

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

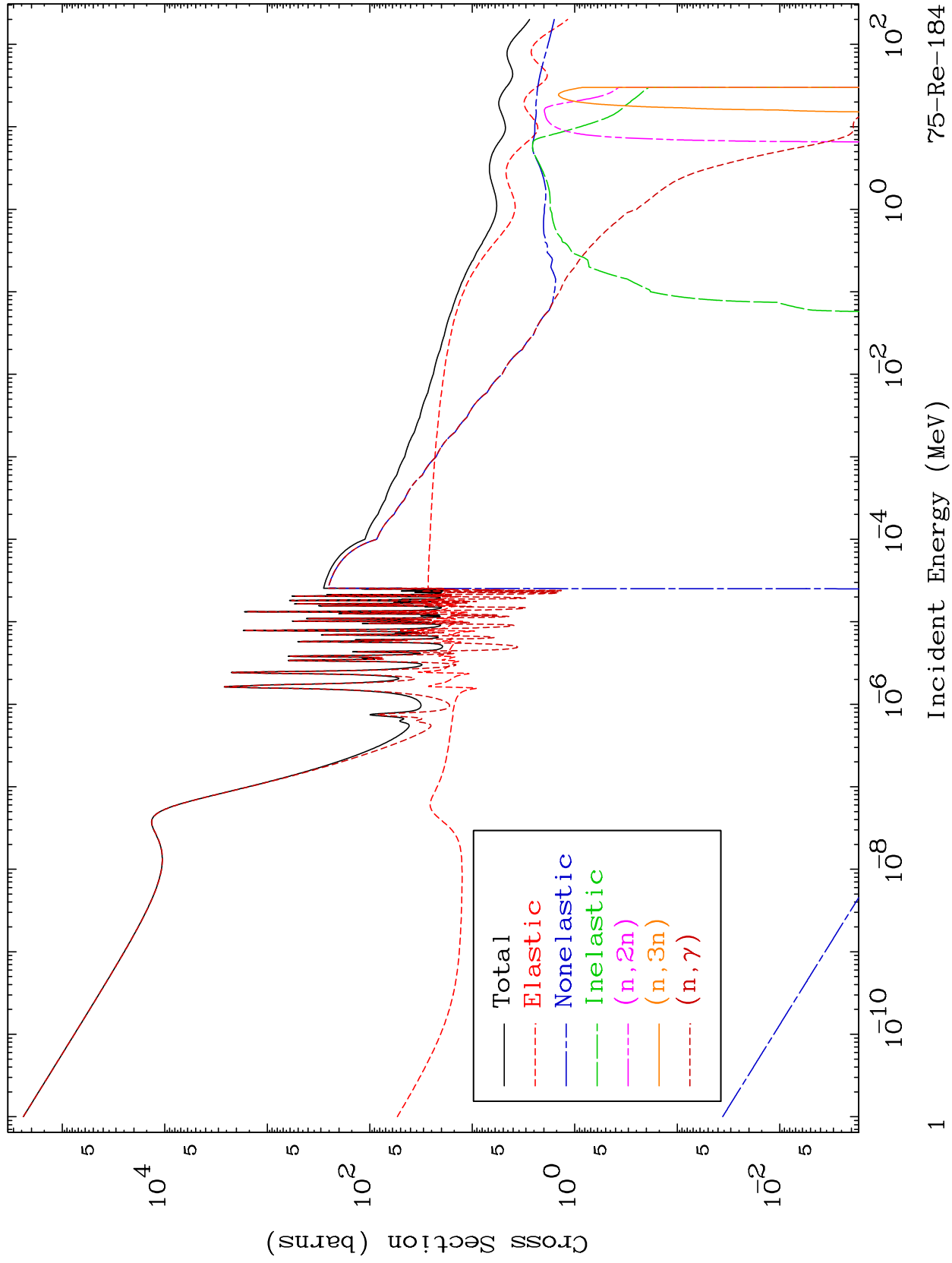
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7522

Neutron Major
293 Kelvin Cross Sections

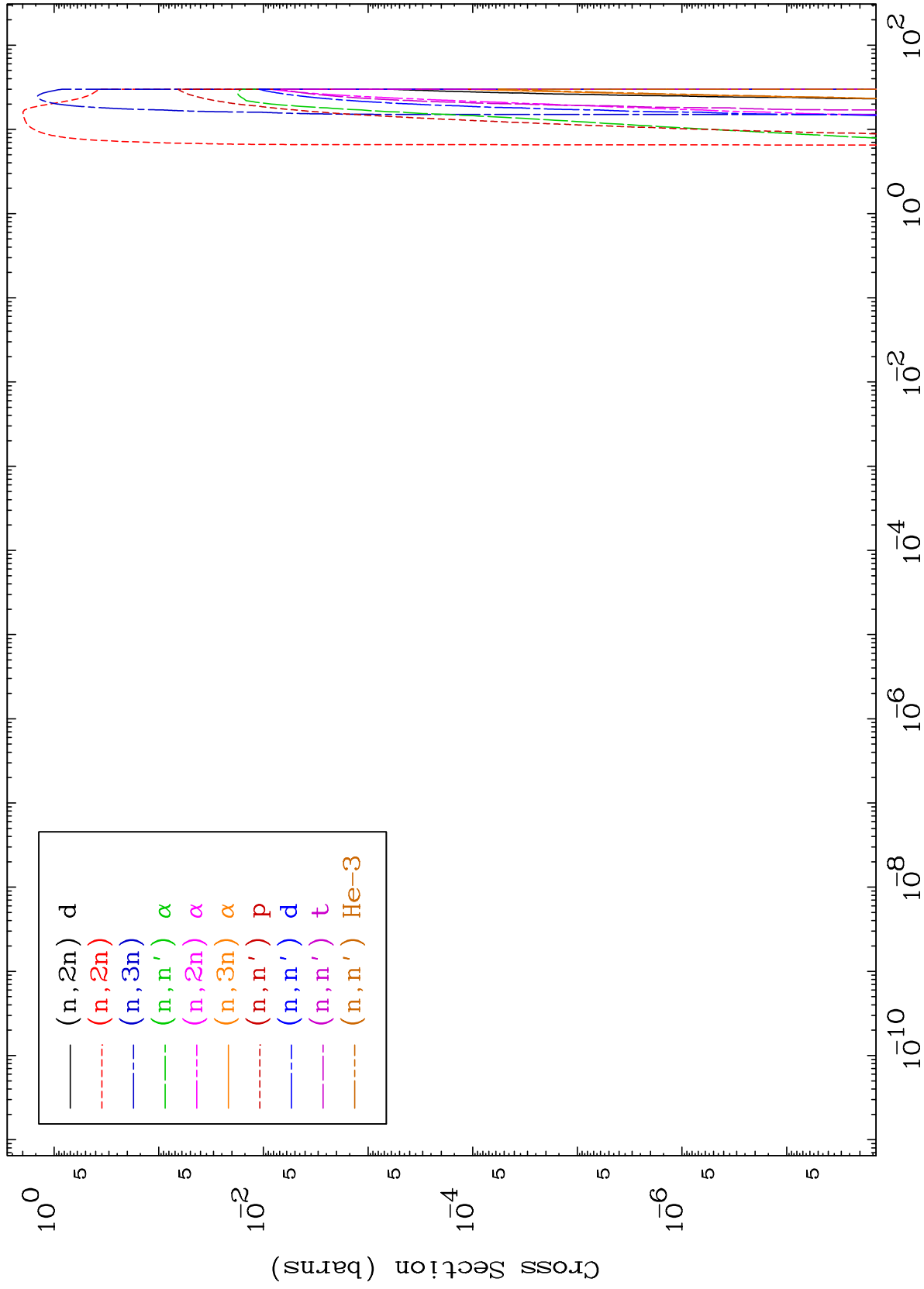
75-Re-184



MAT 7522

Neutron Absorption
293 Kelvin Cross Sections

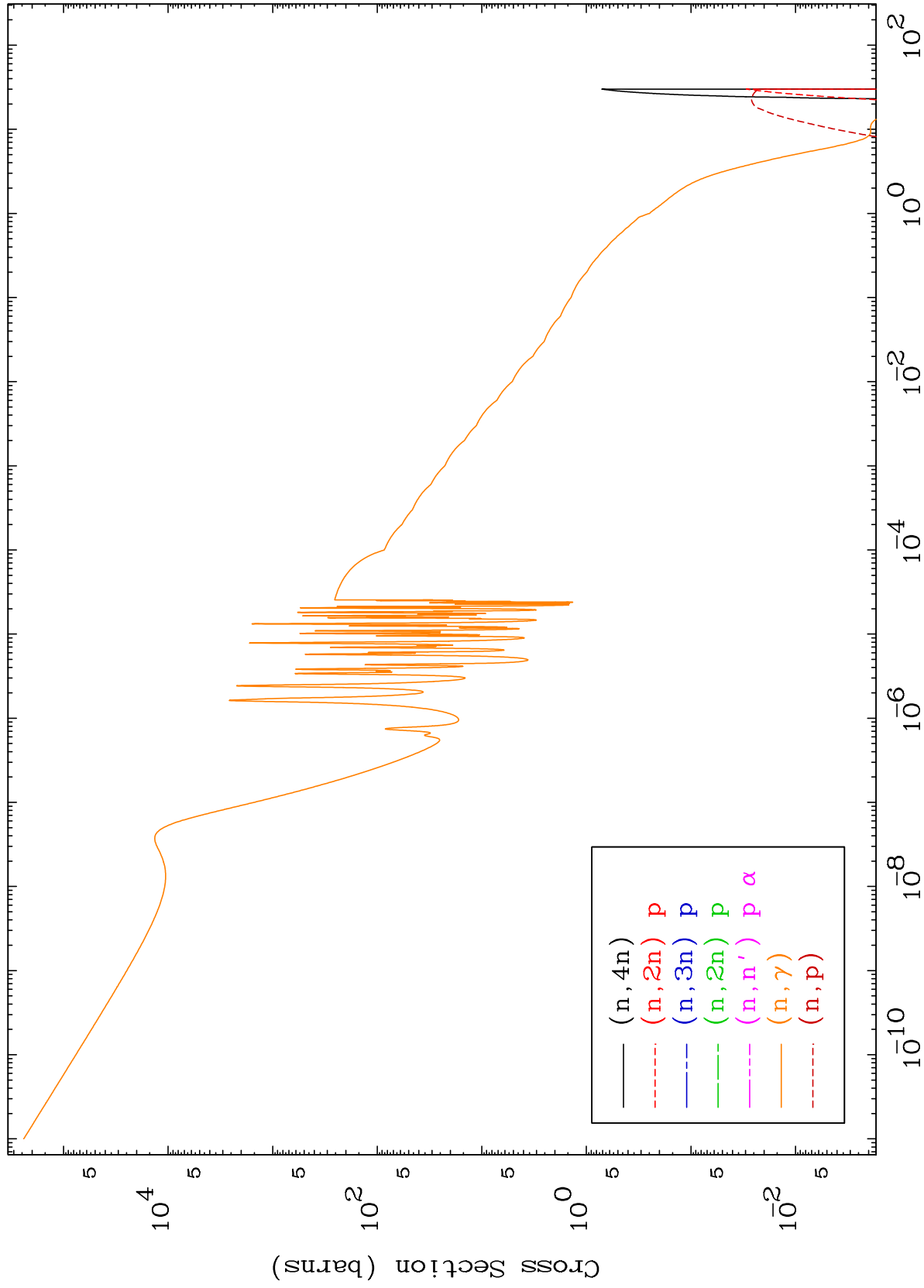
75-Re-184



2

Incident Energy (MeV)

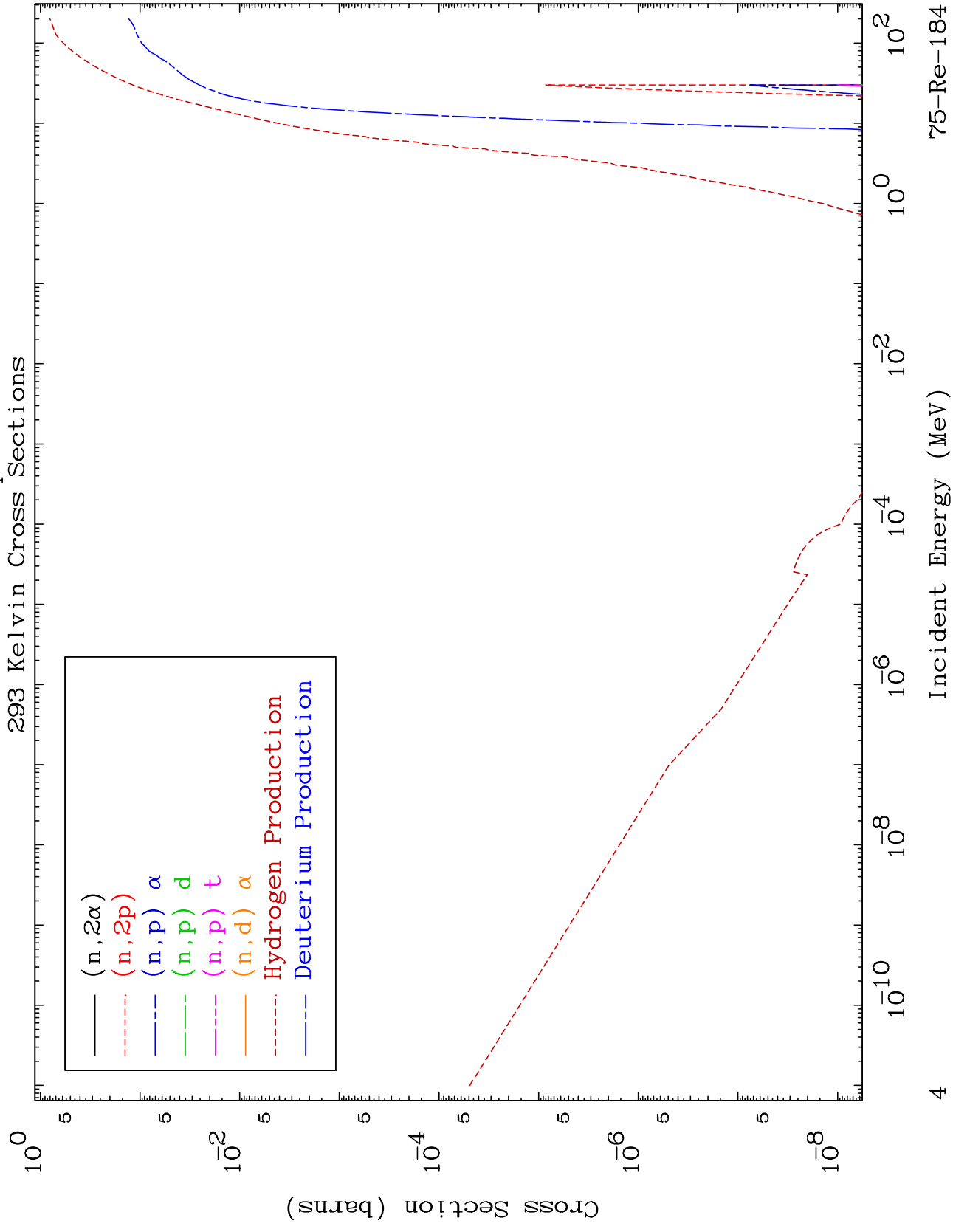
75-Re-184



MAT 7522

Neutron Absorption
293 Kelvin Cross Sections

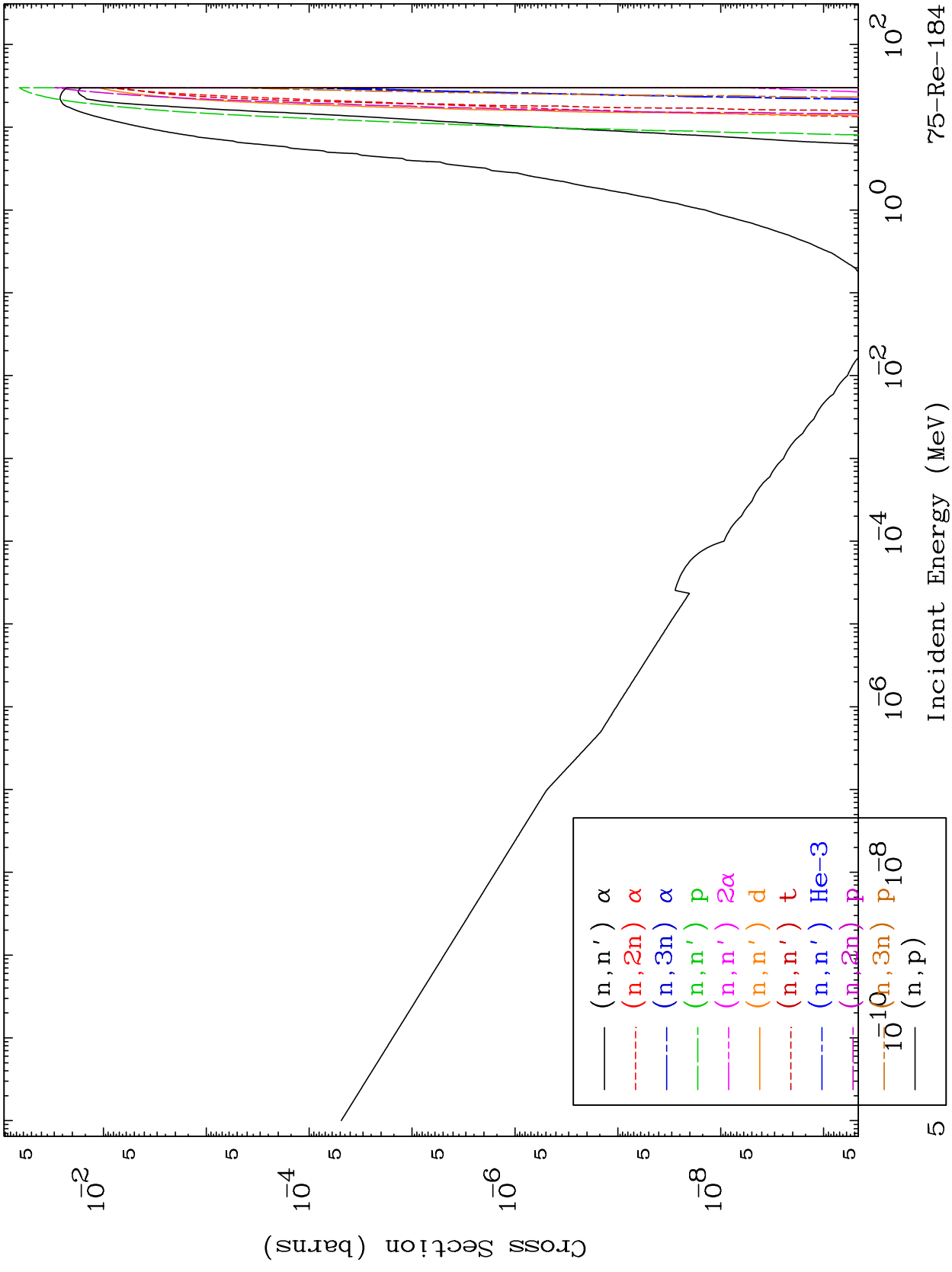
75-Re-184



MAT 7522

Charged Particle
293 Kelvin Cross Sections

75-Re-184

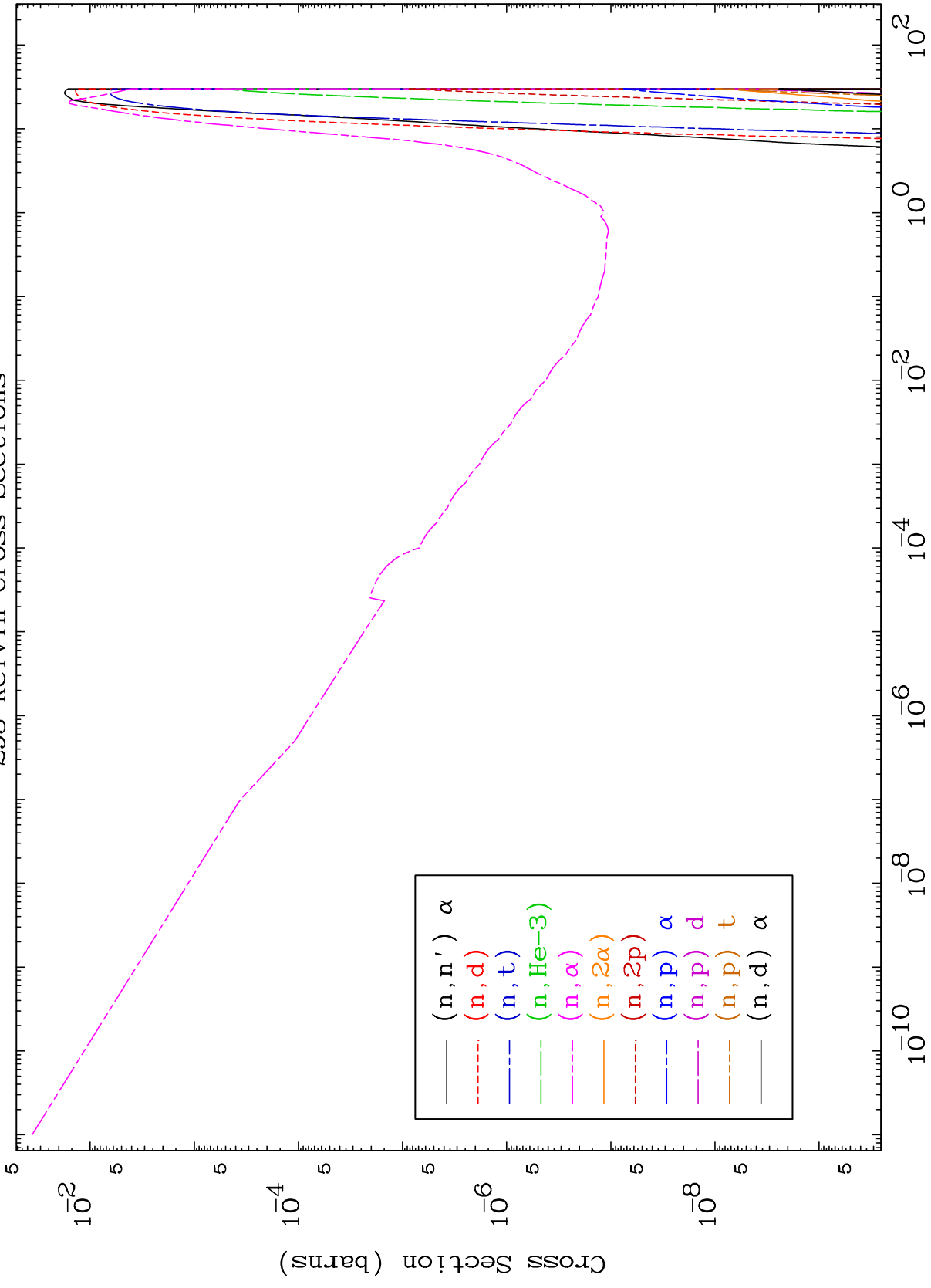


75-Re-184

MAT 7522

Charged Particle
293 Kelvin Cross Sections

75-Re-184

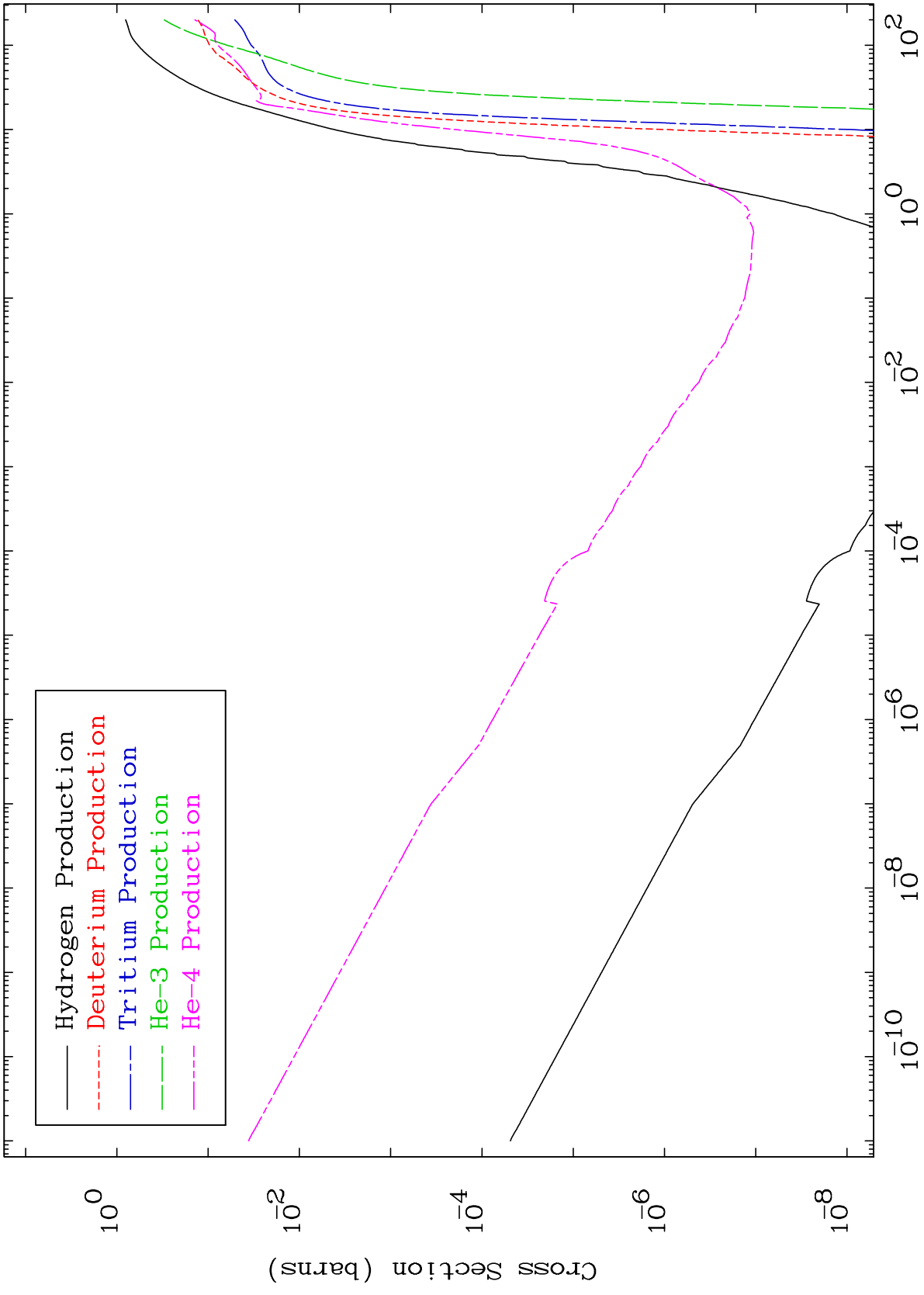


75-Re-184

MAT 7522

Particle Production
293 Kelvin Cross Sections

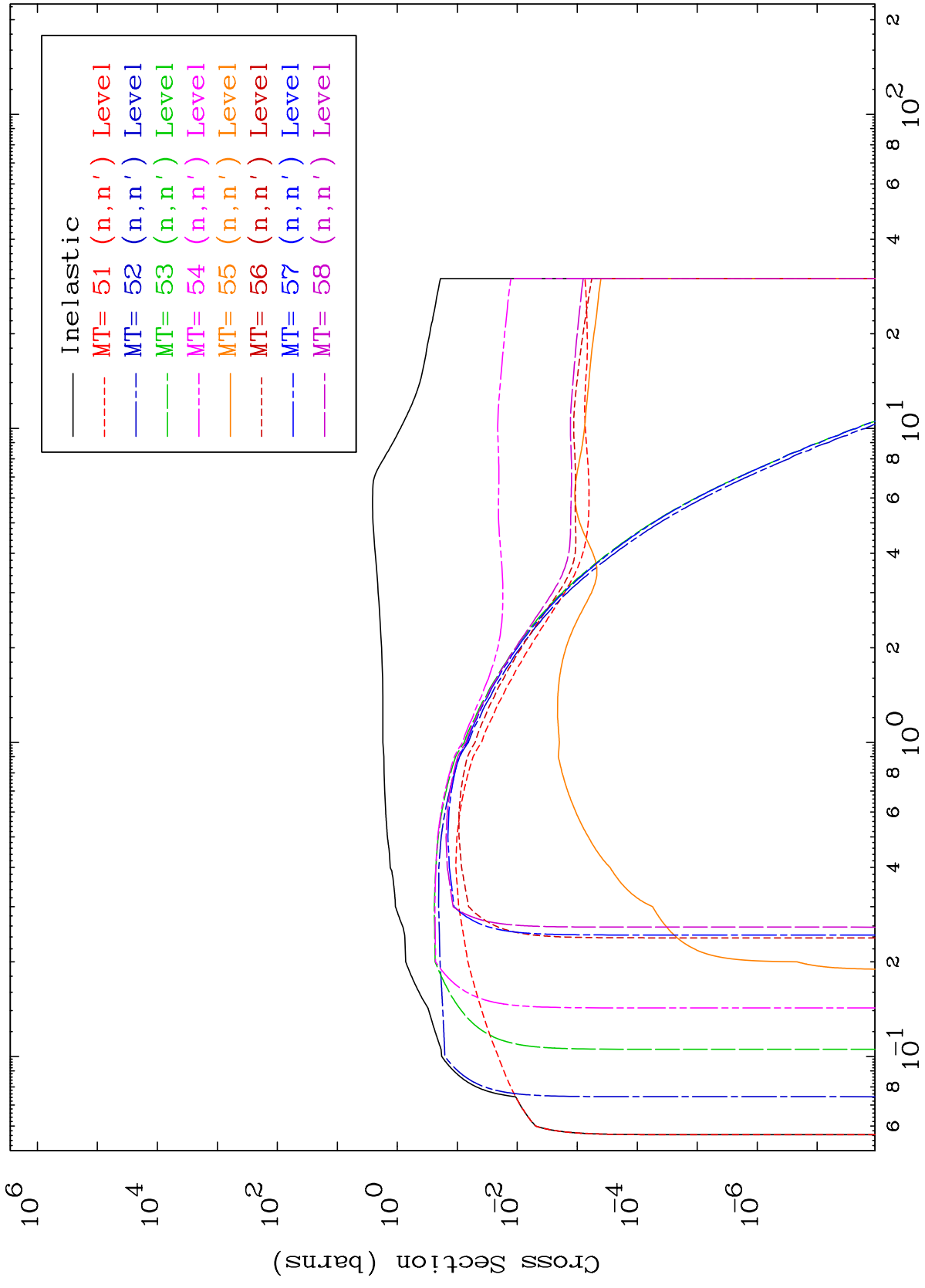
75-Re-184



MAT 7522

(n,n') Levels
293 Kelvin Cross Sections

75-Re-184



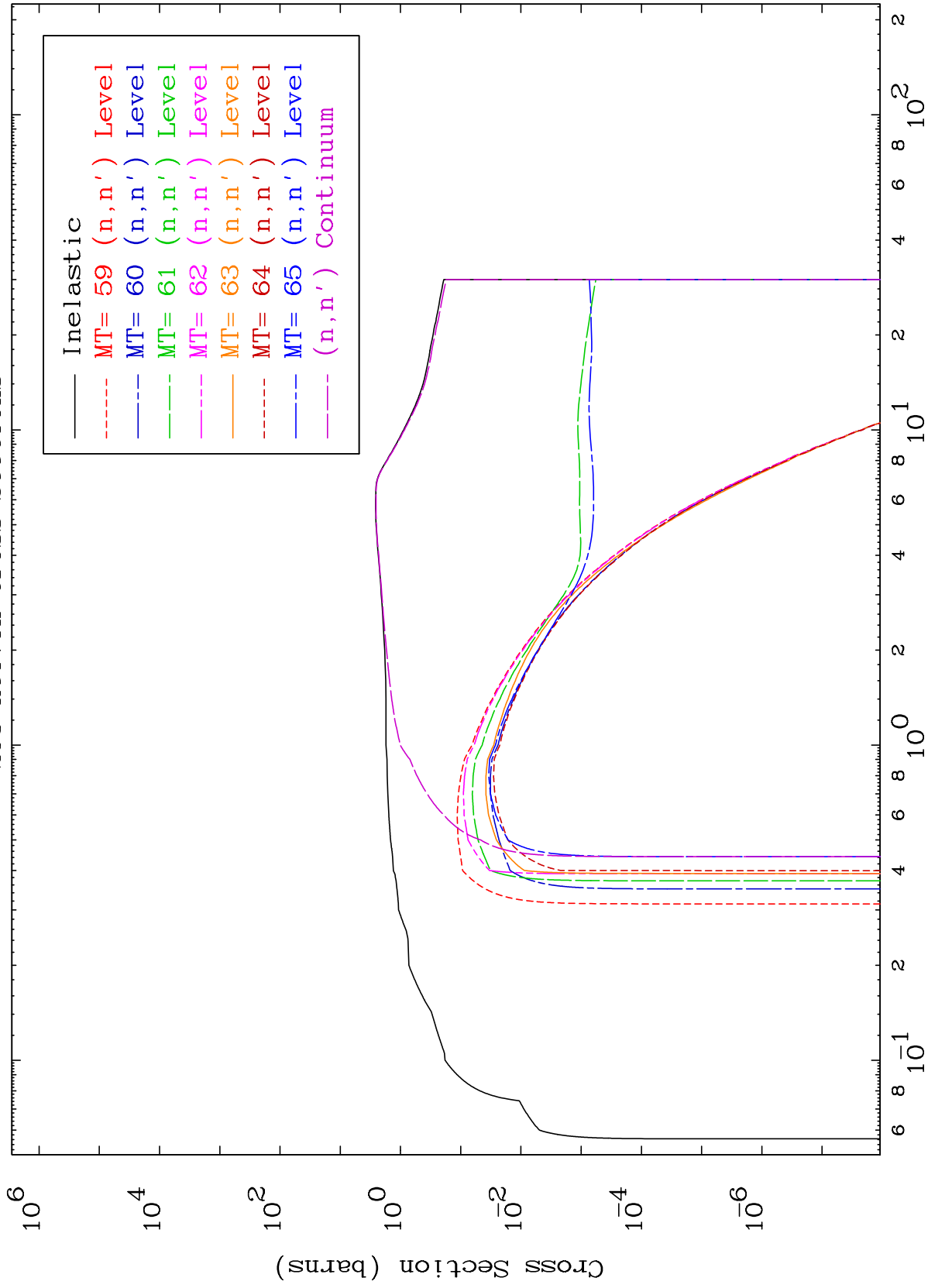
8

75-Re-184

MAT 7522

(n,n') Levels
293 Kelvin Cross Sections

75-Re-184



9

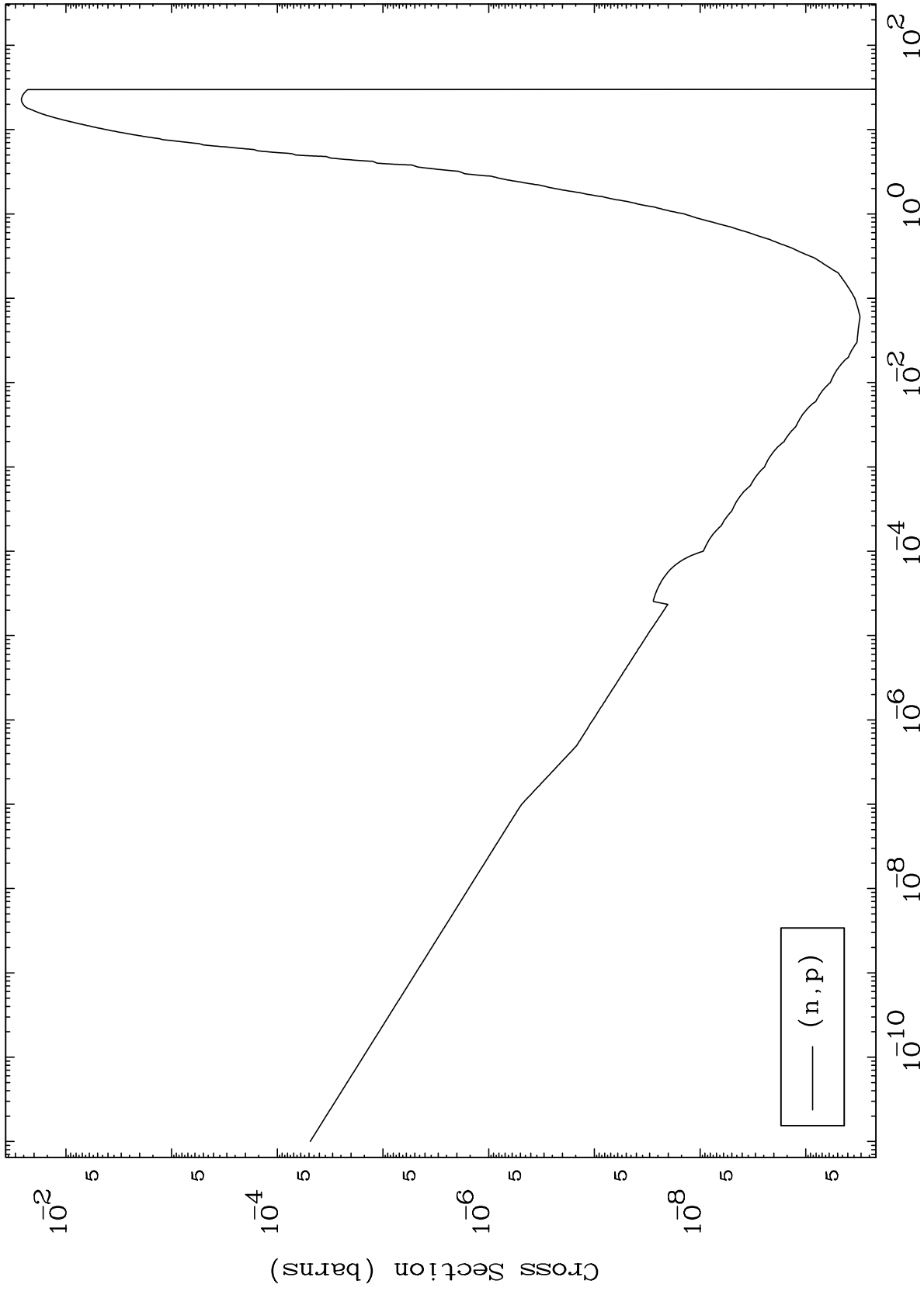
Incident Energy (MeV)

