

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

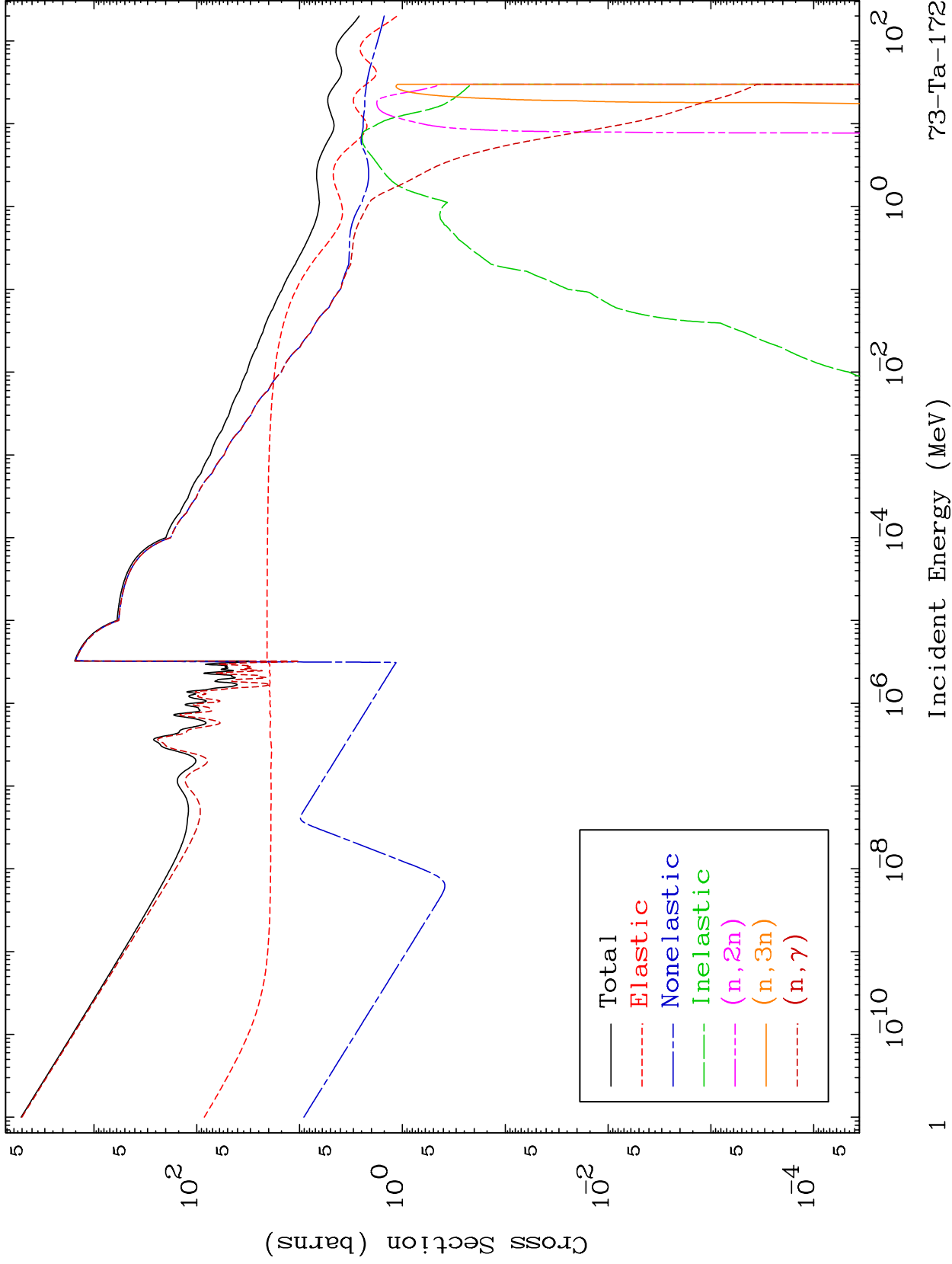
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7301

