

Program EVALPLOT
(Version 2018-1)

by

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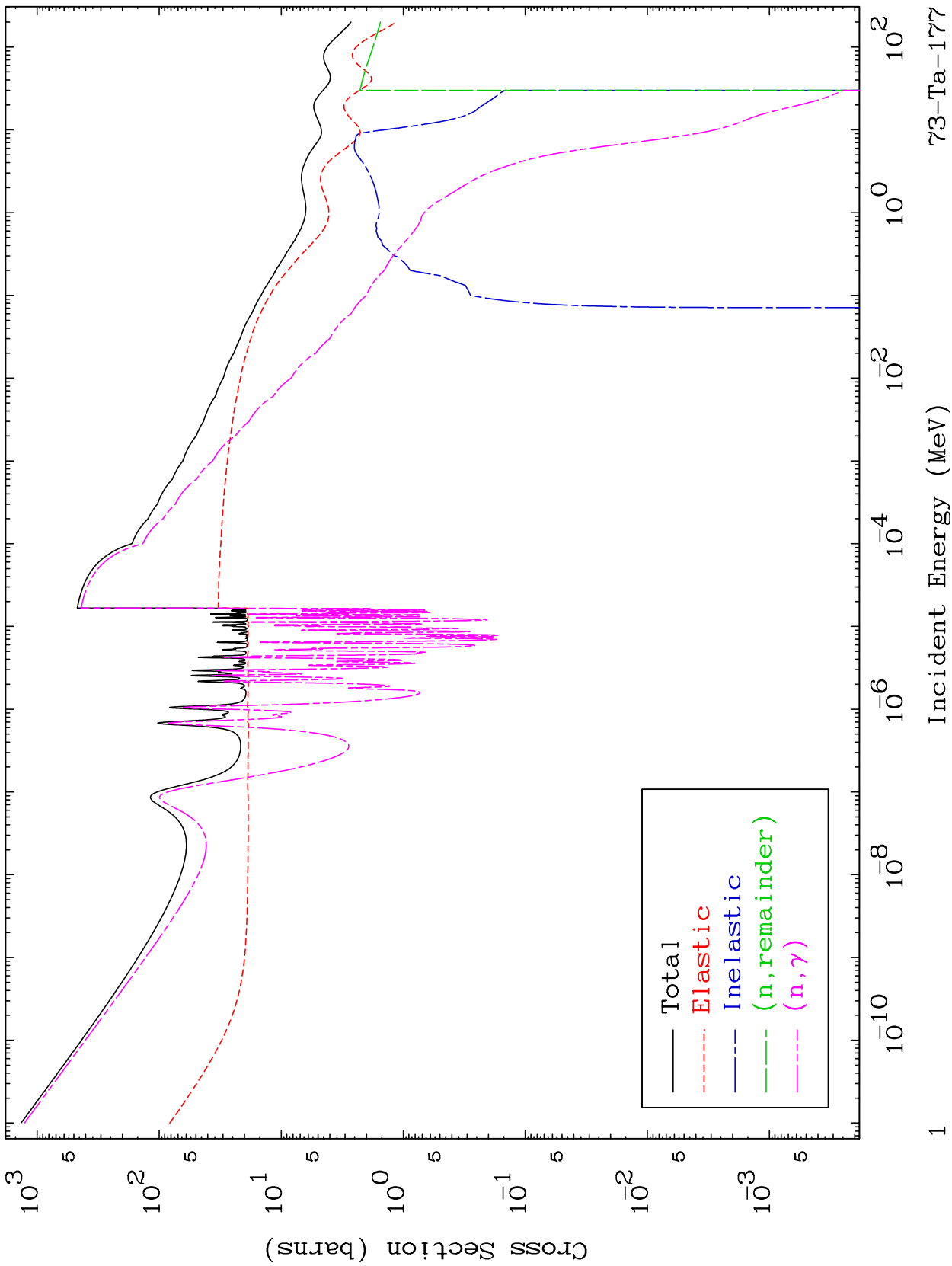
Press Mouse Button to Start

MAT 7316

Major

293 Kelvin Cross Sections

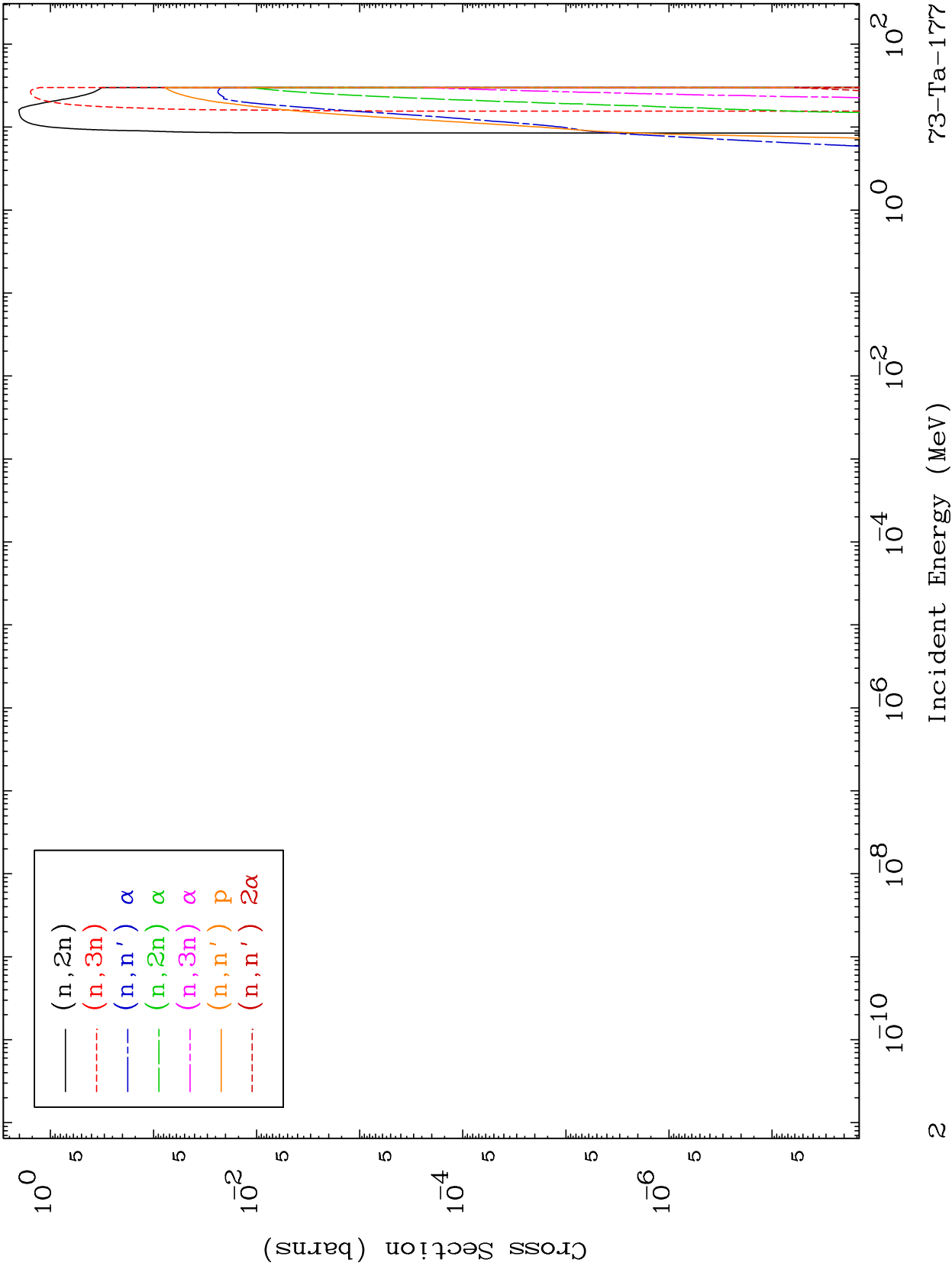
73-Ta-177

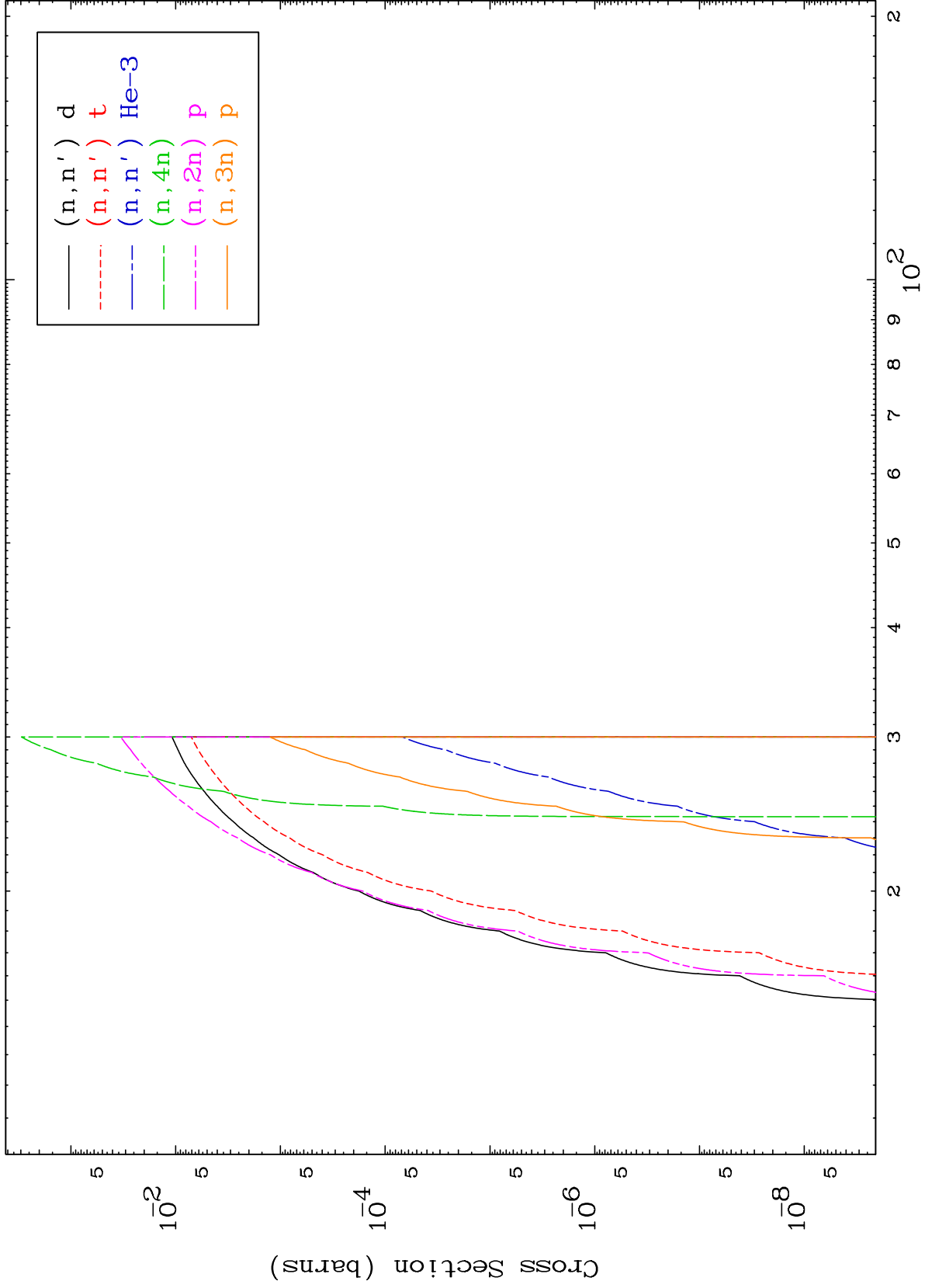


MAT 7316

Neutron Production
293 Kelvin Cross Sections

73-Ta-177

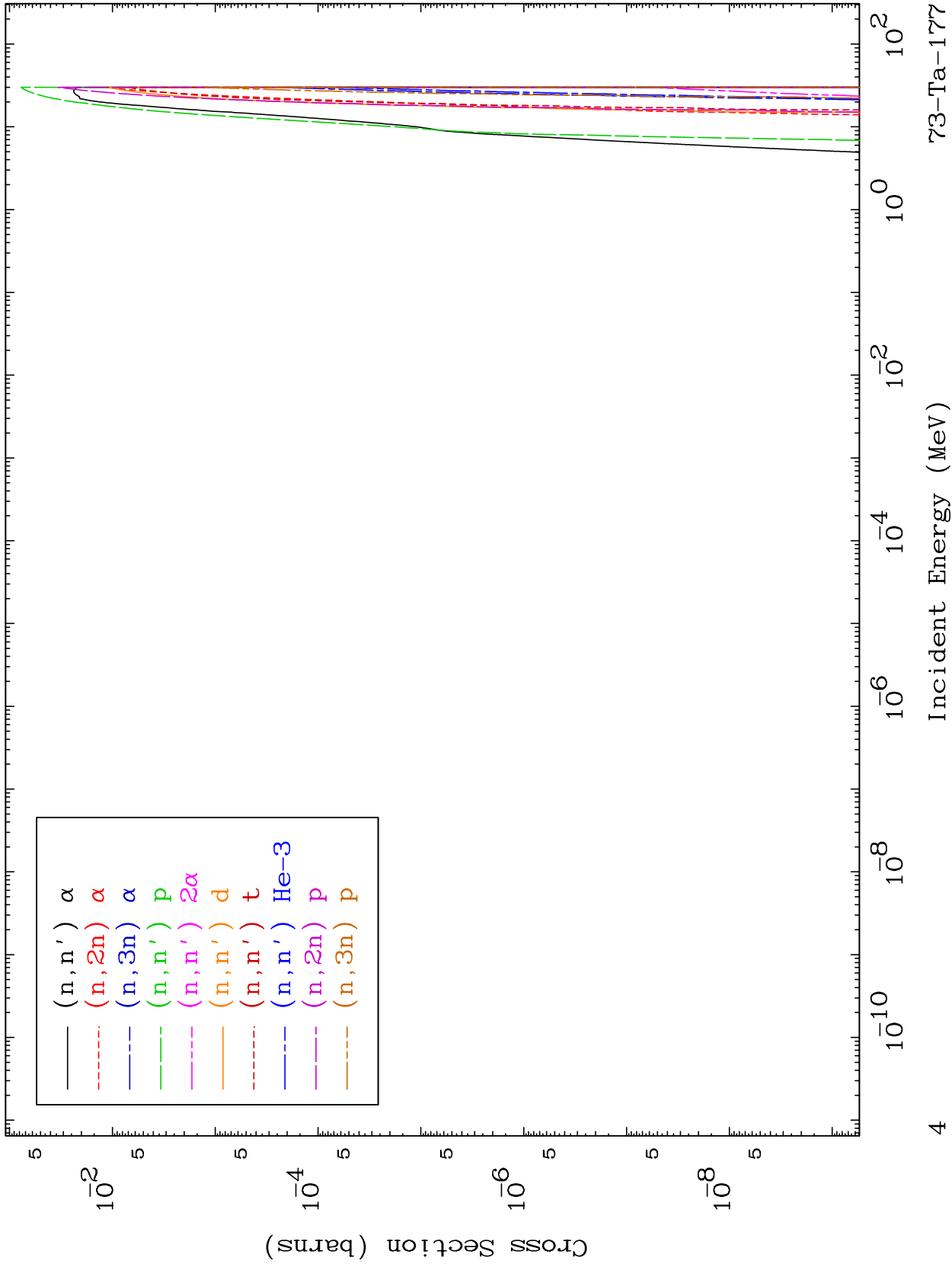


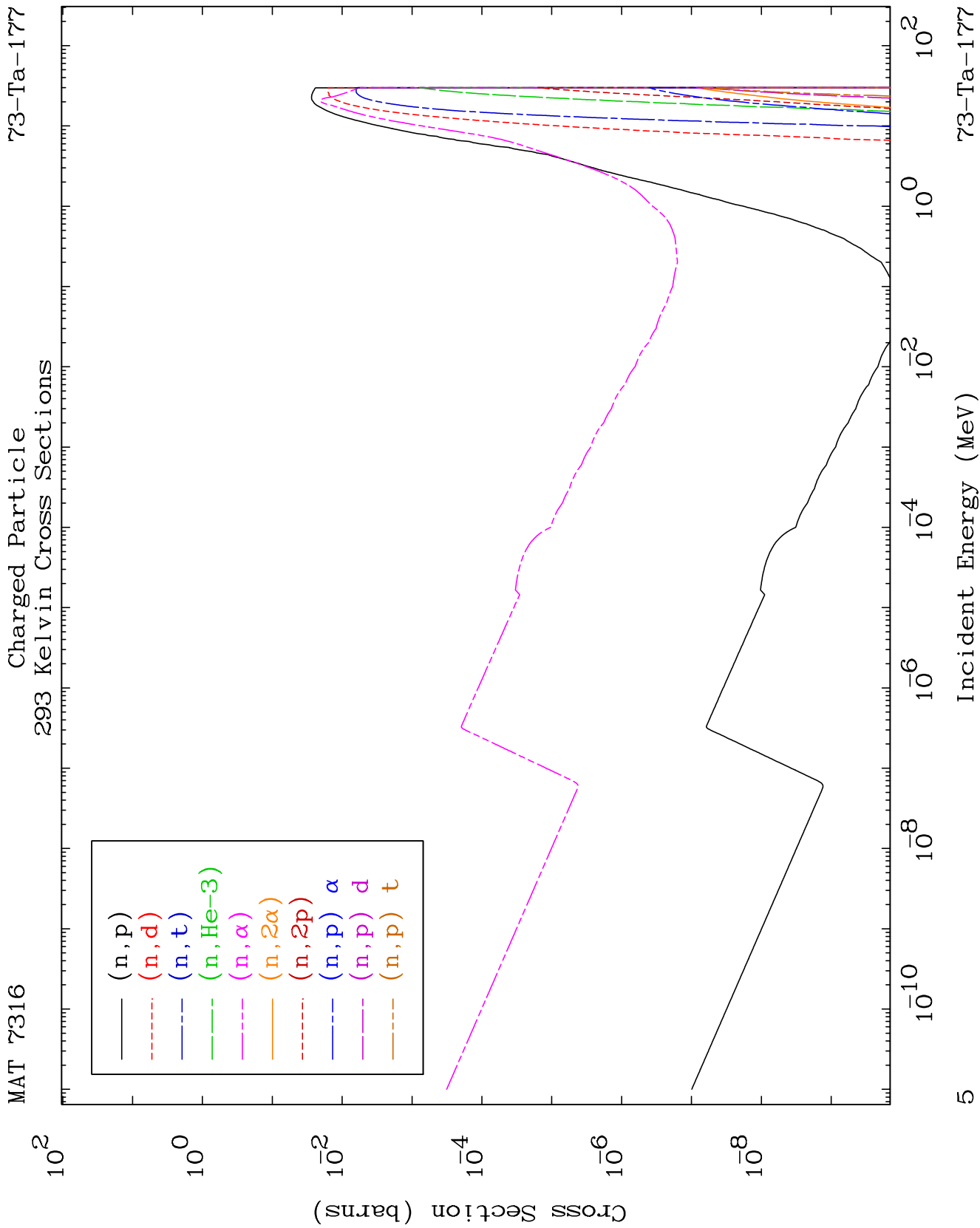


MAT 7316

Charged Particle
293 Kelvin Cross Sections

73-Ta-177

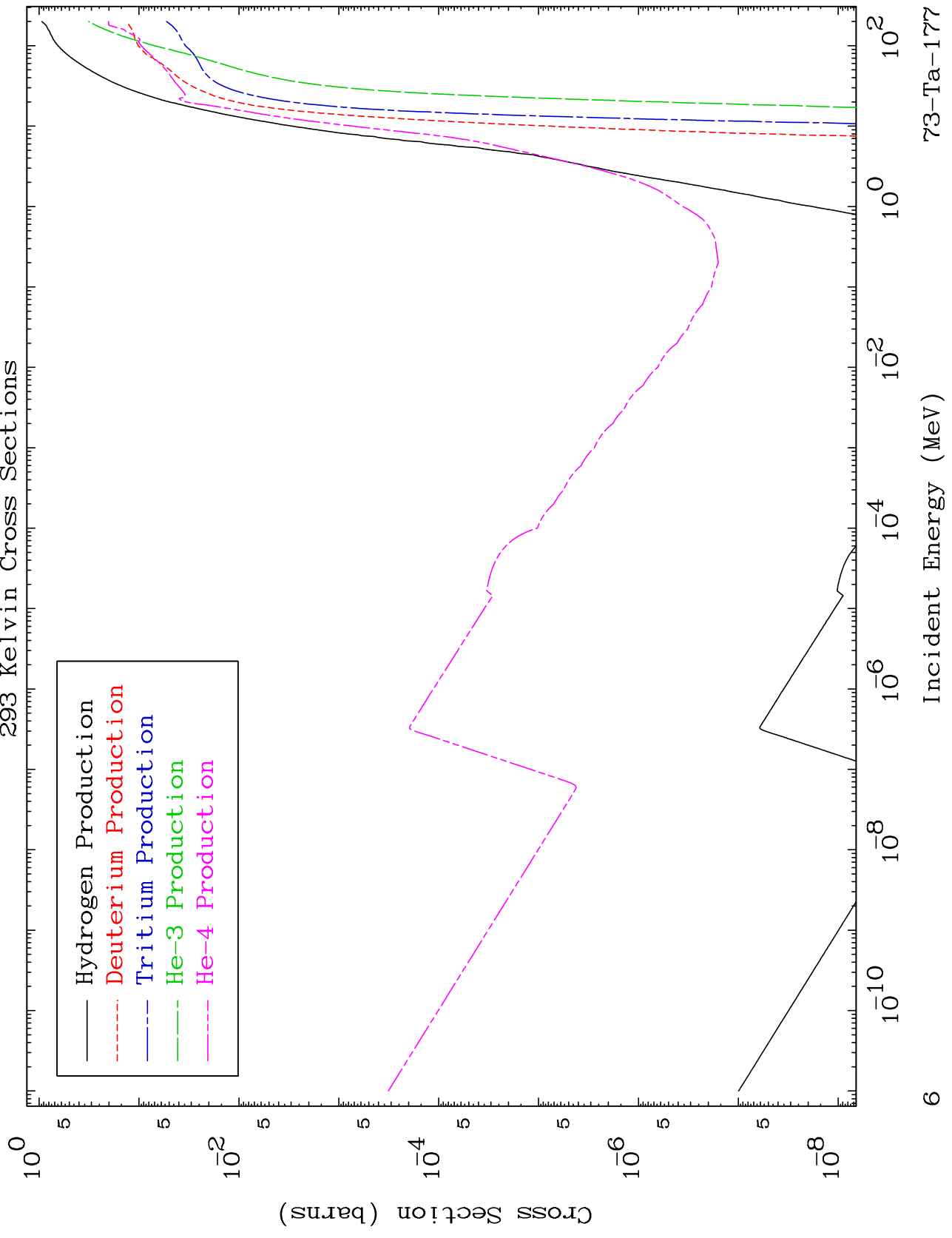




MAT 7316

Particle Production
293 Kelvin Cross Sections

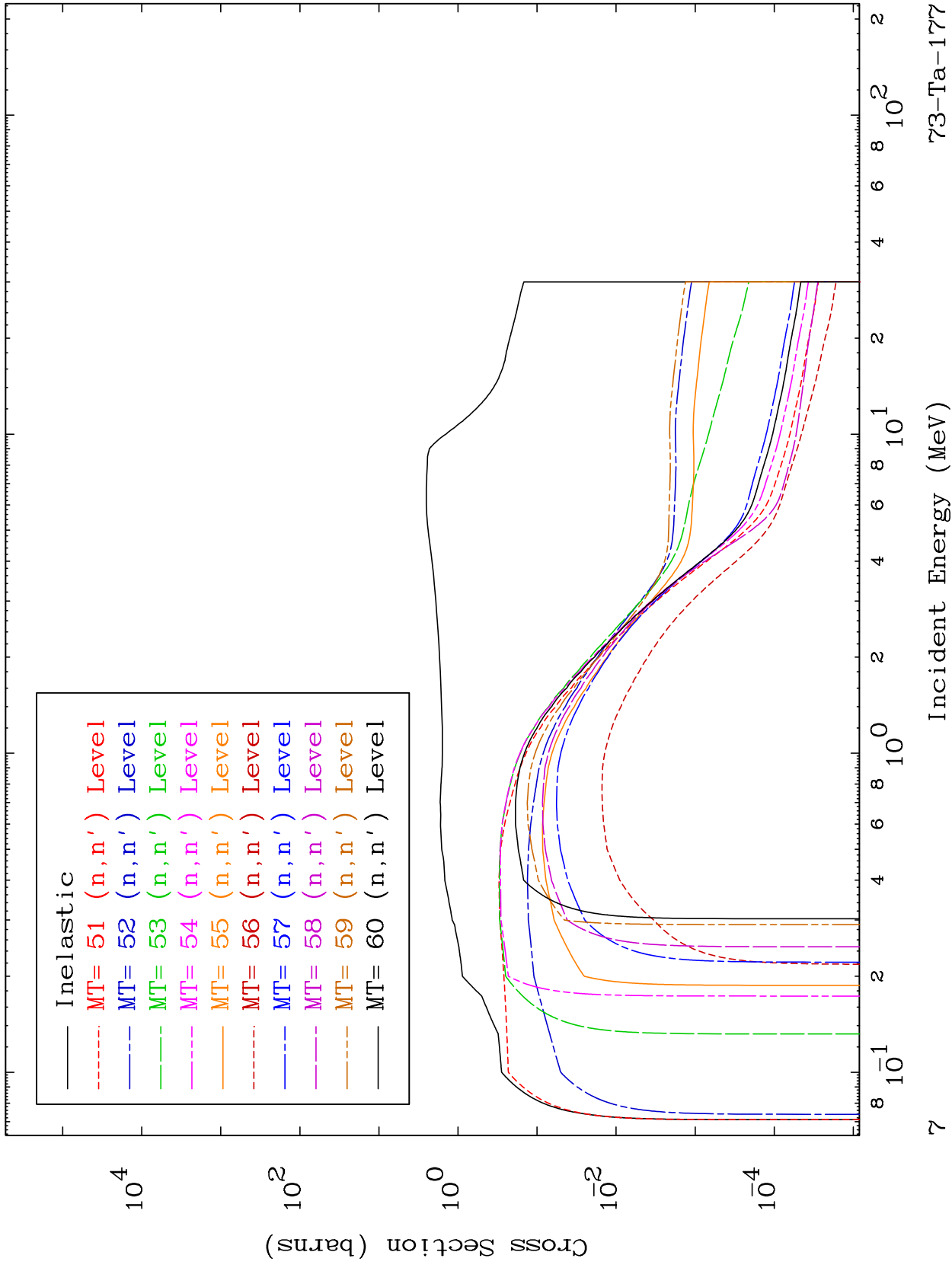
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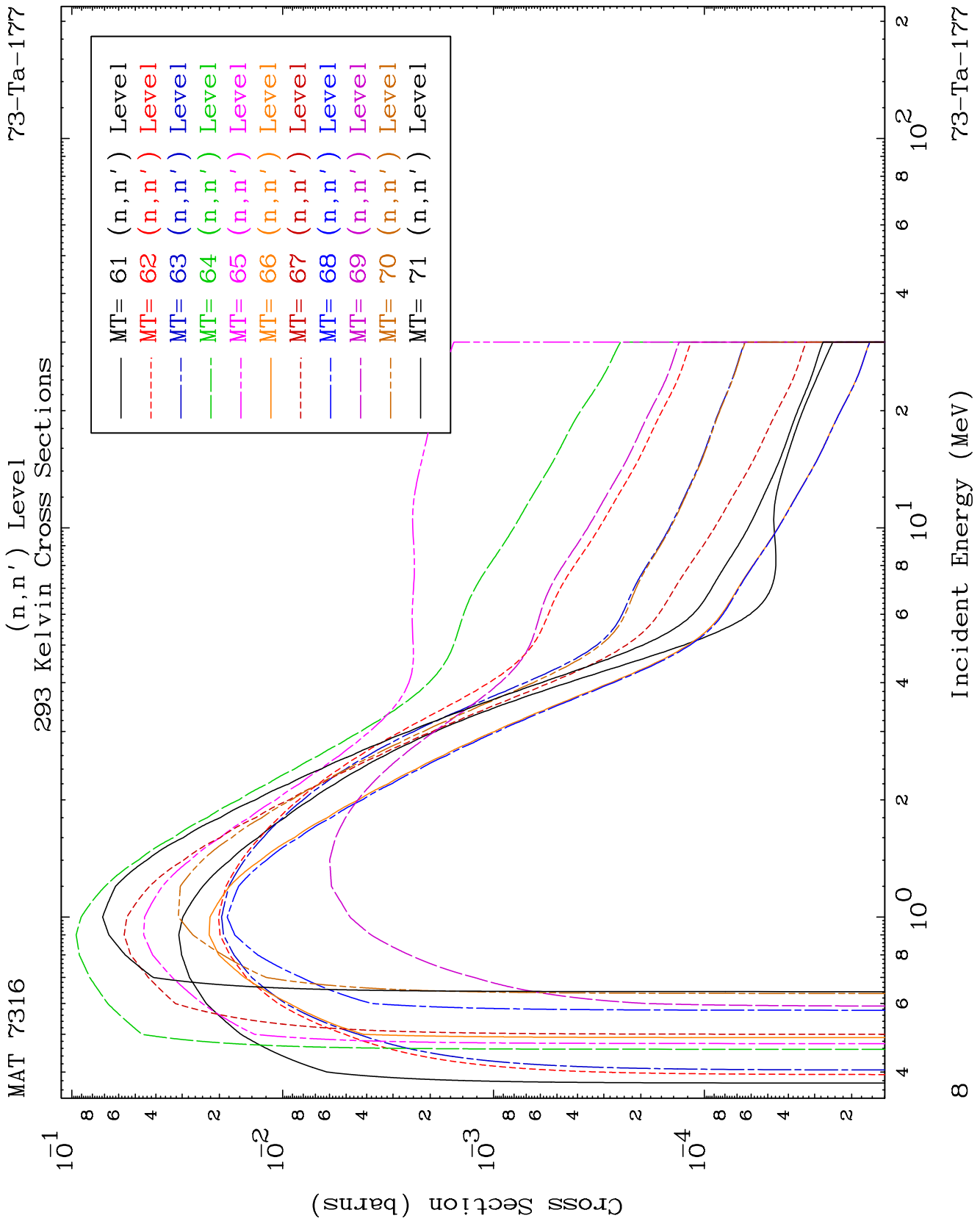


MAT 7316

(n,n') Level
293 Kelvin Cross Sections

73-Ta-177



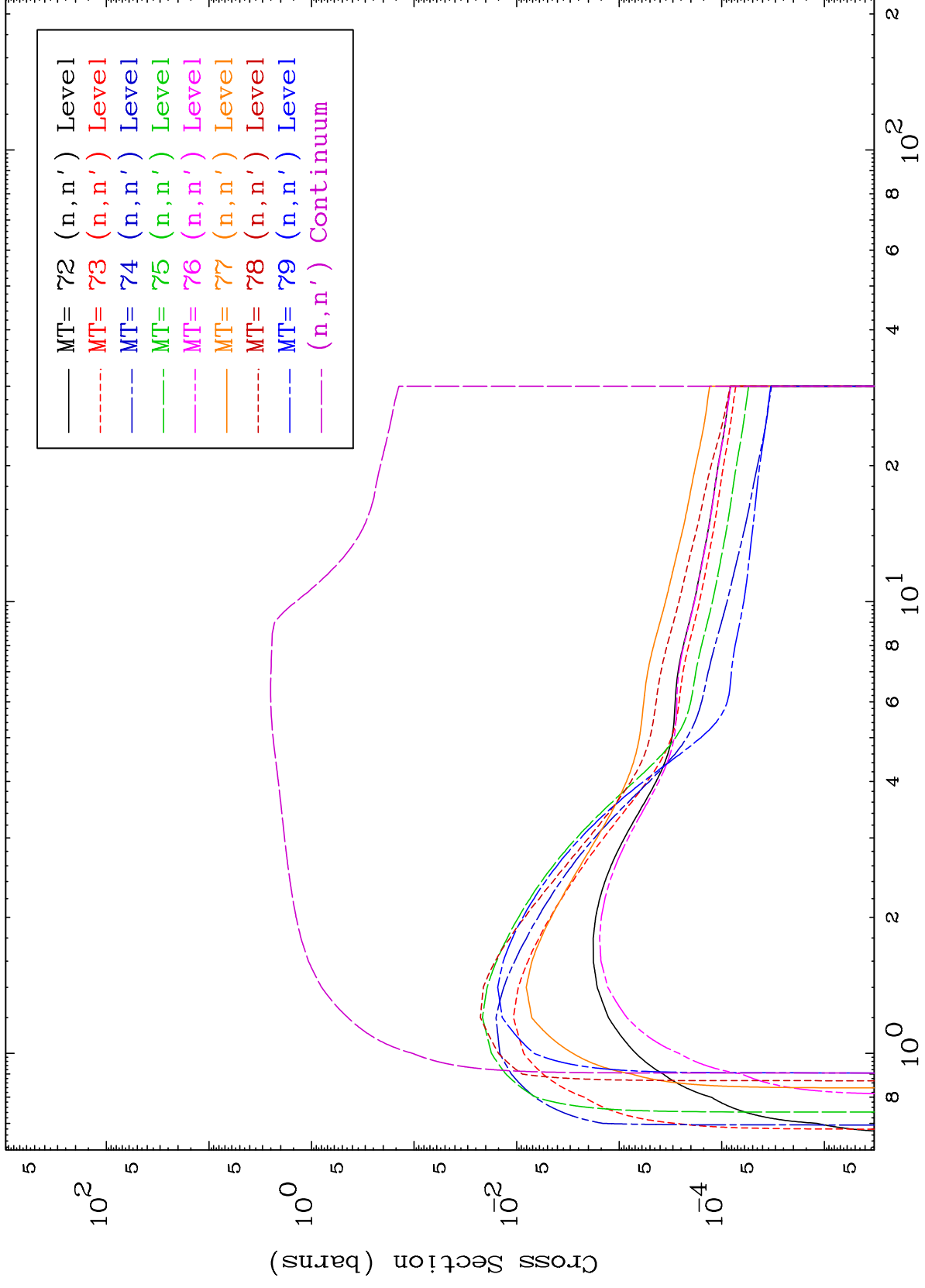


MAT 7316

(n,n') Level

73-Ta-177

293 Kelvin Cross Sections



9

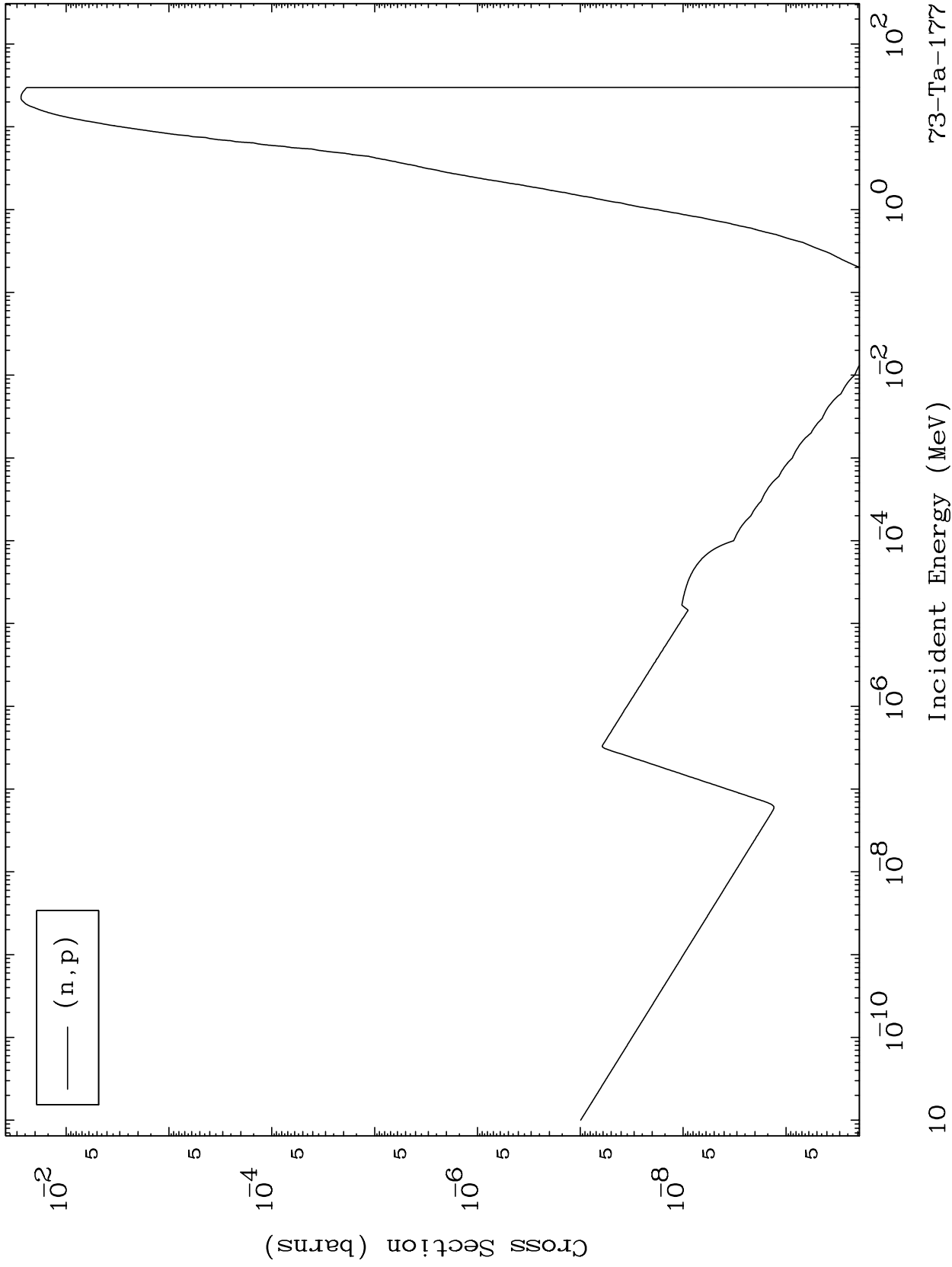
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,p) Levels
293 Kelvin Cross Sections

73-Ta-177



10

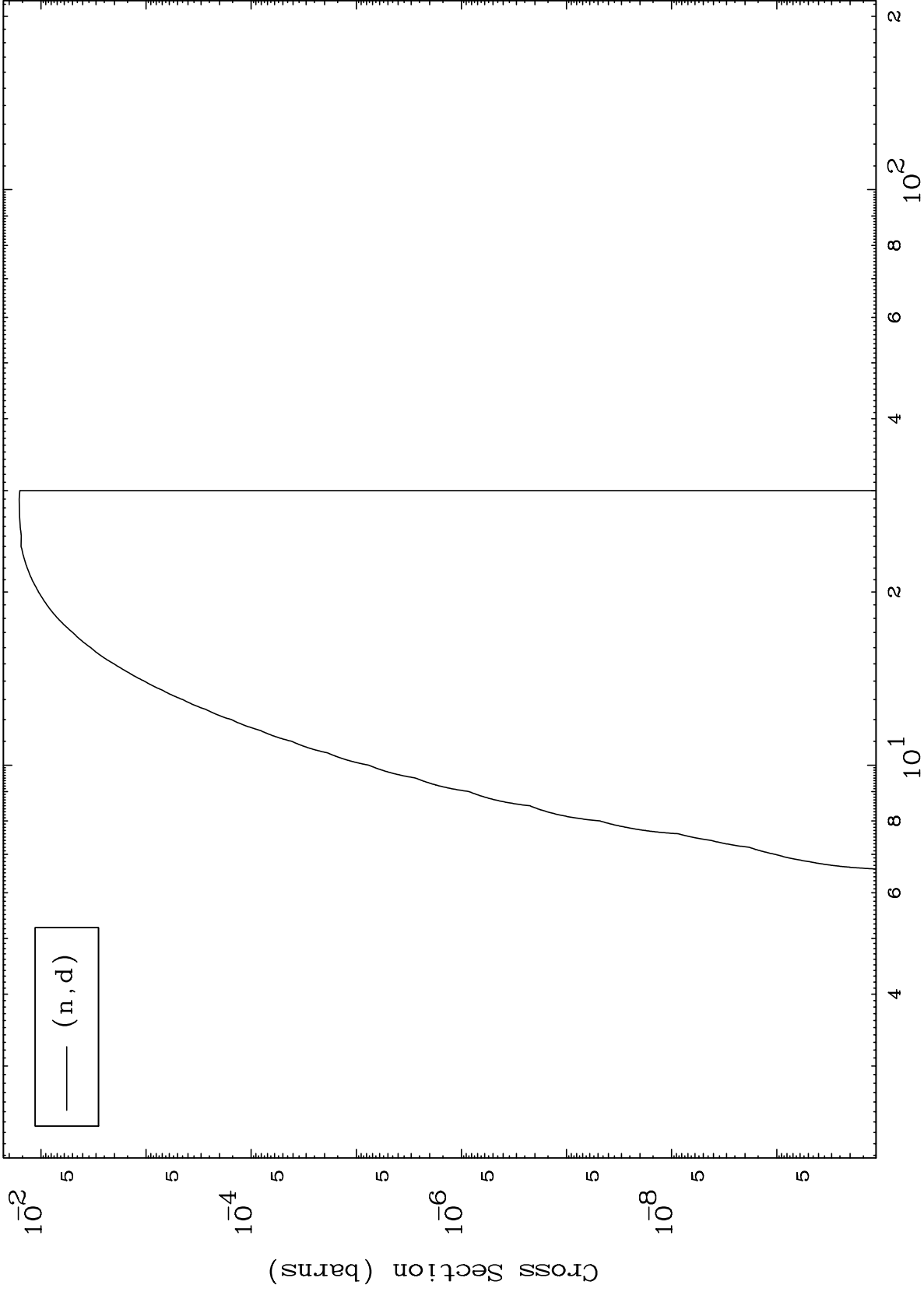
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,d) Levels
293 Kelvin Cross Sections

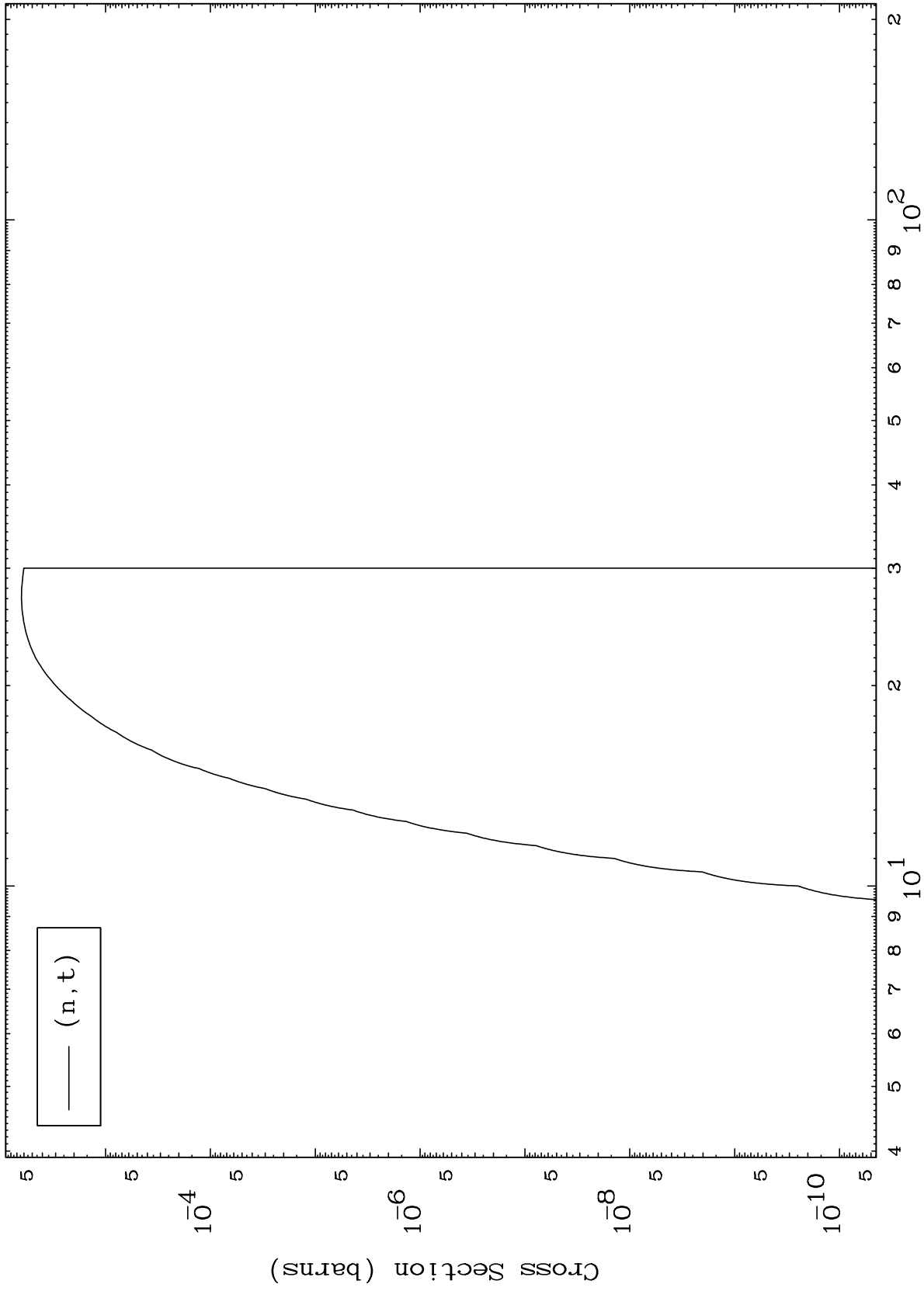
⁷³Ta-177



MAT 7316

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-177



12

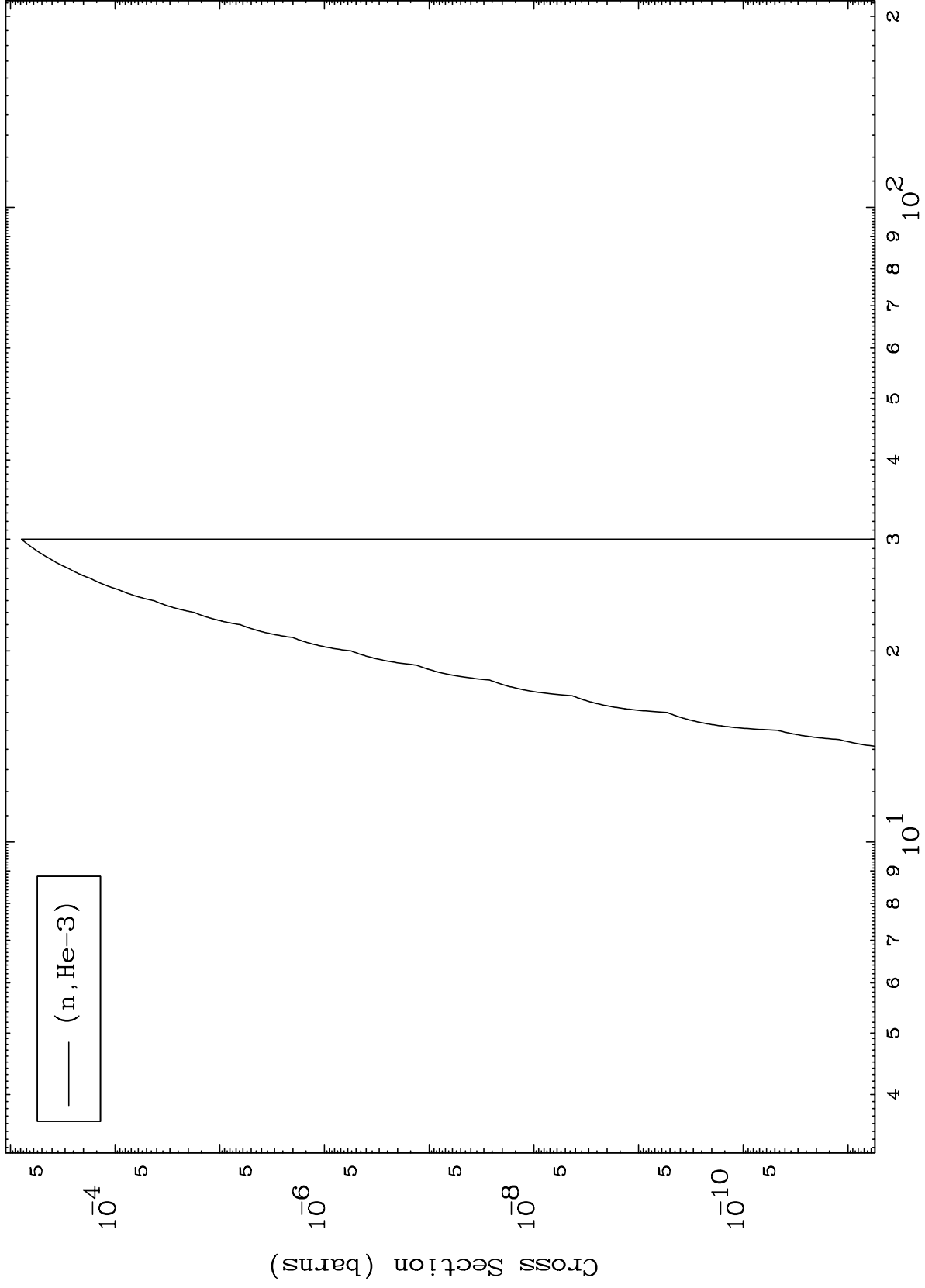
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-177



13

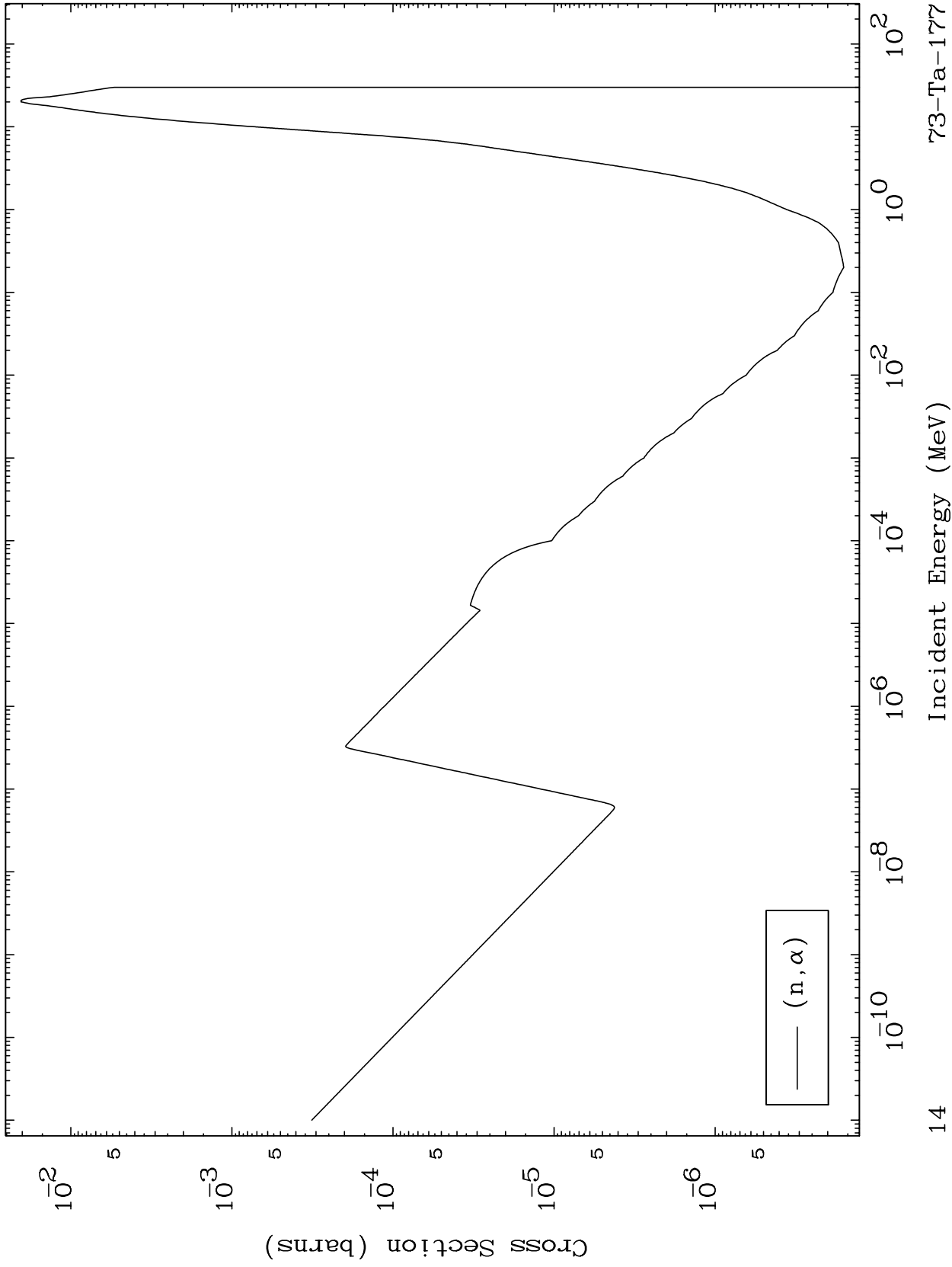
Incident Energy (MeV)

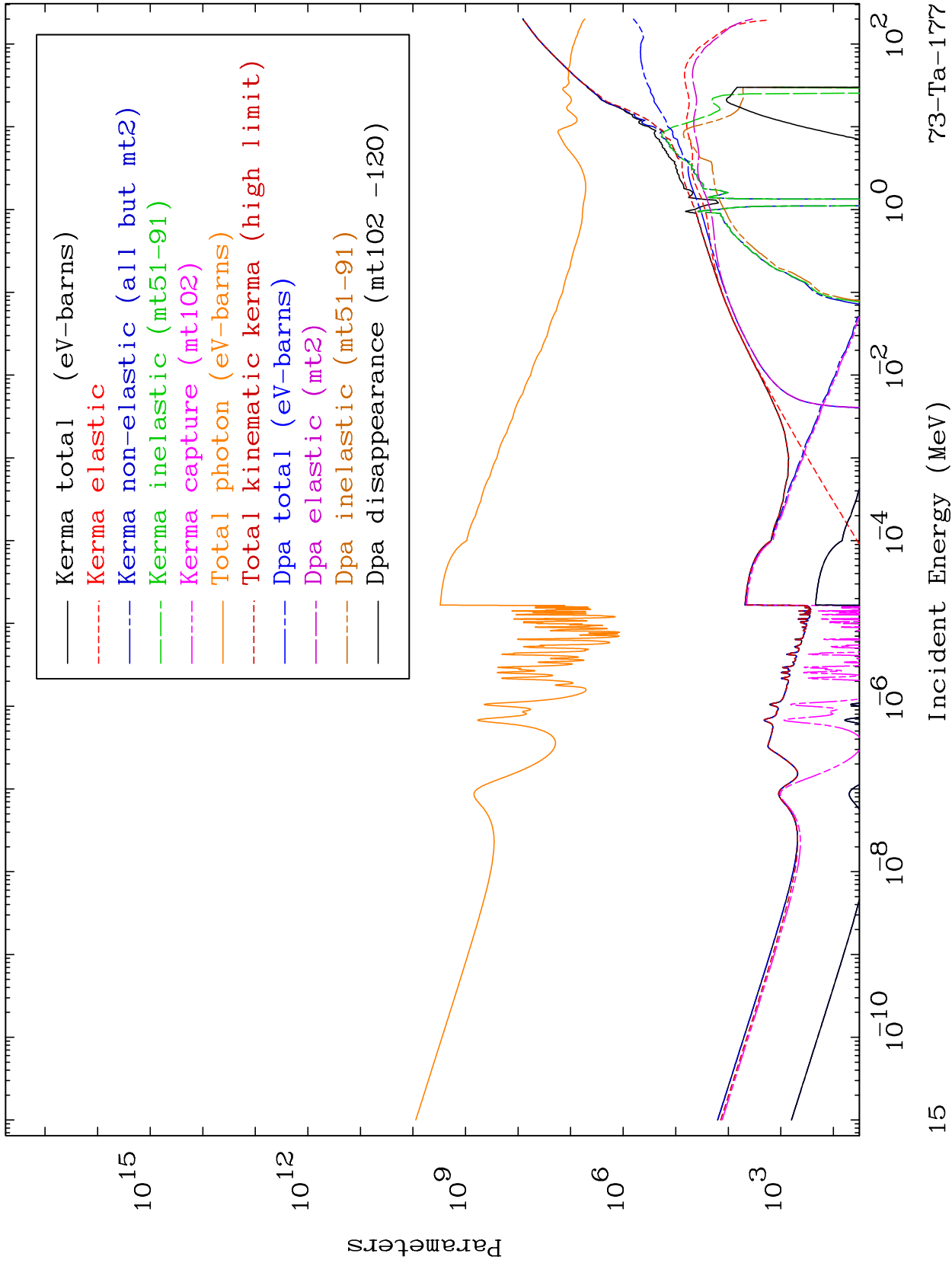
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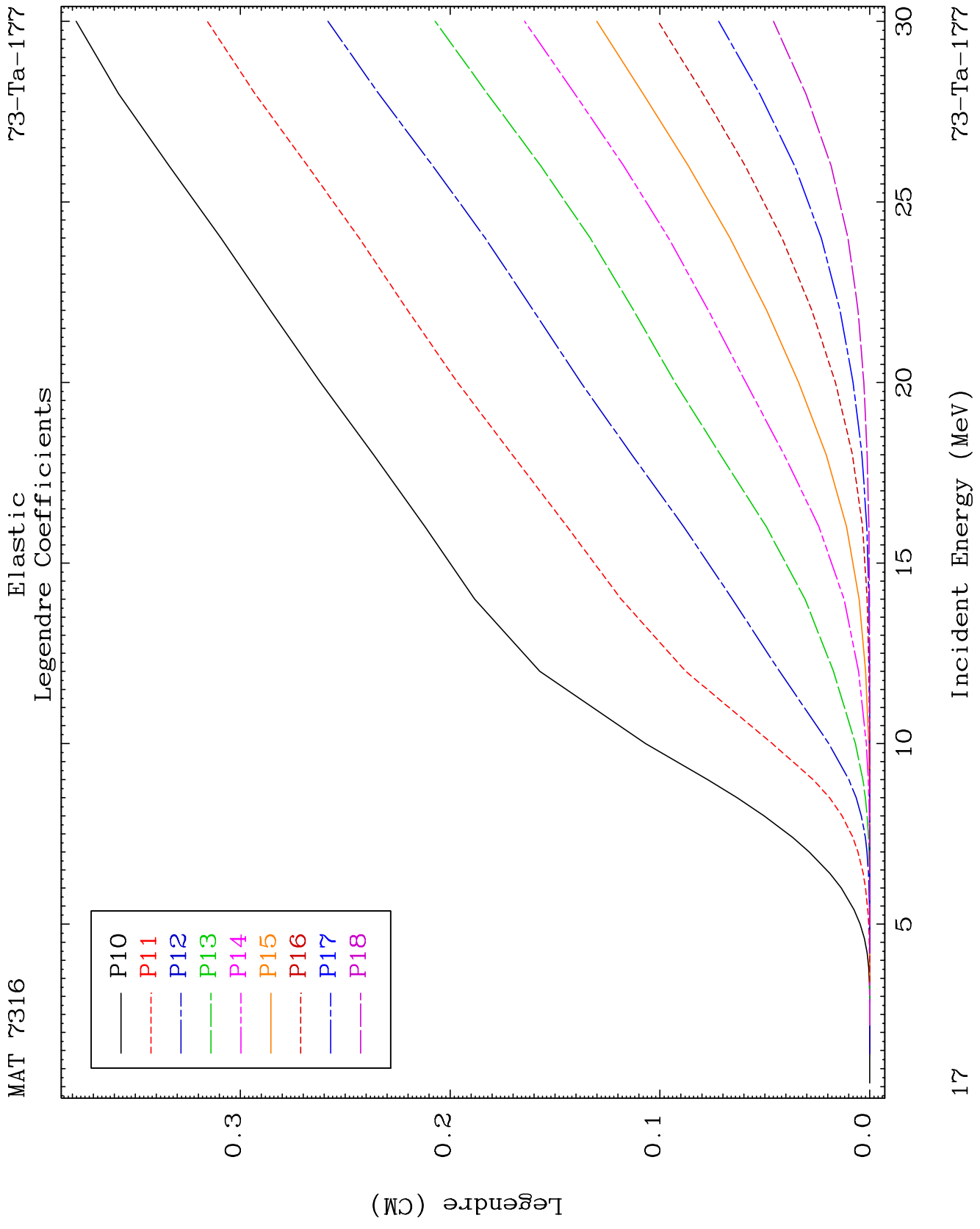
MAT 7316

