

Program EVALPLOT
(Version 2018-1)

by

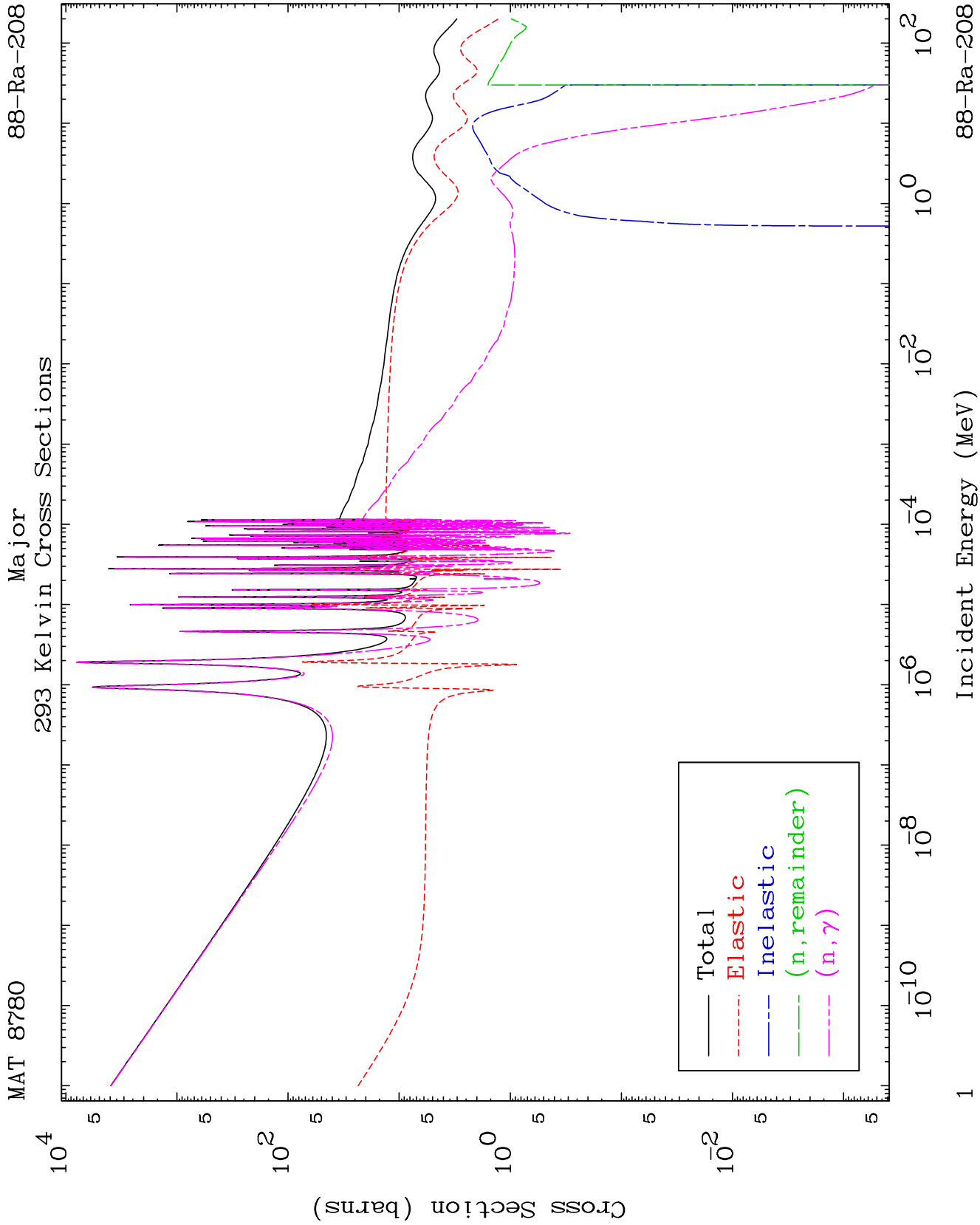
Dermott E. Cullen
(Present Contact Information)

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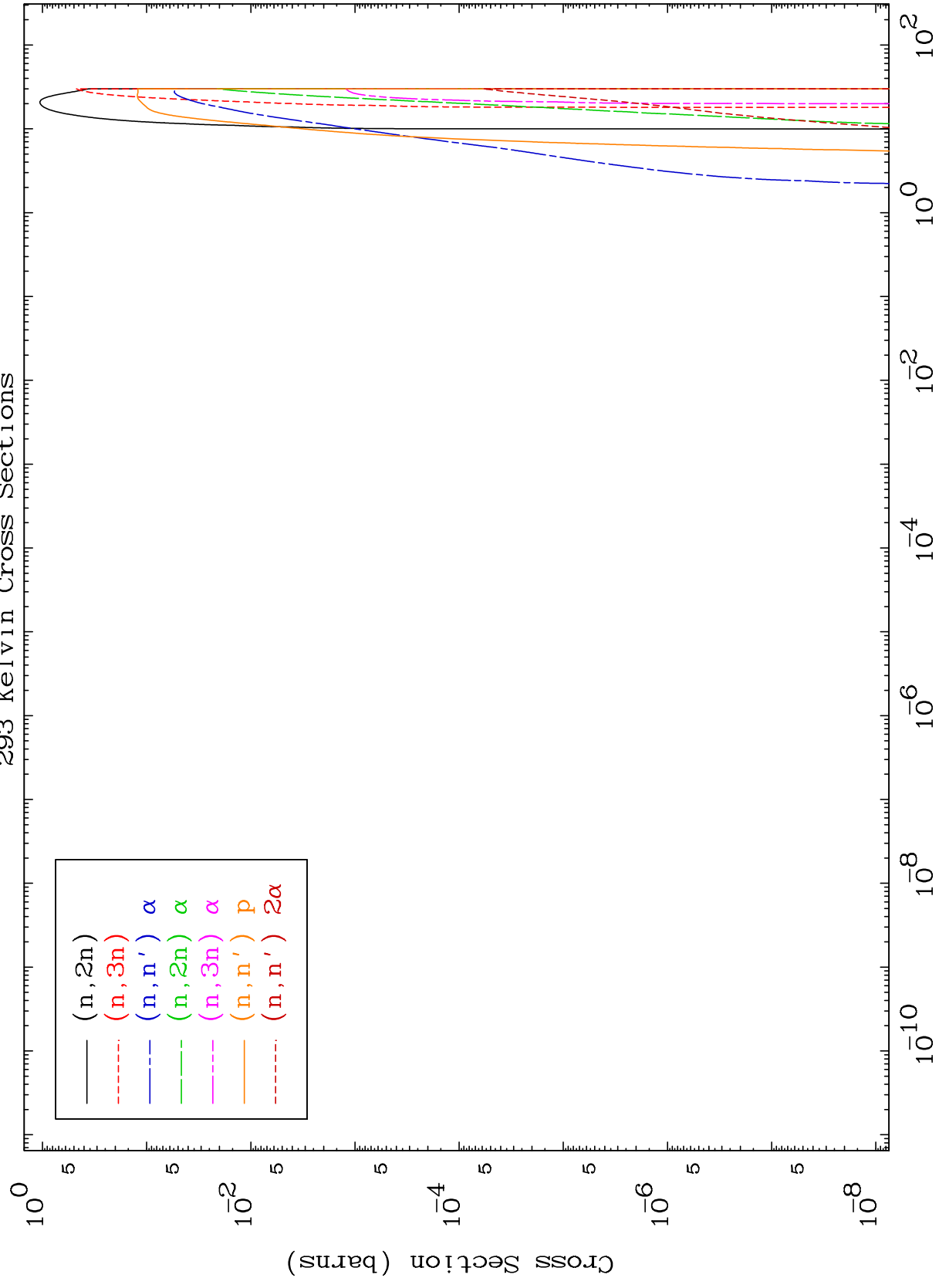
Press Mouse Button to Start



MAT 8780

Neutron Production
293 Kelvin Cross Sections

88-Ra-208

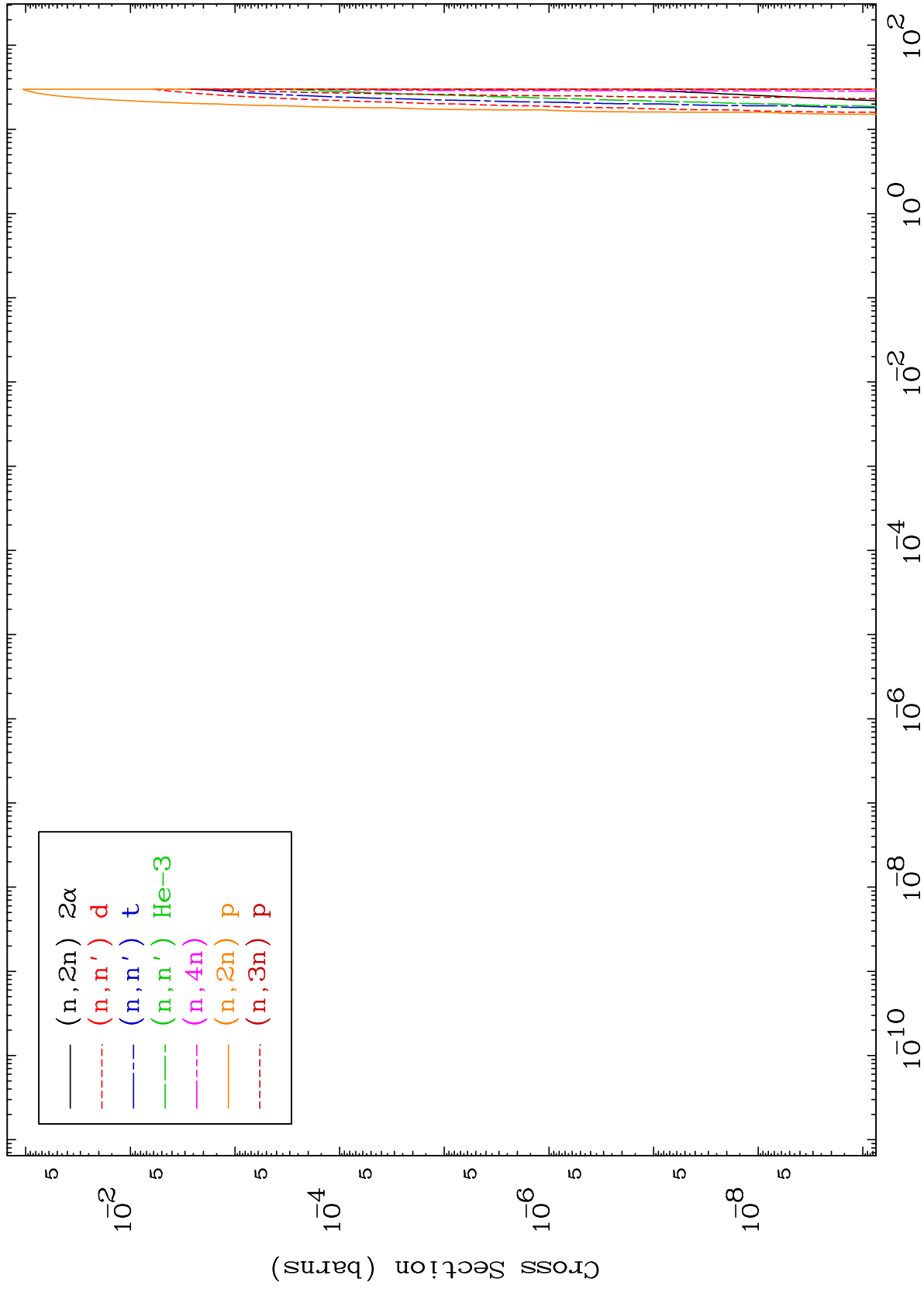


88-Ra-208

MAT 8780

Neutron Production
293 Kelvin Cross Sections

88-Ra-208

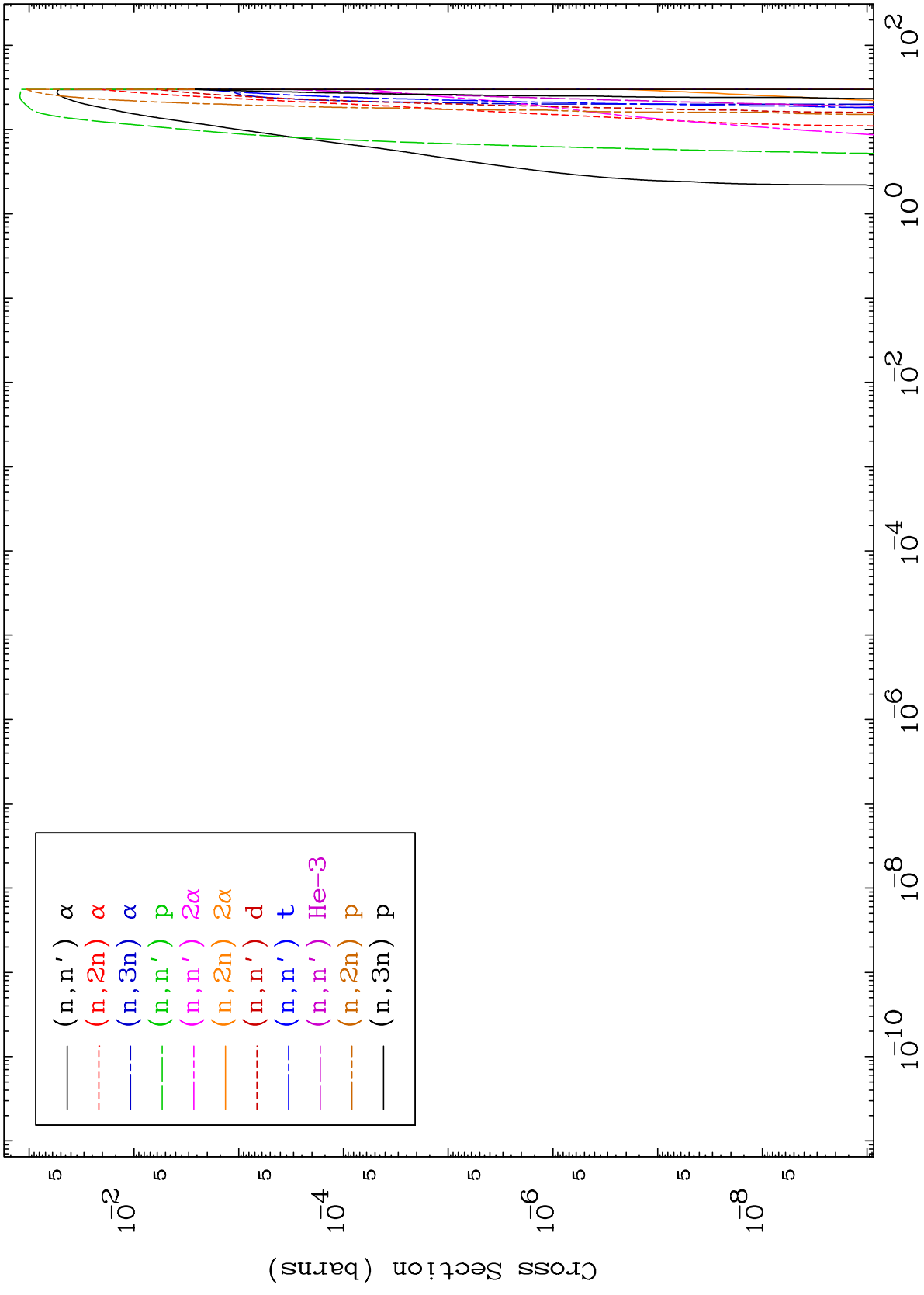


88-Ra-208

MAT 8780

Charged Particle
293 Kelvin Cross Sections

88-Ra-208



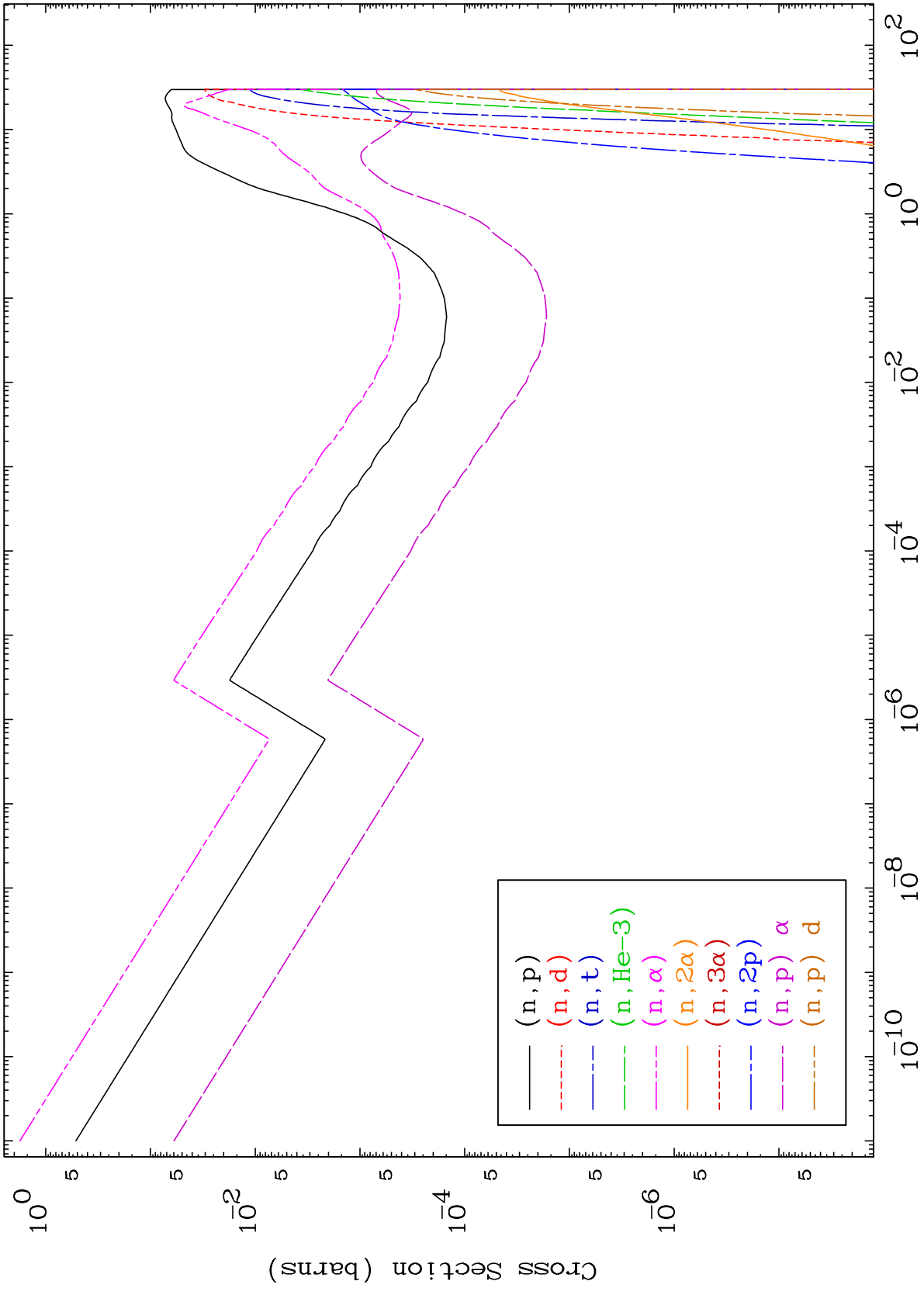
88-Ra-208

Incident Energy (MeV)

MAT 8780

293 Kelvin Cross Sections

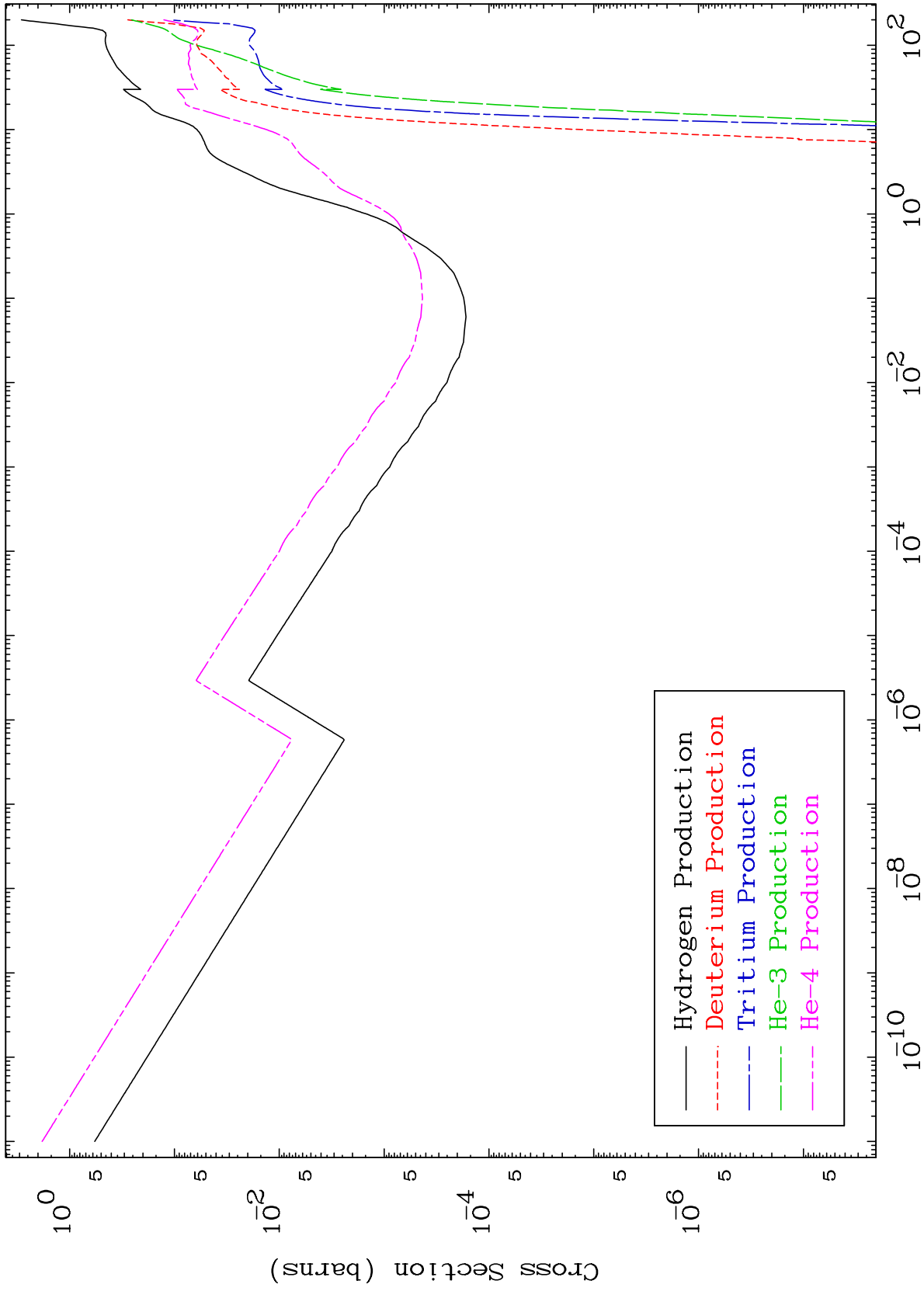
88-Ra-208



MAT 8780

Particle Production
293 Kelvin Cross Sections

88-Ra-208



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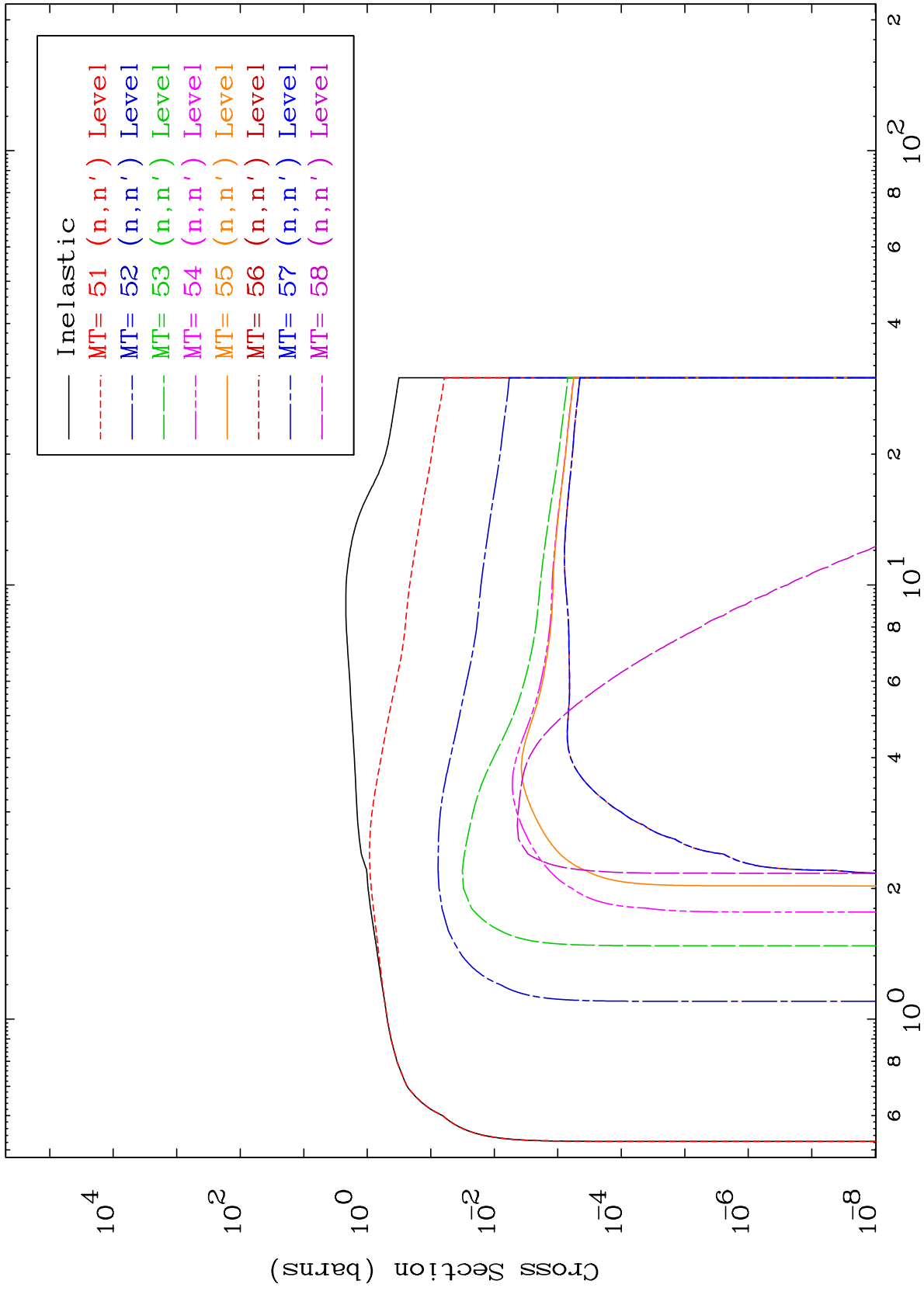
Incident Energy (MeV)

88-Ra-208

MAT 8780

(n,n') Level
293 Kelvin Cross Sections

88-Ra-208



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Incident Energy (MeV)

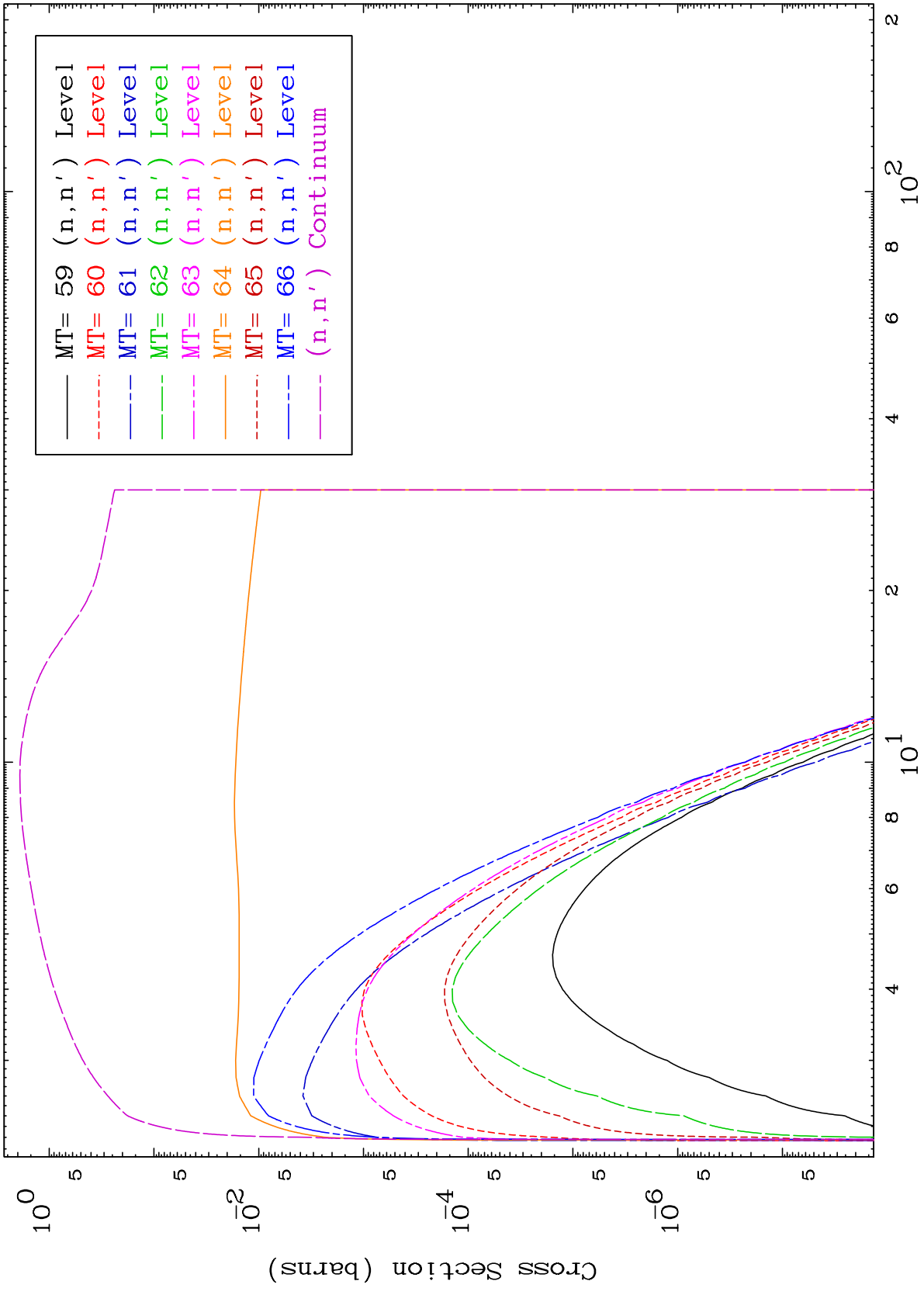
88-Ra-208

MAT 8780

(n,n') Level

88-Ra-208

293 Kelvin Cross Sections



8

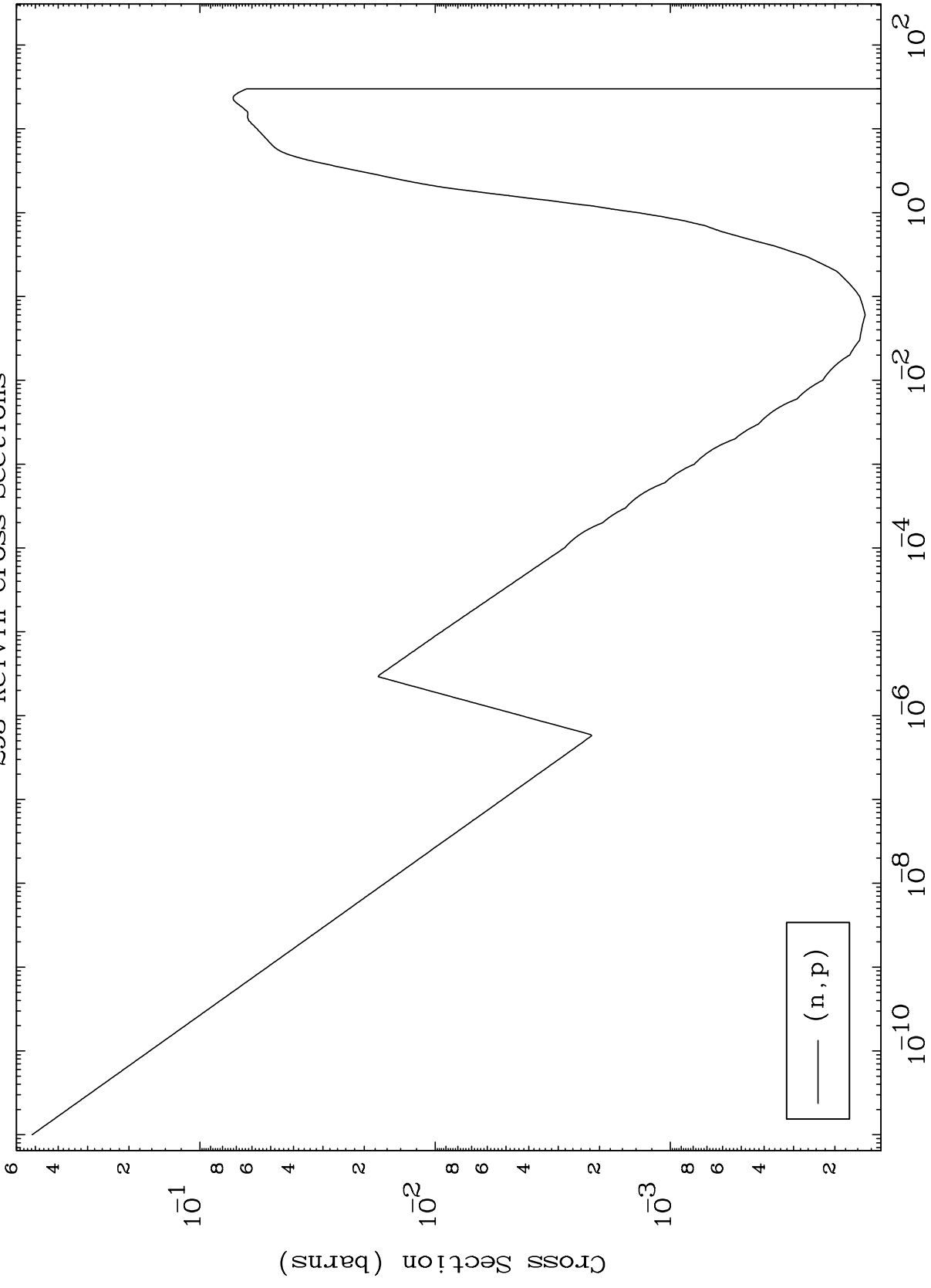
Incident Energy (MeV)

88-Ra-208

MAT 8780

(n,p) Levels
293 Kelvin Cross Sections

88-Ra-208

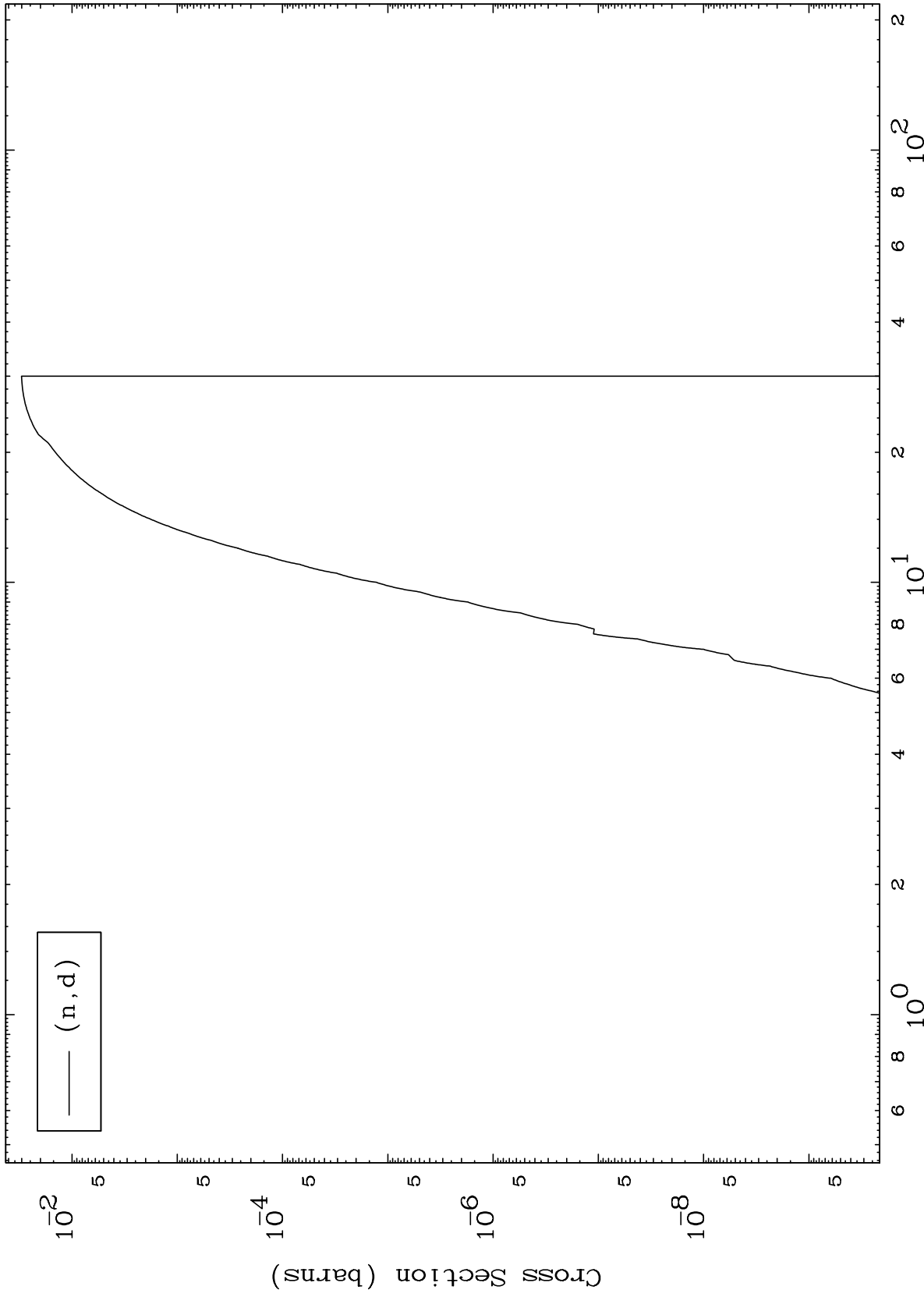


— (n, p)

