

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

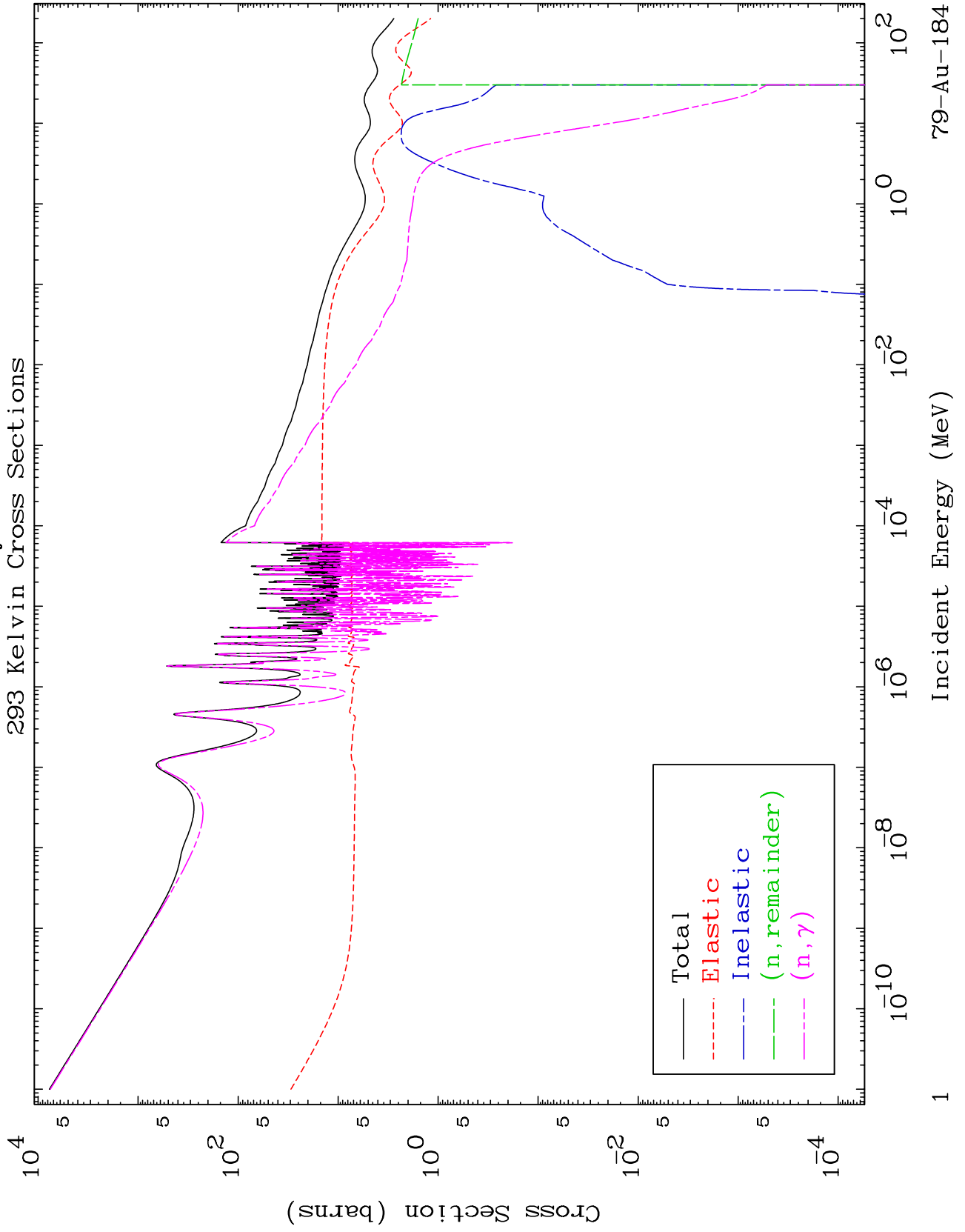
Press Mouse Button to Start

MAT 7886

Major

293 Kelvin Cross Sections

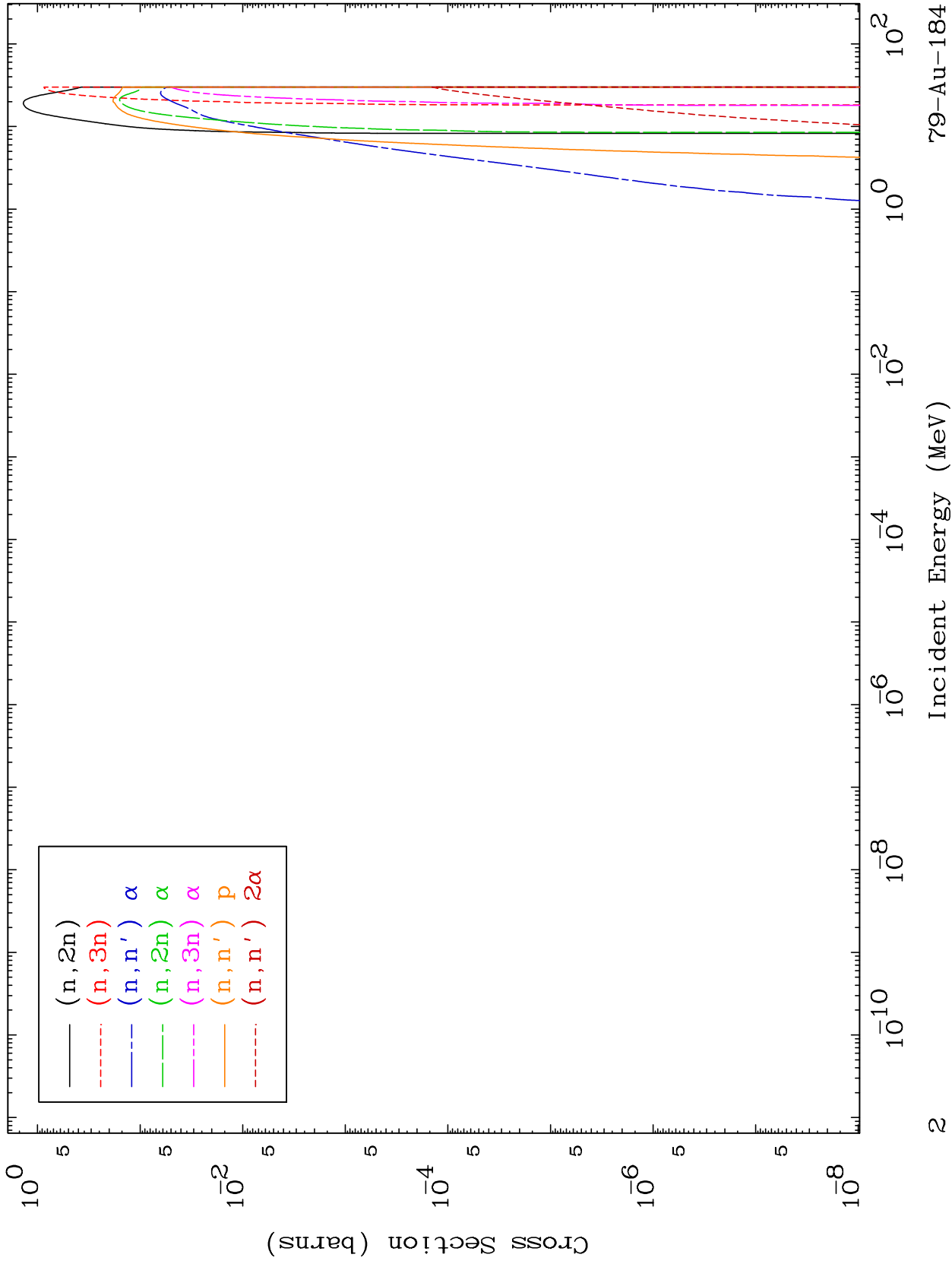
79-Au-184



MAT 7886

Neutron Production
293 Kelvin Cross Sections

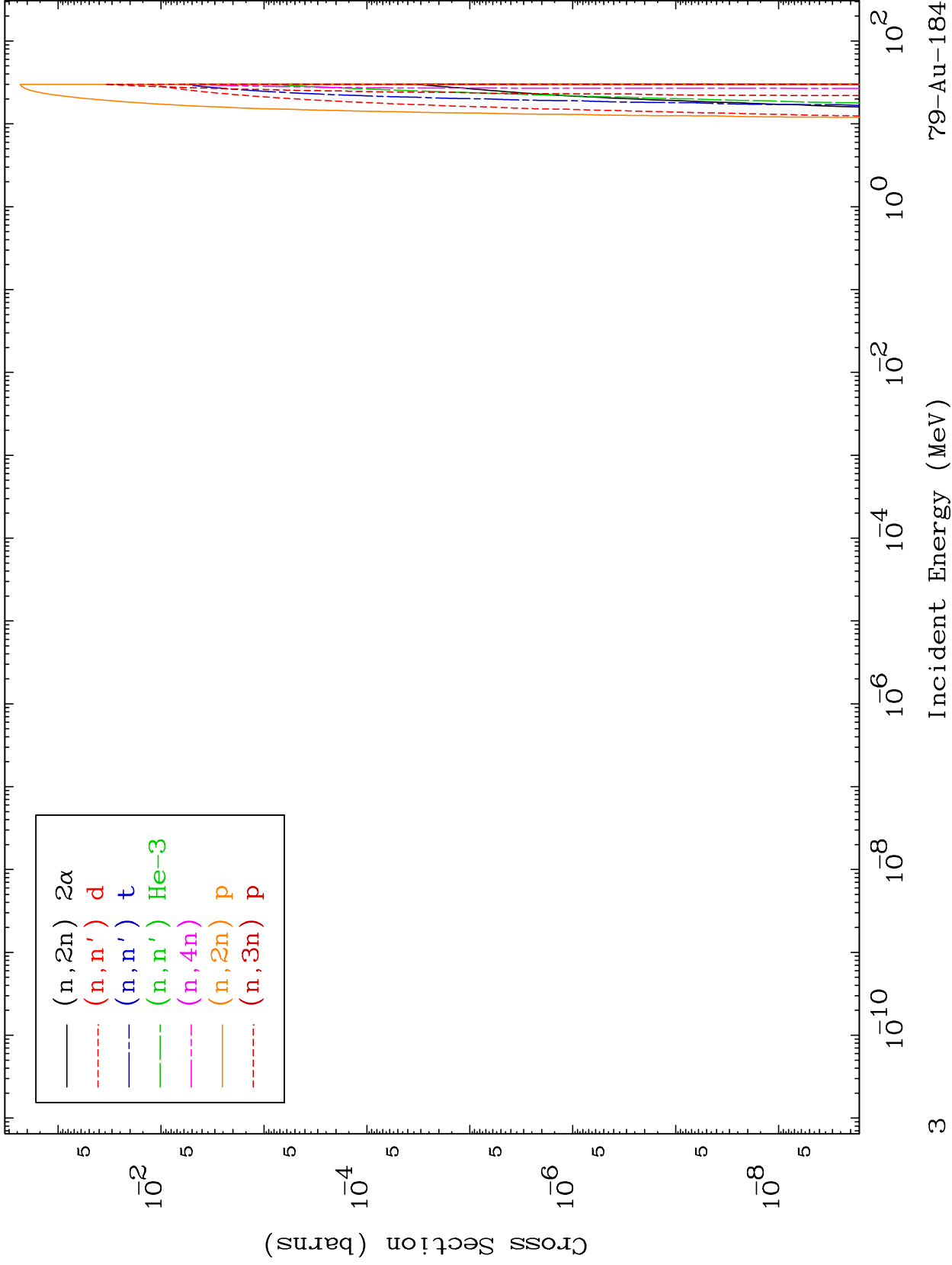
79-Au-184



MAT 7886

Neutron Production
293 Kelvin Cross Sections

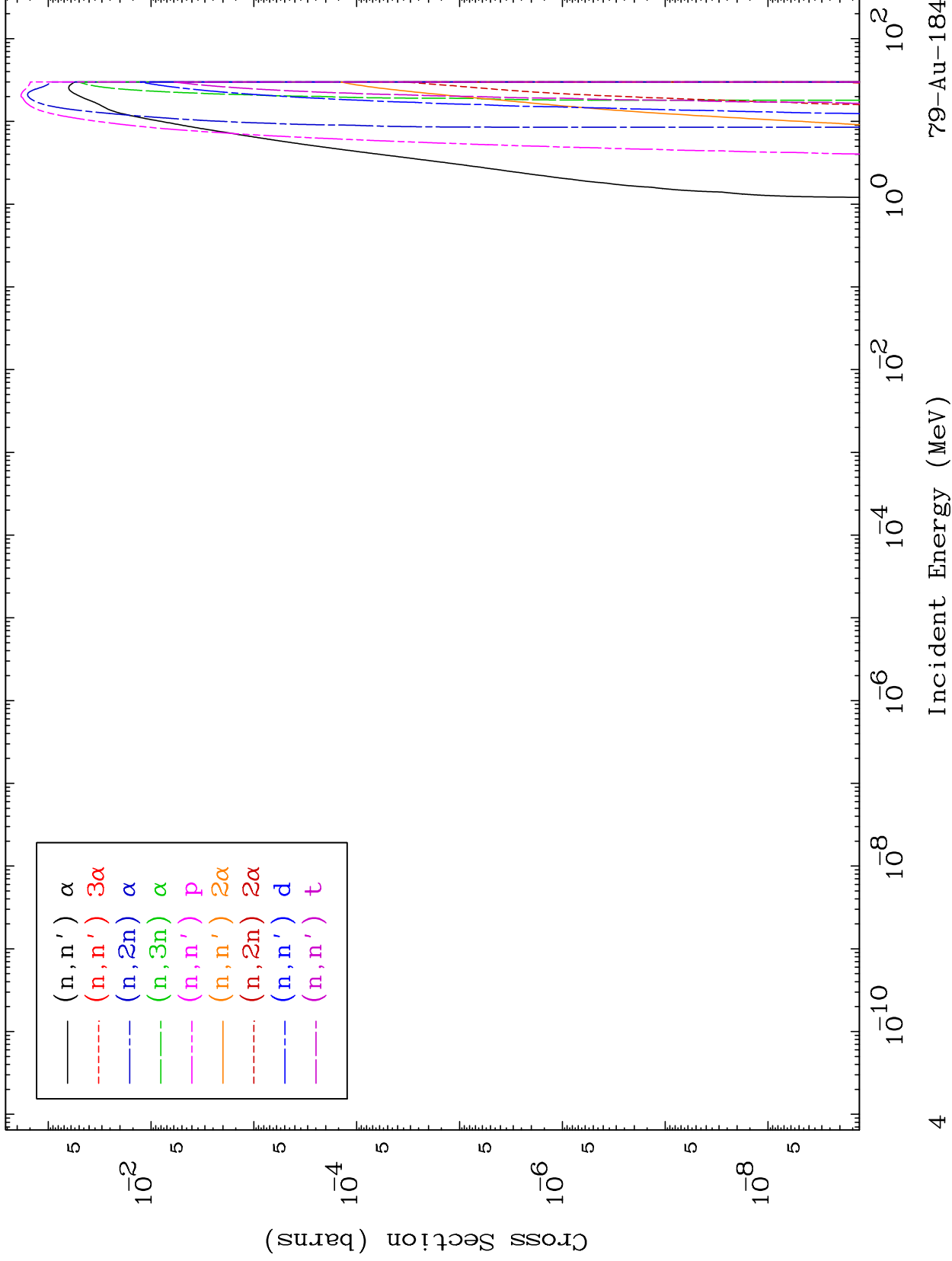
79-Au-184



MAT 7886

Charged Particle
293 Kelvin Cross Sections

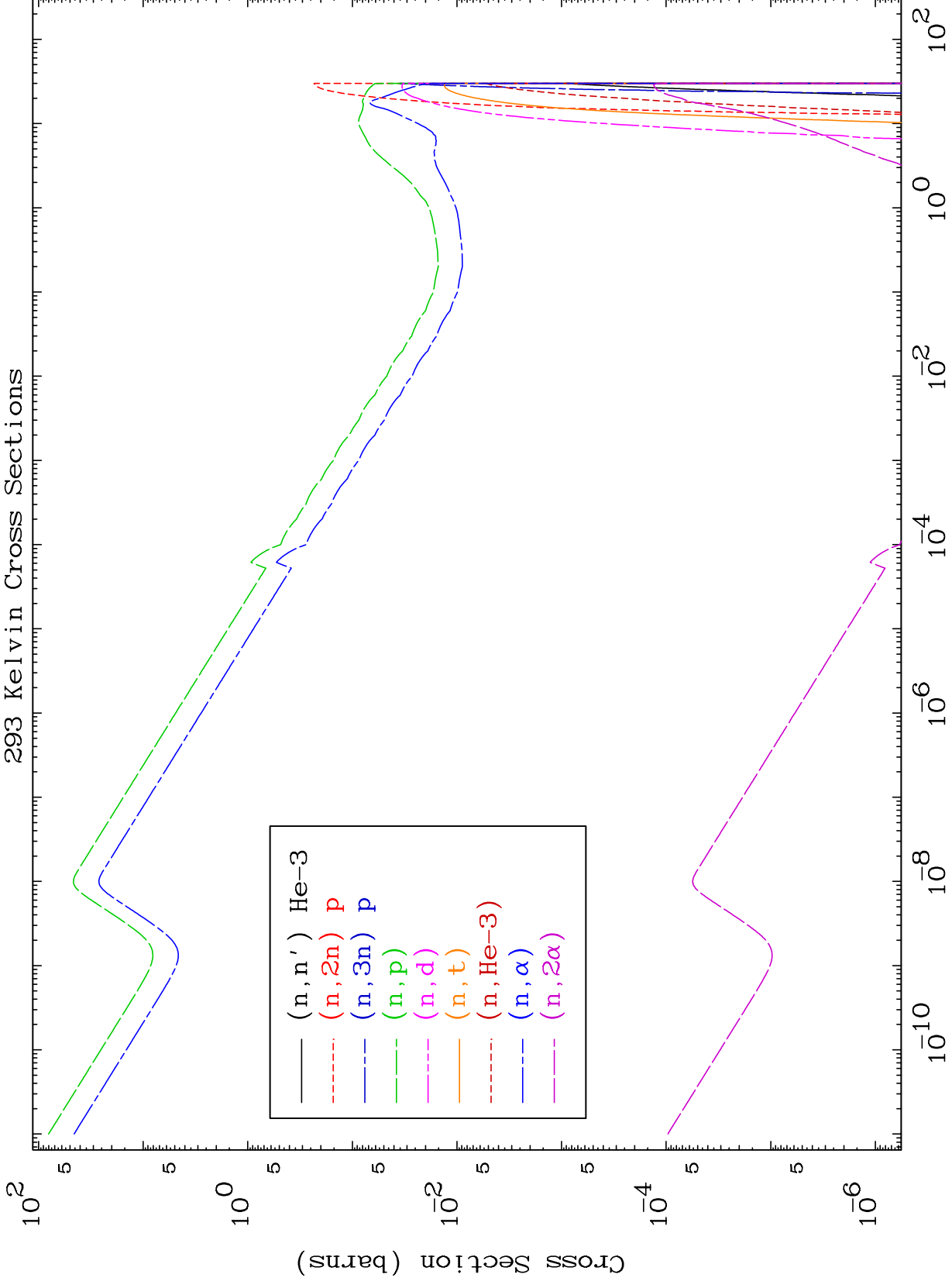
79-Au-184



MAT 7886

Charged Particle
293 Kelvin Cross Sections

79-Au-184



5

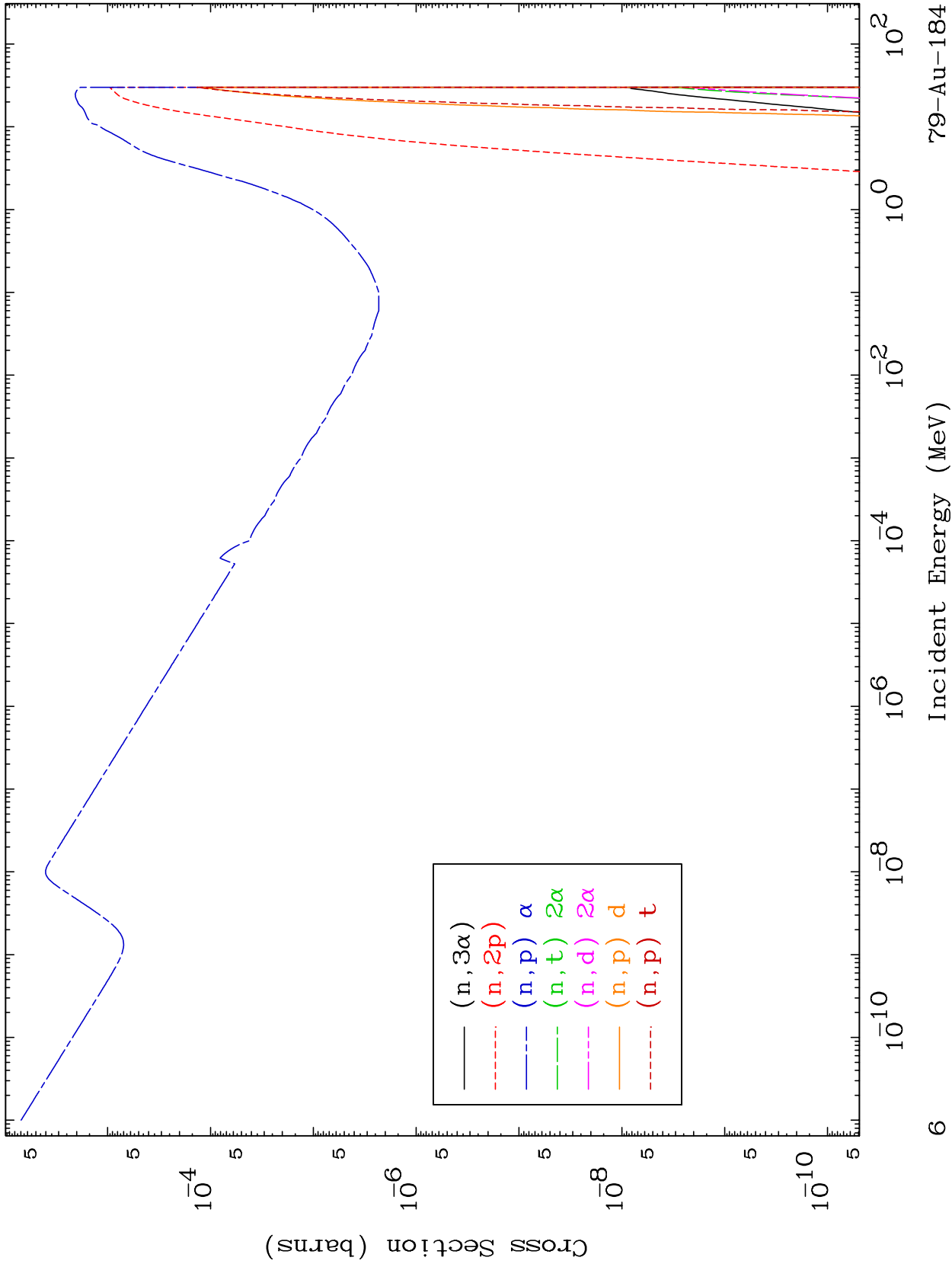
Incident Energy (MeV)