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-177



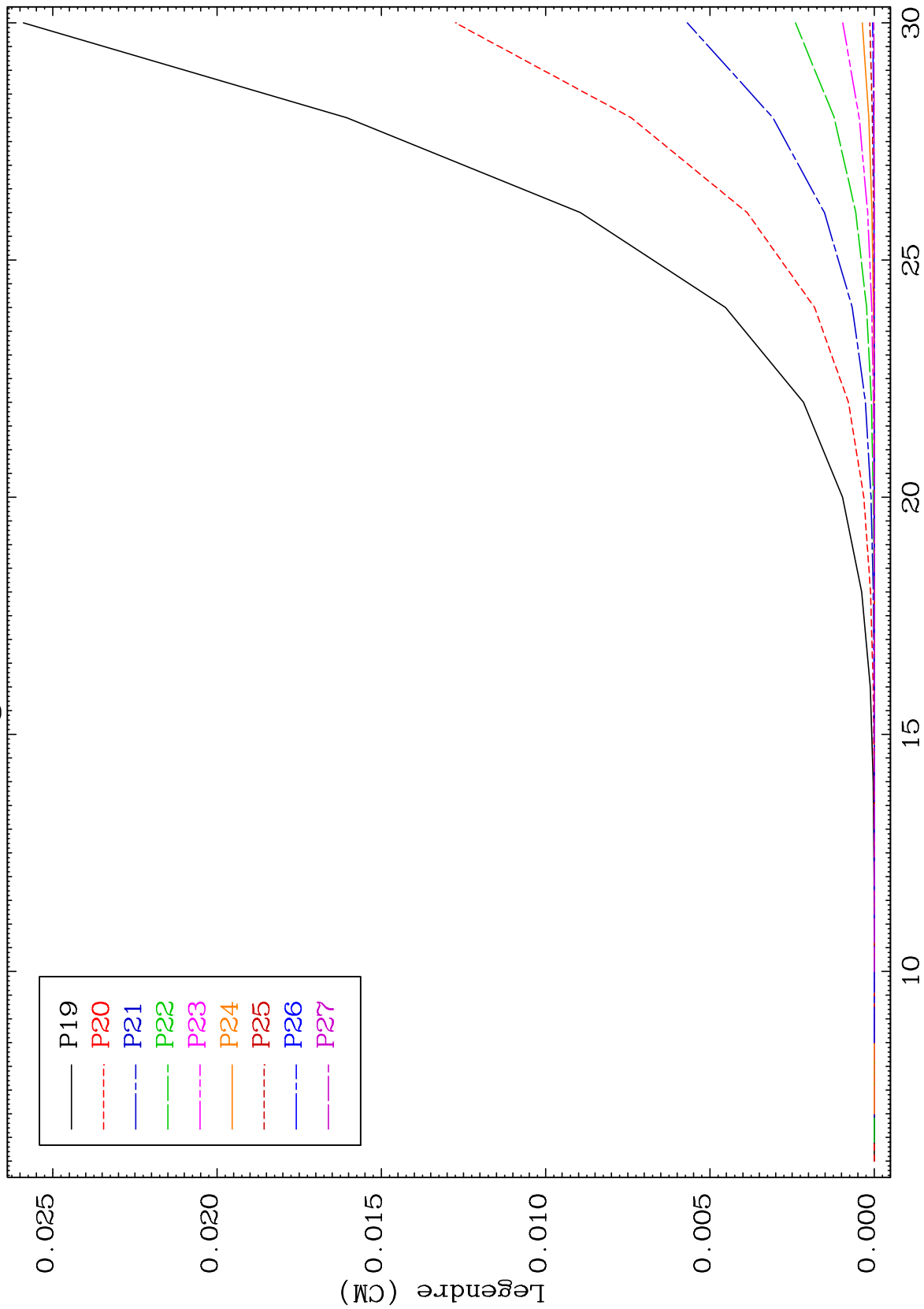




MAT 7316

Elastic Legendre Coefficients

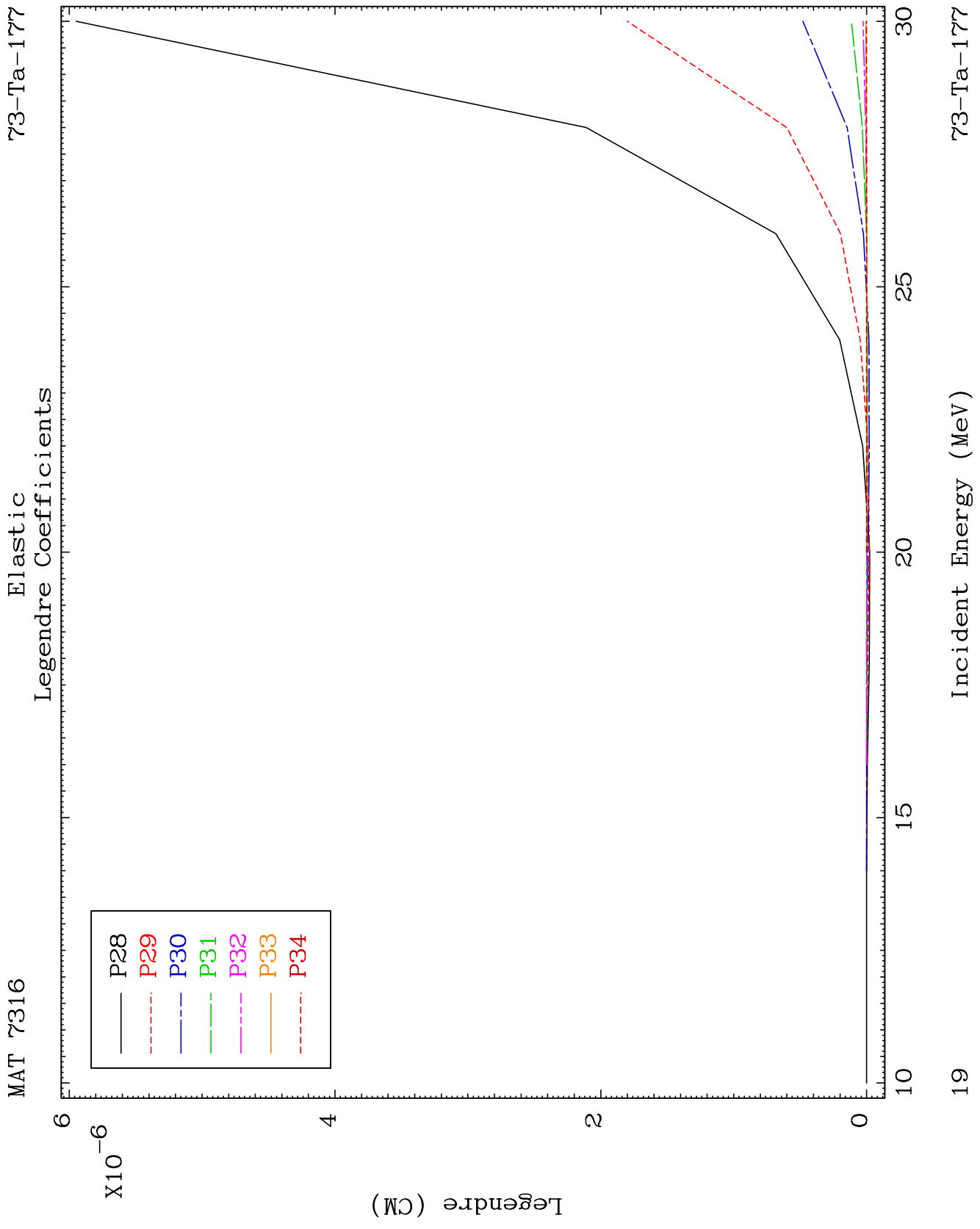
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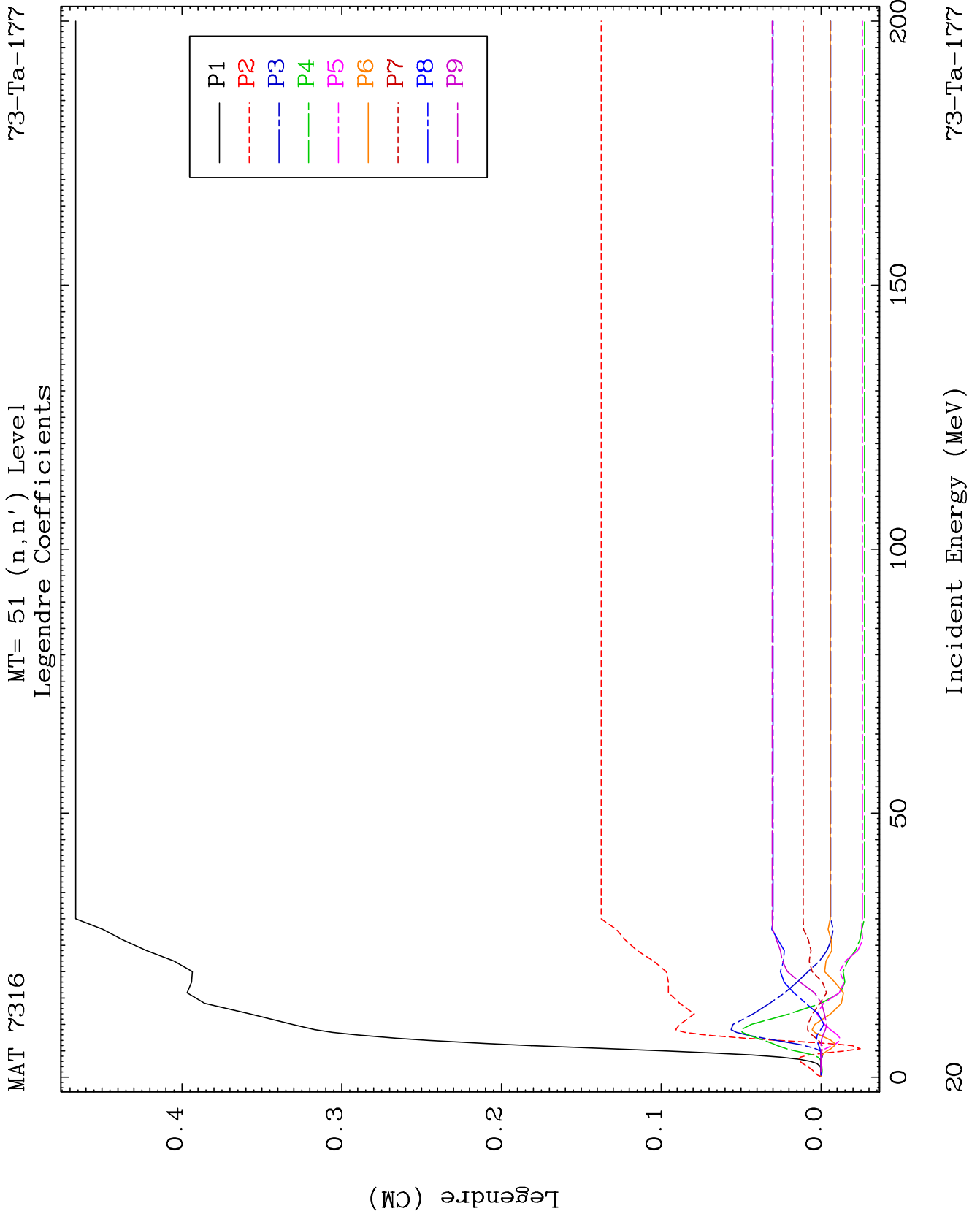


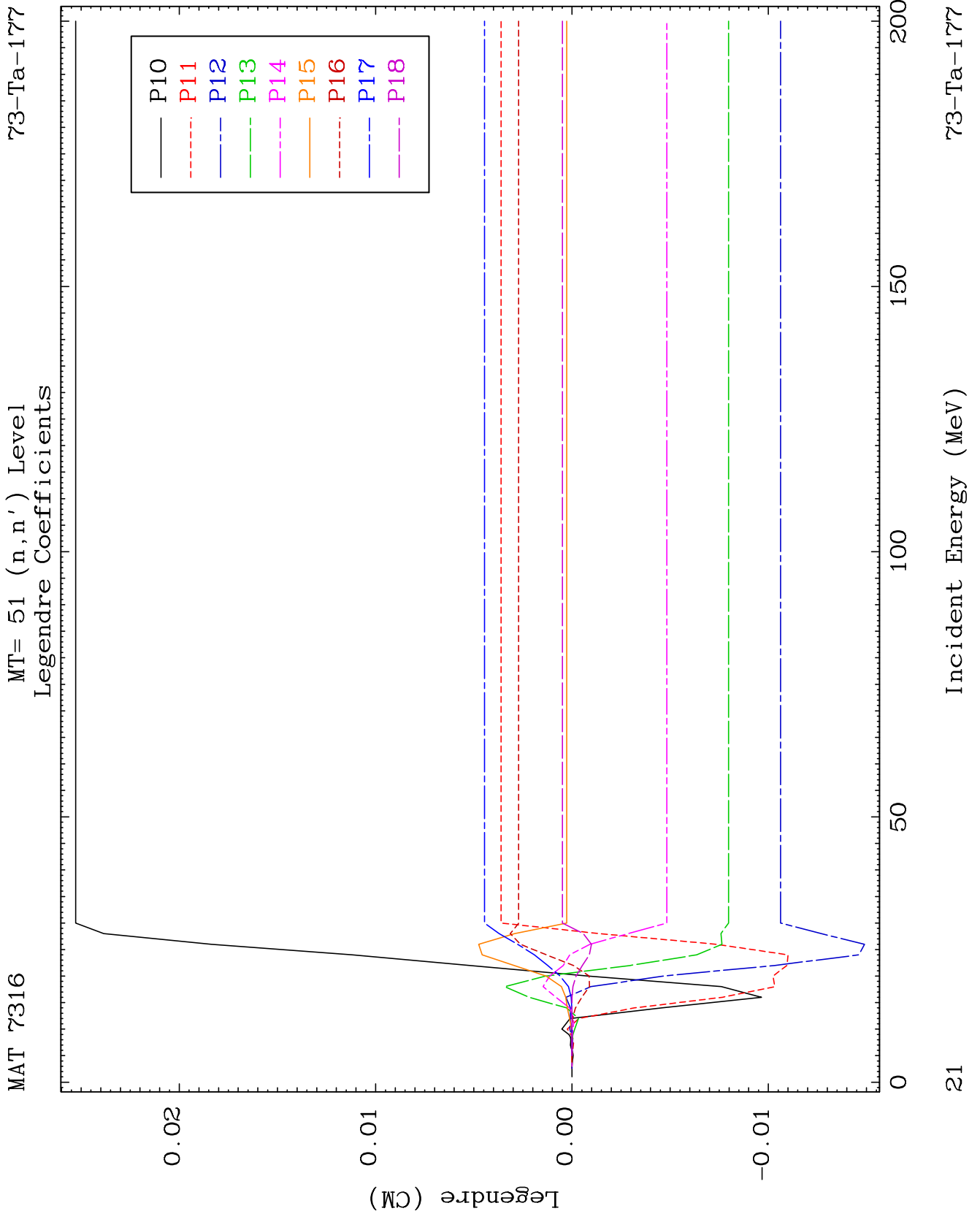
18

Incident Energy (MeV)

73-Ta-177



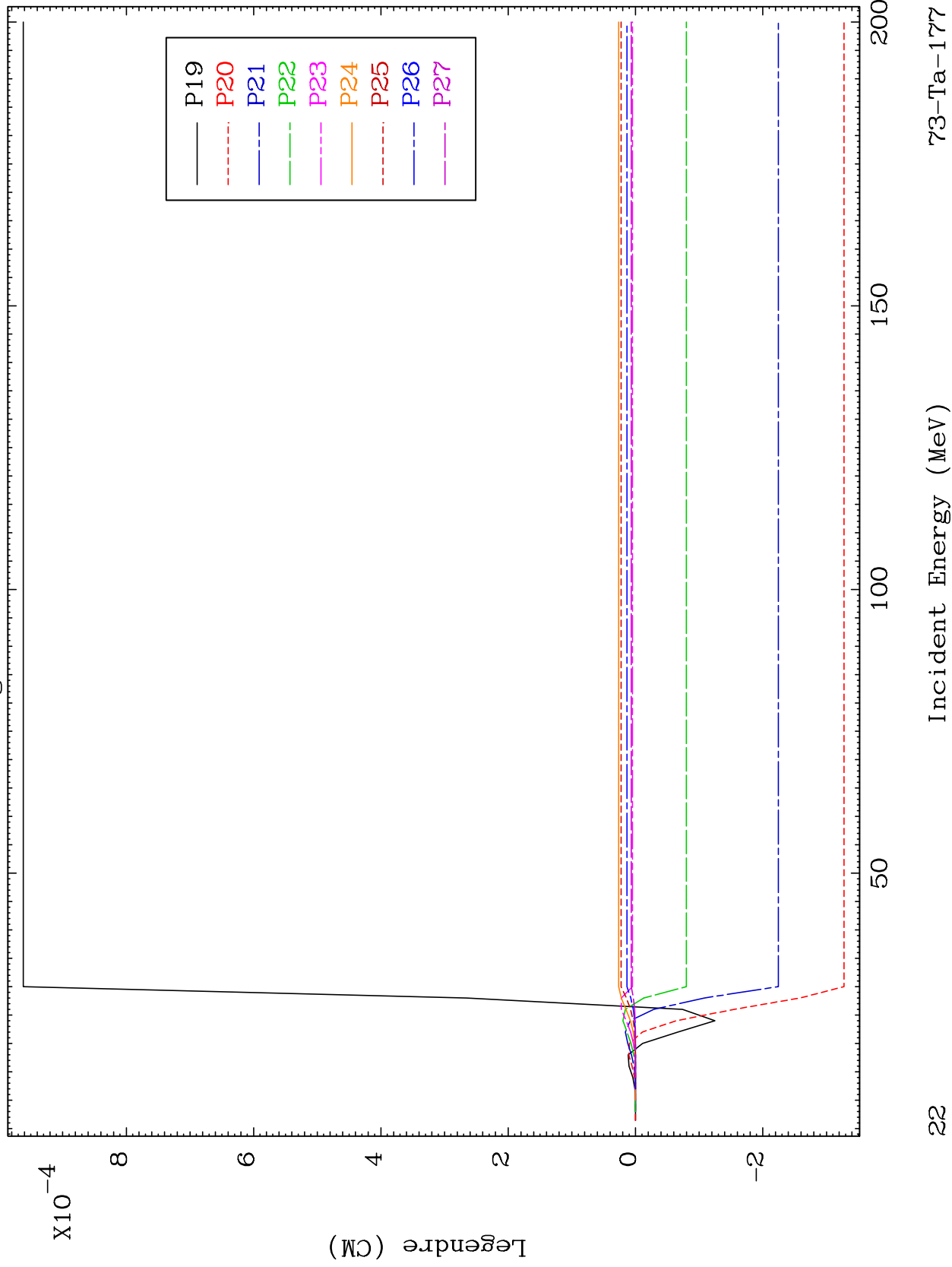




MAT 7316

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

73-Ta-177



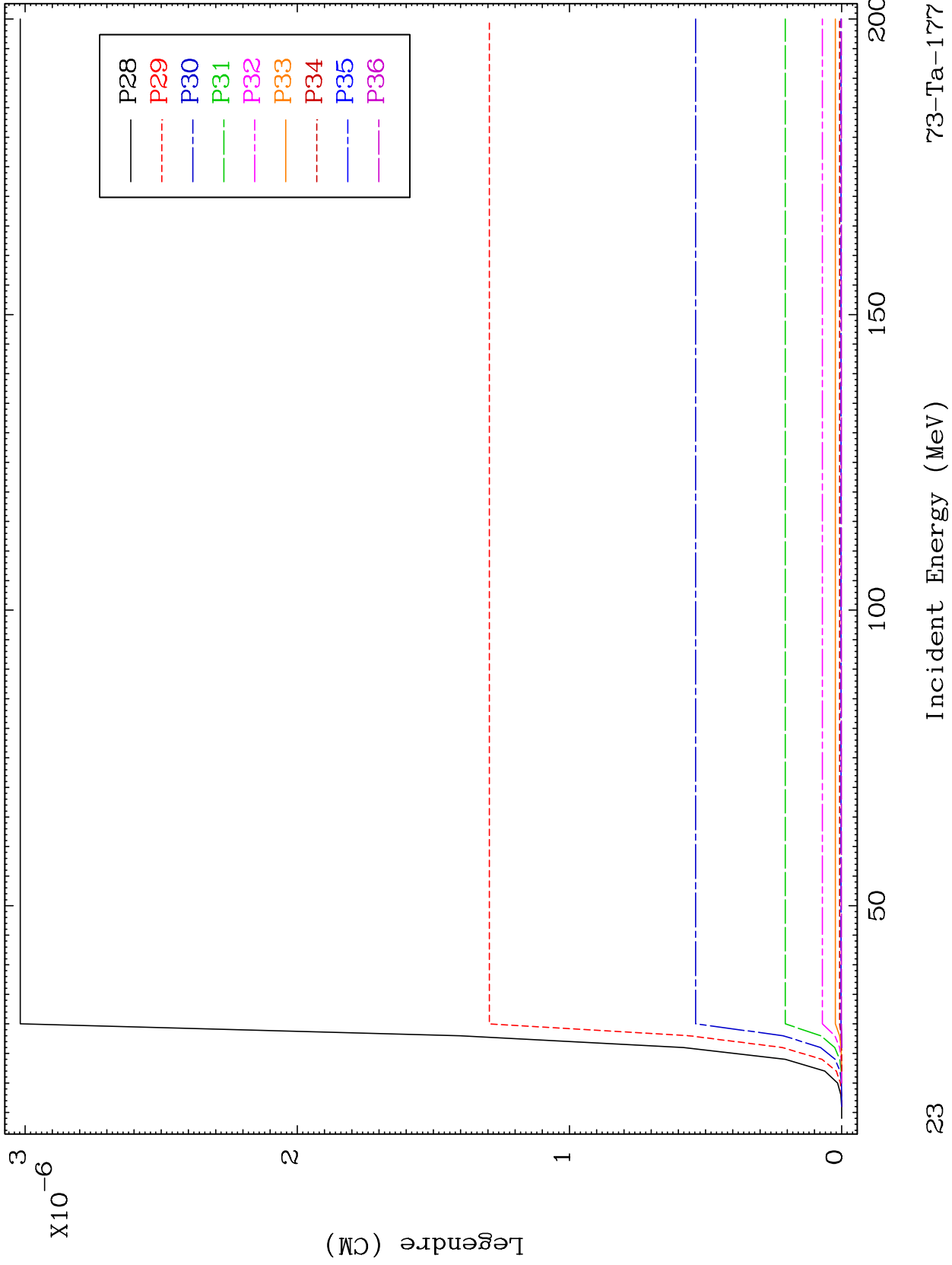
22

73-Ta-177

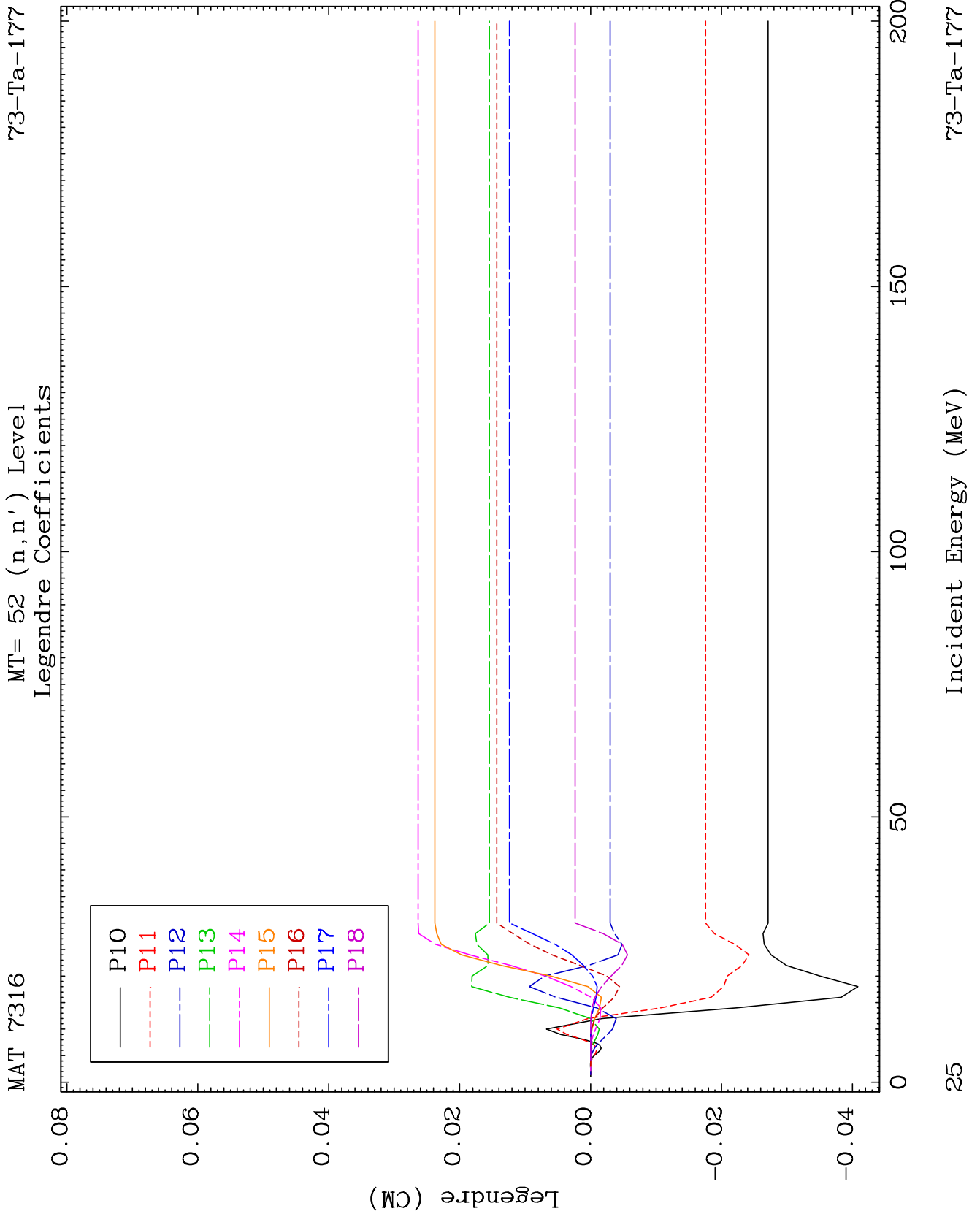
MAT 7316

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

73-Ta-177



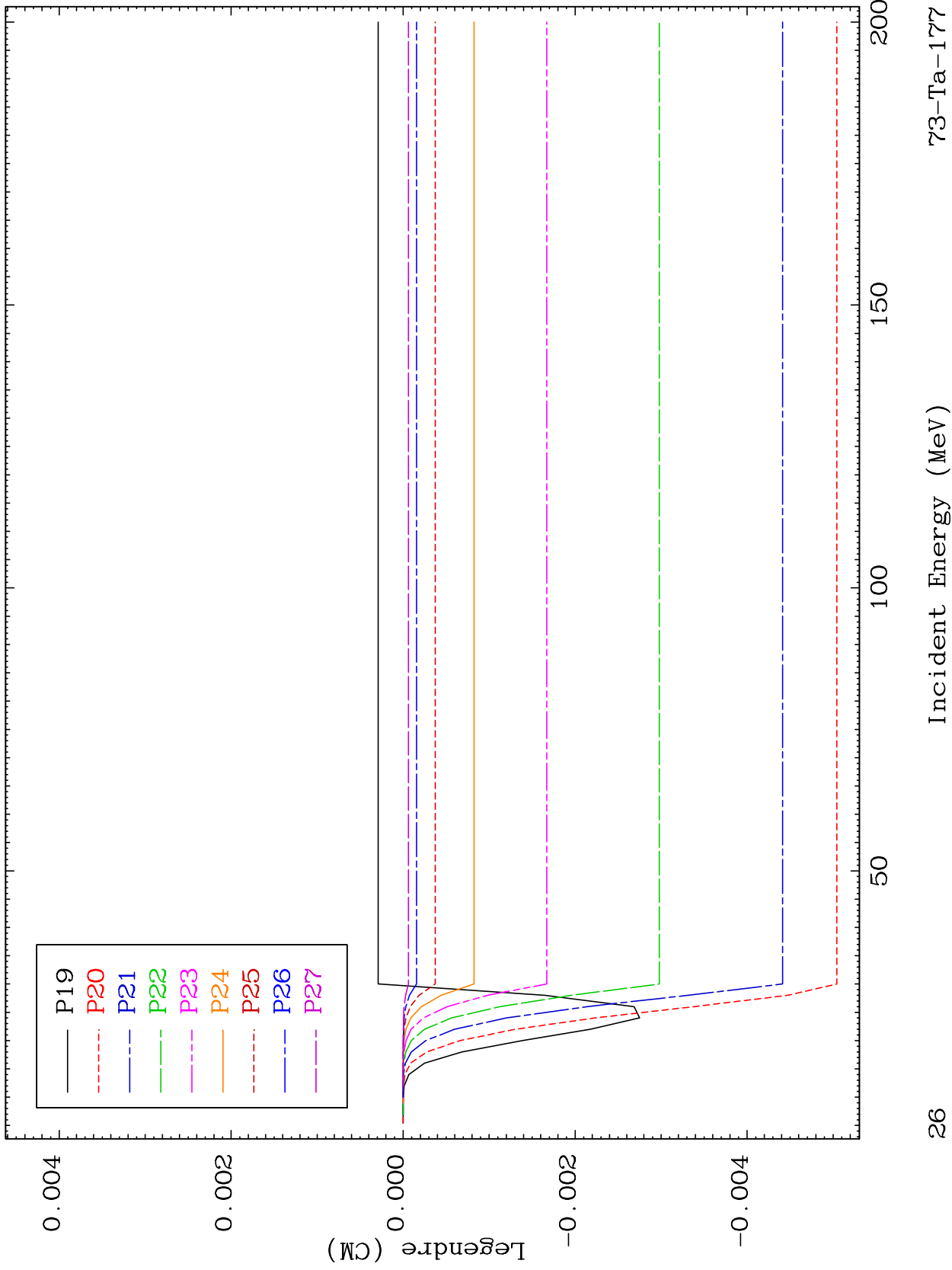
23



MAT 7316

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

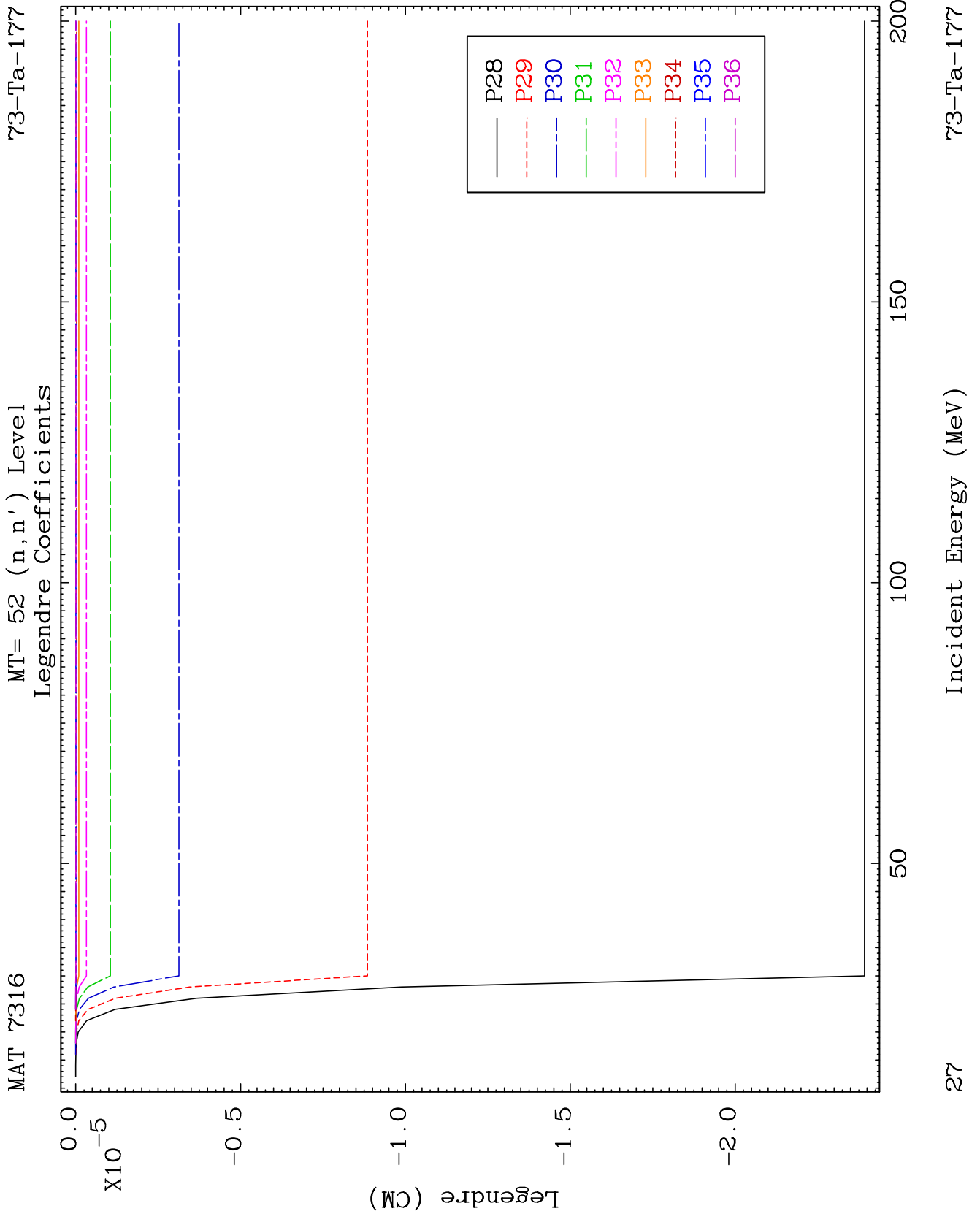
73-Ta-177



26

Incident Energy (MeV)

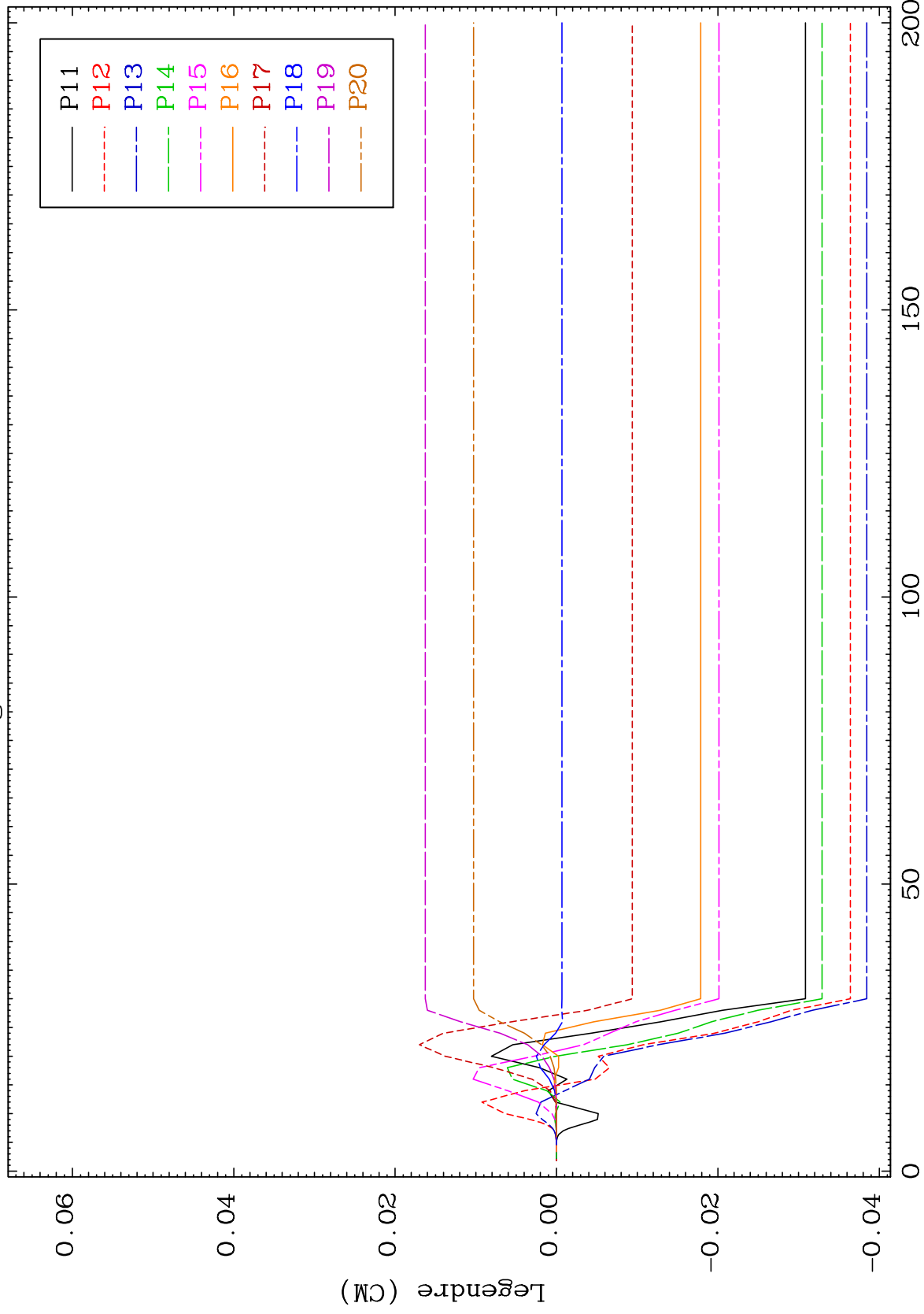
73-Ta-177



MAT 7316

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

73-Ta-177



29

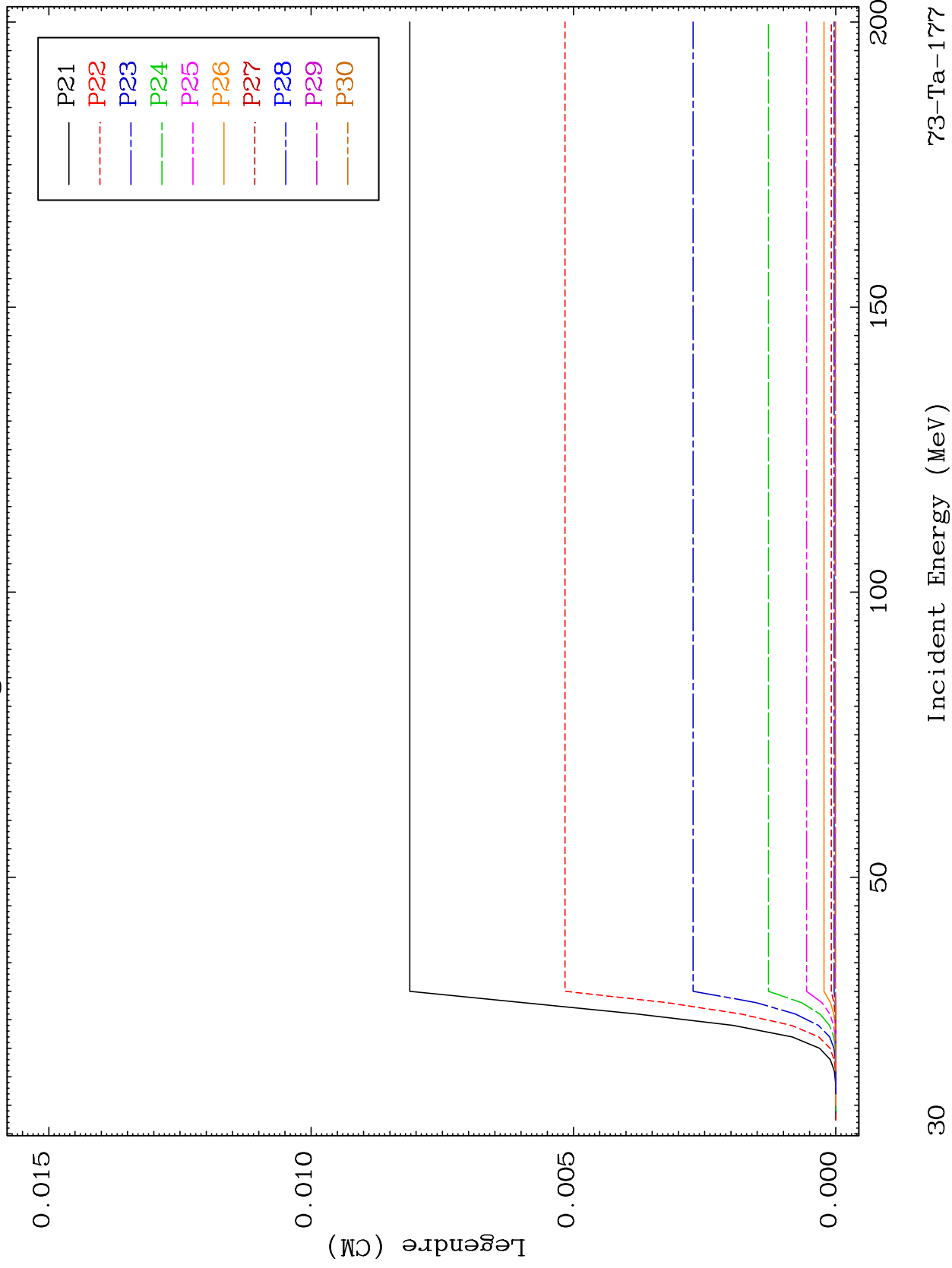
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



73-Ta-177

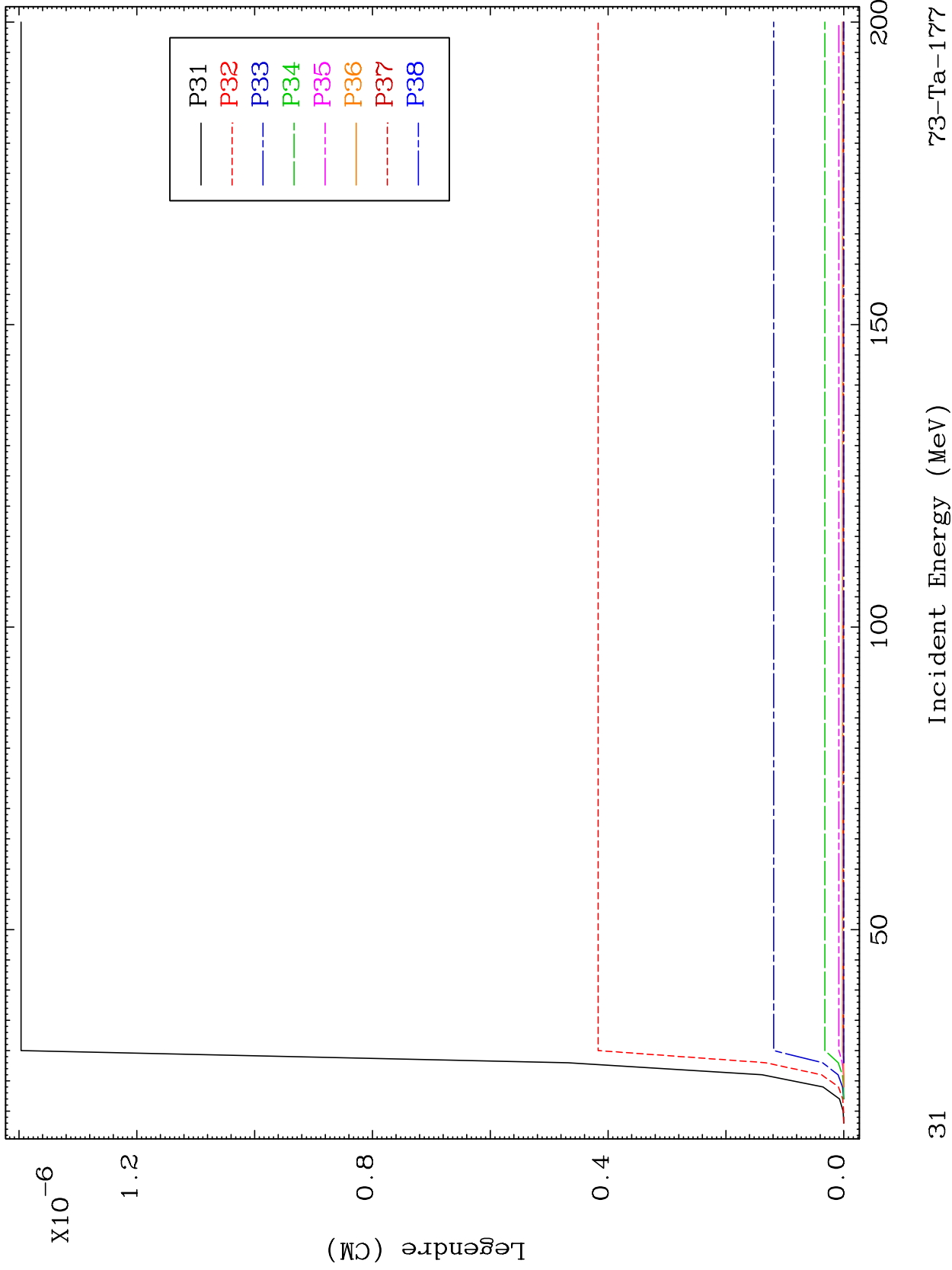
Incident Energy (MeV)

30

MAT 7316

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

73-Ta-177



31

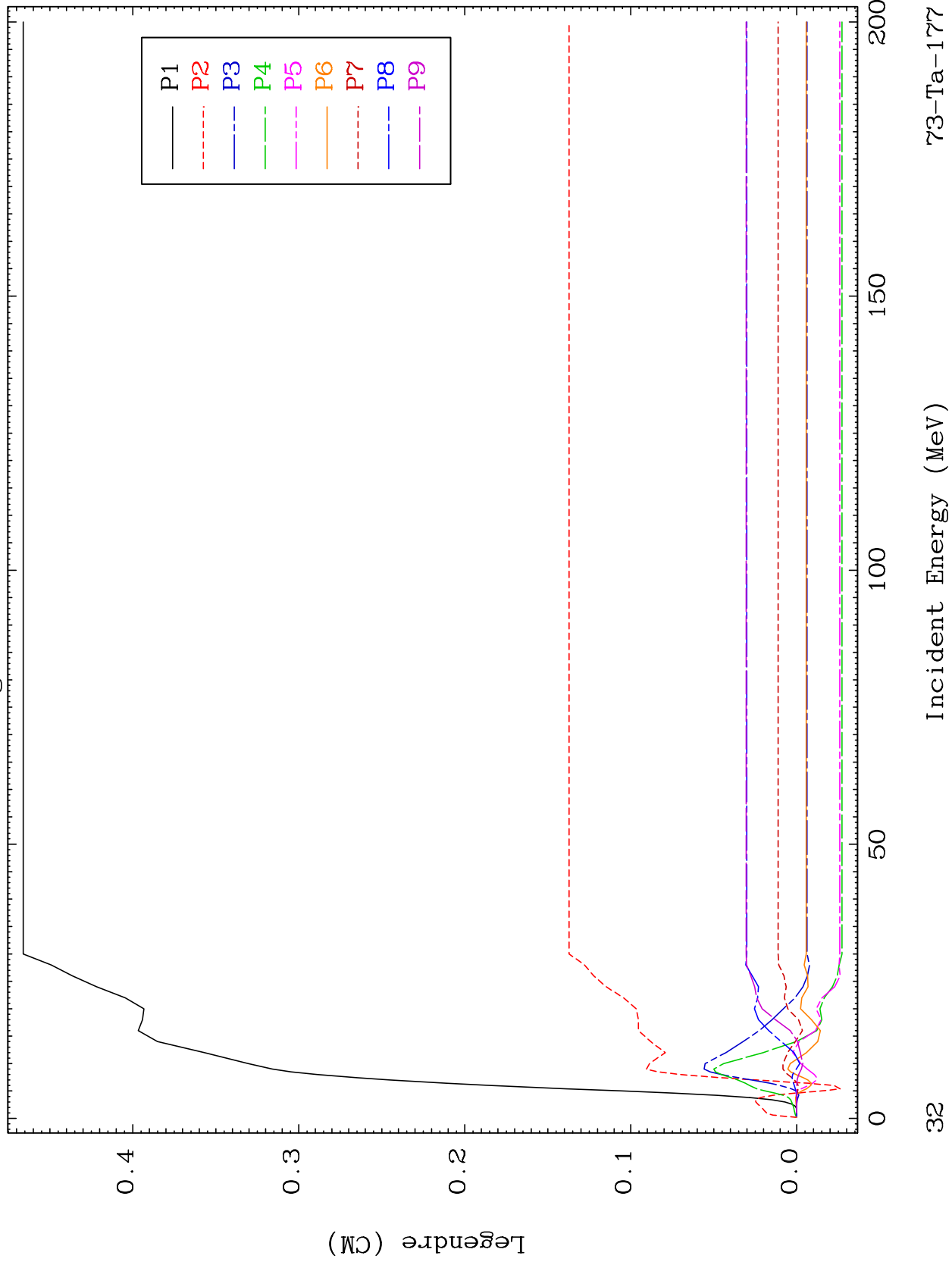
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

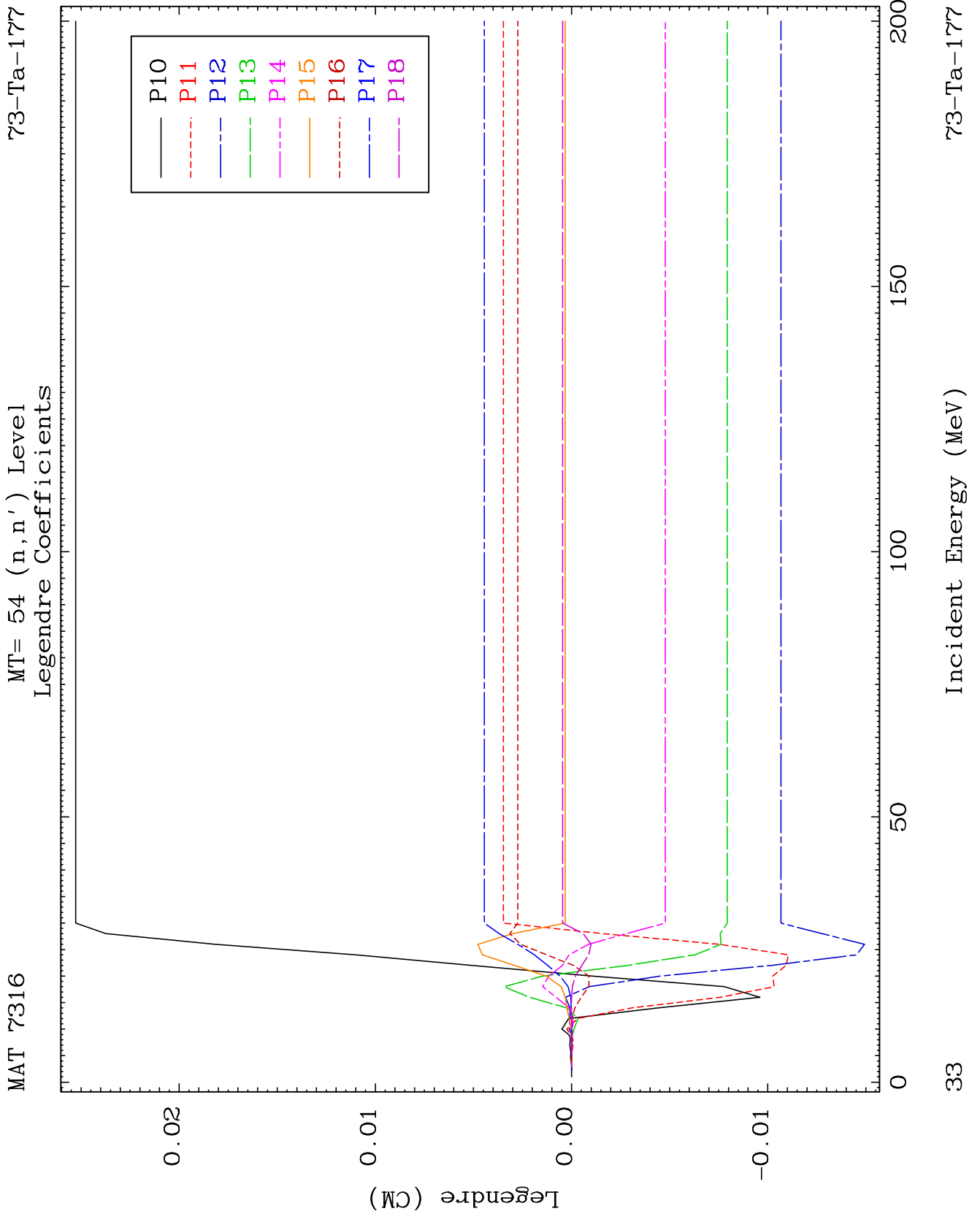
73-Ta-177



73-Ta-177

Incident Energy (MeV)

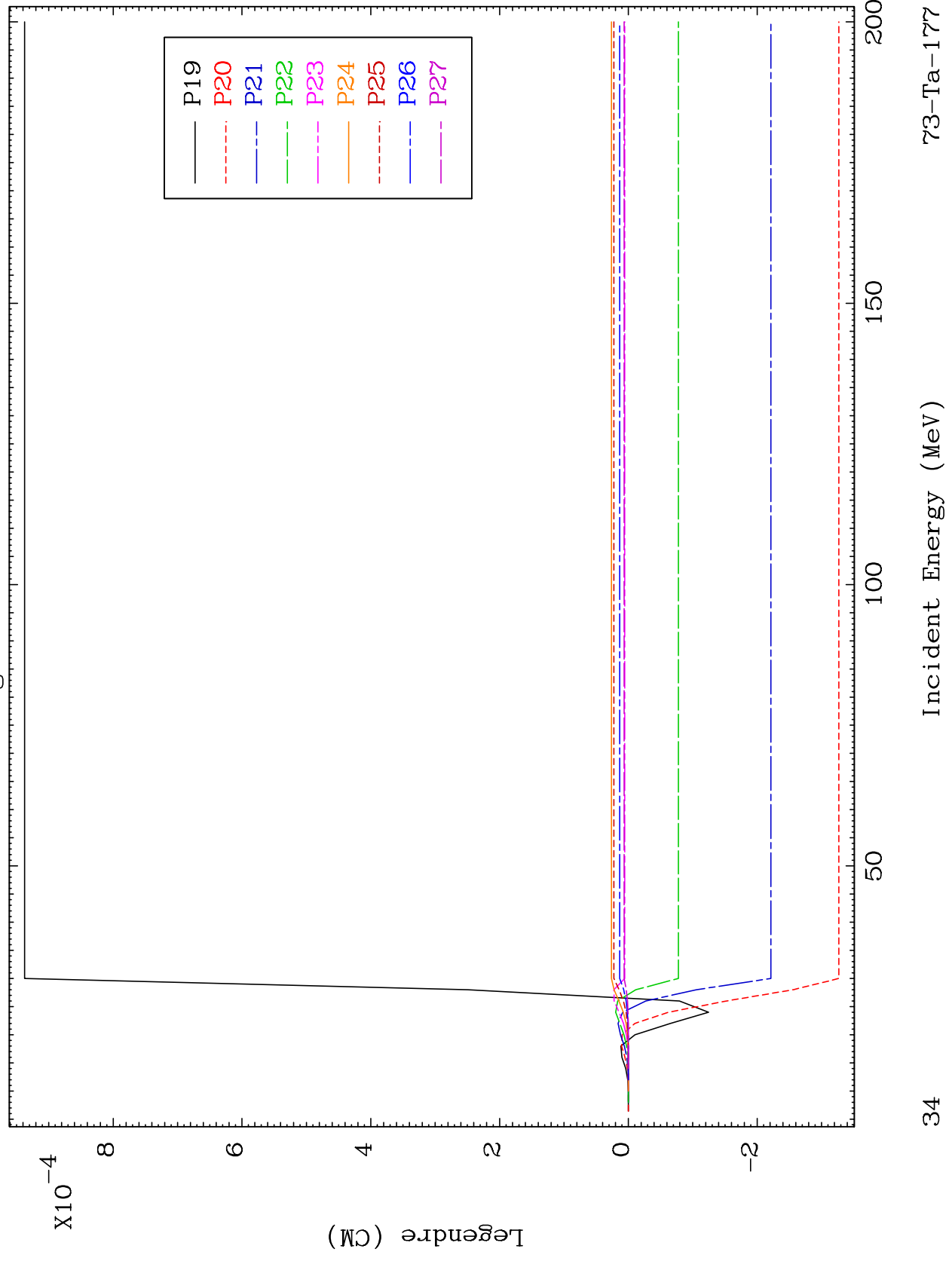
32



MAT 7316

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

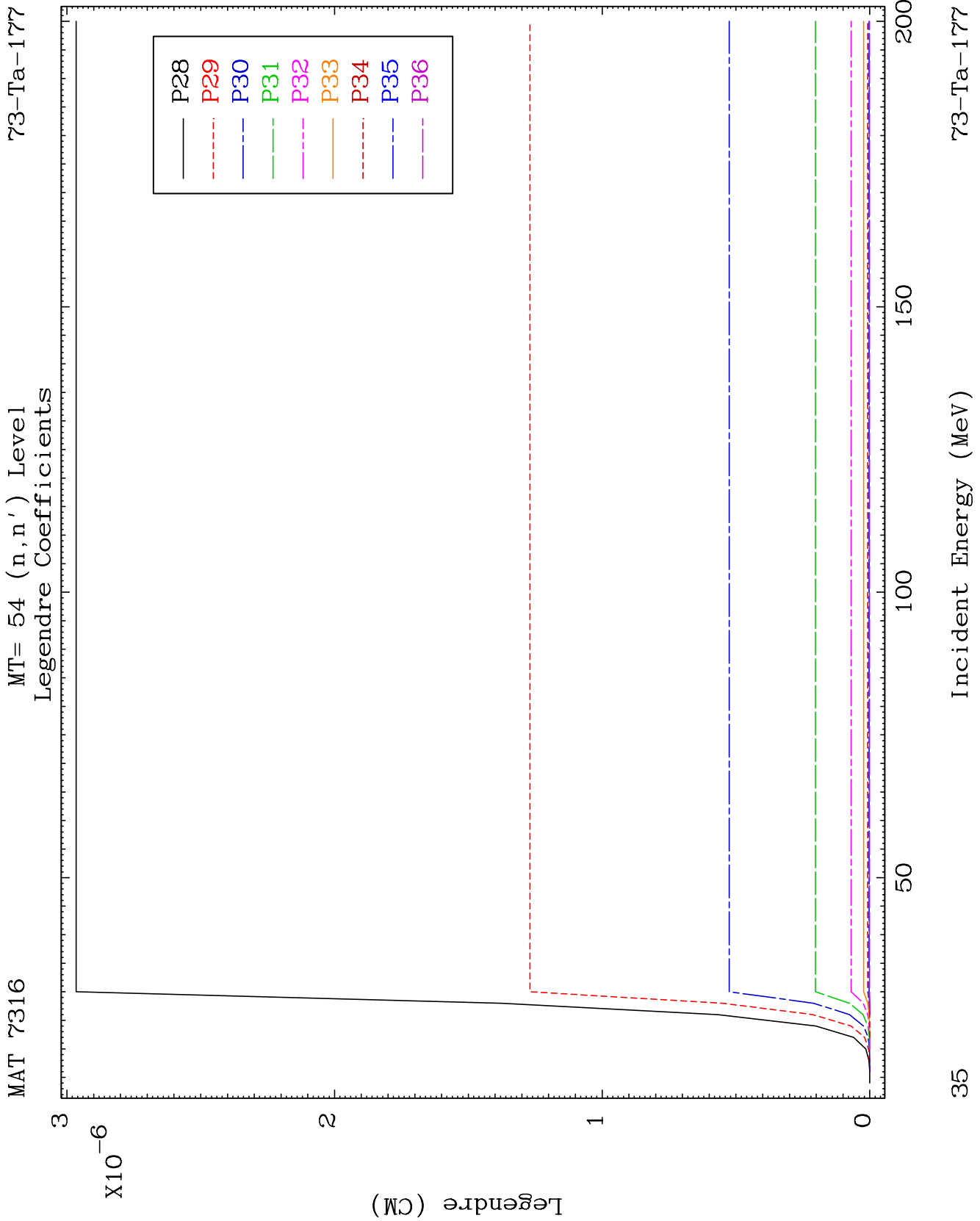
73-Ta-177



34

Incident Energy (MeV)

