

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

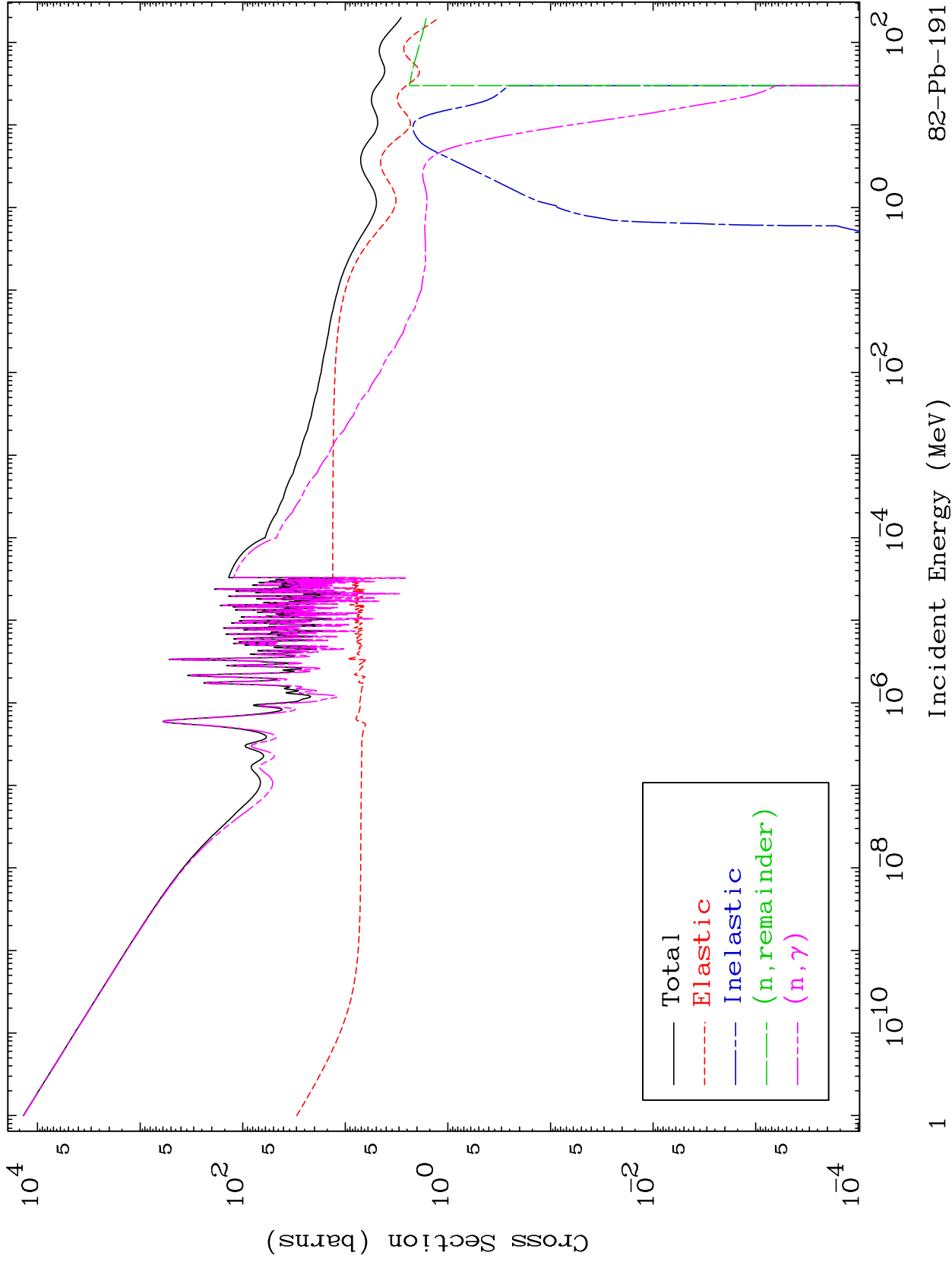
Press Mouse Button to Start

MAT 8186

Major

293 Kelvin Cross Sections

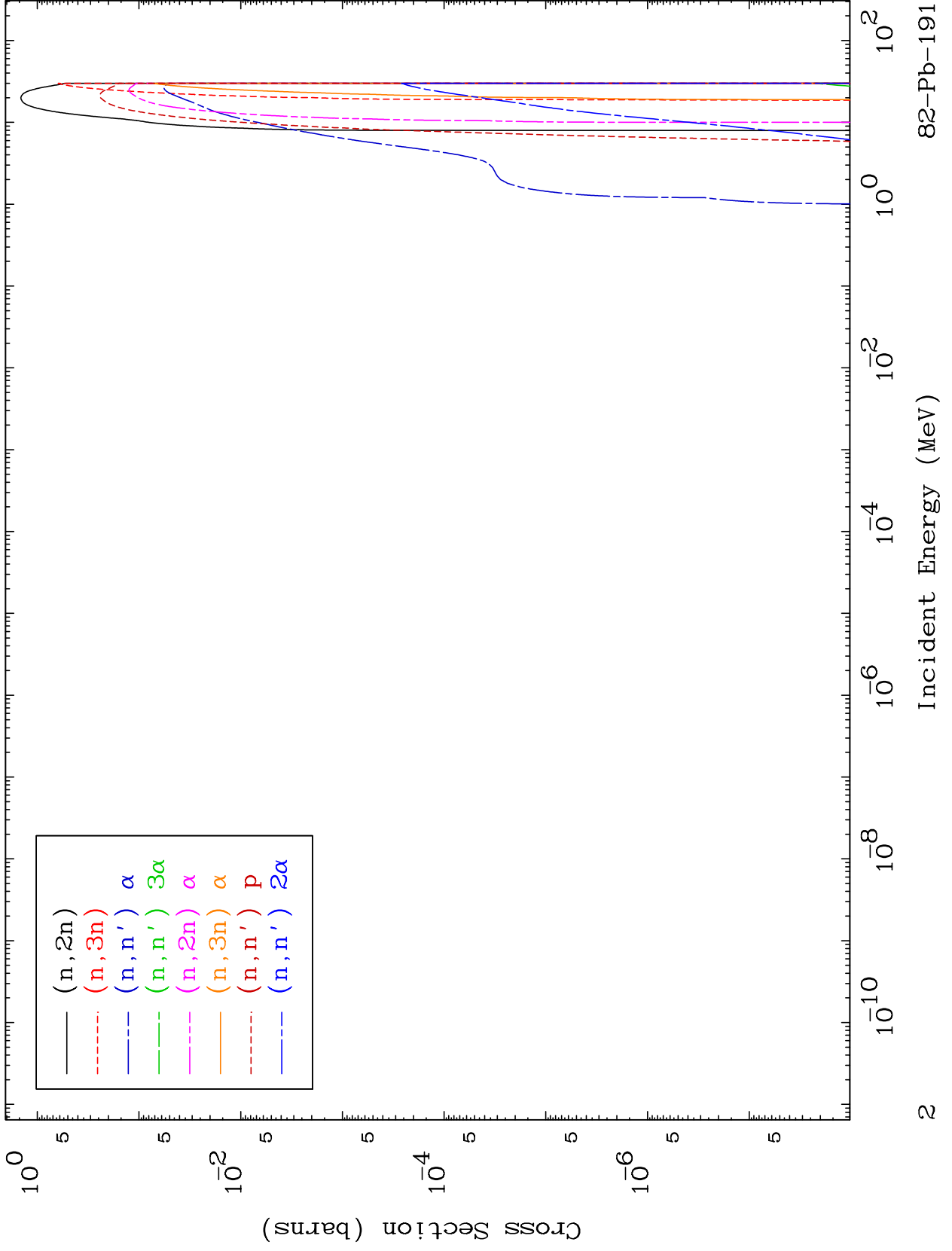
82-Pb-191



MAT 8186

Neutron Production
293 Kelvin Cross Sections

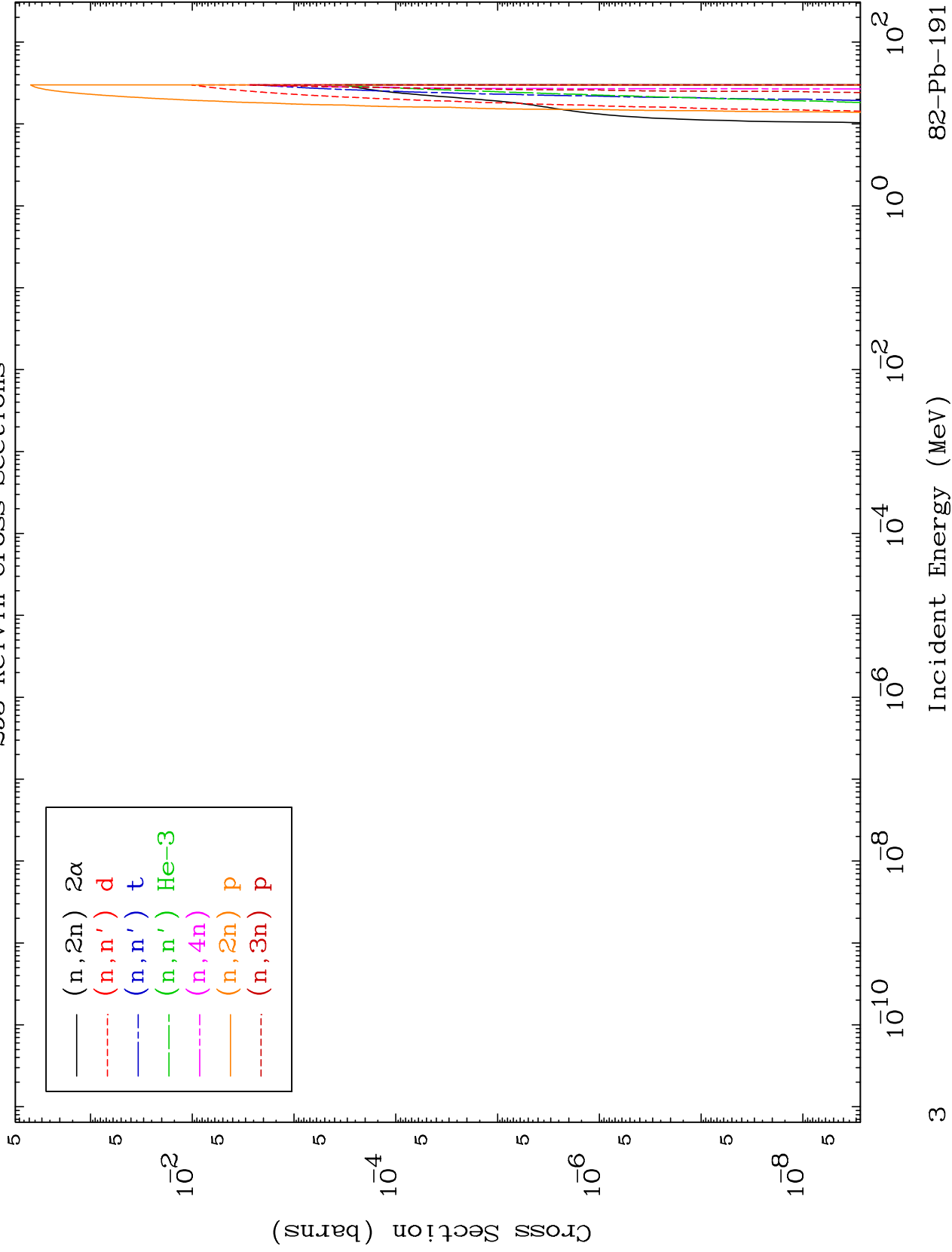
82-Pb-191



MAT 8186

Neutron Production
293 Kelvin Cross Sections

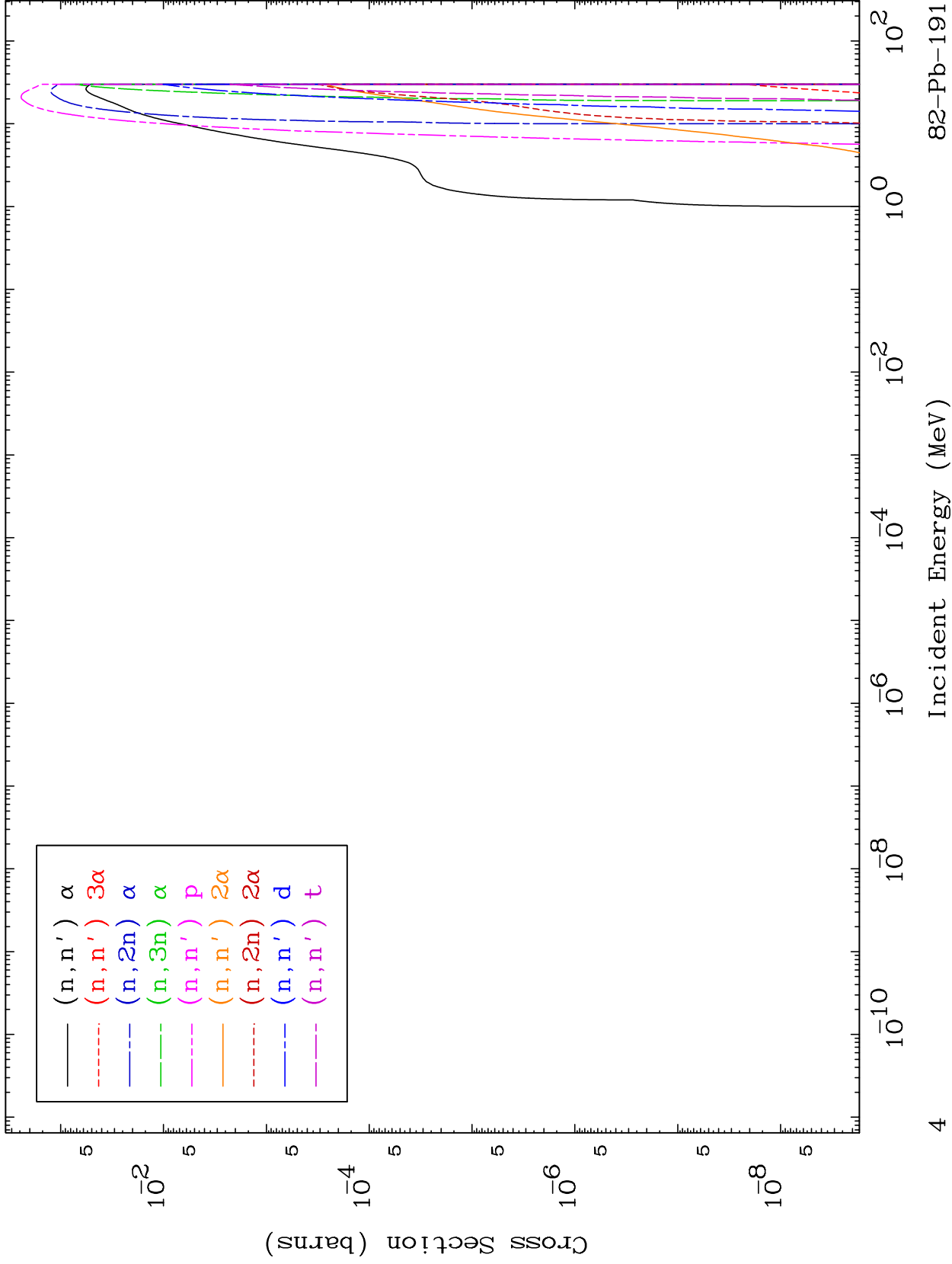
82-Pb-191



MAT 8186

Charged Particle
293 Kelvin Cross Sections

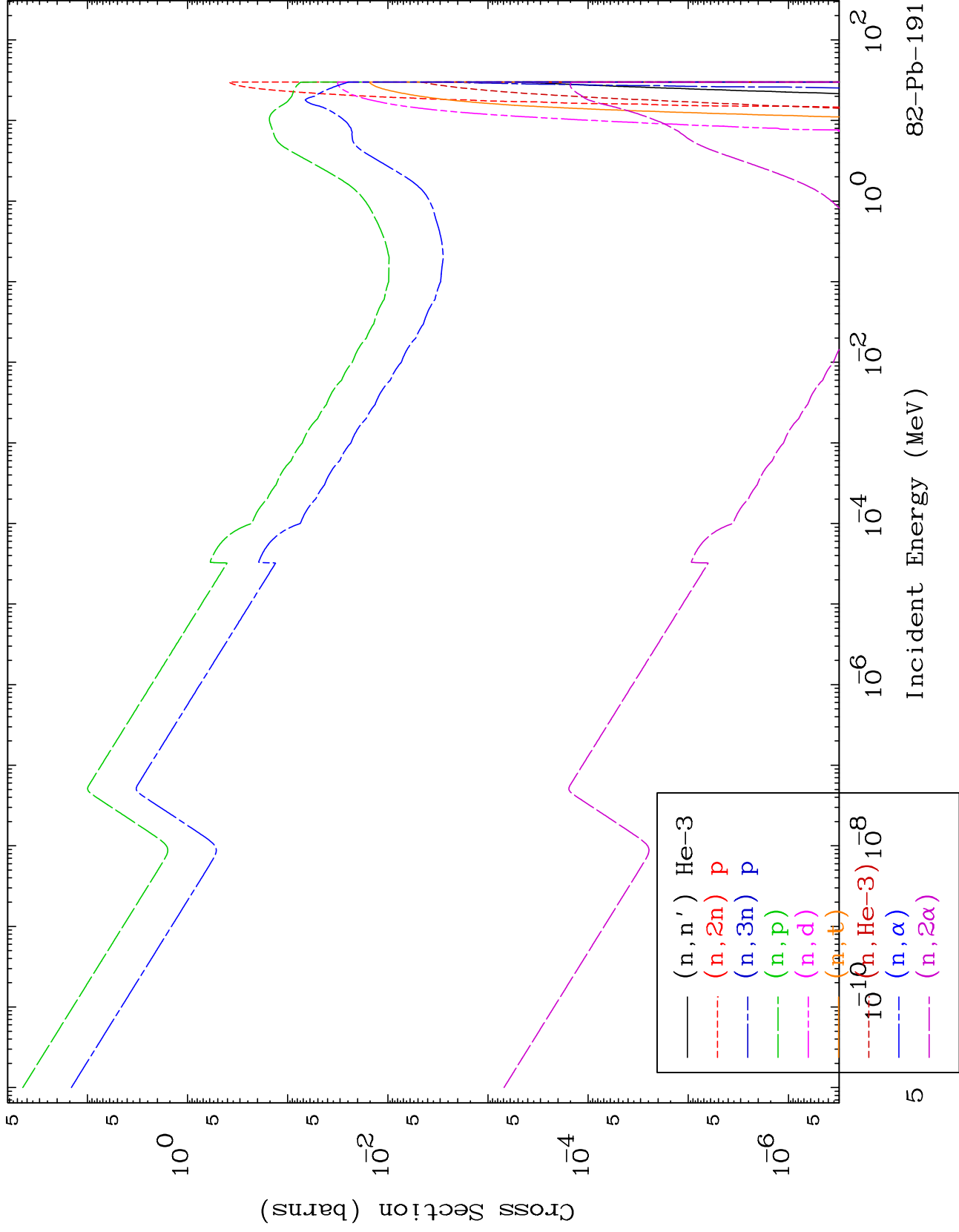
82-Pb-191



MAT 8186

Charged Particle
293 Kelvin Cross Sections

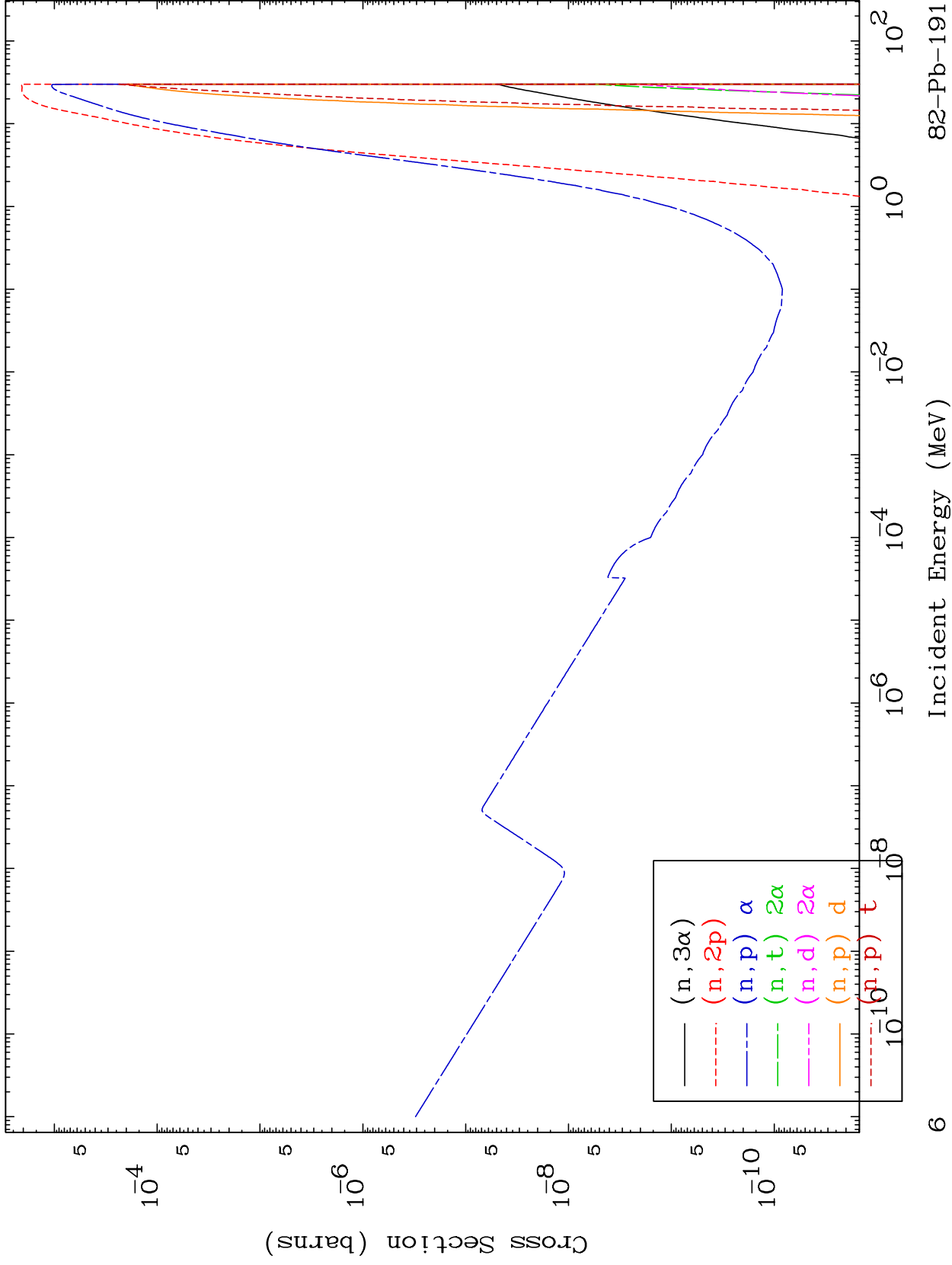
82-Pb-191



MAT 8186

Charged Particle
293 Kelvin Cross Sections

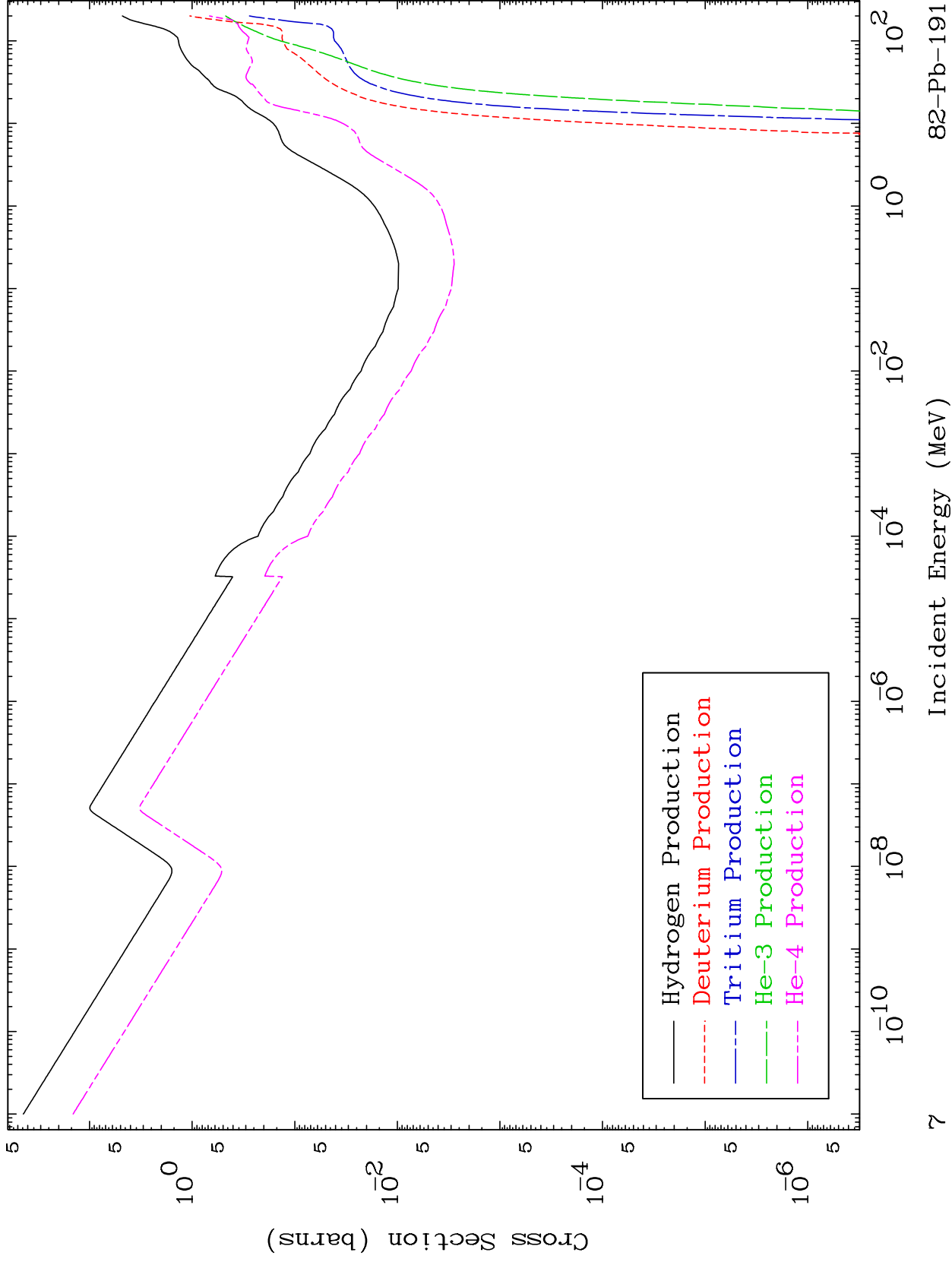
82-Pb-191



MAT 8186

Particle Production
293 Kelvin Cross Sections

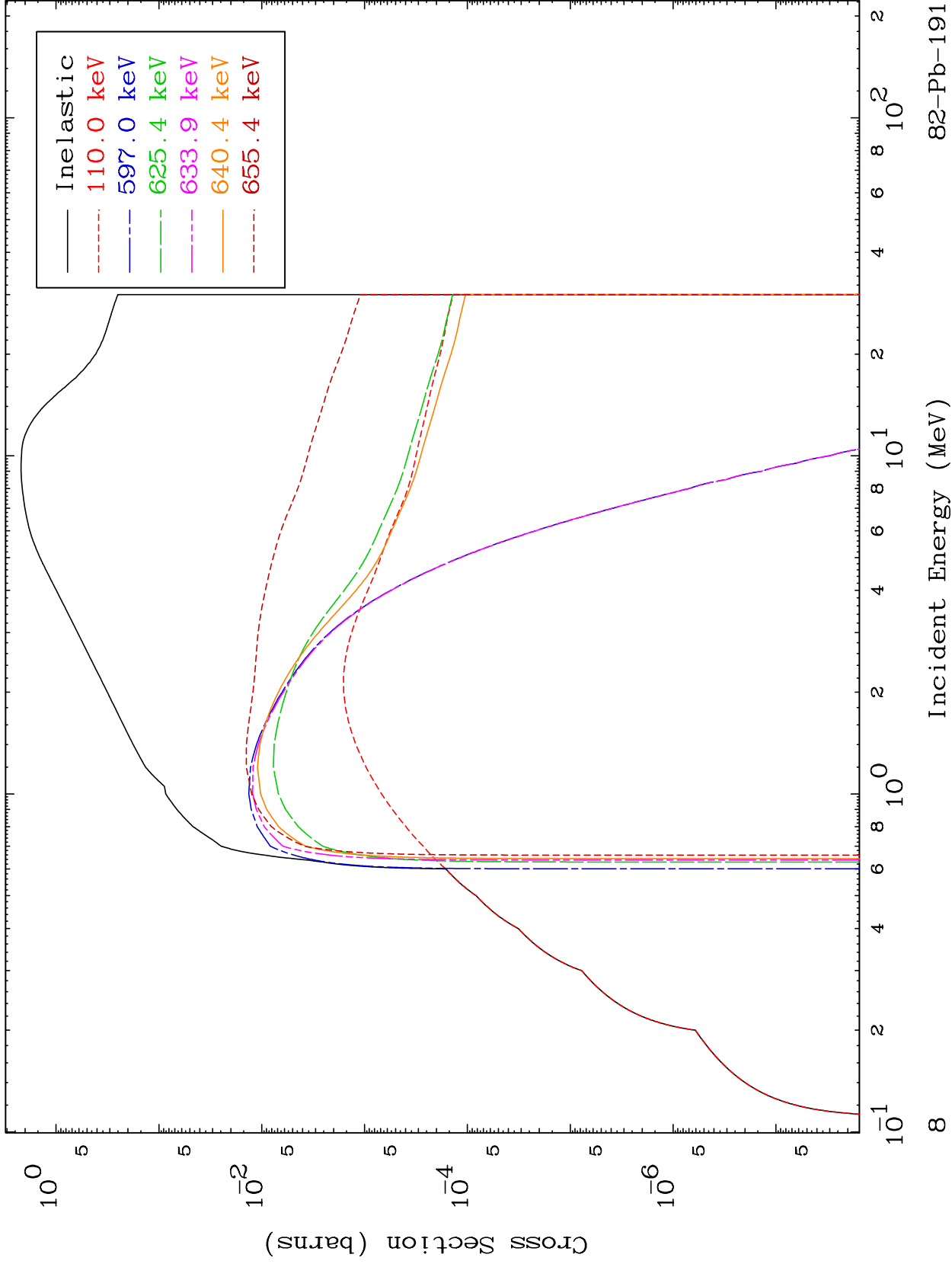
82-Pb-191



MAT 8186

(n,n') Level
293 Kelvin Cross Sections

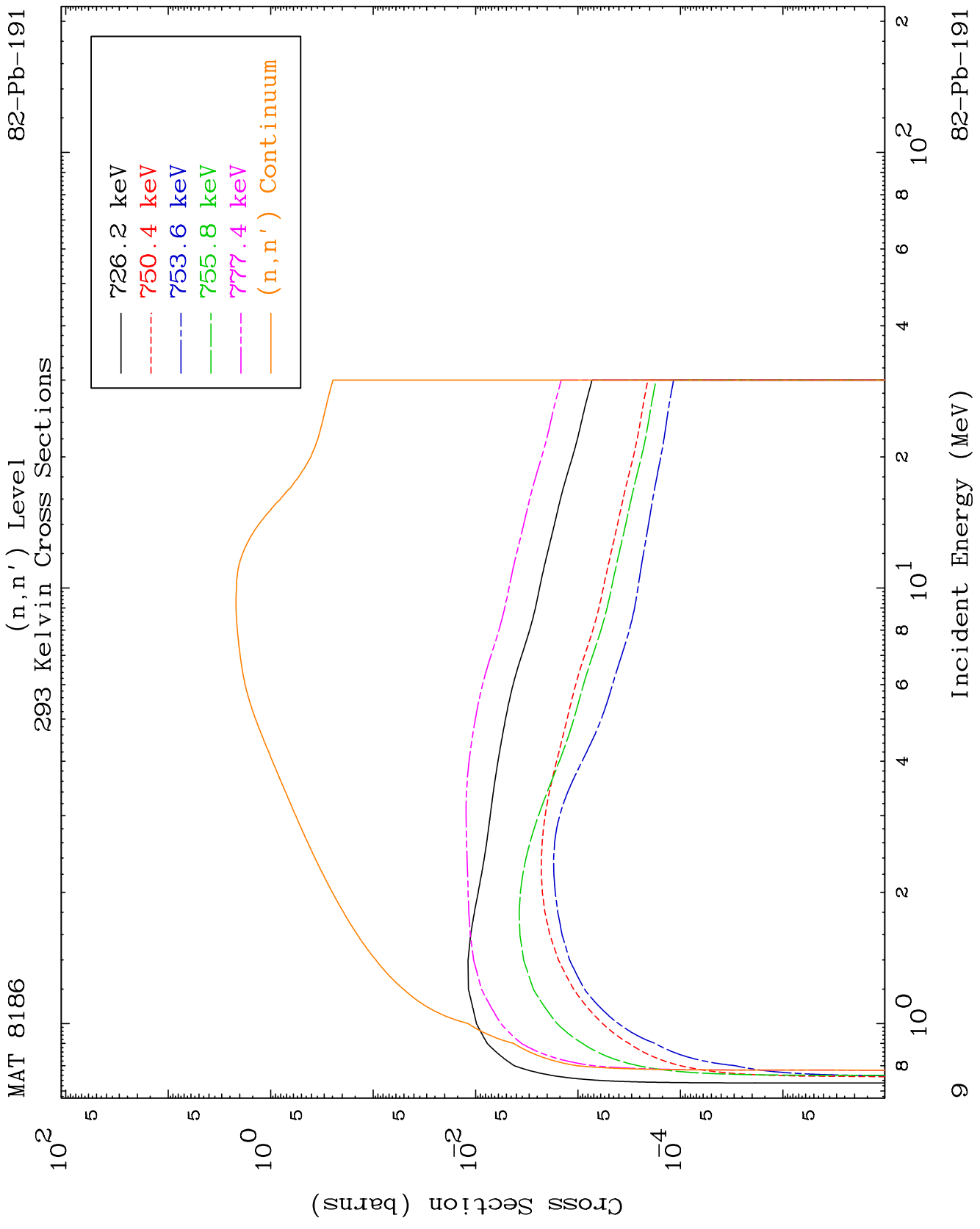
82-Pb-191



82-Pb-191

Incident Energy (MeV)