79-Au-184

MAT 7886

Charged Particle
293 Kelvin Cross Sections

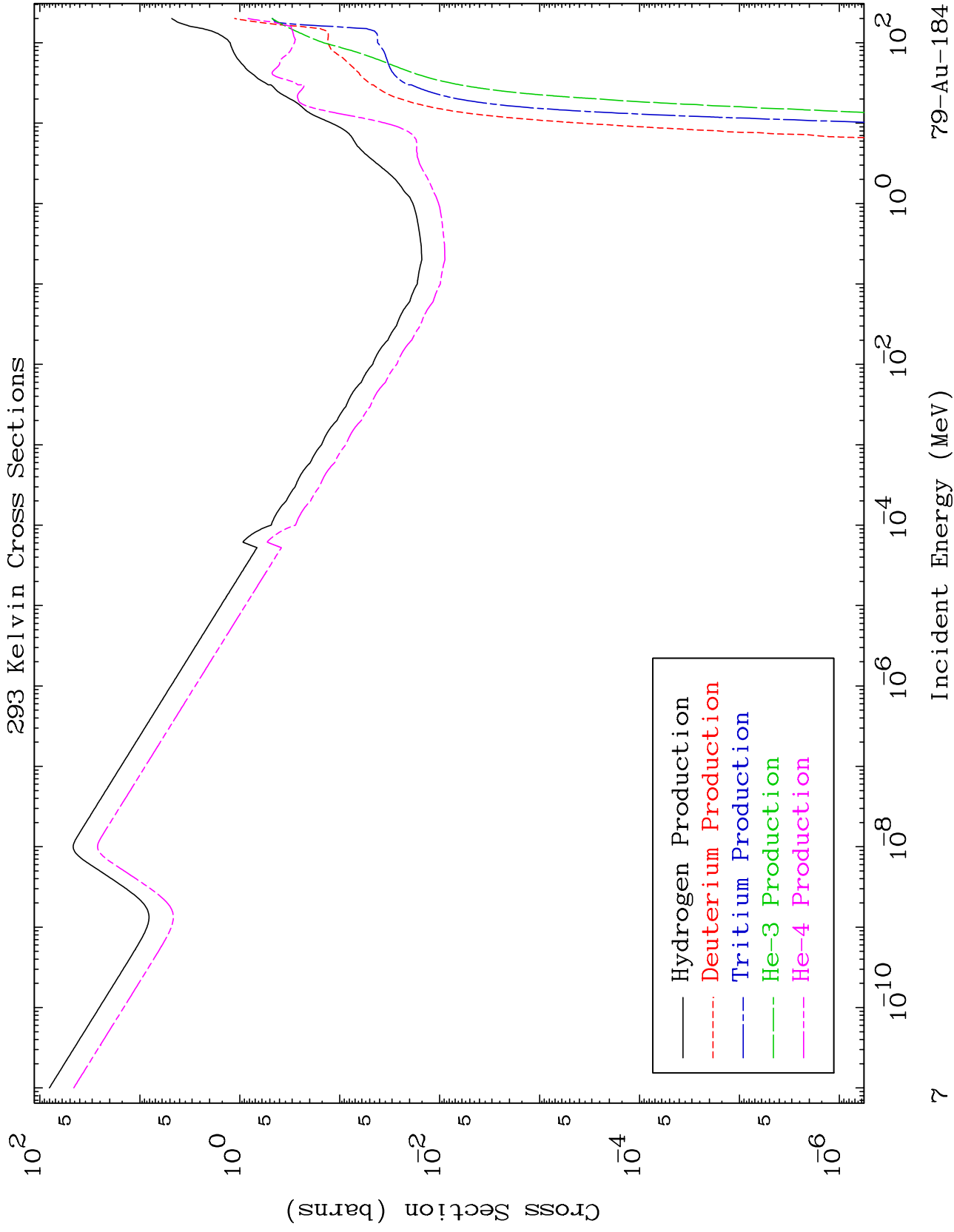
79-Au-184



MAT 7886

Particle Production
293 Kelvin Cross Sections

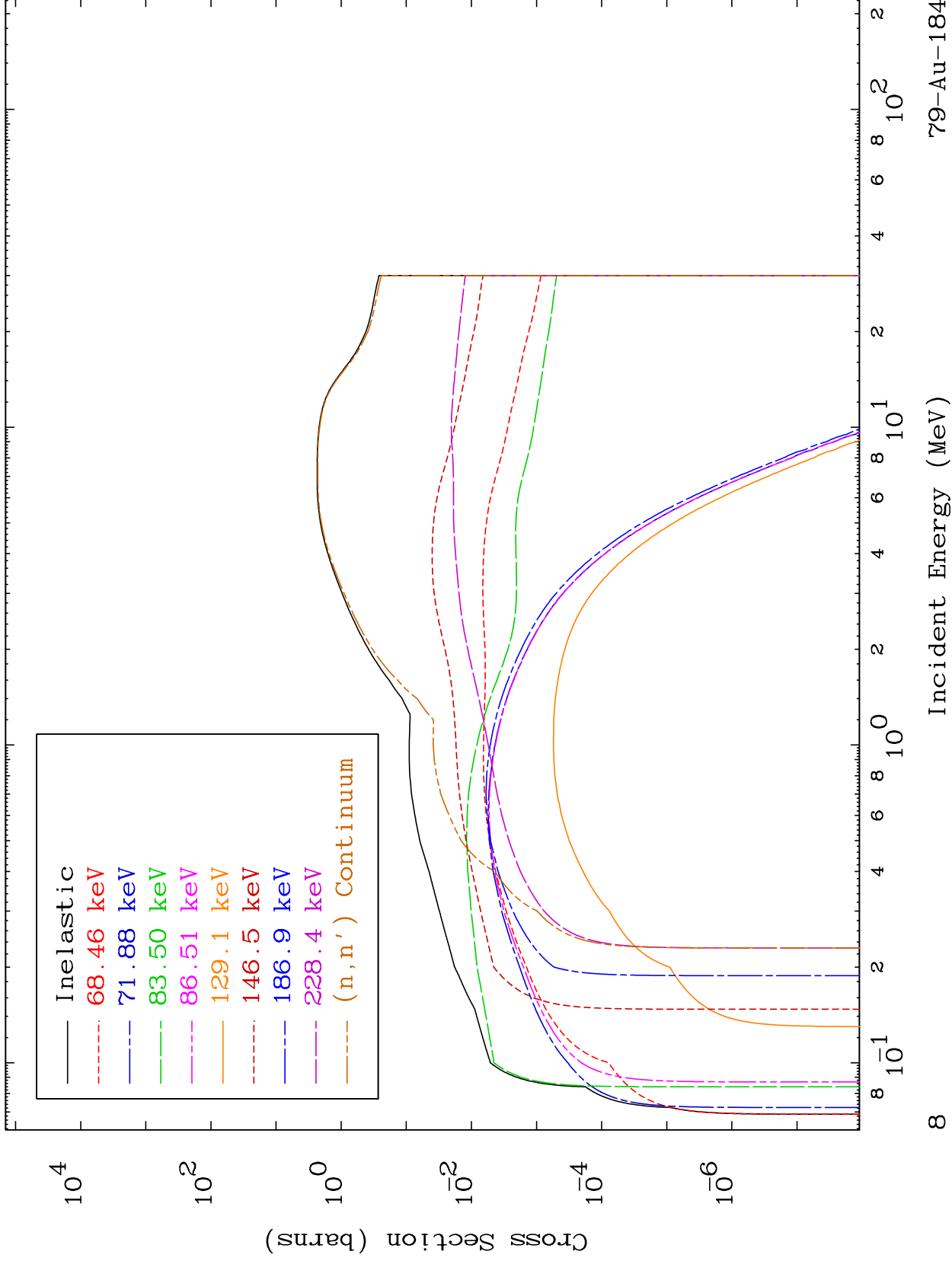
79-Au-184



MAT 7886

(n,n') Level
293 Kelvin Cross Sections

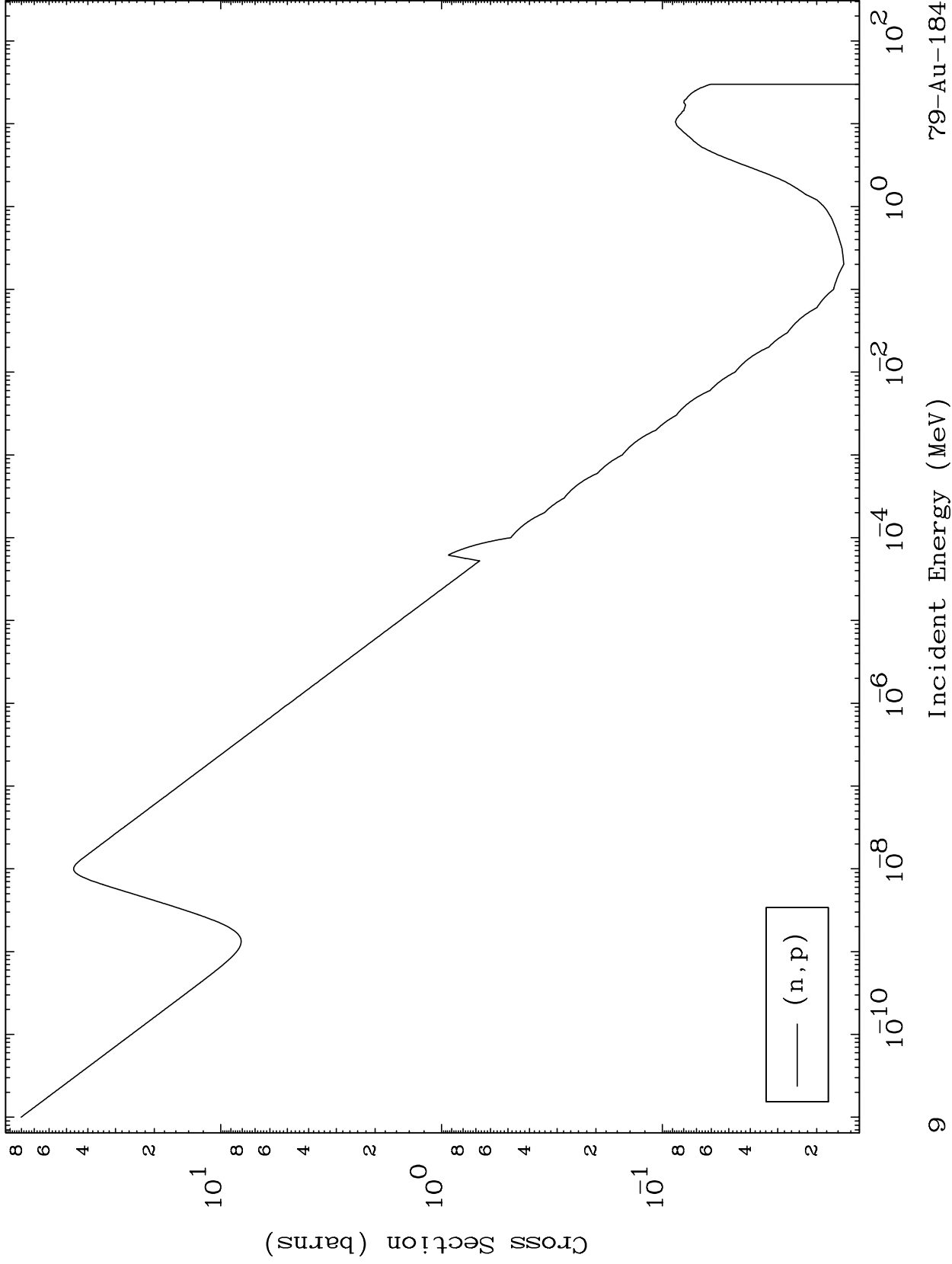
79-Au-184



MAT 7886

(n,p) Levels
293 Kelvin Cross Sections

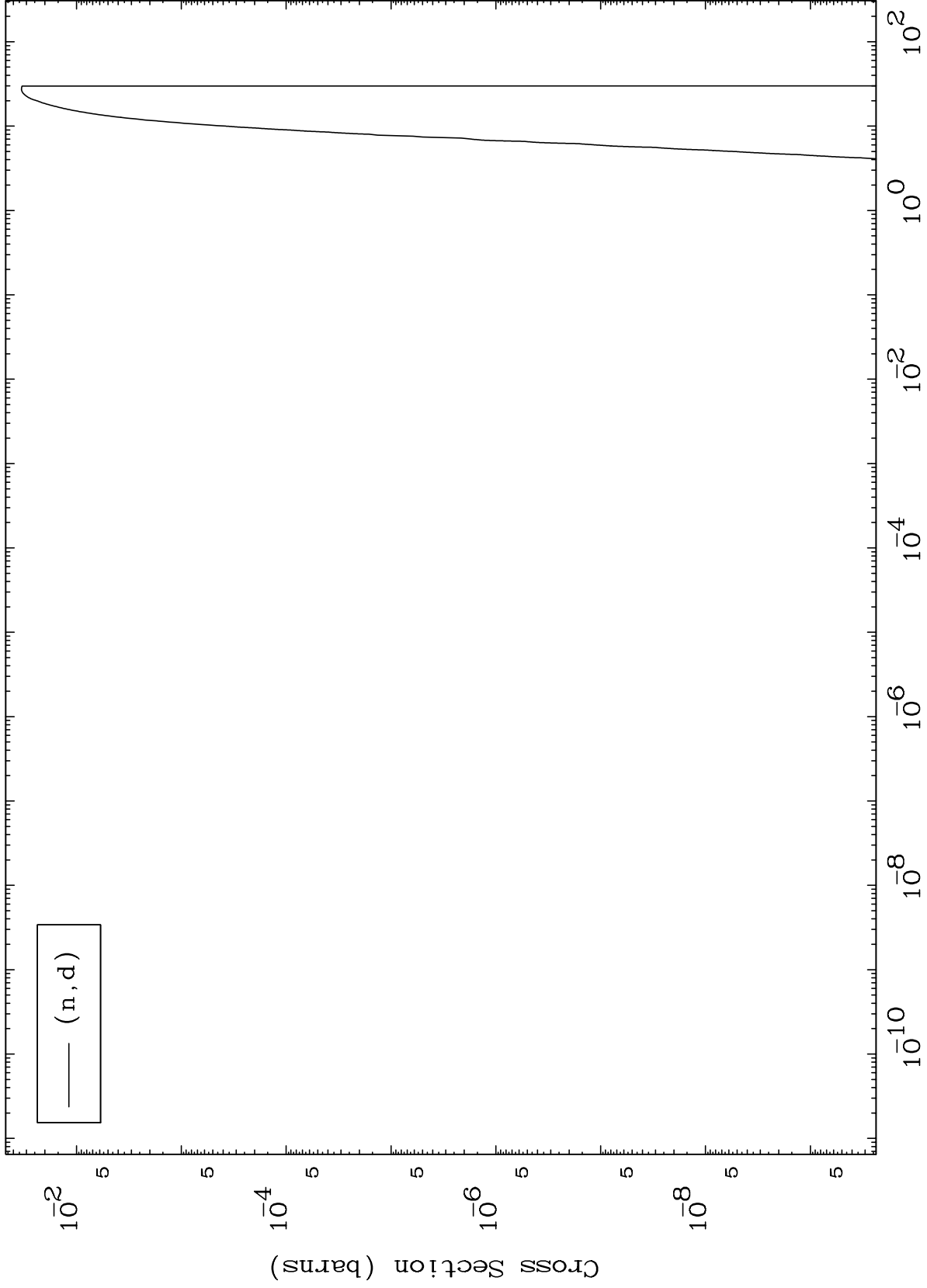
79-Au-184



MAT 7886

(n,d) Levels
293 Kelvin Cross Sections

79-Au-184



10

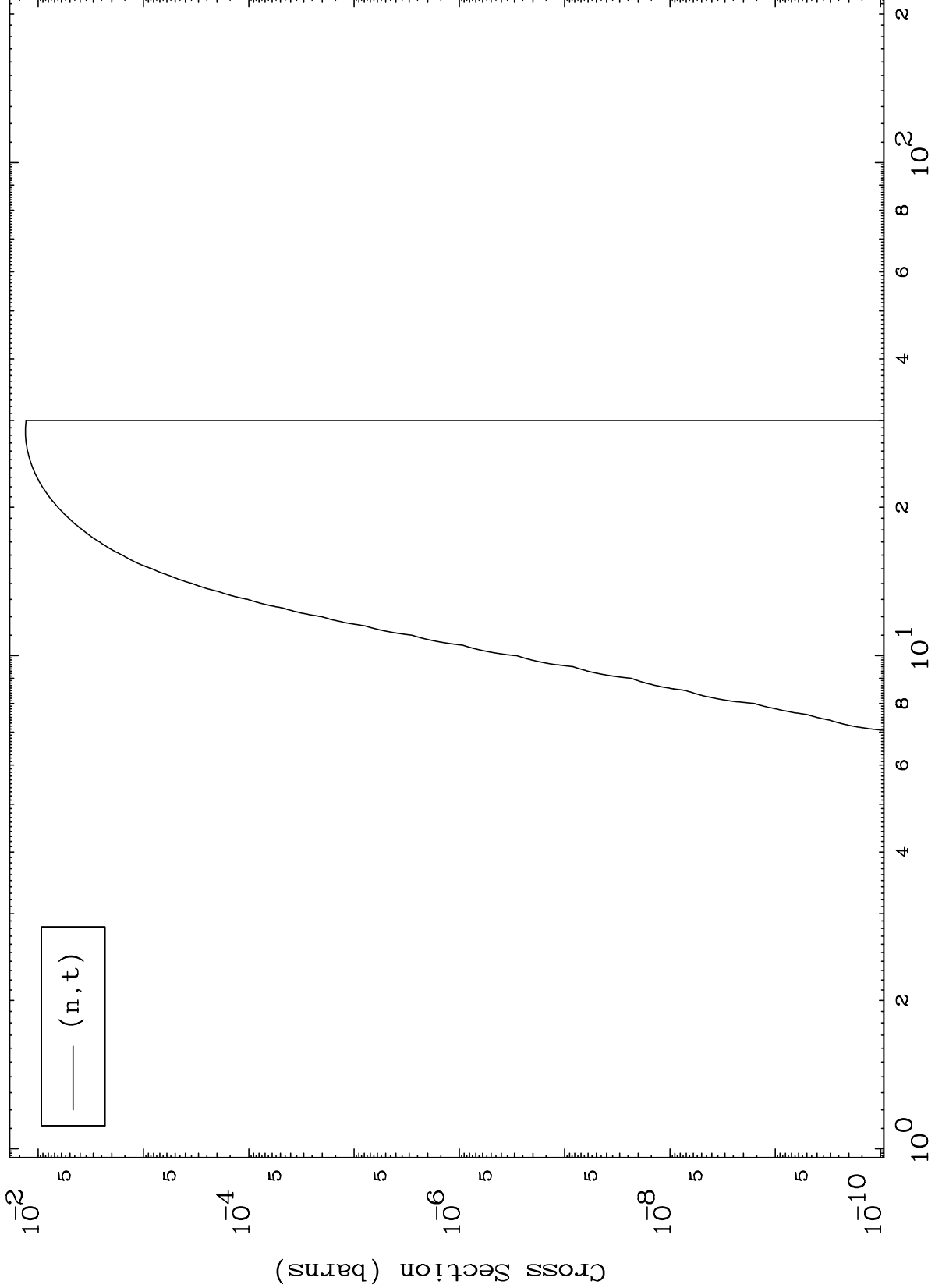
Incident Energy (MeV)

79-Au-184

MAT 7886

(n,t) Levels
293 Kelvin Cross Sections

79-Au-184



(n,t)

Incident Energy (MeV)