75-Re-184

MAT 7522

(n,p) Levels
293 Kelvin Cross Sections

75-Re-184



10

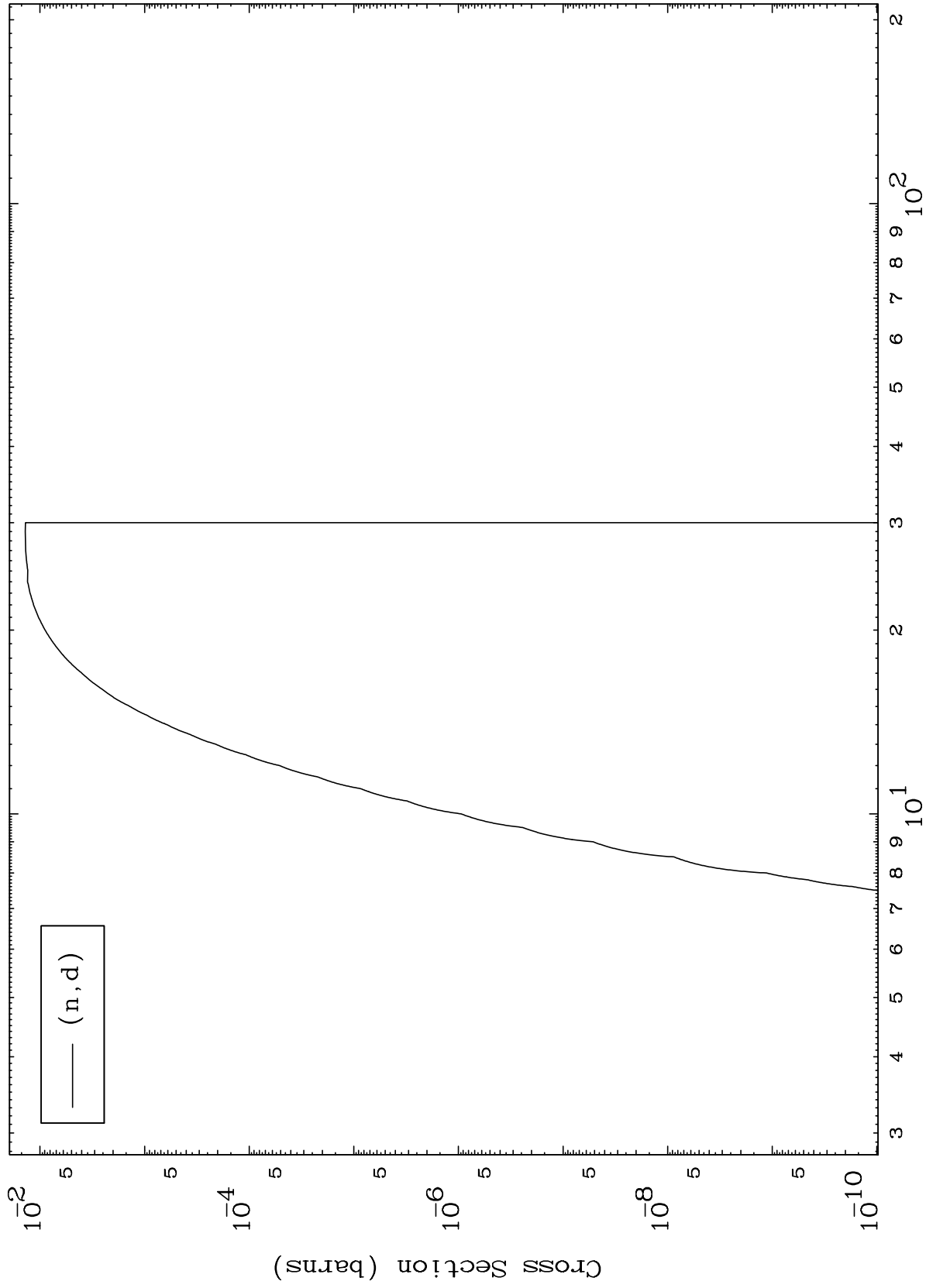
Incident Energy (MeV)

75-Re-184

MAT 7522

(n,d) Levels
293 Kelvin Cross Sections

75-Re-184



11

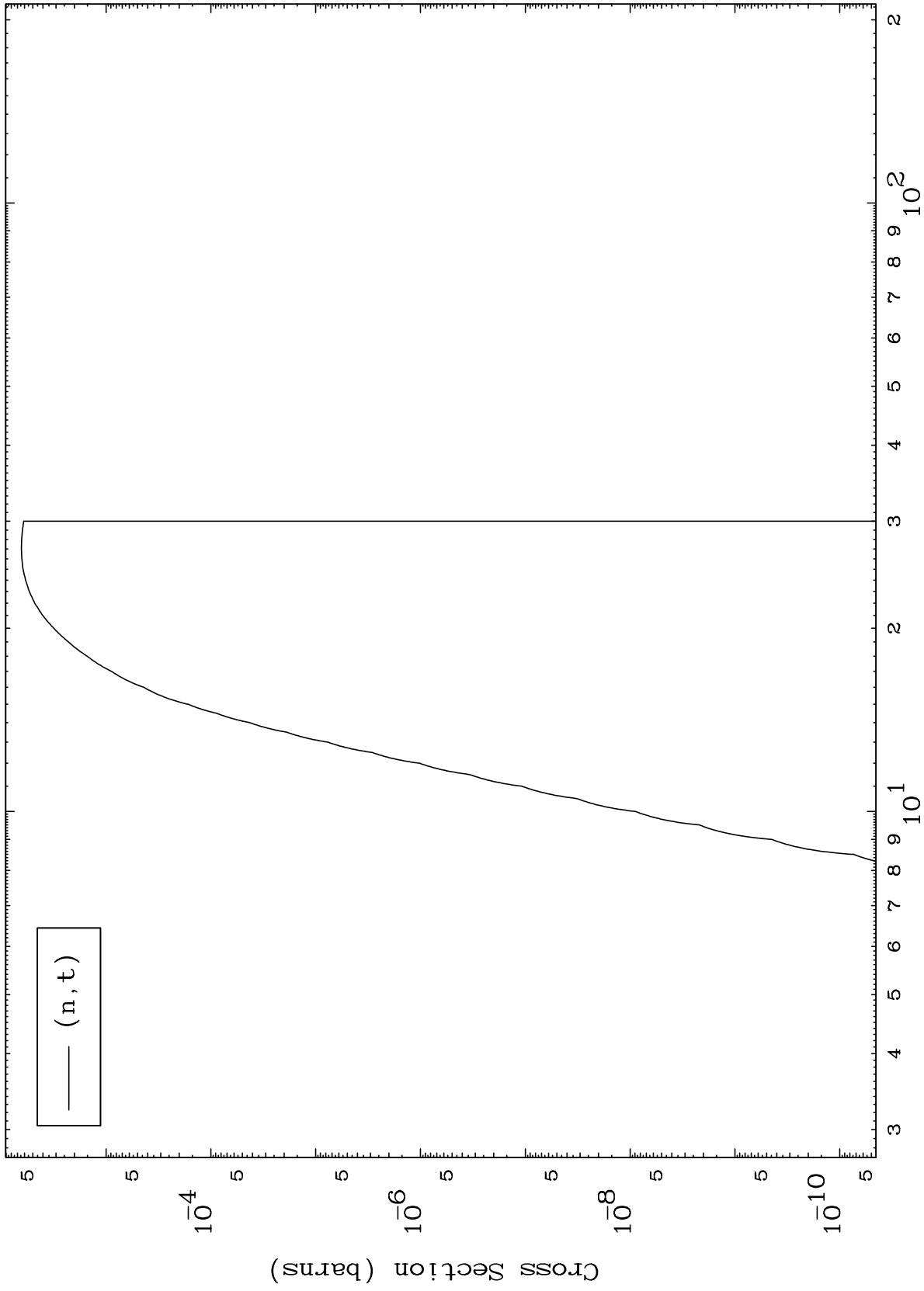
Incident Energy (MeV)

75-Re-184

MAT 7522

(n,t) Levels
293 Kelvin Cross Sections

75-Re-184



12

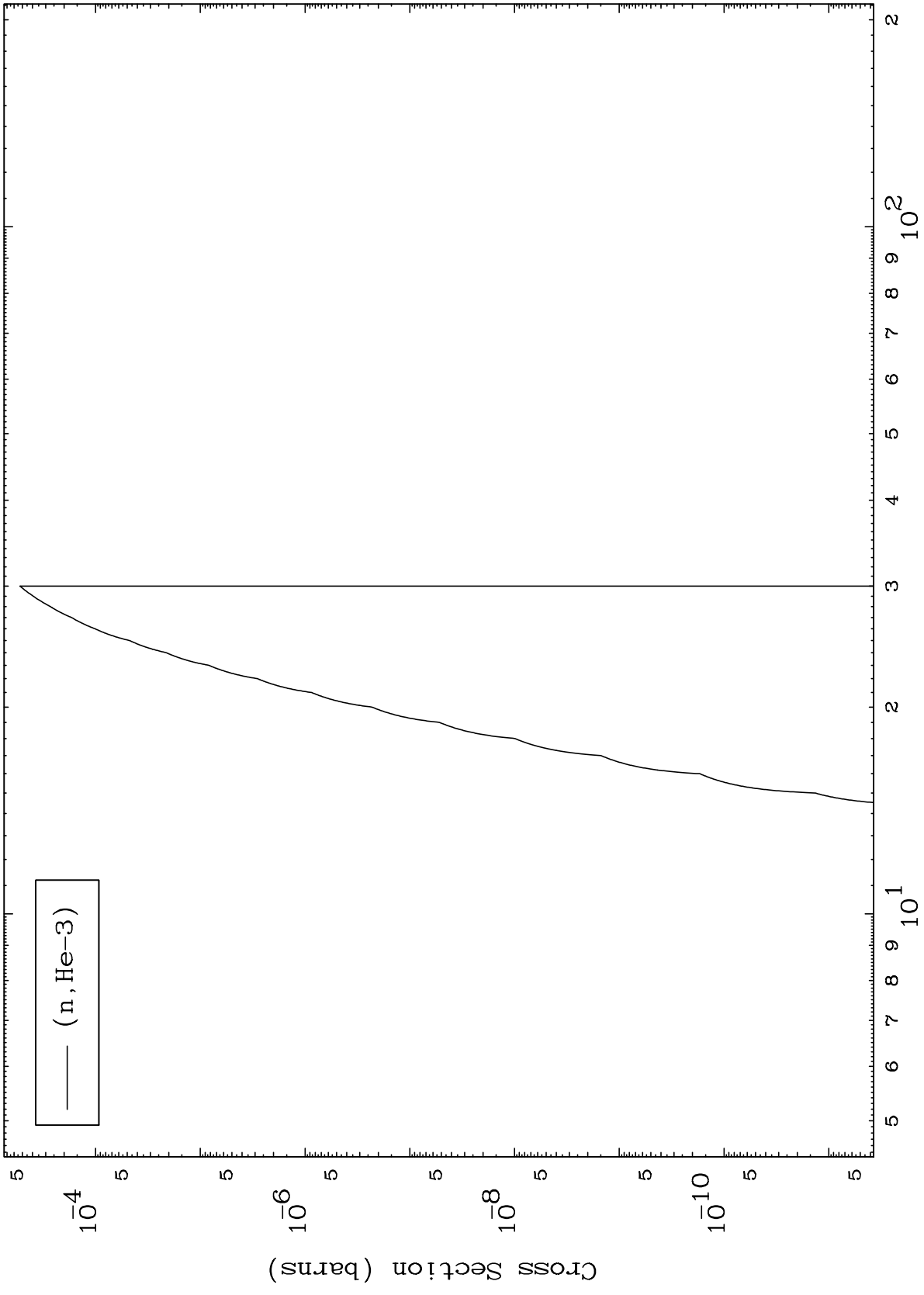
Incident Energy (MeV)

75-Re-184

MAT 7522

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-184



13

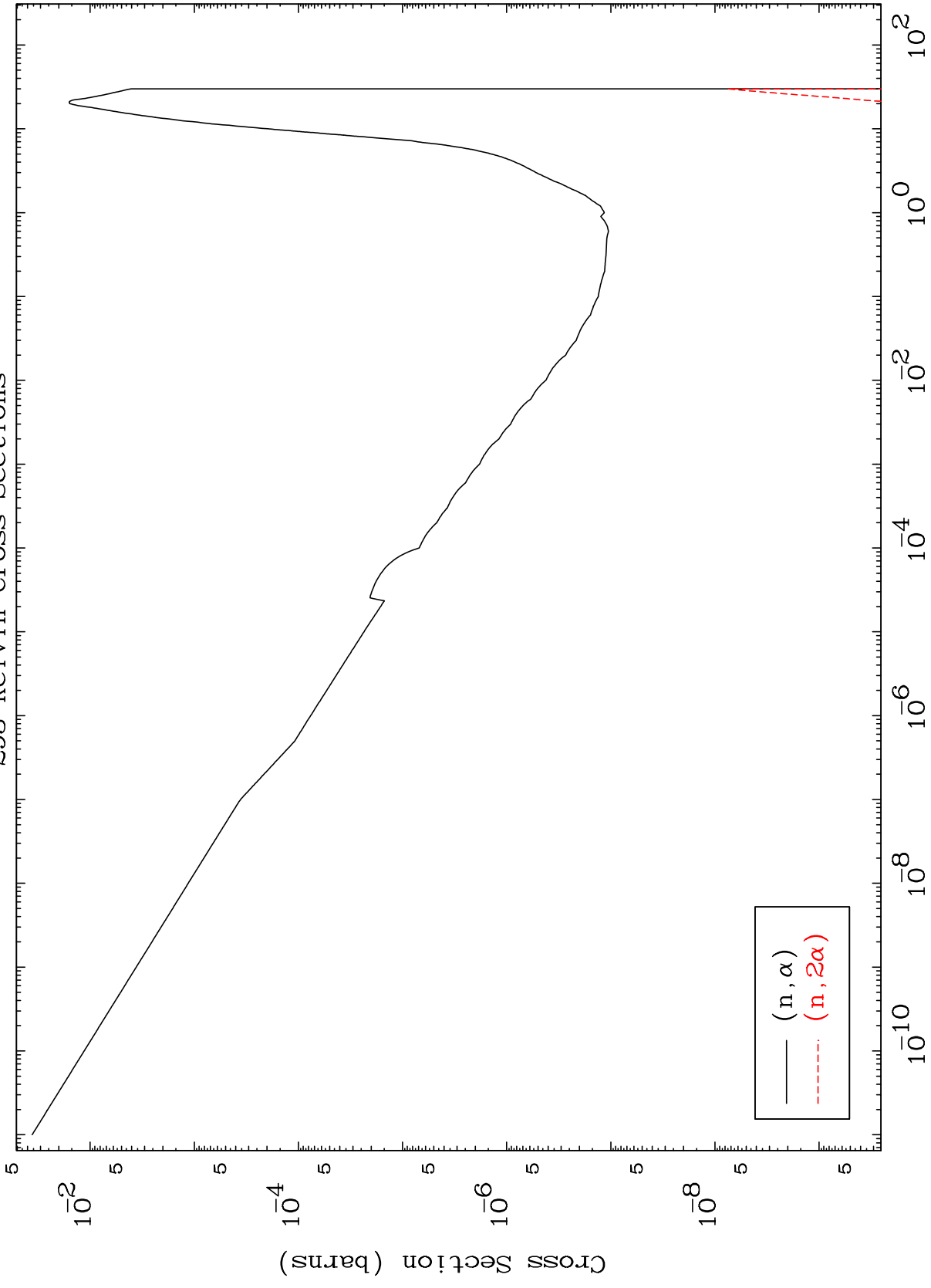
Incident Energy (MeV)

75-Re-184

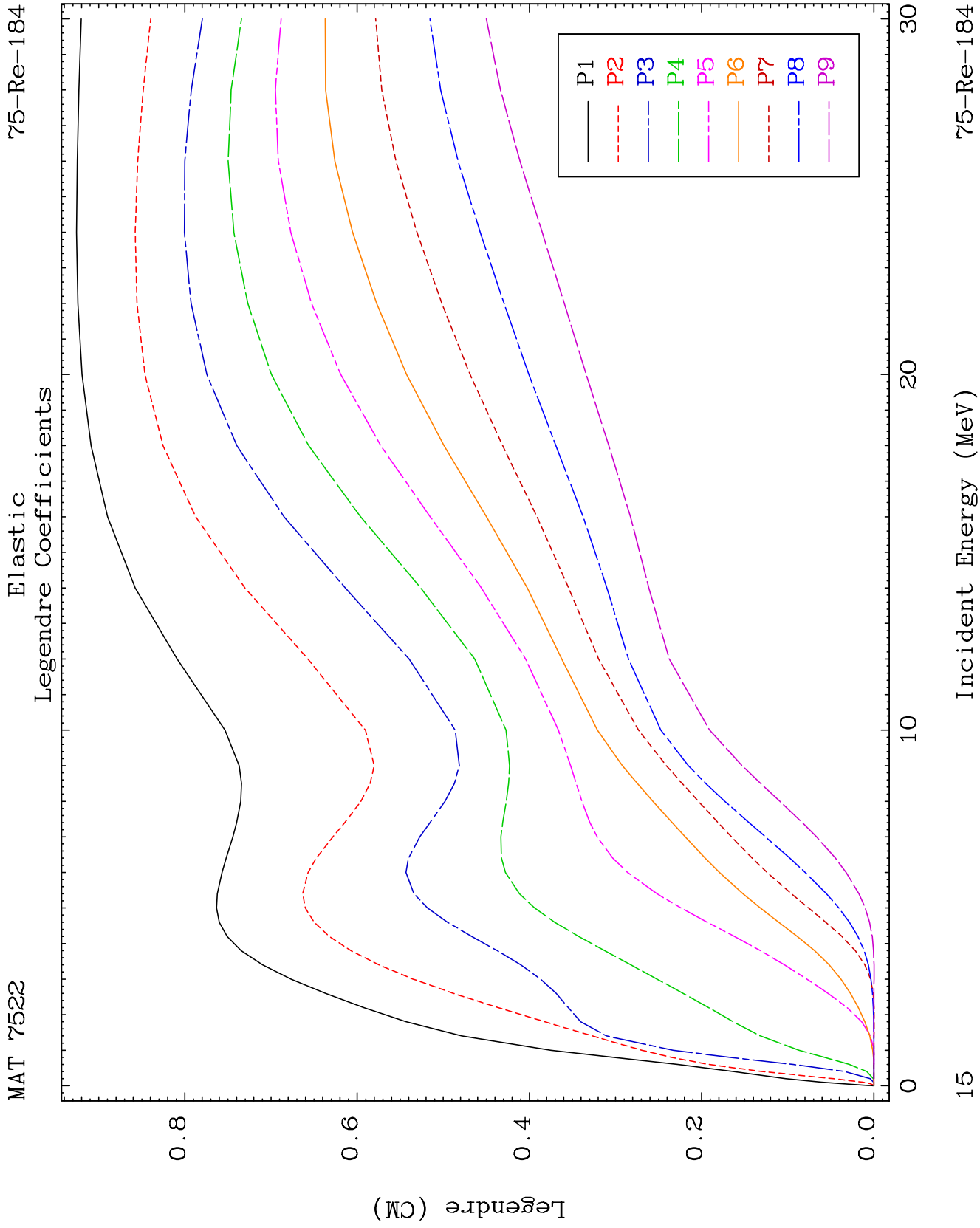
MAT 7522

(n,α) Levels
293 Kelvin Cross Sections

75-Re-184



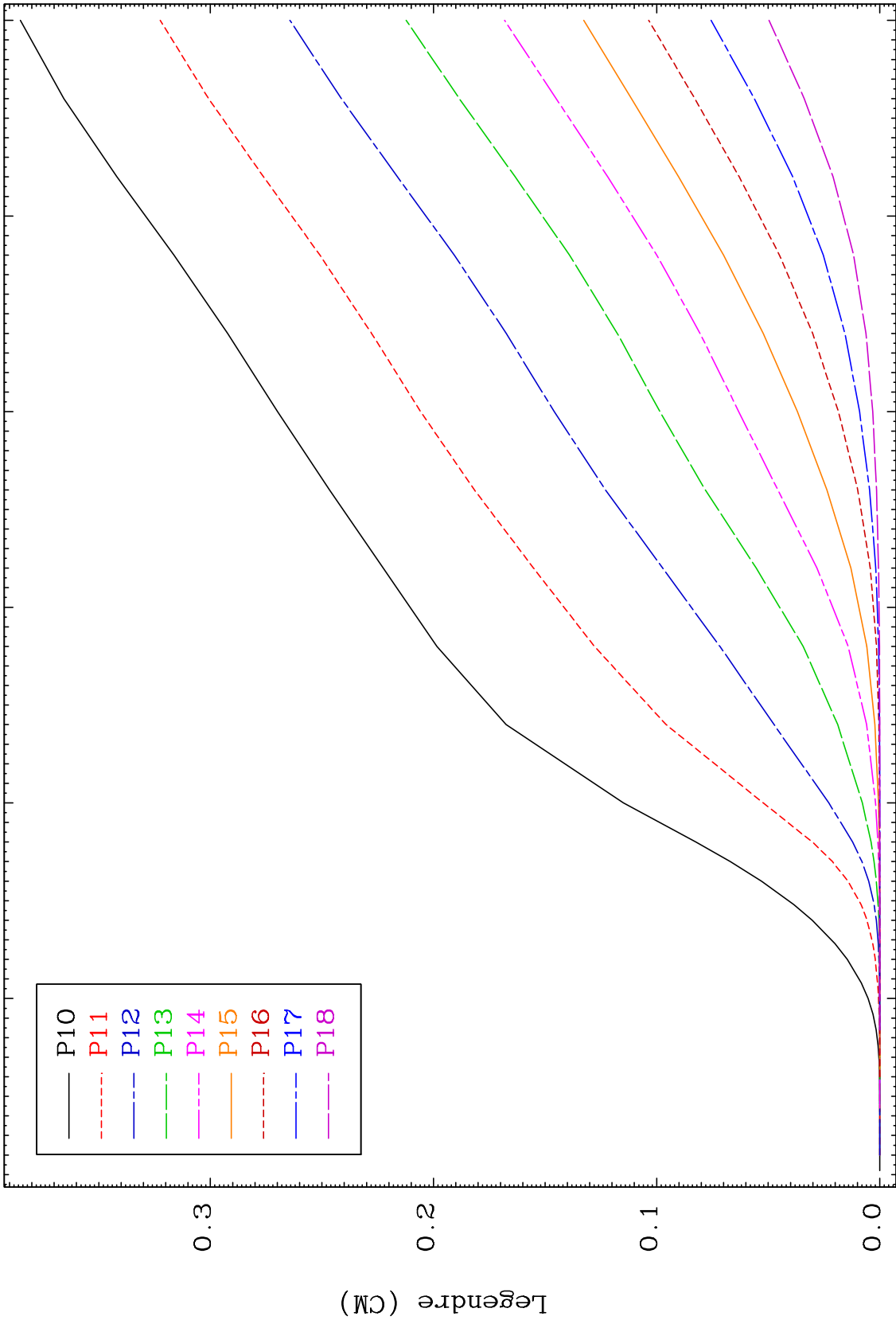
75-Re-184



MAT 7522

Elastic Legendre Coefficients

75-Re-184



16

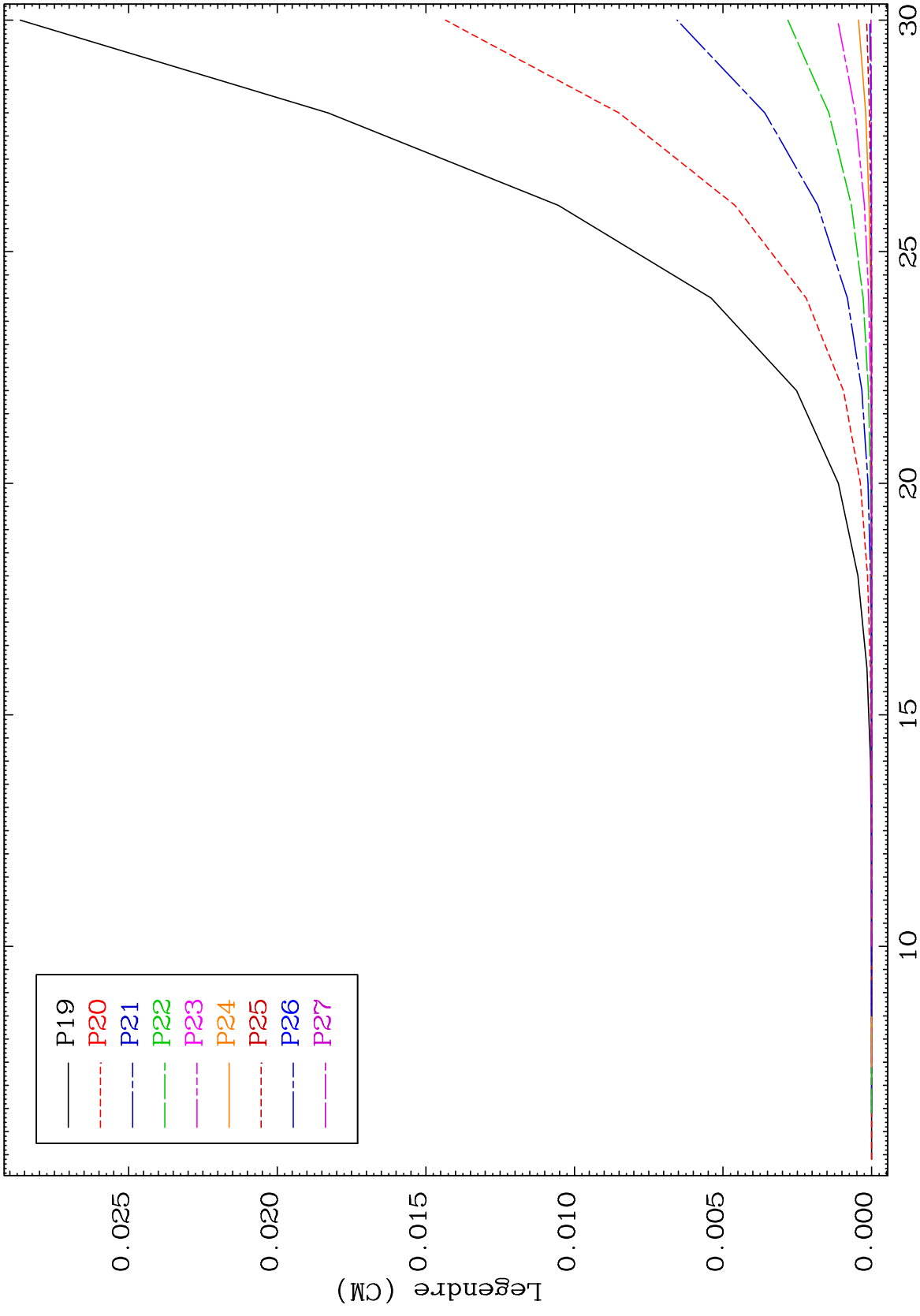
Incident Energy (MeV)

75-Re-184

MAT 7522

Elastic Legendre Coefficients

75-Re-184



17

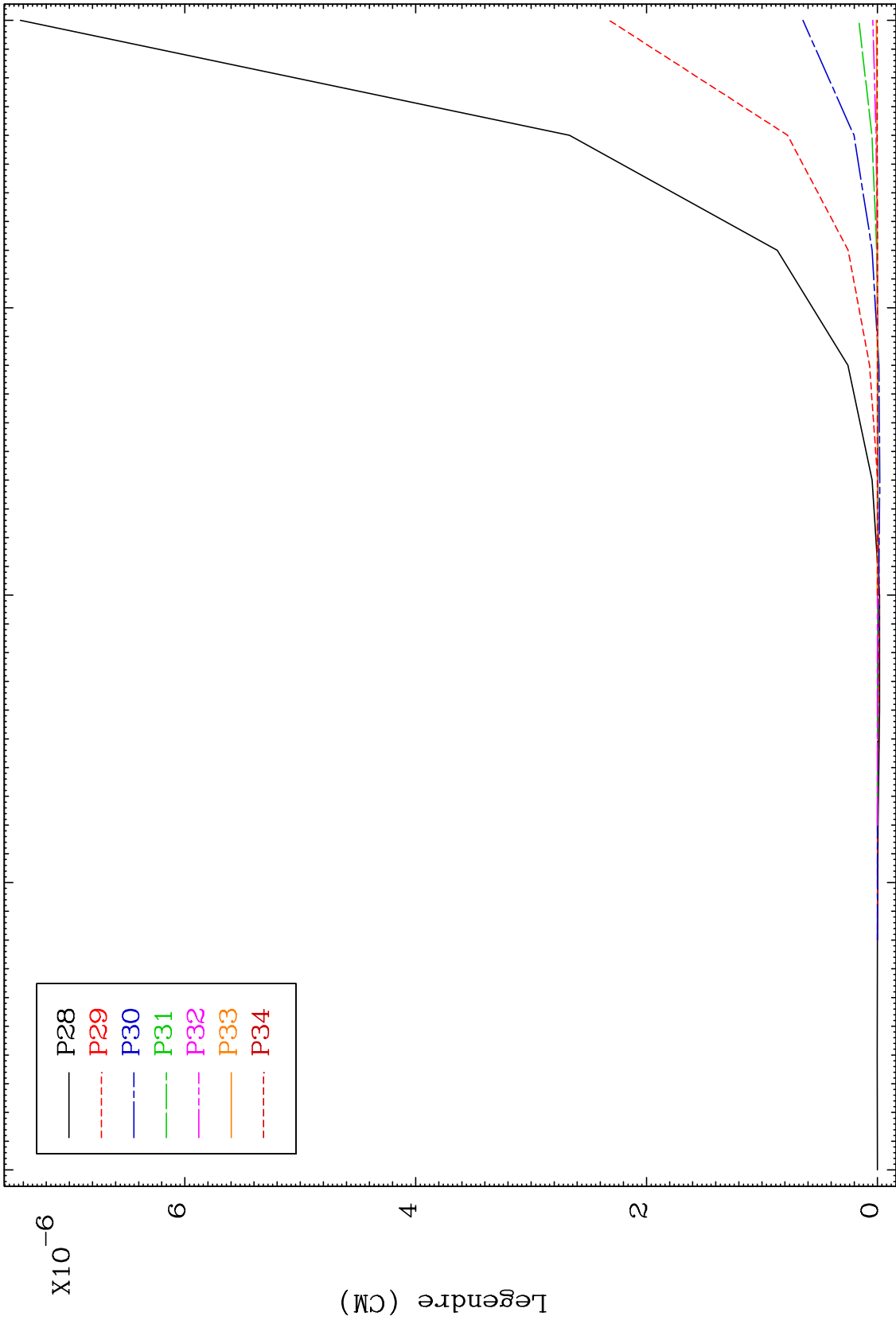
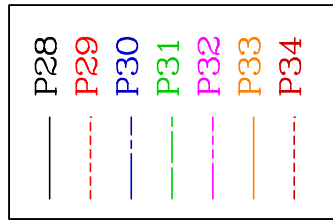
Incident Energy (MeV)

75-Re-184

MAT 7522

Elastic Legendre Coefficients

75-Re-184



18

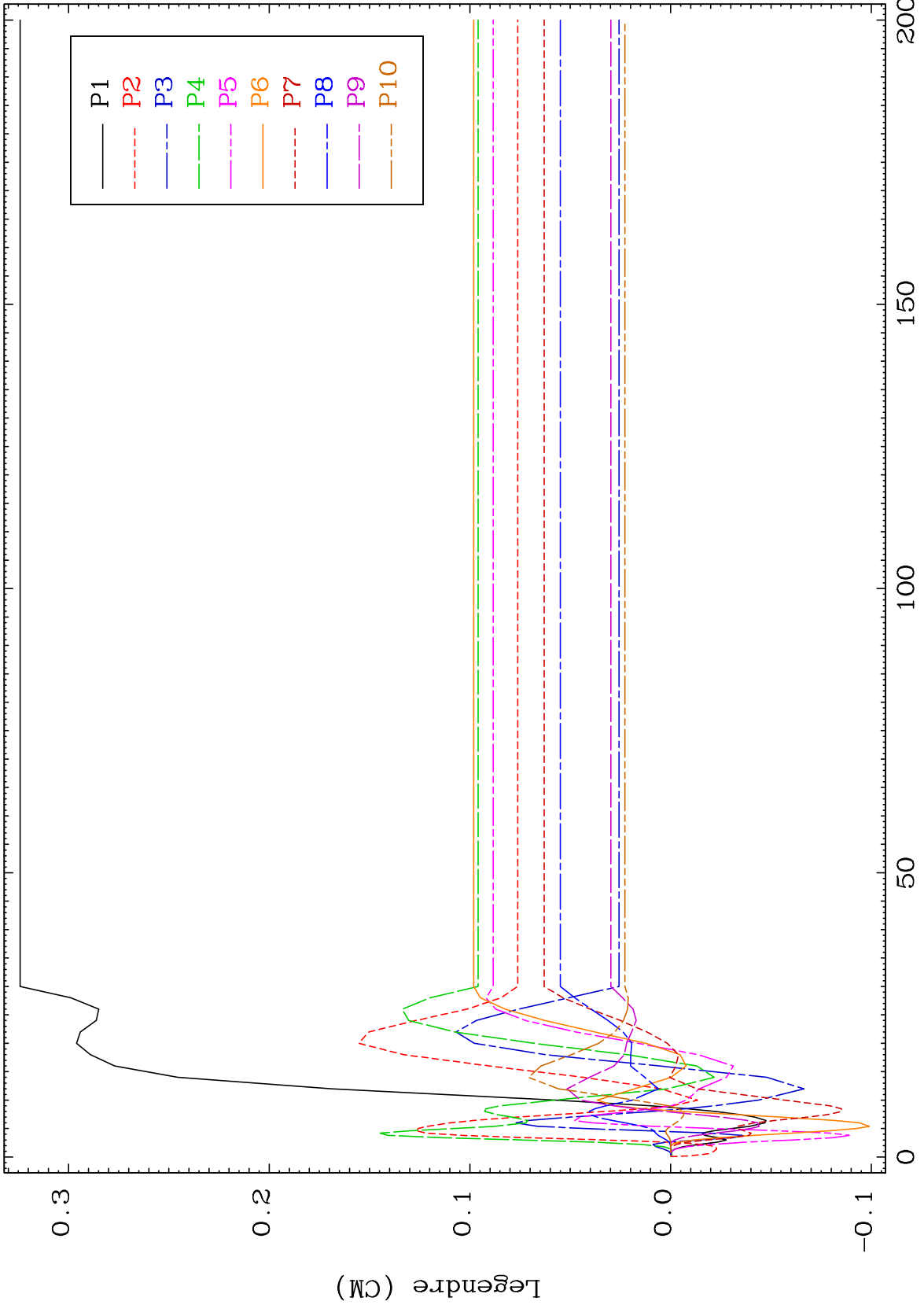
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184

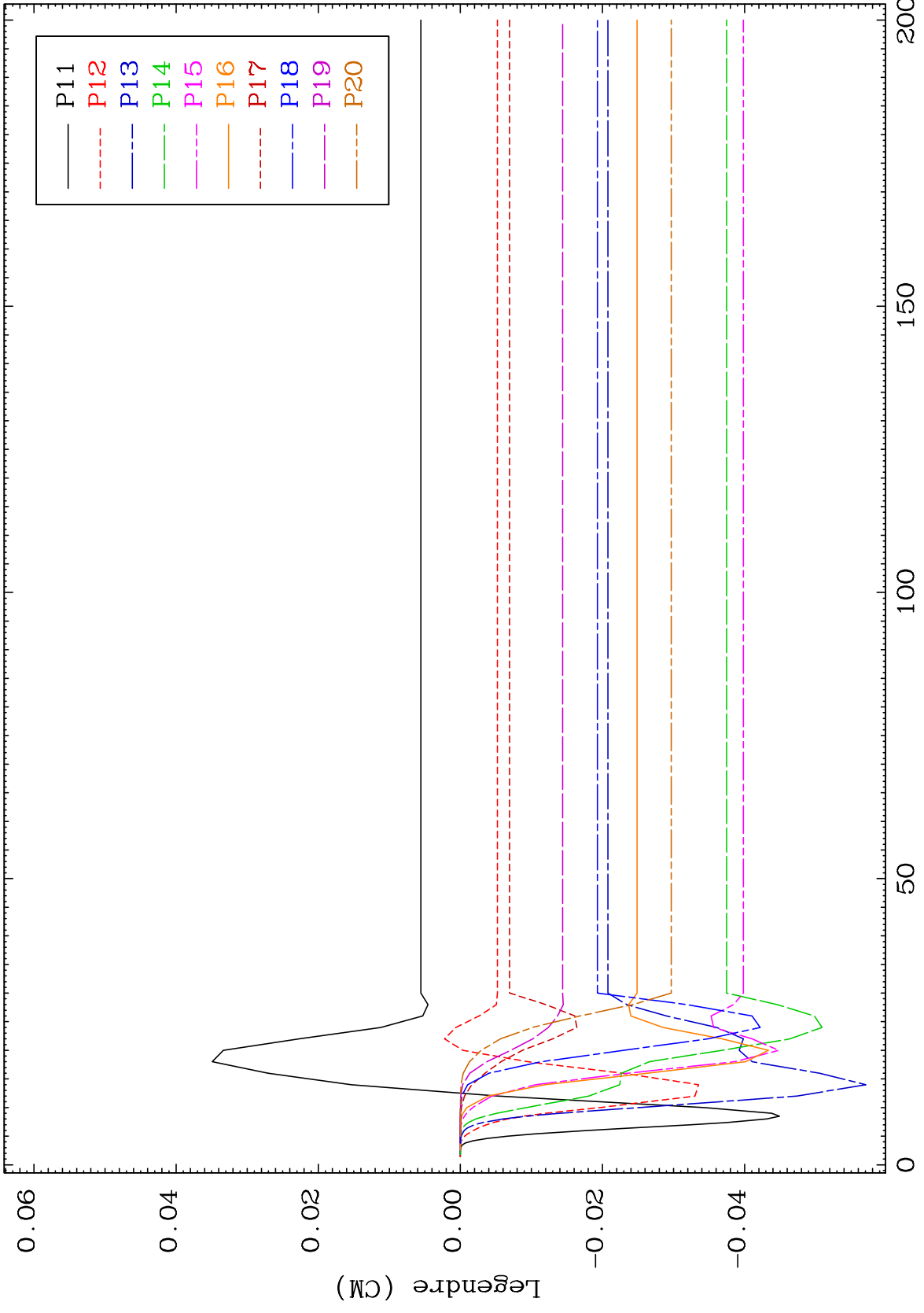


19

Incident Energy (MeV)