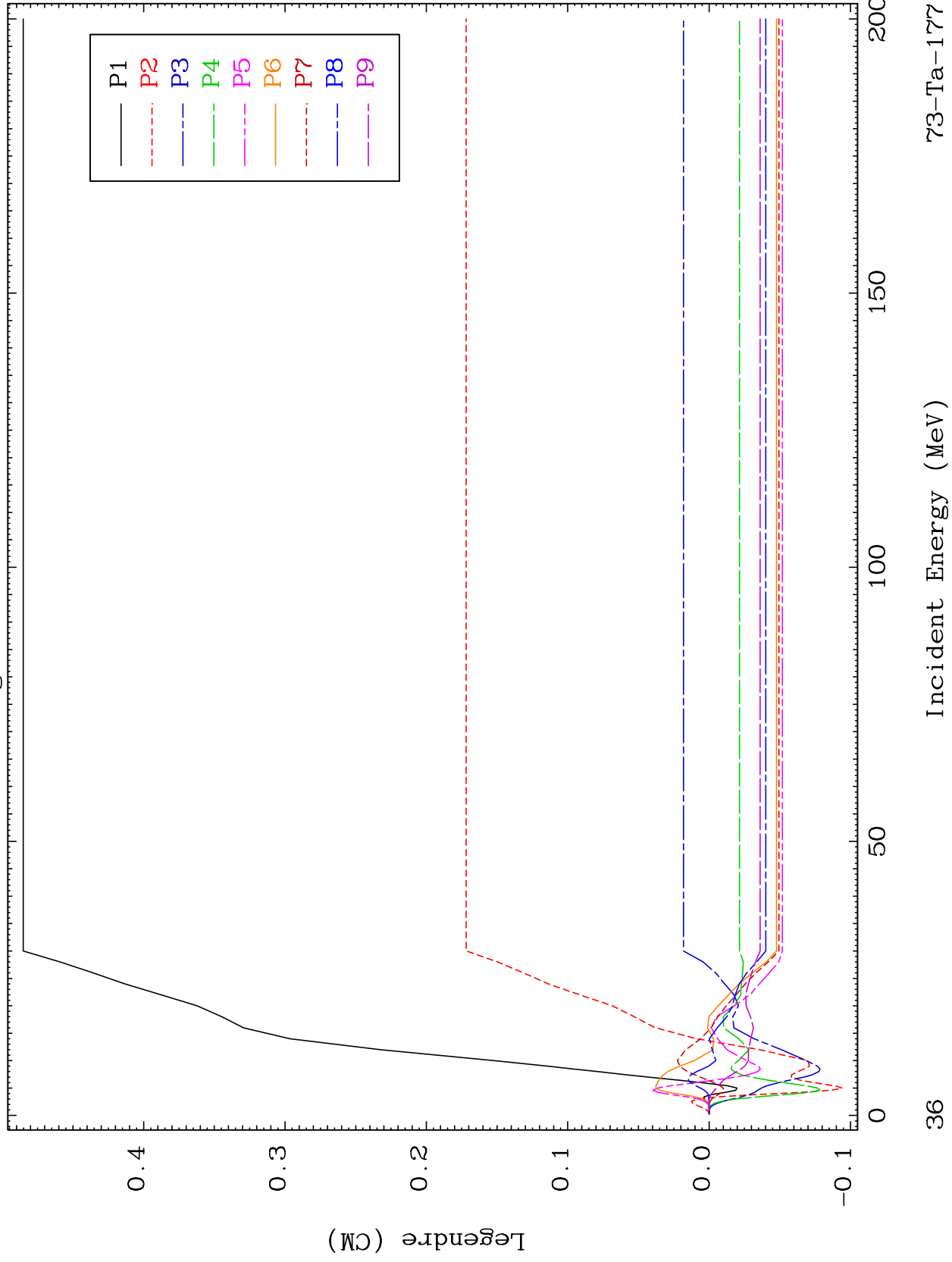
73-Ta-177



MAT 7316

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

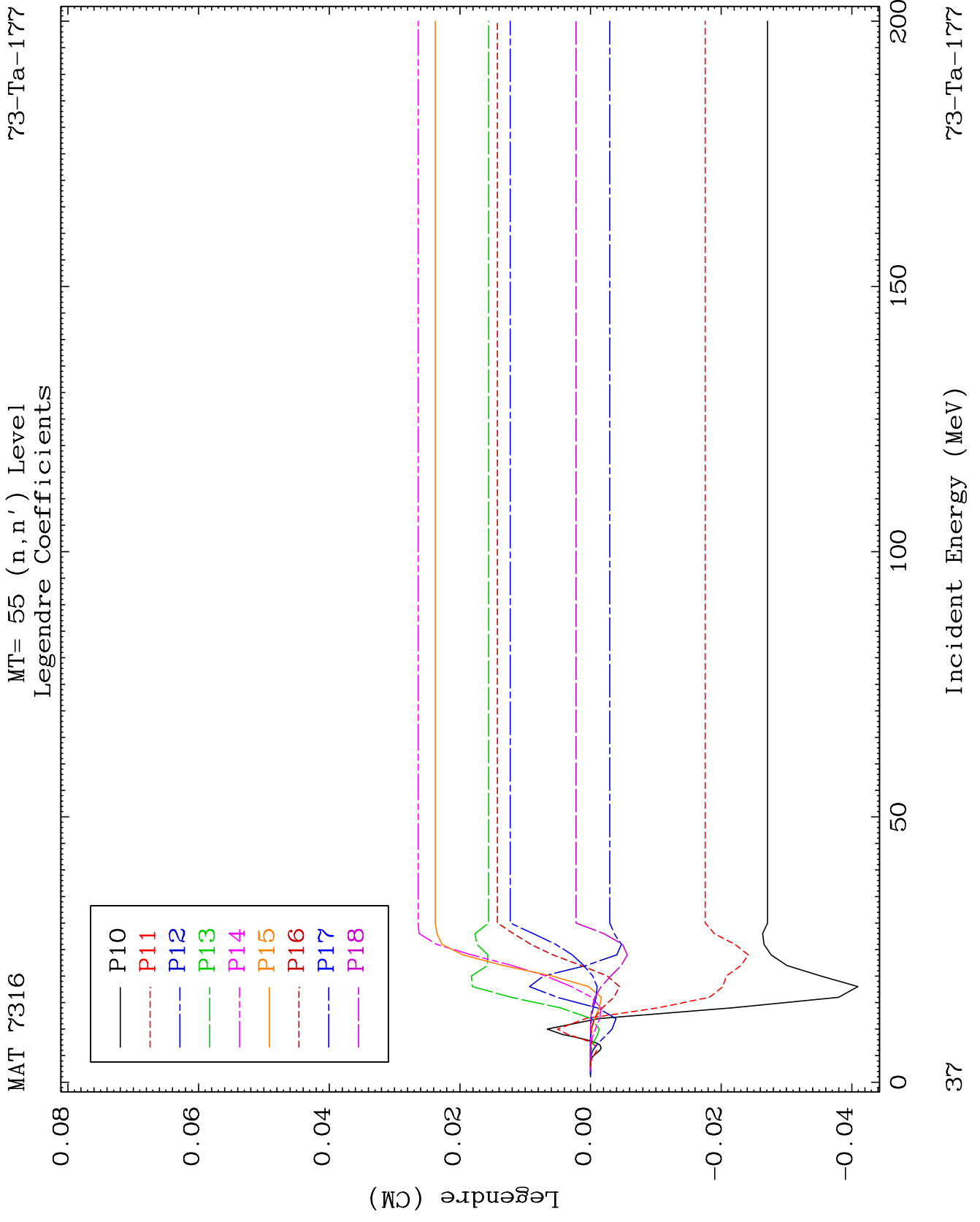
⁷³Ta-177



⁷³Ta-177

Incident Energy (MeV)

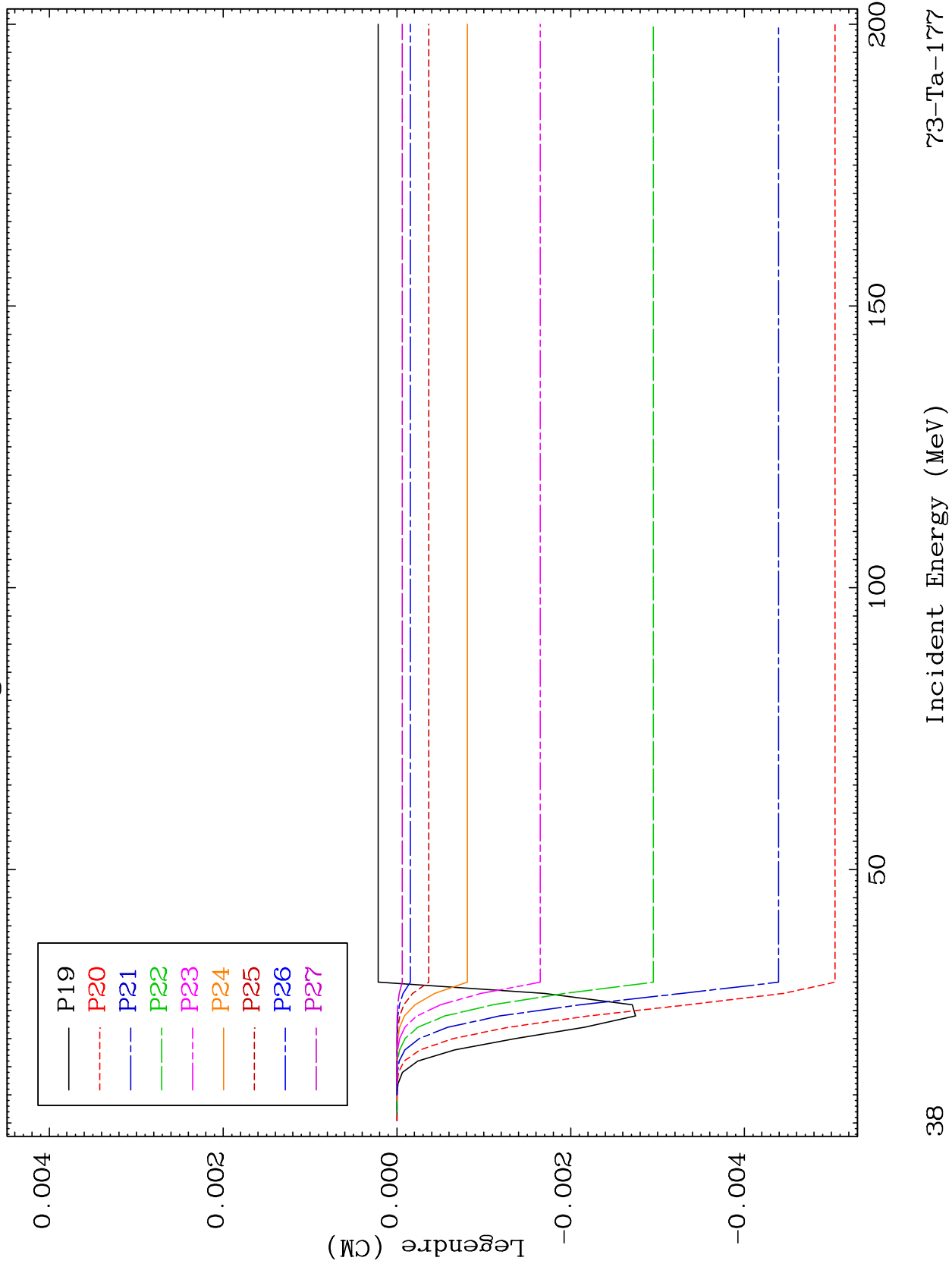
36



MAT 7316

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

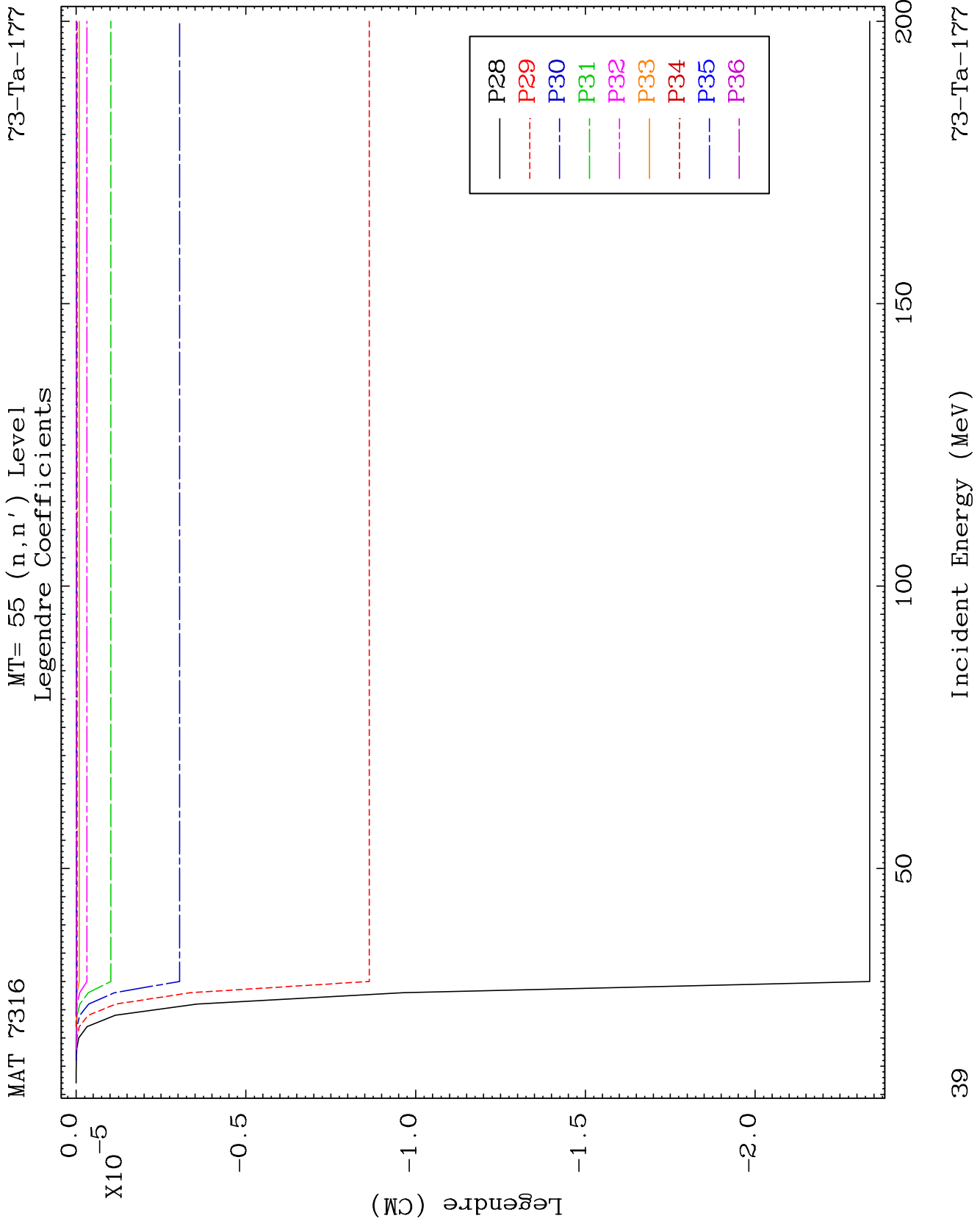
73-Ta-177

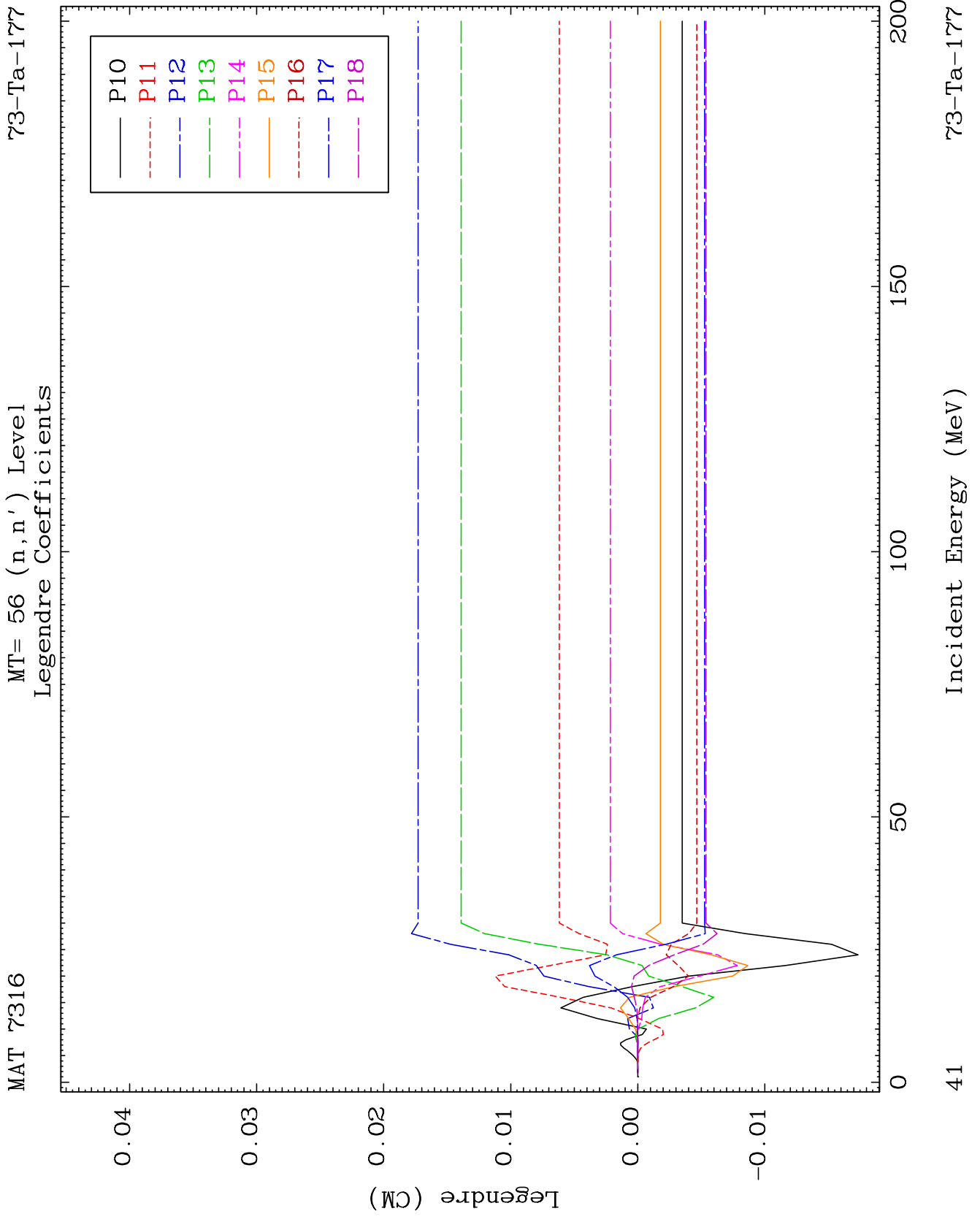


38

Incident Energy (MeV)

73-Ta-177

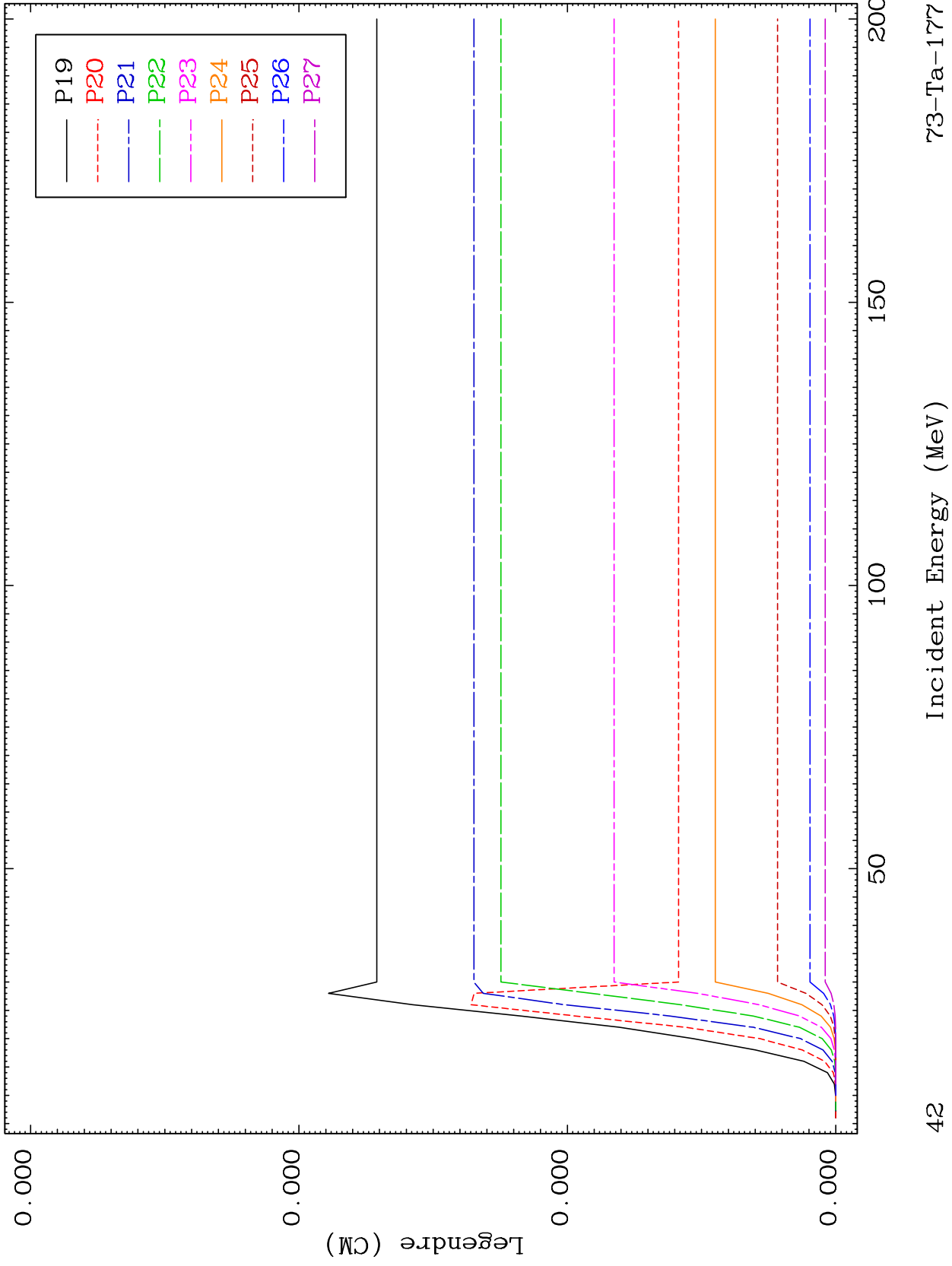




MAT 7316

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

73-Ta-177



42

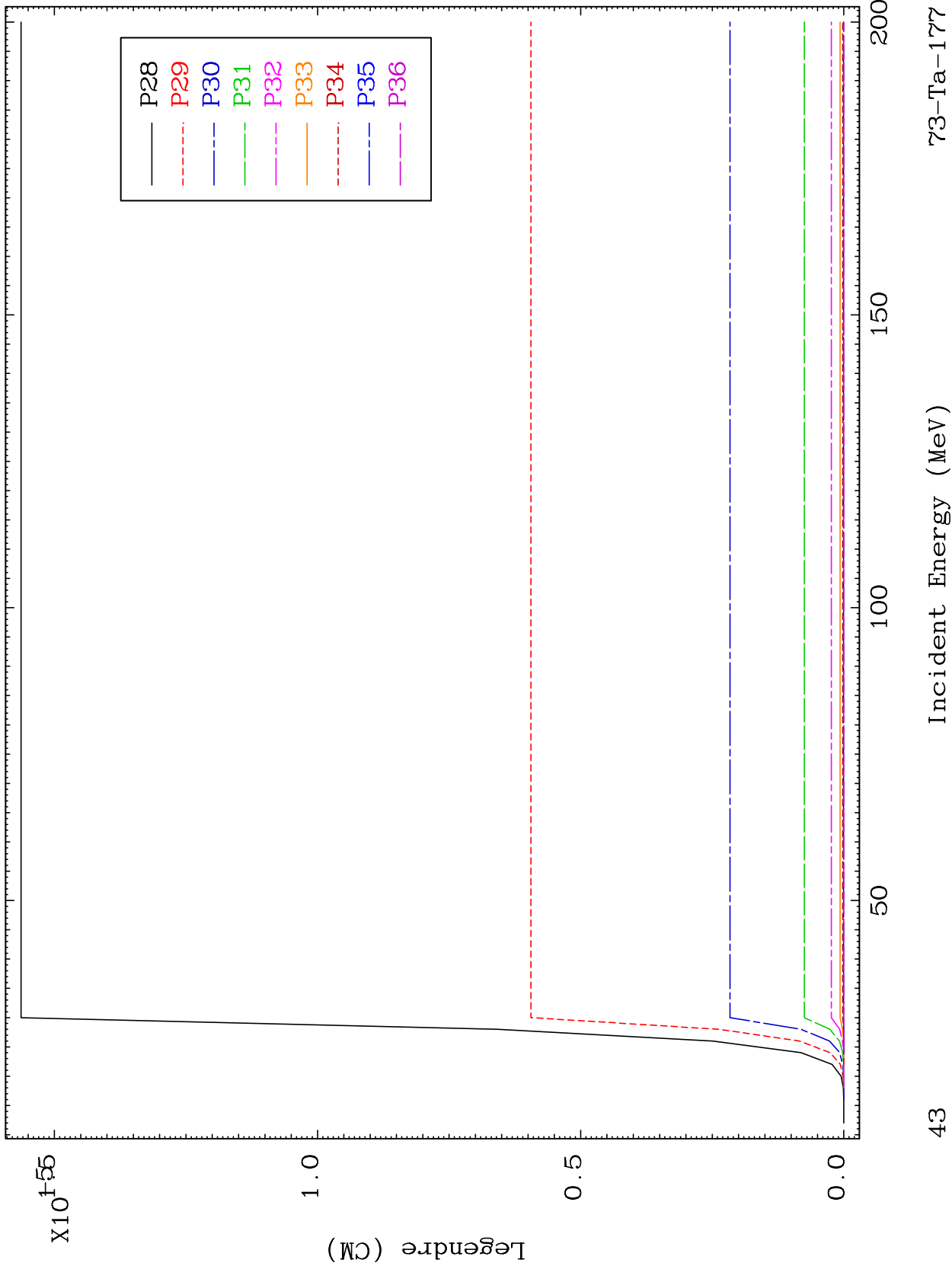
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177

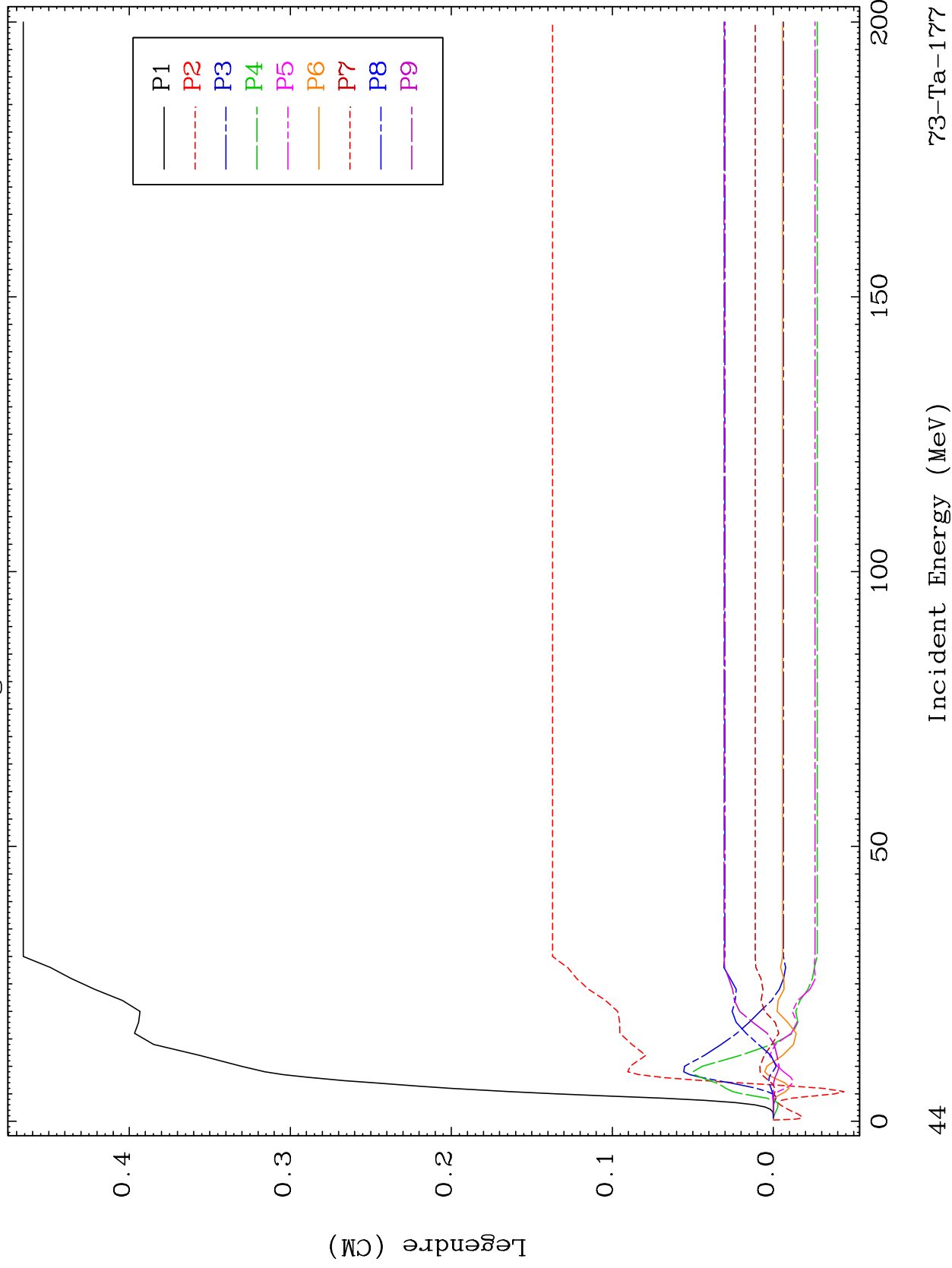


43

MAT 7316

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

73-Ta-177



73-Ta-177

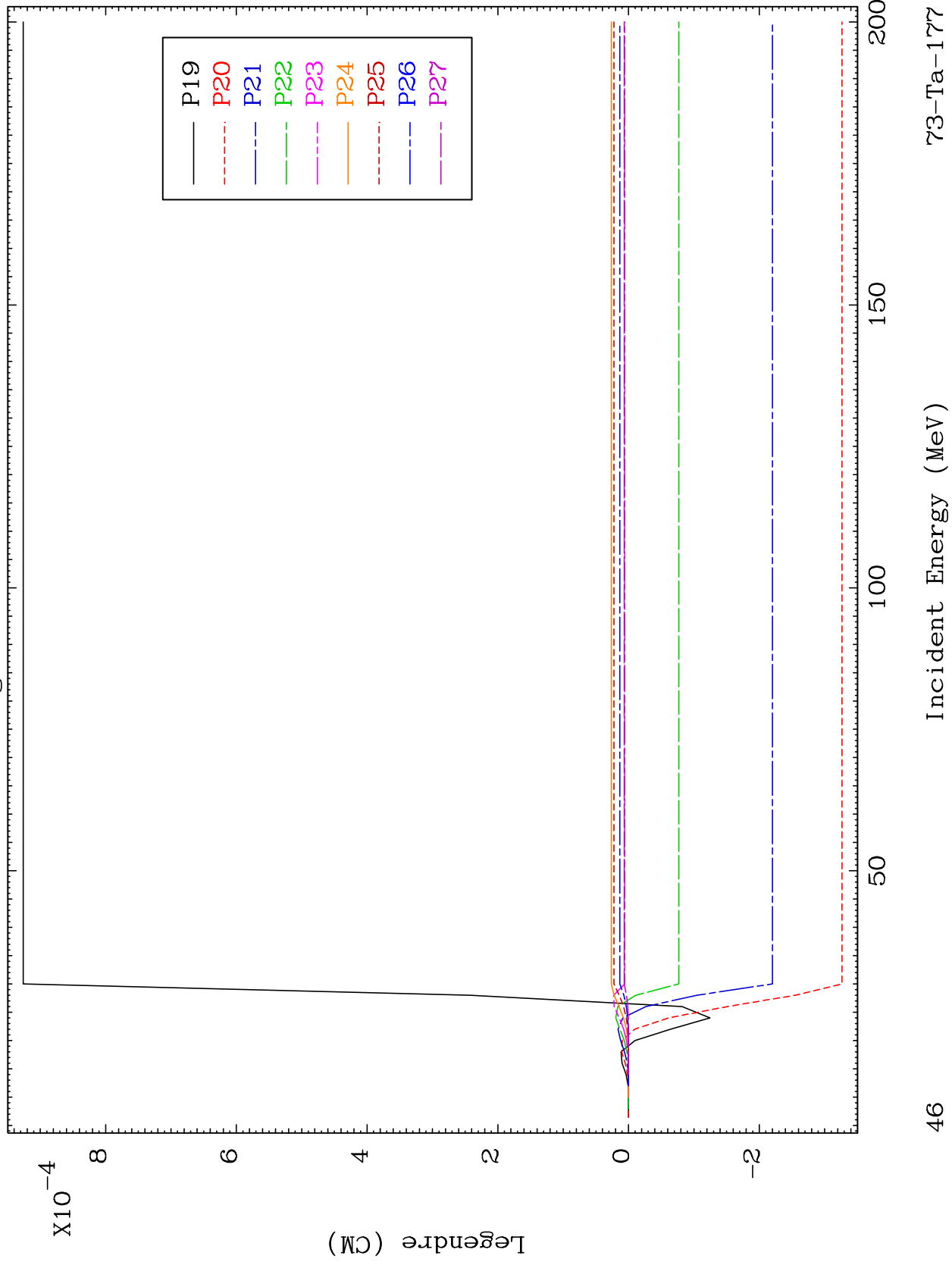
Incident Energy (MeV)

44

MAT 7316

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

73-Ta-177



46

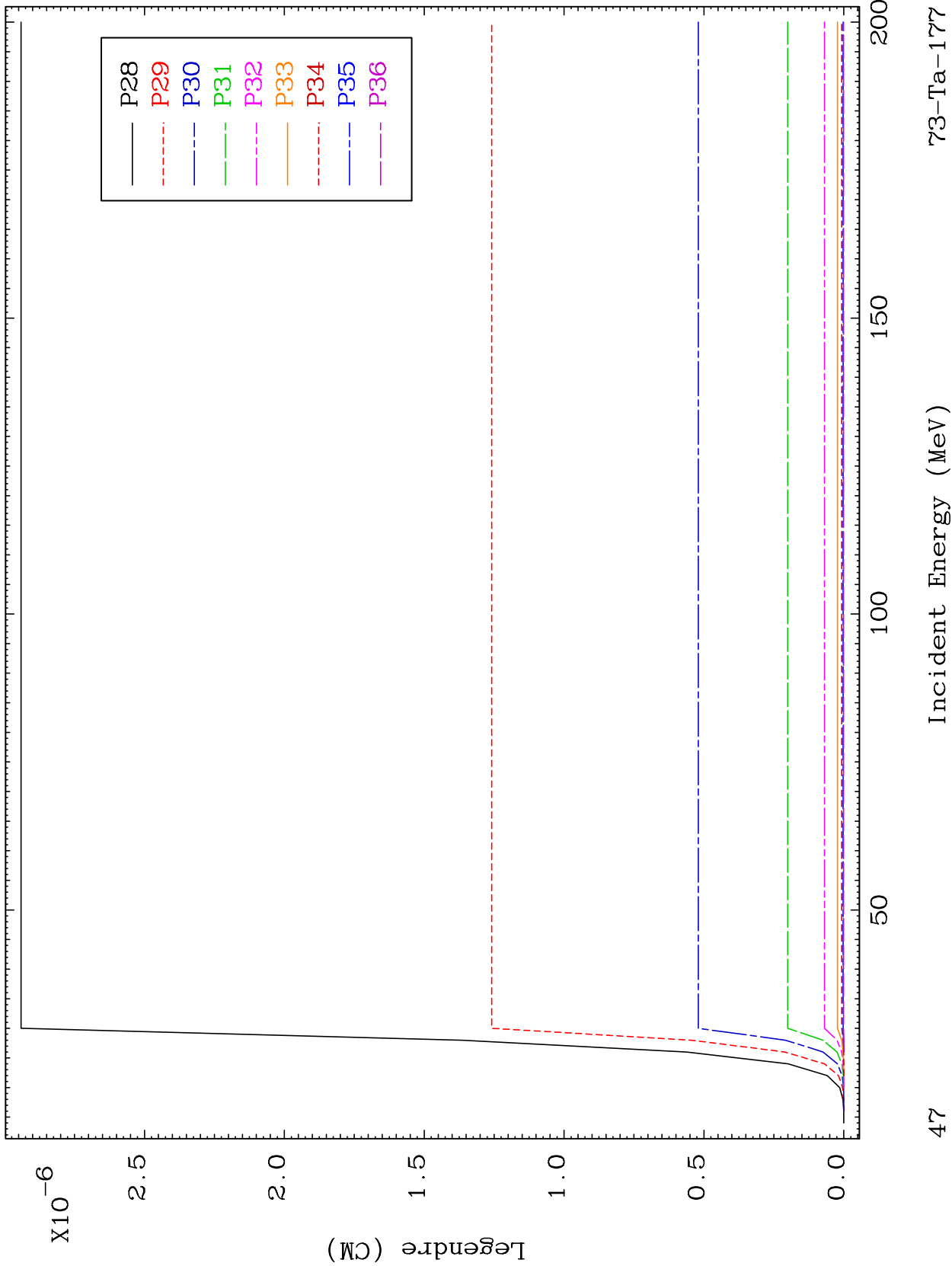
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

73-Ta-177



47

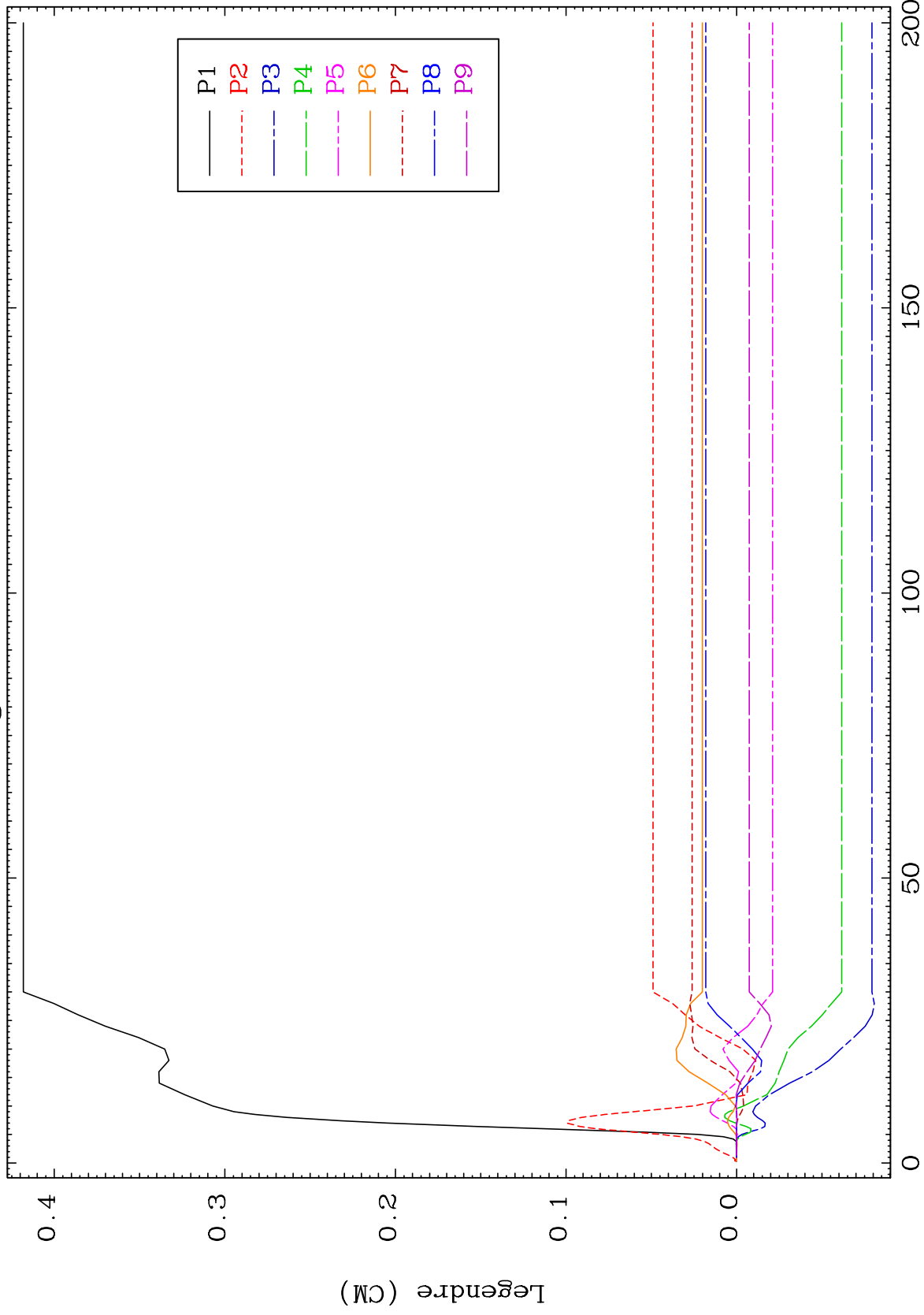
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

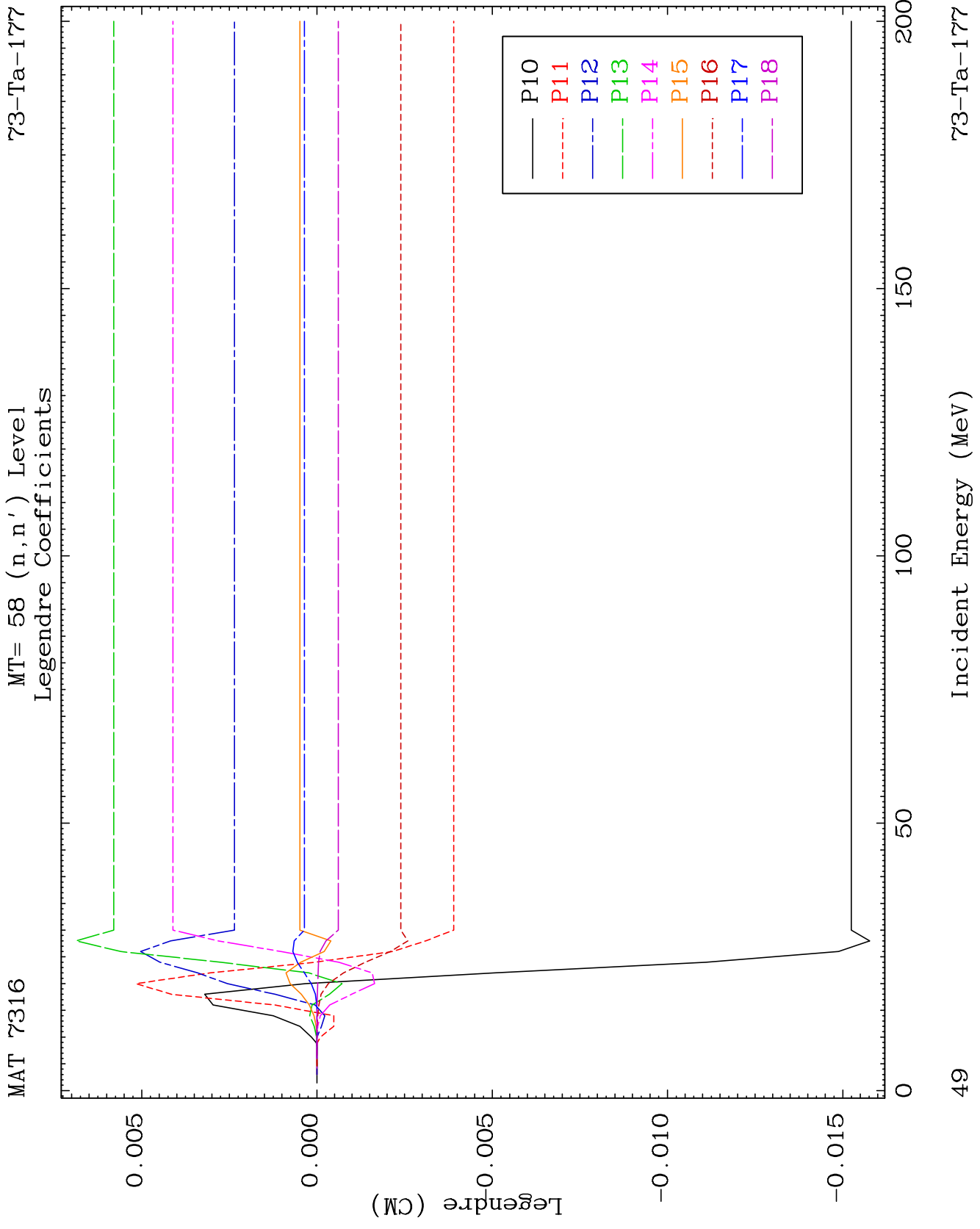
73-Ta-177



48

Incident Energy (MeV)

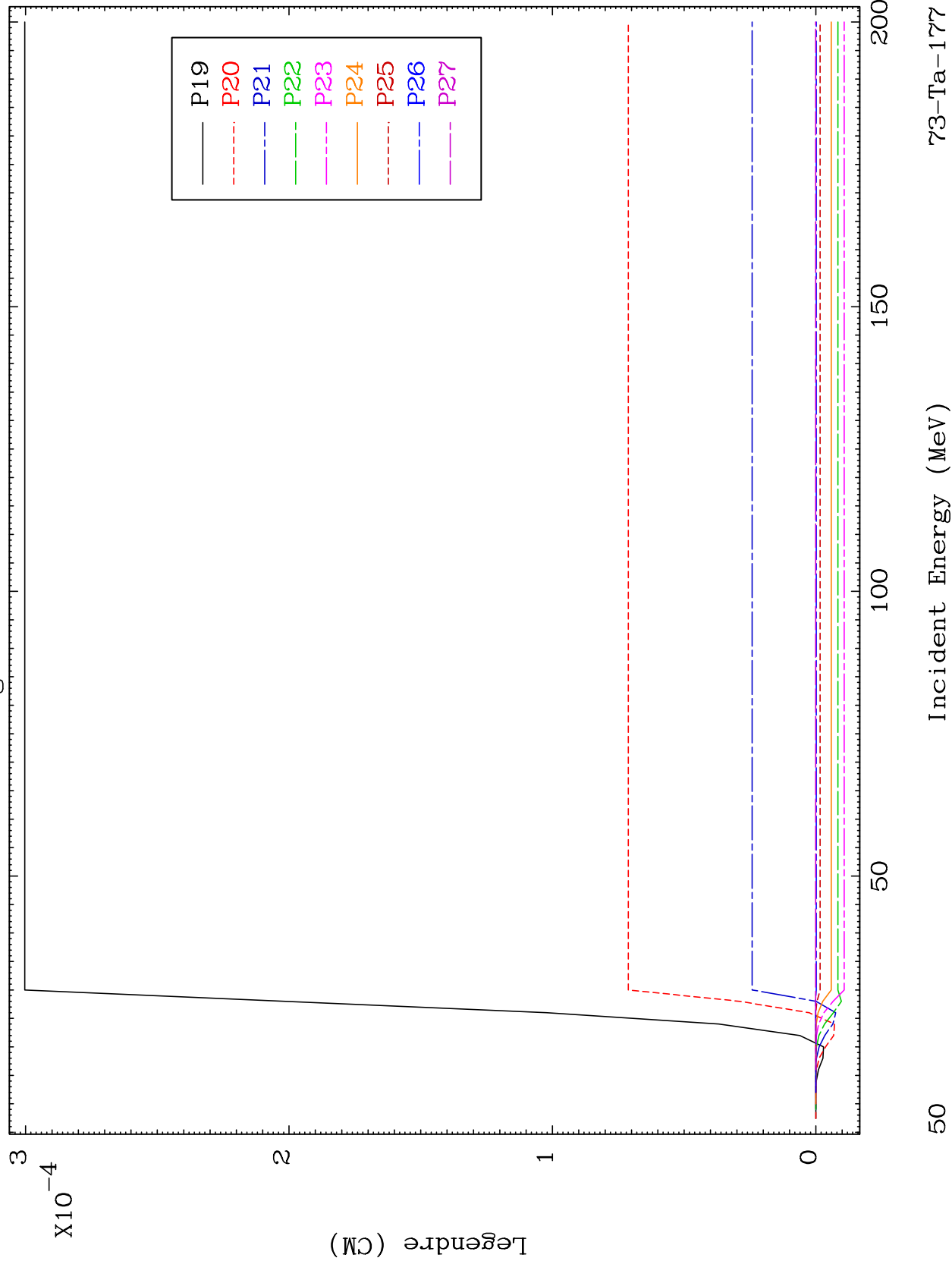
73-Ta-177



MAT 7316

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

73-Ta-177



73-Ta-177

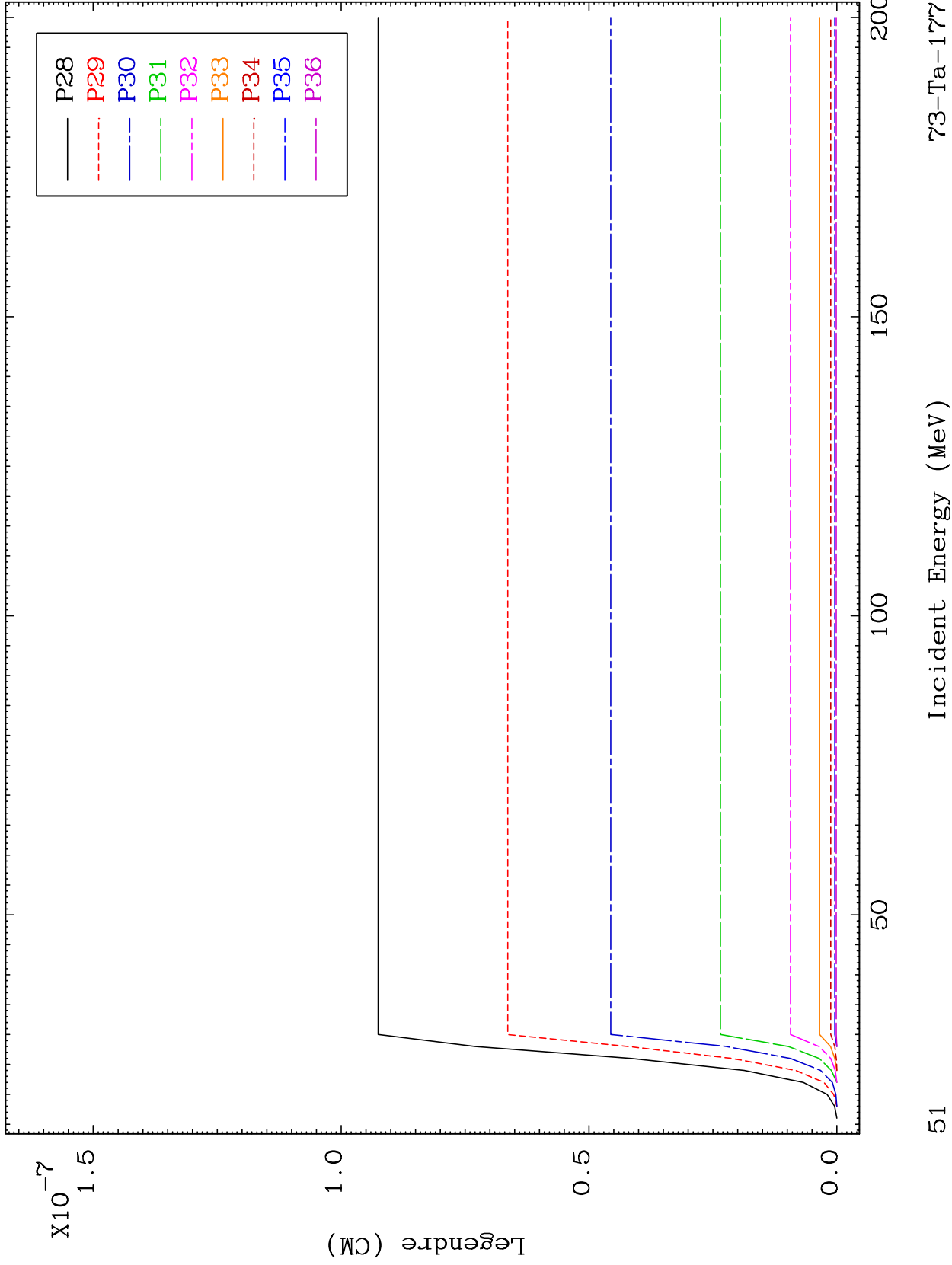
Incident Energy (MeV)

50

MAT 7316

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

73-Ta-177



51

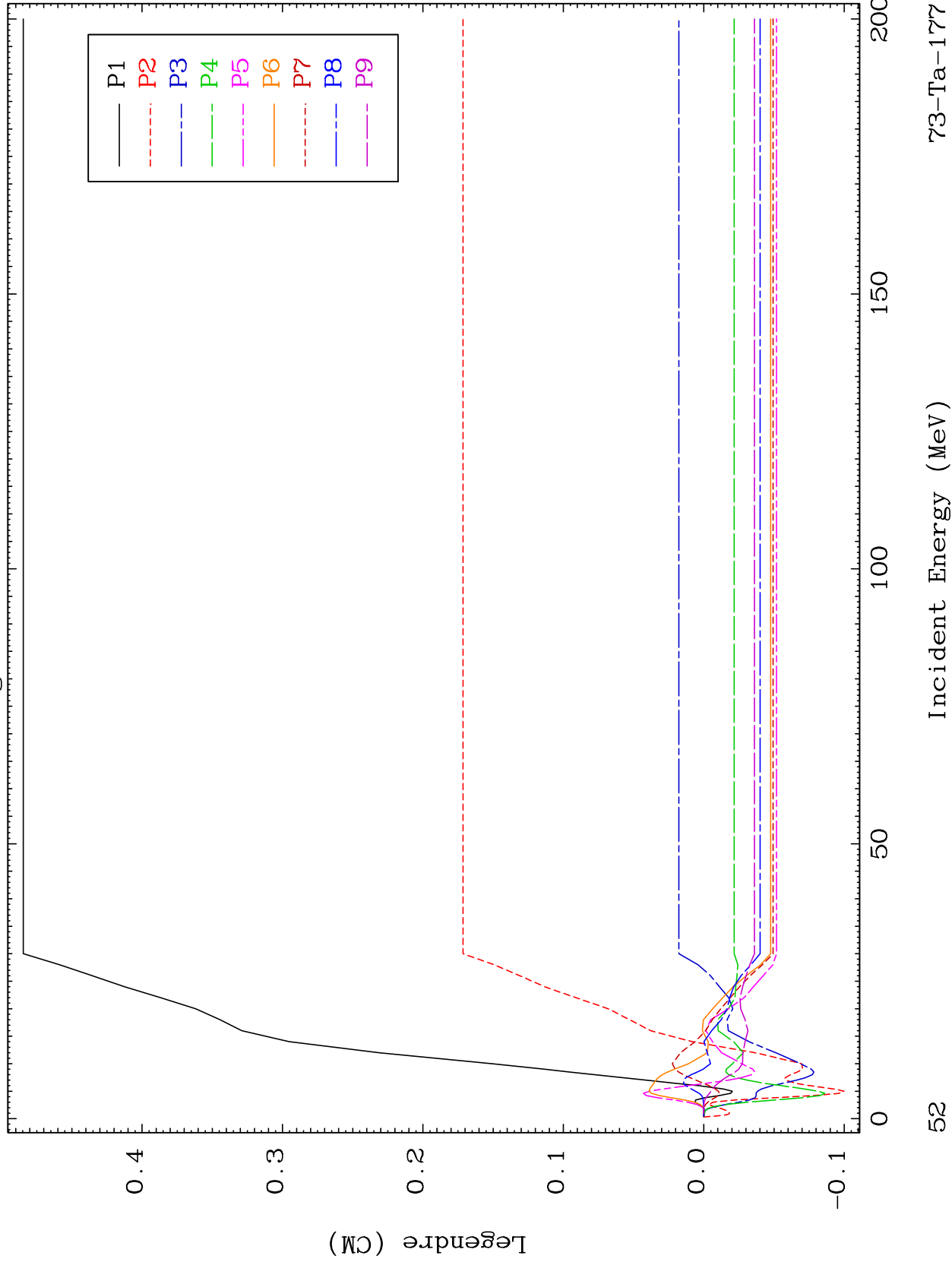
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

⁷³Ta-177



52

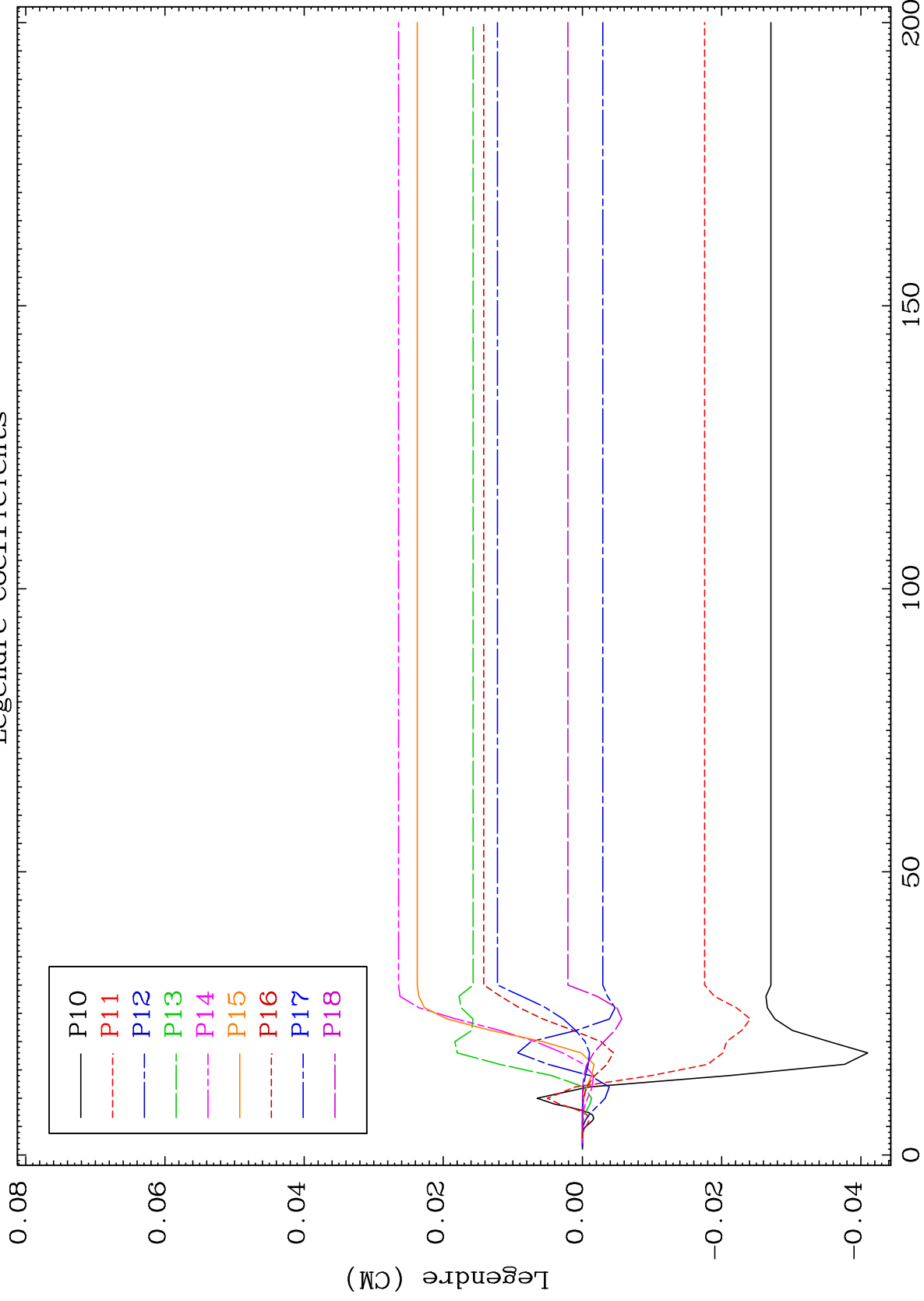
Incident Energy (MeV)