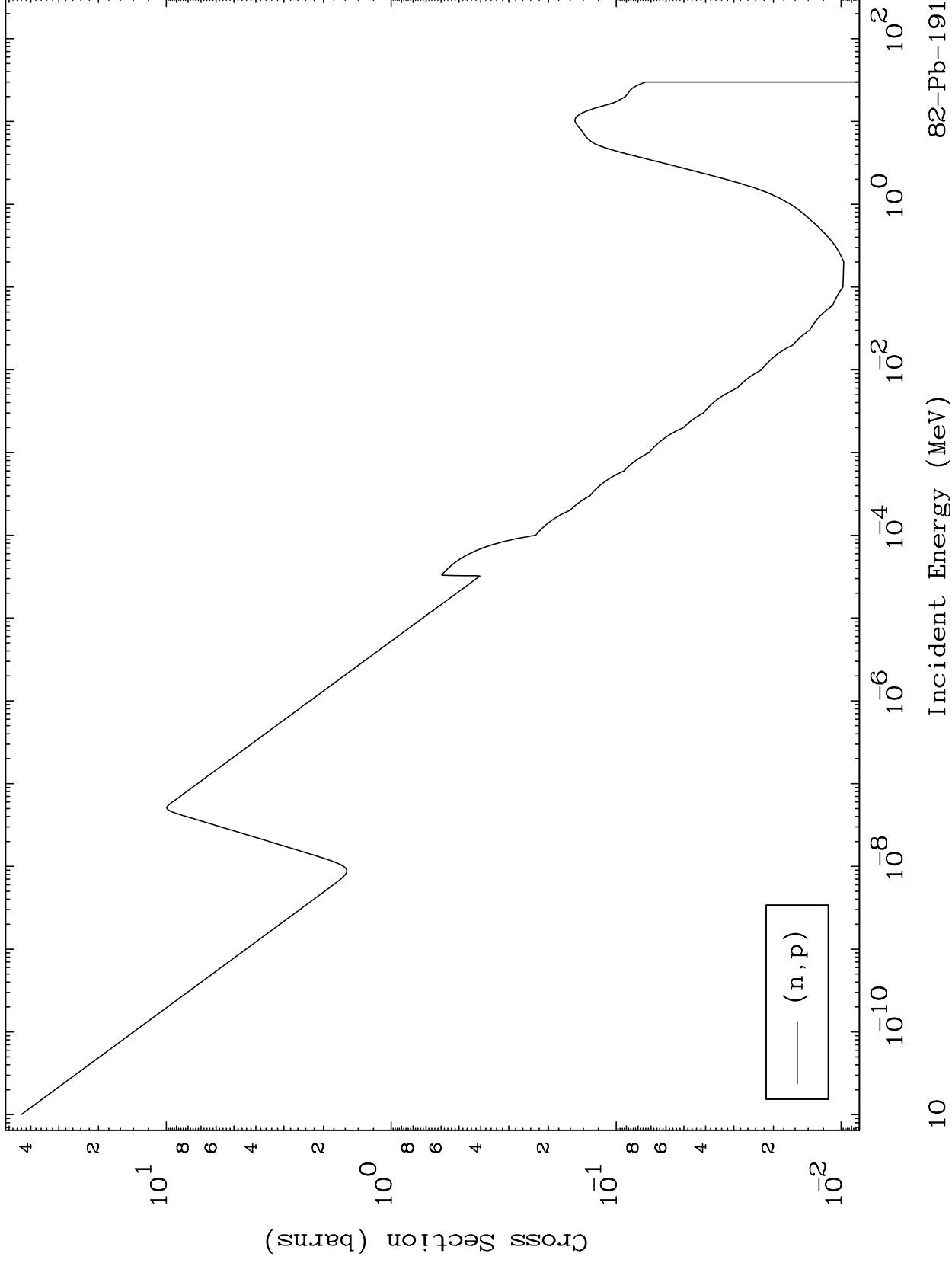
8



MAT 8186

(n,p) Levels
293 Kelvin Cross Sections

82-Pb-191



10

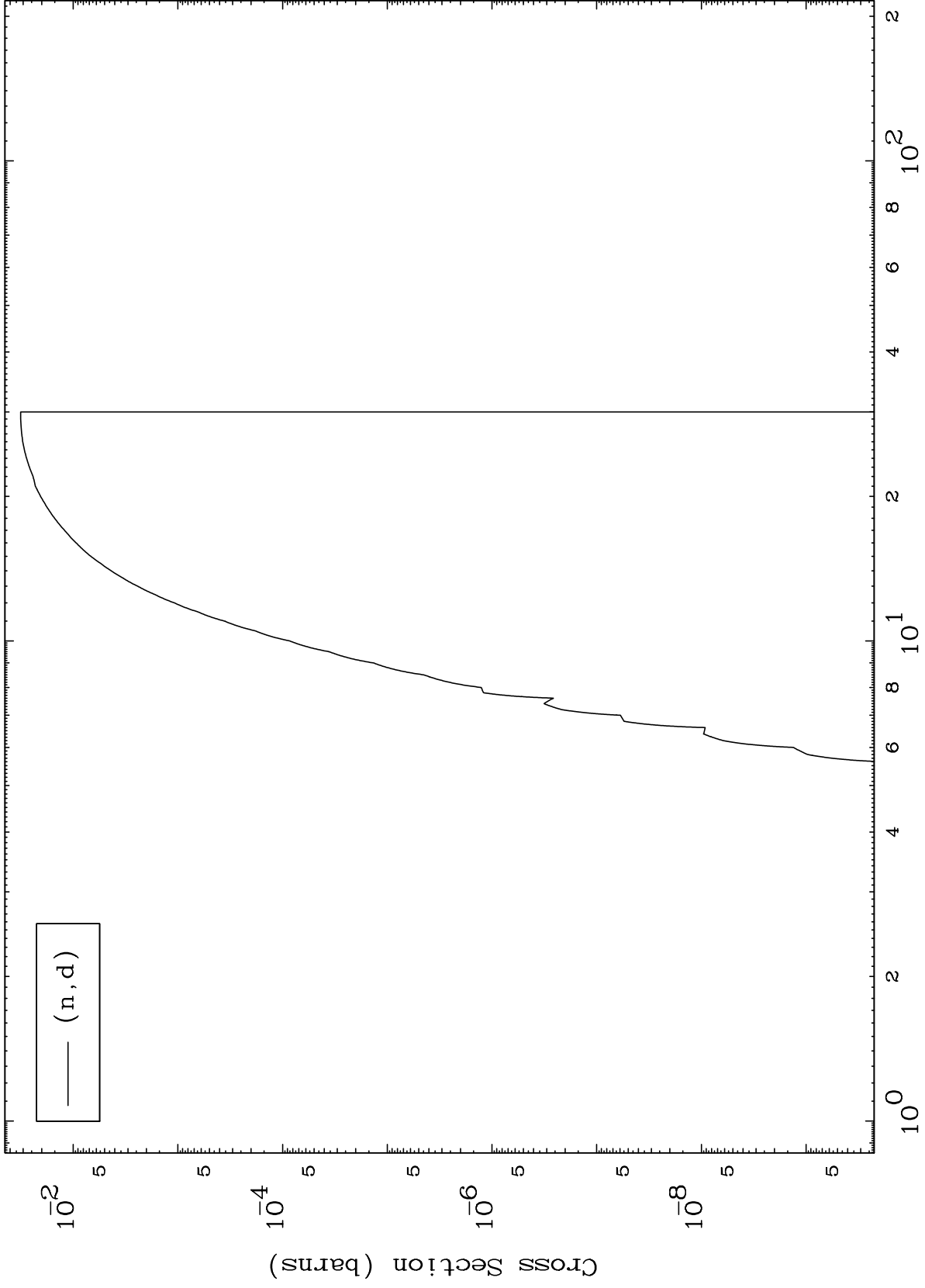
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-191



11

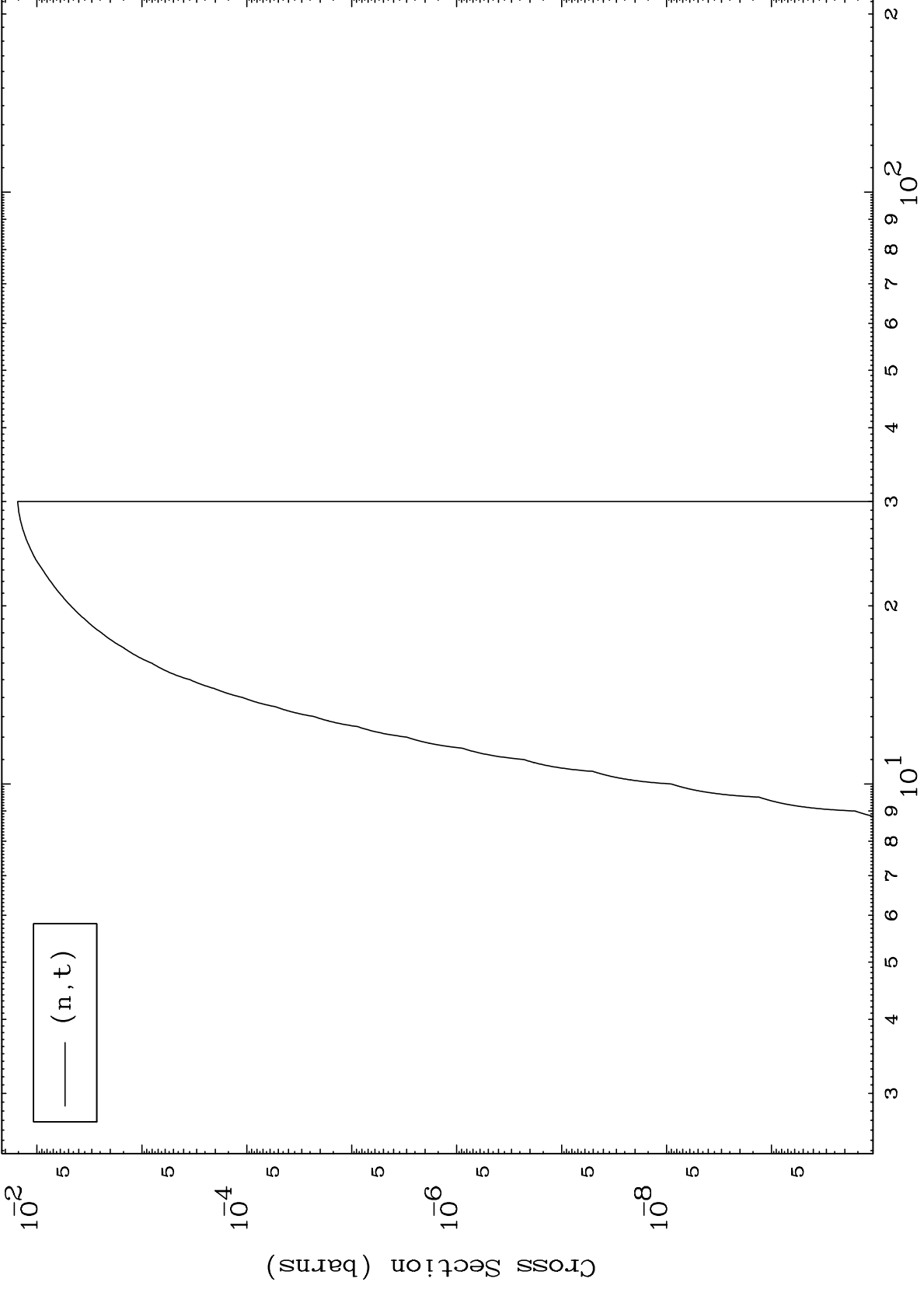
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-191



12

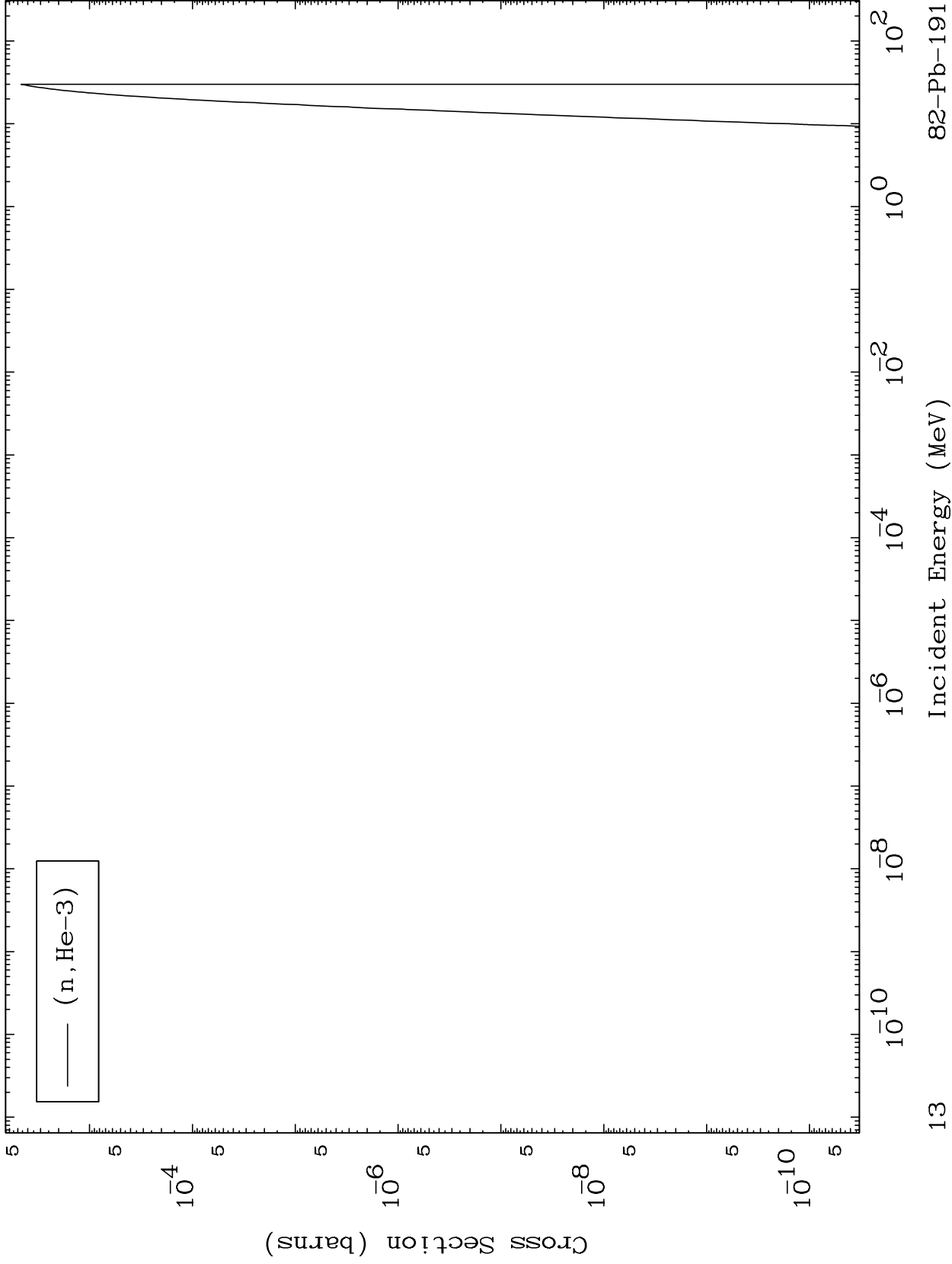
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,He3) Levels
293 Kelvin Cross Sections

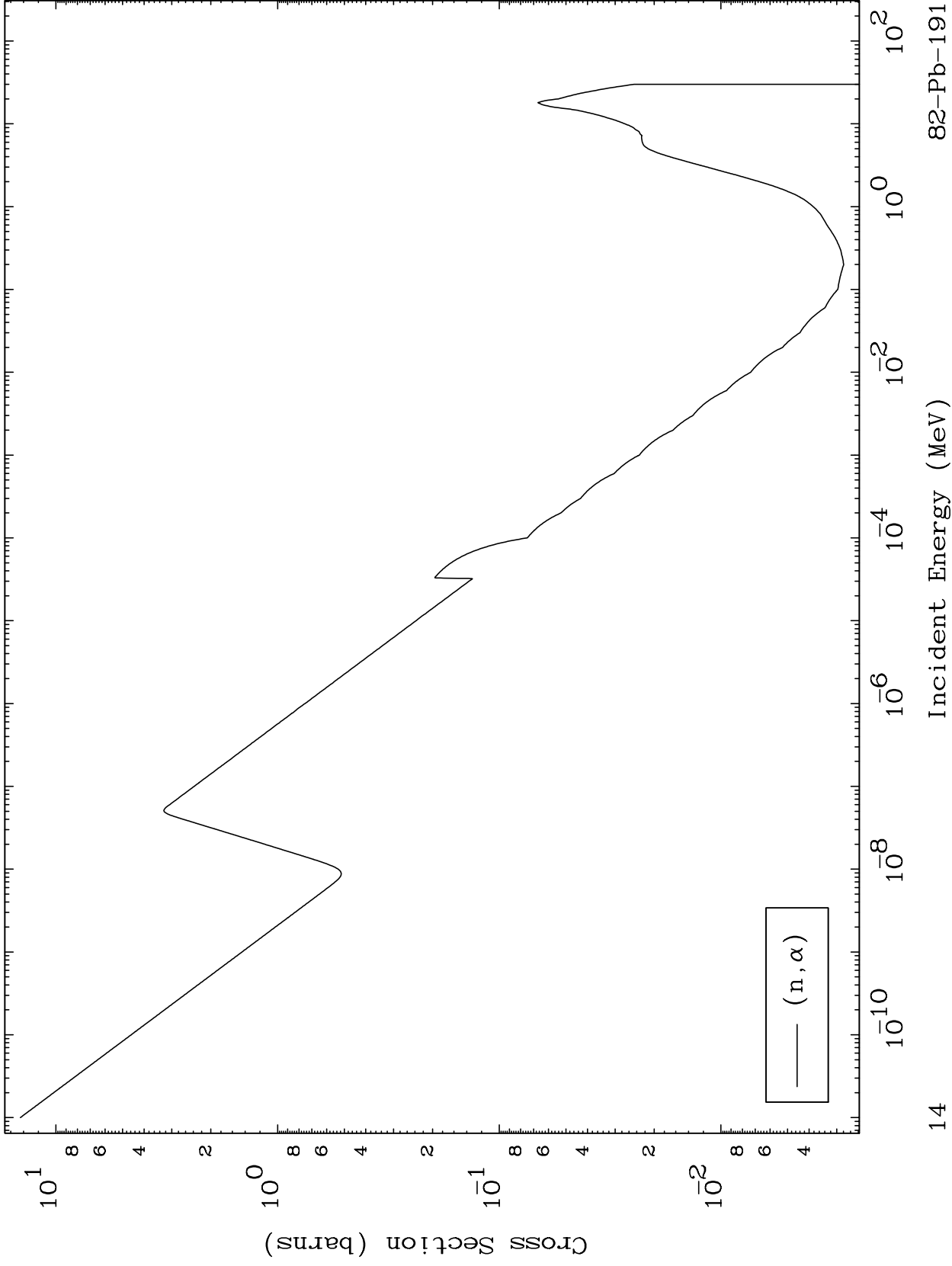
82-Pb-191

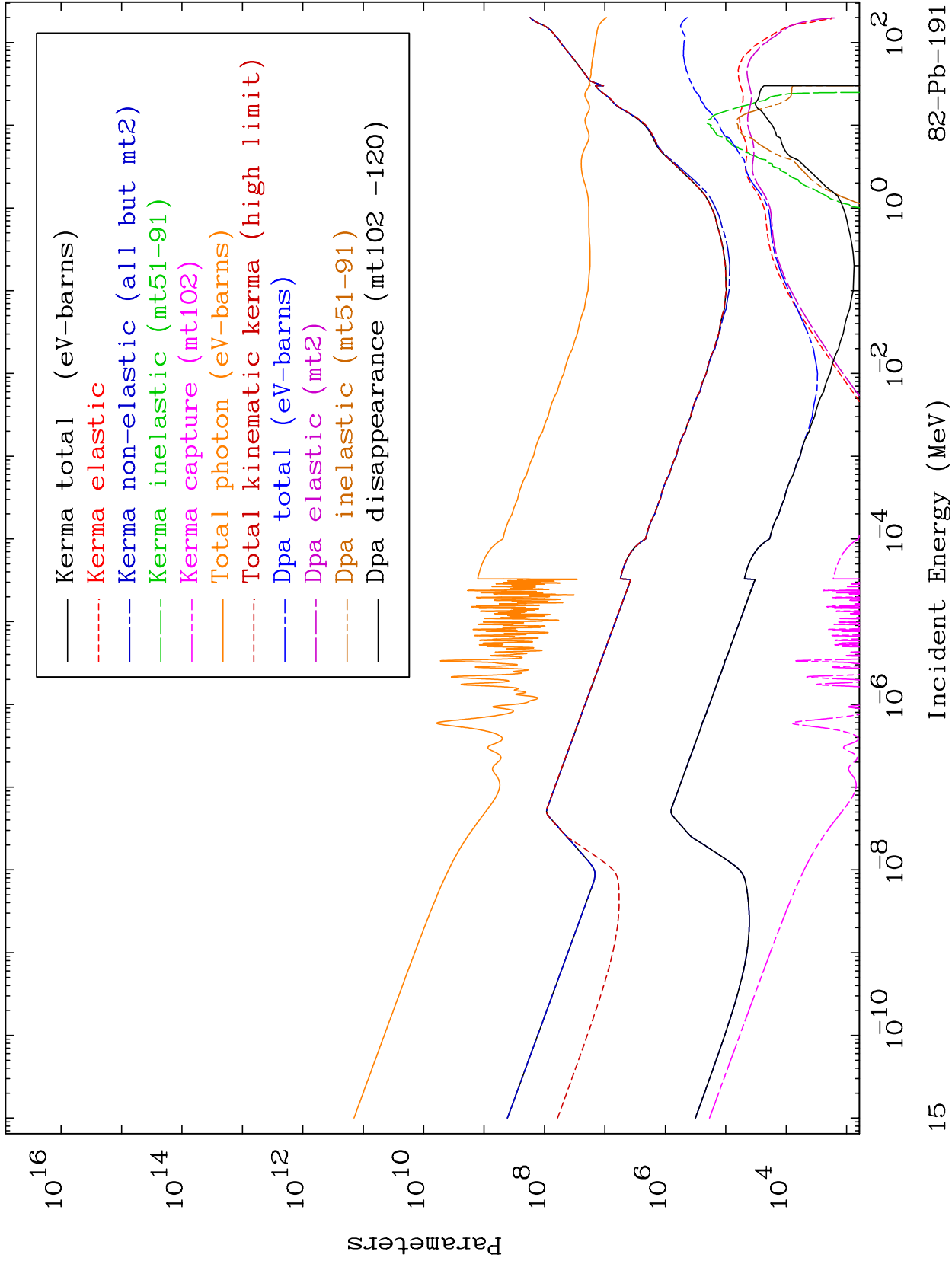


MAT 8186

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-191

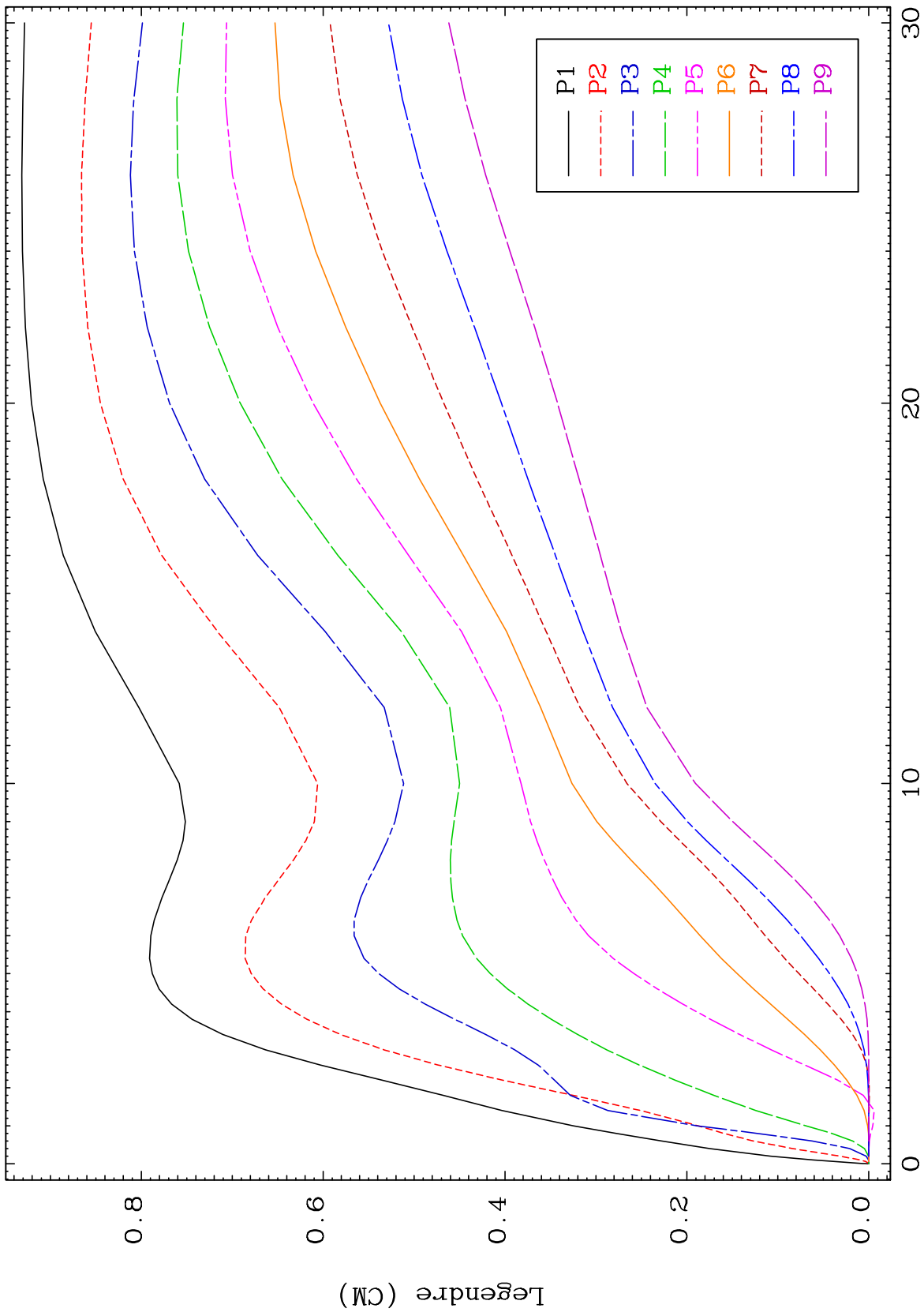




MAT 8186

82-Pb-191

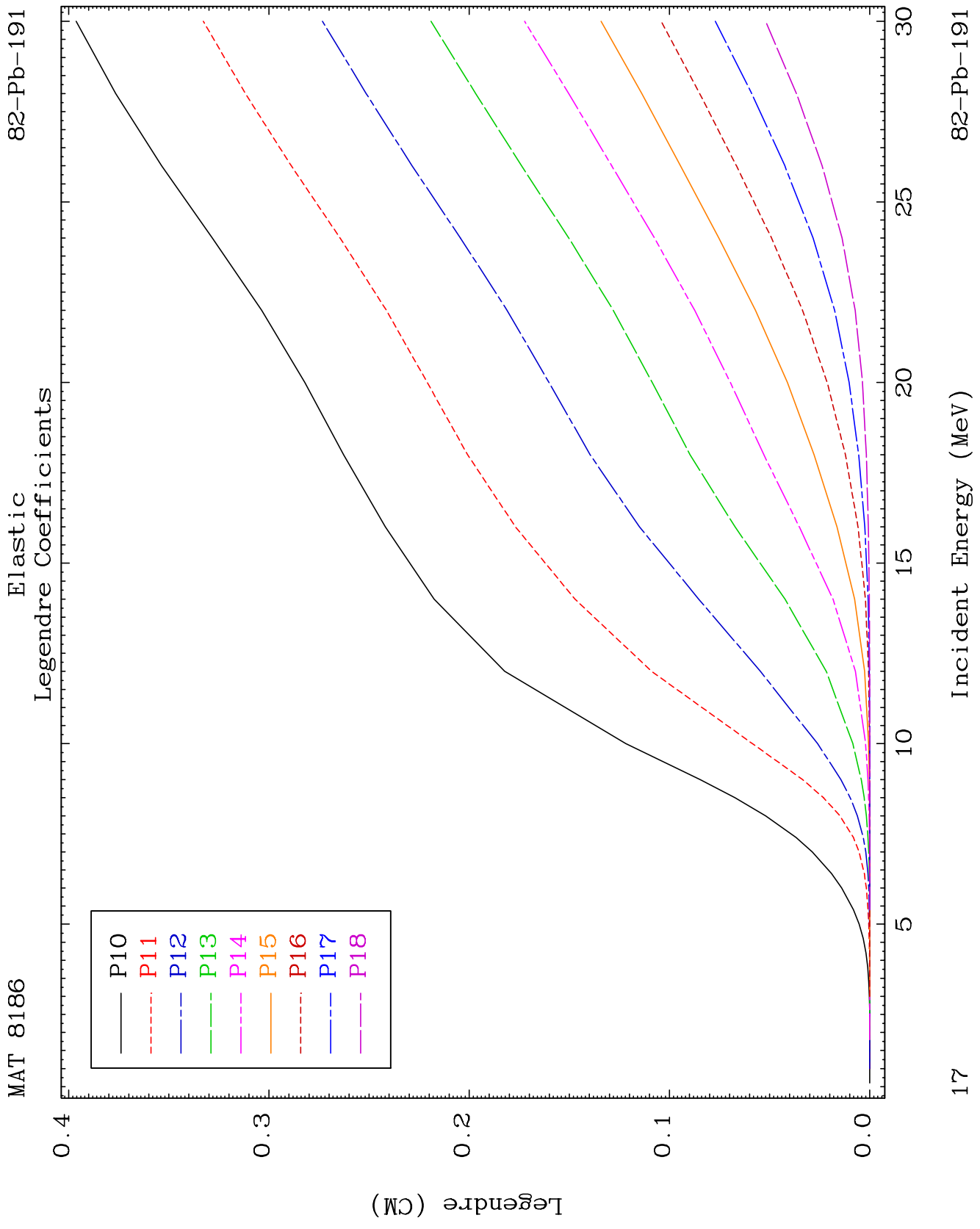
Elastic Legendre Coefficients



16

Incident Energy (MeV)

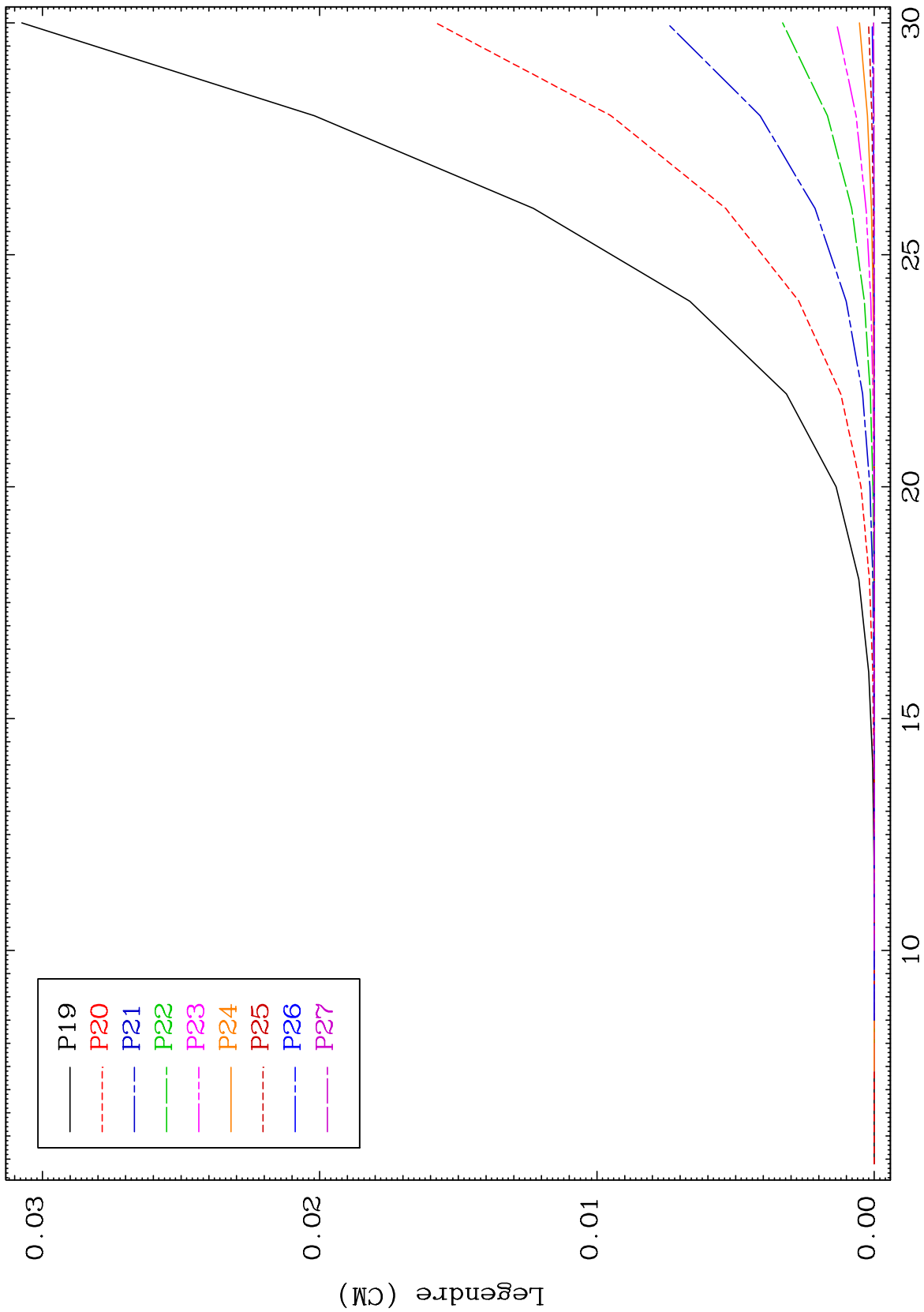
82-Pb-191



MAT 8186

Elastic
Legendre Coefficients

82-Pb-191



18

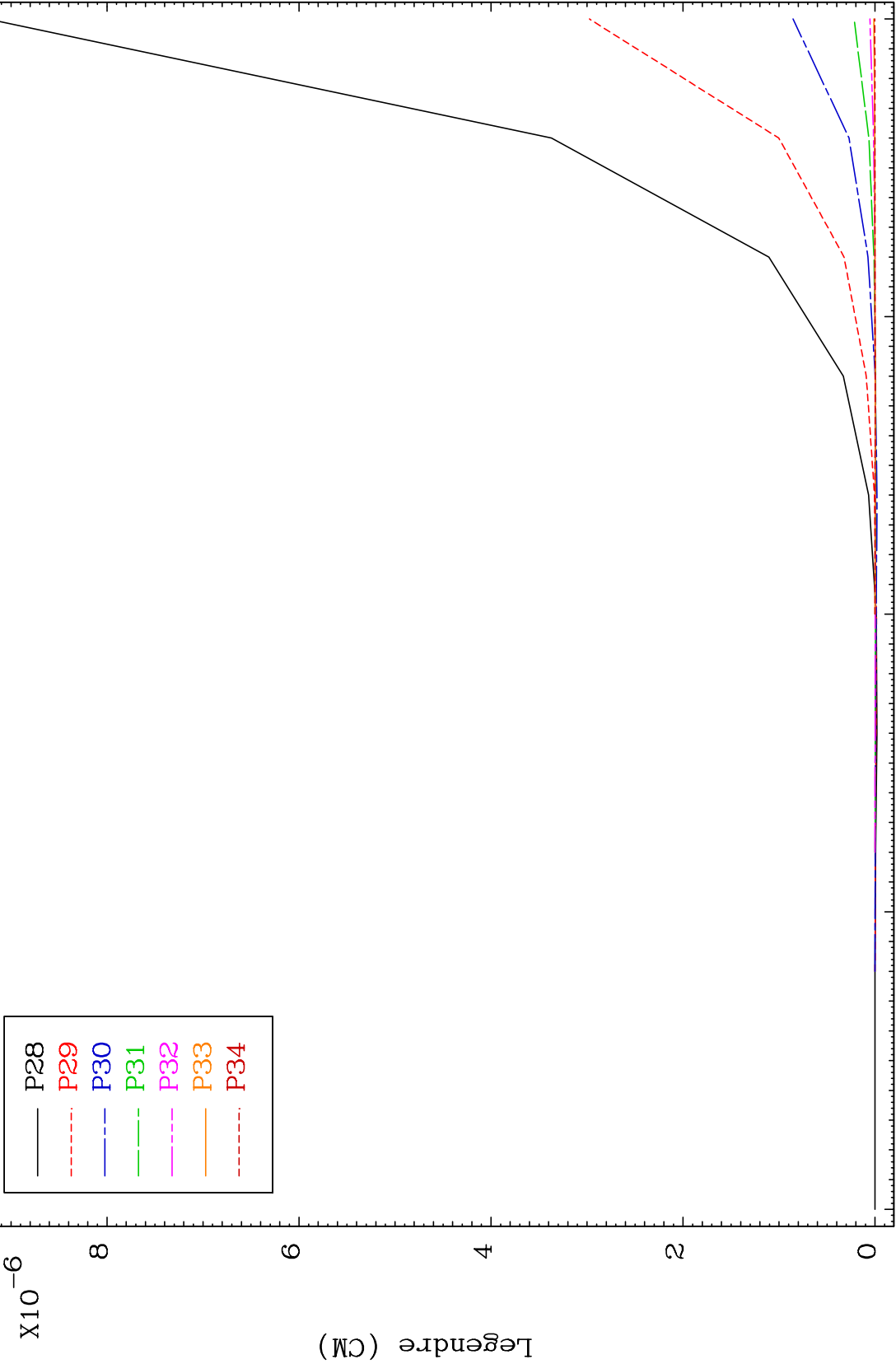
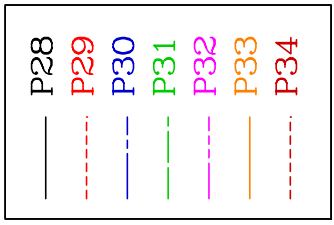
Incident Energy (MeV)

