

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

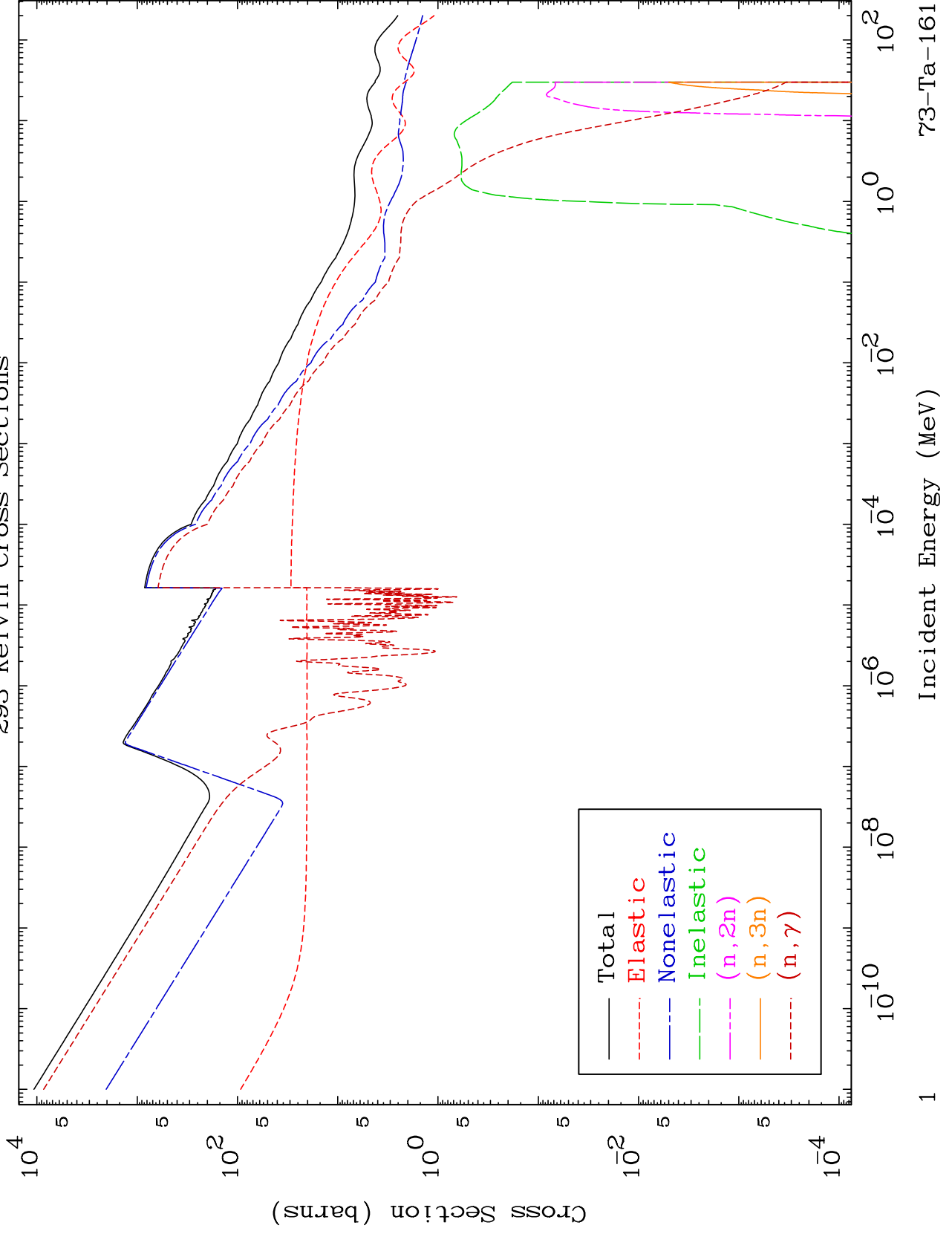
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7268

Neutron Major
293 Kelvin Cross Sections

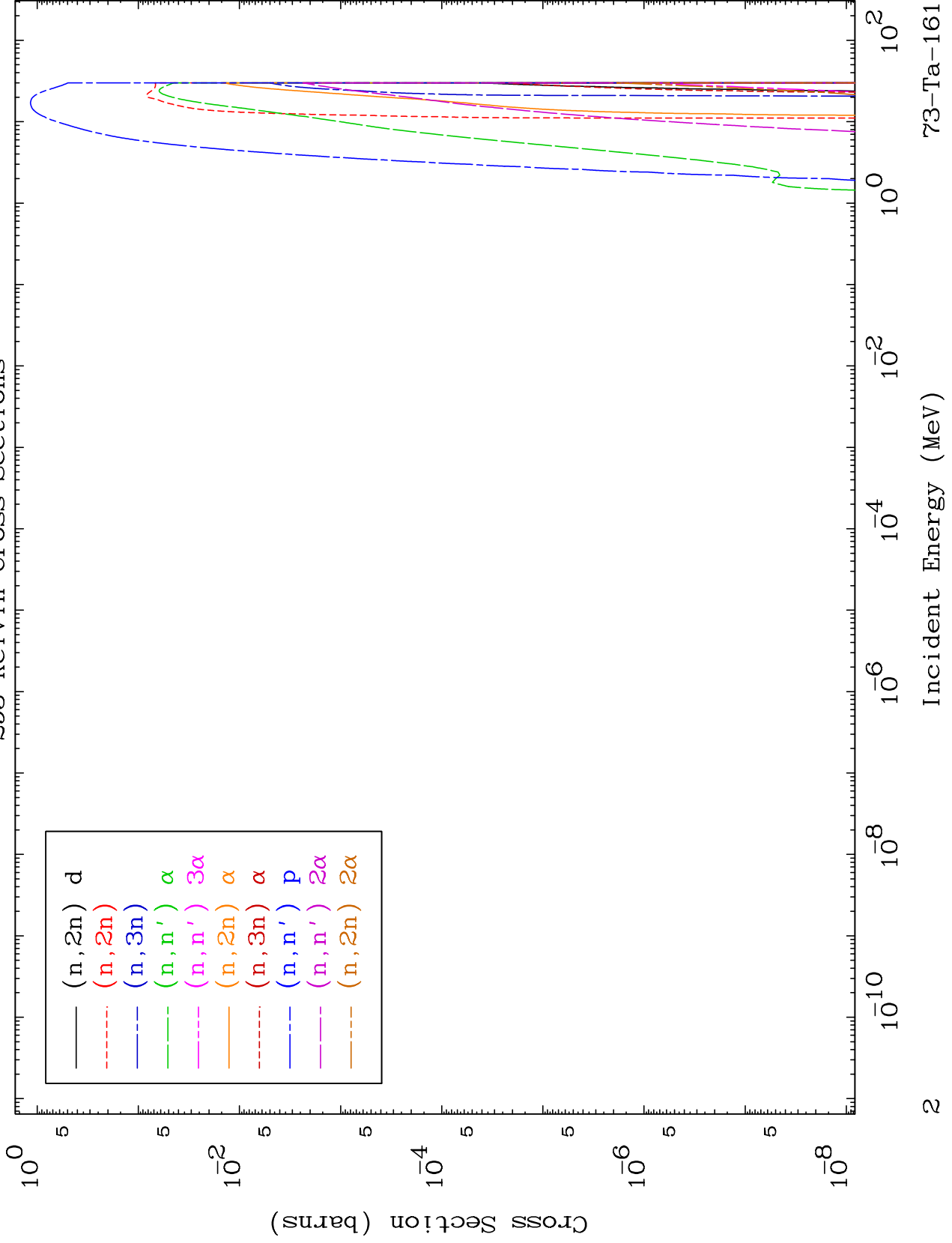
73-Ta-161



MAT 7268

Neutron Absorption
293 Kelvin Cross Sections

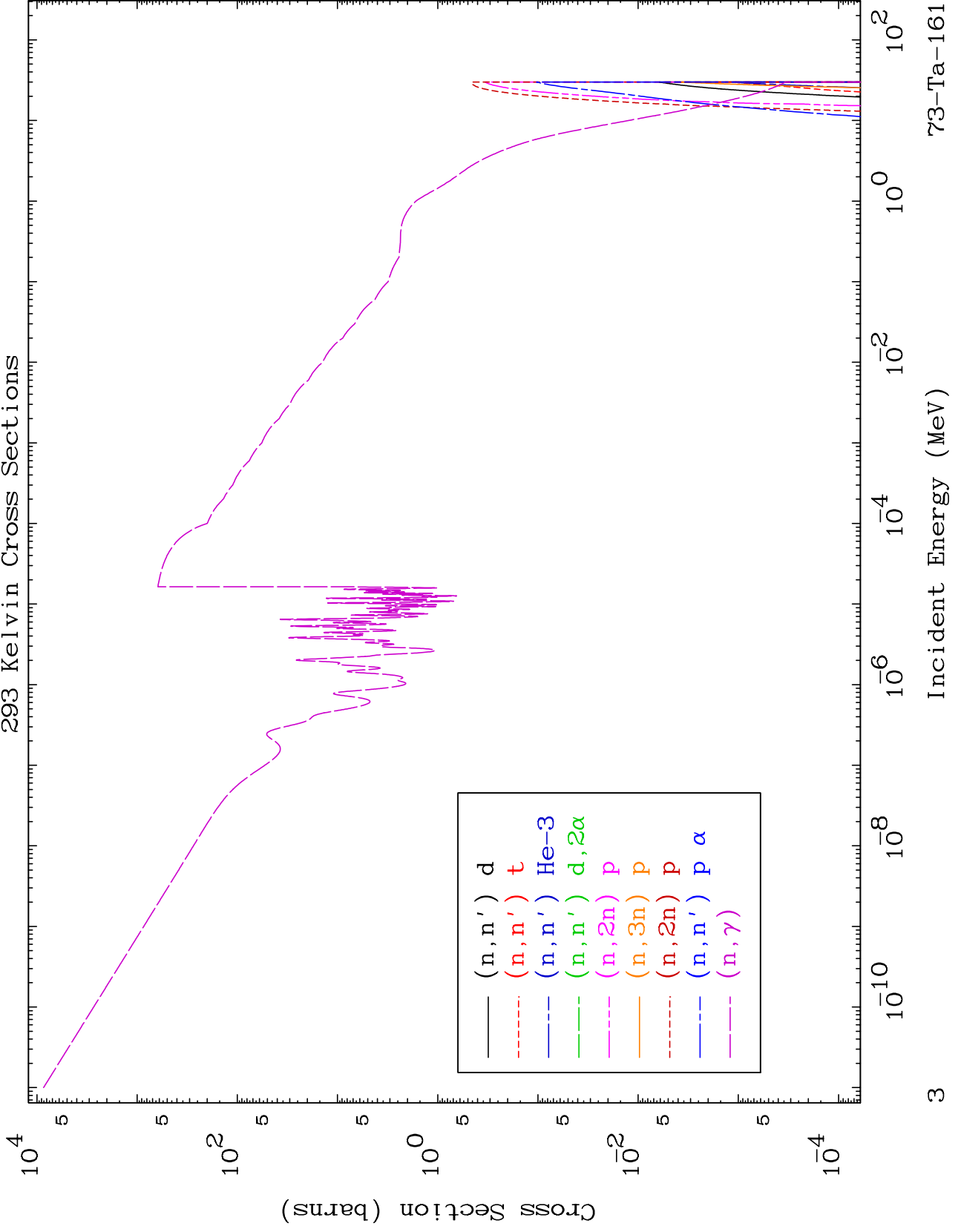
73-Ta-161



MAT 7268

Neutron Absorption
293 Kelvin Cross Sections

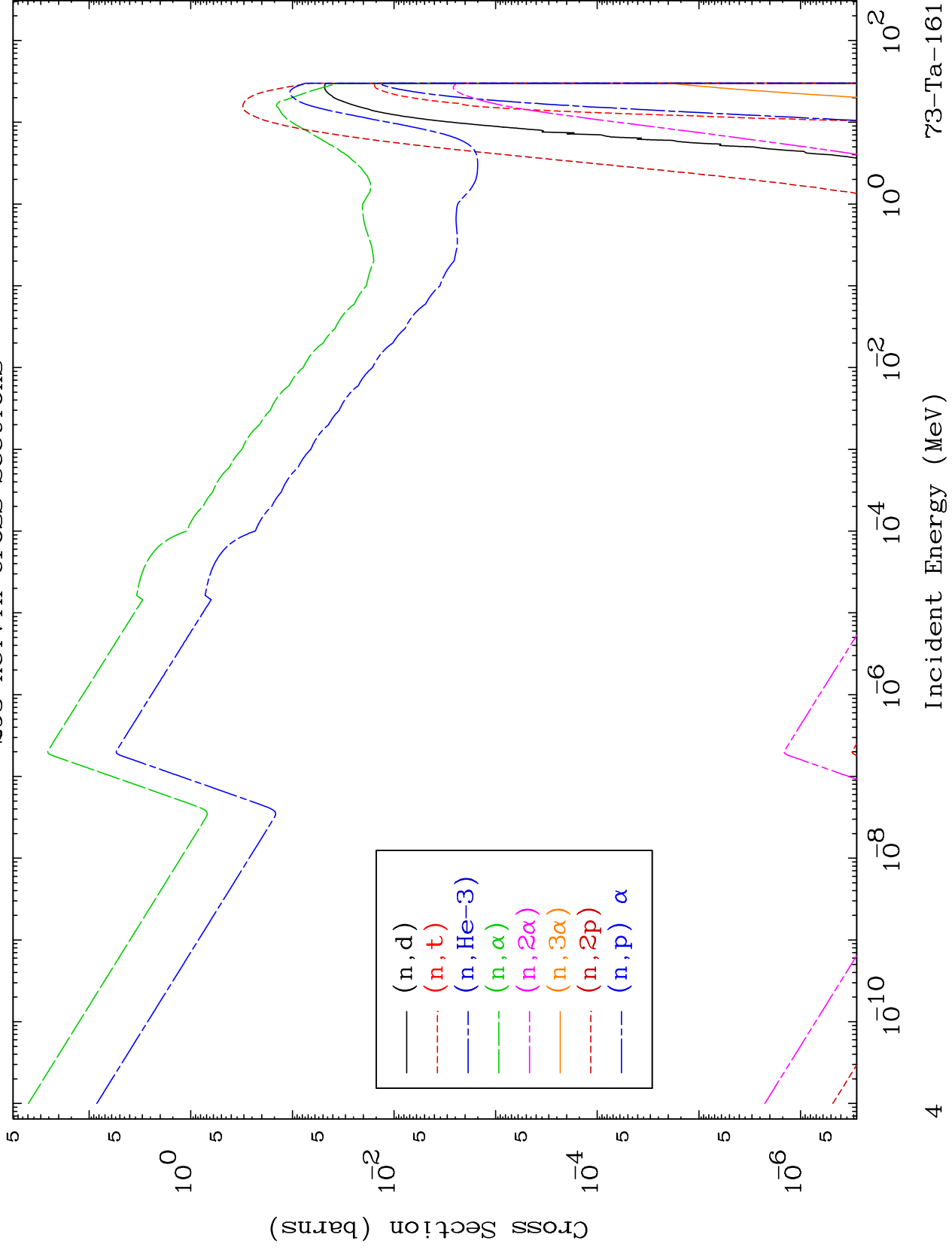
73-Ta-161



MAT 7268

Neutron Absorption
293 Kelvin Cross Sections

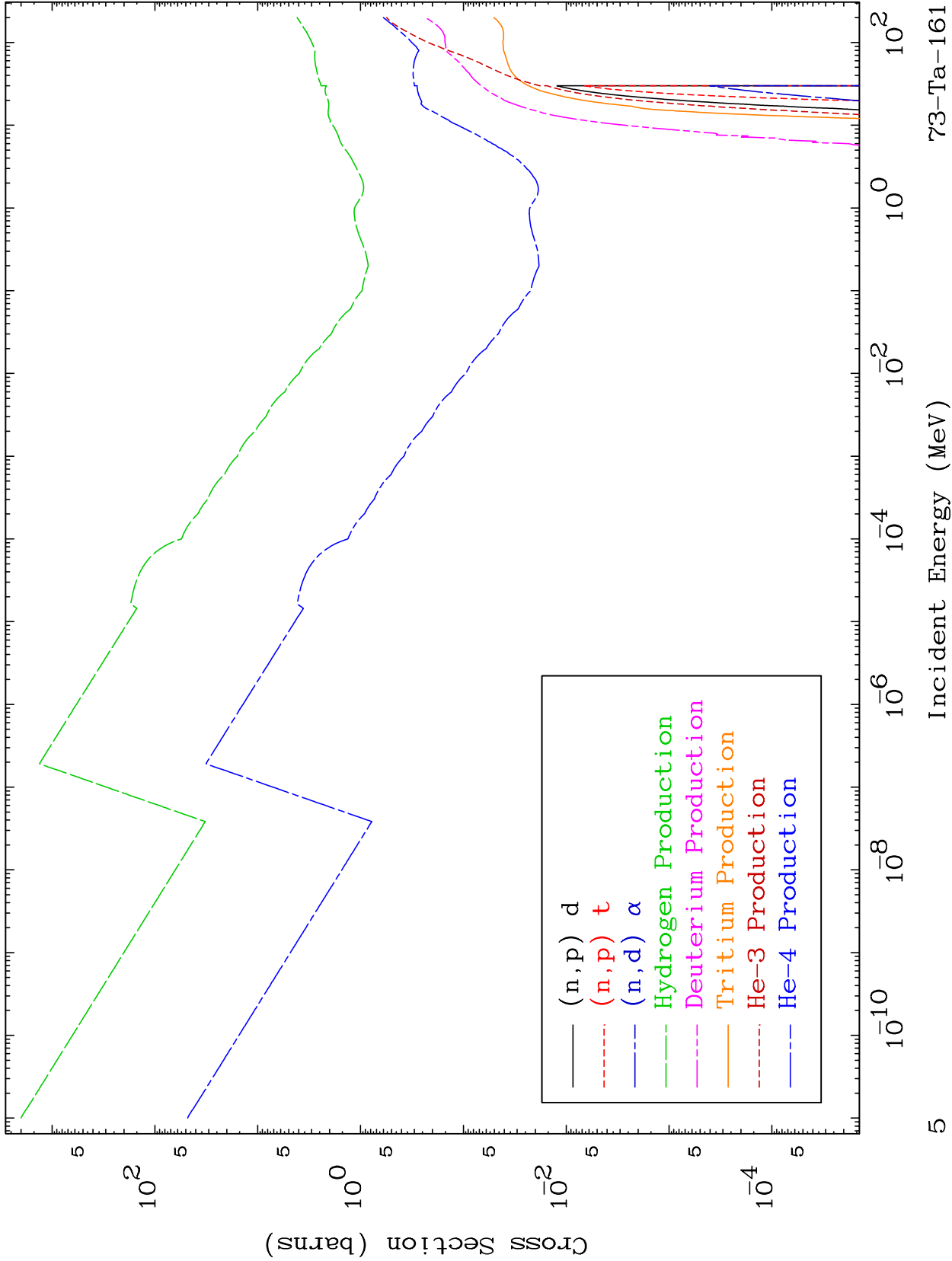
73-Ta-161



MAT 7268

Neutron Absorption
293 Kelvin Cross Sections

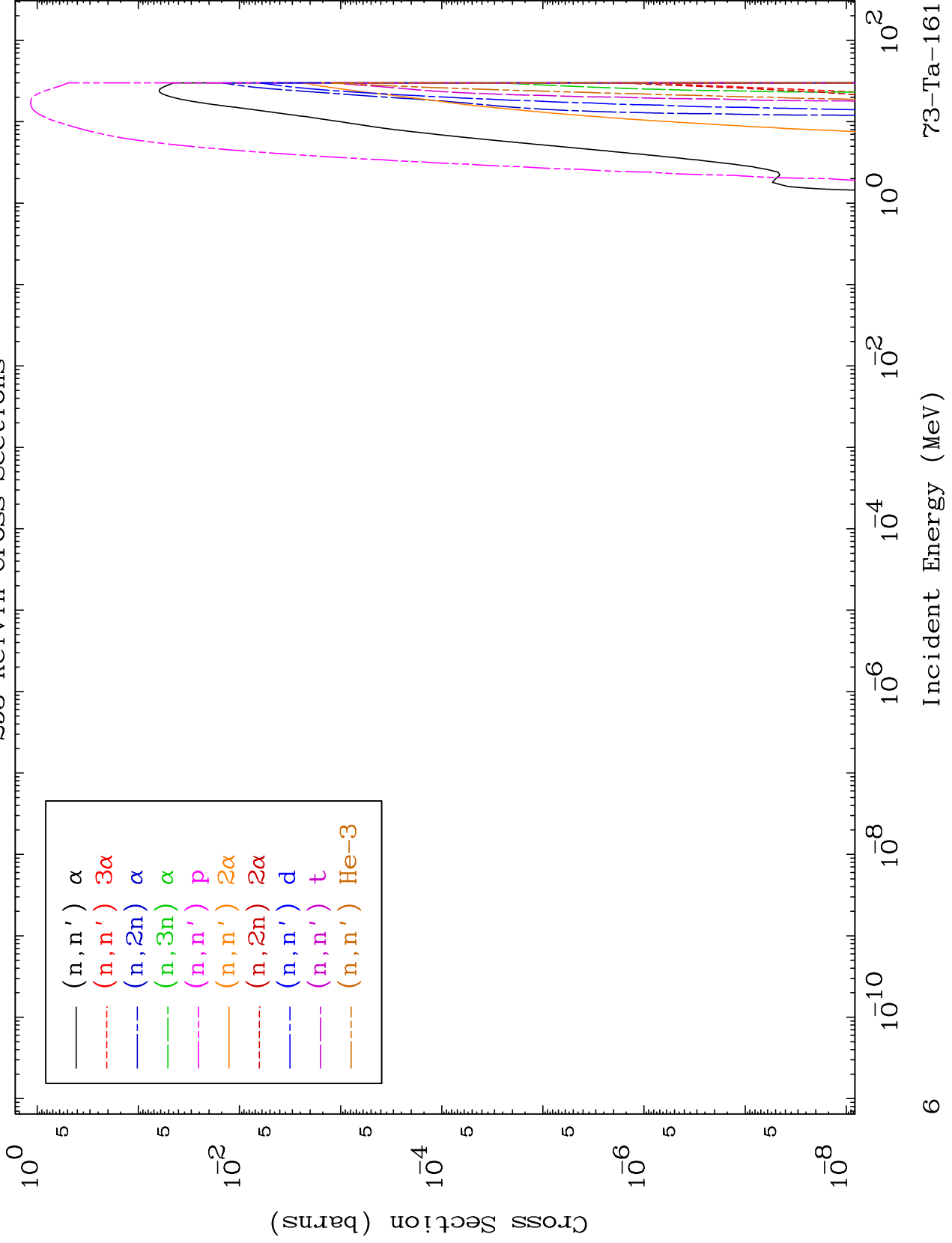
73-Ta-161



MAT 7268

Charged Particle
293 Kelvin Cross Sections

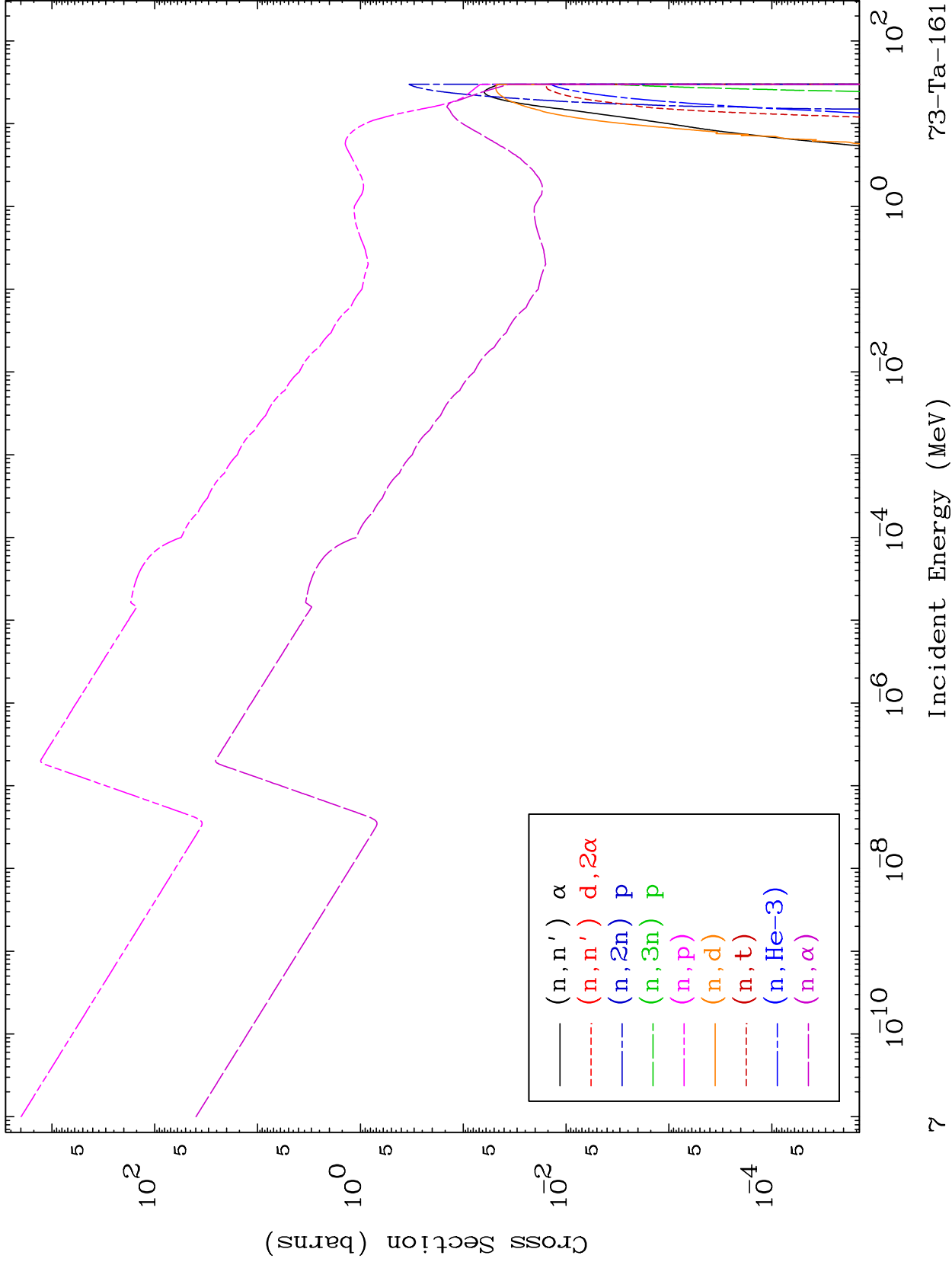
73-Ta-161



MAT 7268

Charged Particle
293 Kelvin Cross Sections

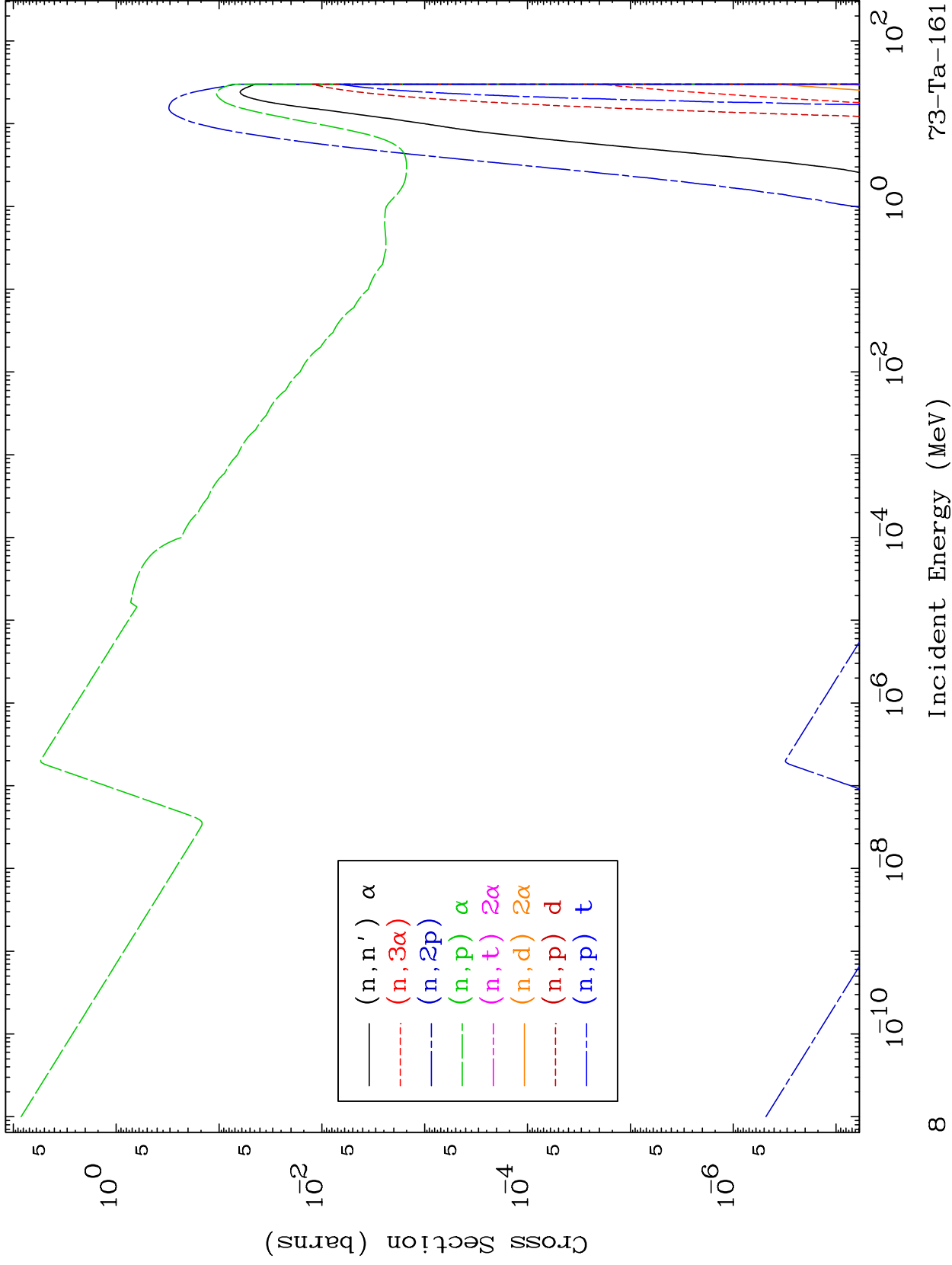
73-Ta-161

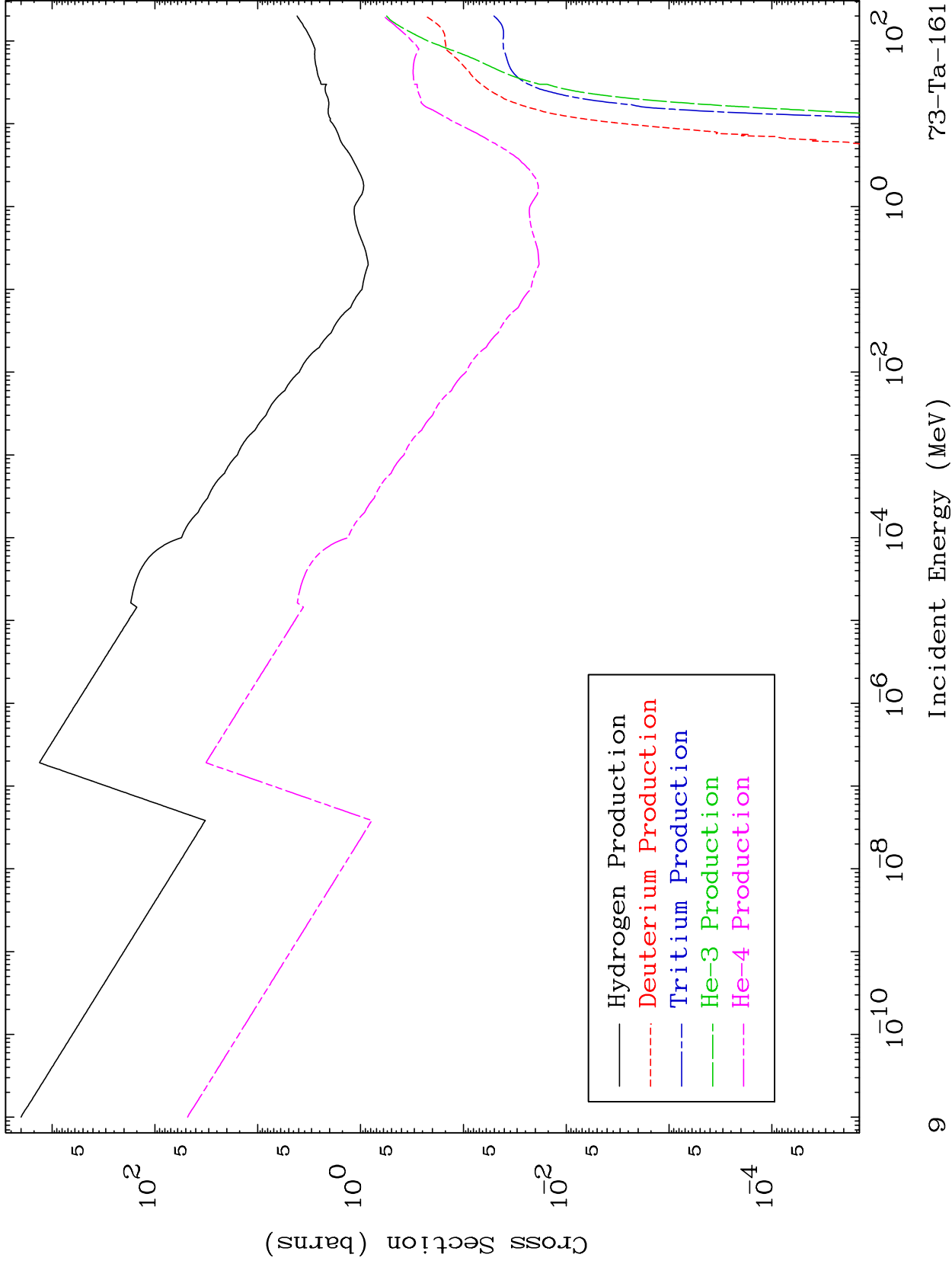


MAT 7268

Charged Particle
293 Kelvin Cross Sections

73-Ta-161



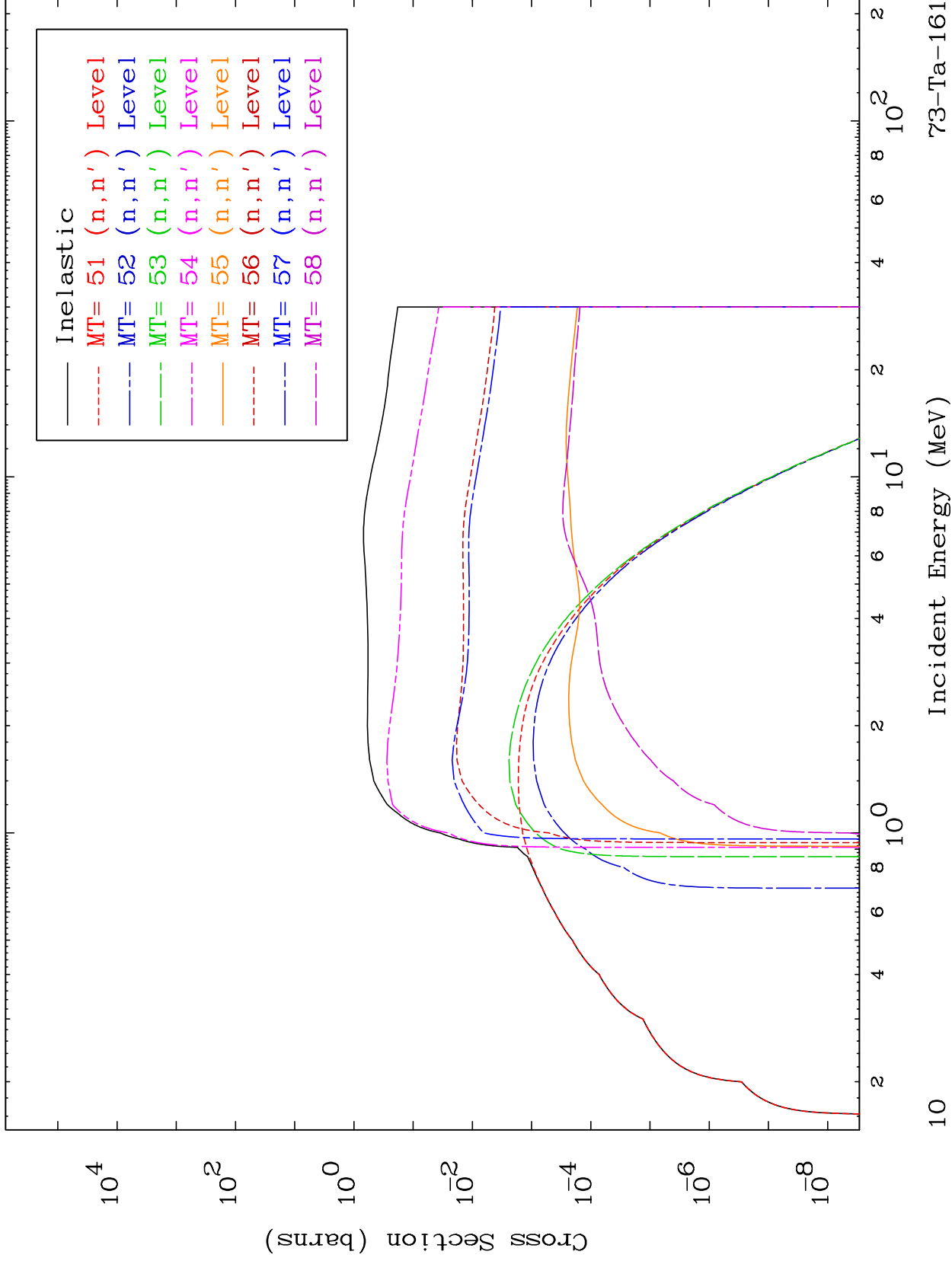


MAT 7268

(n,n') Levels

73-Ta-161

293 Kelvin Cross Sections

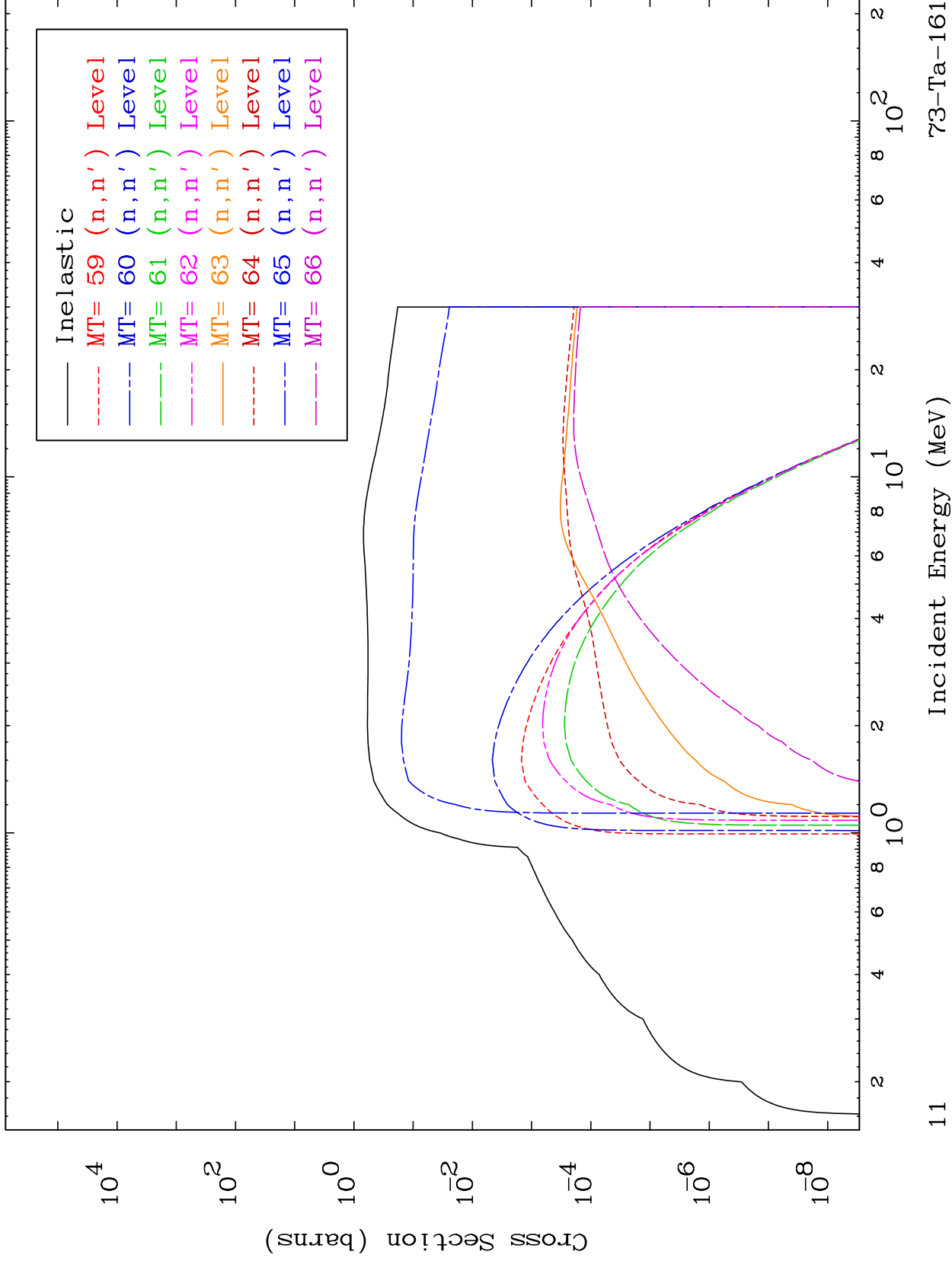


10

Incident Energy (MeV)