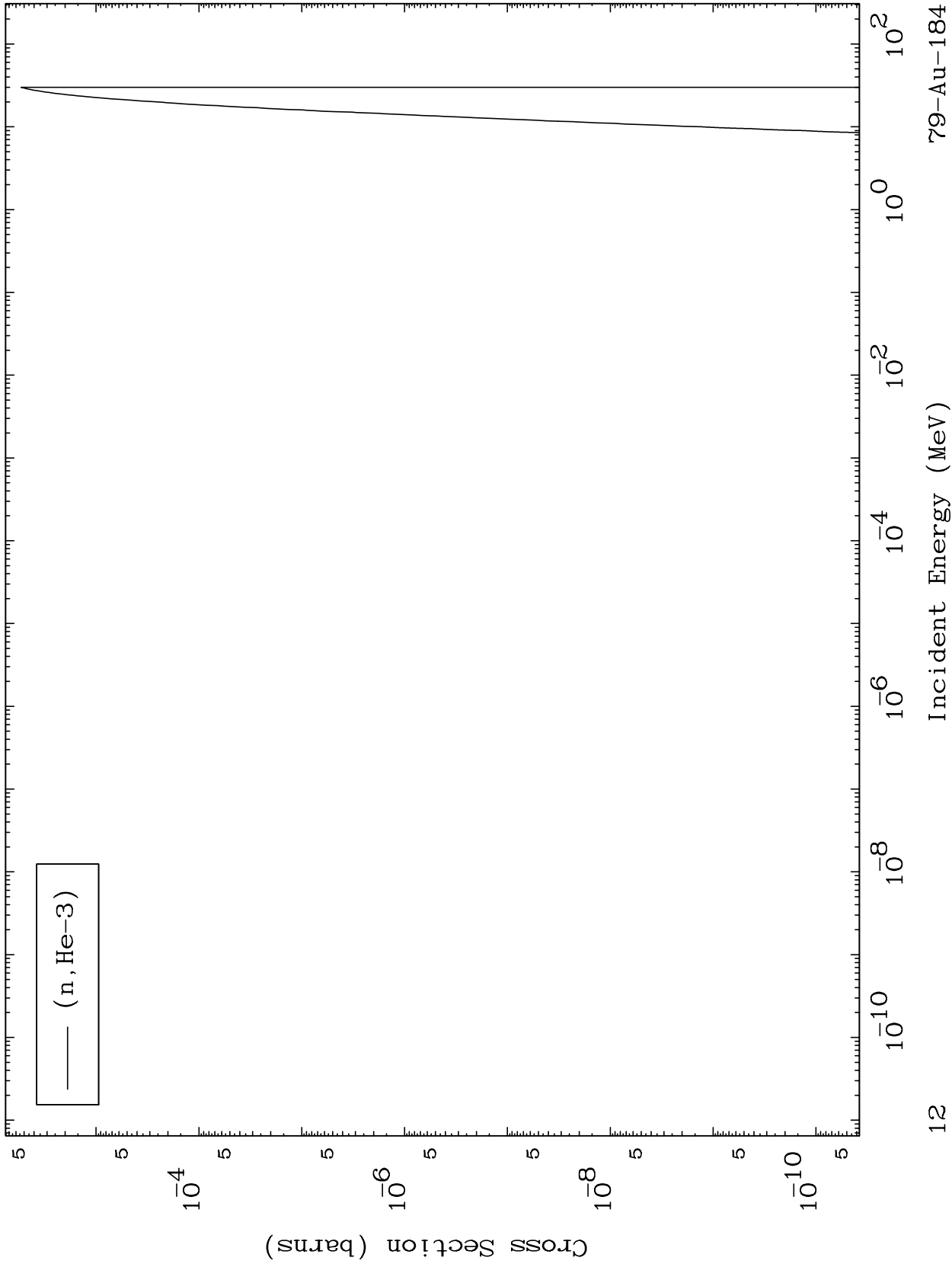
79-Au-184

11

MAT 7886

(n,He3) Levels
293 Kelvin Cross Sections

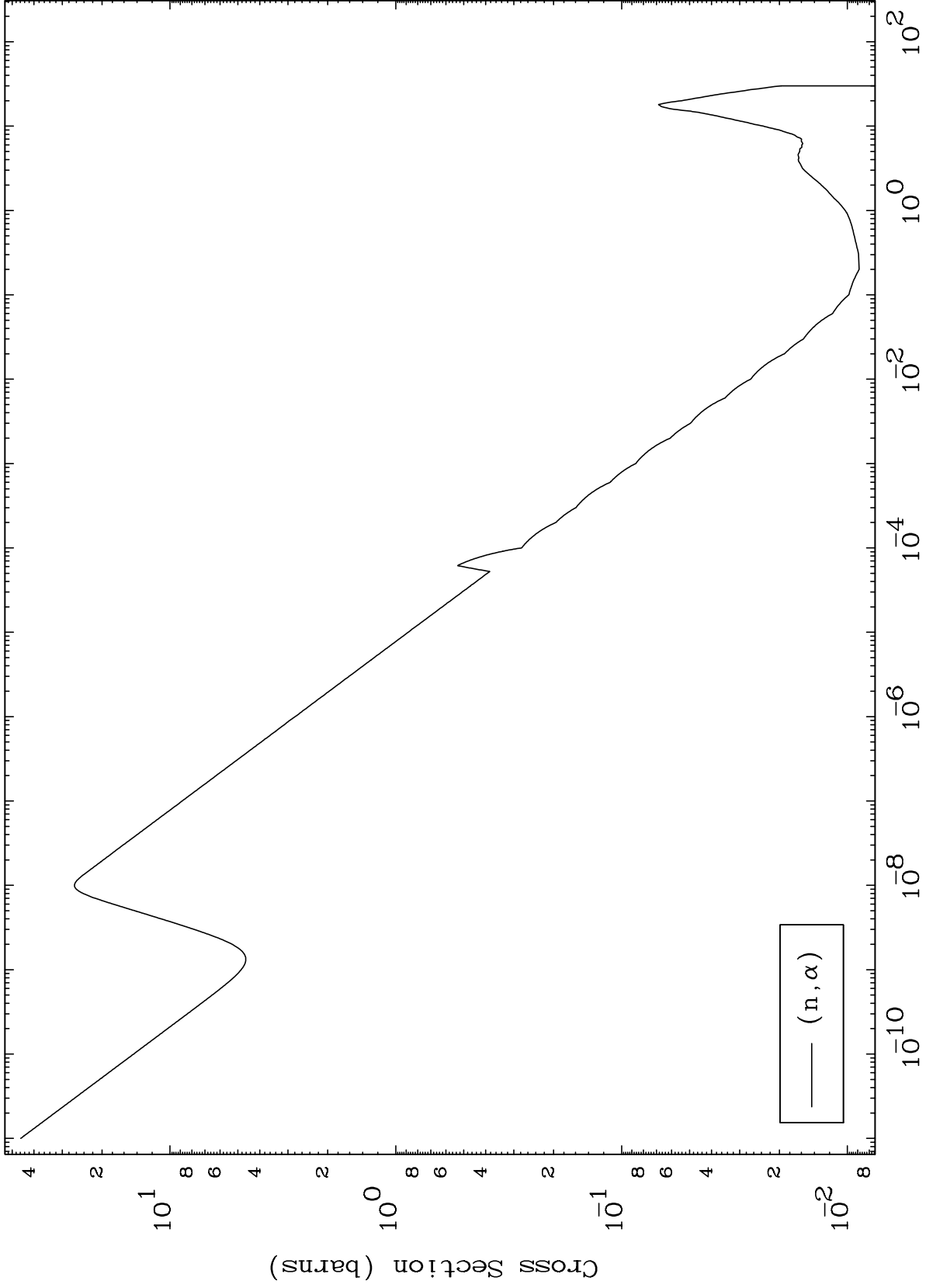
79-Au-184

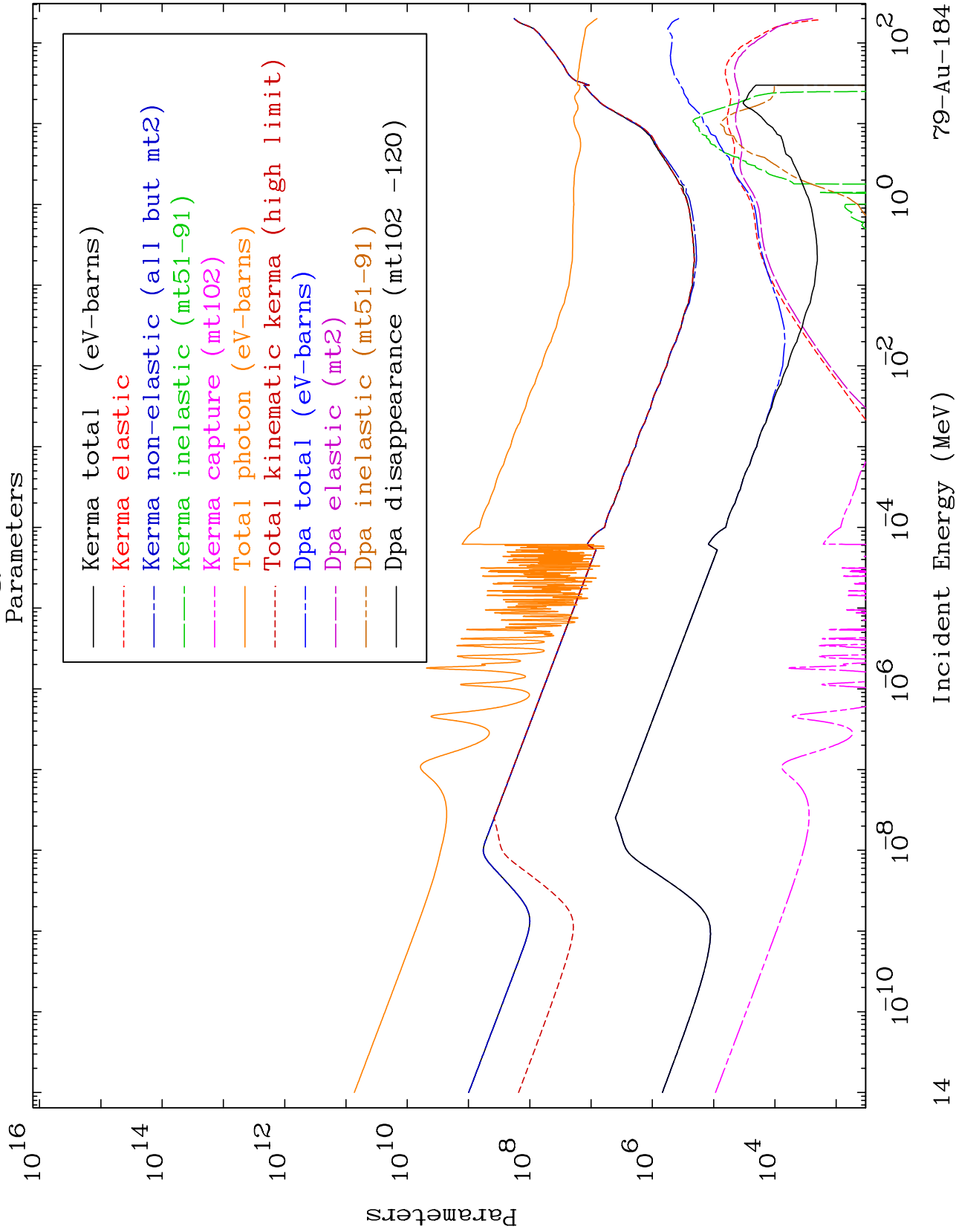


MAT 7886

(n, α) Levels
293 Kelvin Cross Sections

79-Au-184

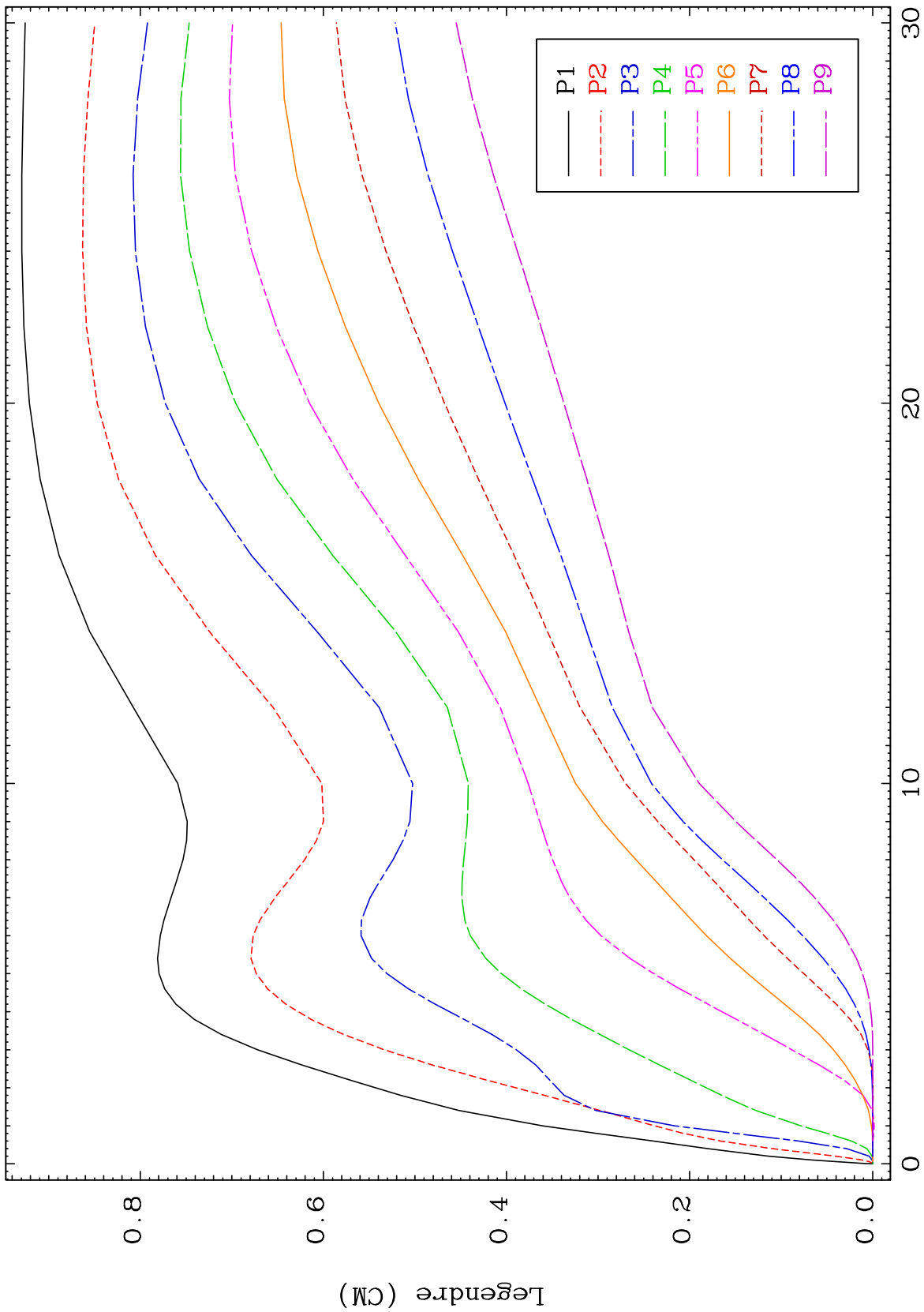




MAT 7886

79-Au-184

Elastic Legendre Coefficients



79-Au-184

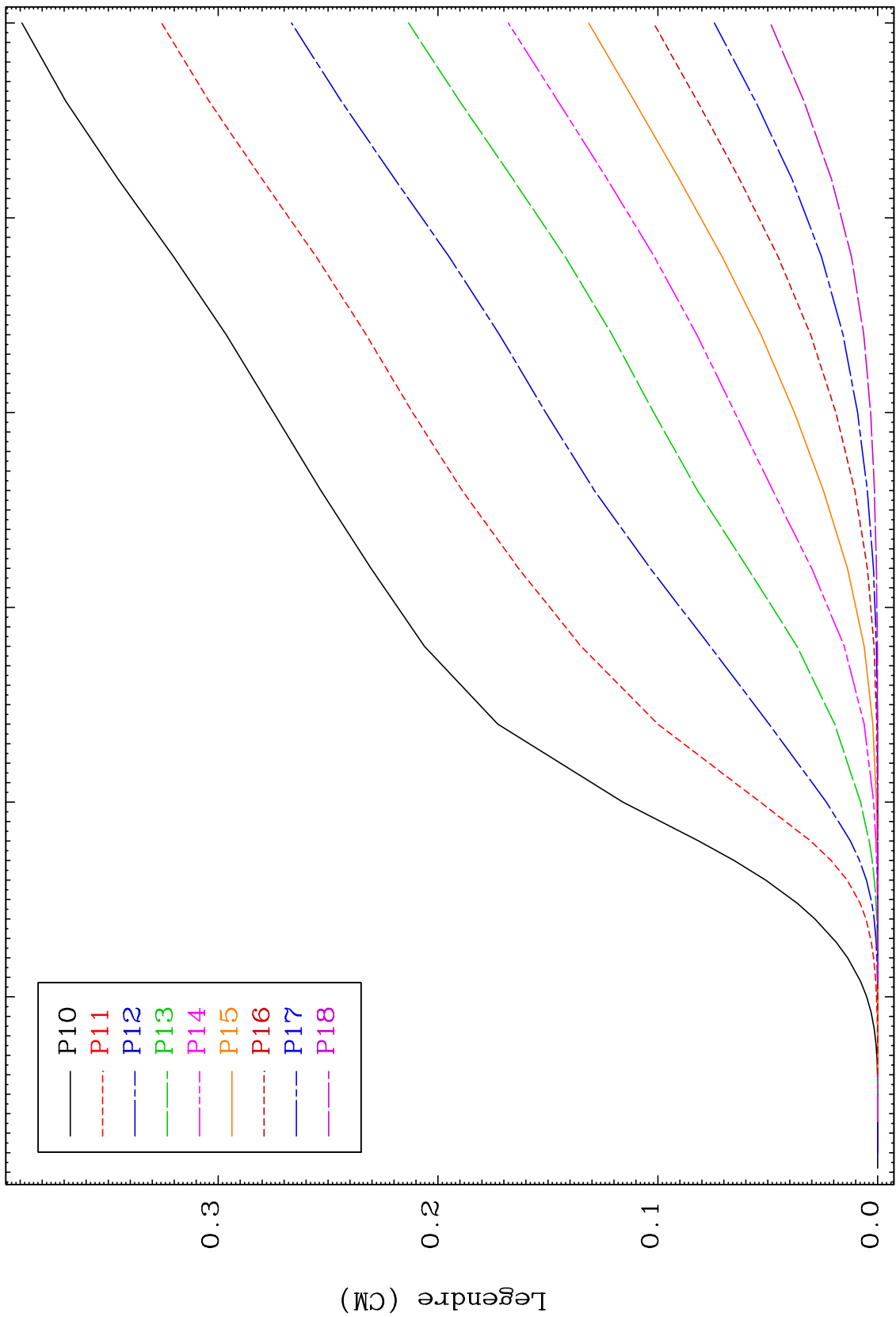
Incident Energy (MeV)

15

MAT 7886

Elastic Legendre Coefficients

⁷⁹Au-184



16

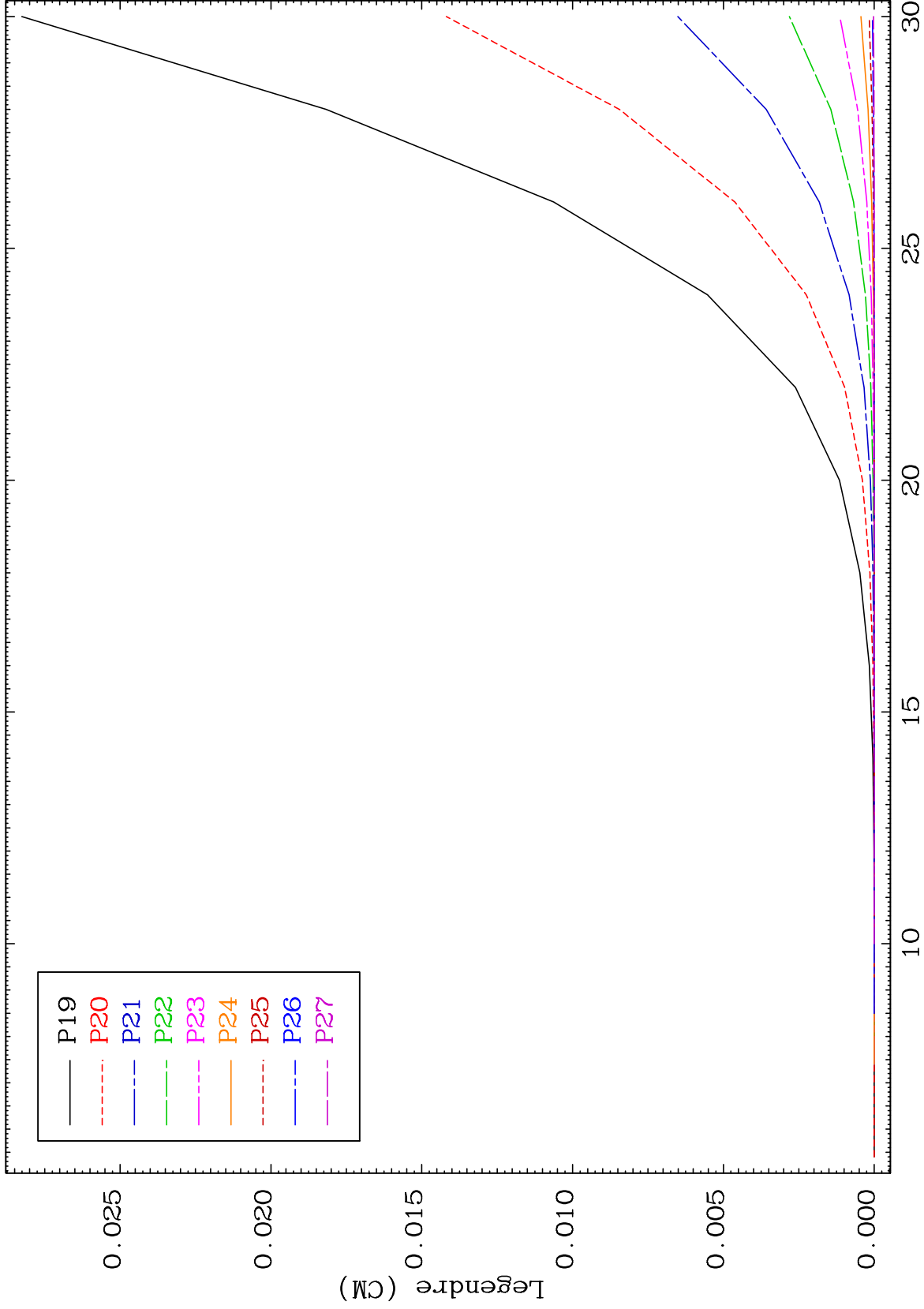
Incident Energy (MeV)