MAT 8780

(n,d) Levels
293 Kelvin Cross Sections

88-Ra-208



10

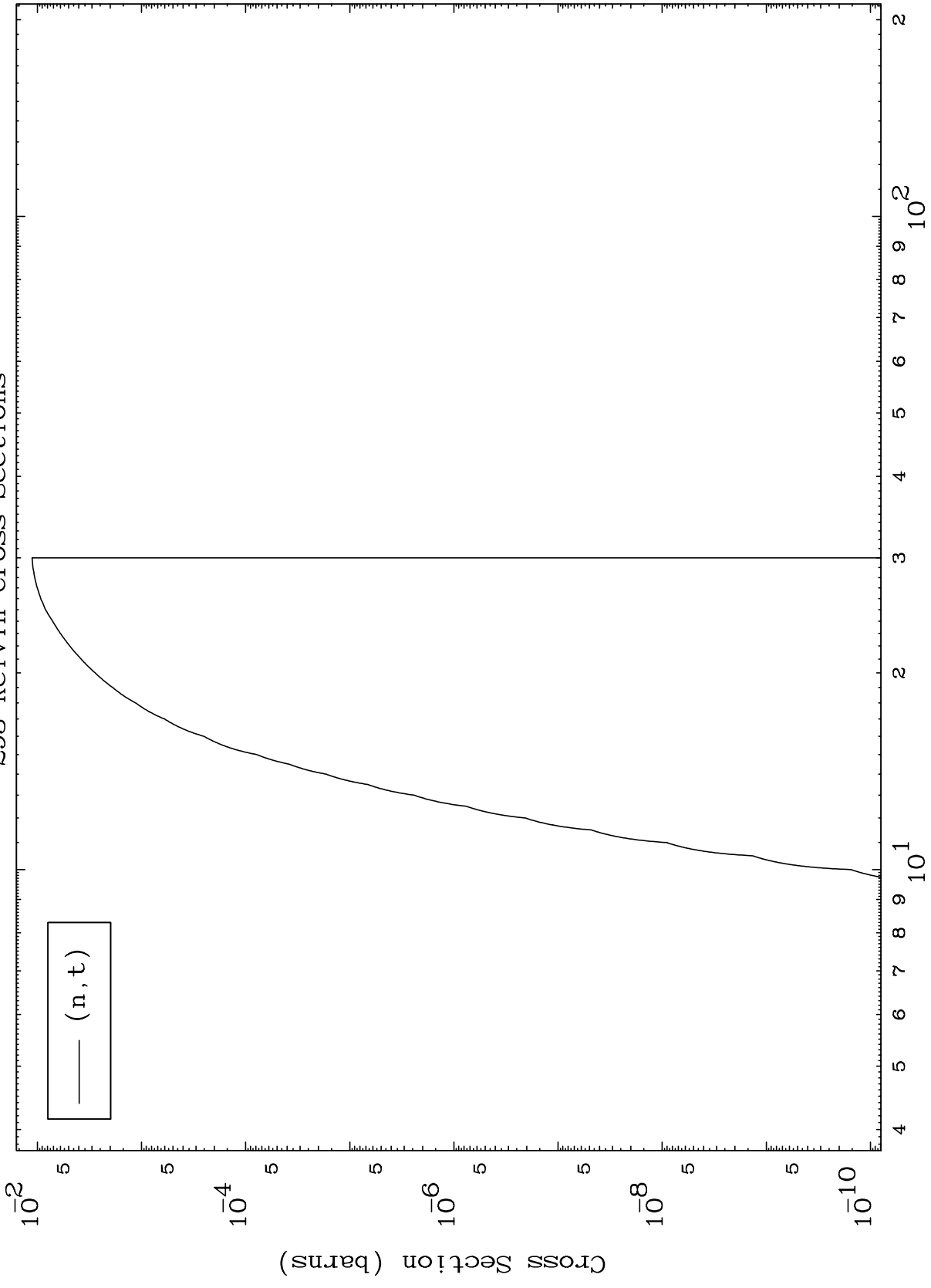
Incident Energy (MeV)

88-Ra-208

MAT 8780

88-Ra-208

(n,t) Levels
293 Kelvin Cross Sections



11

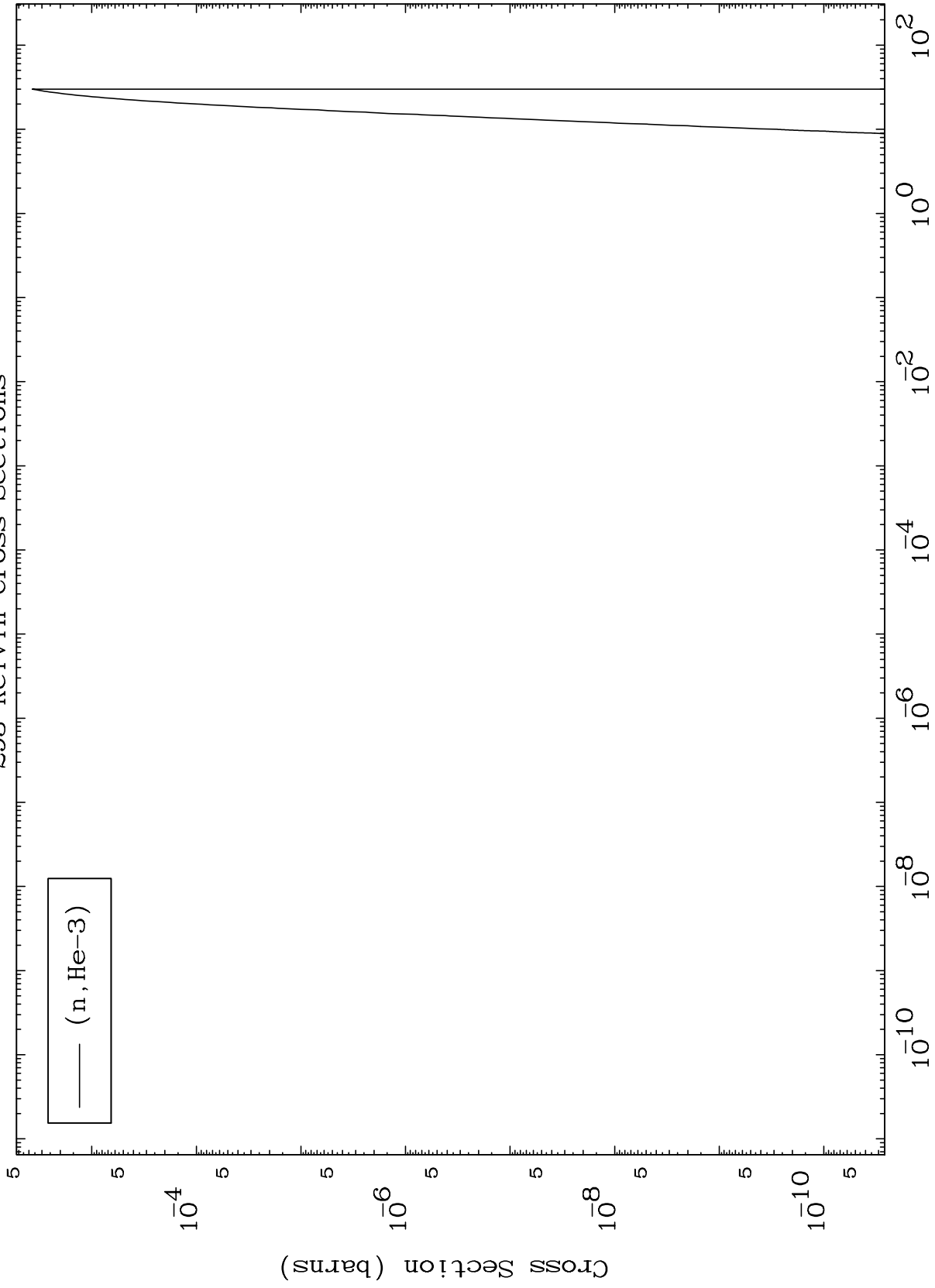
Incident Energy (MeV)

88-Ra-208

MAT 8780

(n,He3) Levels
293 Kelvin Cross Sections

88-Ra-208

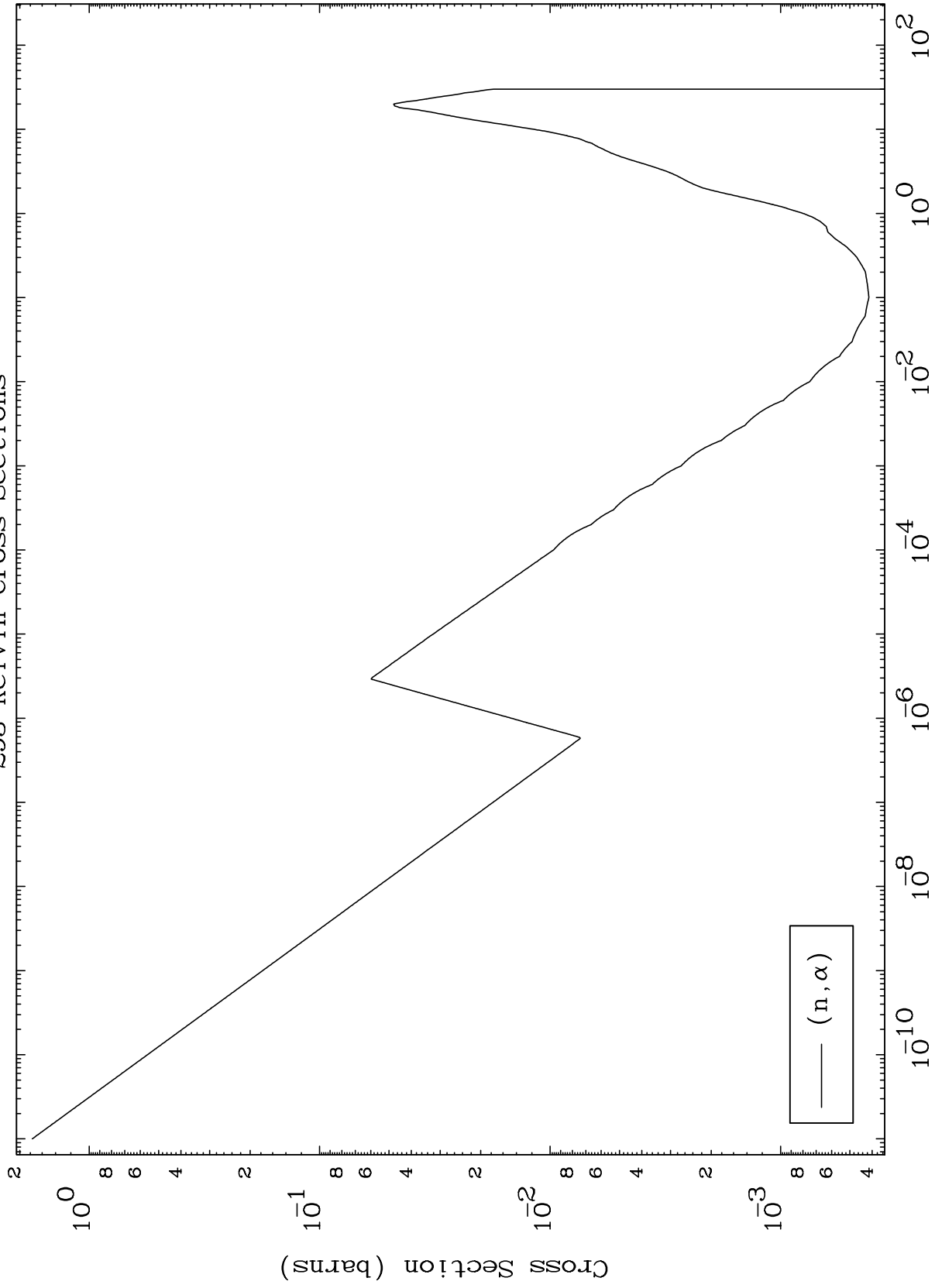


(n, He-3)

MAT 8780

(n, α) Levels
293 Kelvin Cross Sections

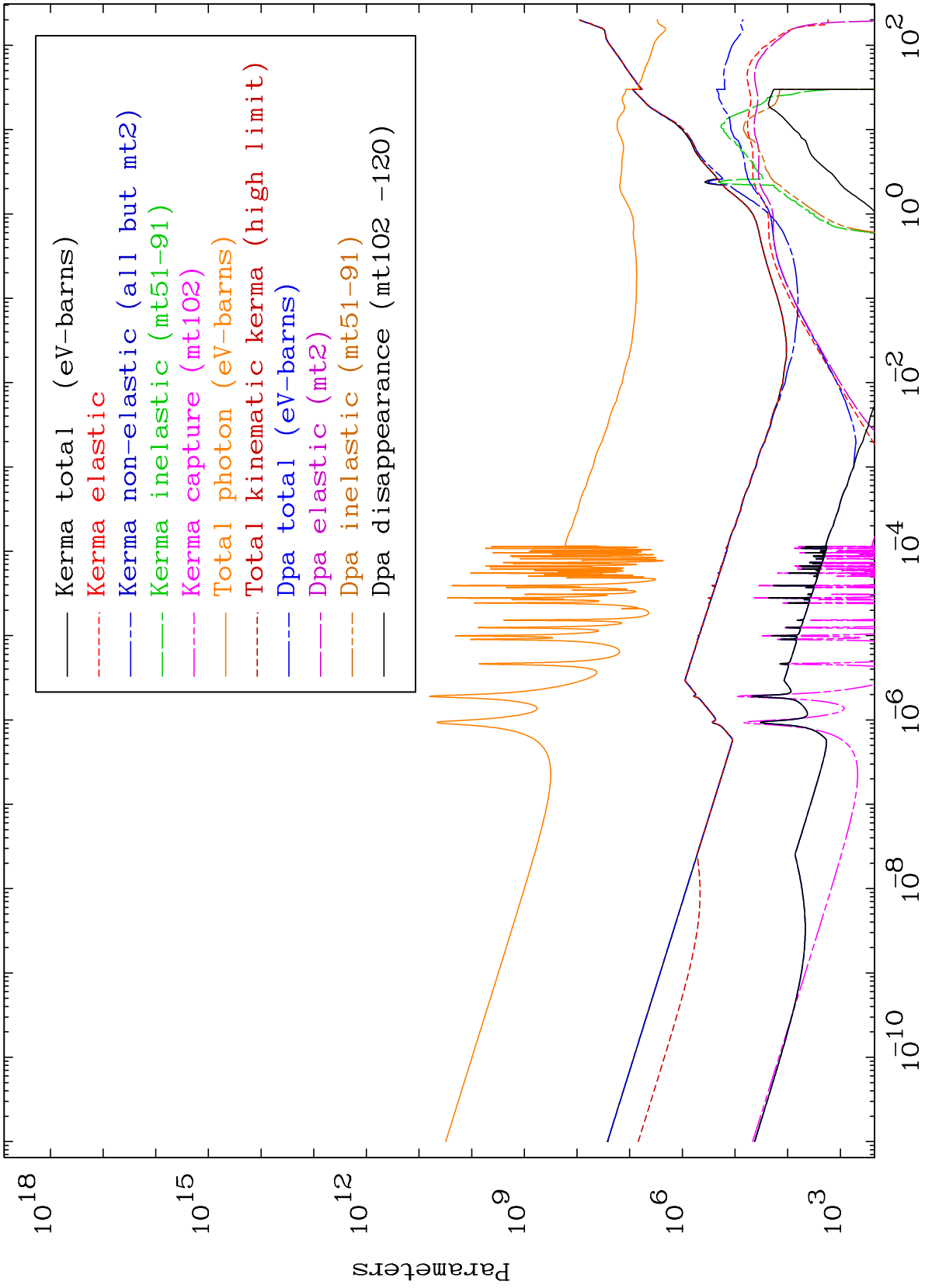
88-Ra-208

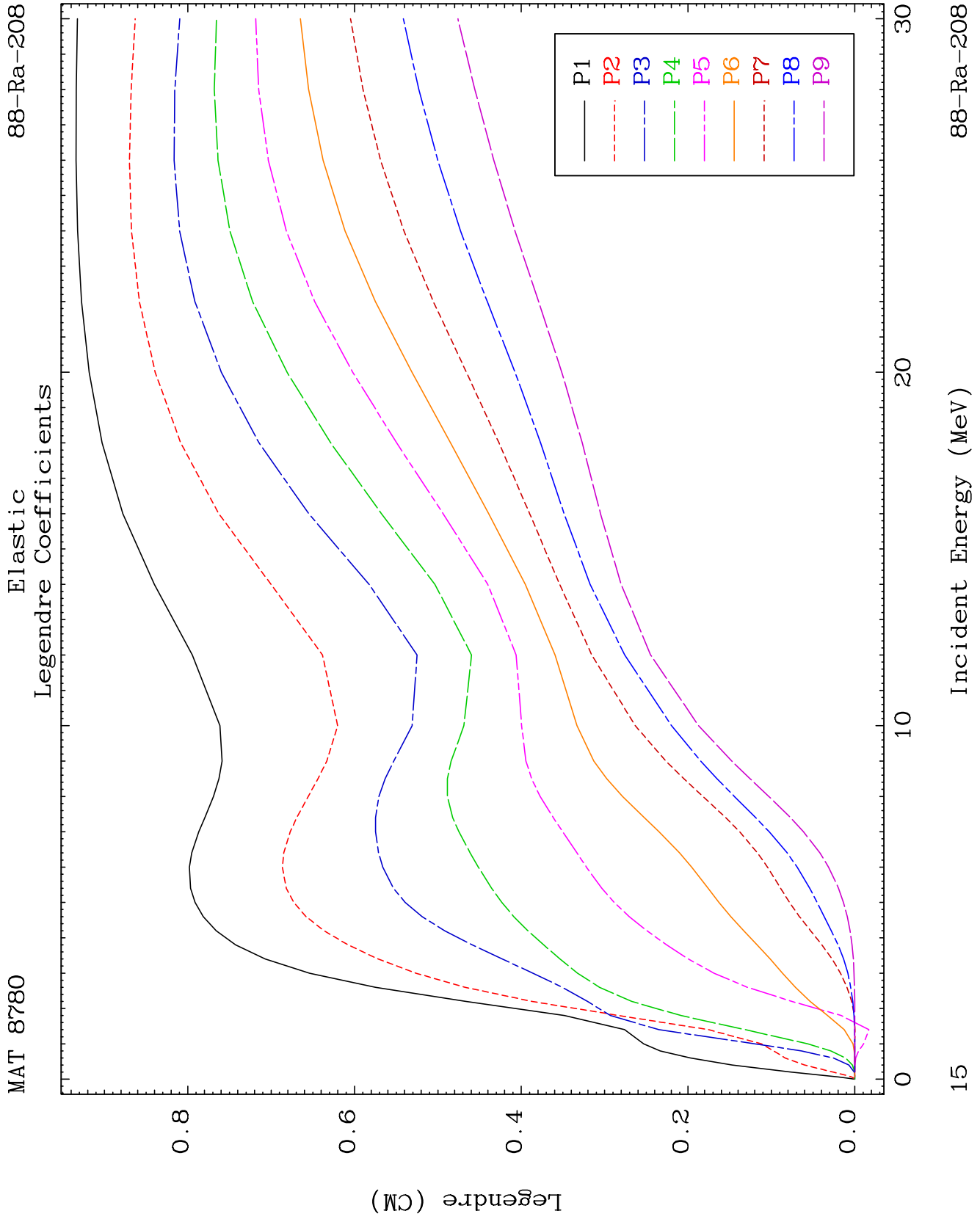


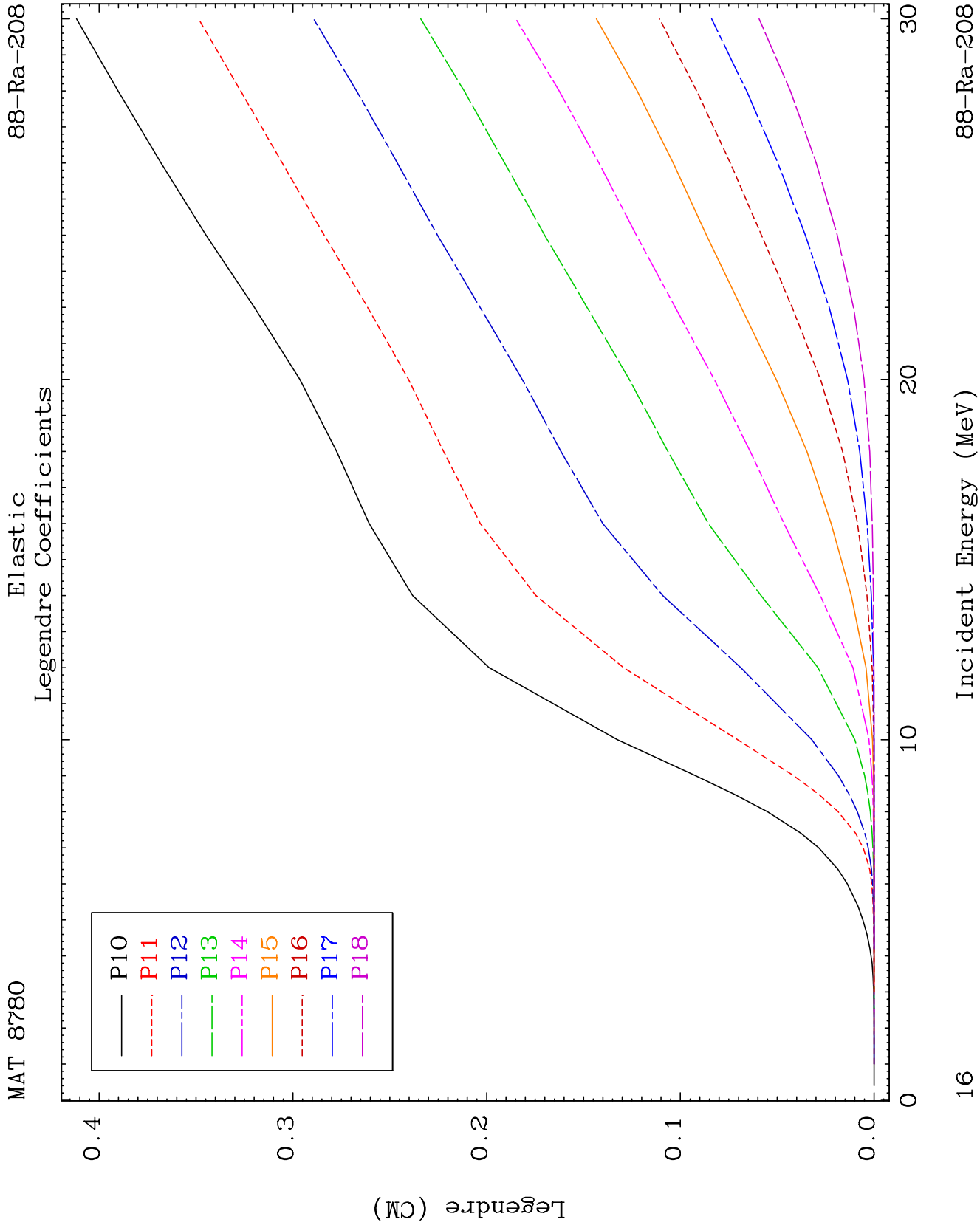
13

Incident Energy (MeV)

88-Ra-208



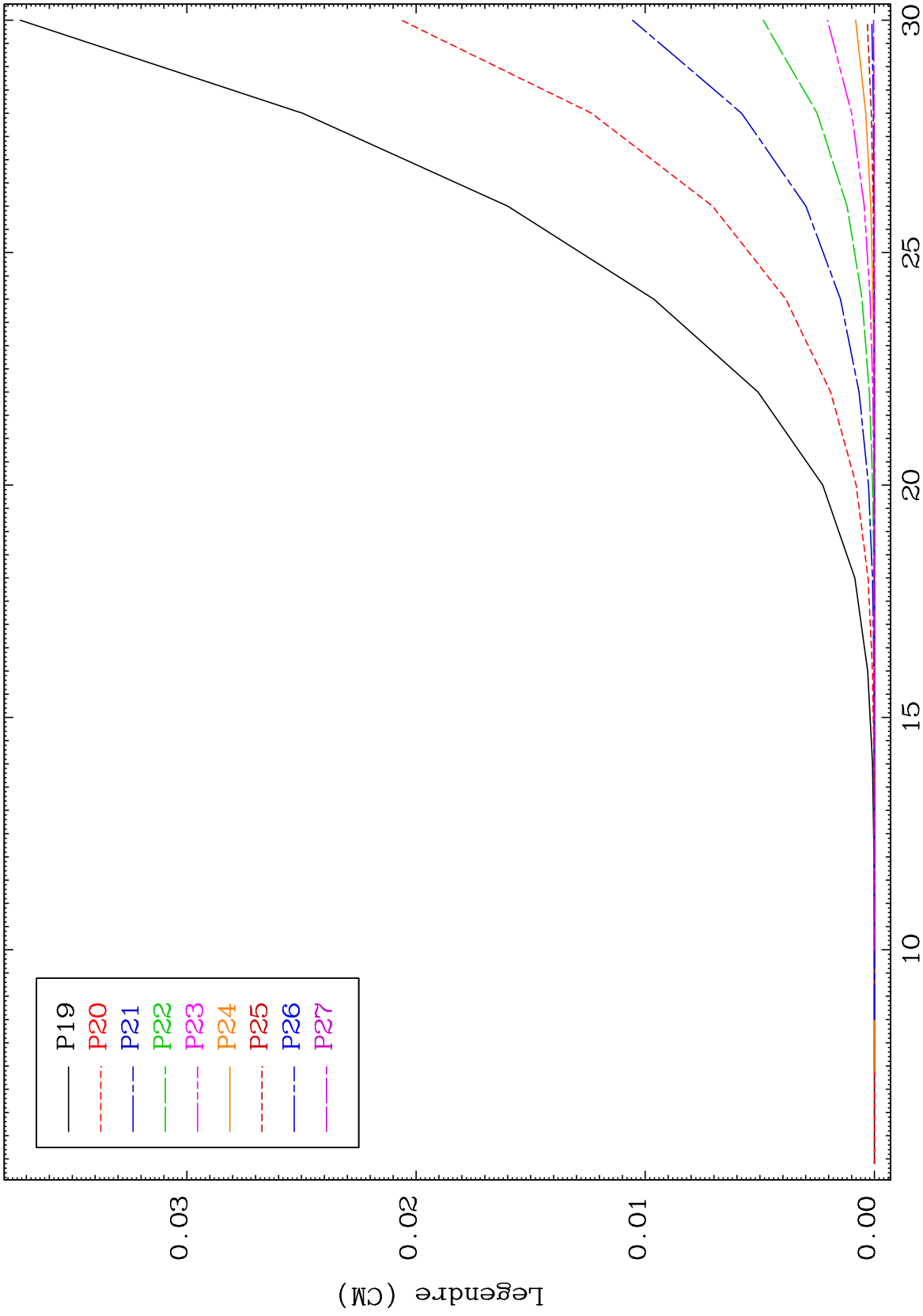




MAT 8780

Elastic Legendre Coefficients

88-Ra-208



17

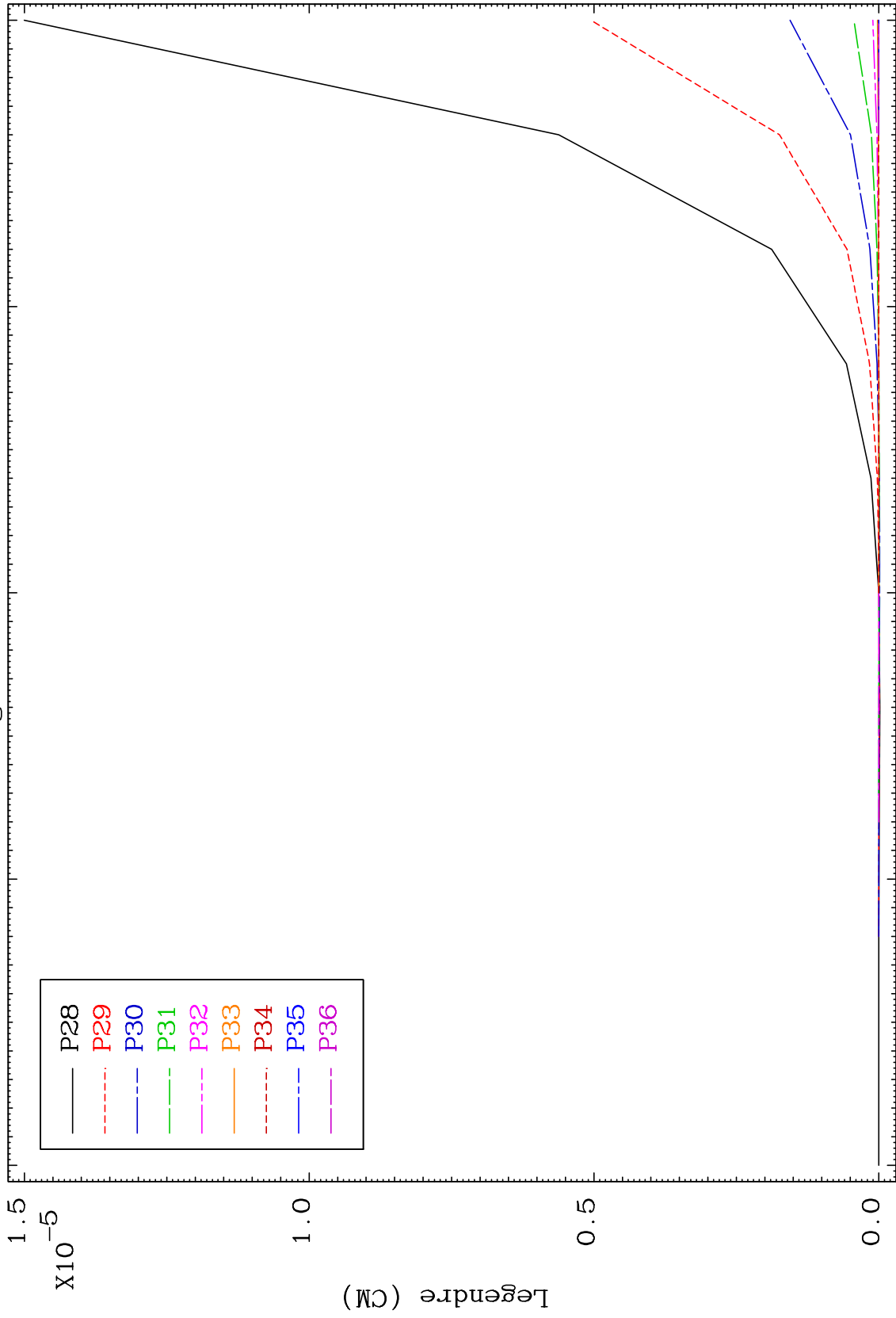
Incident Energy (MeV)

88-Ra-208

MAT 8780

Elastic Legendre Coefficients

88-Ra-208



18

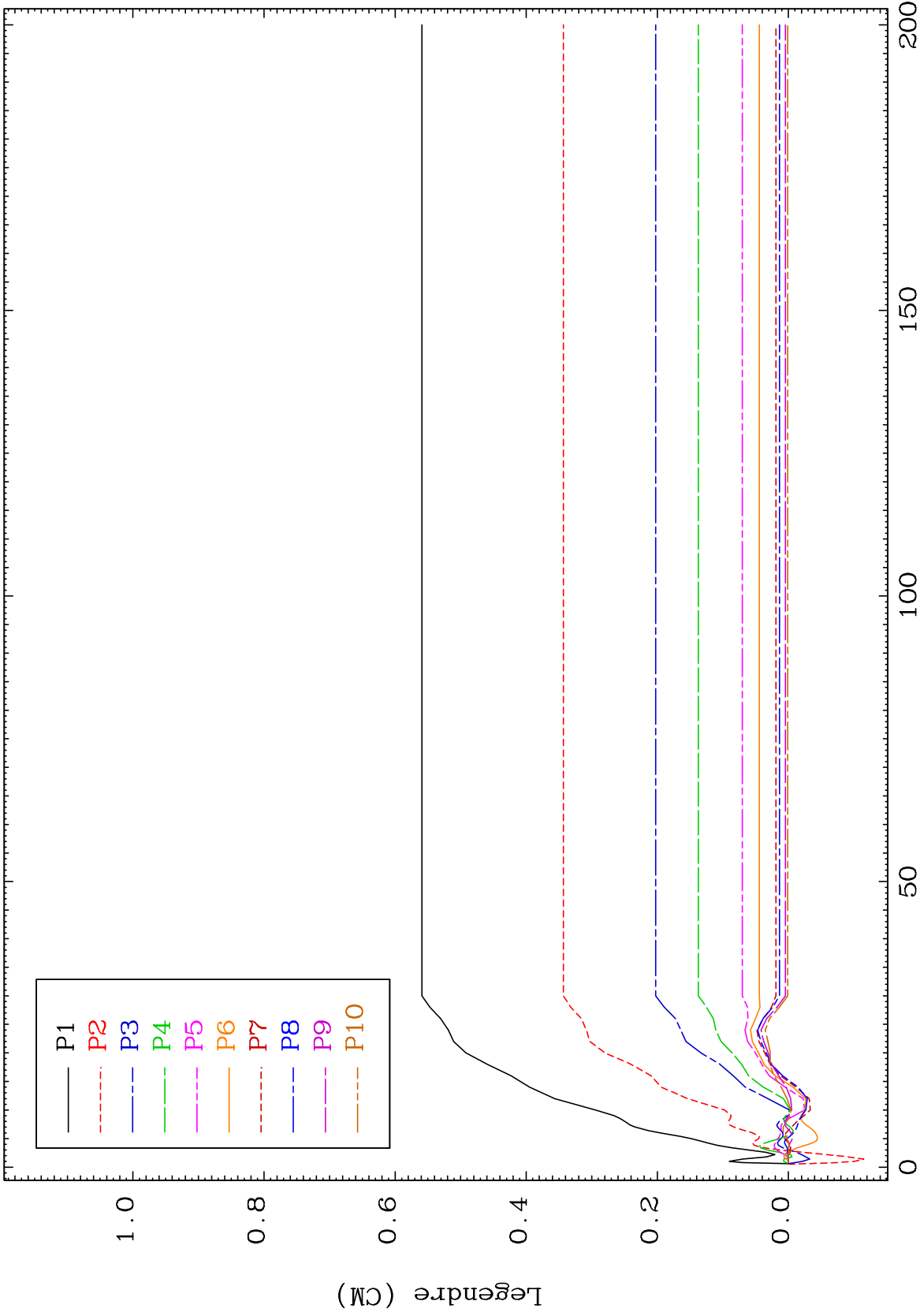
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



19

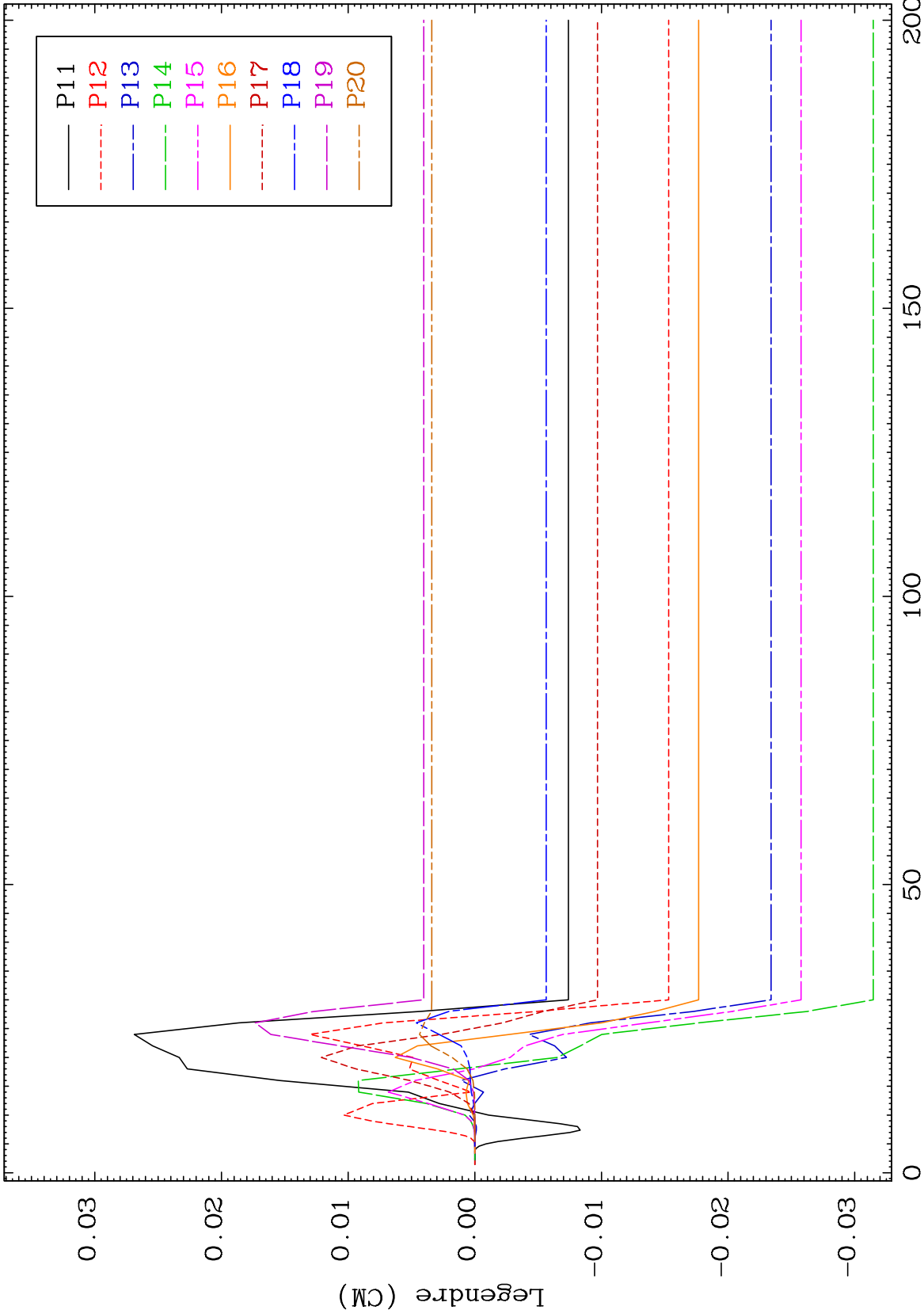
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



