

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

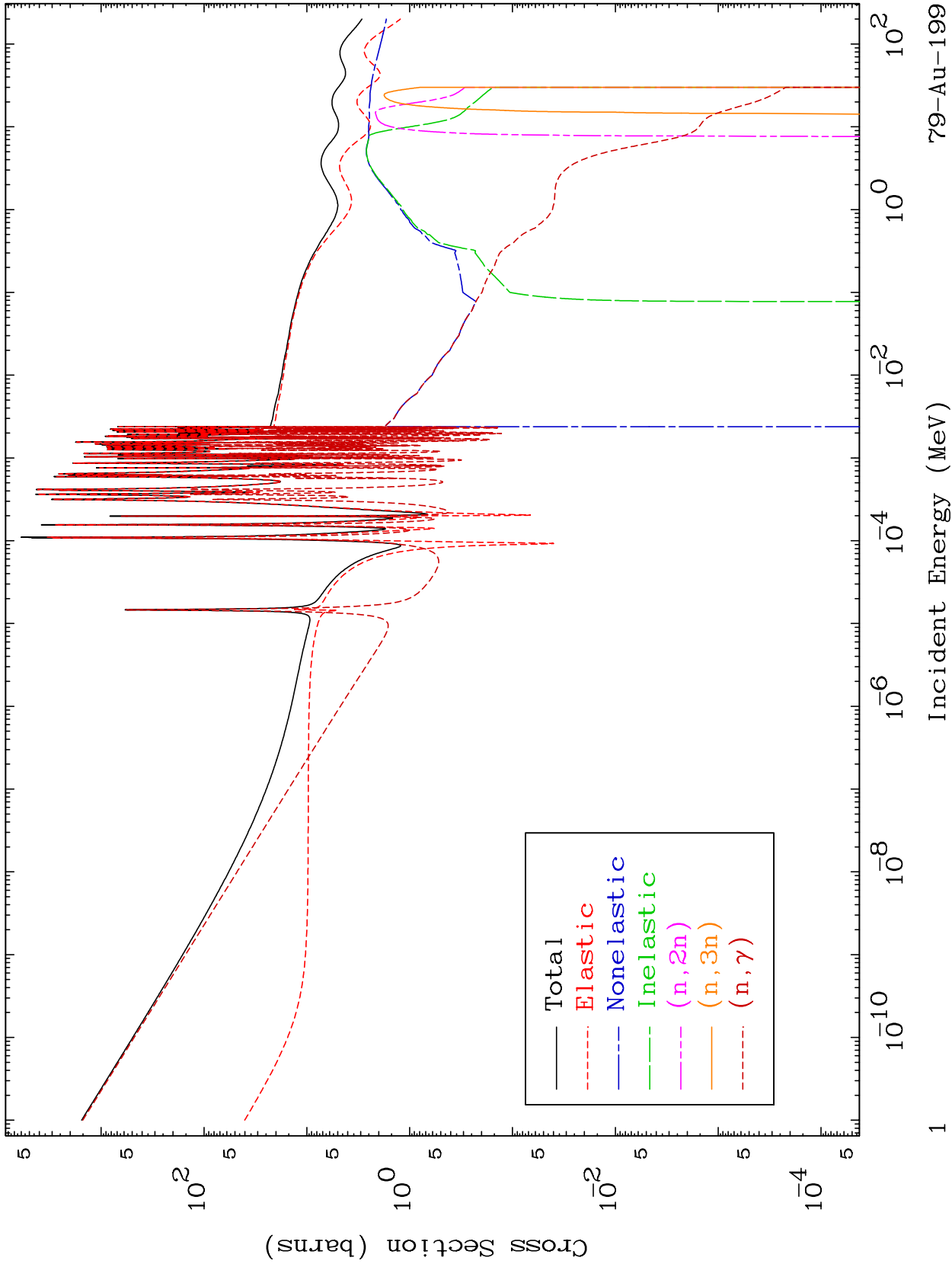
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7931