82-Pb-191

MAT 8186

Elastic
Legendre Coefficients

82-Pb-191



82-Pb-191

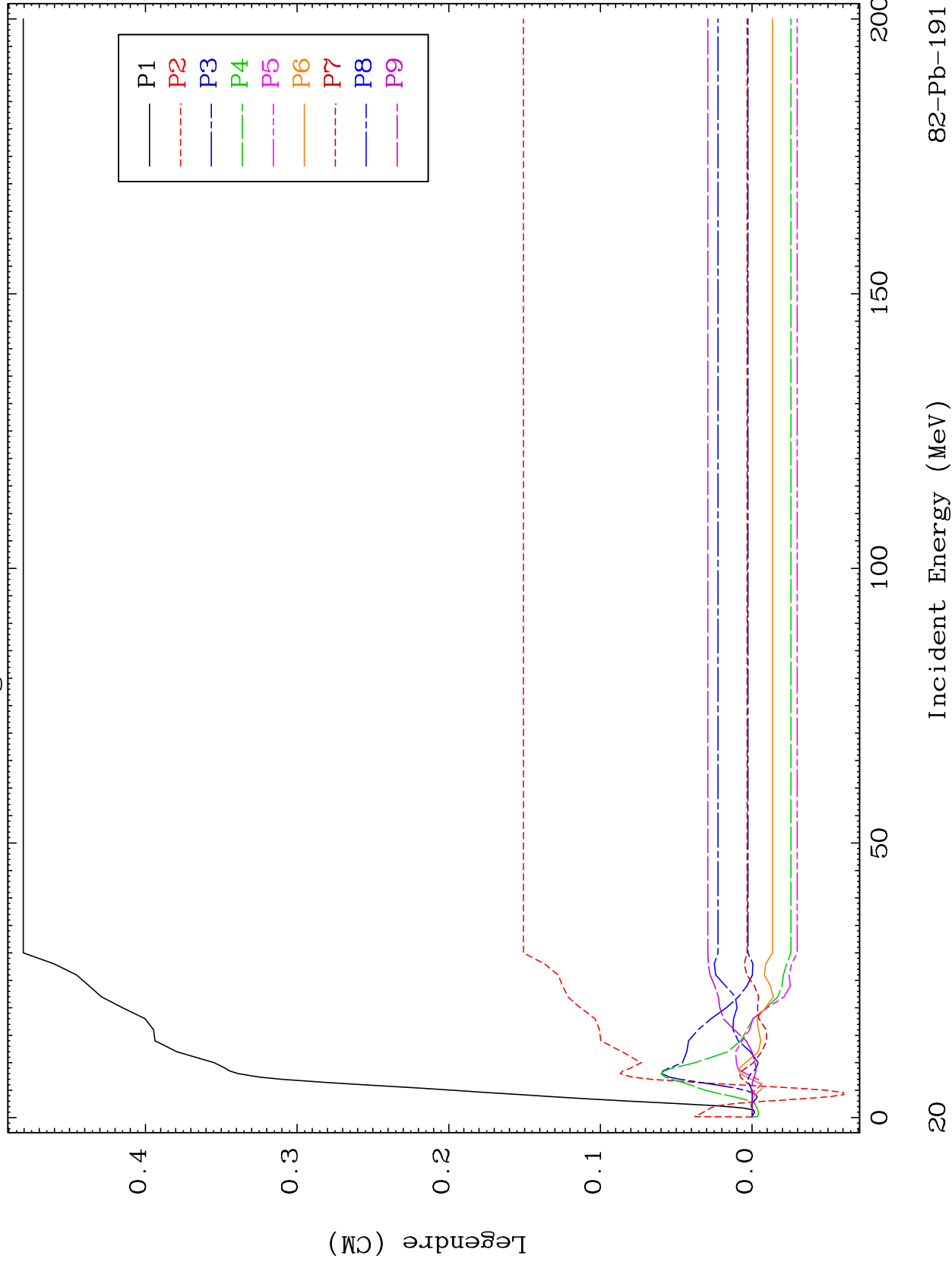
Incident Energy (MeV)

19

MAT 8186

110.0 keV (n,n') Level
Legendre Coefficients

82-Pb-191



82-Pb-191

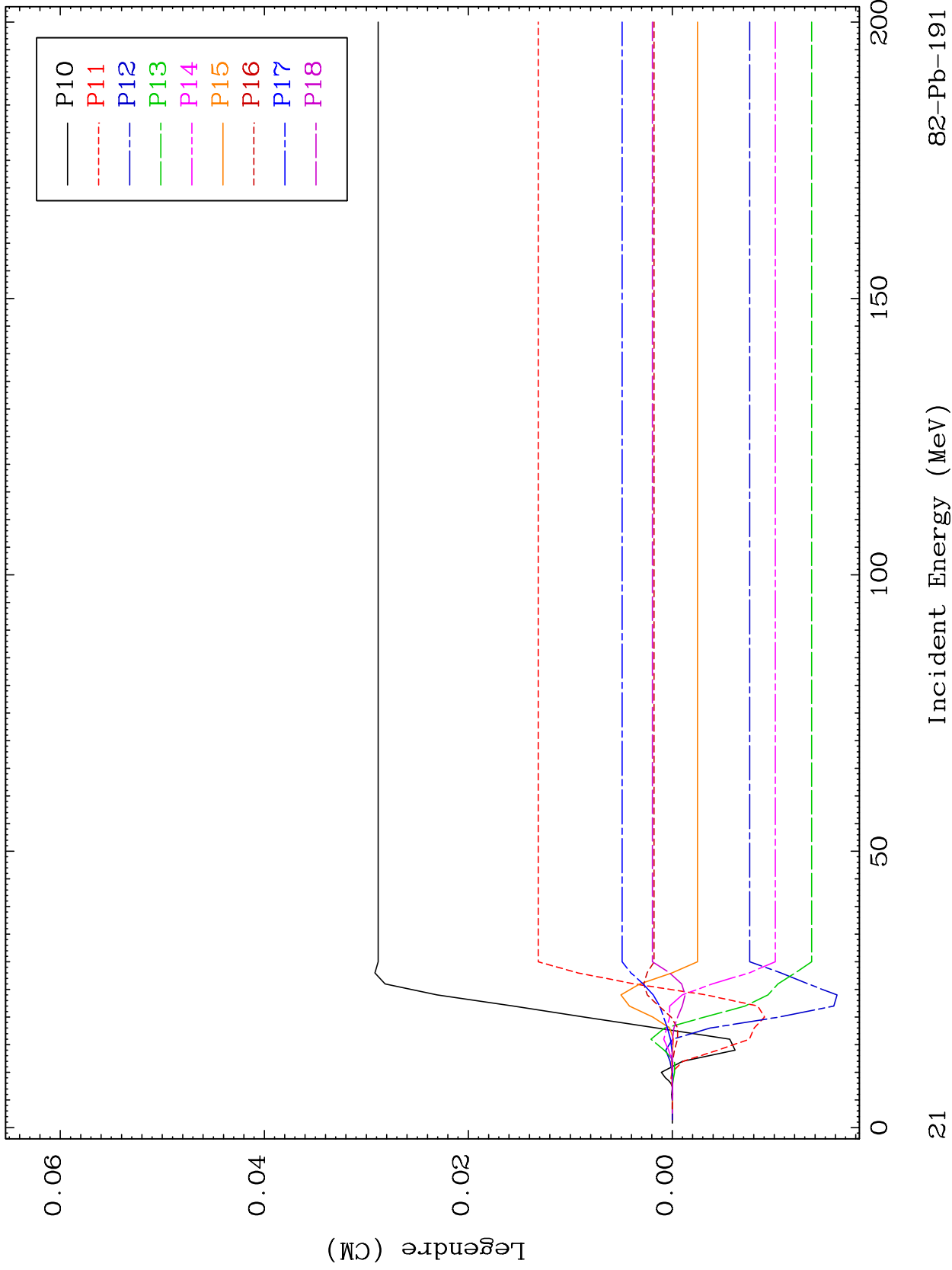
Incident Energy (MeV)

0

MAT 8186

110.0 keV (n,n') Level
Legendre Coefficients

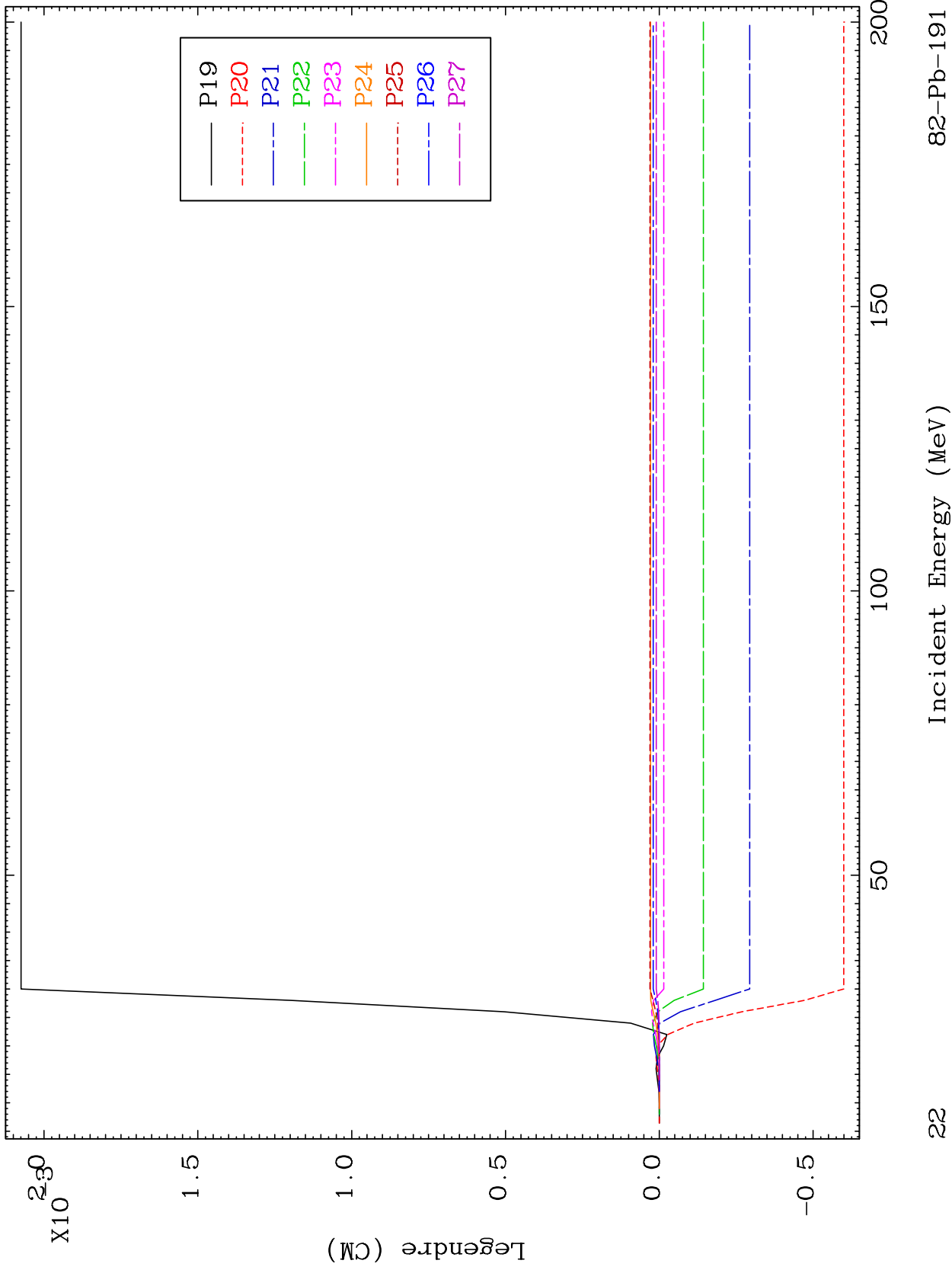
82-Pb-191

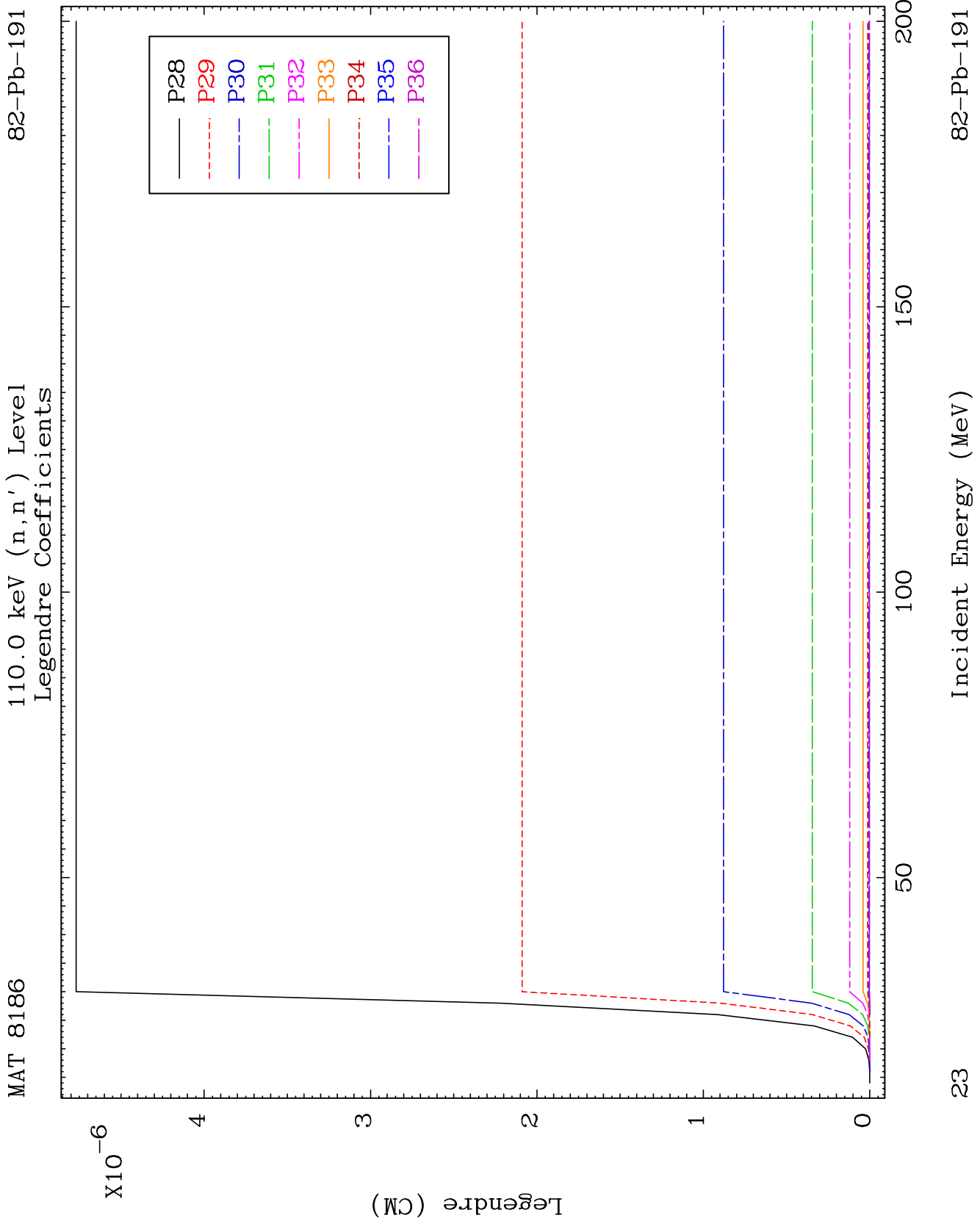


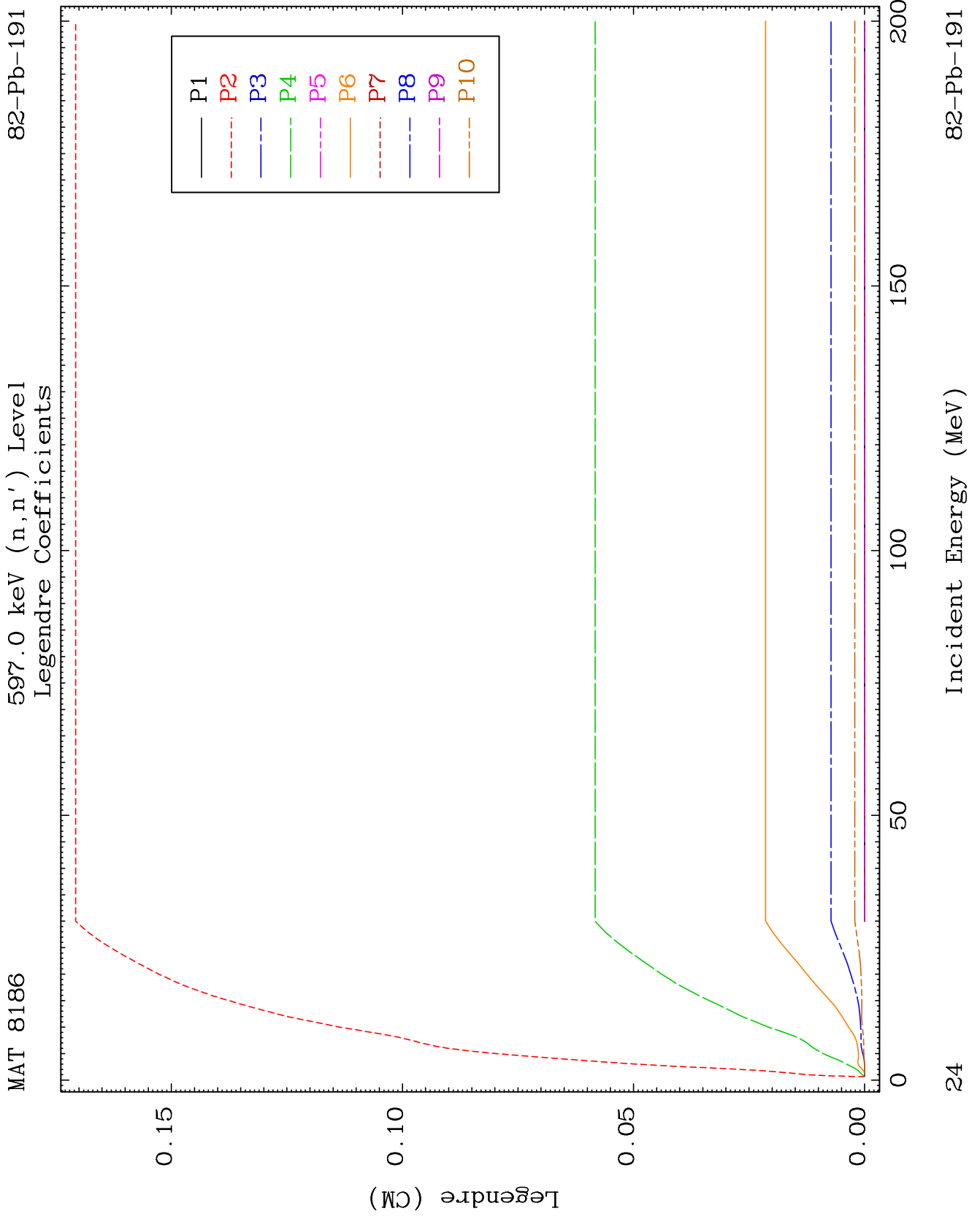
21

Incident Energy (MeV)

82-Pb-191



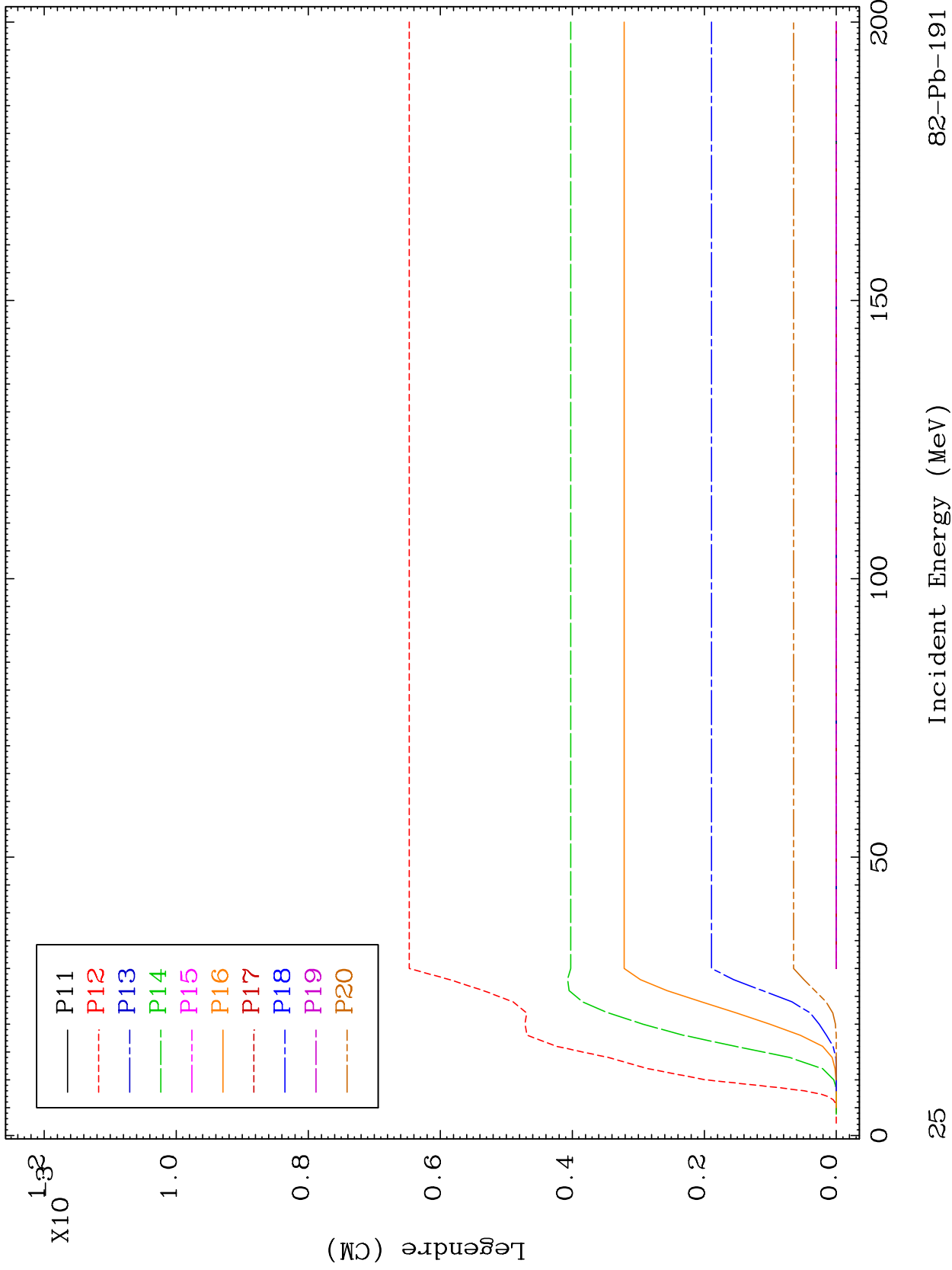




MAT 8186

597.0 keV (n,n') Level
Legendre Coefficients

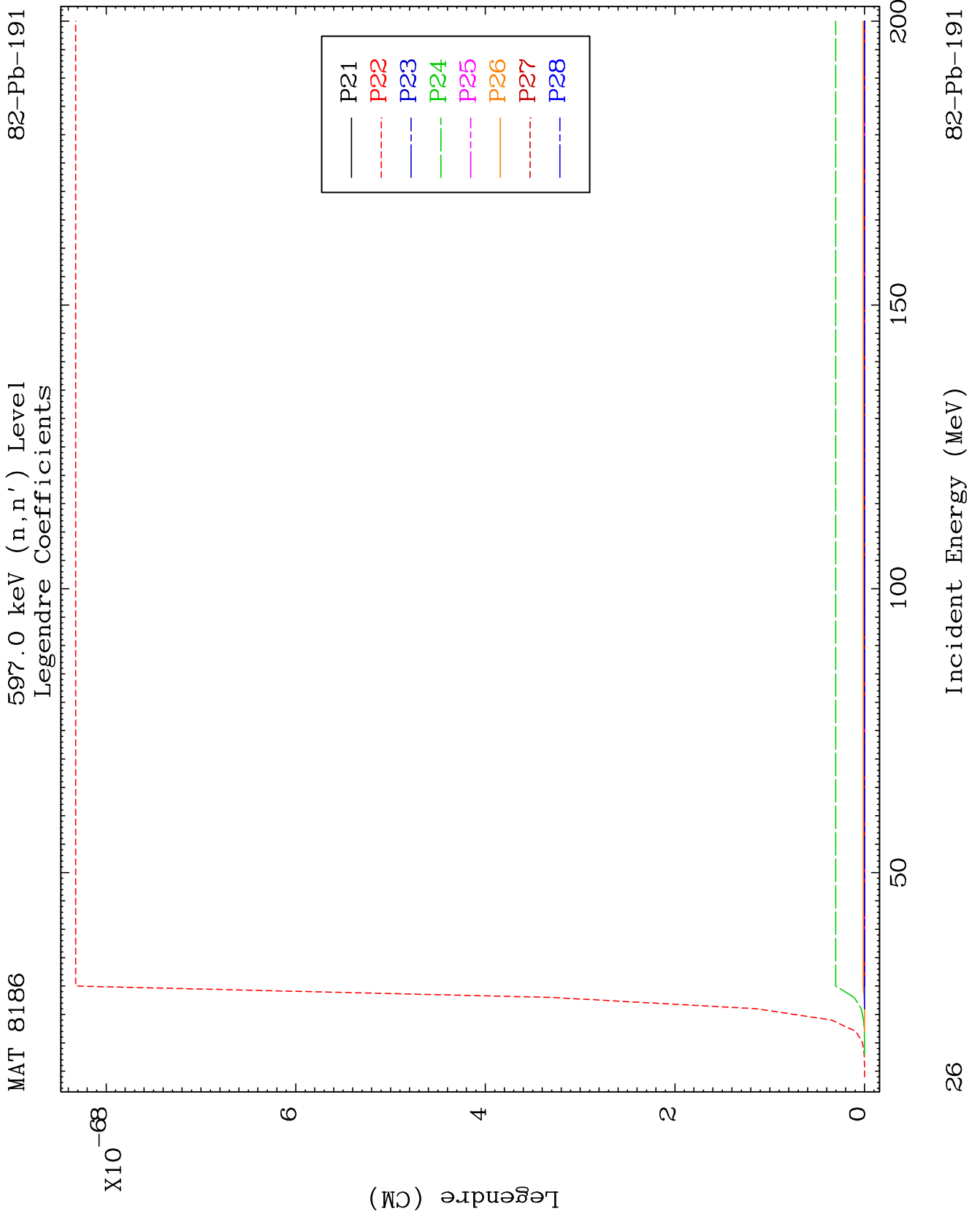
82-Pb-191



82-Pb-191

Incident Energy (MeV)

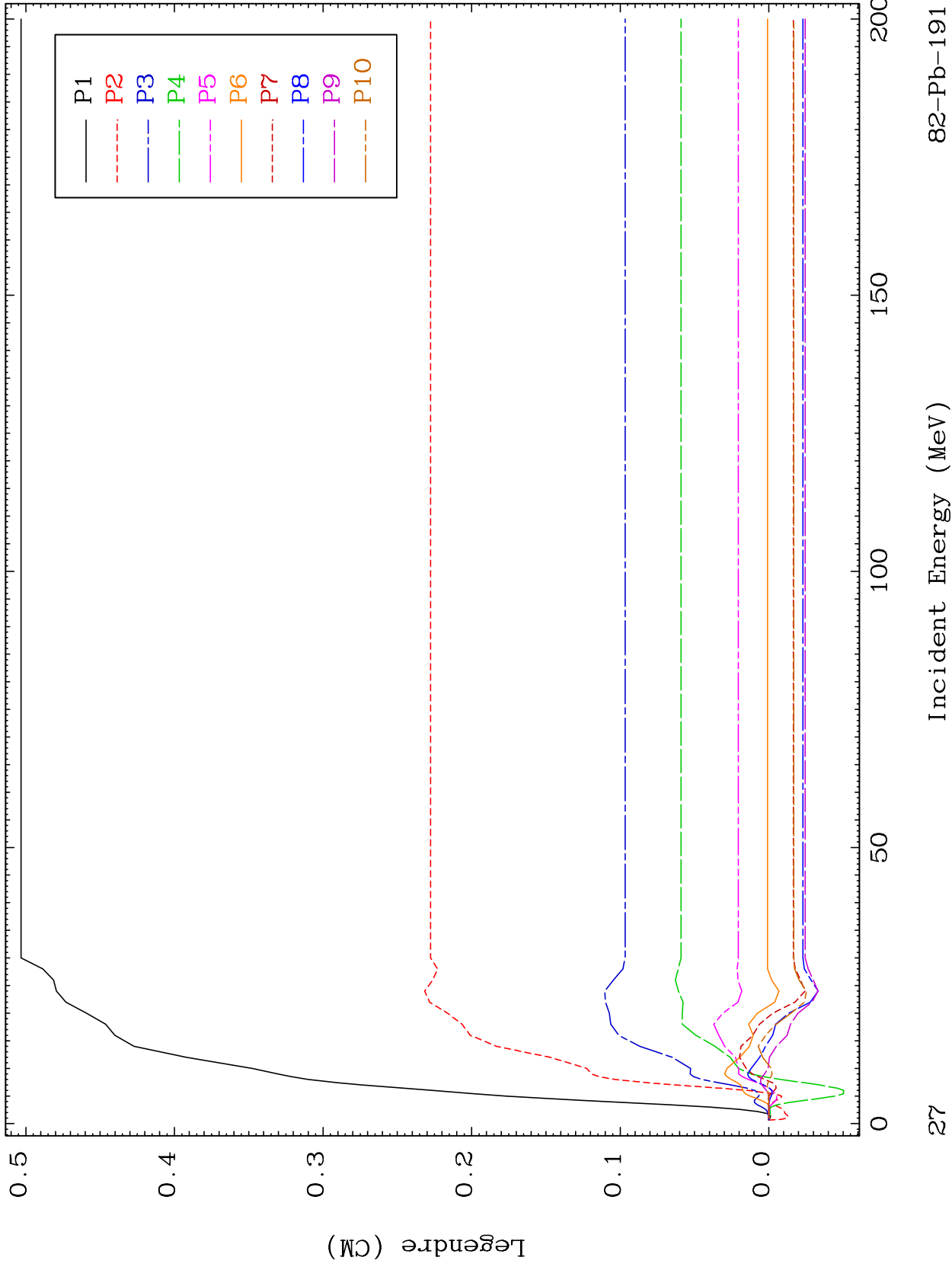
25



MAT 8186

625.4 keV (n,n') Level
Legendre Coefficients

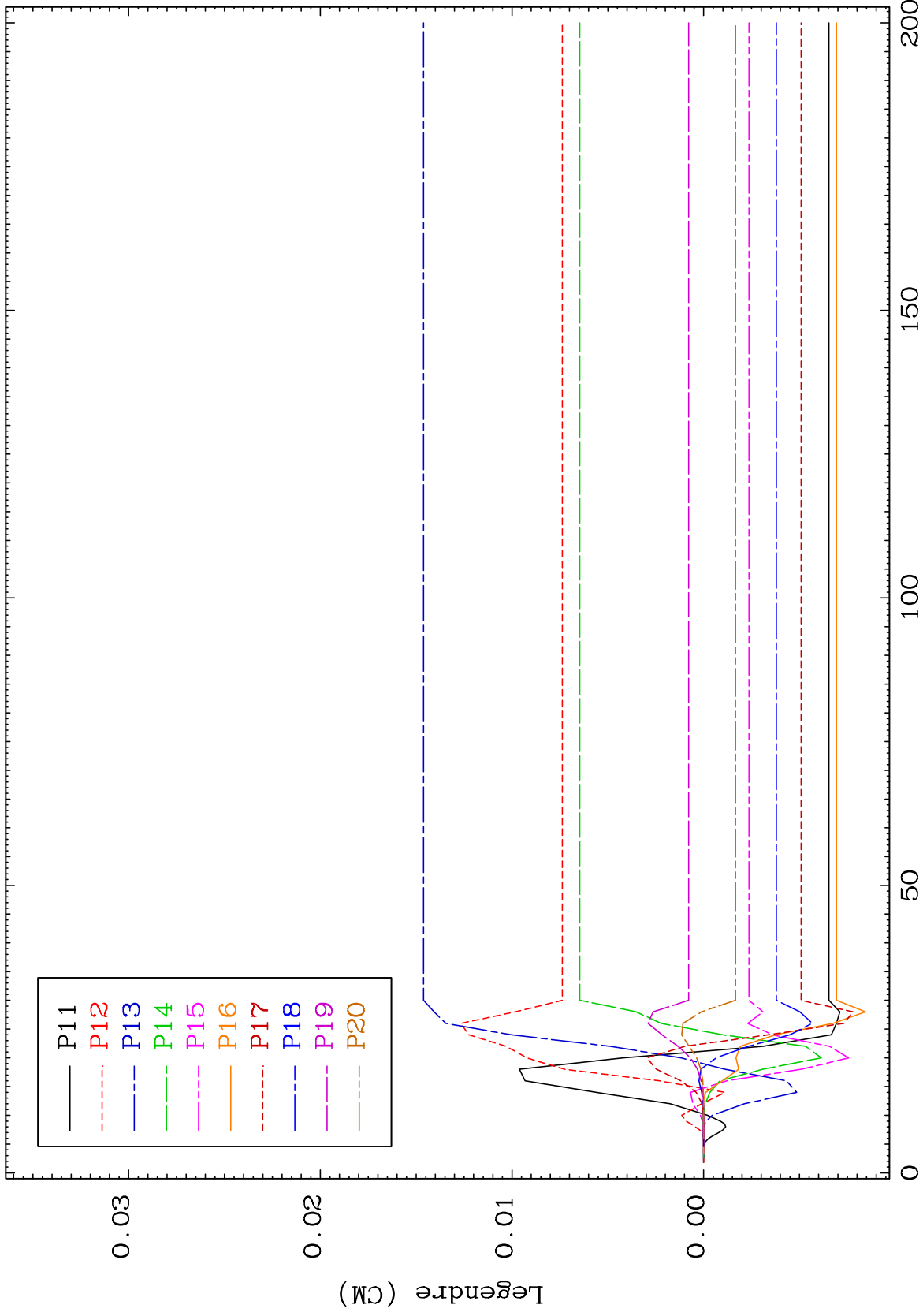
82-Pb-191



MAT 8186

625.4 keV (n,n') Level
Legendre Coefficients

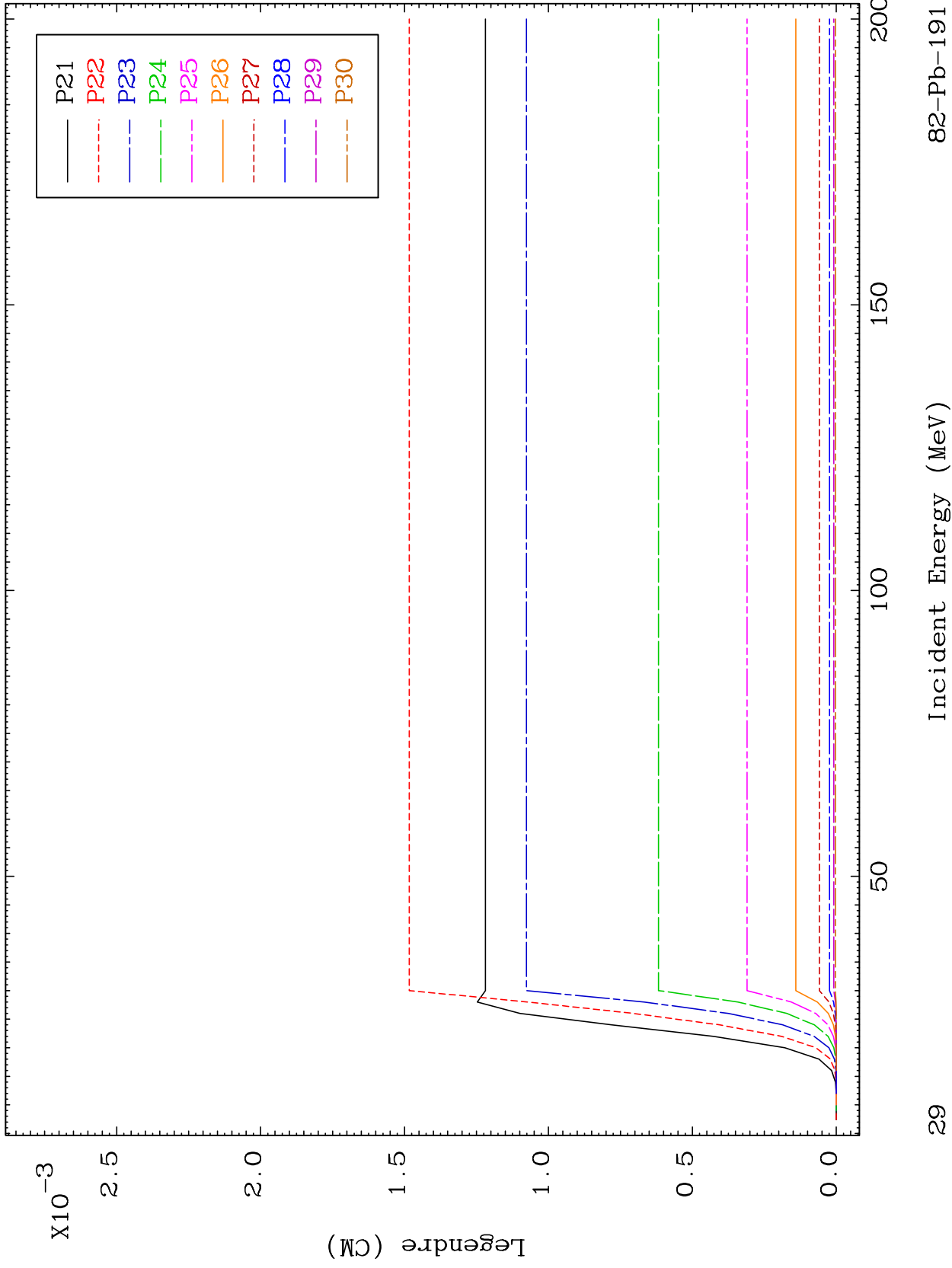
82-Pb-191



28

Incident Energy (MeV)