75-Re-184

MAT 7522 MT= 51 (n,n') Level Legendre Coefficients 75-Re-184

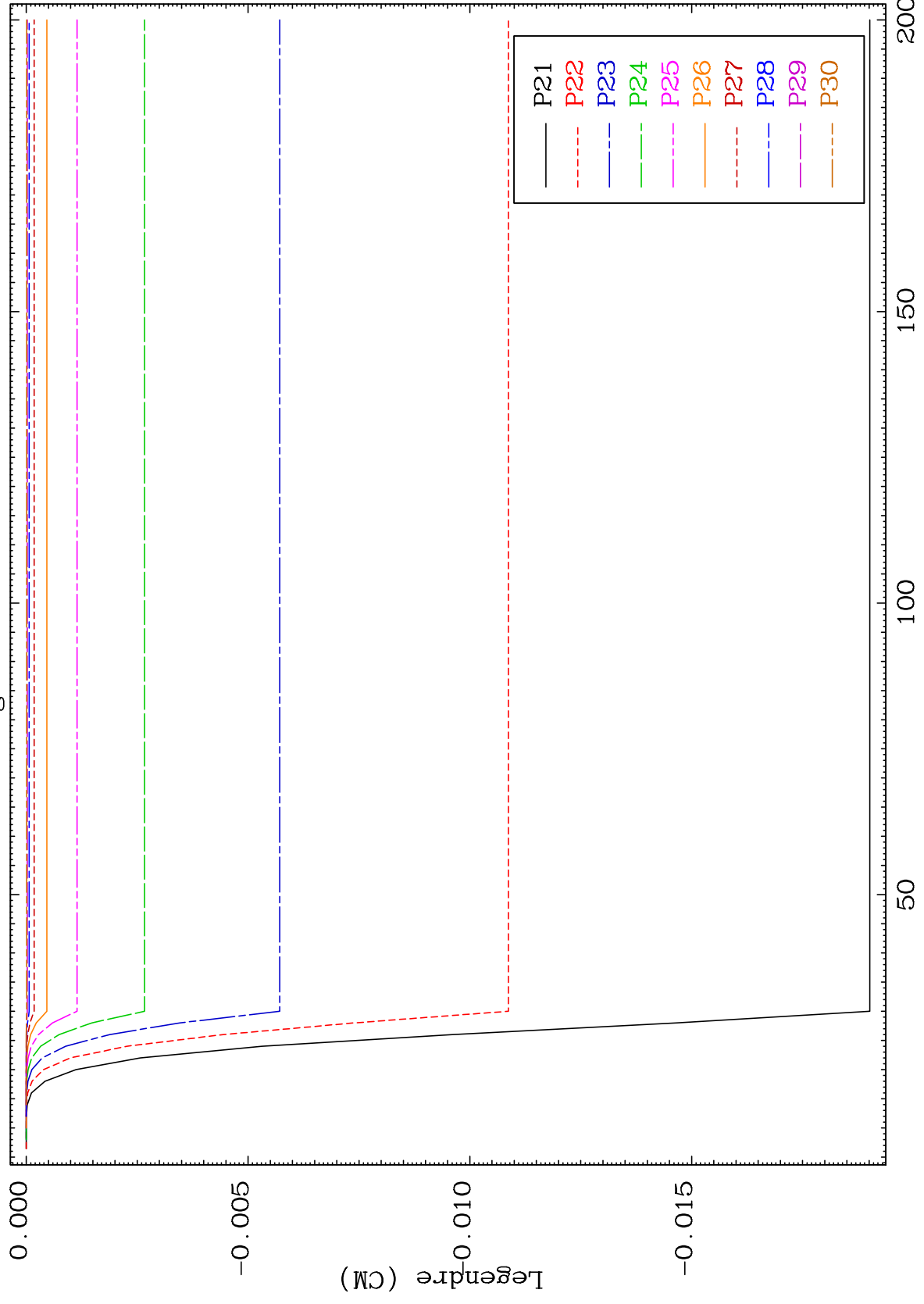


75-Re-184

MAT 7522

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

75-Re-184



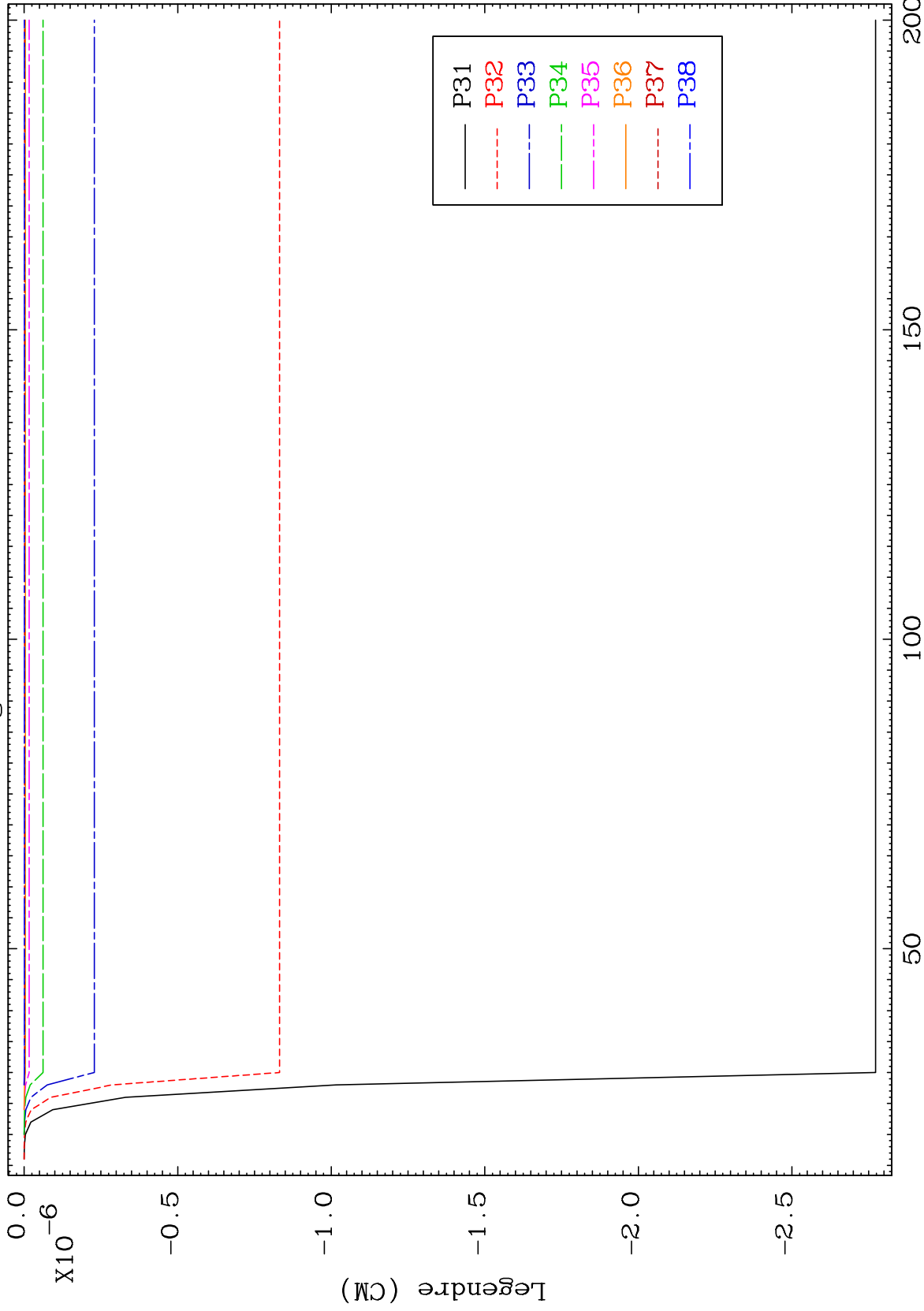
75-Re-184

Incident Energy (MeV)

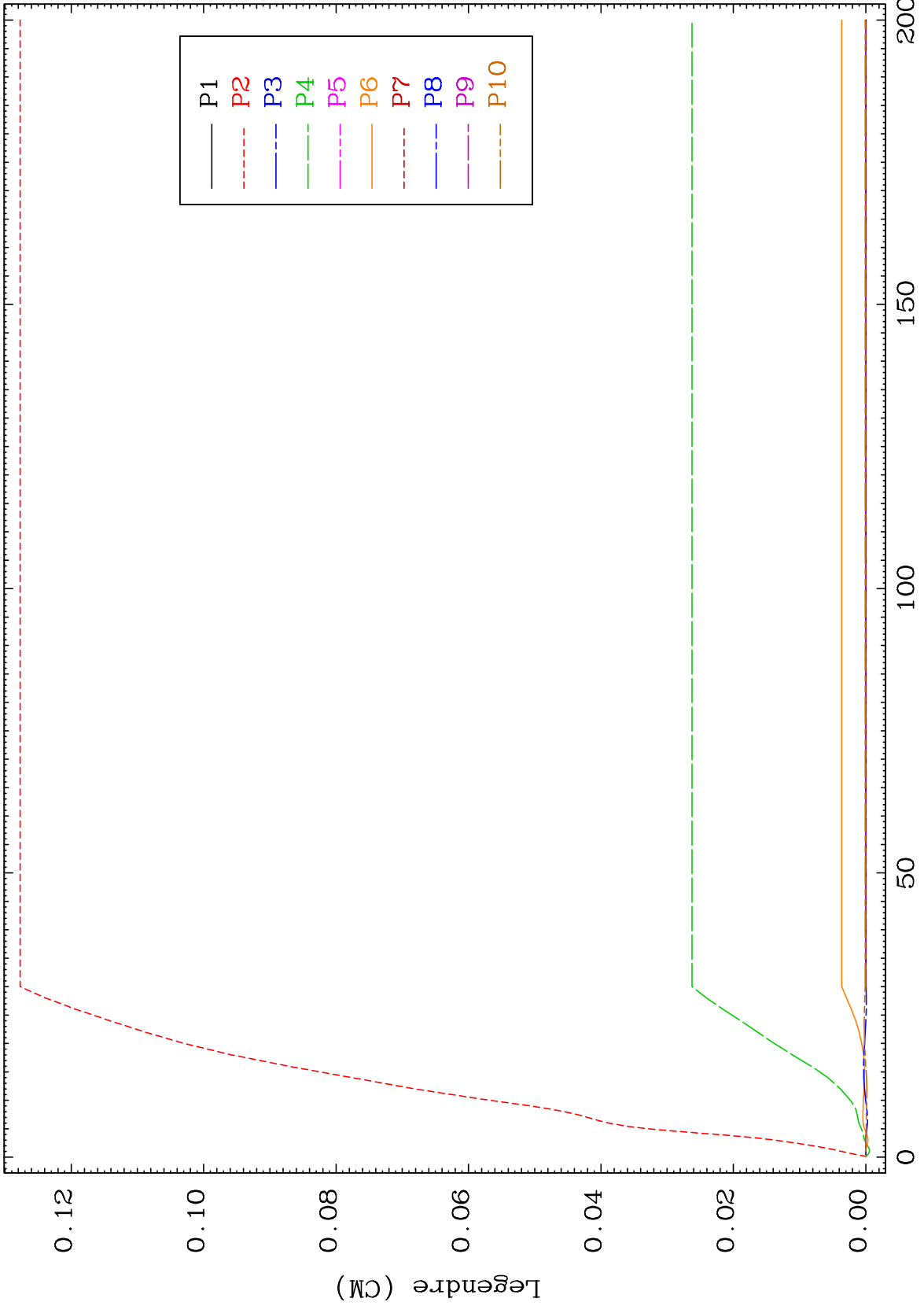
21

MAT 7522 MT= 51 (n,n') Level 75-Re-184

Legendre Coefficients



MAT 7522 MT= 52 (n,n') Level Legendre Coefficients 75-Re-184

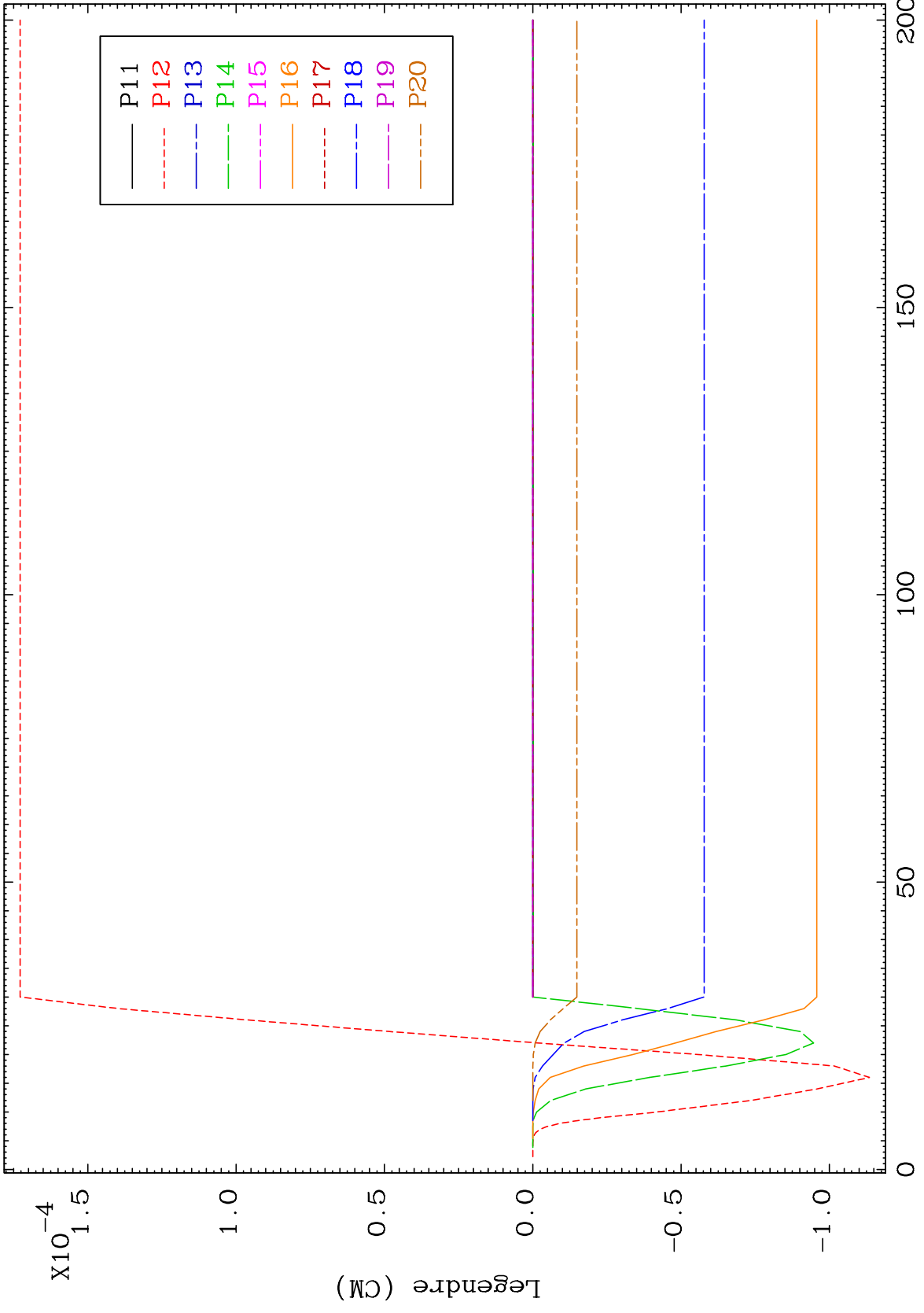


23 75-Re-184

MAT 7522

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

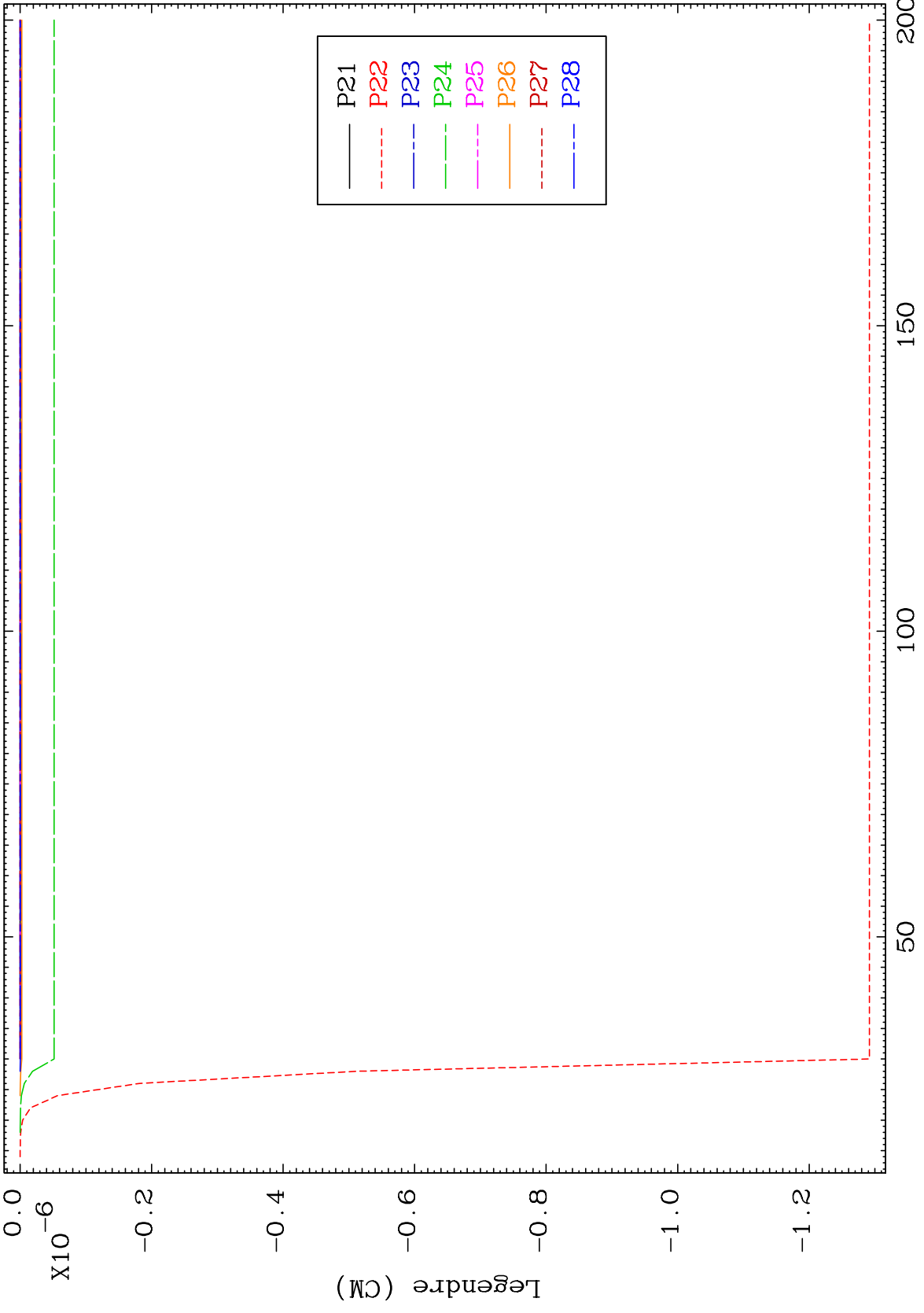
75-Re-184



24

75-Re-184

MAT 7522 MT= 52 (n,n') Level Legendre Coefficients 75-Re-184

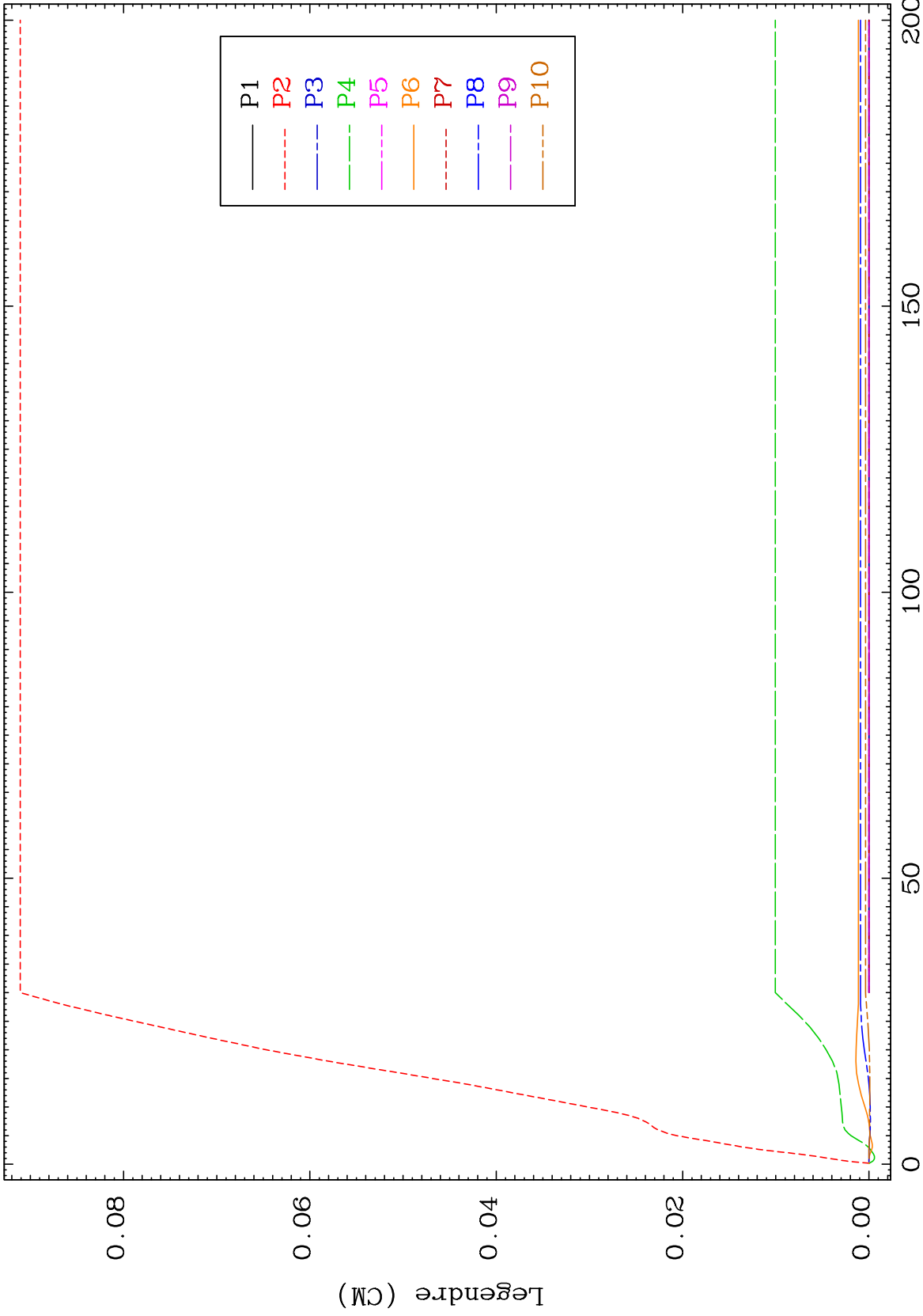


25 Incident Energy (MeV) 75-Re-184

MAT 7522

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

75-Re-184



26

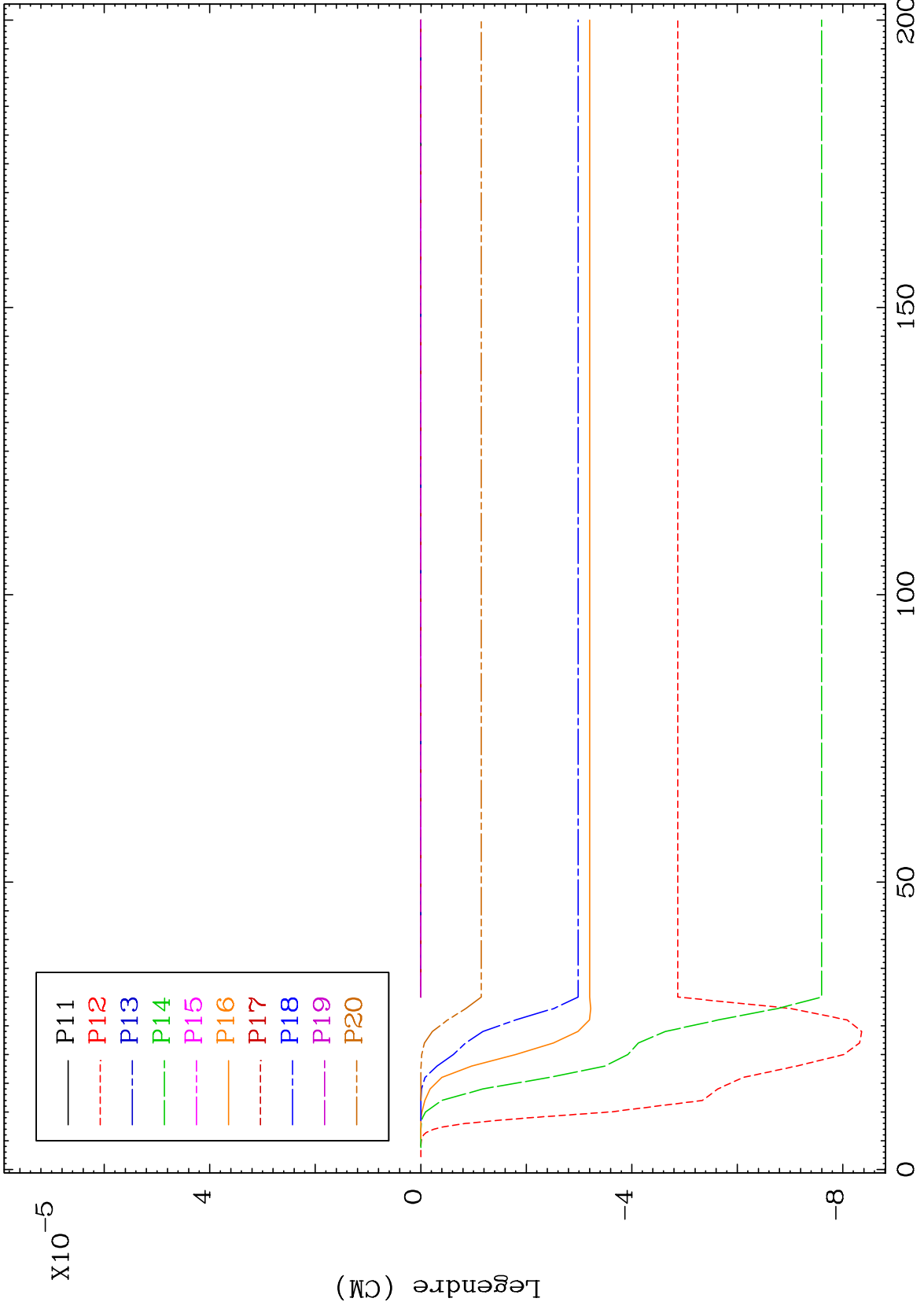
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184

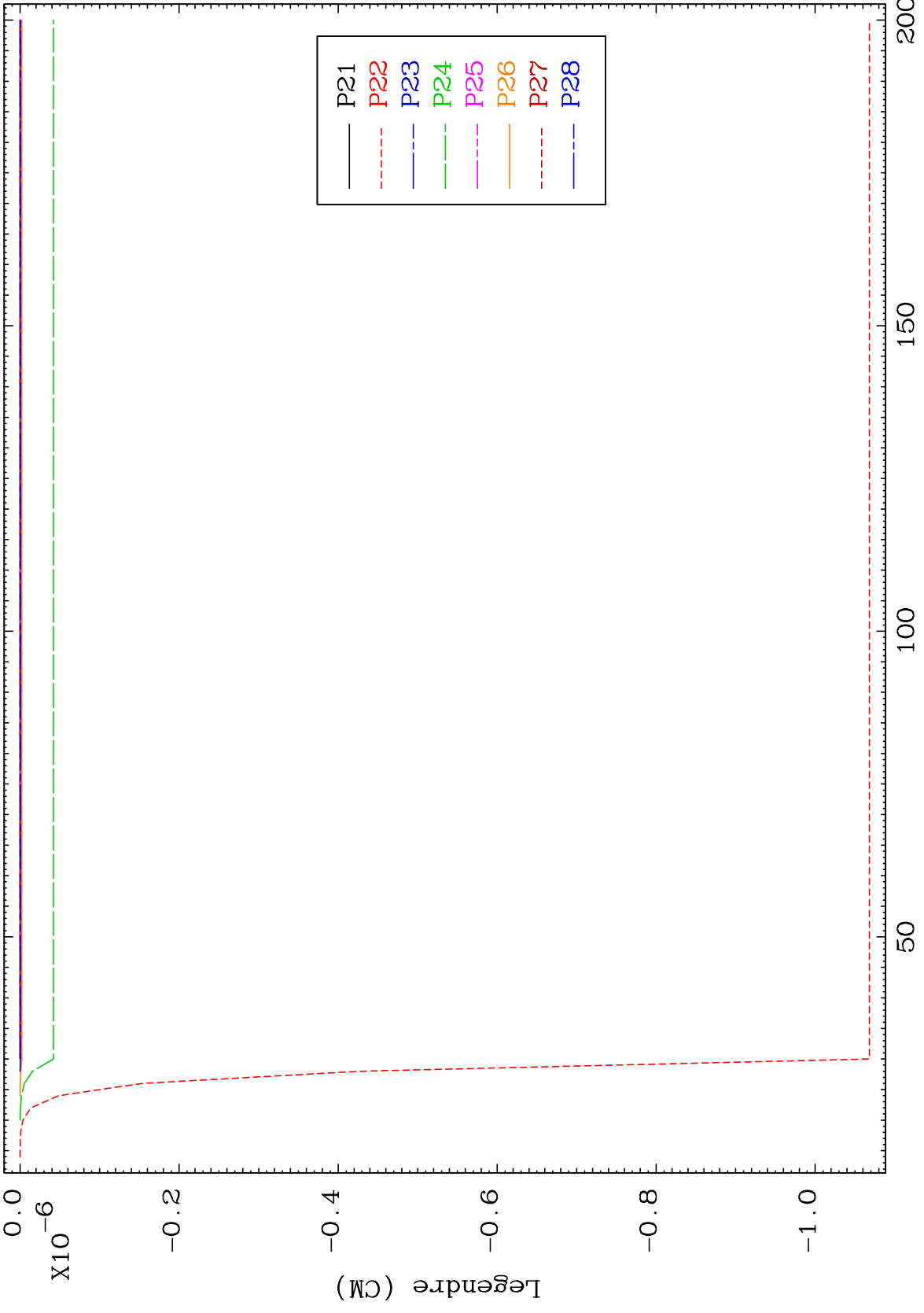


27

Incident Energy (MeV)

75-Re-184

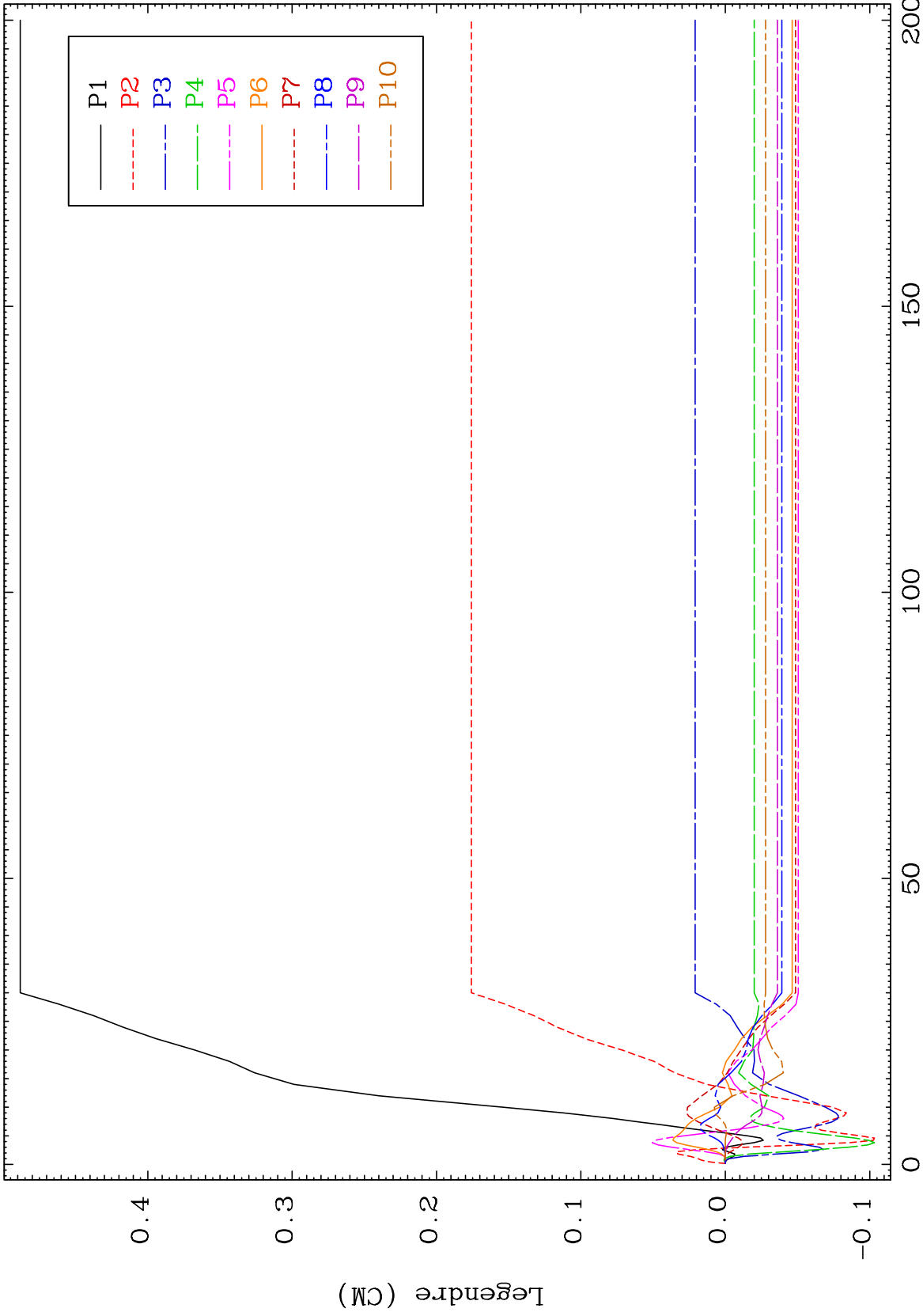
MAT 7522 MT= 53 (n,n') Level Legendre Coefficients 75-Re-184



MAT 7522

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

75-Re-184



29

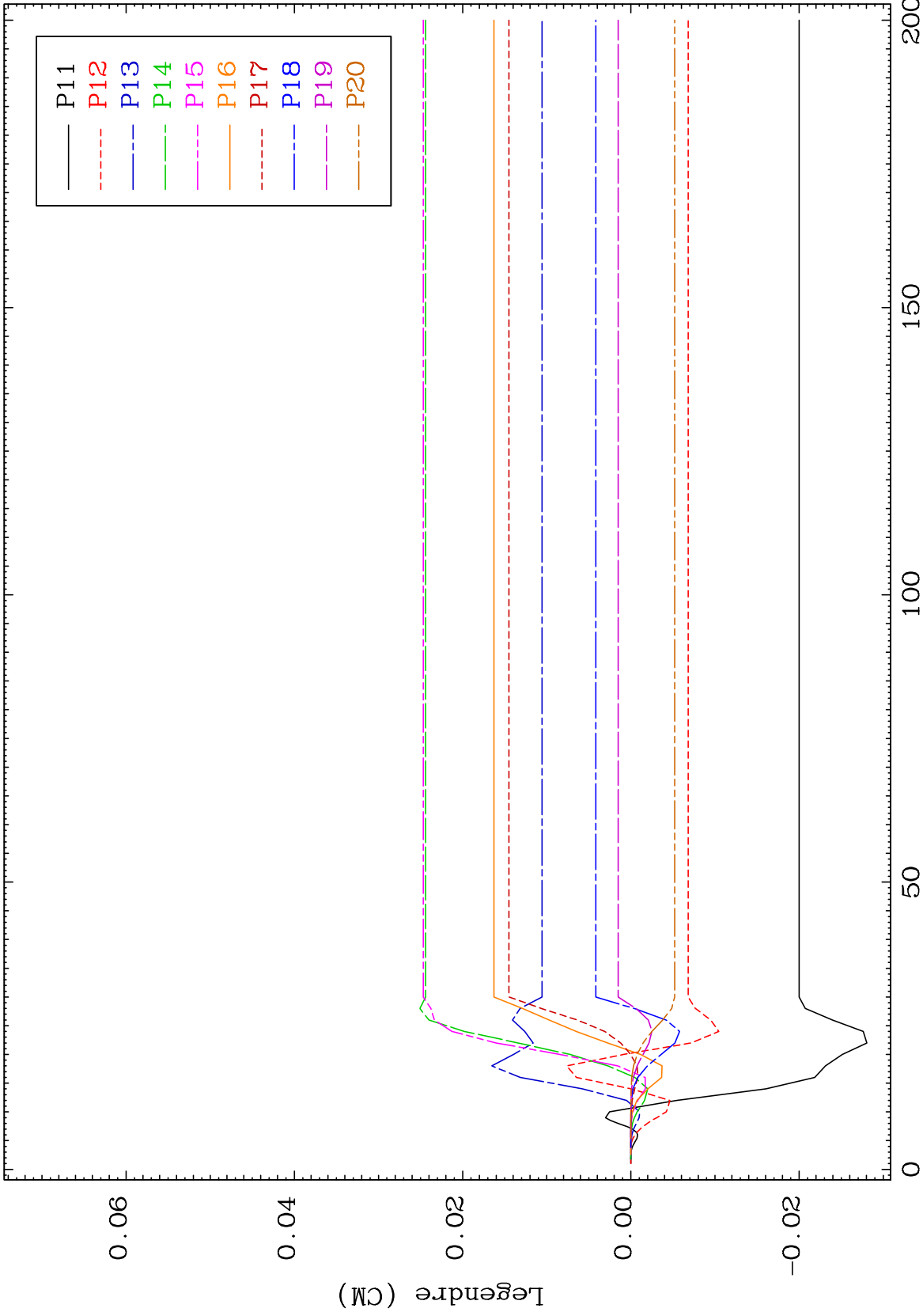
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



0

30

50

100

150

200

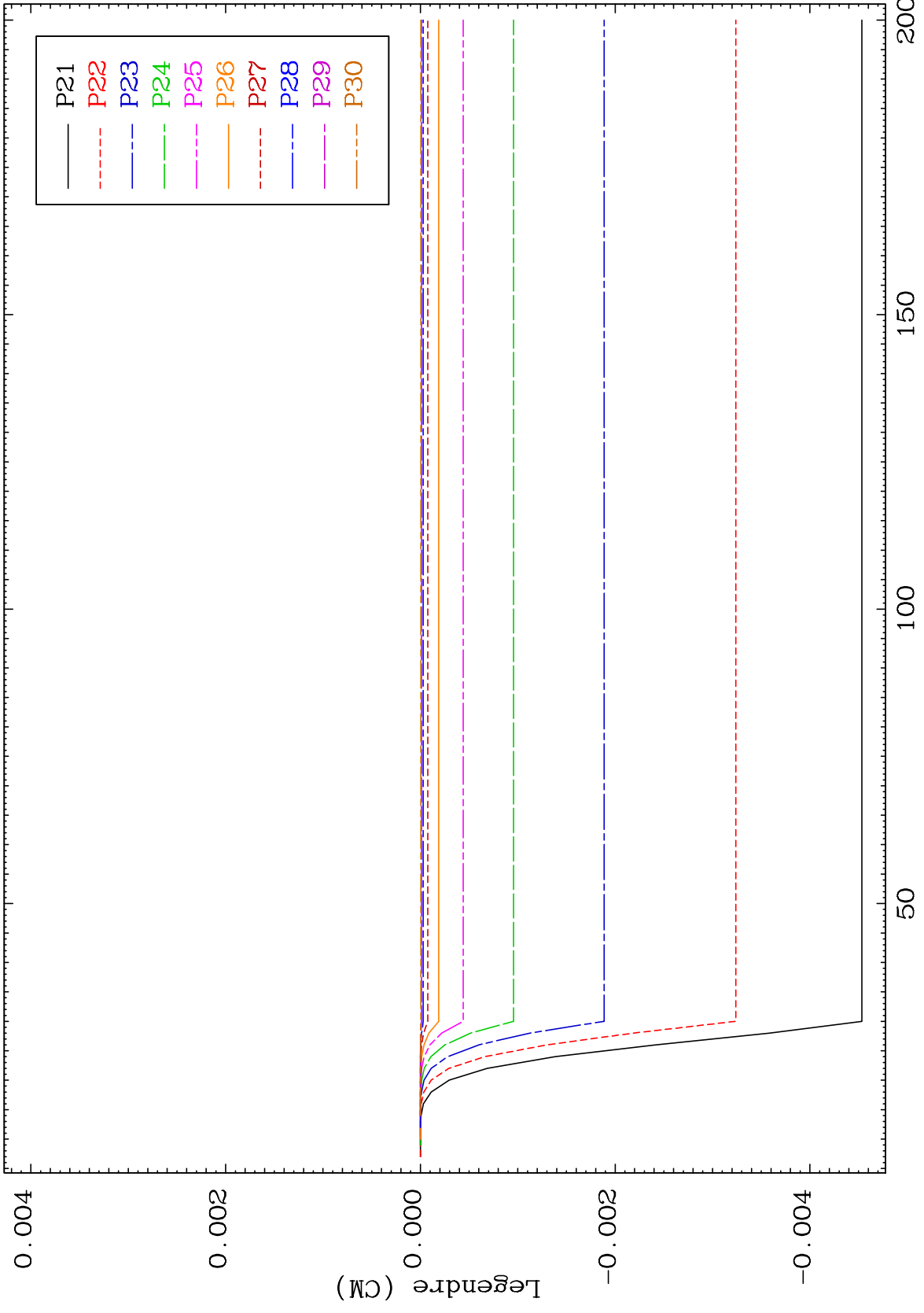
Incident Energy (MeV)

