

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

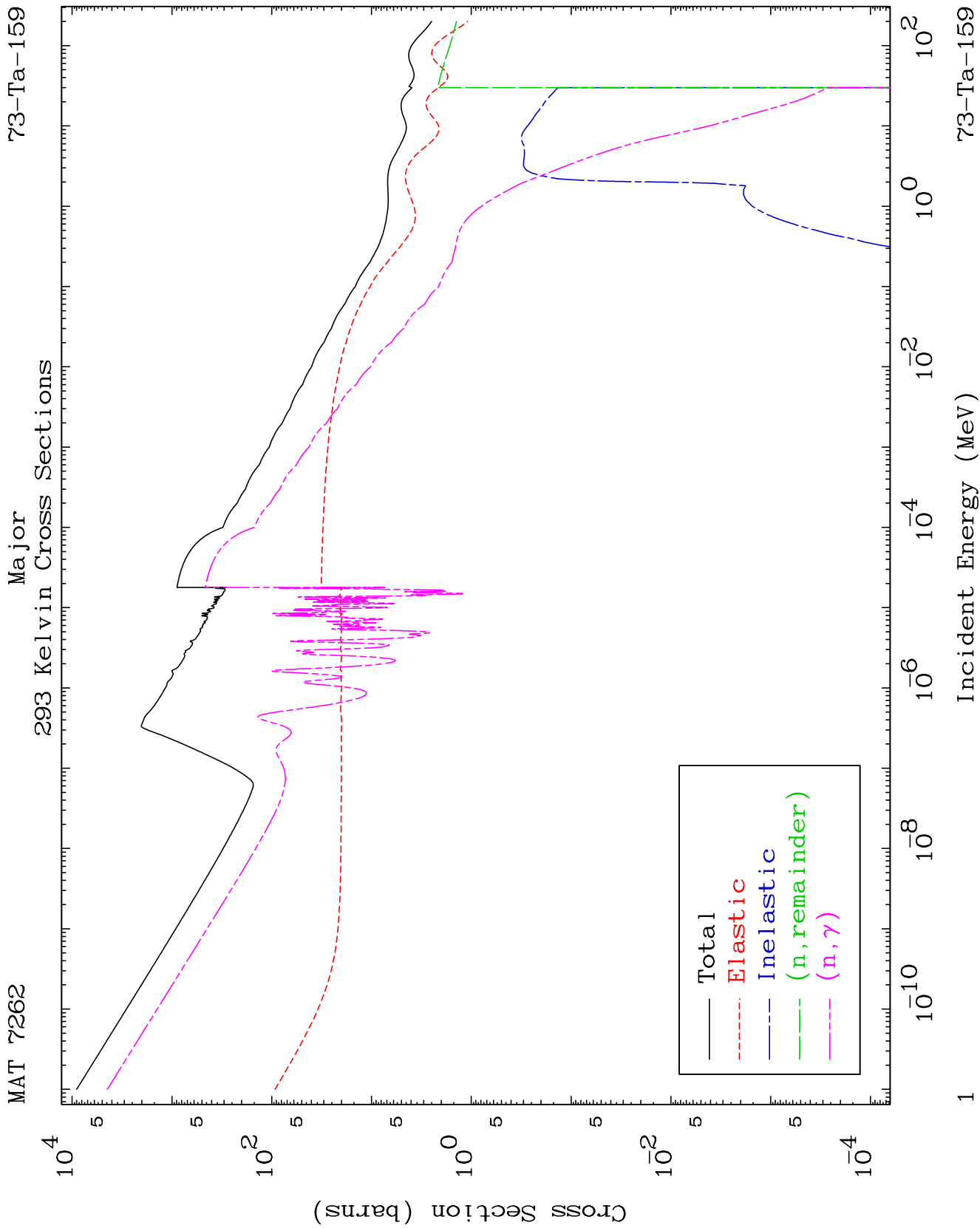
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Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

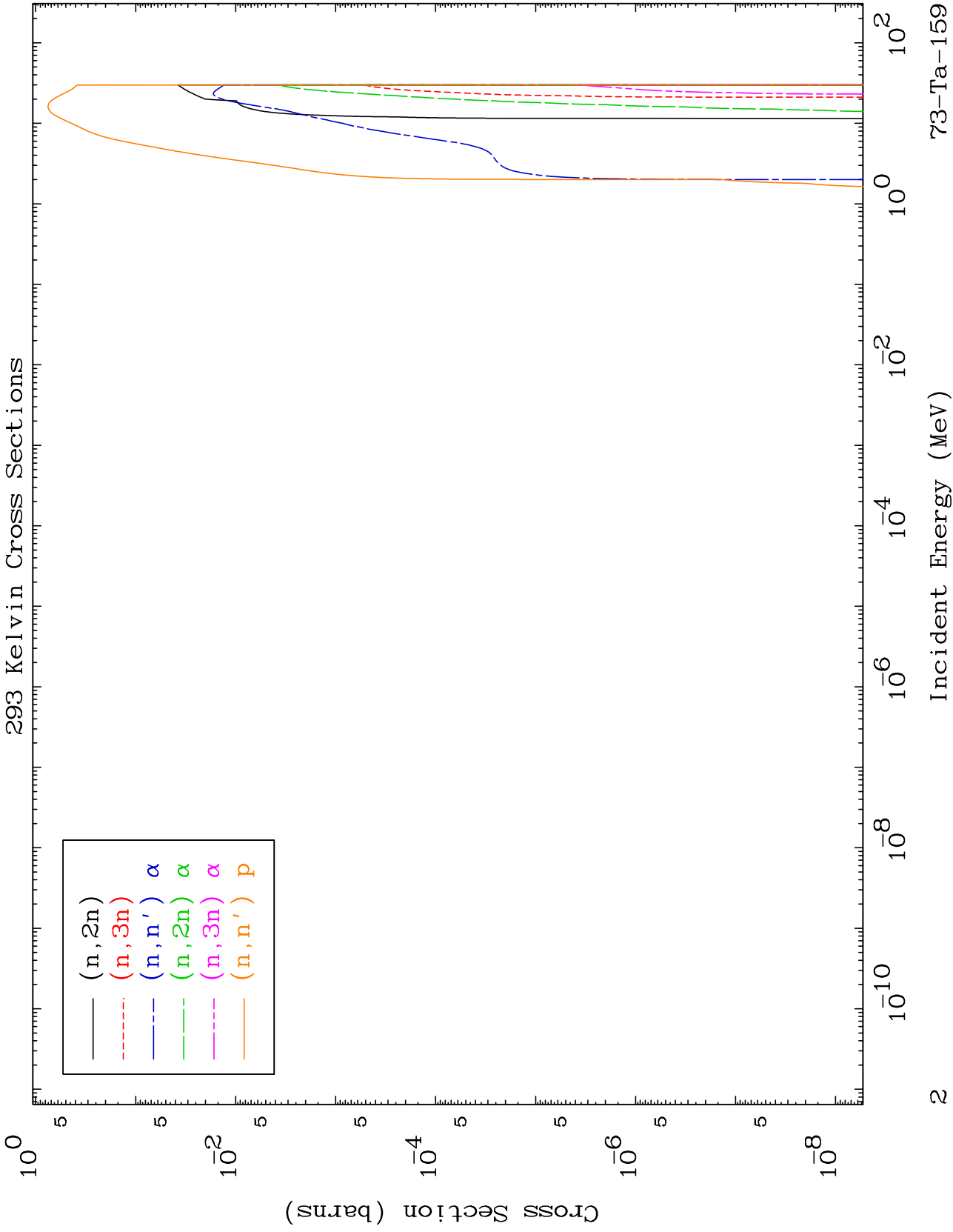
Press Mouse Button to Start



MAT 7262

Neutron Production
293 Kelvin Cross Sections

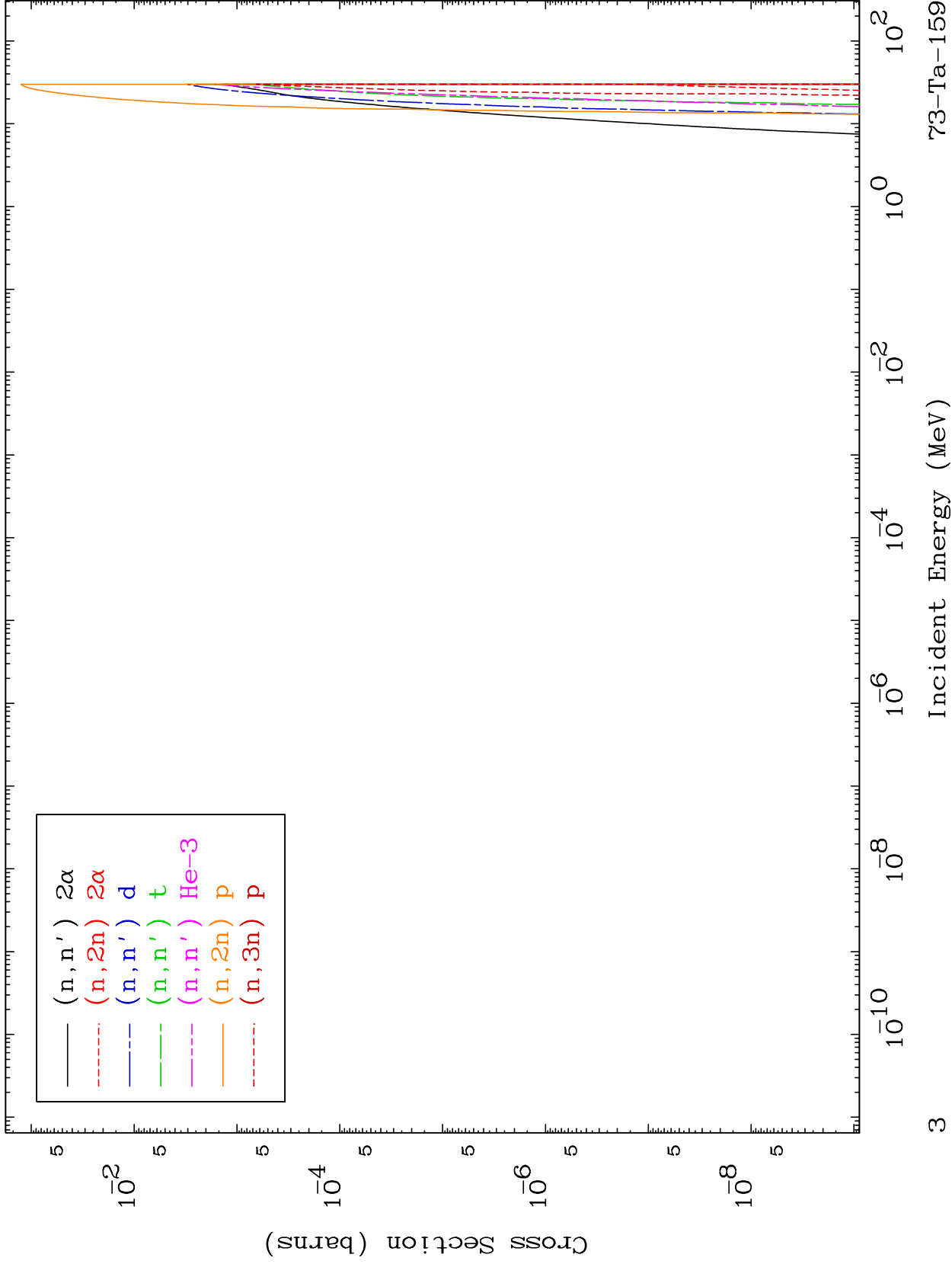
73-Ta-159



MAT 7262

Neutron Production
293 Kelvin Cross Sections

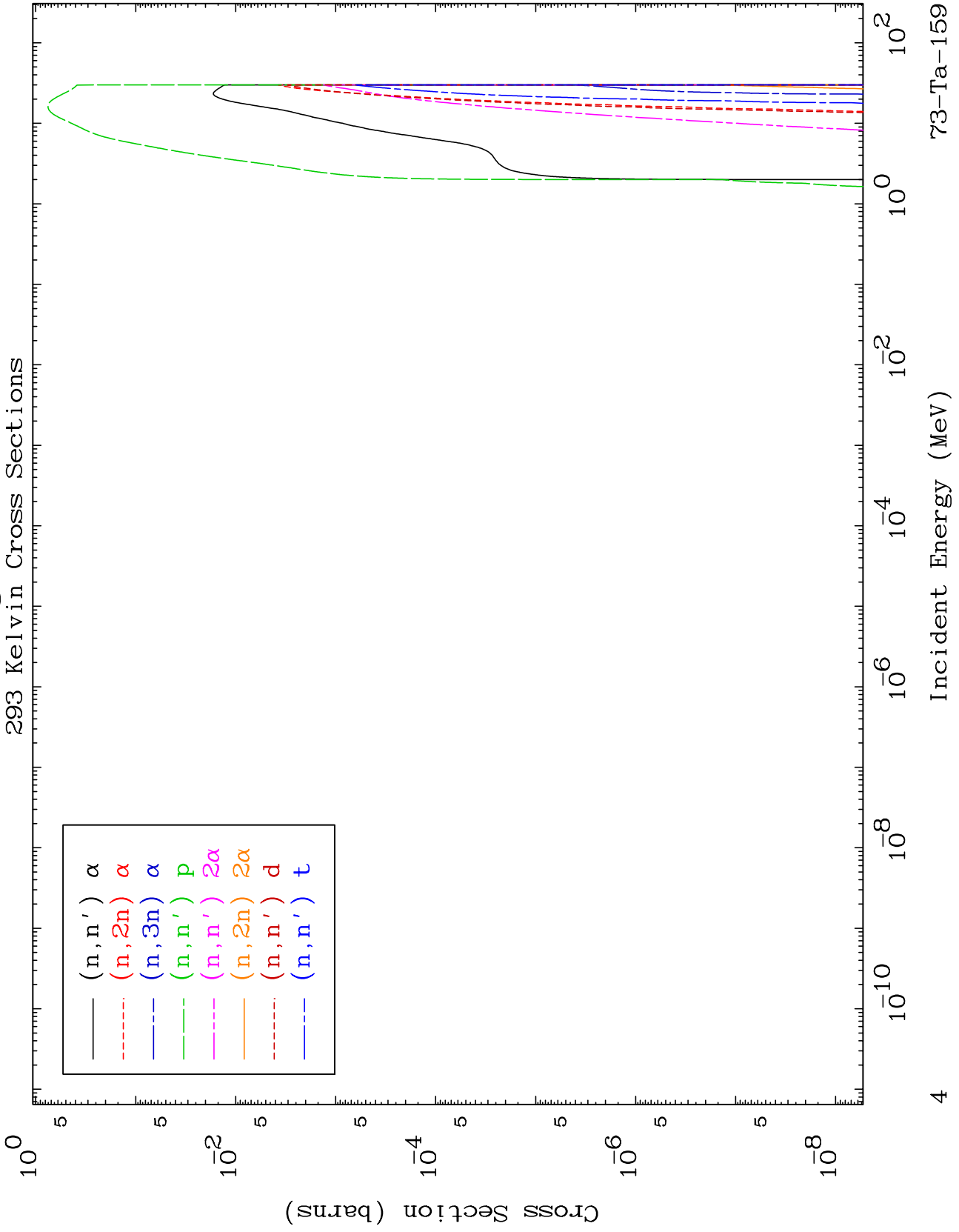
73-Ta-159

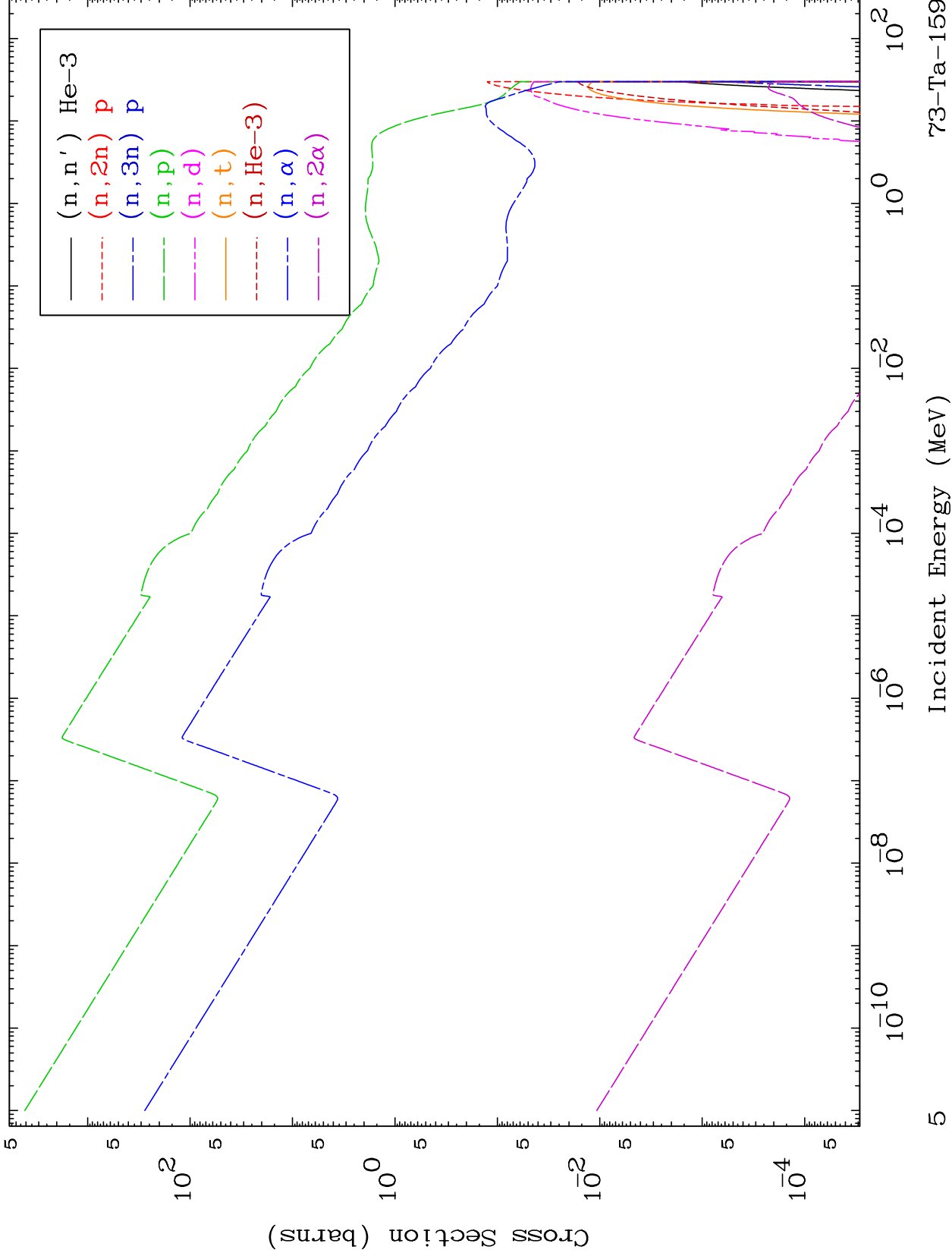


MAT 7262

Charged Particle
293 Kelvin Cross Sections

73-Ta-159

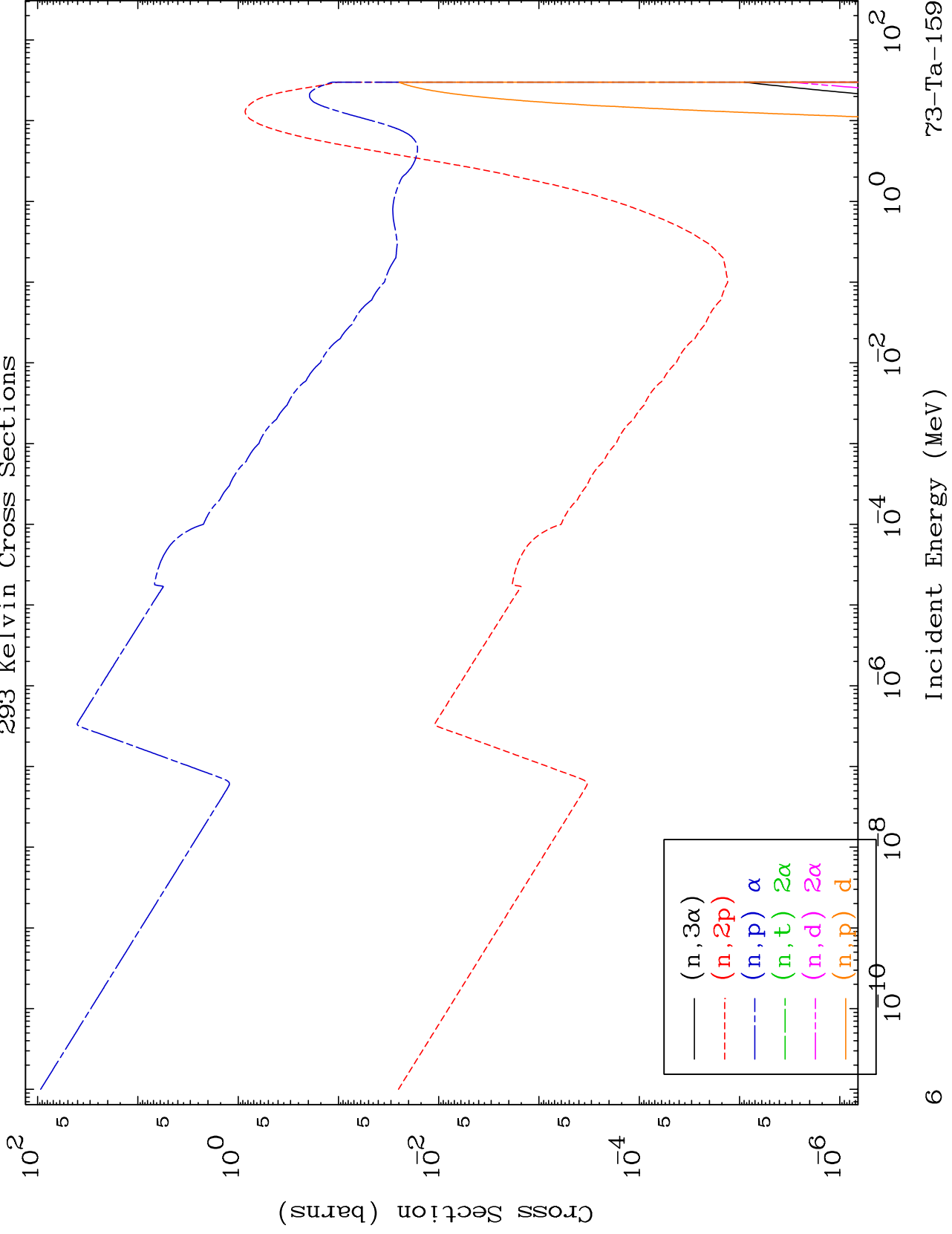


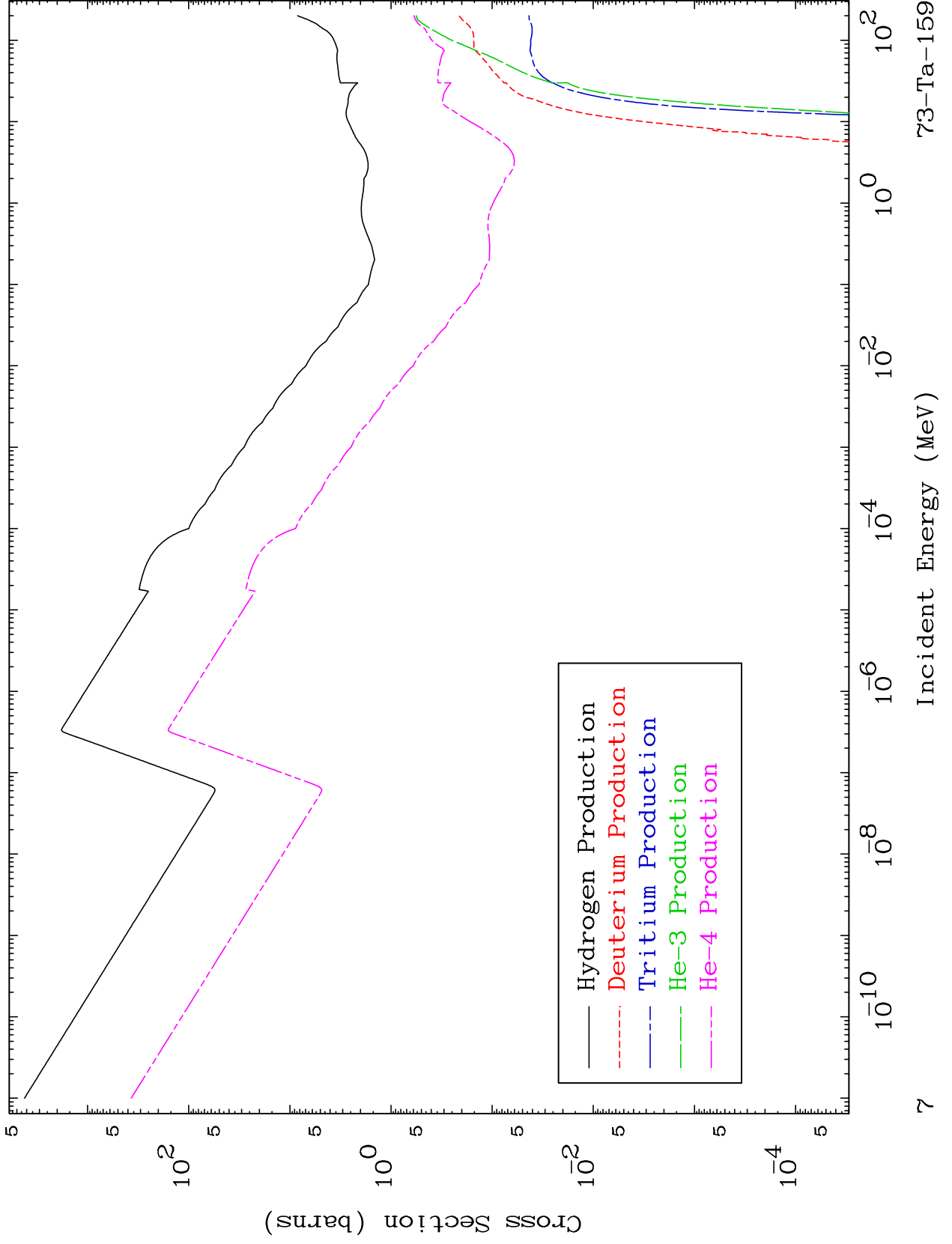


MAT 7262

Charged Particle
293 Kelvin Cross Sections

73-Ta-159

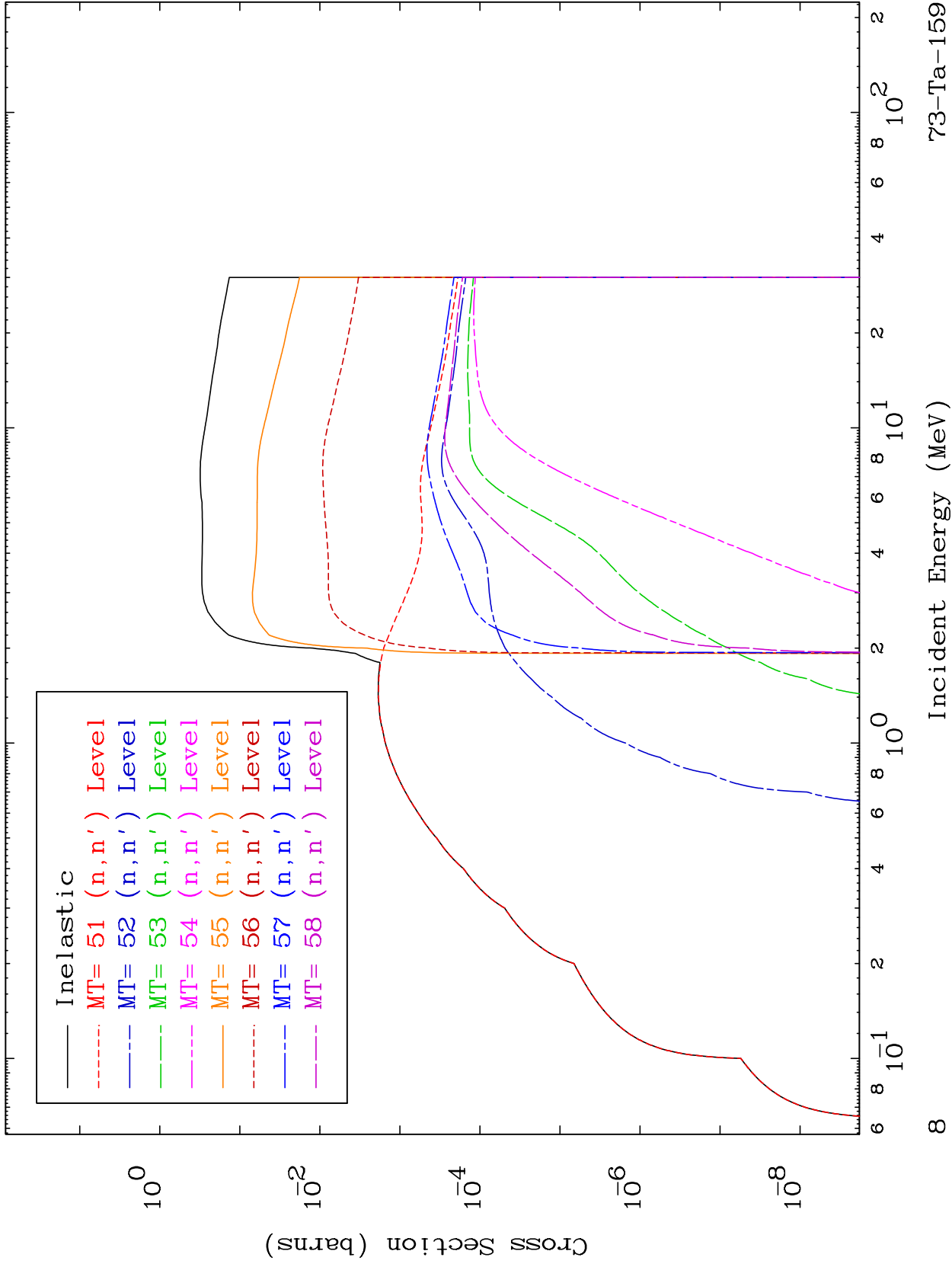




MAT 7262

(n,n') Level
293 Kelvin Cross Sections

73-Ta-159

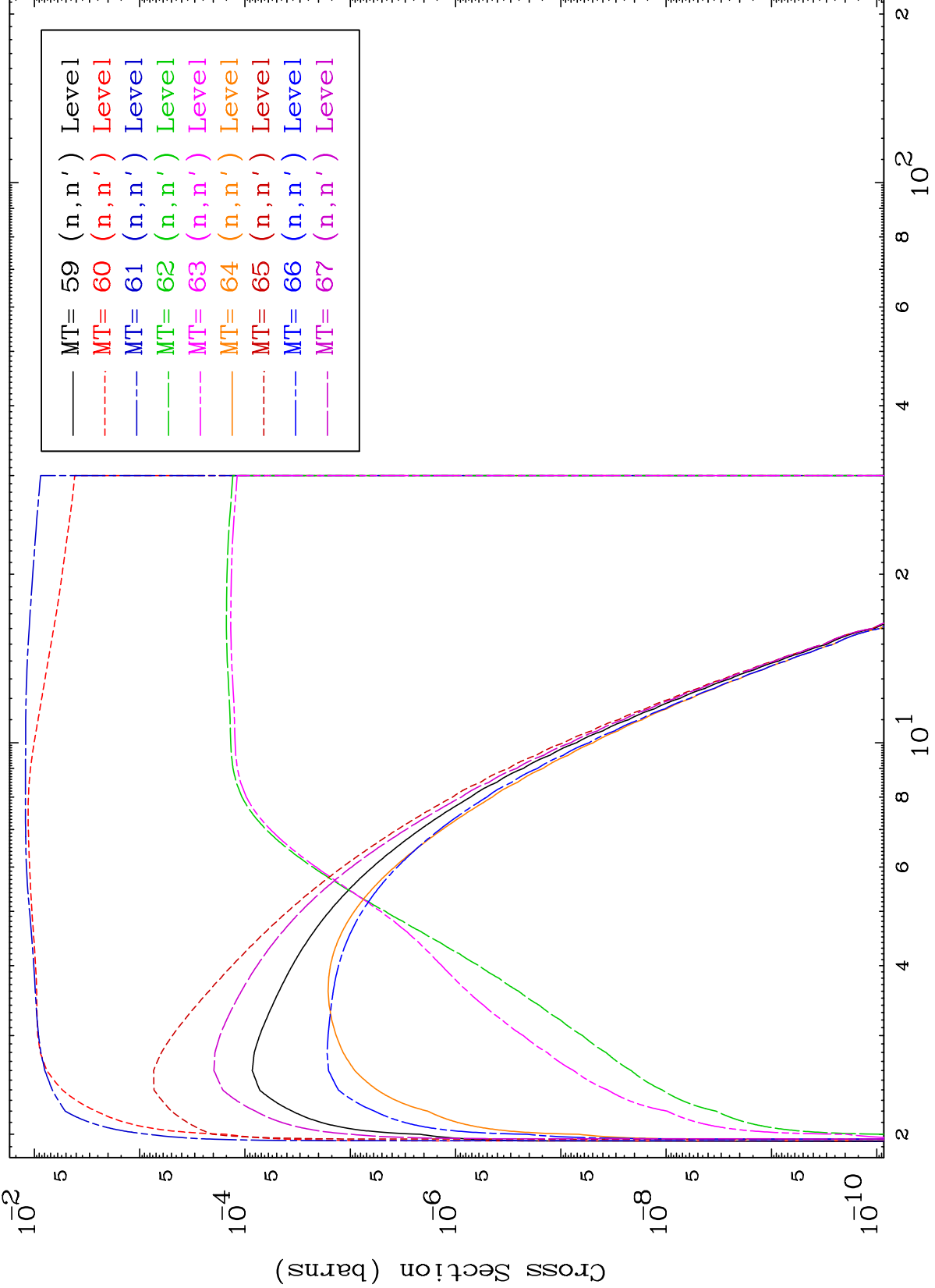


MAT 7262

(n,n') Level

73-Ta-159

293 Kelvin Cross Sections



9

Incident Energy (MeV)

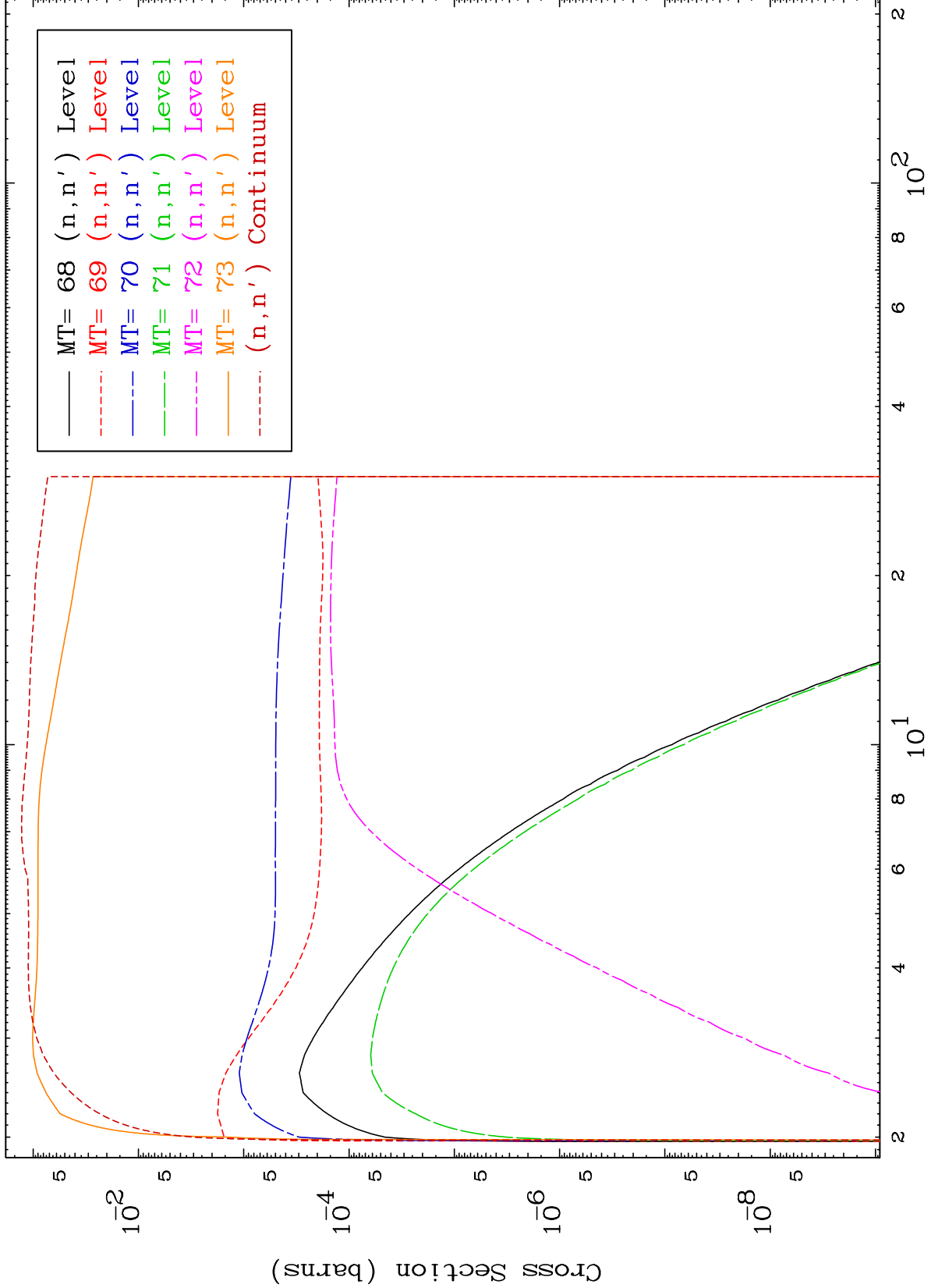
73-Ta-159

MAT 7262

(n,n') Level

73-Ta-159

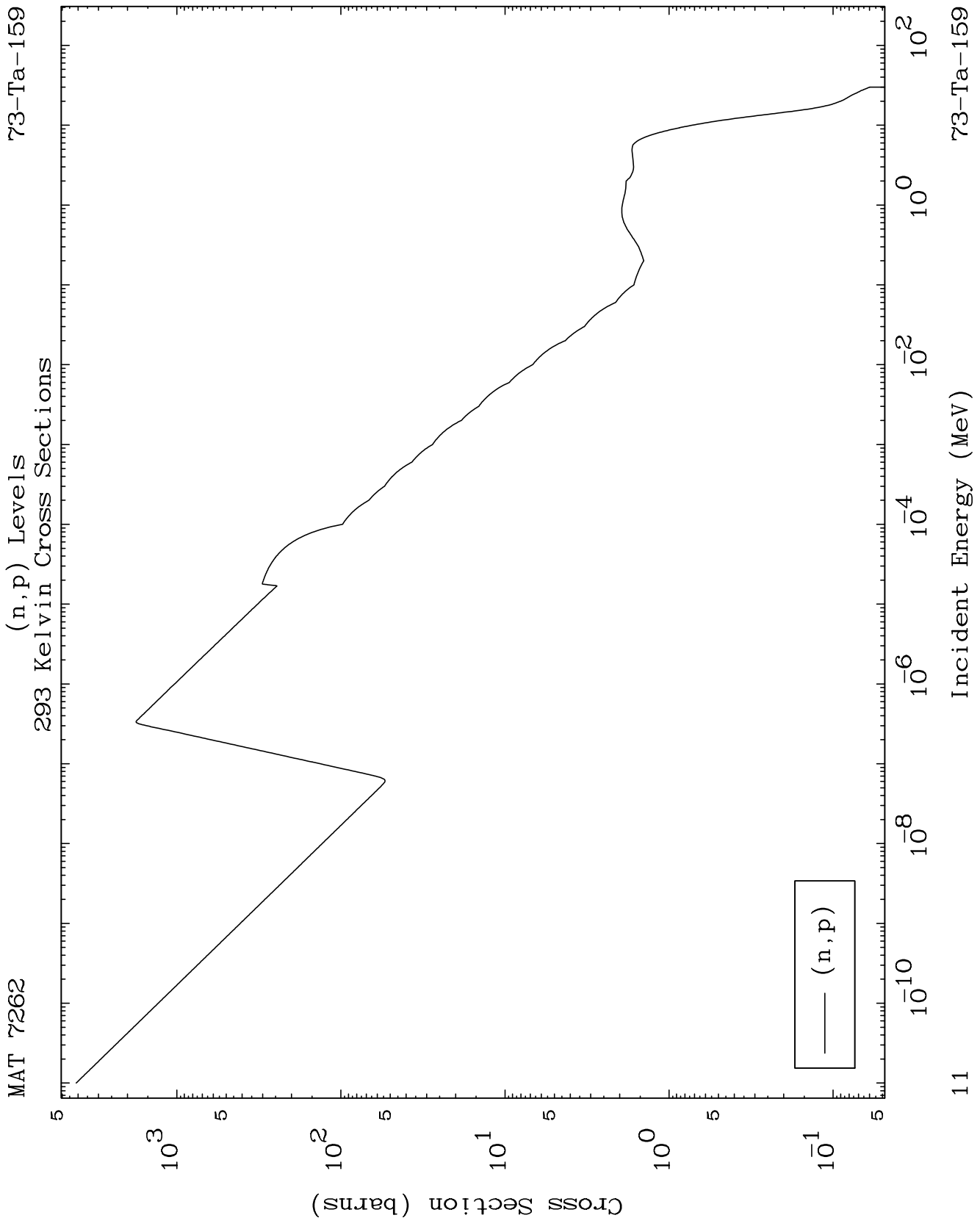
293 Kelvin Cross Sections



10

Incident Energy (MeV)

