

Program EVALPLOT
(Version 2018-1)

by

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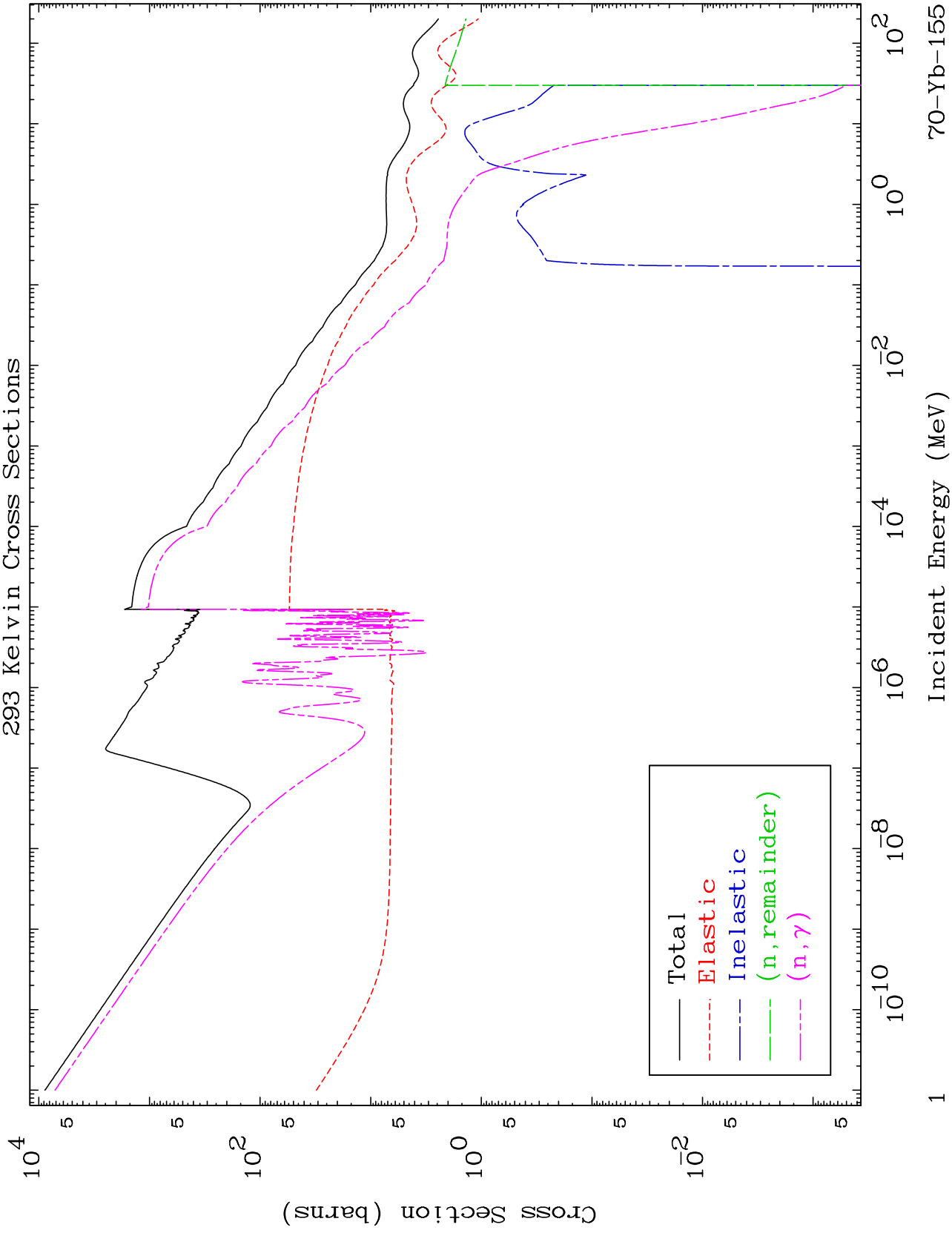
Press Mouse Button to Start

MAT 6986

Major

293 Kelvin Cross Sections

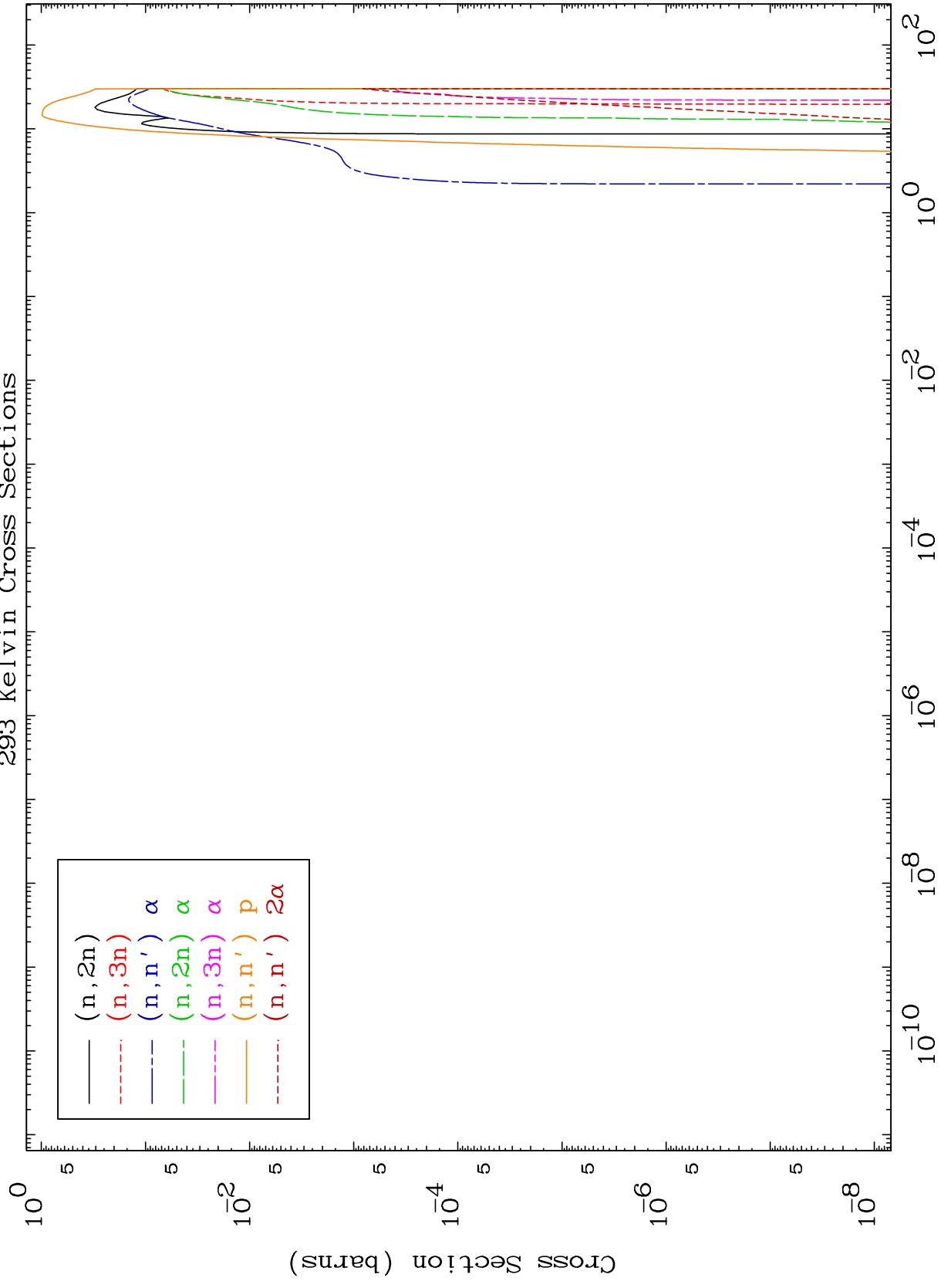
70-Yb-155



MAT 6986

Neutron Production
293 Kelvin Cross Sections

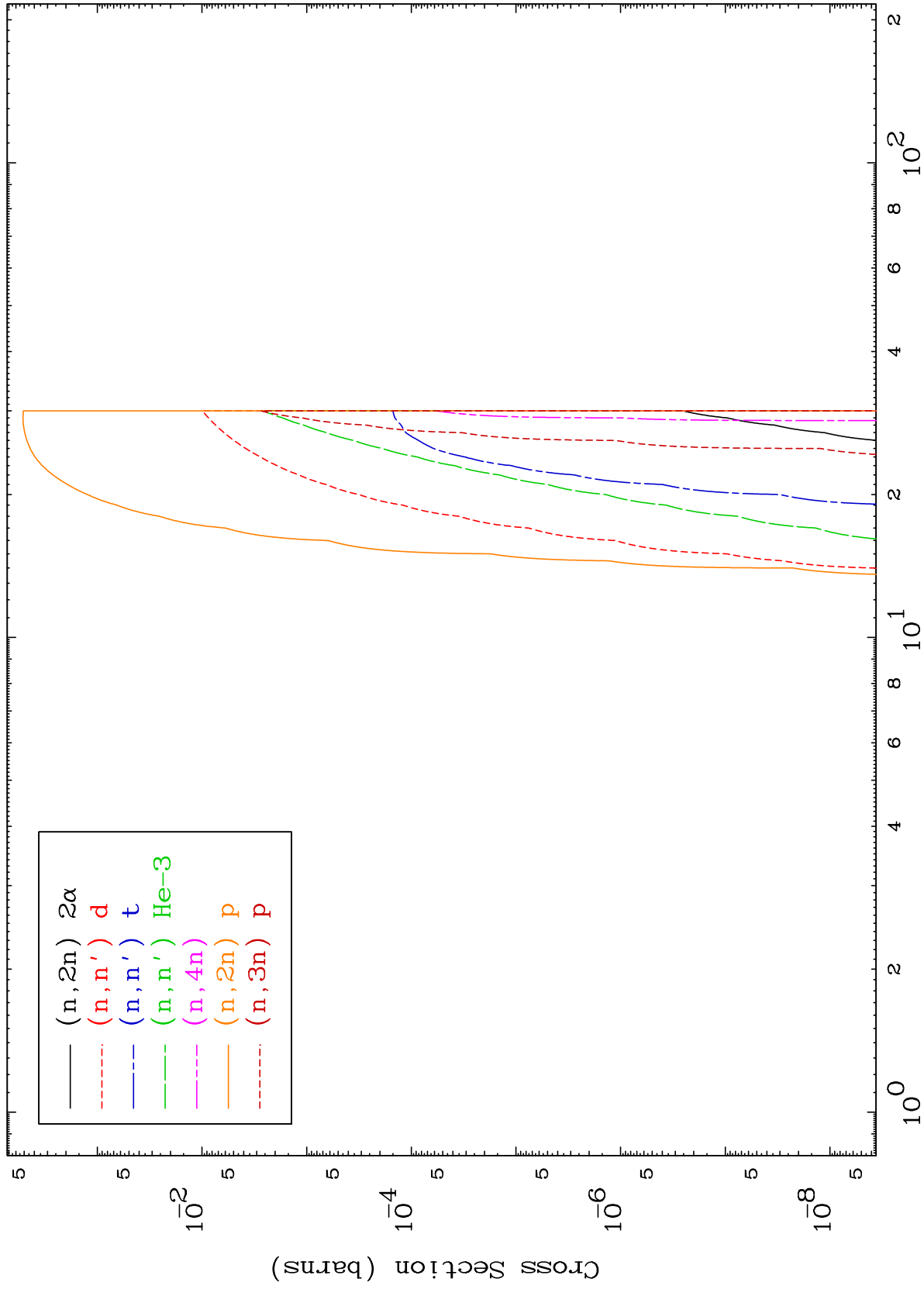
70-Yb-155



MAT 6986

Neutron Production
293 Kelvin Cross Sections

70-Yb-155



3

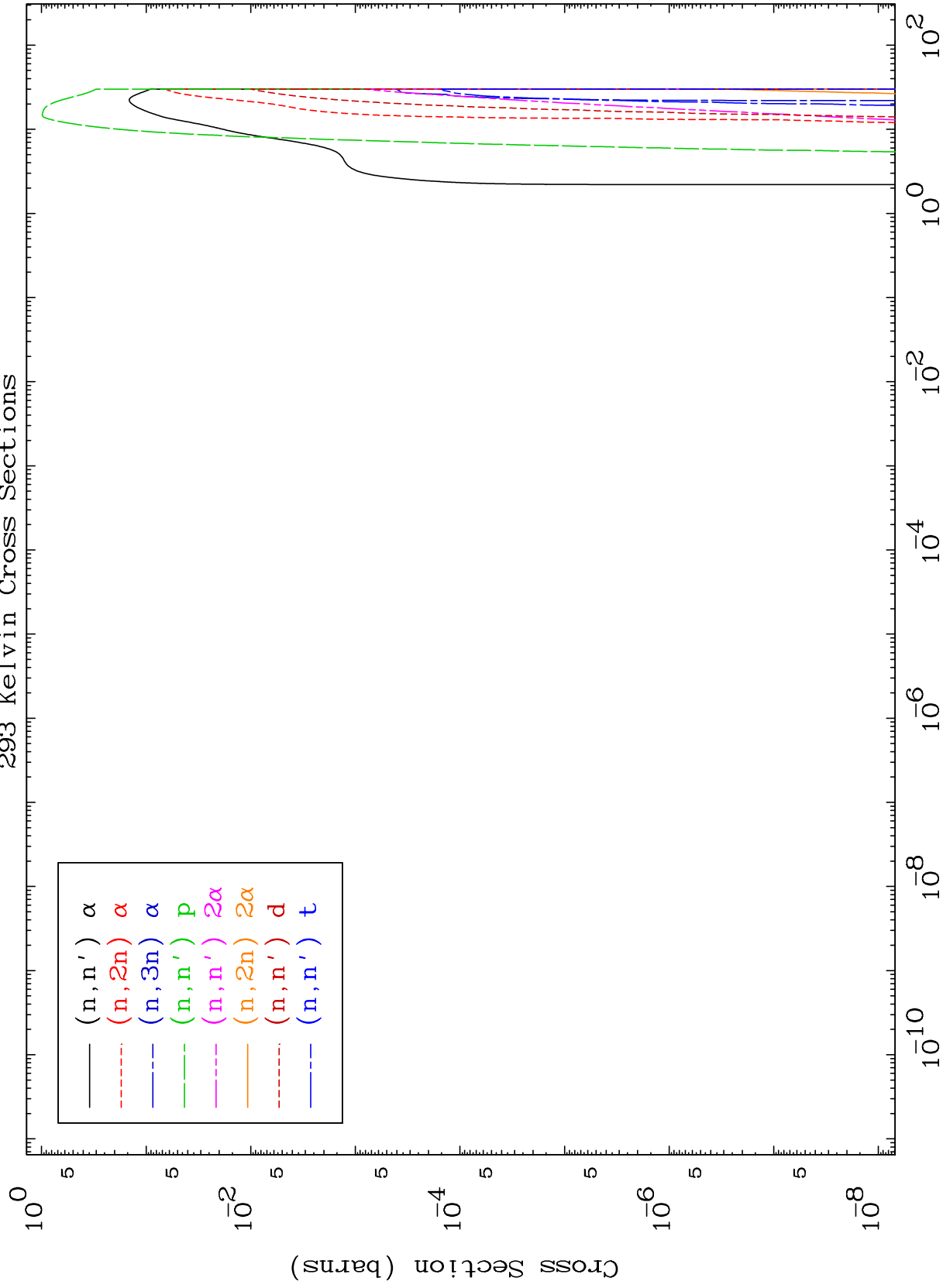
Incident Energy (MeV)

70-Yb-155

MAT 6986

293 Kelvin Cross Sections

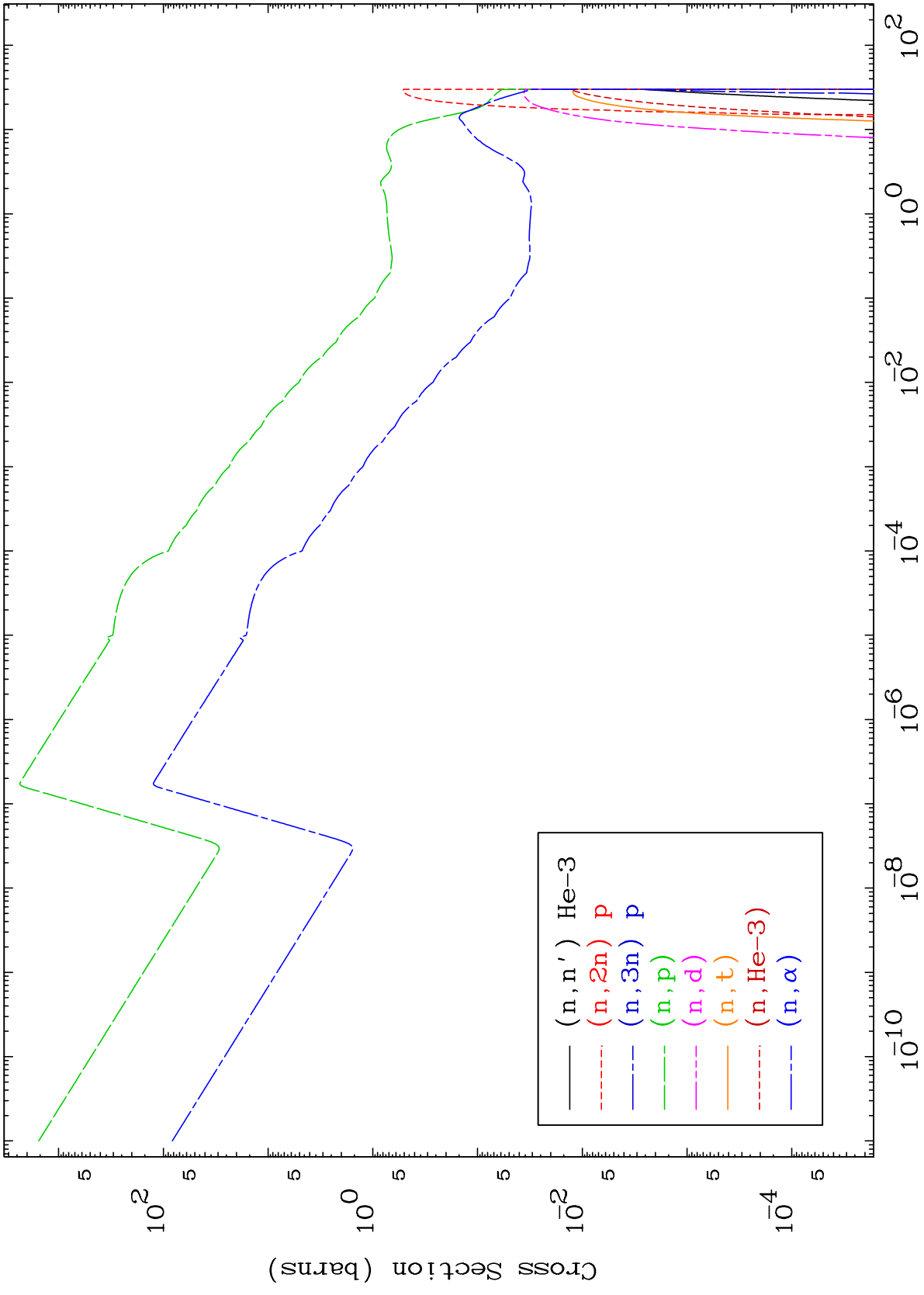
70-Yb-155



MAT 6986

Charged Particle
293 Kelvin Cross Sections

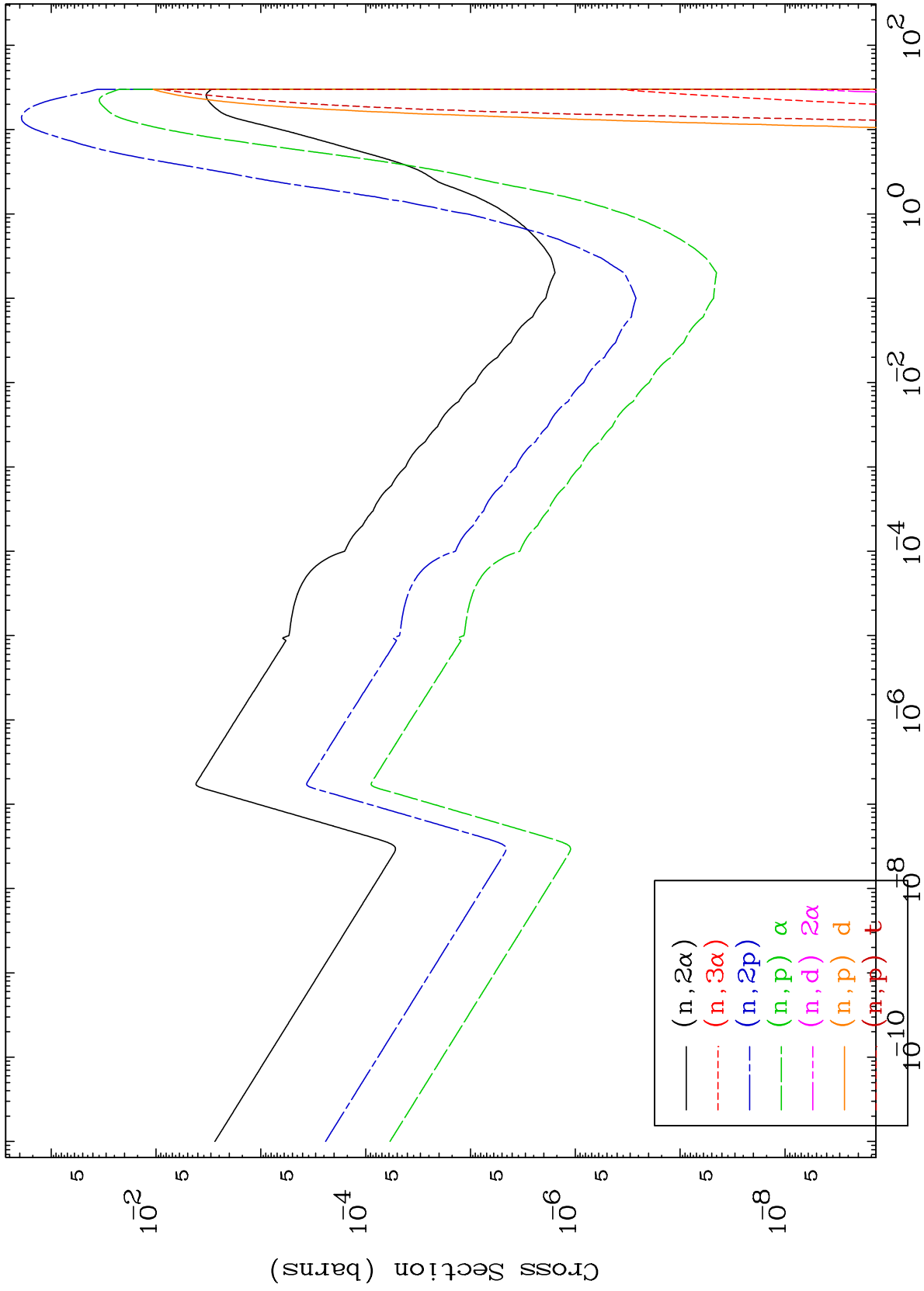
70-Yb-155



MAT 6986

Charged Particle
293 Kelvin Cross Sections

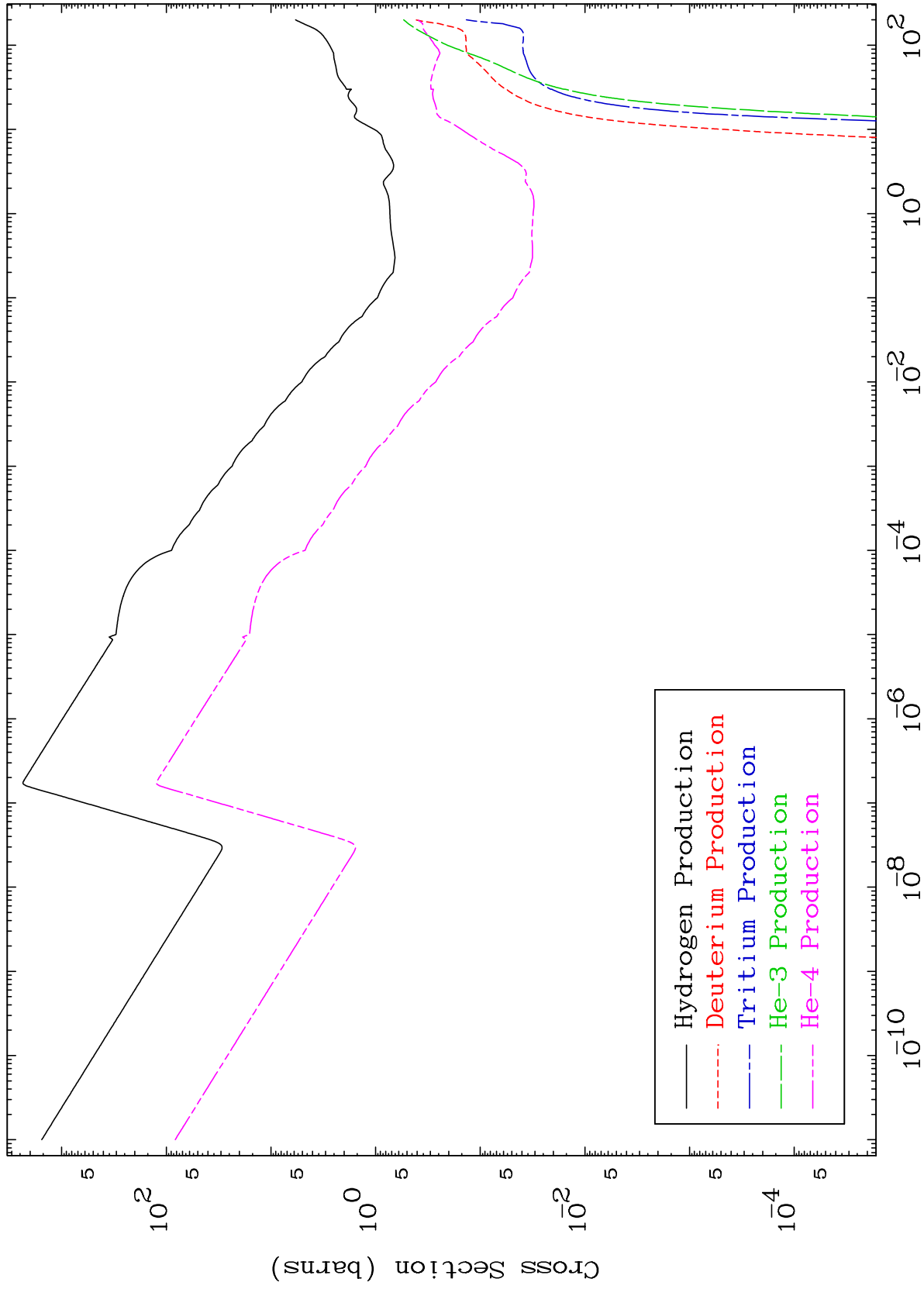
70-Yb-155



MAT 6986

Particle Production
293 Kelvin Cross Sections

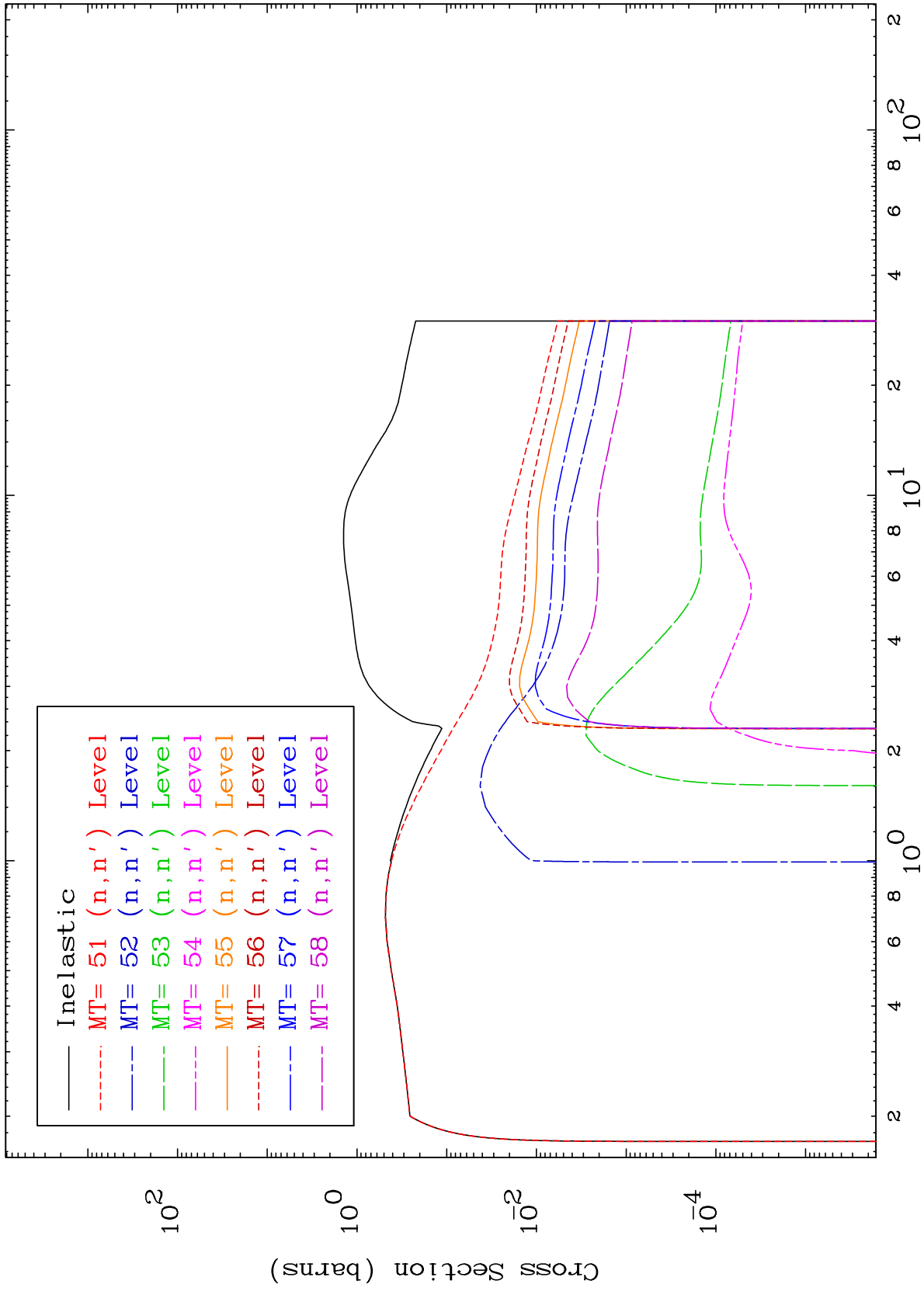
70-Yb-155



MAT 6986

(n,n') Level
293 Kelvin Cross Sections

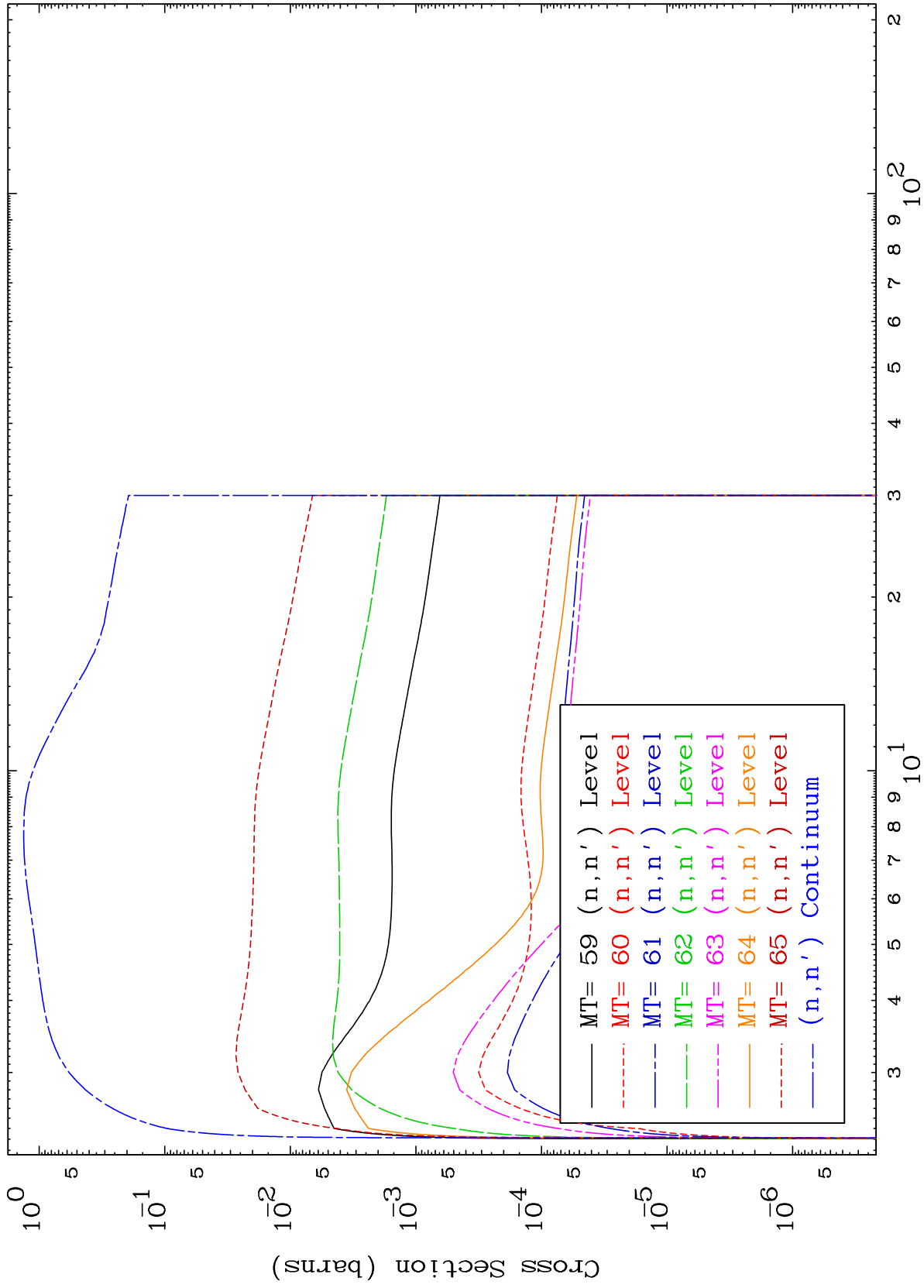
70-Yb-155



MAT 6986

(n,n') Level
293 Kelvin Cross Sections

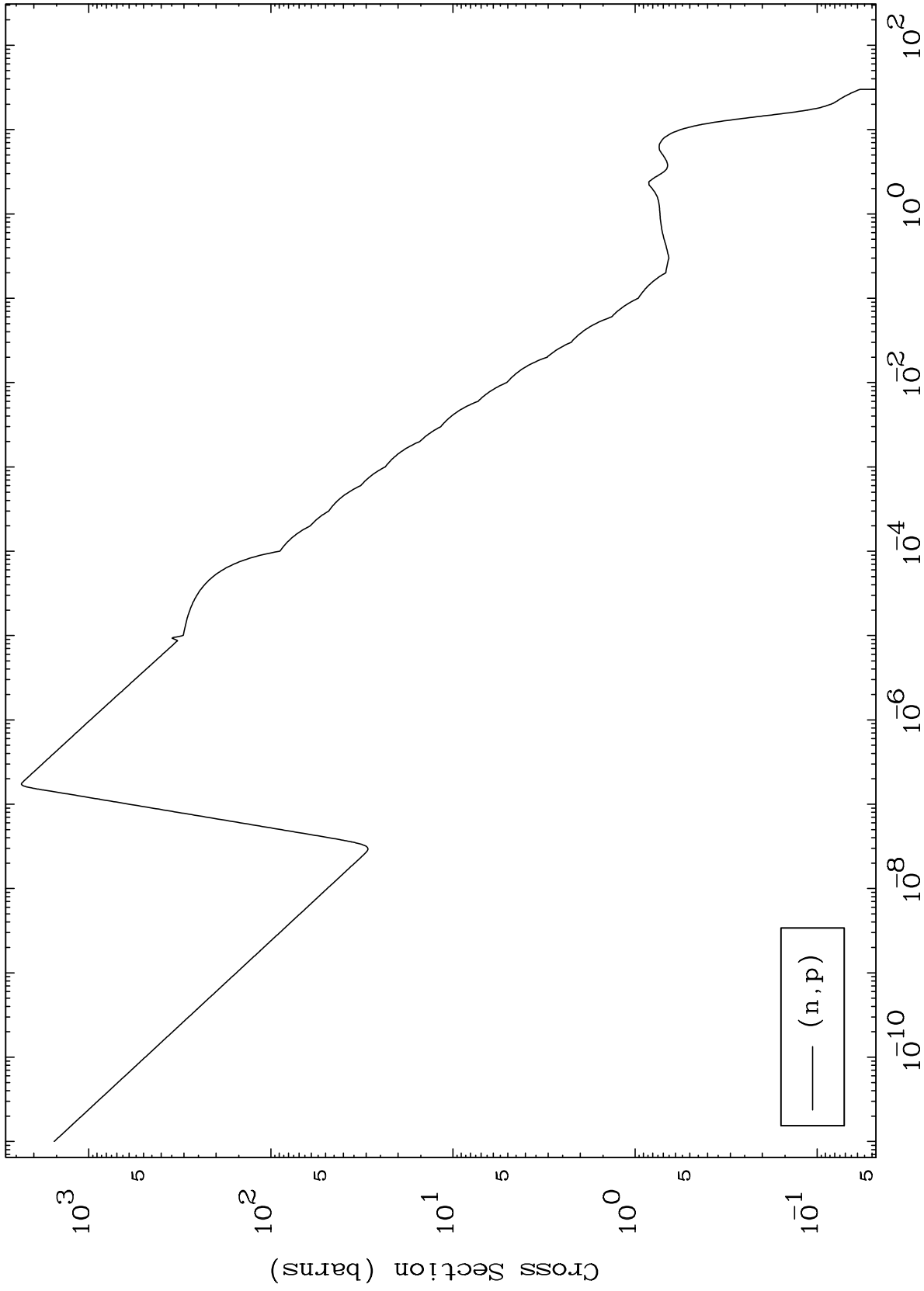
70-Yb-155



MAT 6986

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-155



10

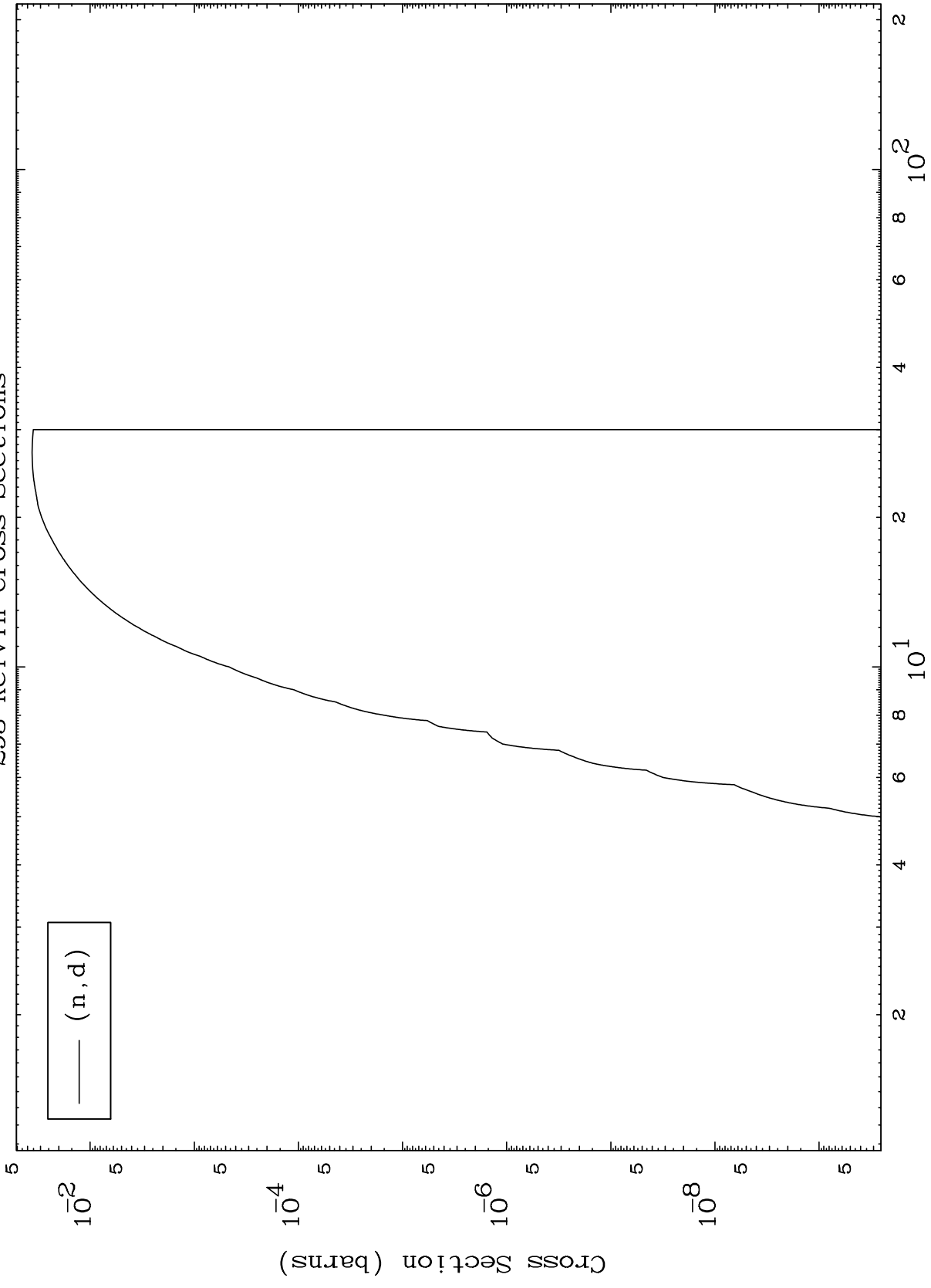
Incident Energy (MeV)