75-Re-184

MAT 7522

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

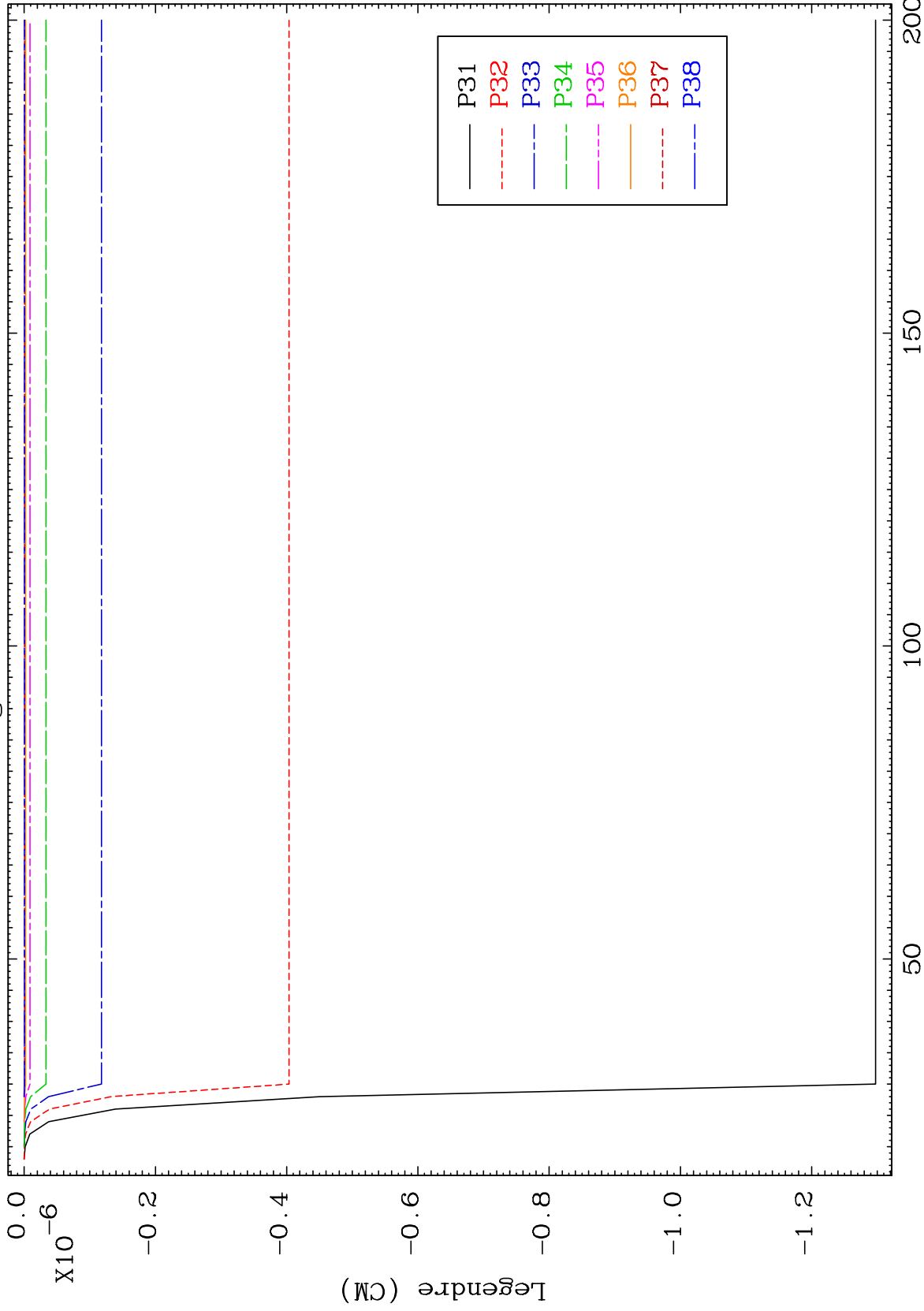
75-Re-184



MAT 7522

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

75-Re-184



75-Re-184

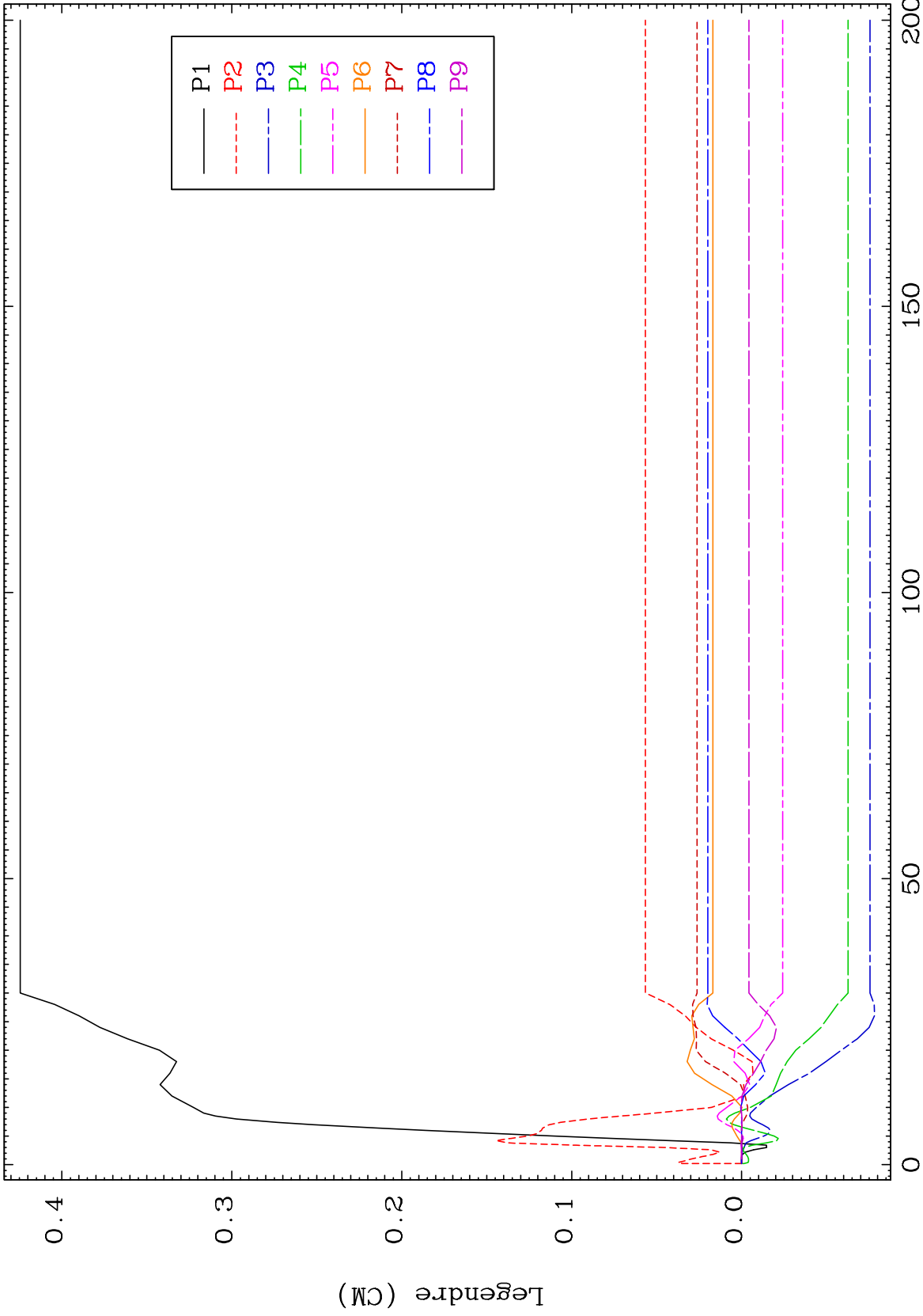
Incident Energy (MeV)

32

MAT 7522

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

75-Re-184

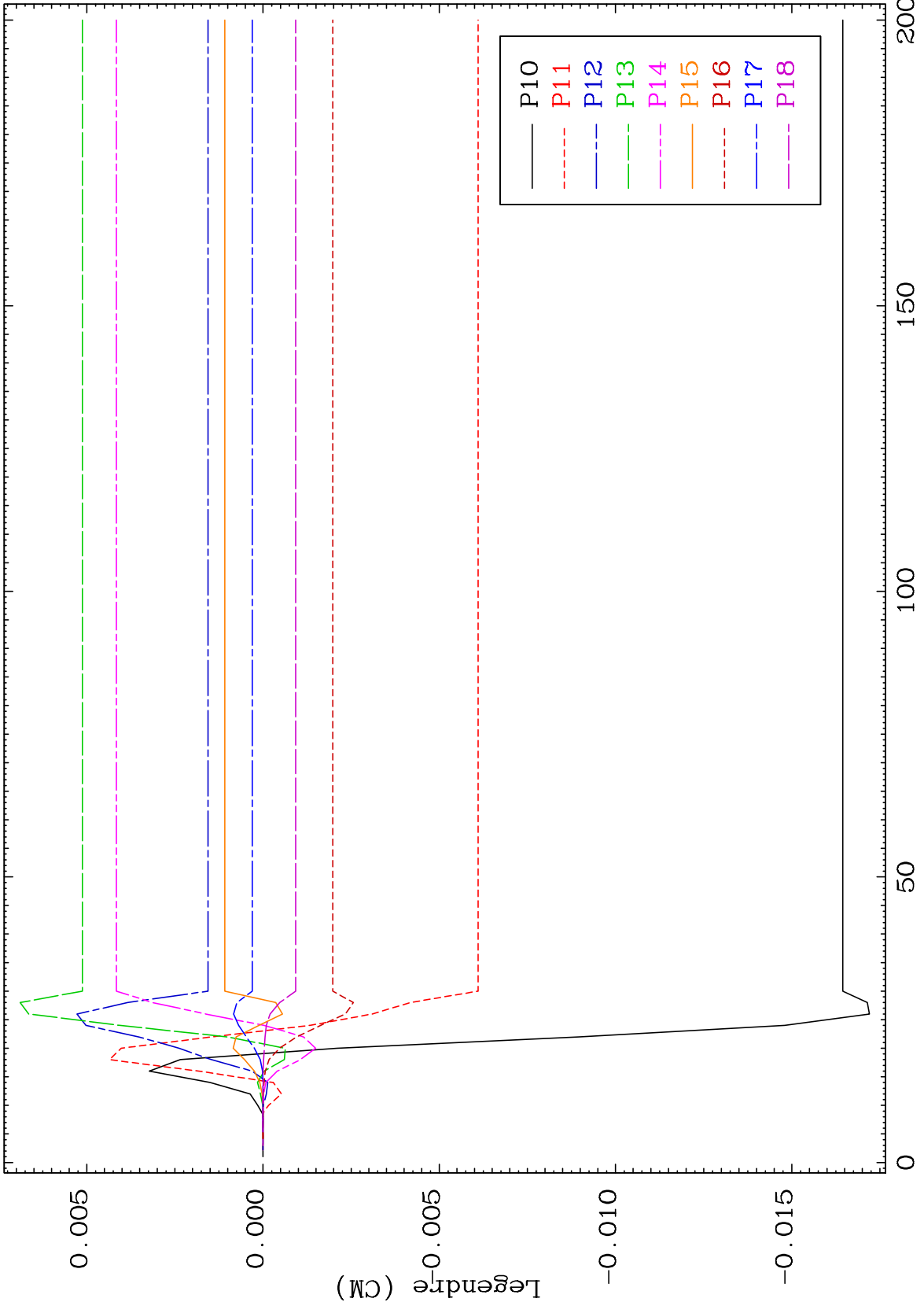


33

Incident Energy (MeV)

75-Re-184

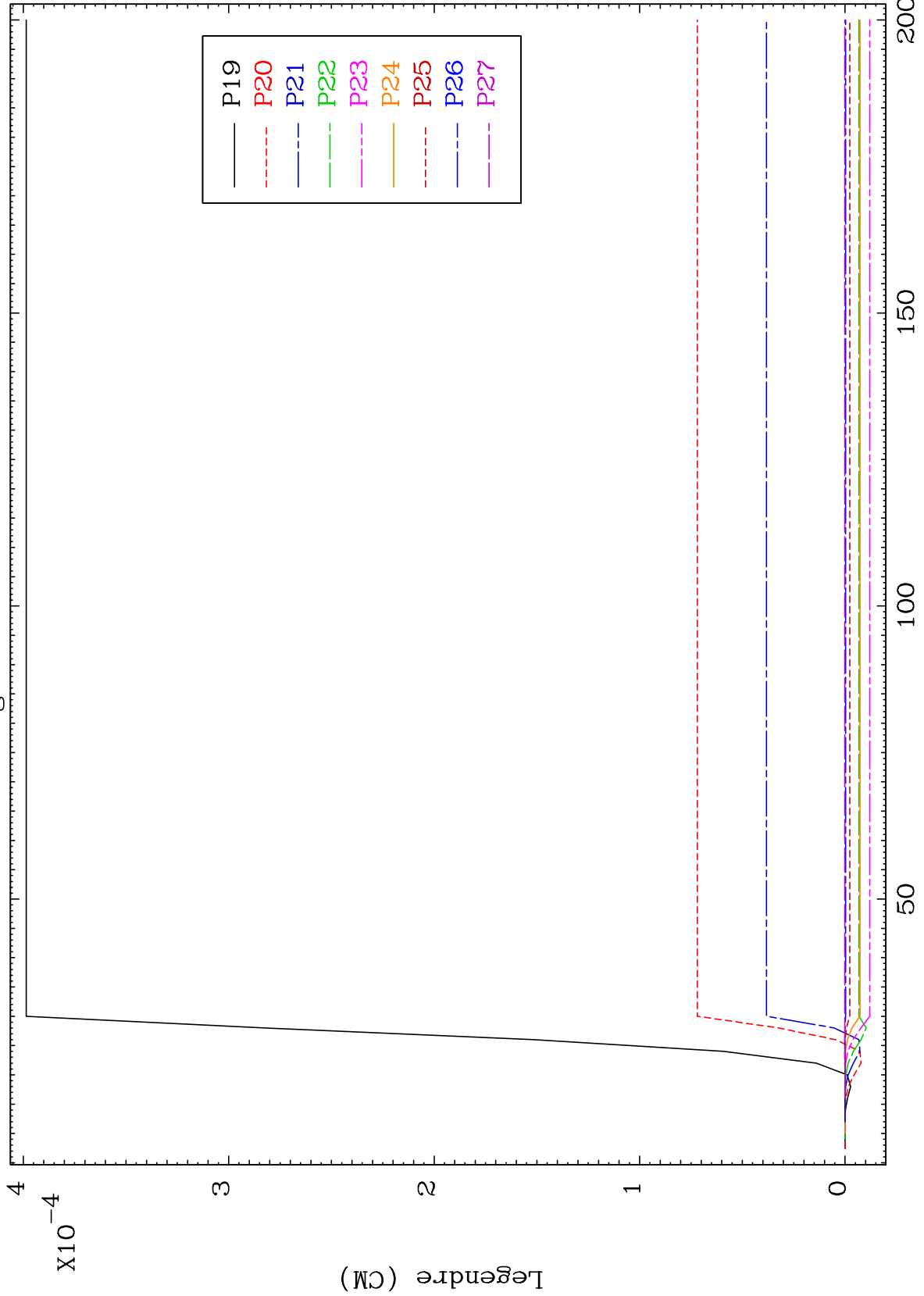
MAT 7522 MT= 55 (n,n') Level Legendre Coefficients 75-Re-184



MAT 7522

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

75-Re-184



35

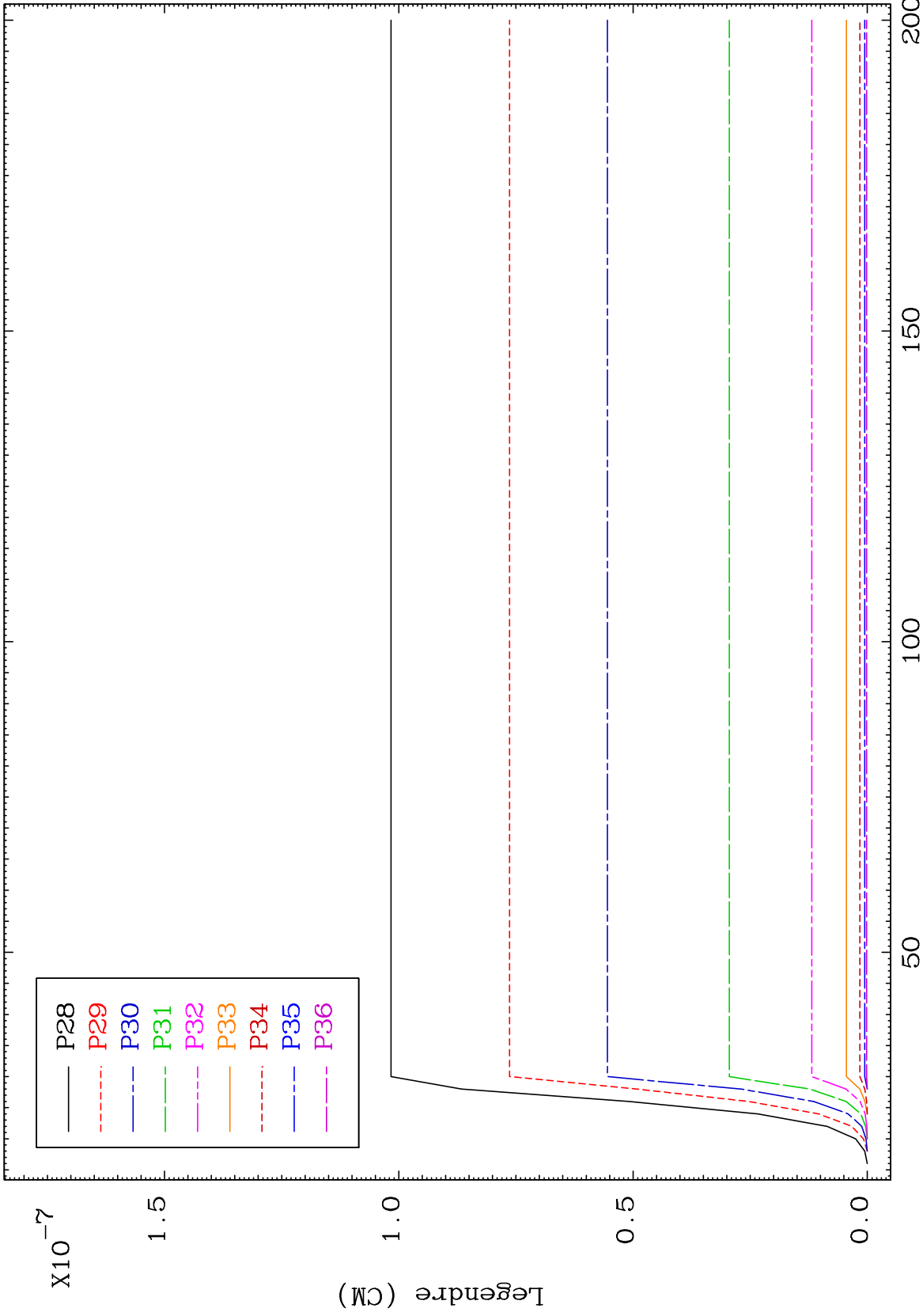
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



36

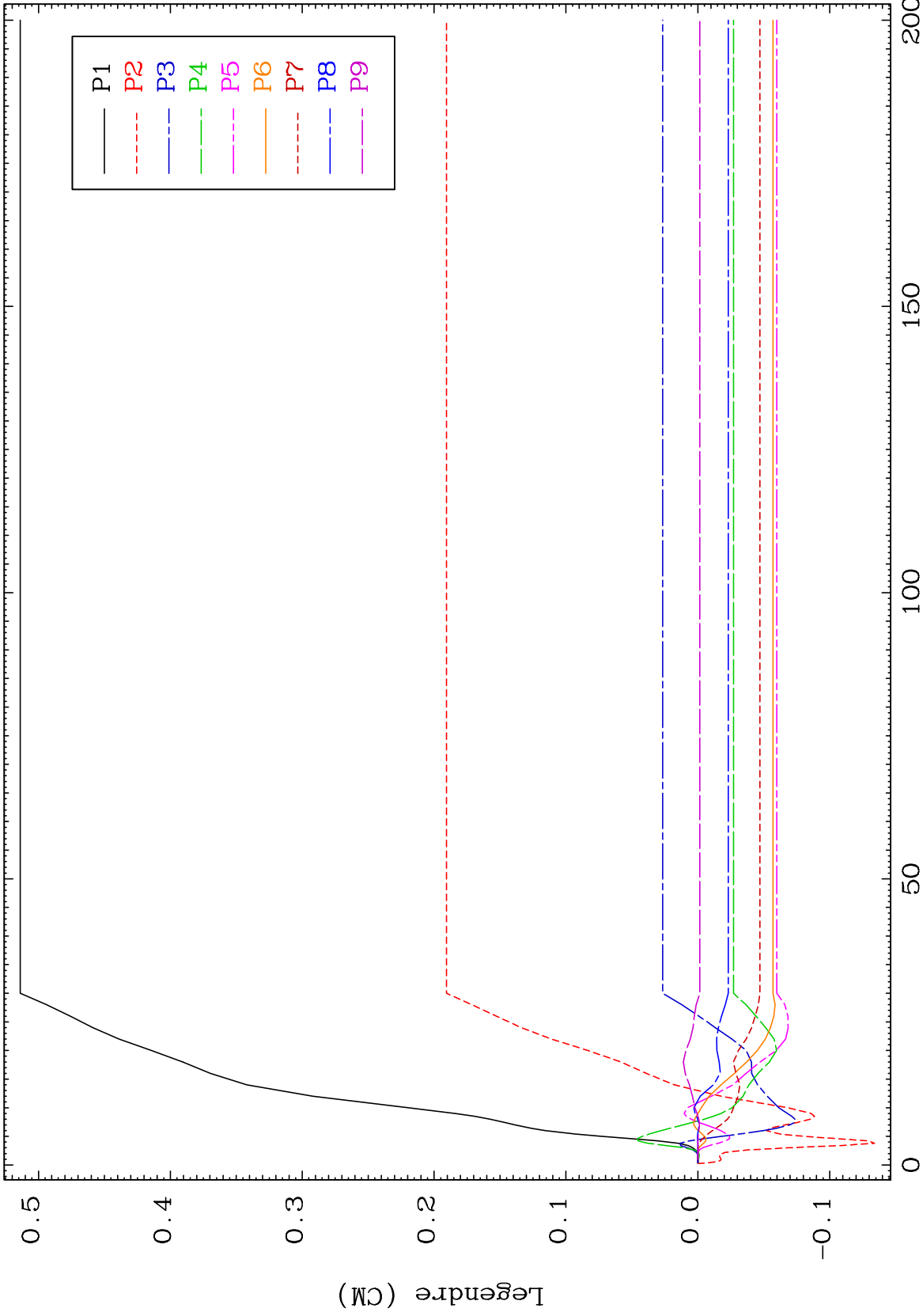
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



37

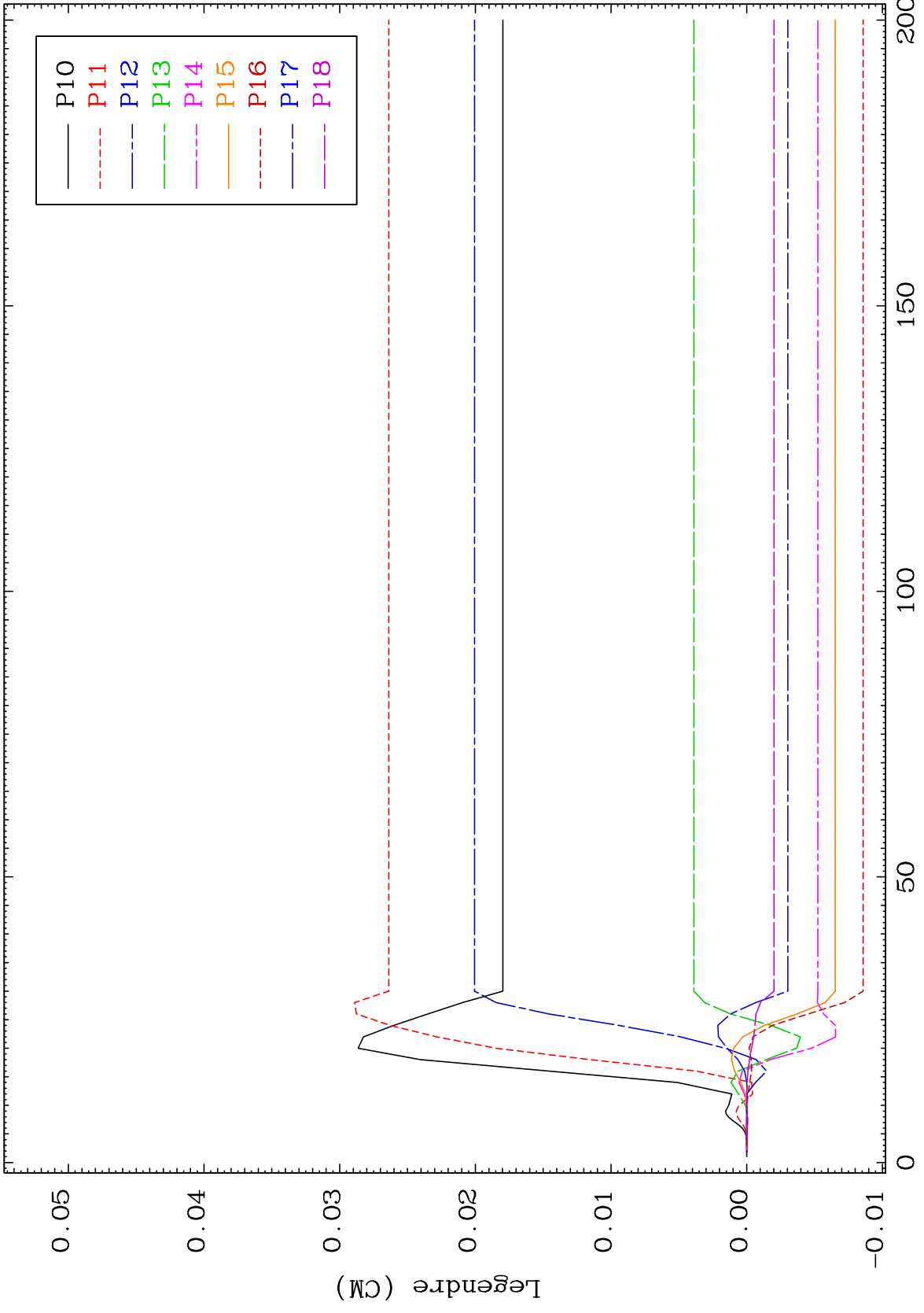
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



38

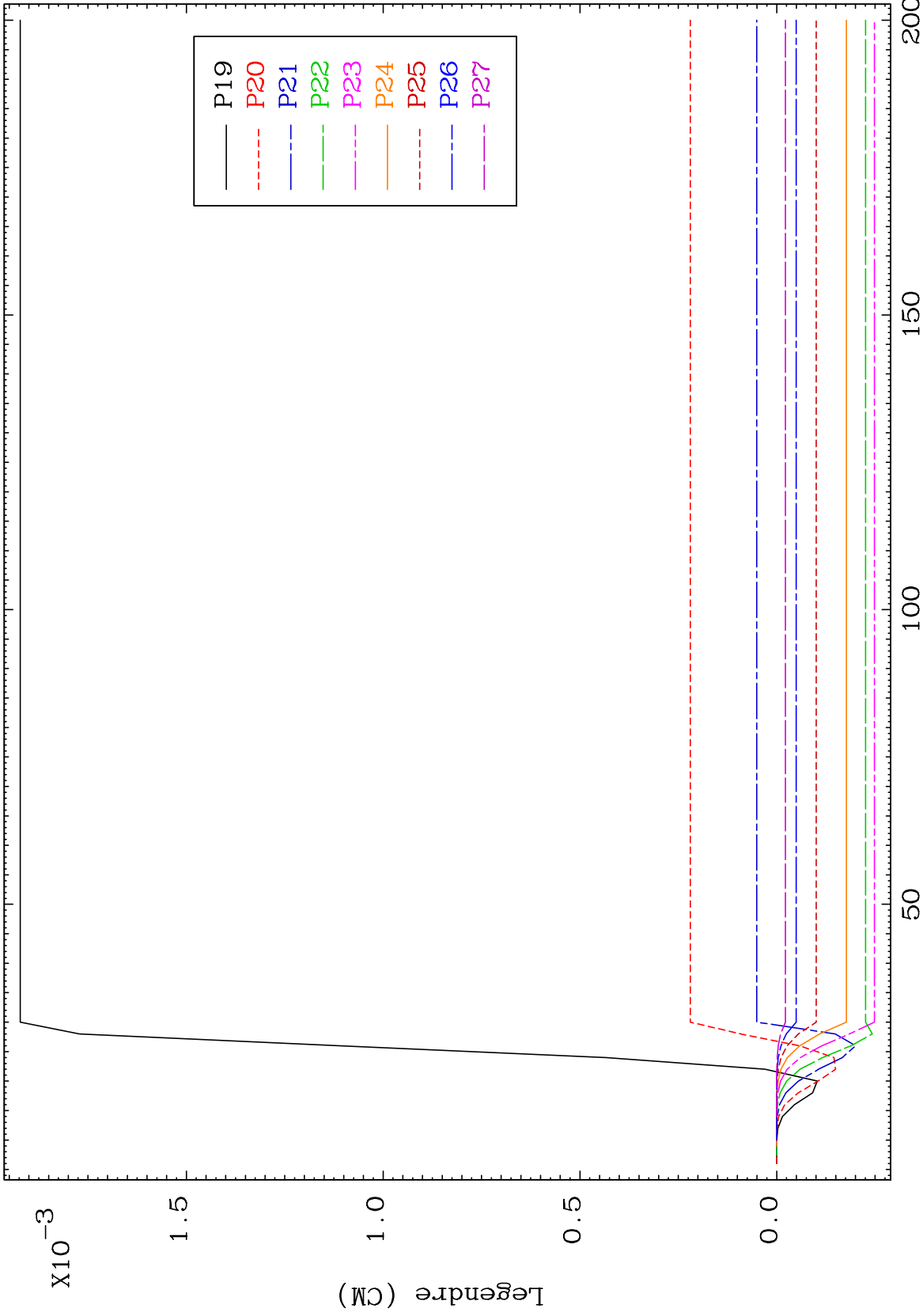
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



39

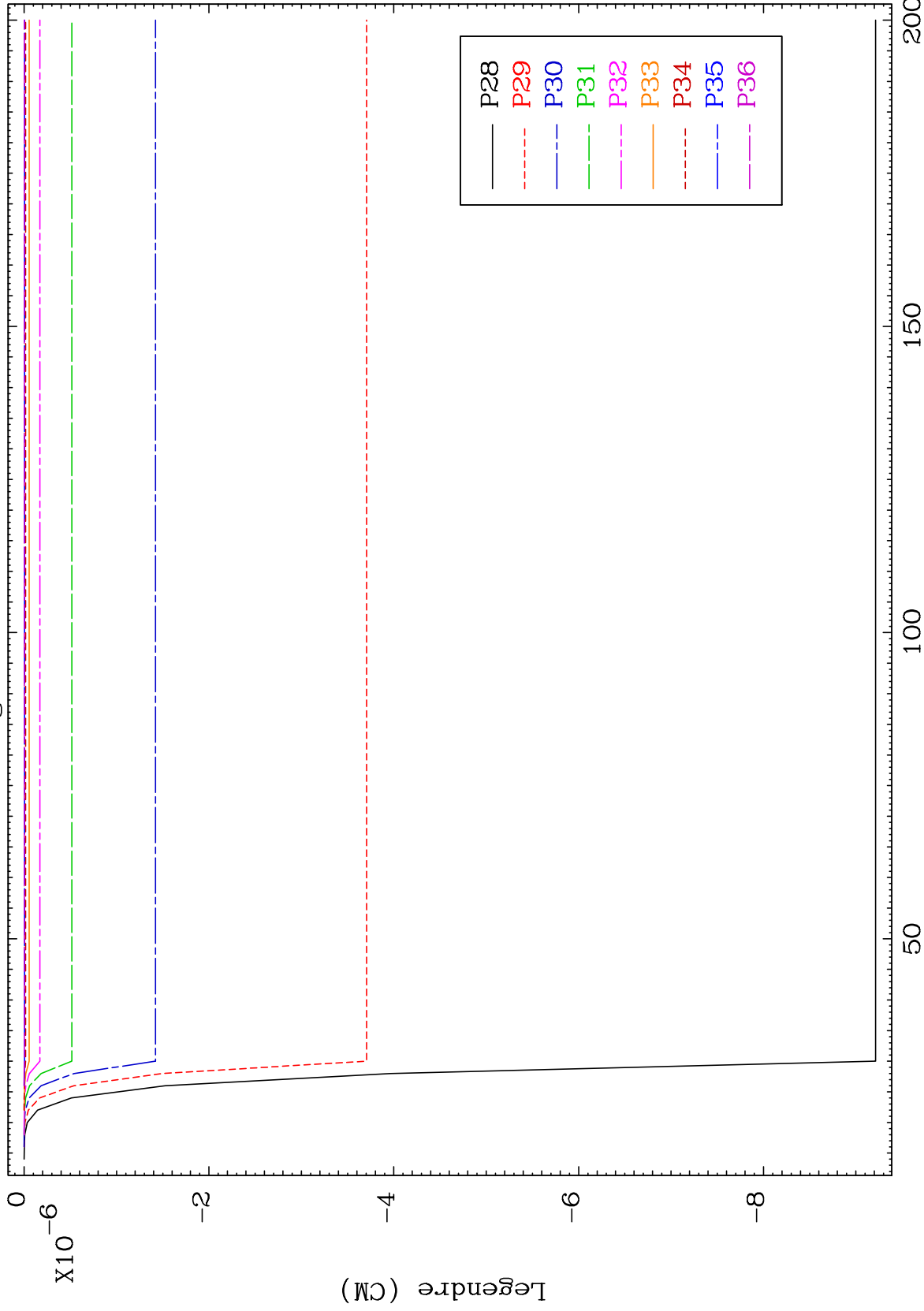
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



75-Re-184

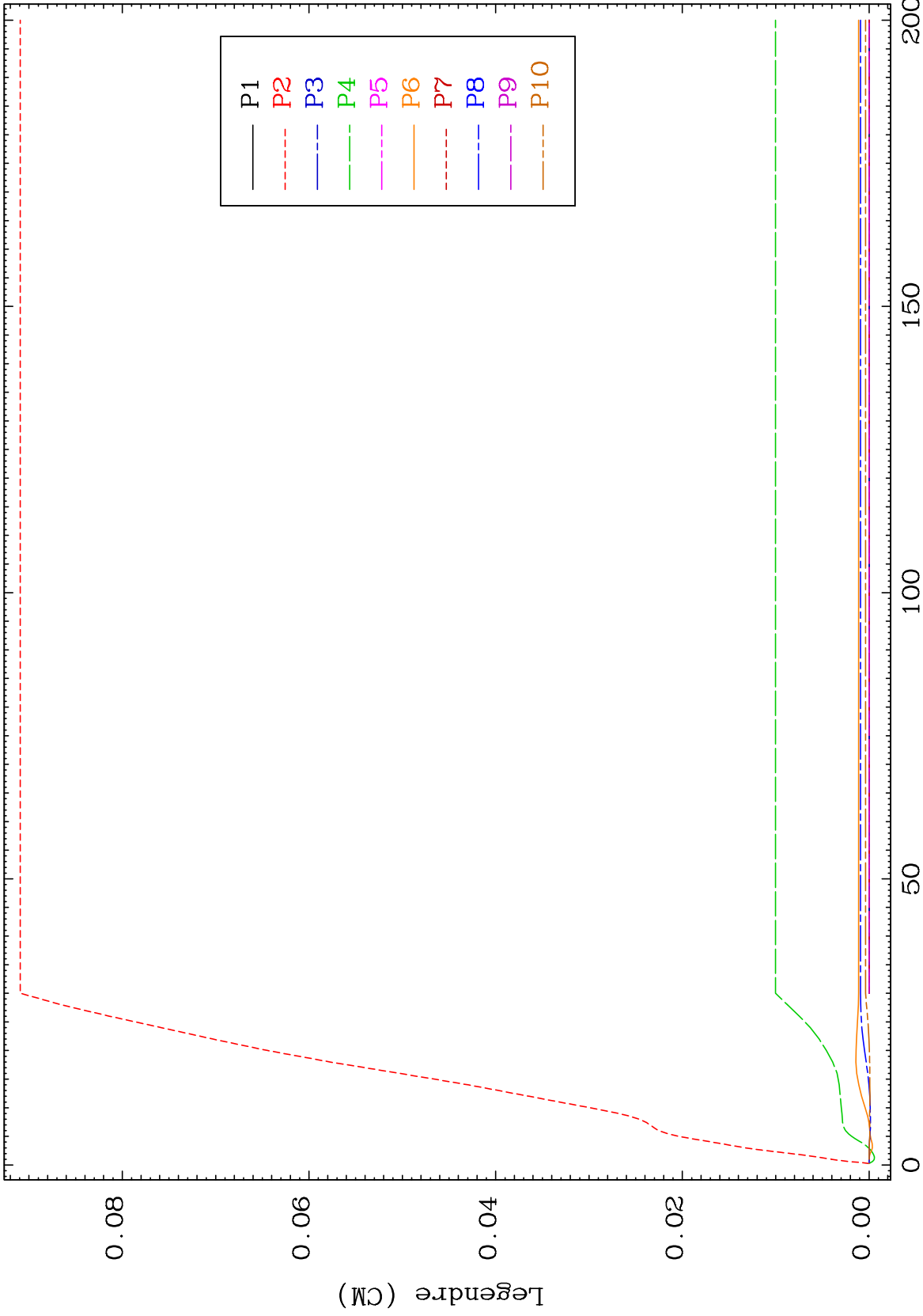
Incident Energy (MeV)

40

MAT 7522

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

75-Re-184



41

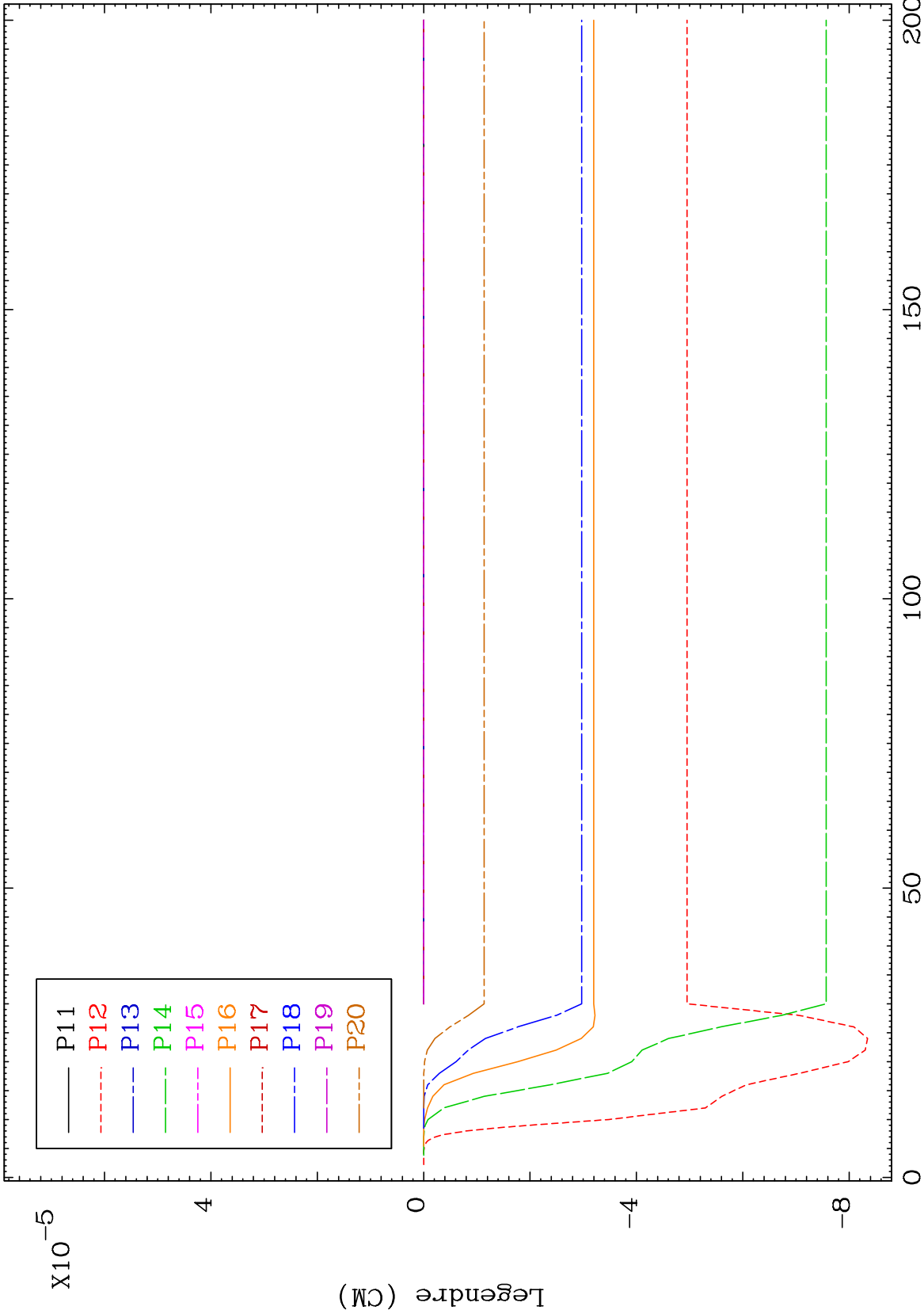
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