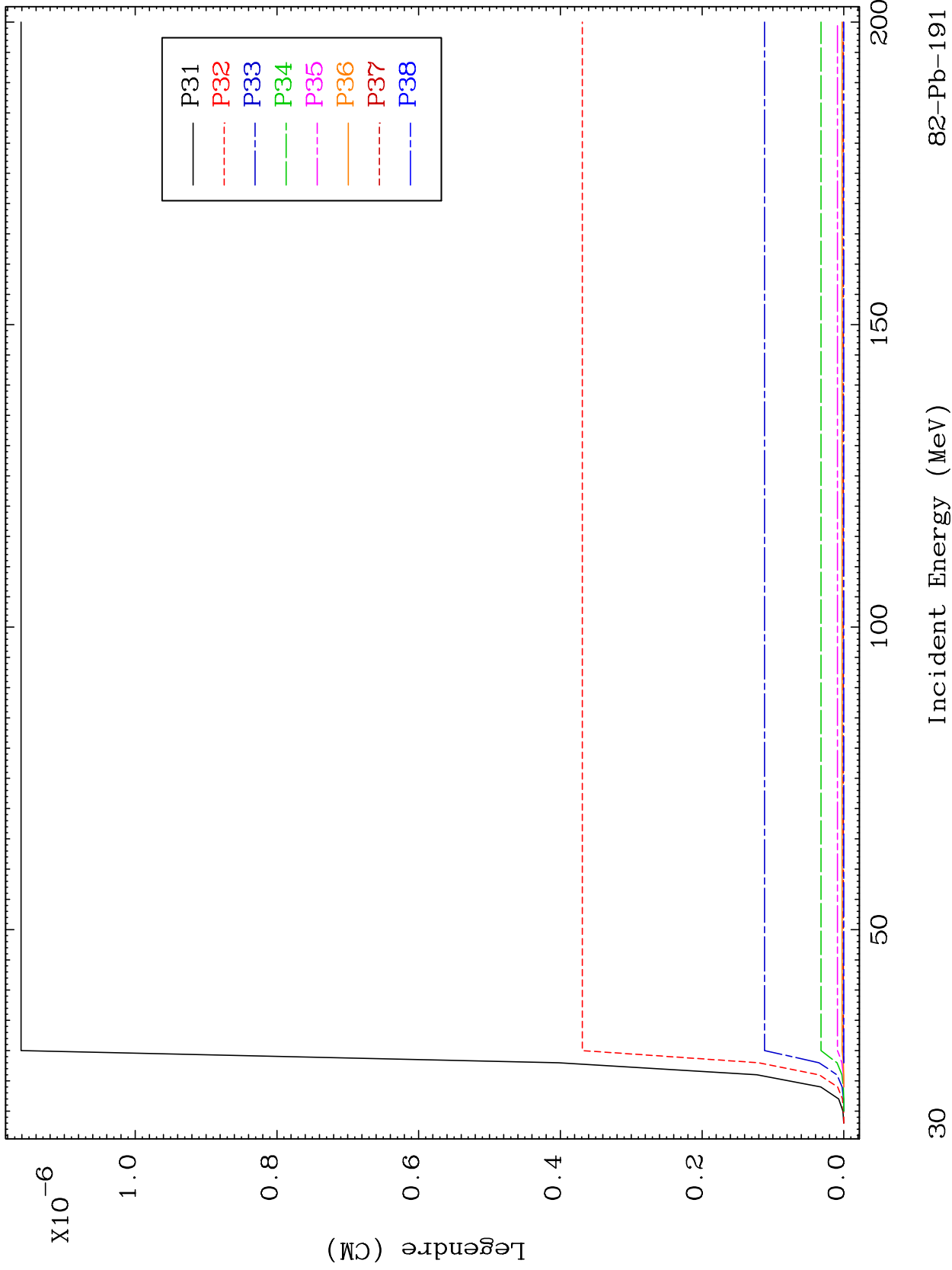
82-Pb-191



MAT 8186

625.4 keV (n,n') Level
Legendre Coefficients

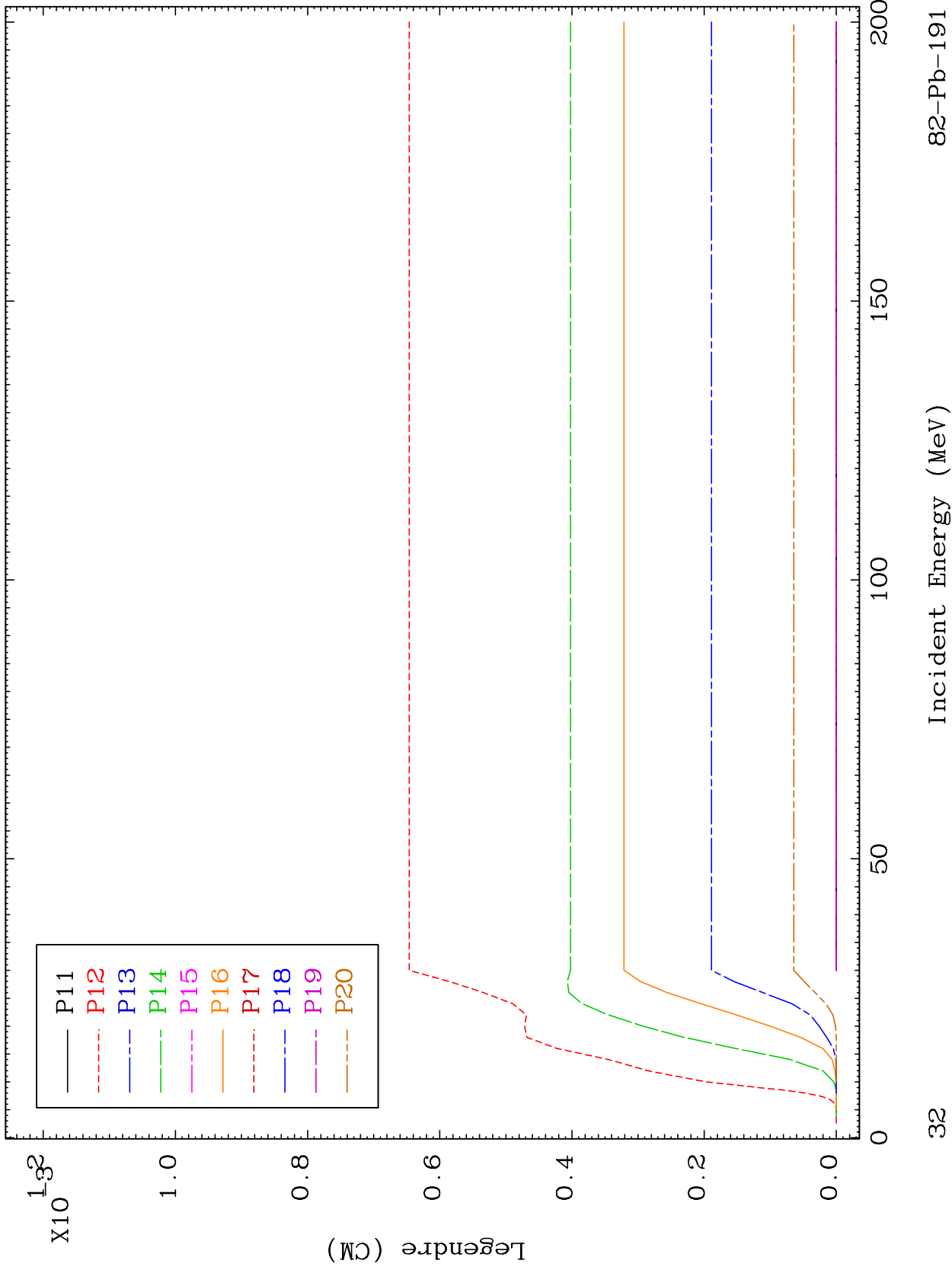
82-Pb-191



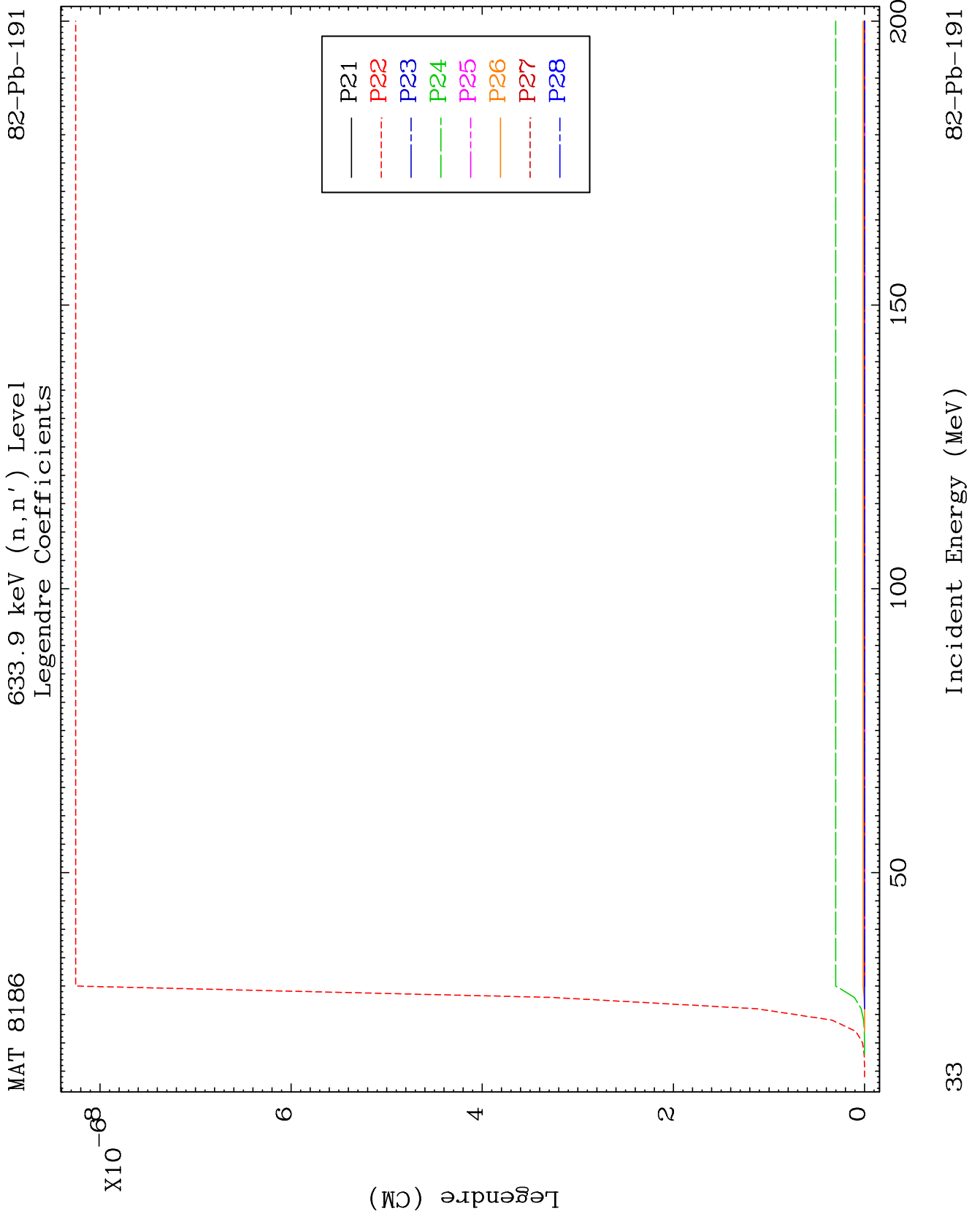
MAT 8186

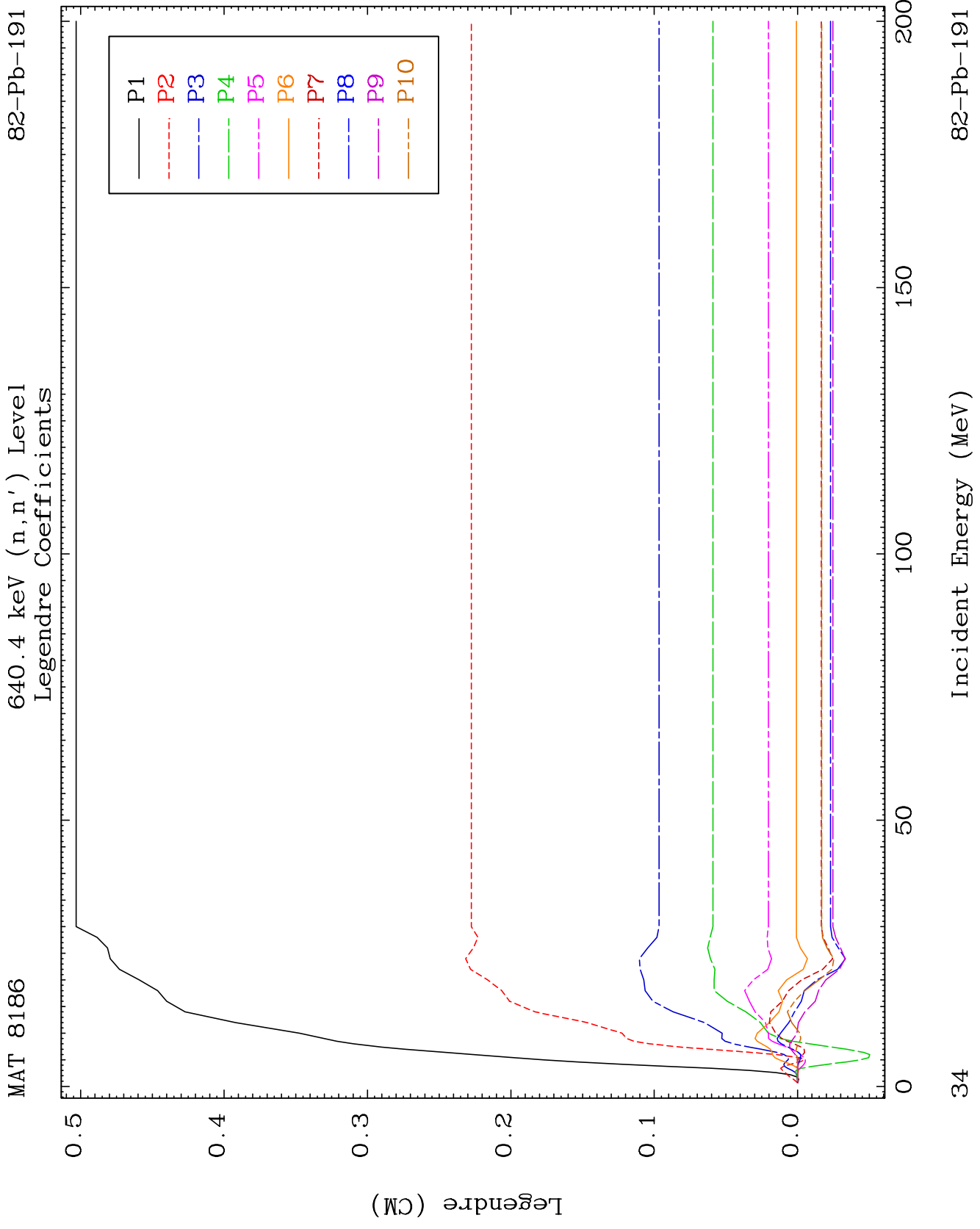
633.9 keV (n,n') Level
Legendre Coefficients

82-Pb-191



32

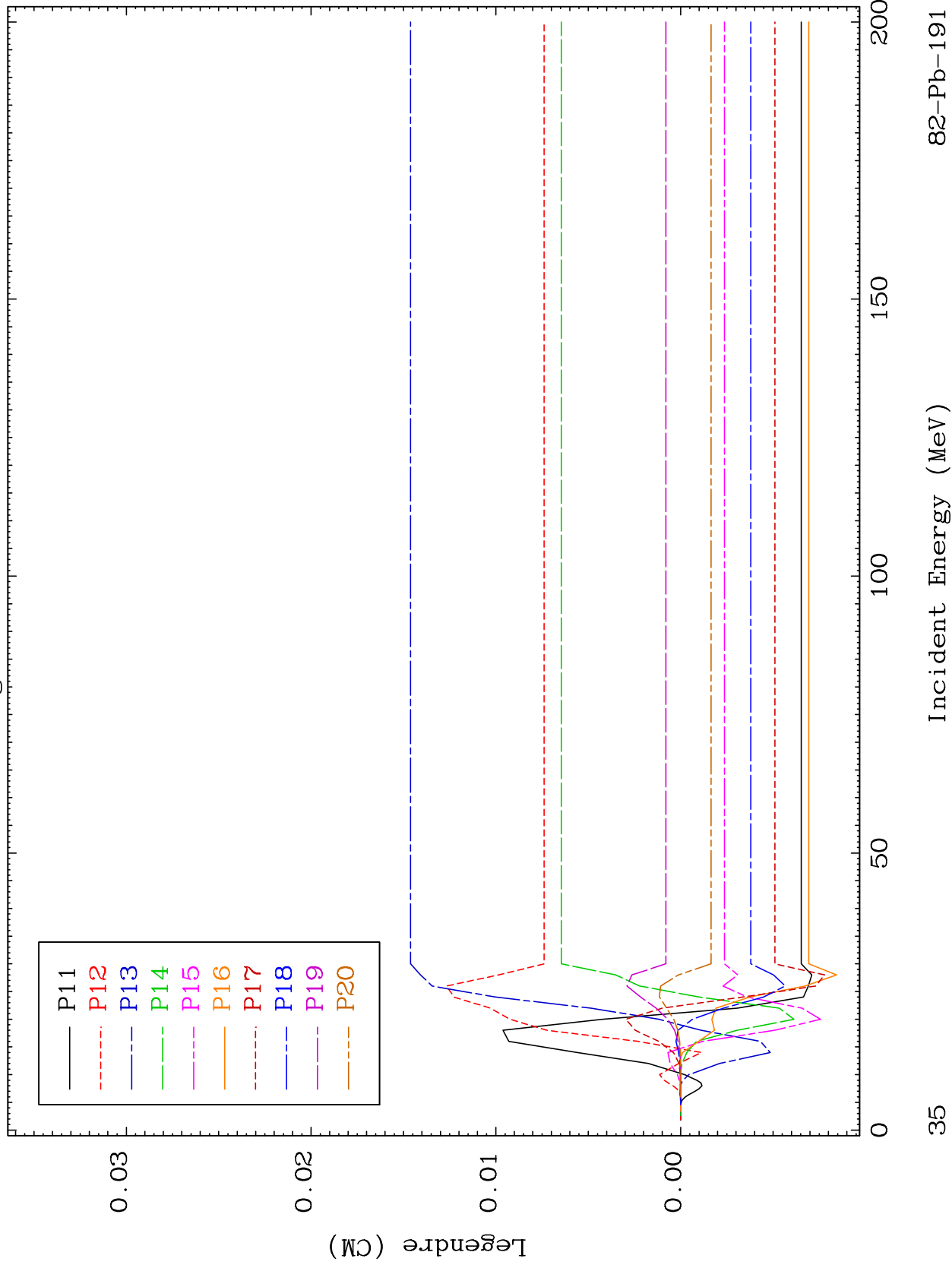




MAT 8186

640.4 keV (n,n') Level
Legendre Coefficients

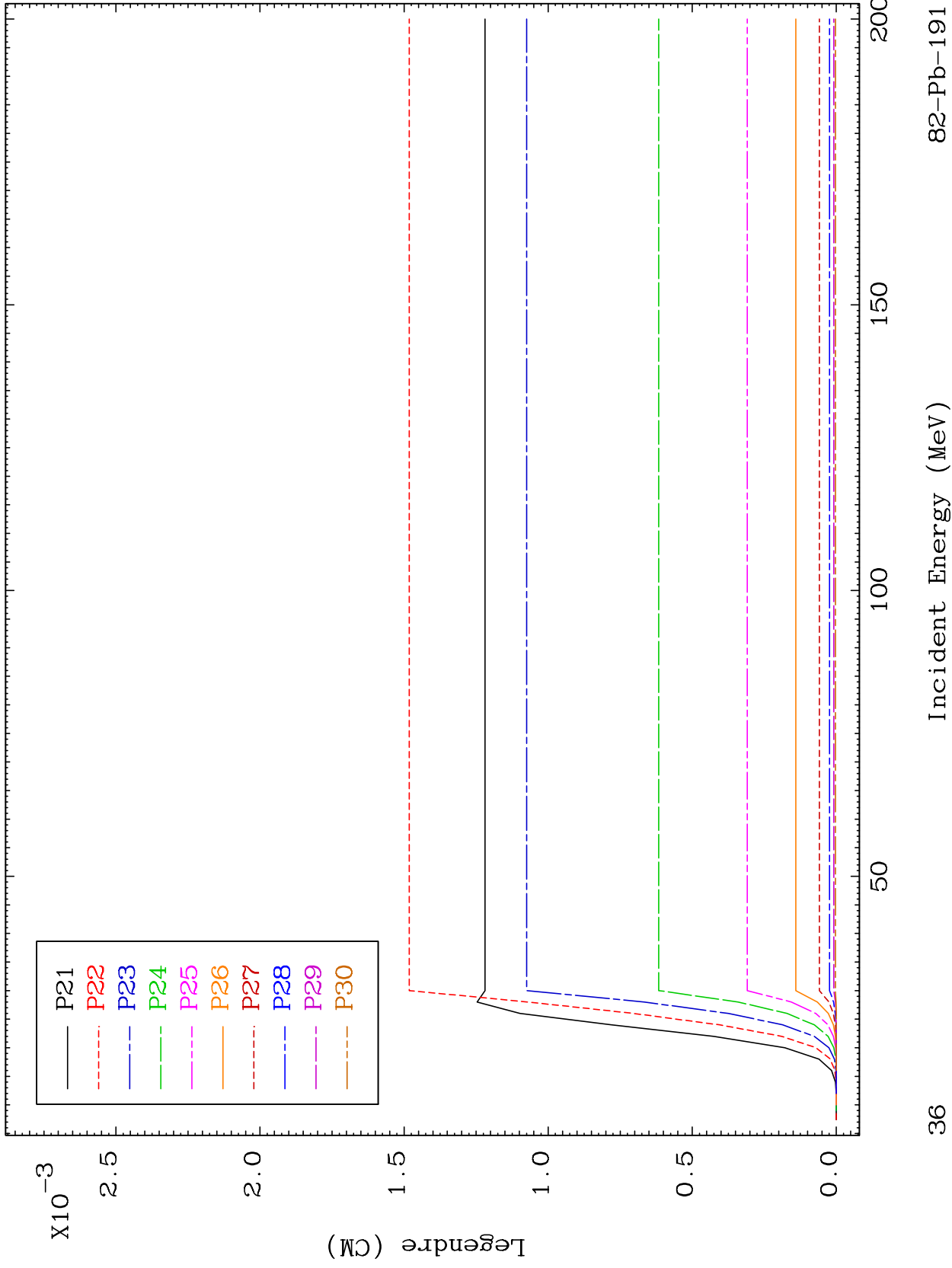
82-Pb-191



82-Pb-191

Incident Energy (MeV)

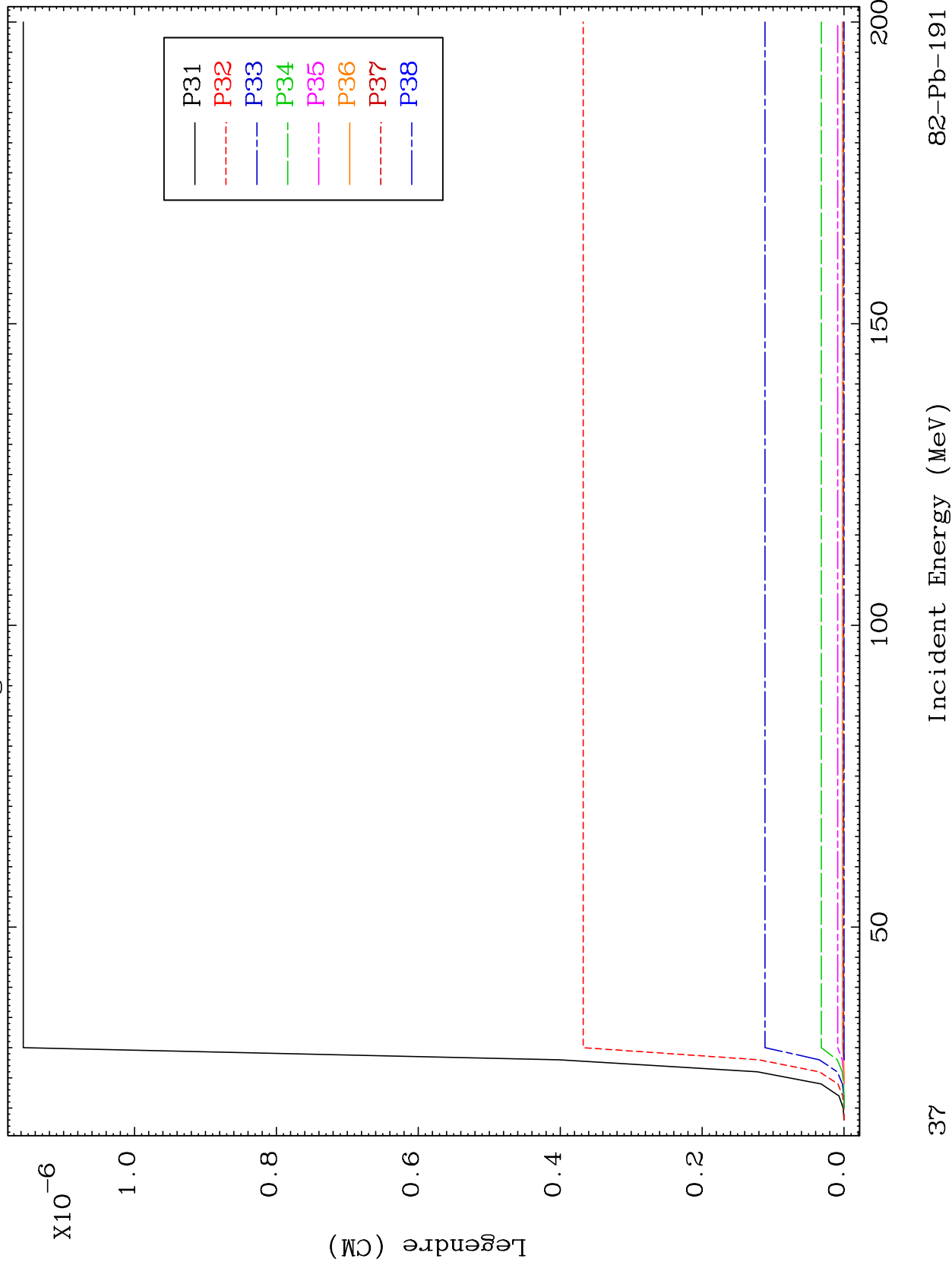
35



MAT 8186

640.4 keV (n,n') Level
Legendre Coefficients

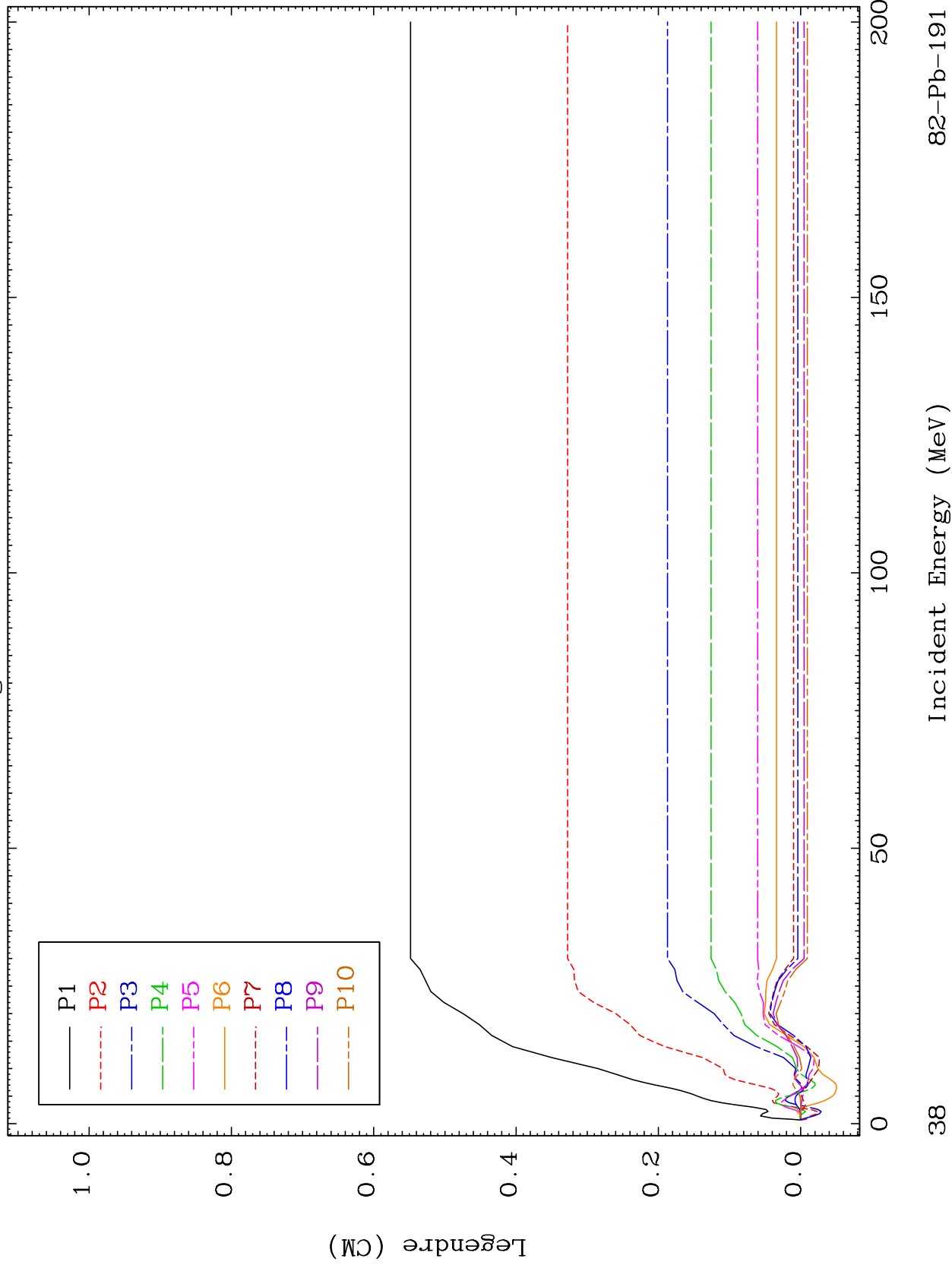
82-Pb-191



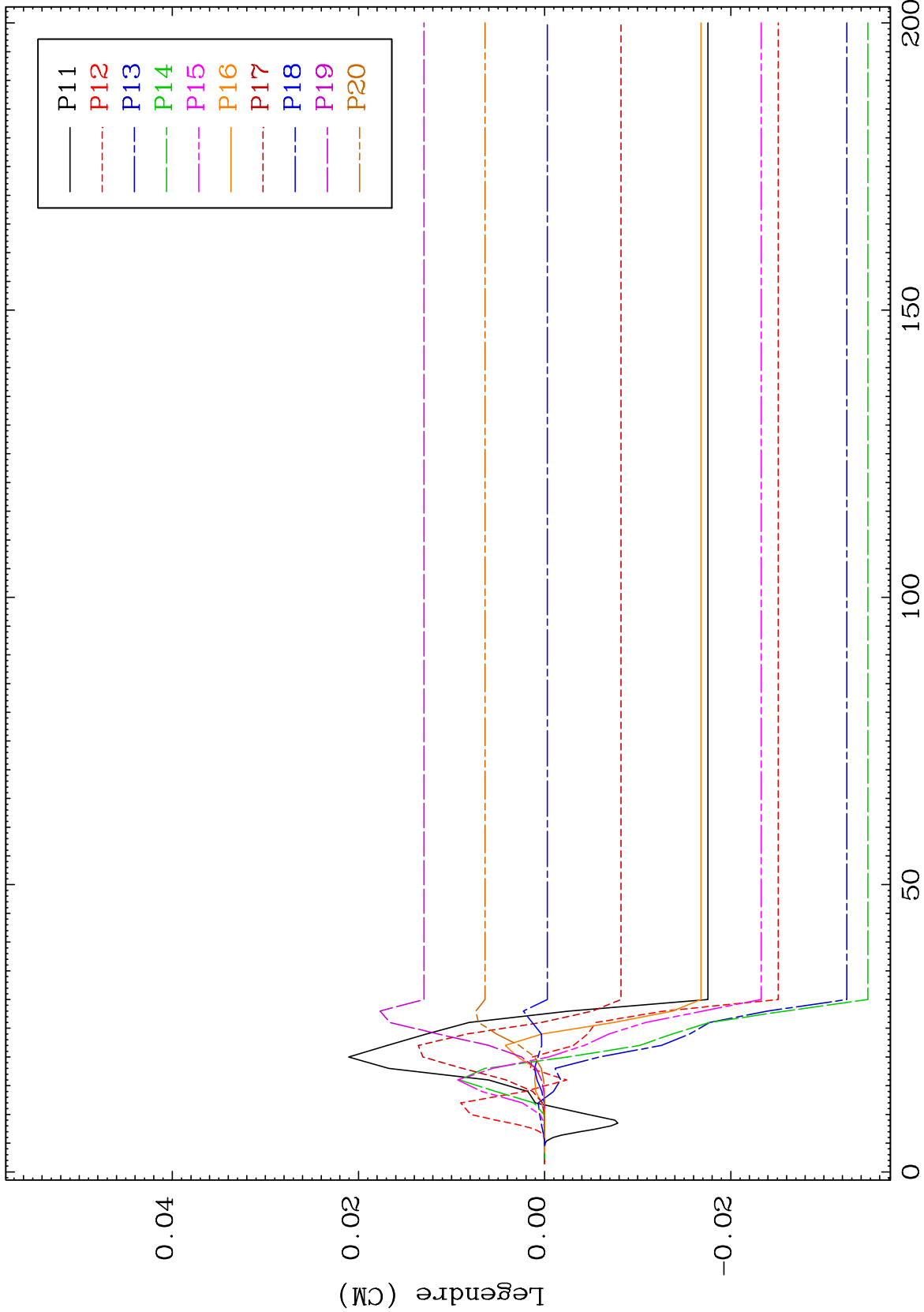
MAT 8186

655.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



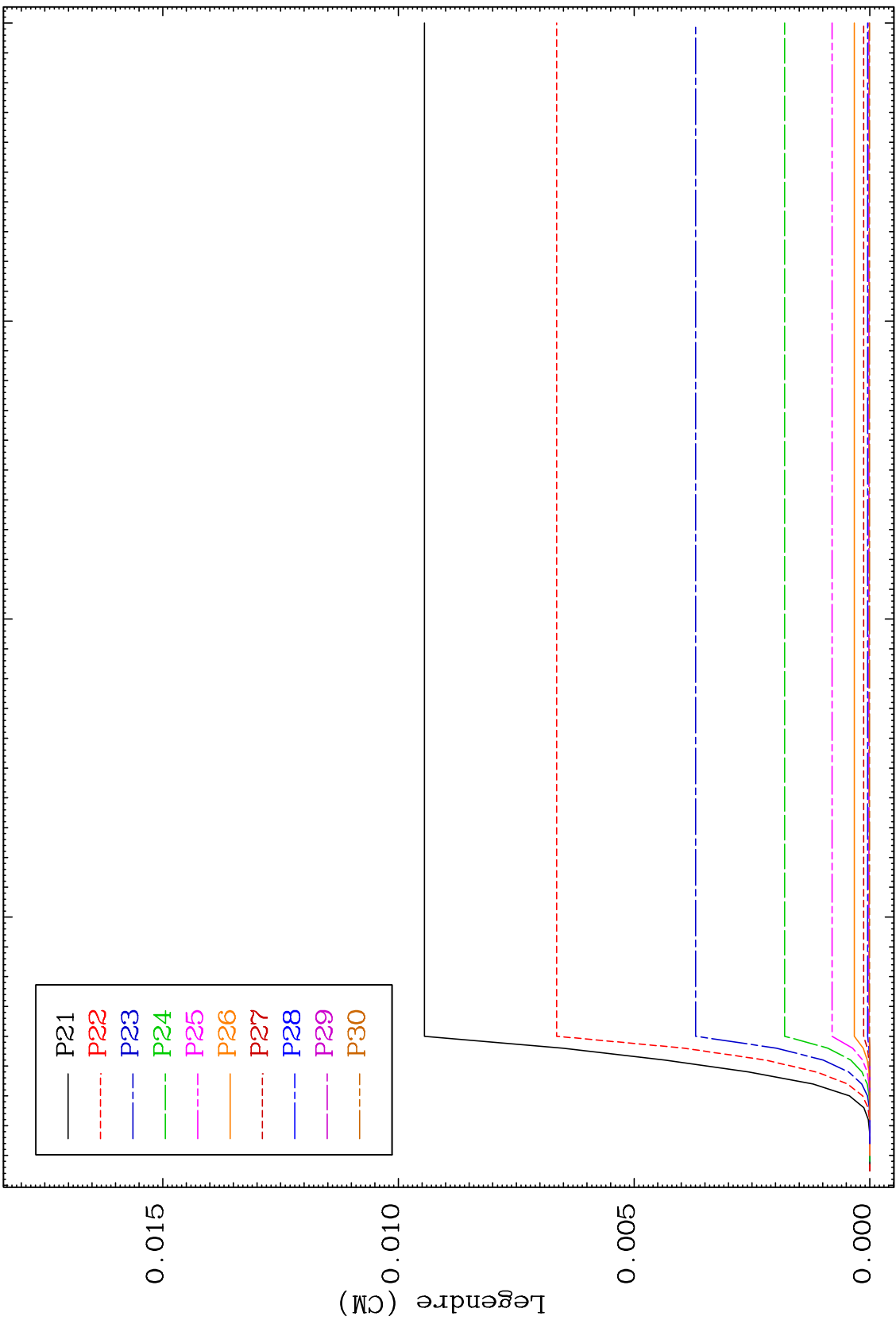
38



MAT 8186

655.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



200

150

100

50

40

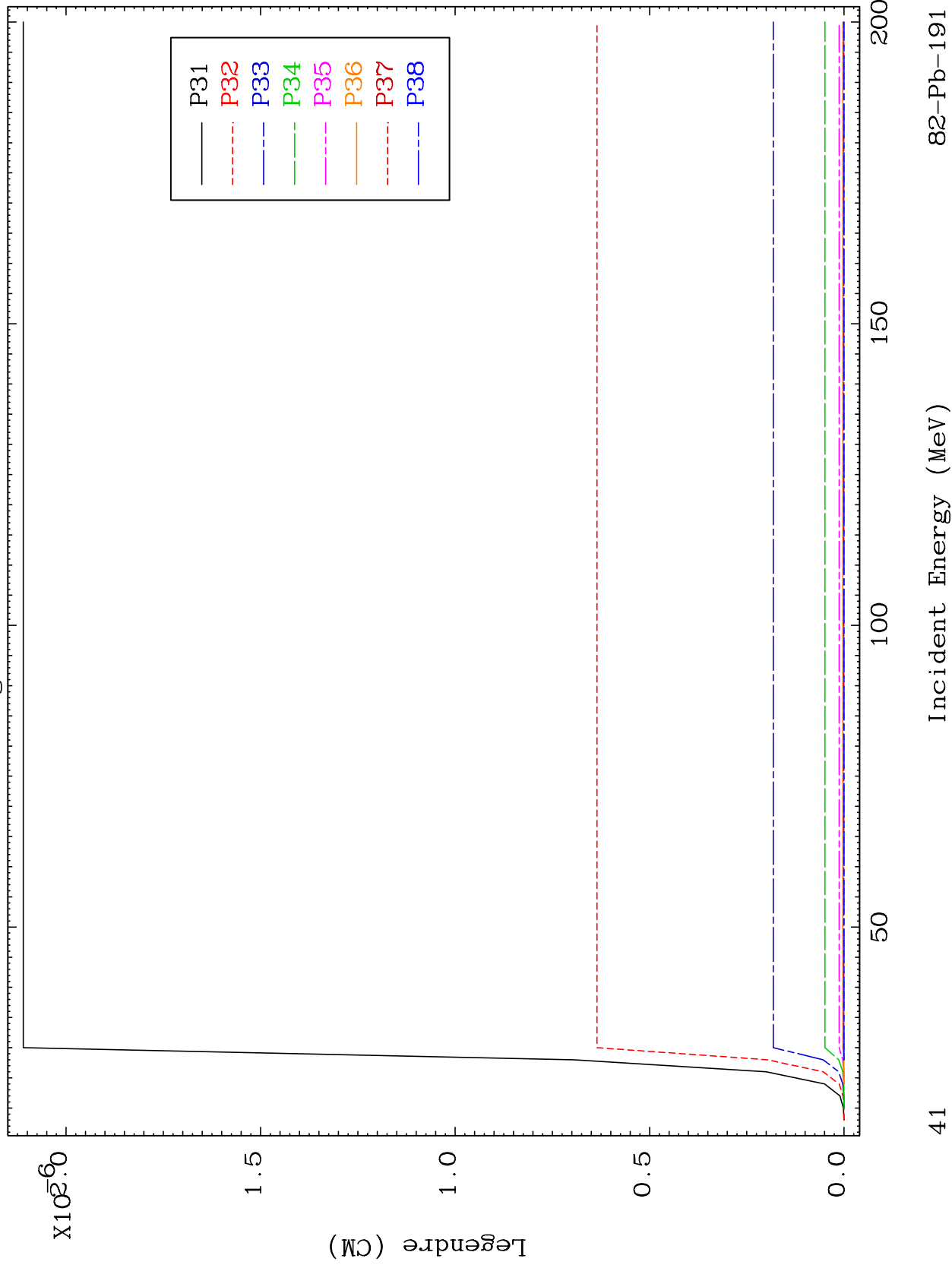
Incident Energy (MeV)

