

Program EVALPLOT
(Version 2018-1)

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

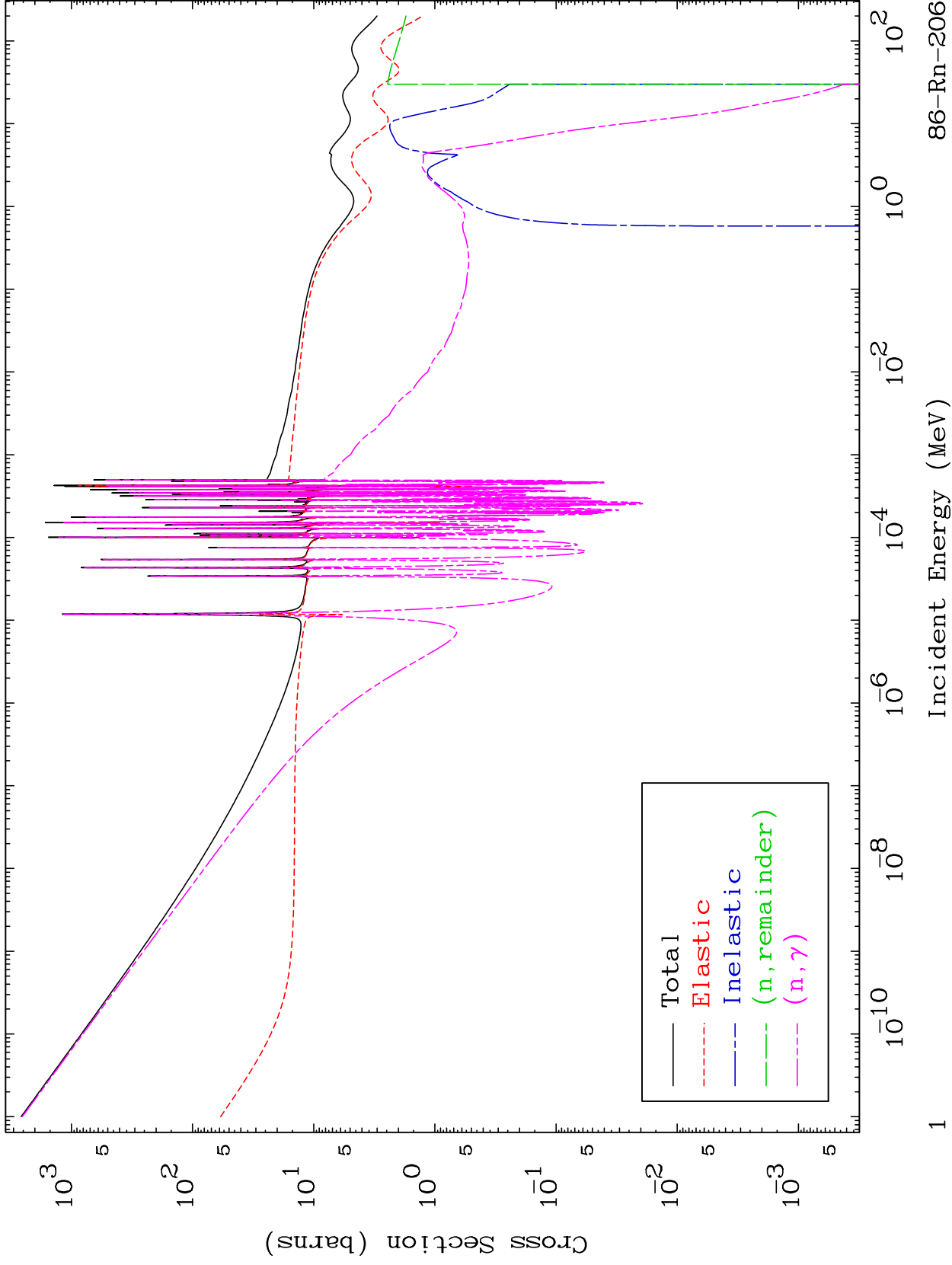
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8610

Major
293 Kelvin Cross Sections

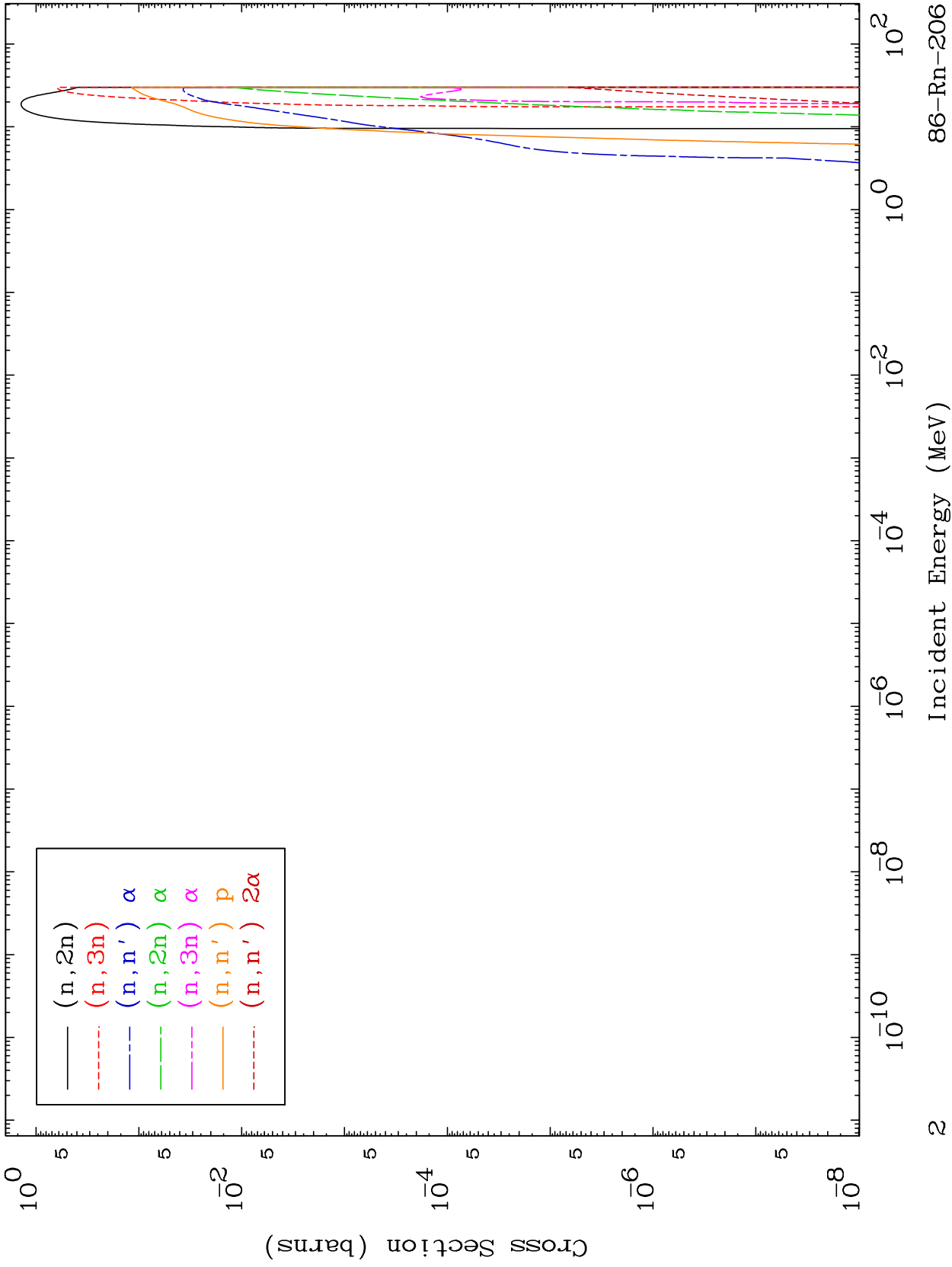
86-Rn-206



MAT 8610

Neutron Production
293 Kelvin Cross Sections

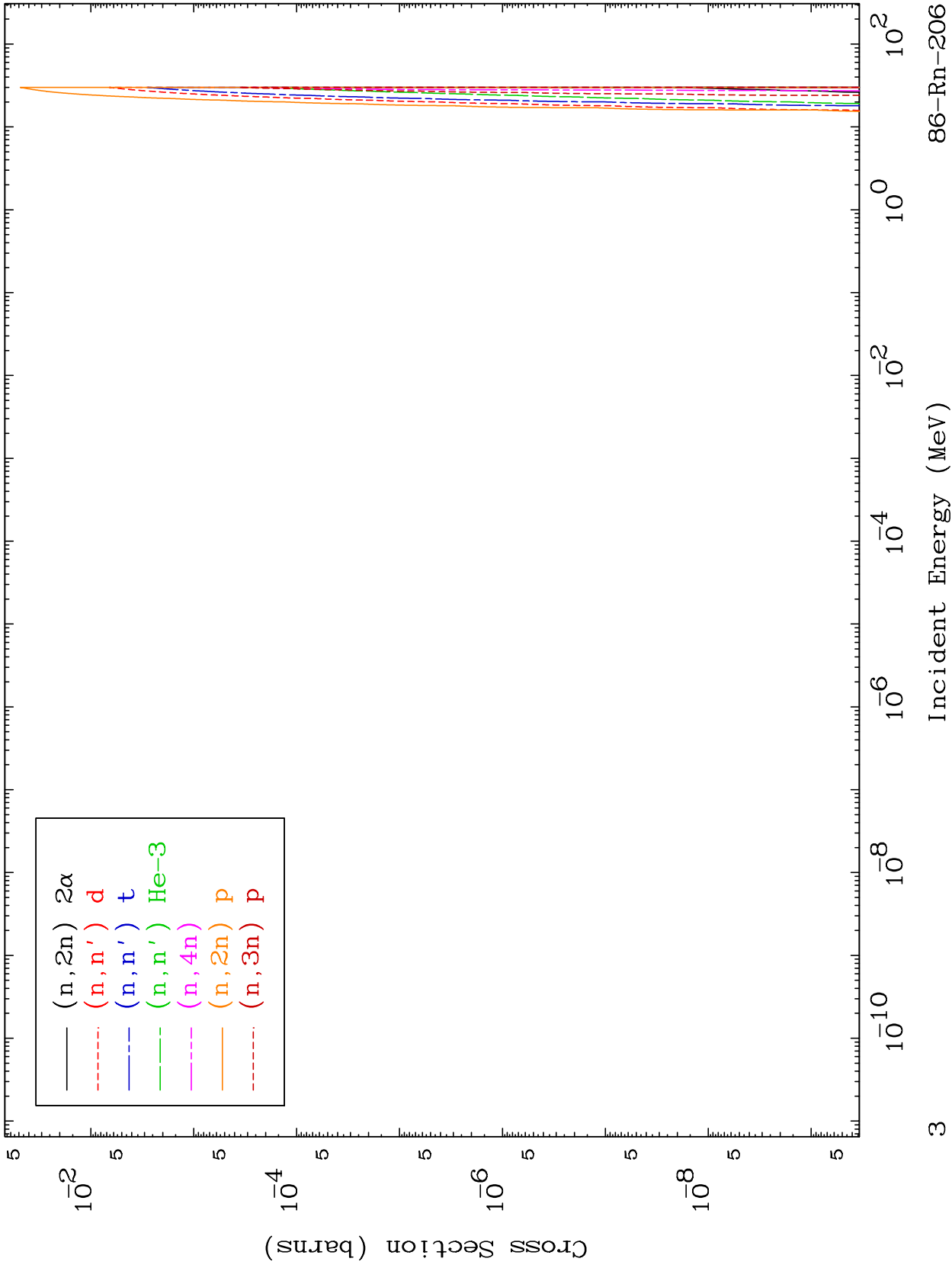
86-Rn-206



MAT 8610

Neutron Production
293 Kelvin Cross Sections

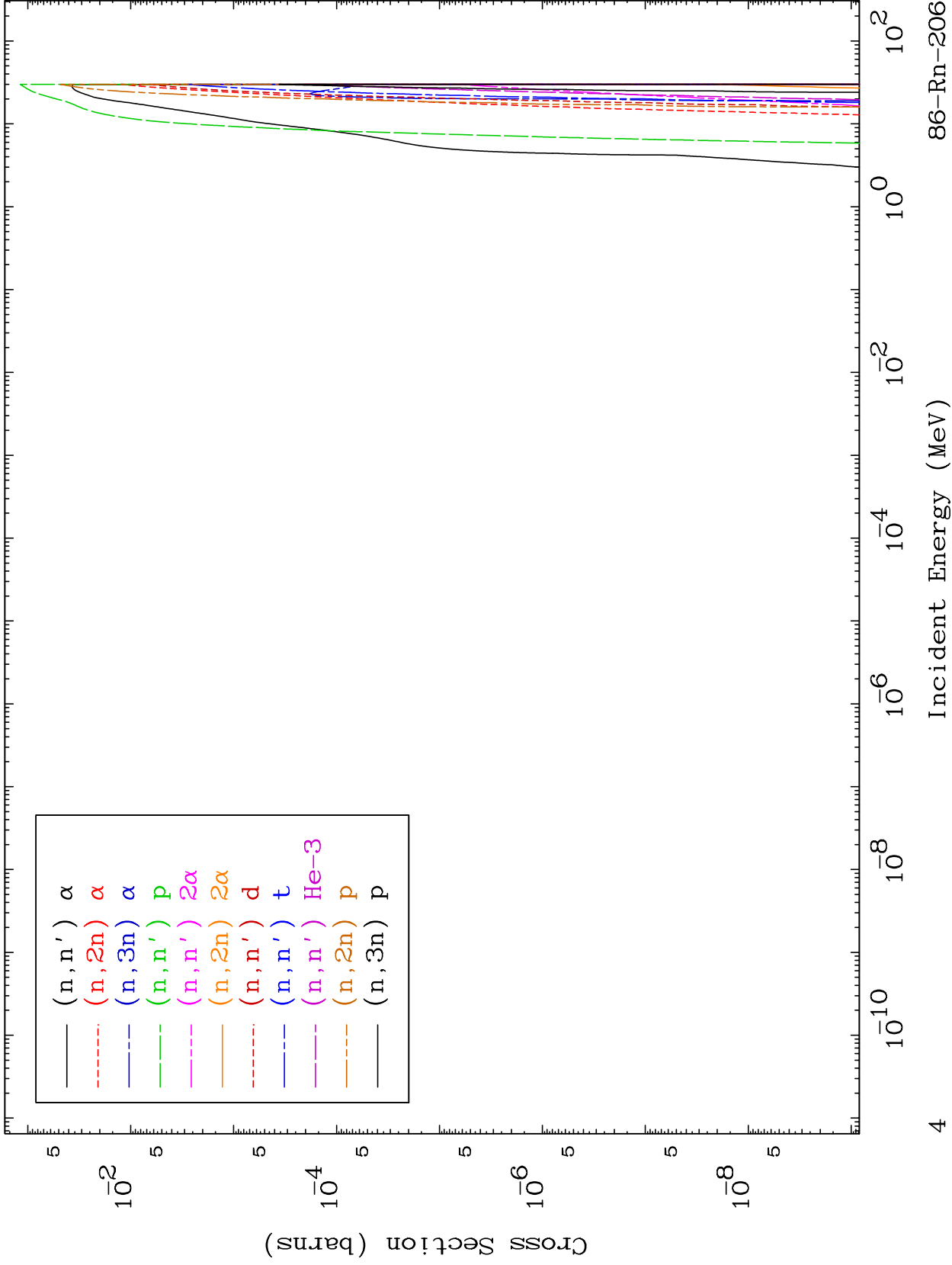
86-Rn-206



MAT 8610

Charged Particle
293 Kelvin Cross Sections

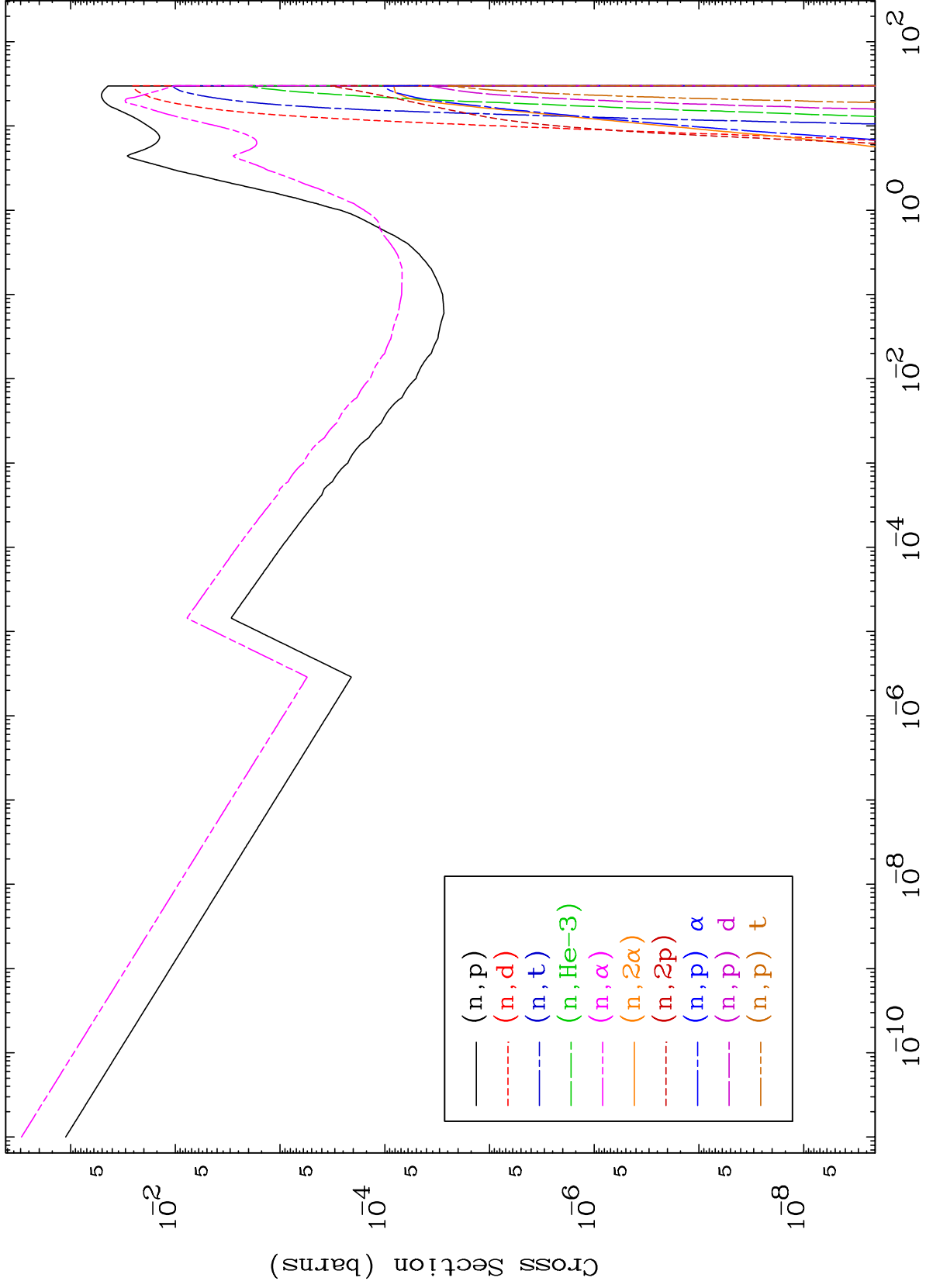
86-Rn-206



MAT 8610

Charged Particle
293 Kelvin Cross Sections

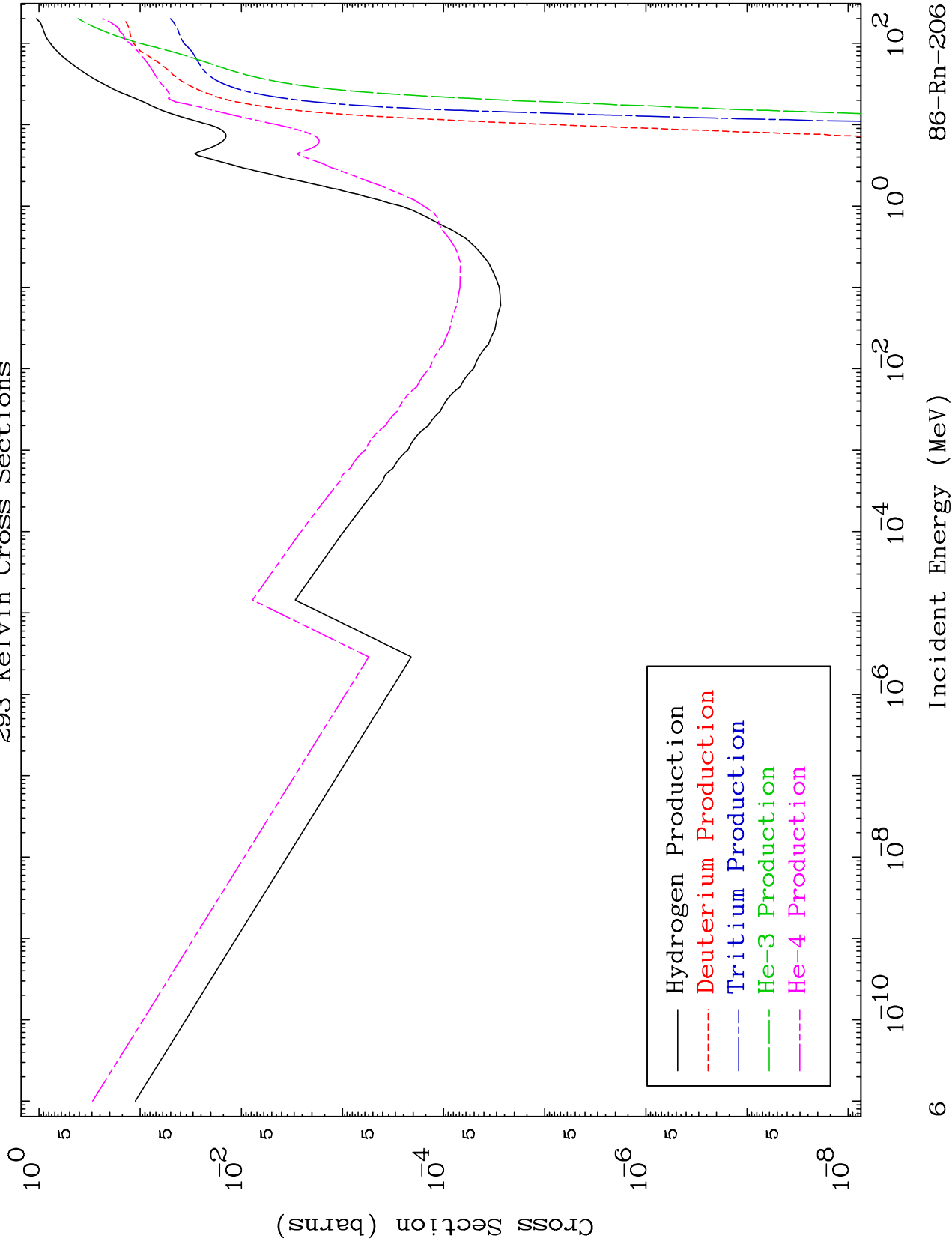
86-Rn-206



MAT 8610

Particle Production
293 Kelvin Cross Sections

86-Rn-206

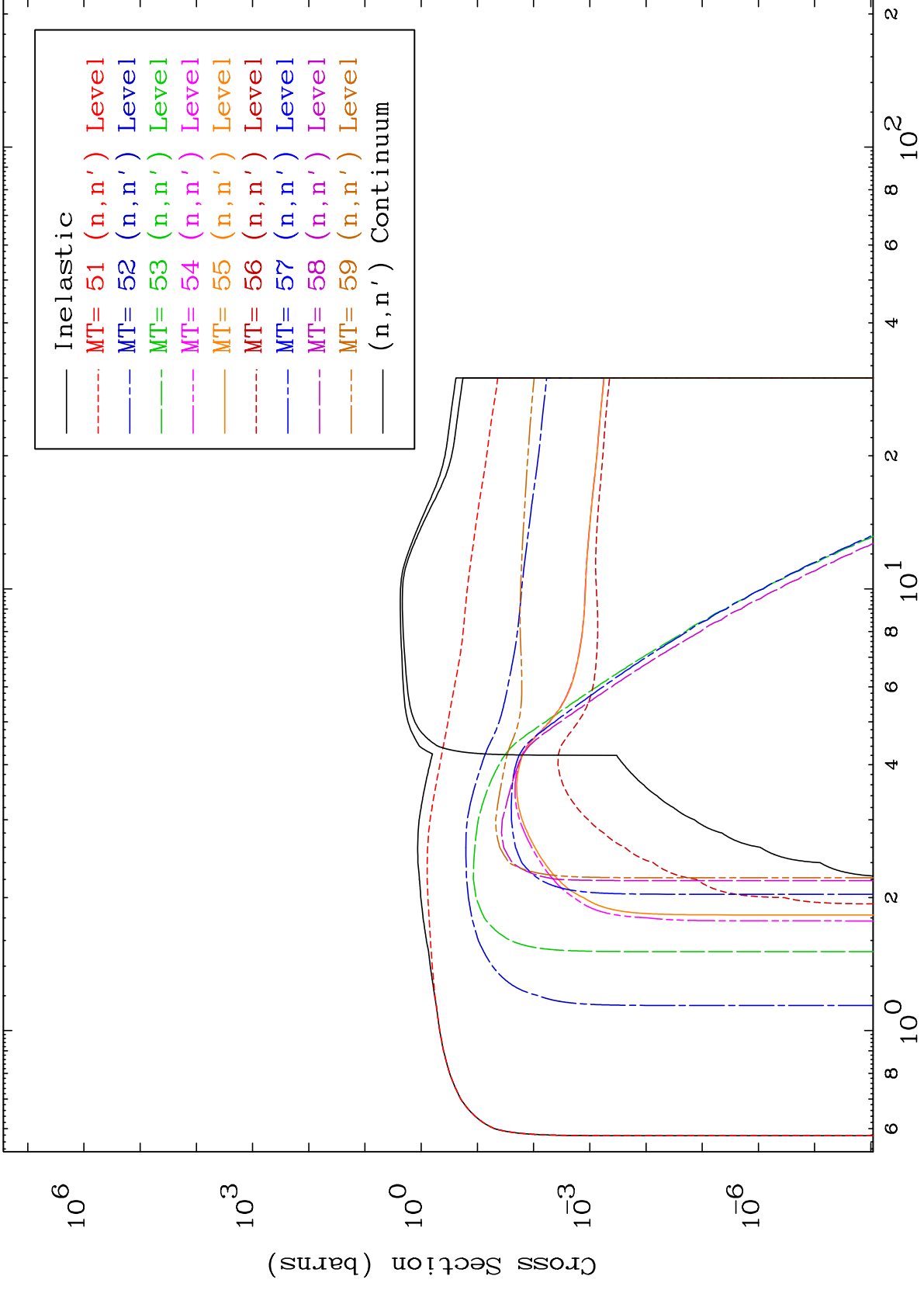


MAT 8610

(n,n') Level

86-Rn-206

293 Kelvin Cross Sections



- Inelastic
- - - MT= 51 (n,n') Level
- . - MT= 52 (n,n') Level
- - - MT= 53 (n,n') Level
- . - MT= 54 (n,n') Level
- - - MT= 55 (n,n') Level
- . - MT= 56 (n,n') Level
- - - MT= 57 (n,n') Level
- . - MT= 58 (n,n') Level
- - - MT= 59 (n,n') Level
- (n,n') Continuum

7

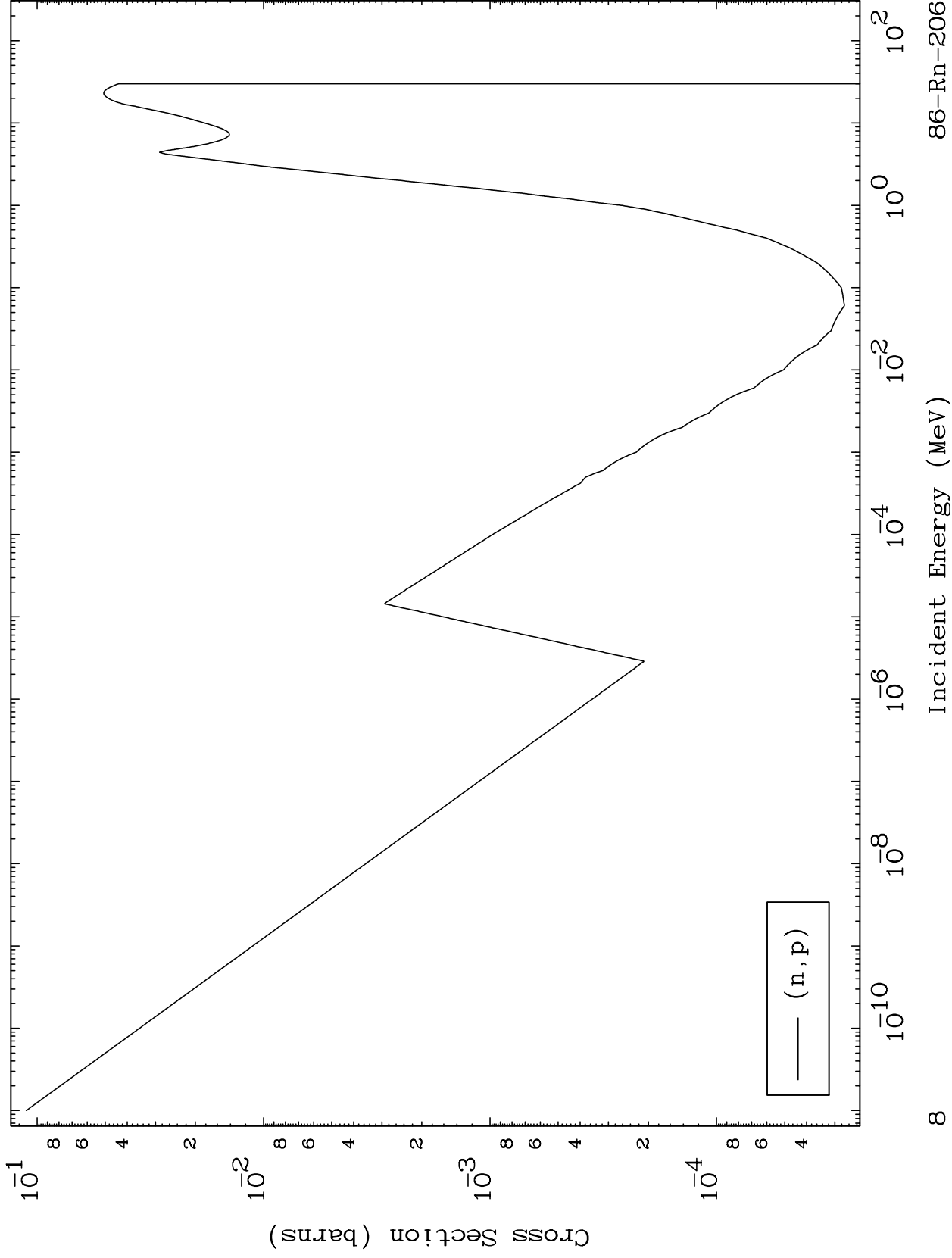
Incident Energy (MeV)