Neutron Major
293 Kelvin Cross Sections

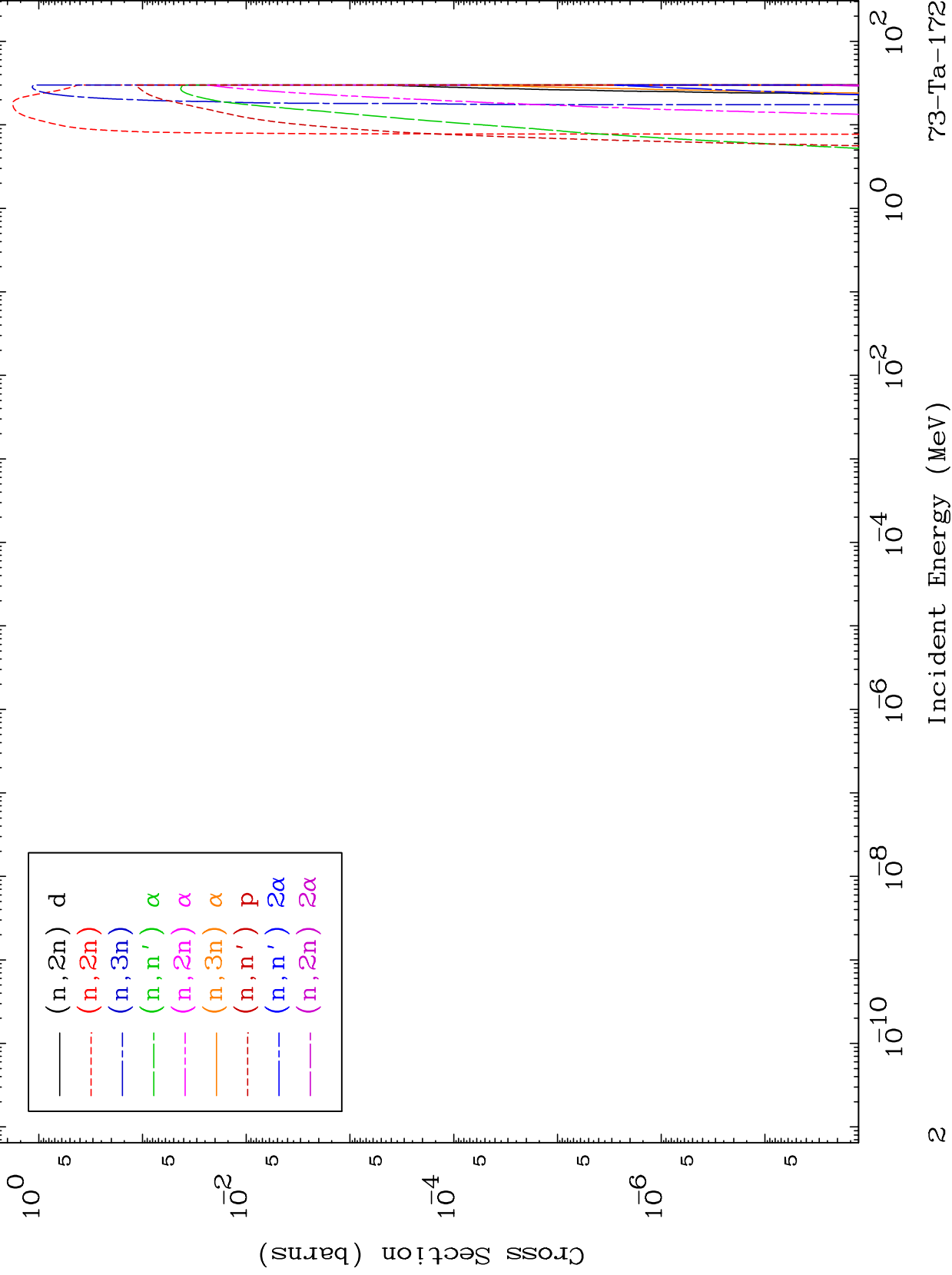
73-Ta-172



MAT 7301

Neutron Absorption
293 Kelvin Cross Sections

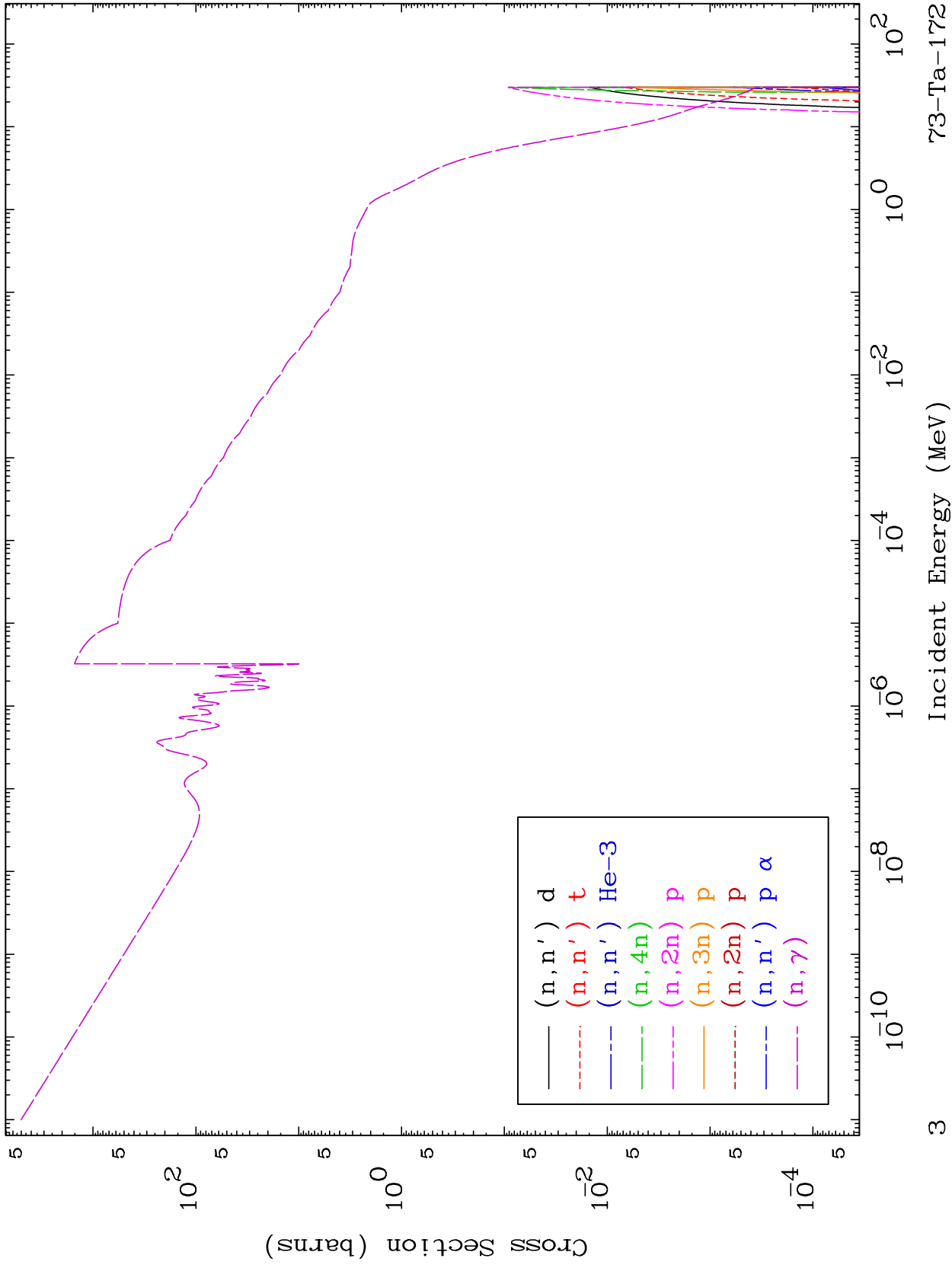
73-Ta-172



MAT 7301

Neutron Absorption
293 Kelvin Cross Sections

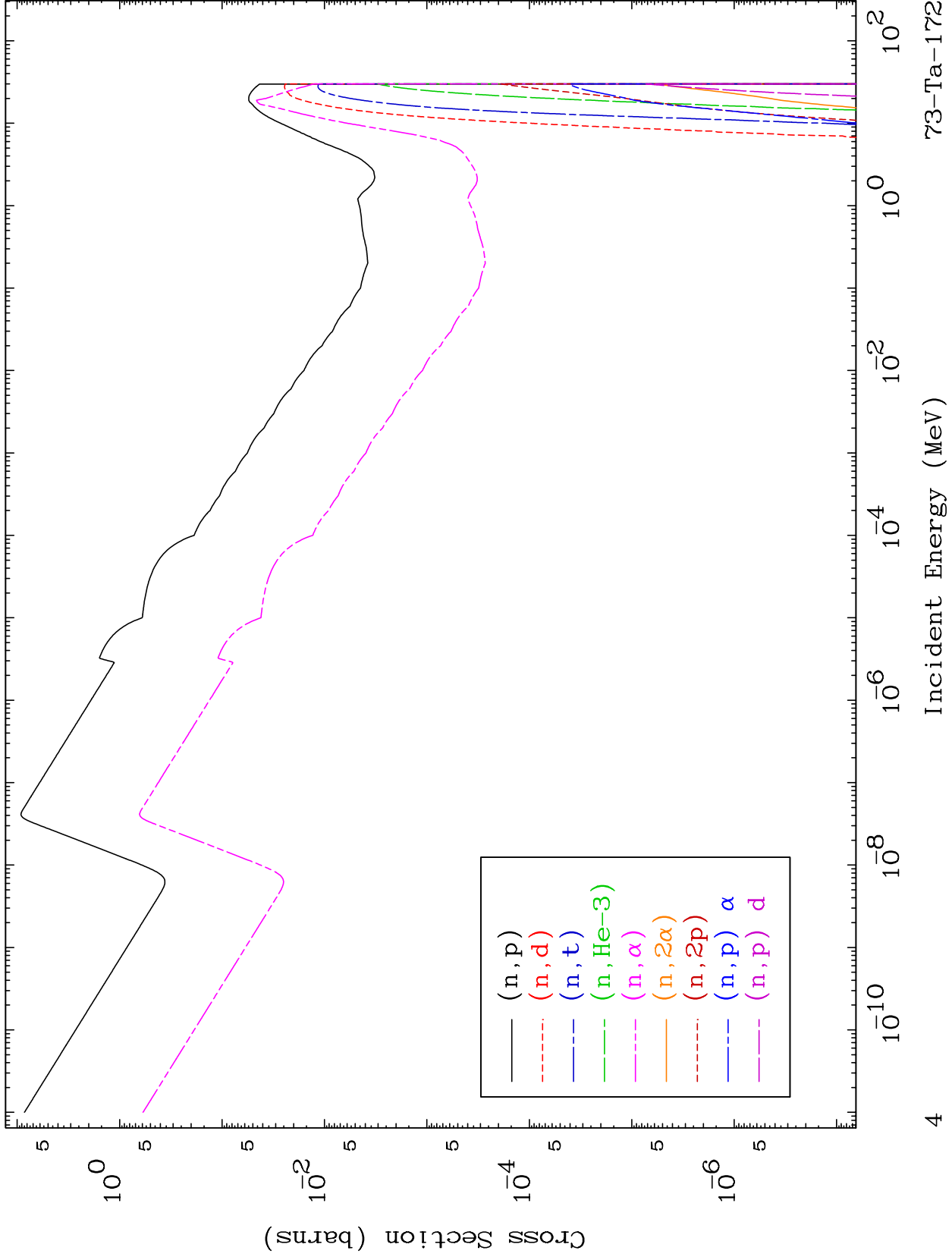
73-Ta-172



MAT 7301

Neutron Absorption
293 Kelvin Cross Sections

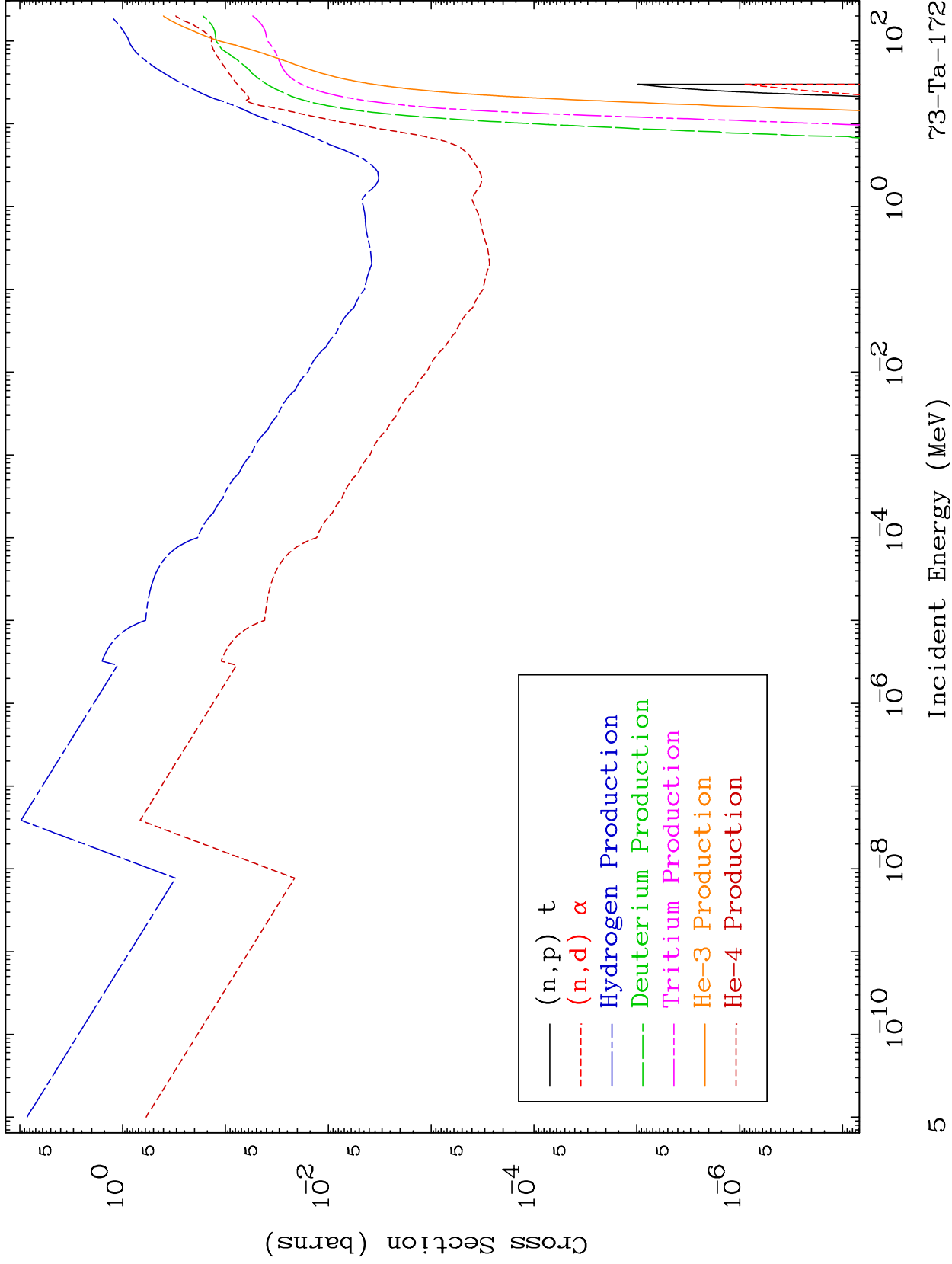
73-Ta-172



MAT 7301

Neutron Absorption
293 Kelvin Cross Sections

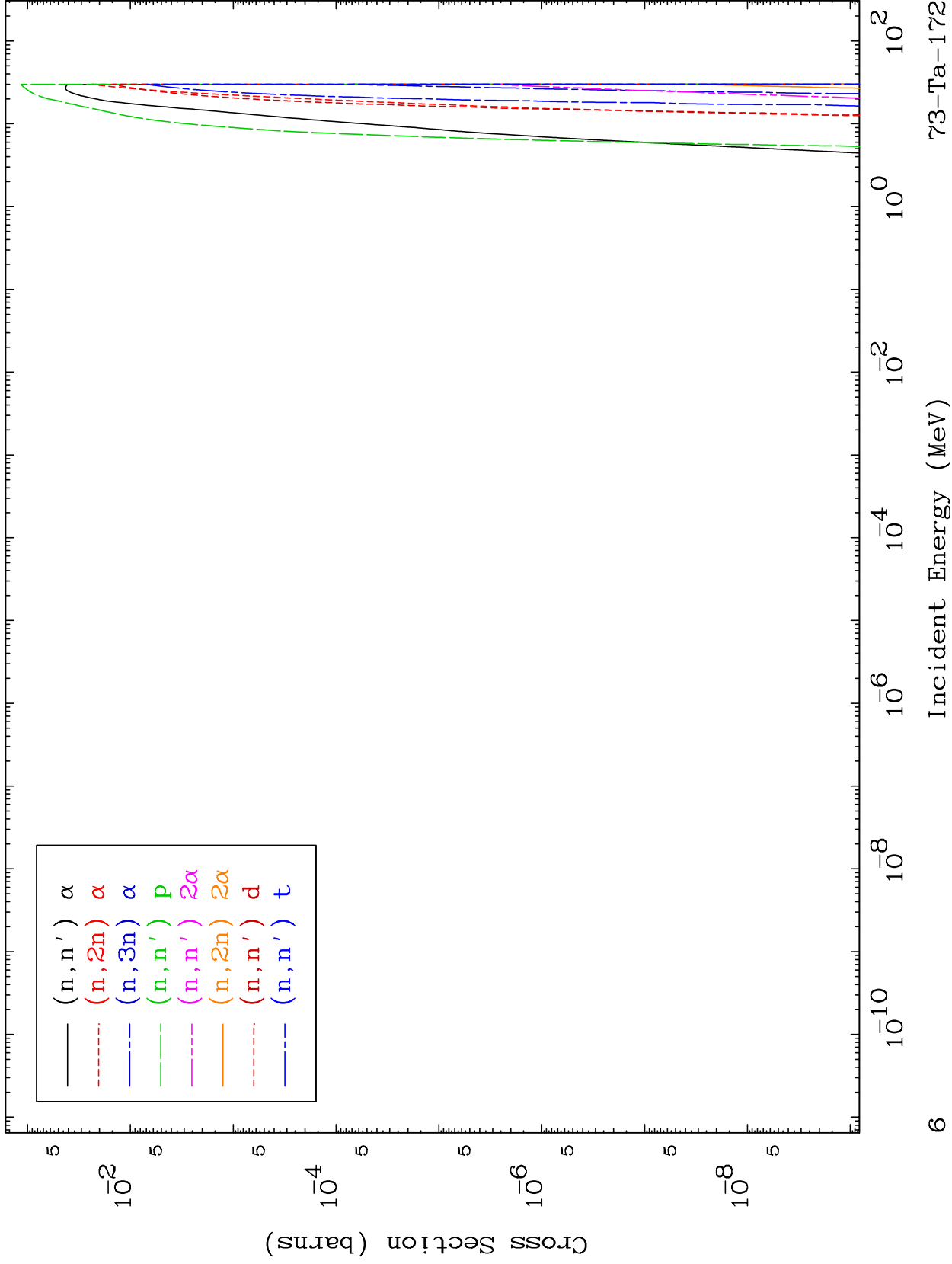
73-Ta-172



MAT 7301

Charged Particle
293 Kelvin Cross Sections

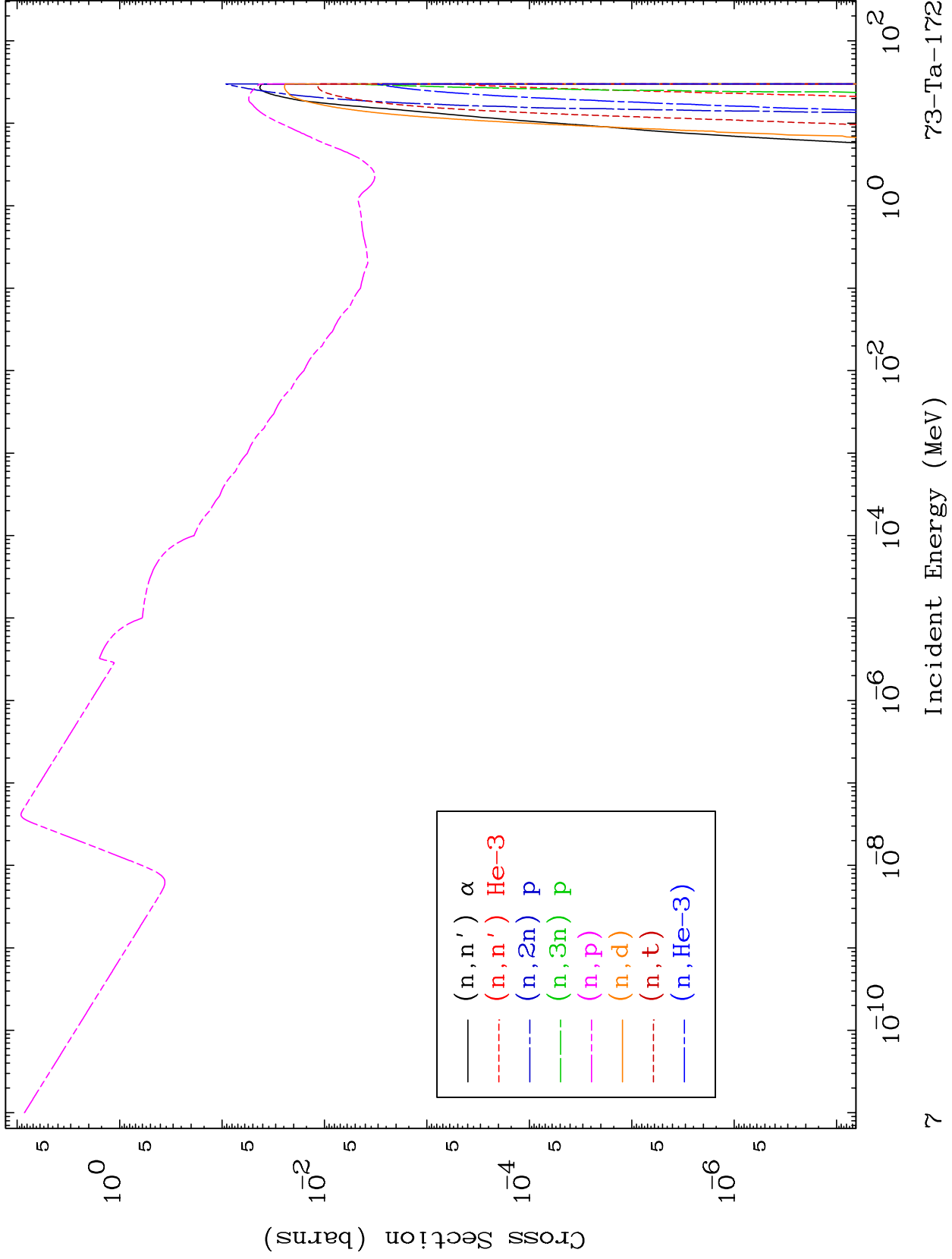
73-Ta-172



MAT 7301

Charged Particle
293 Kelvin Cross Sections

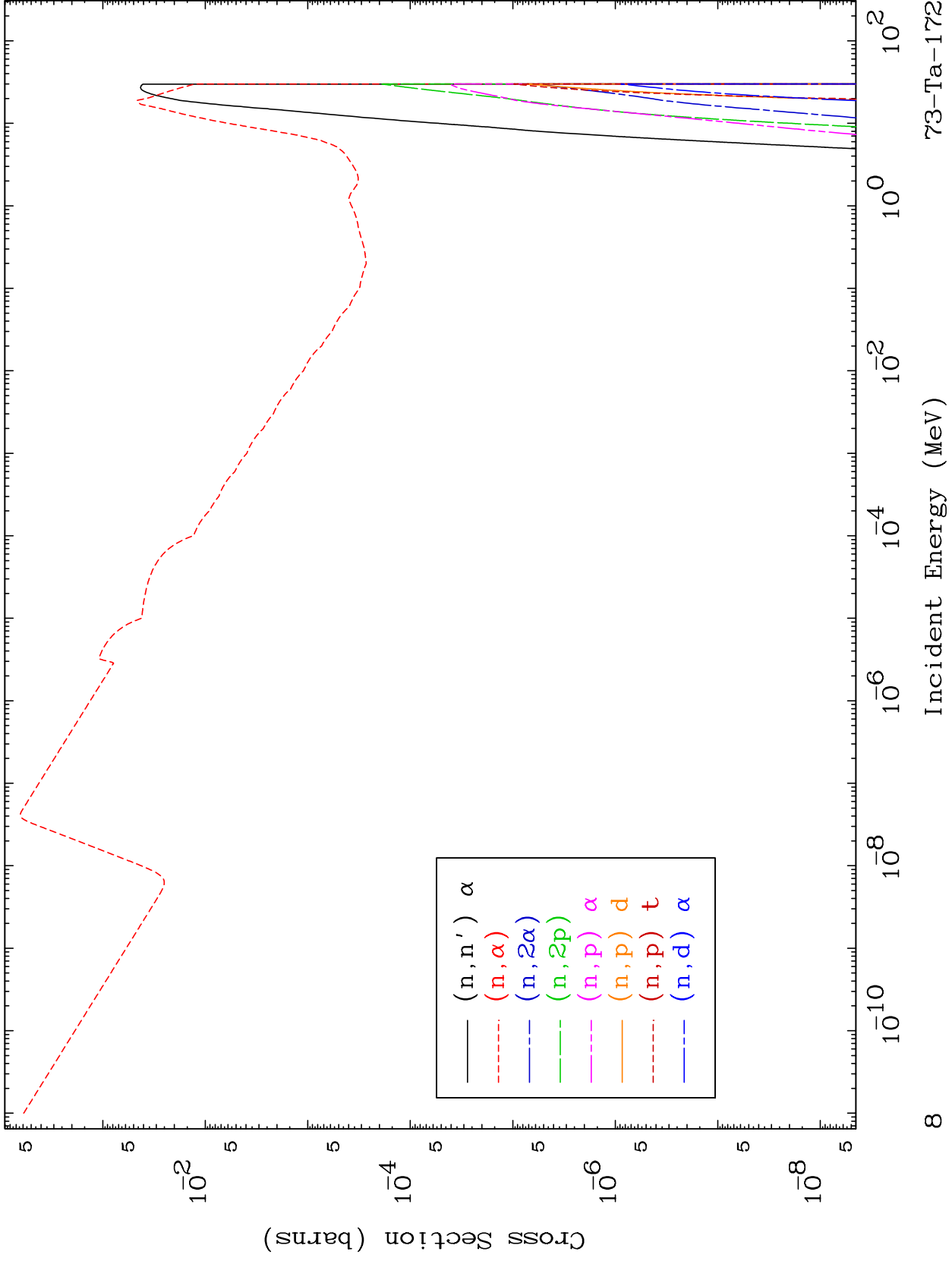
73-Ta-172



MAT 7301

Charged Particle
293 Kelvin Cross Sections

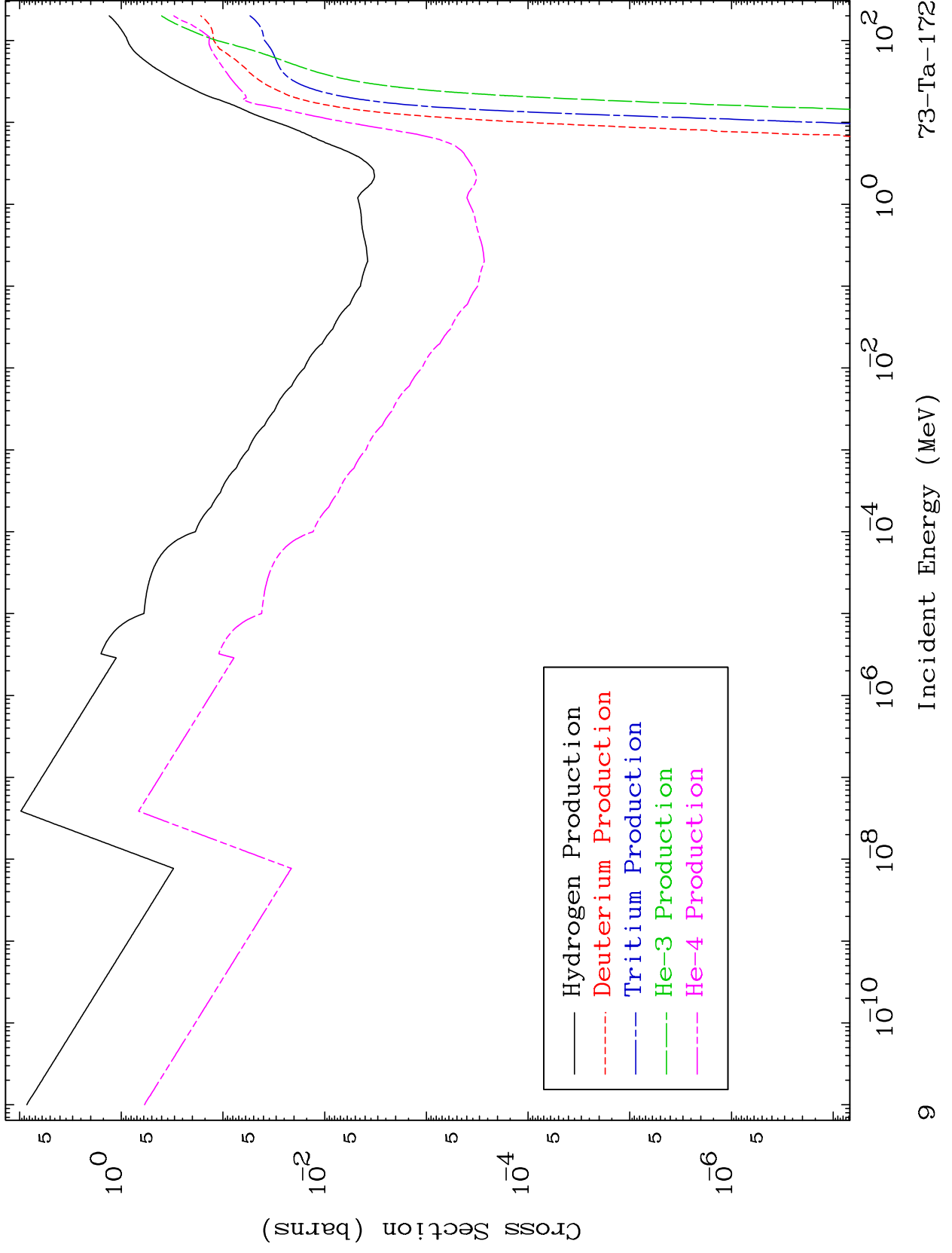
73-Ta-172



MAT 7301

Particle Production
293 Kelvin Cross Sections

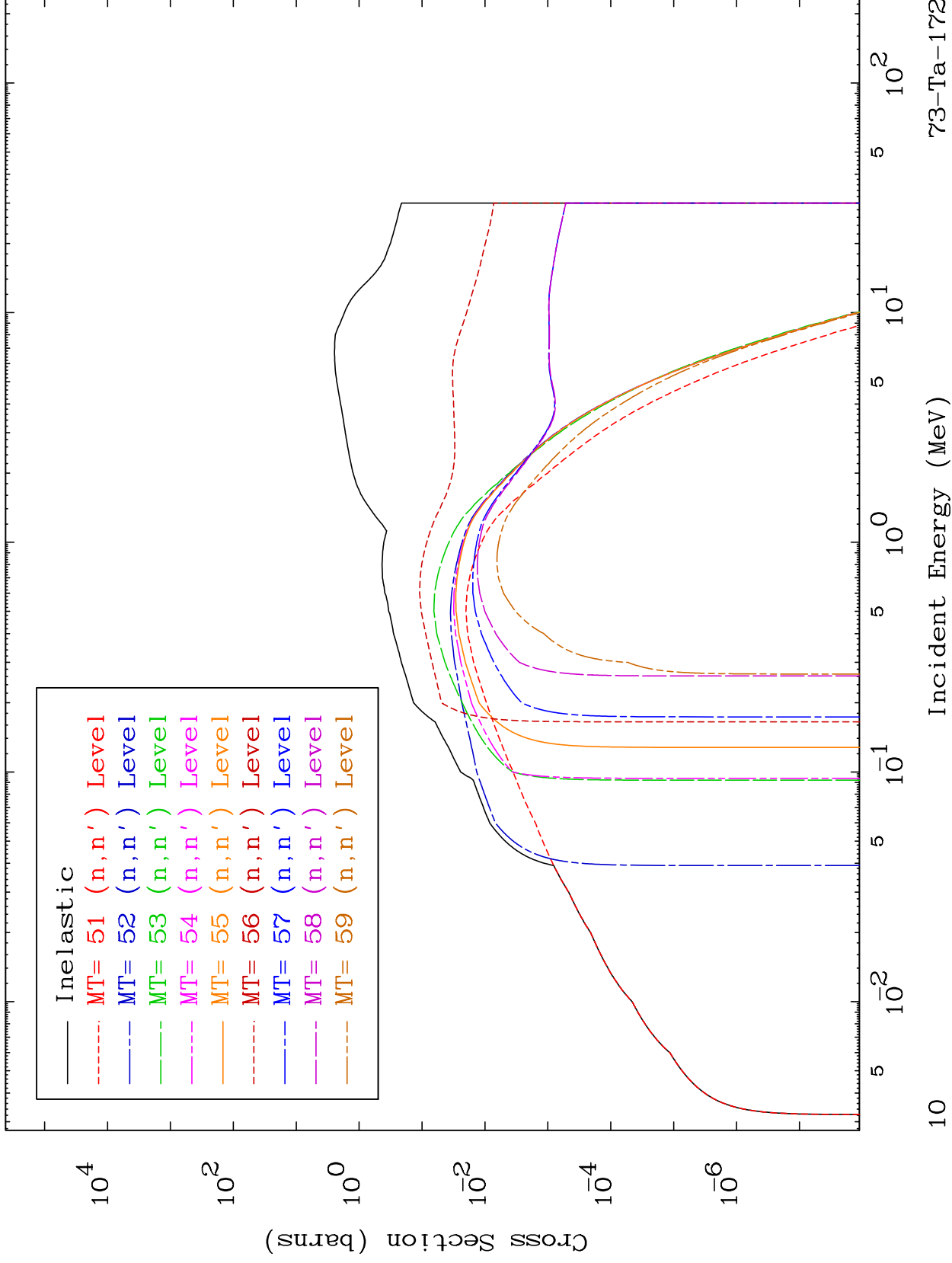
73-Ta-172



MAT 7301

(n,n') Levels
293 Kelvin Cross Sections

73-Ta-172

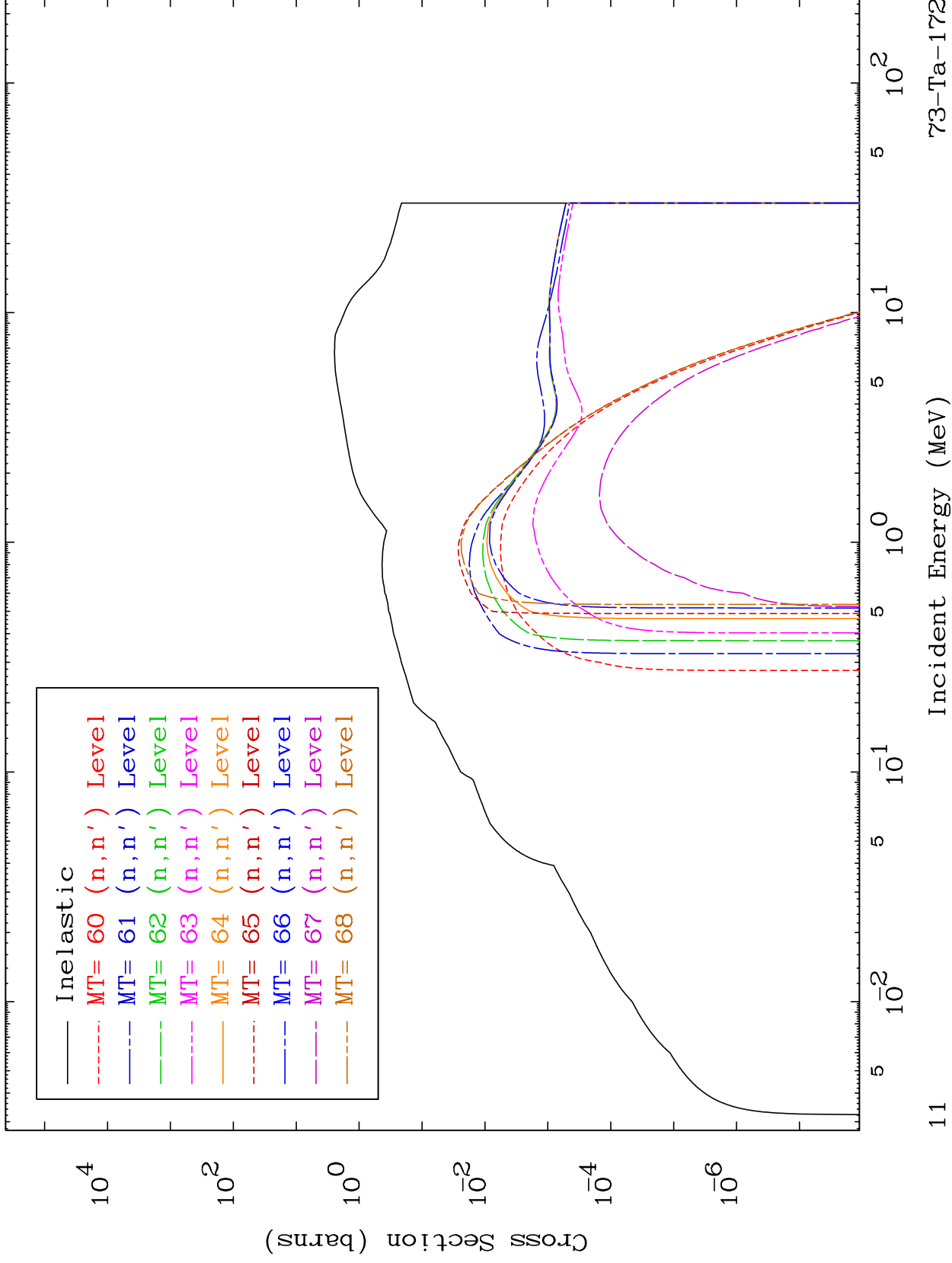


73-Ta-172

MAT 7301

(n,n') Levels
293 Kelvin Cross Sections

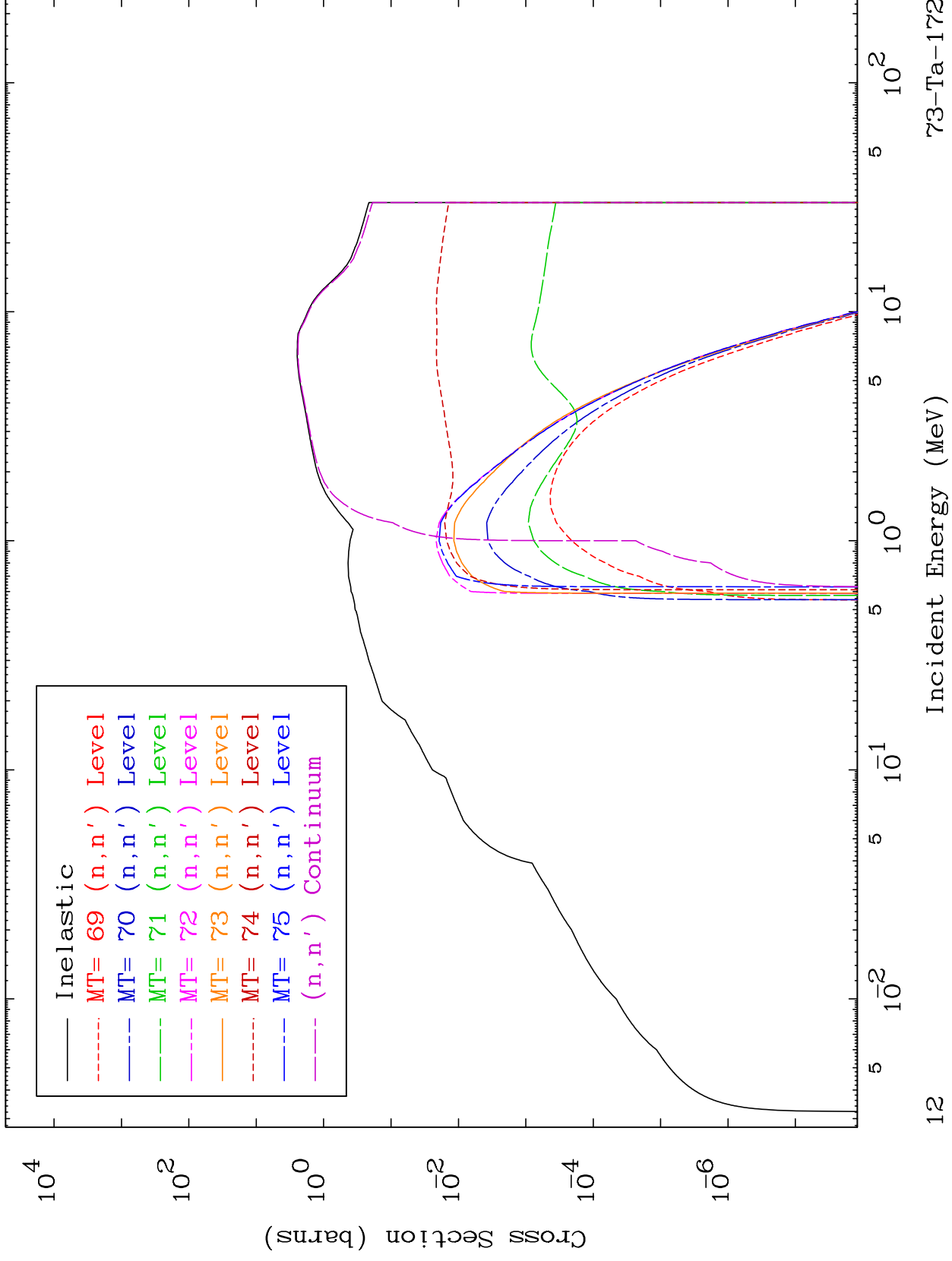
73-Ta-172



MAT 7301

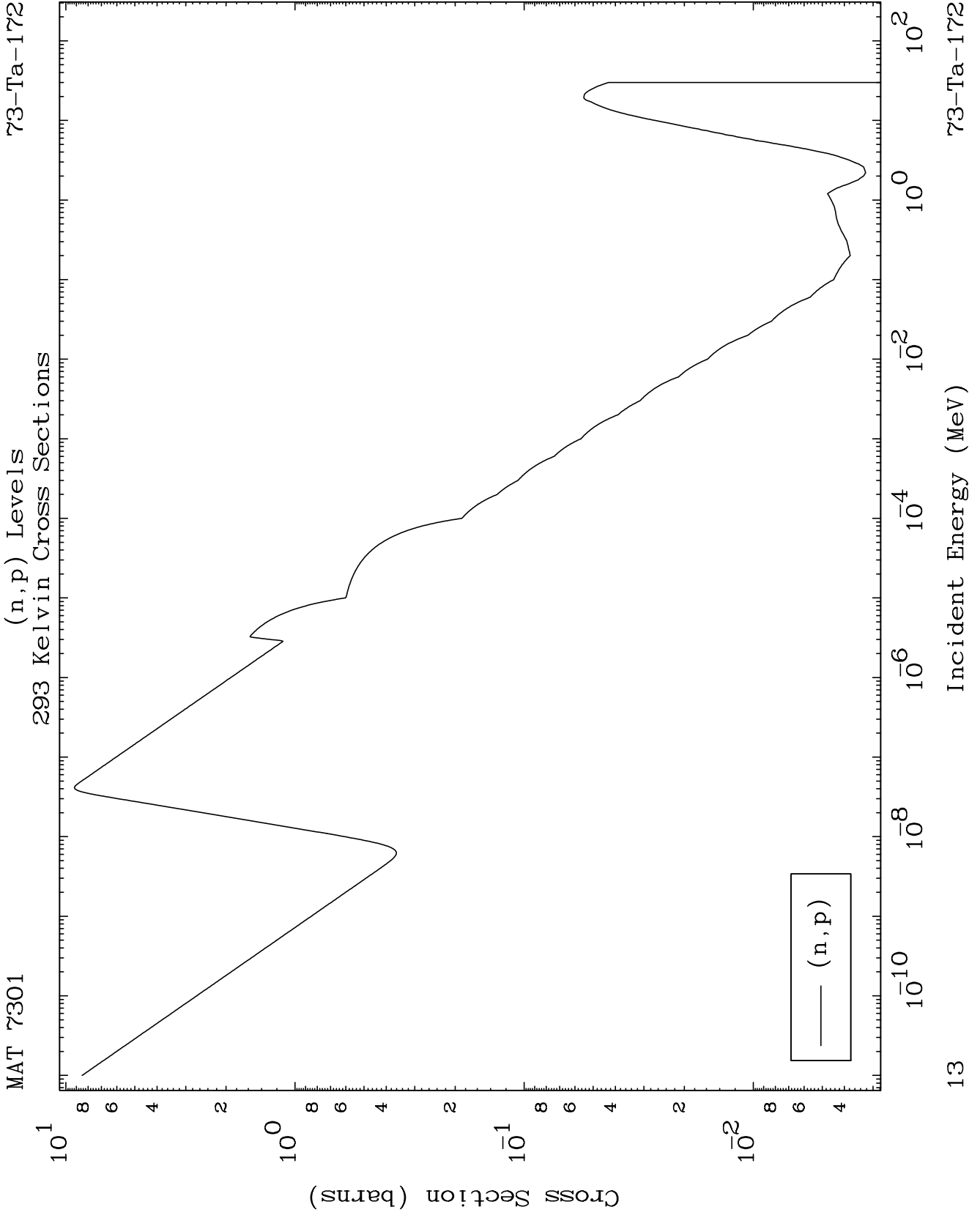
(n,n') Levels
293 Kelvin Cross Sections

73-Ta-172



12

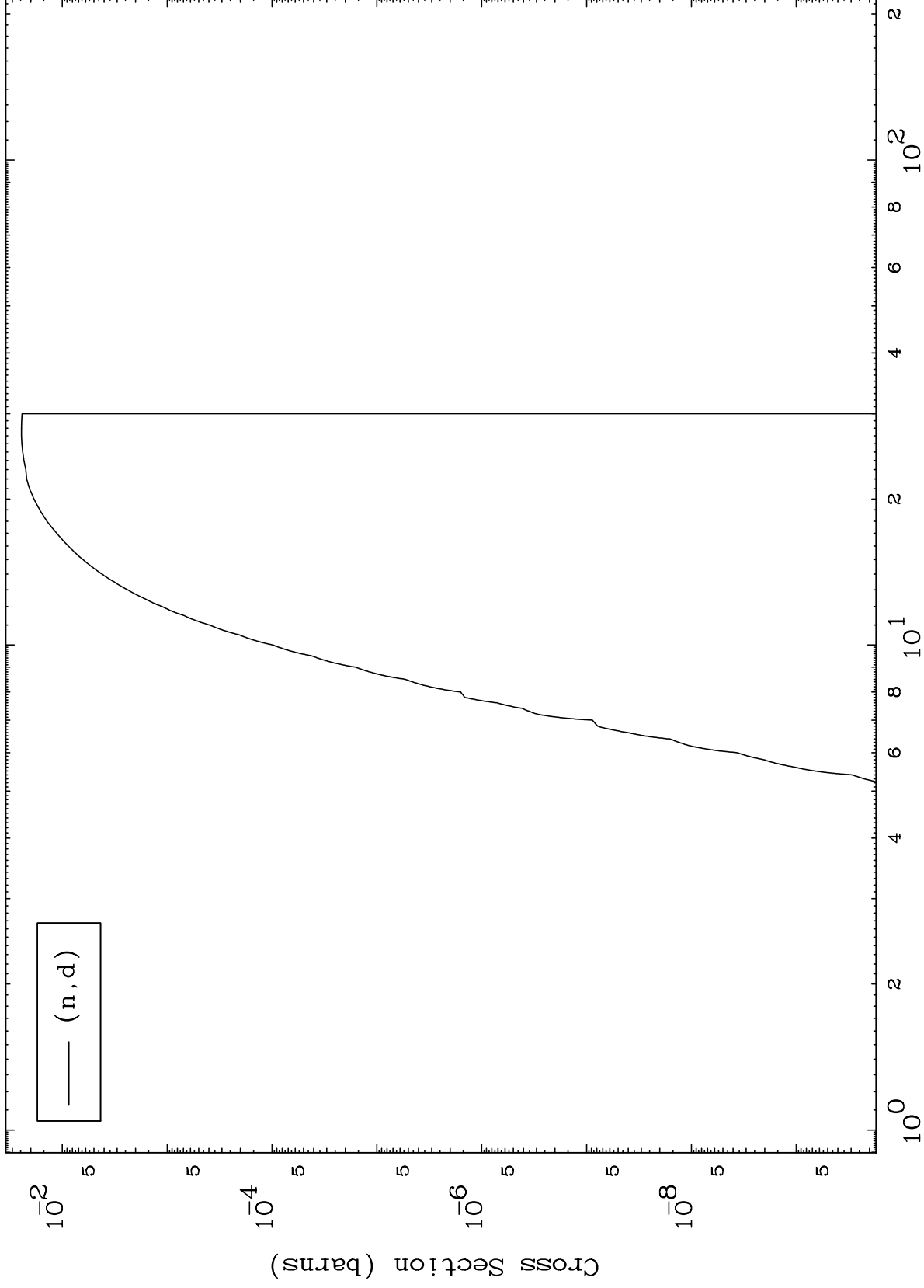
73-Ta-172



MAT 7301

(n,d) Levels
293 Kelvin Cross Sections

73-Ta-172



14

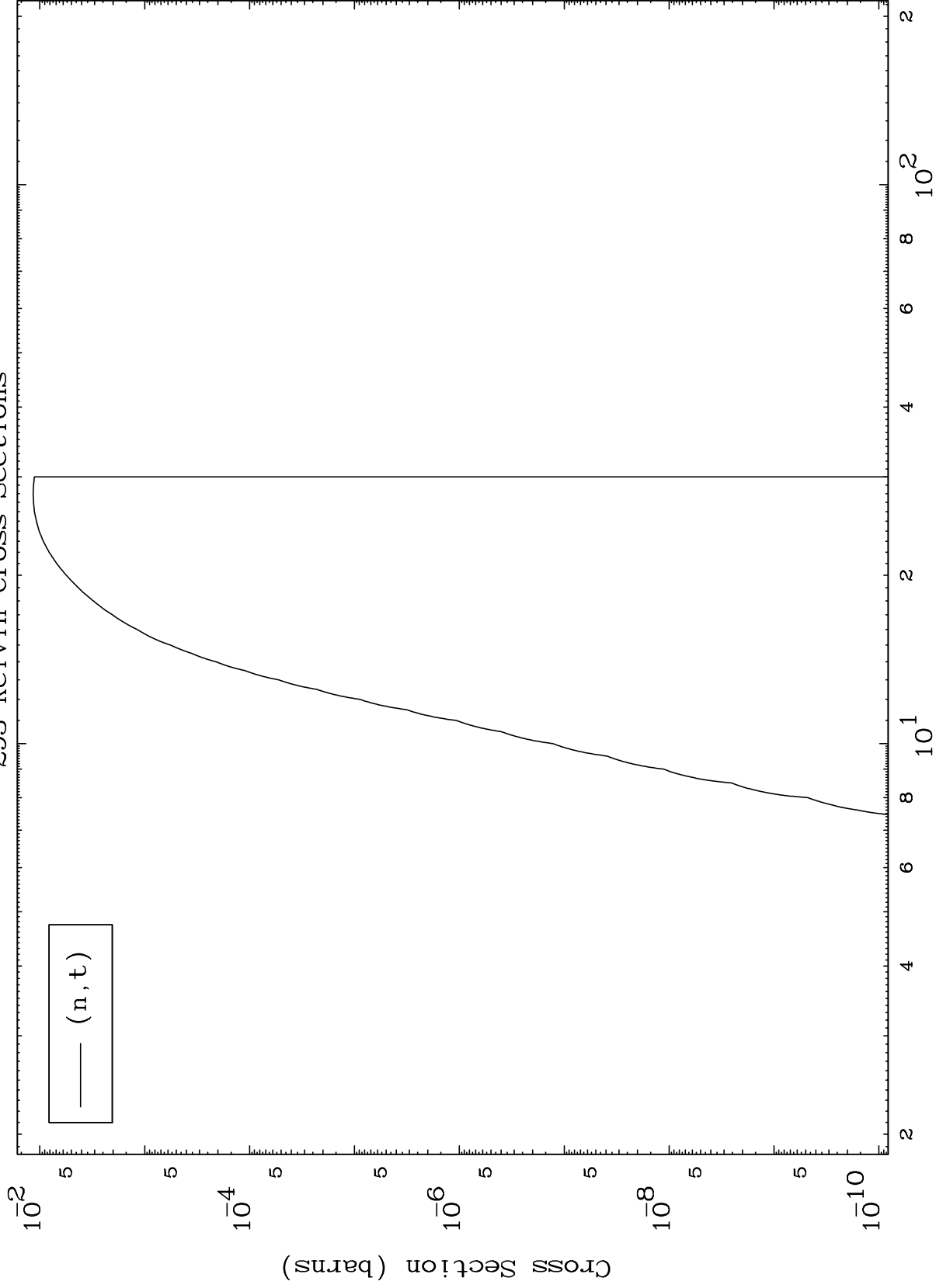
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-172



15

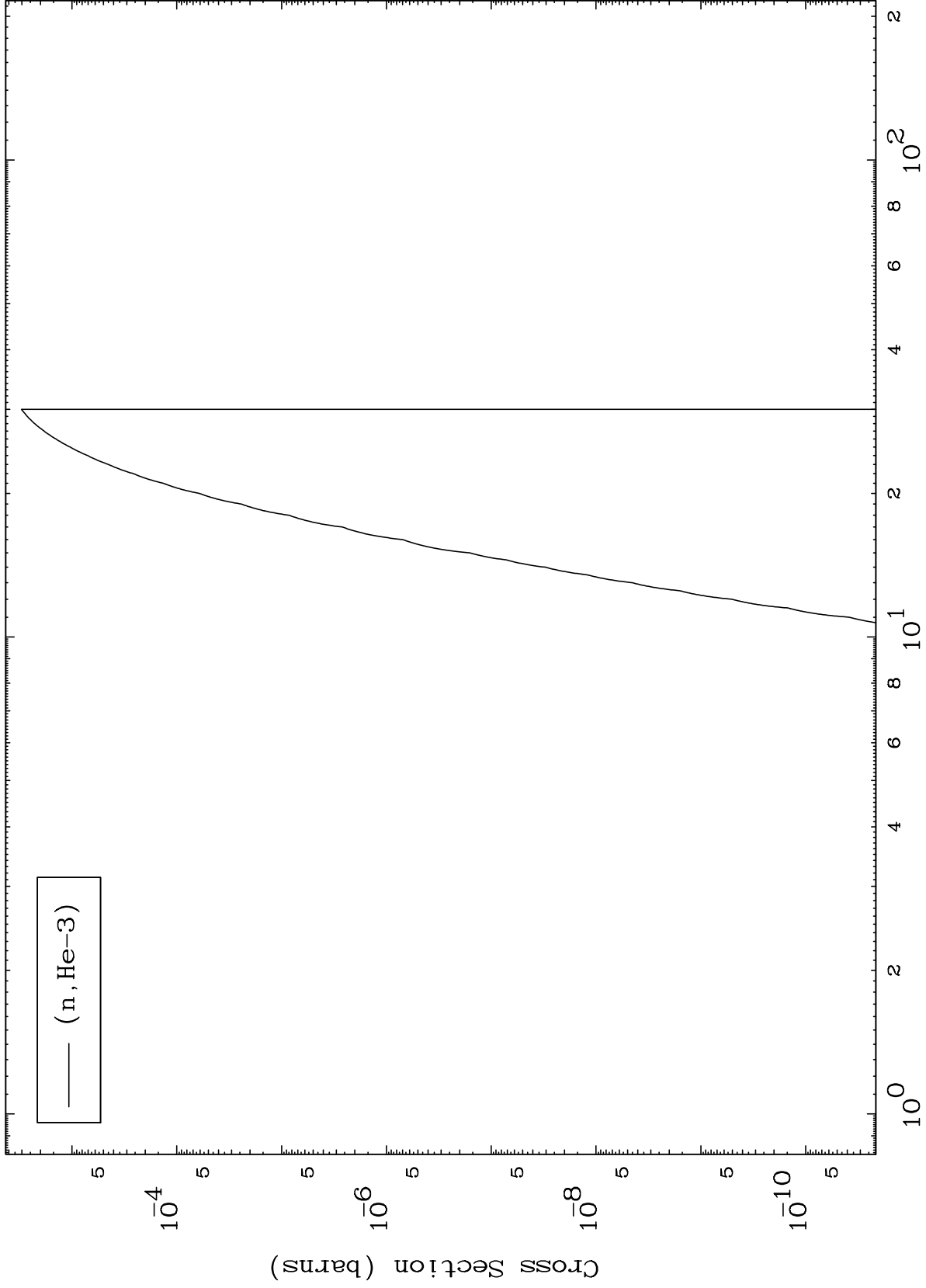
Incident Energy (MeV)

73-Ta-172

MAT 7301

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-172



16

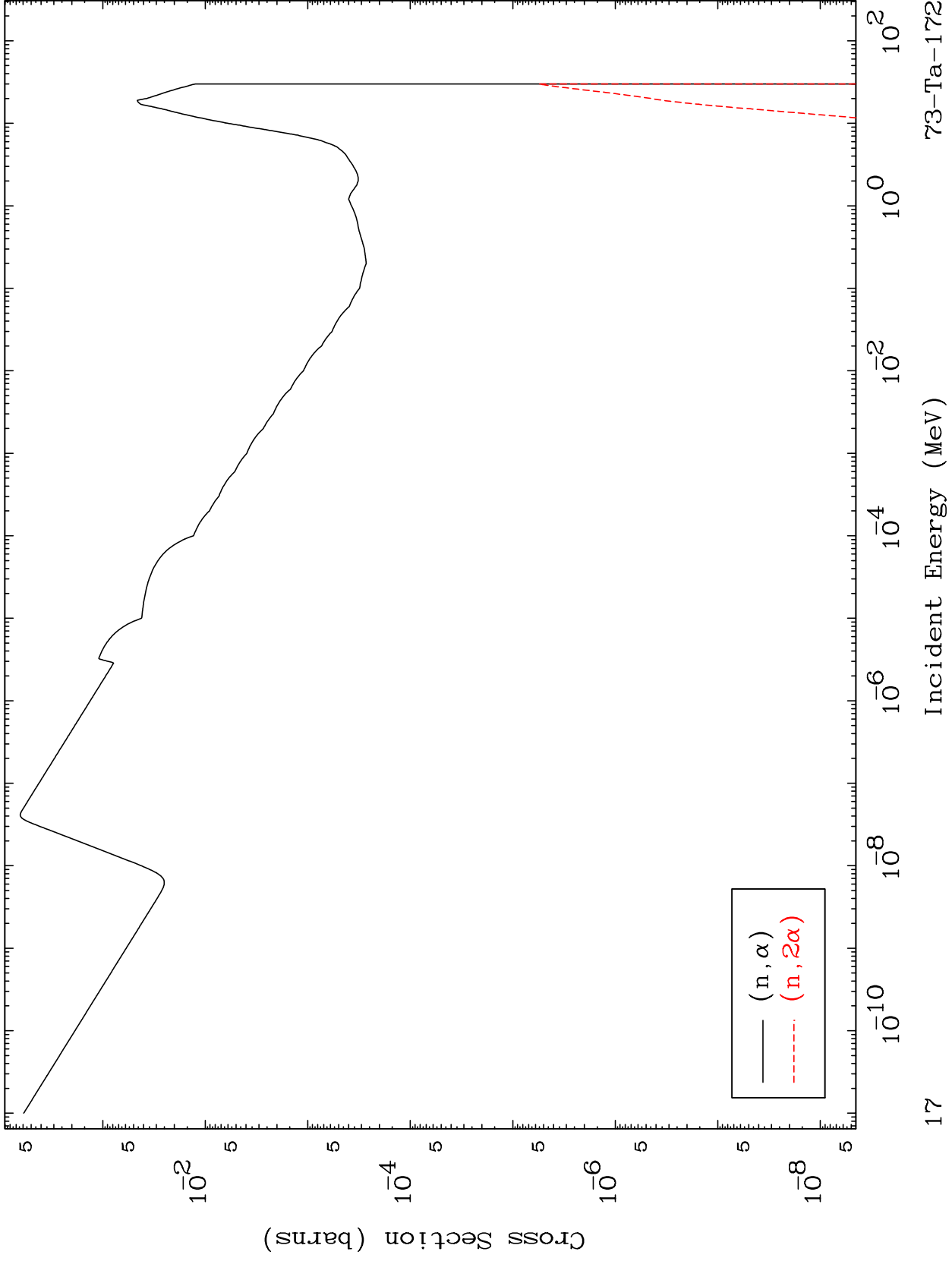
Incident Energy (MeV)

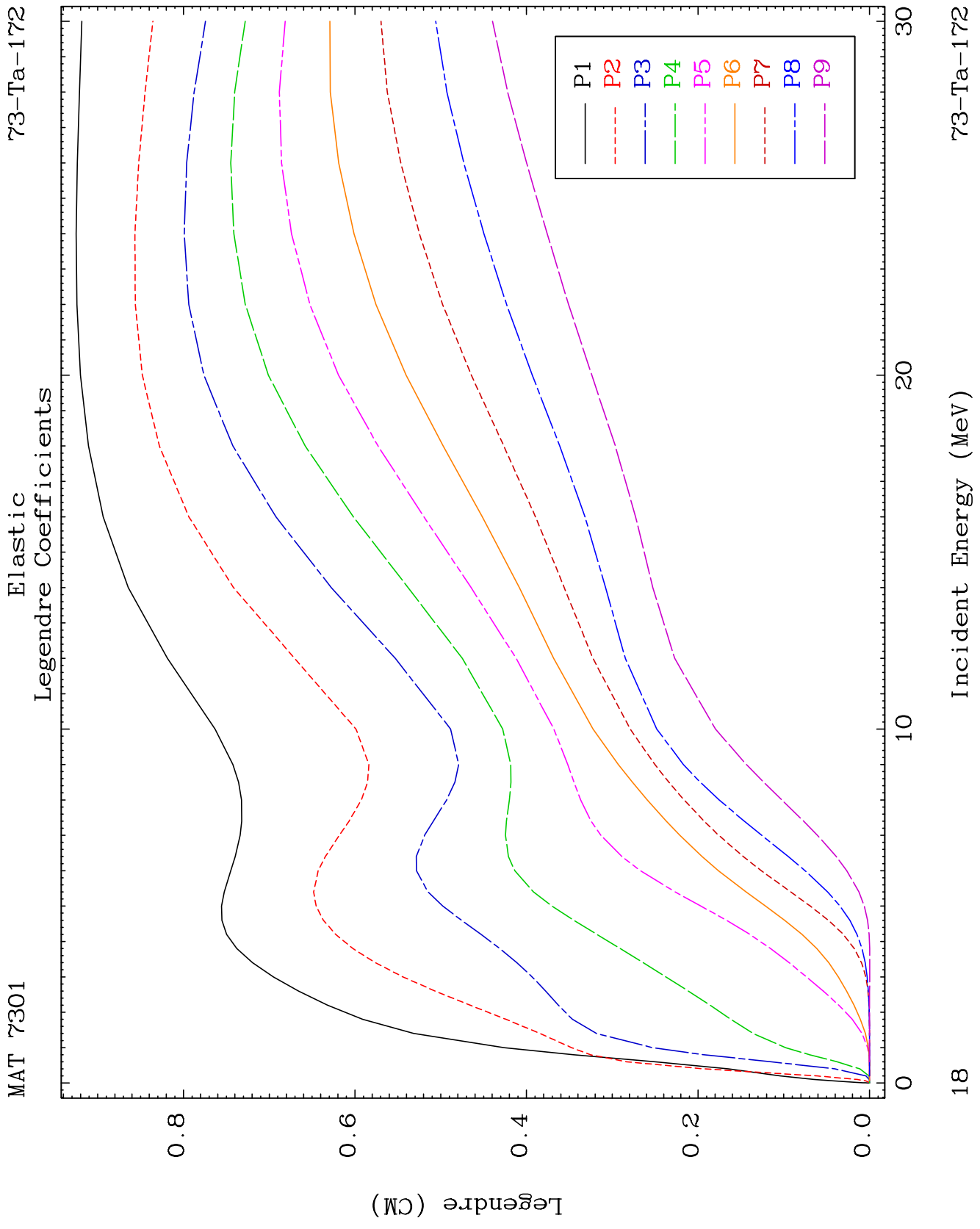
73-Ta-172

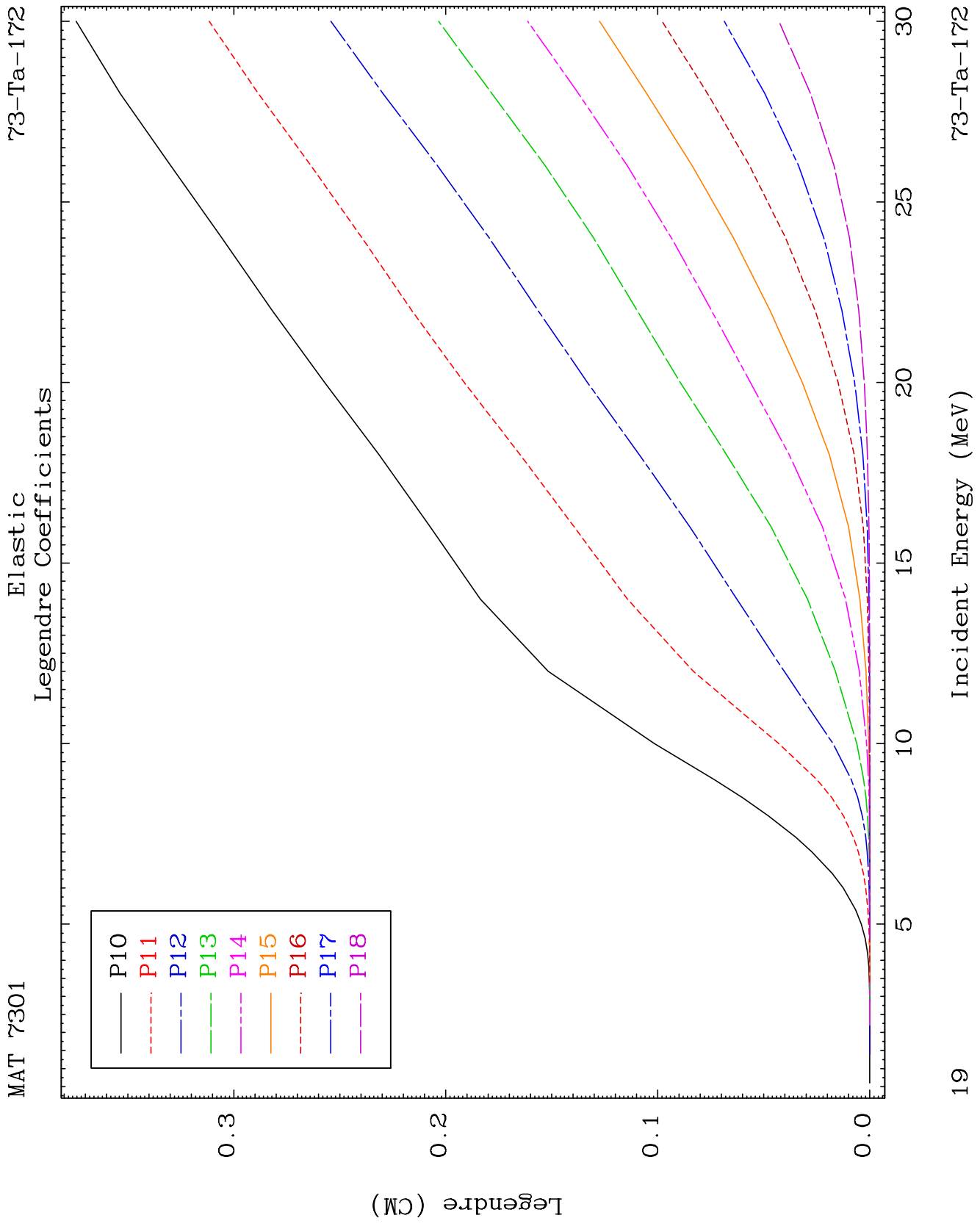
MAT 7301

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-172



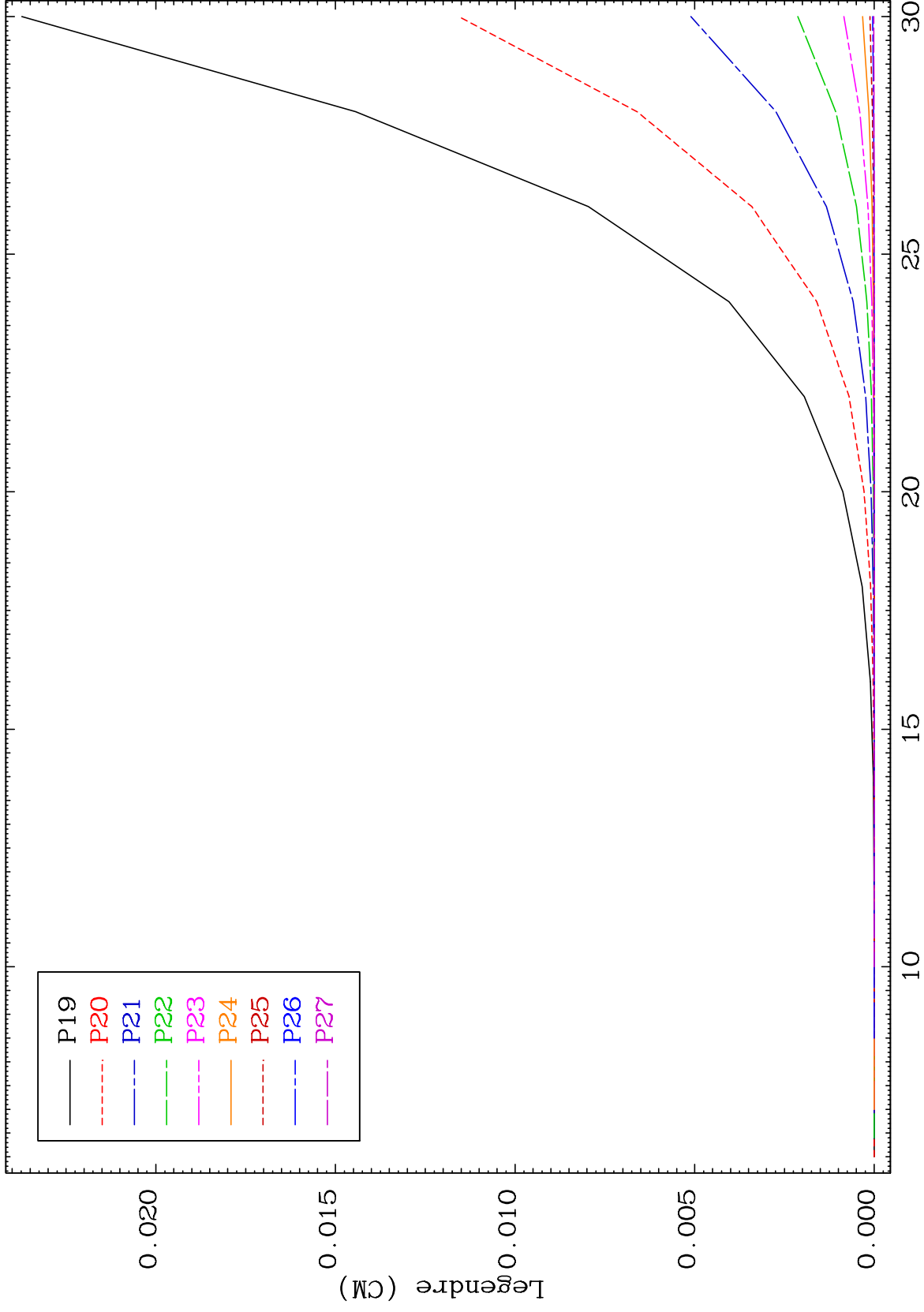




MAT 7301

Elastic
Legendre Coefficients

73-Ta-172



20

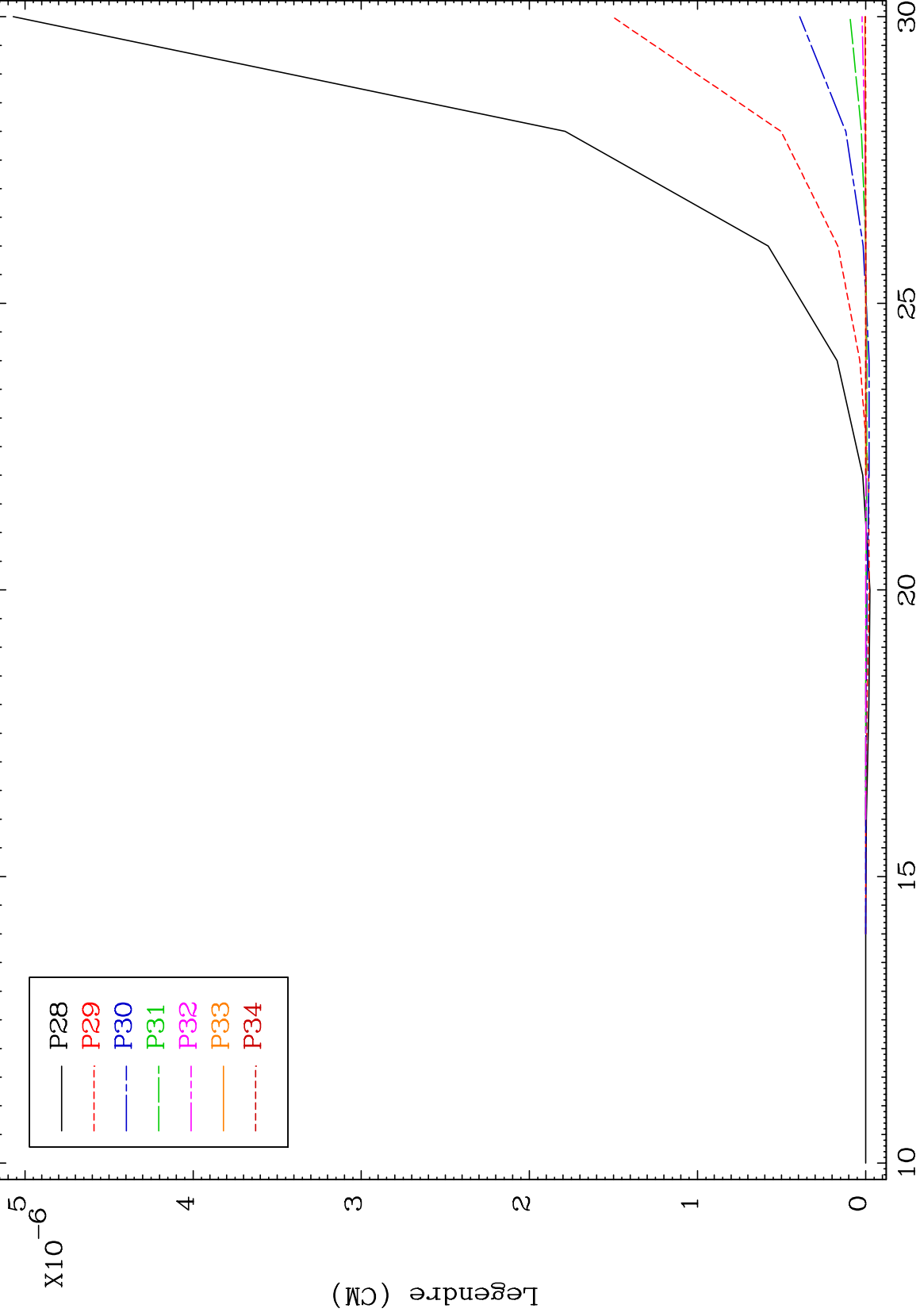
Incident Energy (MeV)

73-Ta-172

MAT 7301

Elastic
Legendre Coefficients

73-Ta-172



5×10^{-6}

- P28
- P29
- P30
- P31
- P32
- P33
- P34

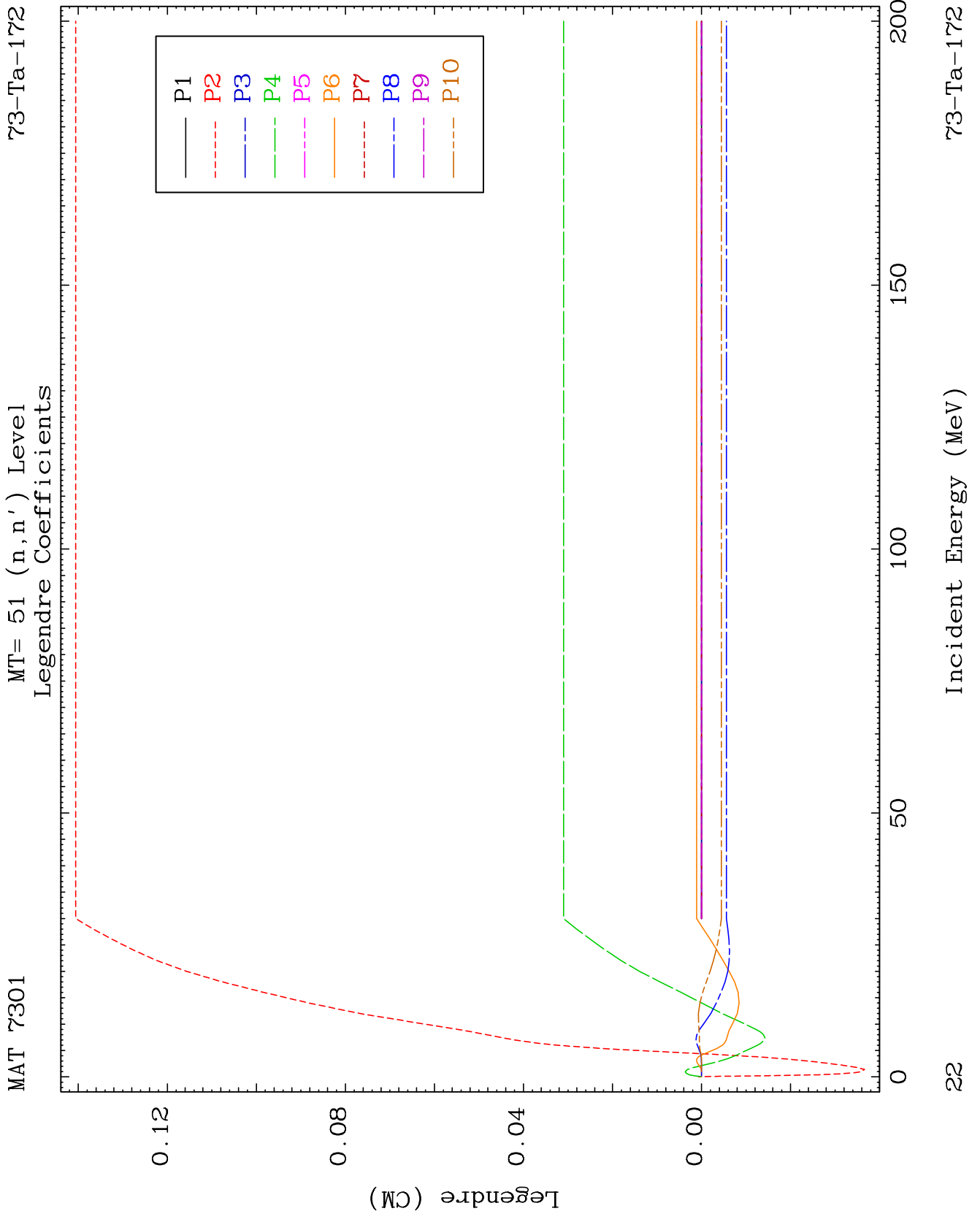
Legendre (CM)

10

Incident Energy (MeV)

73-Ta-172

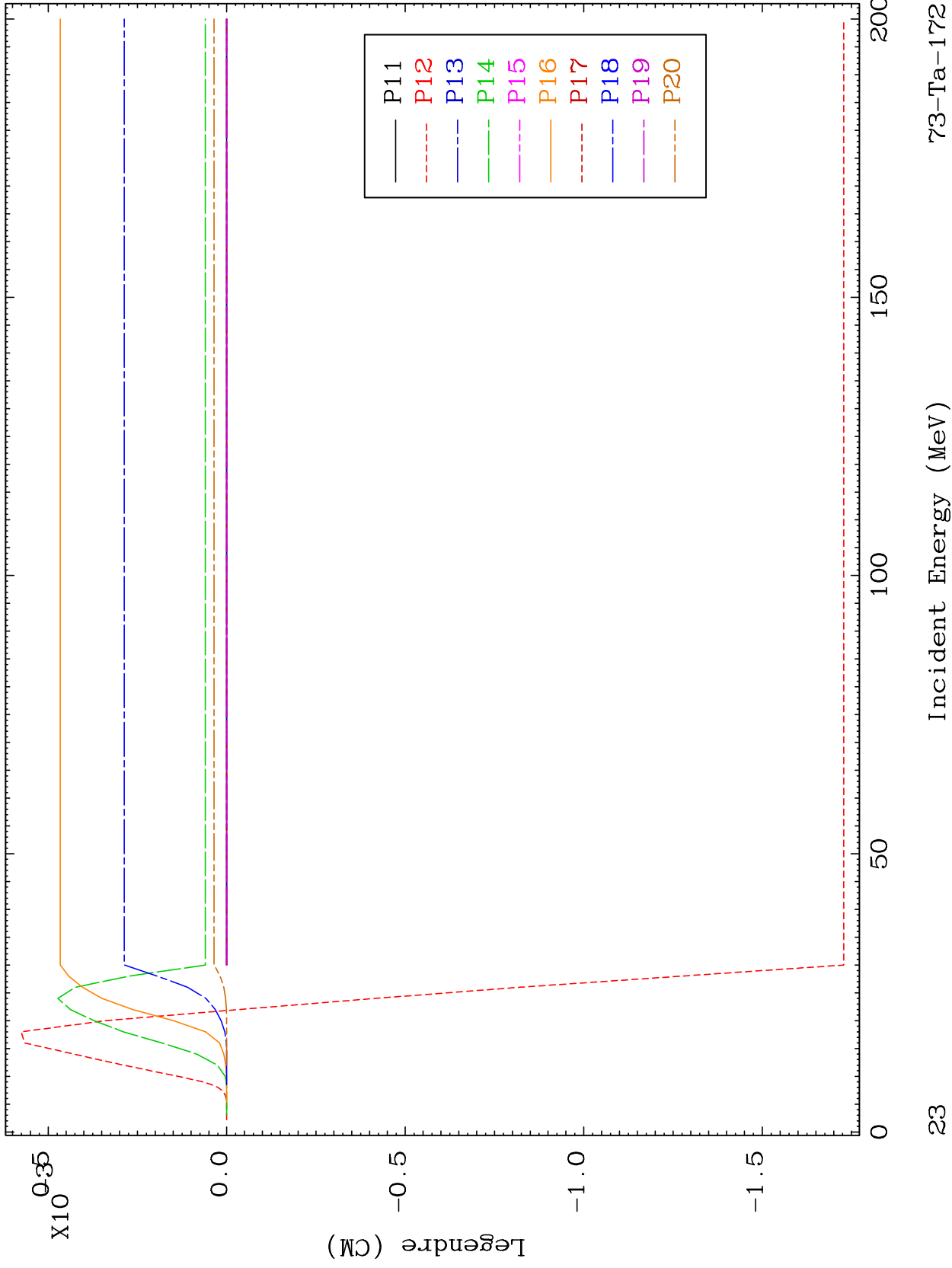
30



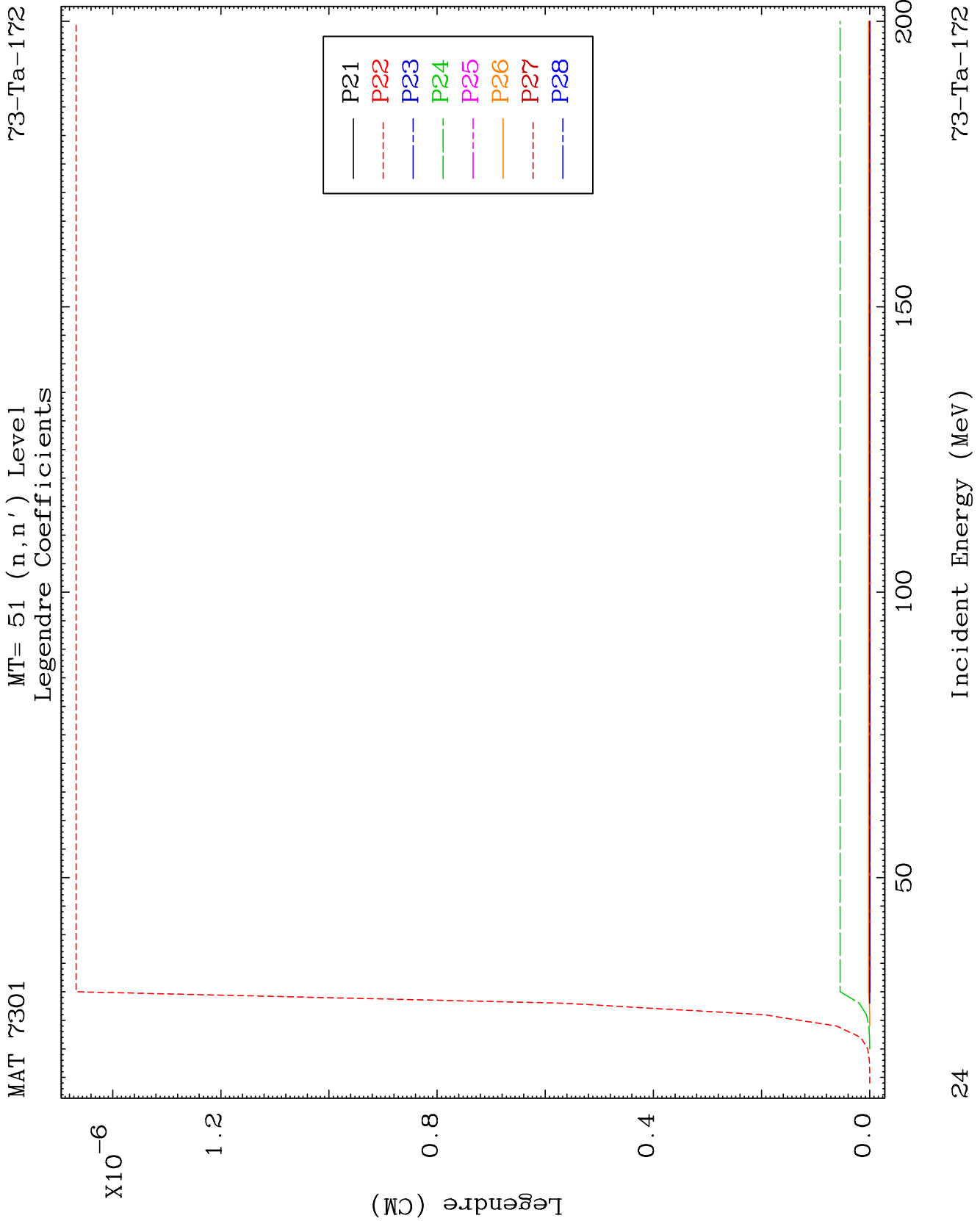
MAT 7301

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

73-Ta-172



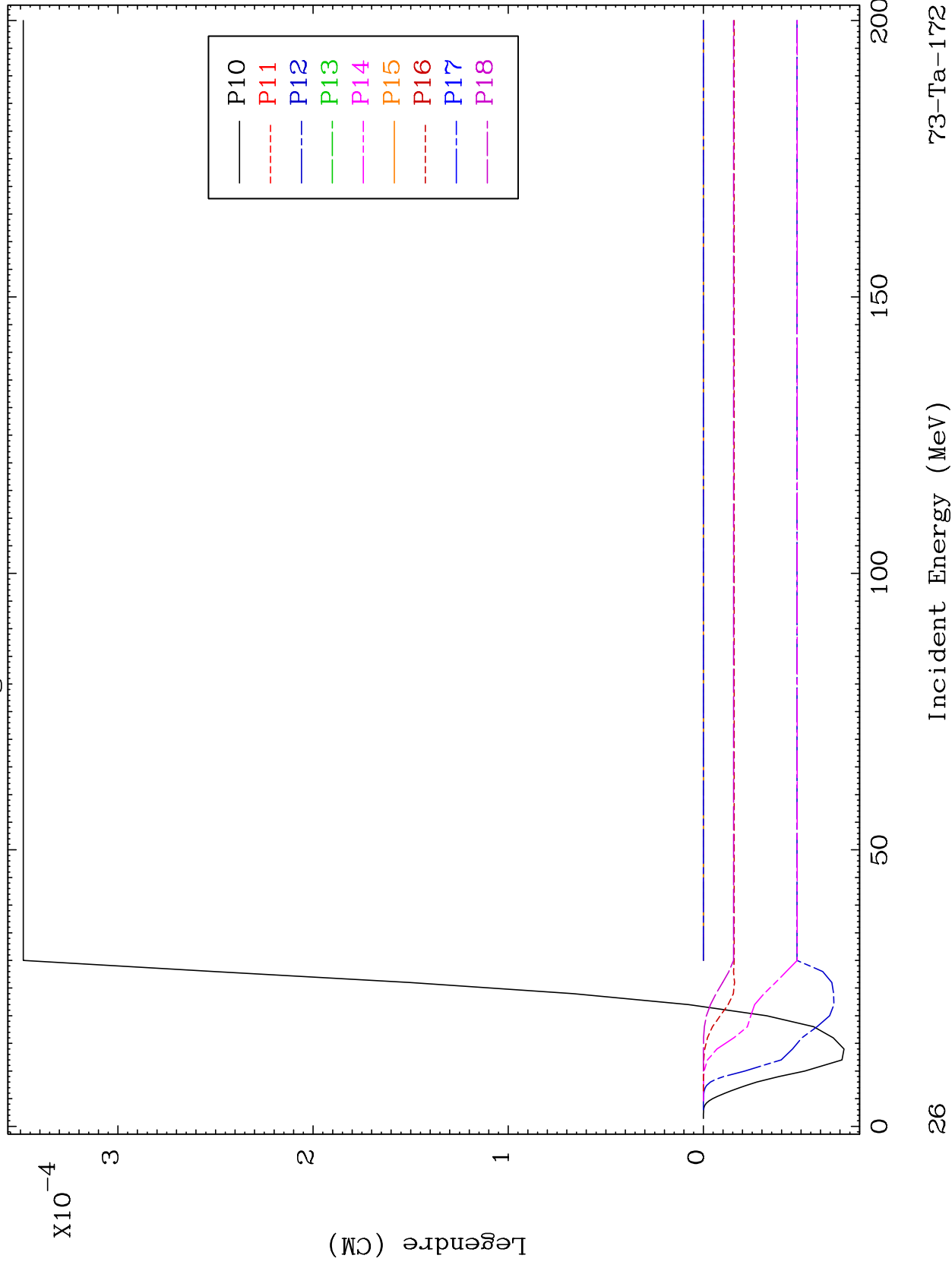
23

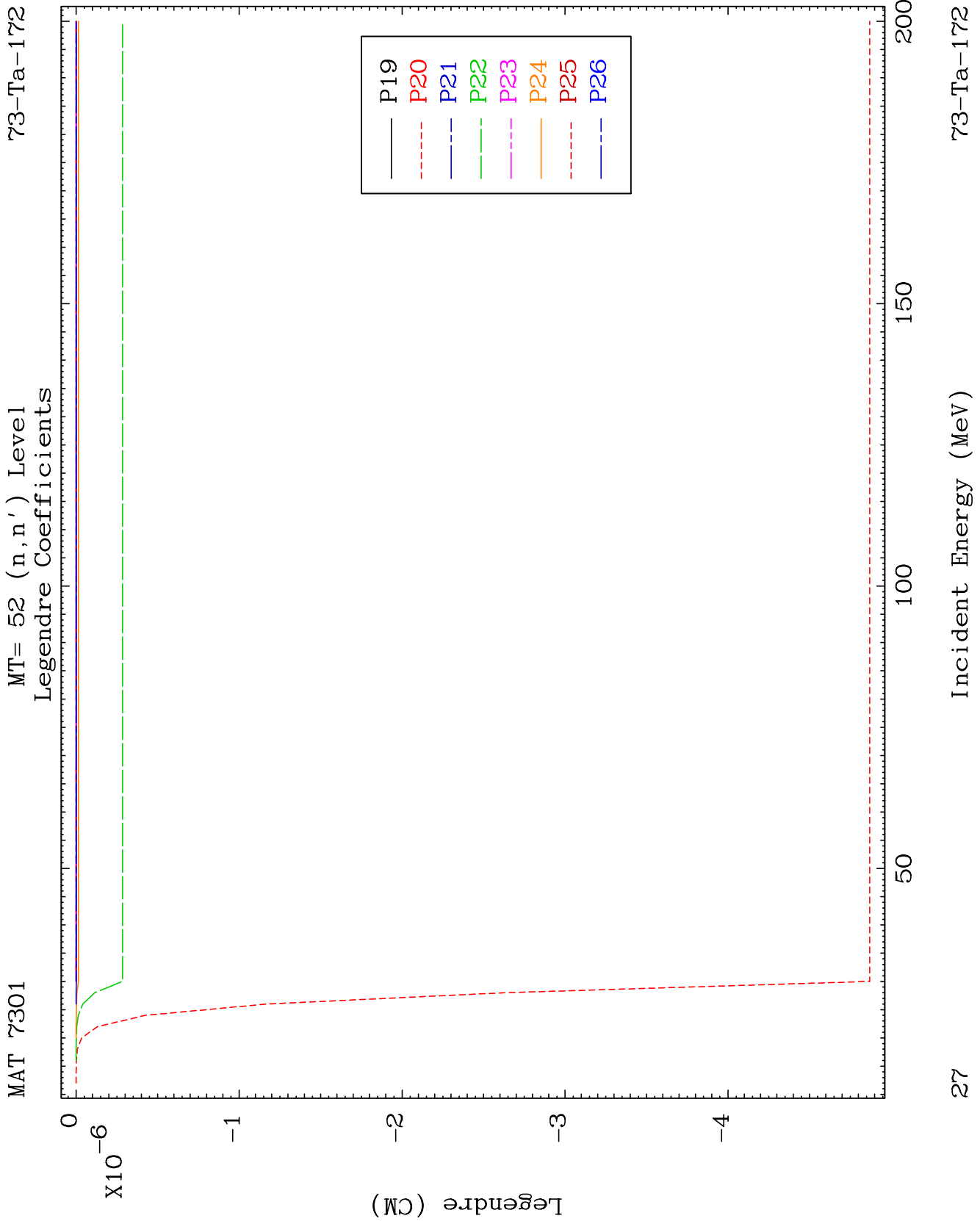


MAT 7301

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

73-Ta-172

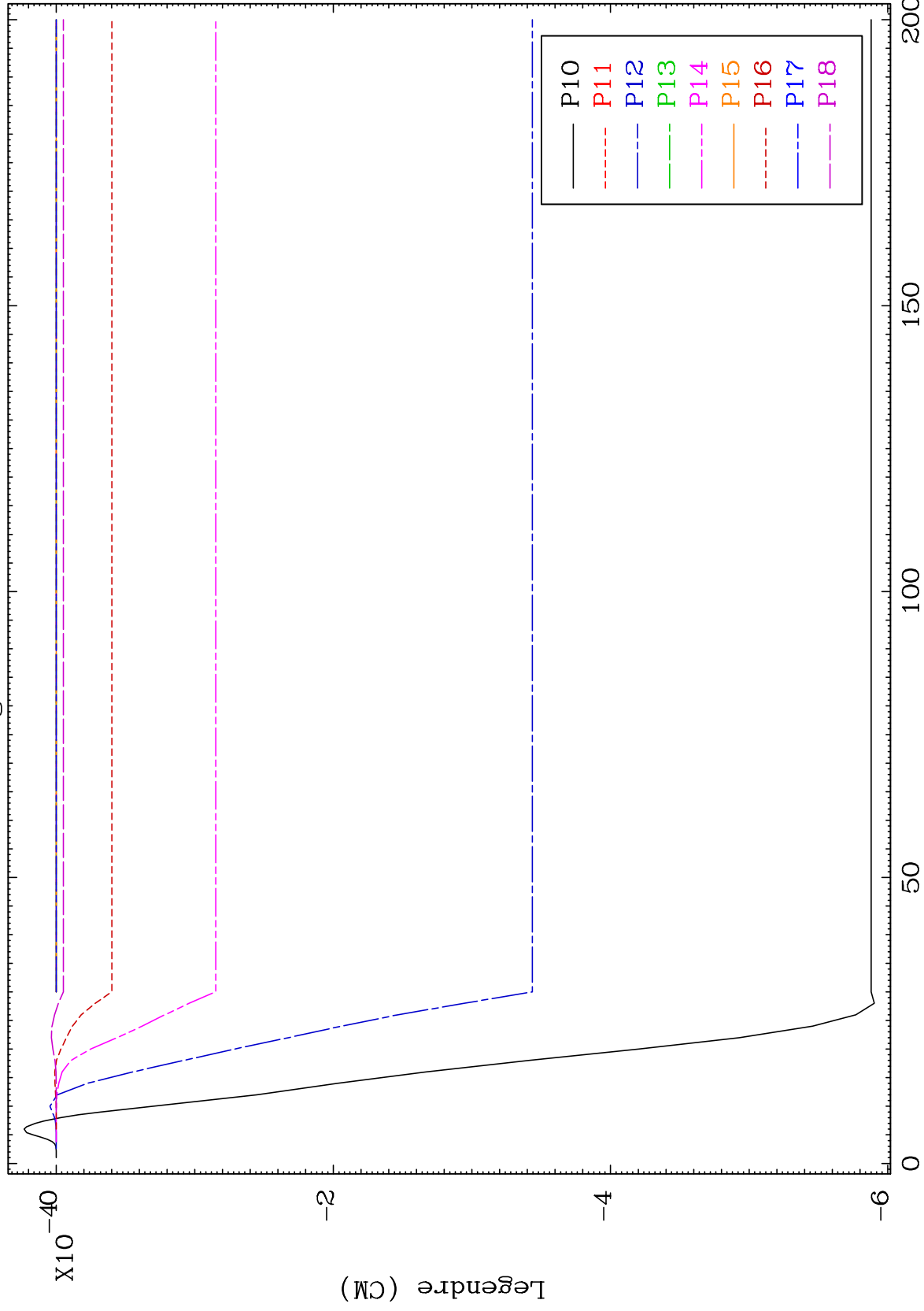




MAT 7301

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

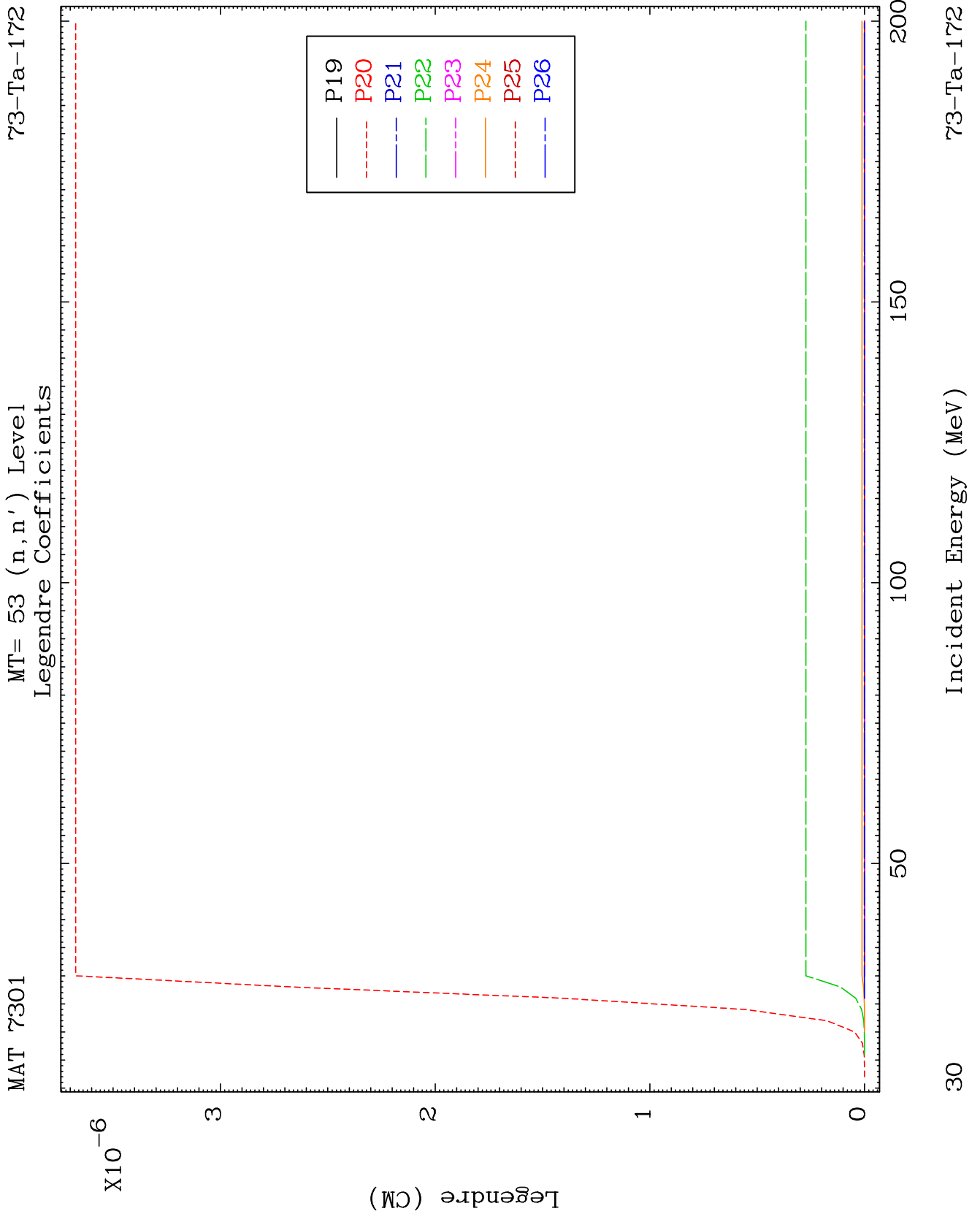
73-Ta-172



29

Incident Energy (MeV)