⁷⁹Au-184

MAT 7886

Elastic Legendre Coefficients

79-Au-184



17

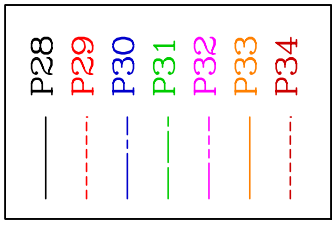
Incident Energy (MeV)

79-Au-184

MAT 7886

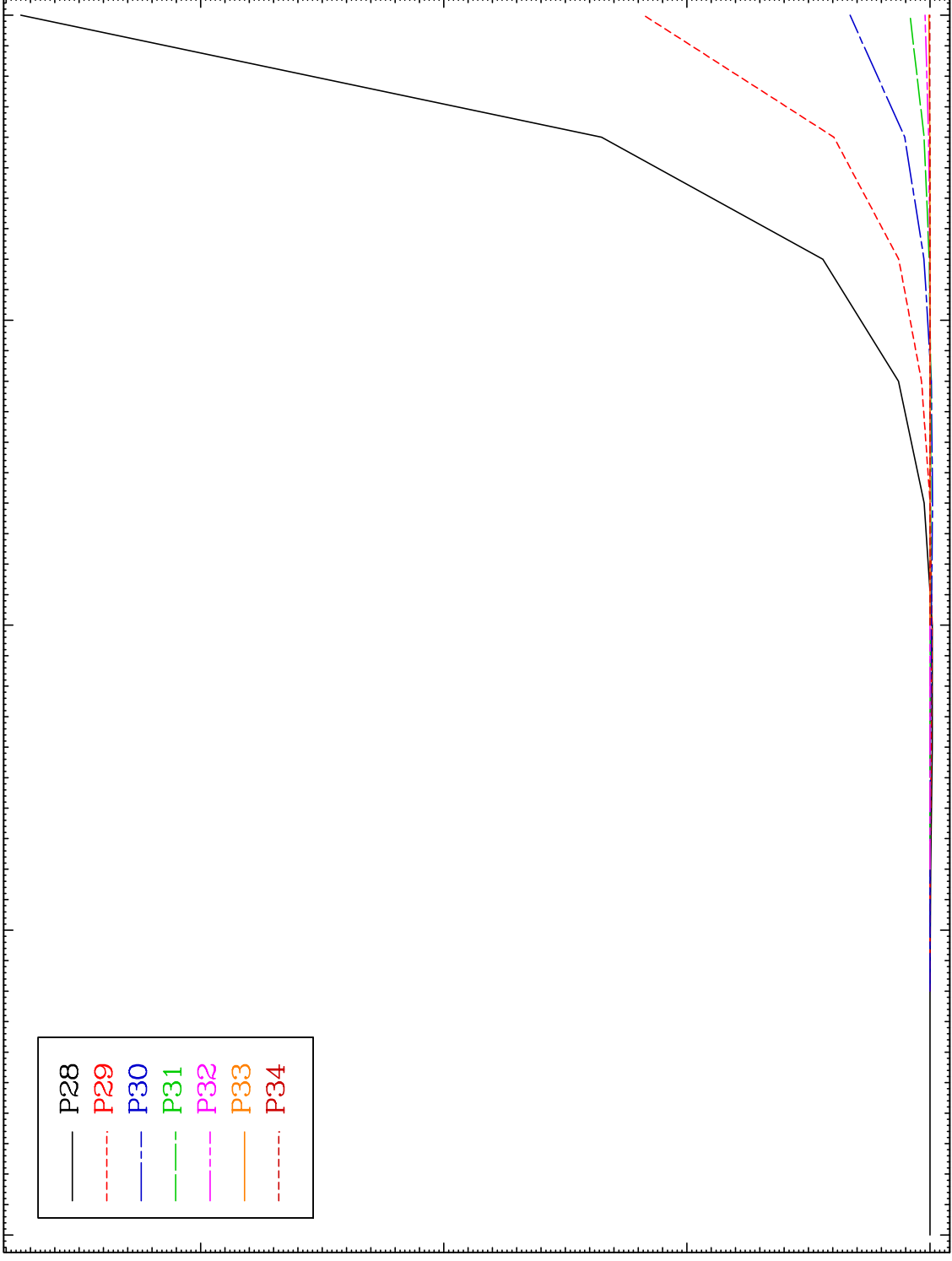
Elastic Legendre Coefficients

79-Au-184



$\times 10^{-6}$

Legendre (CM)



10 15 20 25 30

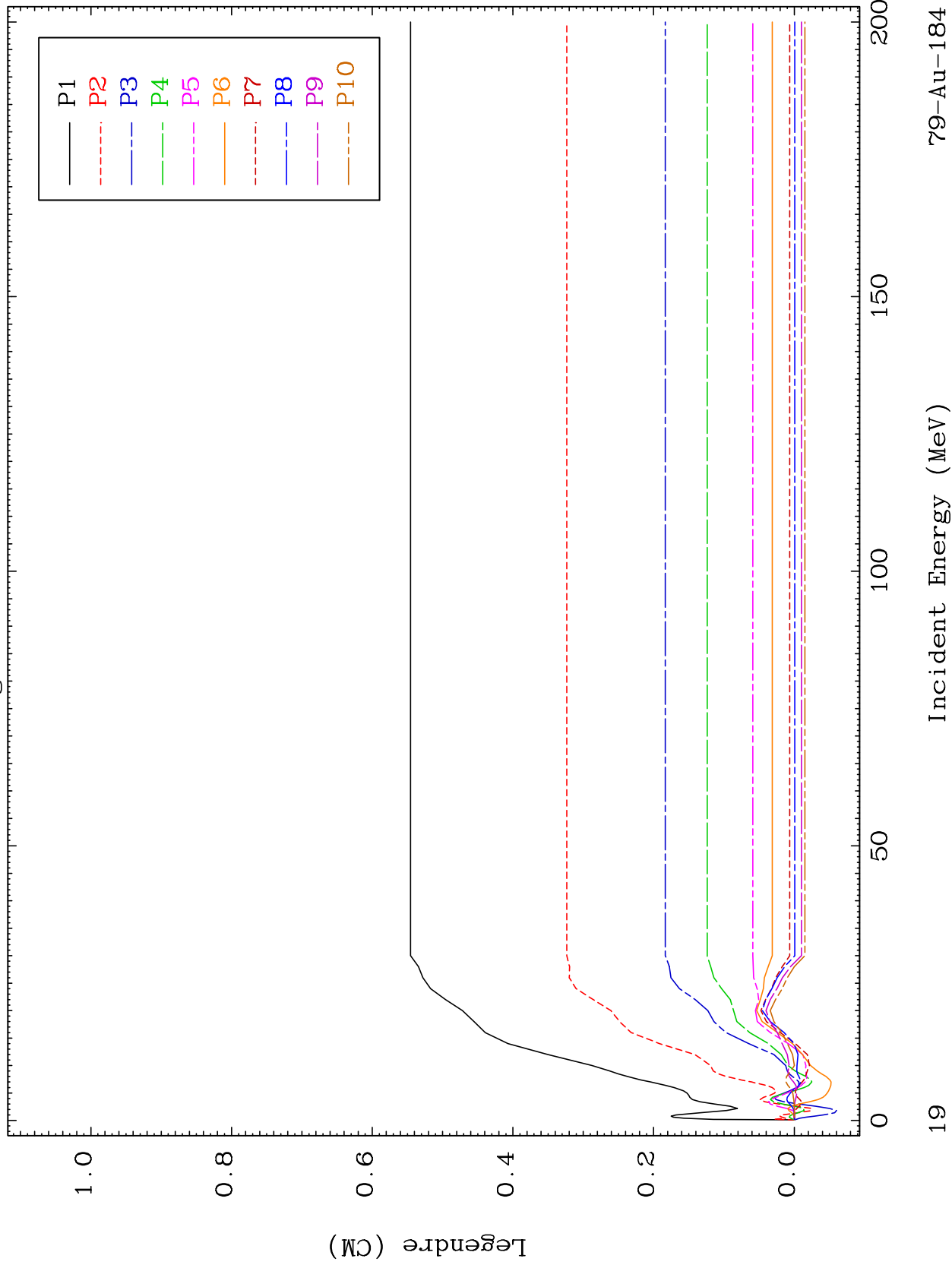
Incident Energy (MeV)