70-Yb-155

MAT 6986

(n,d) Levels
293 Kelvin Cross Sections

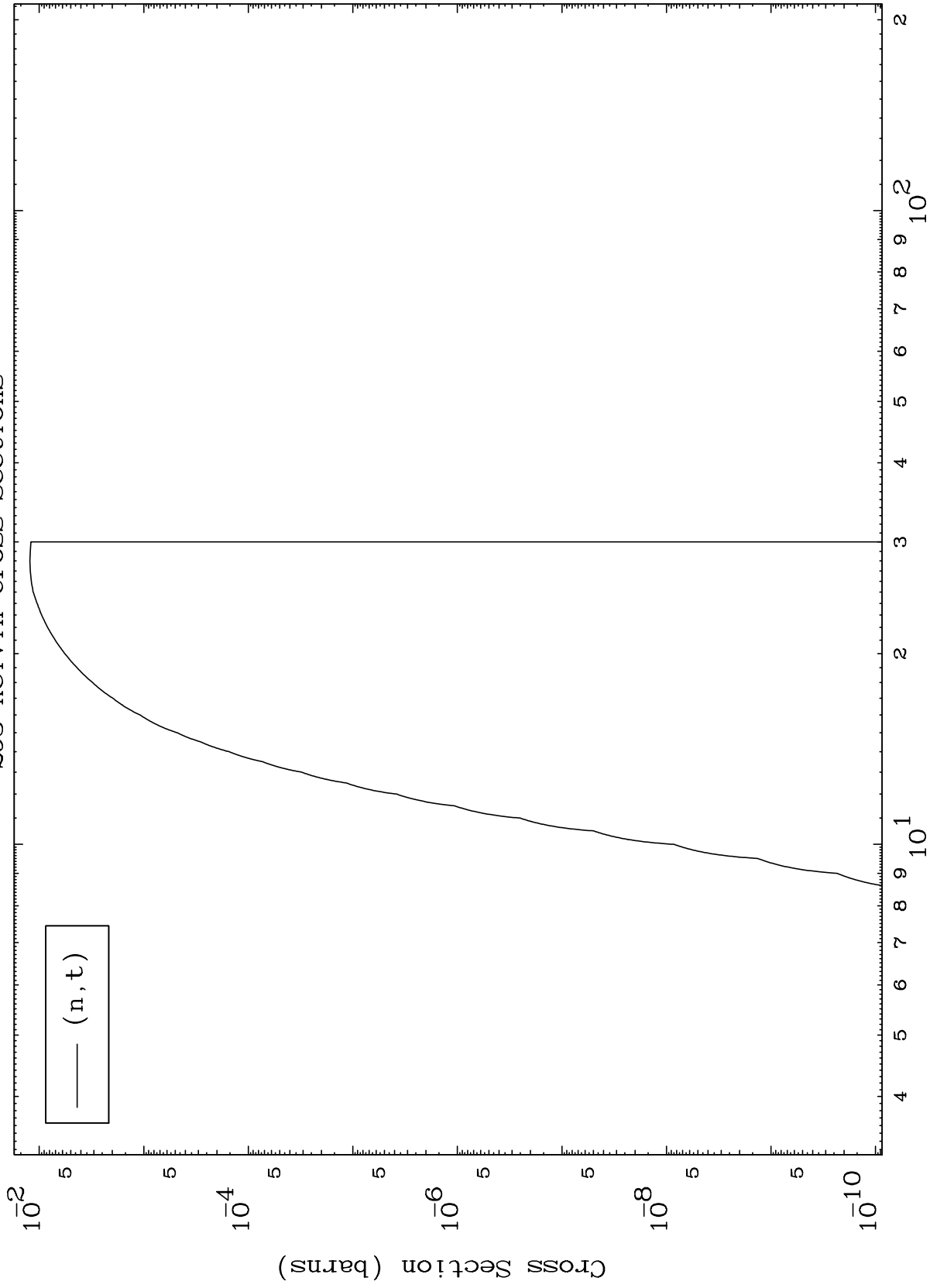
70-Yb-155



MAT 6986

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-155



12

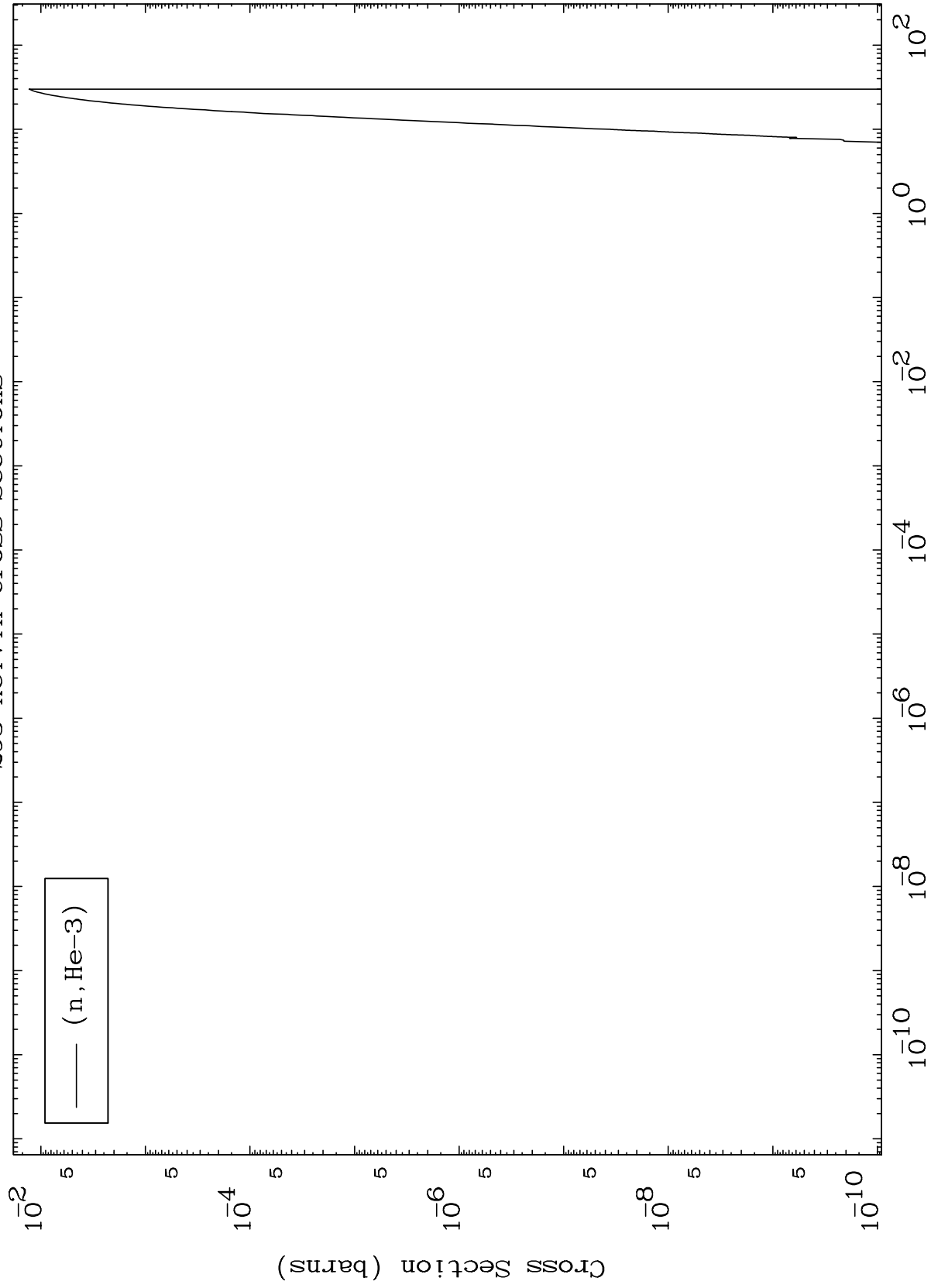
Incident Energy (MeV)

70-Yb-155

MAT 6986

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-155



13

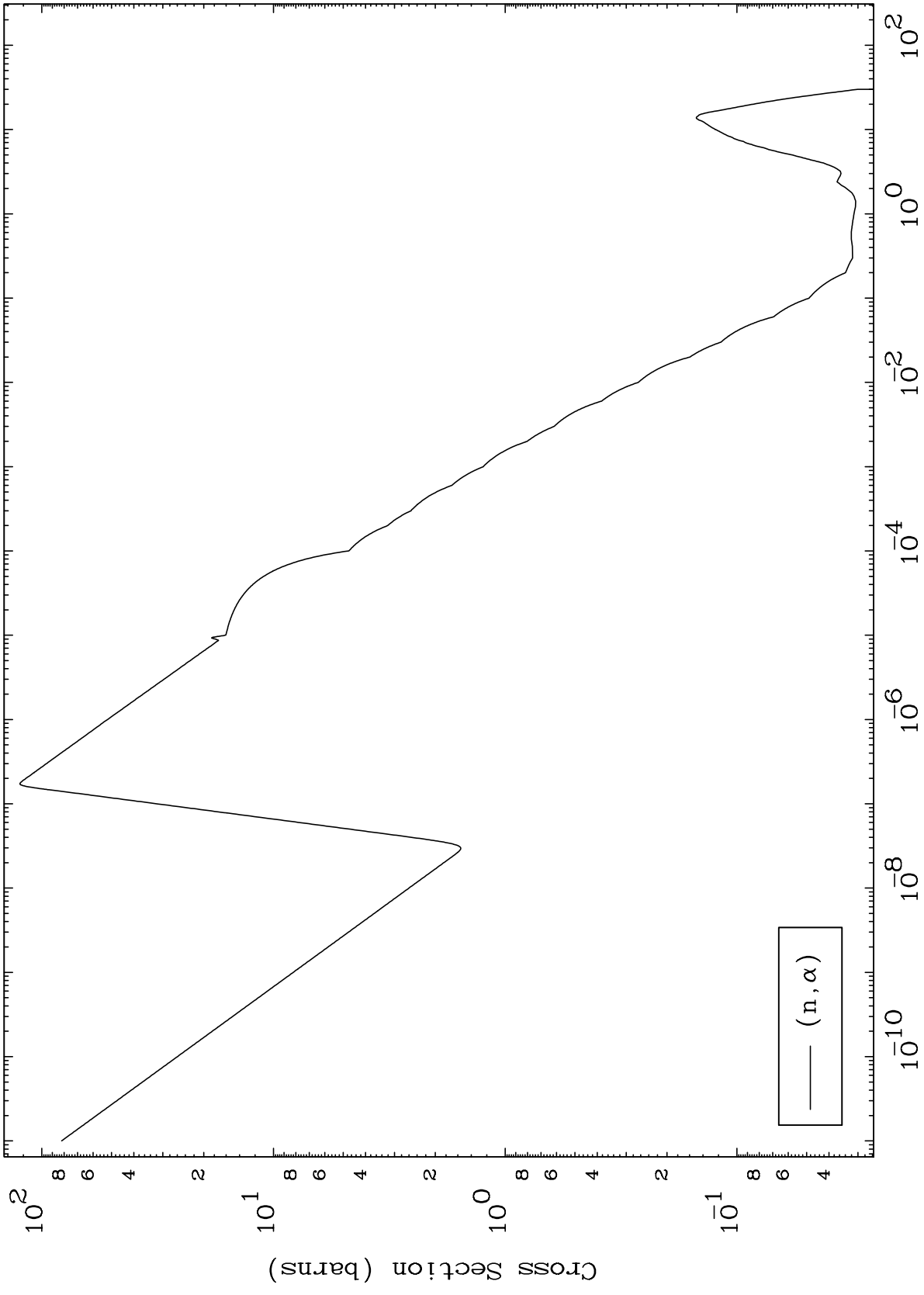
Incident Energy (MeV)

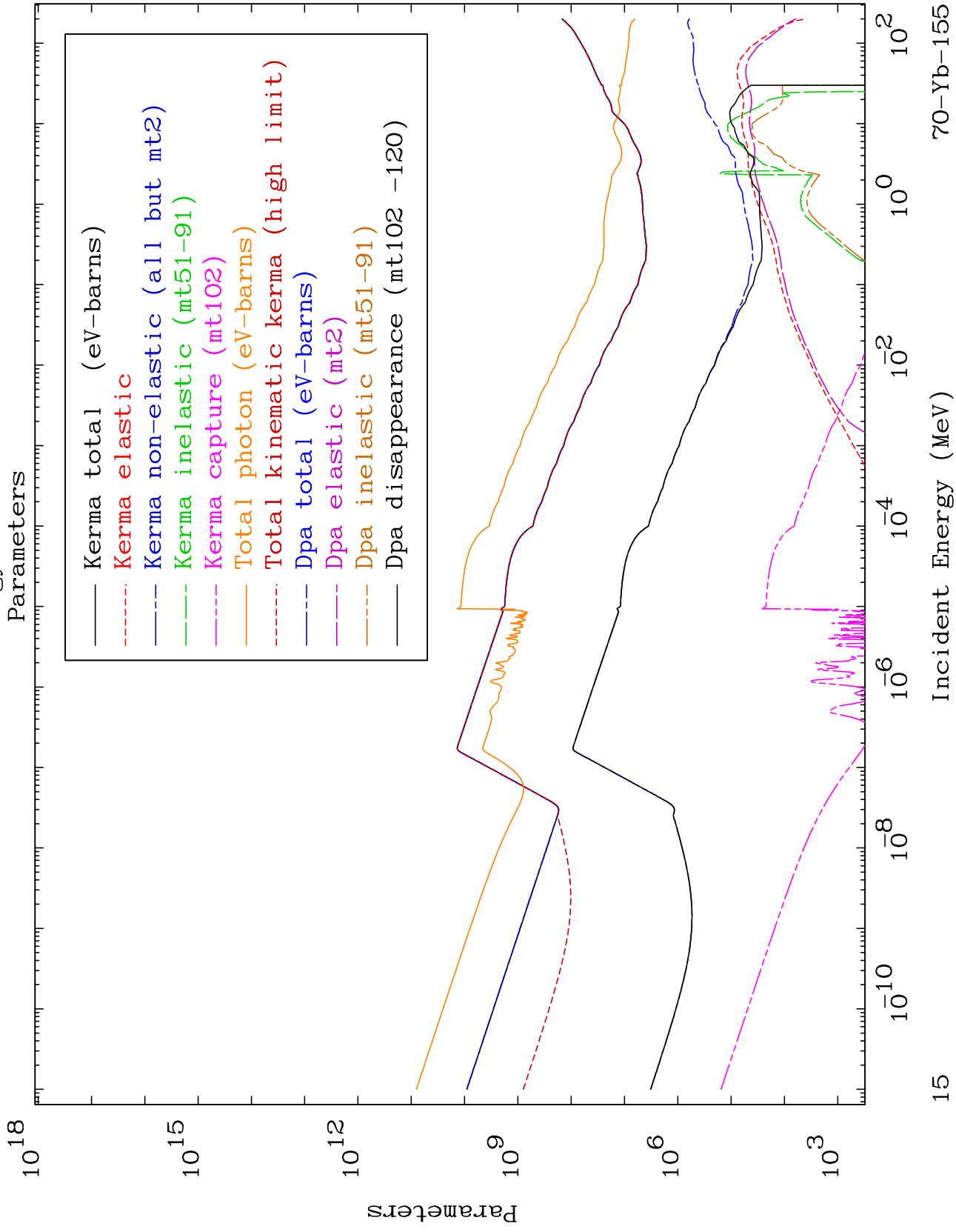
70-Yb-155

MAT 6986

(n,α) Levels
293 Kelvin Cross Sections

70-Yb-155

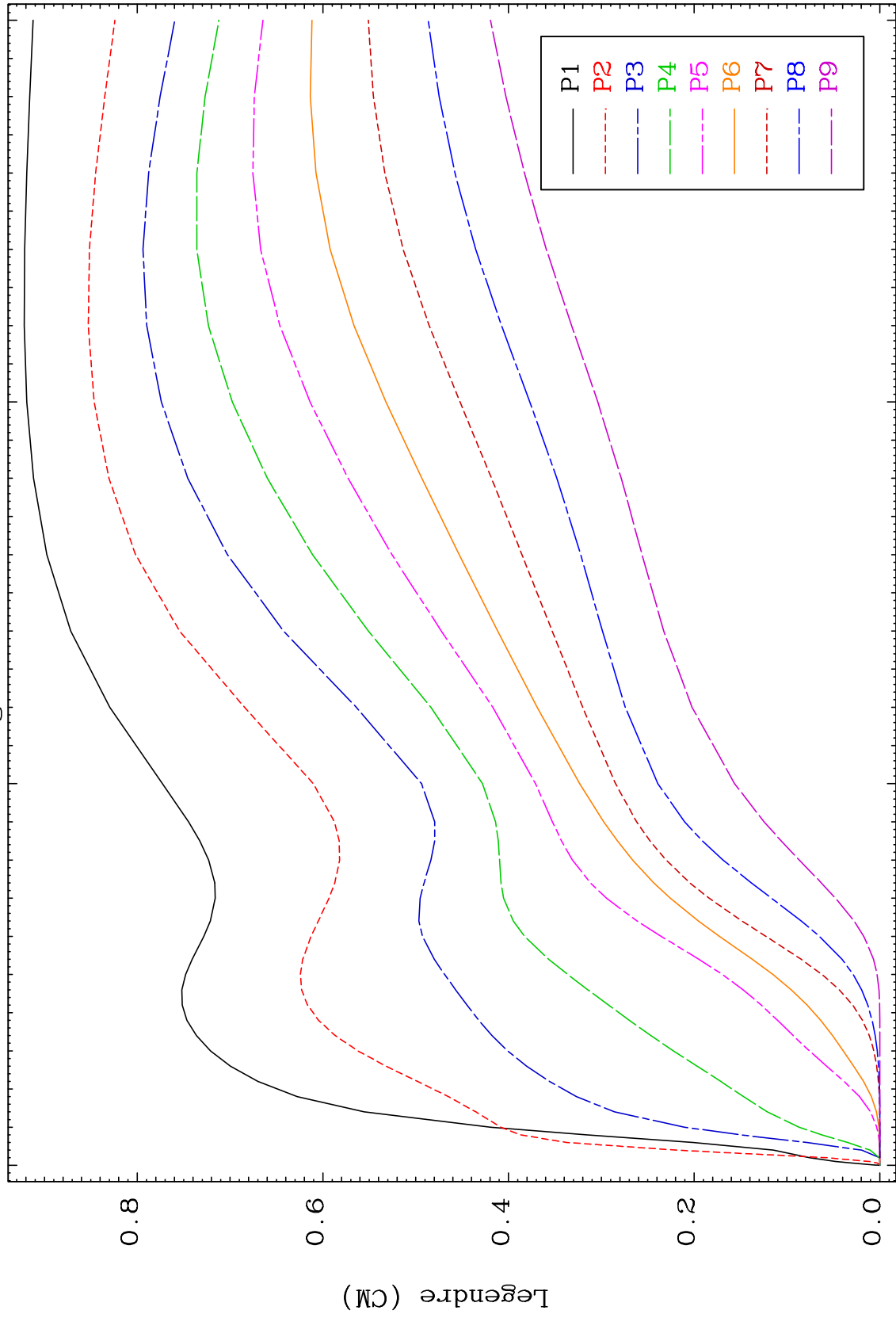




MAT 6986

Elastic Legendre Coefficients

70-Yb-155



16

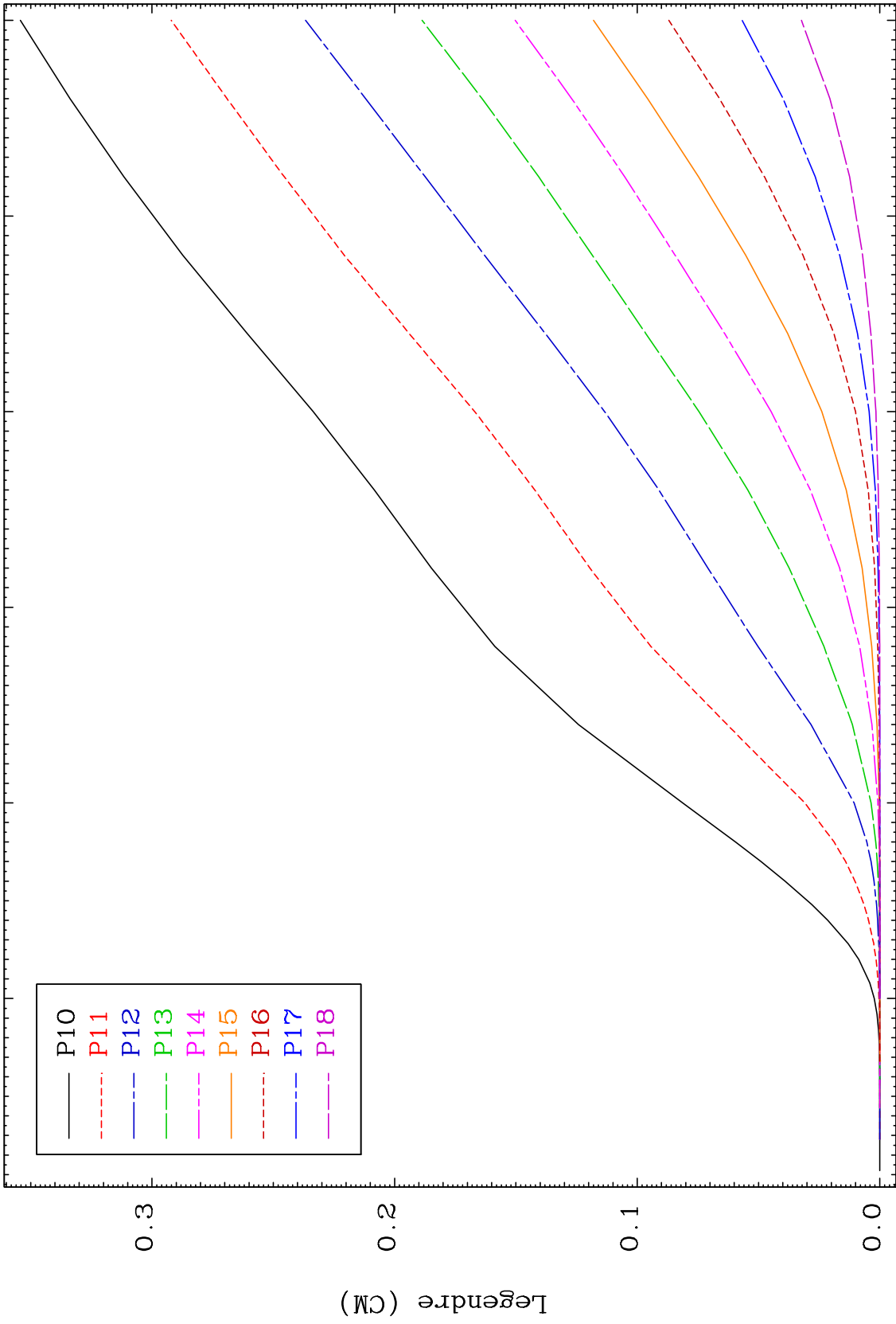
Incident Energy (MeV)

70-Yb-155

MAT 6986

Elastic Legendre Coefficients

70-Yb-155



17

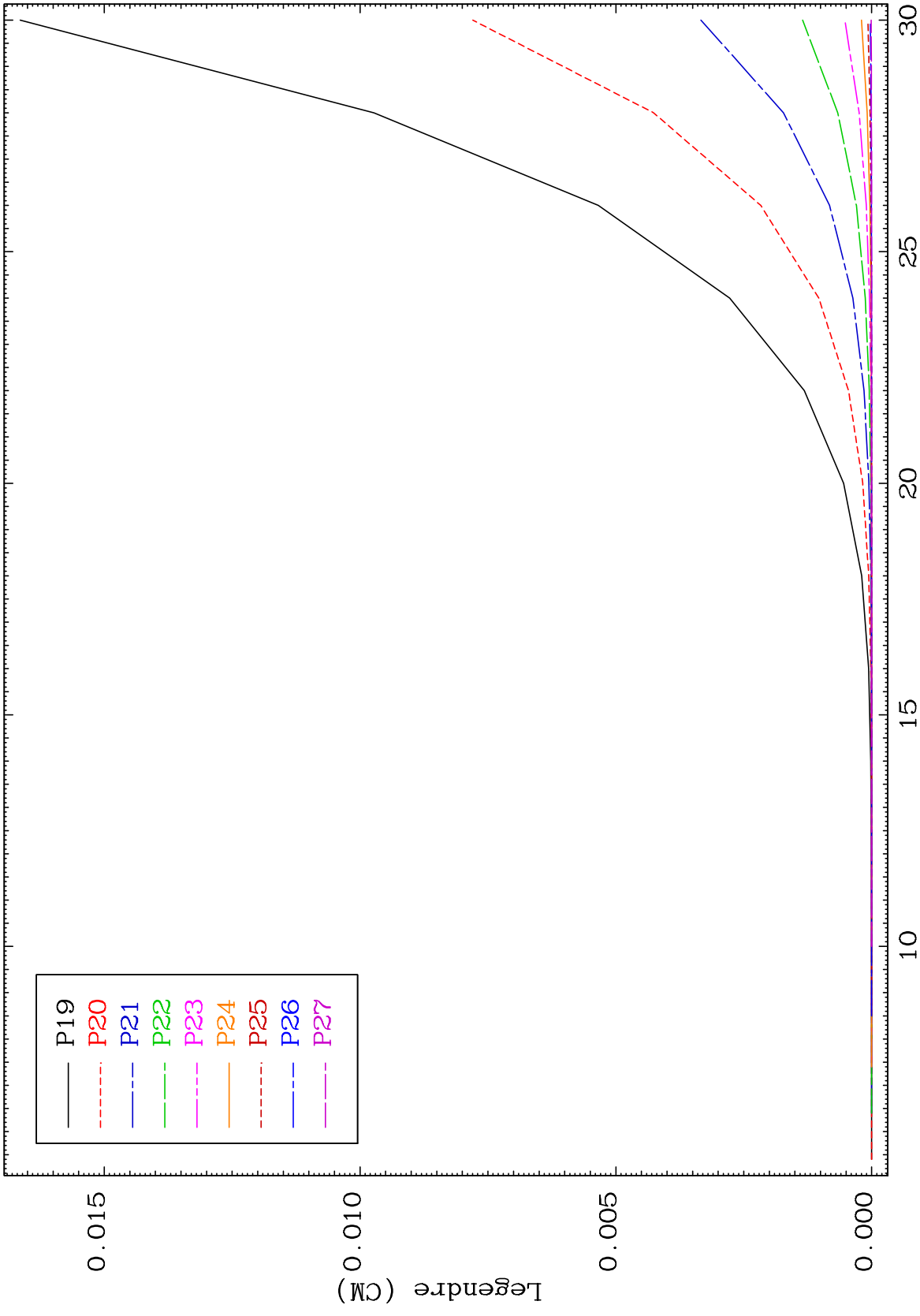
Incident Energy (MeV)

70-Yb-155

MAT 6986

Elastic Legendre Coefficients

70-Yb-155



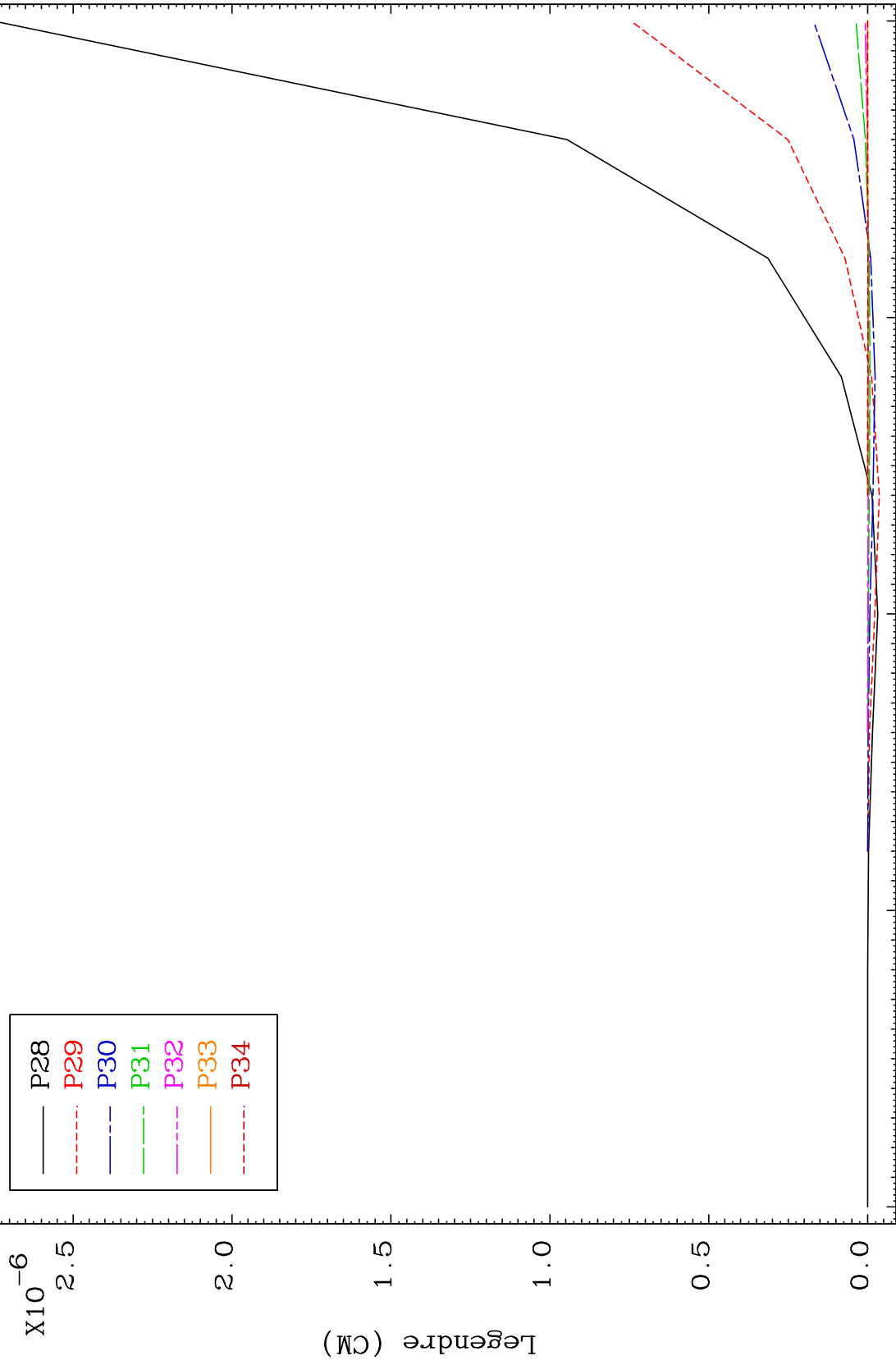
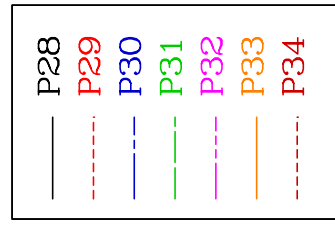
18

70-Yb-155

MAT 6986

Elastic Legendre Coefficients

70-Yb-155



19

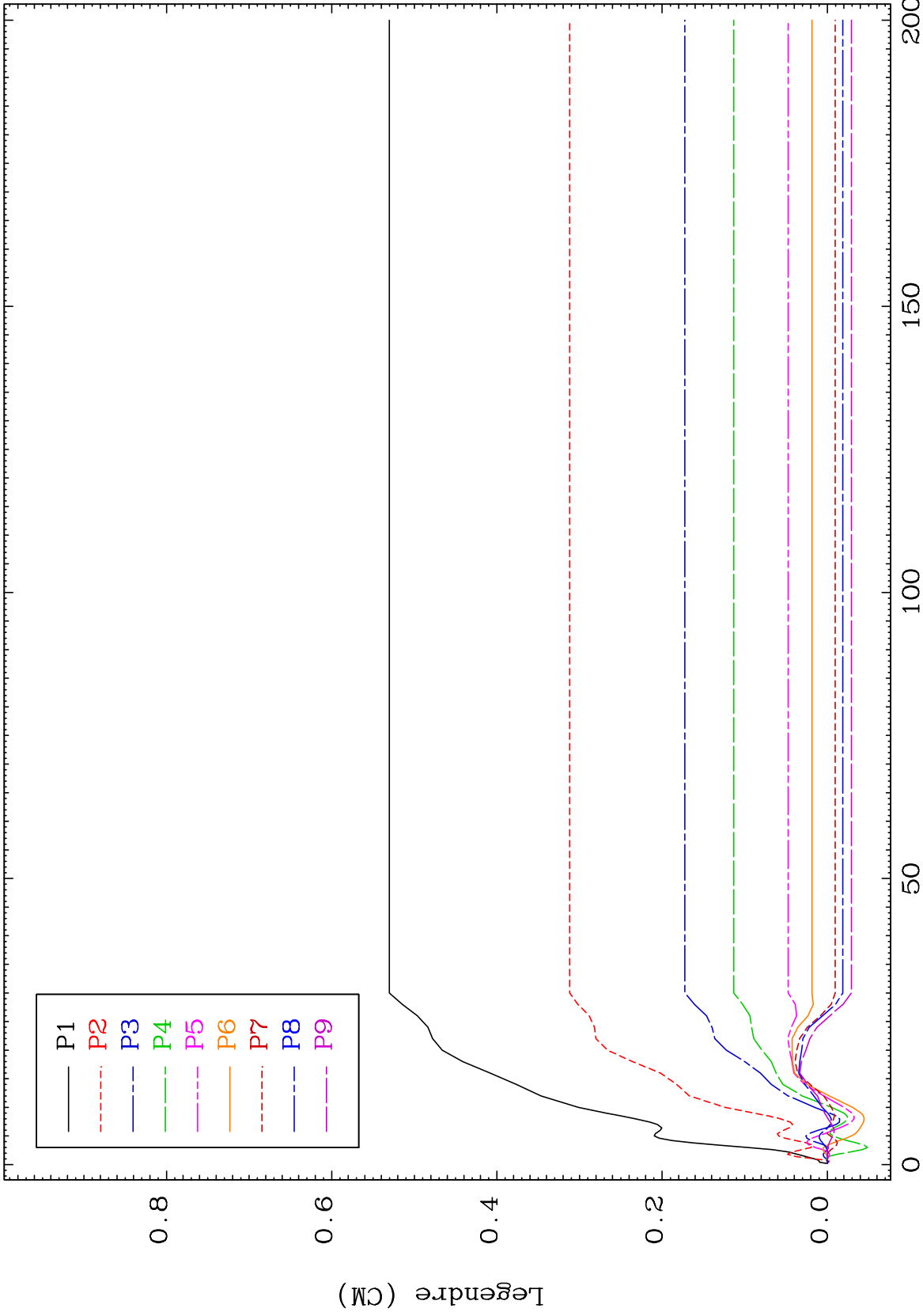
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



20

Incident Energy (MeV)

50

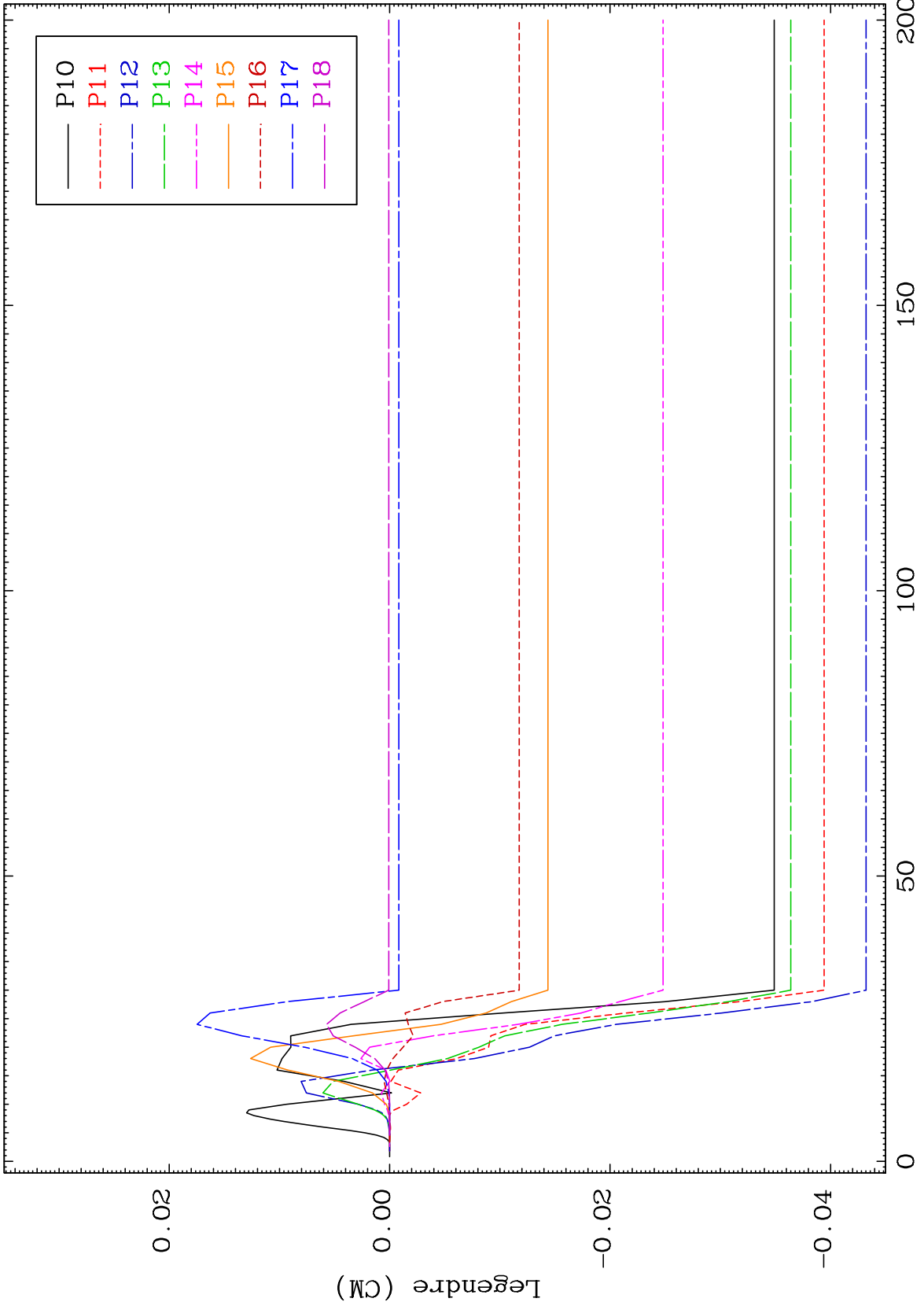
70-Yb-155

200

MAT 6986

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

70-Yb-155



21

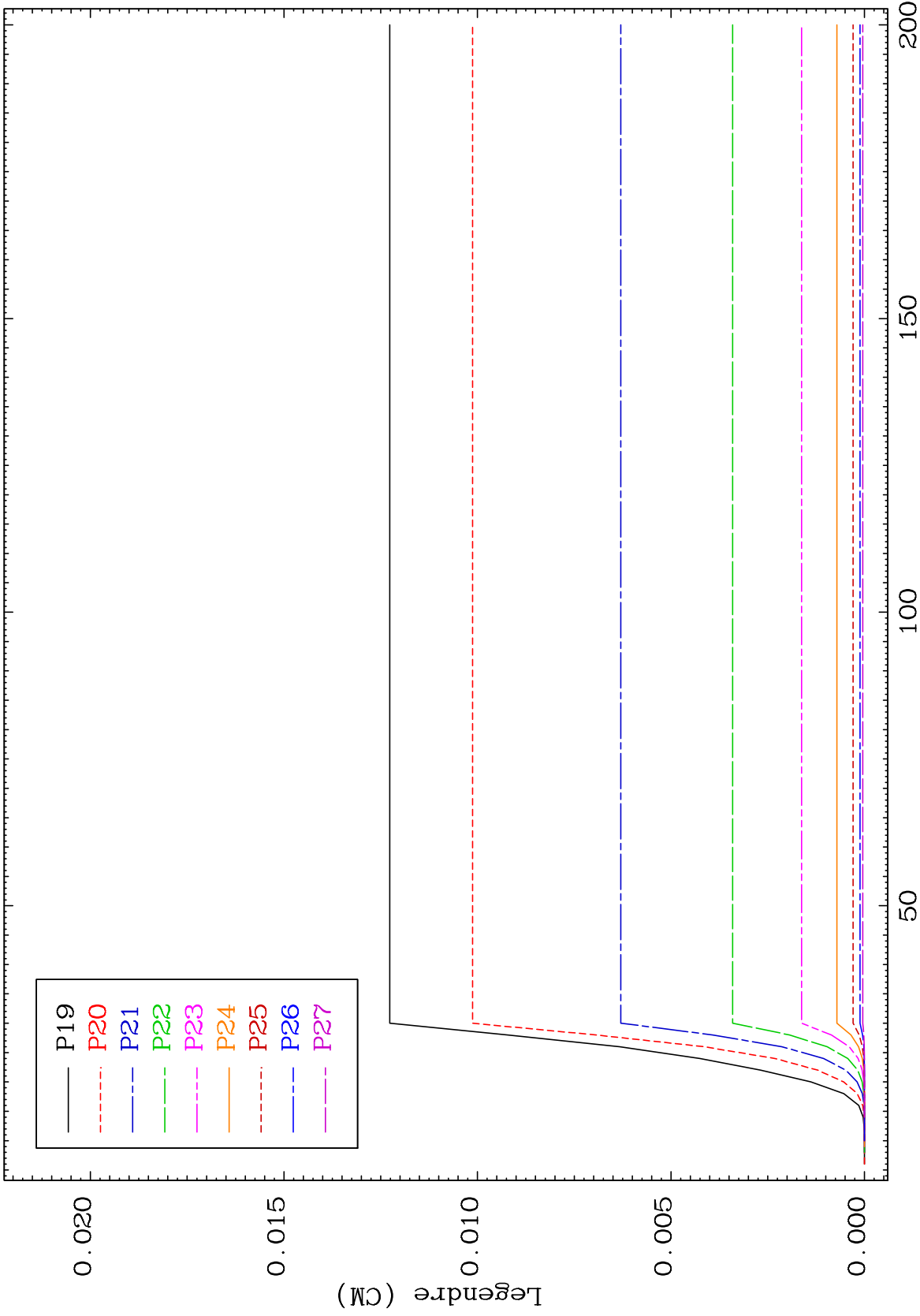
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



22

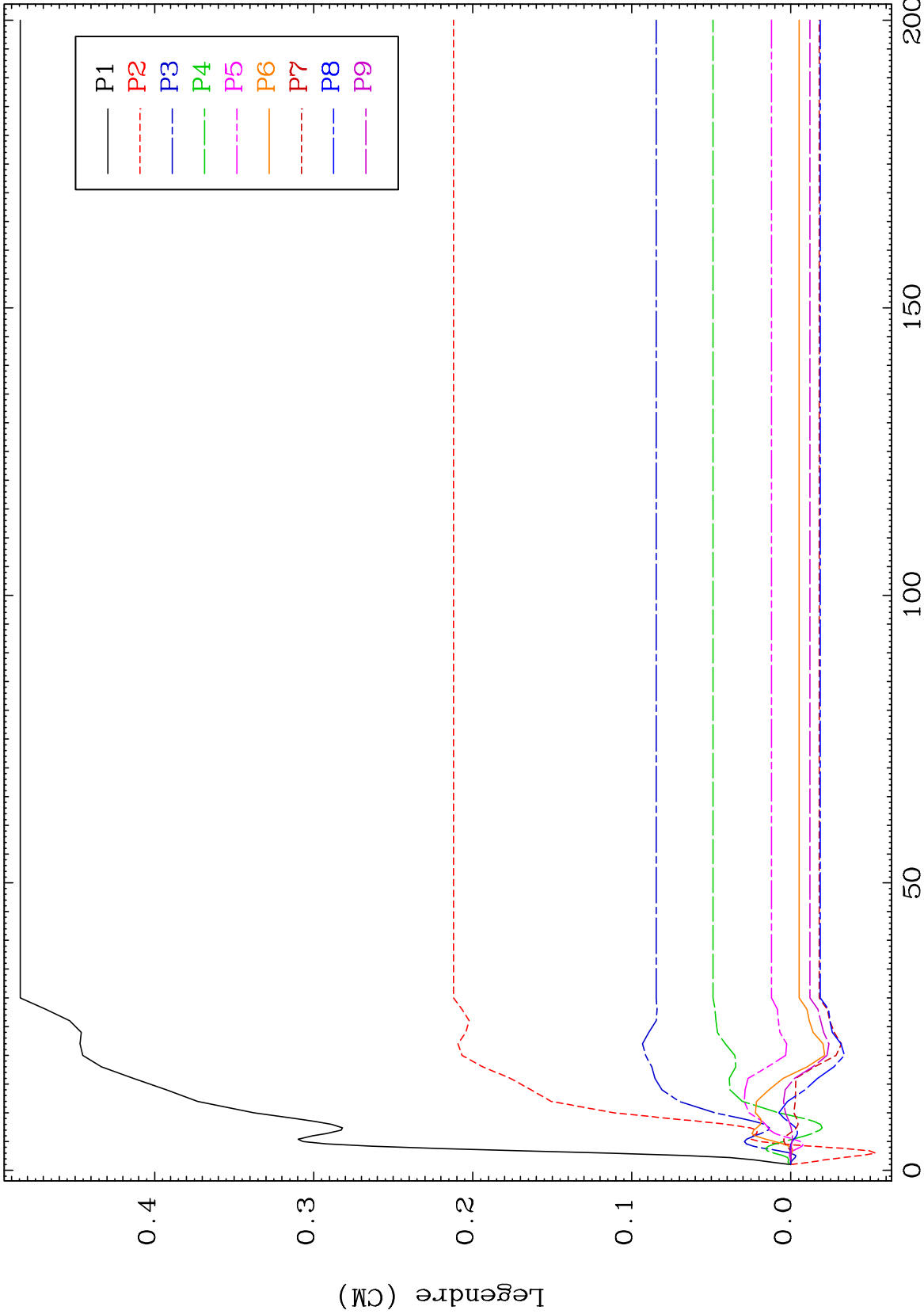
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



24

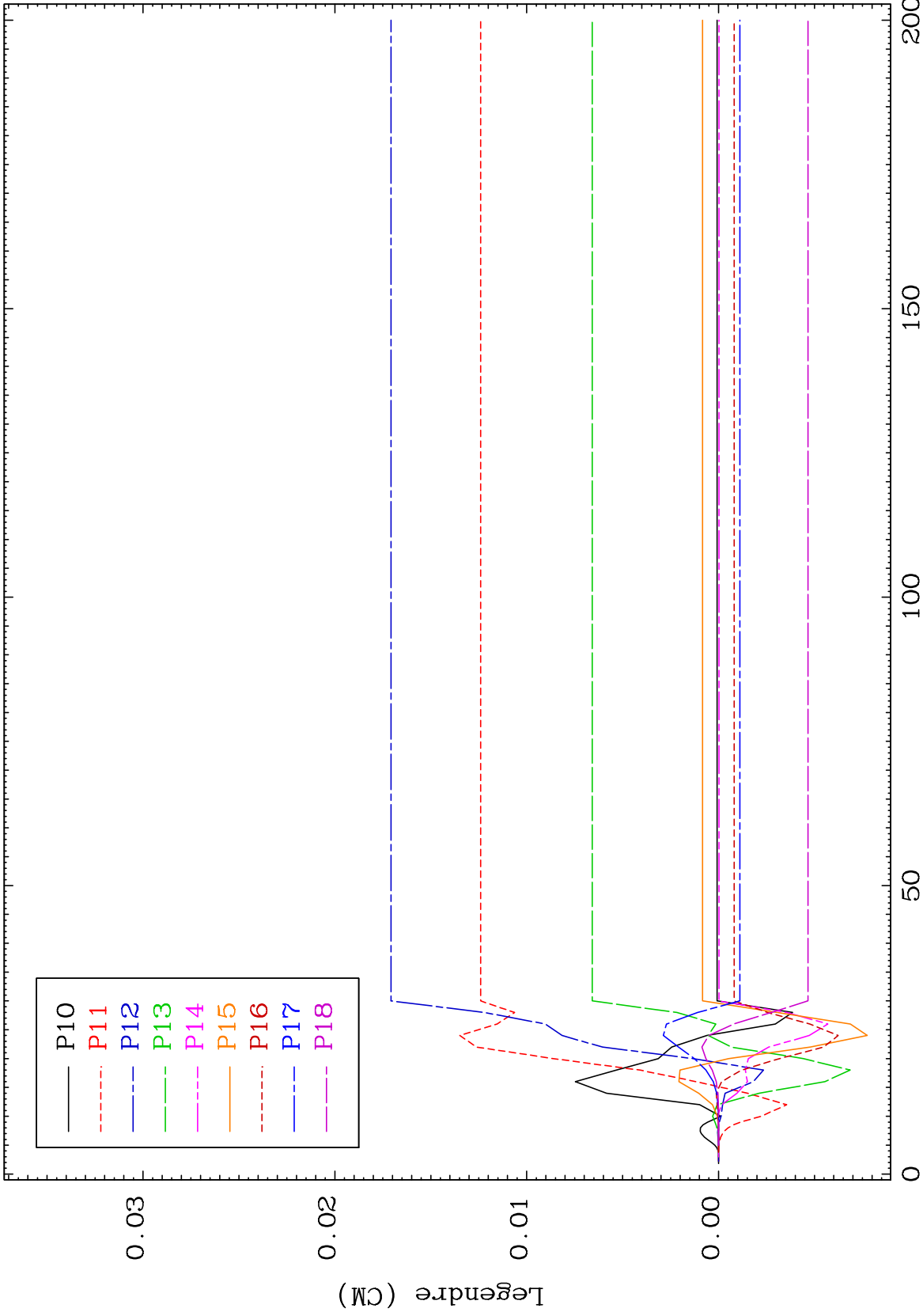
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