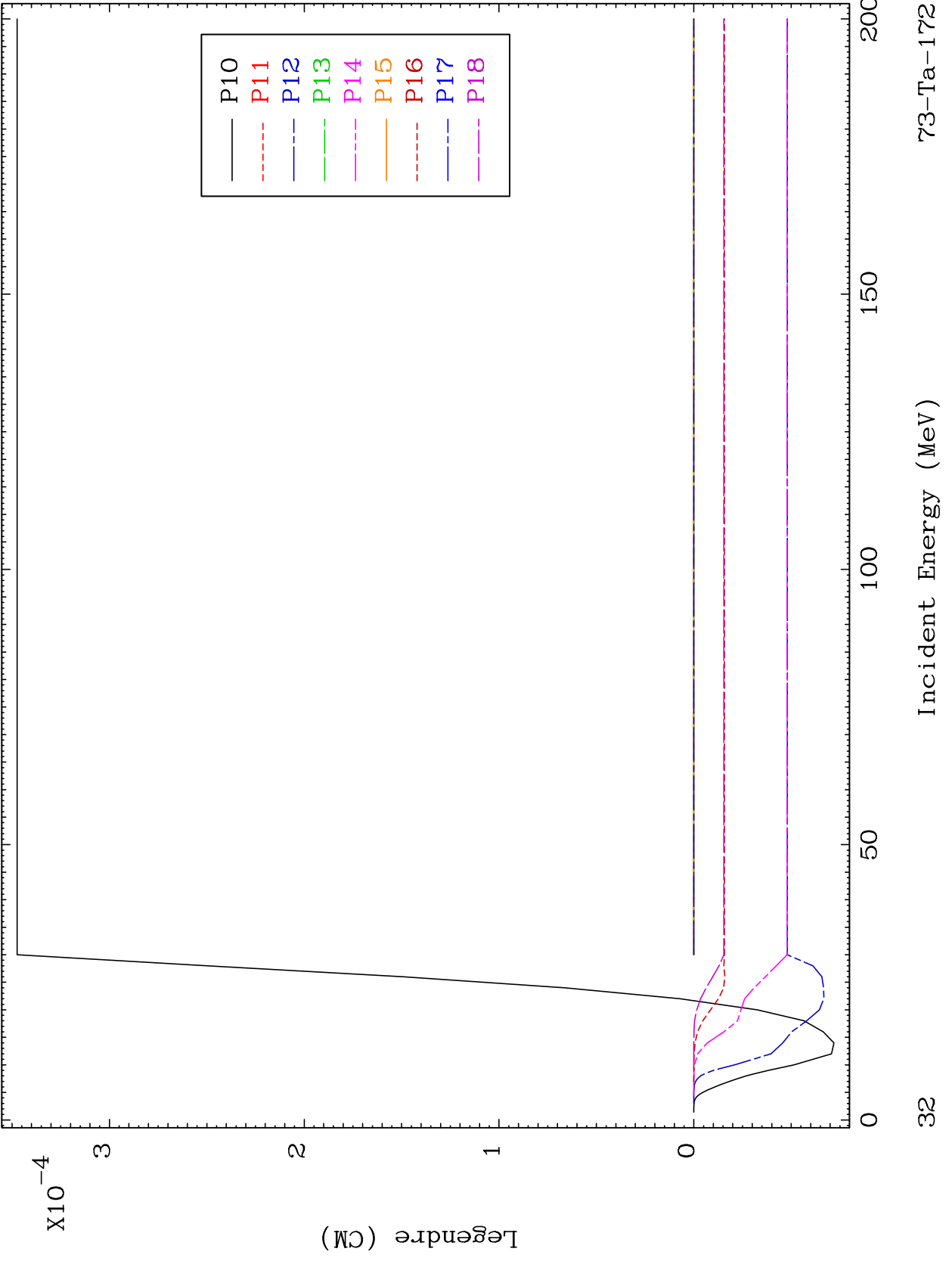
73-Ta-172



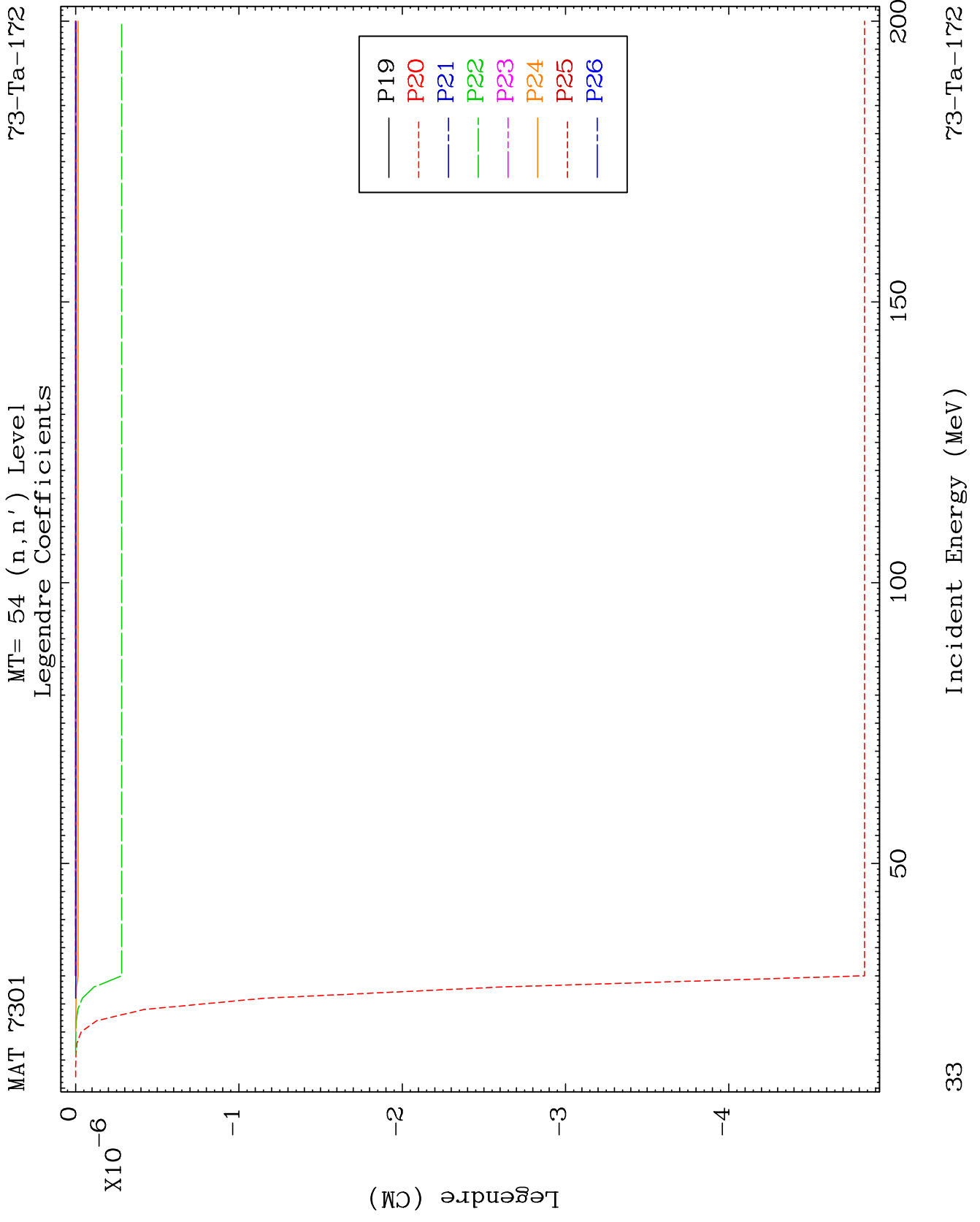
MAT 7301

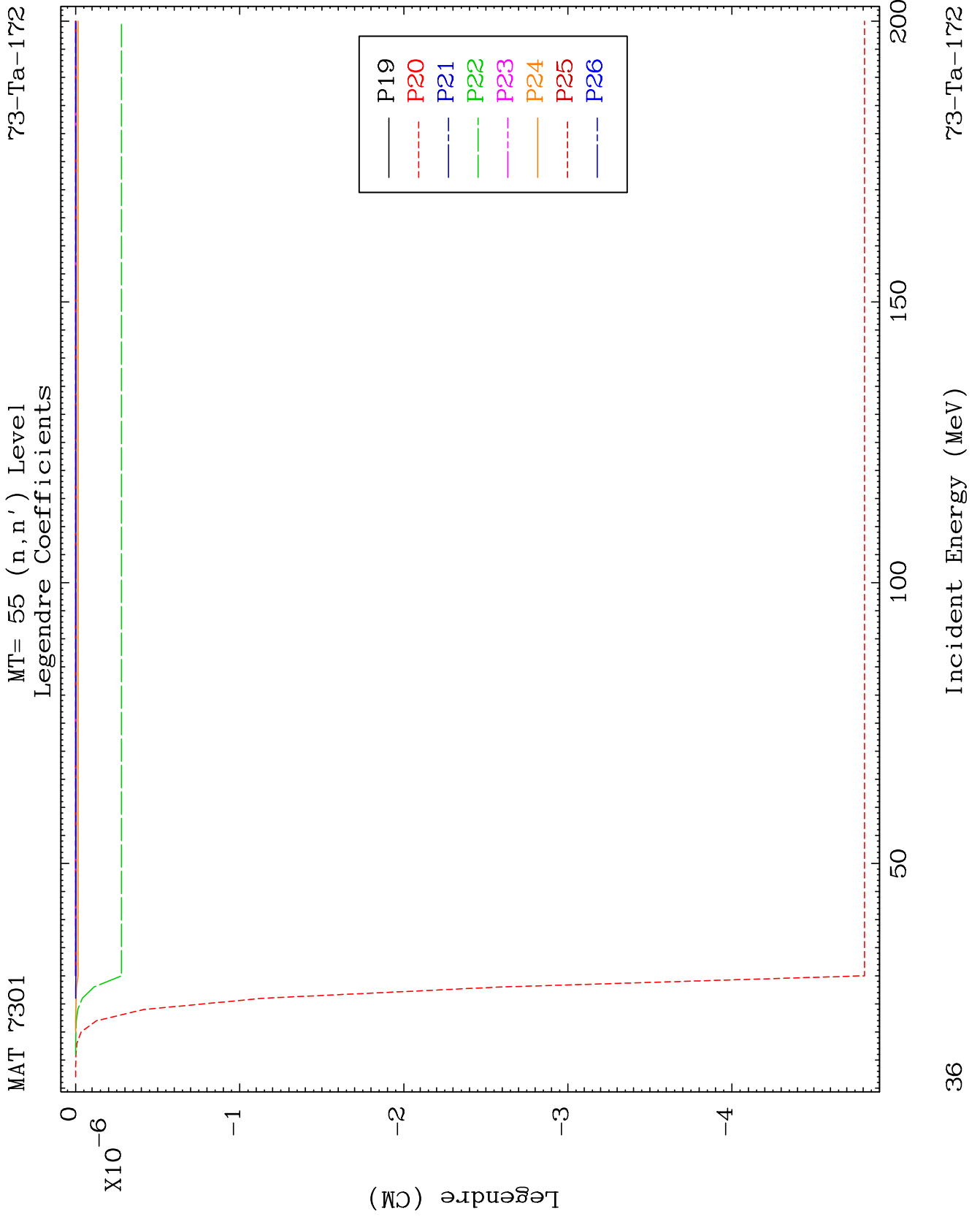
MT= 54 (n,n') Level
Legendre Coefficients

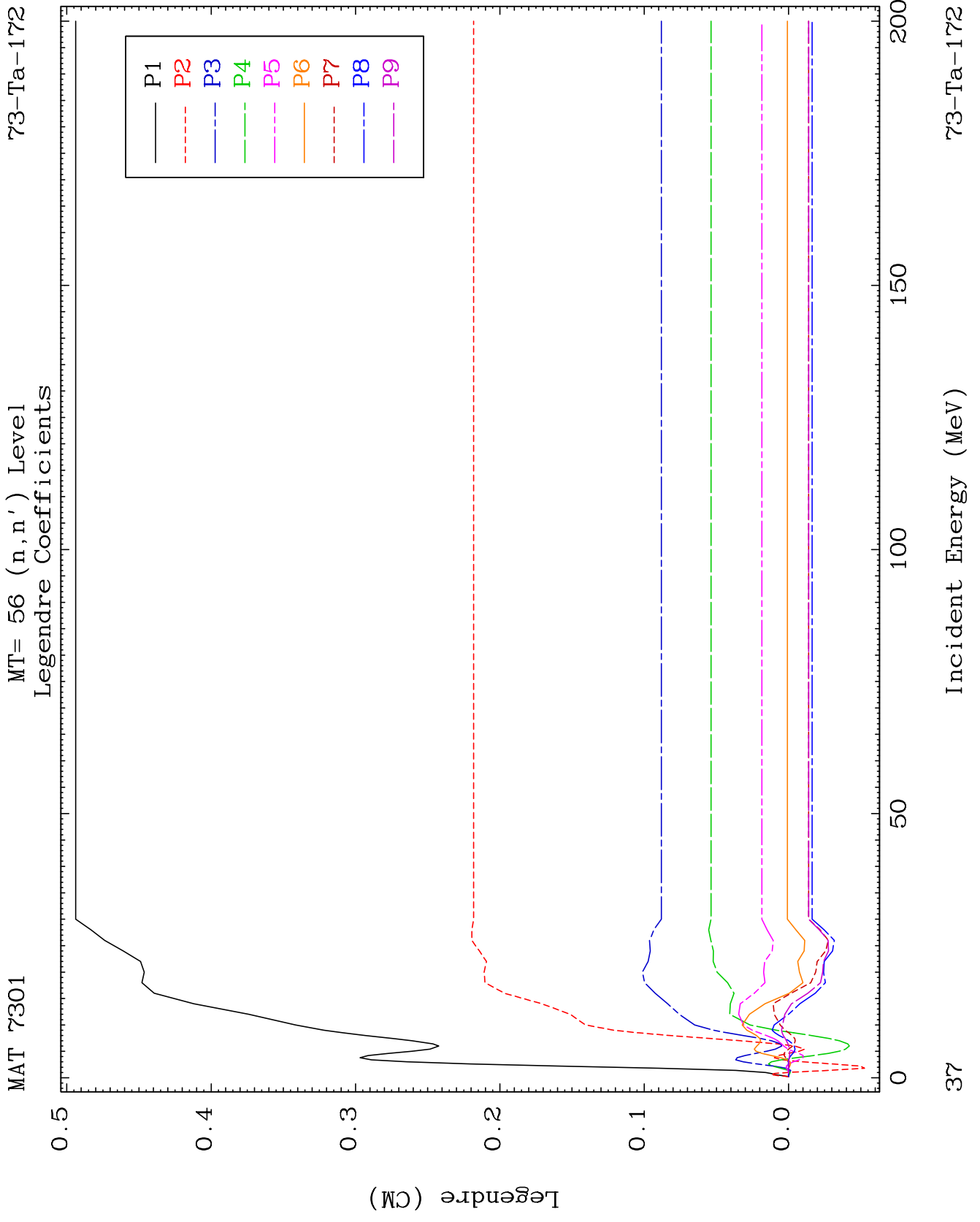
73-Ta-172



32



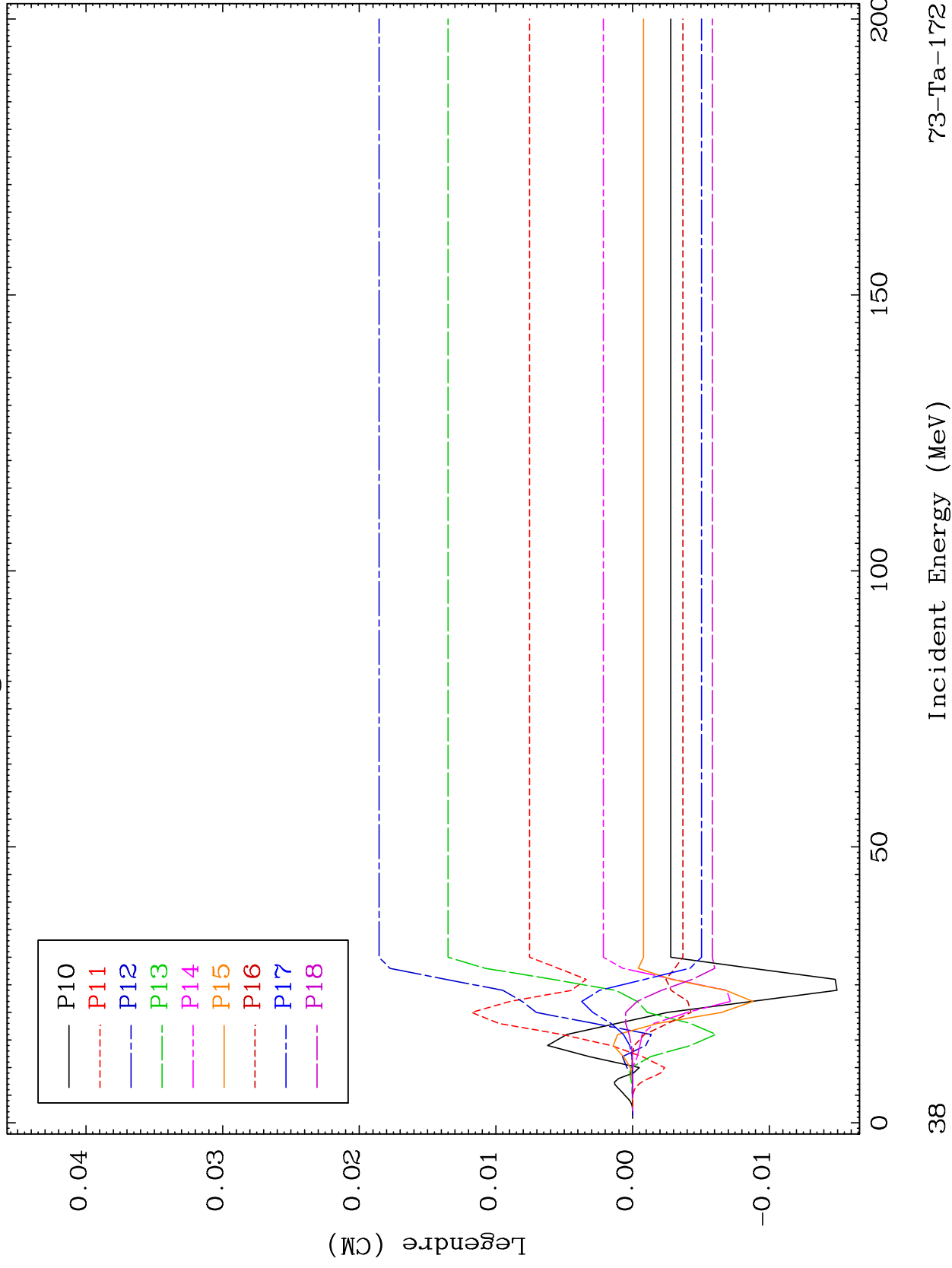




MAT 7301

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

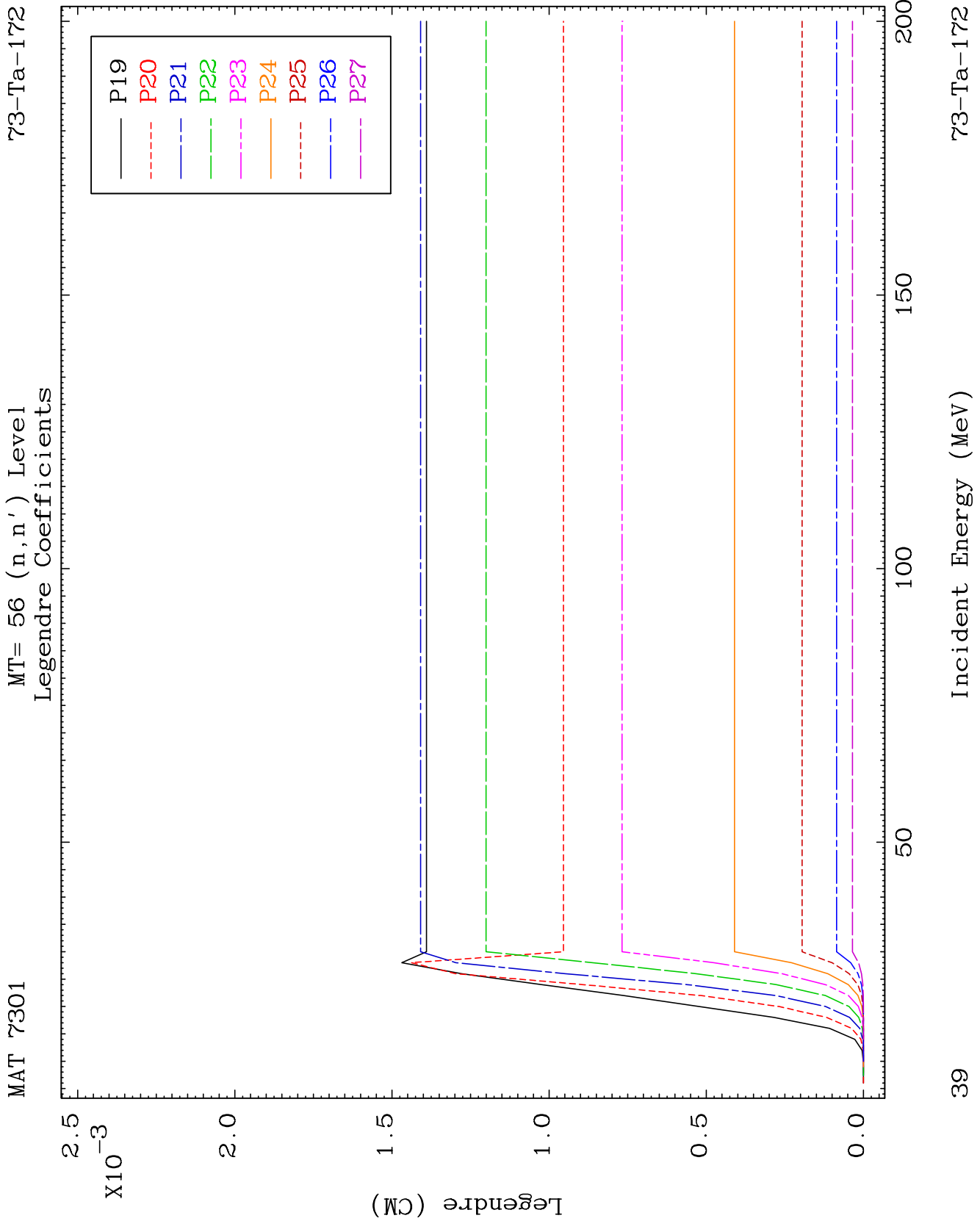
73-Ta-172

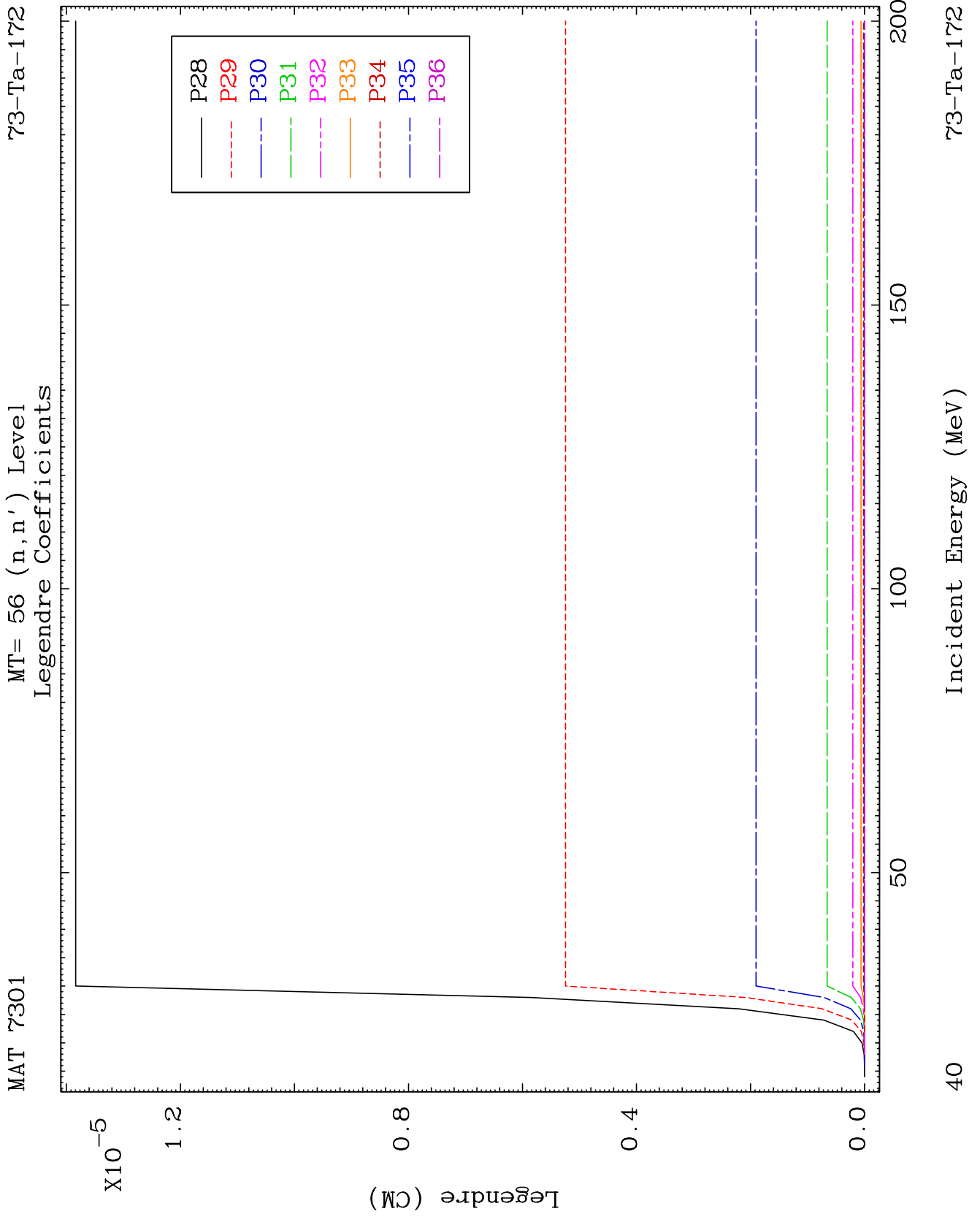


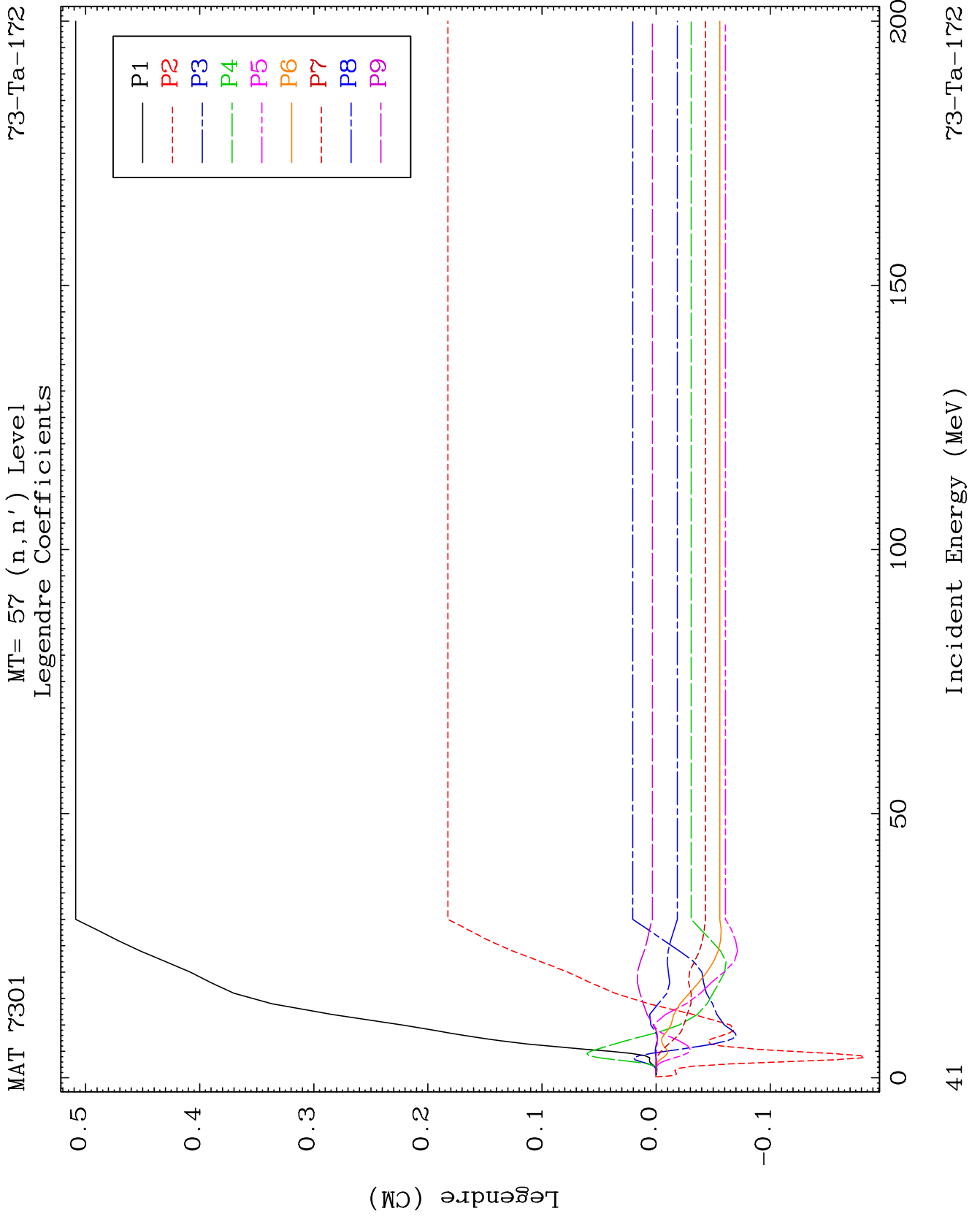
38

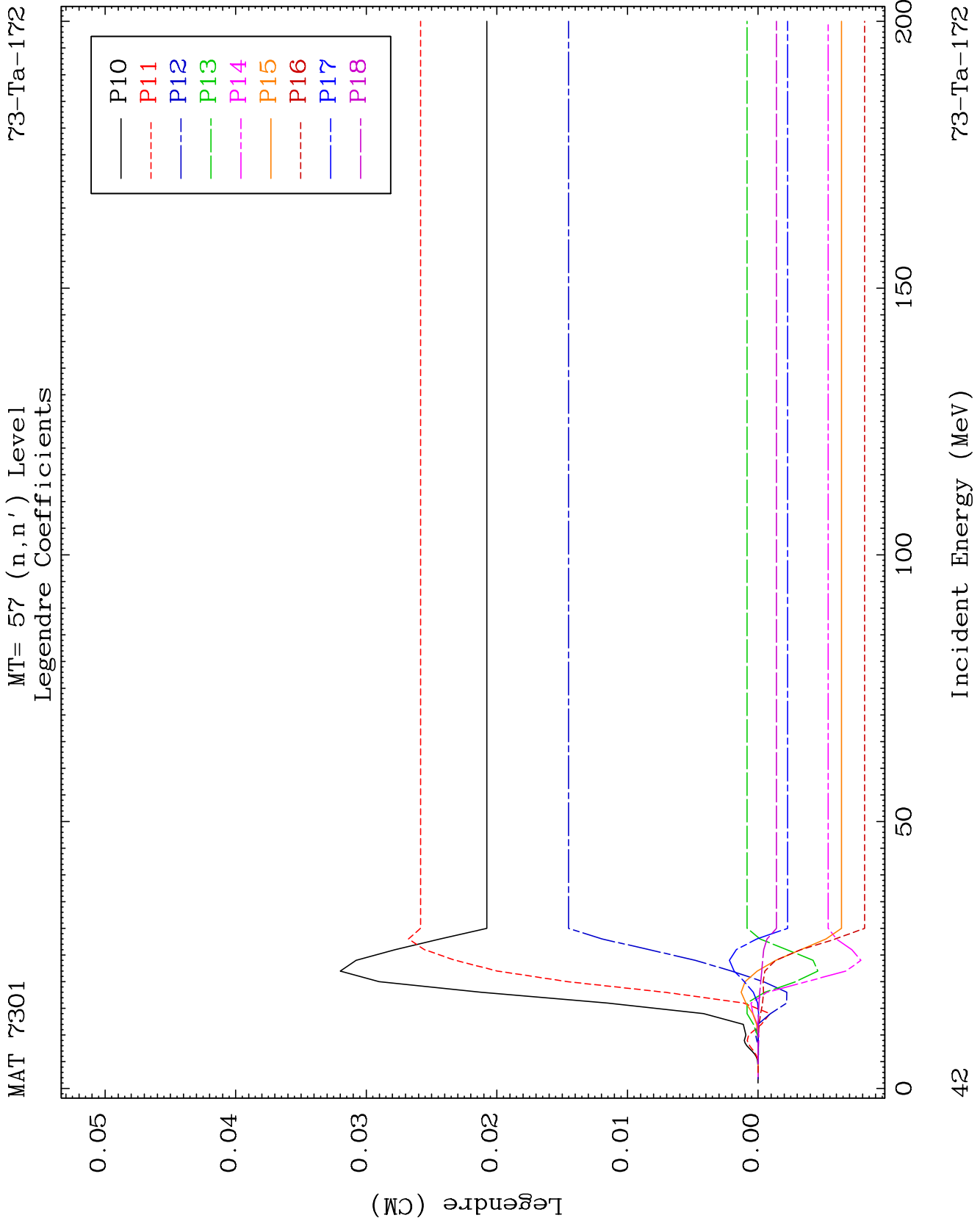
Incident Energy (MeV)

73-Ta-172





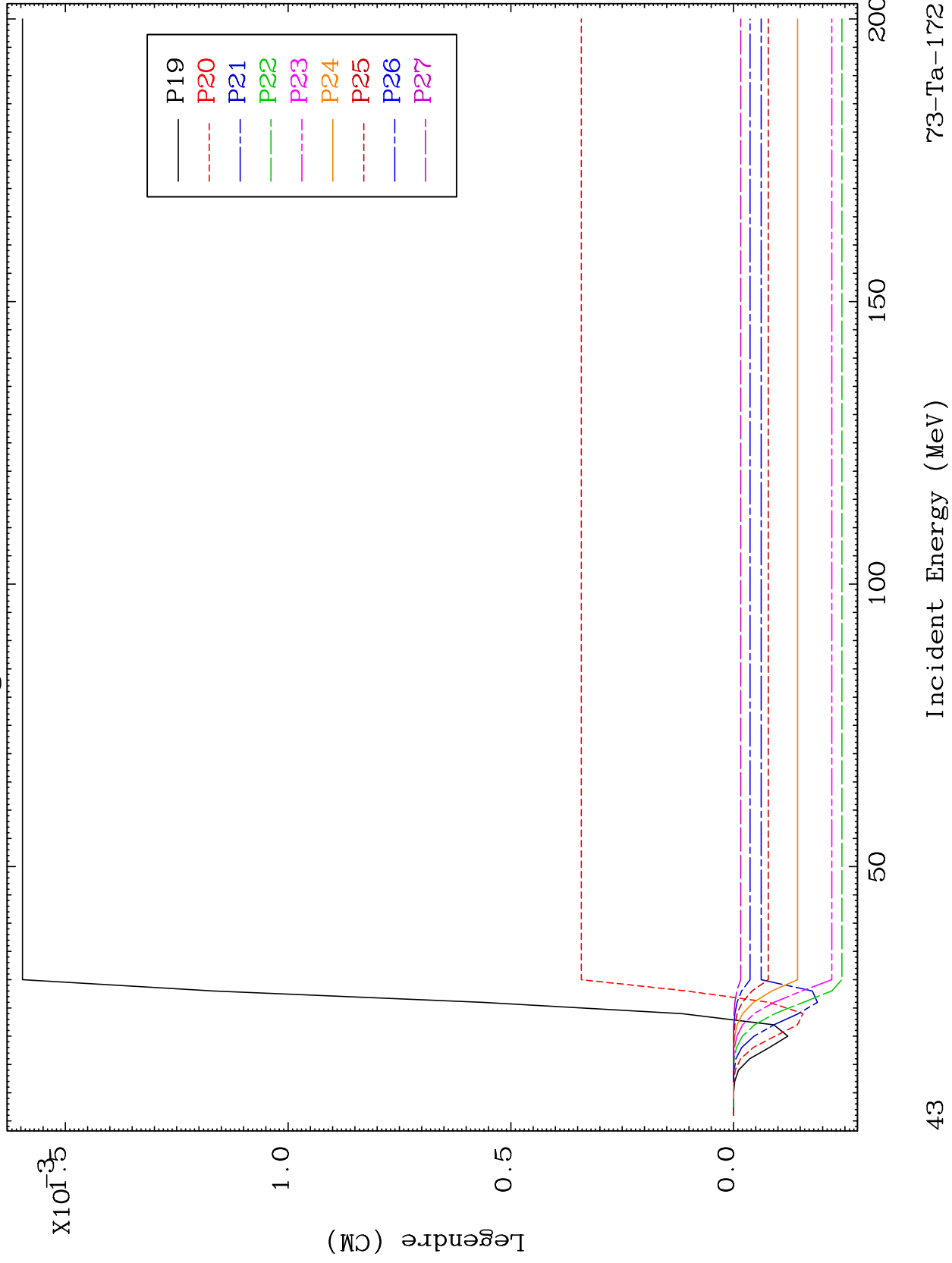




MAT 7301

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

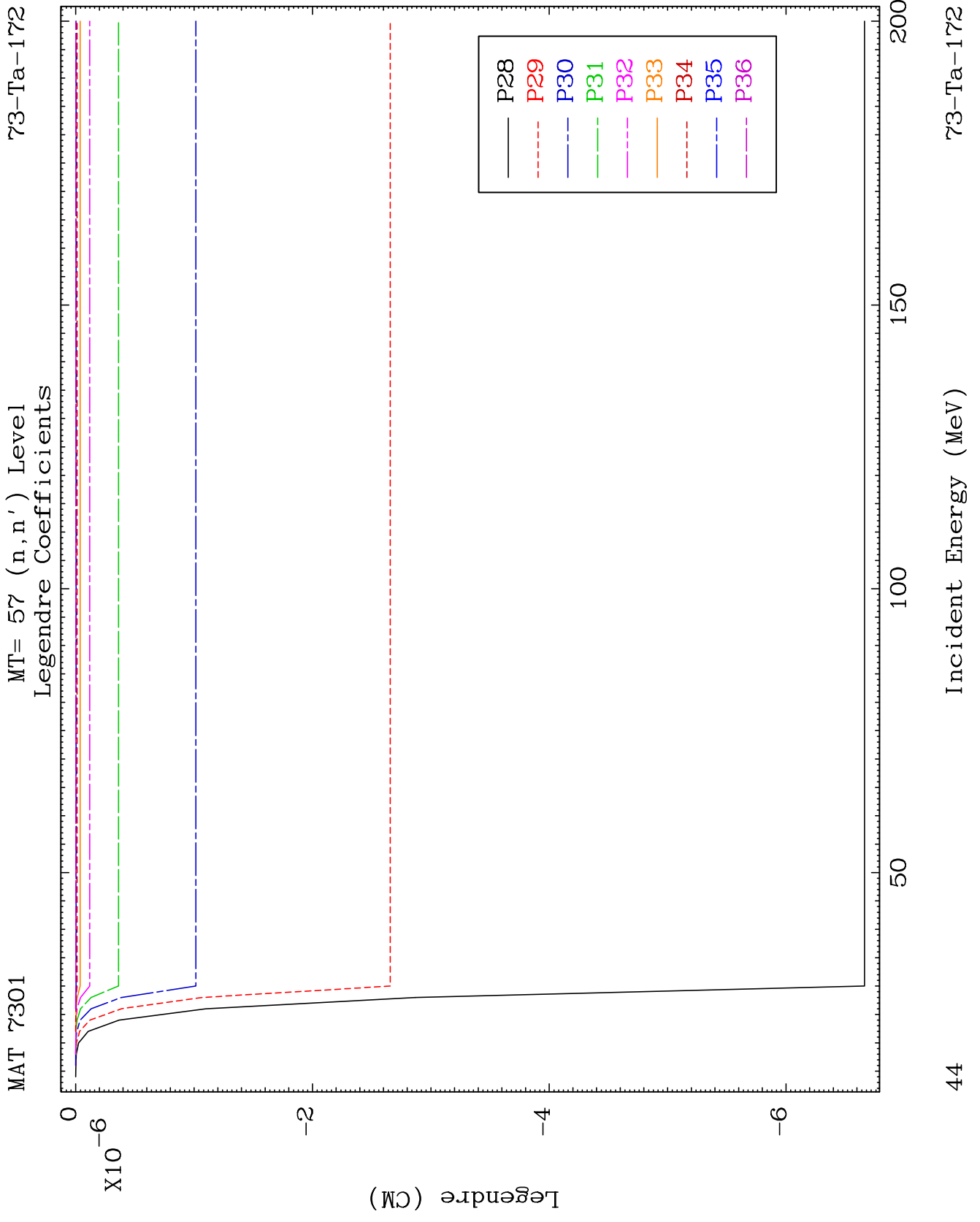
73-Ta-172

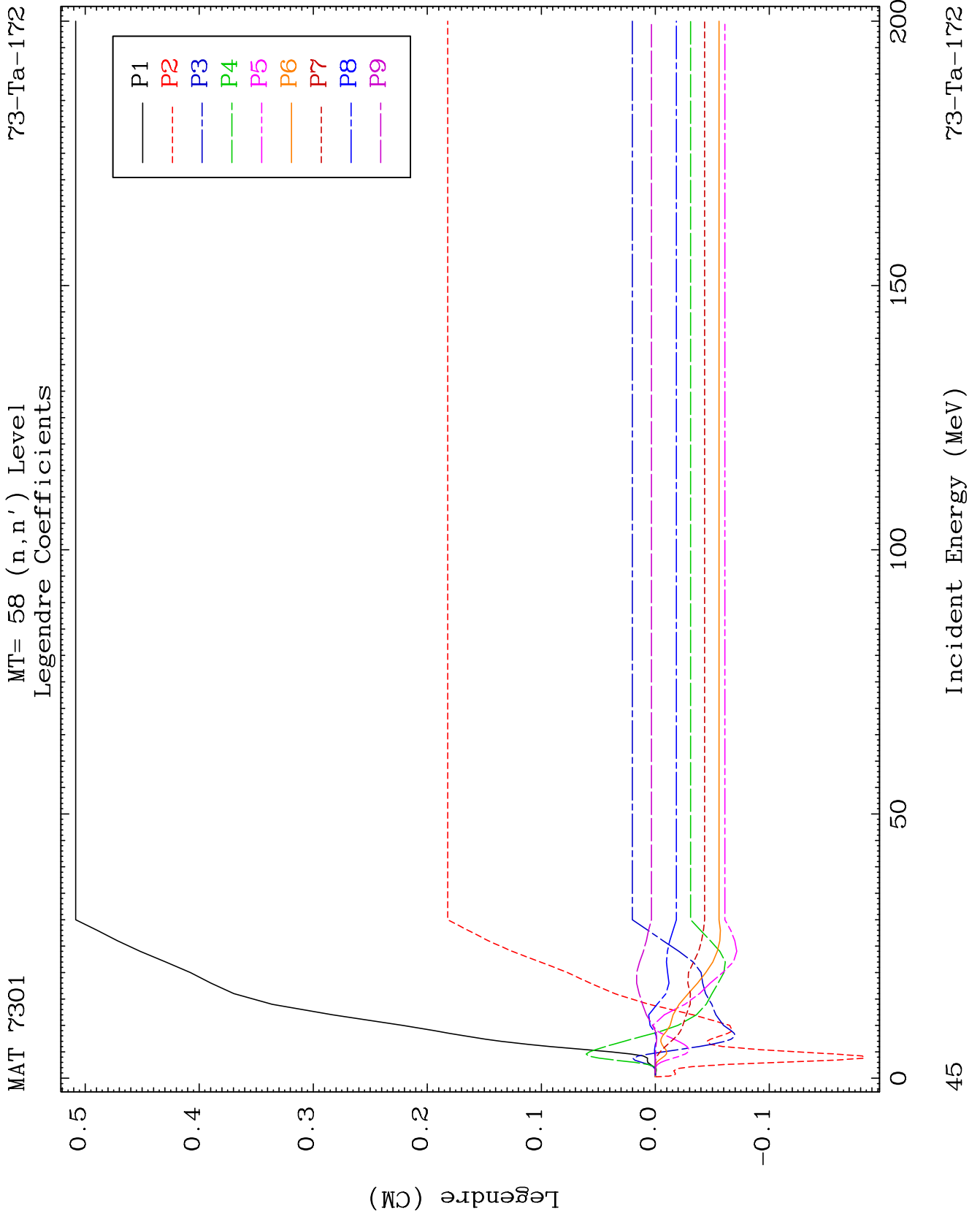


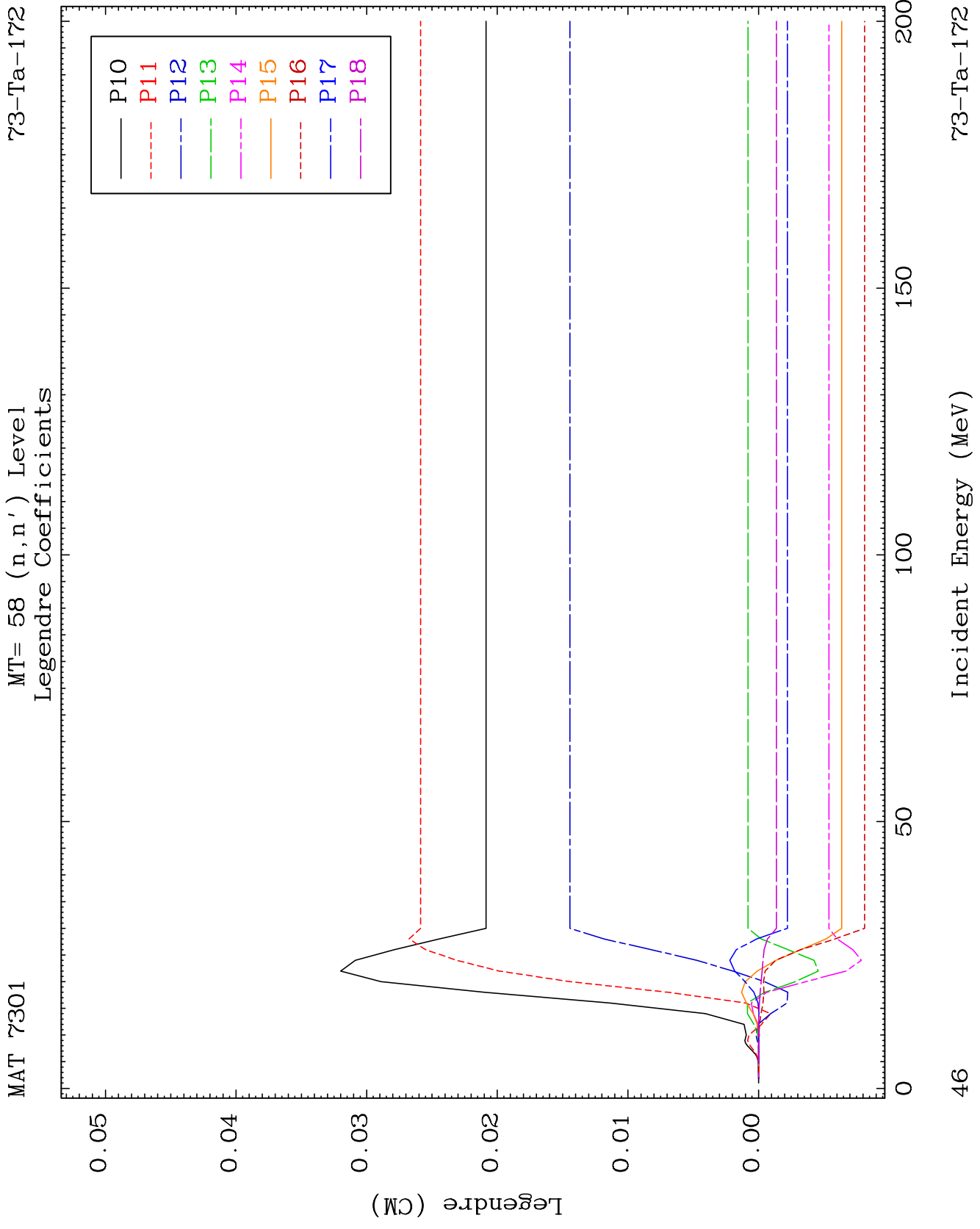
43

Incident Energy (MeV)

