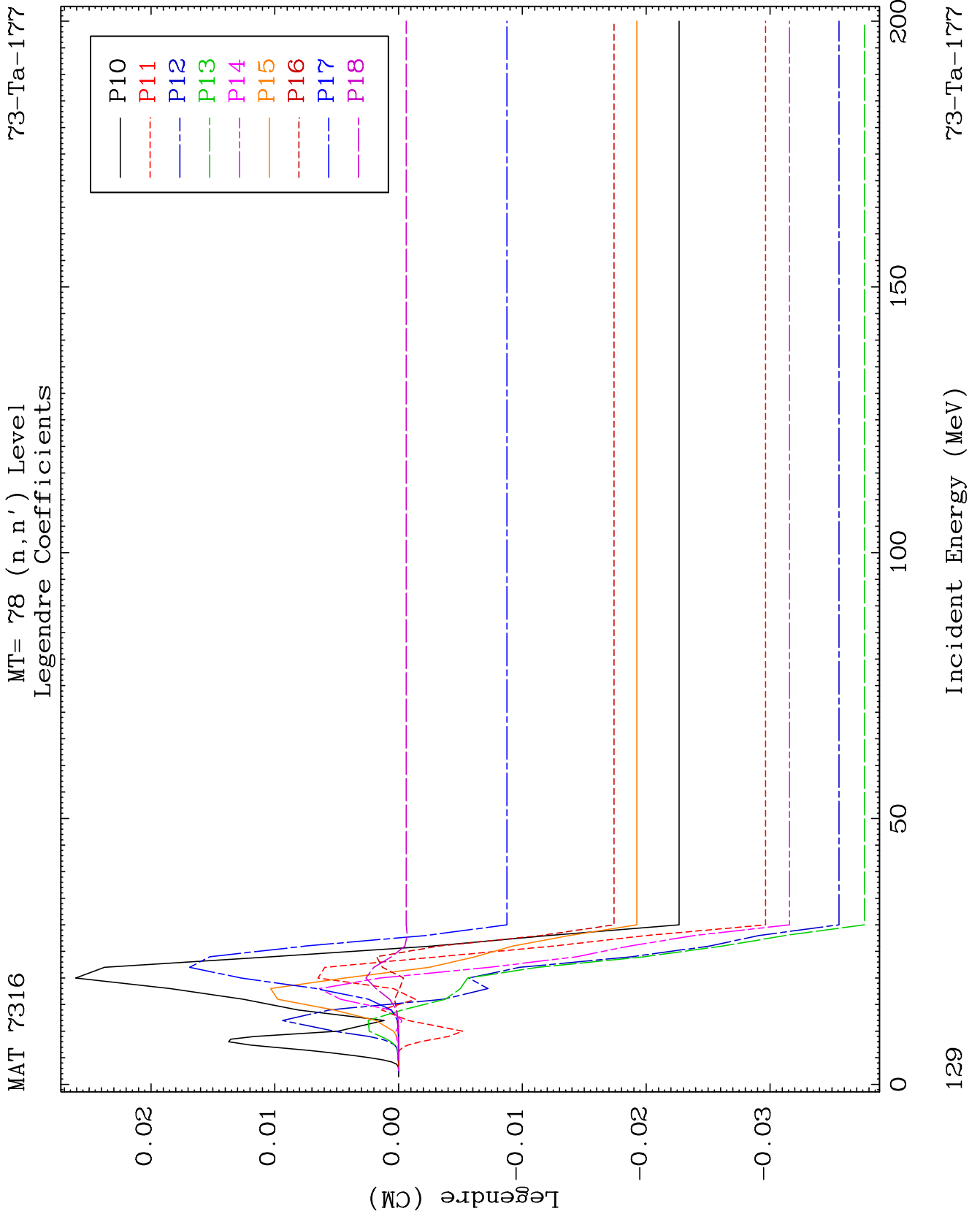
Incident Energy (MeV)