86-Rn-206

MAT 8610

(n,p) Levels
293 Kelvin Cross Sections

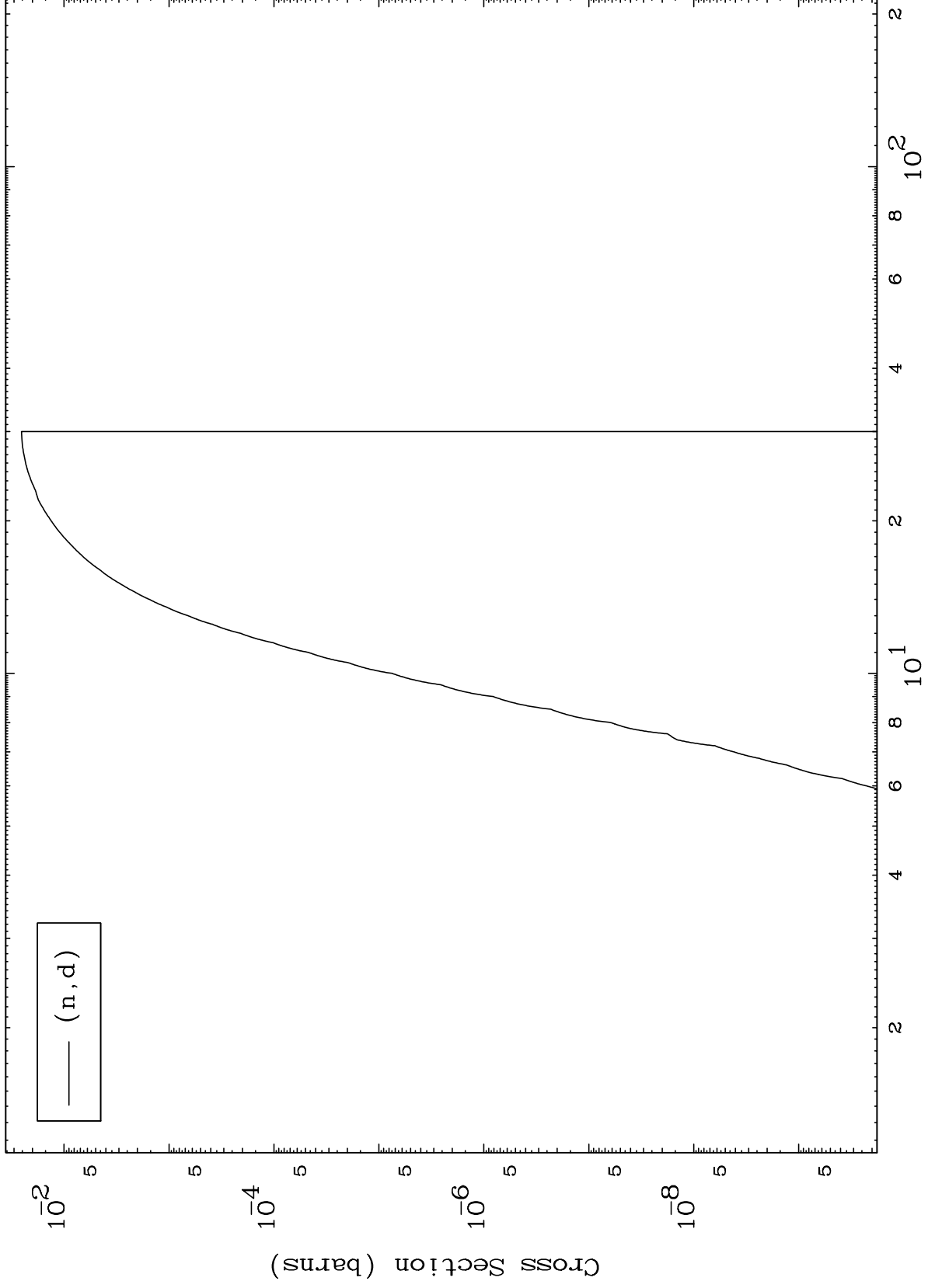
86-Rn-206



MAT 8610

(n,d) Levels
293 Kelvin Cross Sections

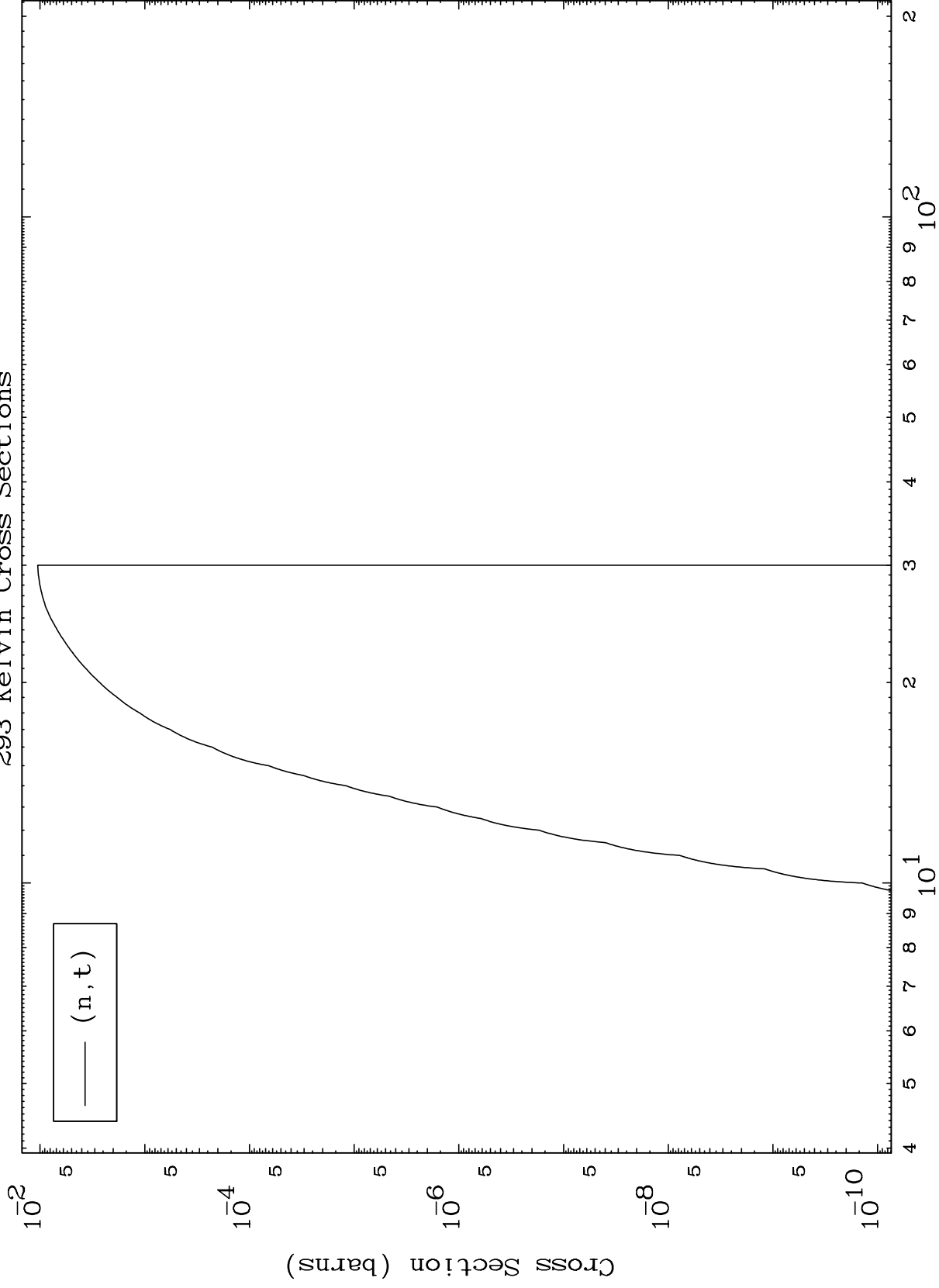
86-Rn-206



MAT 8610

(n,t) Levels
293 Kelvin Cross Sections

86-Rn-206



10

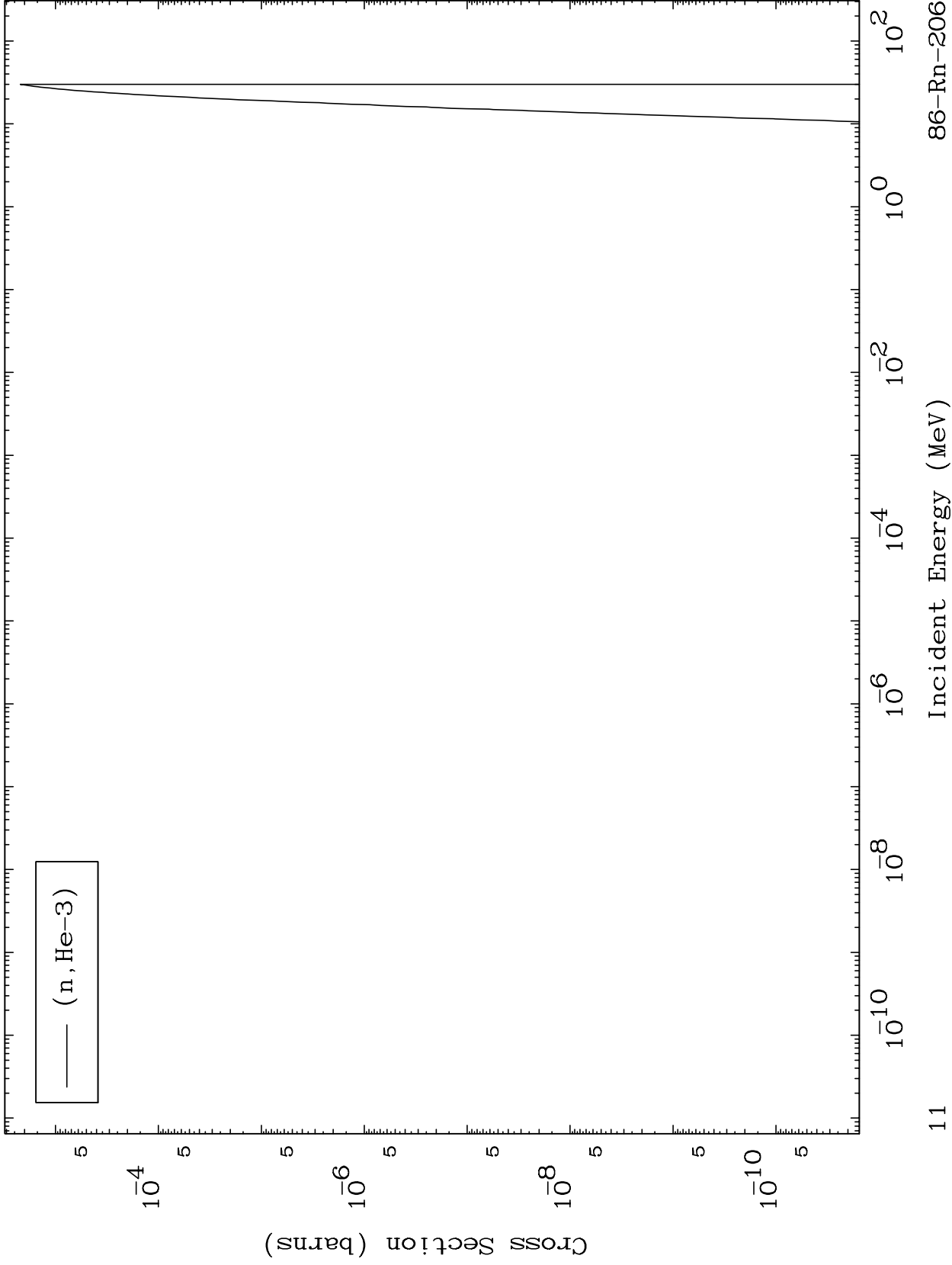
Incident Energy (MeV)

86-Rn-206

MAT 8610

(n,He3) Levels
293 Kelvin Cross Sections

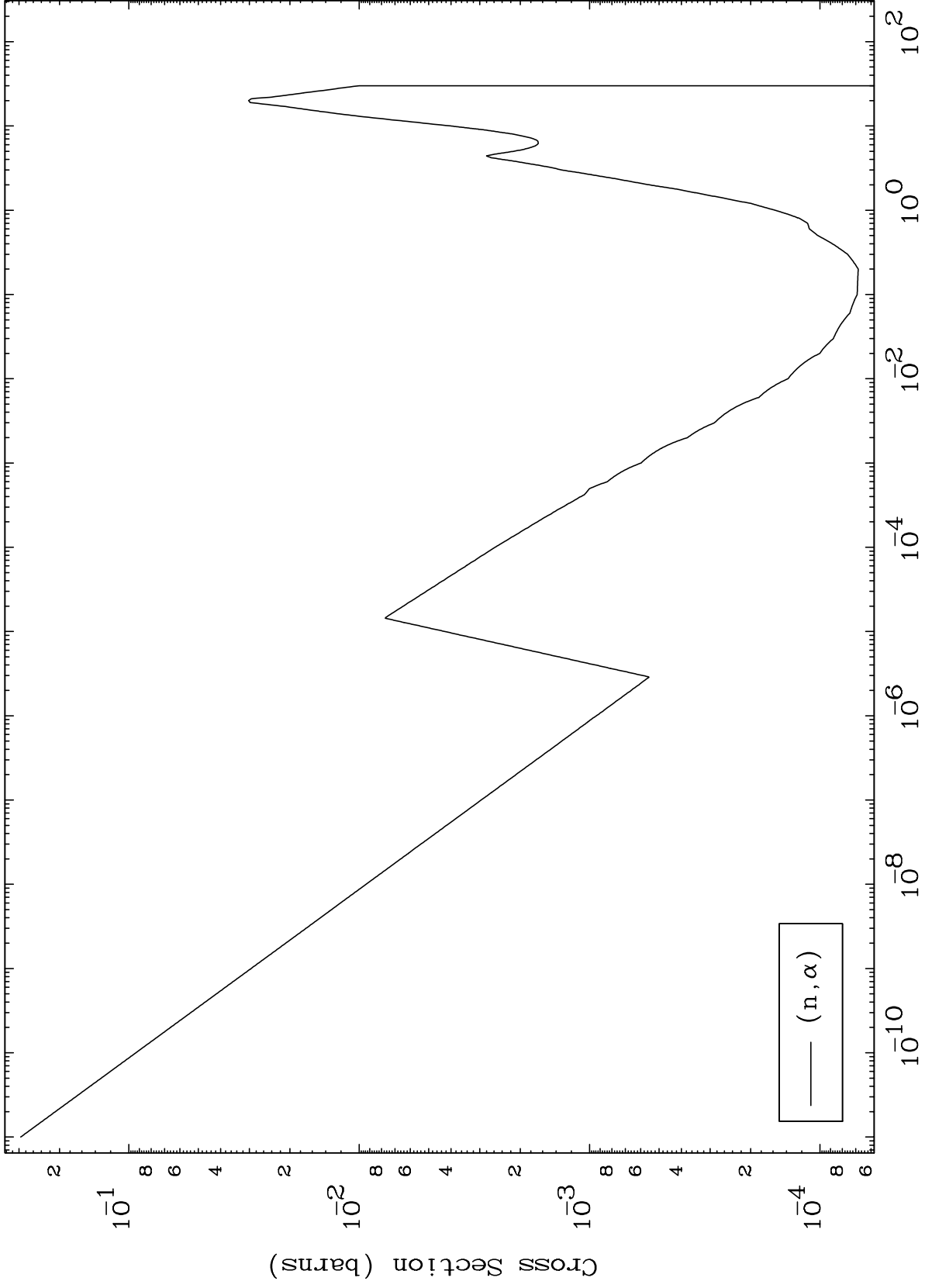
86-Rn-206



MAT 8610

(n,α) Levels
293 Kelvin Cross Sections

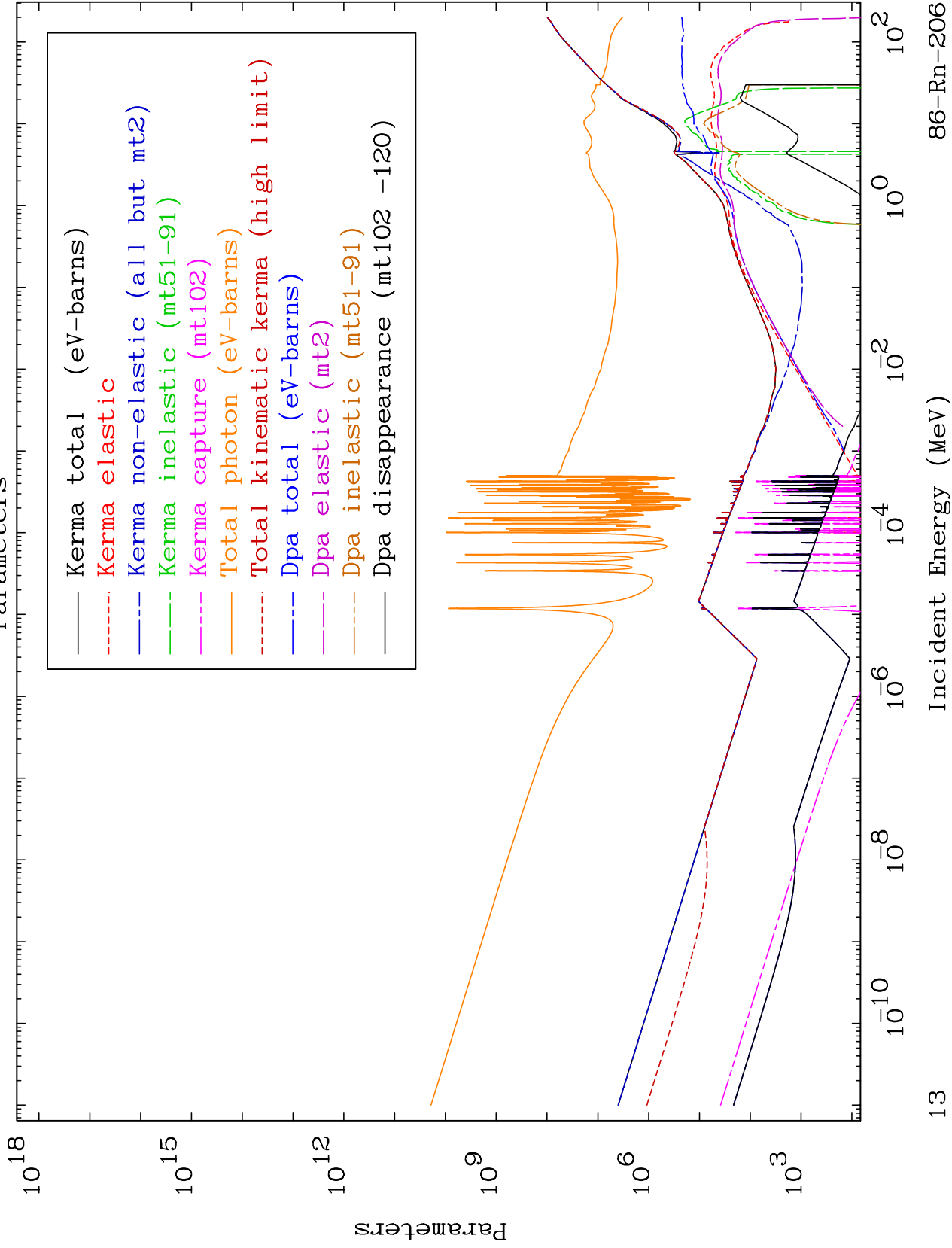
86-Rn-206



12

Incident Energy (MeV)

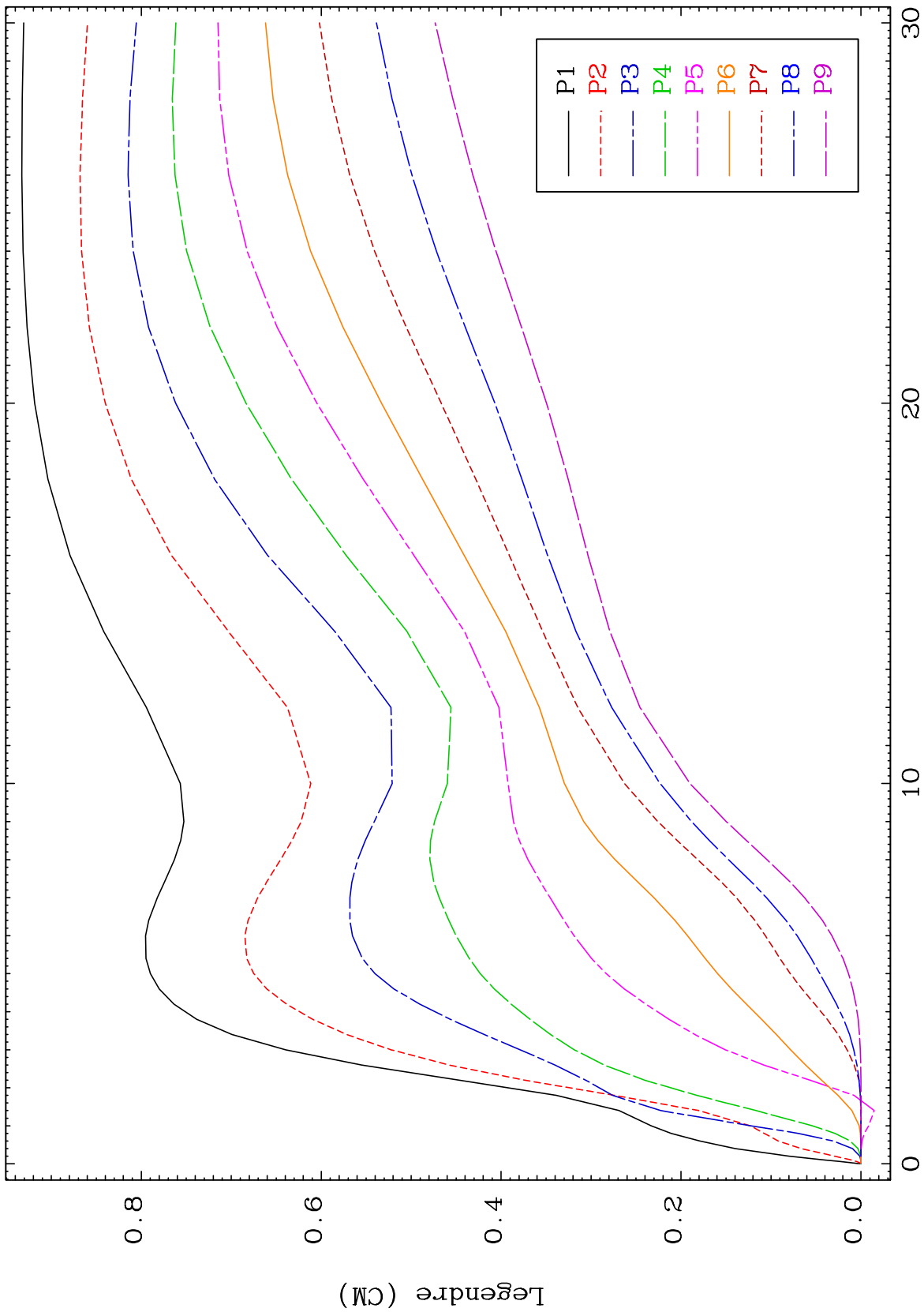
86-Rn-206



MAT 8610

86-Rn-206

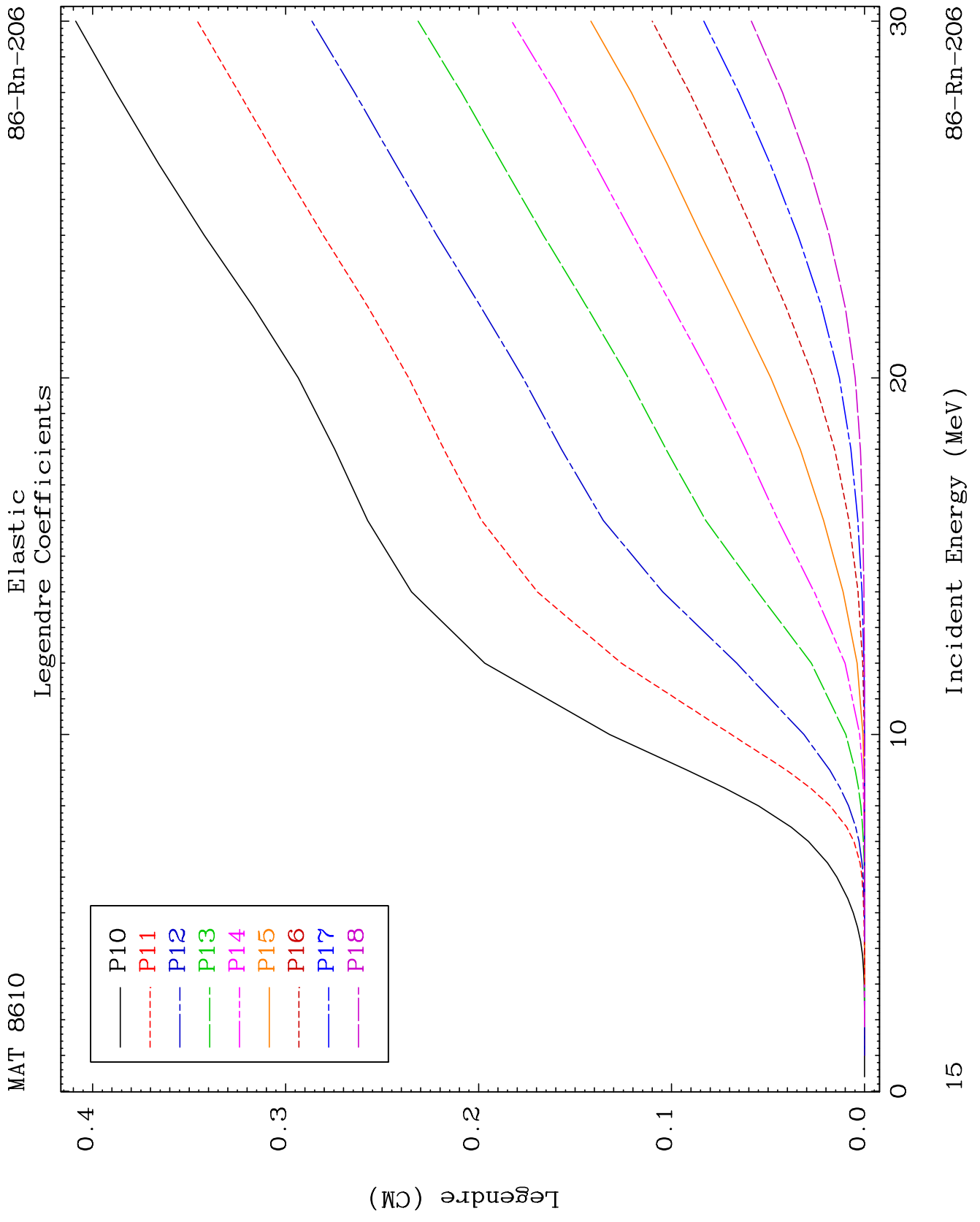
Elastic Legendre Coefficients



14

Incident Energy (MeV)