⁷³Ta-177

MAT 7316

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

73-Ta-177



53

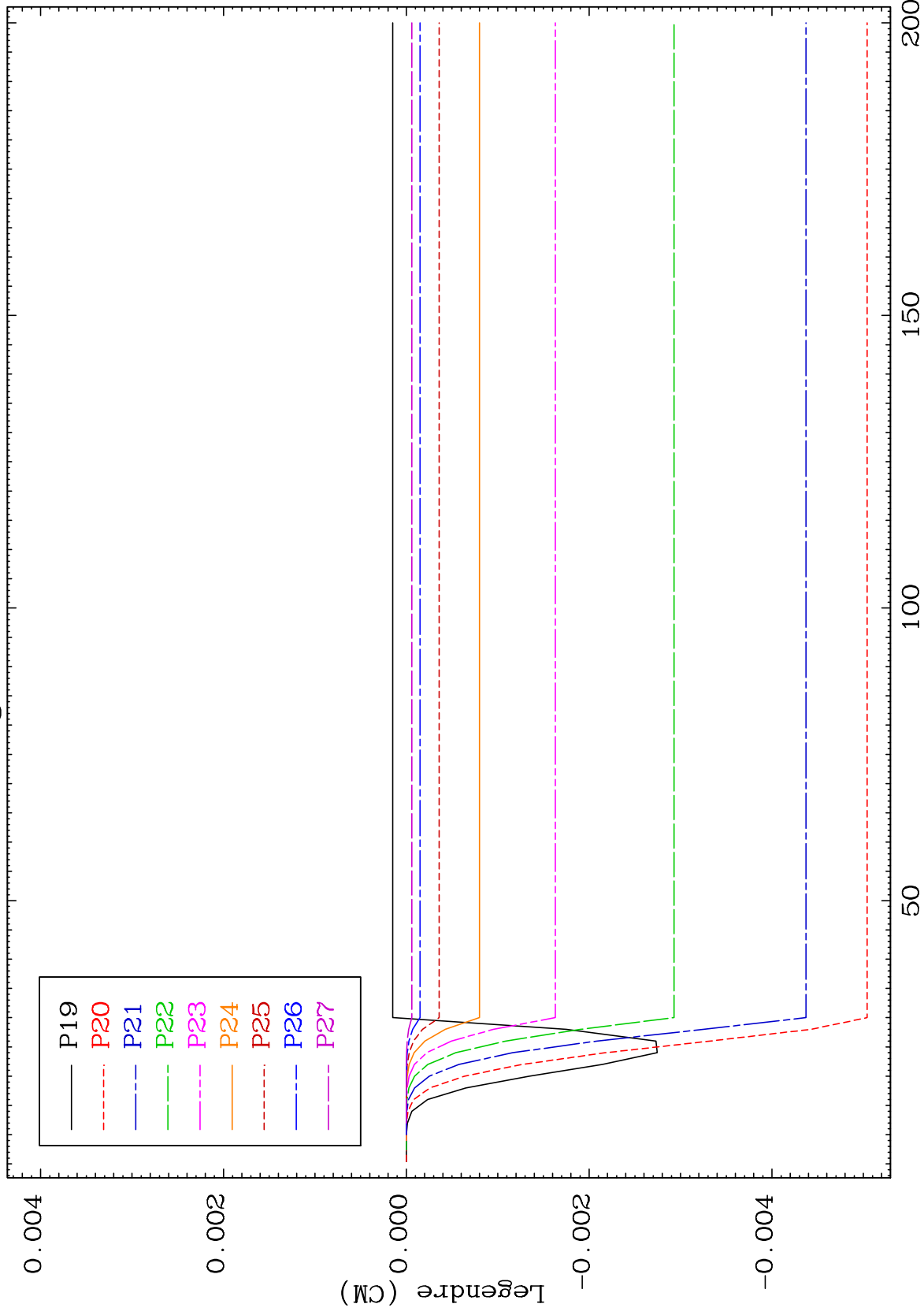
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

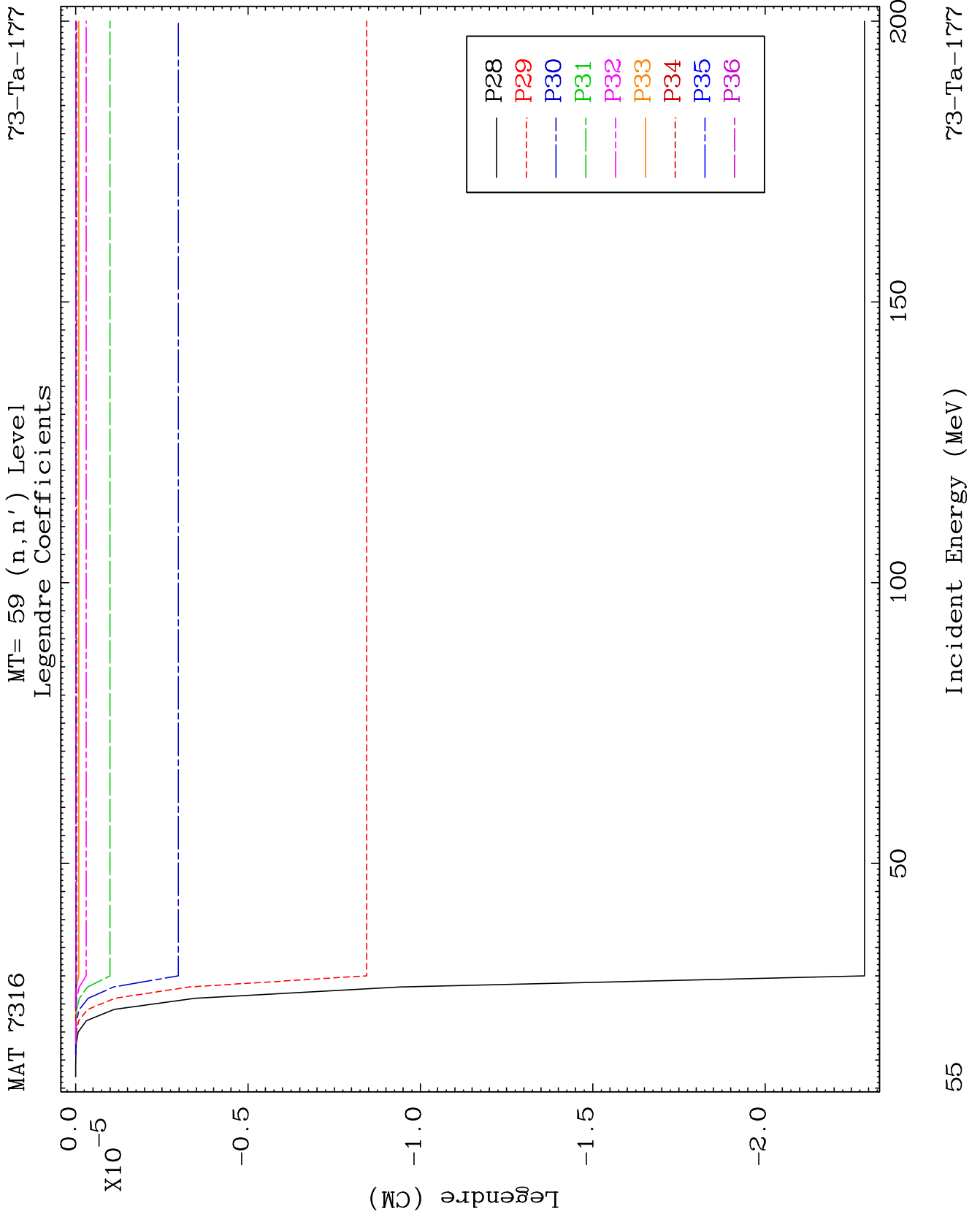
73-Ta-177



54

Incident Energy (MeV)

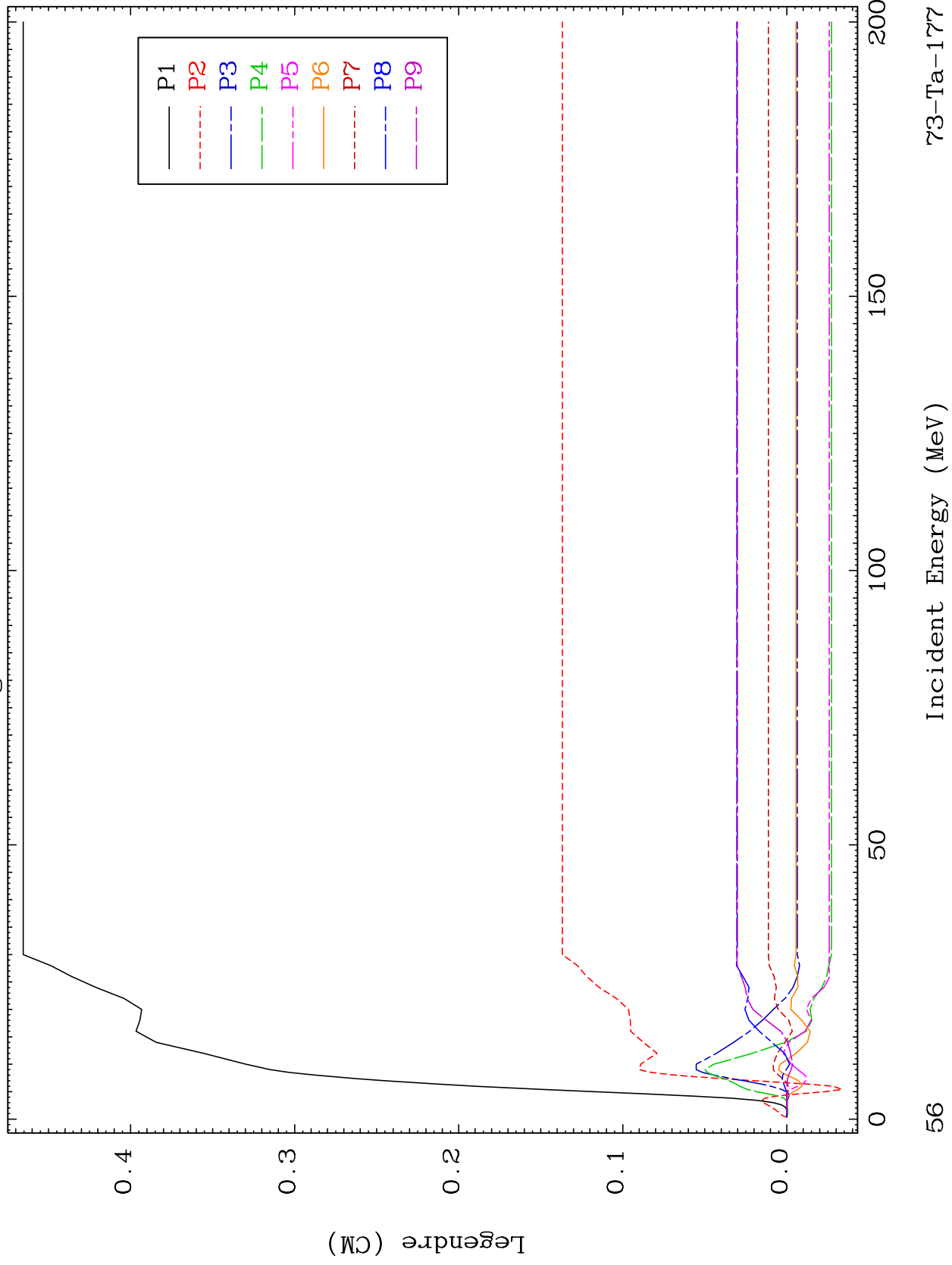
73-Ta-177



MAT 7316

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

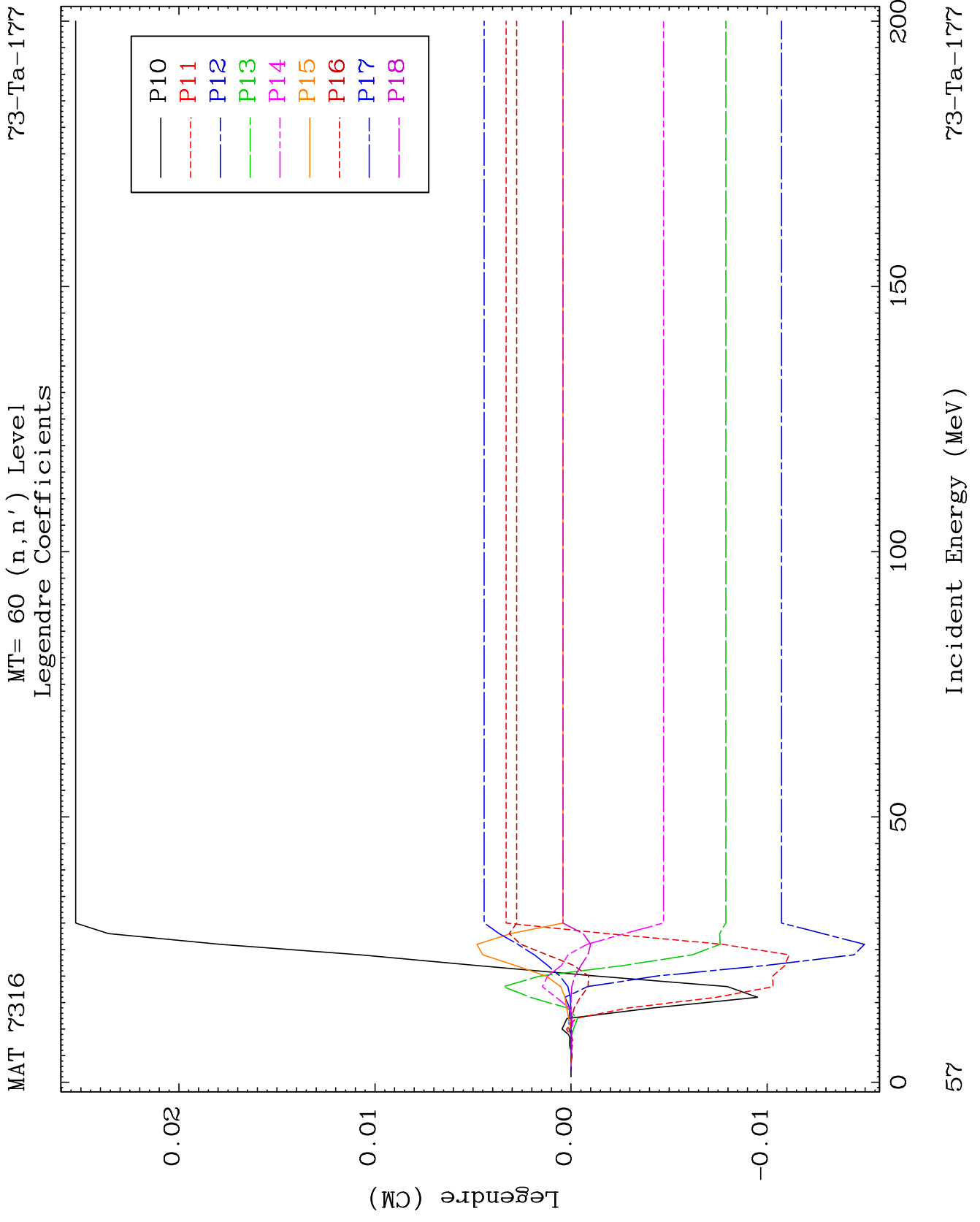
73-Ta-177



73-Ta-177

Incident Energy (MeV)

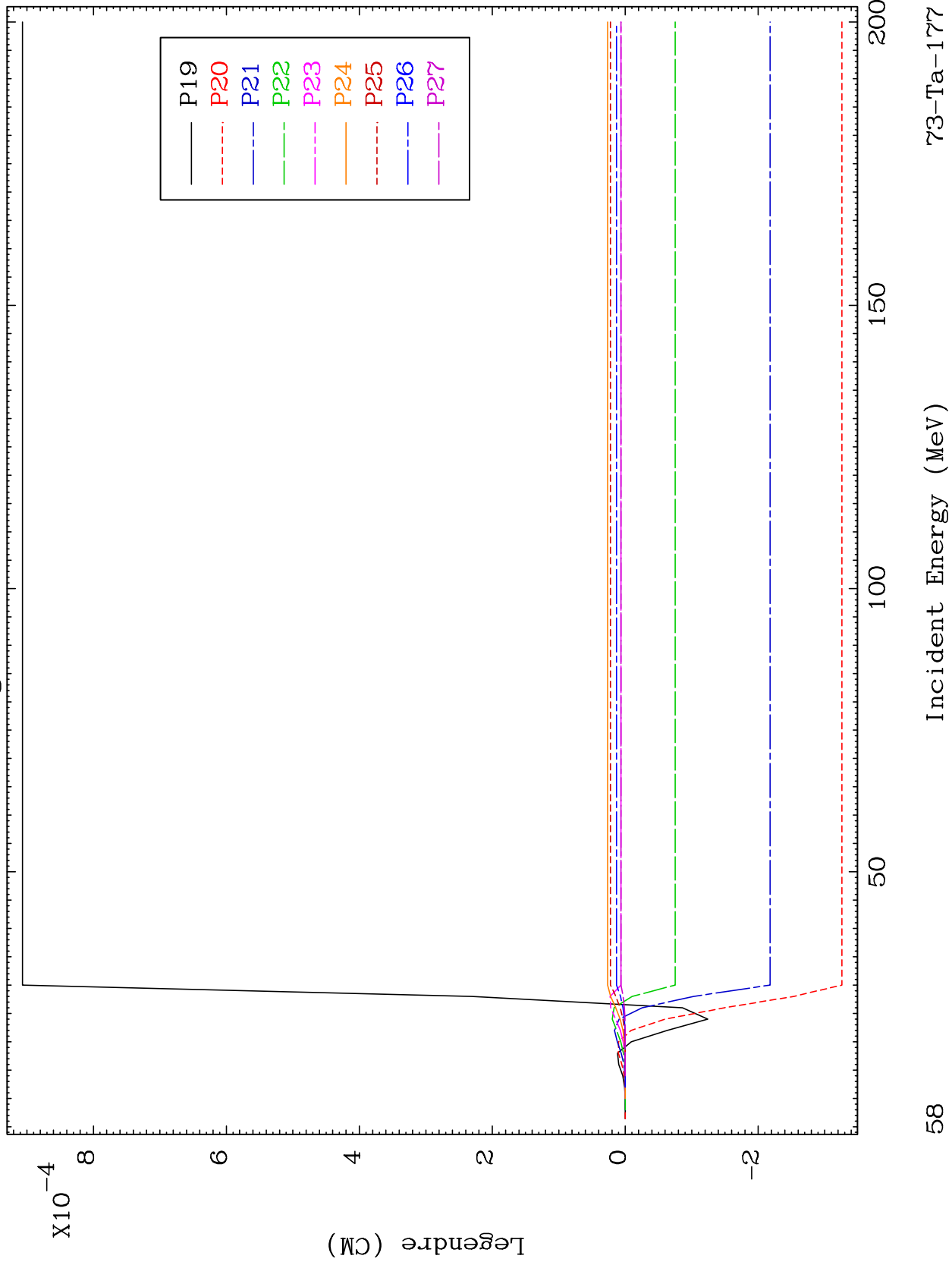
56

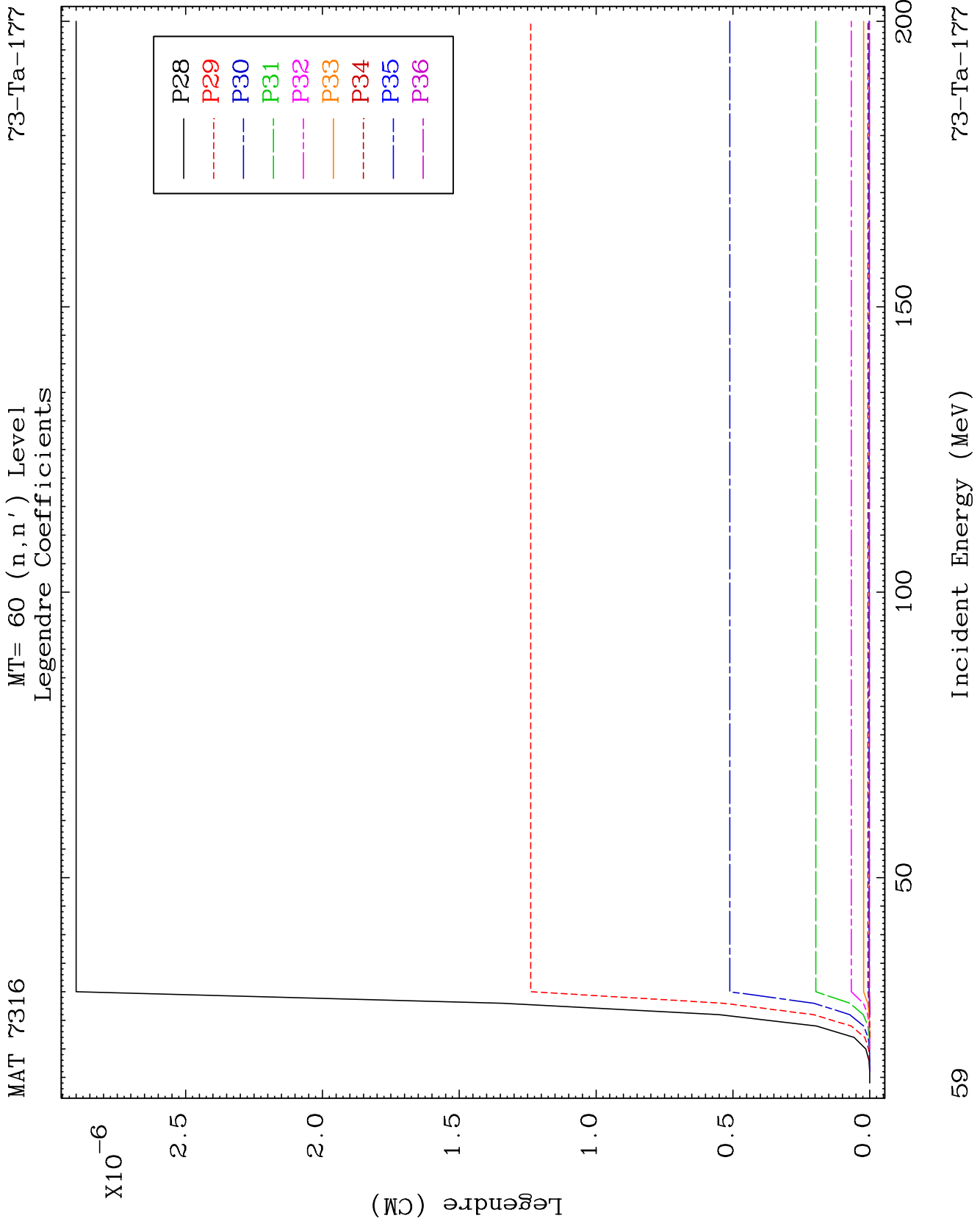


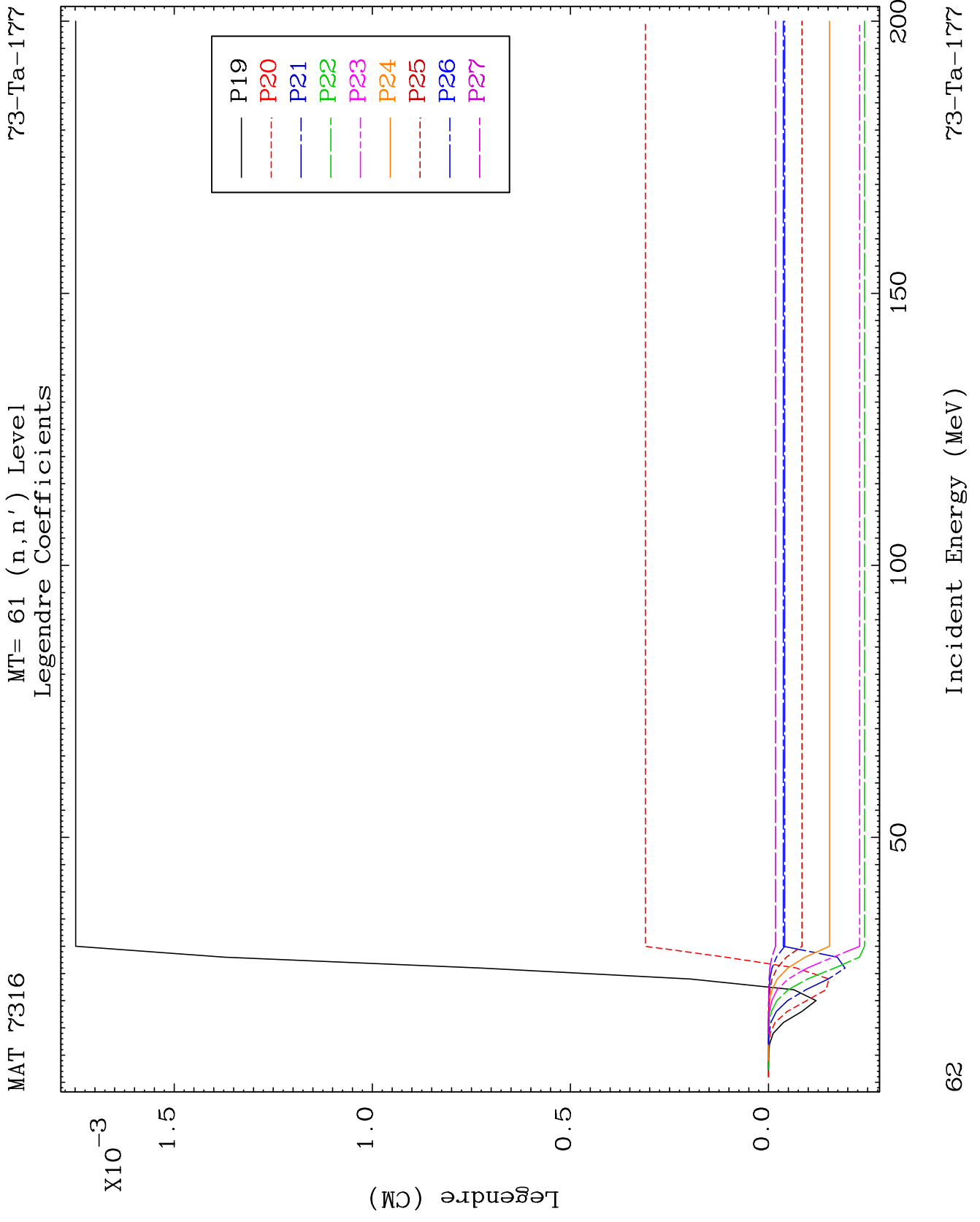
MAT 7316

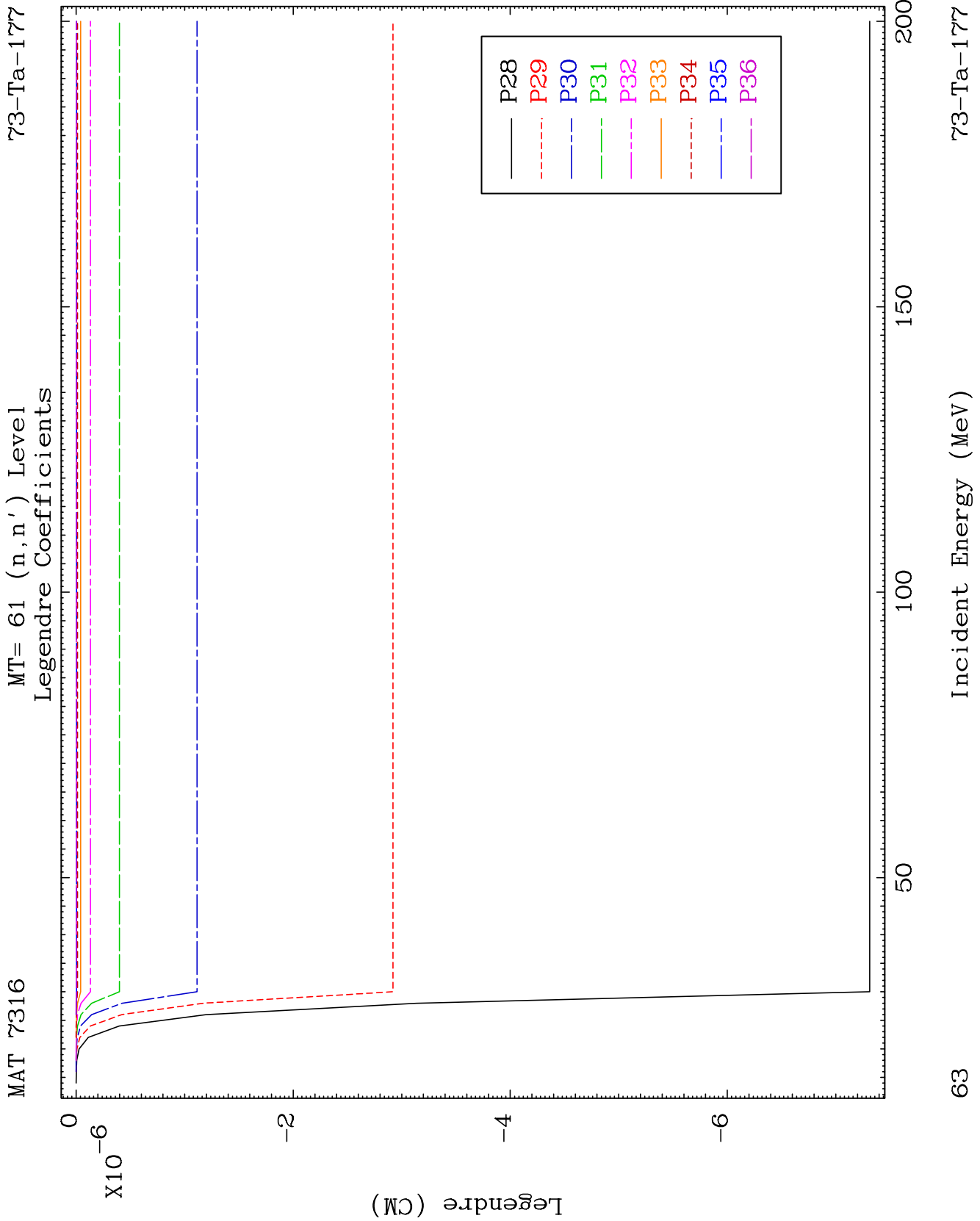
MT= 60 (n,n') Level
Legendre Coefficients

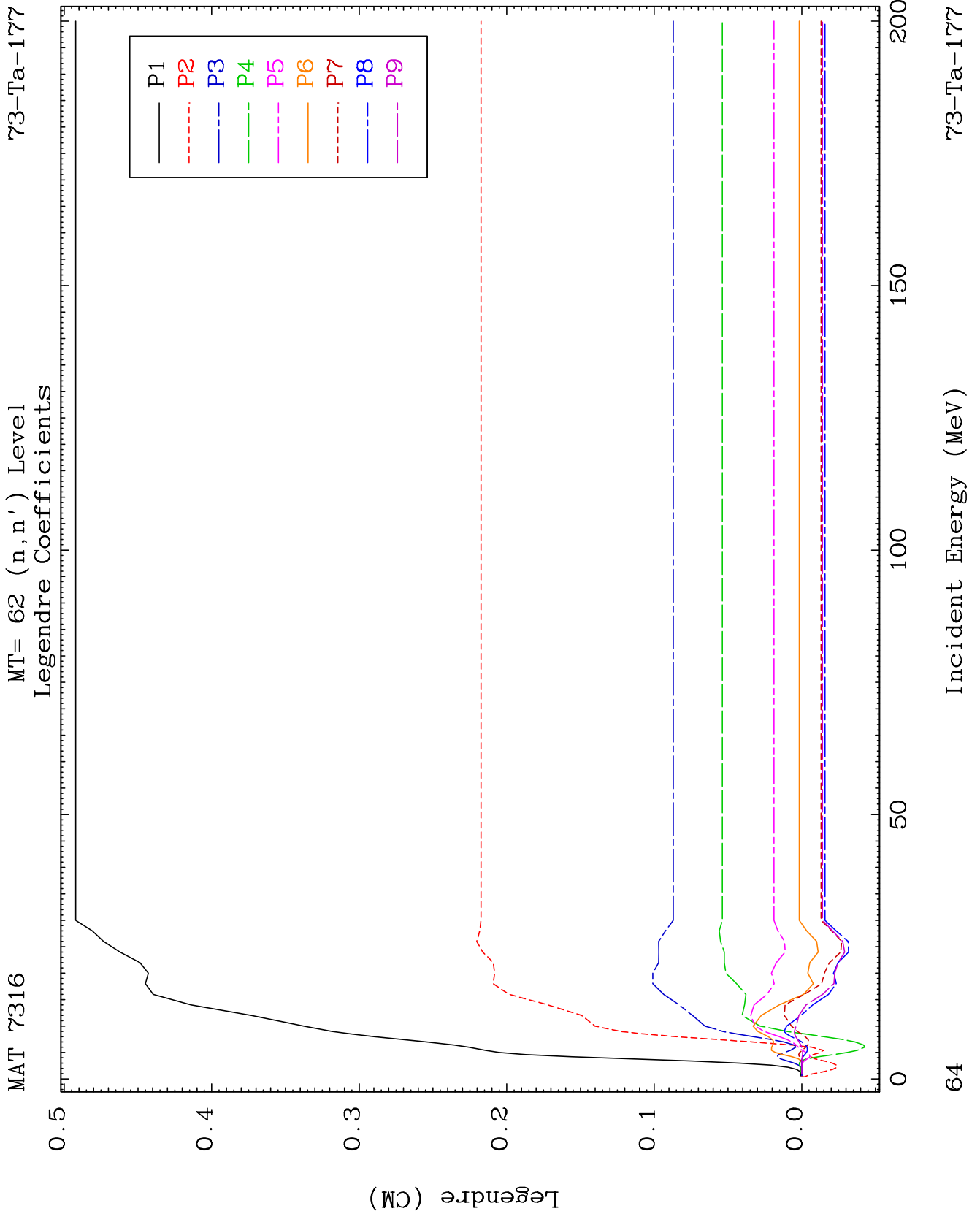
73-Ta-177







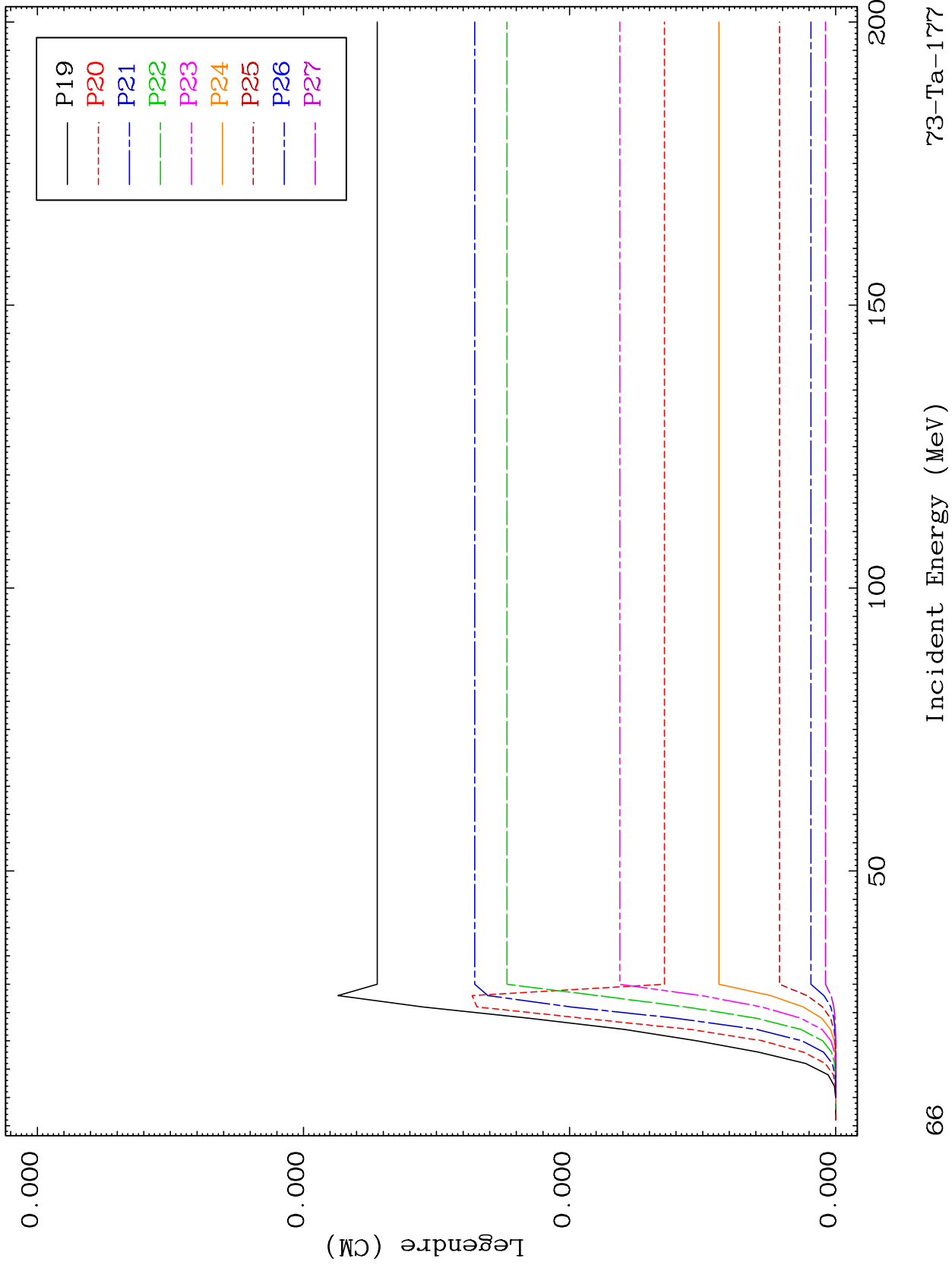




MAT 7316

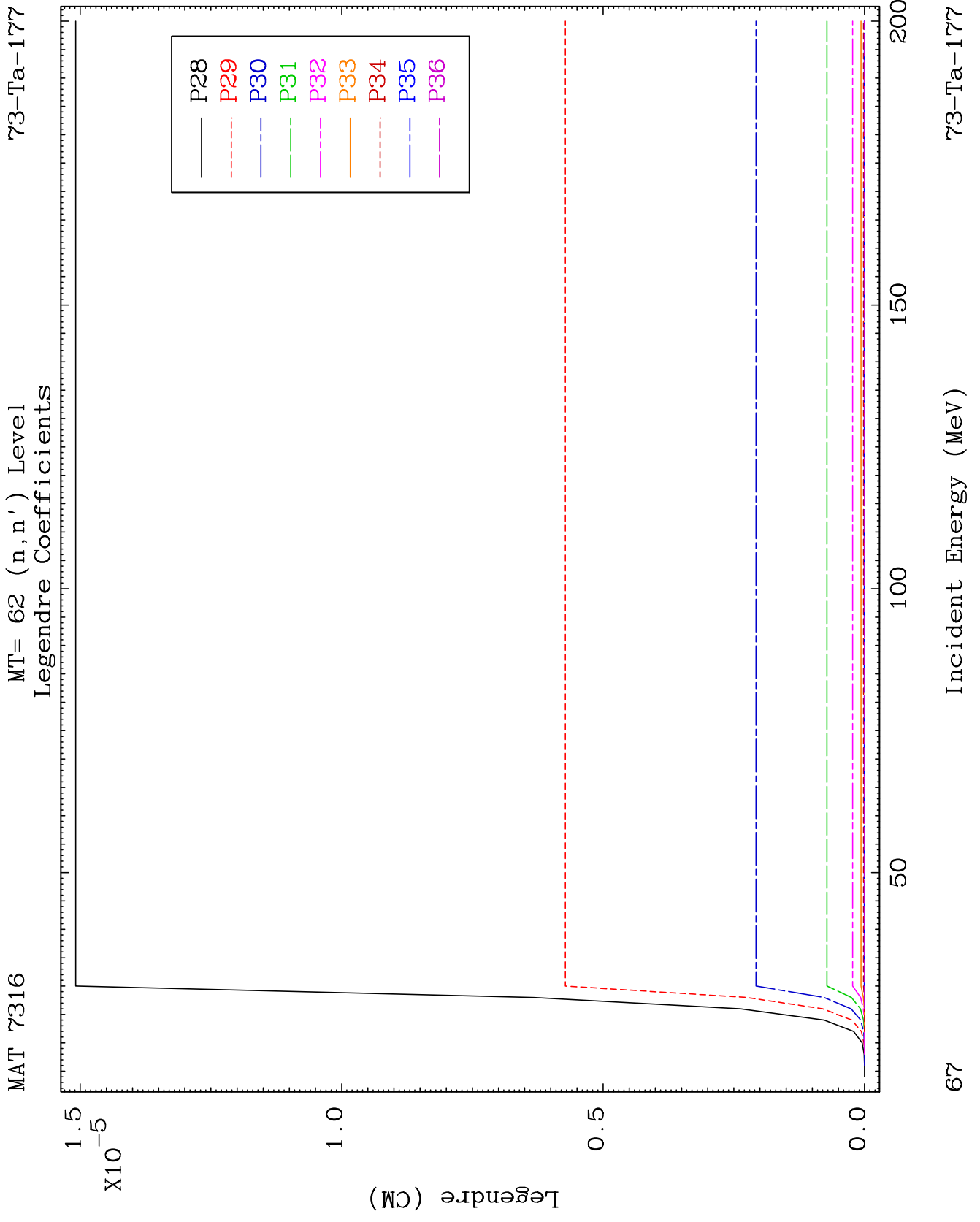
MT= 62 (n,n') Level
Legendre Coefficients

73-Ta-177



66

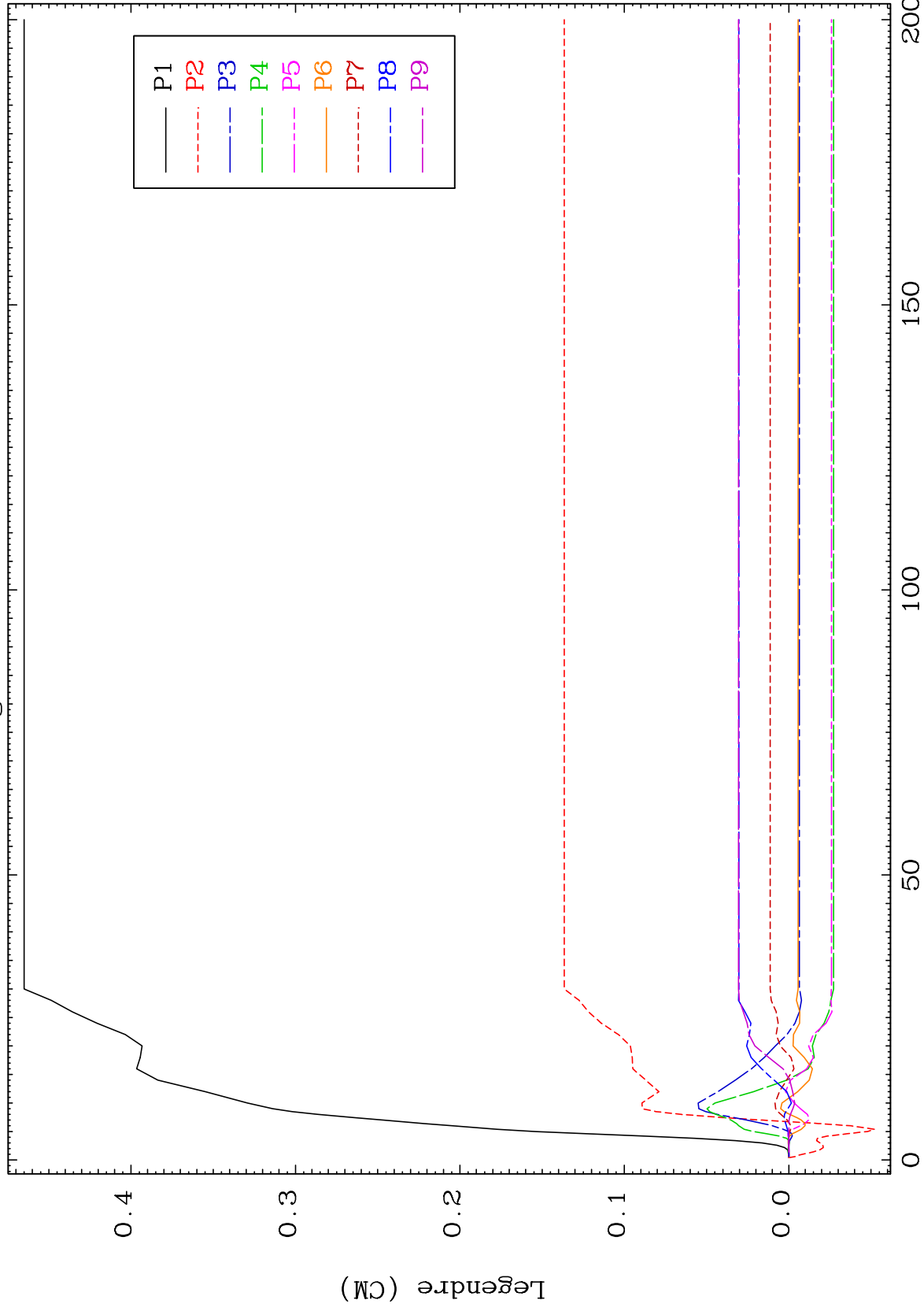
73-Ta-177



MAT 7316

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

73-Ta-177



68

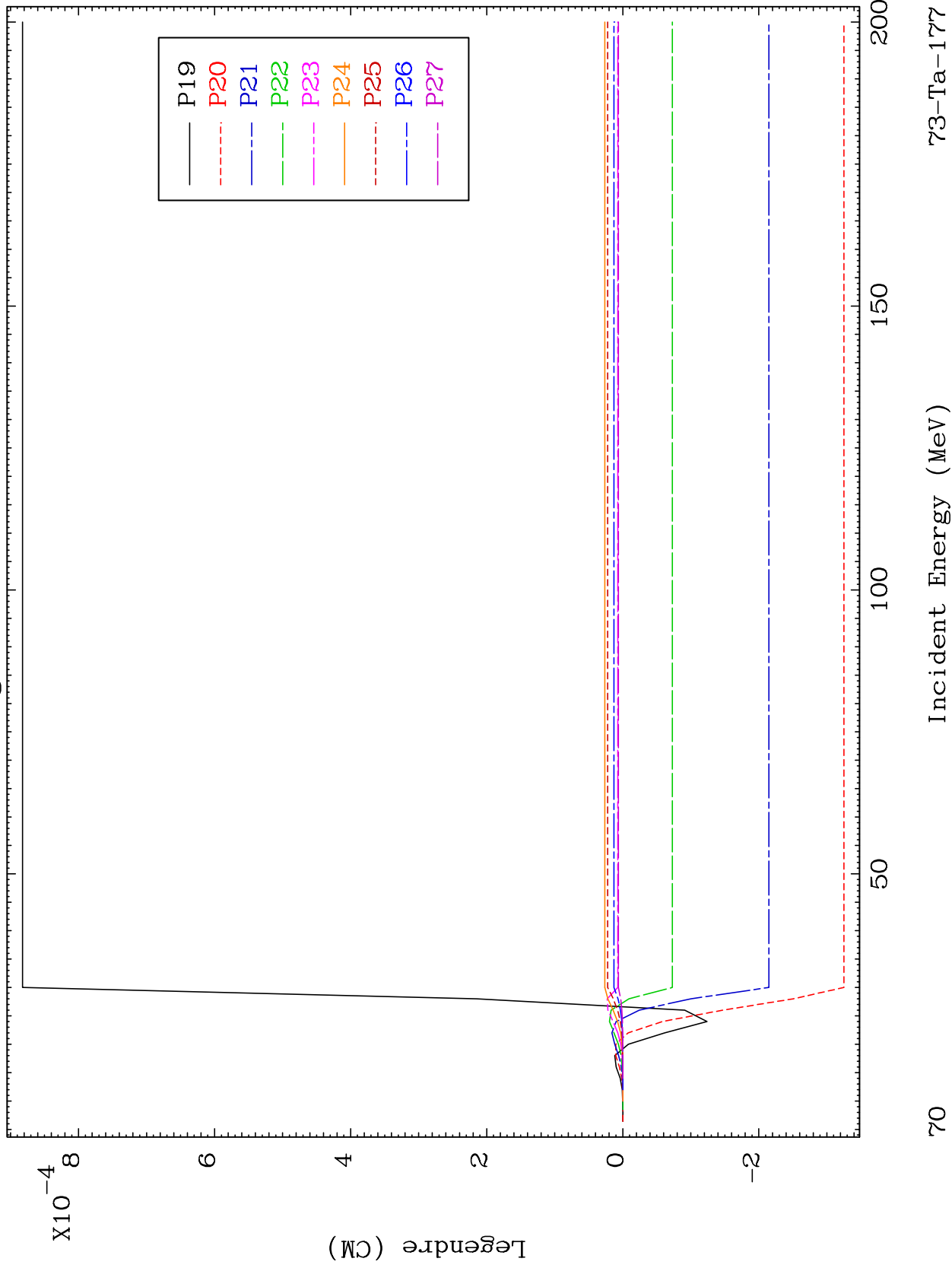
Incident Energy (MeV)

73-Ta-177

MAT 7316

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

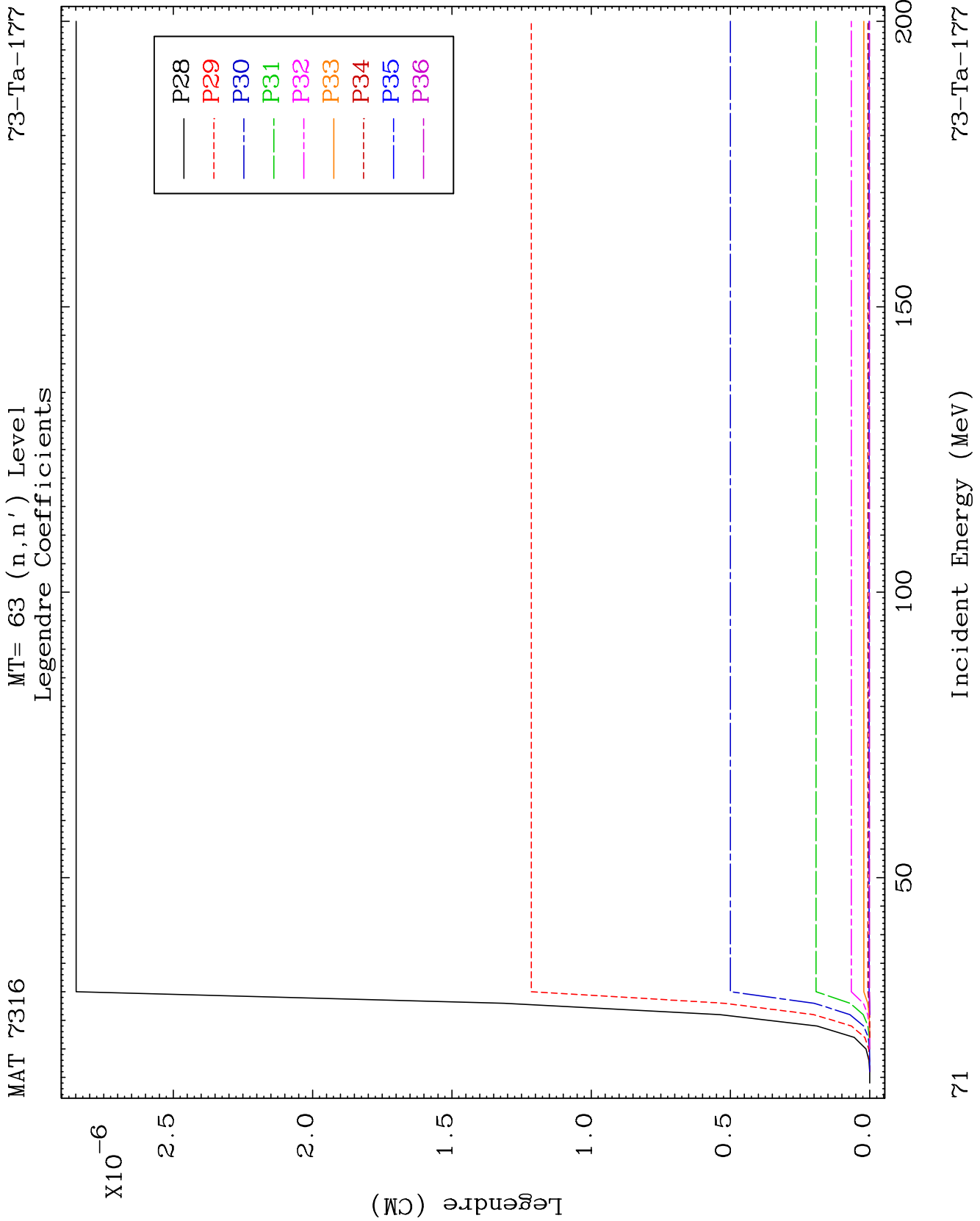
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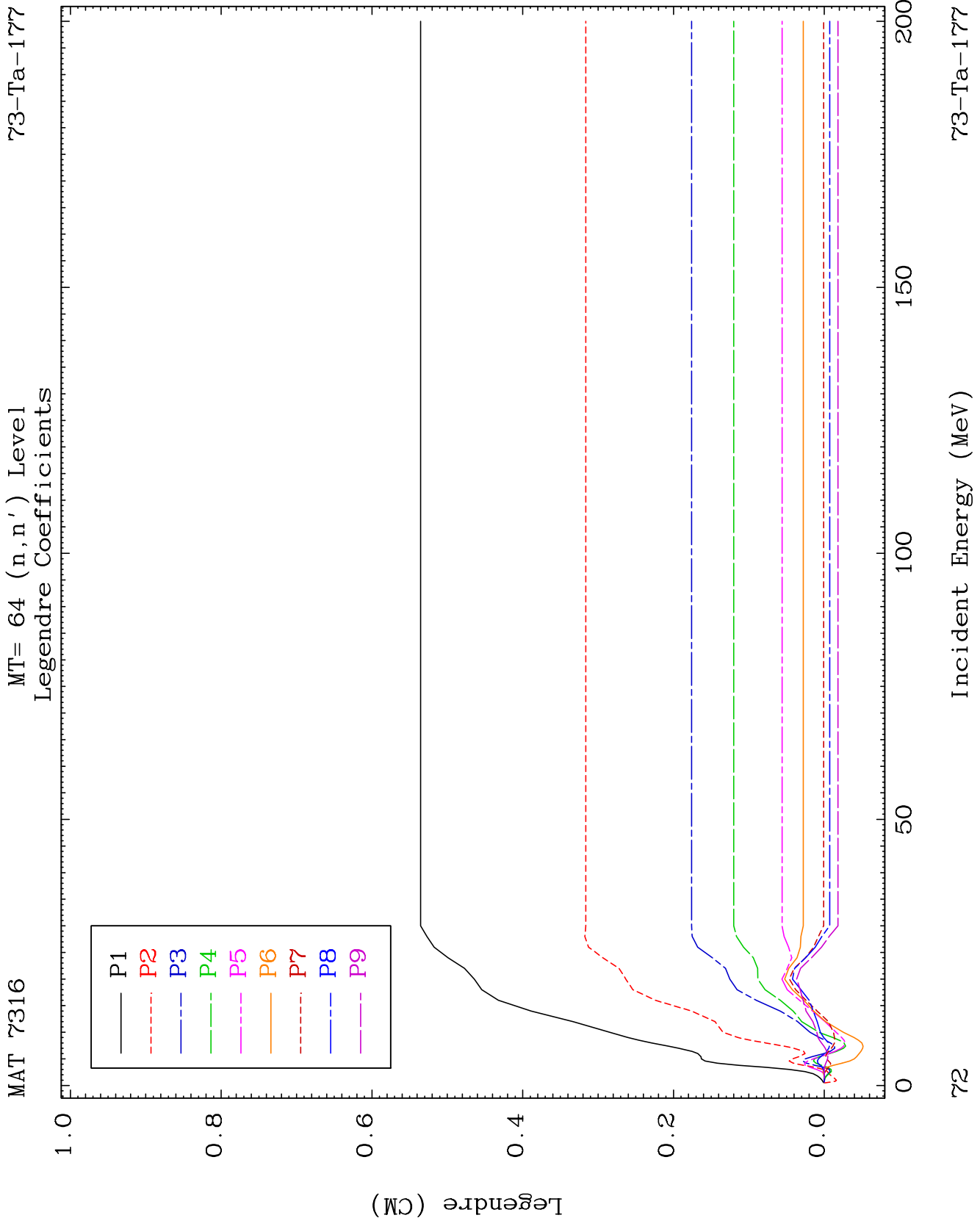


70

Incident Energy (MeV)