Neutron Major
293 Kelvin Cross Sections

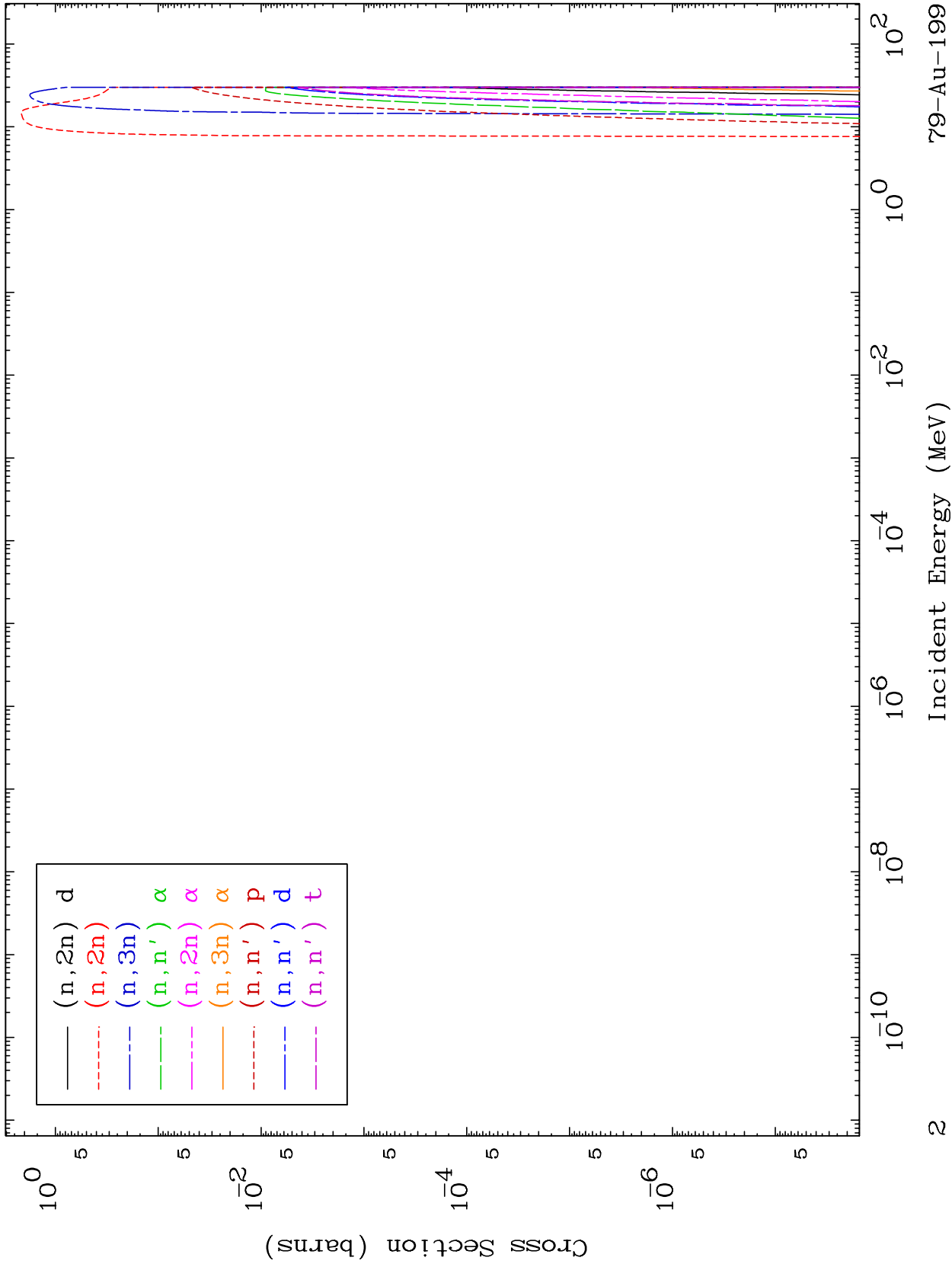
79-Au-199



MAT 7931

Neutron Absorption
293 Kelvin Cross Sections

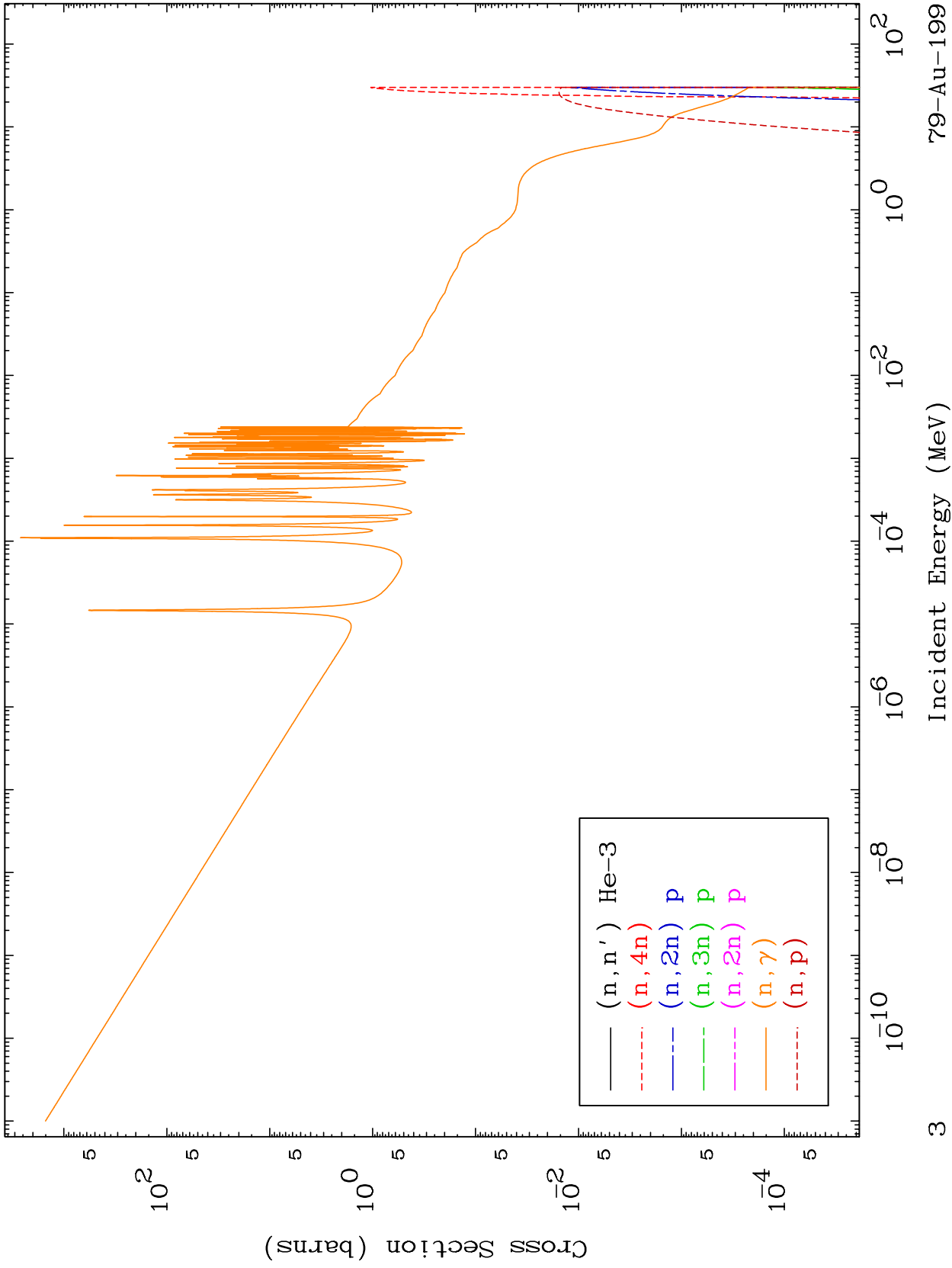
79-Au-199

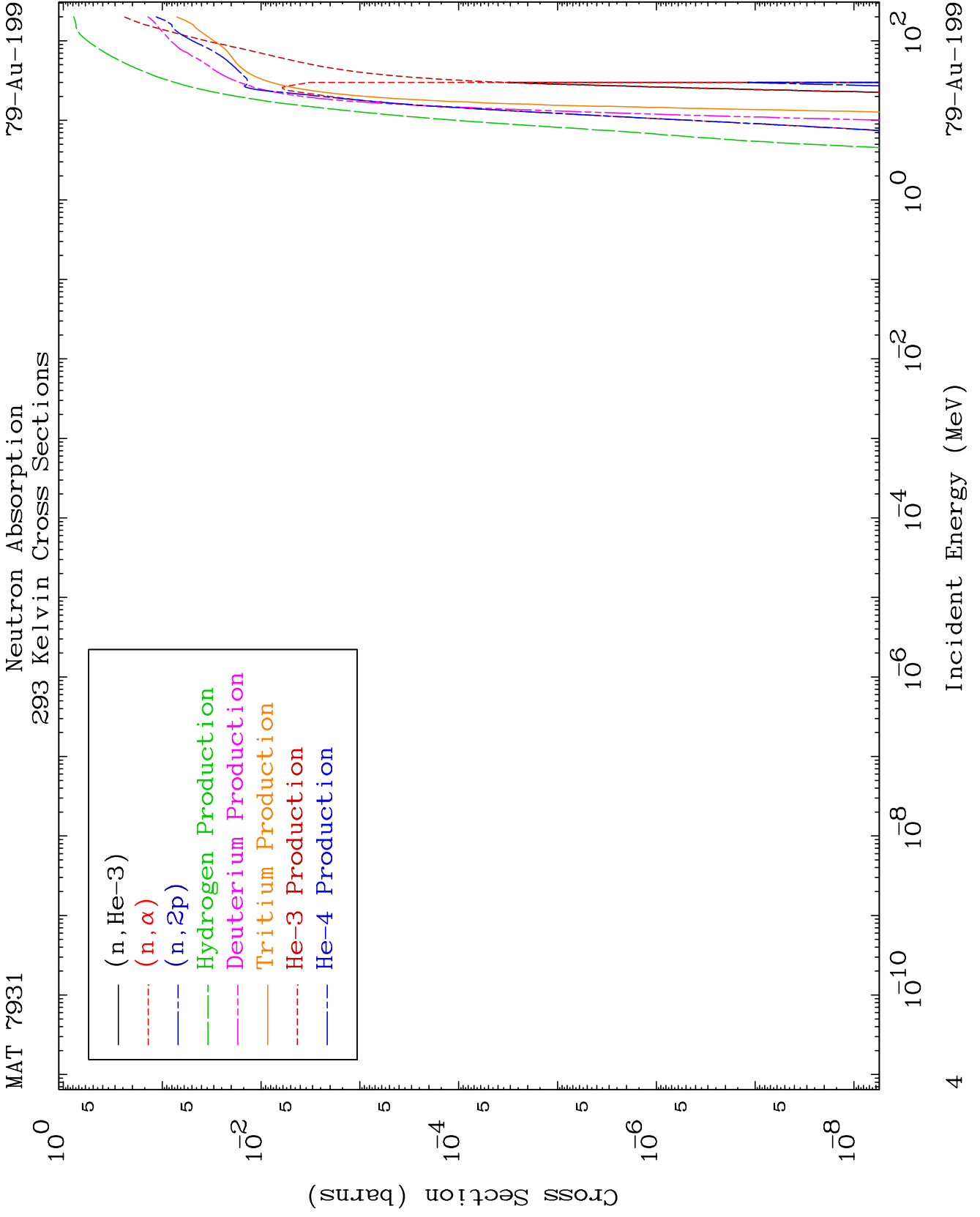


MAT 7931

Neutron Absorption
293 Kelvin Cross Sections

79-Au-199

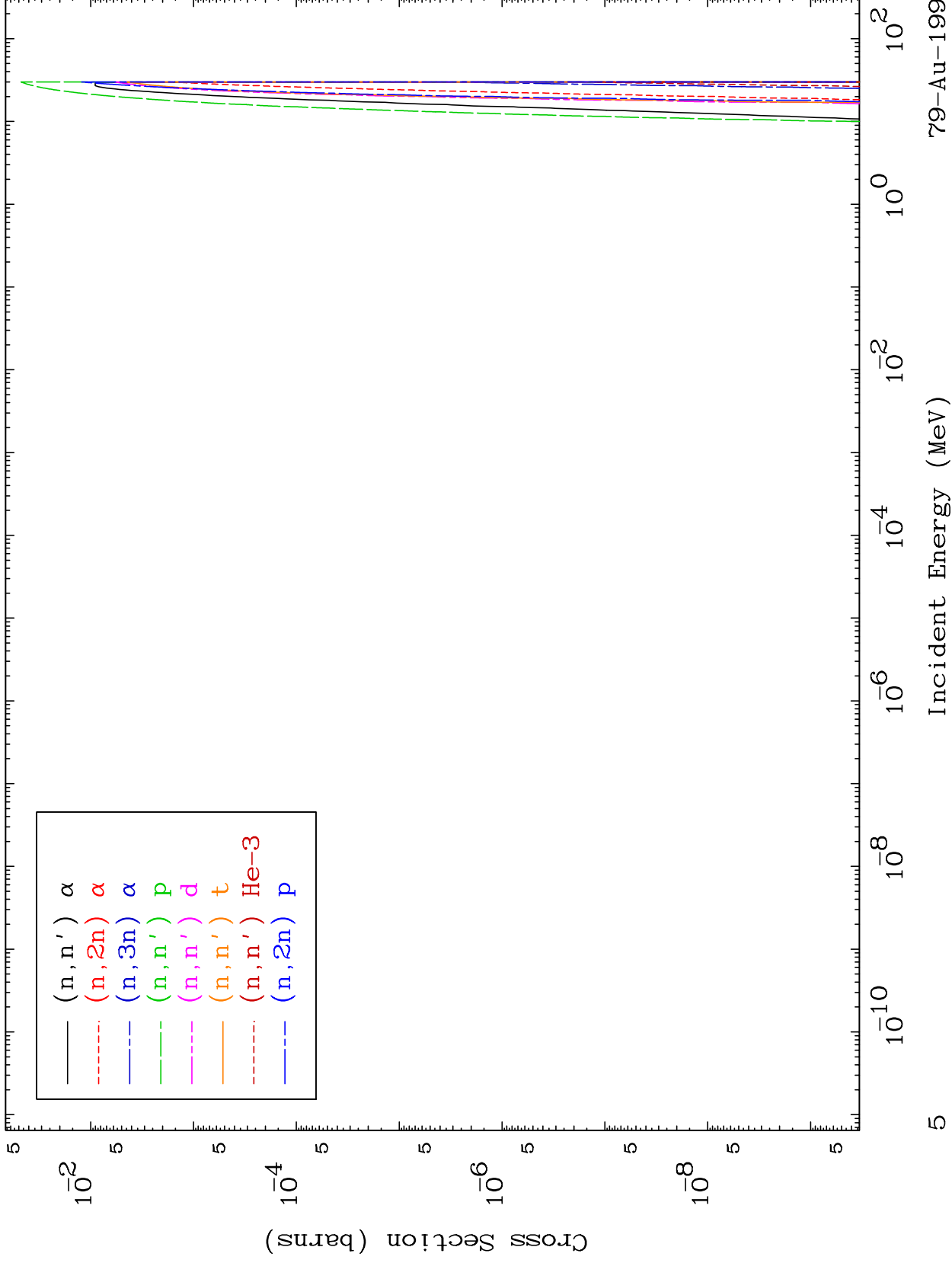




MAT 7931

Charged Particle
293 Kelvin Cross Sections

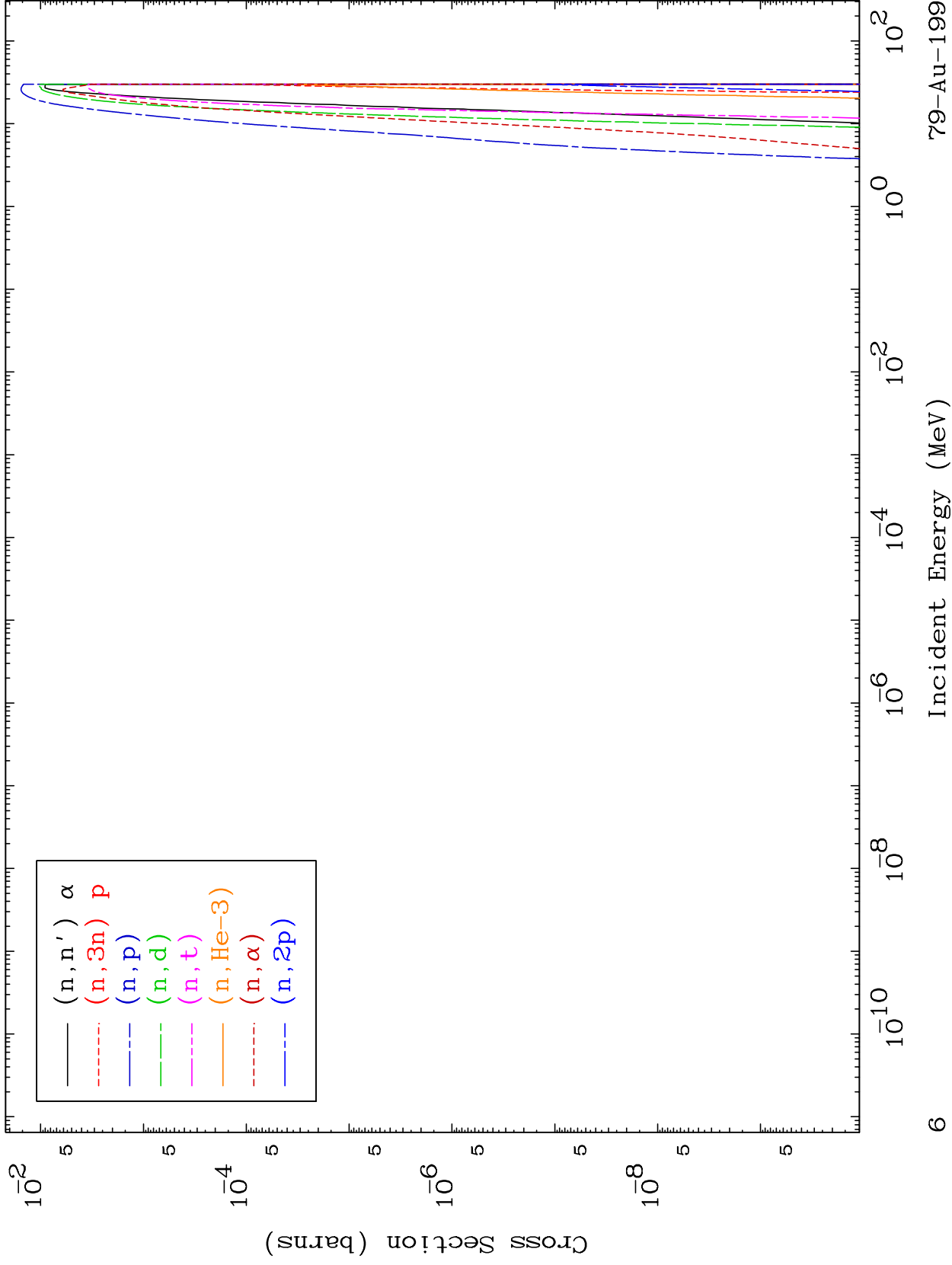
79-Au-199



MAT 7931

Charged Particle
293 Kelvin Cross Sections

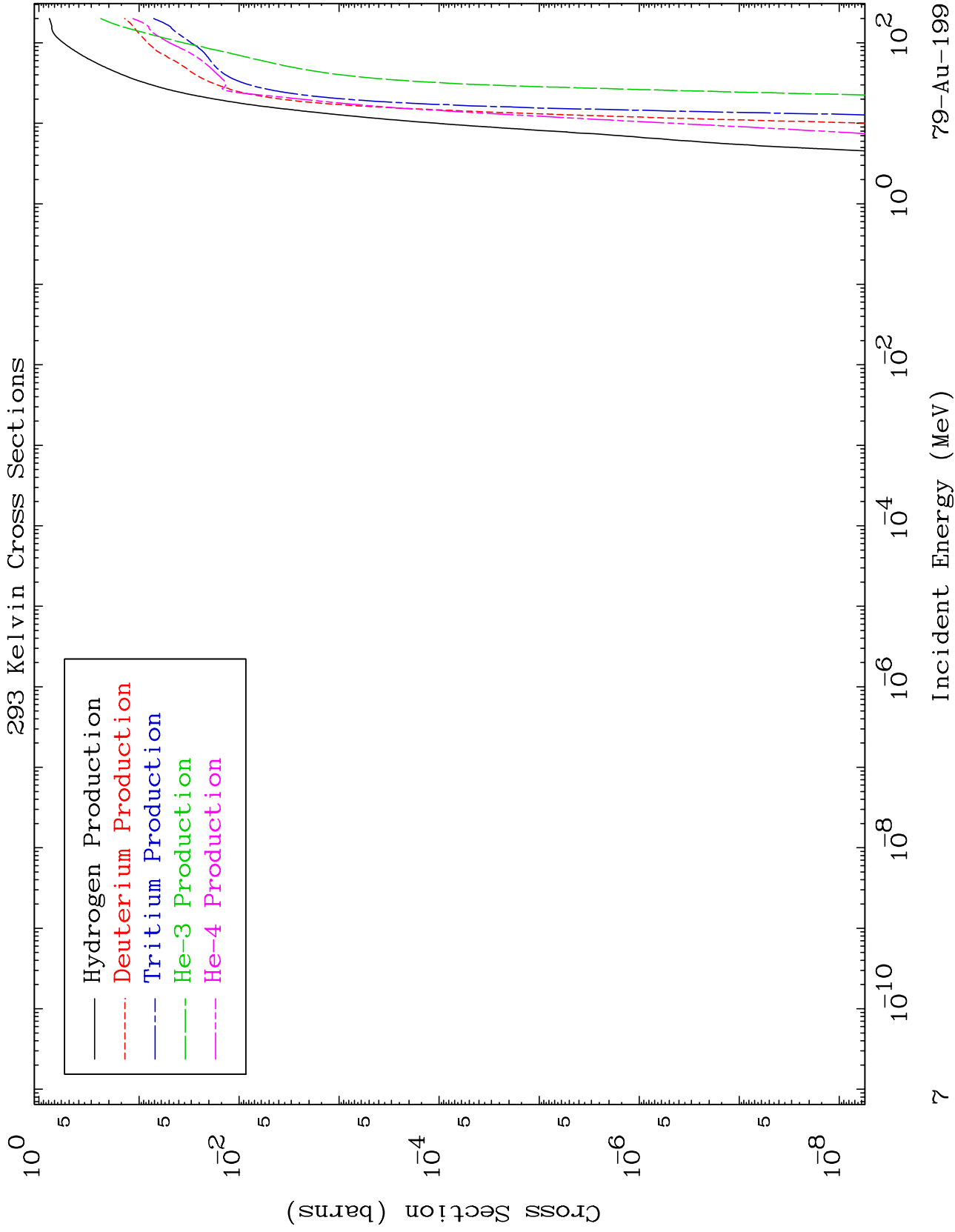
79-Au-199



MAT 7931

Particle Production
293 Kelvin Cross Sections

79-Au-199

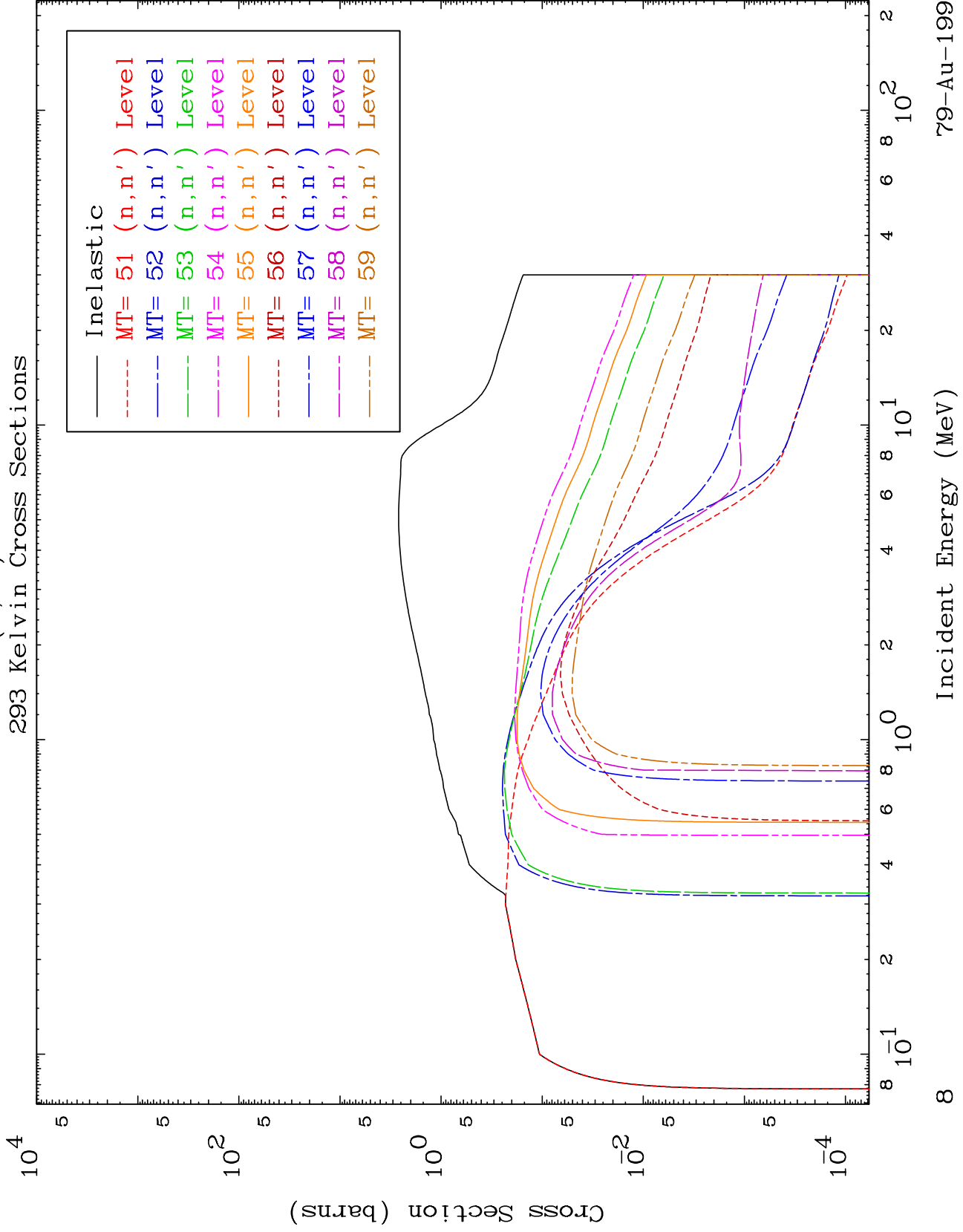


MAT 7931

(n,n') Levels

293 Kelvin Cross Sections

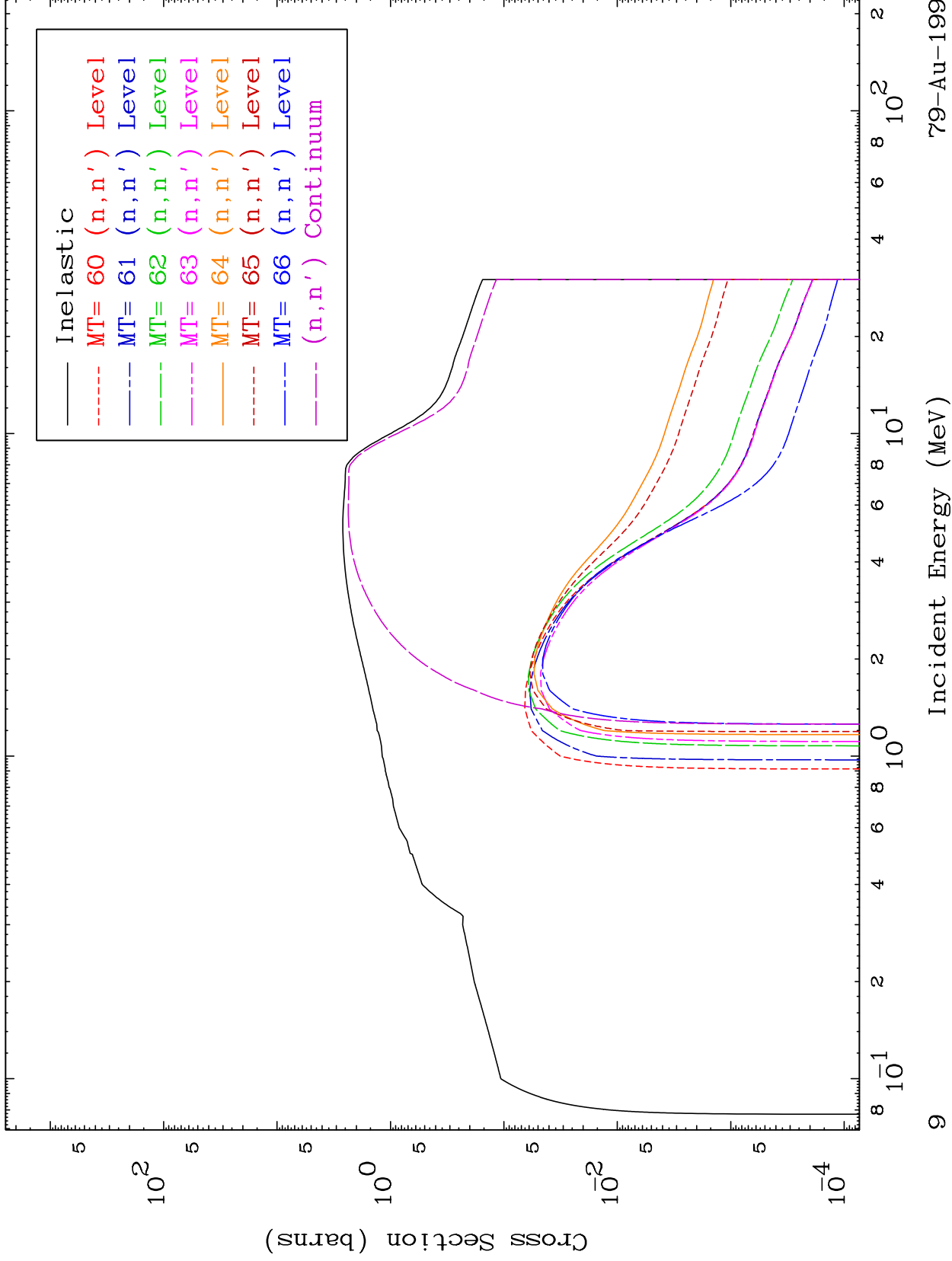
79-Au-199



8

Incident Energy (MeV)

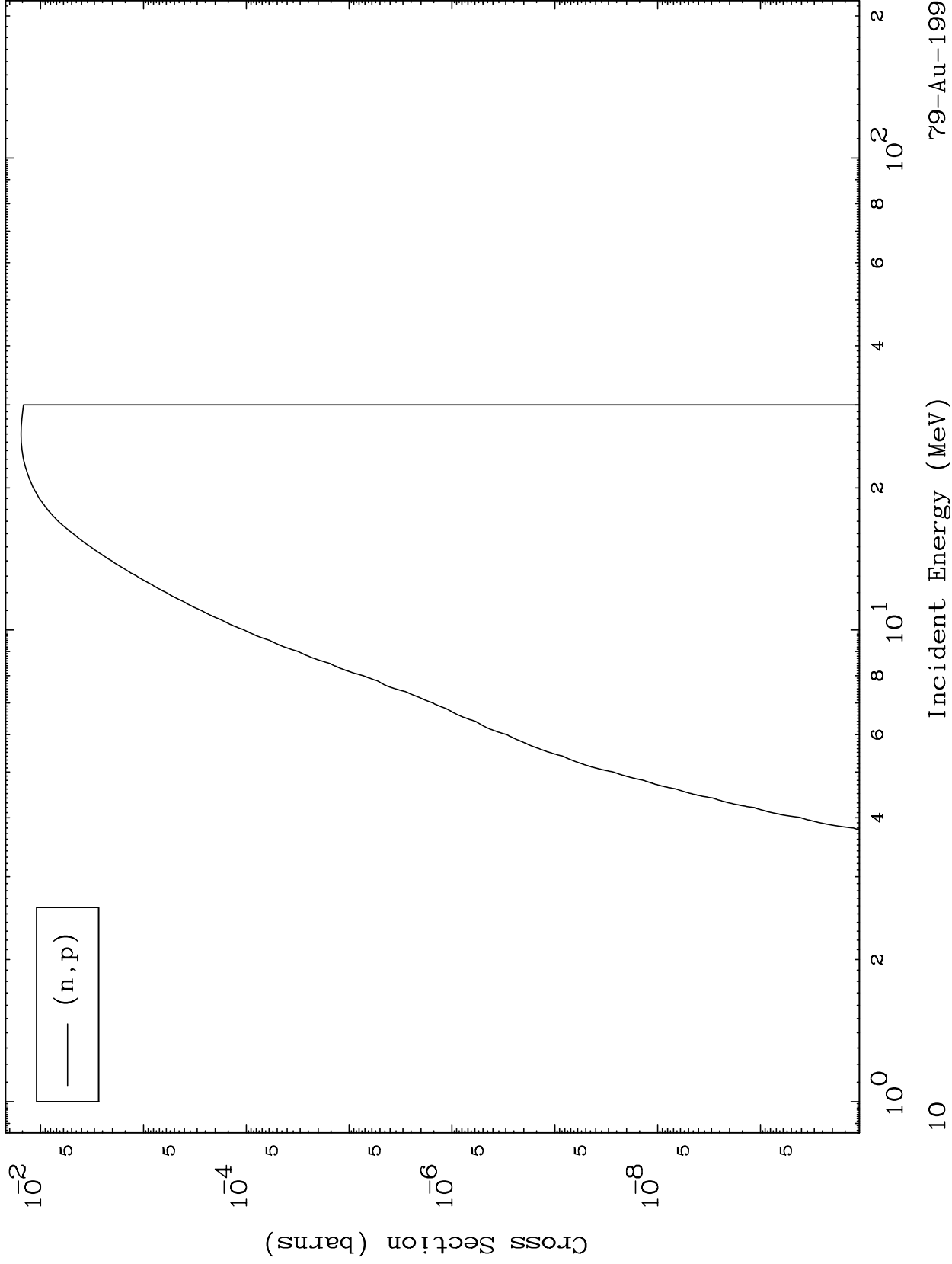
79-Au-199



MAT 7931

(n,p) Levels
293 Kelvin Cross Sections

79-Au-199



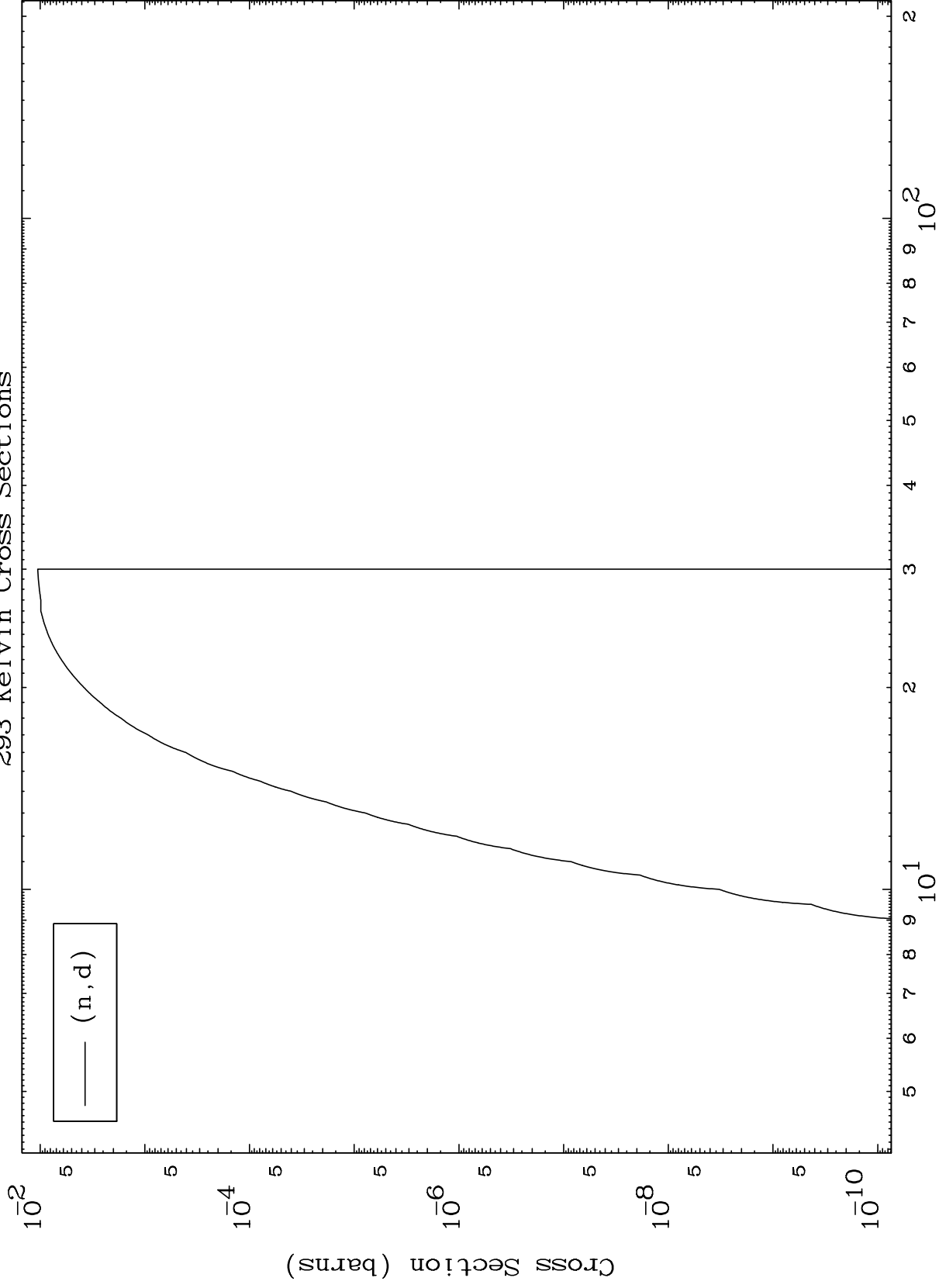
Incident Energy (MeV)

79-Au-199

MAT 7931

(n,d) Levels
293 Kelvin Cross Sections

79-Au-199



11

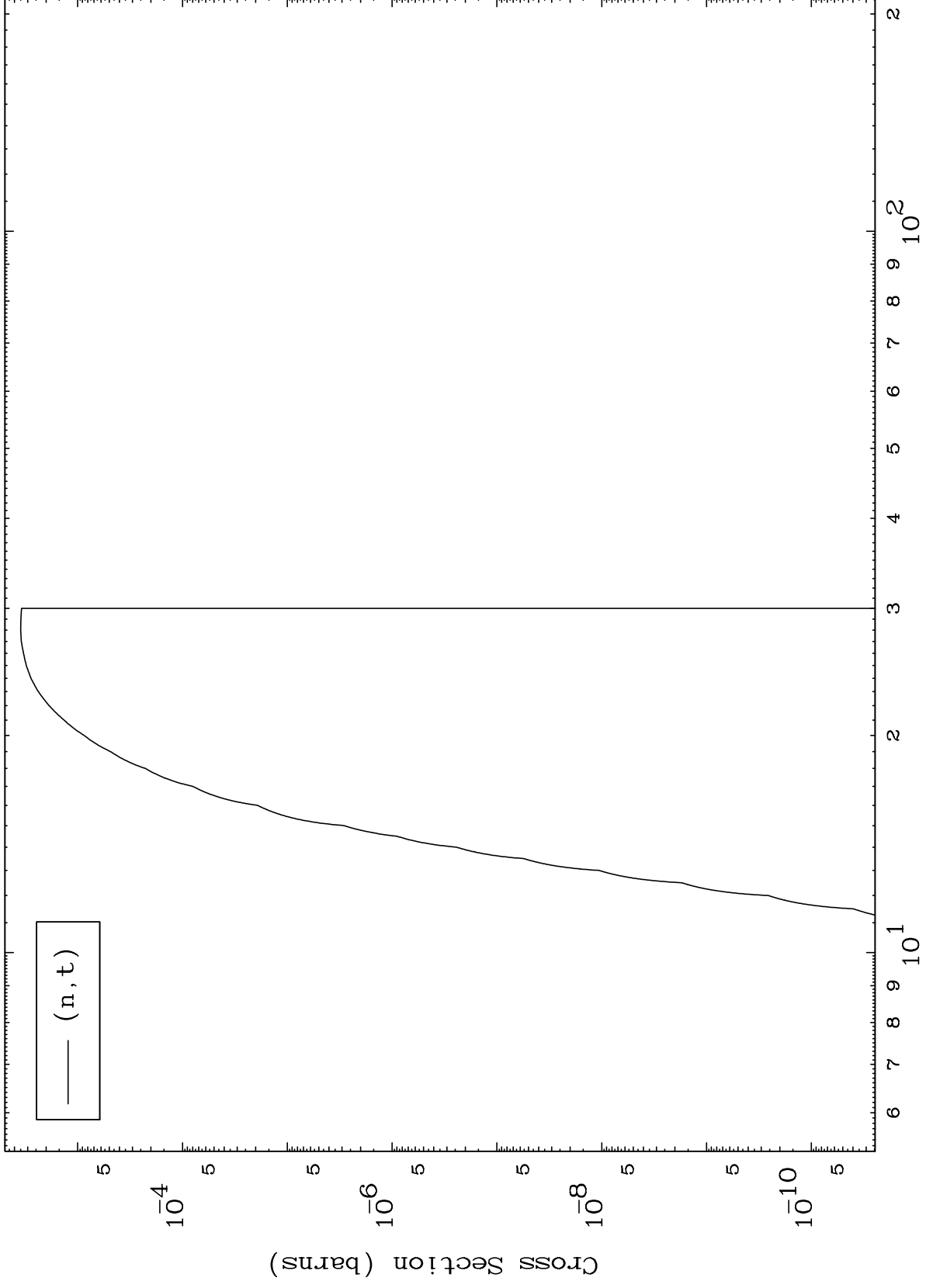
Incident Energy (MeV)

79-Au-199

MAT 7931

(n,t) Levels
293 Kelvin Cross Sections

79-Au-199



12

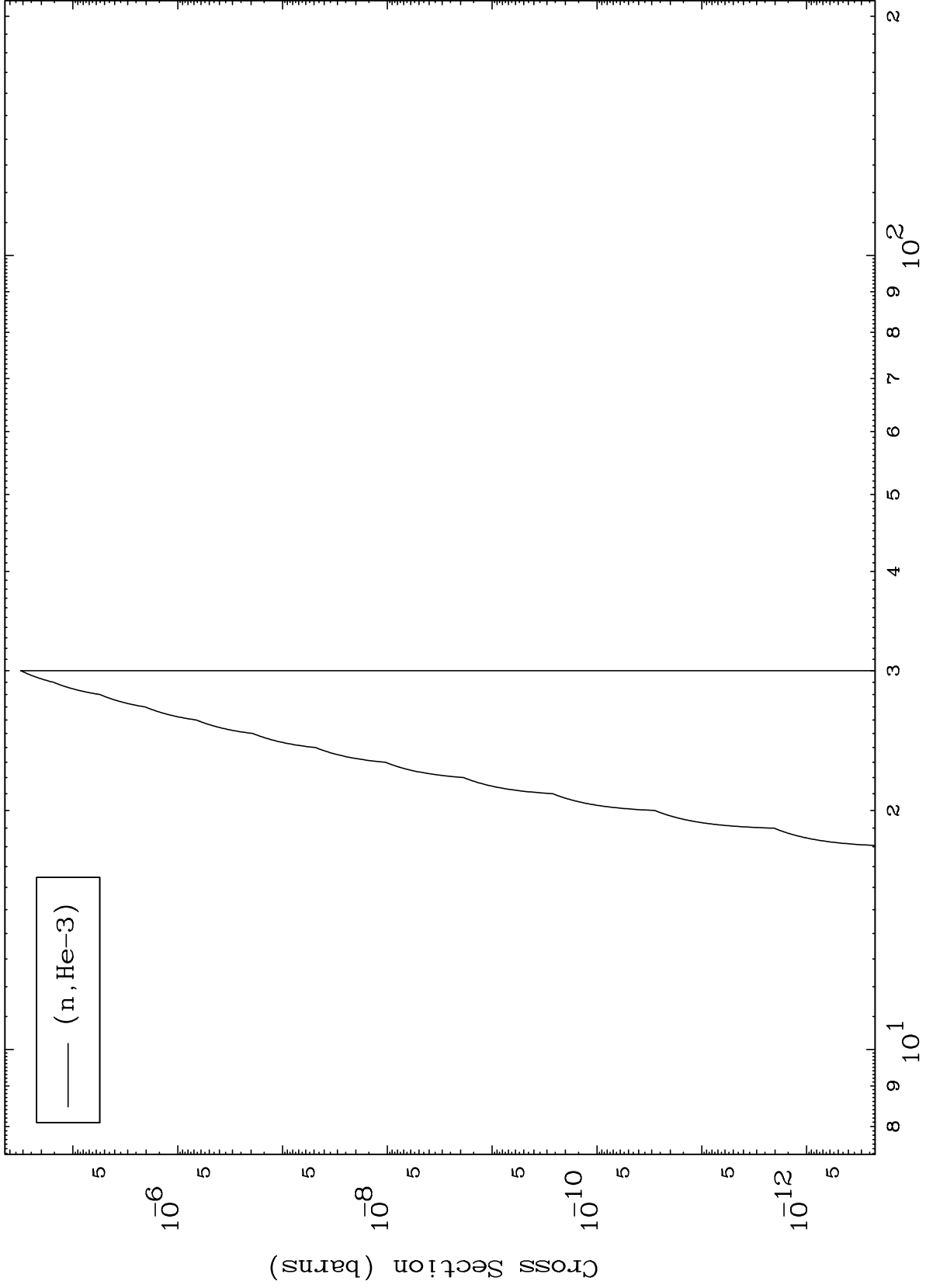
Incident Energy (MeV)

79-Au-199

MAT 7931

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-199



13

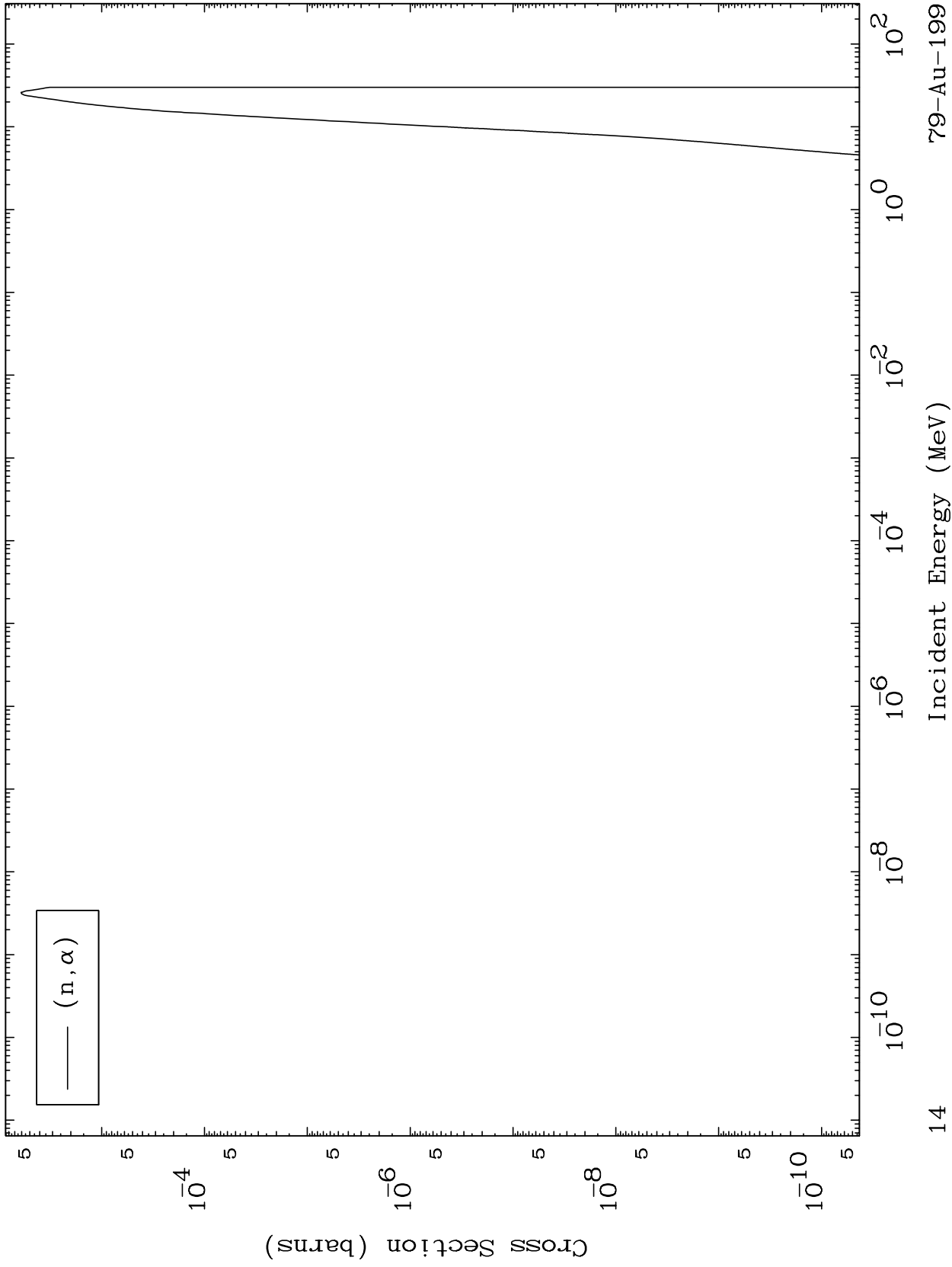
Incident Energy (MeV)