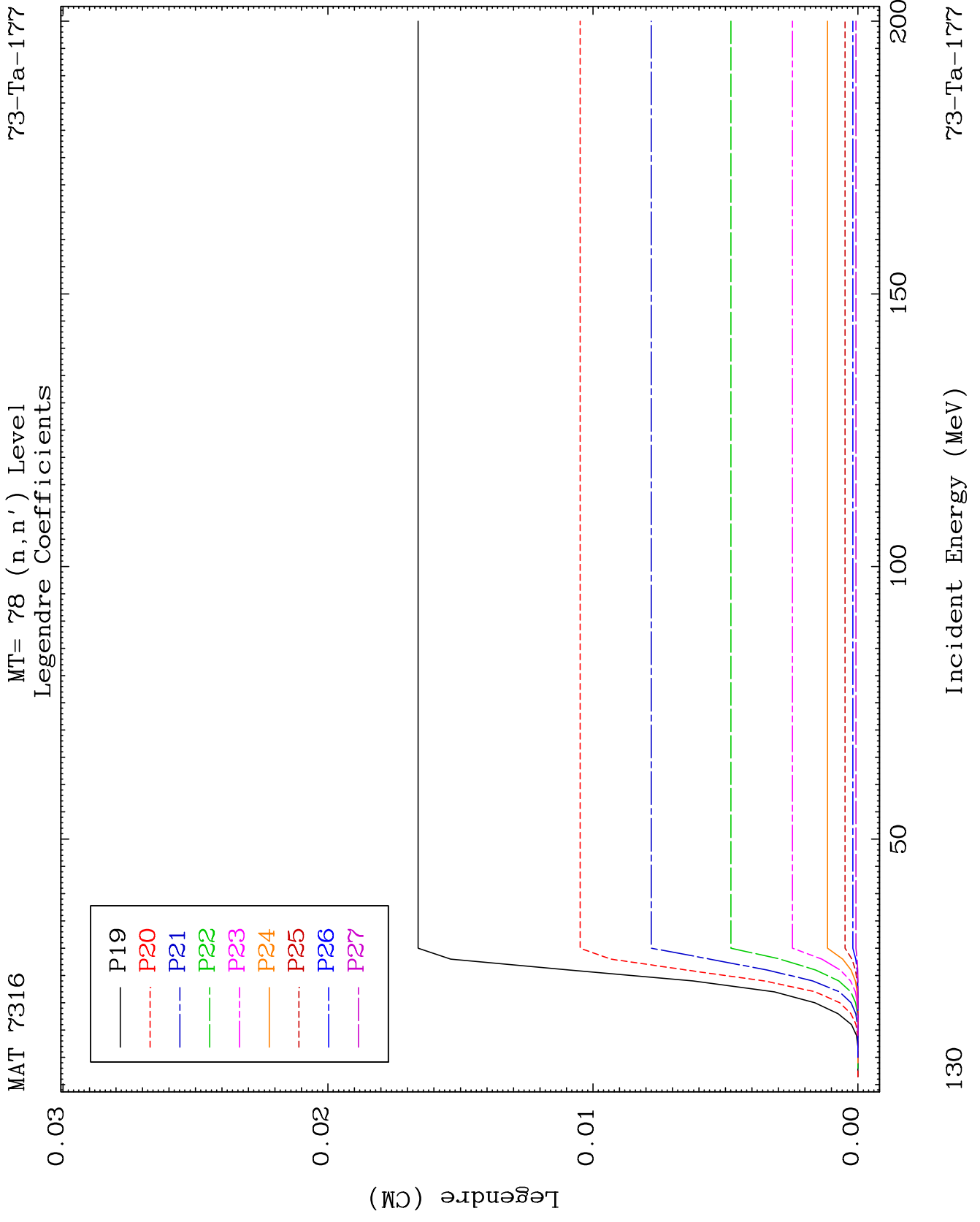
125

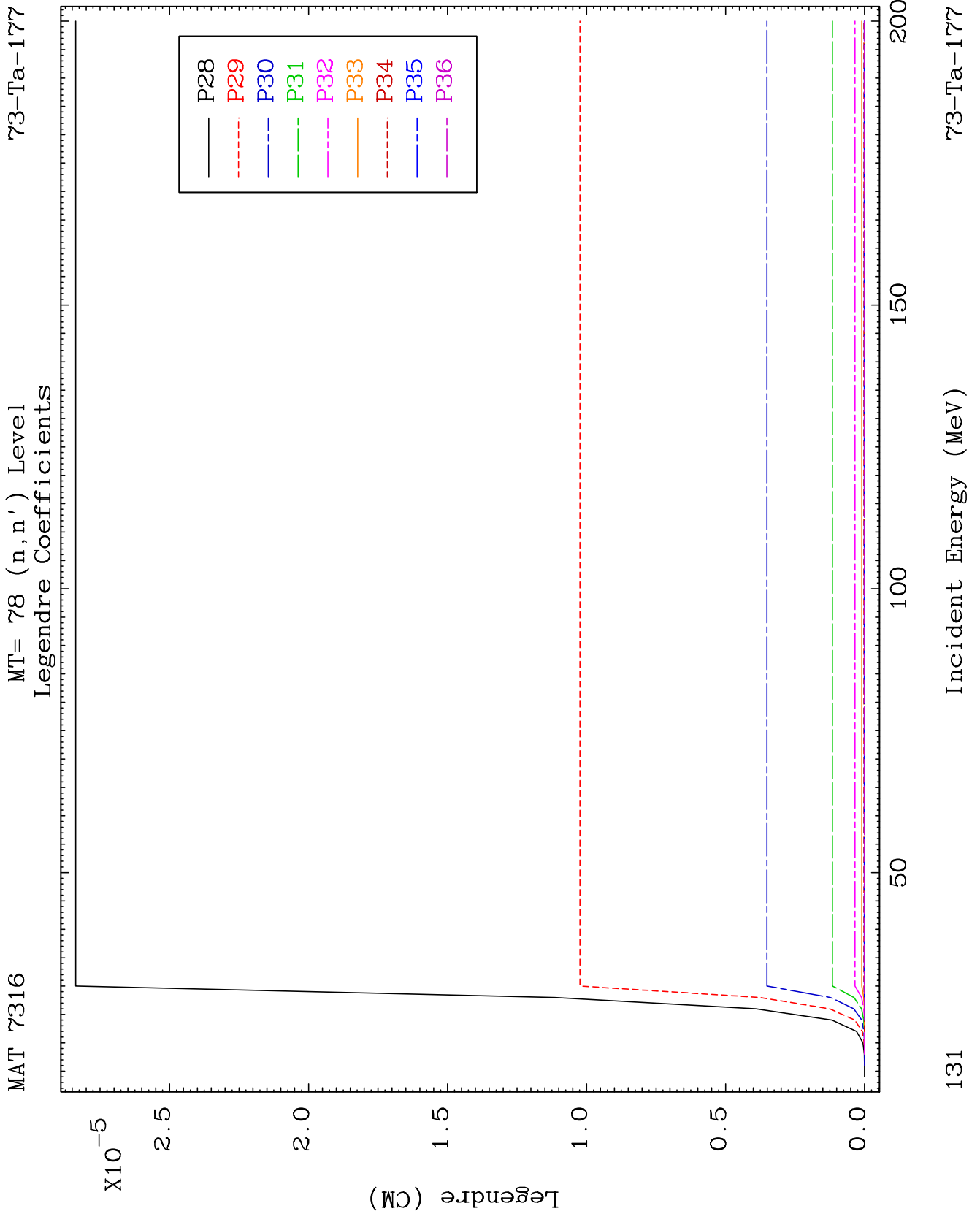


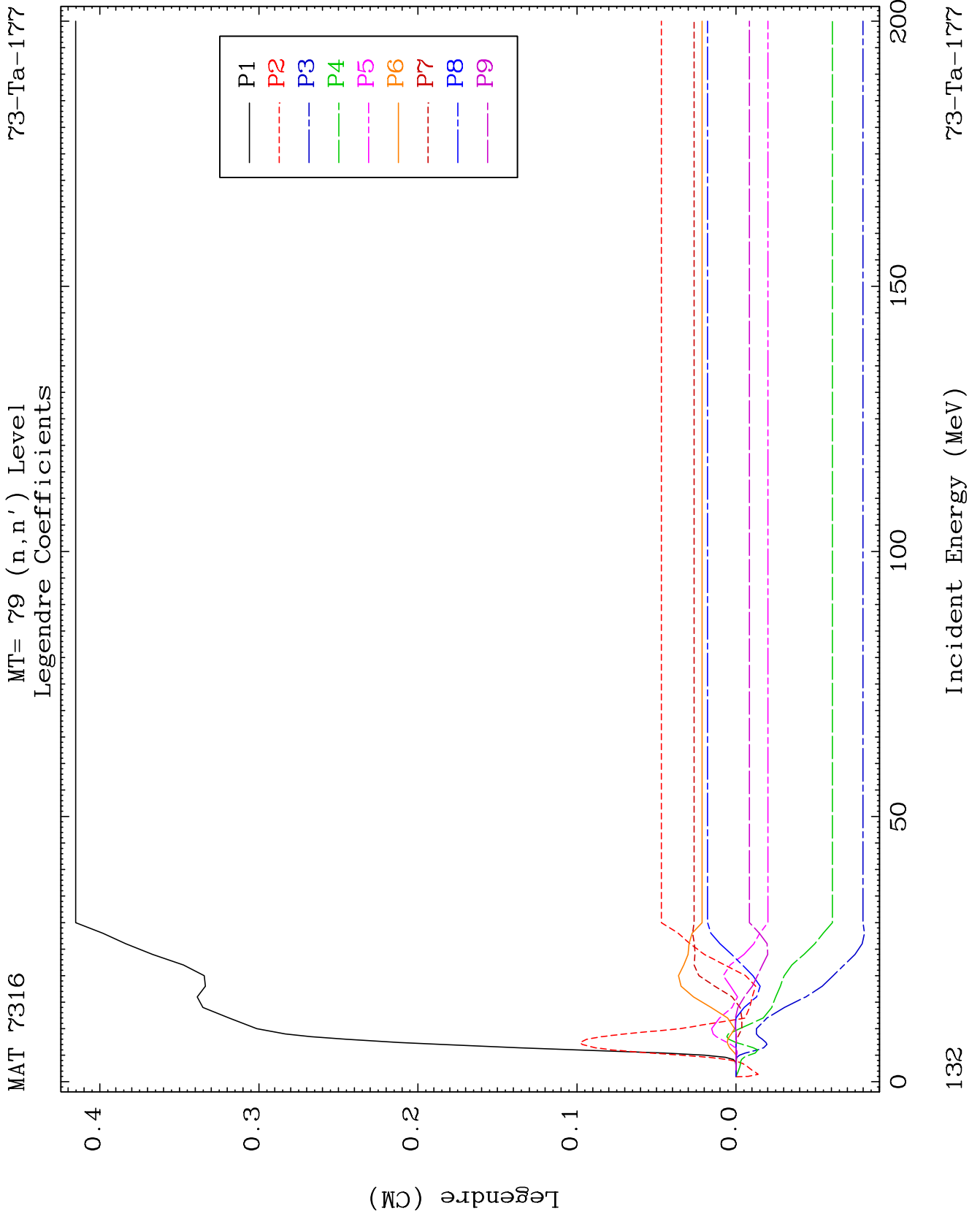