73-Ta-177

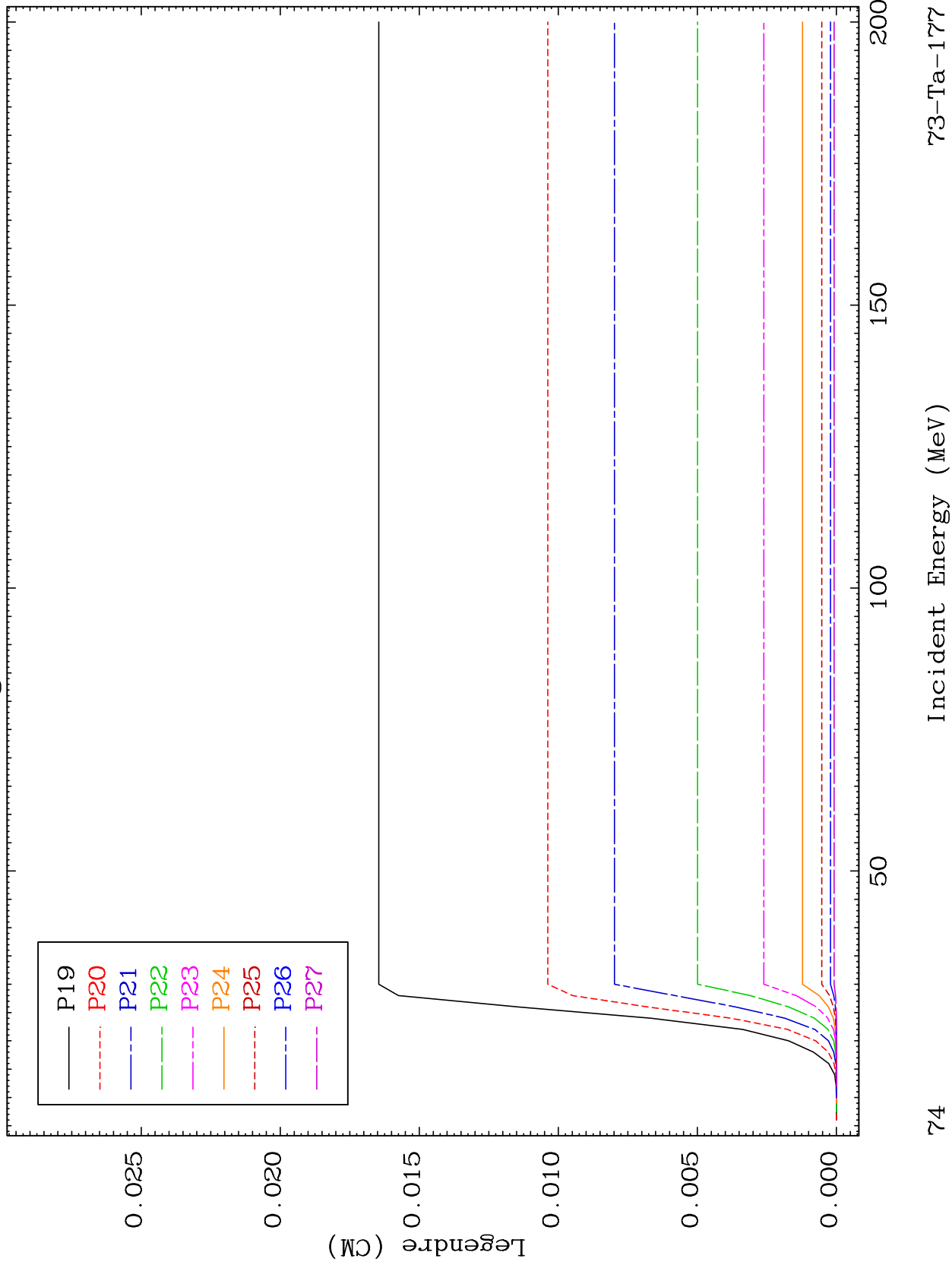




MAT 7316

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

73-Ta-177



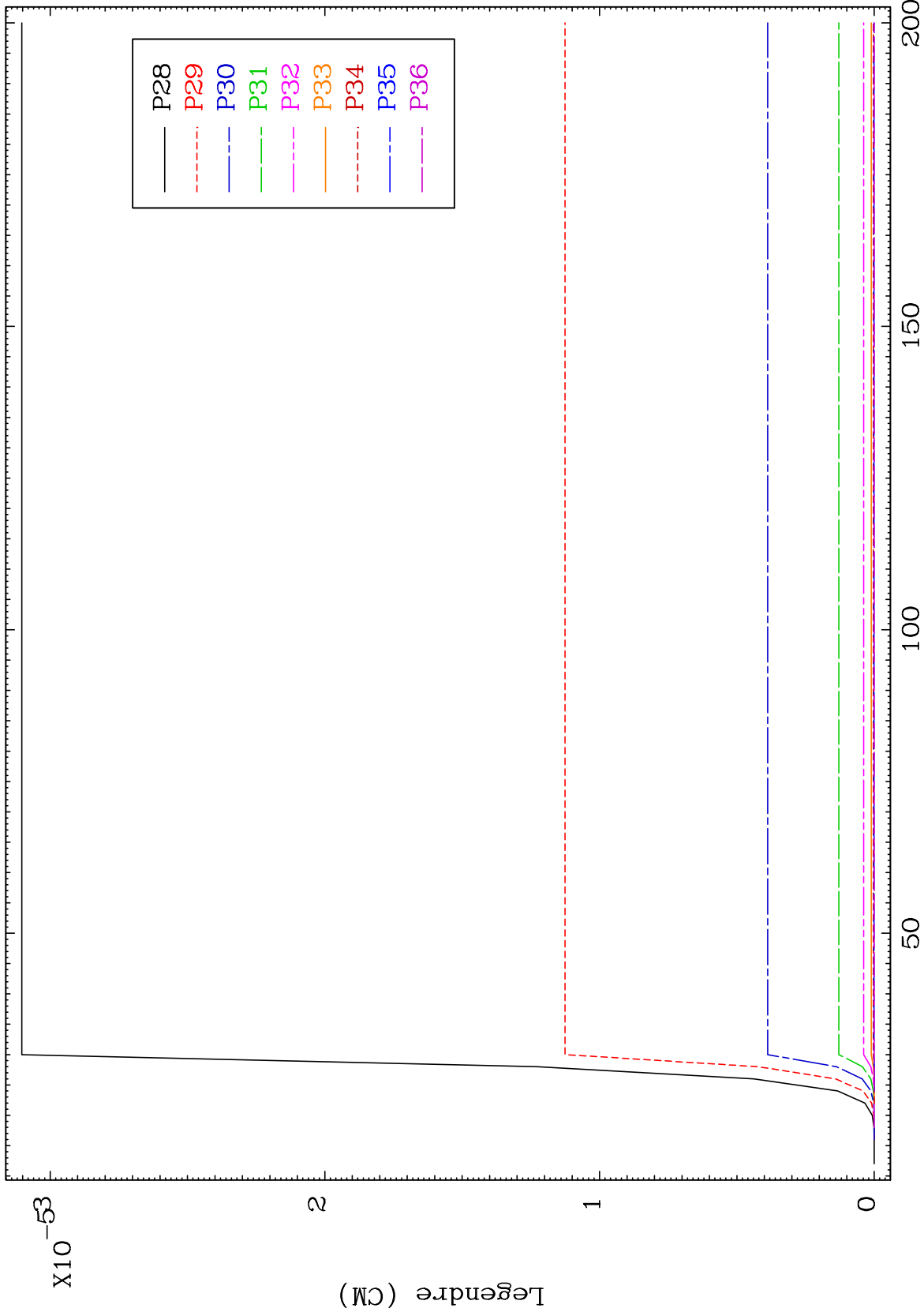
74

73-Ta-177

MAT 7316

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

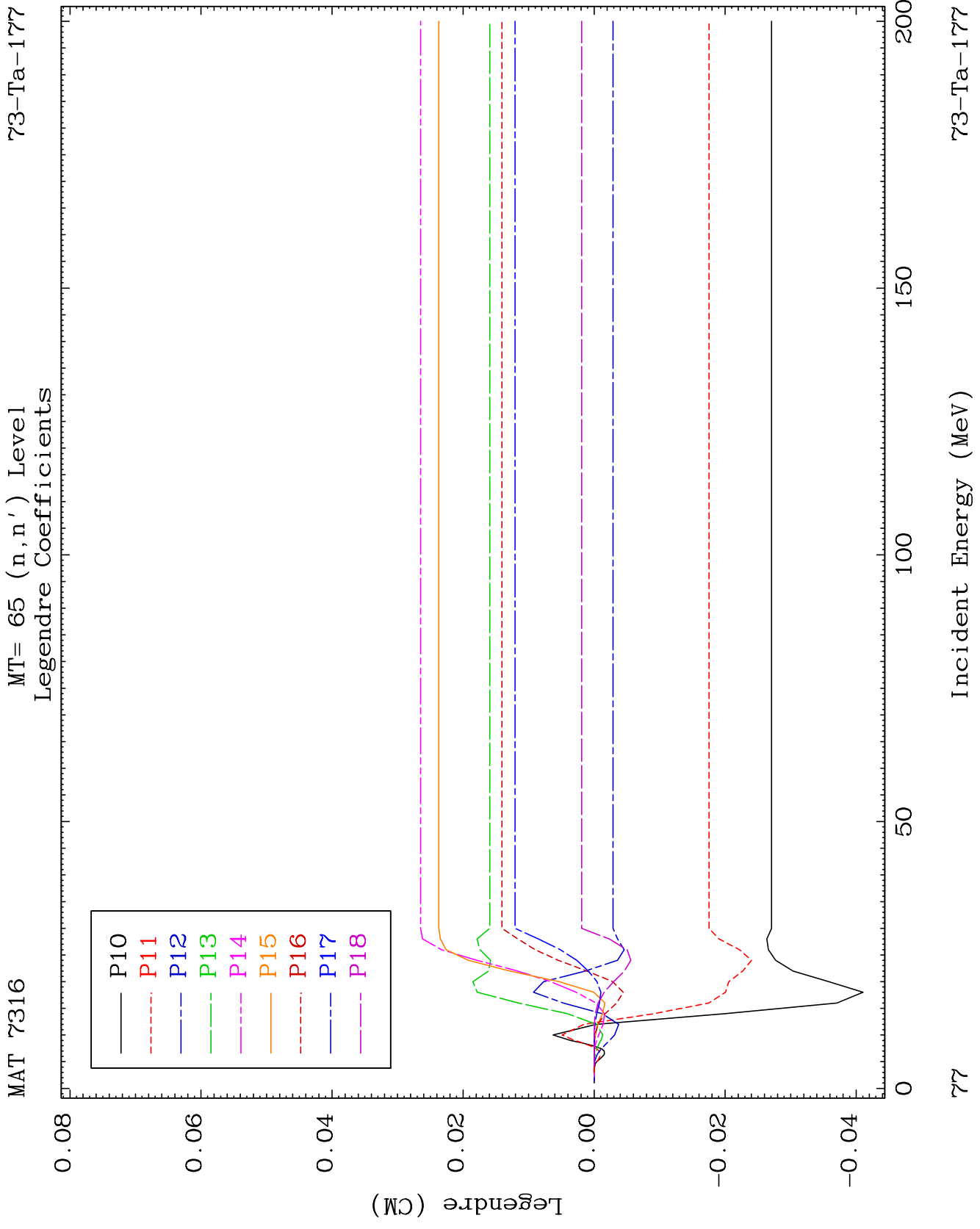
73-Ta-177

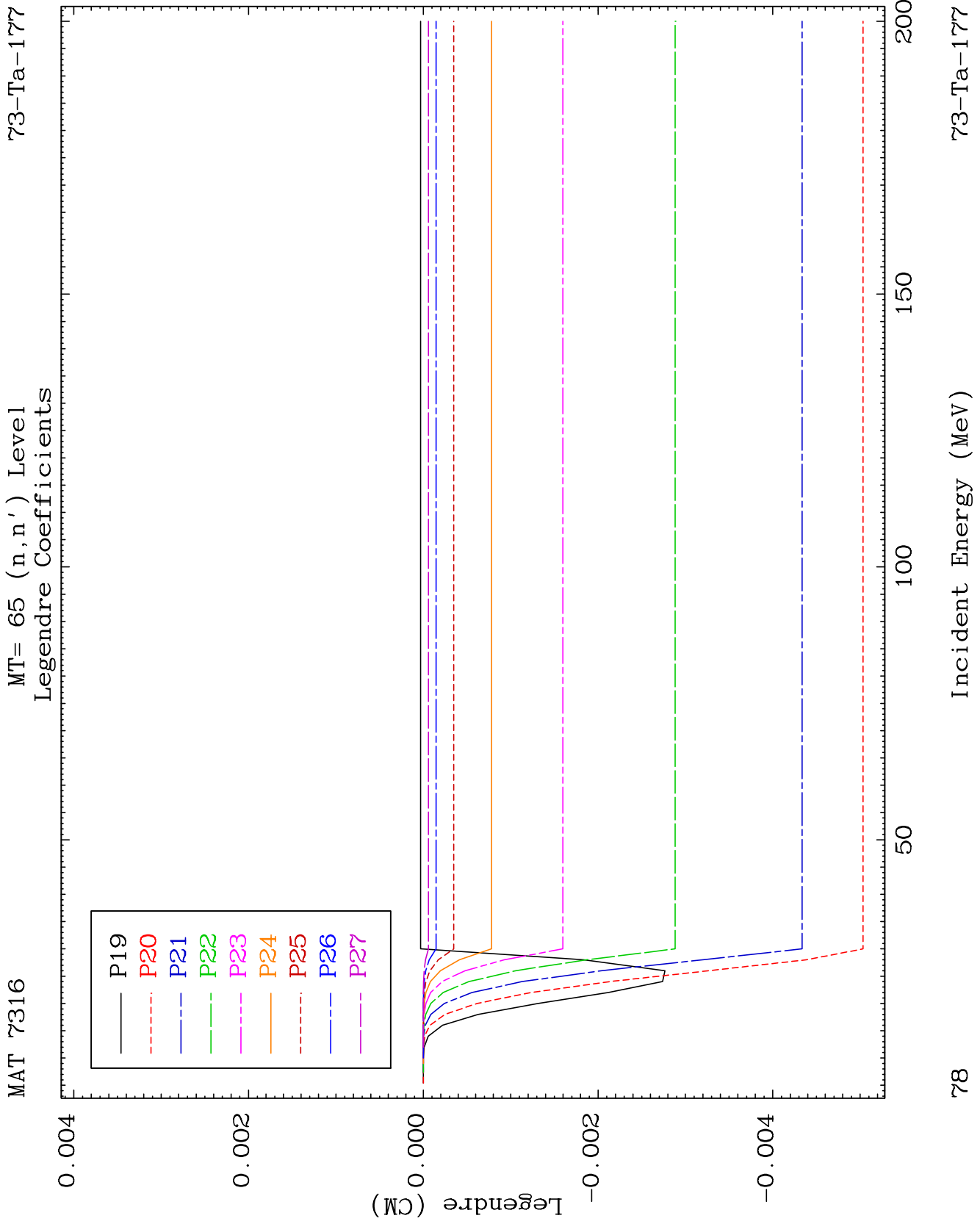


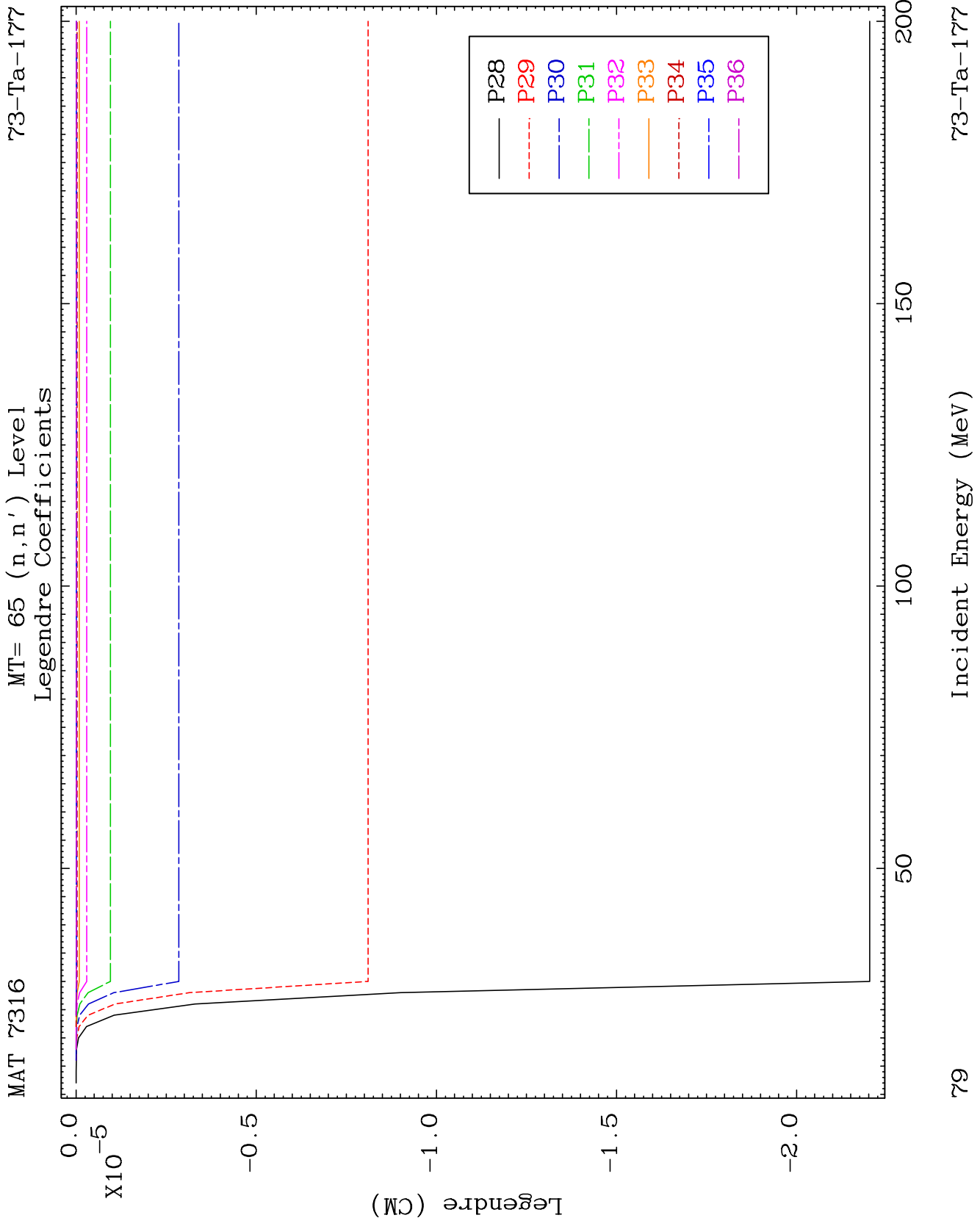
75

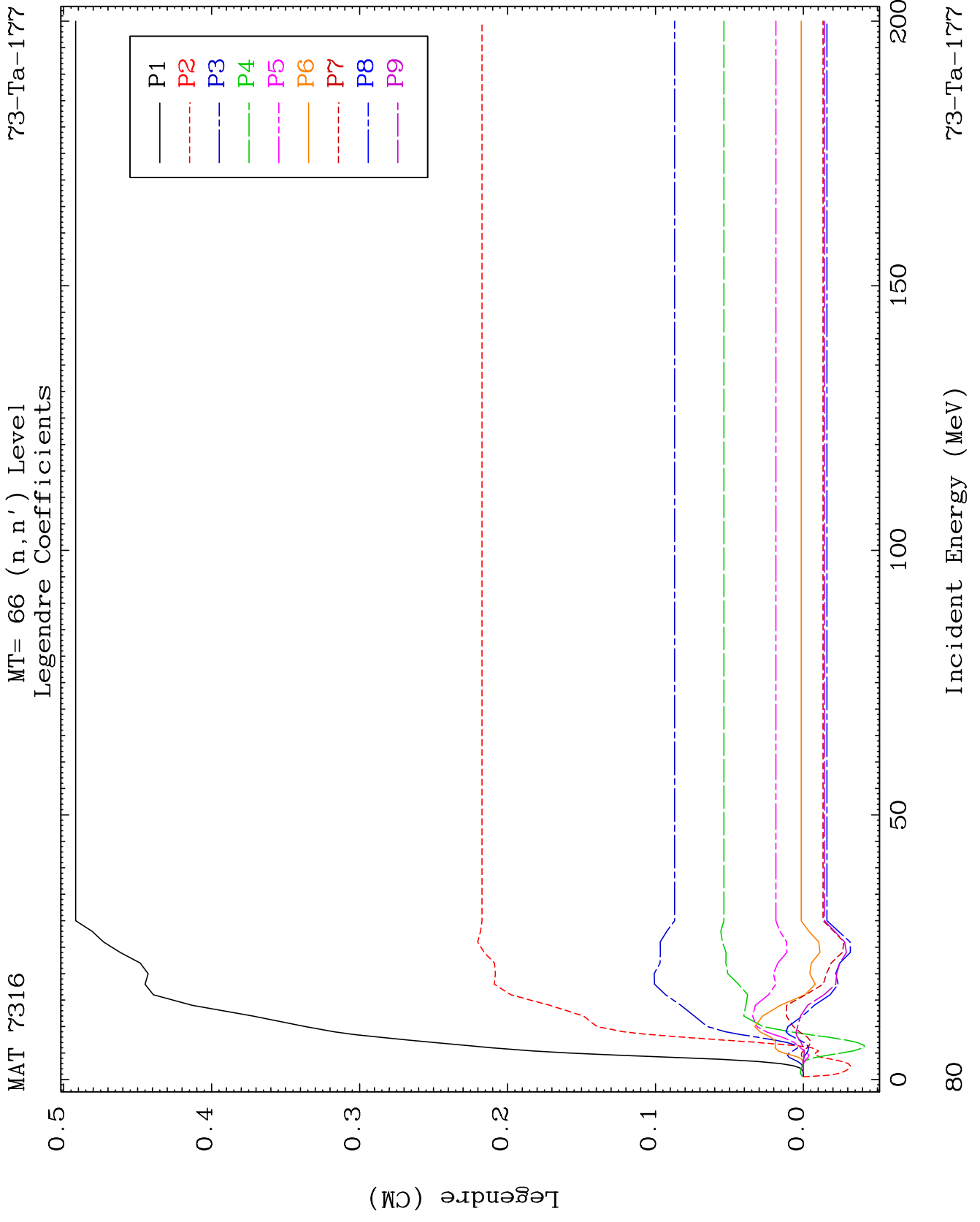
Incident Energy (MeV)

73-Ta-177





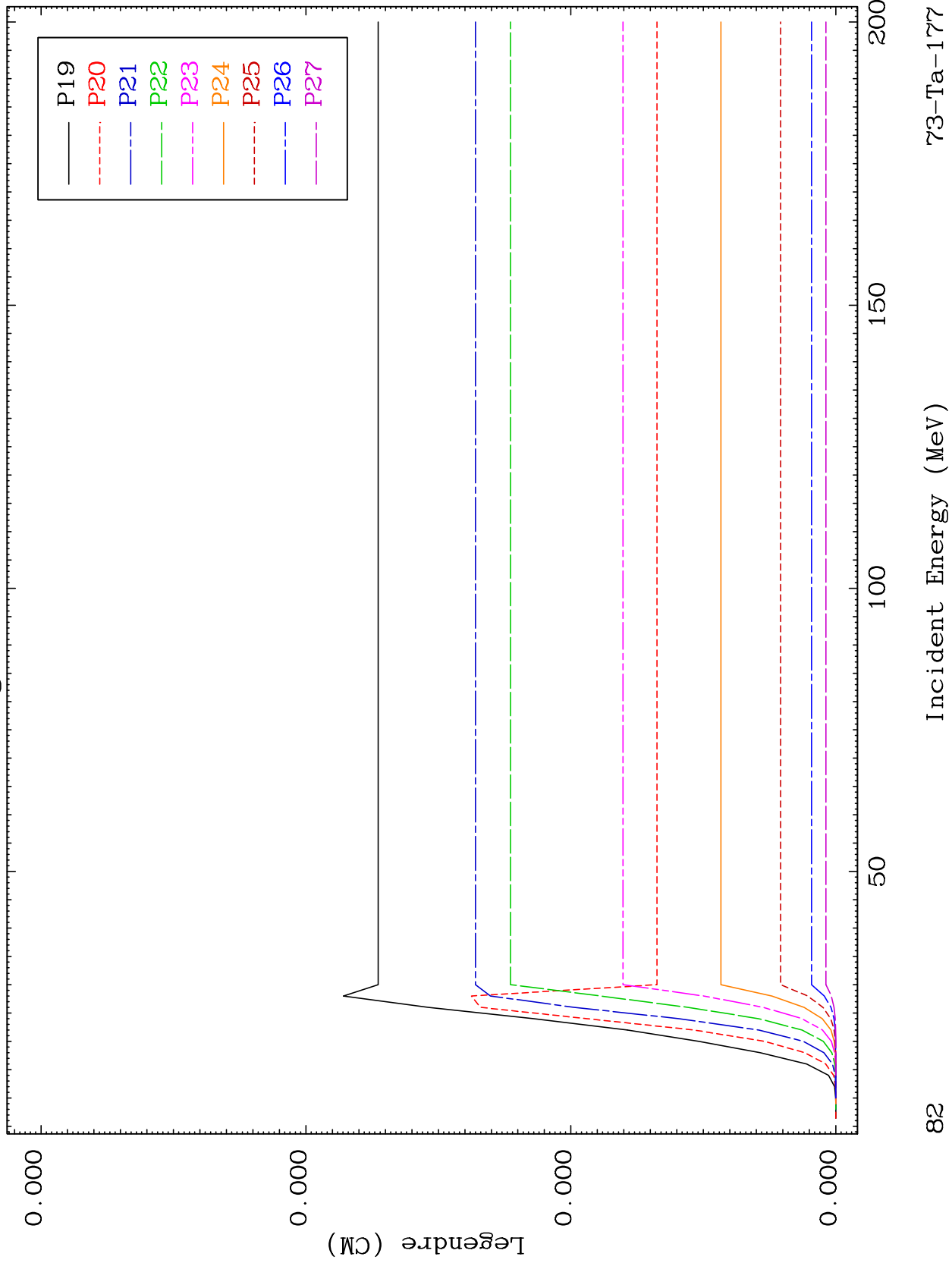




MAT 7316

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

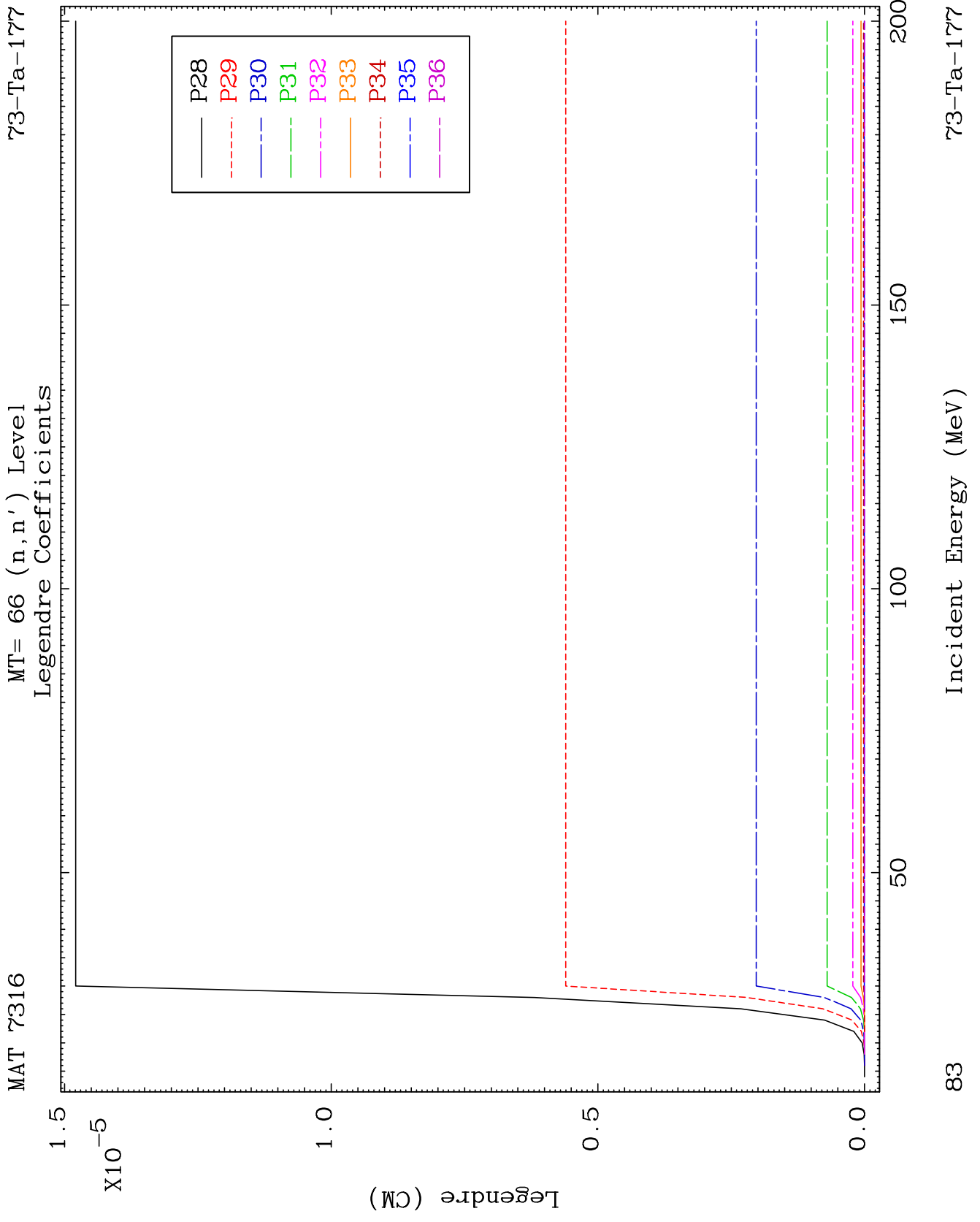
73-Ta-177

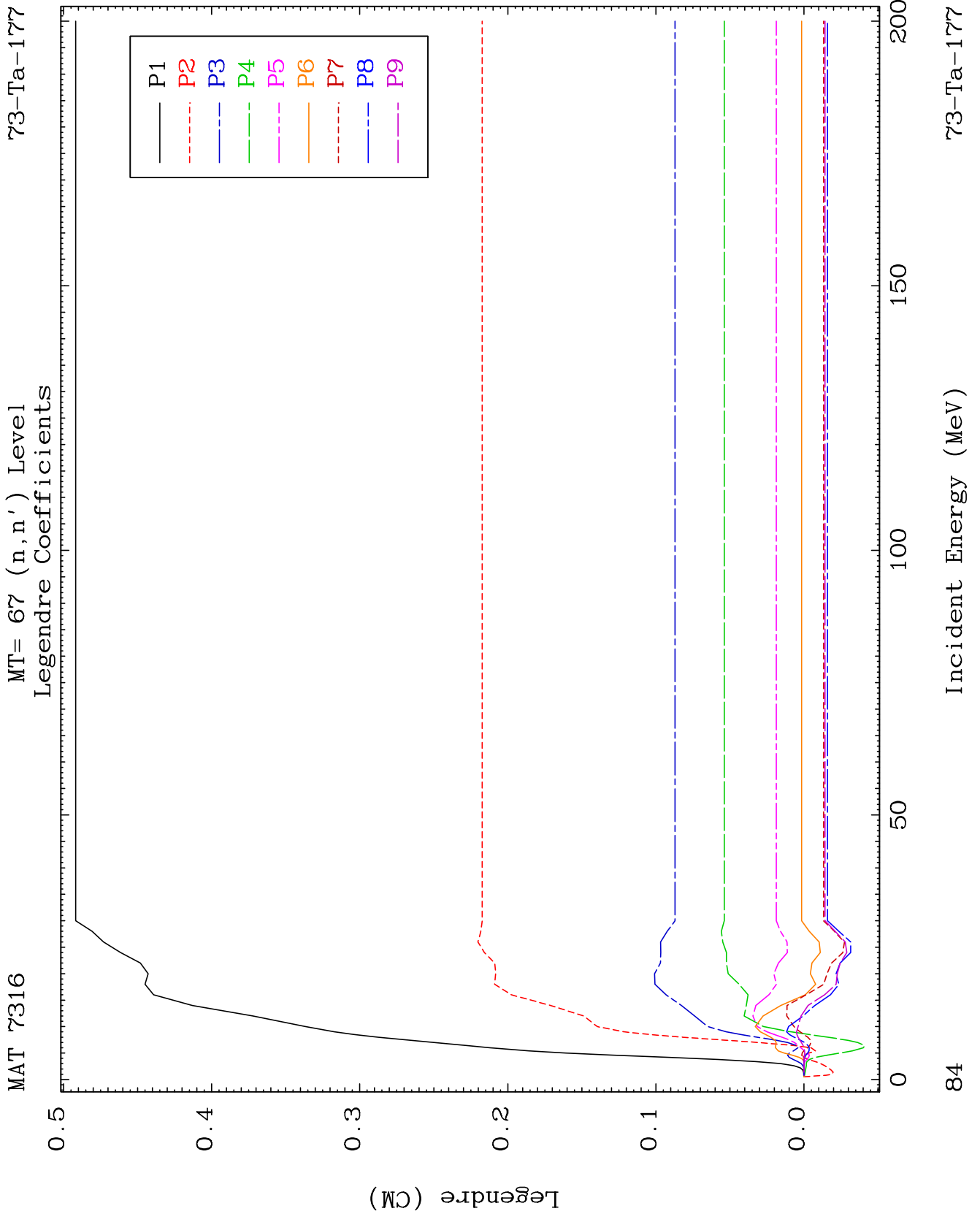


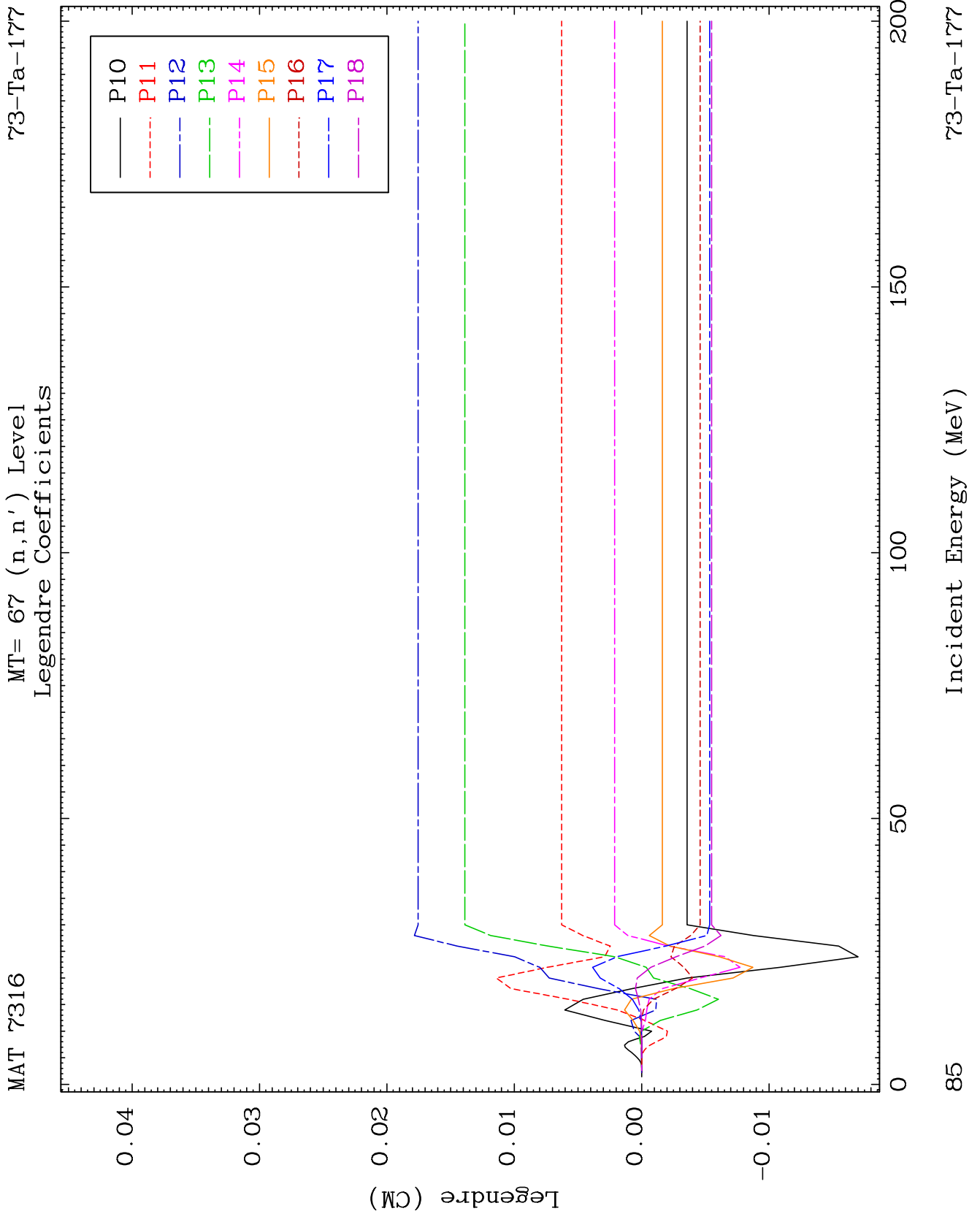
82

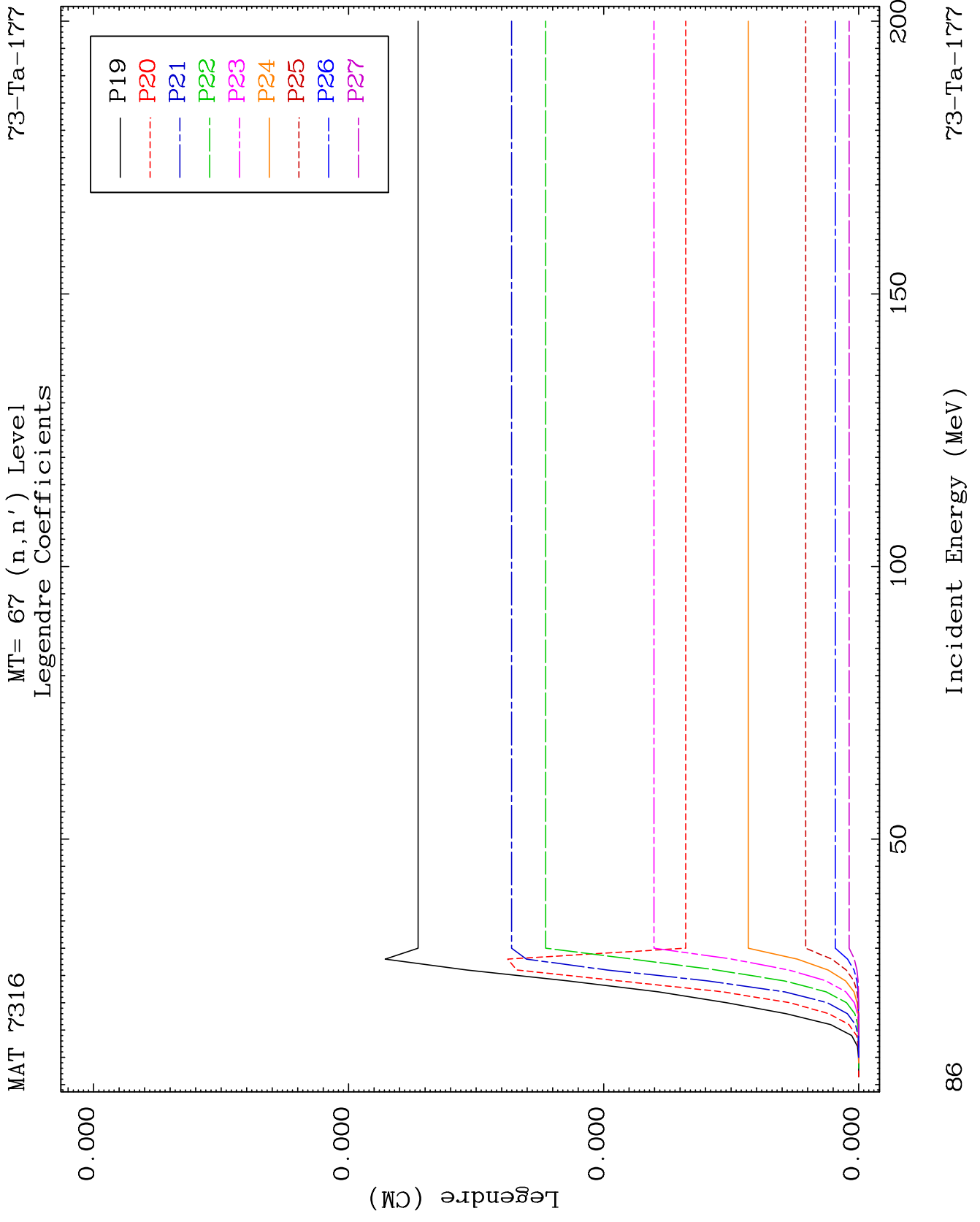
Incident Energy (MeV)

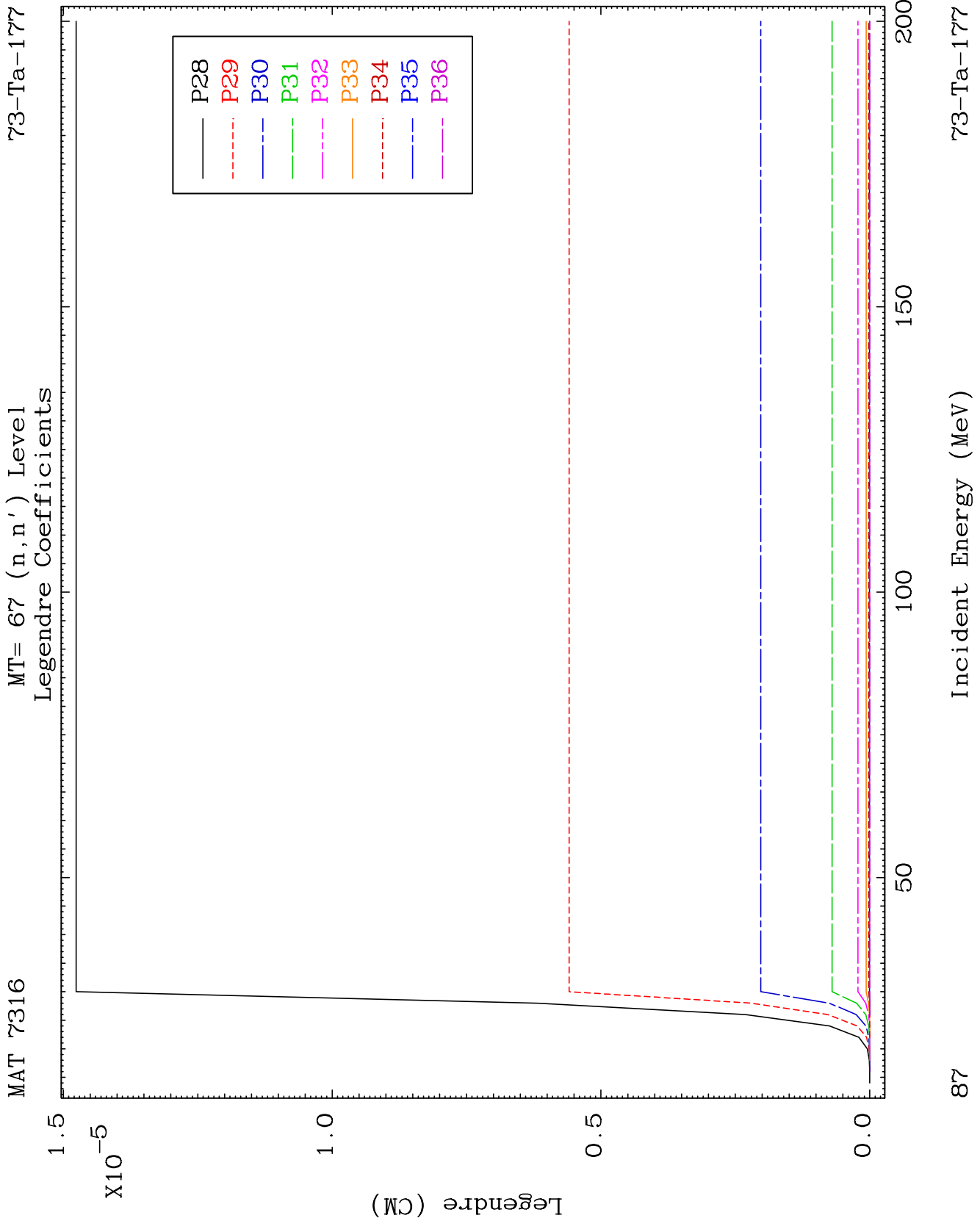
73-Ta-177

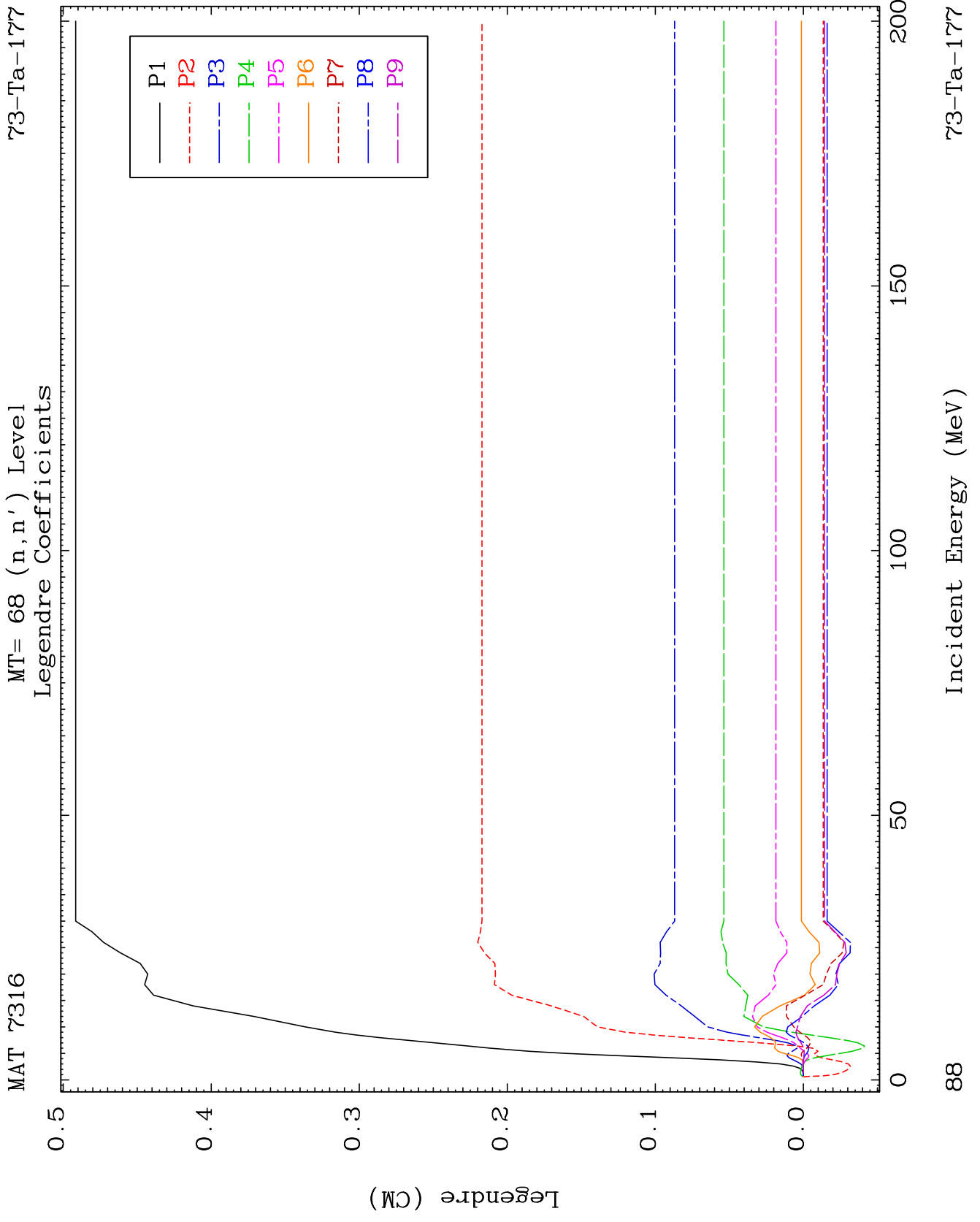


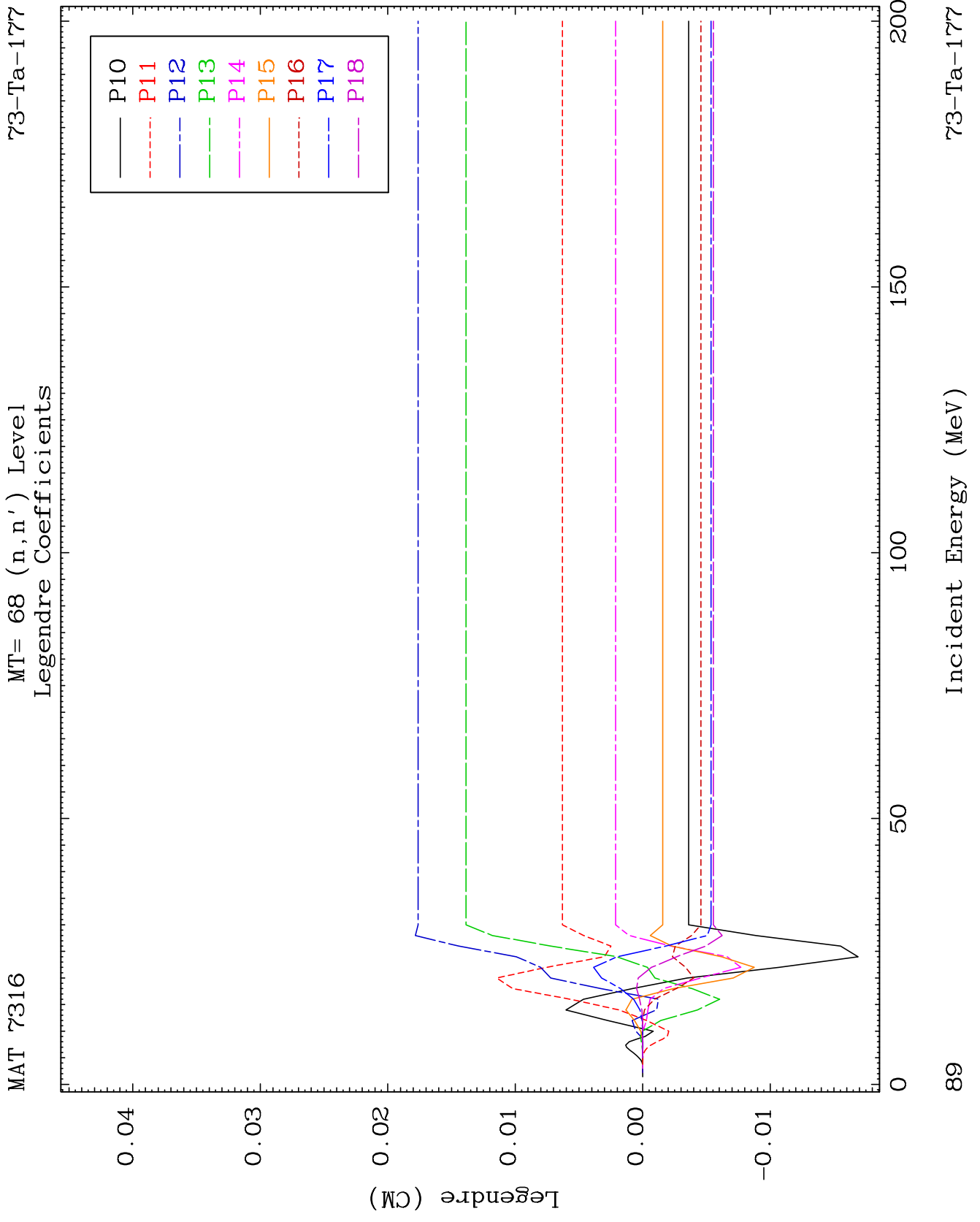


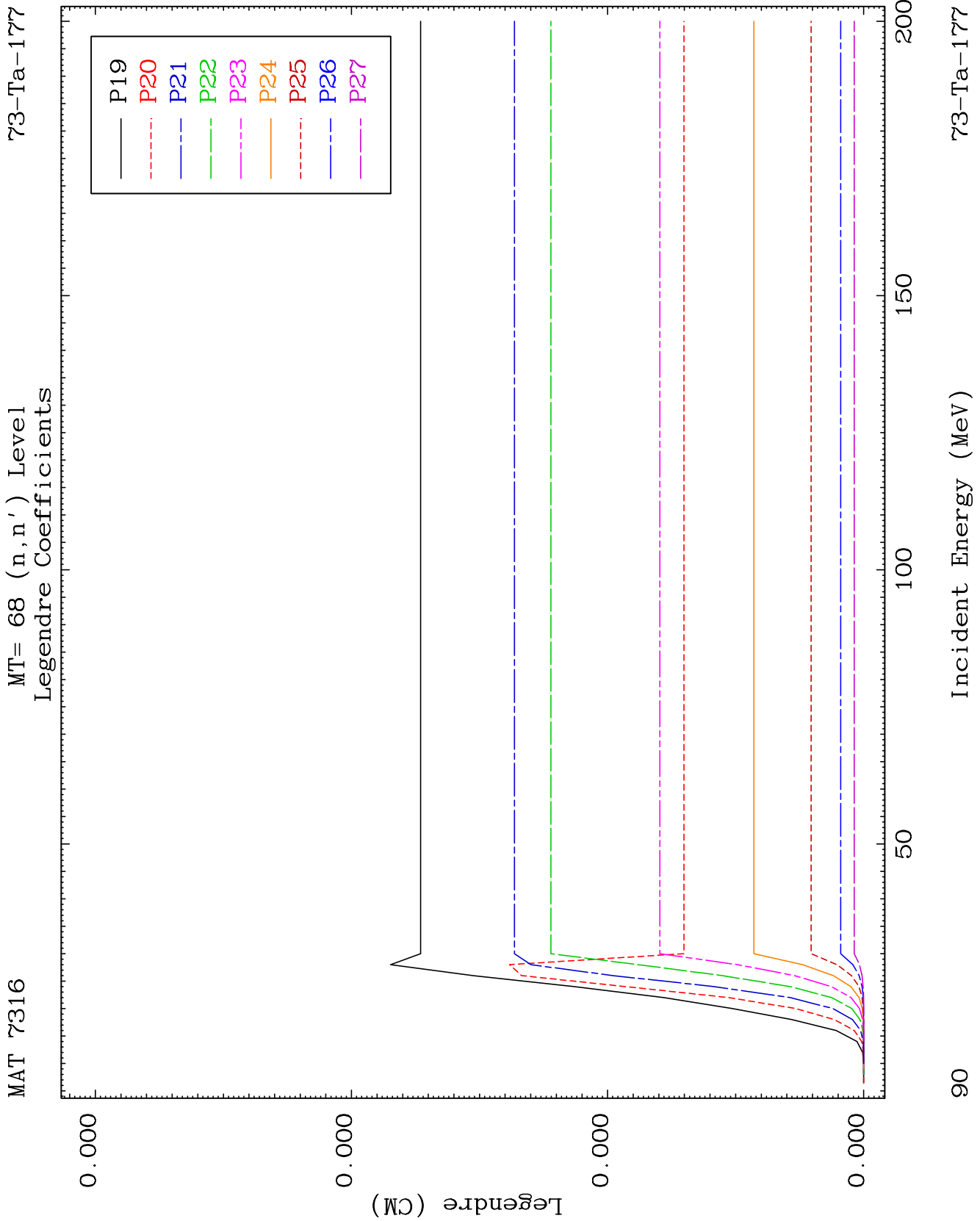








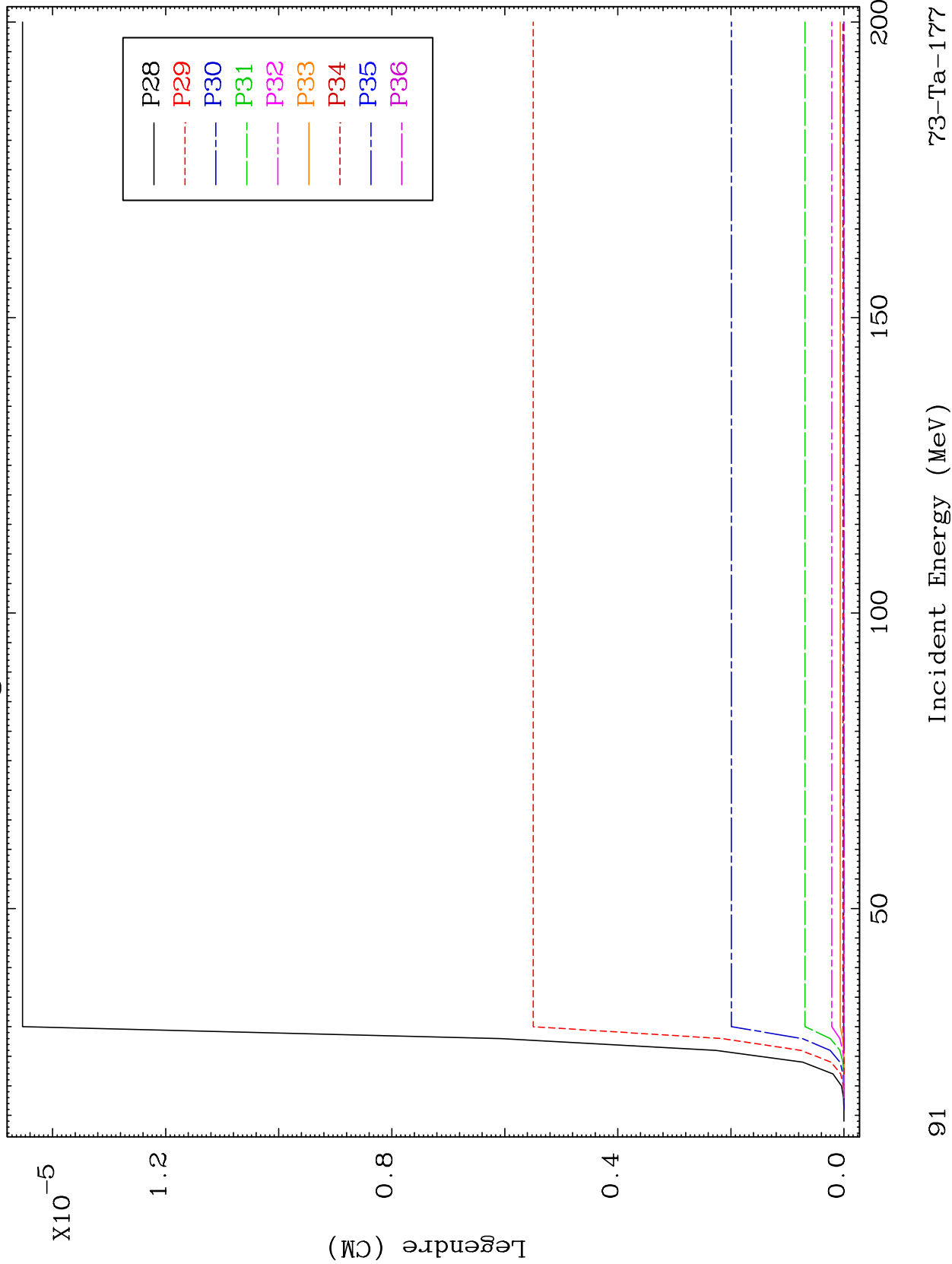




MAT 7316

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

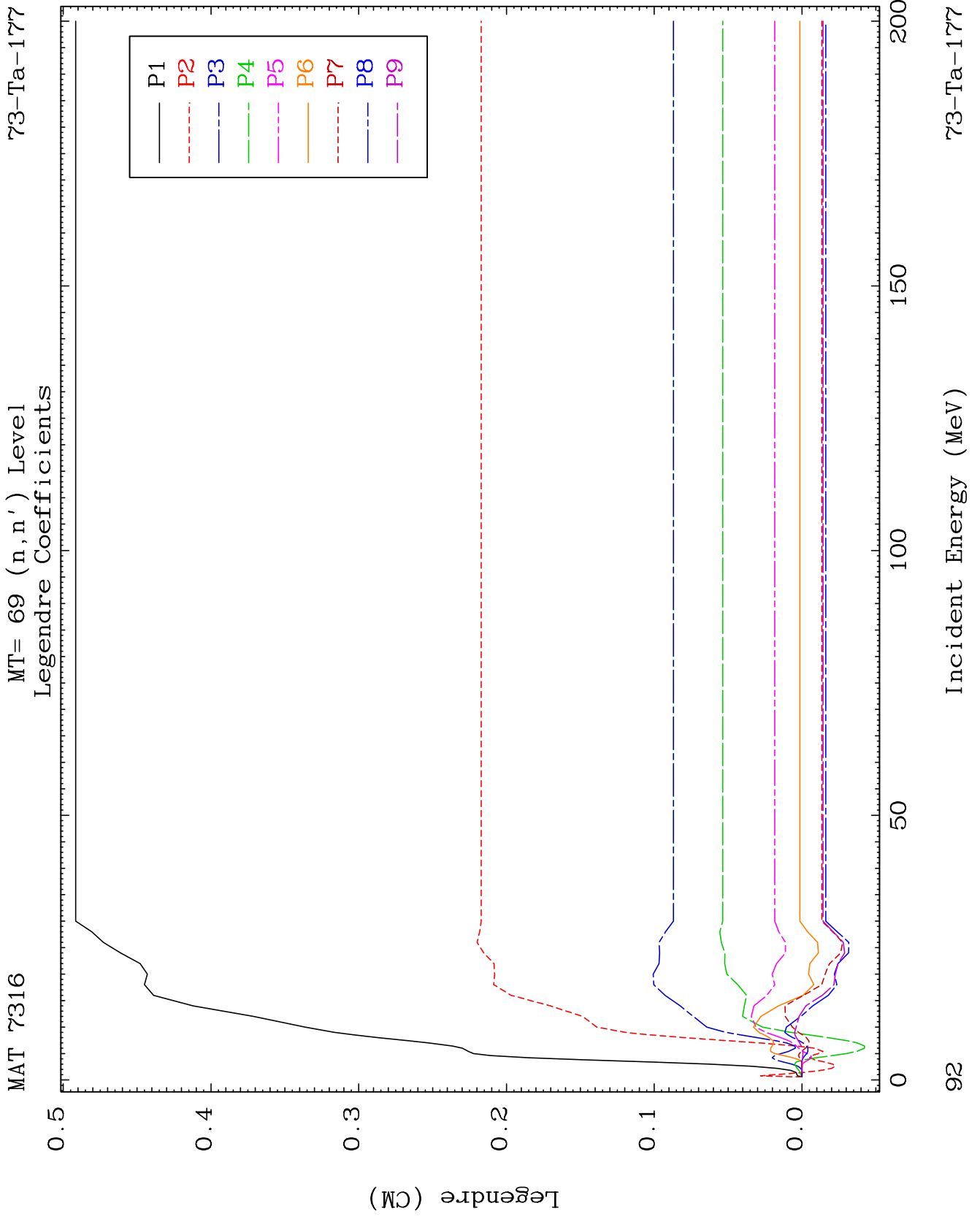
73-Ta-177

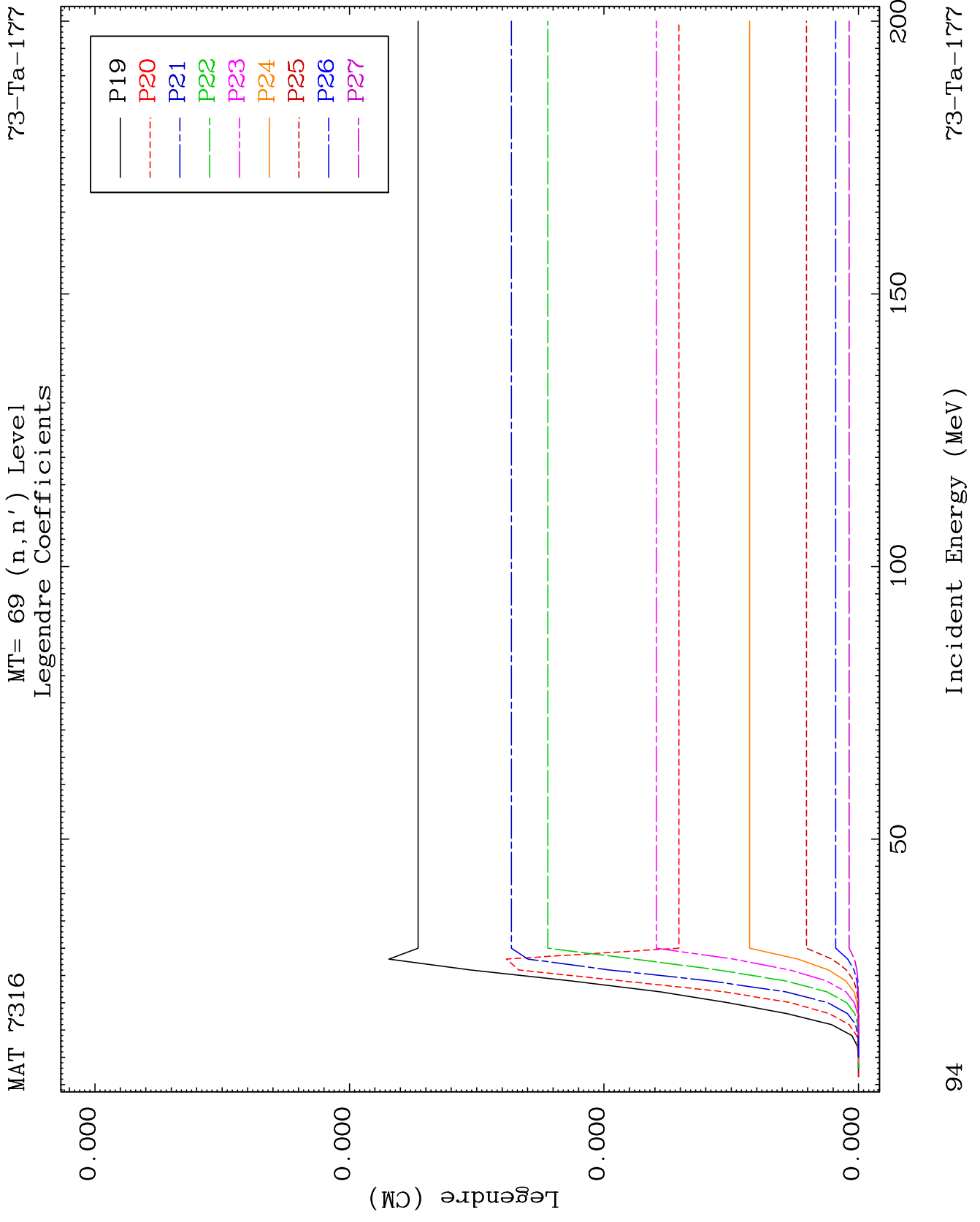


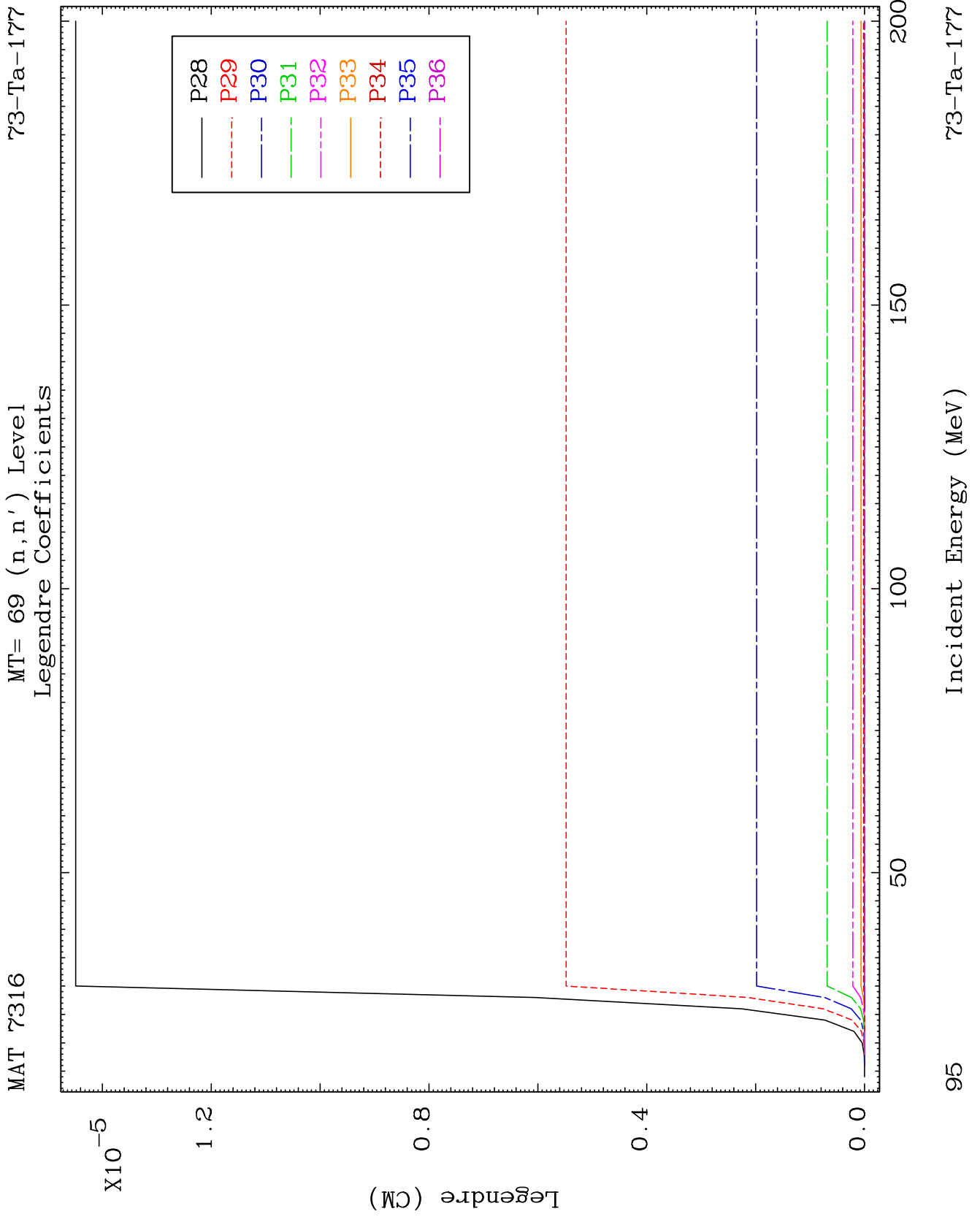
91

Incident Energy (MeV)