73-Ta-172



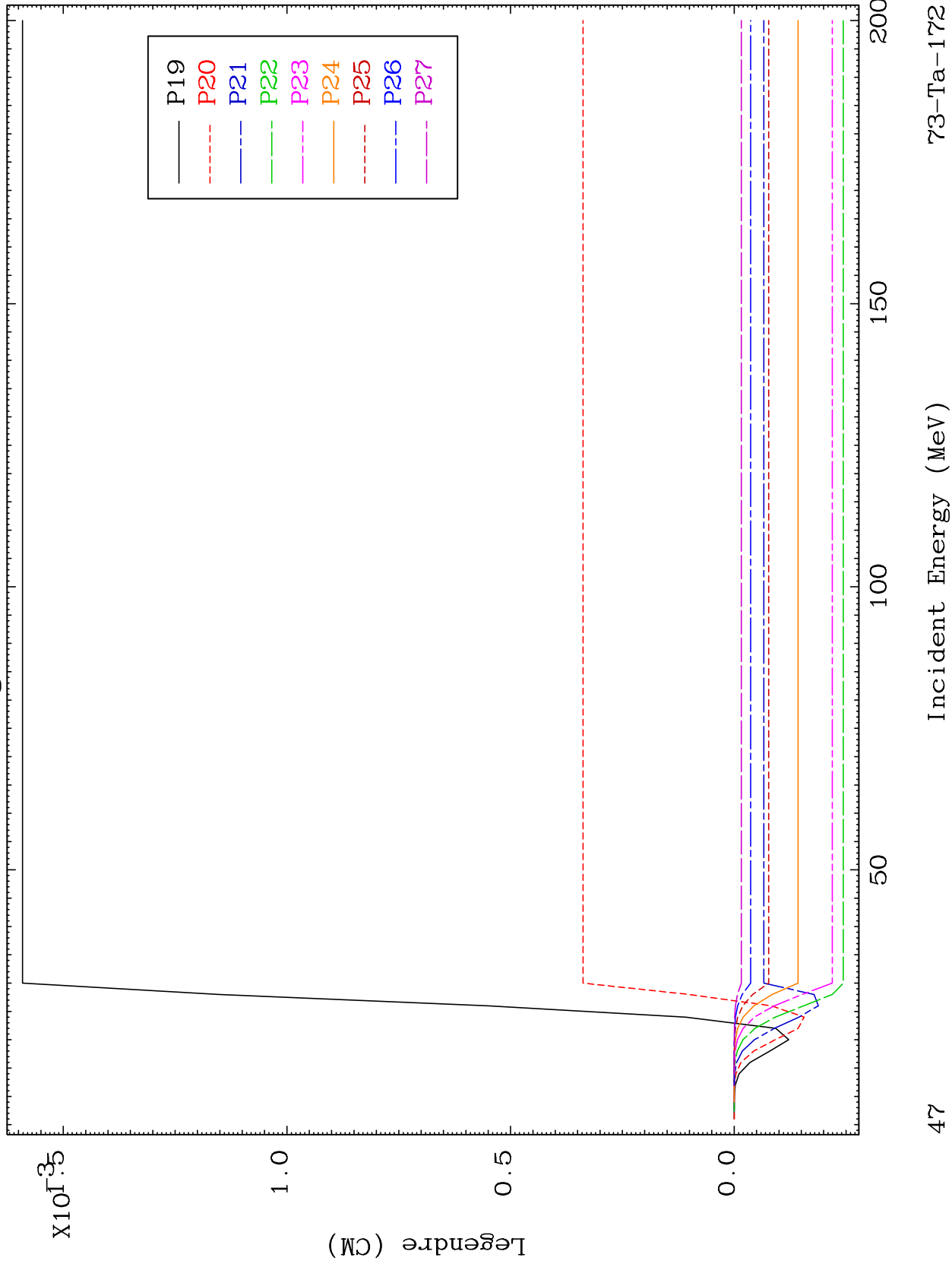


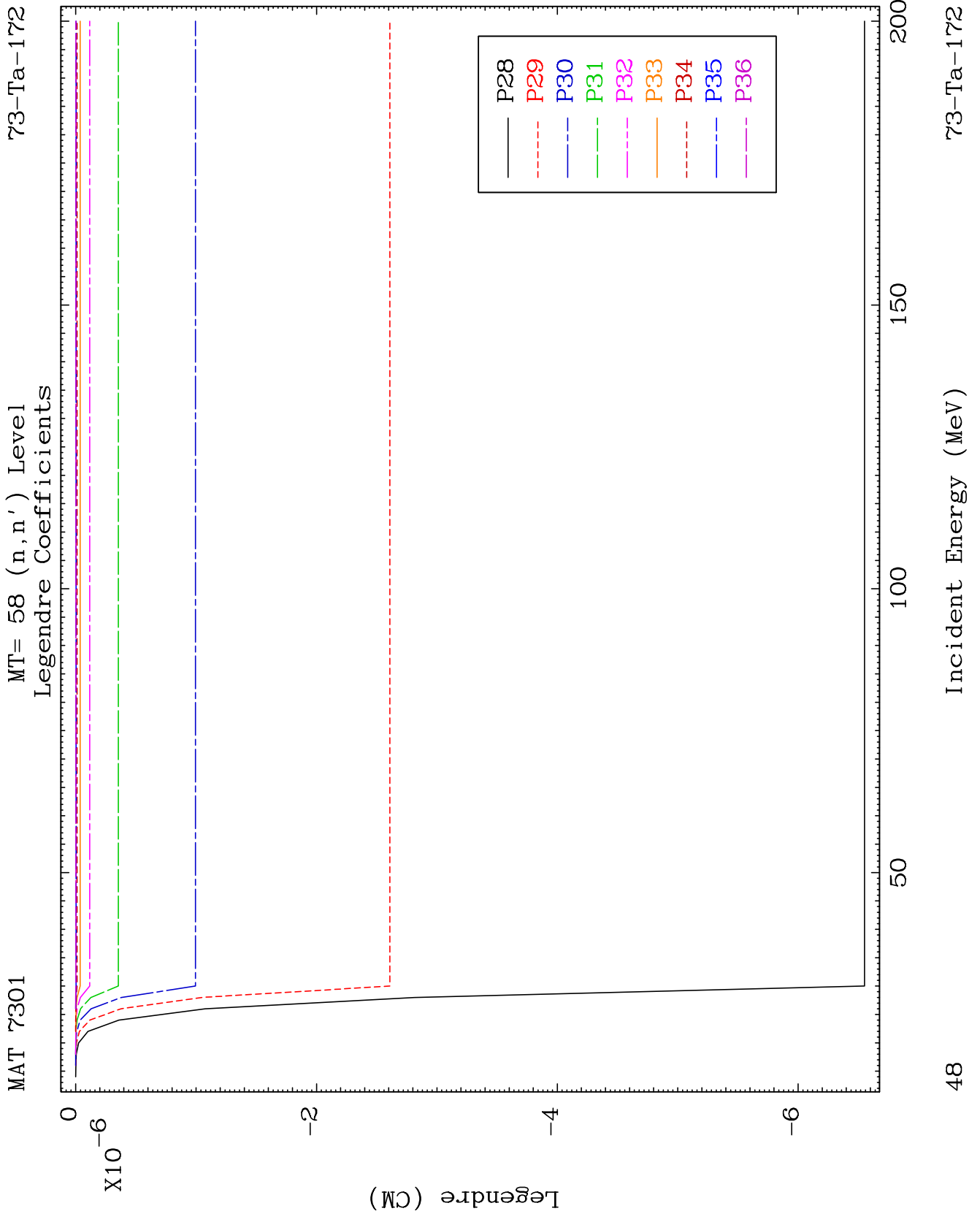


MAT 7301

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

73-Ta-172

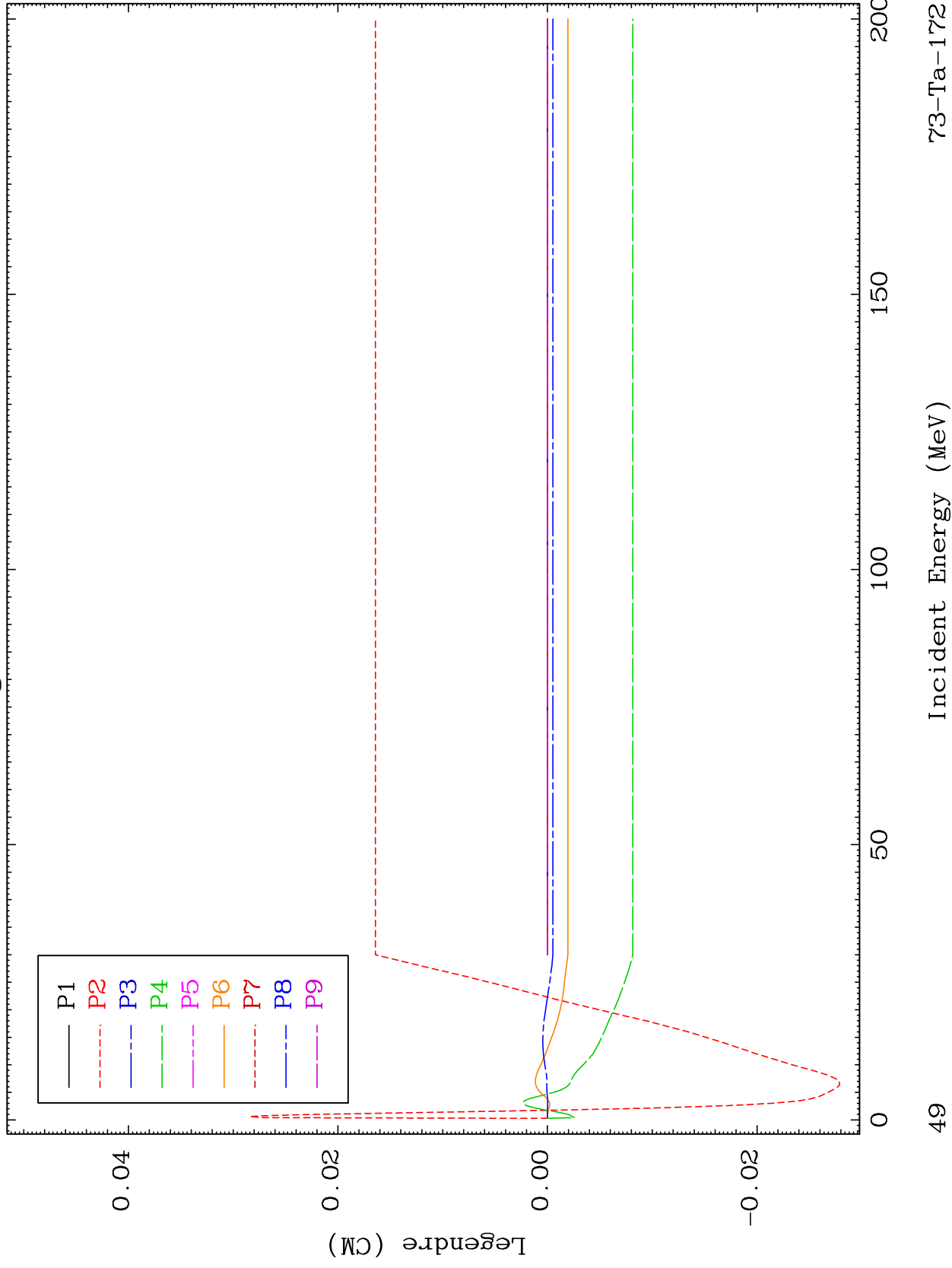




MAT 7301

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

73-Ta-172



49

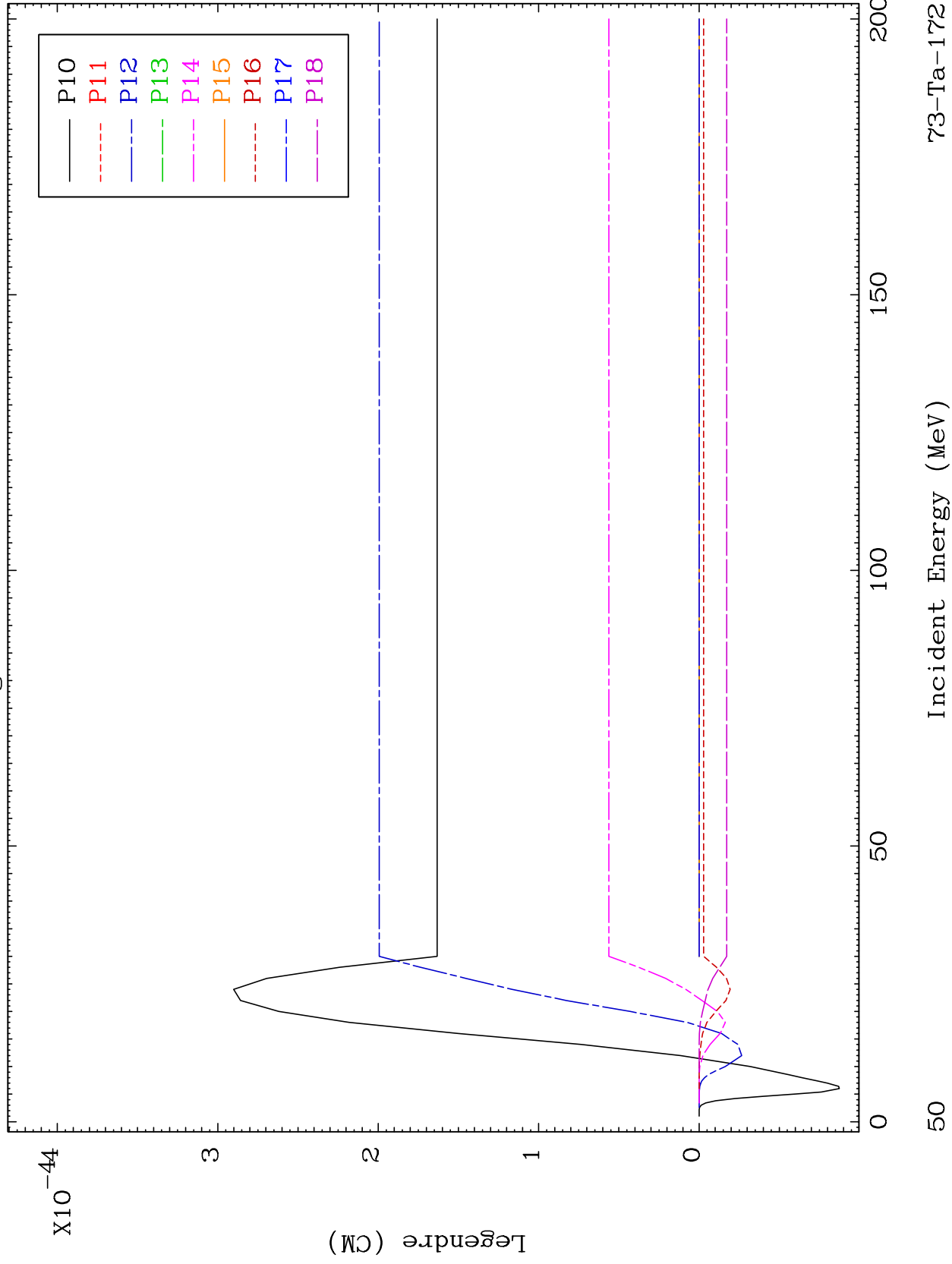
Incident Energy (MeV)

73-Ta-172

MAT 7301

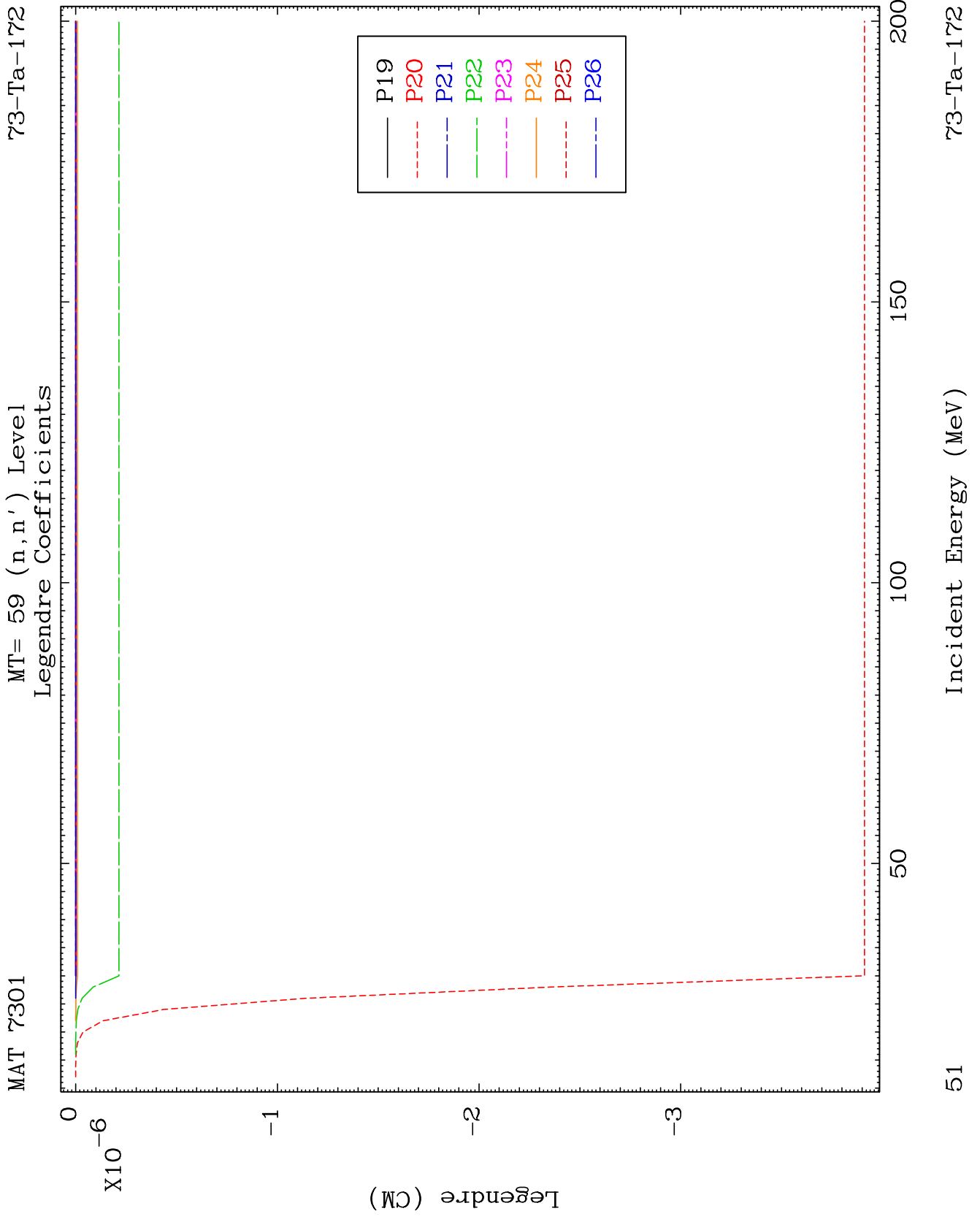
MT= 59 (n,n') Level
Legendre Coefficients

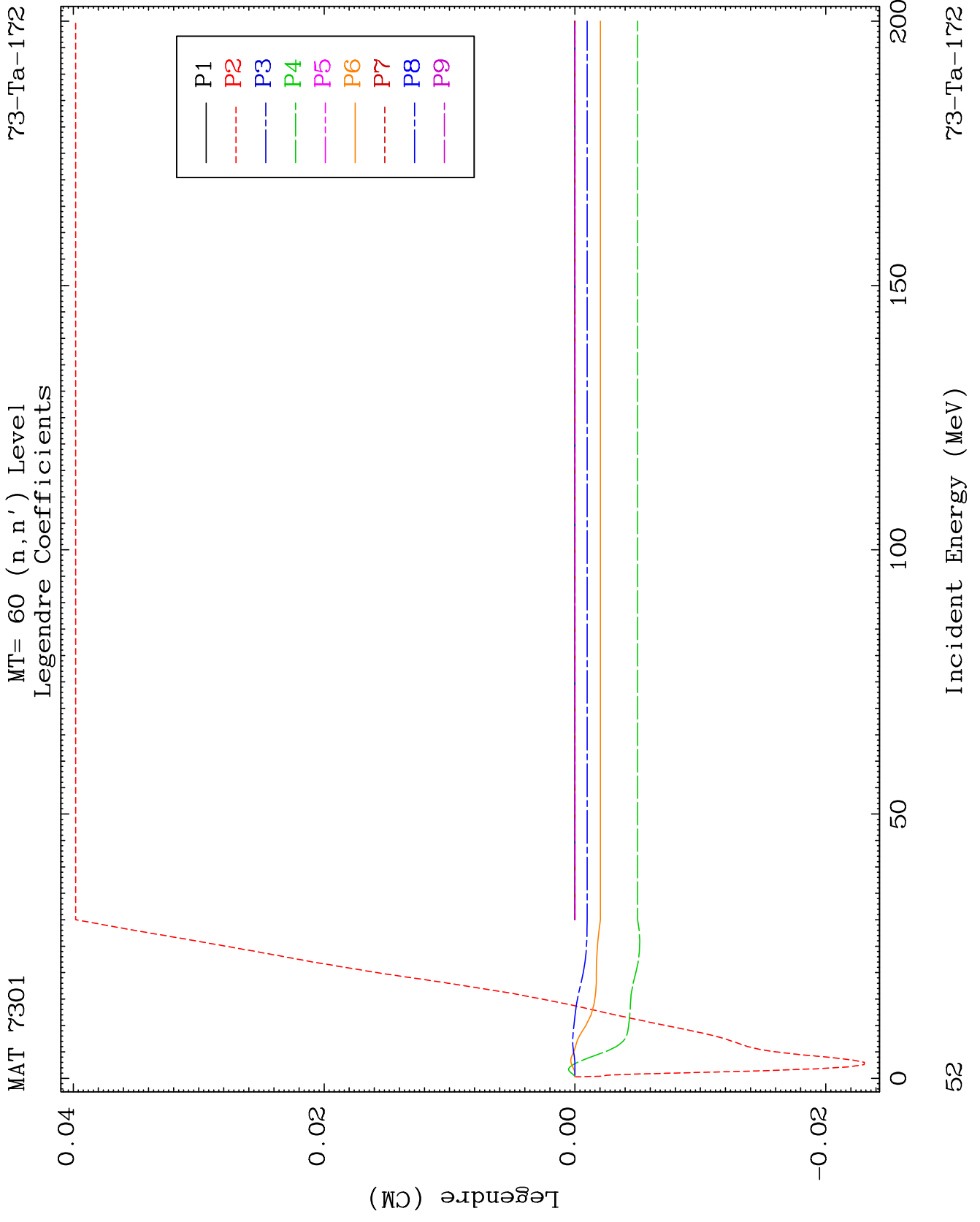
73-Ta-172



73-Ta-172

Incident Energy (MeV)

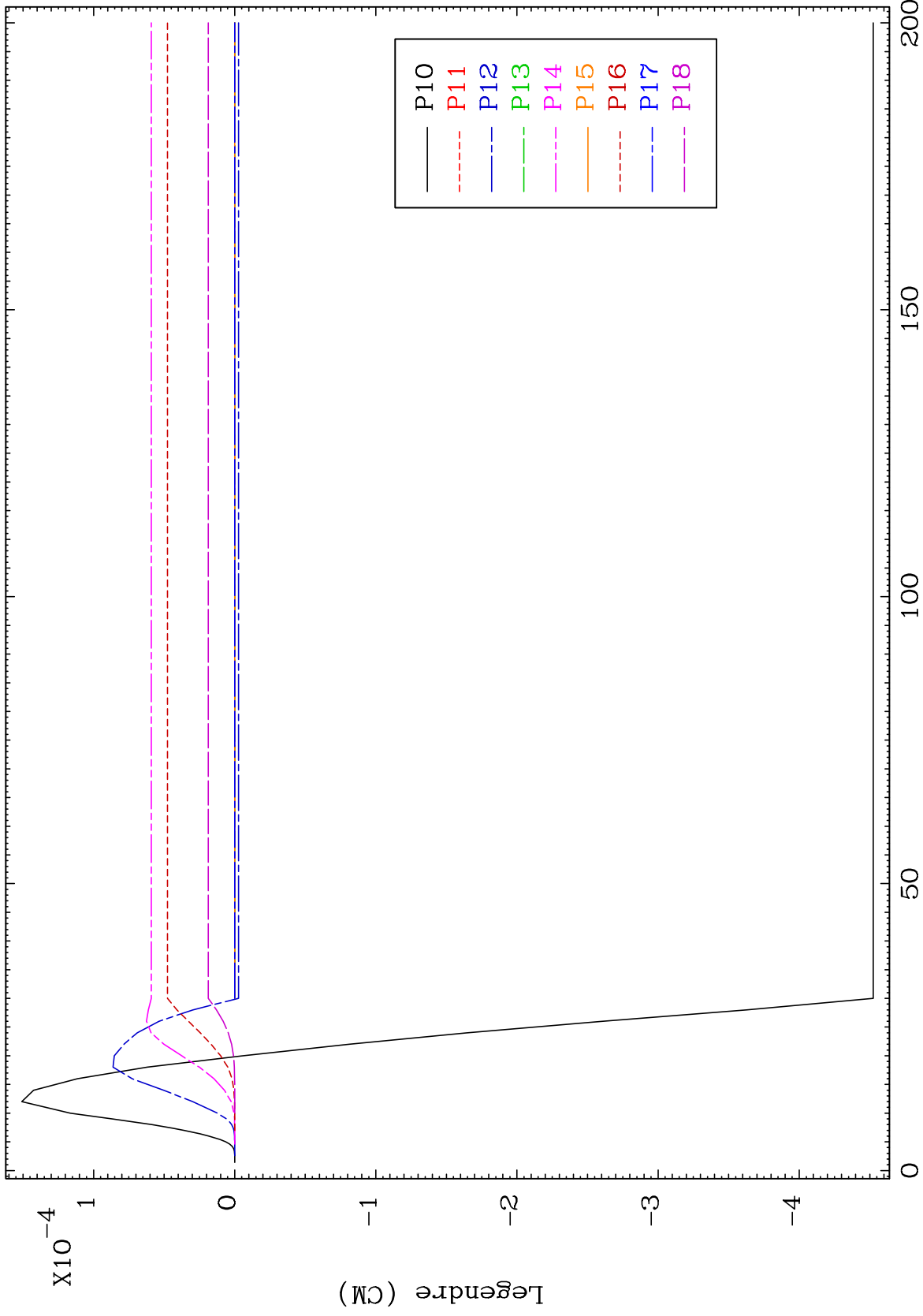




MAT 7301

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

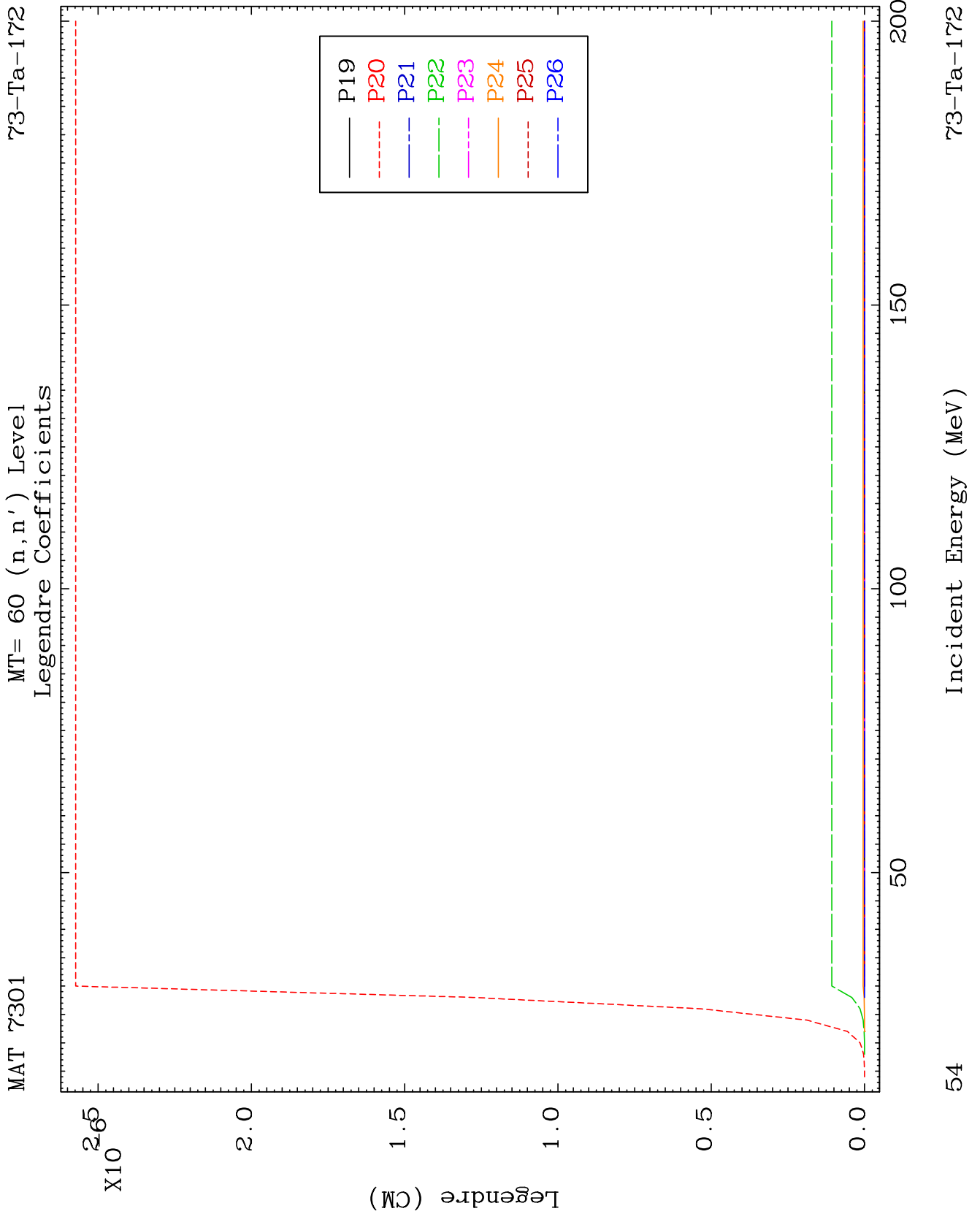
73-Ta-172



53

Incident Energy (MeV)

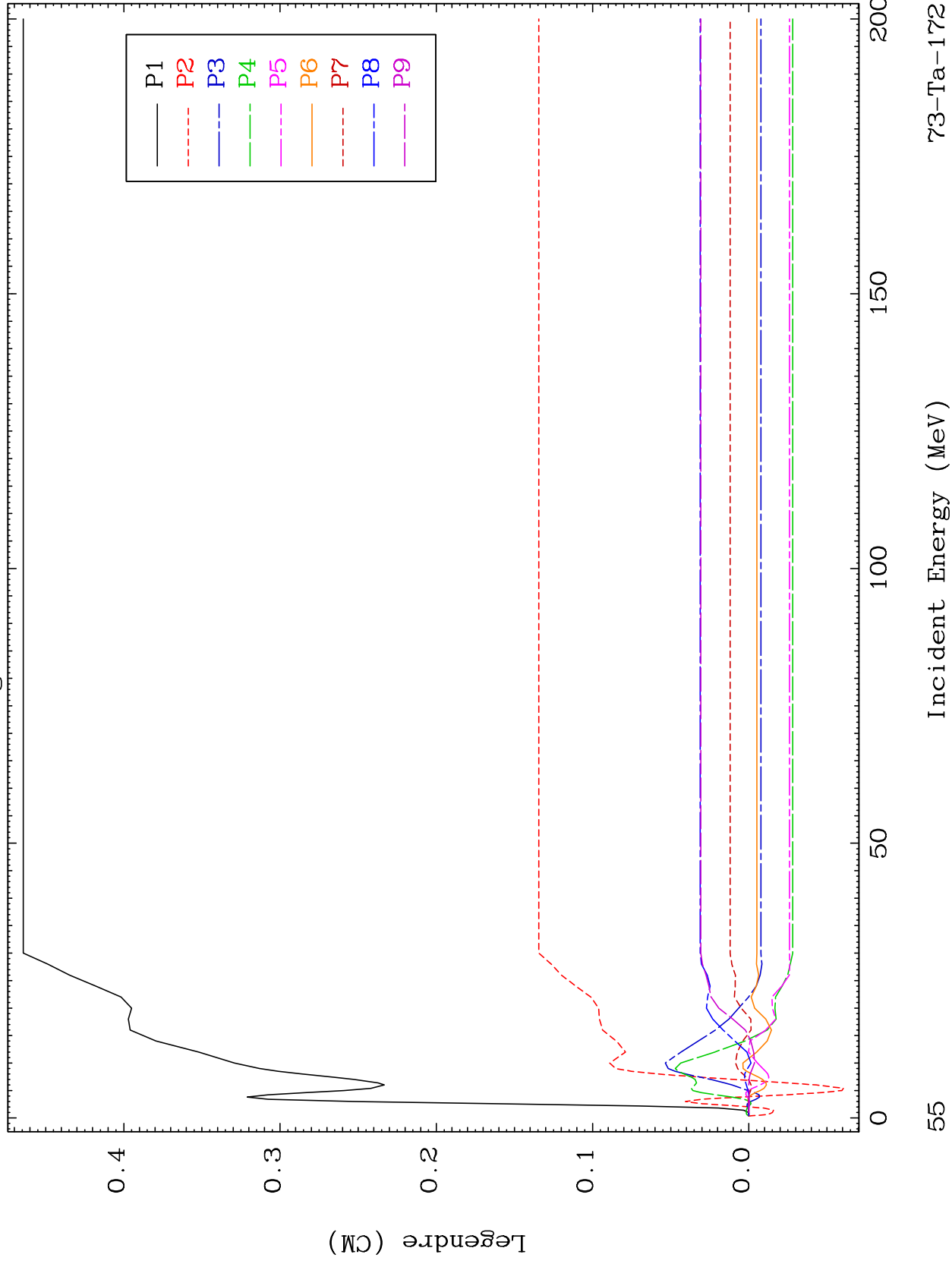
73-Ta-172



MAT 7301

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

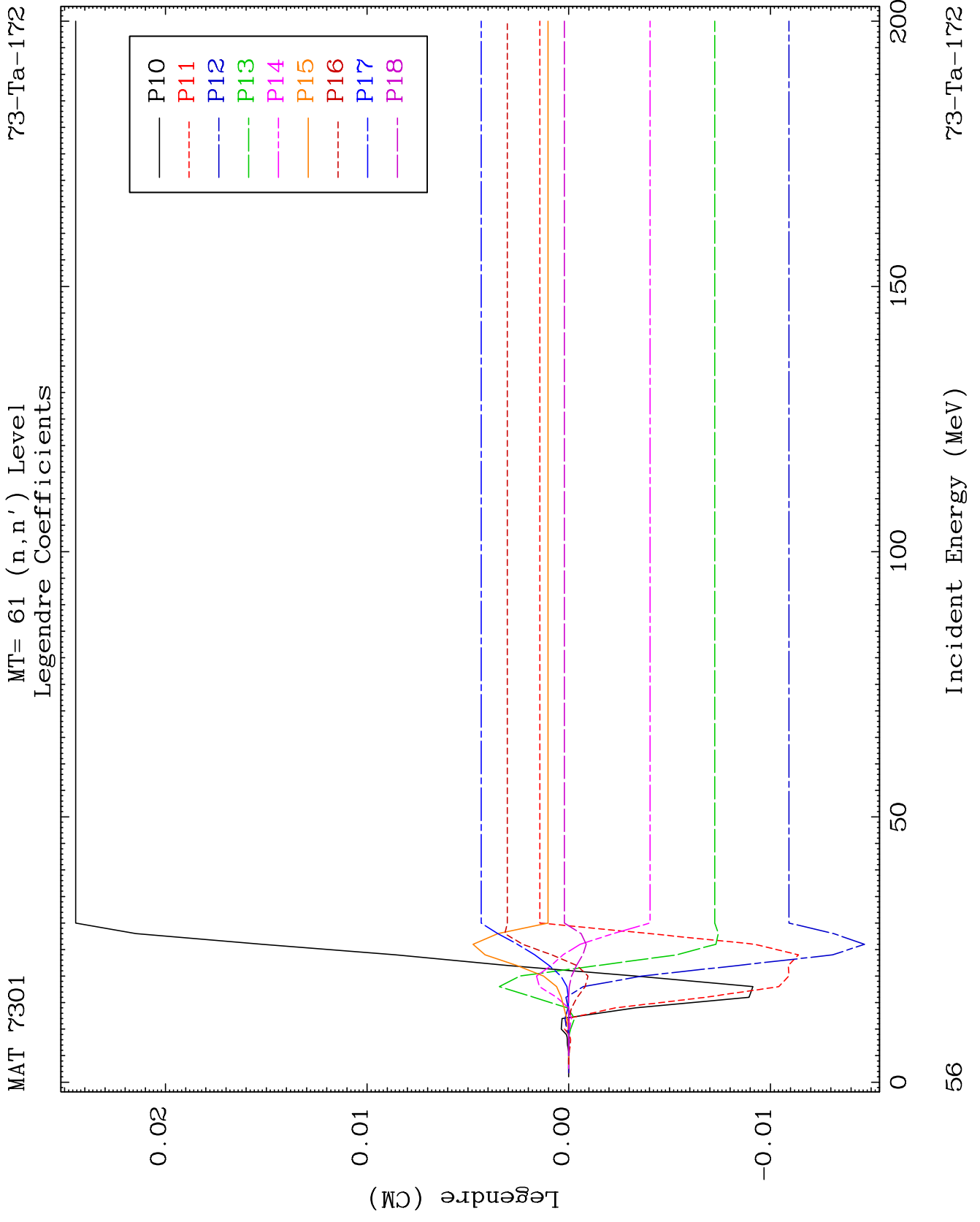
73-Ta-172

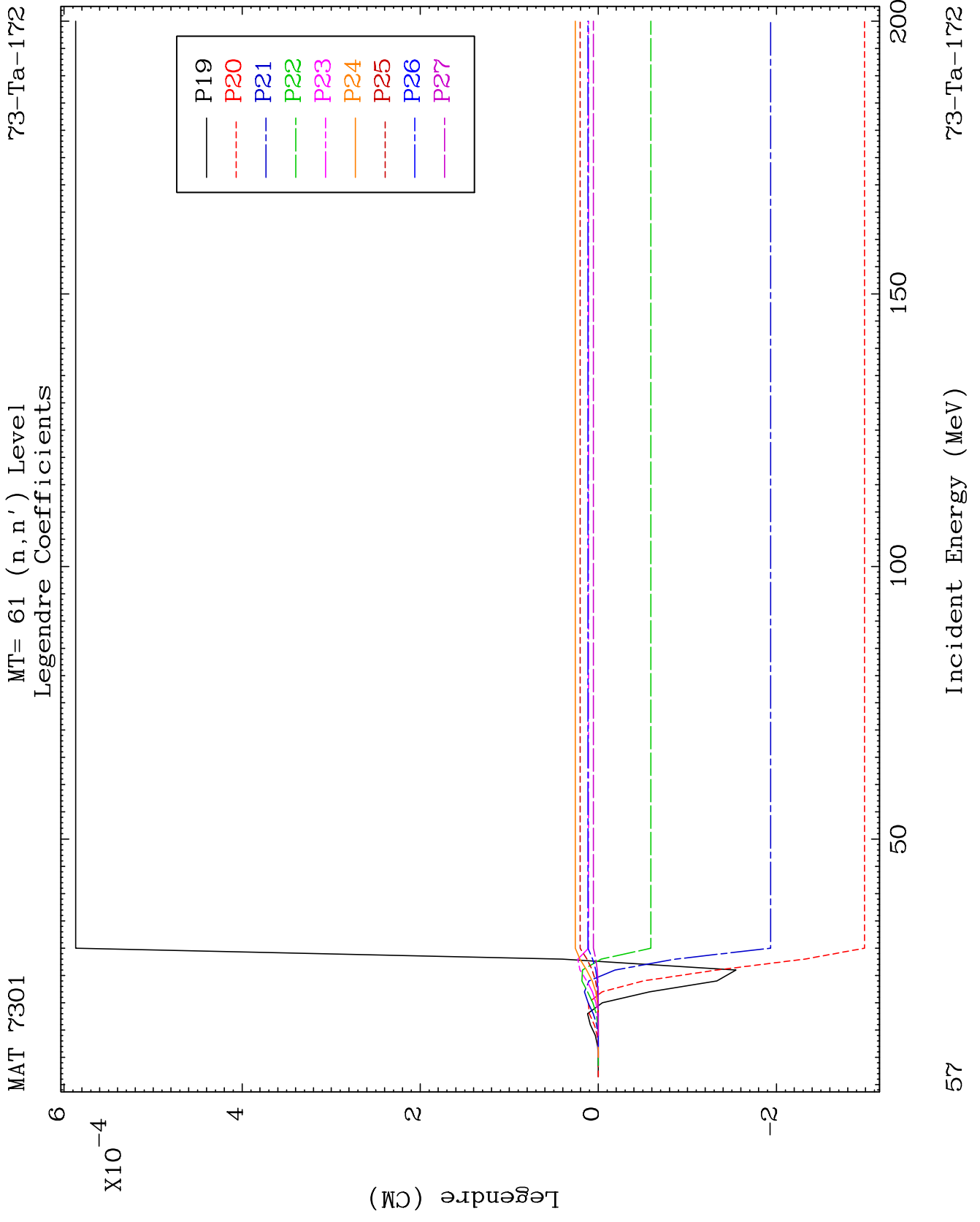


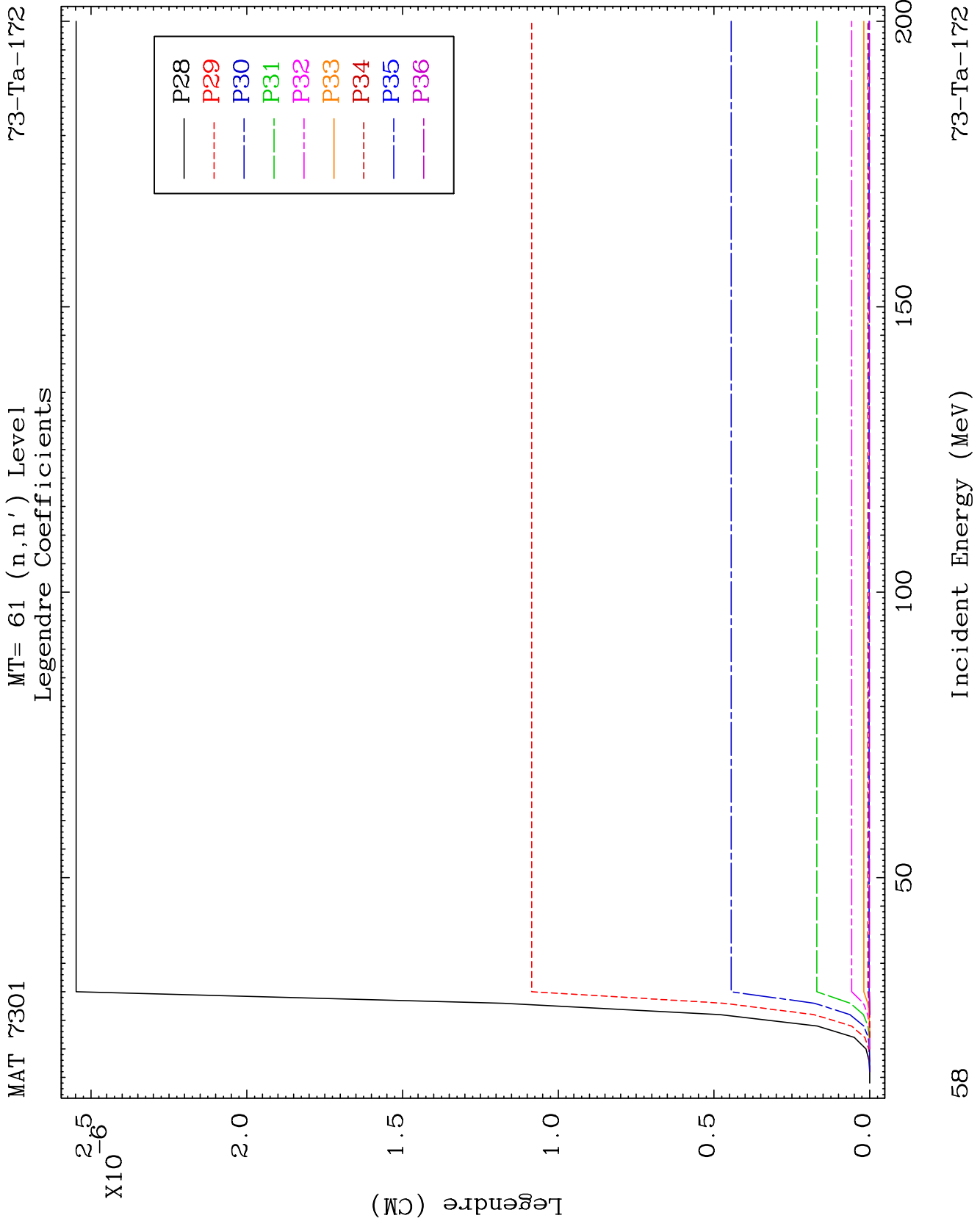
73-Ta-172

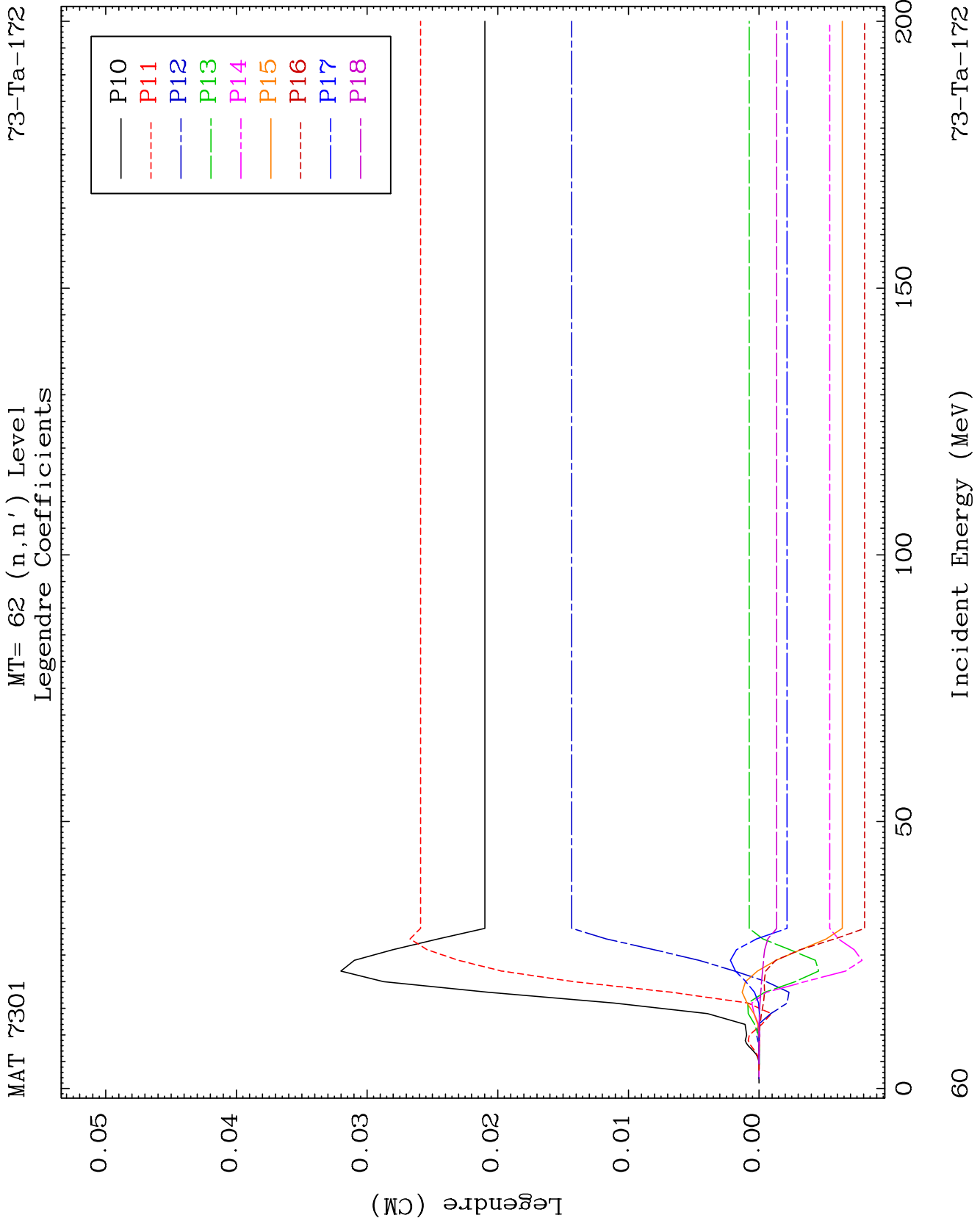
Incident Energy (MeV)