20

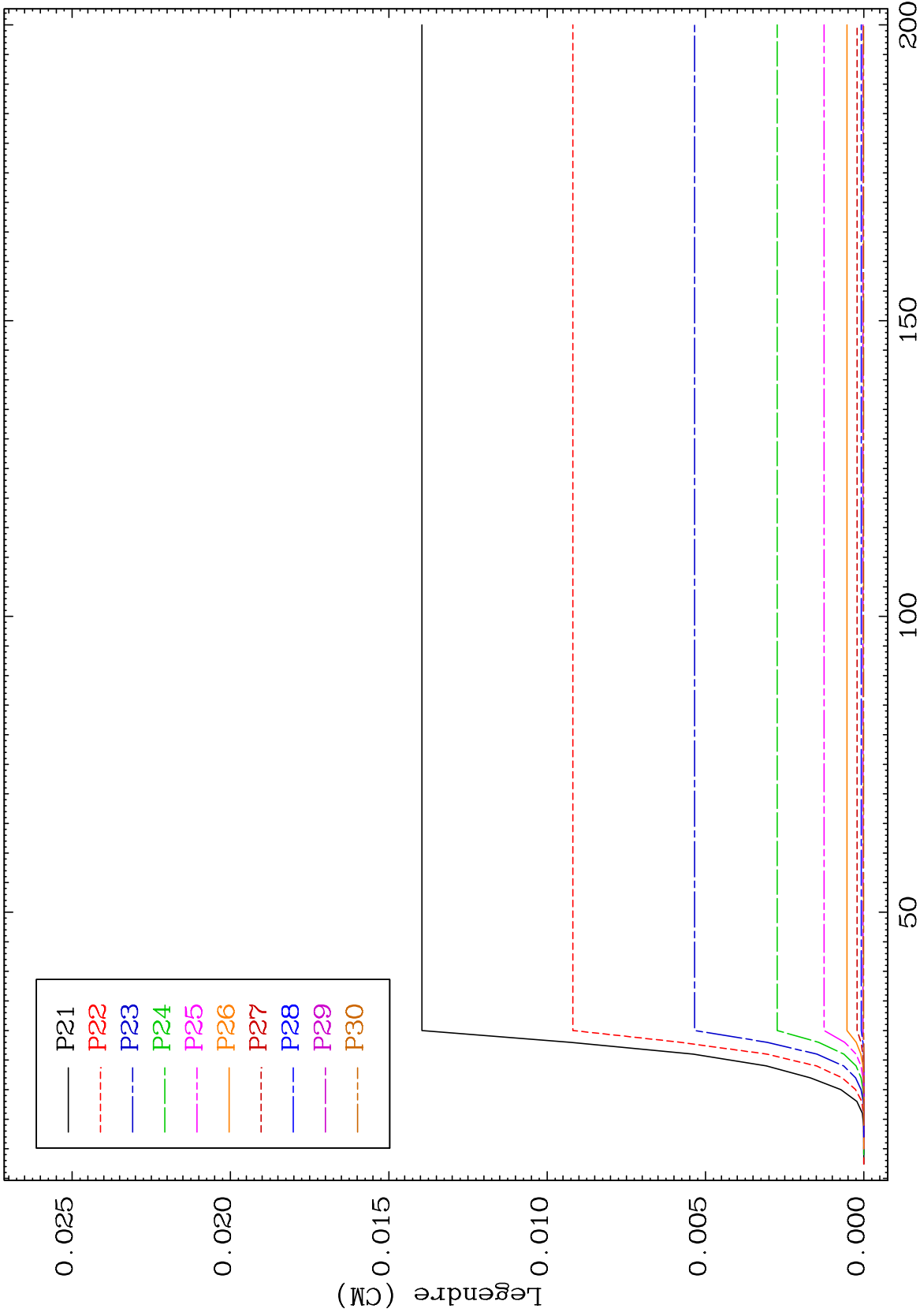
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



21

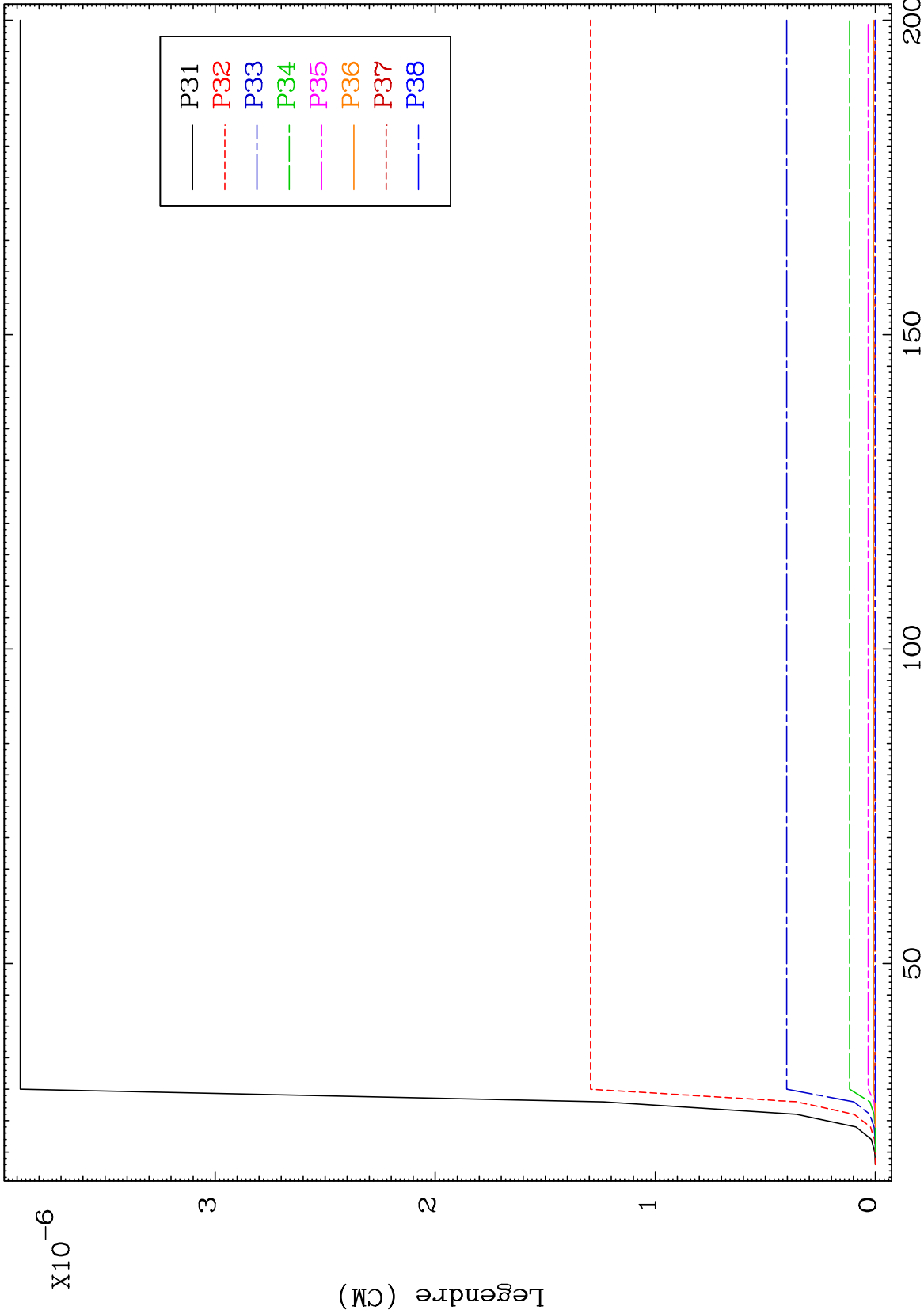
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



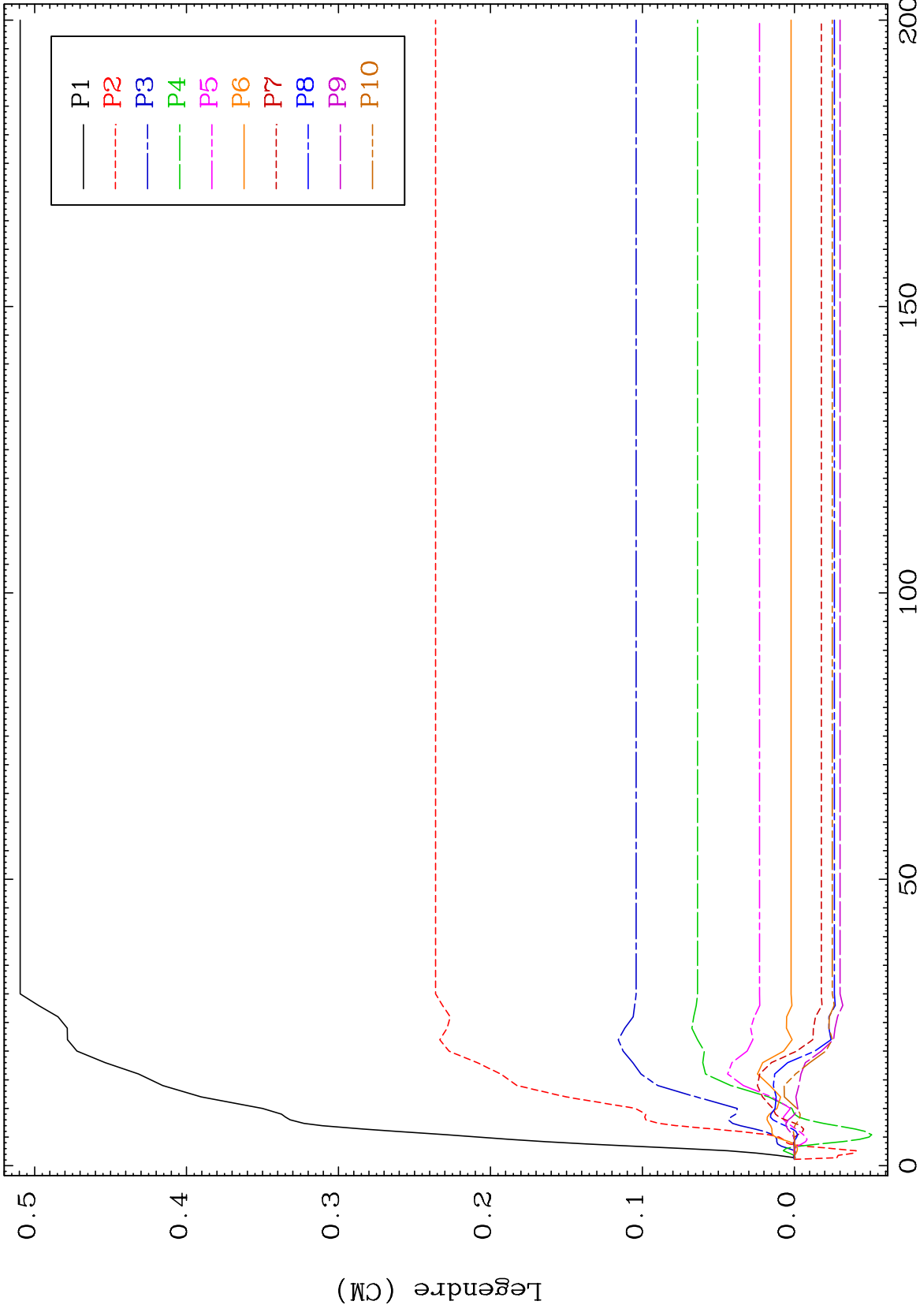
22

88-Ra-208

MAT 8780

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

88-Ra-208



23

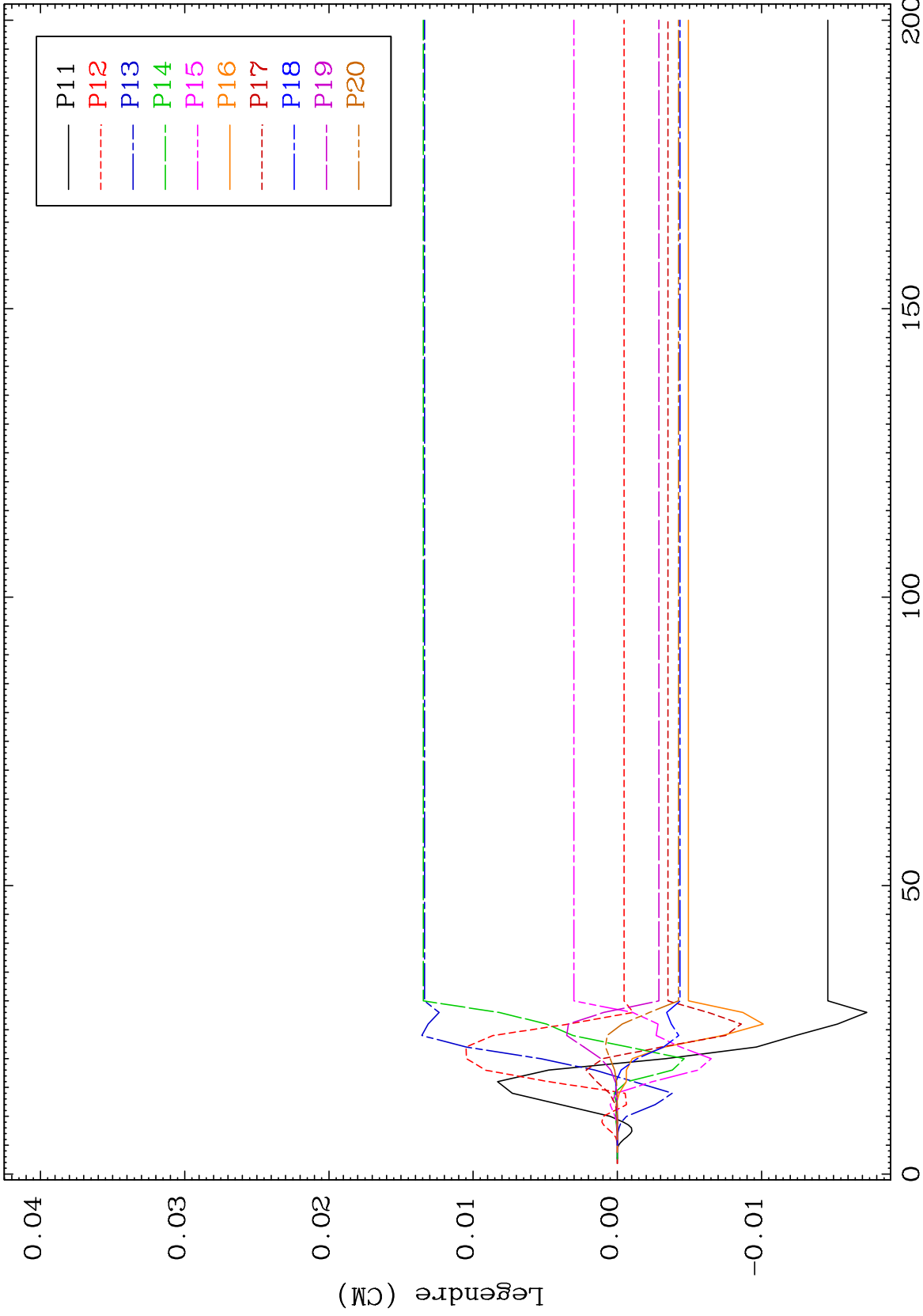
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208

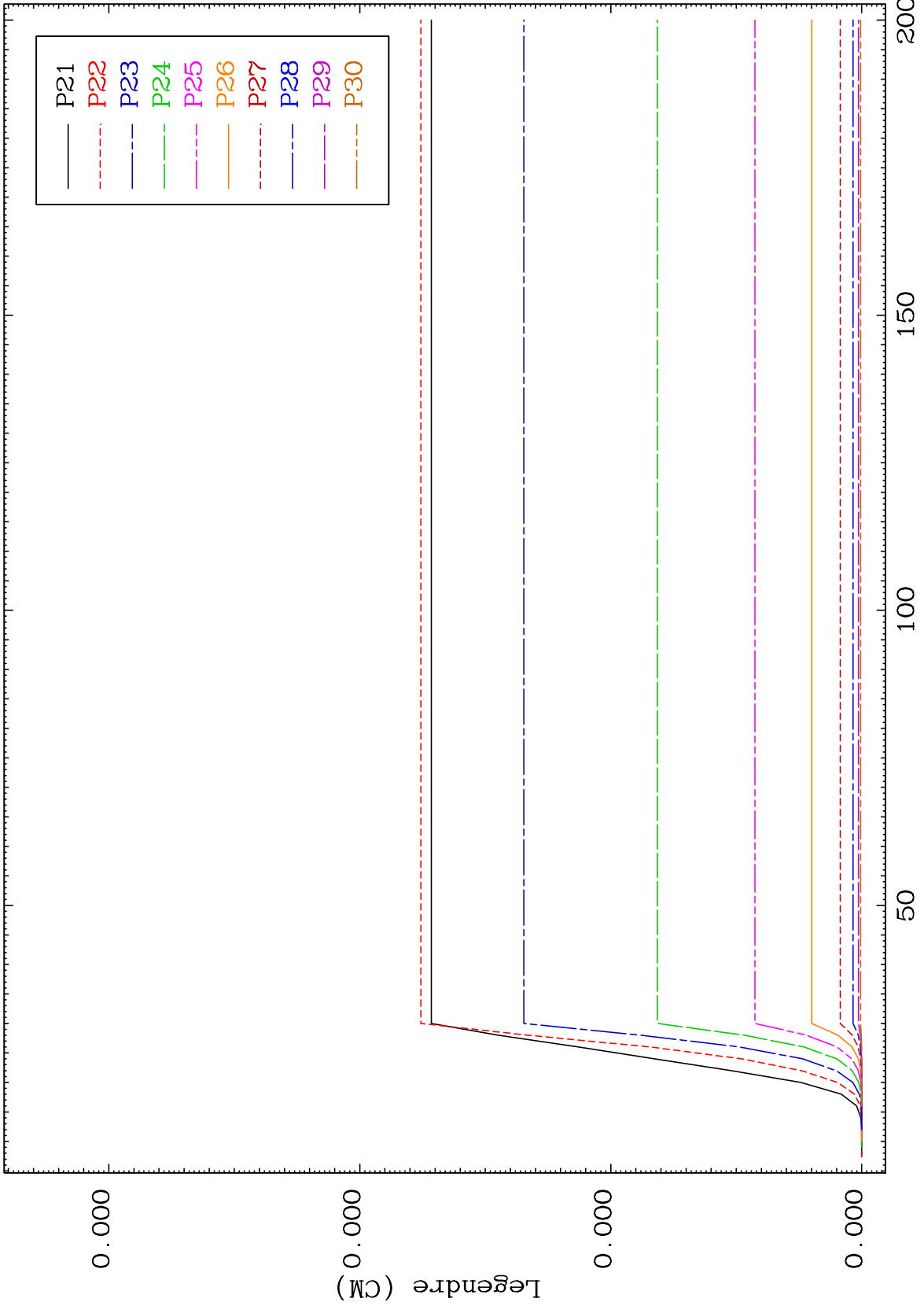


24

Incident Energy (MeV)

88-Ra-208

MAT 8780 MT= 52 (n,n') Level Legendre Coefficients 88-Ra-208

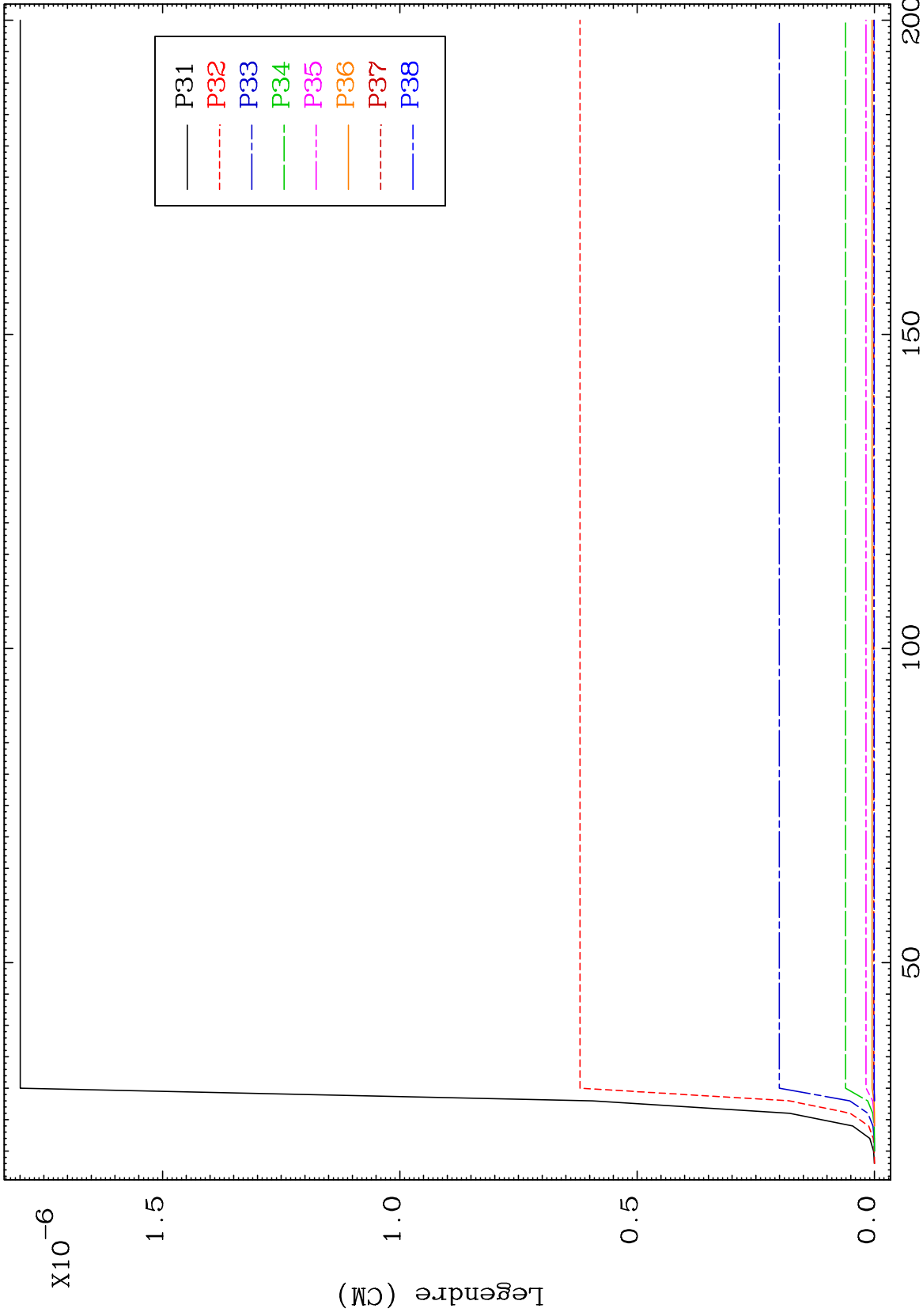


25 Incident Energy (MeV) 88-Ra-208

MAT 8780

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

88-Ra-208



26

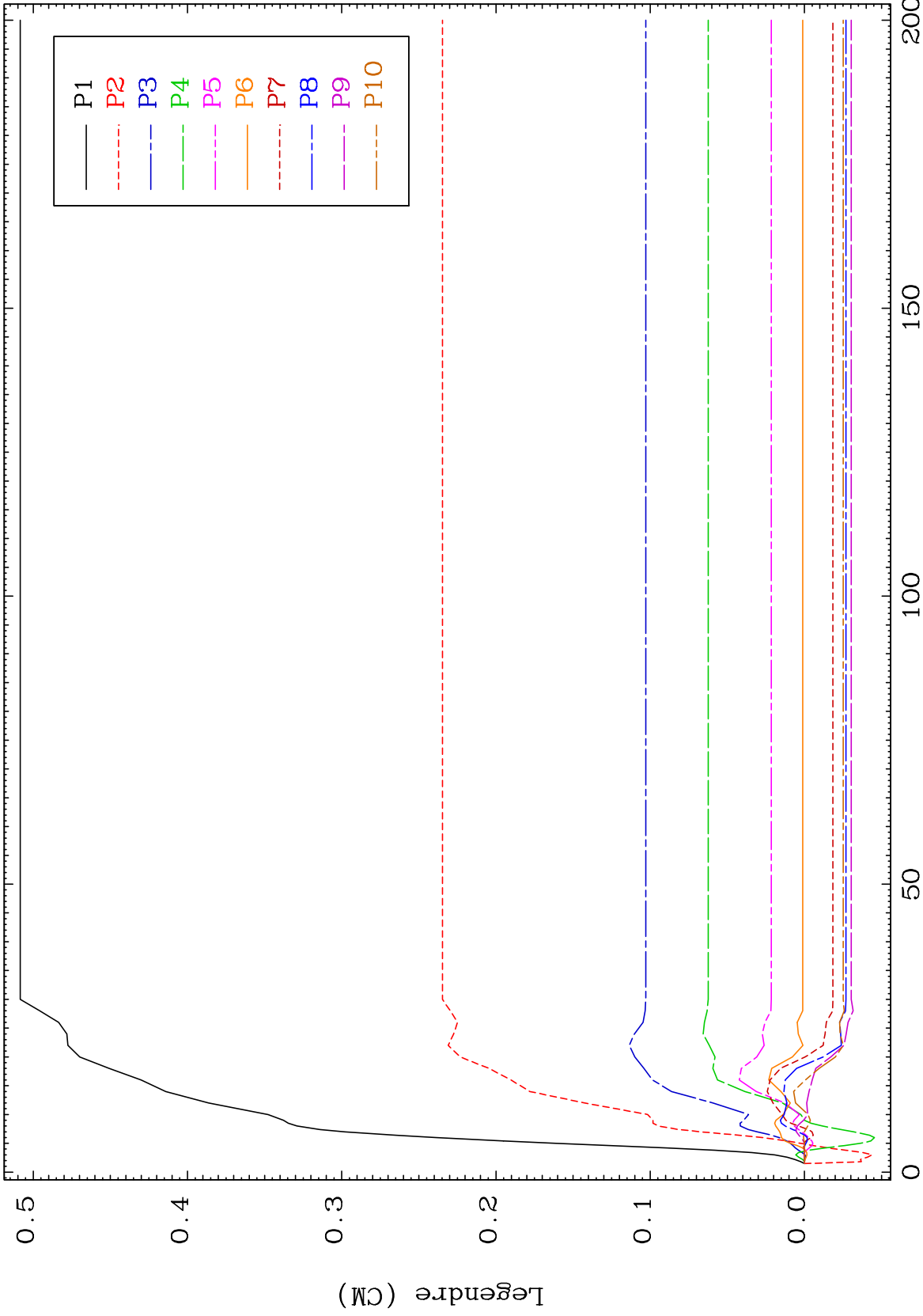
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



27

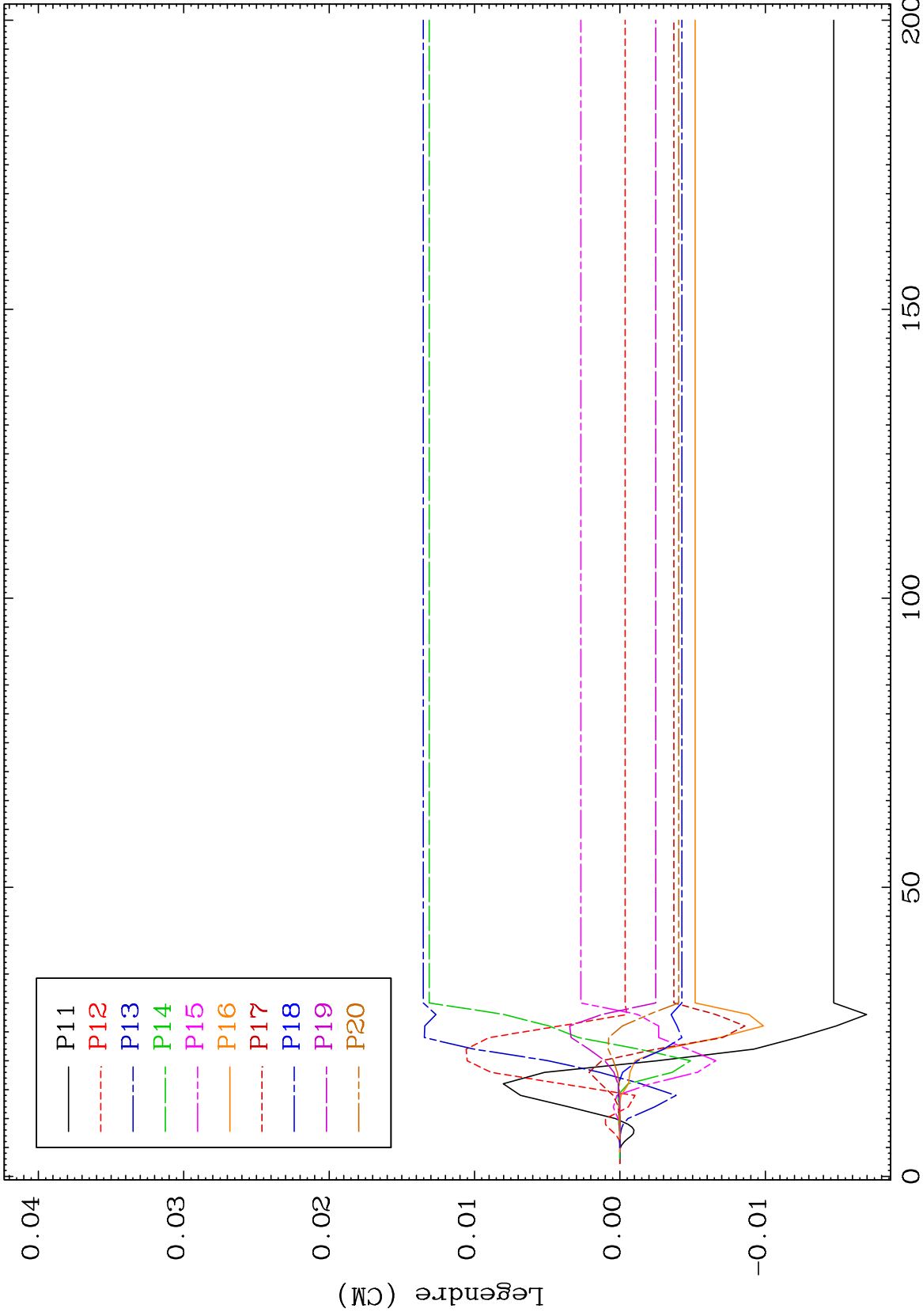
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



28

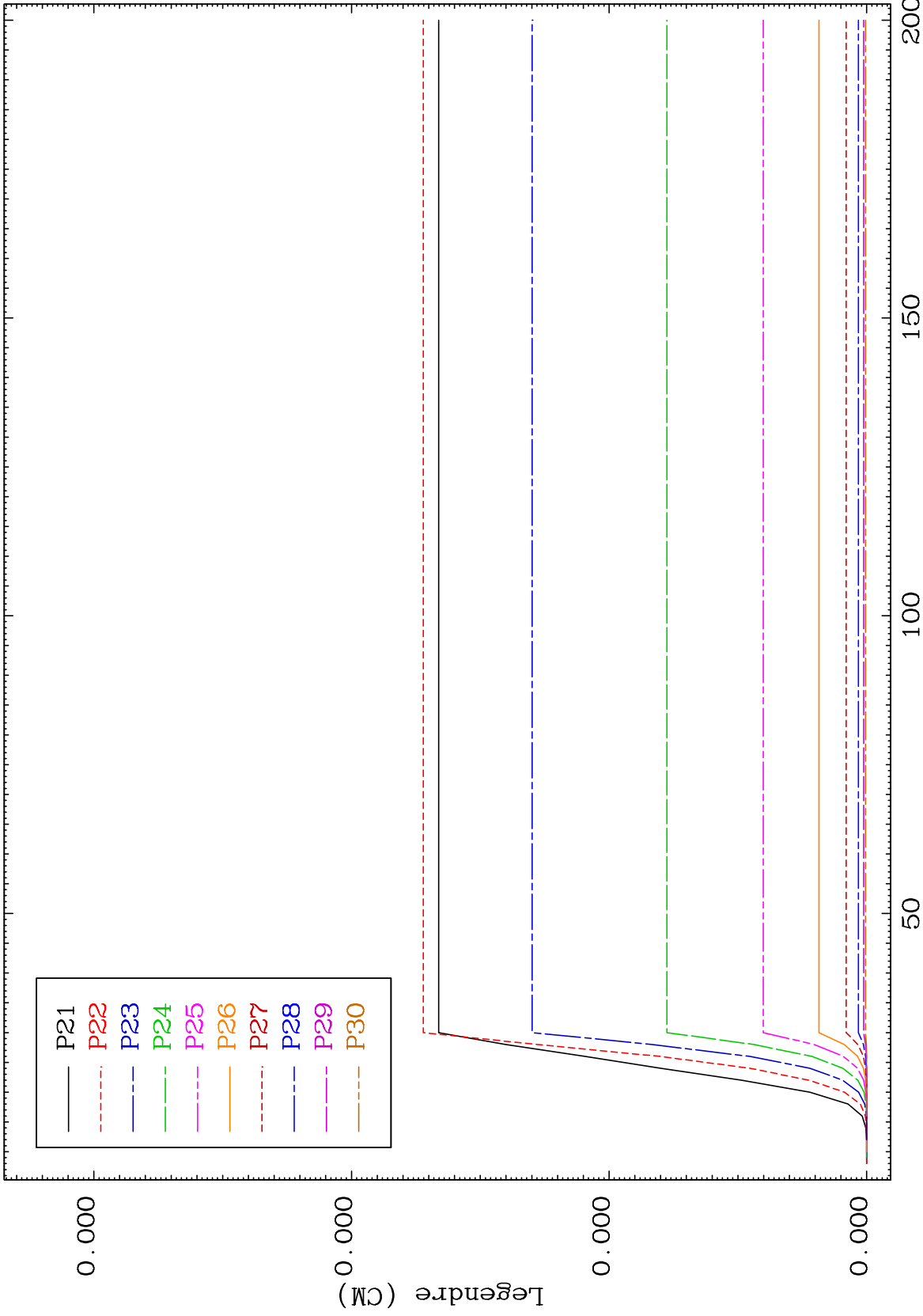
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



29

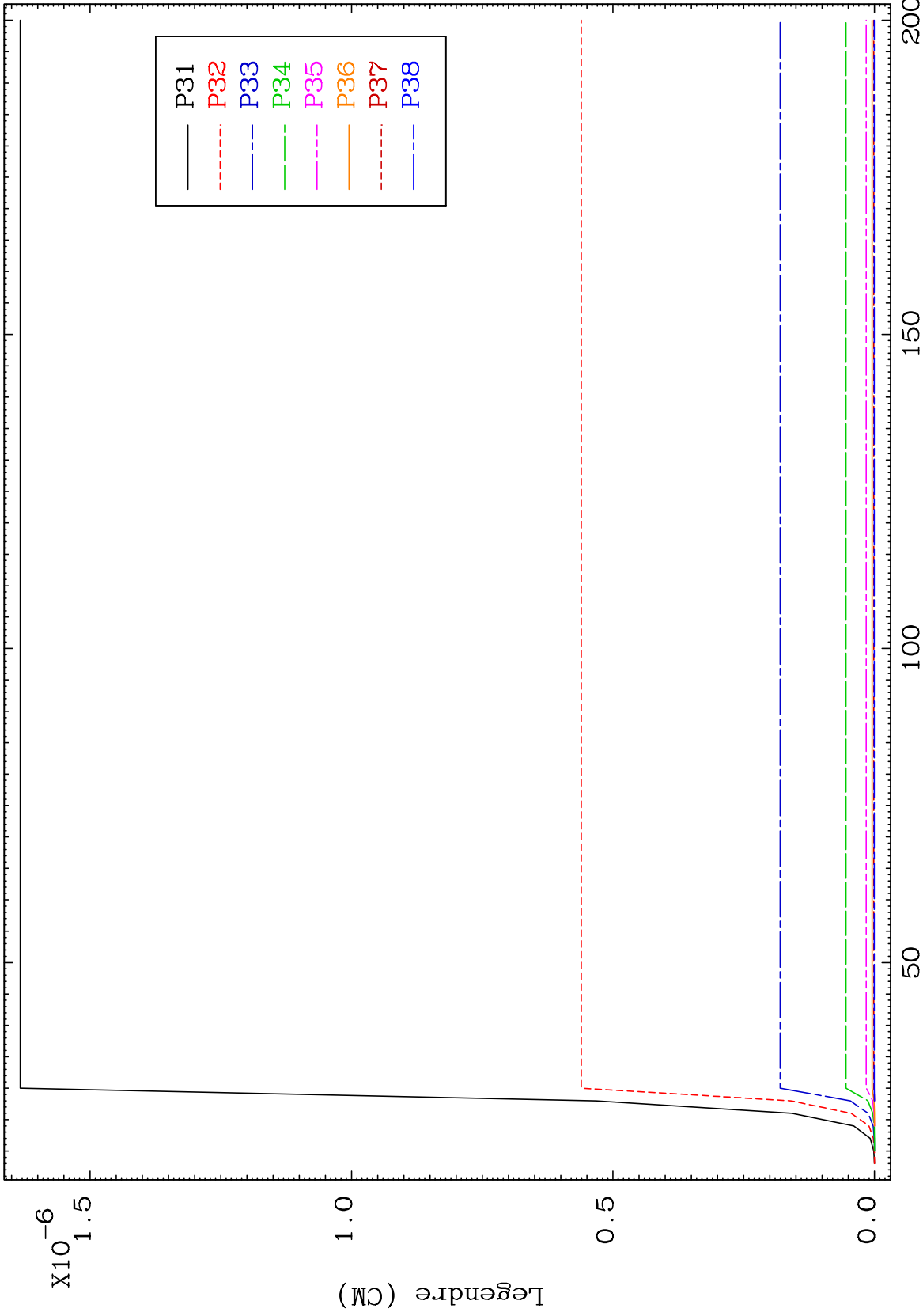
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