25

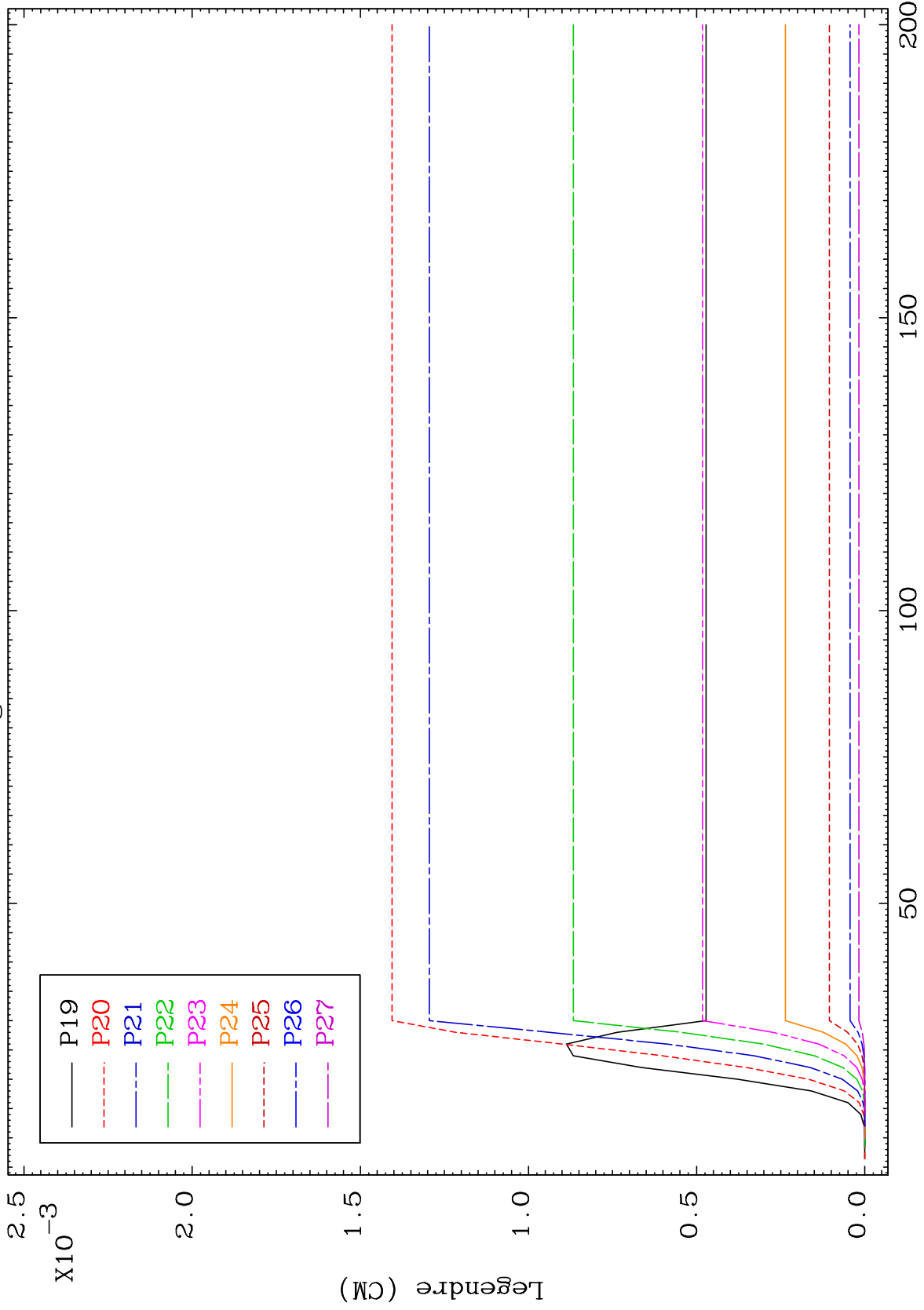
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



26

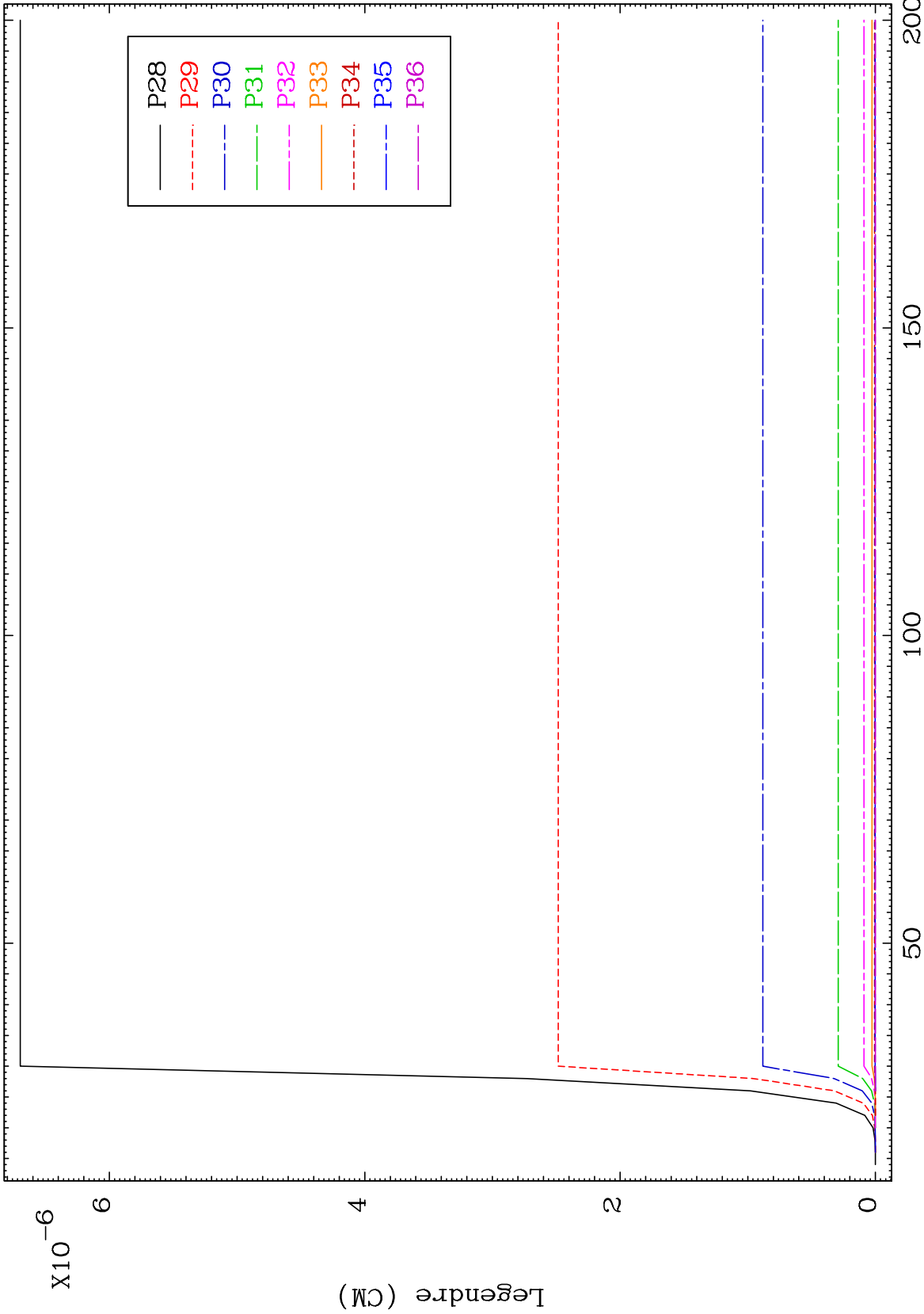
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



27

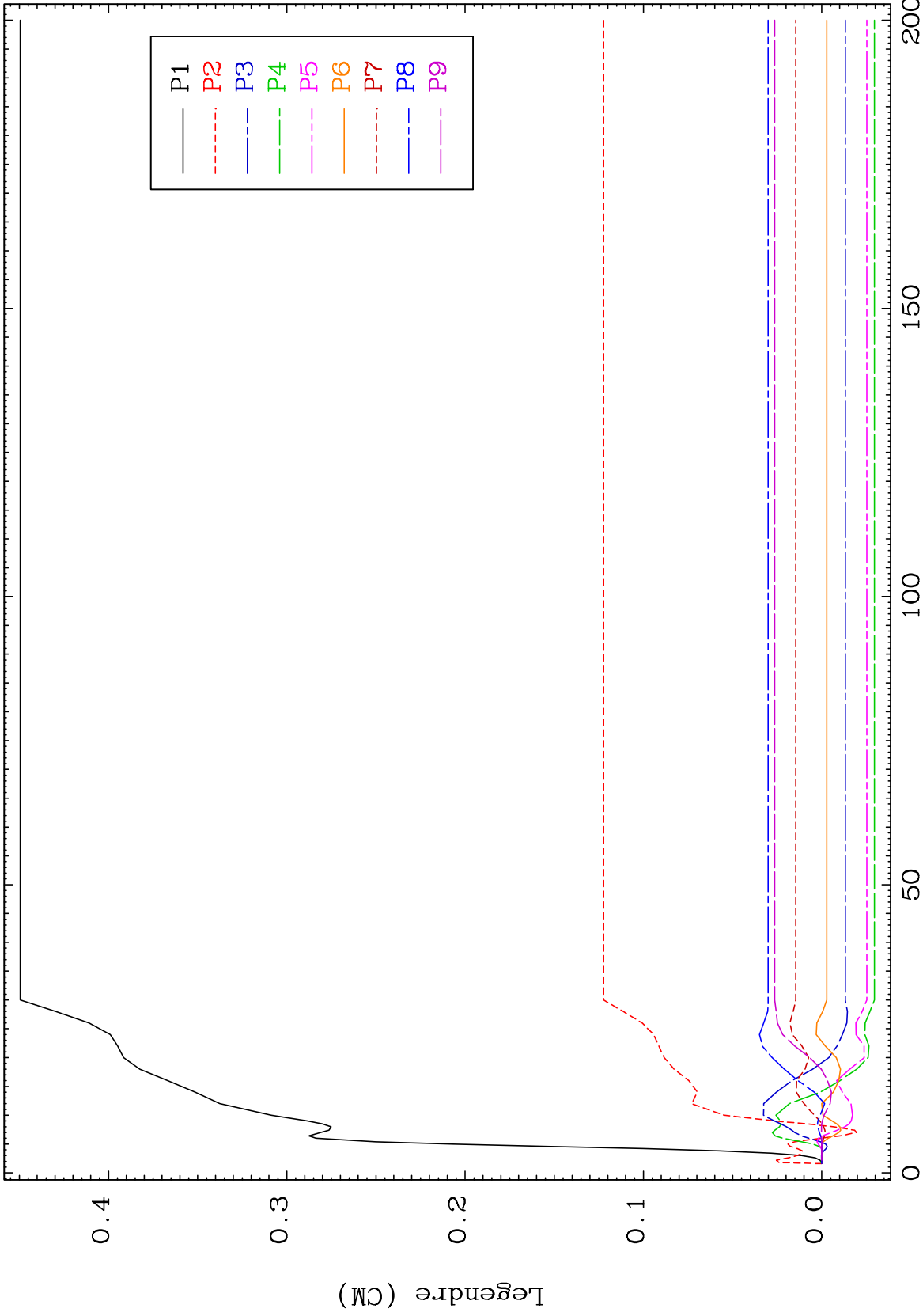
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



28

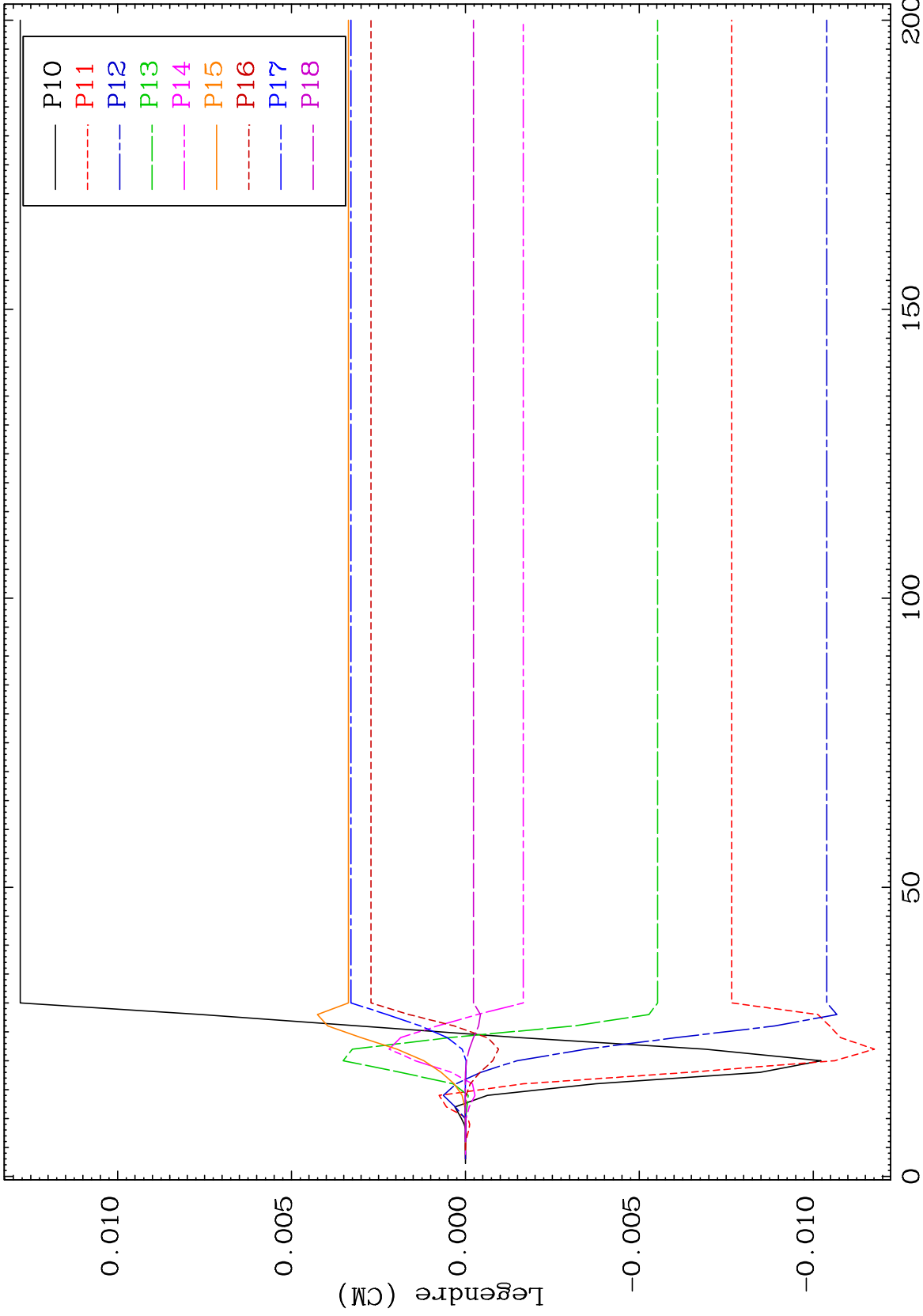
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155

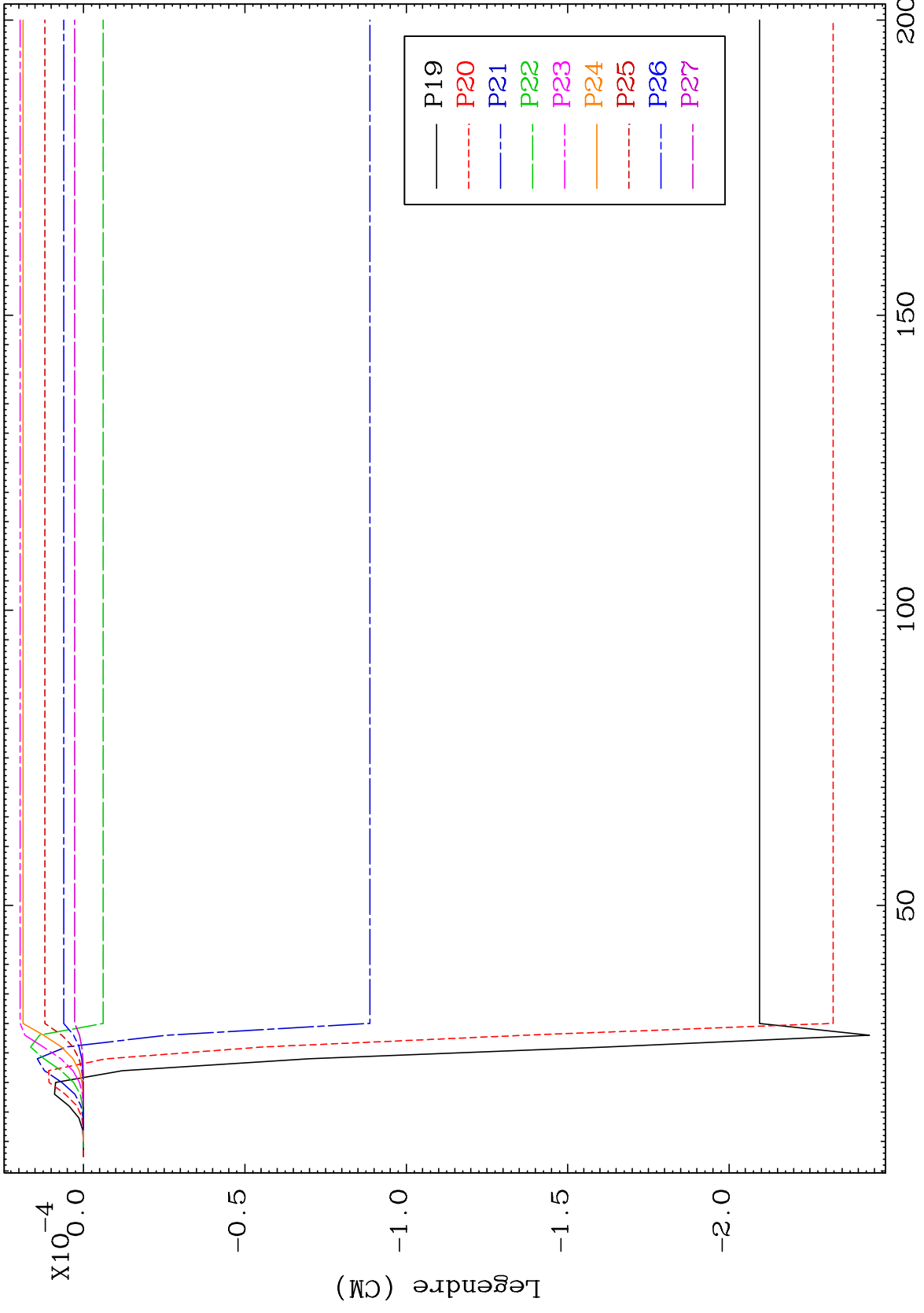


29

Incident Energy (MeV)

70-Yb-155

MAT 6986 MT= 53 (n,n') Level Legendre Coefficients 70-Yb-155

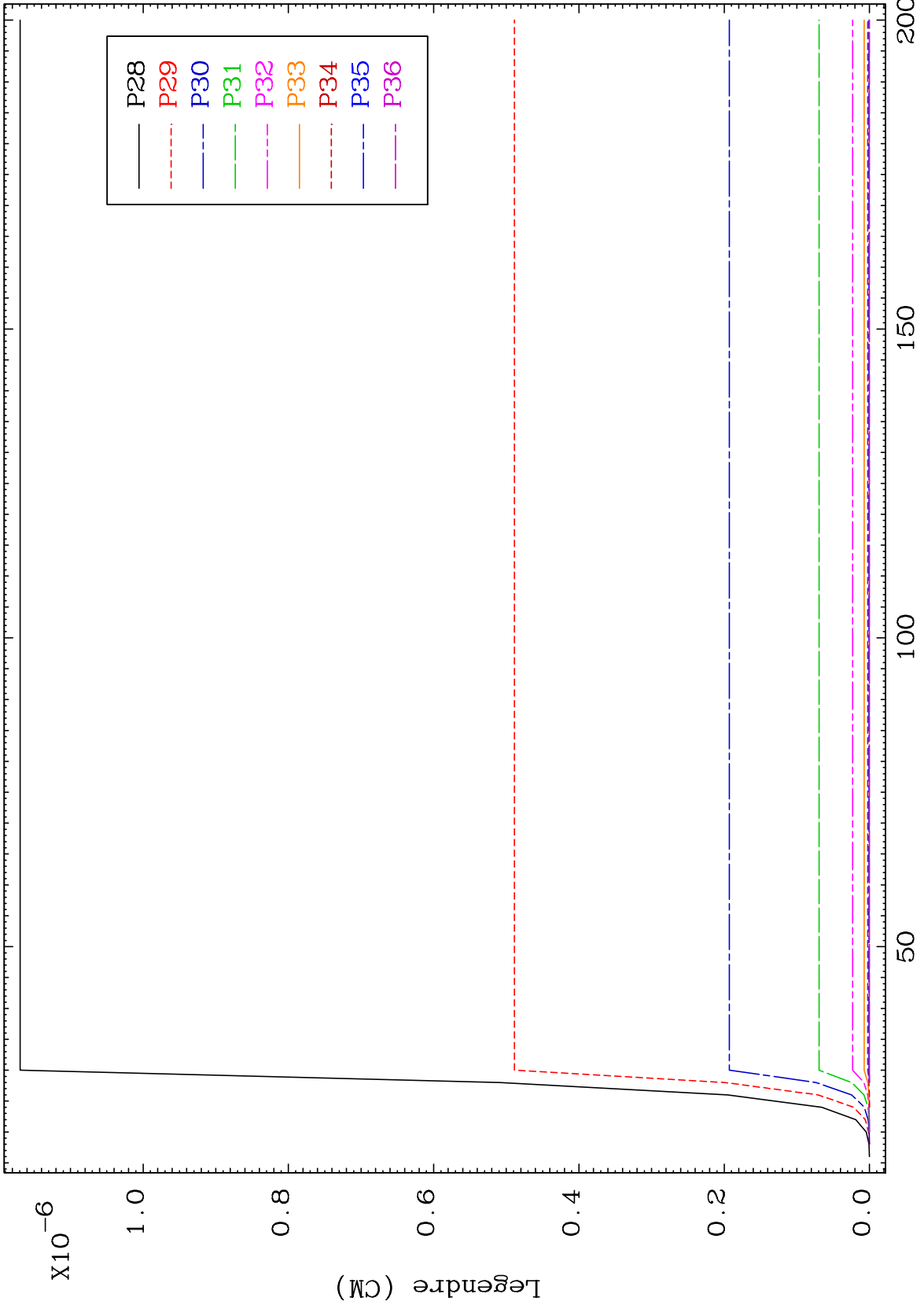


30 Incident Energy (MeV) 70-Yb-155

MAT 6986

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

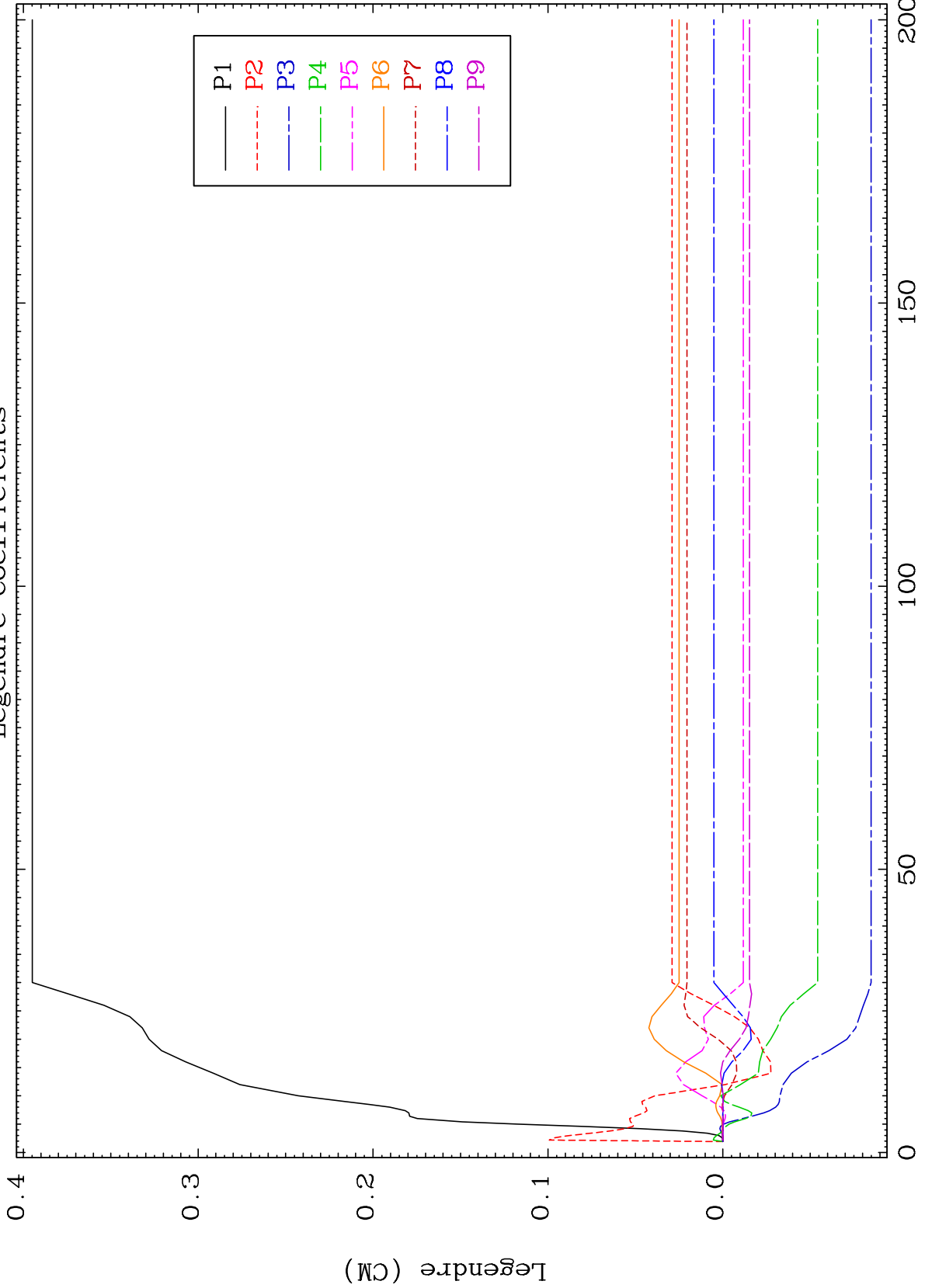
70-Yb-155



MAT 6986 MT= 54 (n,n') Level Legendre Coefficients

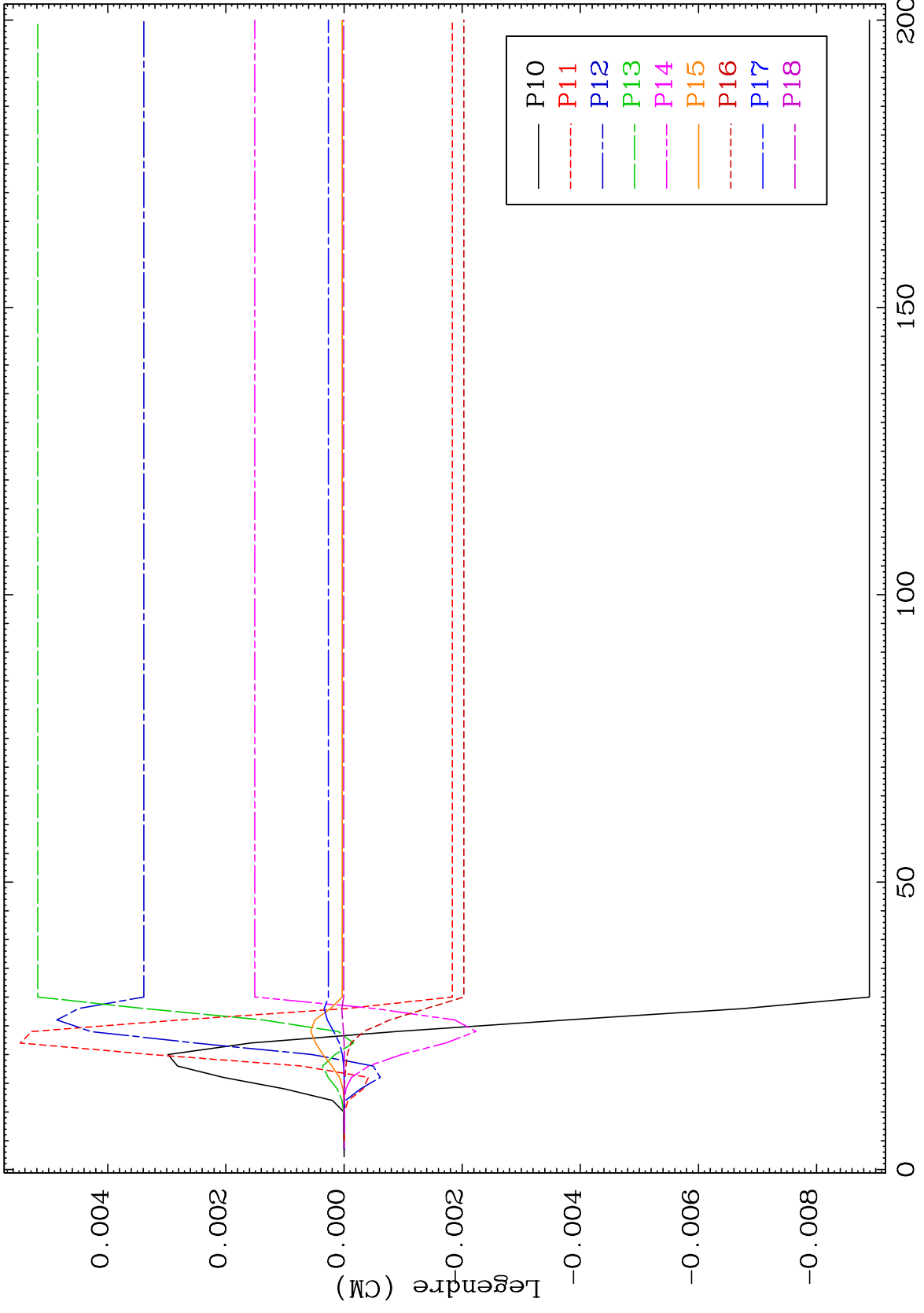
70-Yb-155

70-Yb-155



32

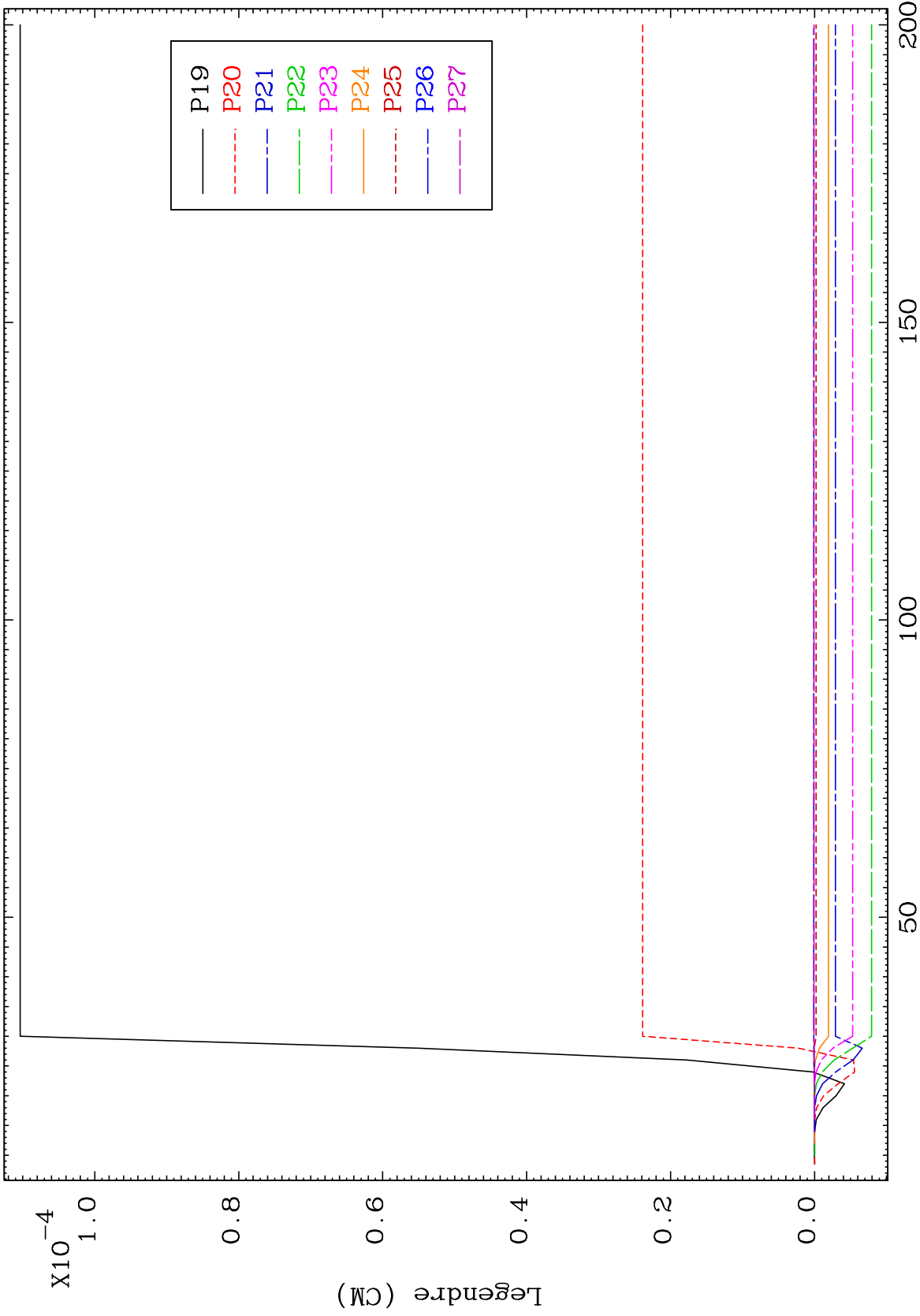
MAT 6986 MT= 54 (n,n') Level Legendre Coefficients 70-Yb-155



MAT 6986

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

70-Yb-155



34

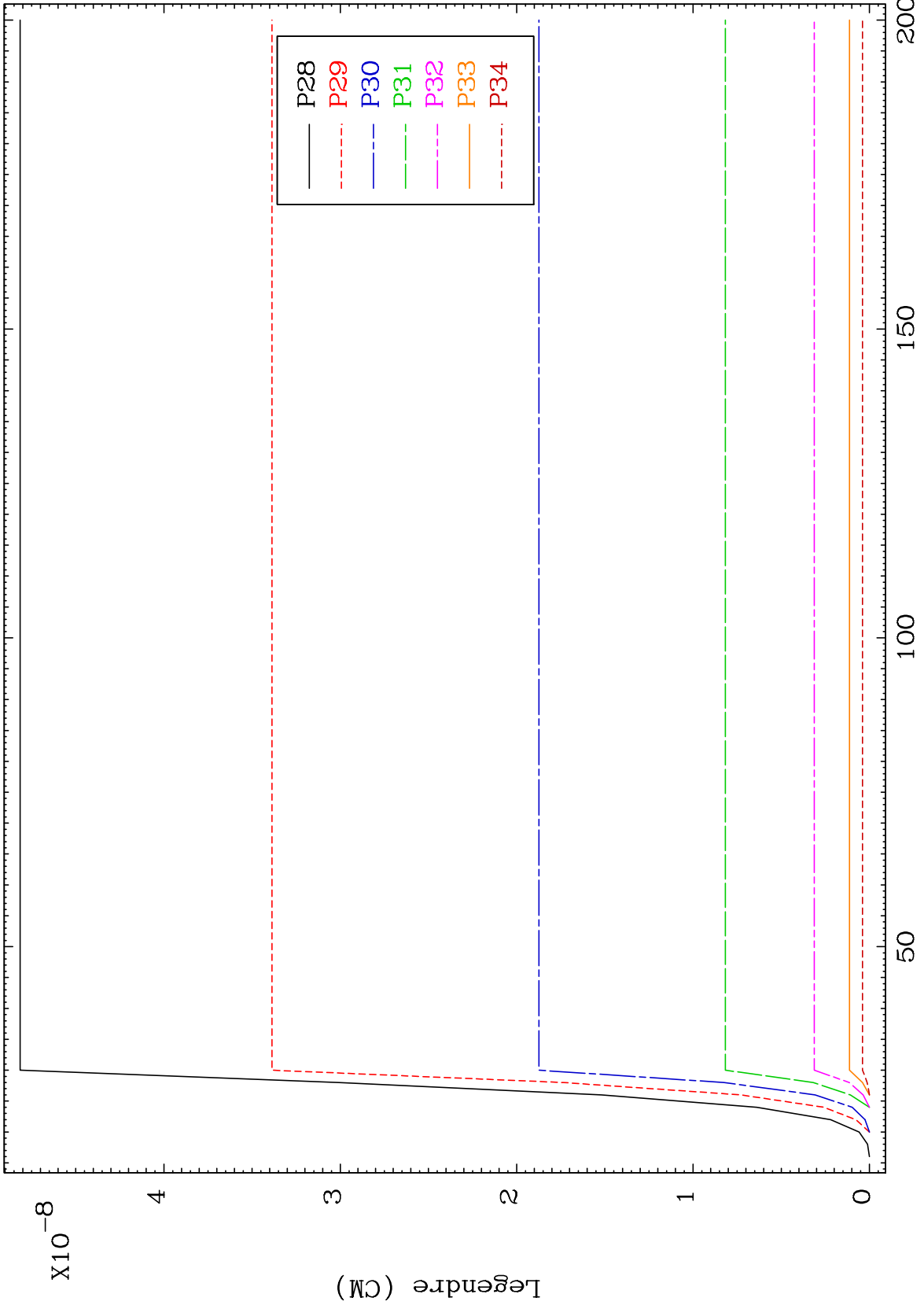
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



35

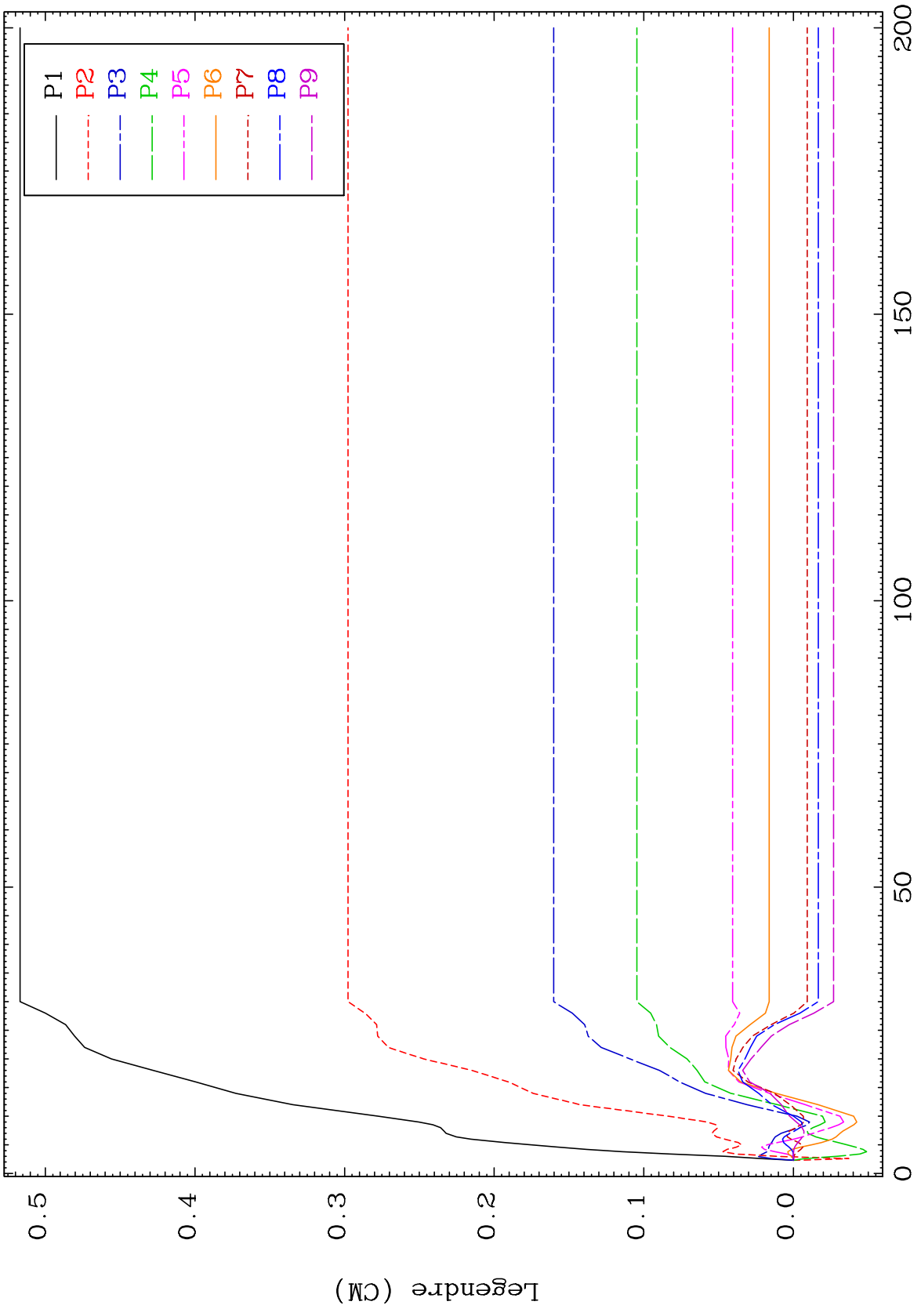
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



36

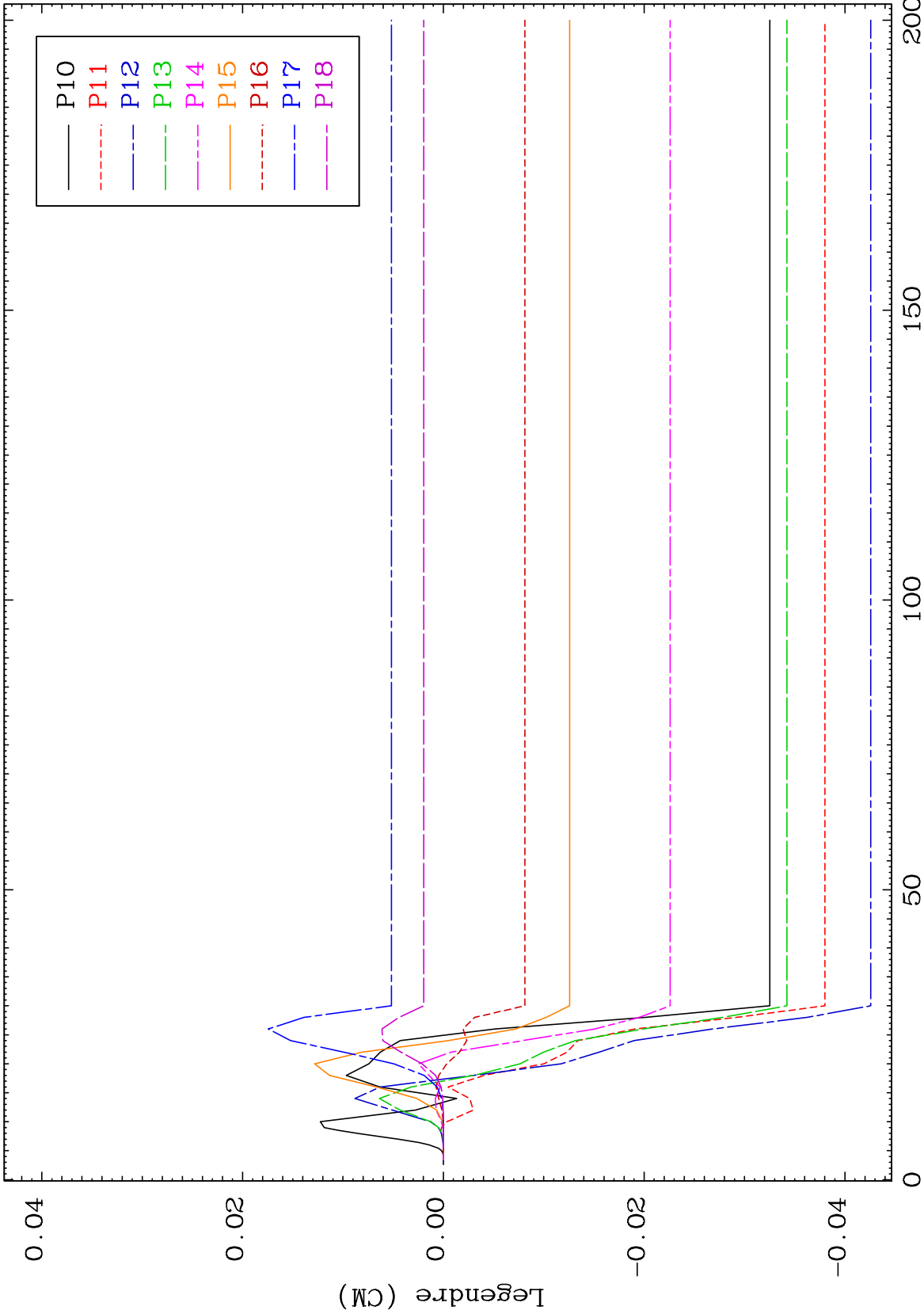
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