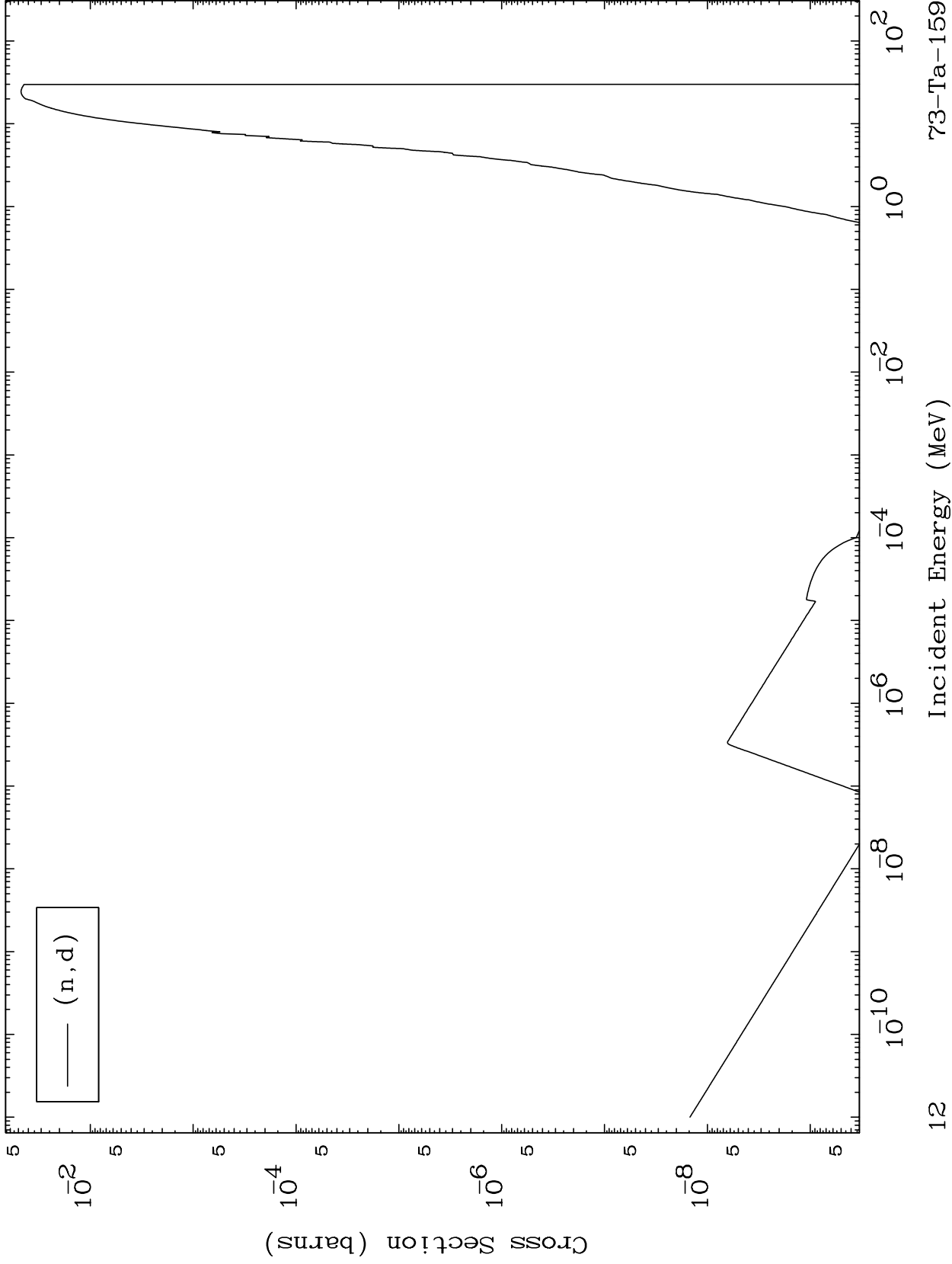
73-Ta-159



MAT 7262

(n,d) Levels
293 Kelvin Cross Sections

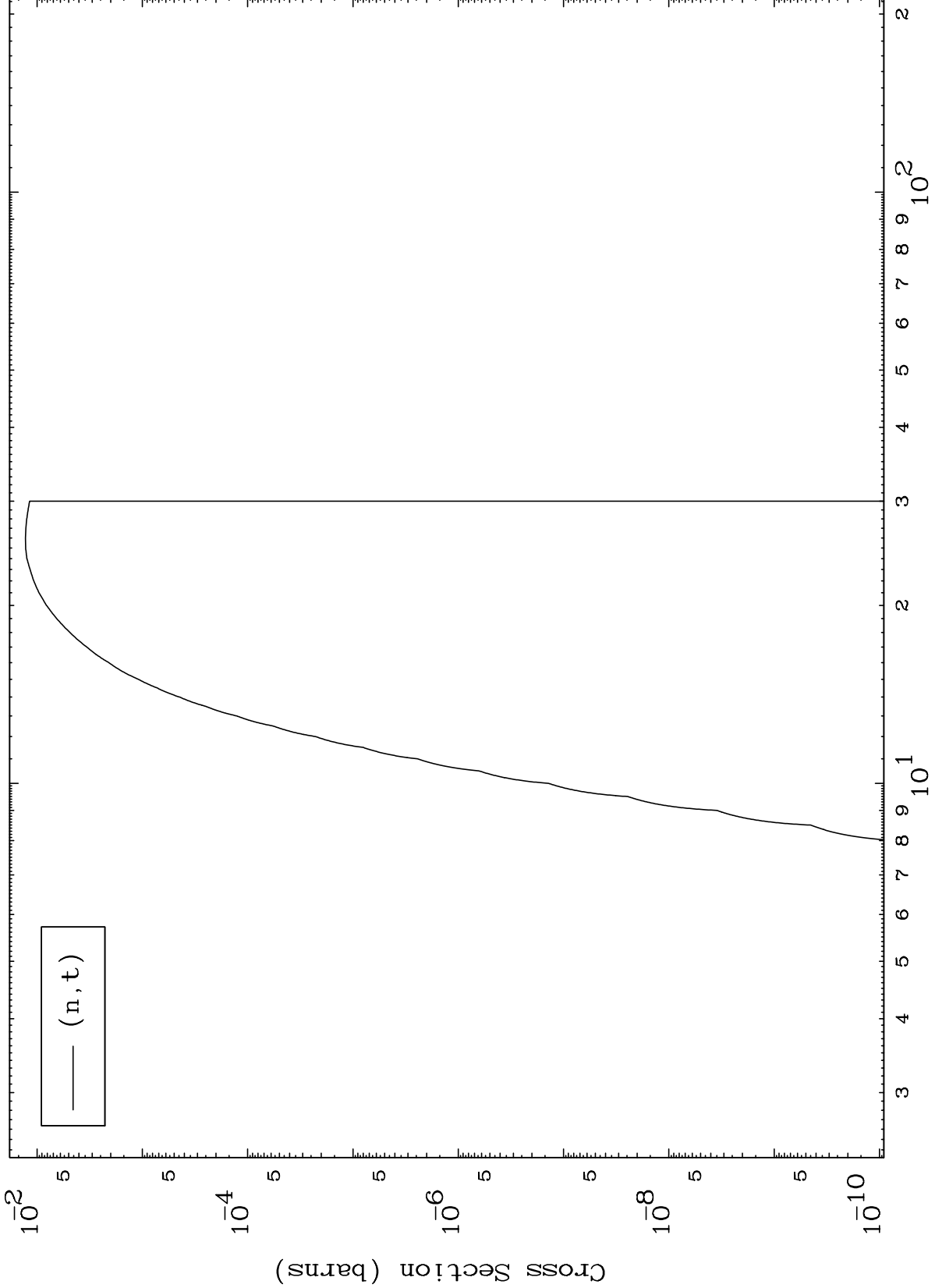
73-Ta-159



MAT 7262

(n,t) Levels
293 Kelvin Cross Sections

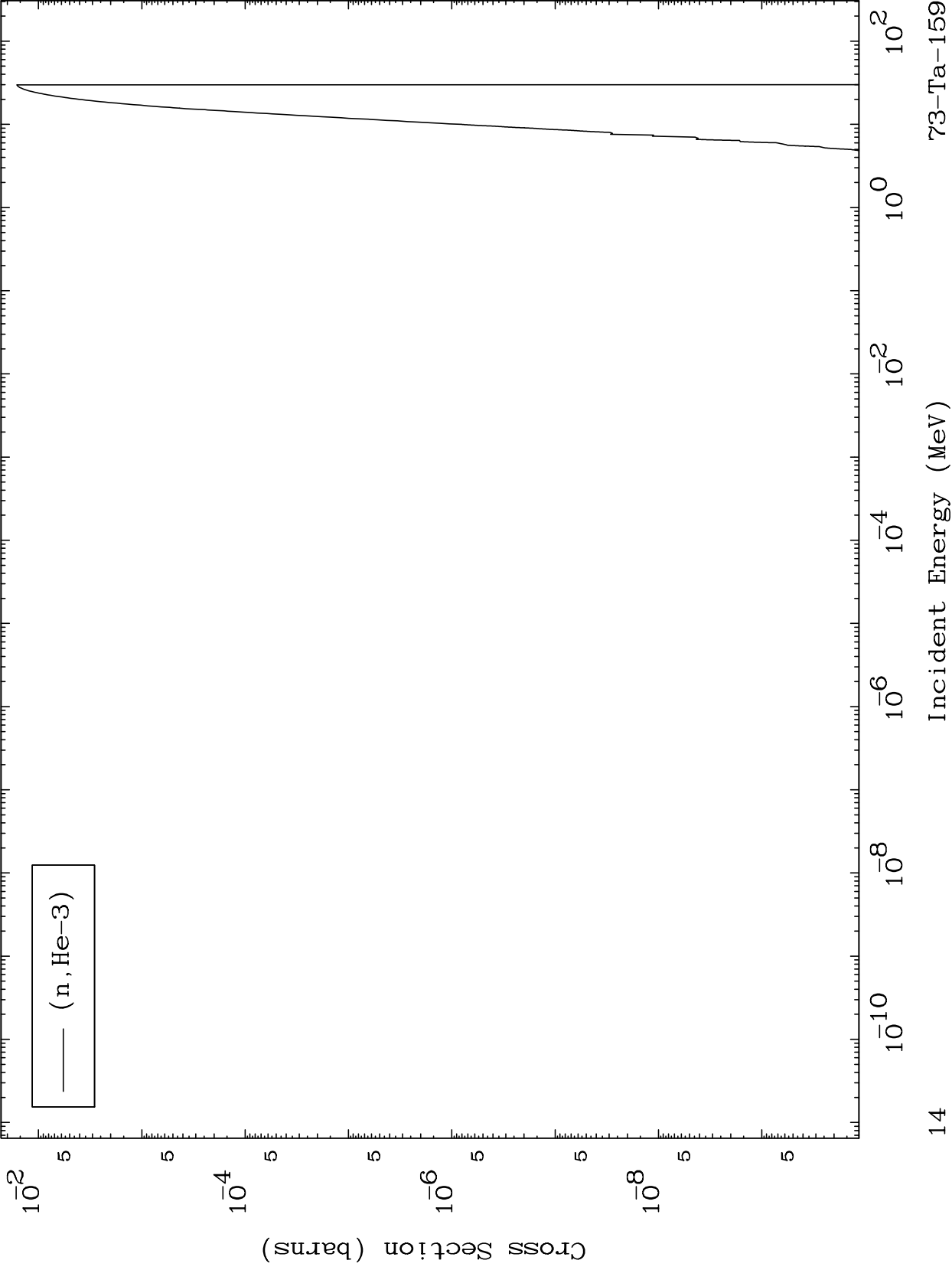
73-Ta-159



MAT 7262

(n,He3) Levels
293 Kelvin Cross Sections

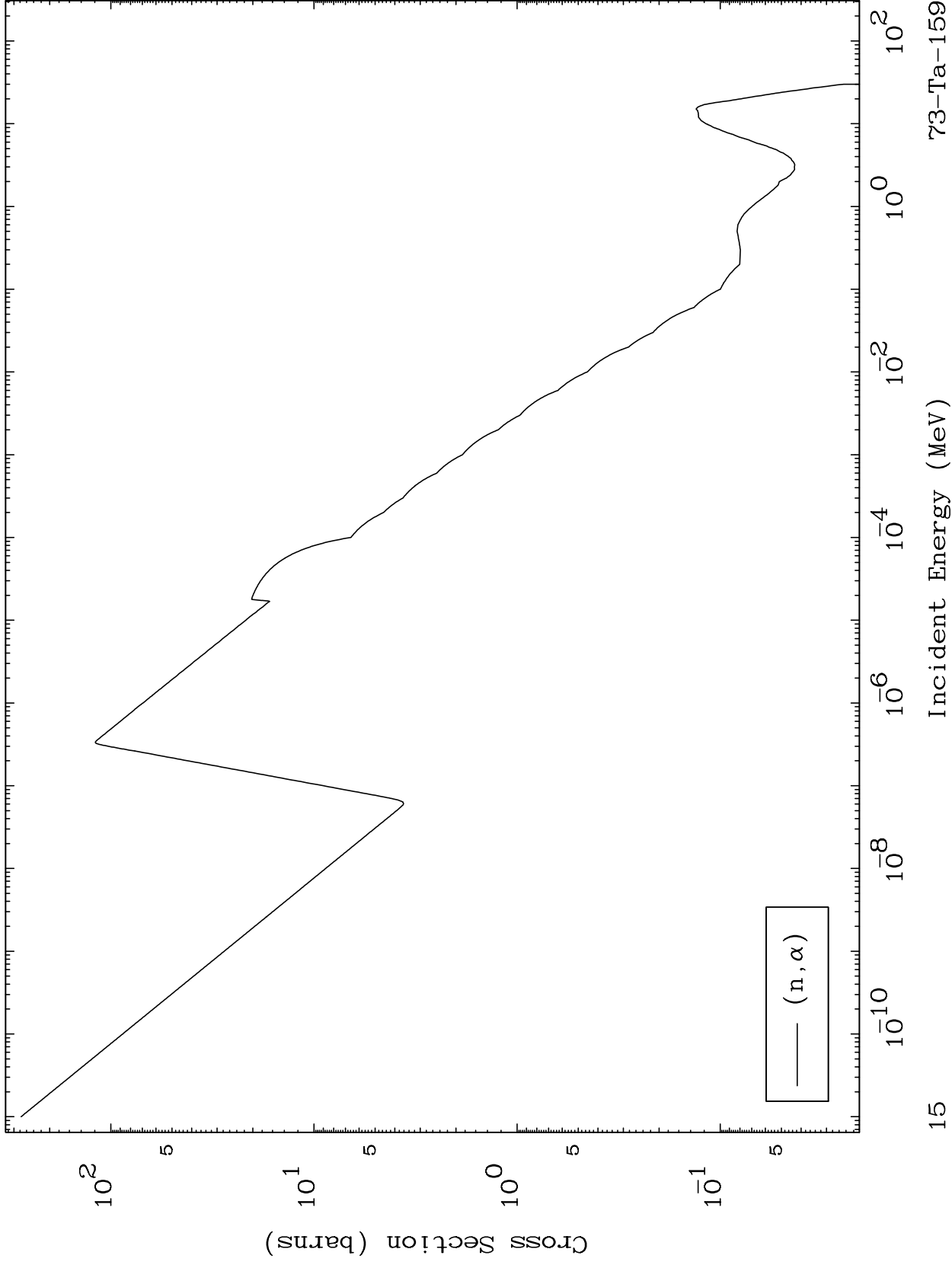
73-Ta-159



MAT 7262

(n,α) Levels
293 Kelvin Cross Sections

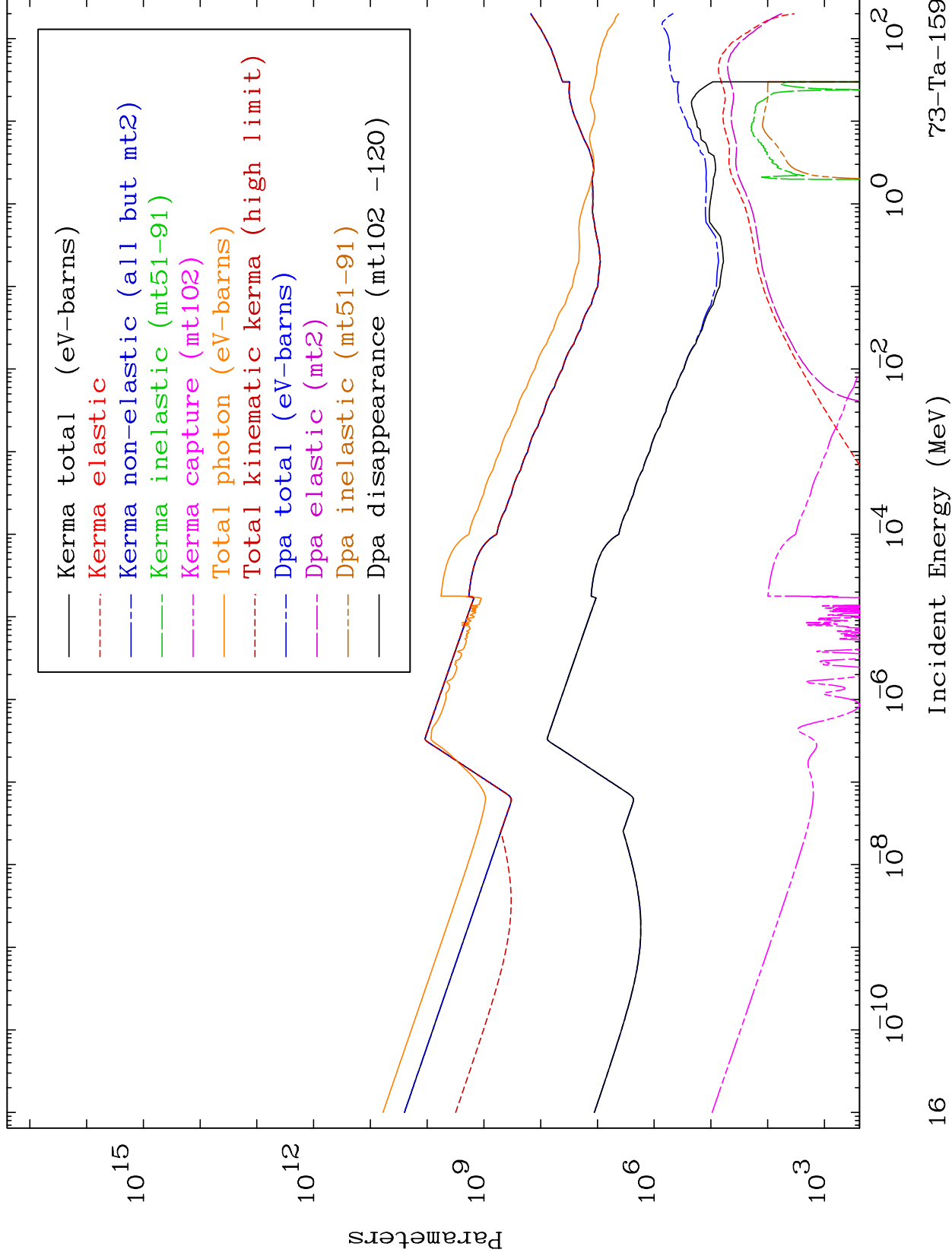
73-Ta-159



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Incident Energy (MeV)

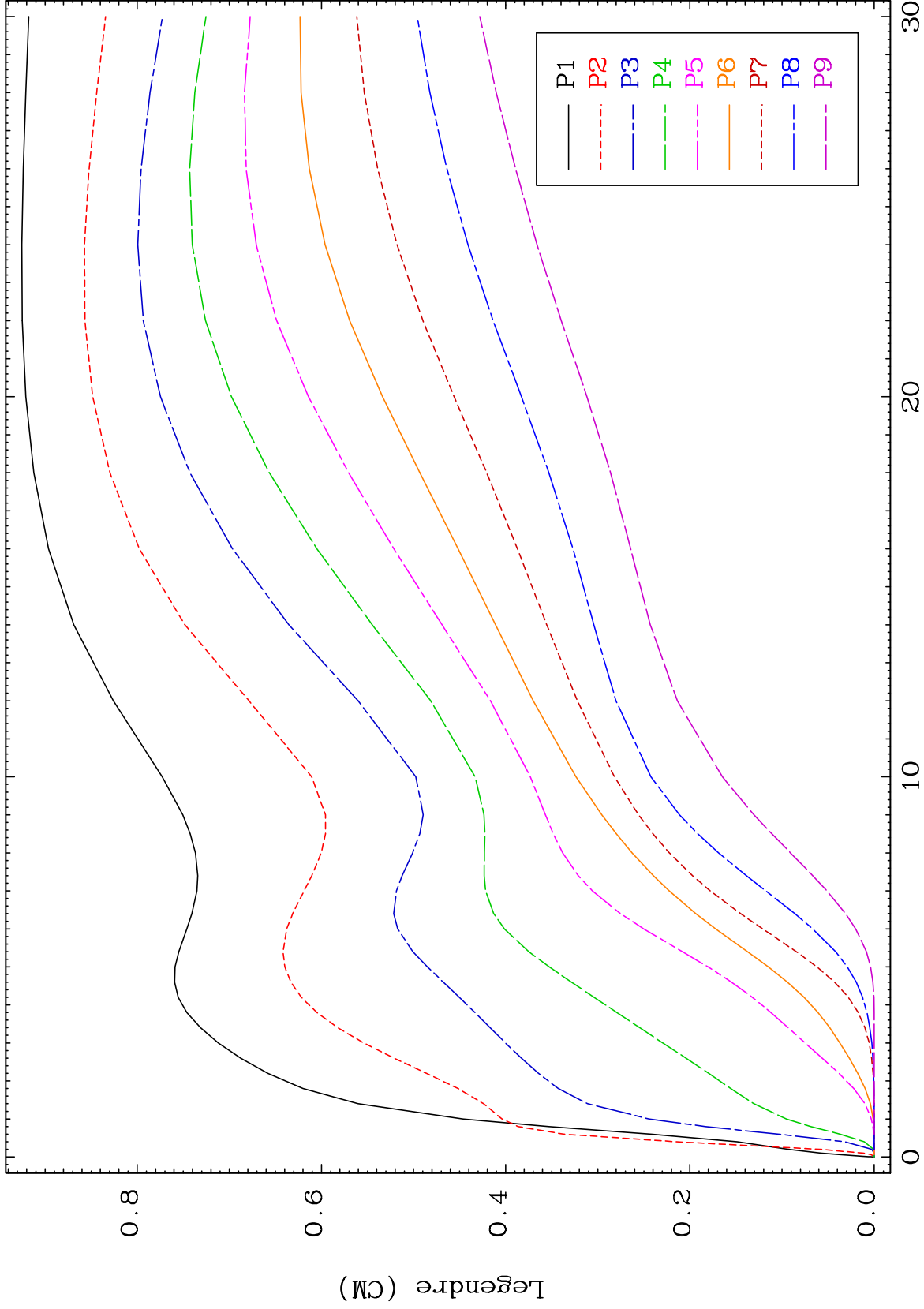
73-Ta-159



MAT 7262

Elastic Legendre Coefficients

⁷³Ta-159



17

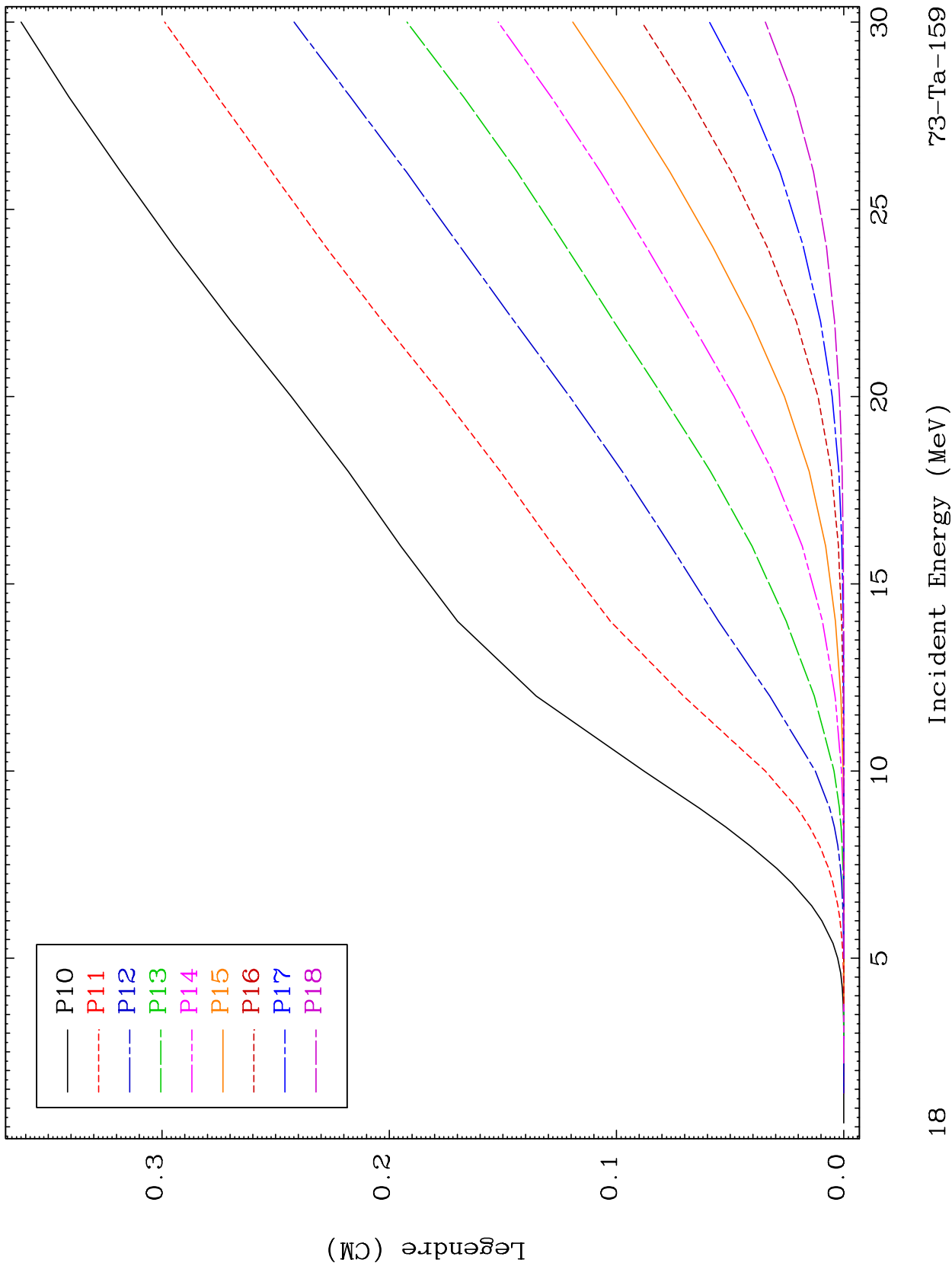
Incident Energy (MeV)

⁷³Ta-159

MAT 7262

Elastic Legendre Coefficients

⁷³Ta-159



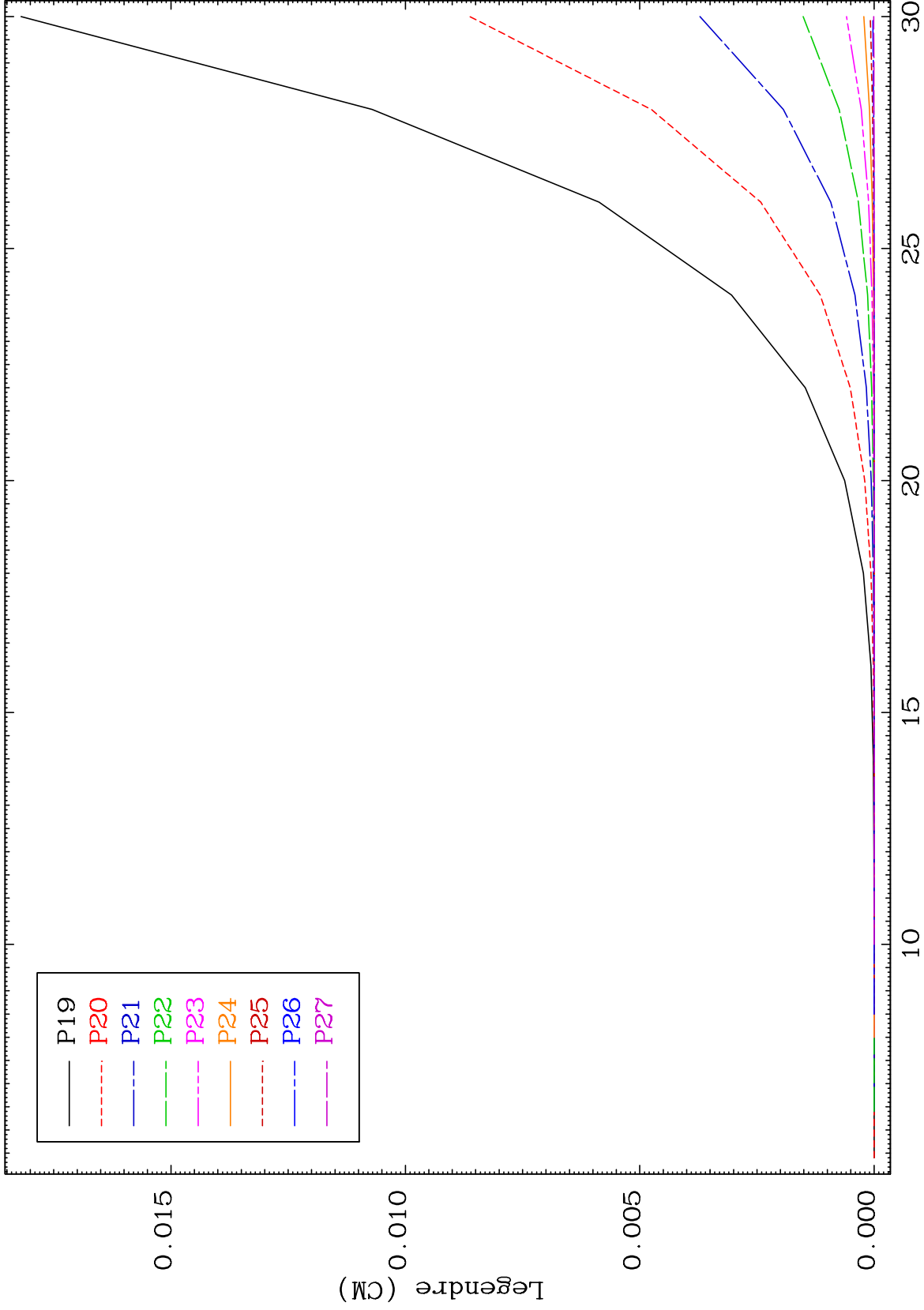
18

⁷³Ta-159

MAT 7262

Elastic Legendre Coefficients

73-Ta-159



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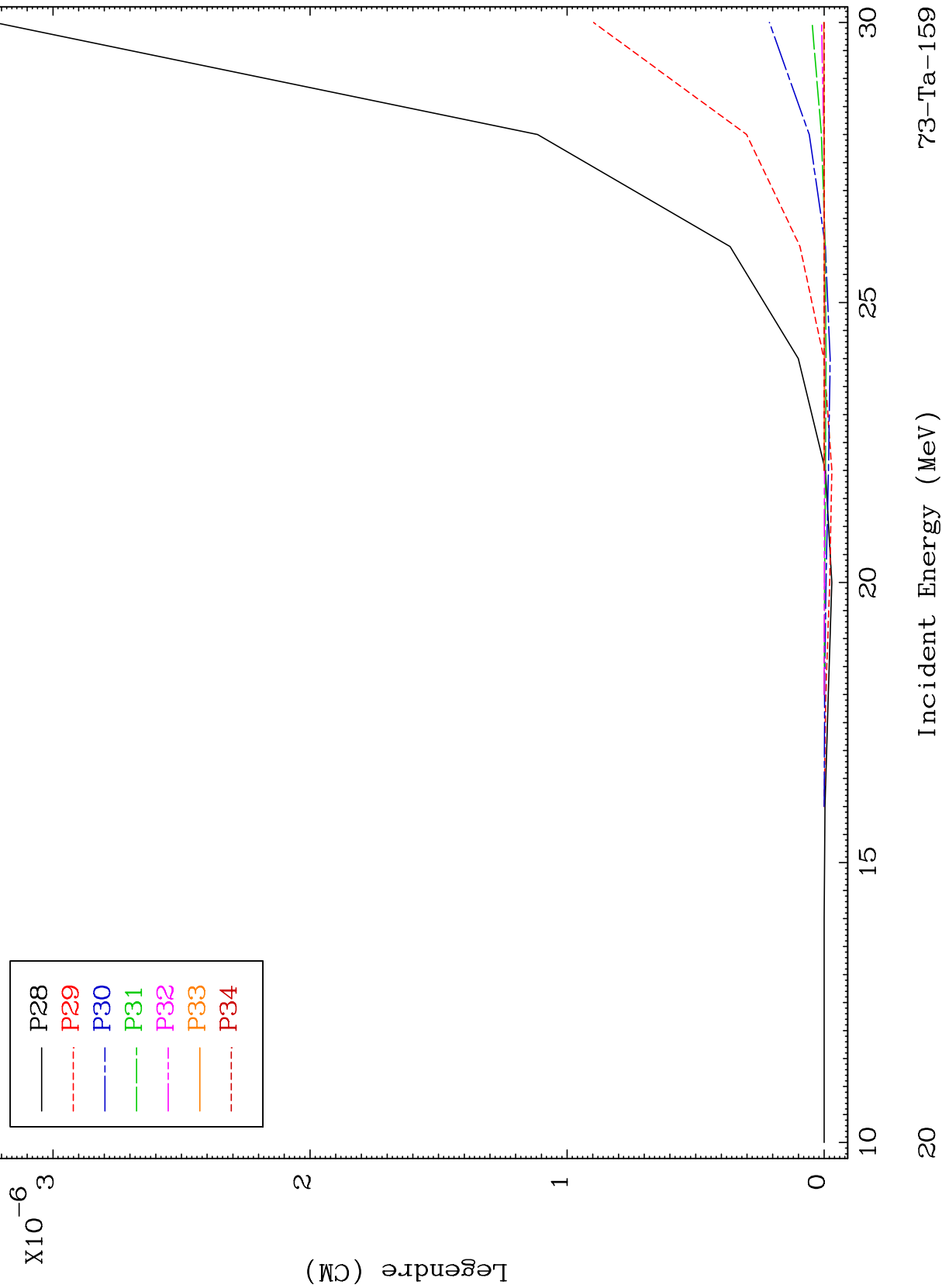
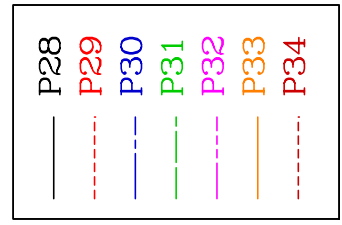
Incident Energy (MeV)

73-Ta-159

MAT 7262

Elastic Legendre Coefficients

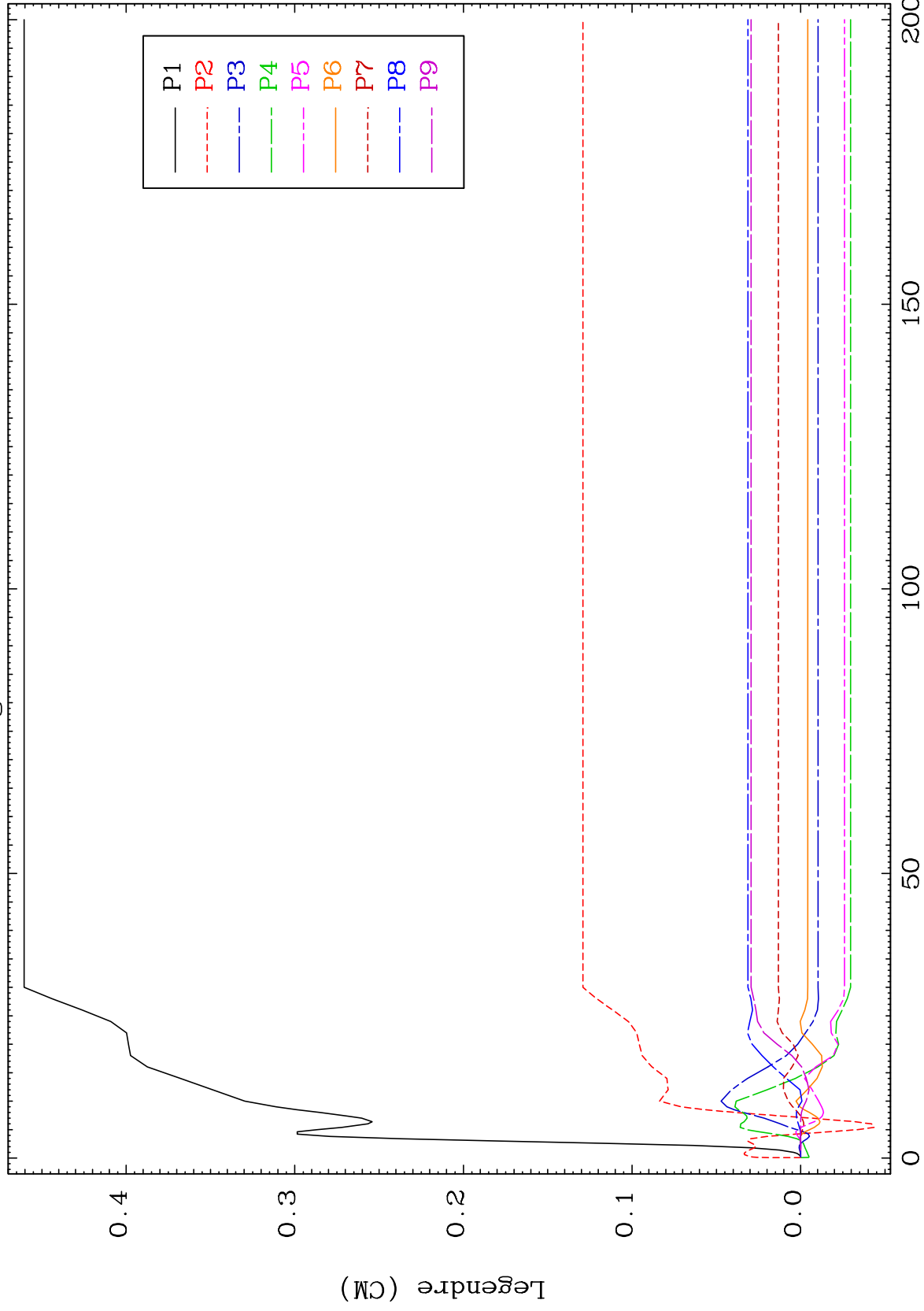
⁷³Ta-159



MAT 7262

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

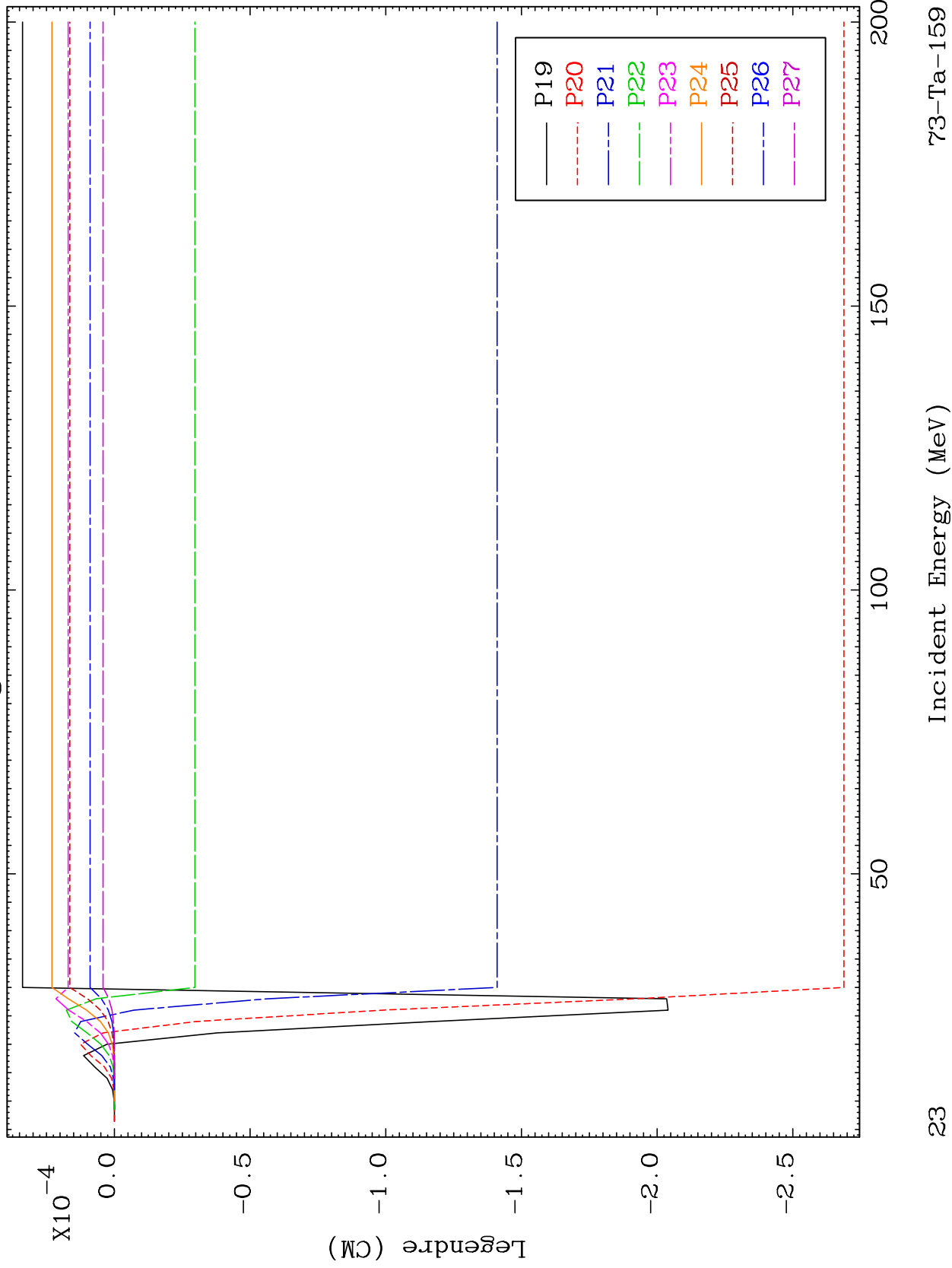
73-Ta-159



21

Incident Energy (MeV)

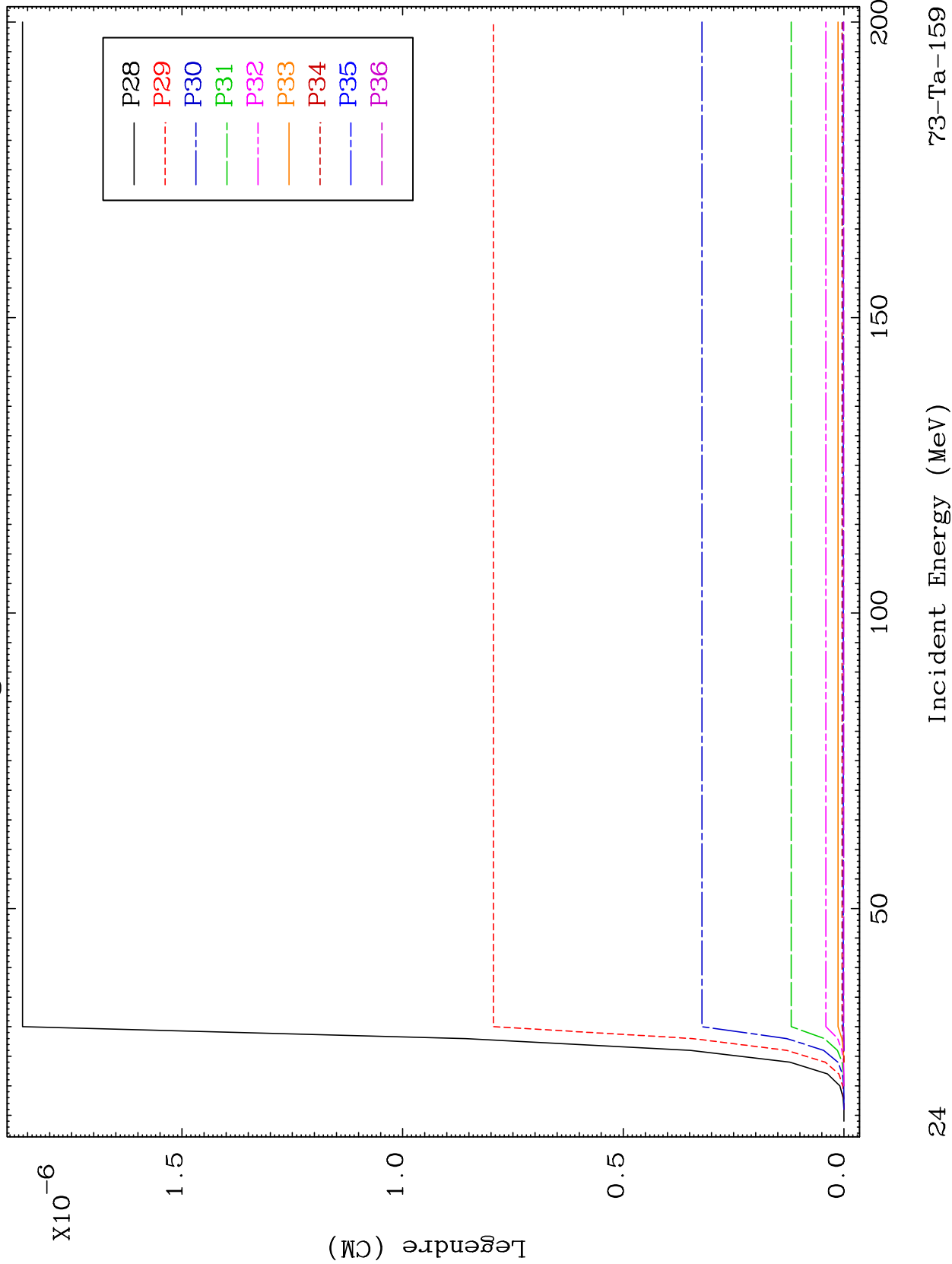
73-Ta-159



MAT 7262

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

73-Ta-159

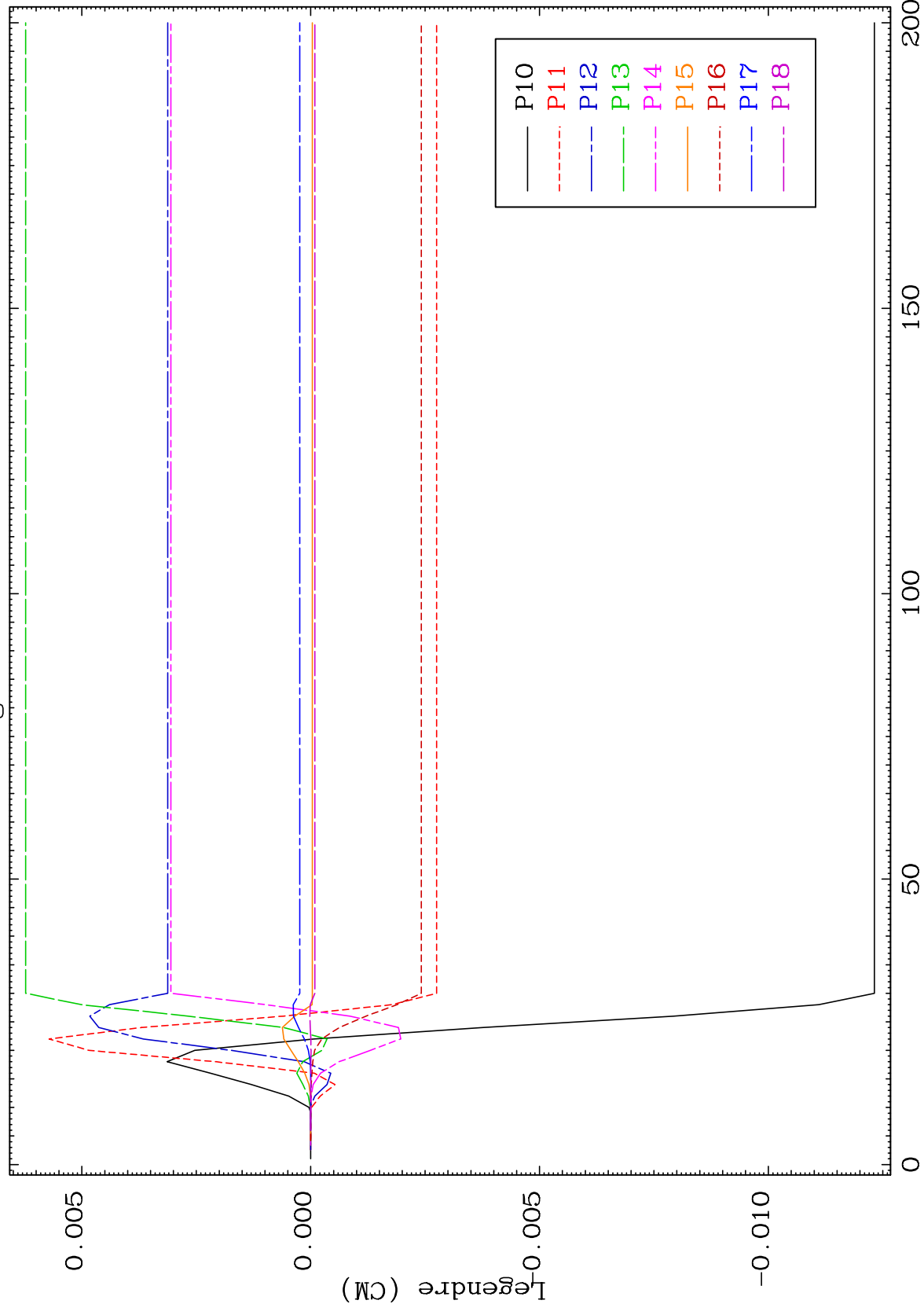


24

MAT 7262

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

73-Ta-159



26

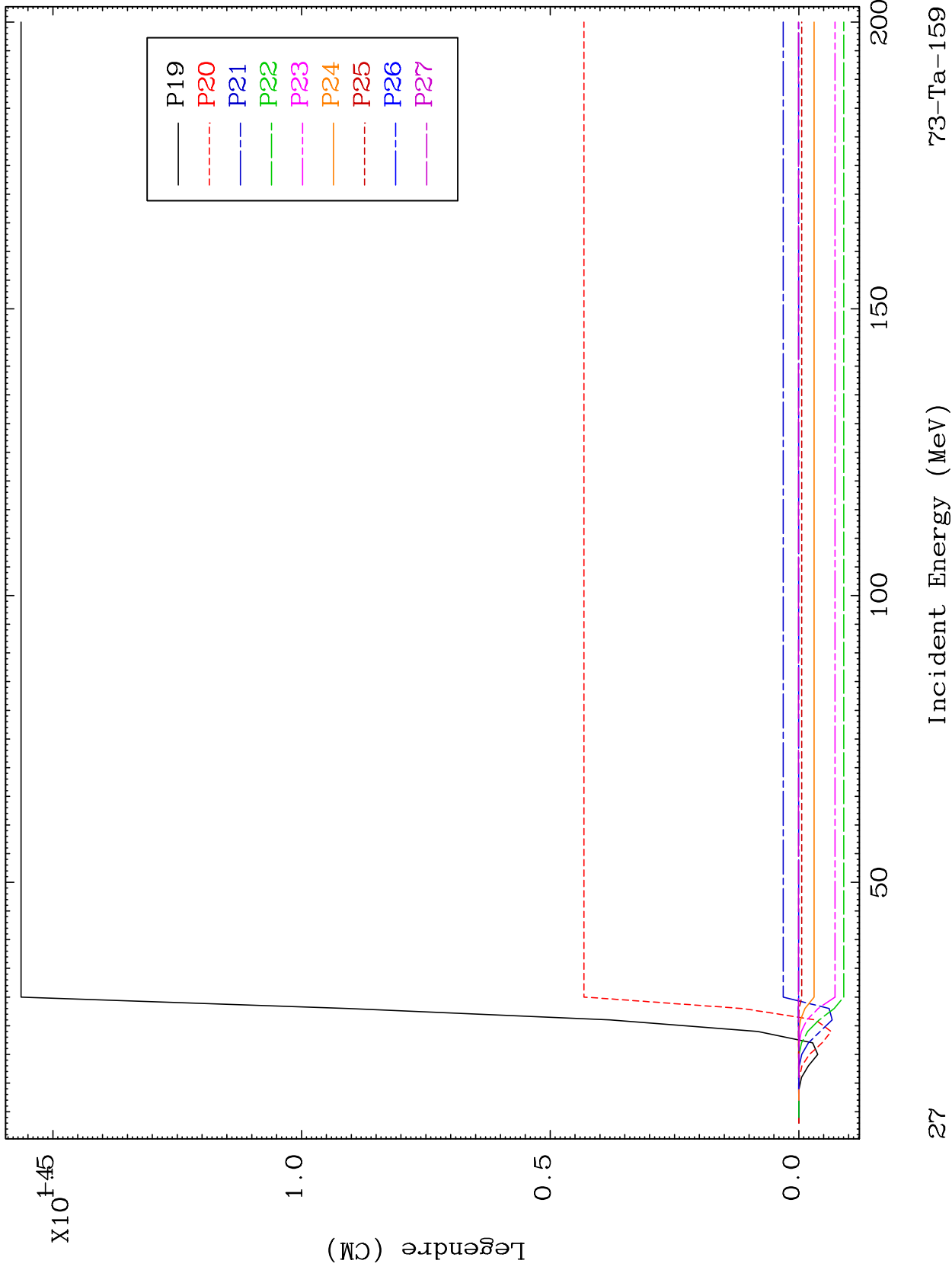
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