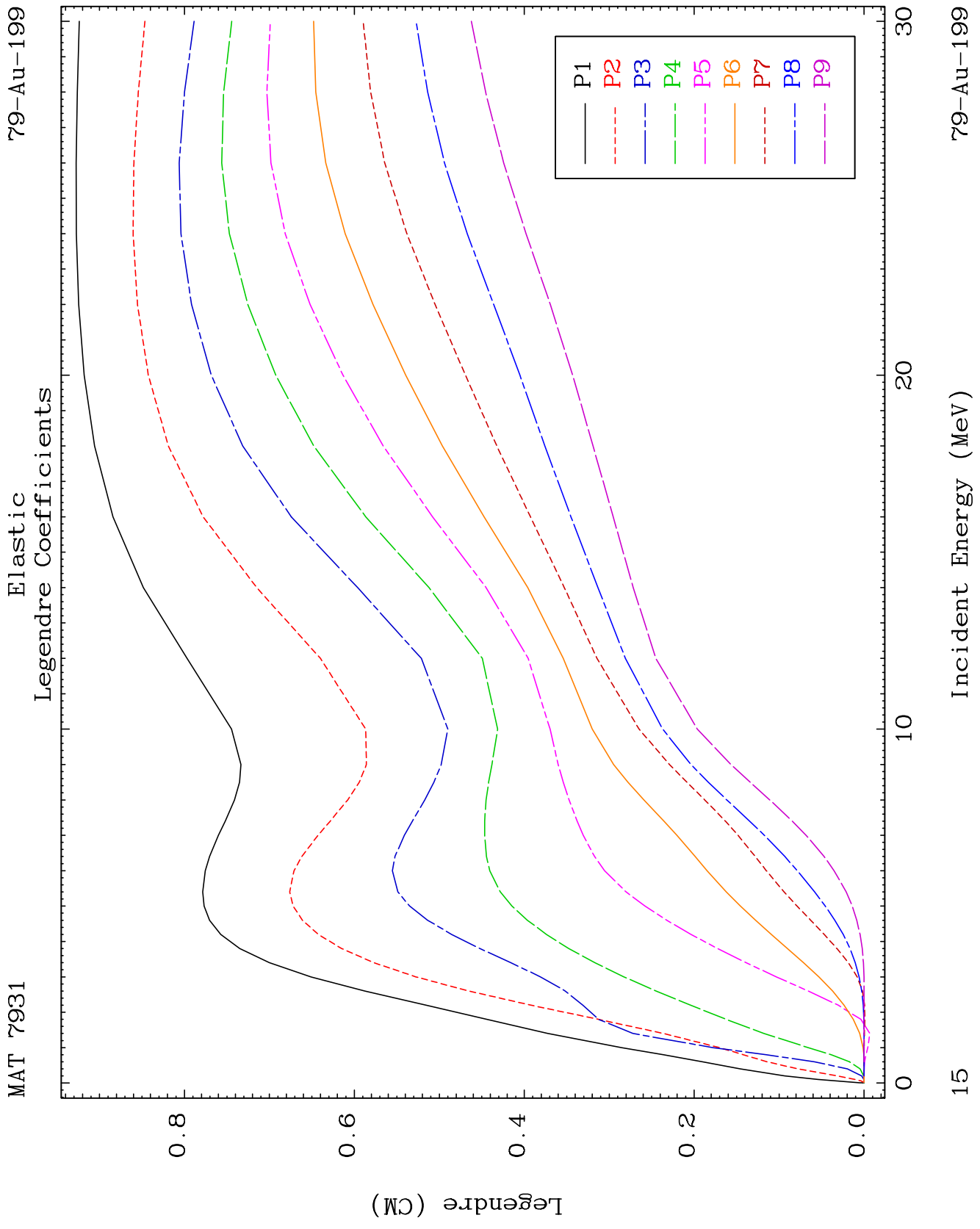
79-Au-199

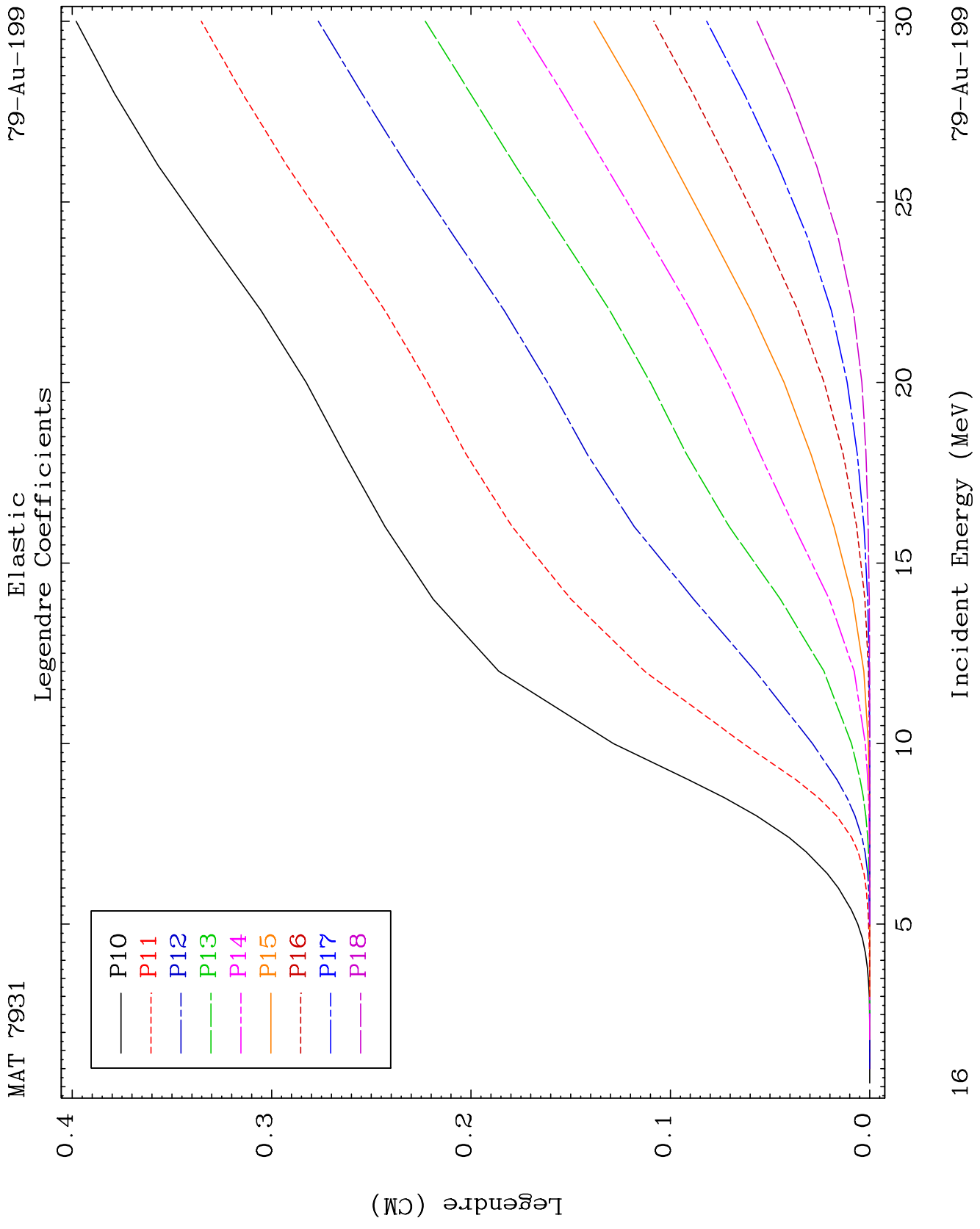
MAT 7931

(n, α) Levels
293 Kelvin Cross Sections

79-Au-199



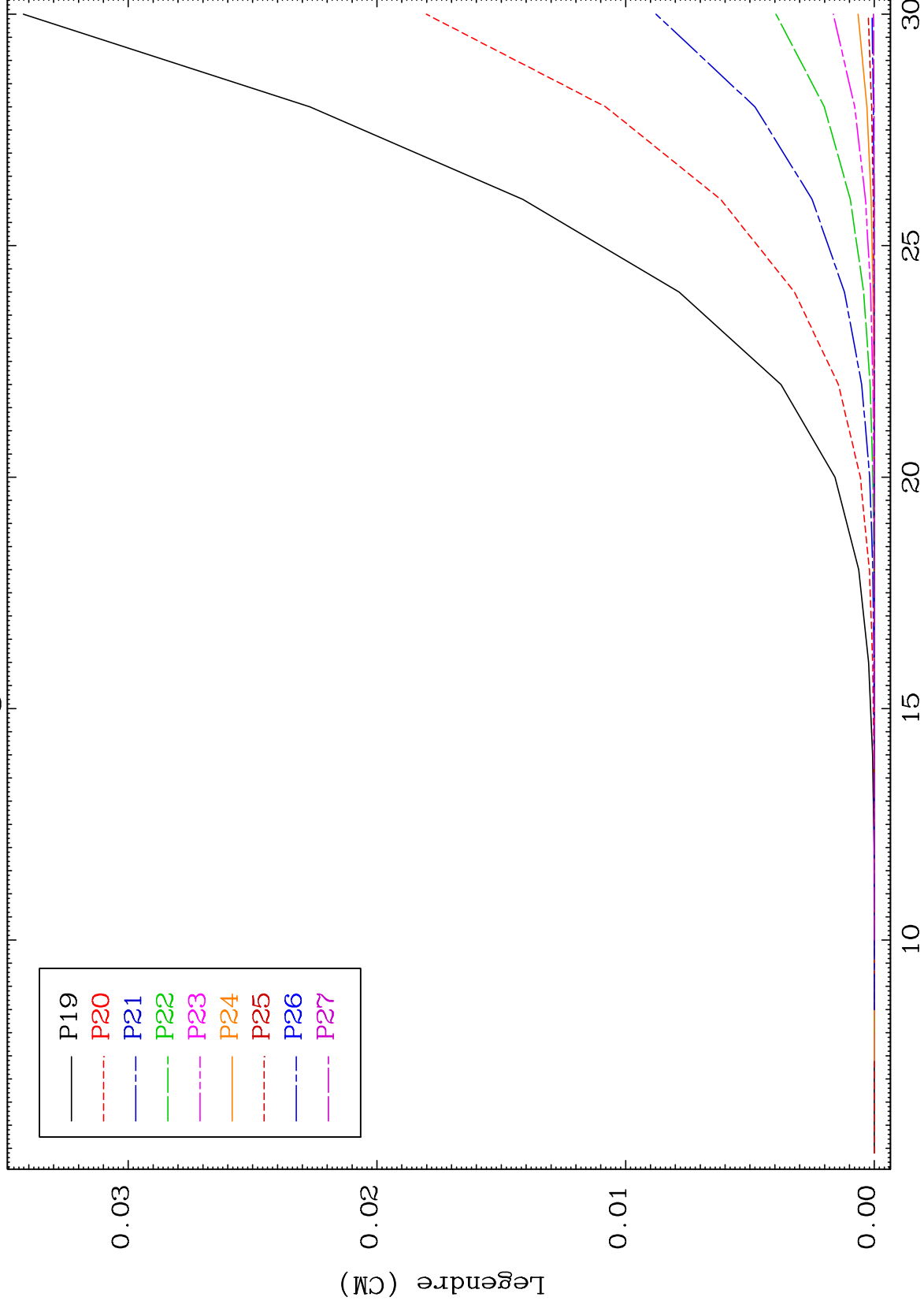




MAT 7931

Elastic Legendre Coefficients

79-Au-199



17

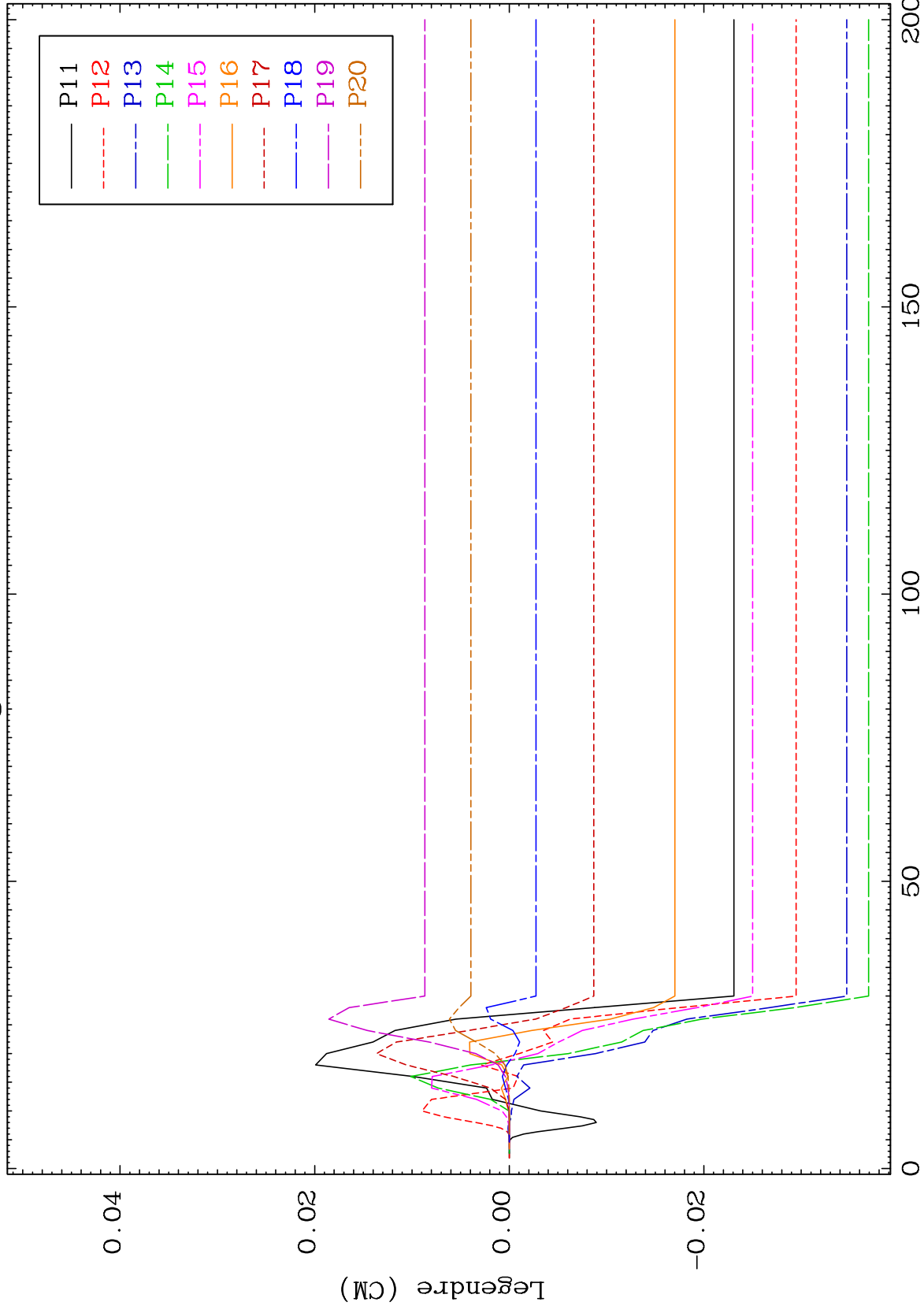
Incident Energy (MeV)

79-Au-199

MAT 7931

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

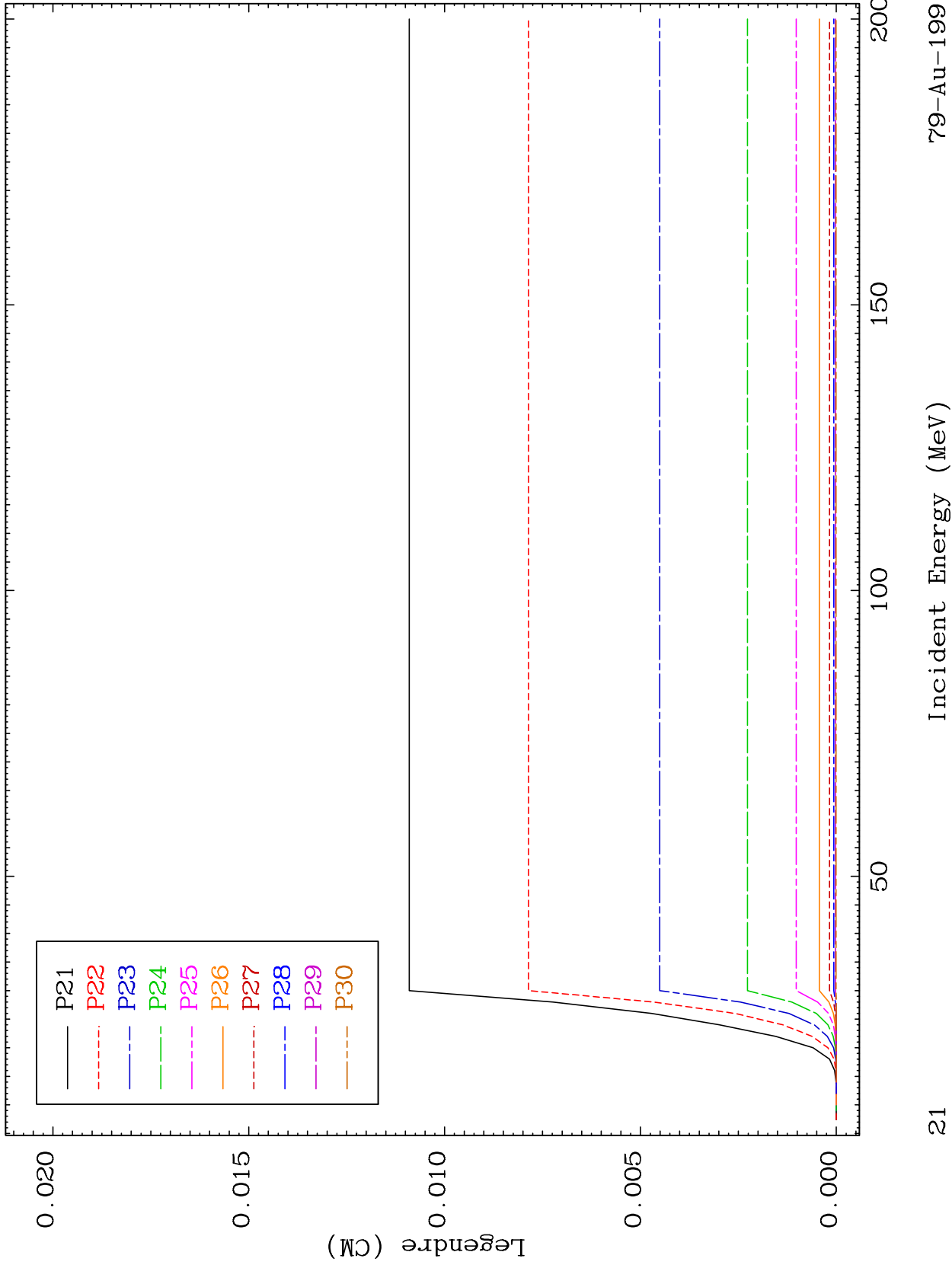
79-Au-199

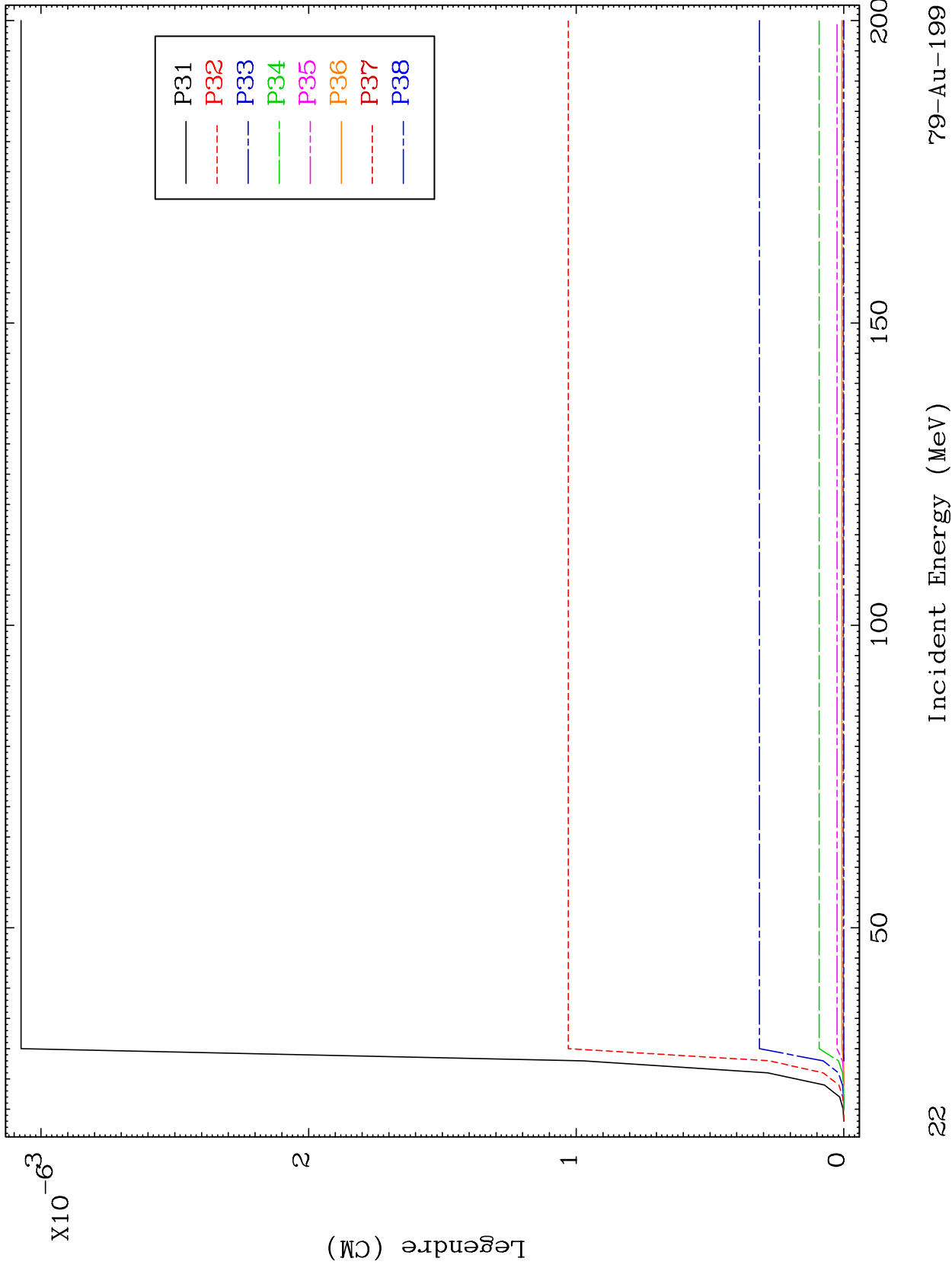


79-Au-199

Incident Energy (MeV)

20

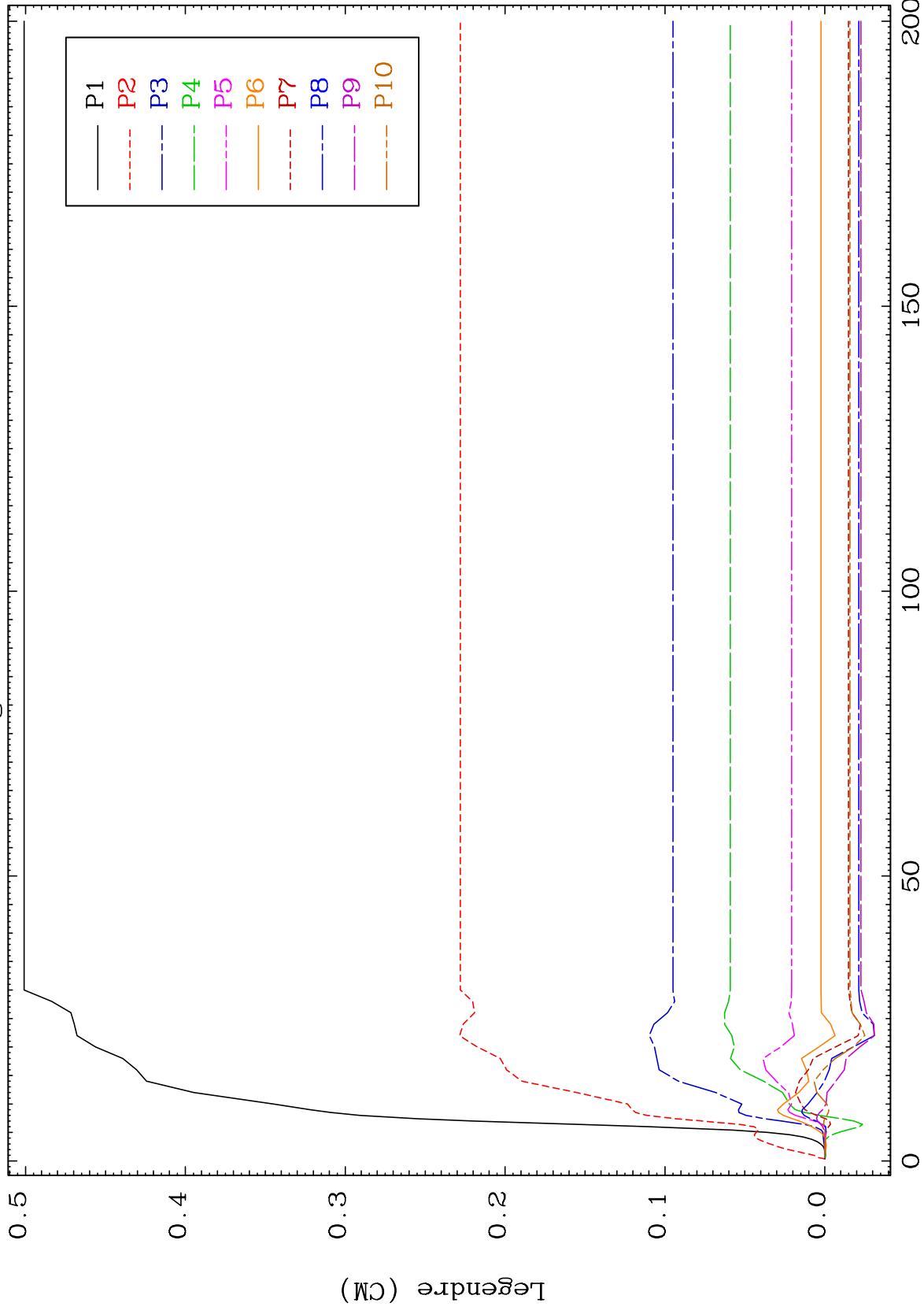




MAT 7931

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

79-Au-199



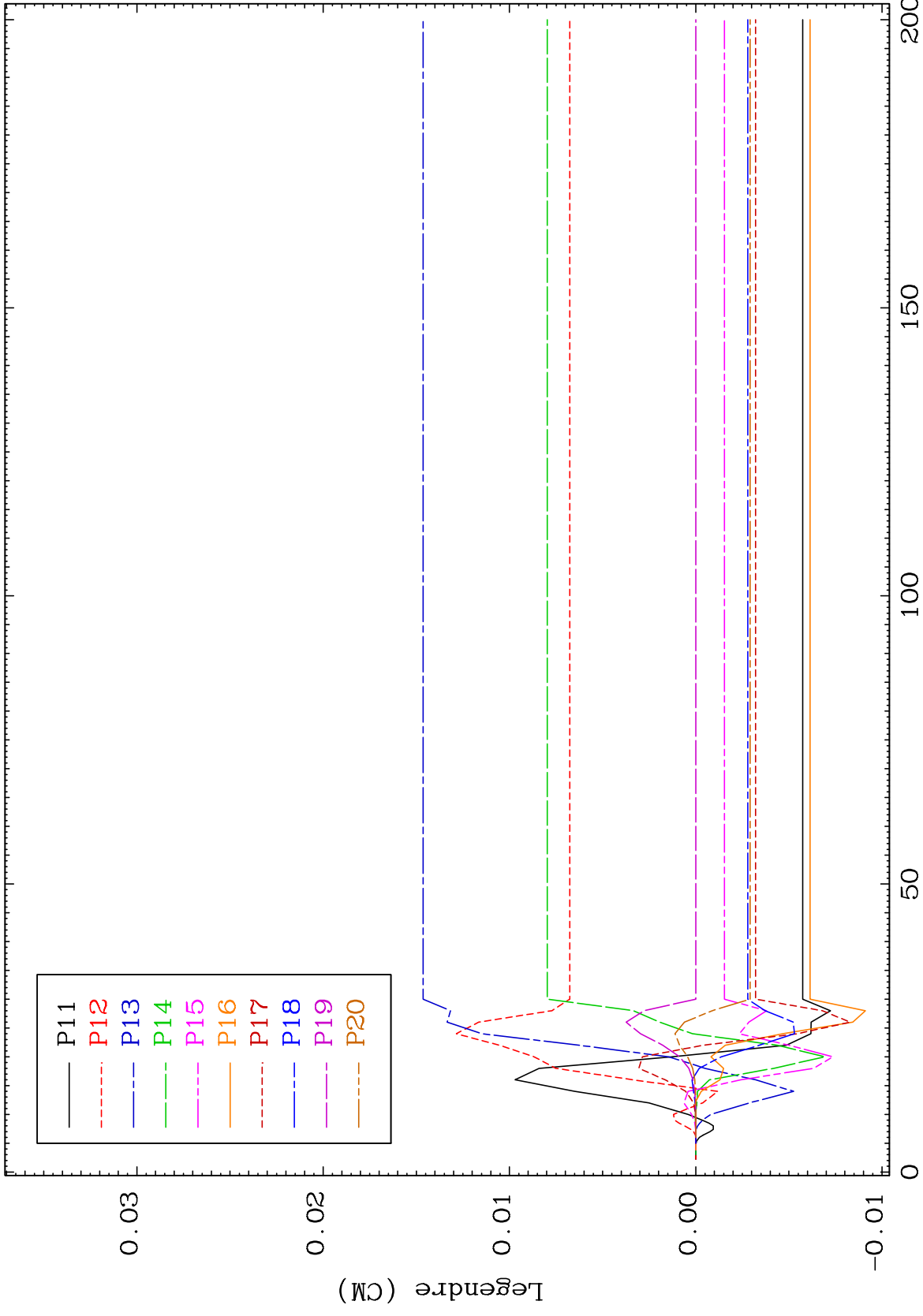
23

79-Au-199

MAT 7931

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

79-Au-199



24

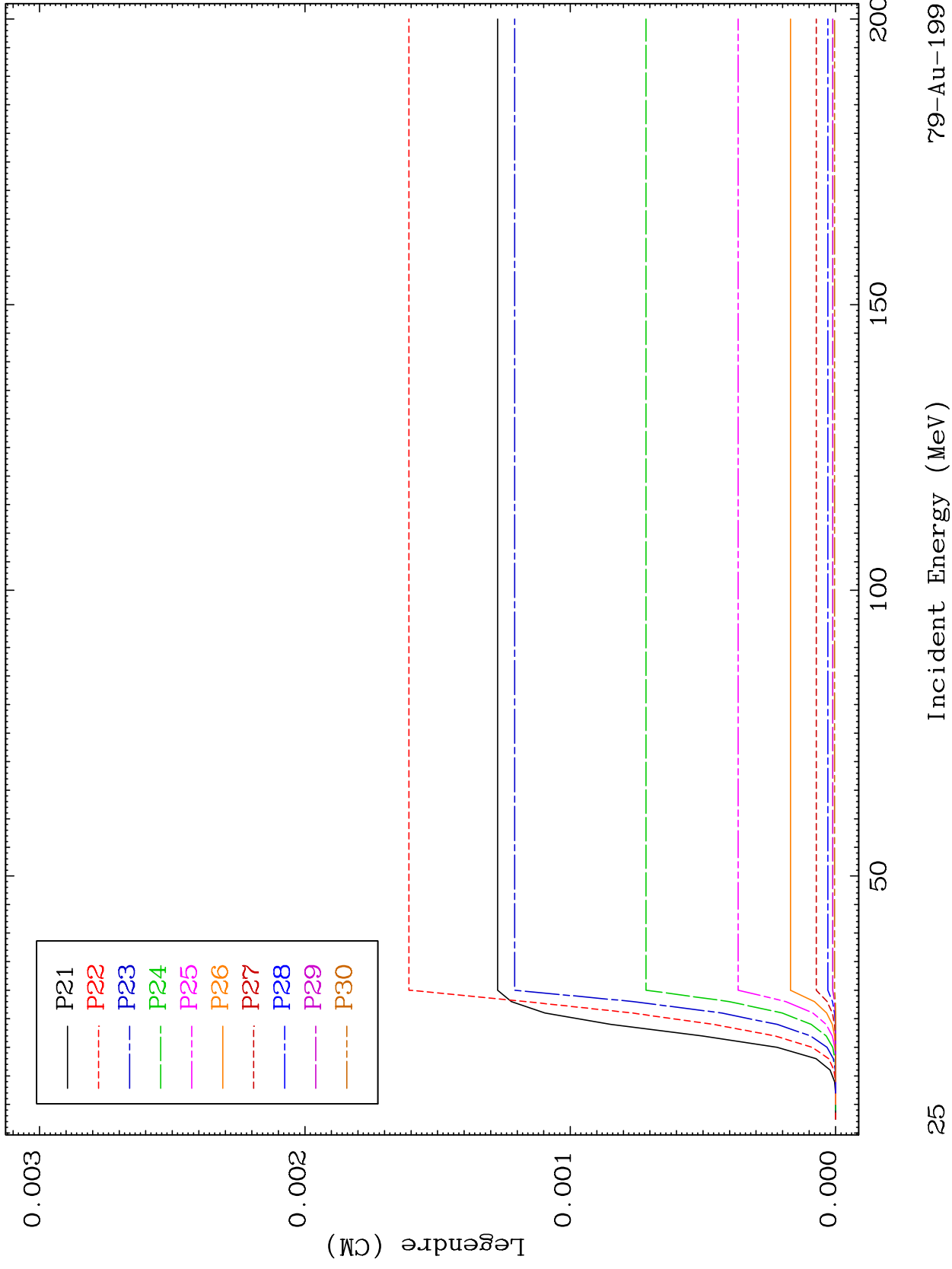
Incident Energy (MeV)