55





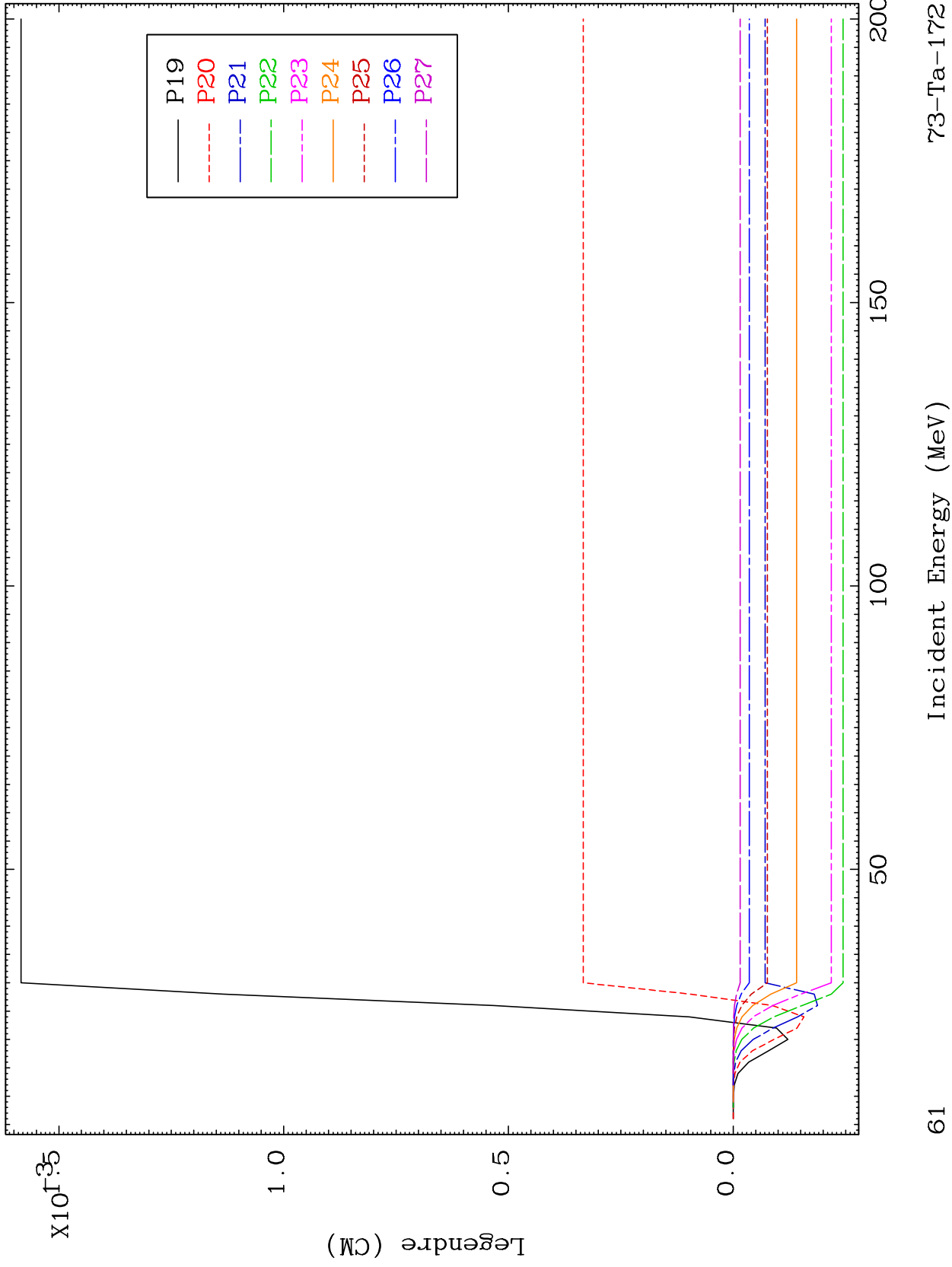




MAT 7301

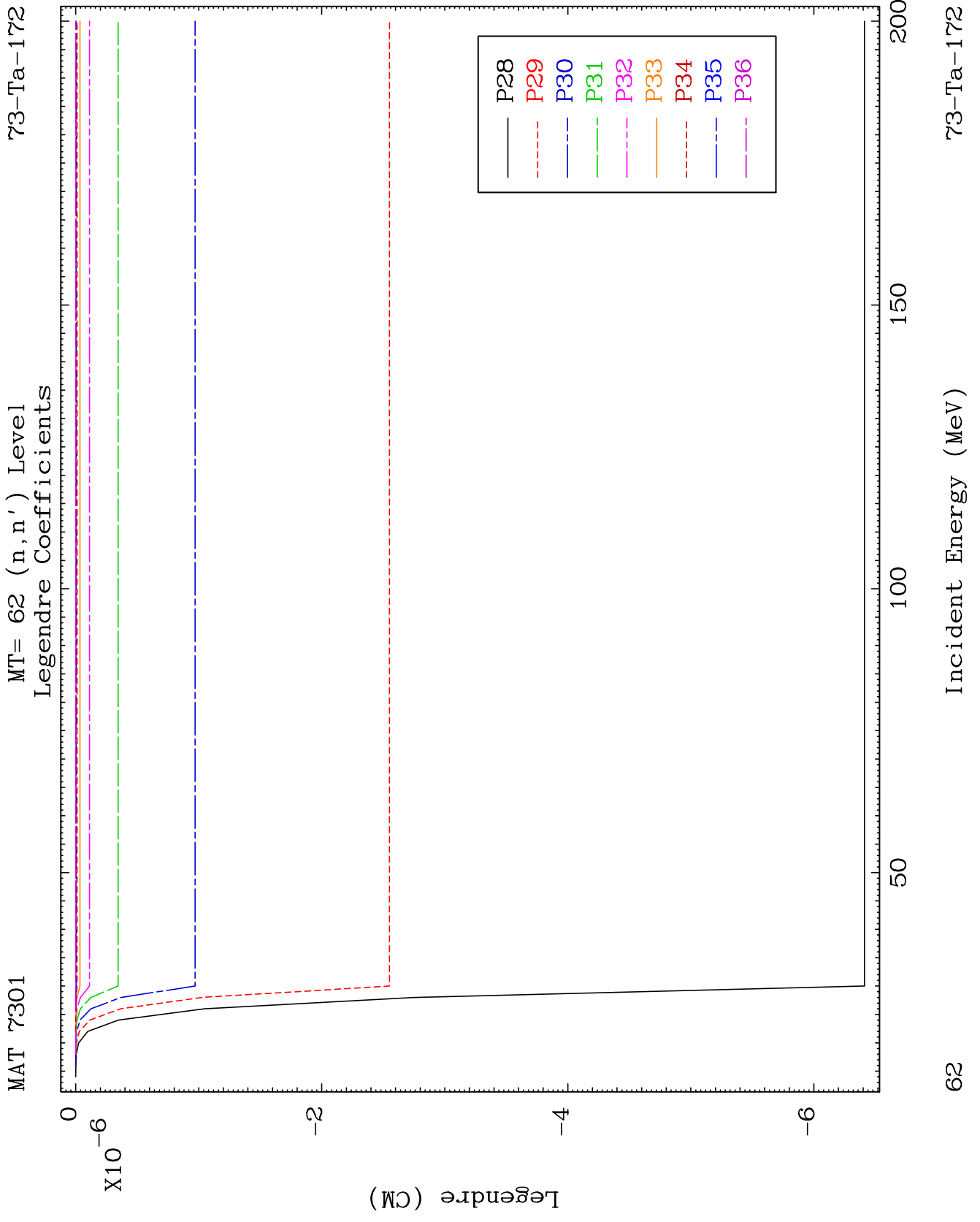
MT= 62 (n,n') Level
Legendre Coefficients

73-Ta-172



61

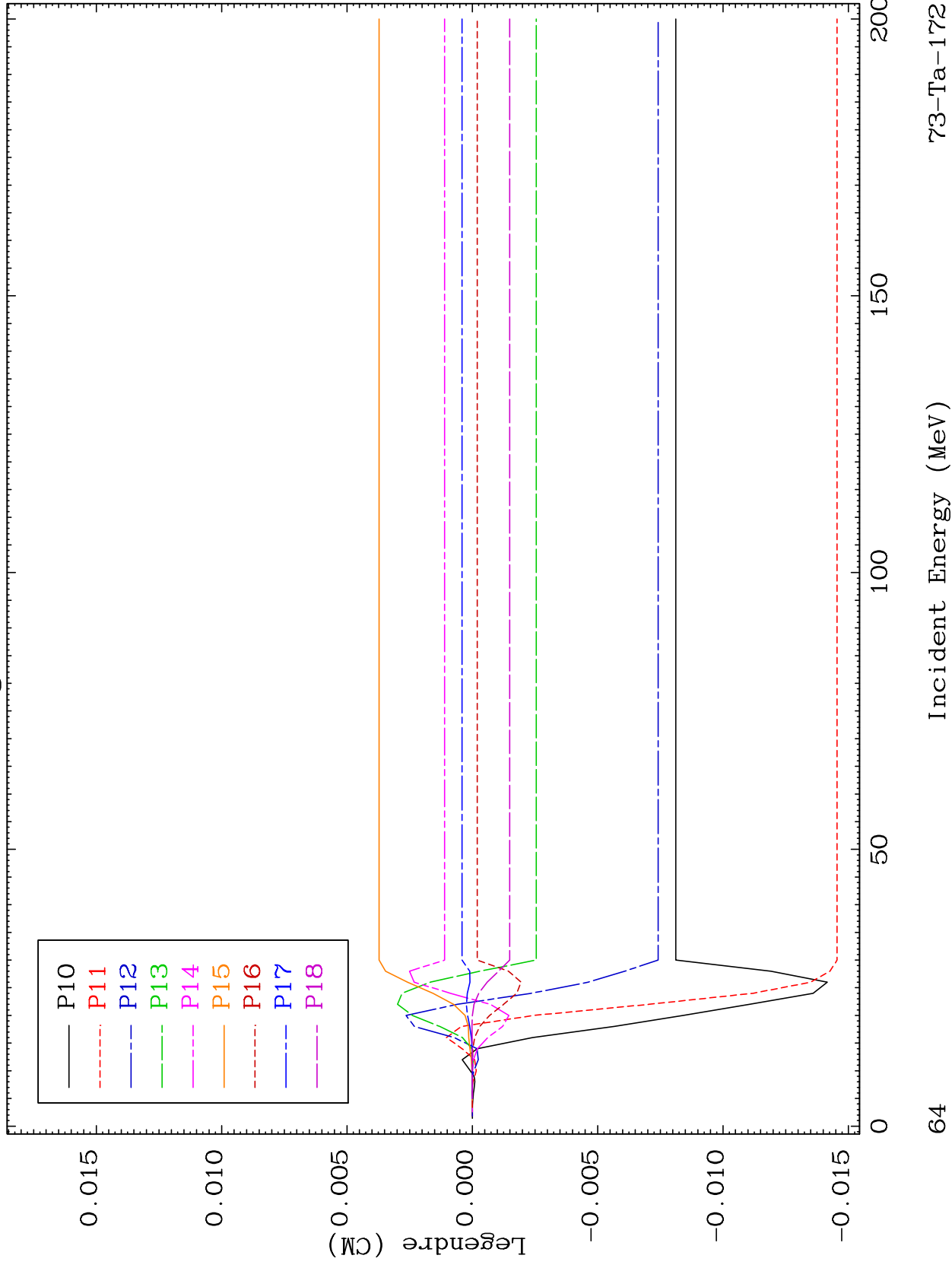
73-Ta-172



MAT 7301

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

73-Ta-172



64

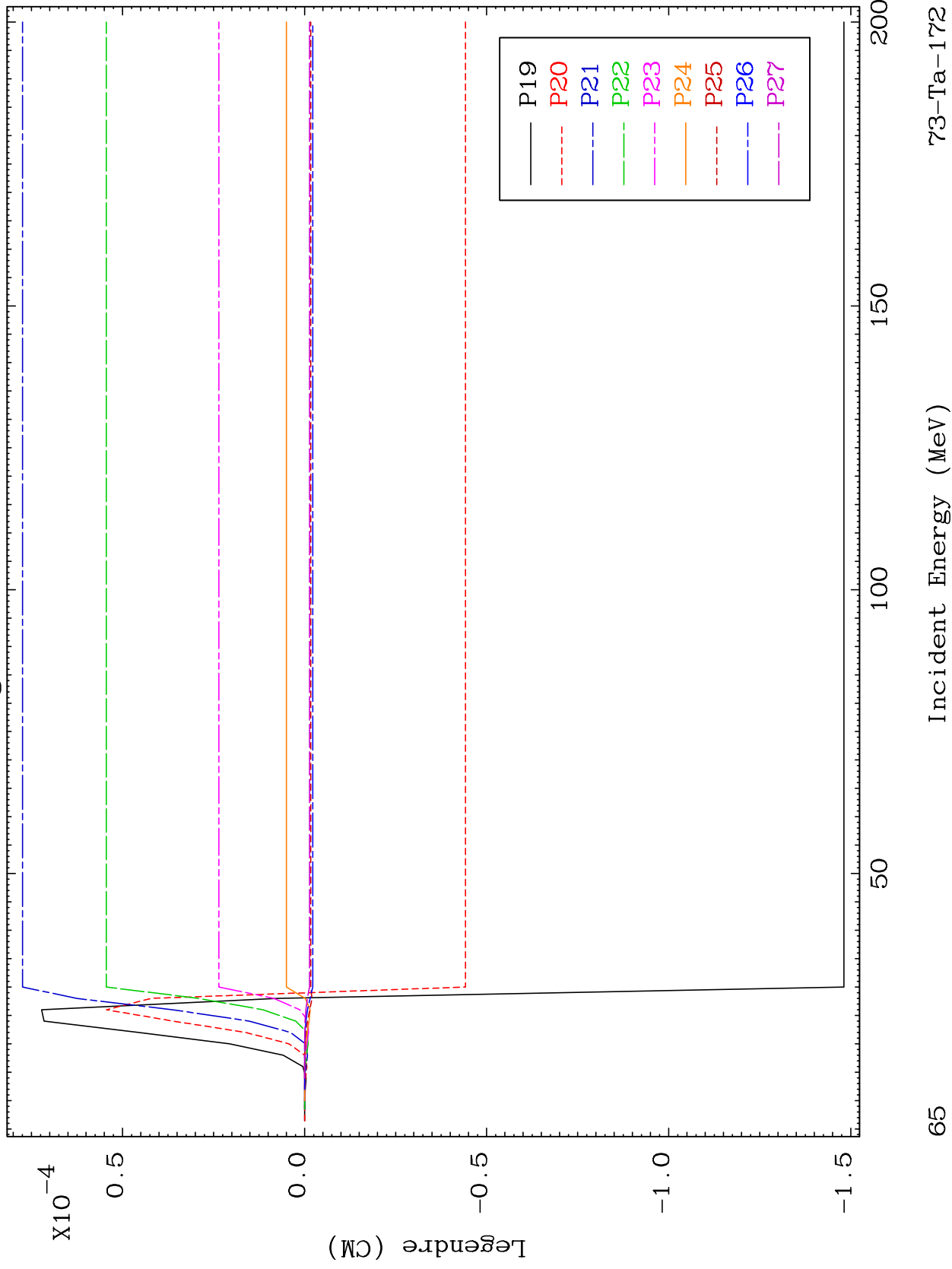
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

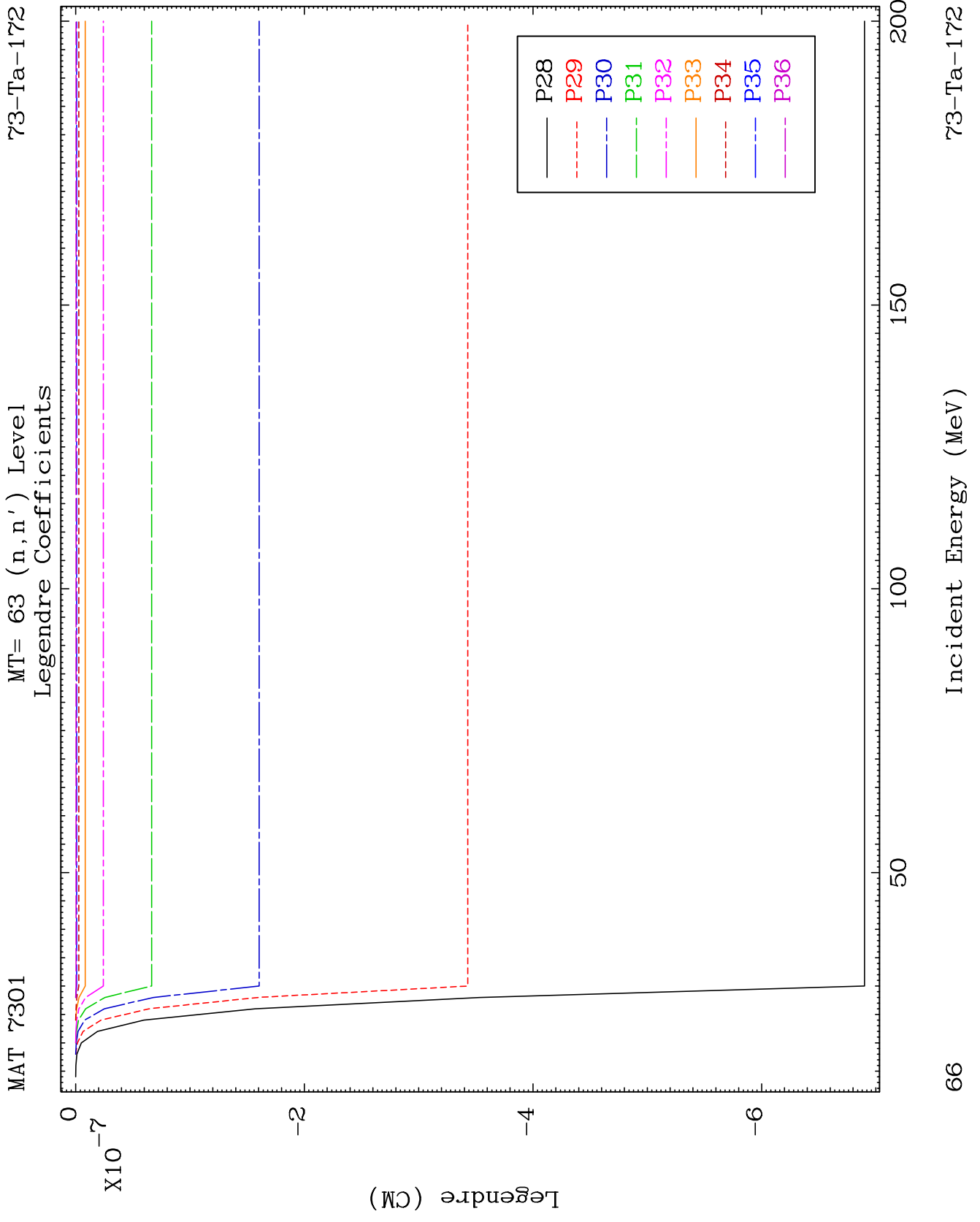
73-Ta-172

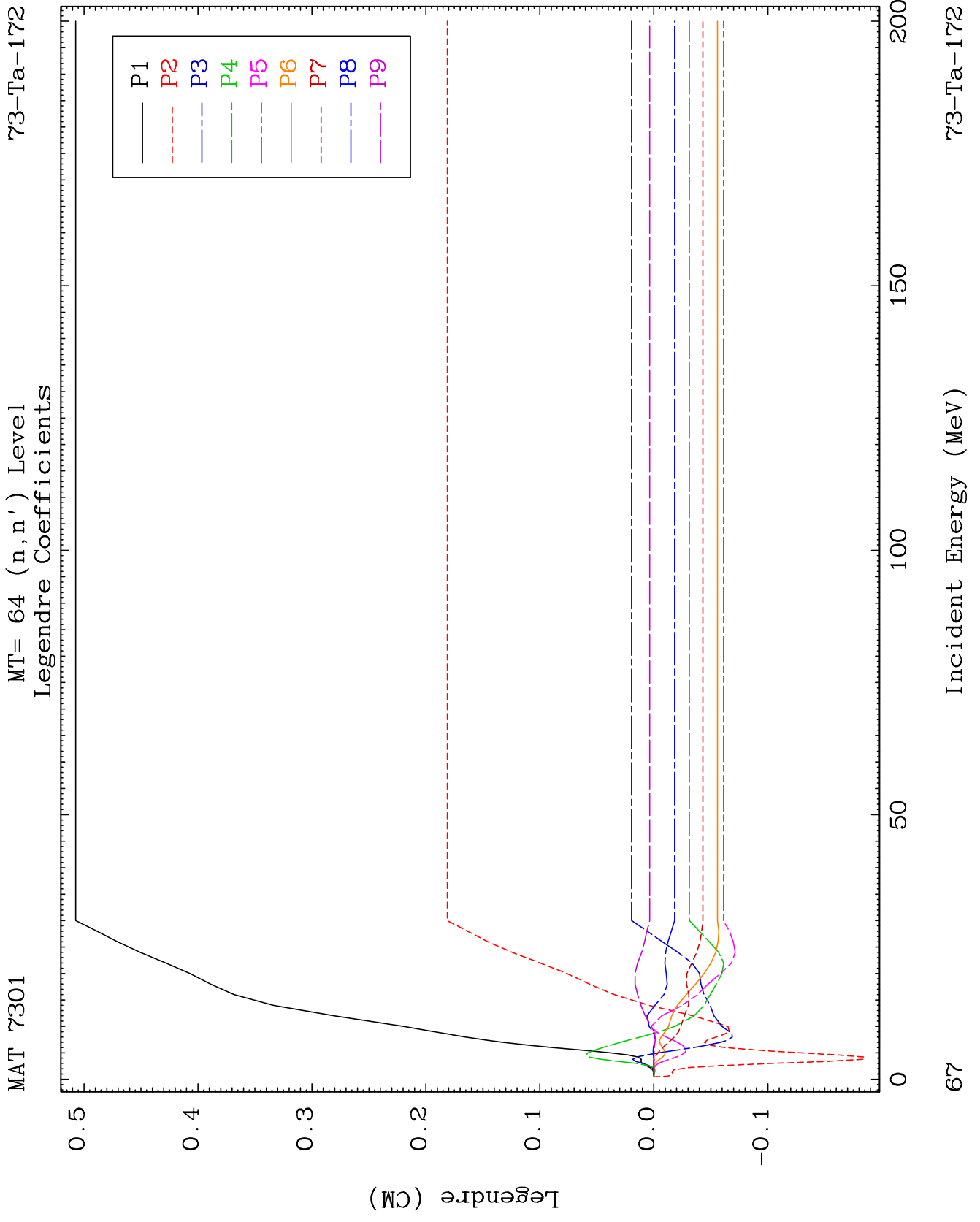


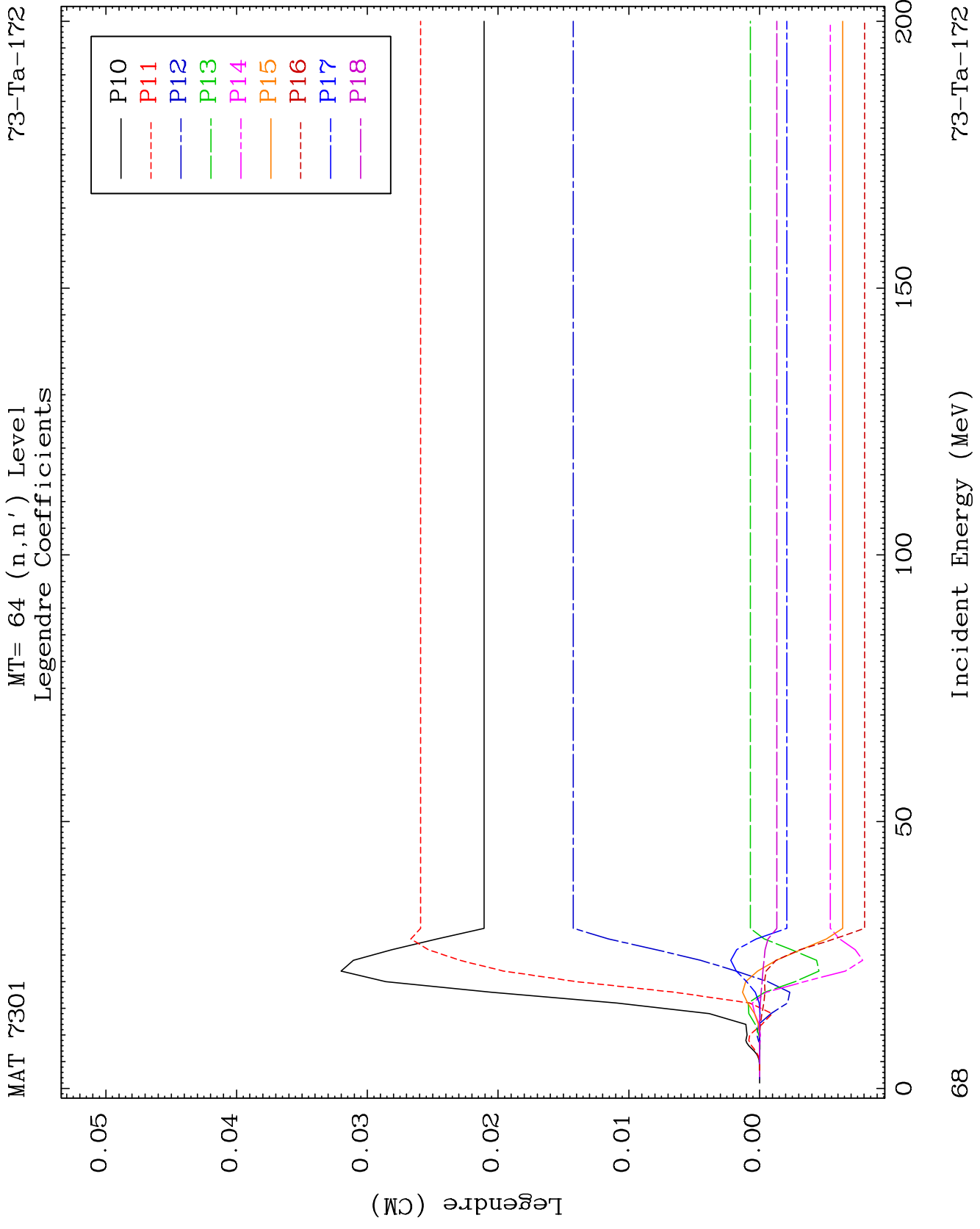
65

Incident Energy (MeV)

73-Ta-172



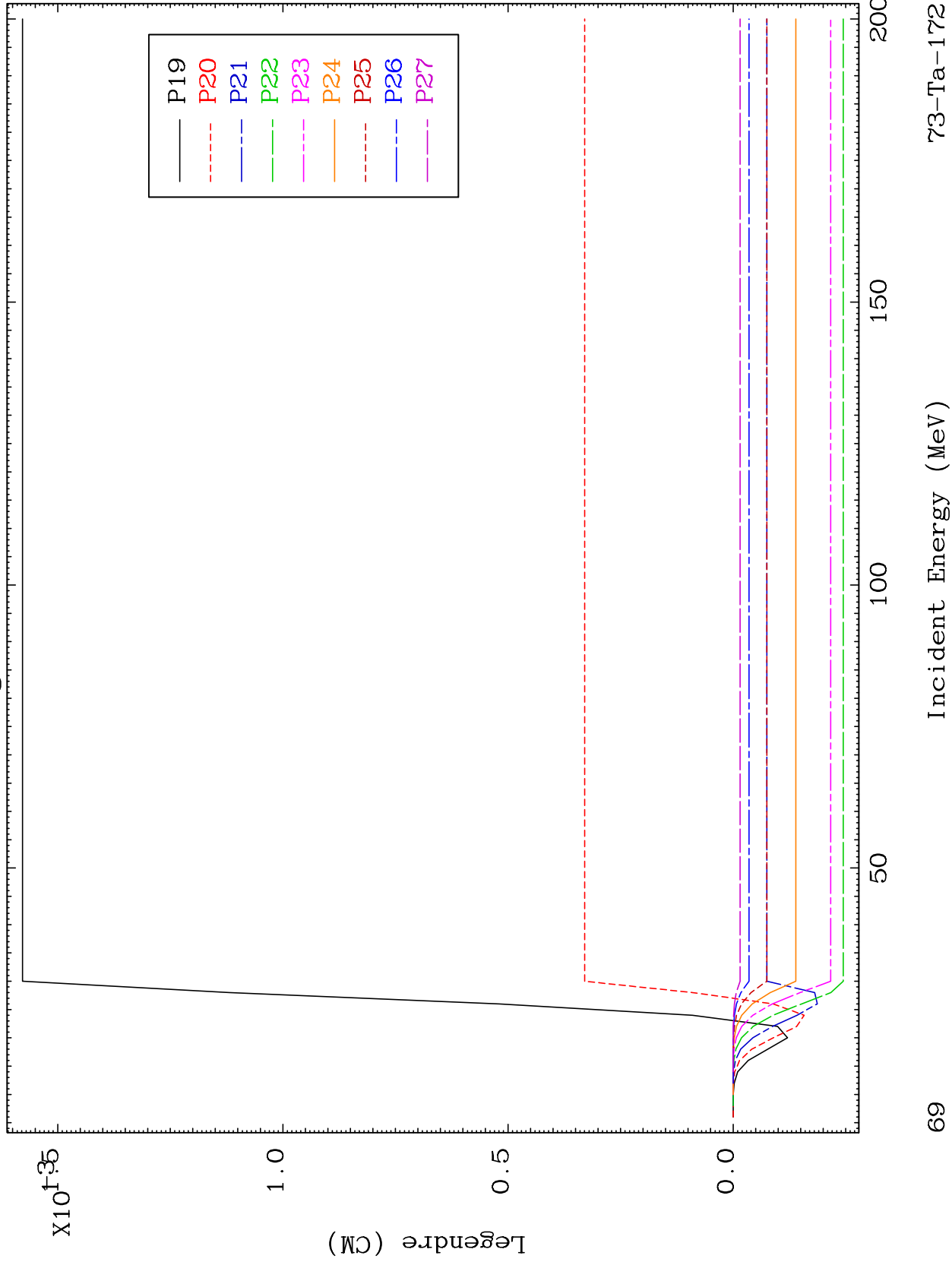




MAT 7301

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

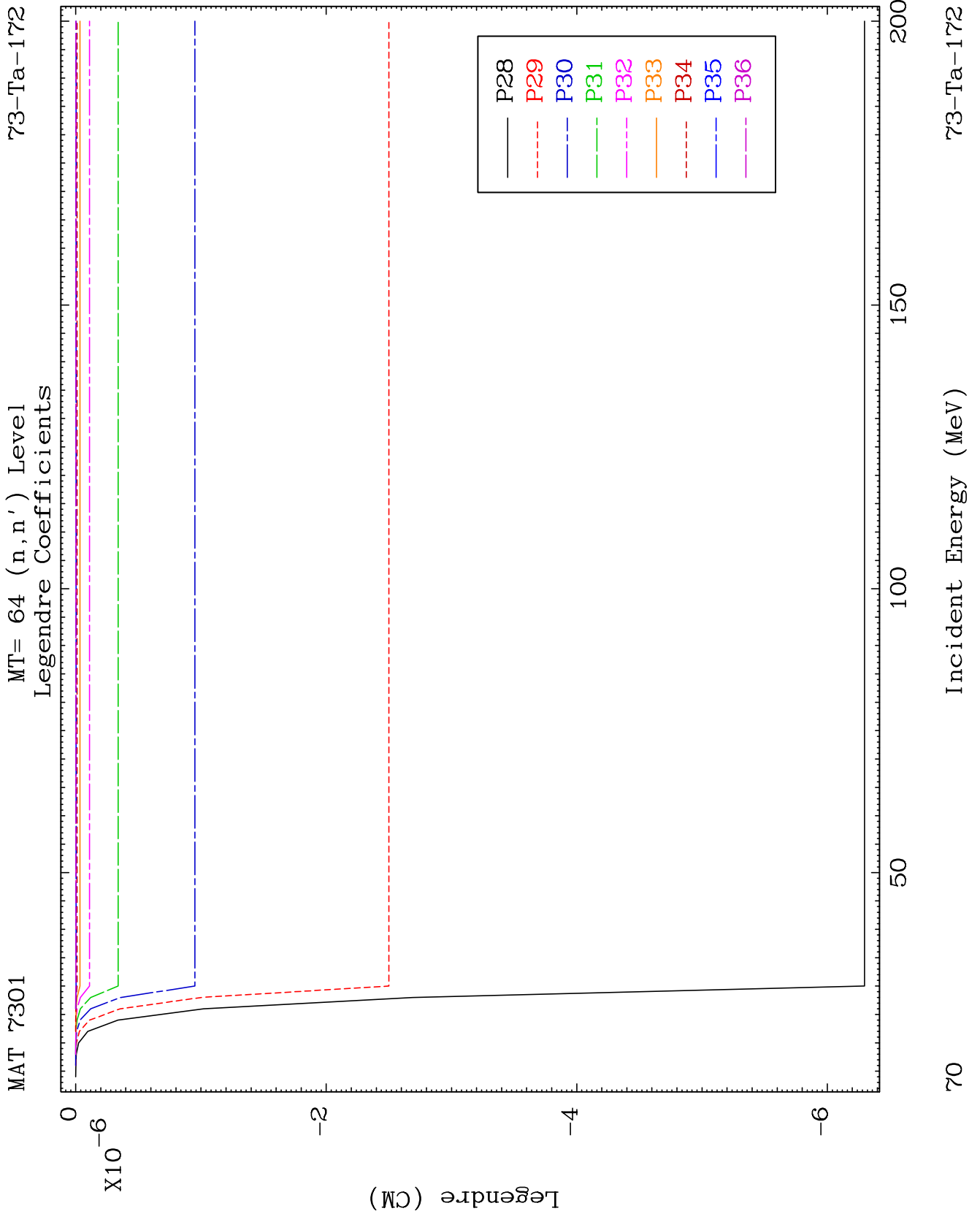
73-Ta-172

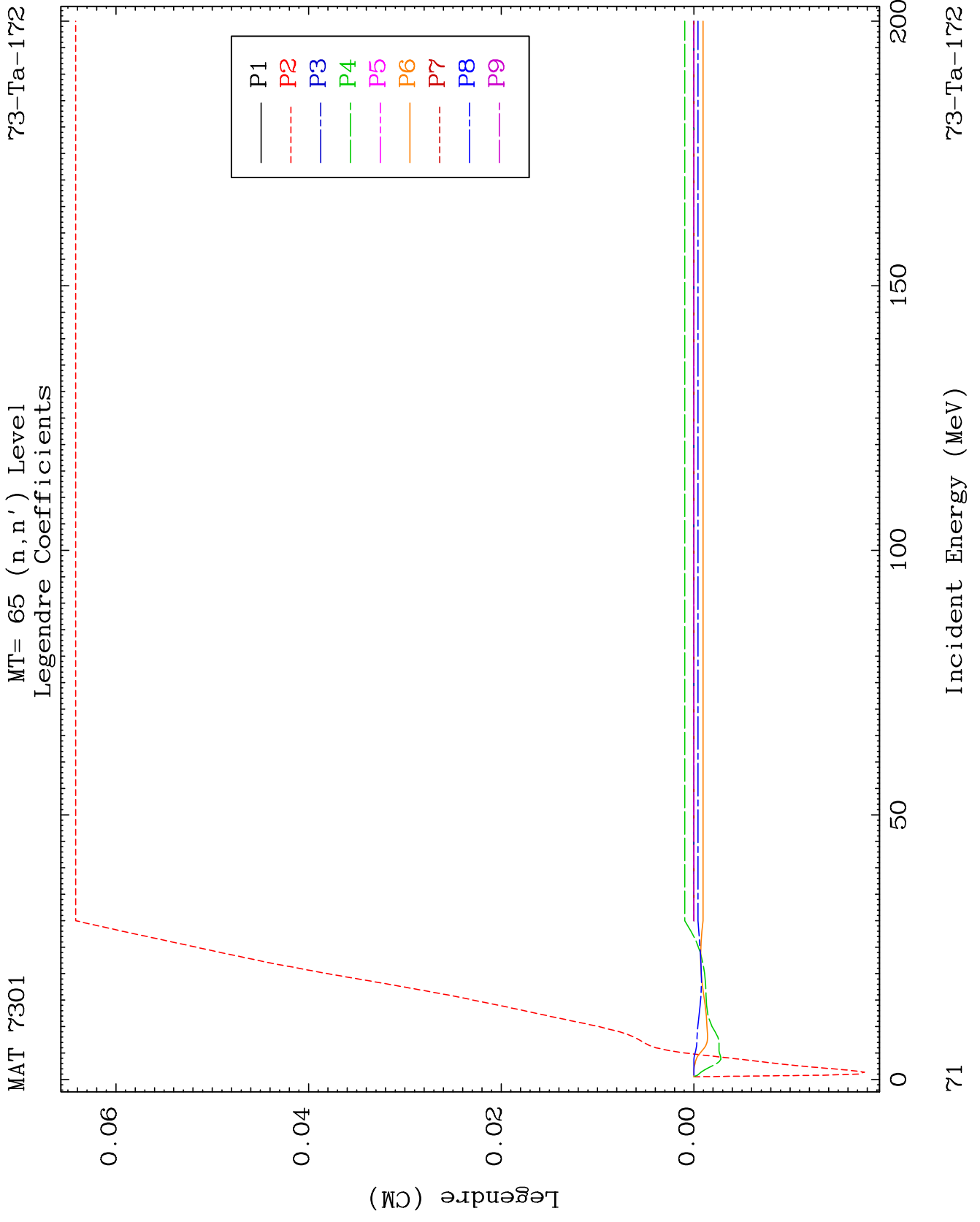


69

Incident Energy (MeV)

73-Ta-172

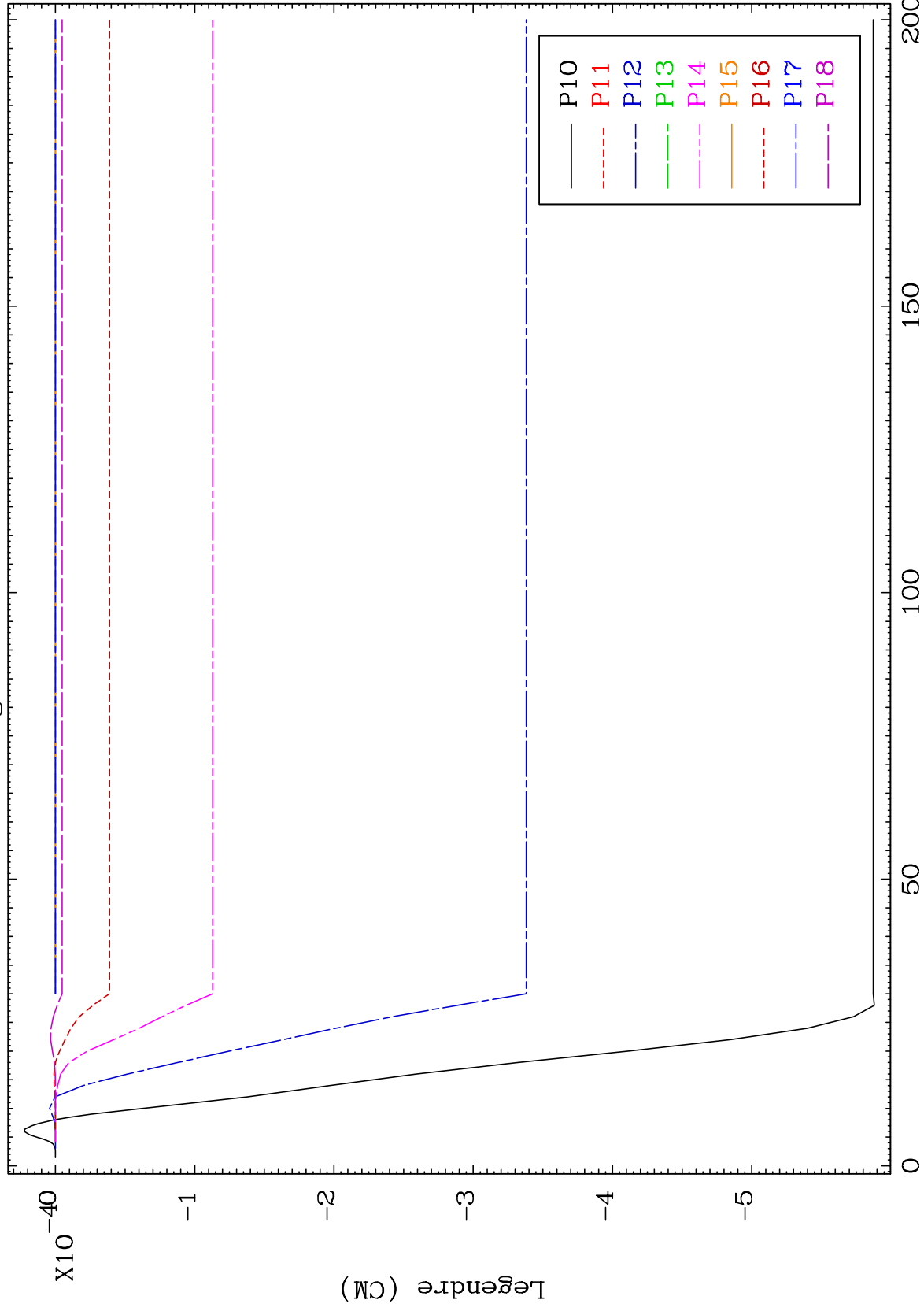




MAT 7301

73-Ta-172

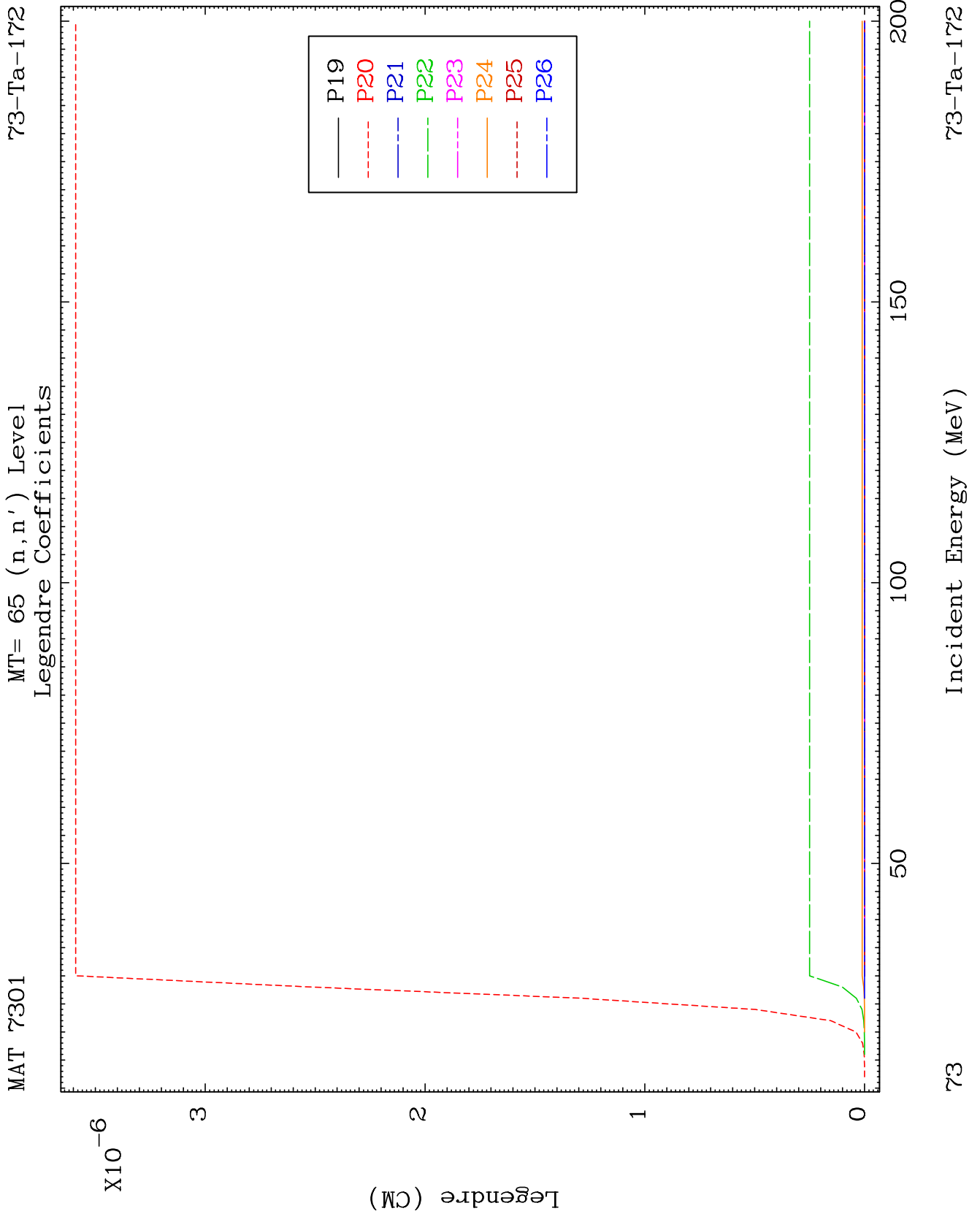
MT= 65 (n,n') Level
Legendre Coefficients