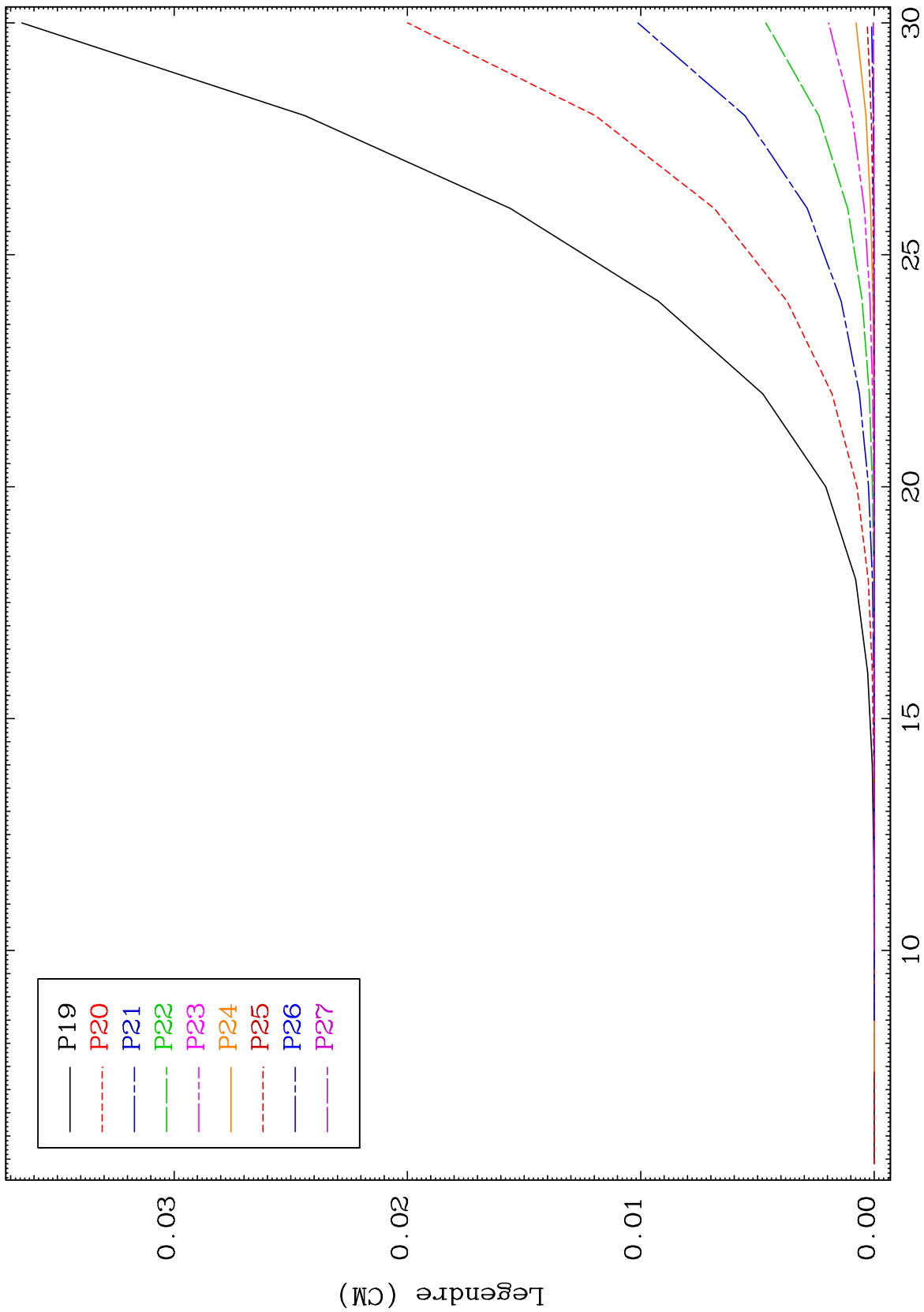
86-Rn-206



MAT 8610

Elastic
Legendre Coefficients

86-Rn-206



16

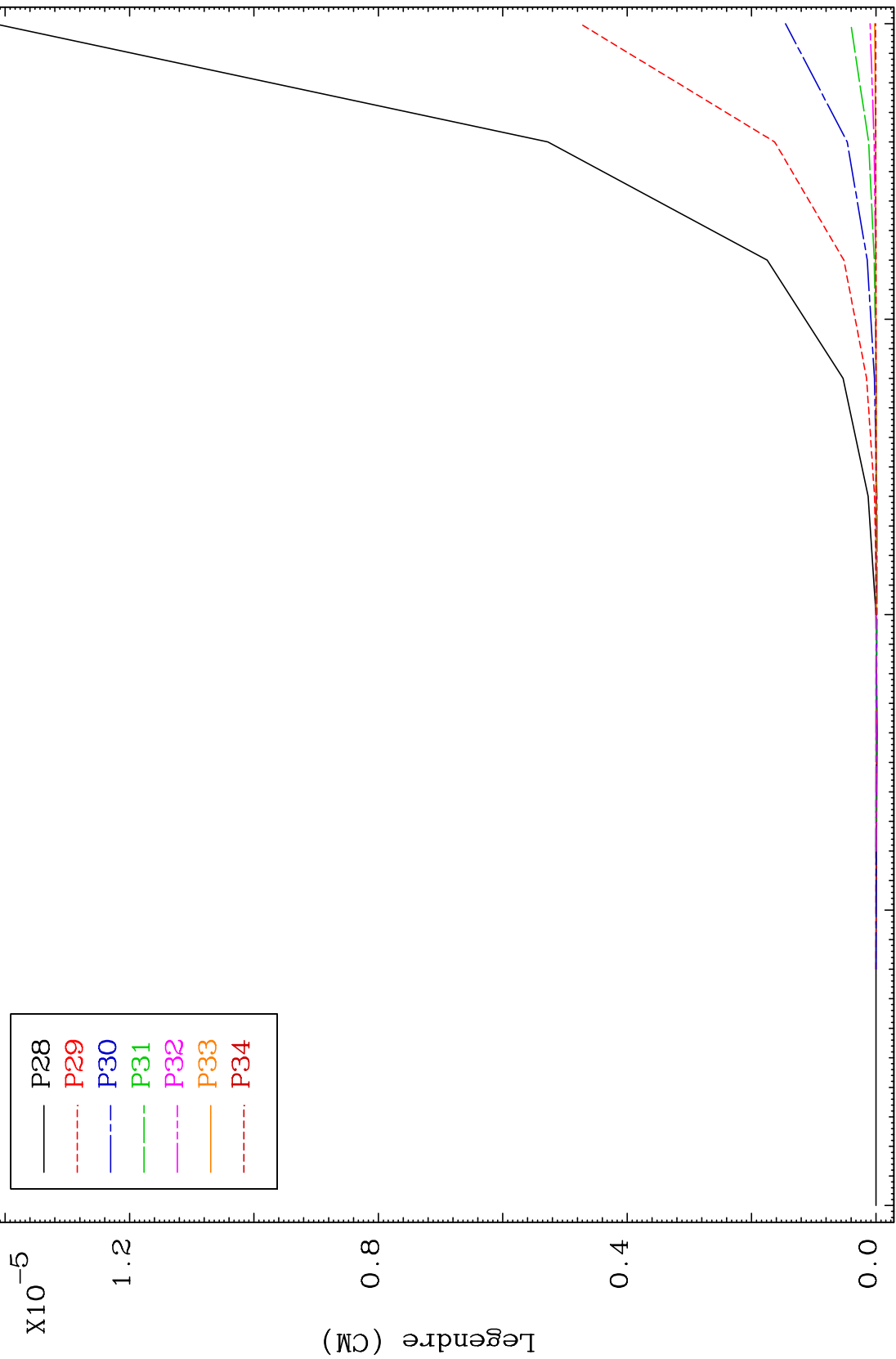
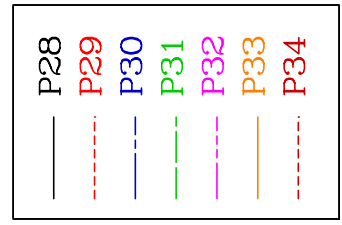
Incident Energy (MeV)

86-Rn-206

MAT 8610

Elastic Legendre Coefficients

86-Rn-206



17

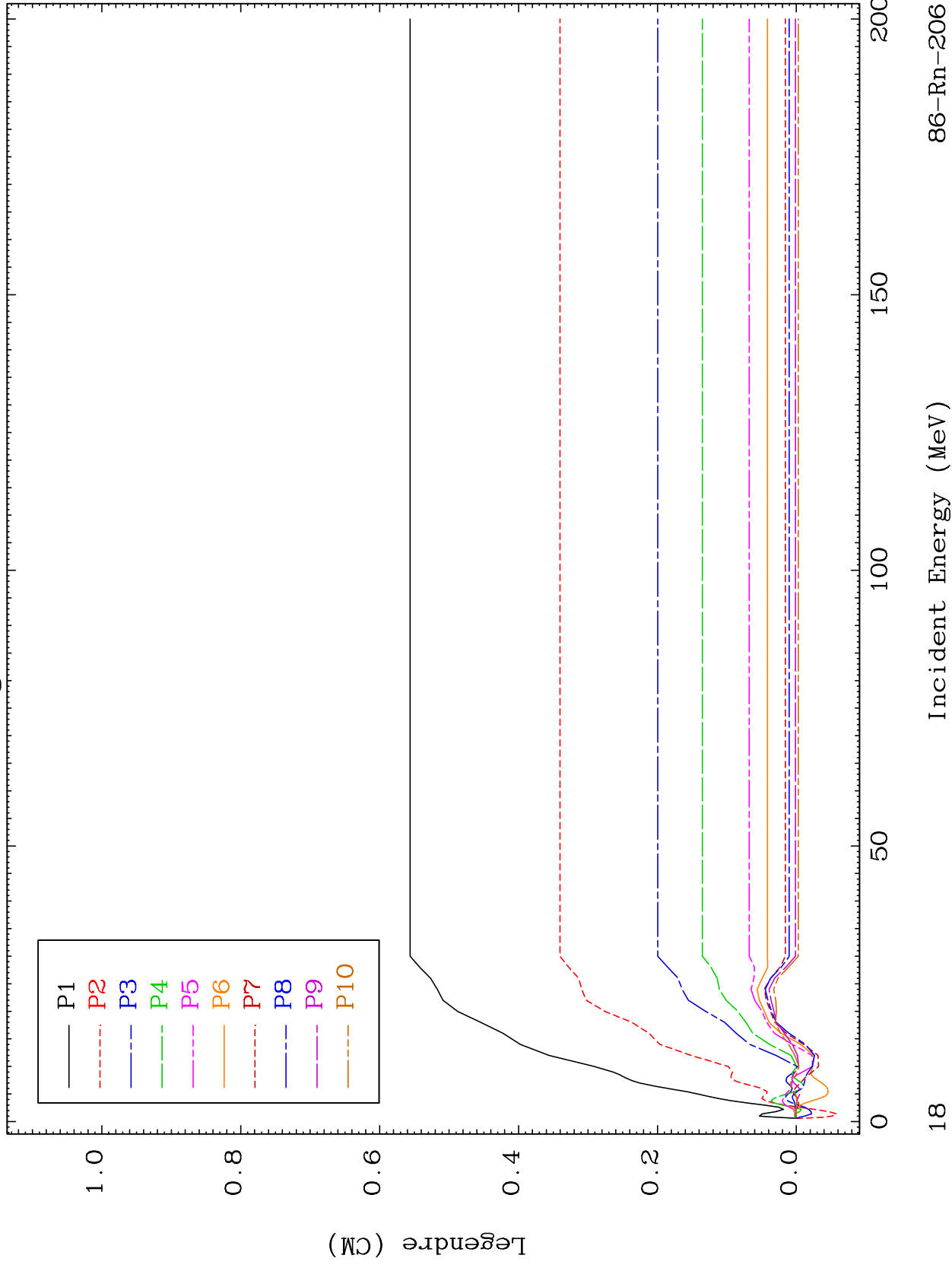
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

86-Rn-206



86-Rn-206

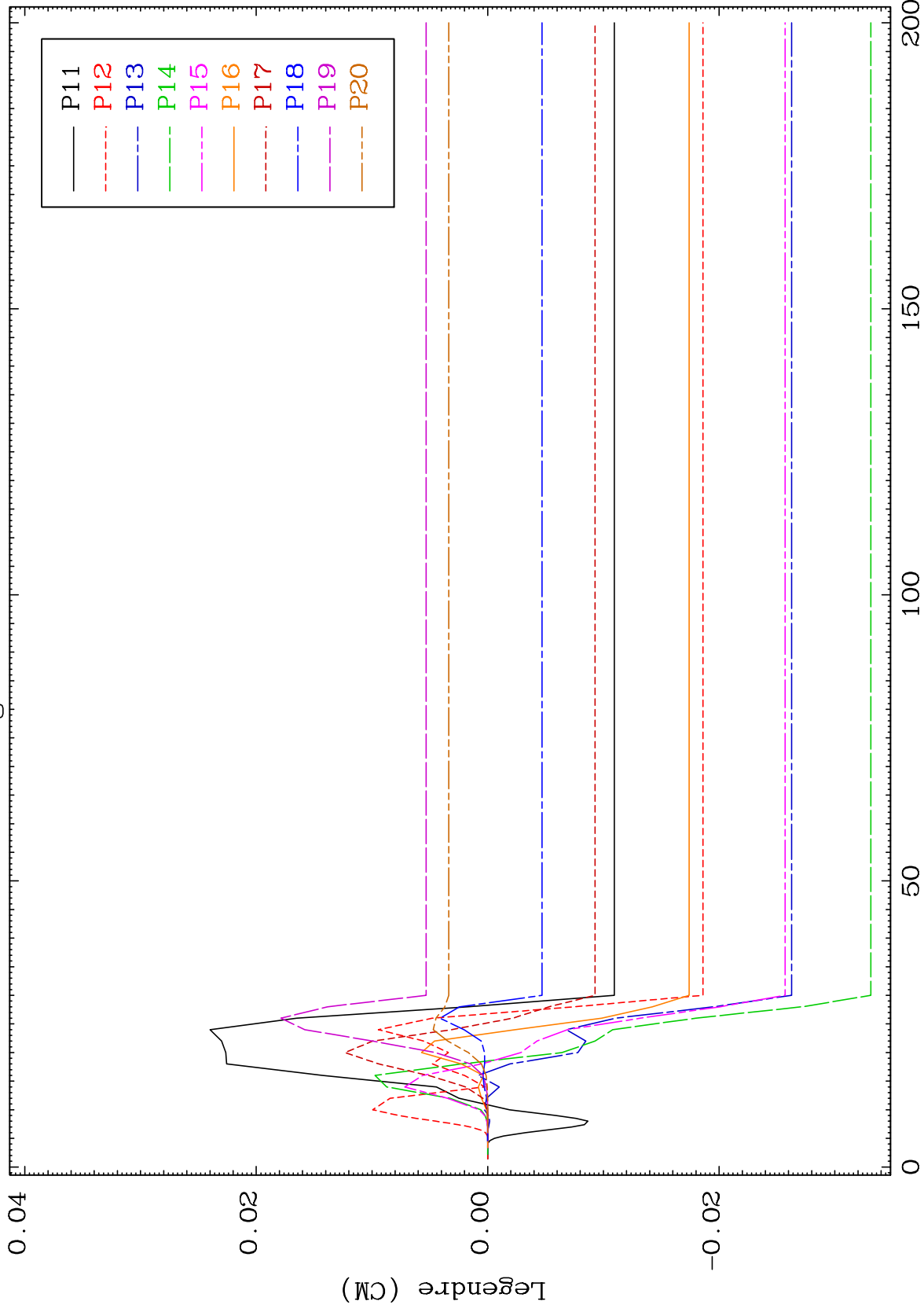
Incident Energy (MeV)

18

MAT 8610

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

86-Rn-206



19

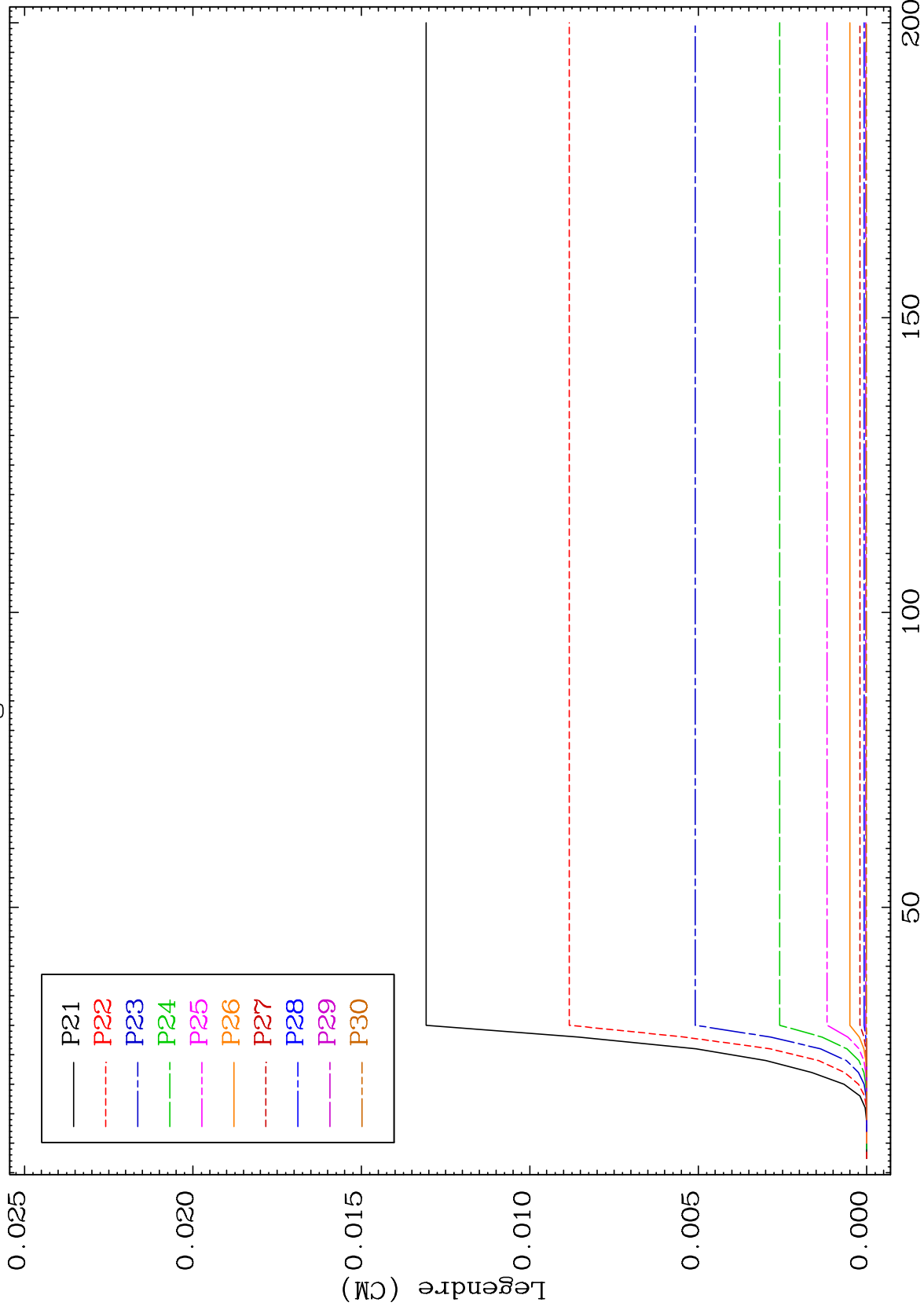
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

86-Rn-206



20

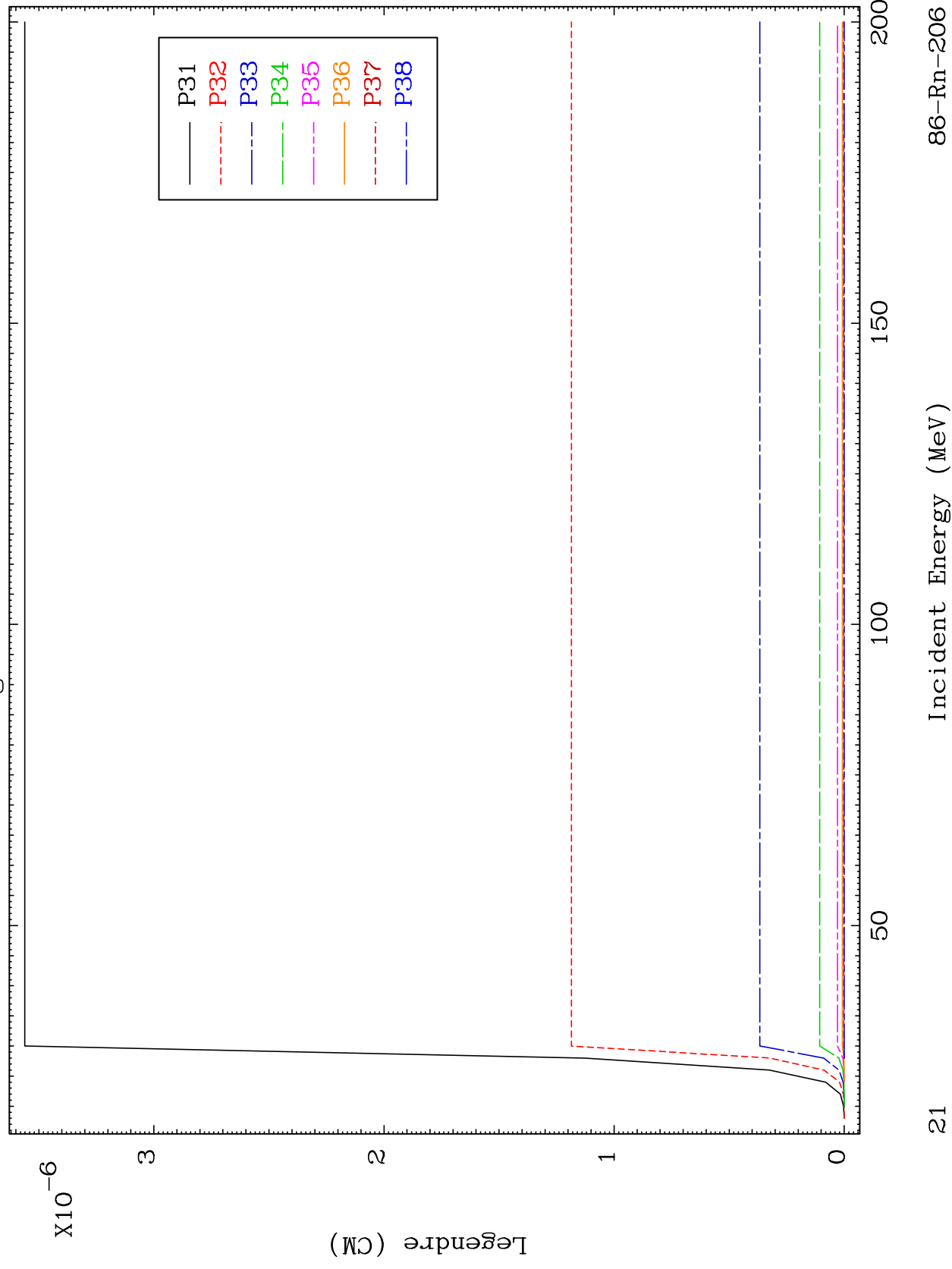
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

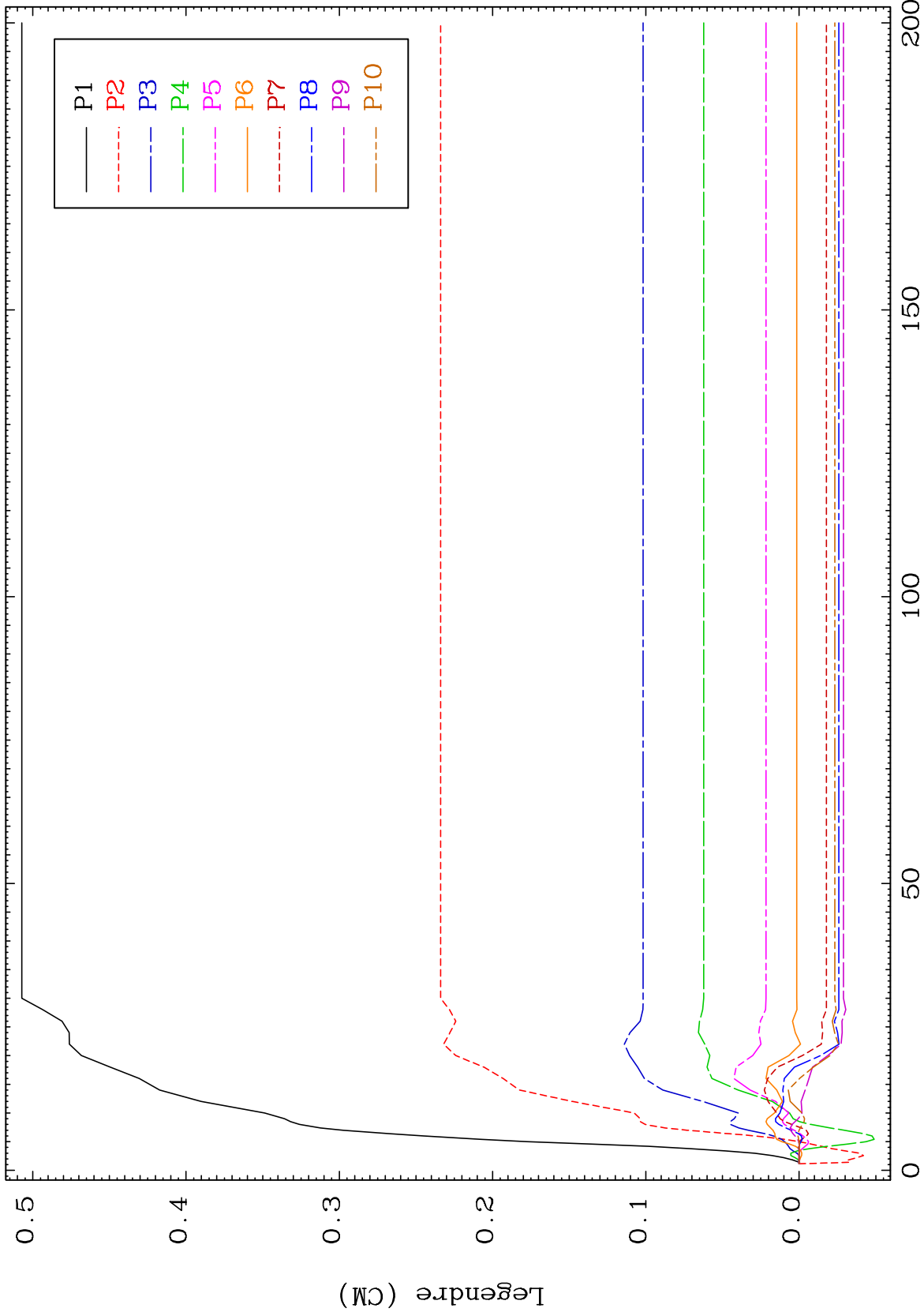
86-Rn-206



MAT 8610

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

86-Rn-206



22

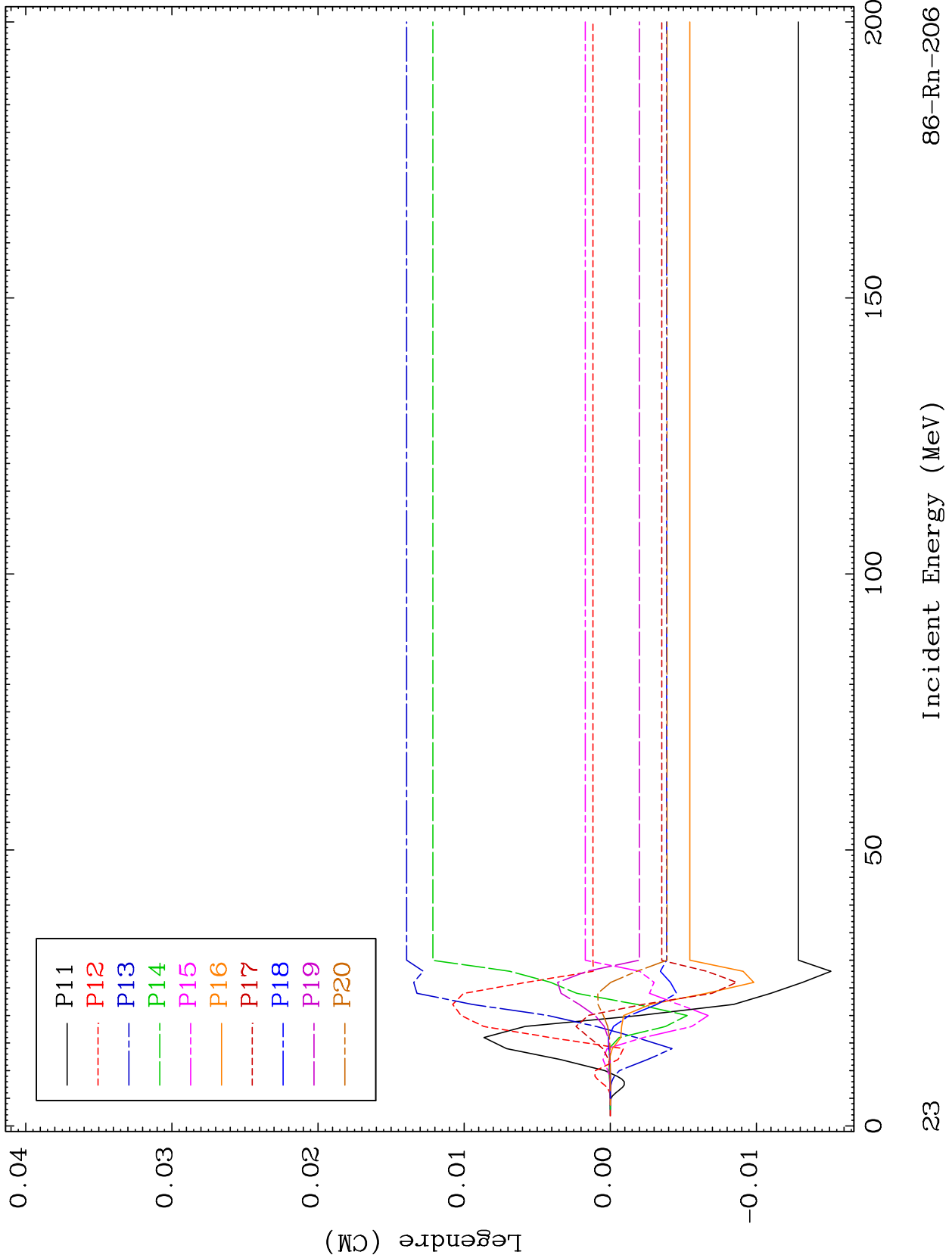
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