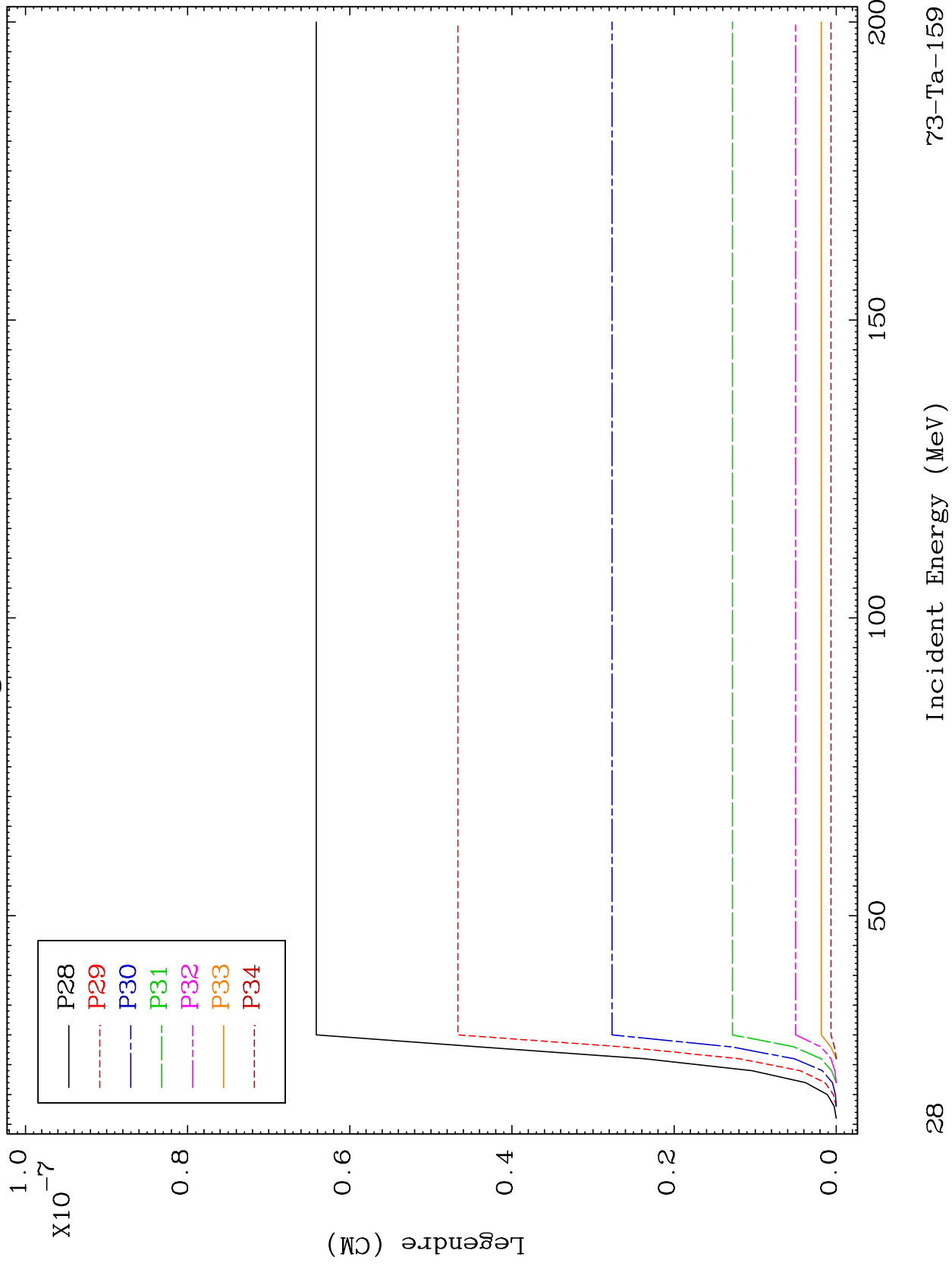
27

73-Ta-159

MAT 7262

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

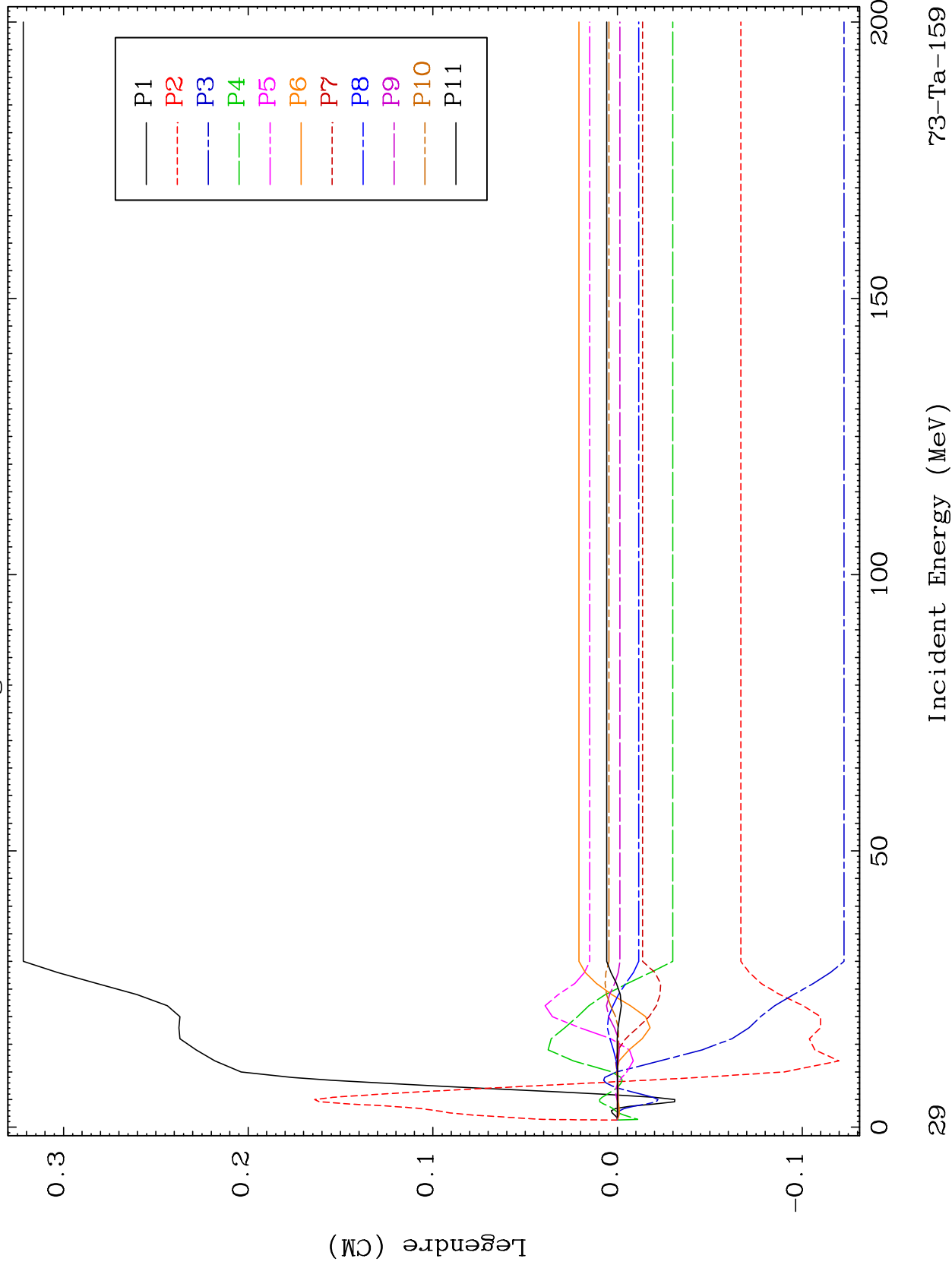
73-Ta-159



MAT 7262

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

73-Ta-159



73-Ta-159

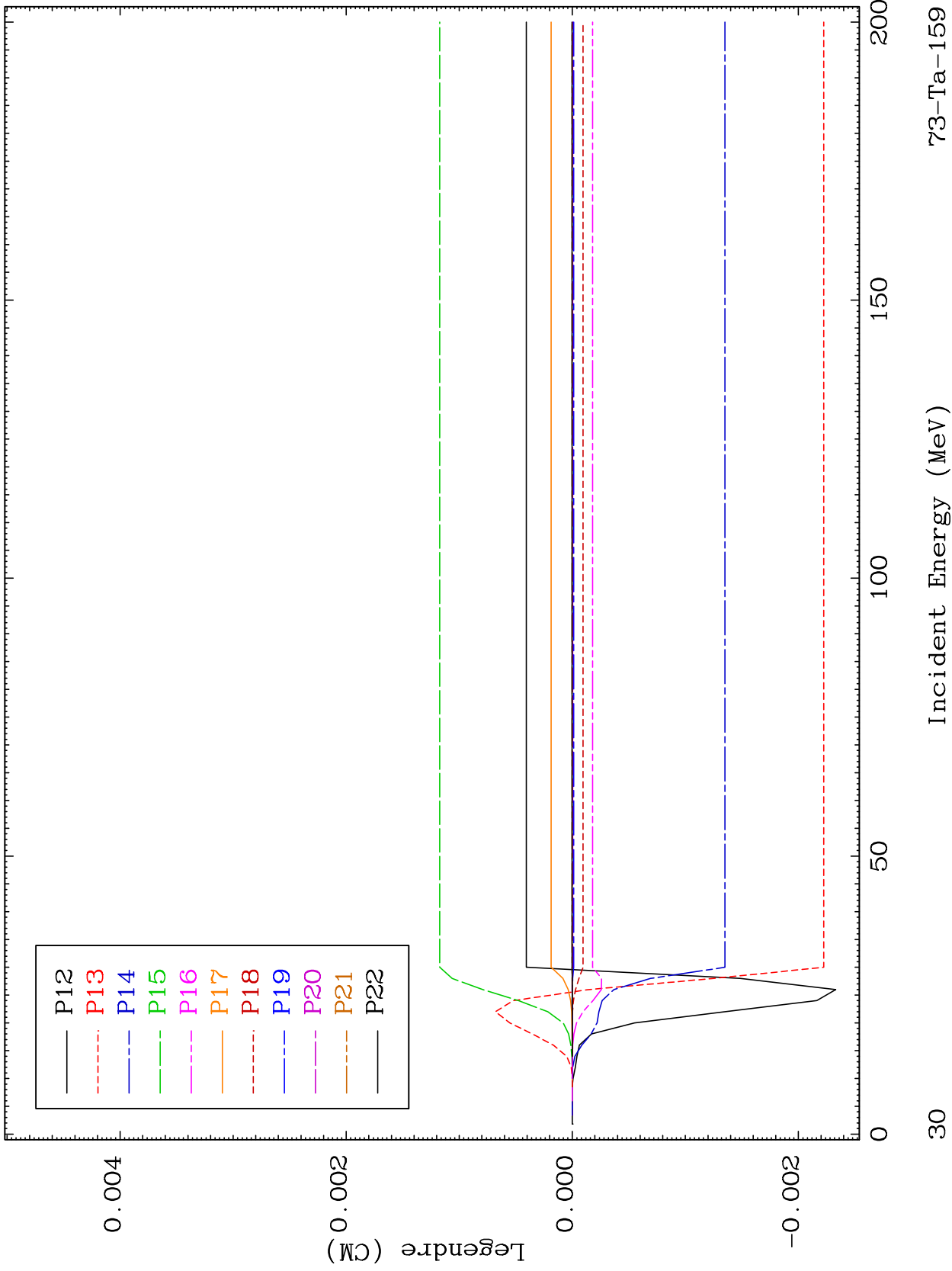
Incident Energy (MeV)

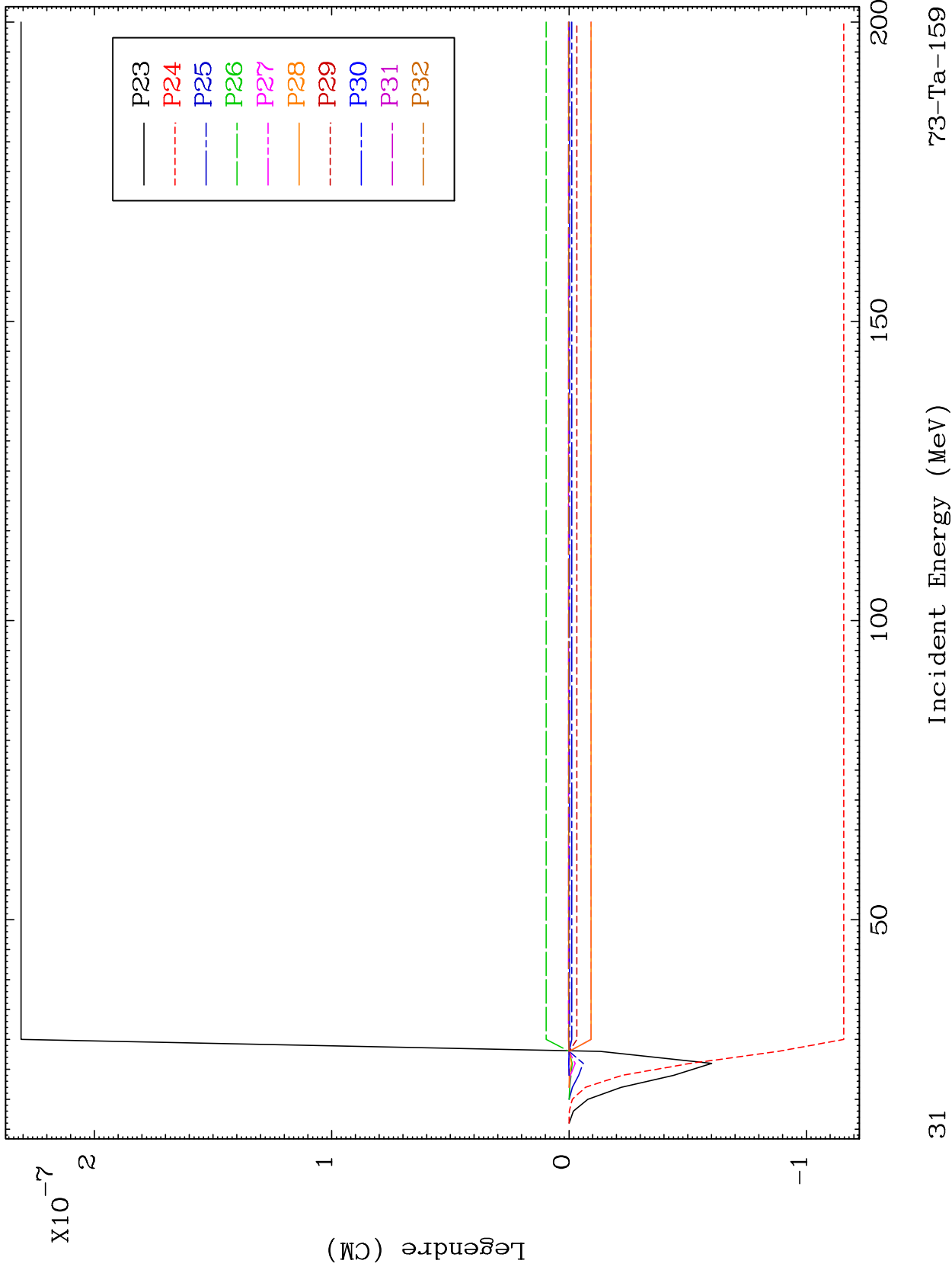
29

MAT 7262

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

73-Ta-159

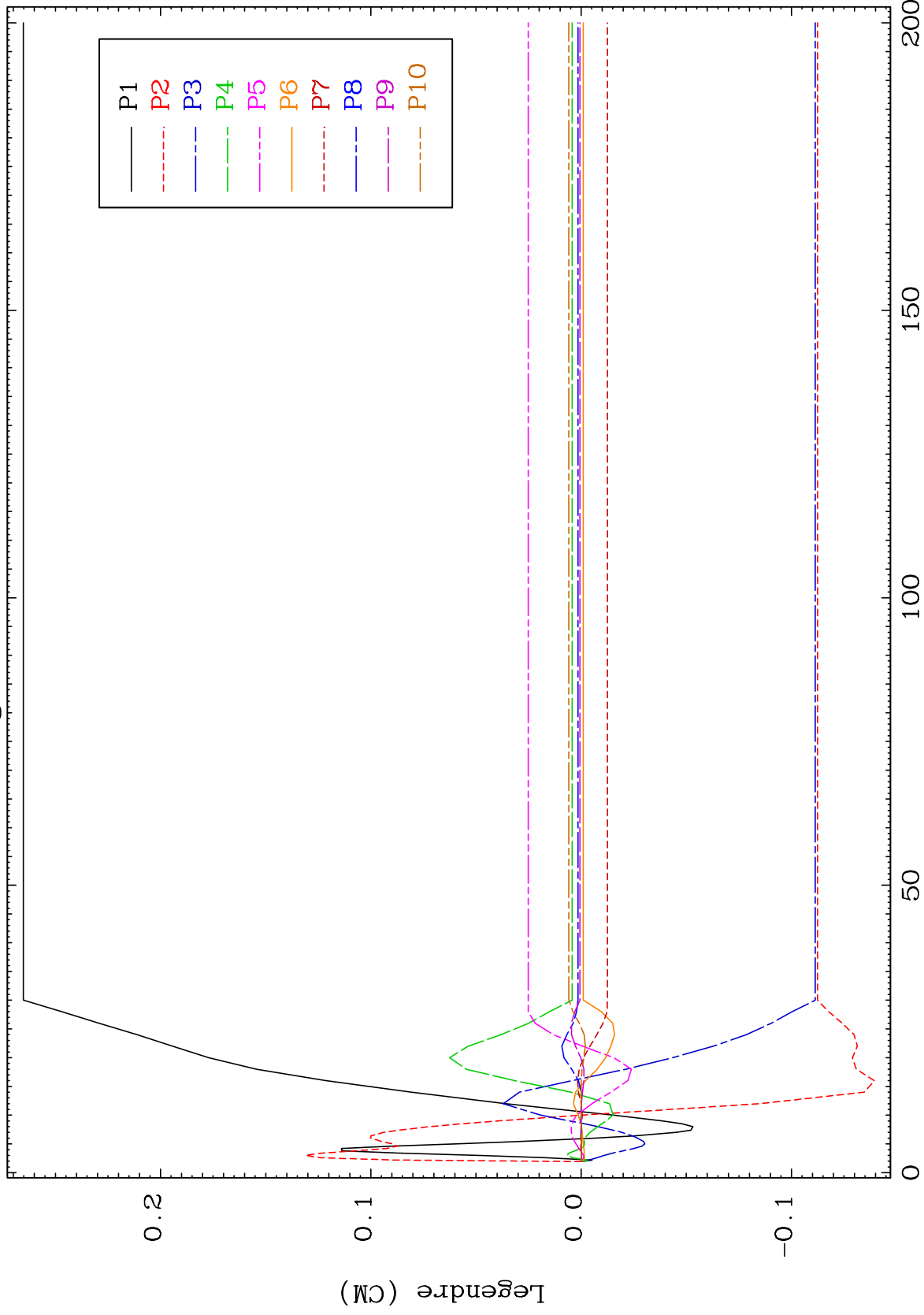




MAT 7262

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

73-Ta-159



32

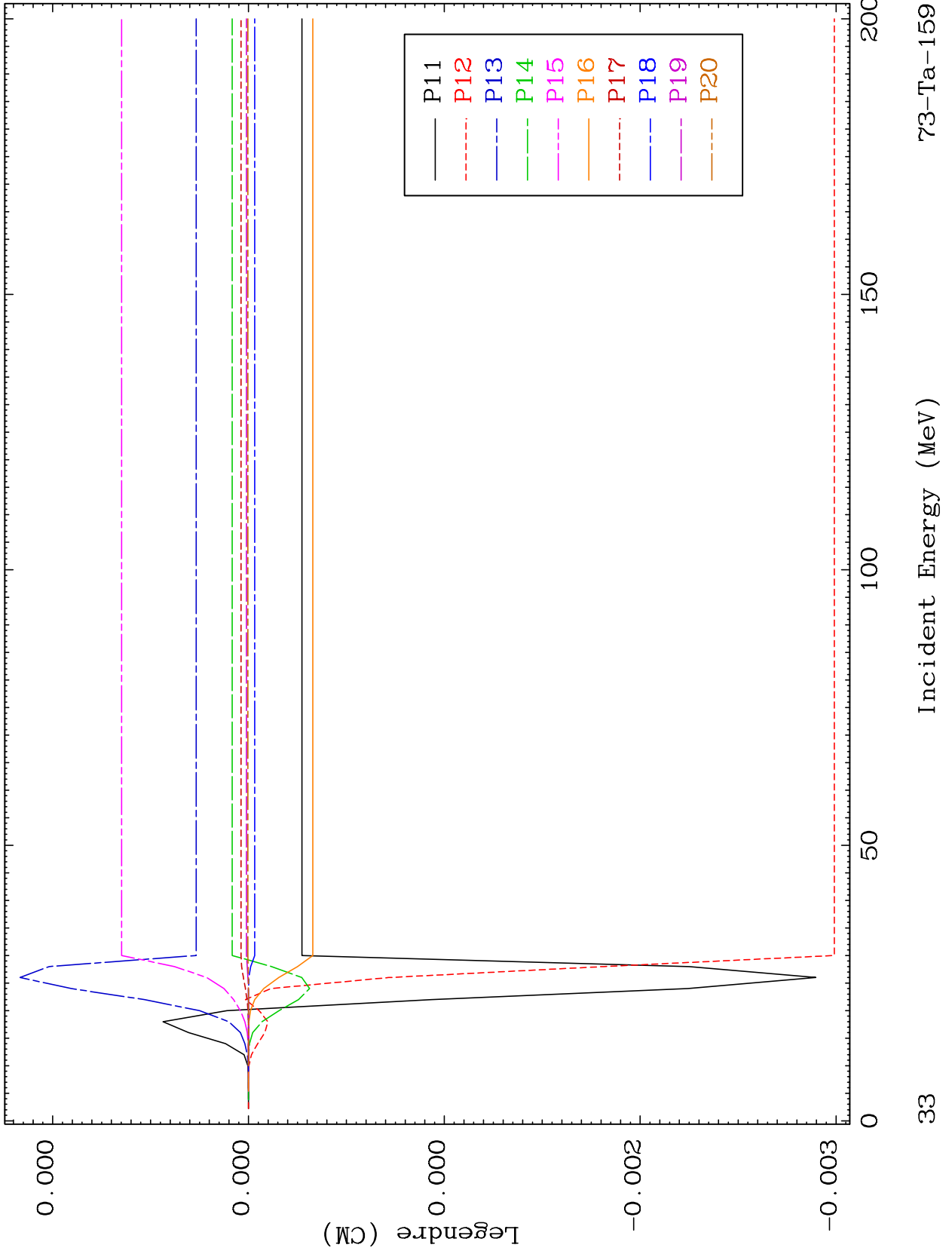
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159

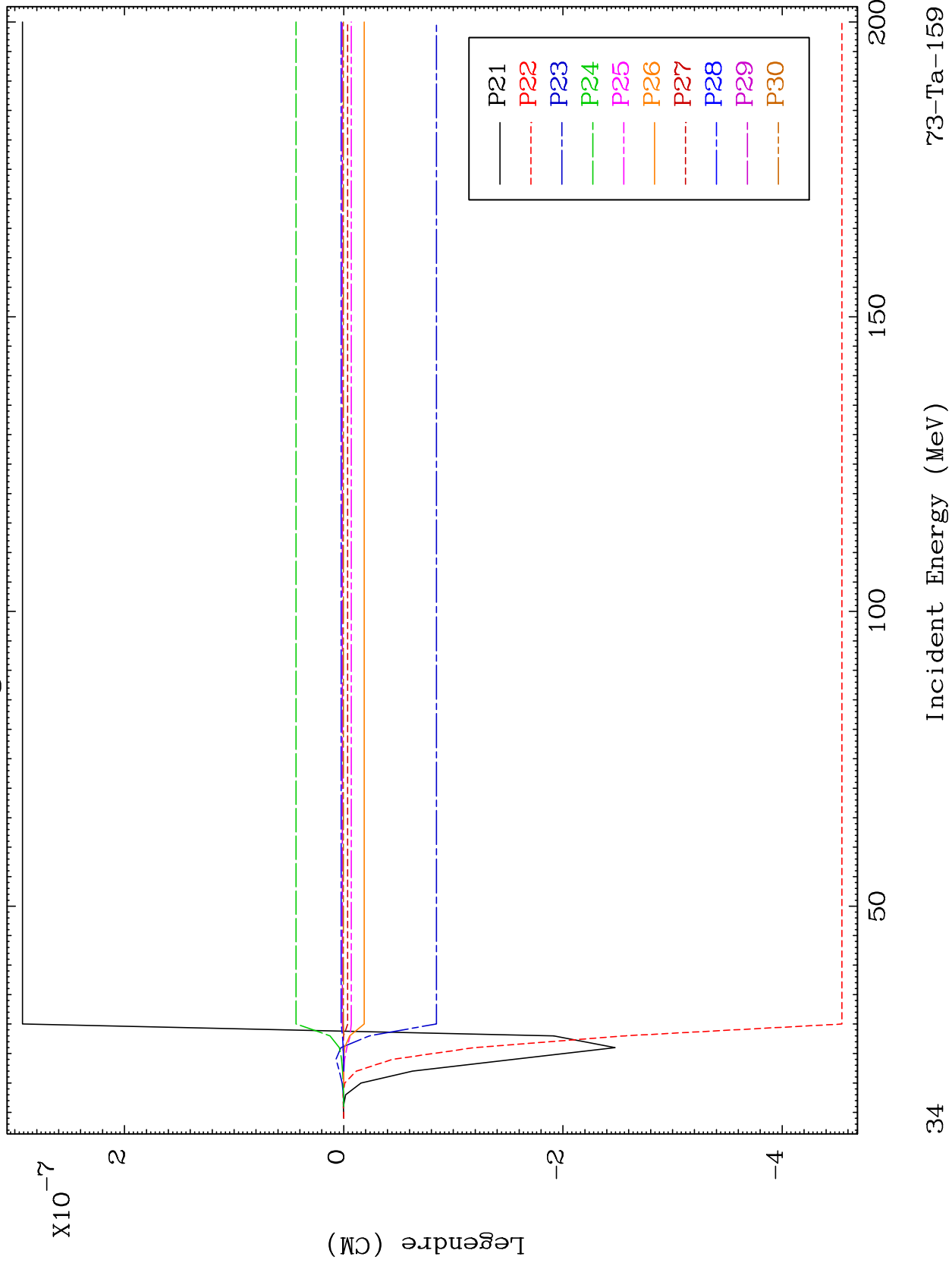


33

MAT 7262

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

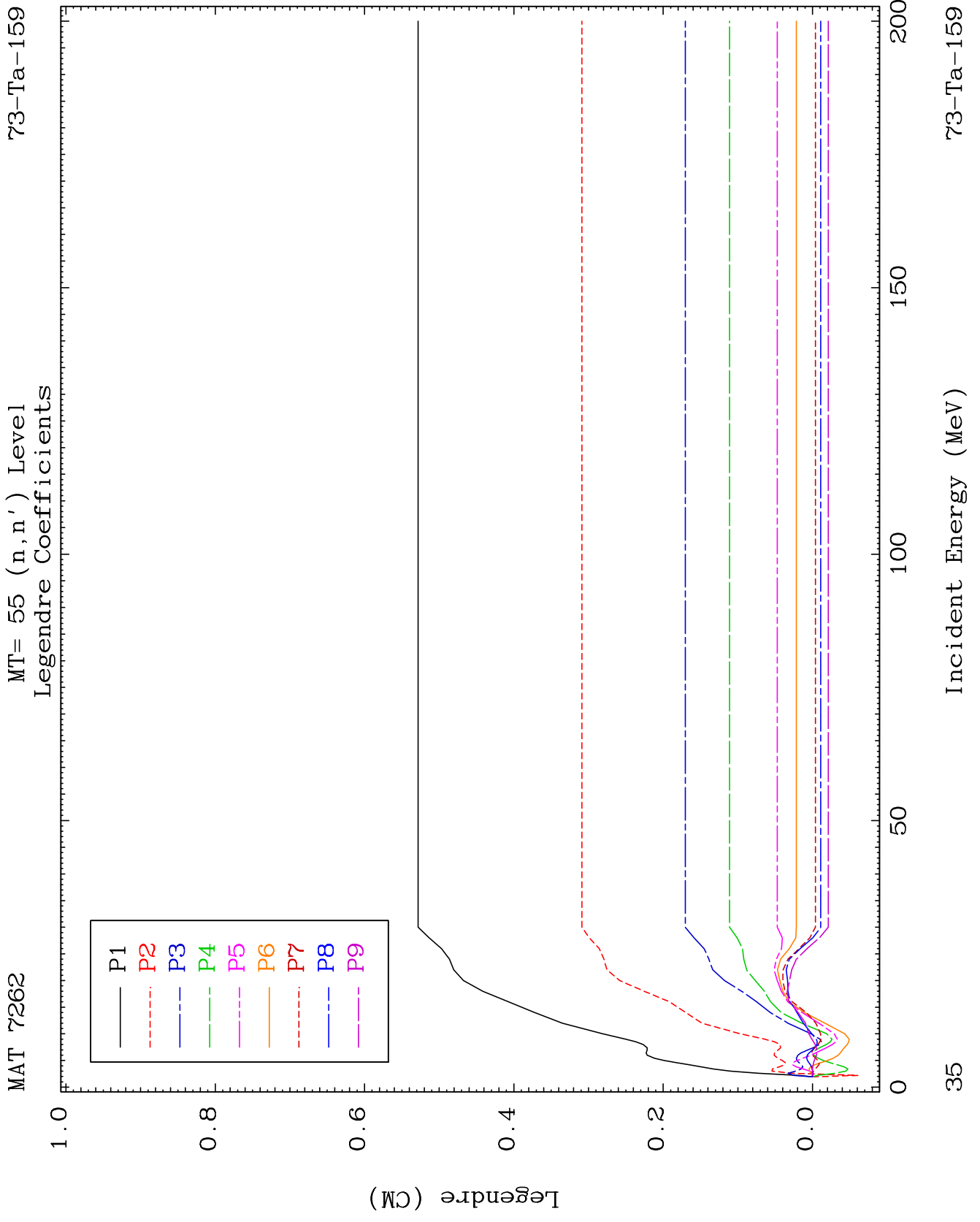
73-Ta-159



34

Incident Energy (MeV)

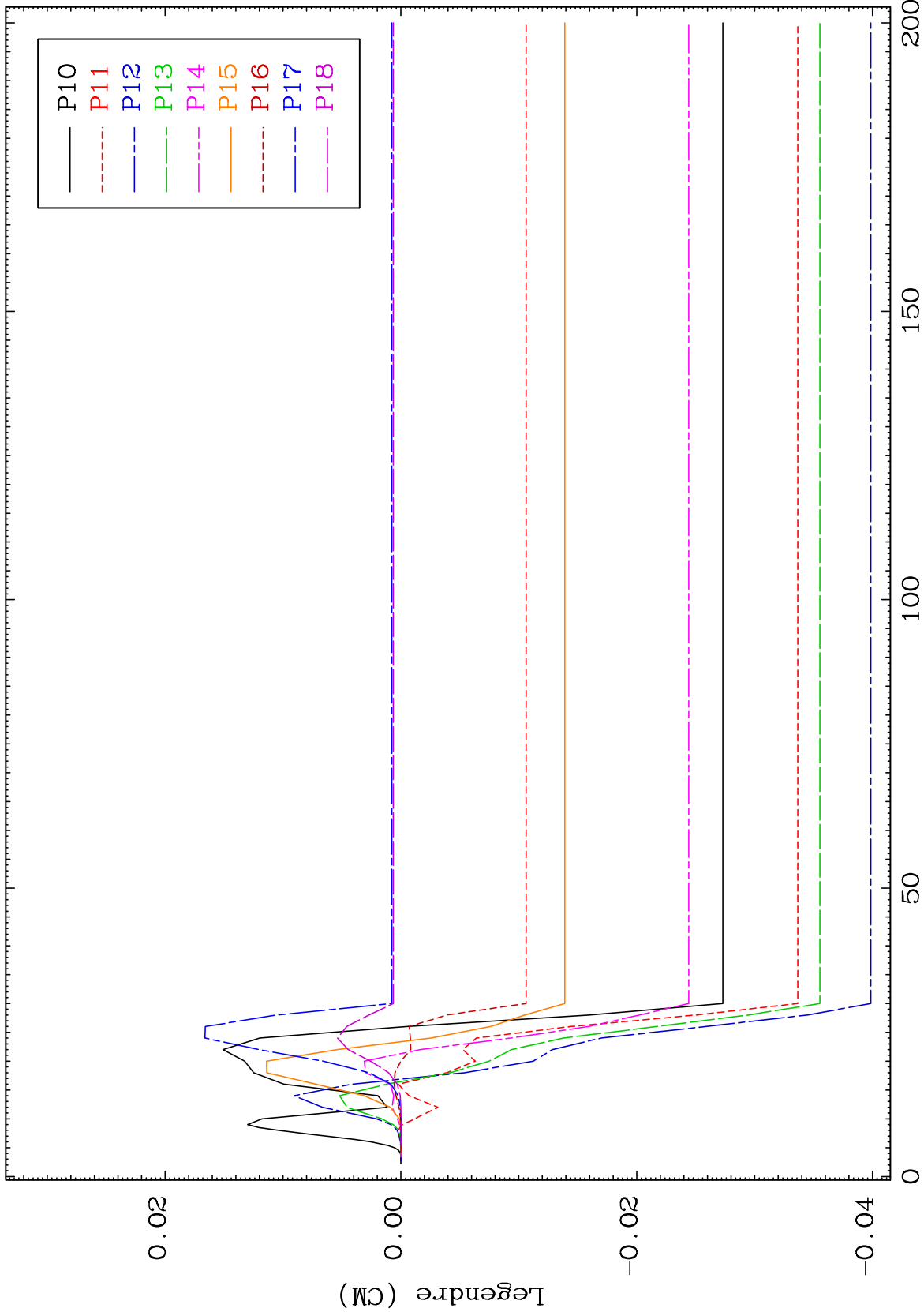
73-Ta-159



MAT 7262

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

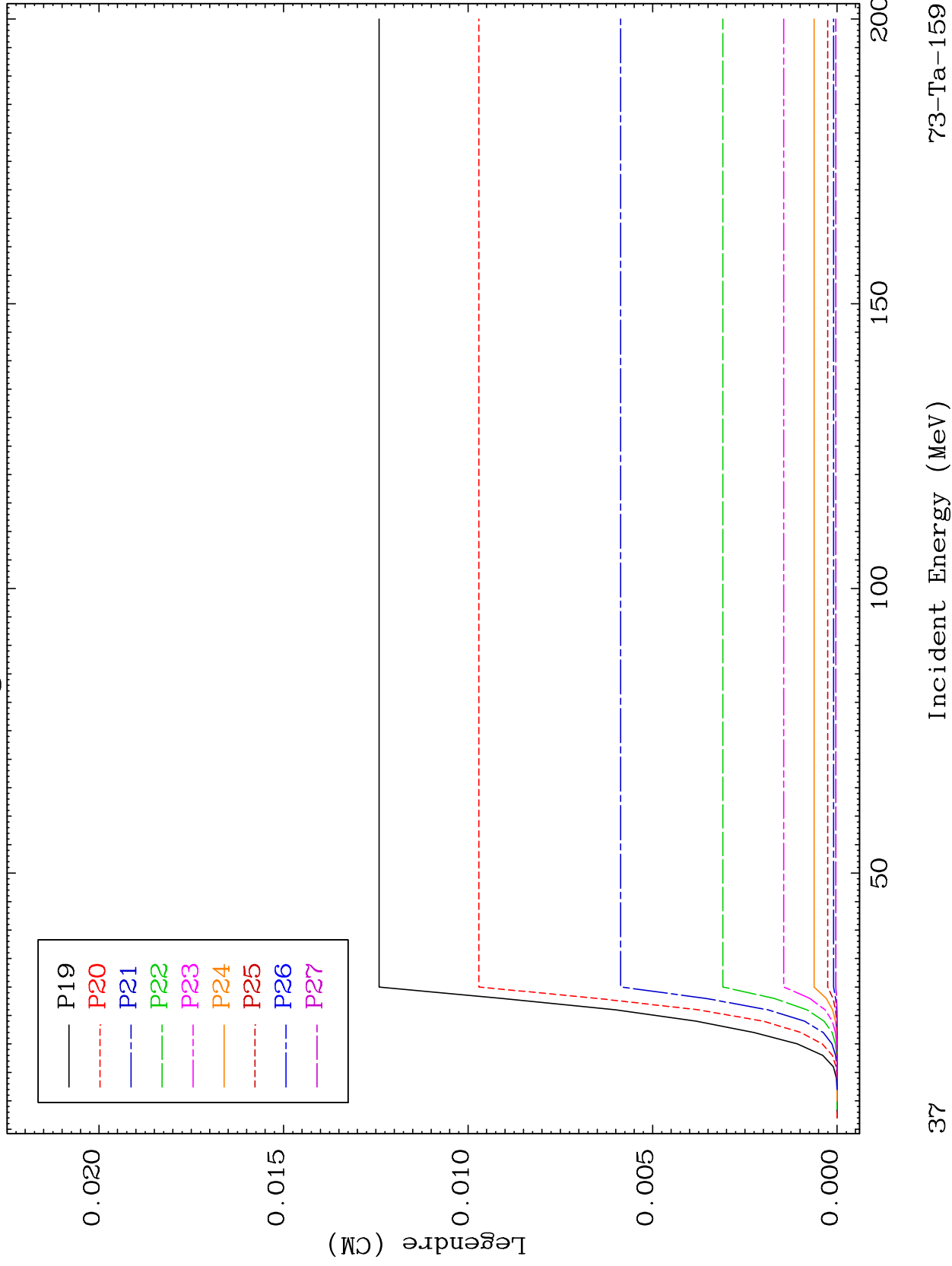
73-Ta-159



36

Incident Energy (MeV)

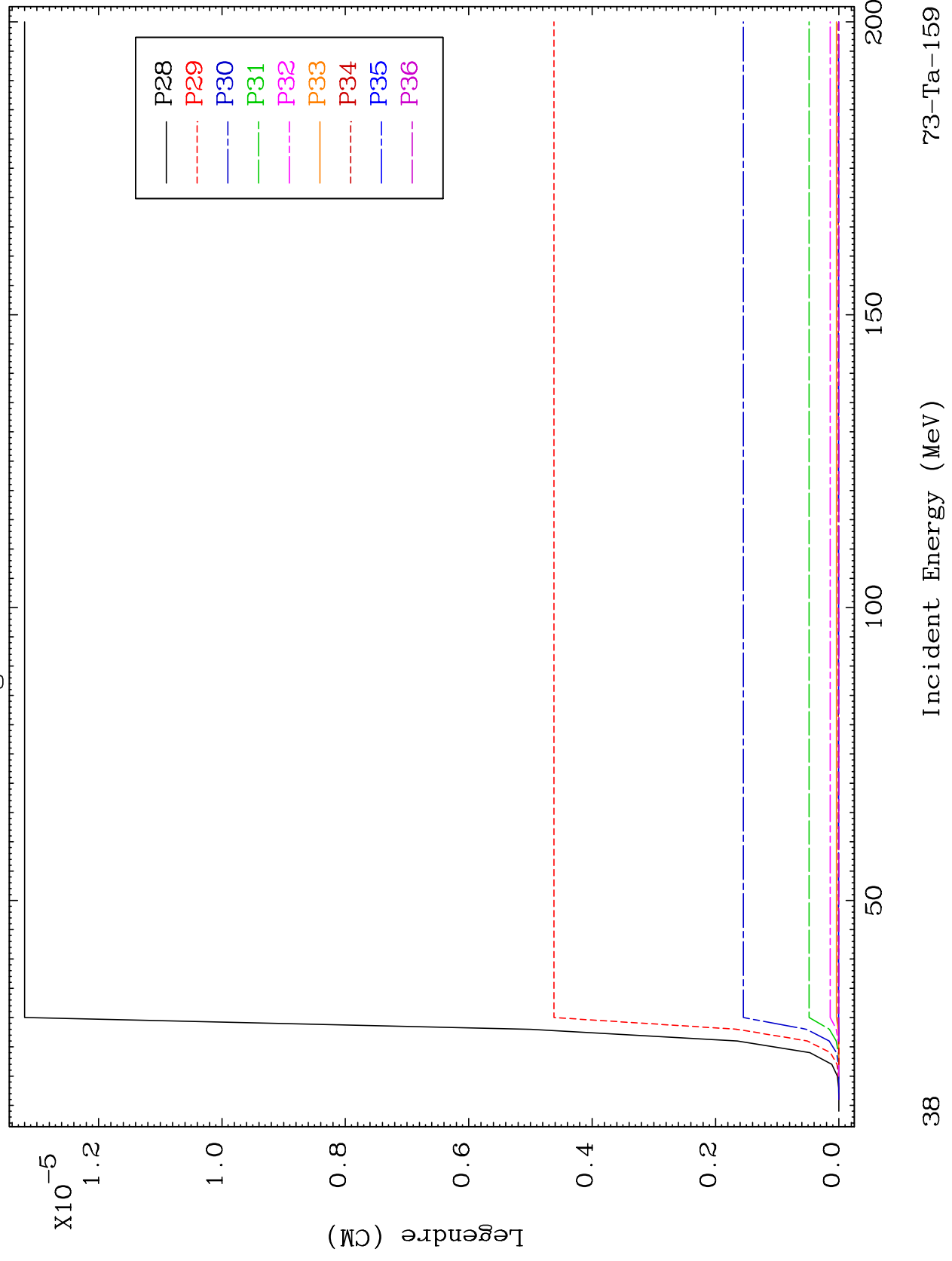
73-Ta-159



MAT 7262

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

73-Ta-159



73-Ta-159

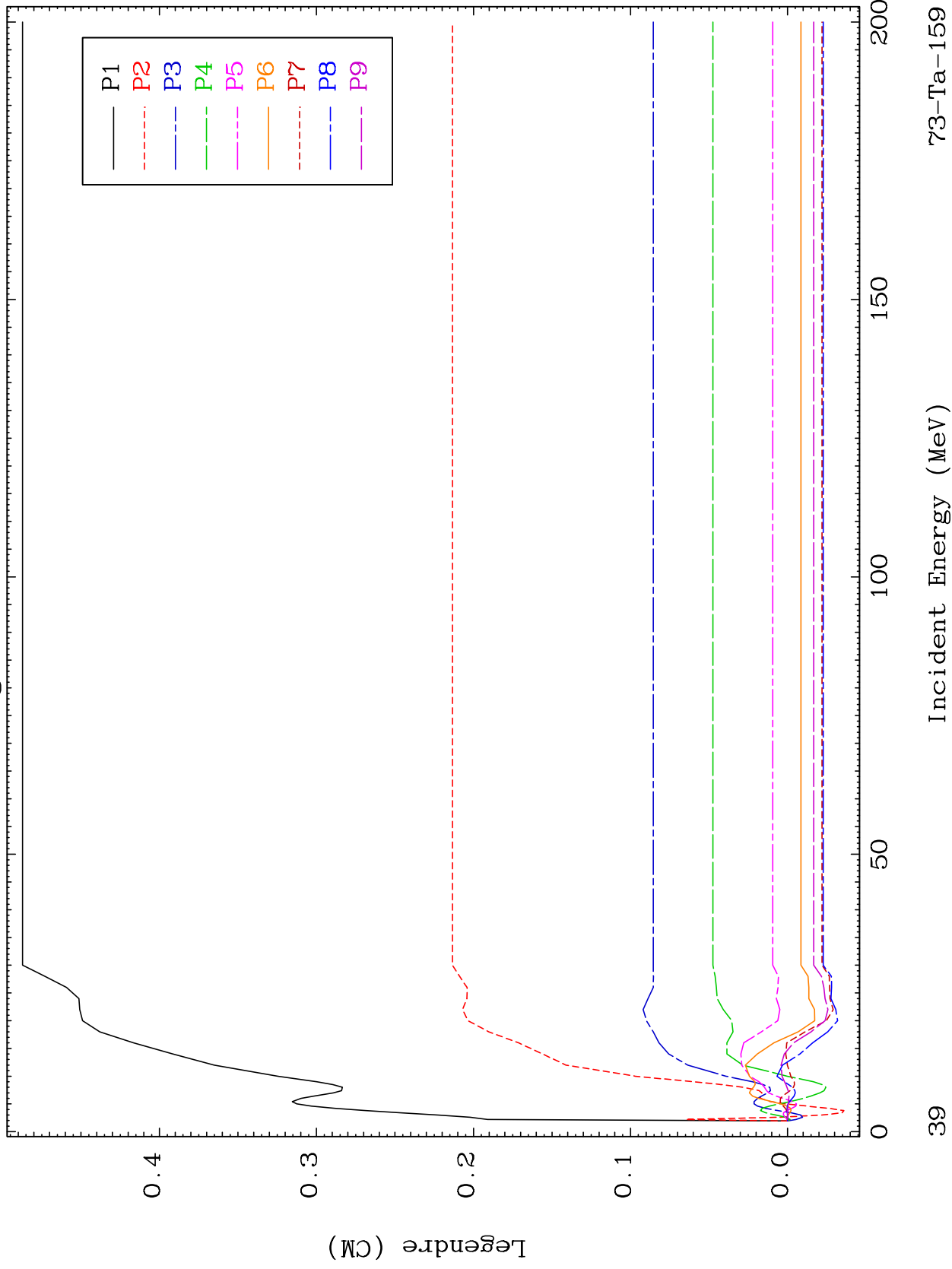
Incident Energy (MeV)

38

MAT 7262

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

73-Ta-159



73-Ta-159

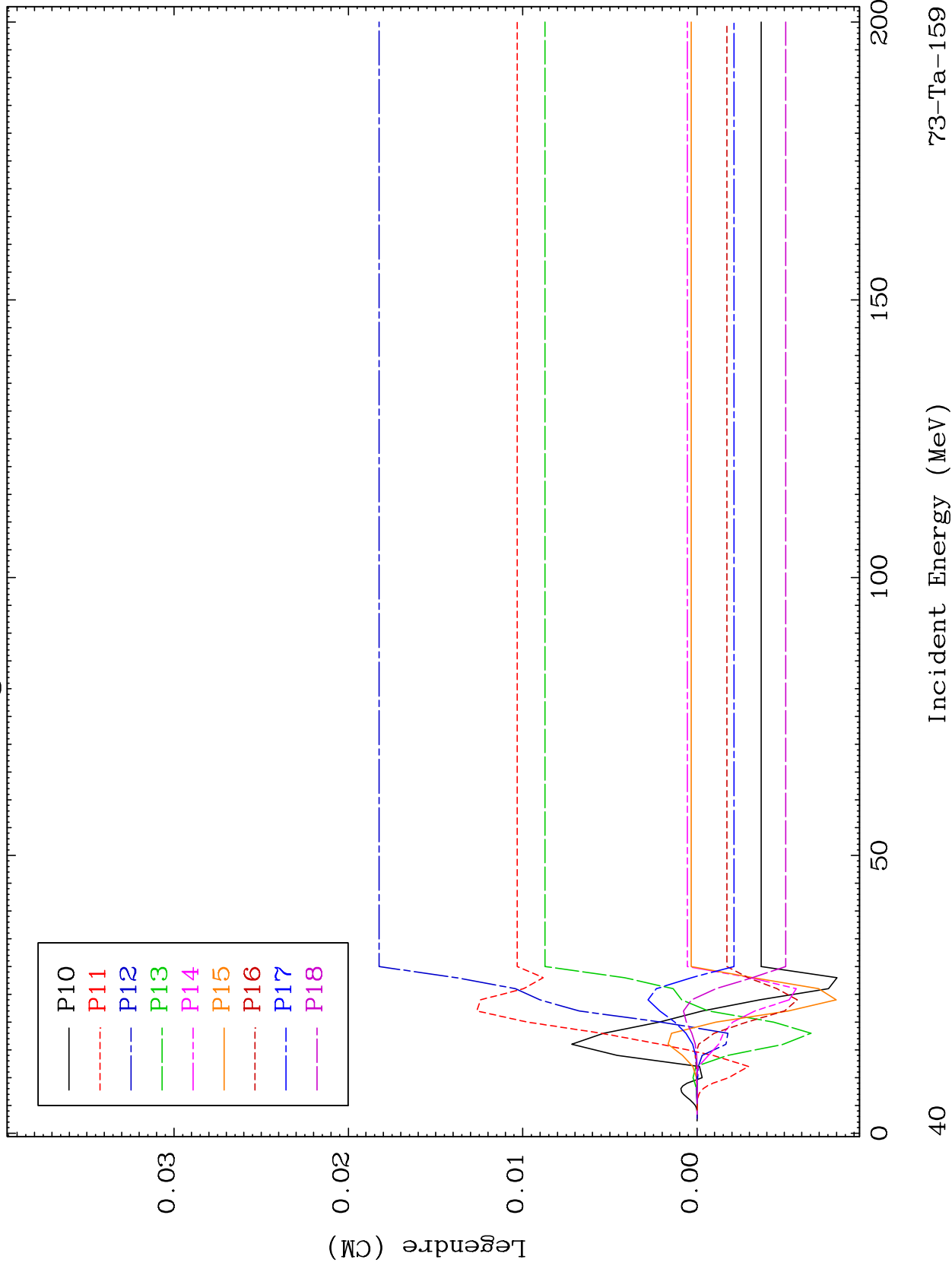
Incident Energy (MeV)