79-Au-199

MAT 7931

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

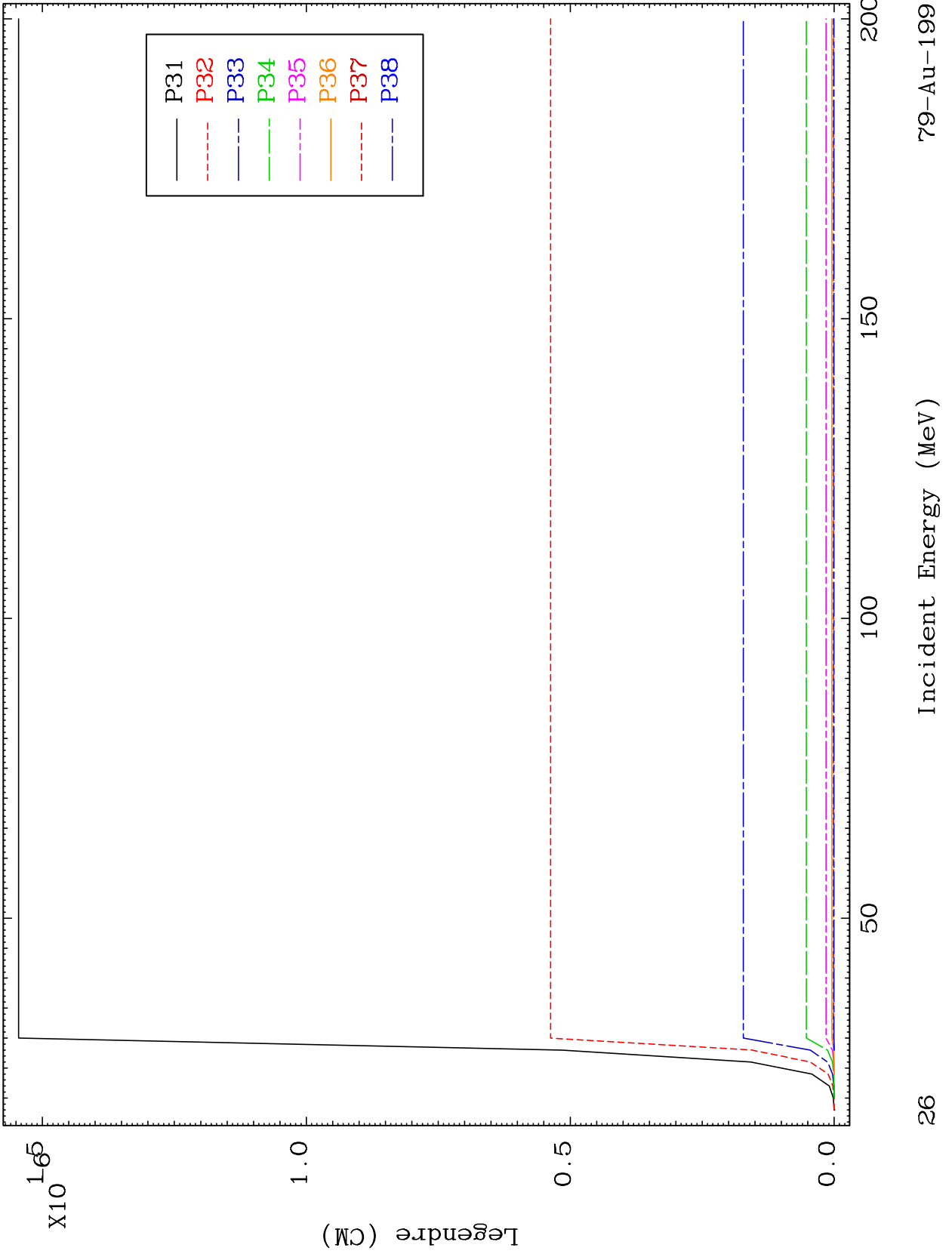
79-Au-199

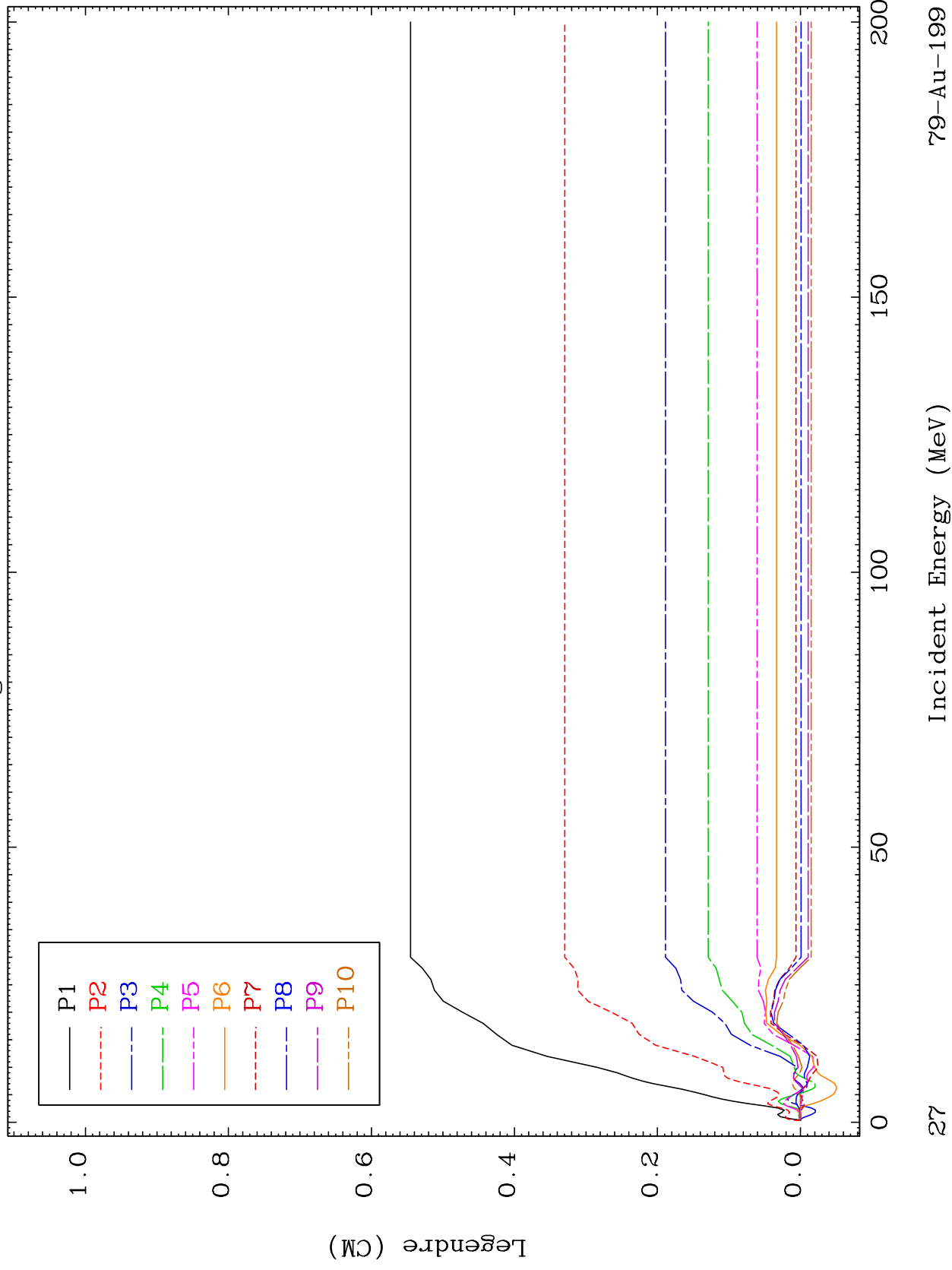


79-Au-199

Incident Energy (MeV)

25

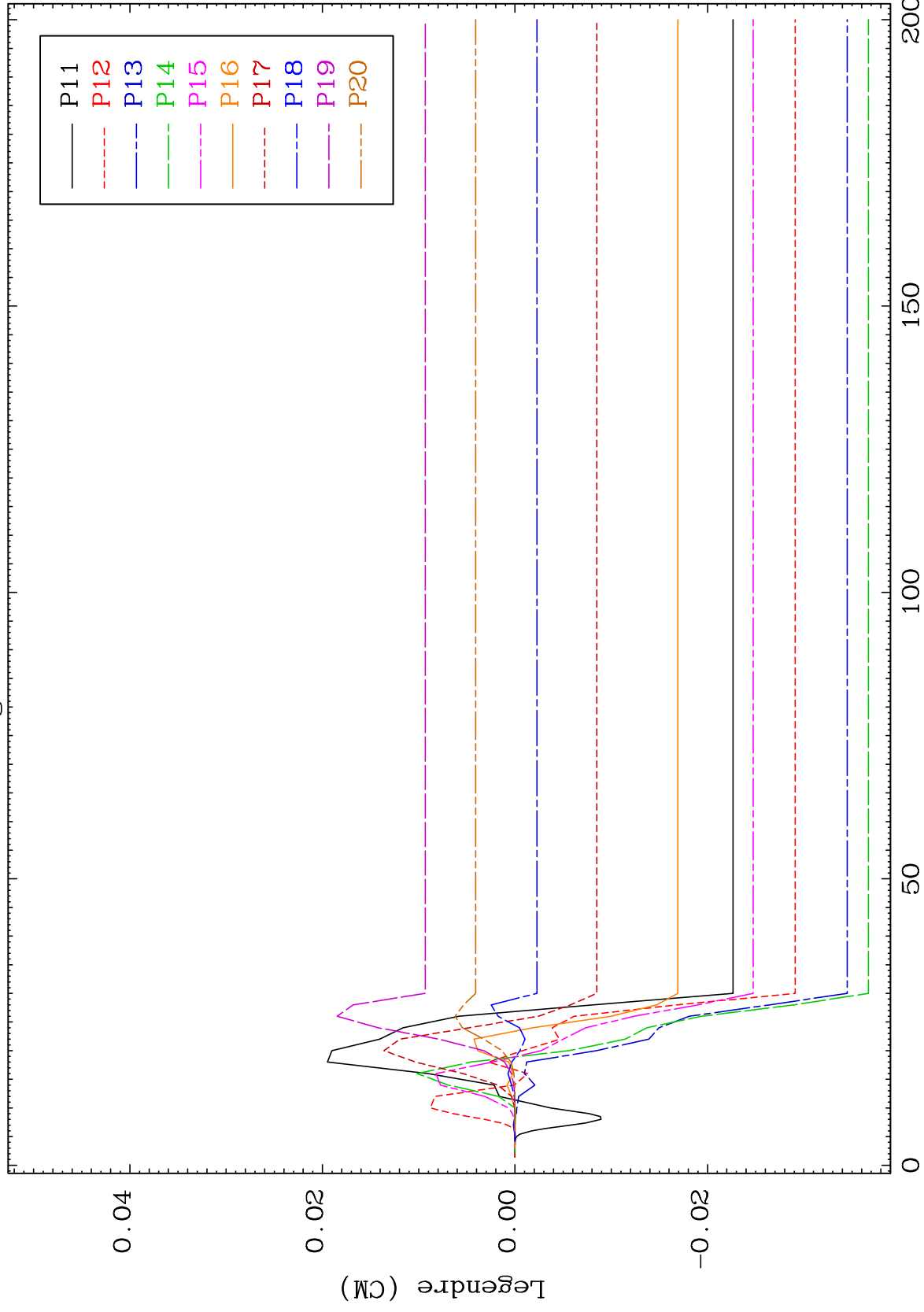




MAT 7931

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

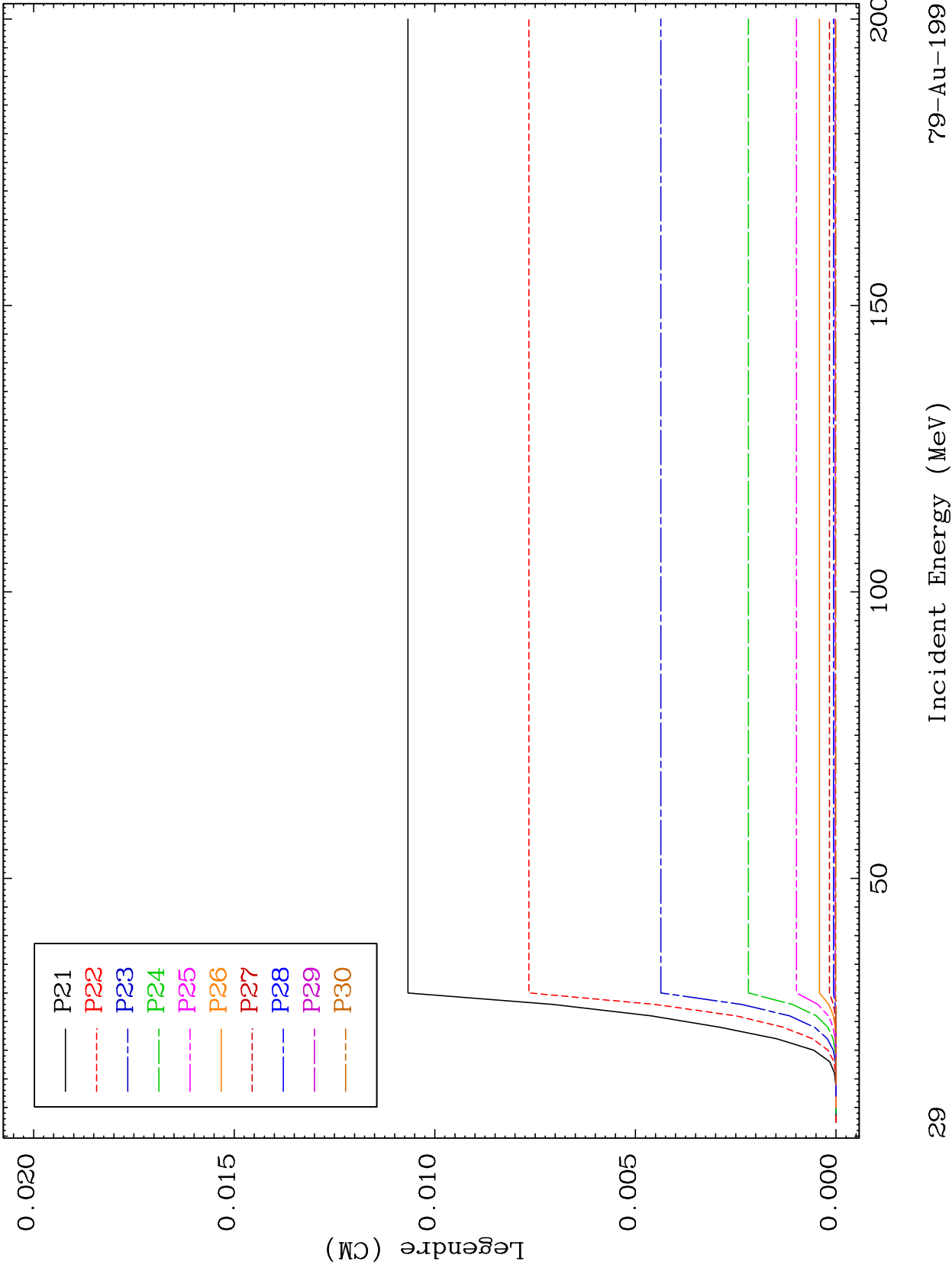
79-Au-199



28

Incident Energy (MeV)

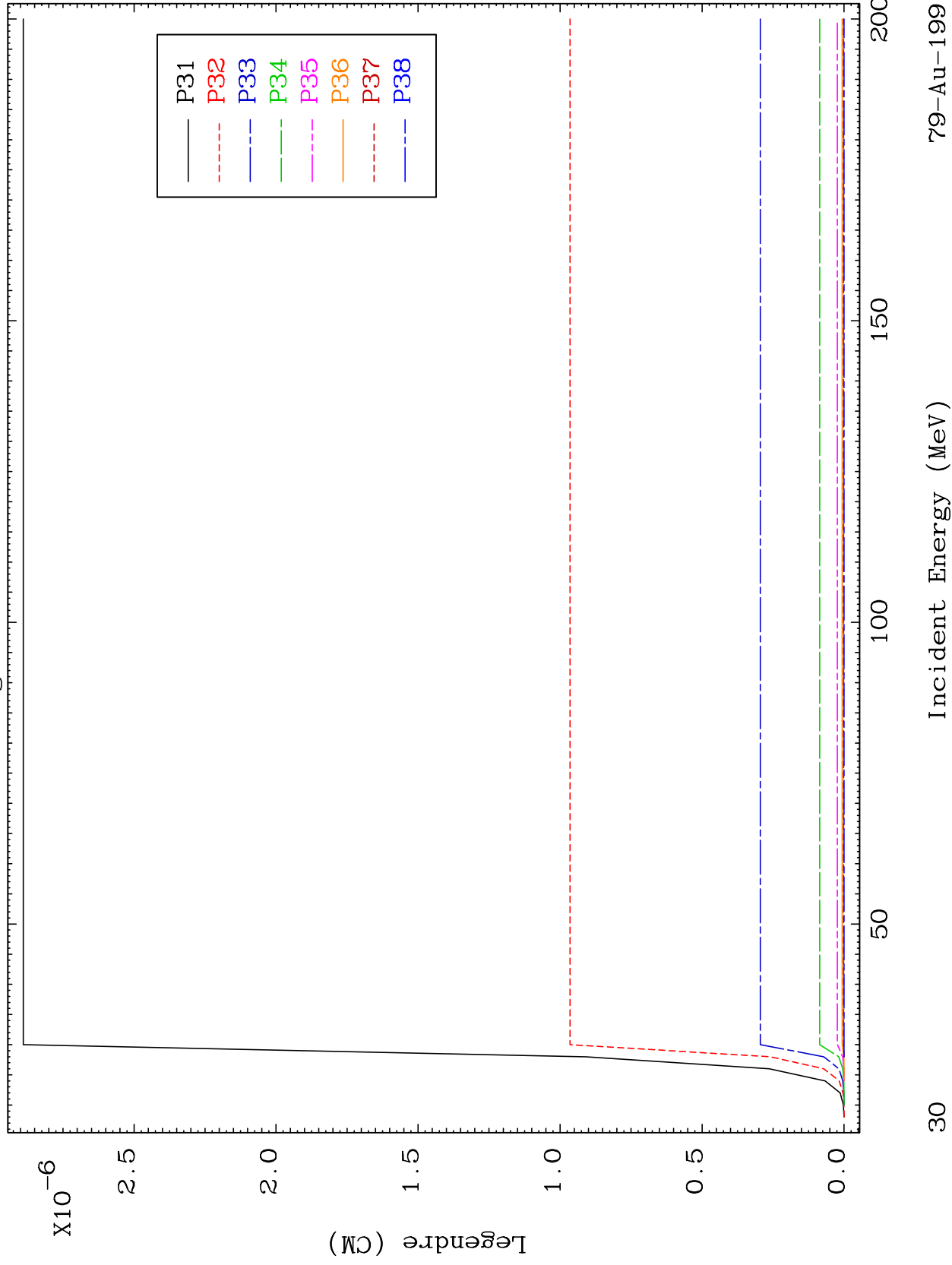
79-Au-199



MAT 7931

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

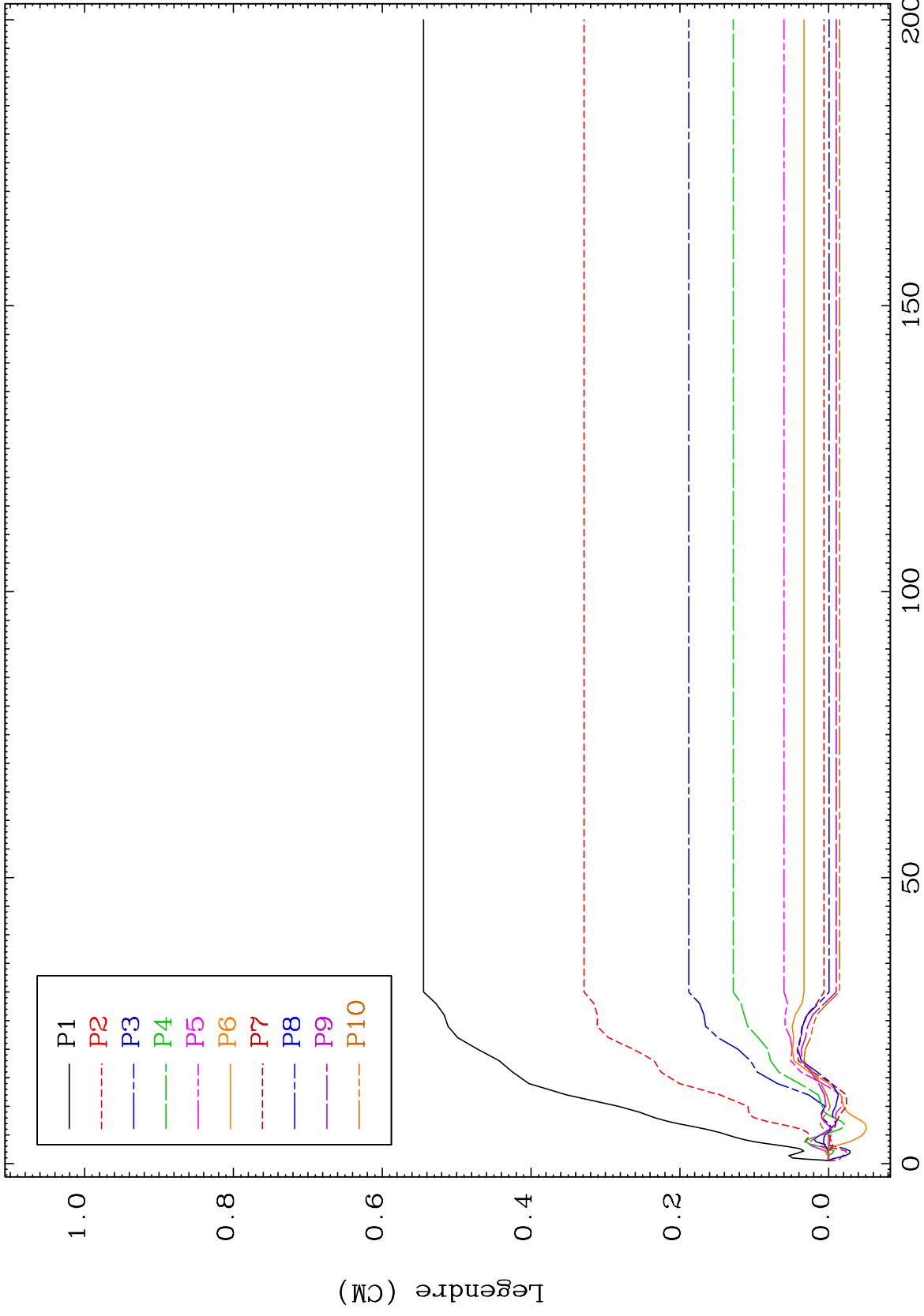
79-Au-199



79-Au-199

Incident Energy (MeV)

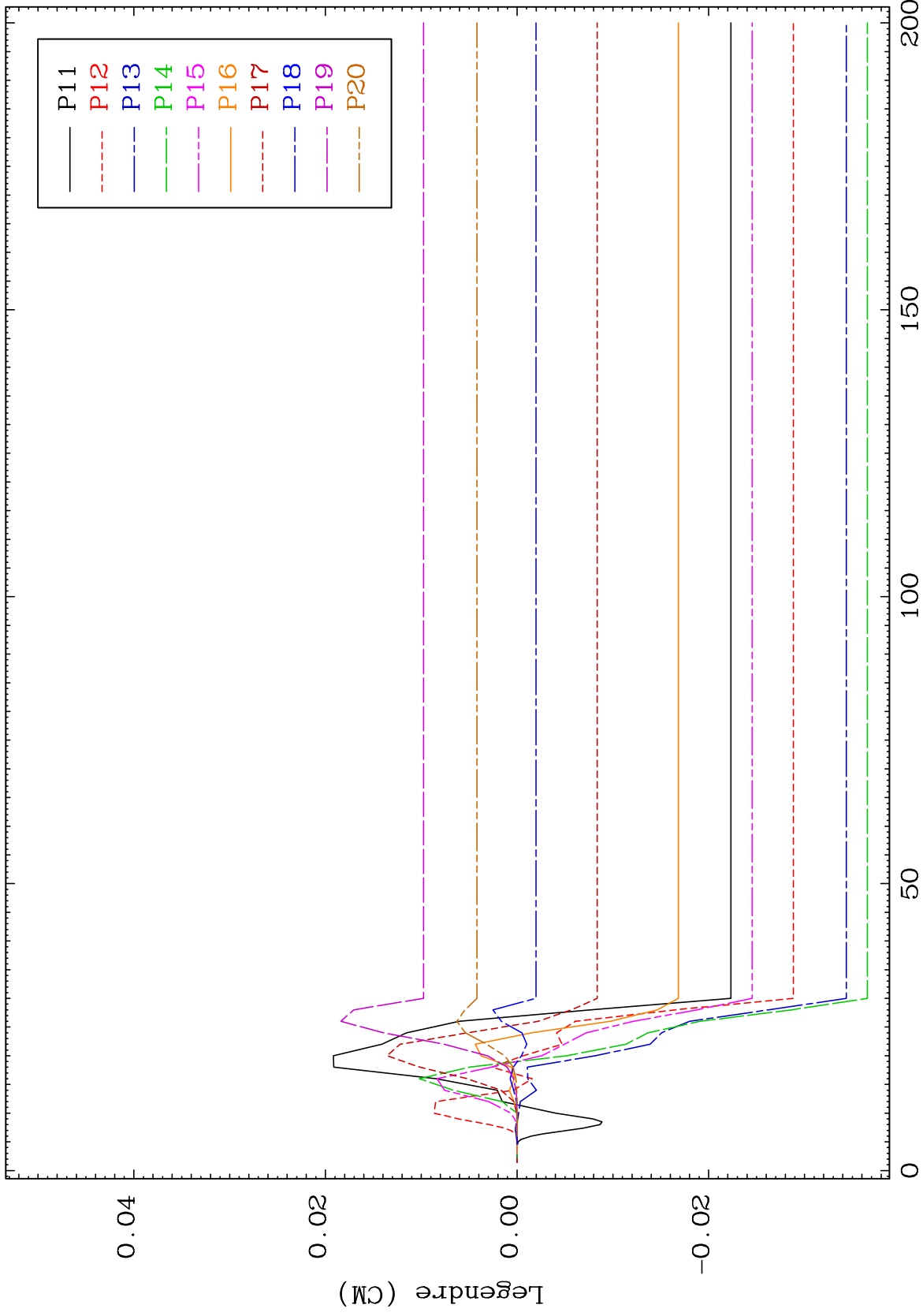
30



MAT 7931

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

79-Au-199



32

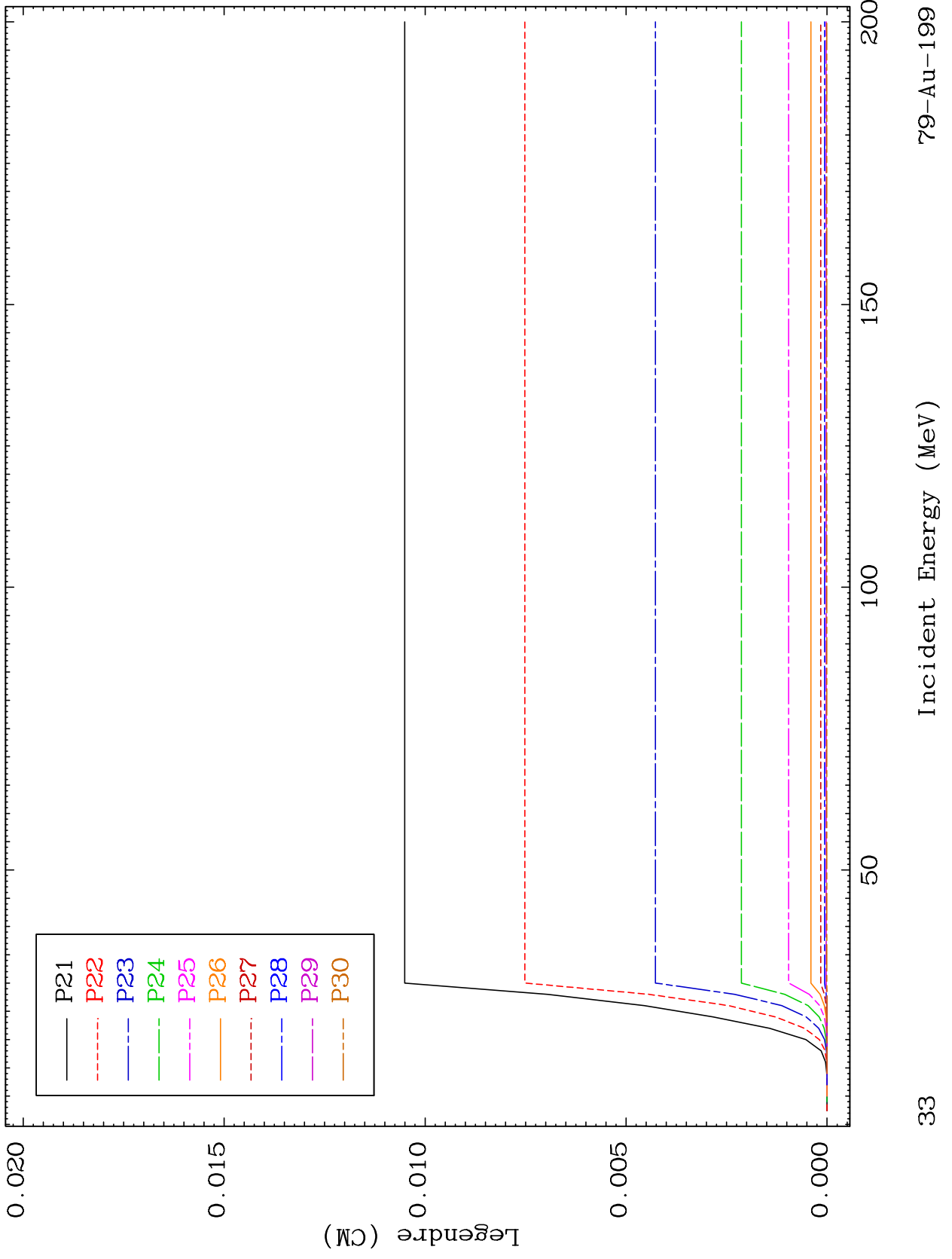
Incident Energy (MeV)