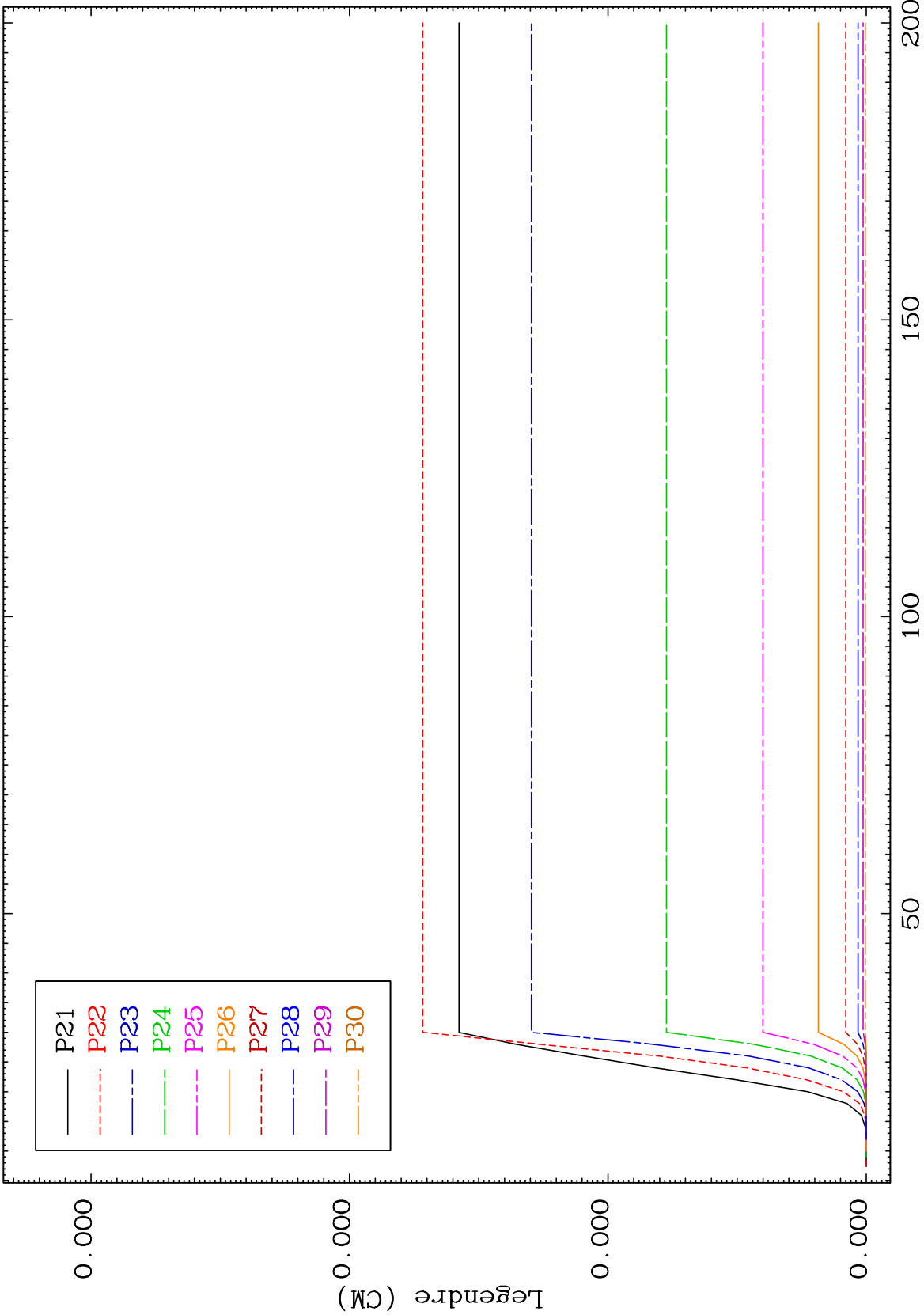
86-Rn-206



MAT 8610

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

86-Rn-206



24

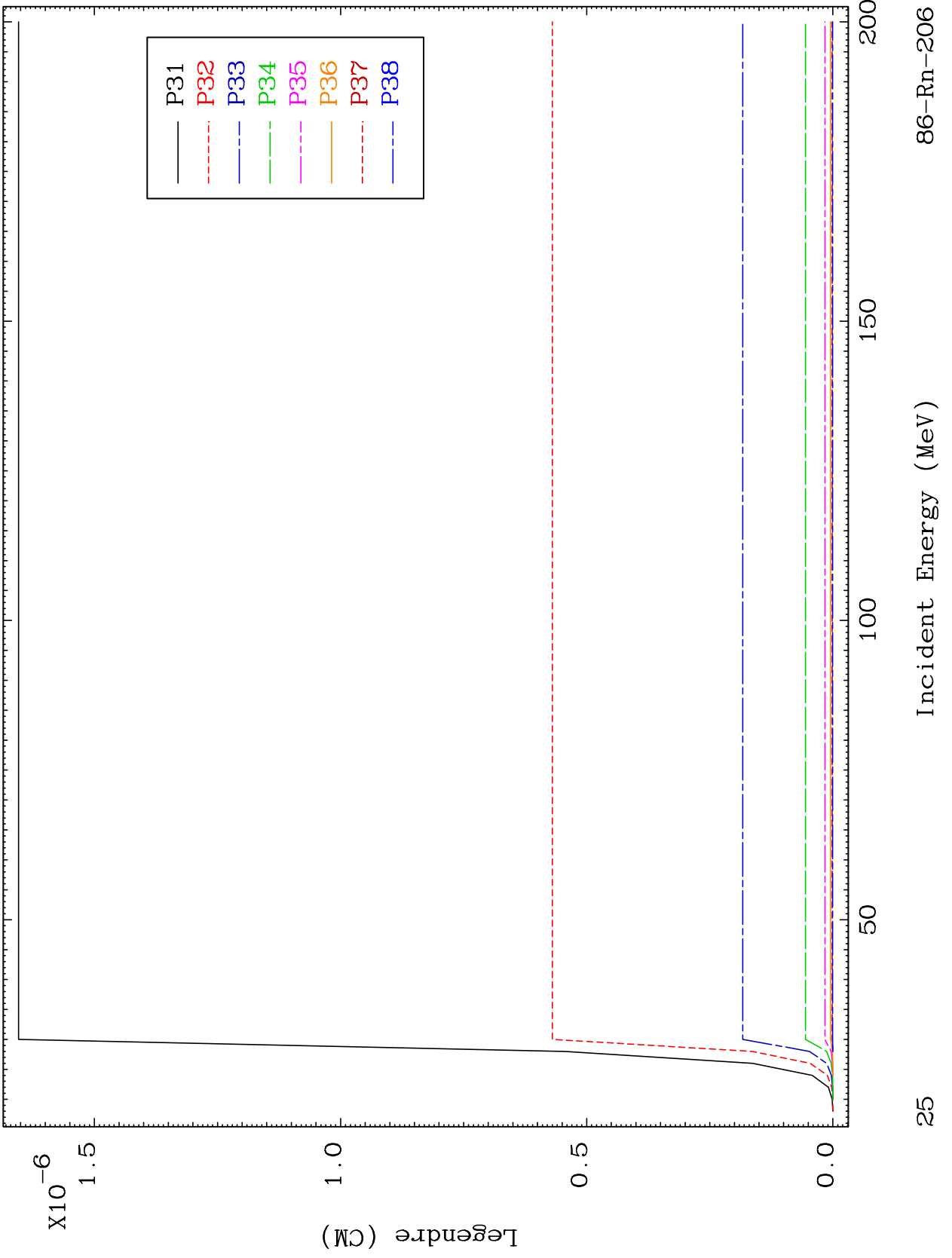
Incident Energy (MeV)

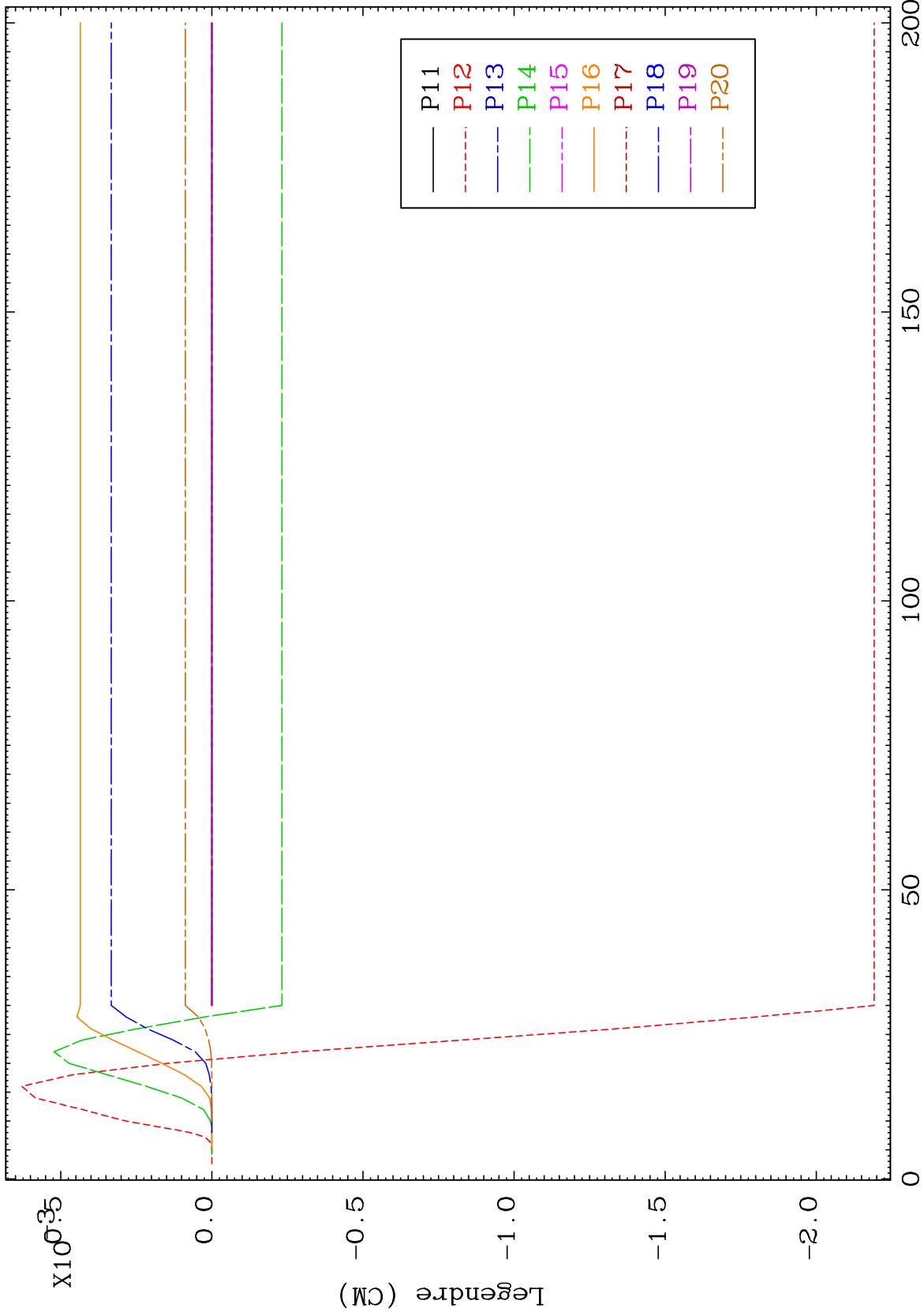
86-Rn-206

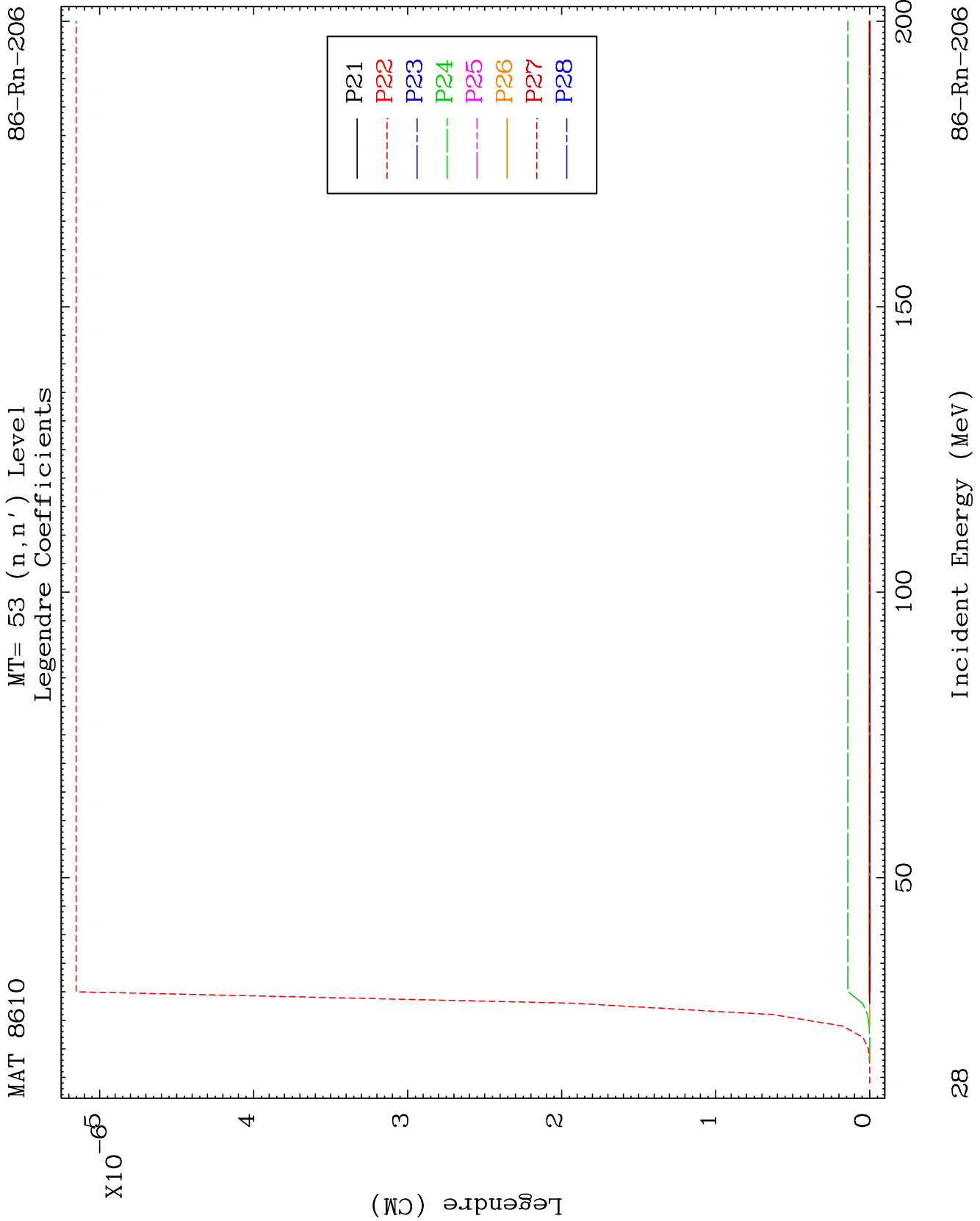
MAT 8610

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

86-Rn-206



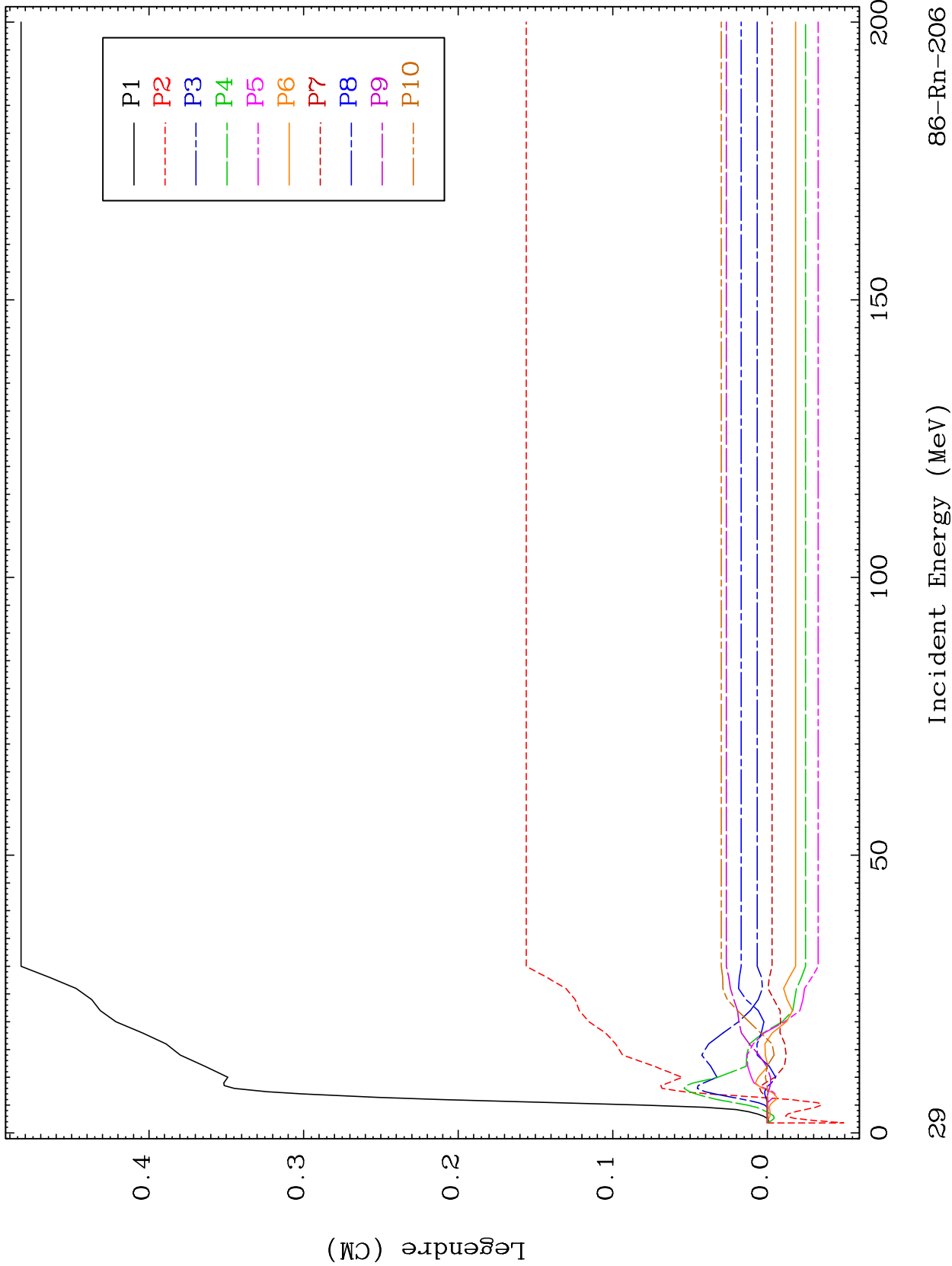




MAT 8610

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

86-Rn-206



29

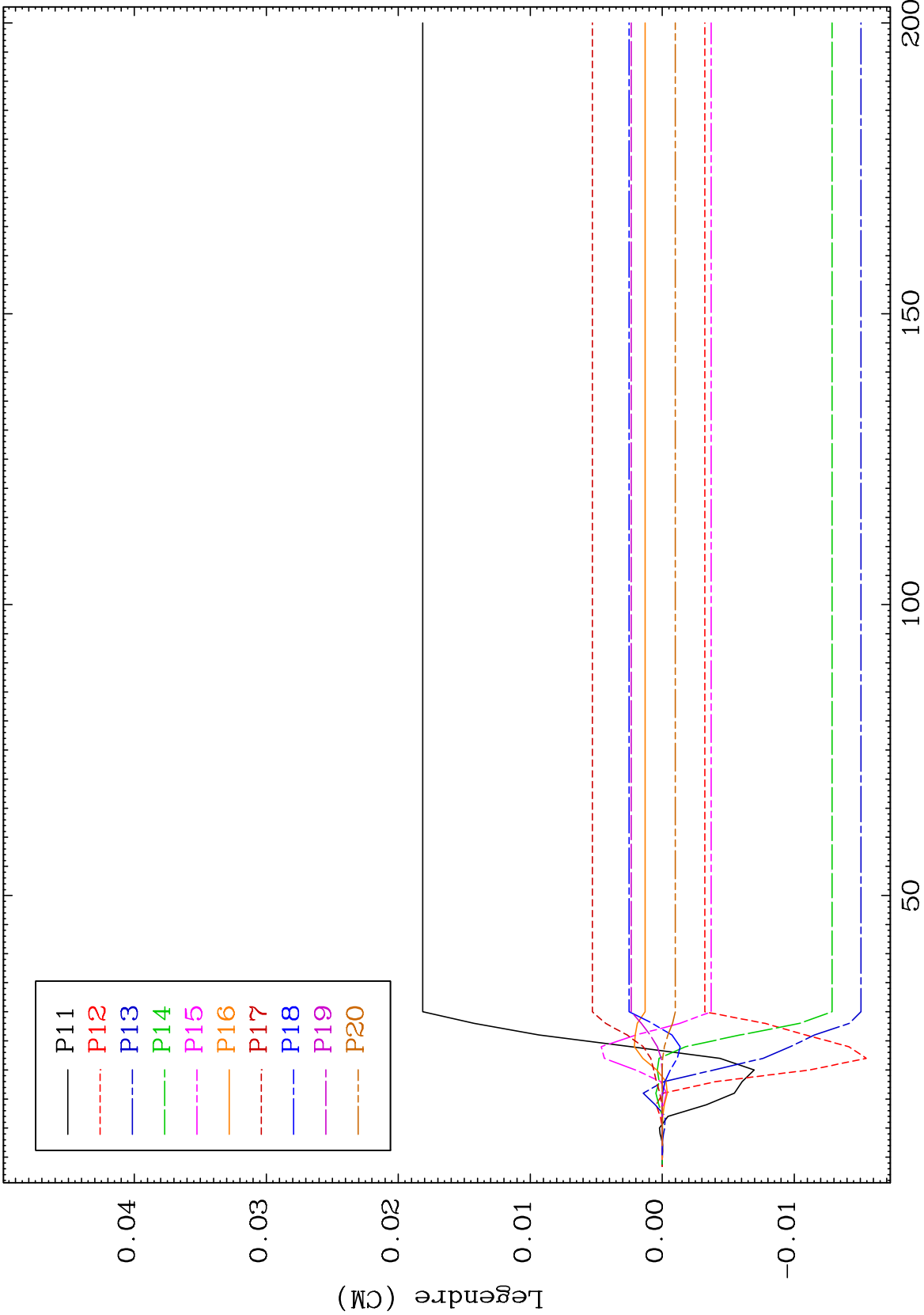
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

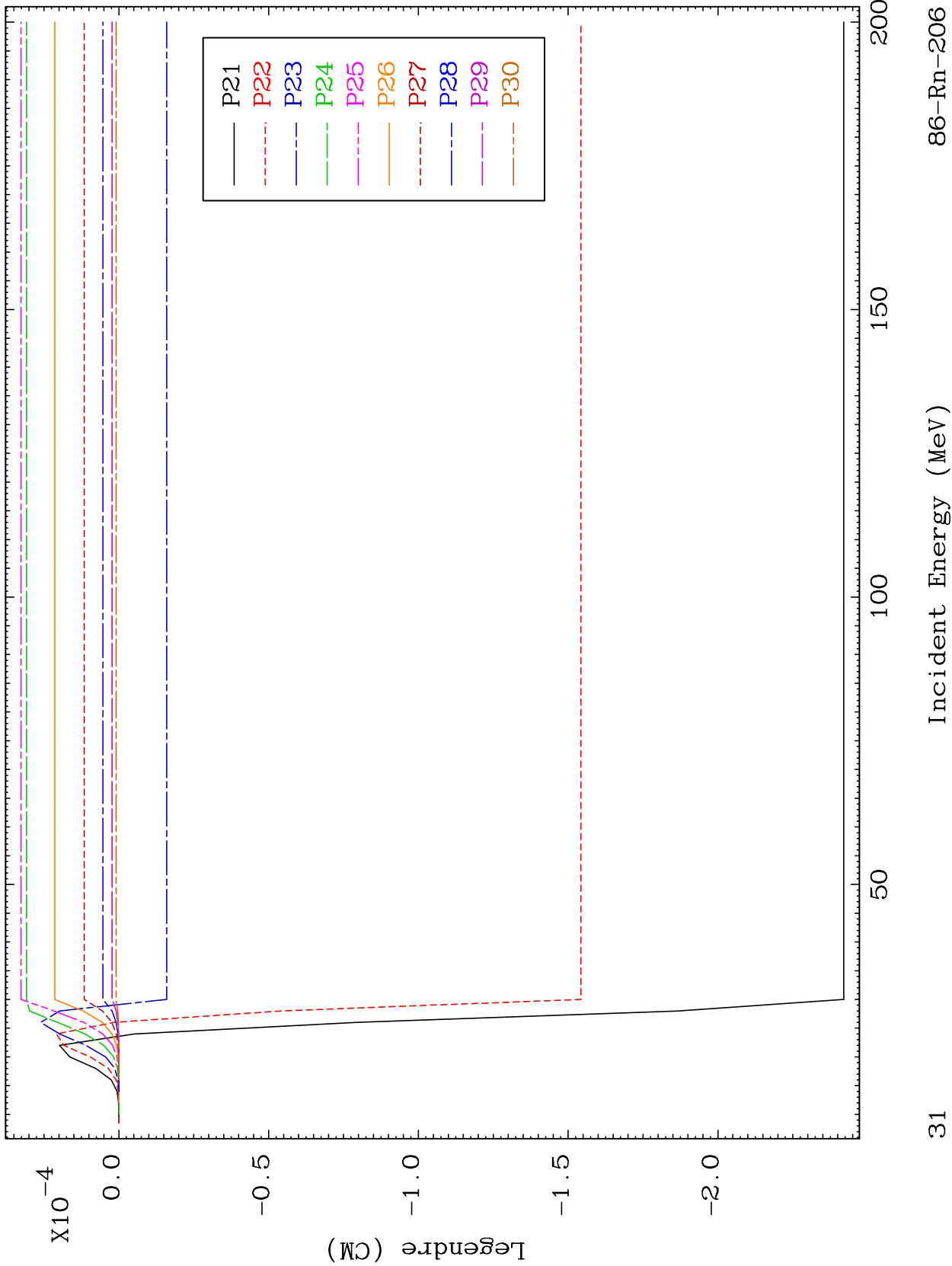
86-Rn-206



30

Incident Energy (MeV)