73-Ta-161

293 Kelvin Cross Sections

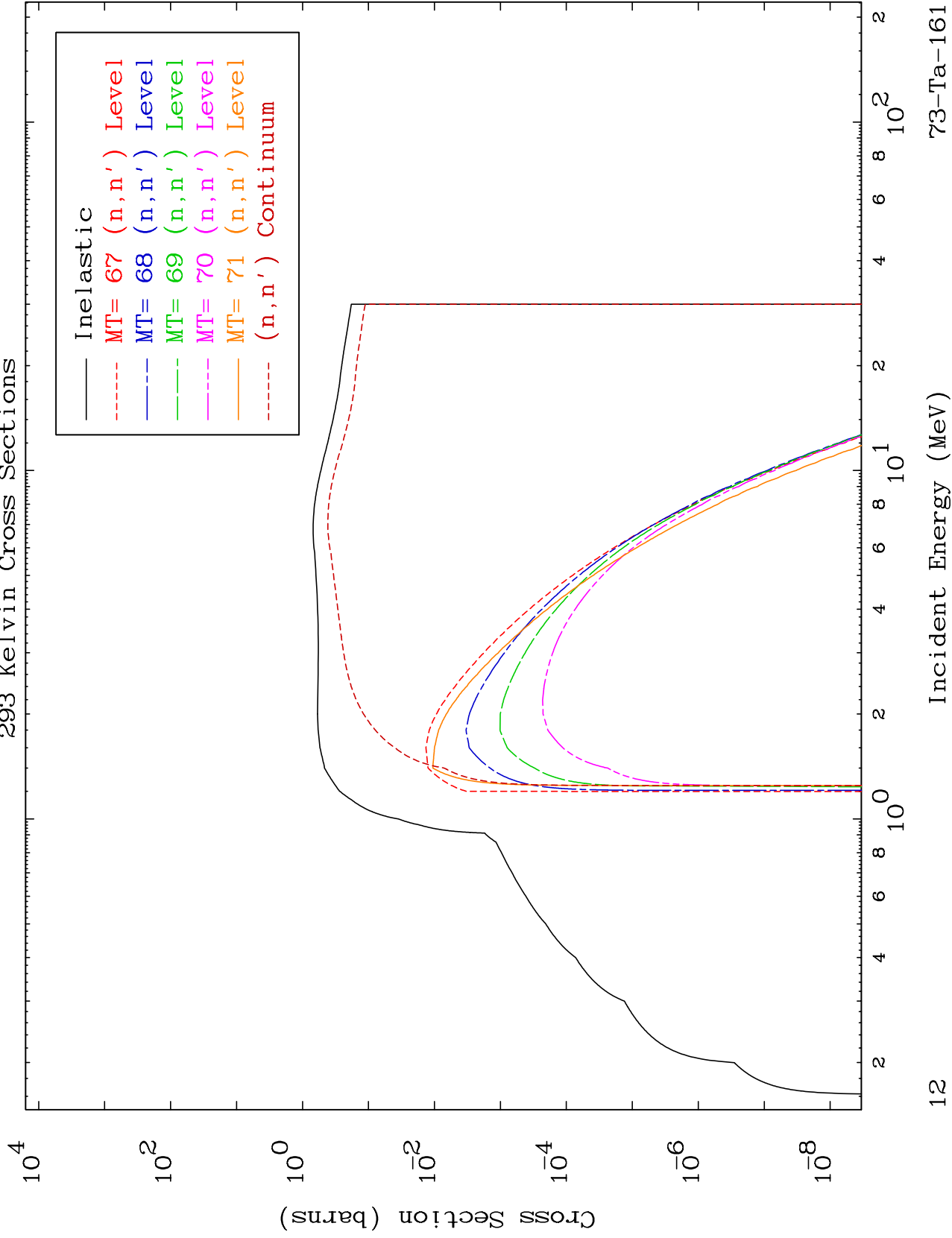


MAT 7268

(n,n') Levels

73-Ta-161

293 Kelvin Cross Sections



12

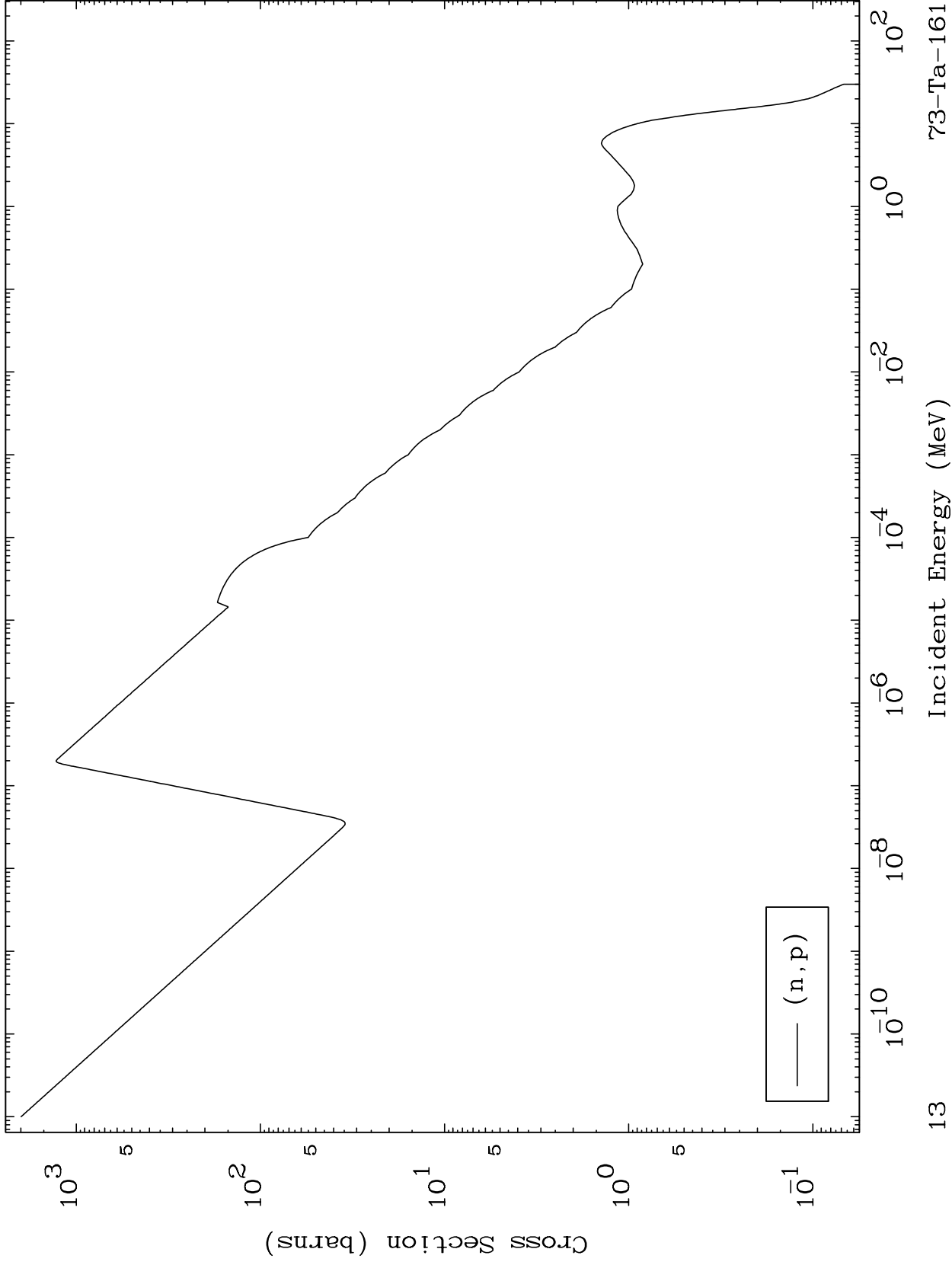
Incident Energy (MeV)

73-Ta-161

MAT 7268

(n,p) Levels
293 Kelvin Cross Sections

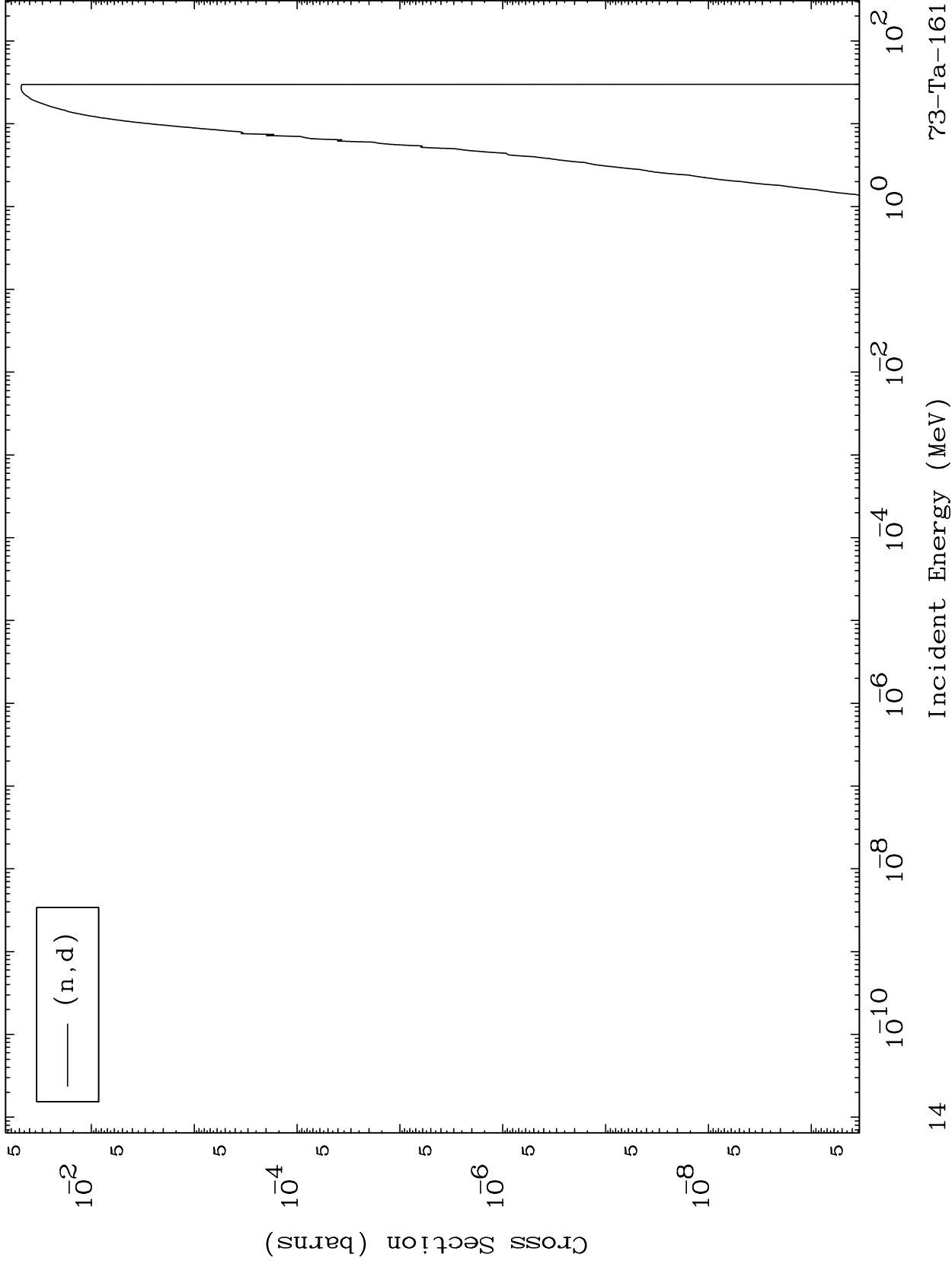
73-Ta-161



MAT 7268

(n,d) Levels
293 Kelvin Cross Sections

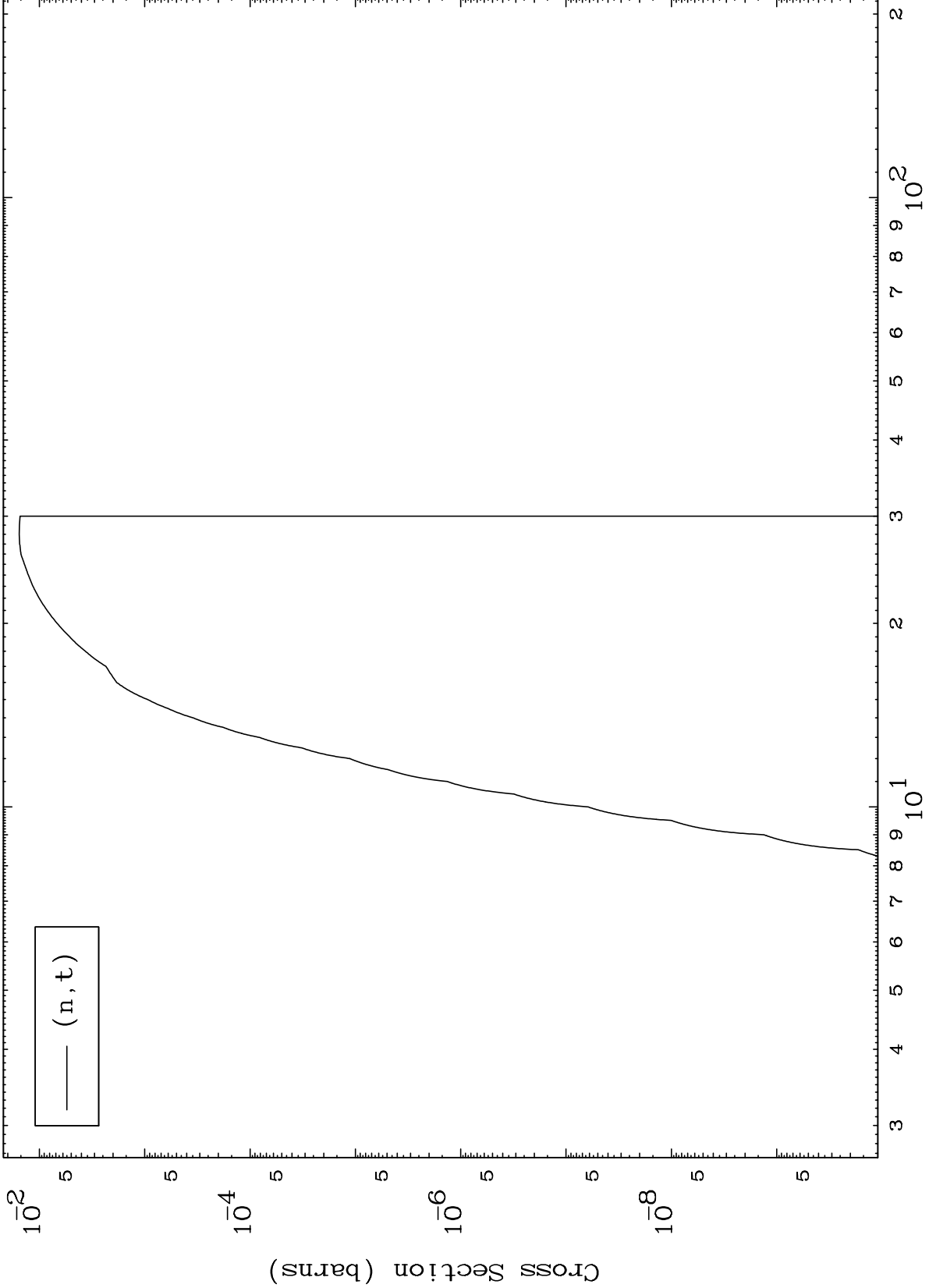
73-Ta-161



MAT 7268

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-161



15

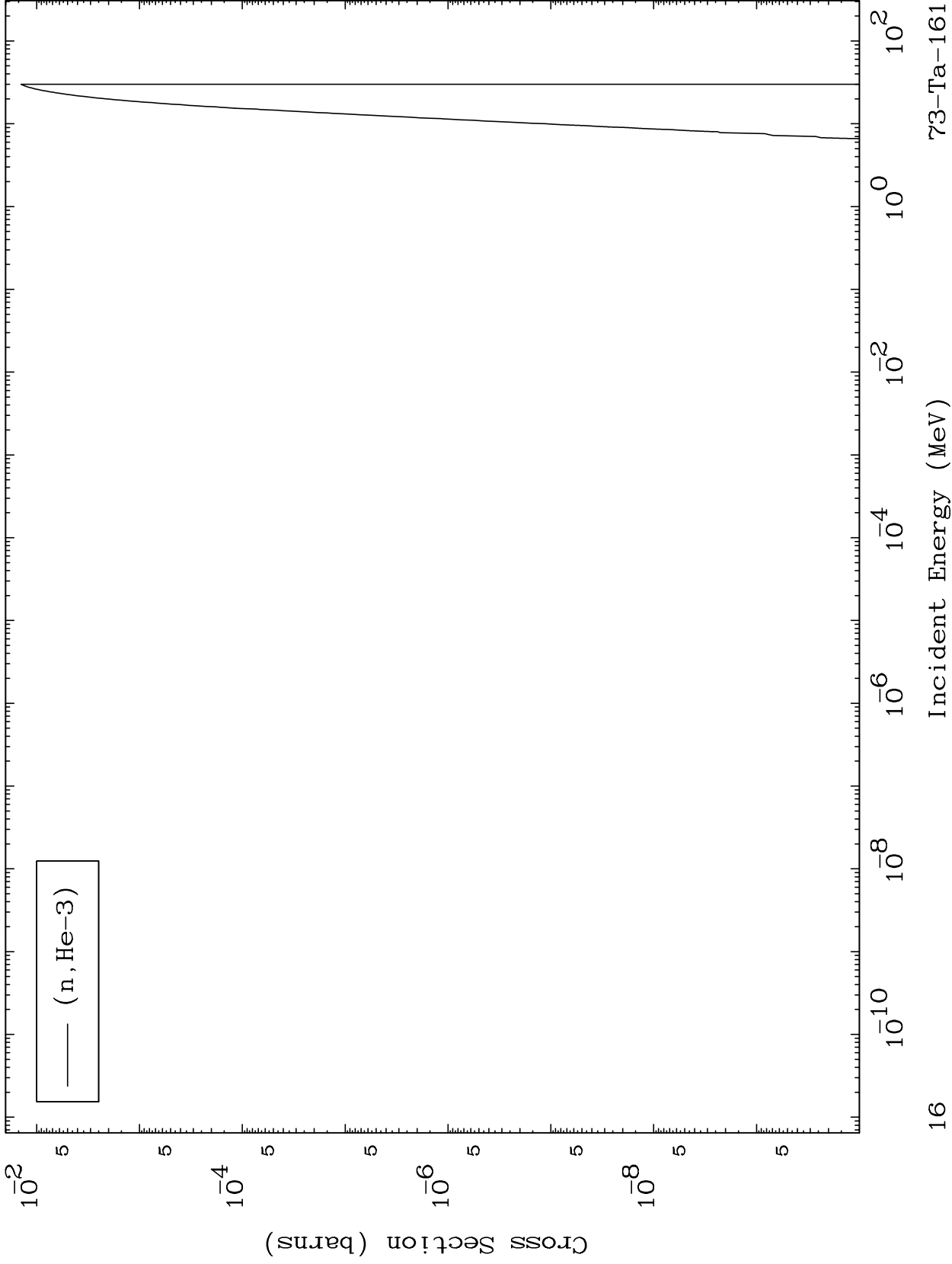
Incident Energy (MeV)

73-Ta-161

MAT 7268

(n,He3) Levels
293 Kelvin Cross Sections

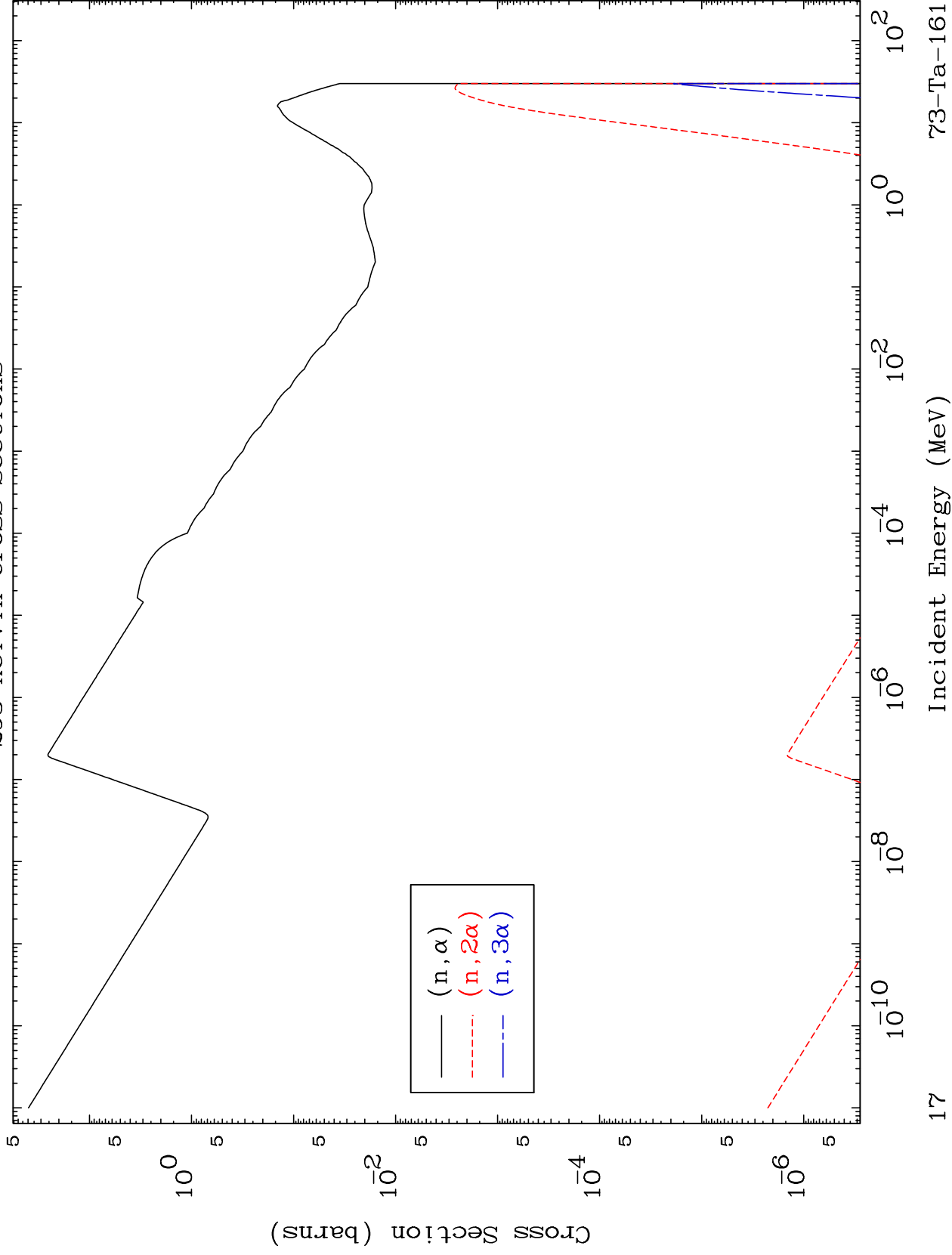
73-Ta-161



MAT 7268

(n, α) Levels
293 Kelvin Cross Sections

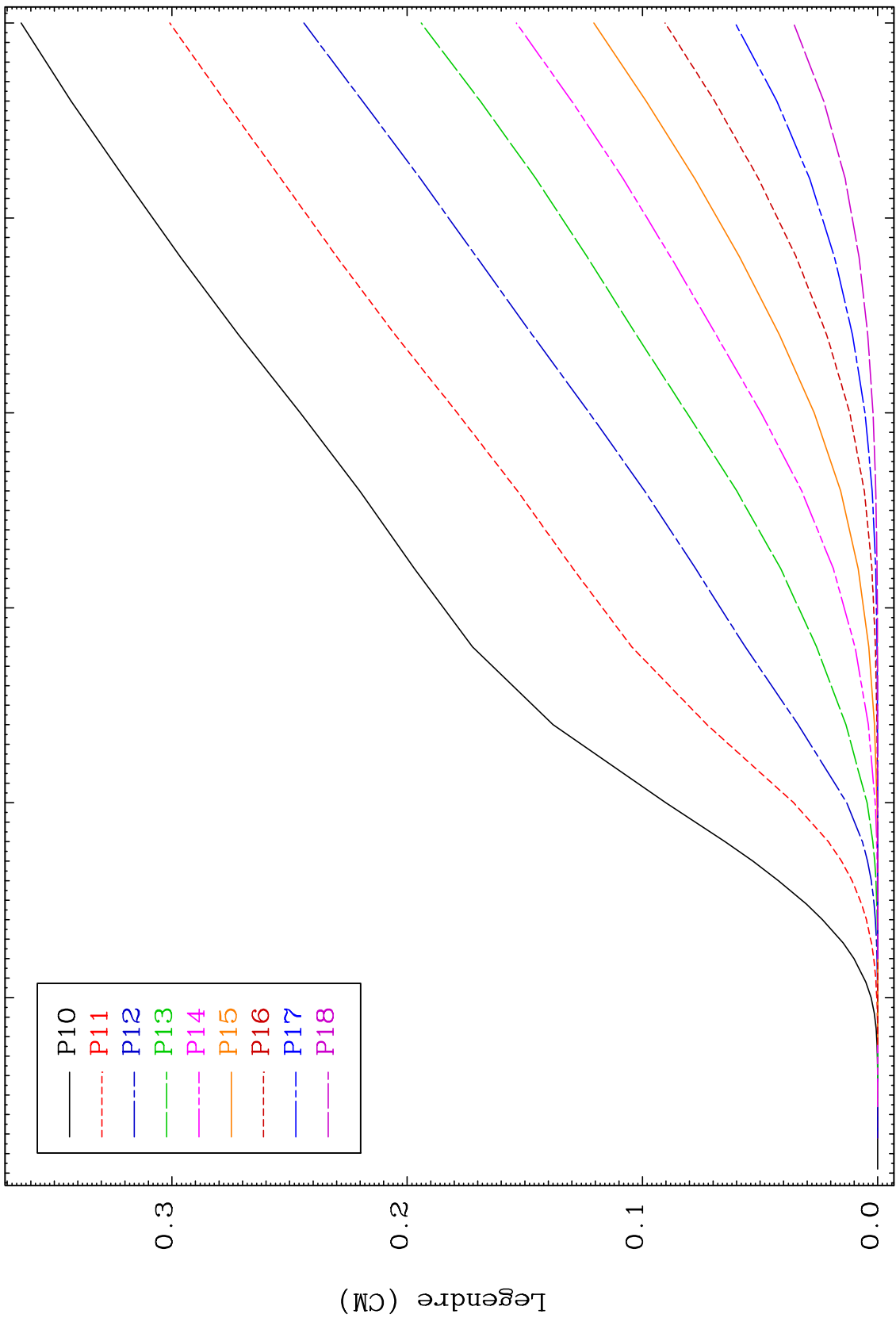
73-Ta-161



MAT 7268

Elastic Legendre Coefficients

⁷³Ta-161



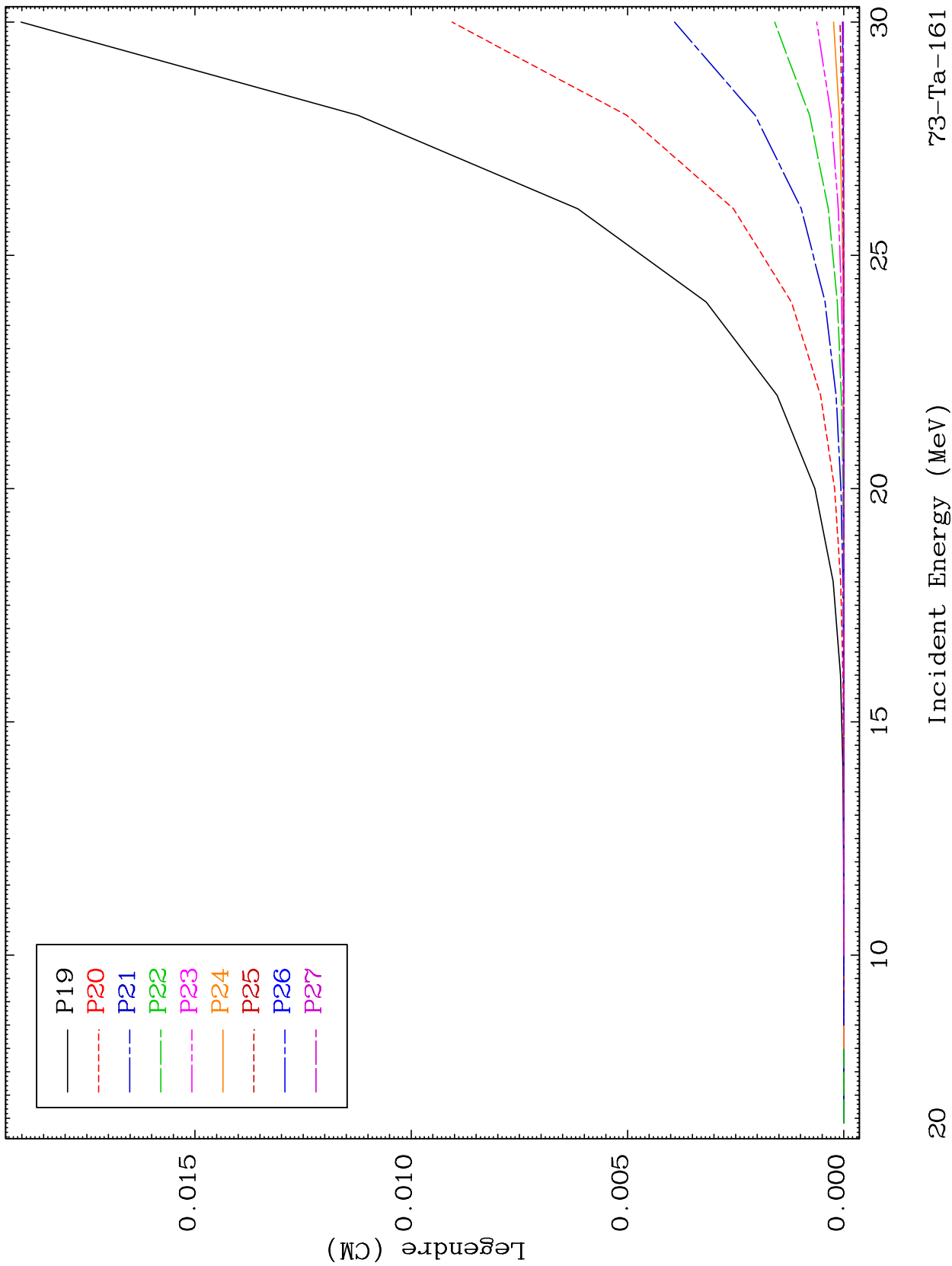
19

⁷³Ta-161

MAT 7268

Elastic Legendre Coefficients

73-Ta-161



20

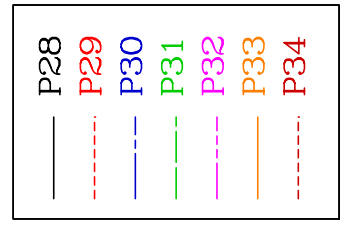
Incident Energy (MeV)

73-Ta-161

MAT 7268

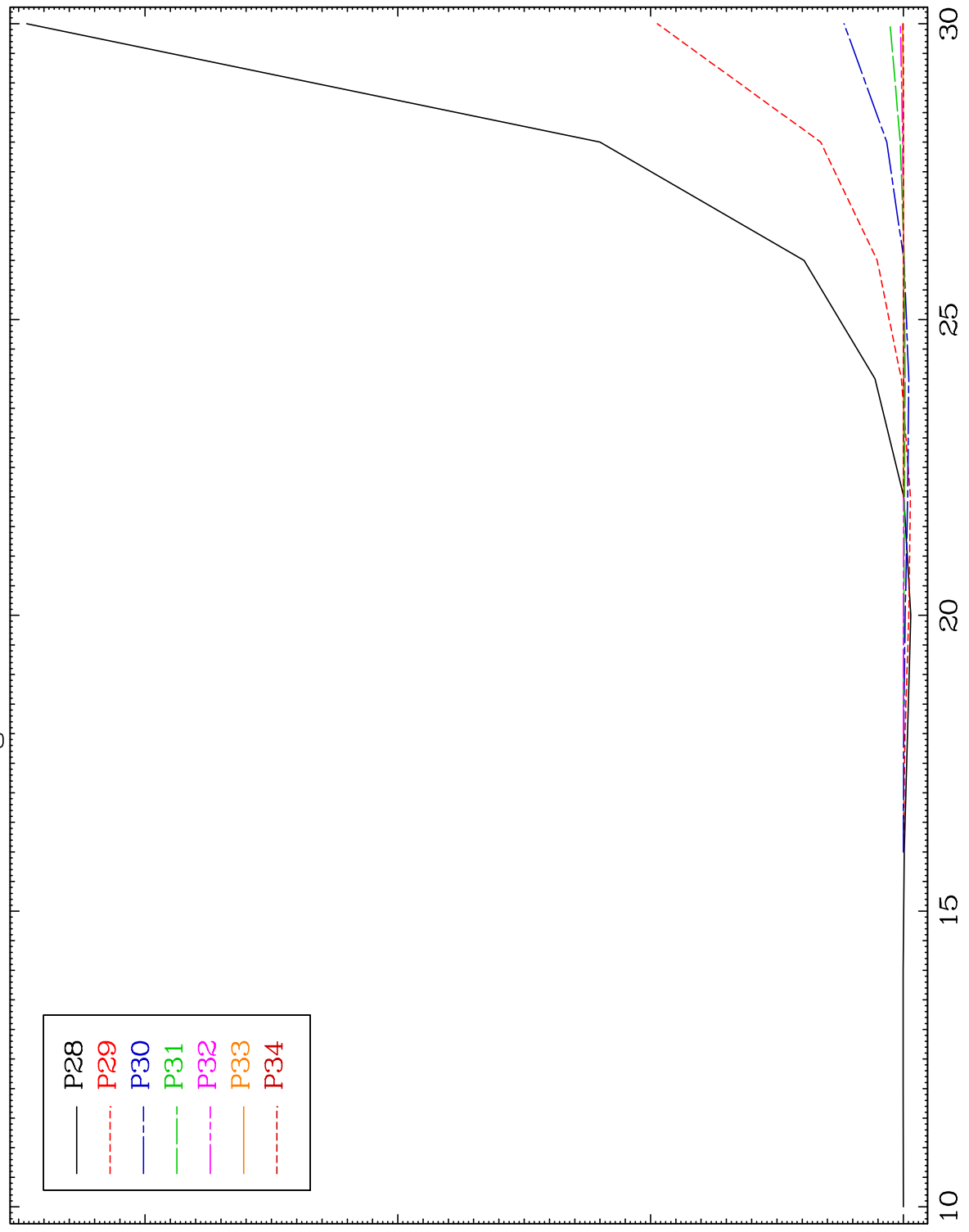
Elastic Legendre Coefficients

⁷³Ta-161



$\times 10^{-6}$

Legendre (CM)



10

15

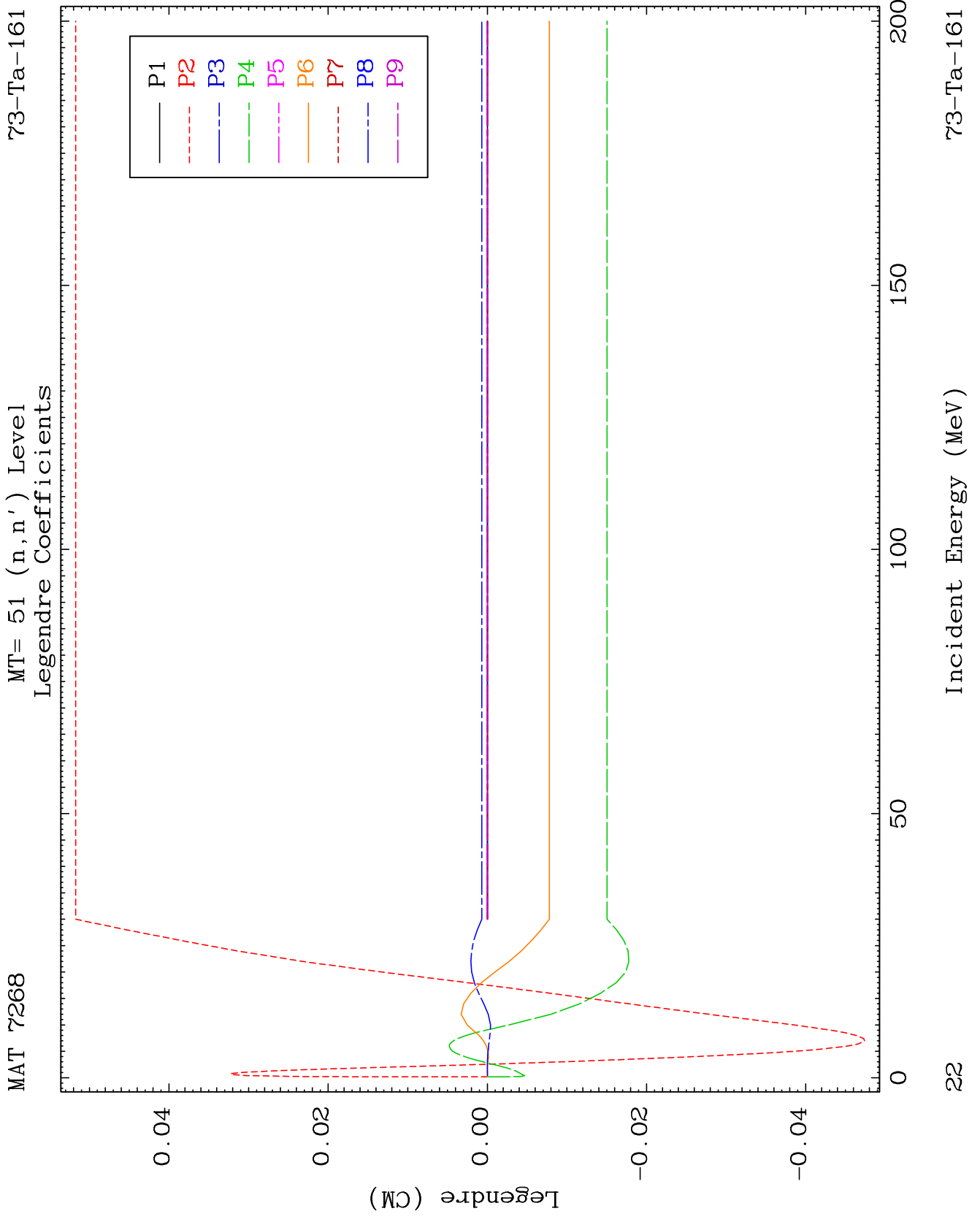
20

25

30

Incident Energy (MeV)