79-Au-199

MAT 7931

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

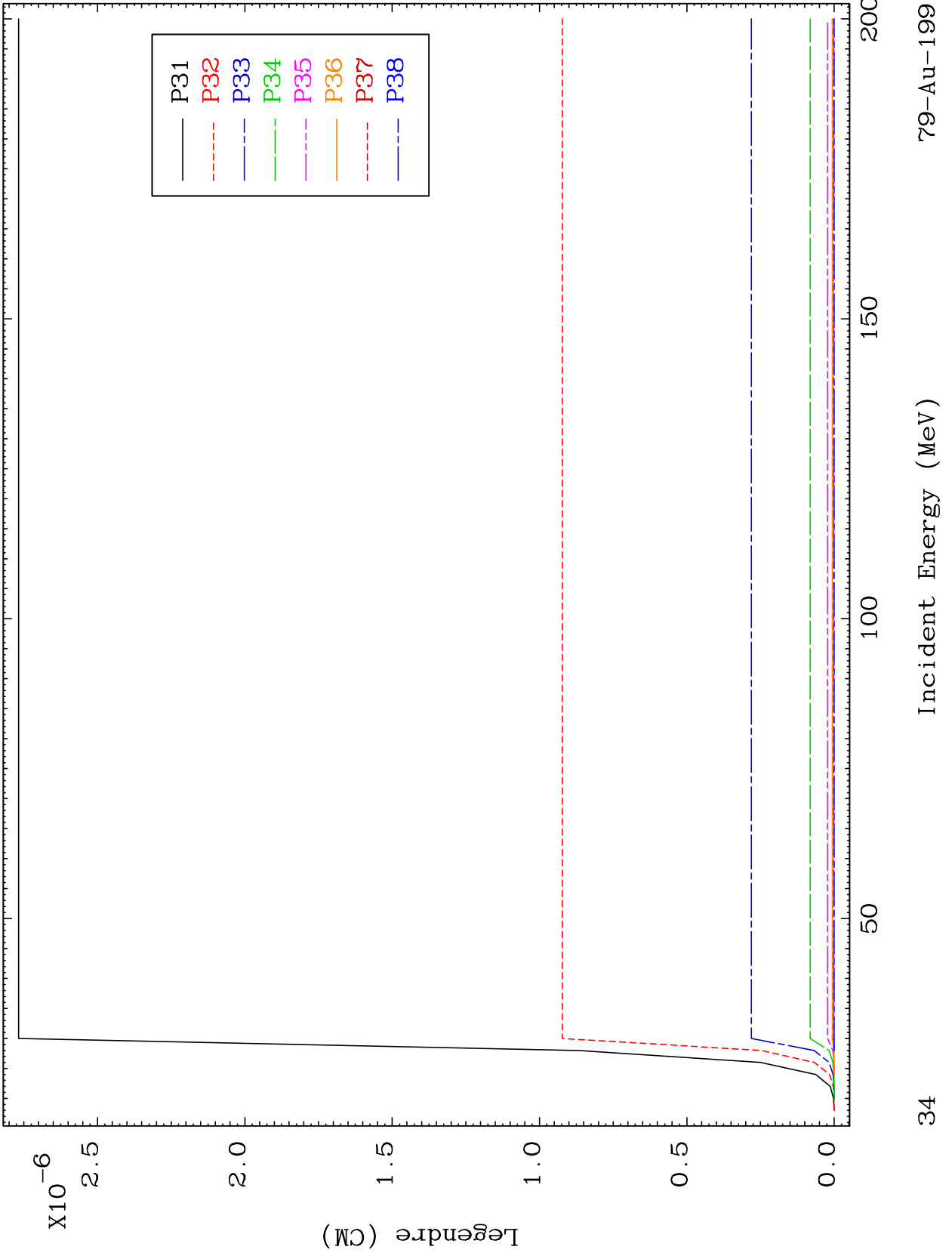
79-Au-199



MAT 7931

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

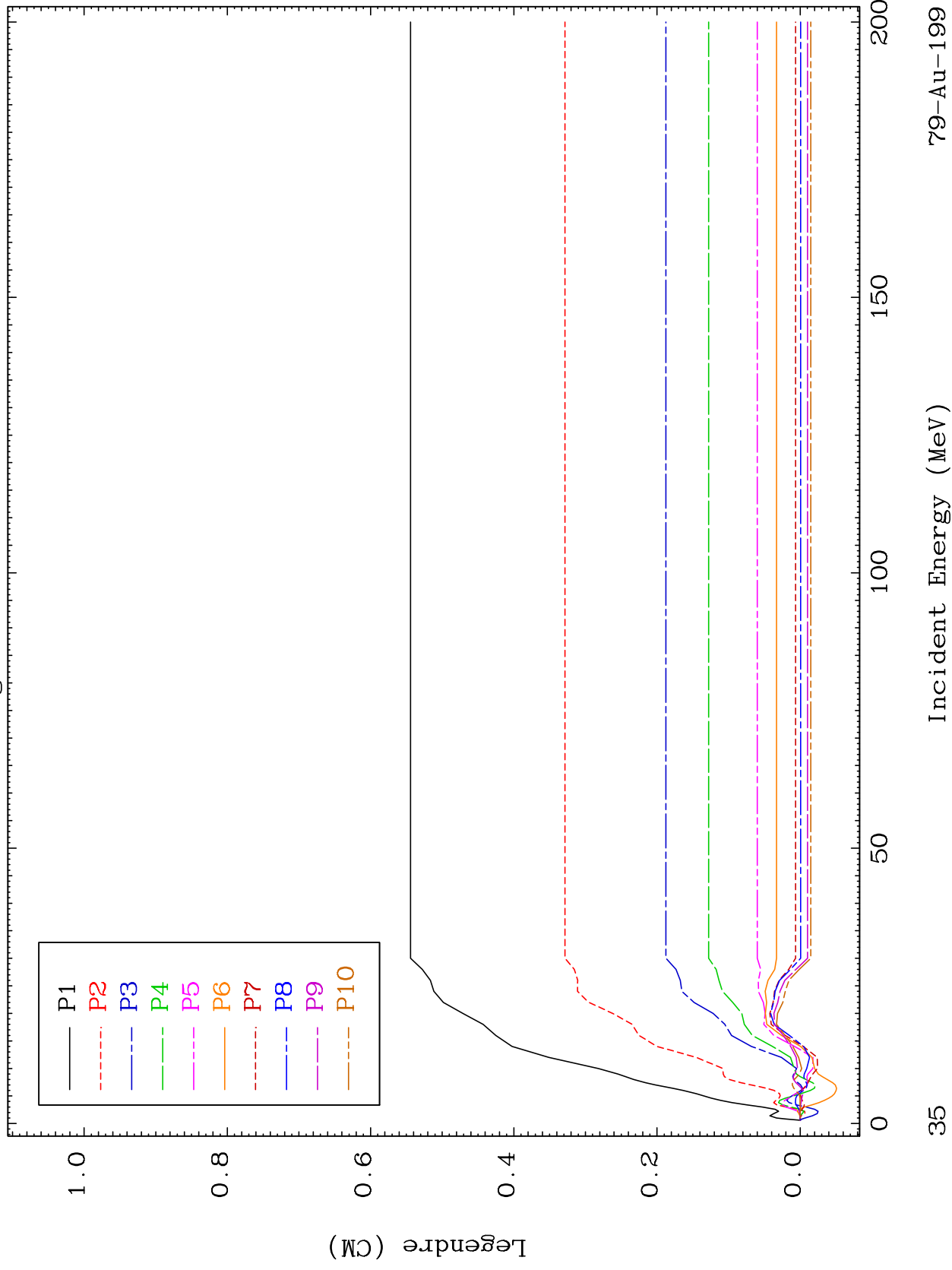
79-Au-199



MAT 7931

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

79-Au-199



35

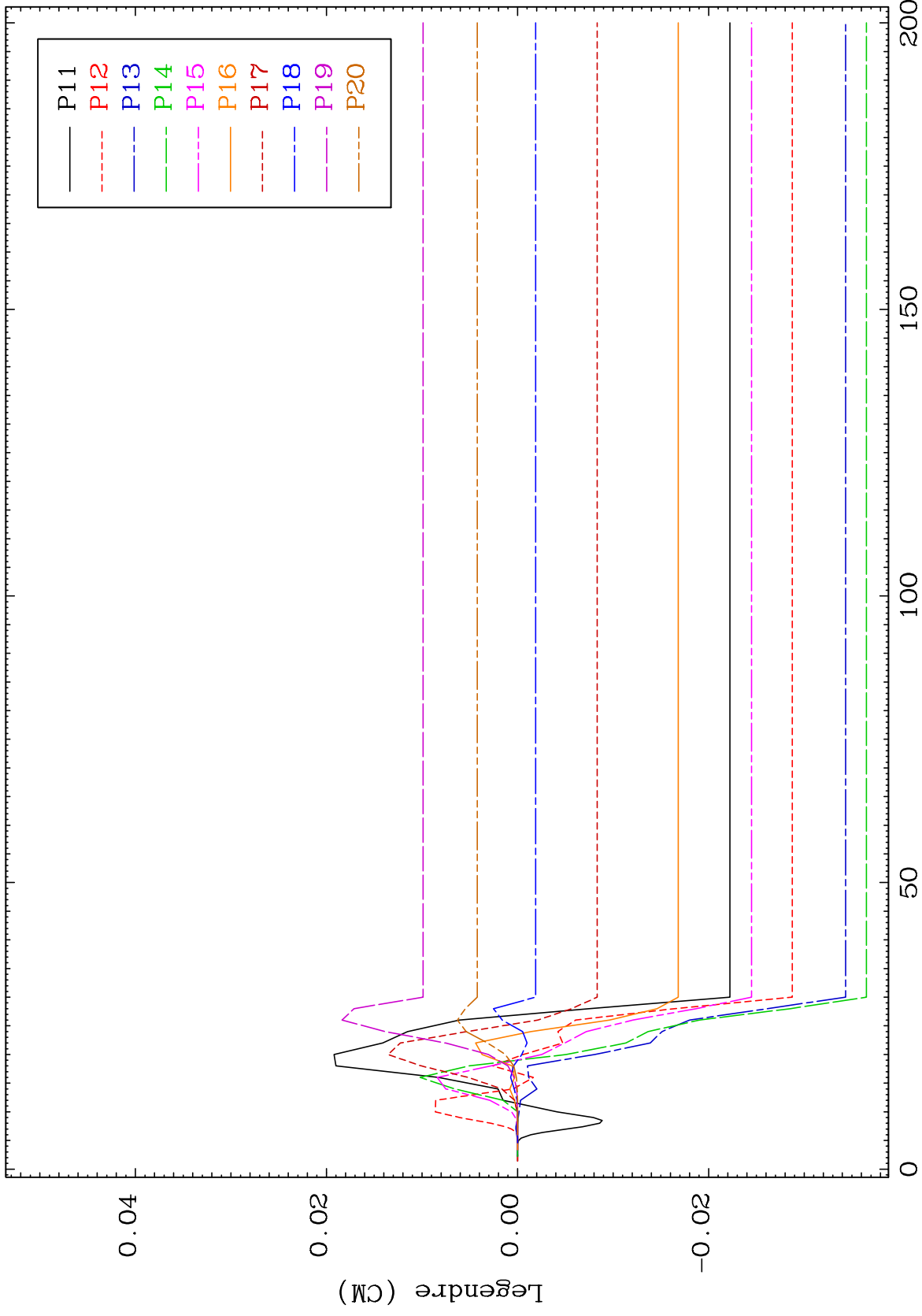
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



36

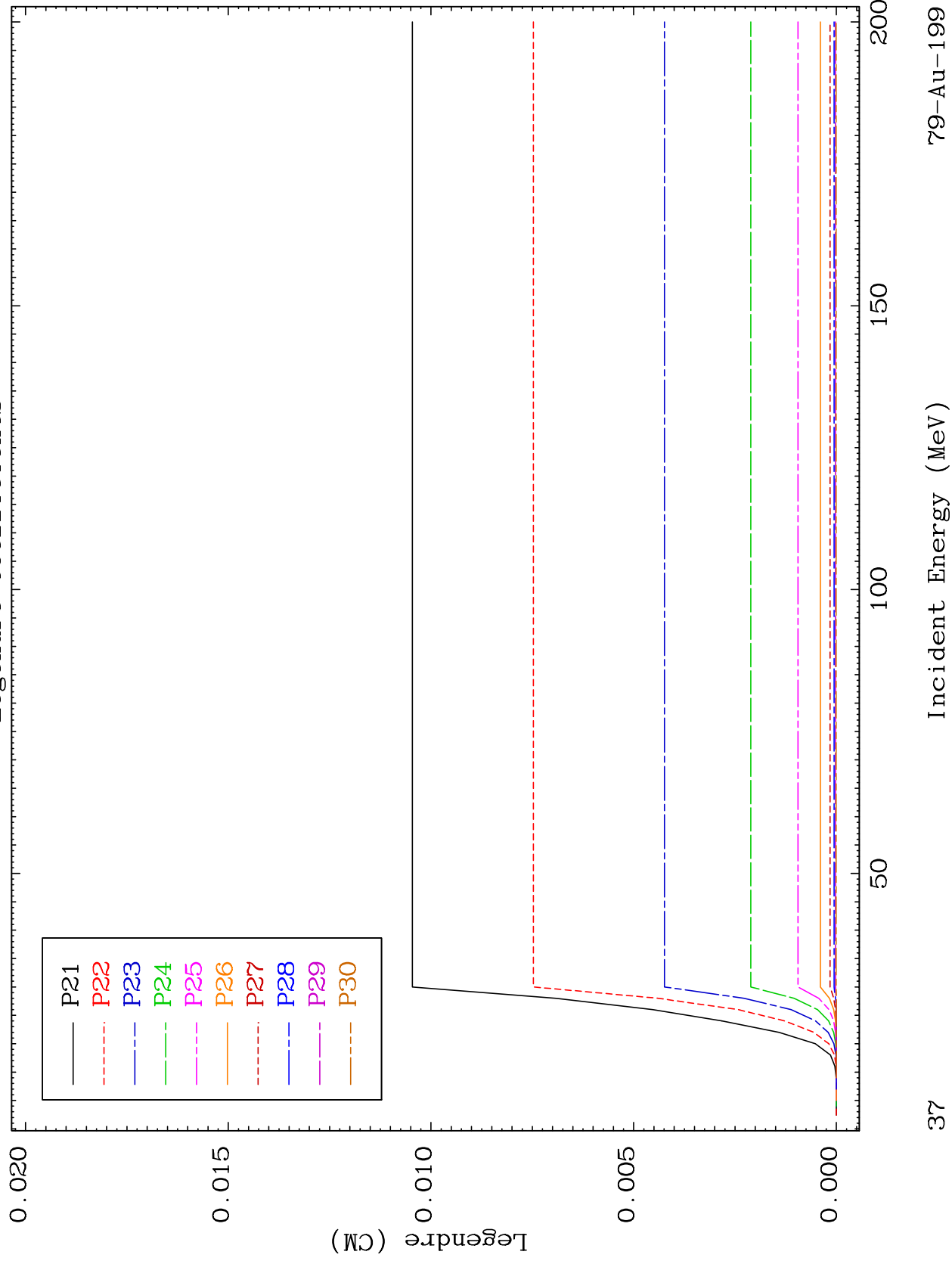
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



37

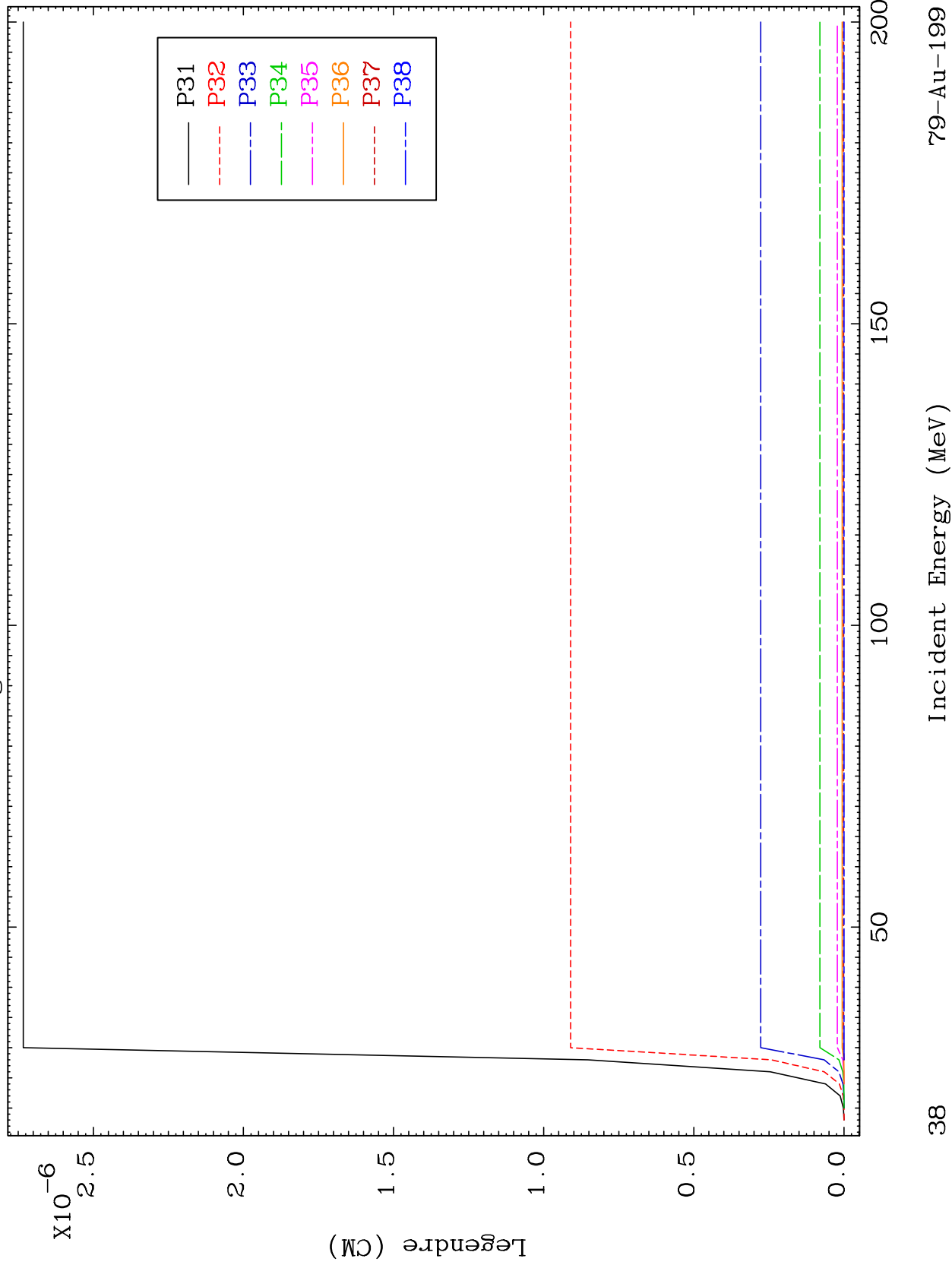
Incident Energy (MeV)