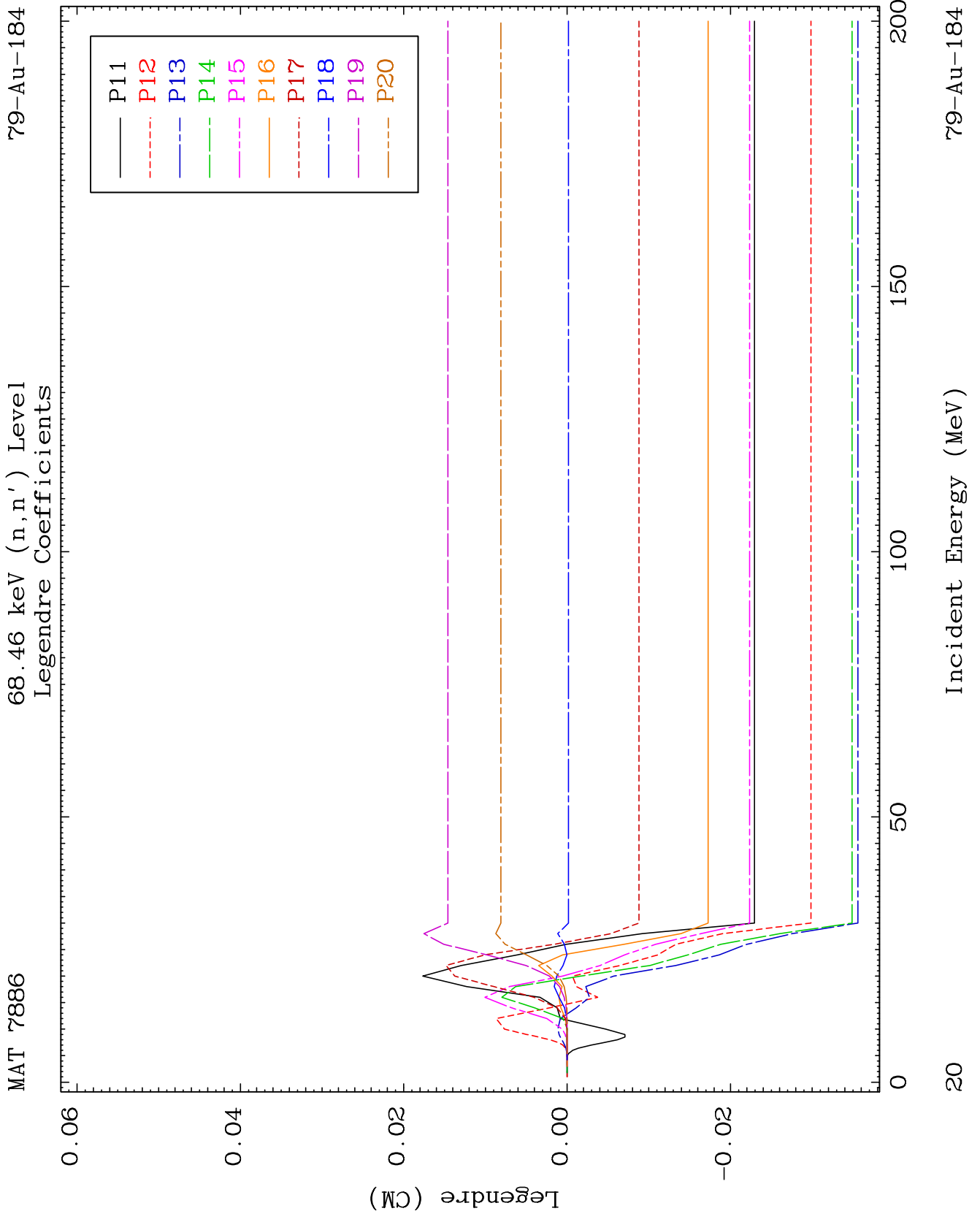
79-Au-184

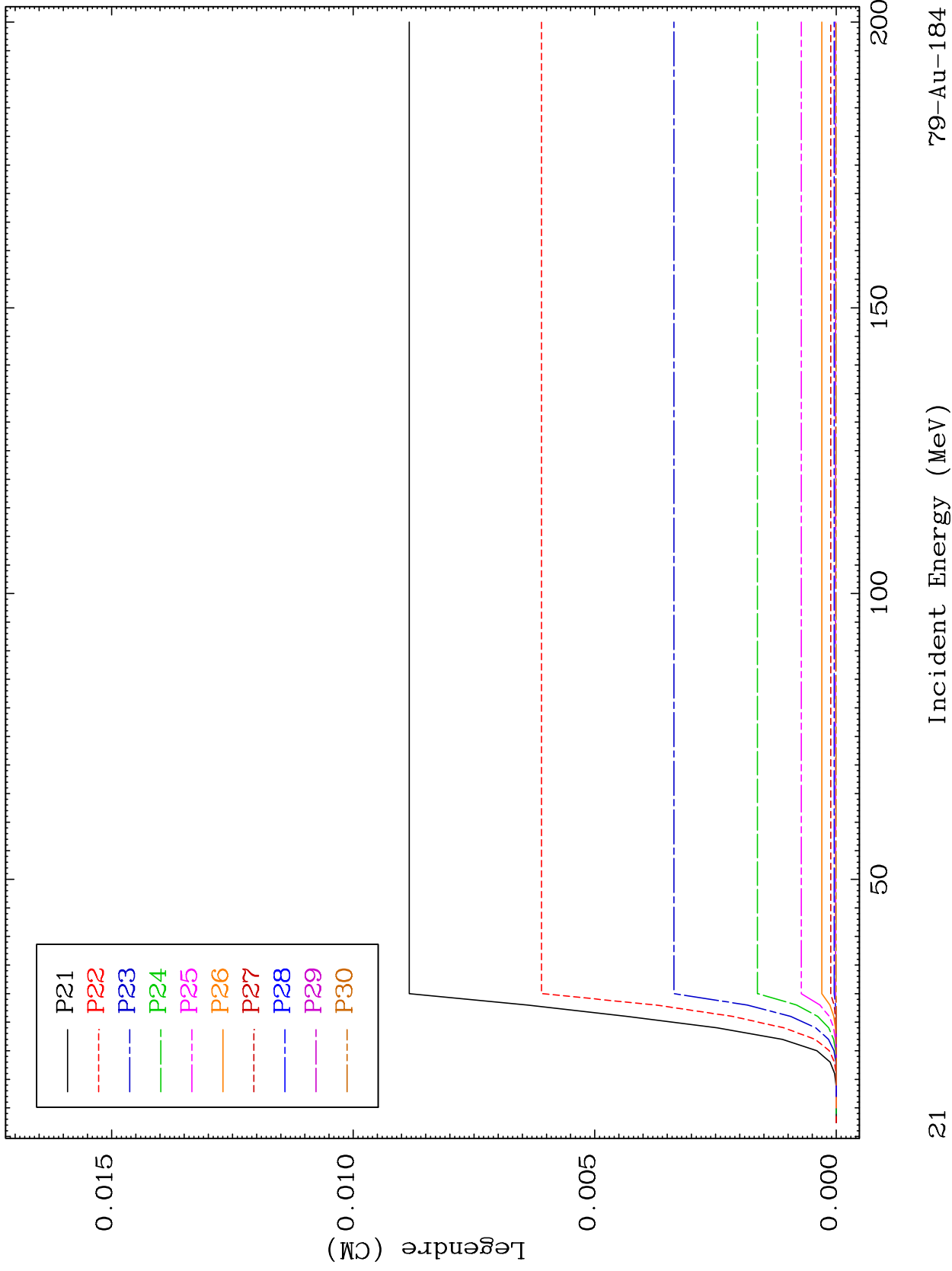
MAT 7886

68.46 keV (n,n') Level
Legendre Coefficients

79-Au-184



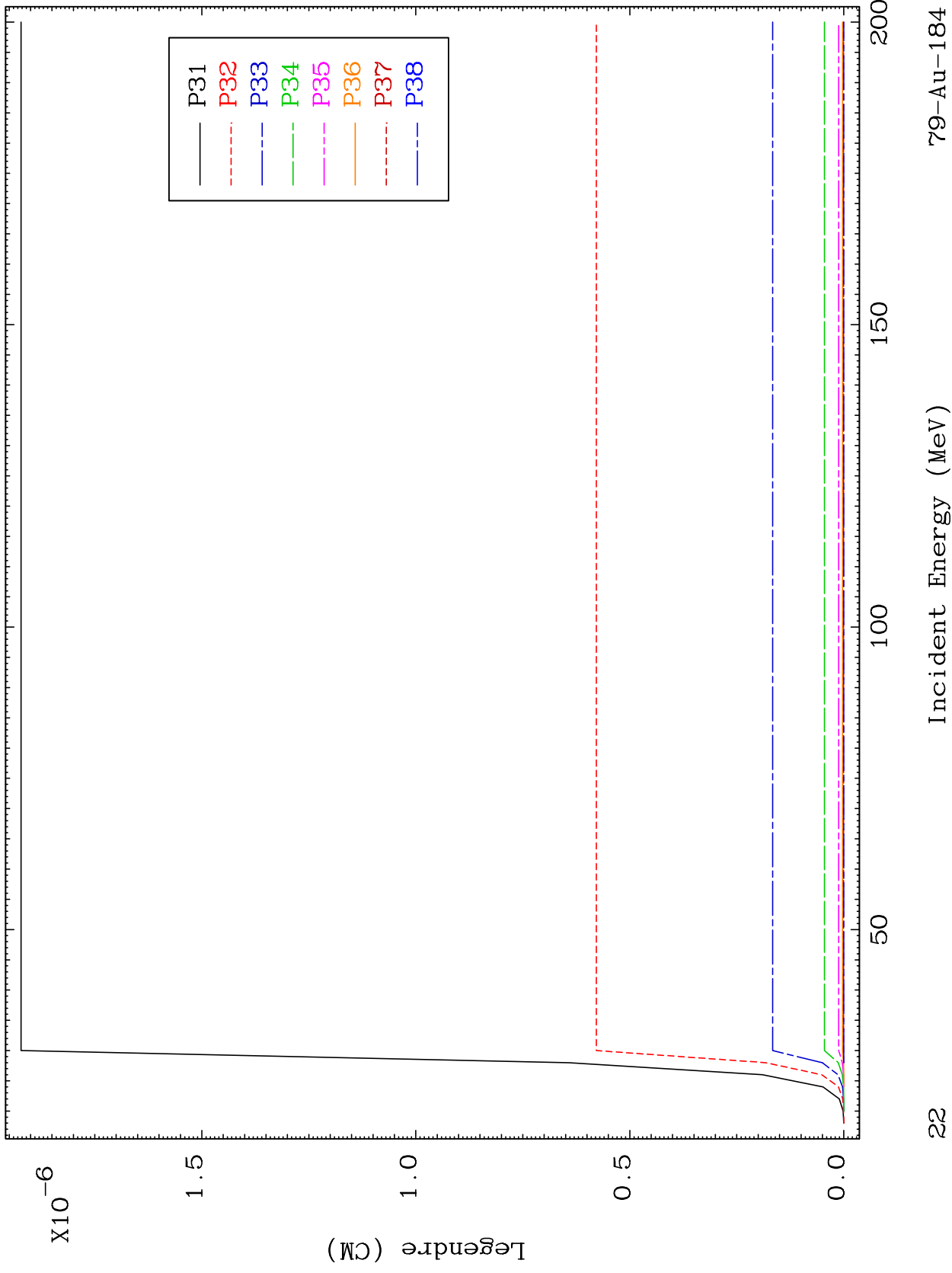




MAT 7886

68.46 keV (n,n') Level
Legendre Coefficients

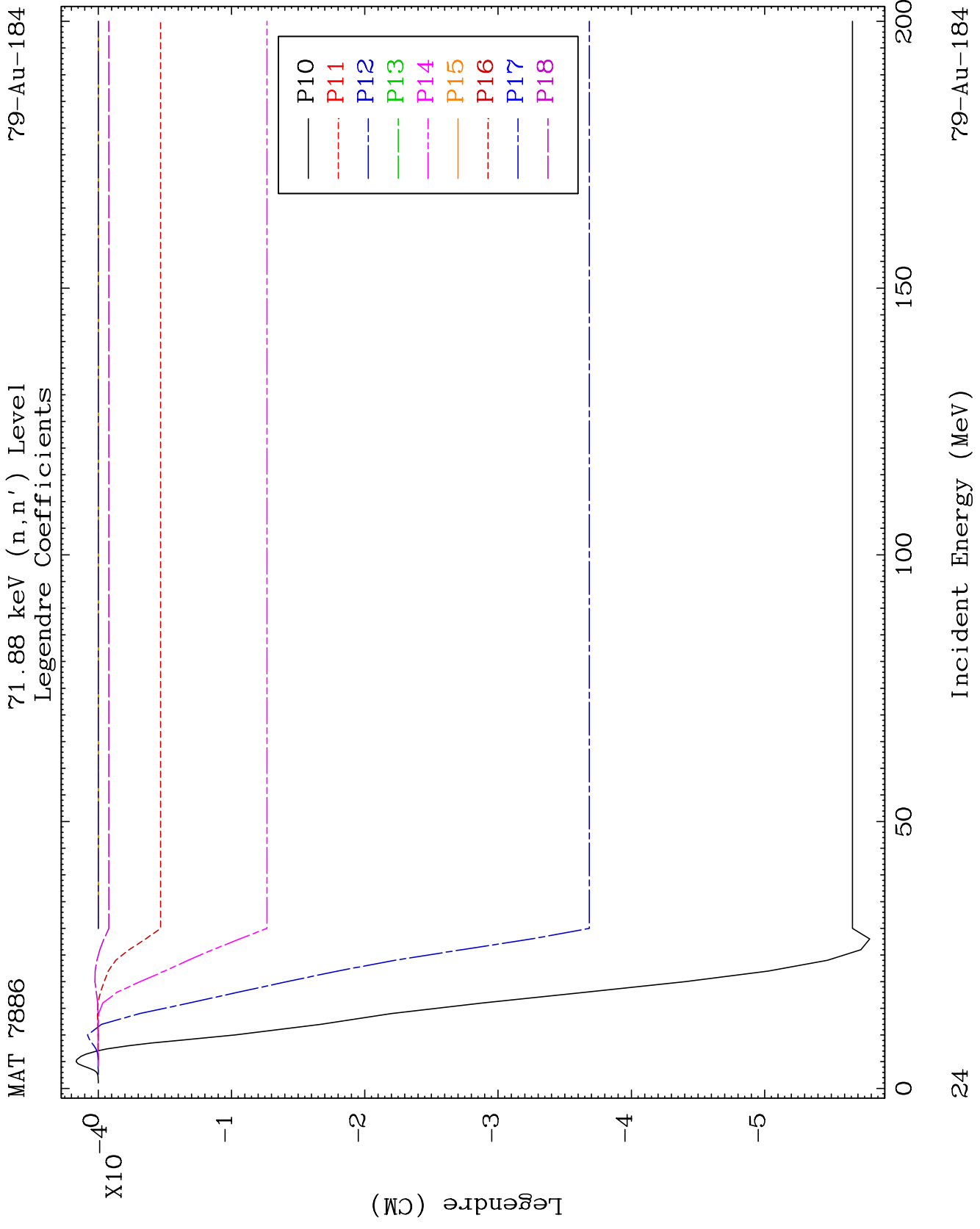
79-Au-184

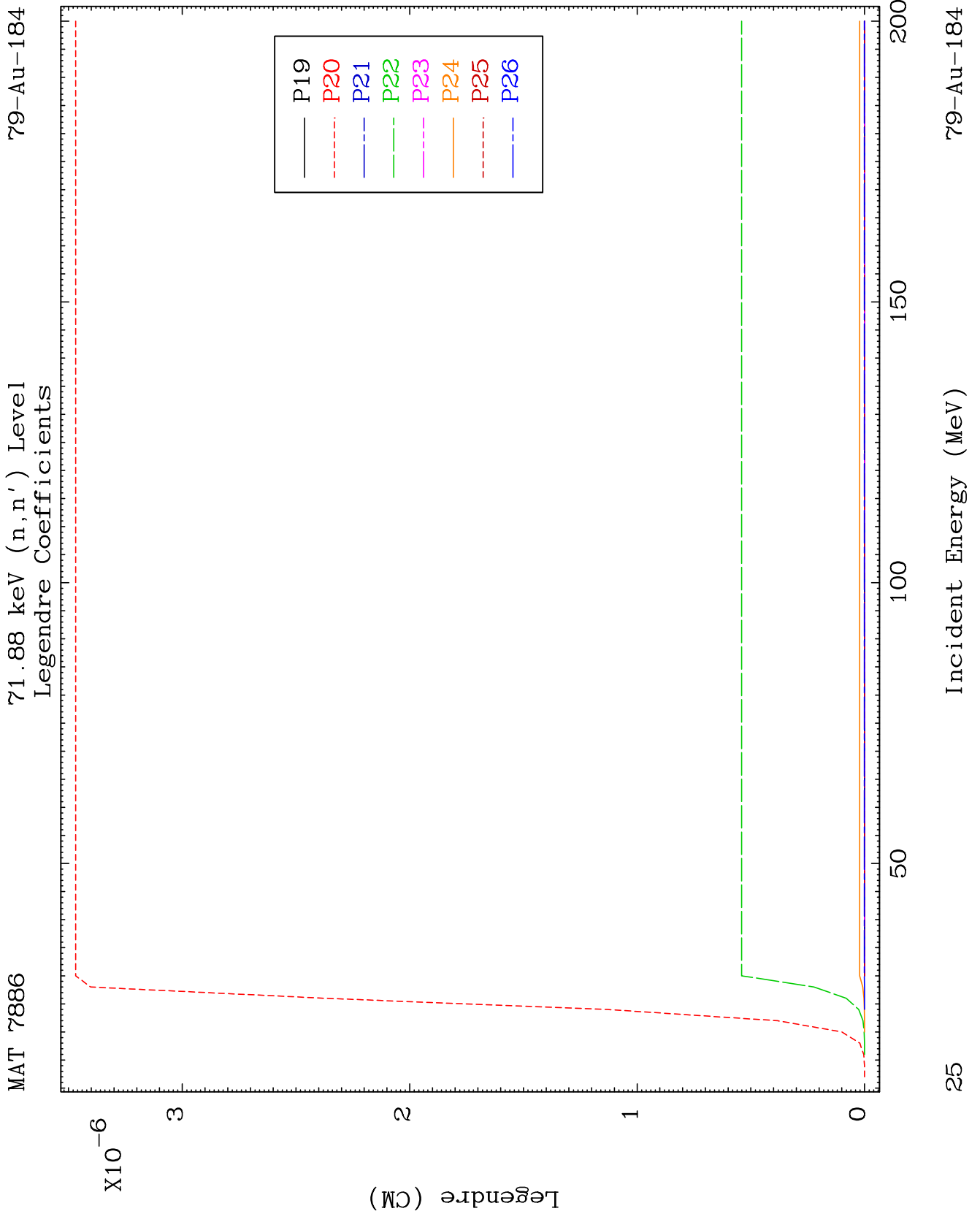


22

Incident Energy (MeV)

79-Au-184

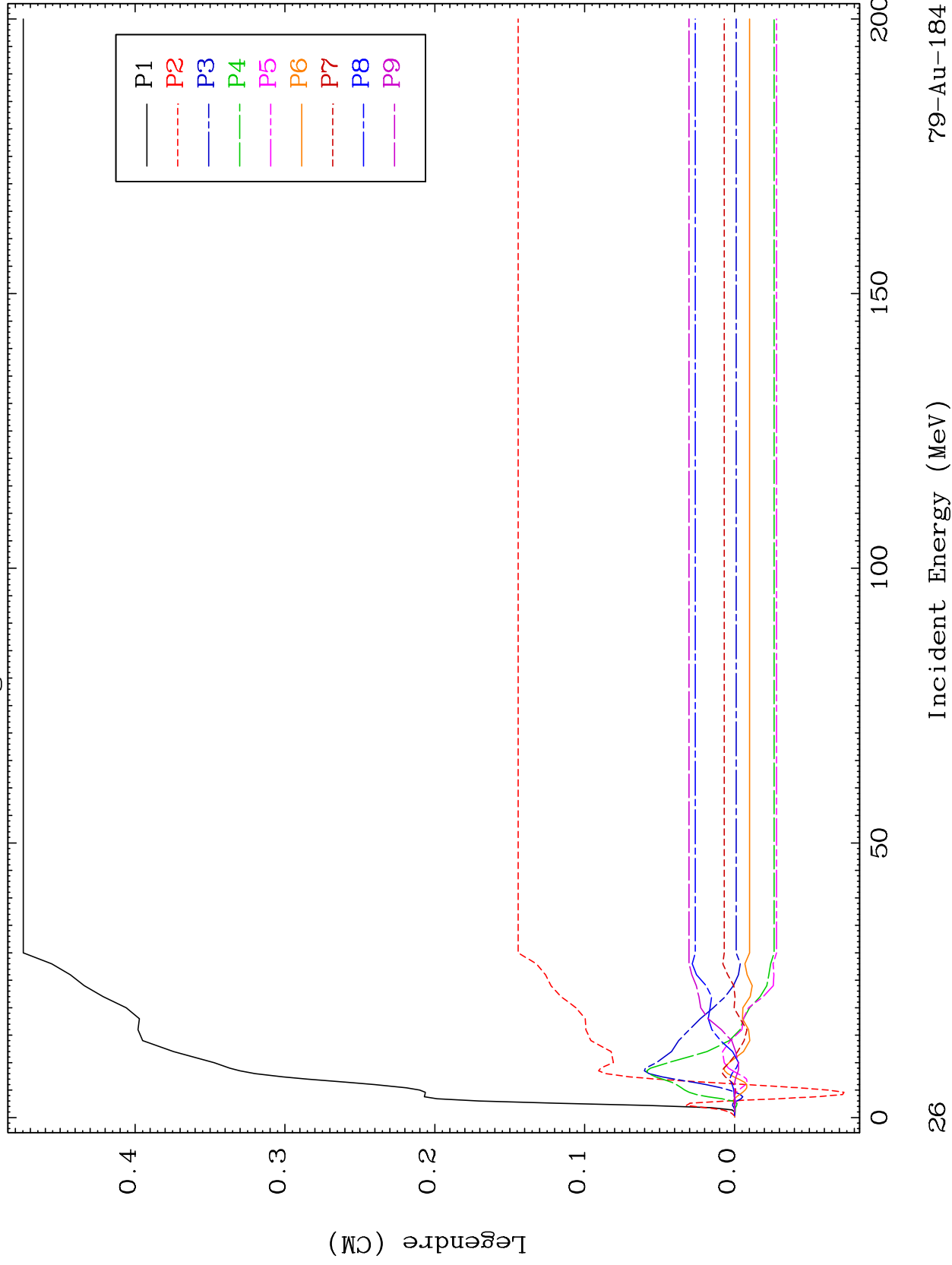




MAT 7886

83.50 keV (n,n') Level
Legendre Coefficients

79-Au-184



79-Au-184

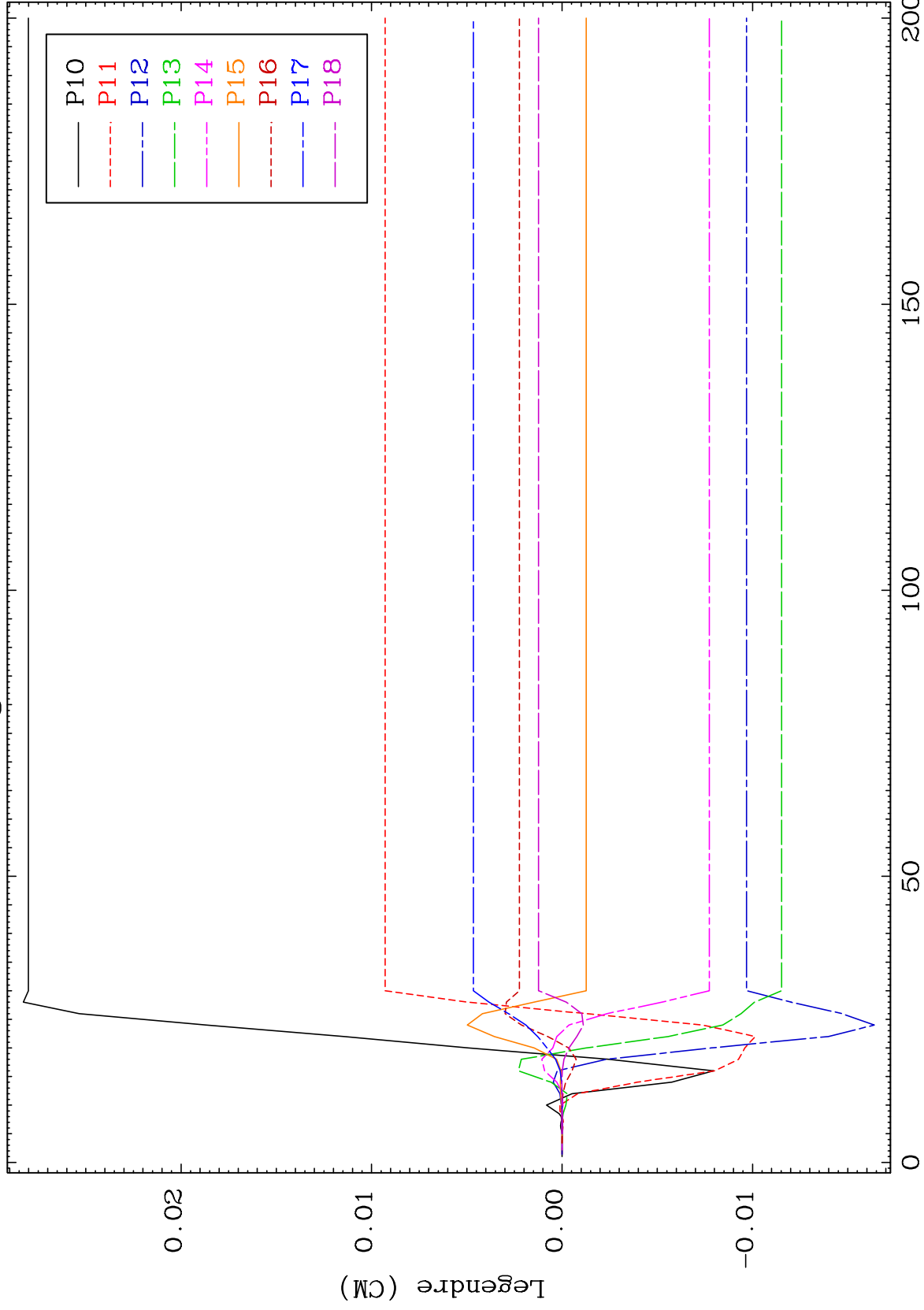
Incident Energy (MeV)

26

MAT 7886

83.50 keV (n,n') Level
Legendre Coefficients

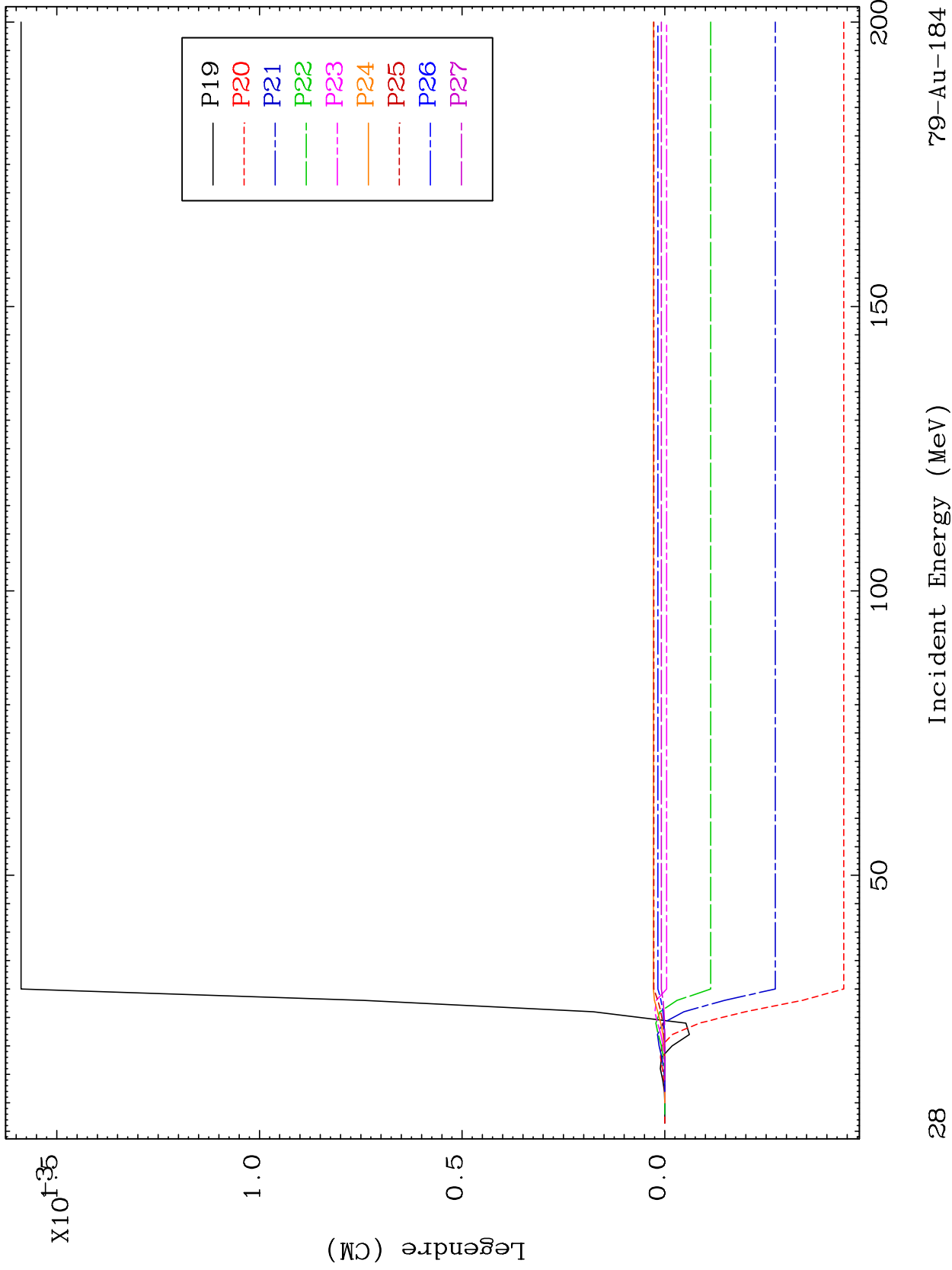
79-Au-184



27

Incident Energy (MeV)