73-Ta-177



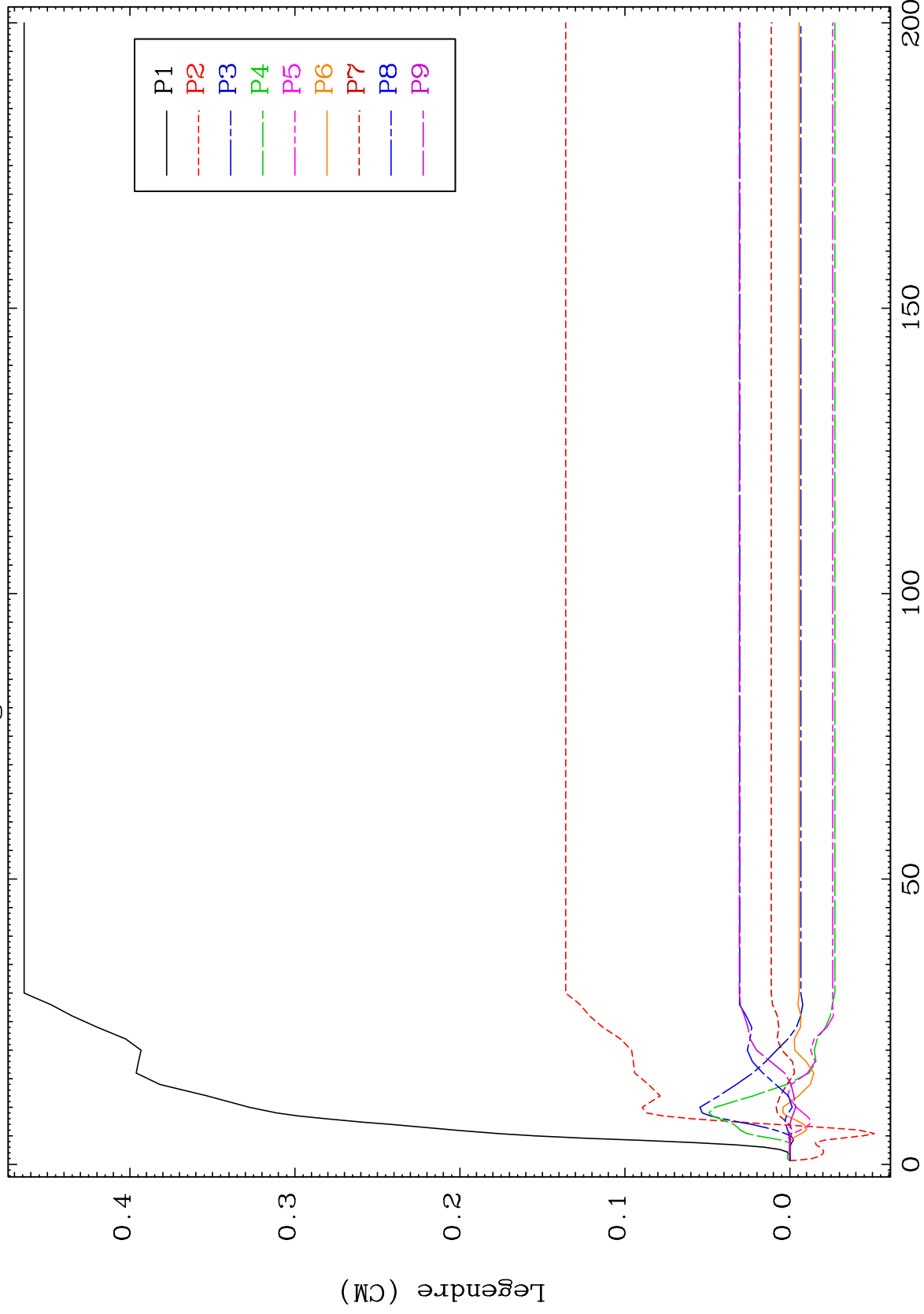




MAT 7316

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

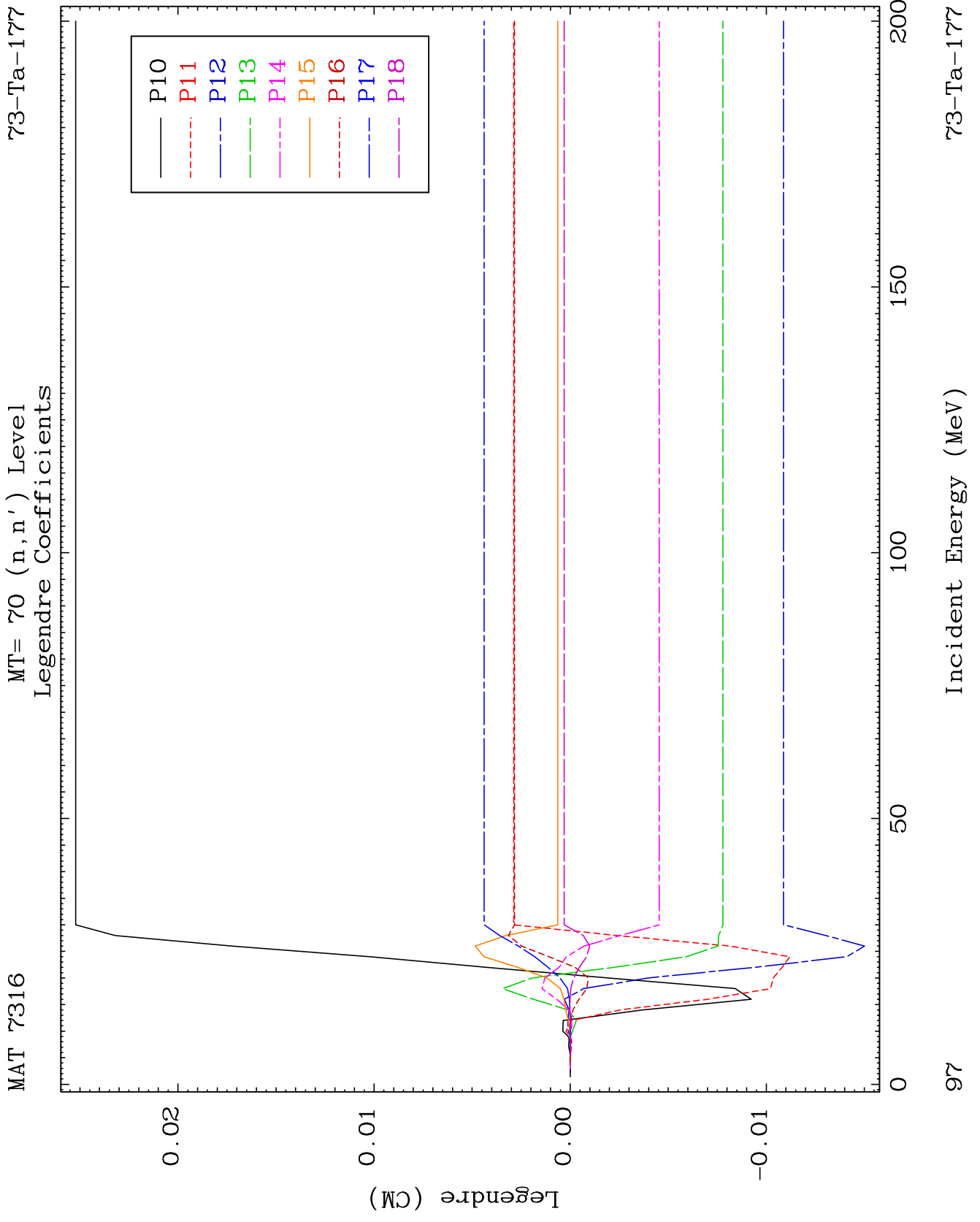
⁷³Ta-177



96

Incident Energy (MeV)

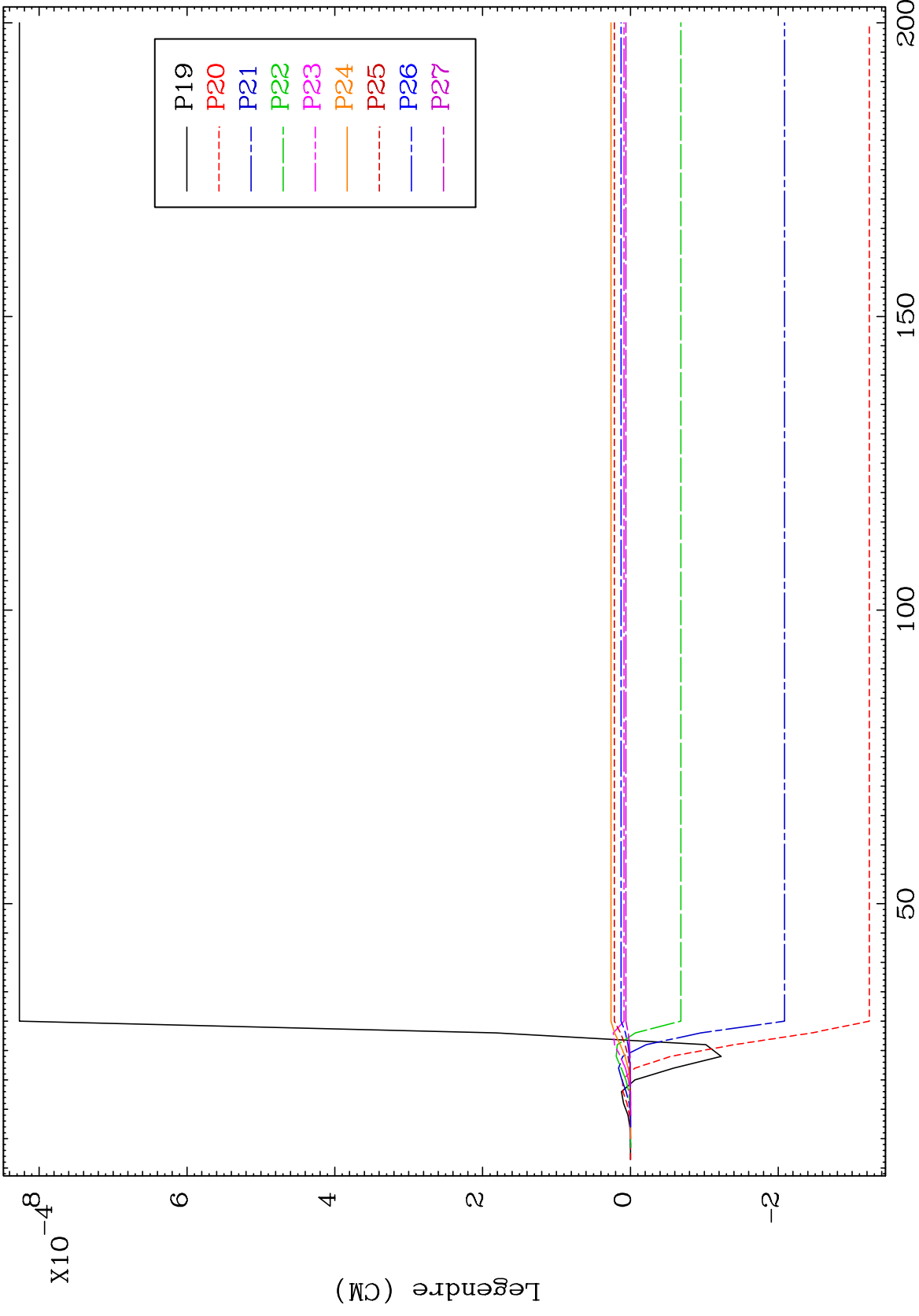
⁷³Ta-177



MAT 7316

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

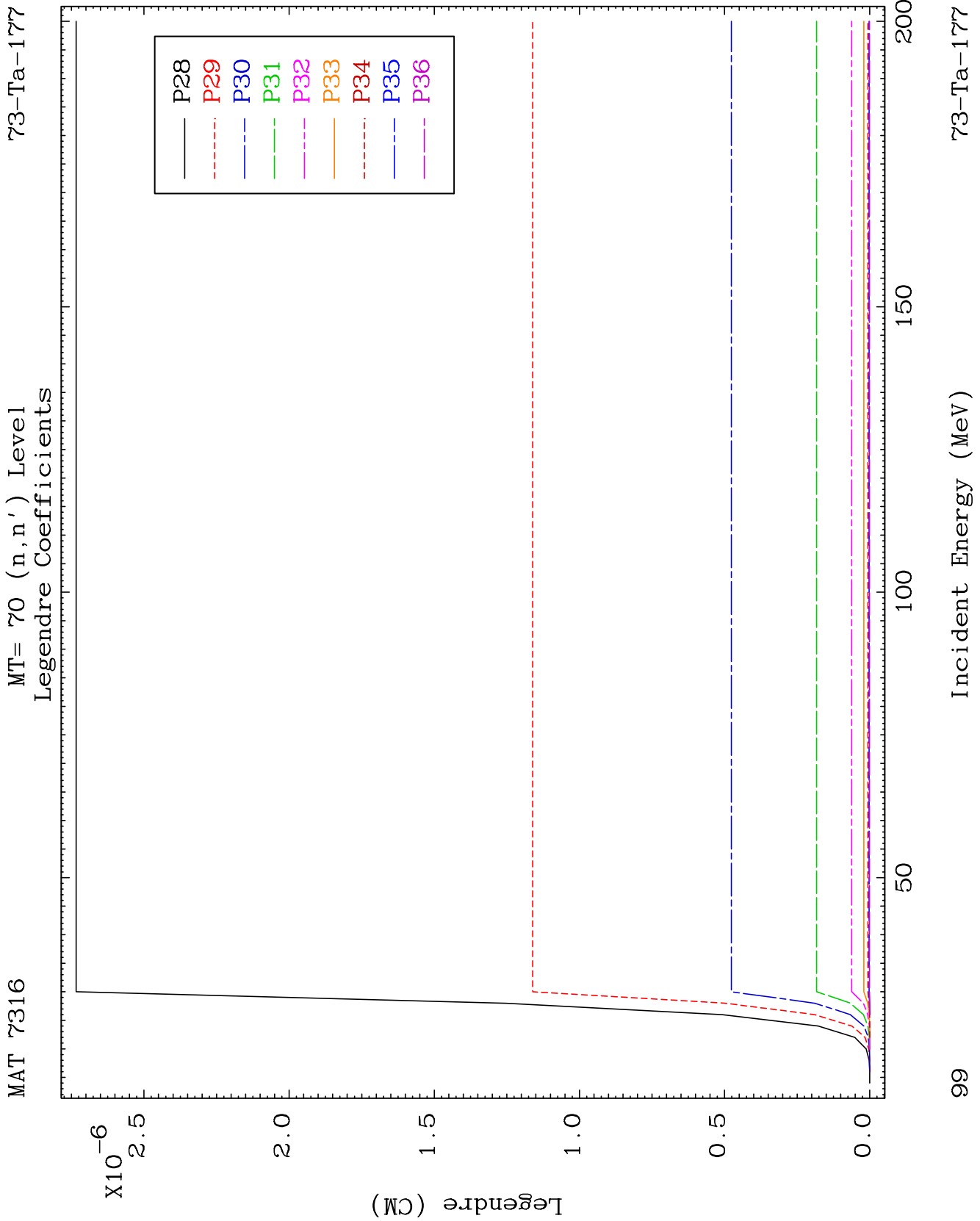
73-Ta-177

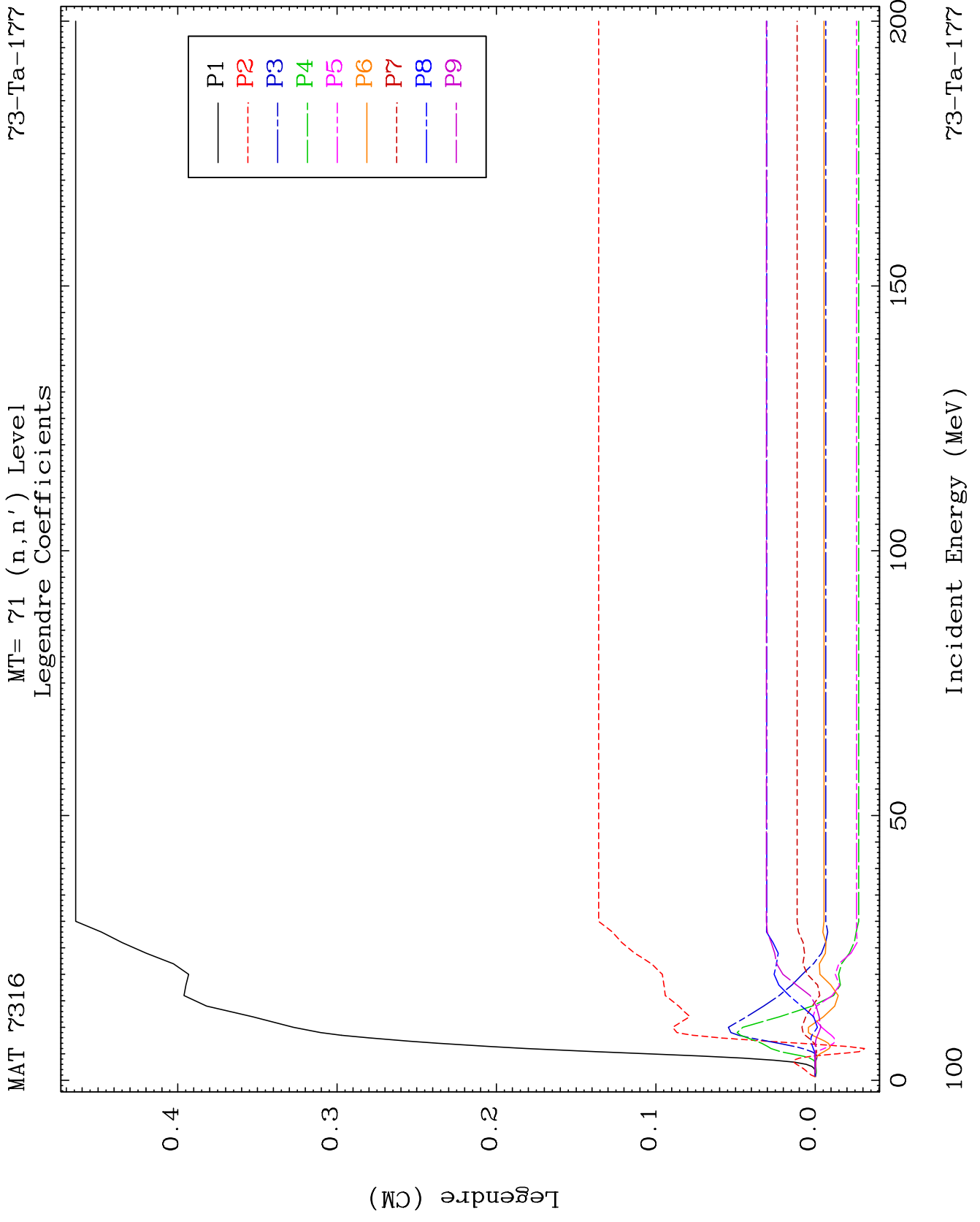


98

Incident Energy (MeV)

73-Ta-177

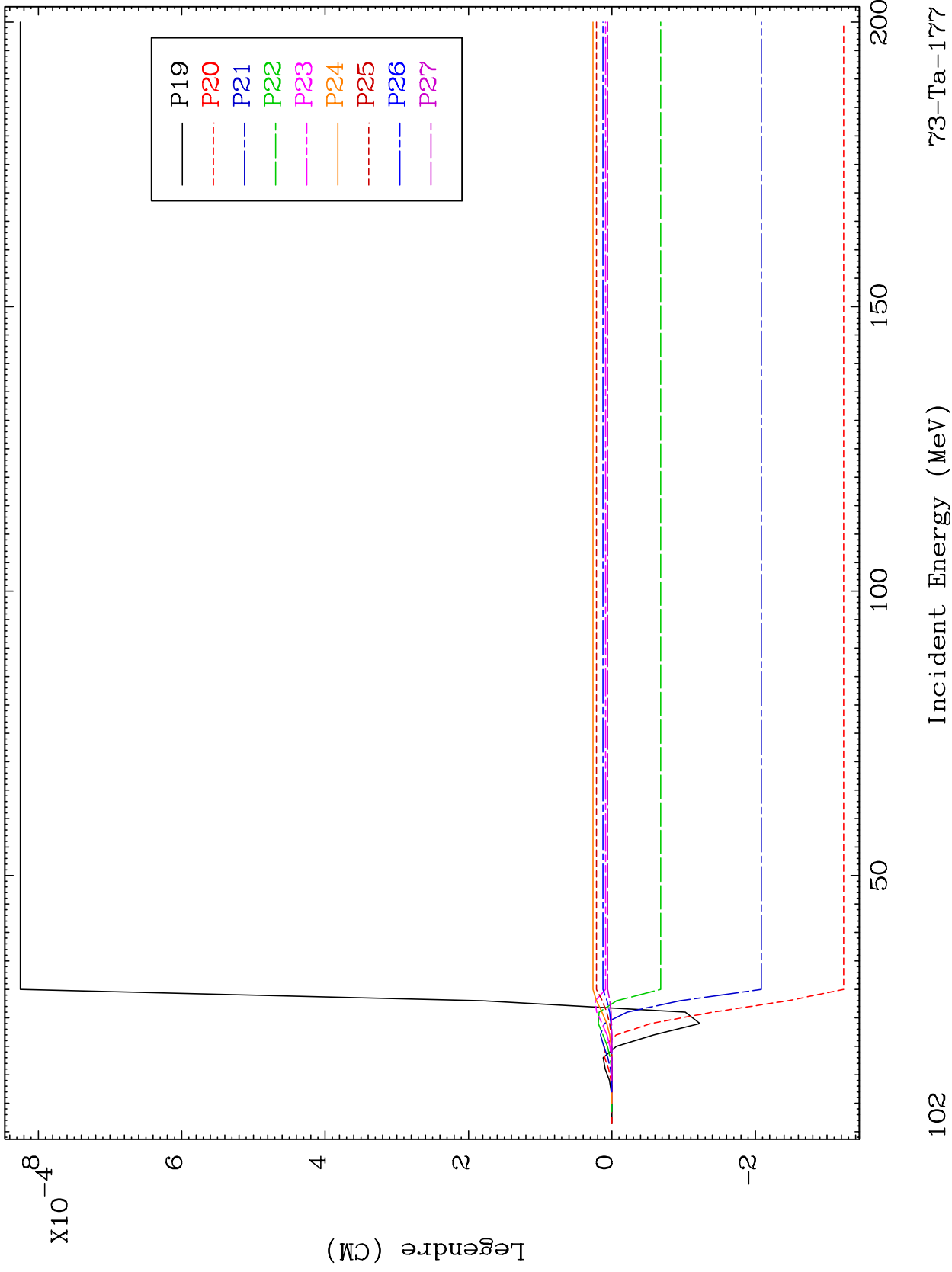




MAT 7316

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

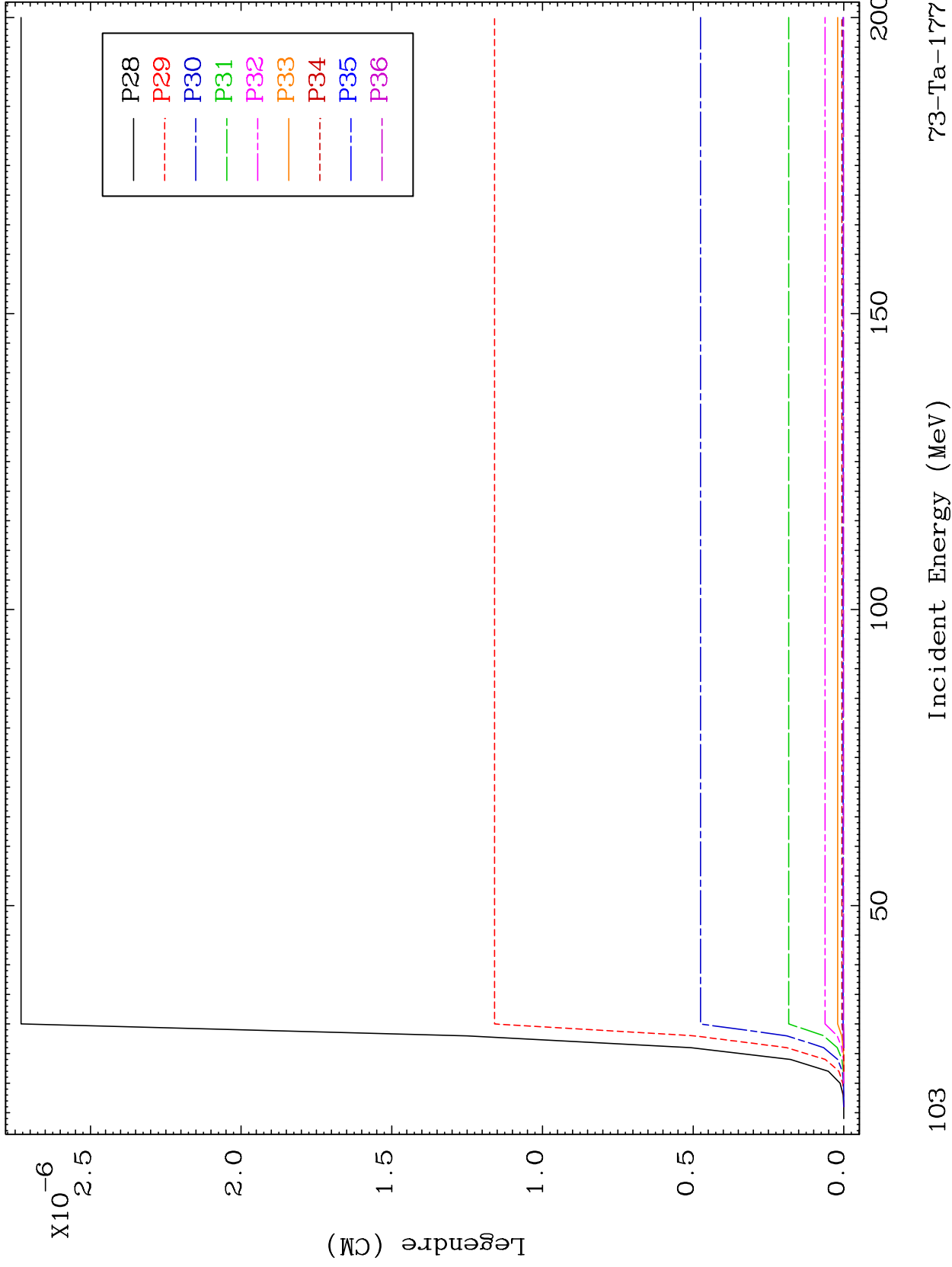
73-Ta-177

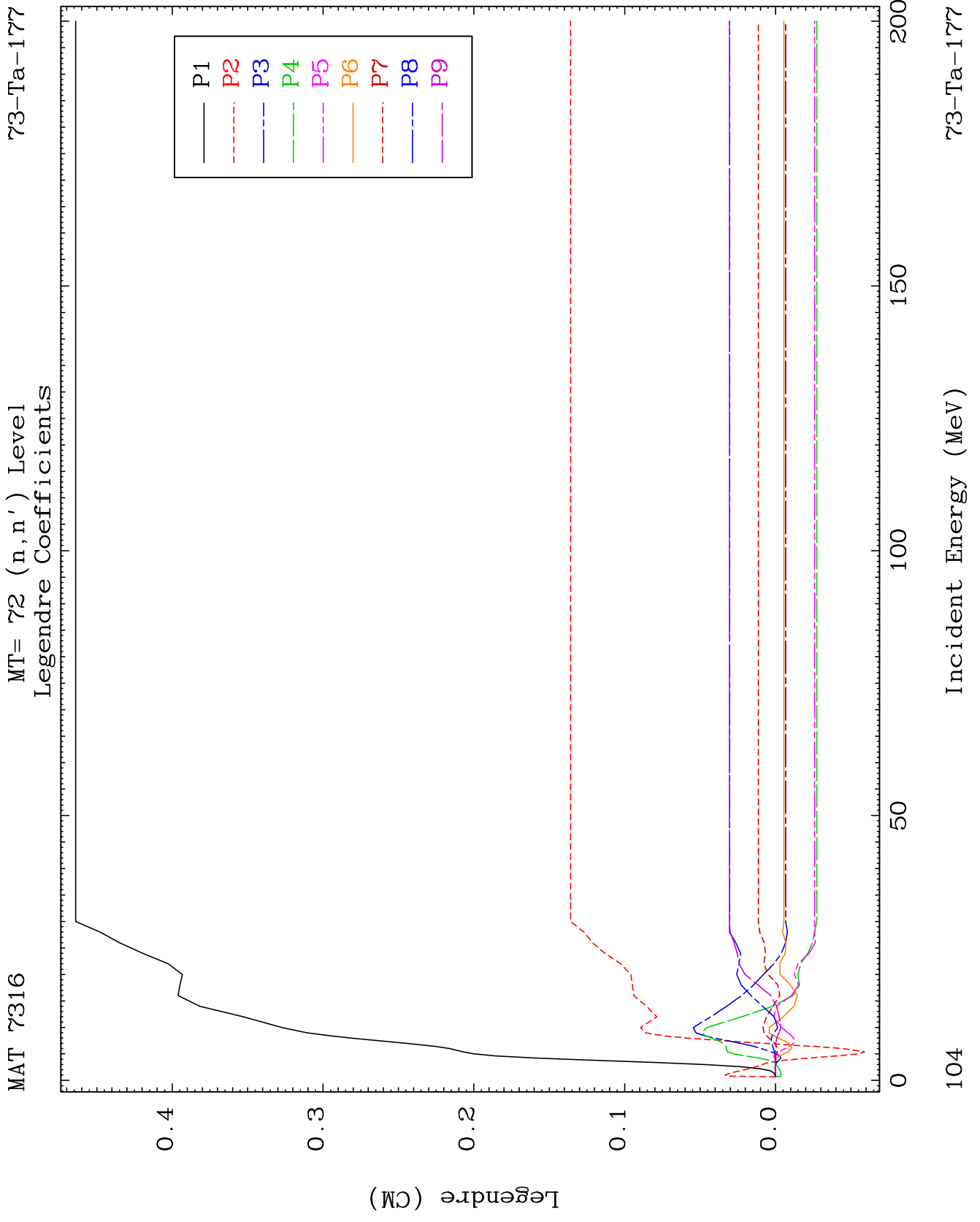


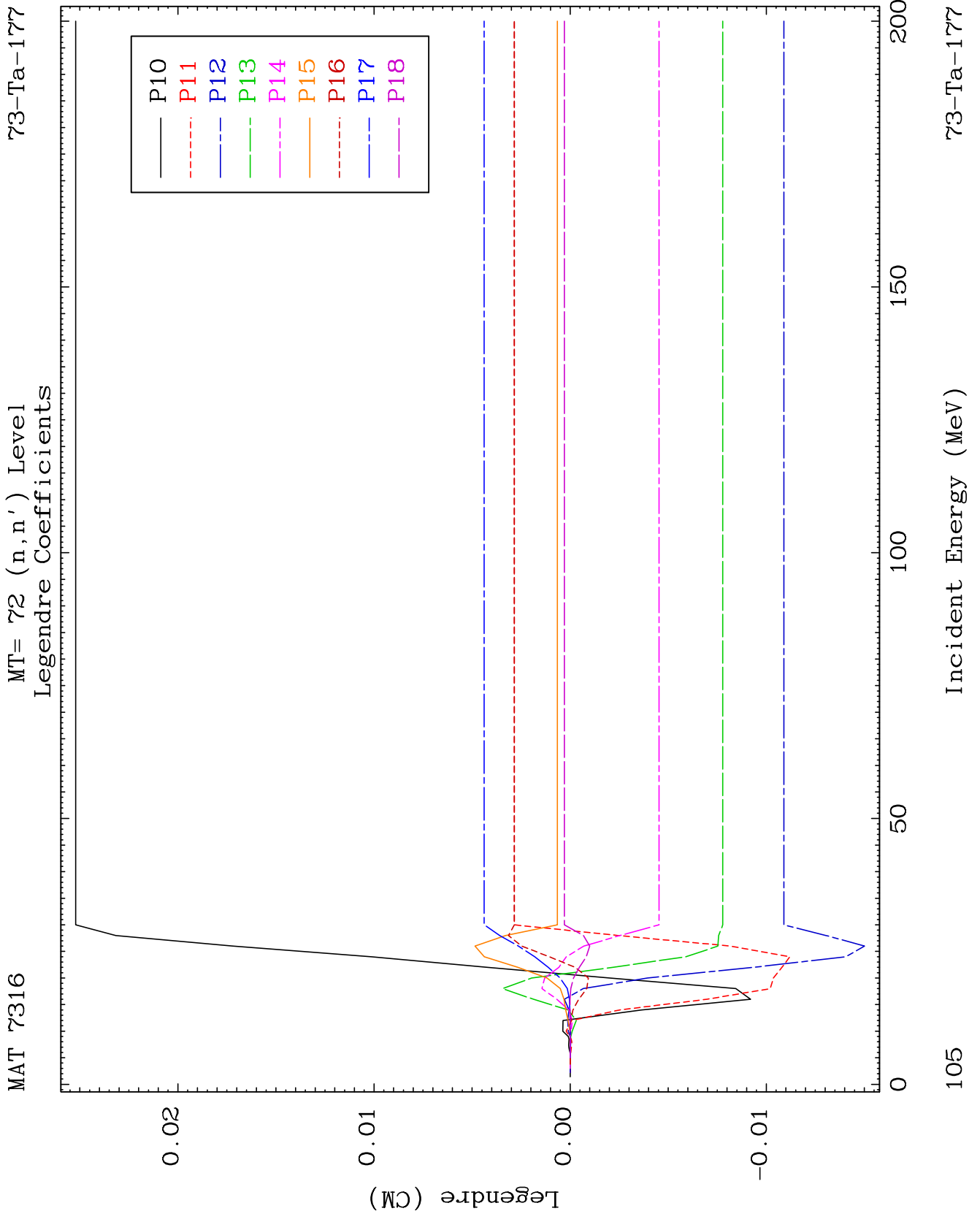
102

Incident Energy (MeV)

73-Ta-177



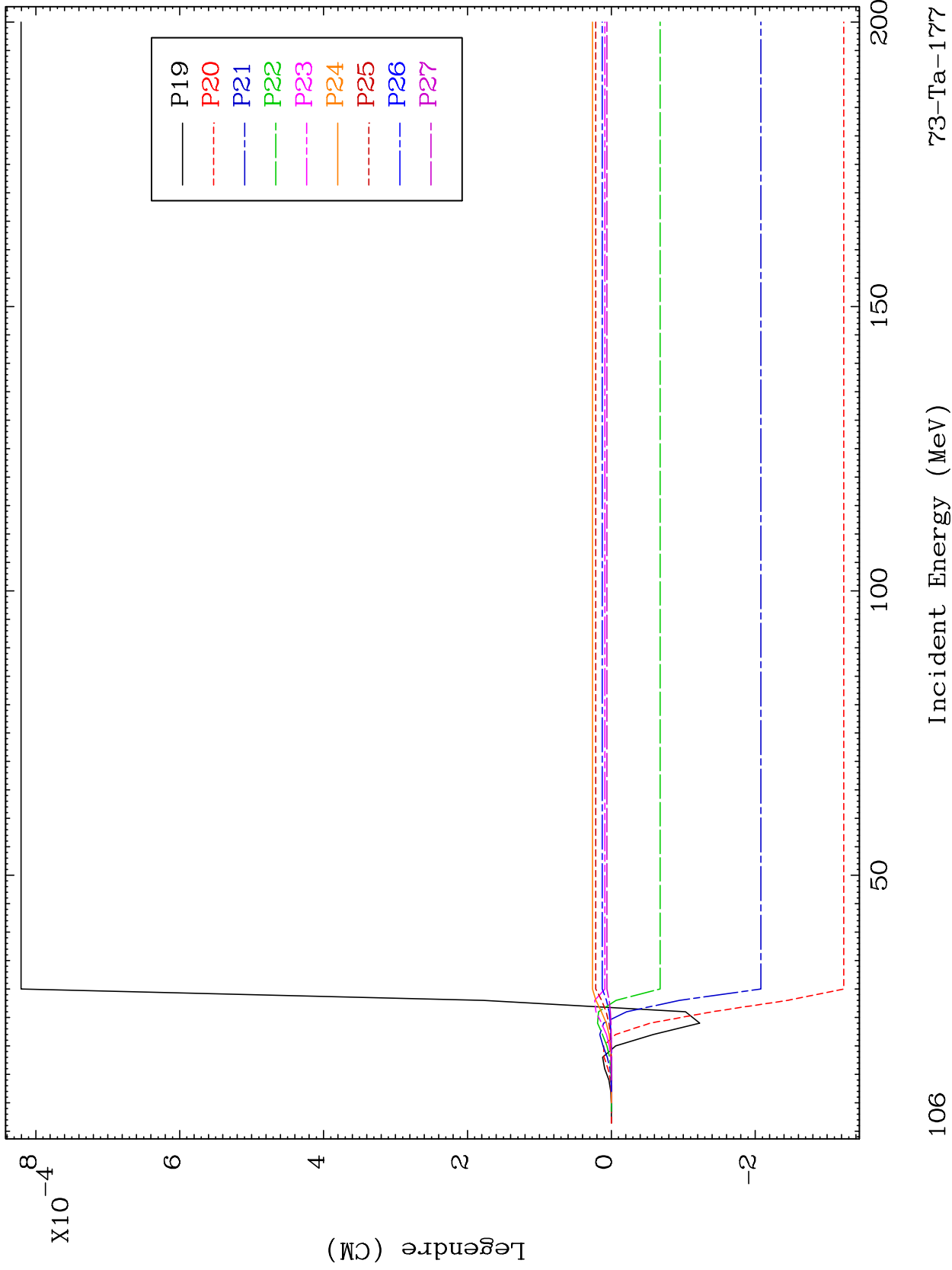




MAT 7316

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

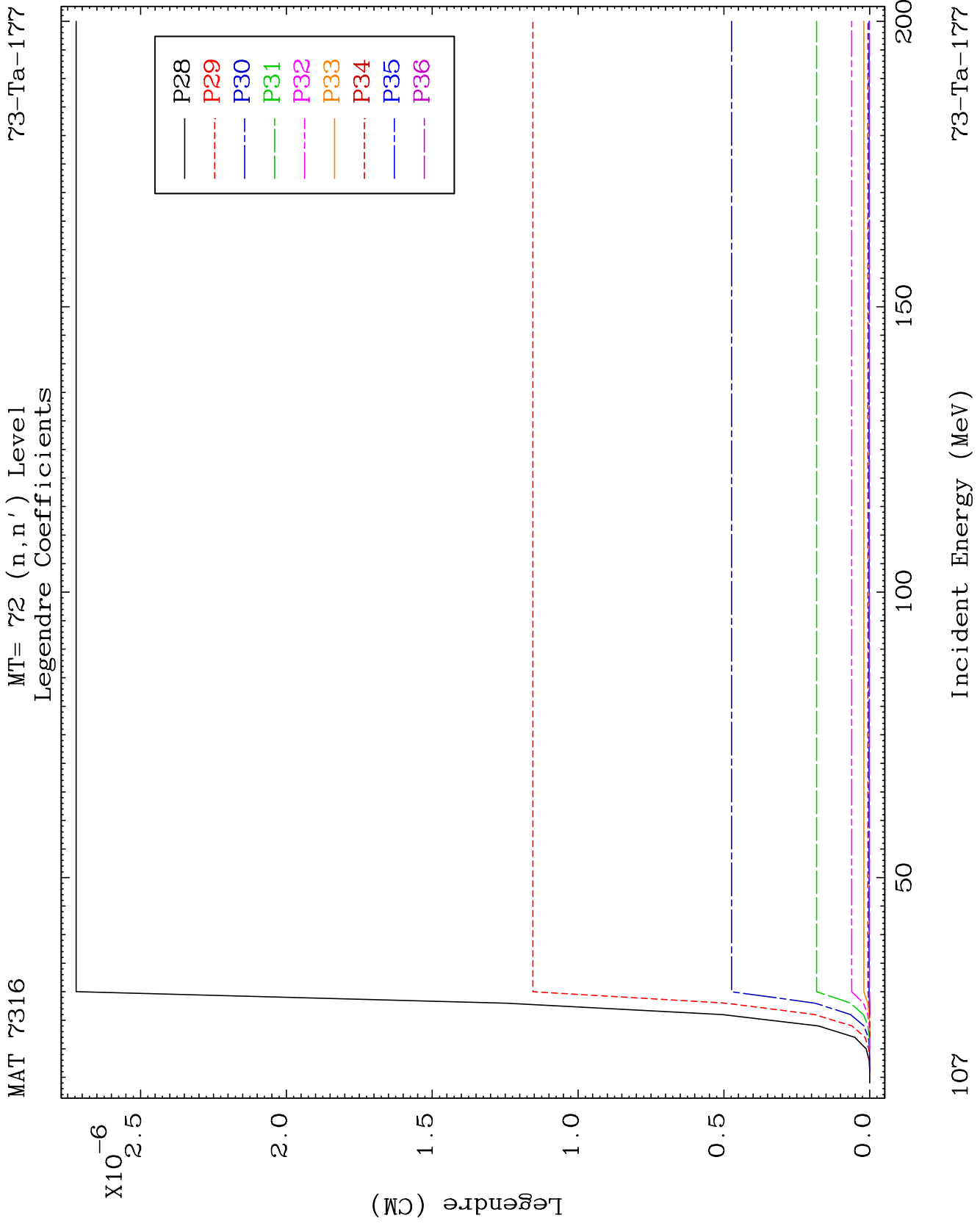
73-Ta-177



106

Incident Energy (MeV)

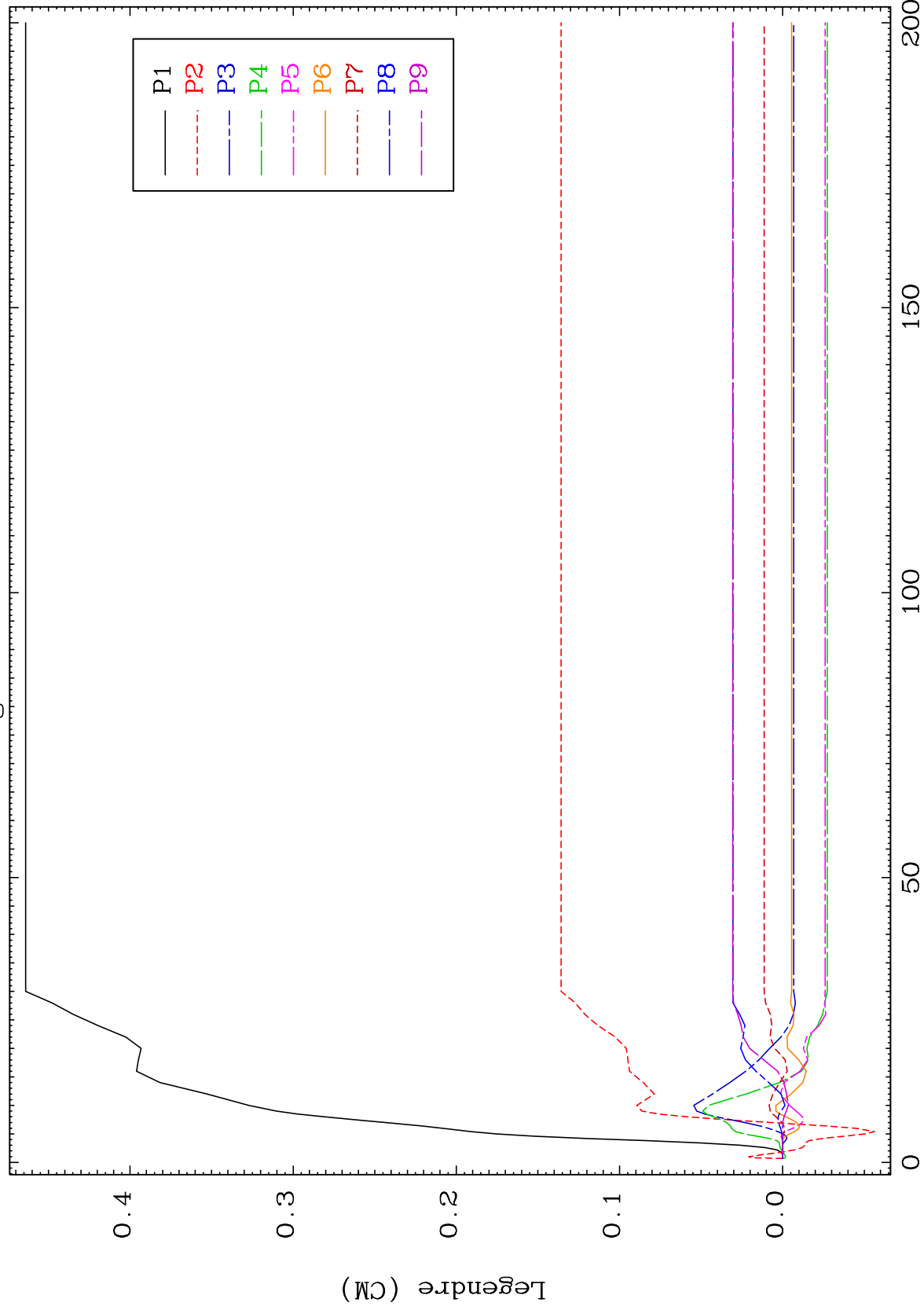
73-Ta-177



MAT 7316

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

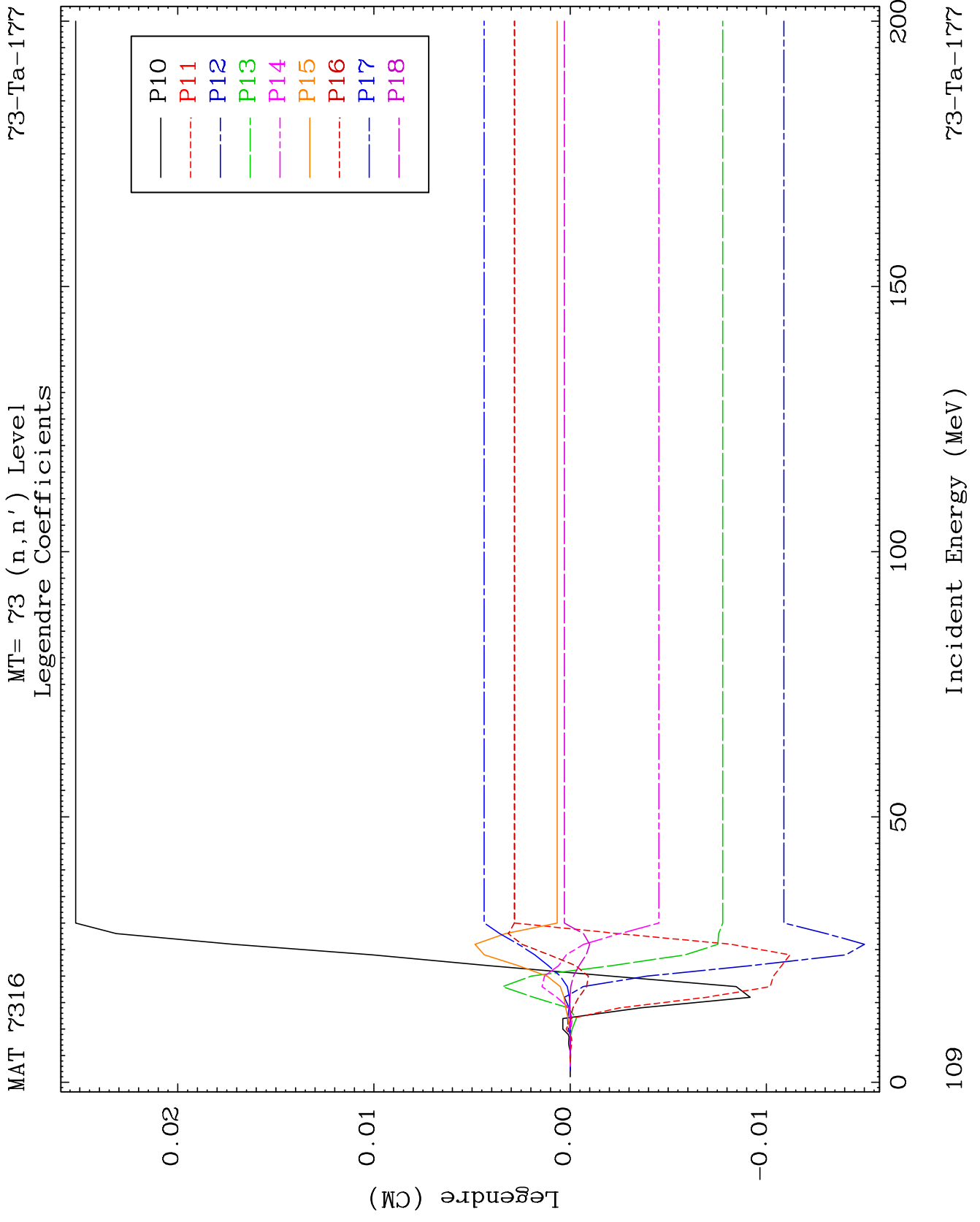
73-Ta-177

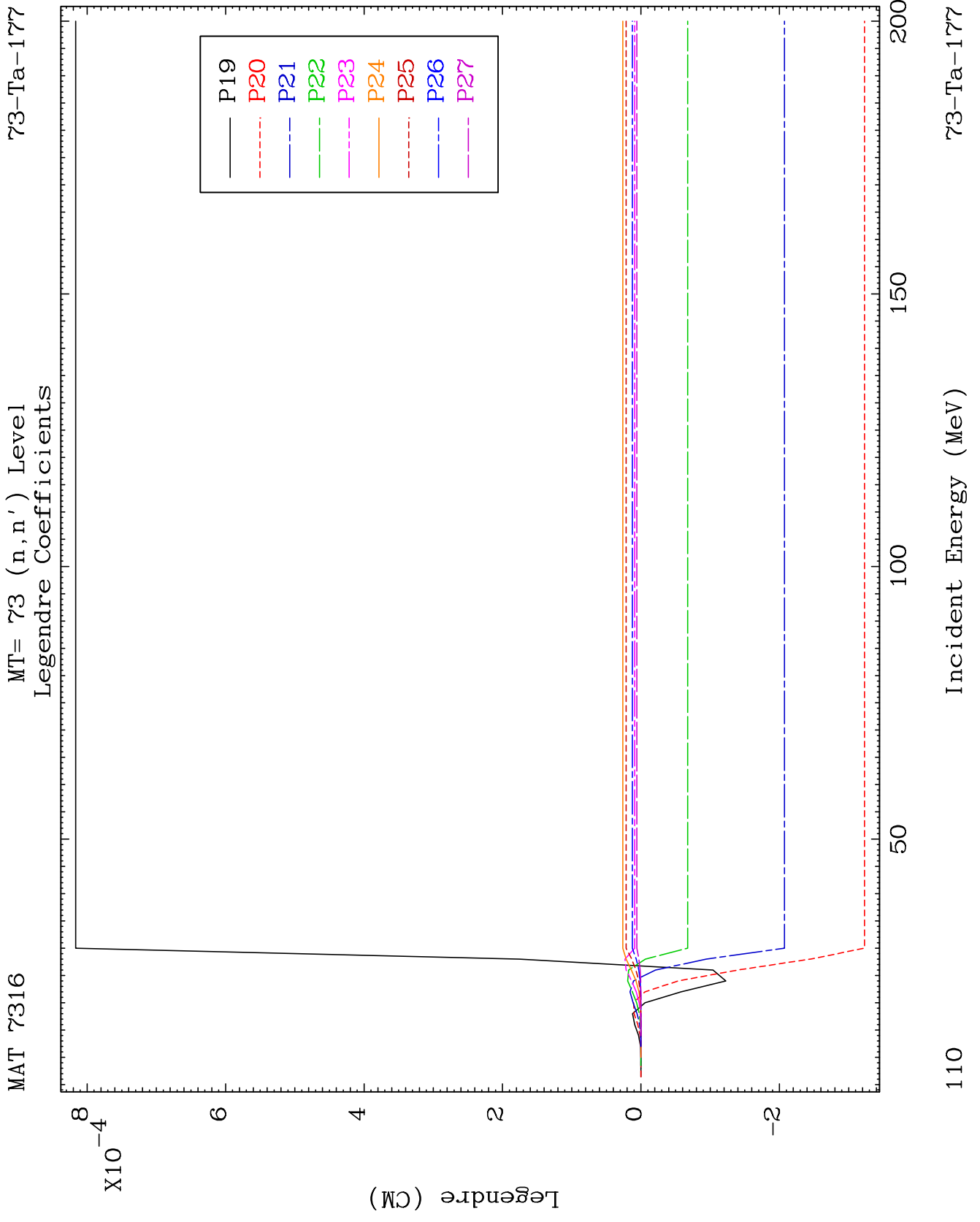


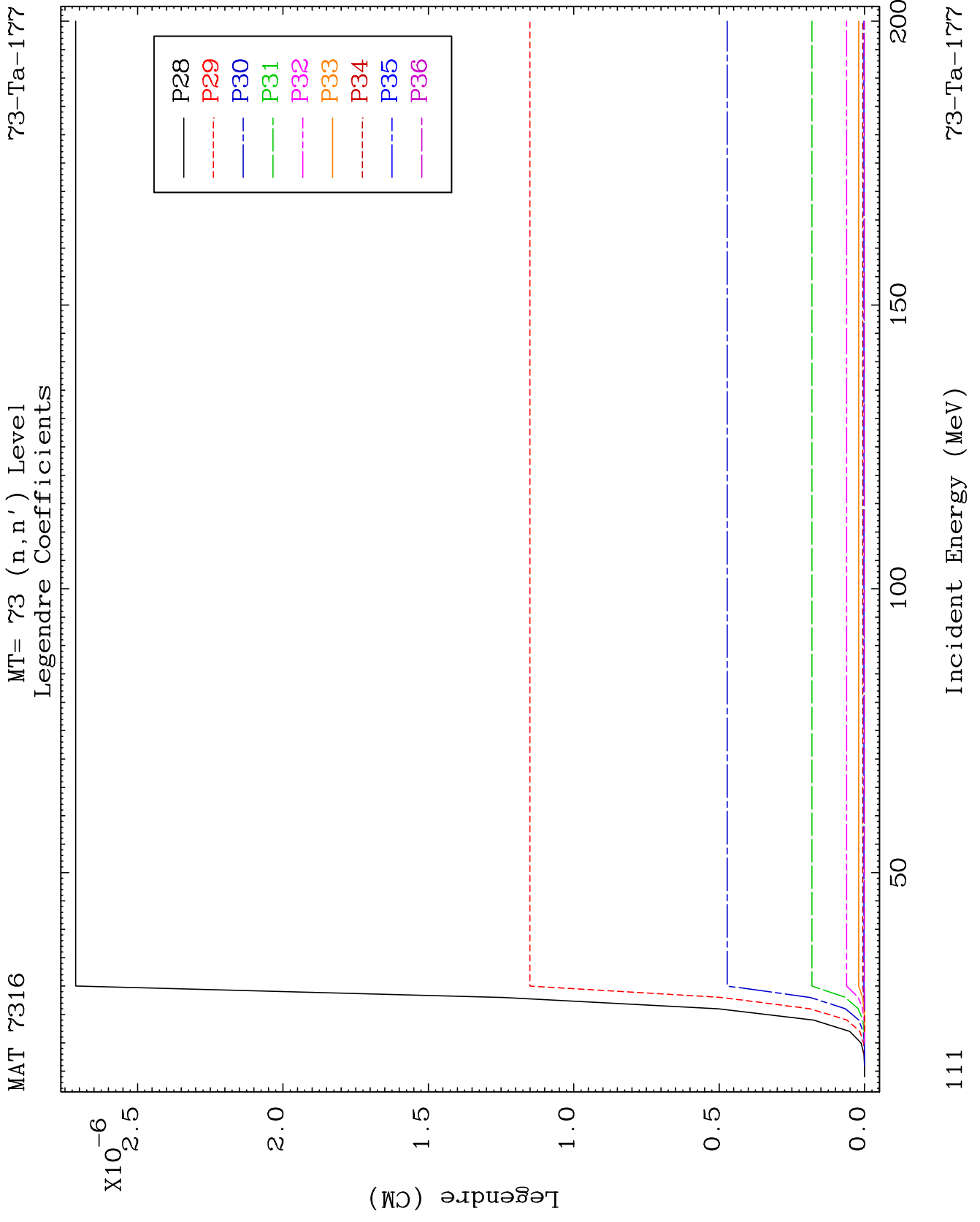
73-Ta-177

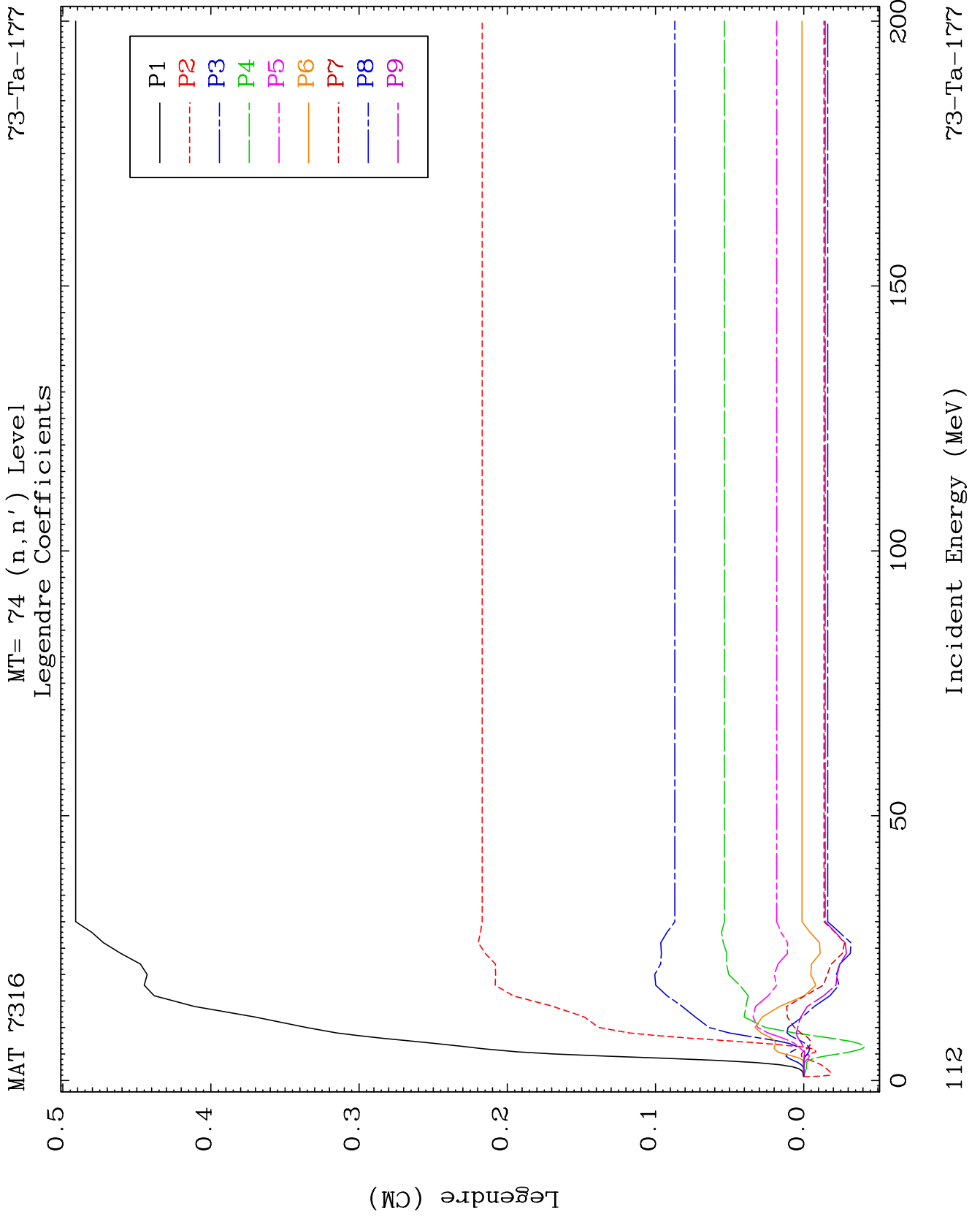
Incident Energy (MeV)