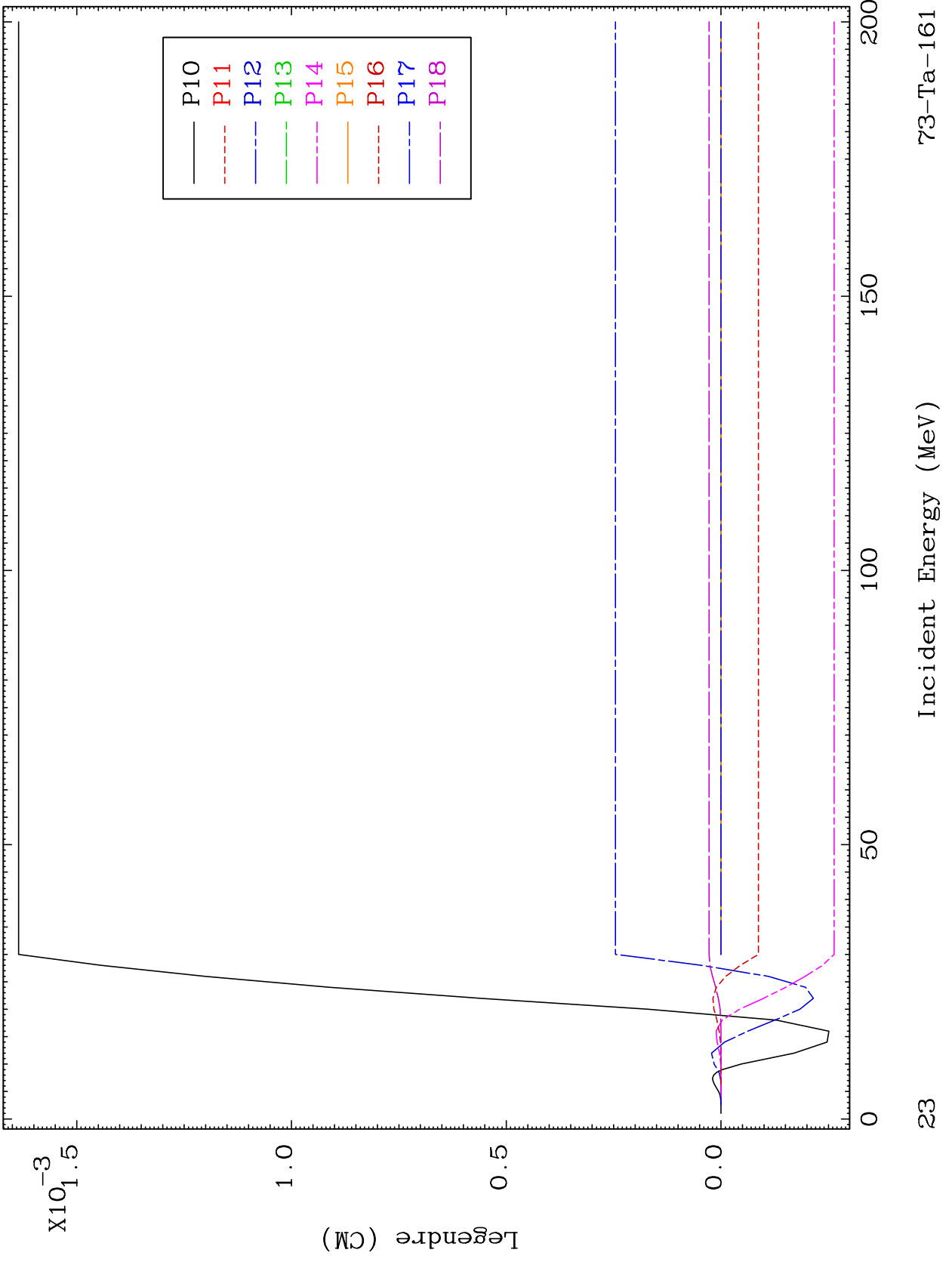
⁷³Ta-161



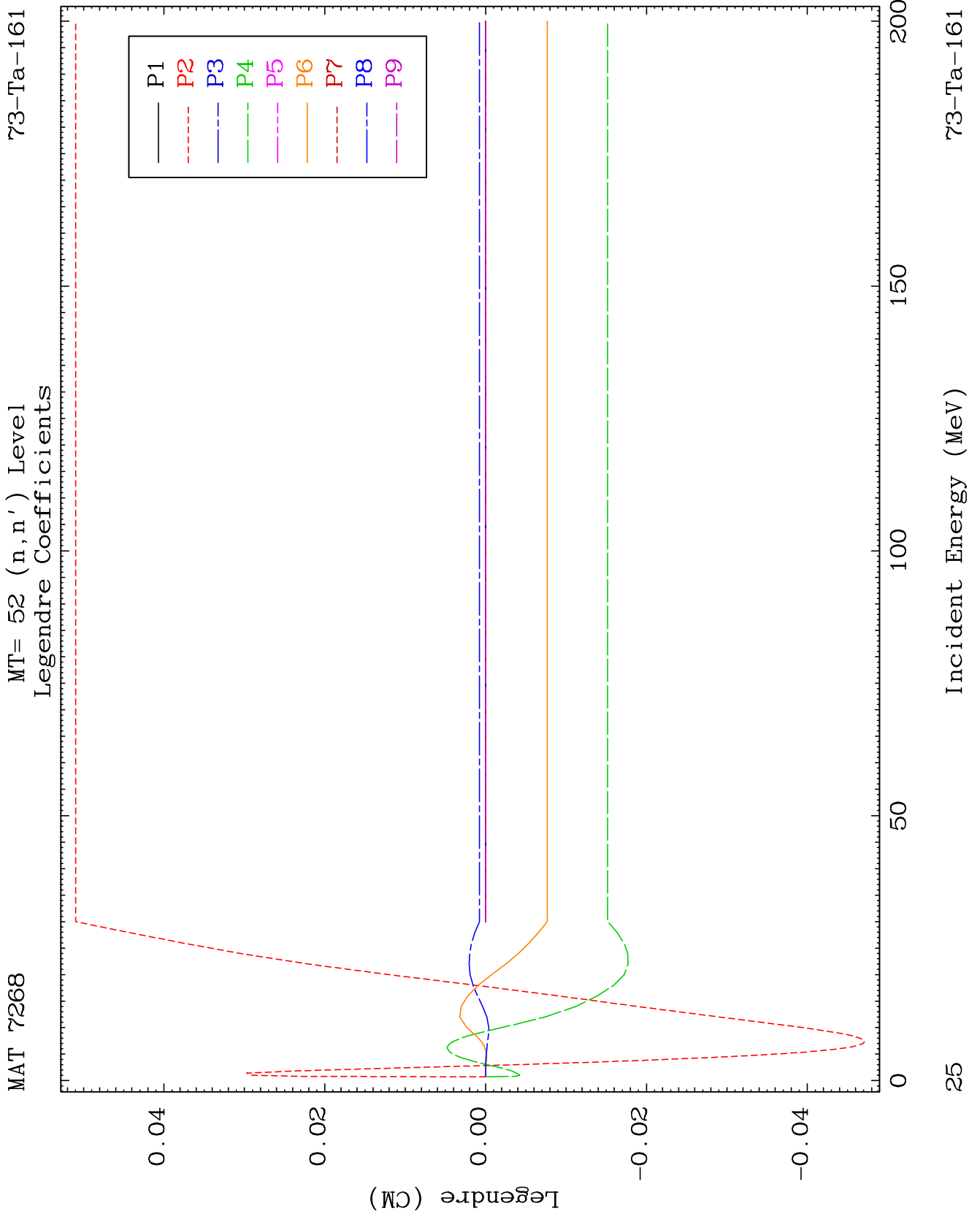
MAT 7268

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

73-Ta-161



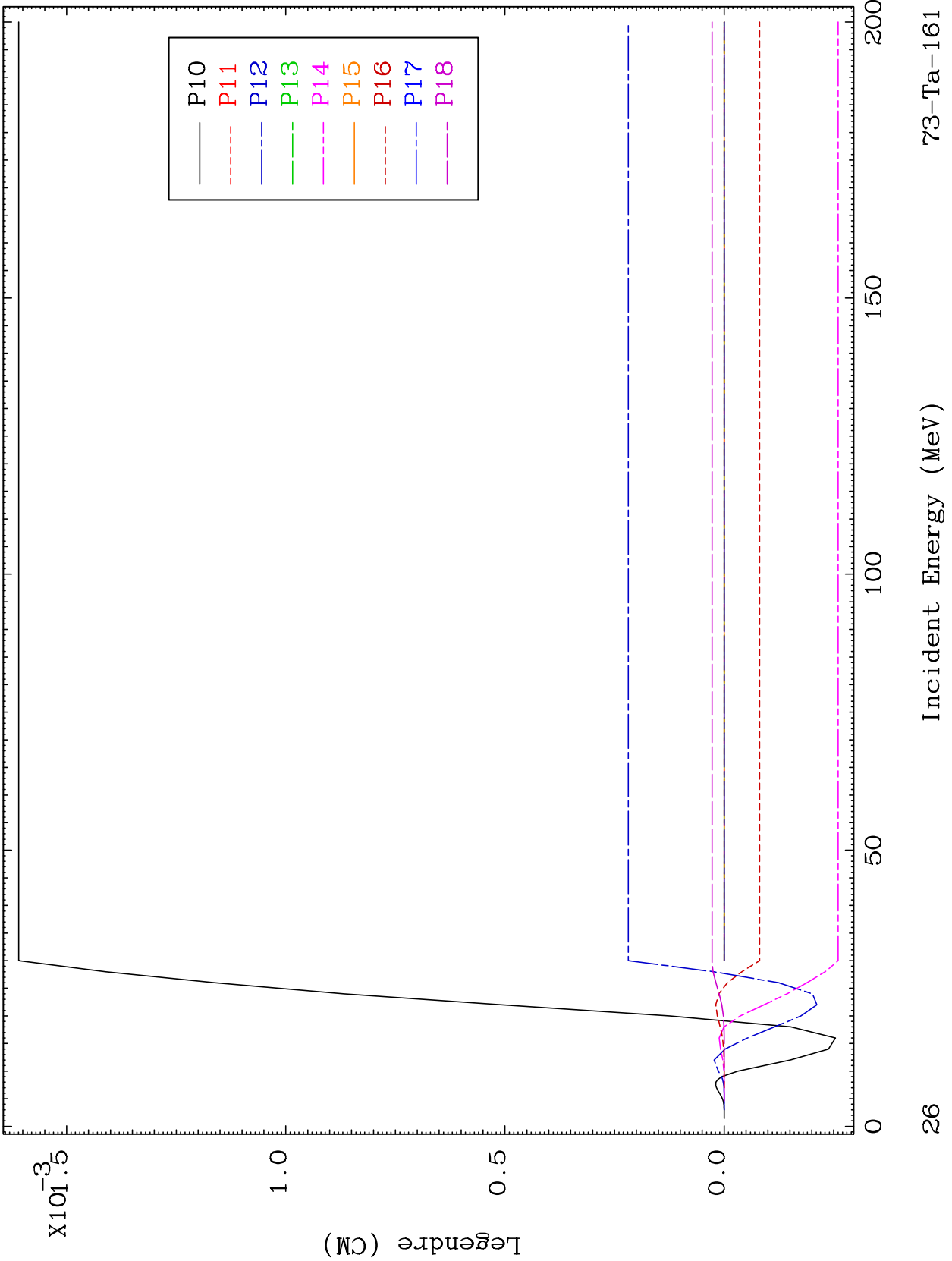
23



MAT 7268

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

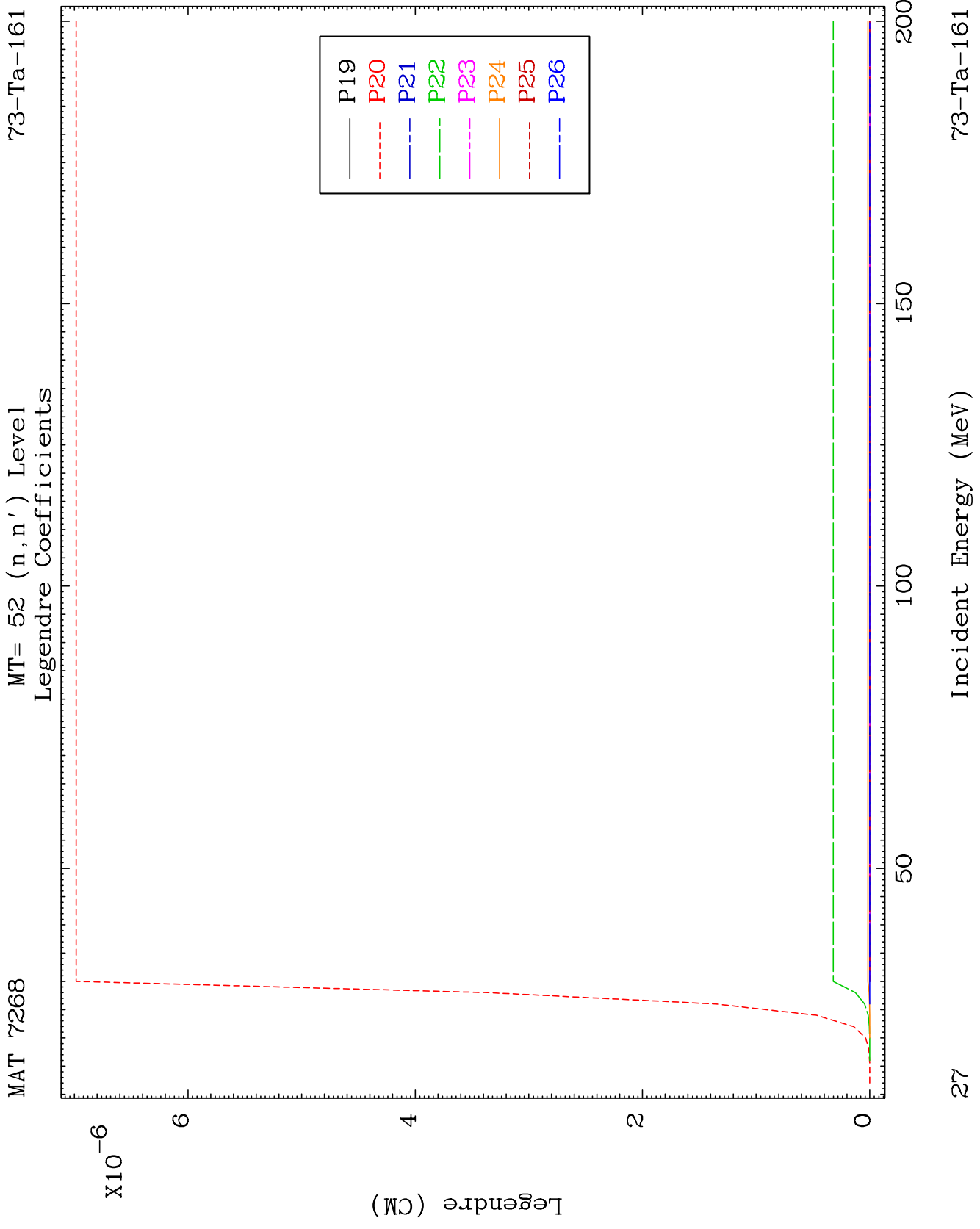
73-Ta-161

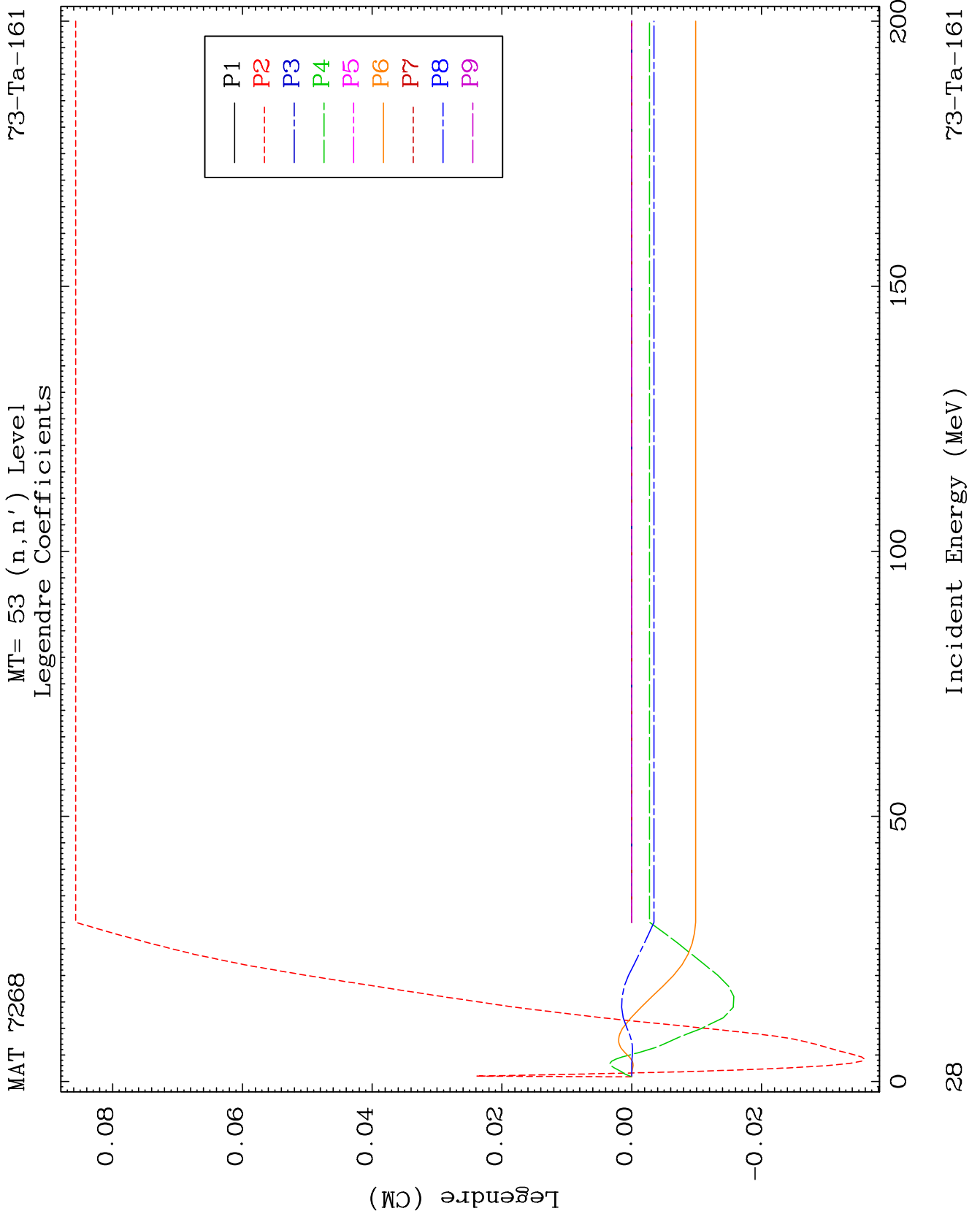


26

Incident Energy (MeV)

73-Ta-161

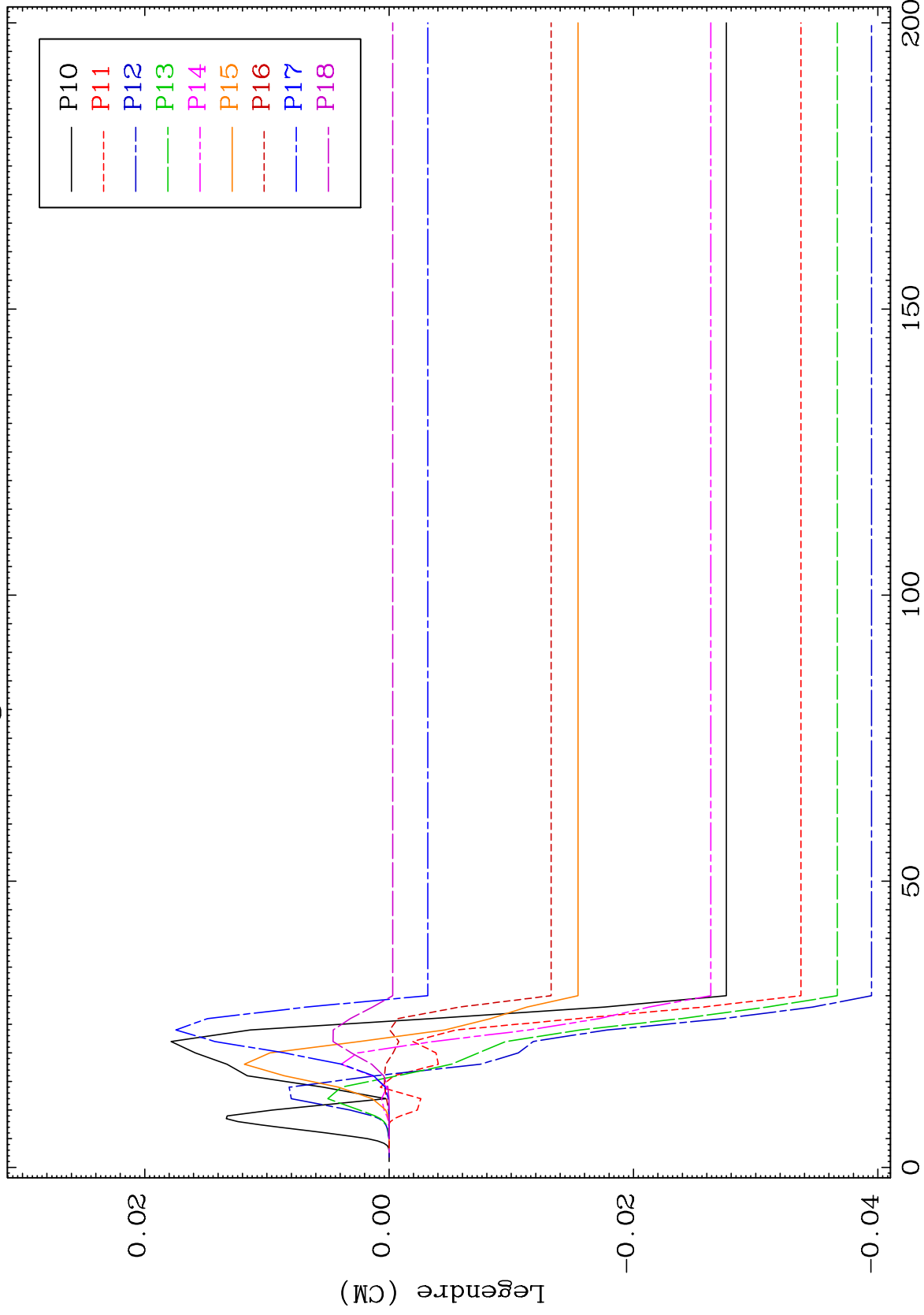




MAT 7268

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

73-Ta-161



32

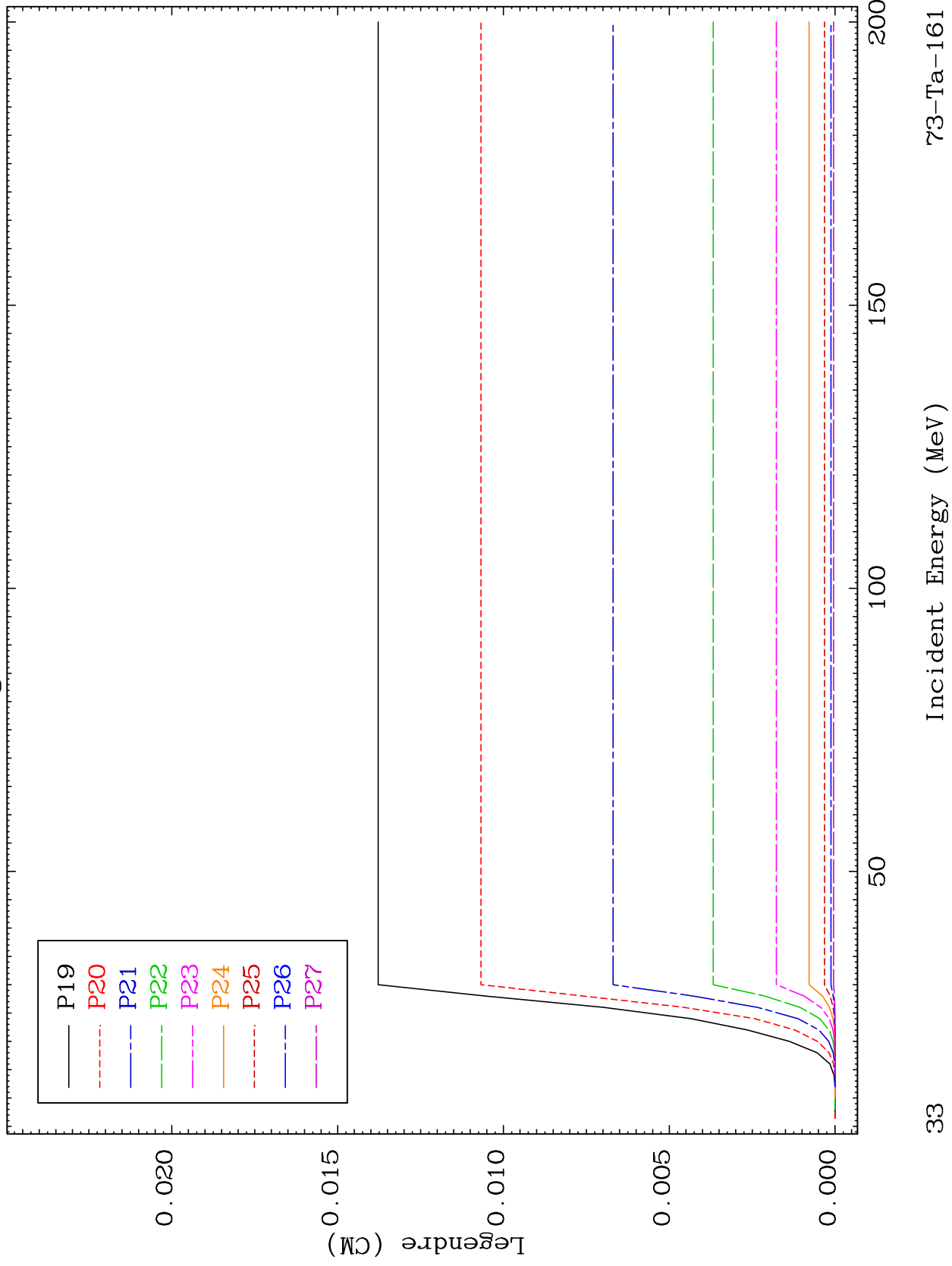
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



33

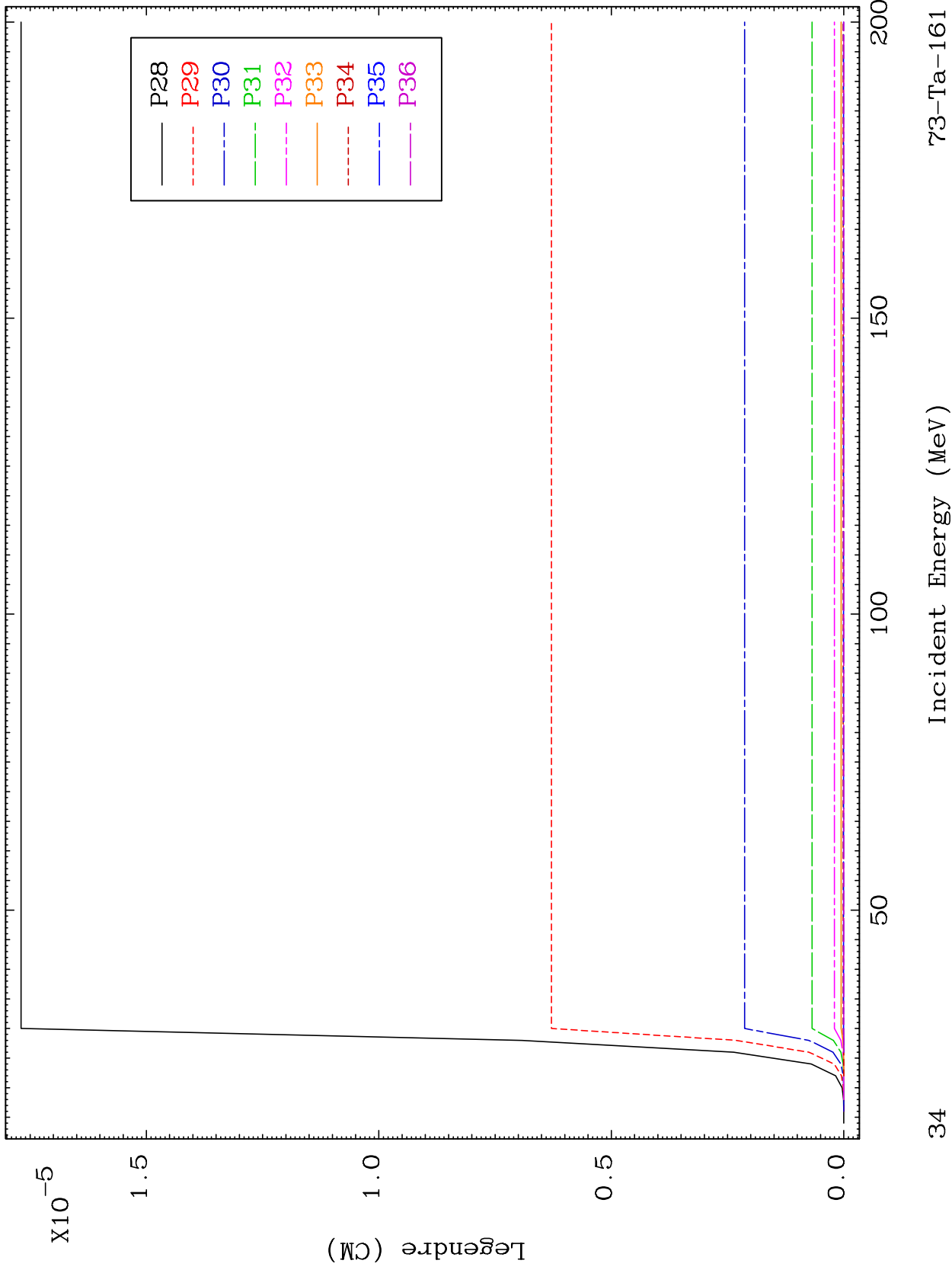
Incident Energy (MeV)

73-Ta-161

MAT 7268

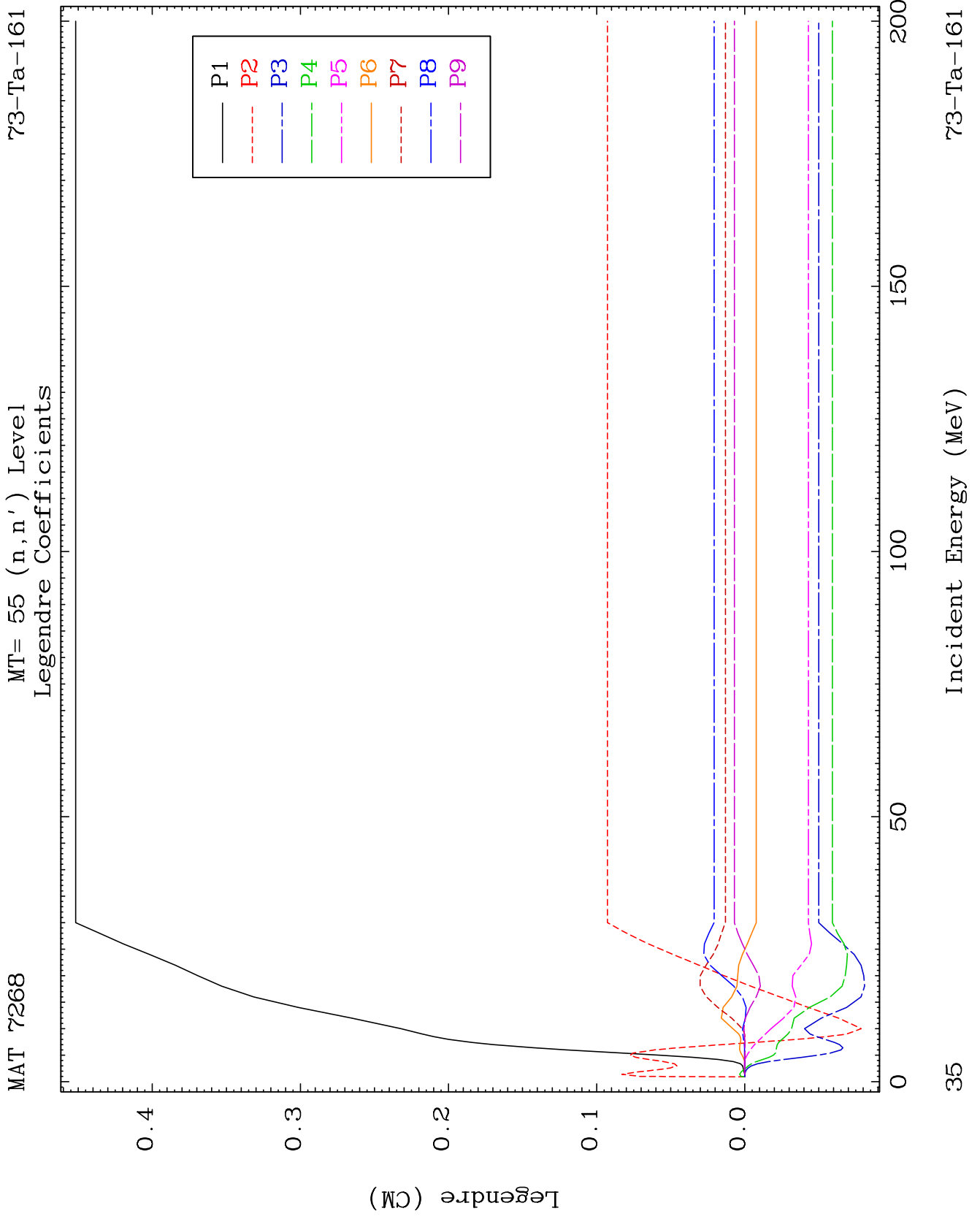
MT= 54 (n,n') Level
Legendre Coefficients

73-Ta-161



34

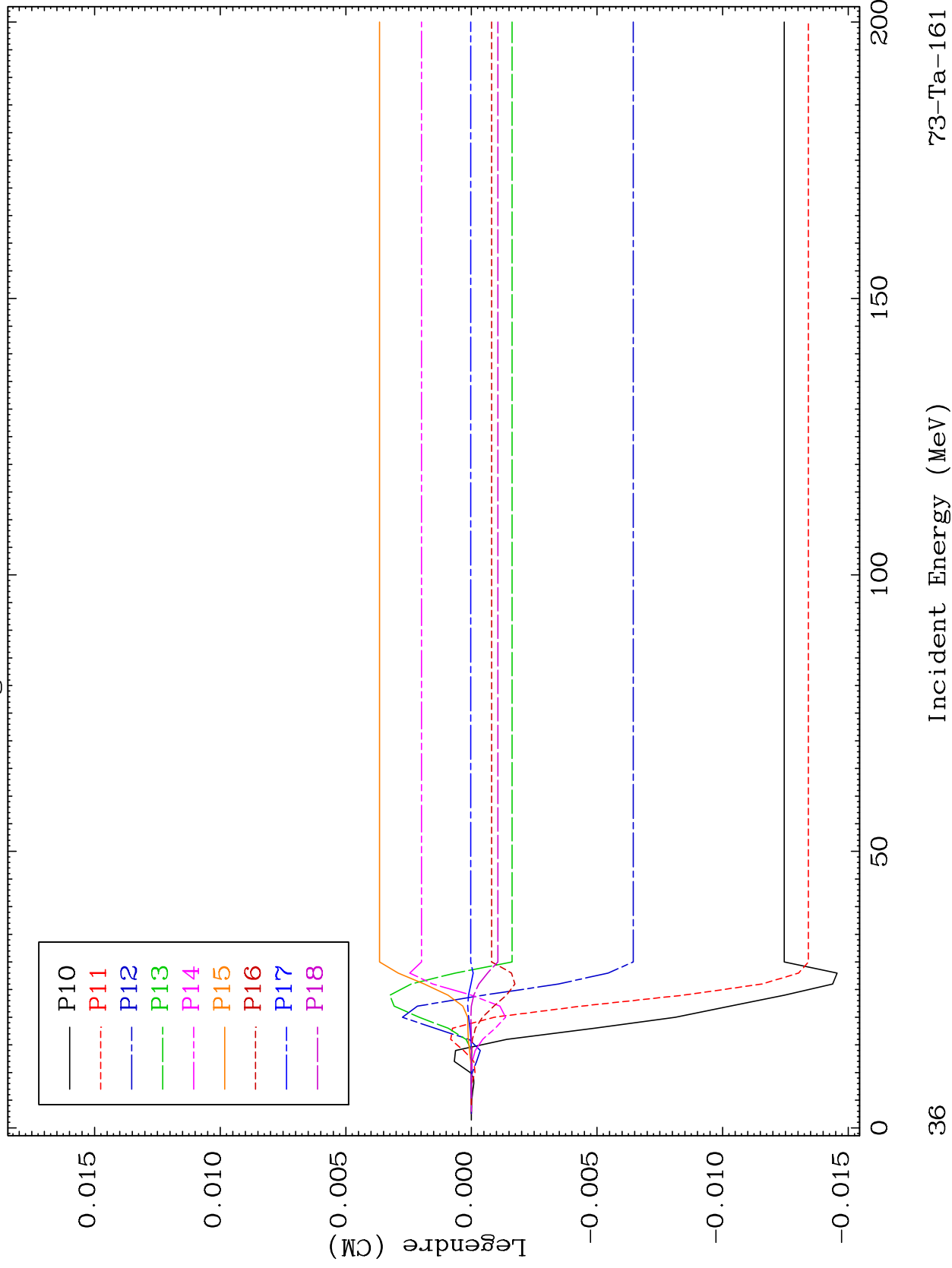
73-Ta-161



MAT 7268

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

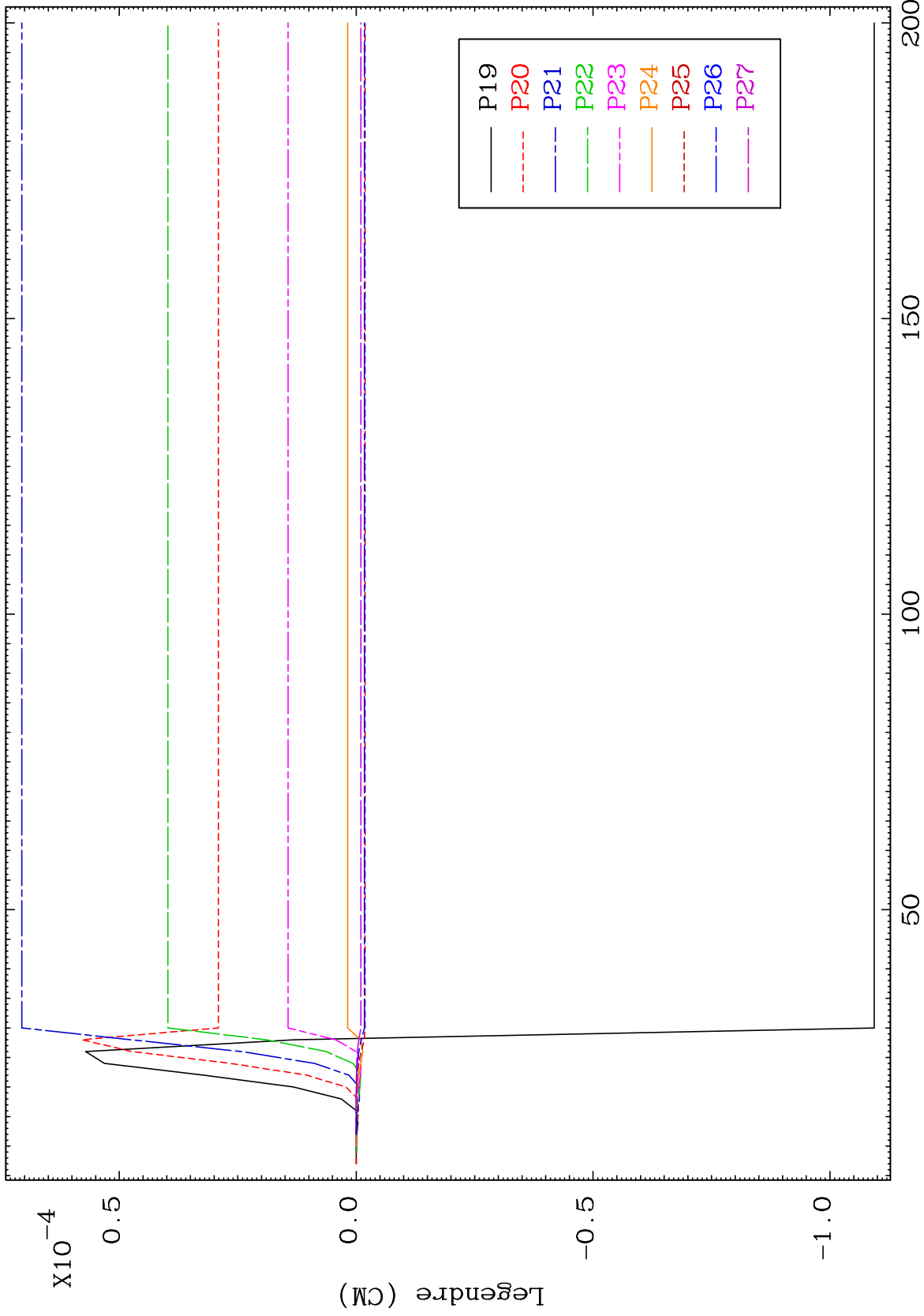
73-Ta-161



36

Incident Energy (MeV)

73-Ta-161

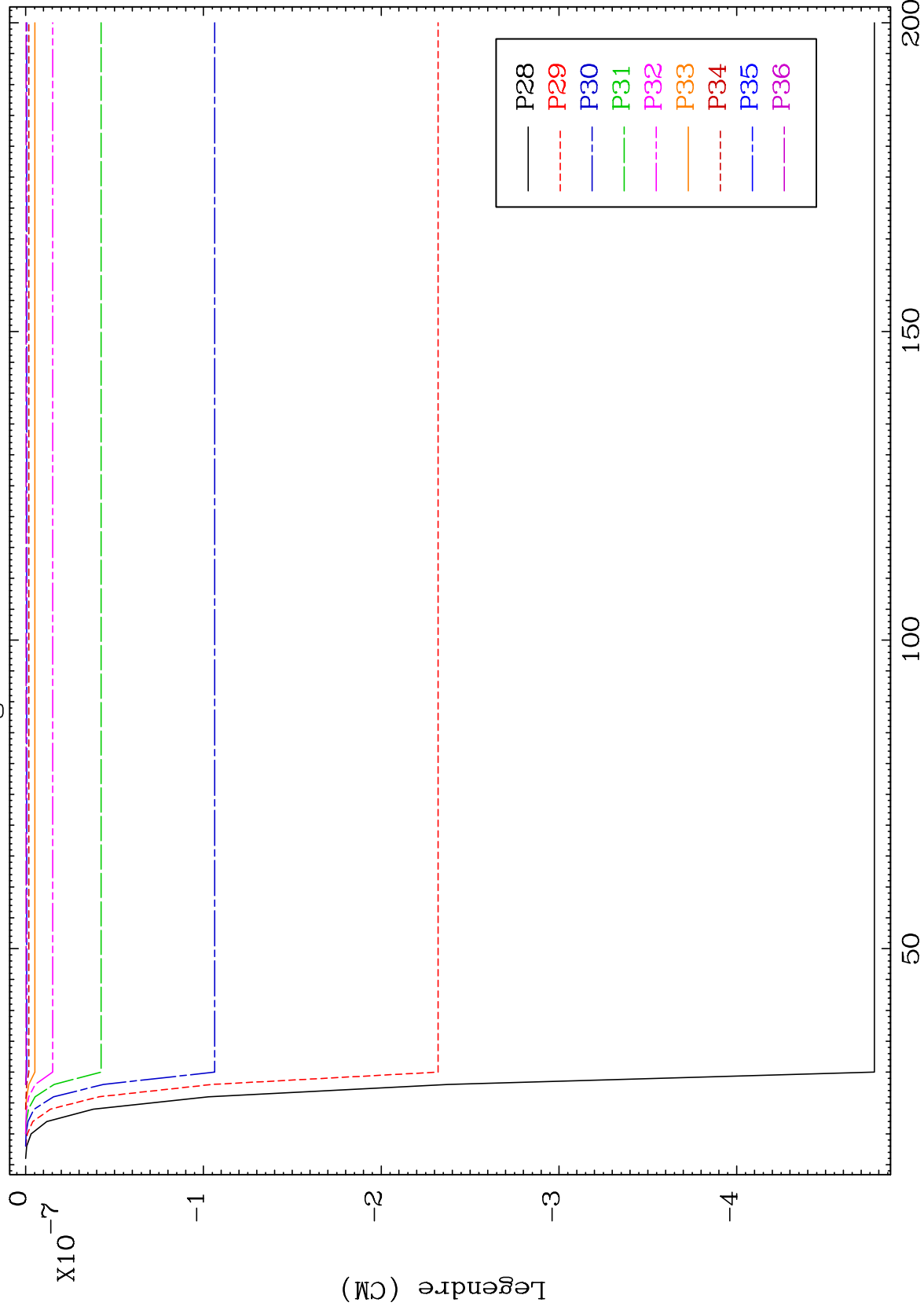


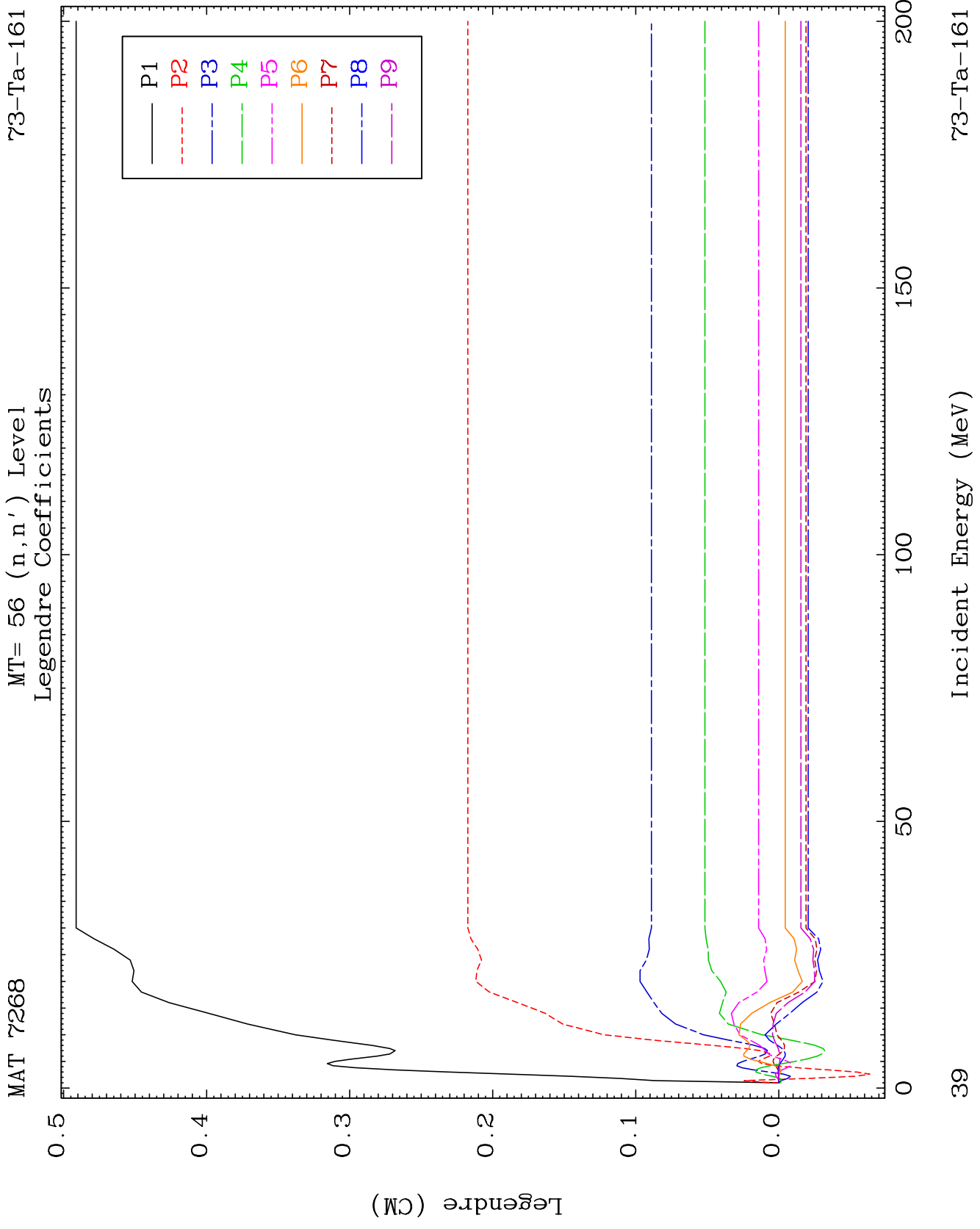
MAT 7268

MT= 55 (n,n') Level

73-Ta-161

Legendre Coefficients

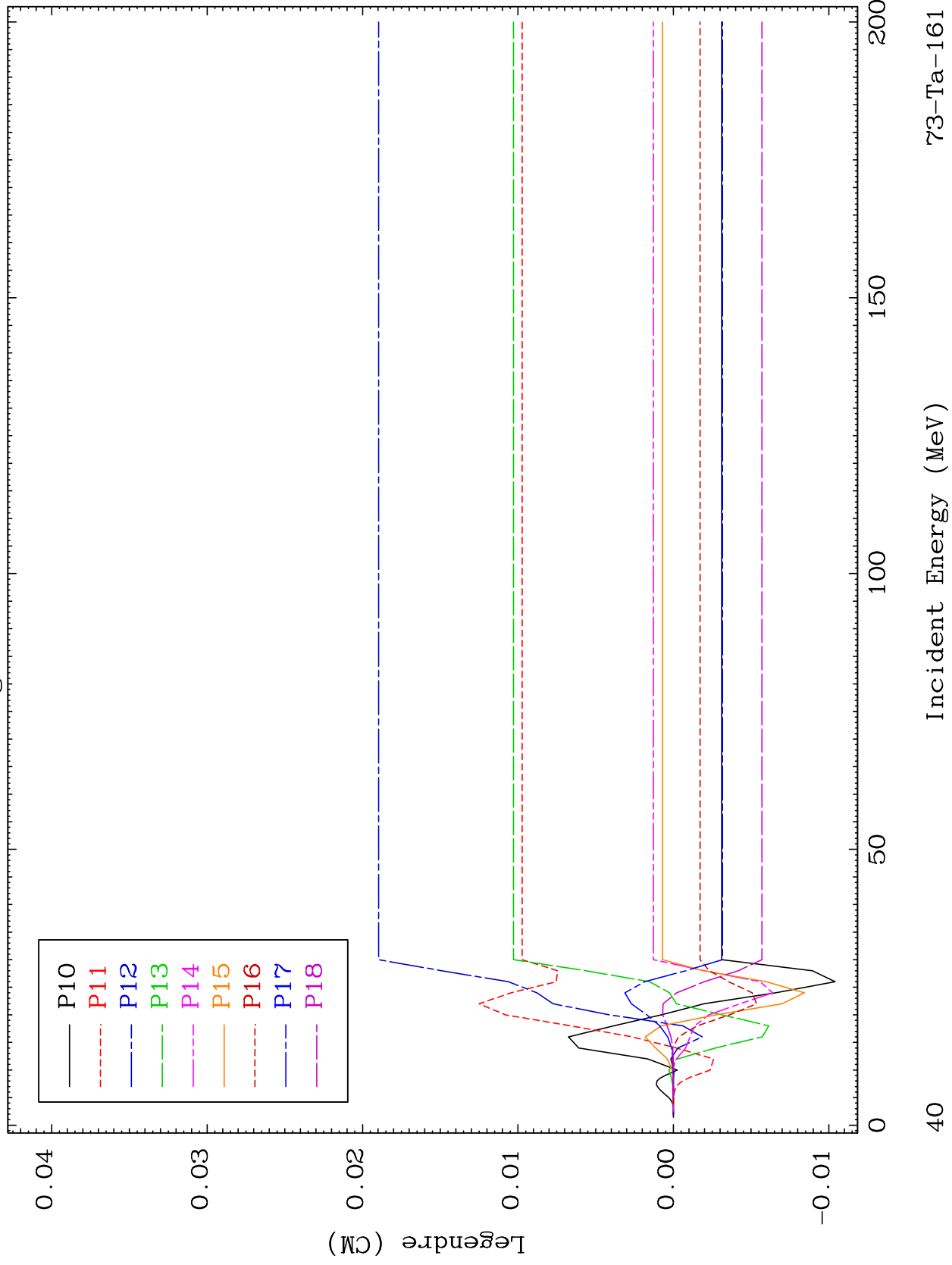




MAT 7268

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

73-Ta-161



73-Ta-161

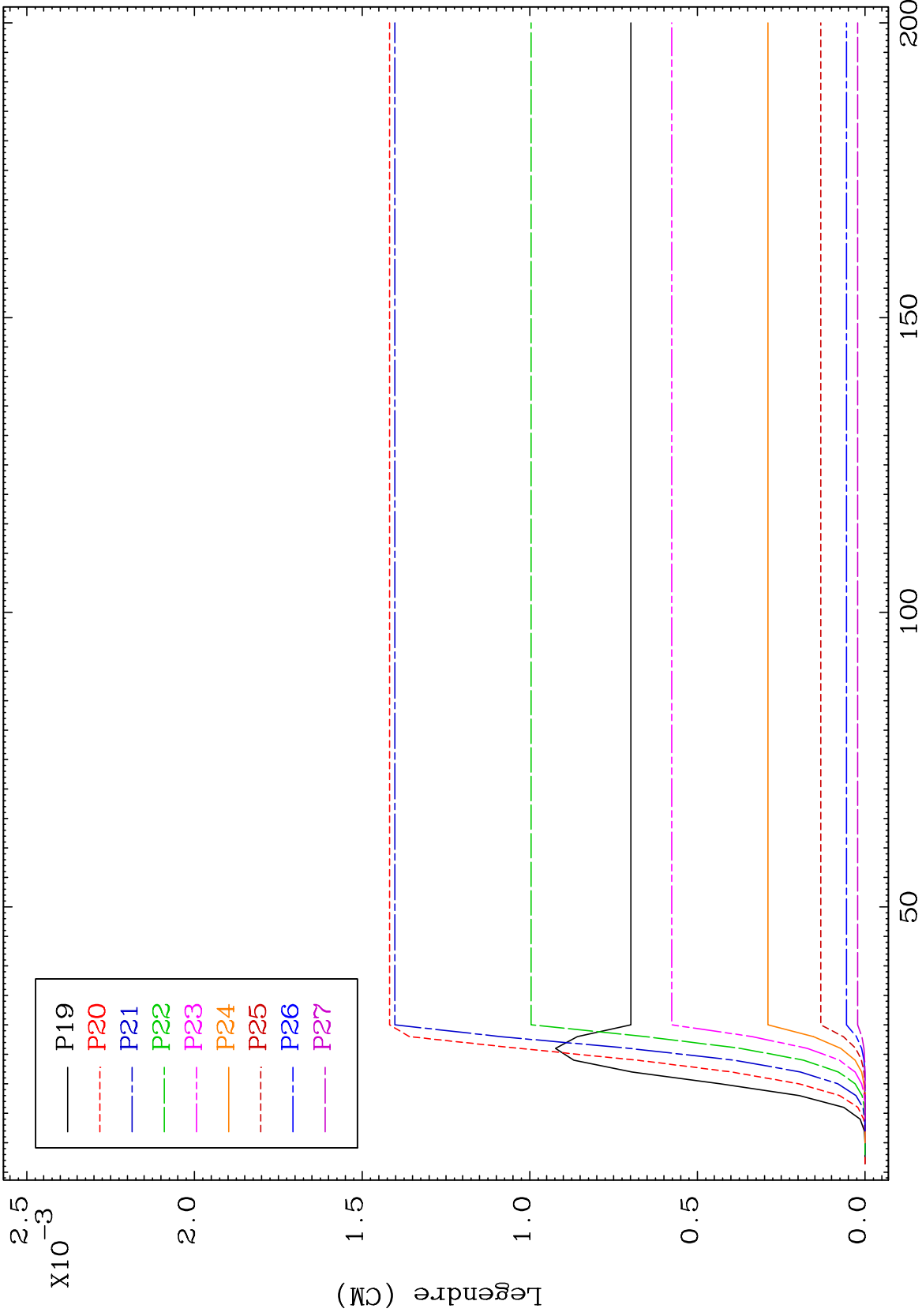
Incident Energy (MeV)