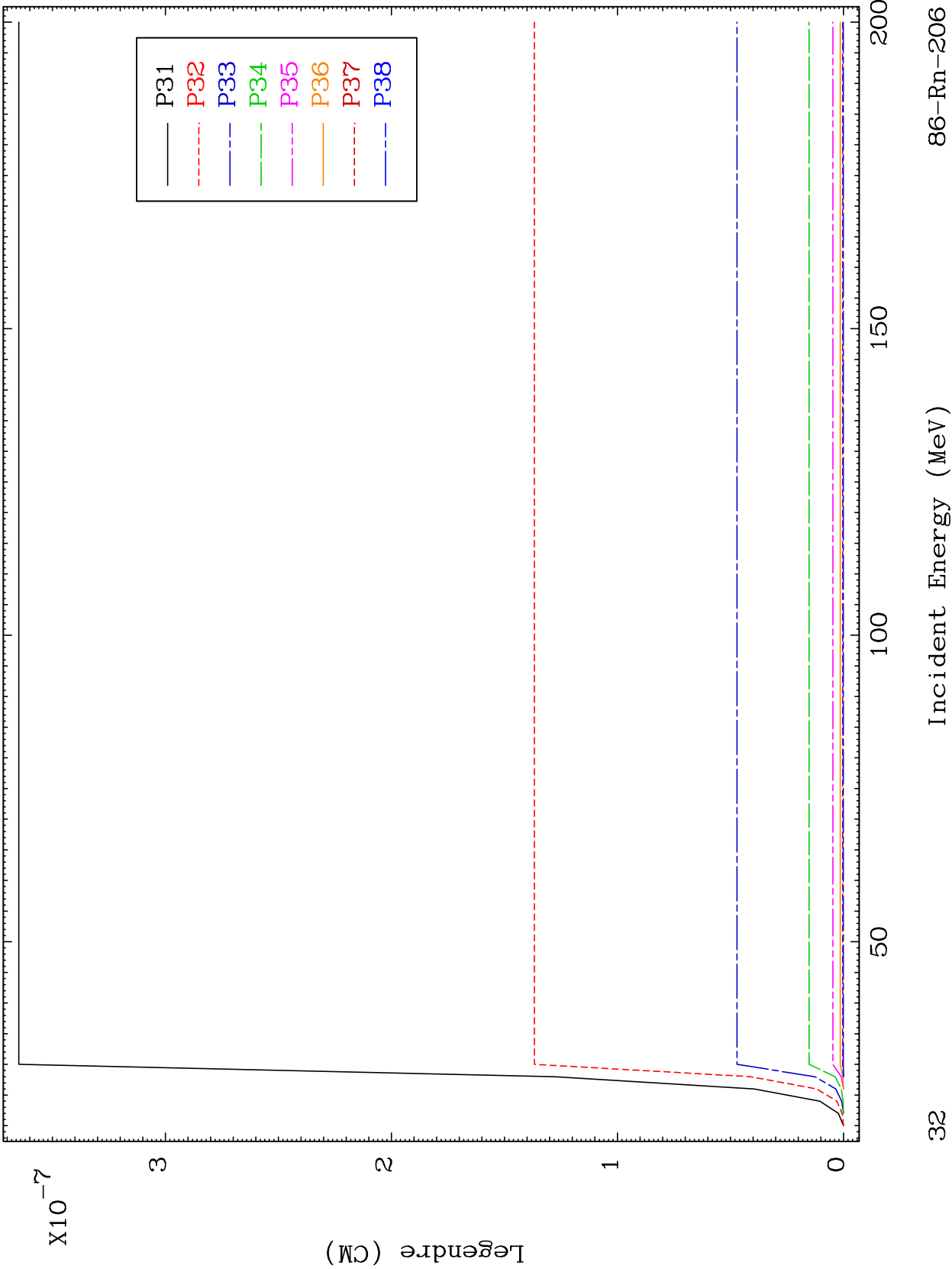
86-Rn-206



MAT 8610

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

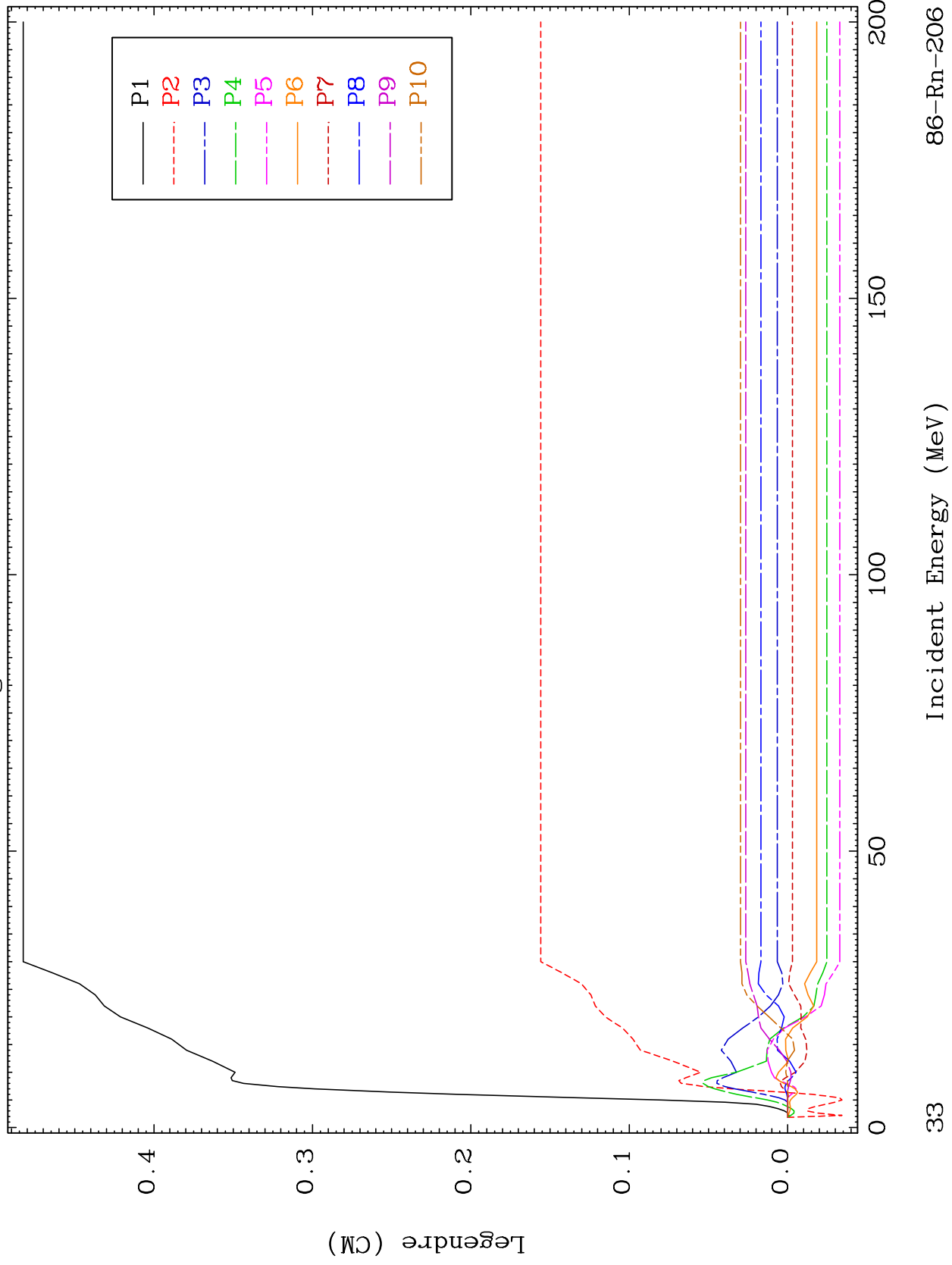
86-Rn-206



MAT 8610

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

86-Rn-206



86-Rn-206

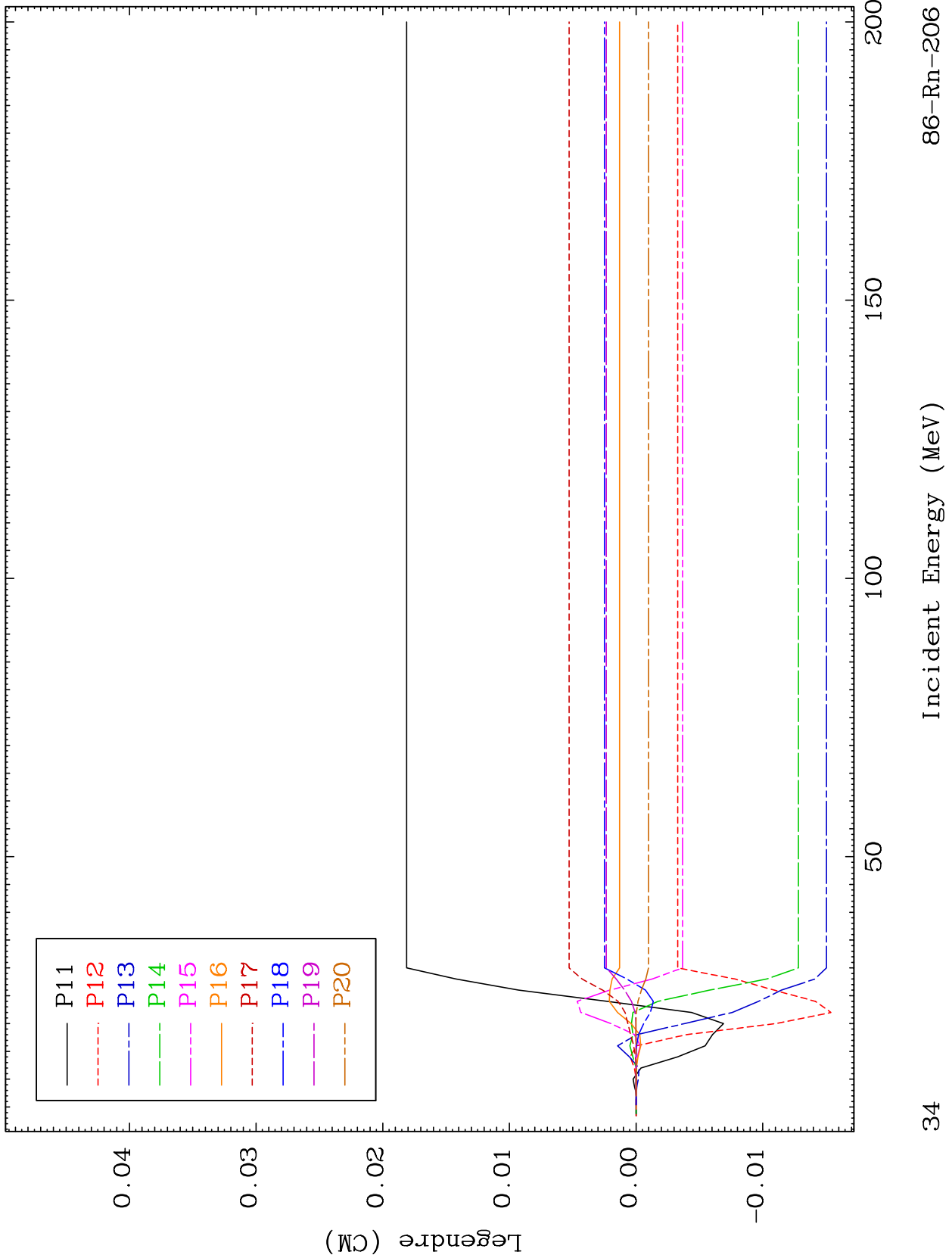
Incident Energy (MeV)

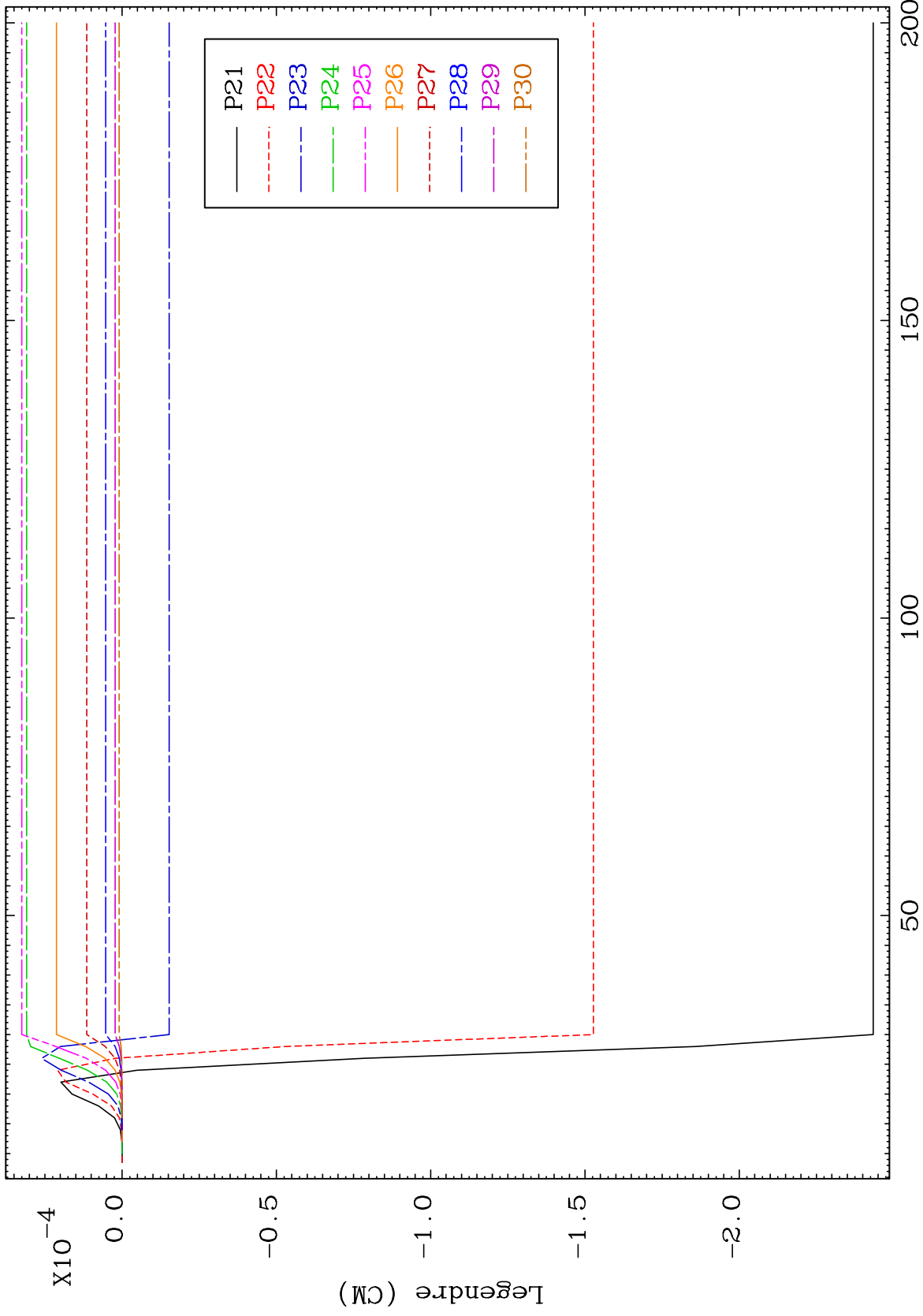
33

MAT 8610

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

86-Rn-206

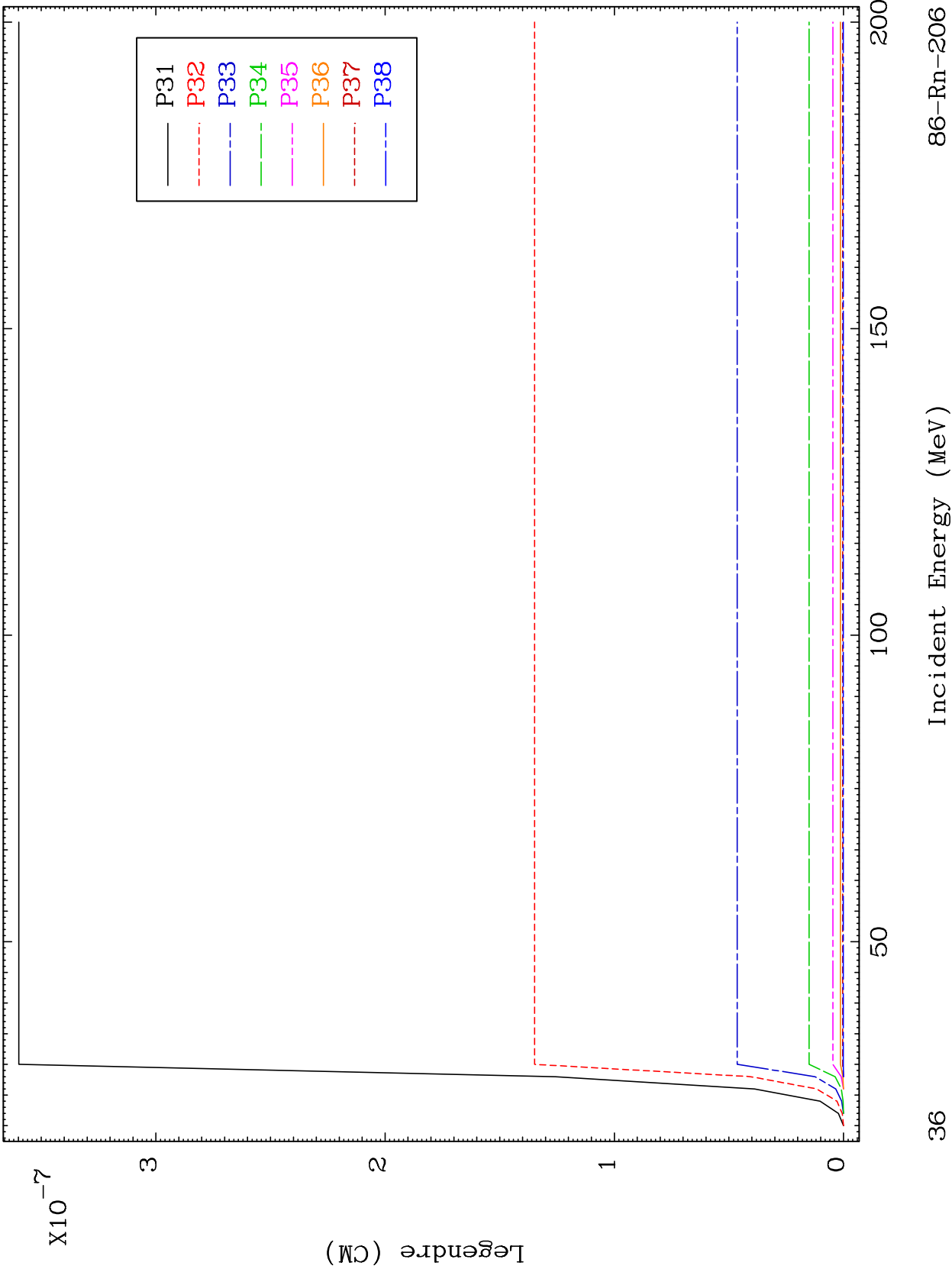




MAT 8610

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

86-Rn-206

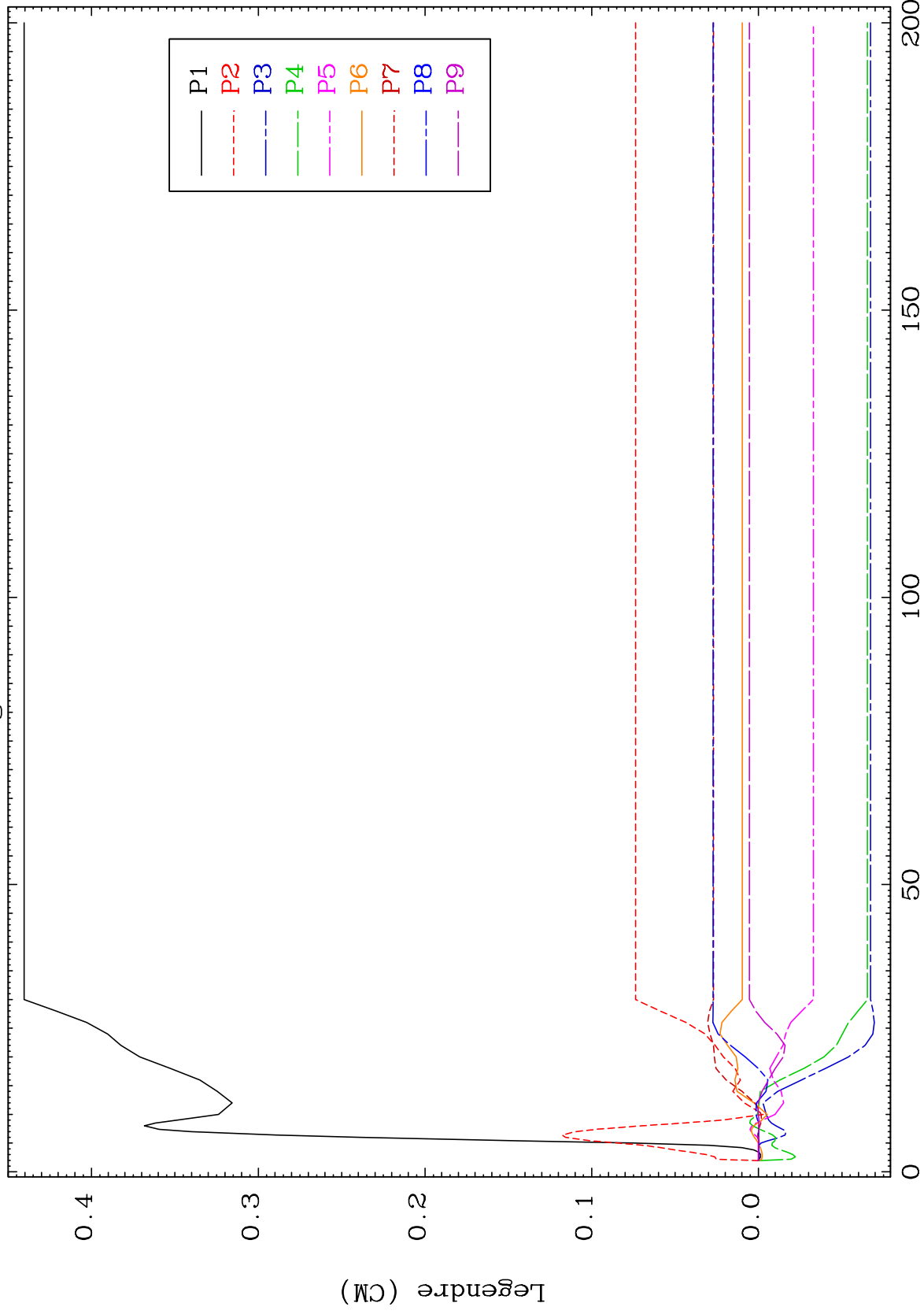


36

MAT 8610

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

86-Rn-206



37

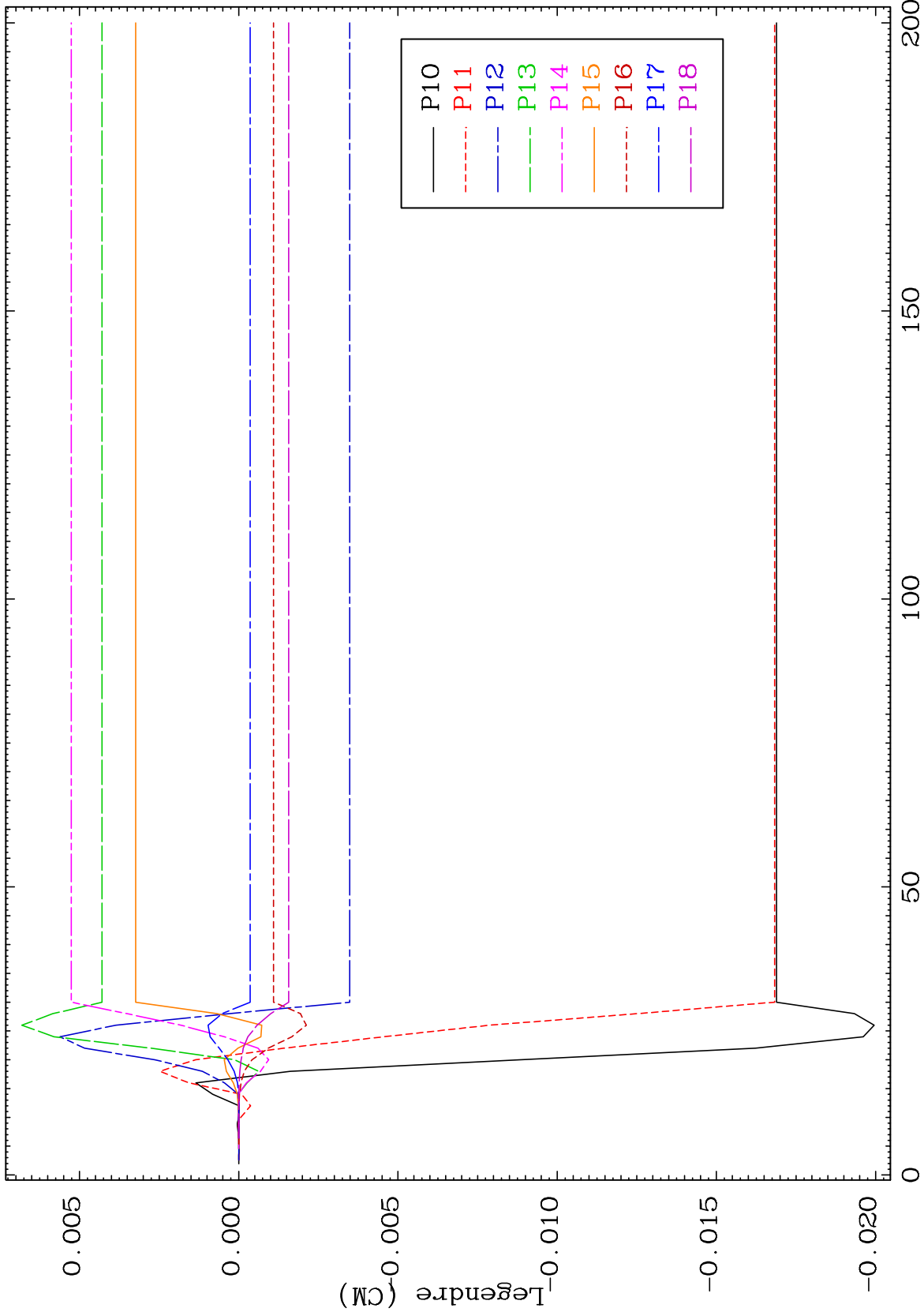
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

86-Rn-206



38

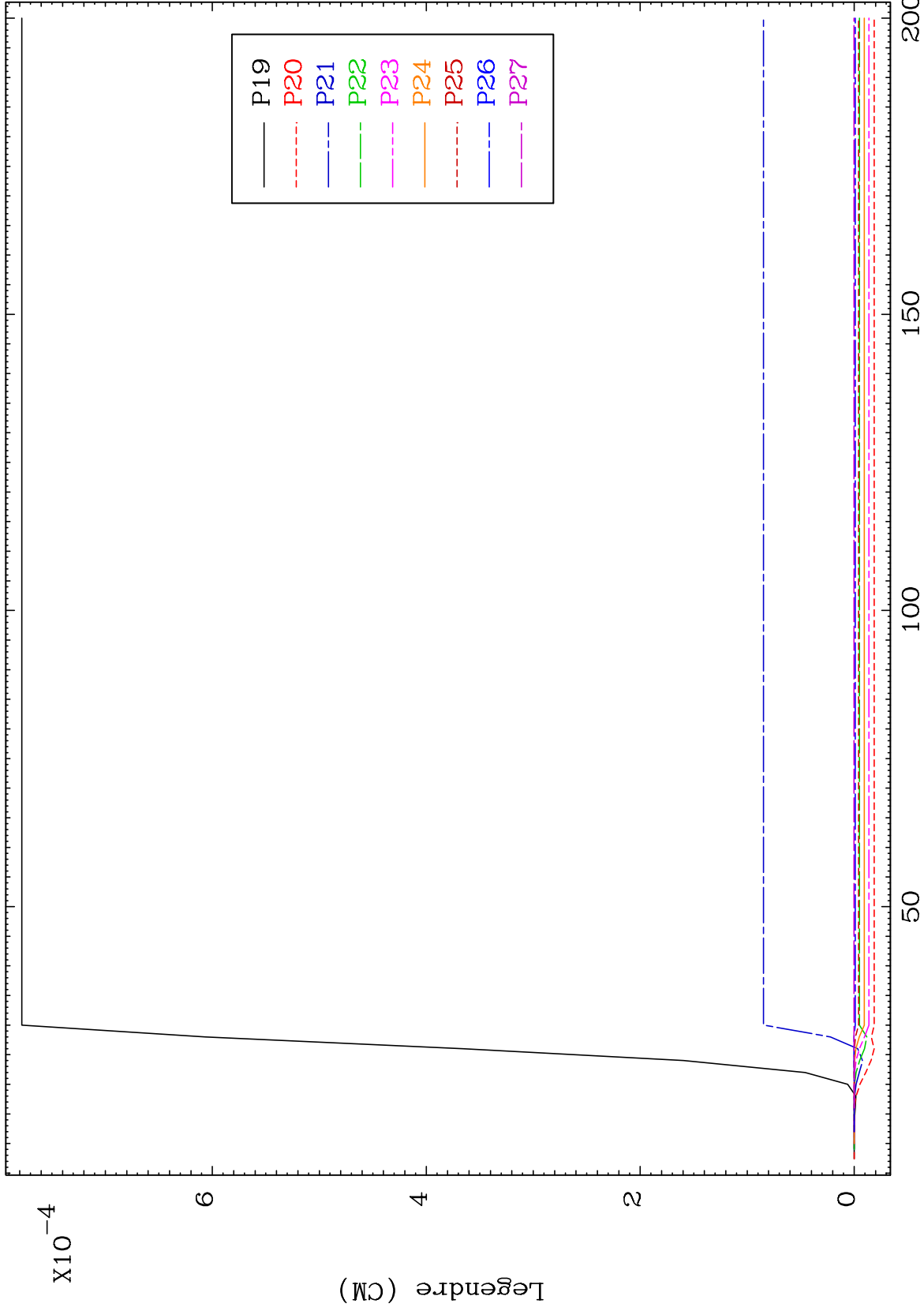
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