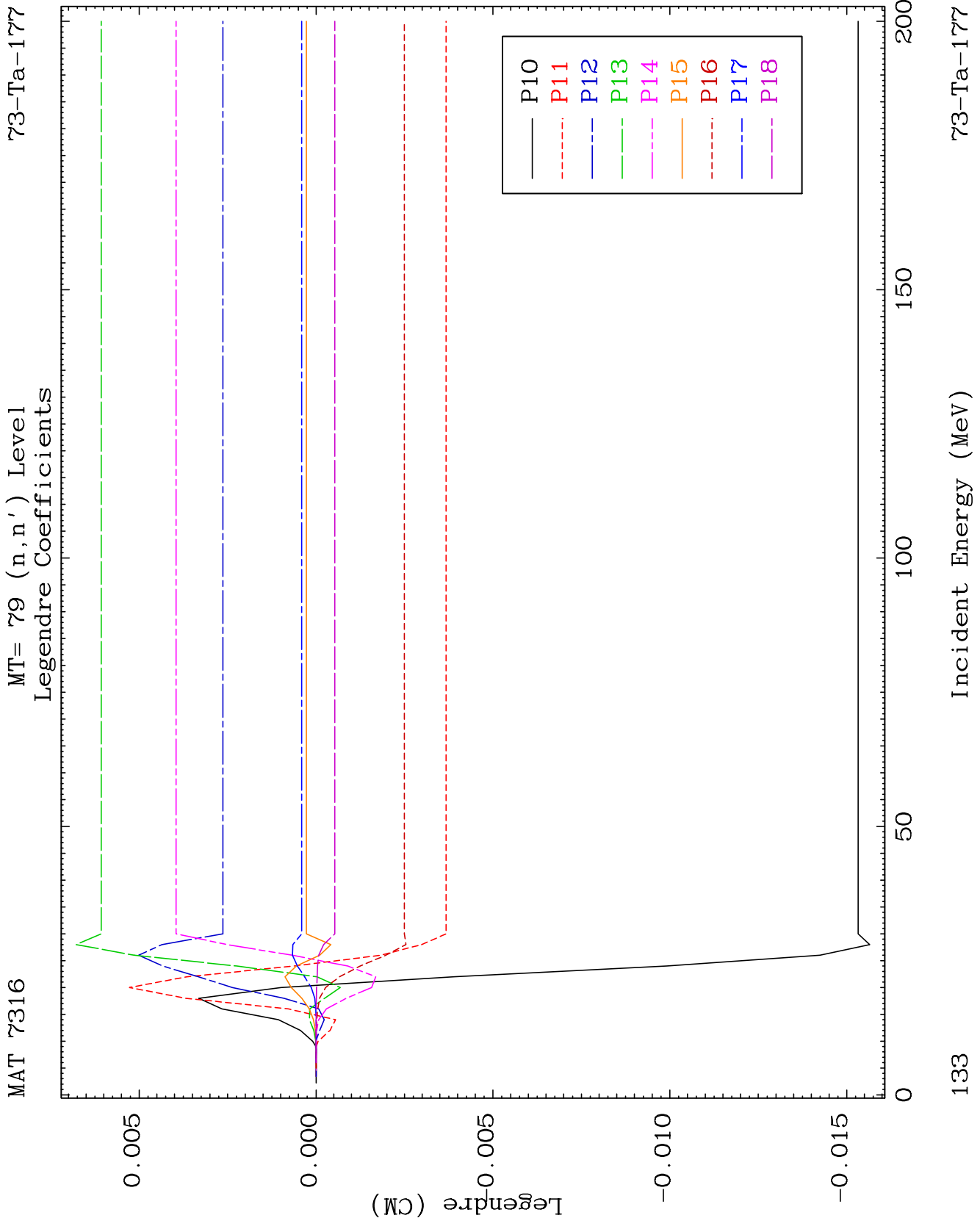


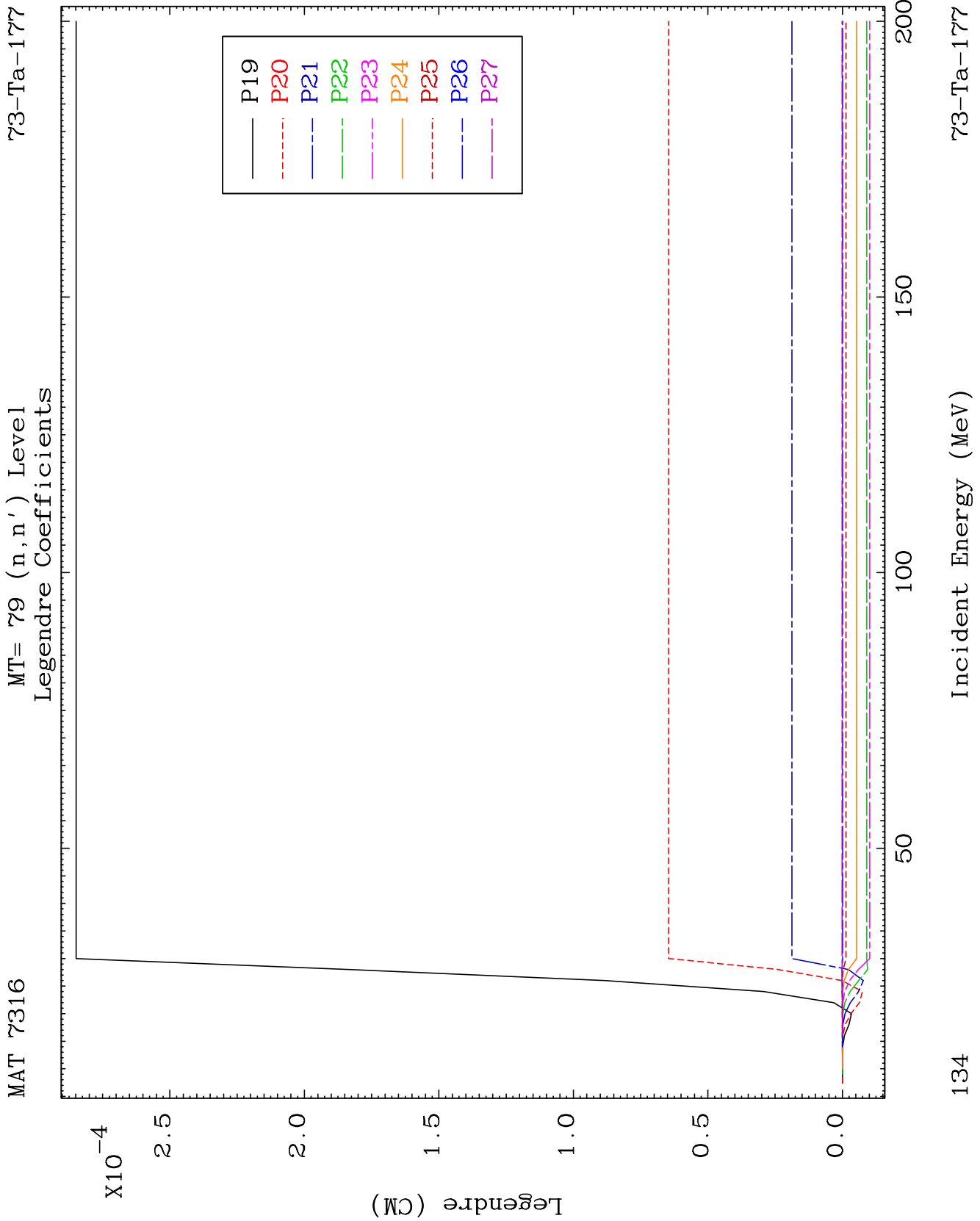








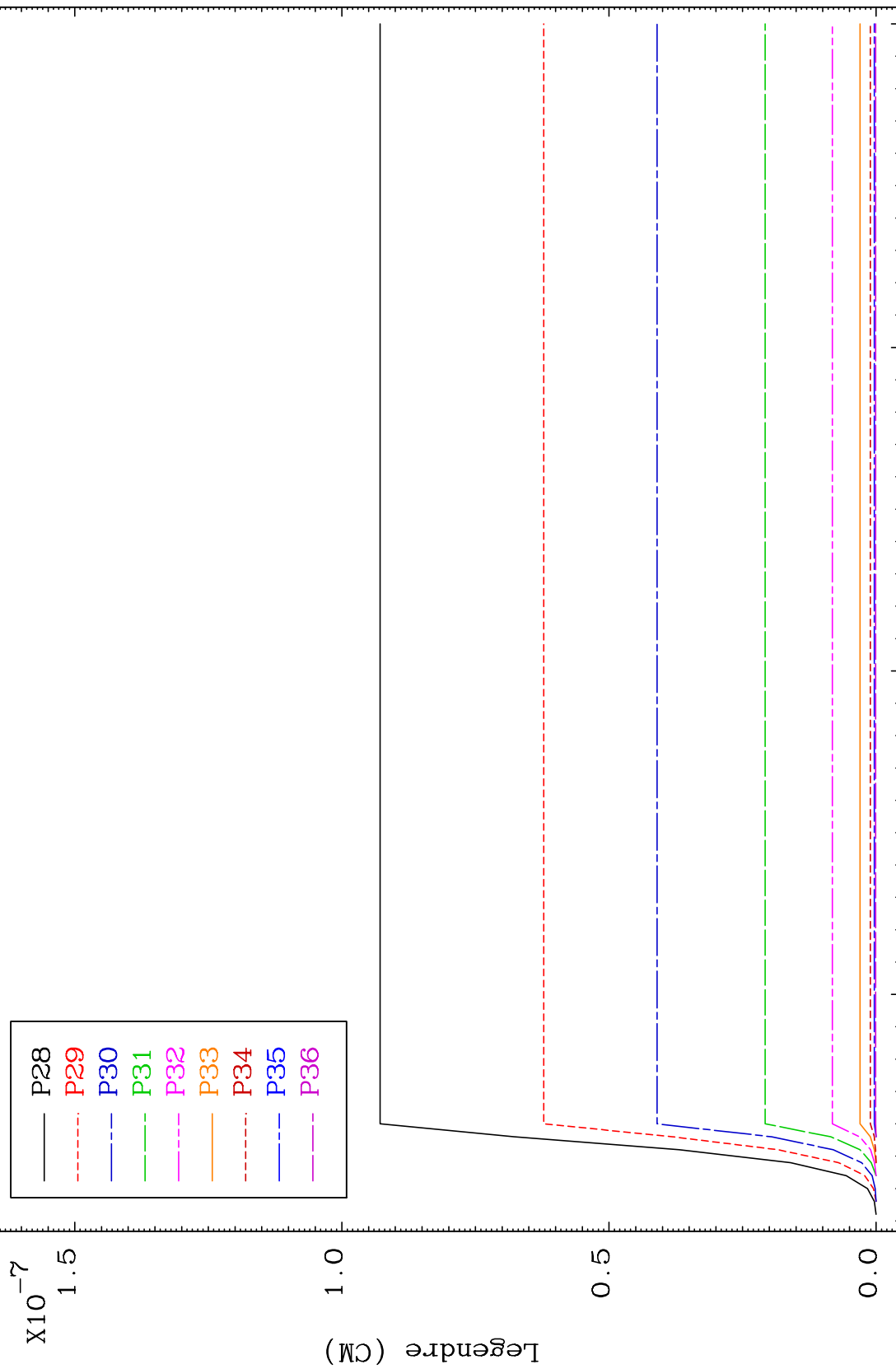
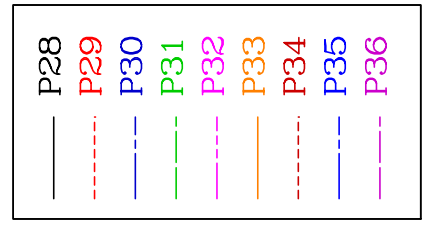