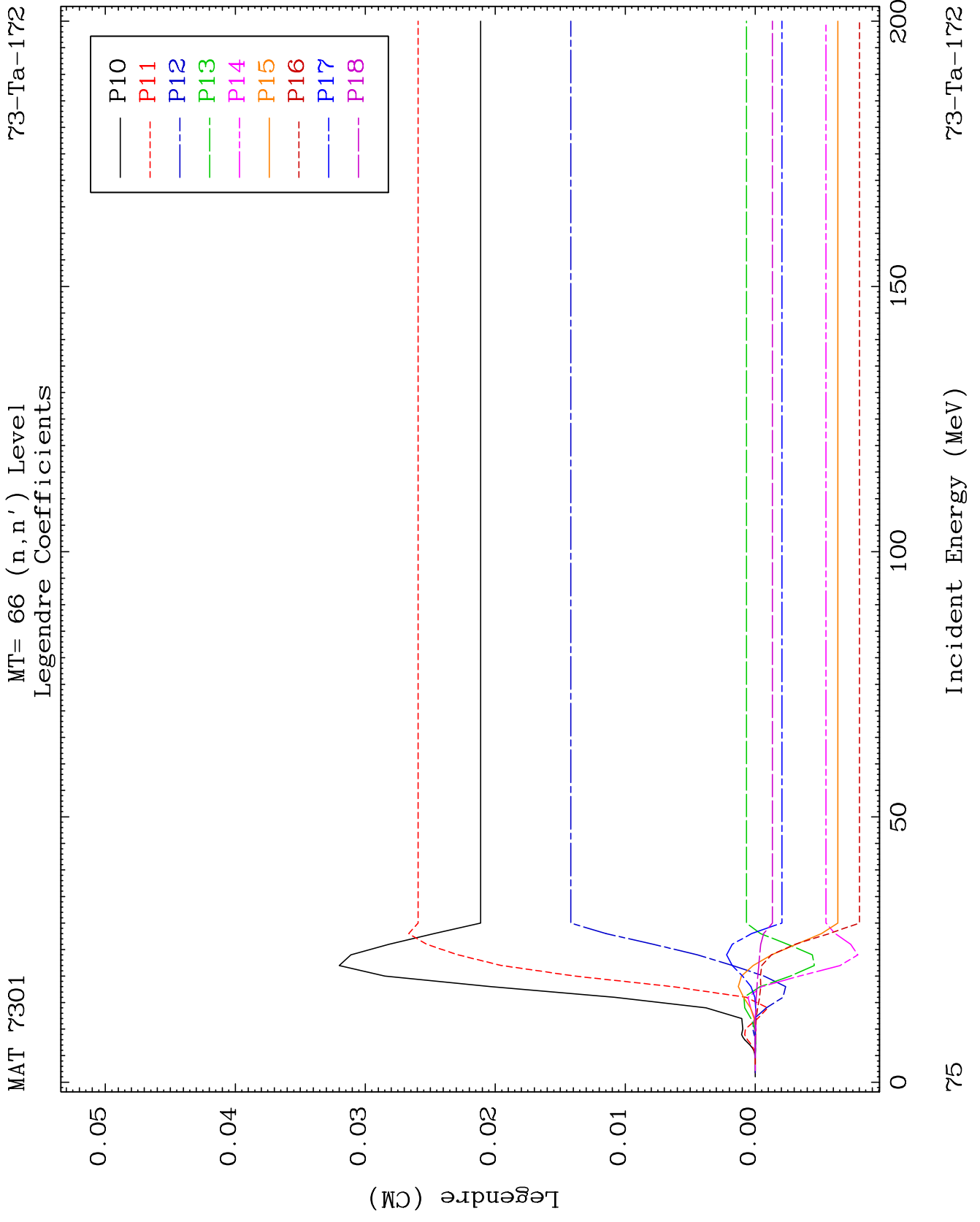


72

Incident Energy (MeV)

73-Ta-172

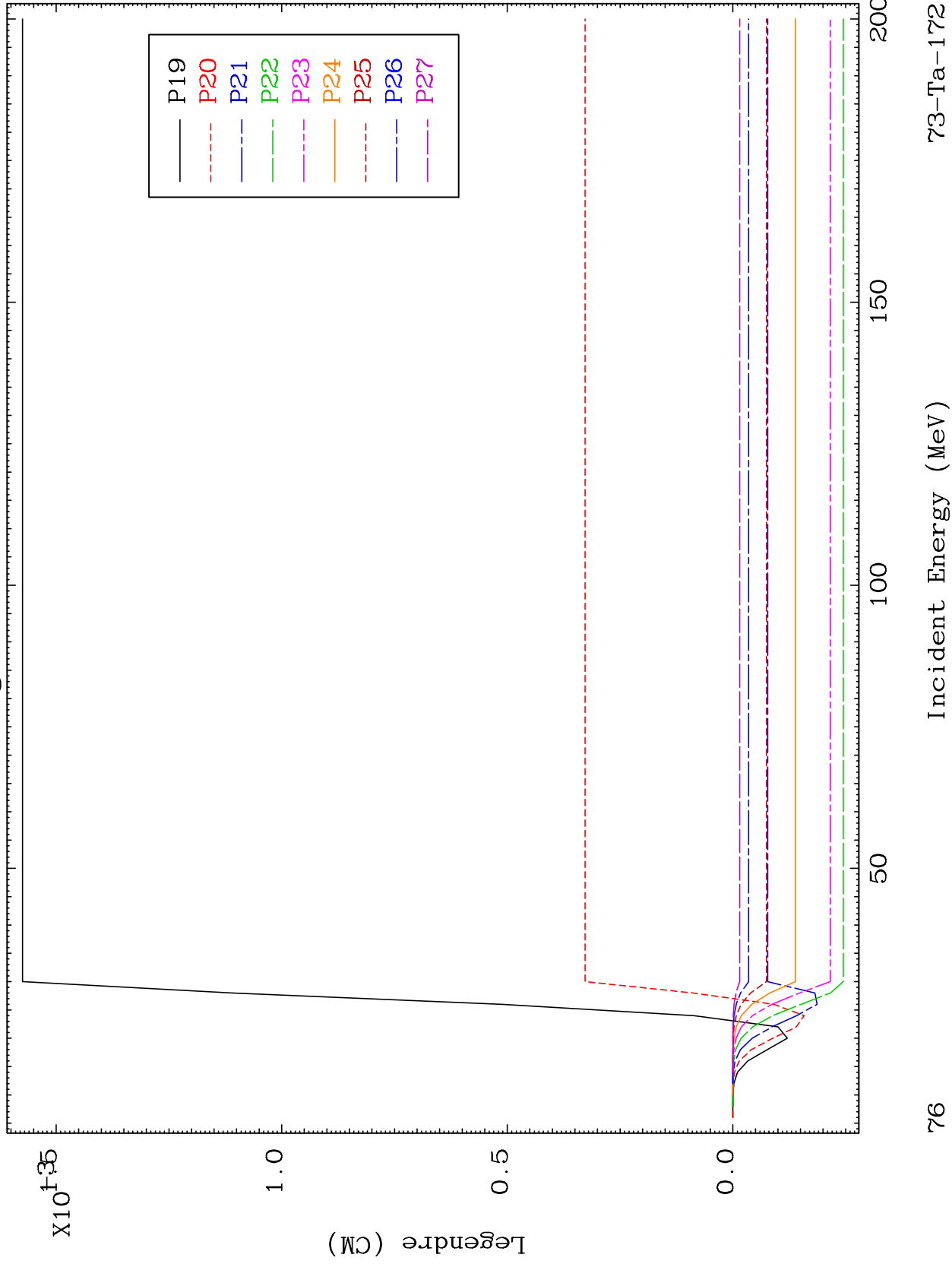


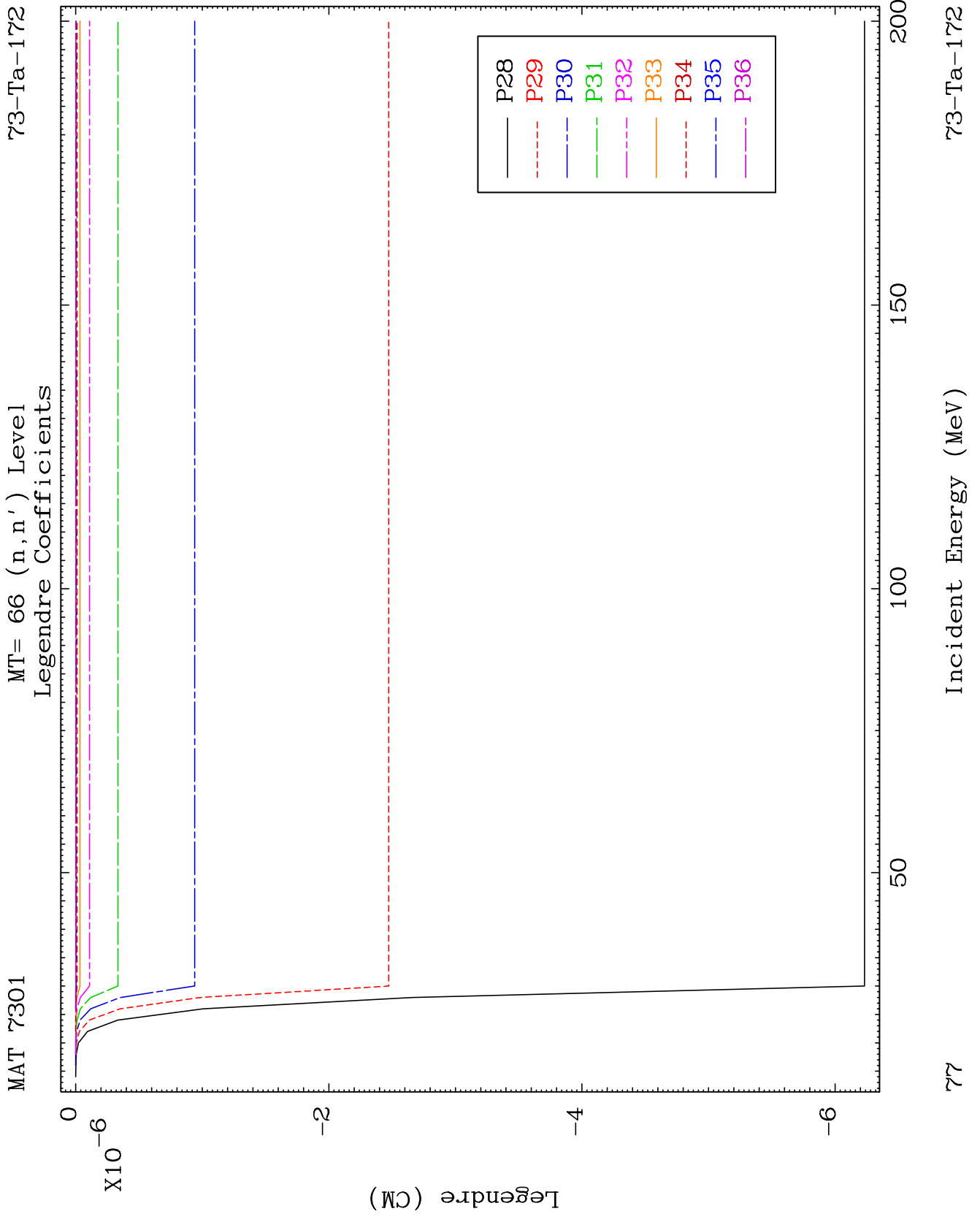


MAT 7301

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

73-Ta-172

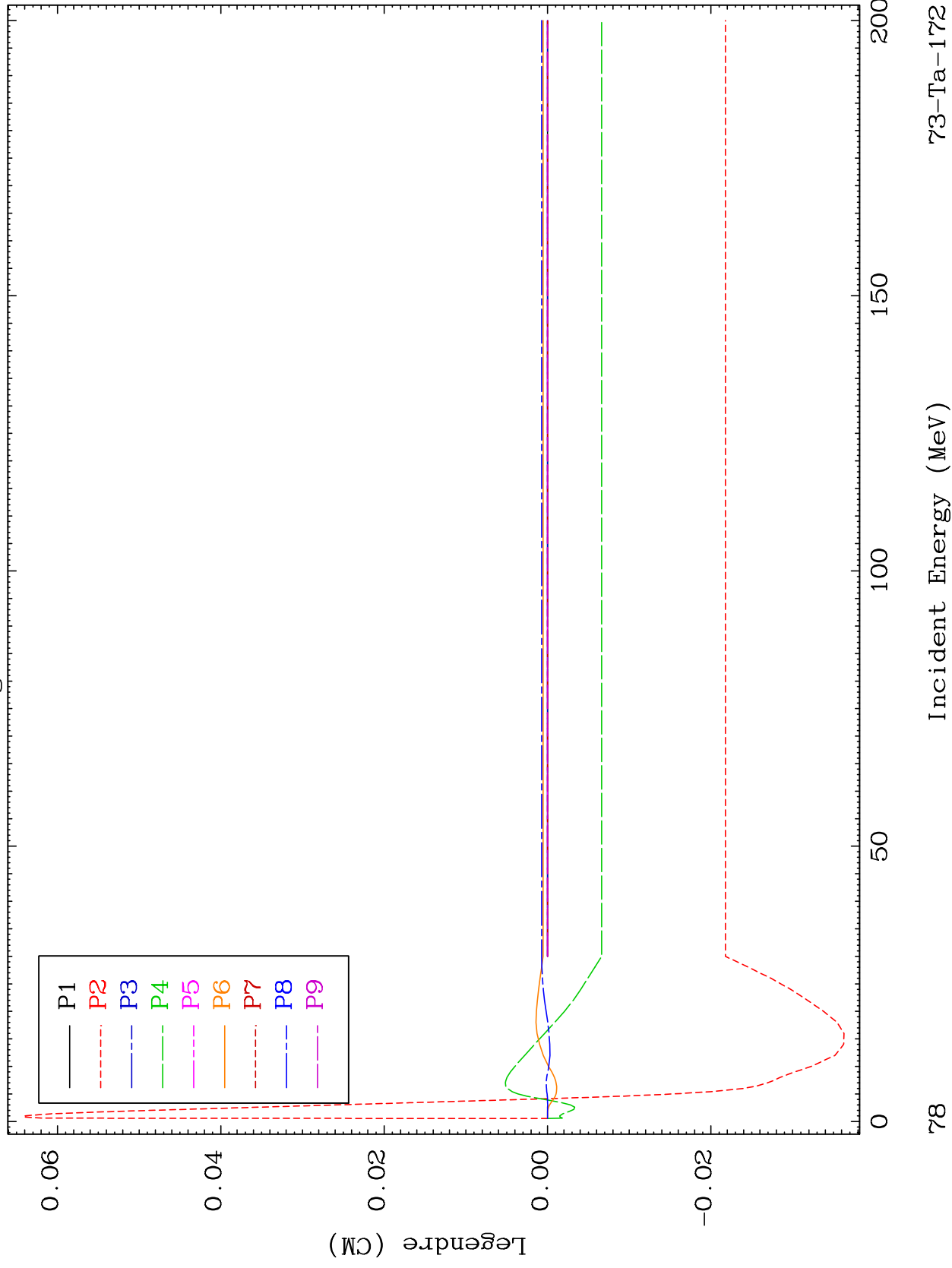




MAT 7301

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

73-Ta-172



73-Ta-172

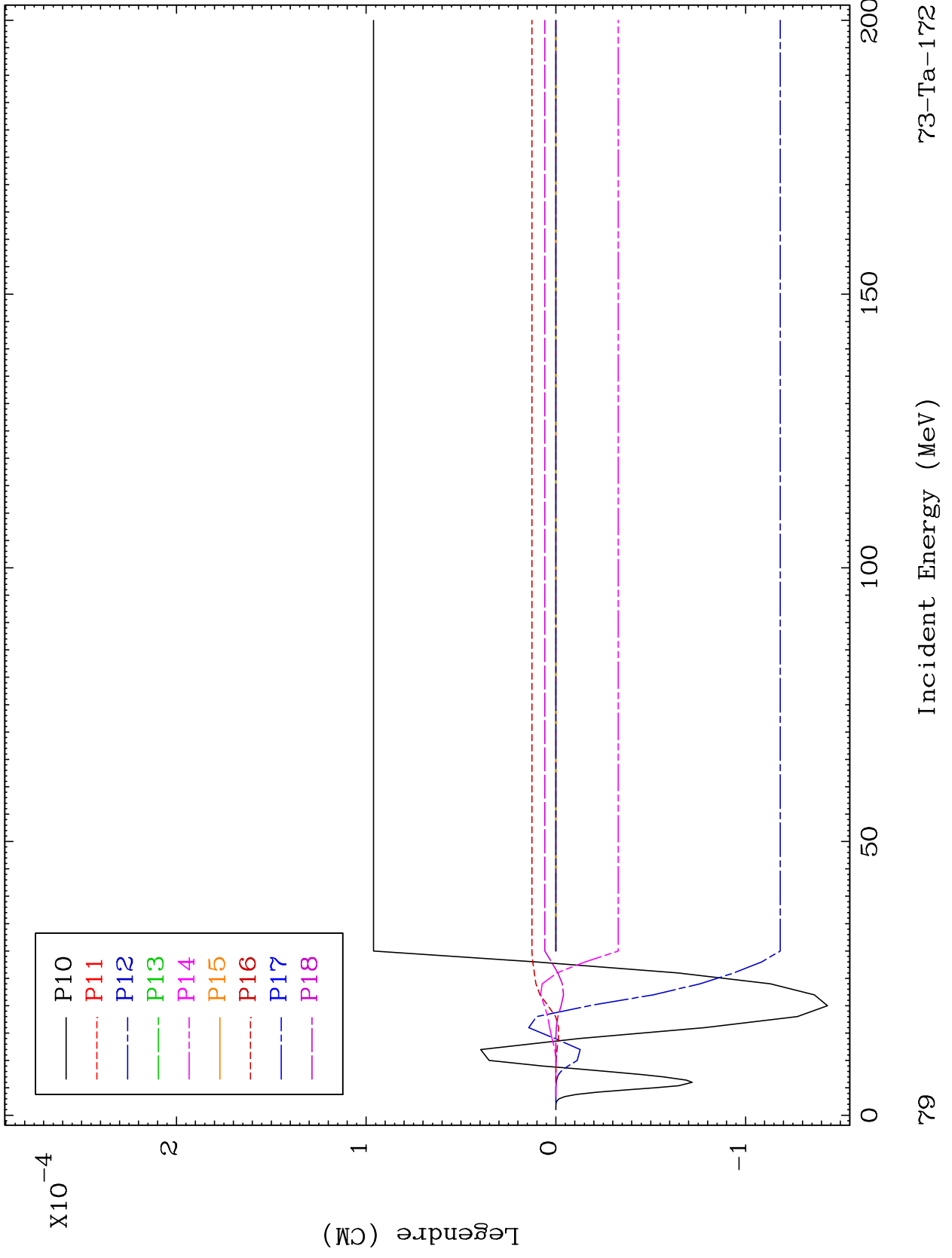
Incident Energy (MeV)

78

MAT 7301

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

73-Ta-172



79

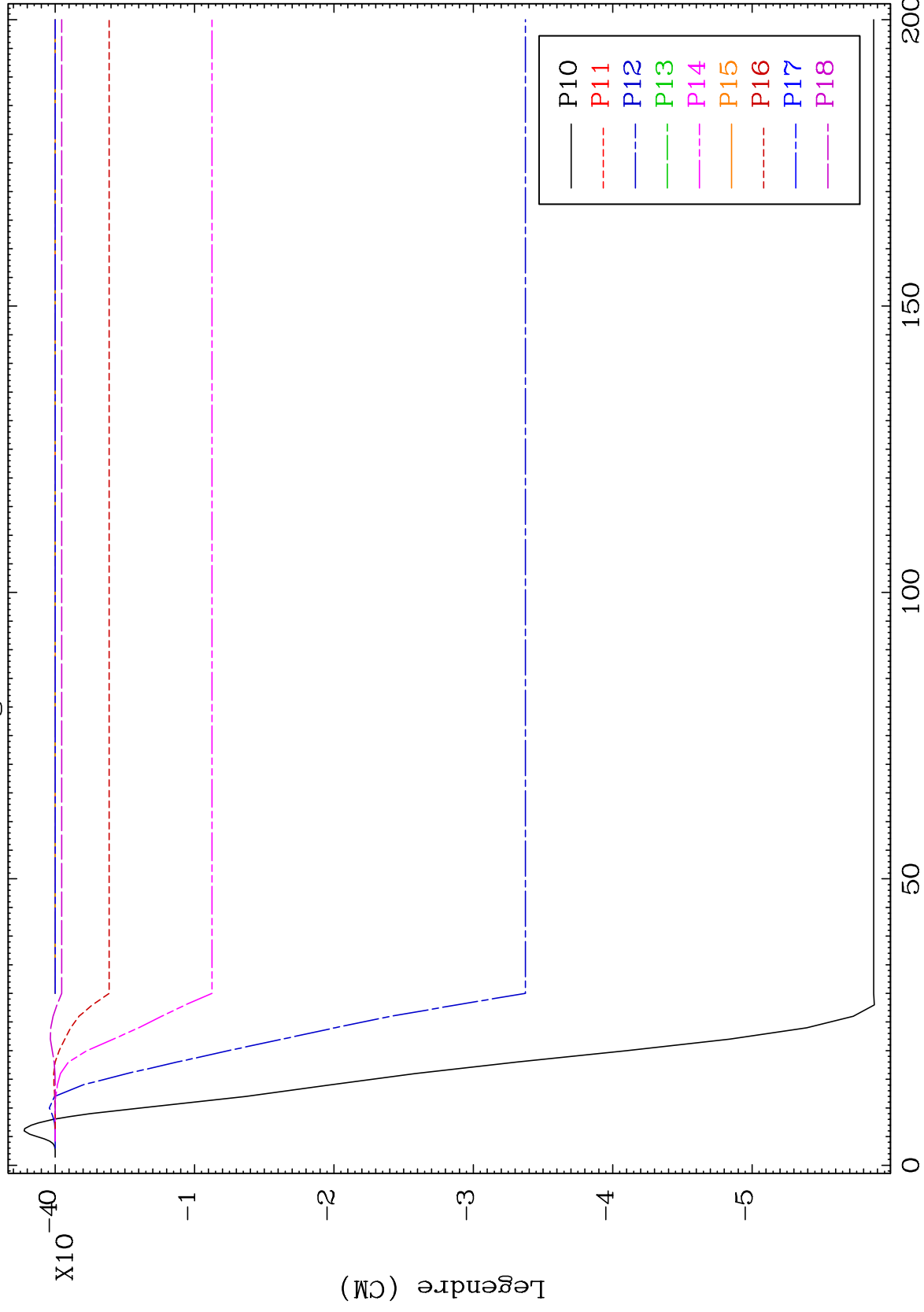
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



82

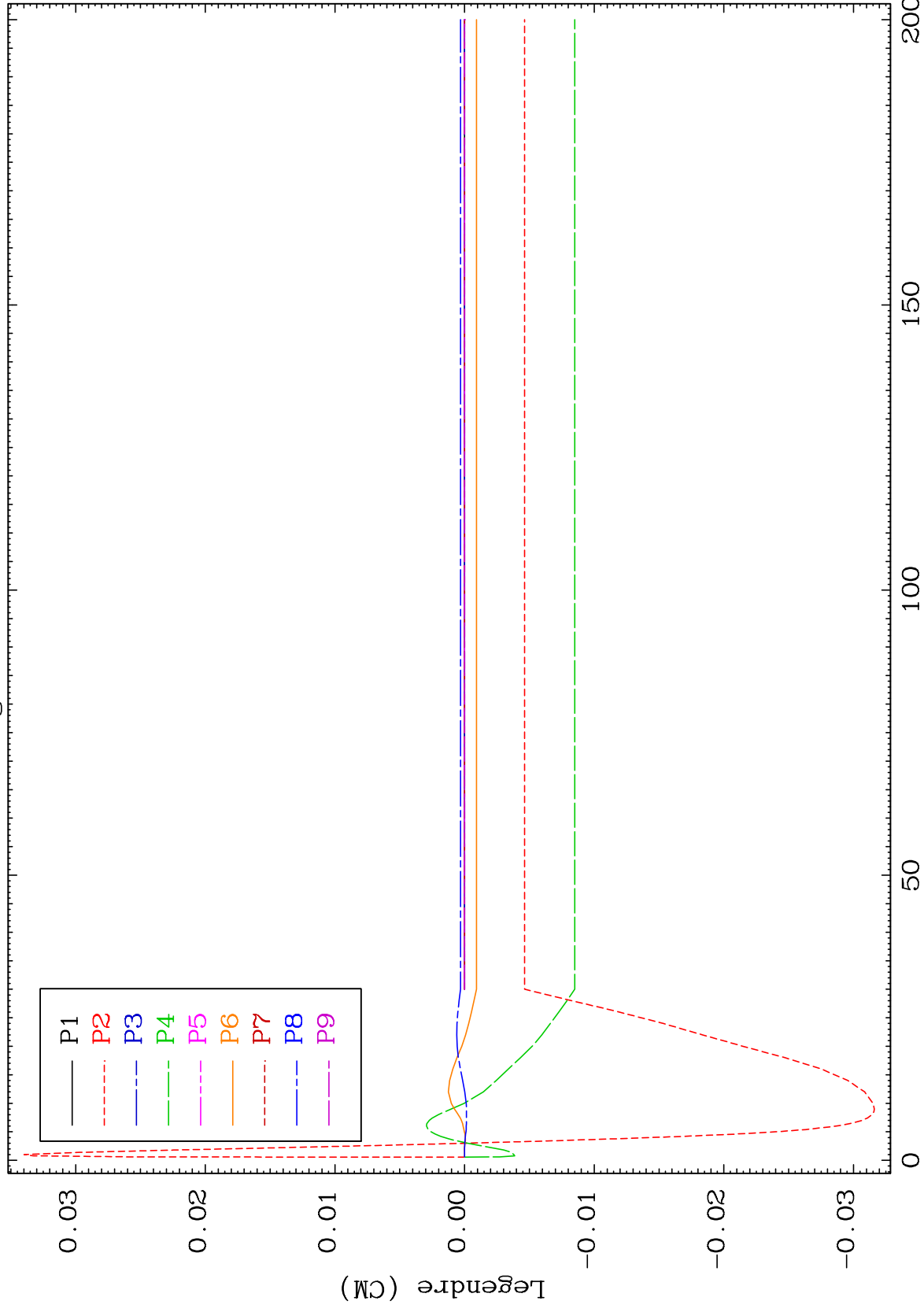
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

73-Ta-172



84

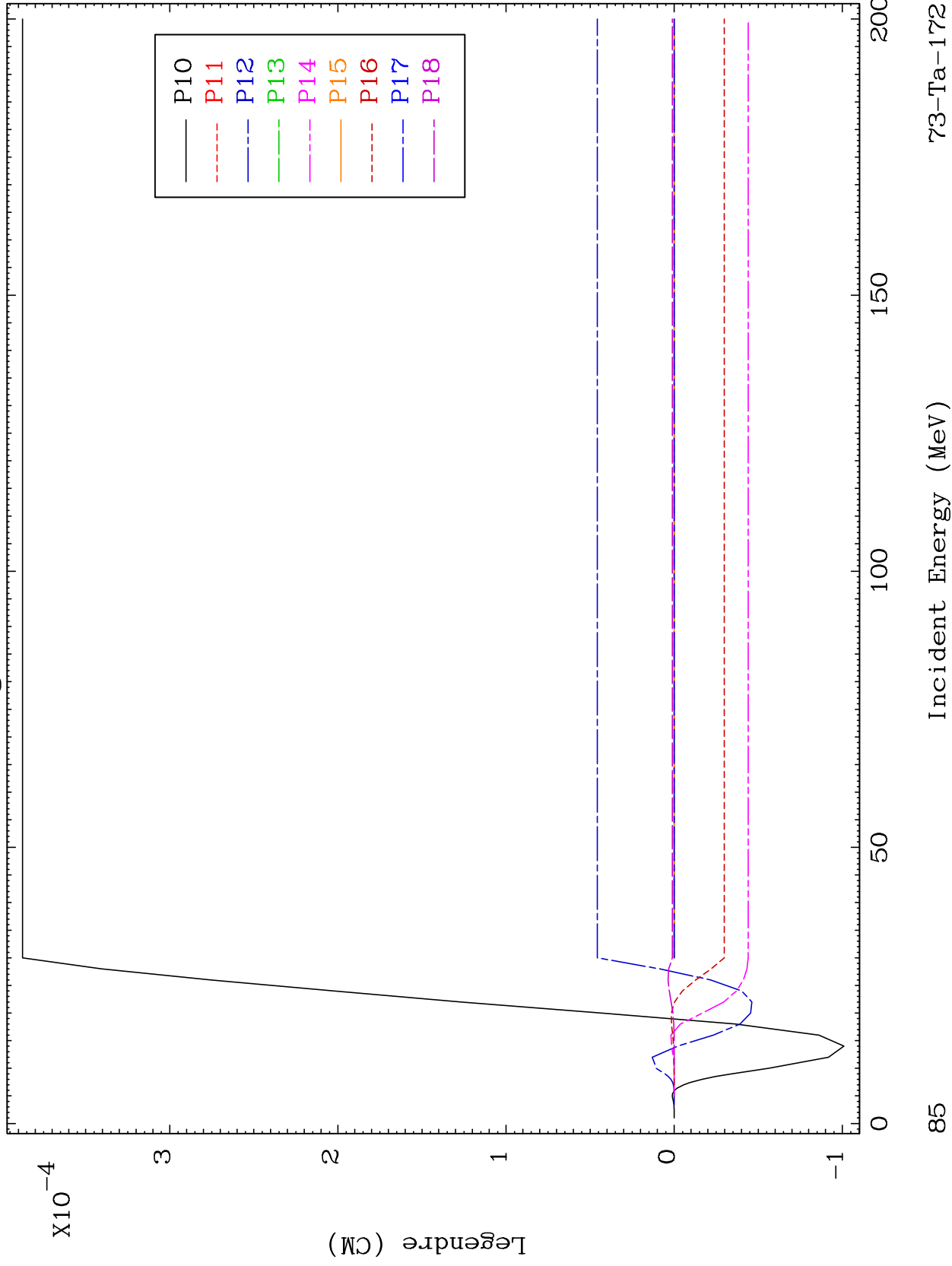
Incident Energy (MeV)

73-Ta-172

MAT 7301

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

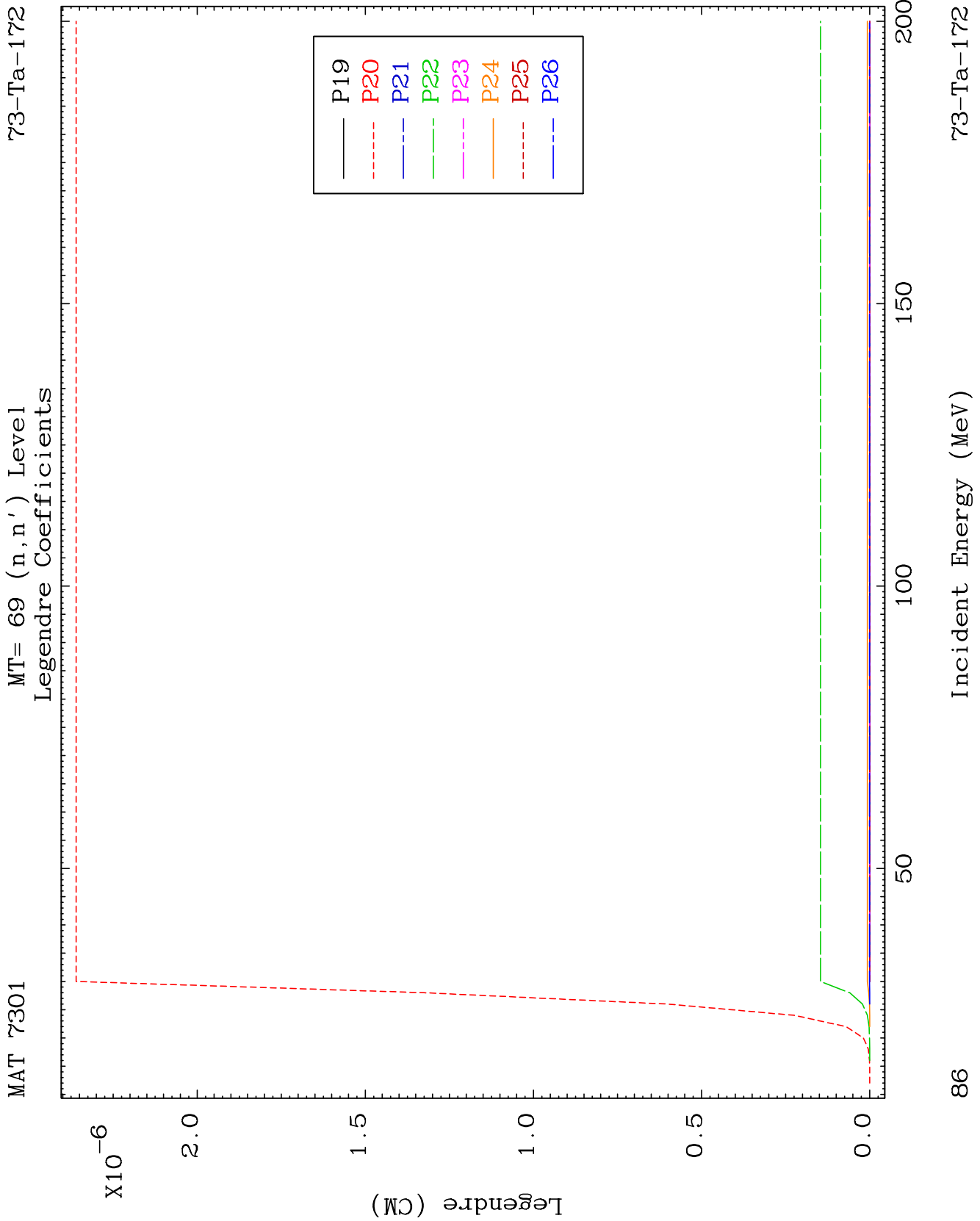
73-Ta-172

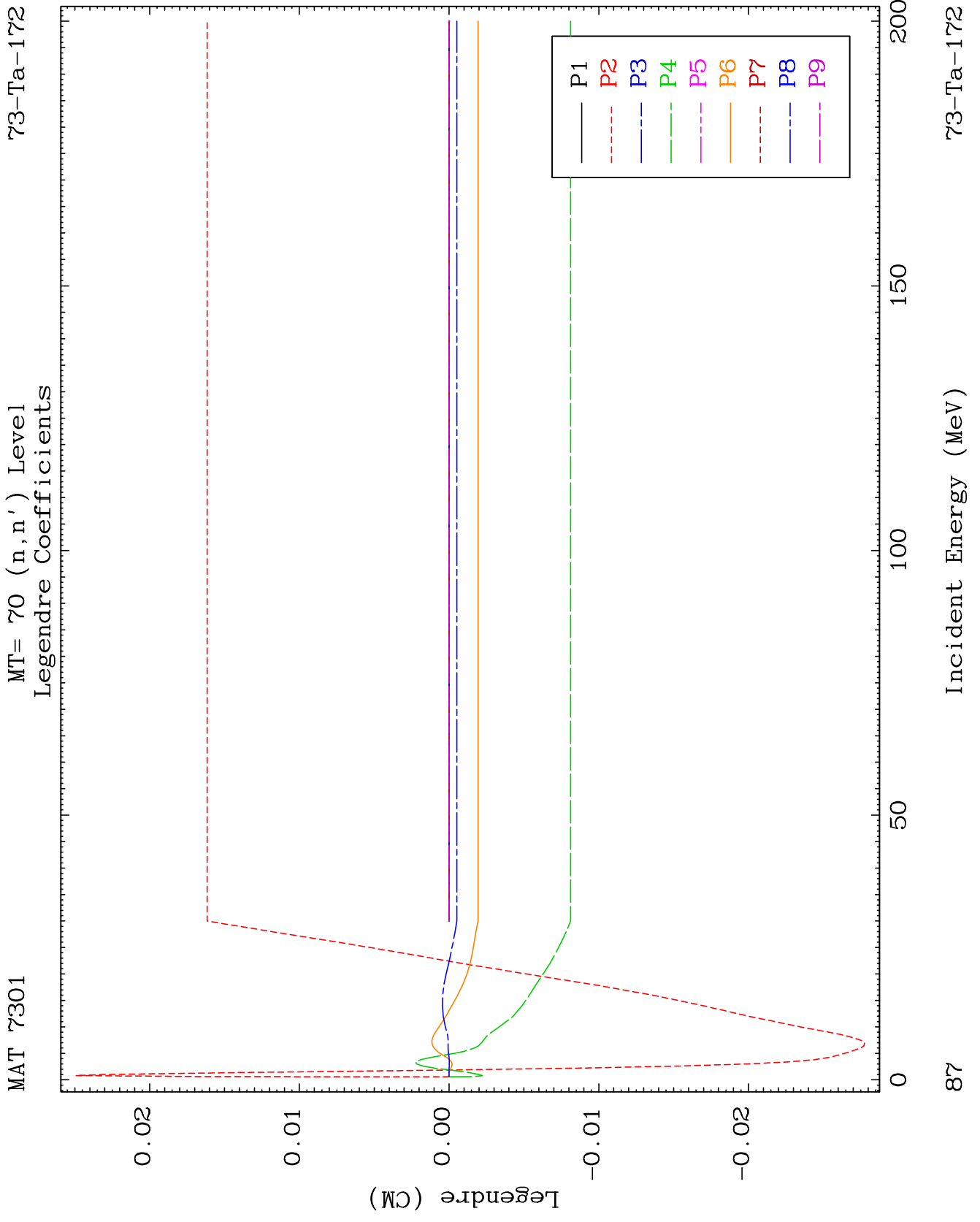


73-Ta-172

Incident Energy (MeV)