37

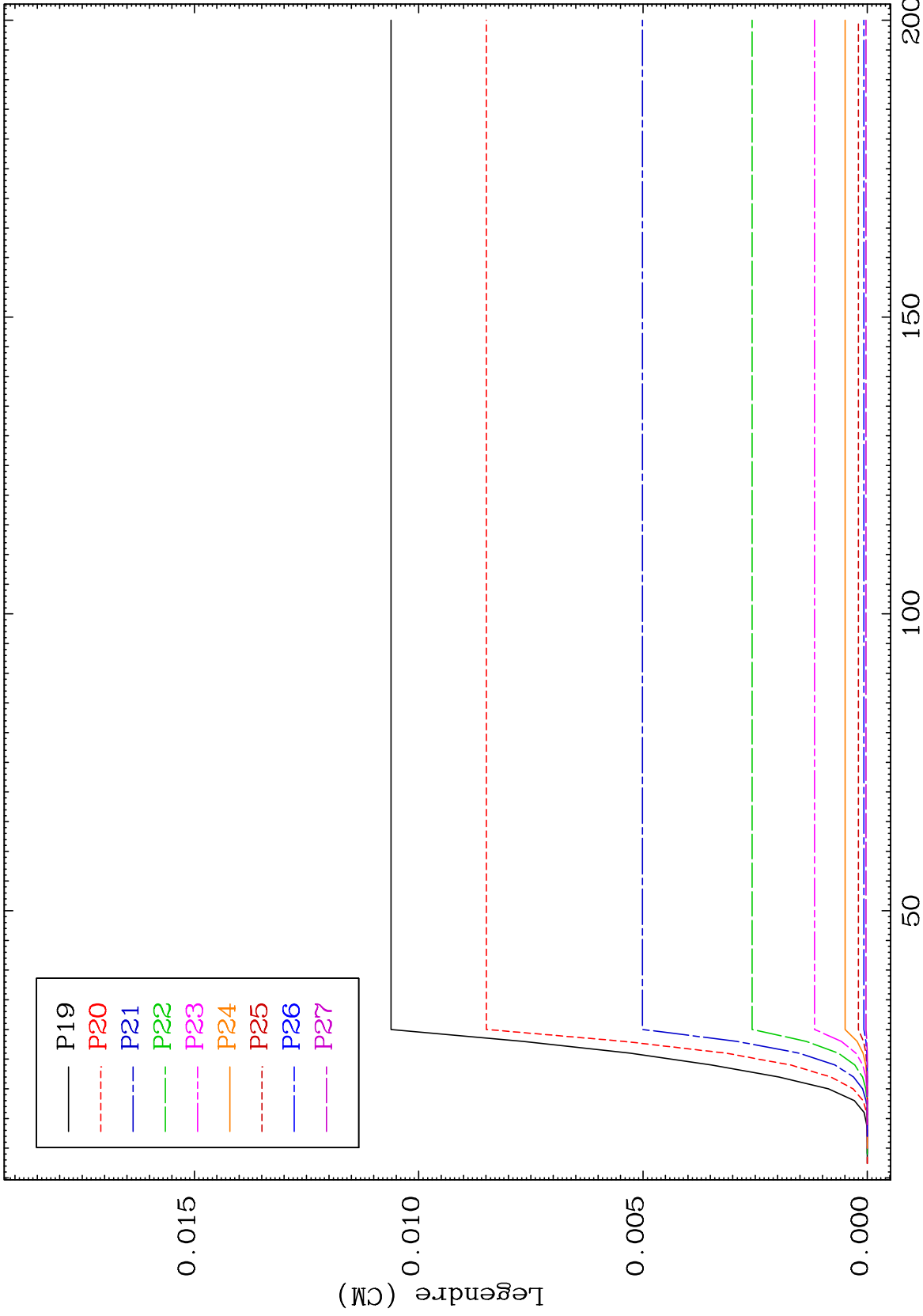
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



38

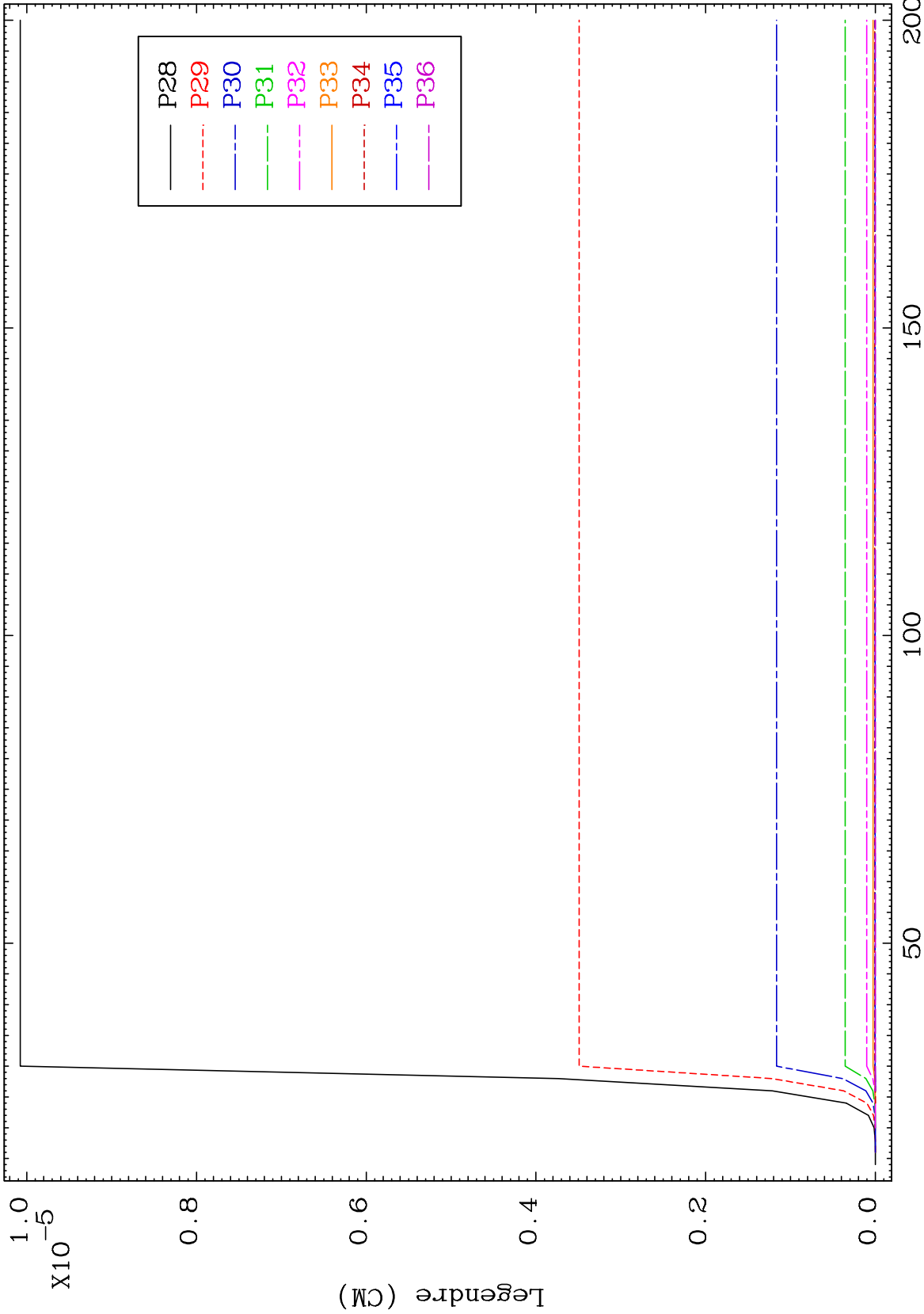
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



39

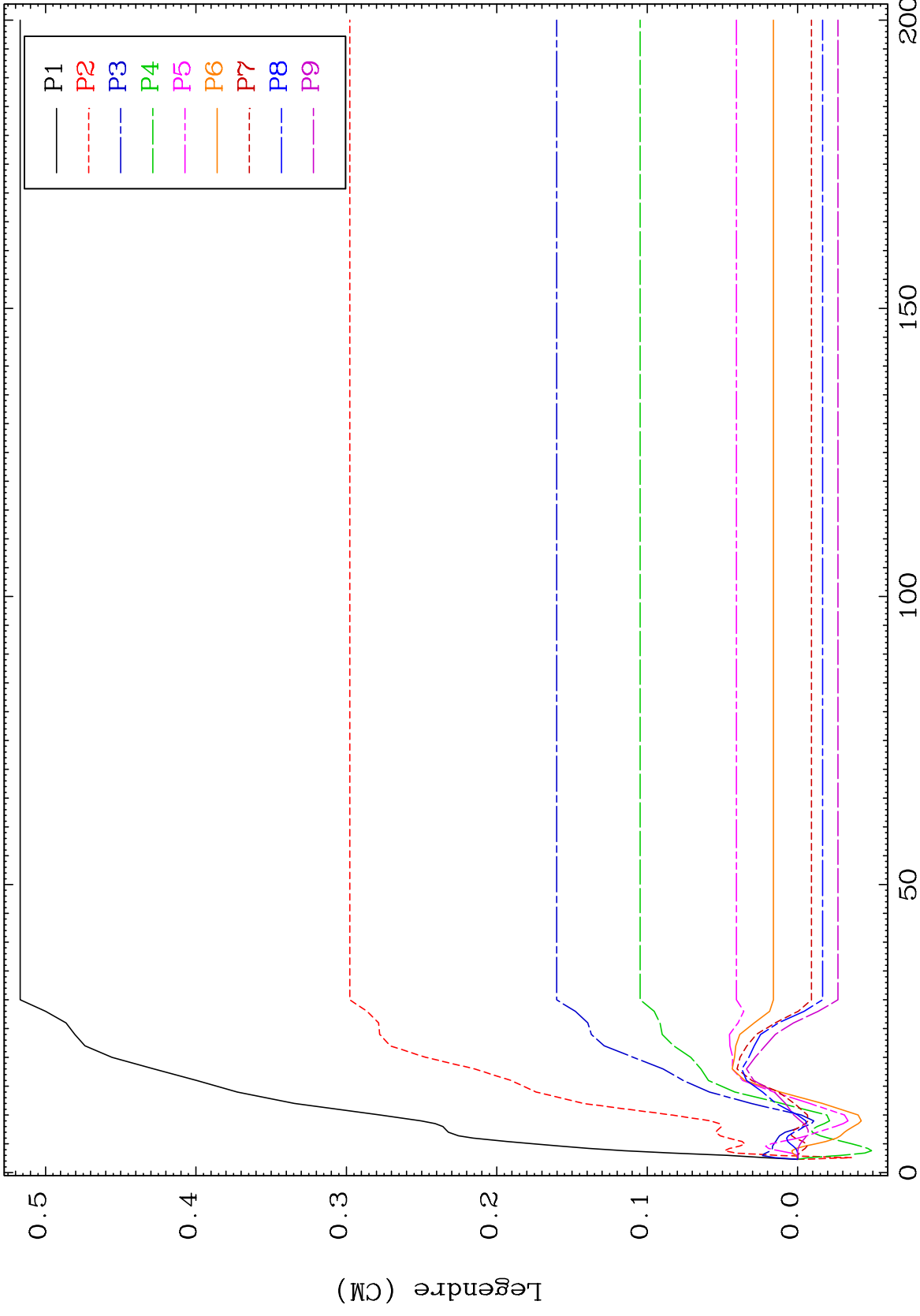
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



40

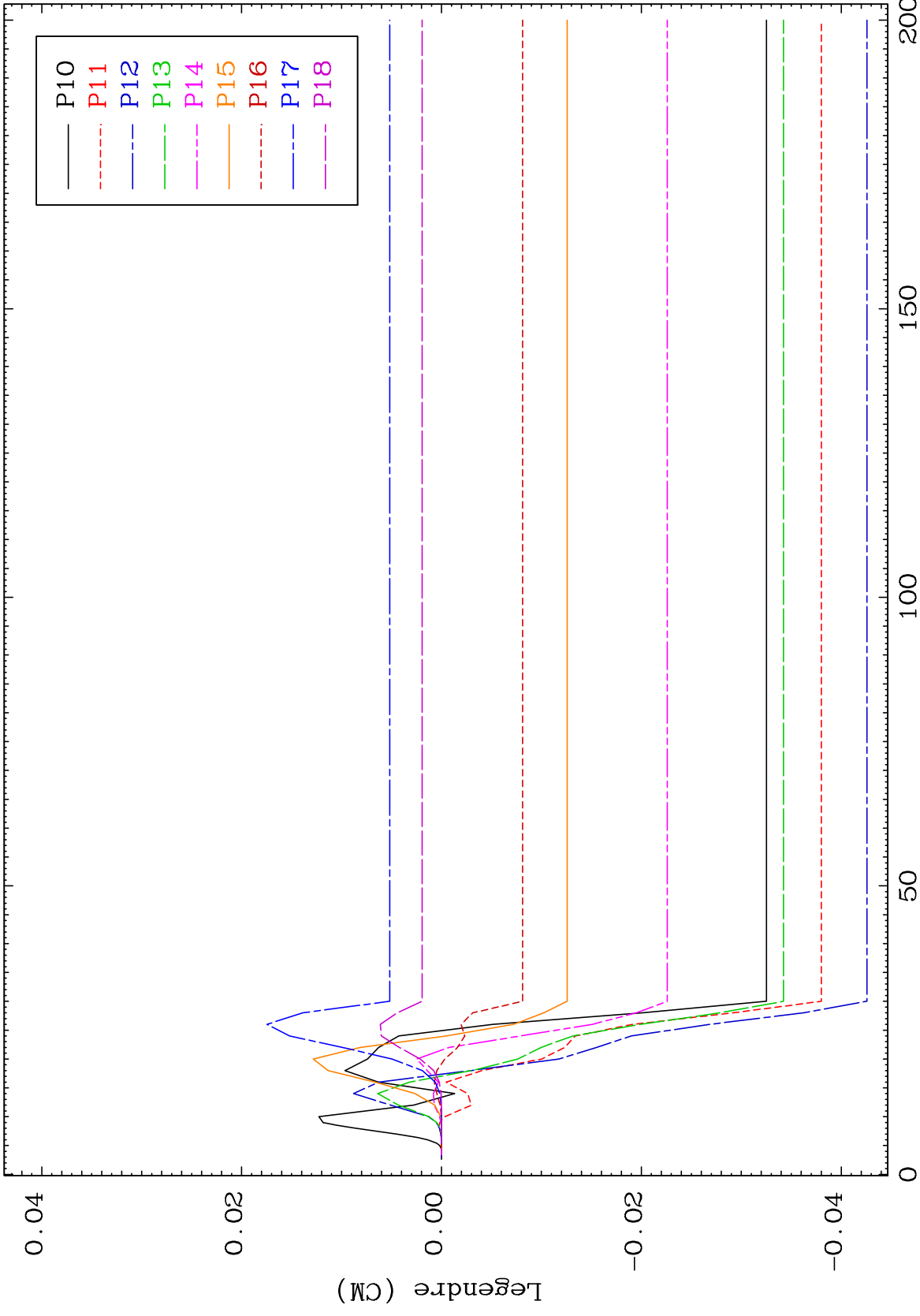
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



41

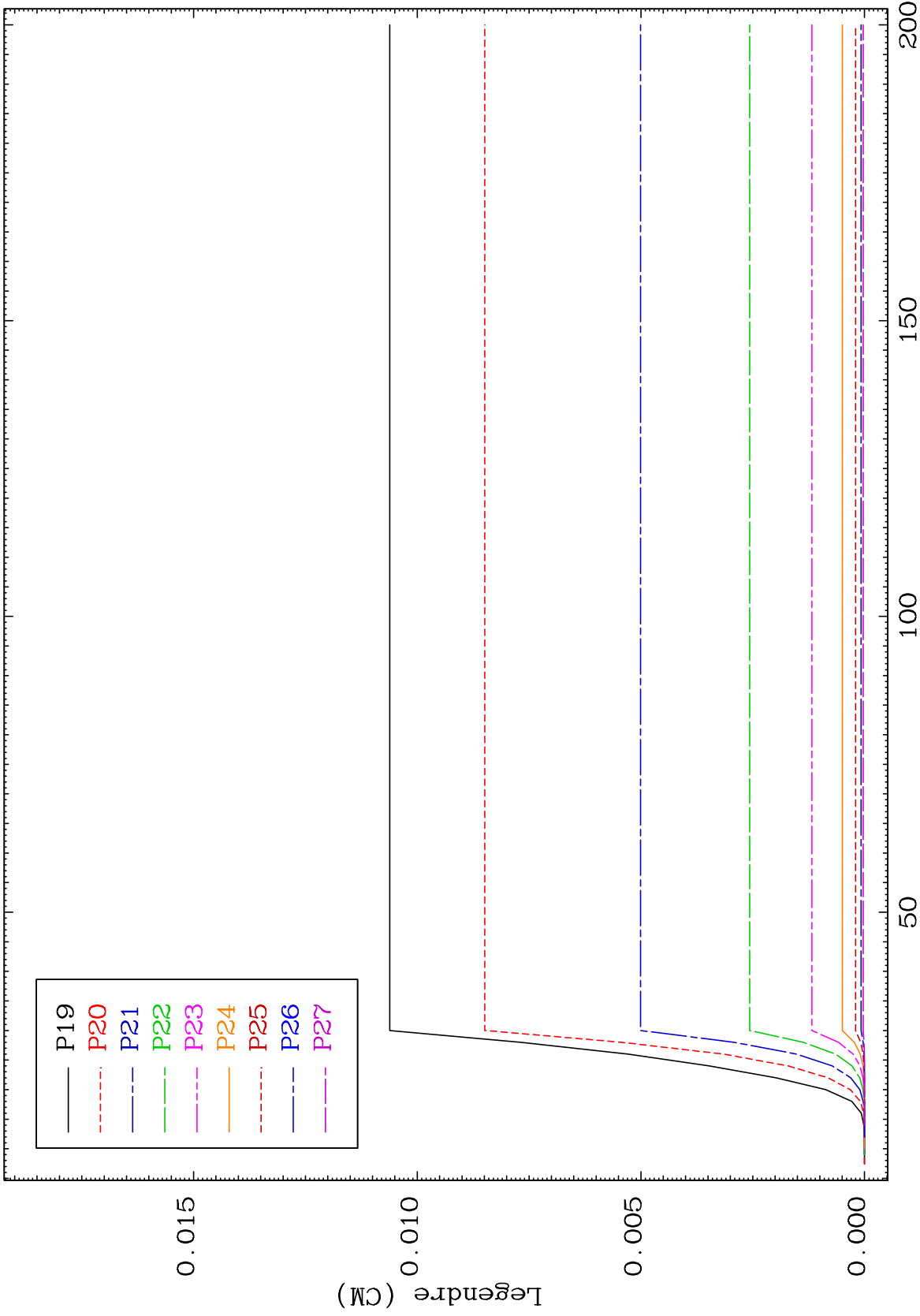
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



42

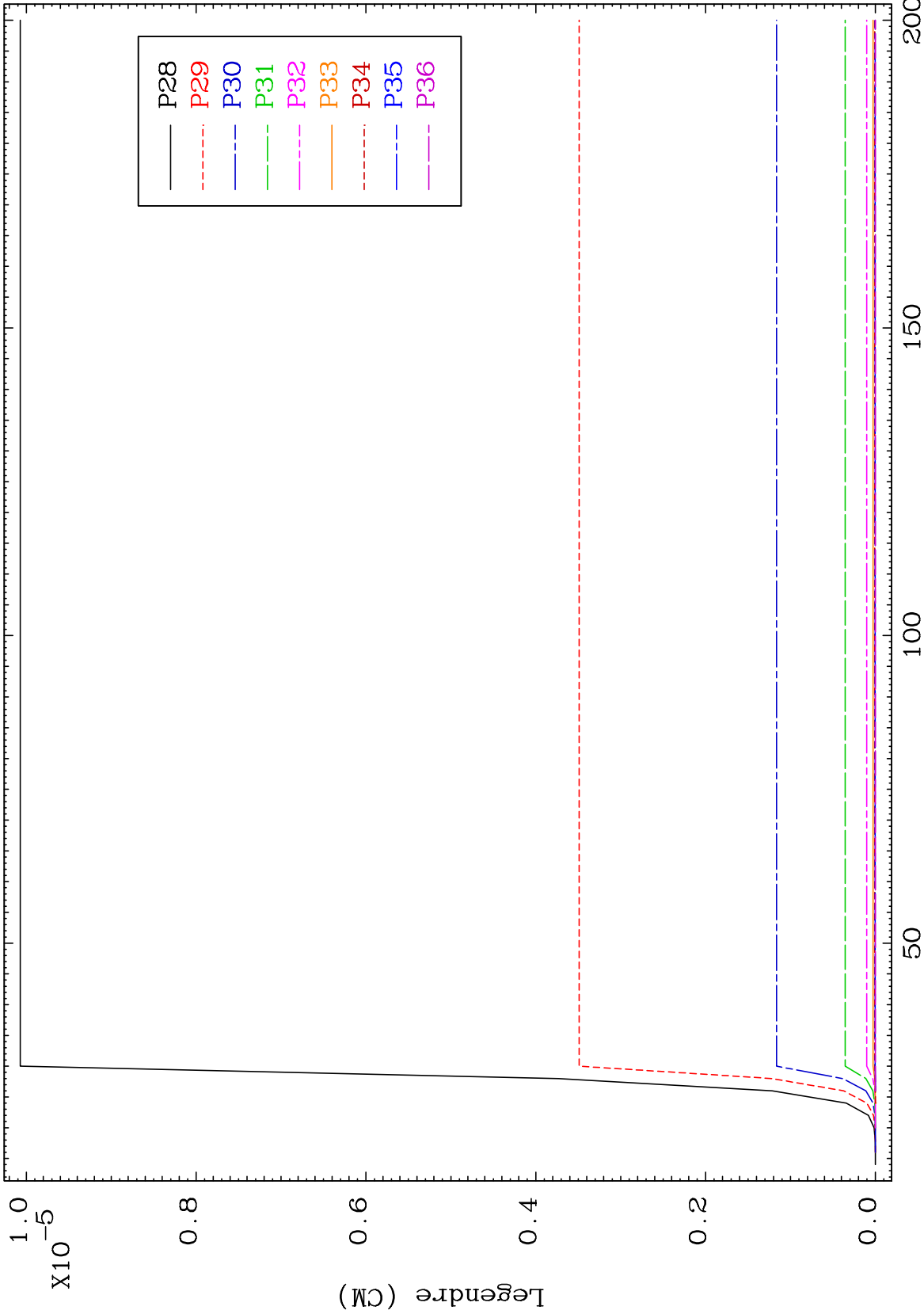
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



43

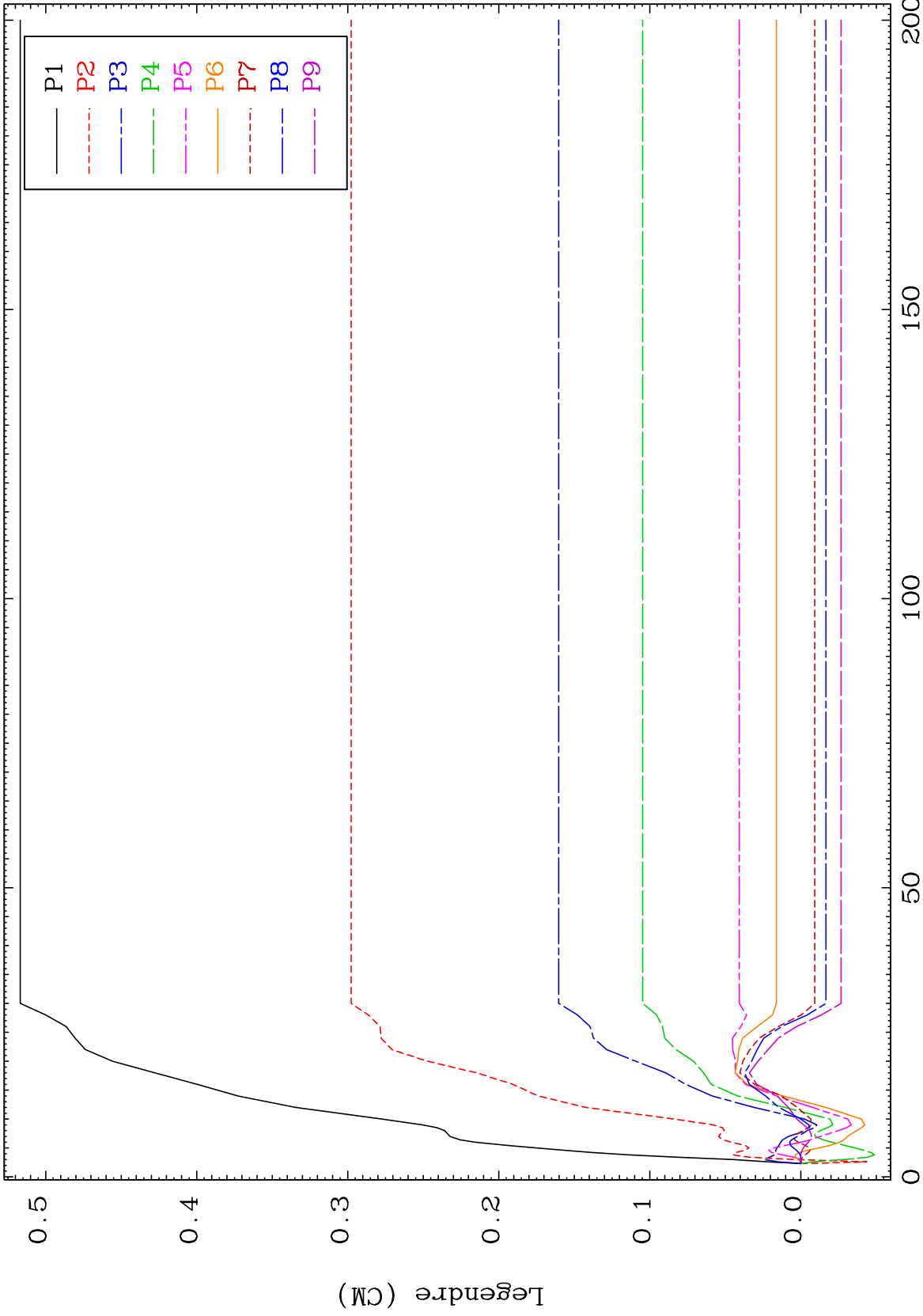
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



44

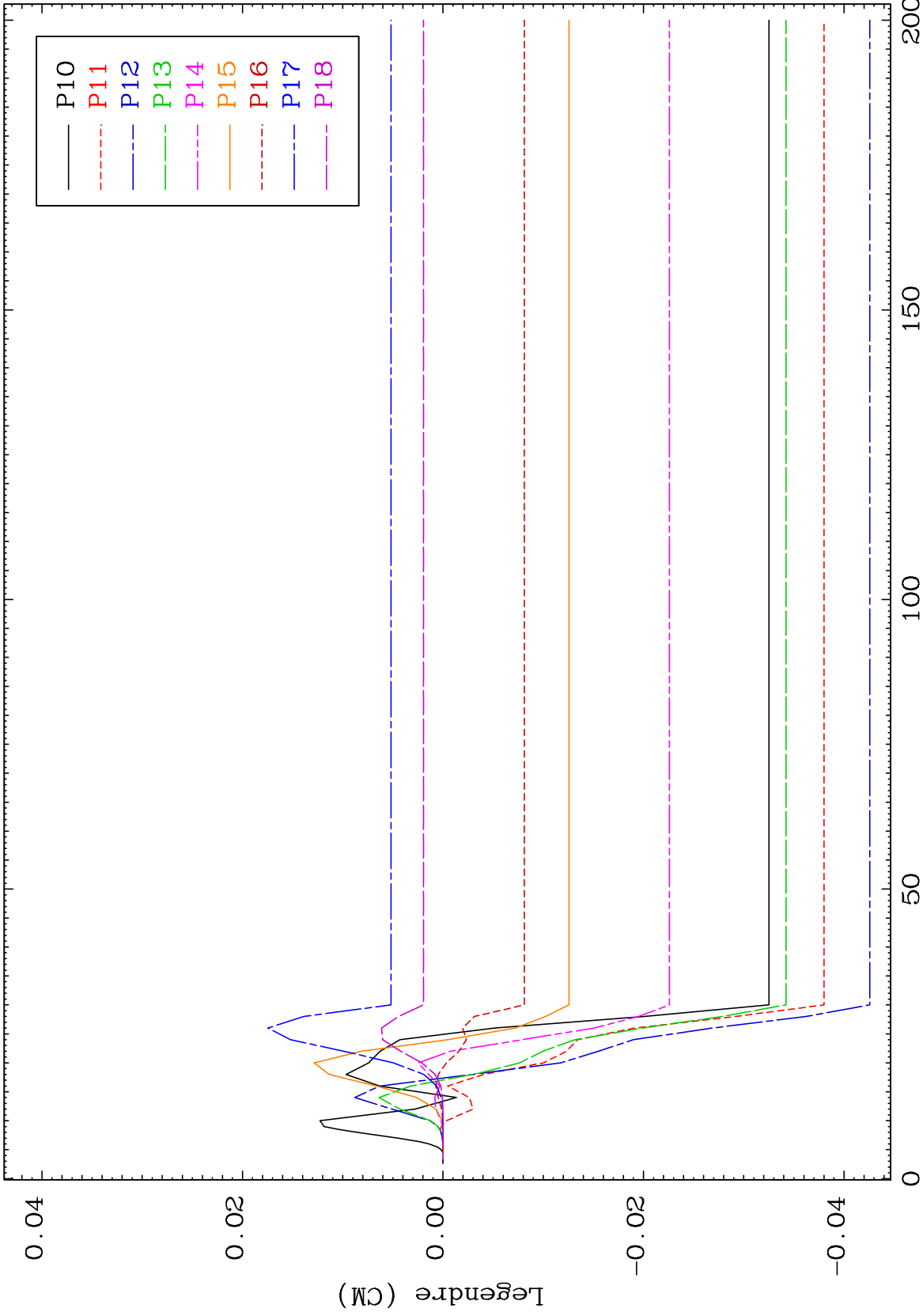
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



45

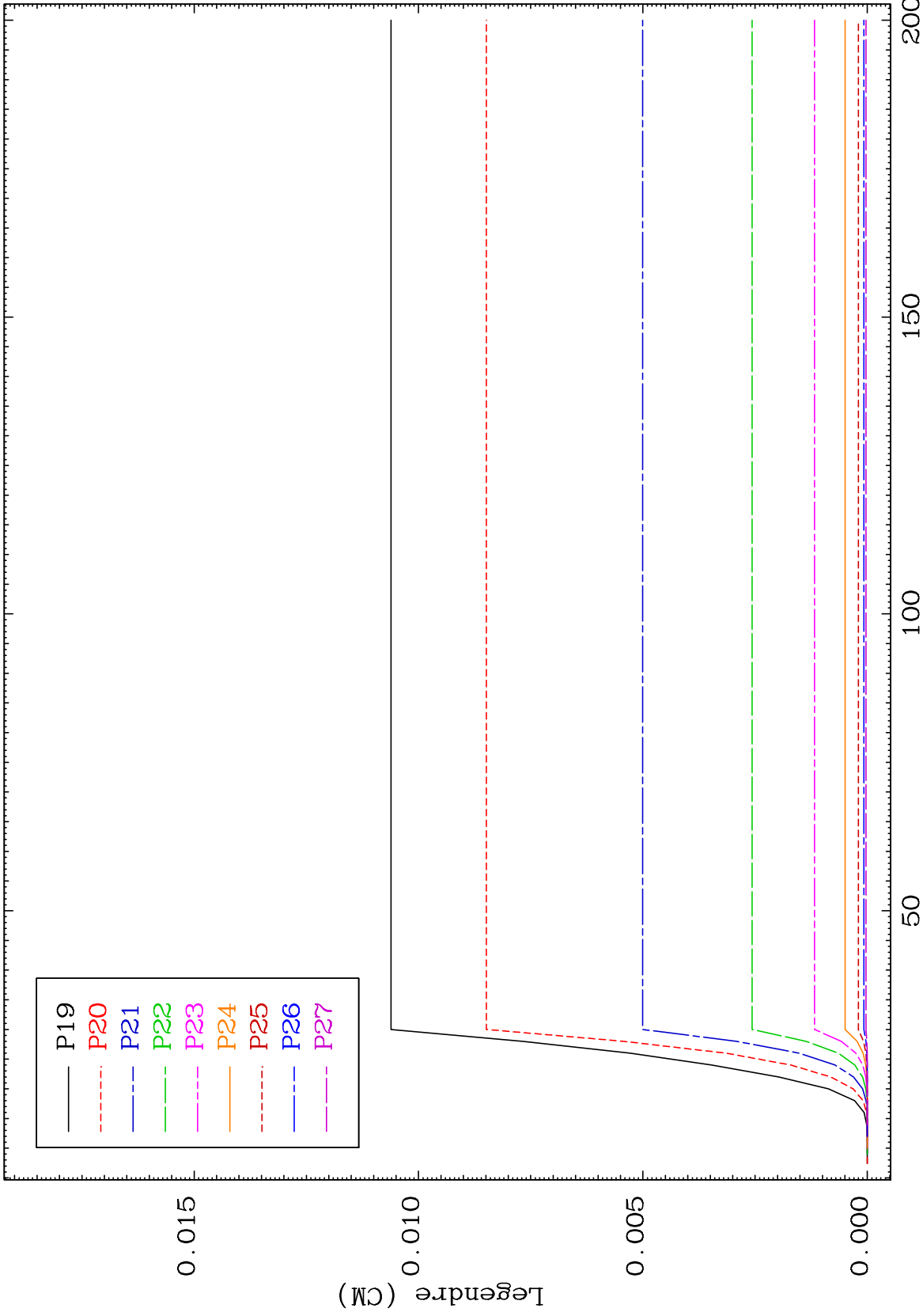
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



46

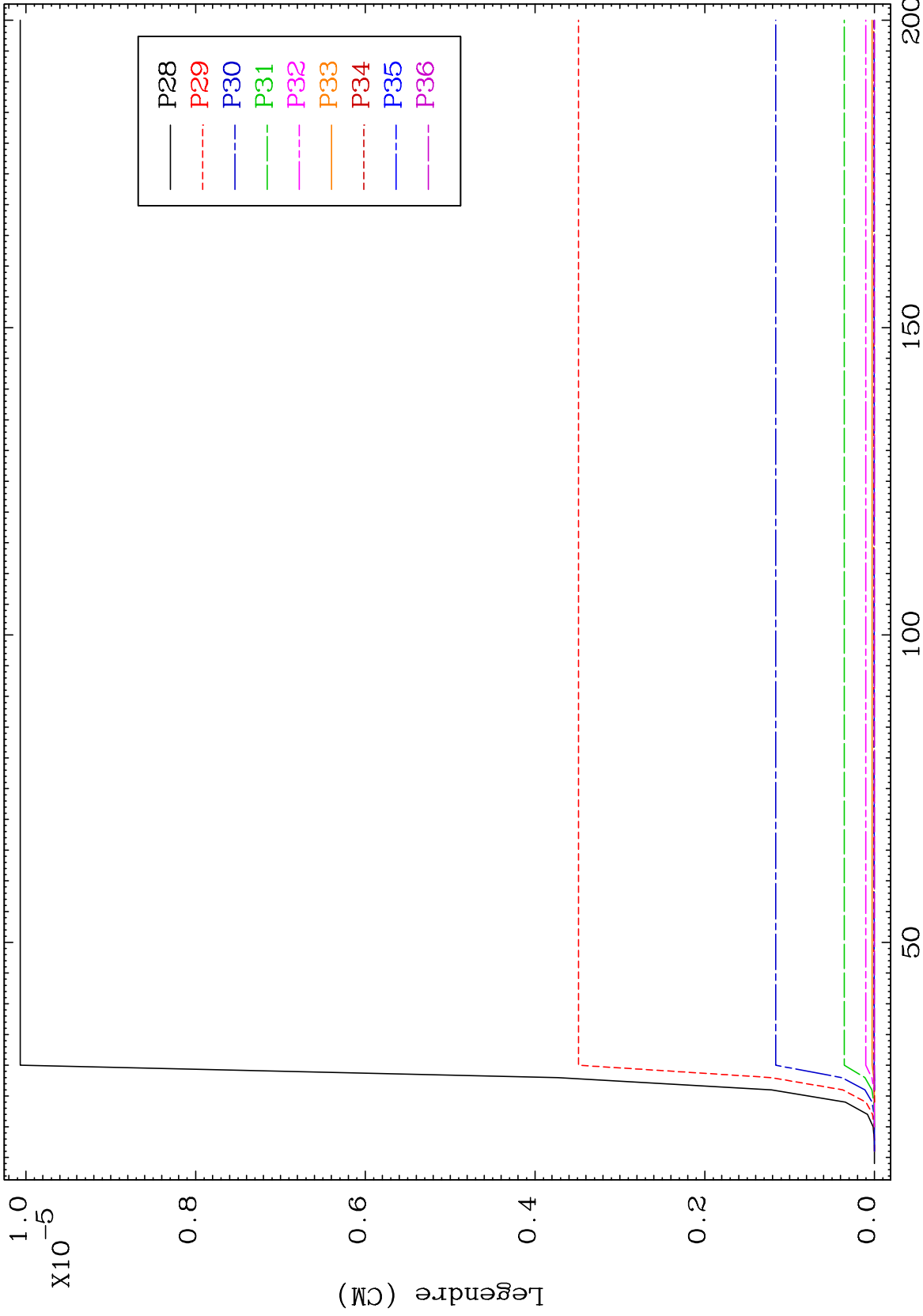
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



47

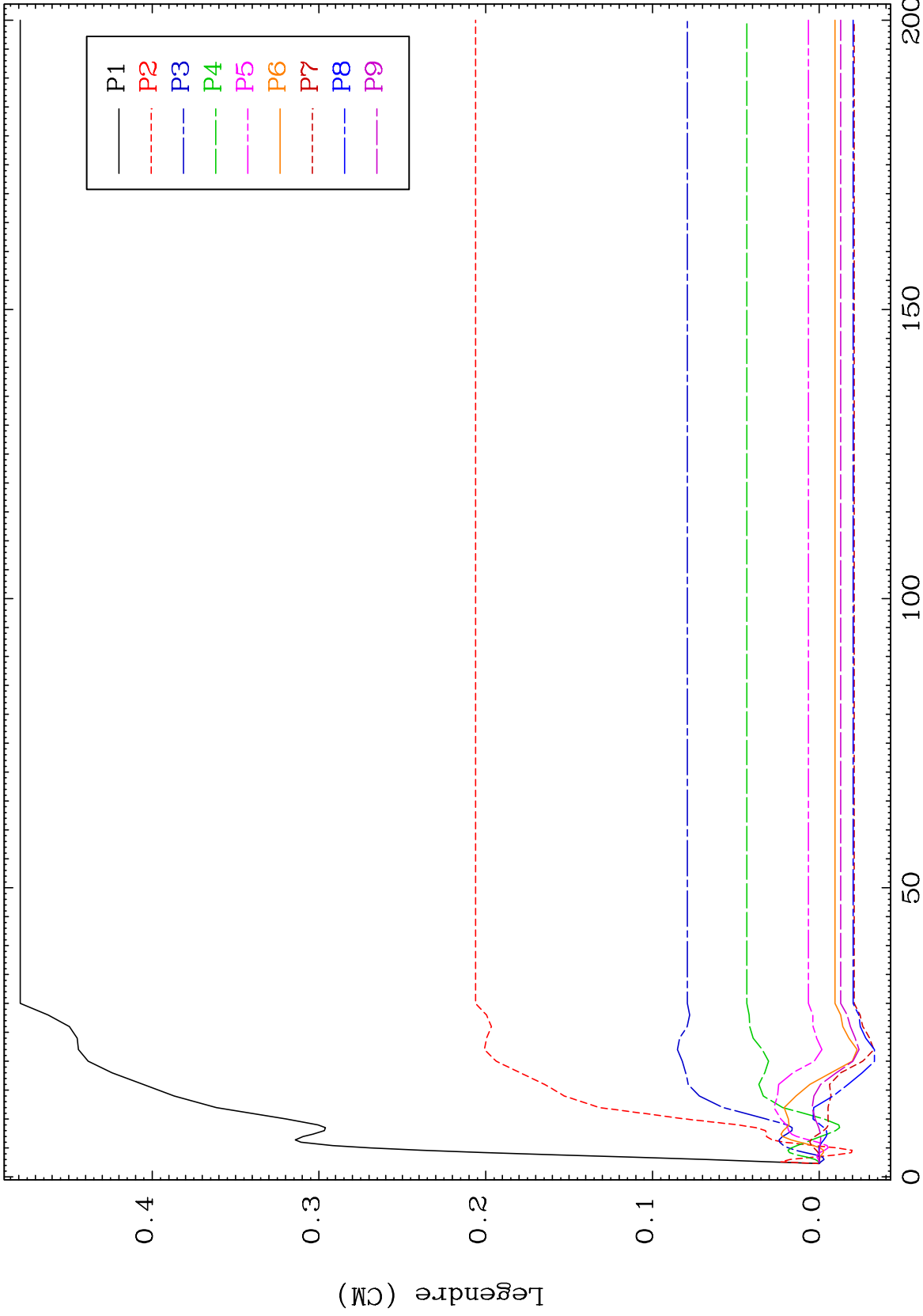
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



48

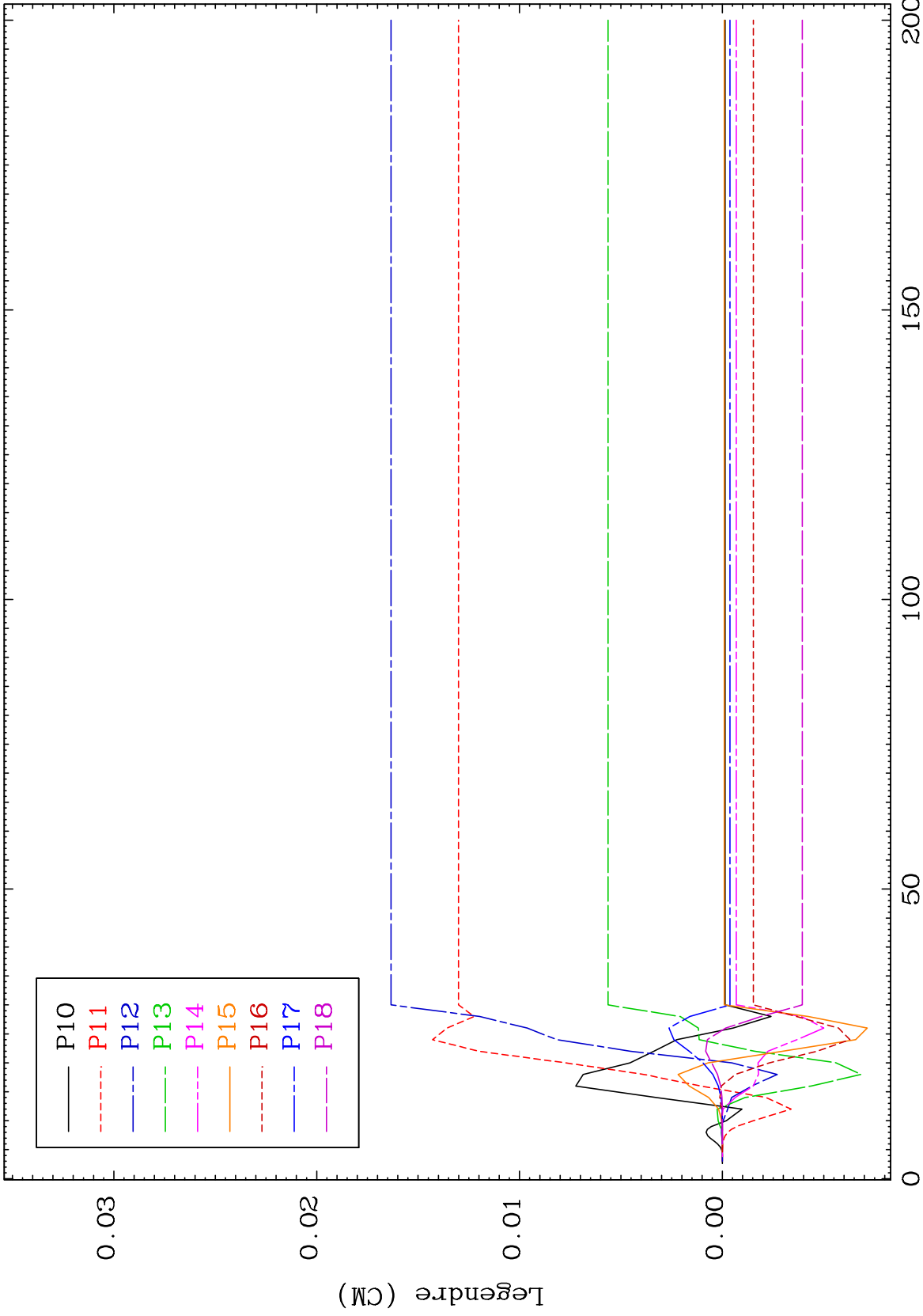
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