42

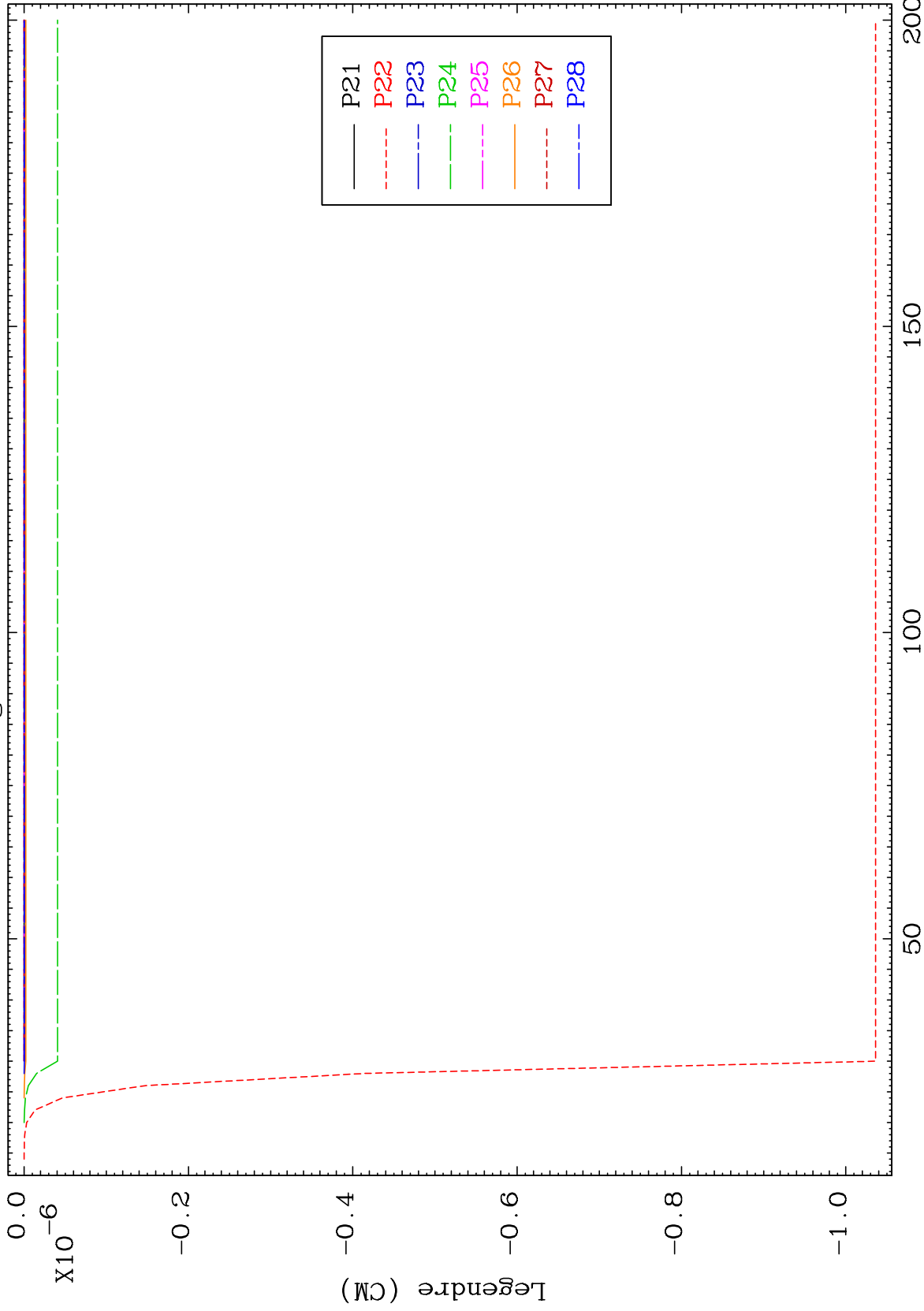
Incident Energy (MeV)

75-Re-184

MAT 7522 MT= 57 (n,n') Level

Legendre Coefficients

75-Re-184



75-Re-184

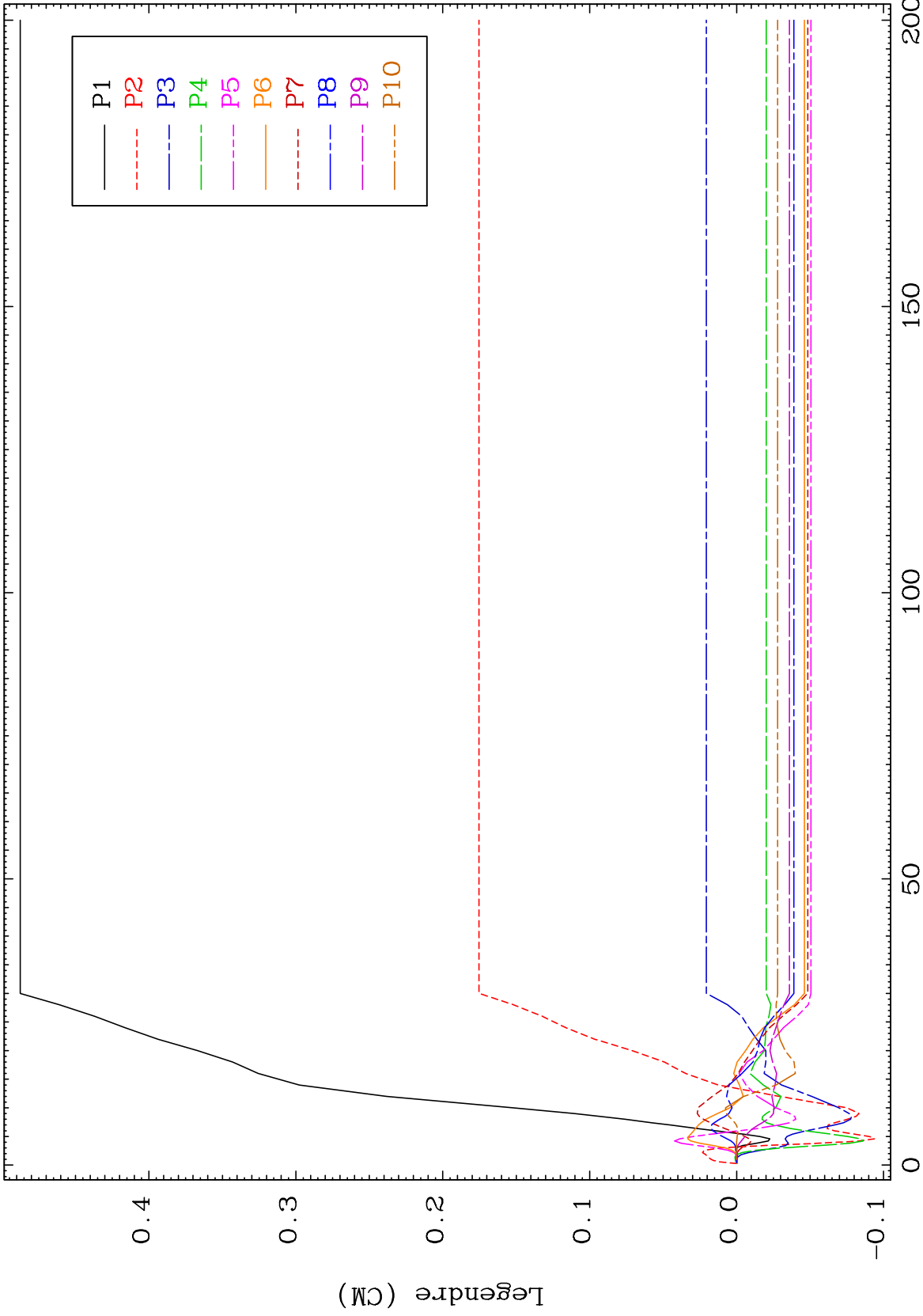
Incident Energy (MeV)

43

MAT 7522

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

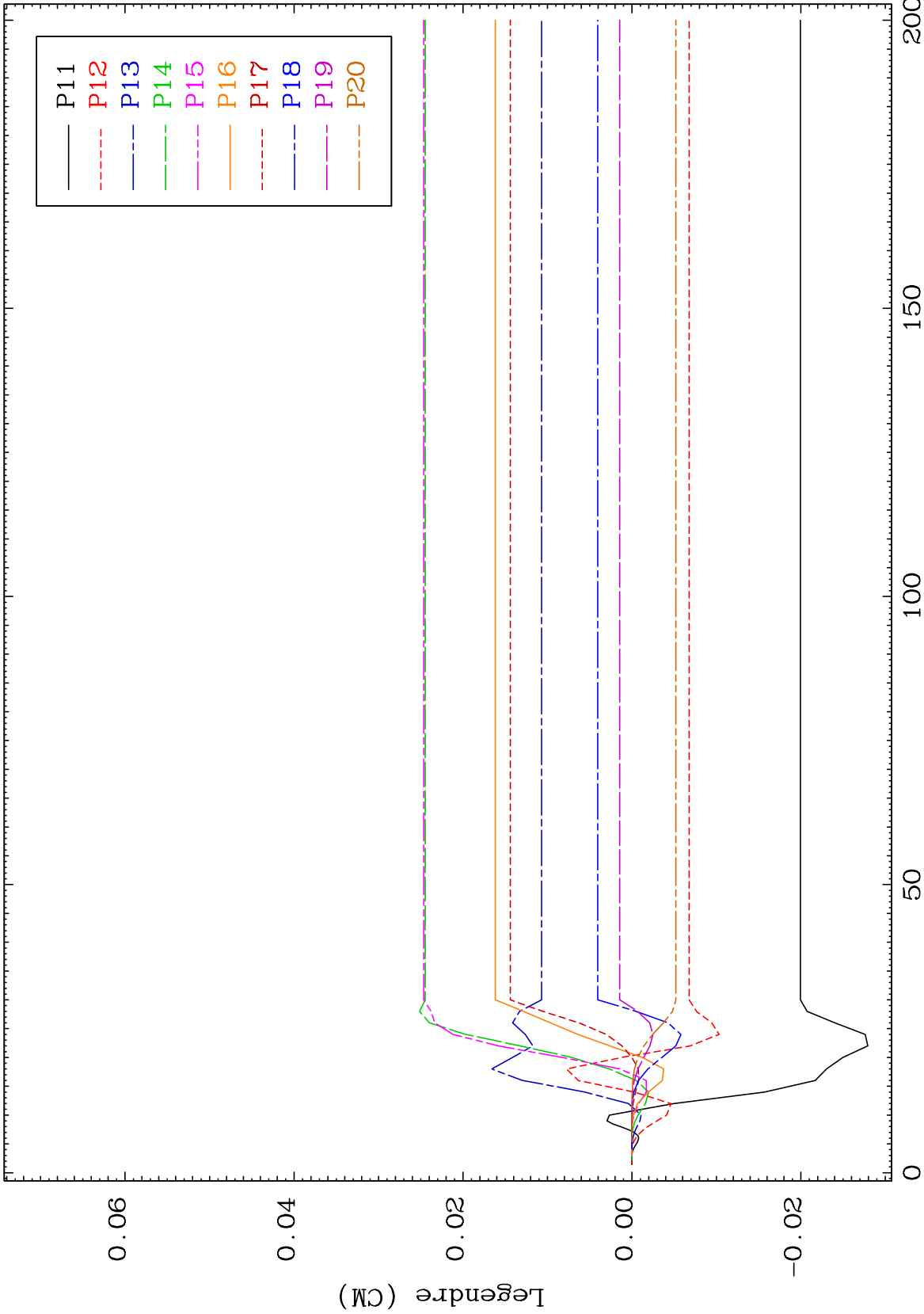
75-Re-184



MAT 7522

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

75-Re-184



45

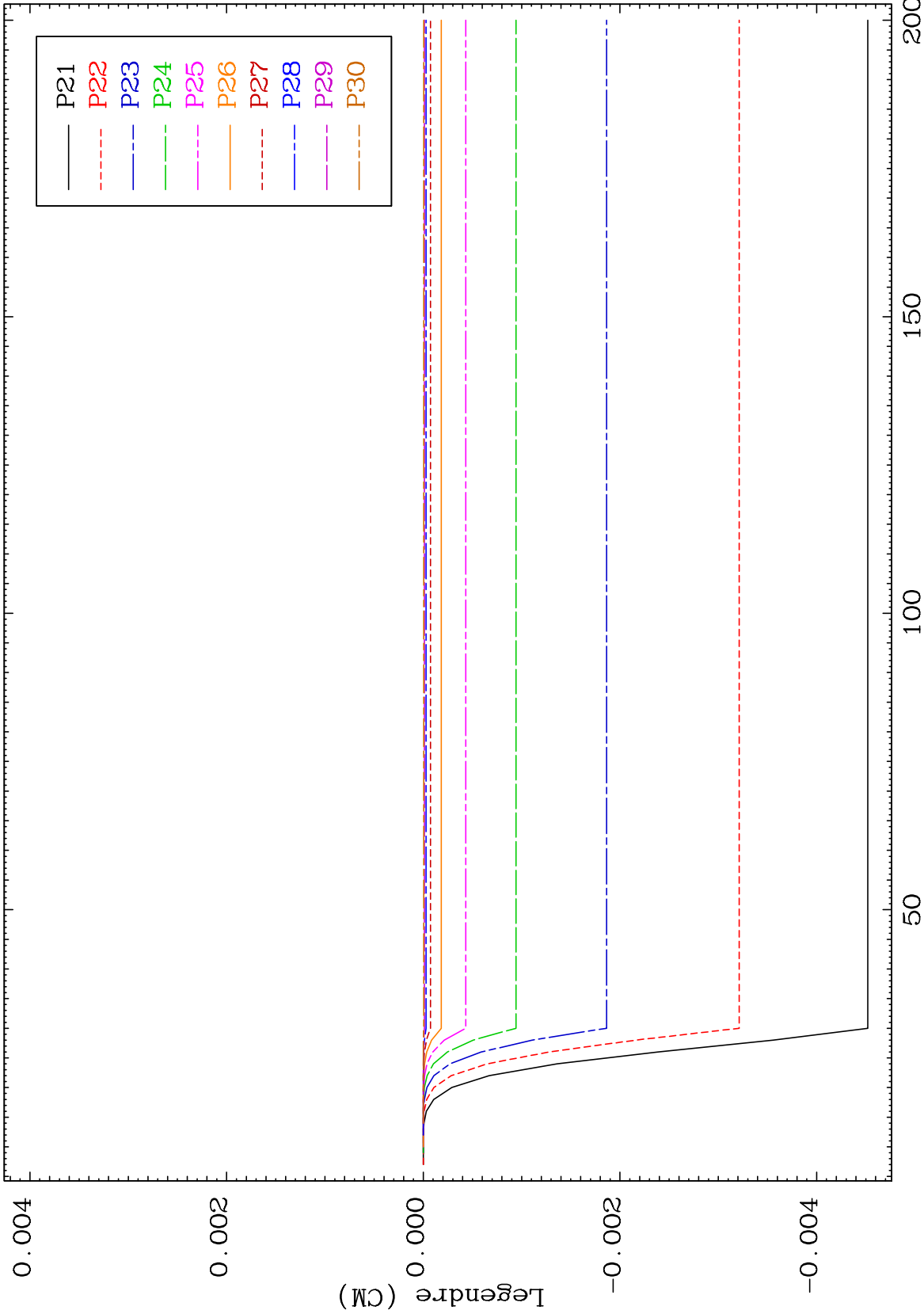
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



46

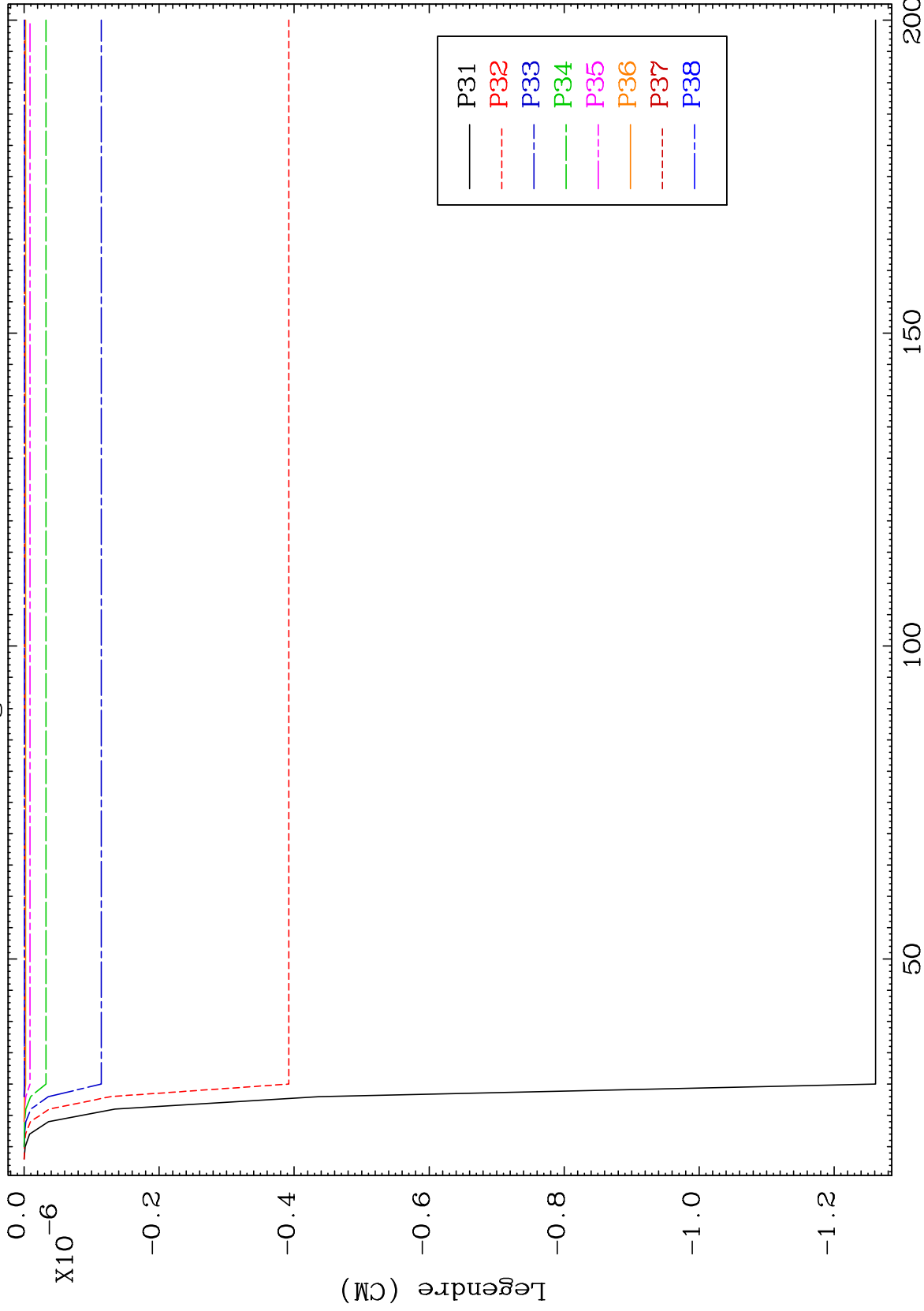
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



75-Re-184

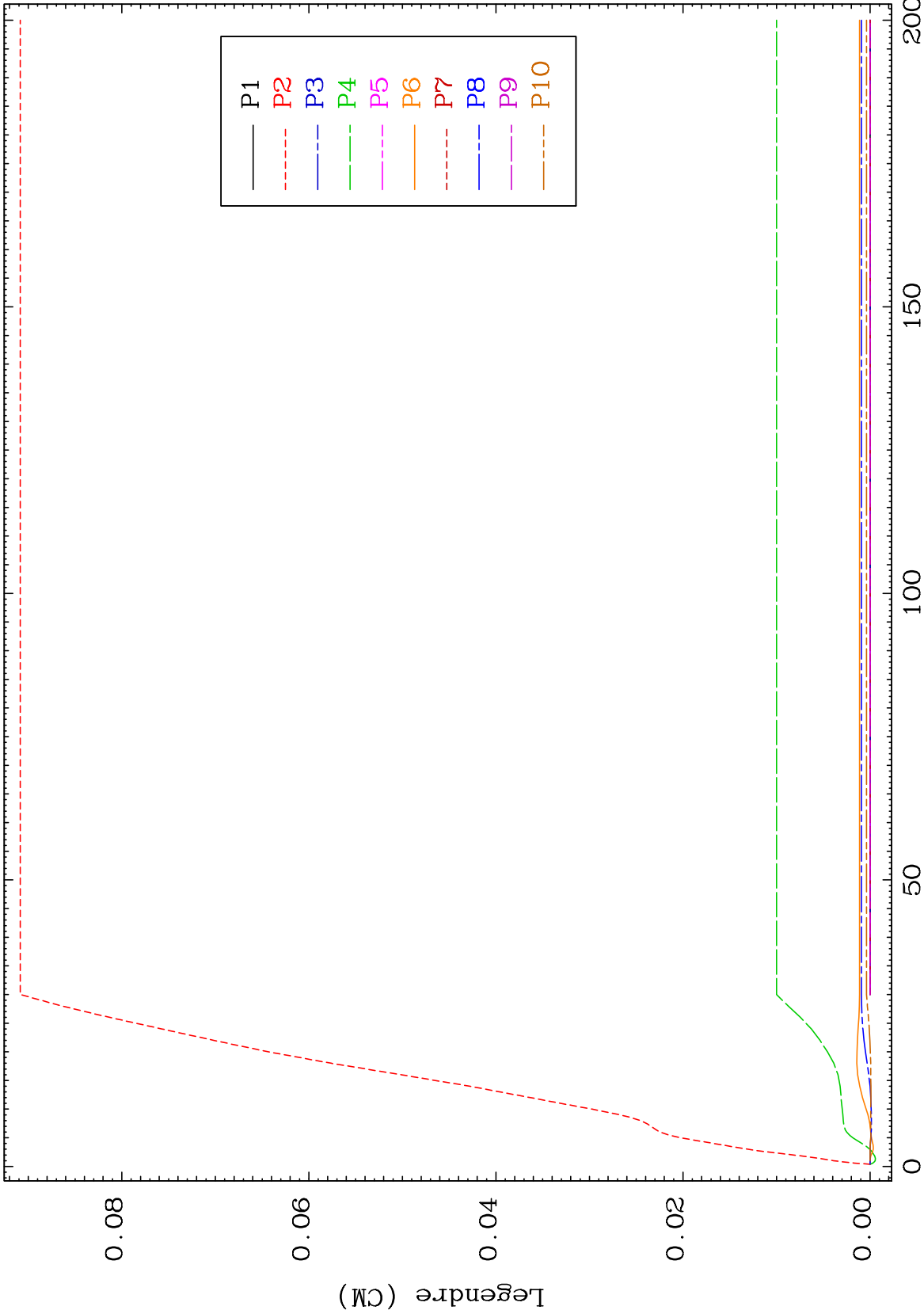
Incident Energy (MeV)

47

MAT 7522

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

75-Re-184



48

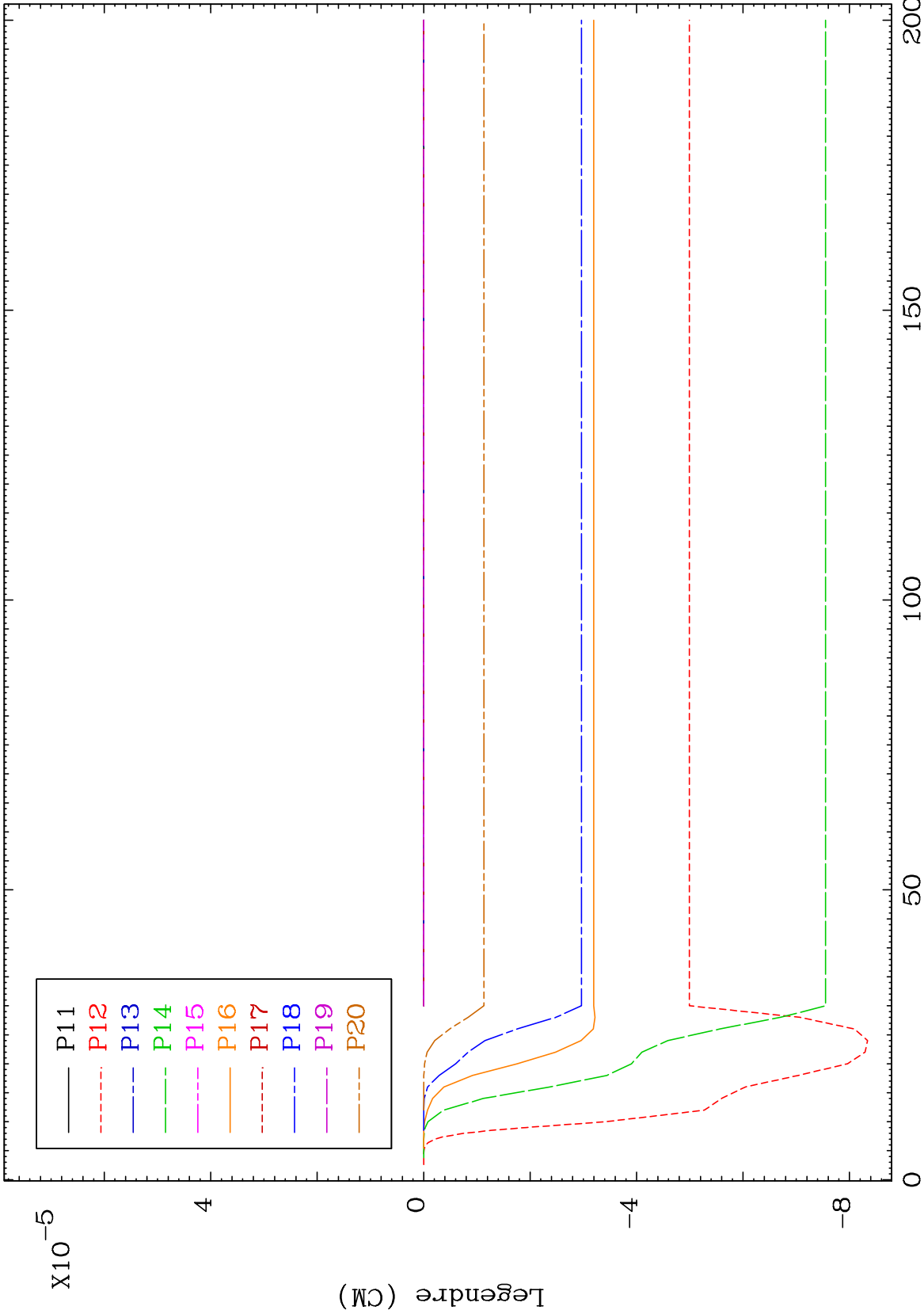
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



49

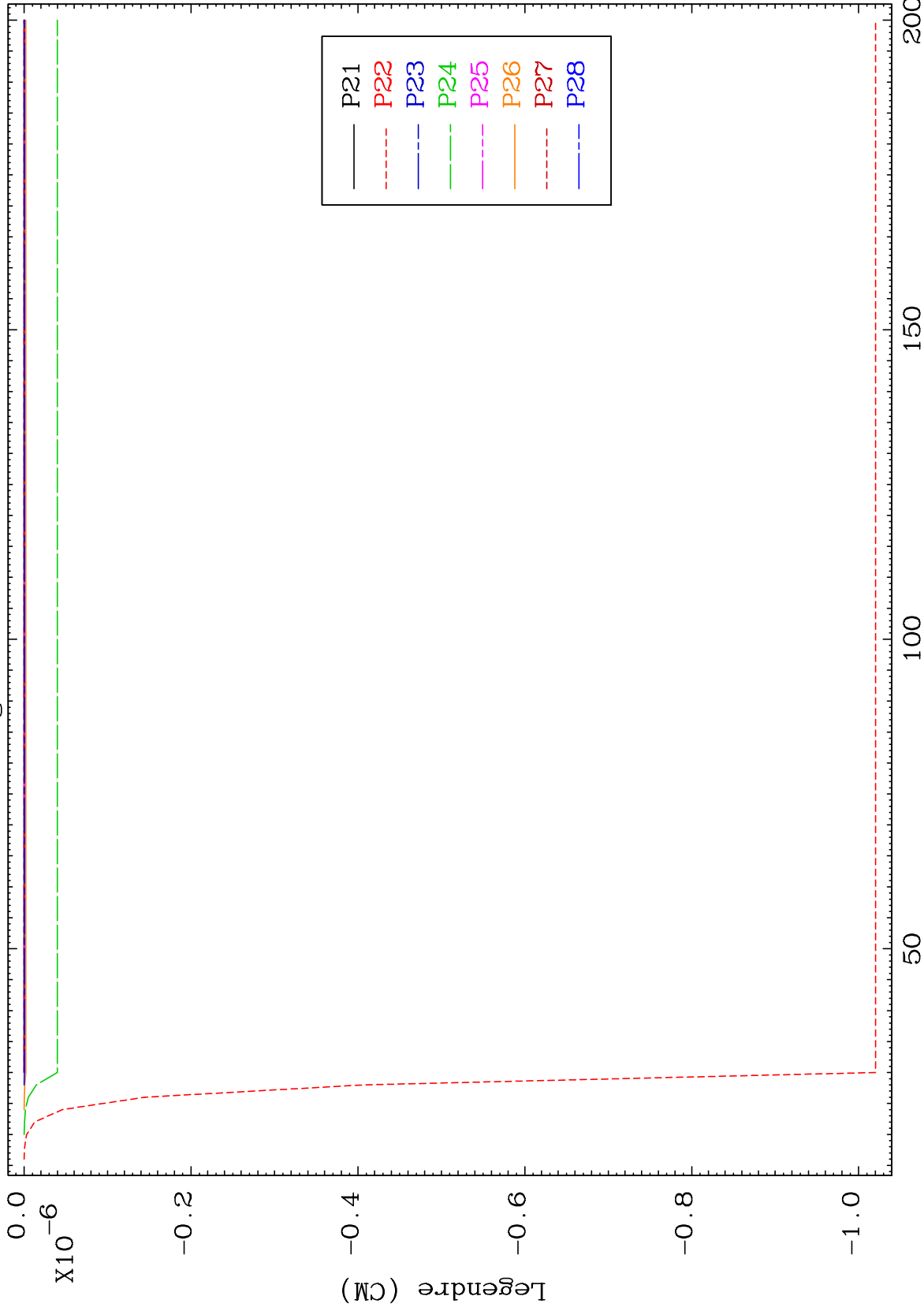
Incident Energy (MeV)

75-Re-184

MAT 7522

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

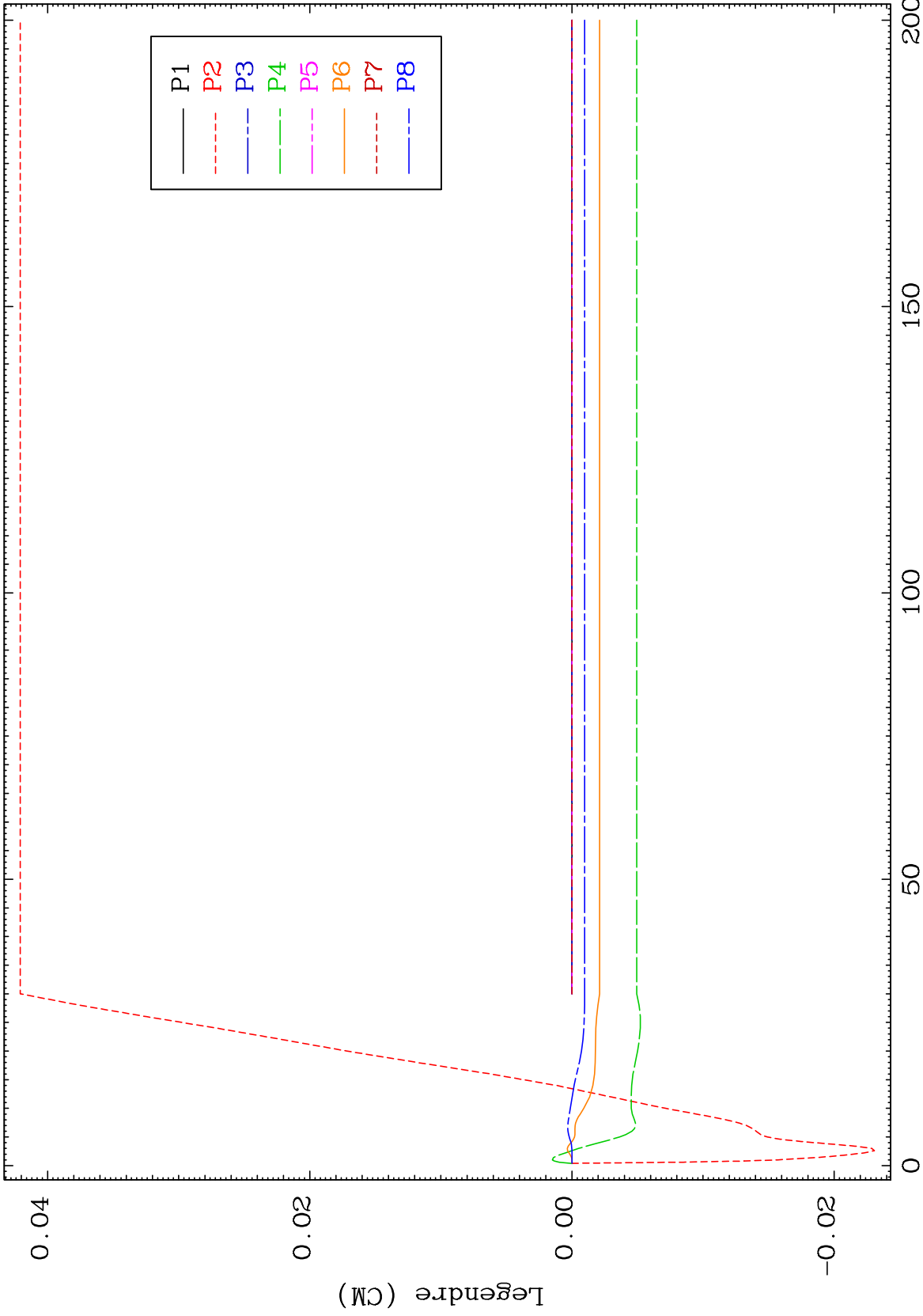
75-Re-184



MAT 7522

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

75-Re-184



51

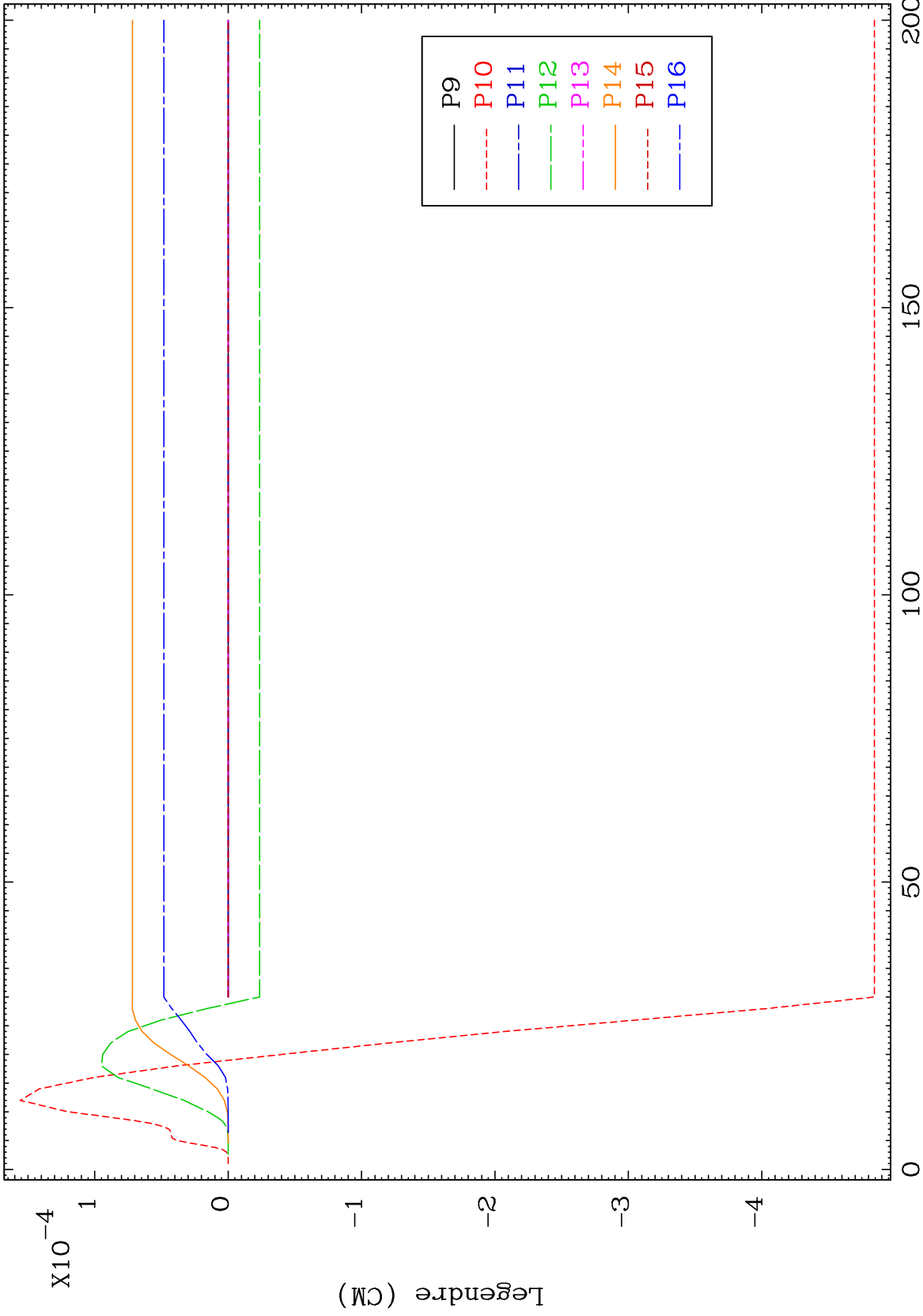
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



52

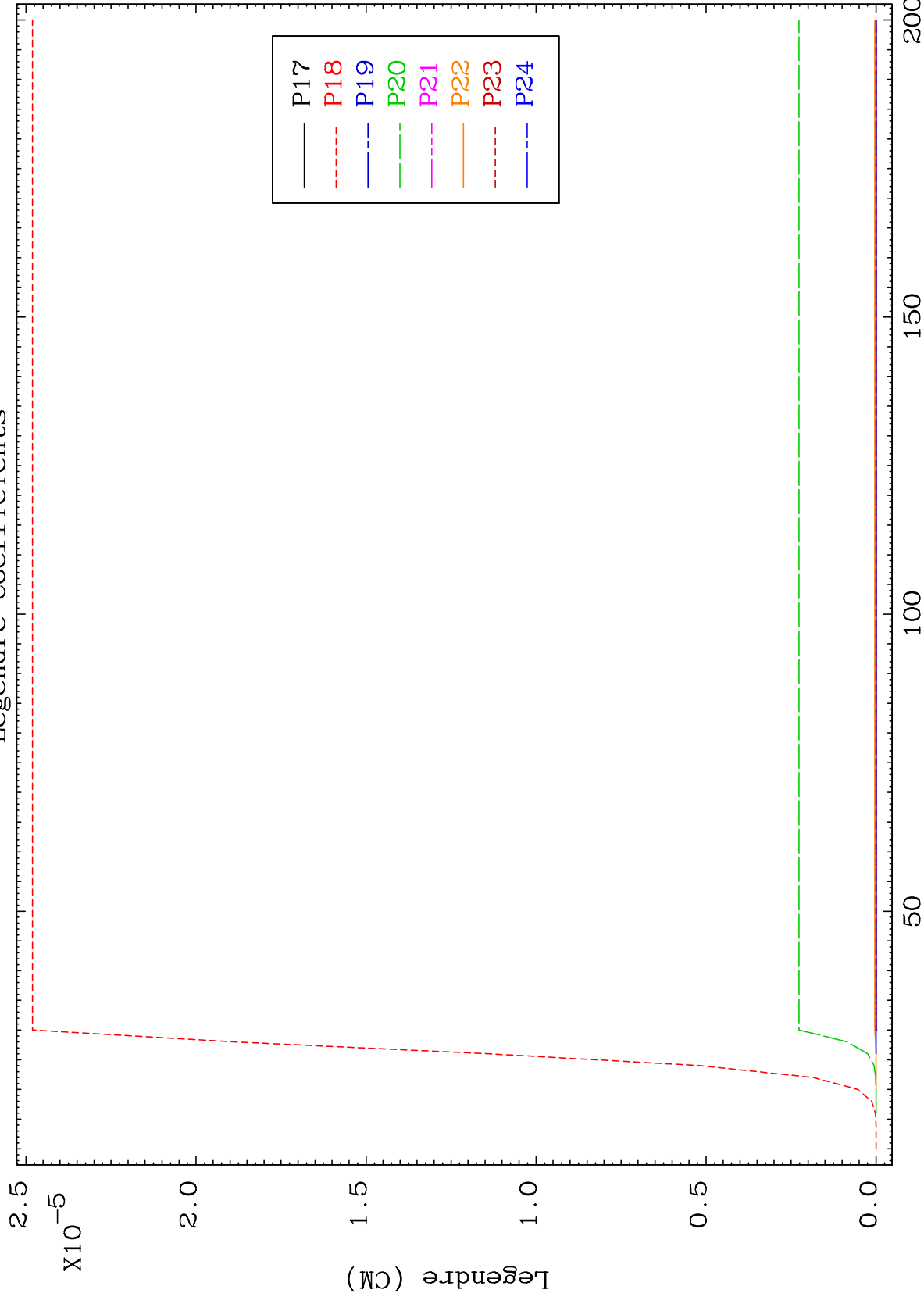
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