39

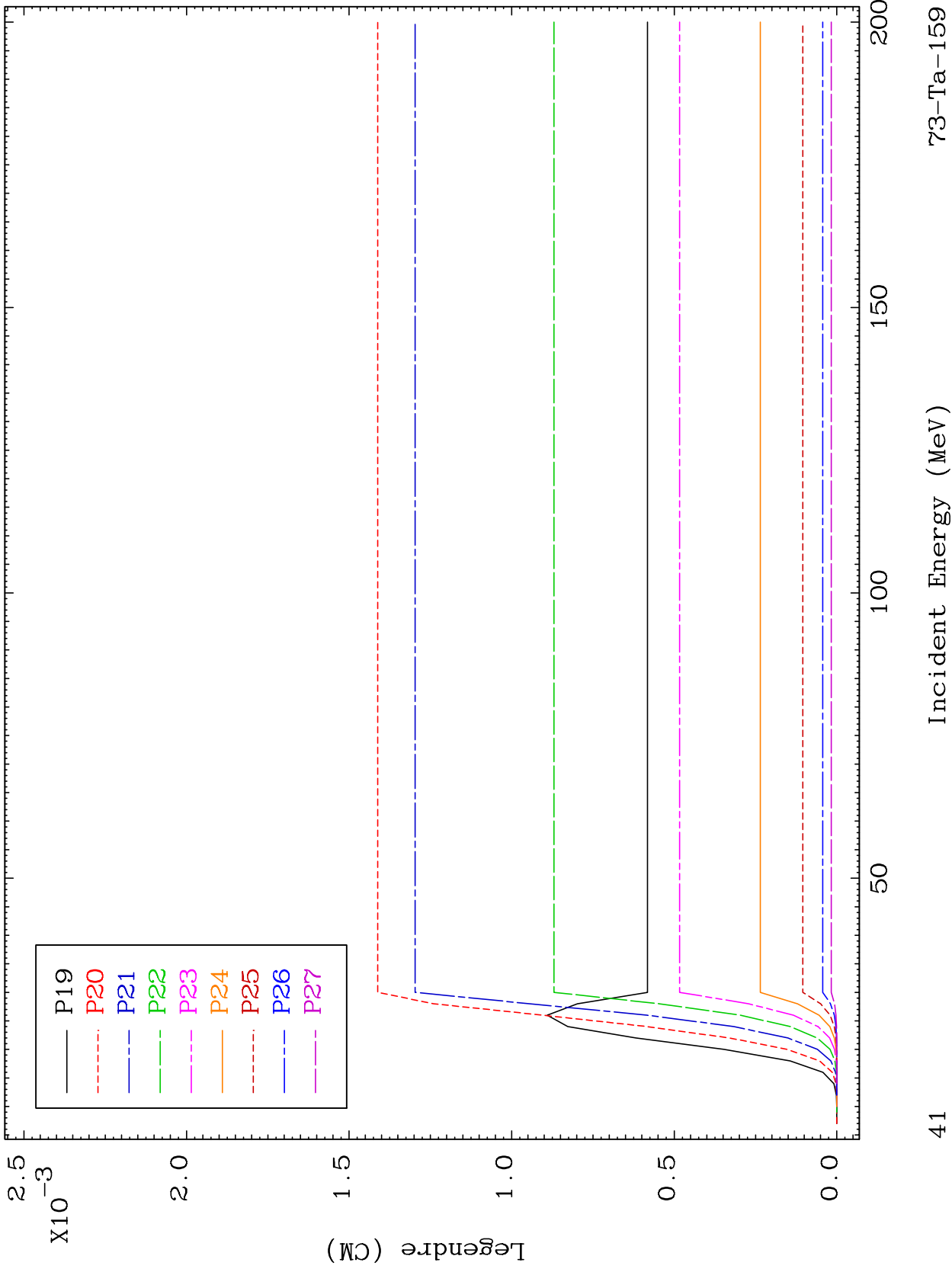
MAT 7262

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

73-Ta-159



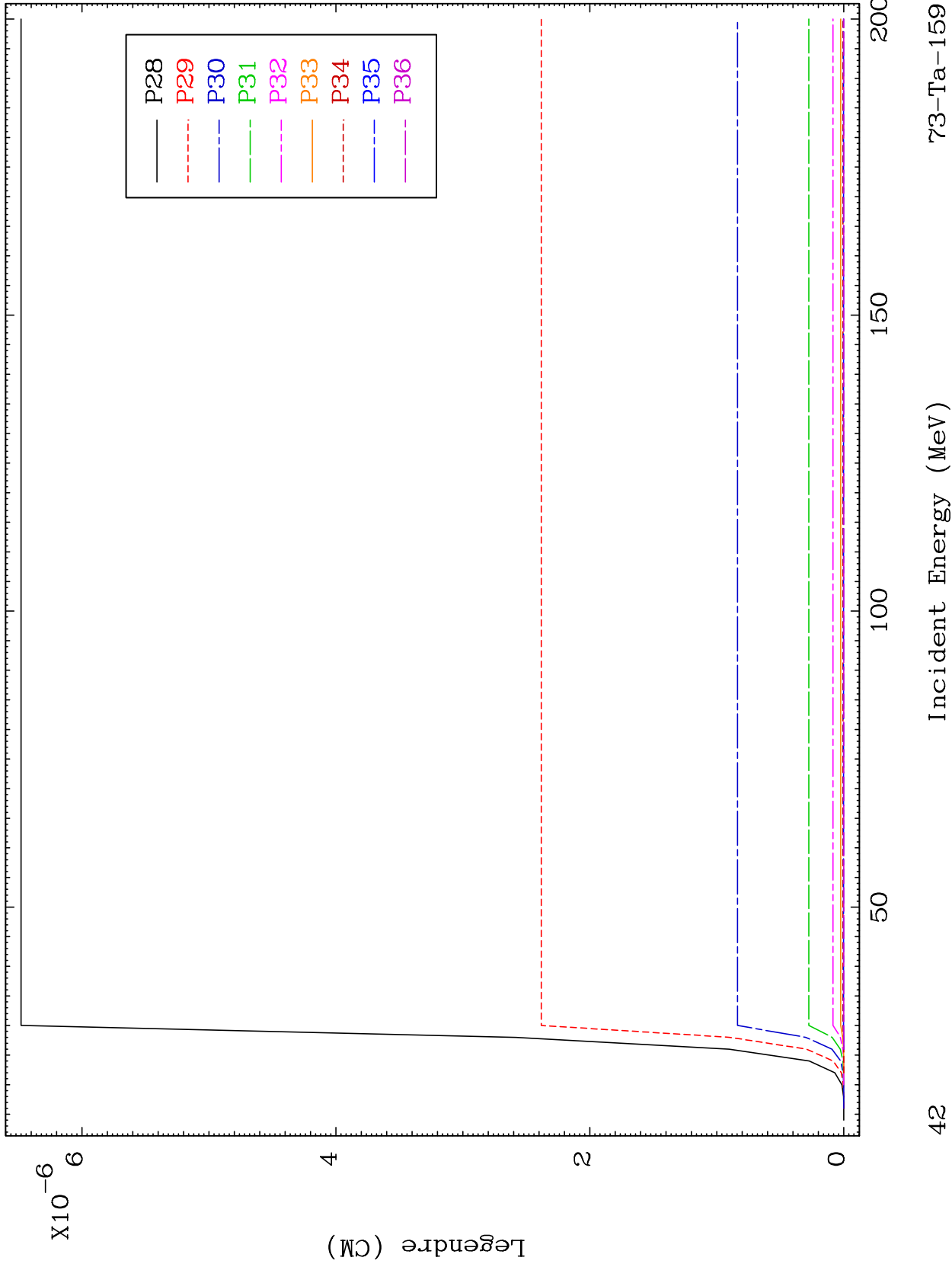
73-Ta-159



MAT 7262

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

73-Ta-159



42

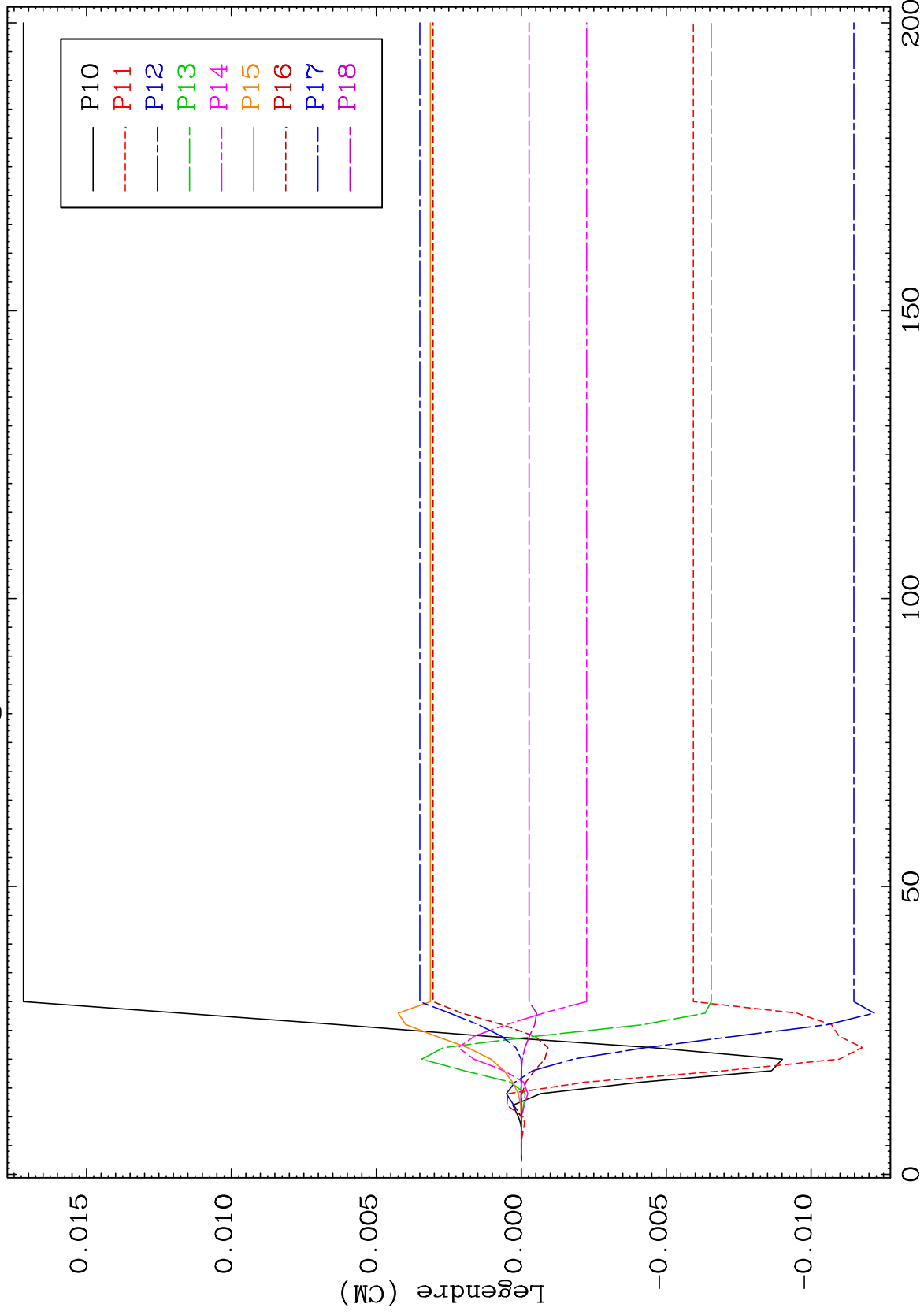
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



44

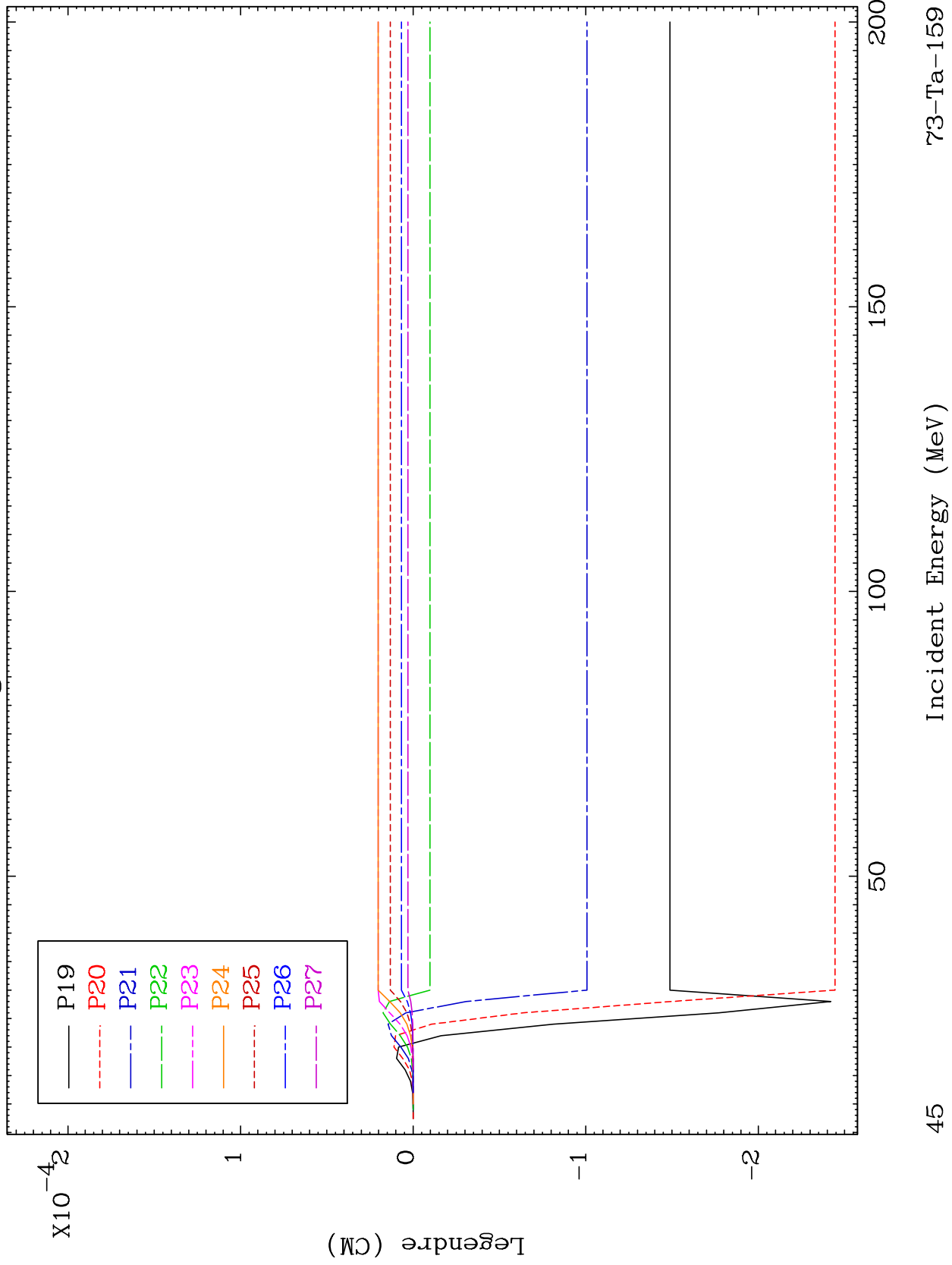
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



45

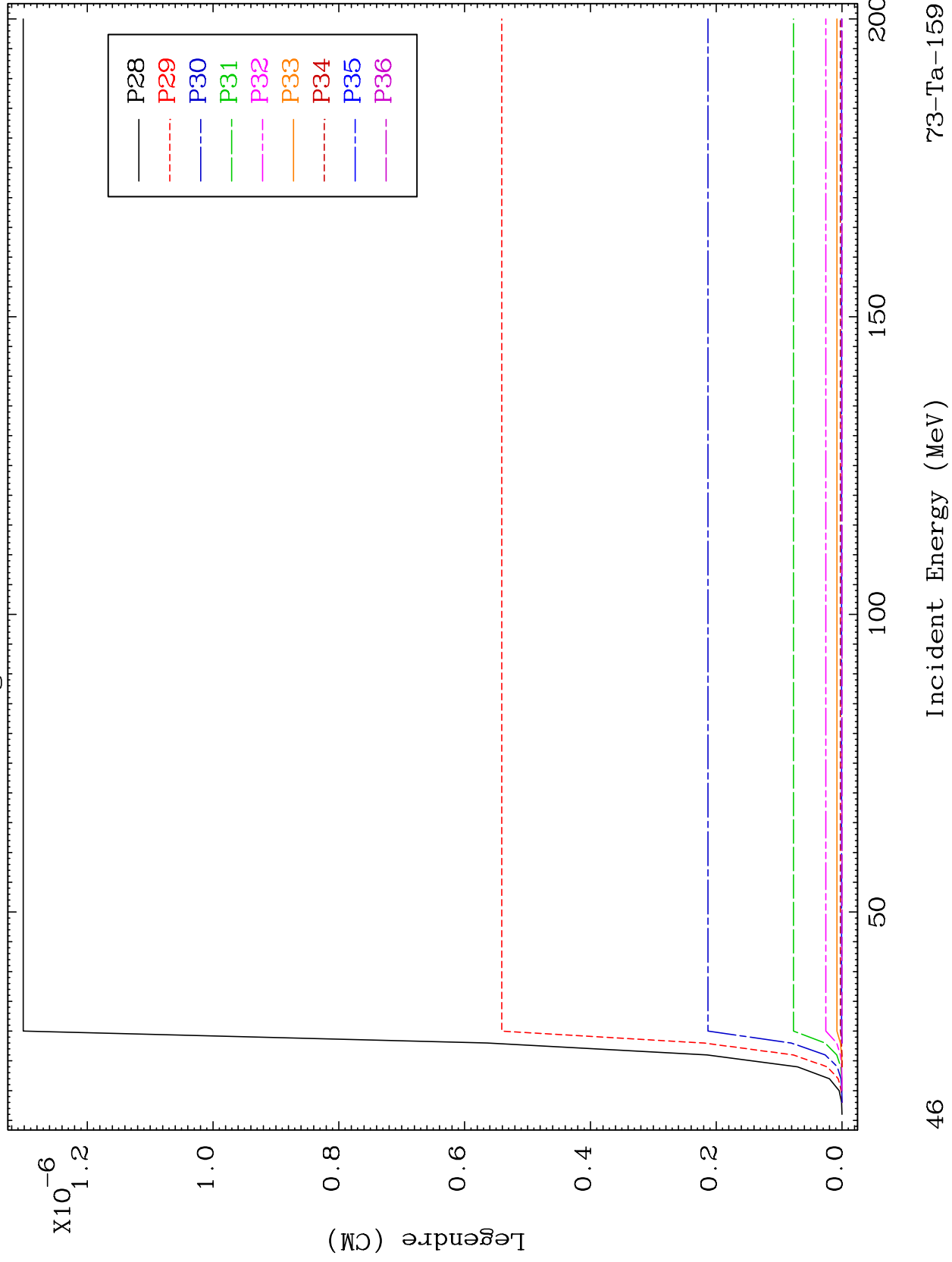
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



46

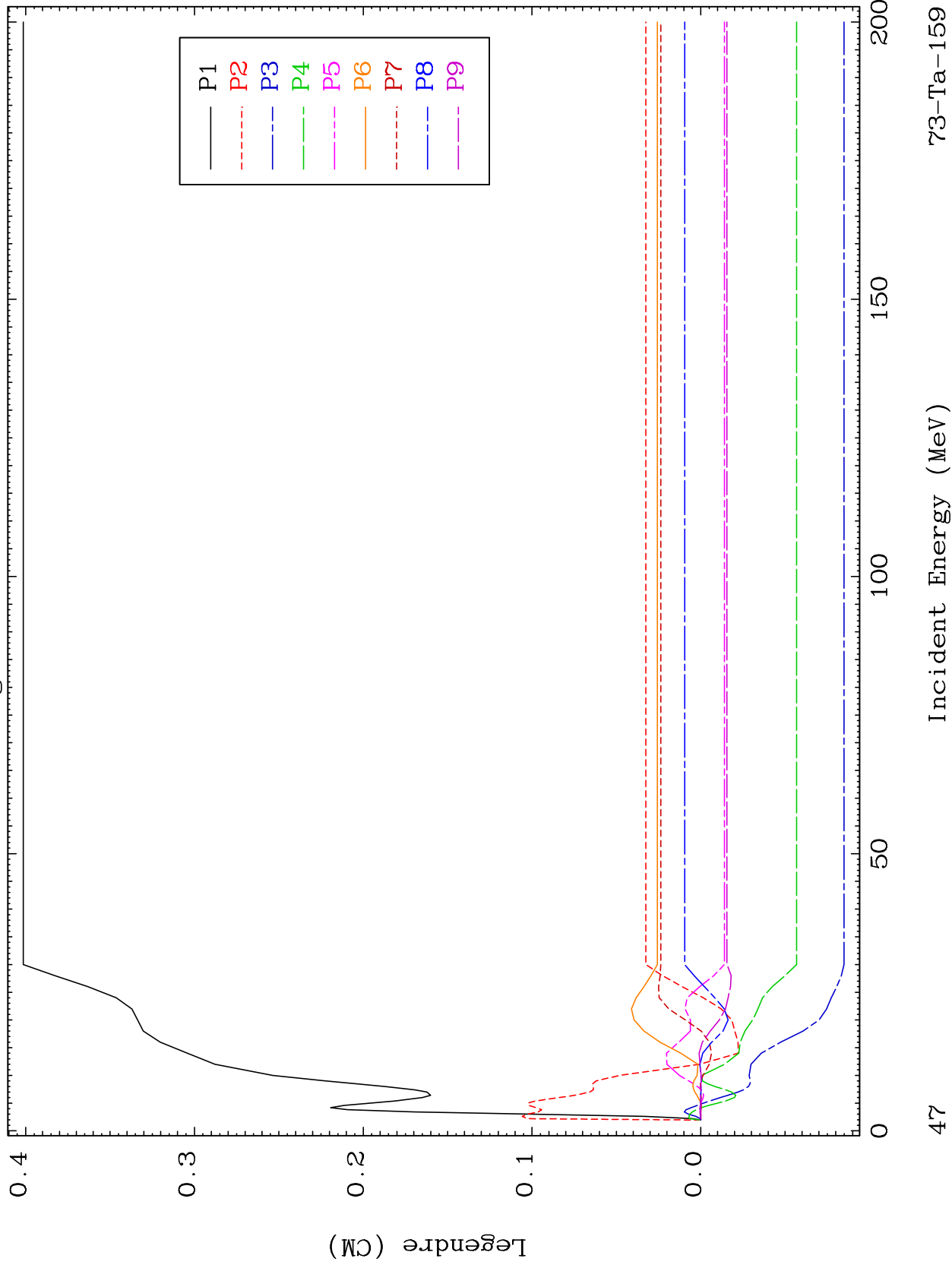
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



47

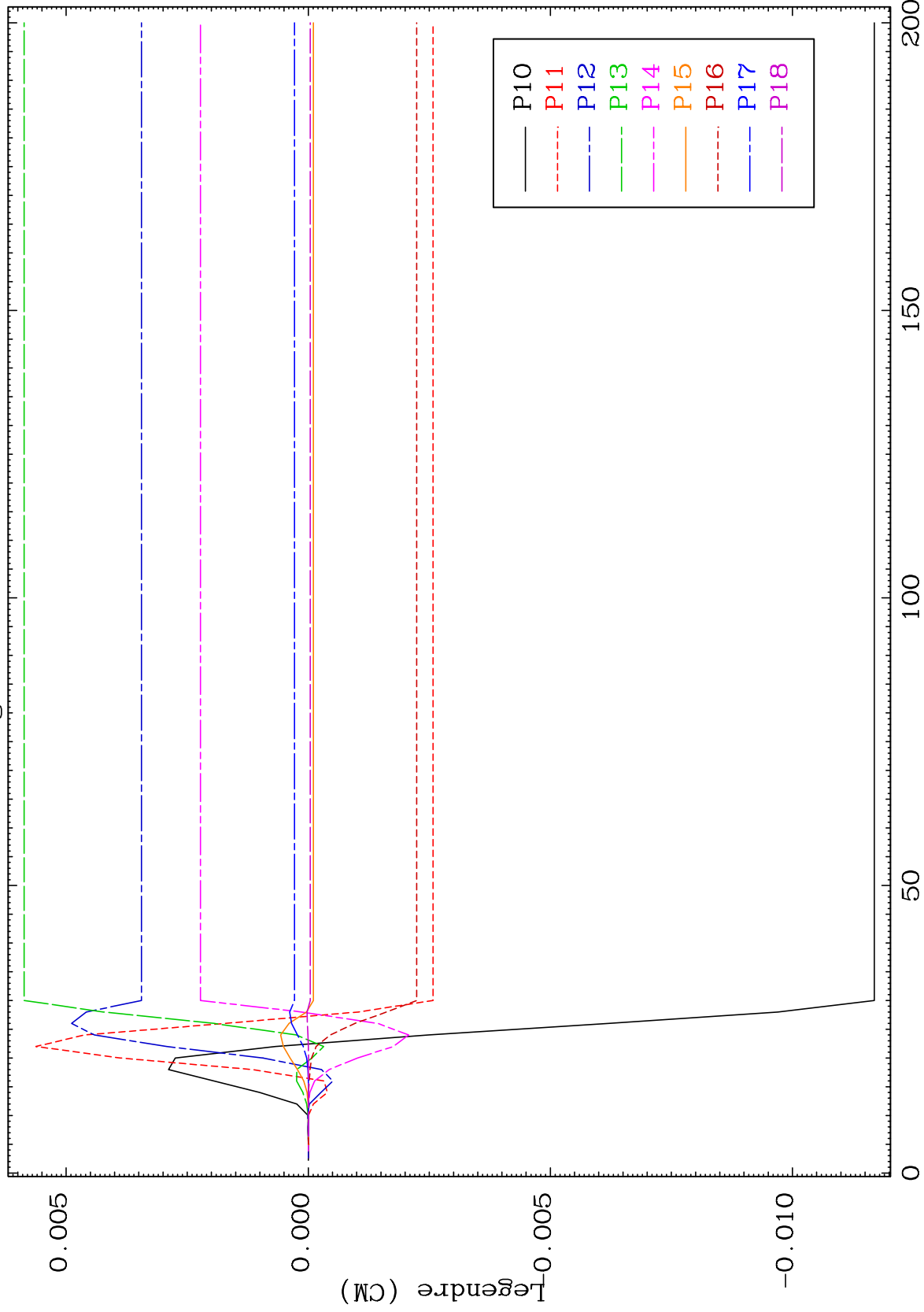
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



48

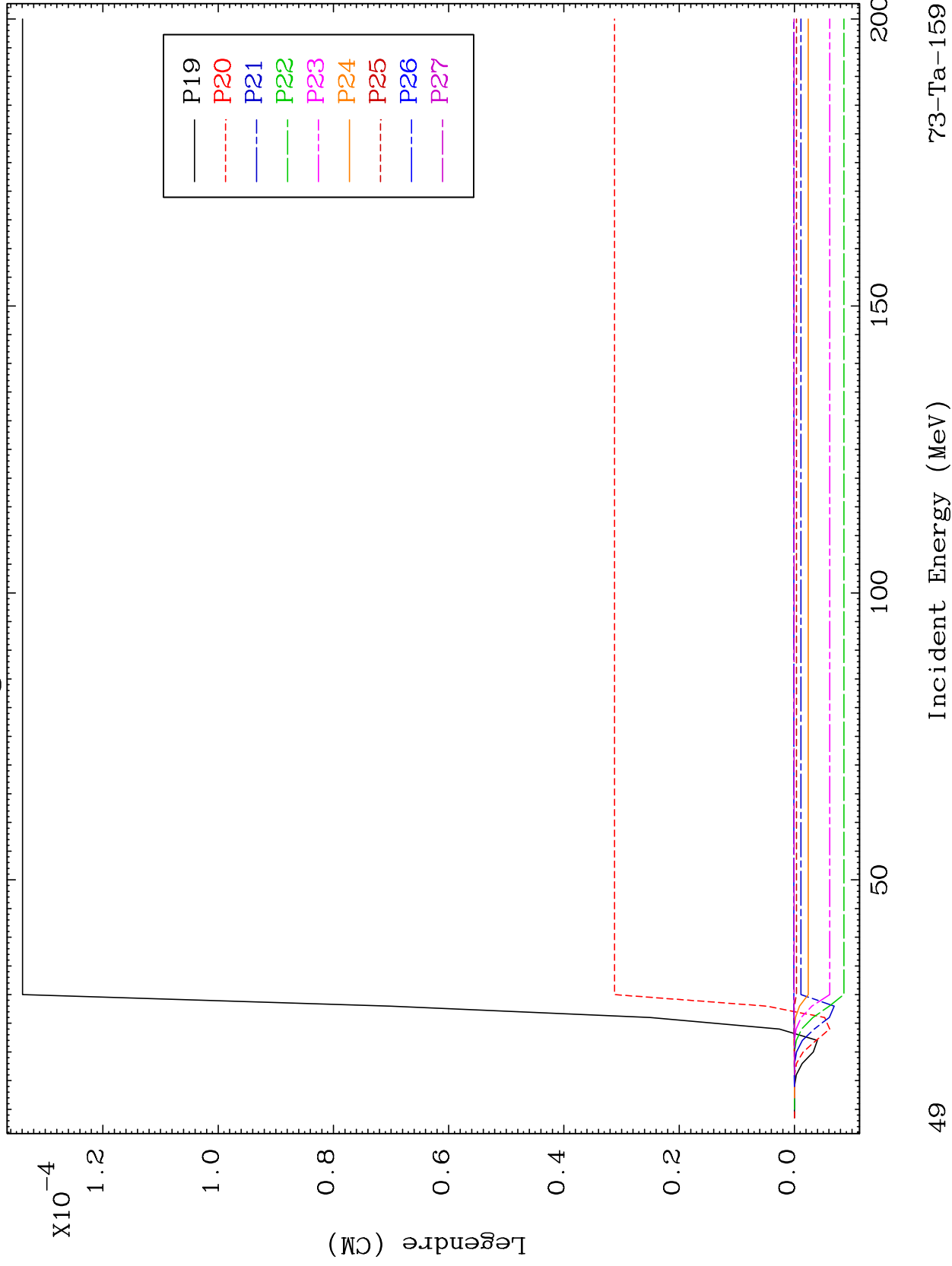
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



49

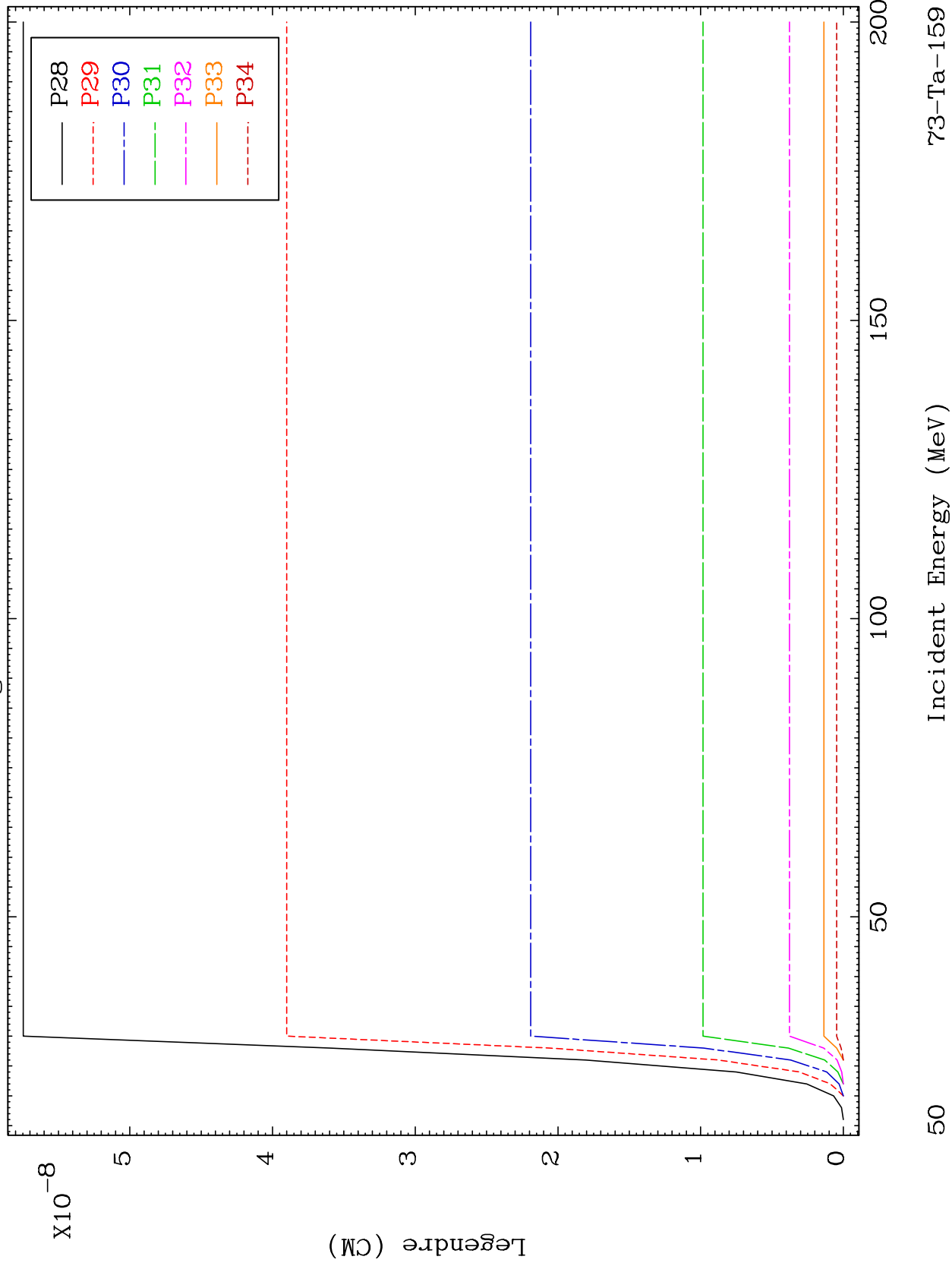
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159

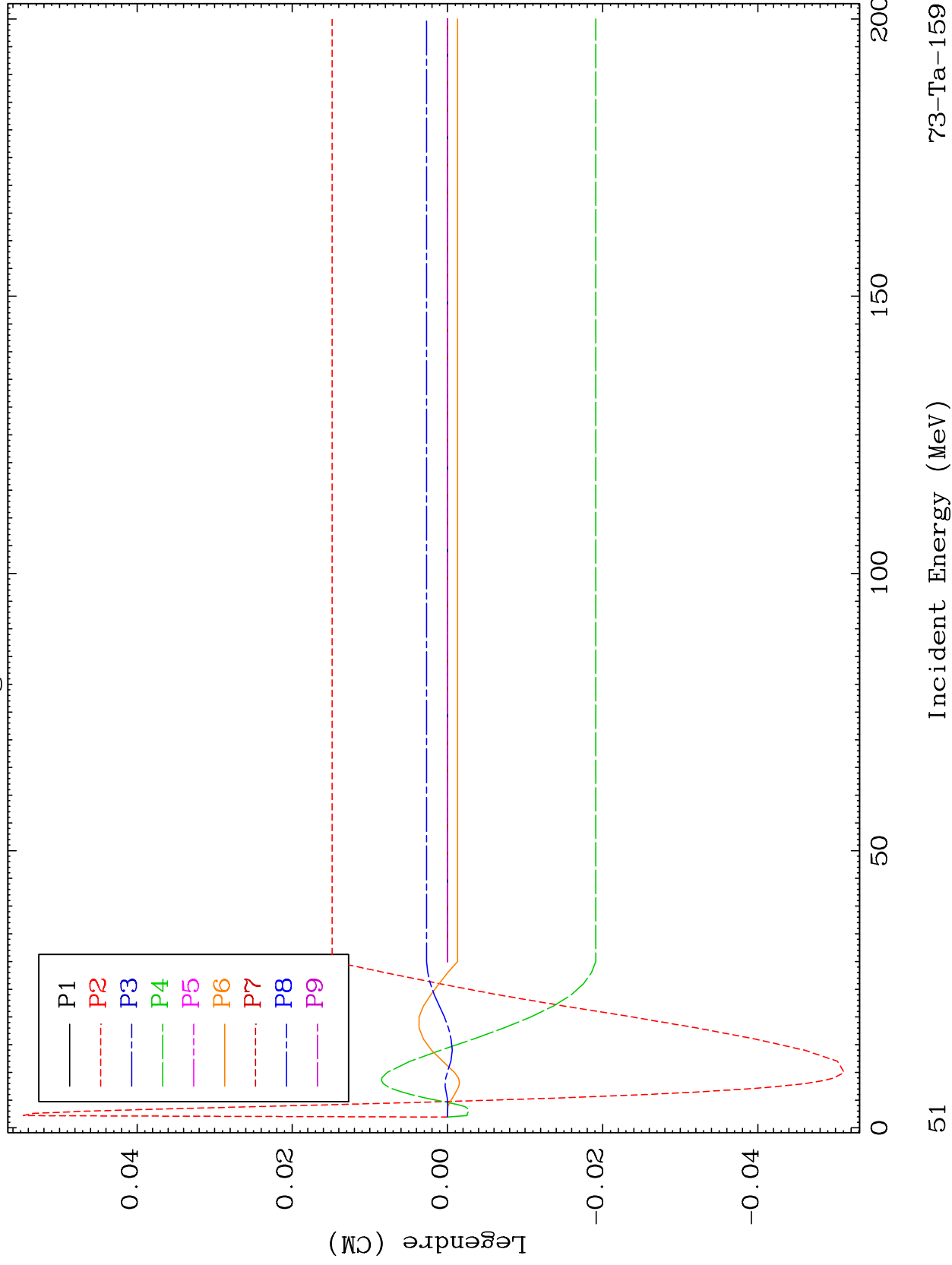


73-Ta-159

MAT 7262

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

⁷³Ta-159

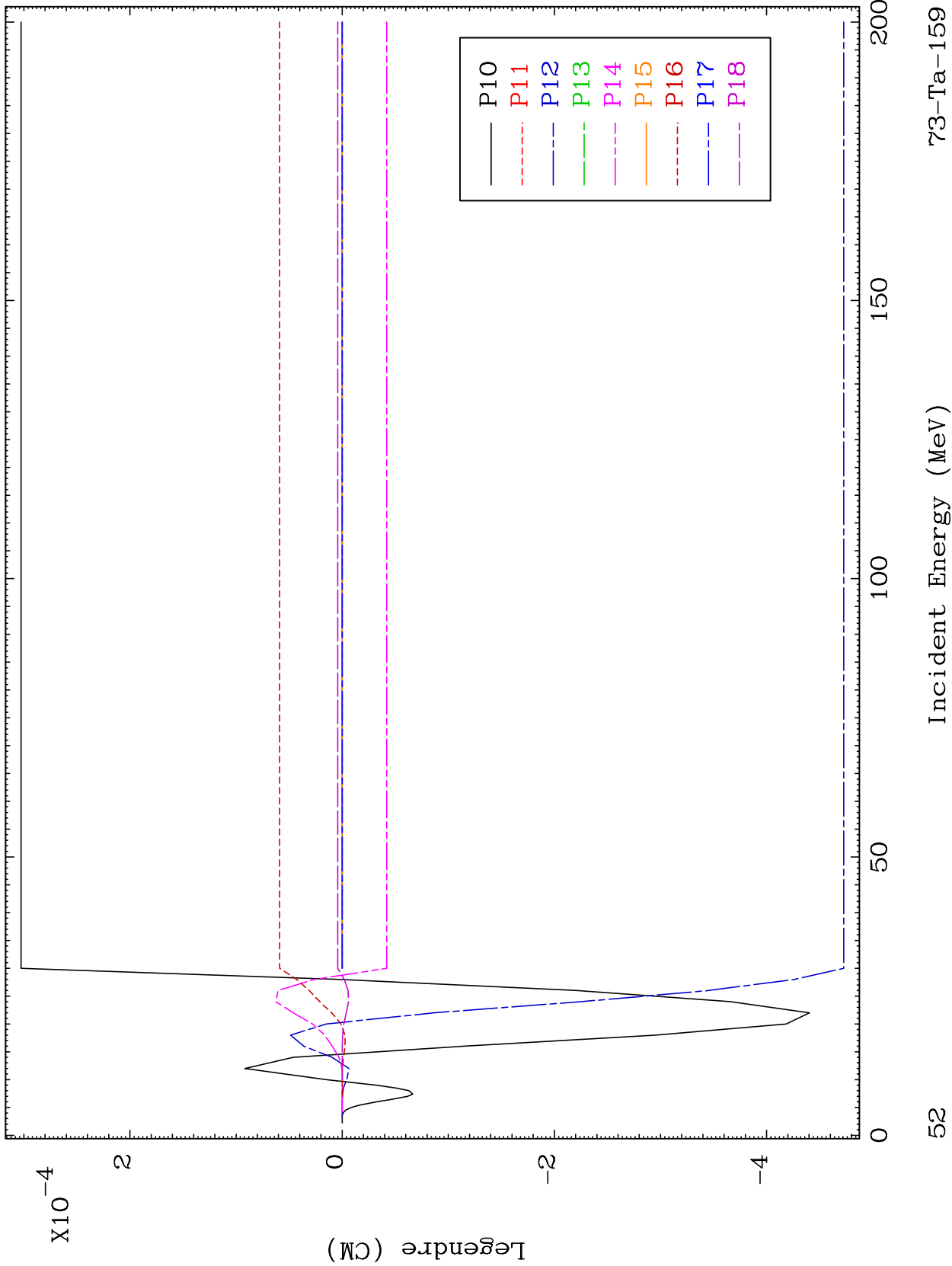


51

MAT 7262

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

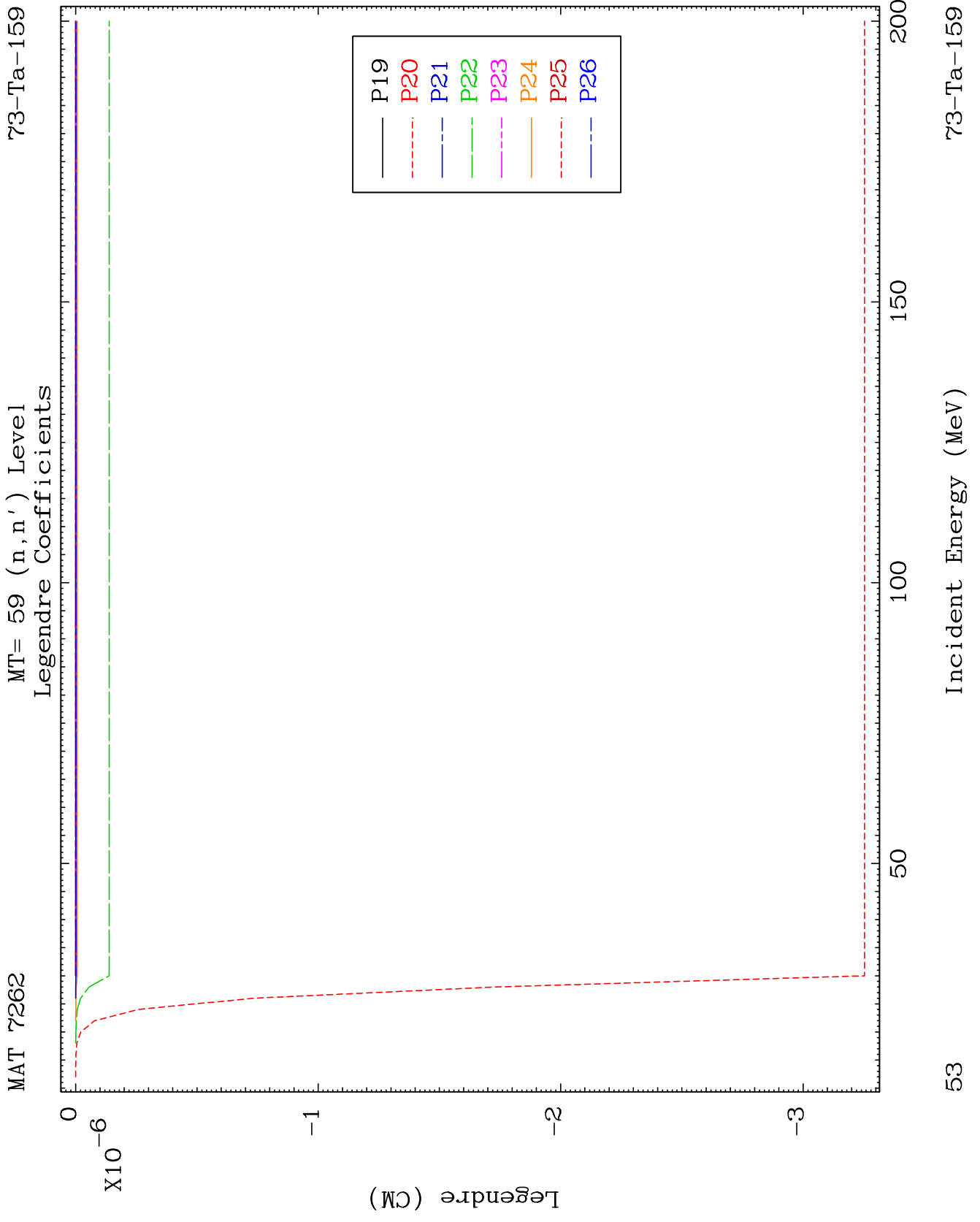
73-Ta-159



52

73-Ta-159

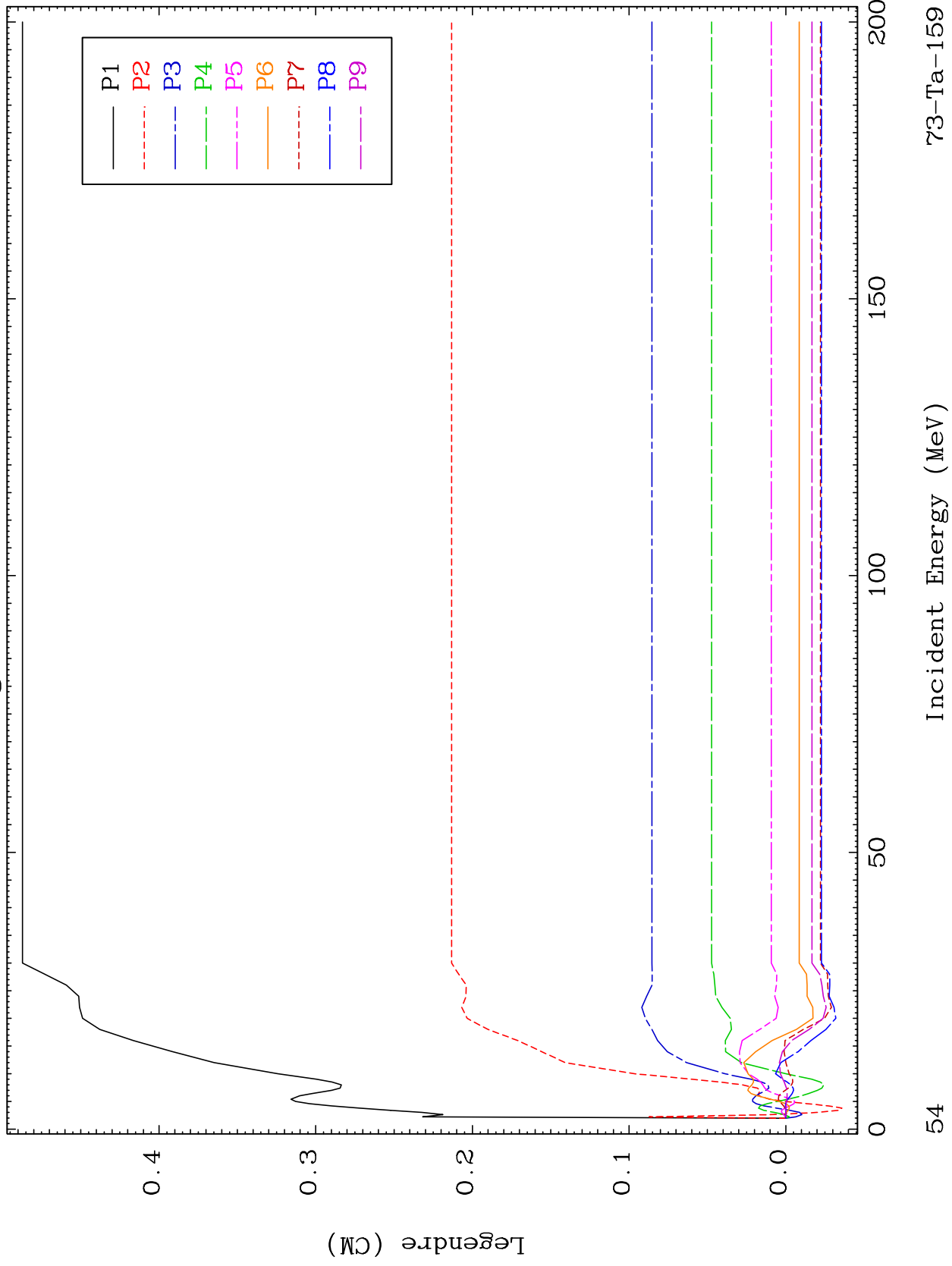
73-Ta-159



MAT 7262

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

⁷³Ta-159



⁷³Ta-159

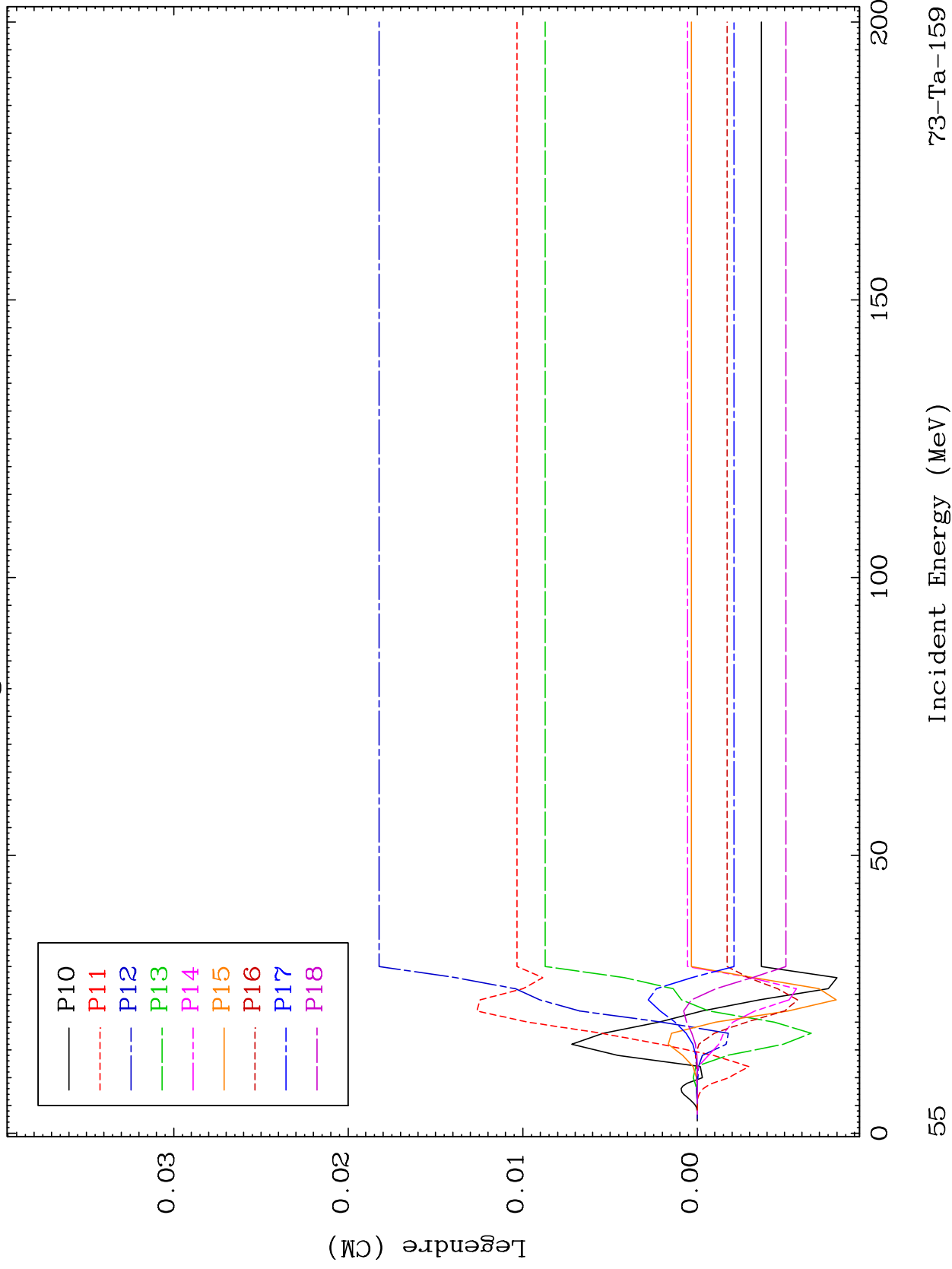
Incident Energy (MeV)