79-Au-199

MAT 7931

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

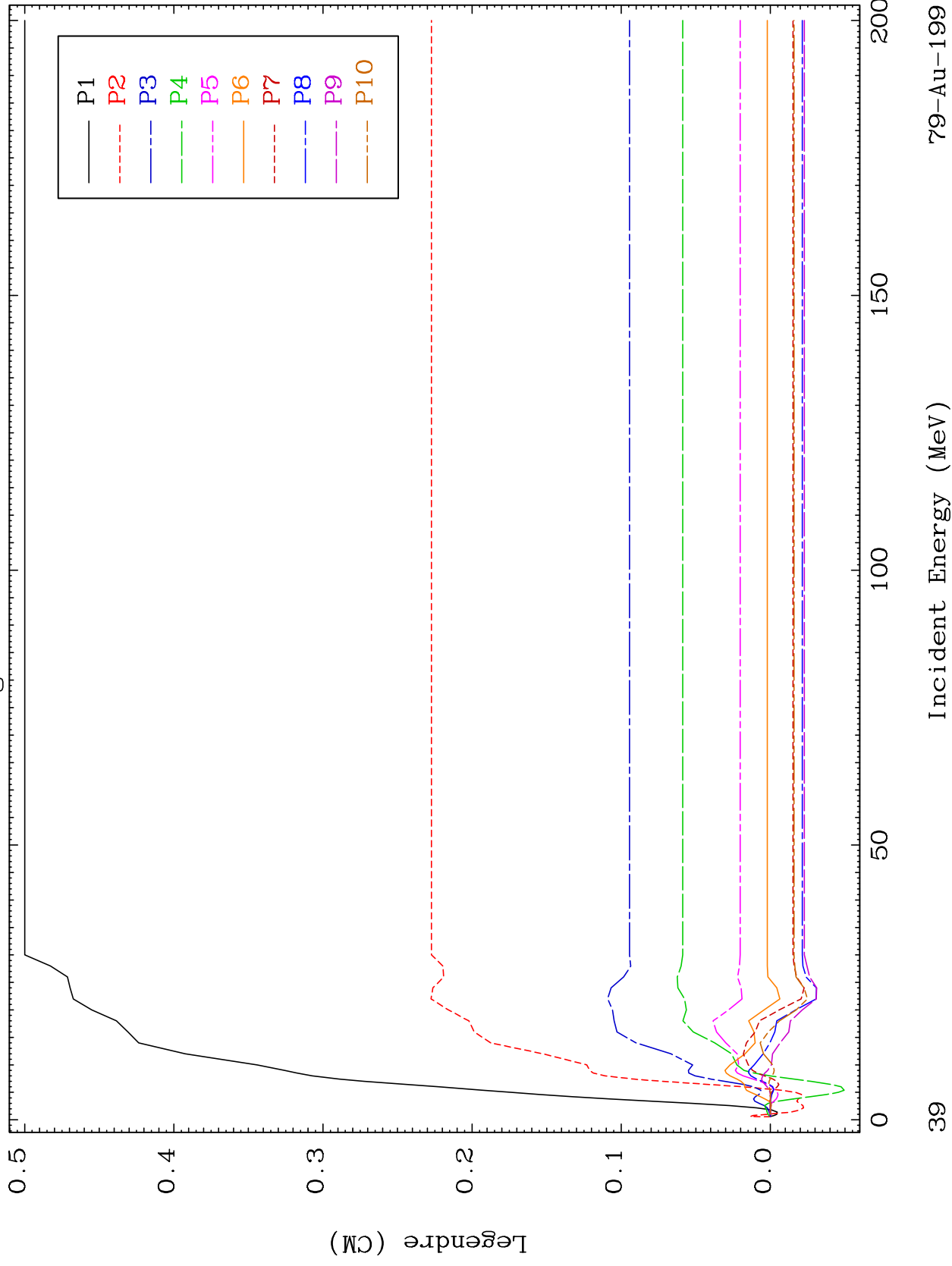
79-Au-199



MAT 7931

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

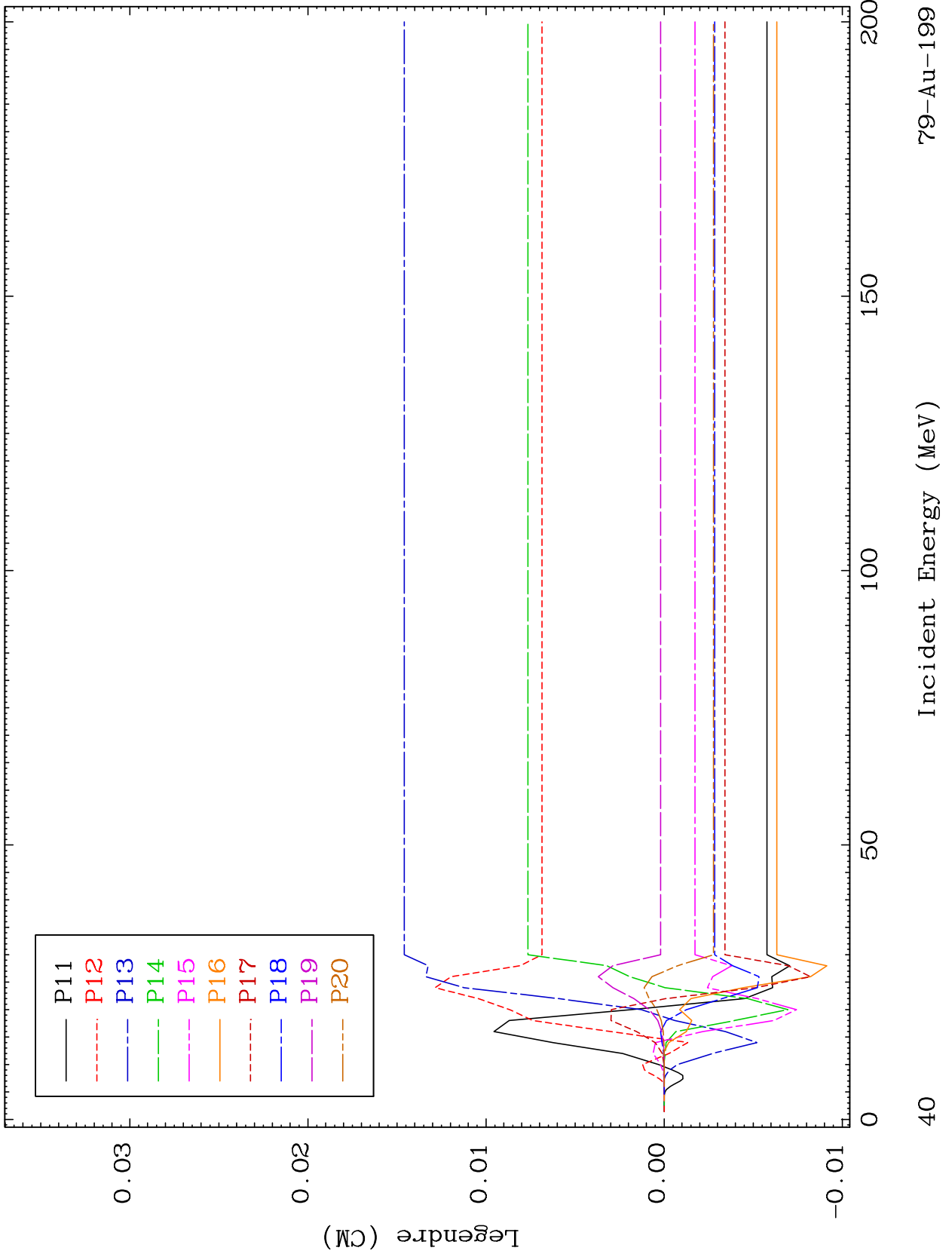
79-Au-199



MAT 7931

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

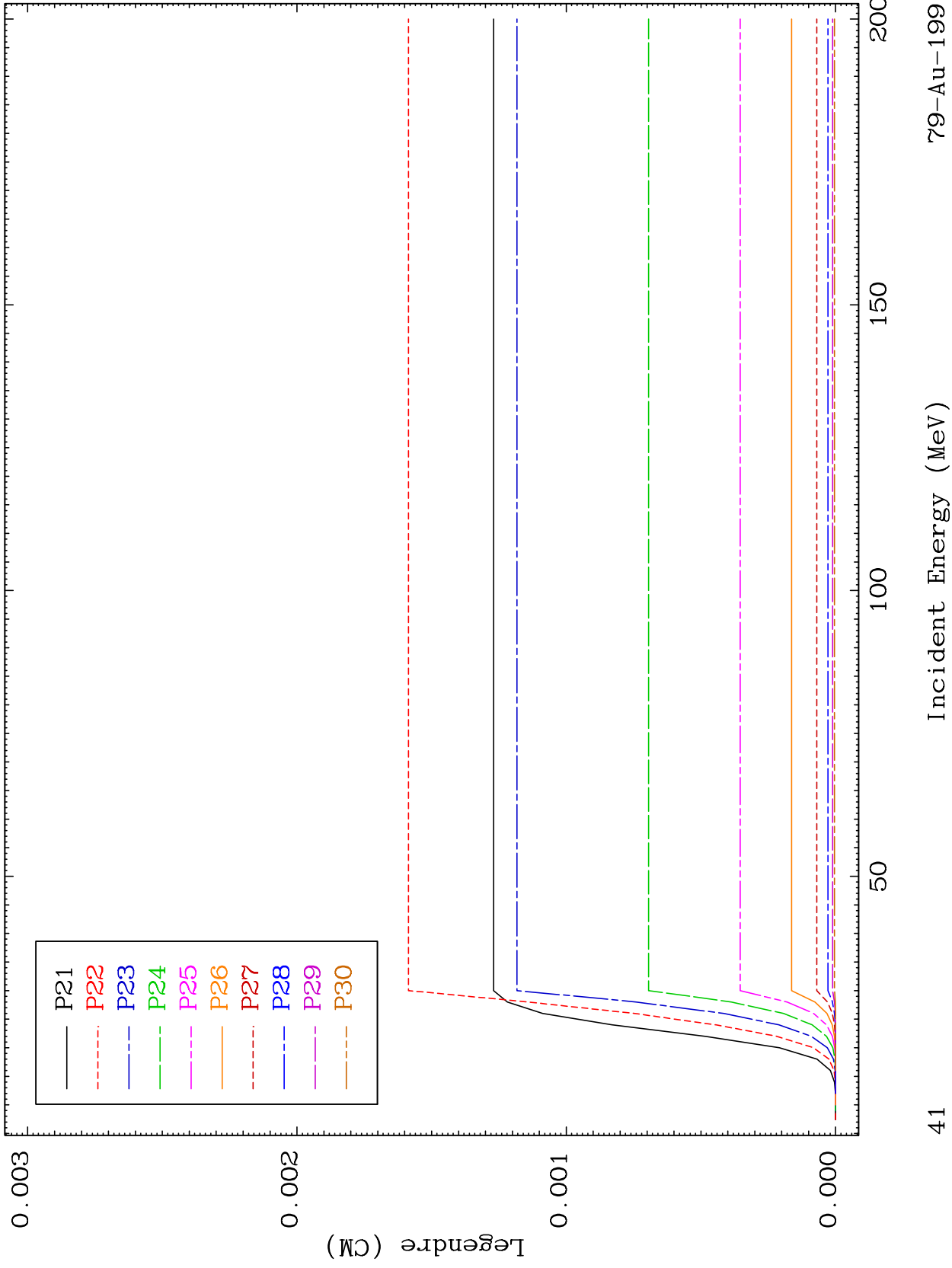
79-Au-199



MAT 7931

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

79-Au-199



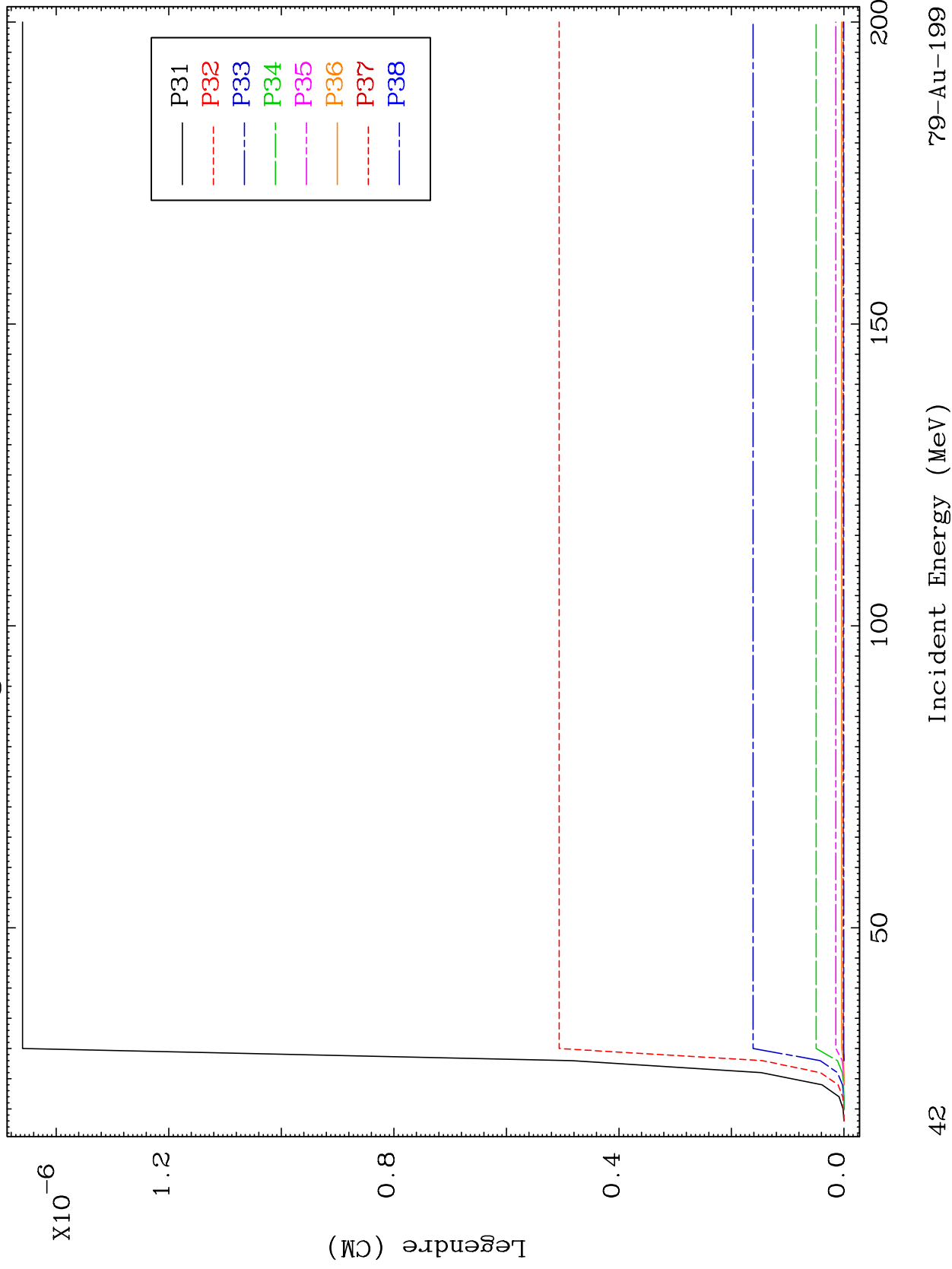
41

79-Au-199

MAT 7931

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

79-Au-199



42

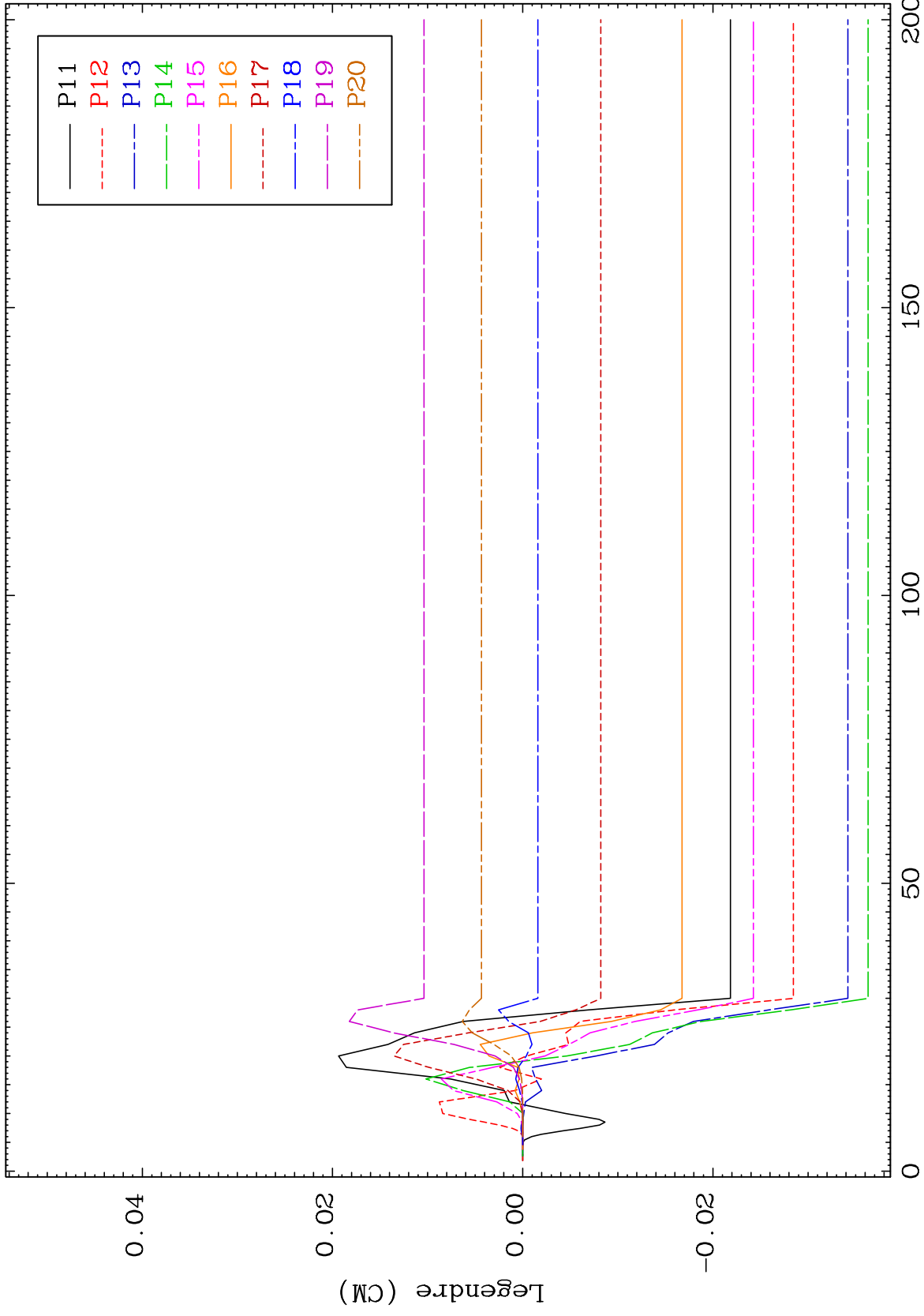
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



44

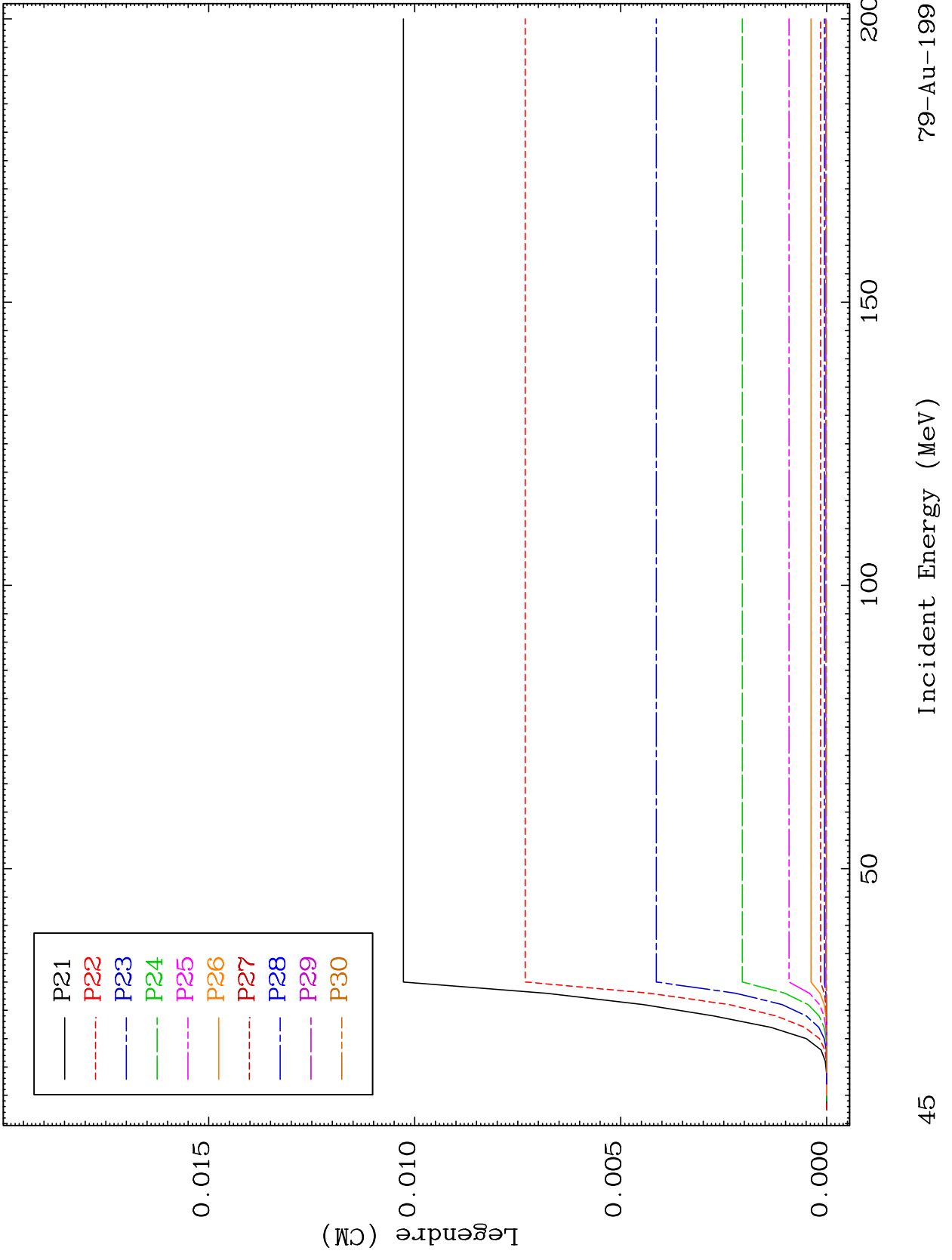
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



45

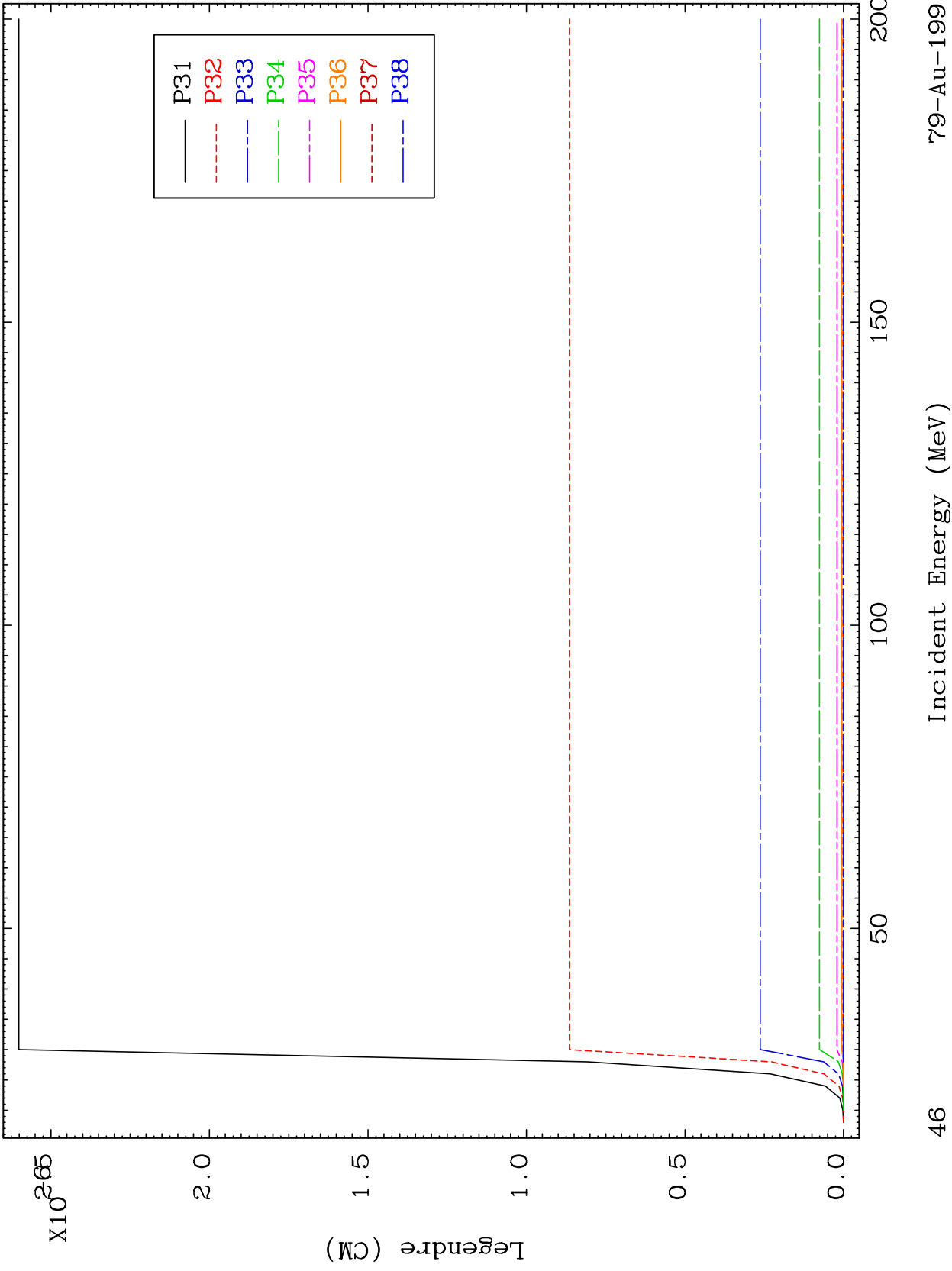
Incident Energy (MeV)

79-Au-199

MAT 7931

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

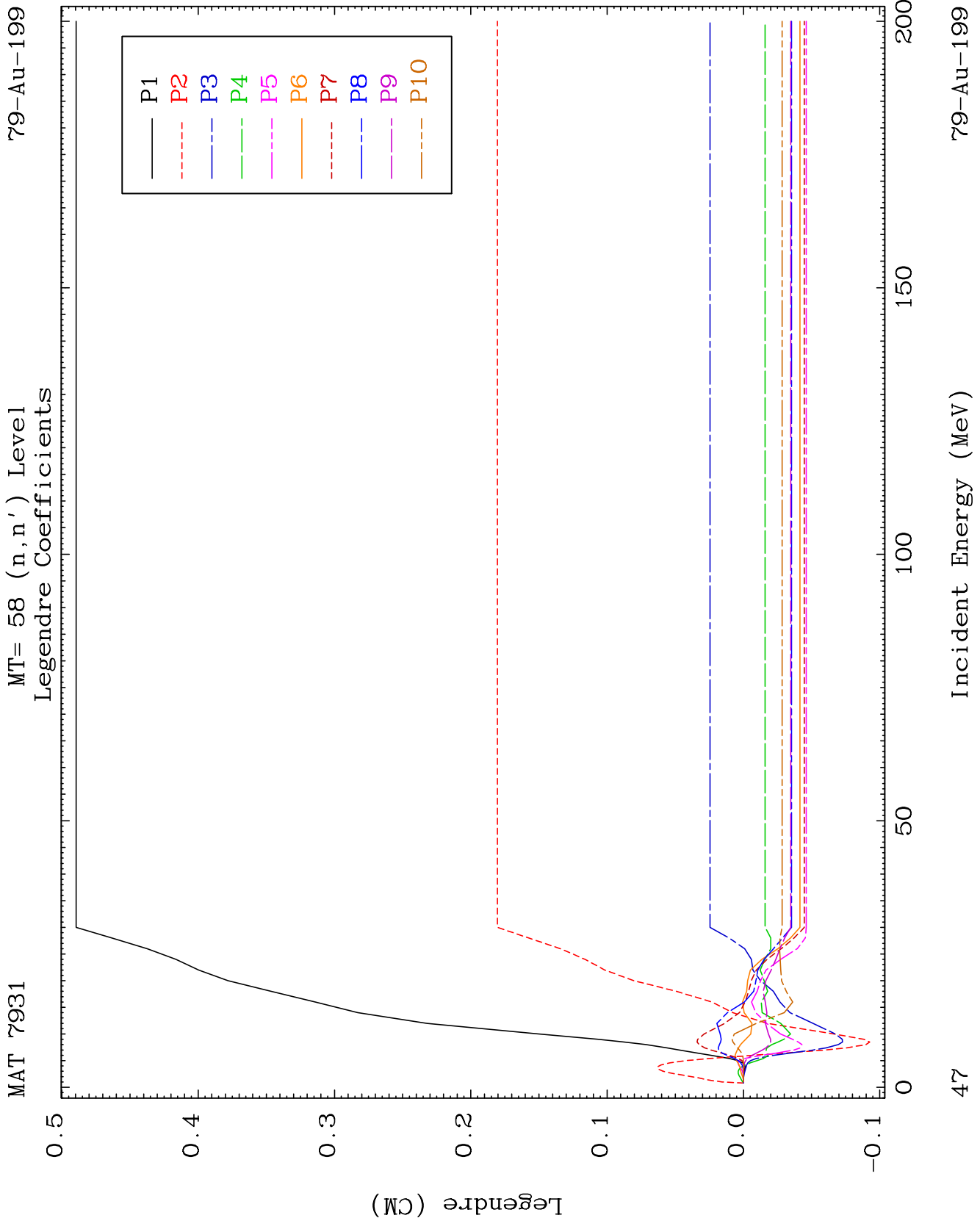
79-Au-199



46

Incident Energy (MeV)

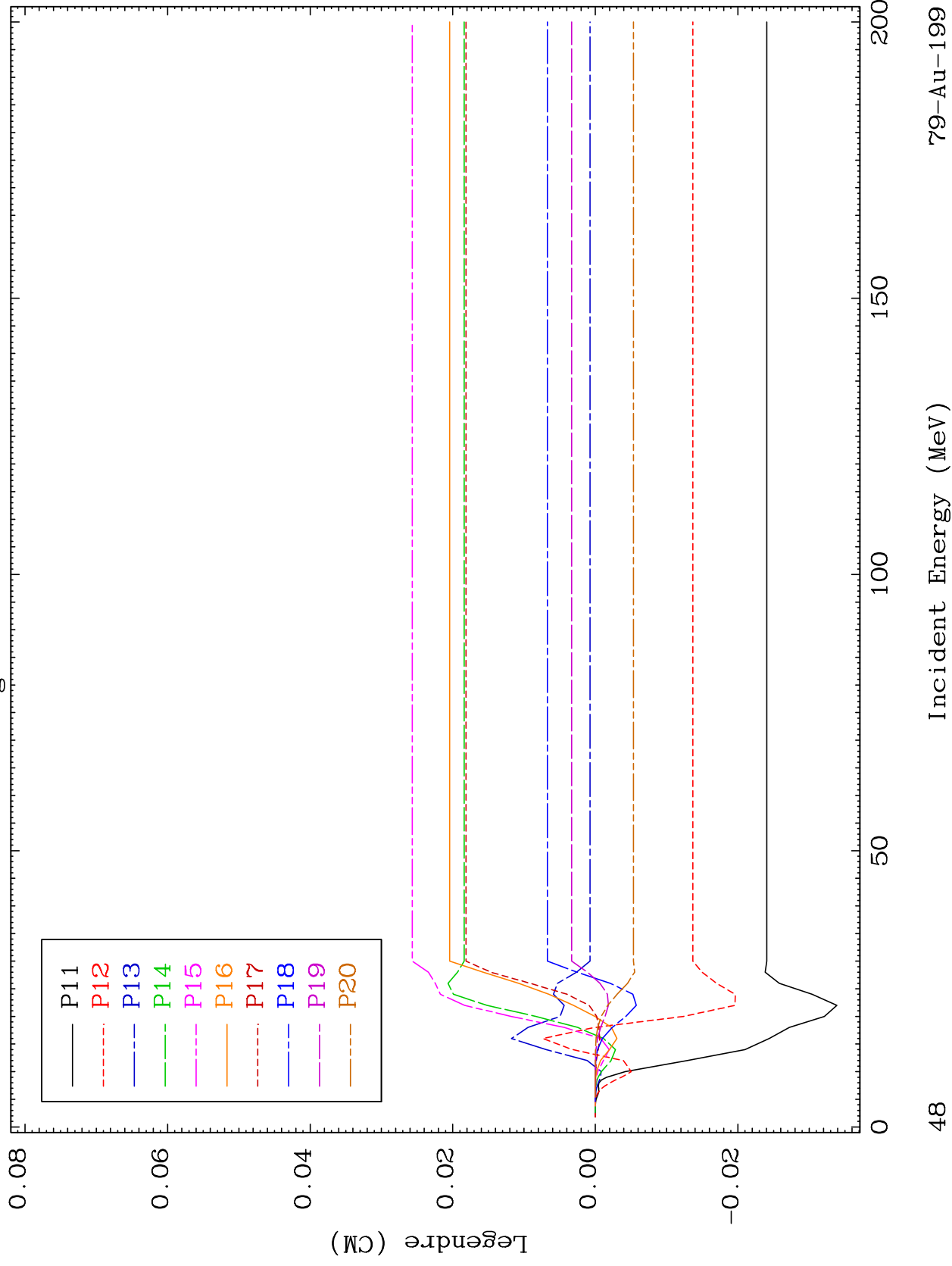
79-Au-199



MAT 7931

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

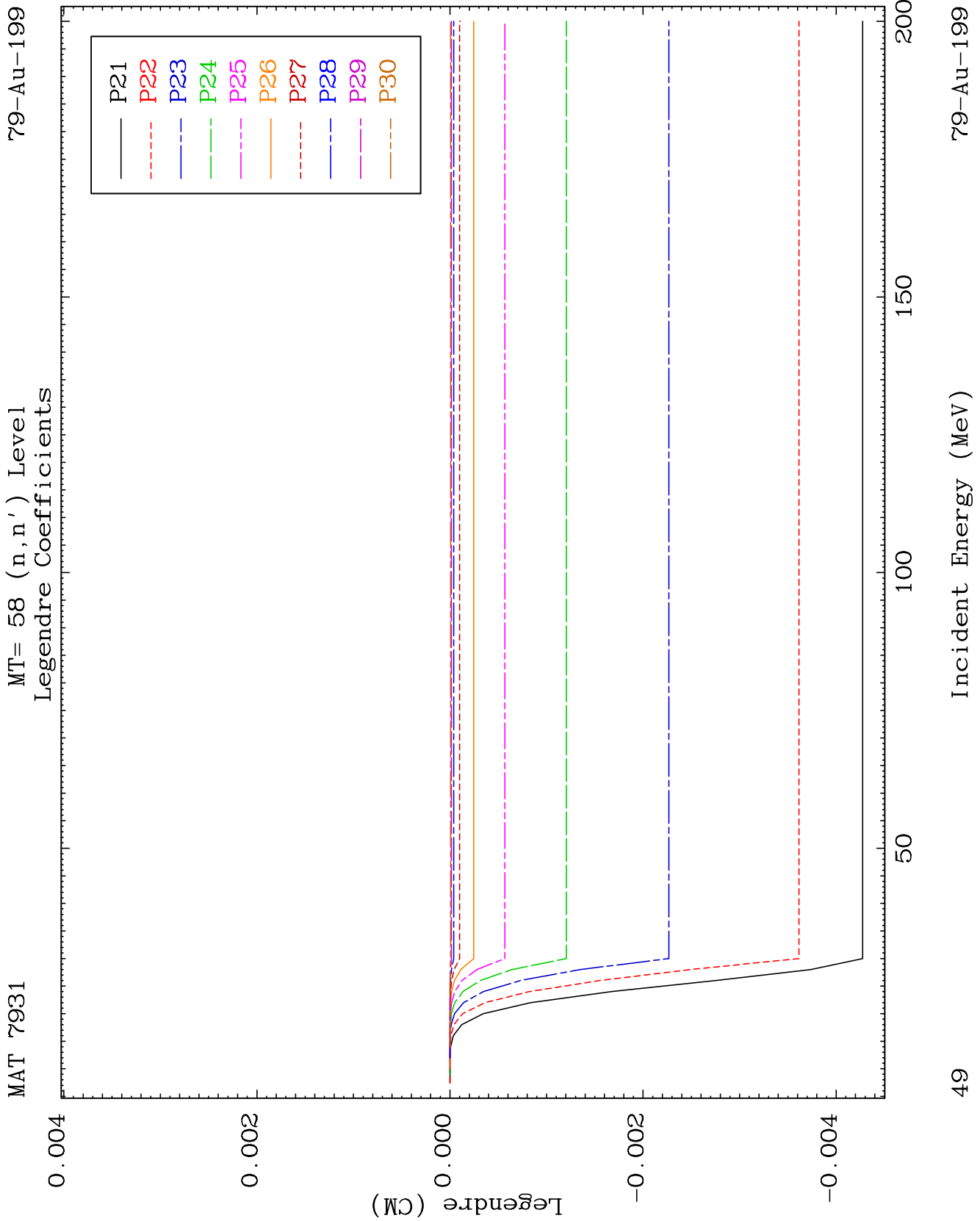
79-Au-199

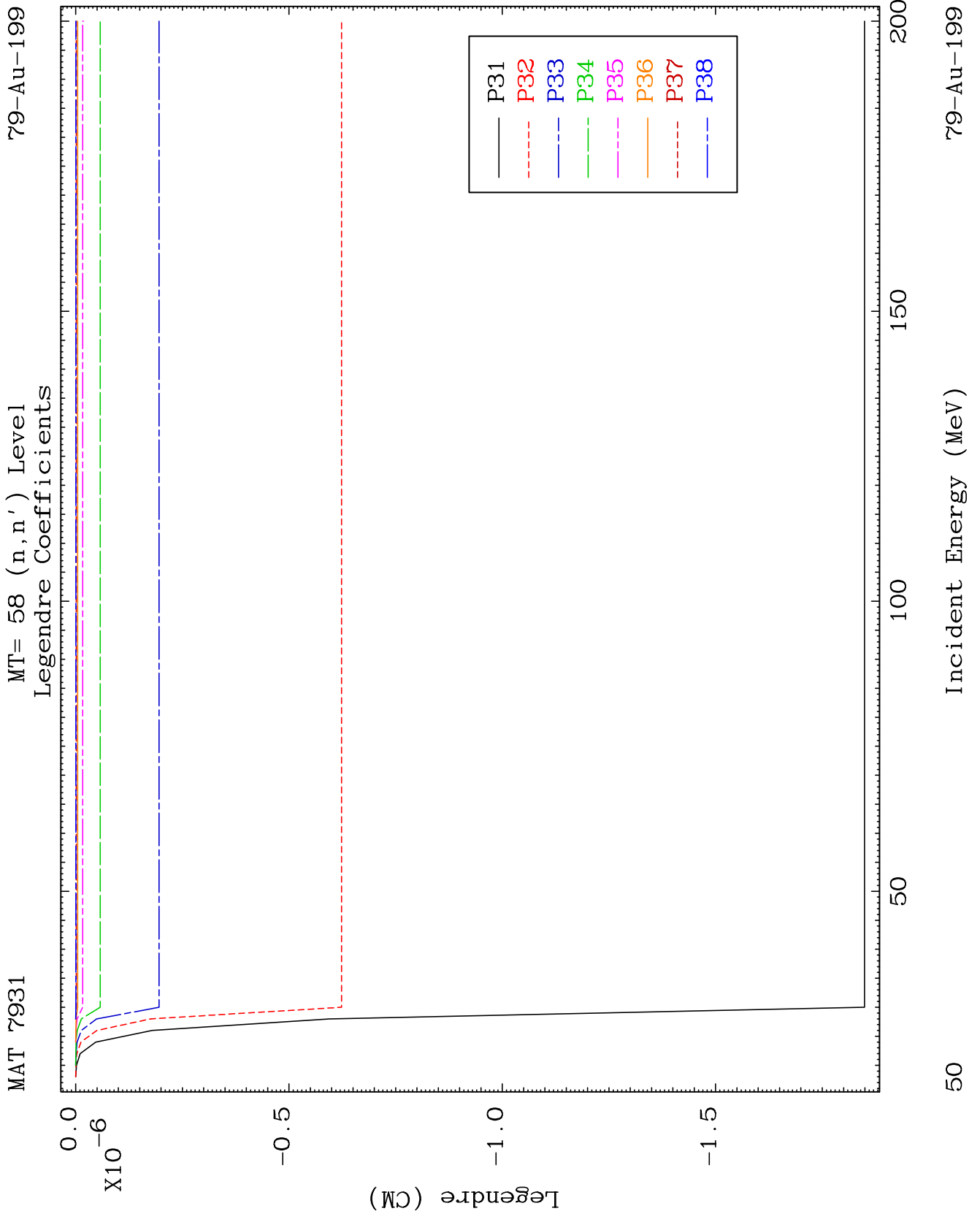


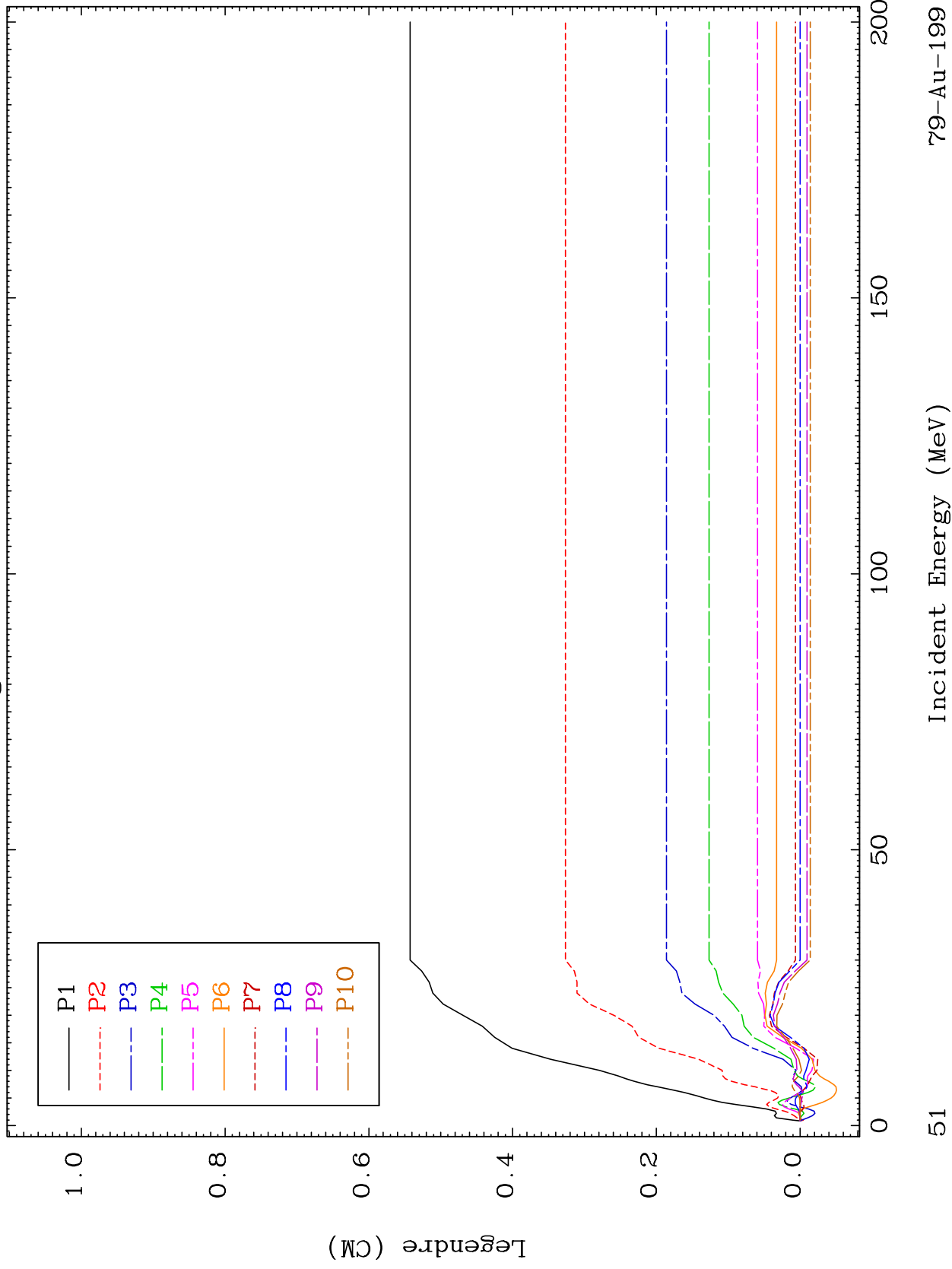
79-Au-199

Incident Energy (MeV)