49

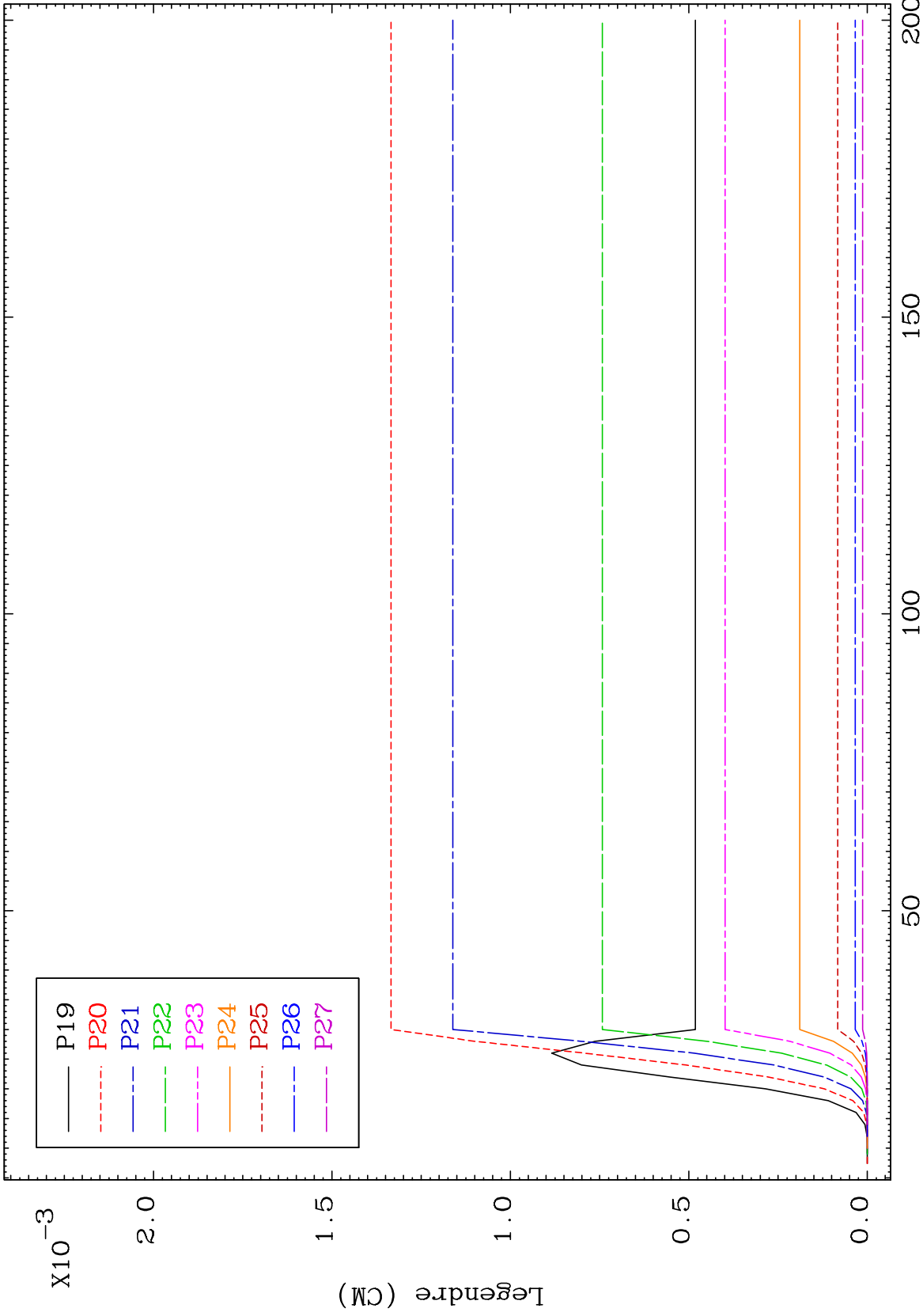
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155

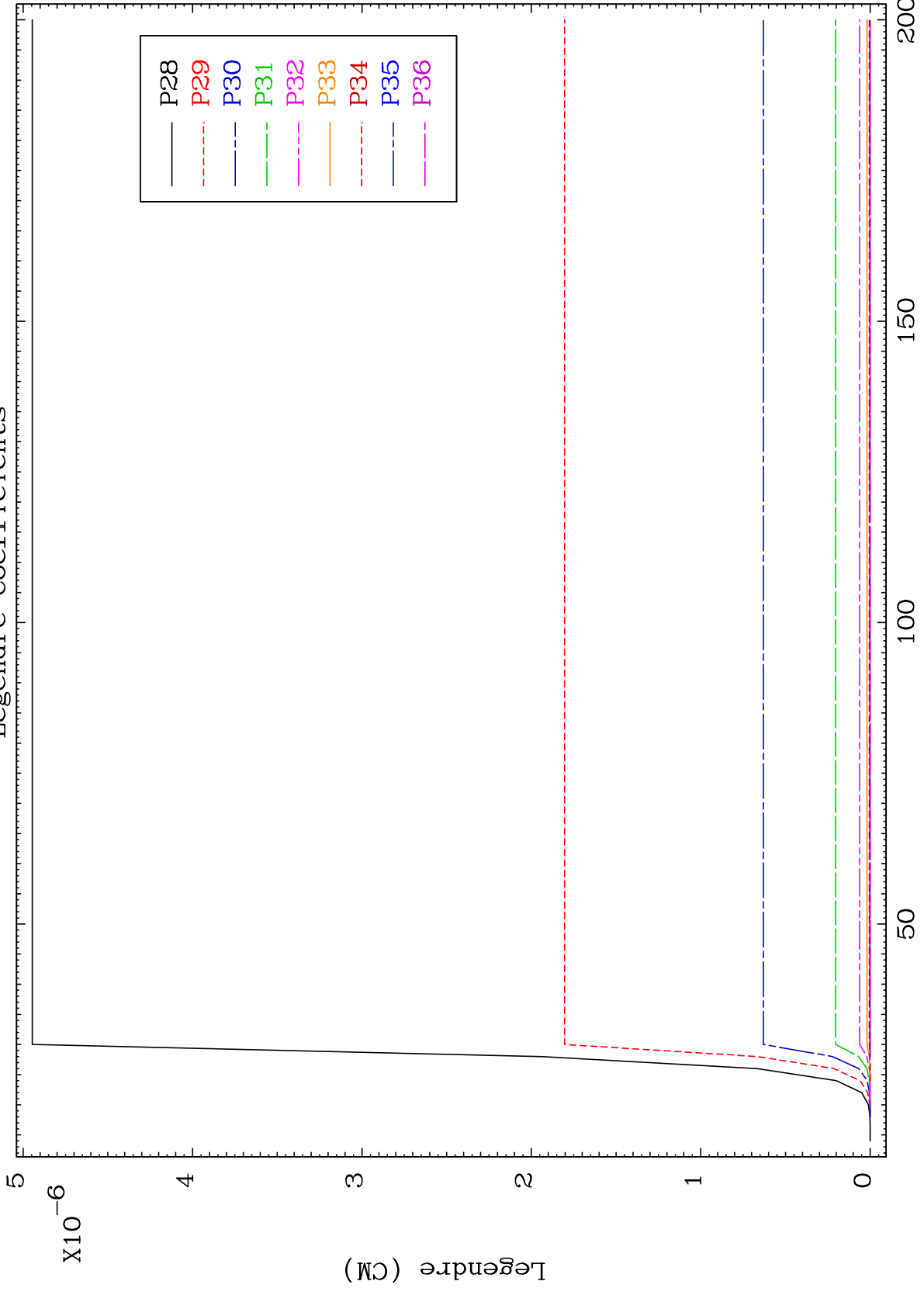


50

Incident Energy (MeV)

70-Yb-155

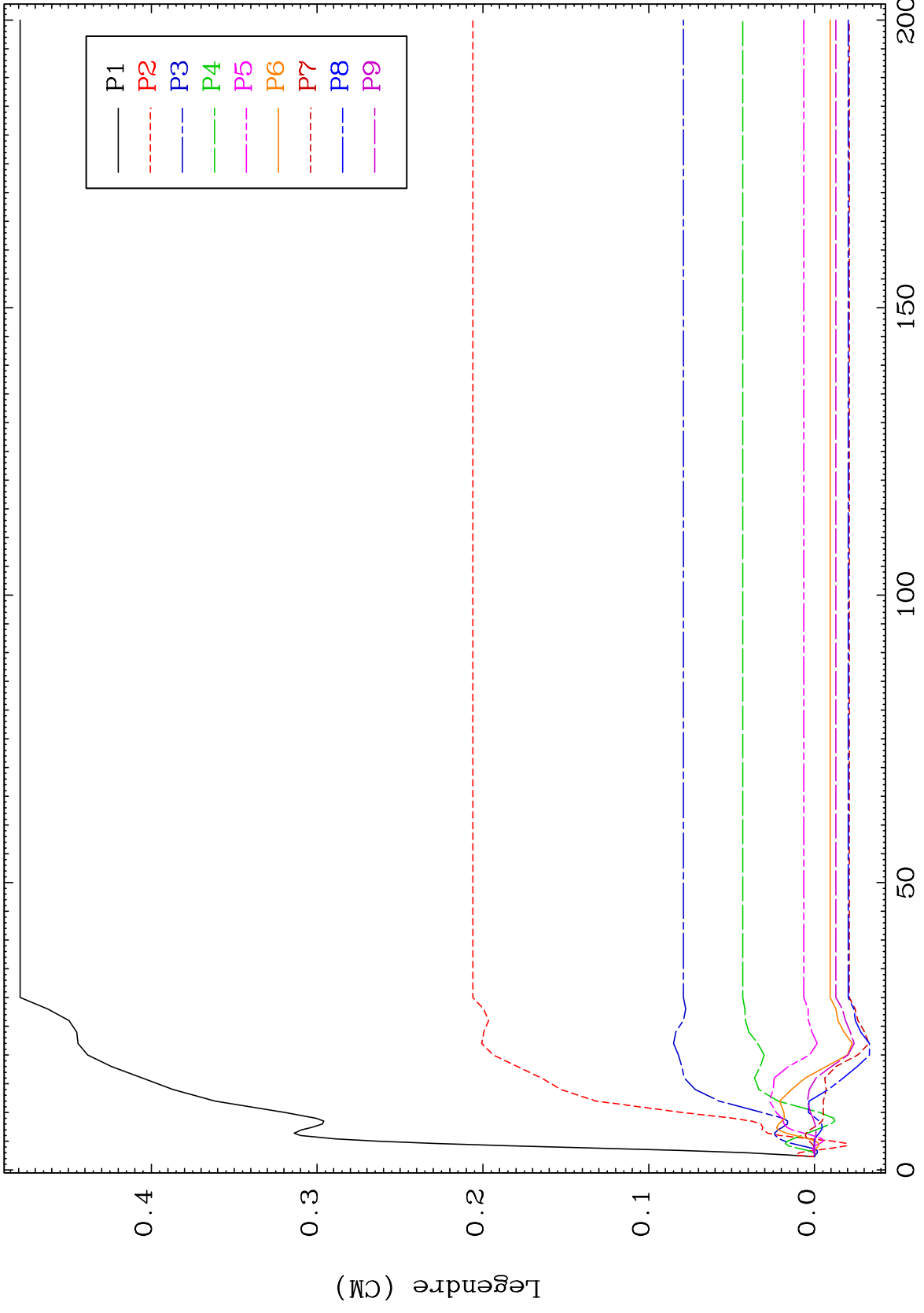
MAT 6986 MT= 58 (n,n') Level Legendre Coefficients 70-Yb-155



MAT 6986

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

70-Yb-155



52

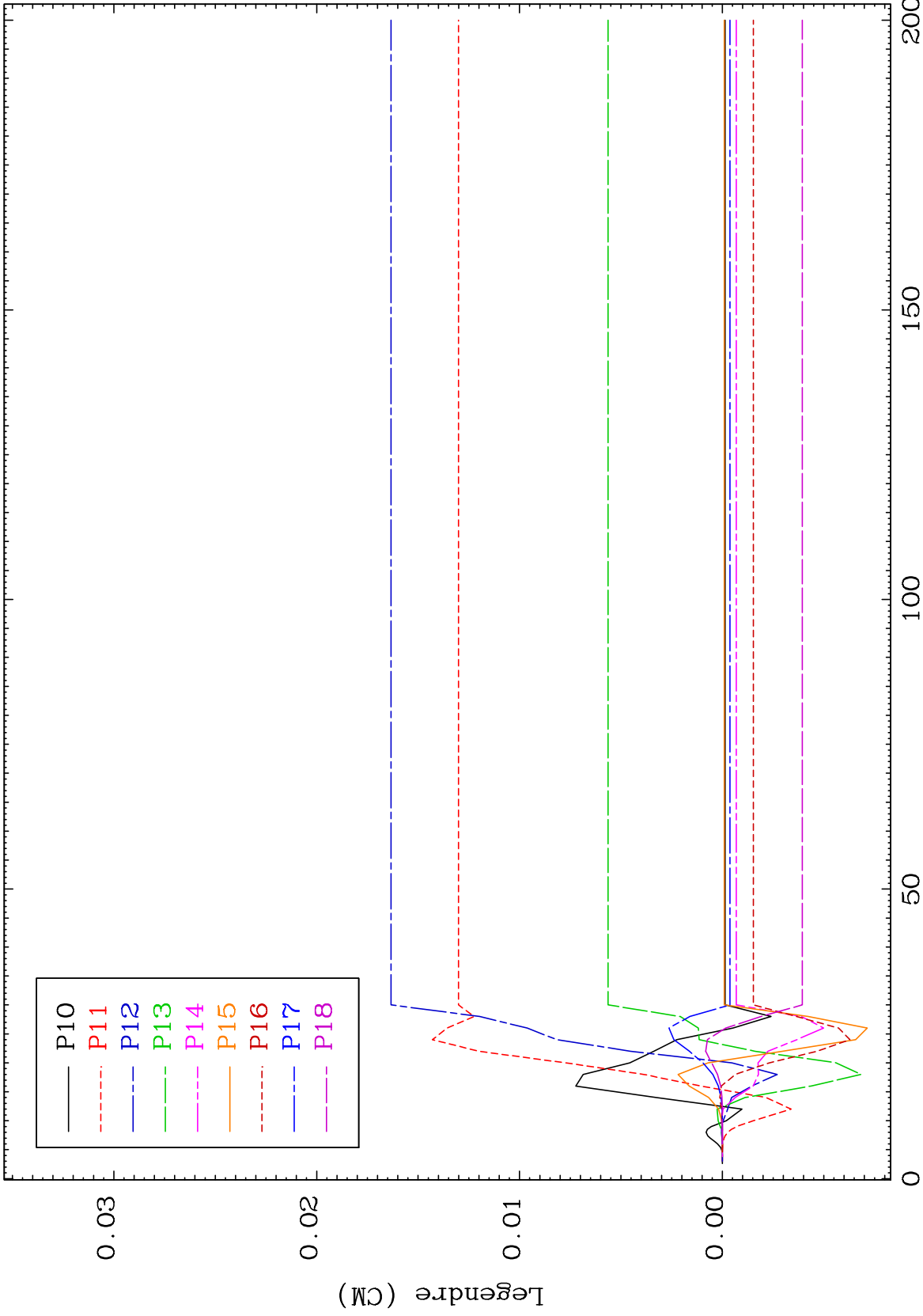
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



53

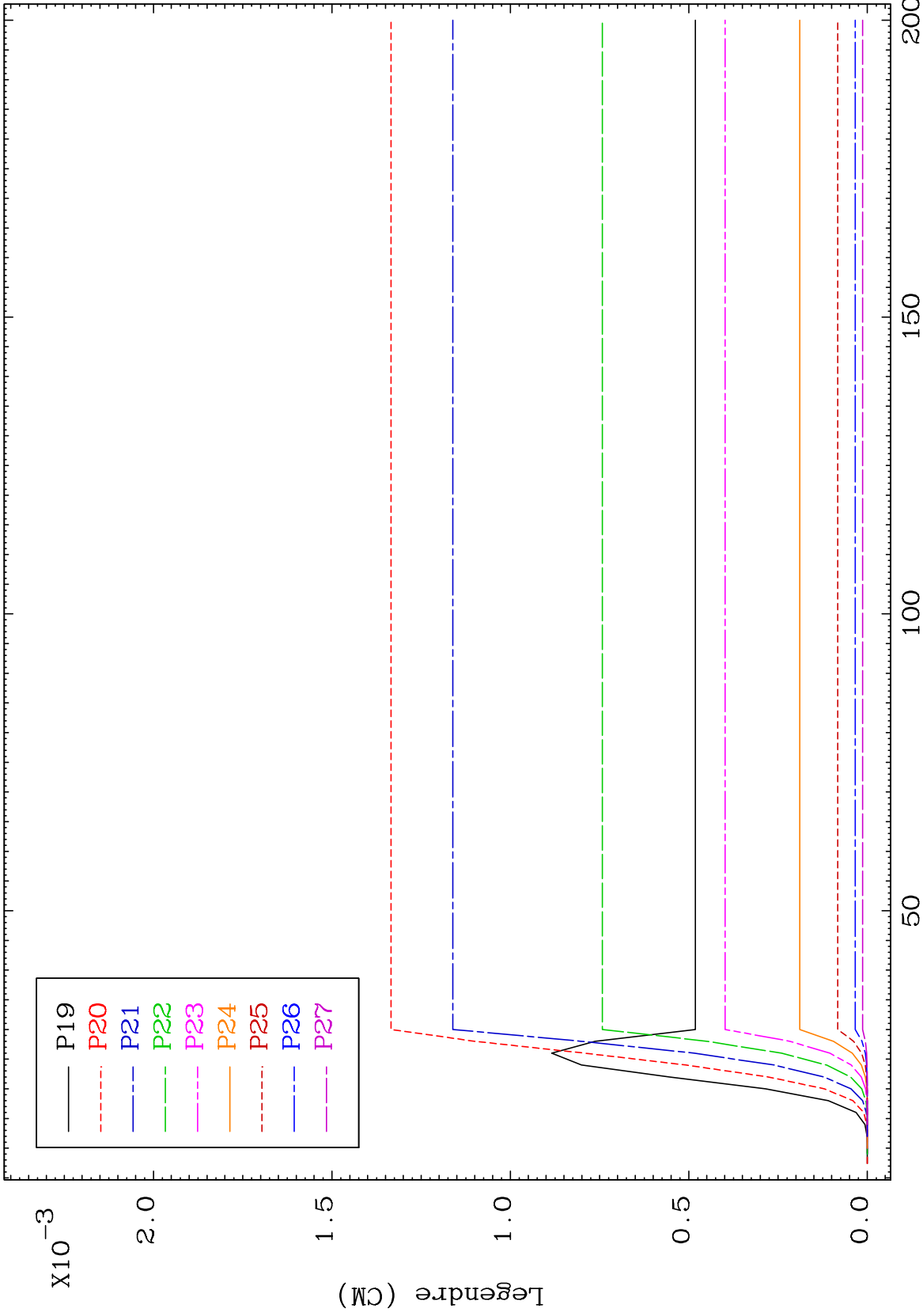
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155

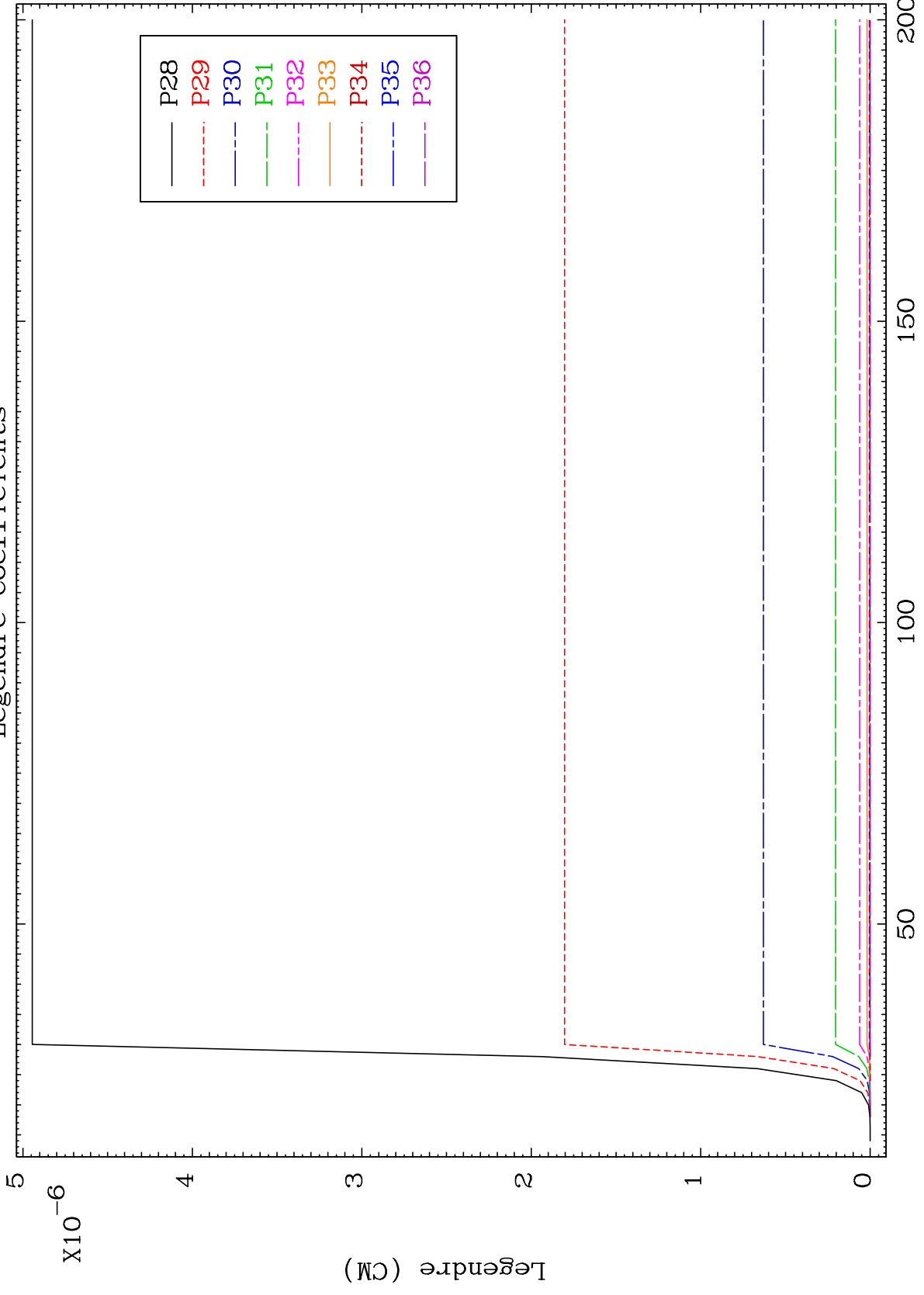


54

Incident Energy (MeV)

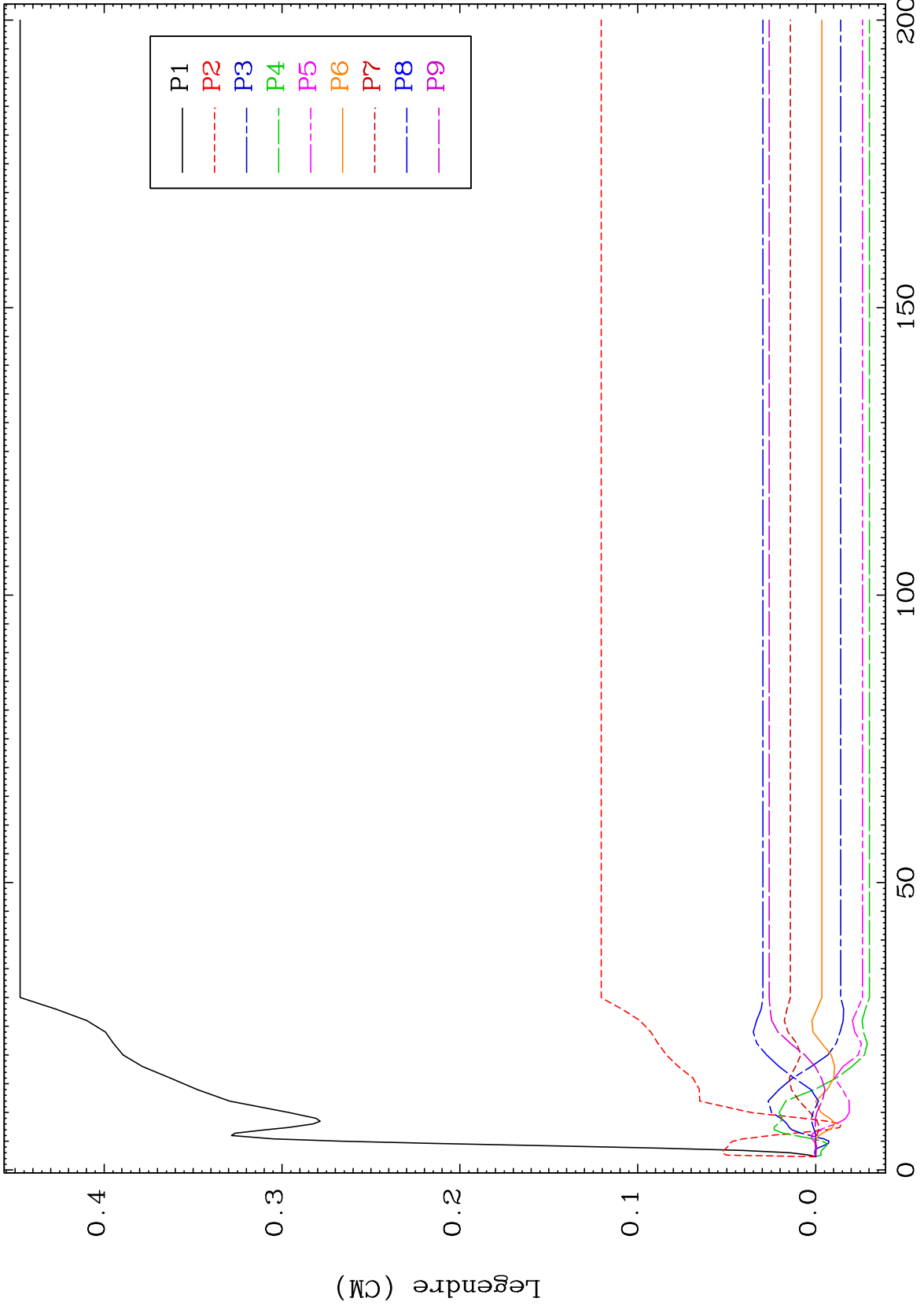
70-Yb-155

MAT 6986 MT= 59 (n,n') Level Legendre Coefficients 70-Yb-155



55 100 150 200 70-Yb-155

MAT 6986 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-155

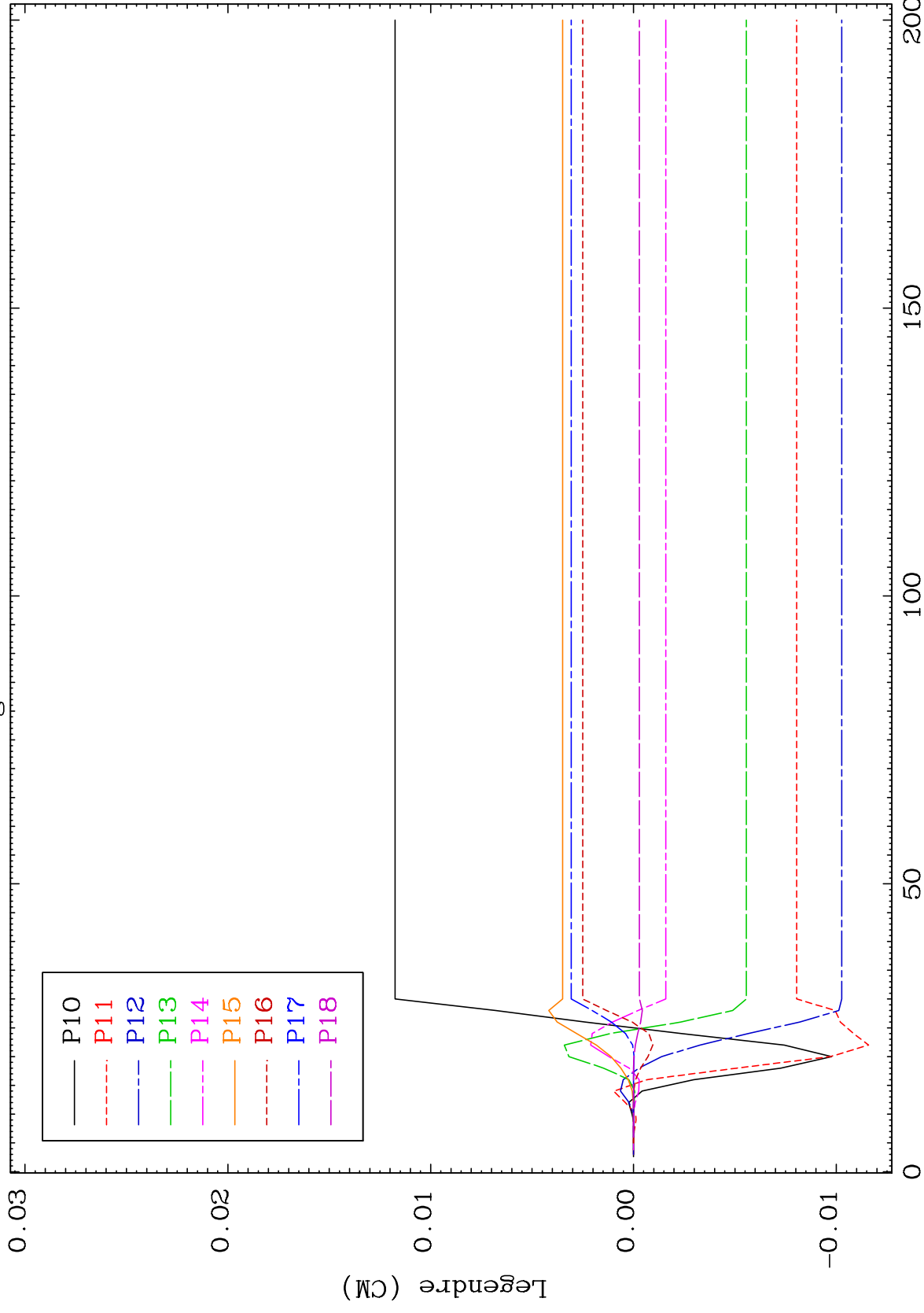


56 Incident Energy (MeV) 70-Yb-155

MAT 6986

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

70-Yb-155

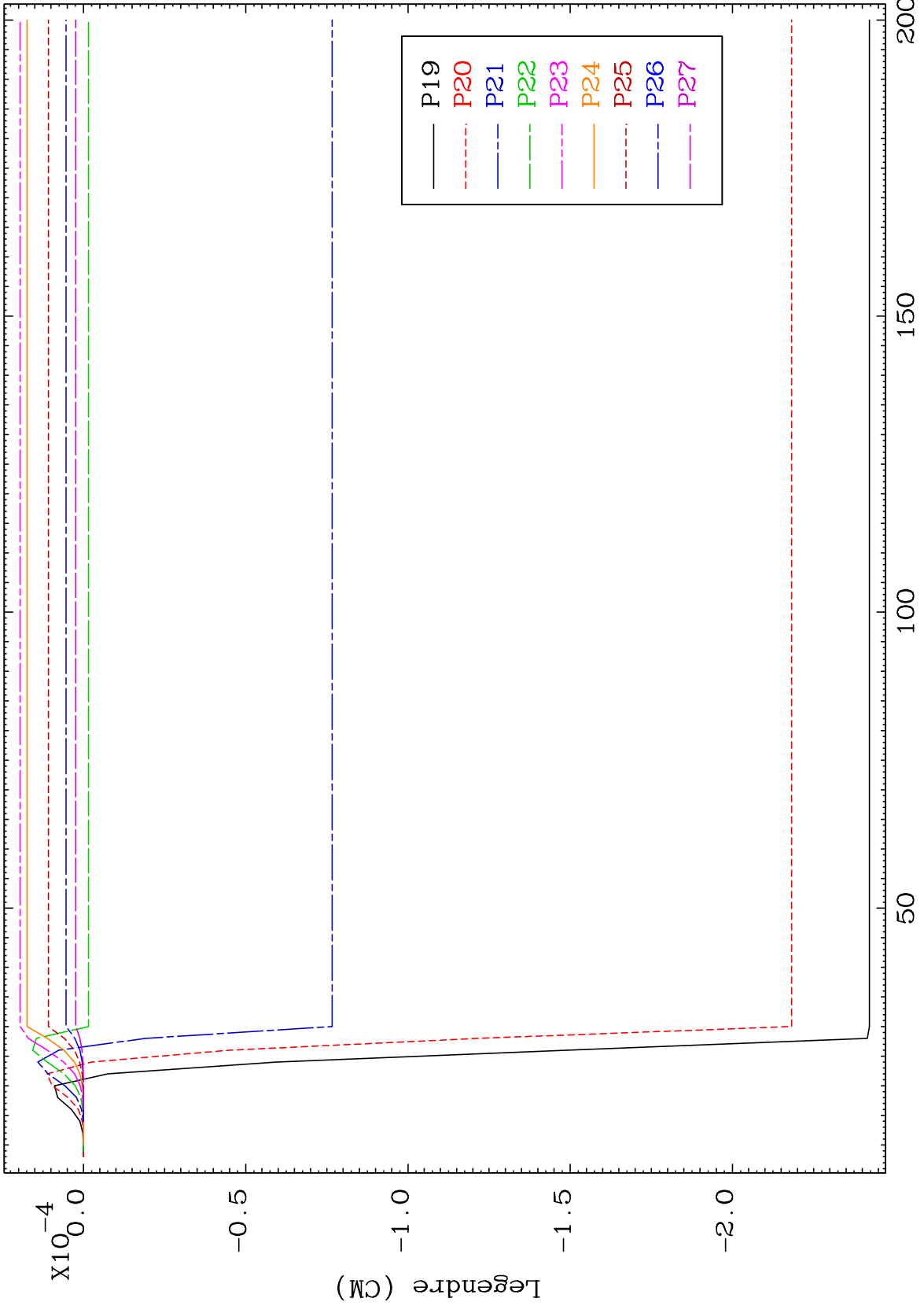


57

Incident Energy (MeV)

70-Yb-155

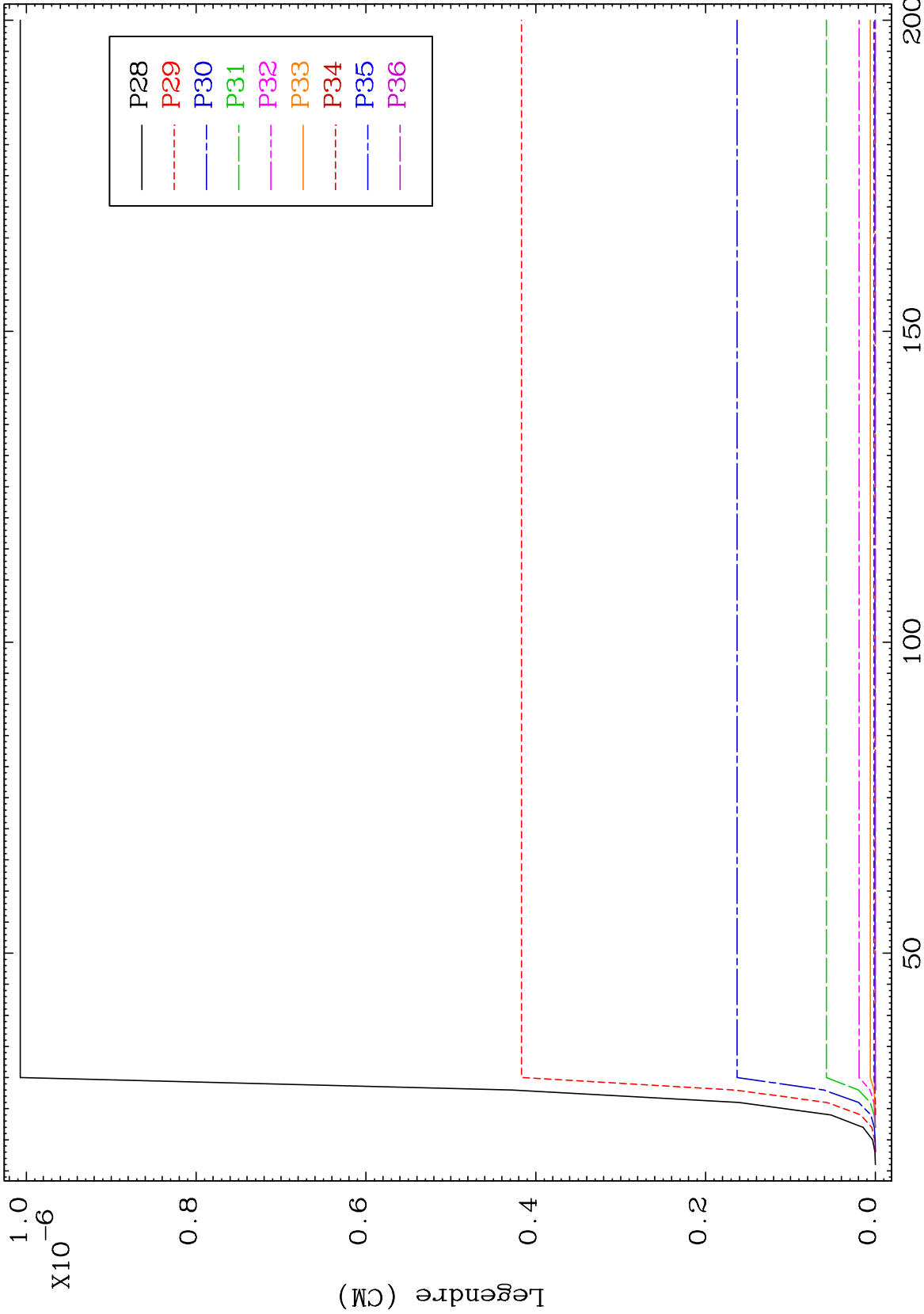
MAT 6986 MT= 60 (n,n') Level Legendre Coefficients 70-Yb-155



MAT 6986

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

70-Yb-155

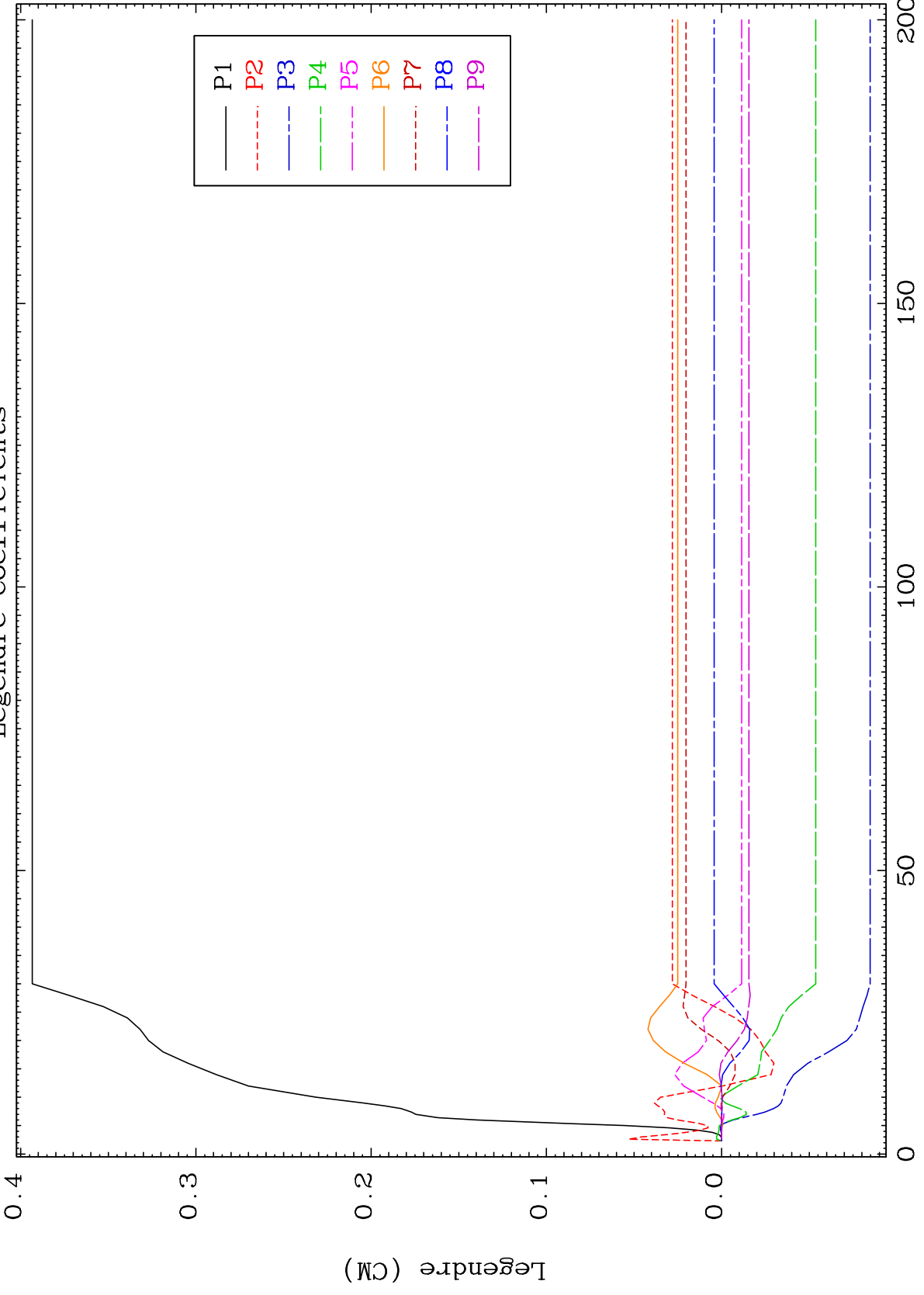


59

Incident Energy (MeV)