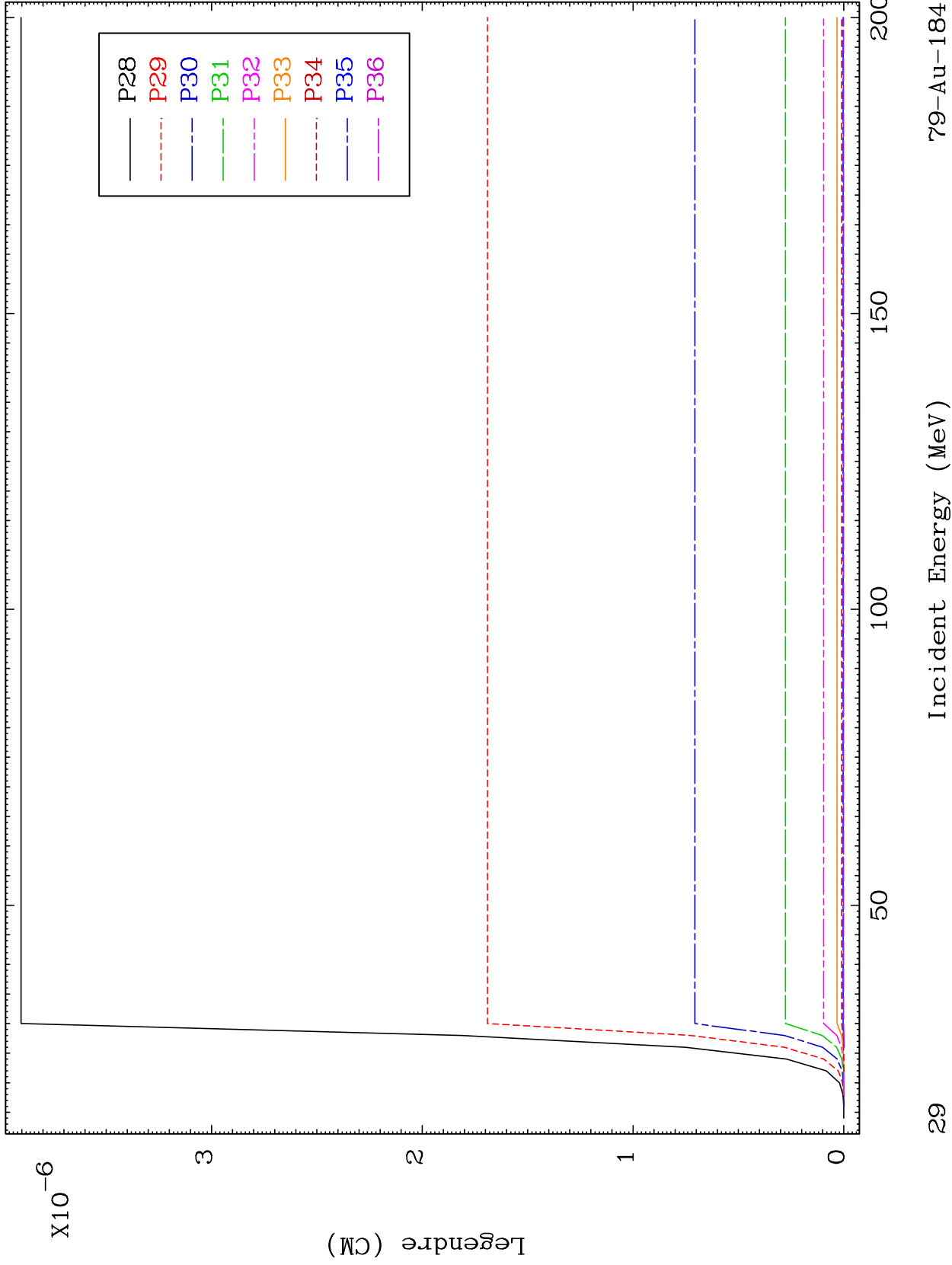
79-Au-184



MAT 7886

83.50 keV (n,n') Level
Legendre Coefficients

79-Au-184



29

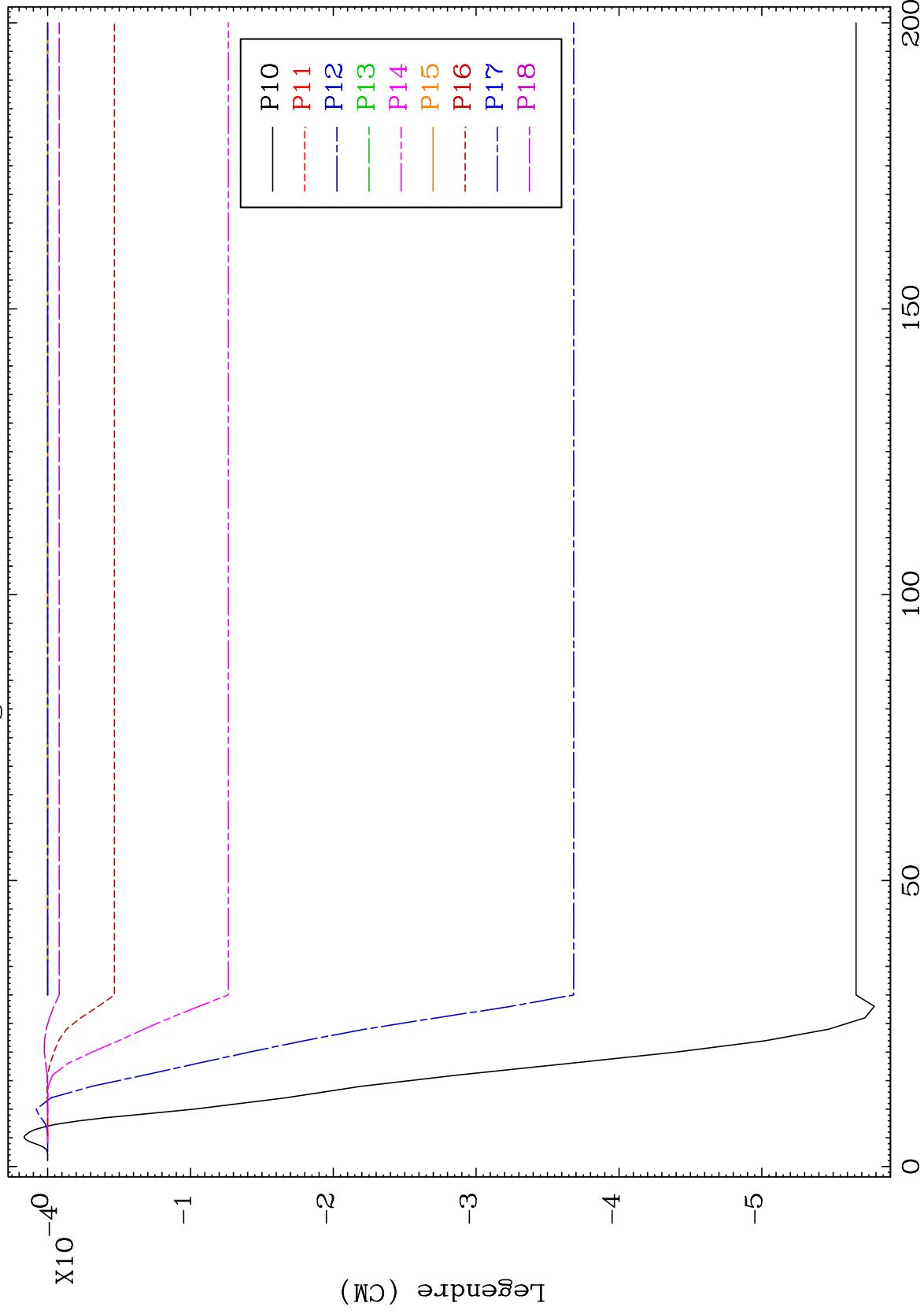
Incident Energy (MeV)

79-Au-184

MAT 7886

86.51 keV (n,n') Level
Legendre Coefficients

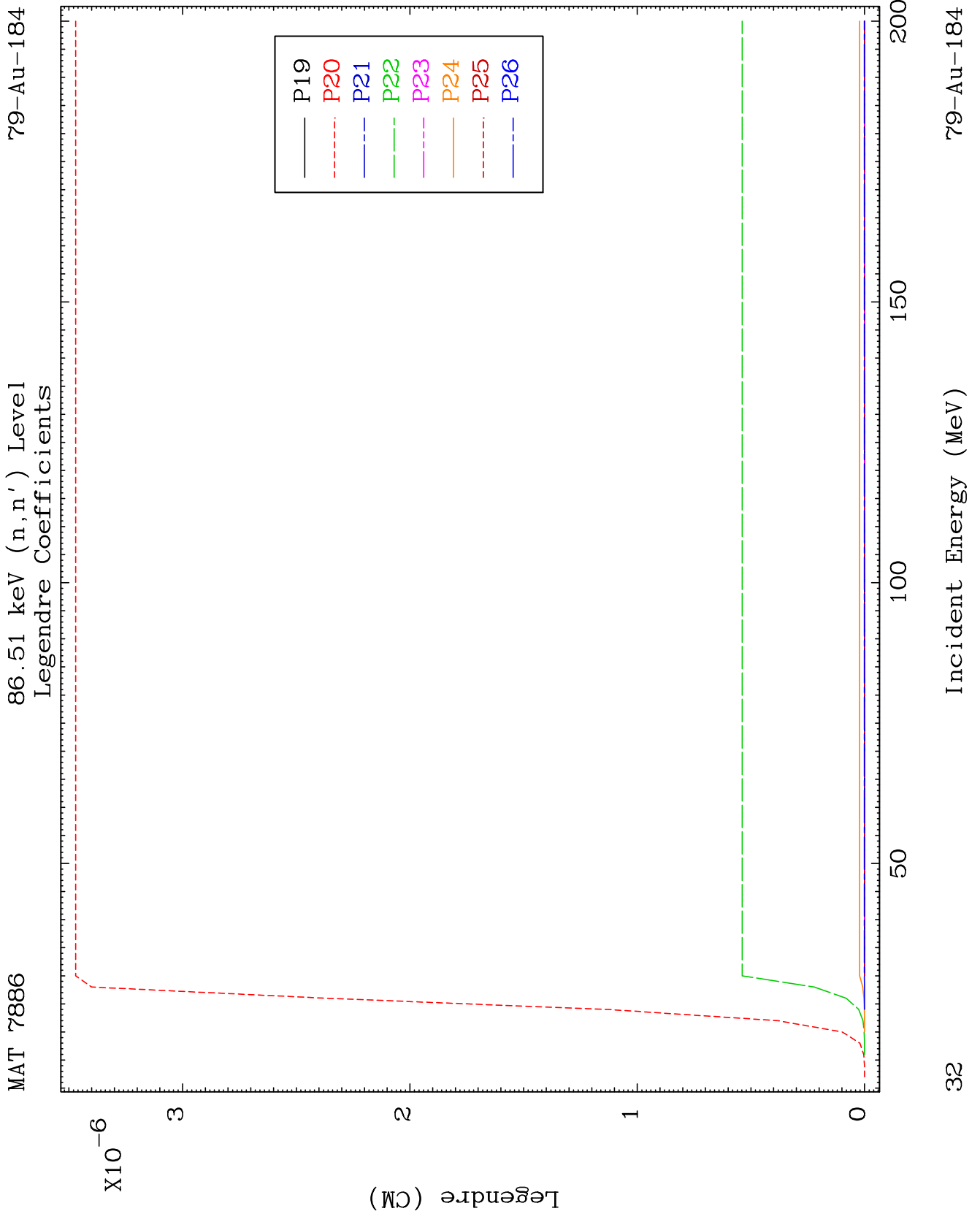
79-Au-184

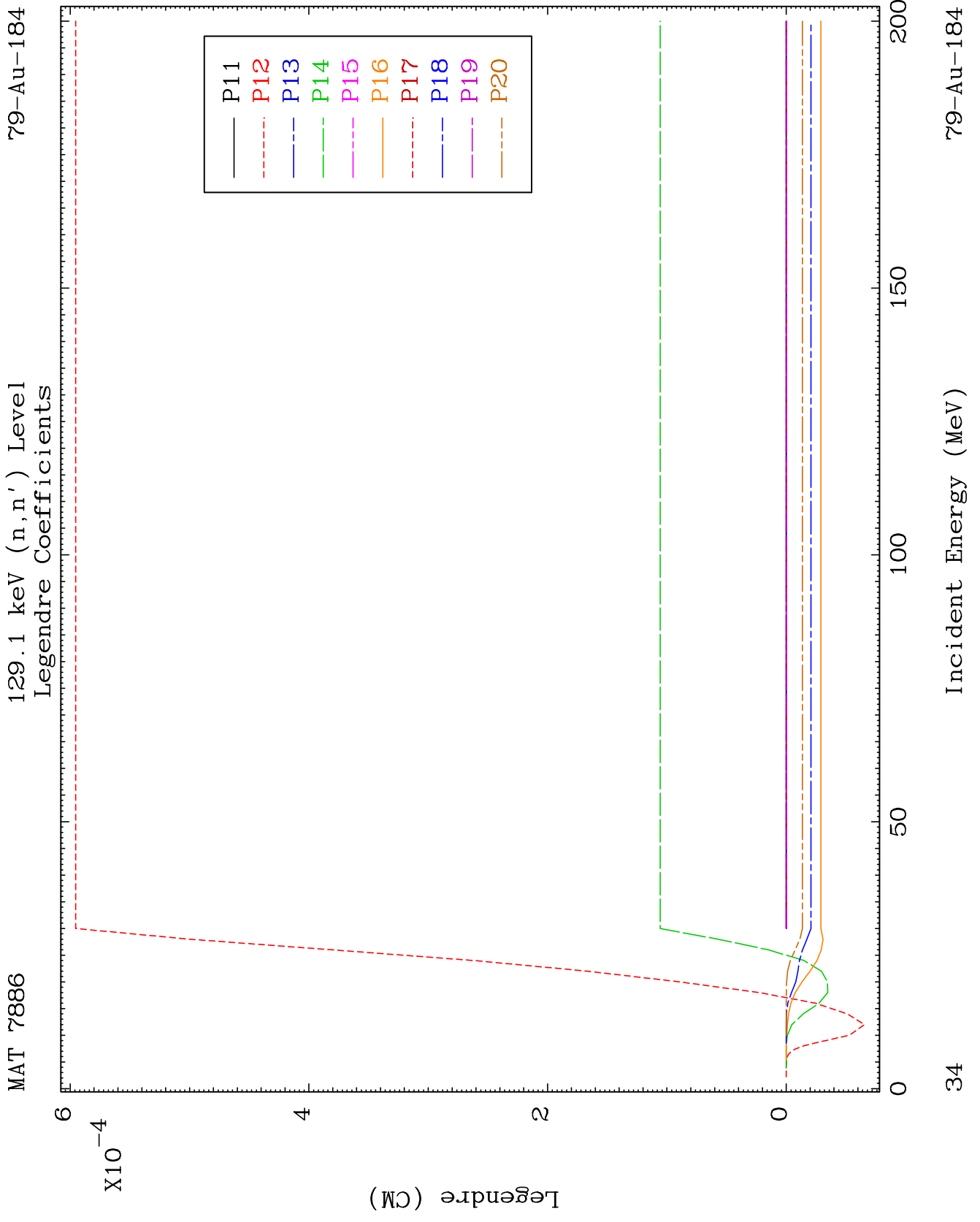


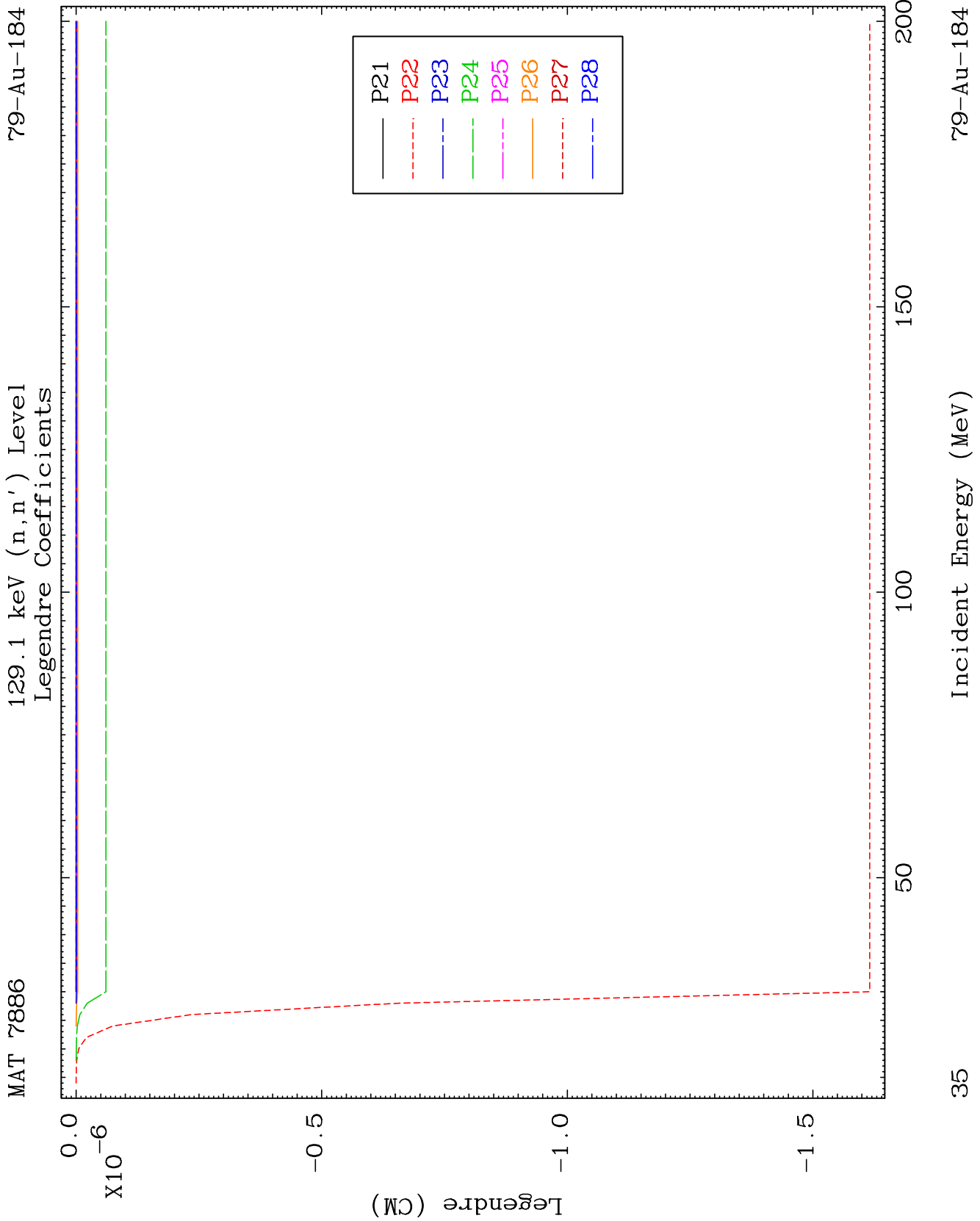
31

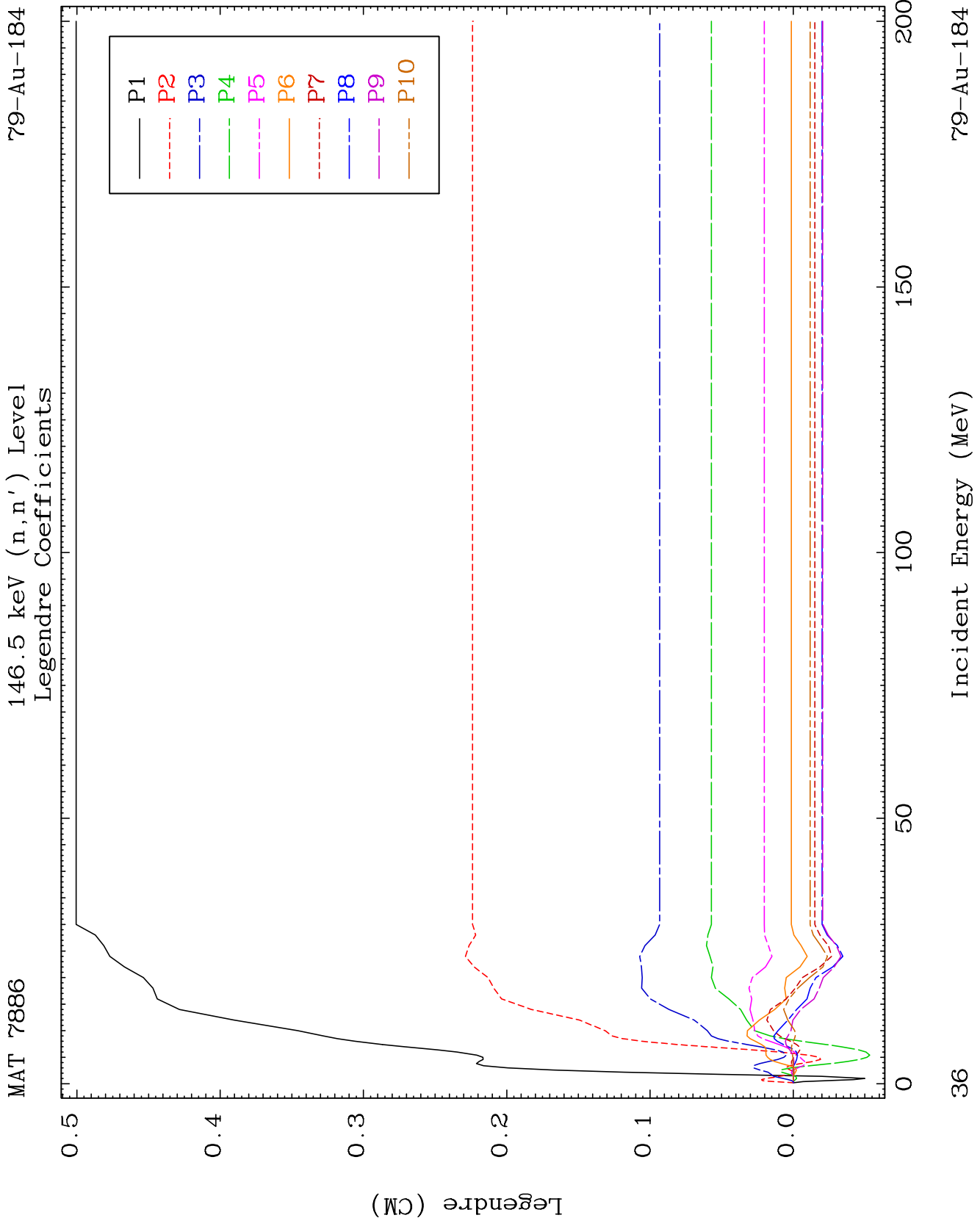
Incident Energy (MeV)