48



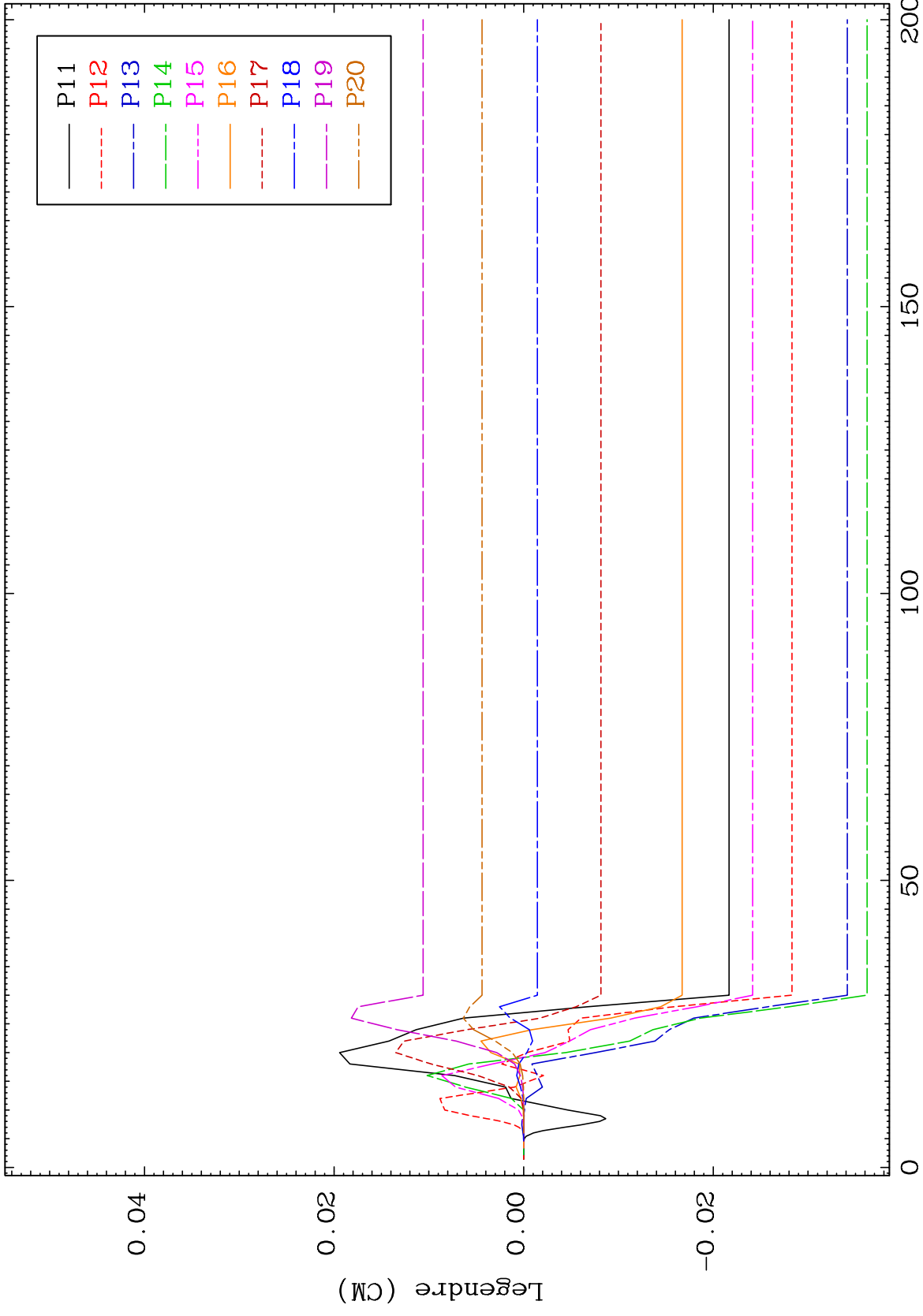




MAT 7931

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

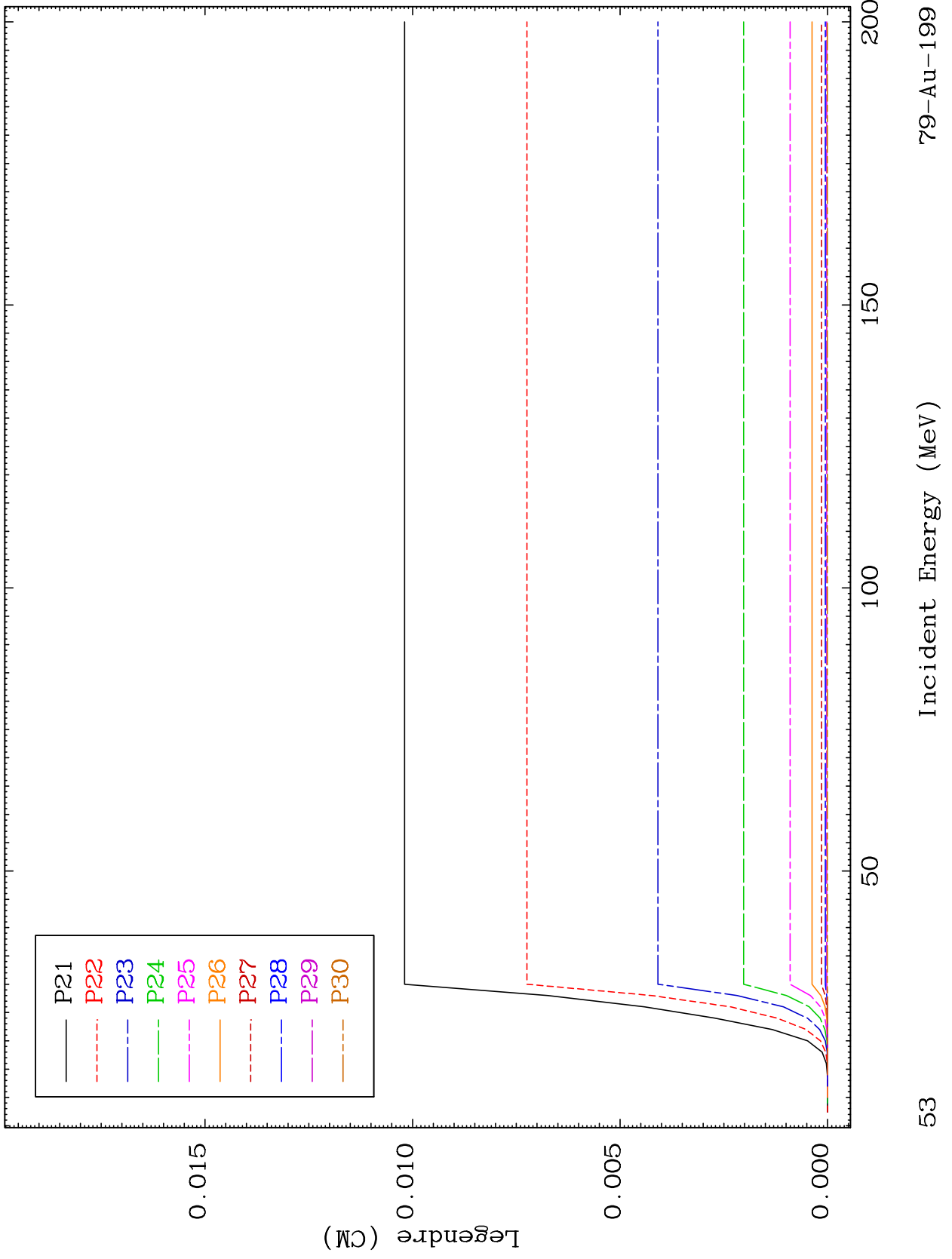
79-Au-199



52

Incident Energy (MeV)

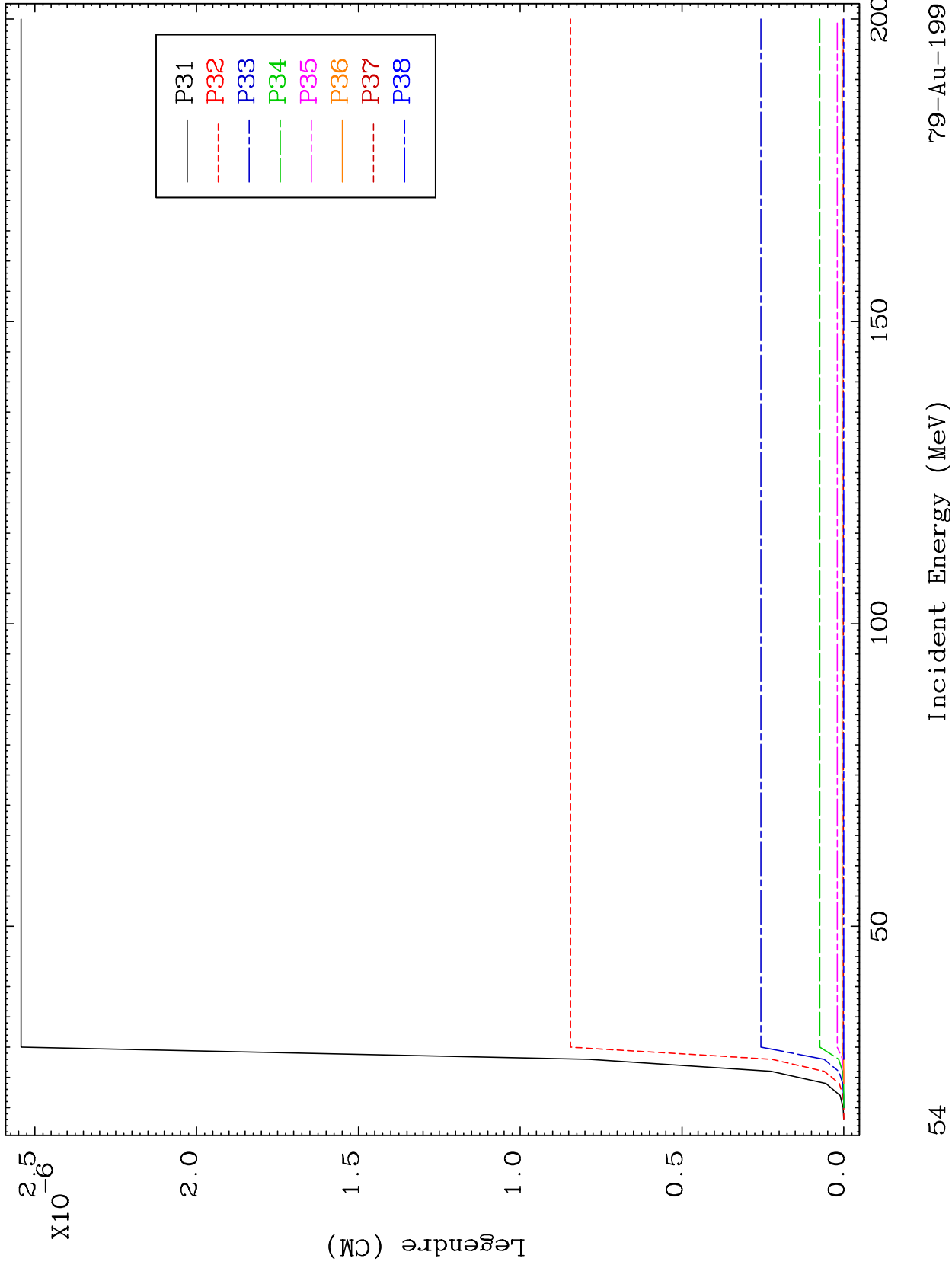
79-Au-199



MAT 7931

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

79-Au-199



79-Au-199

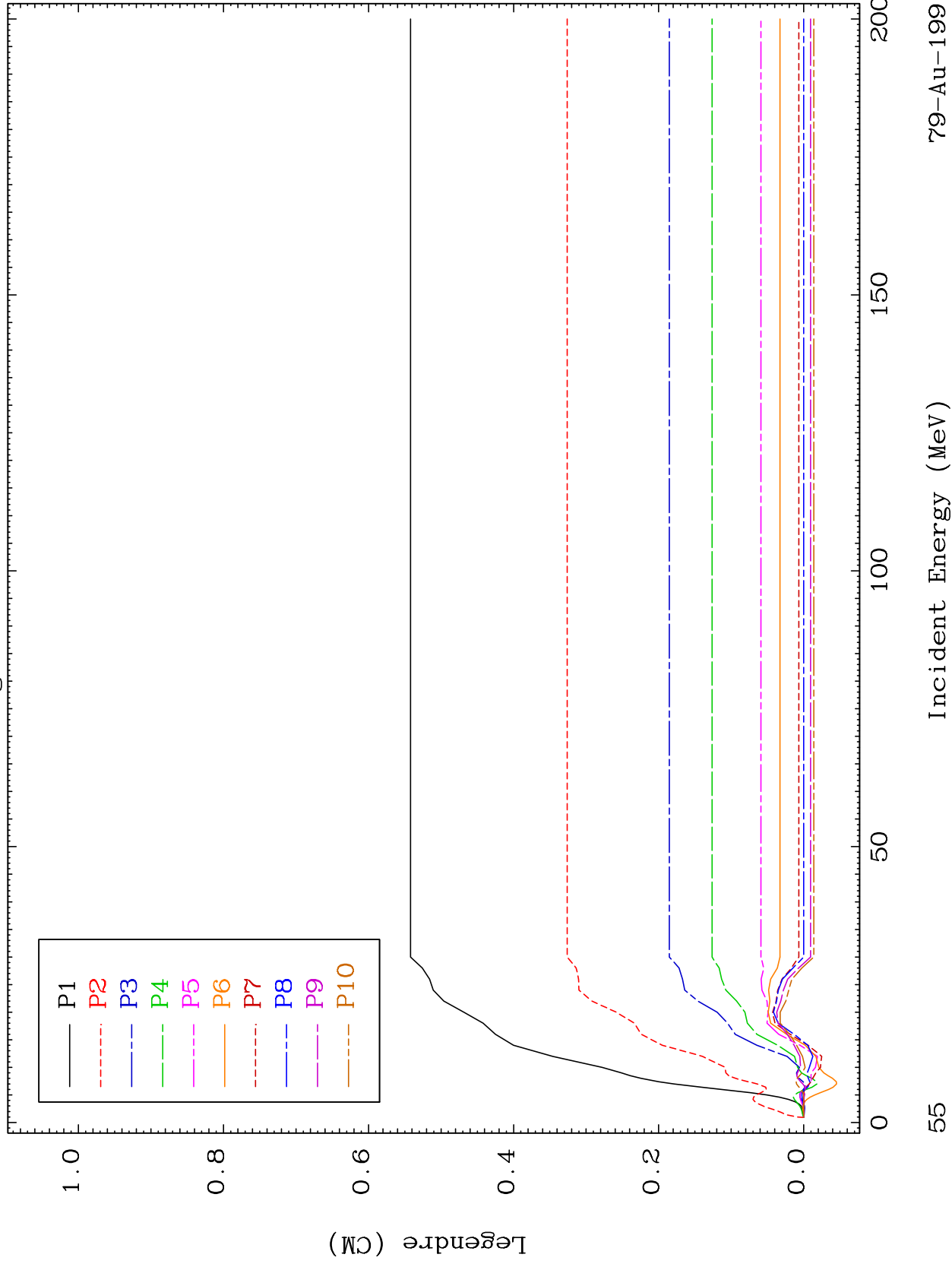
Incident Energy (MeV)

54

MAT 7931

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

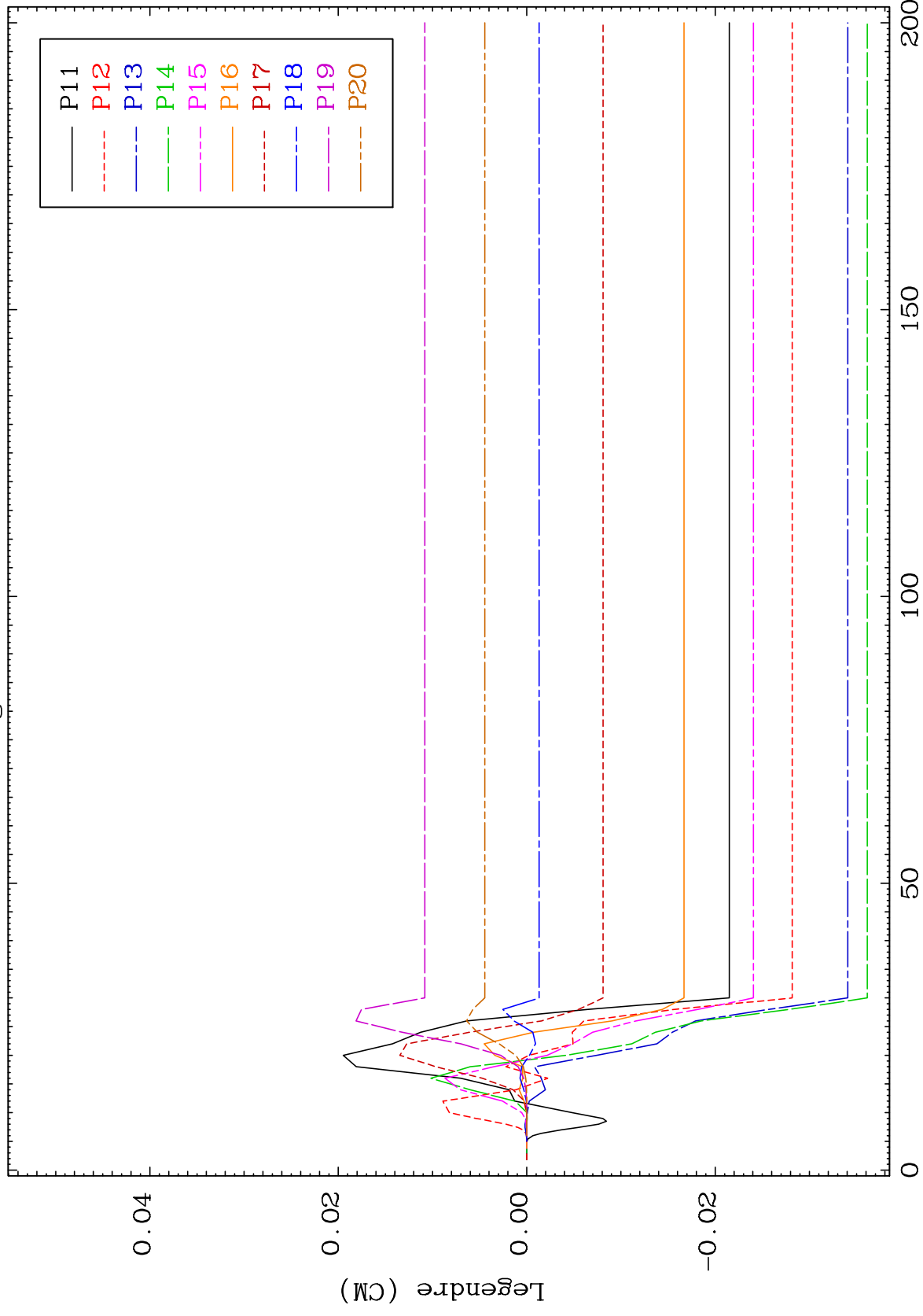
79-Au-199



MAT 7931

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

79-Au-199



56

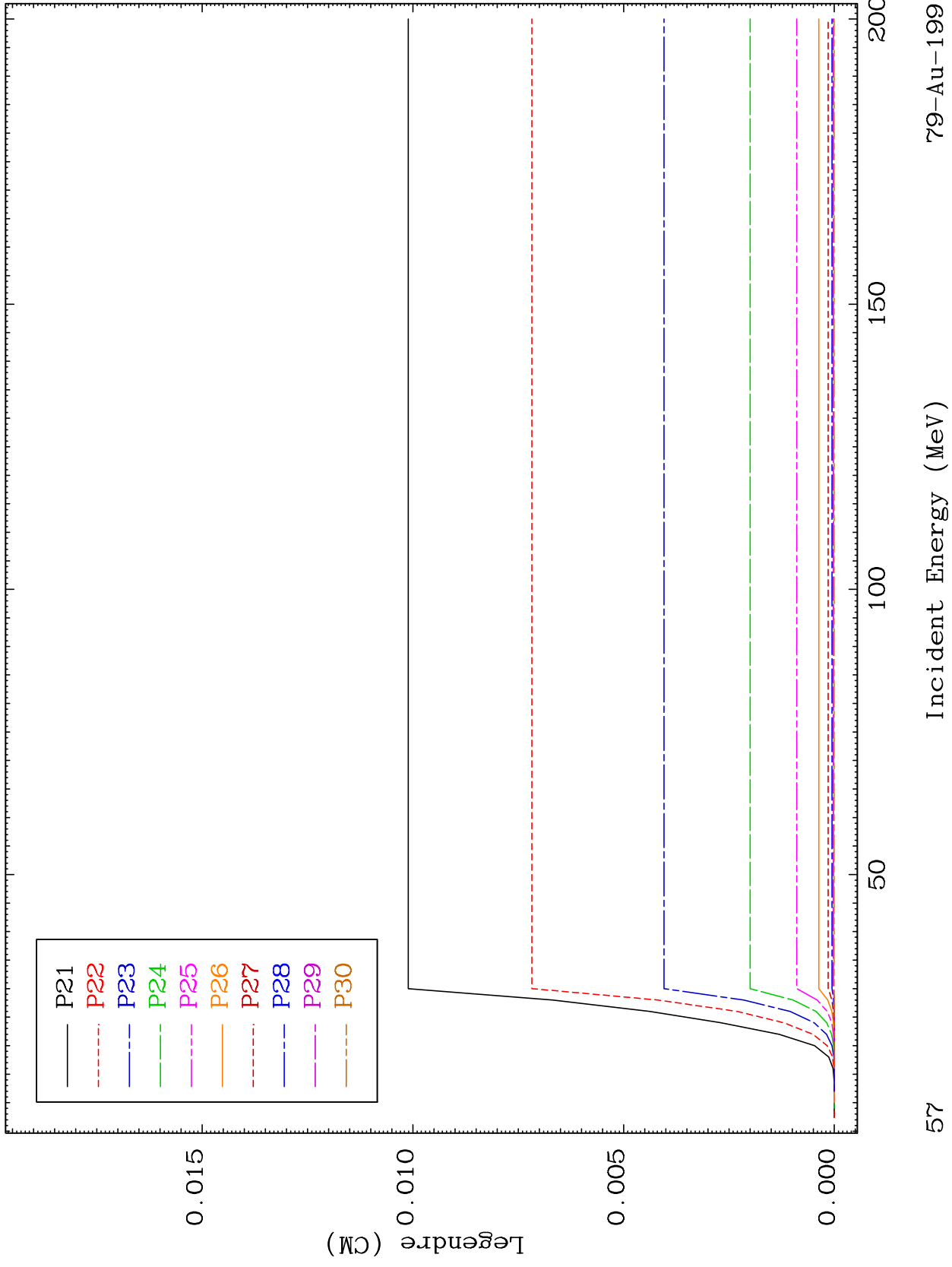
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



57

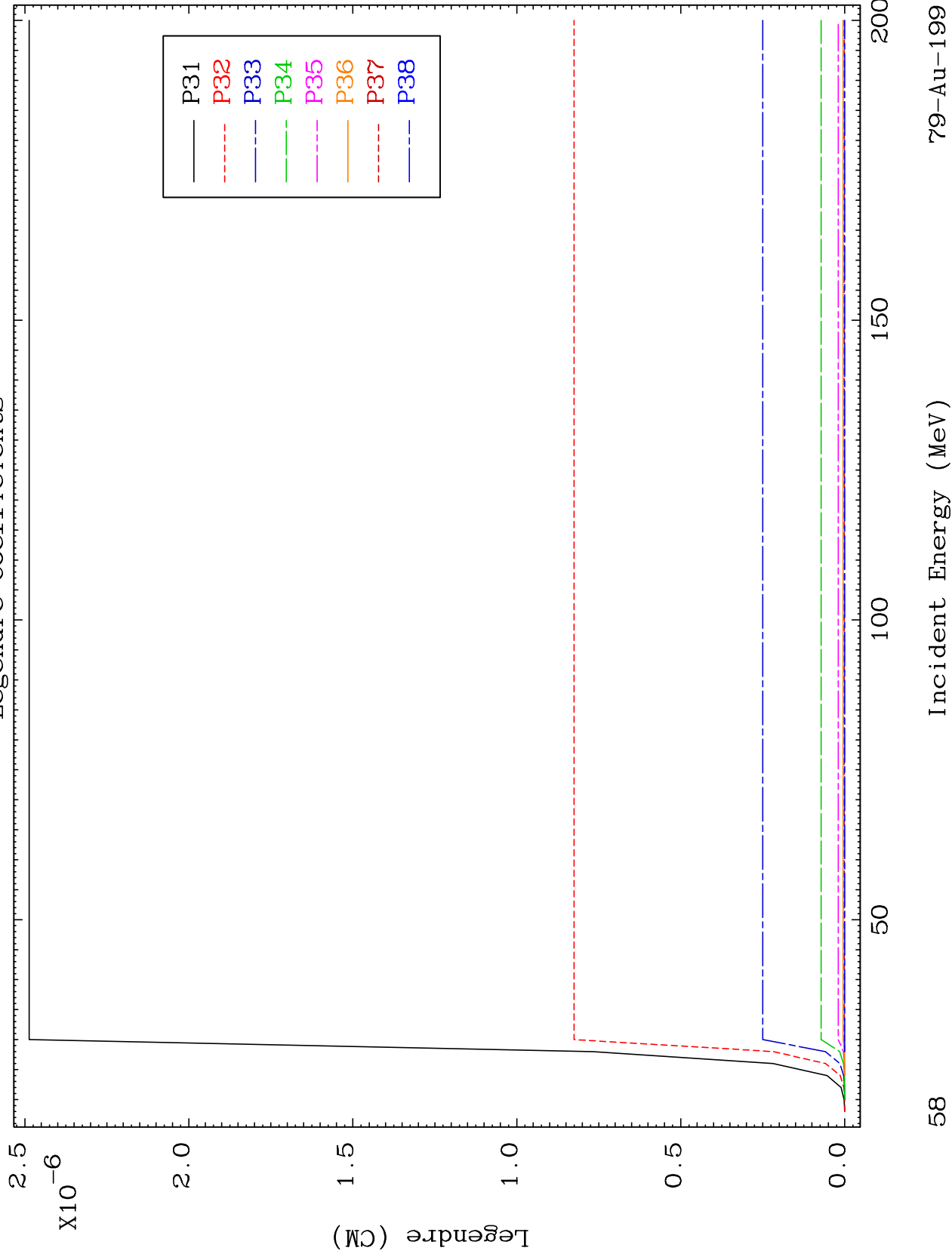
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