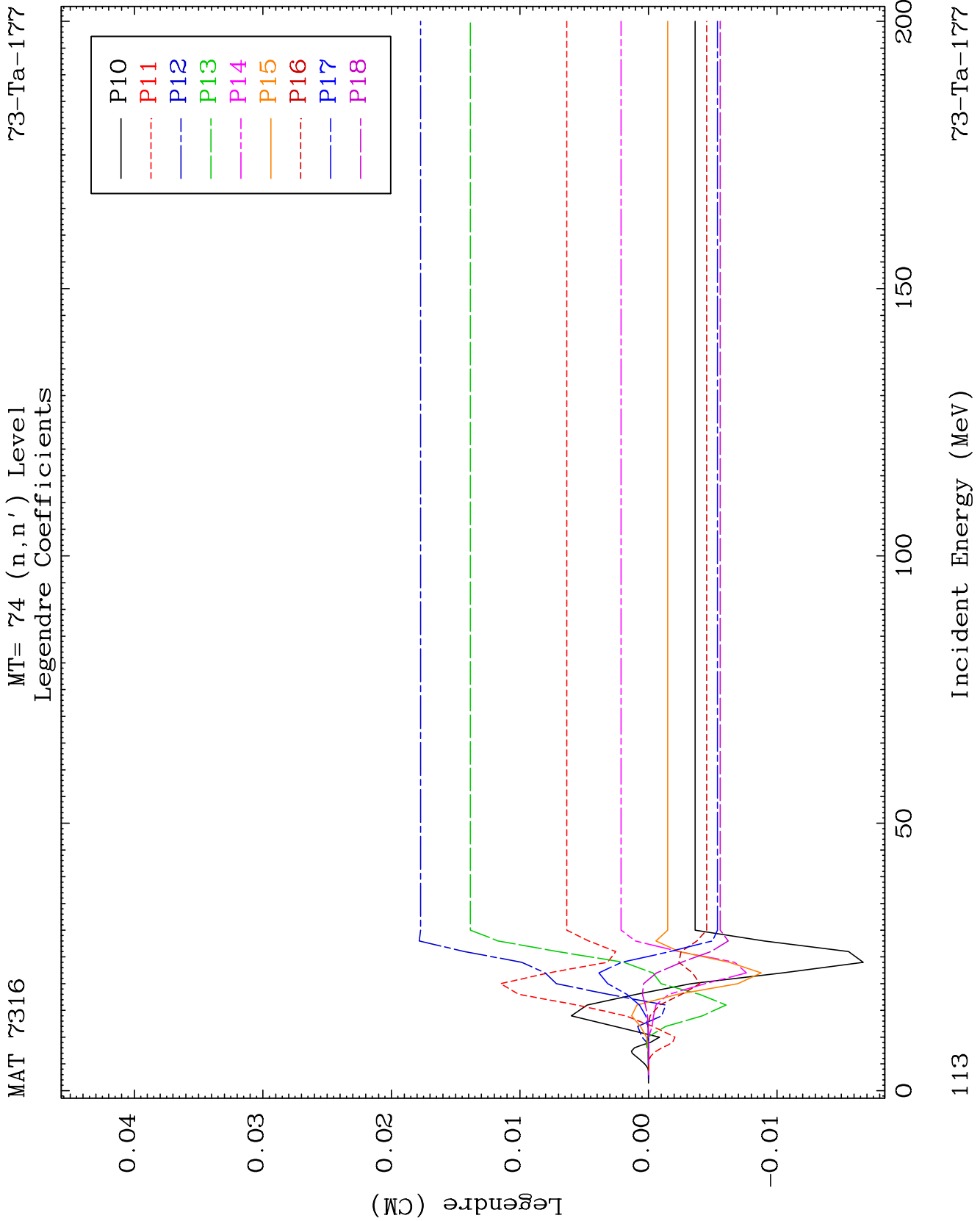
108

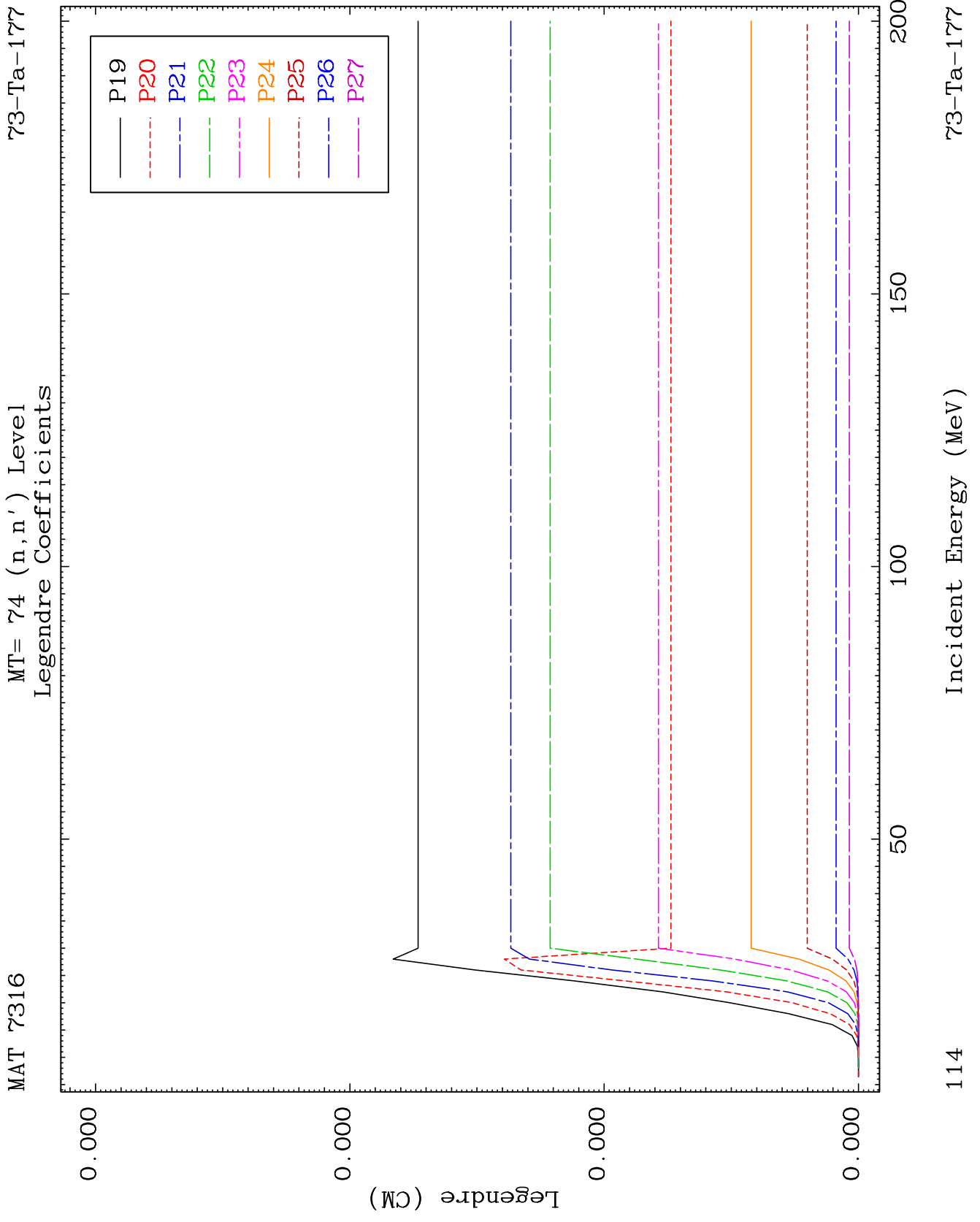


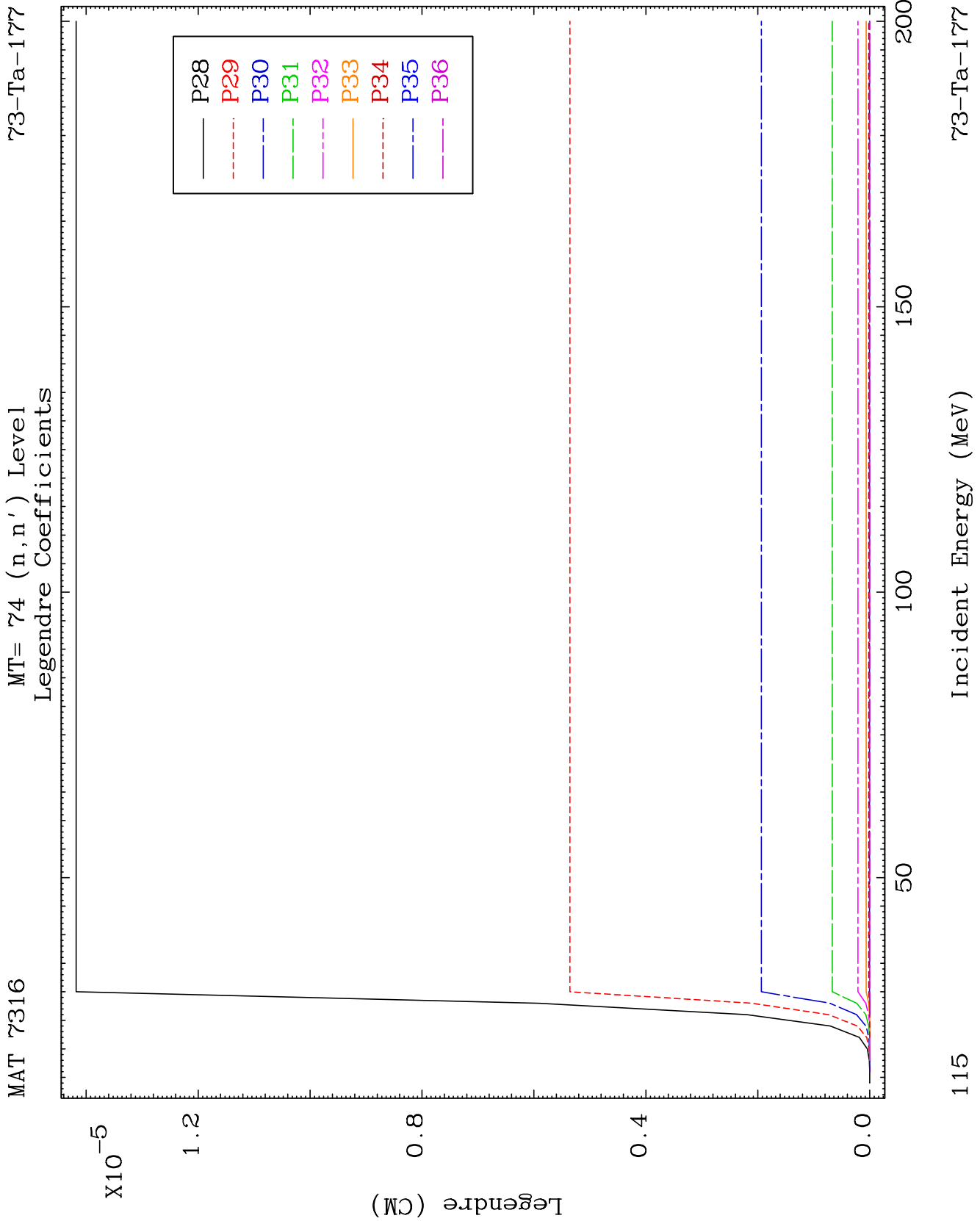


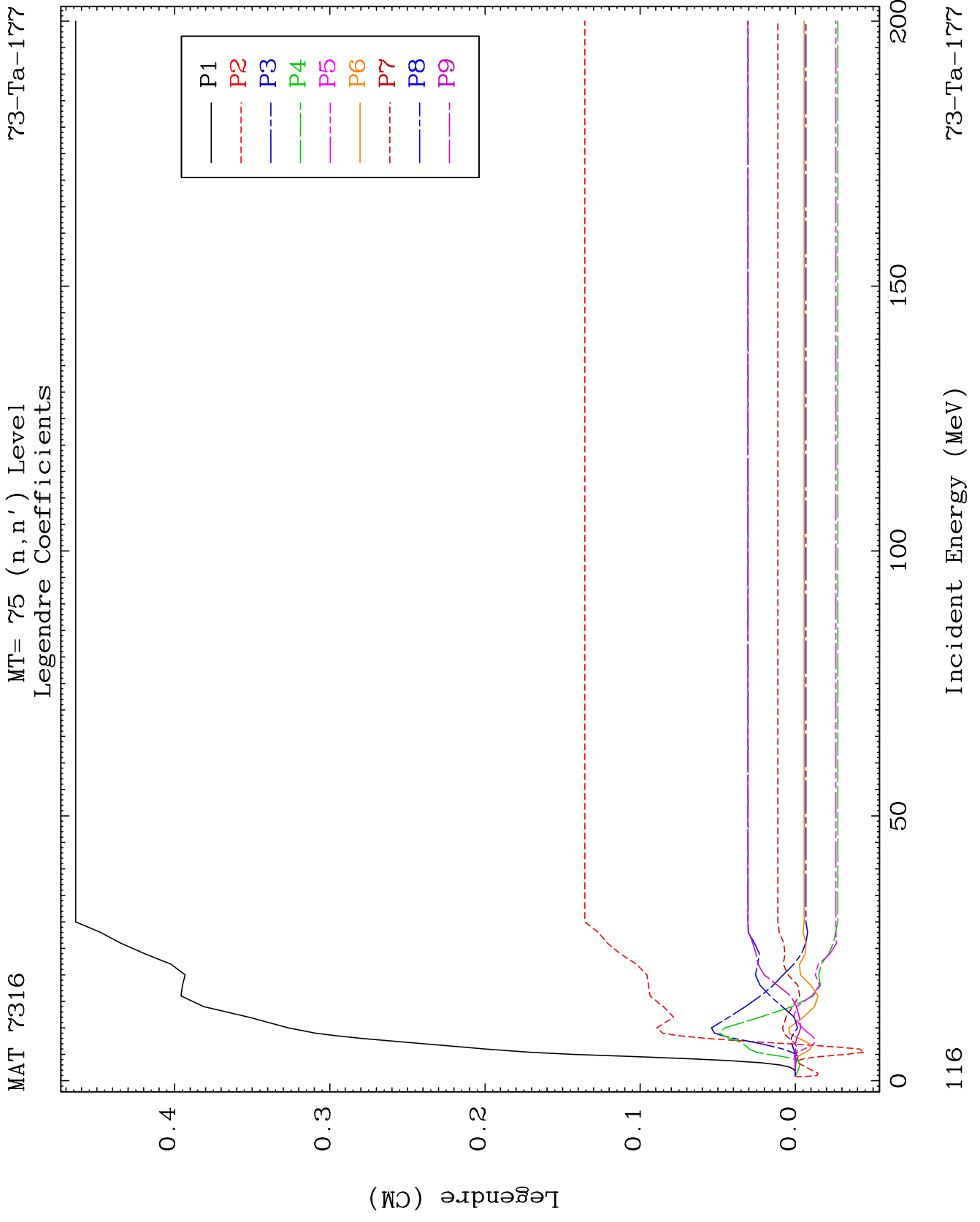


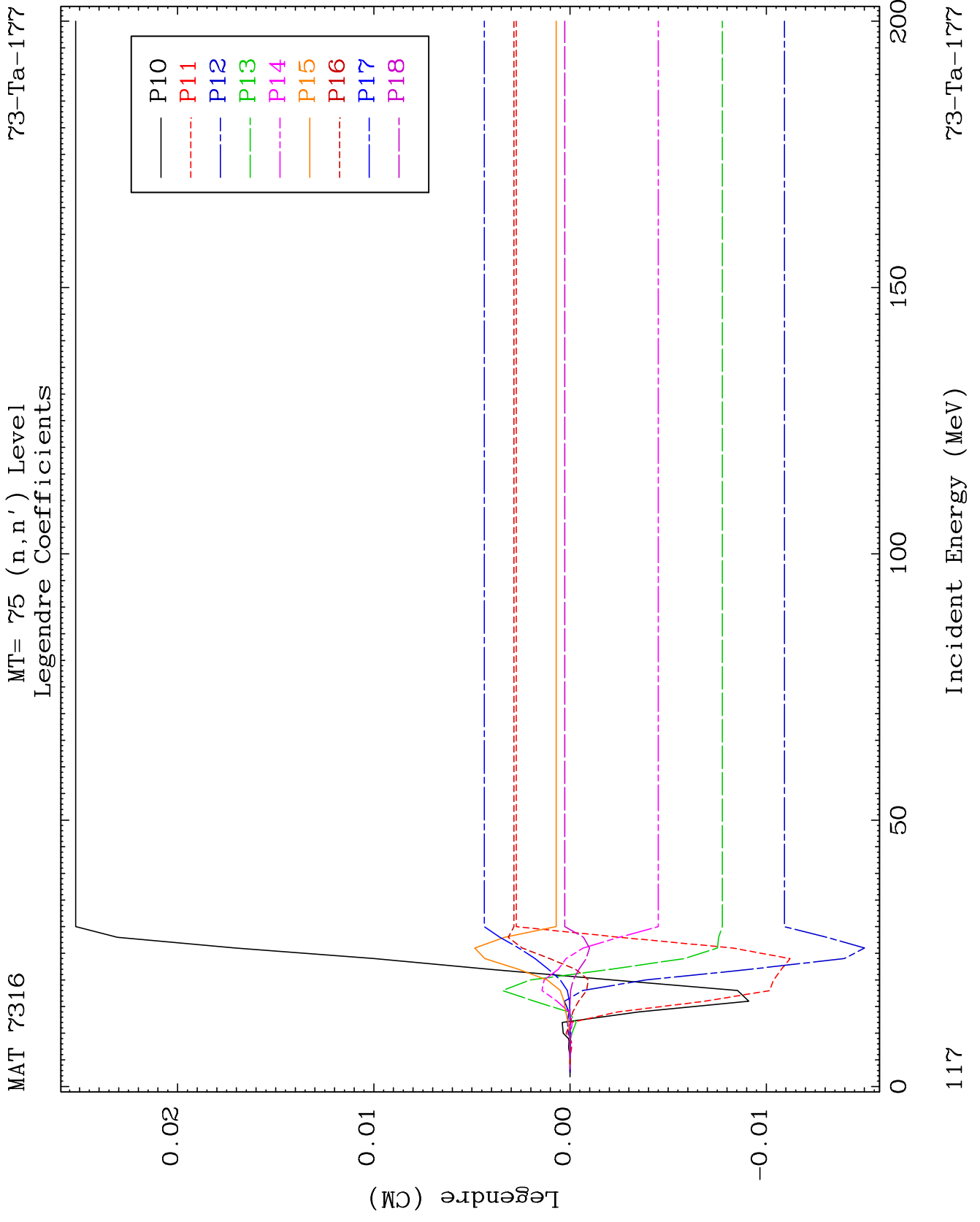








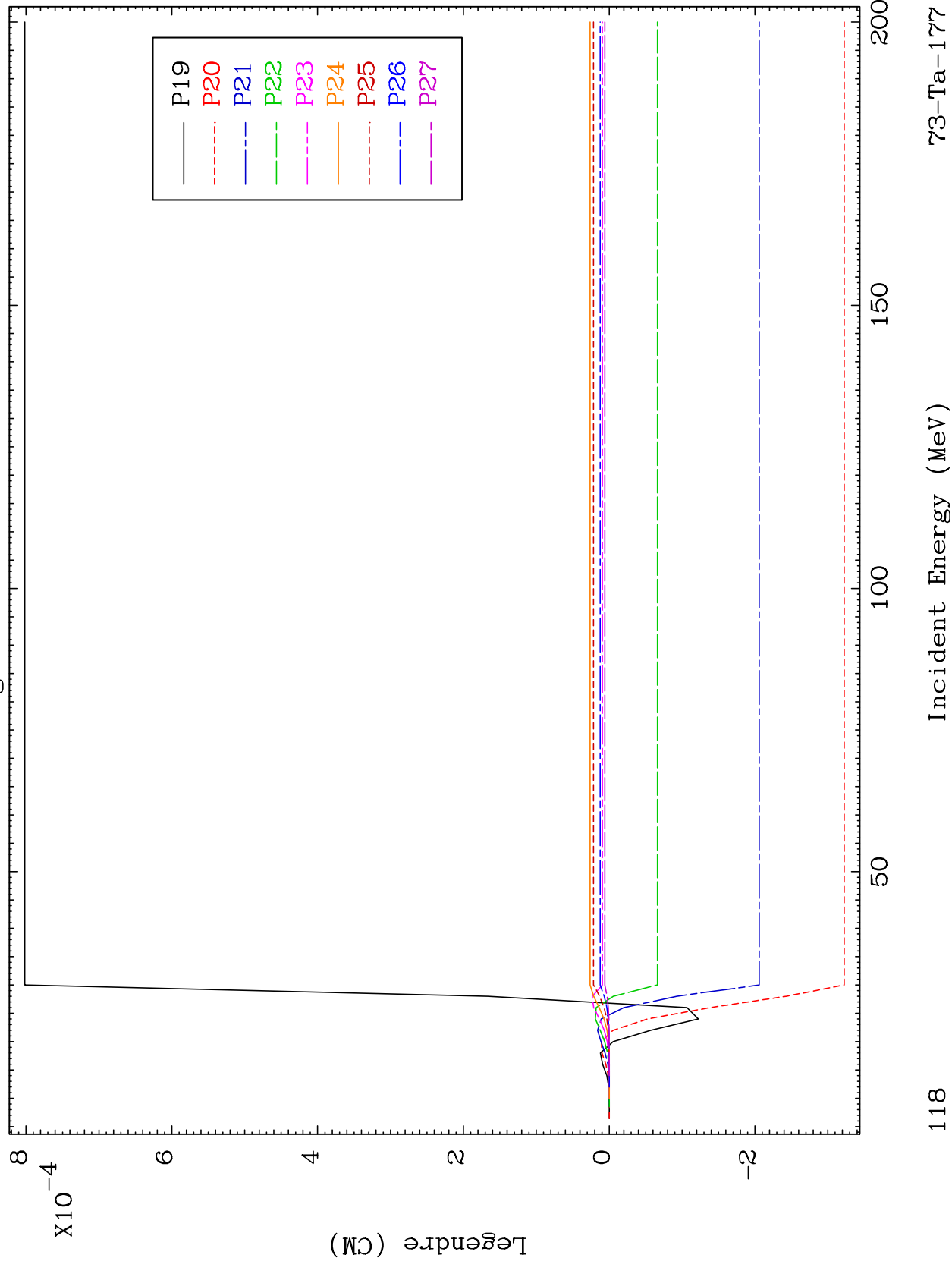




MAT 7316

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

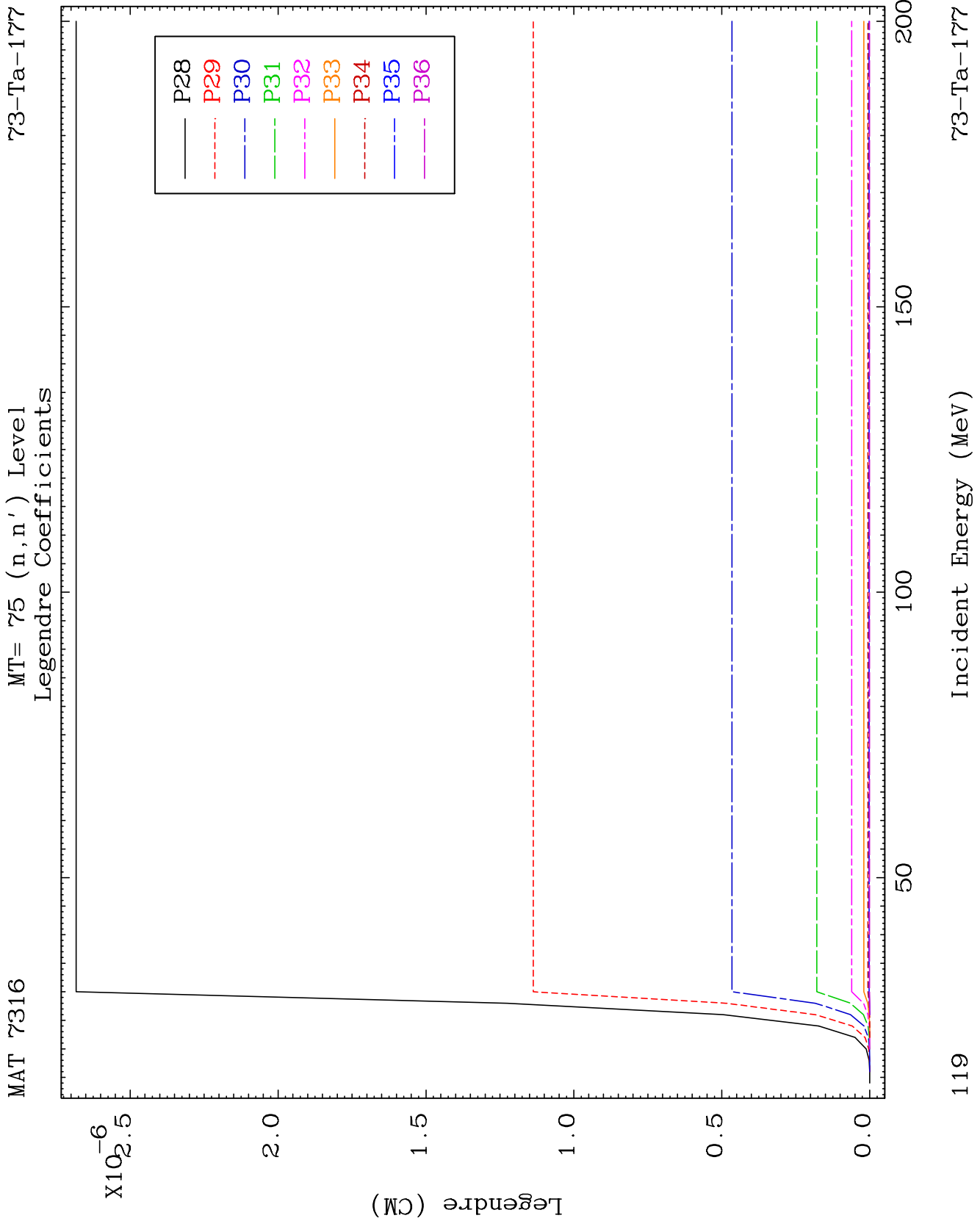
73-Ta-177

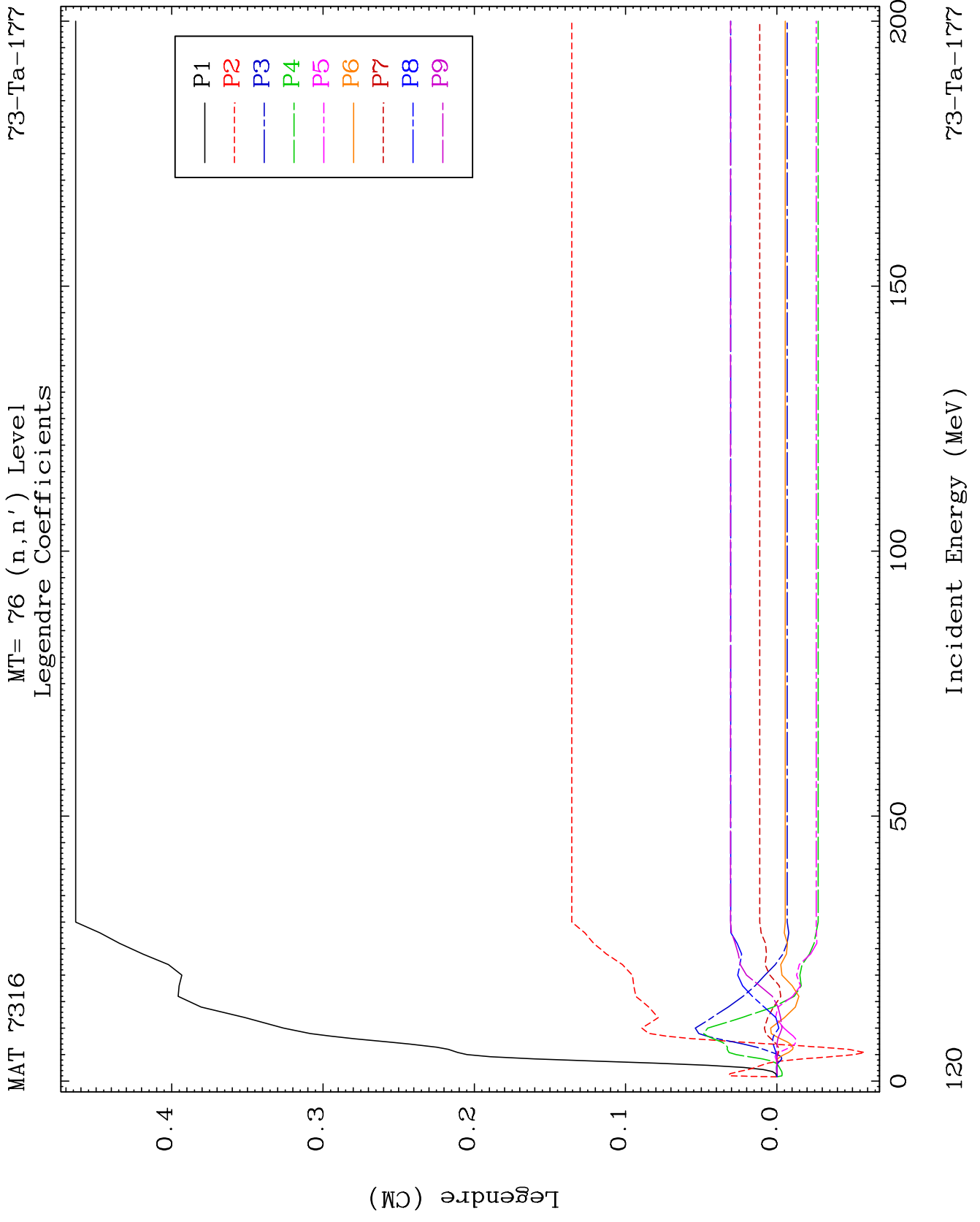


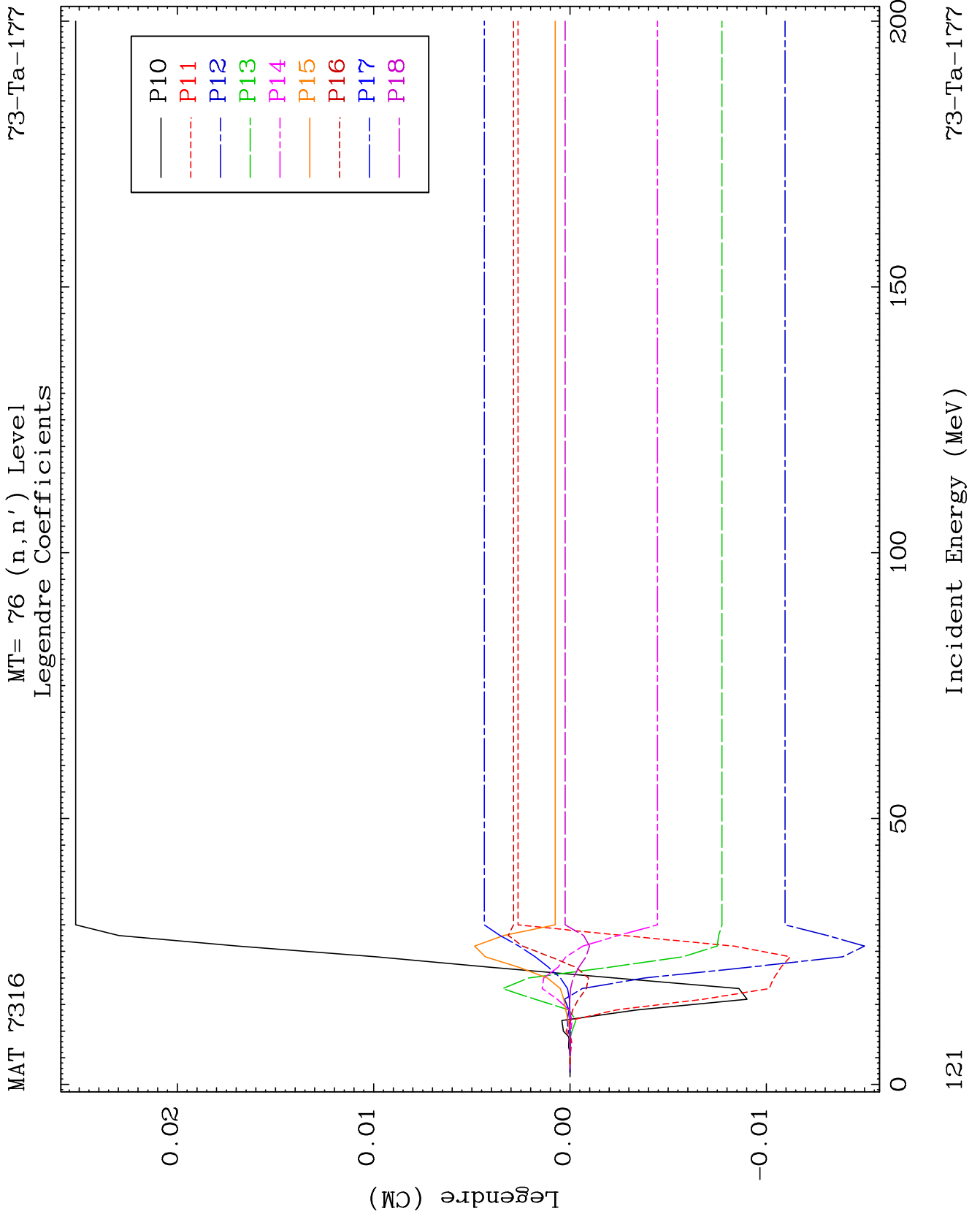
118

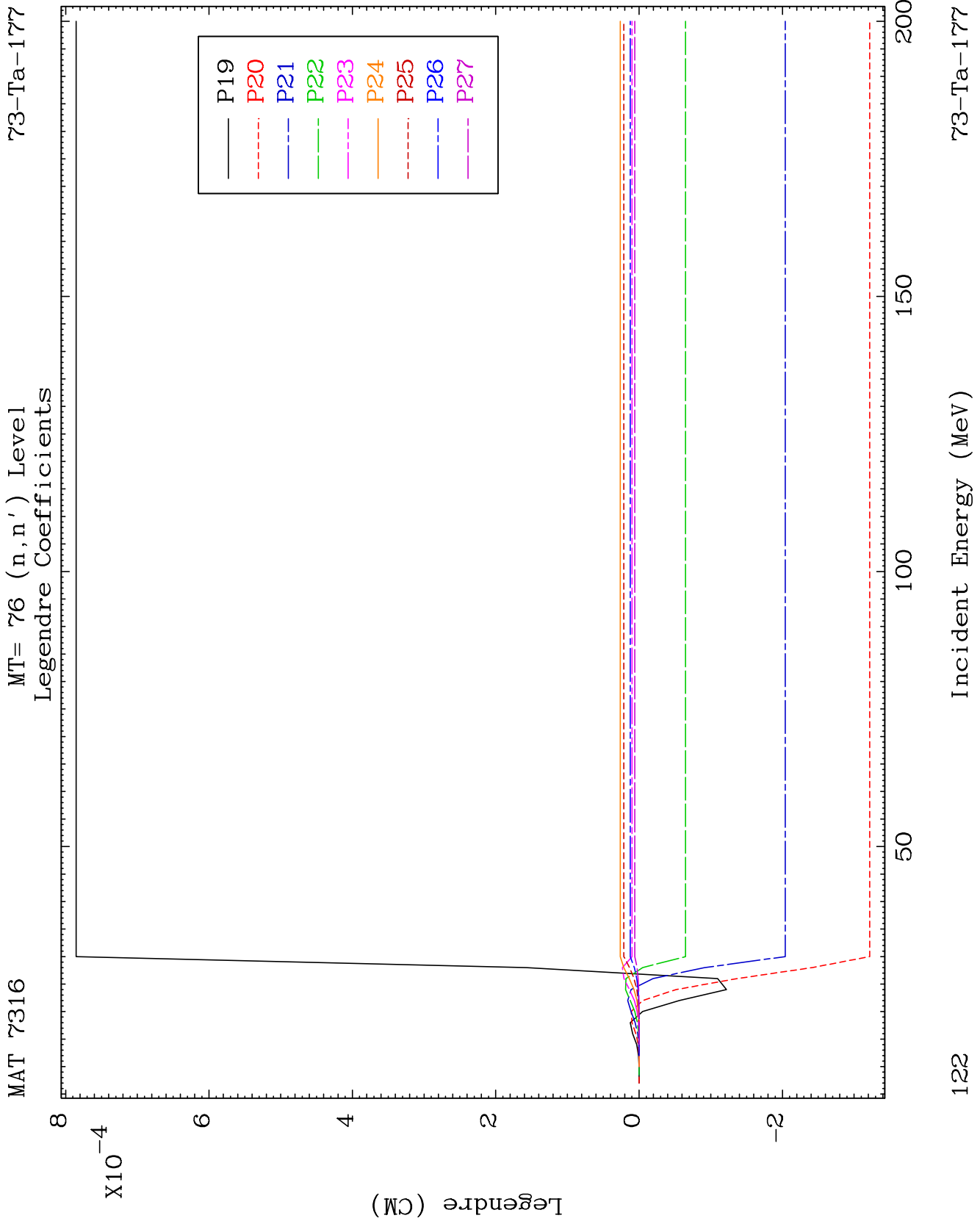
Incident Energy (MeV)

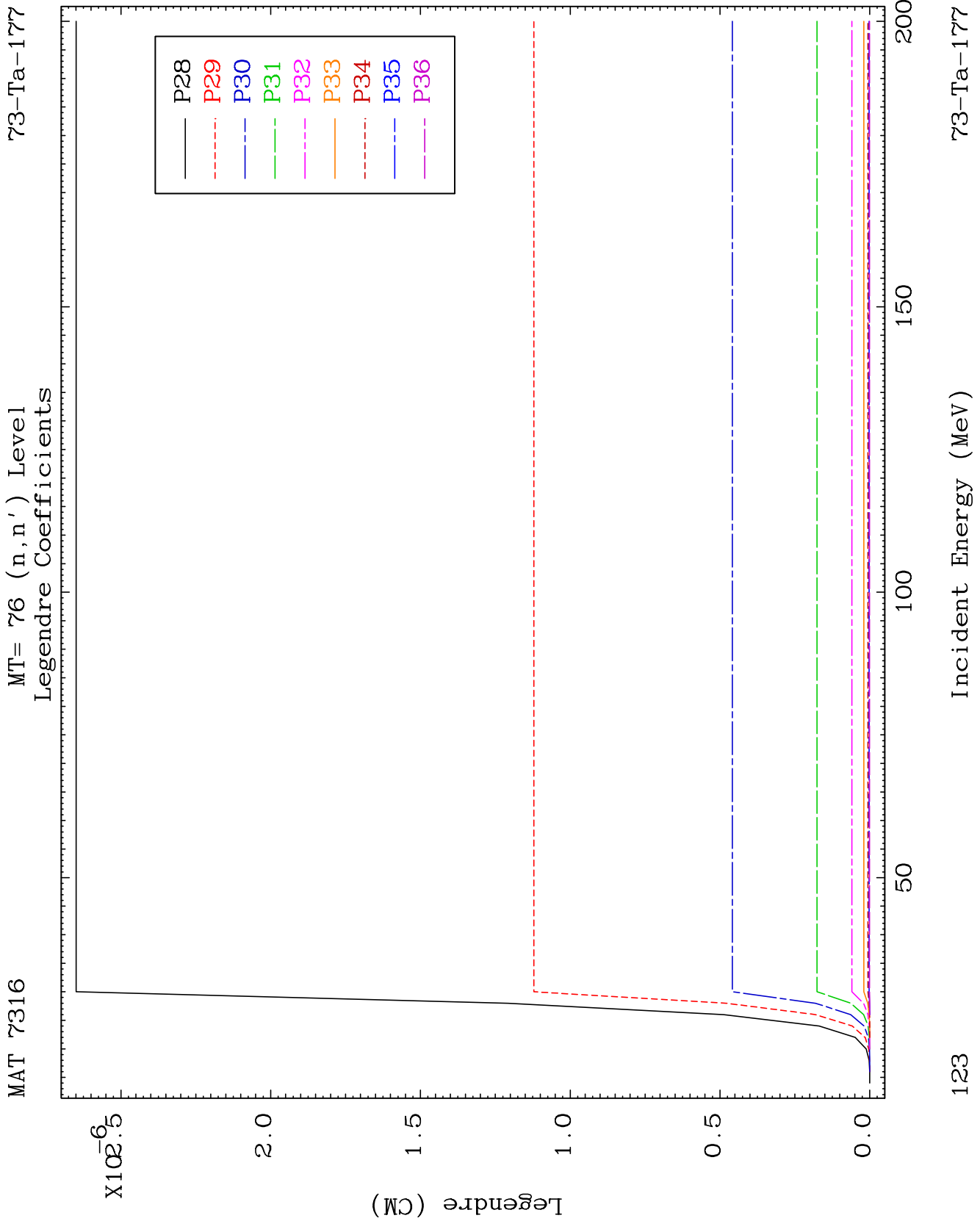
73-Ta-177







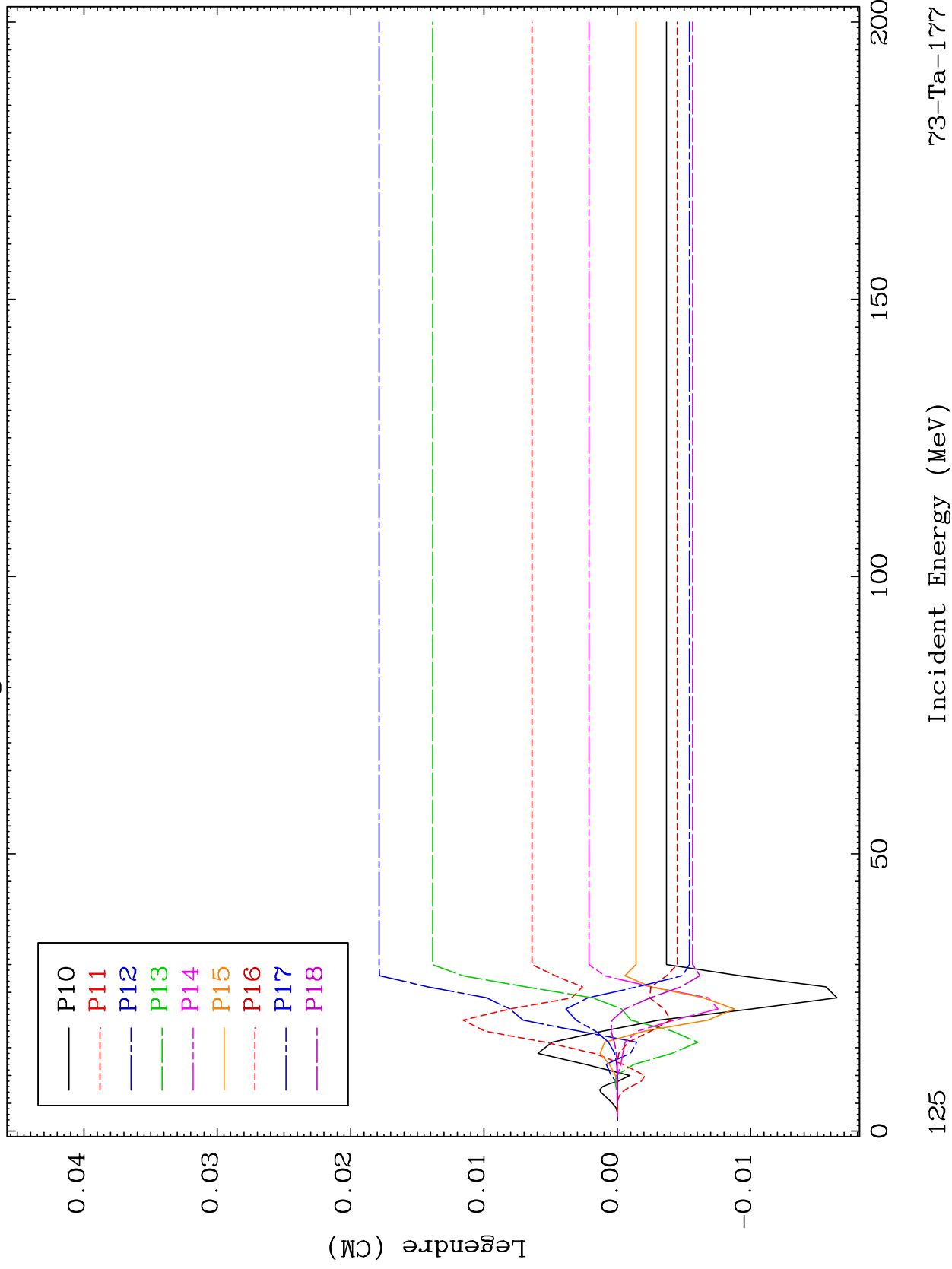


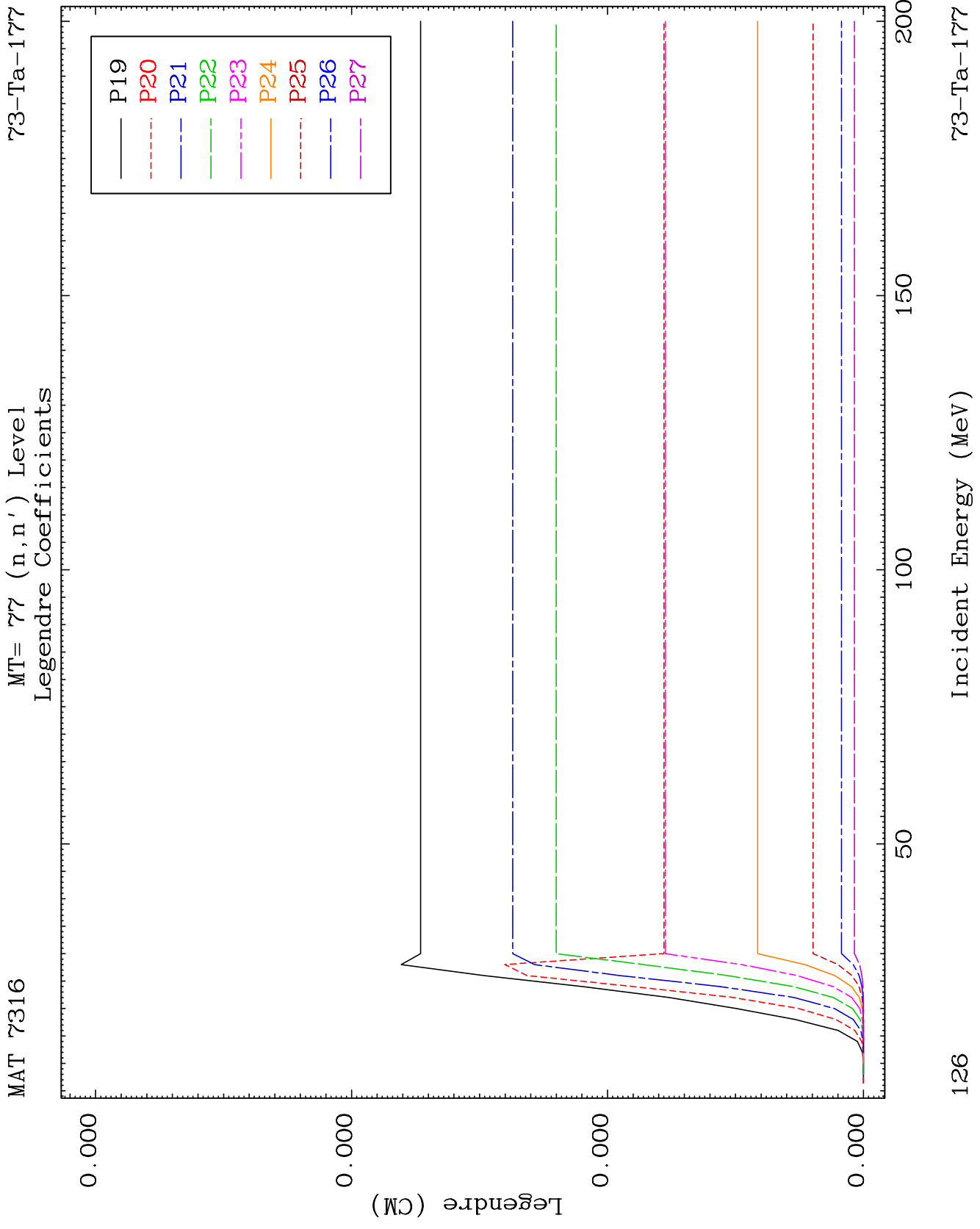


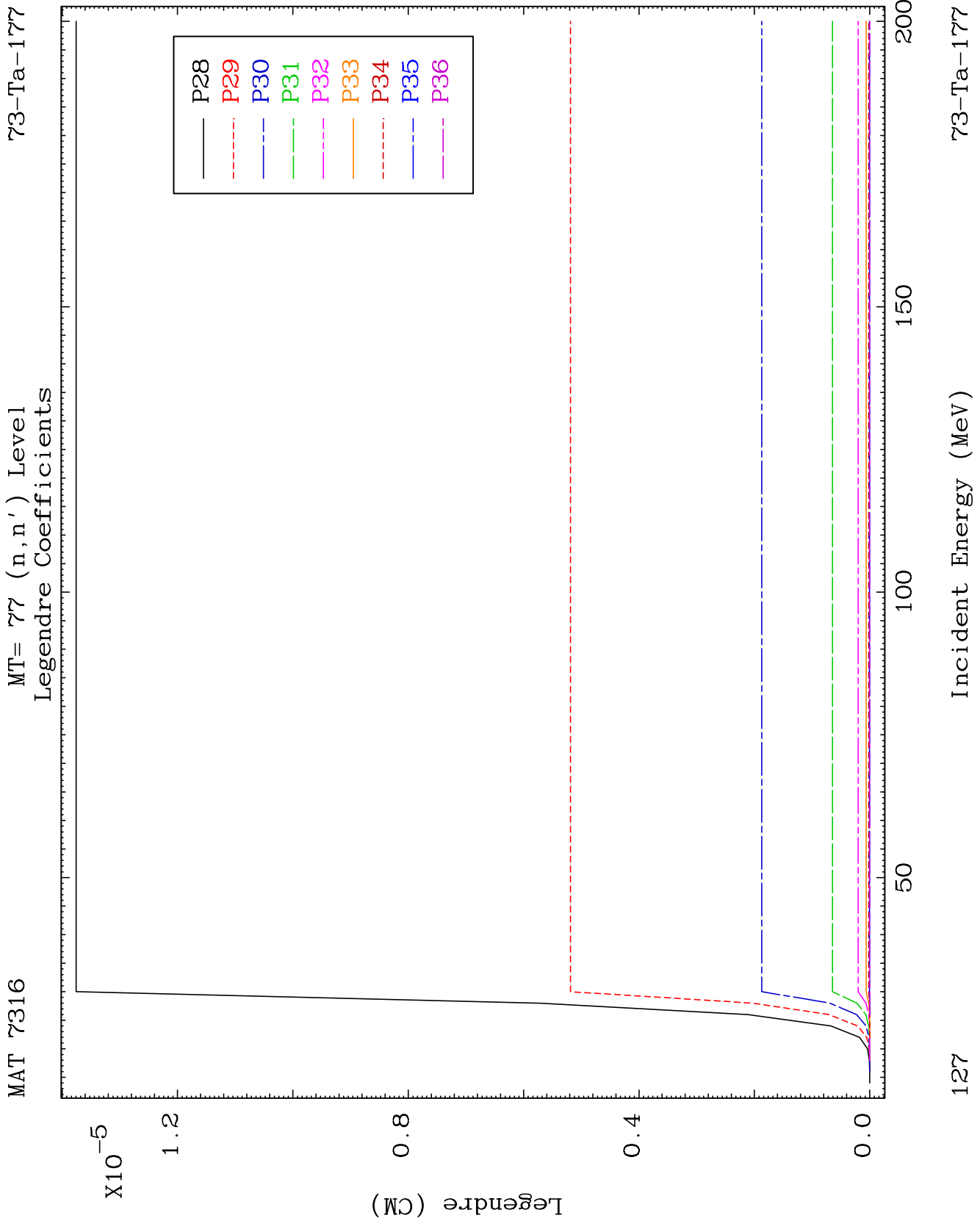
MAT 7316

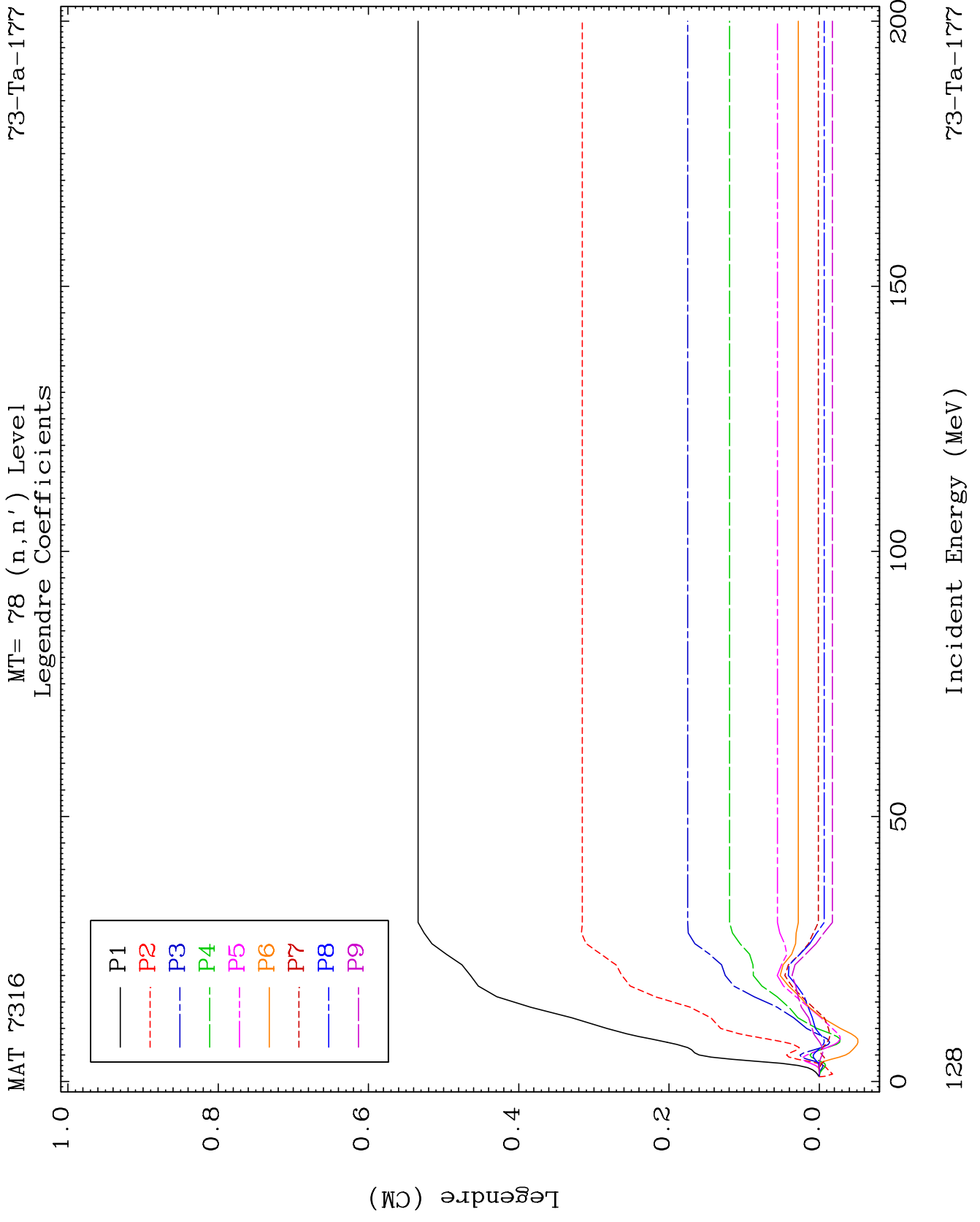
MT= 77 (n,n') Level
Legendre Coefficients