85

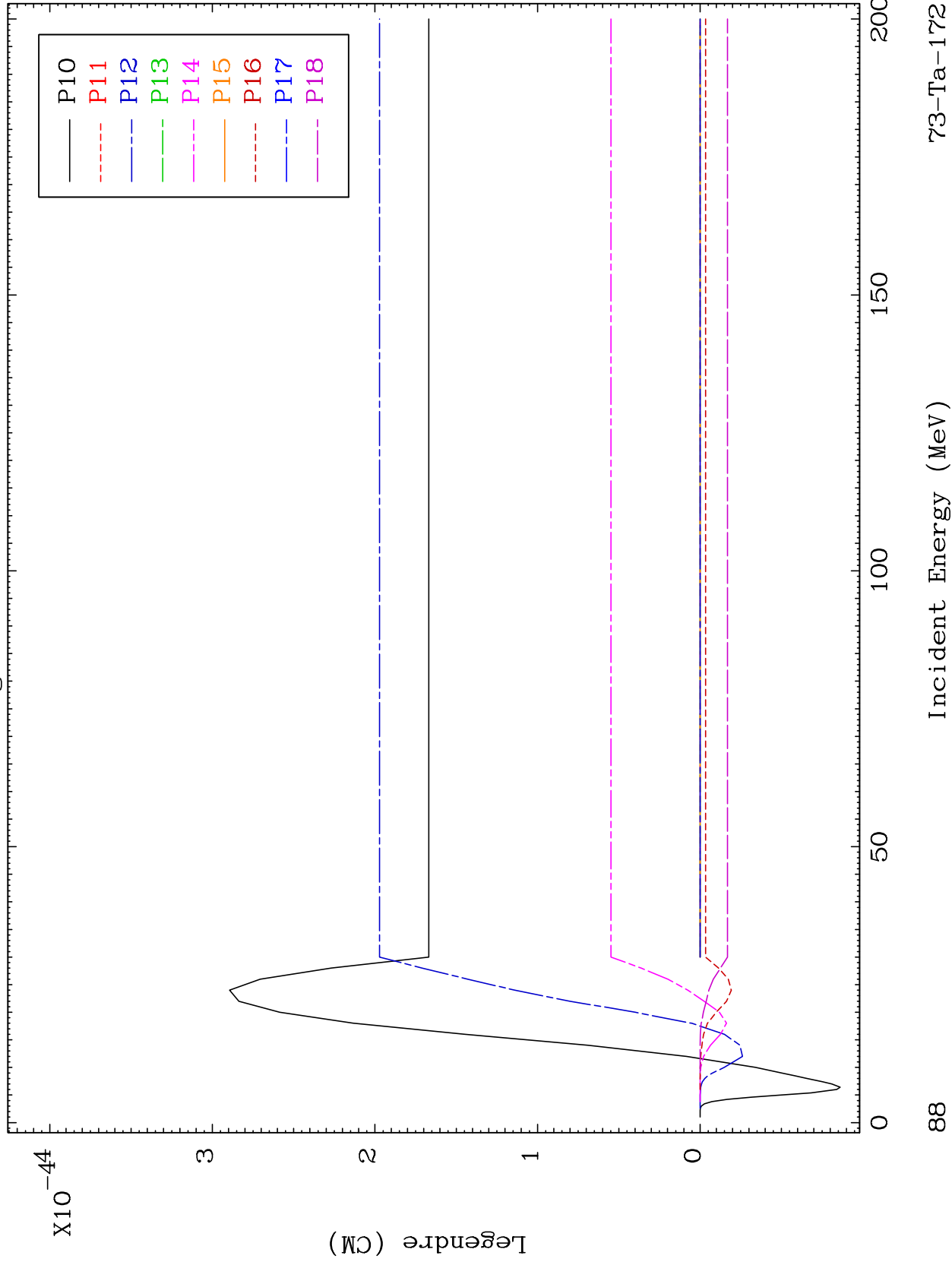


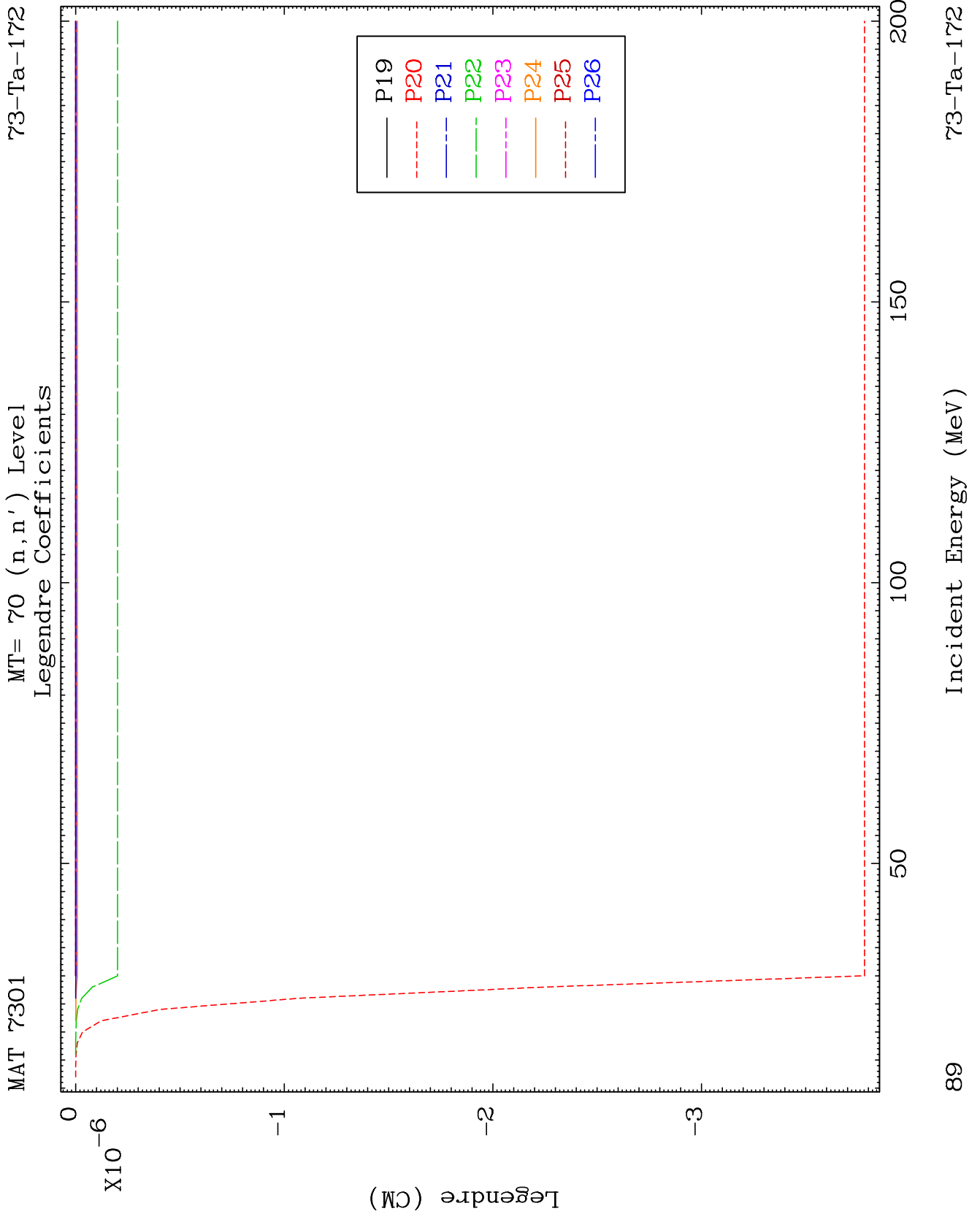


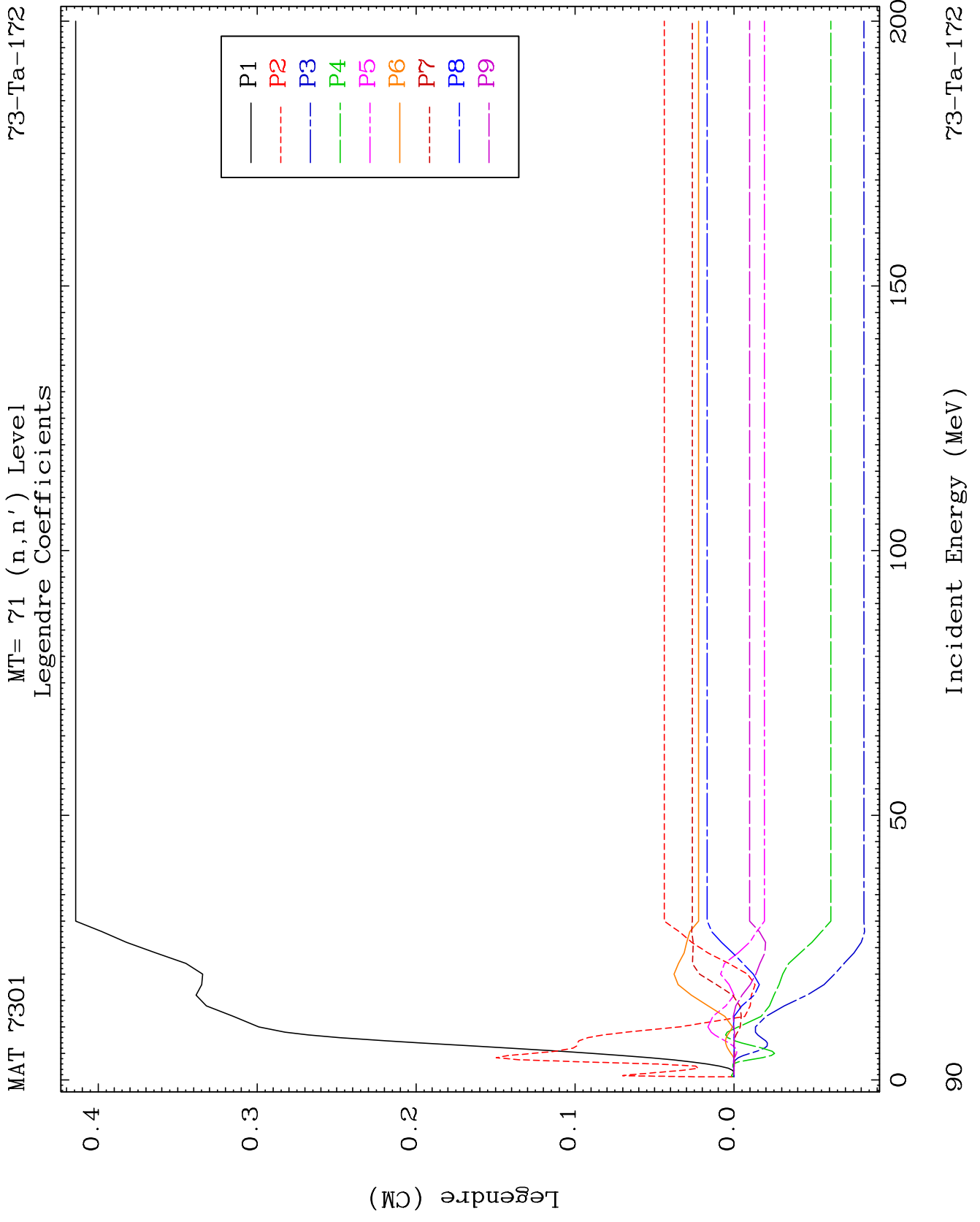
MAT 7301

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

73-Ta-172



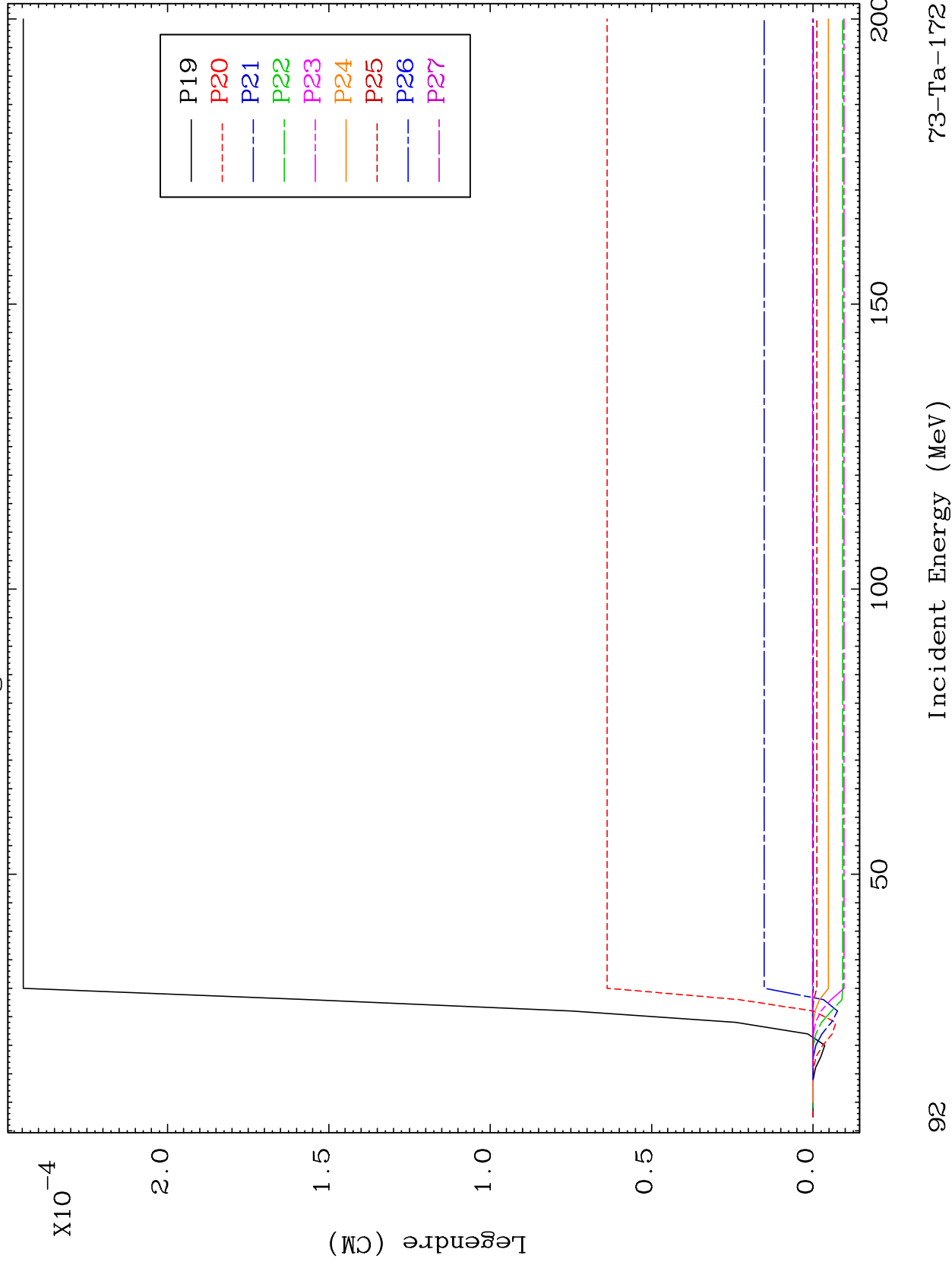




MAT 7301

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

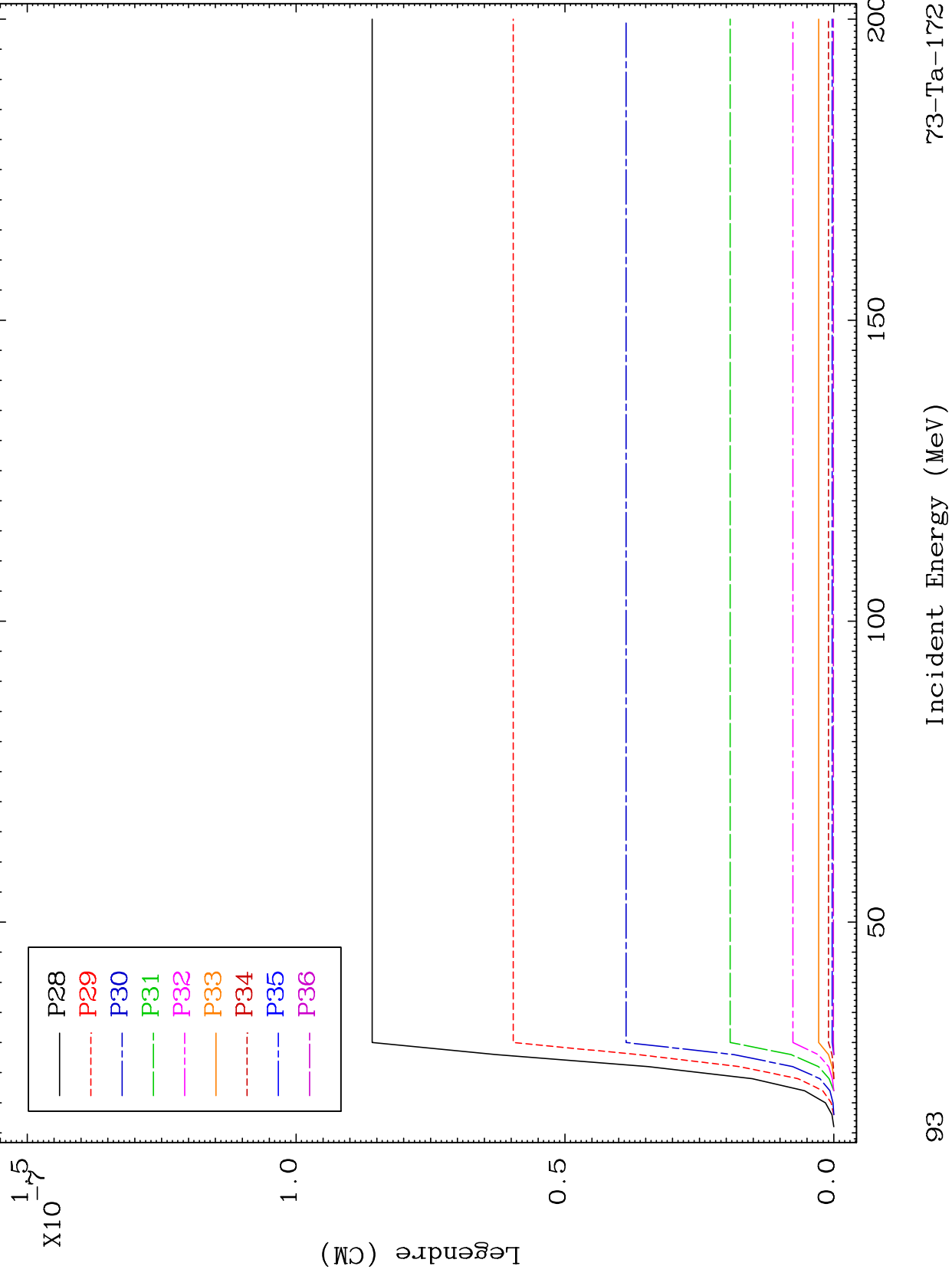
73-Ta-172



MAT 7301

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

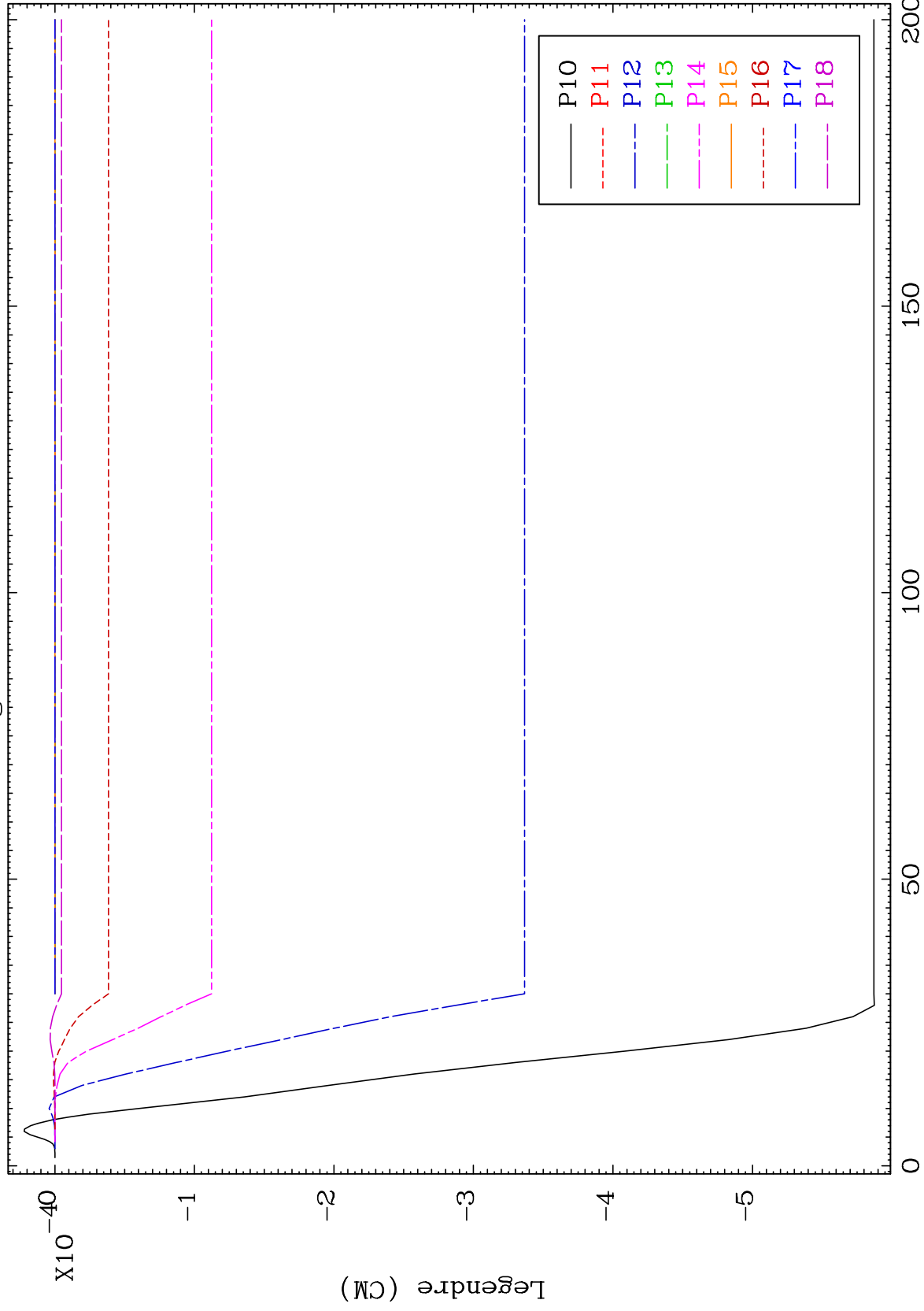
73-Ta-172



MAT 7301

73-Ta-172

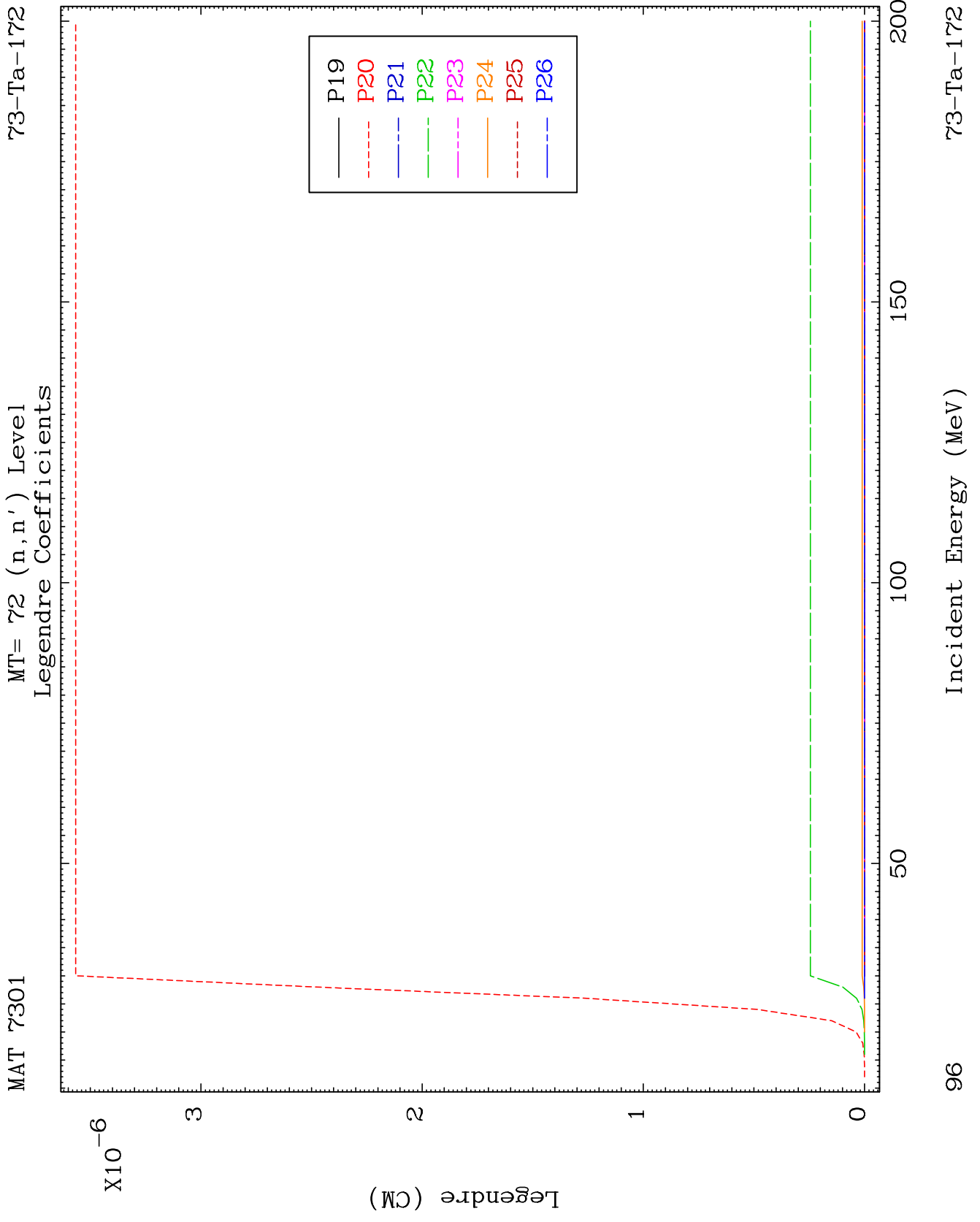
MT= 72 (n,n') Level
Legendre Coefficients



95

Incident Energy (MeV)

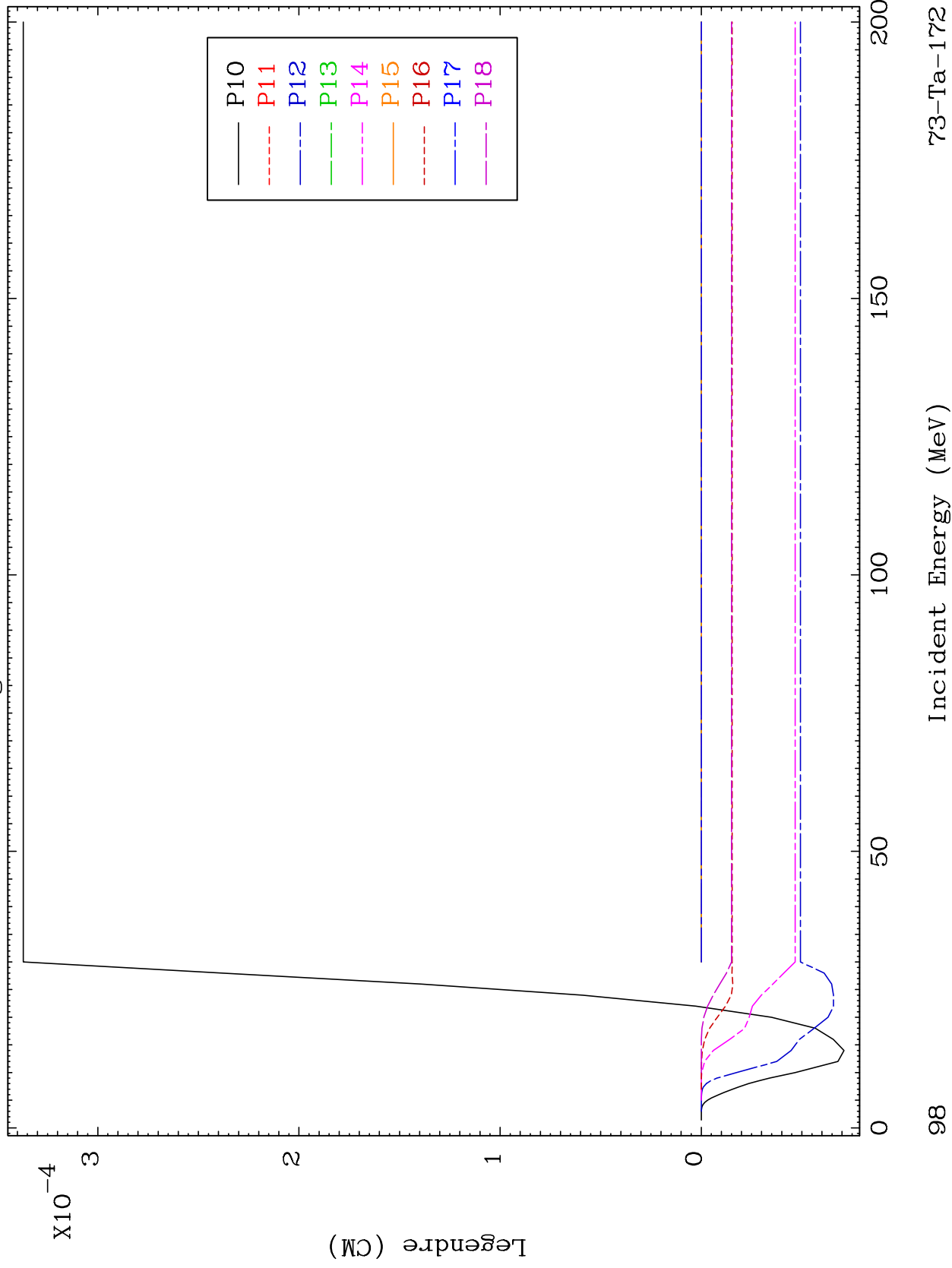
73-Ta-172



MAT 7301

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

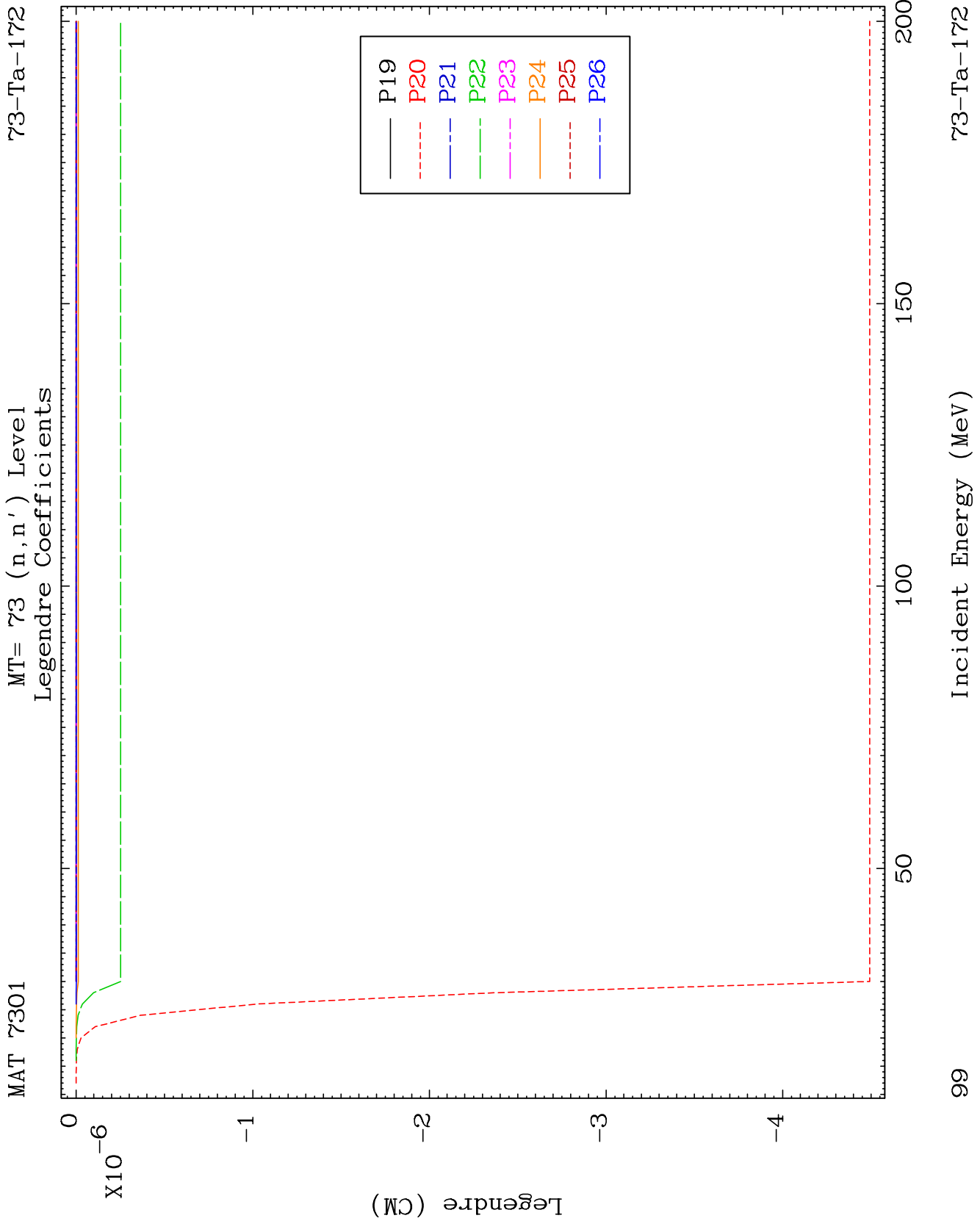
73-Ta-172

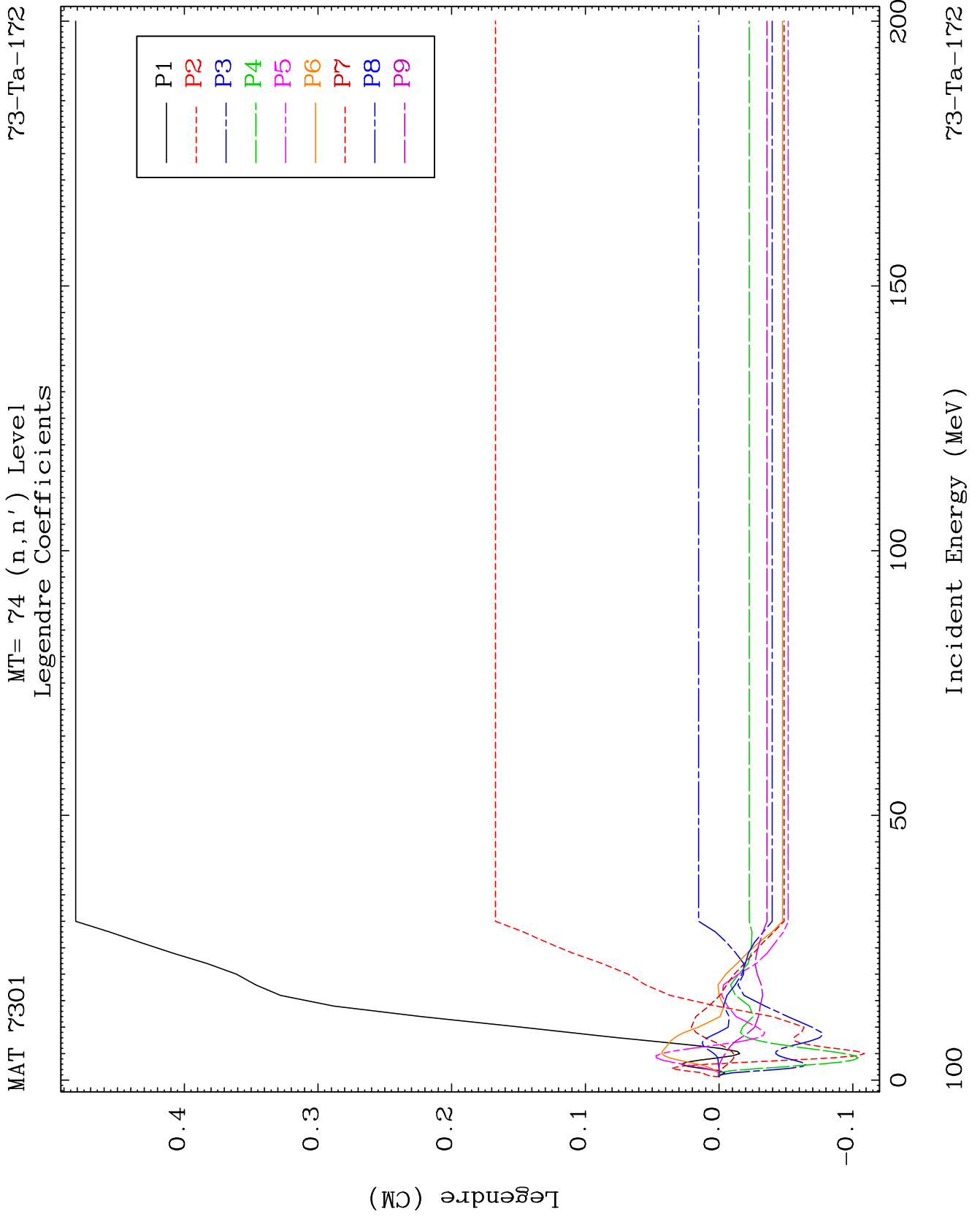


98

Incident Energy (MeV)

73-Ta-172

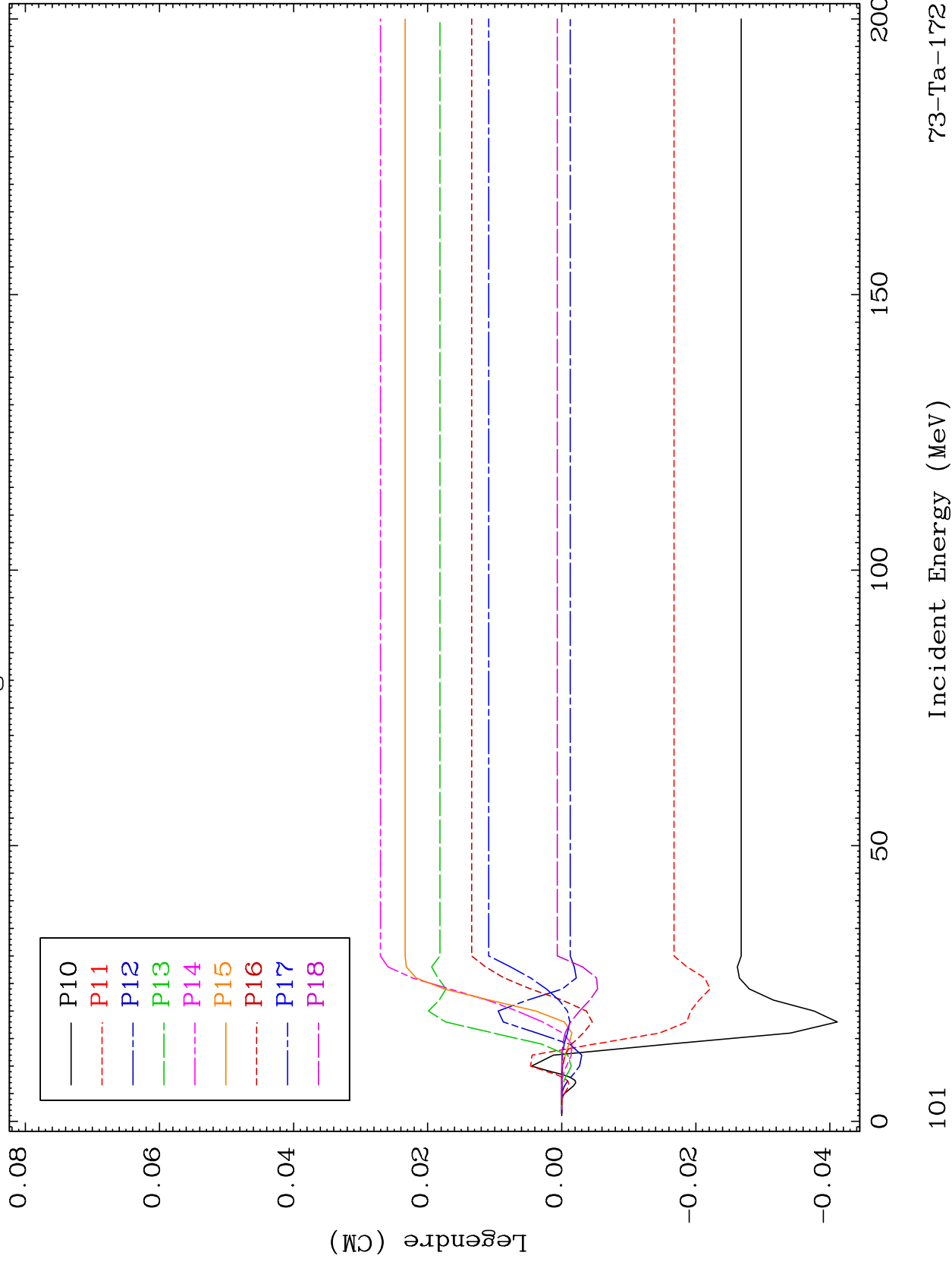




MAT 7301

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

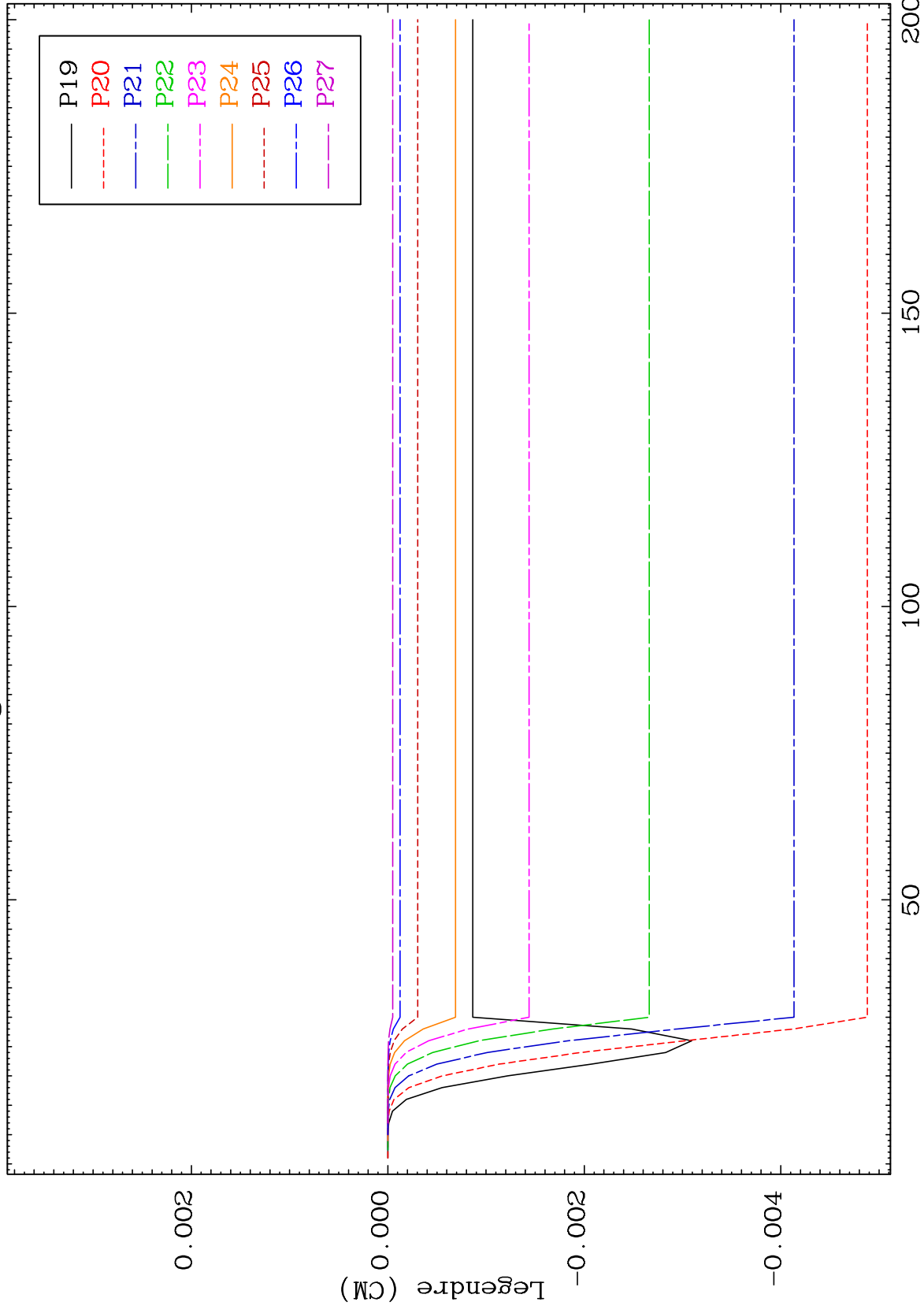
73-Ta-172



MAT 7301

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

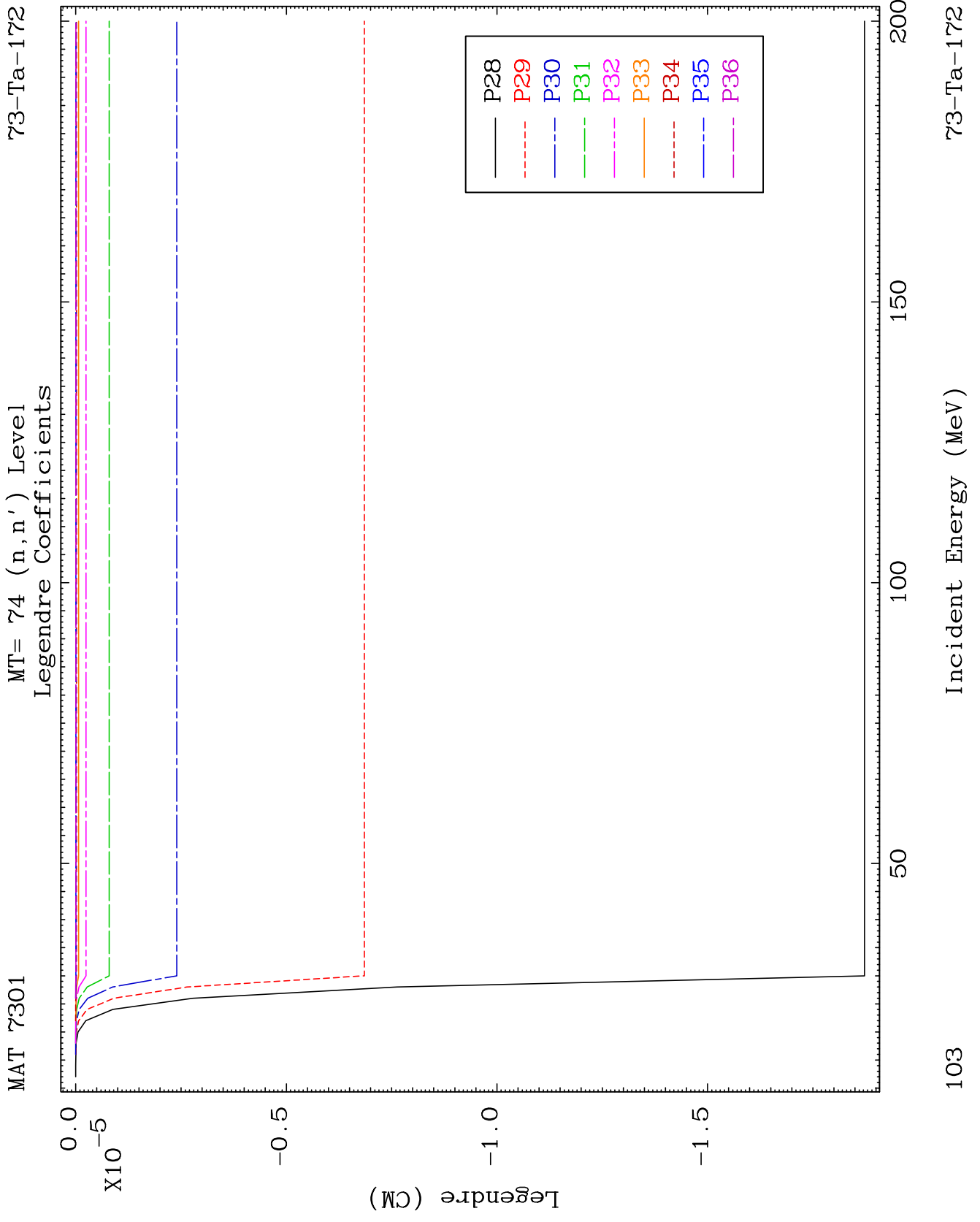
73-Ta-172



102

Incident Energy (MeV)

73-Ta-172

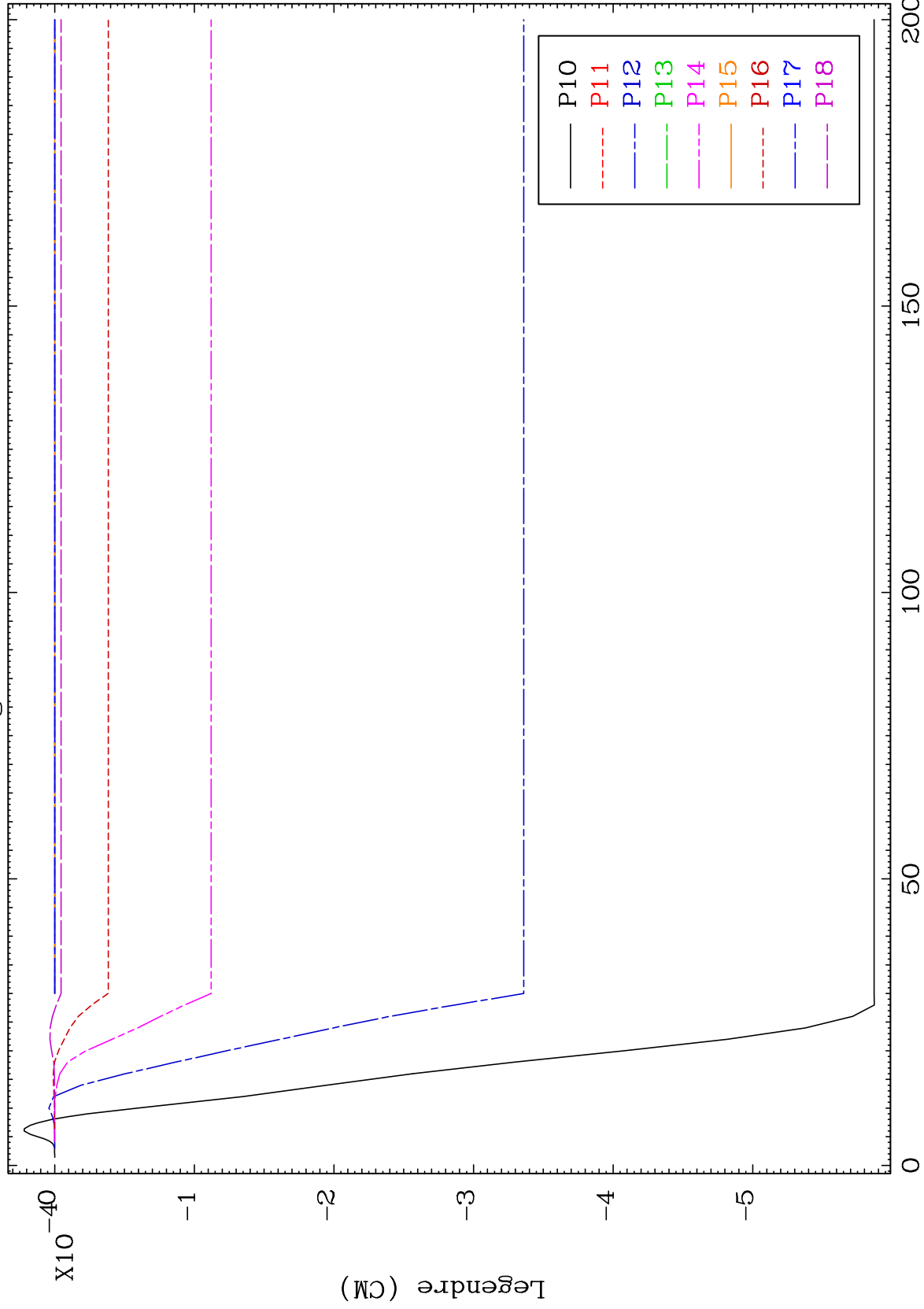


MAT 7301

MT= 75 (n,n') Level

73-Ta-172

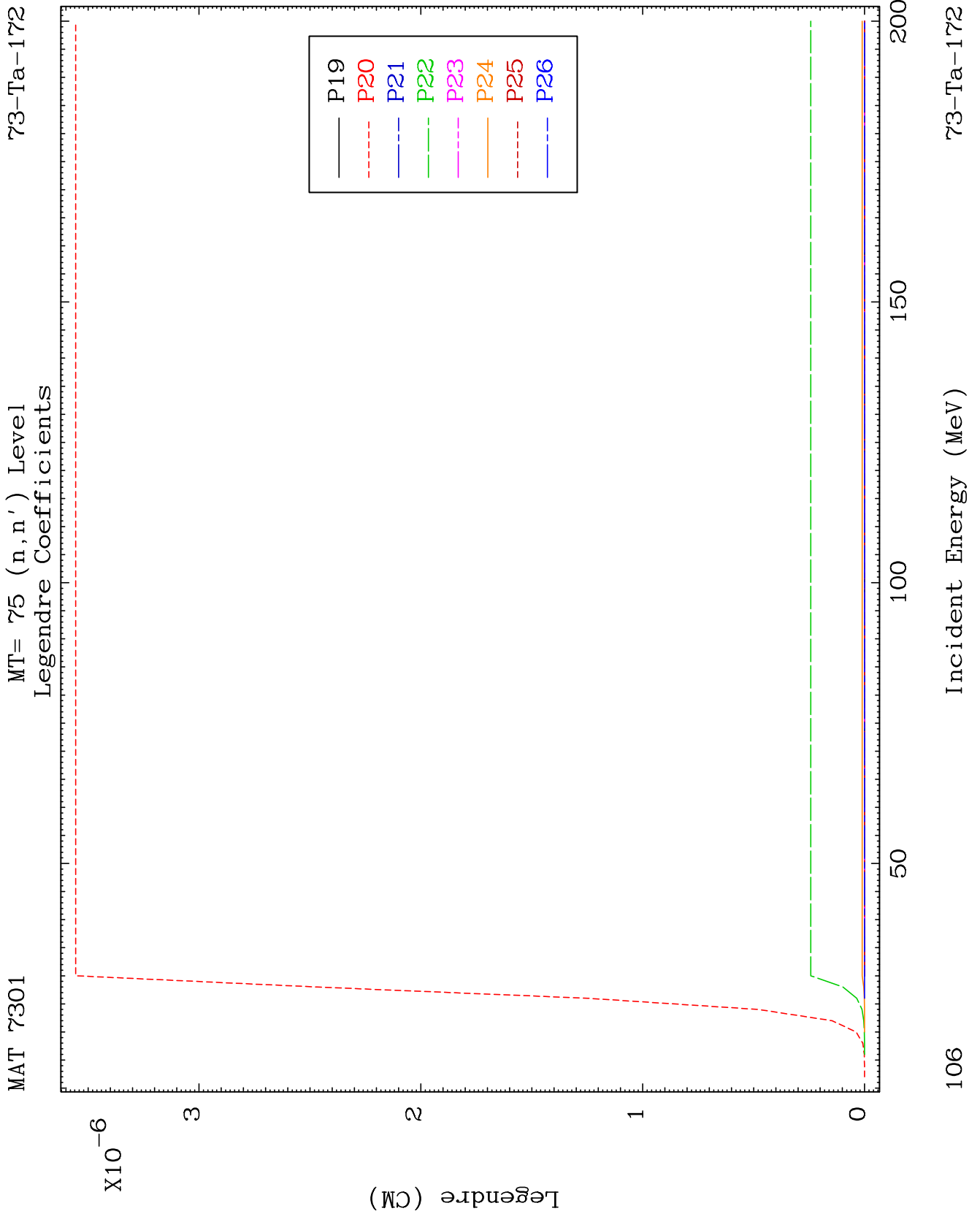
Legendre Coefficients



105

Incident Energy (MeV)

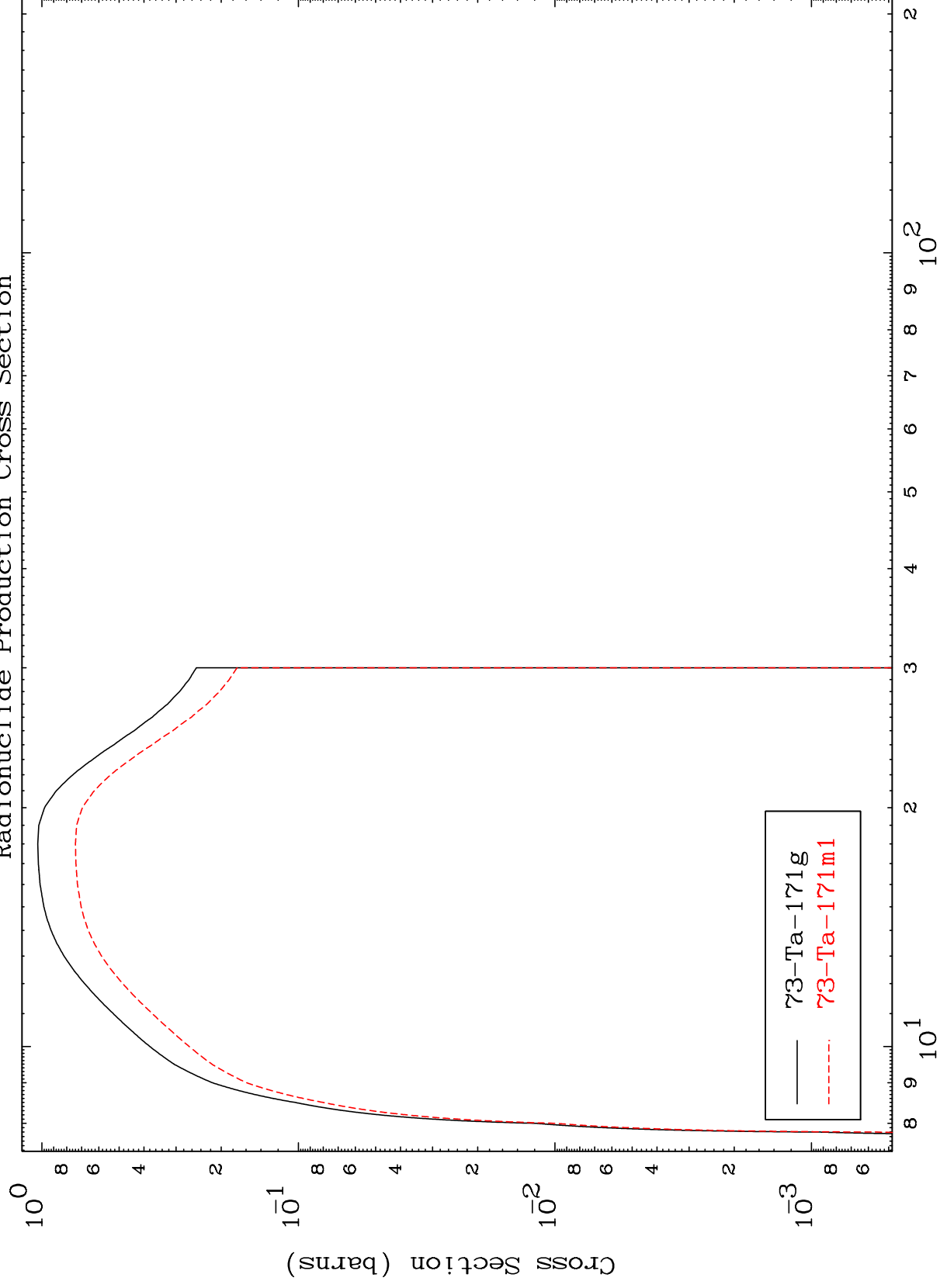
73-Ta-172



MAT 7301

⁷³Ta-172

(n,2n)
Radionuclide Production Cross Section



107

Incident Energy (MeV)