75-Re-184

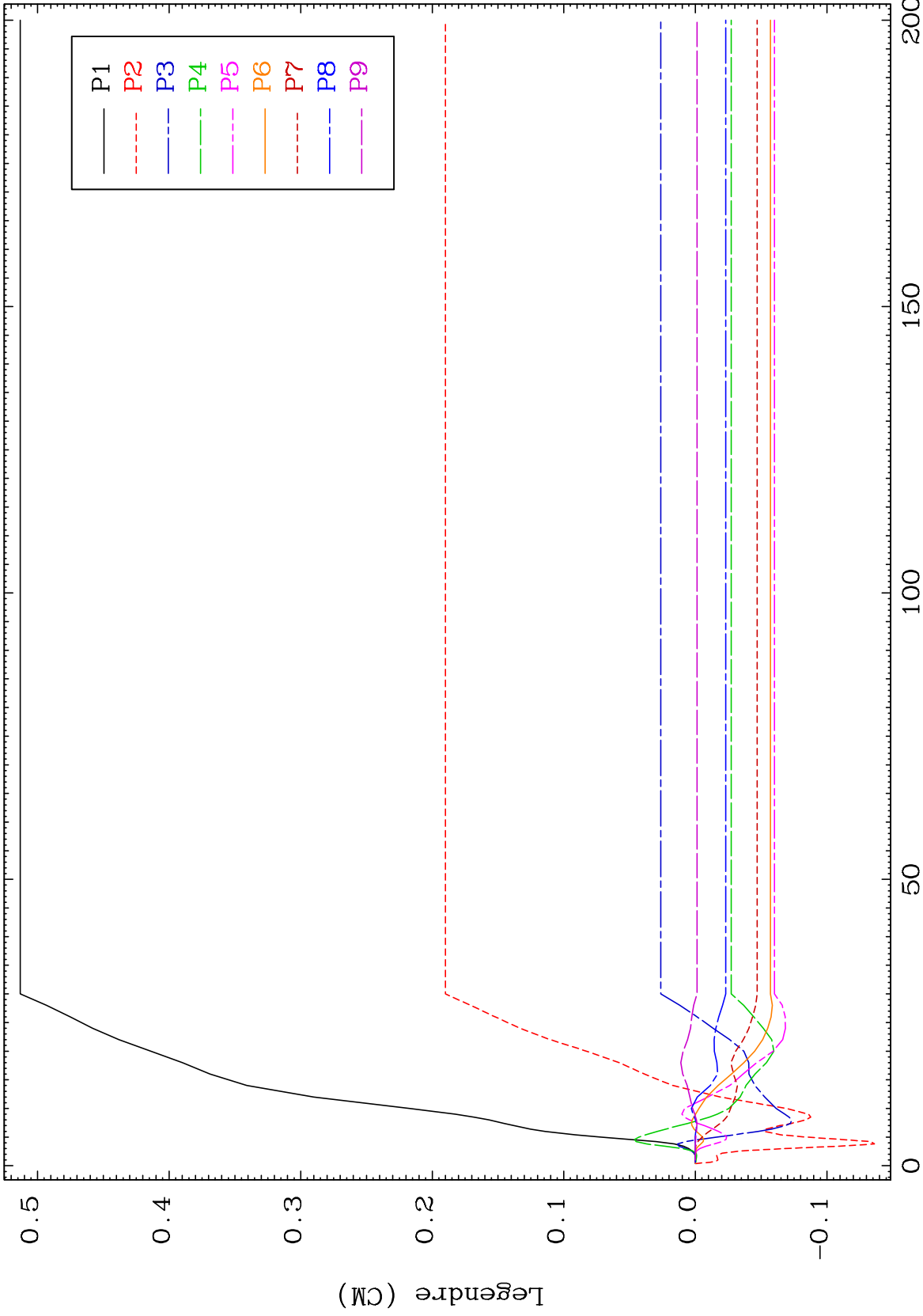
Incident Energy (MeV)

53

MAT 7522

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

75-Re-184



54

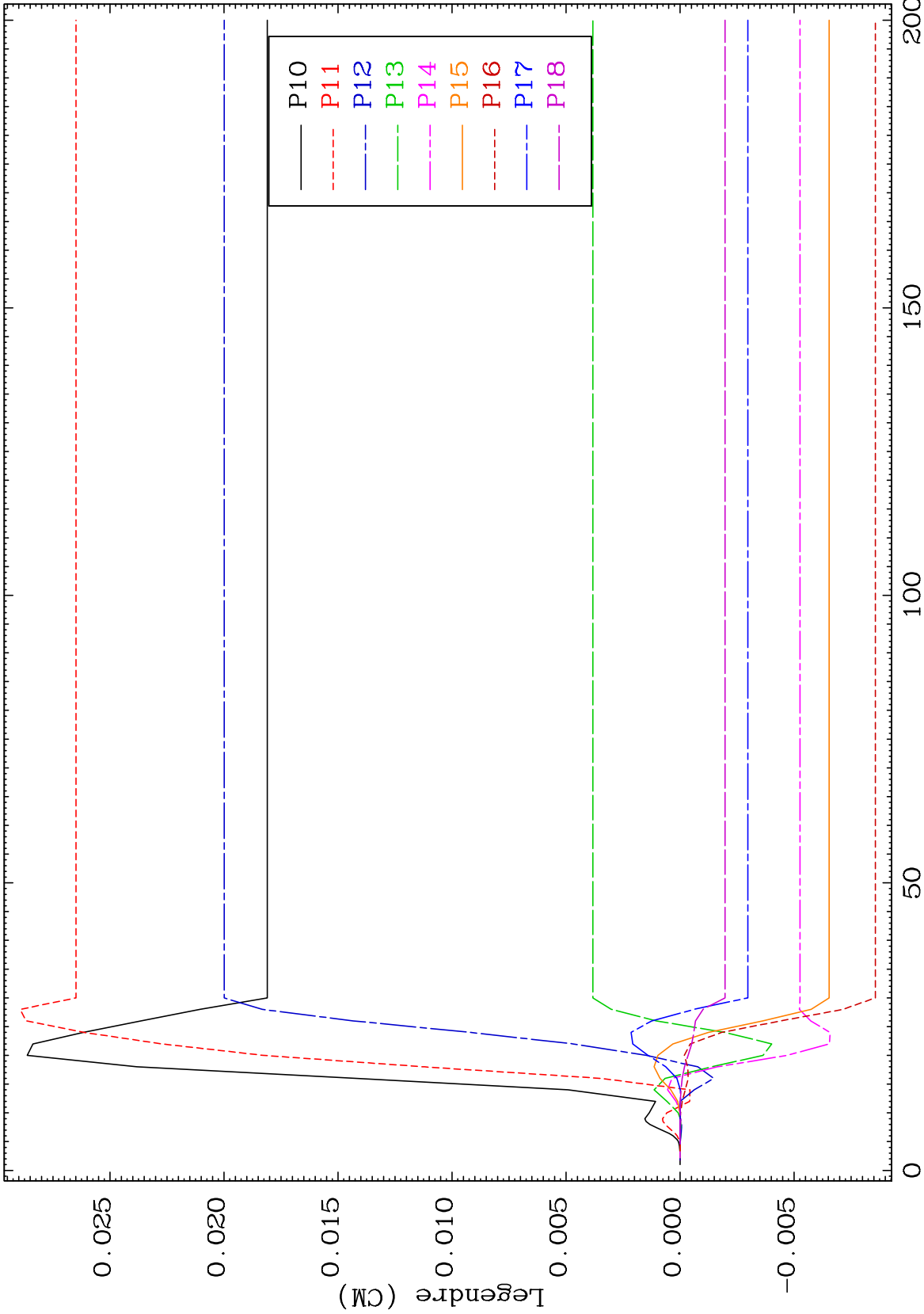
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



55

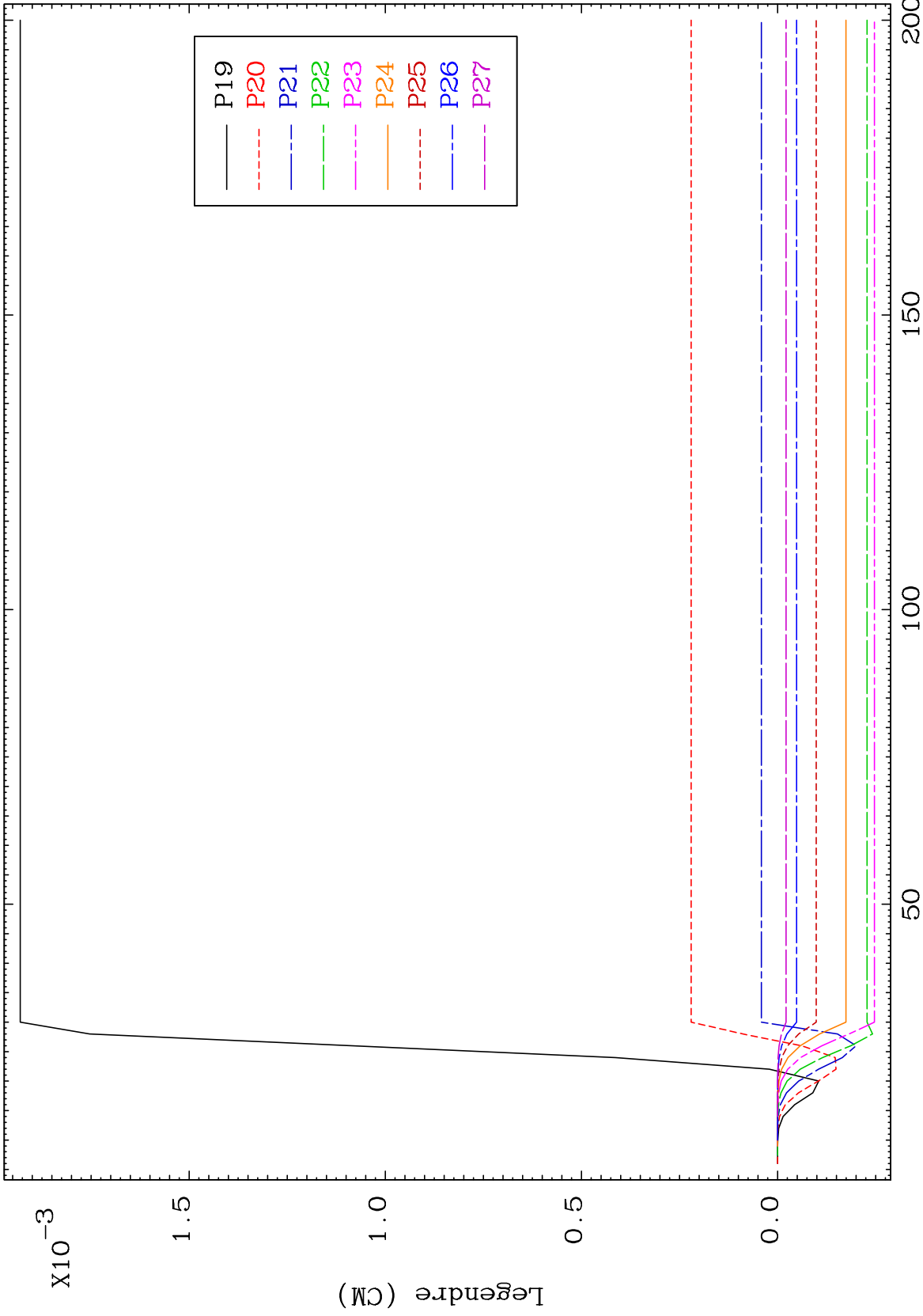
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



56

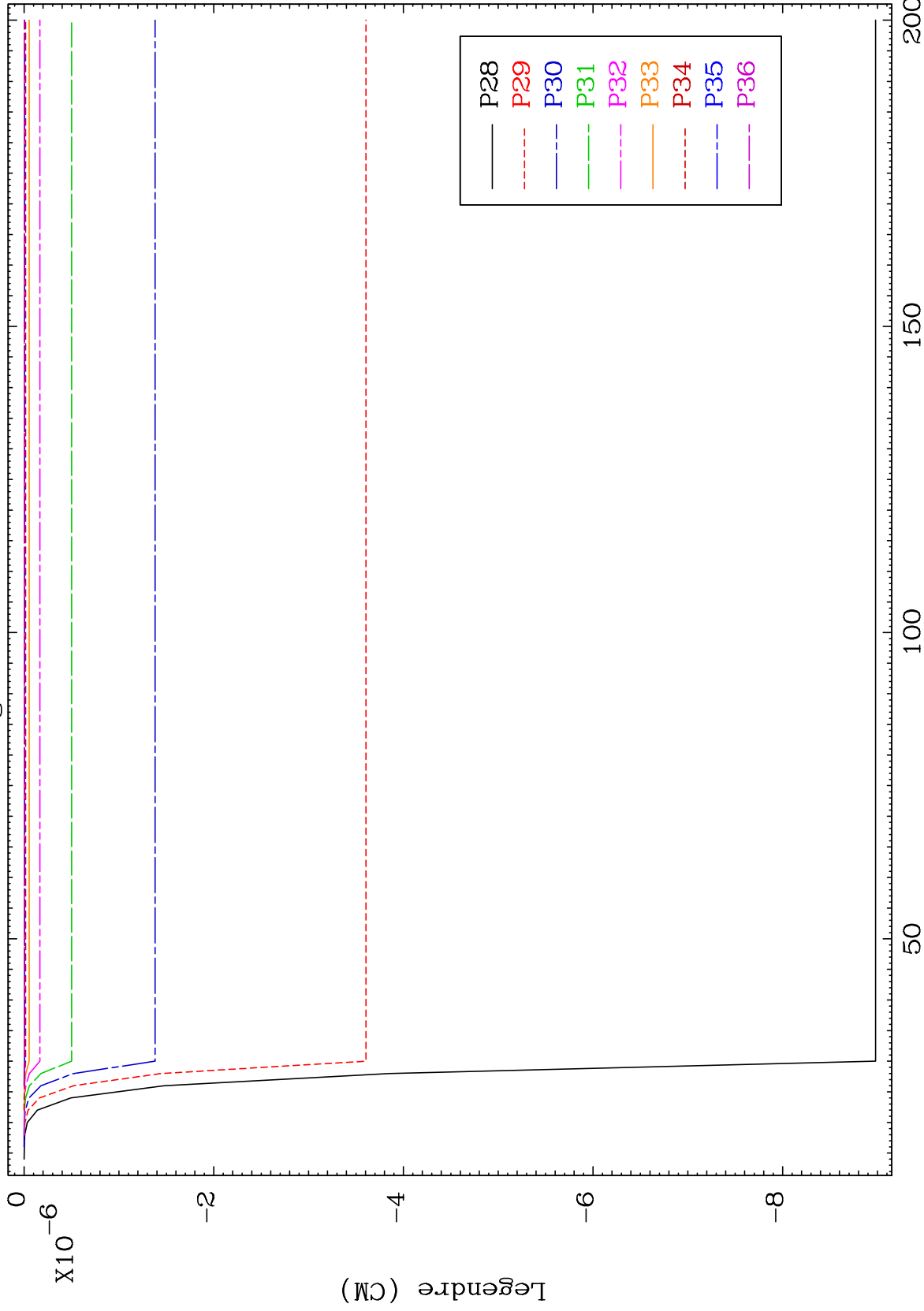
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



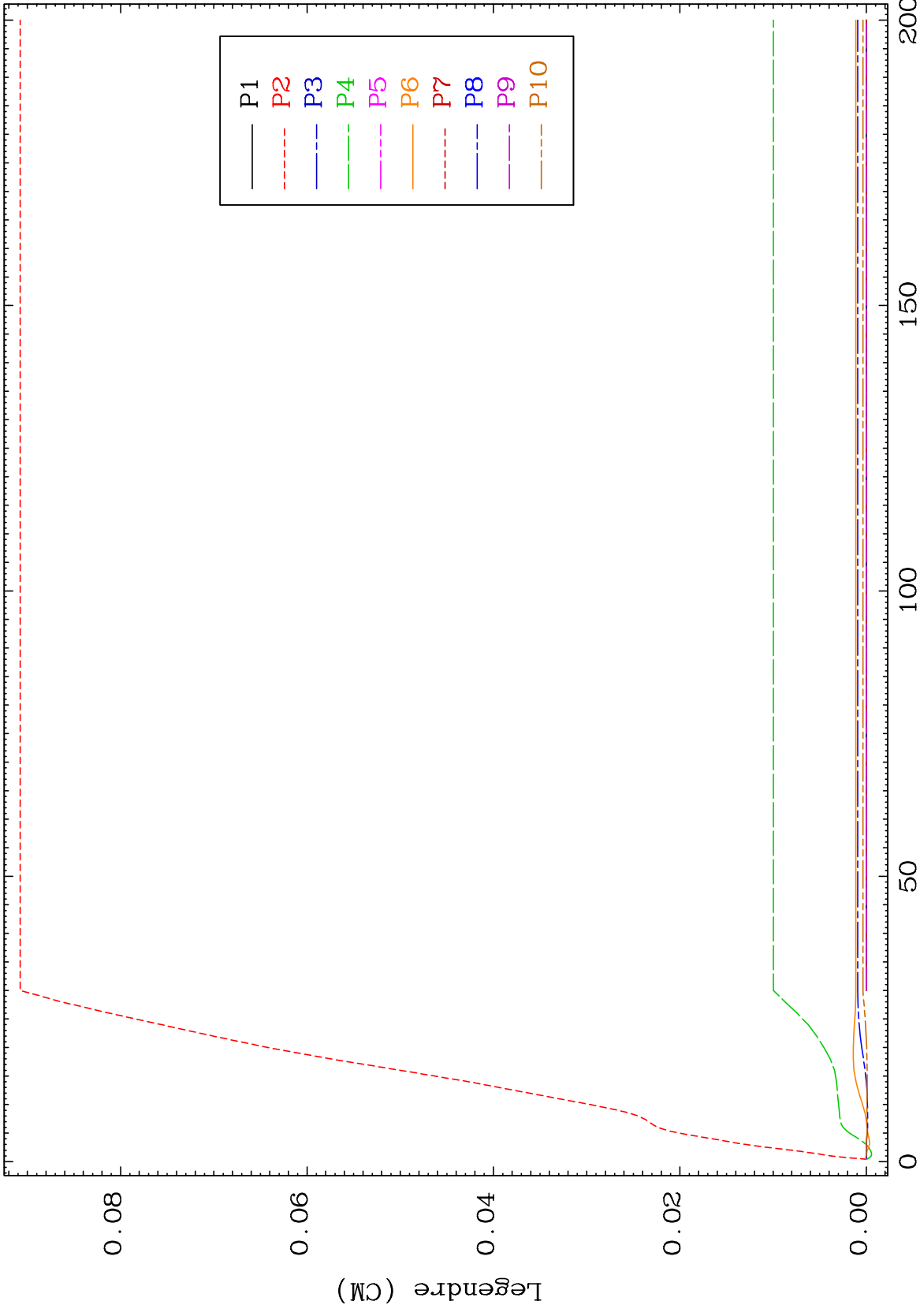
57

75-Re-184

MAT 7522

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

75-Re-184



58

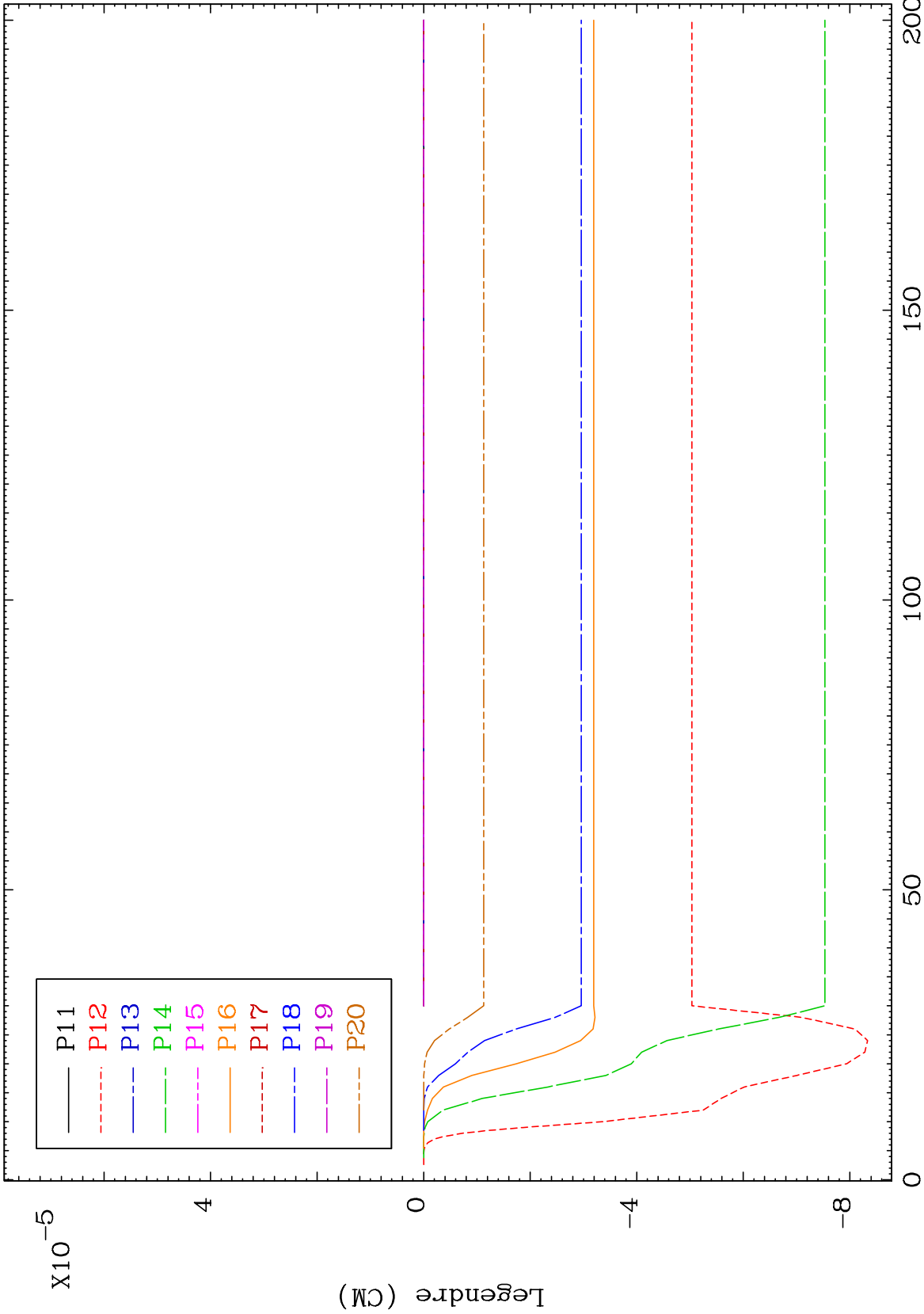
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



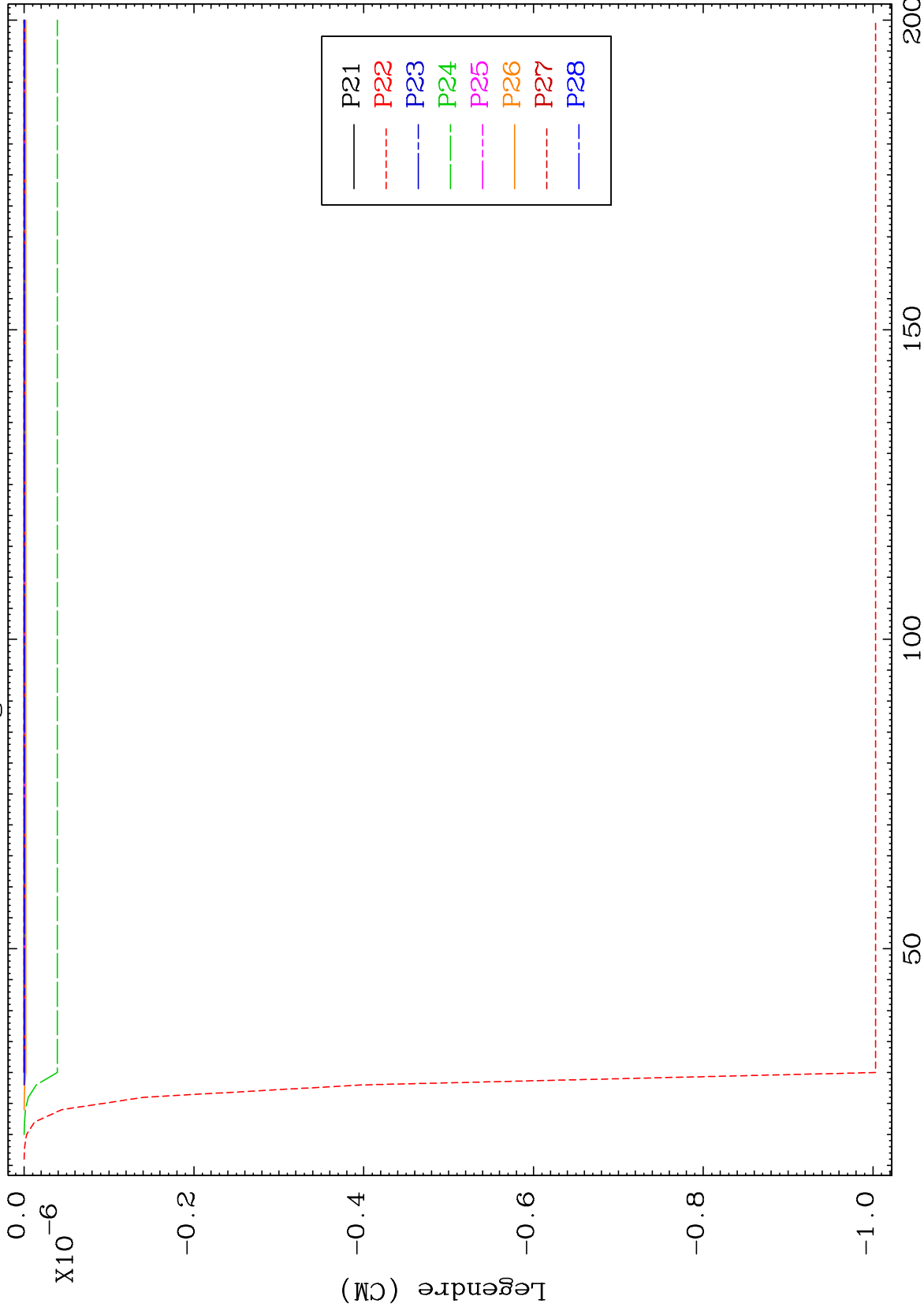
59

Incident Energy (MeV)

75-Re-184

MAT 7522 MT= 62 (n, n') Level 75-Re-184

Legendre Coefficients



75-Re-184

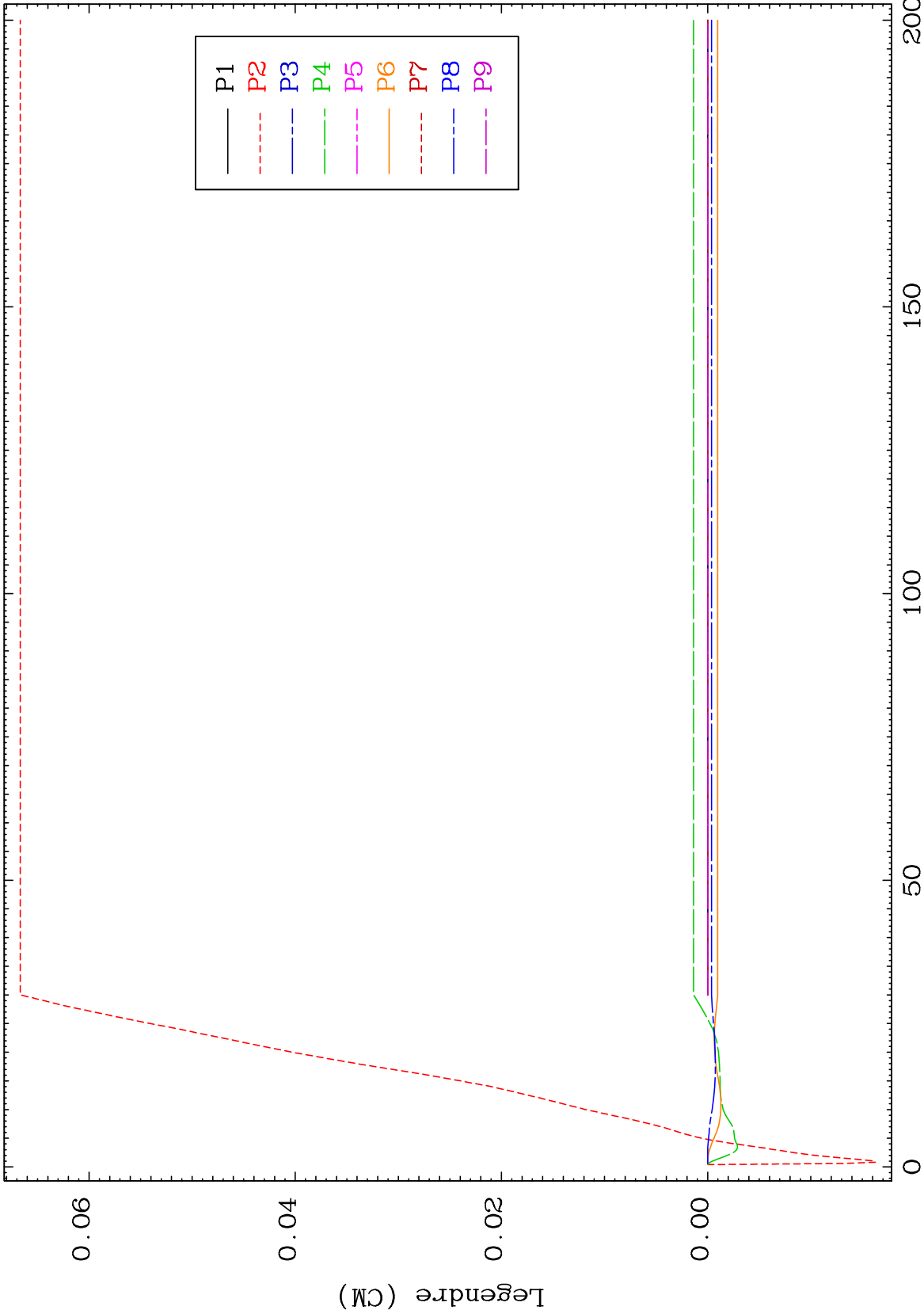
Incident Energy (MeV)

60

MAT 7522

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

75-Re-184



61

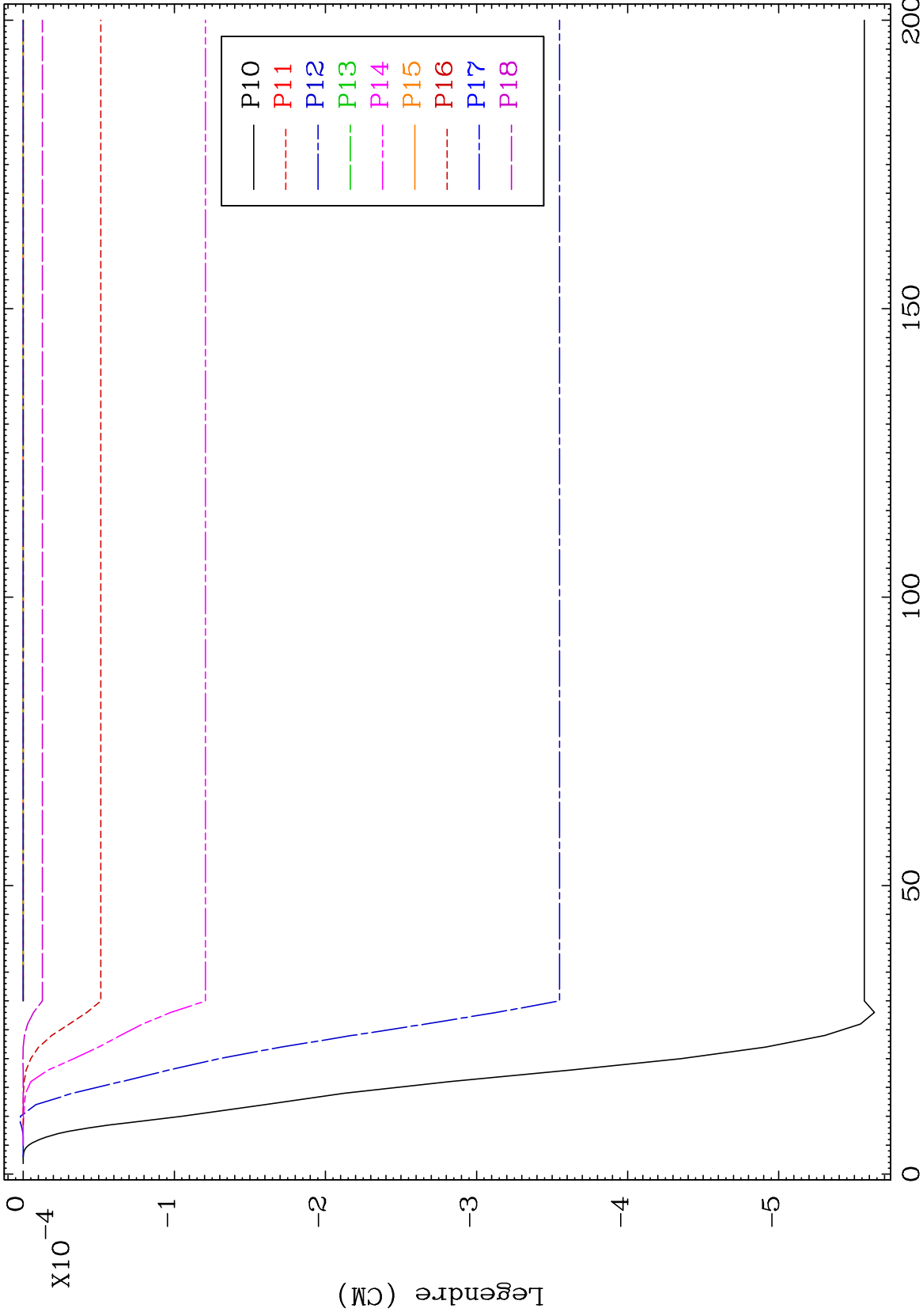
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184

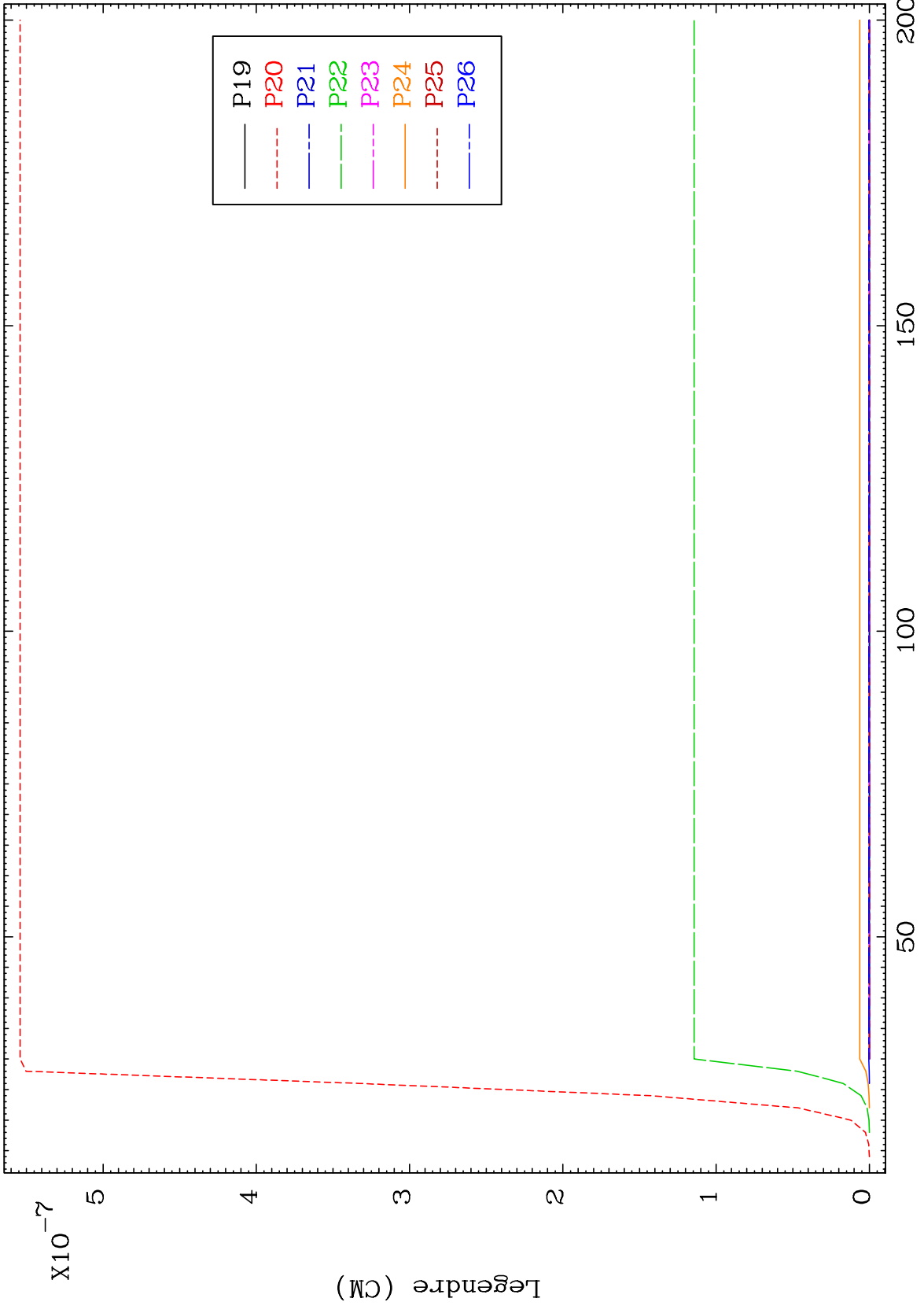


75-Re-184

Incident Energy (MeV)