40

MAT 7268

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

73-Ta-161



41

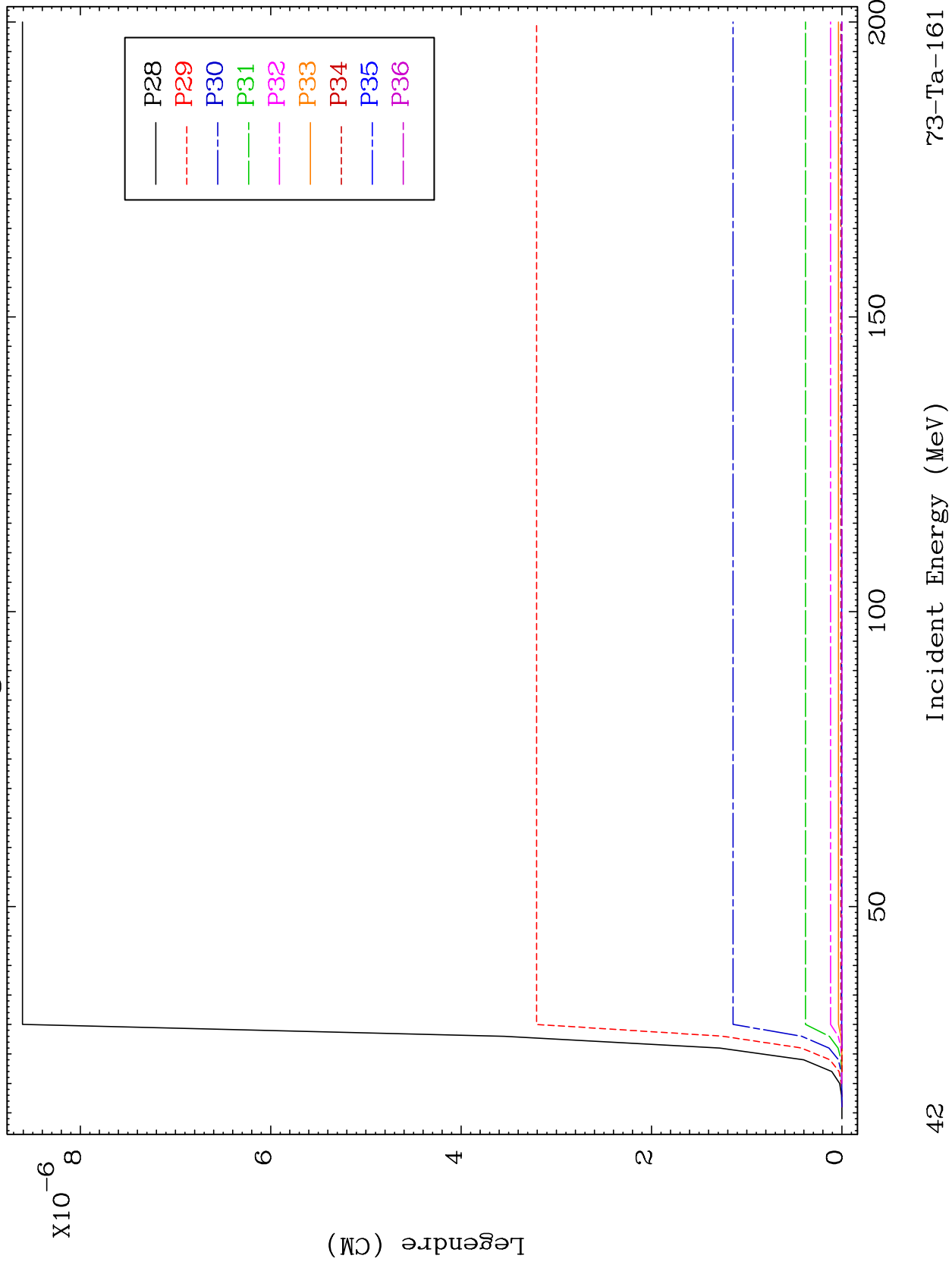
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

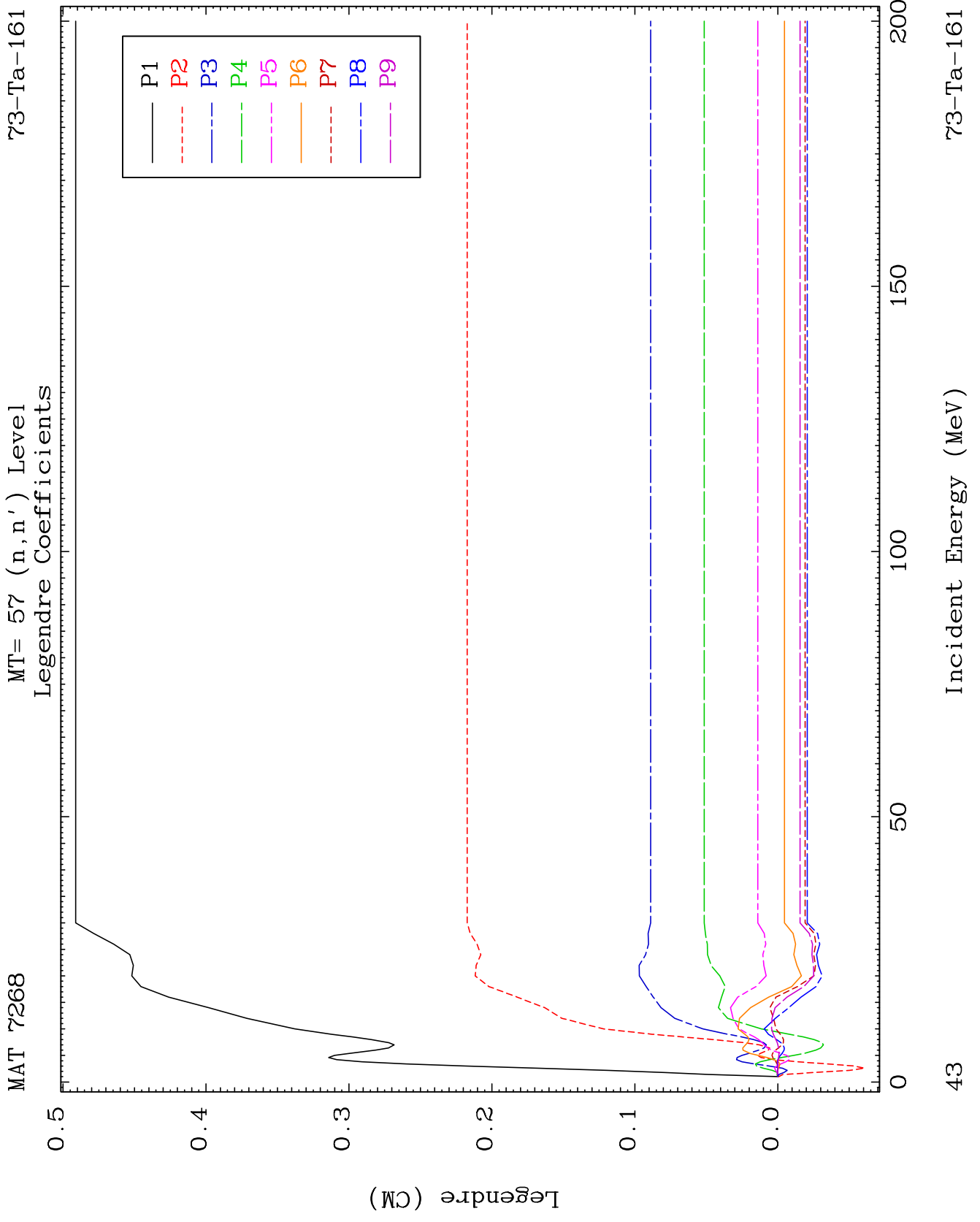
73-Ta-161



42

Incident Energy (MeV)

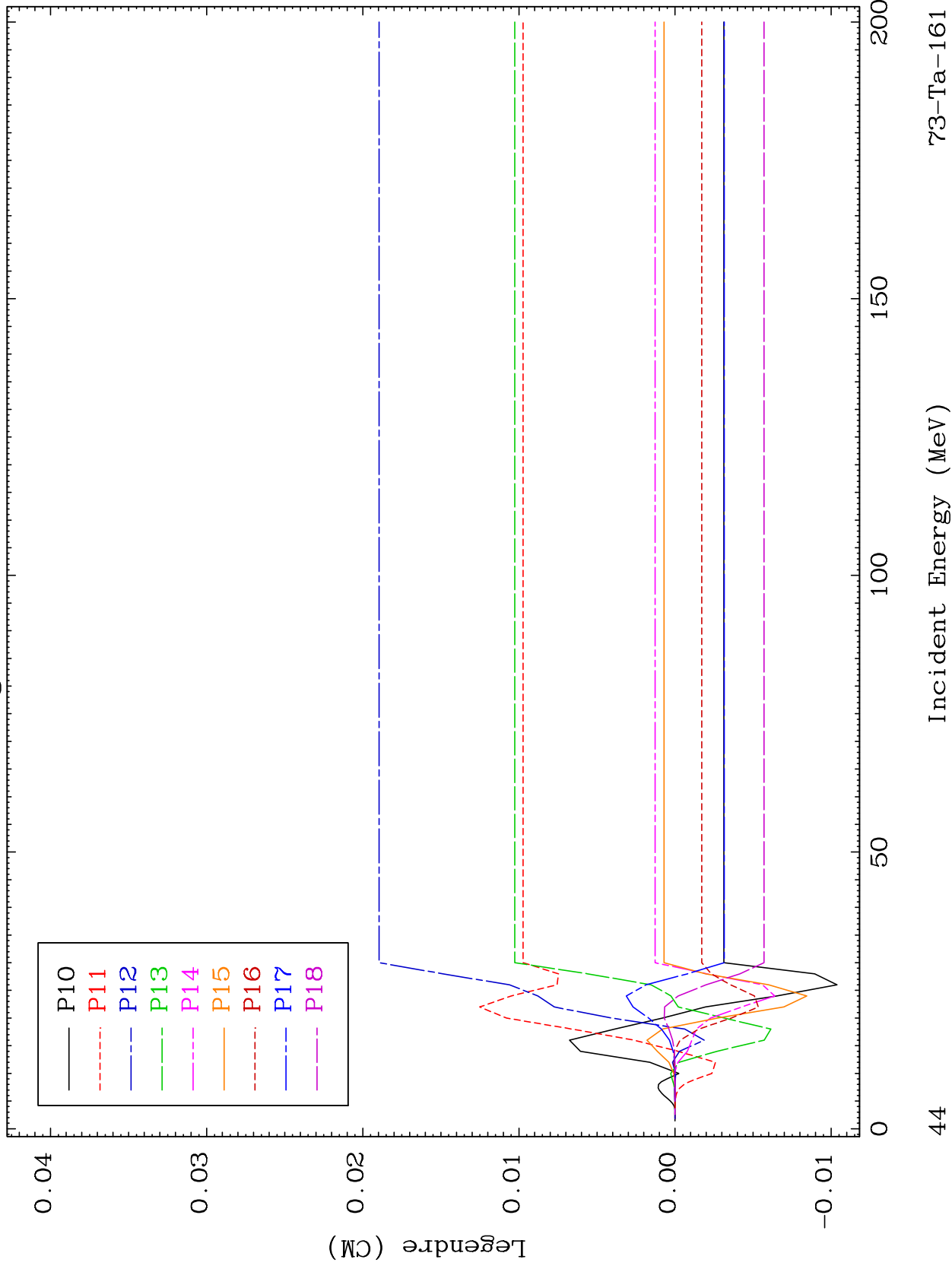
73-Ta-161



MAT 7268

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

73-Ta-161



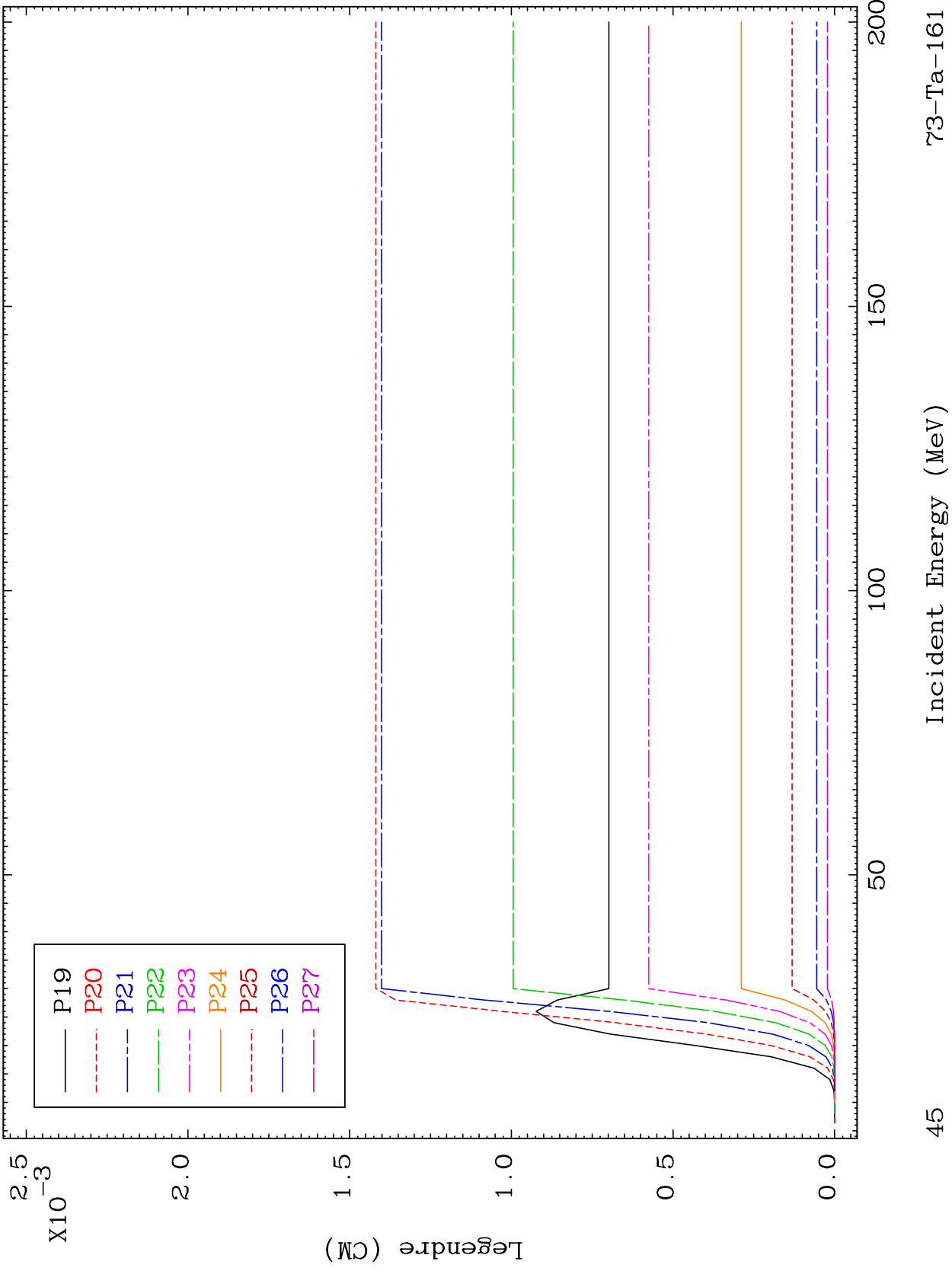
44

73-Ta-161

MAT 7268

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

73-Ta-161



45

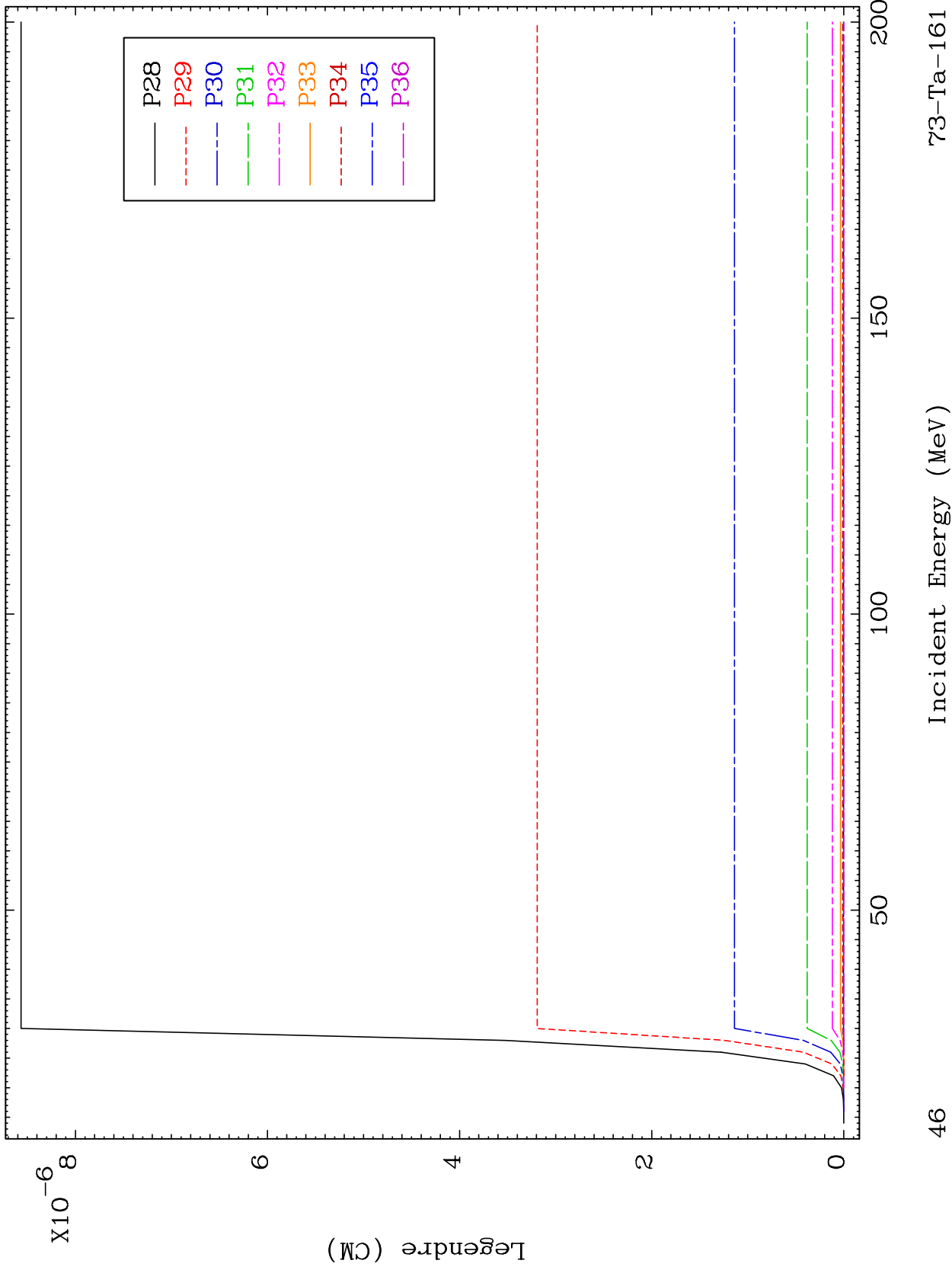
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



46

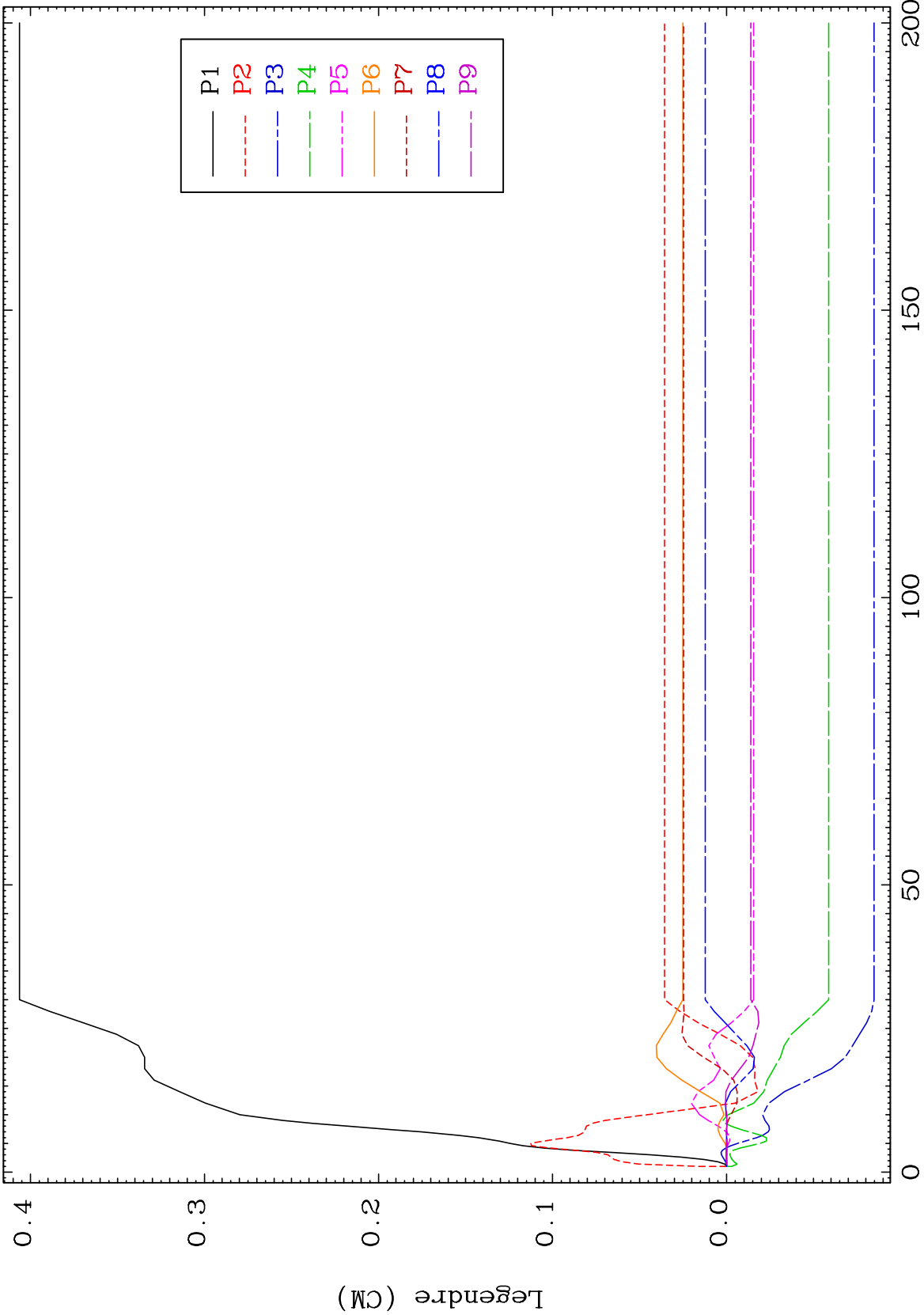
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



47

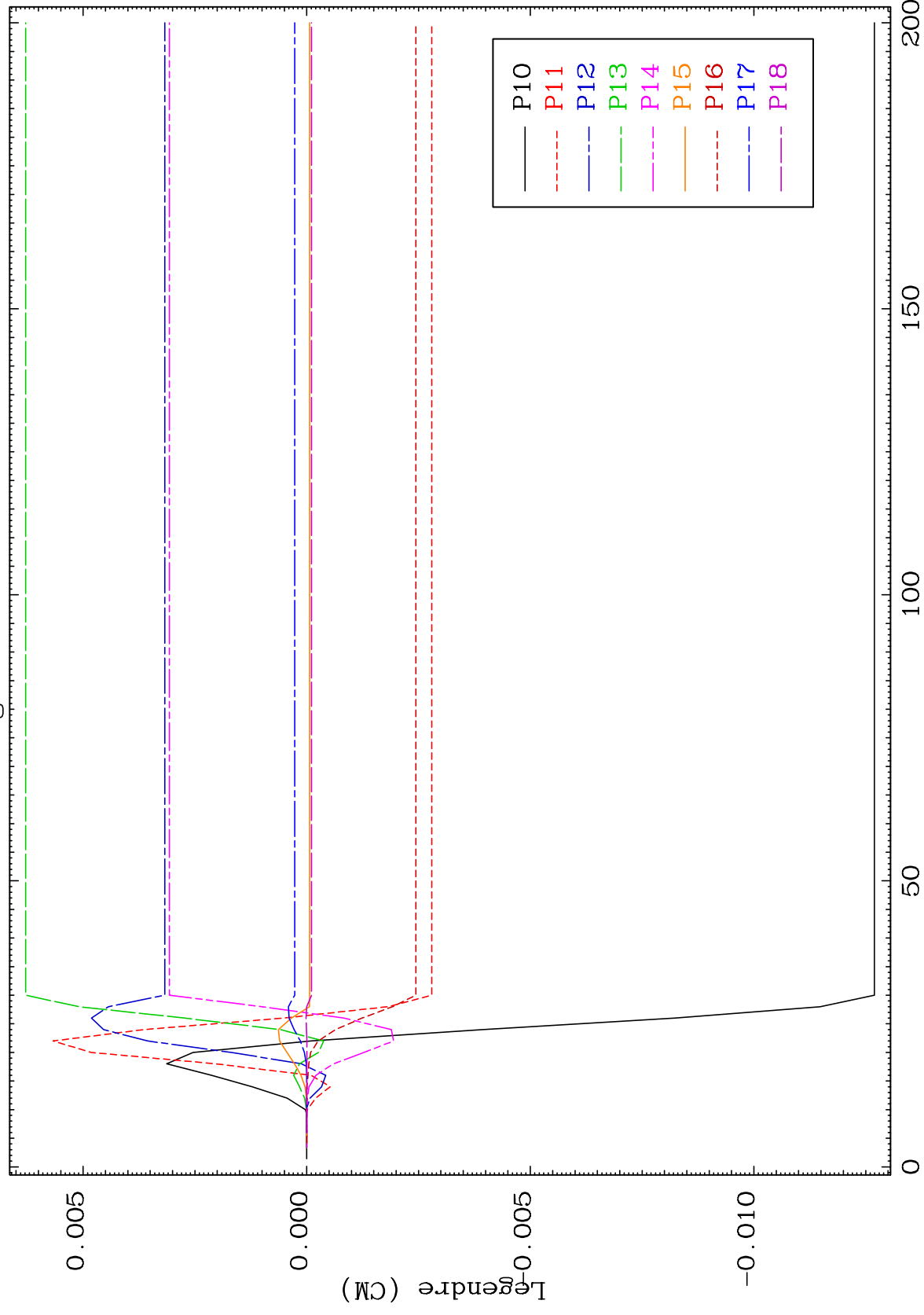
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



48

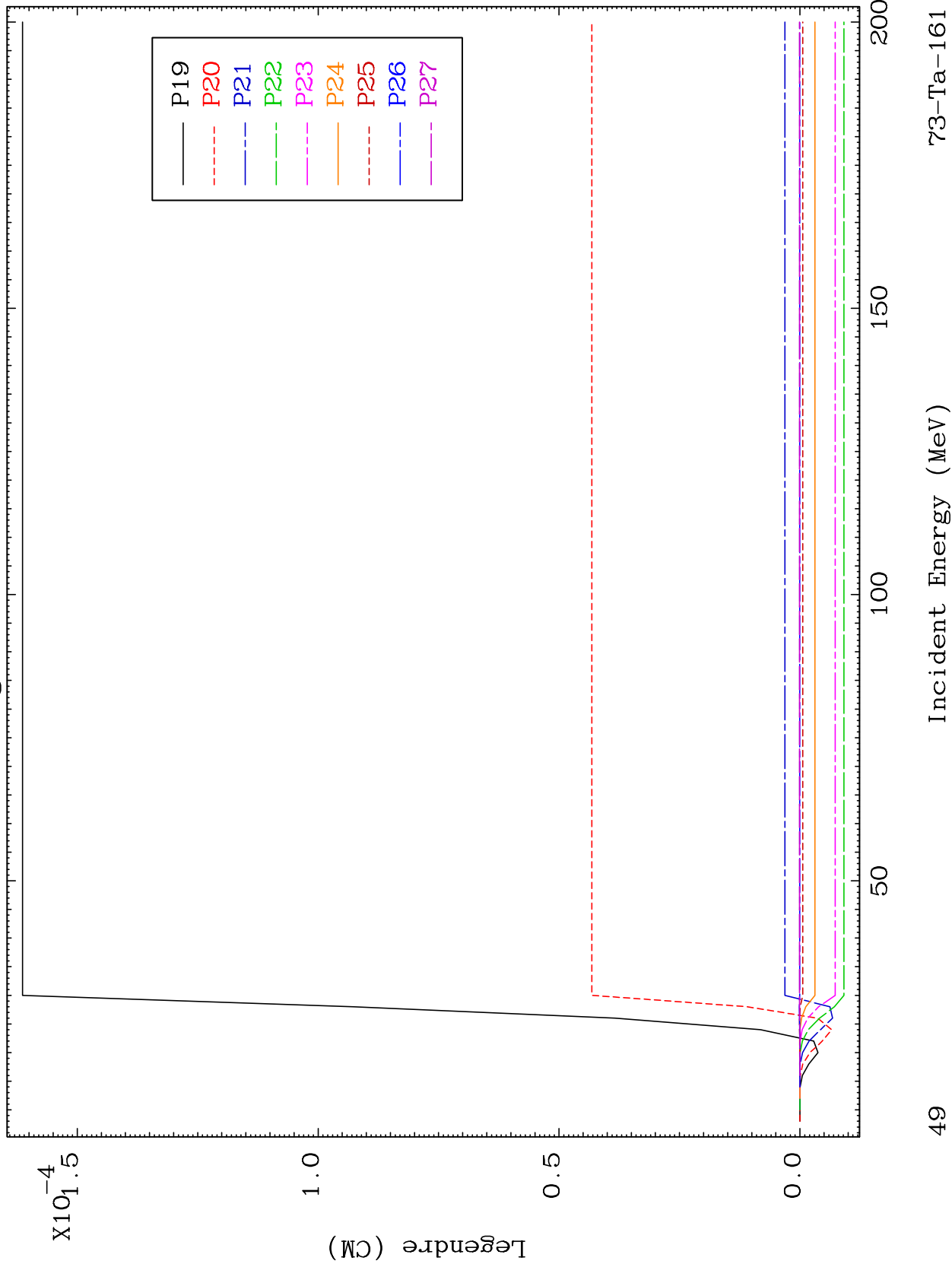
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



49

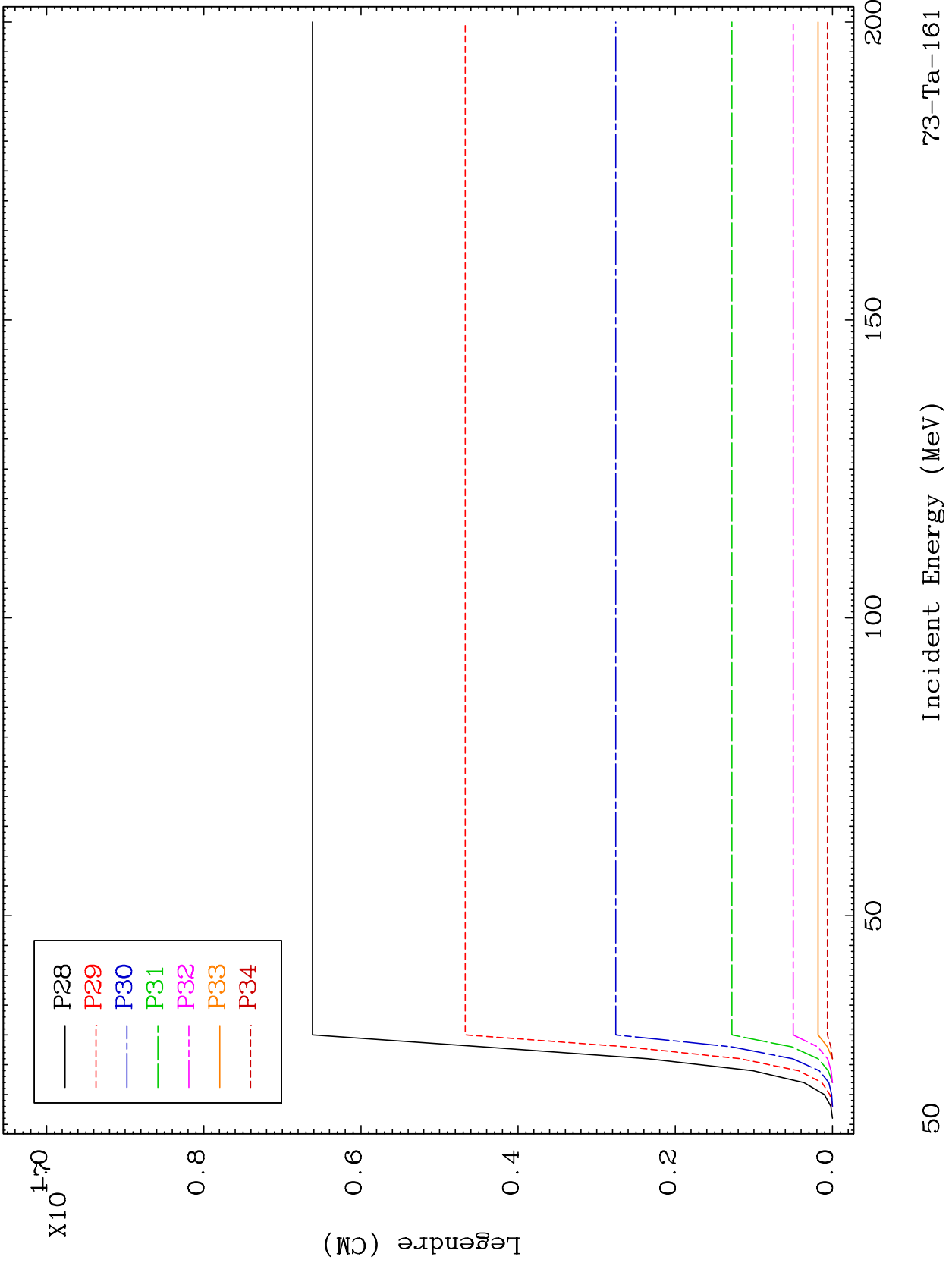
Incident Energy (MeV)

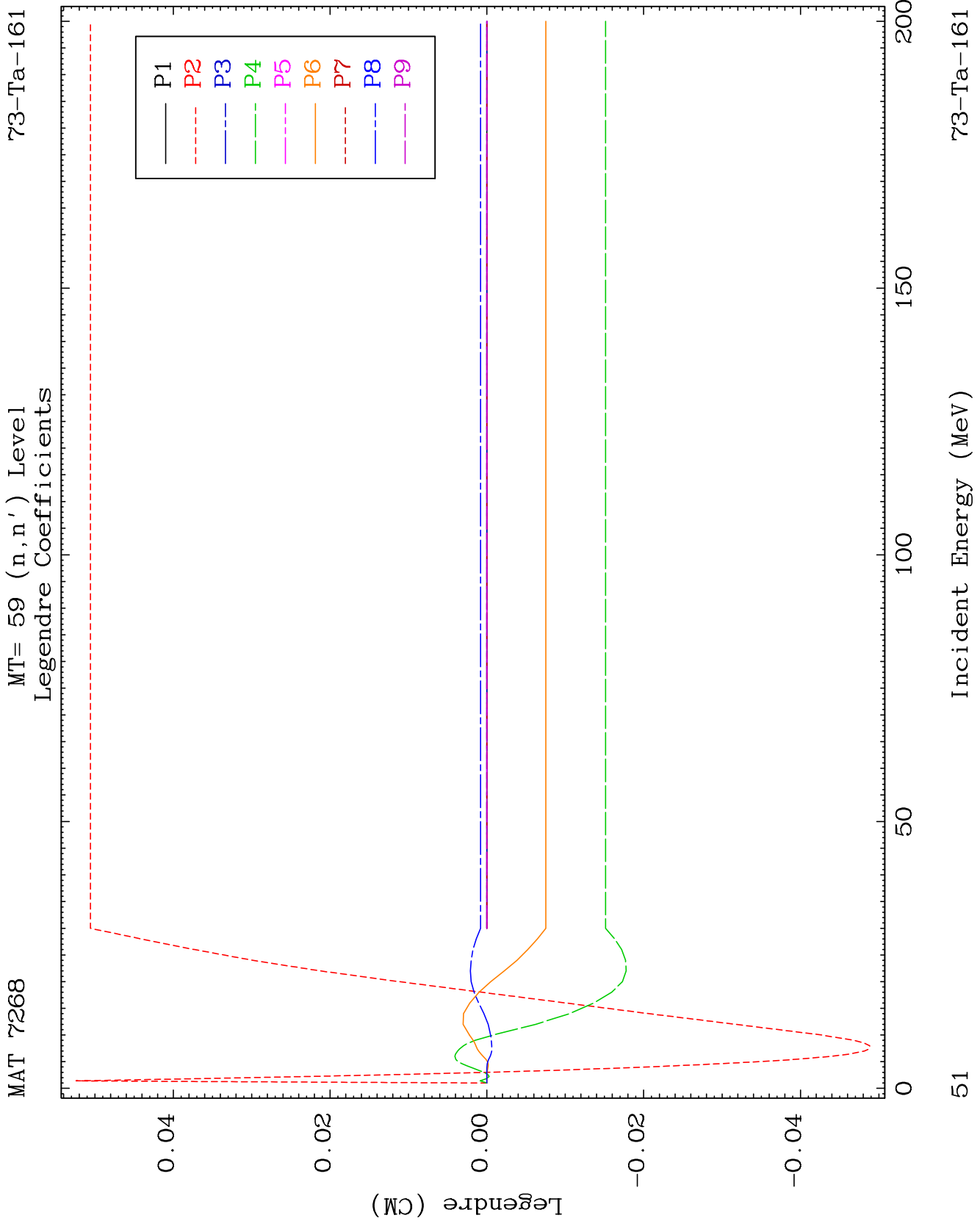
73-Ta-161

MAT 7268

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

73-Ta-161





73-Ta-161

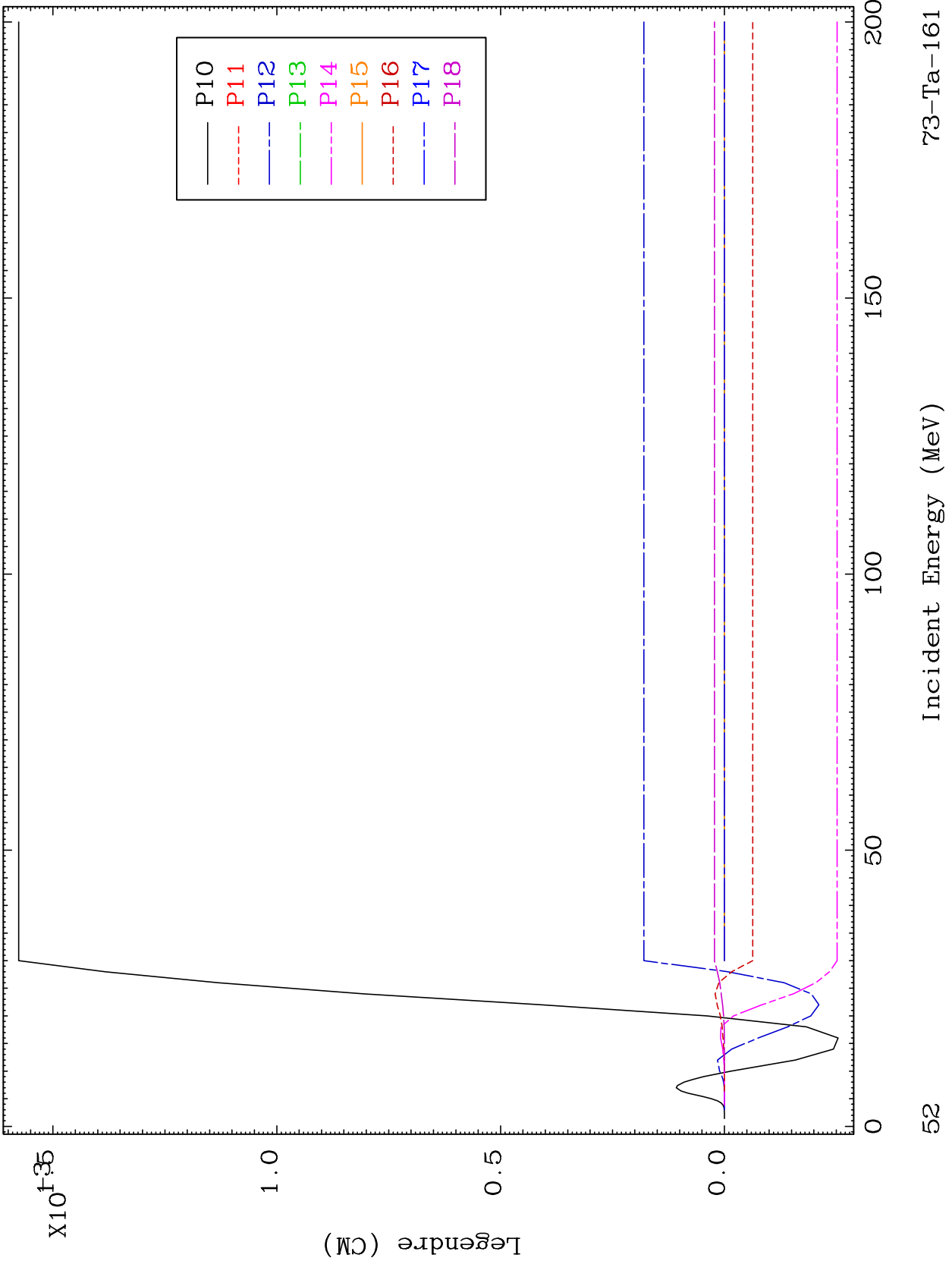
Incident Energy (MeV)