82-Pb-191

MAT 8186

655.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



41

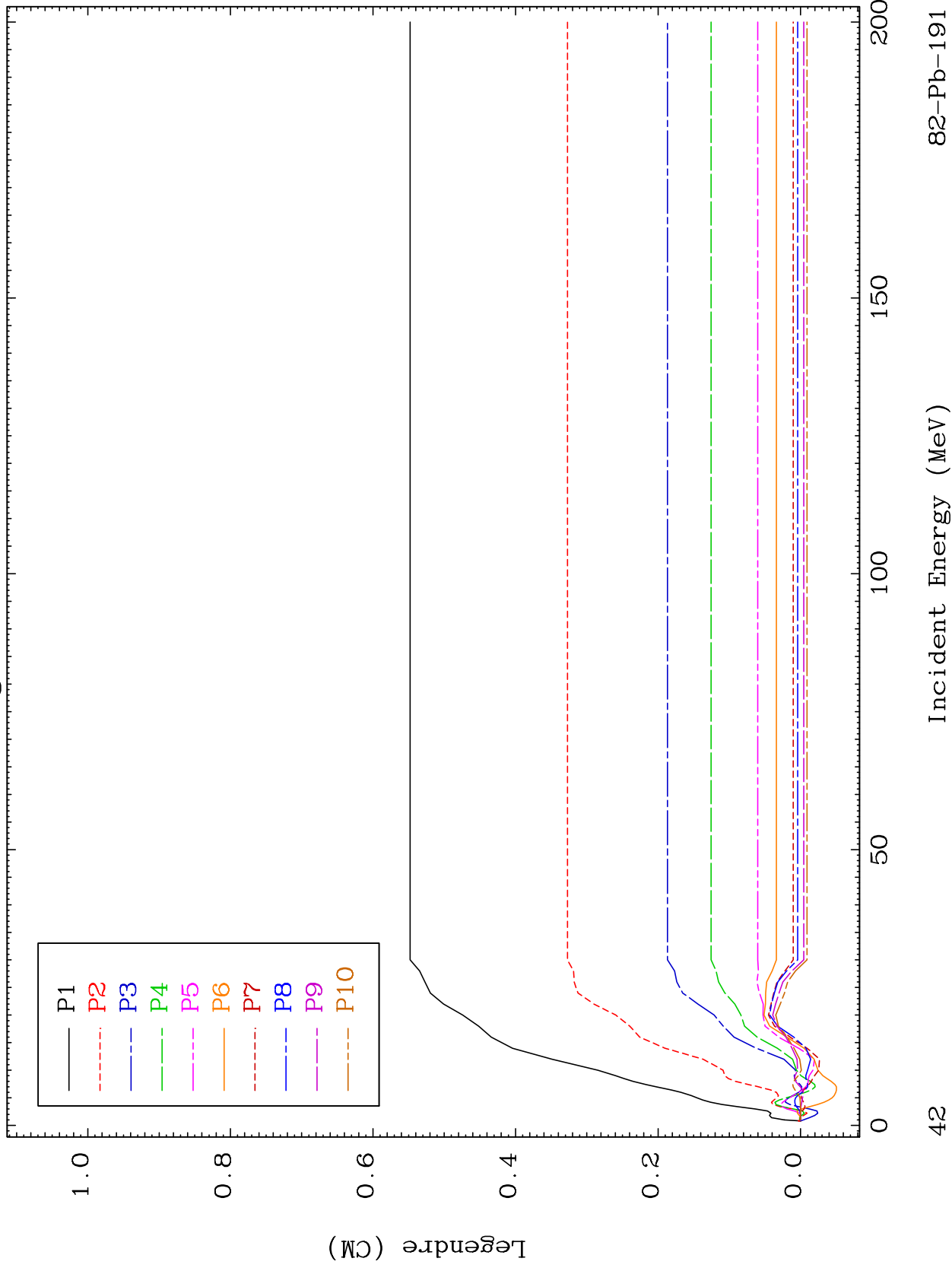
Incident Energy (MeV)

82-Pb-191

MAT 8186

726.2 keV (n,n') Level
Legendre Coefficients

82-Pb-191

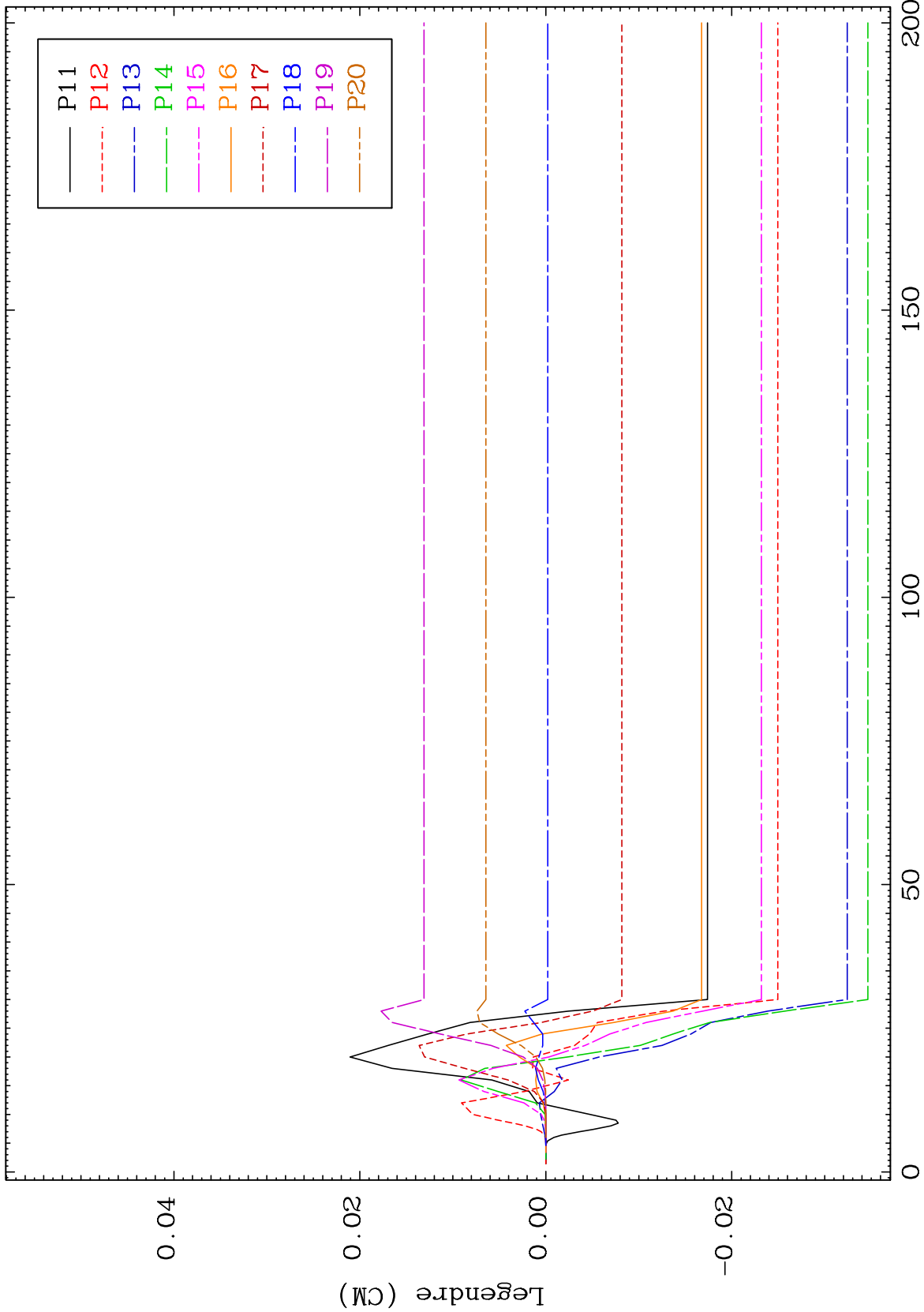


42

MAT 8186

726.2 keV (n,n') Level
Legendre Coefficients

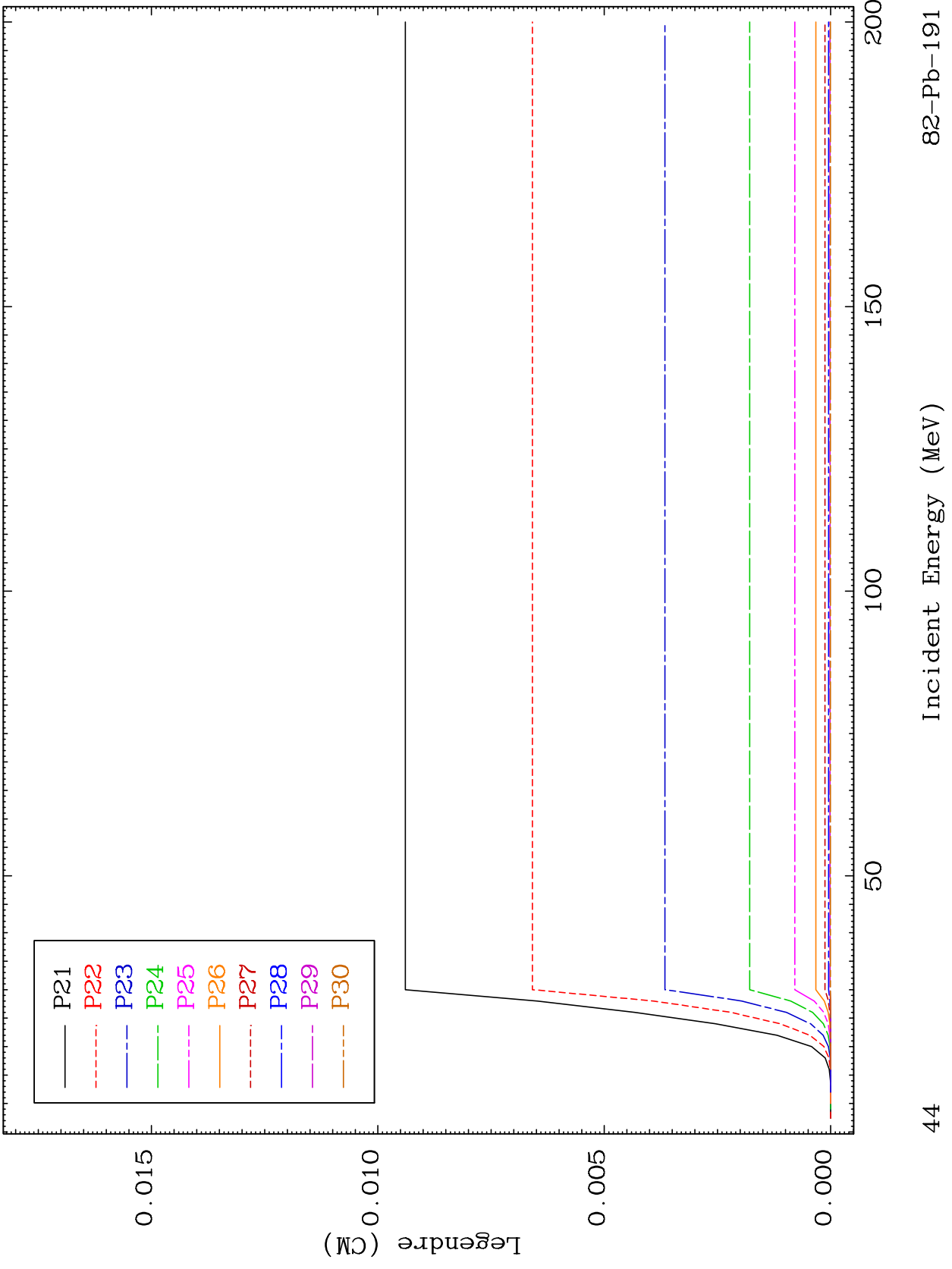
82-Pb-191



MAT 8186

726.2 keV (n,n') Level
Legendre Coefficients

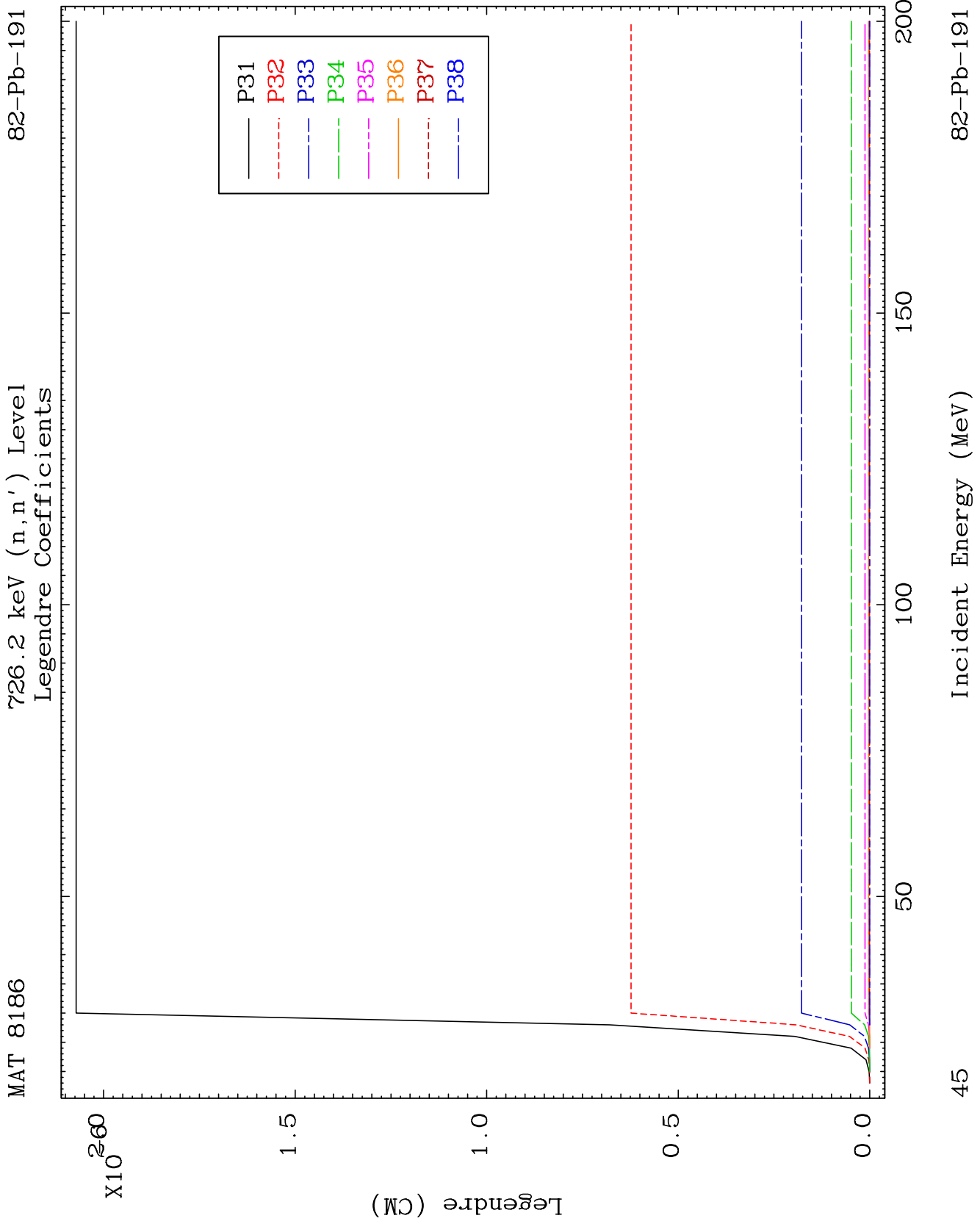
82-Pb-191

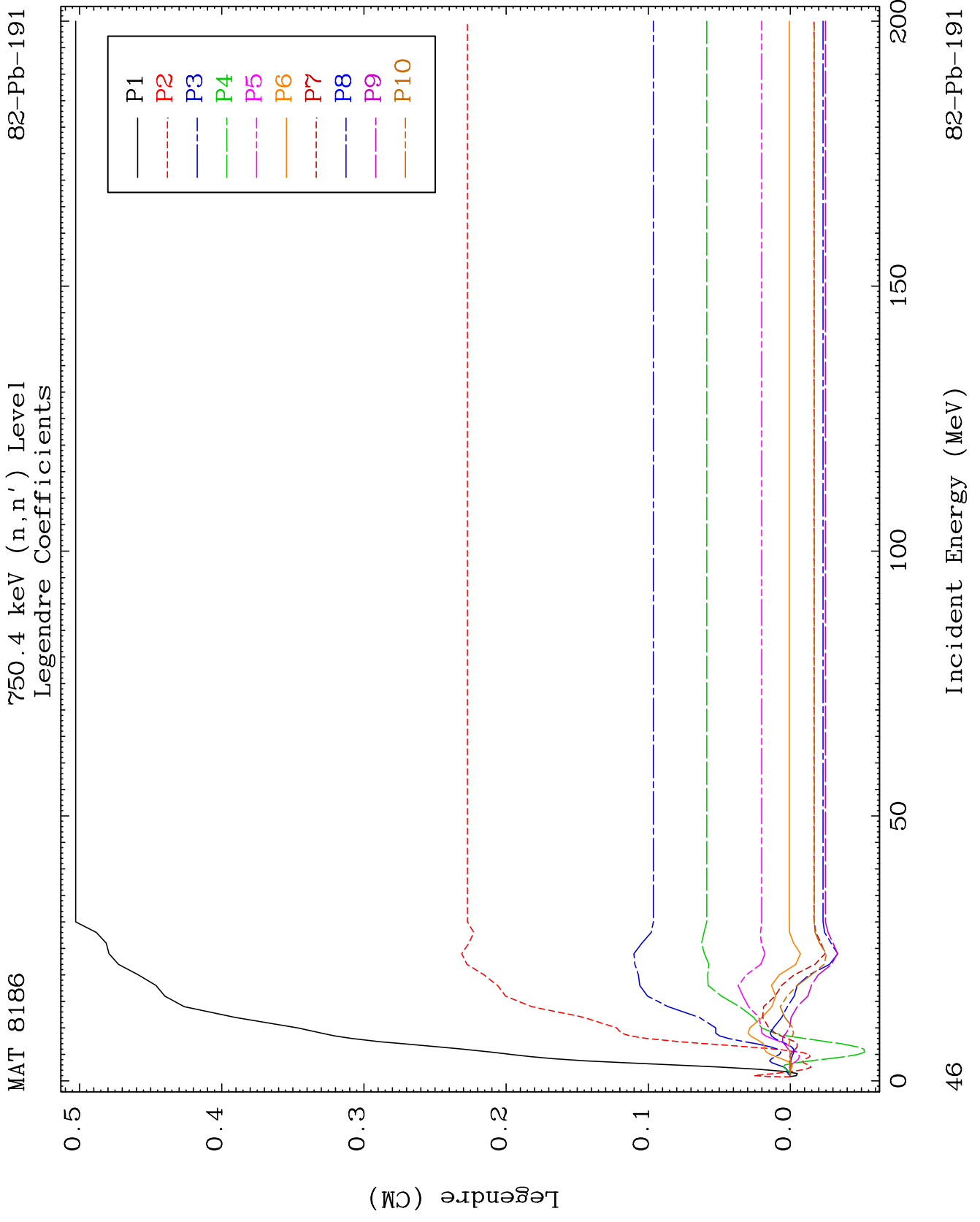


44

Incident Energy (MeV)

82-Pb-191

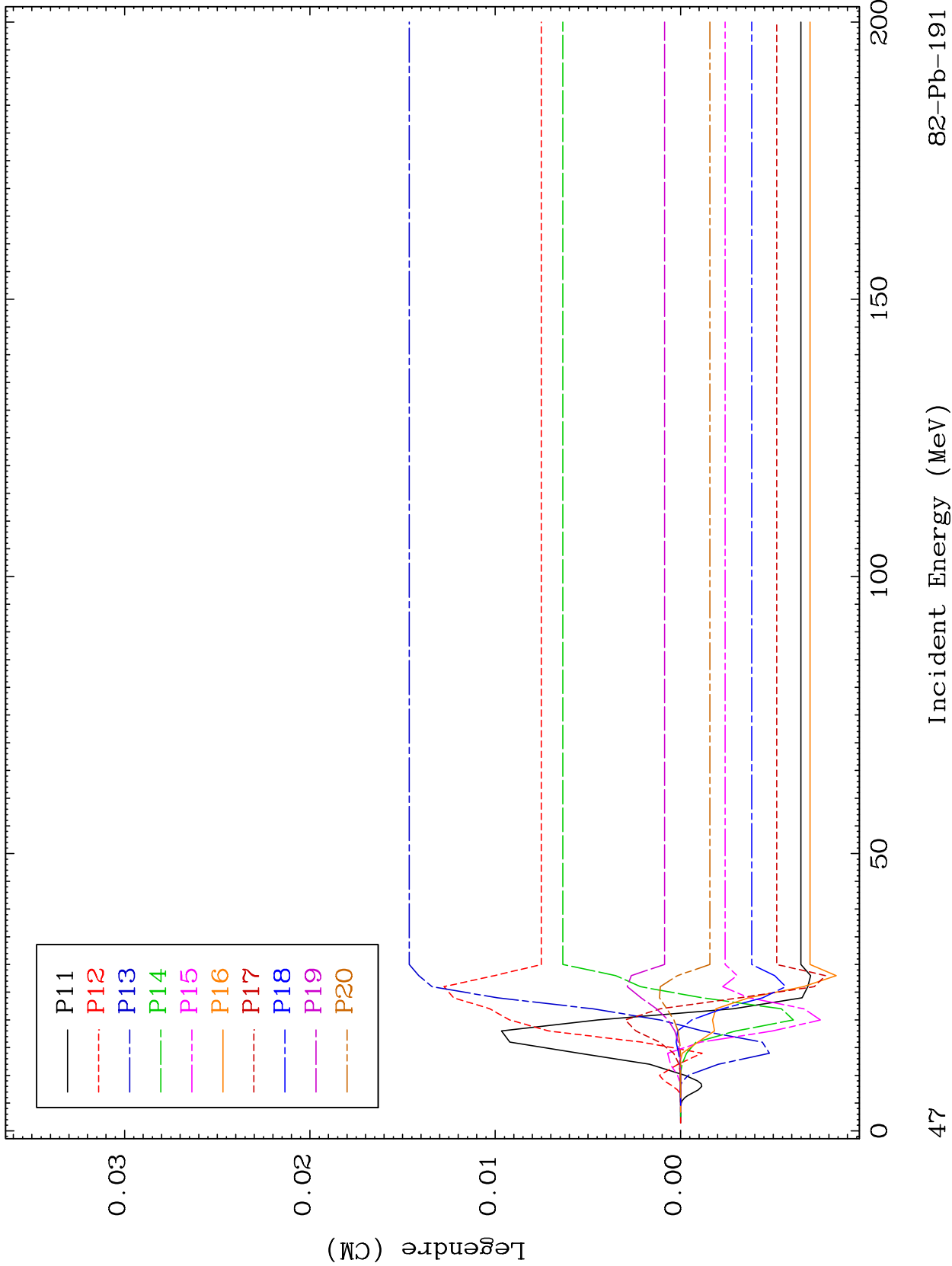




MAT 8186

750.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



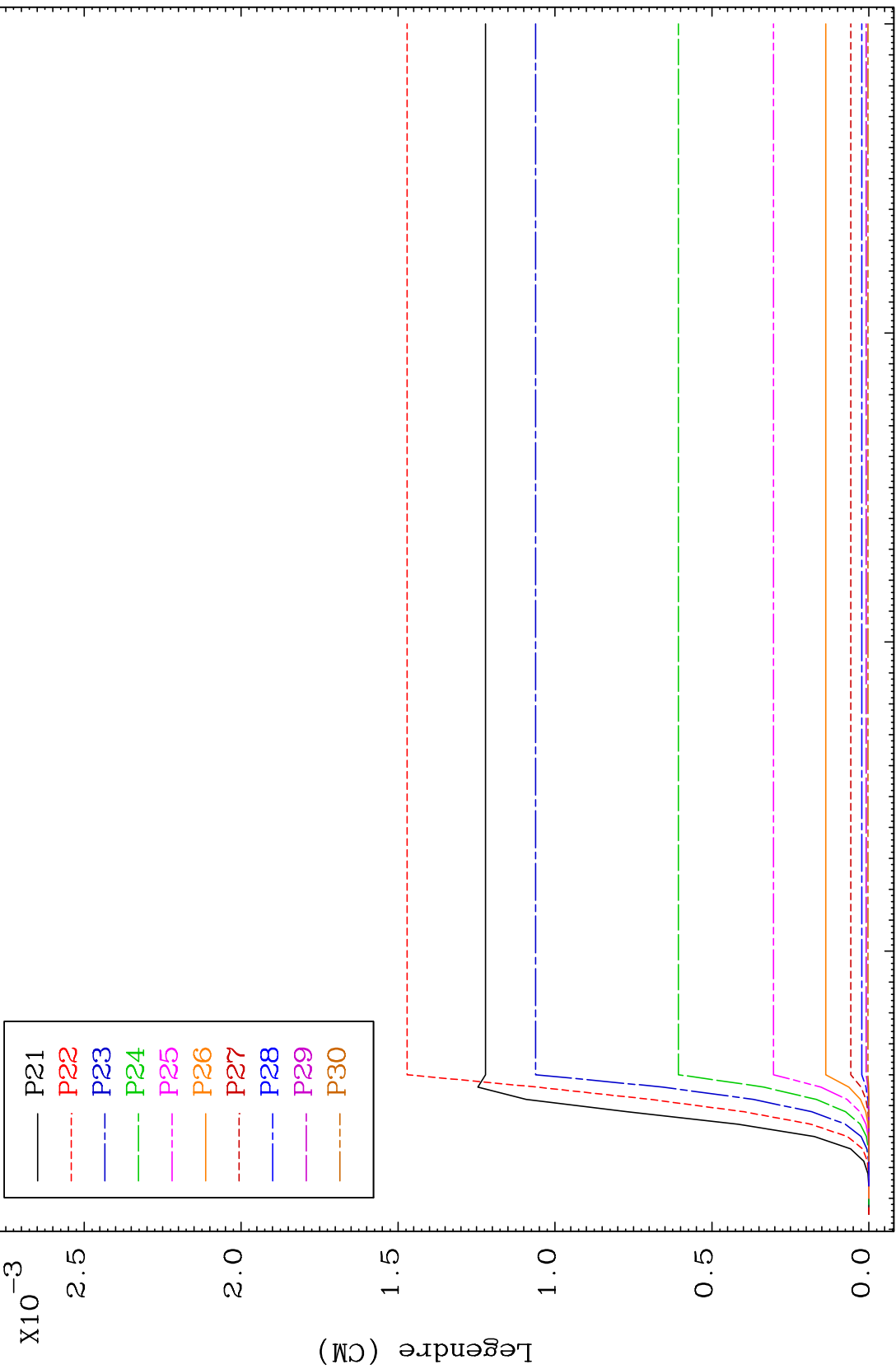
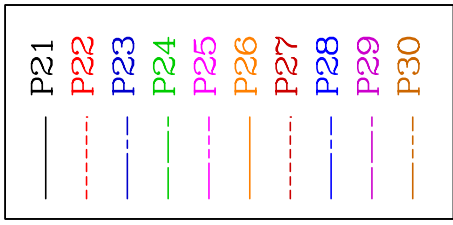
47

82-Pb-191

MAT 8186

750.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



48

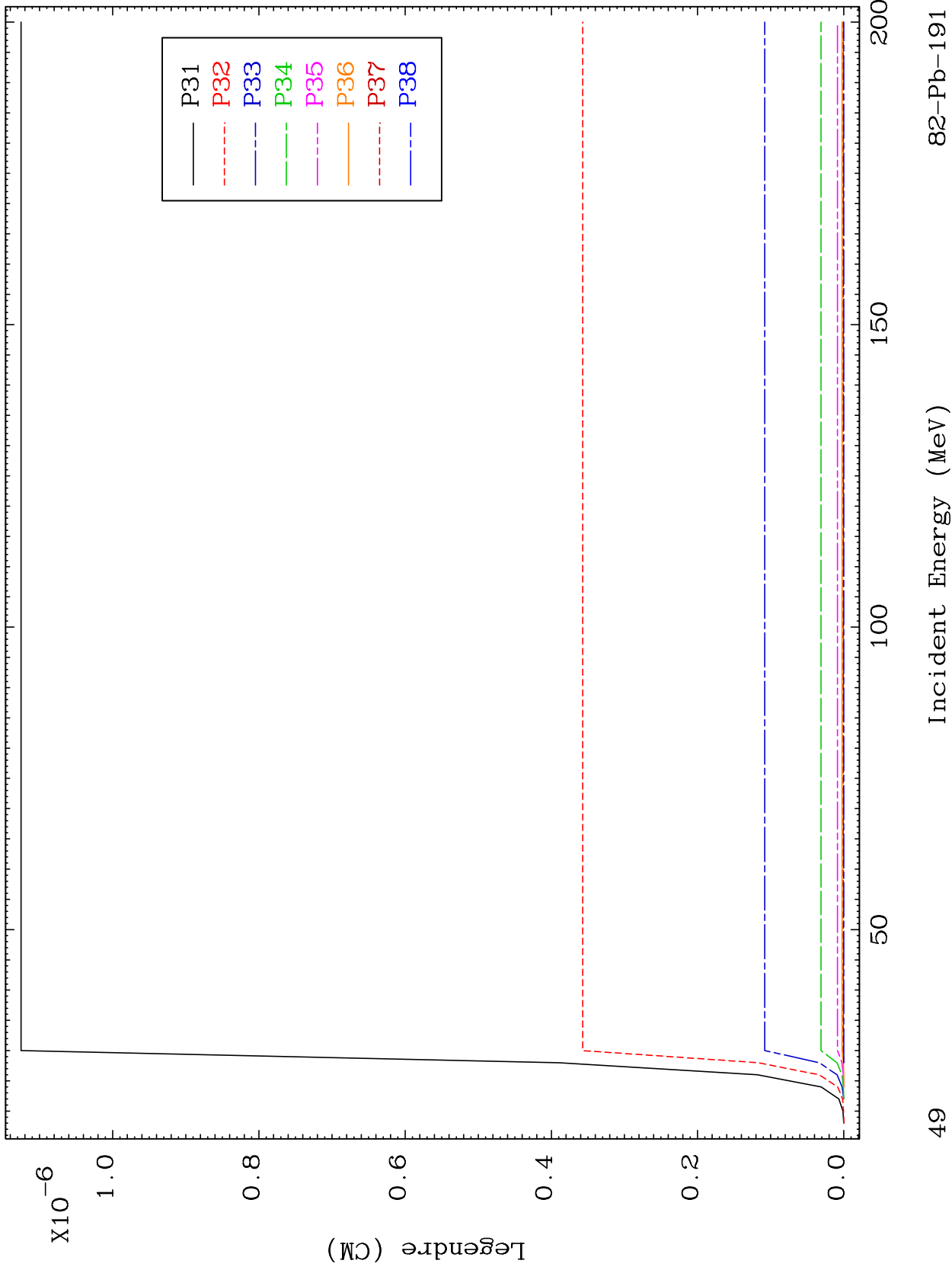
Incident Energy (MeV)