62

MAT 7522 MT= 63 (n,n') Level Legendre Coefficients 75-Re-184

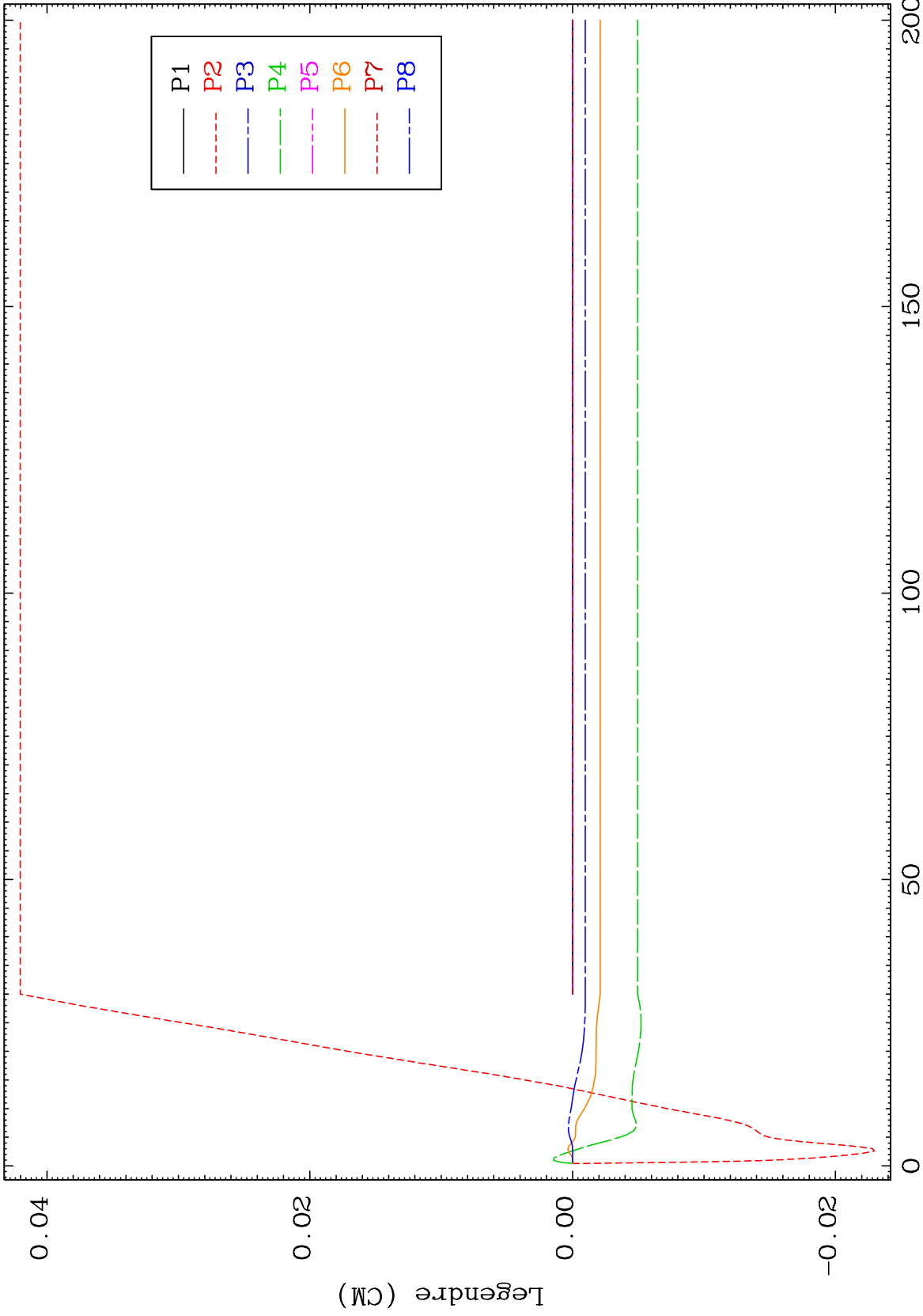


63 75-Re-184

MAT 7522

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

75-Re-184



64

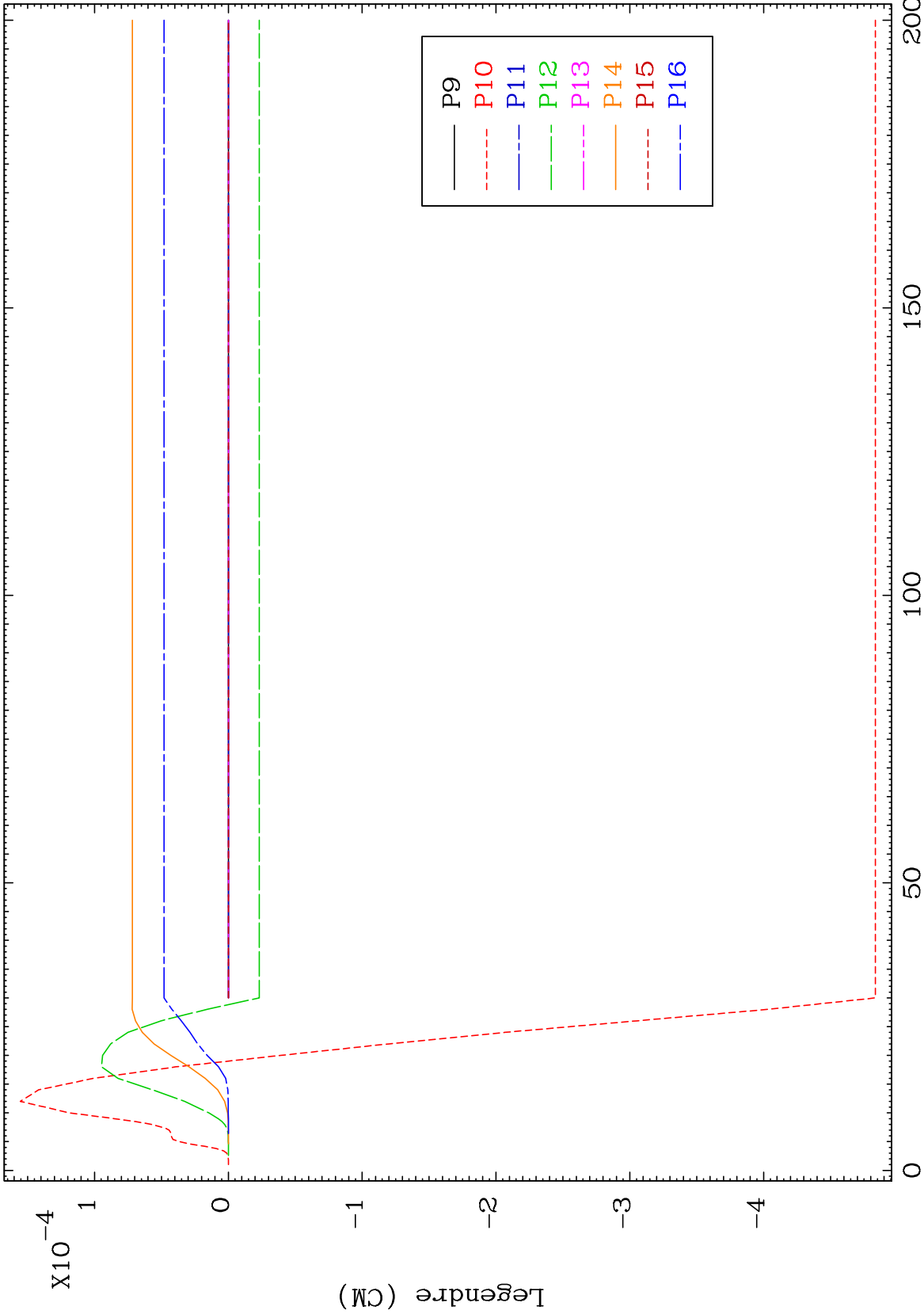
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



65

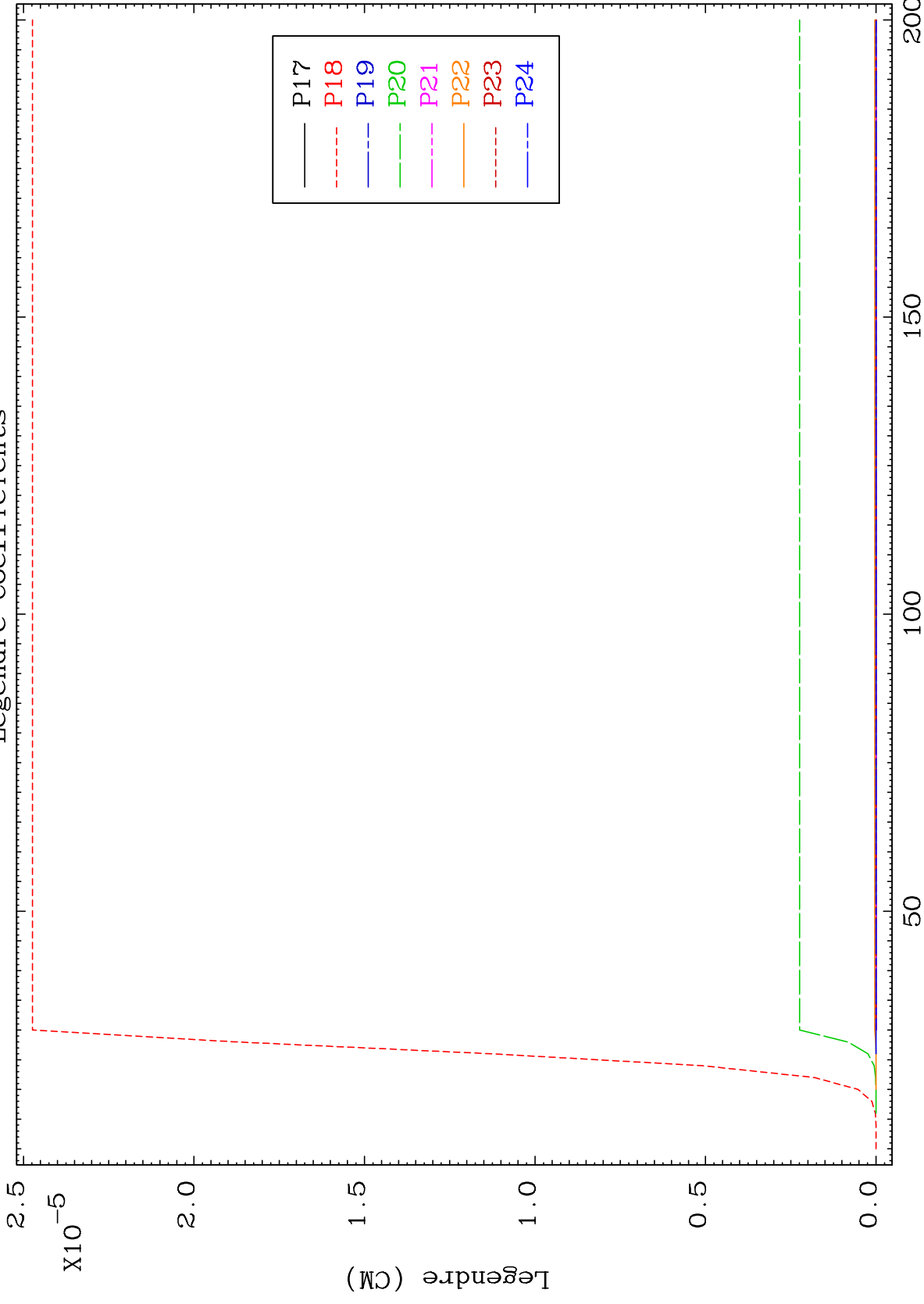
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184

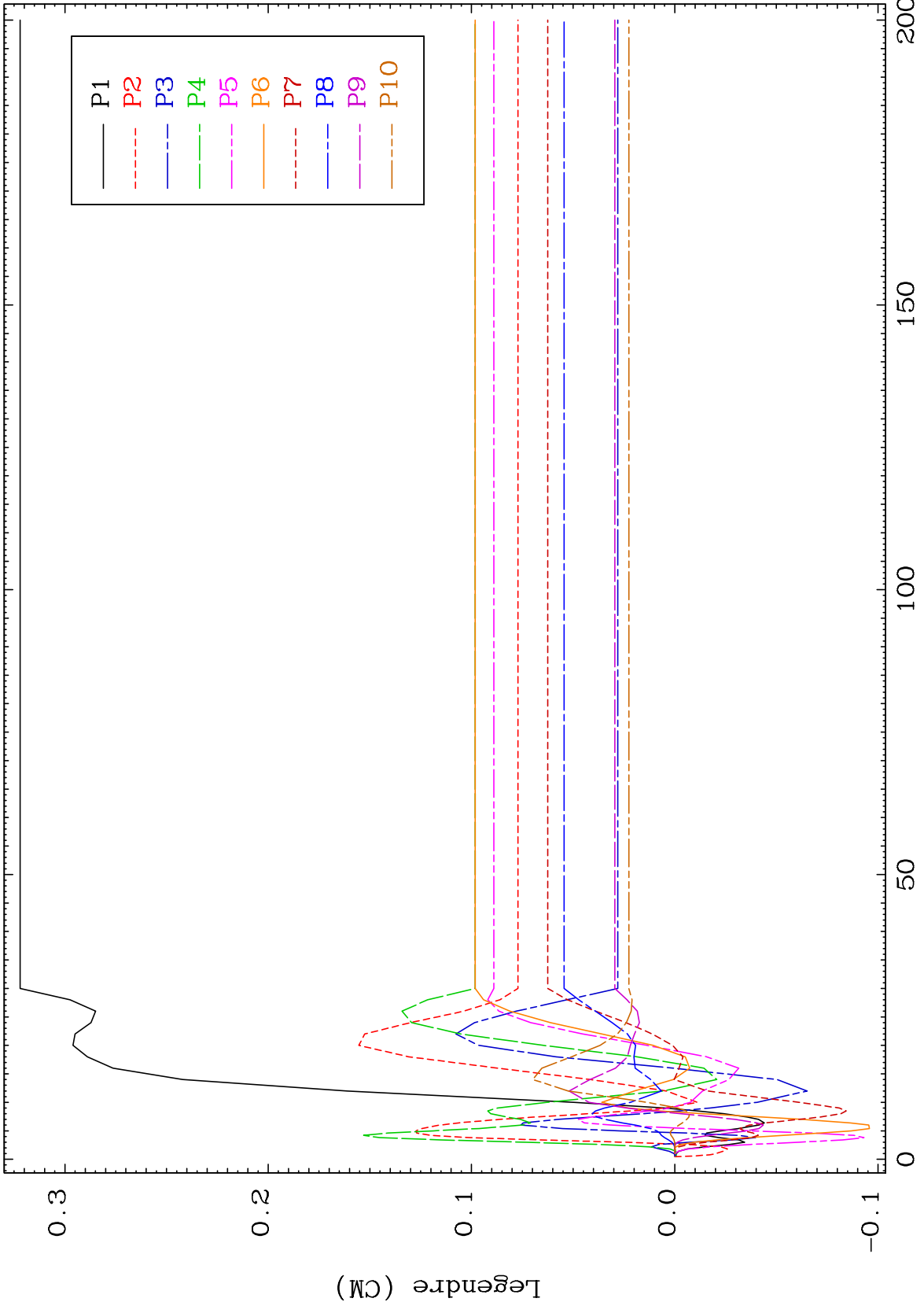


75-Re-184

Incident Energy (MeV)

66

MAT 7522 MT= 65 (n,n') Level Legendre Coefficients 75-Re-184

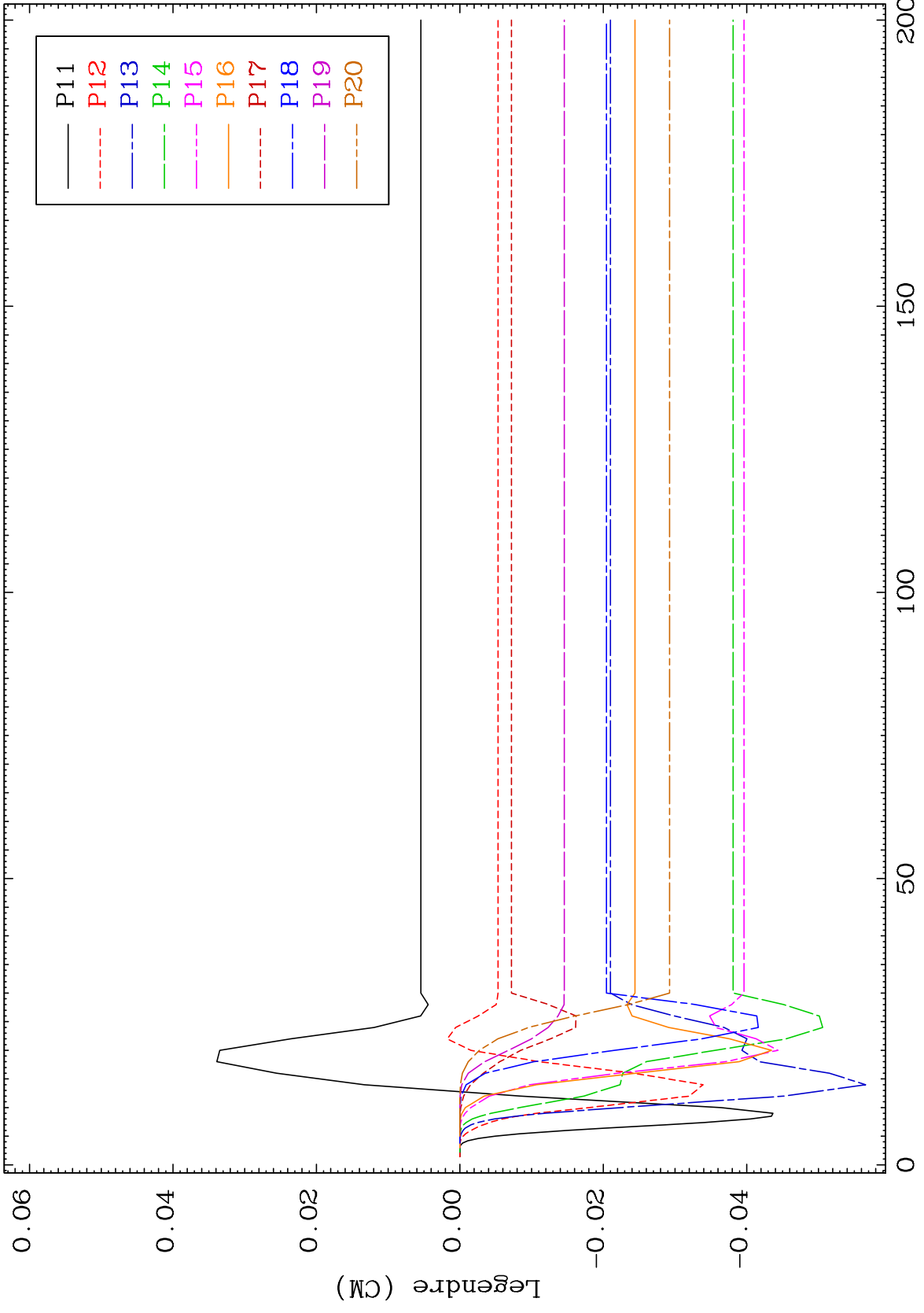


67 75-Re-184

MAT 7522

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

75-Re-184



68

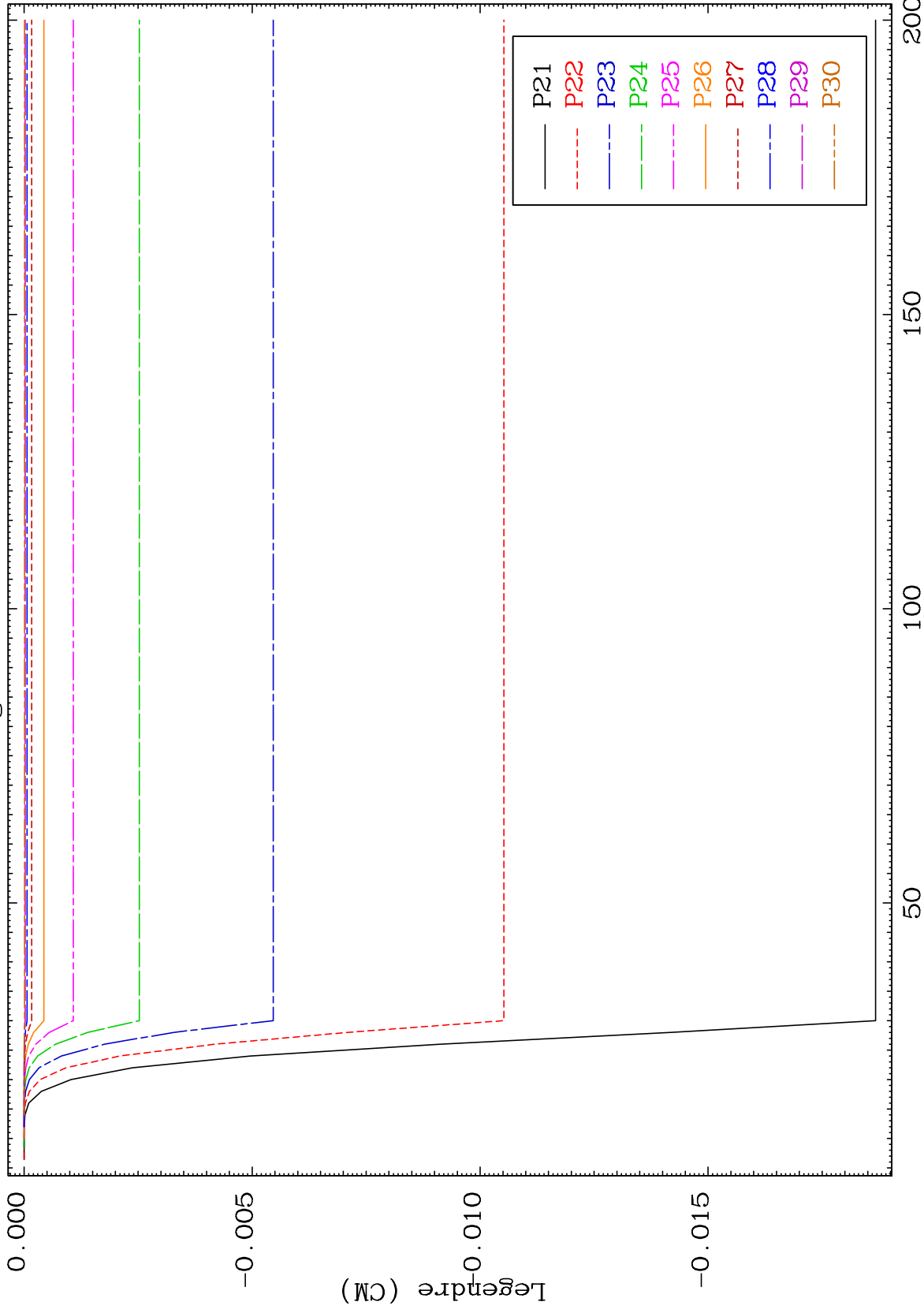
Incident Energy (MeV)

75-Re-184

MAT 7522

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

75-Re-184



75-Re-184

Incident Energy (MeV)

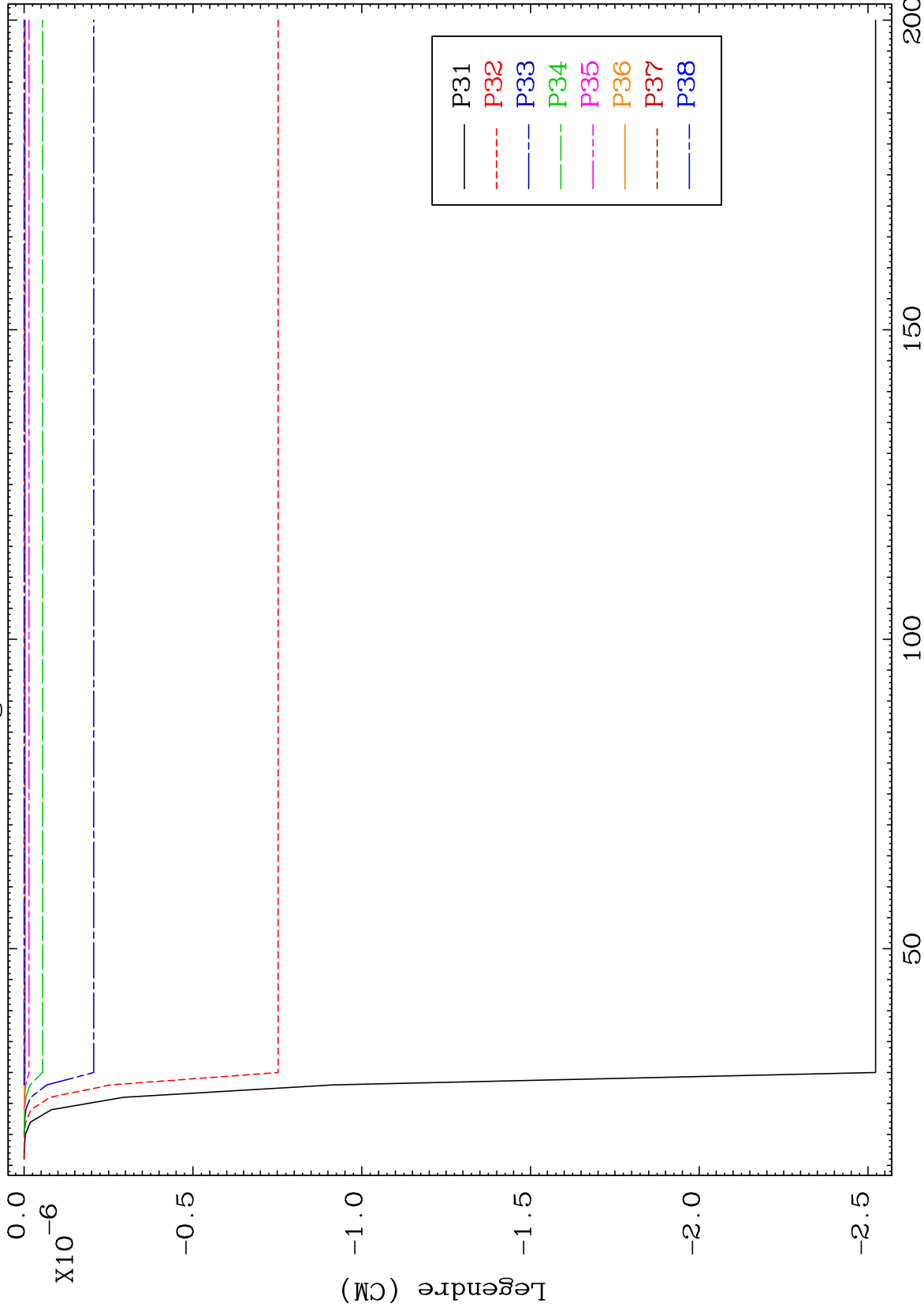
69

MAT 7522

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

75-Re-184

Incident Energy (MeV)

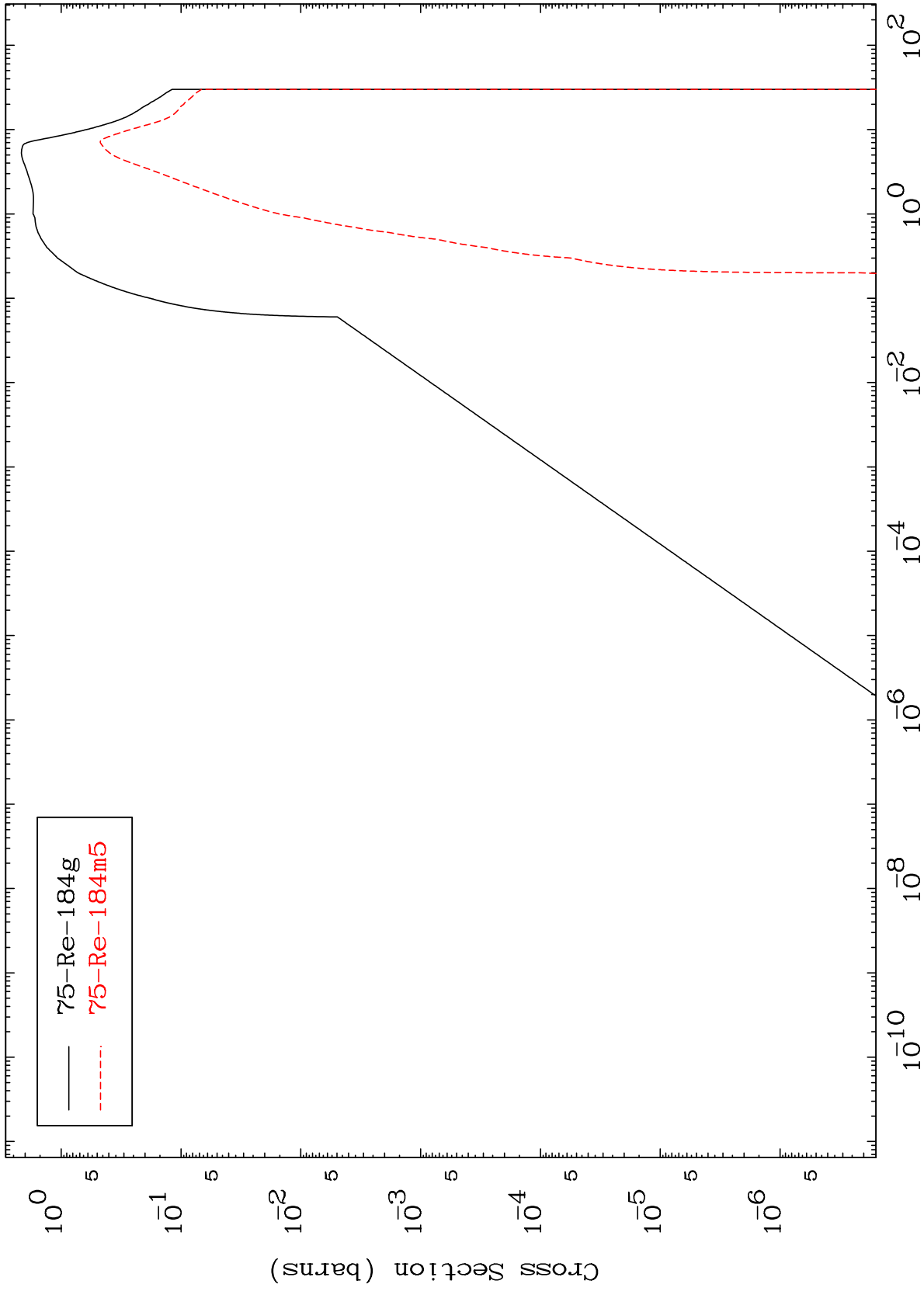


70

MAT 7522

Inelastic Radionuclide Production Cross Section

75-Re-184



71

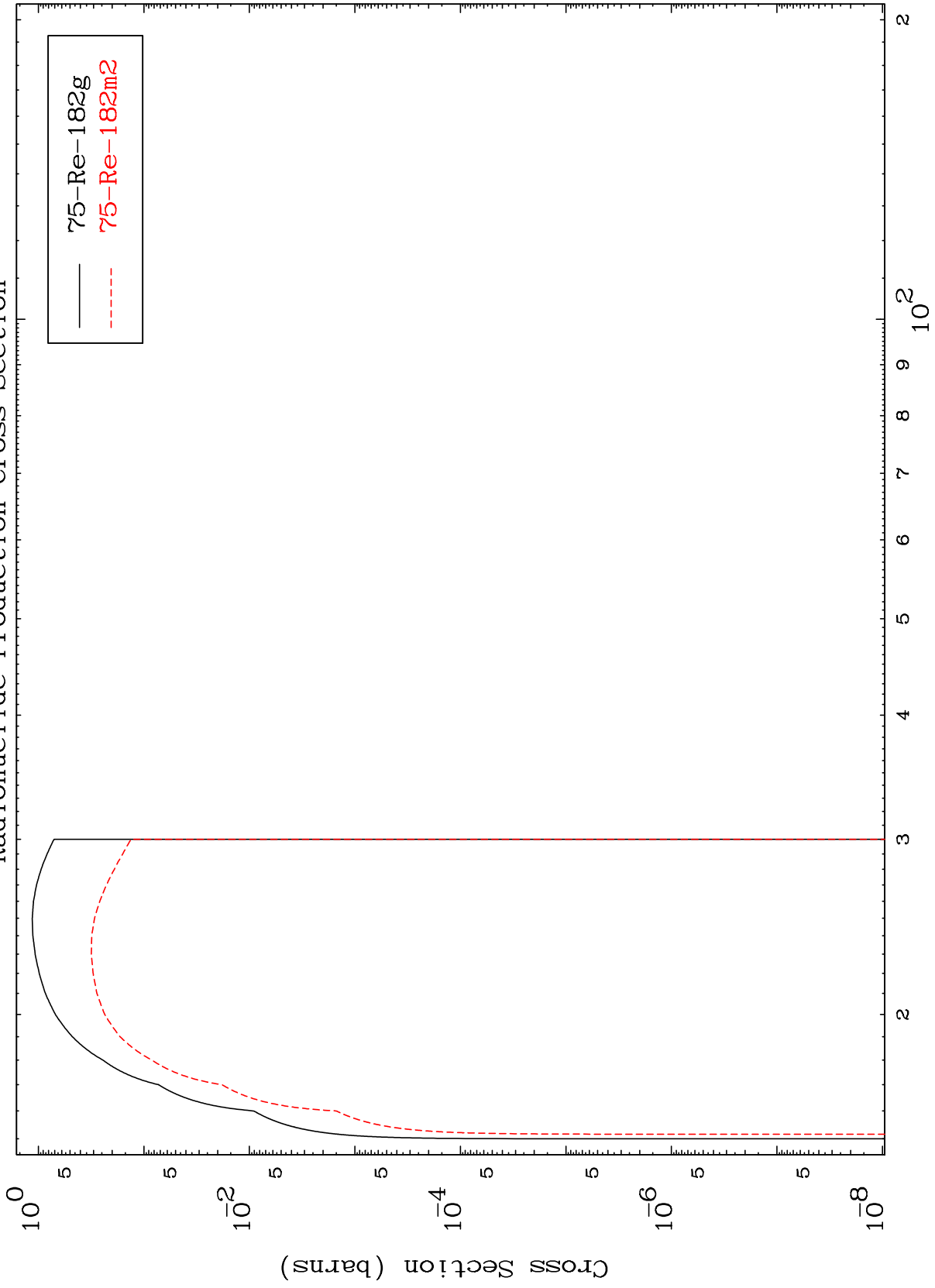
Incident Energy (MeV)

75-Re-184

MAT 7522

75-Re-184

(n,3n)
Radionuclide Production Cross Section



72

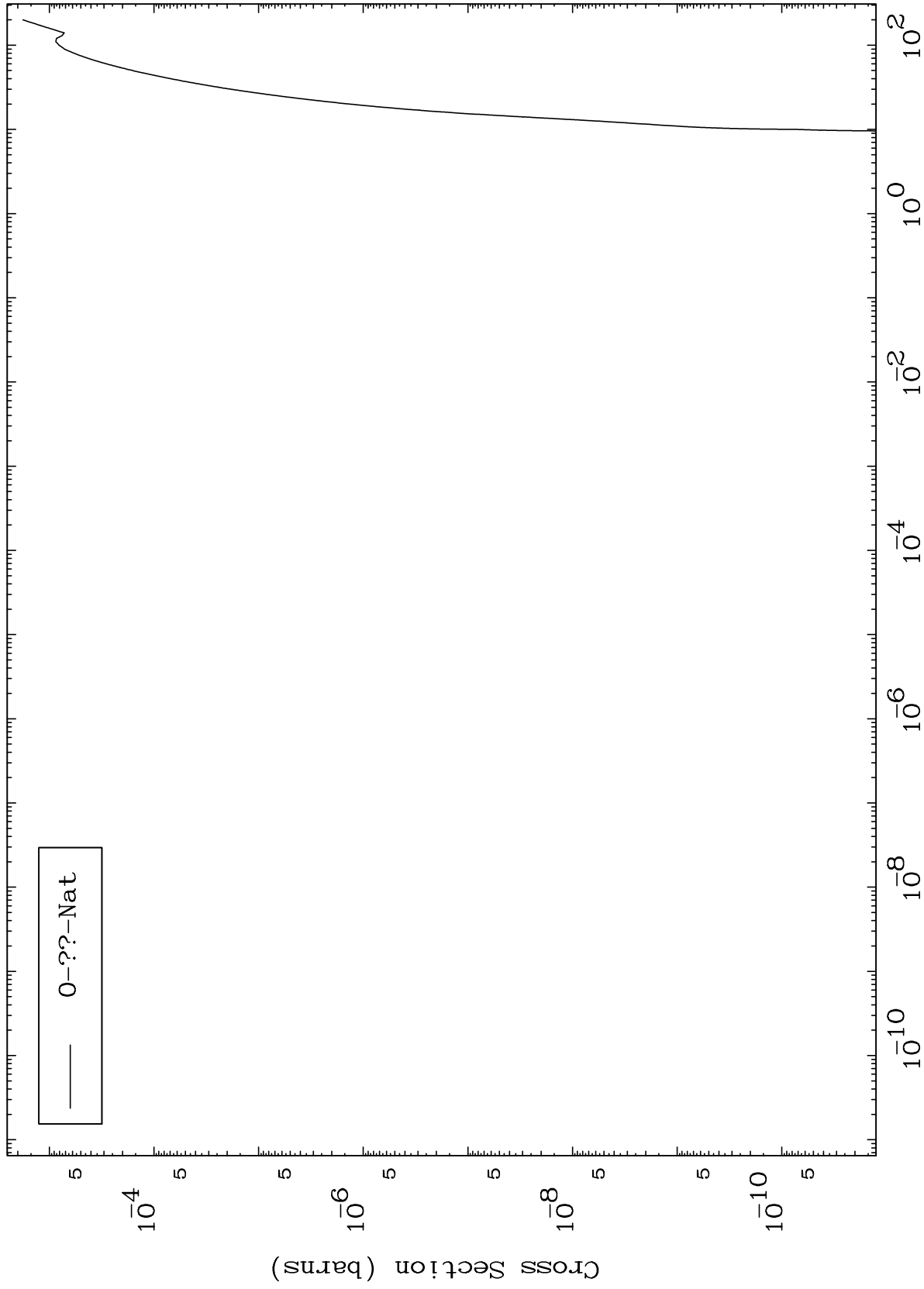
Incident Energy (MeV)

75-Re-184

MAT 7522

Fission
Radionuclide Production Cross Section

⁷⁵Re-184



73

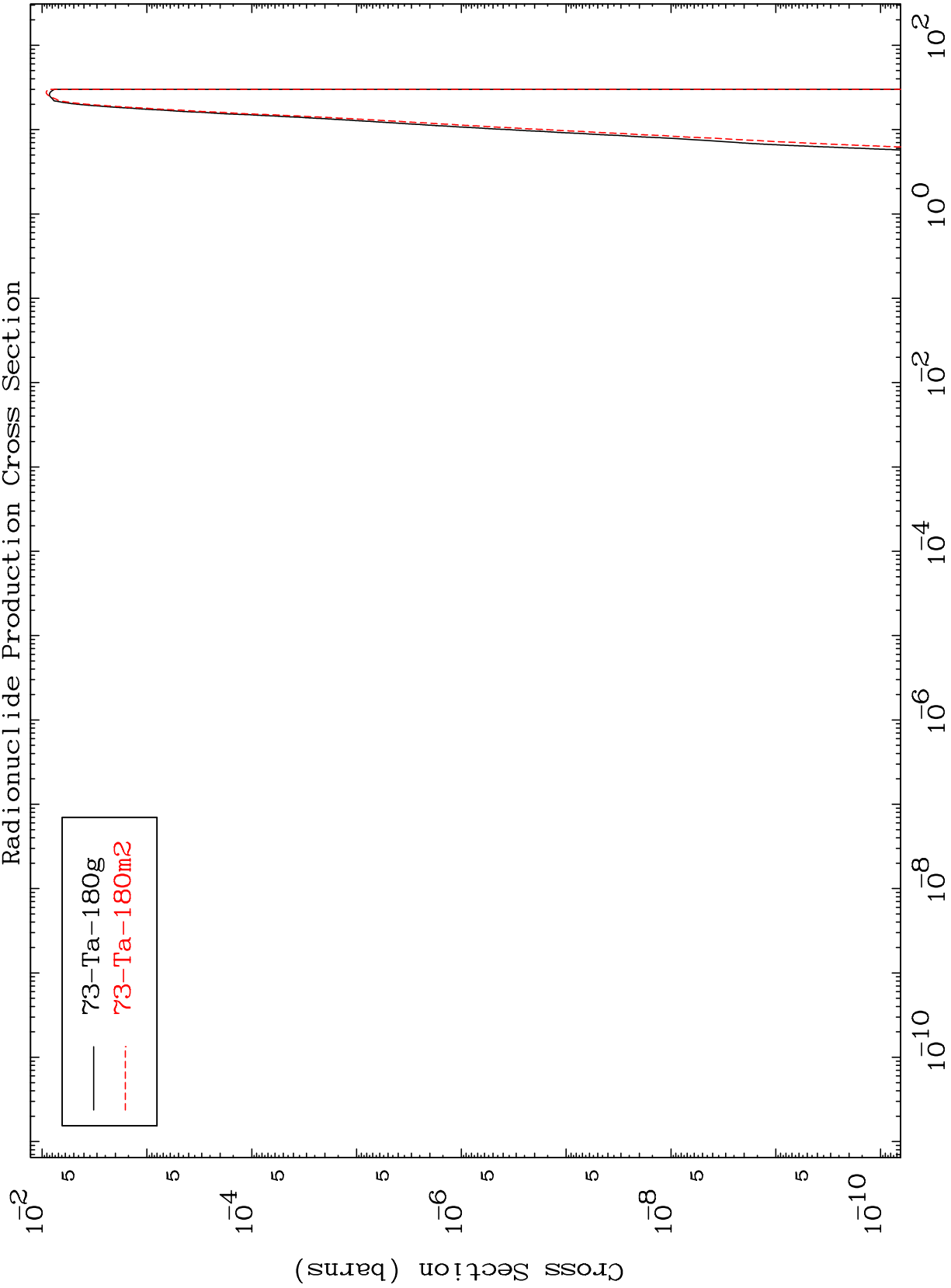
⁷⁵Re-184

MAT 7522

(n,n') α

75-Re-184

Radionuclide Production Cross Section



73-Ta-180g
73-Ta-180m2

74

Incident Energy (MeV)