54

MAT 7262

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

73-Ta-159



73-Ta-159

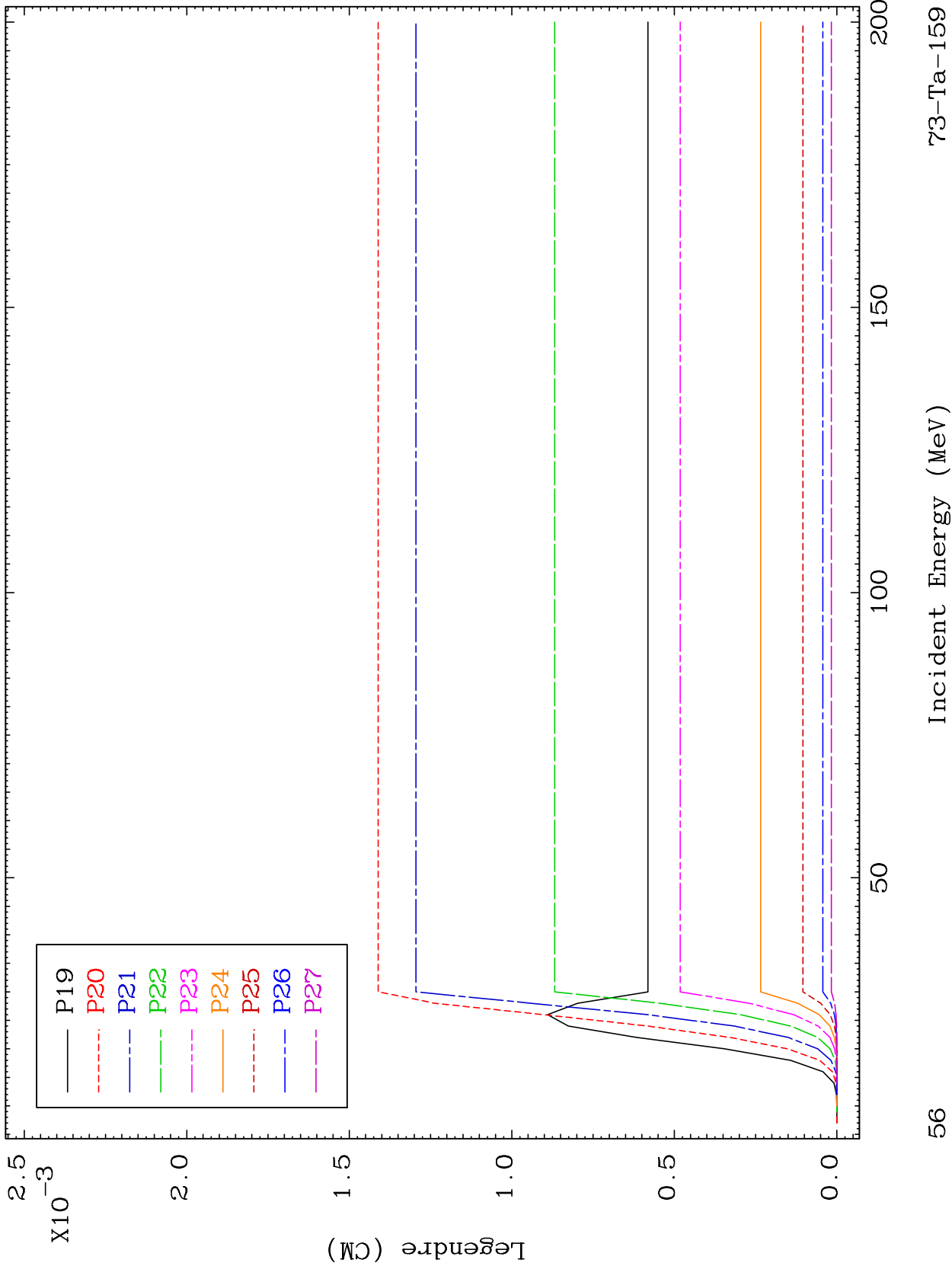
Incident Energy (MeV)

55

MAT 7262

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

73-Ta-159



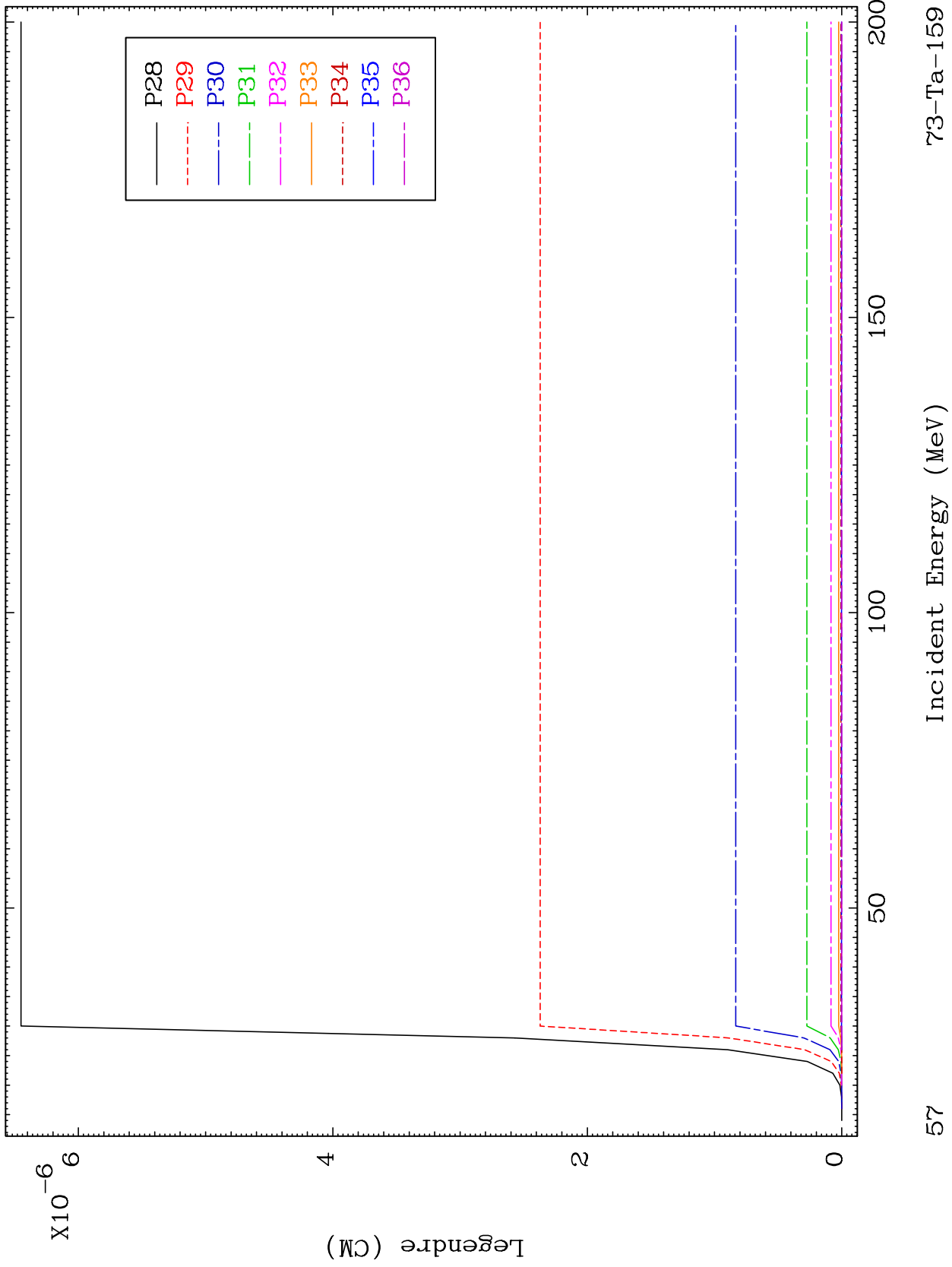
56

200

MAT 7262

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

73-Ta-159



57

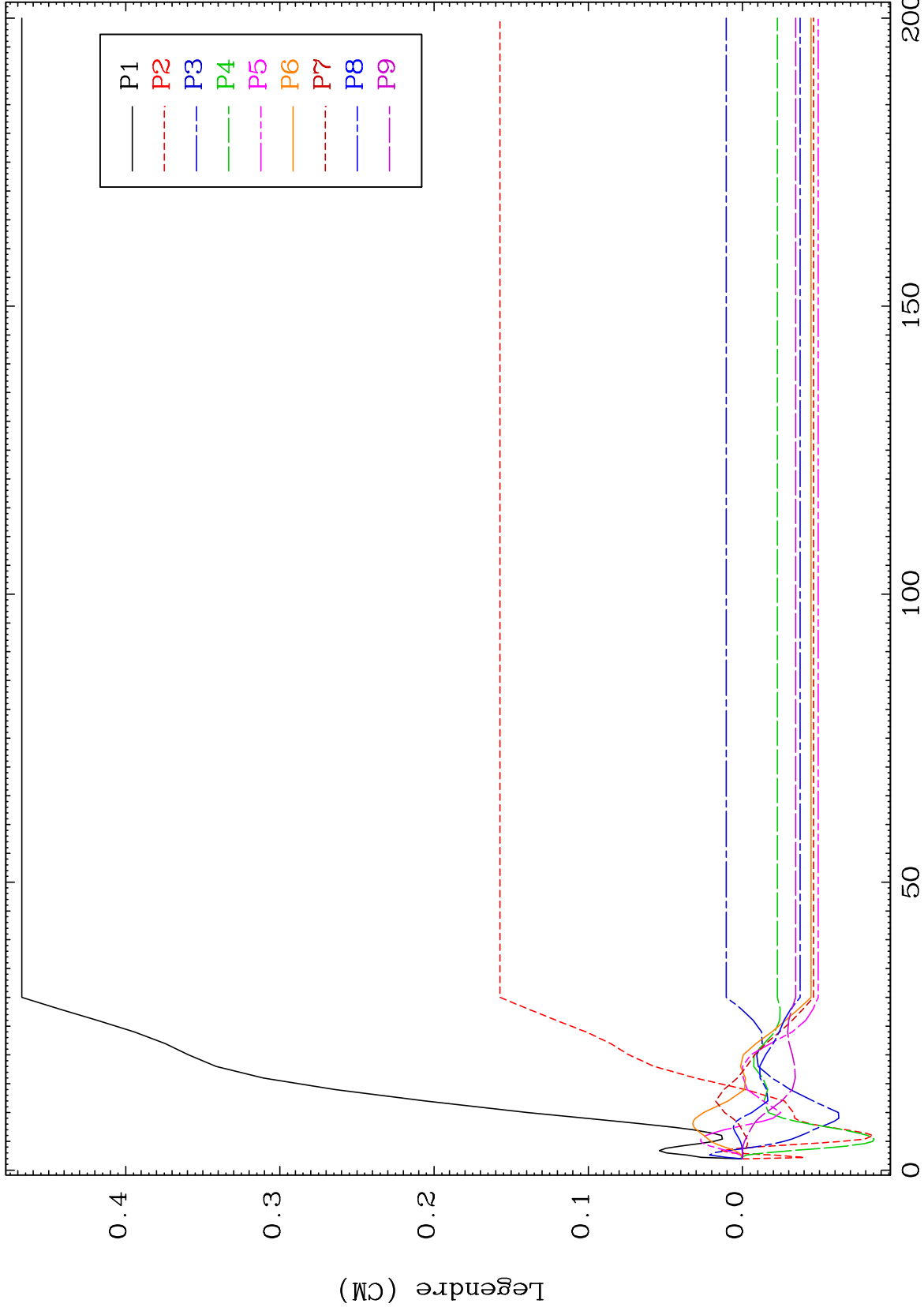
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

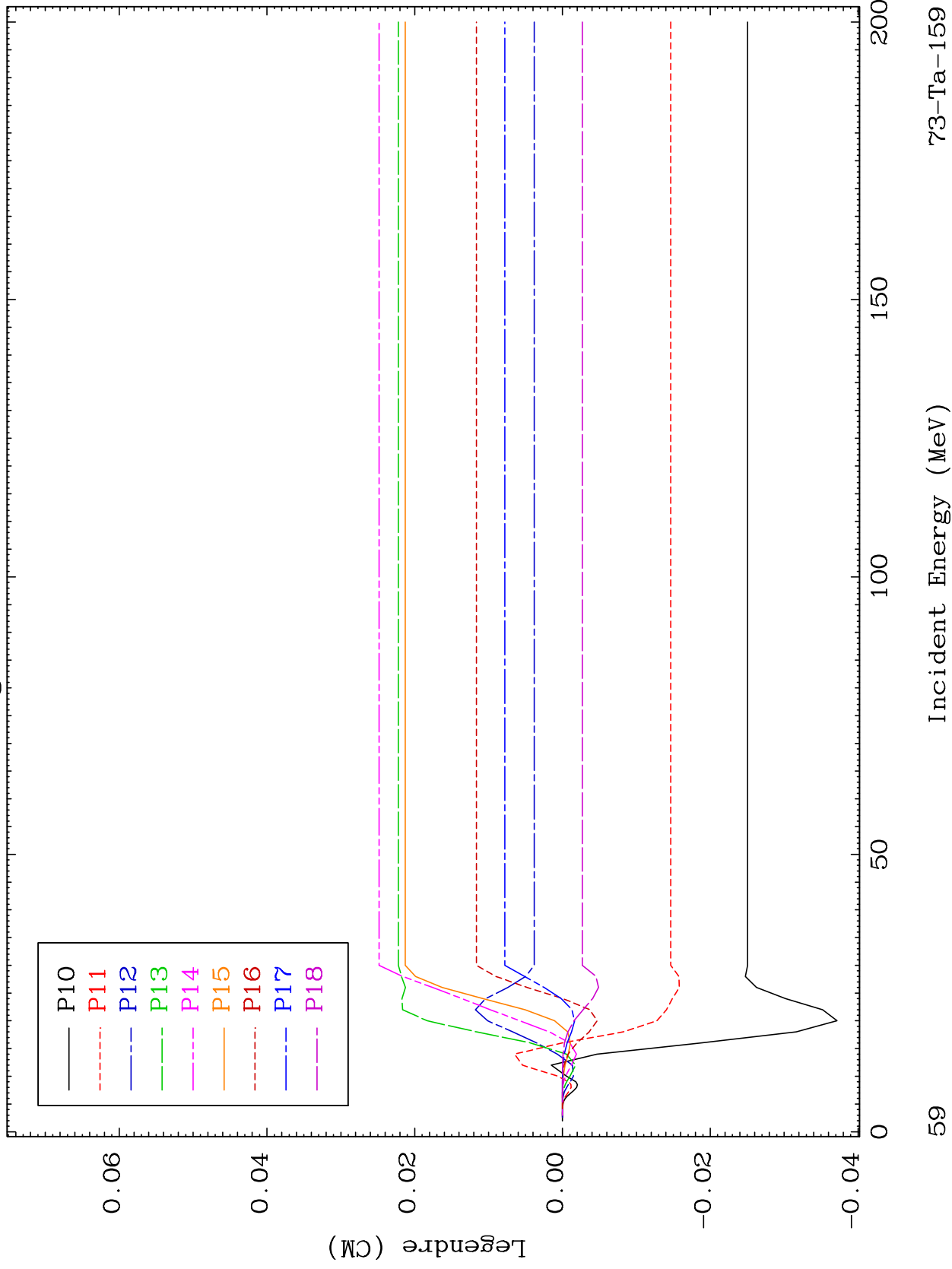
Incident Energy (MeV)

58

MAT 7262

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

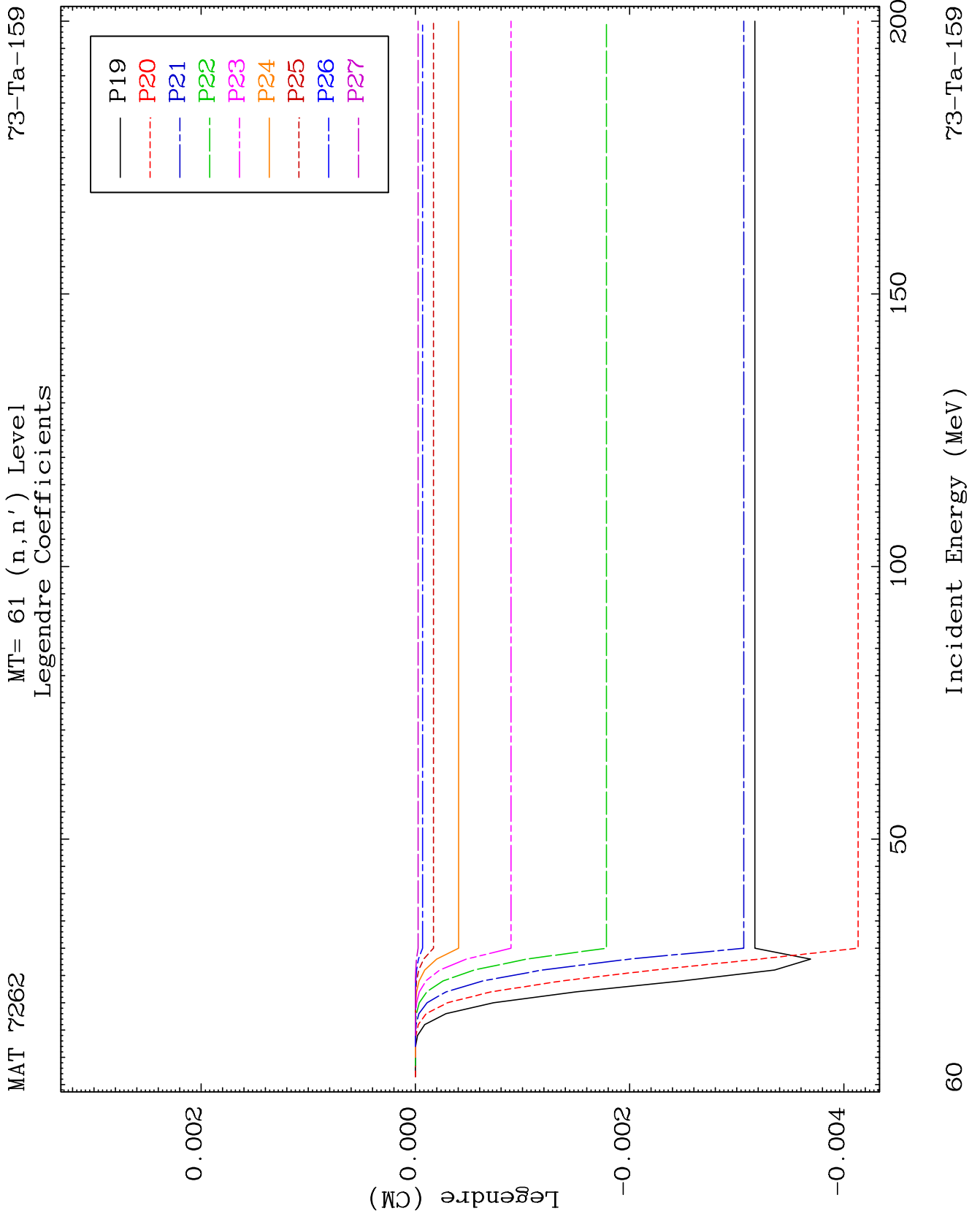
73-Ta-159

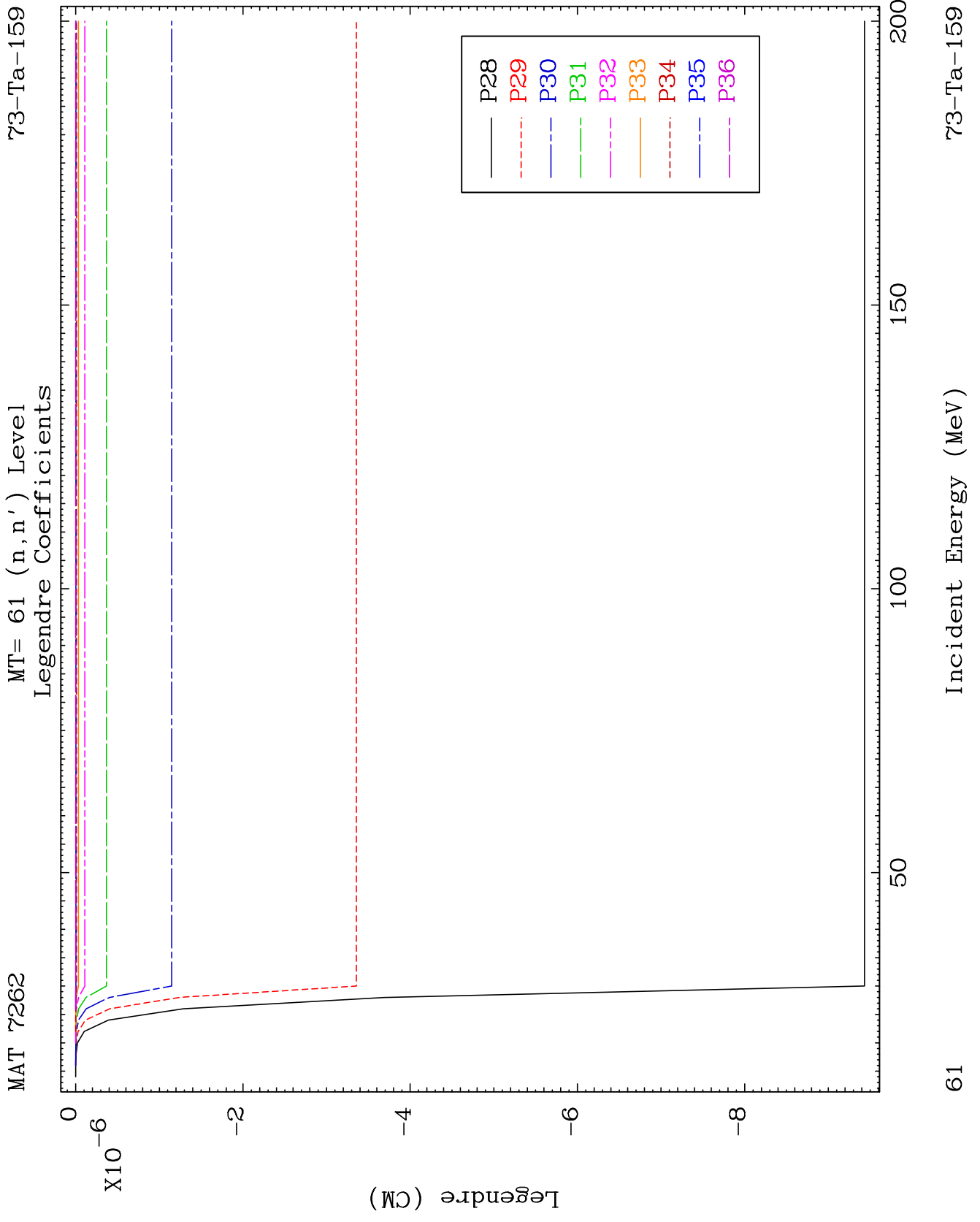


73-Ta-159

Incident Energy (MeV)

59

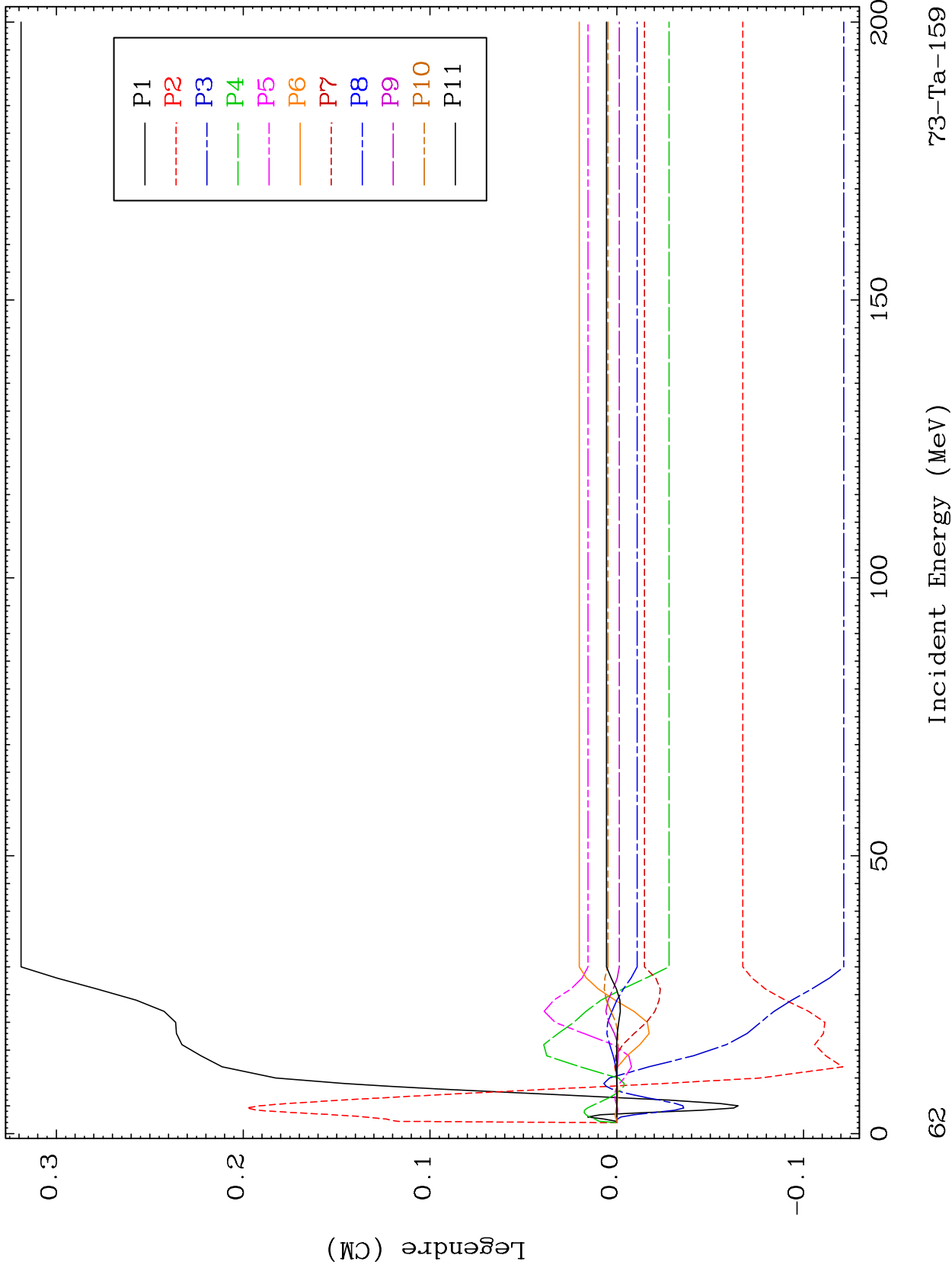




MAT 7262

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

73-Ta-159



73-Ta-159

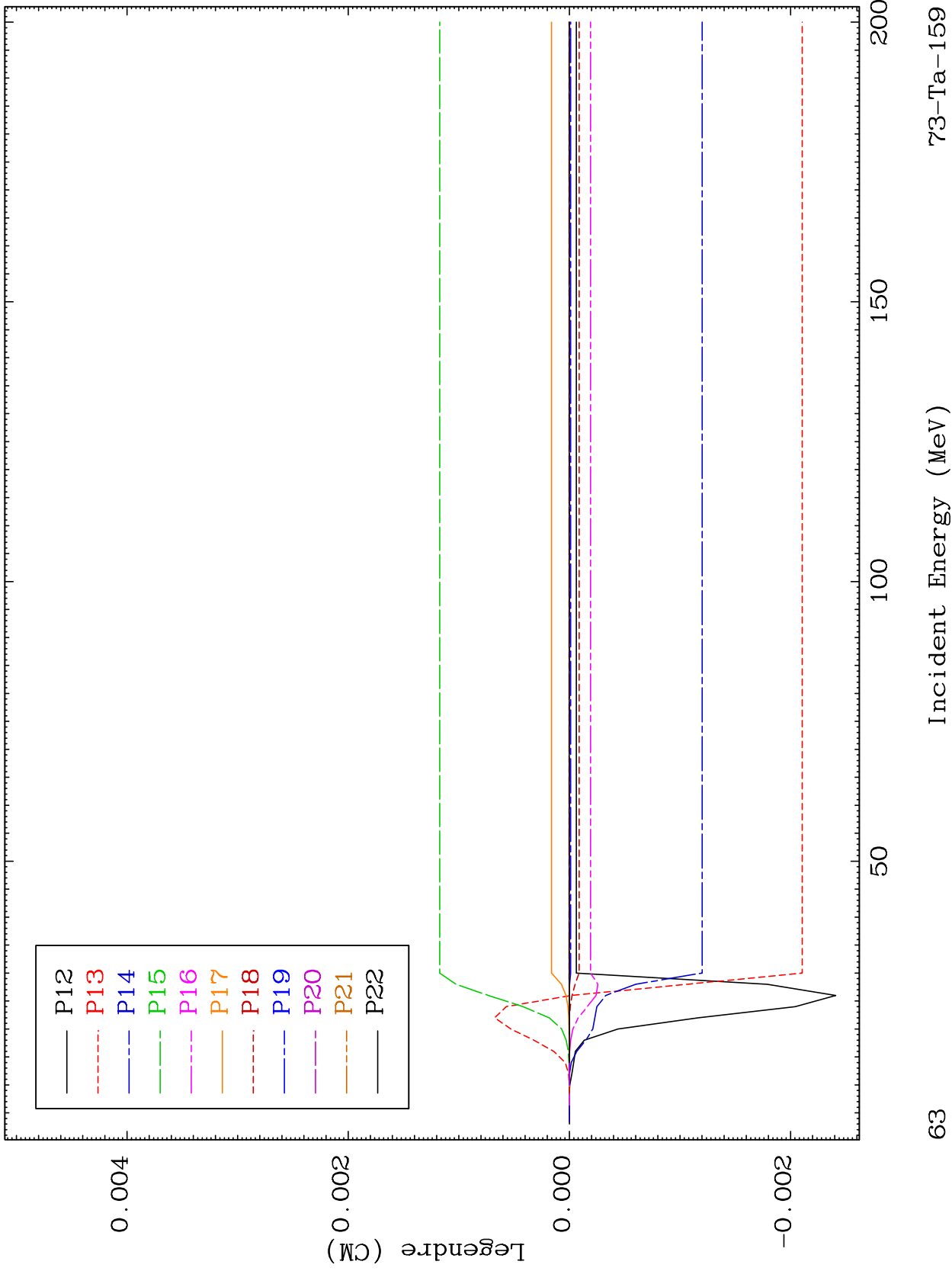
Incident Energy (MeV)

62

MAT 7262

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

73-Ta-159



63

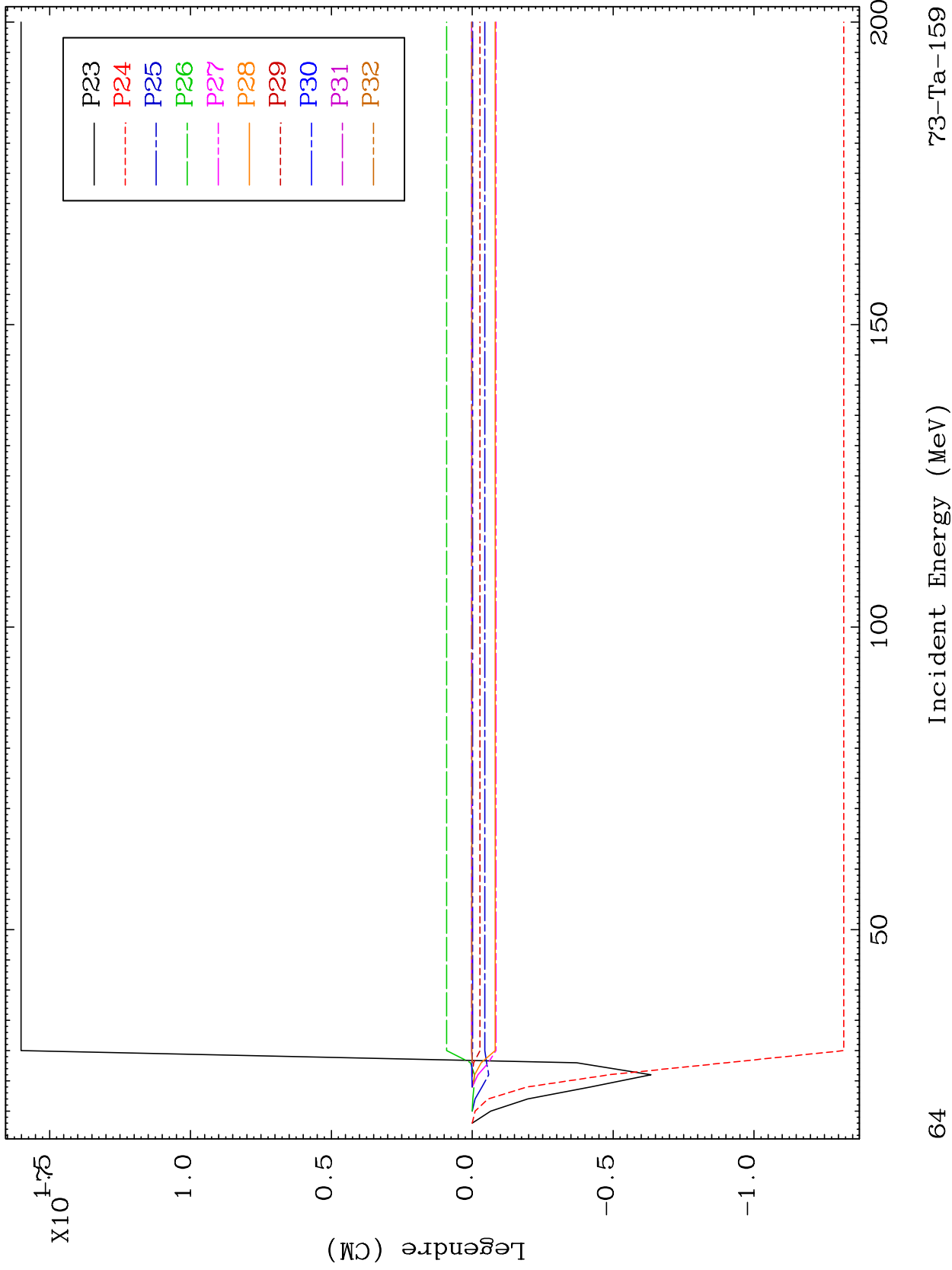
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



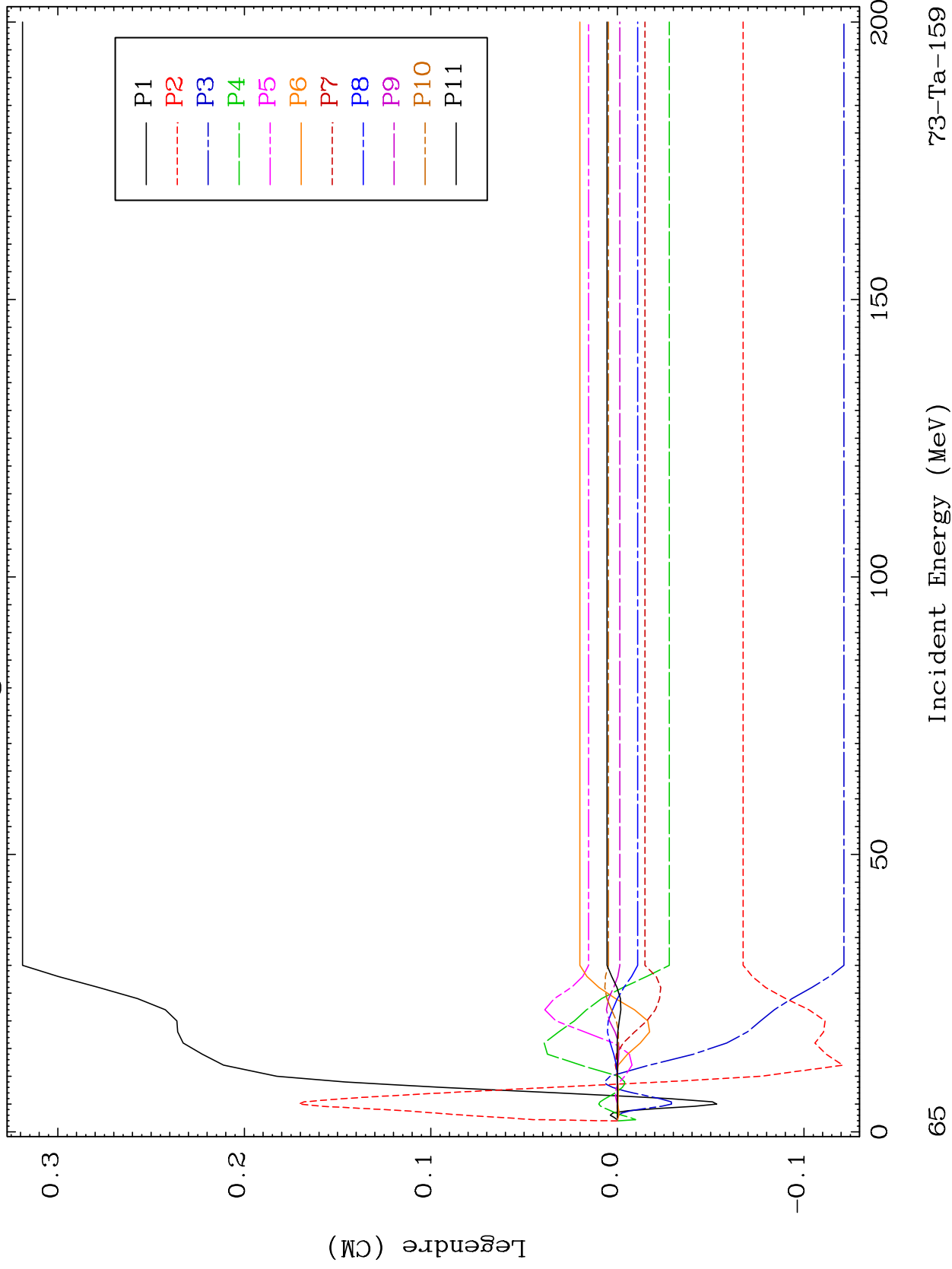
64

73-Ta-159

MAT 7262

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

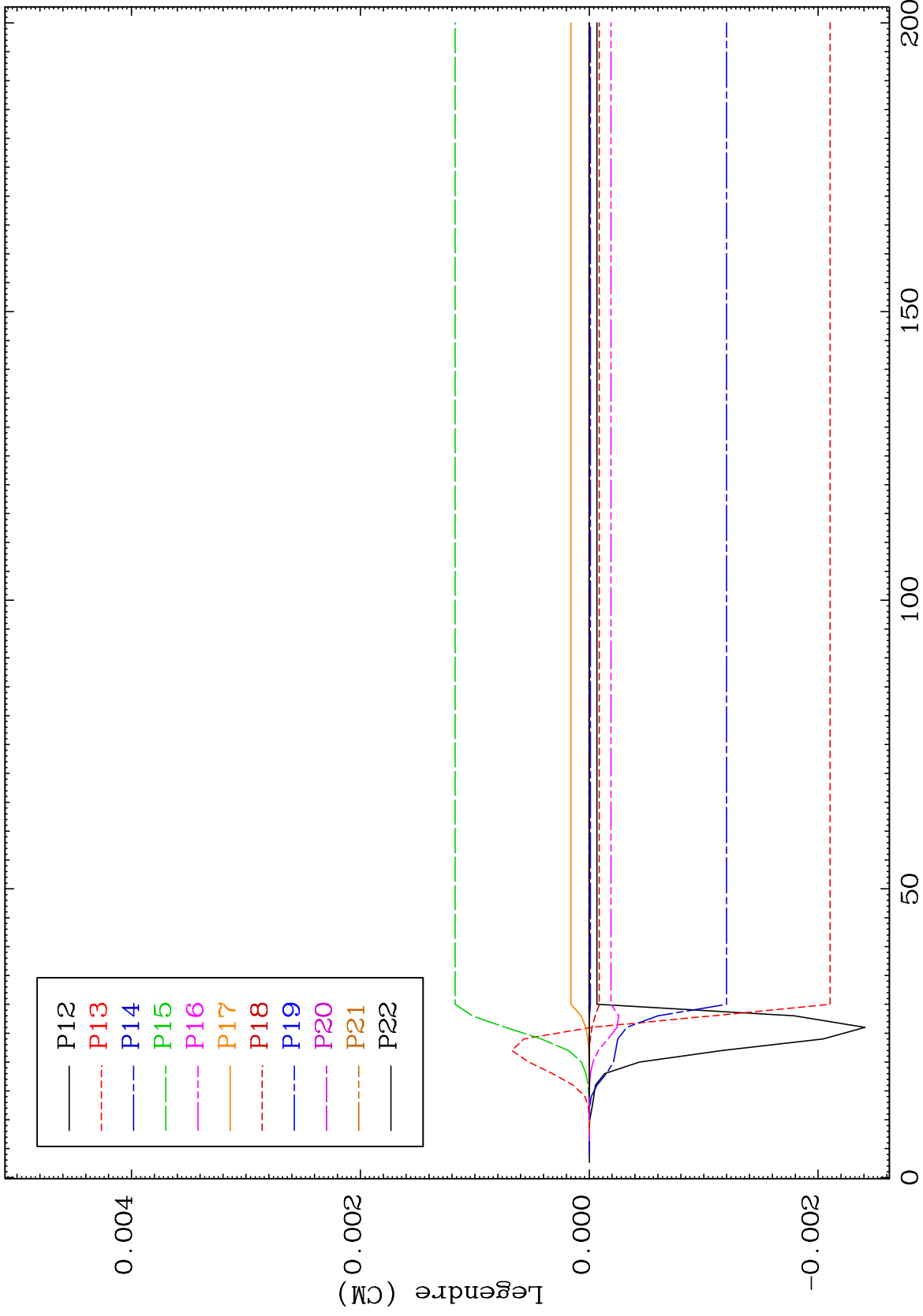
73-Ta-159



73-Ta-159

Incident Energy (MeV)

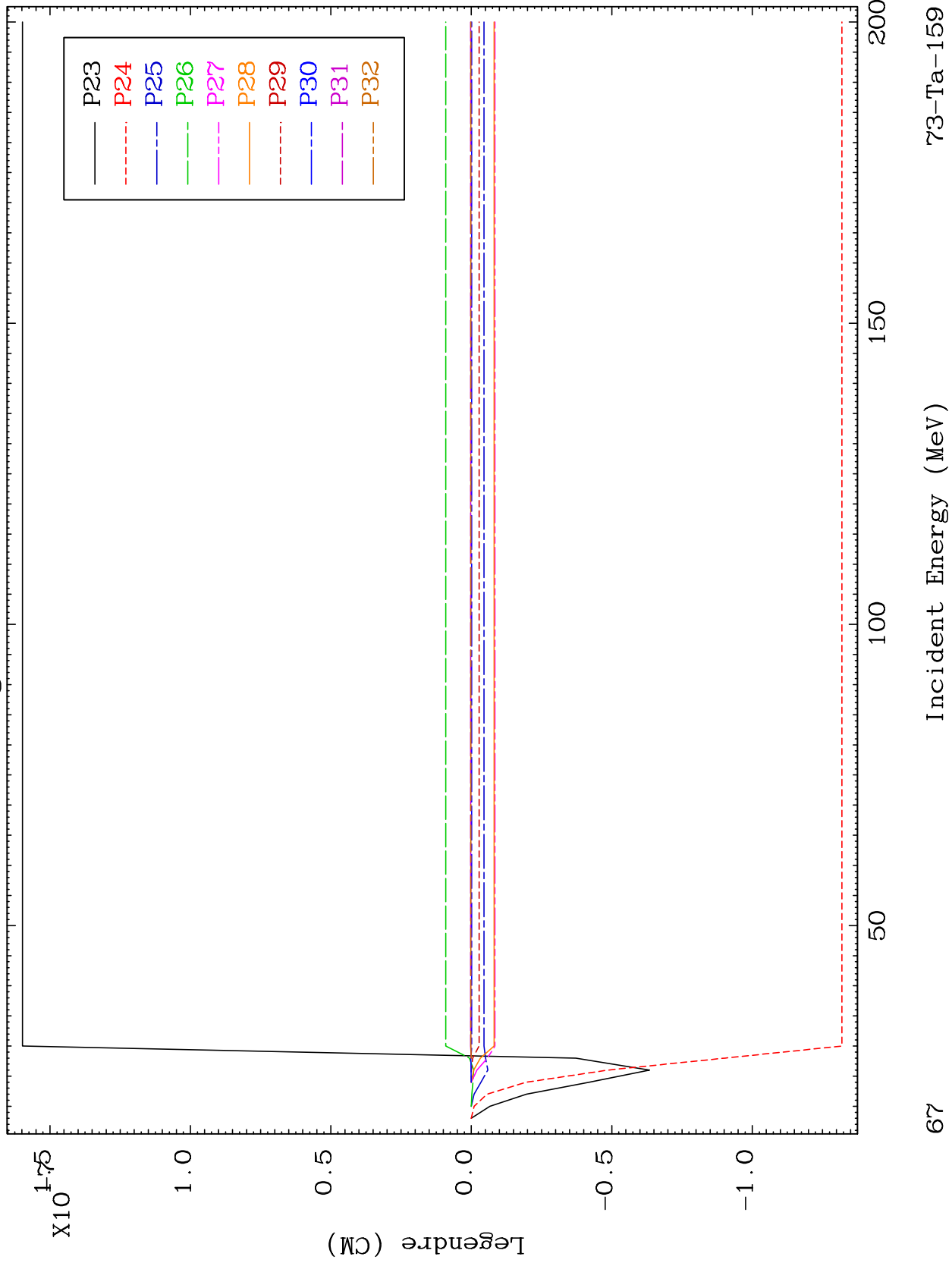
65



MAT 7262

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

73-Ta-159



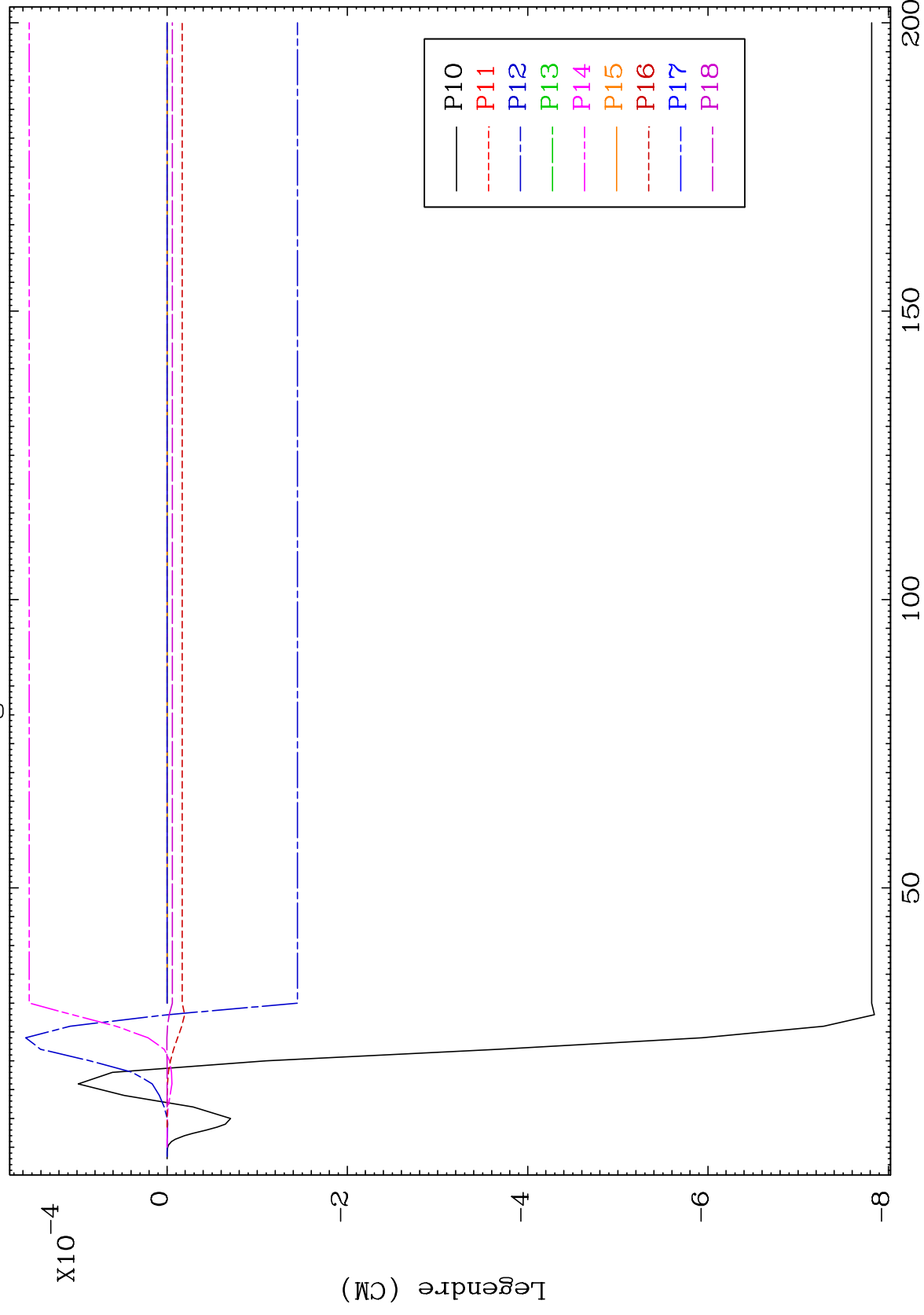
67

73-Ta-159

MAT 7262

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

73-Ta-159



69

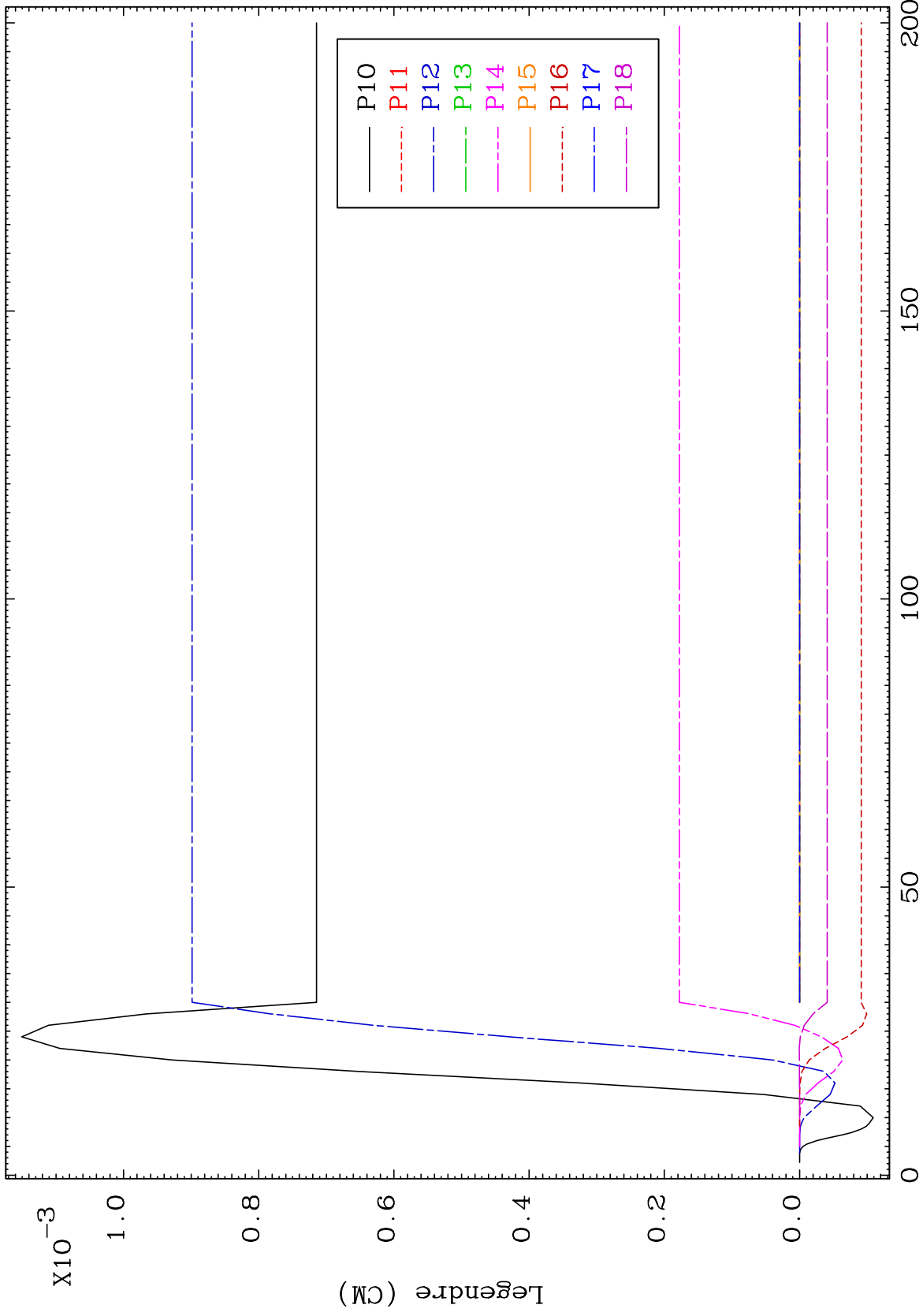
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