82-Pb-191

MAT 8186

750.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



49

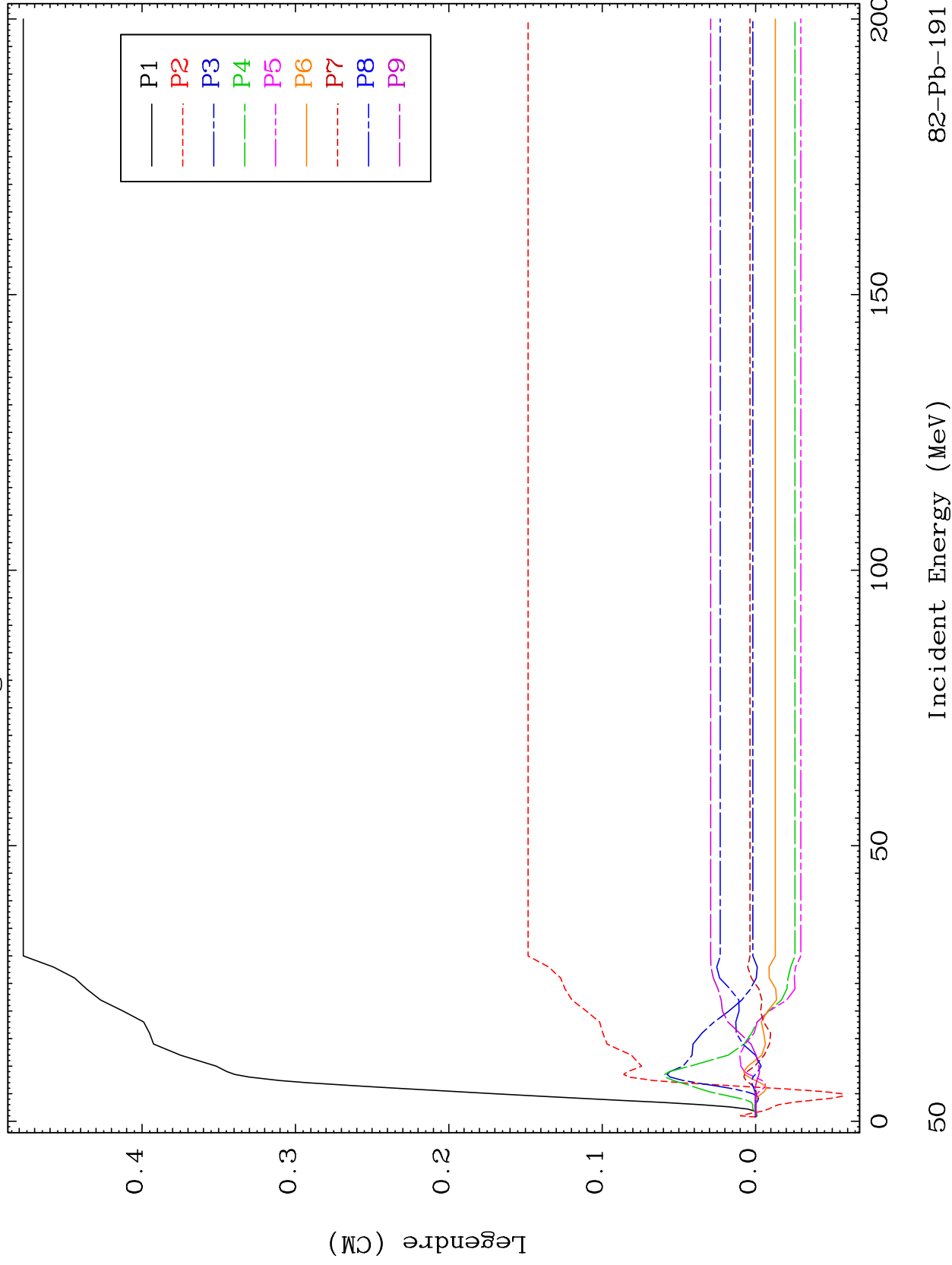
Incident Energy (MeV)

82-Pb-191

MAT 8186

753.6 keV (n,n') Level
Legendre Coefficients

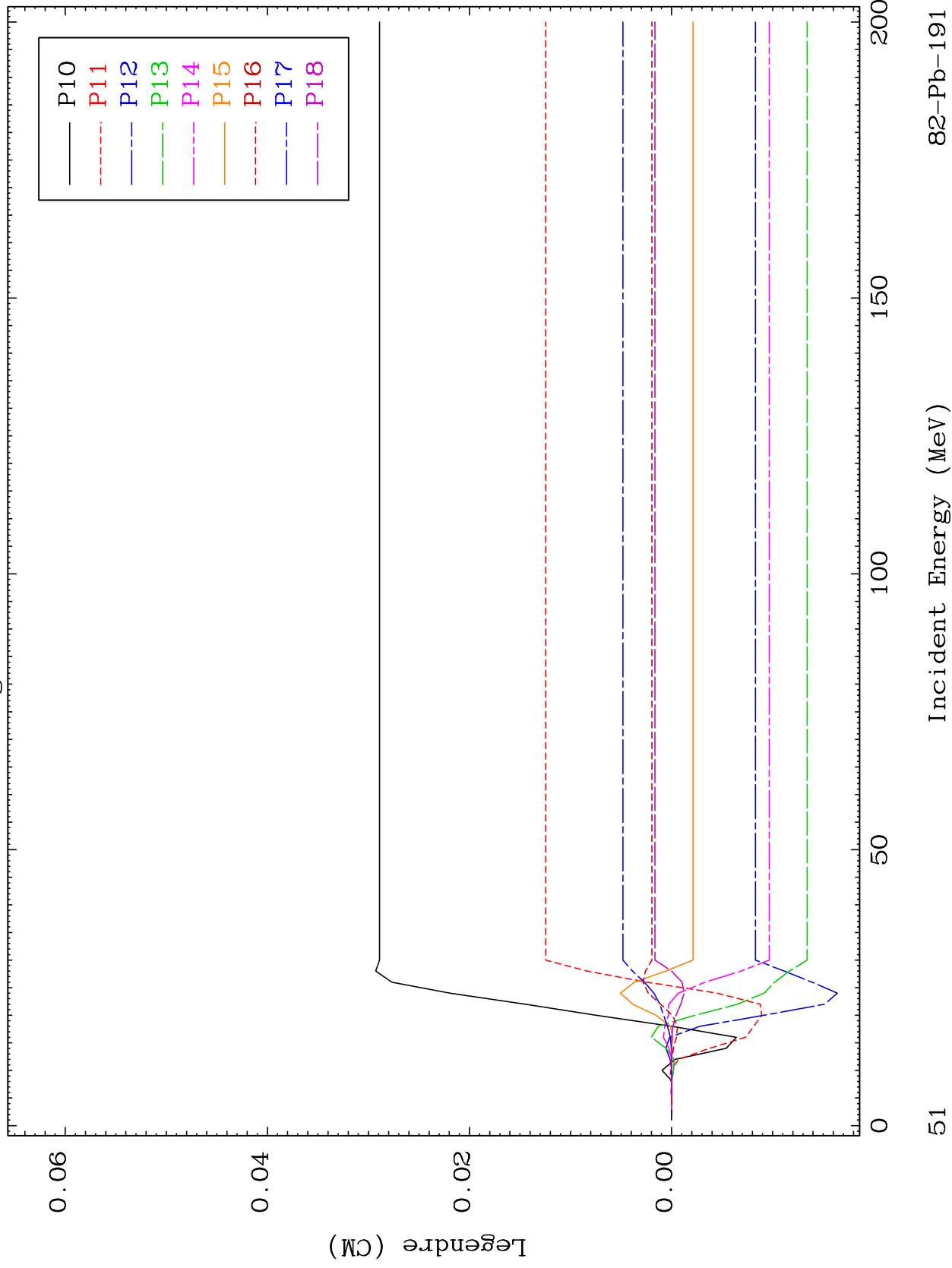
82-Pb-191

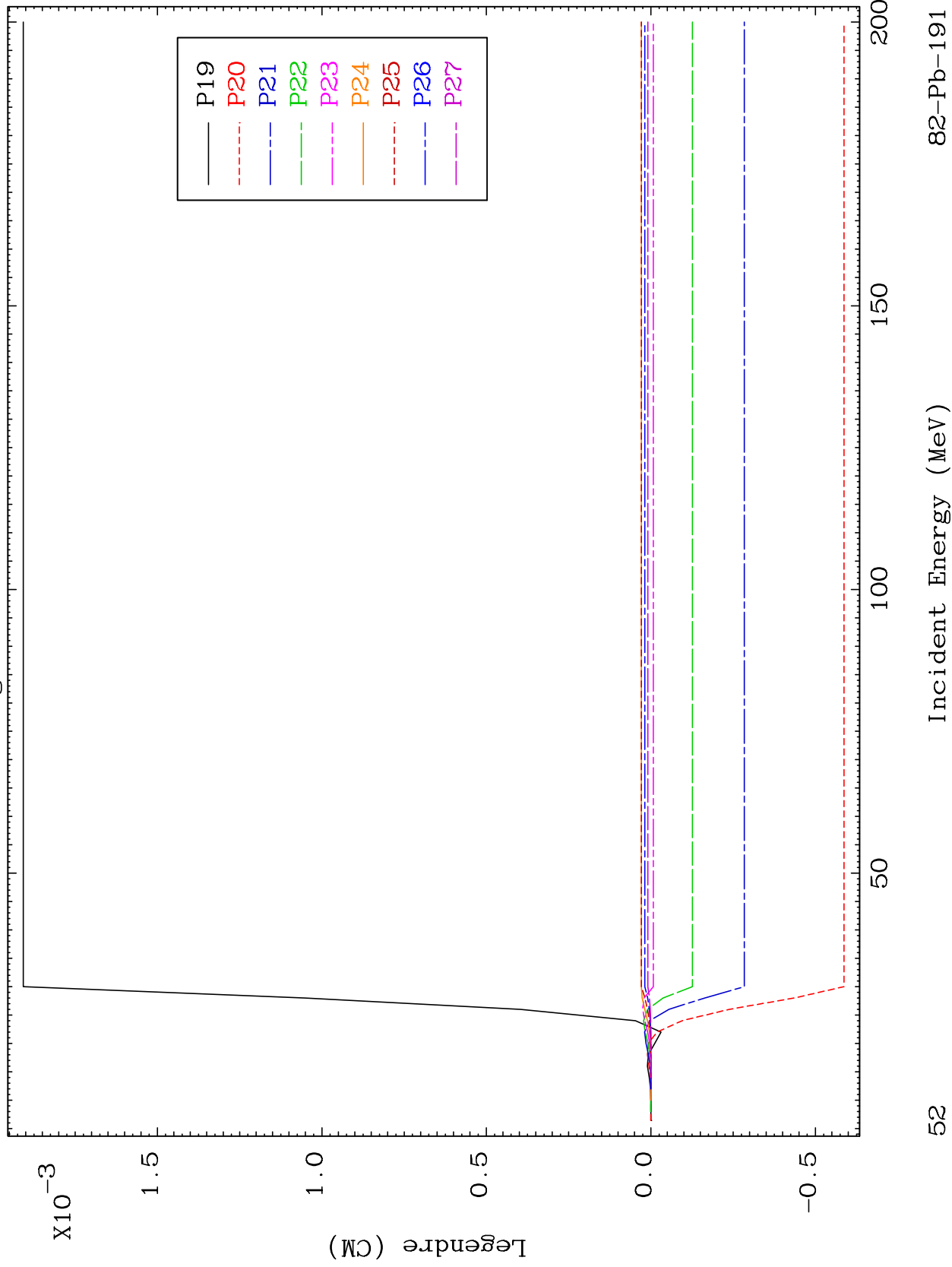


MAT 8186

753.6 keV (n,n') Level
Legendre Coefficients

82-Pb-191

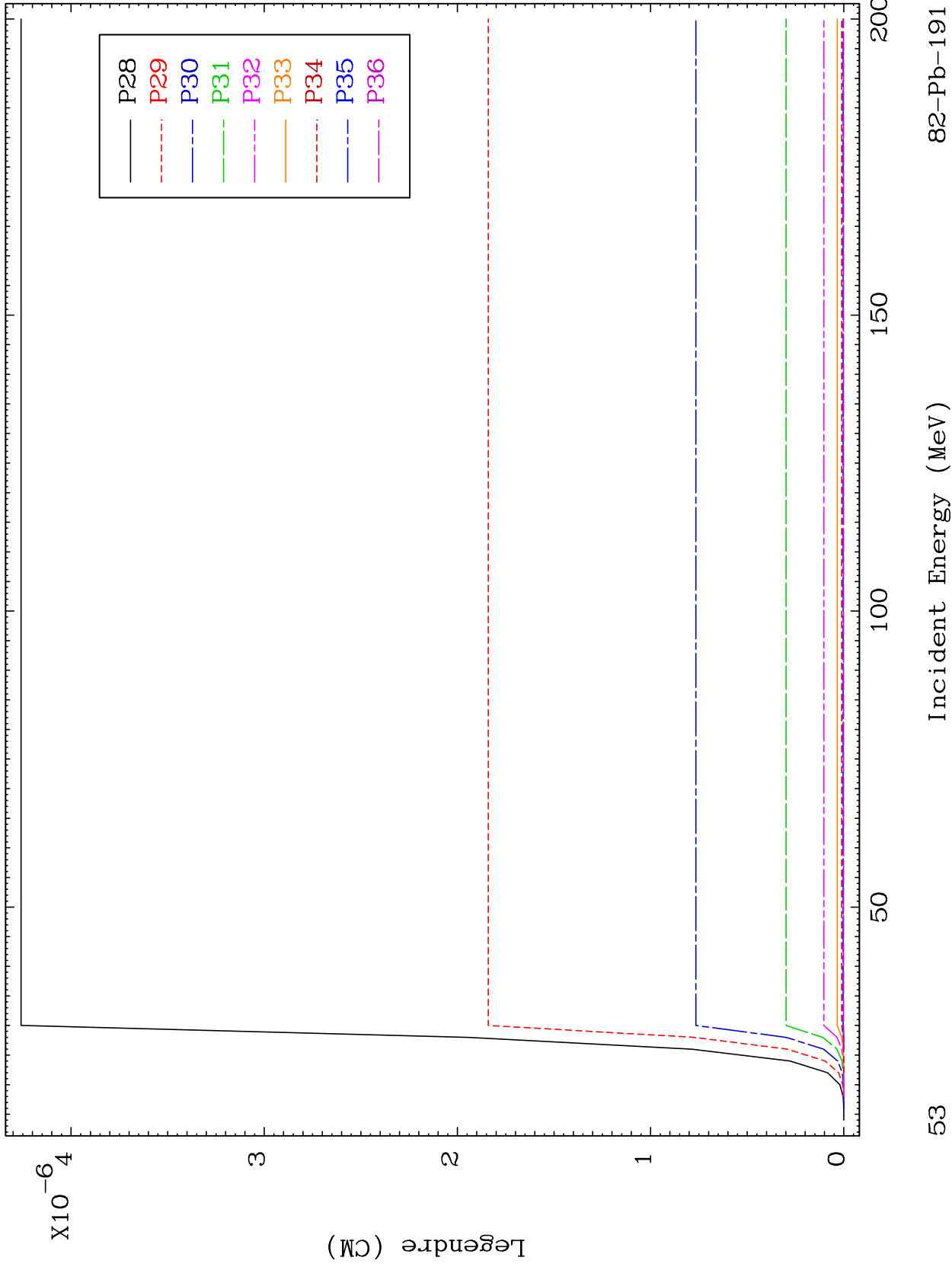




MAT 8186

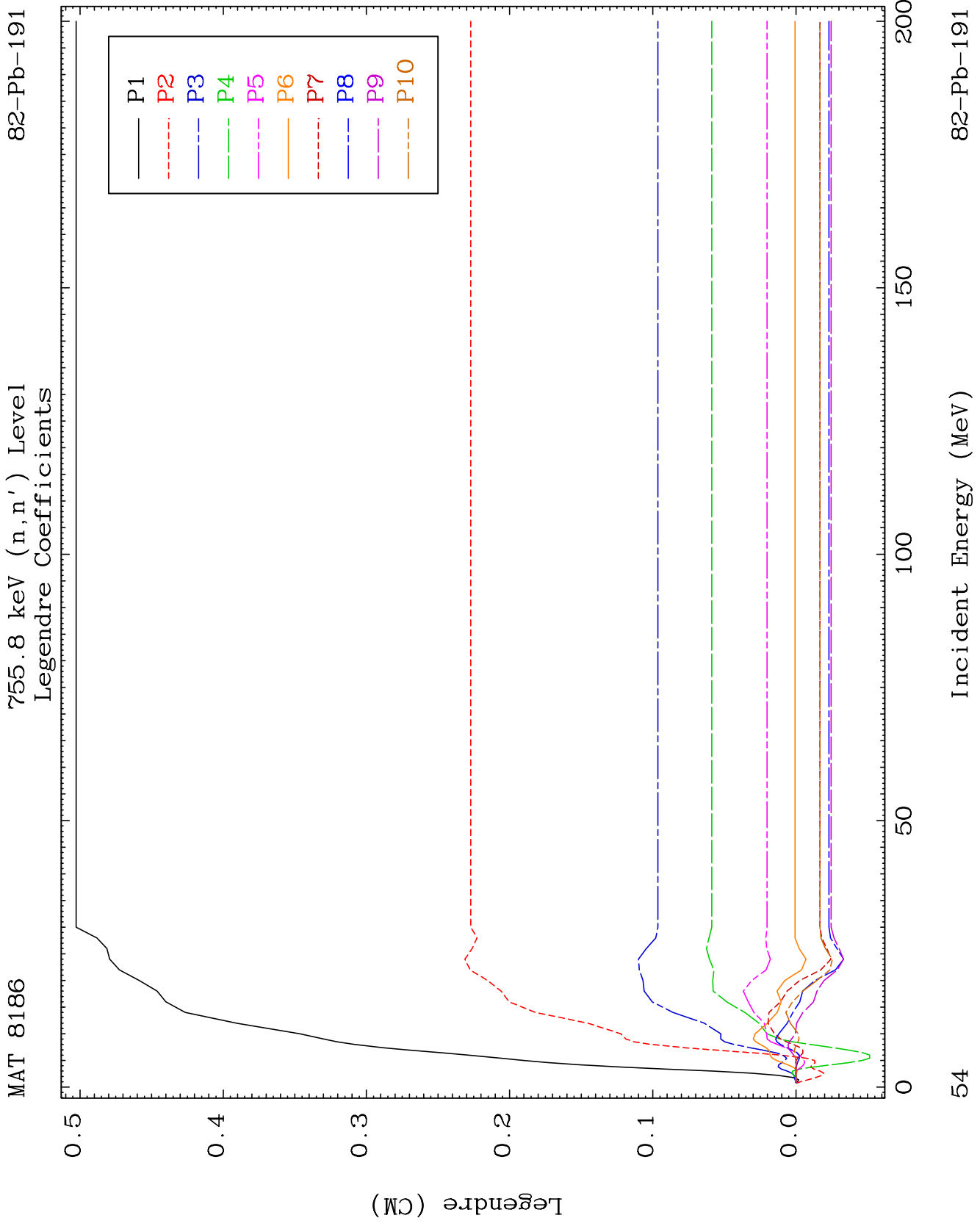
753.6 keV (n,n') Level
Legendre Coefficients

82-Pb-191



53

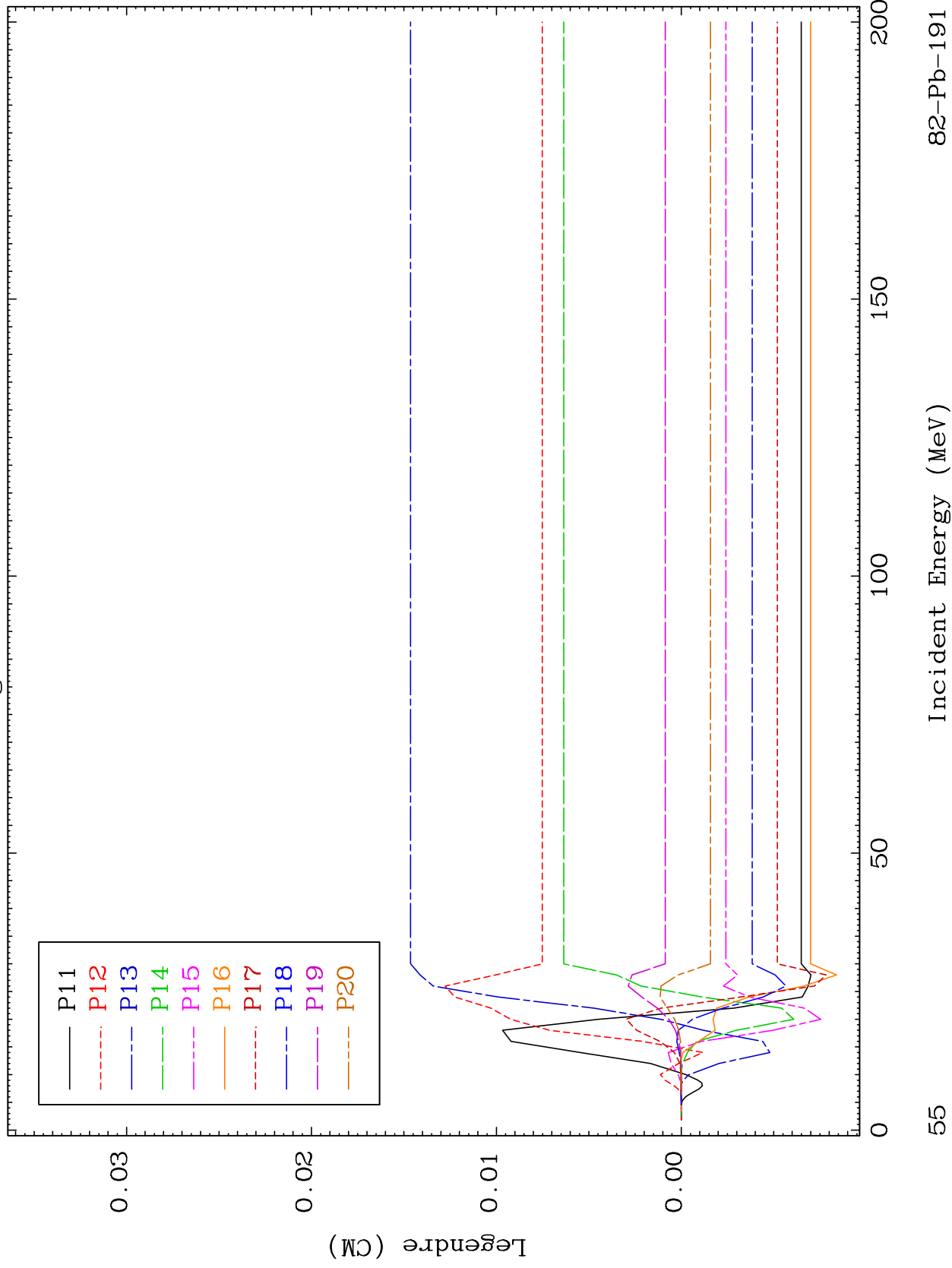
82-Pb-191



MAT 8186

755.8 keV (n,n') Level
Legendre Coefficients

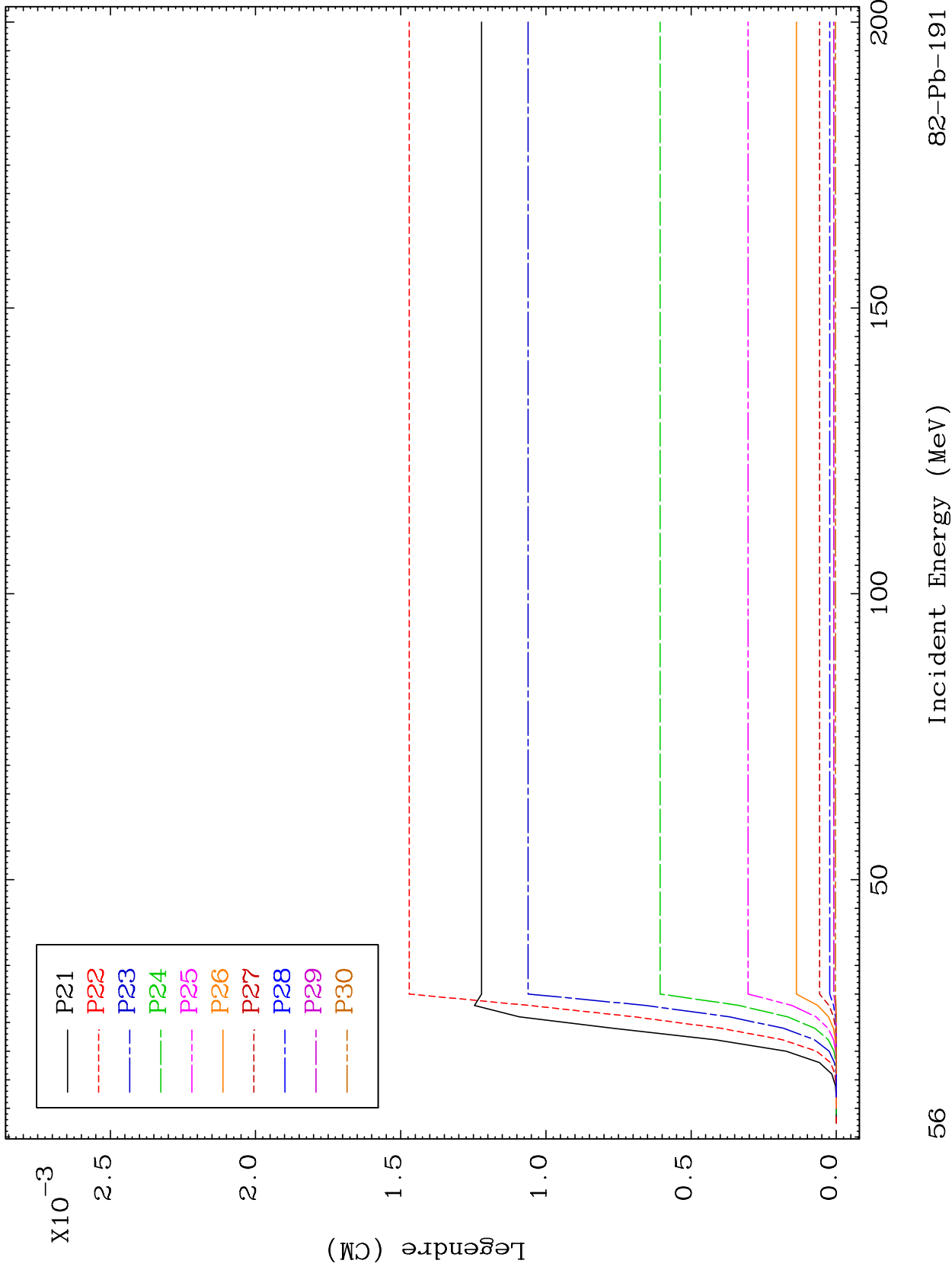
82-Pb-191

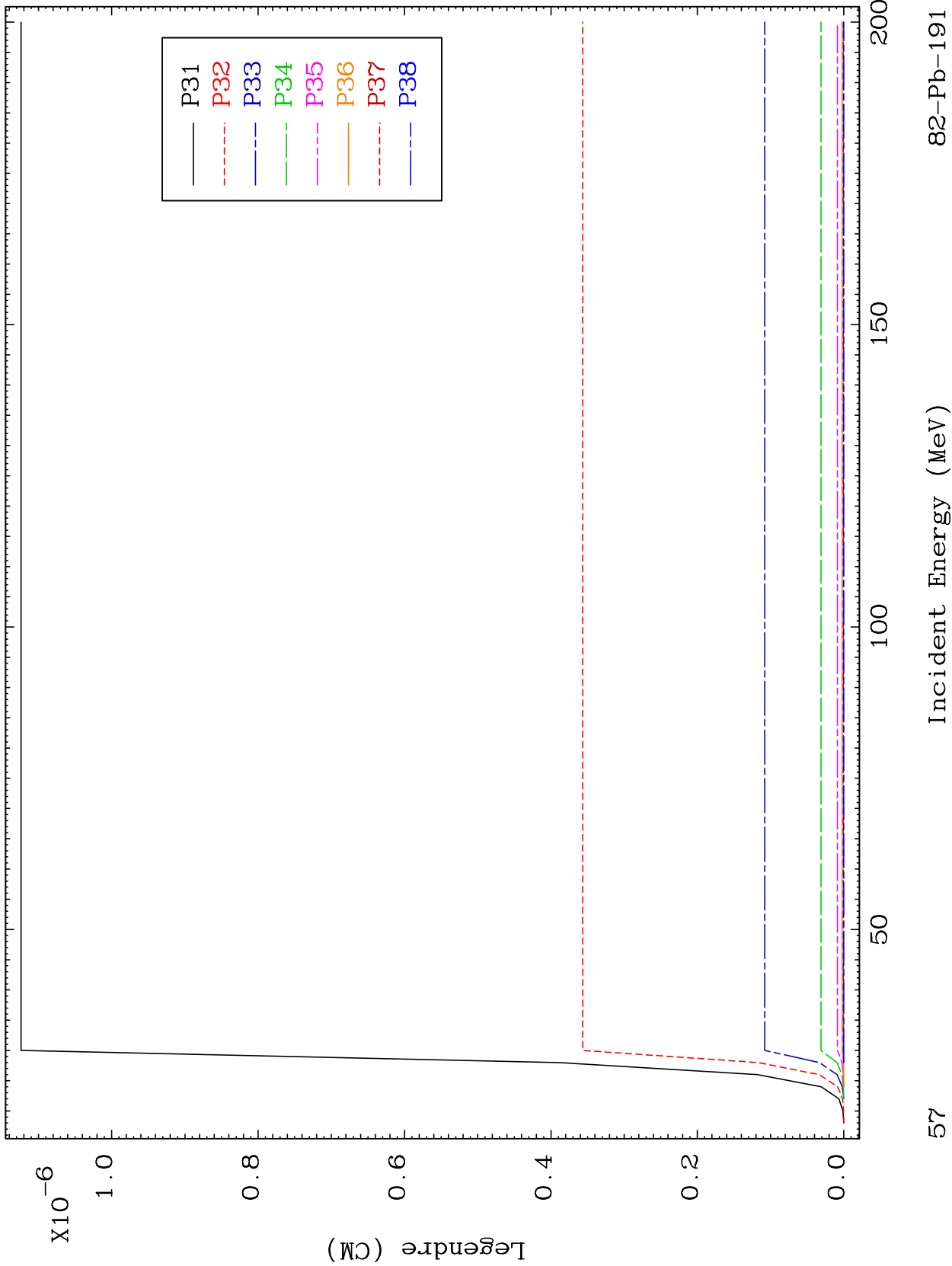


82-Pb-191

Incident Energy (MeV)

55

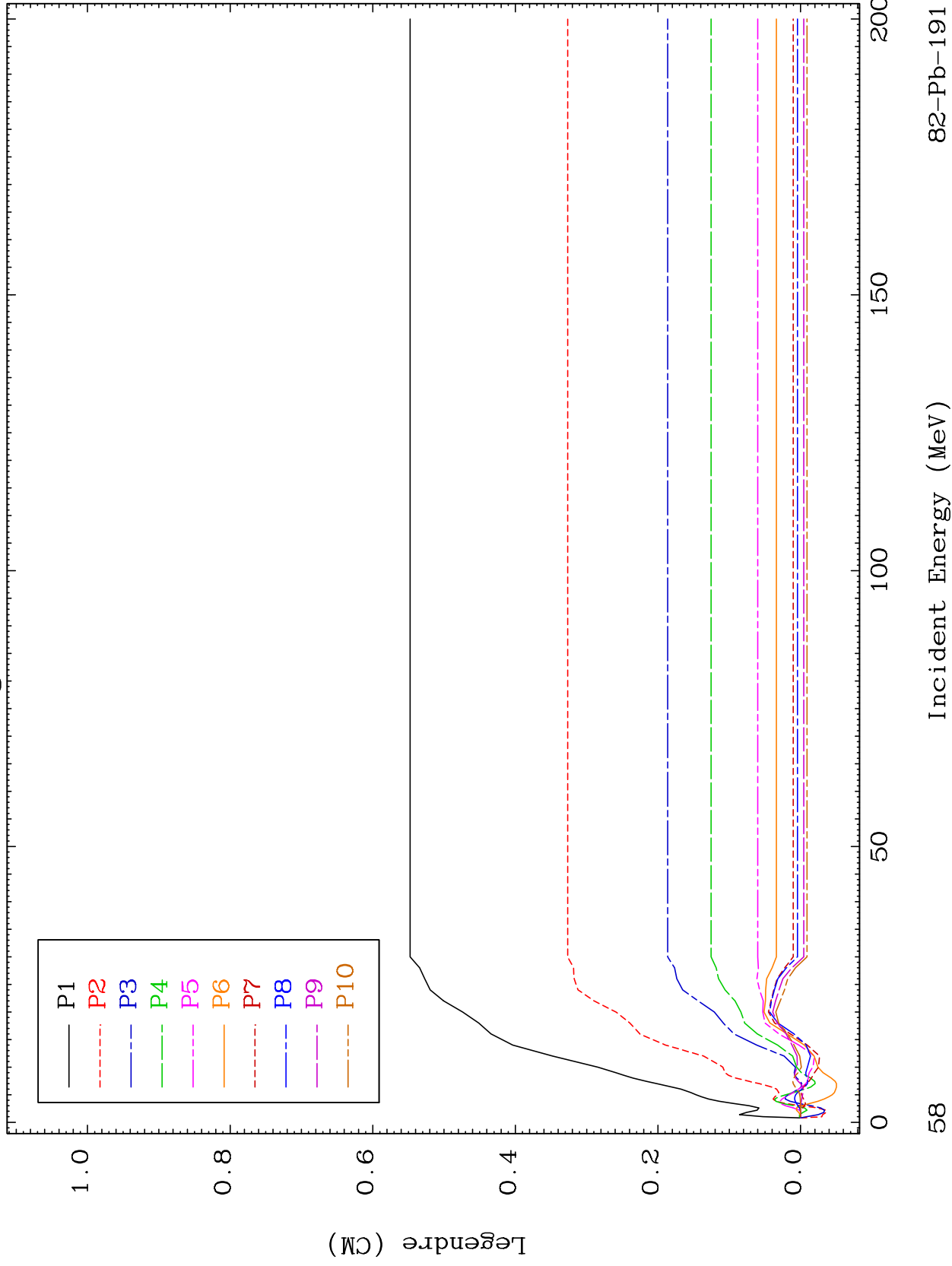




MAT 8186

777.4 keV (n,n') Level
Legendre Coefficients

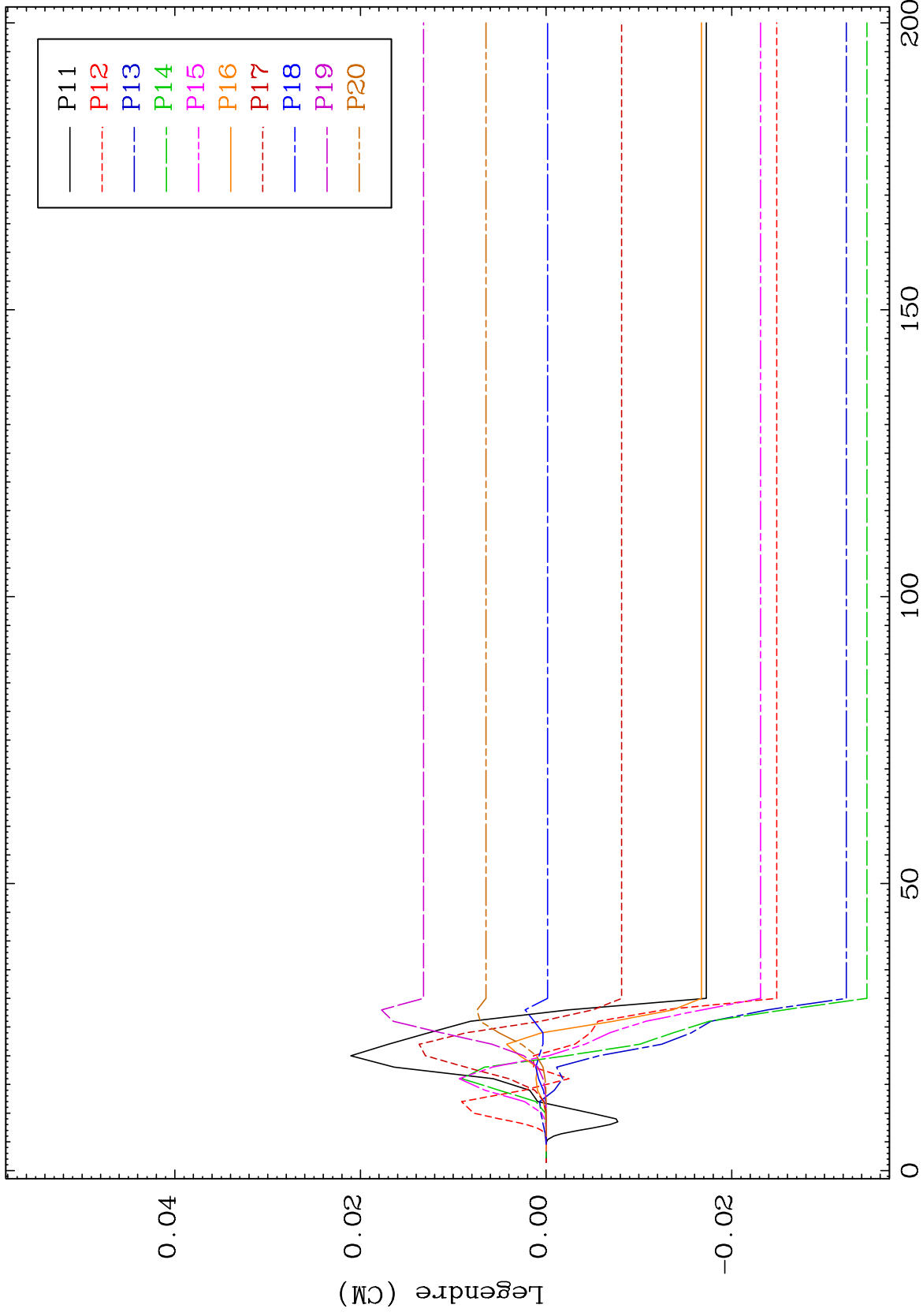
82-Pb-191



82-Pb-191

Incident Energy (MeV)