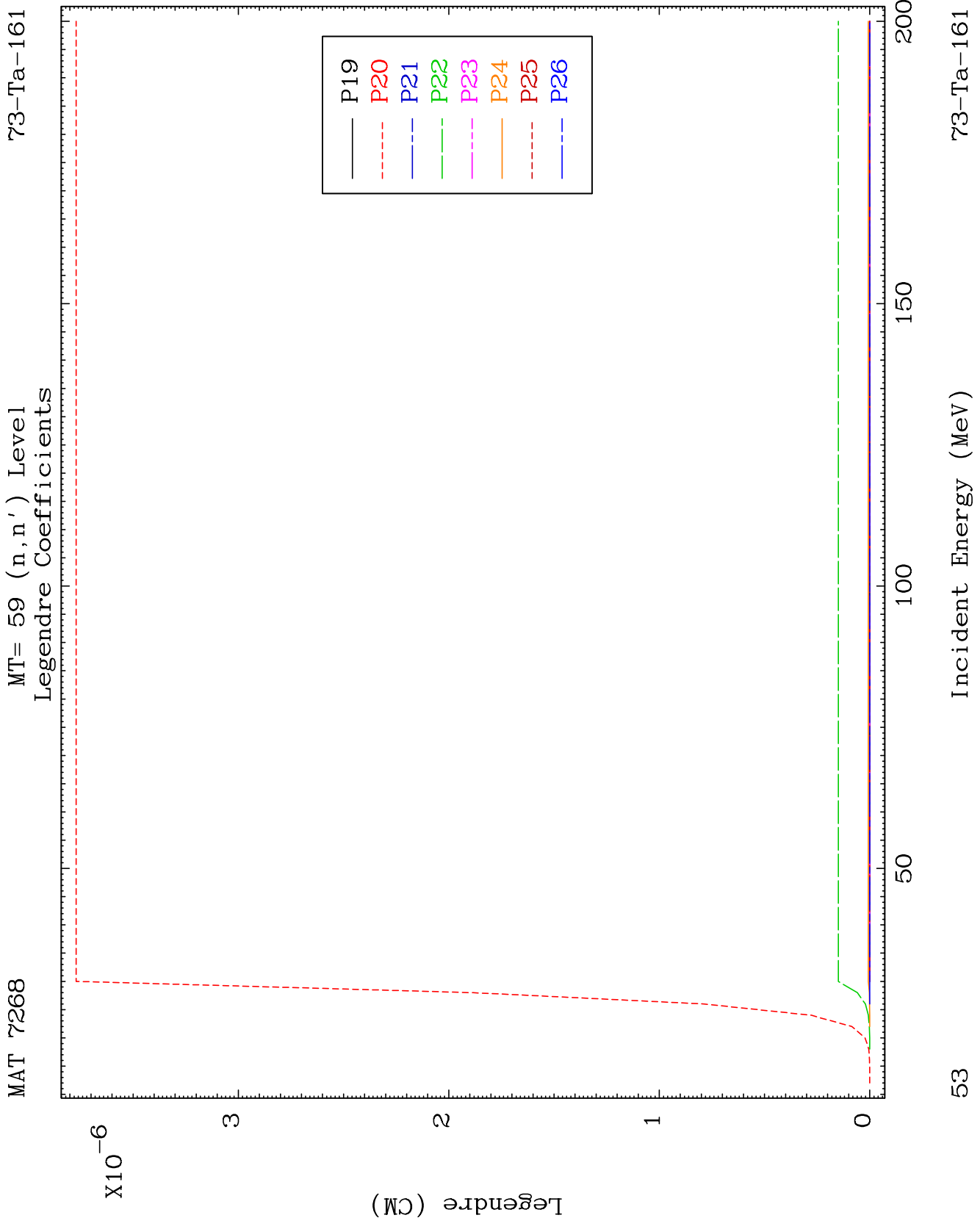
51

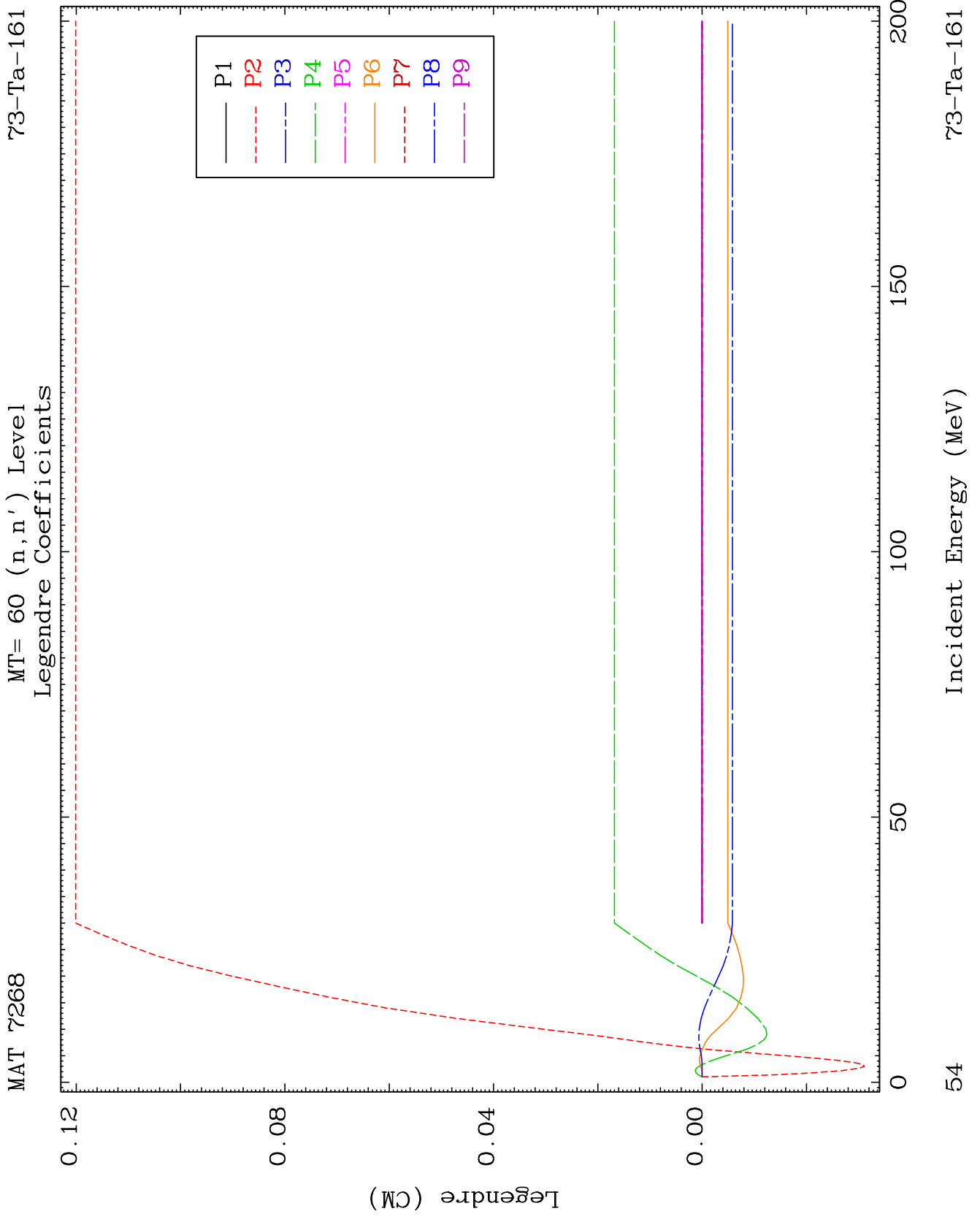
MAT 7268

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

73-Ta-161







73-Ta-161

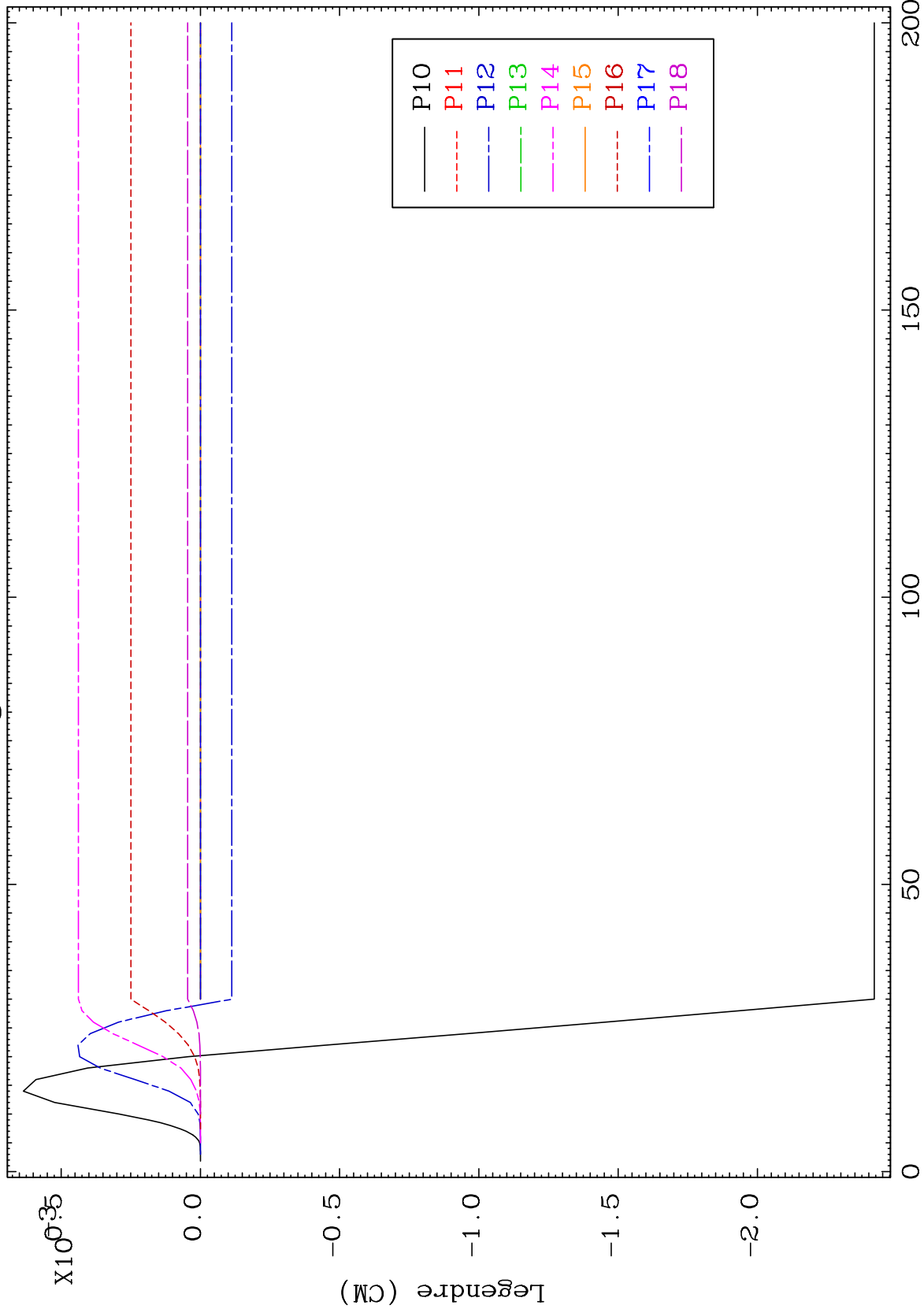
Incident Energy (MeV)

54

MAT 7268

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

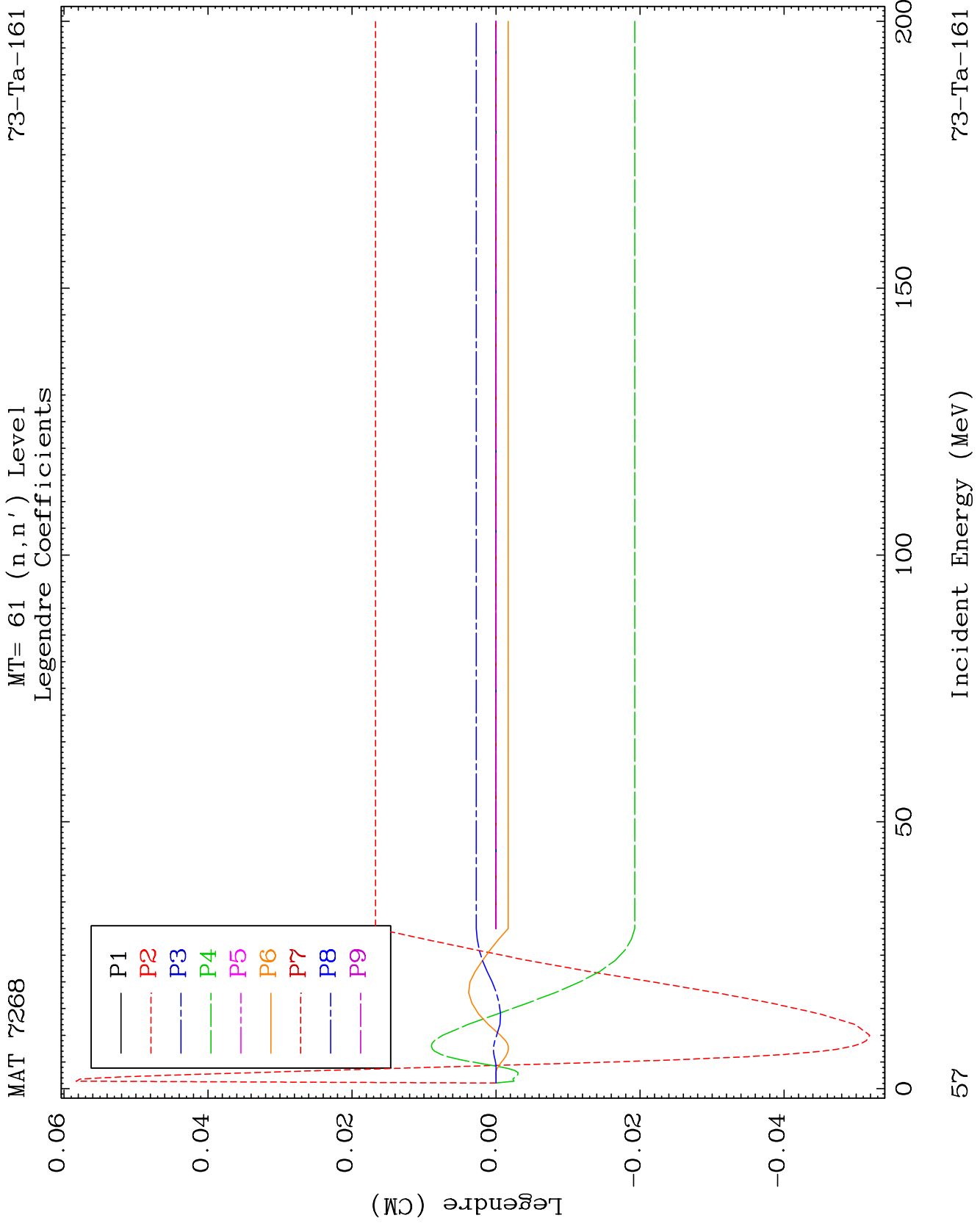
73-Ta-161



55

Incident Energy (MeV)

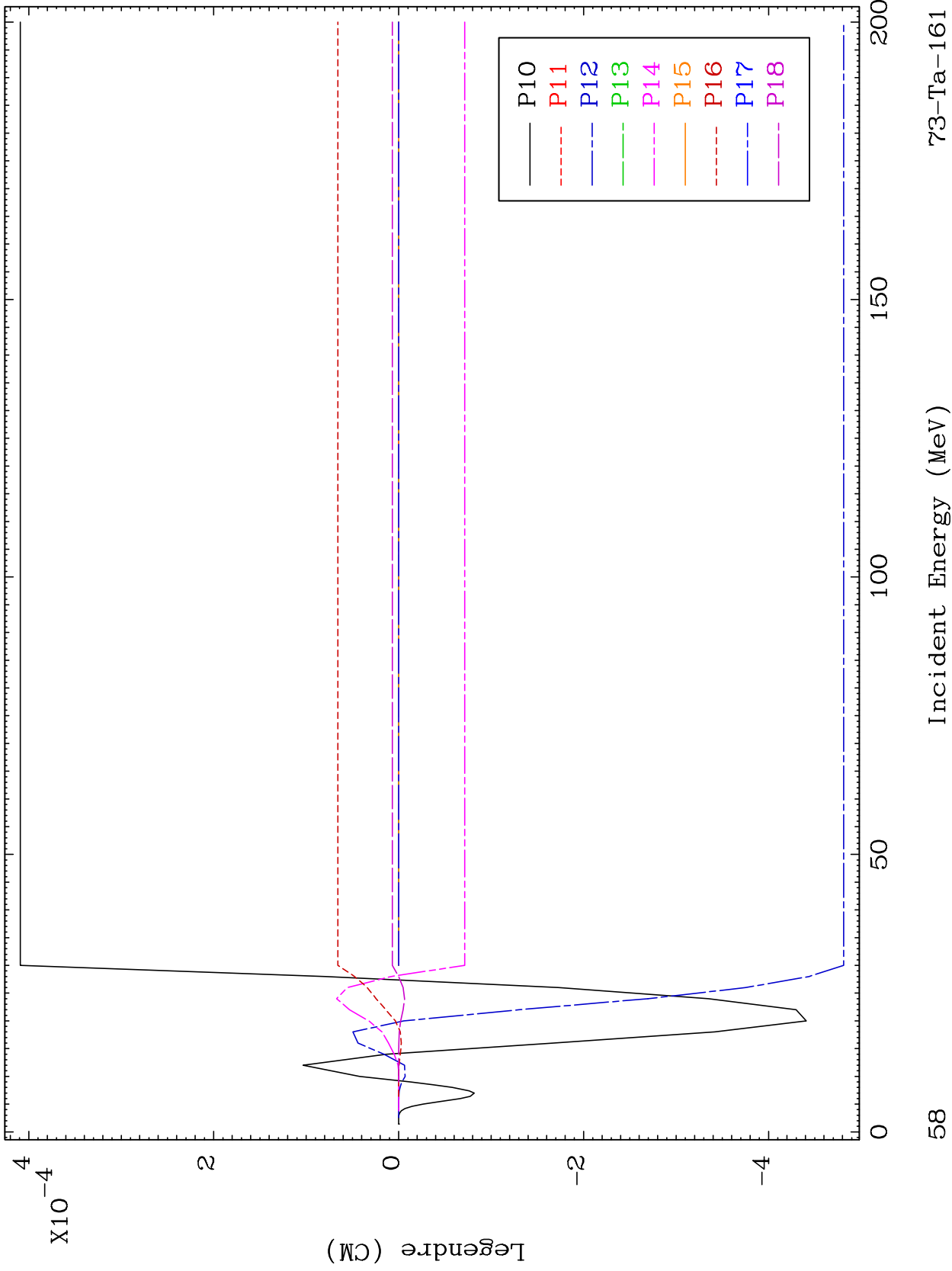
73-Ta-161



MAT 7268

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

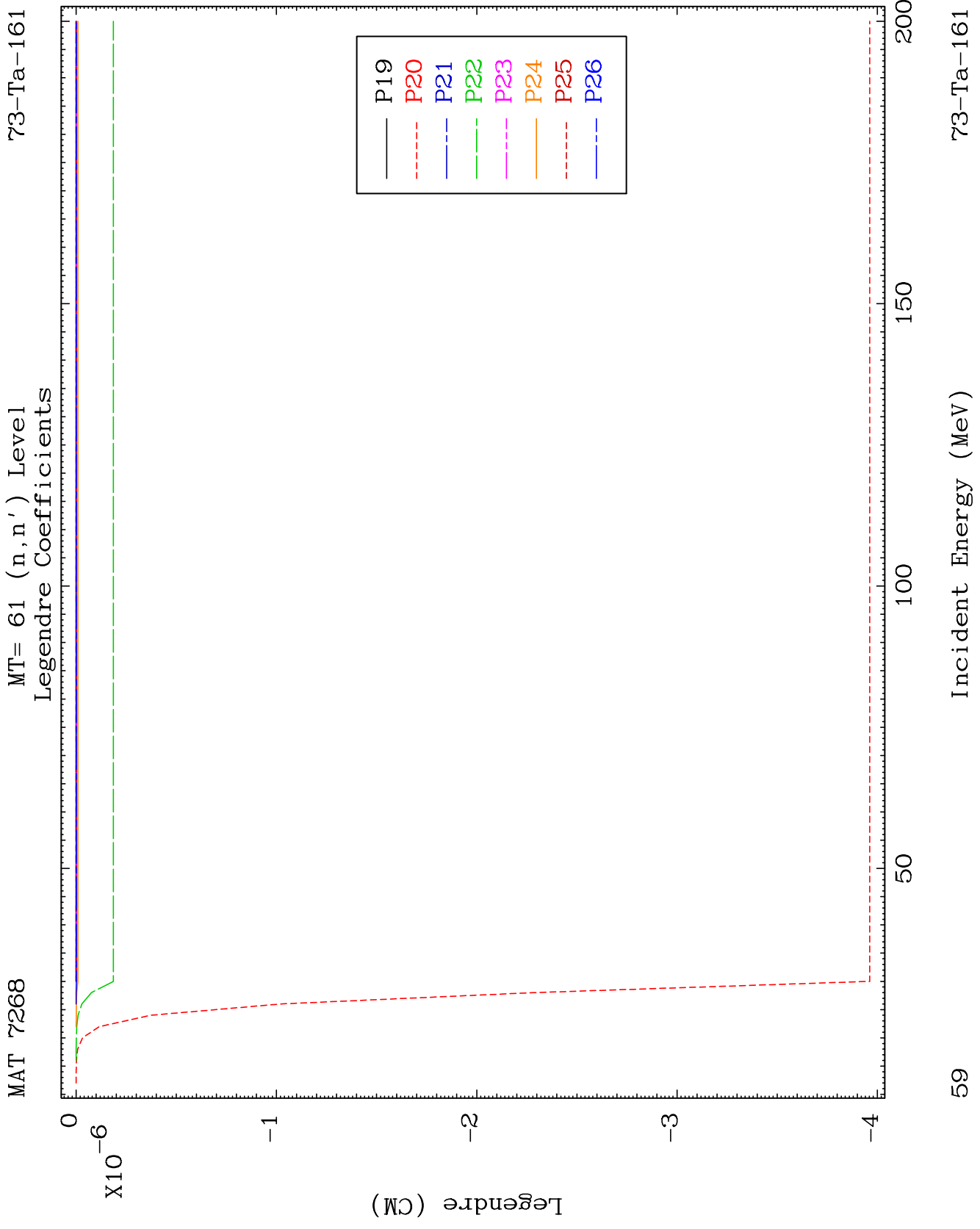
73-Ta-161

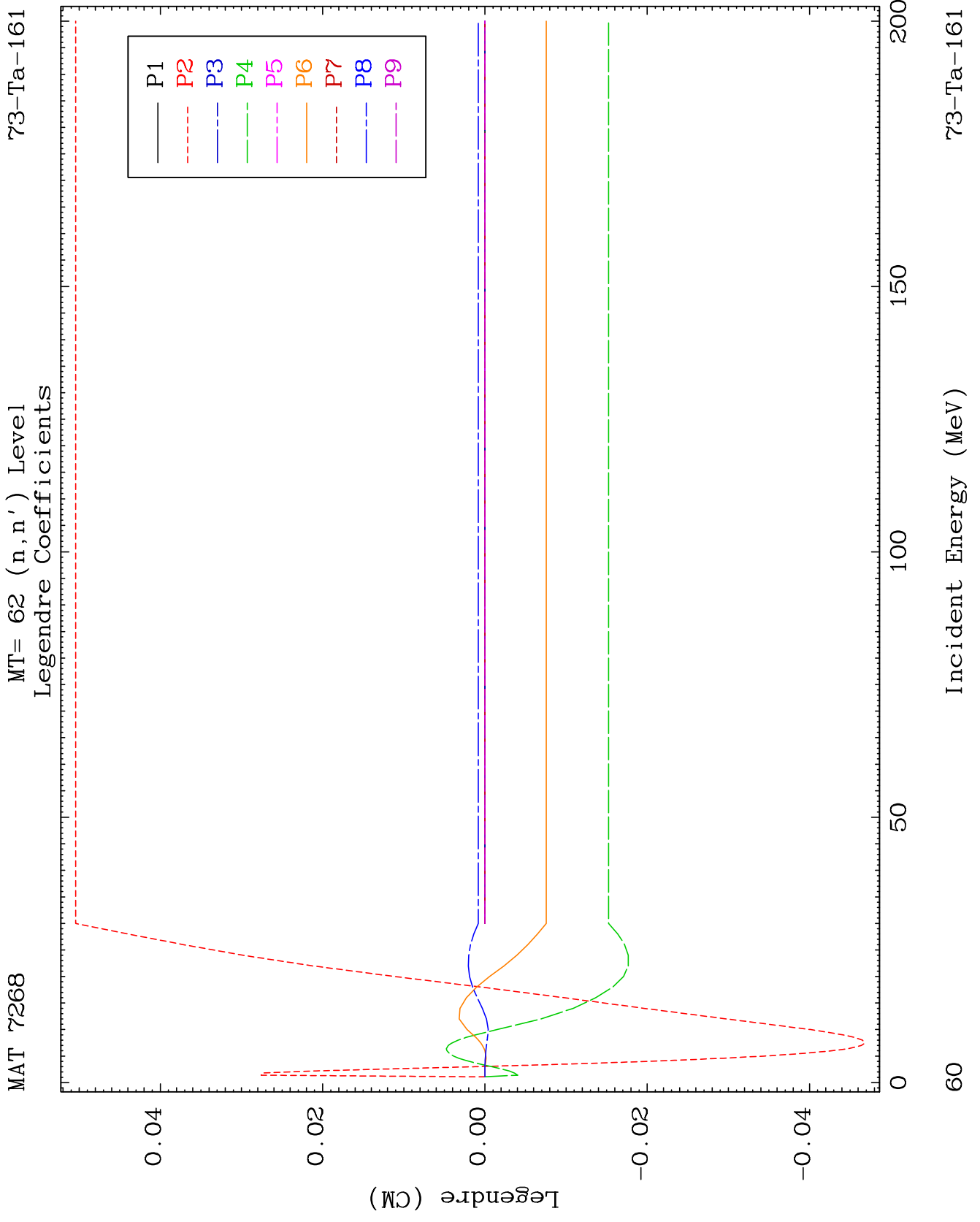


73-Ta-161

Incident Energy (MeV)

58

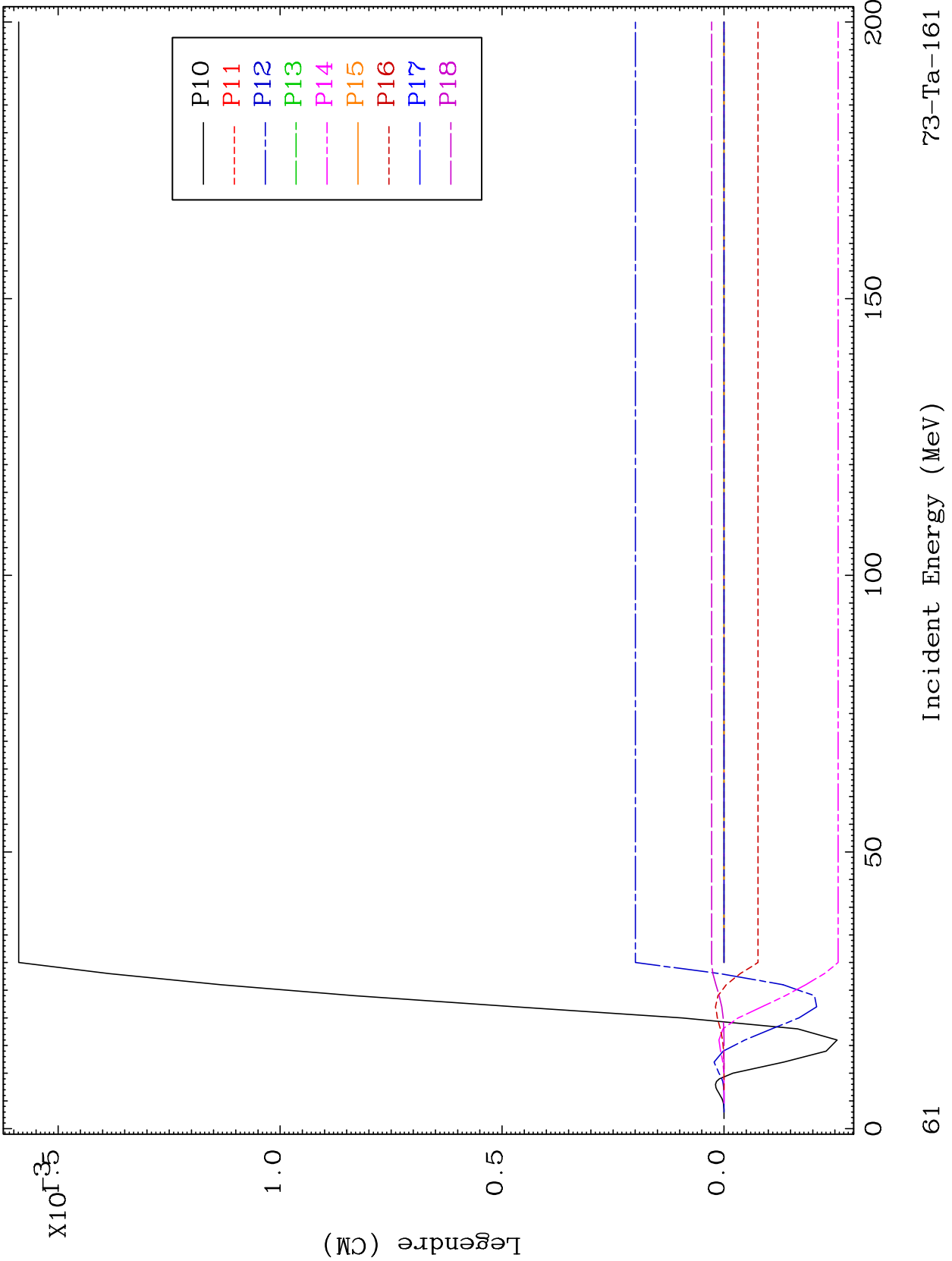




MAT 7268

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

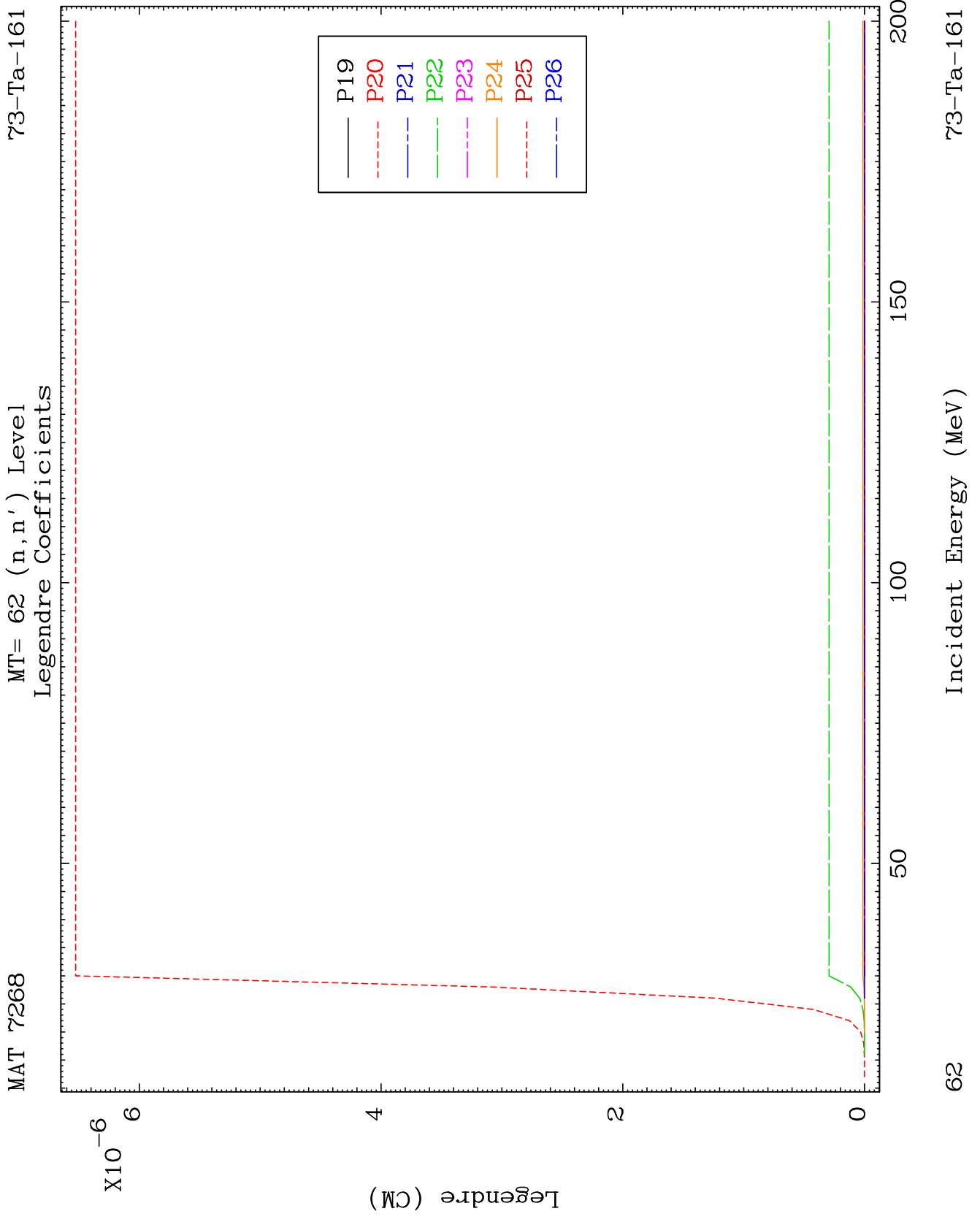
73-Ta-161



61

Incident Energy (MeV)

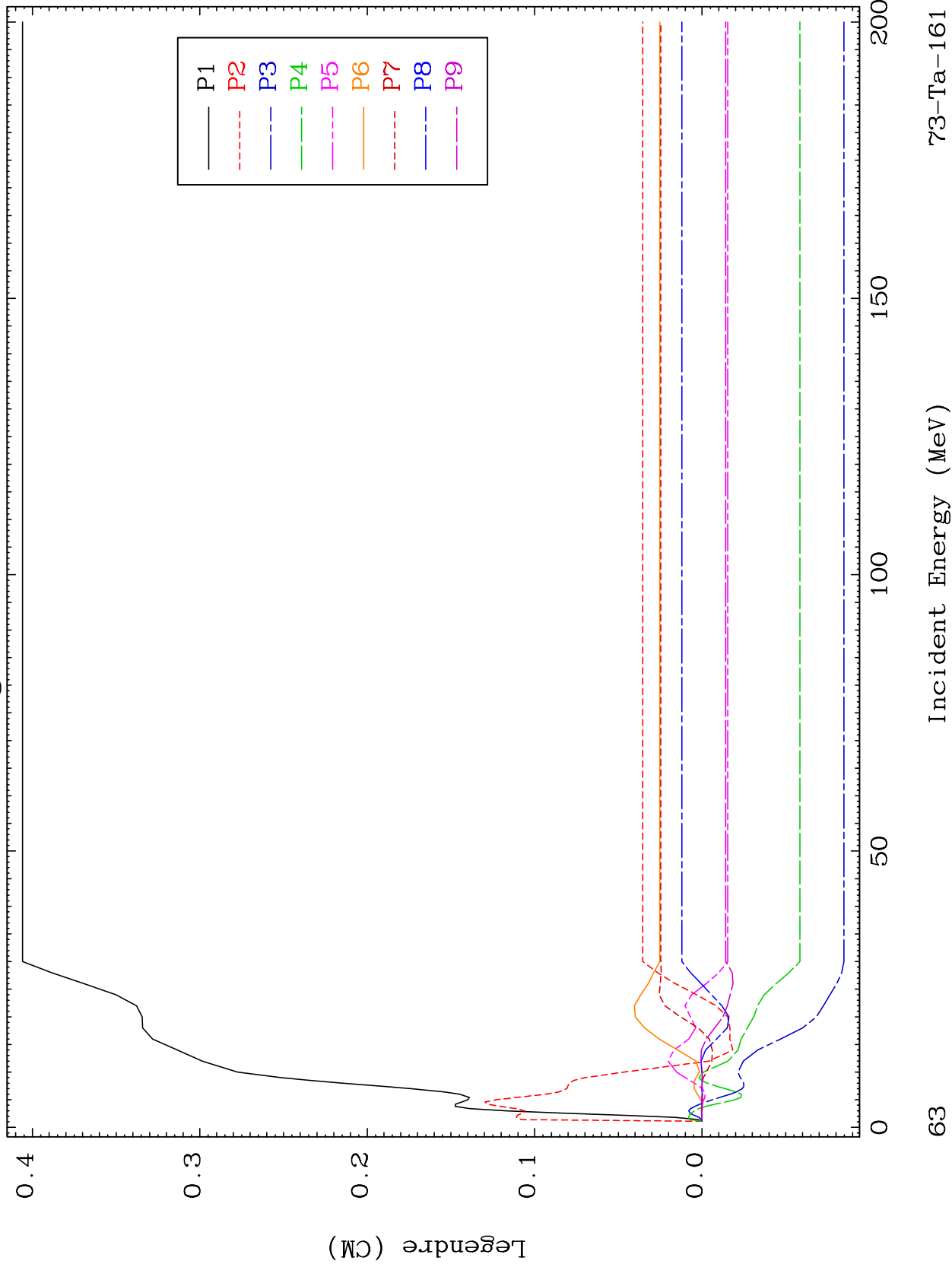
73-Ta-161



MAT 7268

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

73-Ta-161



73-Ta-161

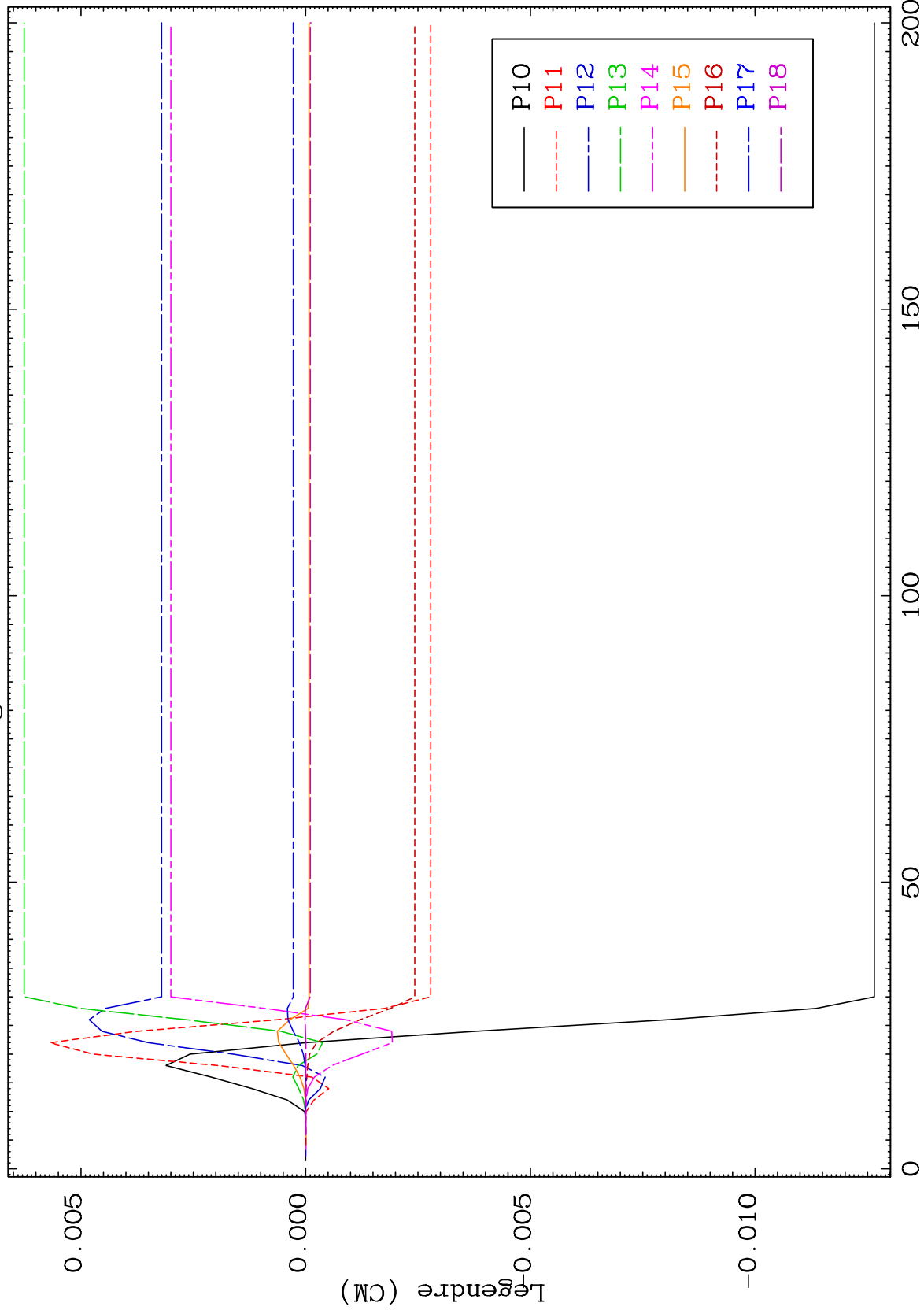
Incident Energy (MeV)

63

MAT 7268

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

73-Ta-161



64

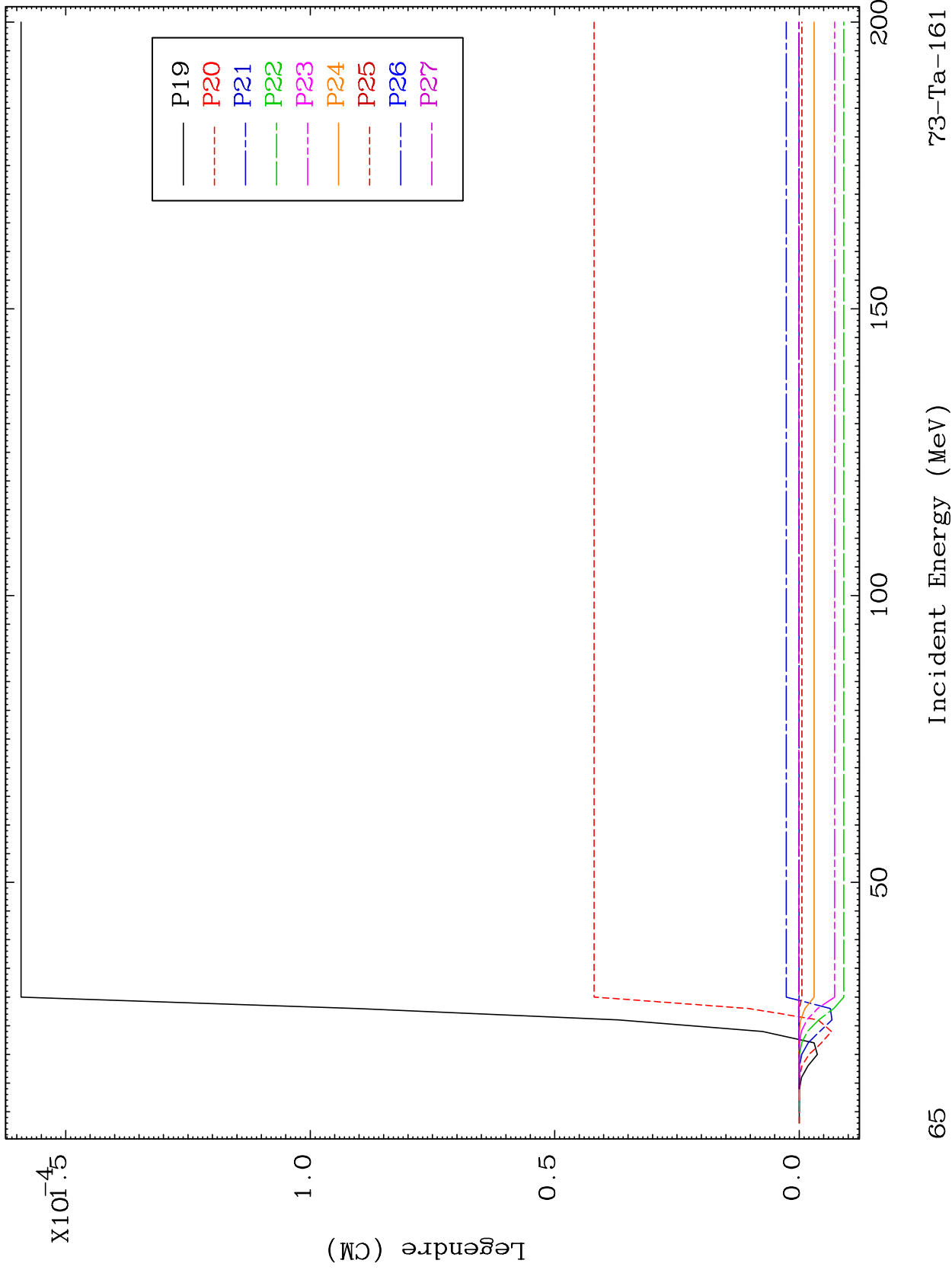
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