MAT 7316

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

⁷³Ta-177



135

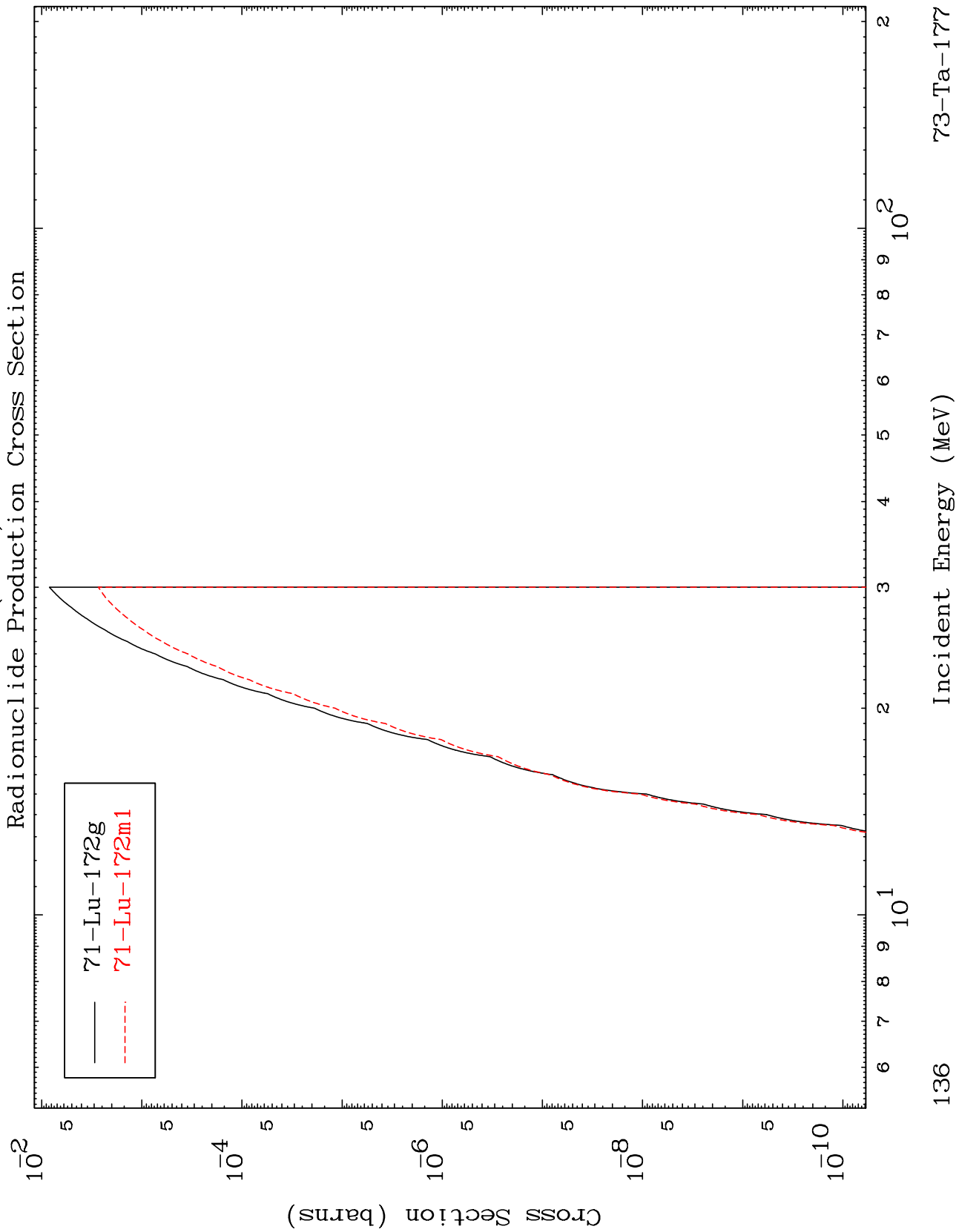
Incident Energy (MeV)