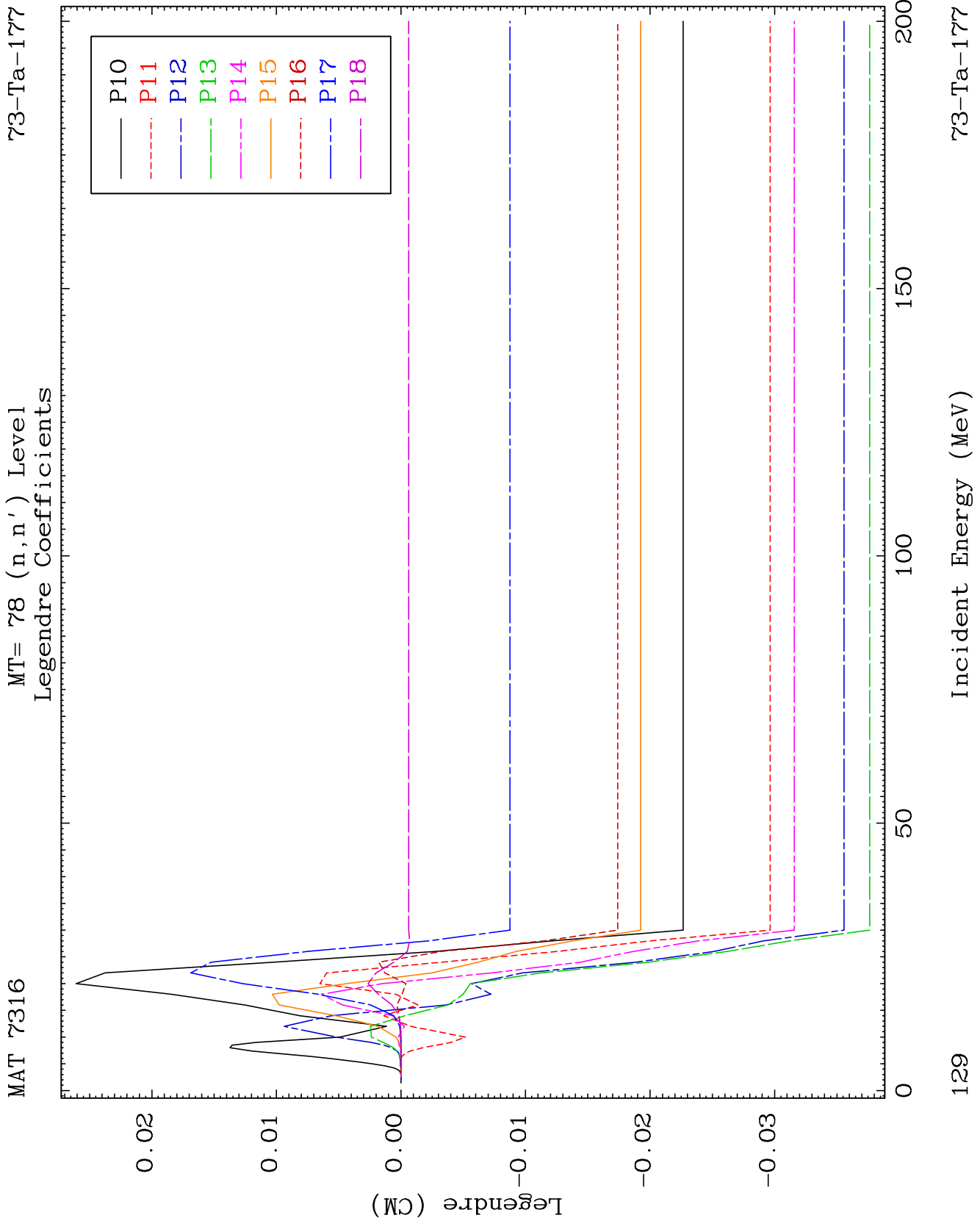
73-Ta-177

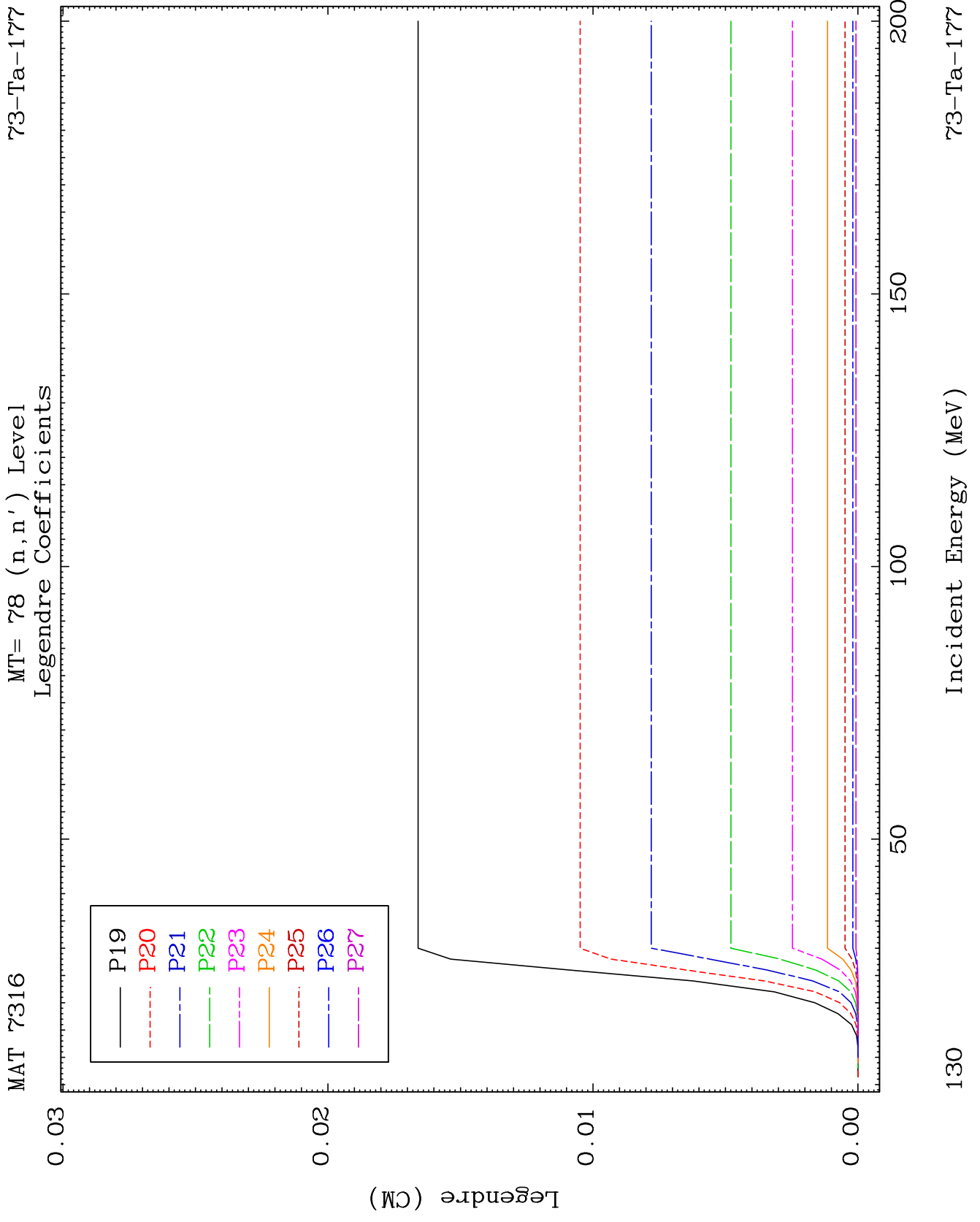


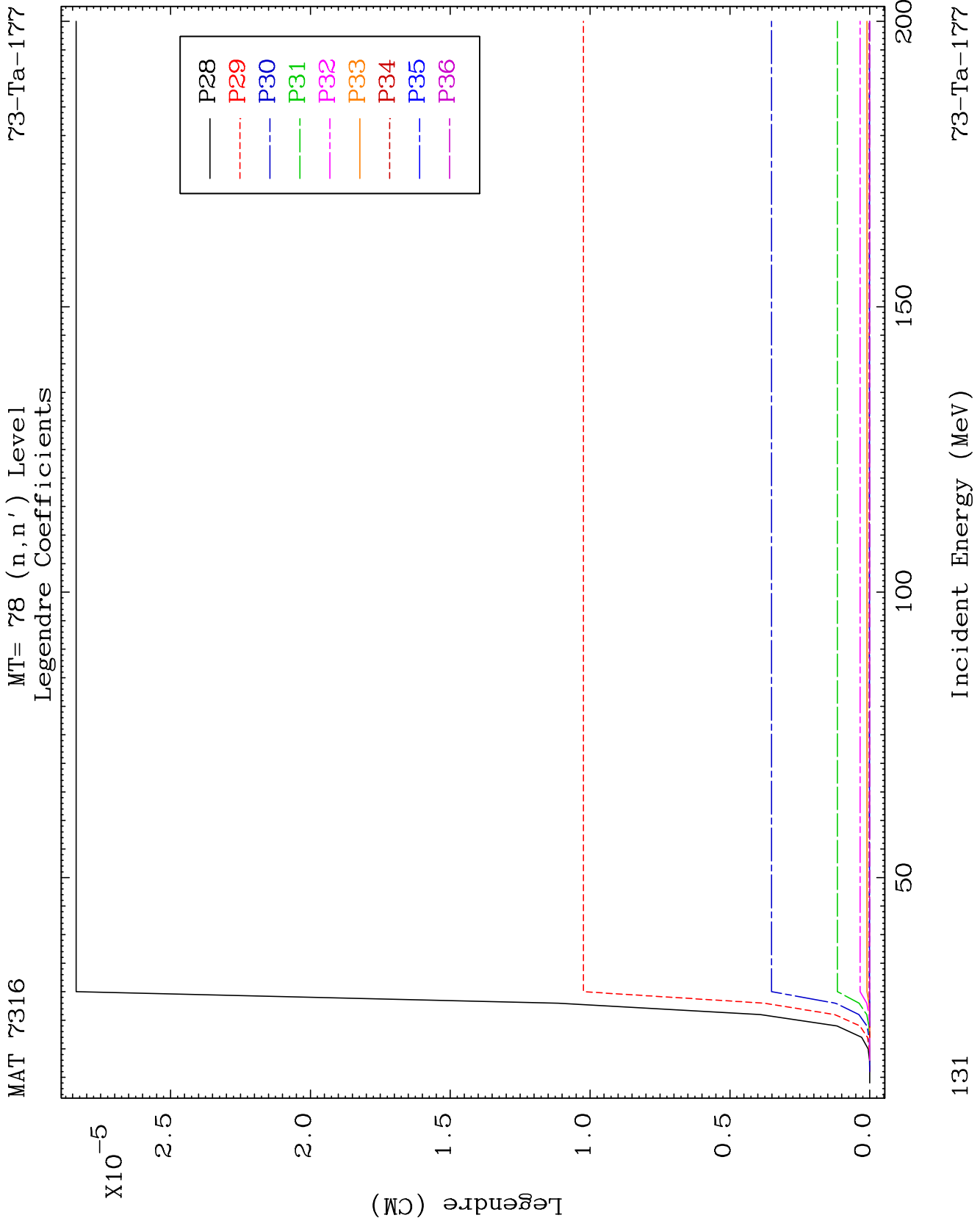


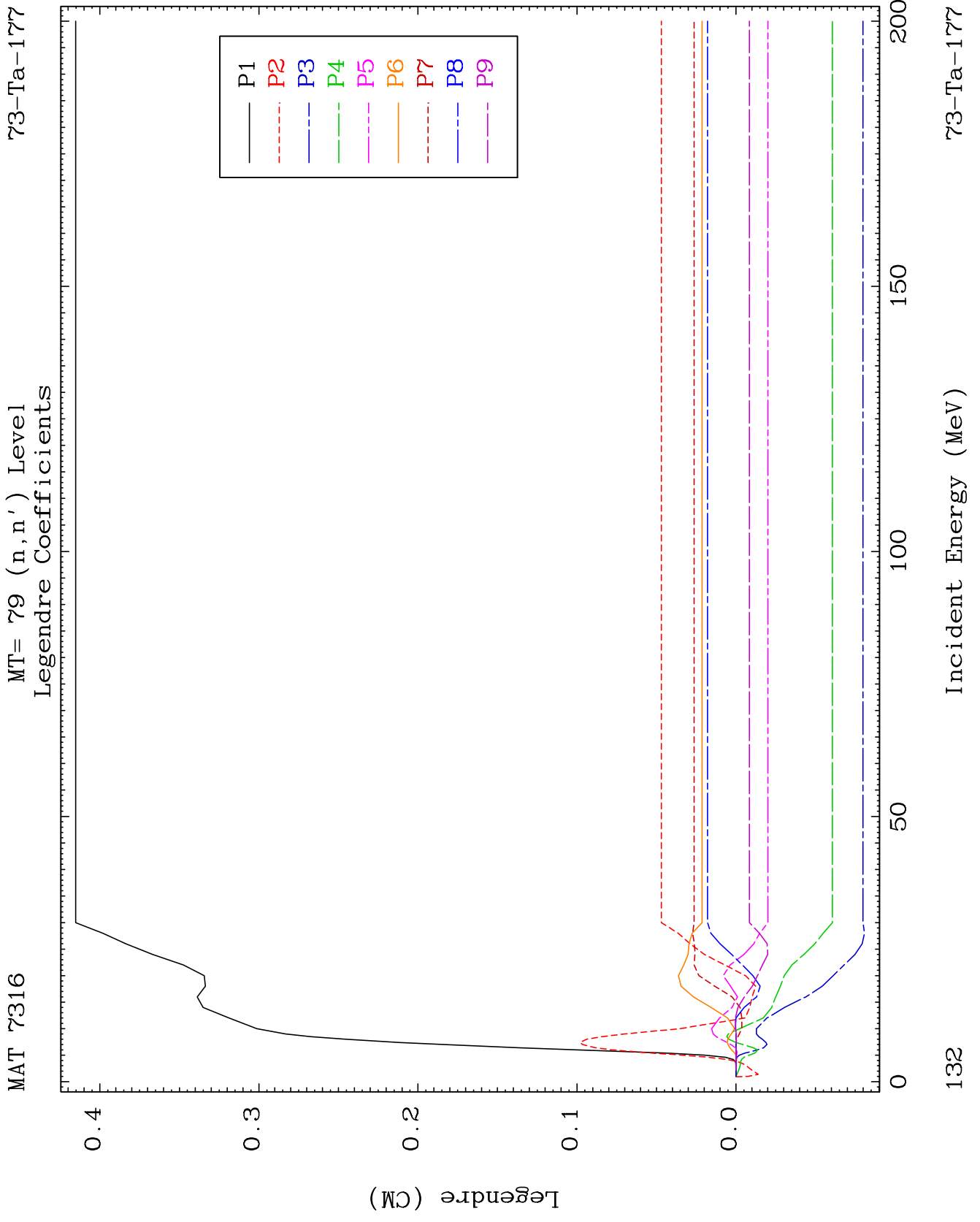


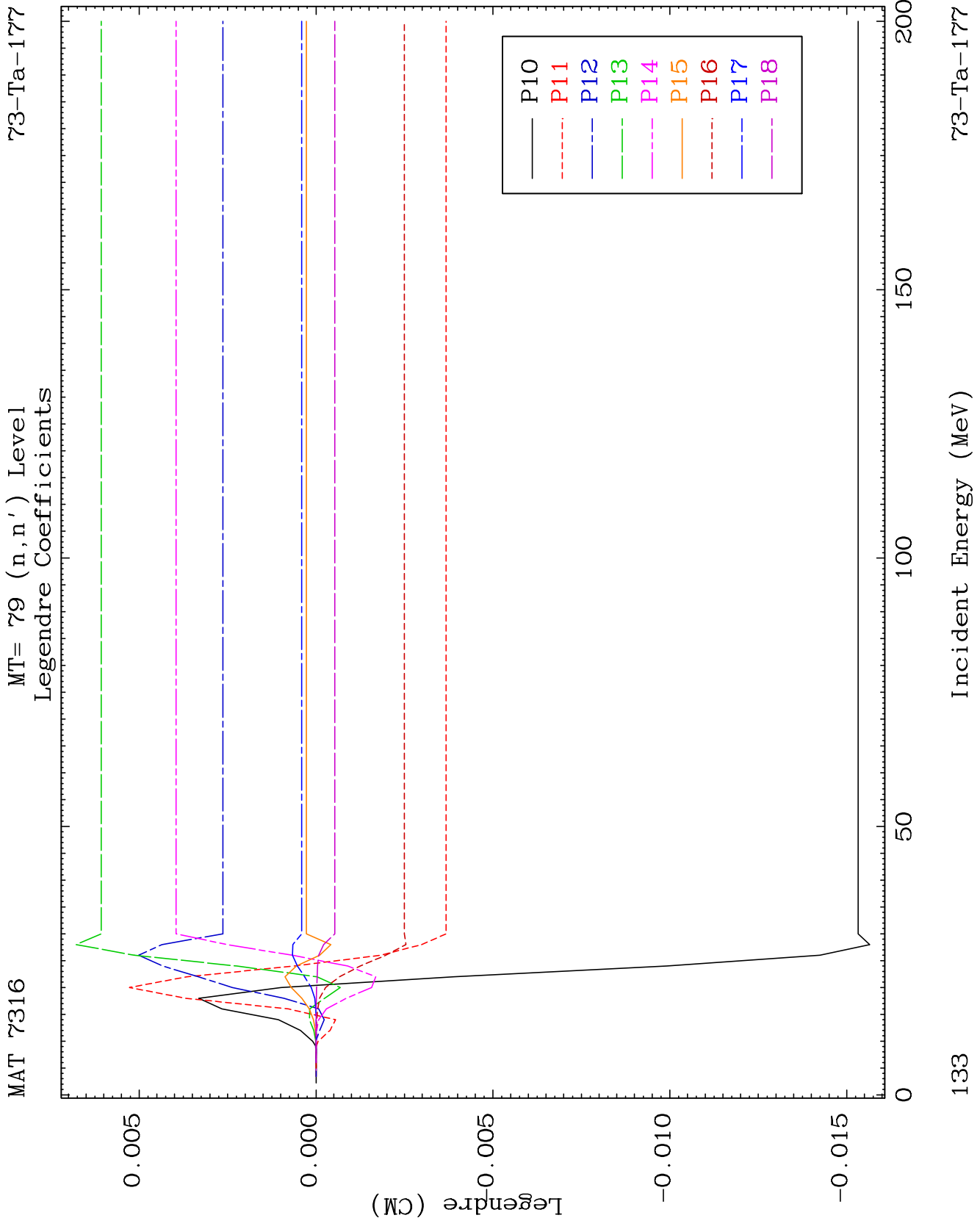


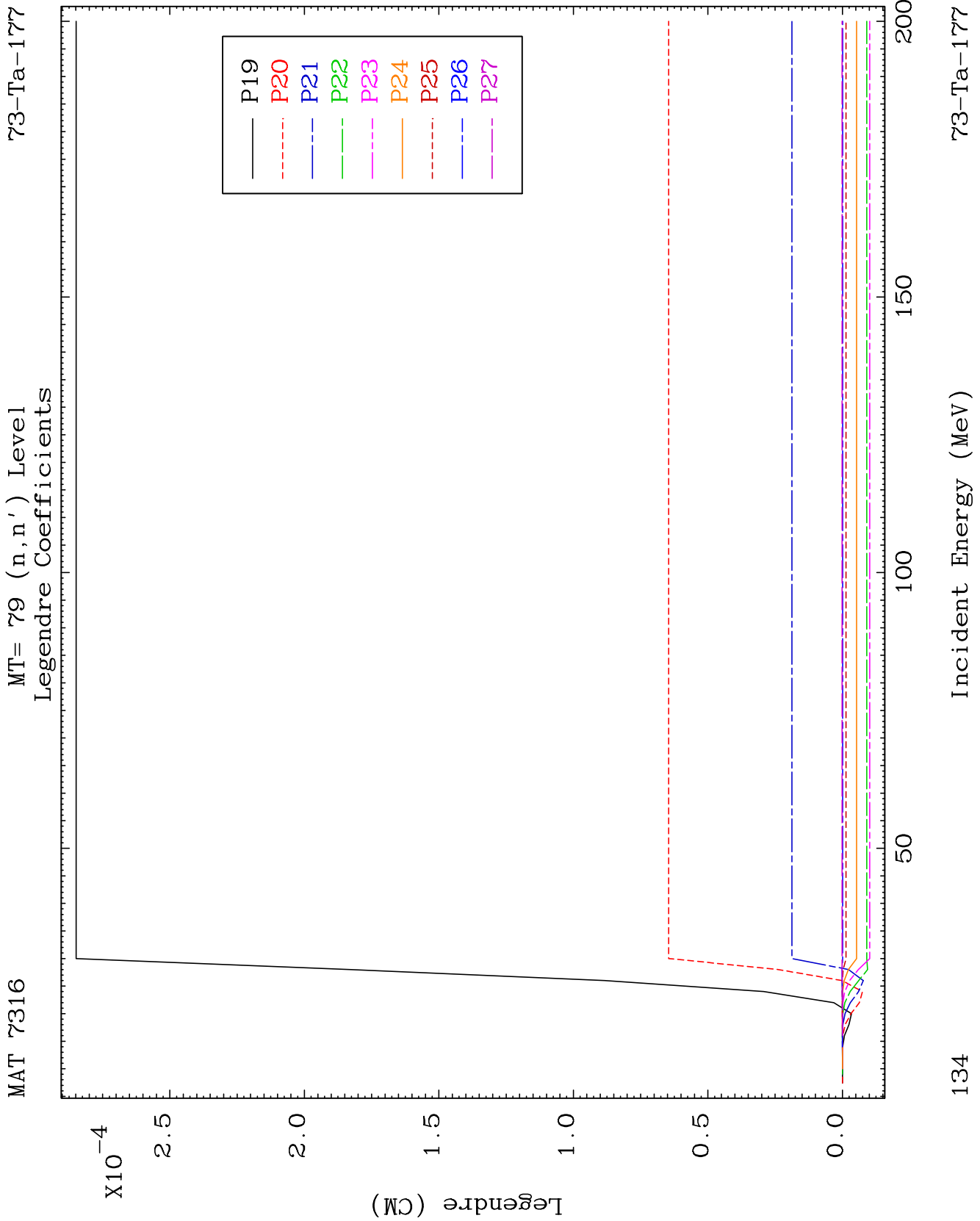








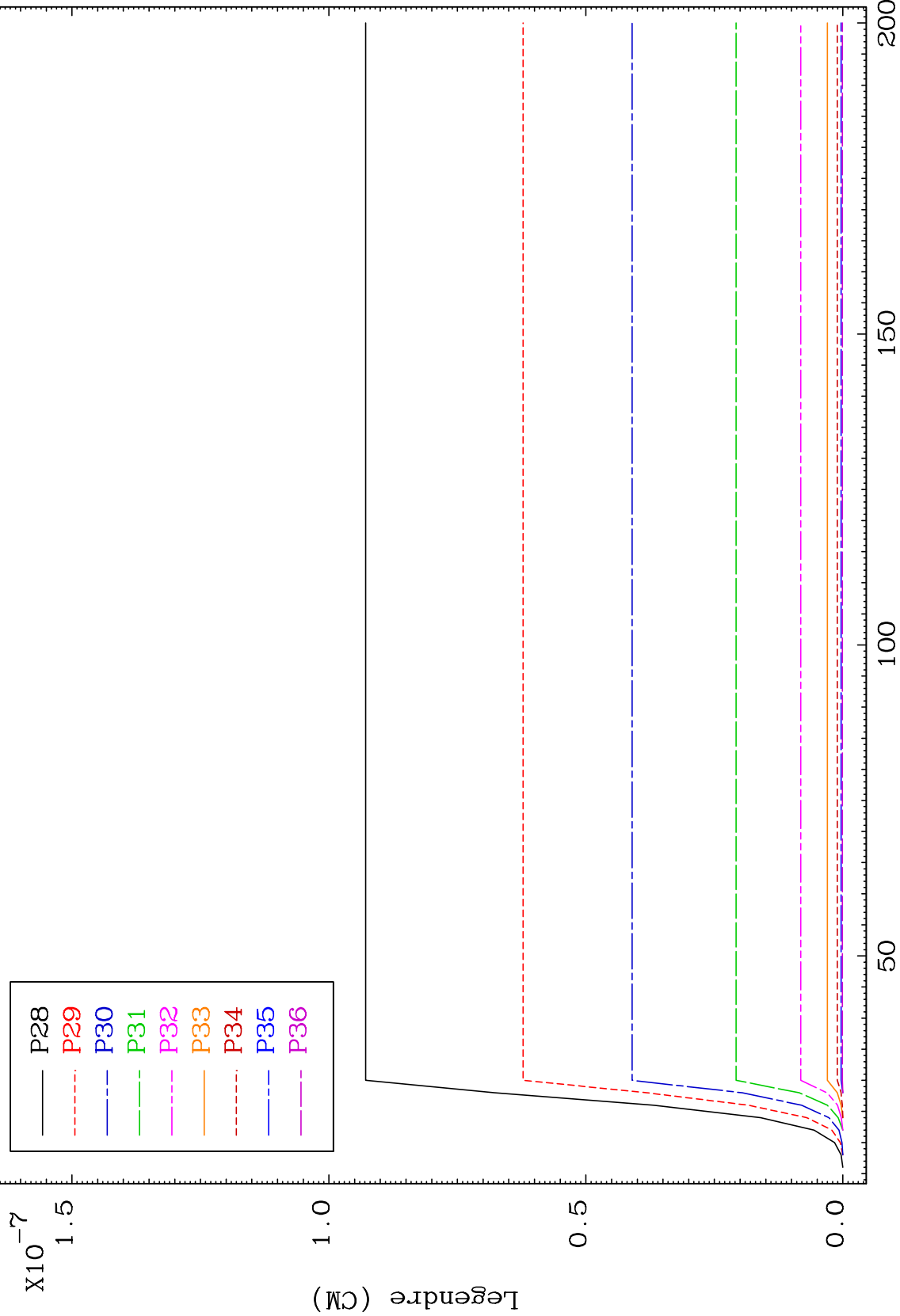
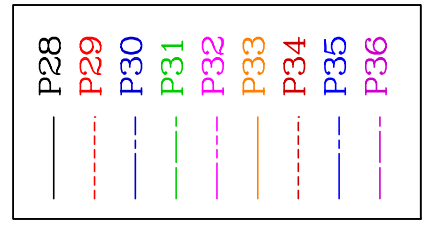




MAT 7316

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

⁷³Ta-177



135

Incident Energy (MeV)

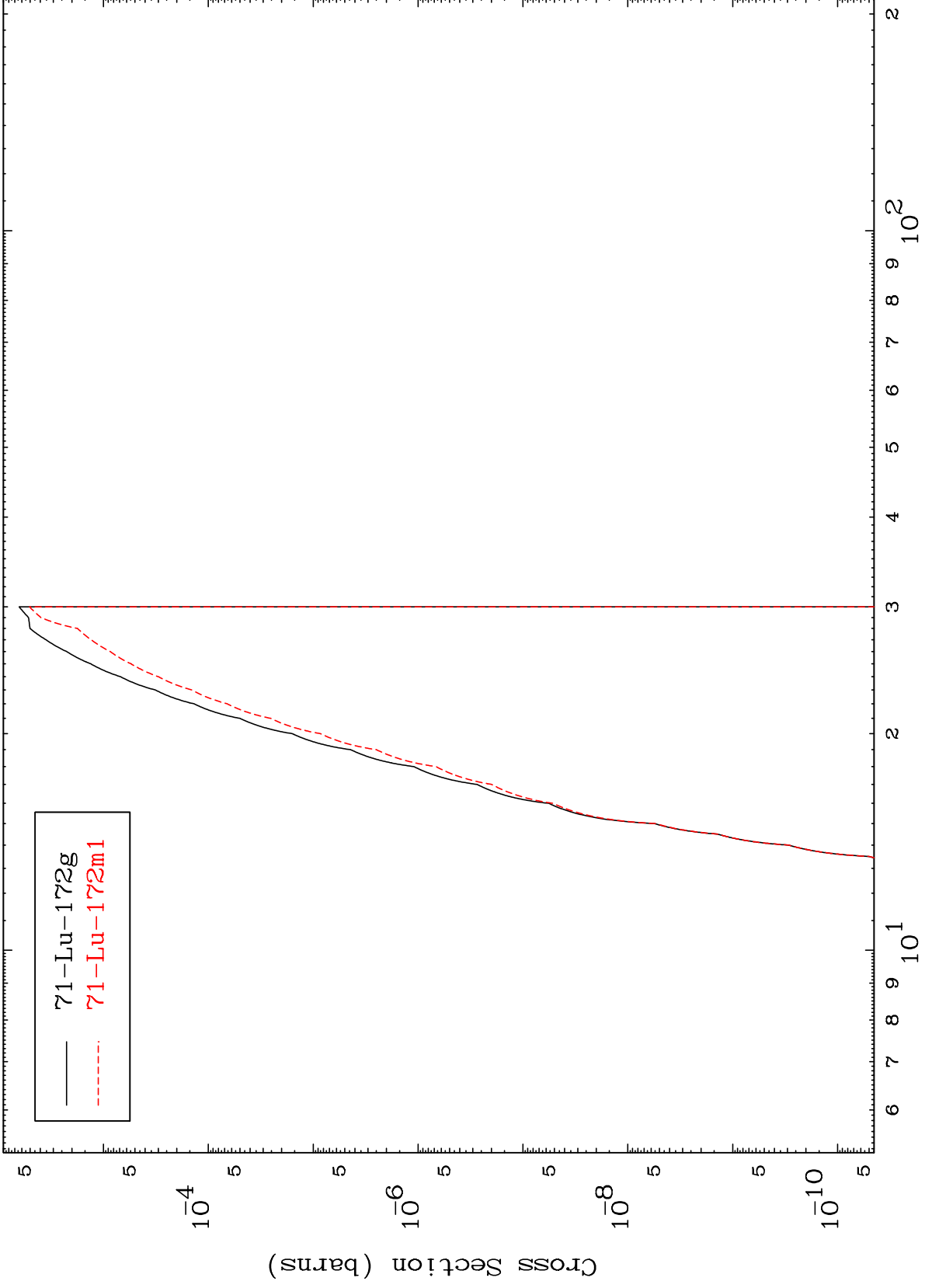
⁷³Ta-177

MAT 7316

$(n, 2n) \alpha$

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

Radionuclide Production Cross Section



136

Incident Energy (MeV)

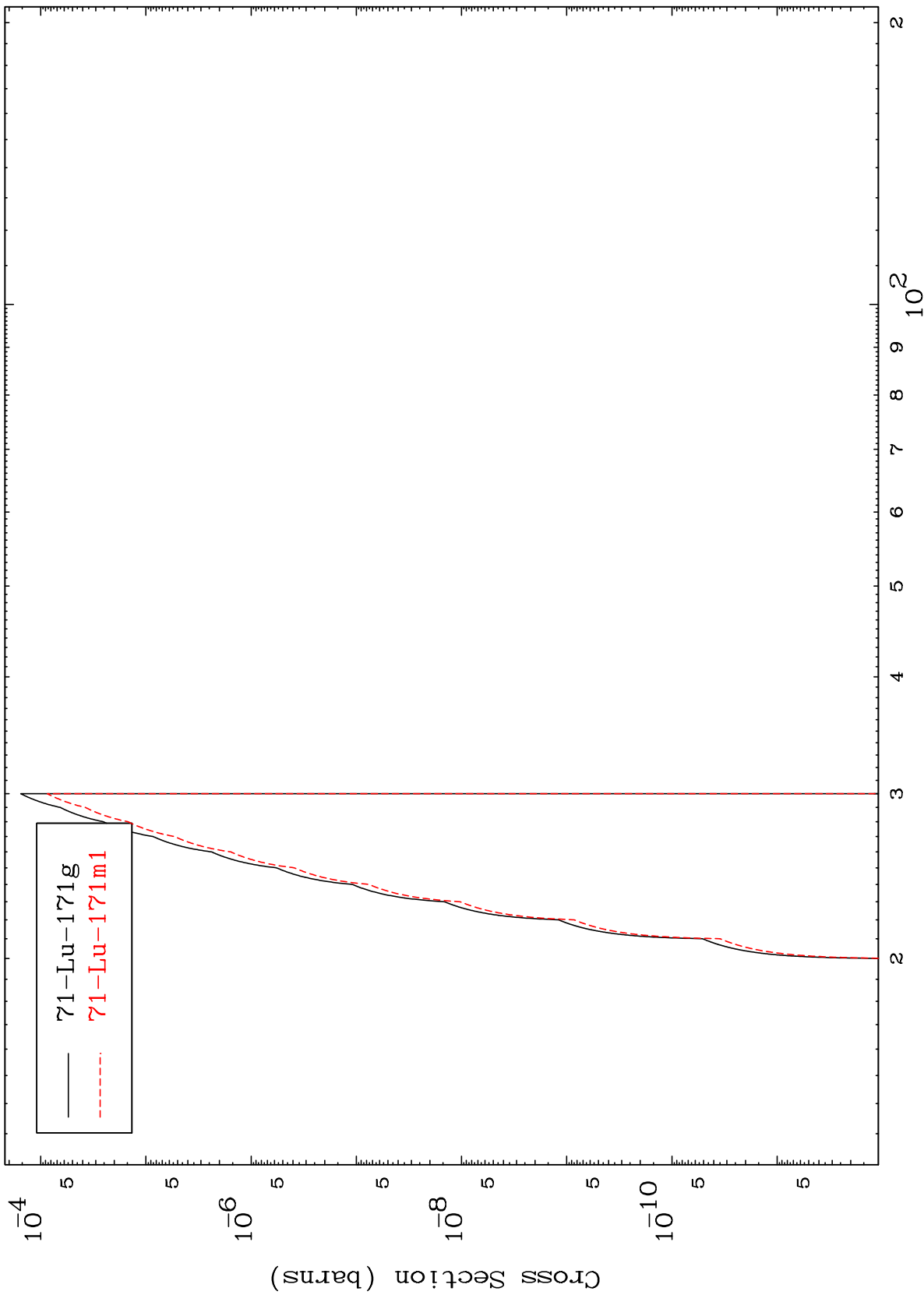
$^{73}\text{Ta-177}$

MAT 7316

(n,3n) α

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

Radionuclide Production Cross Section



137

Incident Energy (MeV)

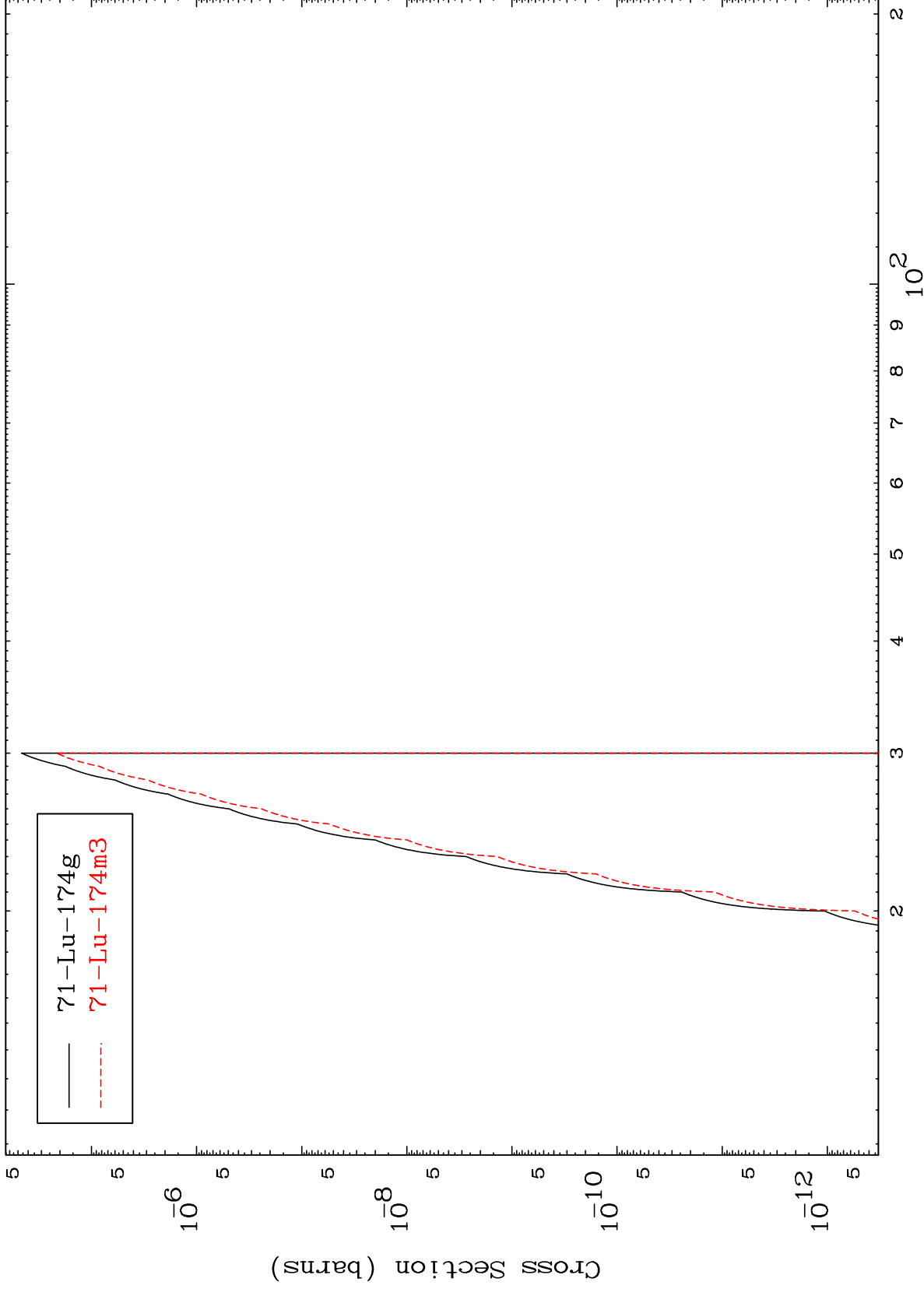
$^{73}\text{Ta-177}$

MAT 7316

(n,n') He-3

73-Ta-177

Radionuclide Production Cross Section



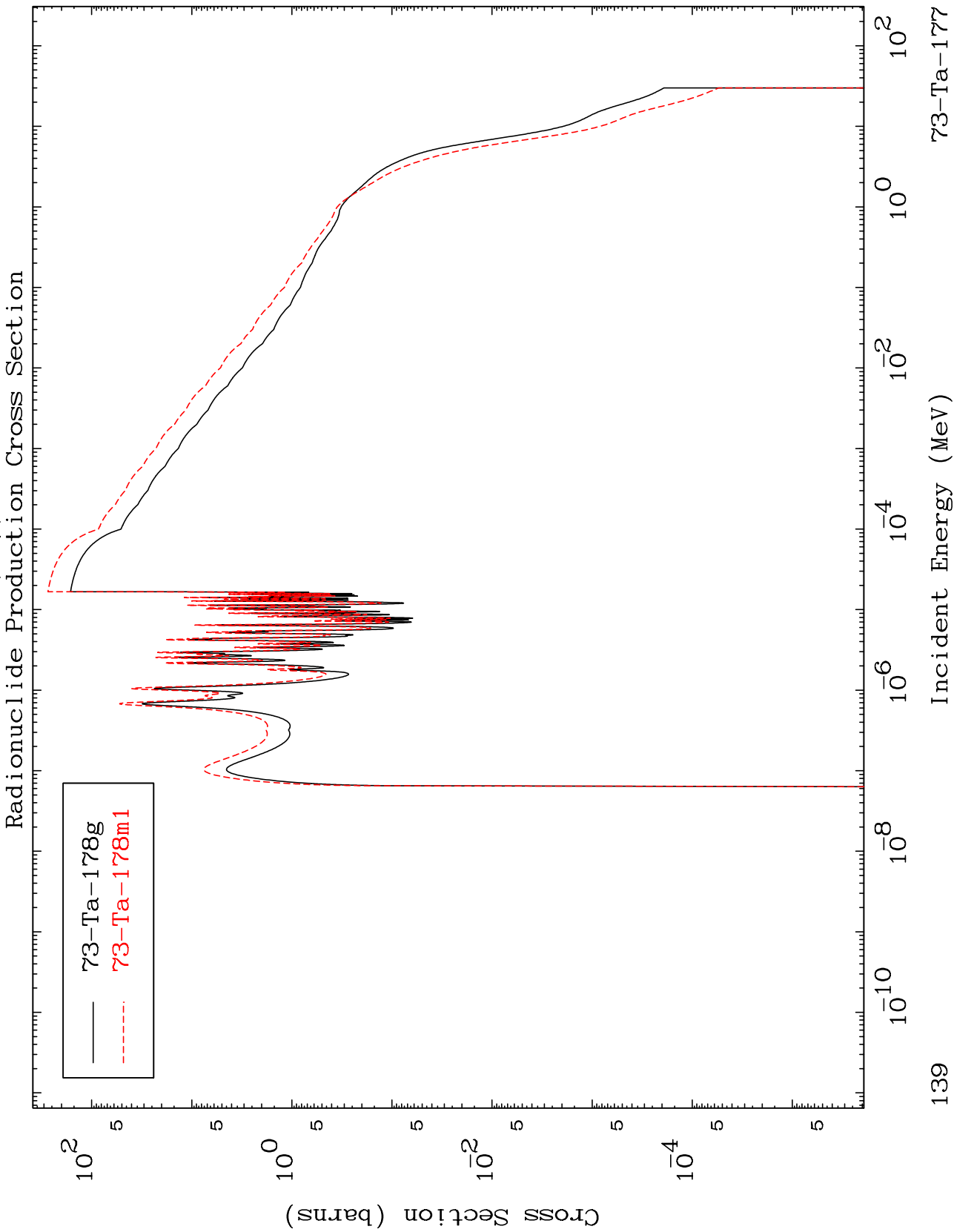
138

Incident Energy (MeV)

73-Ta-177

MAT 7316

⁷³Ta-177



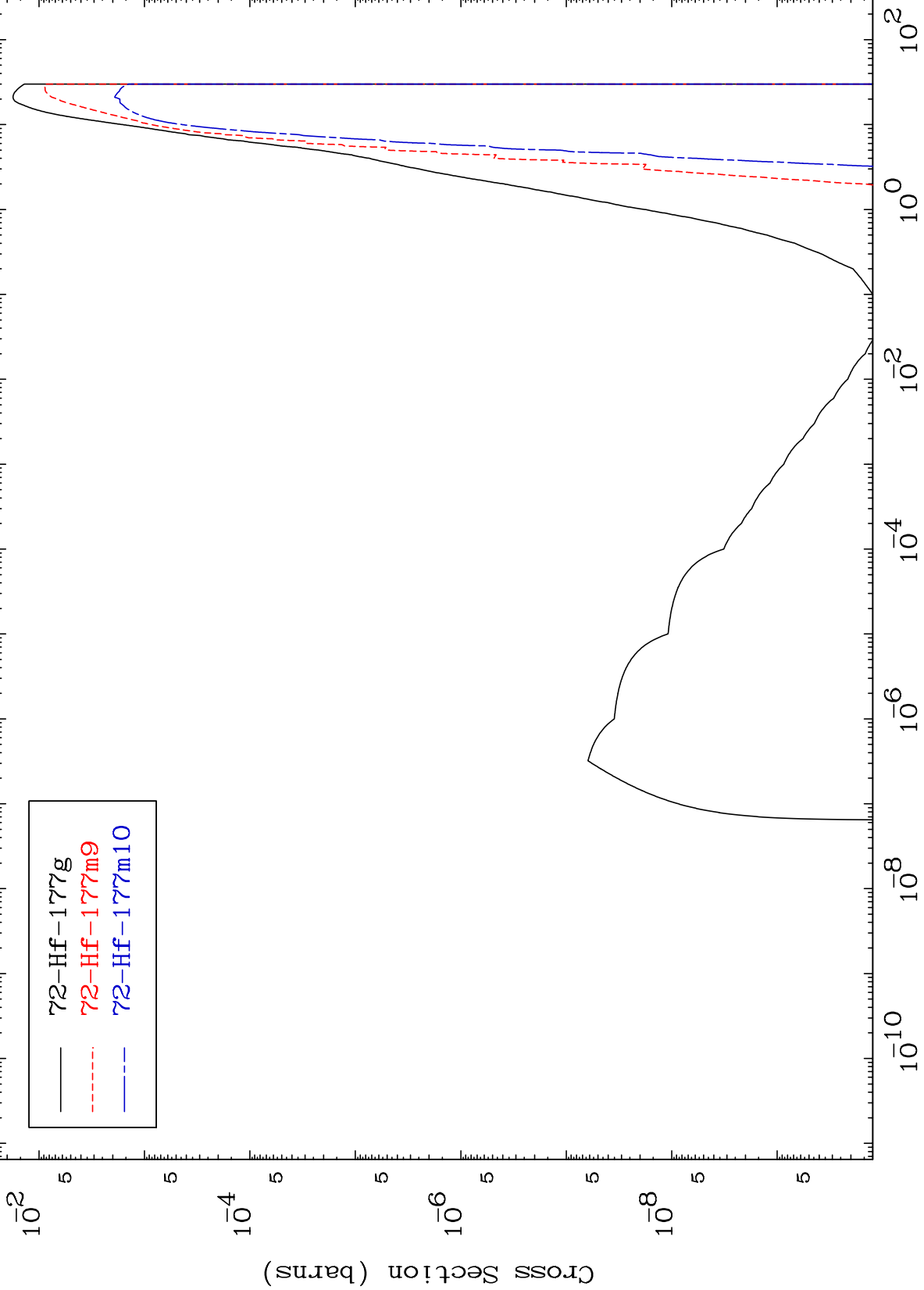
139

MAT 7316

(n,p)

⁷³Ta-¹⁷⁷

Radionuclide Production Cross Section



72-Hf-177g
72-Hf-177m9
72-Hf-177m10

140

Incident Energy (MeV)

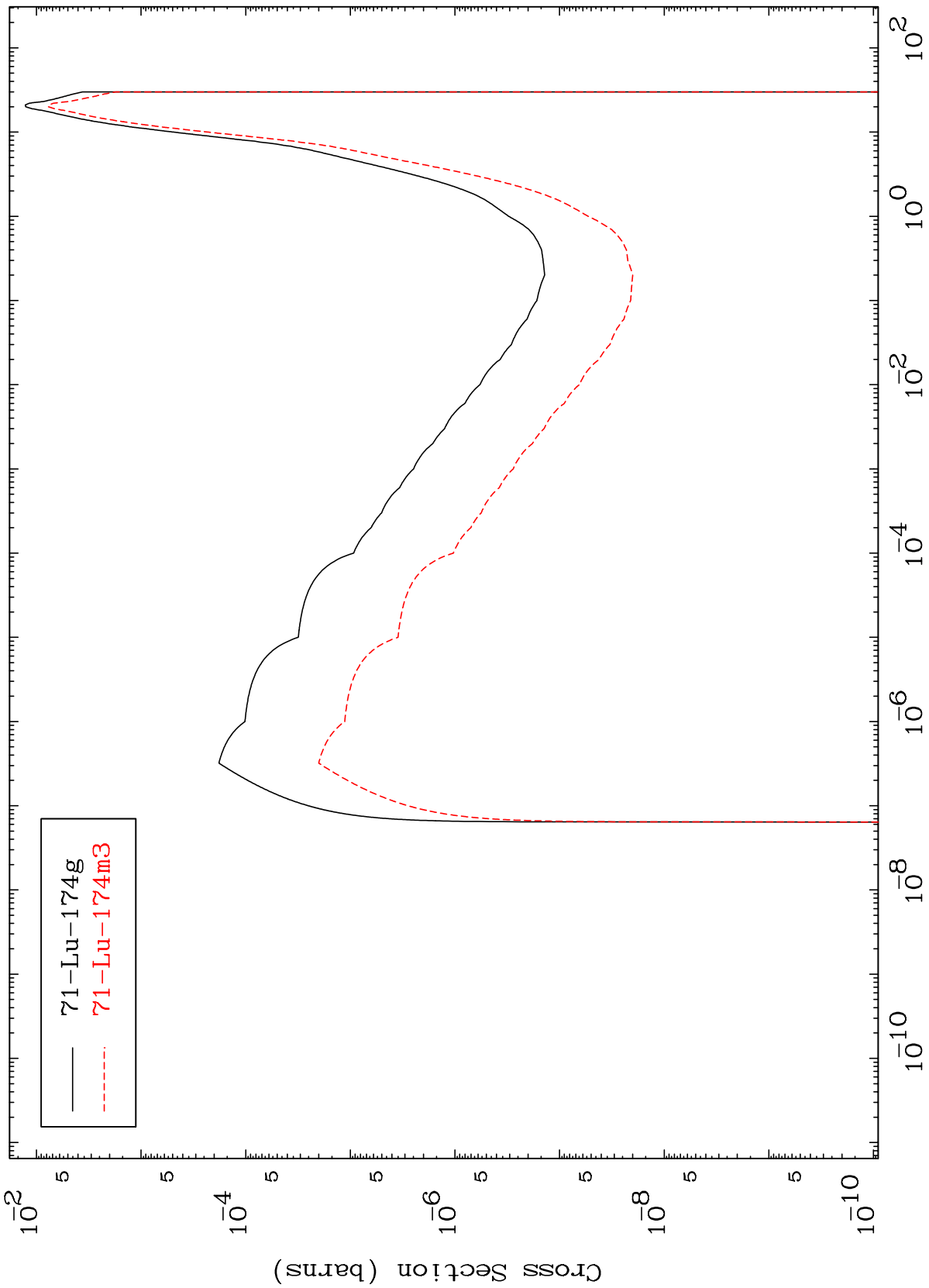
⁷³Ta-¹⁷⁷

MAT 7316

(n, α)

⁷³Ta-177

Radionuclide Production Cross Section



— 71-Lu-174g
- - - 71-Lu-174m3

141

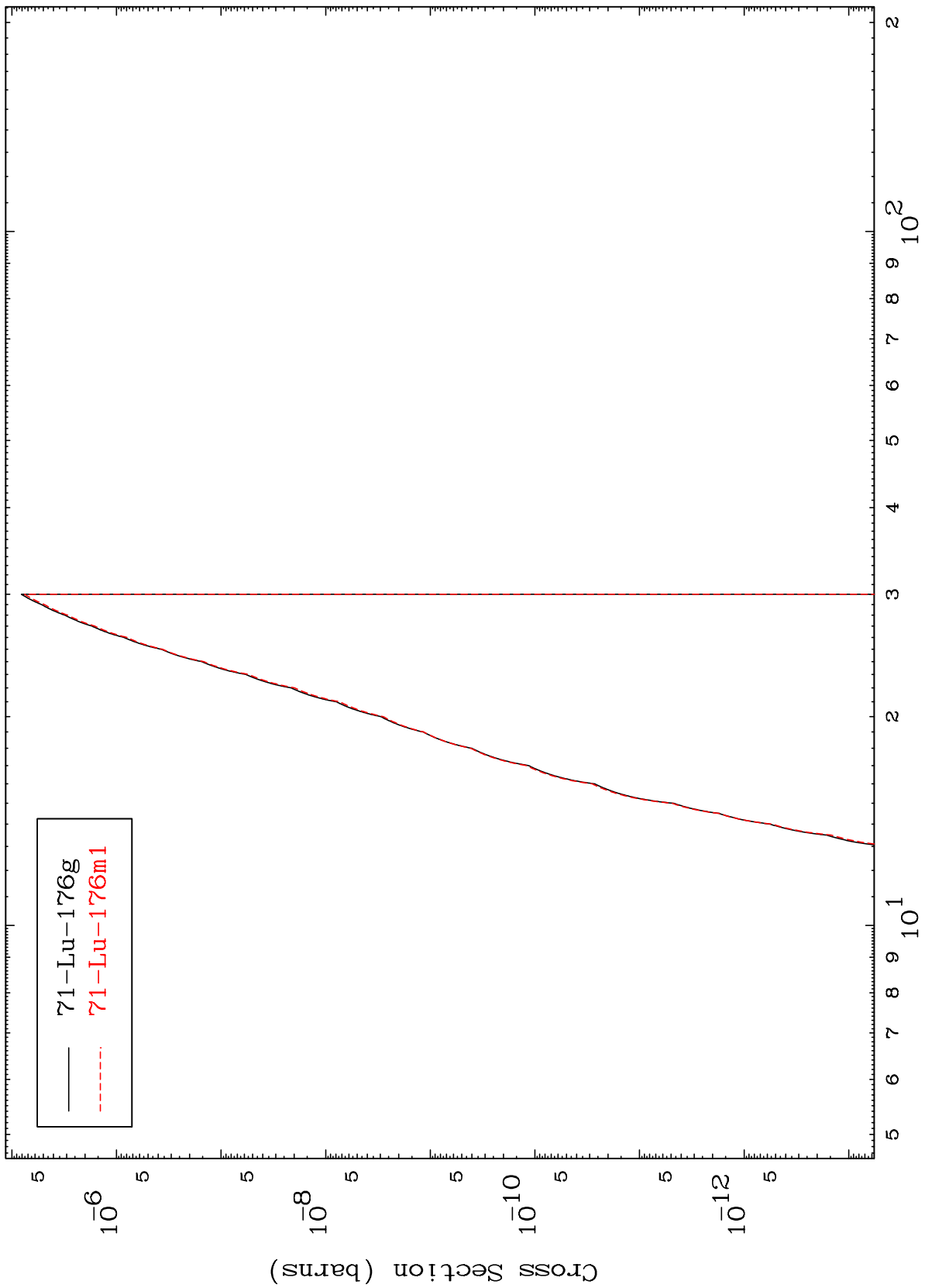
Incident Energy (MeV)

⁷³Ta-177

MAT 7316

73-Ta-177

(n,2p)
Radionuclide Production Cross Section



142

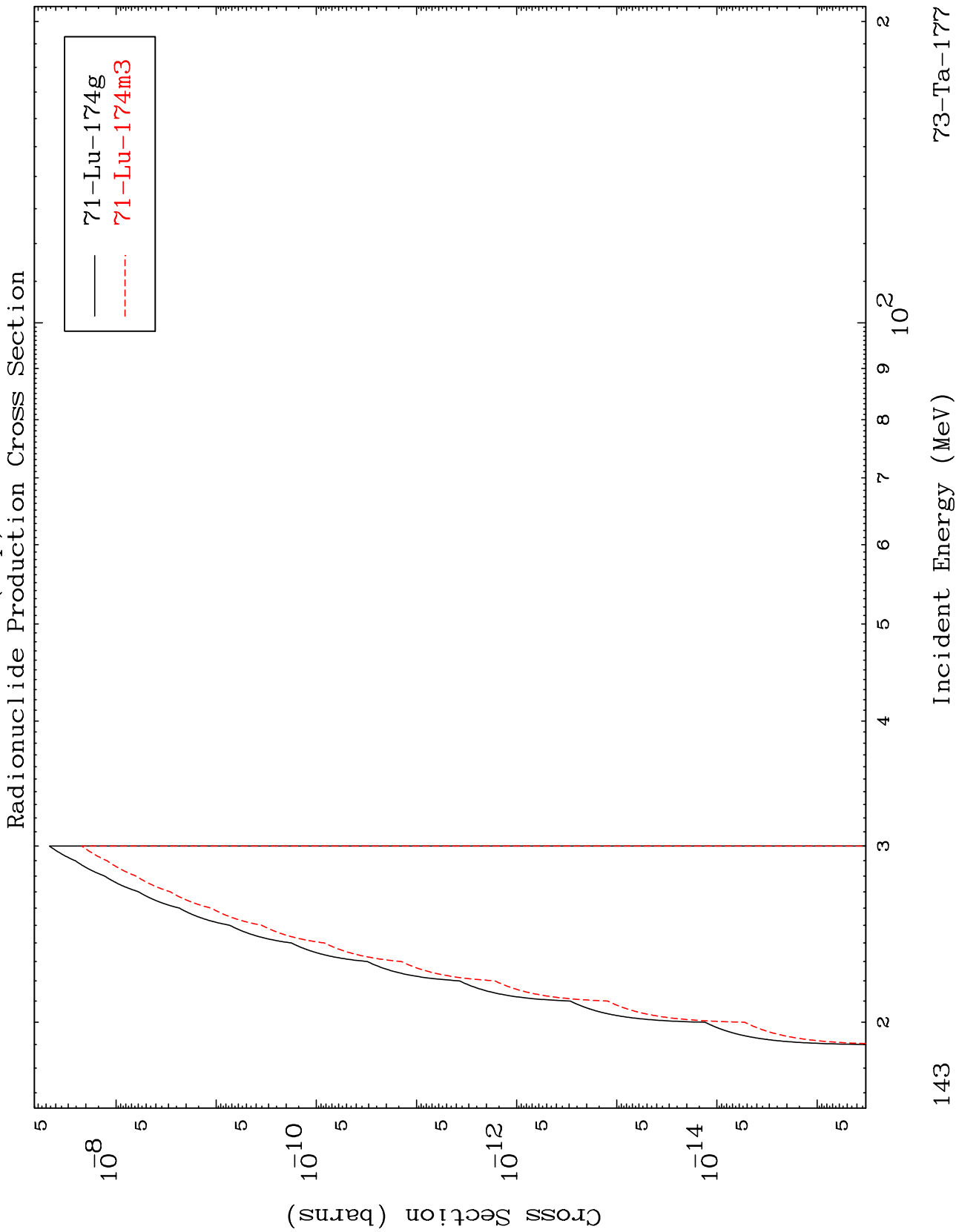
Incident Energy (MeV)

73-Ta-177

MAT 7316

(n,p) t

⁷³Ta-177



143

⁷³Ta-177