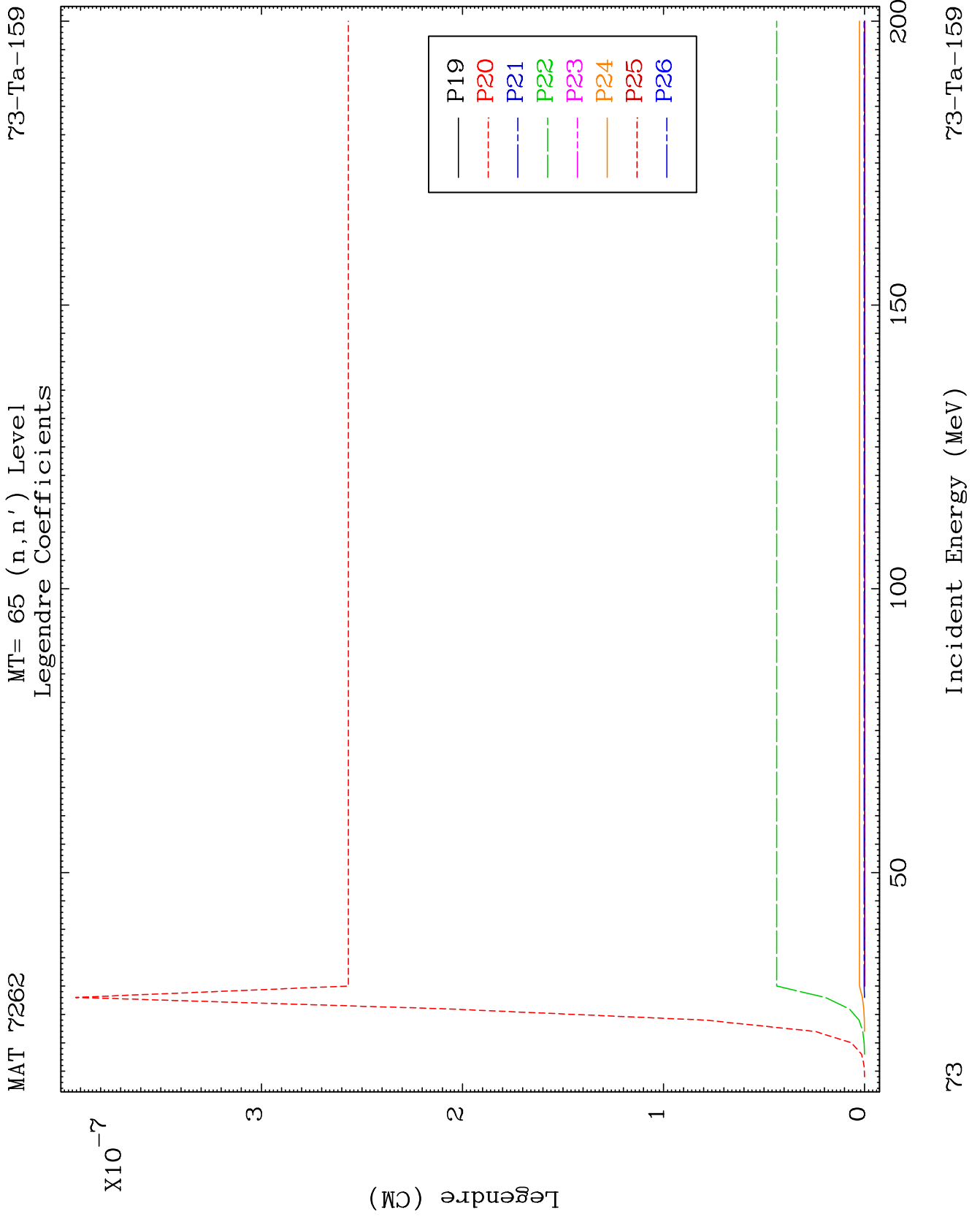
73-Ta-159



72

Incident Energy (MeV)

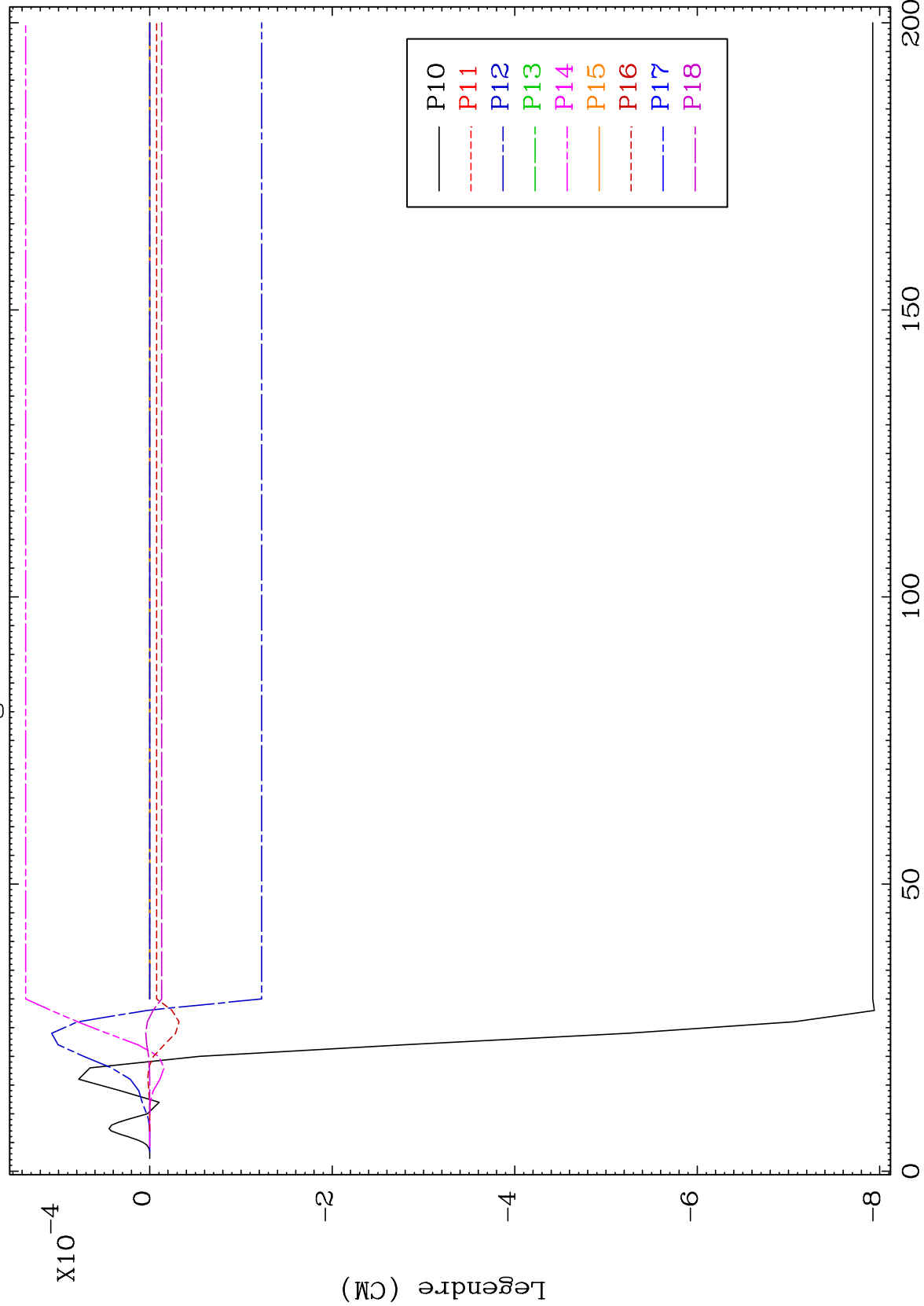
73-Ta-159



MAT 7262

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

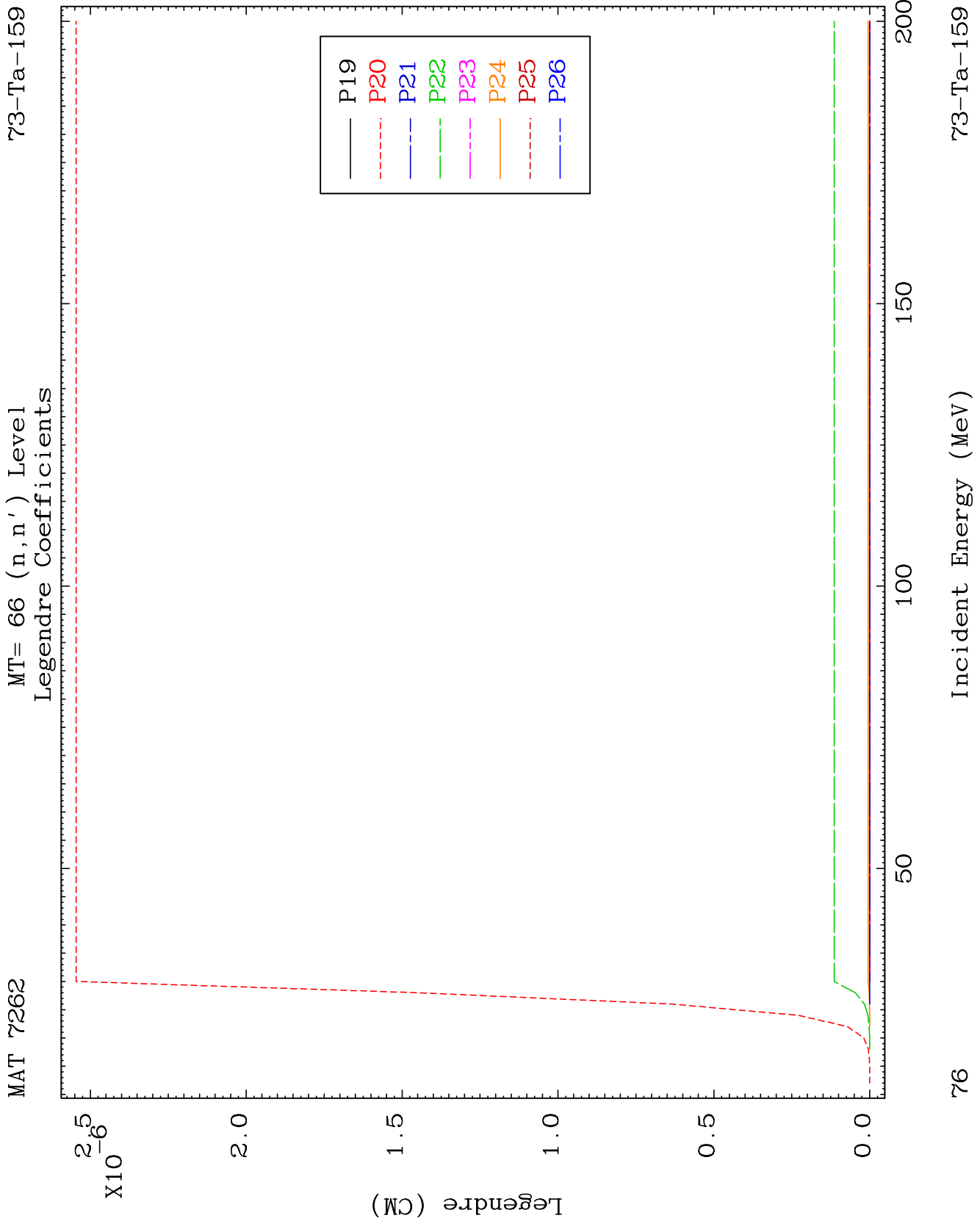
73-Ta-159

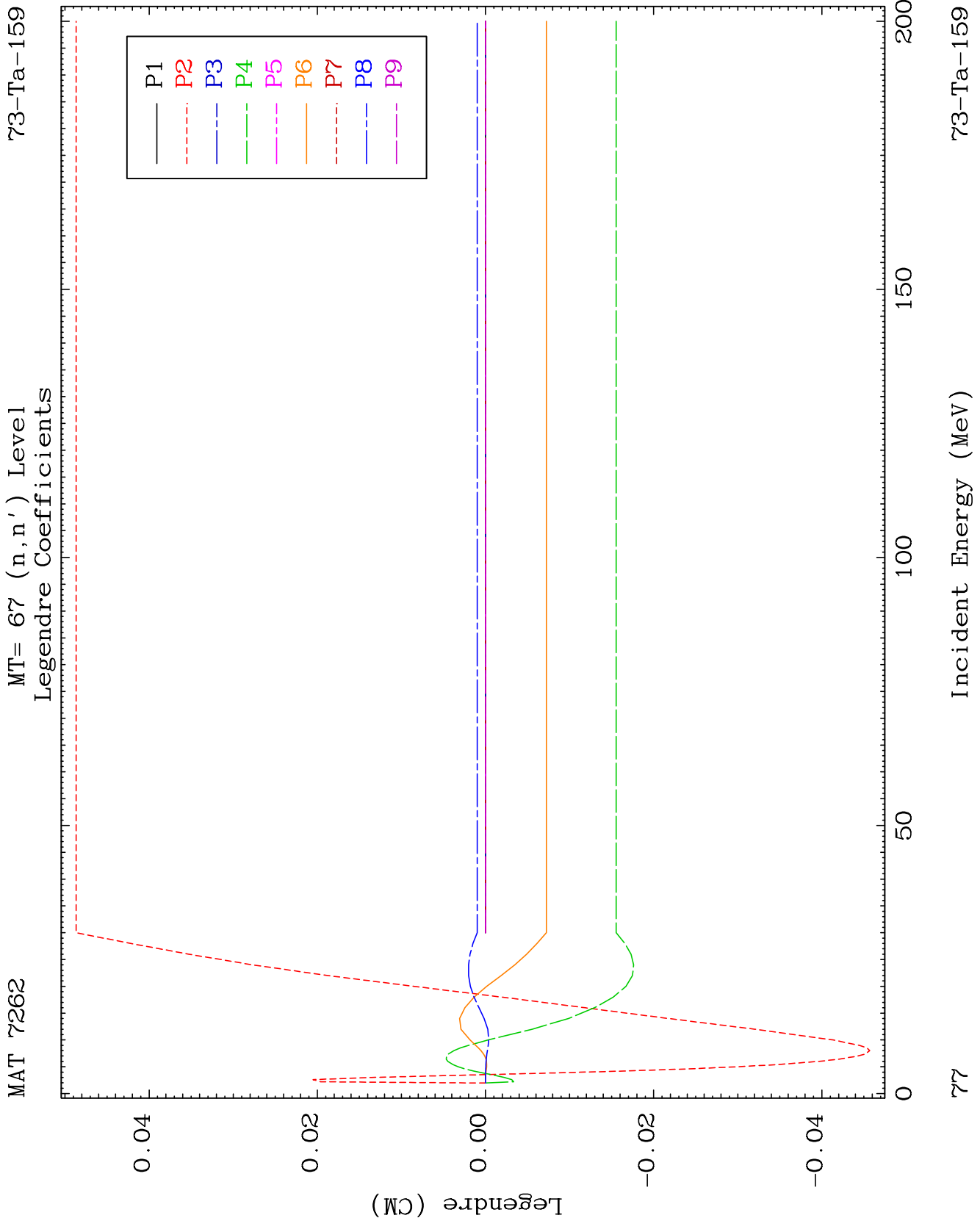


75

Incident Energy (MeV)

73-Ta-159

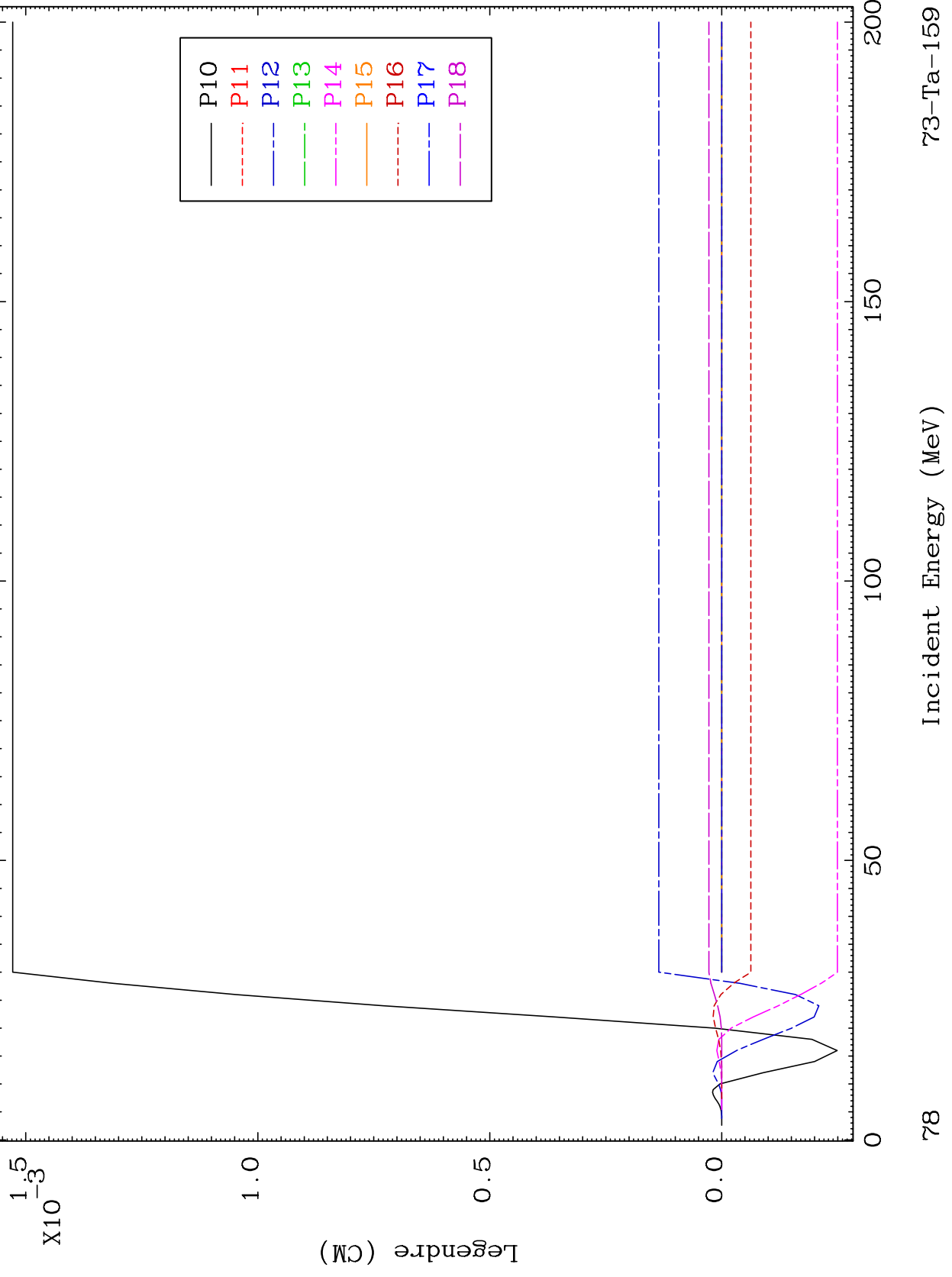




MAT 7262

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

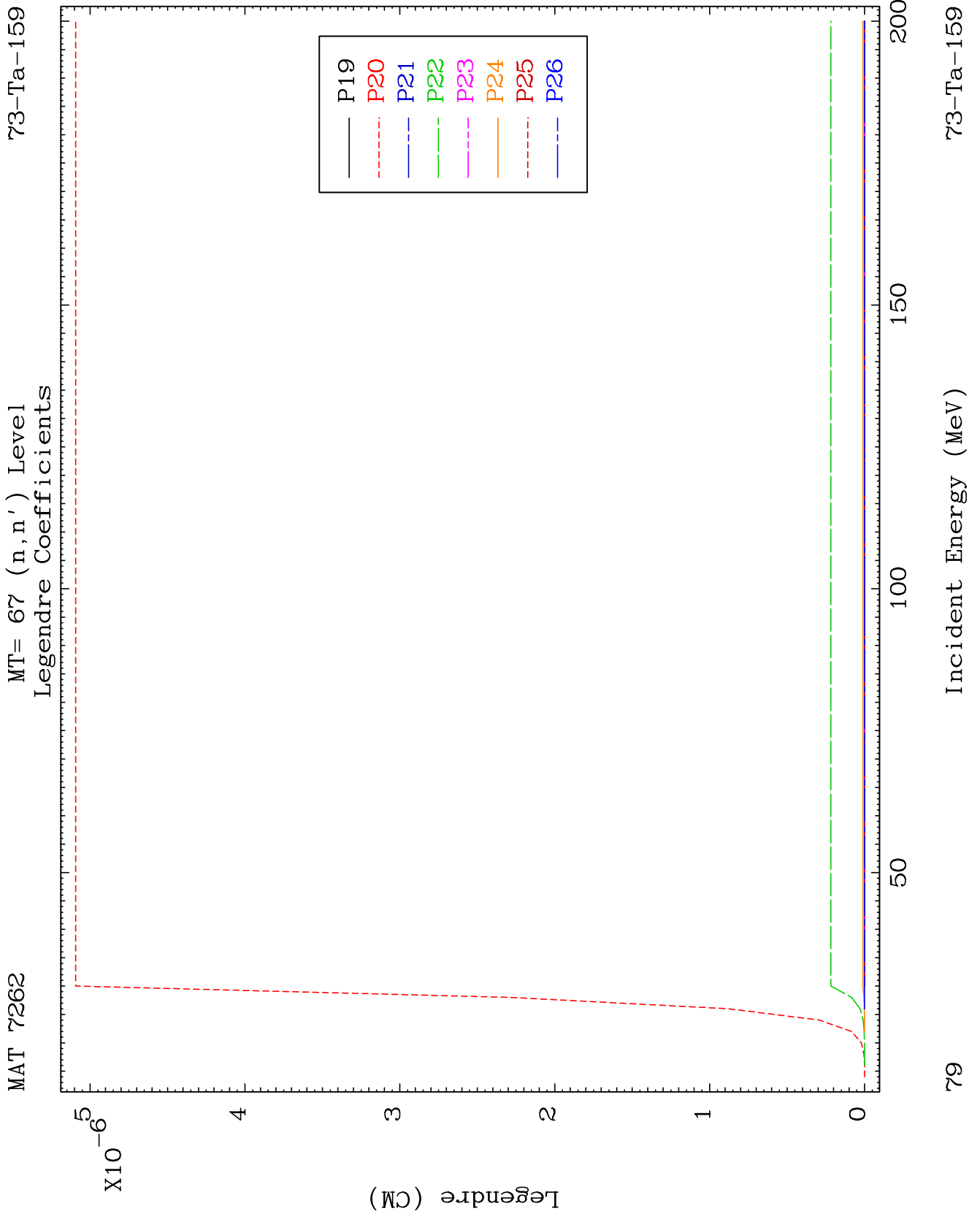
73-Ta-159

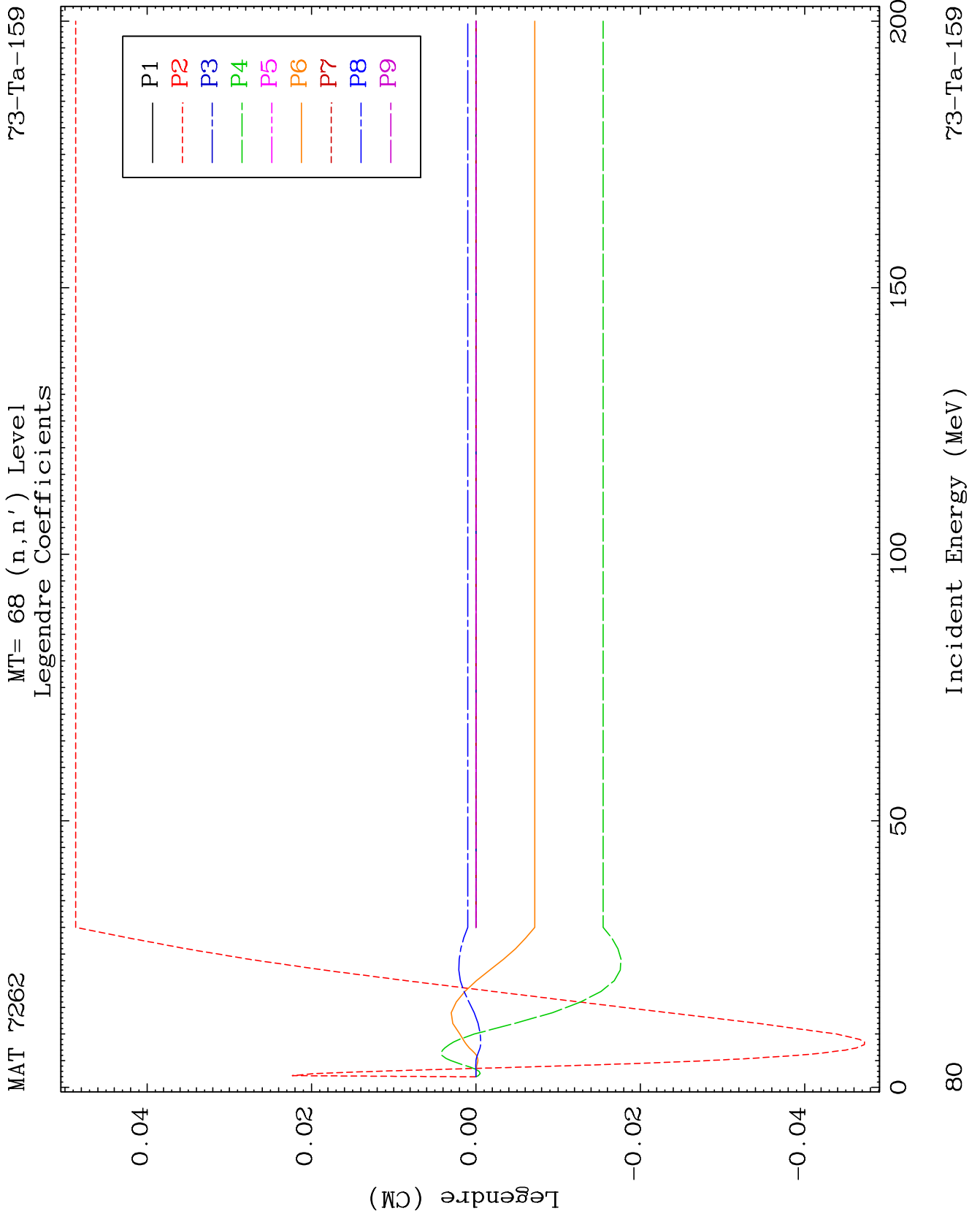


78

Incident Energy (MeV)

73-Ta-159

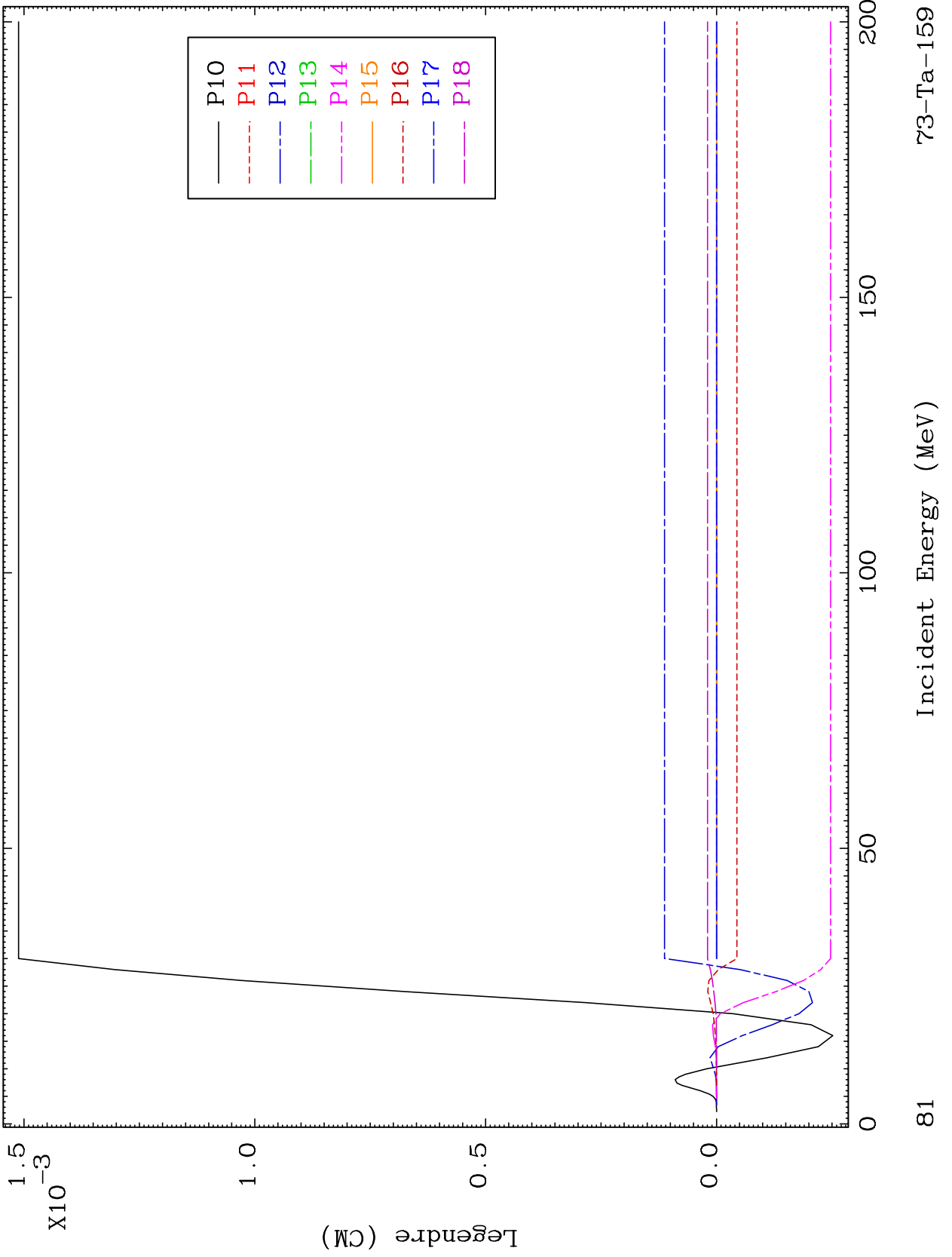


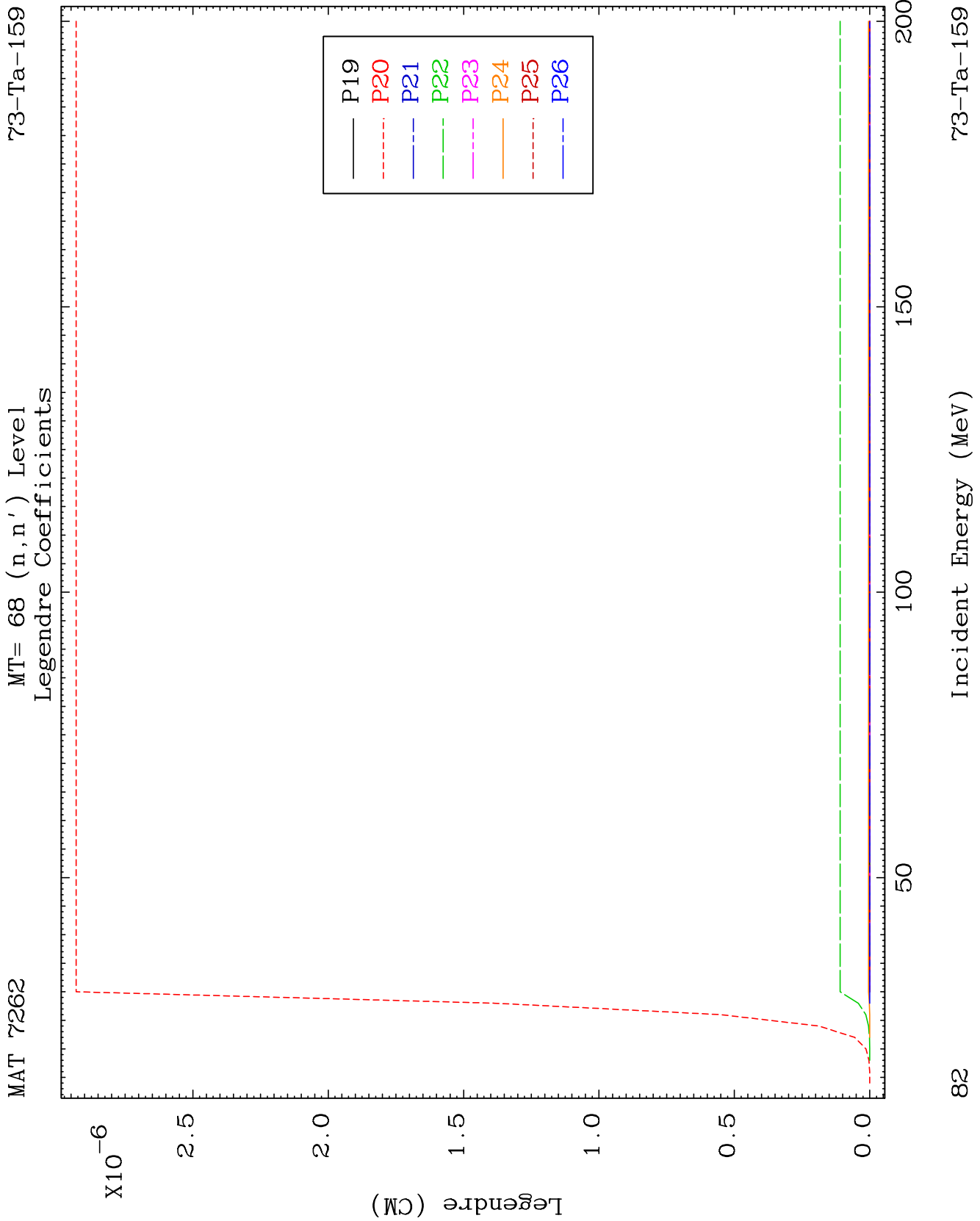


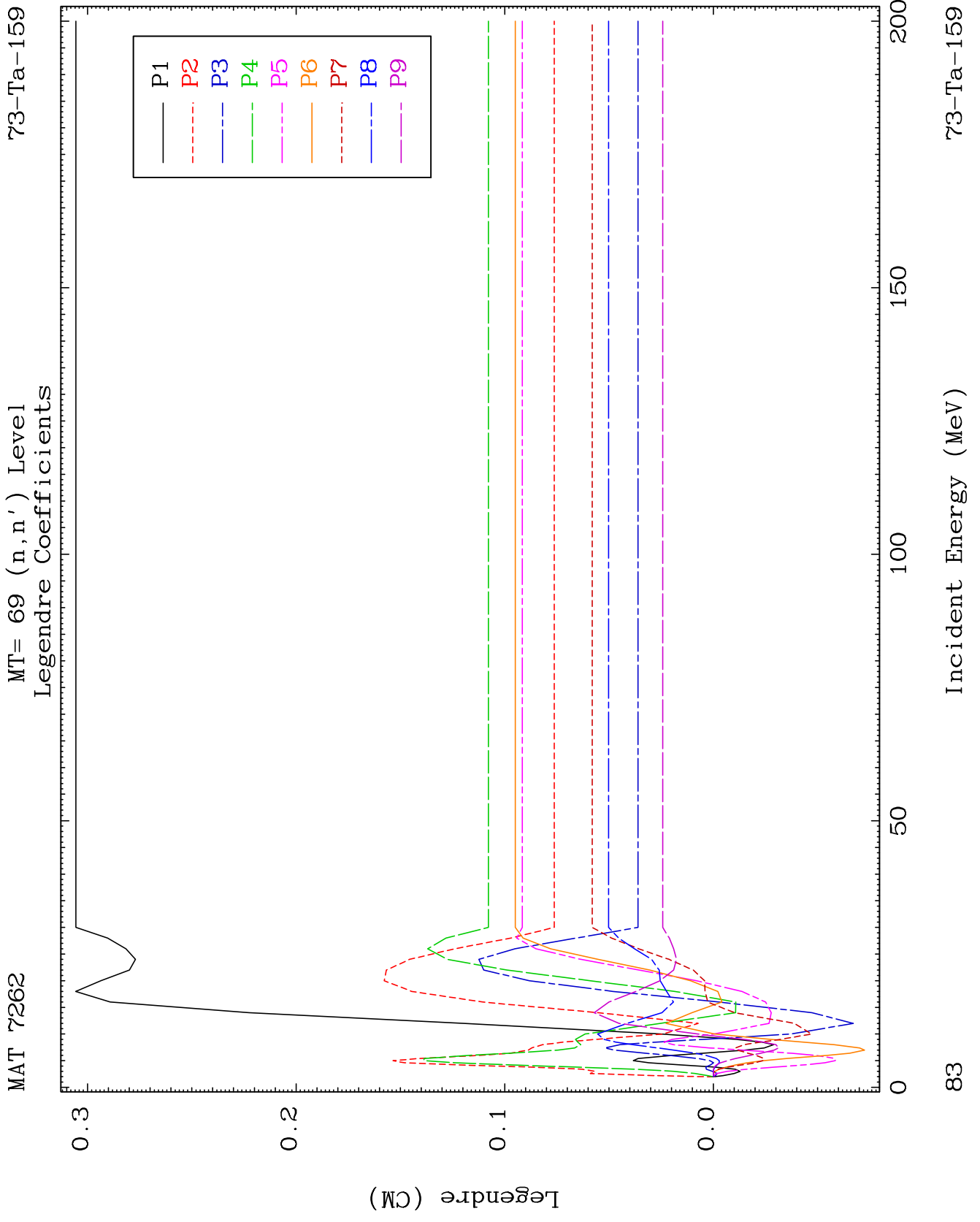
MAT 7262

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

73-Ta-159



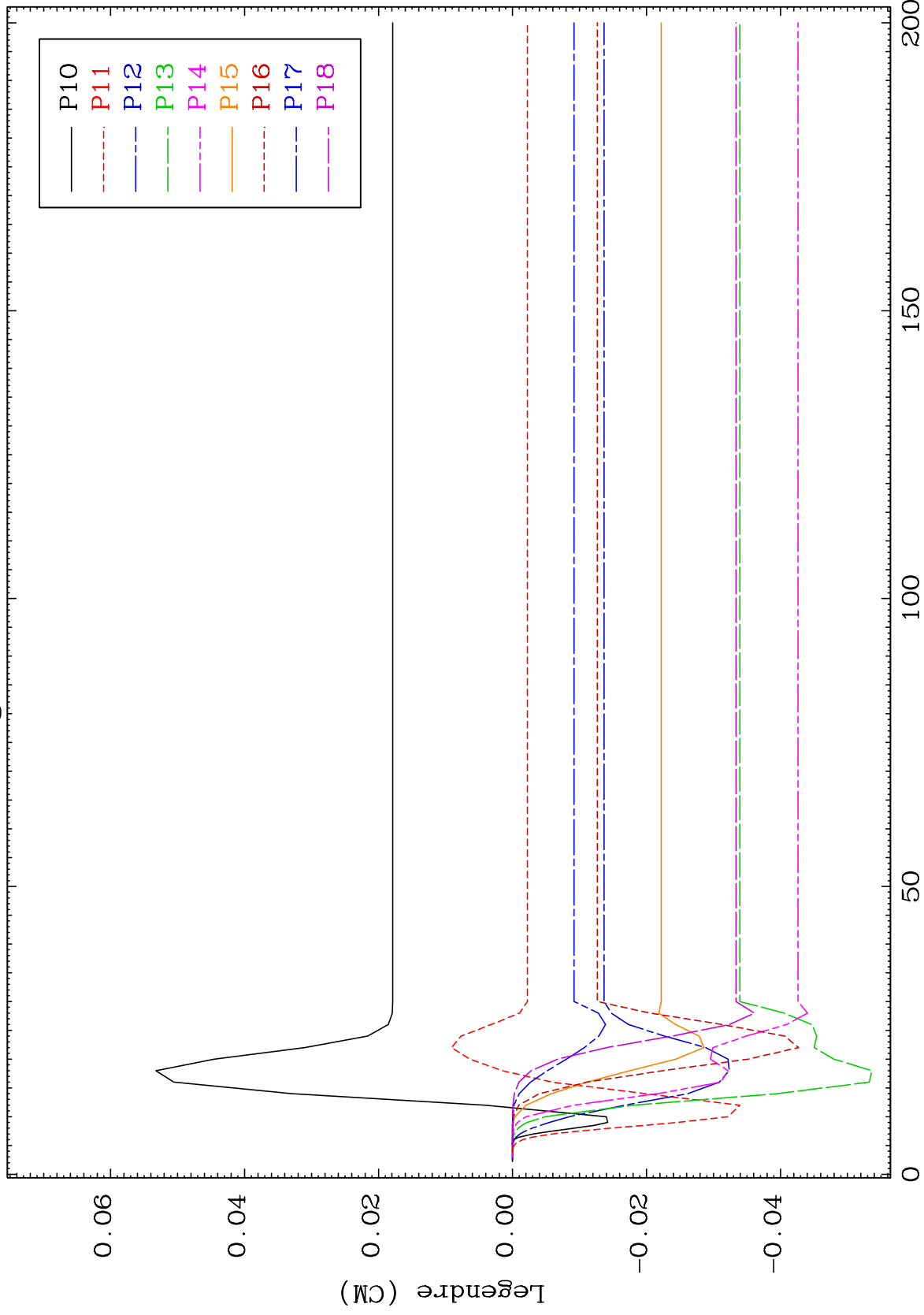




MAT 7262

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

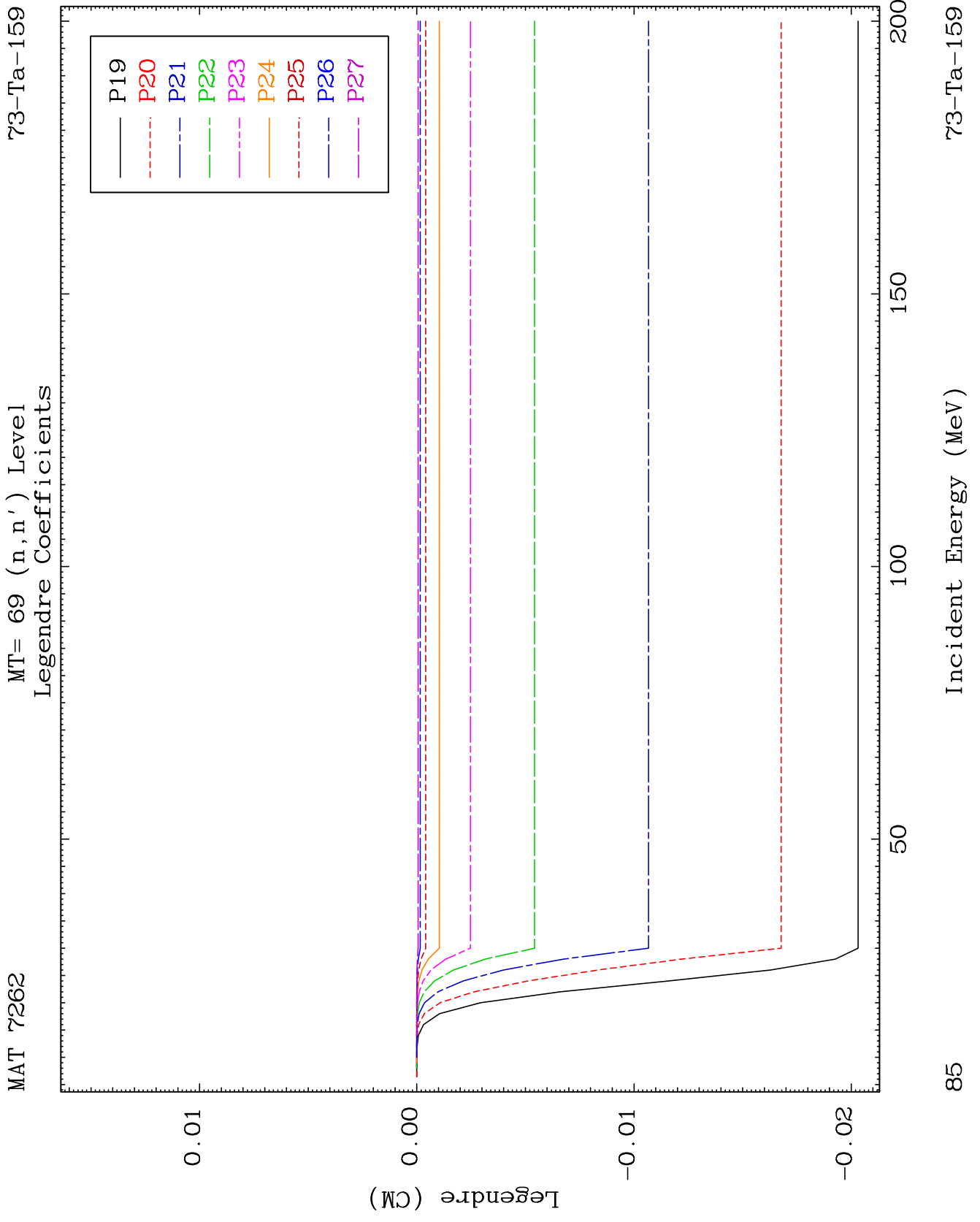
73-Ta-159

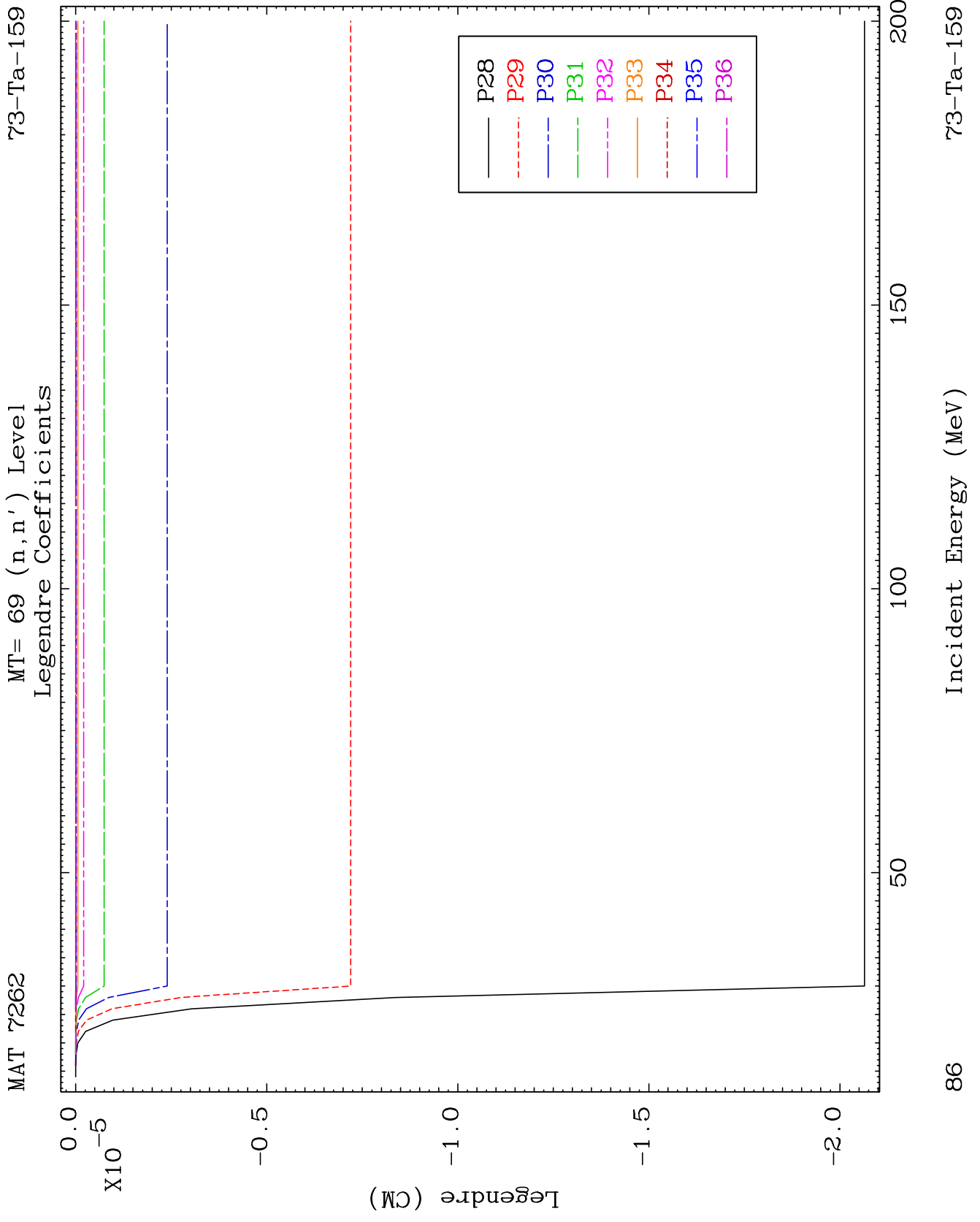


84

Incident Energy (MeV)