65

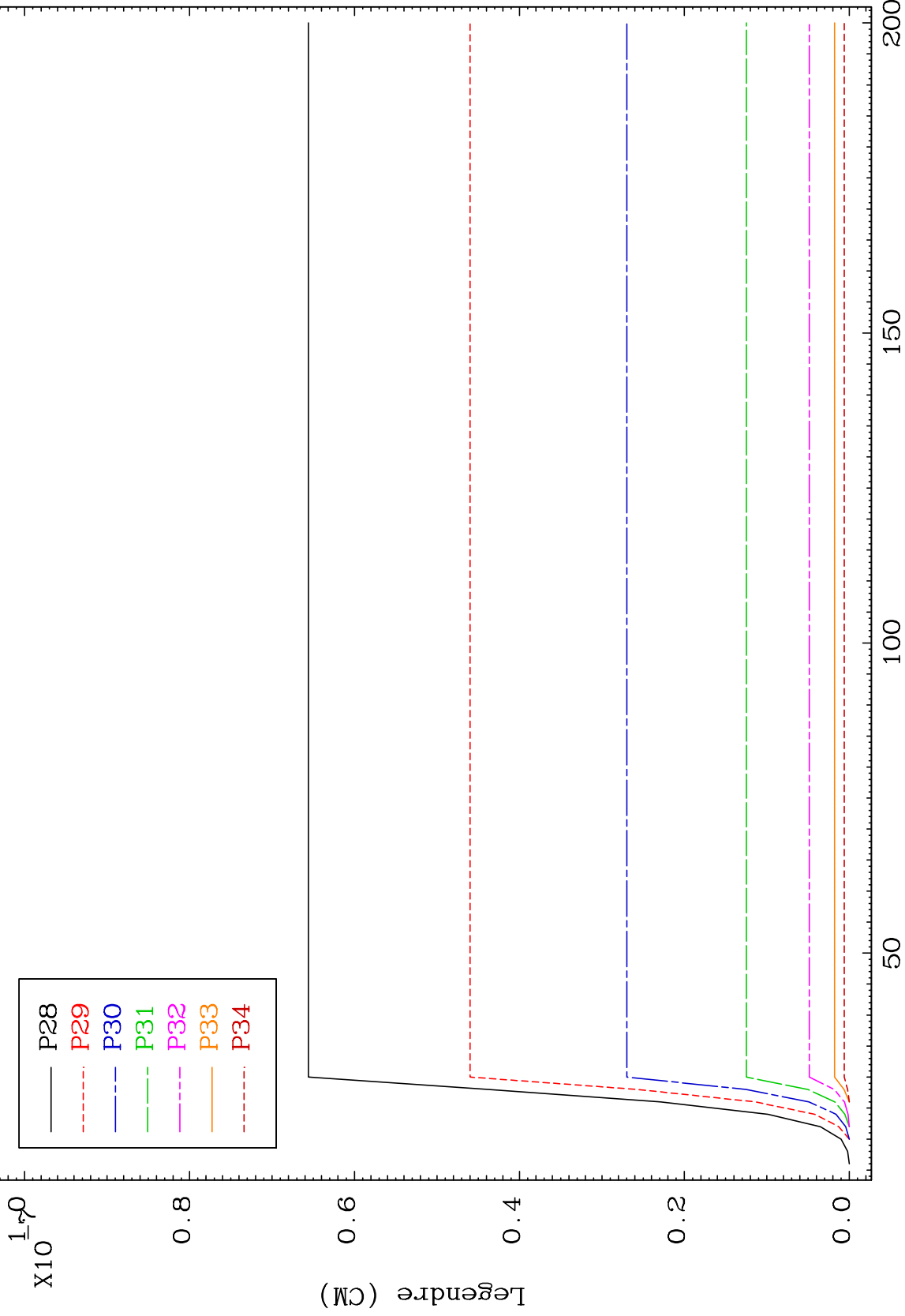
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



66

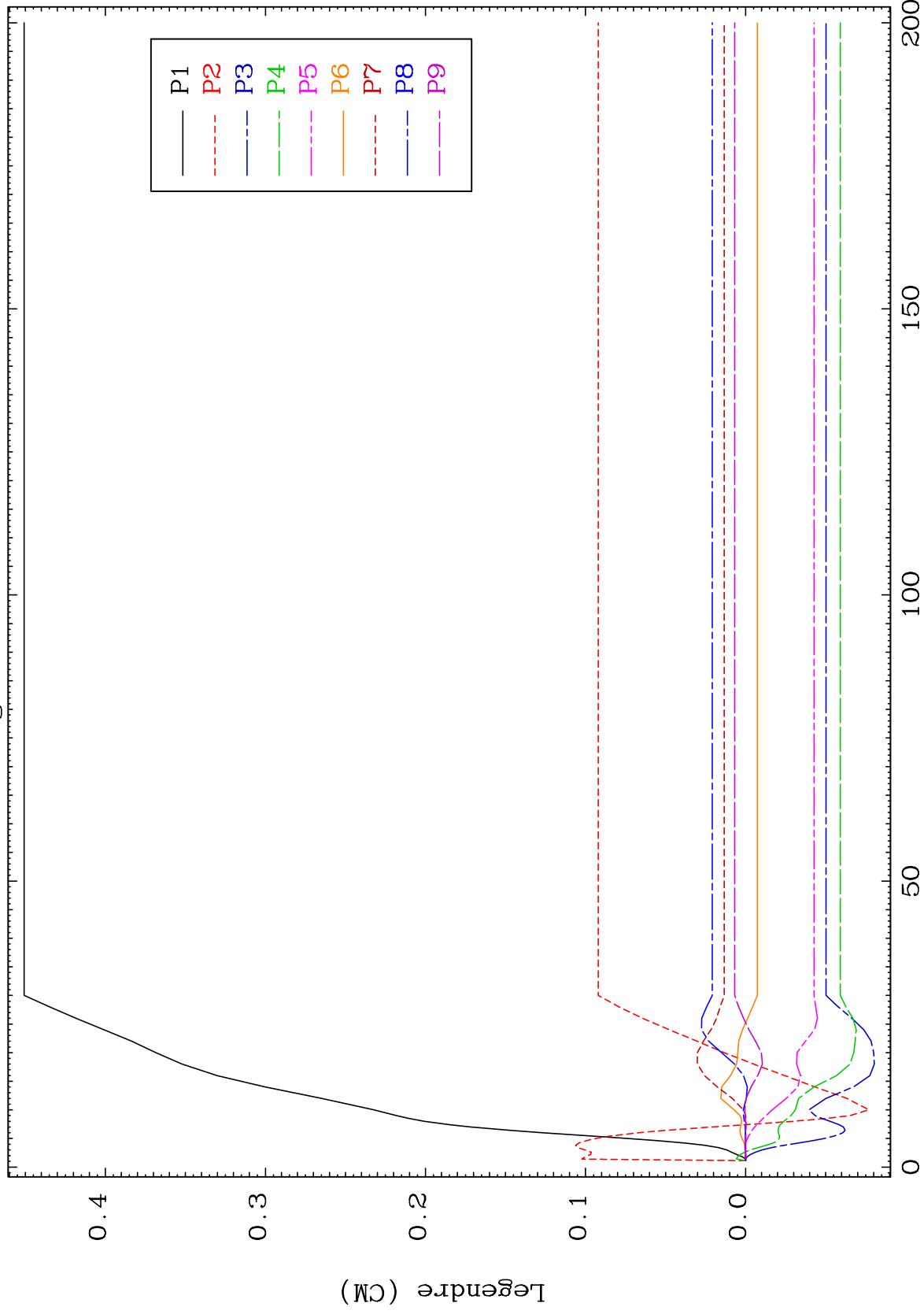
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

73-Ta-161



73-Ta-161

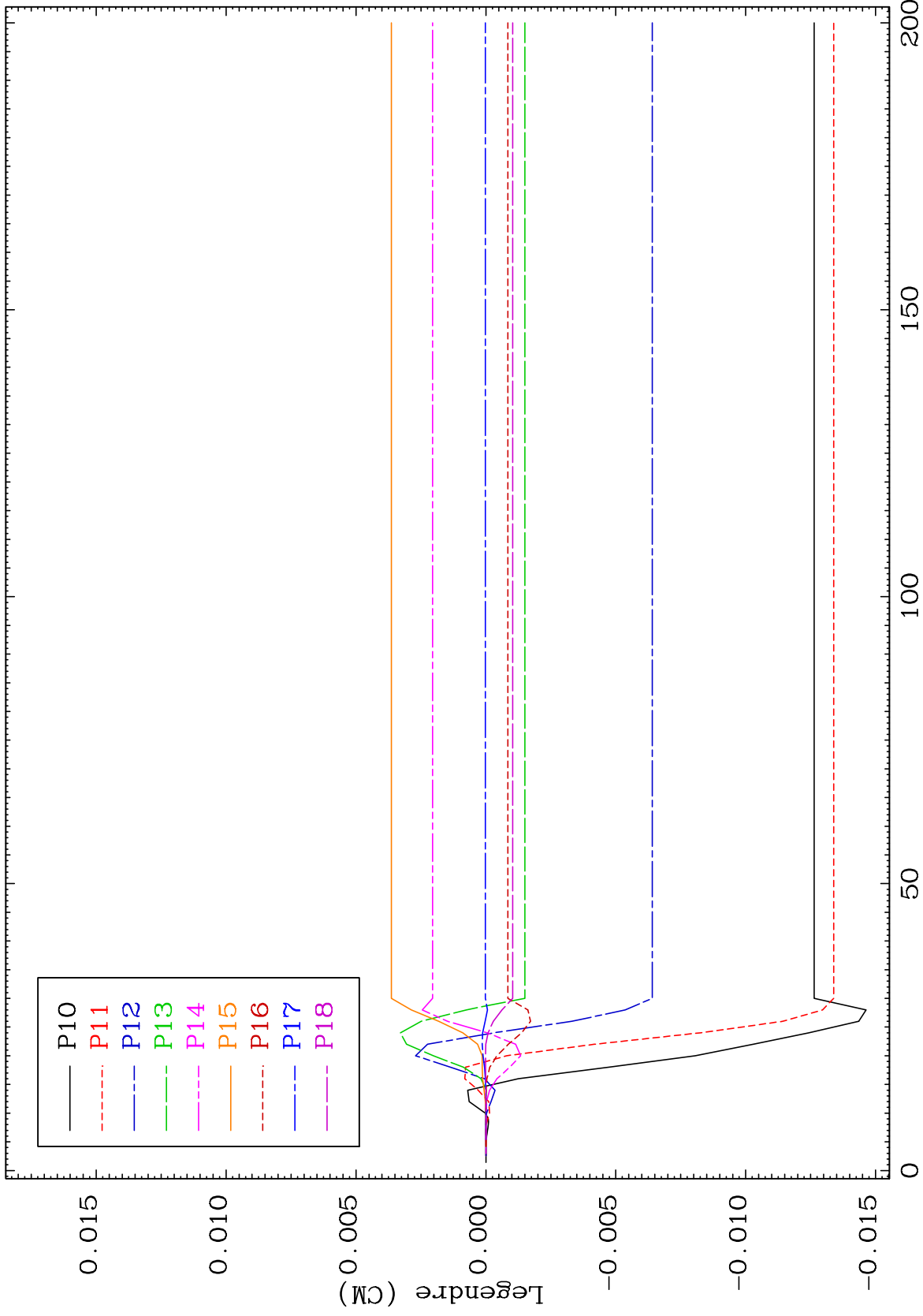
Incident Energy (MeV)

67

MAT 7268

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

73-Ta-161



68

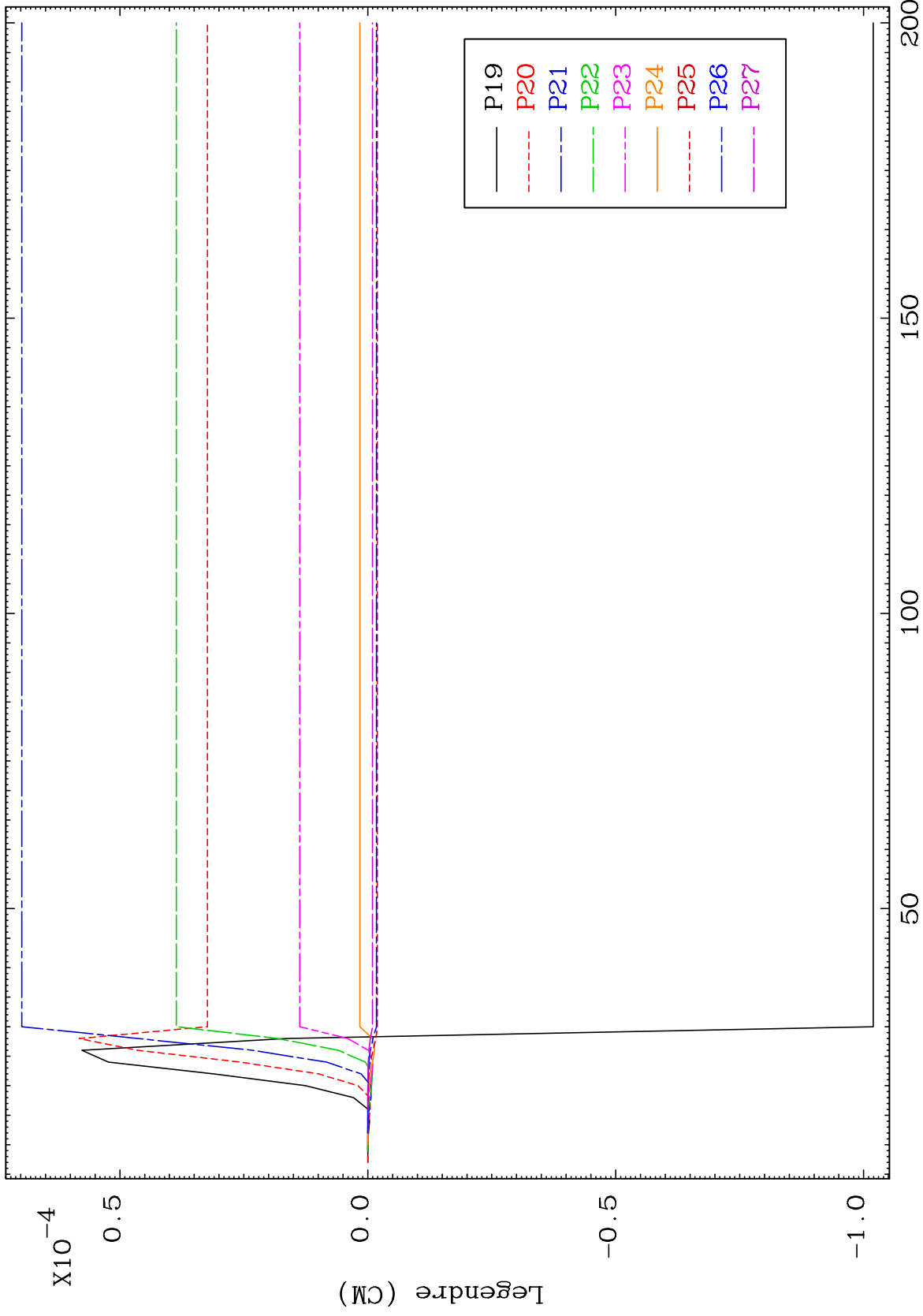
Incident Energy (MeV)

73-Ta-161

MAT 7268

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

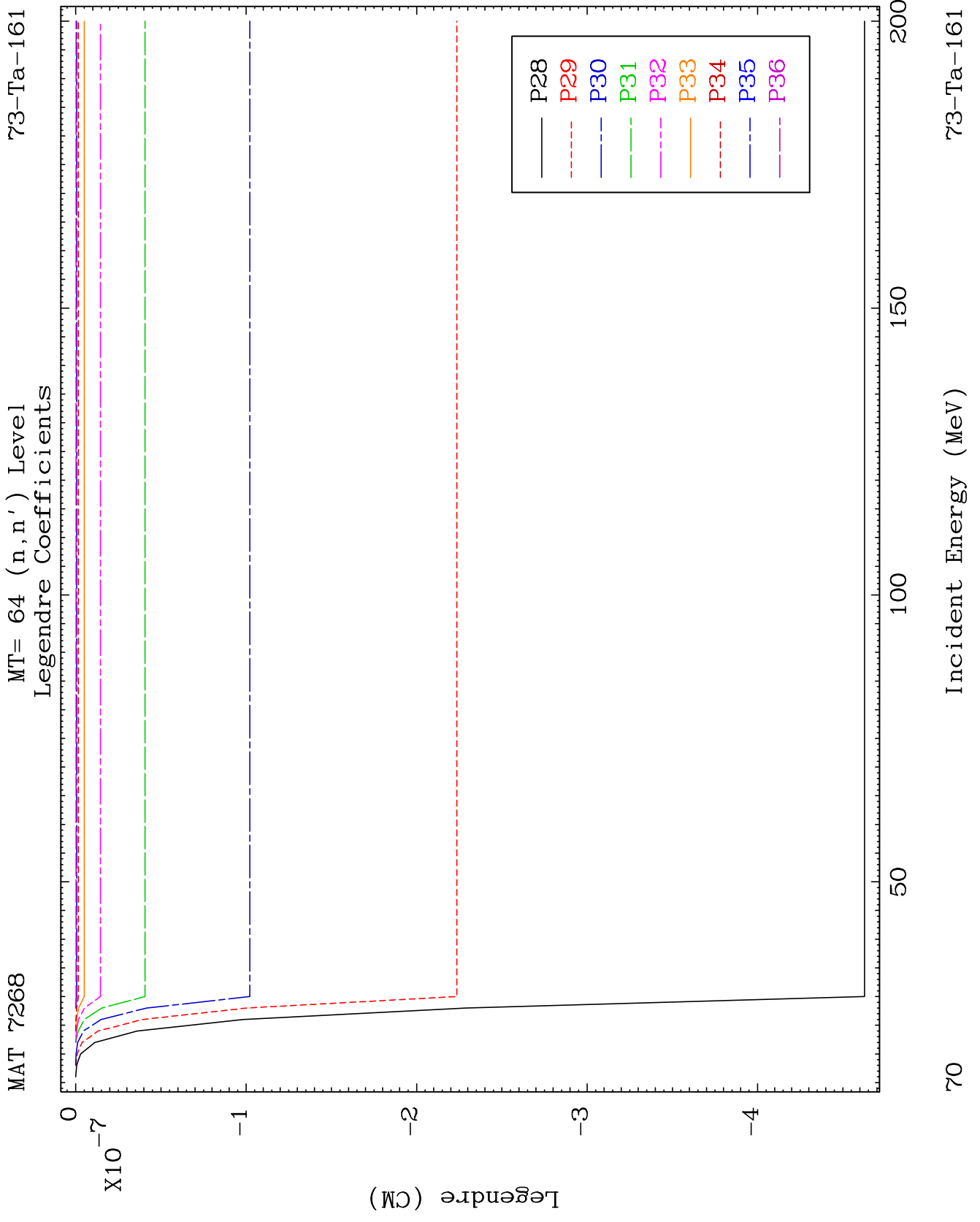
73-Ta-161

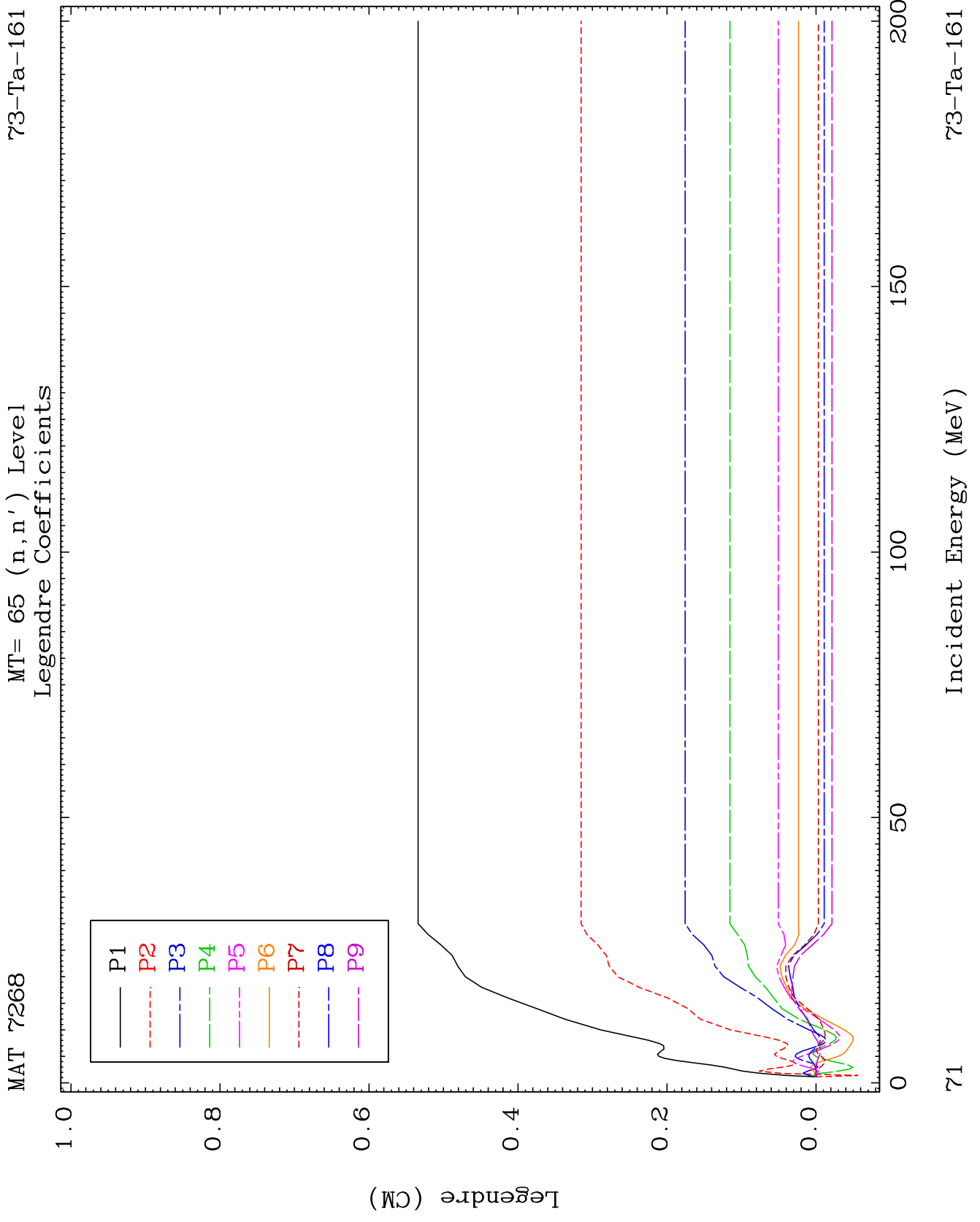


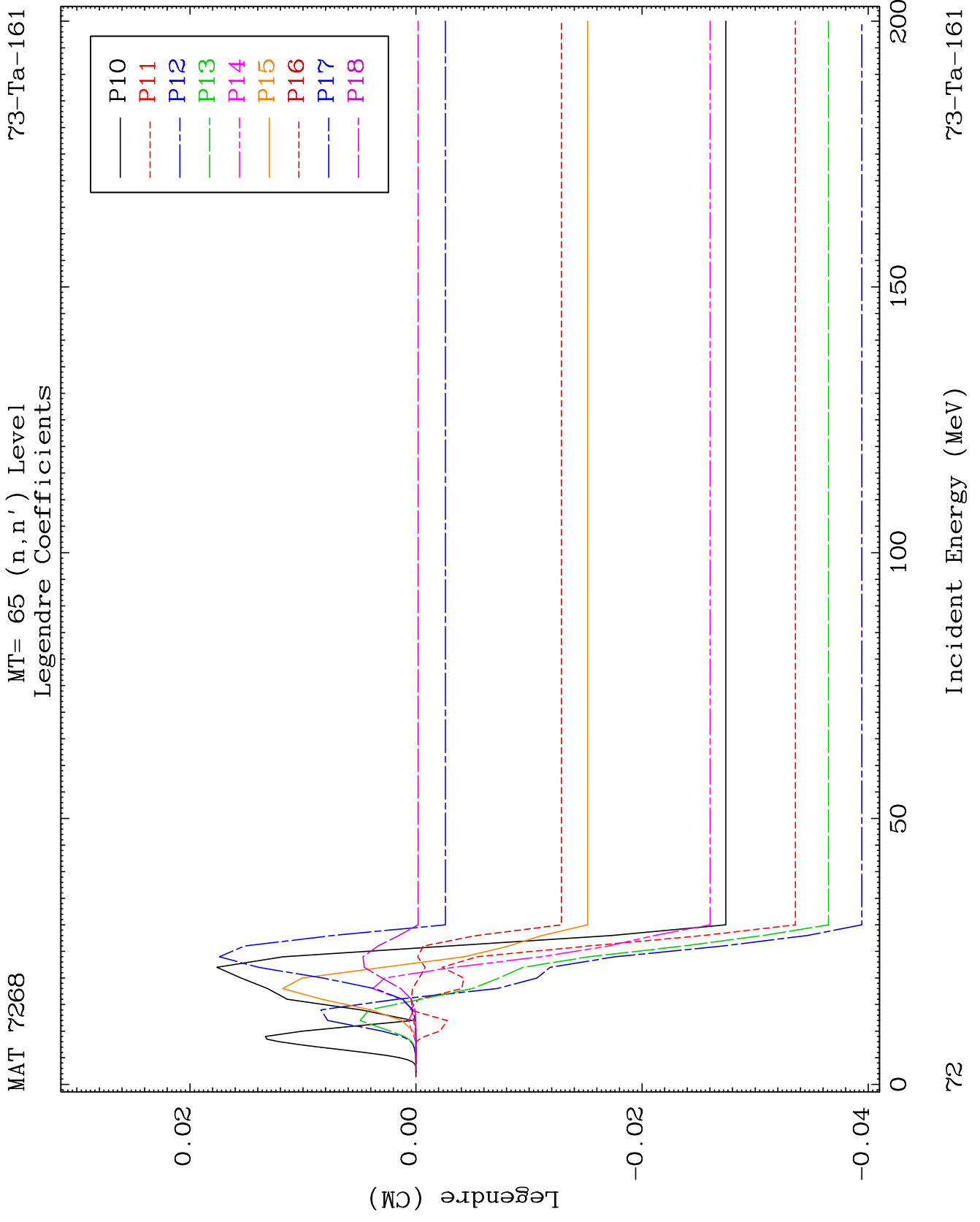
69

Incident Energy (MeV)

73-Ta-161



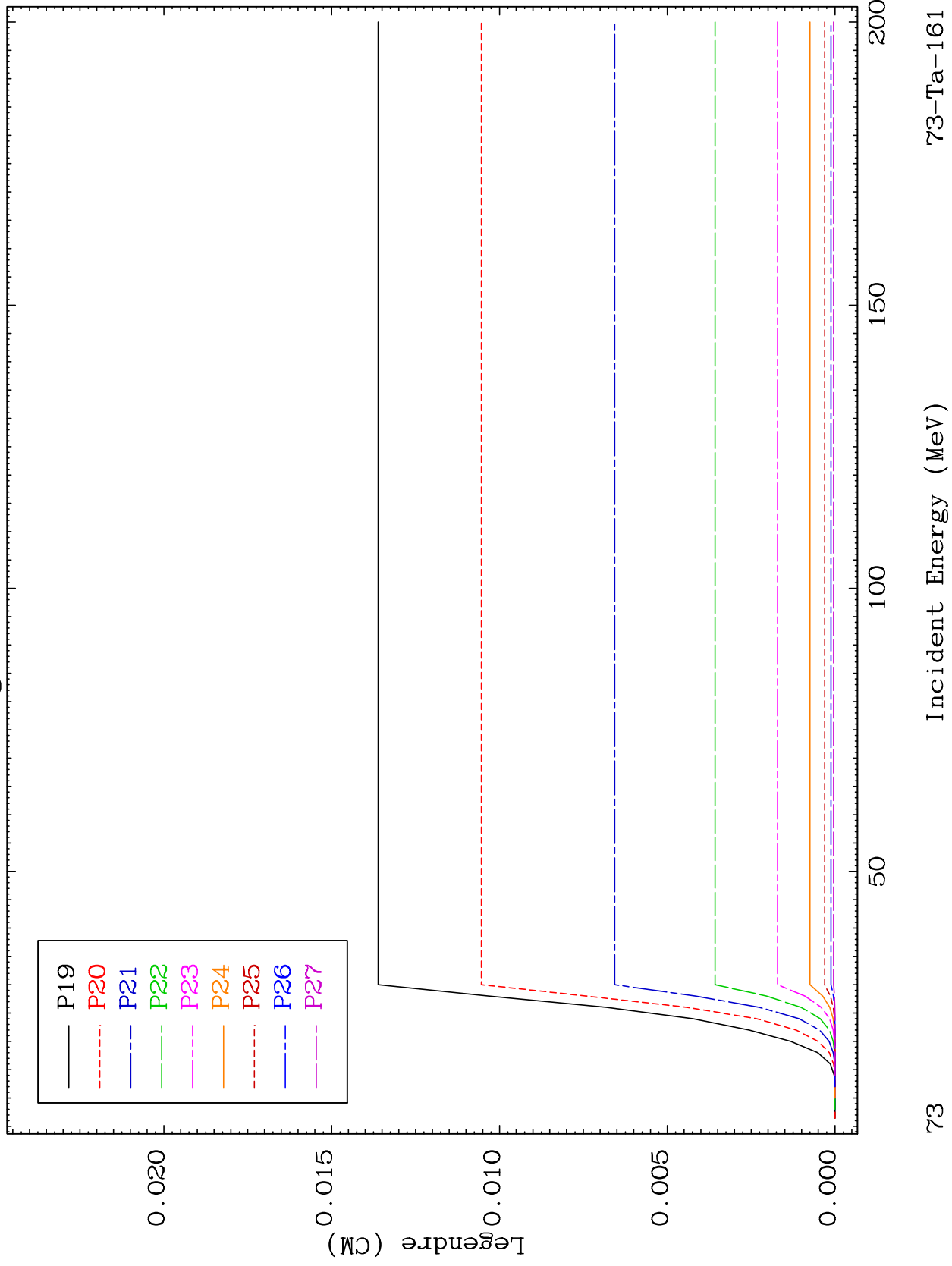




MAT 7268

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

73-Ta-161



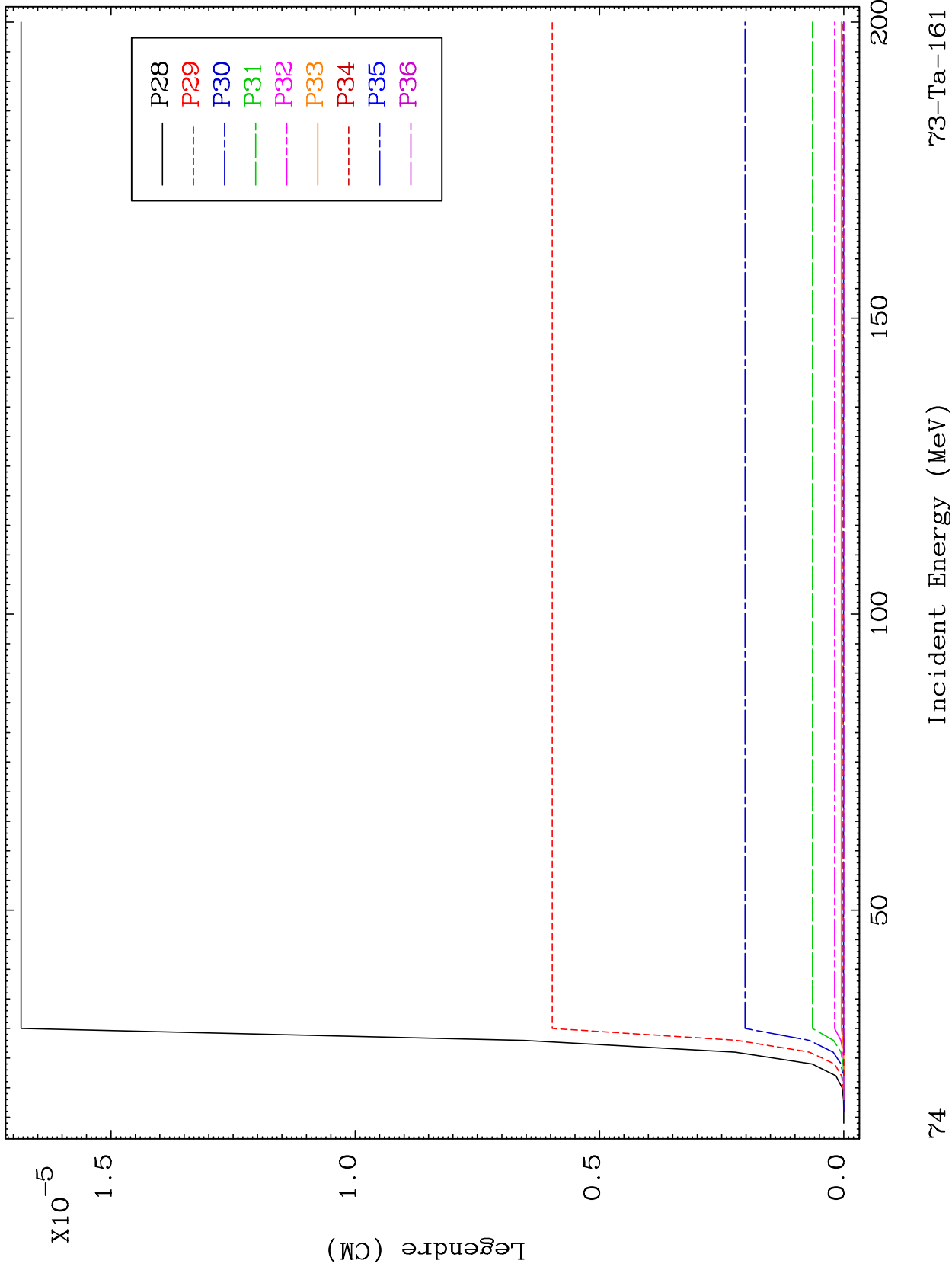
73

73-Ta-161

MAT 7268

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

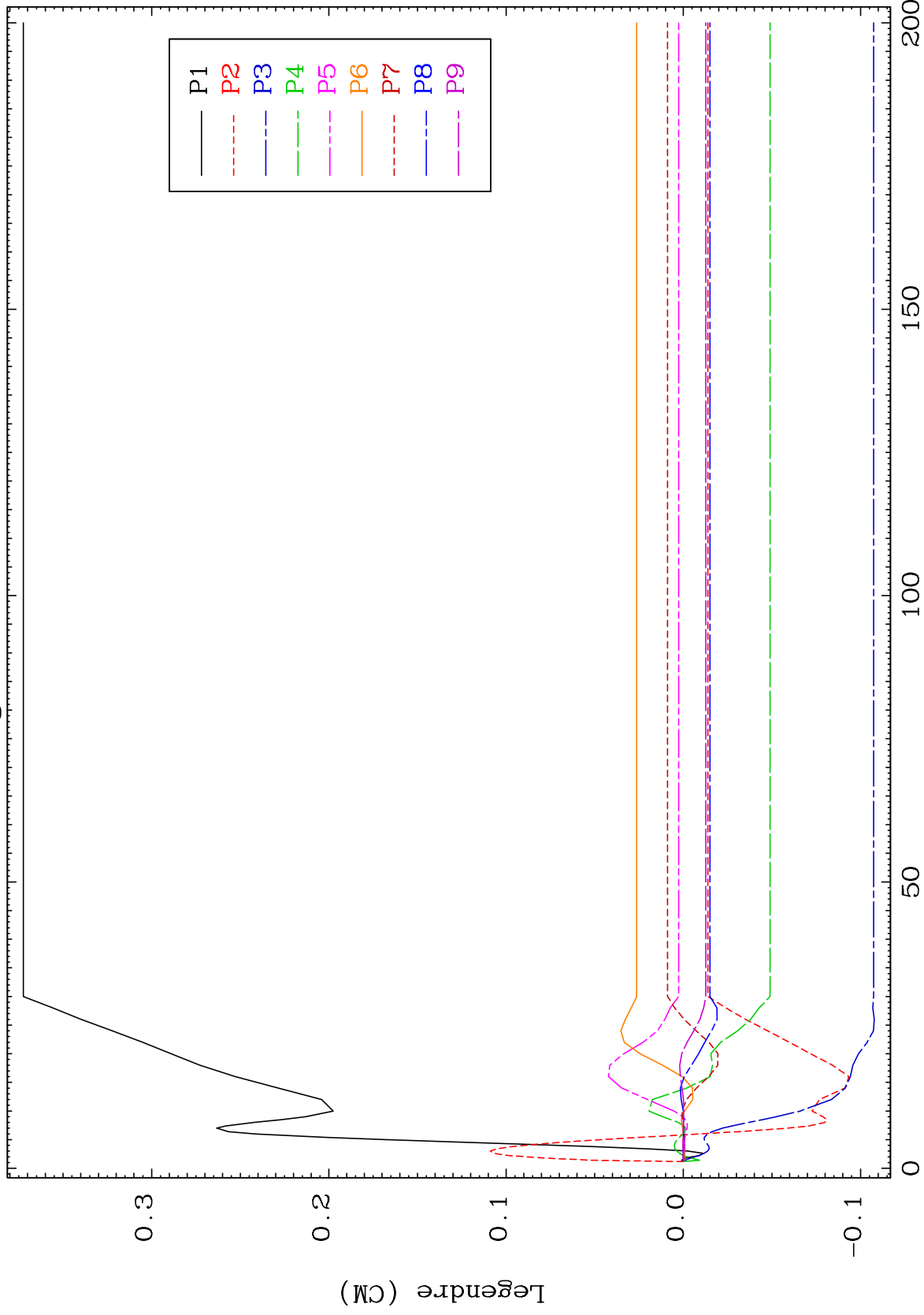
73-Ta-161



MAT 7268

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

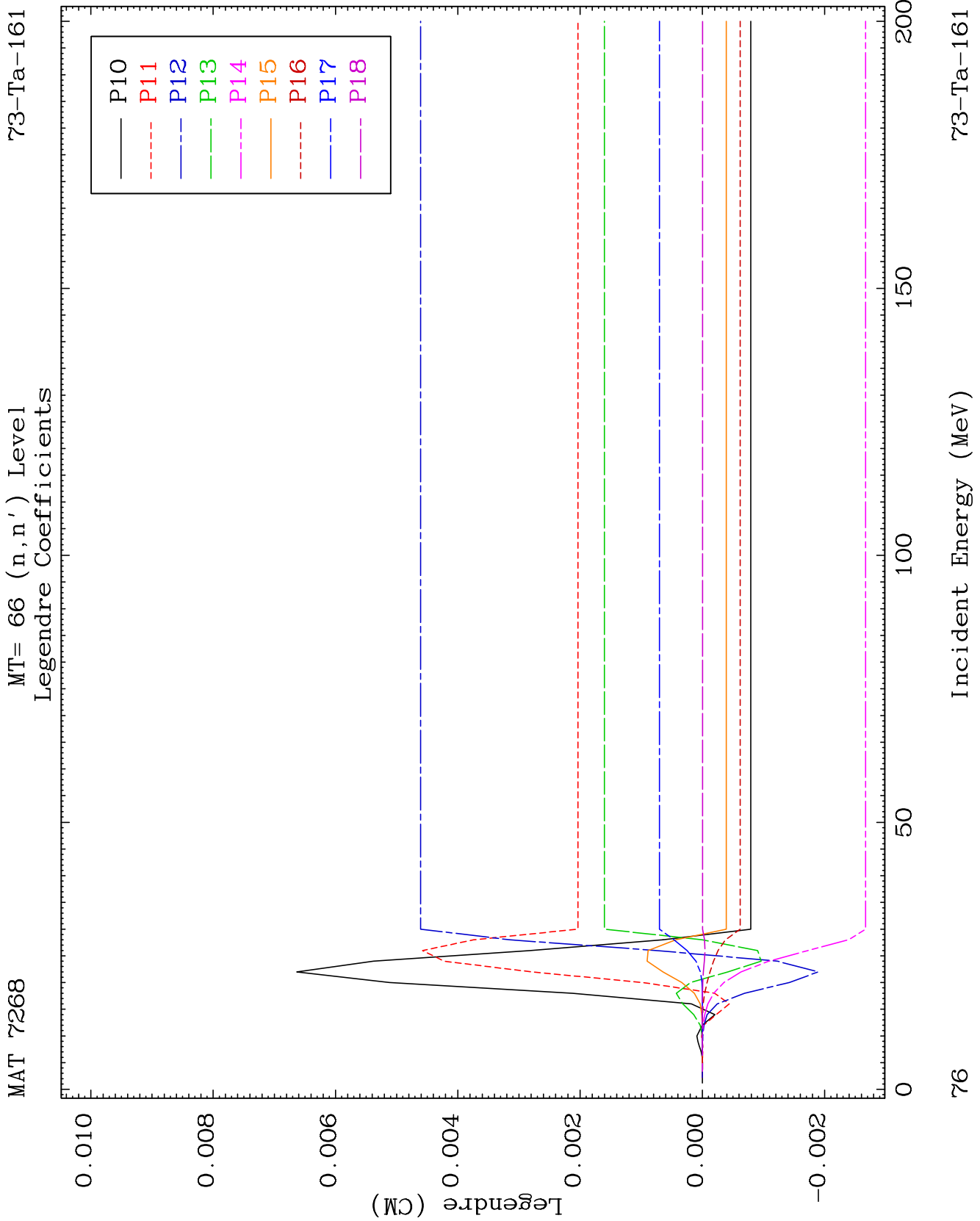
73-Ta-161

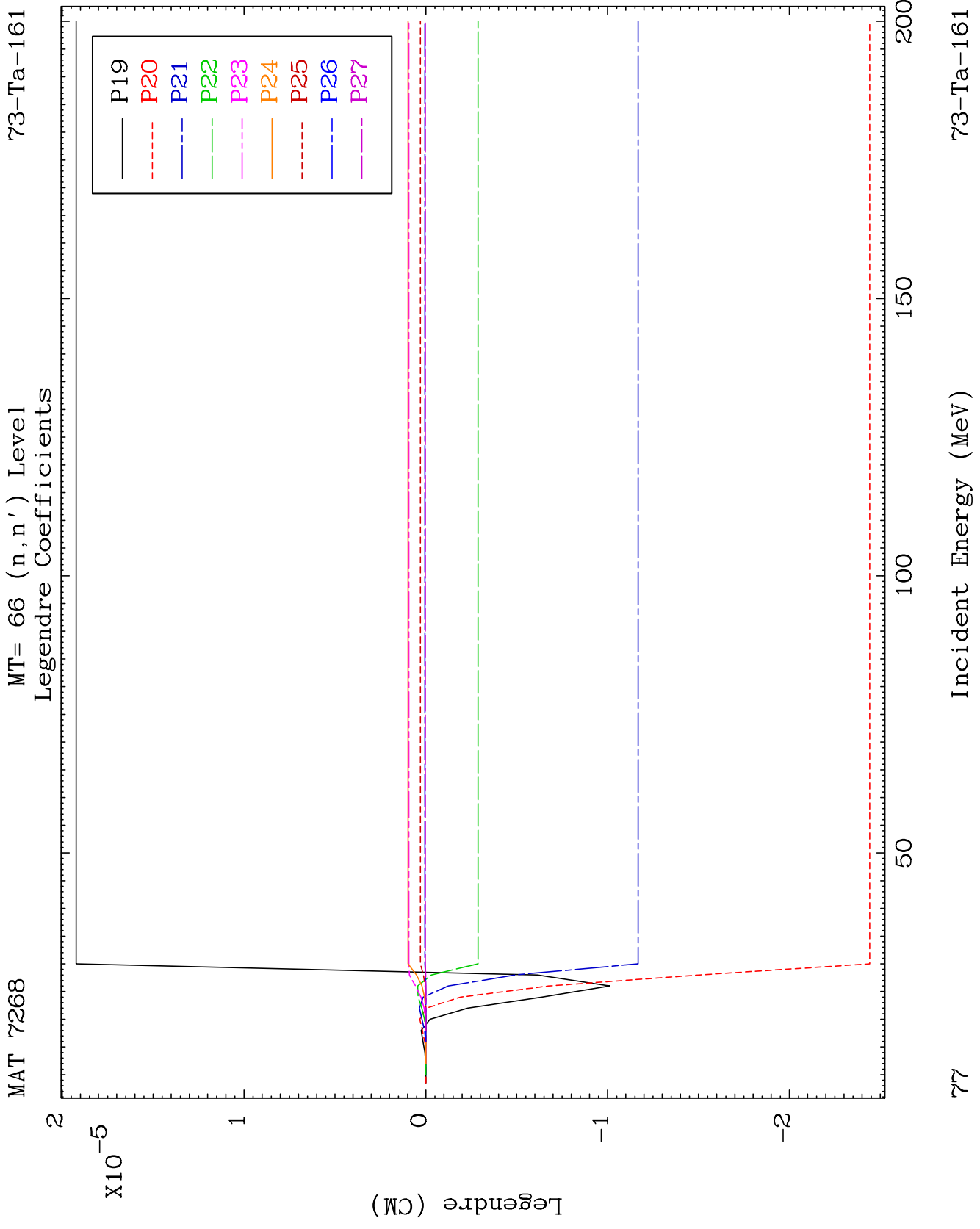


73-Ta-161

Incident Energy (MeV)