70-Yb-155

MAT 6986 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-155

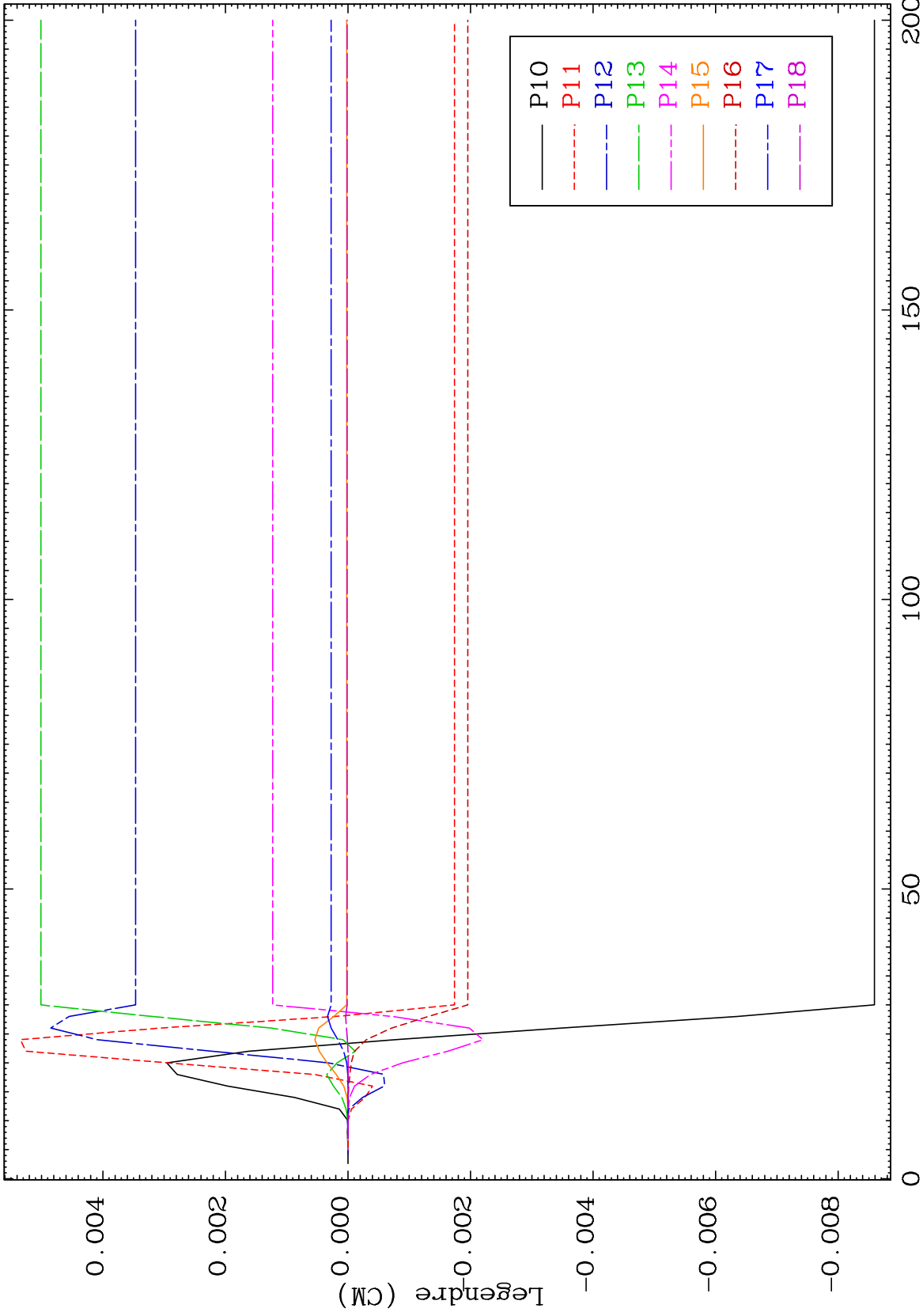


60 100 150 200 70-Yb-155

MAT 6986

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

70-Yb-155

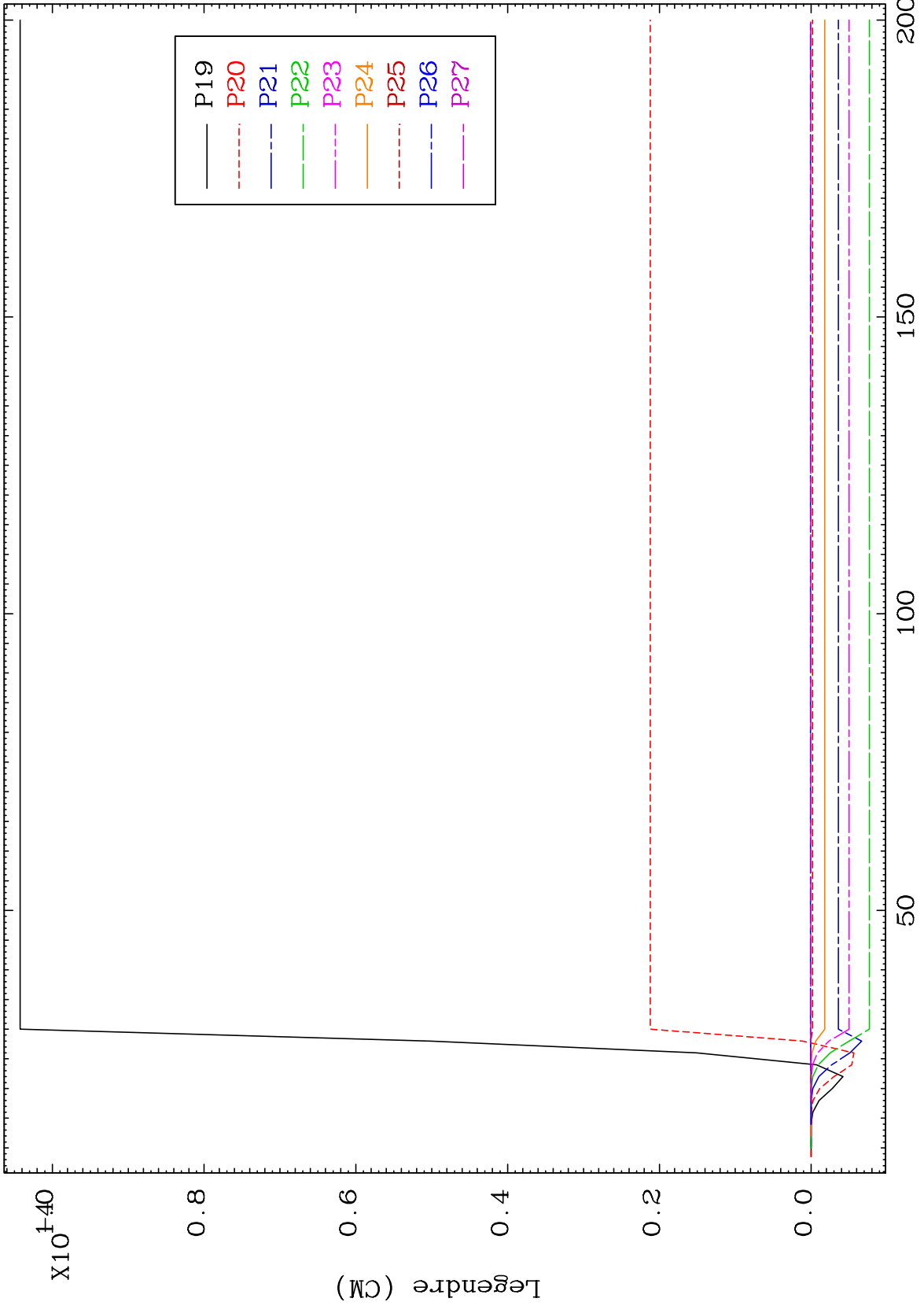


61

Incident Energy (MeV)

70-Yb-155

MAT 6986 MT= 61 (n,n') Level Legendre Coefficients 70-Yb-155

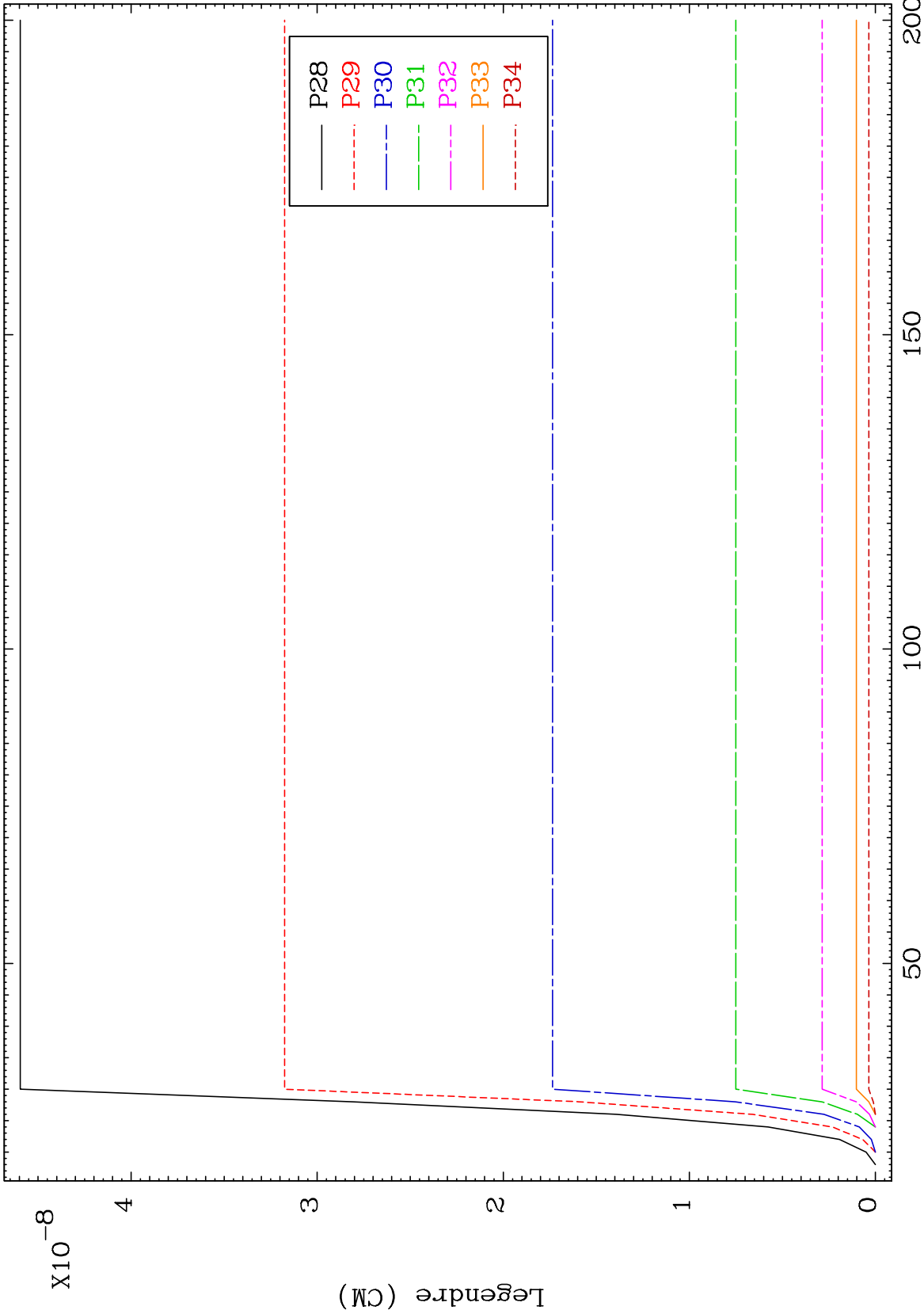


62 70-Yb-155

MAT 6986

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

70-Yb-155



63

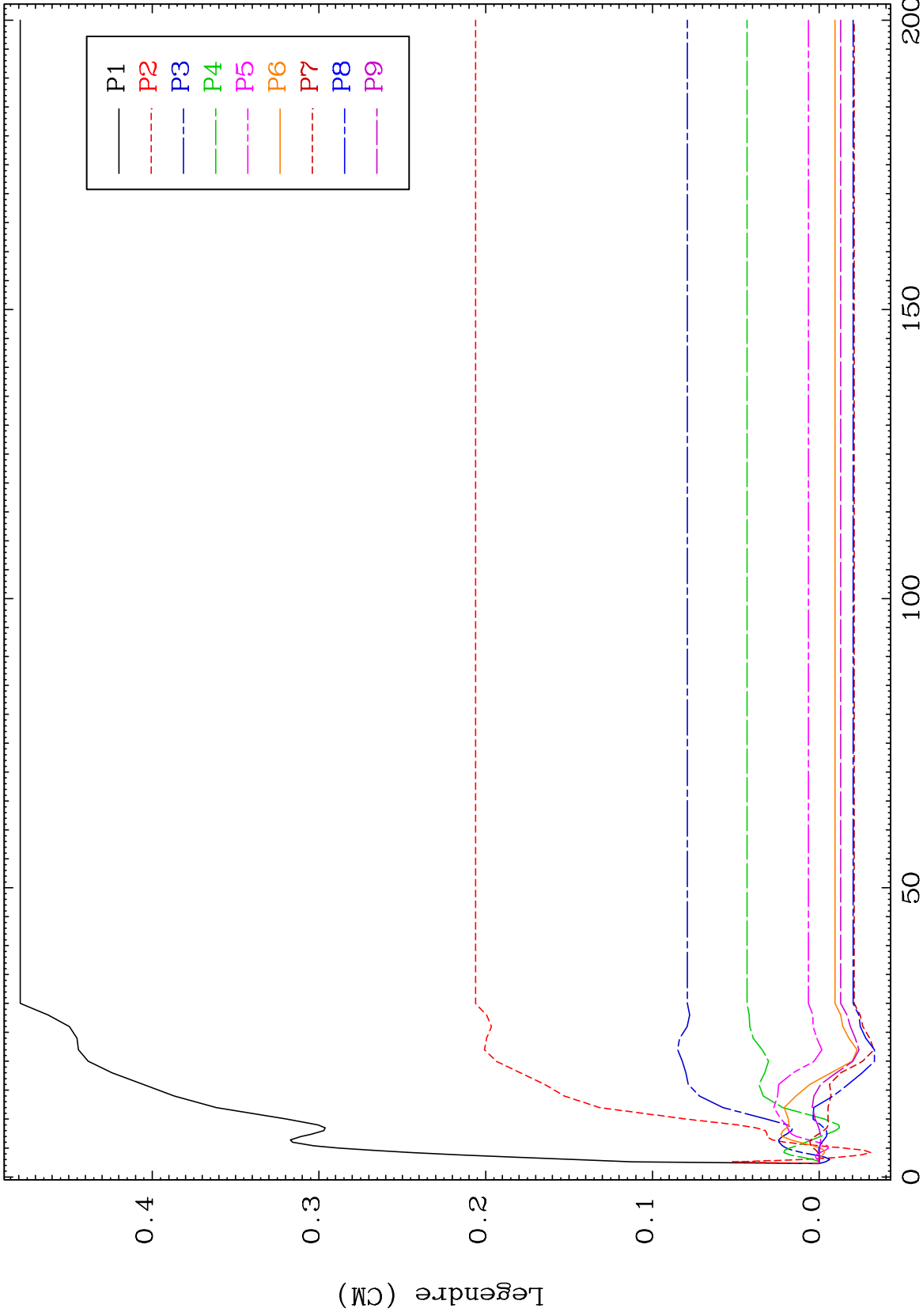
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



64

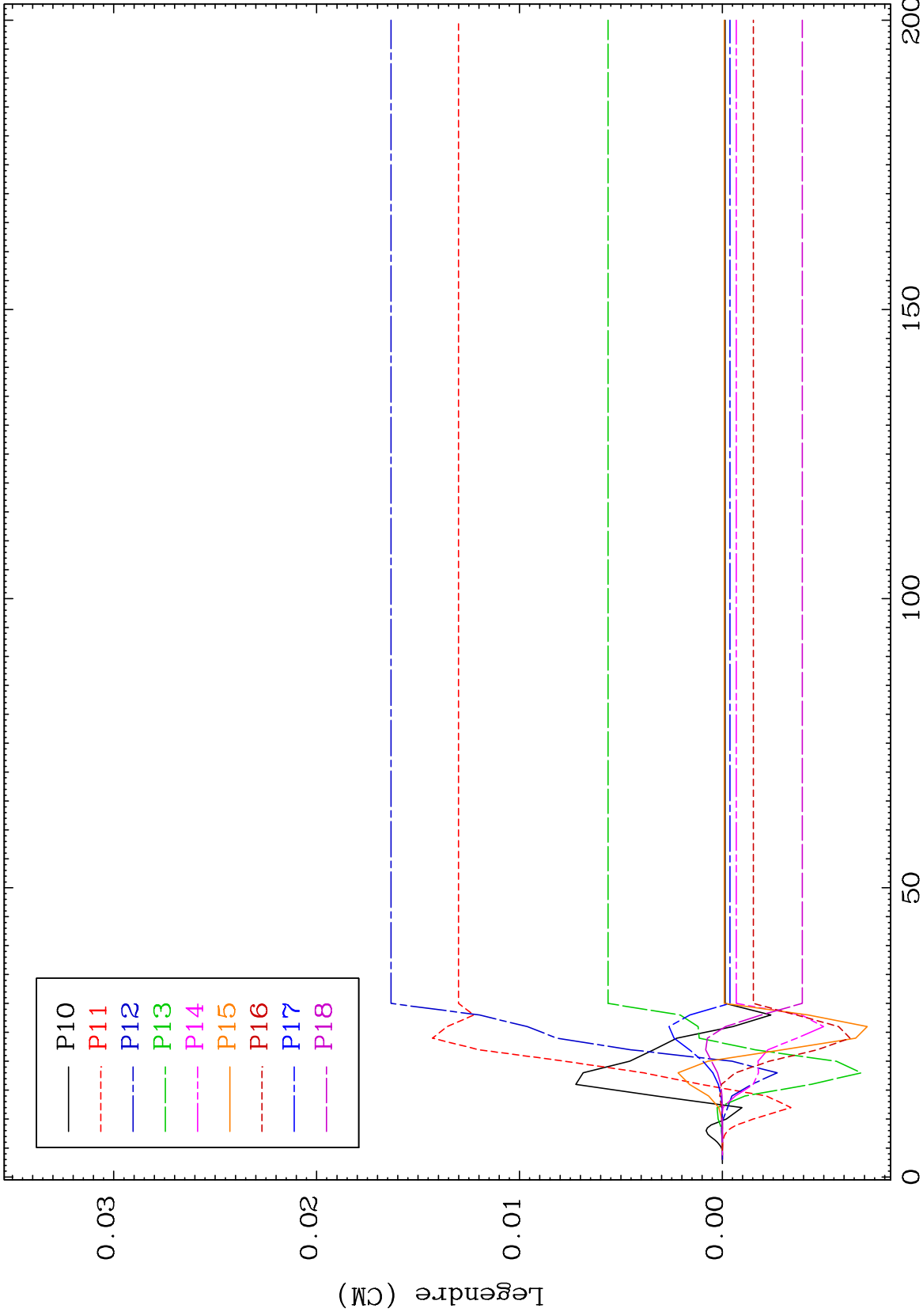
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



65

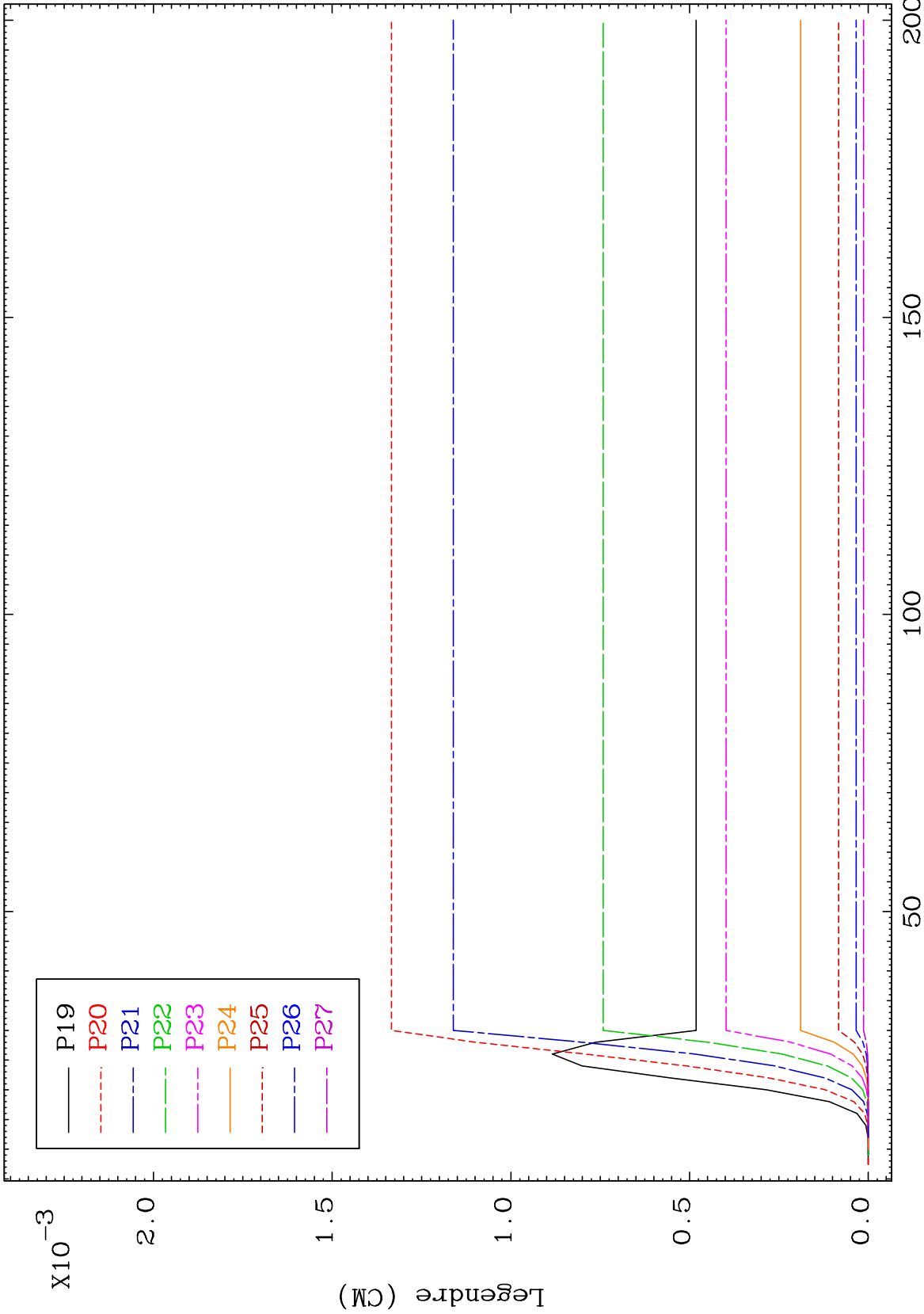
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155

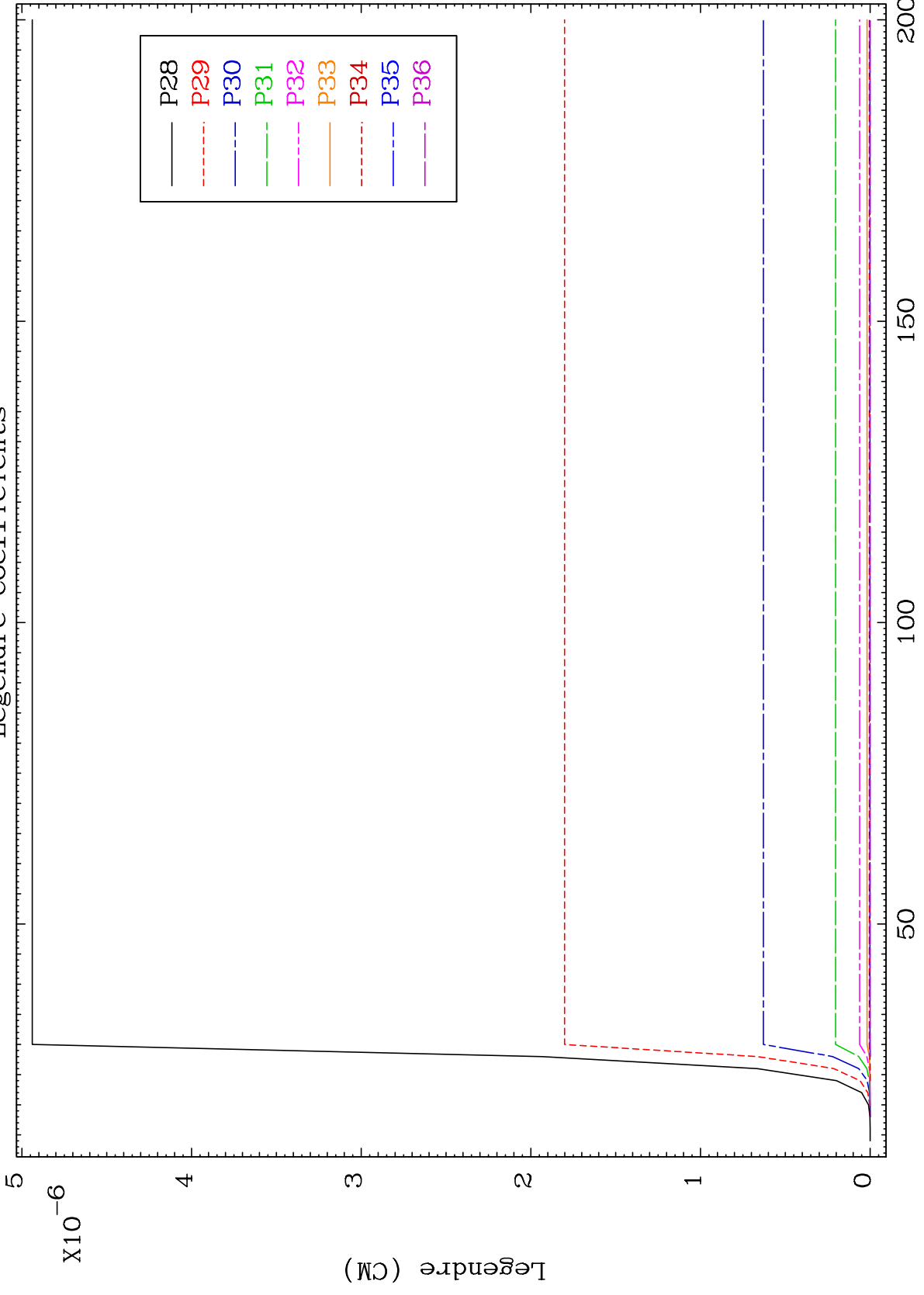


66

Incident Energy (MeV)

70-Yb-155

MAT 6986 MT= 62 (n,n') Level Legendre Coefficients 70-Yb-155



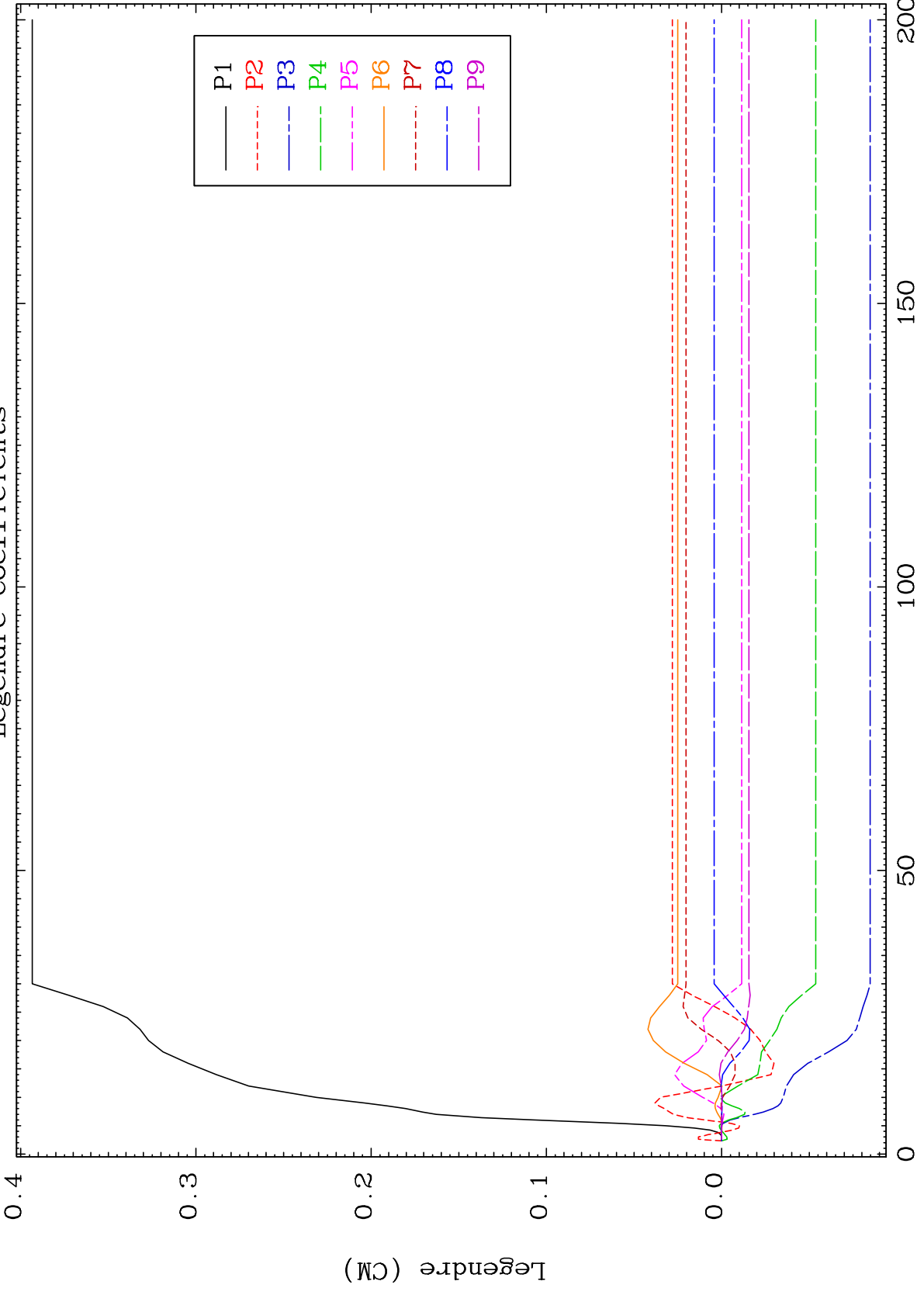
67 70-Yb-155

MAT 6986 MT= 63 (n,n') Level Legendre Coefficients

70-Yb-155

68

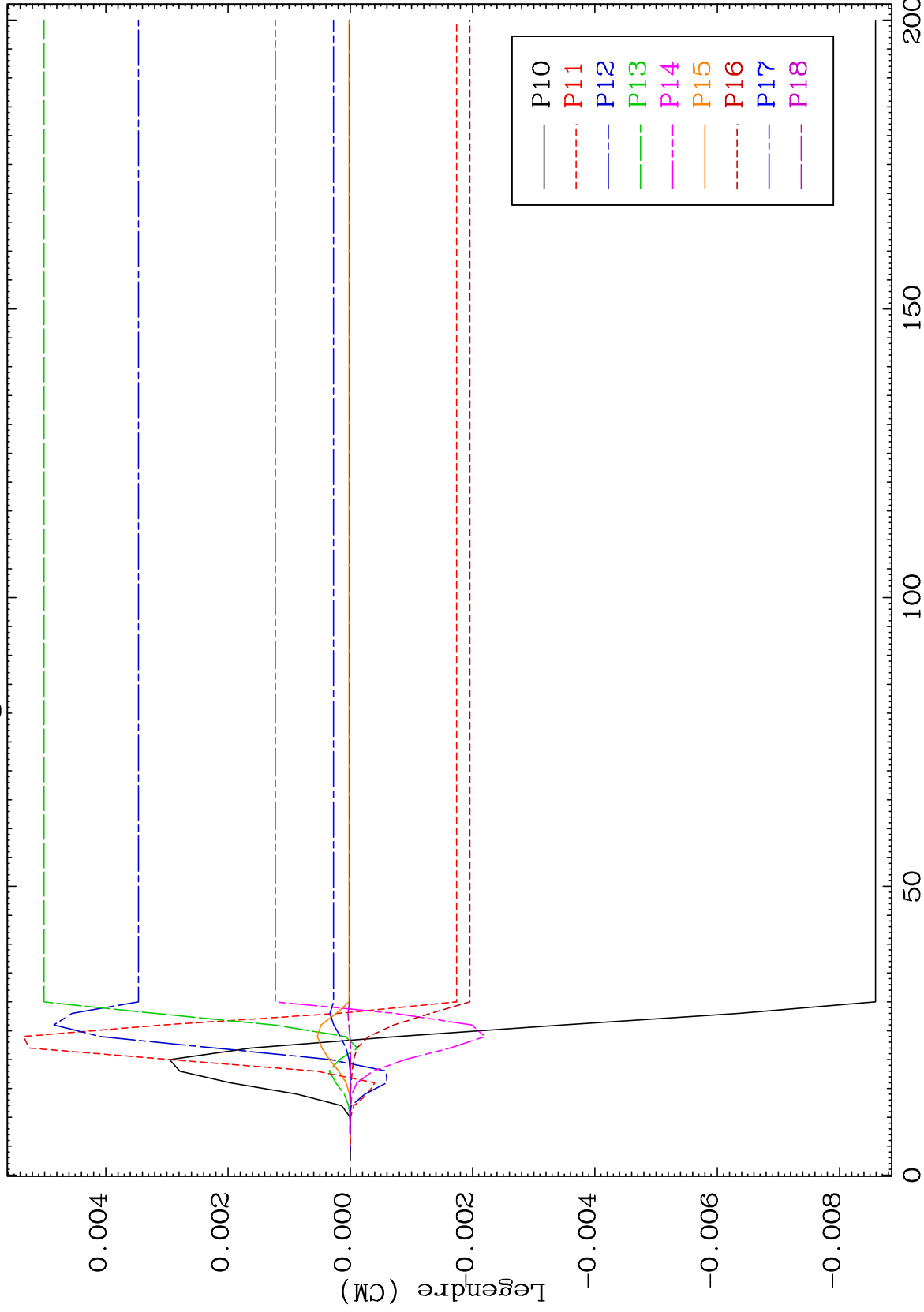
Incident Energy (MeV)



MAT 6986

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

70-Yb-155



69

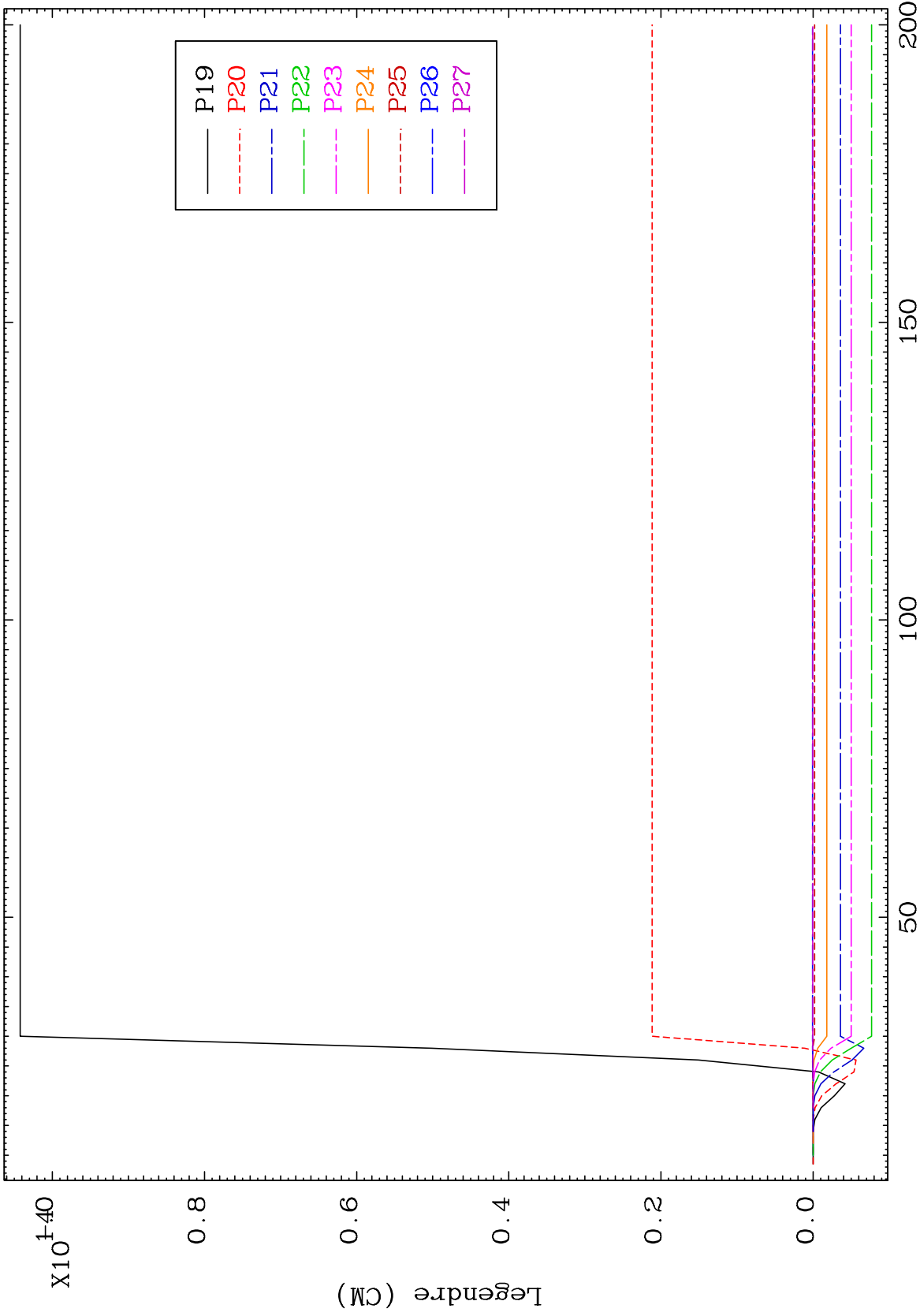
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



70

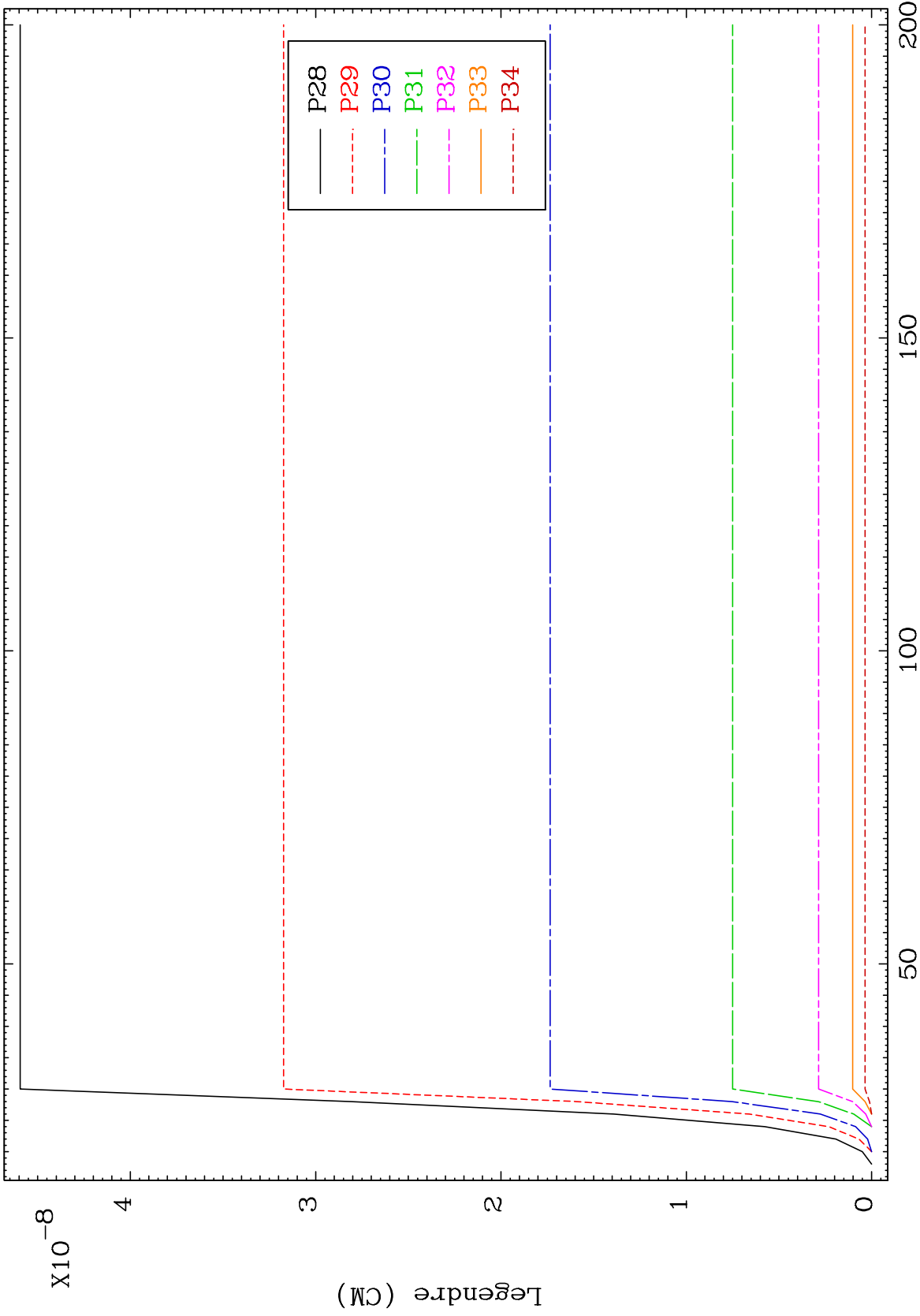
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155

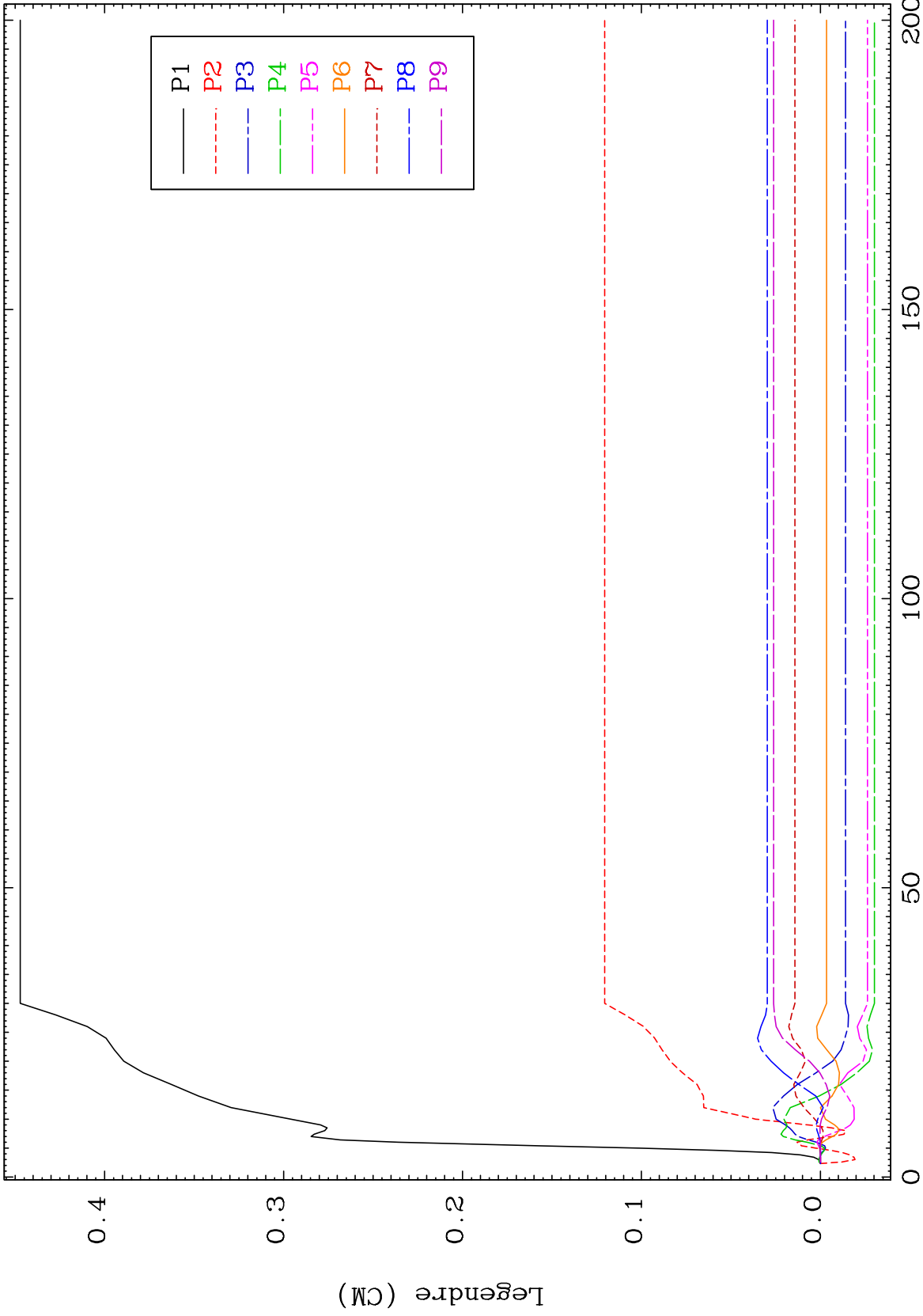


71

MAT 6986

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

70-Yb-155



72

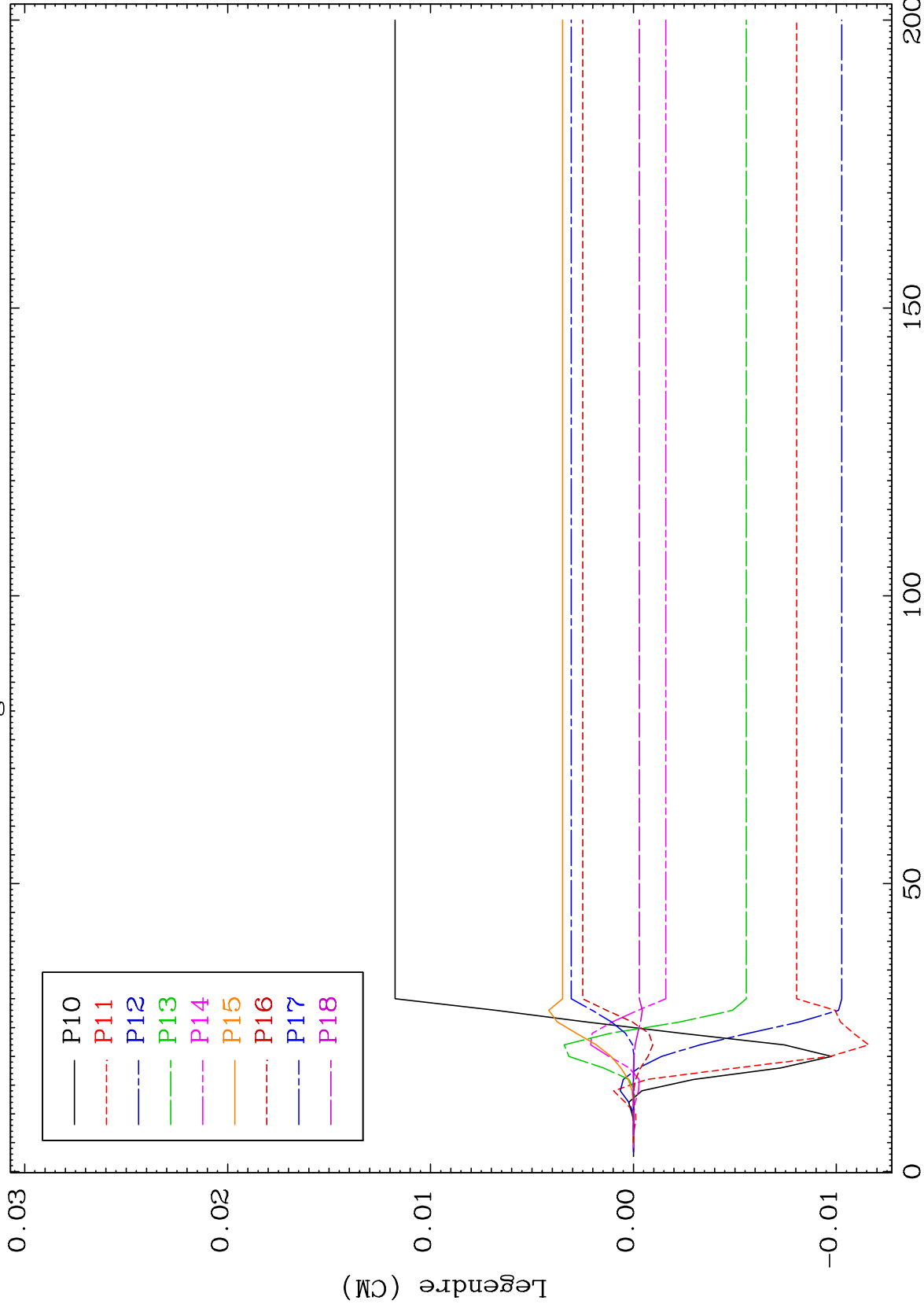
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155