30

Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



31

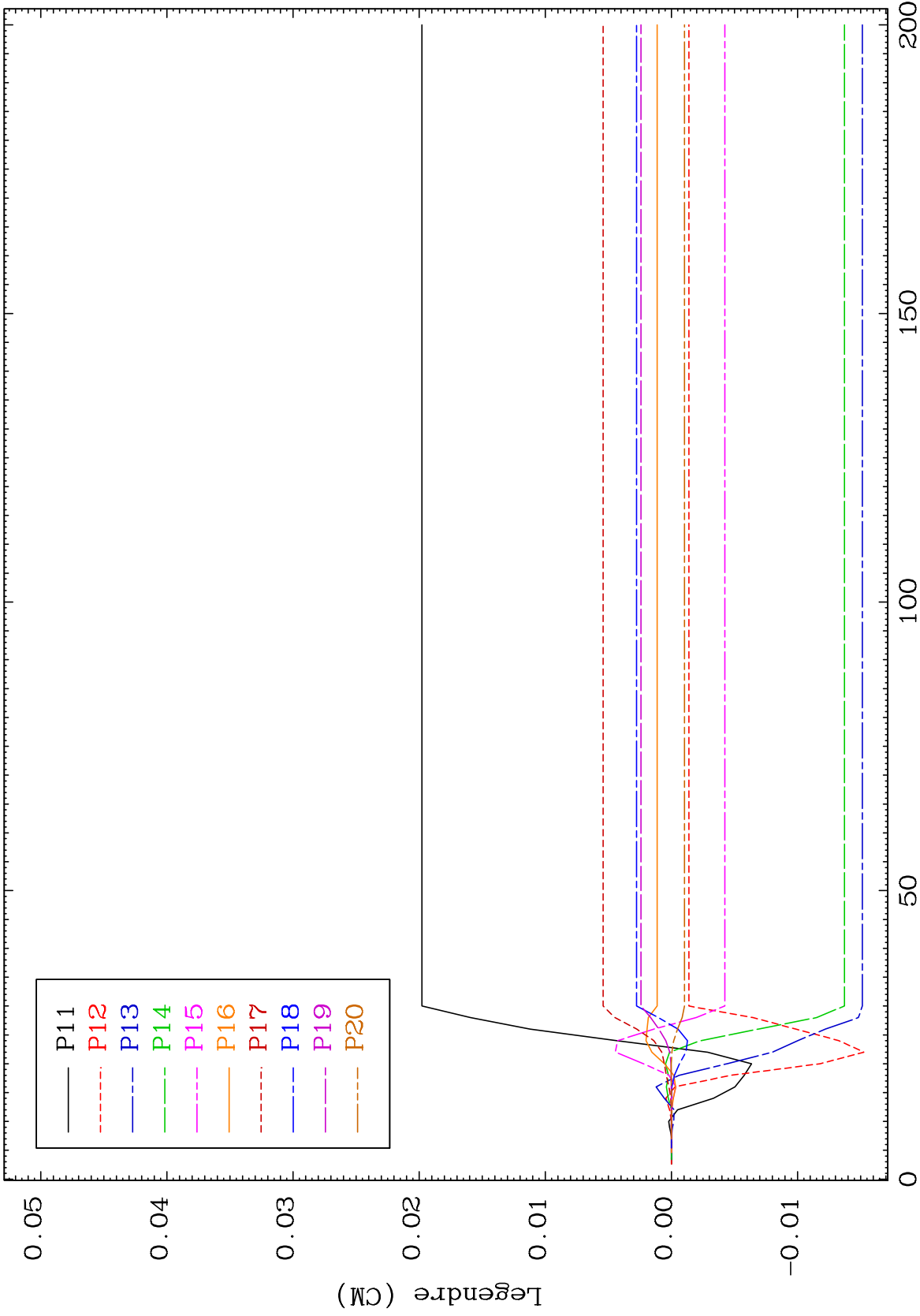
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



32

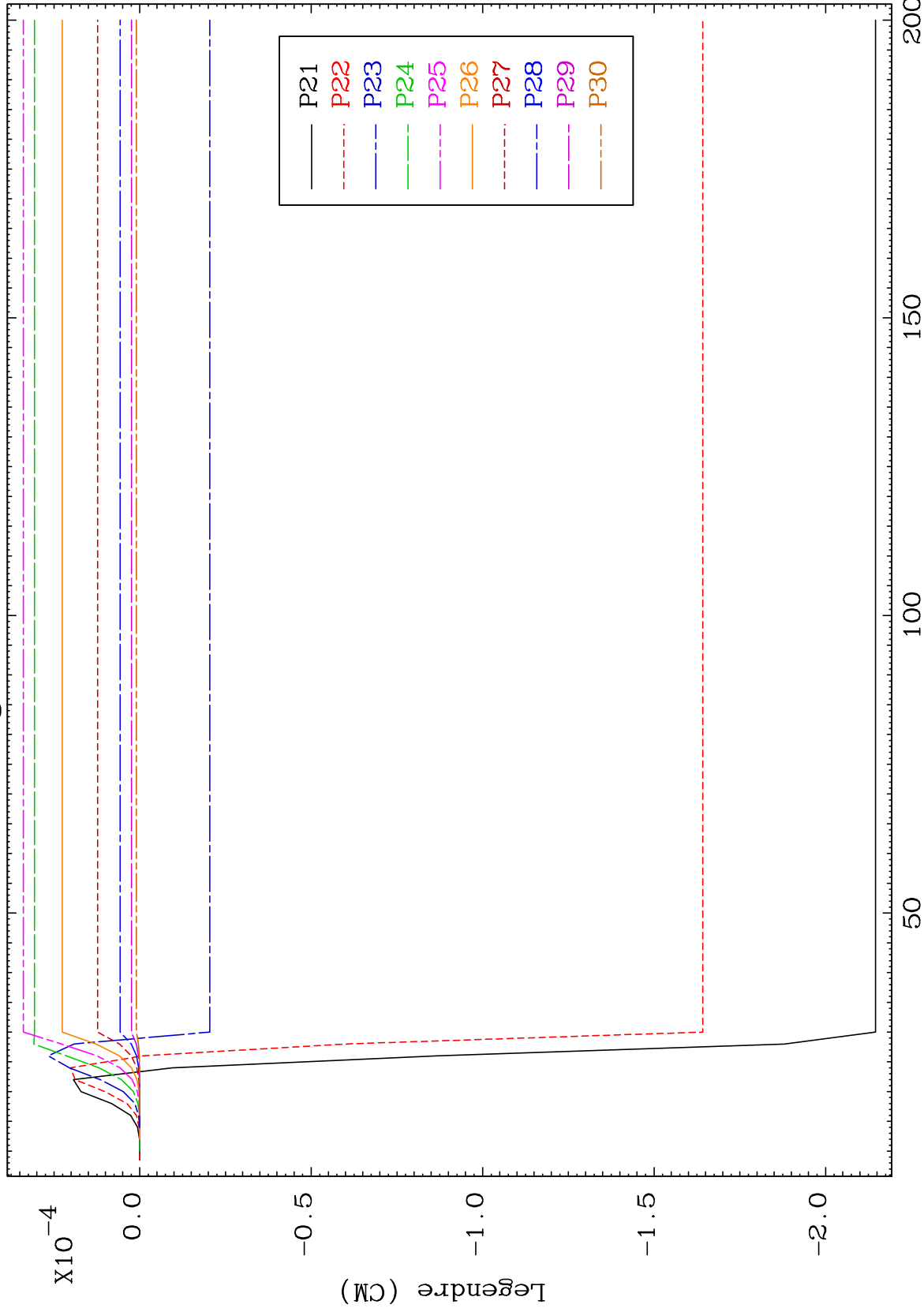
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



33

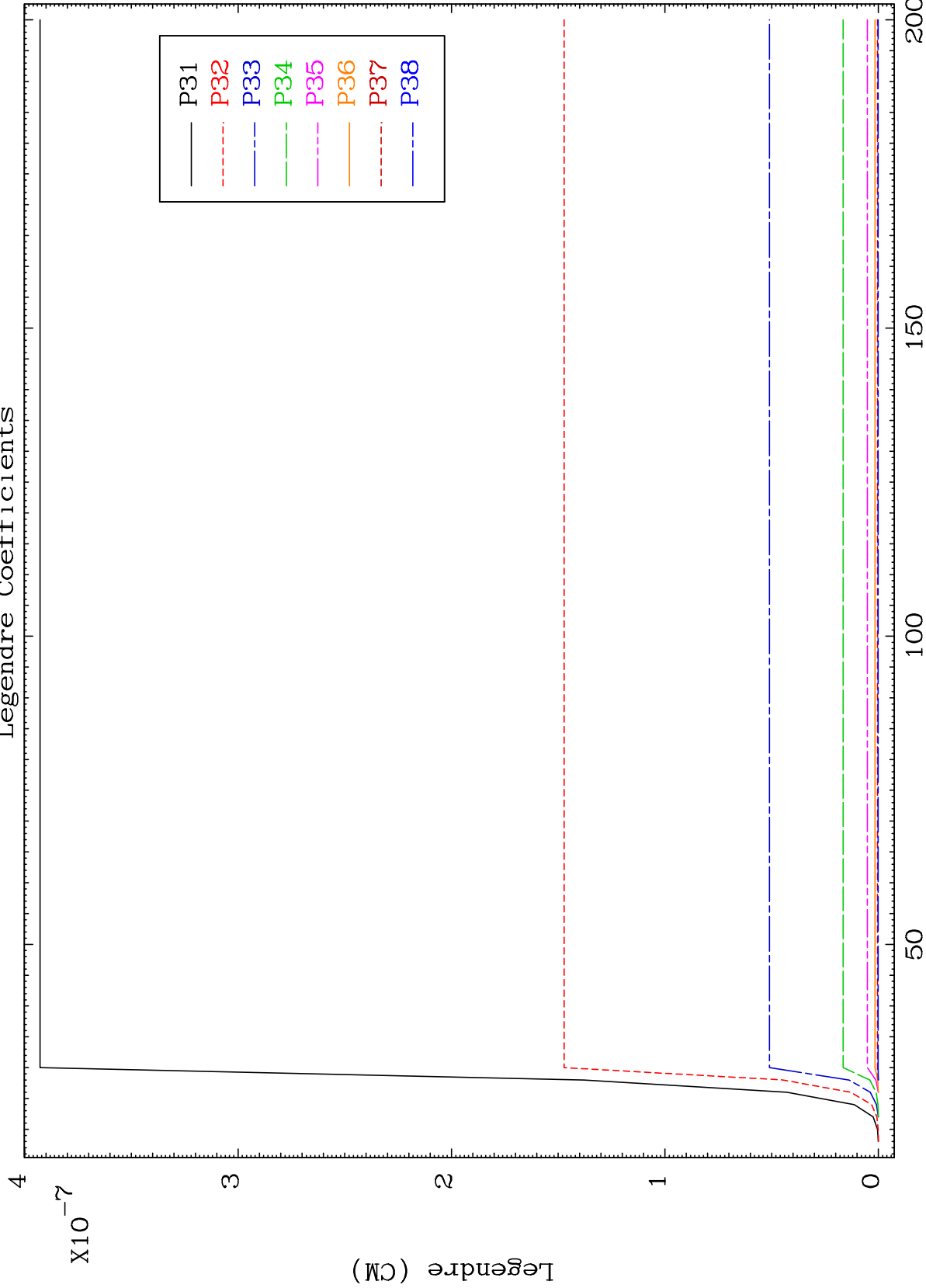
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



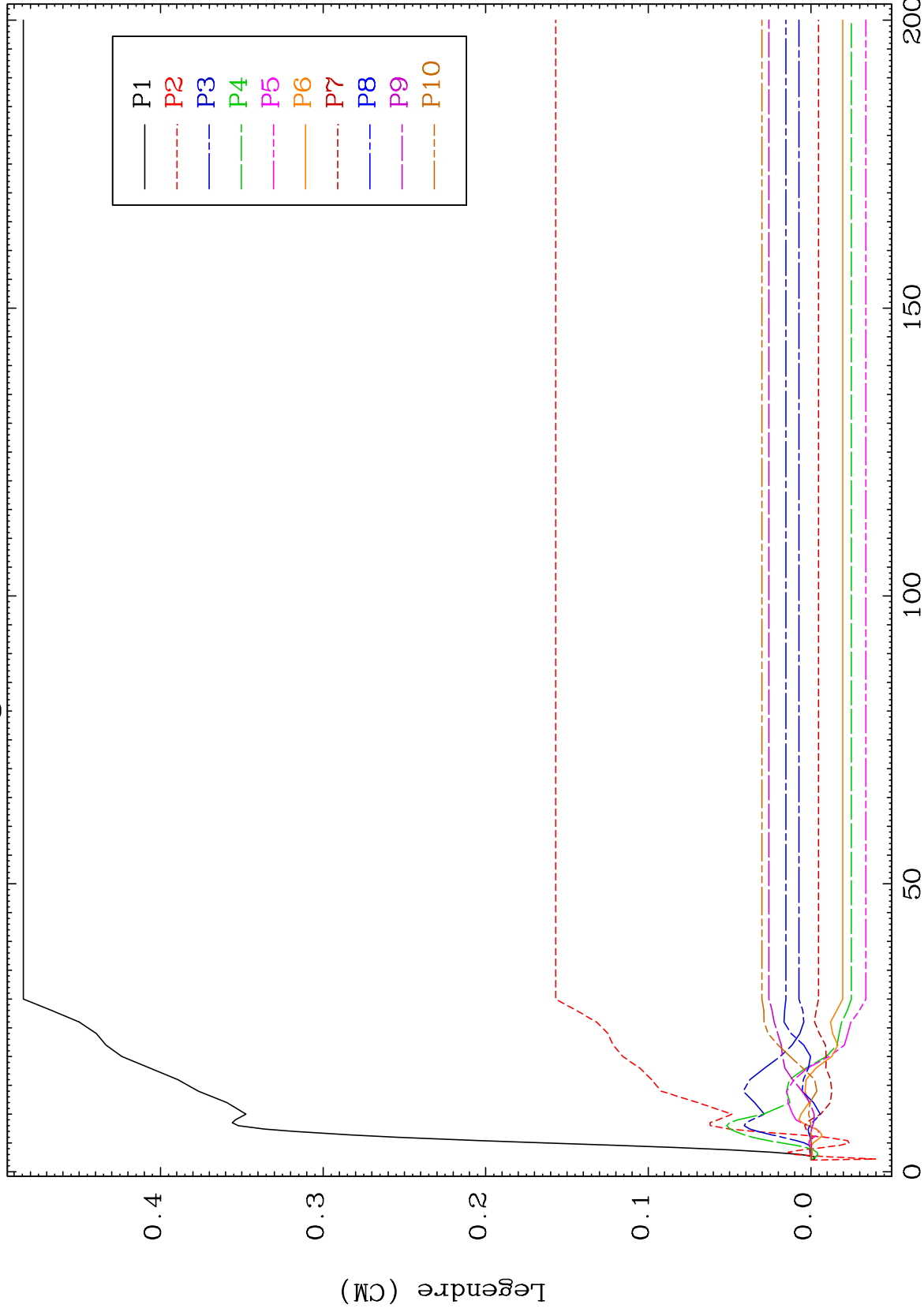
34

88-Ra-208

MAT 8780

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

88-Ra-208



35

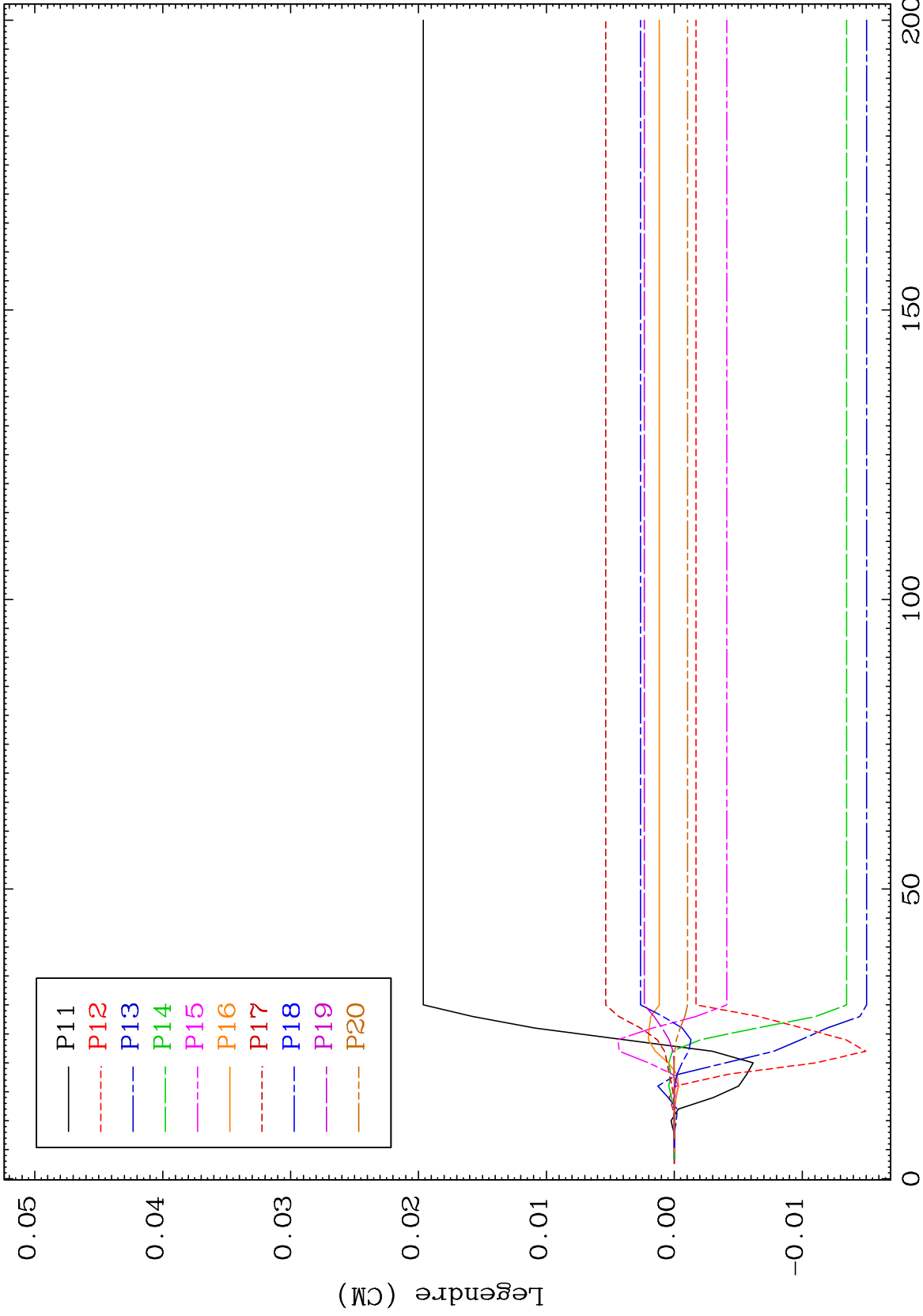
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



36

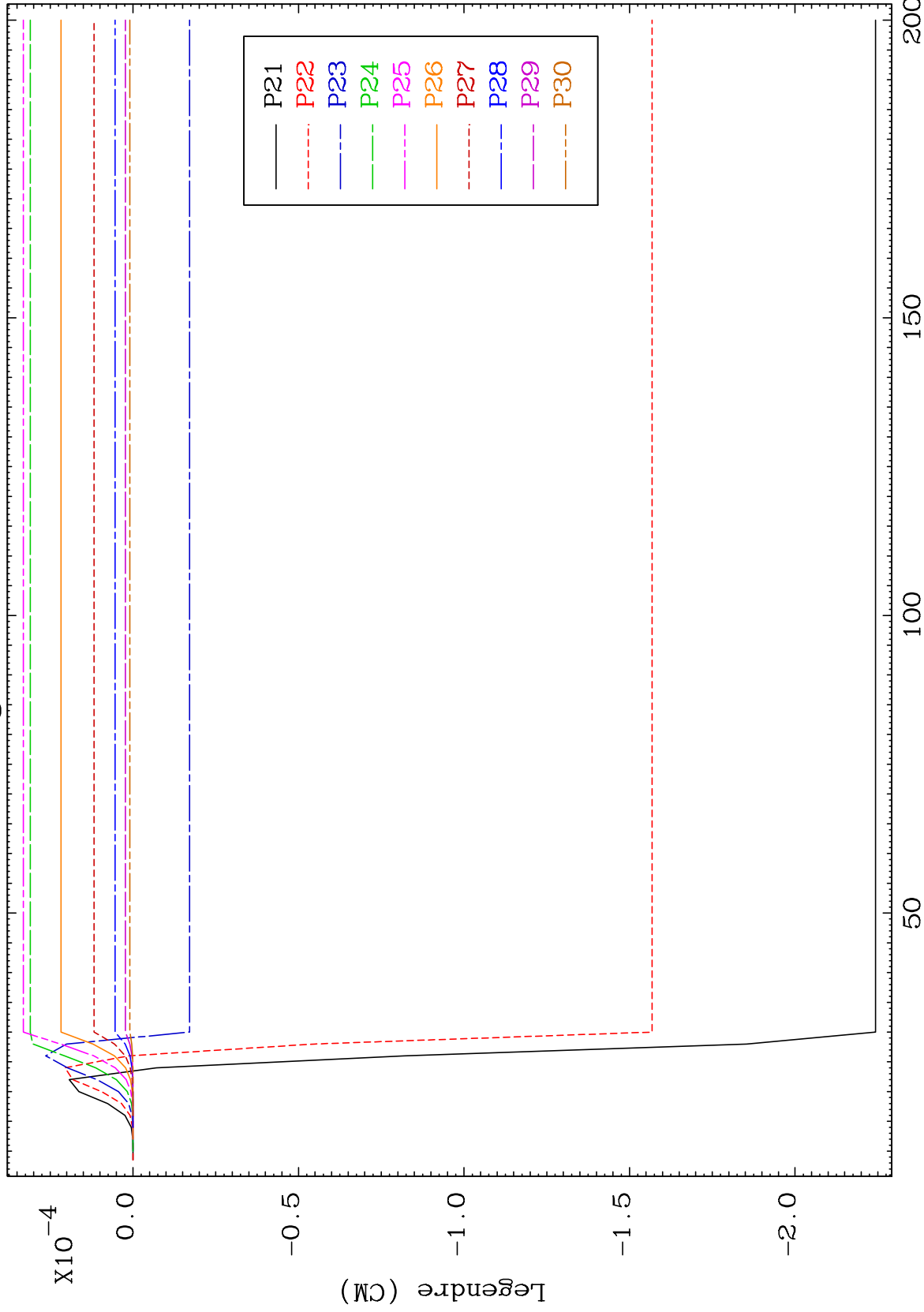
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



37

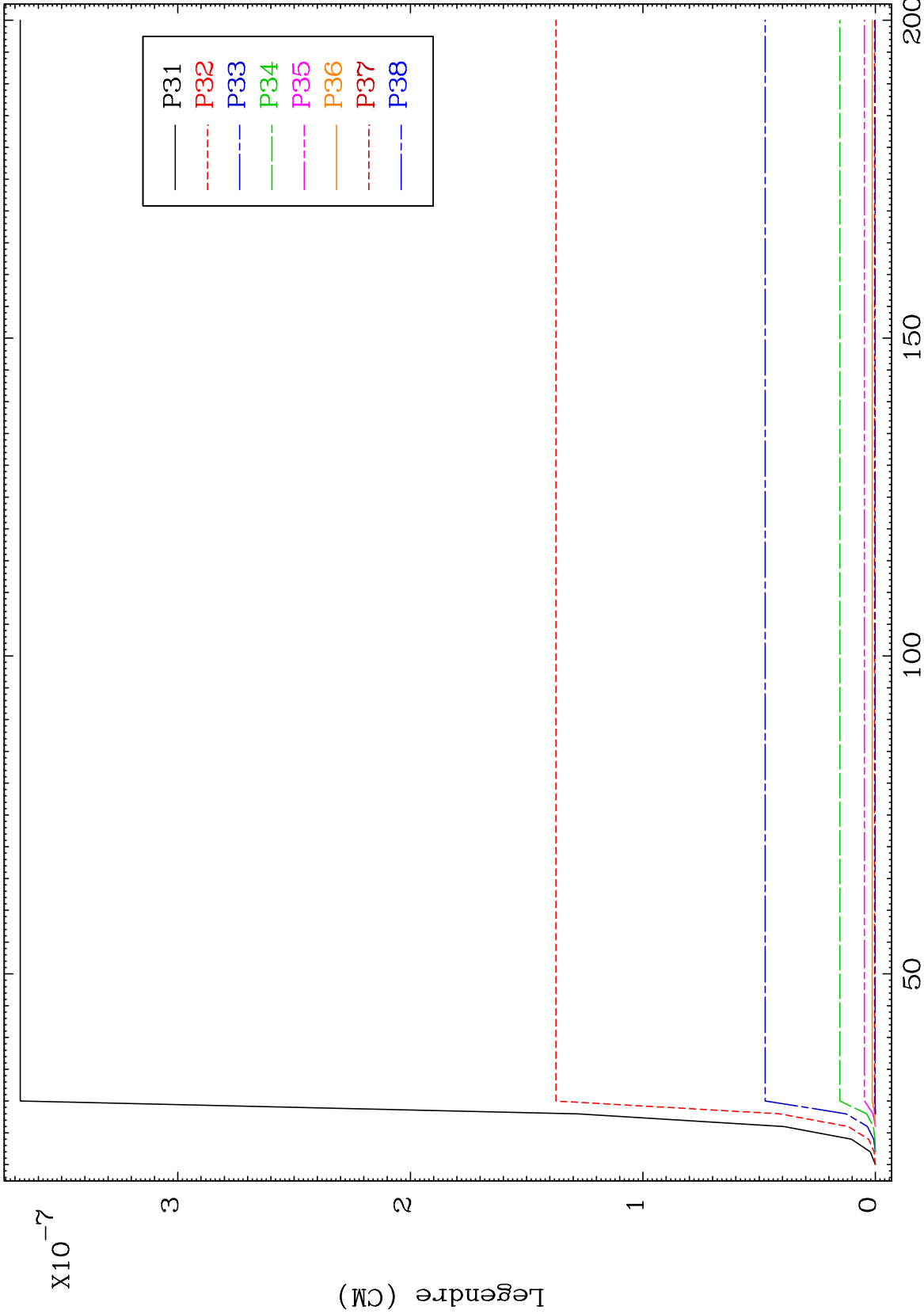
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



38

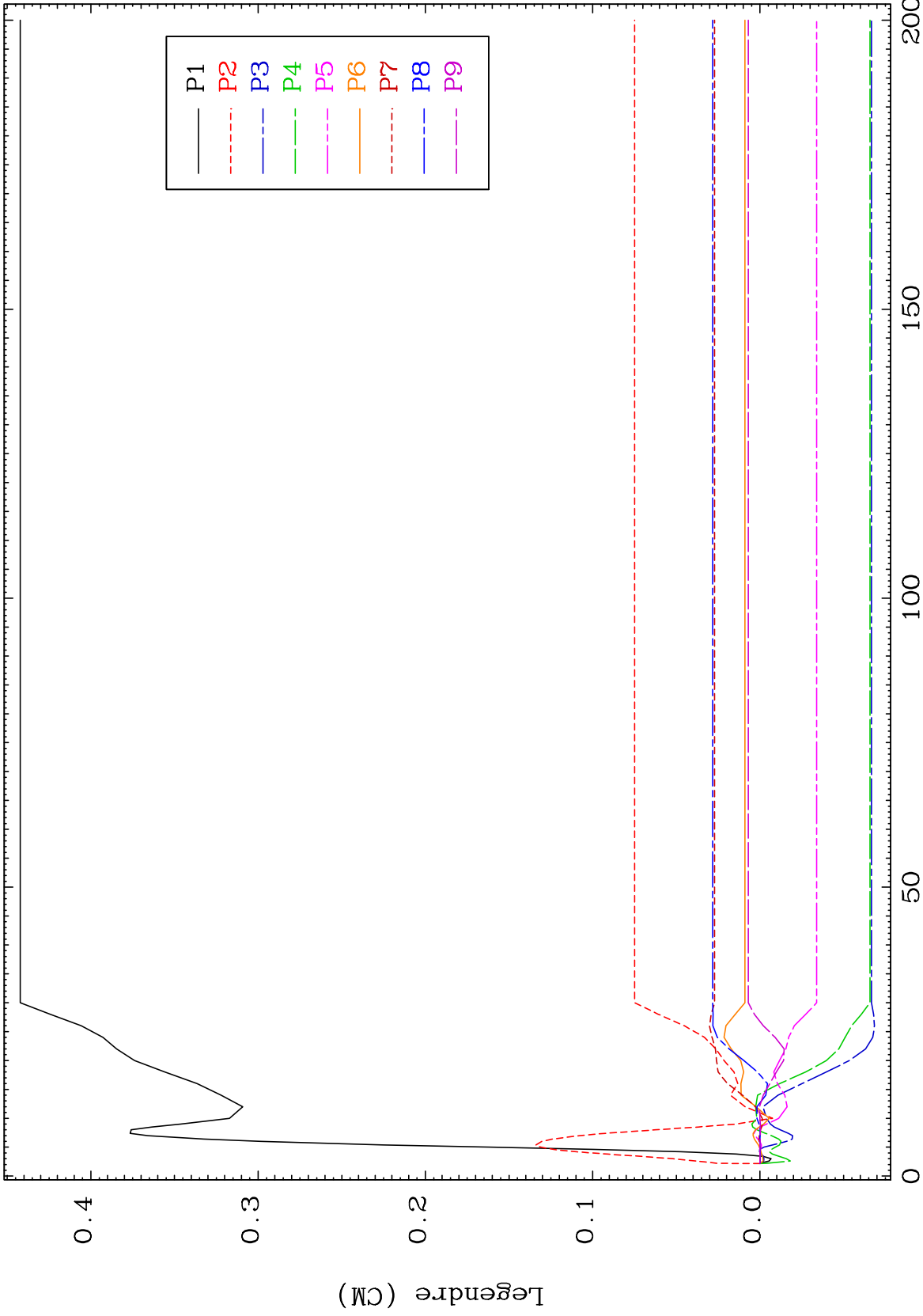
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



39

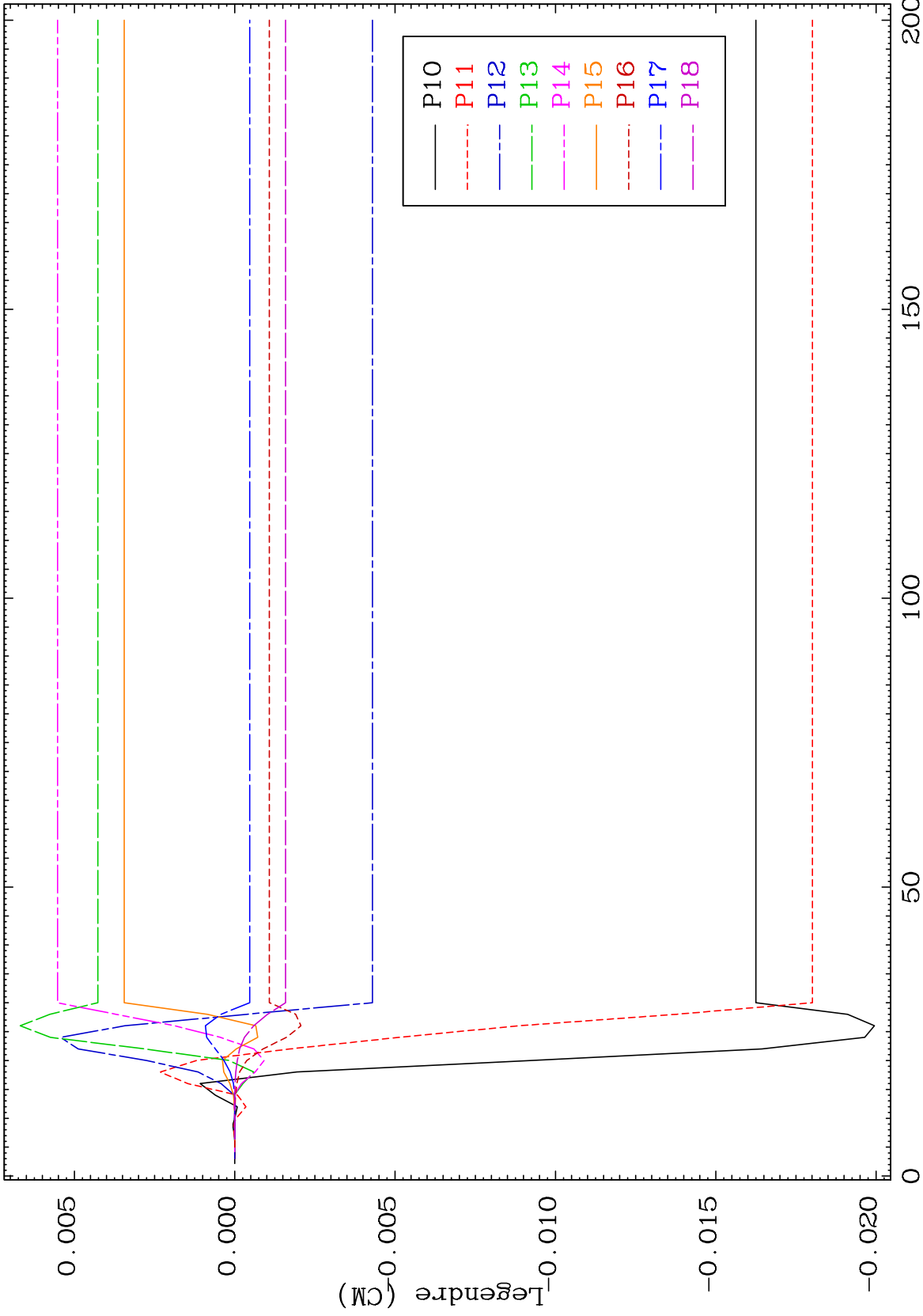
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



40

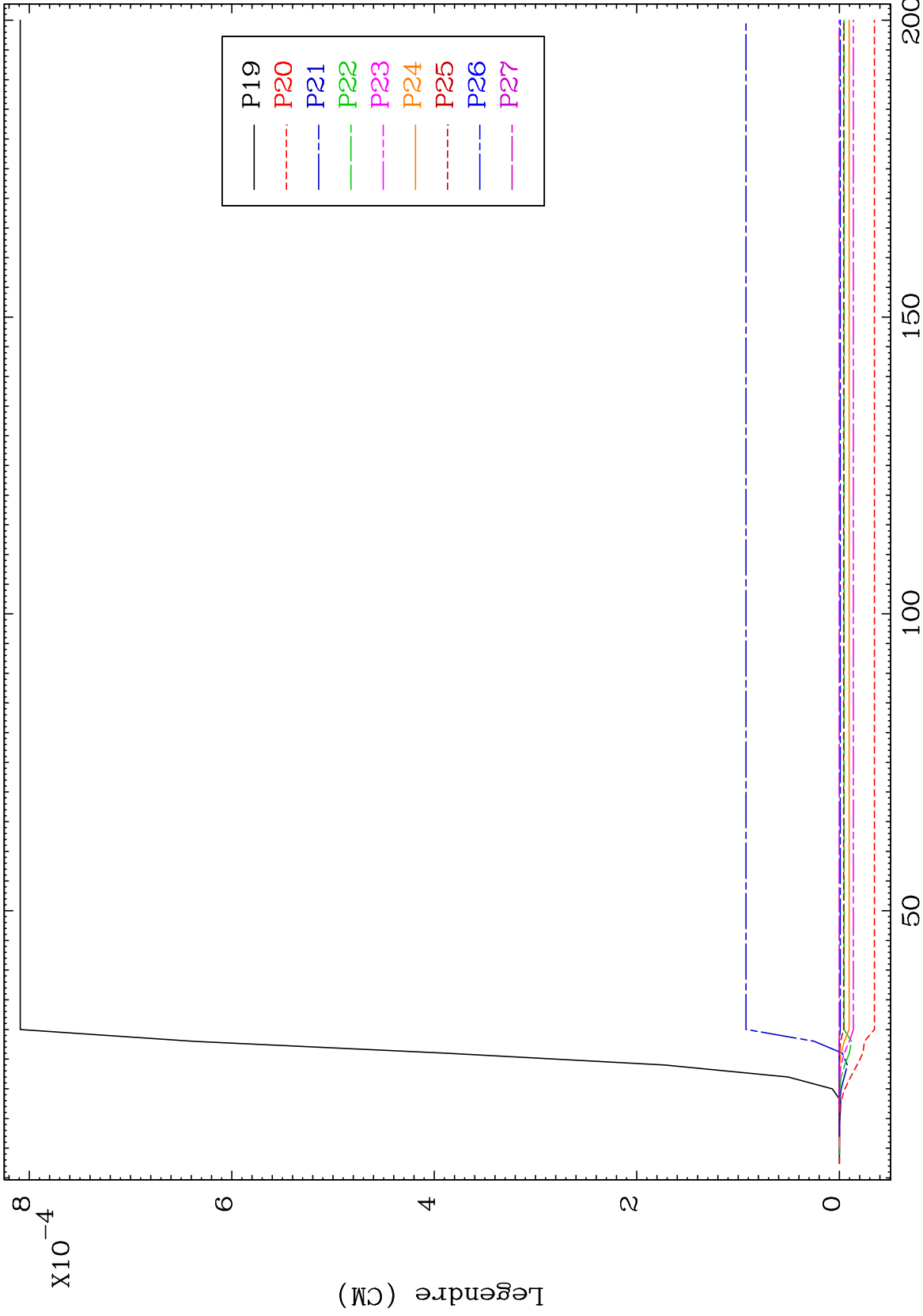
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



41

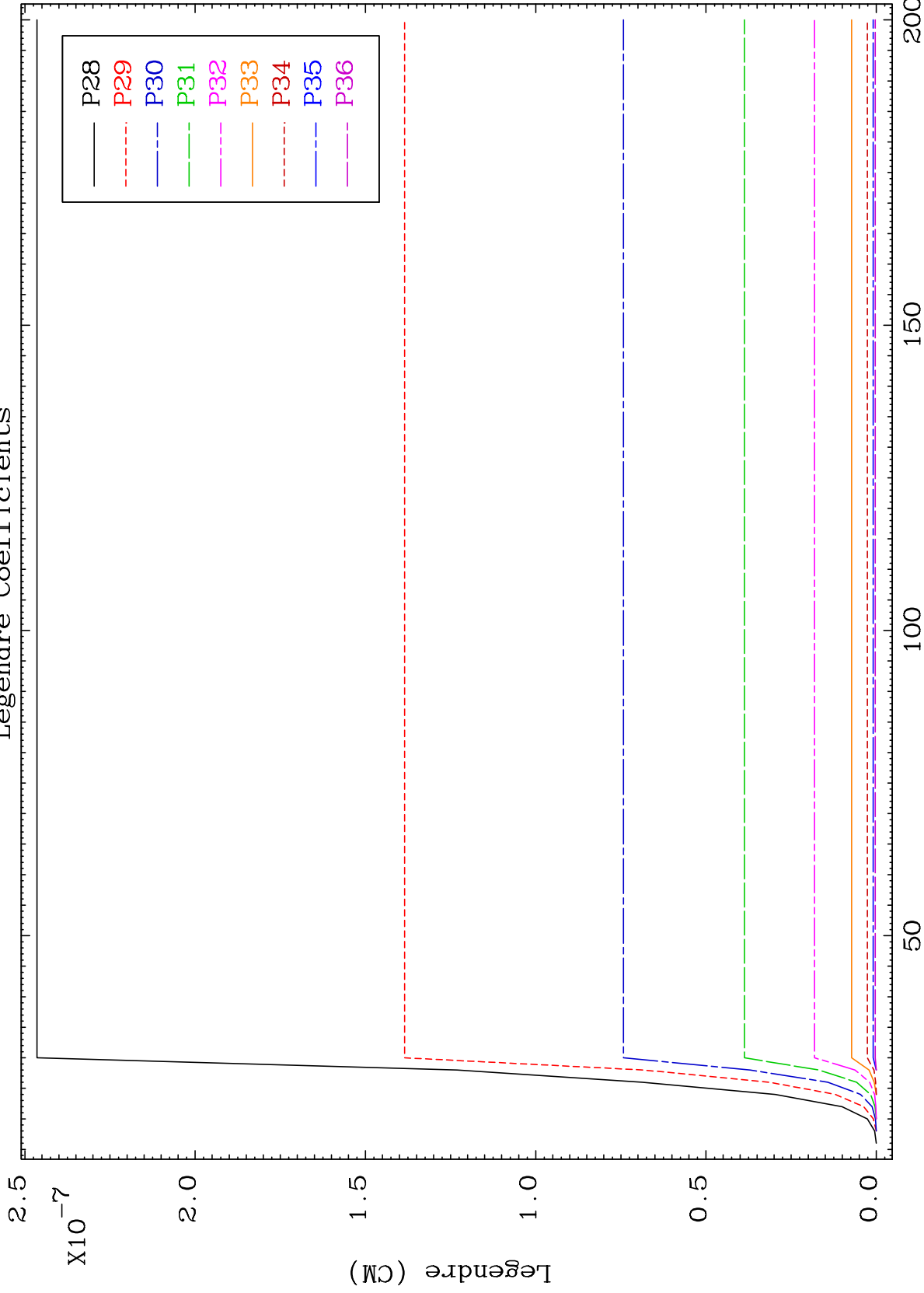
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