75

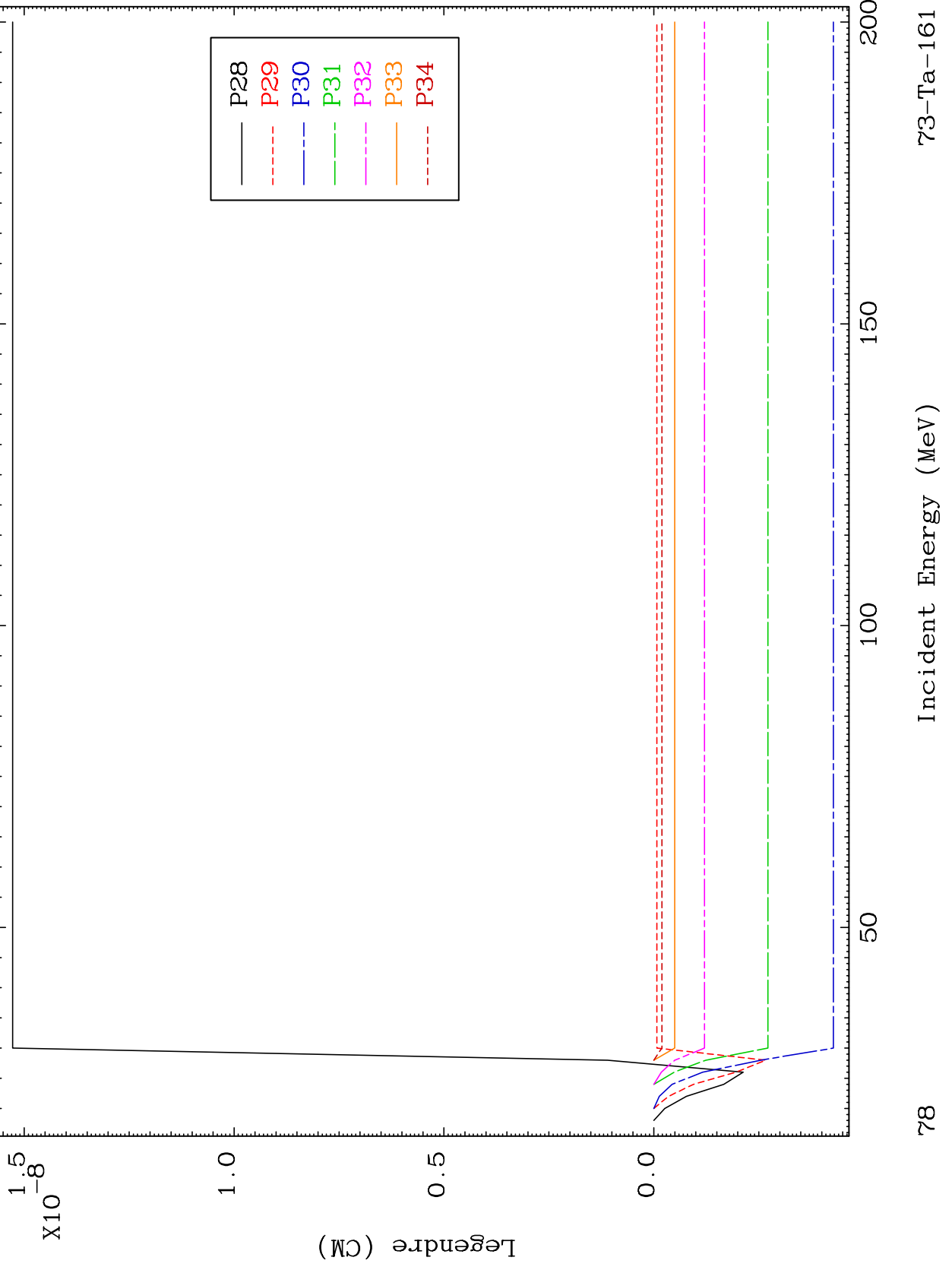




MAT 7268

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

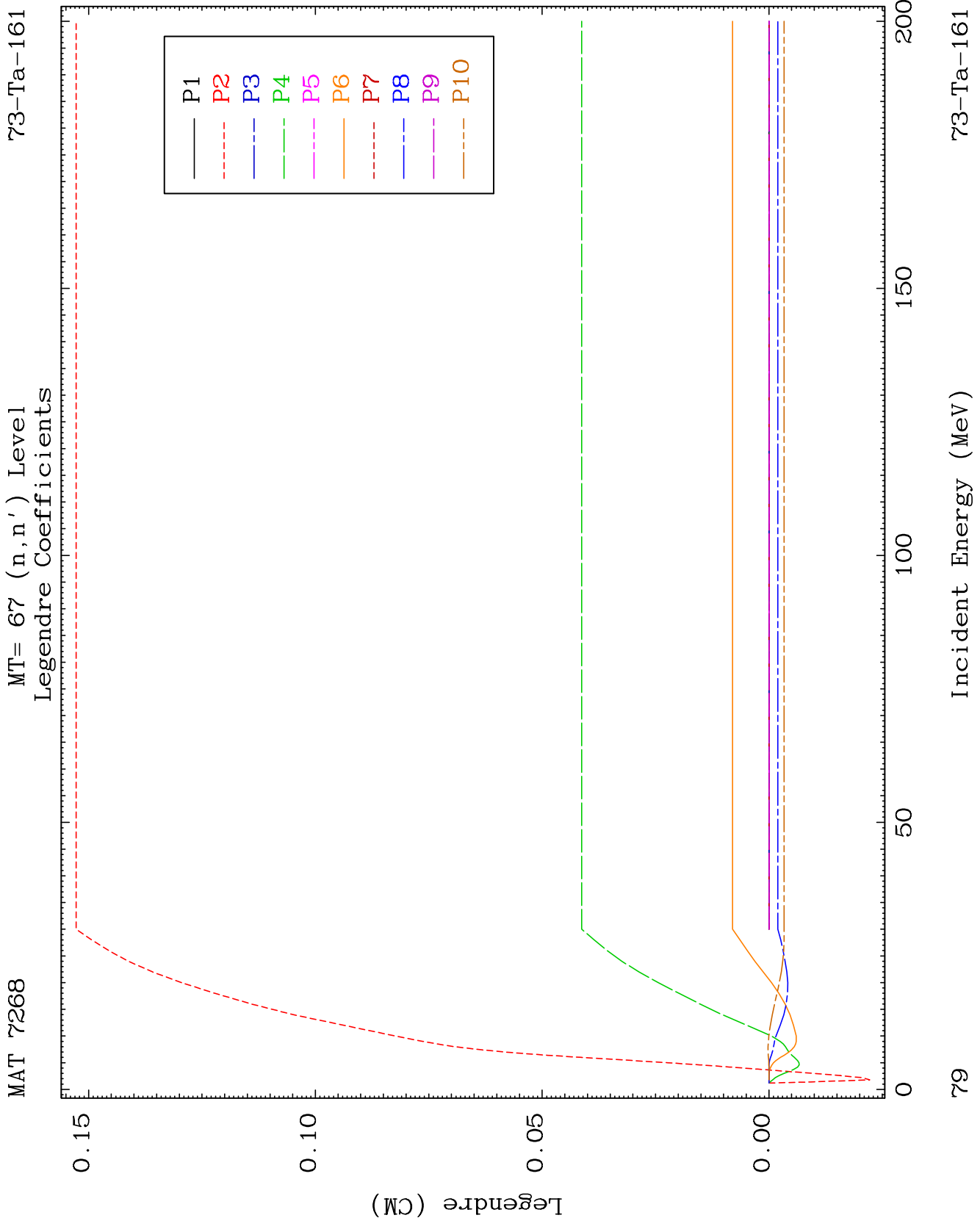
73-Ta-161



78

Incident Energy (MeV)

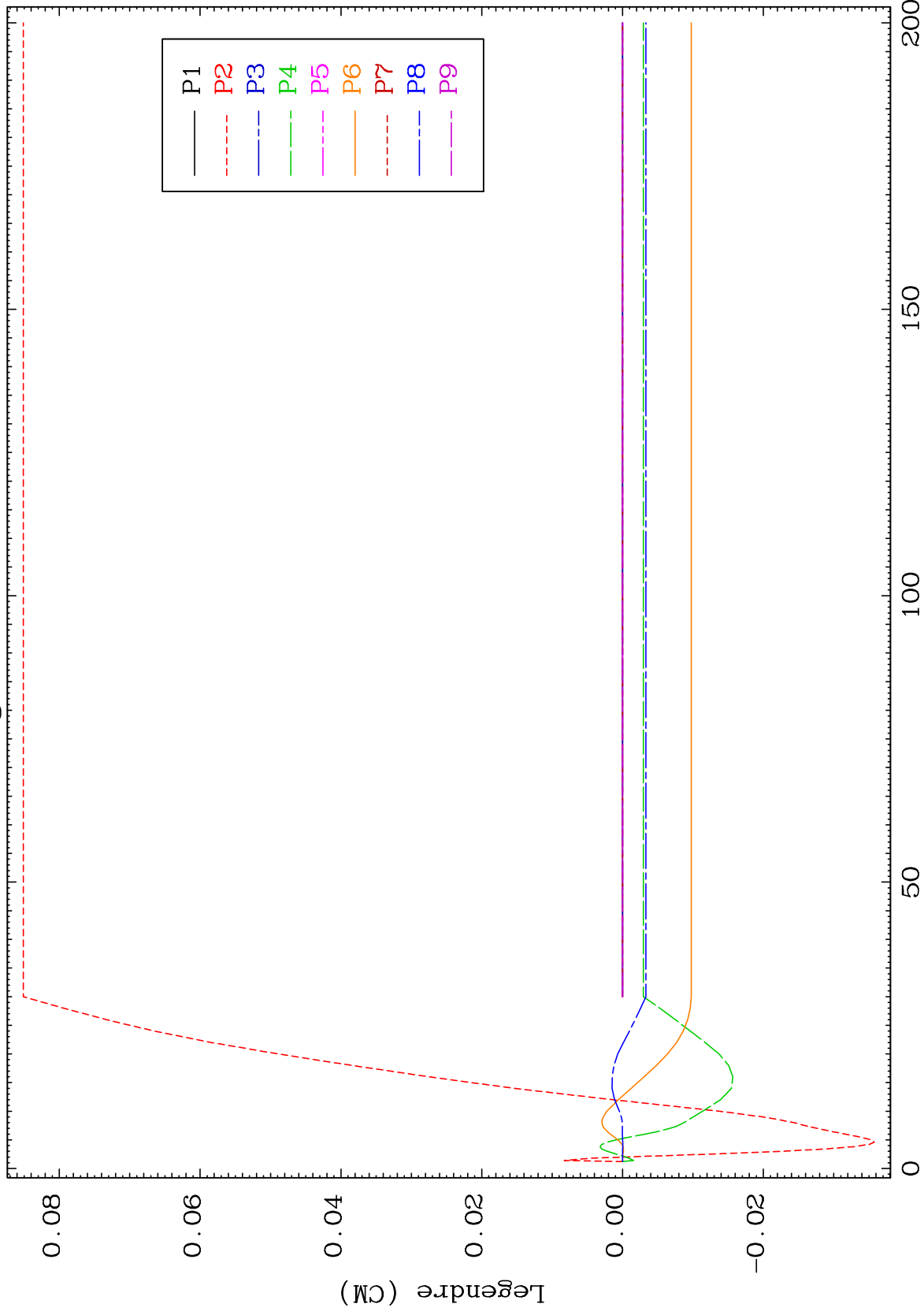
73-Ta-161



MAT 7268

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

73-Ta-161



82

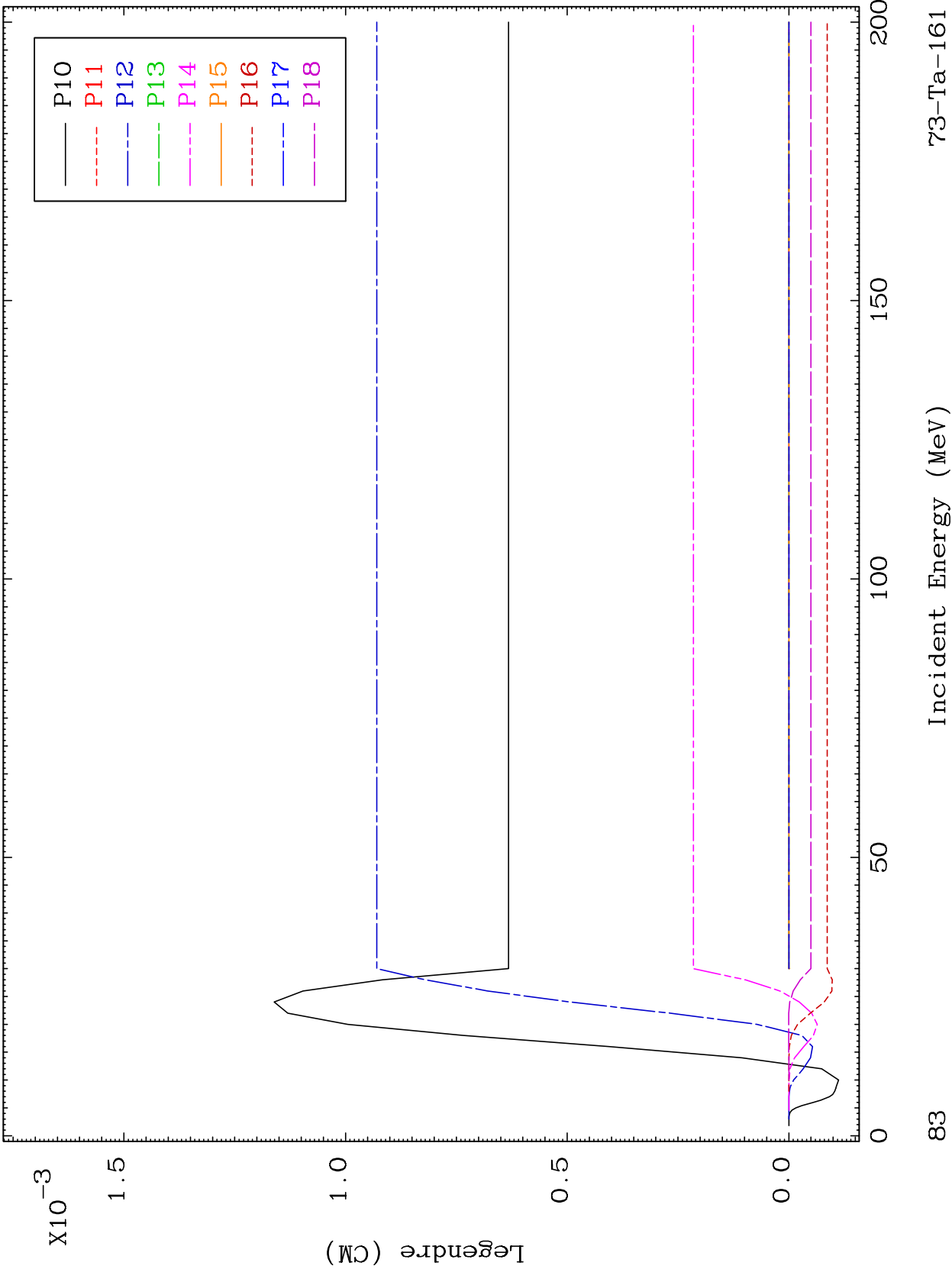
Incident Energy (MeV)

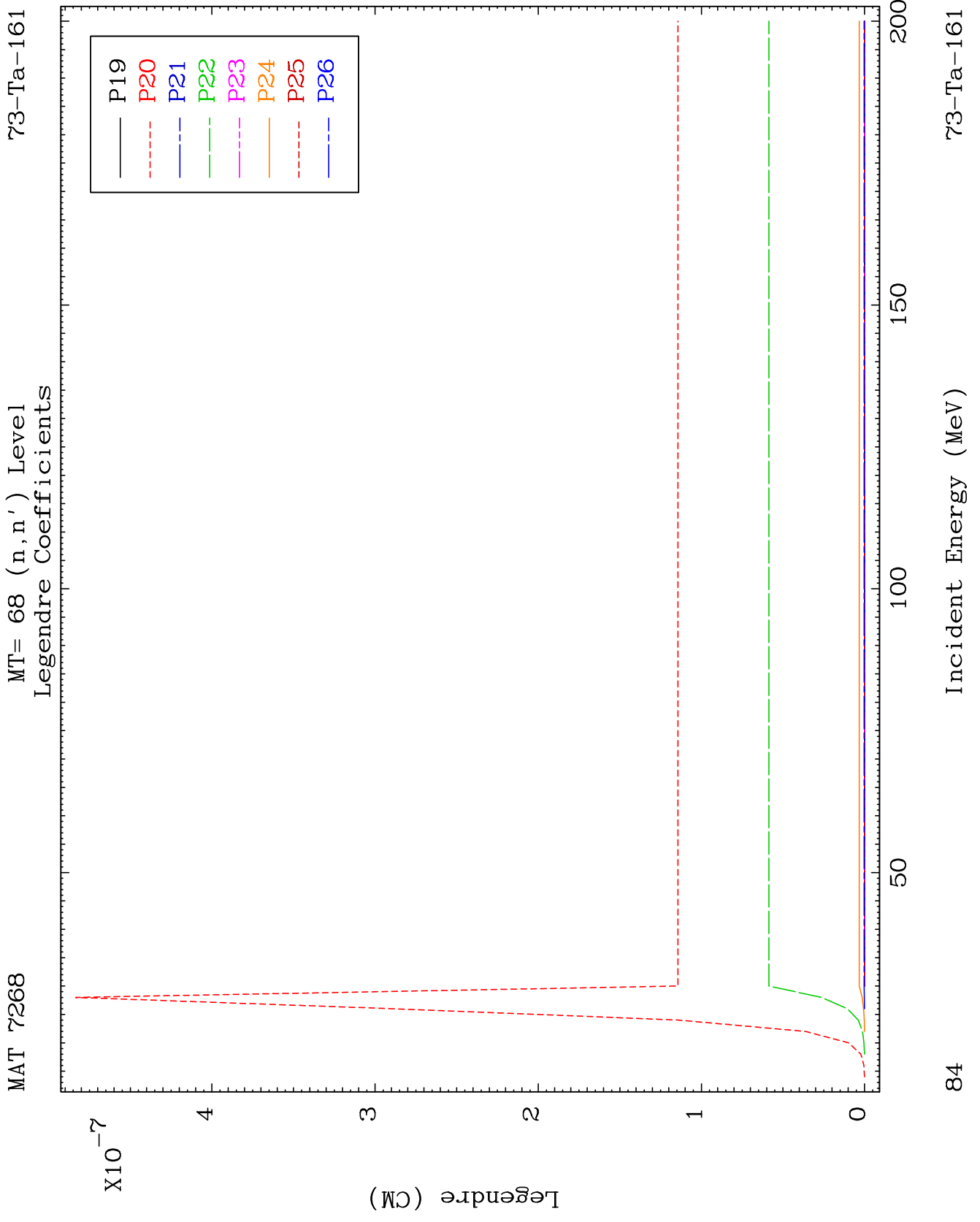
73-Ta-161

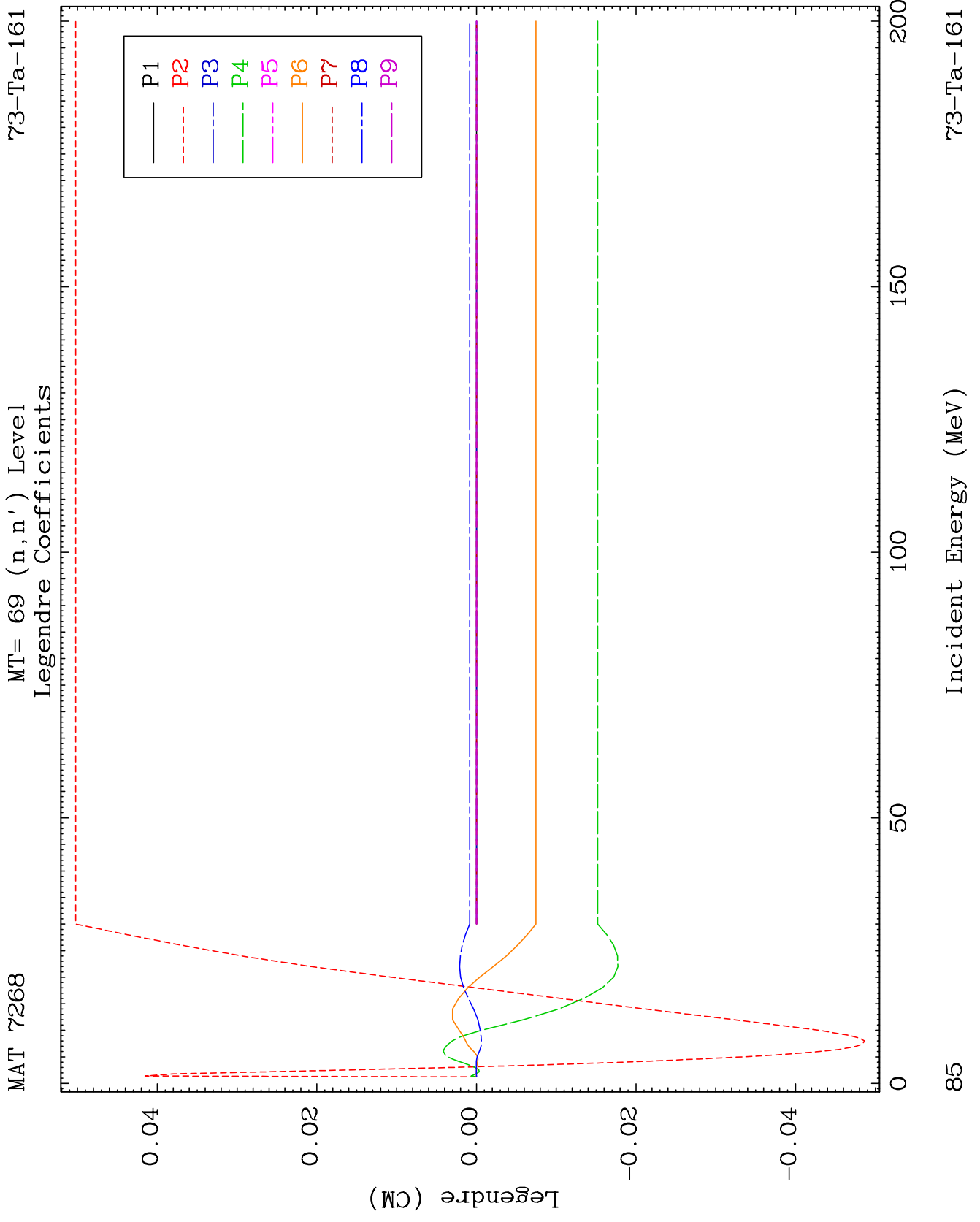
MAT 7268

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

73-Ta-161



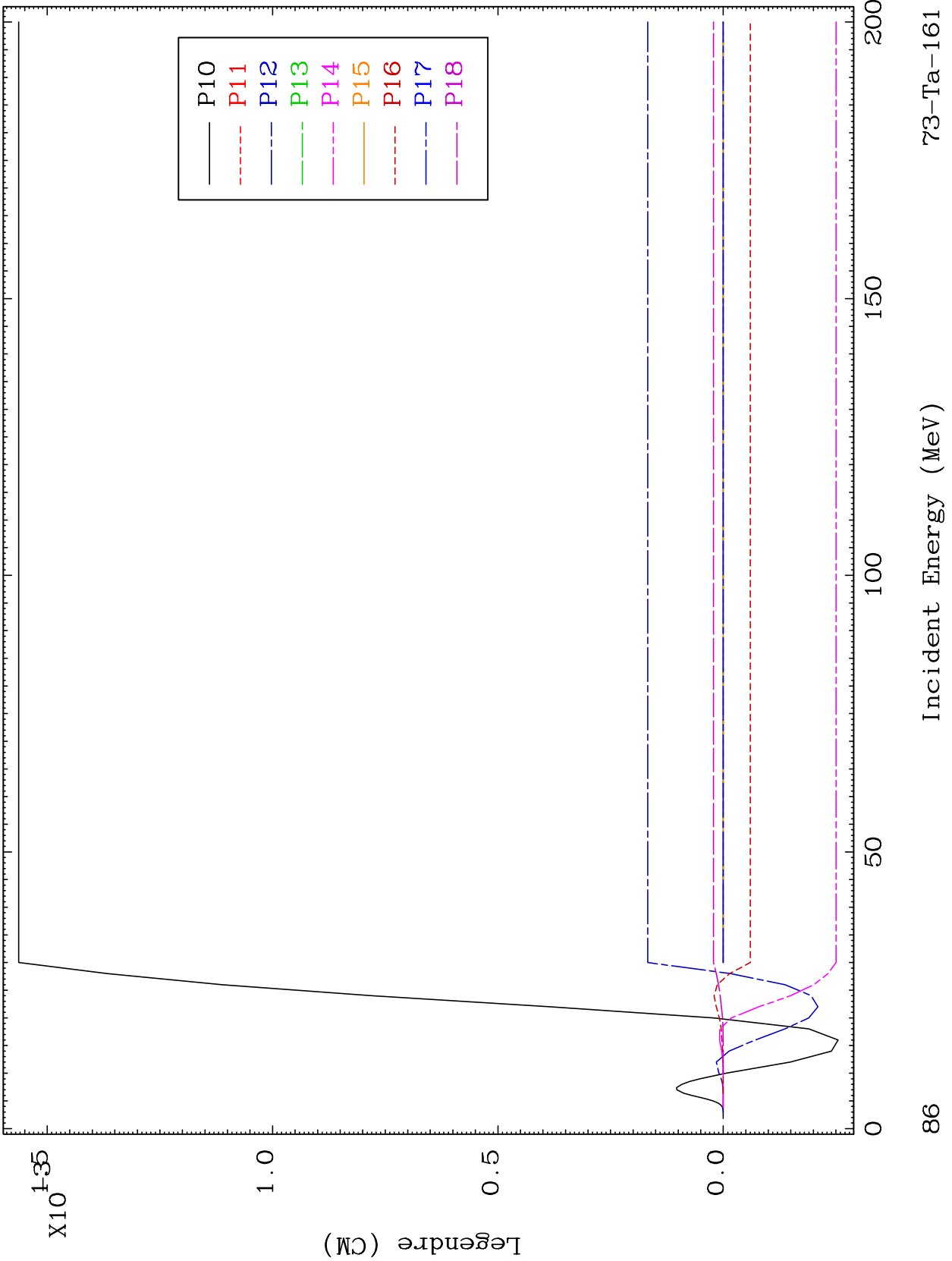




MAT 7268

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

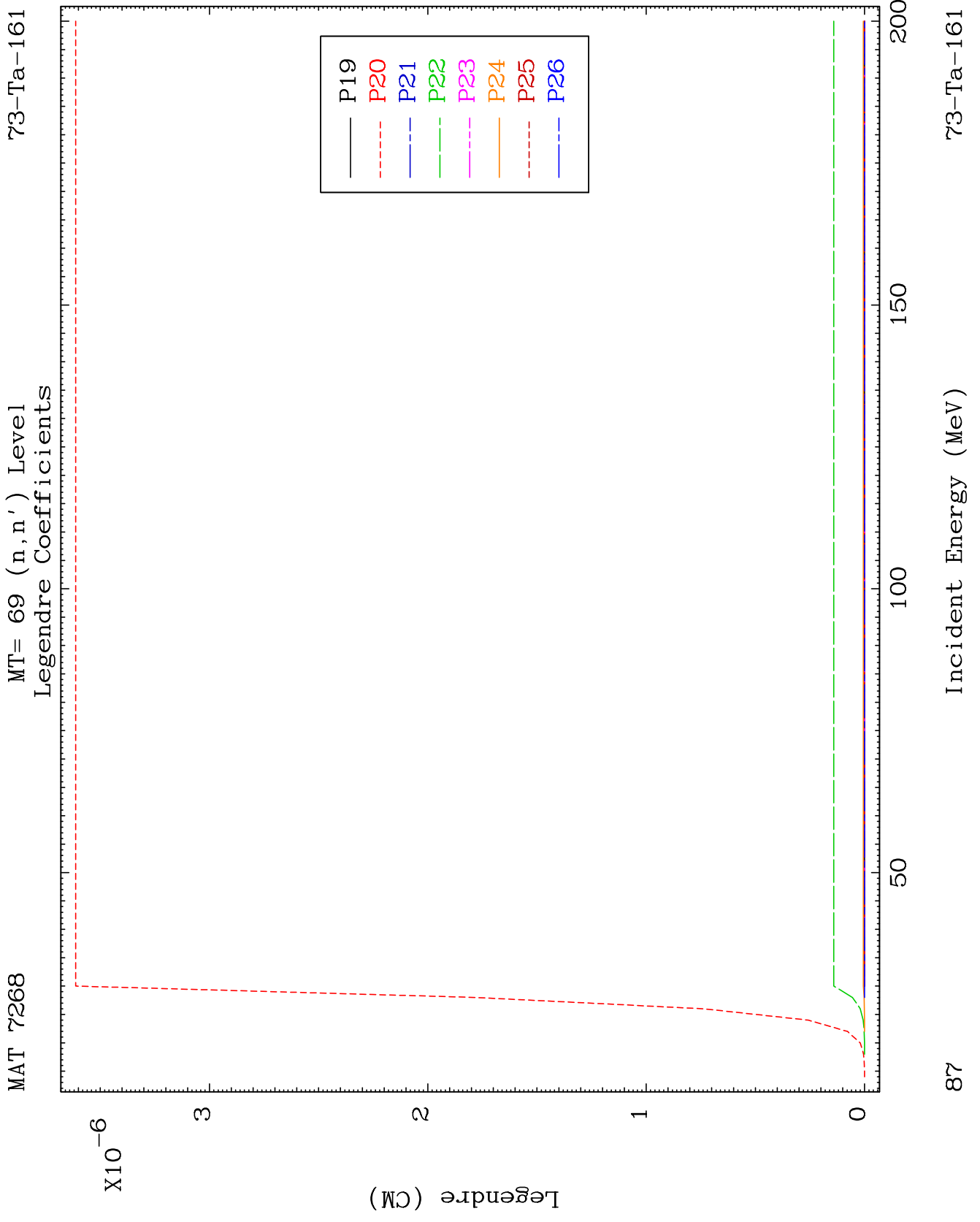
73-Ta-161

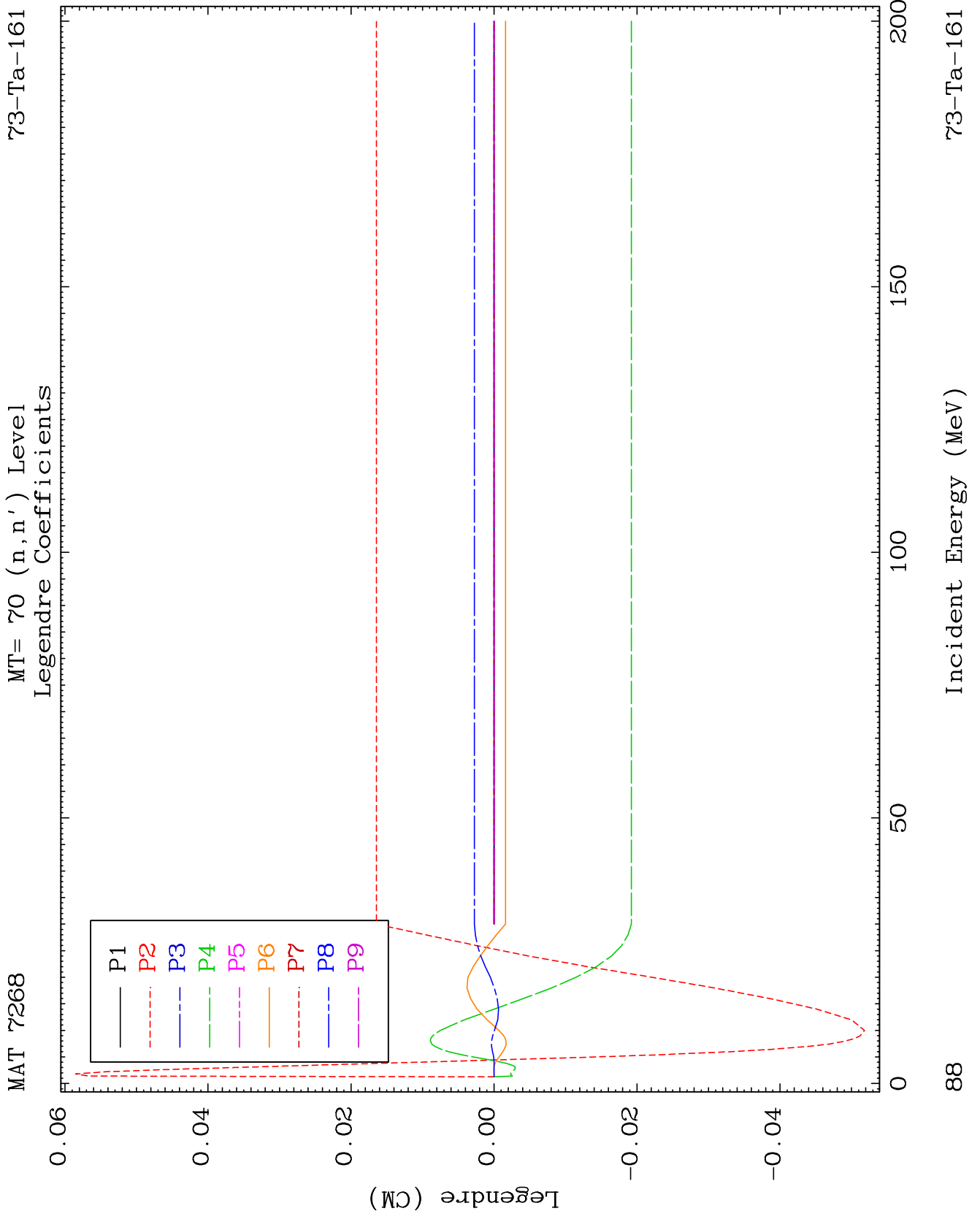


86

Incident Energy (MeV)

73-Ta-161

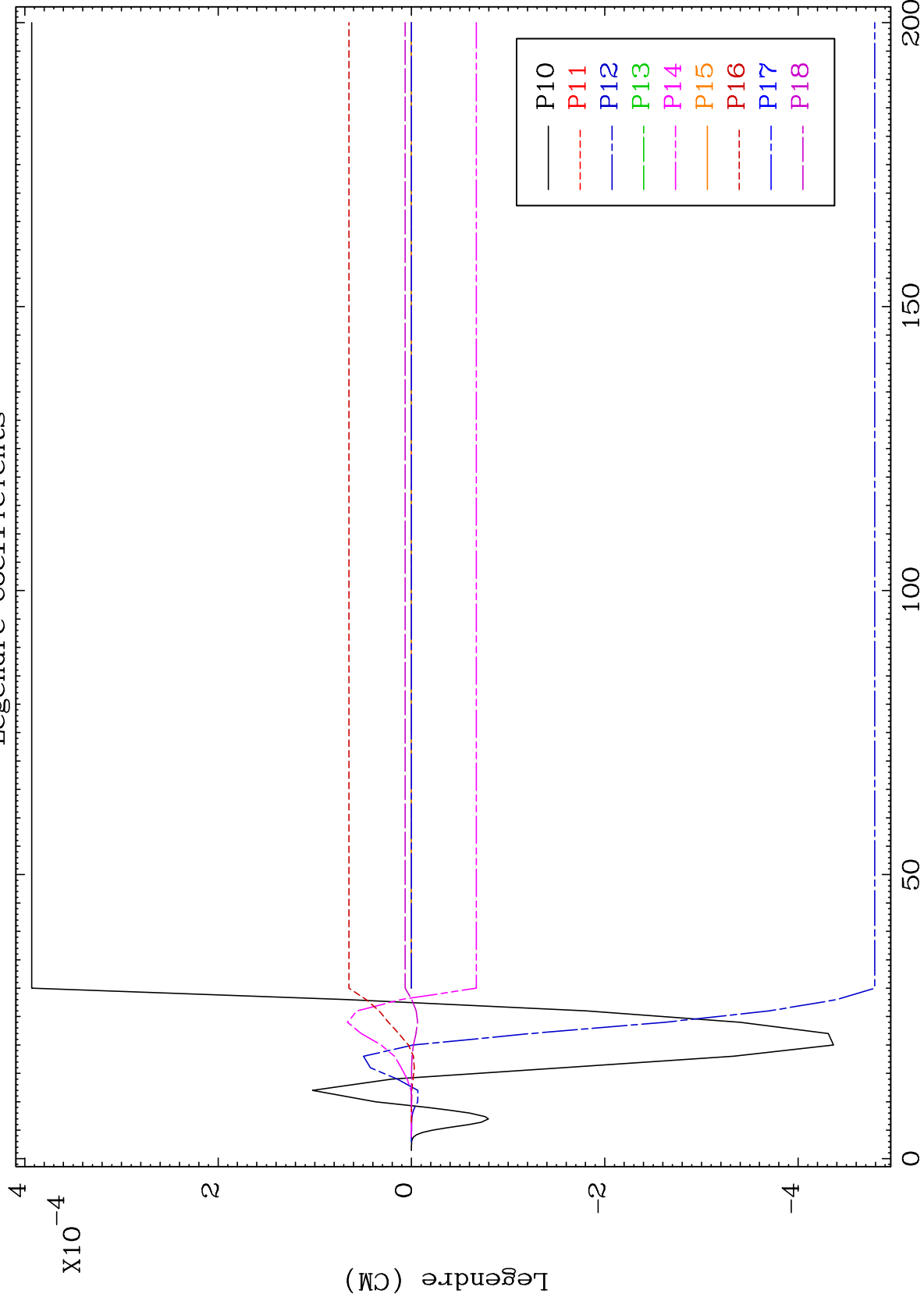




MAT 7268

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

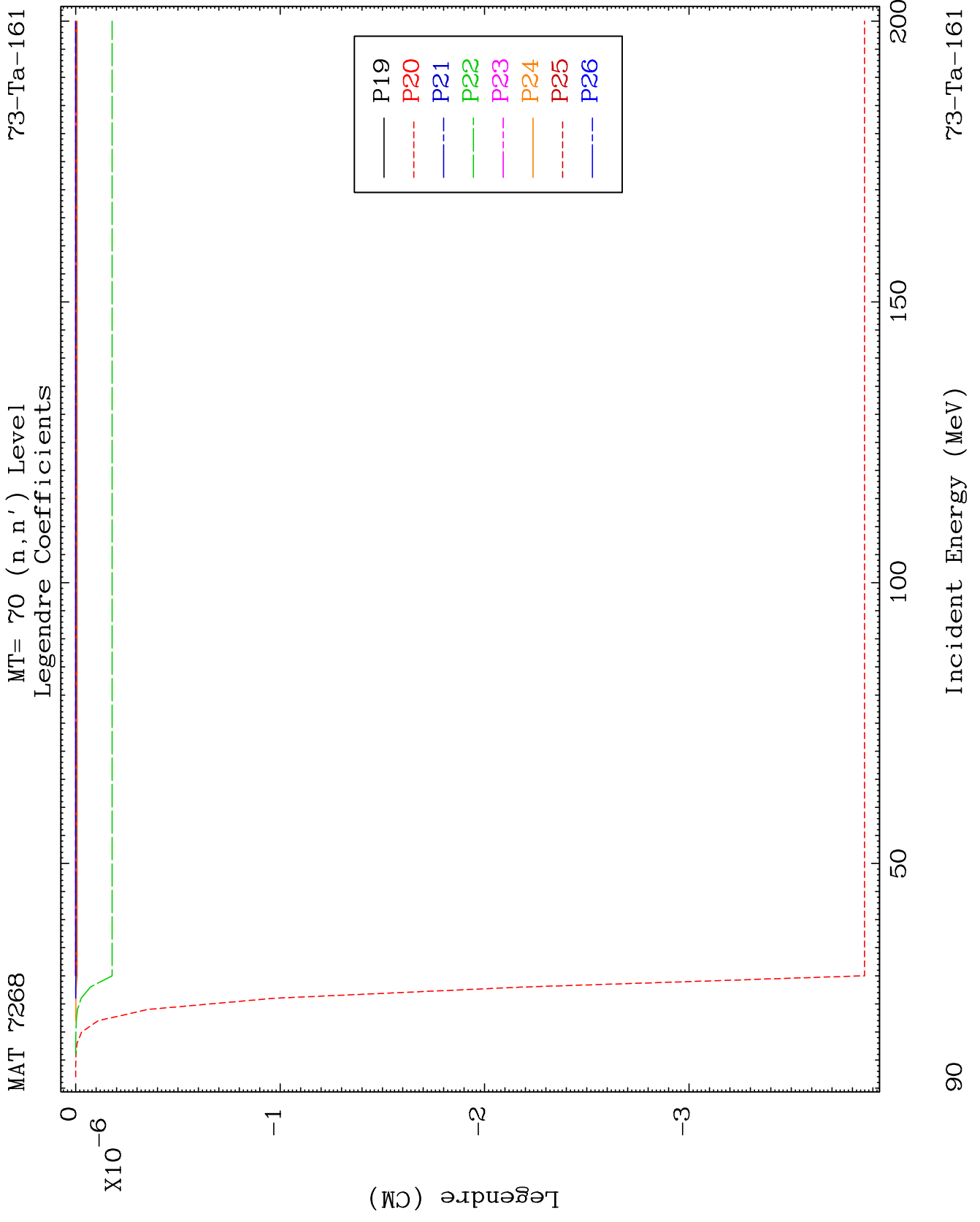
73-Ta-161

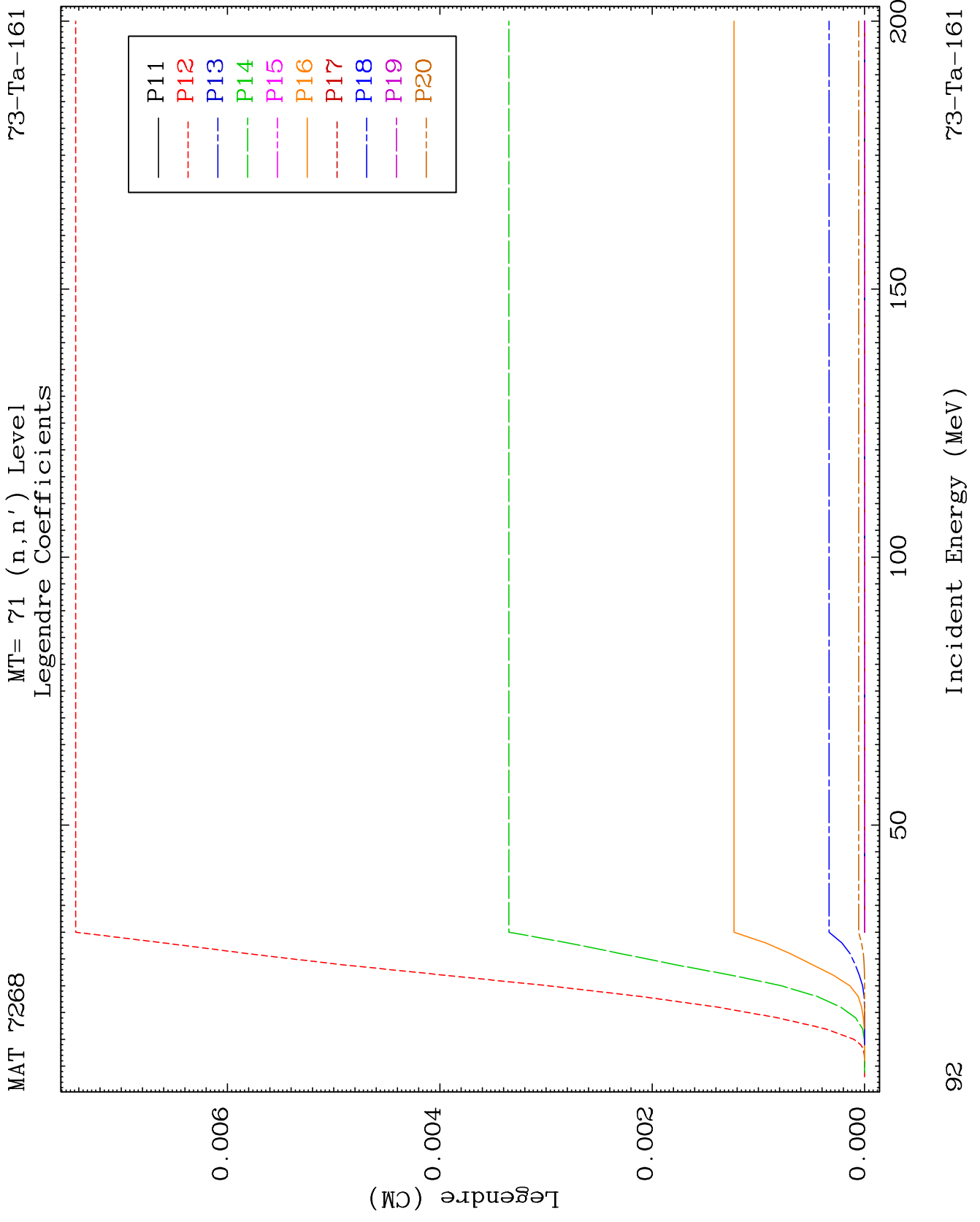


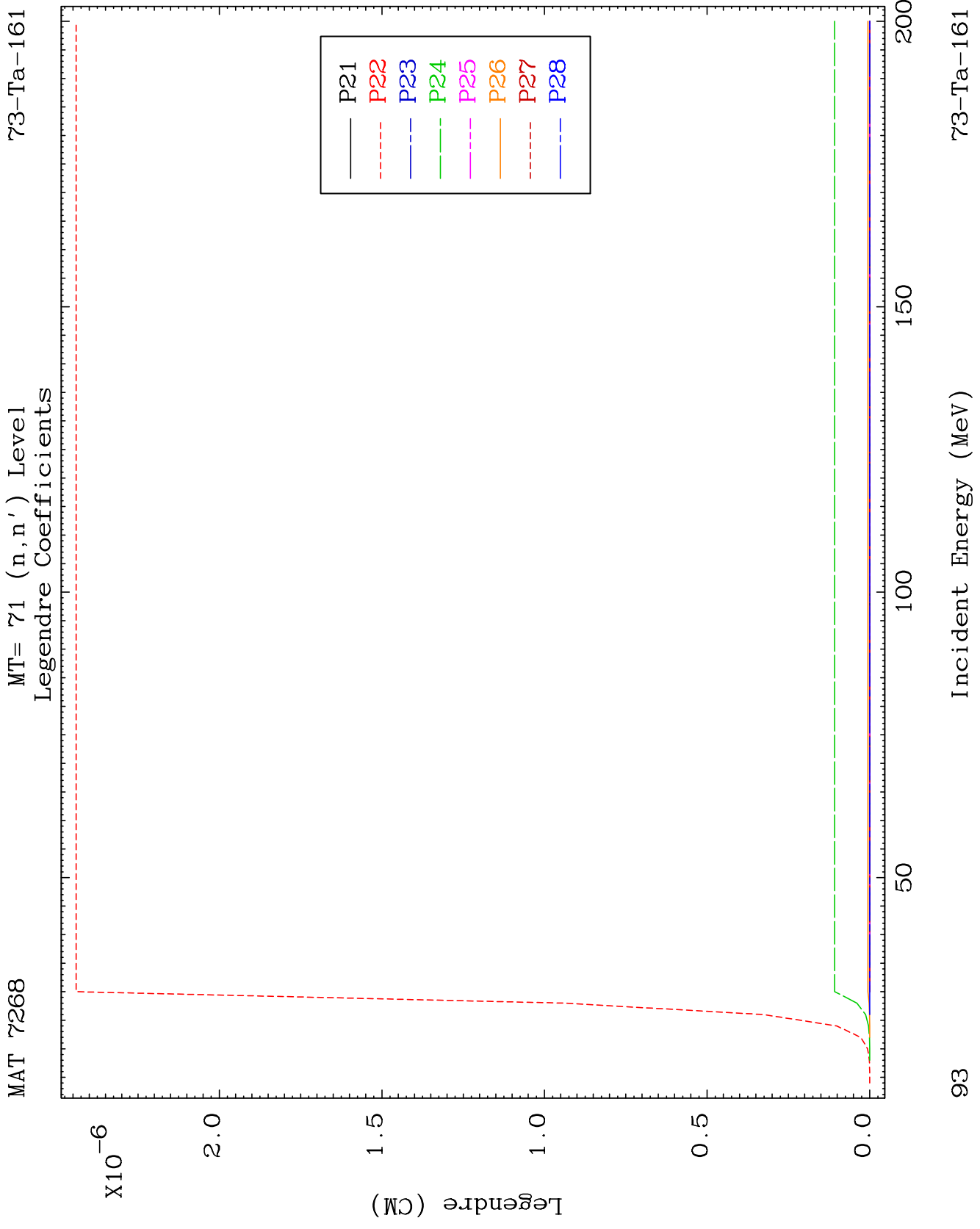
89

Incident Energy (MeV)