⁷³Ta-177

MAT 7316

$(n,2n) \alpha$

$^{73}\text{Ta-177}$



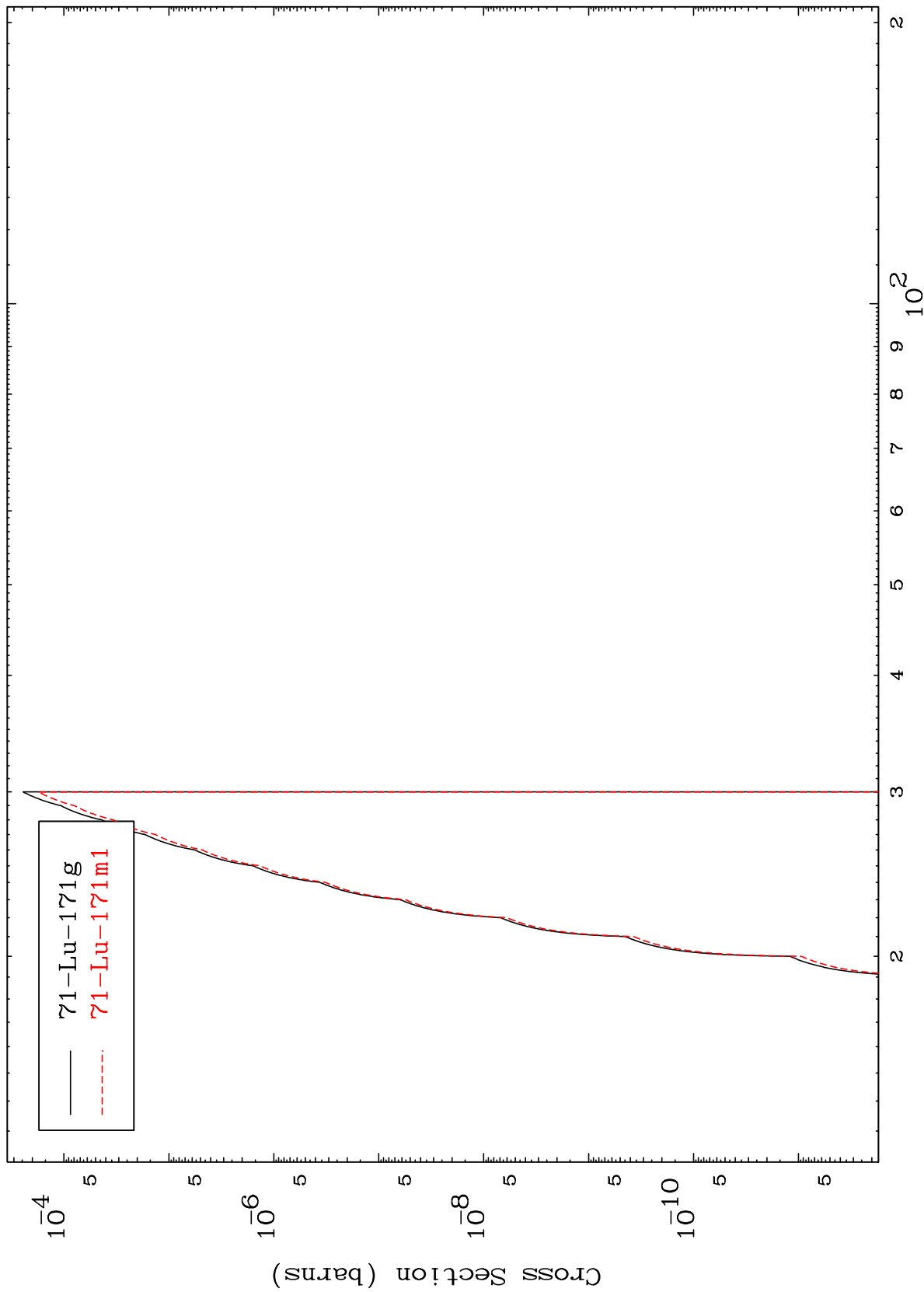
136

MAT 7316

(n,3n) α

73-Ta-177

Radionuclide Production Cross Section



137

Incident Energy (MeV)