42

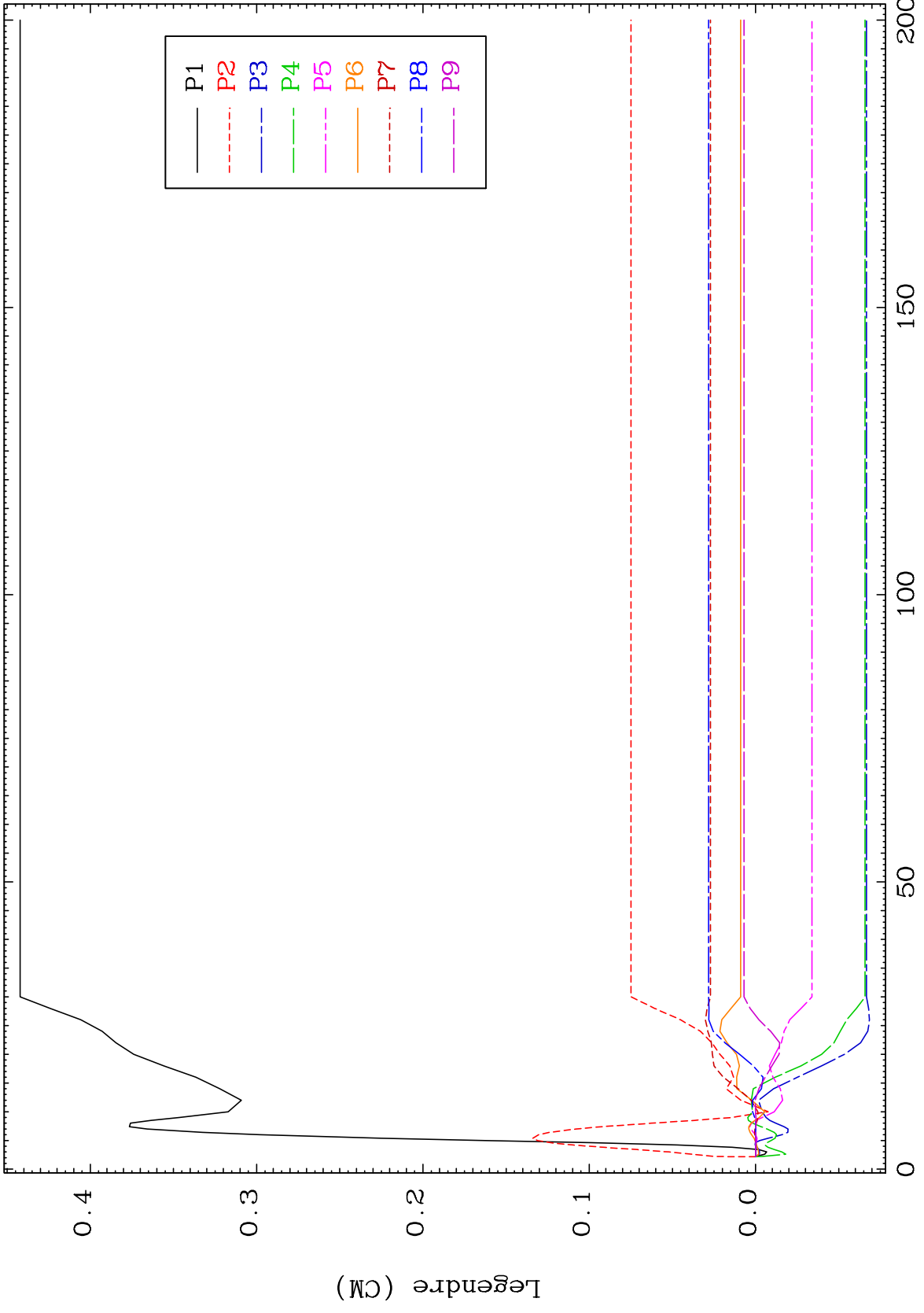
88-Ra-208

200

MAT 8780

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

88-Ra-208



43

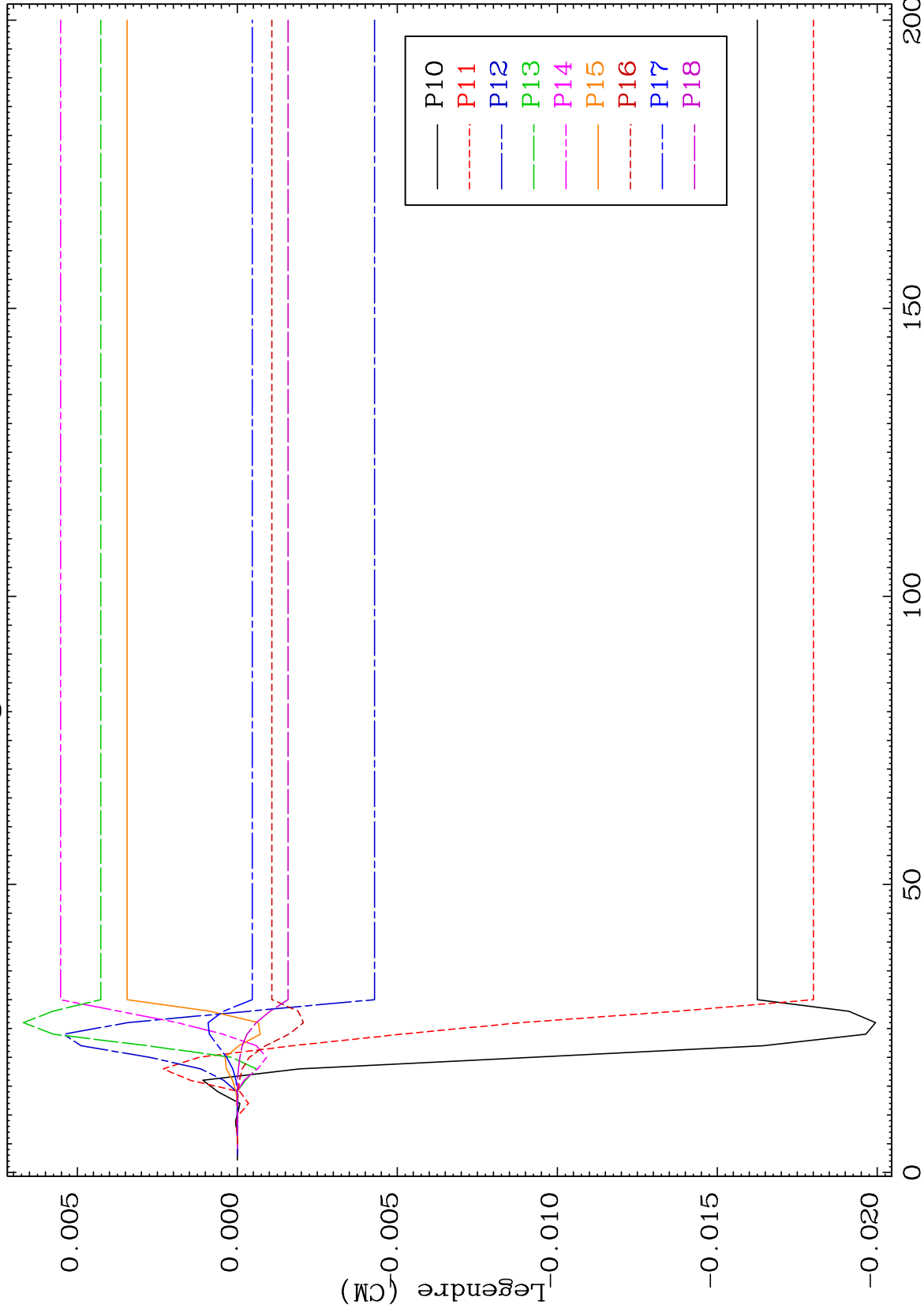
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



44

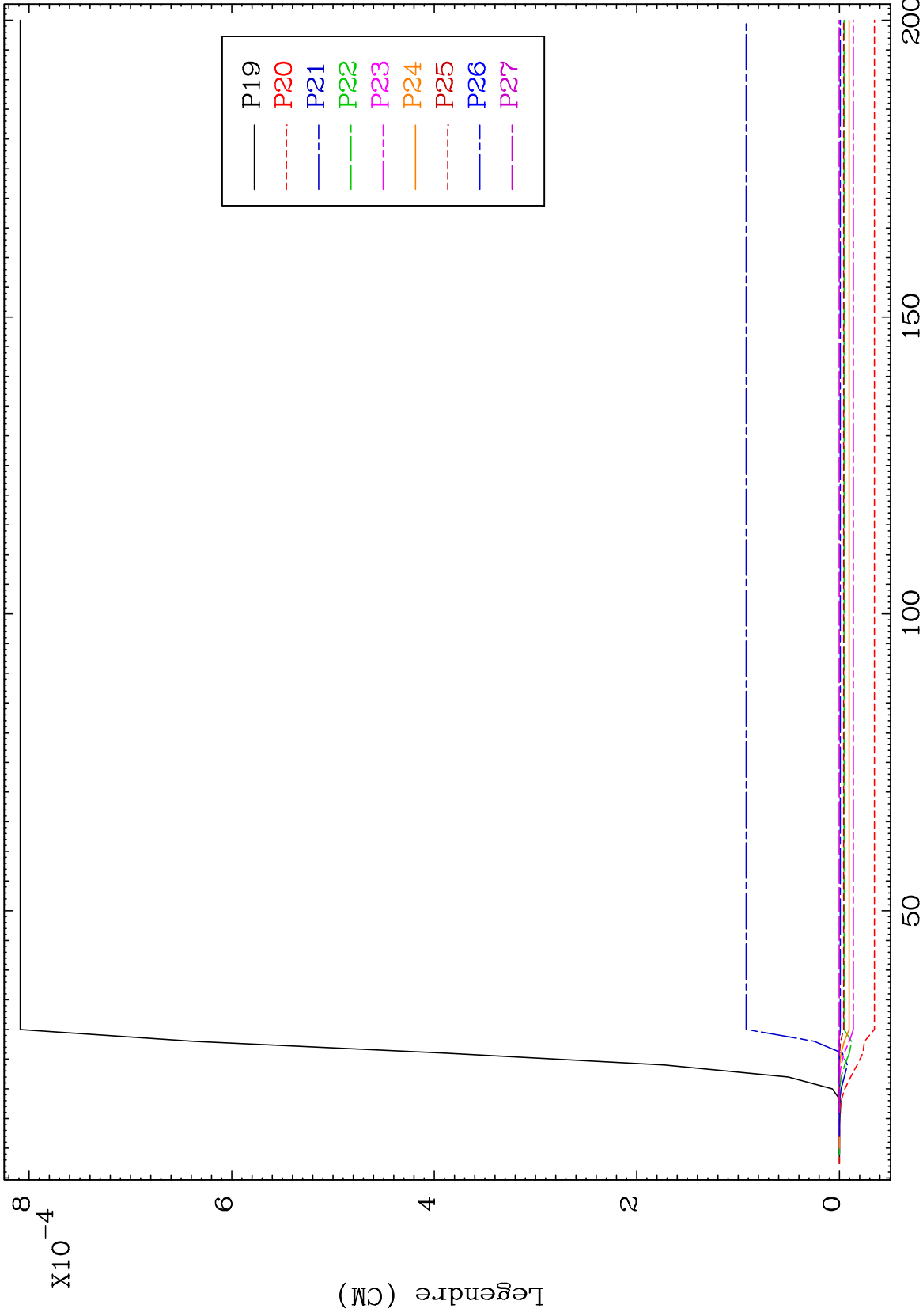
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



45

Incident Energy (MeV)

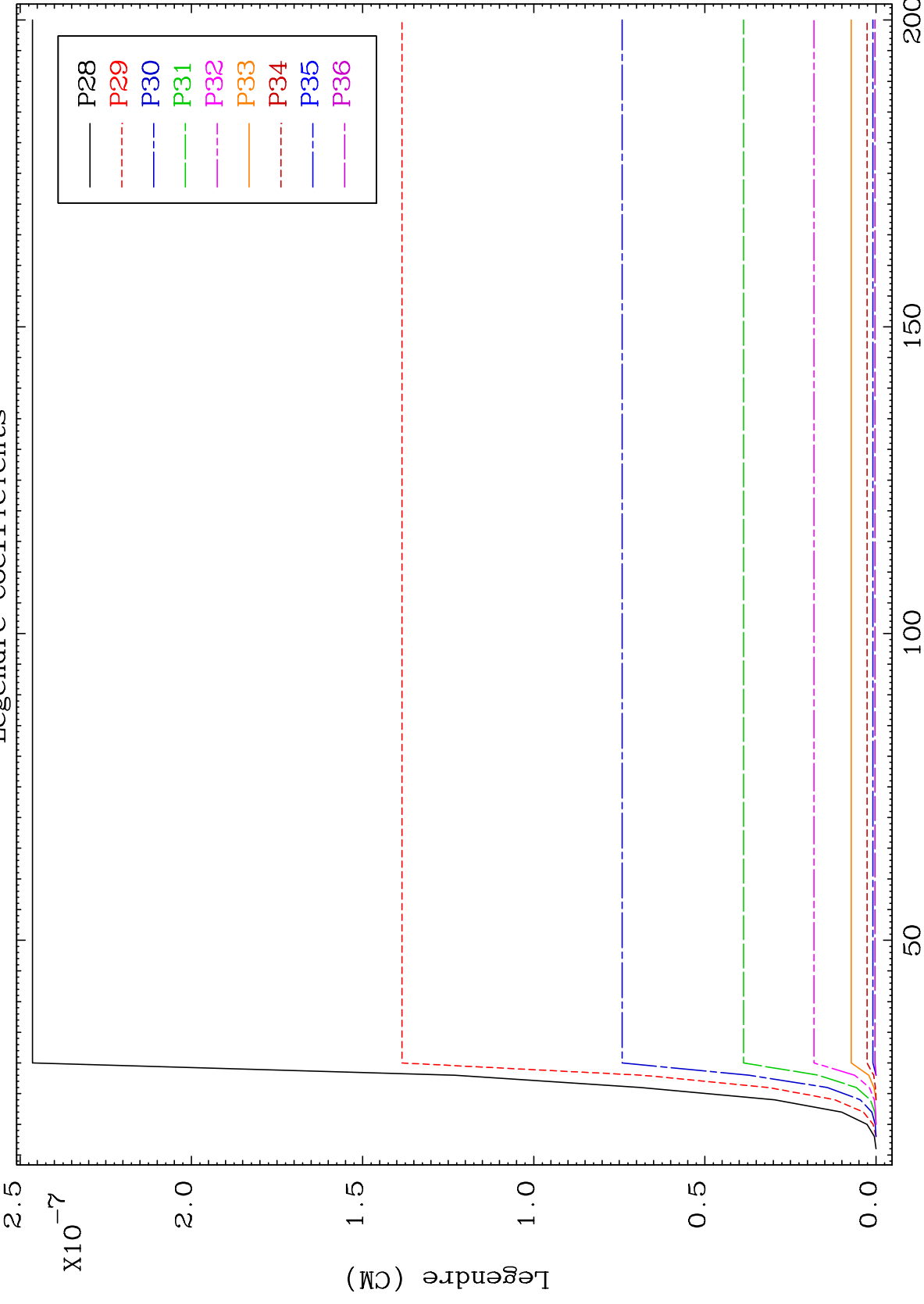
88-Ra-208

MAT 8780

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

88-Ra-208

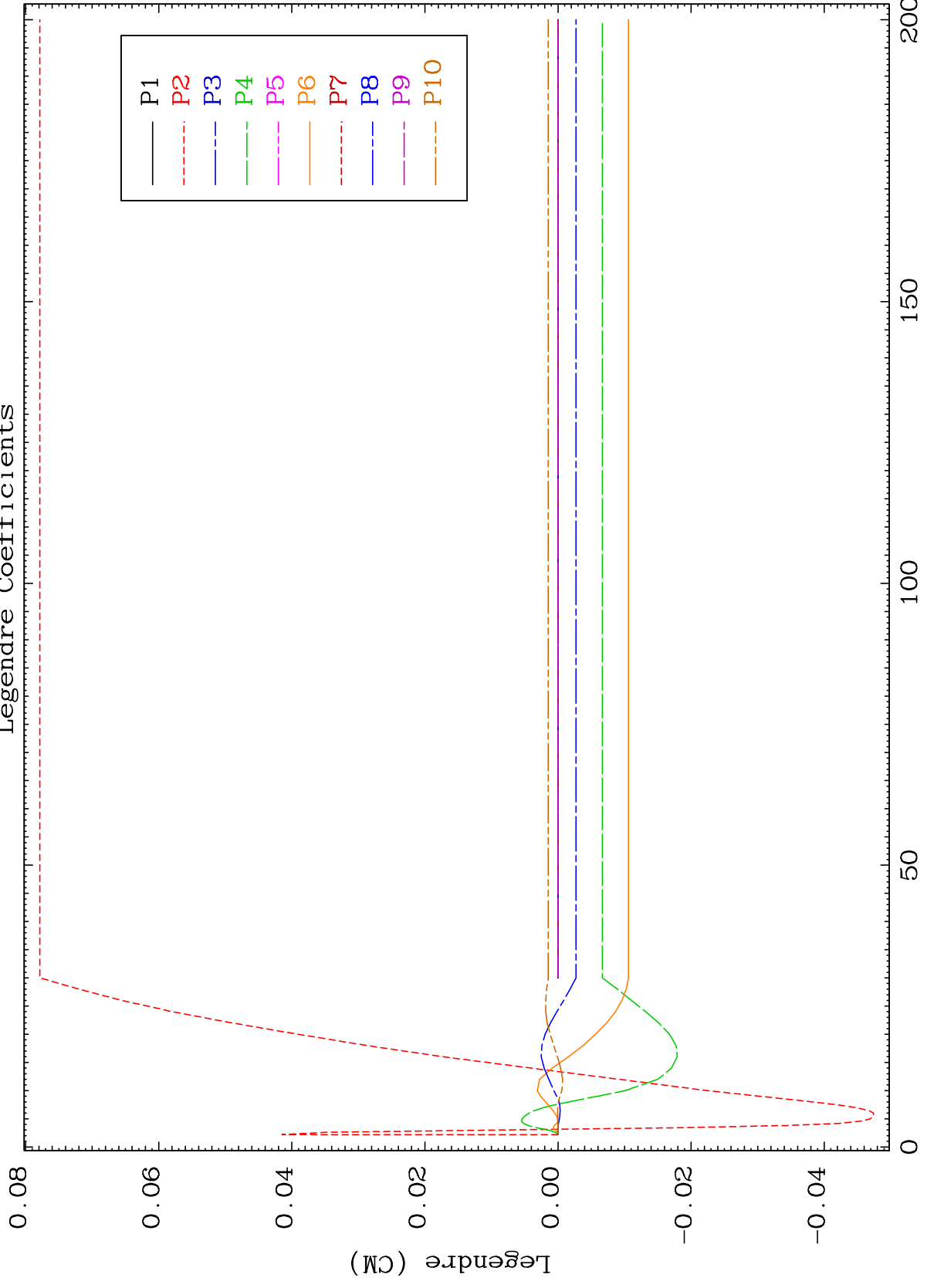
88-Ra-208



46

MAT 8780 MT= 58 (n,n') Level Legendre Coefficients

88-Ra-208

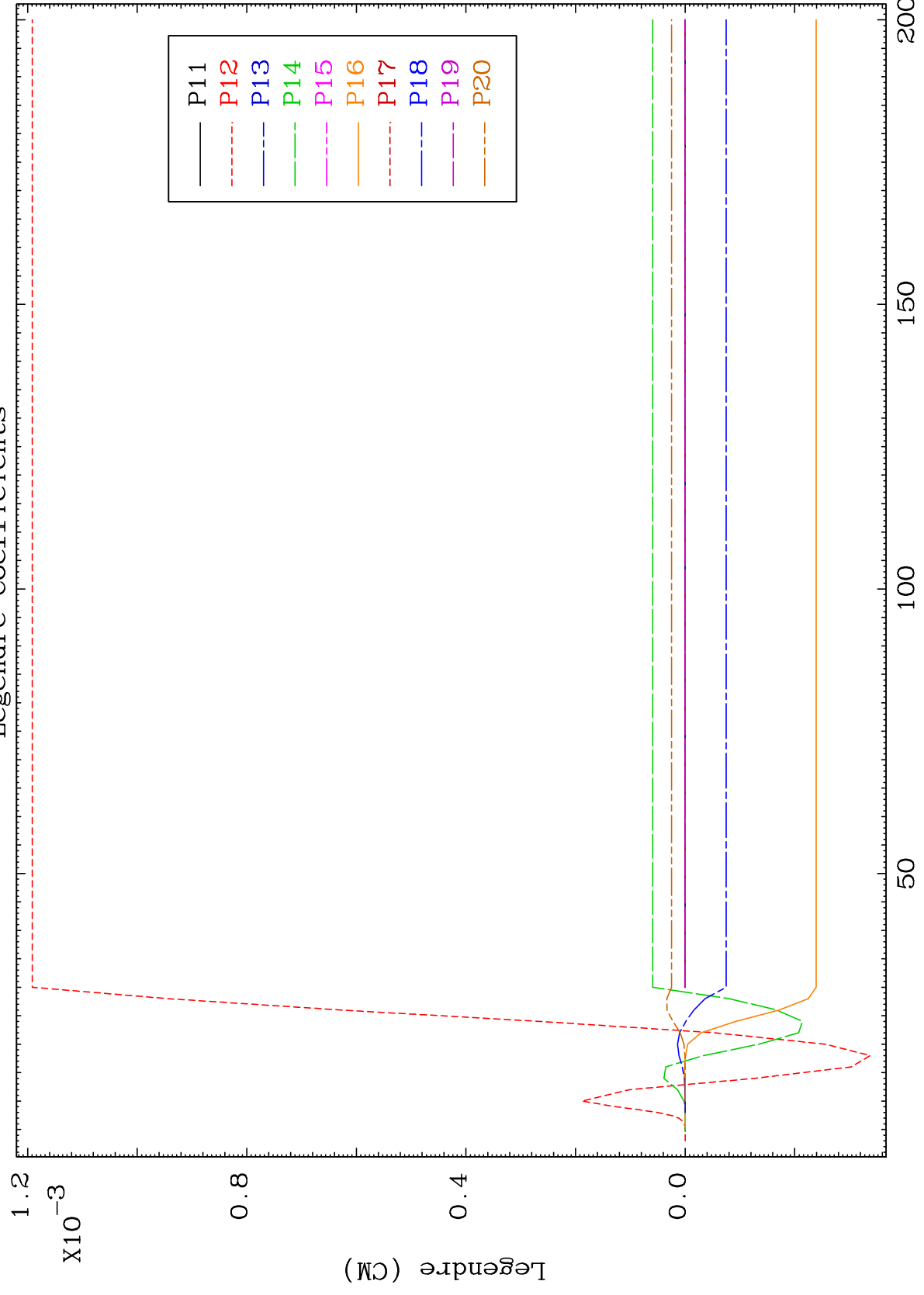


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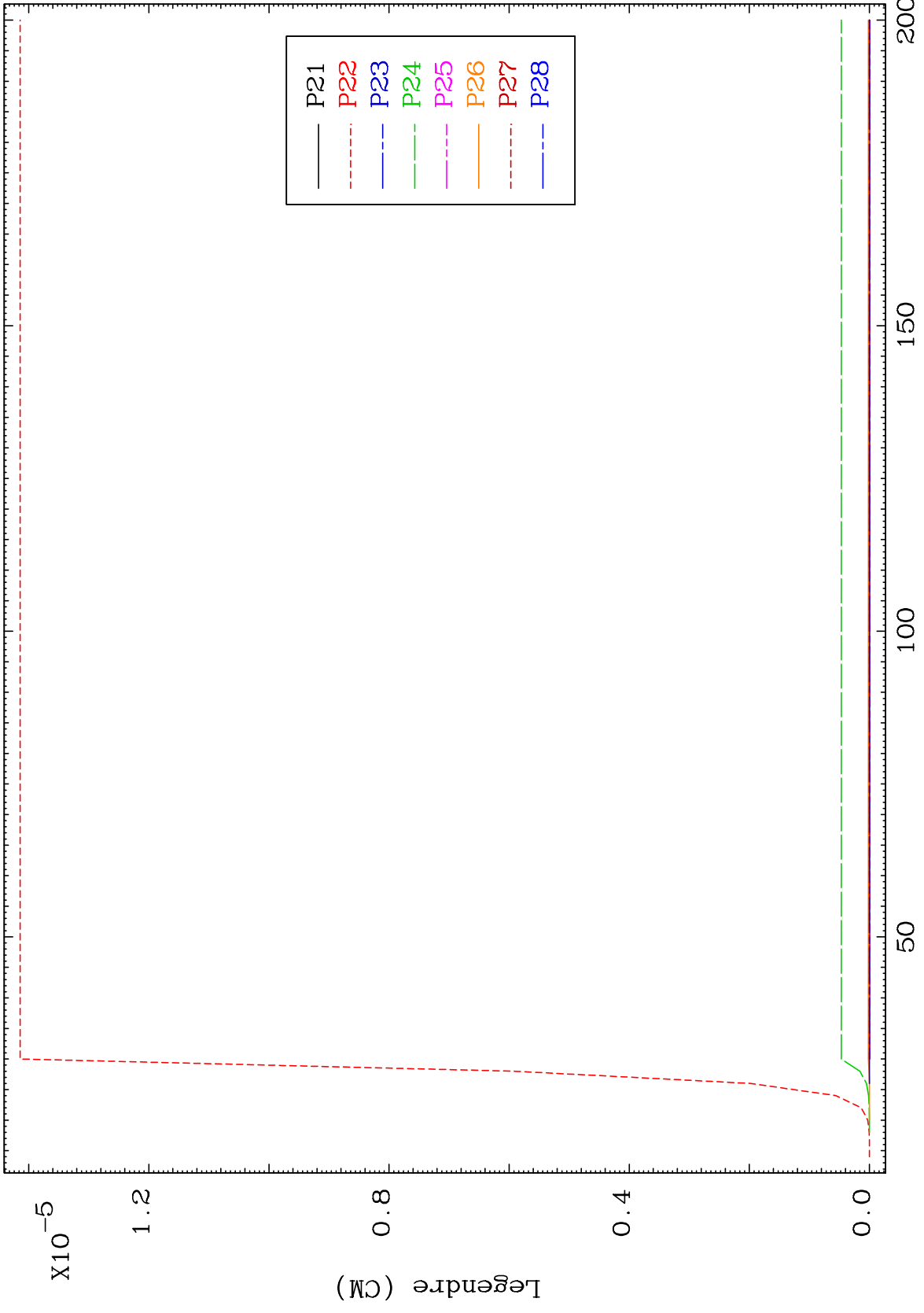
Incident Energy (MeV)

47

MAT 8780 MT= 58 (n,n') Level Legendre Coefficients 88-Ra-208

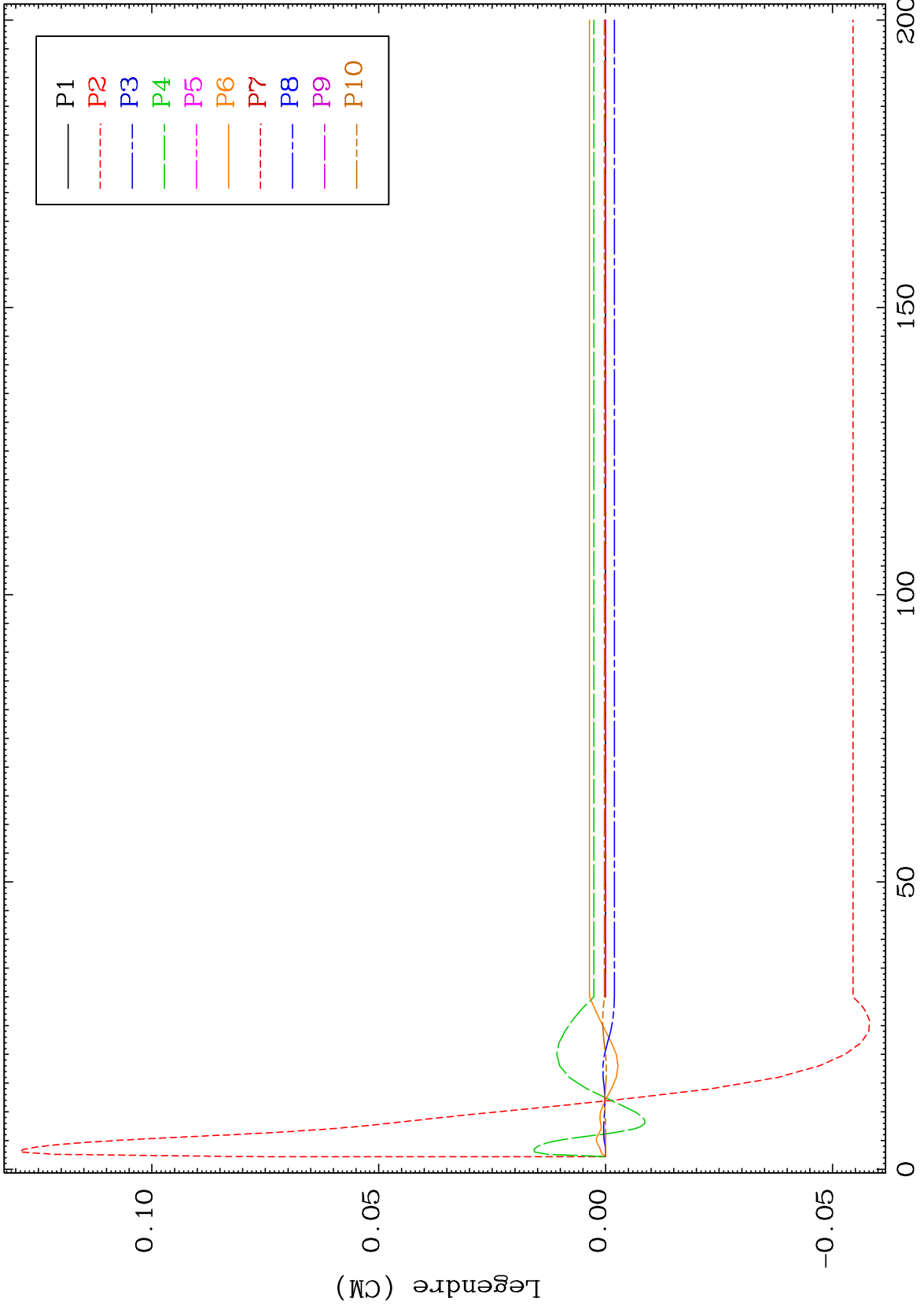


MAT 8780 MT= 58 (n,n') Level Legendre Coefficients 88-Ra-208



49 Incident Energy (MeV) 88-Ra-208

MAT 8780 MT= 59 (n,n') Level Legendre Coefficients 88-Ra-208

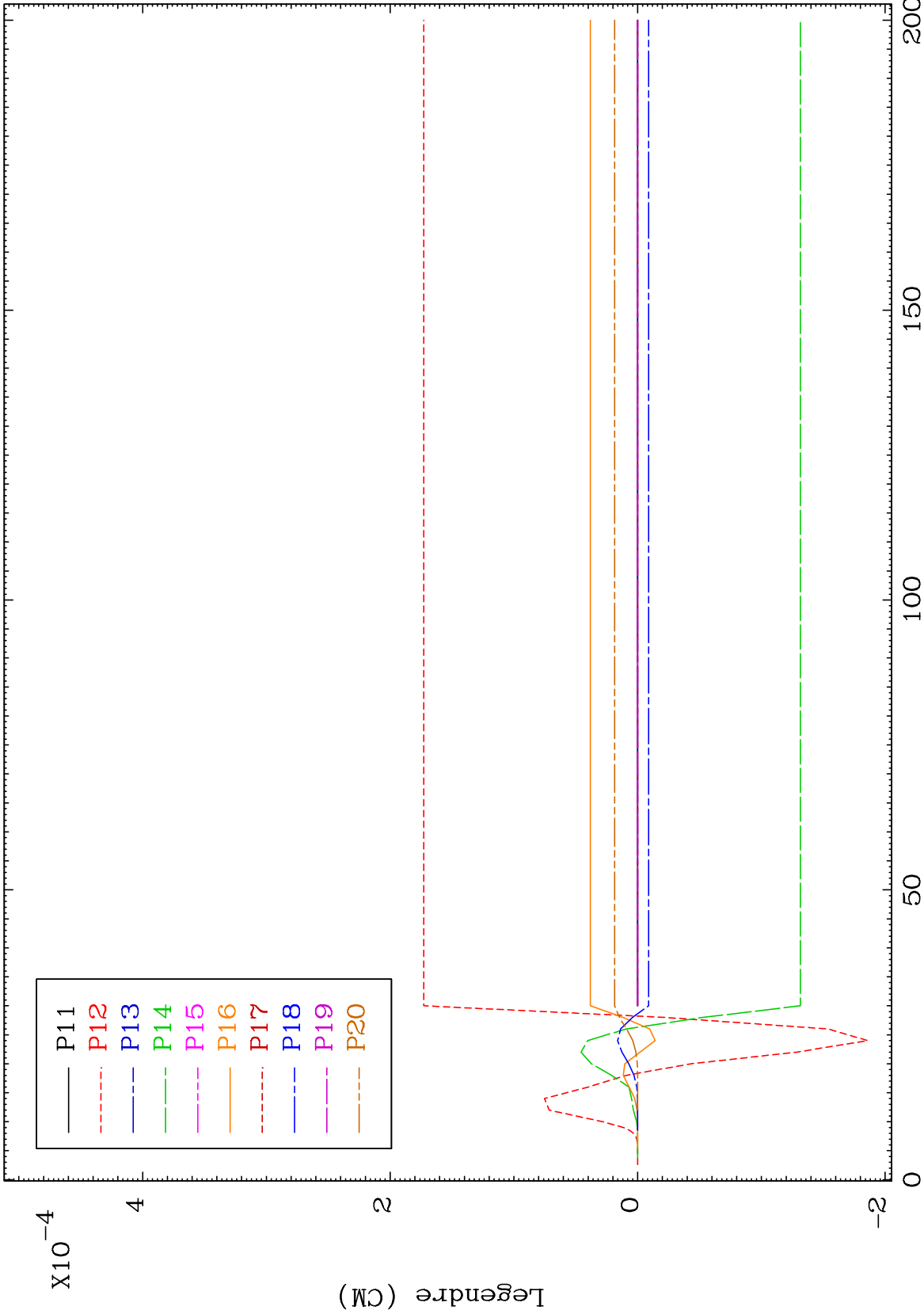


88-Ra-208

MAT 8780

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

88-Ra-208



51

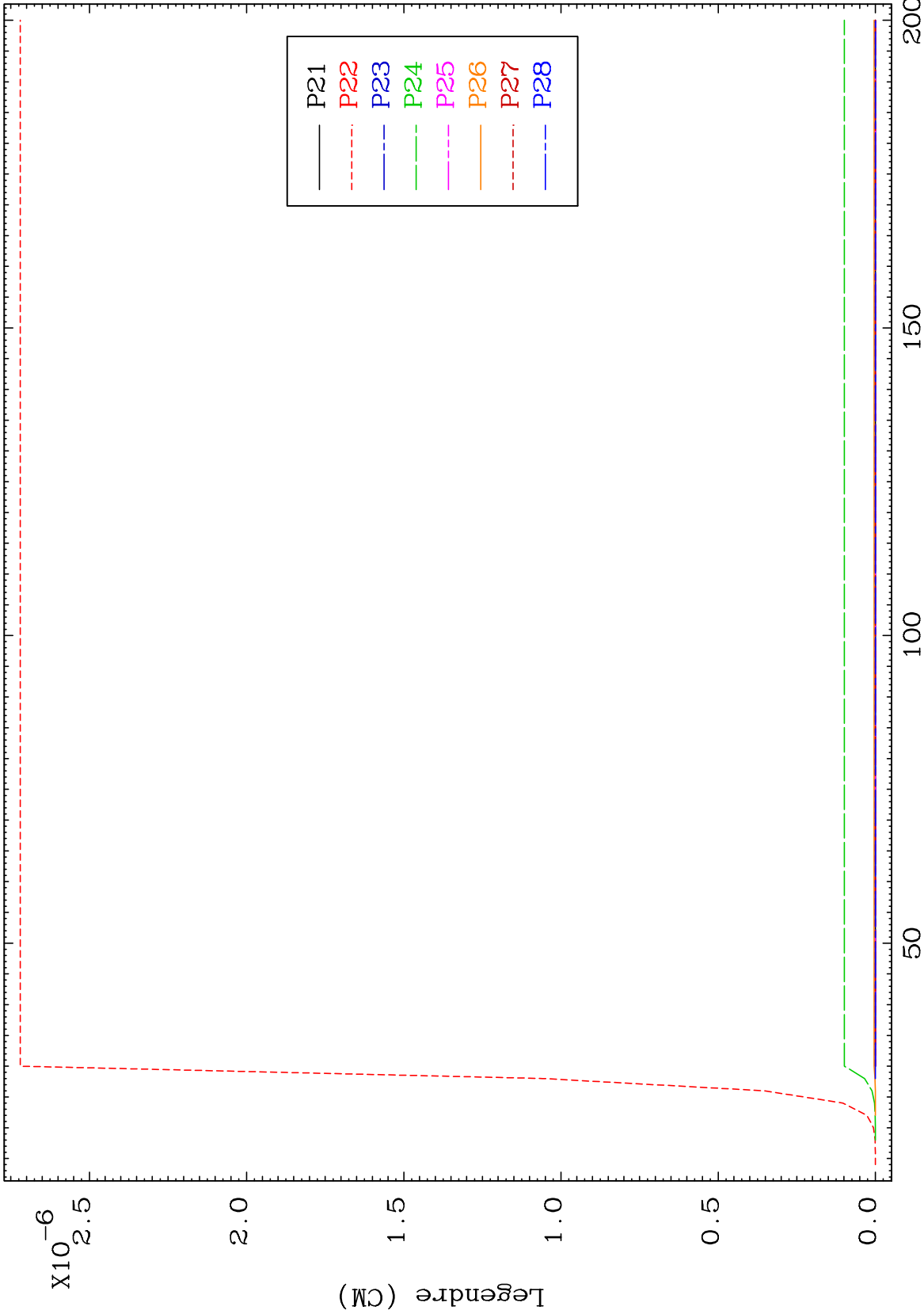
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