86-Rn-206



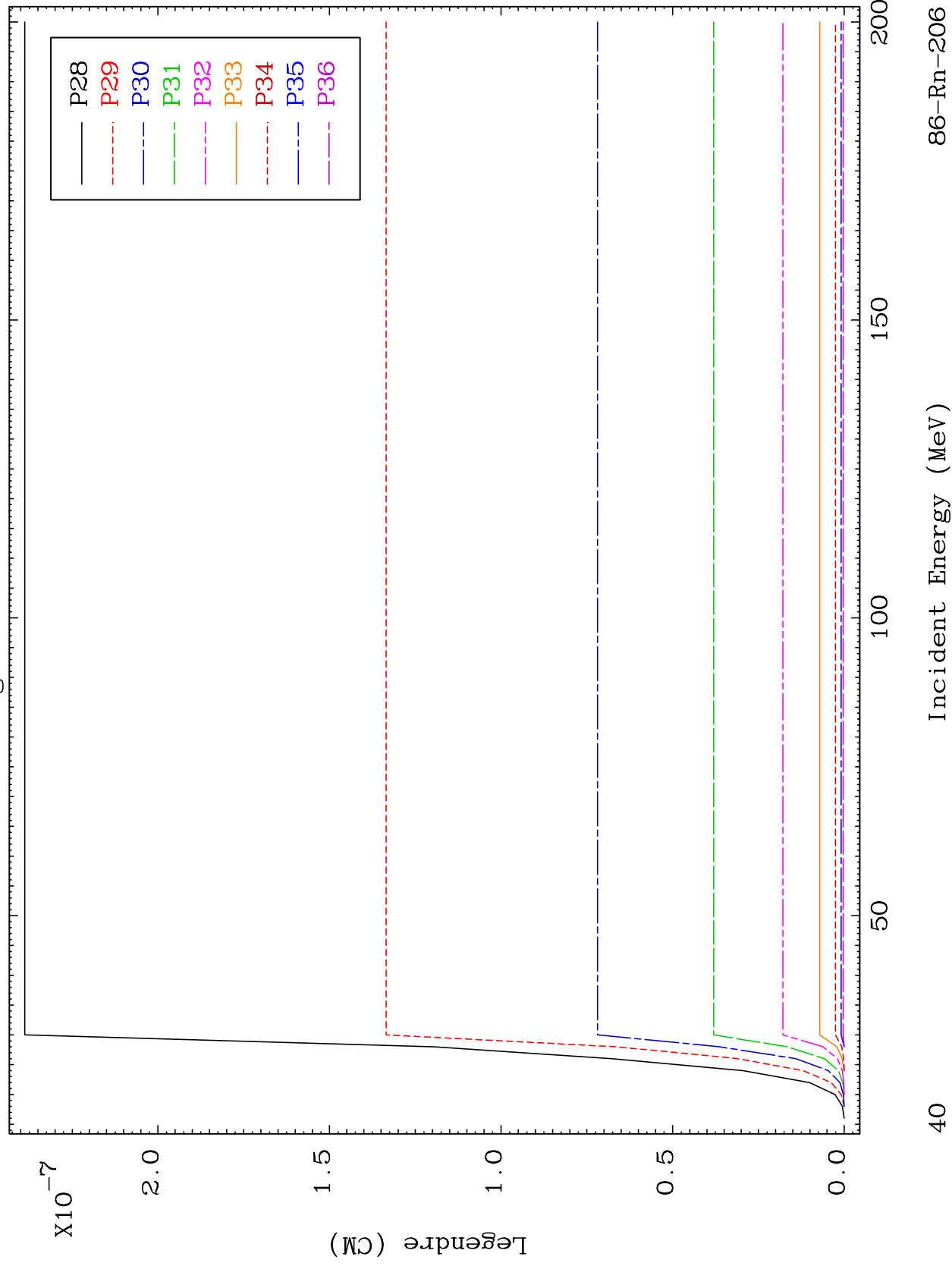
39

86-Rn-206

MAT 8610

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

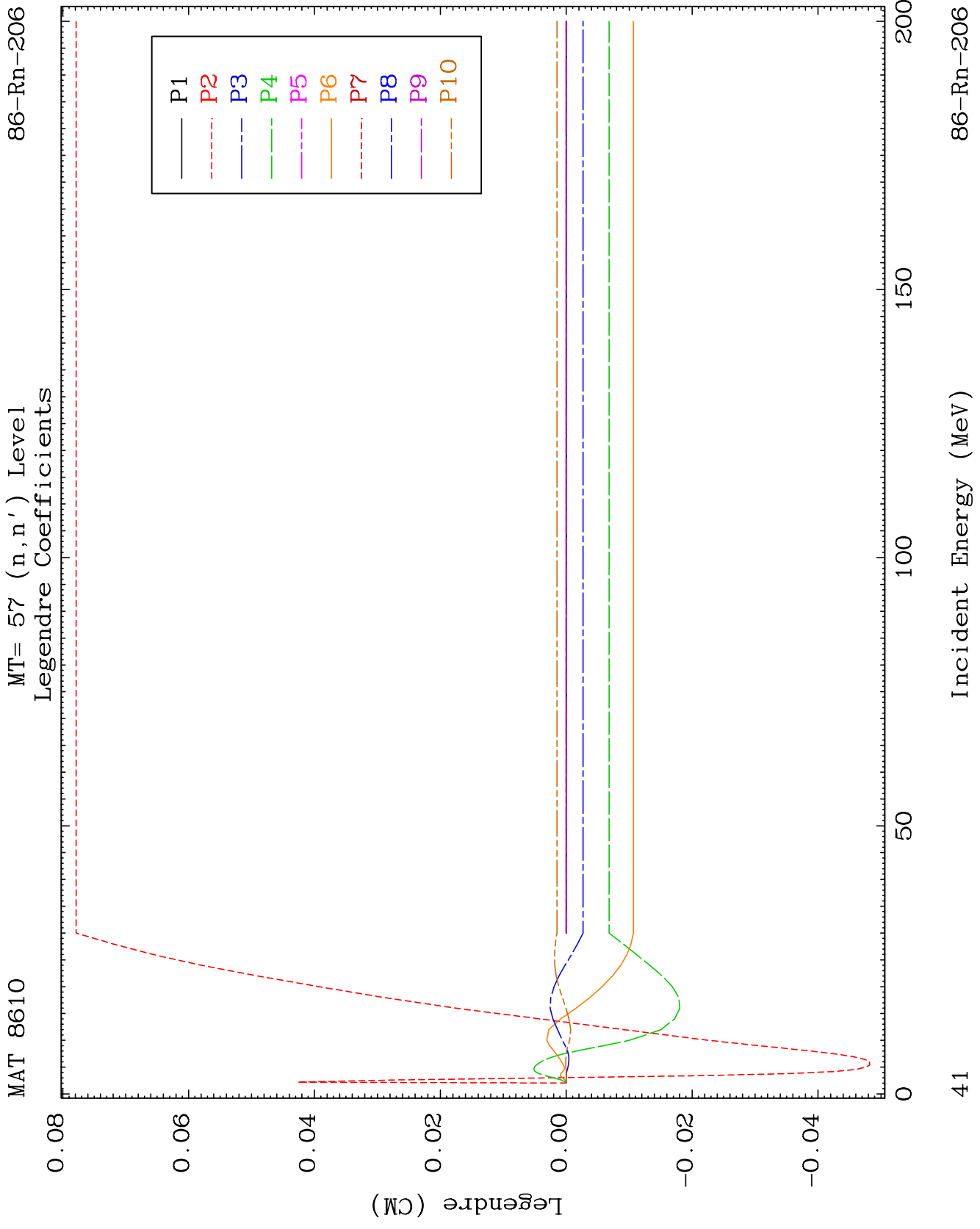
86-Rn-206



40

Incident Energy (MeV)

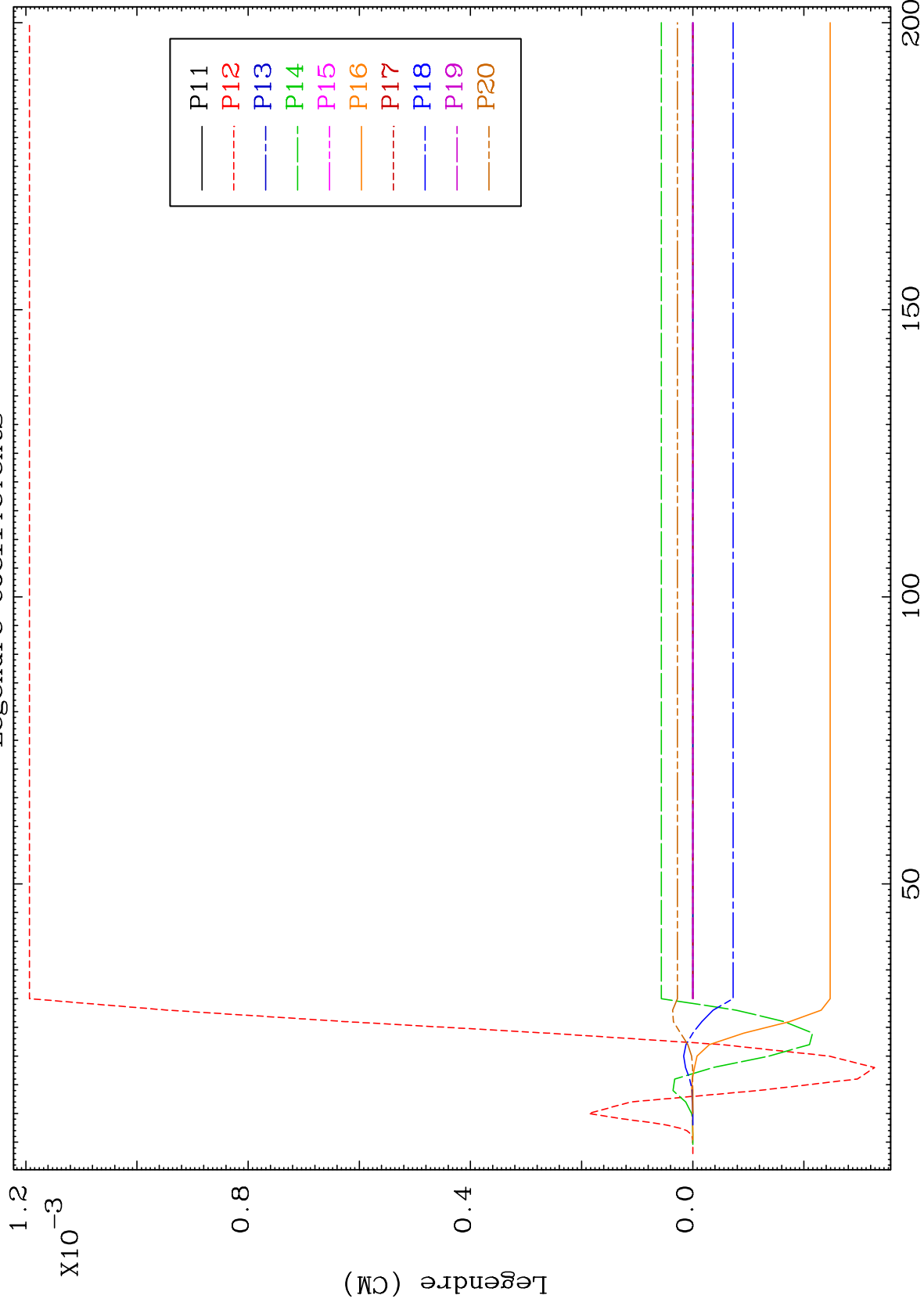
86-Rn-206



MAT 8610

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

86-Rn-206



42

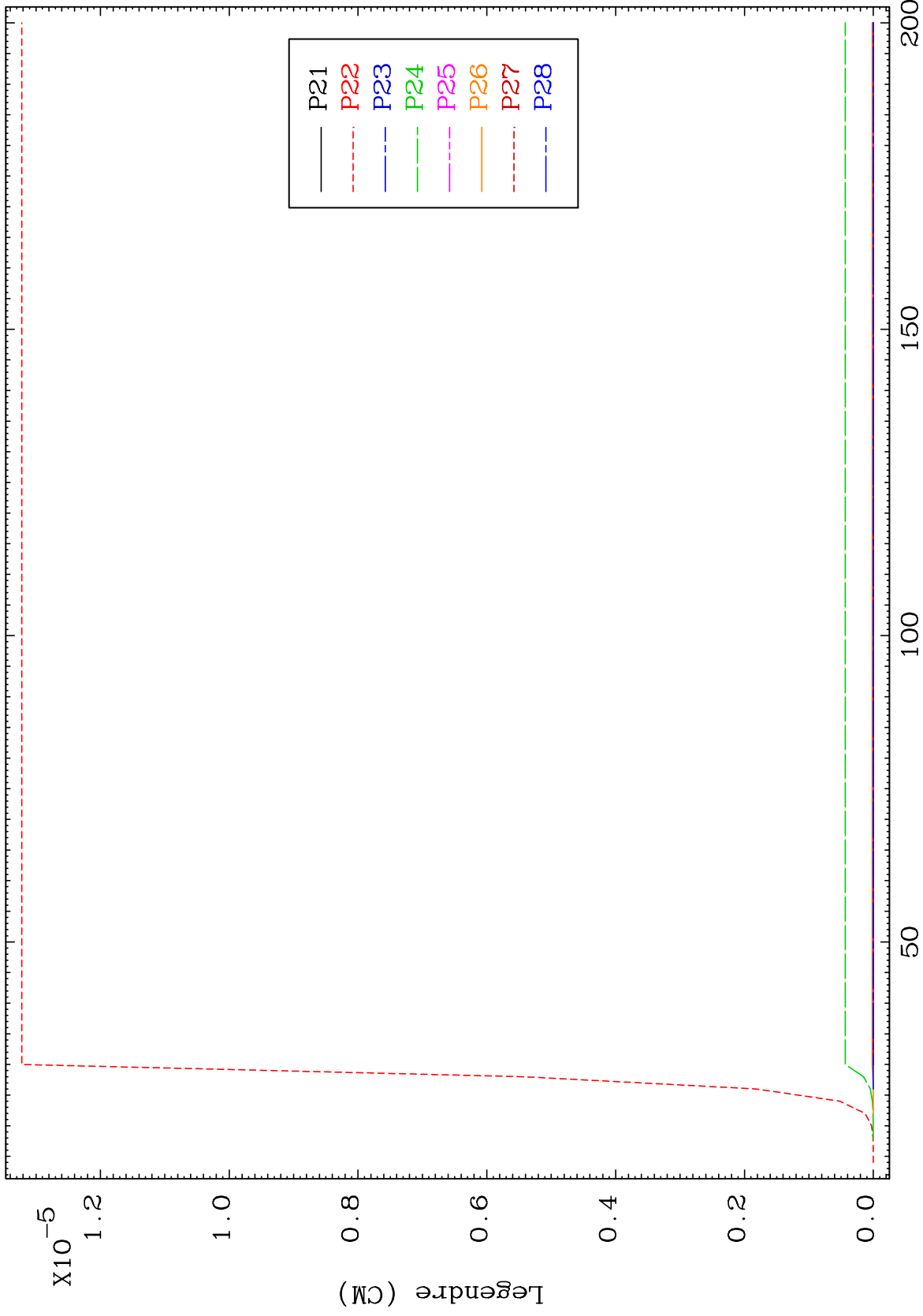
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

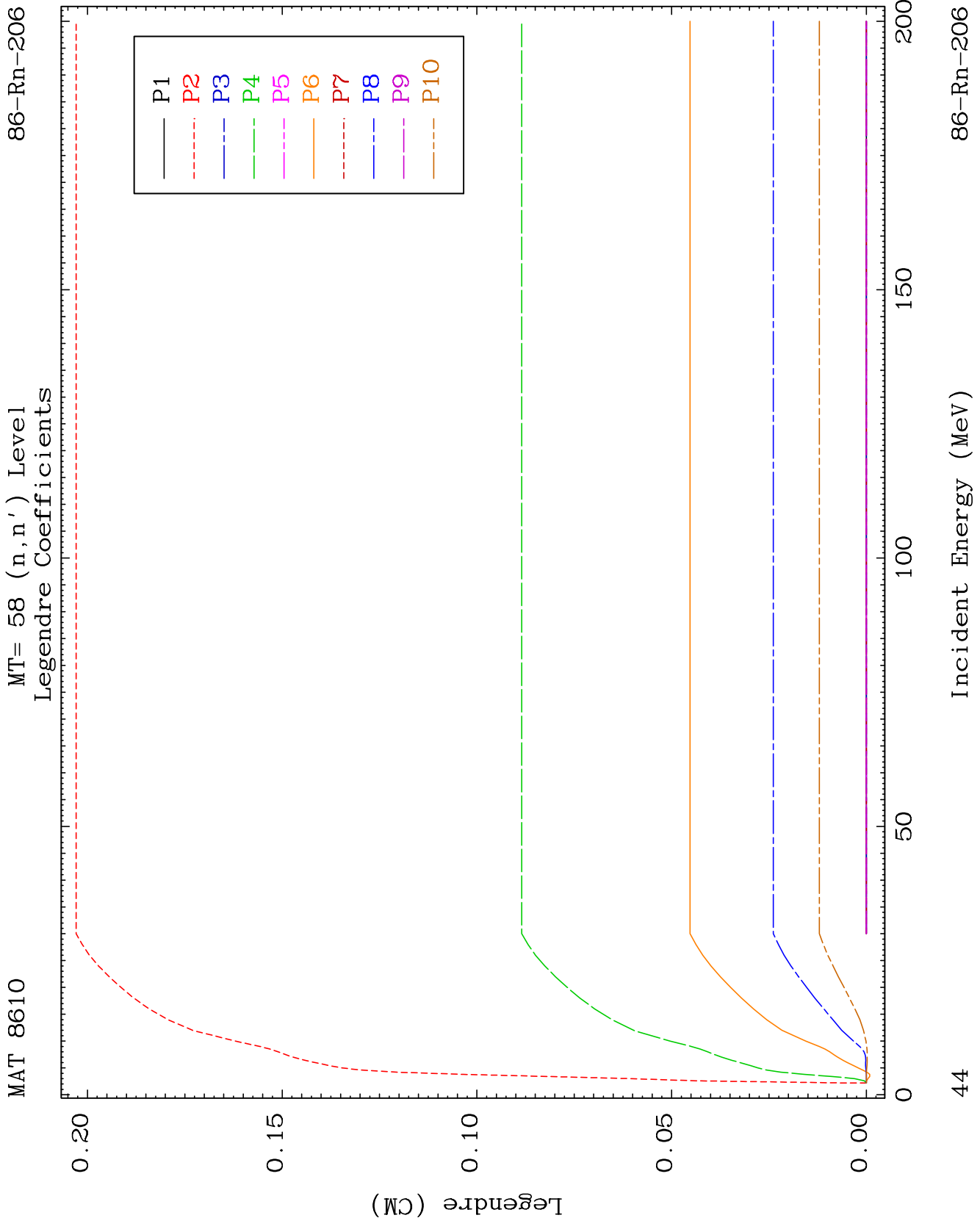
86-Rn-206



43

Incident Energy (MeV)

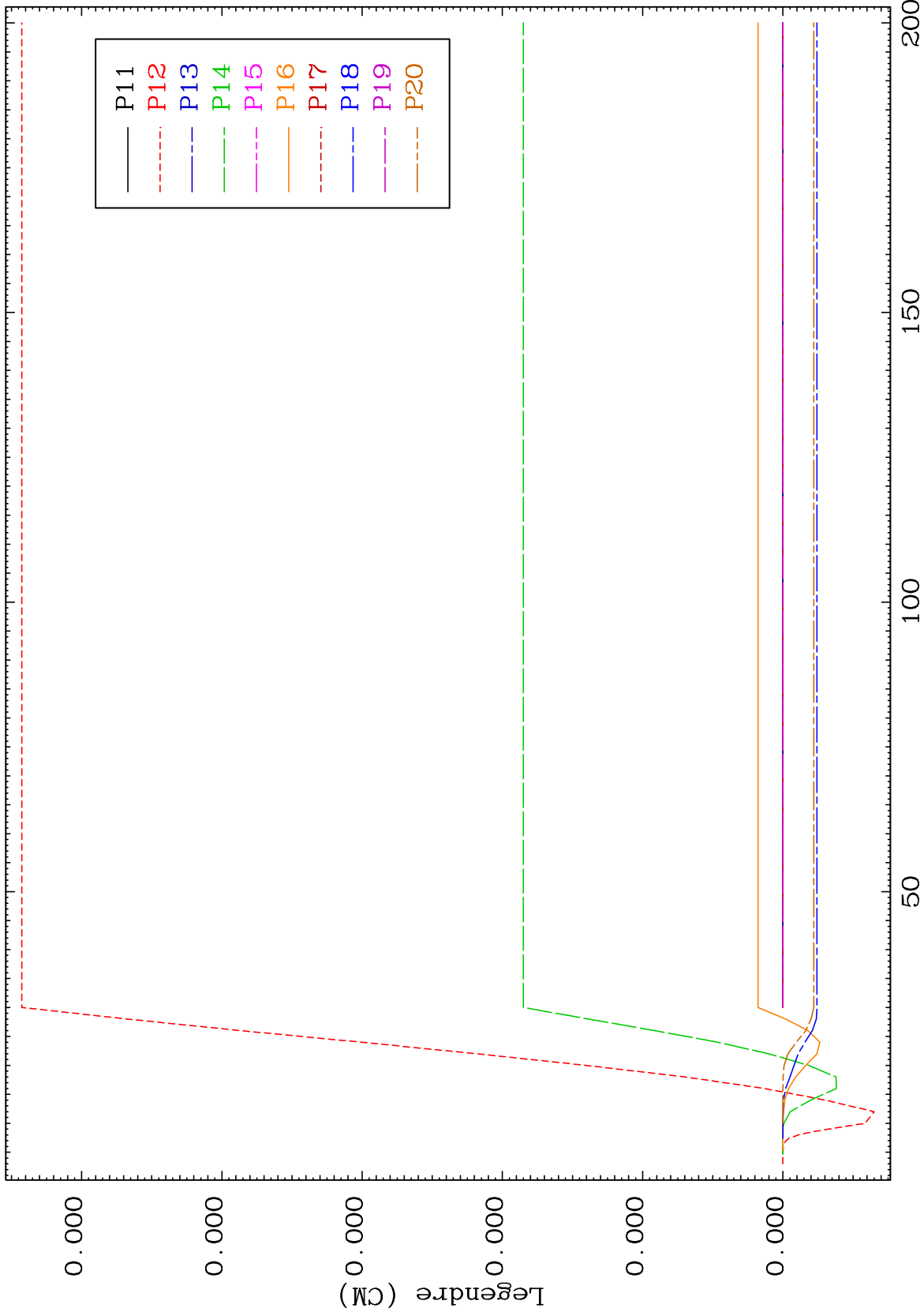
86-Rn-206



MAT 8610

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

86-Rn-206



45

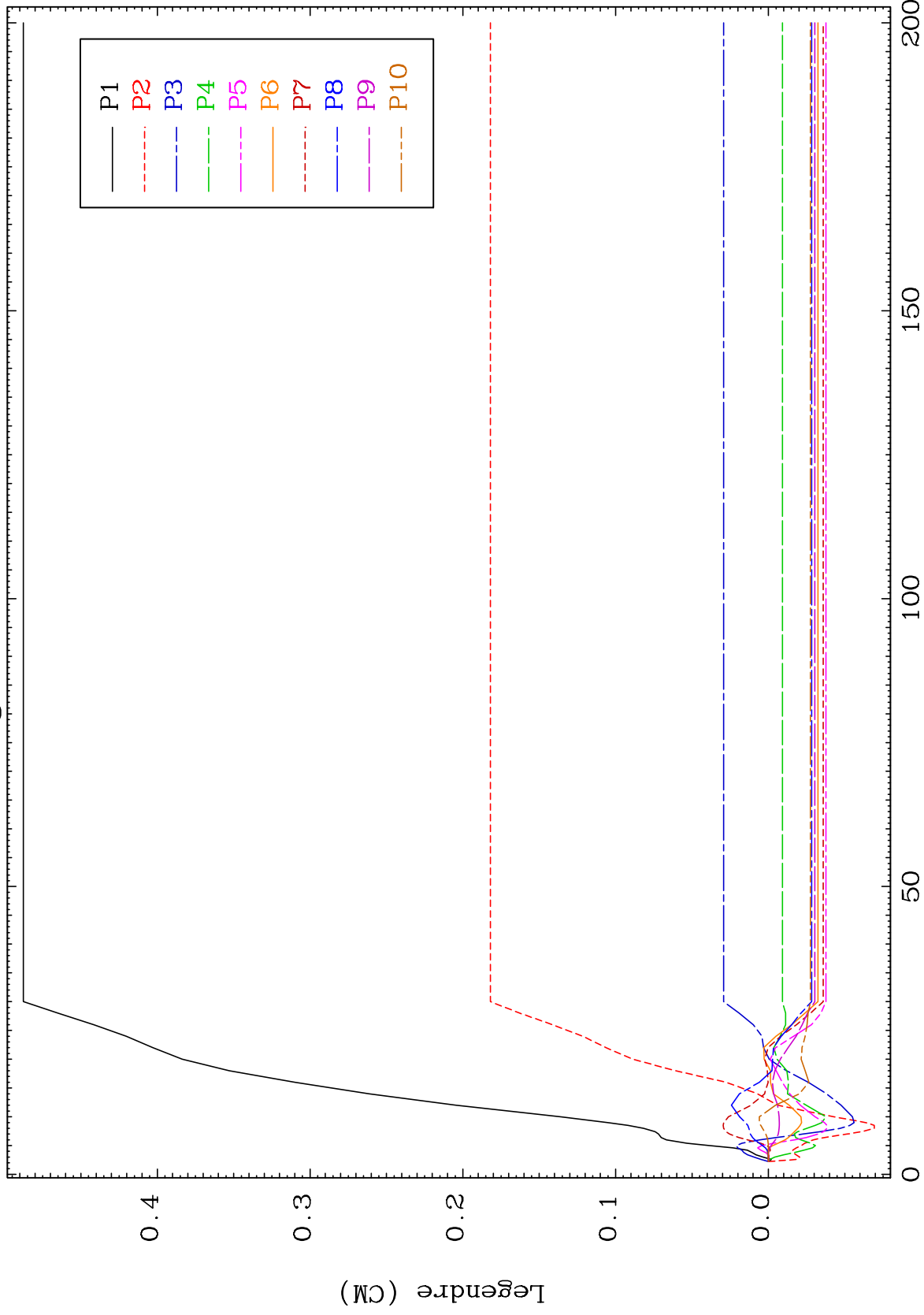
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

86-Rn-206



47

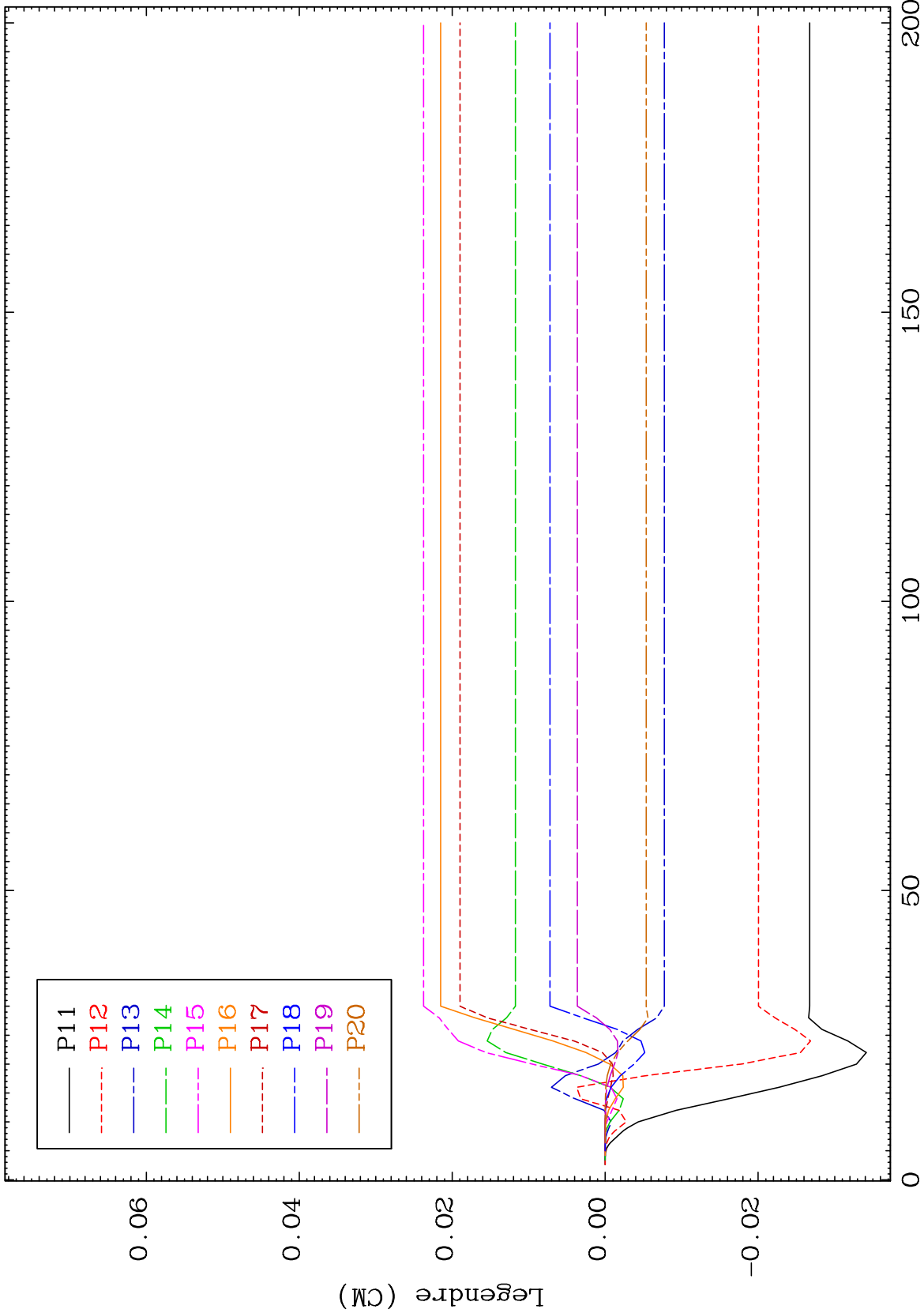
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