73-Ta-159

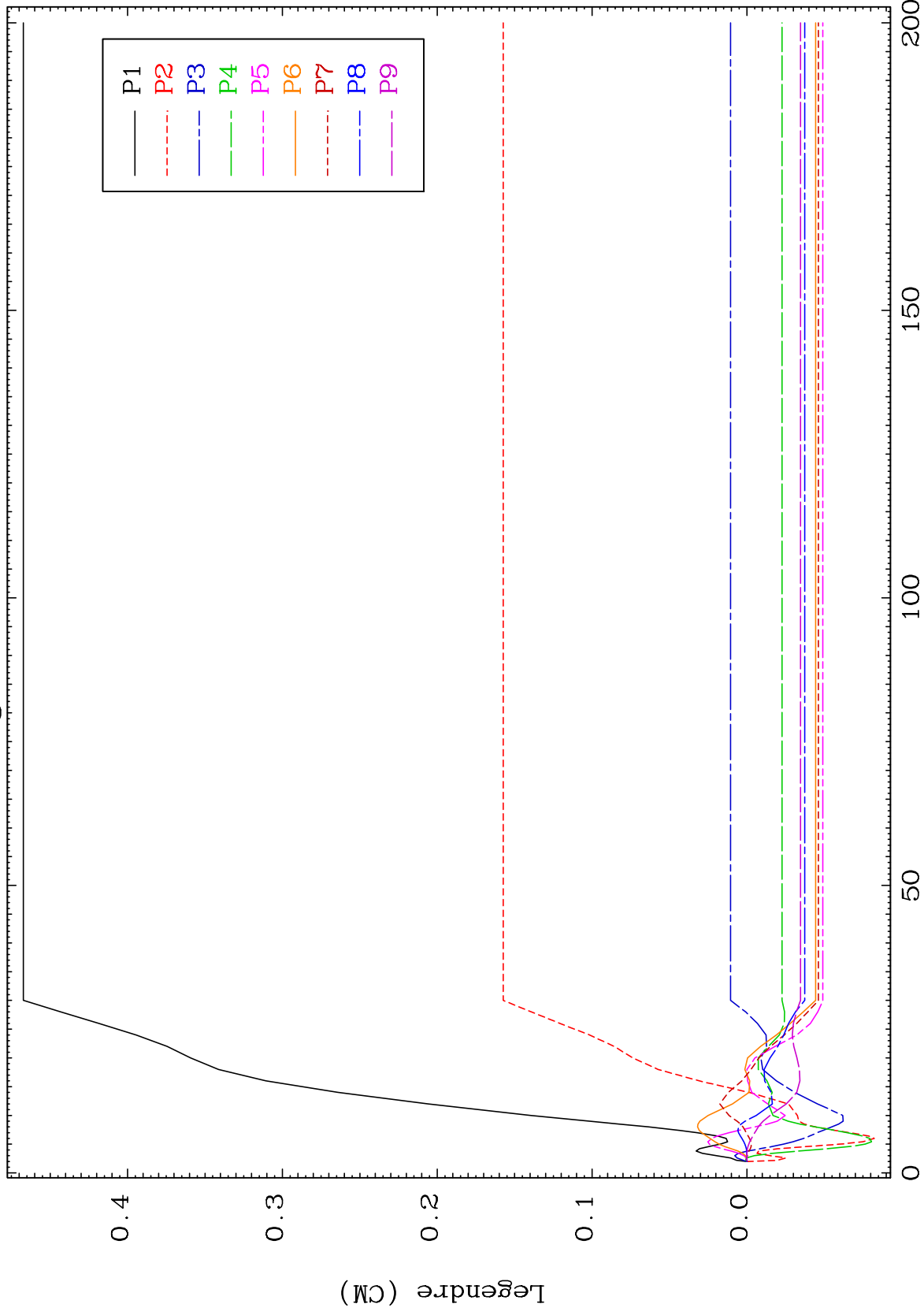




MAT 7262

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

73-Ta-159



87

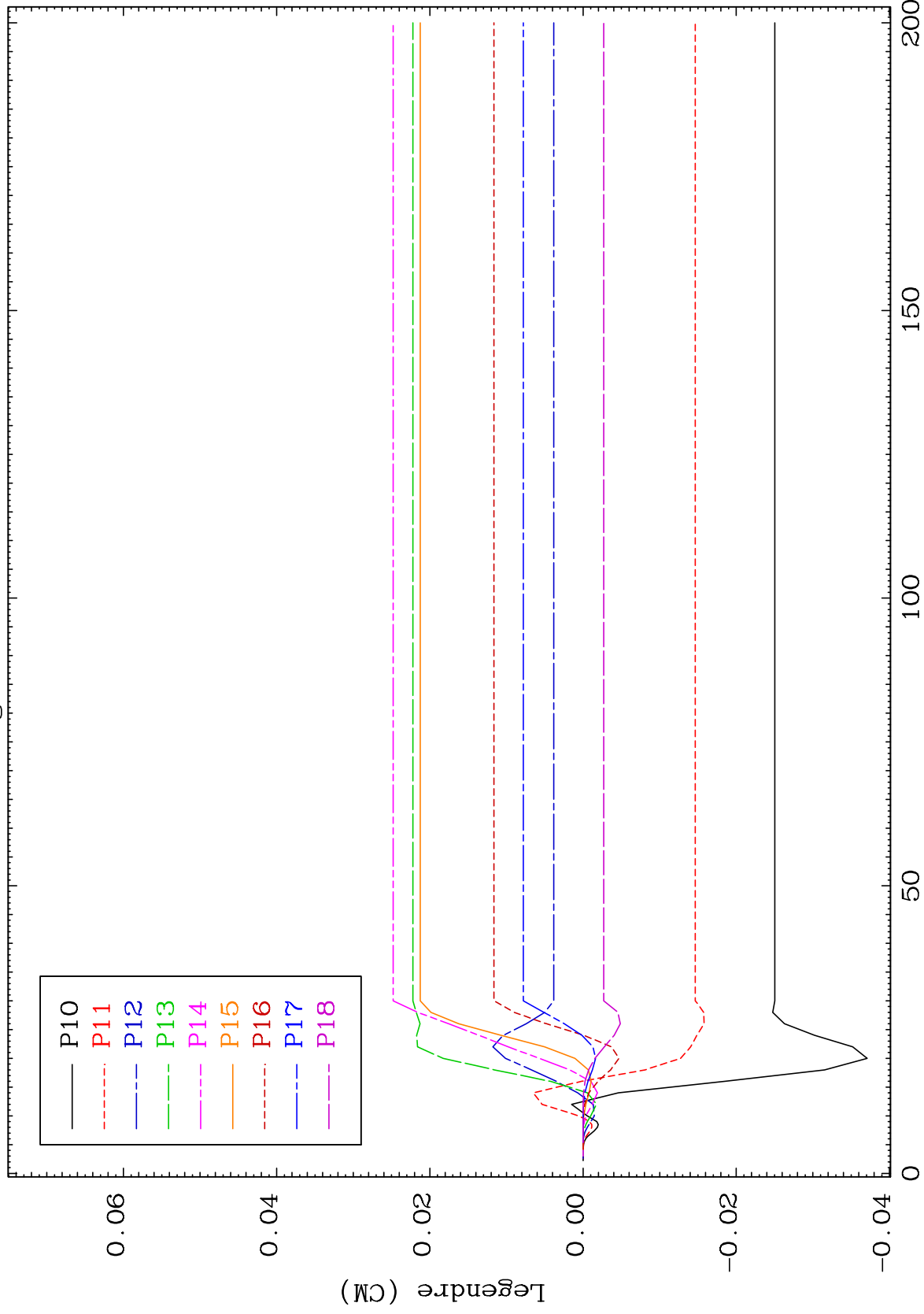
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



88

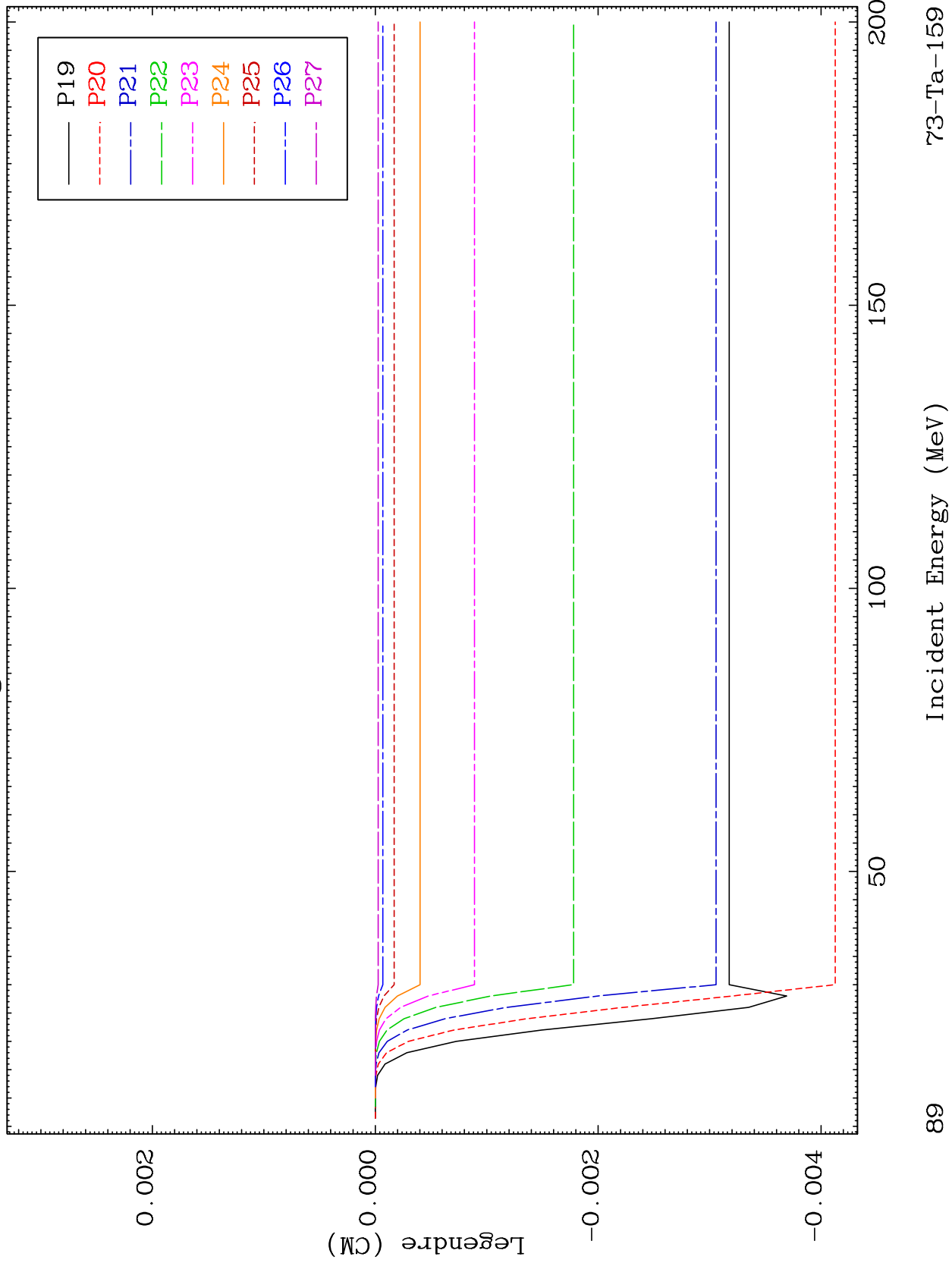
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

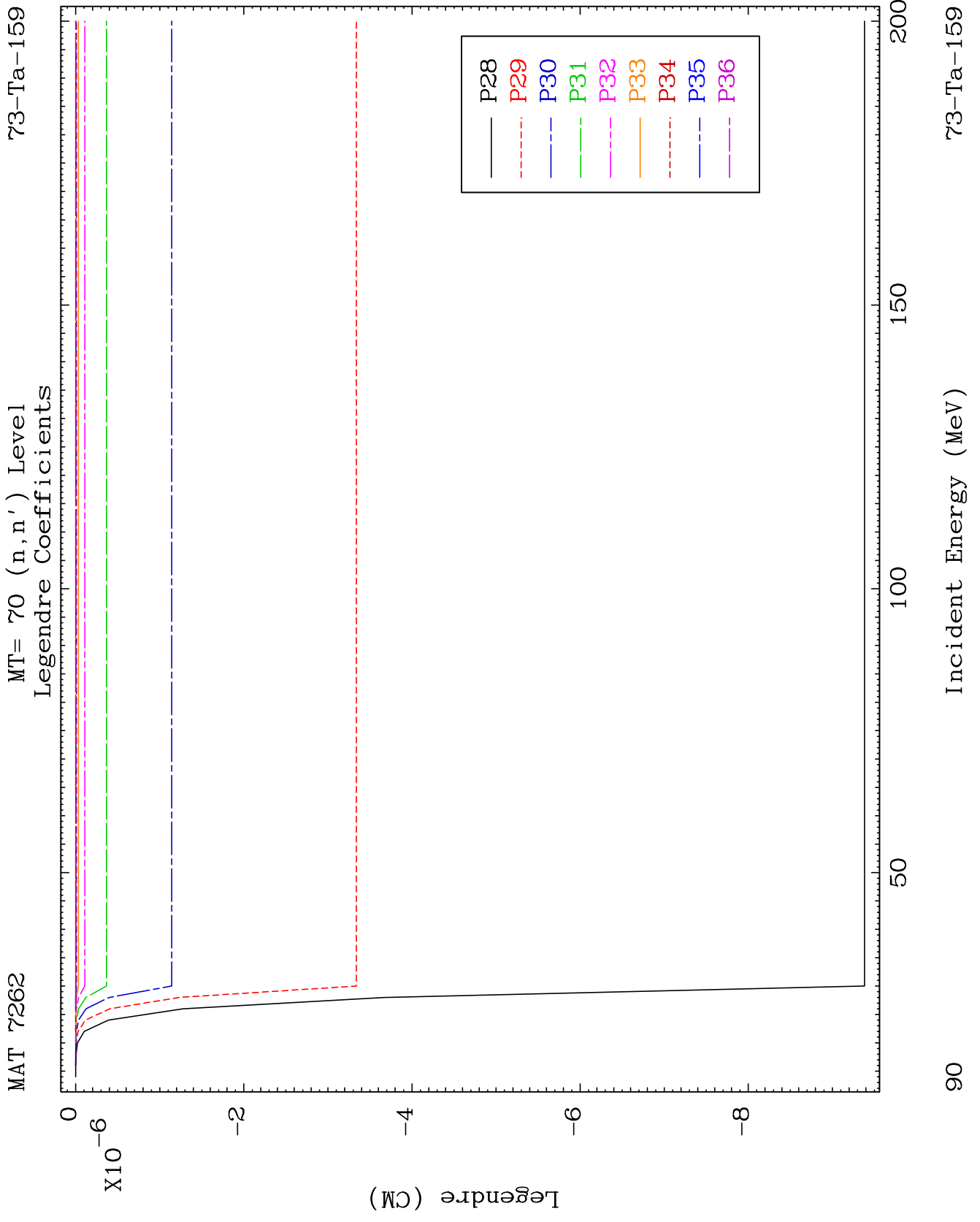
73-Ta-159



89

Incident Energy (MeV)

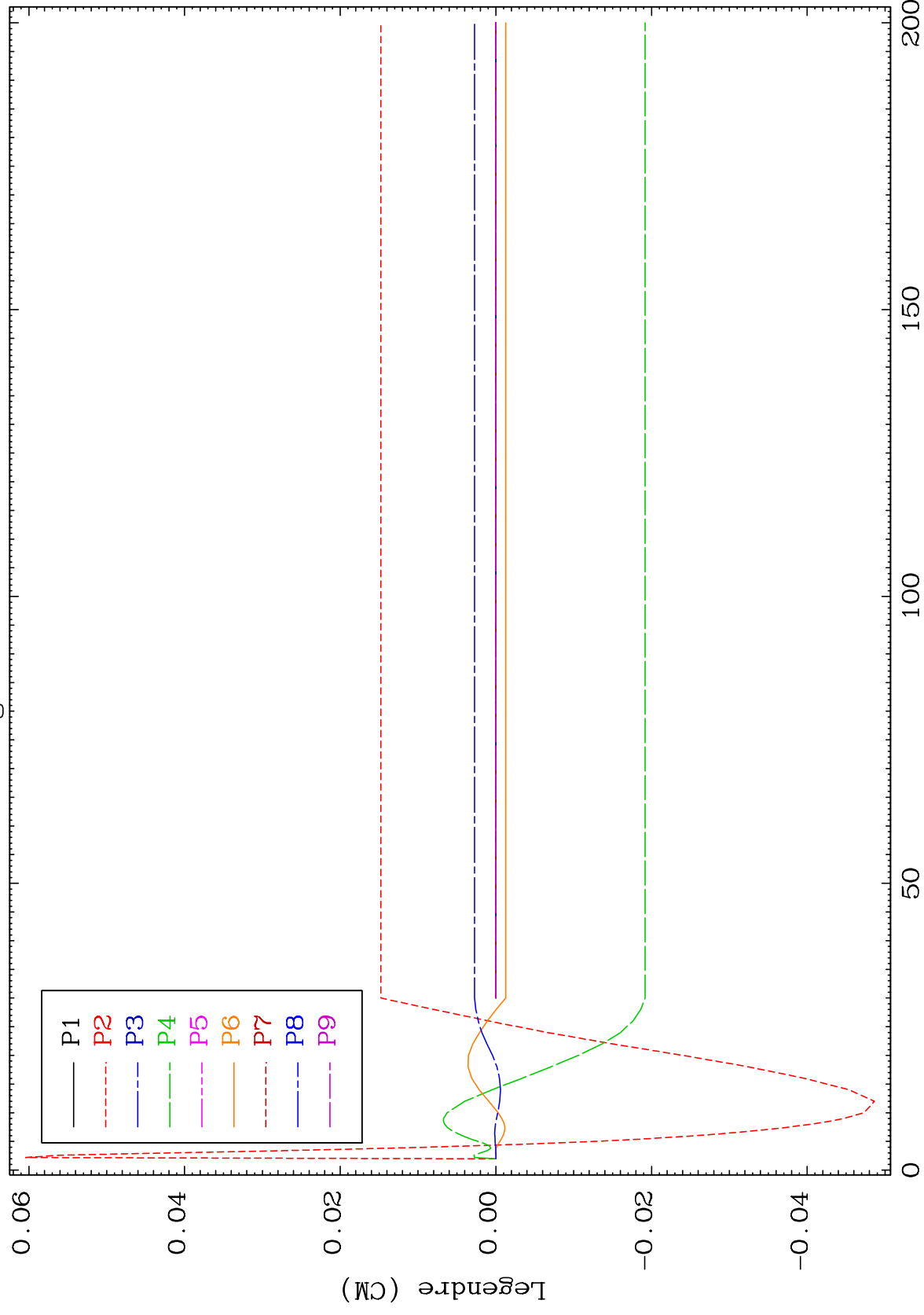
73-Ta-159



MAT 7262

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

73-Ta-159



91

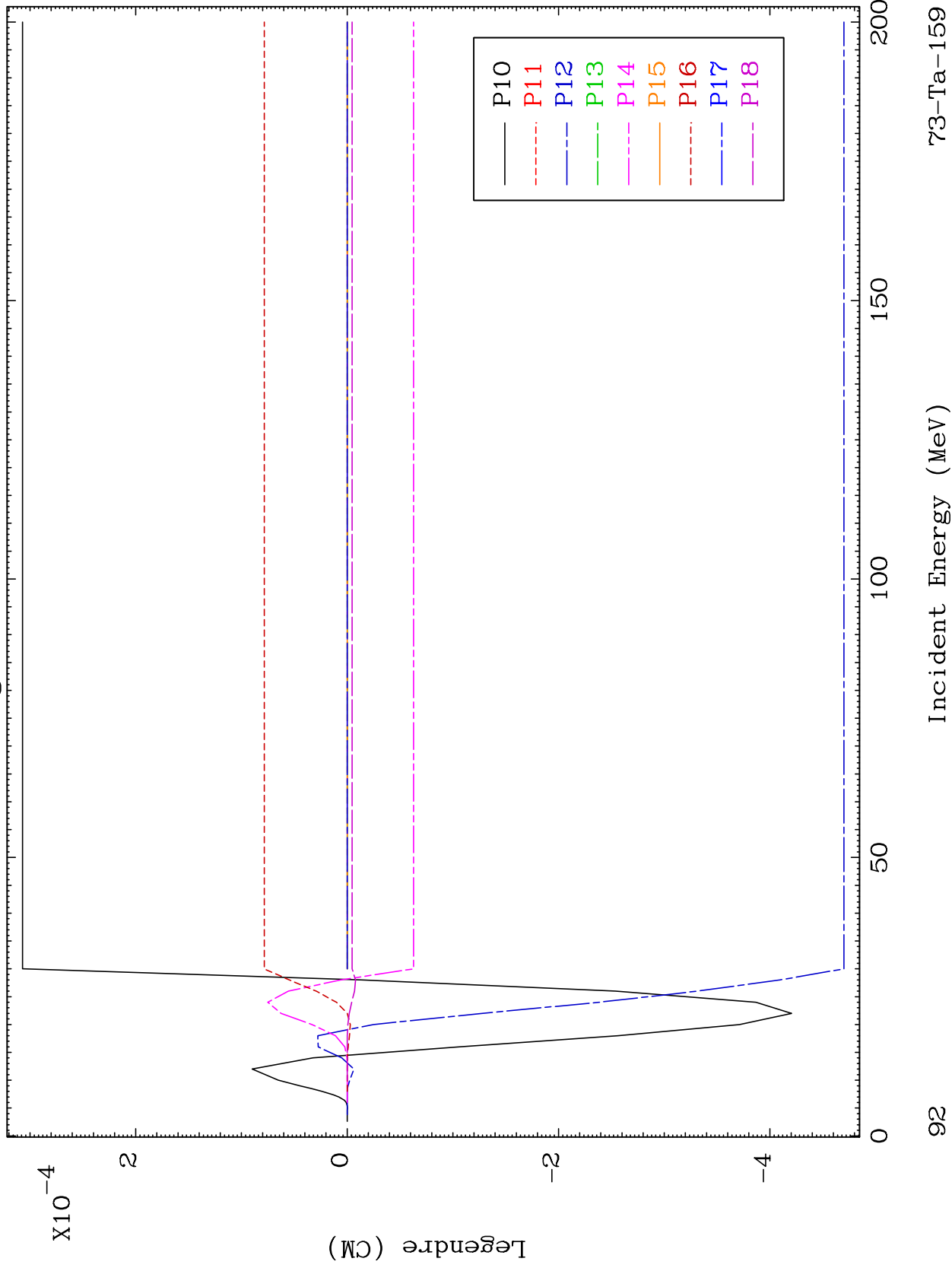
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

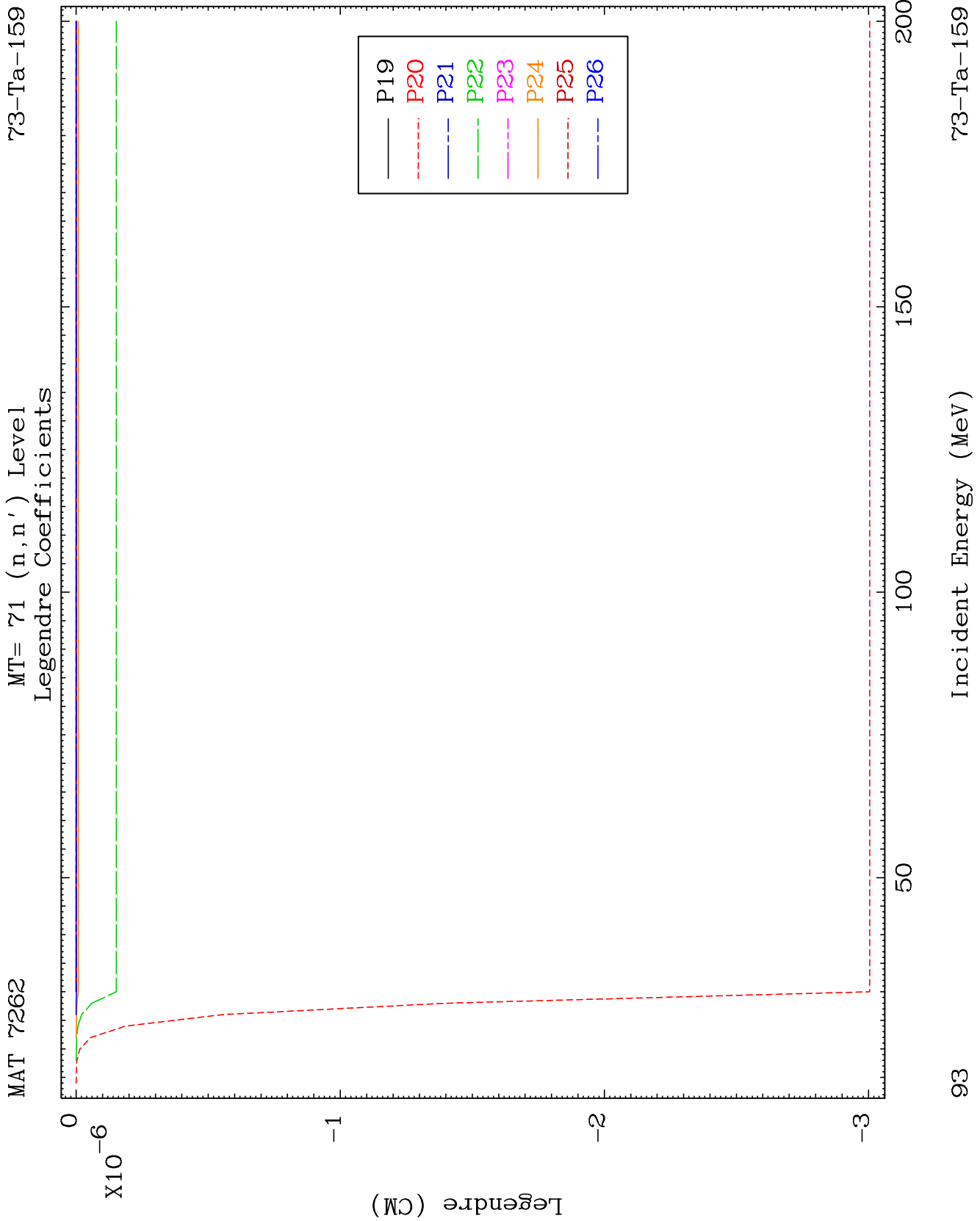
73-Ta-159



92

Incident Energy (MeV)

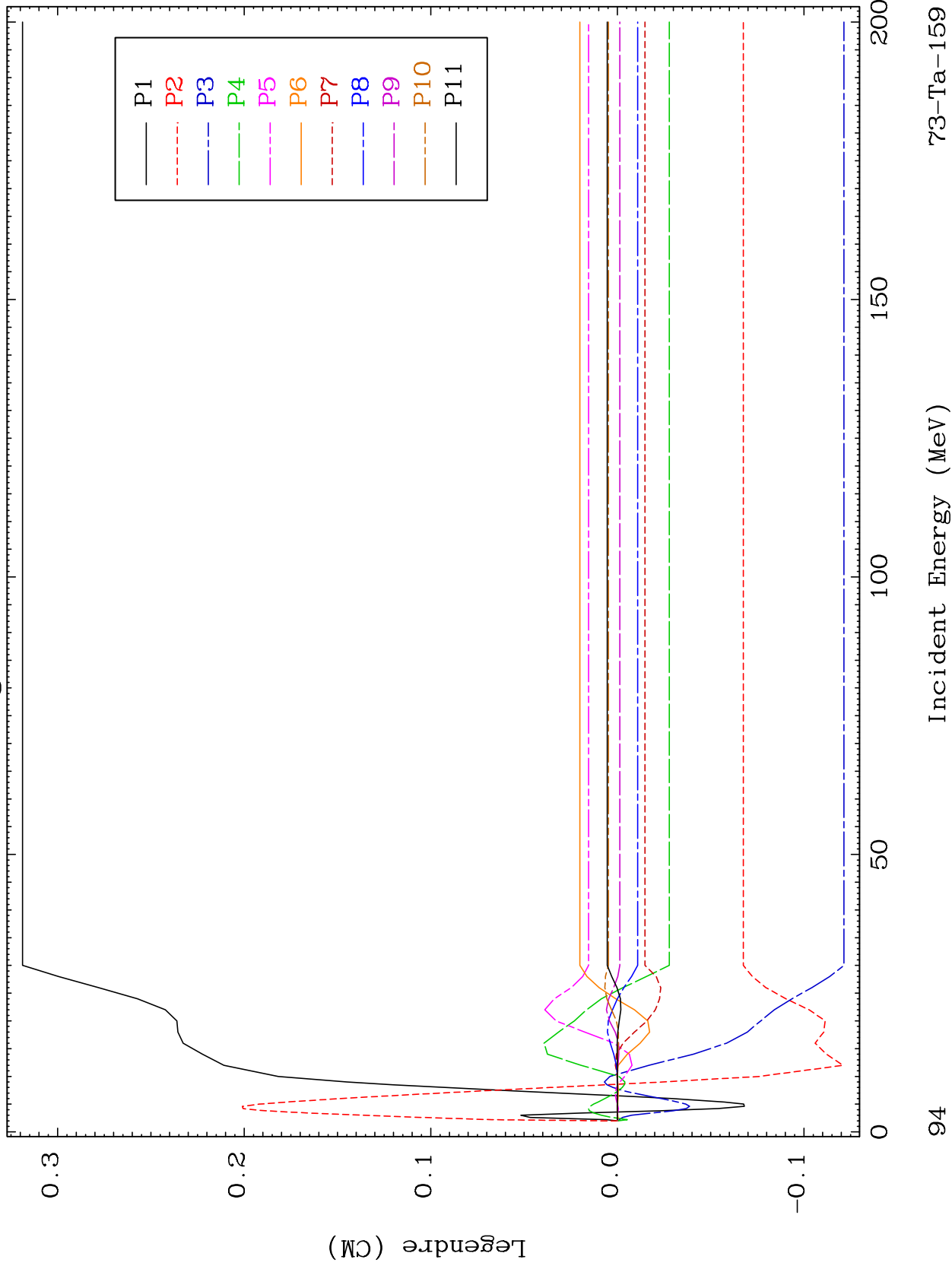
73-Ta-159



MAT 7262

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

73-Ta-159



73-Ta-159

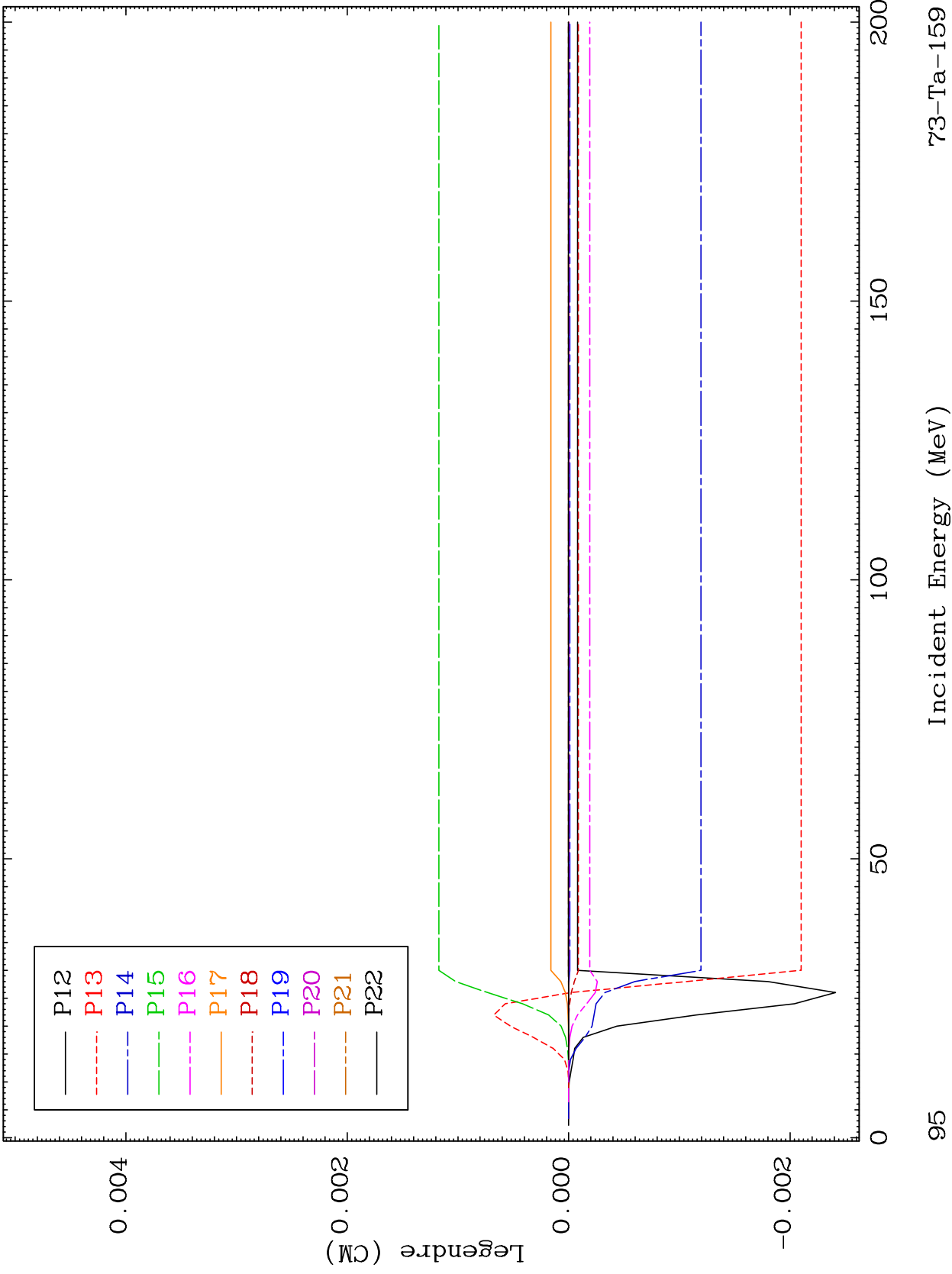
Incident Energy (MeV)

94

MAT 7262

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

73-Ta-159



73-Ta-159

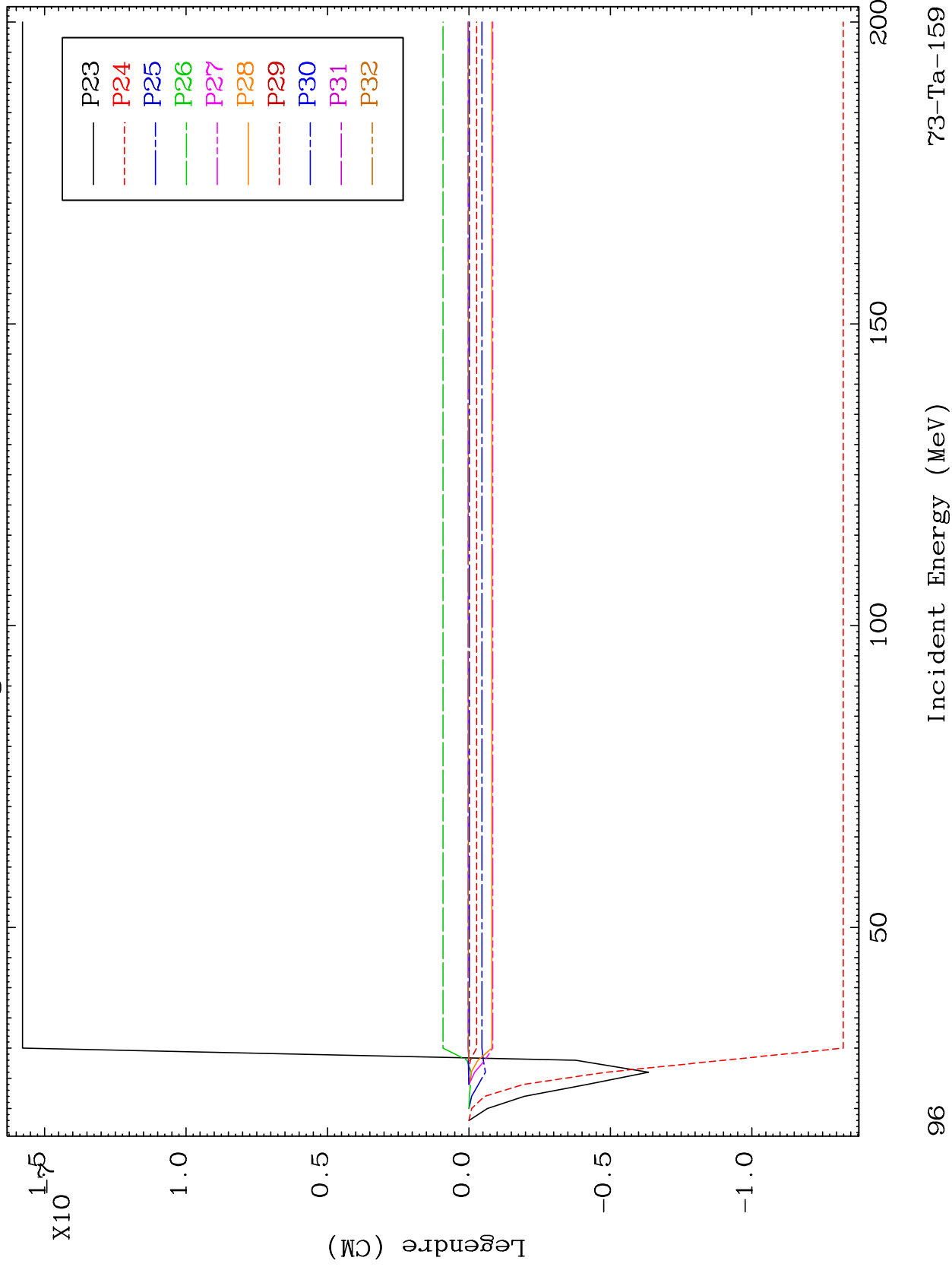
Incident Energy (MeV)

95

MAT 7262

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

73-Ta-159



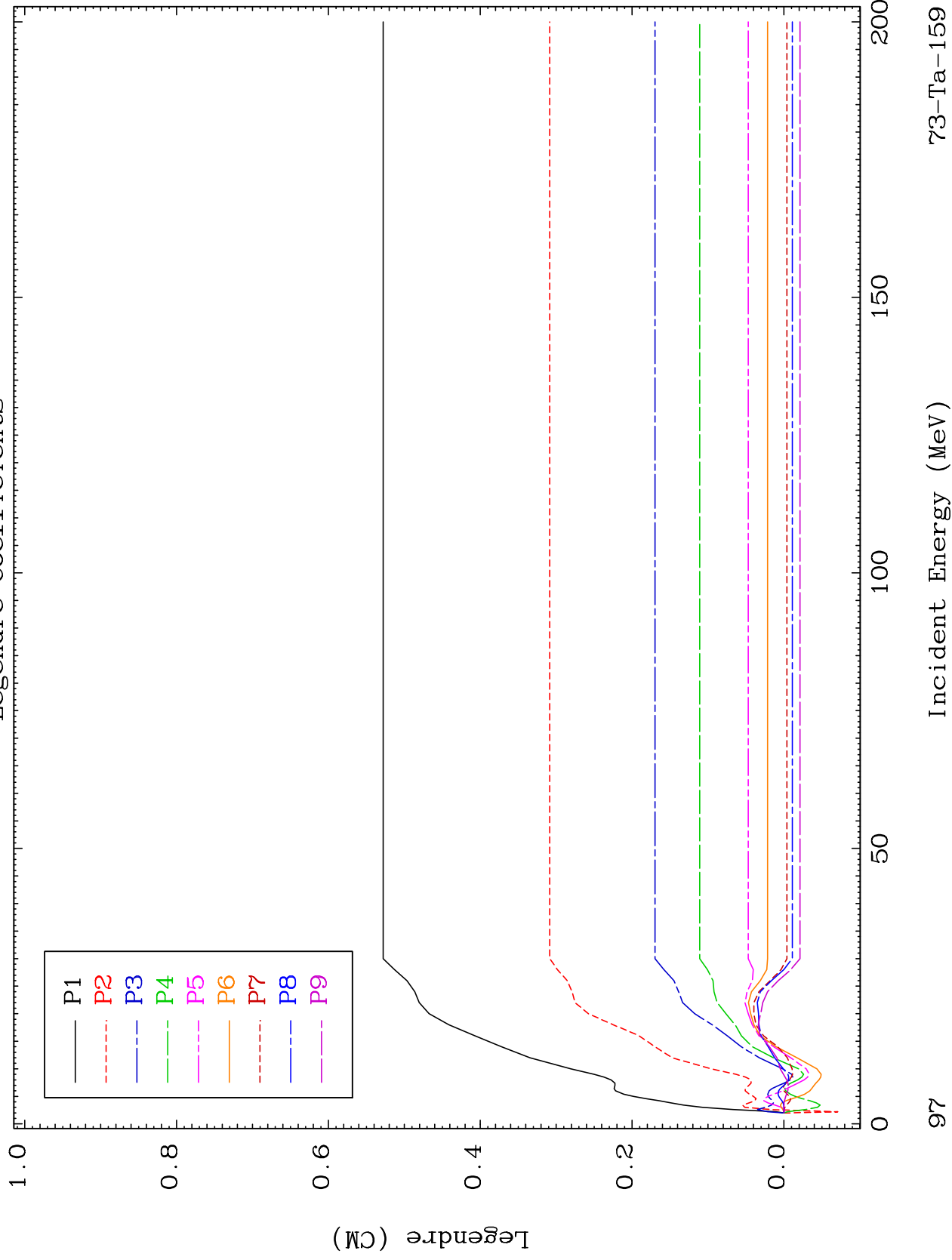
96

73-Ta-159

MAT 7262

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

73-Ta-159



97

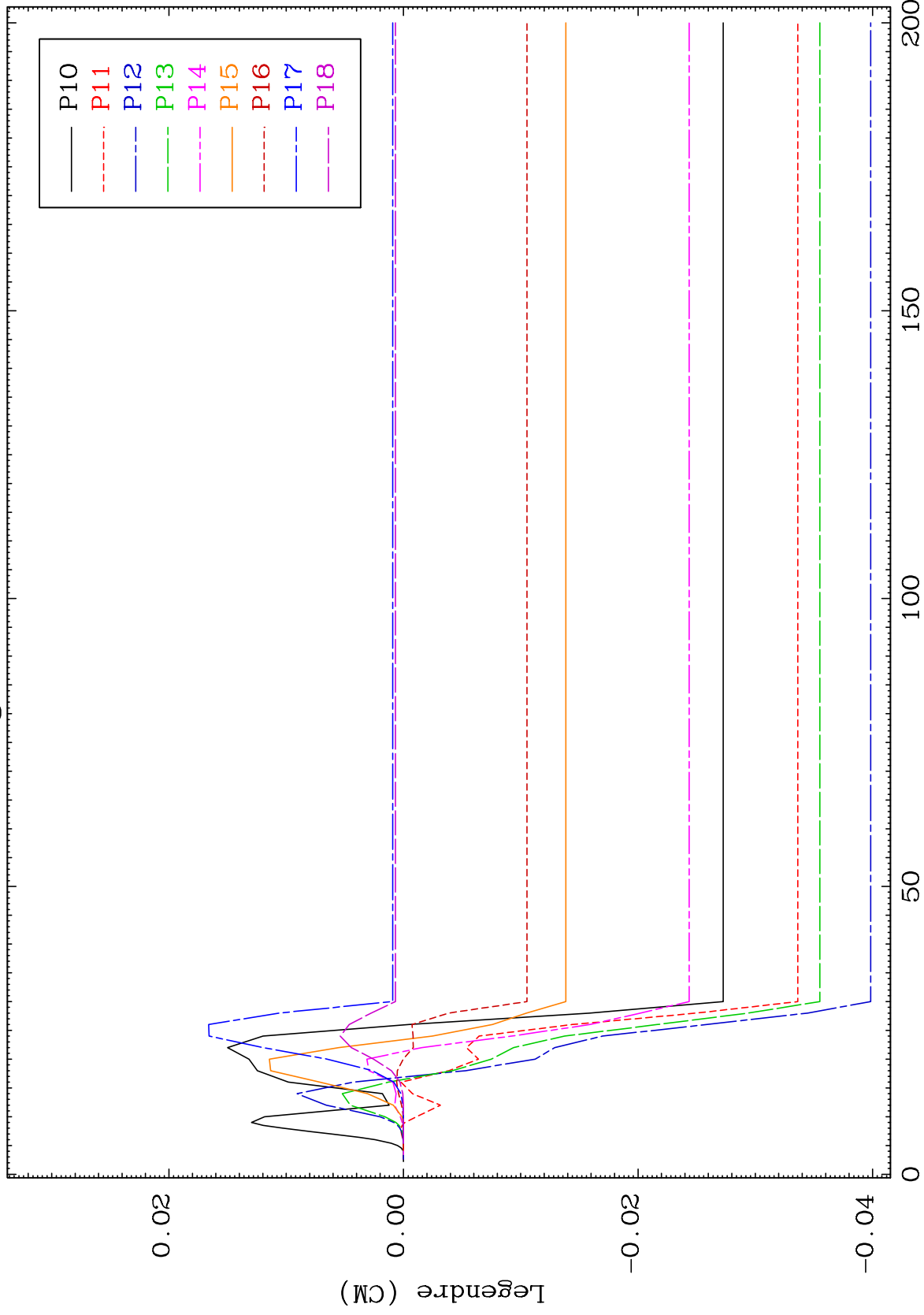
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