73-Ta-161



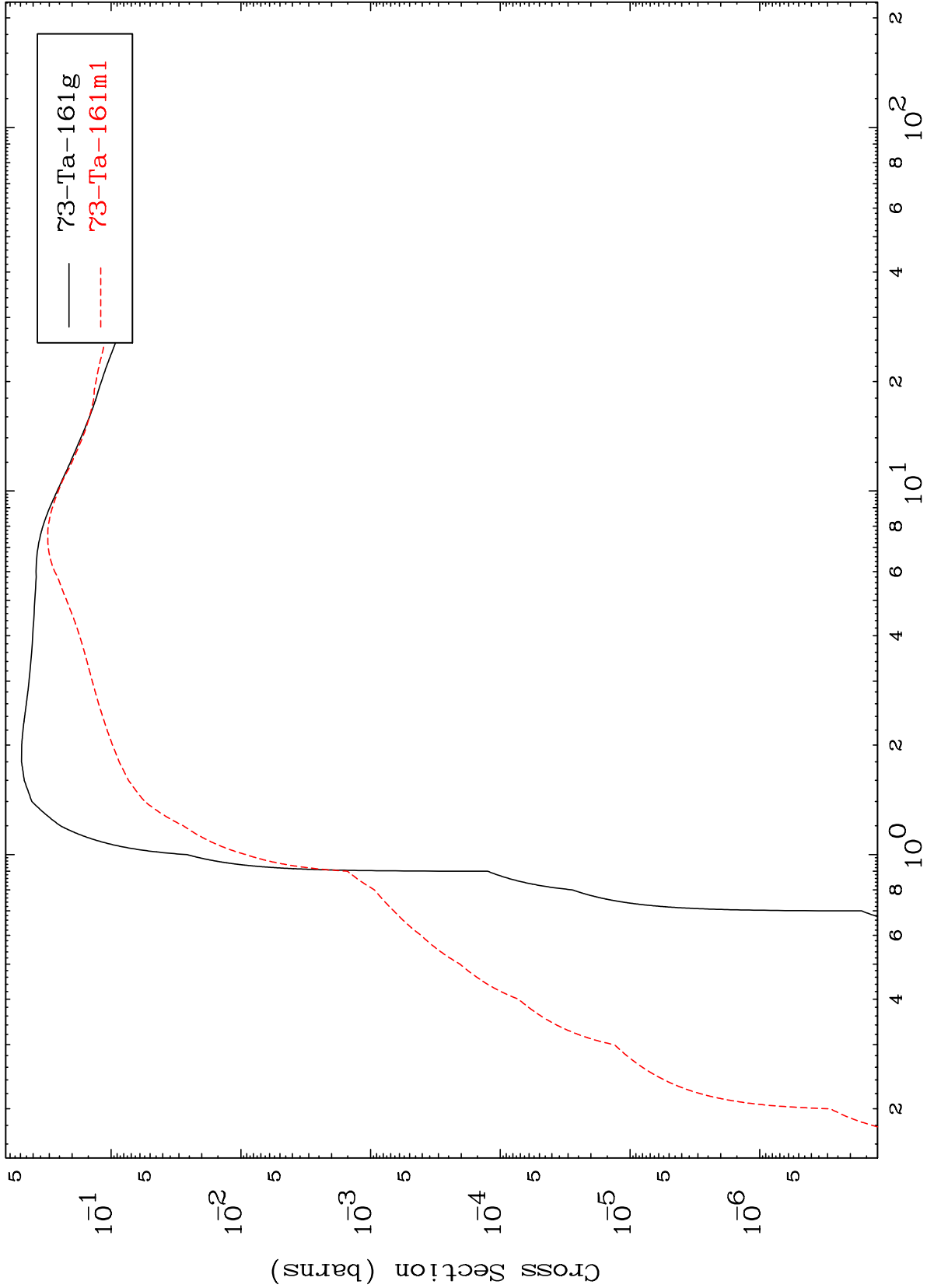




MAT 7268

⁷³Ta-161

Inelastic
Radionuclide Production Cross Section



94

Incident Energy (MeV)

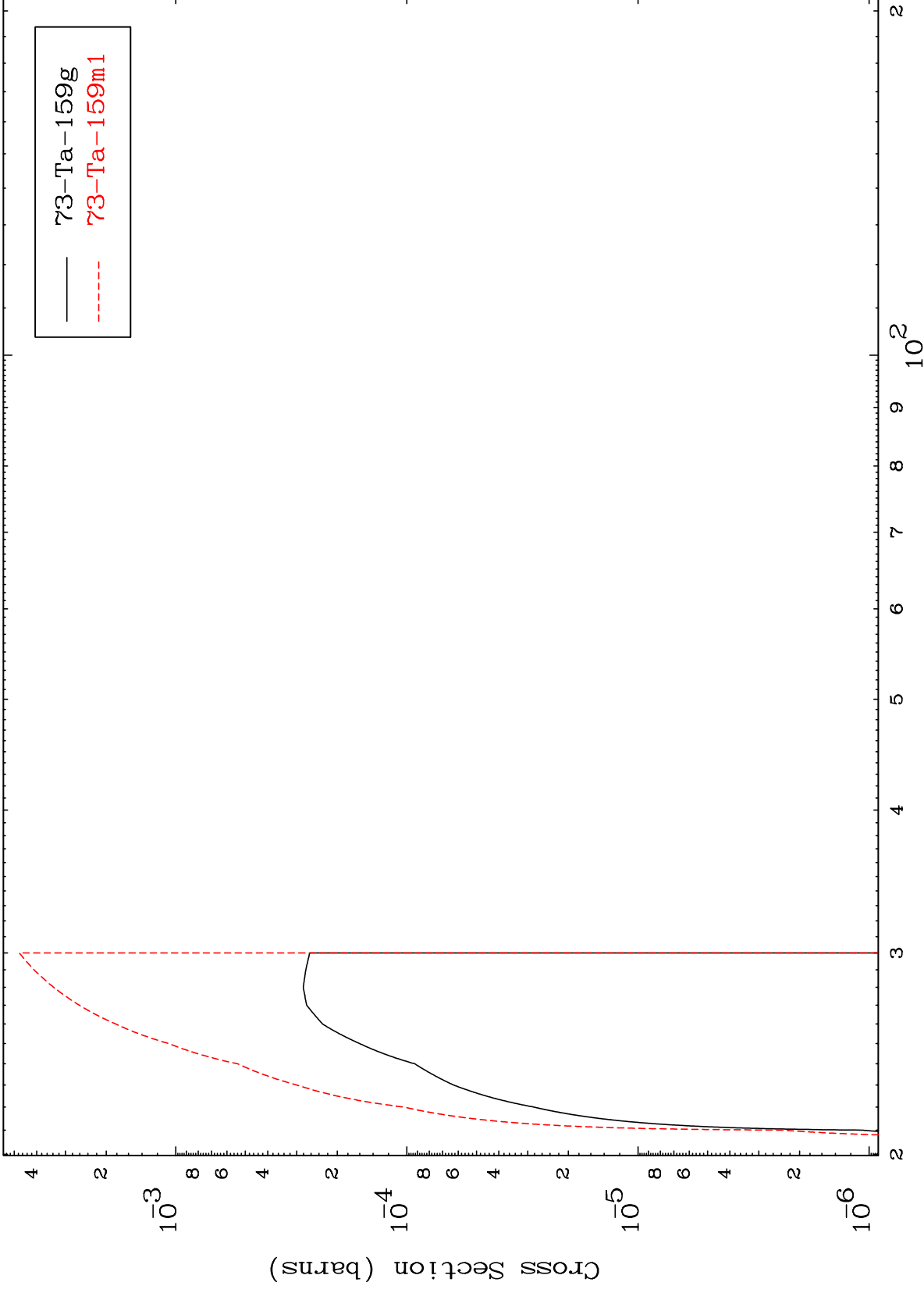
⁷³Ta-161

MAT 7268

(n,3n)

⁷³Ta-161

Radionuclide Production Cross Section



95

Incident Energy (MeV)

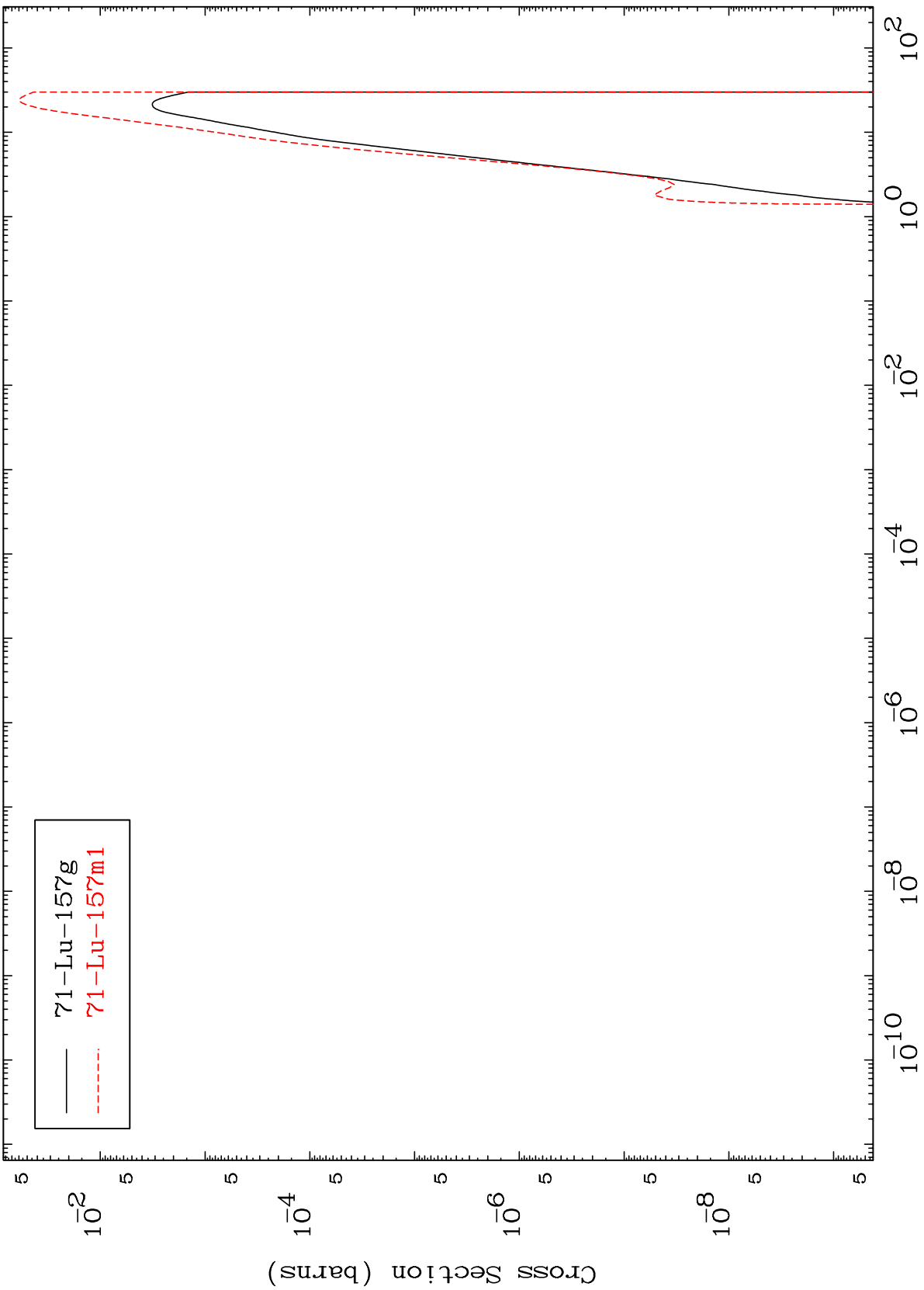
⁷³Ta-161

MAT 7268

$(n, n') \alpha$

73-Ta-161

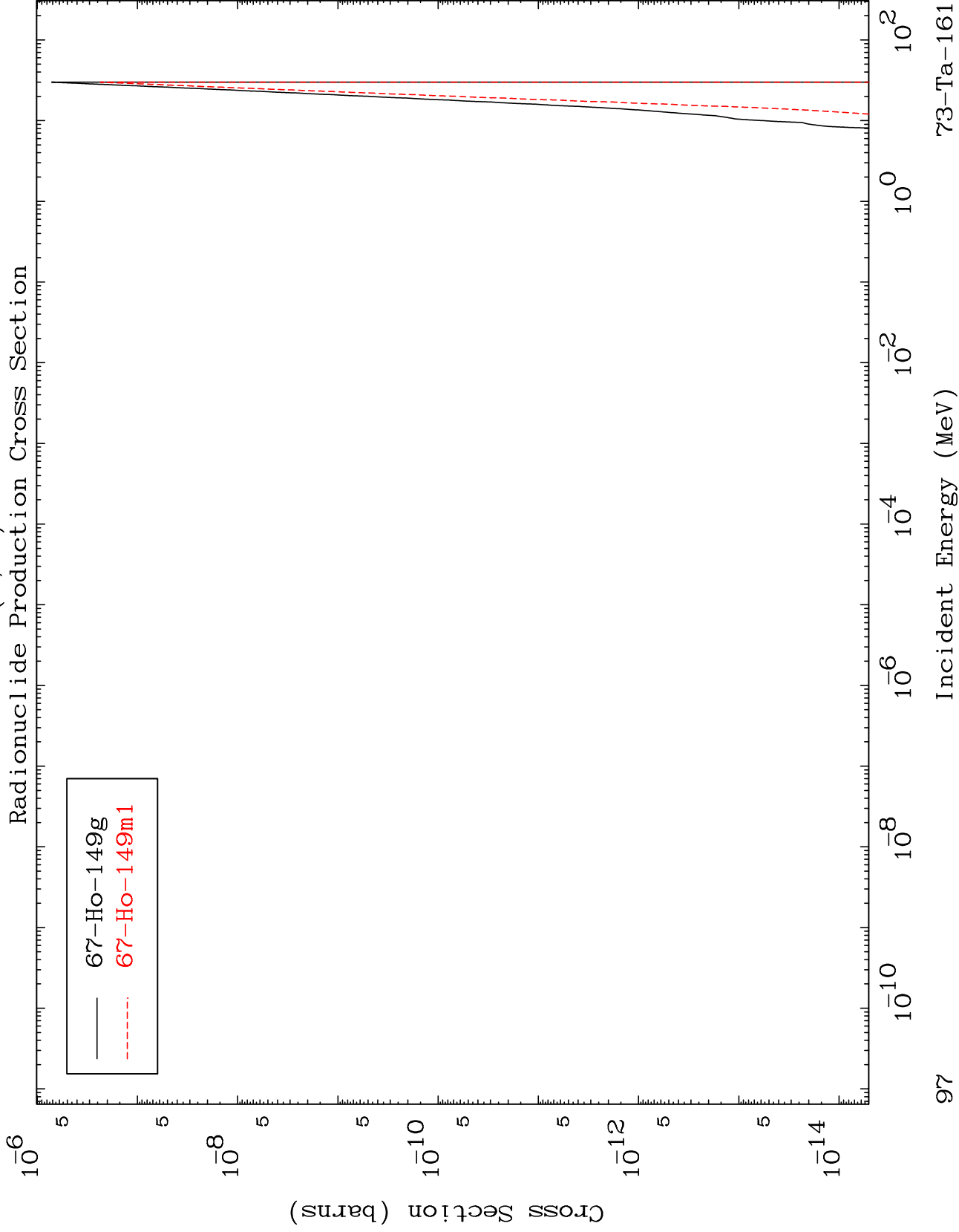
Radionuclide Production Cross Section



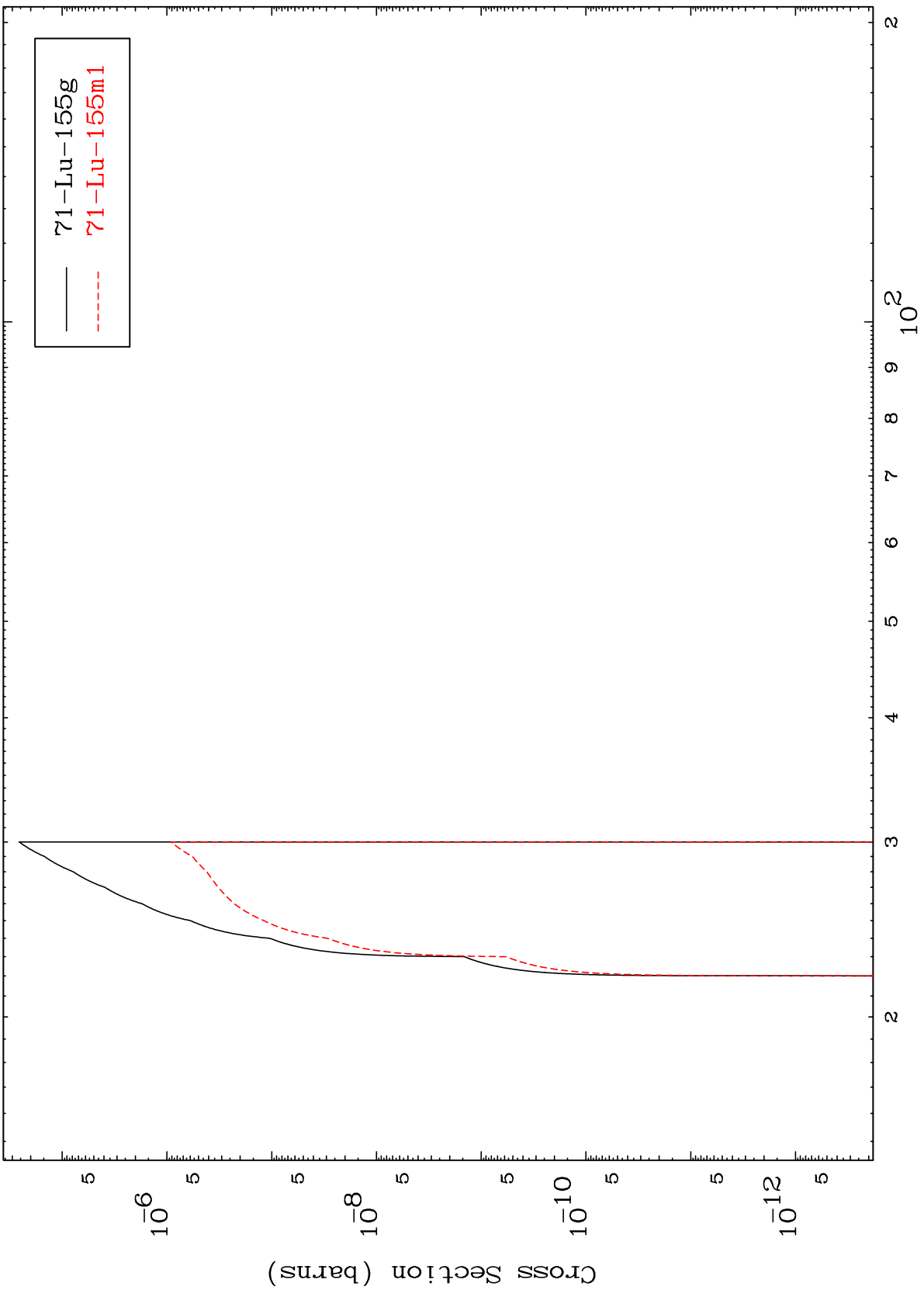
MAT 7268

(n,n') 3 α

⁷³Ta-161



Radionuclide Production Cross Section

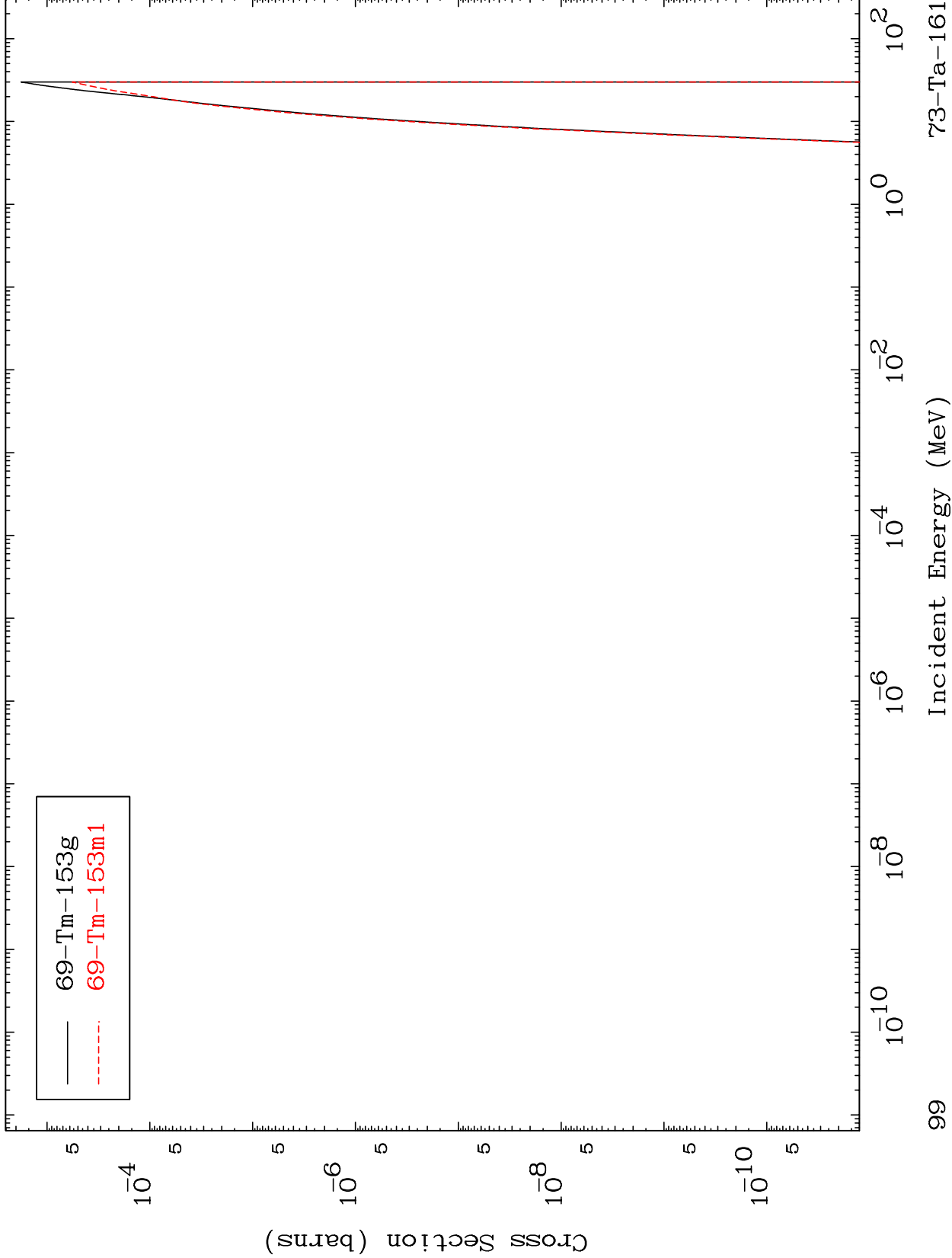


MAT 7268

(n,n') 2α

73-Ta-161

Radionuclide Production Cross Section



99

Incident Energy (MeV)

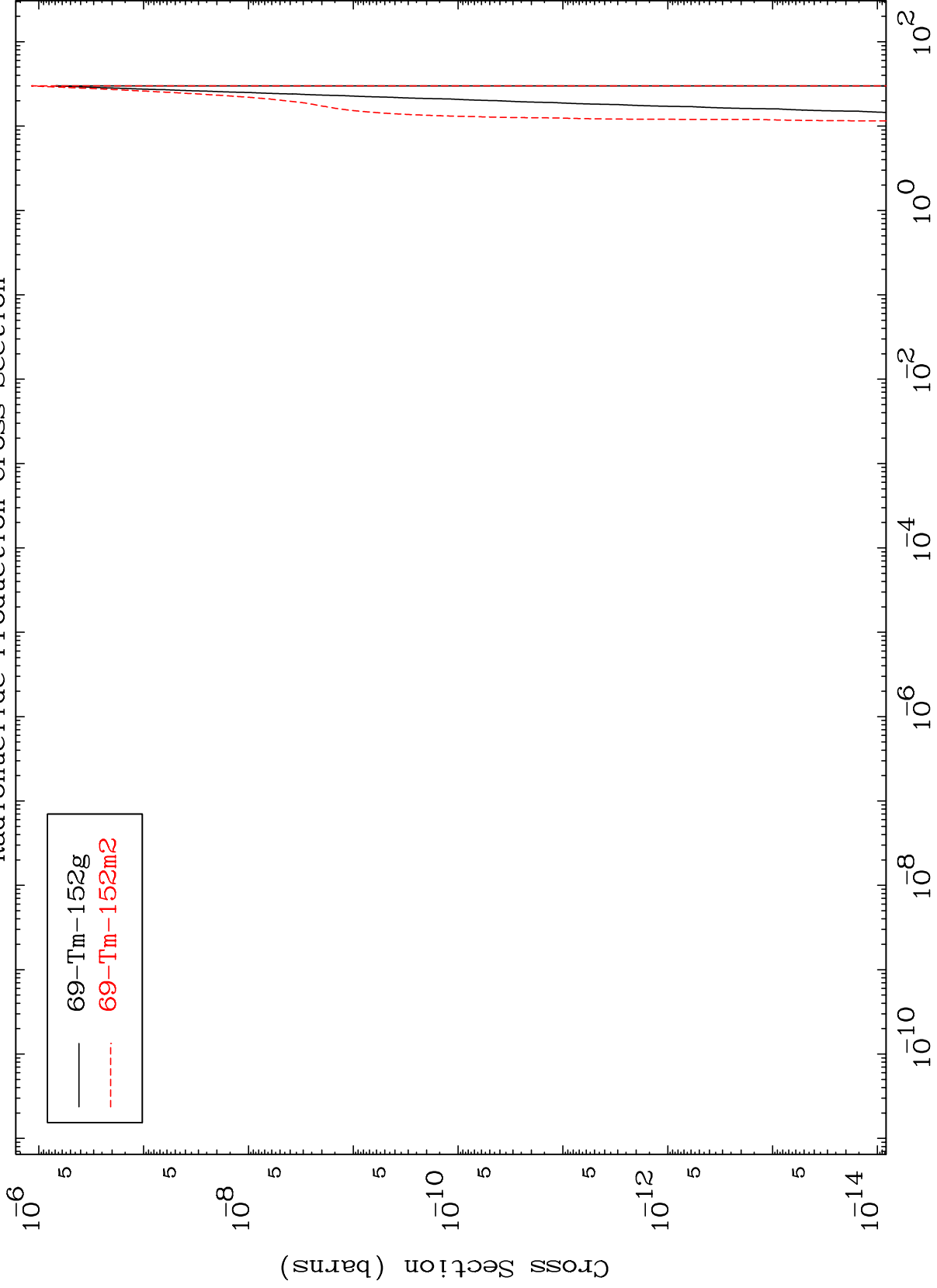
73-Ta-161

MAT 7268

(n,2n) 2α

73-Ta-161

Radionuclide Production Cross Section



69-Tm-152g
69-Tm-152m2

100

Incident Energy (MeV)

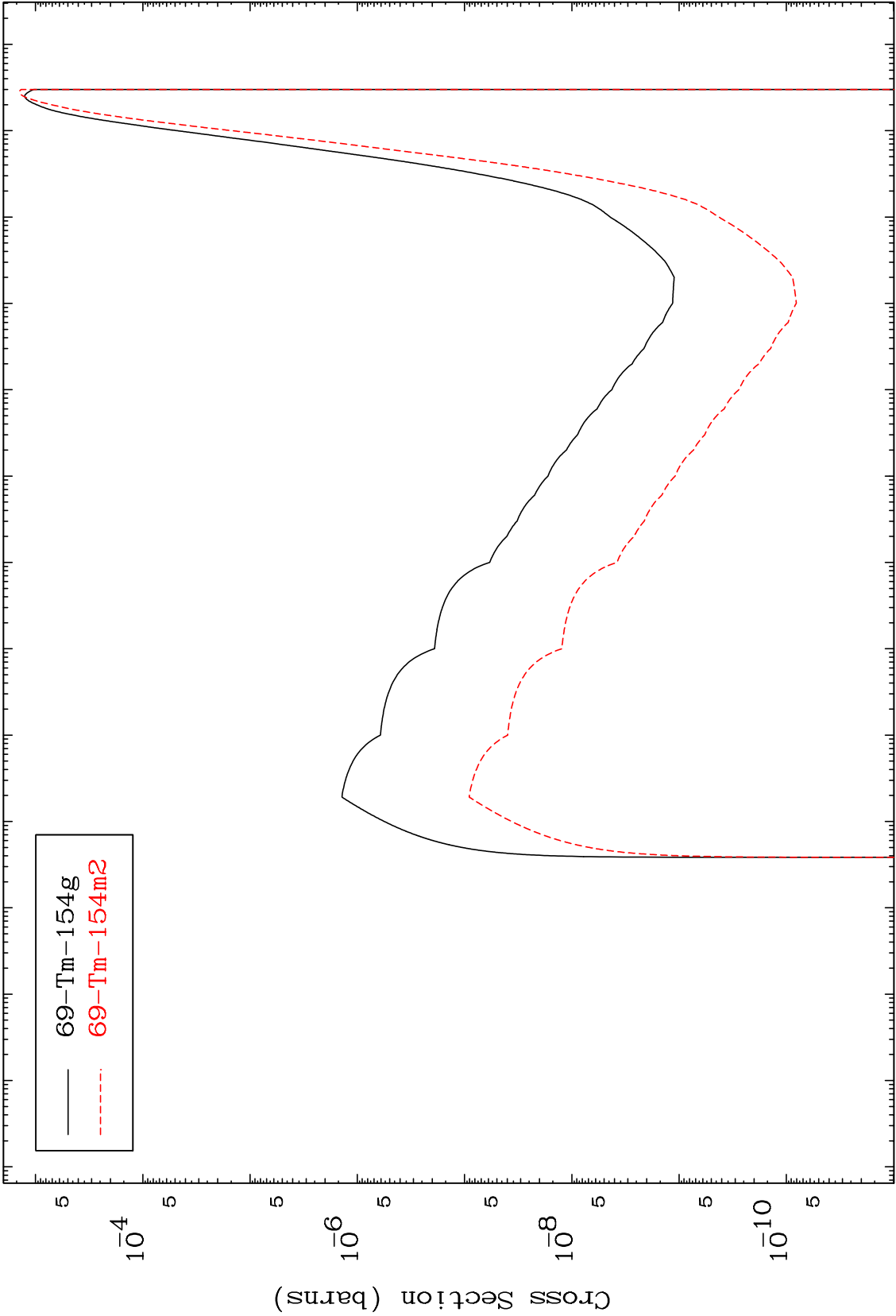
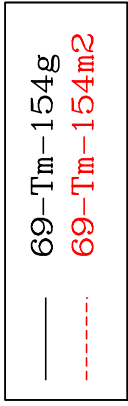
73-Ta-161

MAT 7268

(n,2α)

73-Ta-161

Radionuclide Production Cross Section



73-Ta-161

10²

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

5

Incident Energy (MeV)

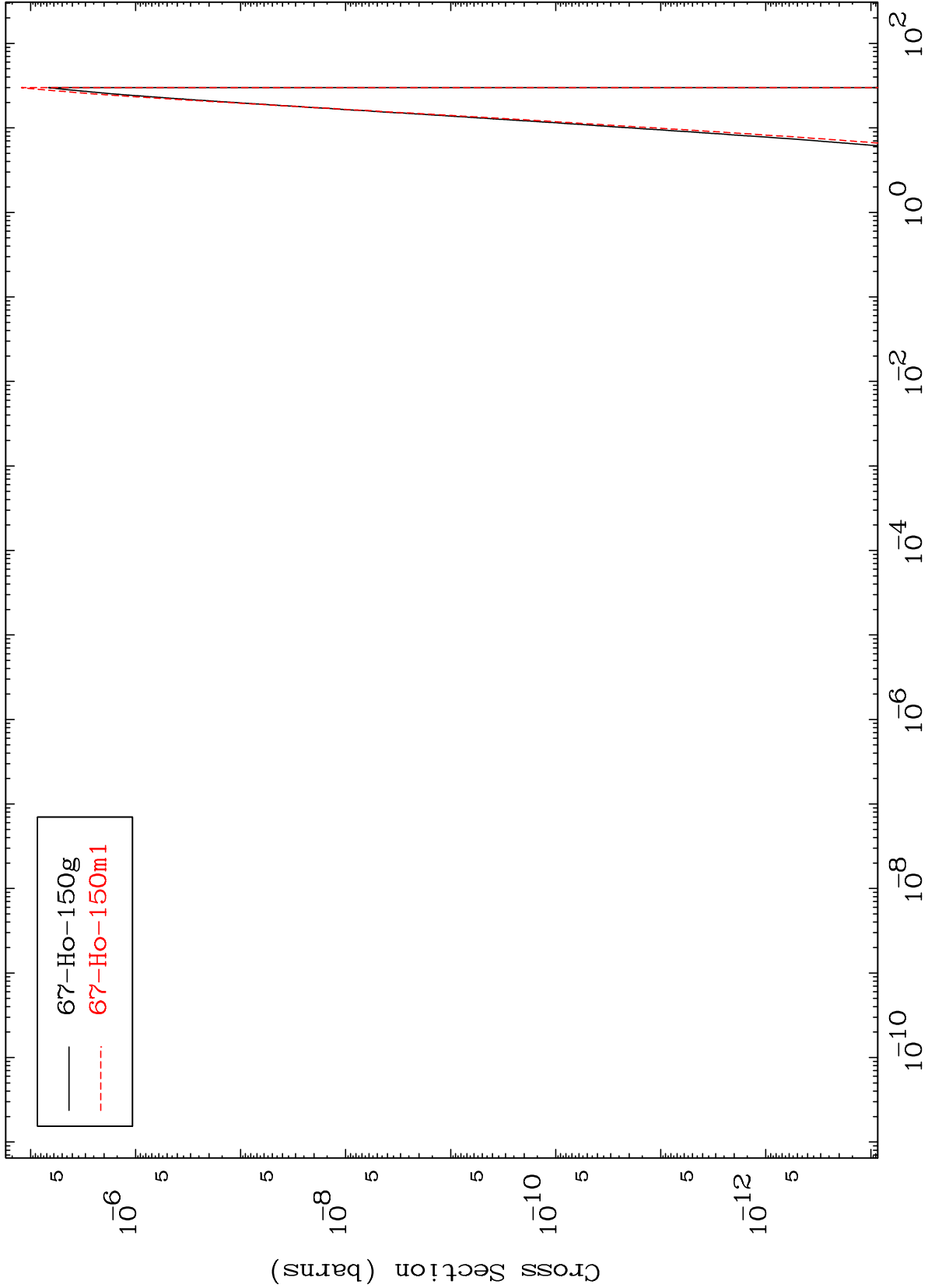
101

MAT 7268

(n, 3α)

73-Ta-161

Radionuclide Production Cross Section



102

Incident Energy (MeV)

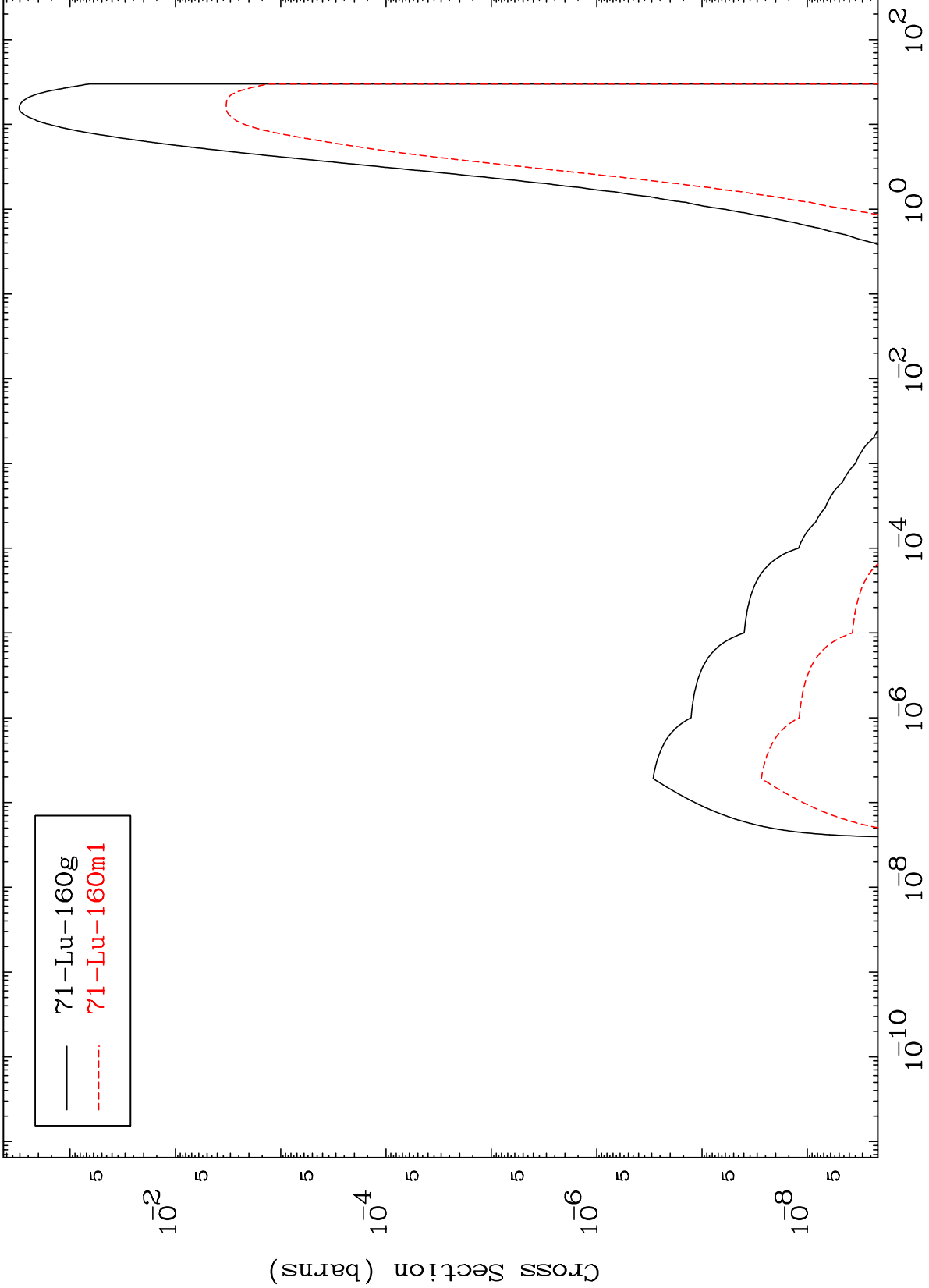
73-Ta-161

MAT 7268

(n,2p)

⁷³Ta-161

Radionuclide Production Cross Section



71-Lu-160g
71-Lu-160m1