86-Rn-206



48

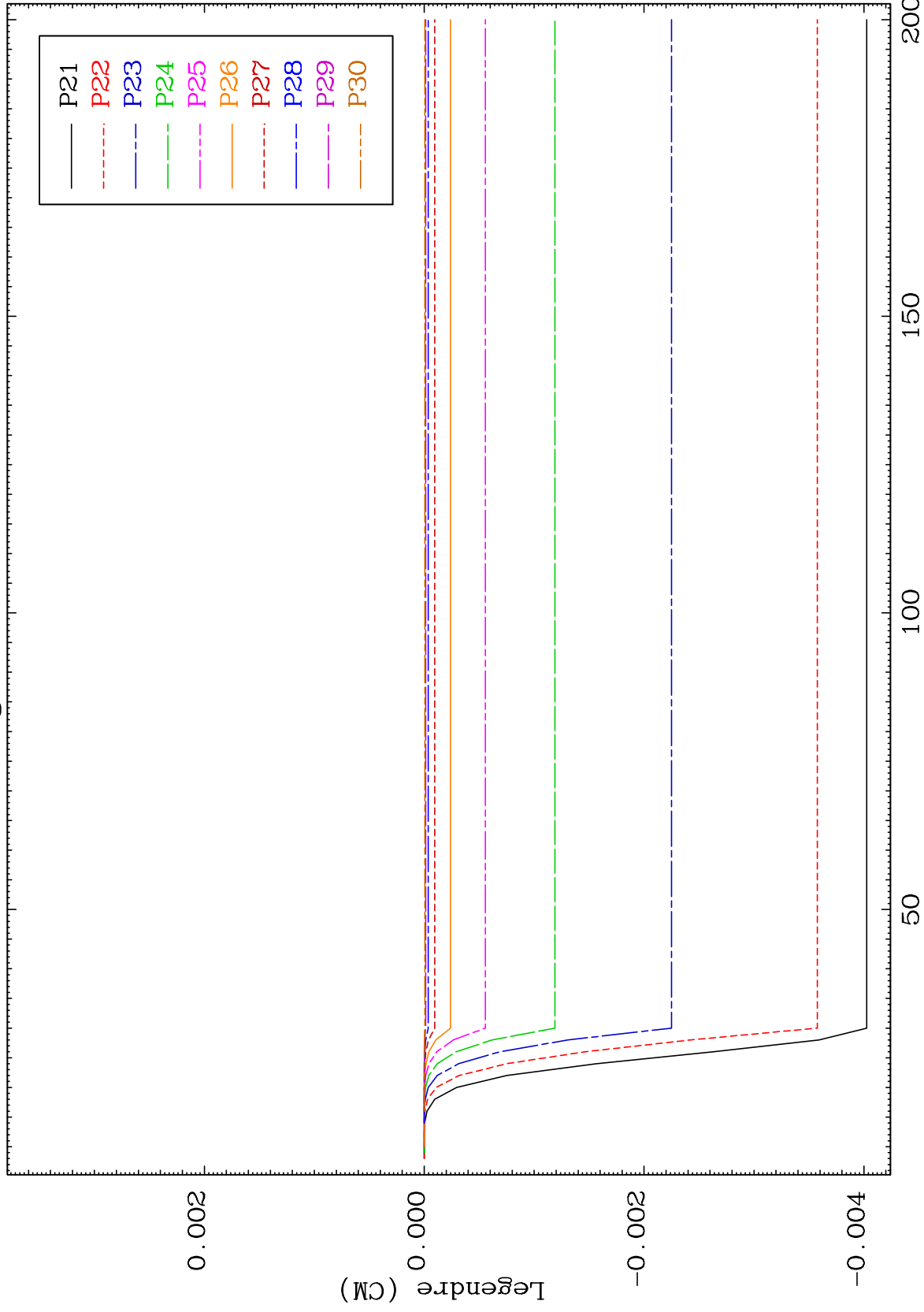
Incident Energy (MeV)

86-Rn-206

MAT 8610

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

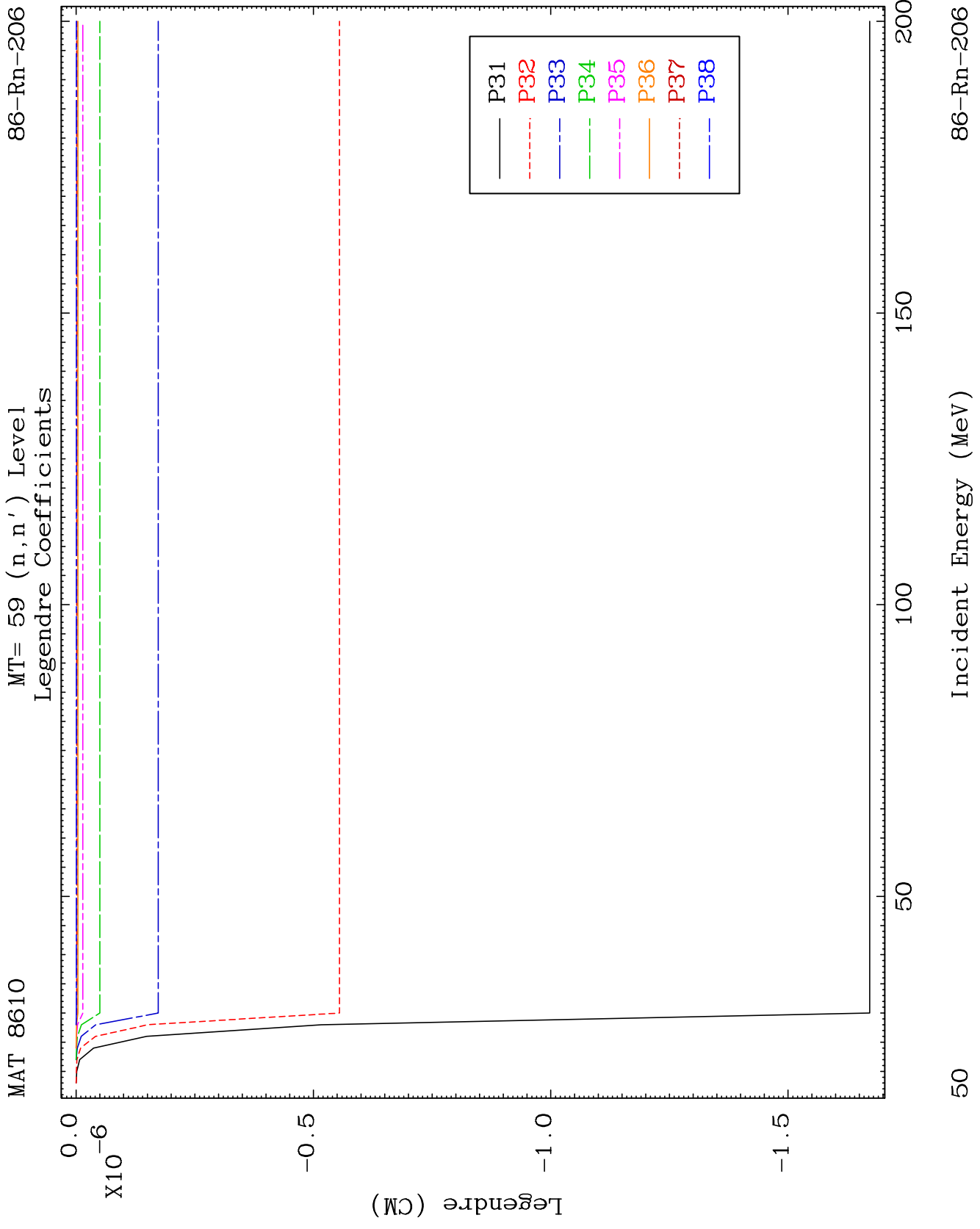
86-Rn-206



49

Incident Energy (MeV)

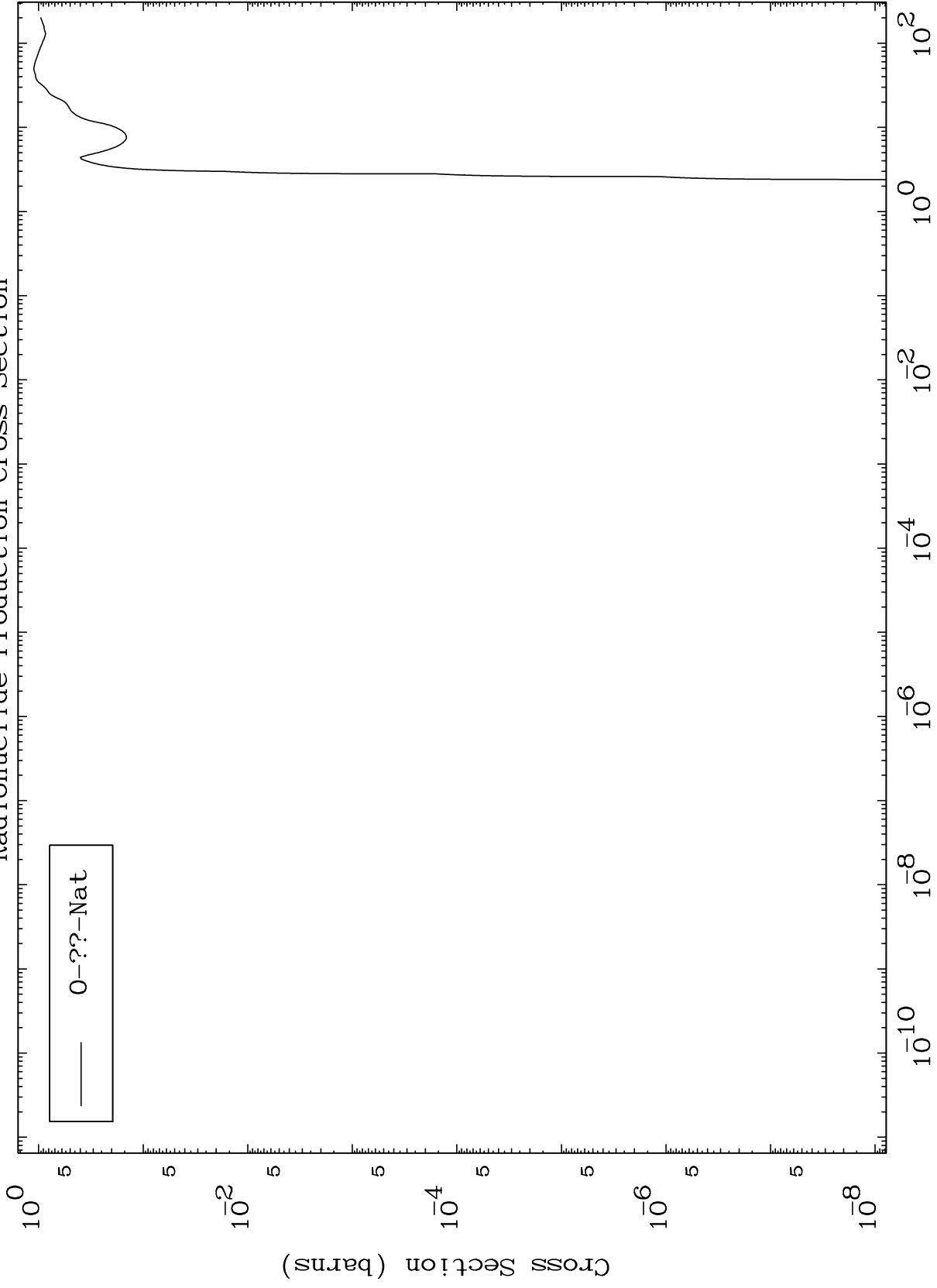
86-Rn-206



MAT 8610

Fission
Radionuclide Production Cross Section

86-Rn-206

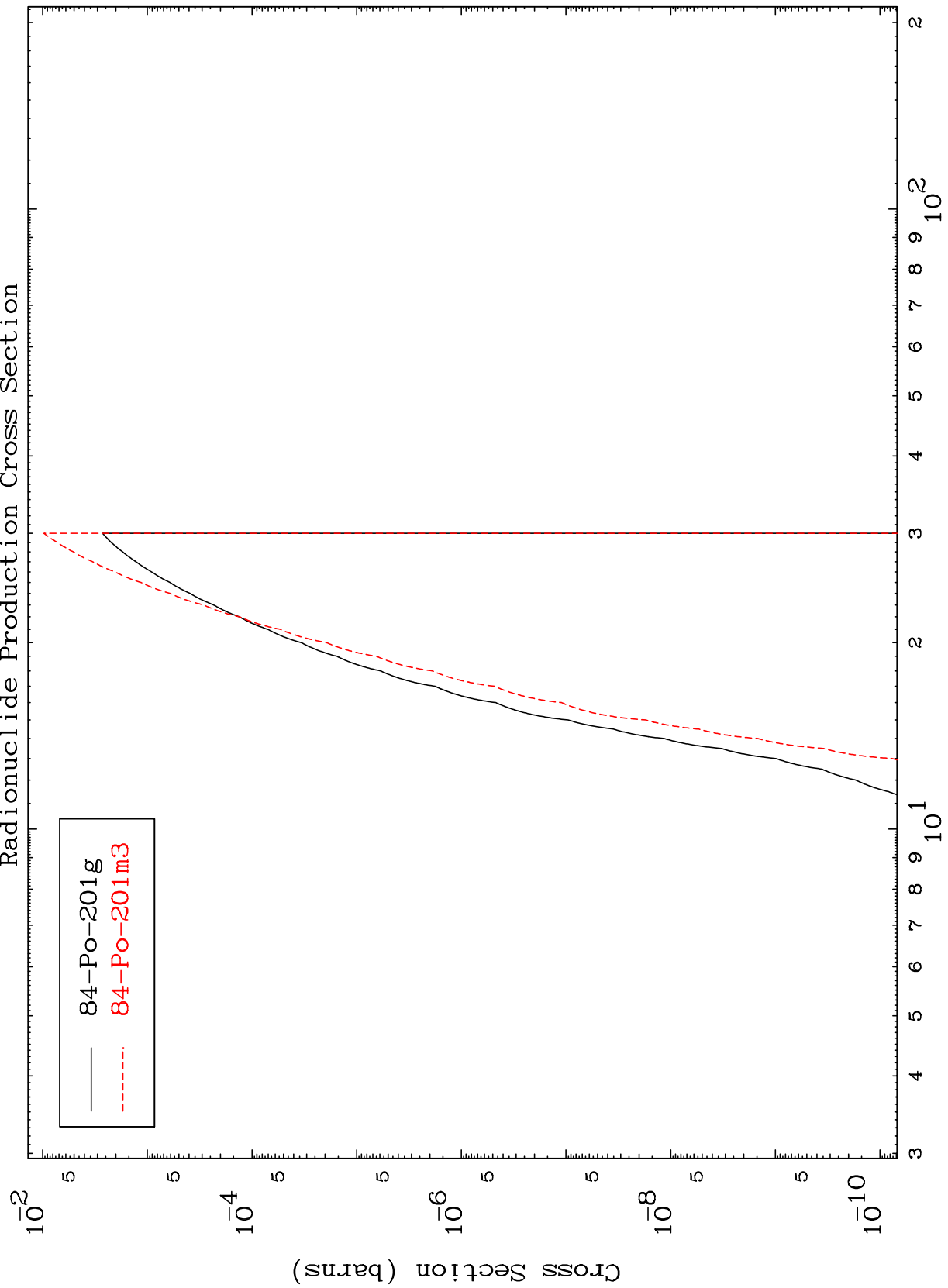


MAT 8610

$(n, 2n) \alpha$

86-Rn-206

Radionuclide Production Cross Section



Incident Energy (MeV)

86-Rn-206

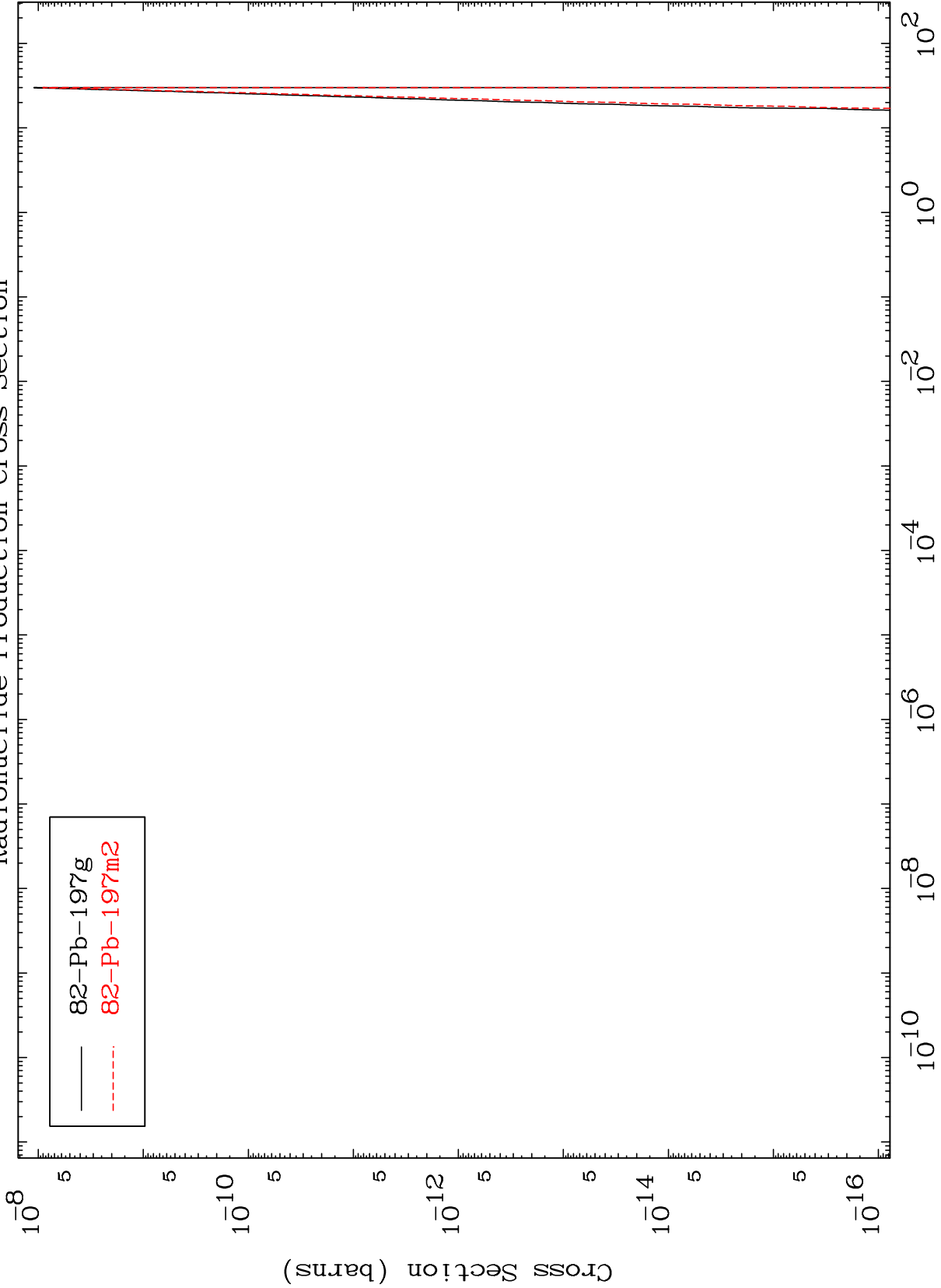
52

MAT 8610

(n,2n) 2α

86-Rn-206

Radionuclide Production Cross Section



82-Pb-197g
82-Pb-197m2

Incident Energy (MeV)

86-Rn-206

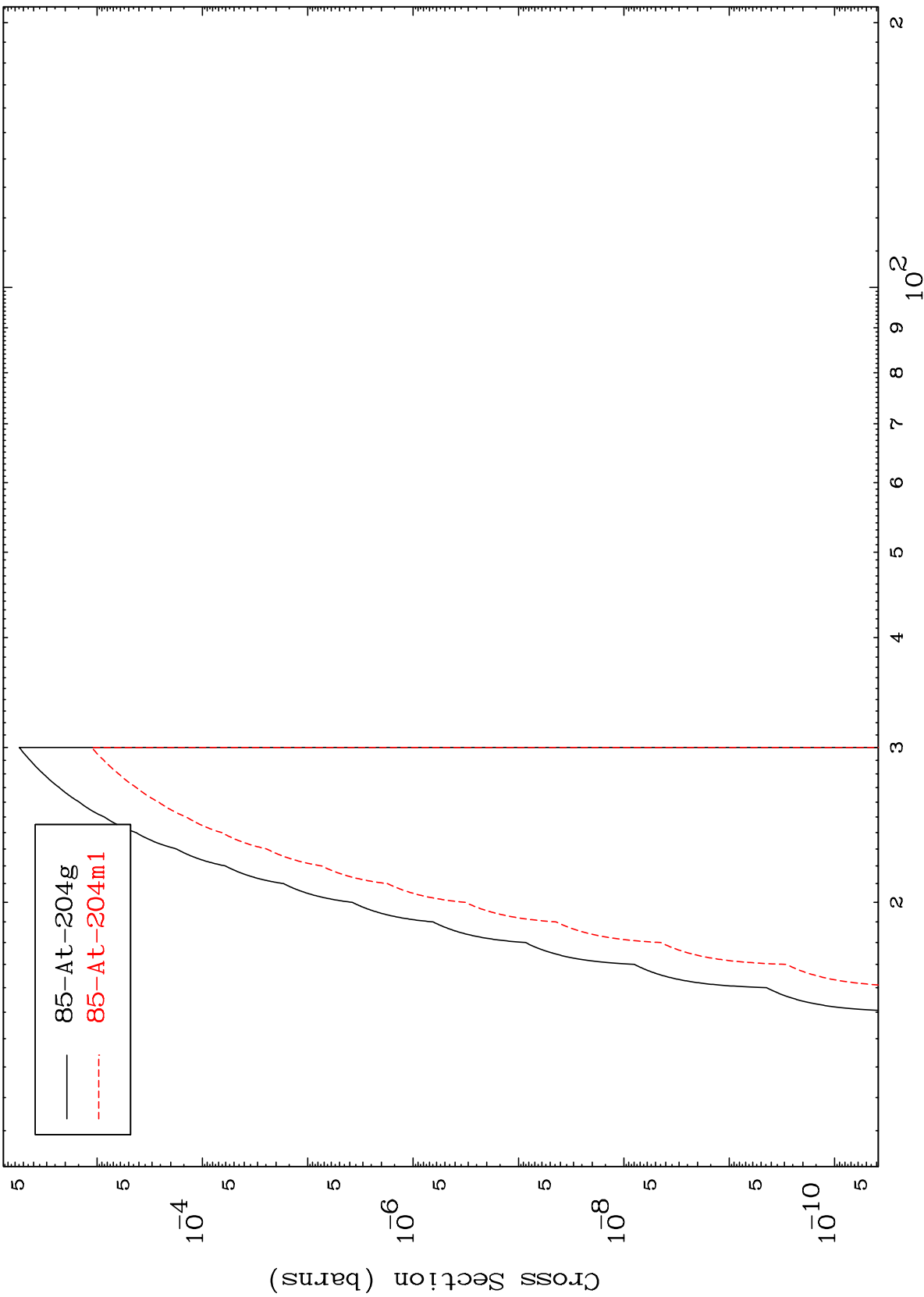
53

MAT 8610

(n,n') d

86-Rn-206

Radionuclide Production Cross Section



54

Incident Energy (MeV)

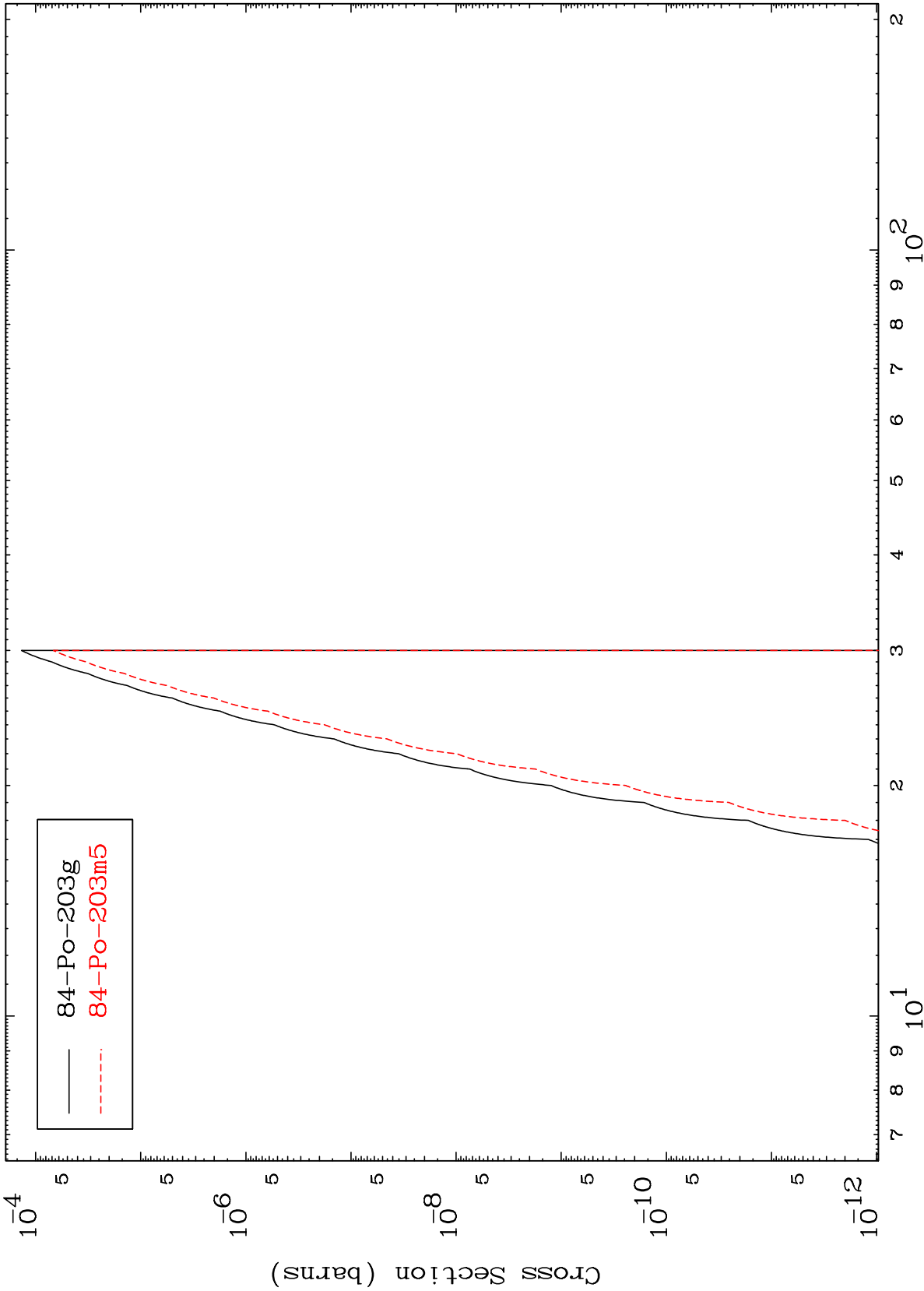
86-Rn-206

MAT 8610

(n,n') He-3

86-Rn-206

Radionuclide Production Cross Section



55

Incident Energy (MeV)

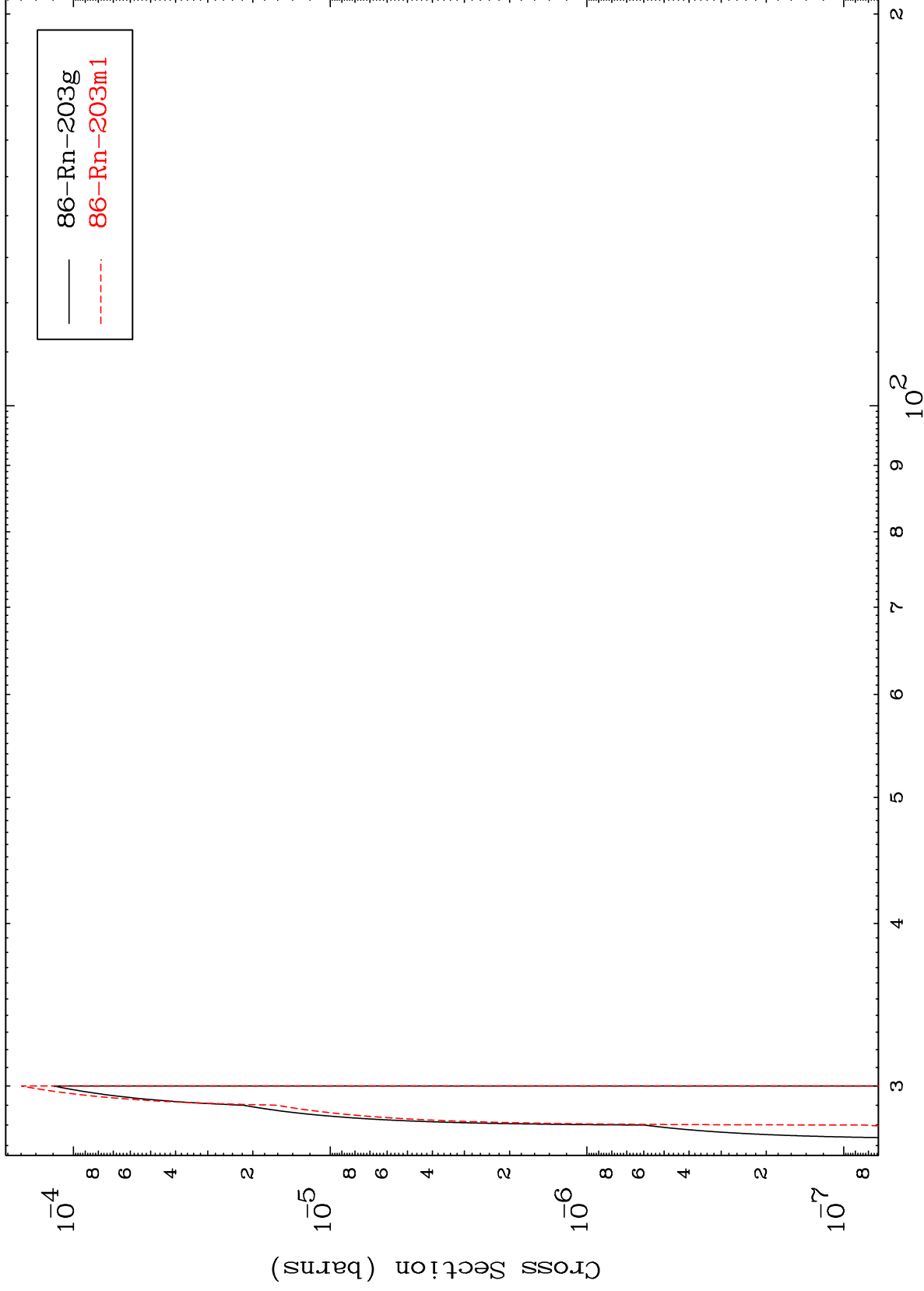
86-Rn-206

MAT 8610

(n,4n)