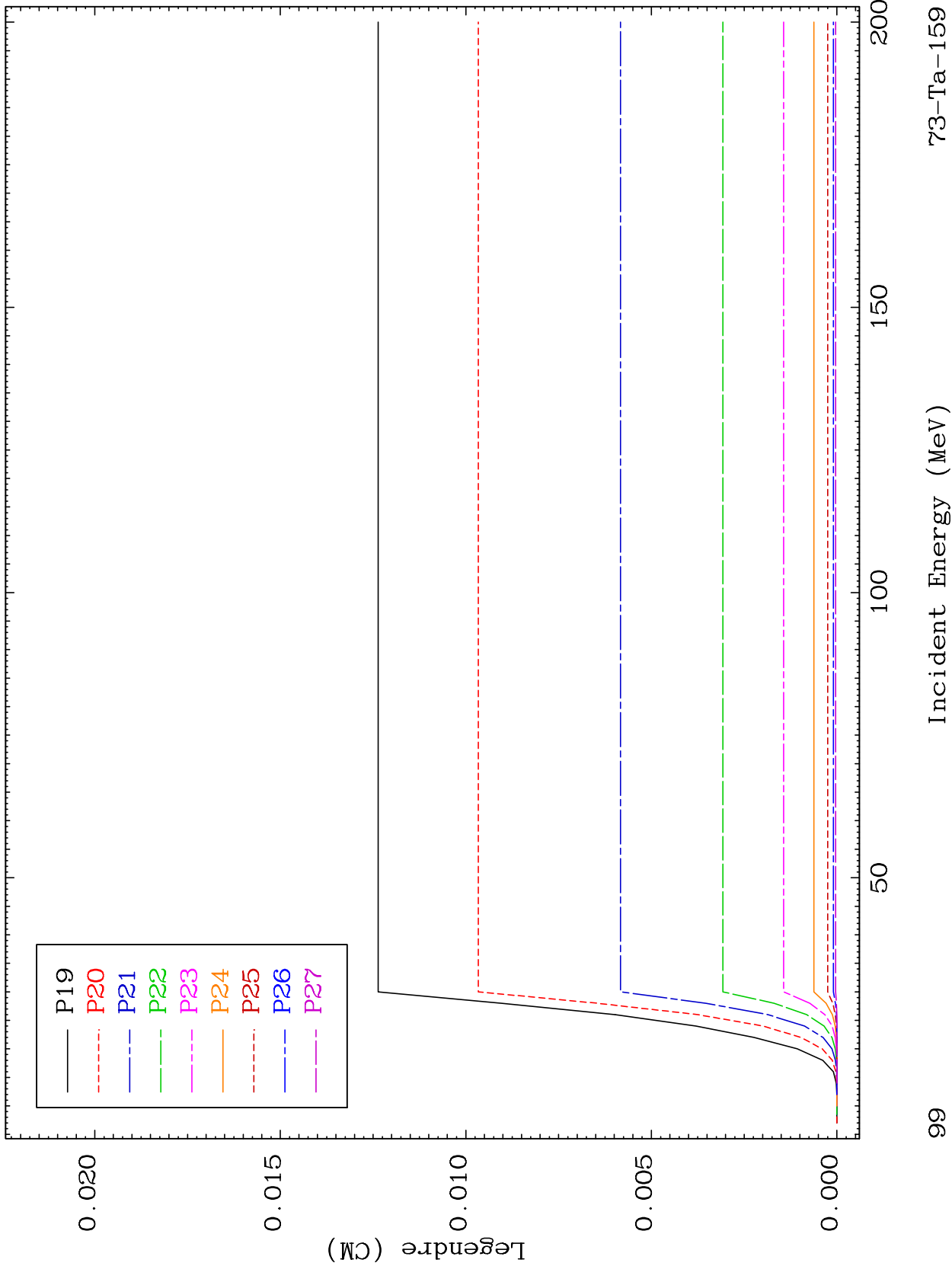
73-Ta-159



98

Incident Energy (MeV)

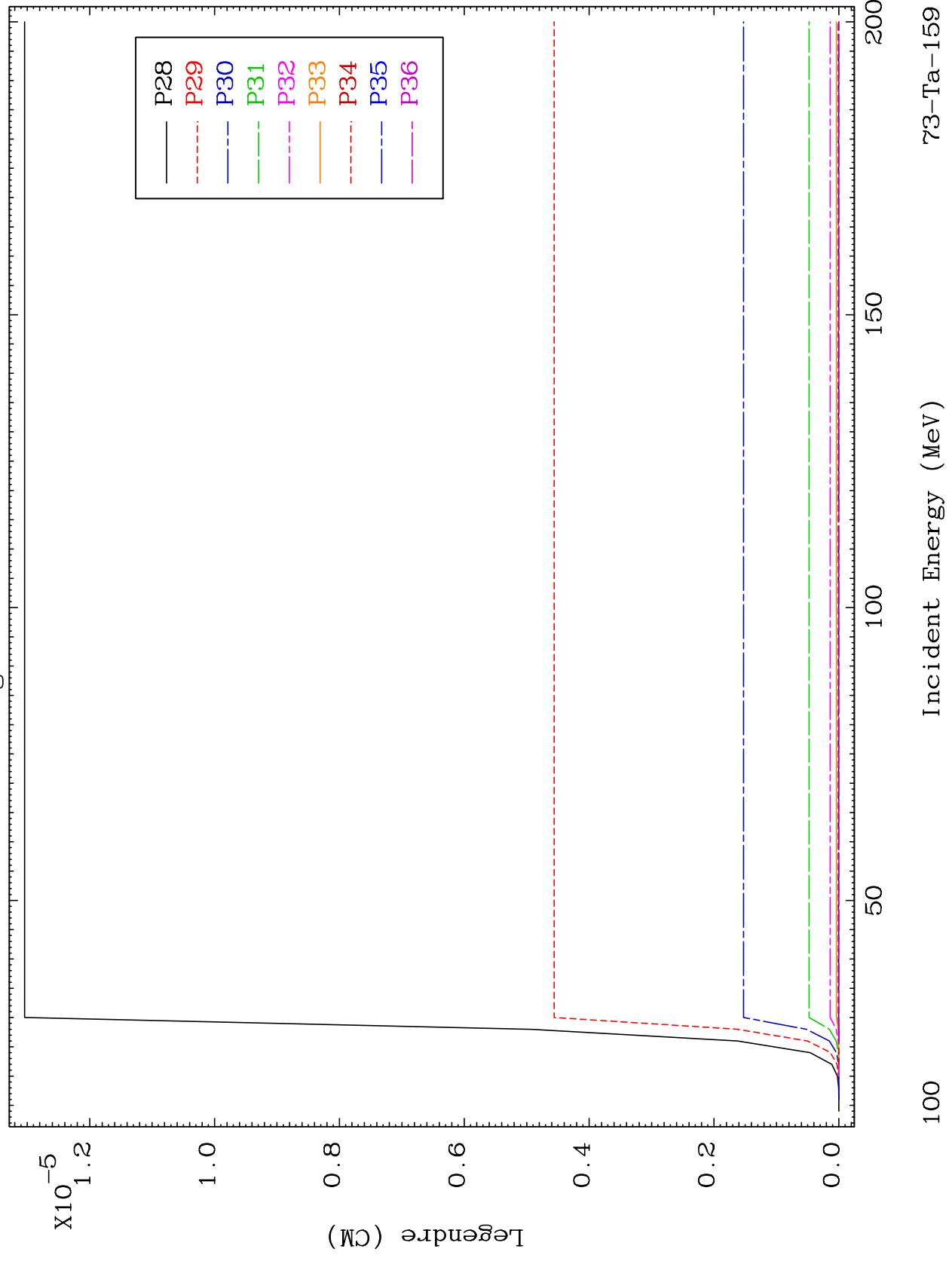
73-Ta-159



MAT 7262

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

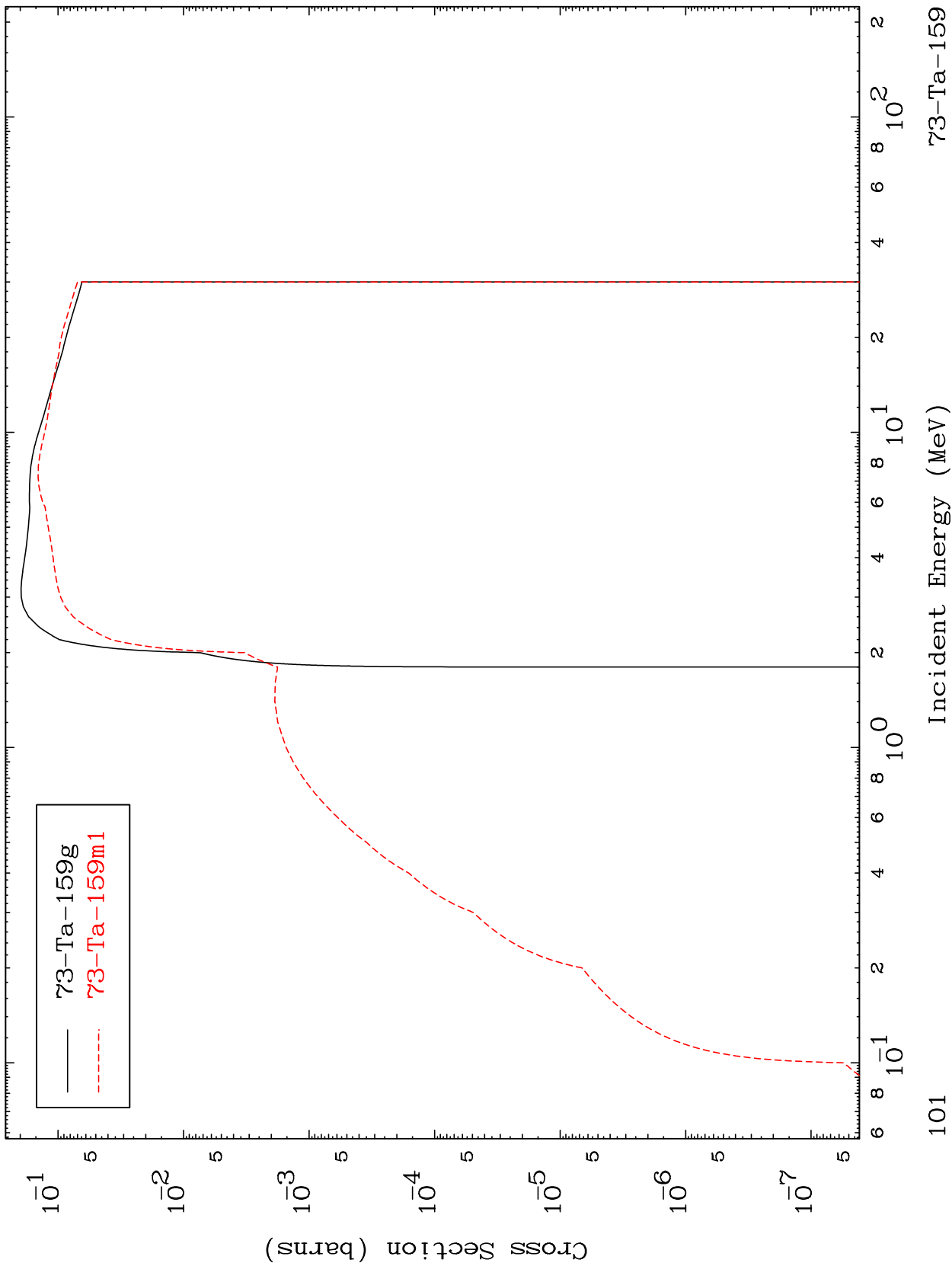
73-Ta-159



MAT 7262

73-Ta-159

Radionuclide Production Cross Section



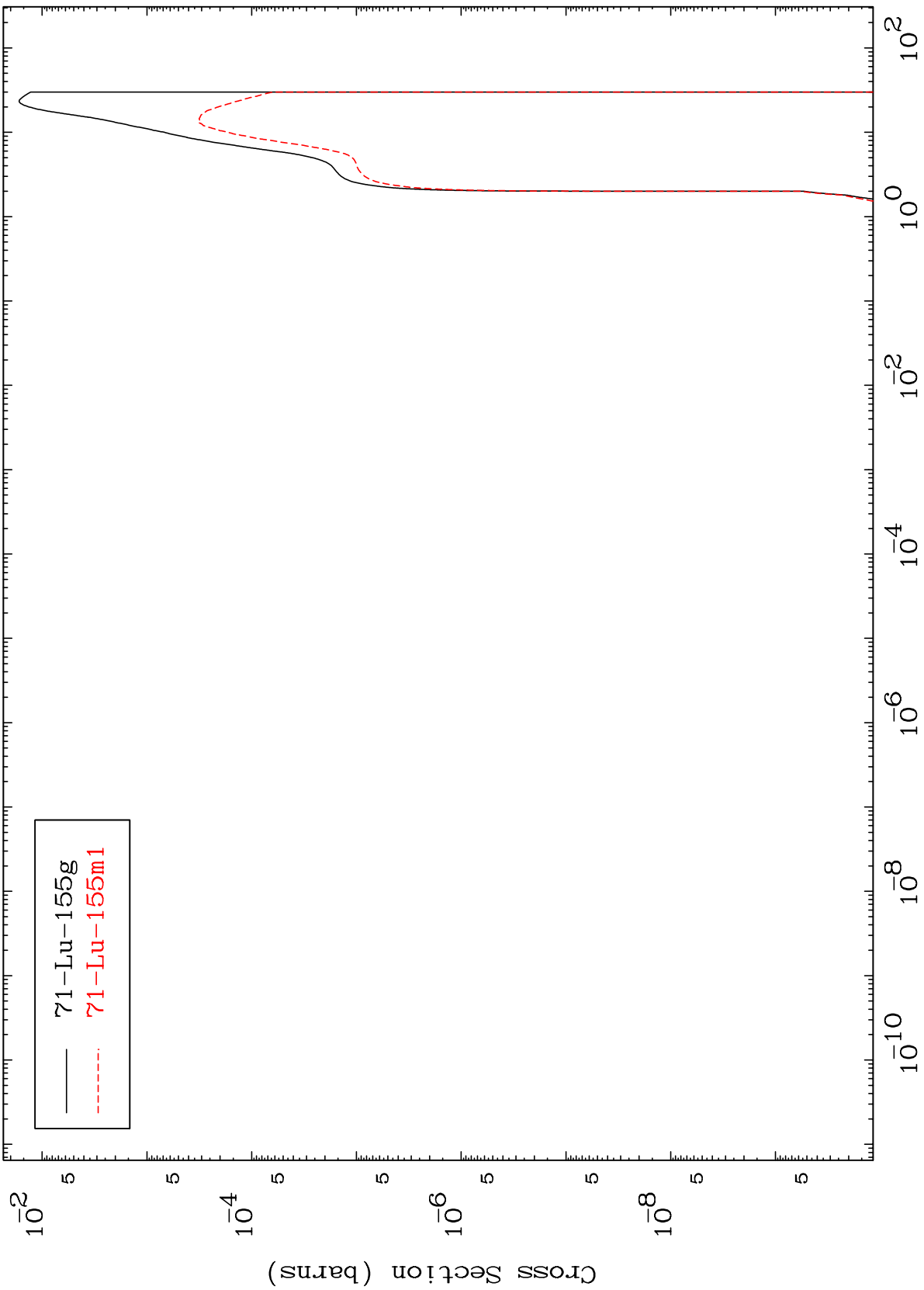
101

MAT 7262

$(n, n') \alpha$

$^{73}\text{Ta-159}$

Radionuclide Production Cross Section



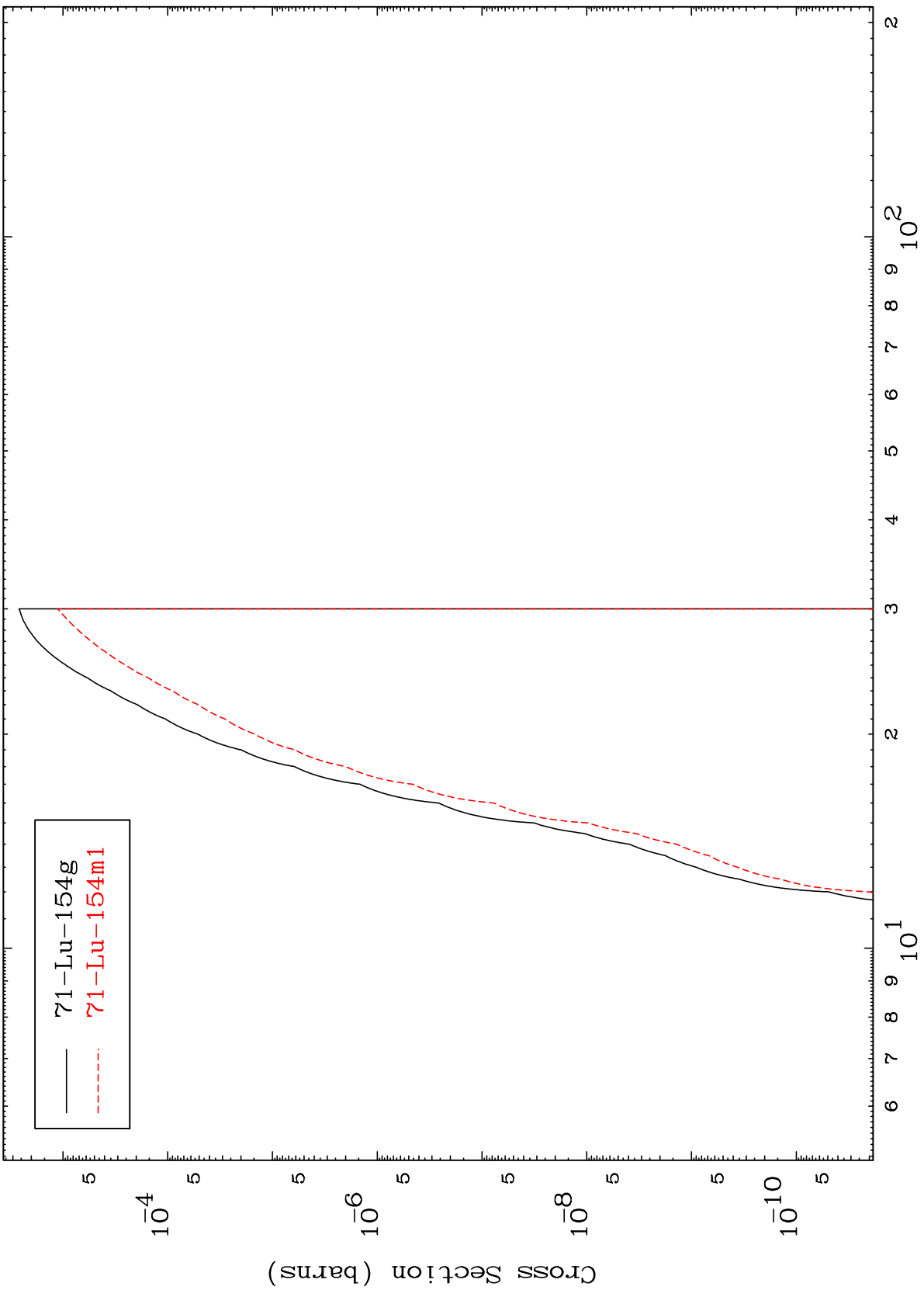
— $^{71}\text{Lu-155g}$
- - - $^{71}\text{Lu-155m1}$

MAT 7262

$(n,2n) \alpha$

$^{73}\text{Ta-159}$

Radionuclide Production Cross Section



103

Incident Energy (MeV)

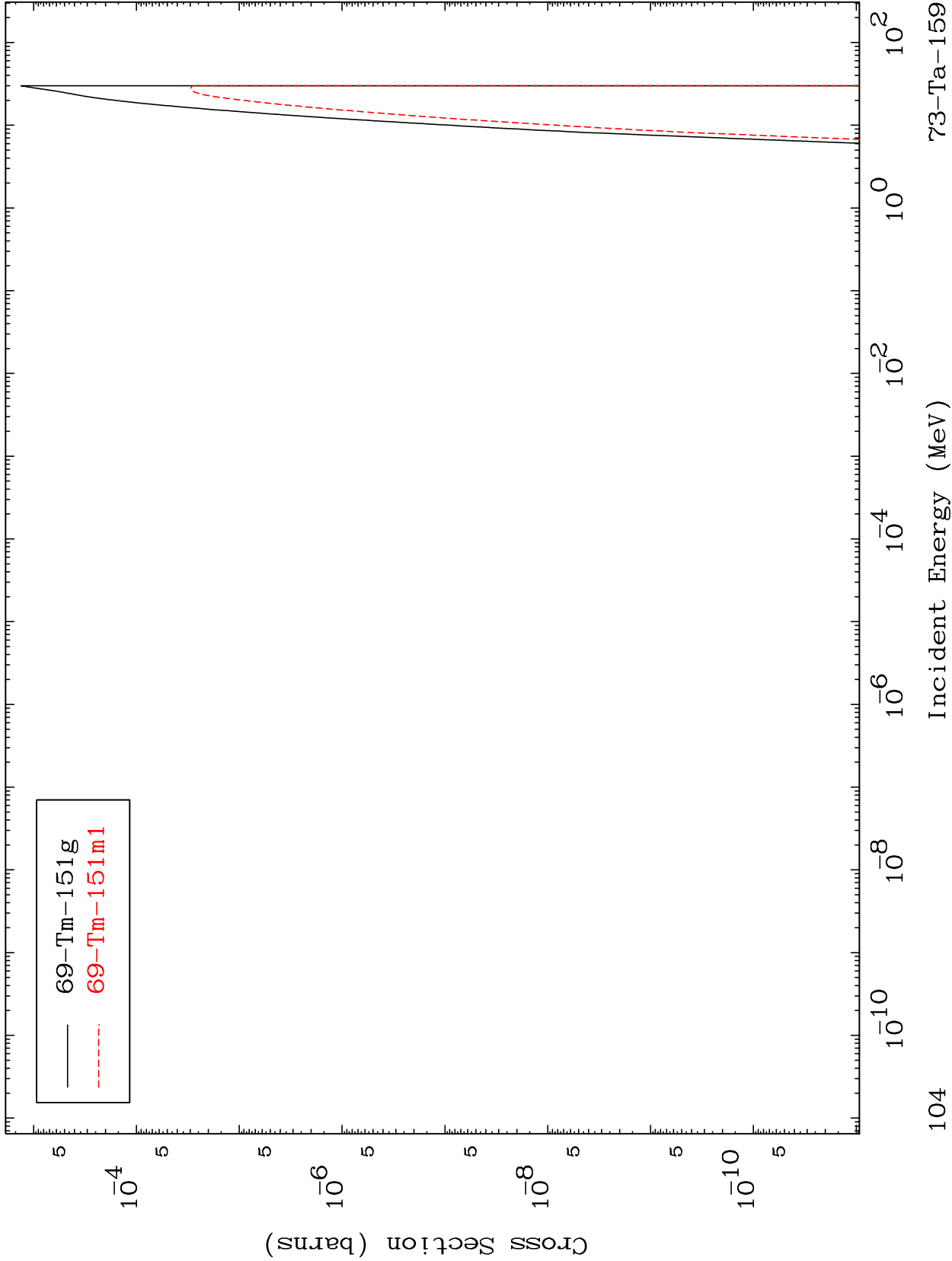
$^{73}\text{Ta-159}$

MAT 7262

(n,n') 2 α

73-Ta-159

Radionuclide Production Cross Section



104

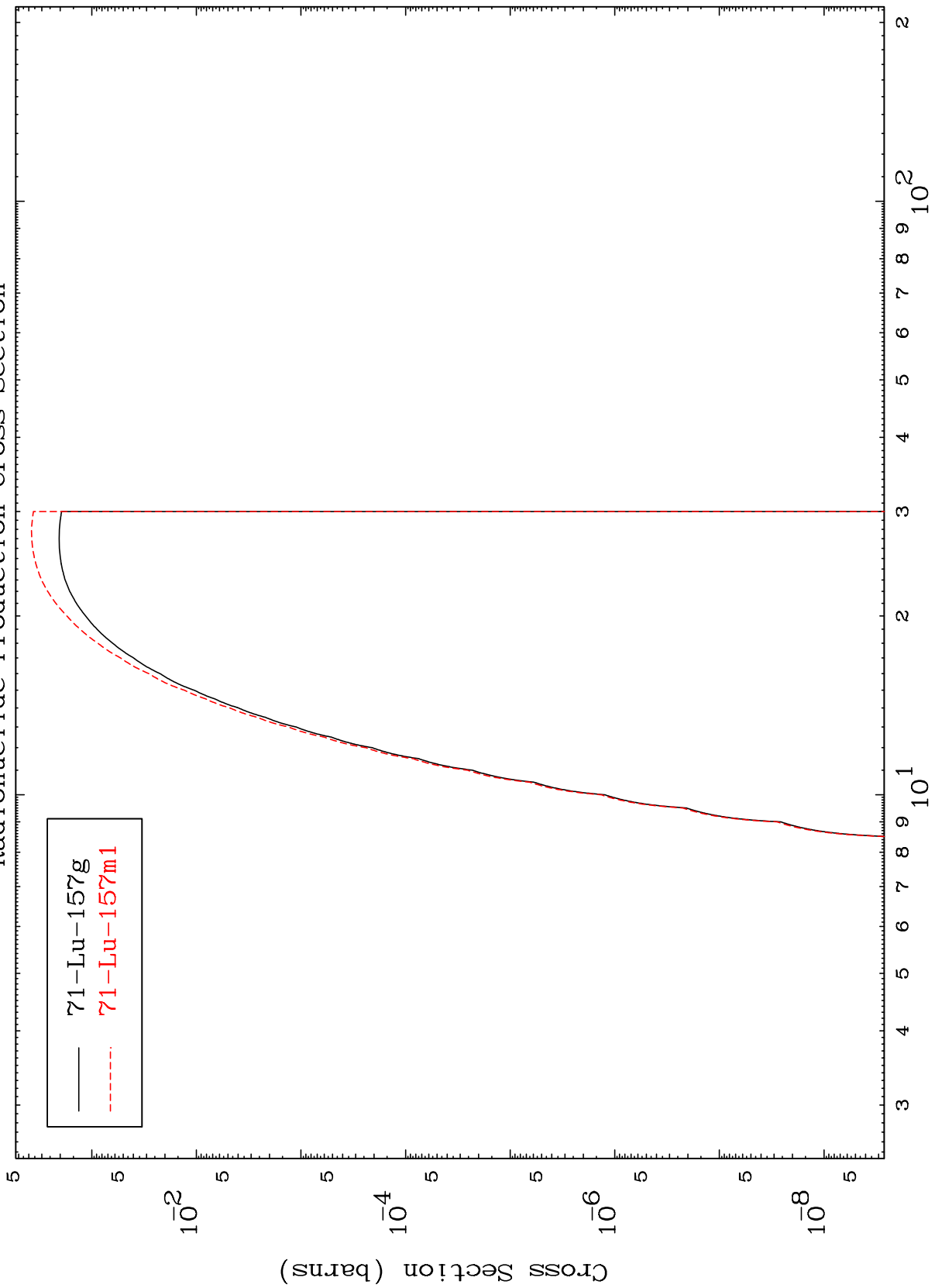
Incident Energy (MeV)

73-Ta-159

MAT 7262

⁷³Ta-159

(n,2n) p
Radionuclide Production Cross Section



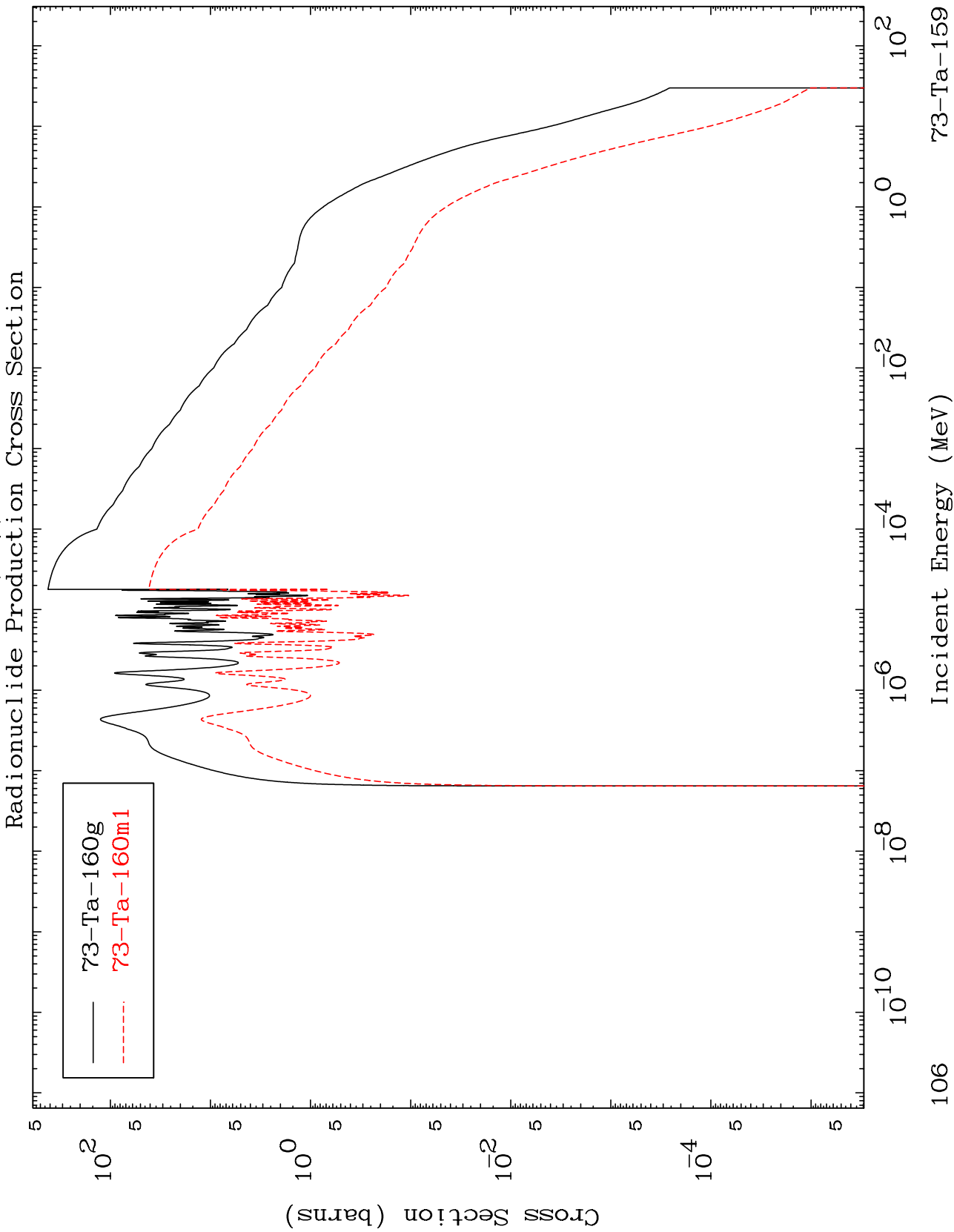
105

Incident Energy (MeV)

⁷³Ta-159

MAT 7262

$^{73}\text{Ta-159}$



106

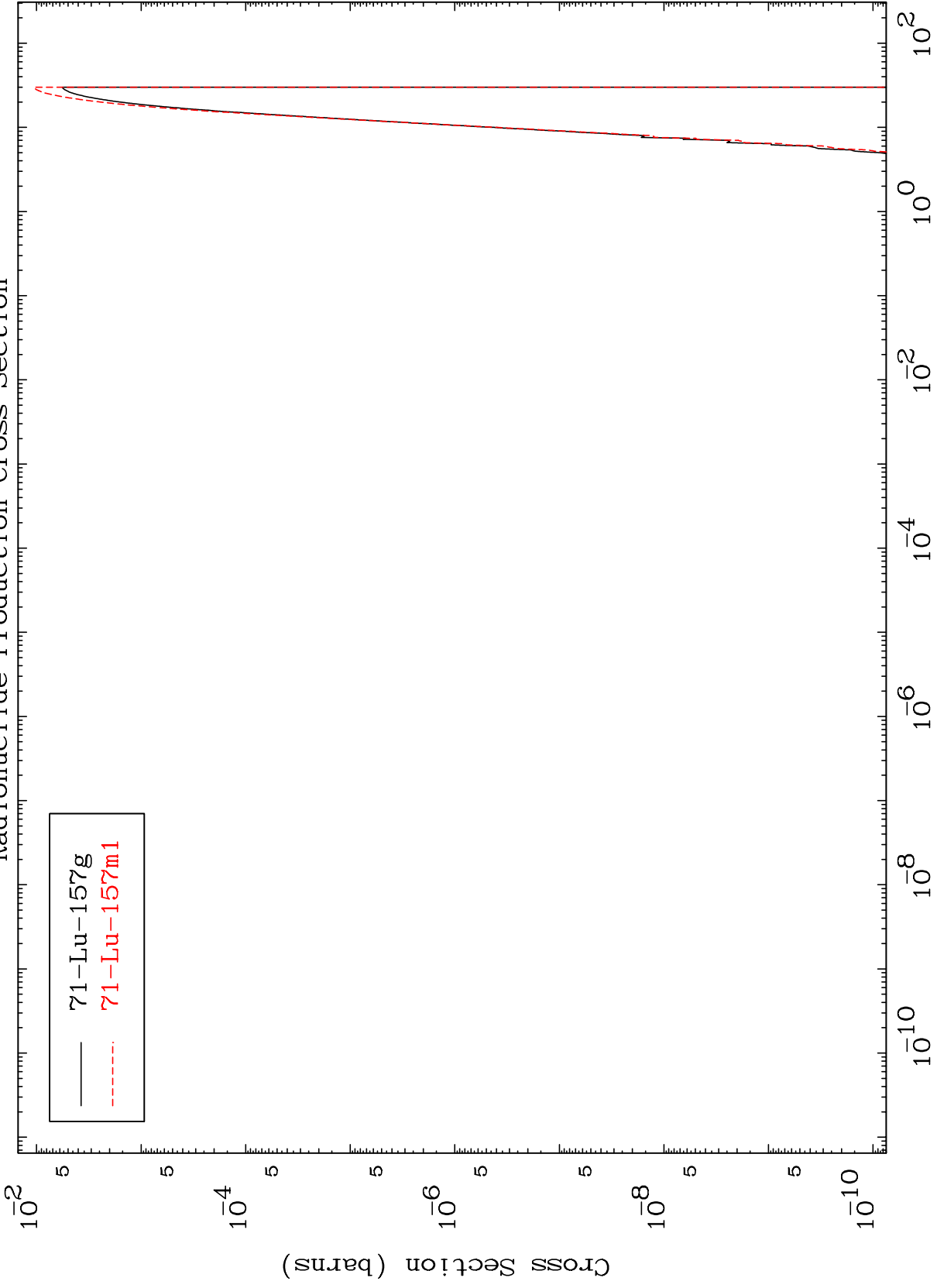
$^{73}\text{Ta-159}$

MAT 7262

(n,He-3)

73-Ta-159

Radionuclide Production Cross Section



71-Lu-157g
71-Lu-157m1

107

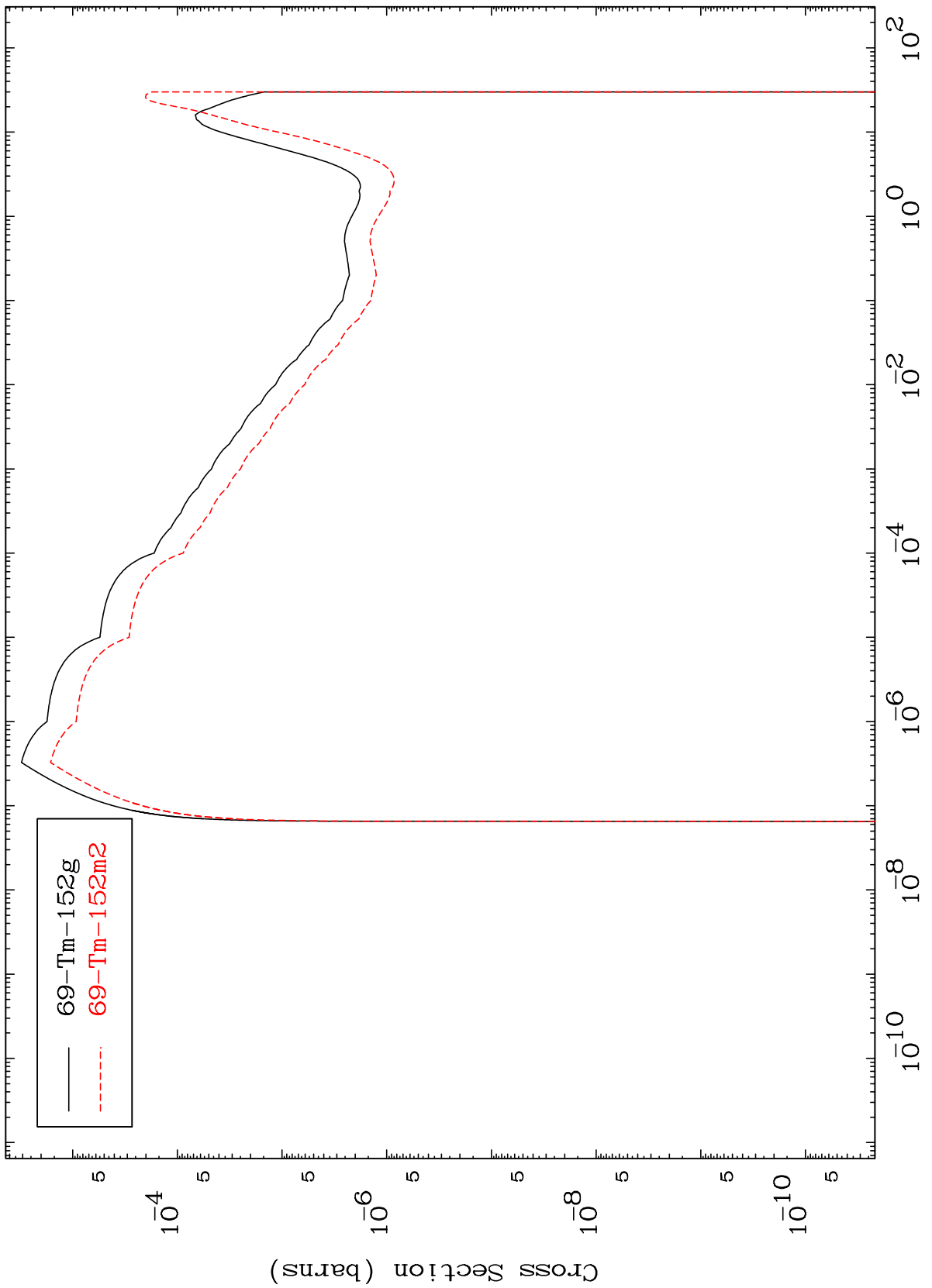
Incident Energy (MeV)

73-Ta-159

MAT 7262

73-Ta-159

Radionuclide Production Cross Section
(n,2α)

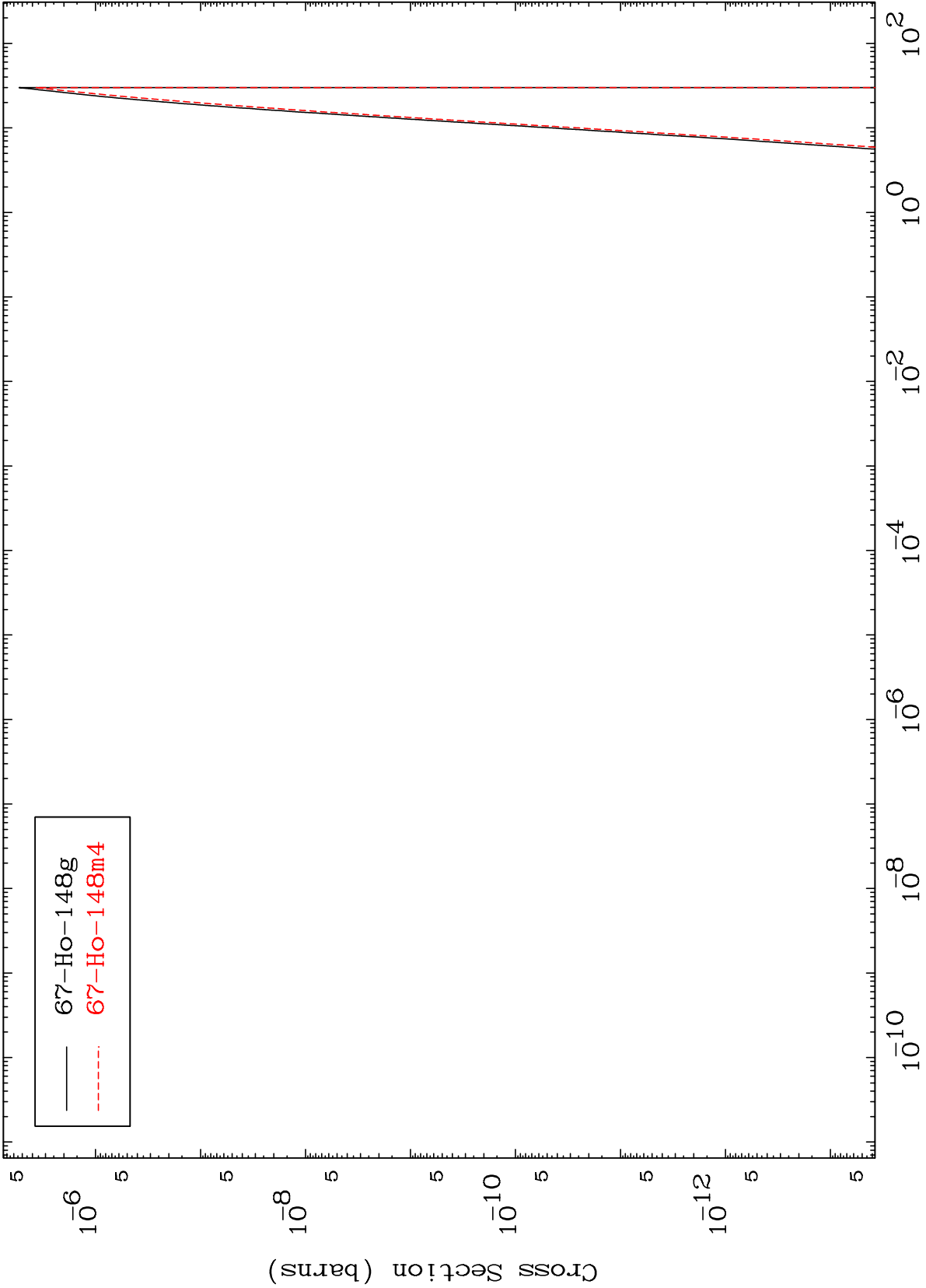


MAT 7262

(n, 3α)

73-Ta-159

Radionuclide Production Cross Section



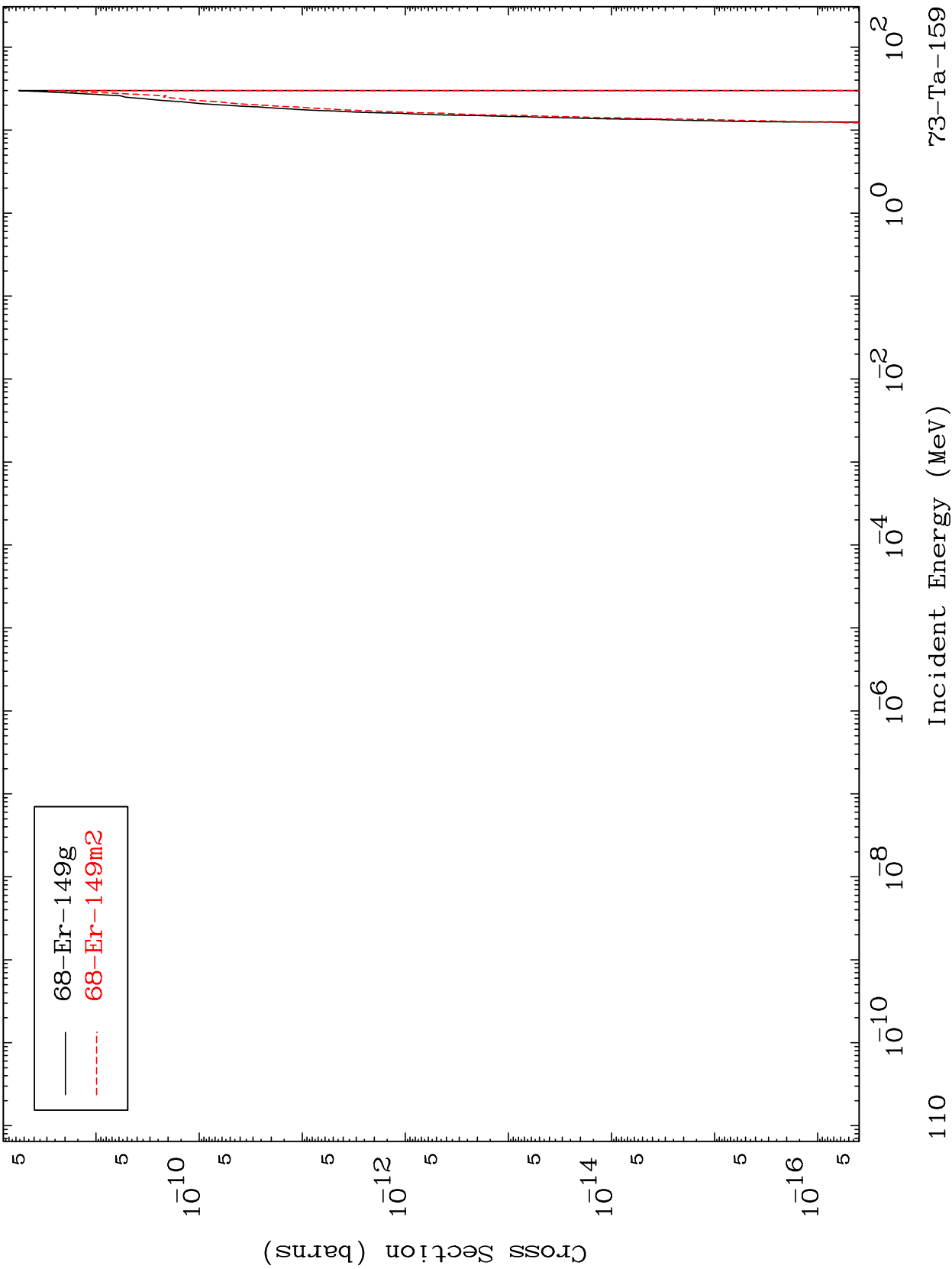
— 67-Ho-148g
- - - 67-Ho-148m4

MAT 7262

(n, t) 2 α

73-Ta-159

Radionuclide Production Cross Section

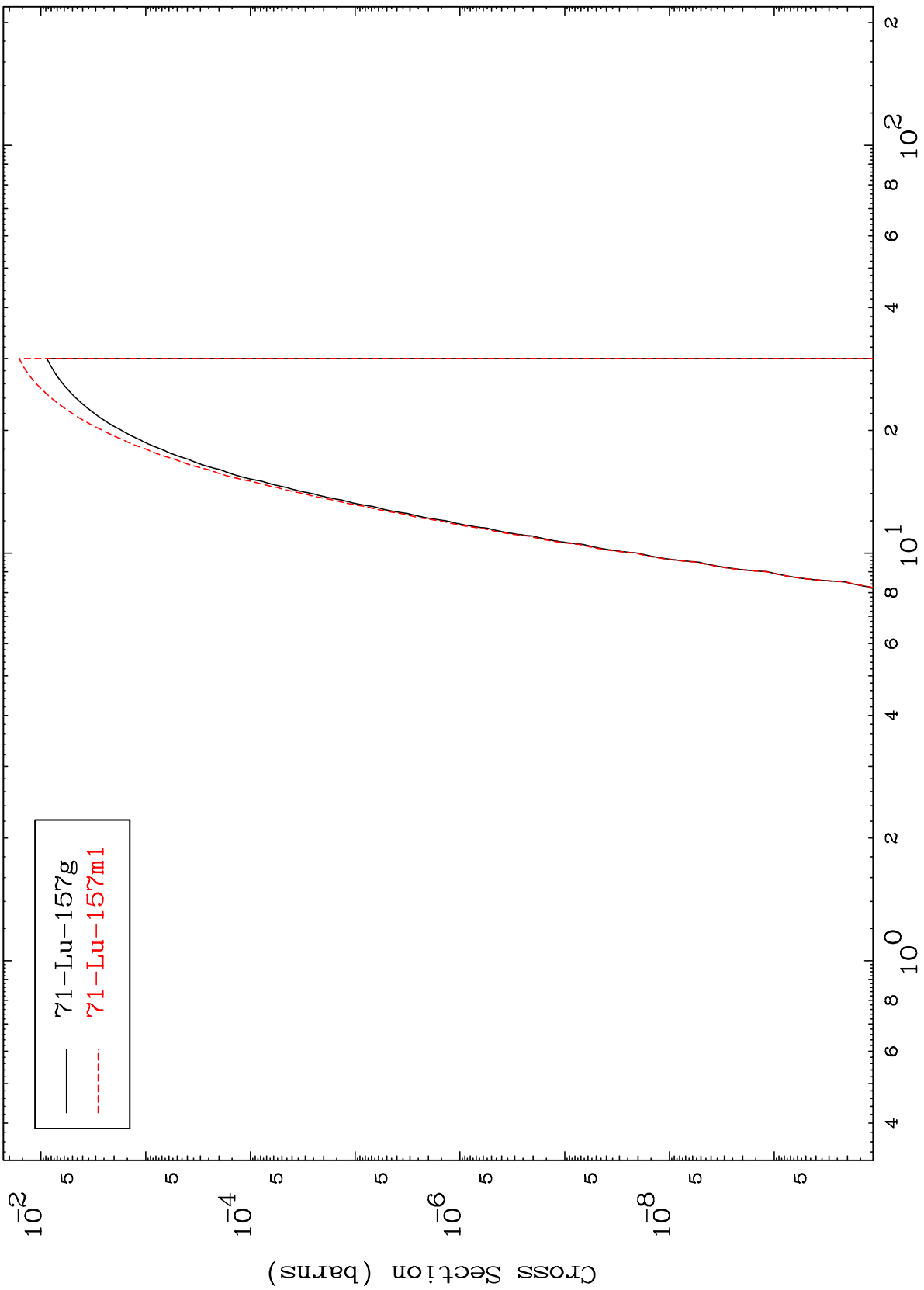


MAT 7262

(n,p) d

⁷³Ta-159

Radionuclide Production Cross Section



71-Lu-157g
71-Lu-157m1

111

Incident Energy (MeV)

⁷³Ta-159