52

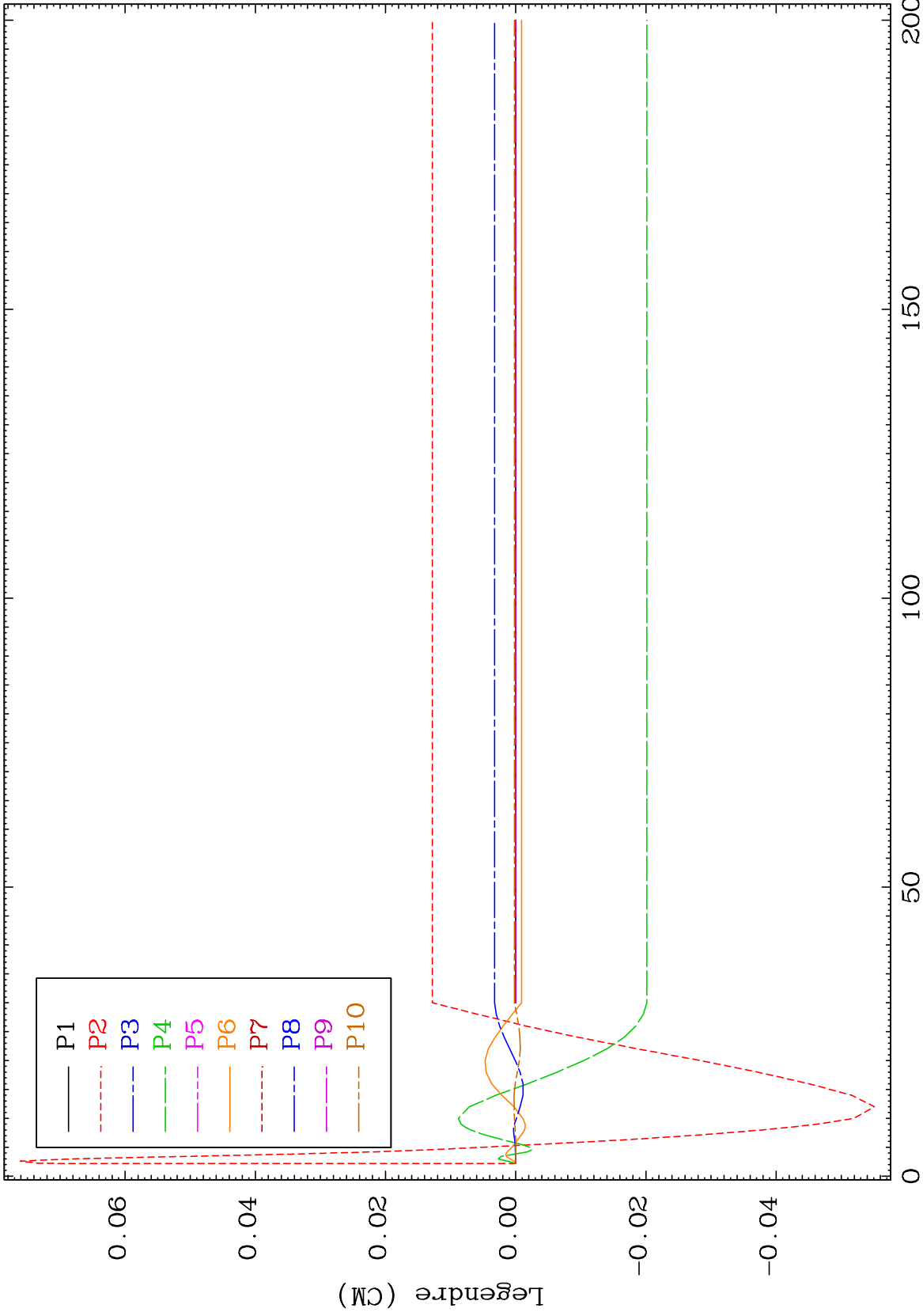
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



53

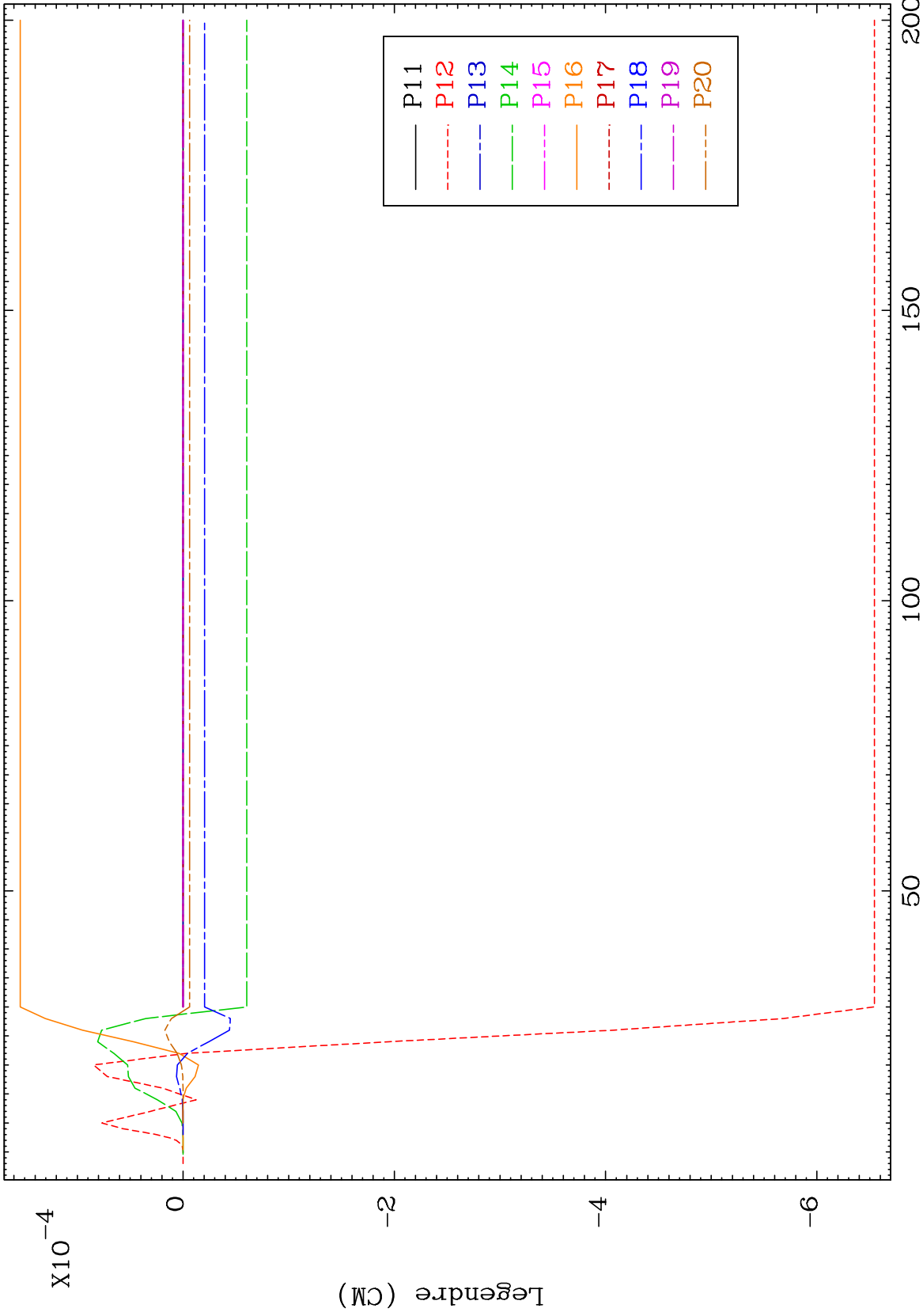
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



54

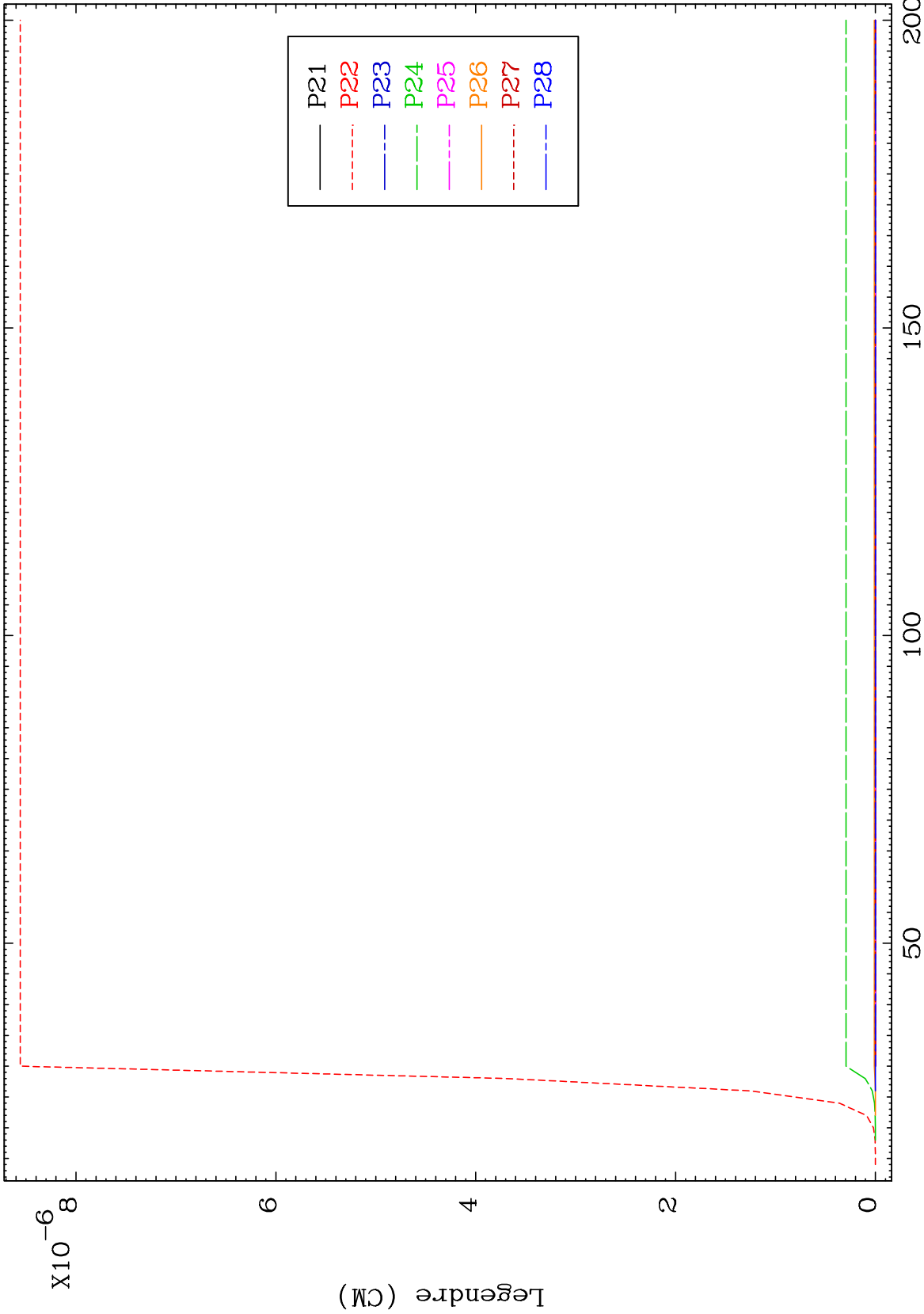
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208

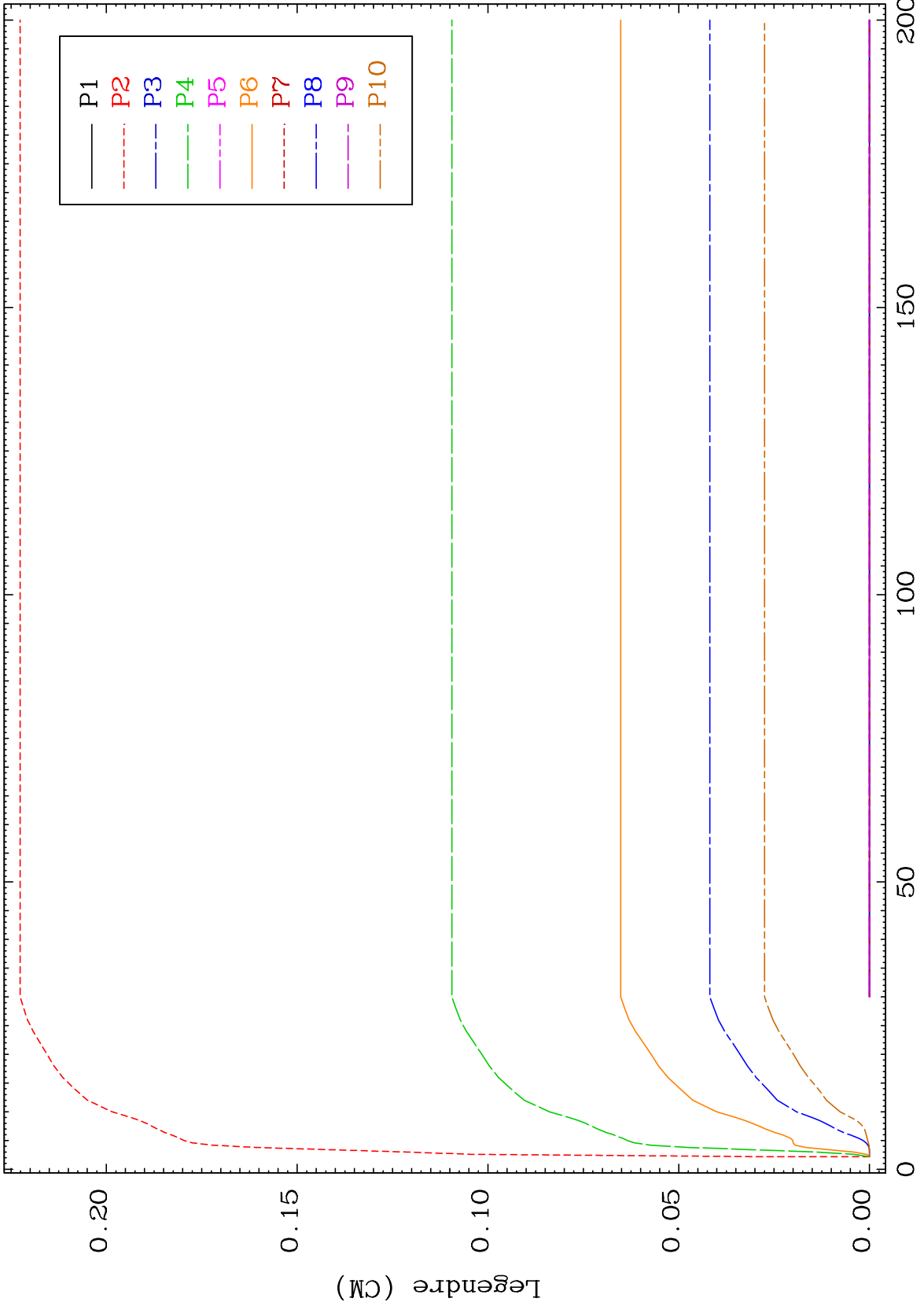


55

Incident Energy (MeV)

88-Ra-208

MAT 8780 MT= 61 (n,n') Level Legendre Coefficients 88-Ra-208

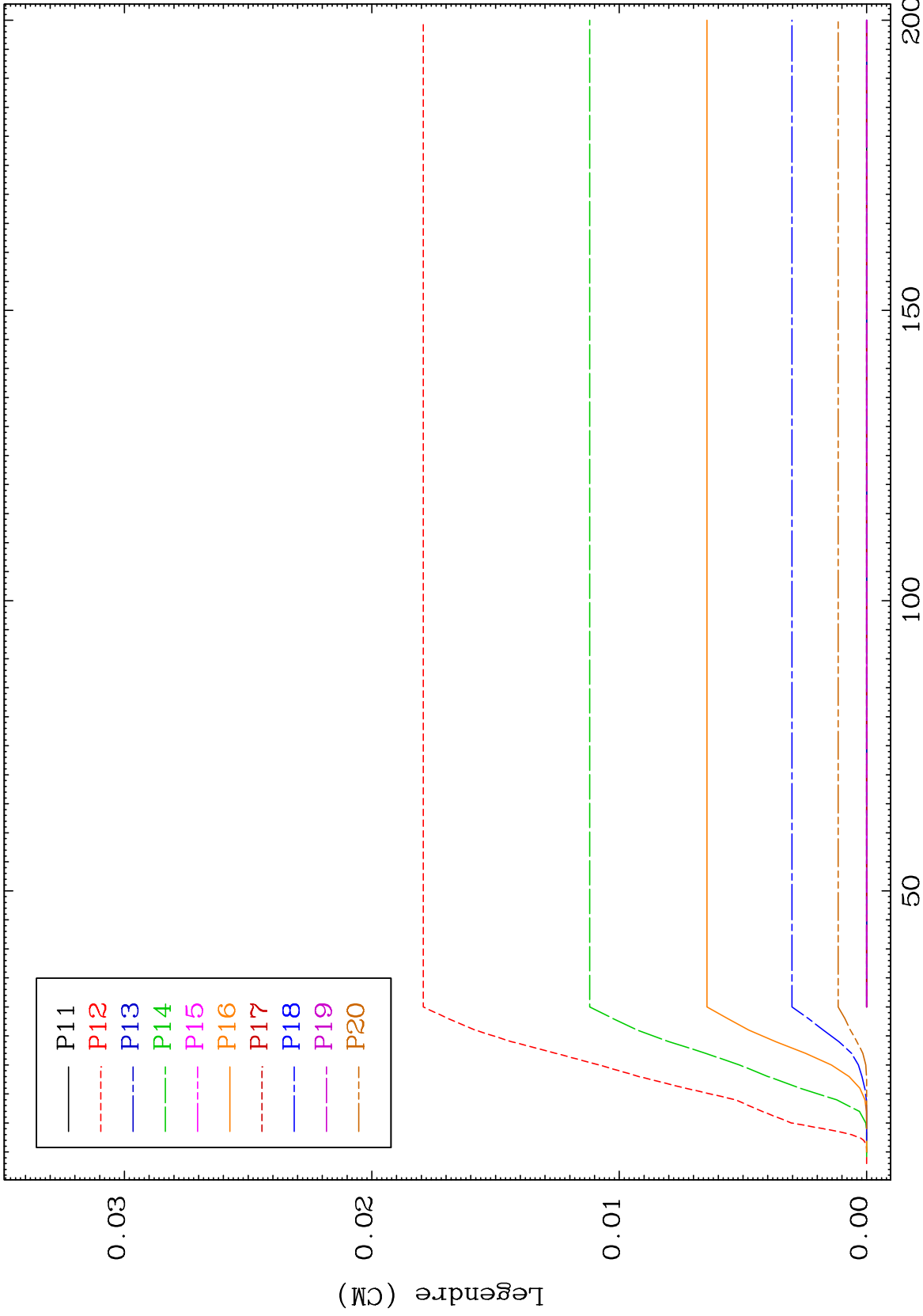


56 88-Ra-208

MAT 8780

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

88-Ra-208



57

Incident Energy (MeV)

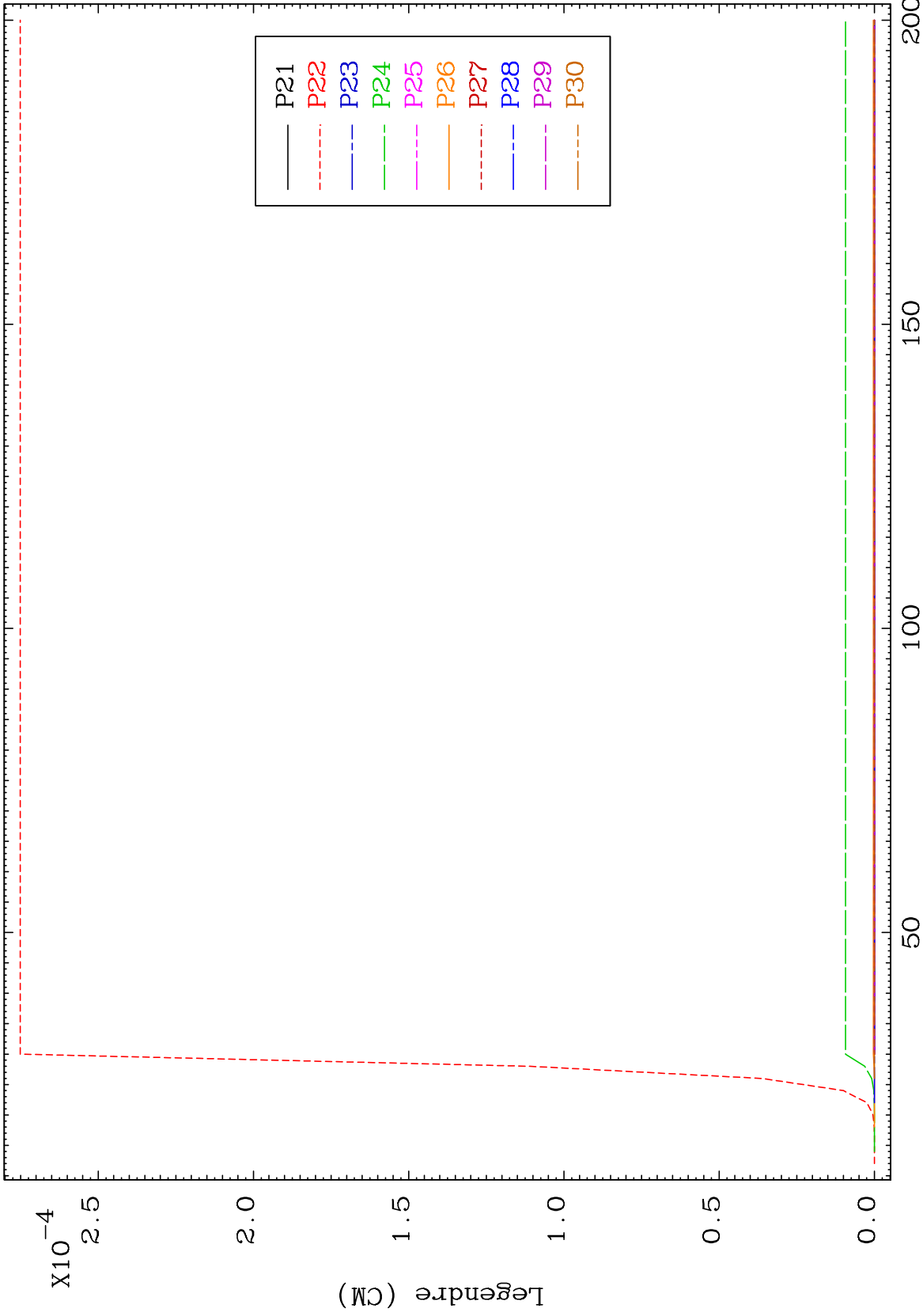
88-Ra-208

MAT 8780

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

88-Ra-208

88-Ra-208



58

50

100

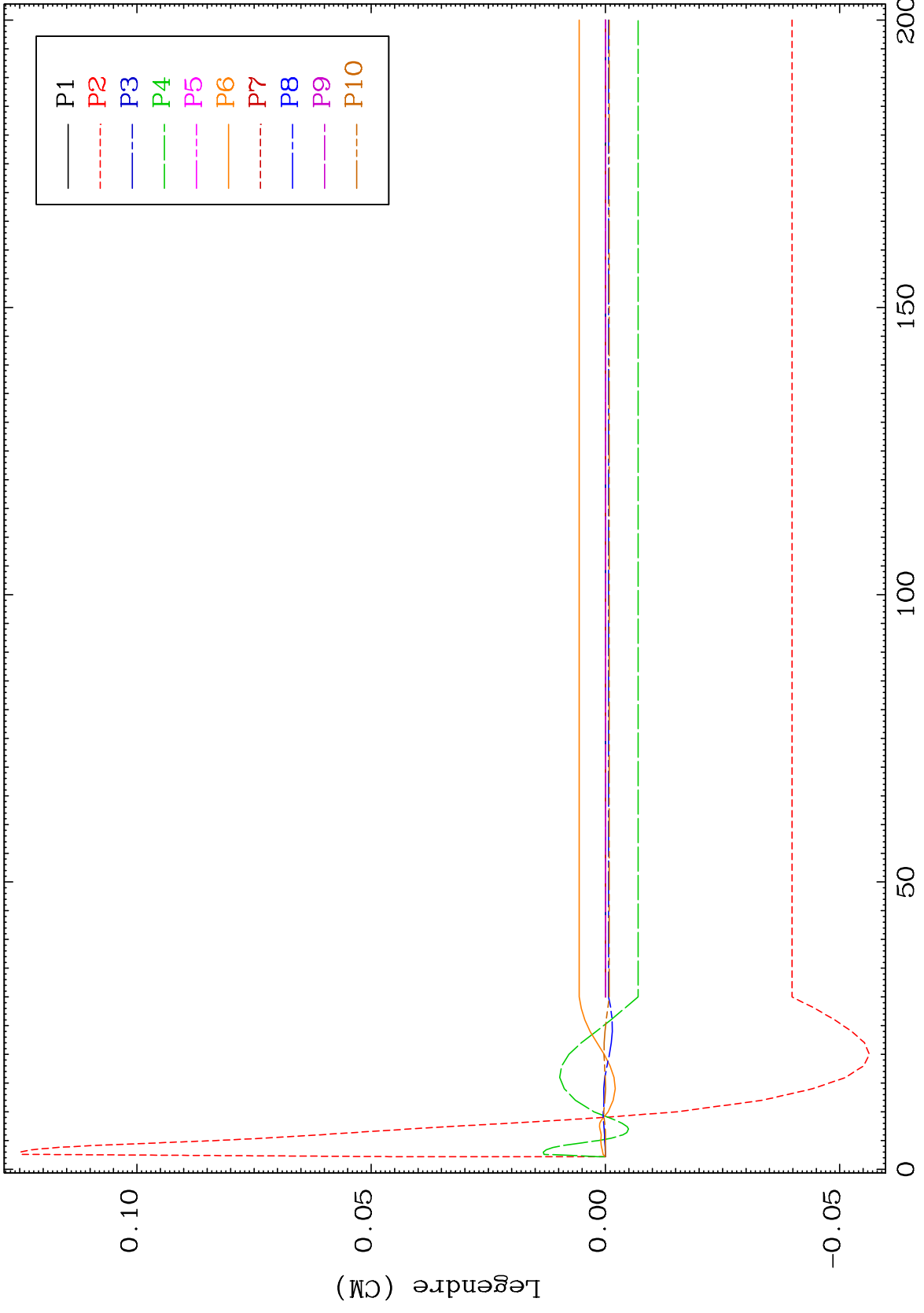
150

200

MAT 8780

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

88-Ra-208



59

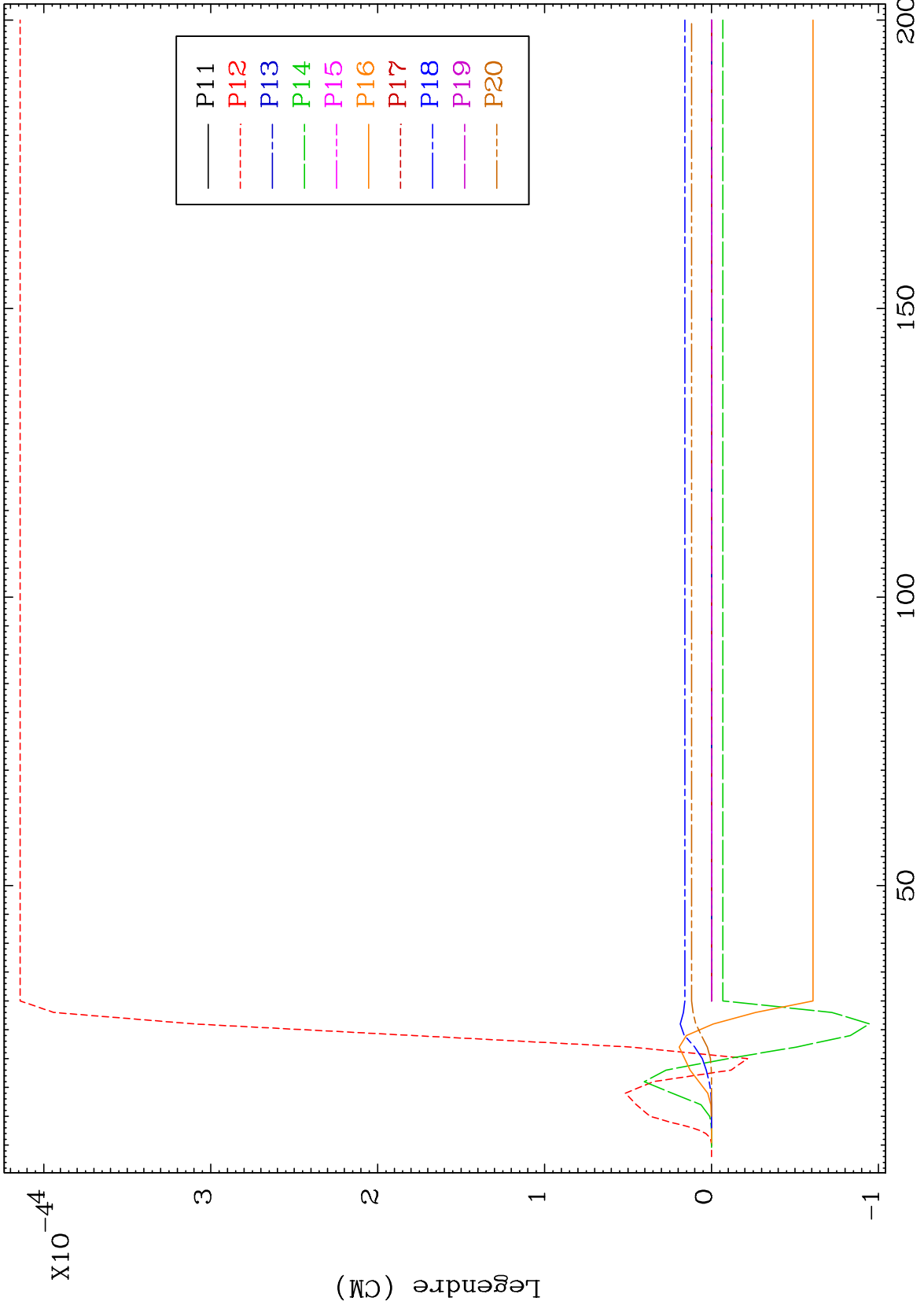
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



60

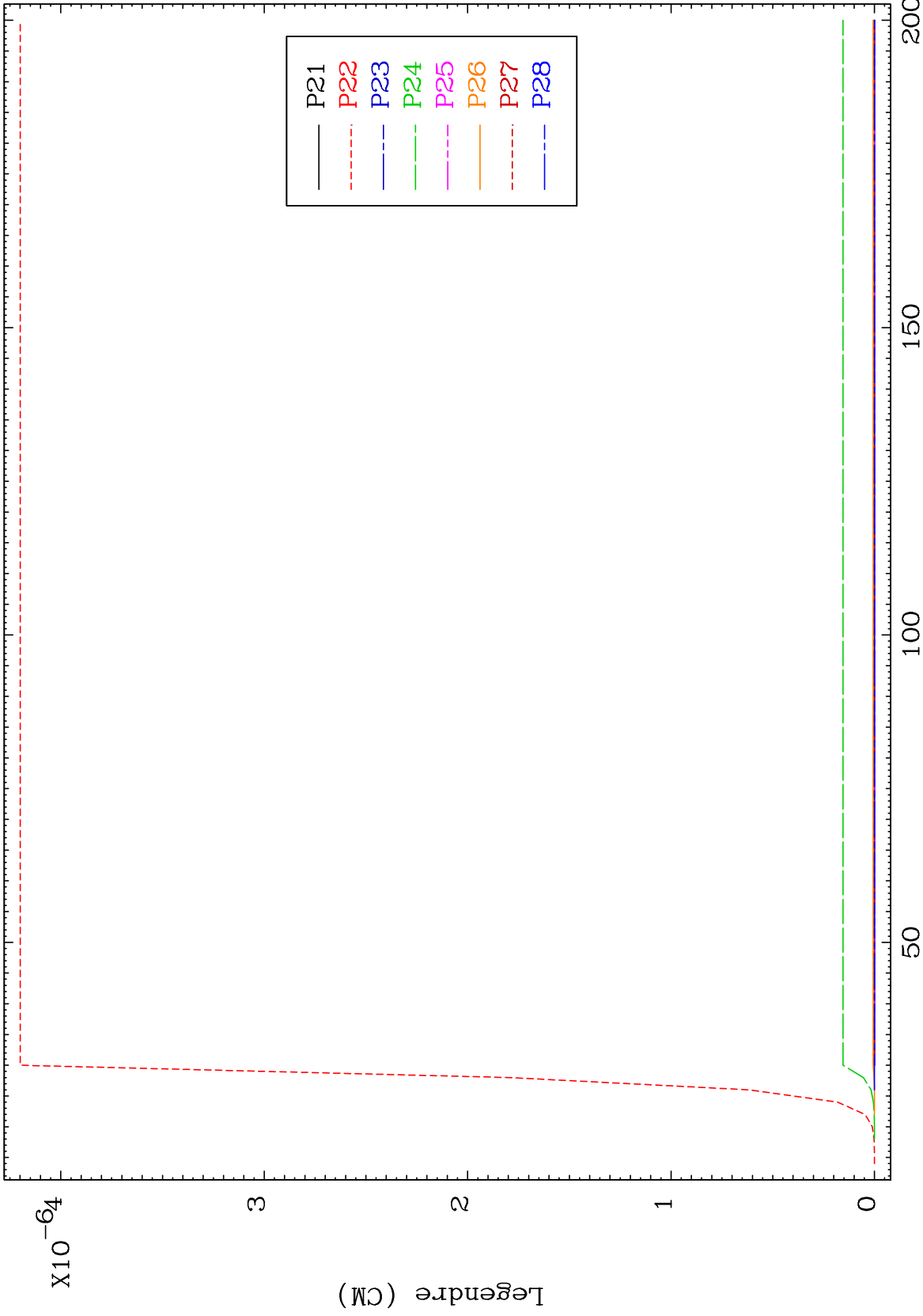
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