79-Au-184





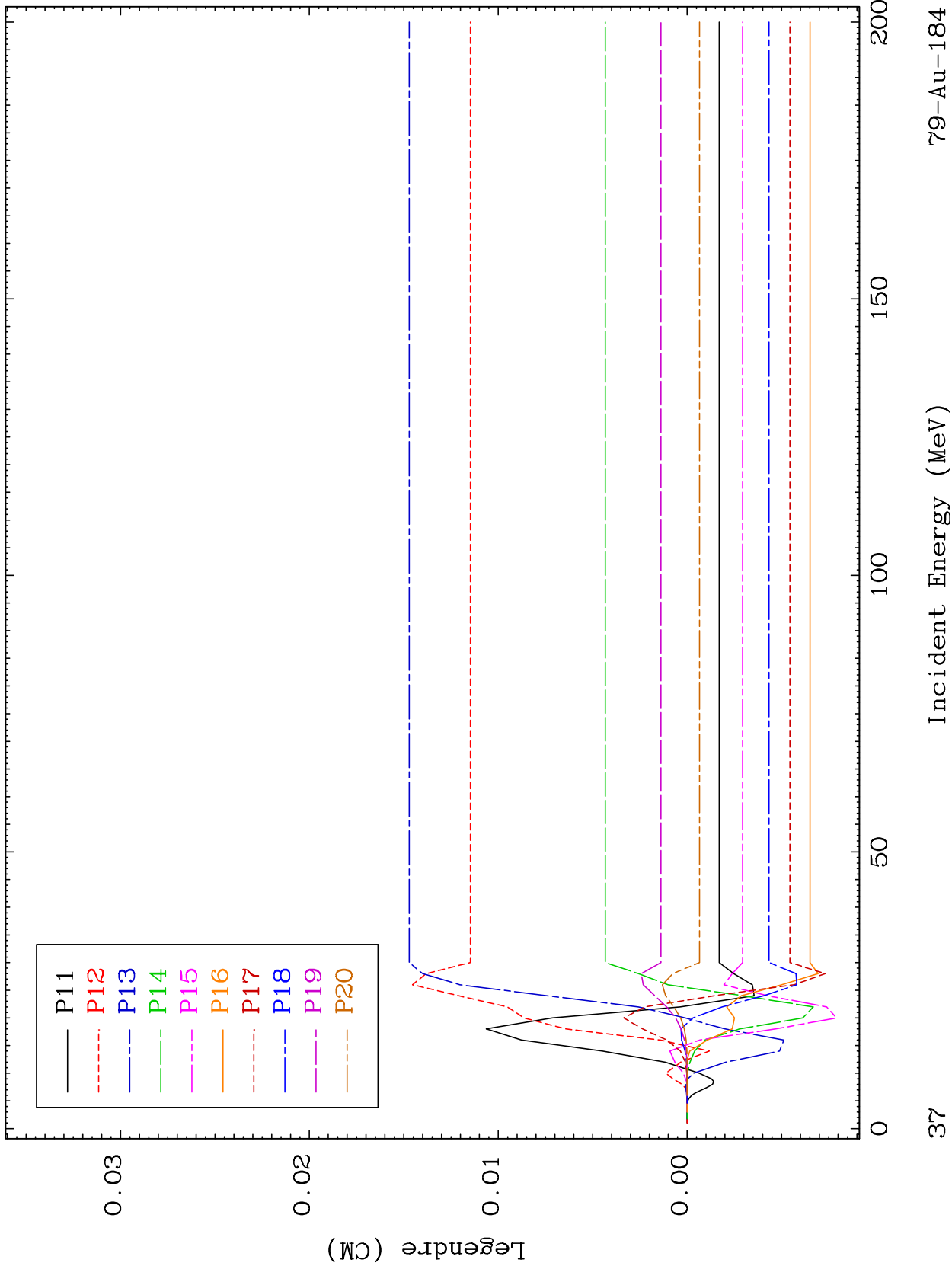




MAT 7886

146.5 keV (n,n') Level
Legendre Coefficients

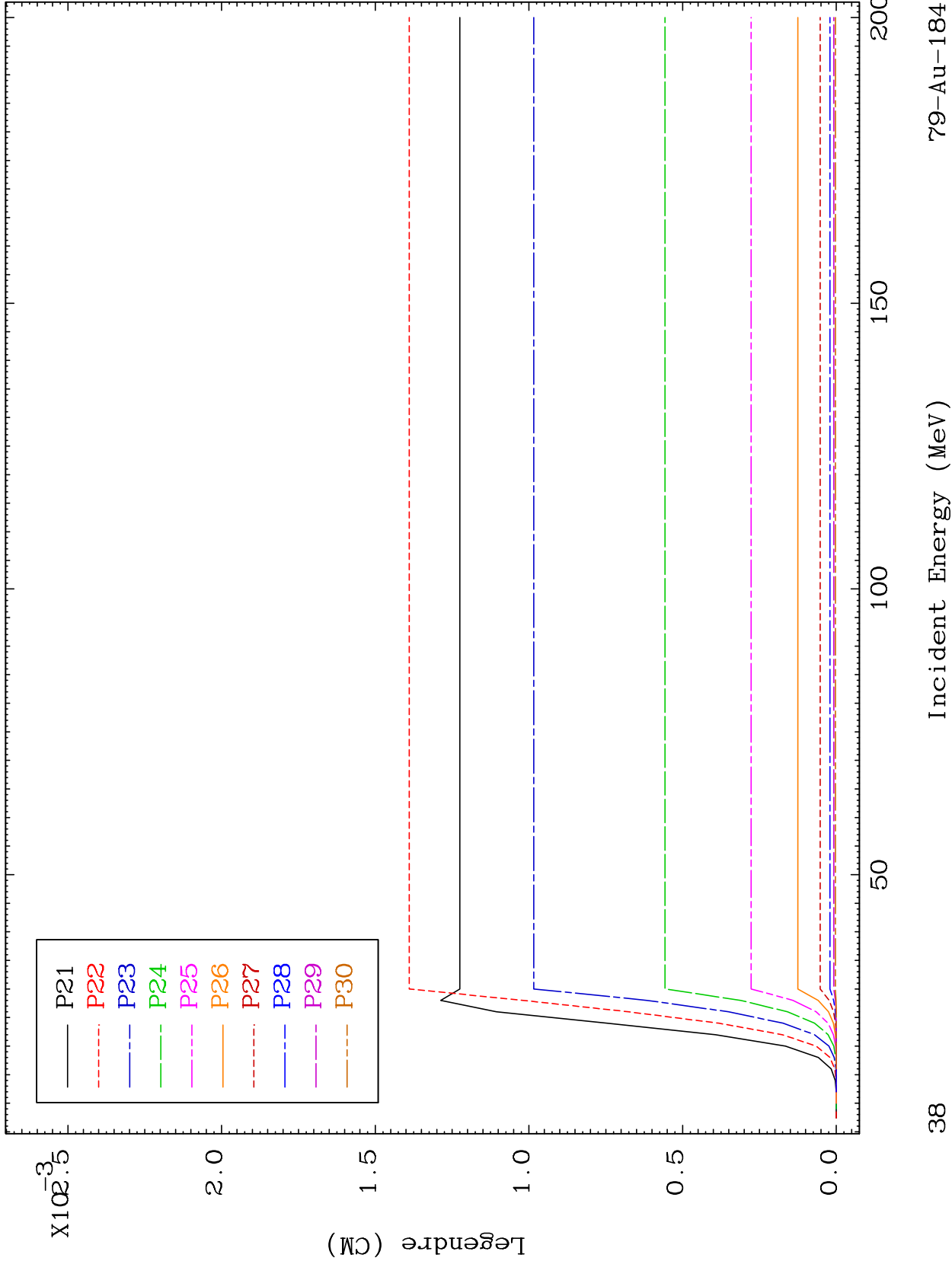
79-Au-184



37

Incident Energy (MeV)

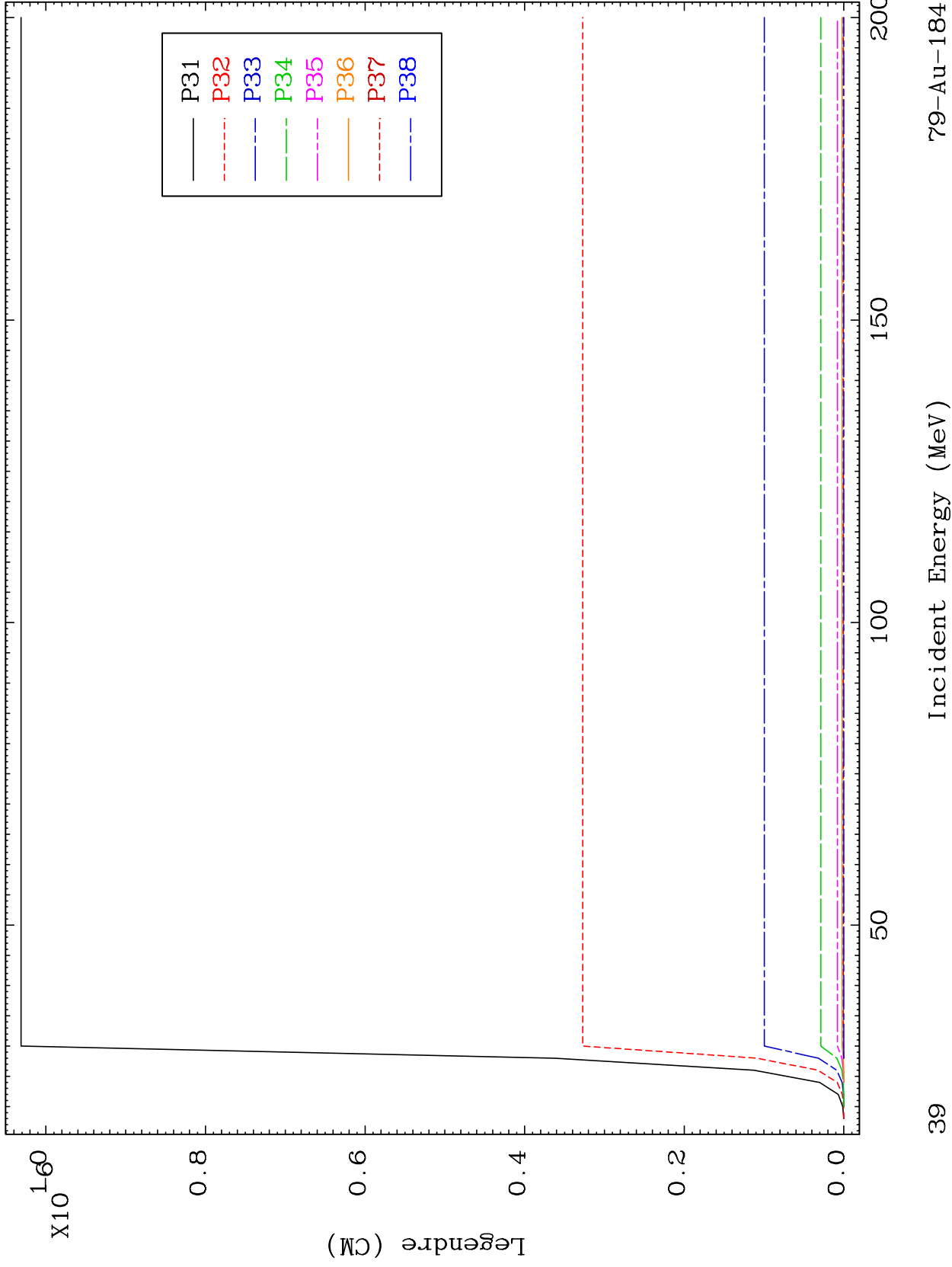
79-Au-184



MAT 7886

146.5 keV (n, n') Level
Legendre Coefficients

79-Au-184



39

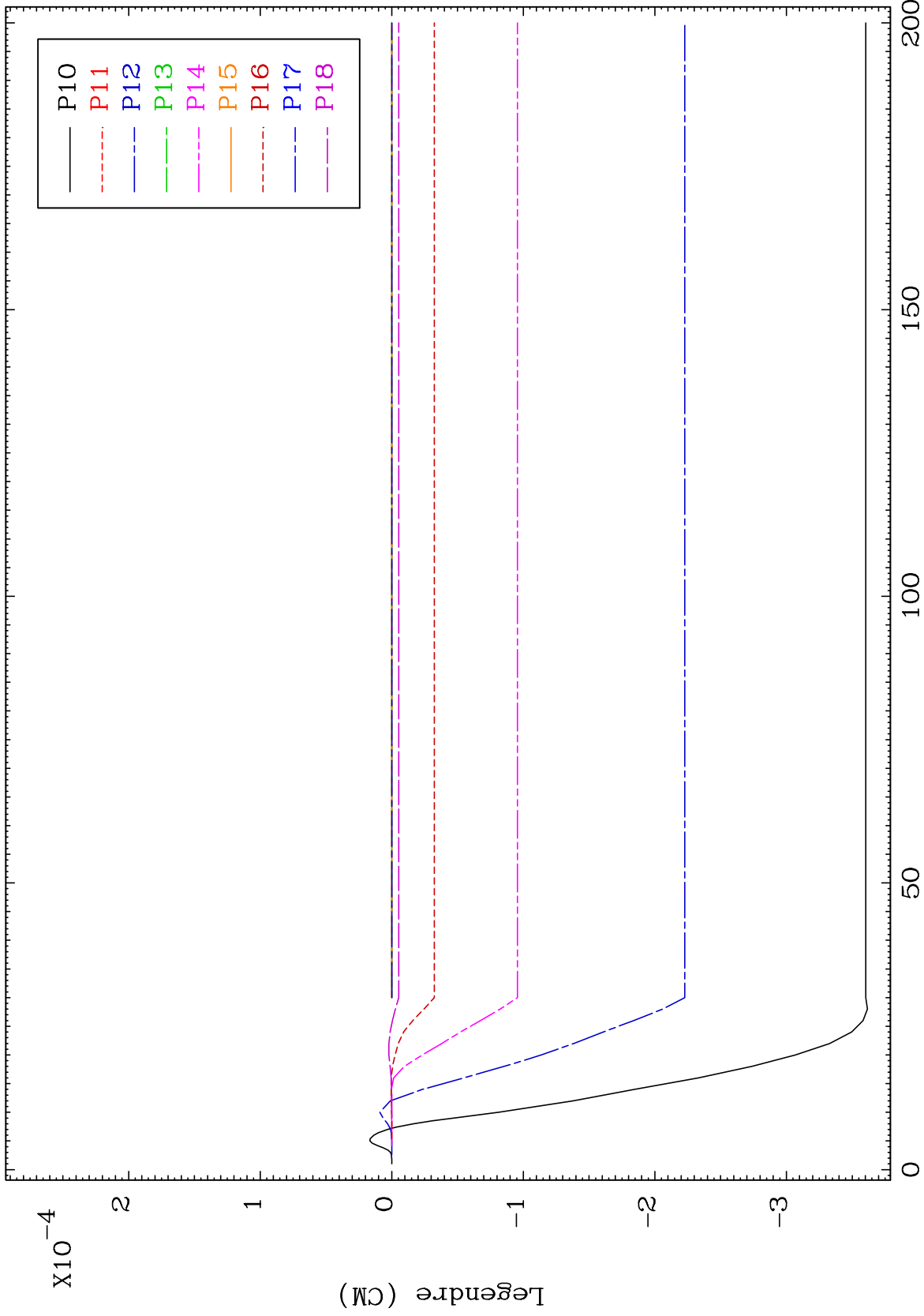
Incident Energy (MeV)

79-Au-184

MAT 7886

186.9 keV (n,n') Level
Legendre Coefficients

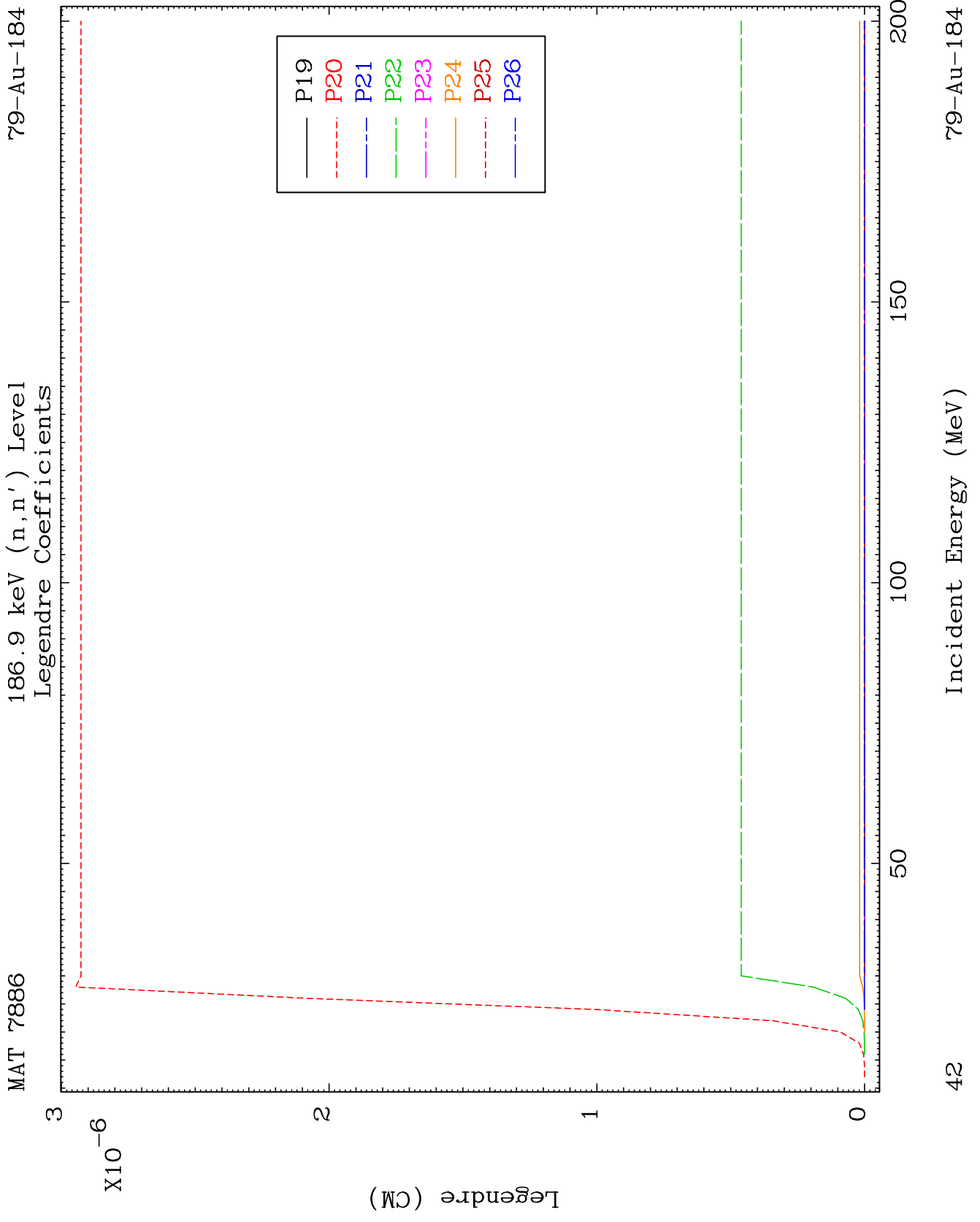
79-Au-184

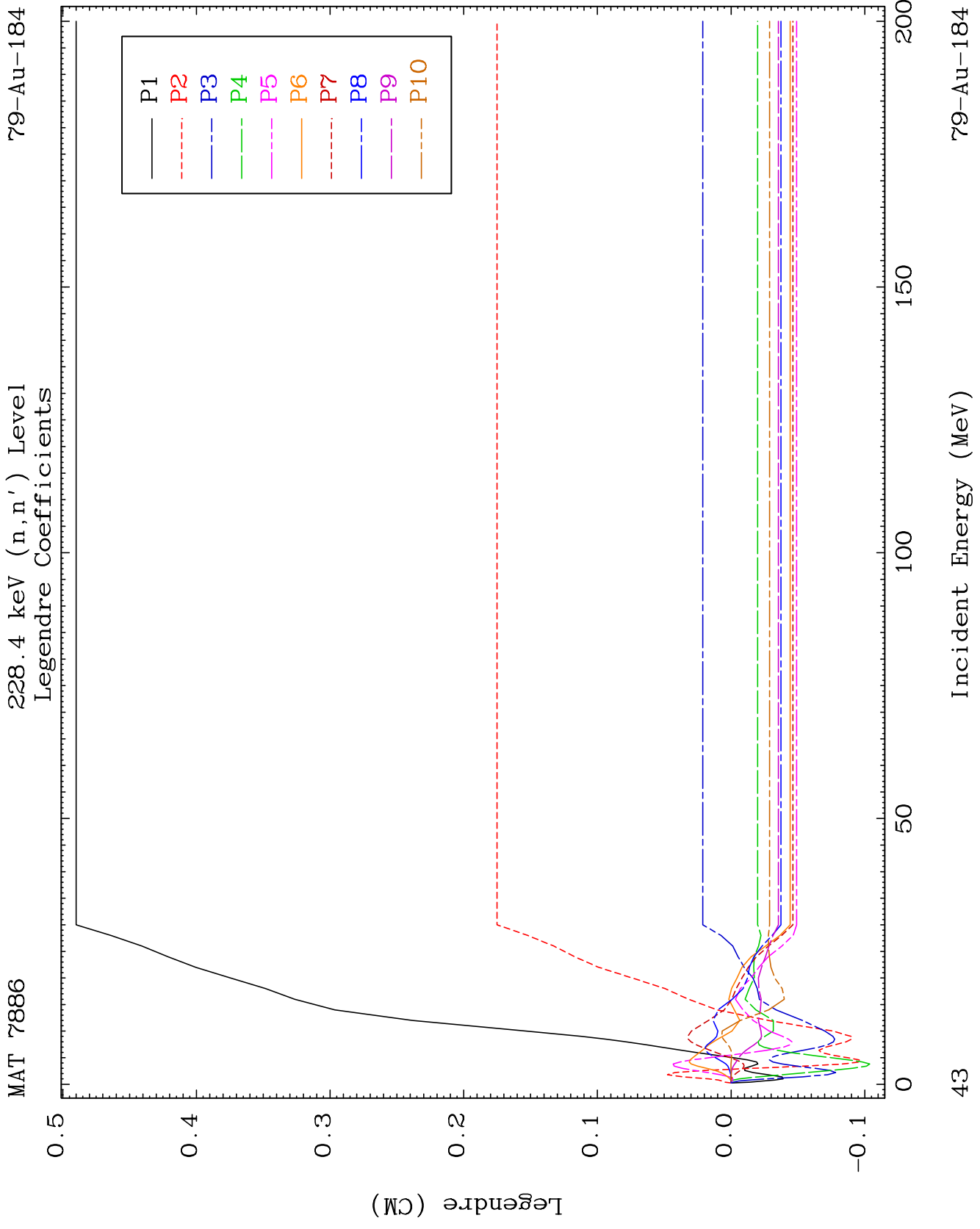


41

Incident Energy (MeV)