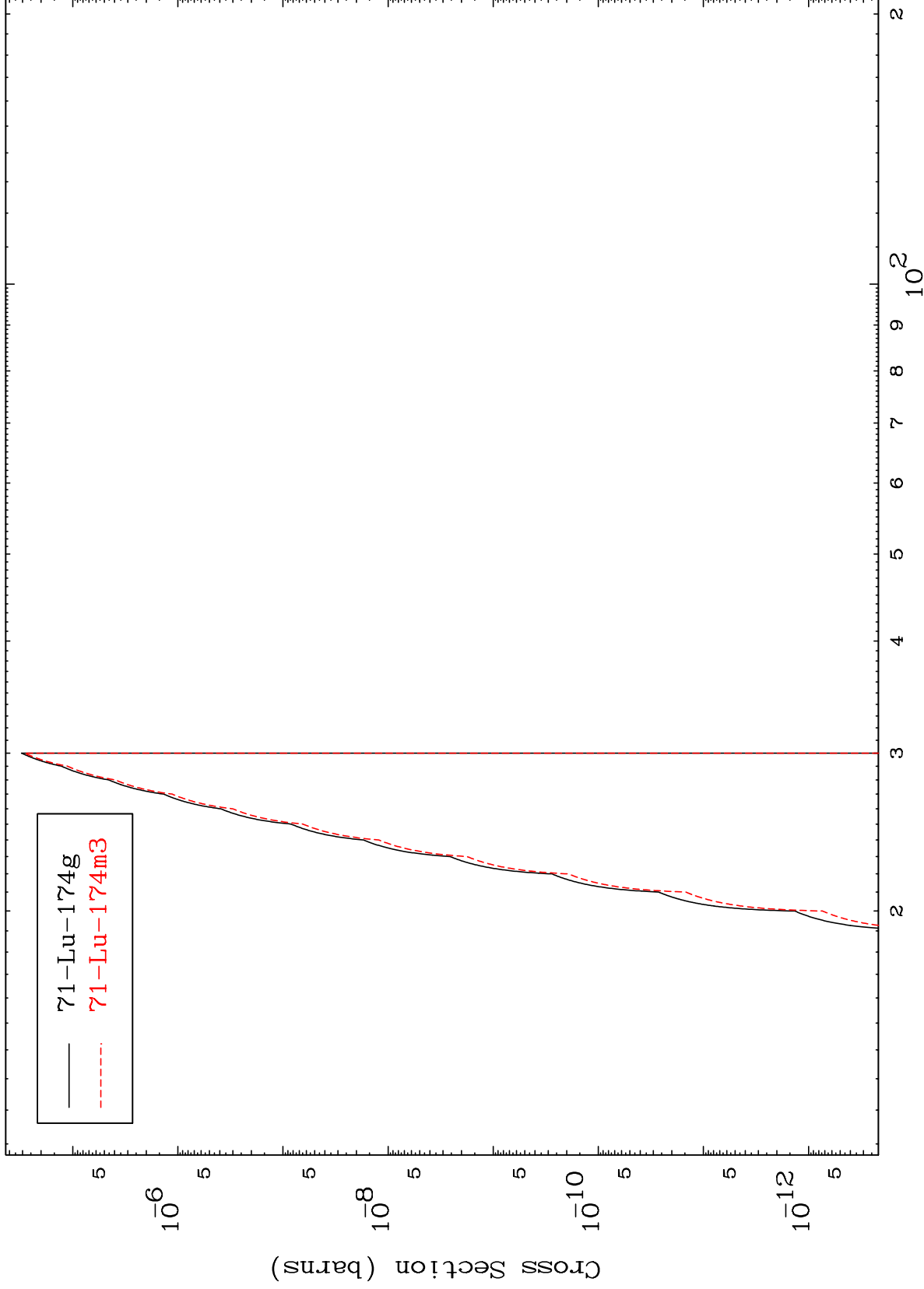
73-Ta-177

MAT 7316

(n,n') He-3

73-Ta-177

Radionuclide Production Cross Section



138

Incident Energy (MeV)

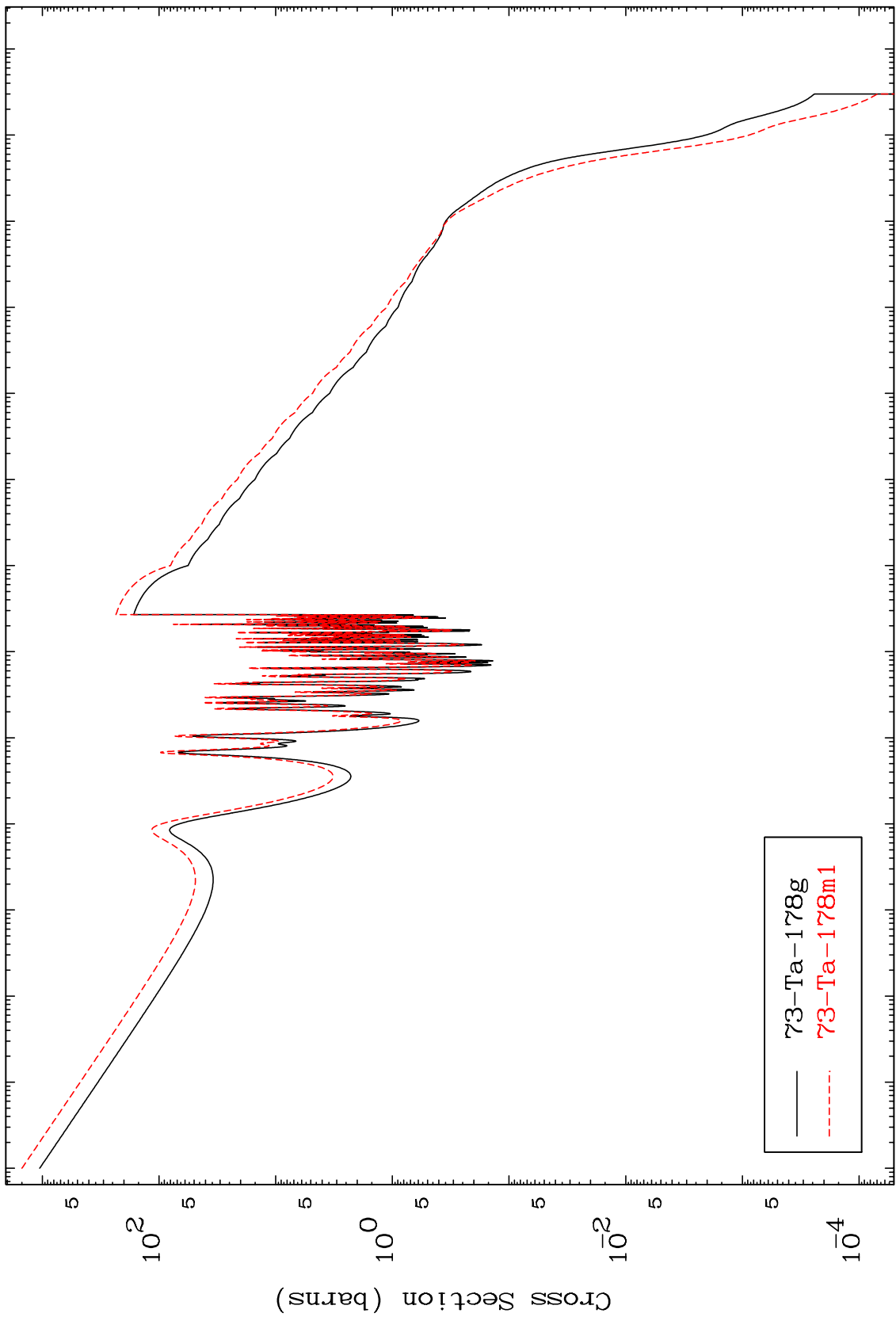
73-Ta-177

MAT 7316

$^{73}\text{Ta-177}$

Radionuclide Production Cross Section

(n, γ)



$^{73}\text{Ta-177}$

10^0

10^{-2}

10^{-4}

10^{-6}

10^{-8}

10^{-10}

Incident Energy (MeV)