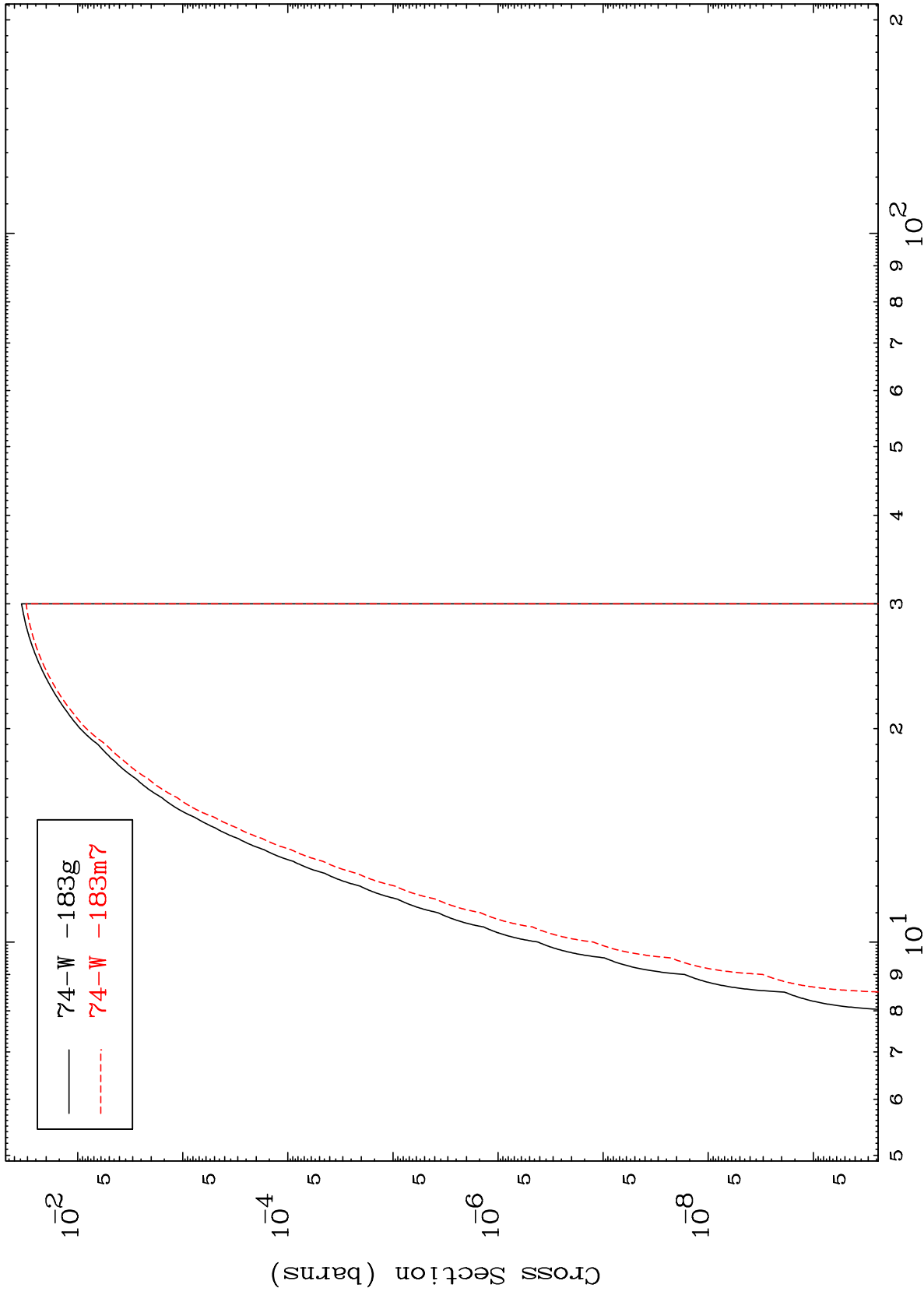
75-Re-184

MAT 7522

(n,n') p

75-Re-184

Radionuclide Production Cross Section



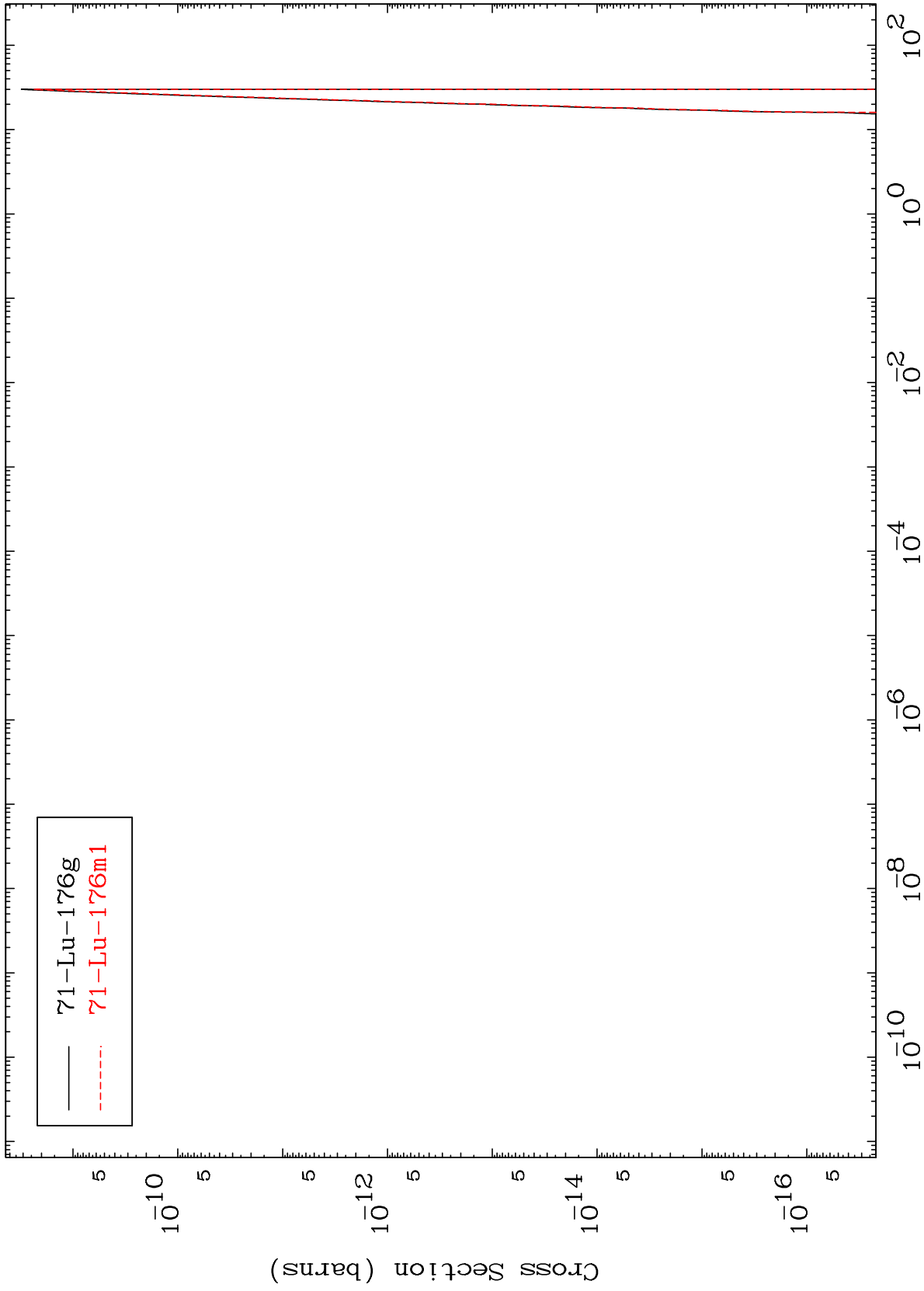
74-W -183g
74-W -183m7

MAT 7522

(n,n') 2 α

75-Re-184

Radionuclide Production Cross Section



76

Incident Energy (MeV)

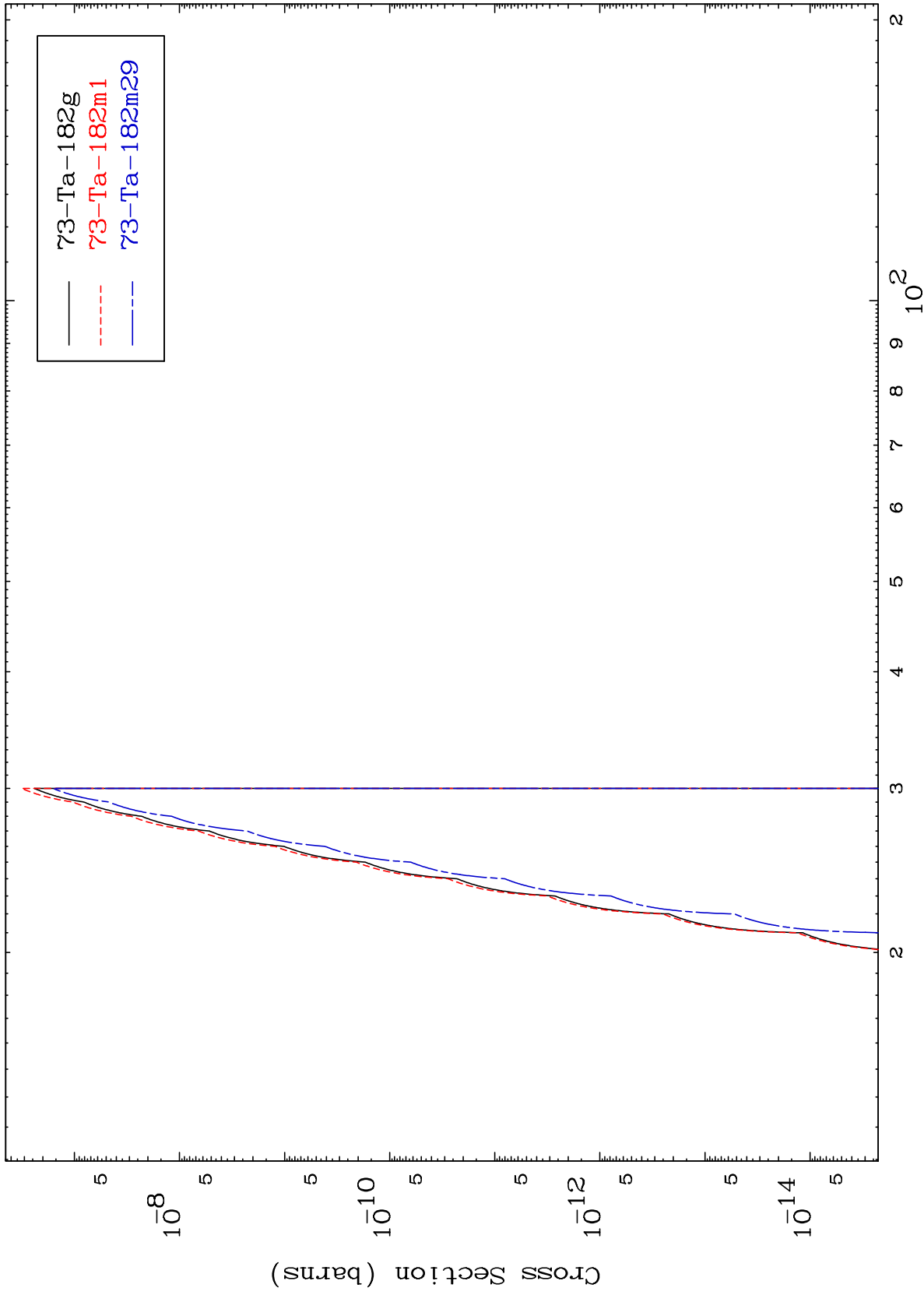
75-Re-184

MAT 7522

(n,2n) p

75-Re-184

Radionuclide Production Cross Section



77

Incident Energy (MeV)

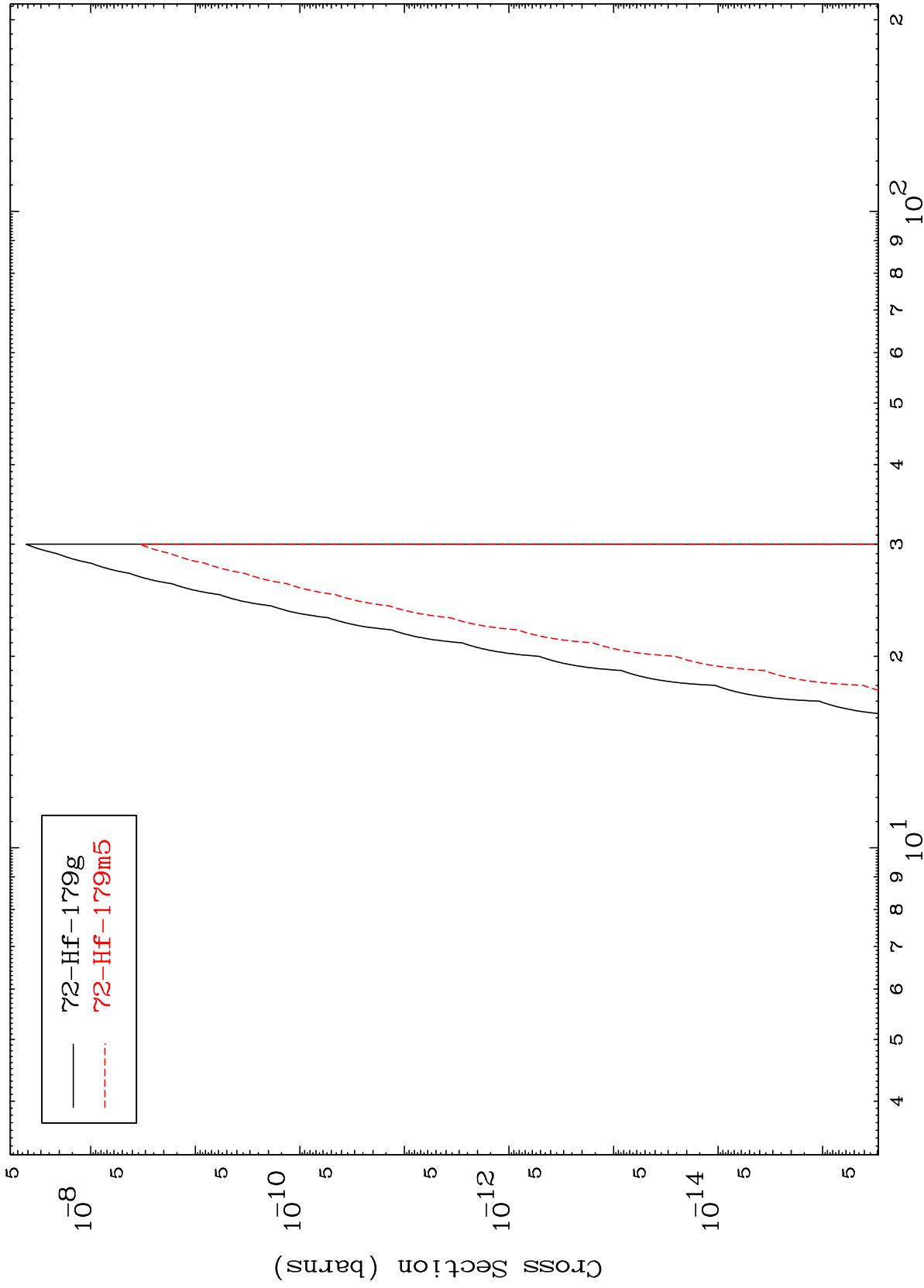
75-Re-184

MAT 7522

(n,n') p α

75-Re-184

Radionuclide Production Cross Section

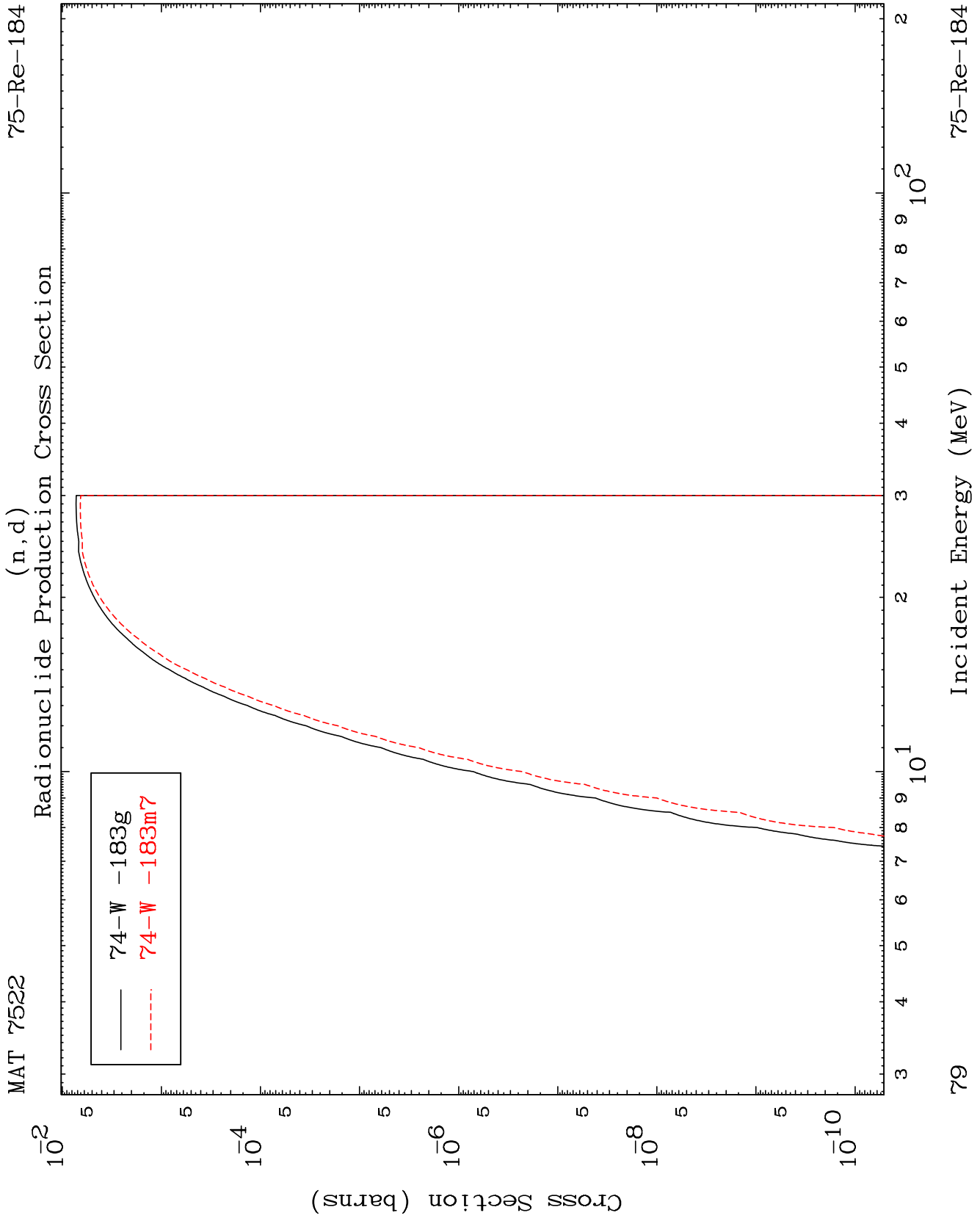


72-Hf-179g
72-Hf-179m5

78

Incident Energy (MeV)

75-Re-184

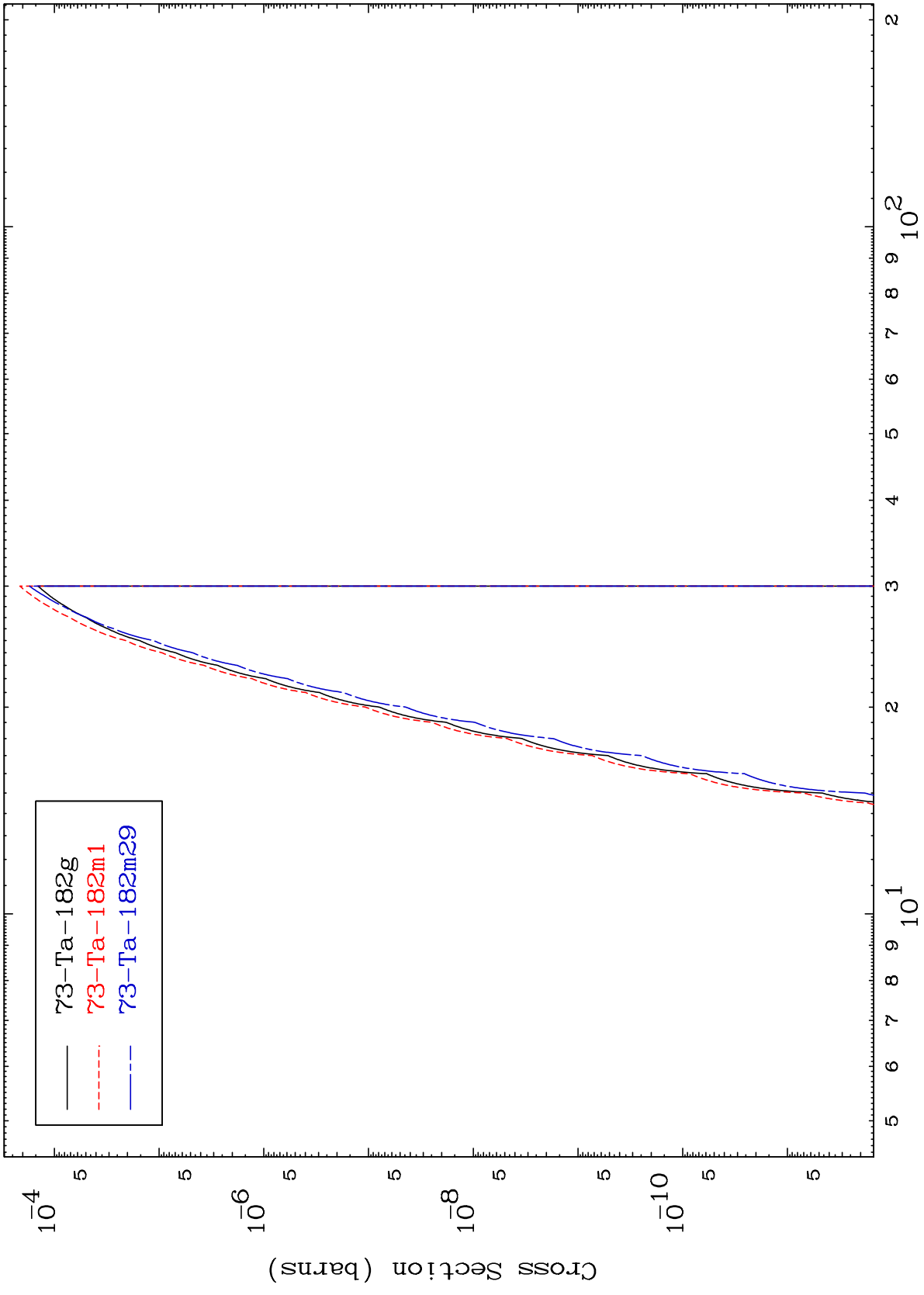


MAT 7522

(n, He-3)

75-Re-184

Radionuclide Production Cross Section



73-Ta-182g
73-Ta-182m1
73-Ta-182m29

80

Incident Energy (MeV)

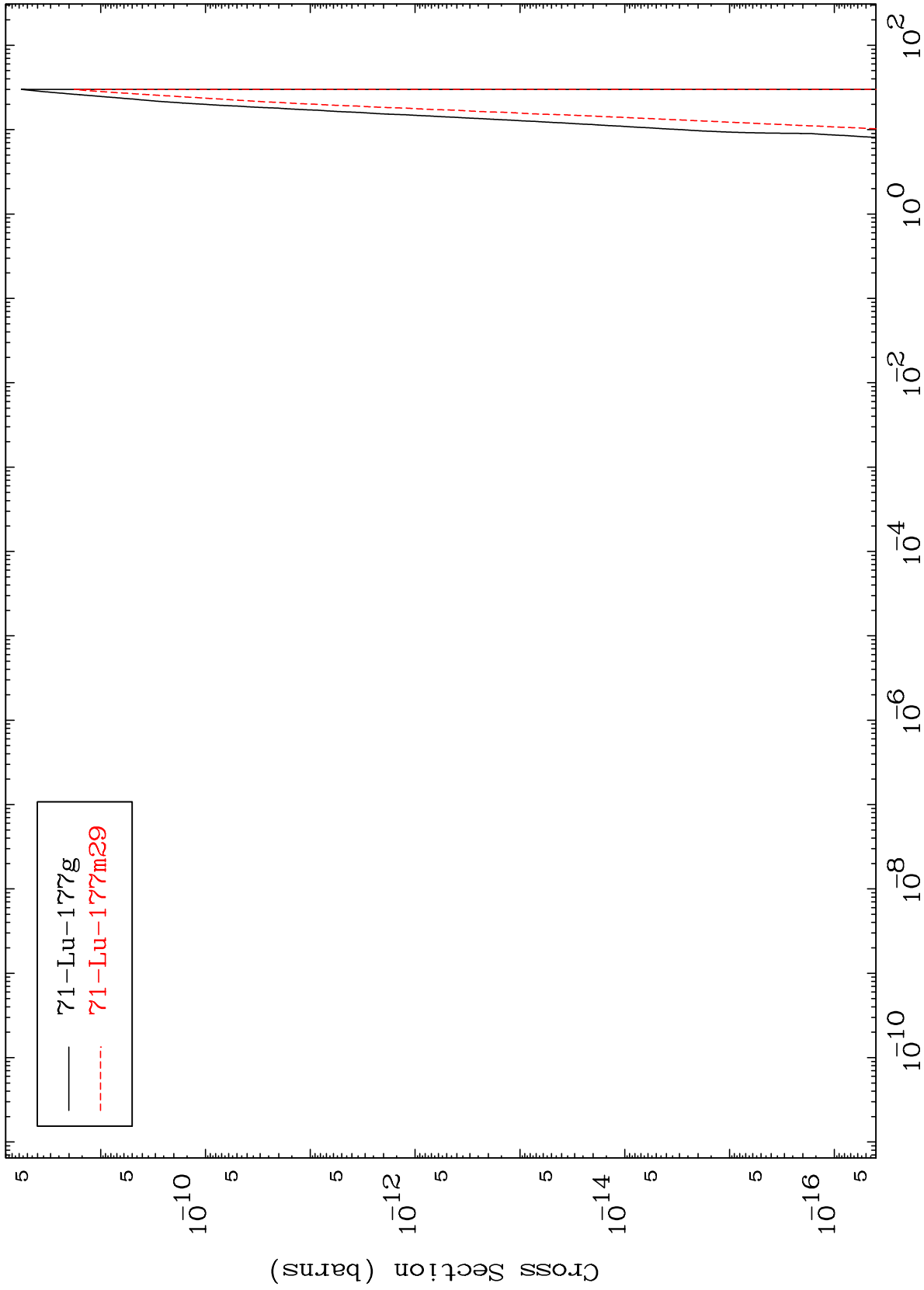
75-Re-184

MAT 7522

(n,2α)

75-Re-184

Radionuclide Production Cross Section



81

Incident Energy (MeV)

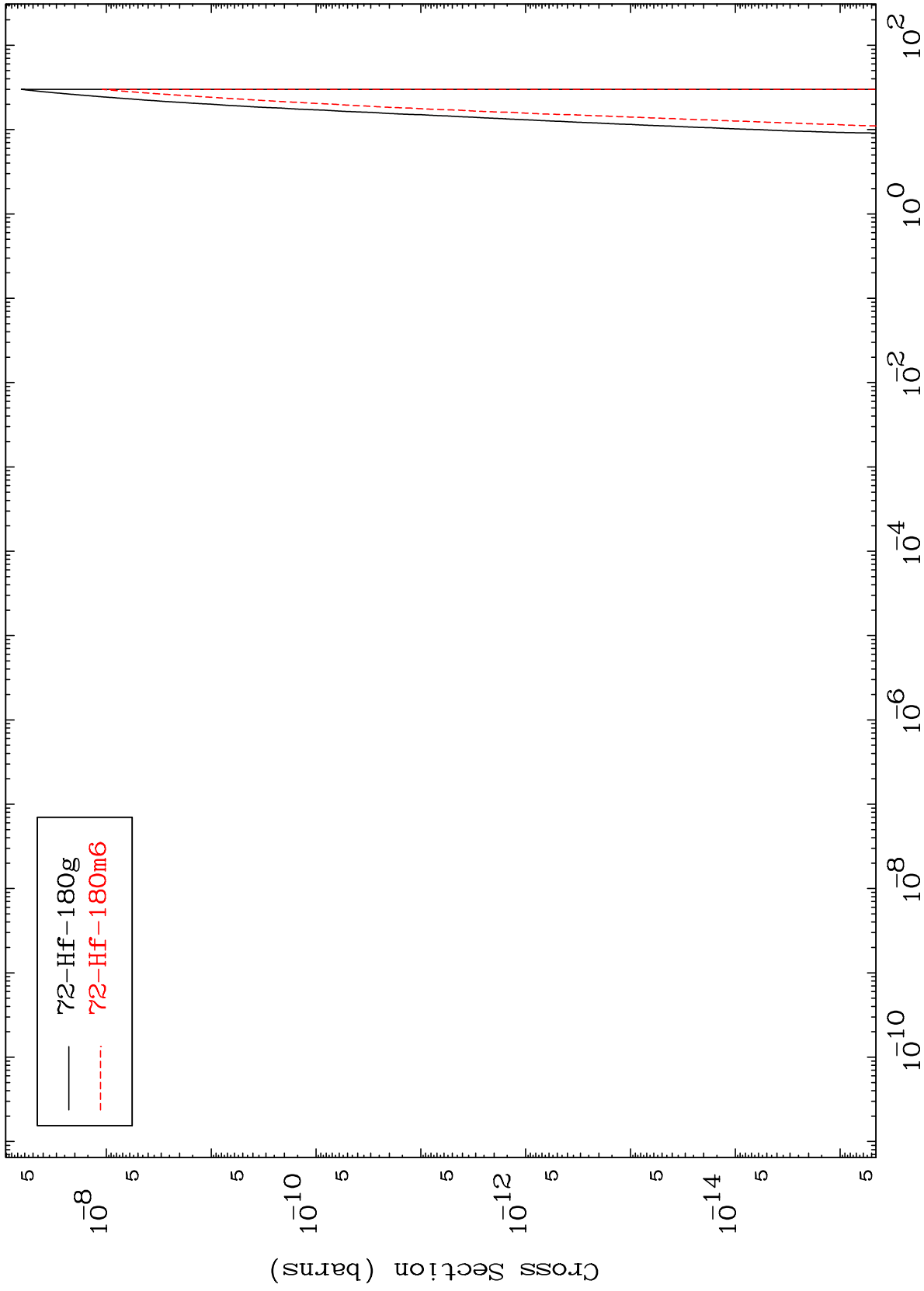
75-Re-184

MAT 7522

(n,p) α

75-Re-184

Radionuclide Production Cross Section

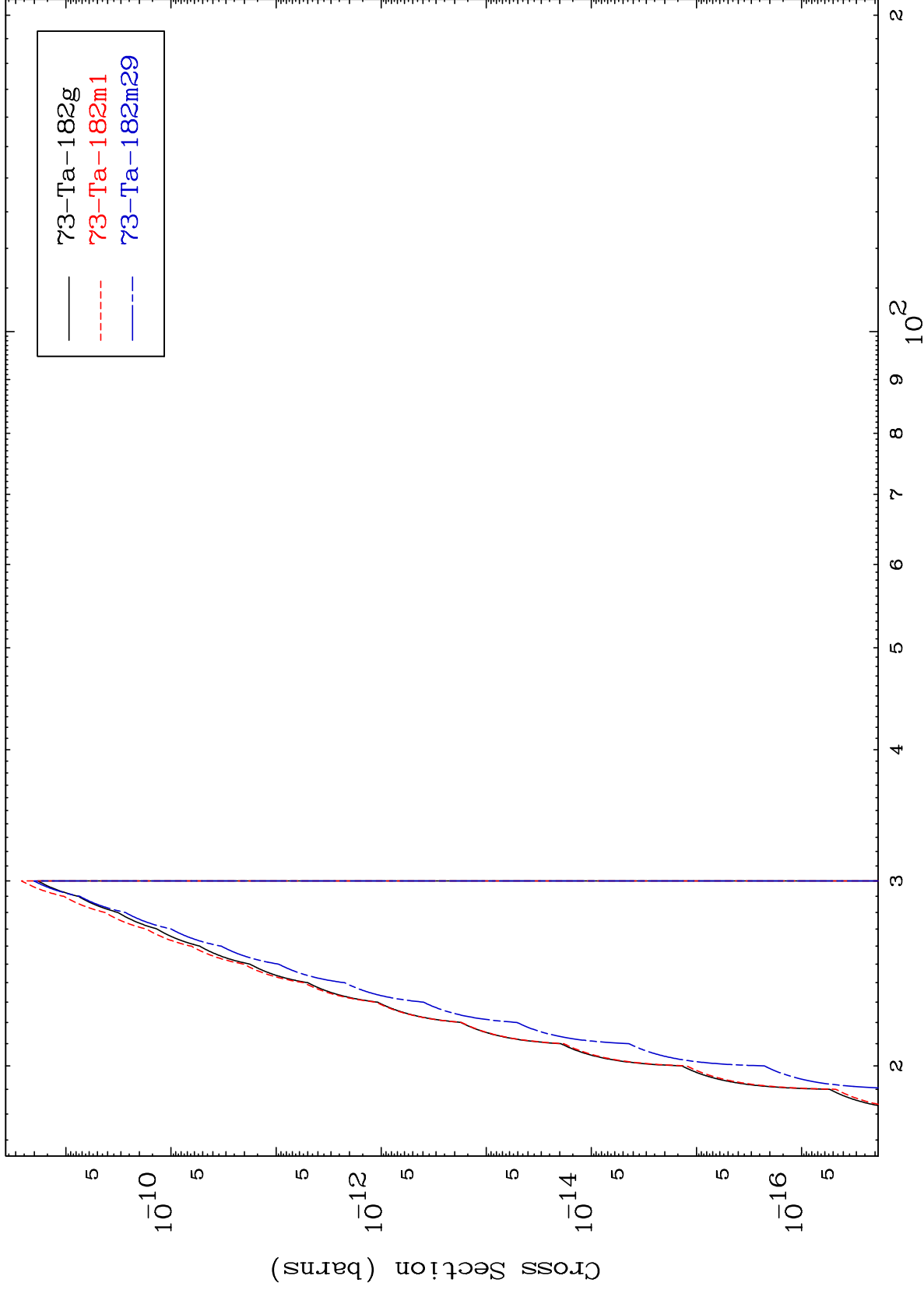


82

Incident Energy (MeV)

75-Re-184

Radionuclide Production Cross Section

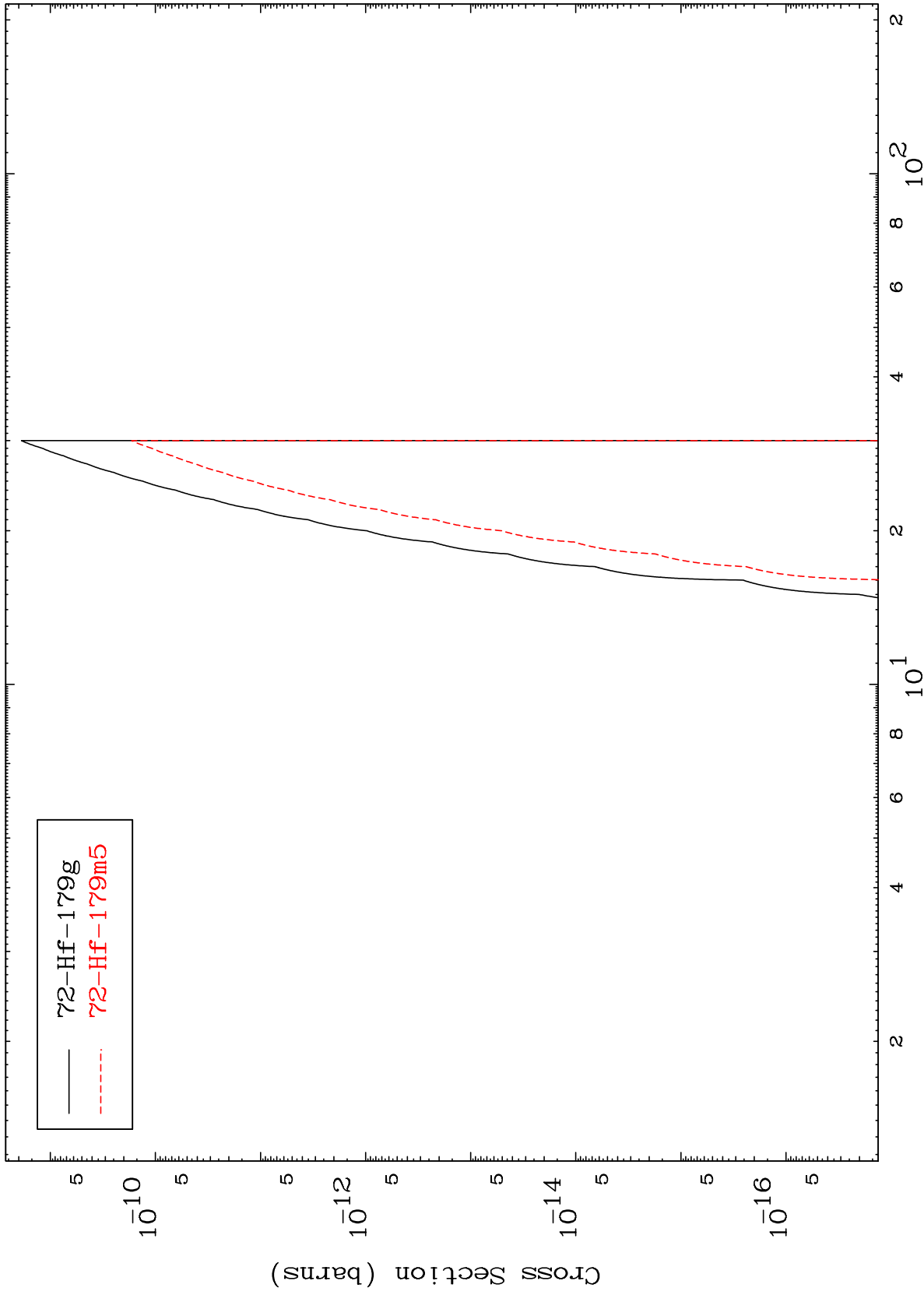


MAT 7522

(n,d) α

75-Re-184

Radionuclide Production Cross Section



84

Incident Energy (MeV)

75-Re-184