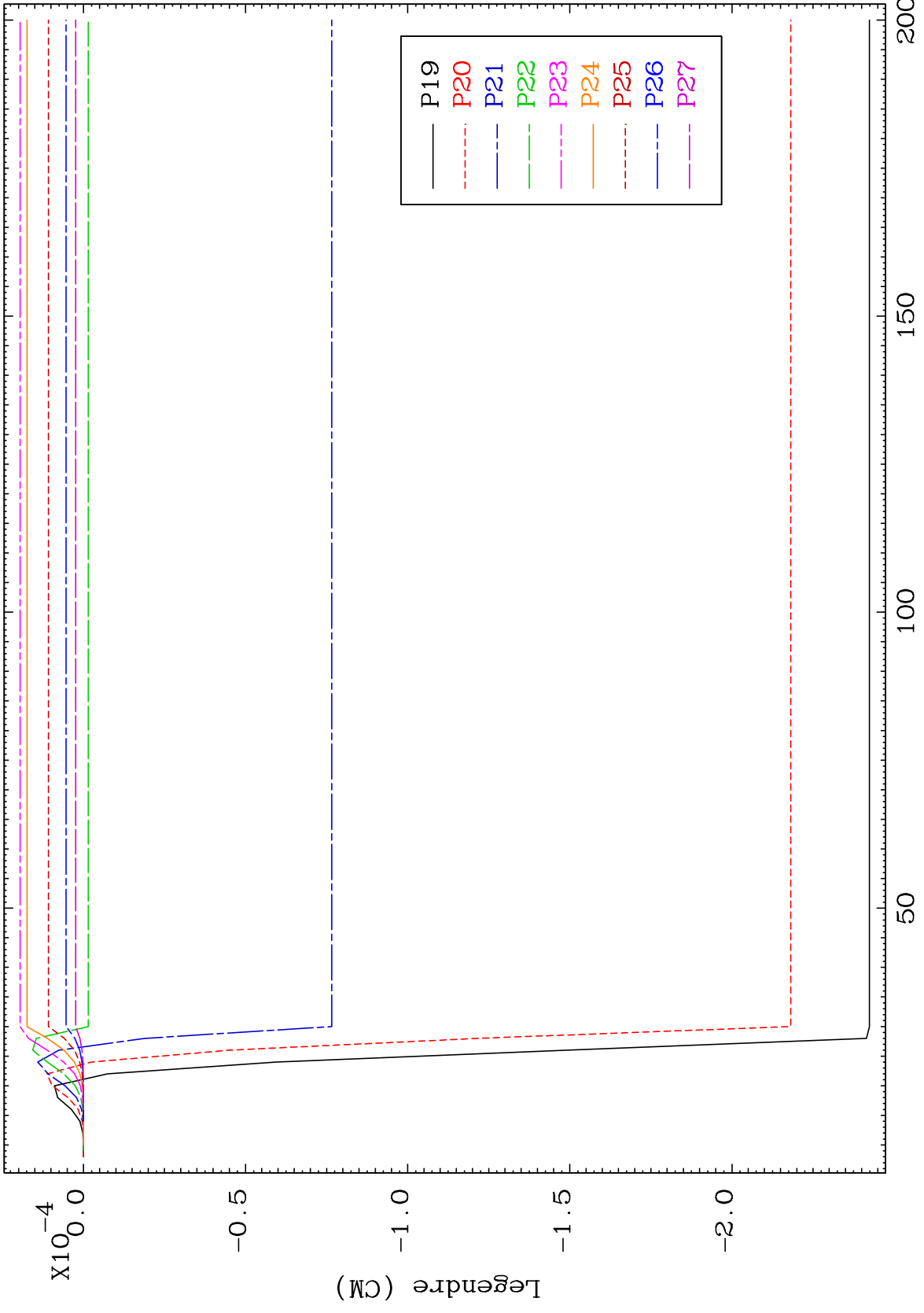


73

Incident Energy (MeV)

70-Yb-155

MAT 6986 MT= 64 (n,n') Level Legendre Coefficients 70-Yb-155

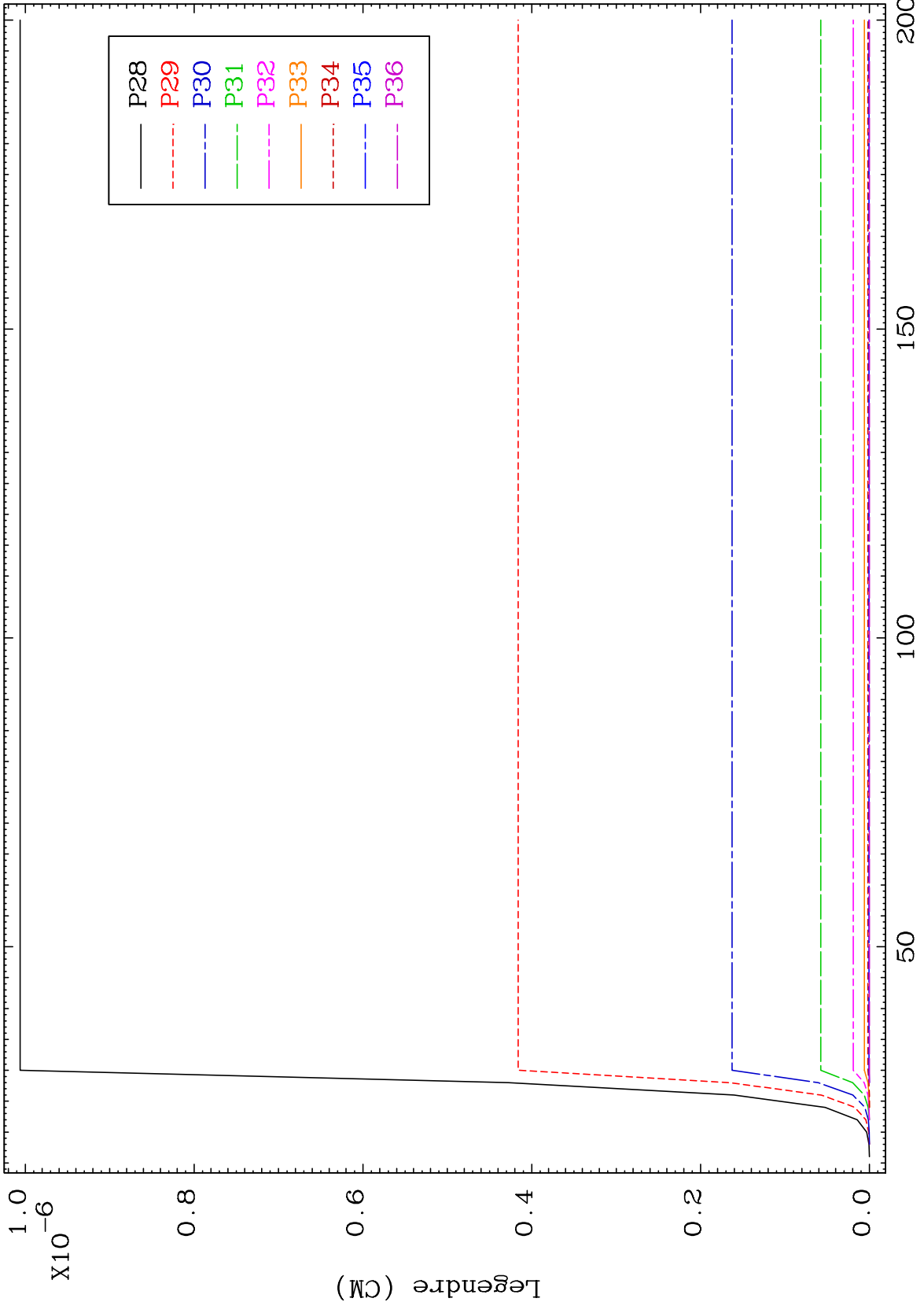


74 Incident Energy (MeV) 70-Yb-155

MAT 6986

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

70-Yb-155

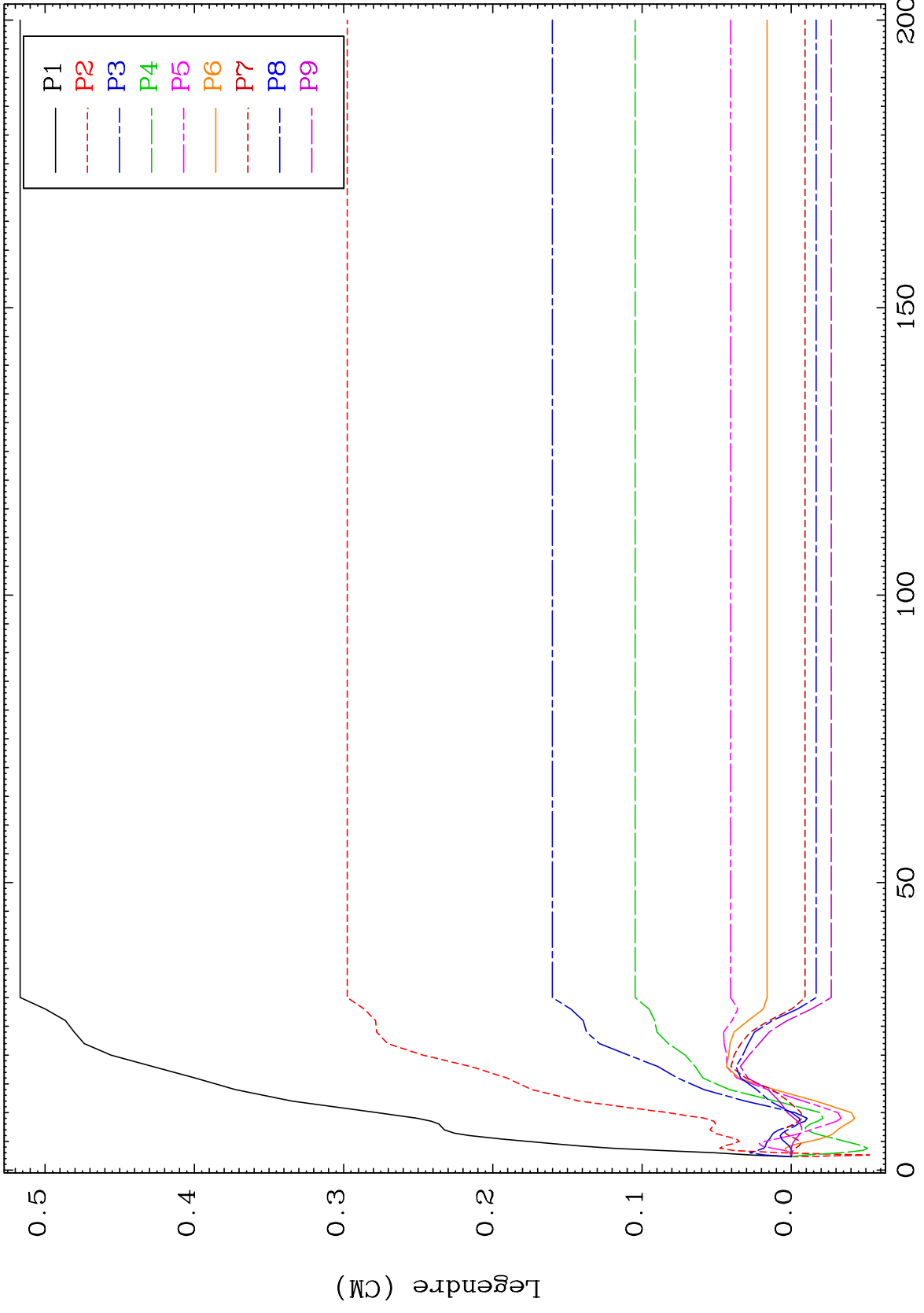


75

Incident Energy (MeV)

70-Yb-155

MAT 6986 MT= 65 (n,n') Level Legendre Coefficients 70-Yb-155

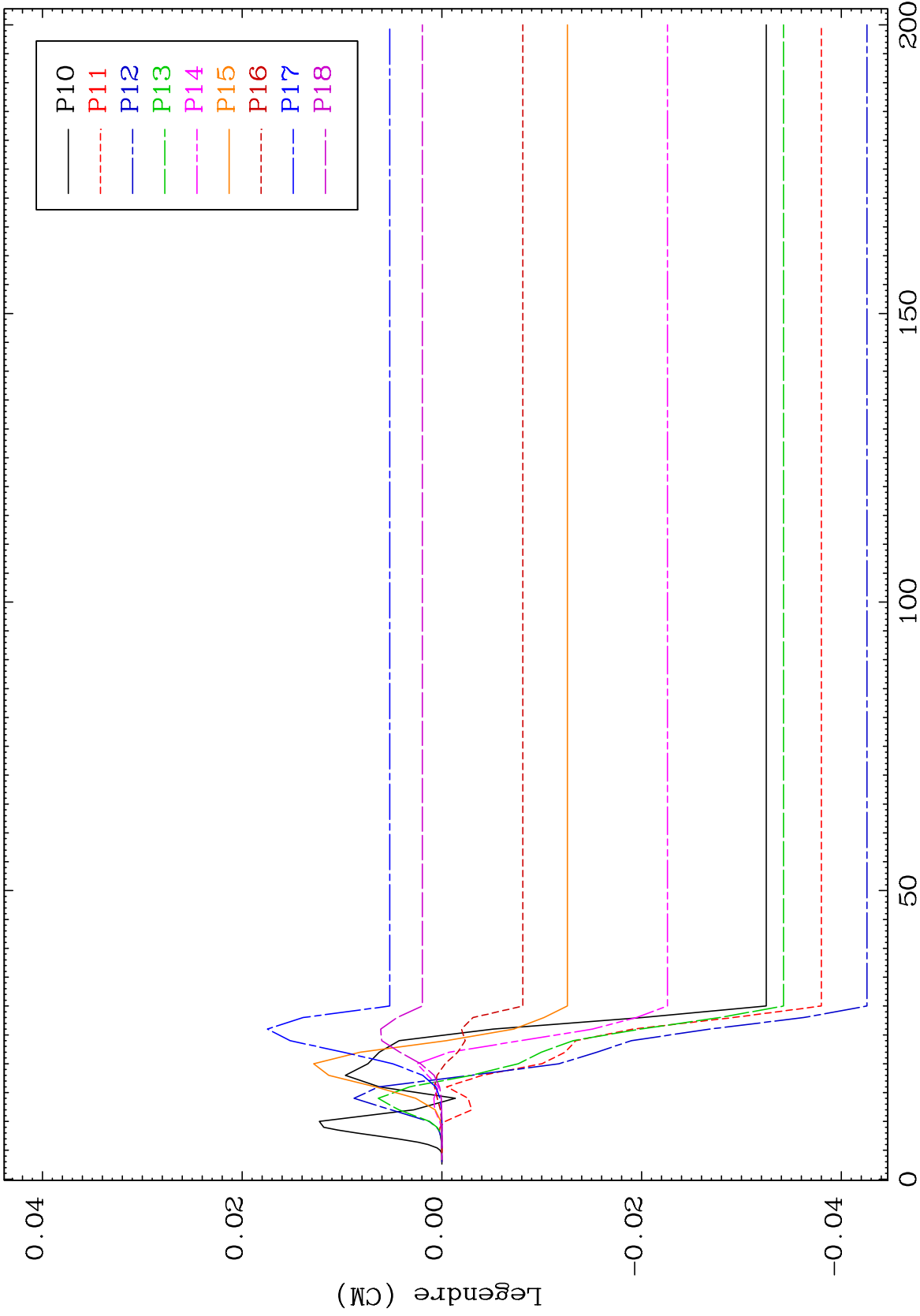


76 Incident Energy (MeV) 70-Yb-155

MAT 6986

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

70-Yb-155



77

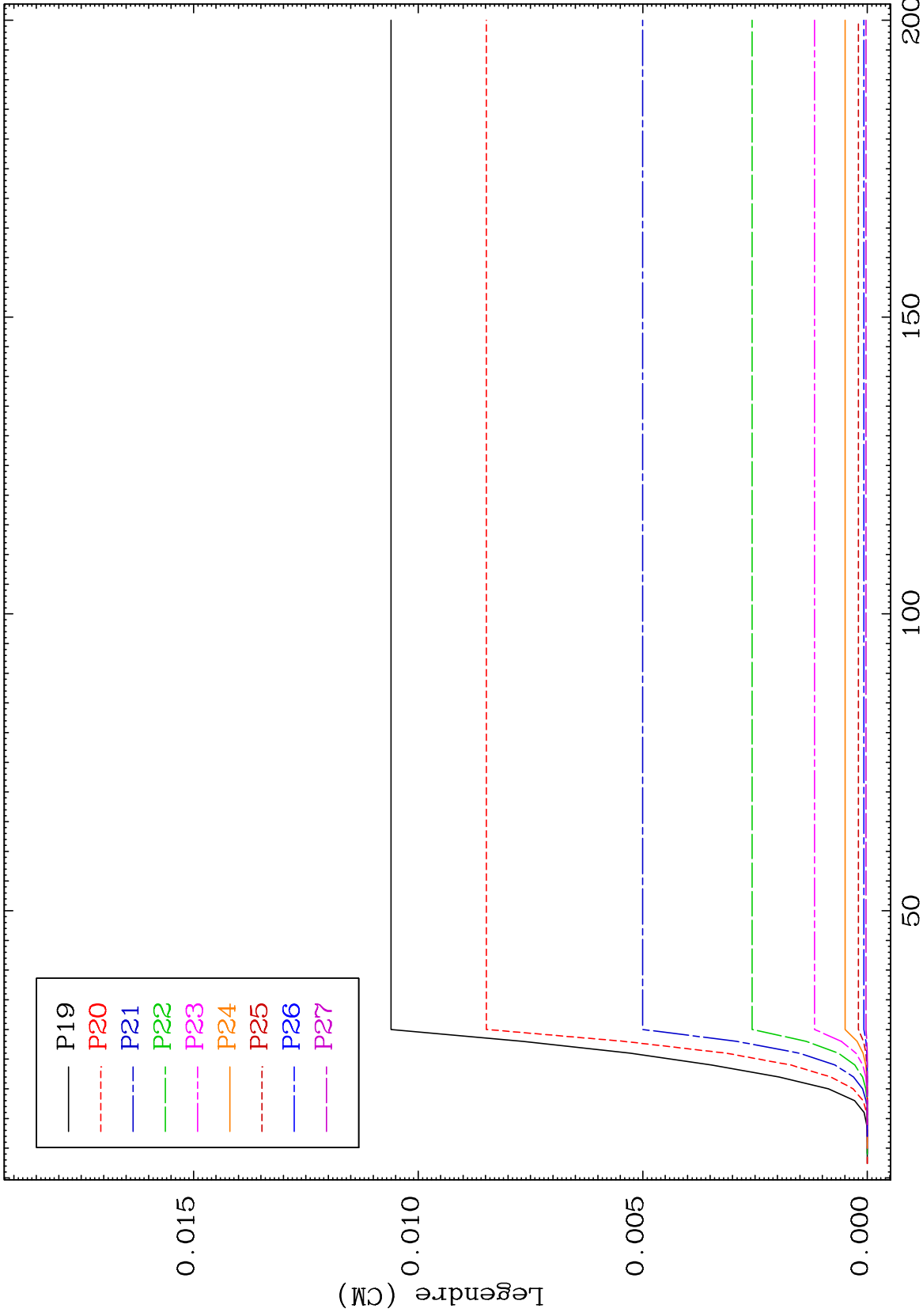
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



78

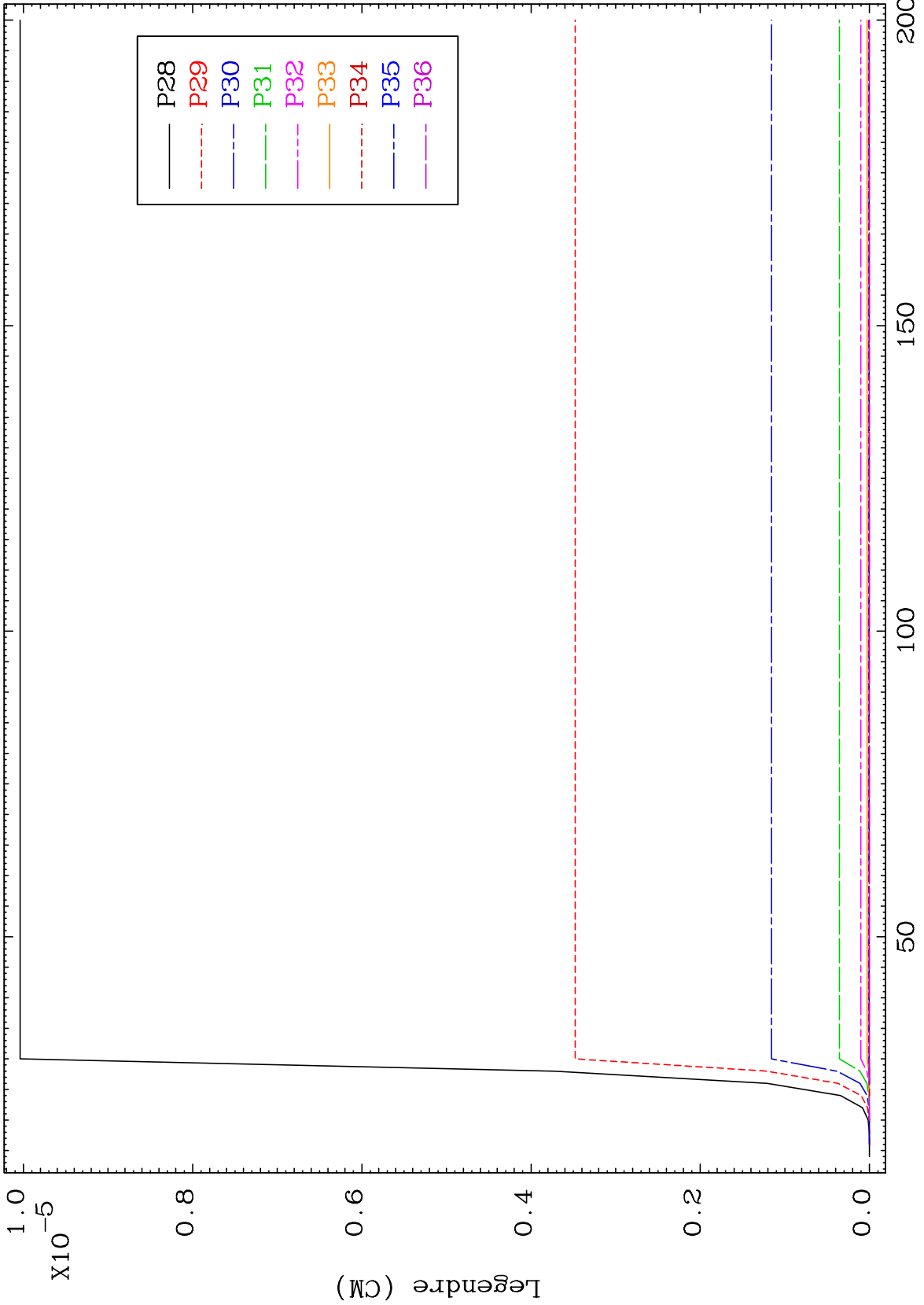
Incident Energy (MeV)

70-Yb-155

MAT 6986

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

70-Yb-155



79

Incident Energy (MeV)

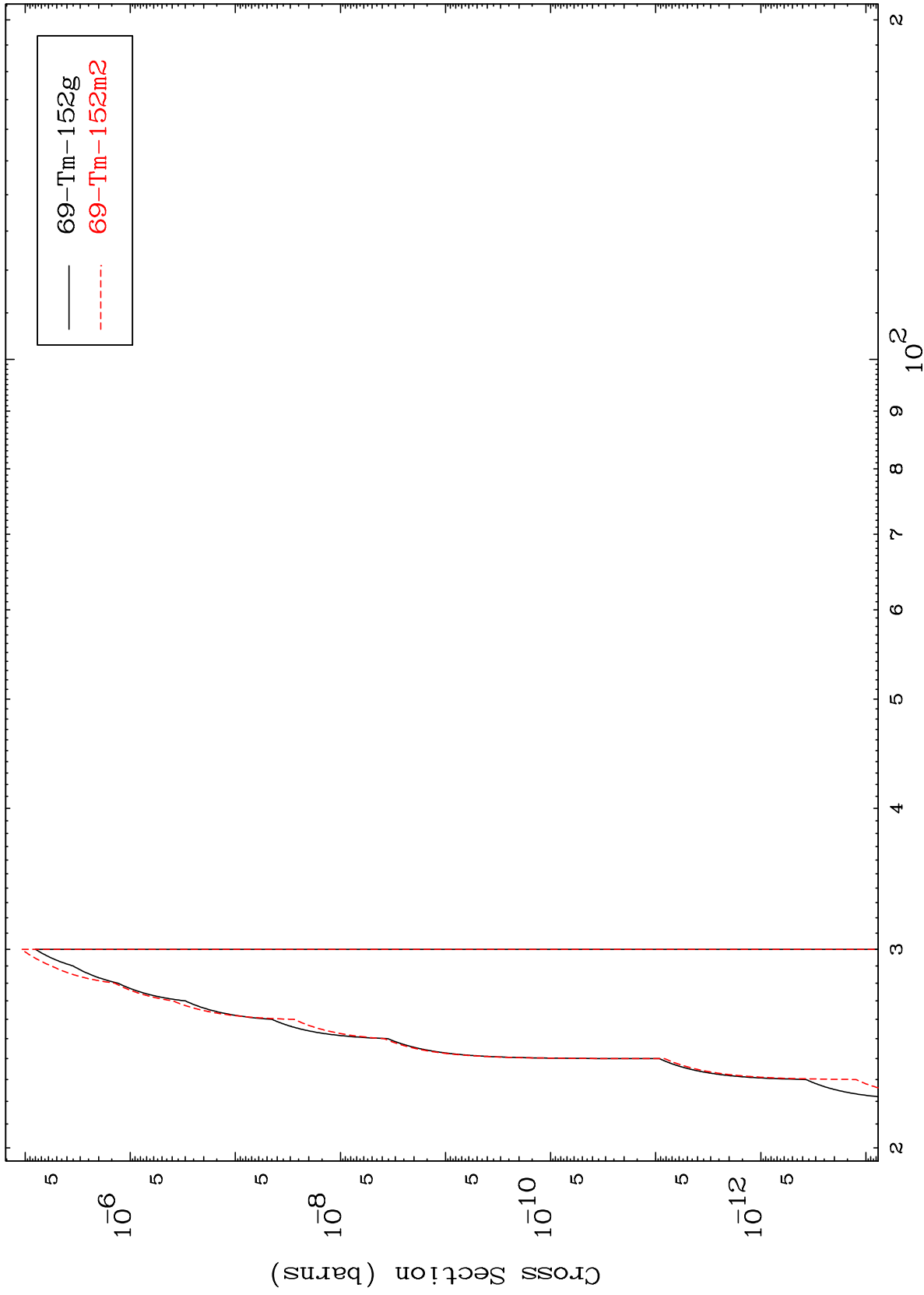
70-Yb-155

MAT 6986

(n,2n) d

70-Yb-155

Radionuclide Production Cross Section



80

Incident Energy (MeV)

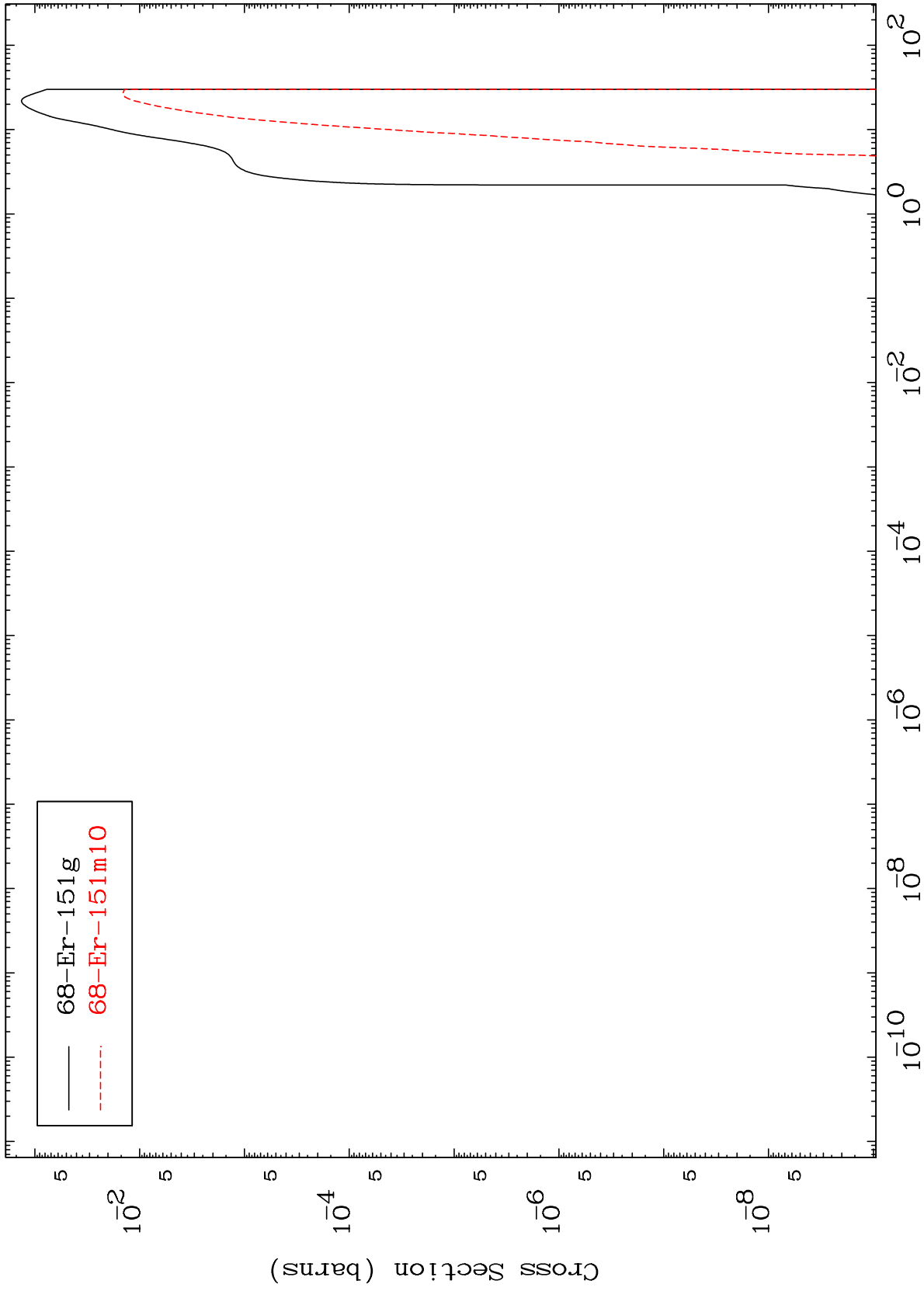
70-Yb-155

MAT 6986

(n,n') α

70-Yb-155

Radionuclide Production Cross Section



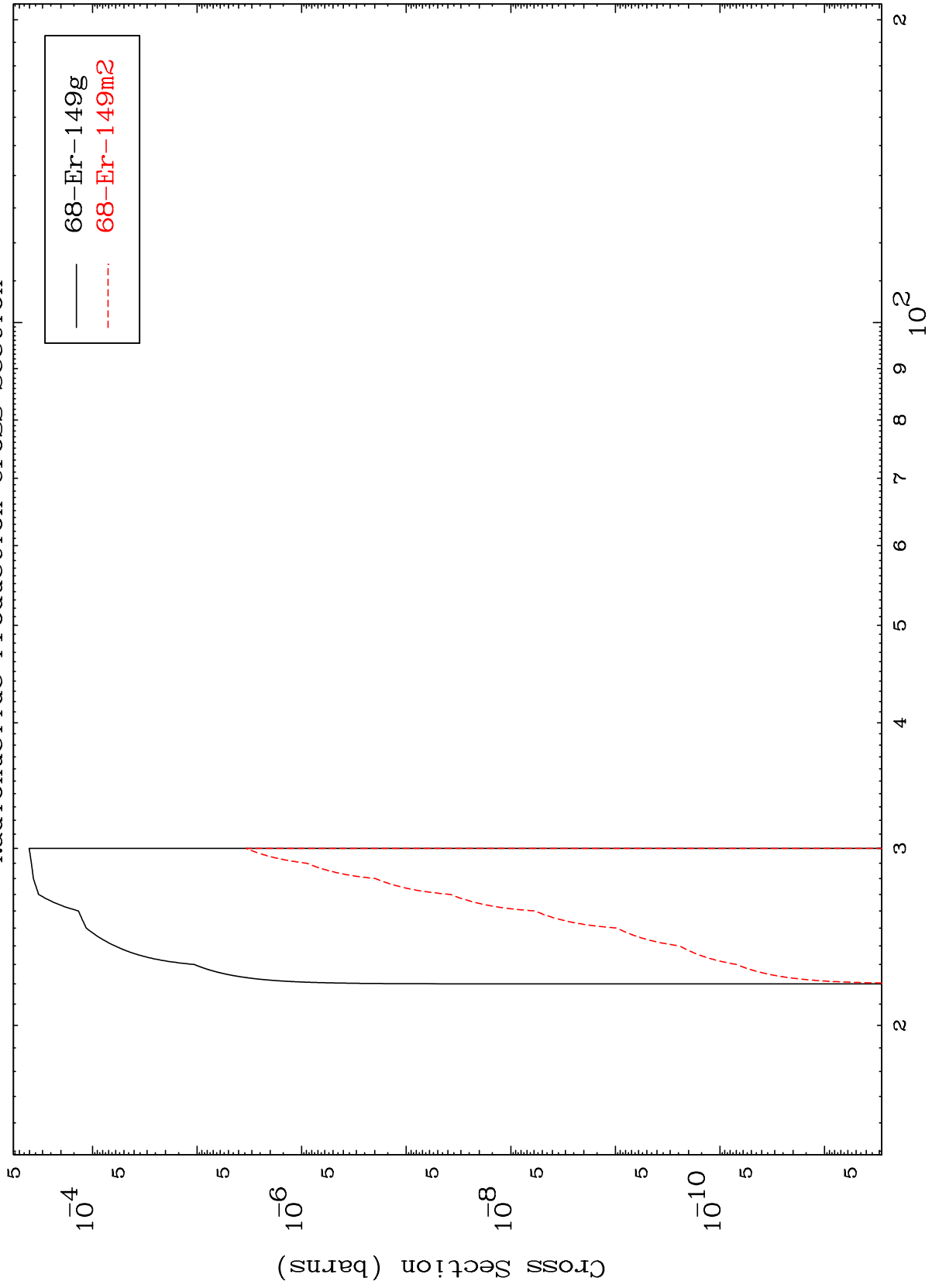
68-Er-151g
68-Er-151m10

MAT 6986

(n,3n) α

70-Yb-155

Radionuclide Production Cross Section



82

Incident Energy (MeV)

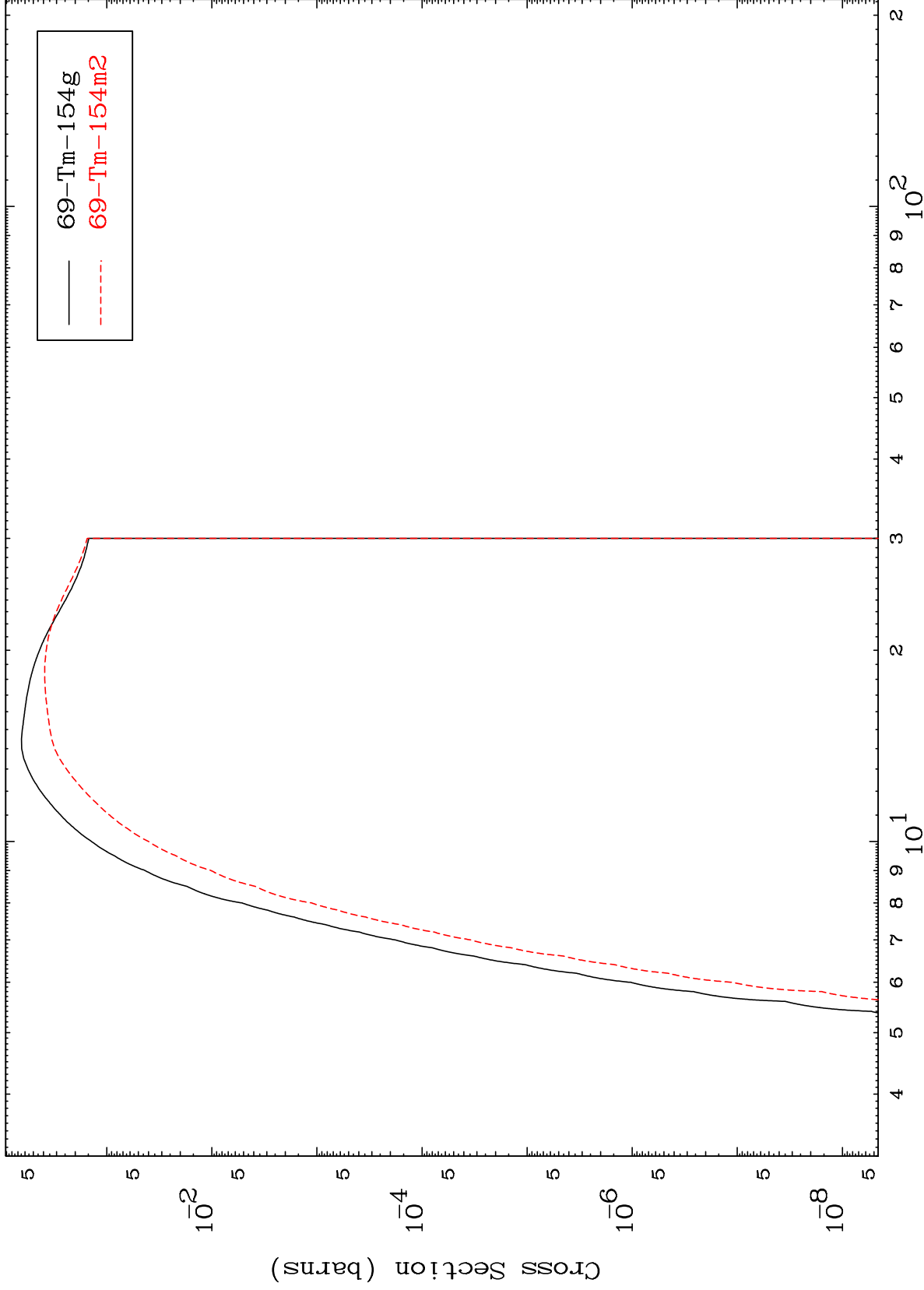
70-Yb-155

MAT 6986

(n,n') p

70-Yb-155

Radionuclide Production Cross Section



83

Incident Energy (MeV)