61

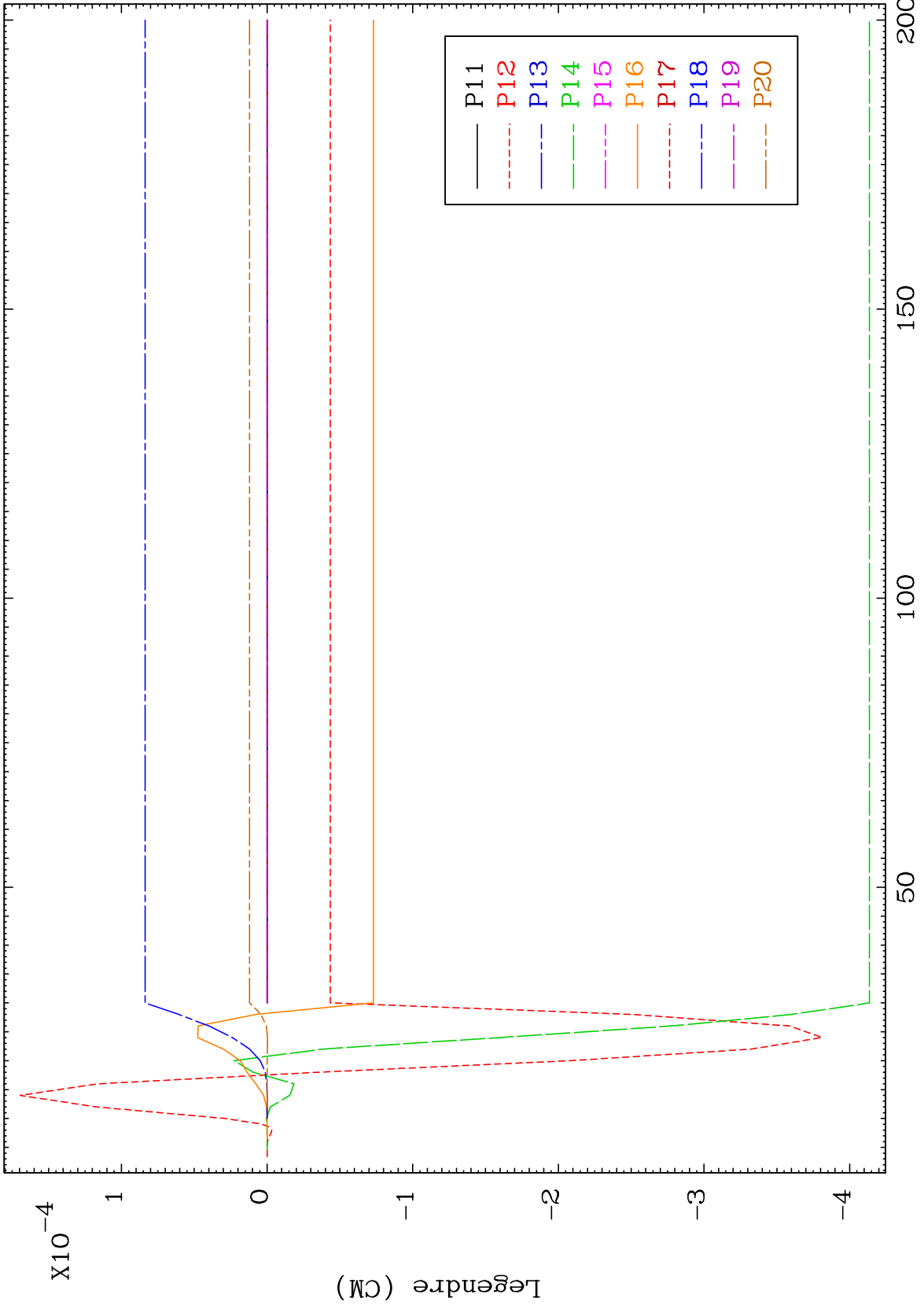
88-Ra-208

88-Ra-208

MAT 8780

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

88-Ra-208



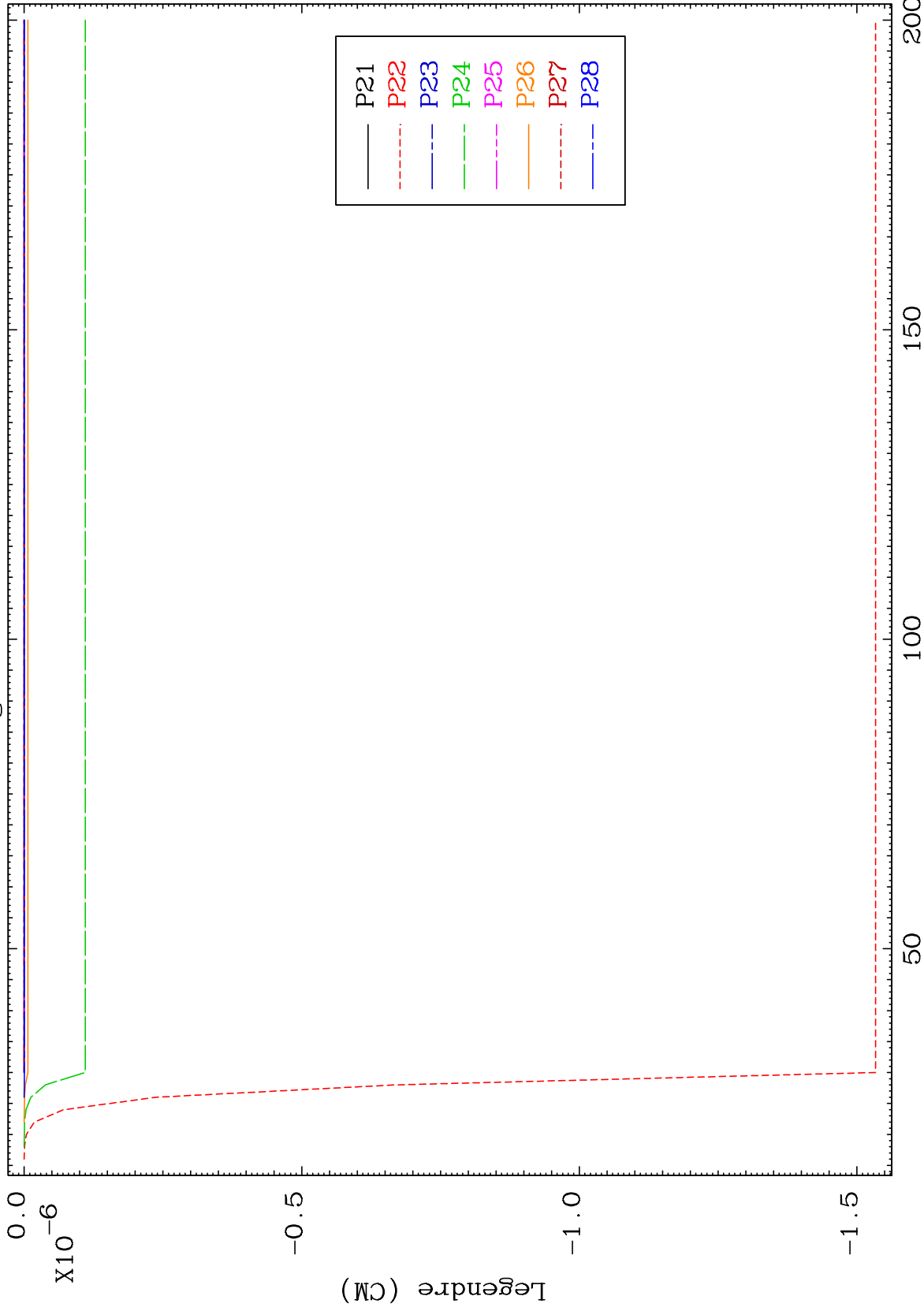
63

88-Ra-208

MAT 8780

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

88-Ra-208



64

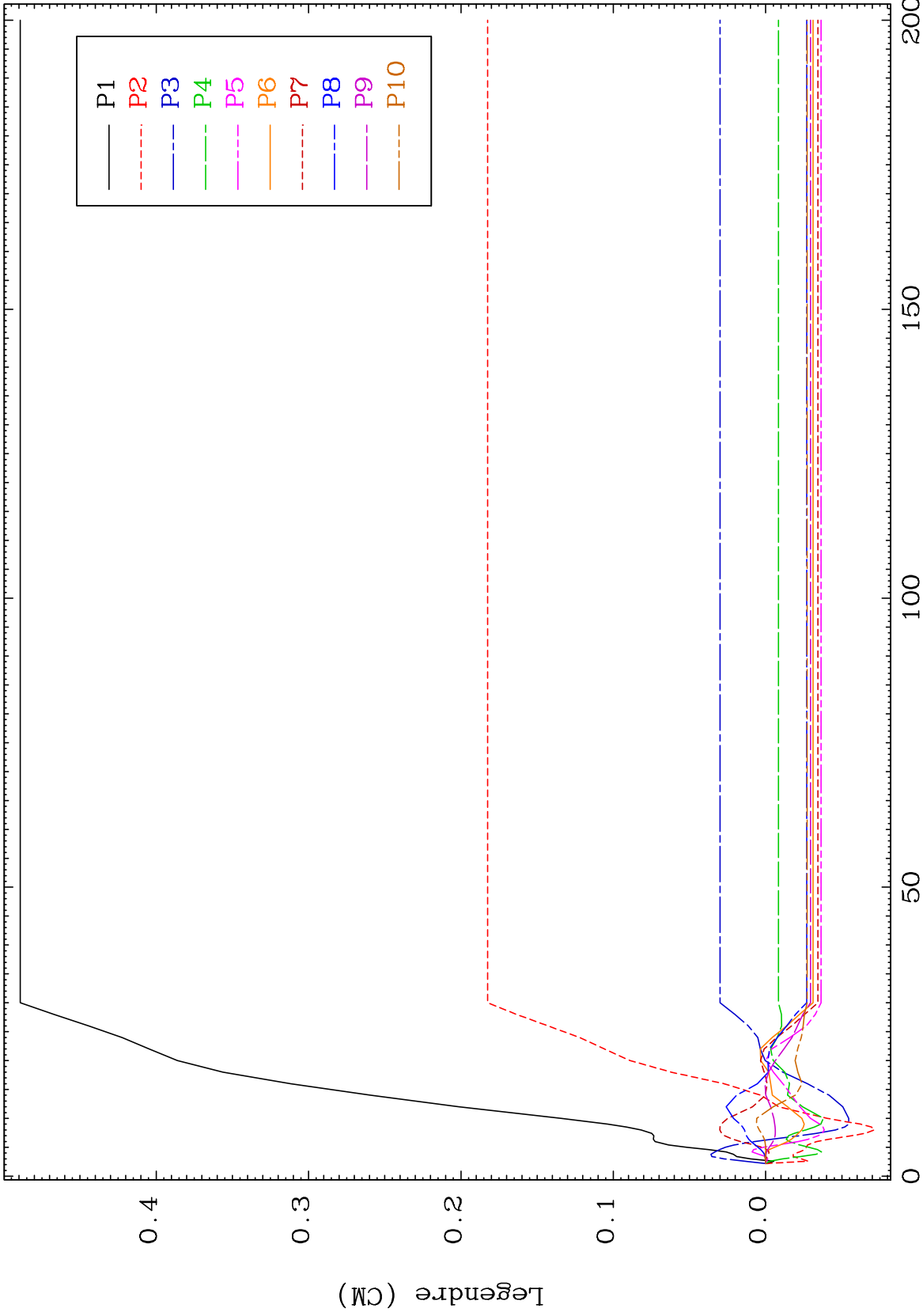
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



65

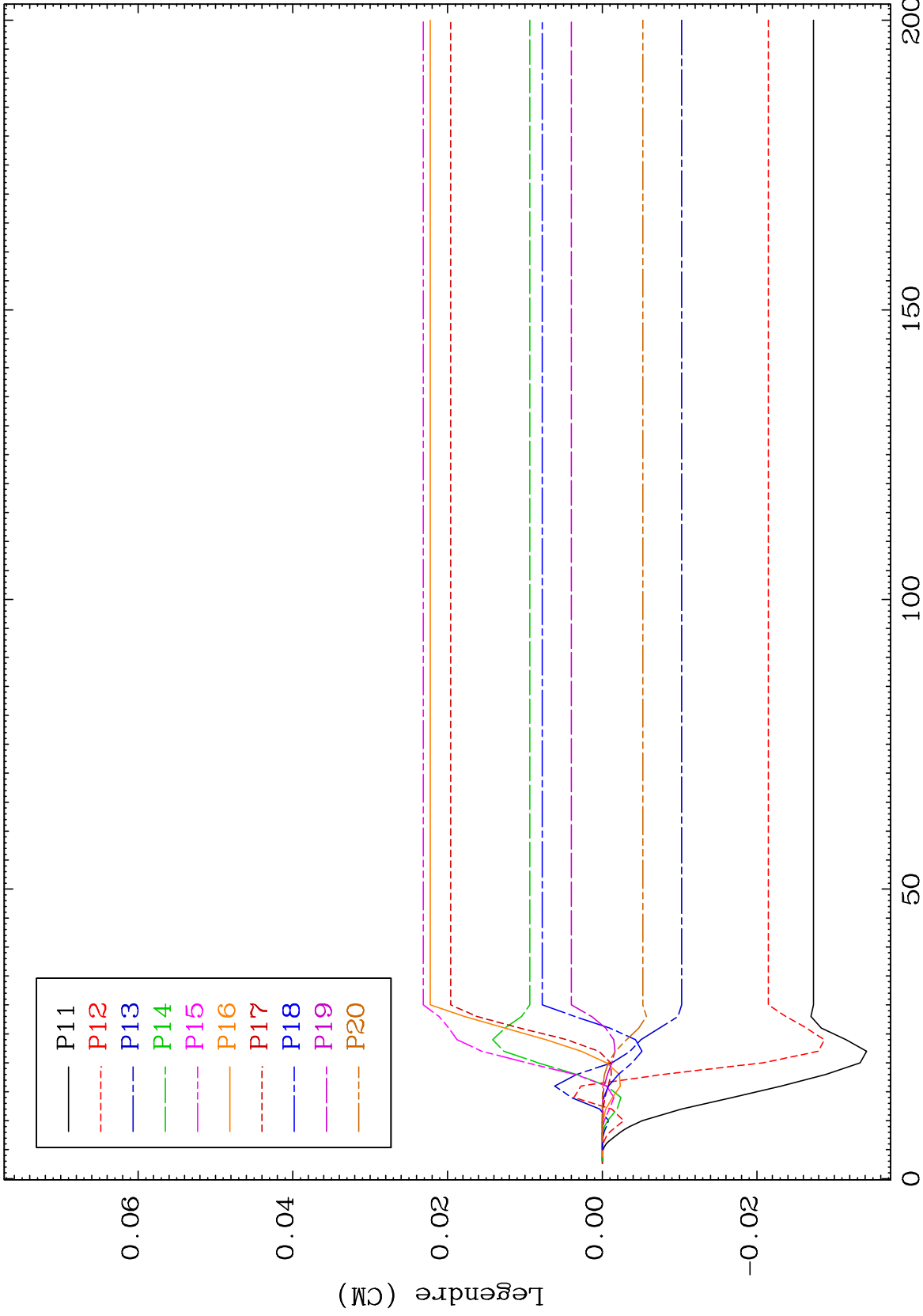
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



66

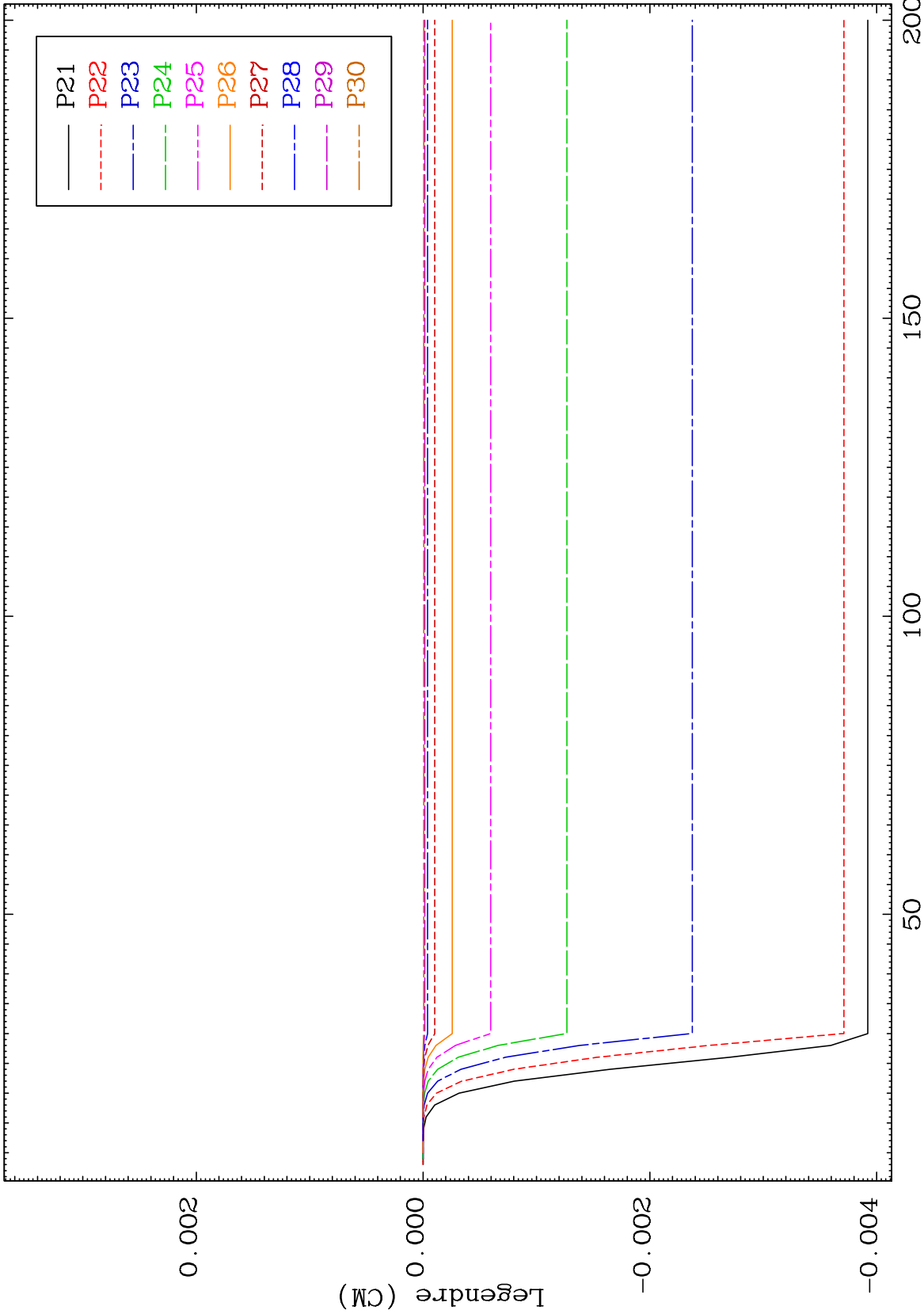
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



67

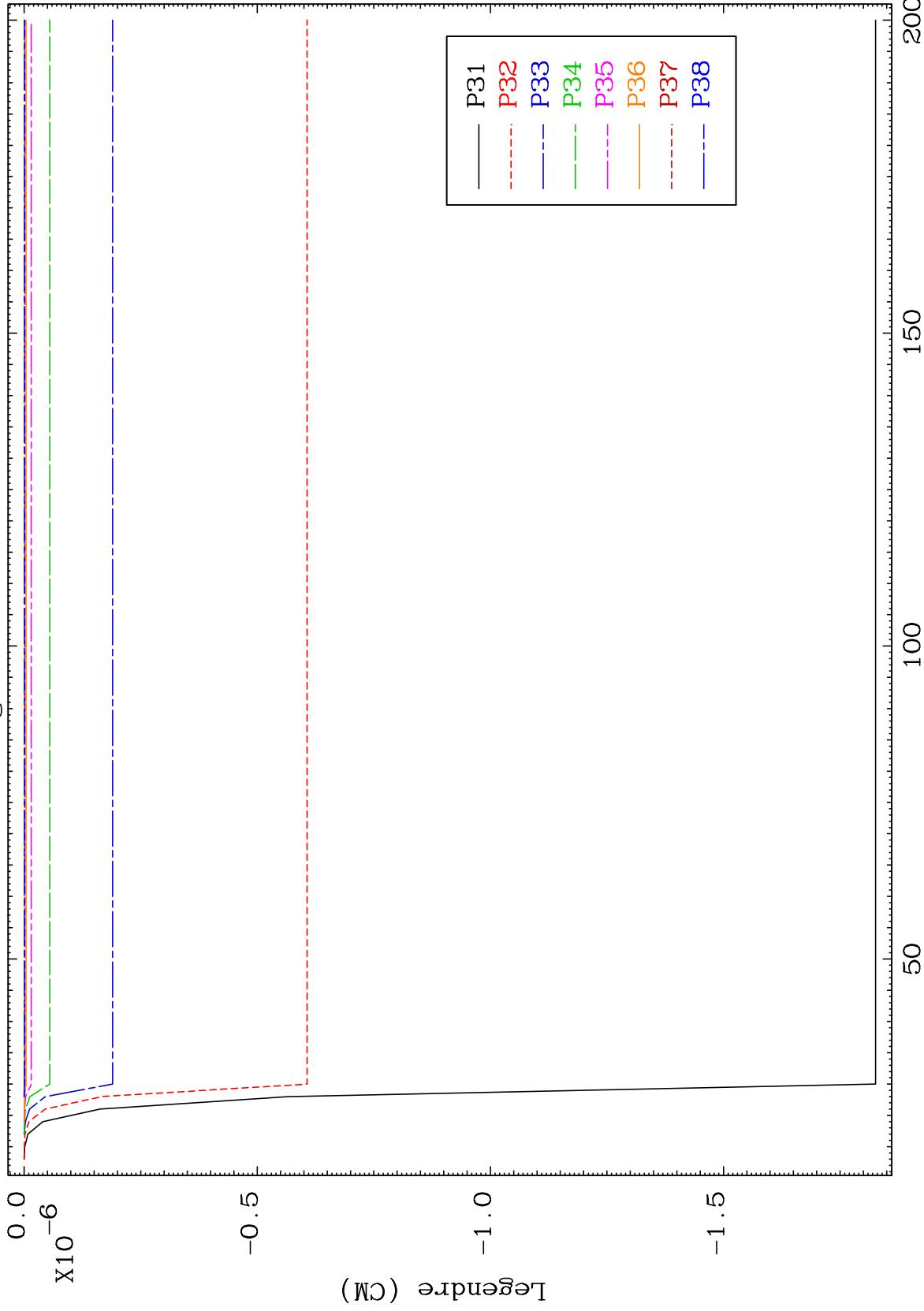
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208



88-Ra-208

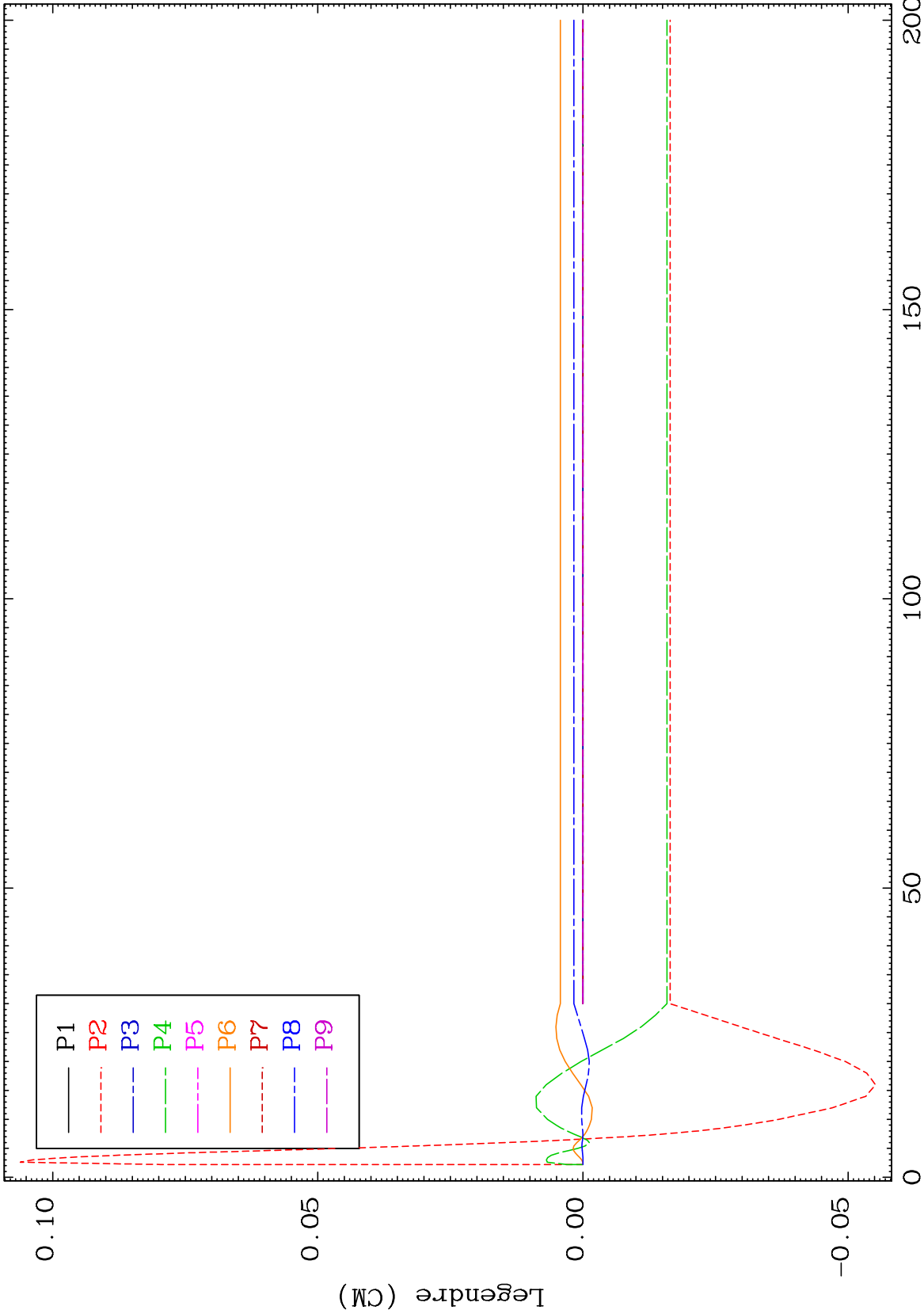
Incident Energy (MeV)

68

MAT 8780

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

88-Ra-208



69

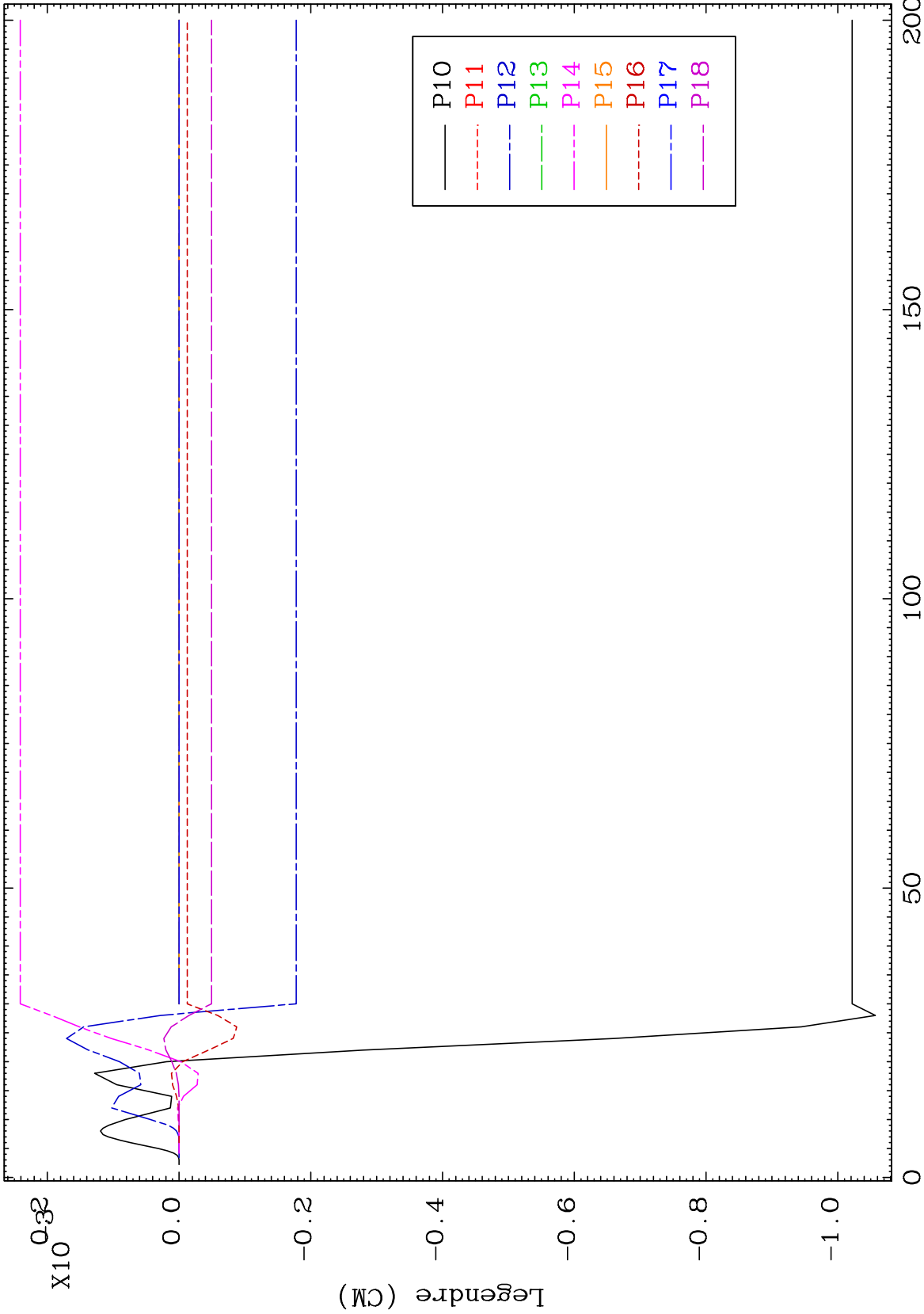
Incident Energy (MeV)

88-Ra-208

MAT 8780

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

88-Ra-208

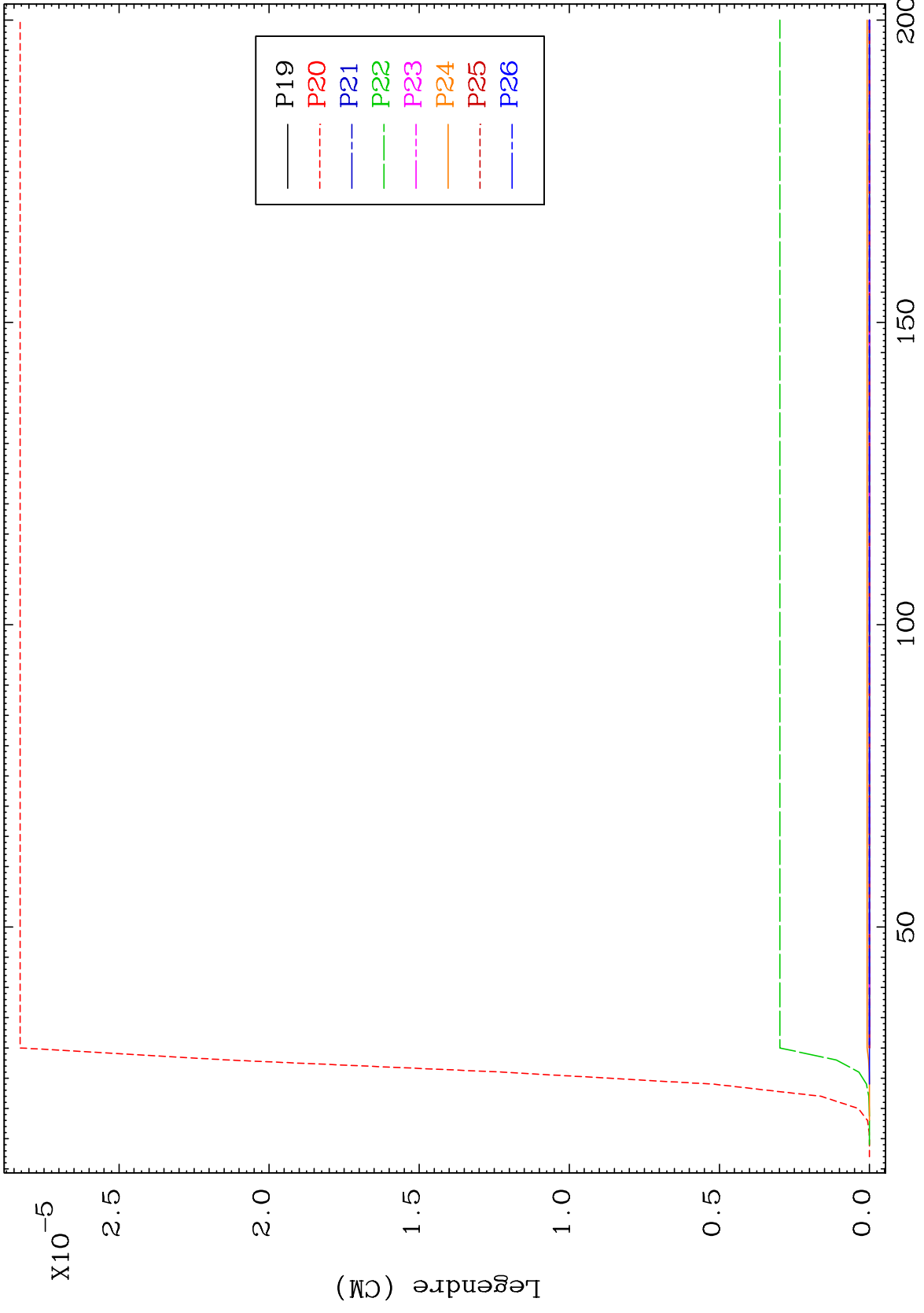


70

Incident Energy (MeV)

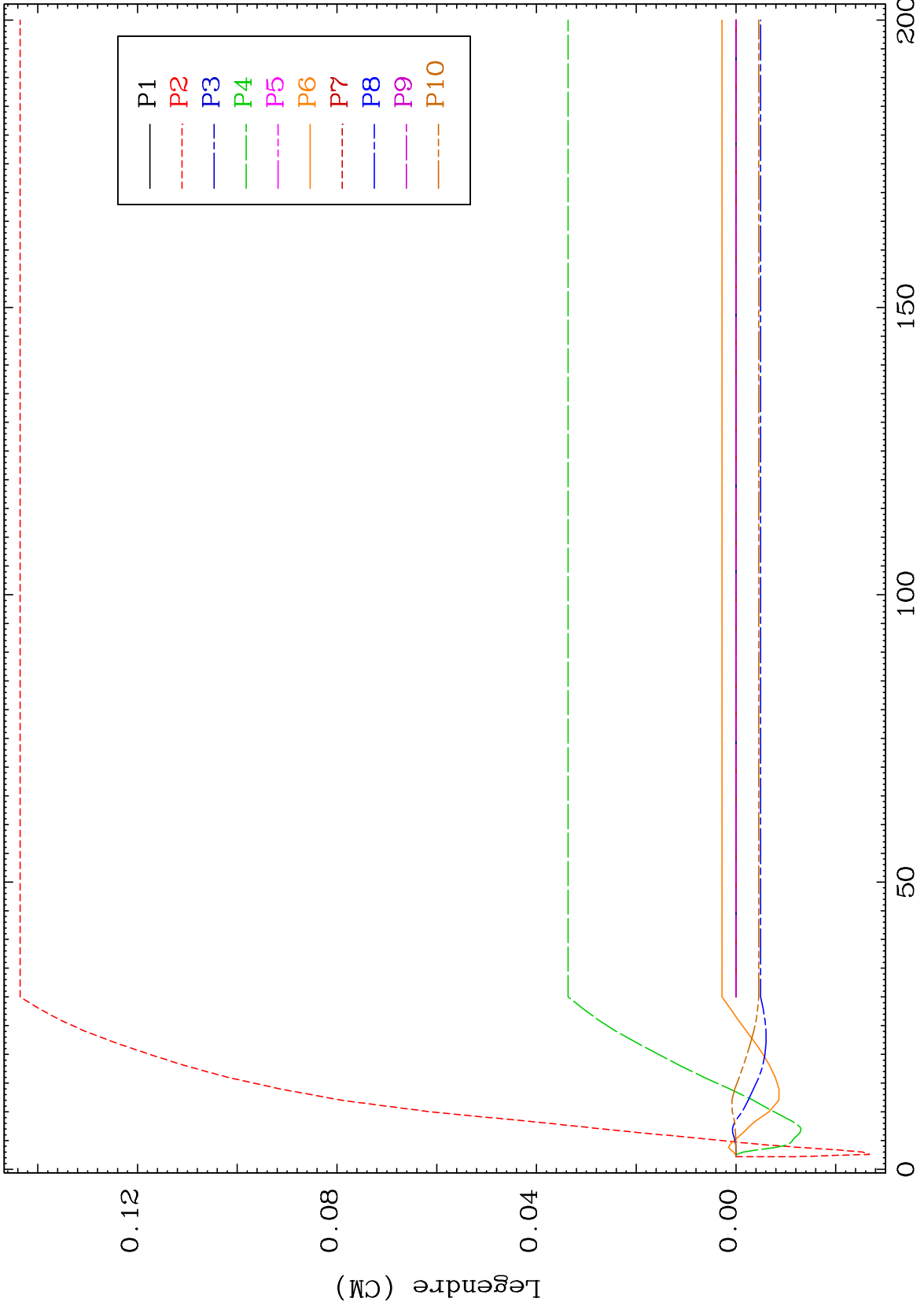
88-Ra-208

MAT 8780 MT= 65 (n,n') Level Legendre Coefficients 88-Ra-208



71 88-Ra-208

MAT 8780 MT= 66 (n,n') Level Legendre Coefficients 88-Ra-208

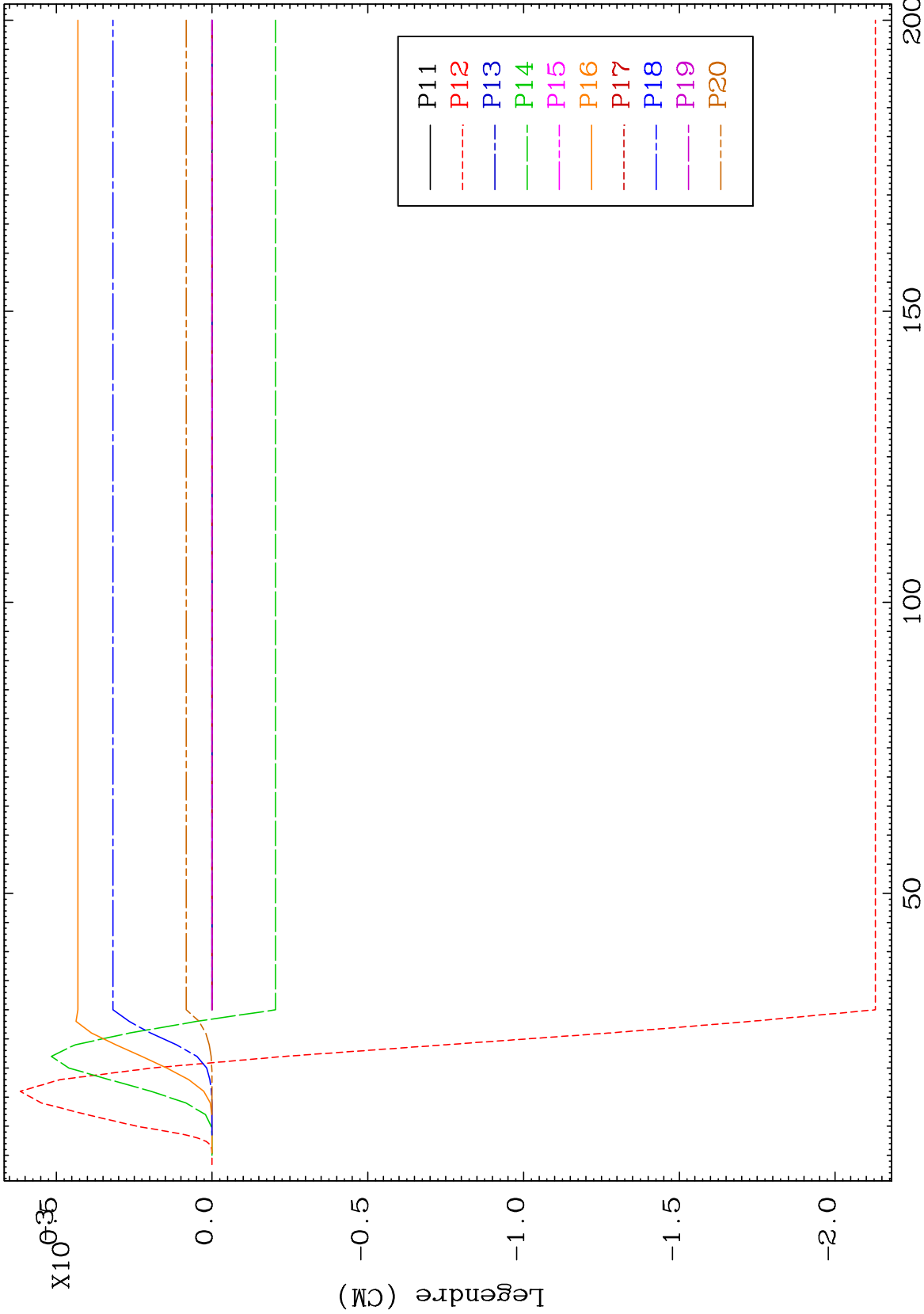


72 88-Ra-208

MAT 8780

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

88-Ra-208

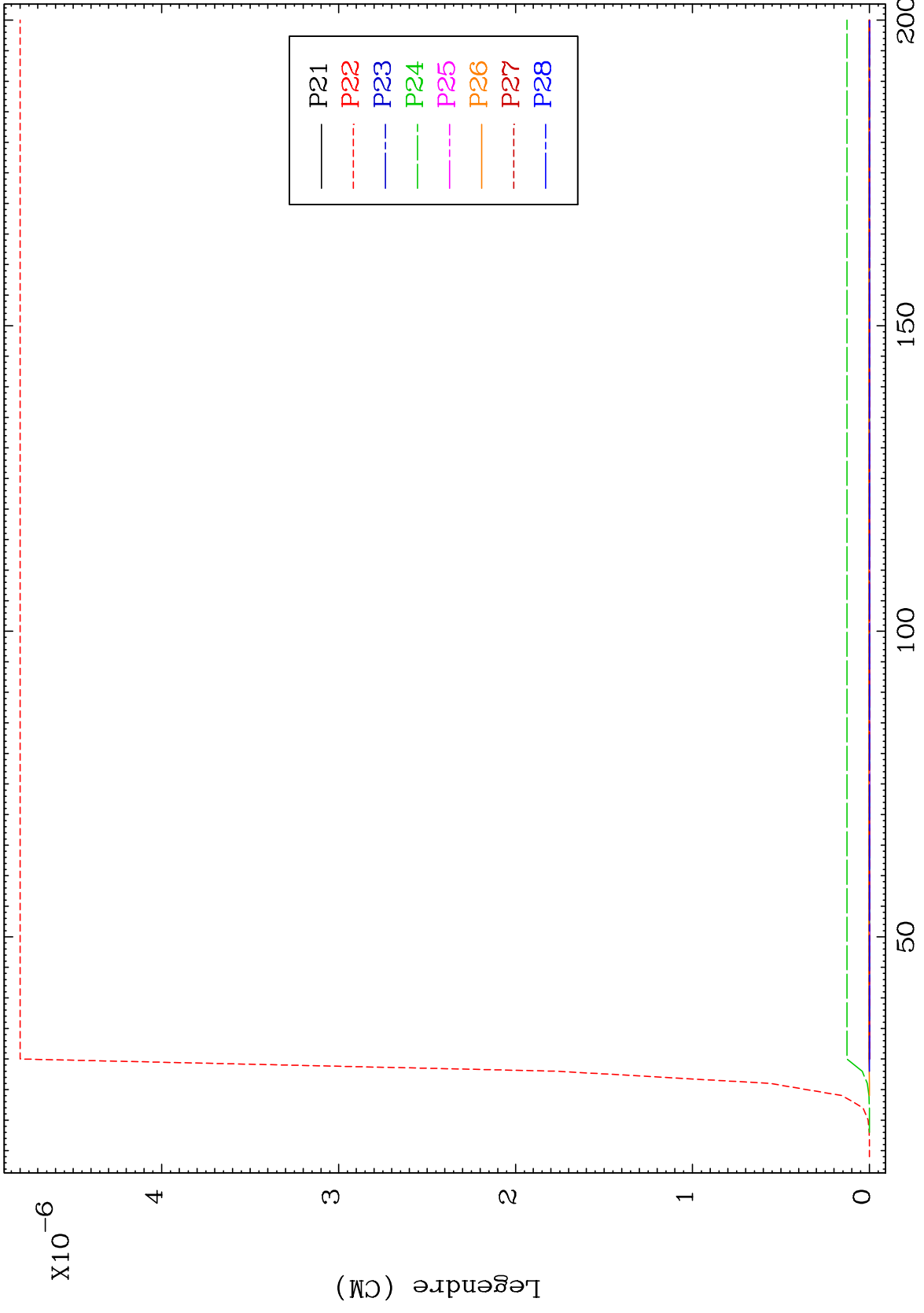


73

Incident Energy (MeV)