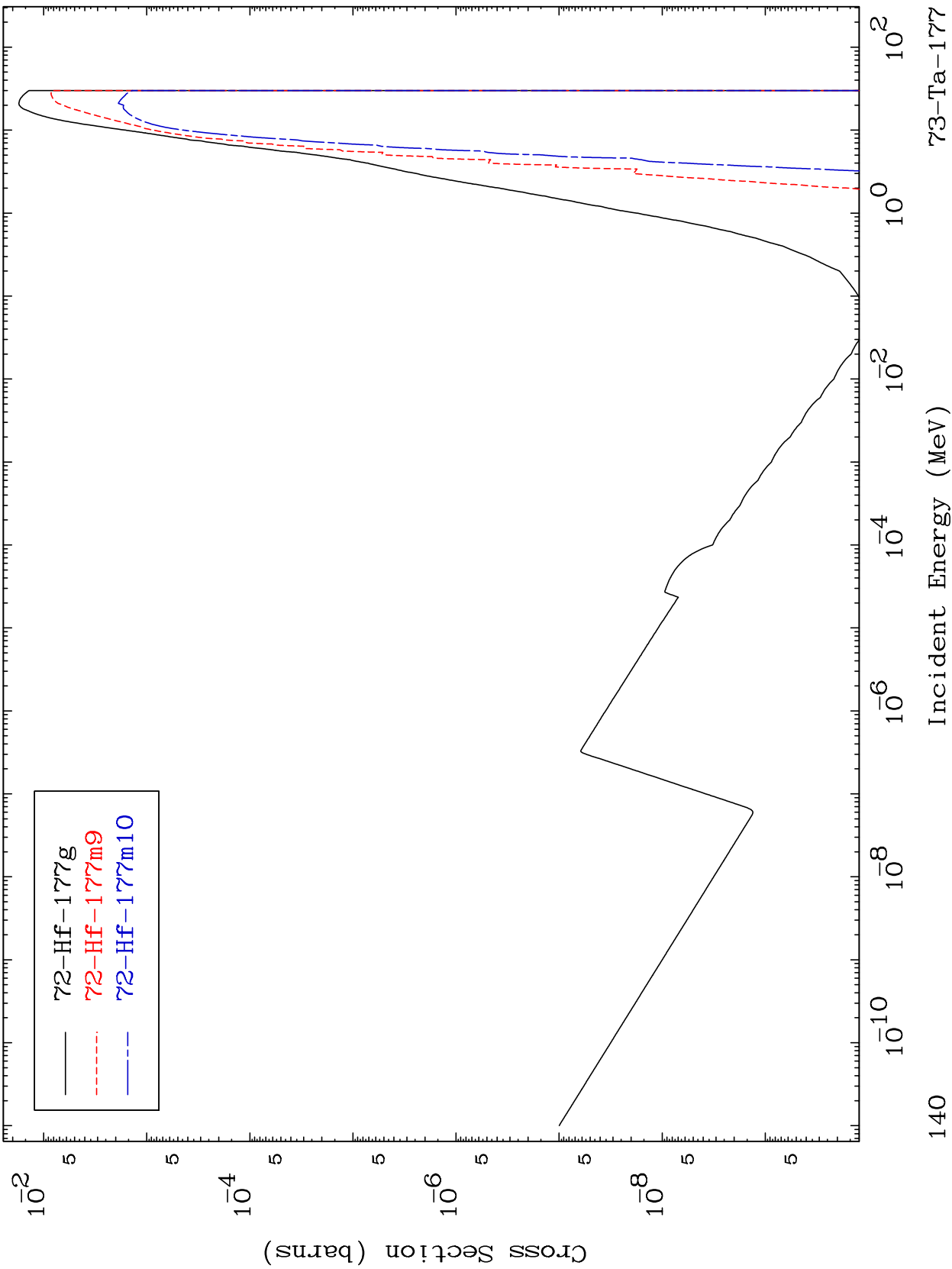
$^{73}\text{Ta-177}$

139

MAT 7316

⁷³Ta-¹⁷⁷

(n,p)
Radionuclide Production Cross Section

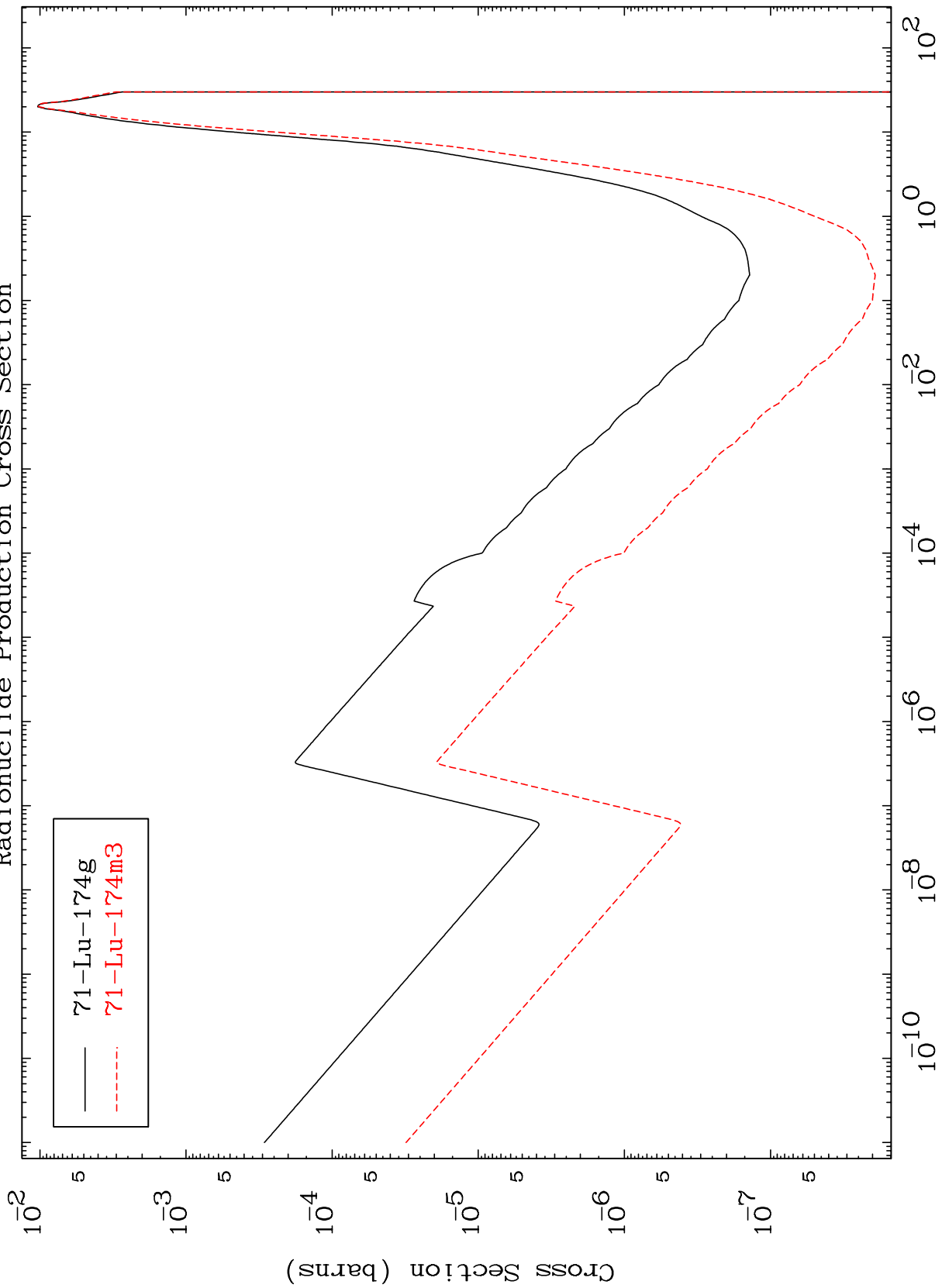


140

MAT 7316

73-Ta-177

Radionuclide Production Cross Section



141

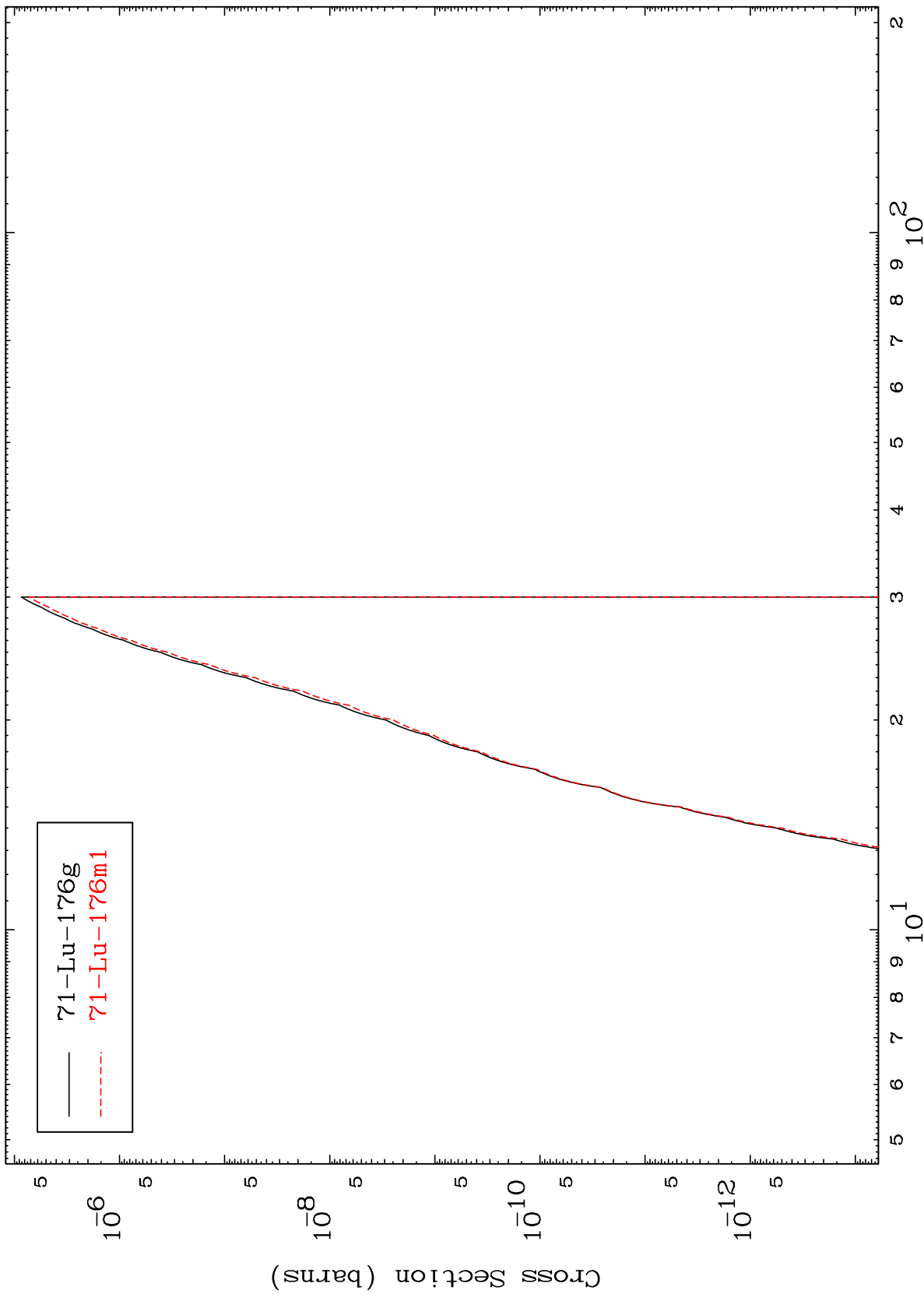