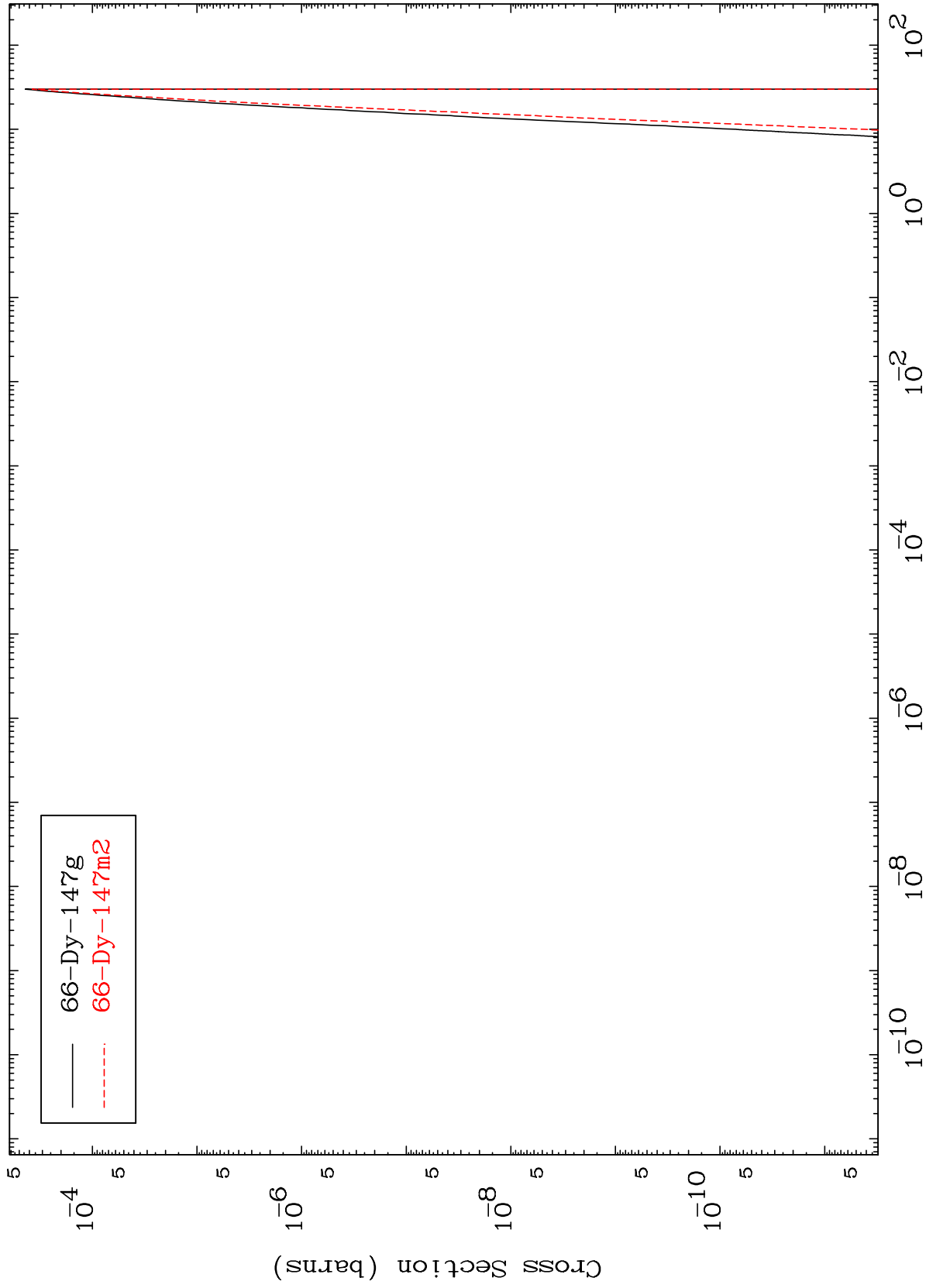
70-Yb-155

MAT 6986

(n,n') 2 α

70-Yb-155

Radionuclide Production Cross Section

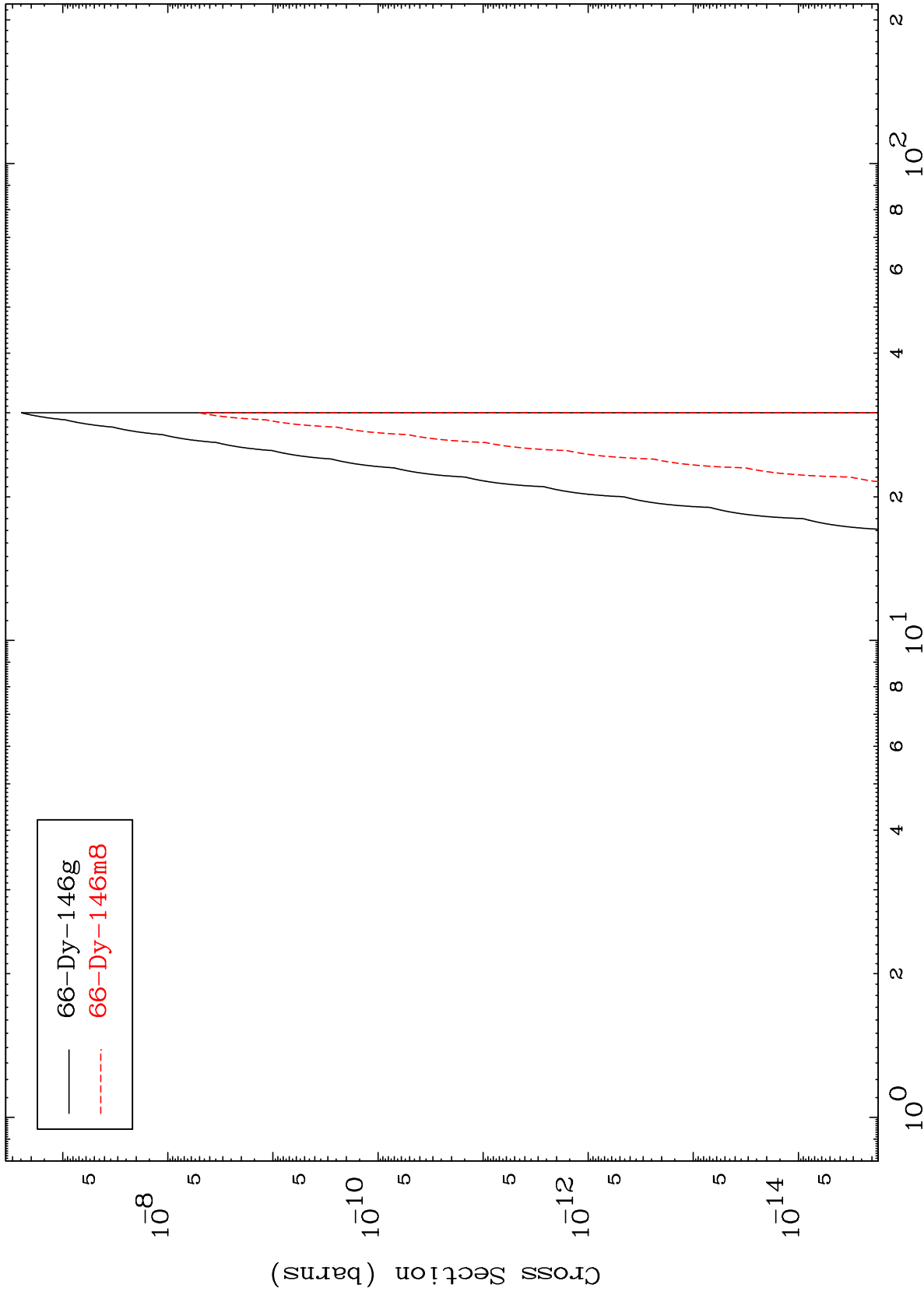


MAT 6986

(n,2n) 2 α

70-Yb-155

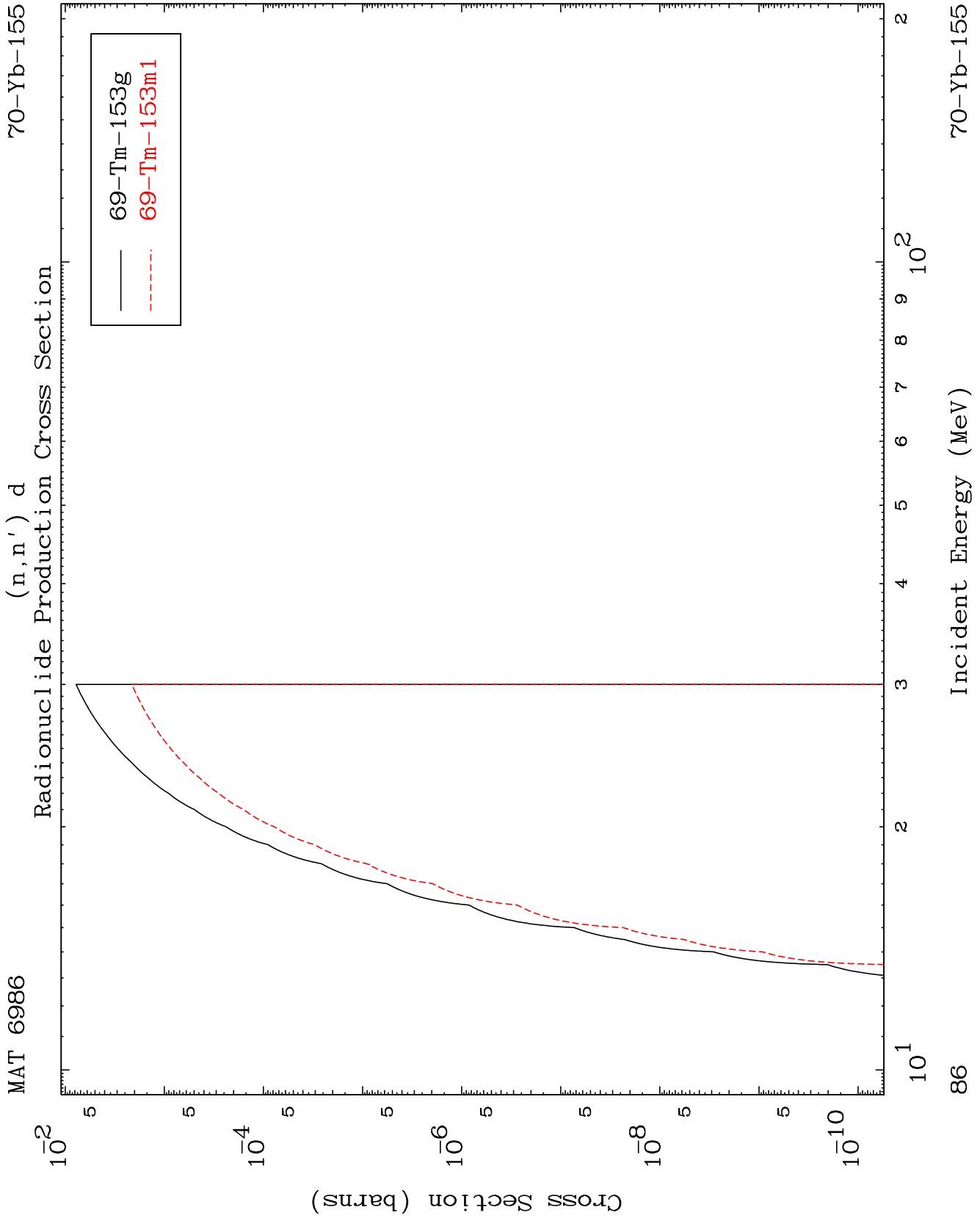
Radionuclide Production Cross Section



85

Incident Energy (MeV)

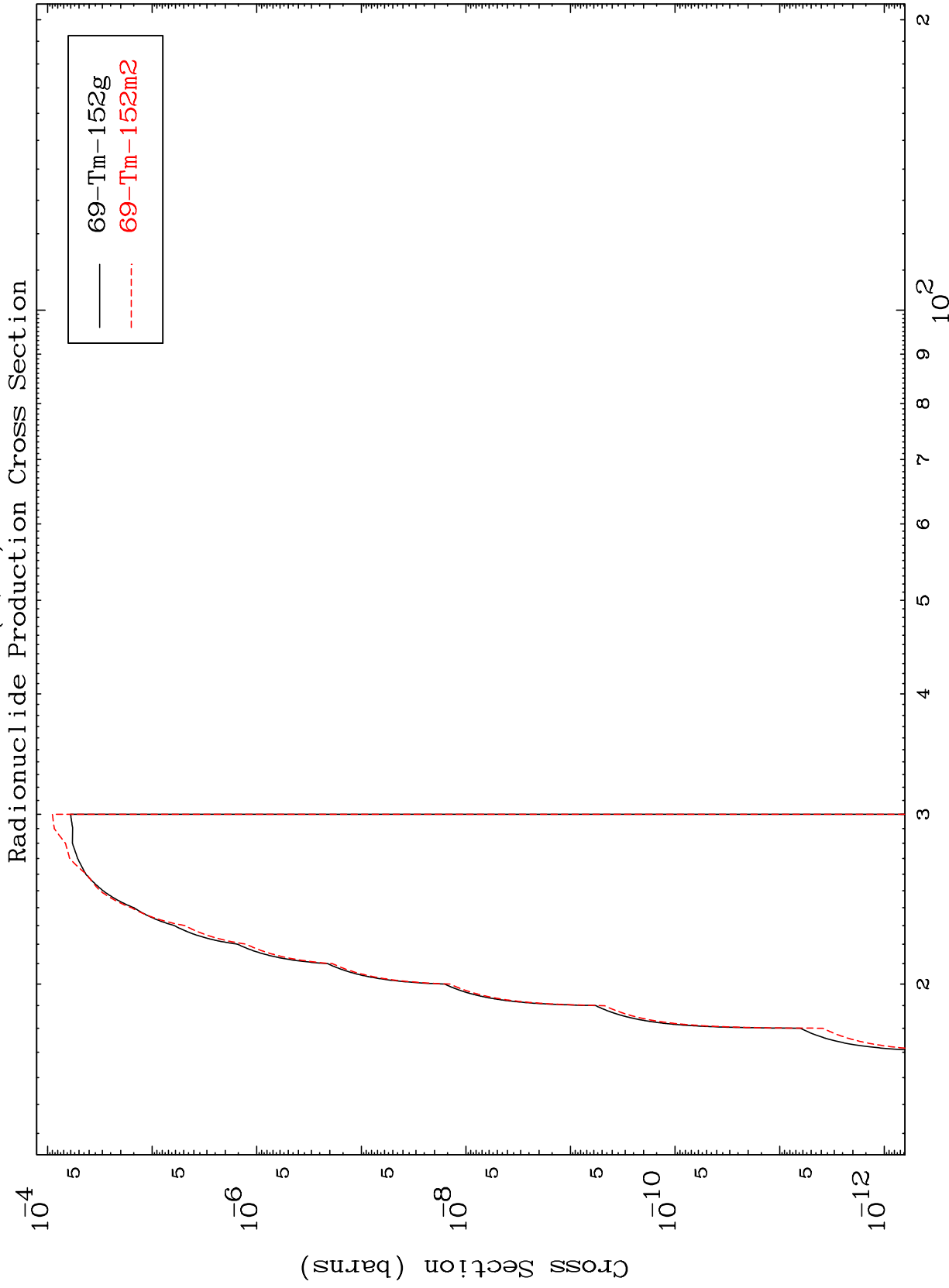
70-Yb-155



MAT 6986

(n,n') t

70-Yb-155



87

Incident Energy (MeV)

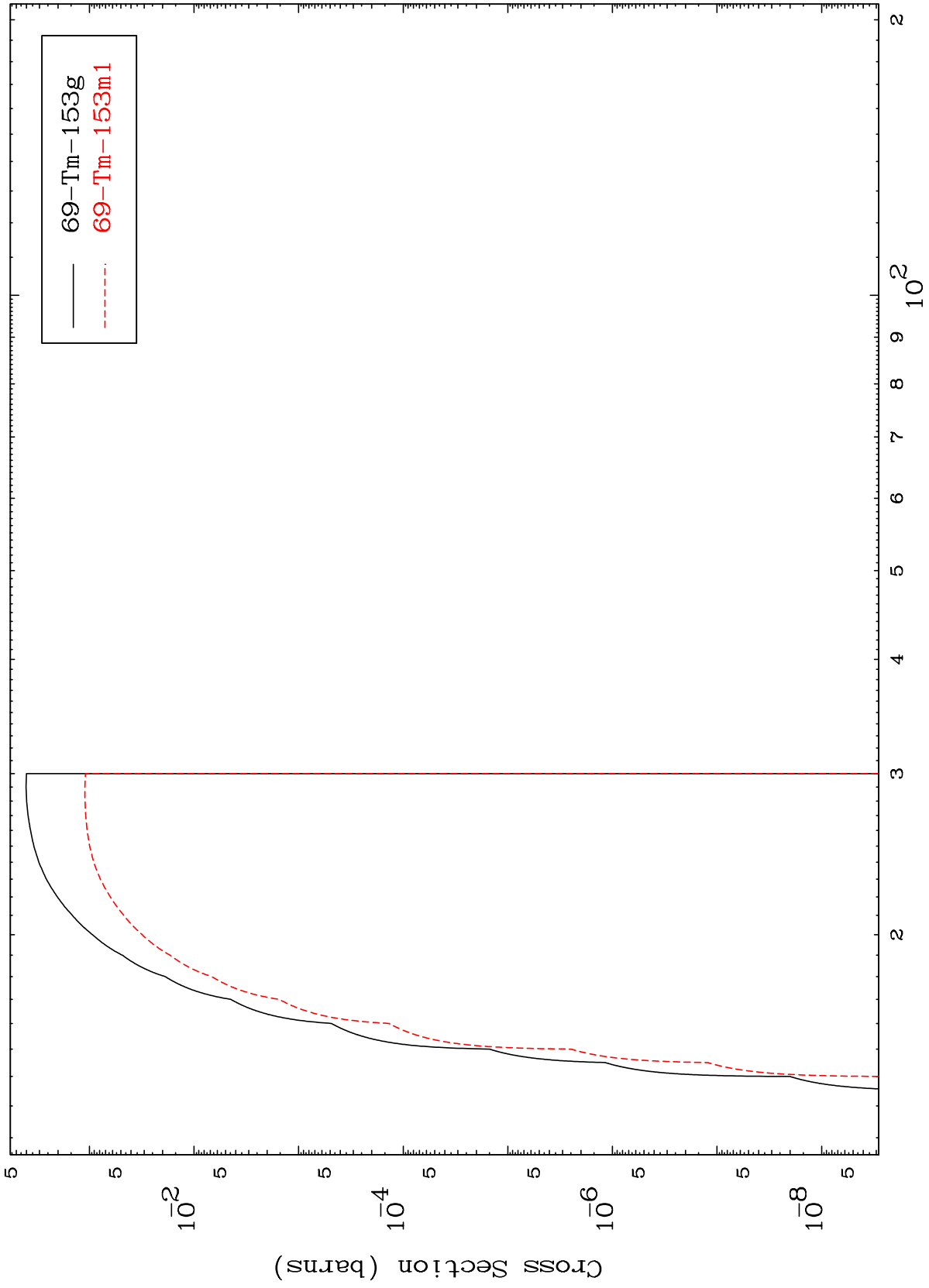
70-Yb-155

MAT 6986

(n,2n) p

70-Yb-155

Radionuclide Production Cross Section



88

Incident Energy (MeV)

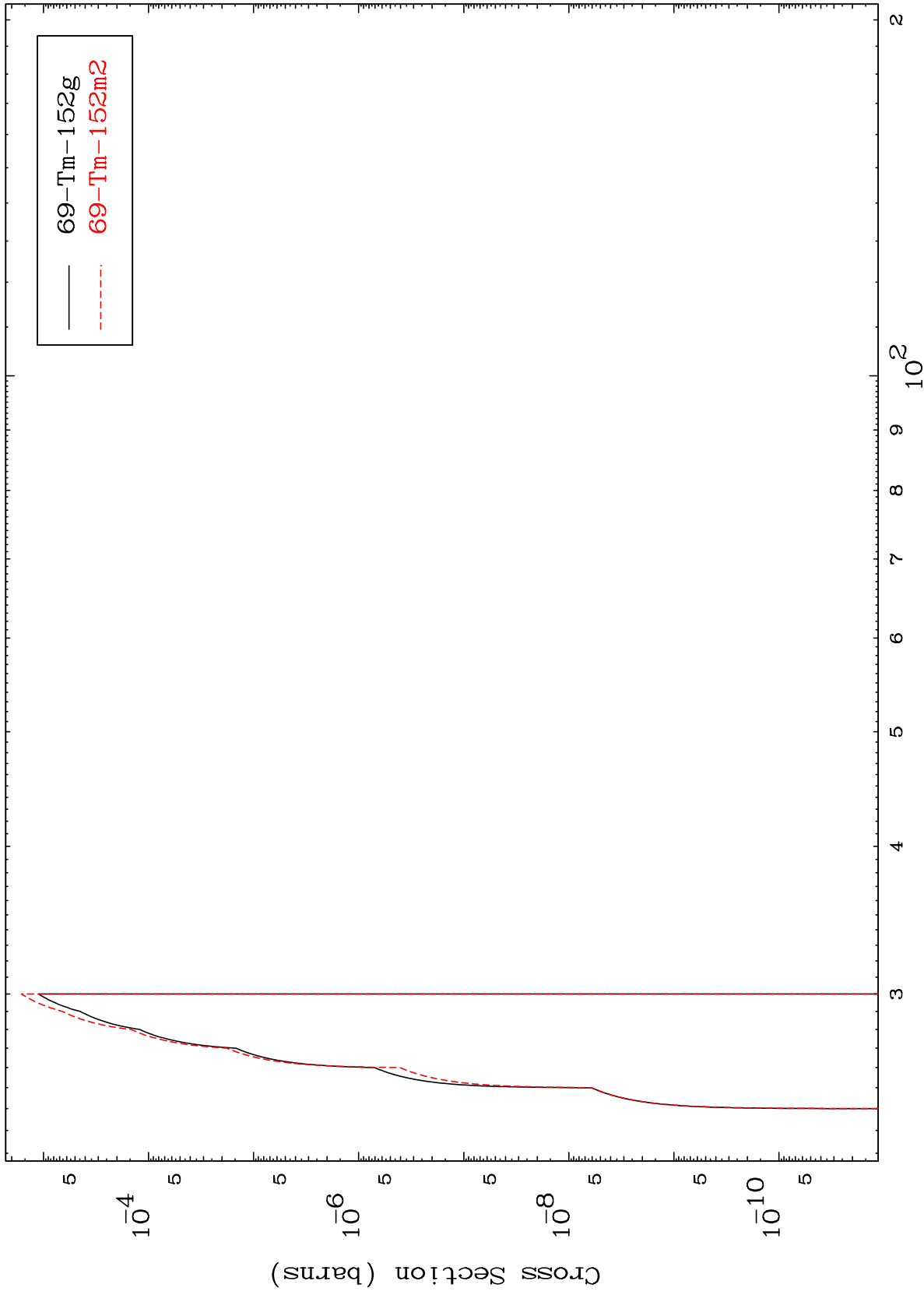
70-Yb-155

MAT 6986

(n,3n) p

70-Yb-155

Radionuclide Production Cross Section



89

Incident Energy (MeV)

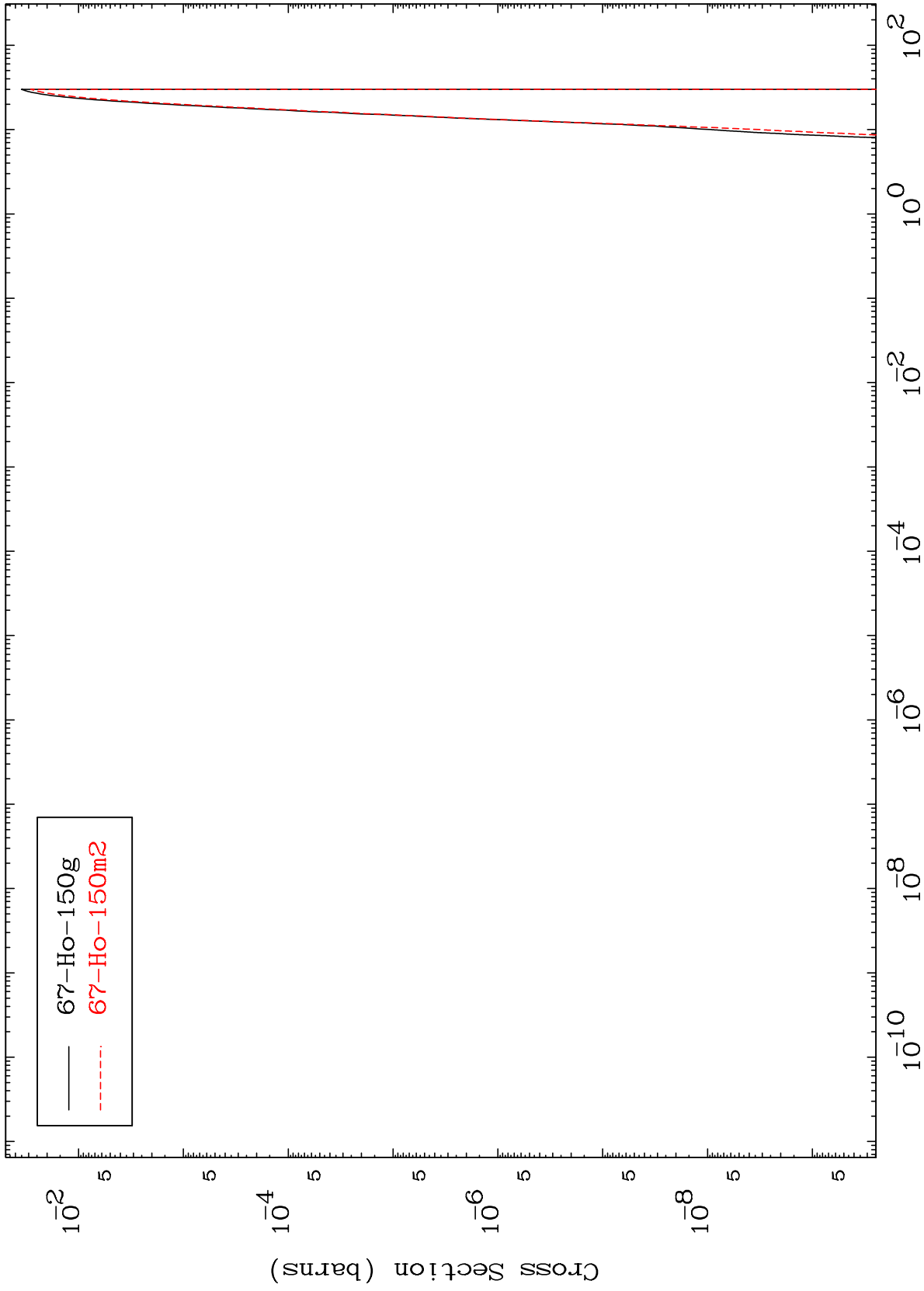
70-Yb-155

MAT 6986

(n,n') p α

70-Yb-155

Radionuclide Production Cross Section



90

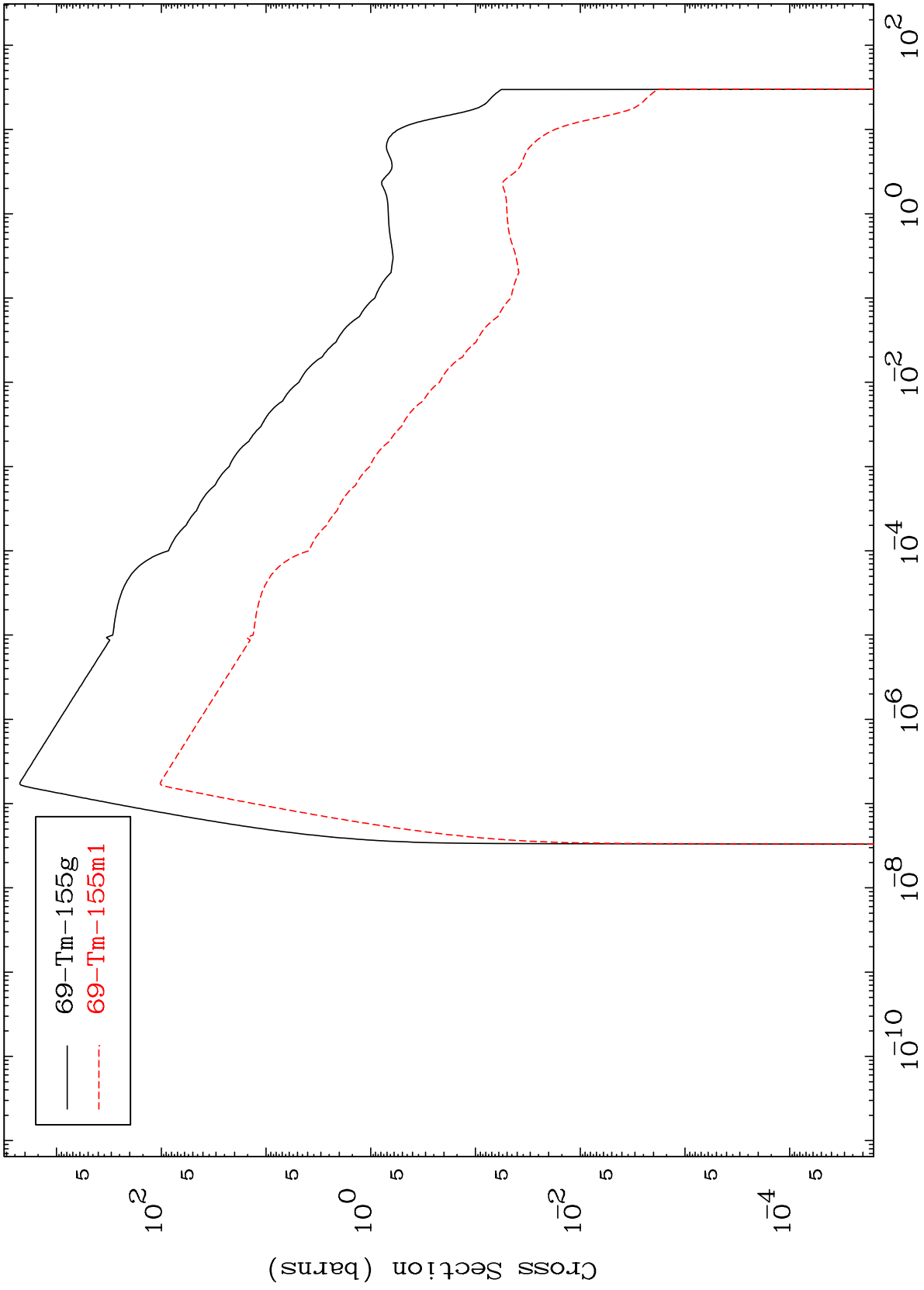
Incident Energy (MeV)

70-Yb-155

MAT 6986

Radionuclide Production Cross Section
(n,p)

70-Yb-155



91

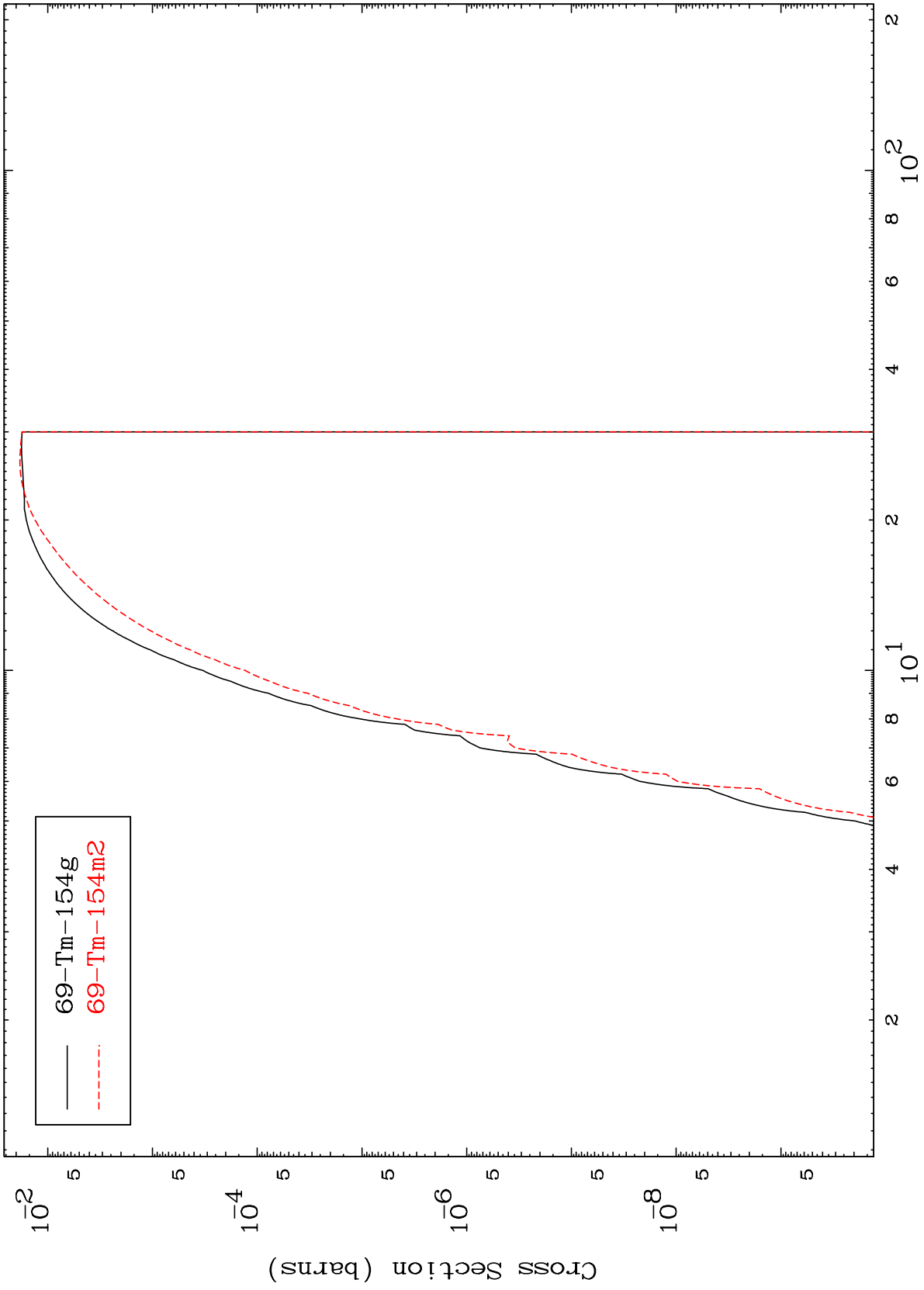
Incident Energy (MeV)

70-Yb-155

MAT 6986

(n,d)
Radionuclide Production Cross Section

70-Yb-155



92

Incident Energy (MeV)

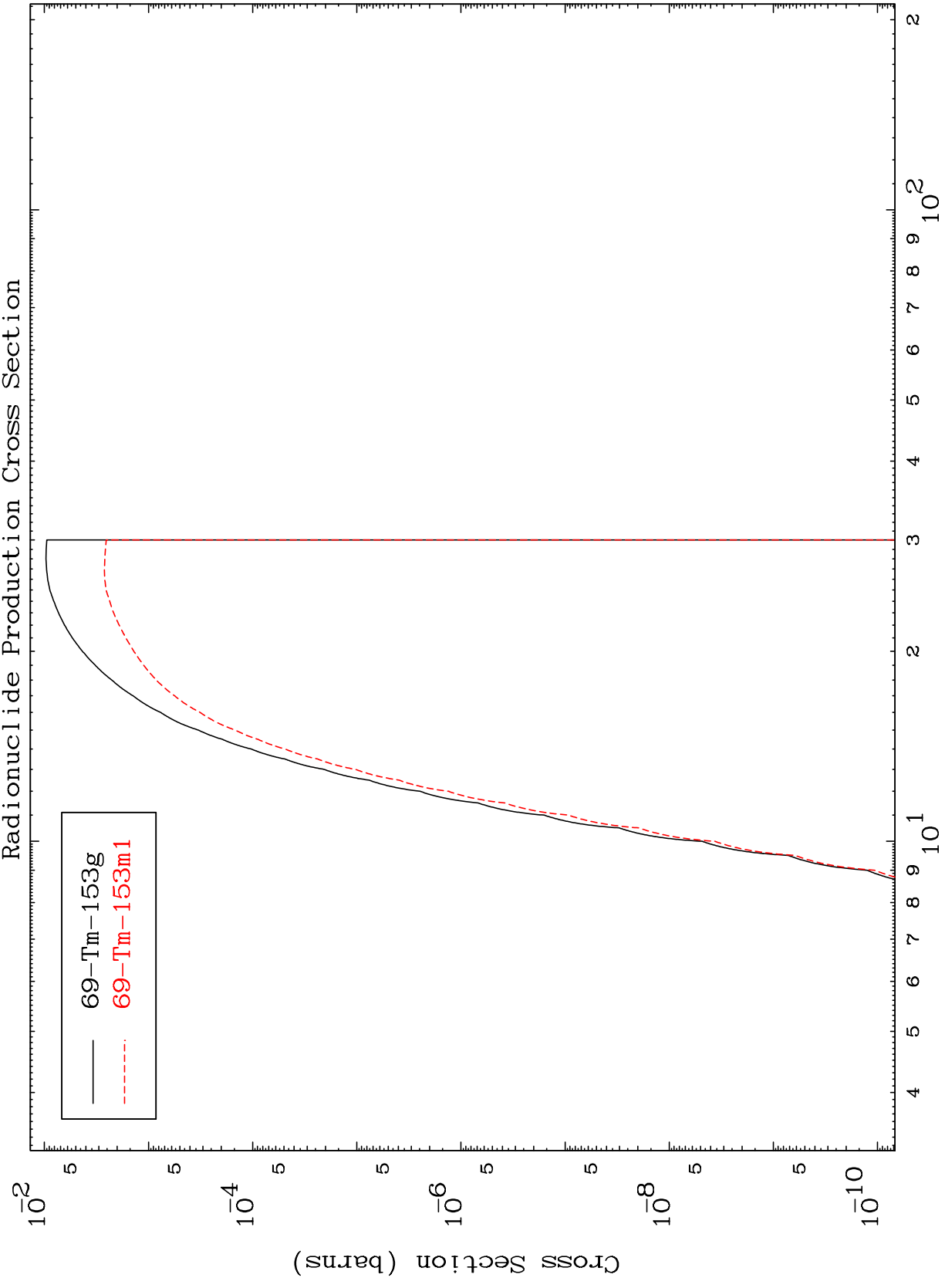
70-Yb-155

MAT 6986

(n, t)

70-Yb-155

Radionuclide Production Cross Section



69-Tm-153g
69-Tm-153m1

93

Incident Energy (MeV)

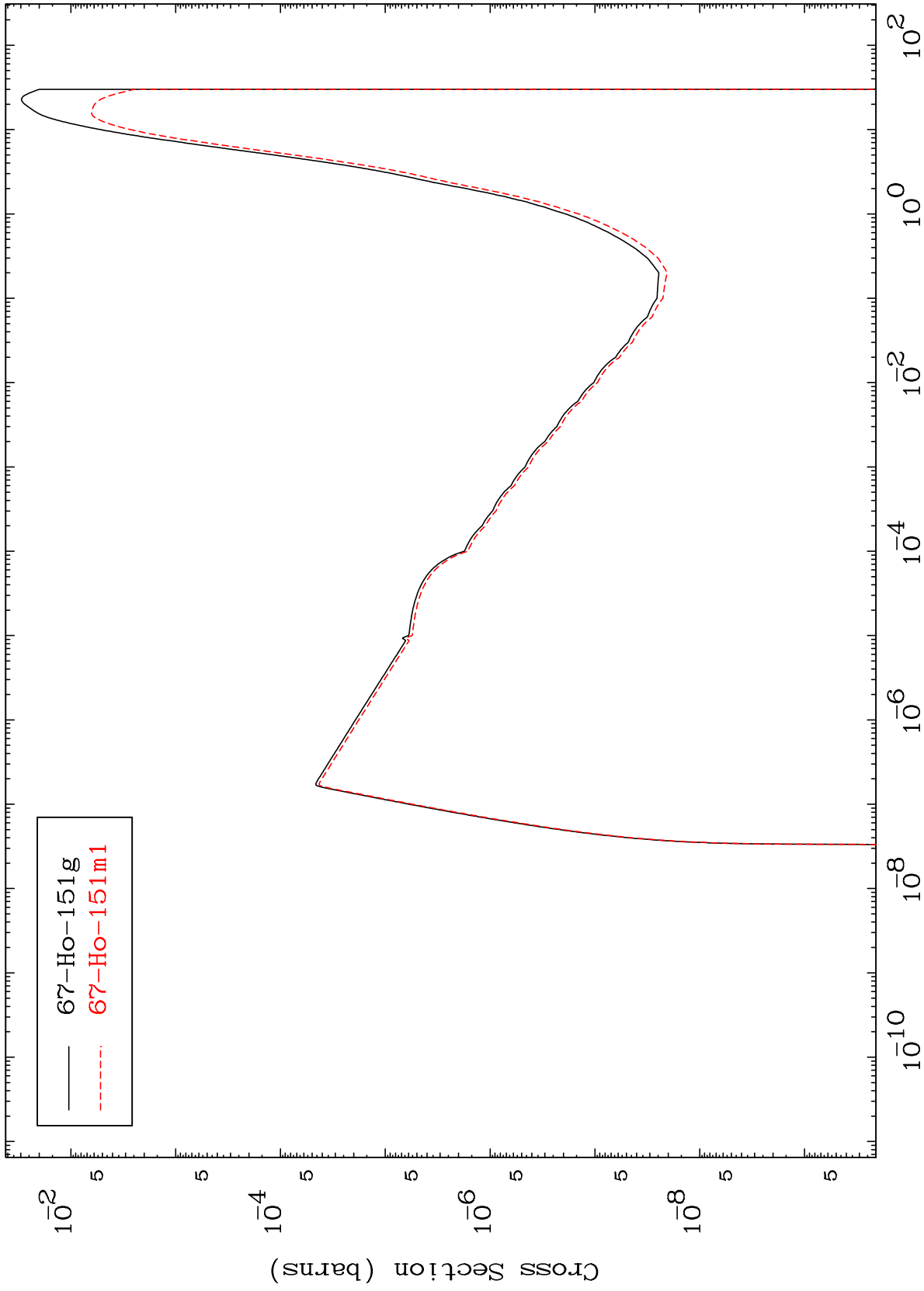
70-Yb-155

MAT 6986

(n,p) α

70-Yb-155

Radionuclide Production Cross Section



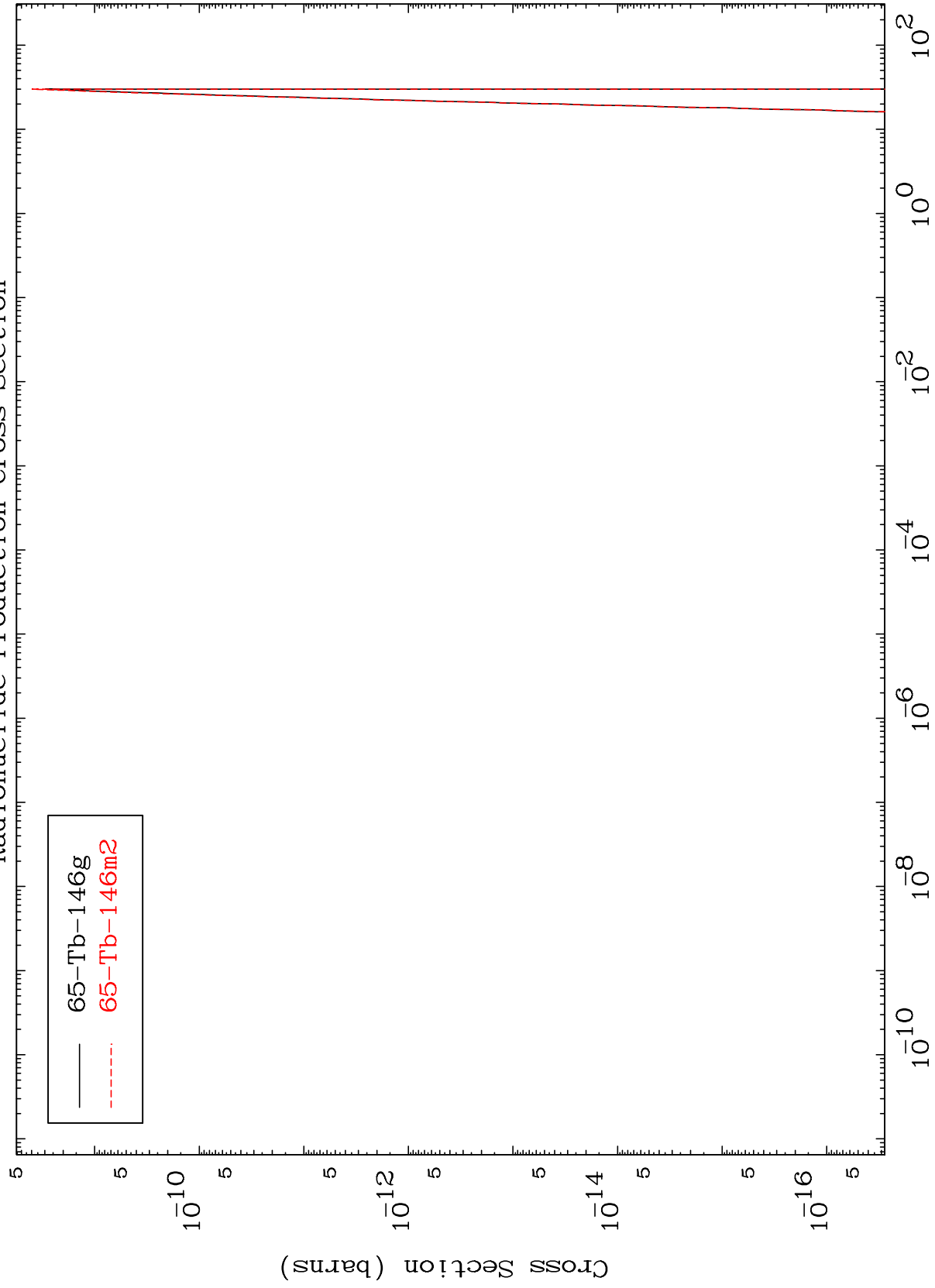
— 67-Ho-151g
- - - 67-Ho-151m1

MAT 6986

(n,d) 2α

$^{70}\text{Yb-155}$

Radionuclide Production Cross Section



95

Incident Energy (MeV)

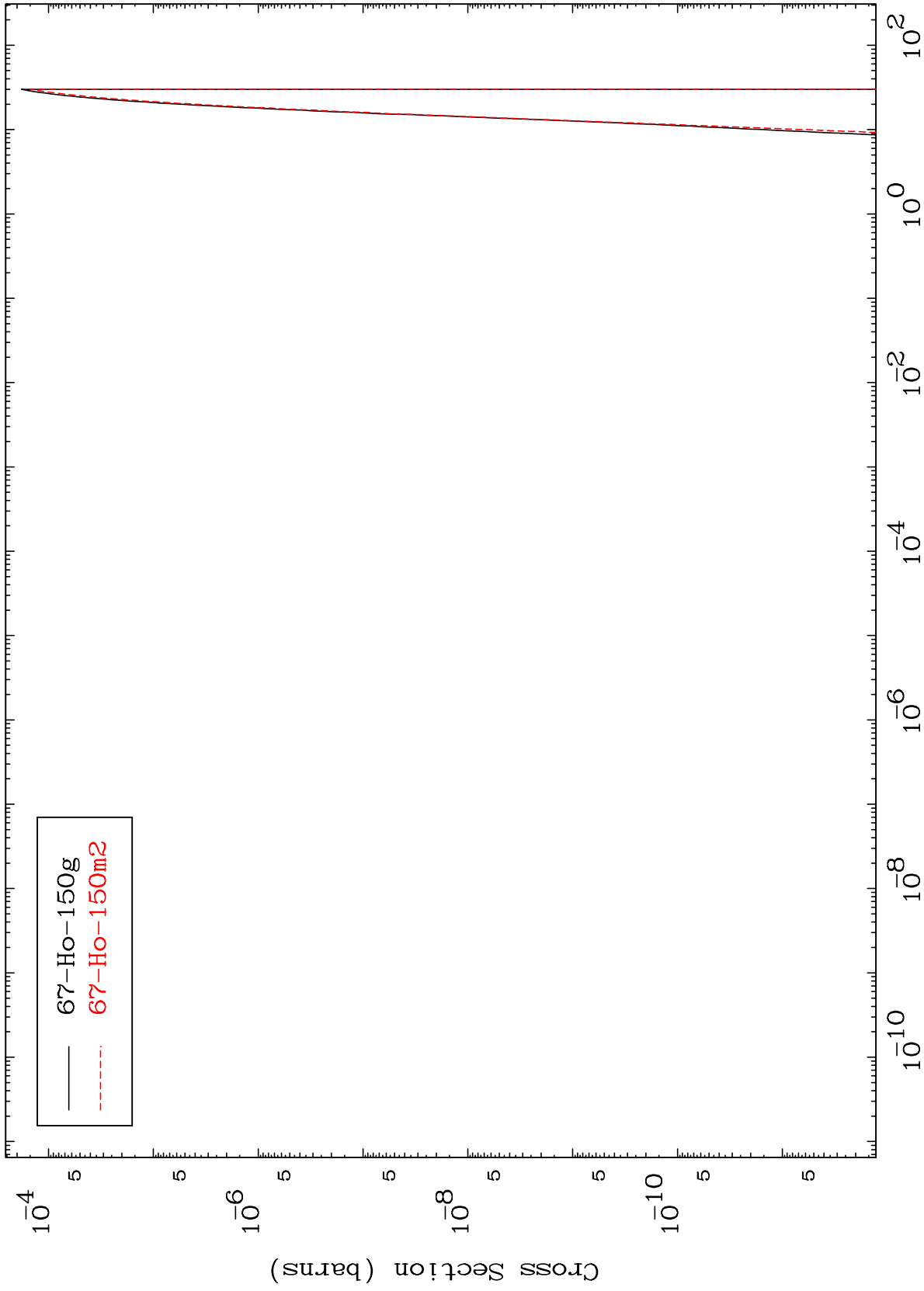
$^{70}\text{Yb-155}$

MAT 6986

(n,d) α

70-Yb-155

Radionuclide Production Cross Section



96

Incident Energy (MeV)

70-Yb-155