79-Au-184

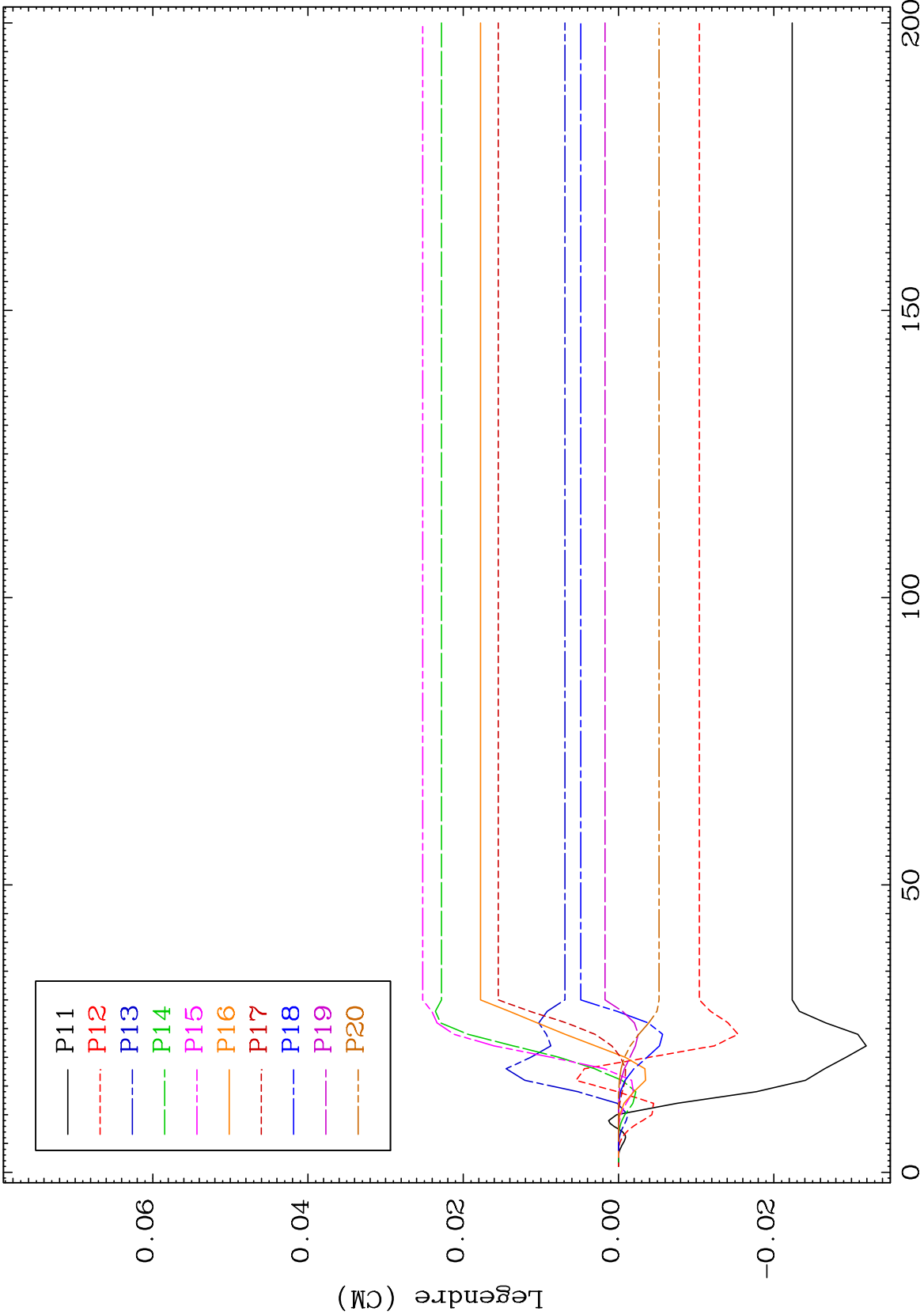




MAT 7886

228.4 keV (n,n') Level
Legendre Coefficients

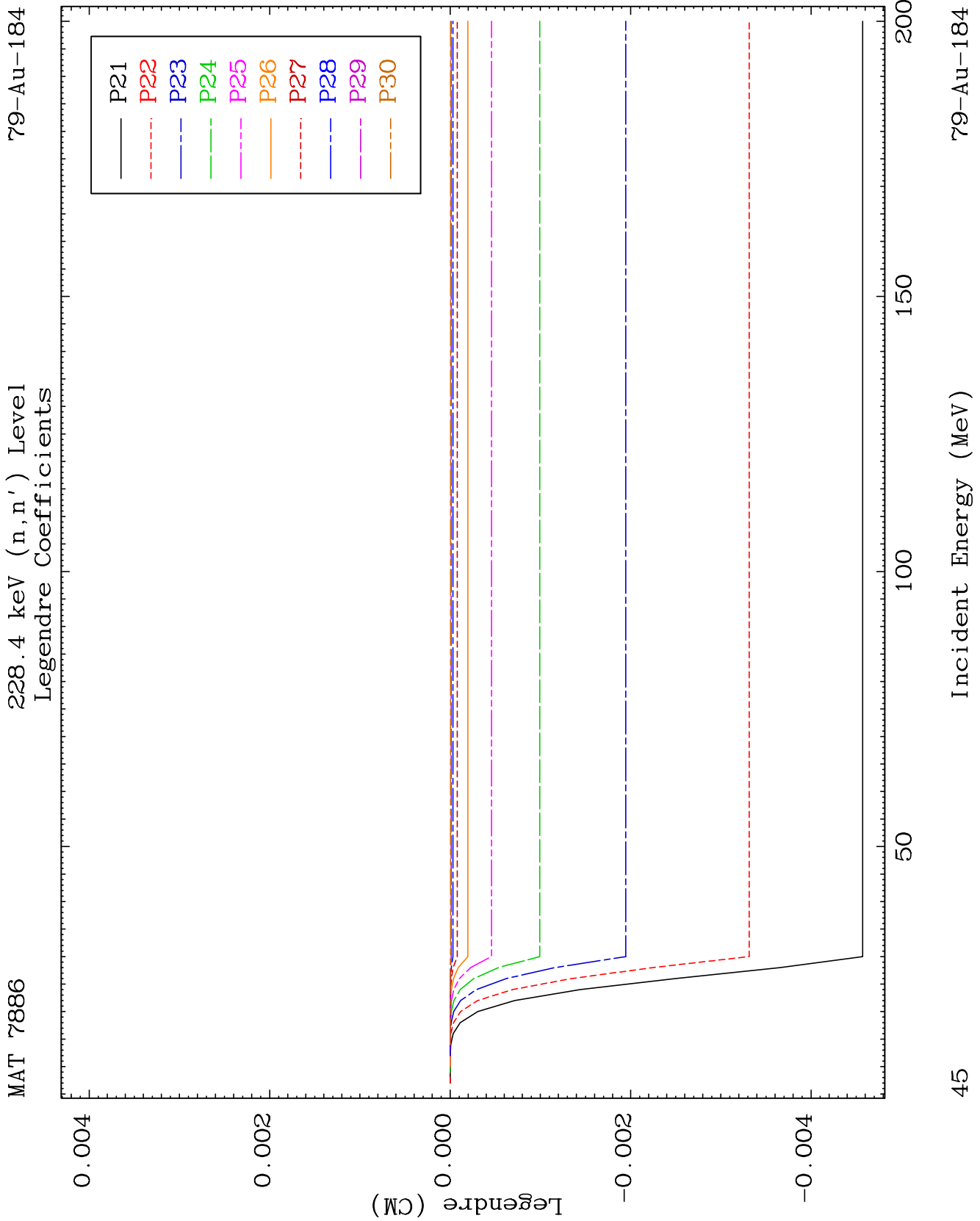
79-Au-184

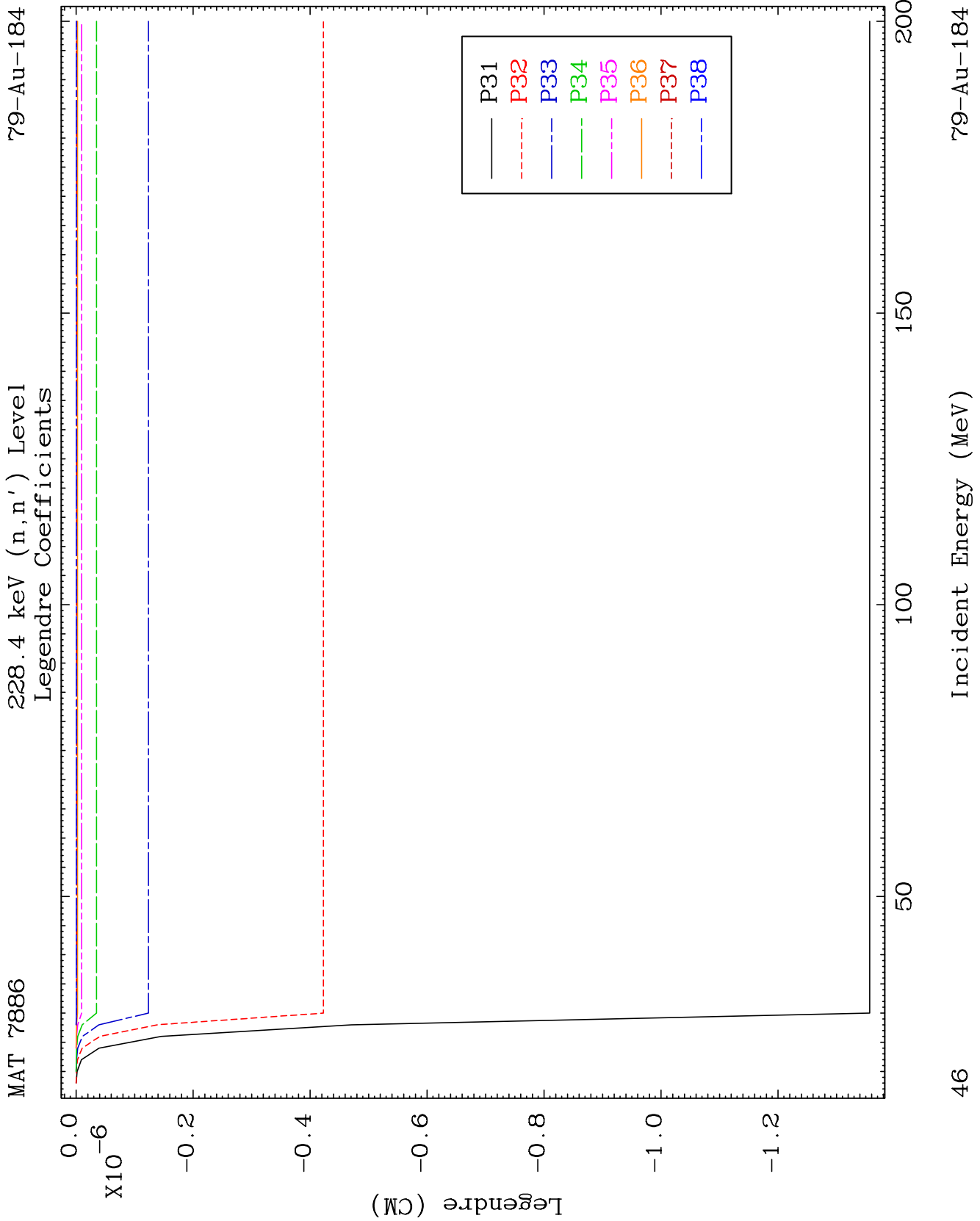


44

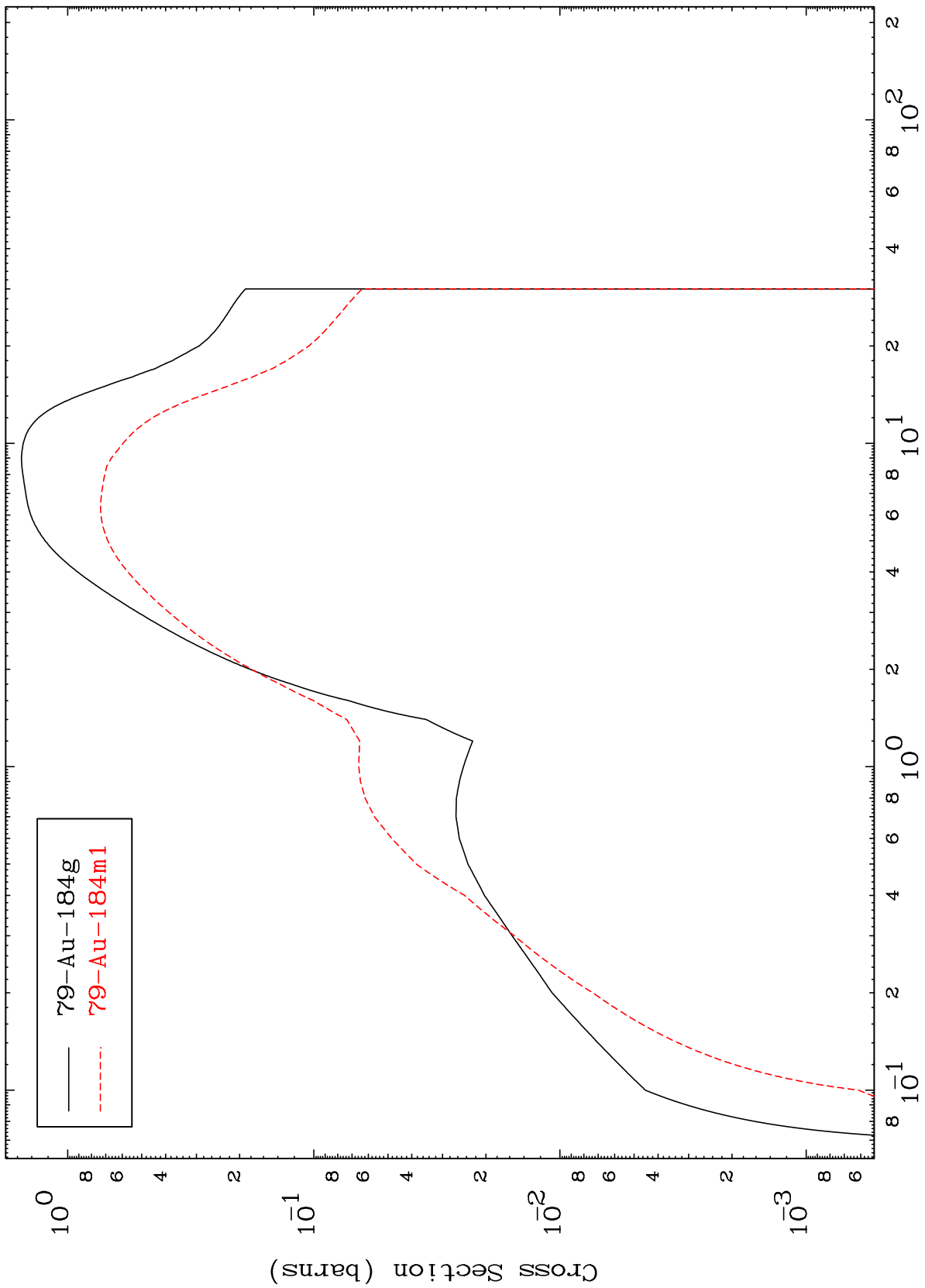
Incident Energy (MeV)

79-Au-184





Radionuclide Production Cross Section



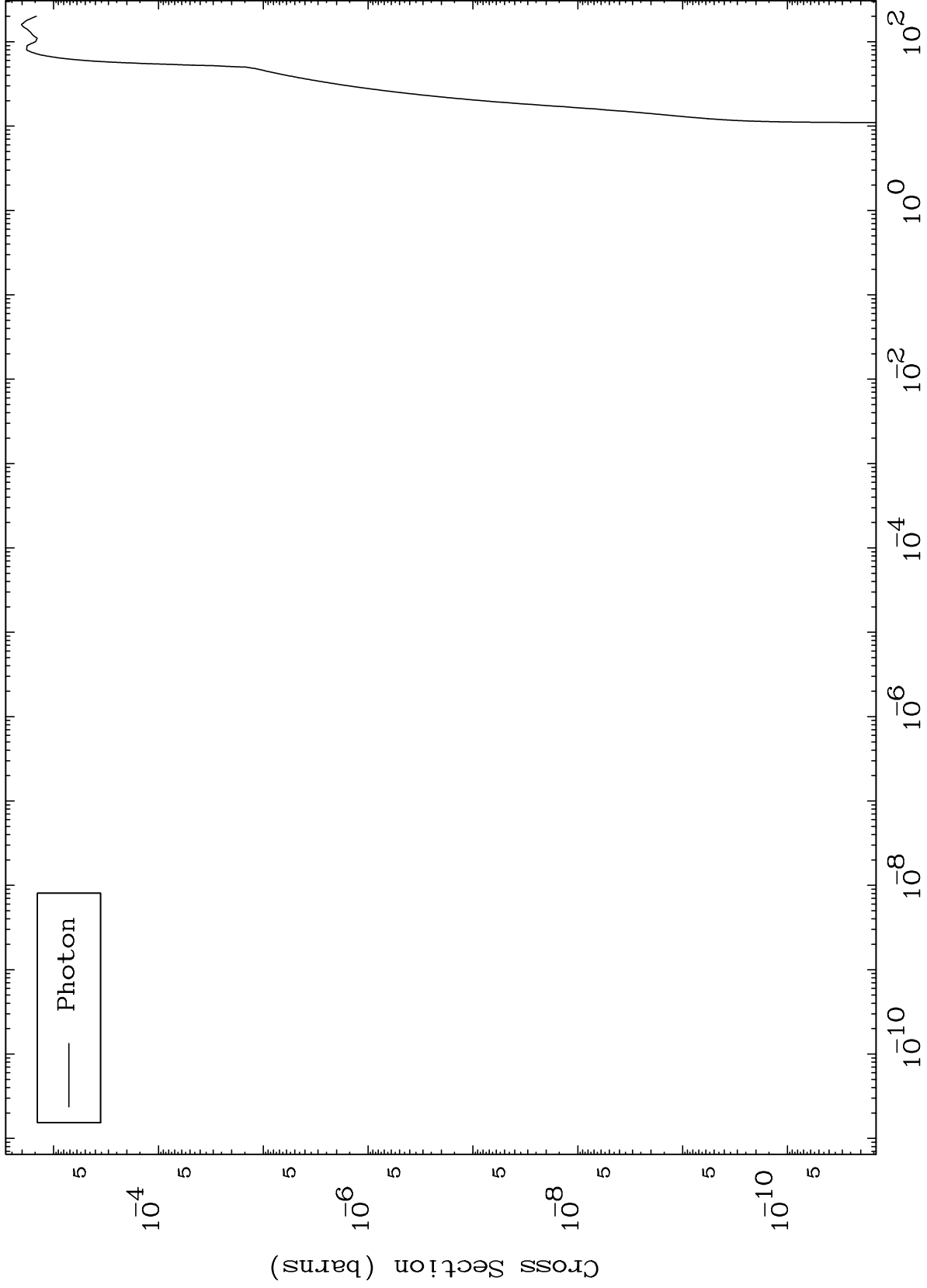
79-Au-184g
79-Au-184m1

MAT 7886

Fission

⁷⁹Au-184

Radionuclide Production Cross Section



48

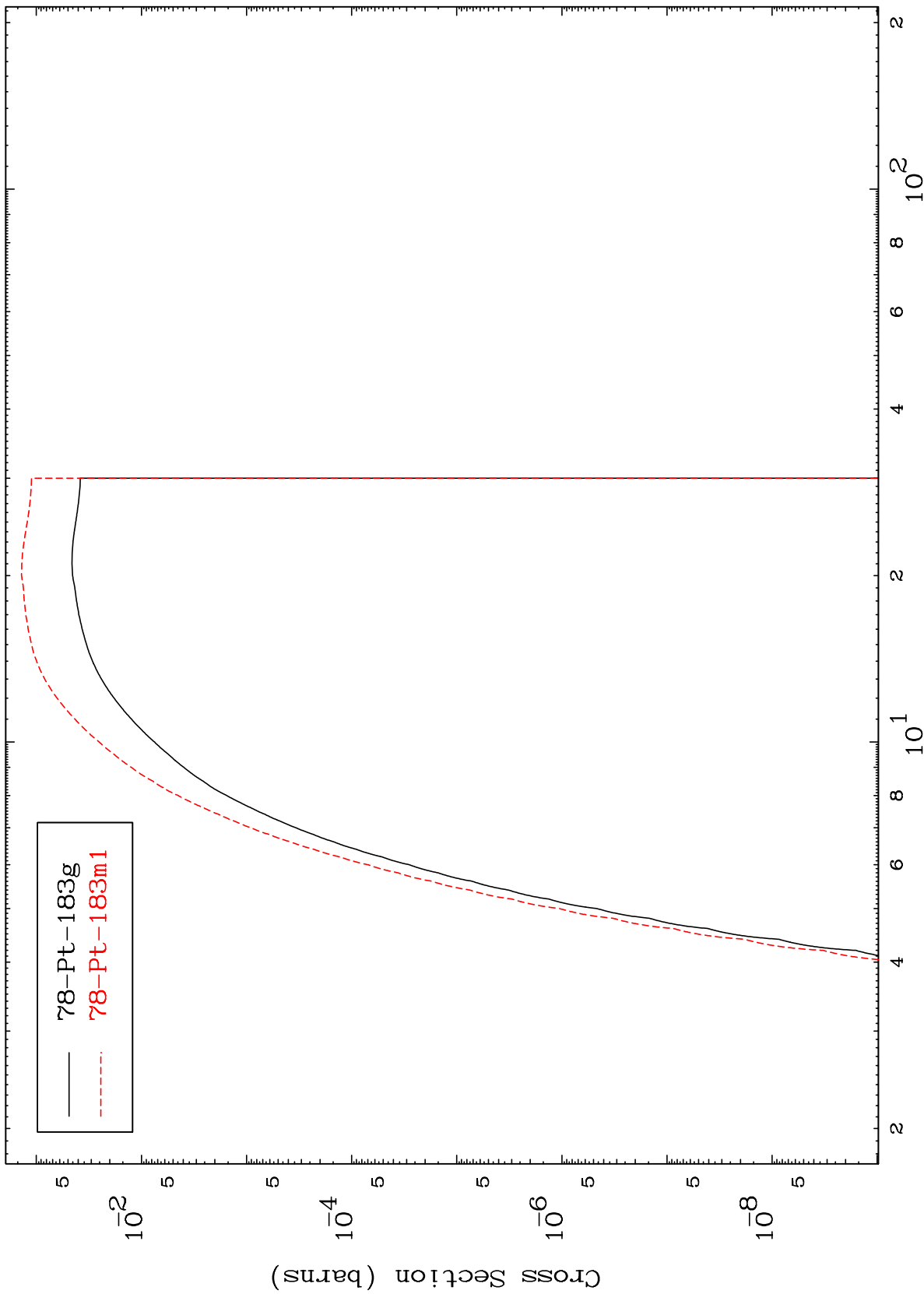
Incident Energy (MeV)

⁷⁹Au-184

MAT 7886

79-Au-184

(n,n') p
Radionuclide Production Cross Section



— 78-Pt-183g
- - - 78-Pt-183m1

79-Au-184

Incident Energy (MeV)

49

MAT 7886

(n,d)

⁷⁹Au-184

Radionuclide Production Cross Section