73-Ta-177

Incident Energy (MeV)

MAT 7316

73-Ta-177

(n,2p)
Radionuclide Production Cross Section



Incident Energy (MeV)

73-Ta-177

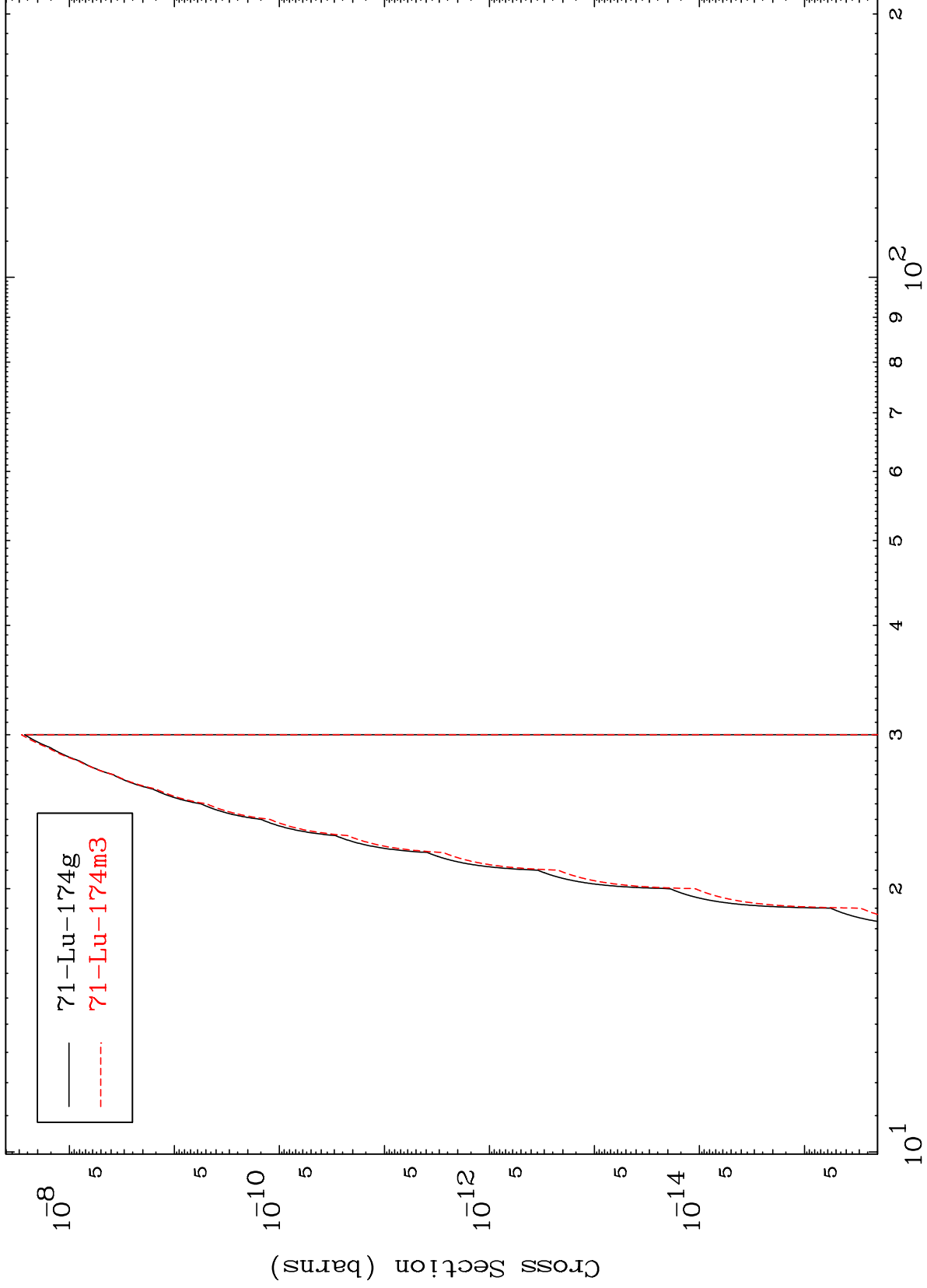
142

MAT 7316

(n,p) t

⁷³Ta-177

Radionuclide Production Cross Section



143

Incident Energy (MeV)

⁷³Ta-177