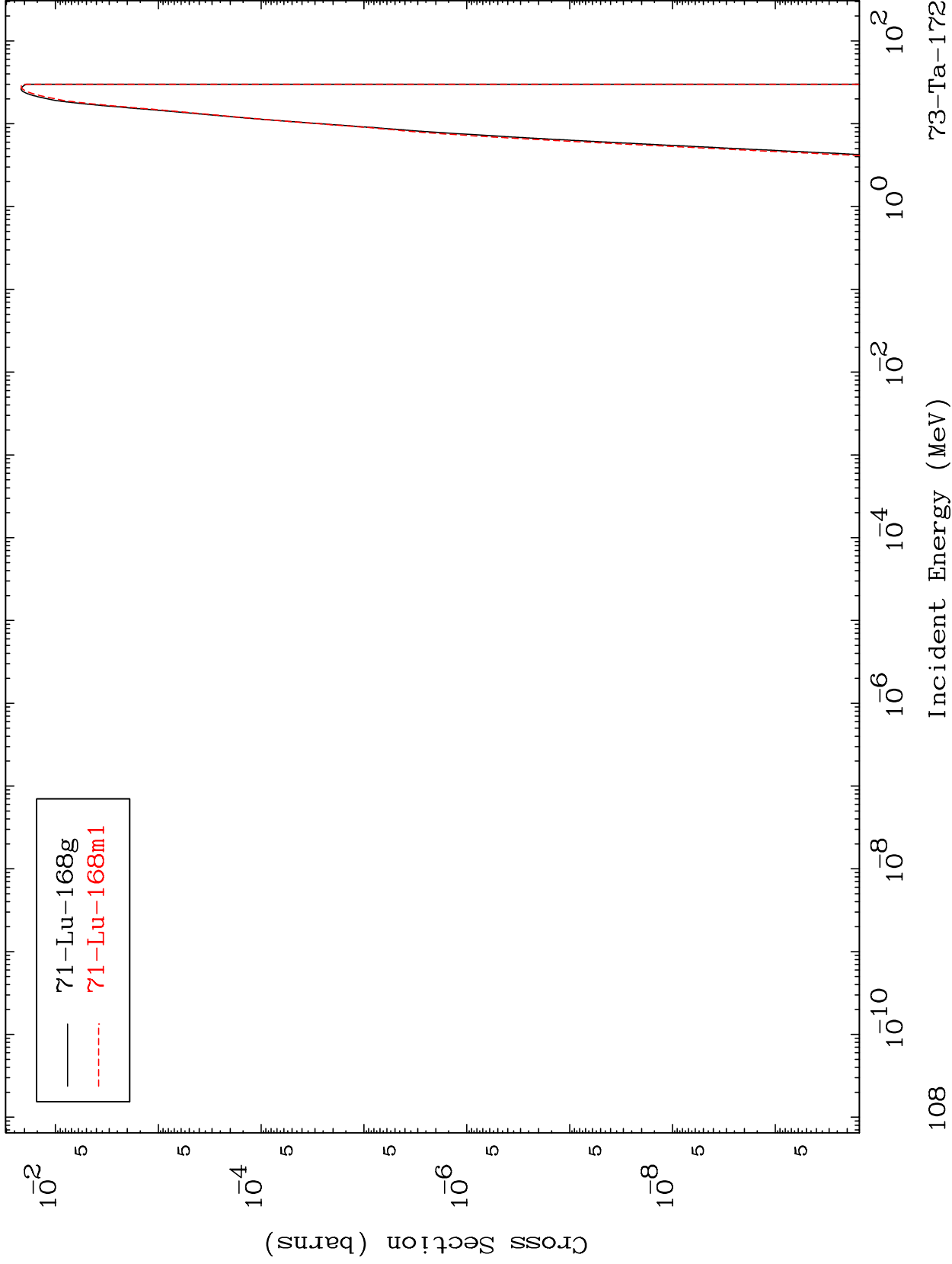
⁷³Ta-172

MAT 7301

$(n, n') \alpha$

73-Ta-172

Radionuclide Production Cross Section

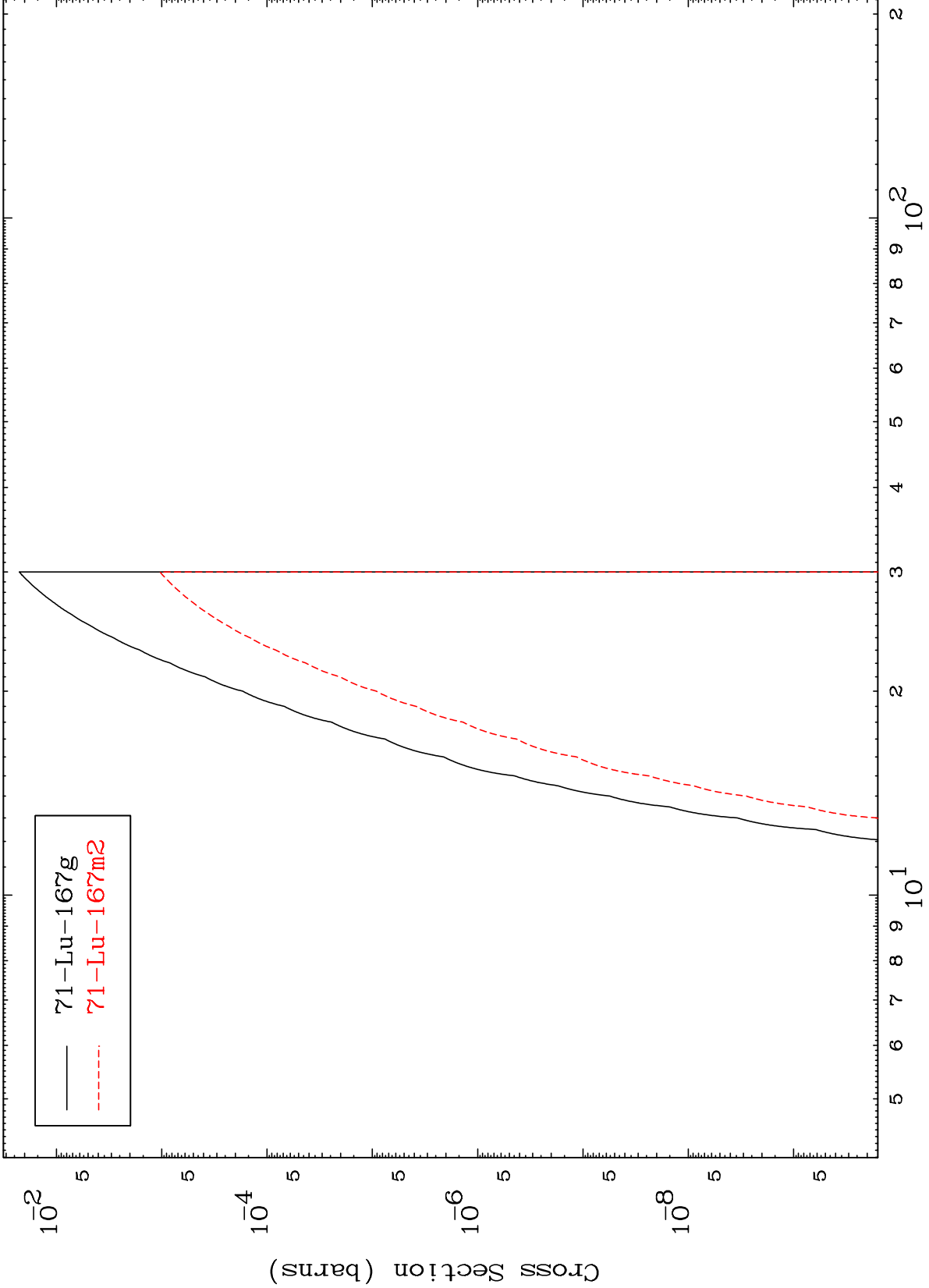


MAT 7301

(n,2n) α

73-Ta-172

Radionuclide Production Cross Section



— 71-Lu-167g
- - - 71-Lu-167m2

109

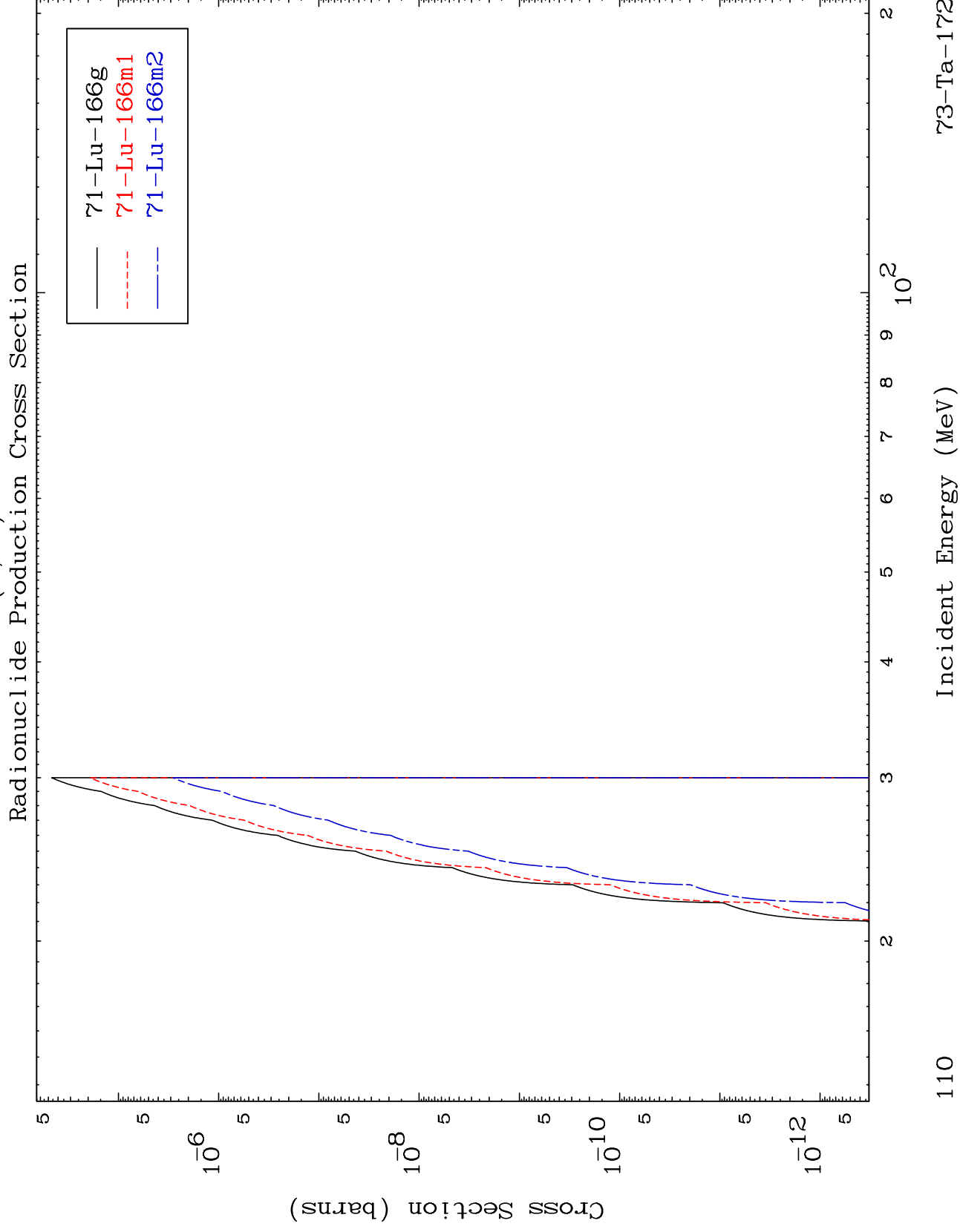
Incident Energy (MeV)

73-Ta-172

MAT 7301

$(n,3n) \alpha$

$^{73}\text{Ta-172}$



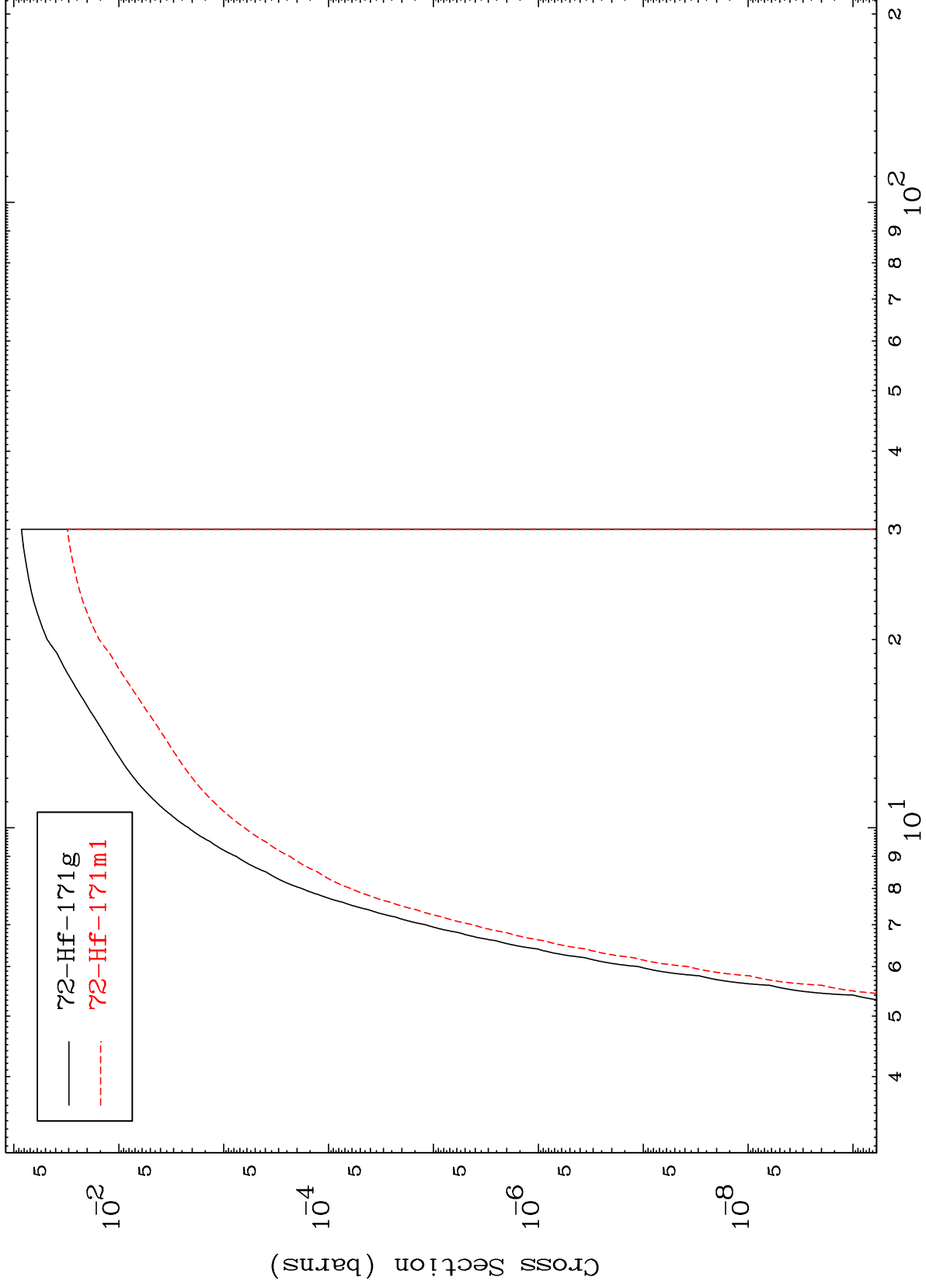
110

MAT 7301

(n,n') p

73-Ta-172

Radionuclide Production Cross Section



111

Incident Energy (MeV)

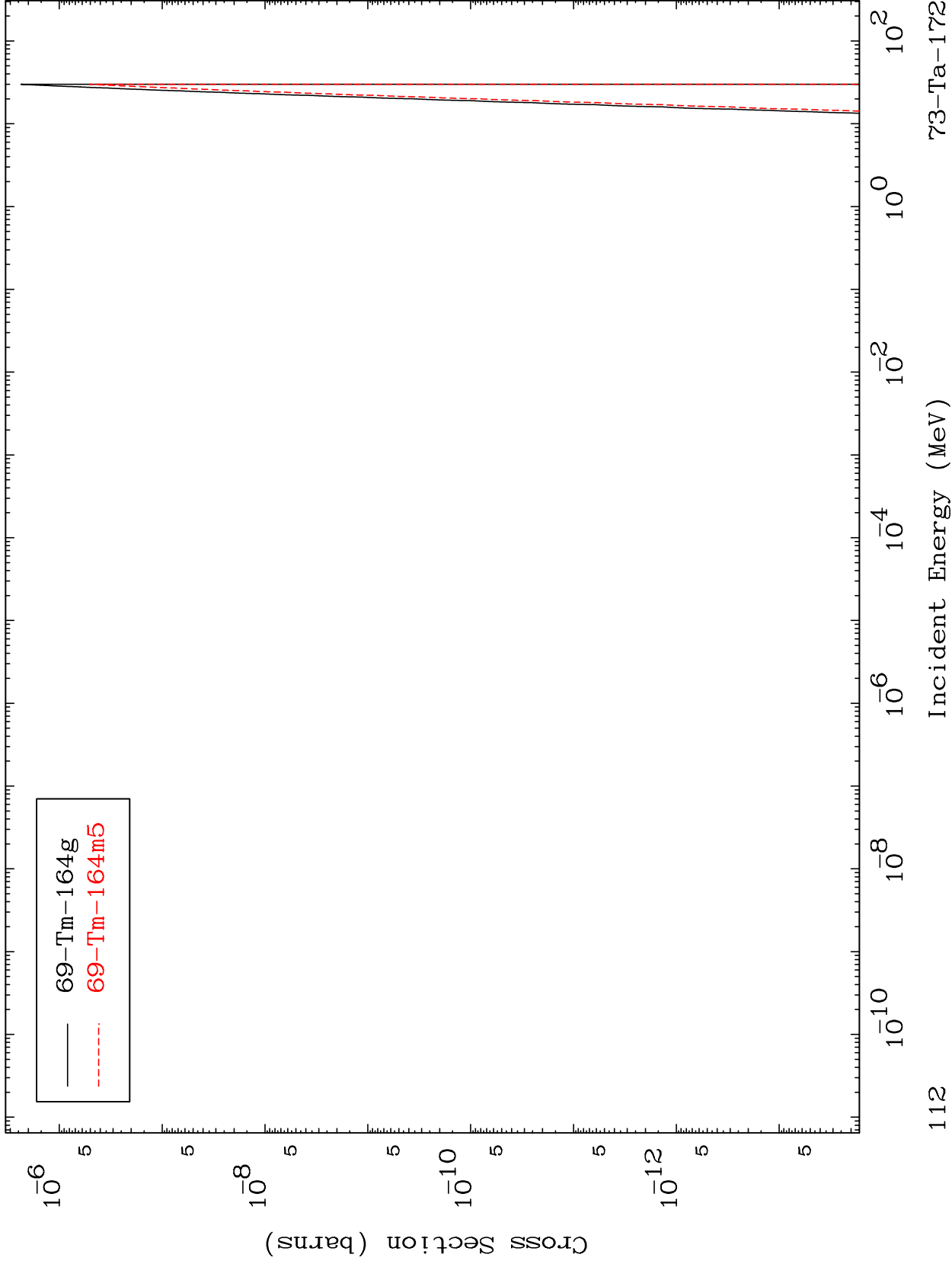
73-Ta-172

MAT 7301

(n,n') 2α

73-Ta-172

Radionuclide Production Cross Section

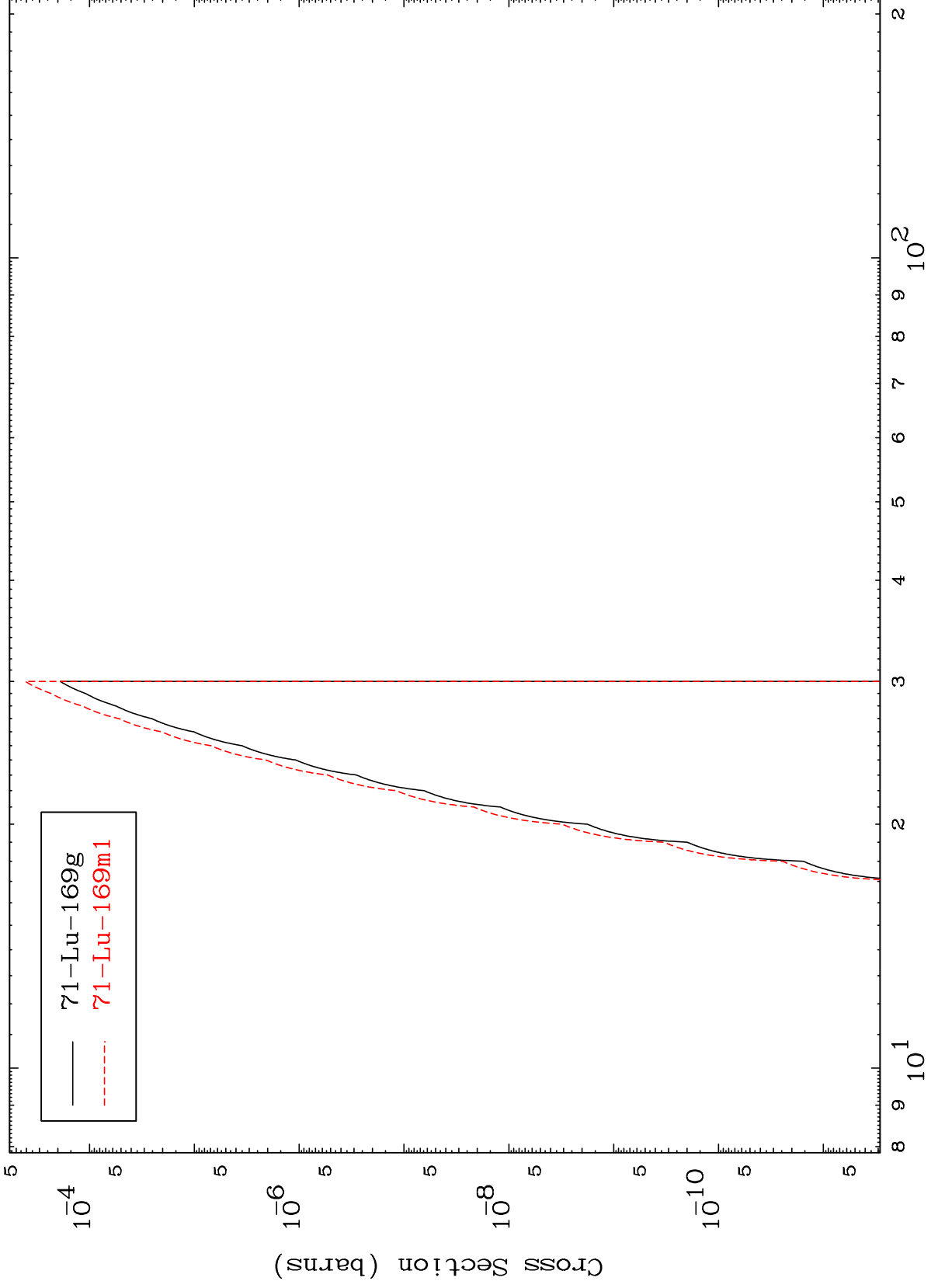


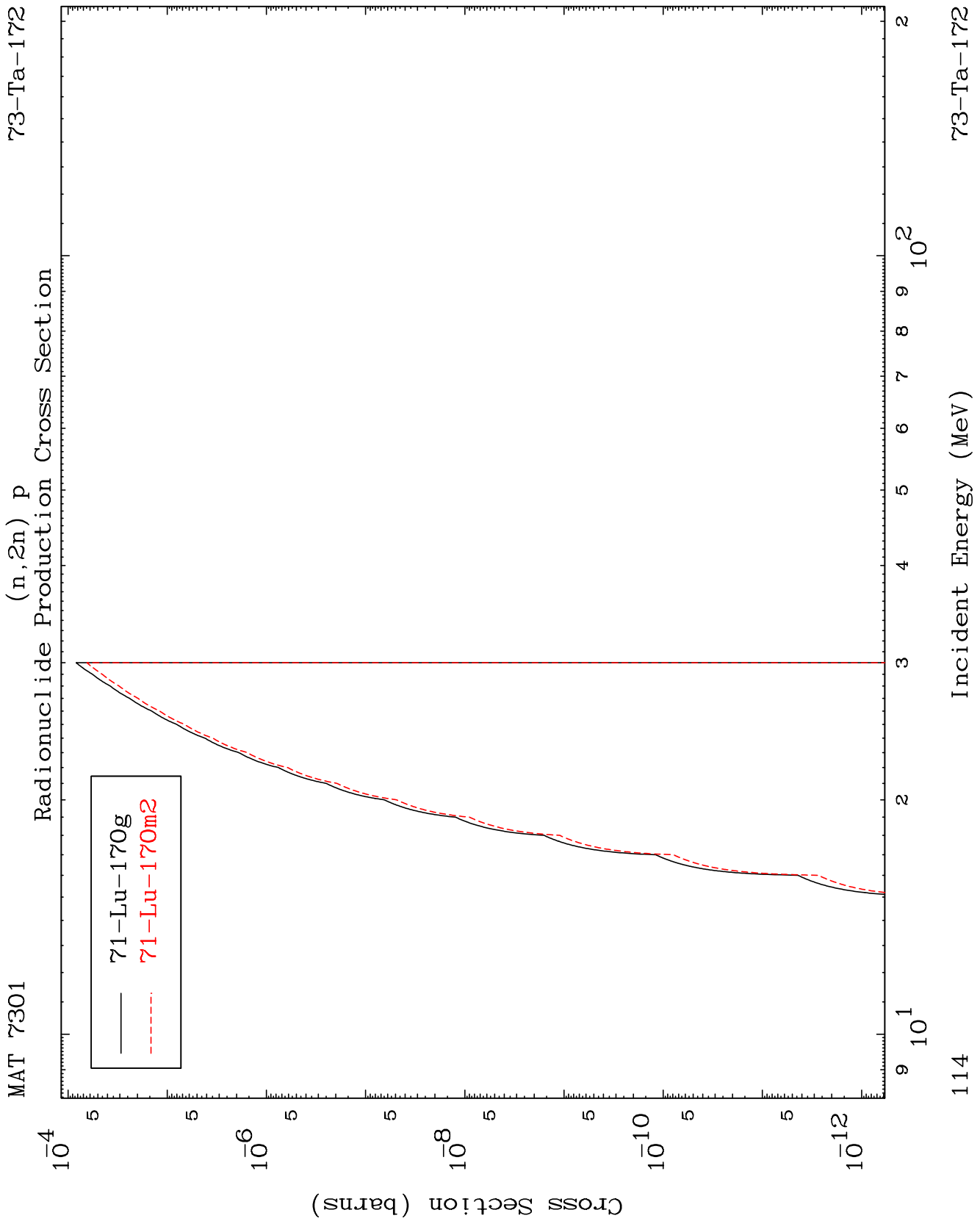
MAT 7301

(n,n') He-3

73-Ta-172

Radionuclide Production Cross Section



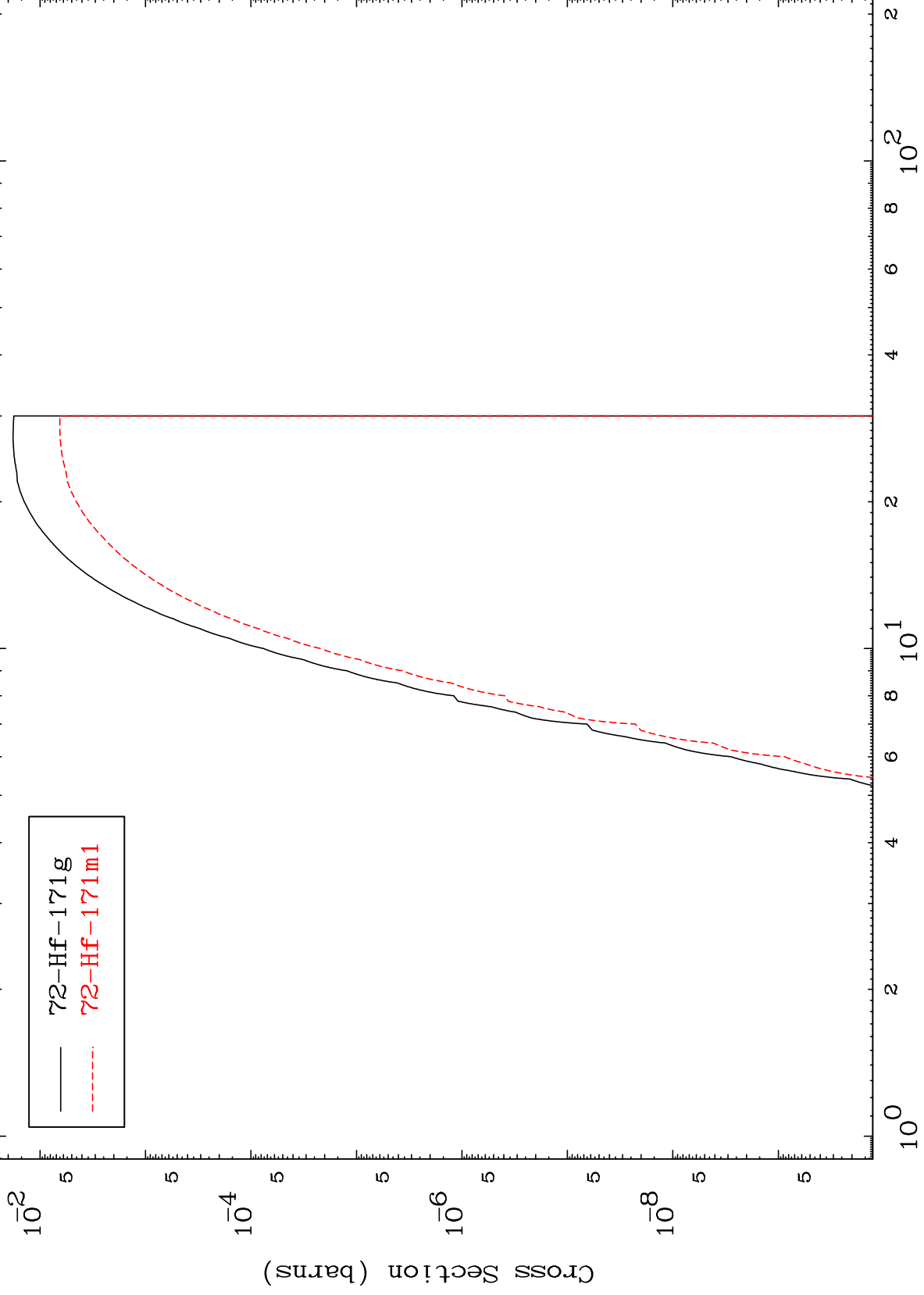


MAT 7301

(n,d)

⁷³Ta-172

Radionuclide Production Cross Section



— ⁷²Hf-171g
- - - ⁷²Hf-171m1

Incident Energy (MeV)

⁷³Ta-172

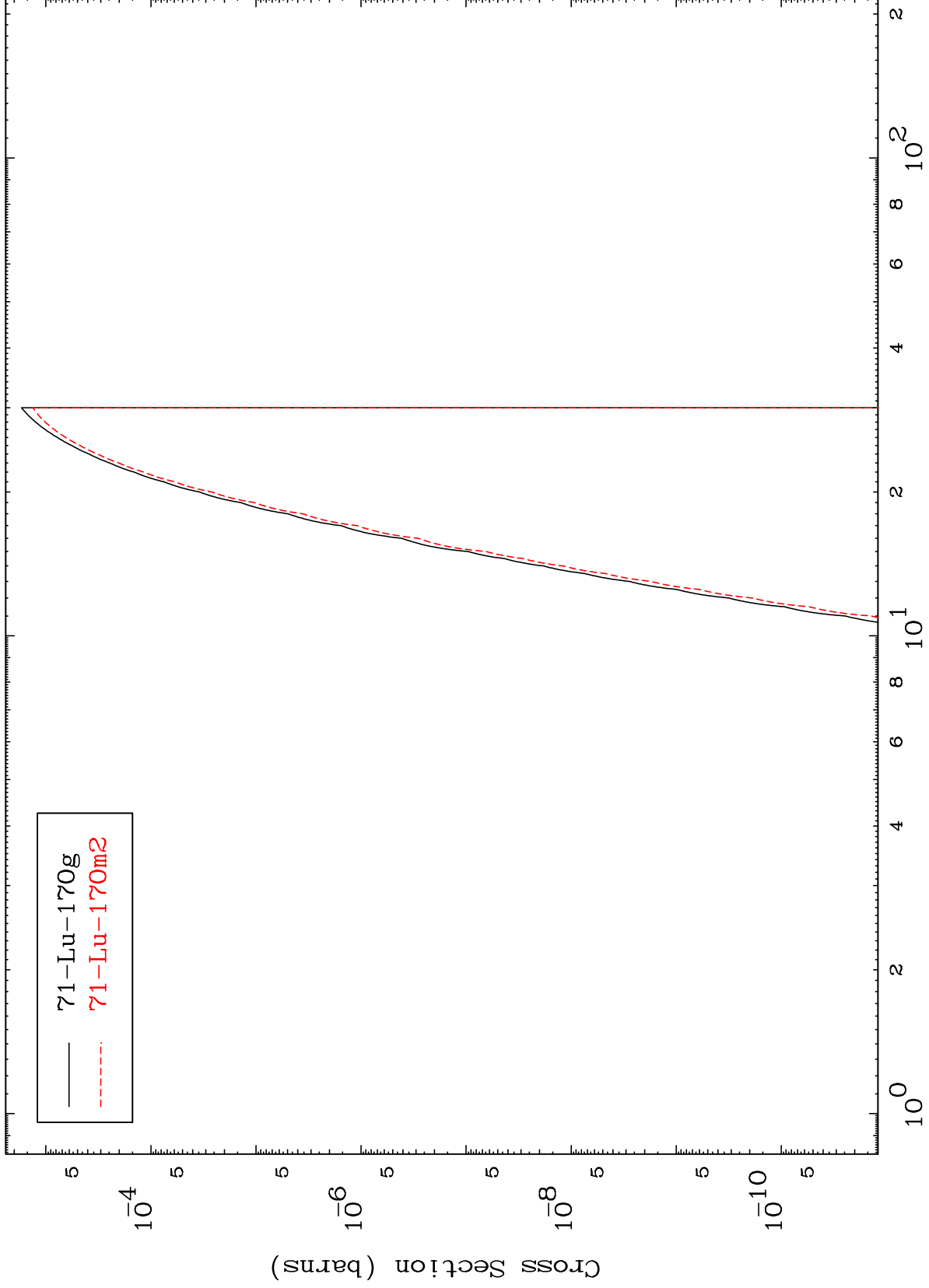
115

MAT 7301

(n,He-3)

73-Ta-172

Radionuclide Production Cross Section



116

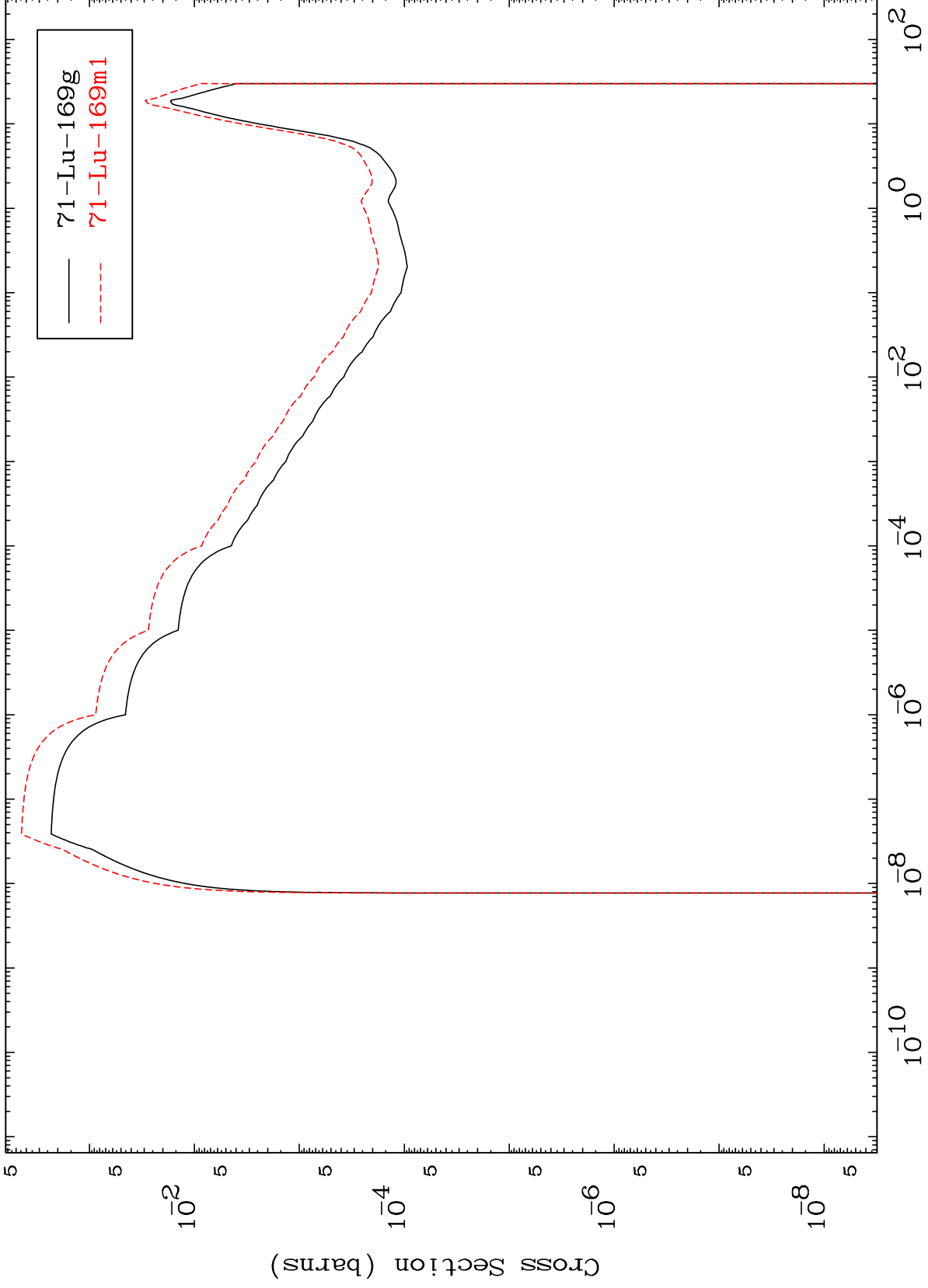
Incident Energy (MeV)

73-Ta-172

MAT 7301

73-Ta-172

(n, α)
Radionuclide Production Cross Section

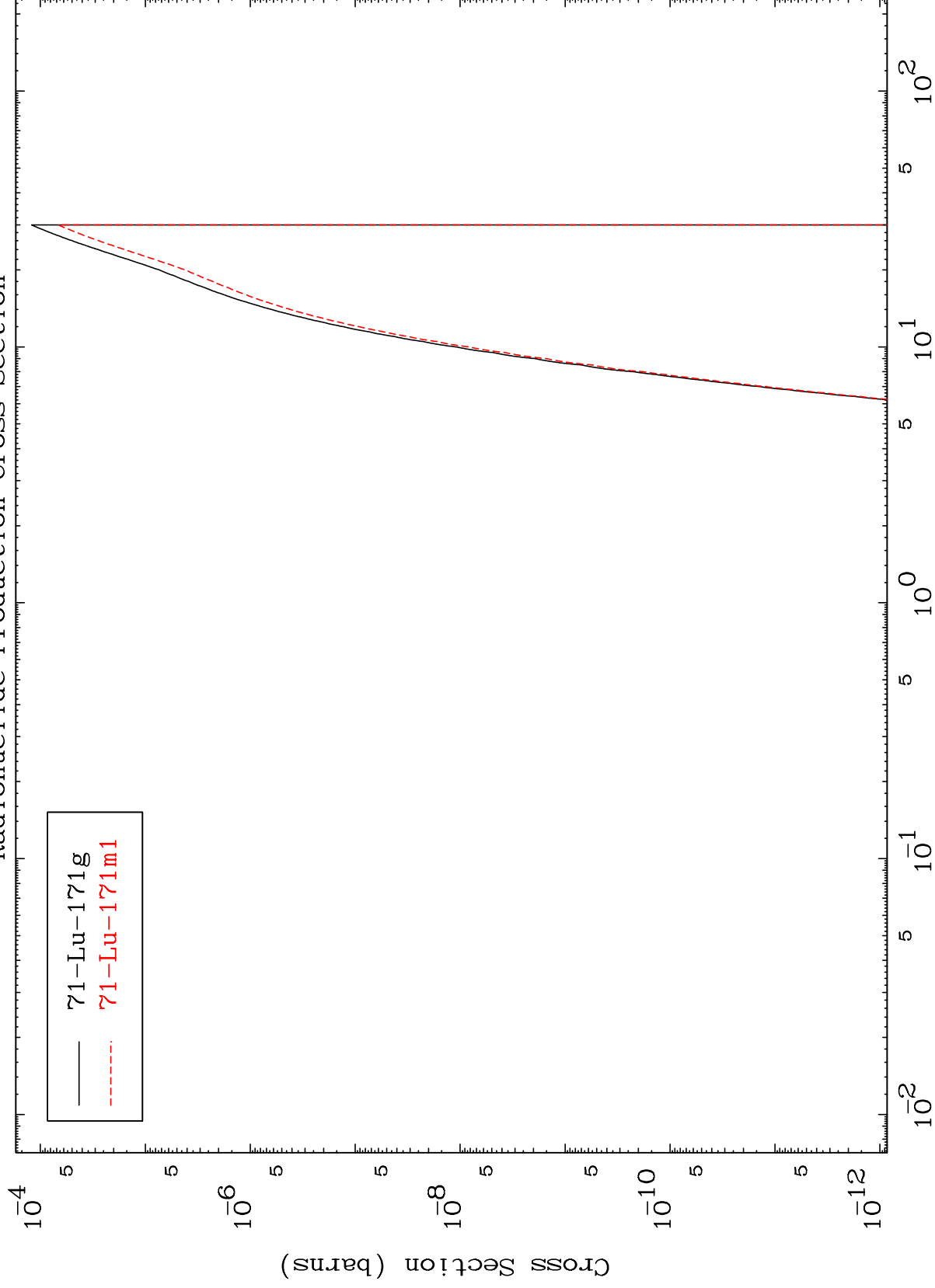


MAT 7301

(n,2p)

73-Ta-172

Radionuclide Production Cross Section



71-Lu-171g
71-Lu-171m1

Incident Energy (MeV)

73-Ta-172

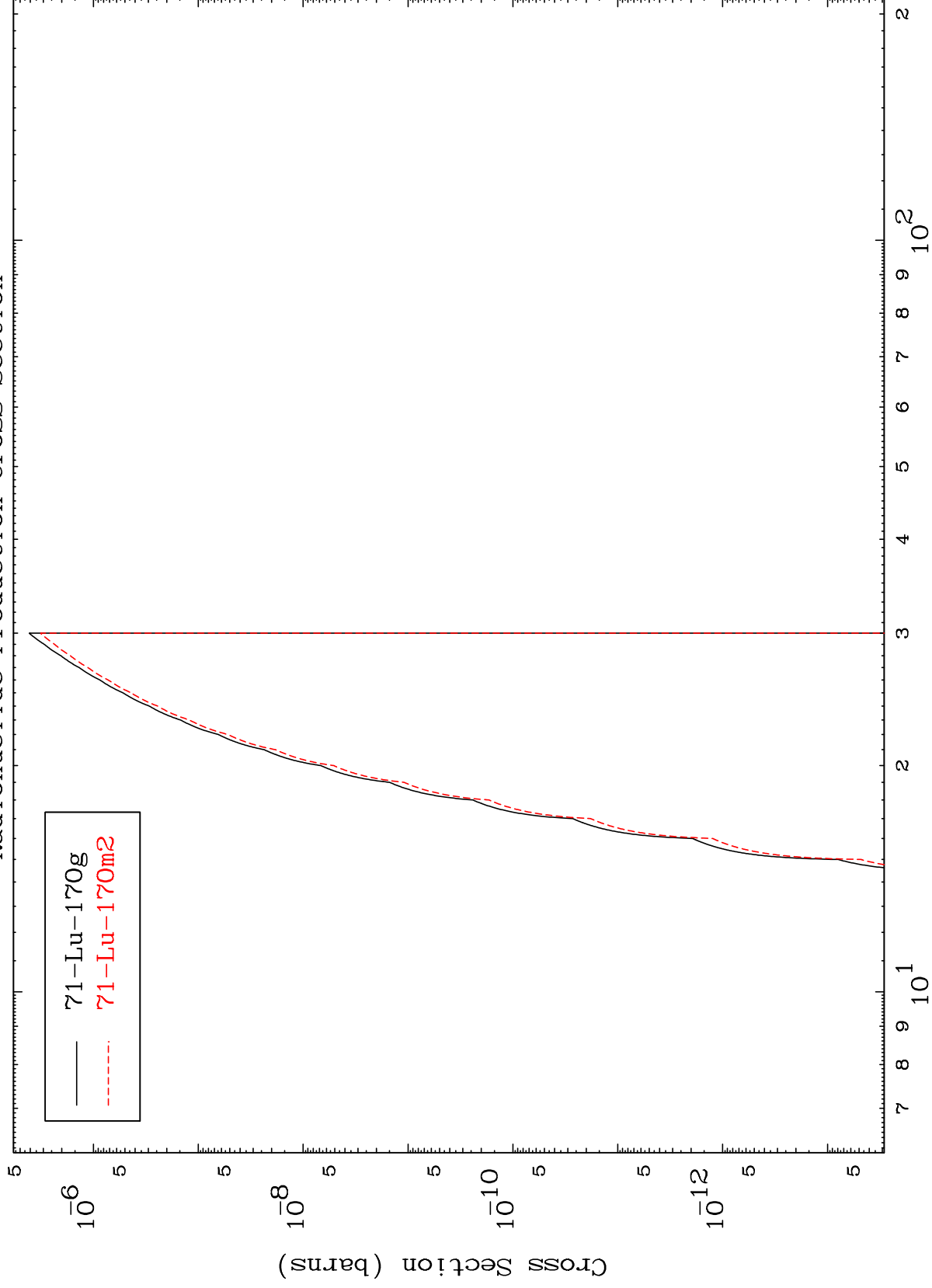
118

MAT 7301

(n,p) d

73-Ta-172

Radionuclide Production Cross Section



119

Incident Energy (MeV)

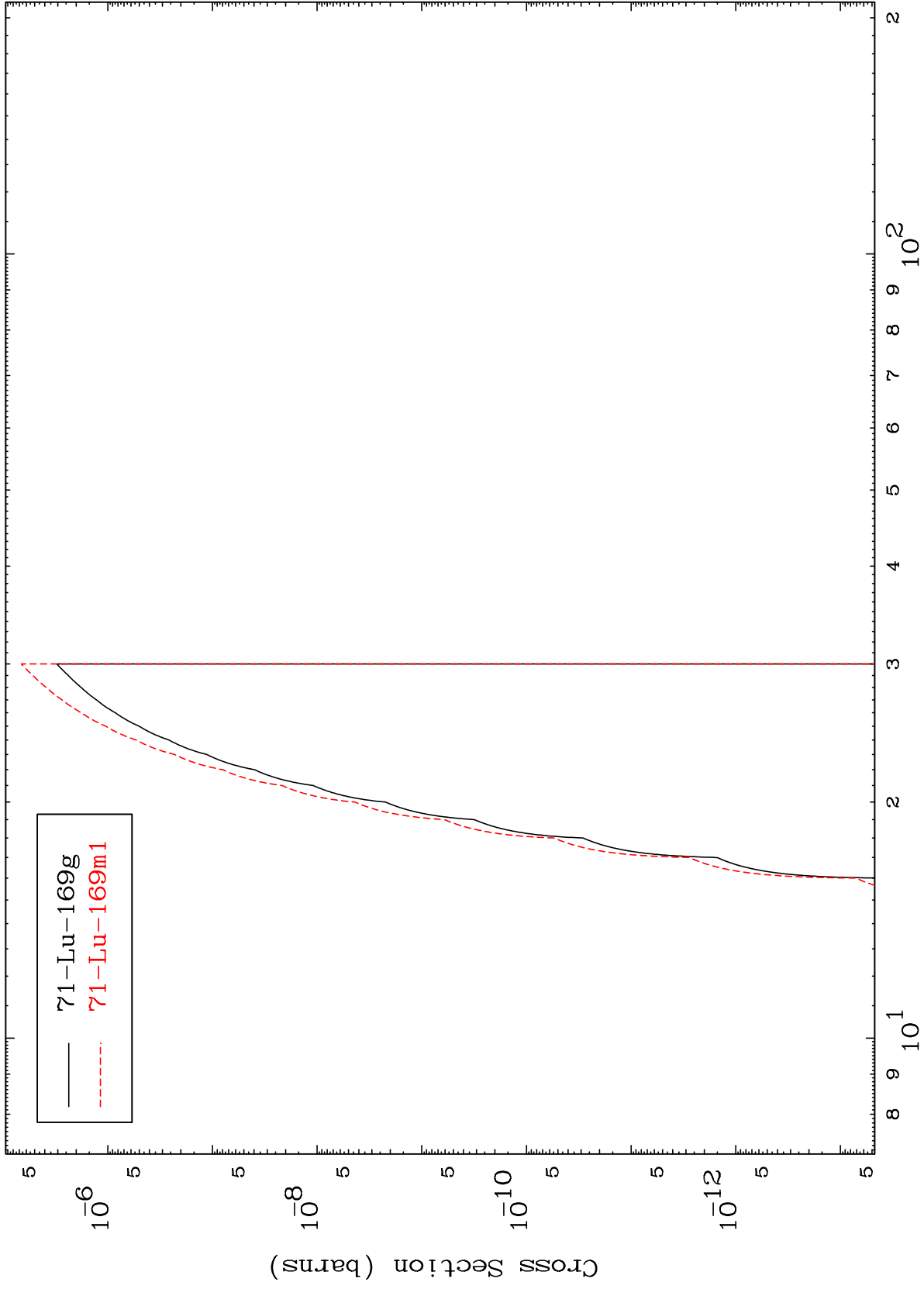
73-Ta-172

MAT 7301

(n,p) t

73-Ta-172

Radionuclide Production Cross Section



120

Incident Energy (MeV)

73-Ta-172