86-Rn-206

Radionuclide Production Cross Section



56

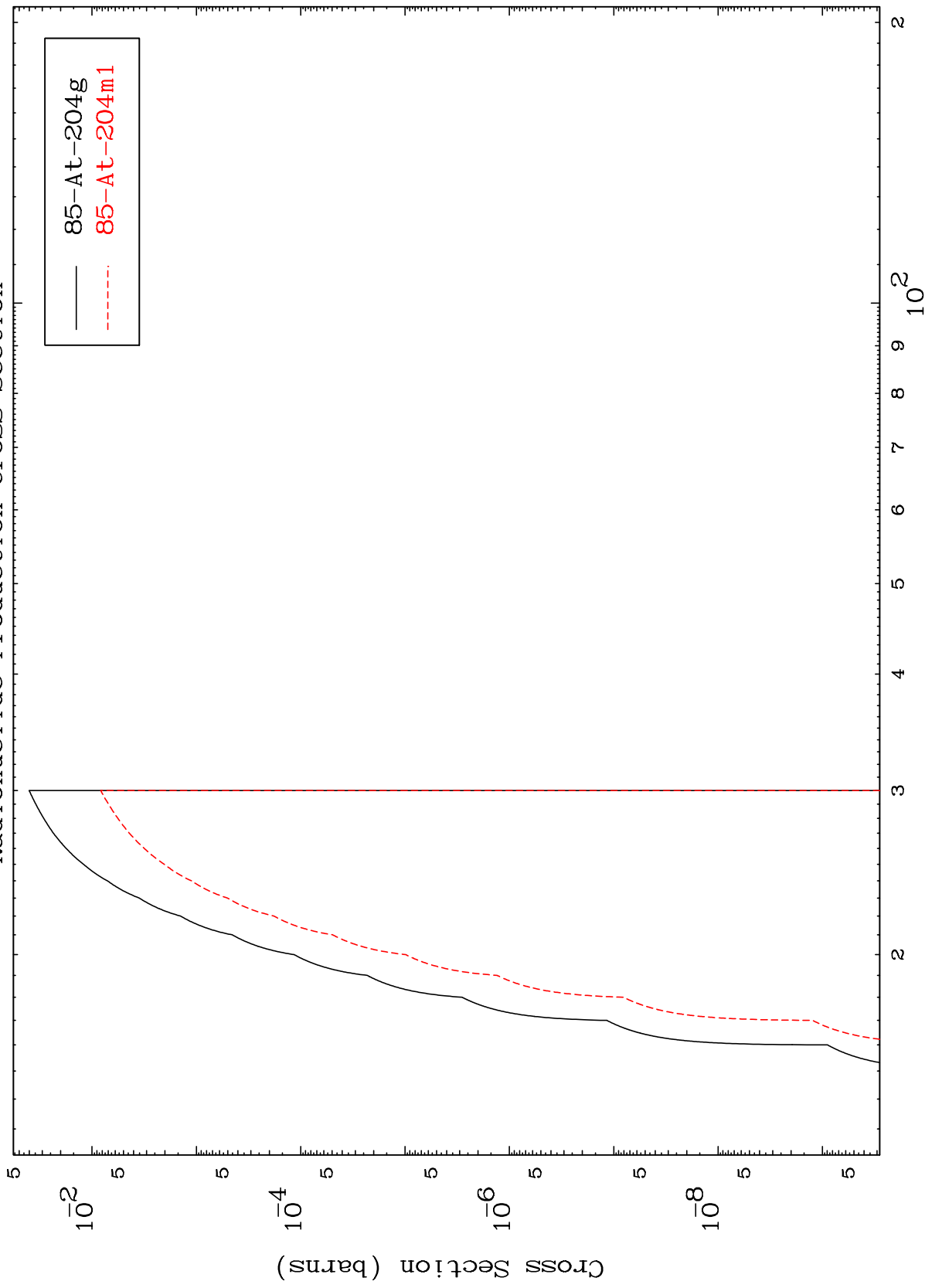
Incident Energy (MeV)

86-Rn-206

MAT 8610

86-Rn-206

(n,2n) p
Radionuclide Production Cross Section



57

Incident Energy (MeV)

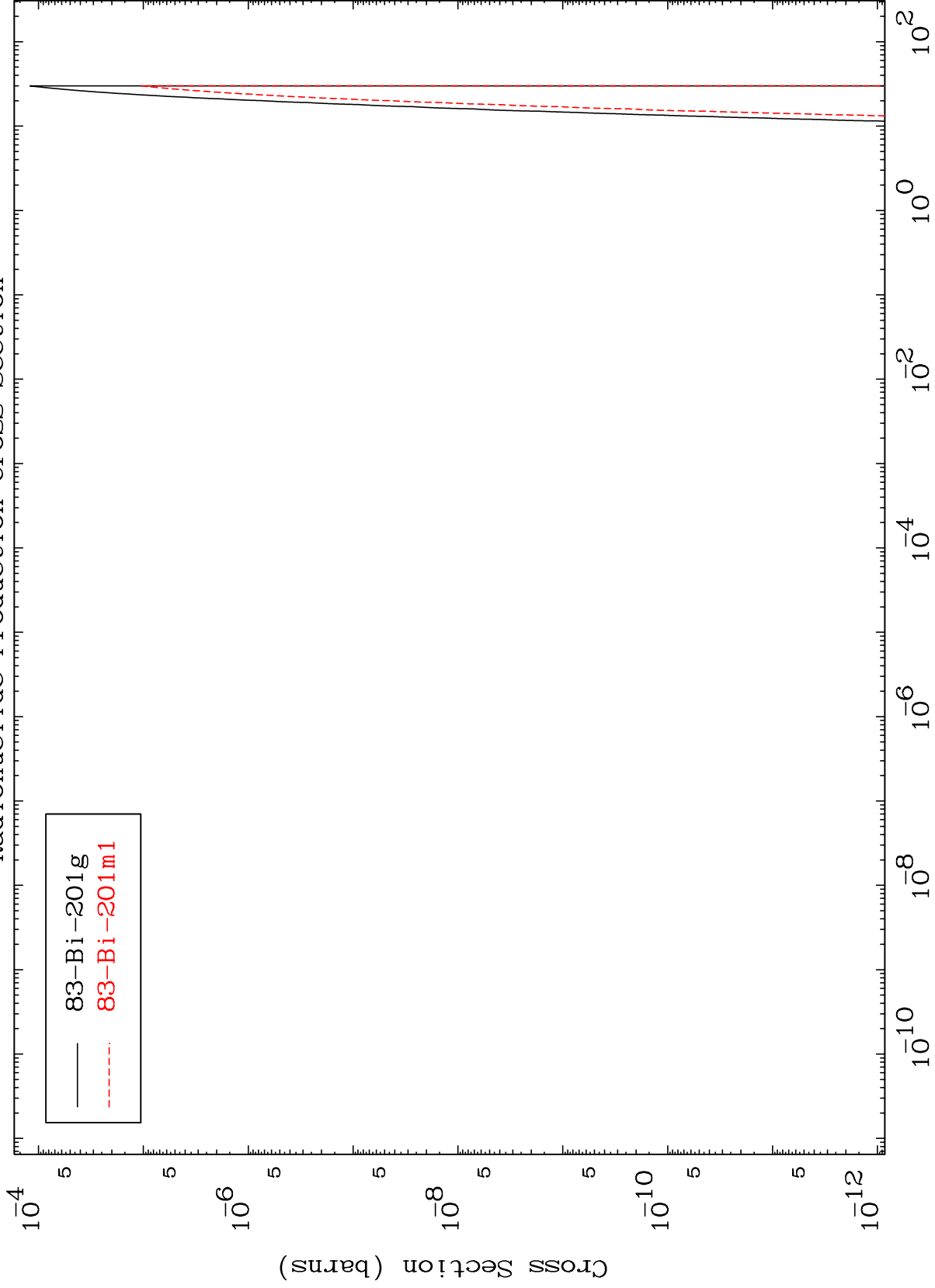
86-Rn-206

MAT 8610

(n,n') p α

86-Rn-206

Radionuclide Production Cross Section



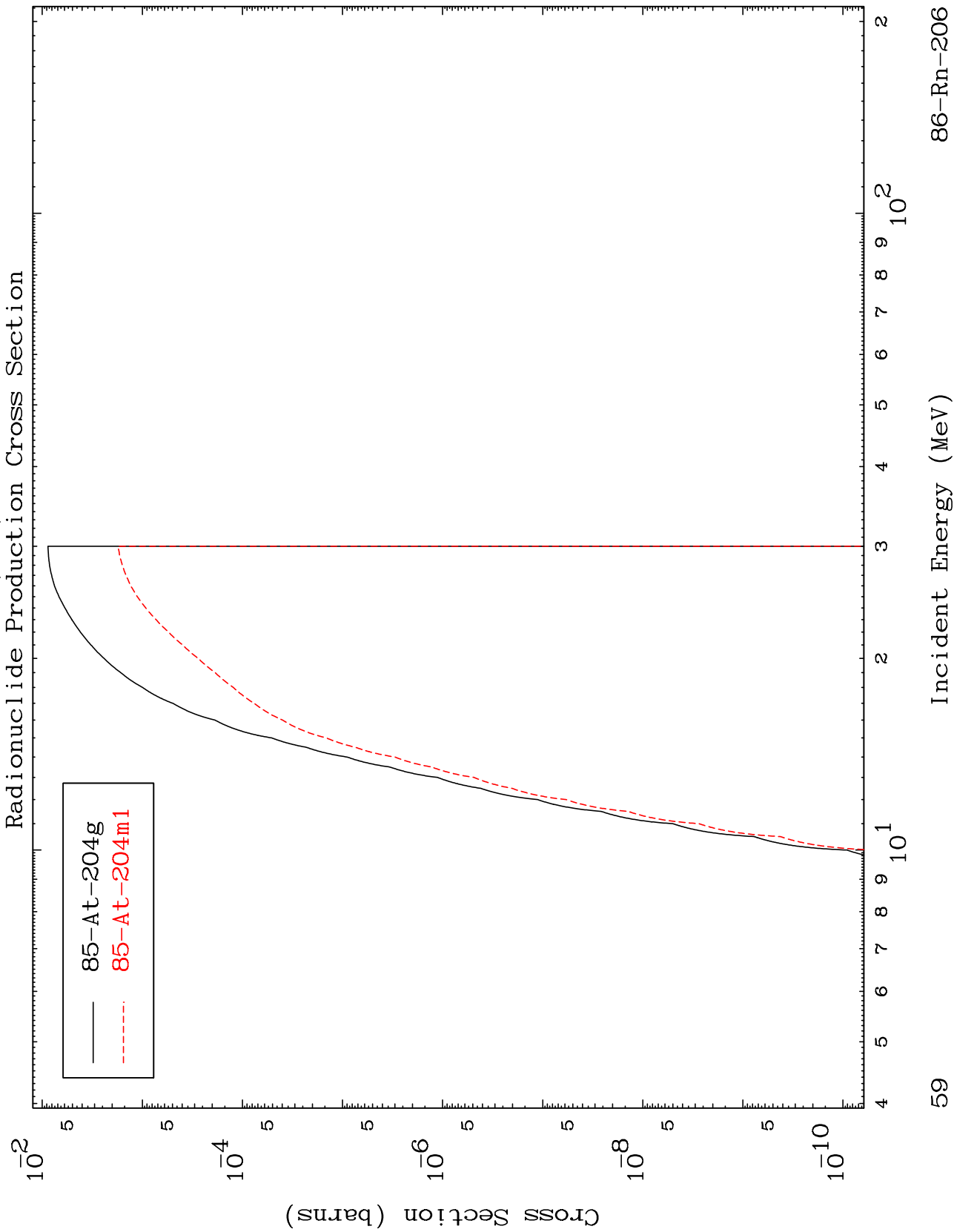
58

Incident Energy (MeV)

86-Rn-206

MAT 8610

86-Rn-206



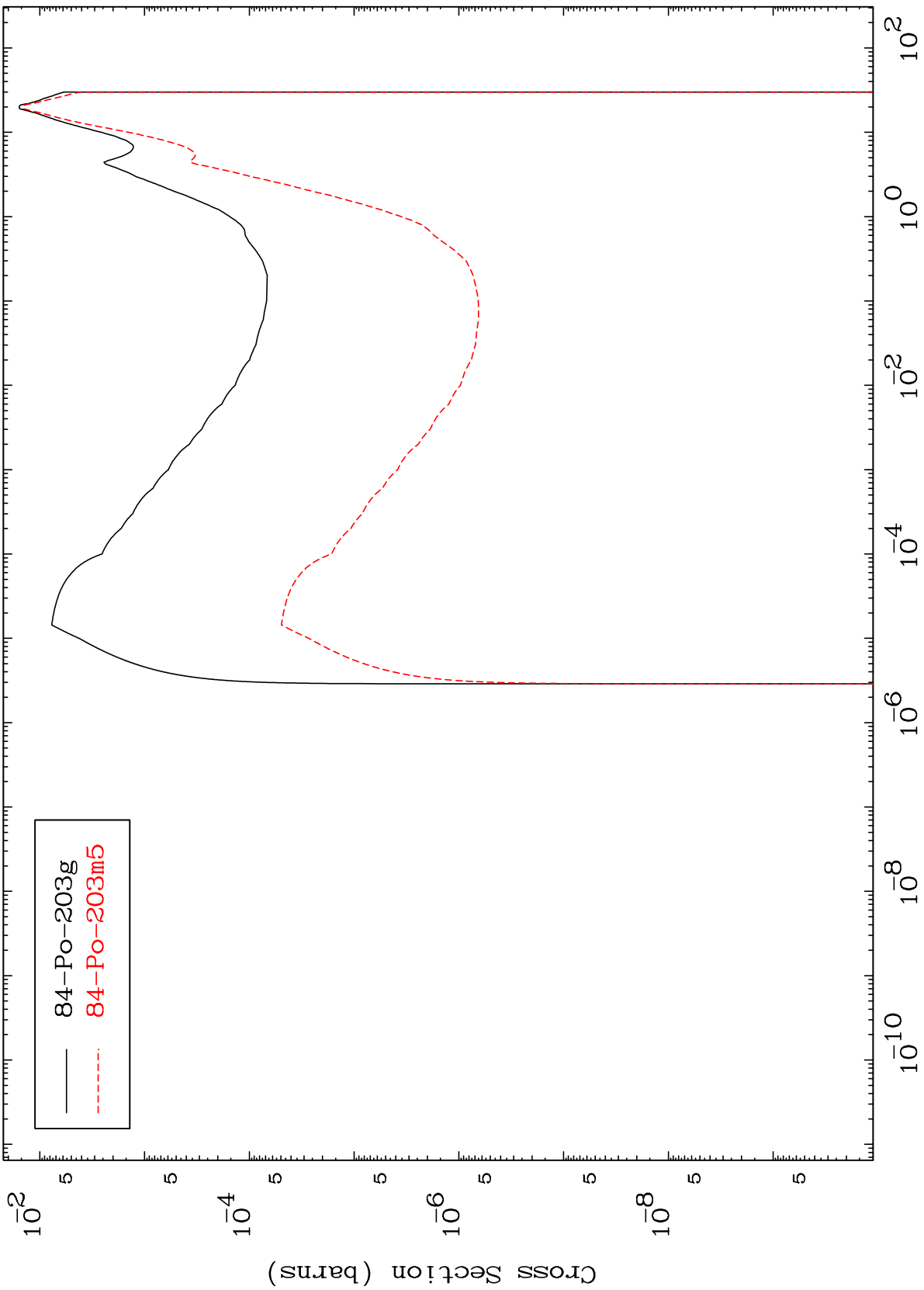
59

86-Rn-206

MAT 8610

86-Rn-206

(n, α)
Radionuclide Production Cross Section



— 84-Po-203g
- - - 84-Po-203m5

60

86-Rn-206

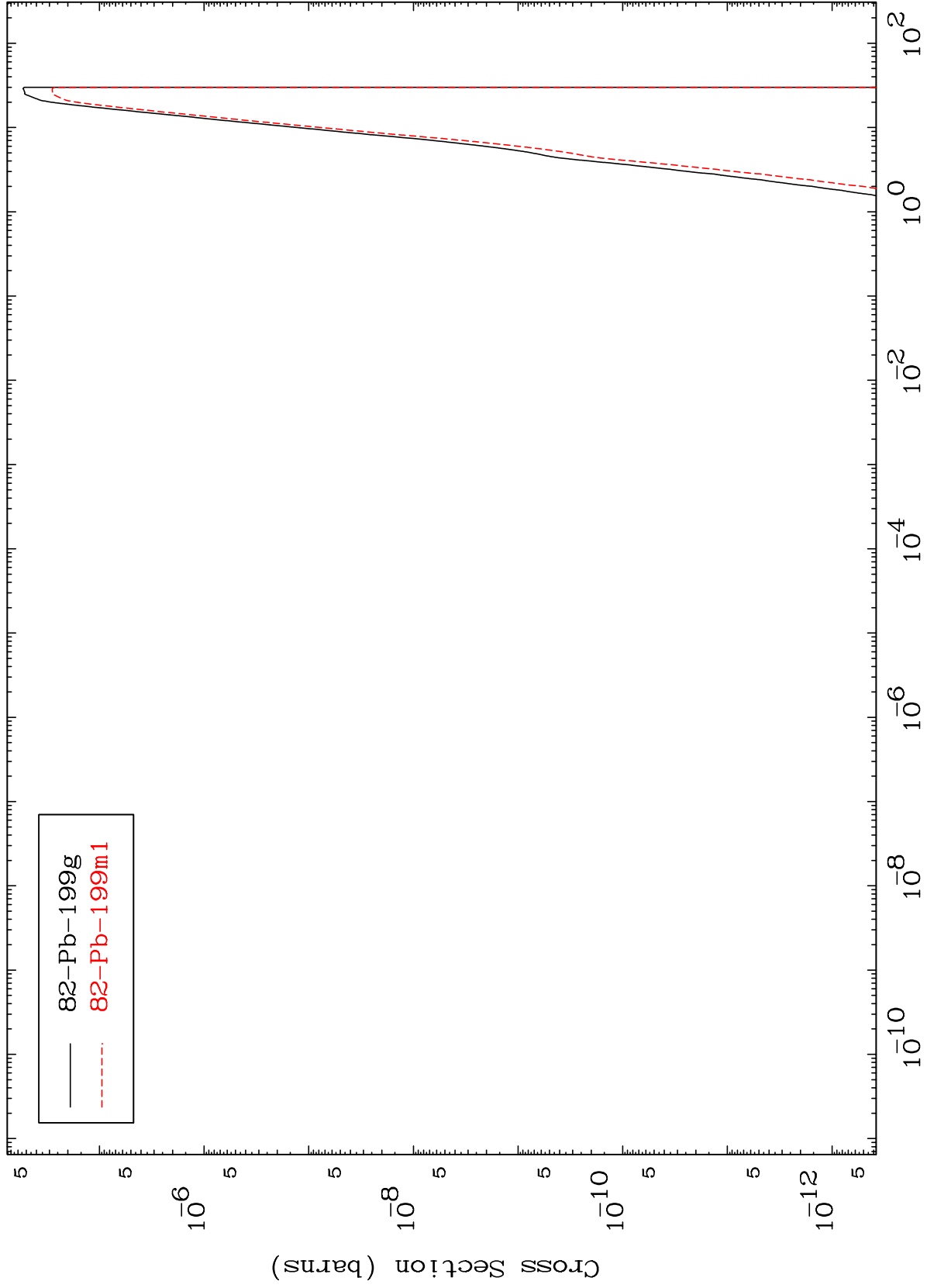
Incident Energy (MeV)

MAT 8610

(n,2α)

86-Rn-206

Radionuclide Production Cross Section



61

Incident Energy (MeV)

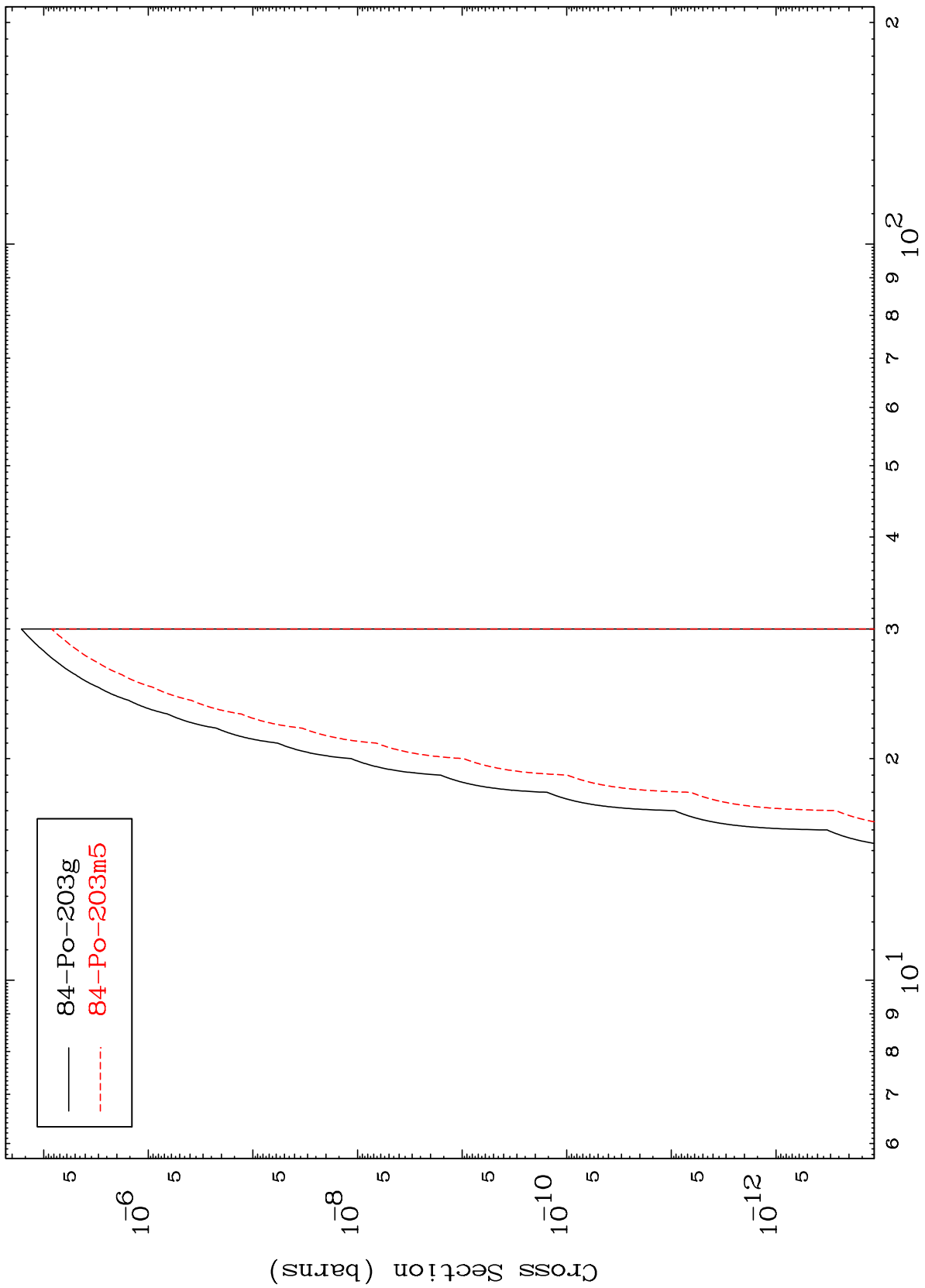
86-Rn-206

MAT 8610

(n,p) t

86-Rn-206

Radionuclide Production Cross Section



62

Incident Energy (MeV)

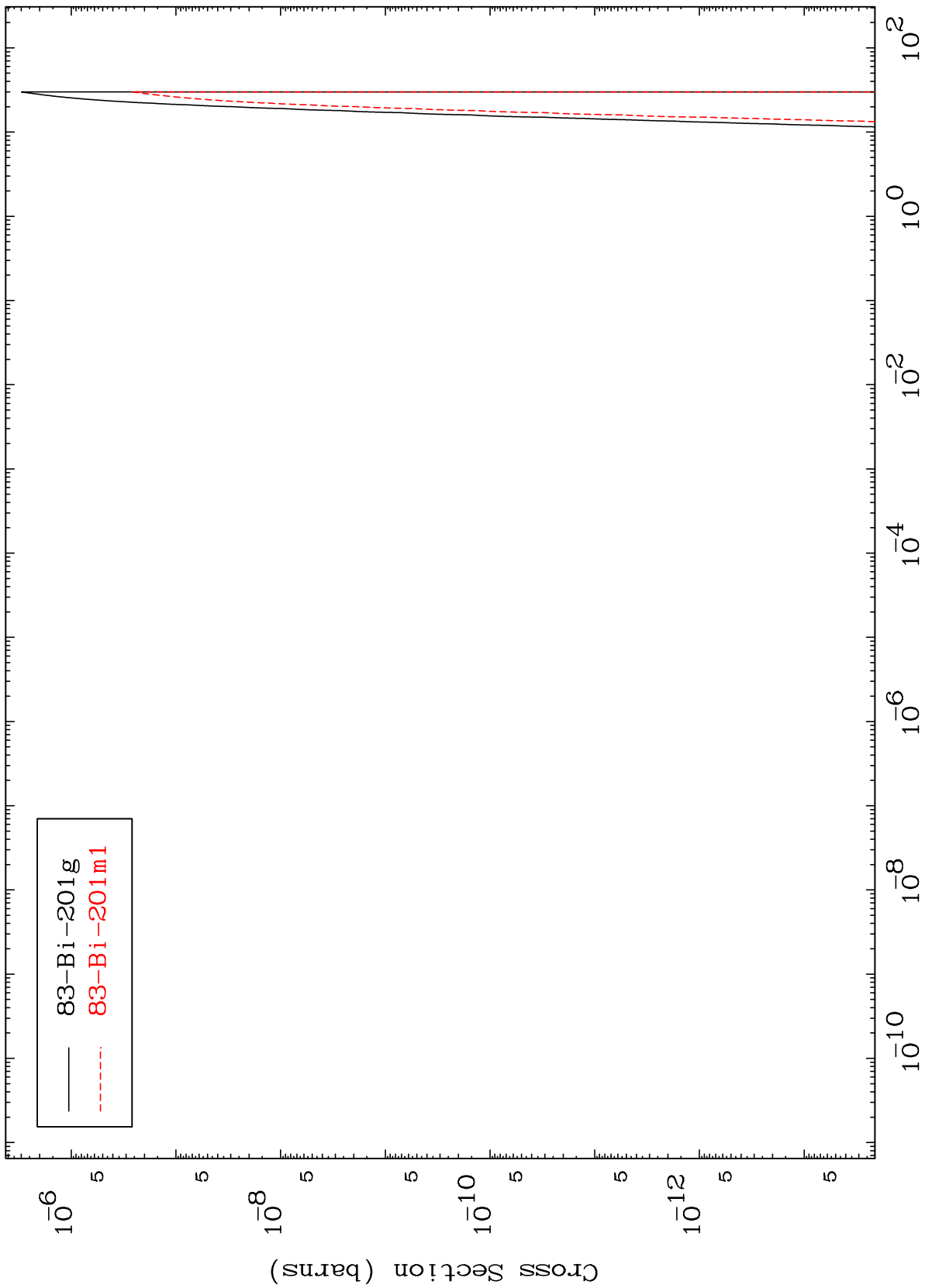
86-Rn-206

MAT 8610

(n,d) α

86-Rn-206

Radionuclide Production Cross Section



63

Incident Energy (MeV)

86-Rn-206