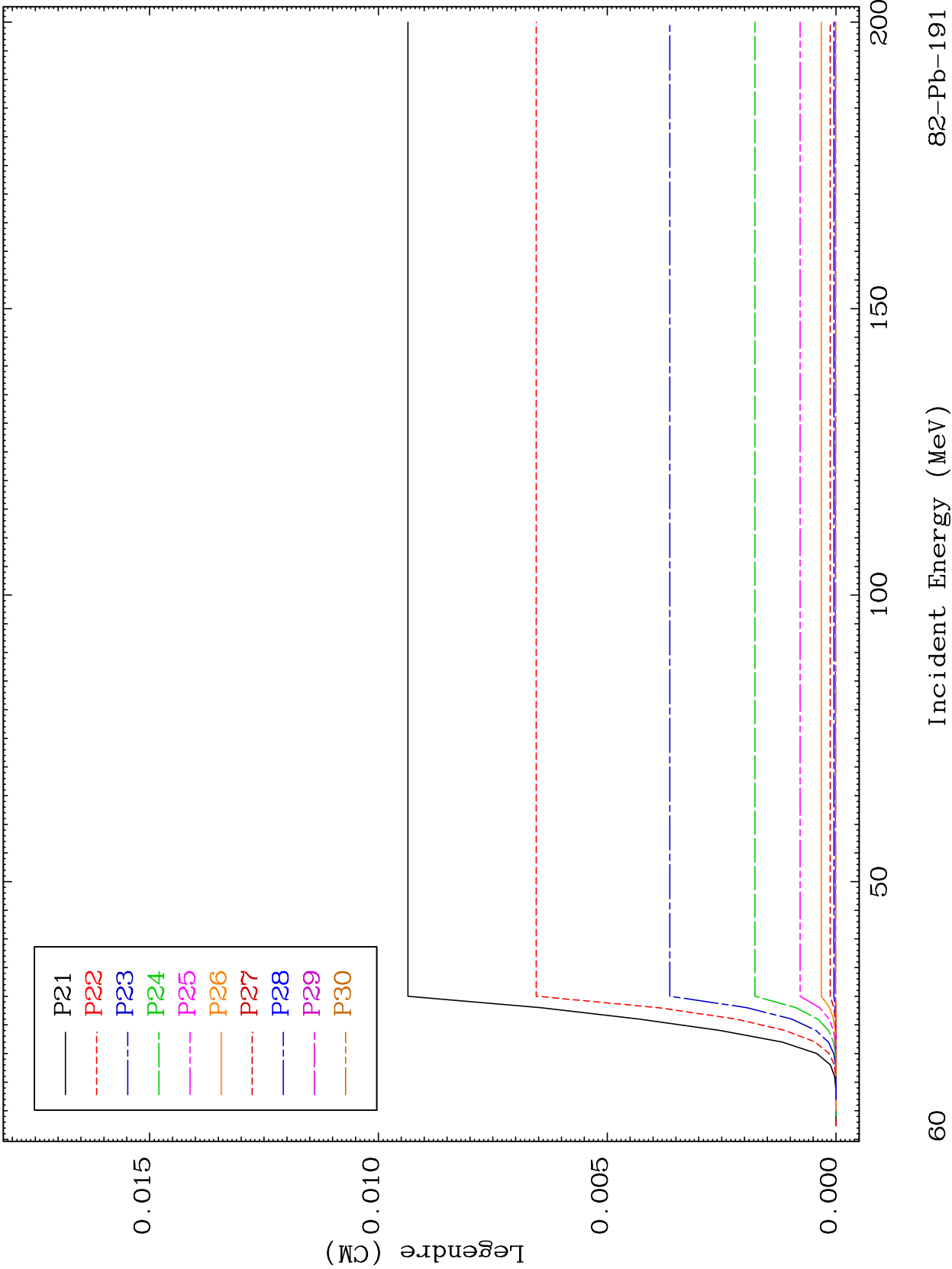
58



MAT 8186

777.4 keV (n,n') Level
Legendre Coefficients

82-Pb-191



82-Pb-191

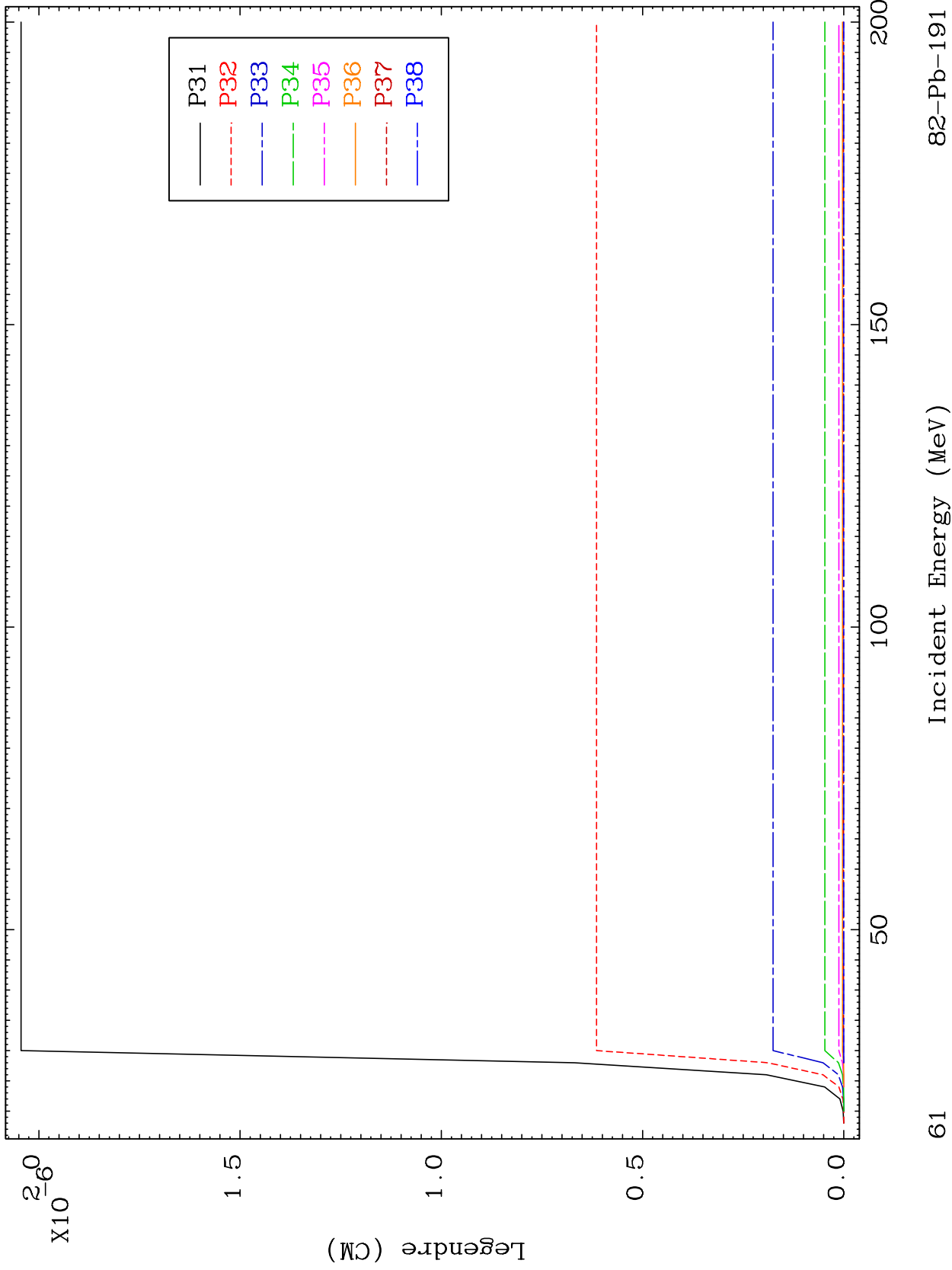
Incident Energy (MeV)

60

MAT 8186

777.4 keV (n,n') Level
Legendre Coefficients

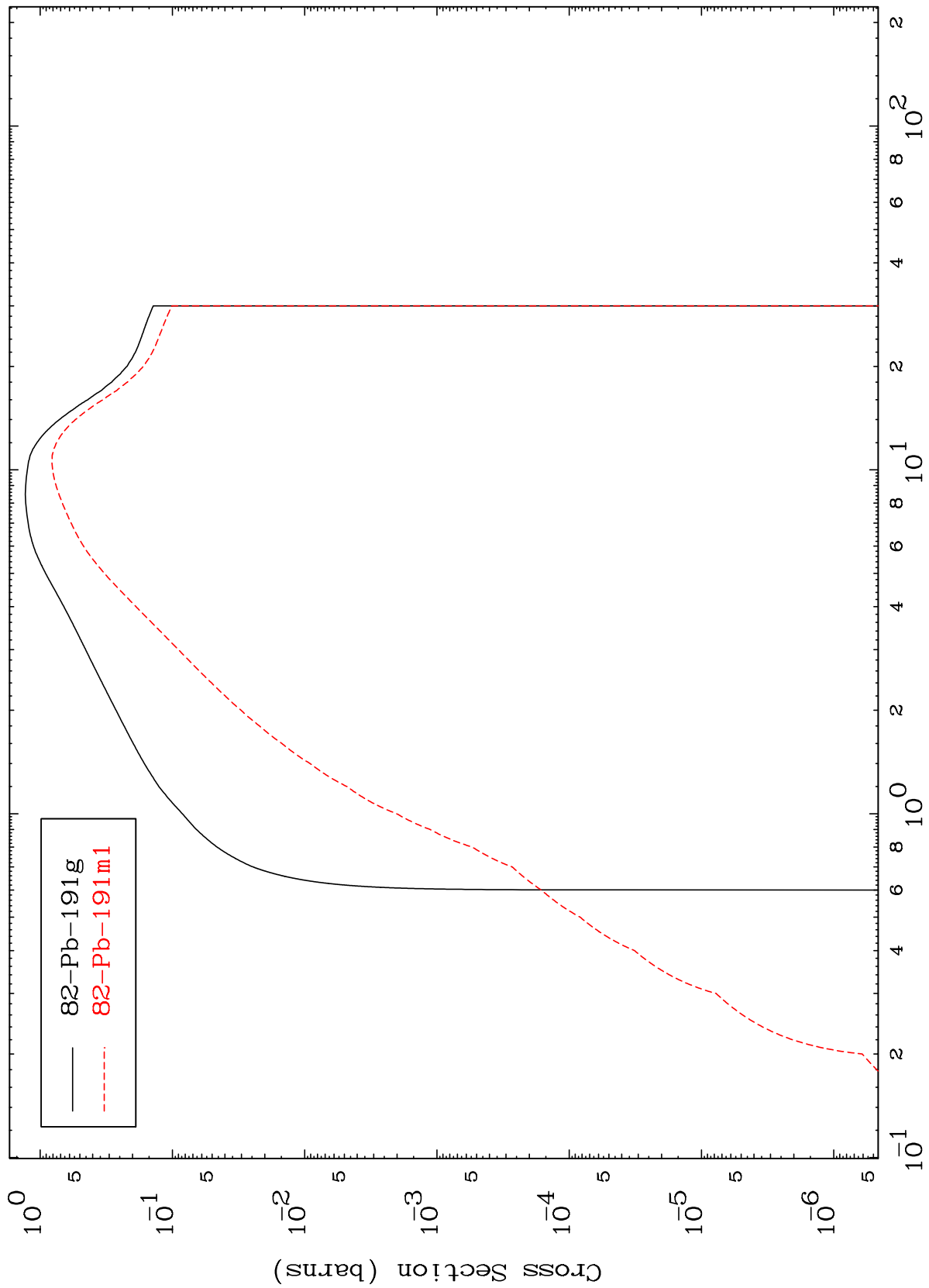
82-Pb-191



MAT 8186

82-Pb-191

Inelastic
Radionuclide Production Cross Section



82-Pb-191 g
82-Pb-191 m1

82-Pb-191

Incident Energy (MeV)

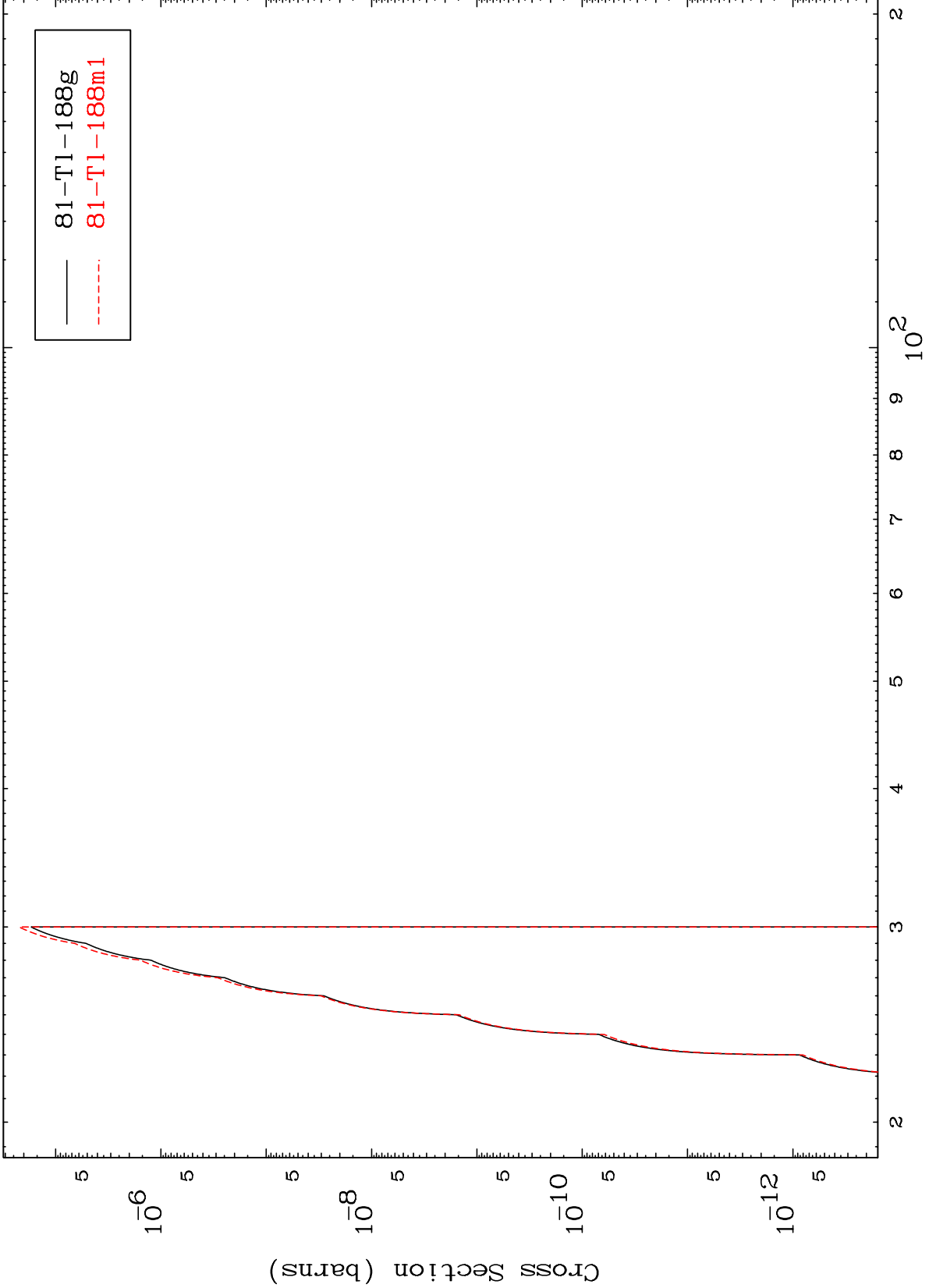
62

MAT 8186

(n,2n) d

82-Pb-191

Radionuclide Production Cross Section



63

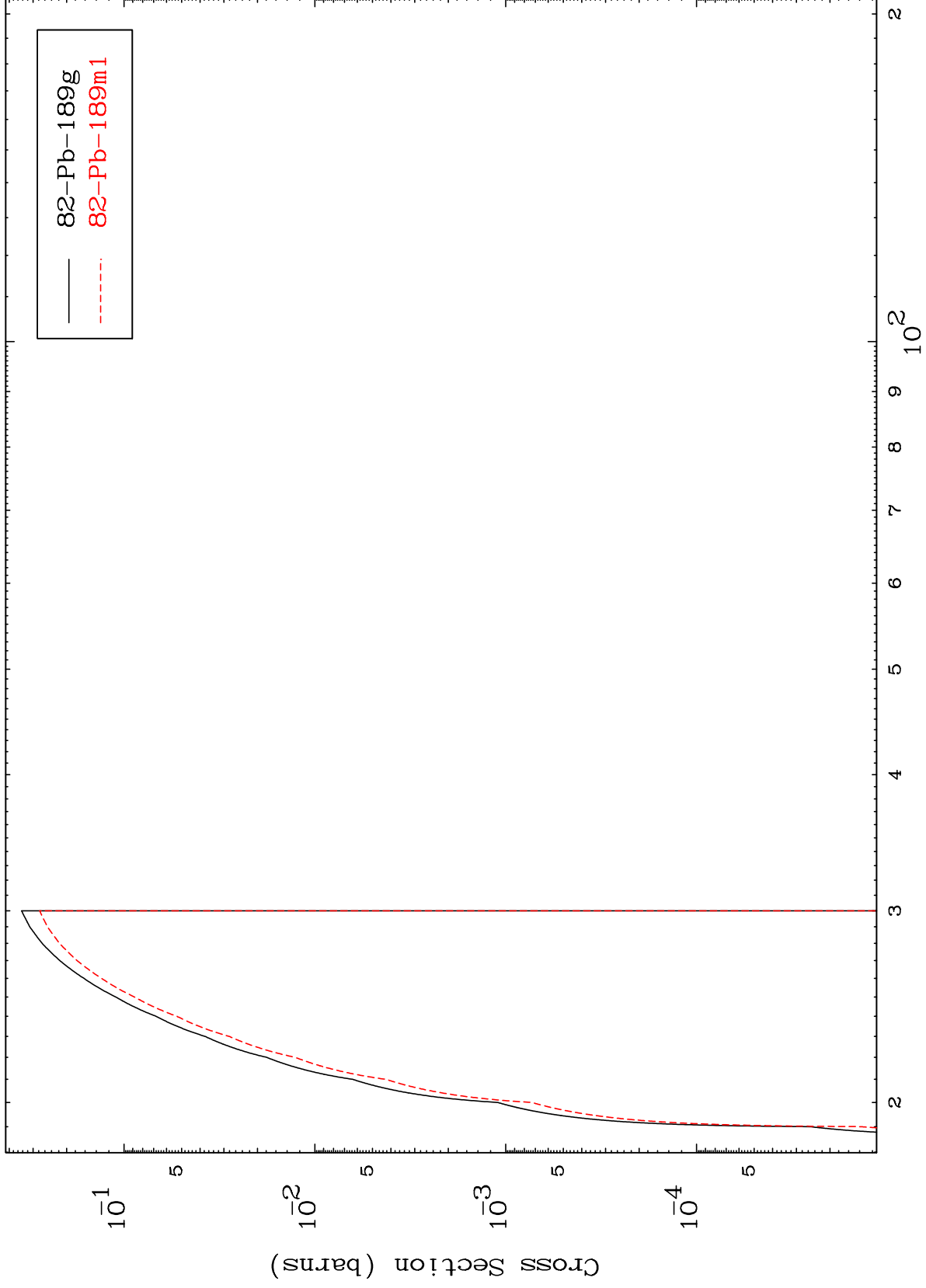
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n,3n)
Radionuclide Production Cross Section



64

Incident Energy (MeV)

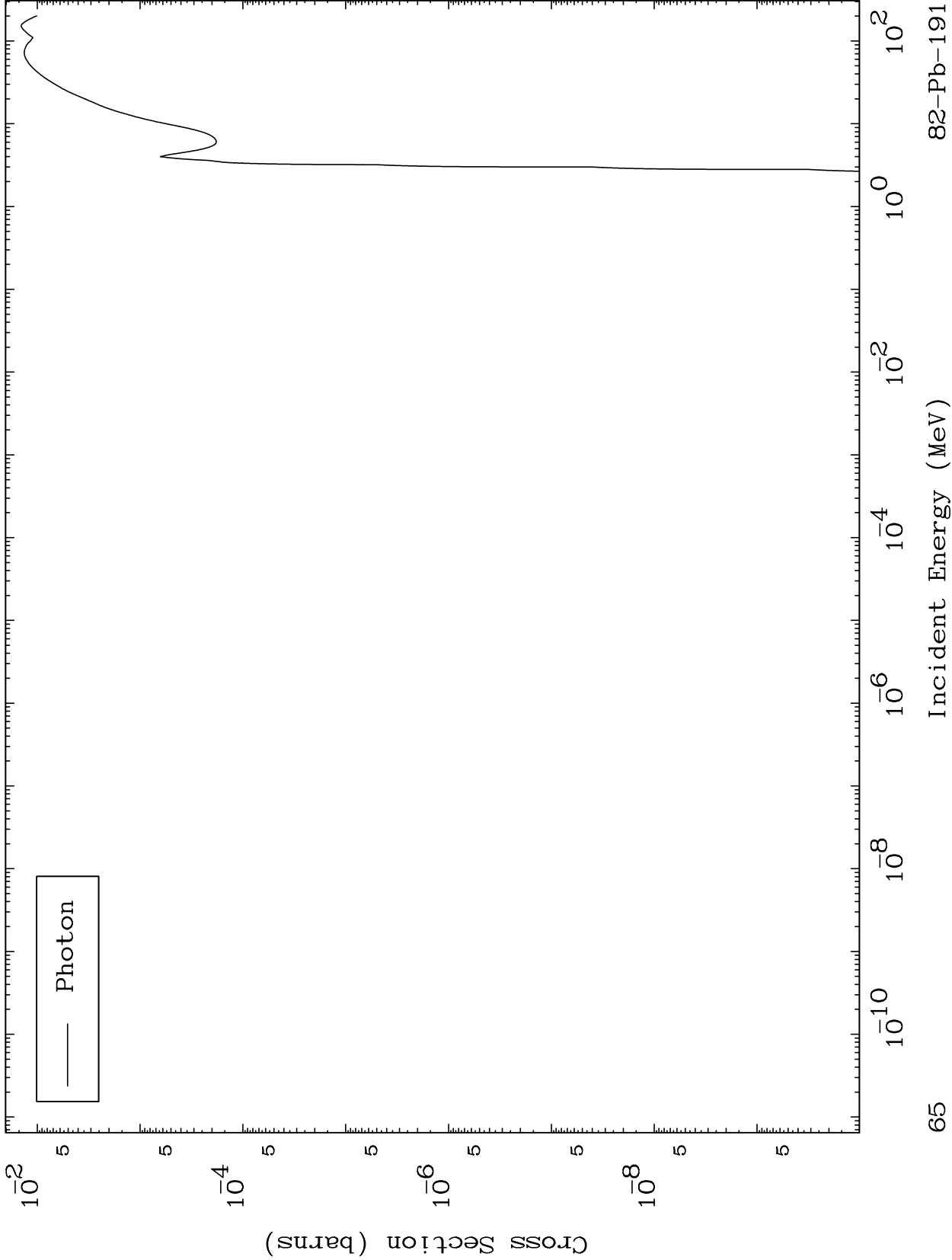
82-Pb-191

MAT 8186

Fission

82-Pb-191

Radionuclide Production Cross Section



65

Incident Energy (MeV)

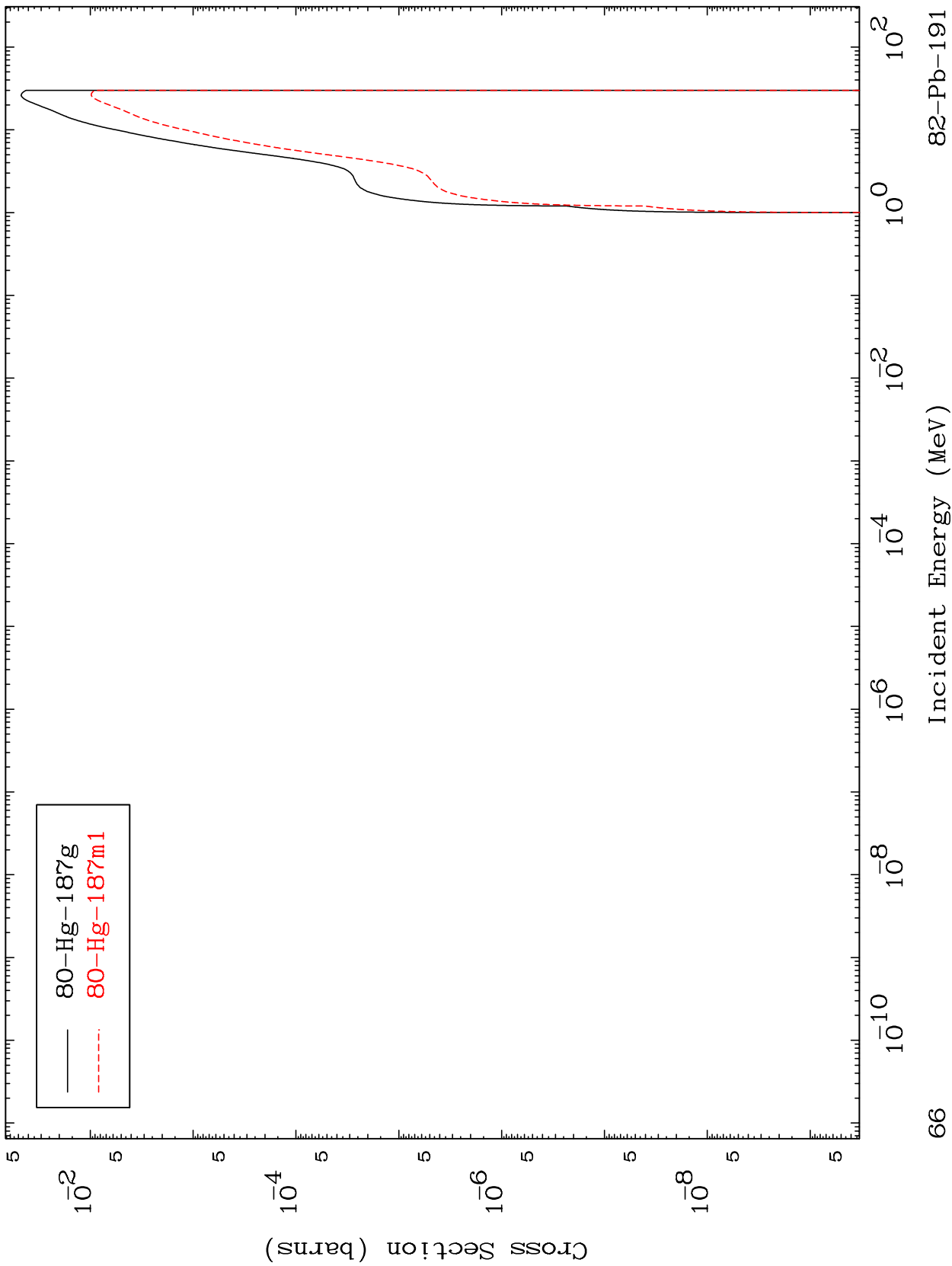
82-Pb-191

MAT 8186

(n, n') α

82-Pb-191

Radionuclide Production Cross Section



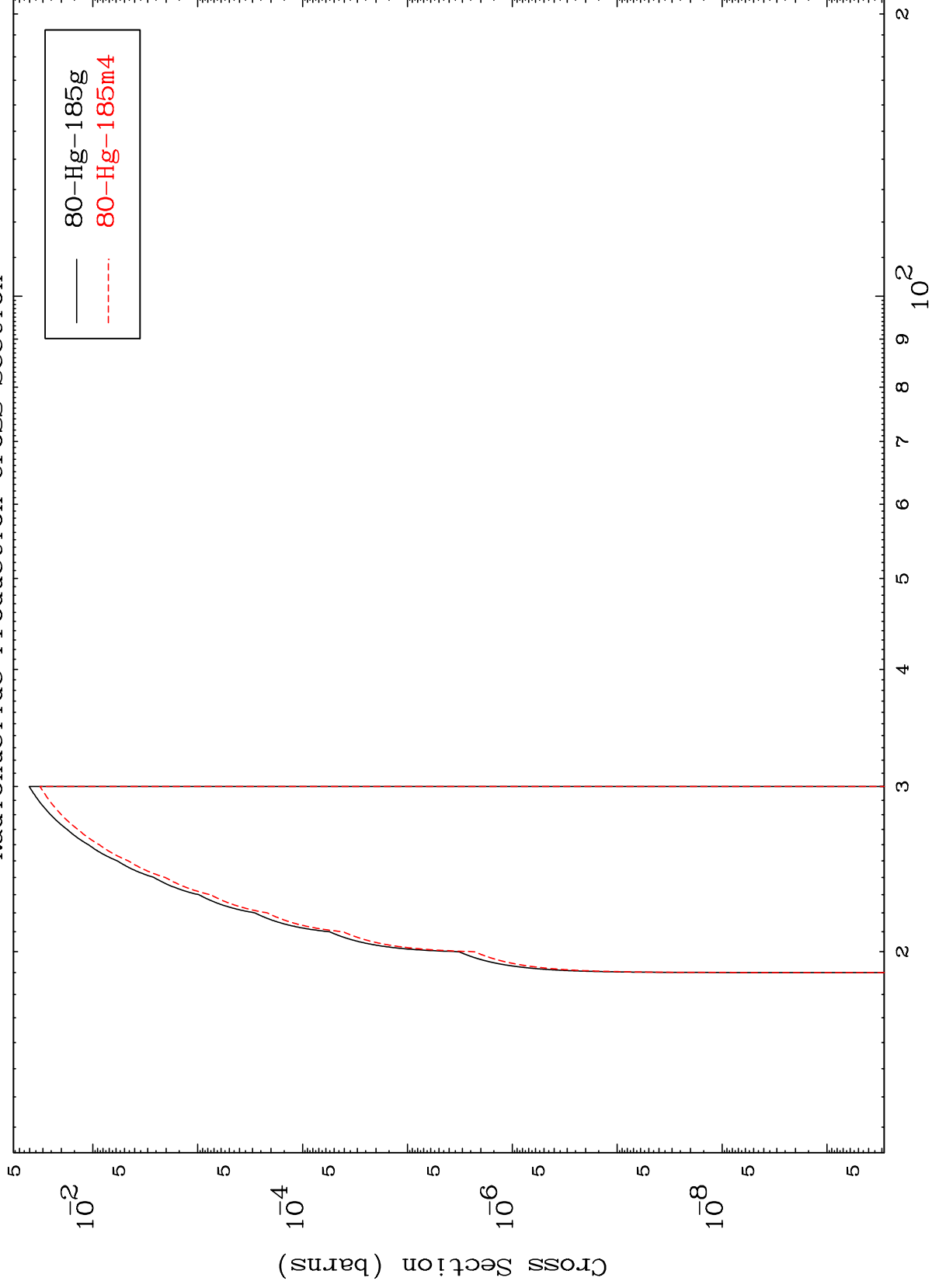
80-Hg-187g
80-Hg-187m1

MAT 8186

(n,3n) α

82-Pb-191

Radionuclide Production Cross Section



67

Incident Energy (MeV)

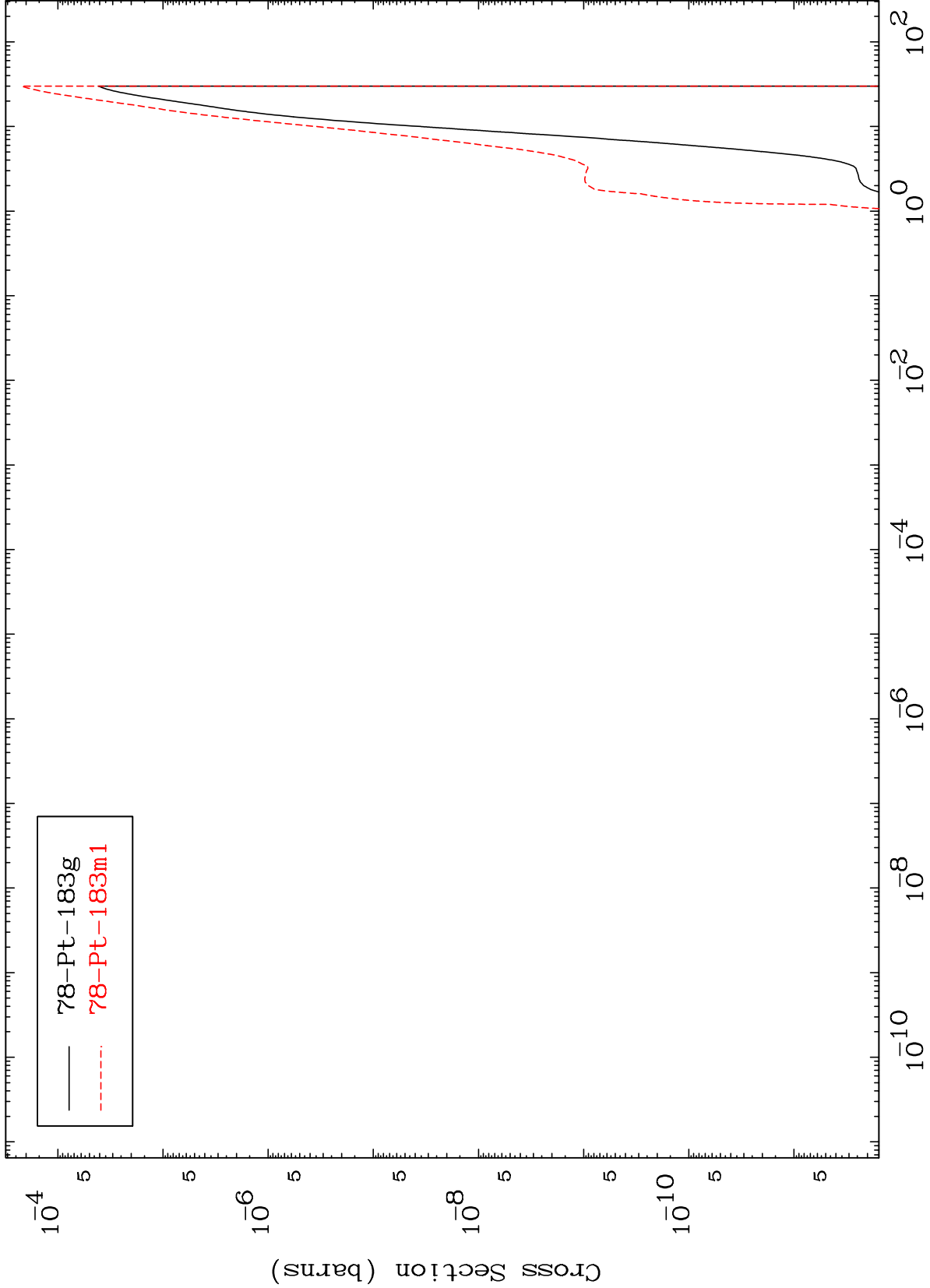
82-Pb-191

MAT 8186

(n,n') 2 α

82-Pb-191

Radionuclide Production Cross Section



68

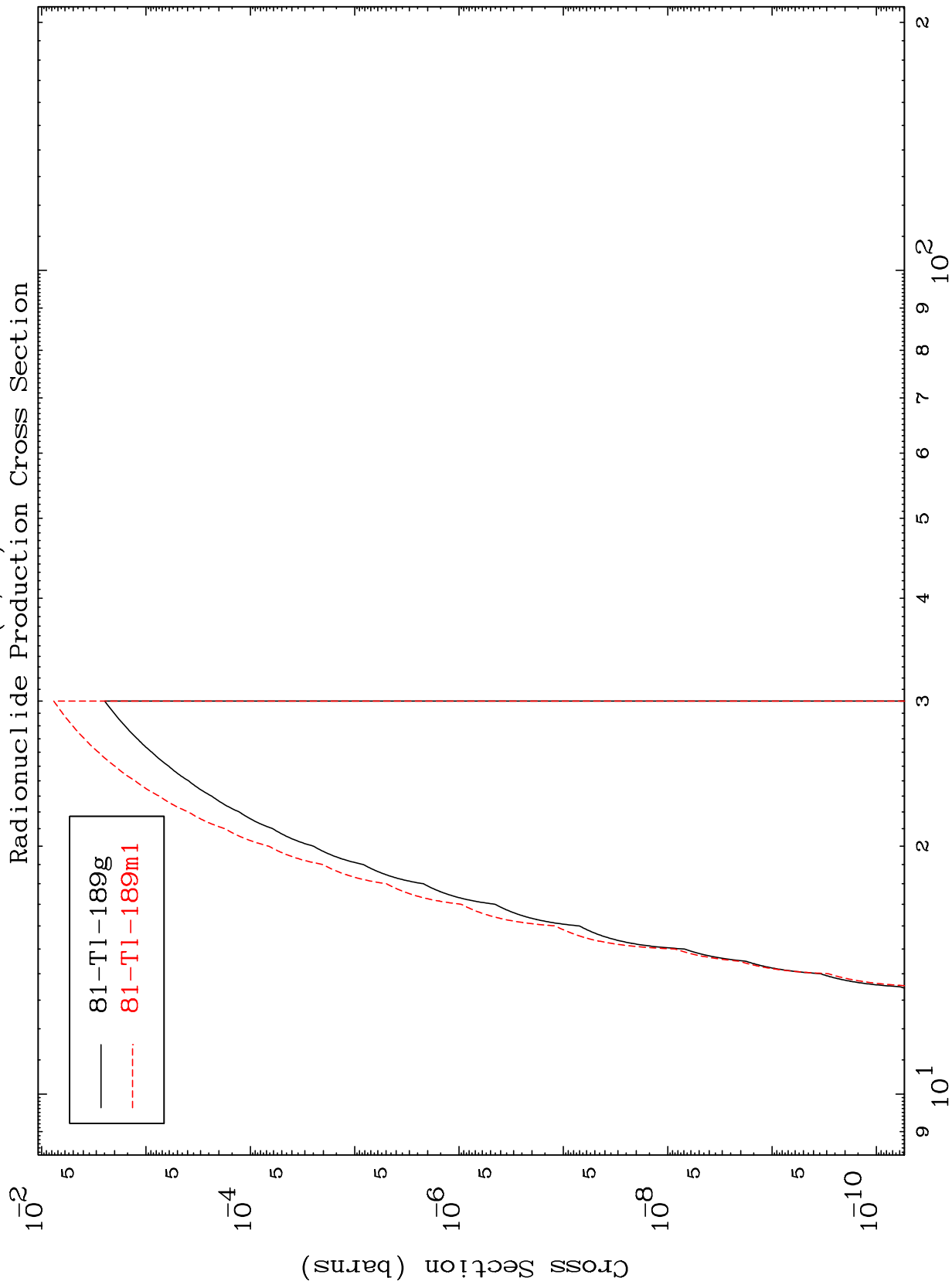
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,n') d