88-Ra-208

MAT 8780 MT= 66 (n,n') Level Legendre Coefficients 88-Ra-208

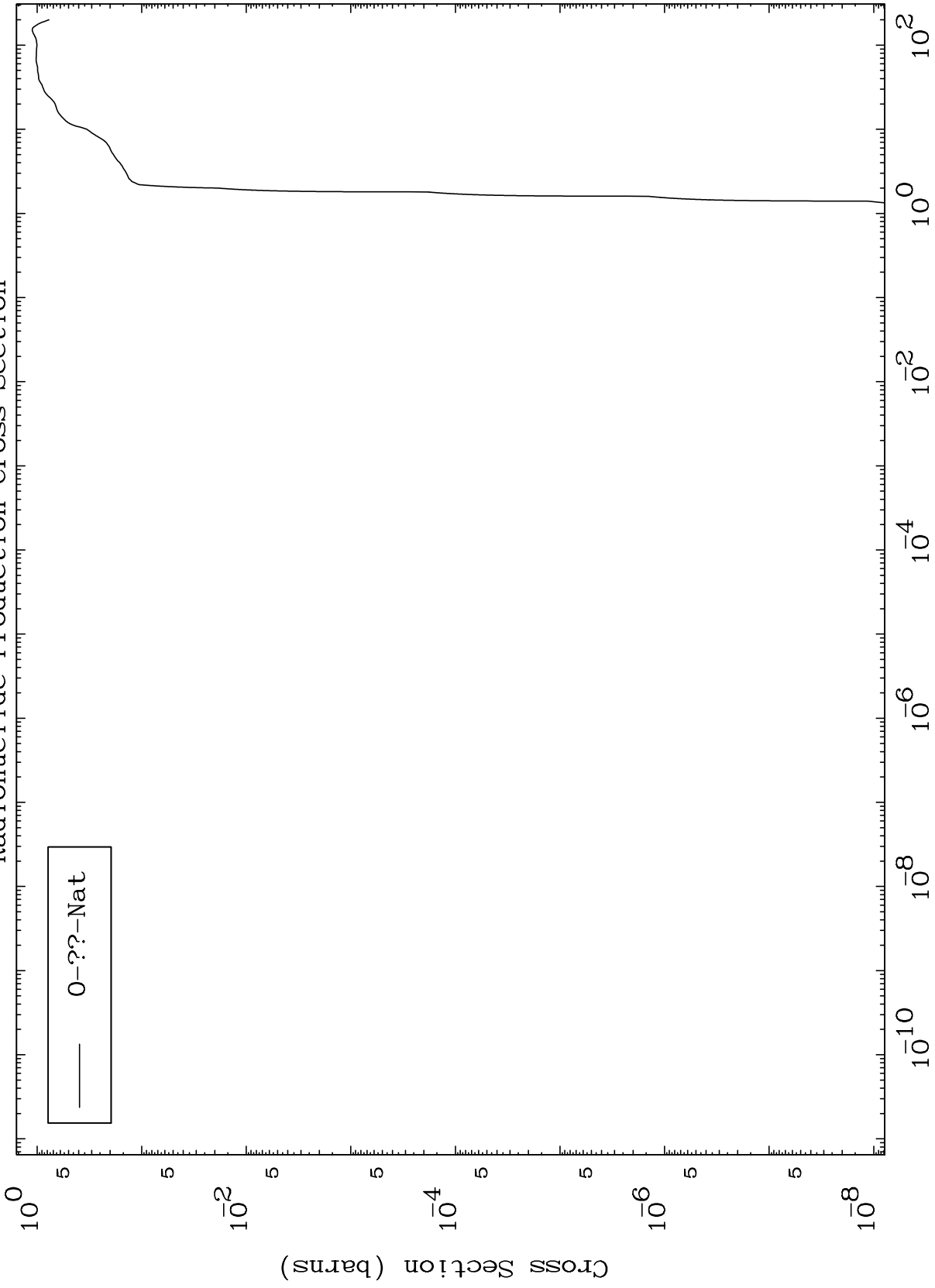


74 88-Ra-208

MAT 8780

Fission
Radionuclide Production Cross Section

88-Ra-208



75

Incident Energy (MeV)

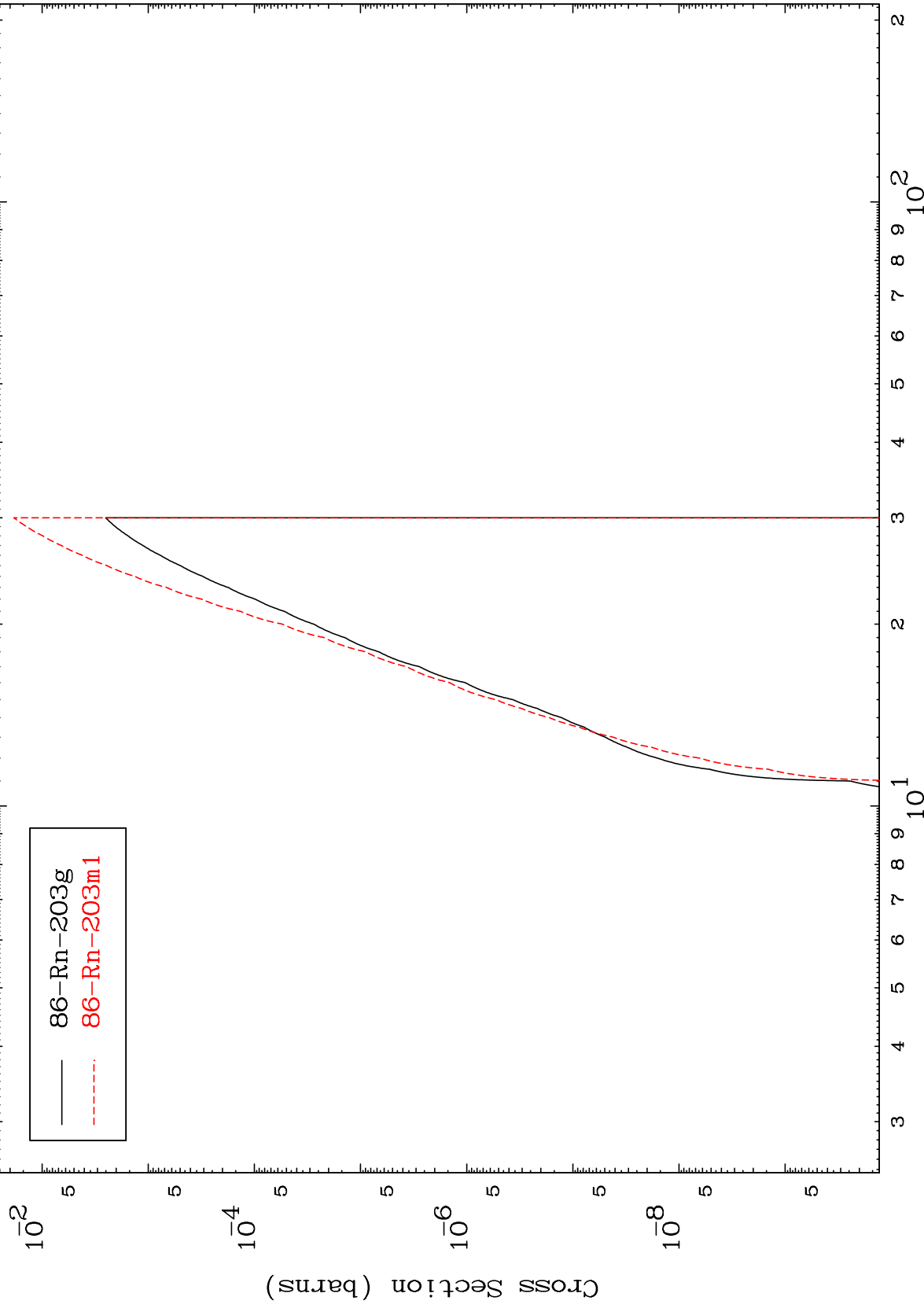
88-Ra-208

MAT 8780

(n,2n) α

88-Ra-208

Radionuclide Production Cross Section



76

Incident Energy (MeV)

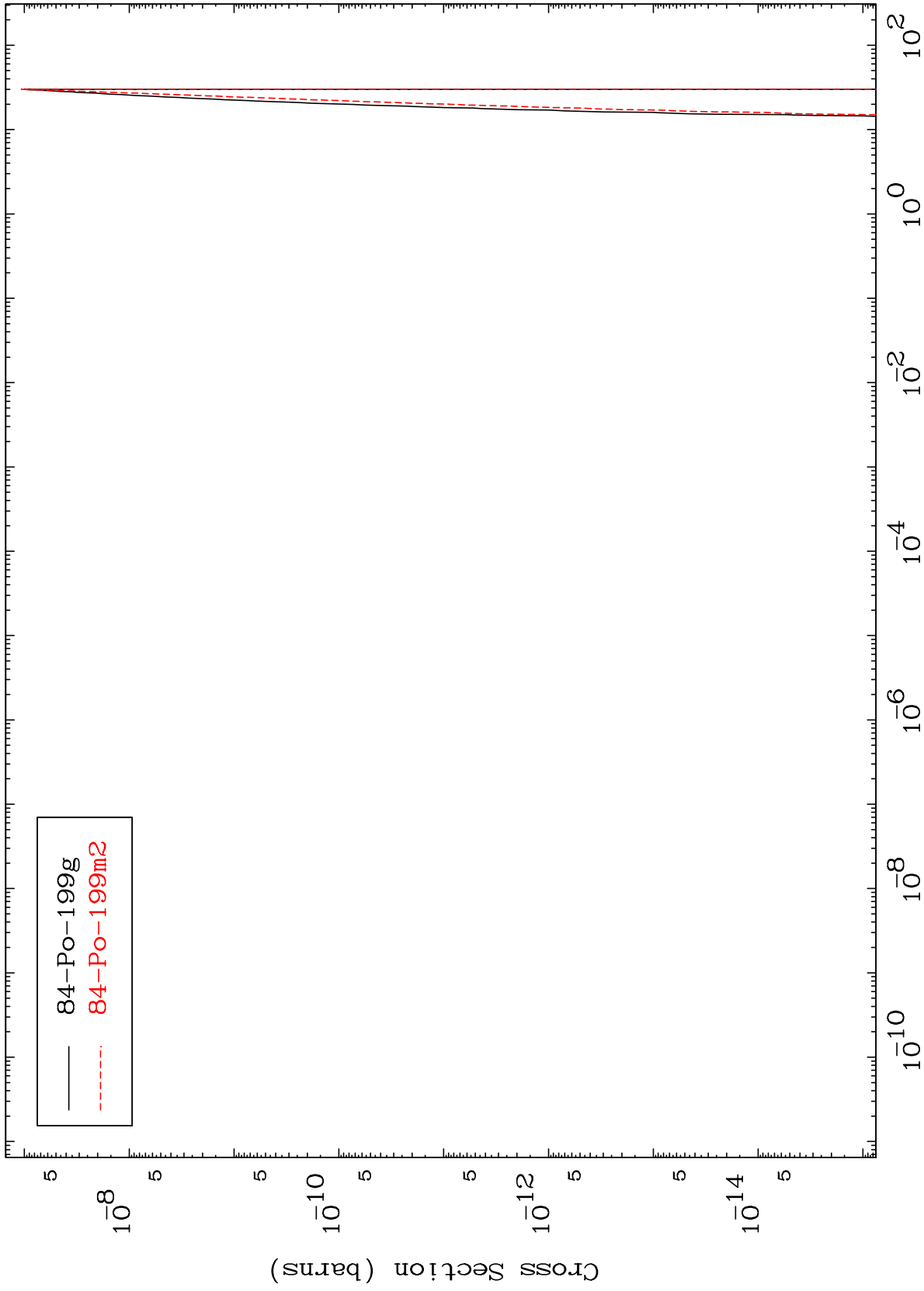
88-Ra-208

MAT 8780

(n,2n) 2 α

88-Ra-208

Radionuclide Production Cross Section



77

Incident Energy (MeV)

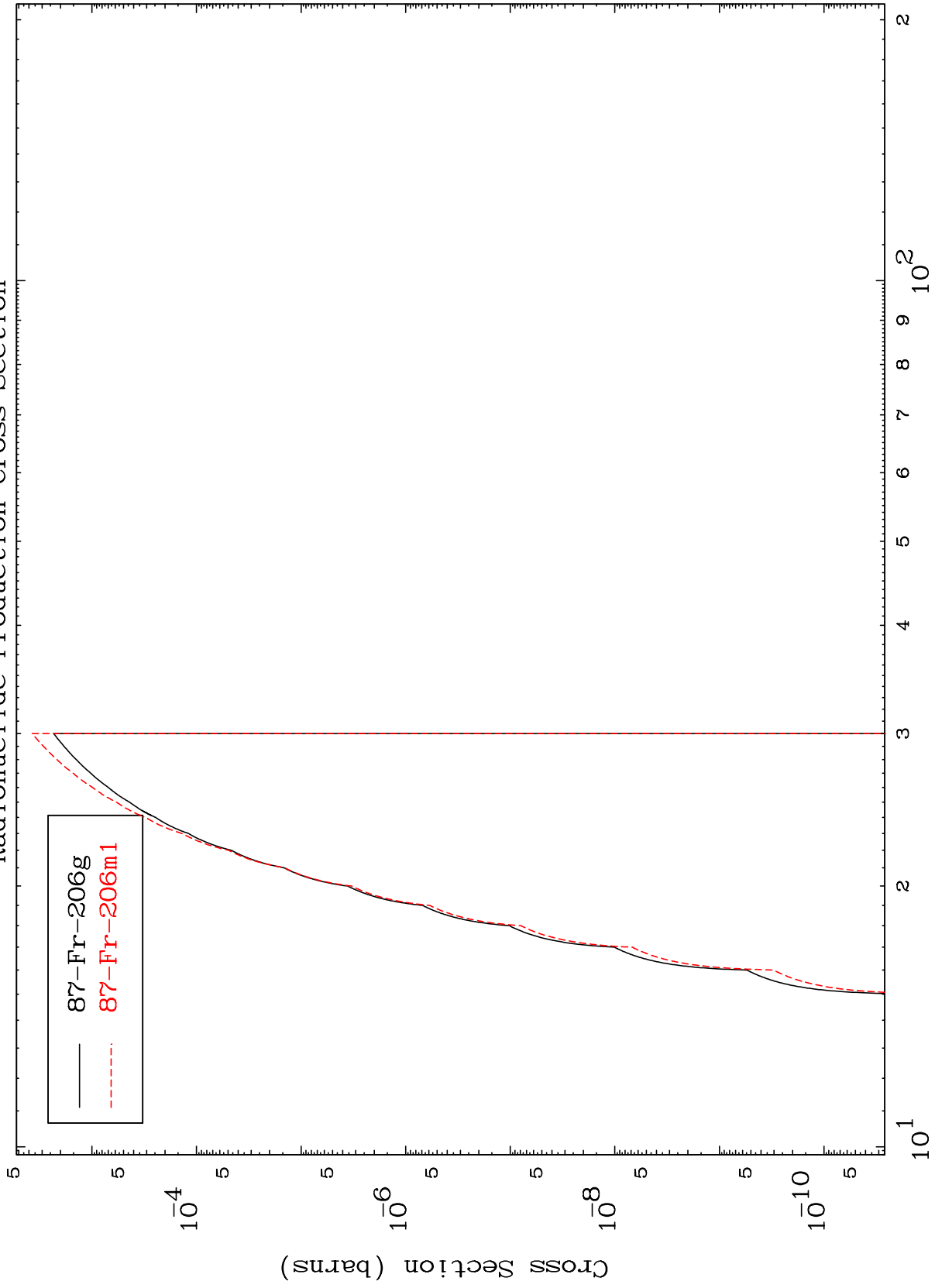
88-Ra-208

MAT 8780

(n,n') d

88-Ra-208

Radionuclide Production Cross Section



78

Incident Energy (MeV)

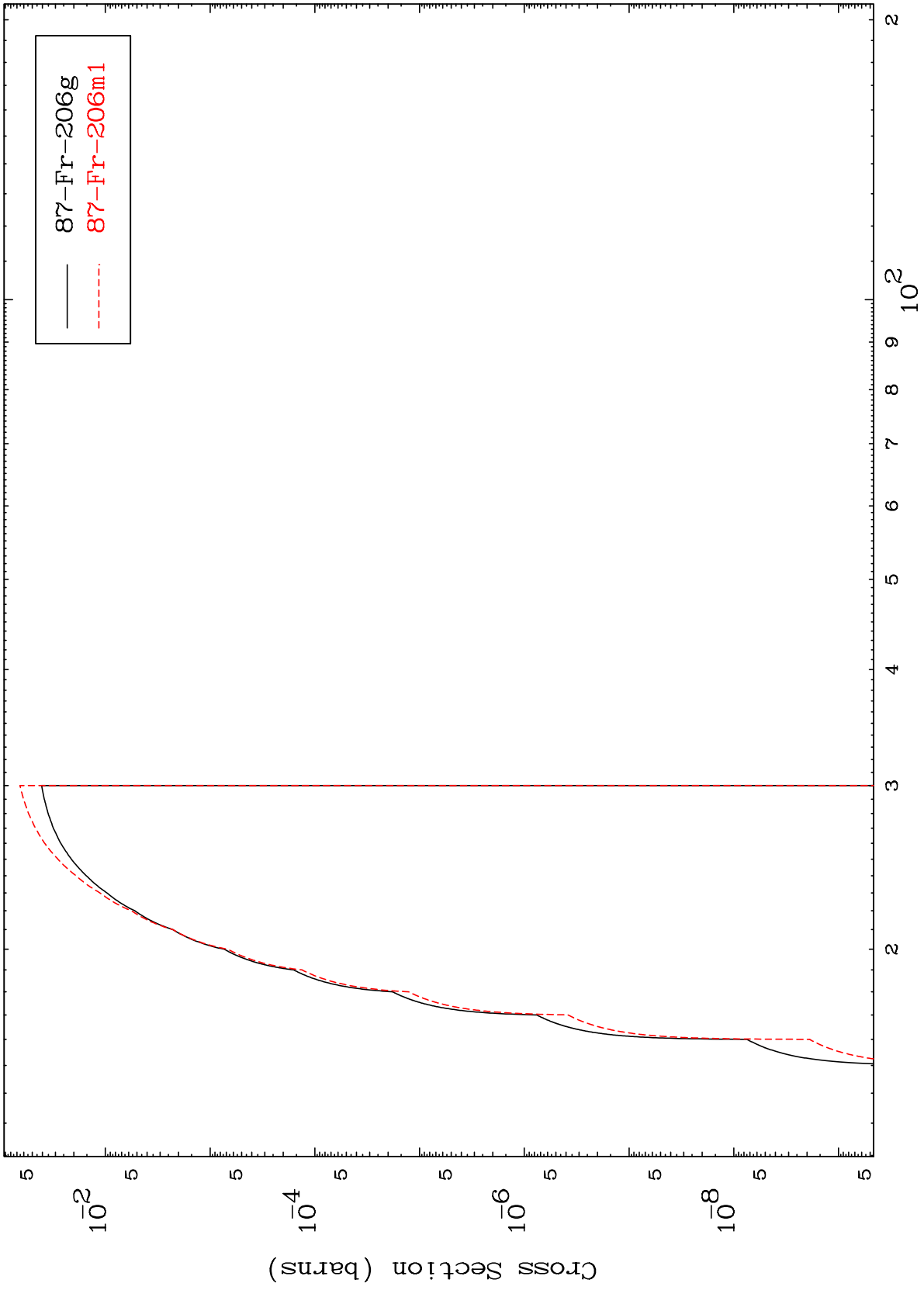
88-Ra-208

MAT 8780

(n,2n) p

88-Ra-208

Radionuclide Production Cross Section



79

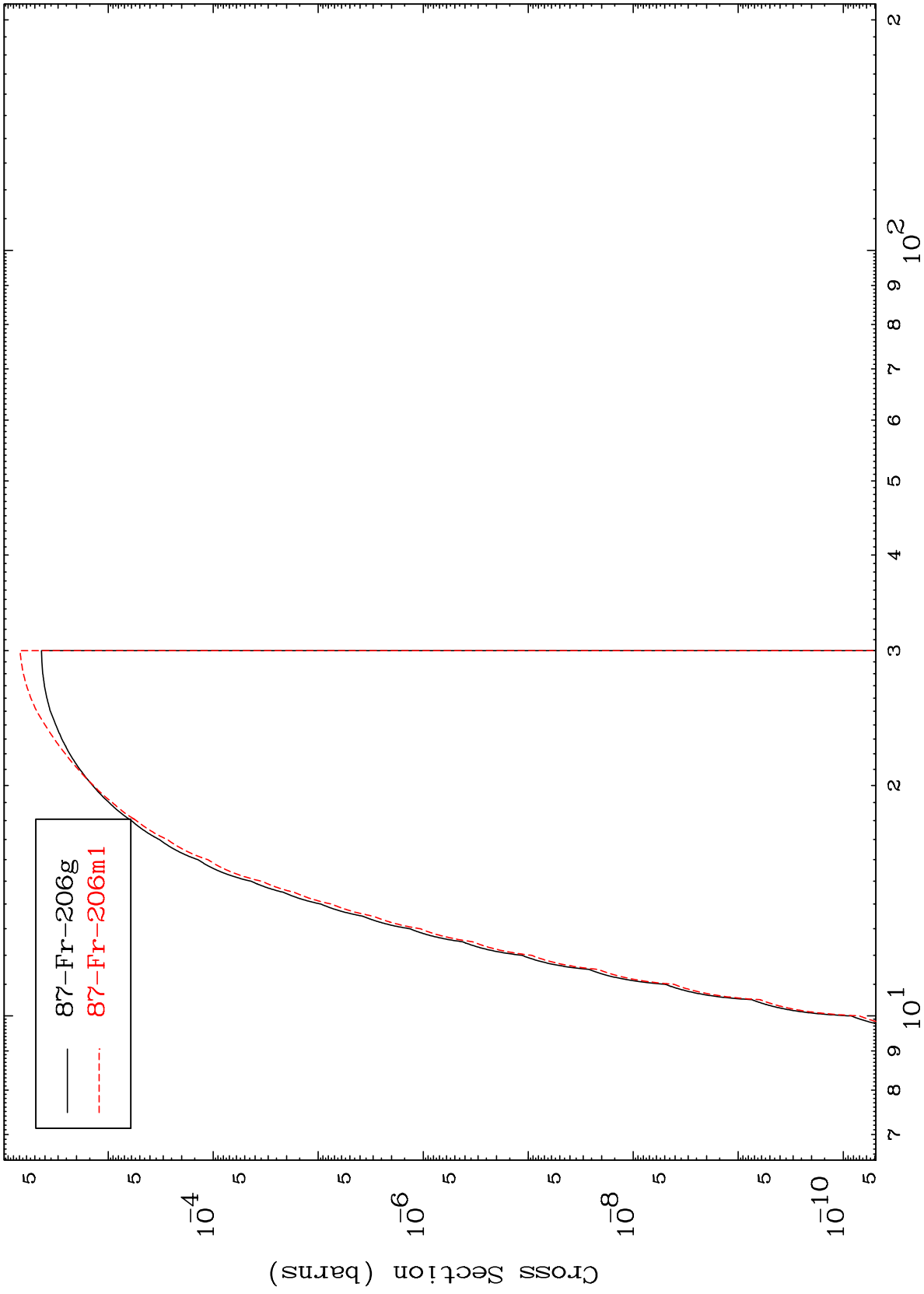
Incident Energy (MeV)

88-Ra-208

MAT 8780

88-Ra-208

Radionuclide Production Cross Section
(n, t)



80

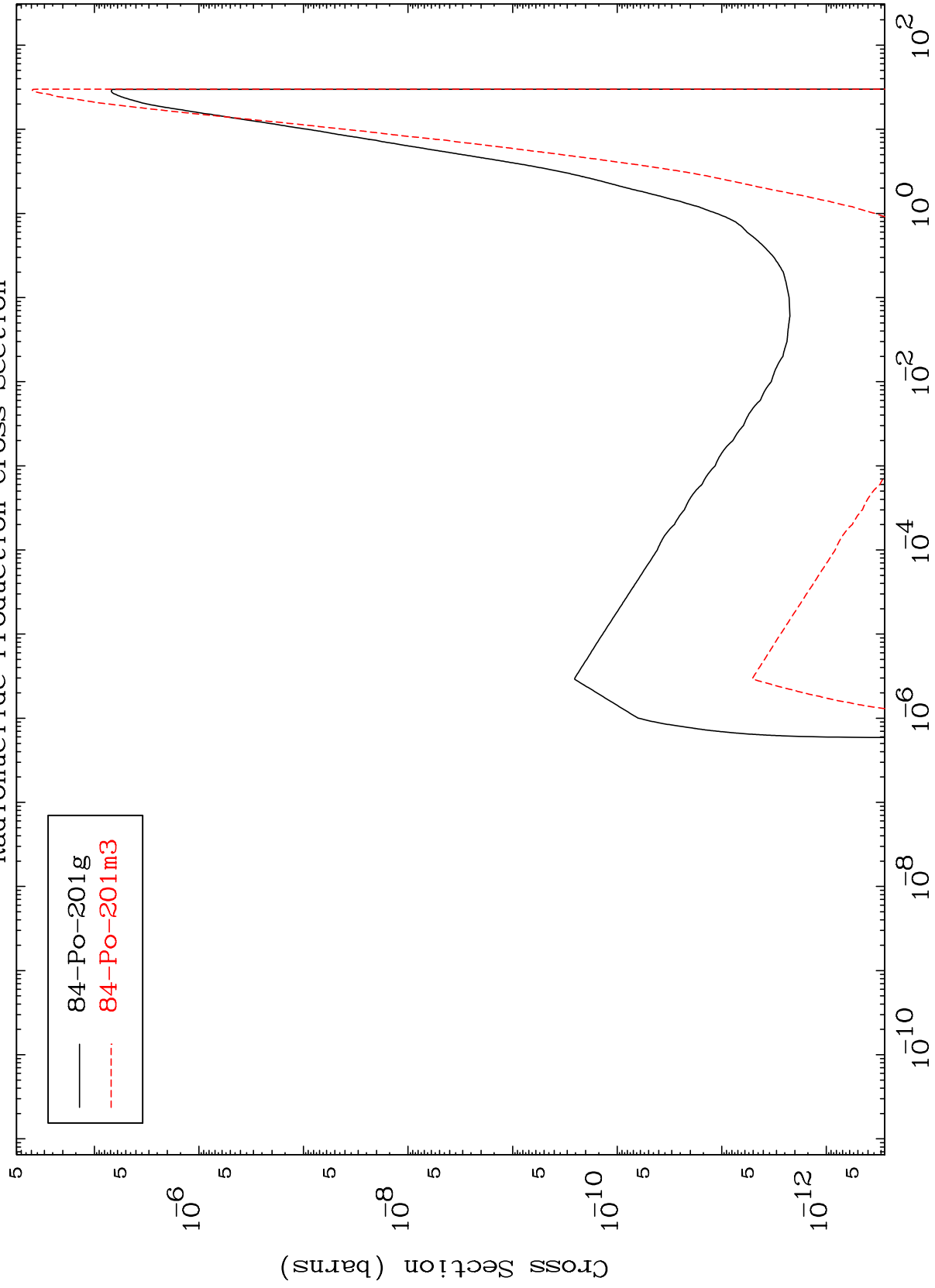
Incident Energy (MeV)

88-Ra-208

MAT 8780

88-Ra-208

(n,2α)
Radionuclide Production Cross Section



84-Po-201g
84-Po-201m3

81

88-Ra-208

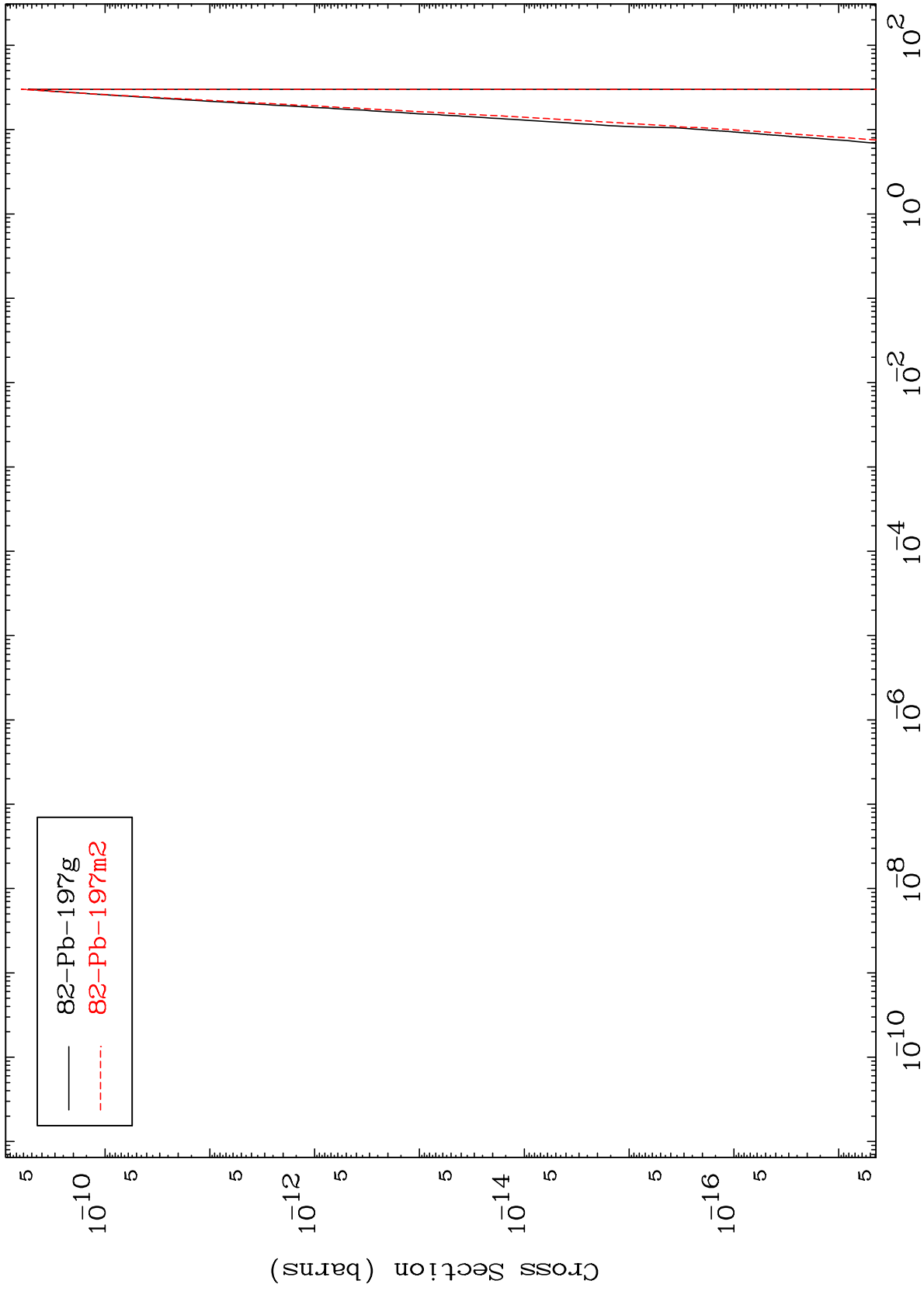
Incident Energy (MeV)

MAT 8780

(n,3 α)

88-Ra-208

Radionuclide Production Cross Section



88

Incident Energy (MeV)

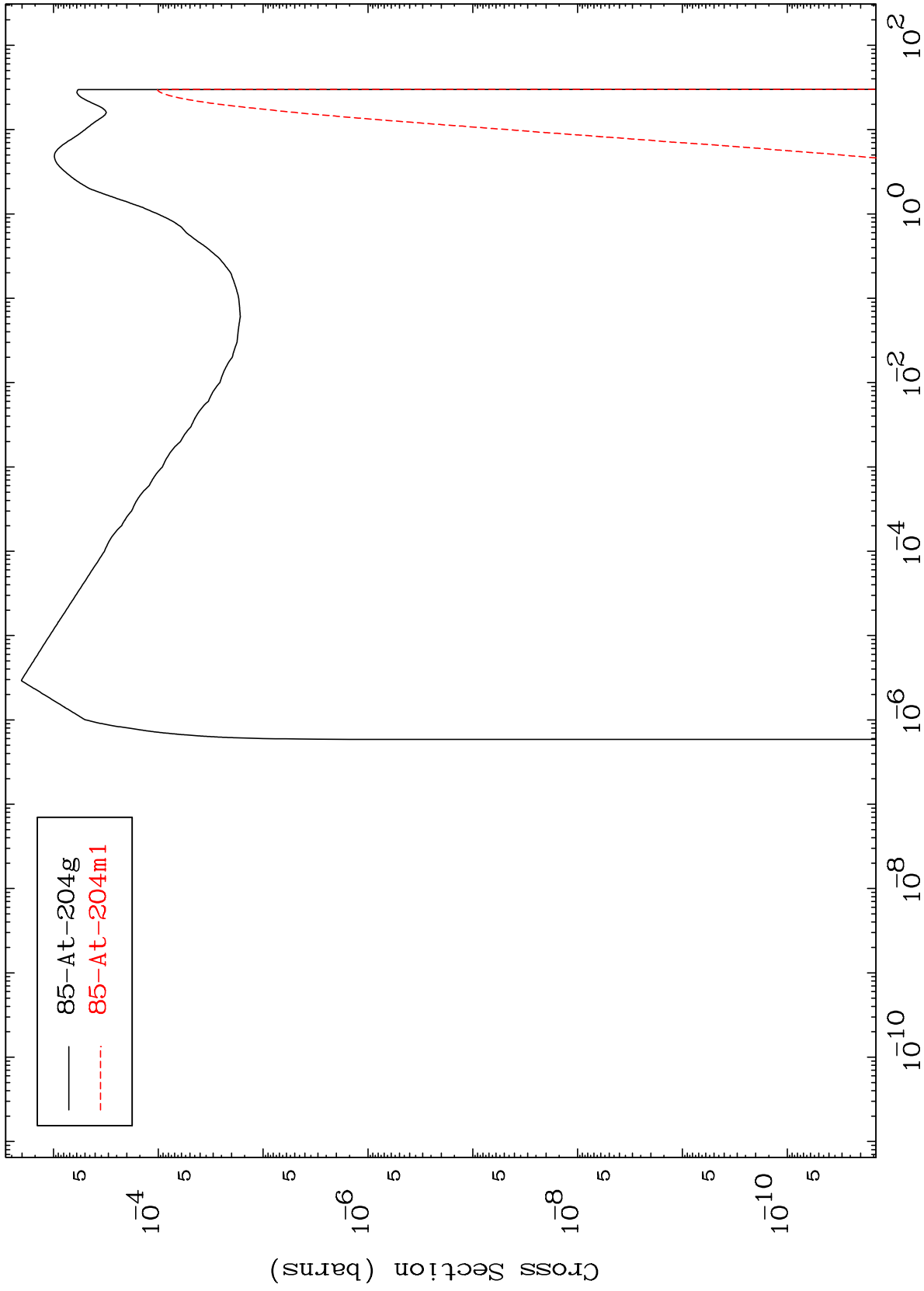
88-Ra-208

MAT 8780

(n,p) α

88-Ra-208

Radionuclide Production Cross Section



83

Incident Energy (MeV)

88-Ra-208