82-Pb-191



69

Incident Energy (MeV)

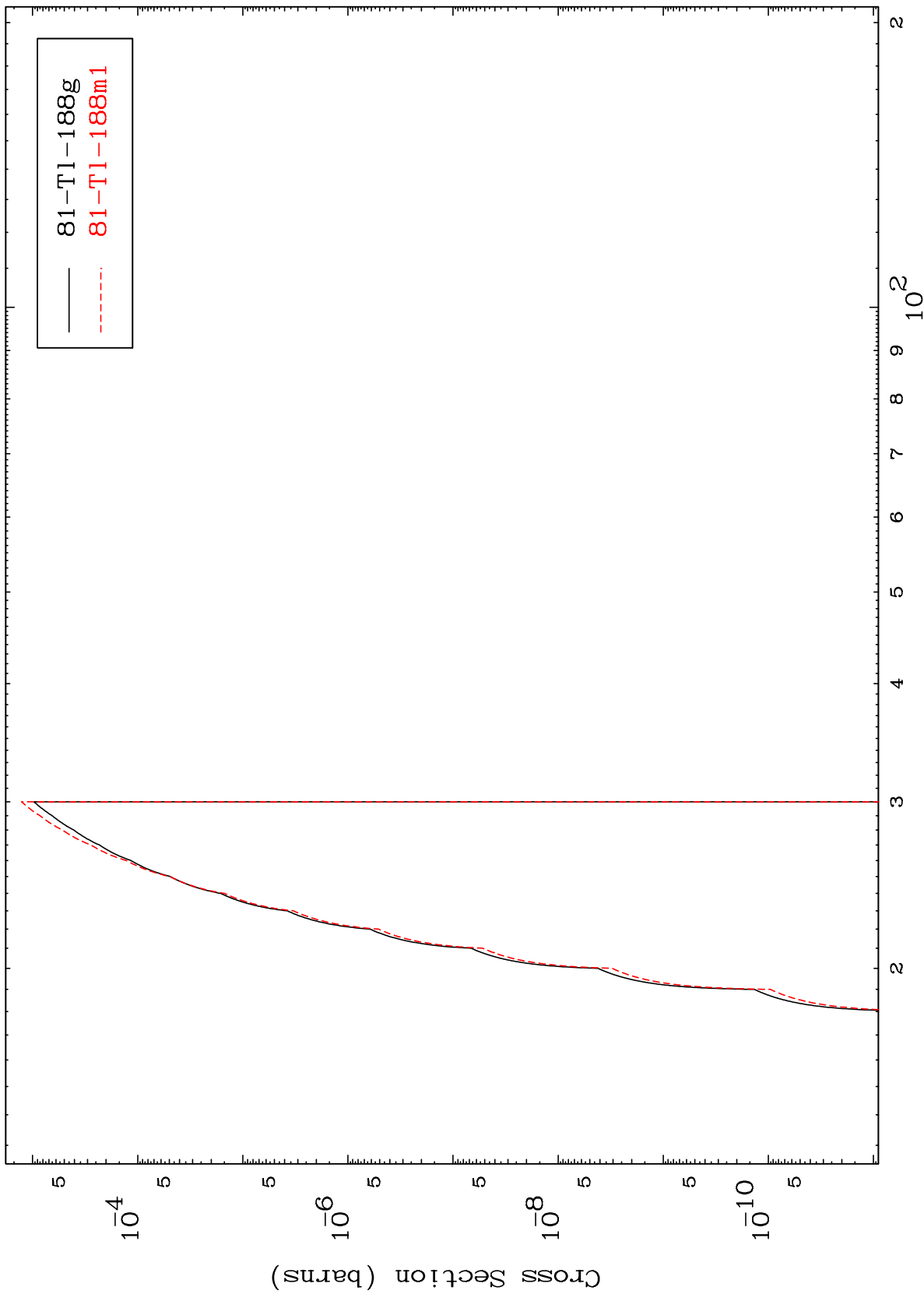
82-Pb-191

MAT 8186

(n,n') t

82-Pb-191

Radionuclide Production Cross Section

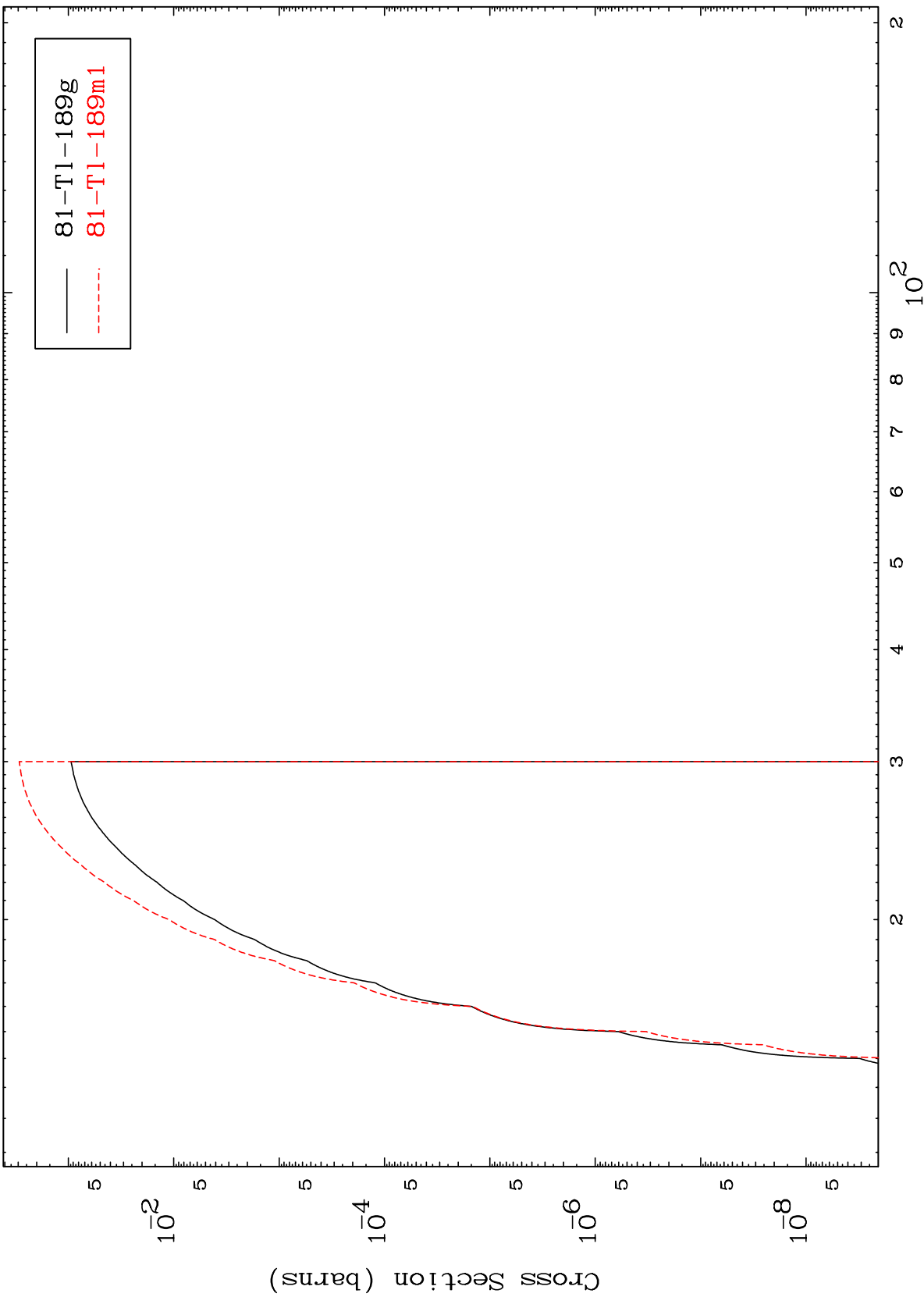


70

Incident Energy (MeV)

82-Pb-191

Radionuclide Production Cross Section



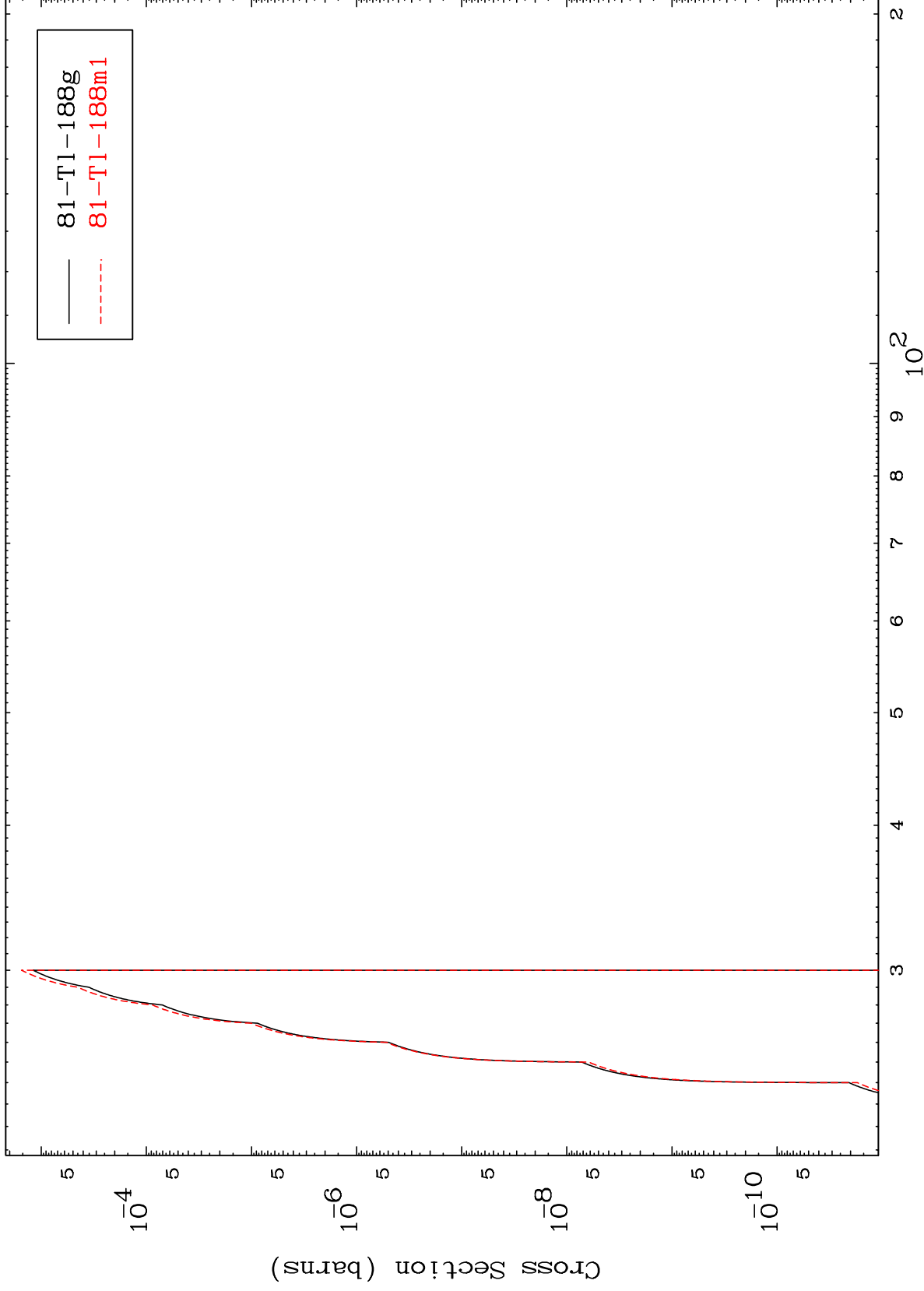
81-Tl-189g
81-Tl-189m1

MAT 8186

(n,3n) p

82-Pb-191

Radionuclide Production Cross Section



72

Incident Energy (MeV)

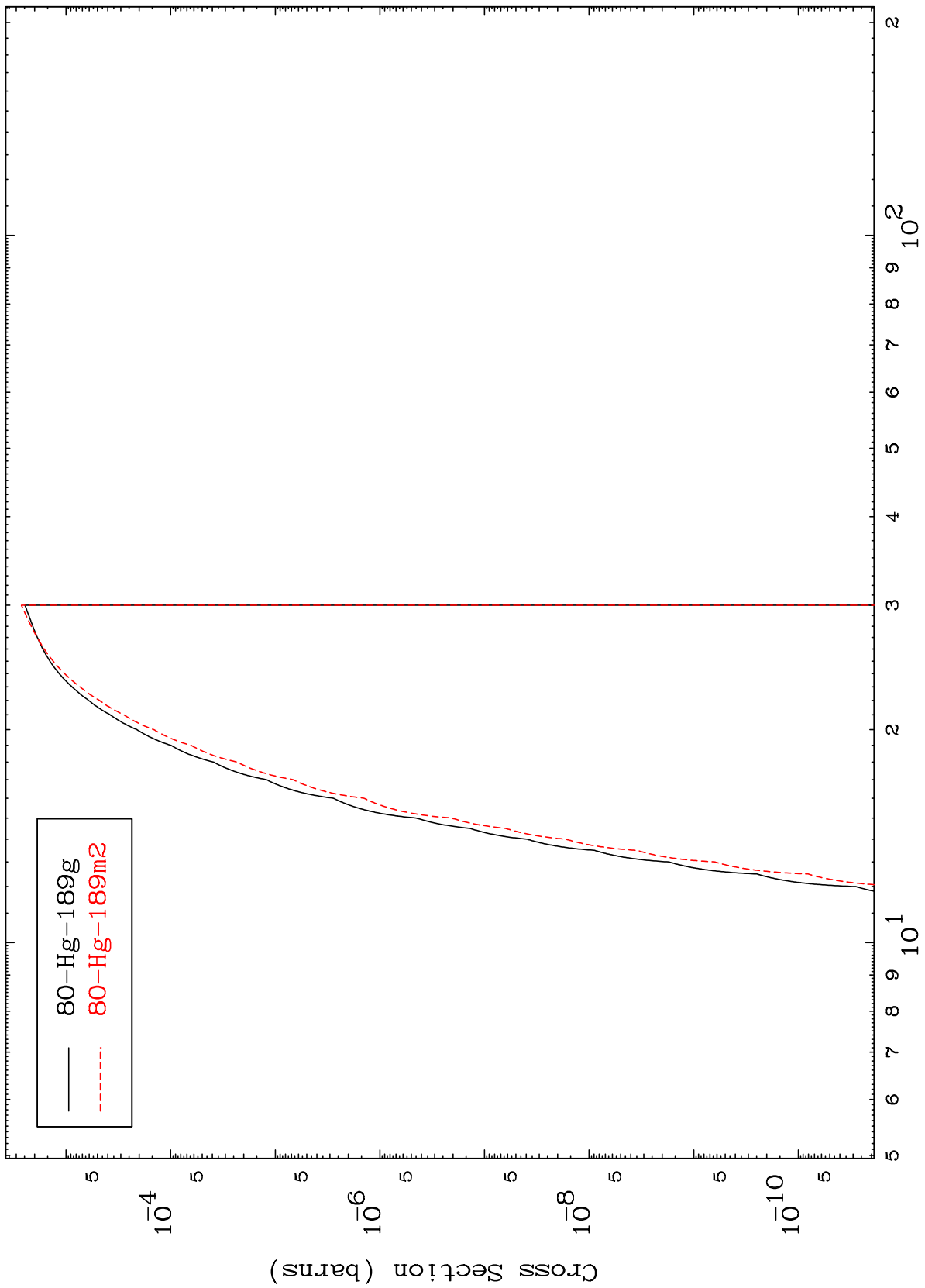
82-Pb-191

MAT 8186

(n,2n) p

82-Pb-191

Radionuclide Production Cross Section



80-Hg-189g
80-Hg-189m2

73

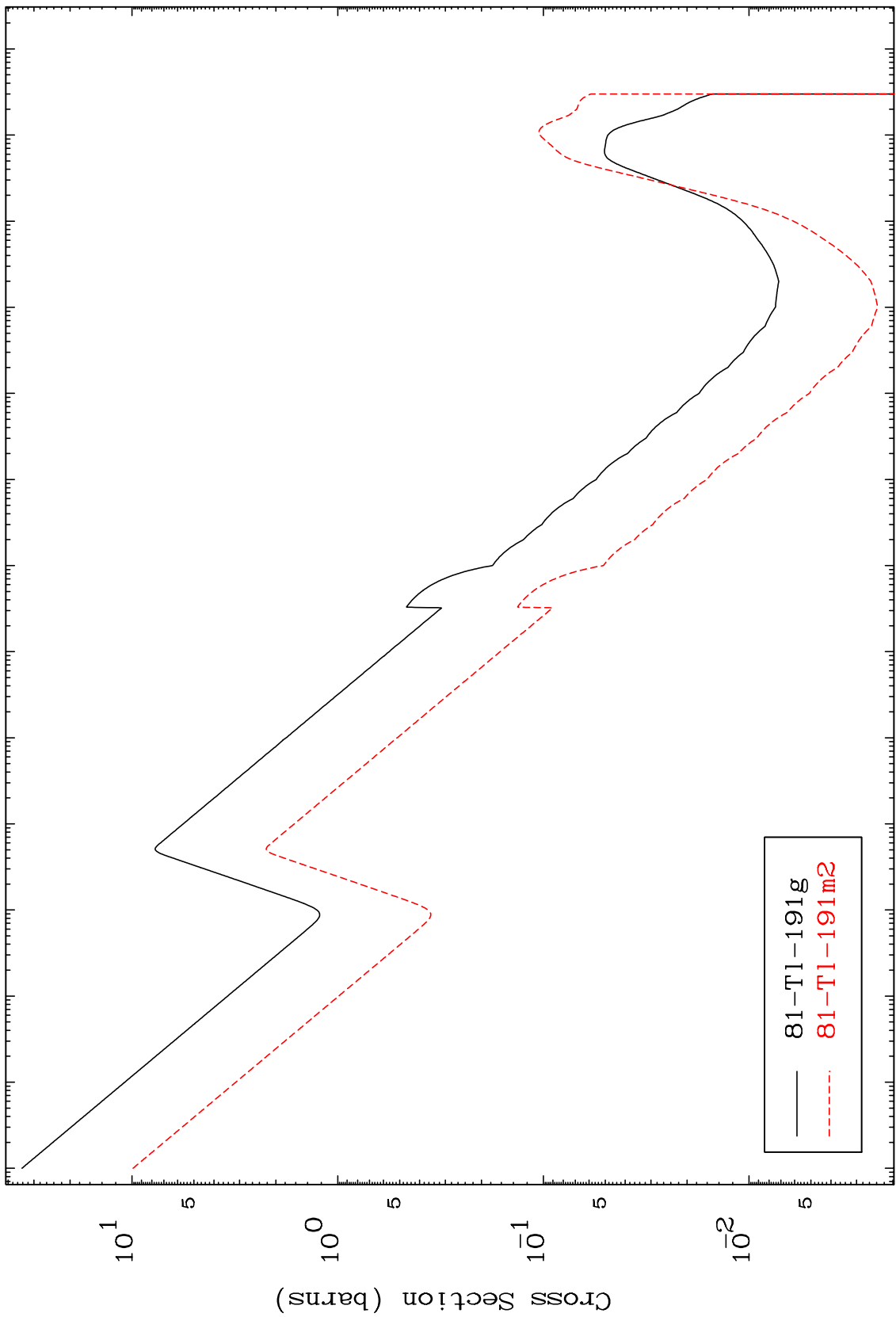
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n,p)
Radionuclide Production Cross Section



— 81-Tl-191g
- - - 81-Tl-191m2

82-Pb-191

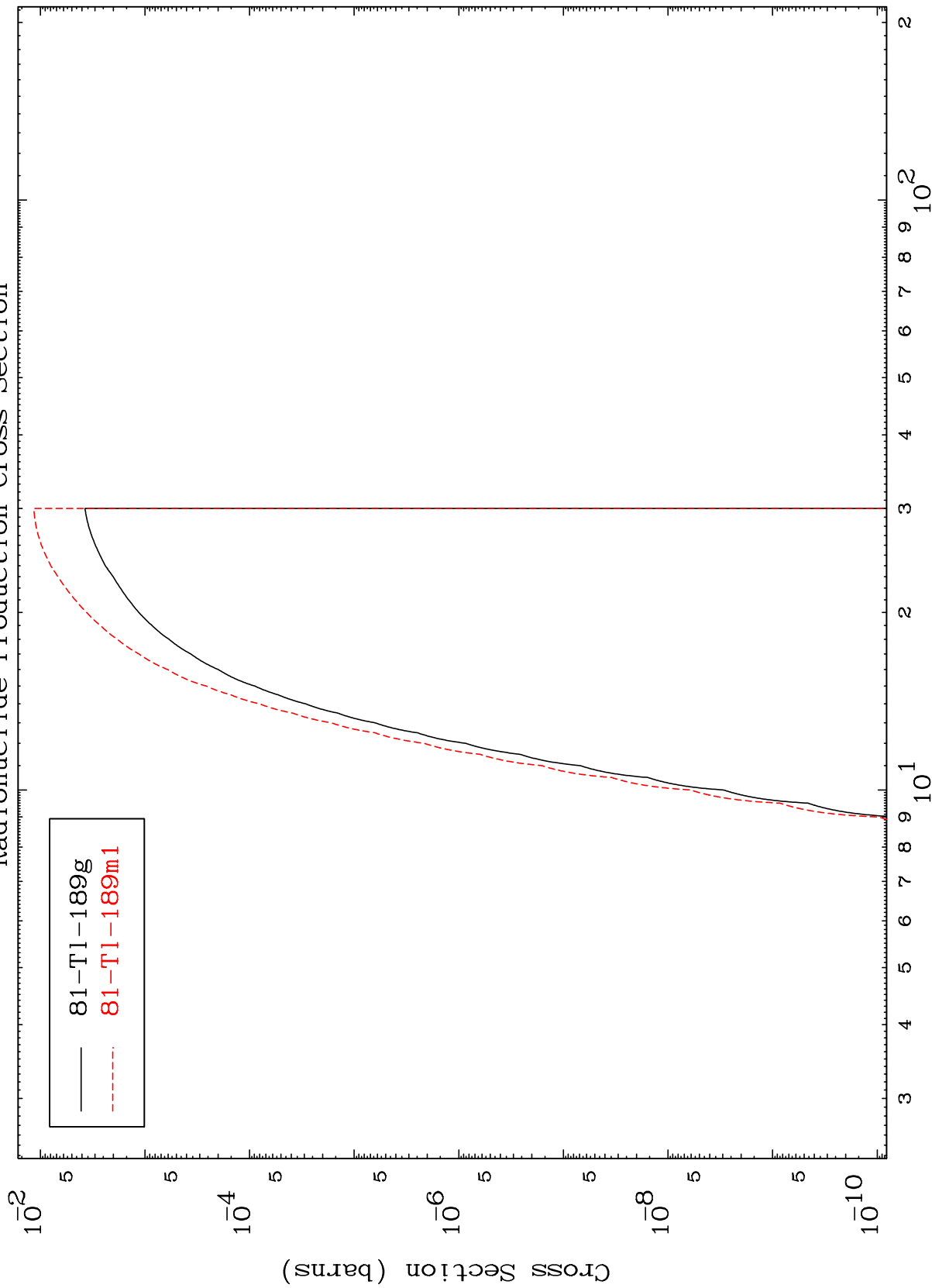
Incident Energy (MeV)

74

MAT 8186

82-Pb-191

(n, t)
Radionuclide Production Cross Section



— 81-Tl-189g
- - - 81-Tl-189m1

75

Incident Energy (MeV)

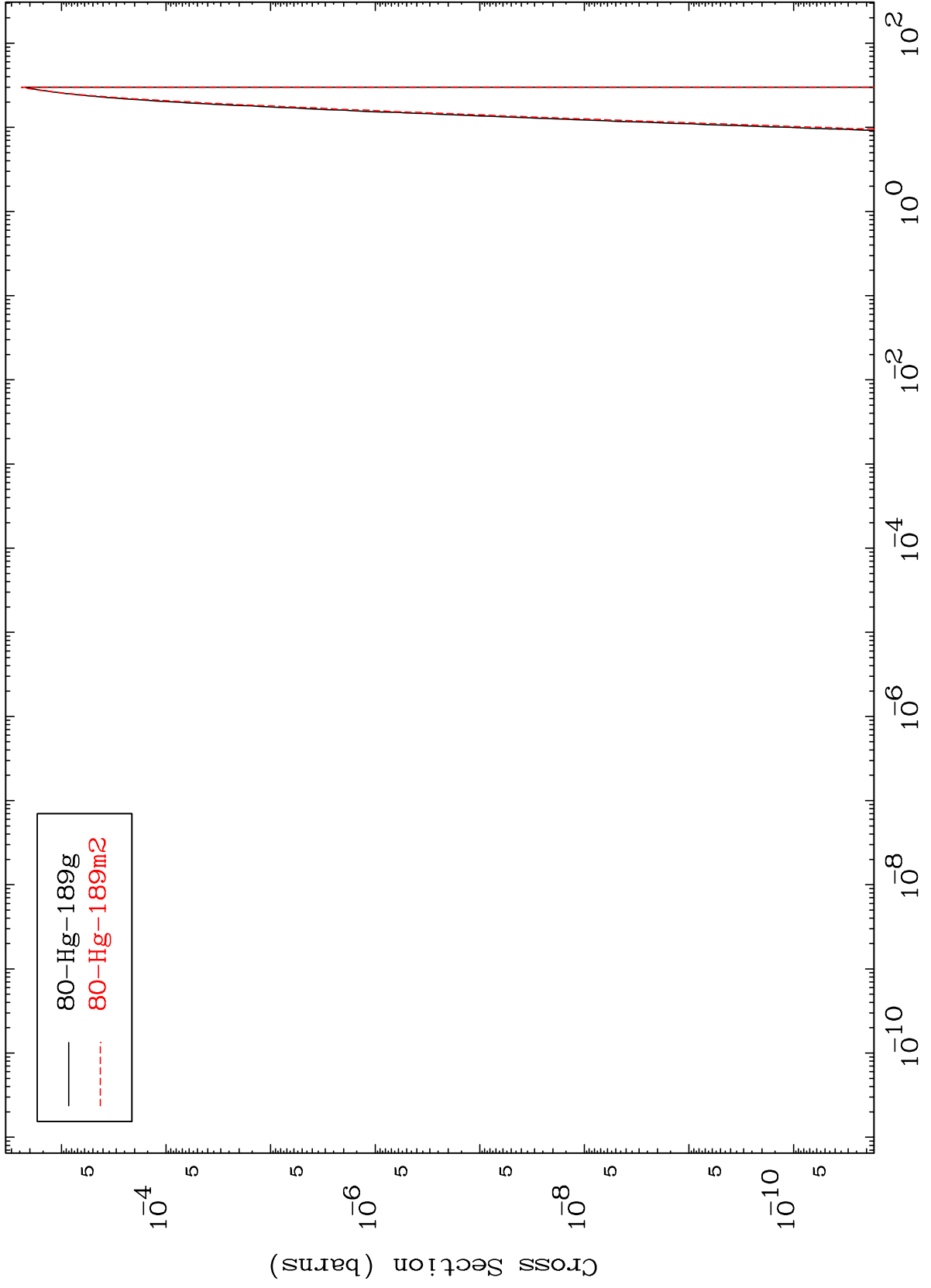
82-Pb-191

MAT 8186

(n,He-3)

82-Pb-191

Radionuclide Production Cross Section



80-Hg-189g
80-Hg-189m2

76

Incident Energy (MeV)

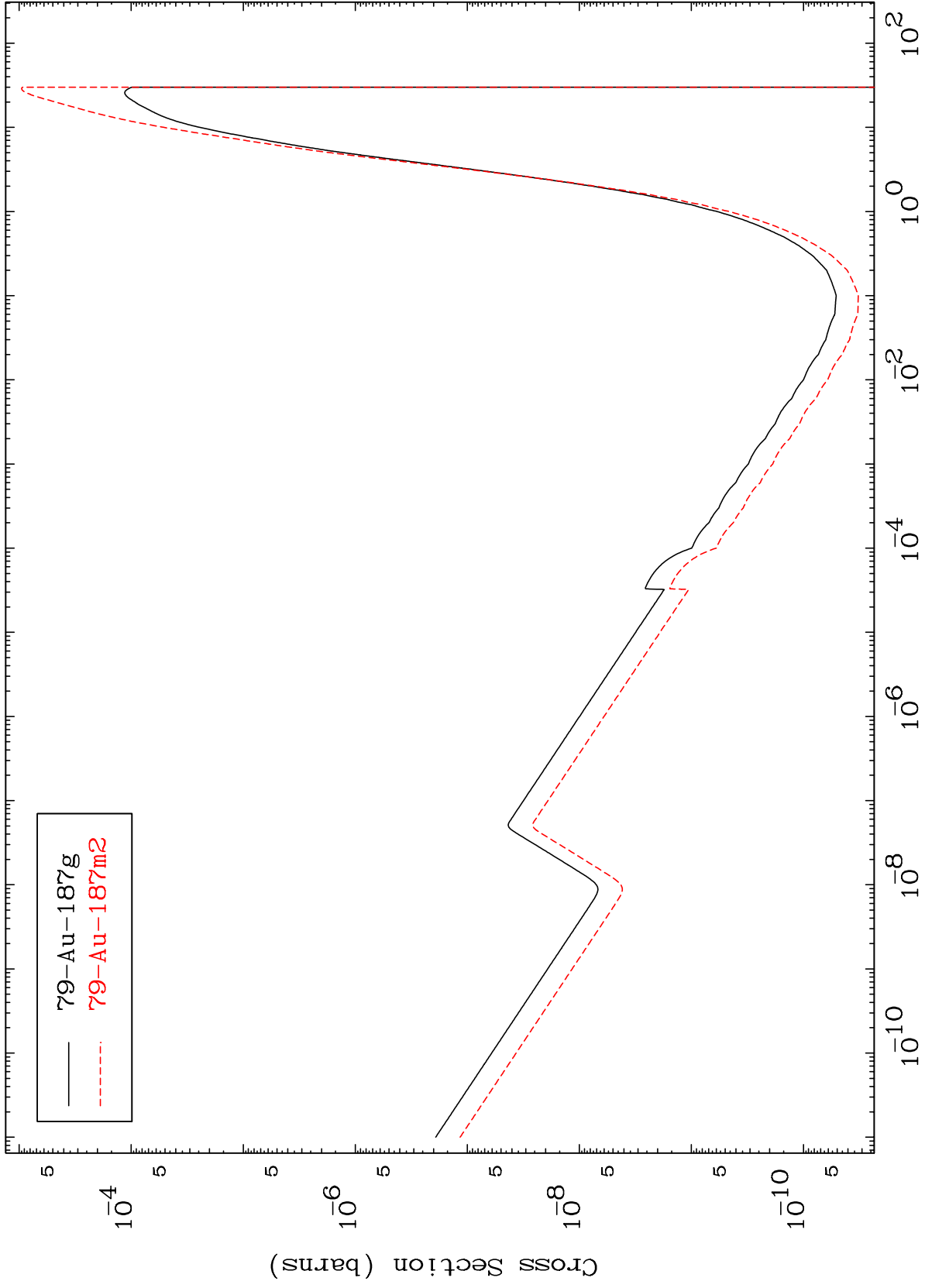
82-Pb-191

MAT 8186

(n,p) α

82-Pb-191

Radionuclide Production Cross Section



79-Au-187g
79-Au-187m2

77

Incident Energy (MeV)

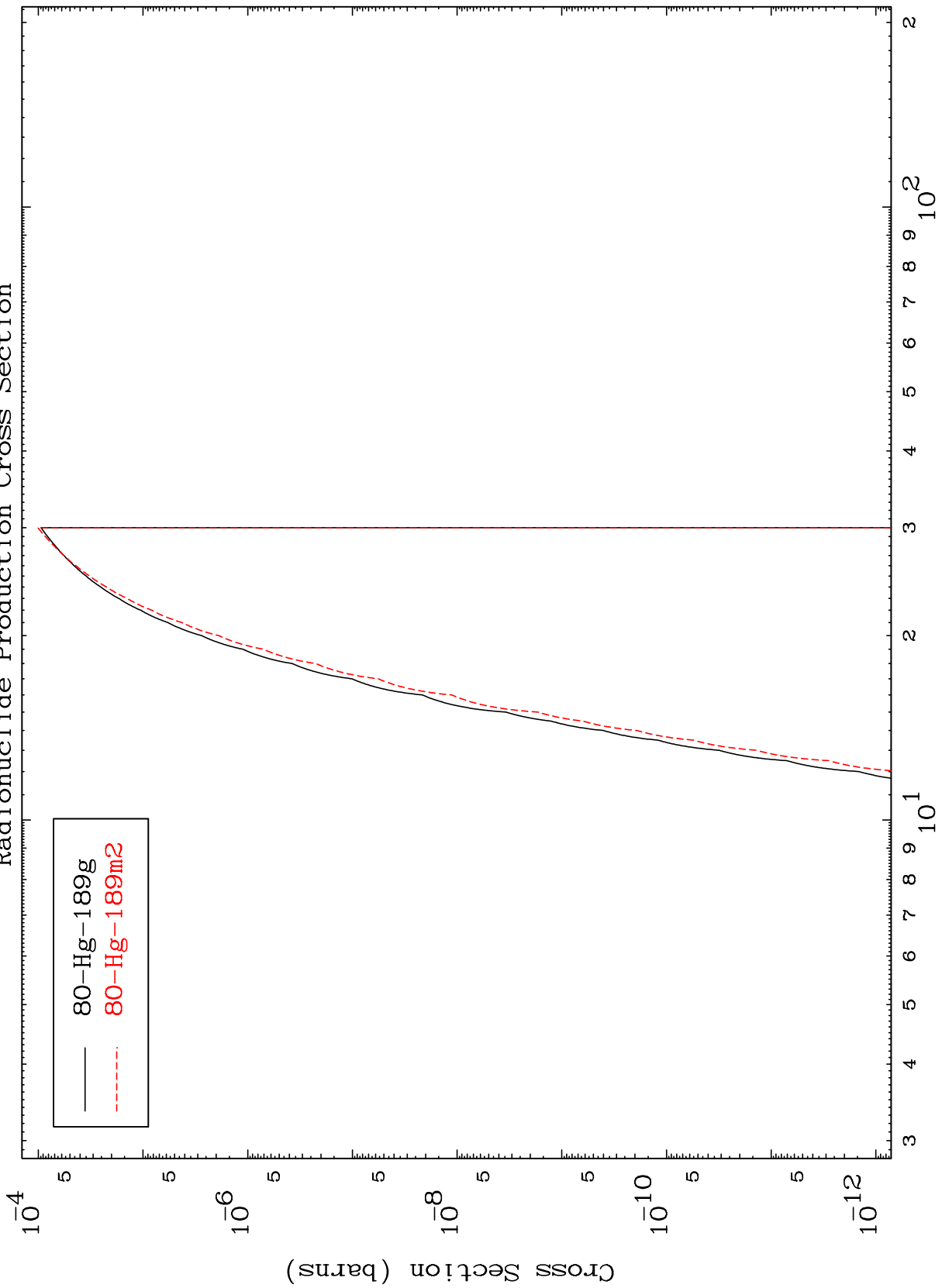
82-Pb-191

MAT 8186

(n,p) d

82-Pb-191

Radionuclide Production Cross Section



80-Hg-189g
80-Hg-189m2

78

Incident Energy (MeV)

82-Pb-191