58

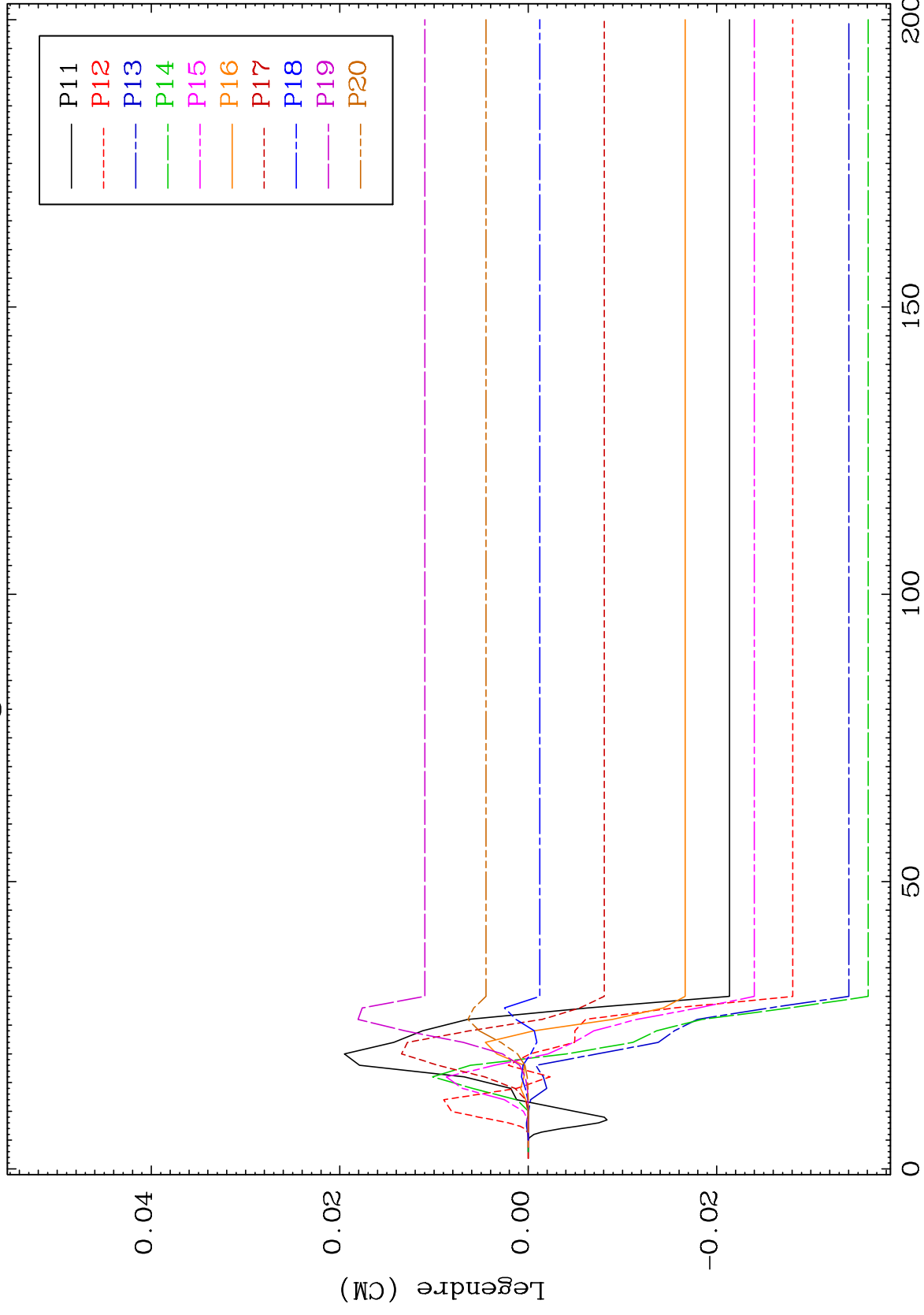
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



79-Au-199

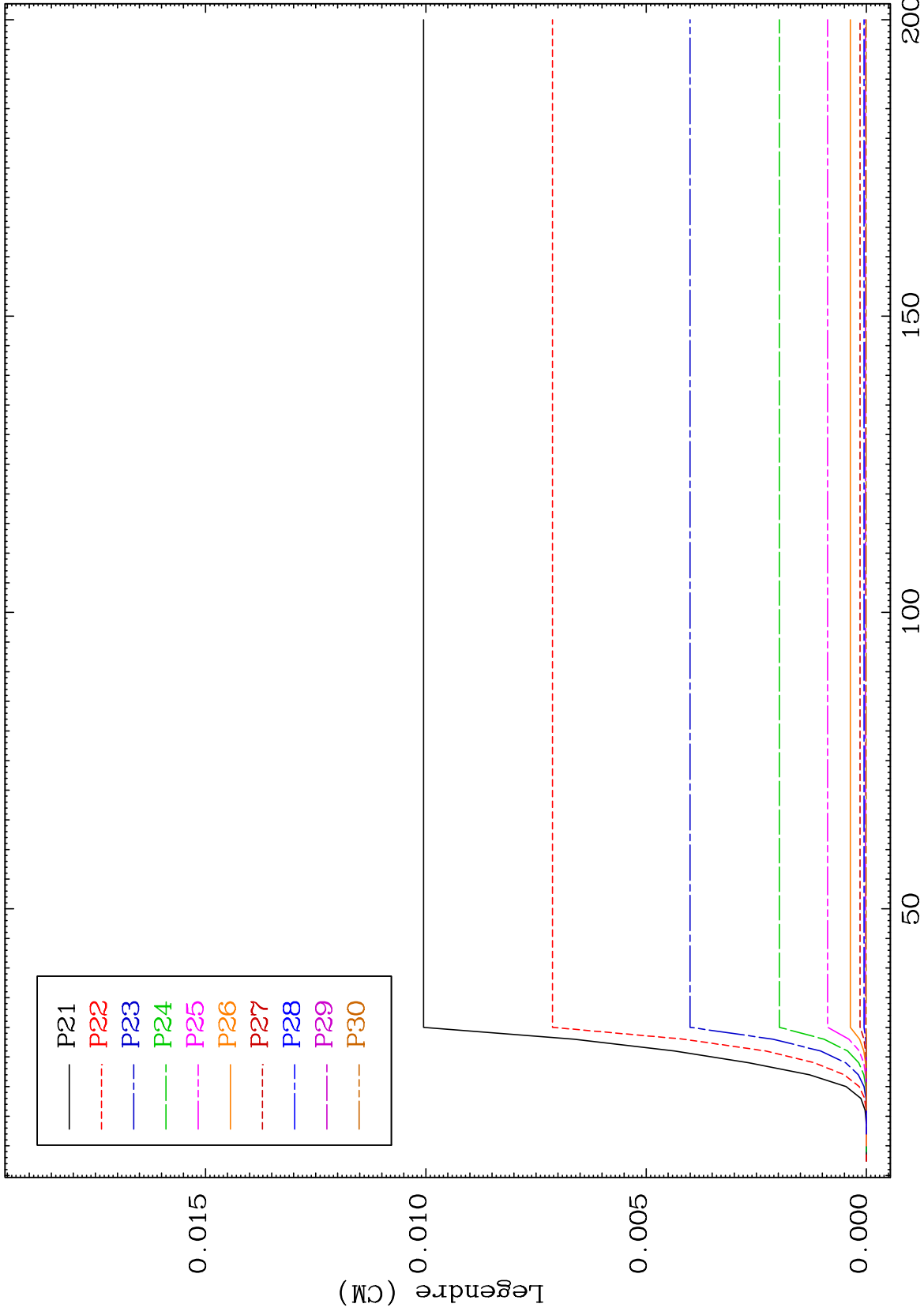
Incident Energy (MeV)

60

MAT 7931

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

79-Au-199



61

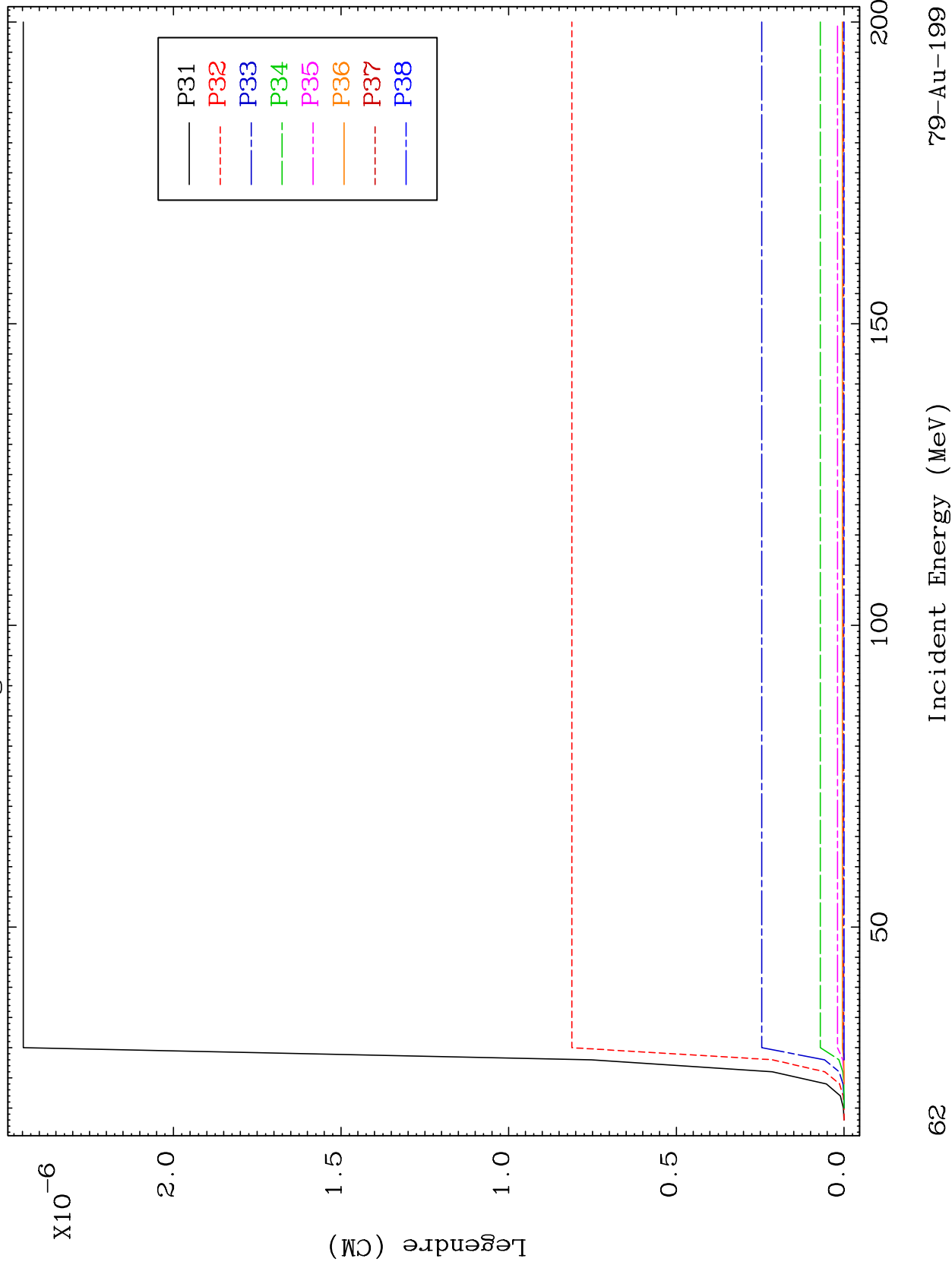
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



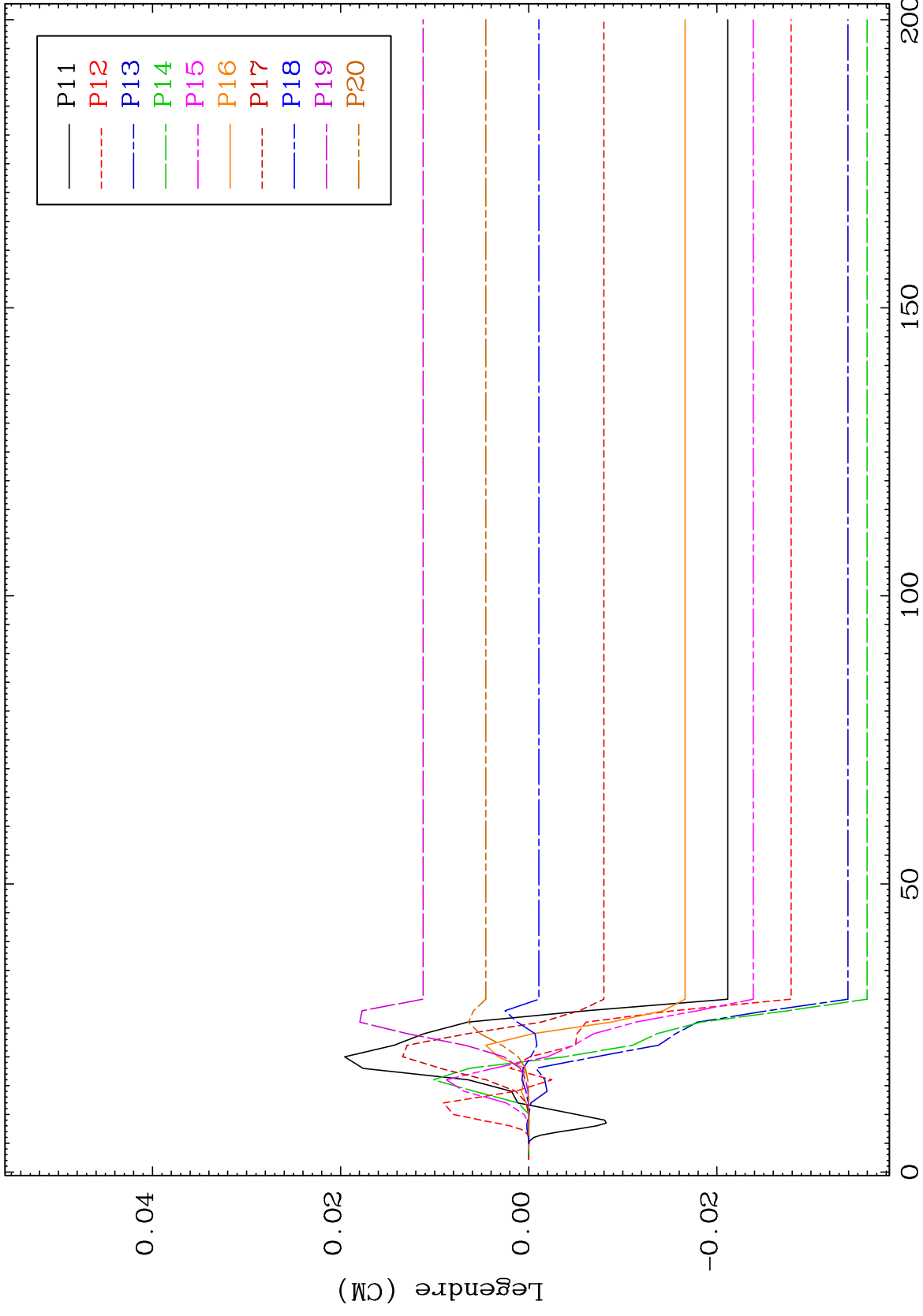
62

79-Au-199

MAT 7931

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

79-Au-199



64

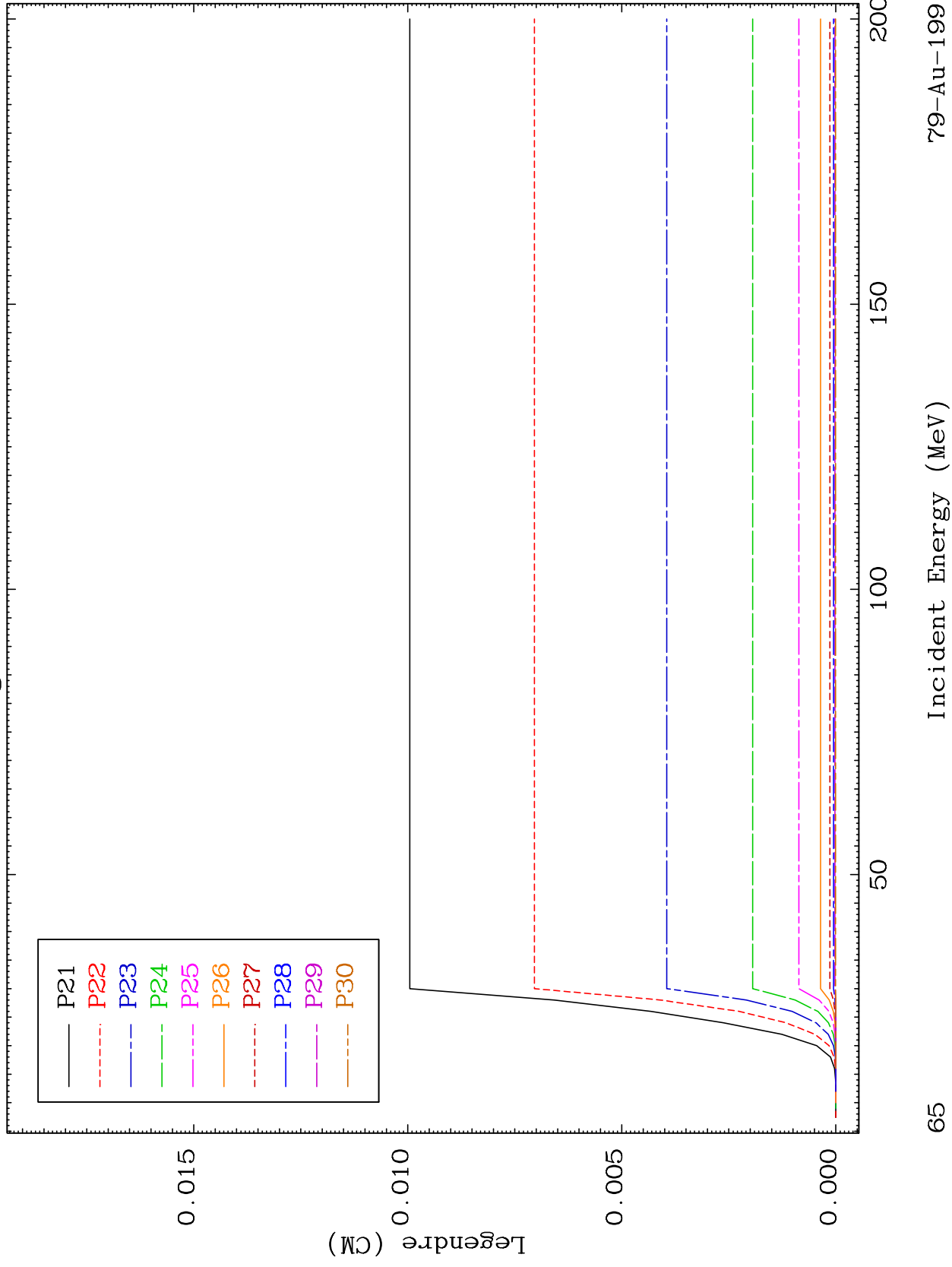
Incident Energy (MeV)

79-Au-199

MAT 7931

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

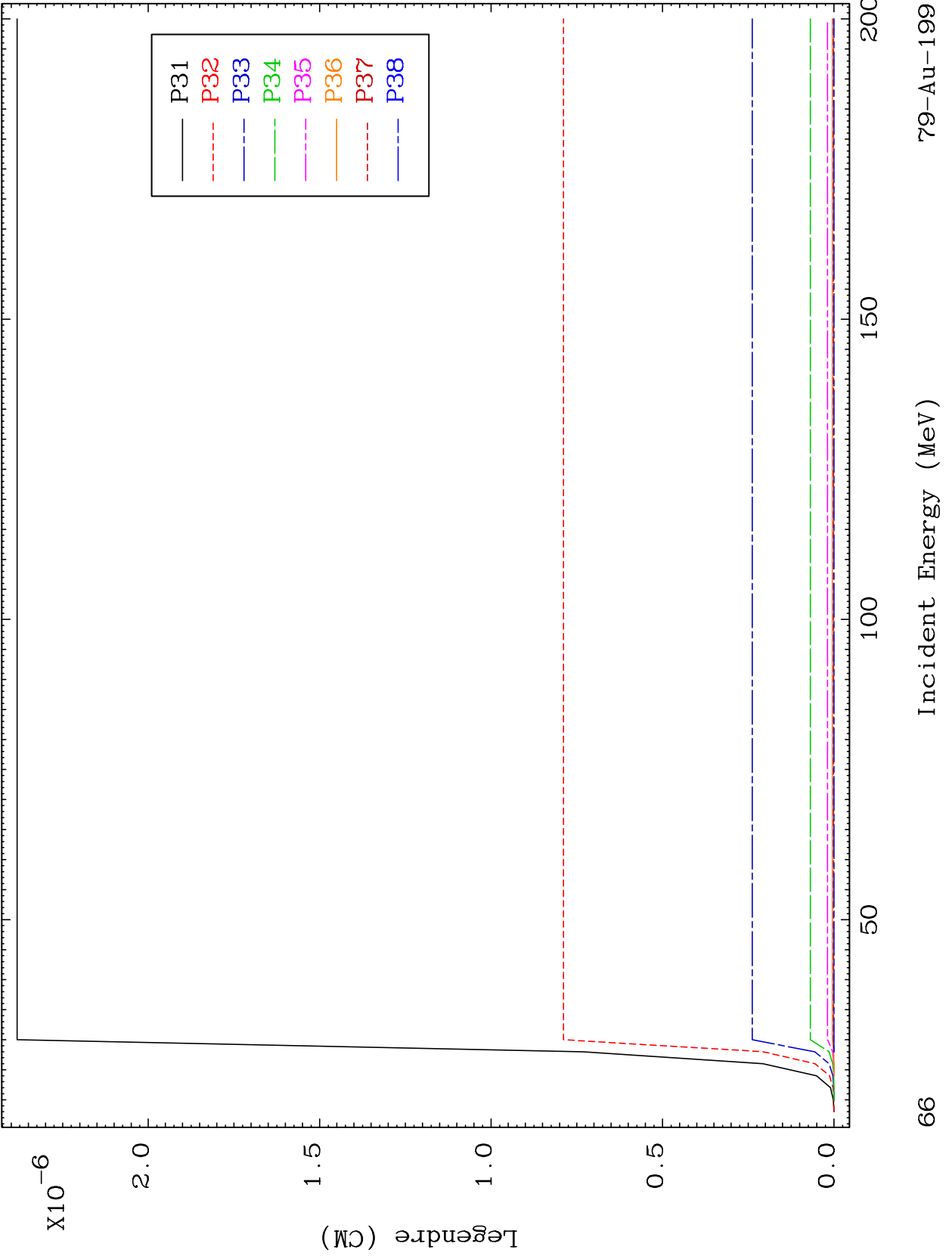
79-Au-199



79-Au-199

Incident Energy (MeV)

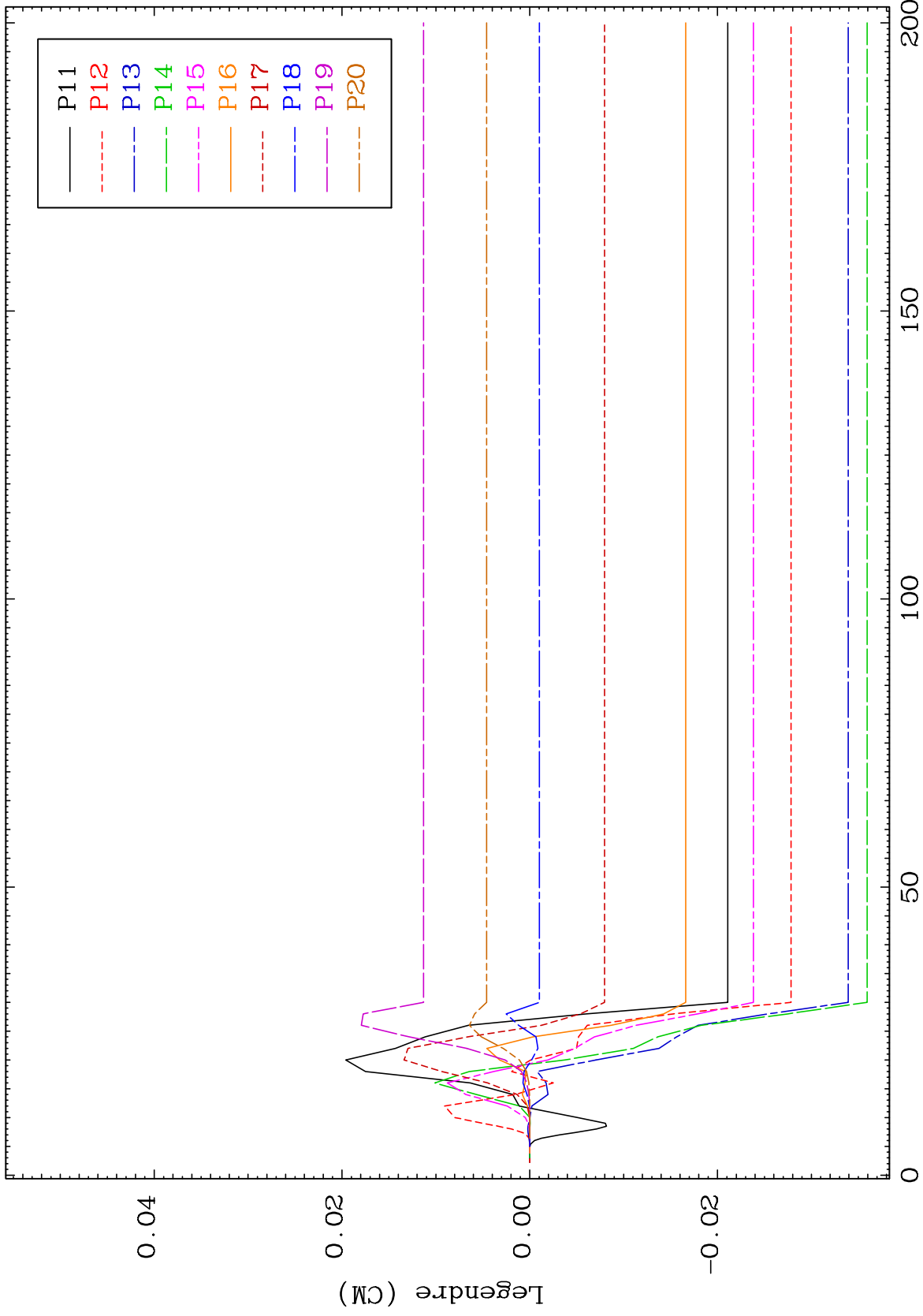
65



MAT 7931

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

79-Au-199



68

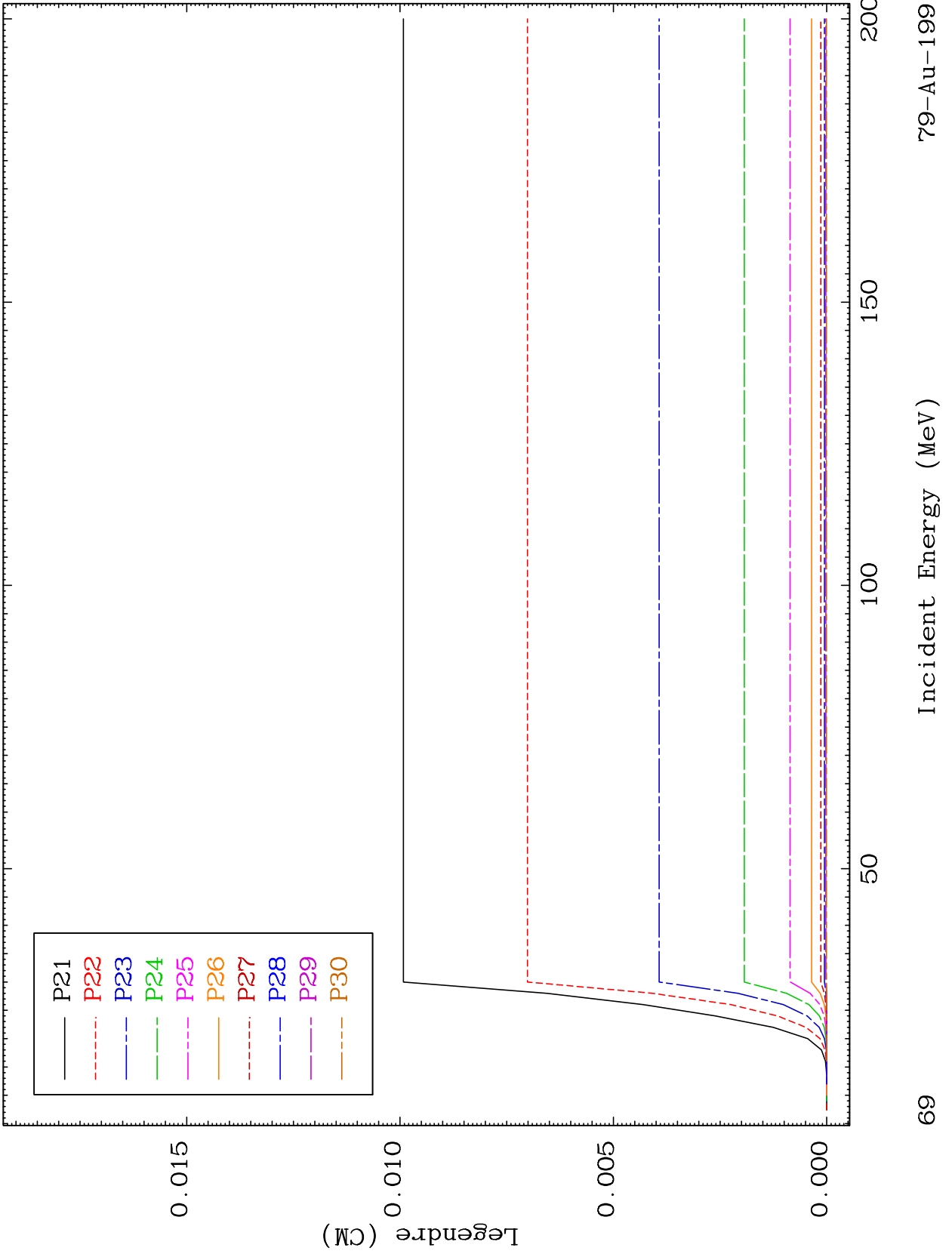
Incident Energy (MeV)

79-Au-199

MAT 7931

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

79-Au-199



69

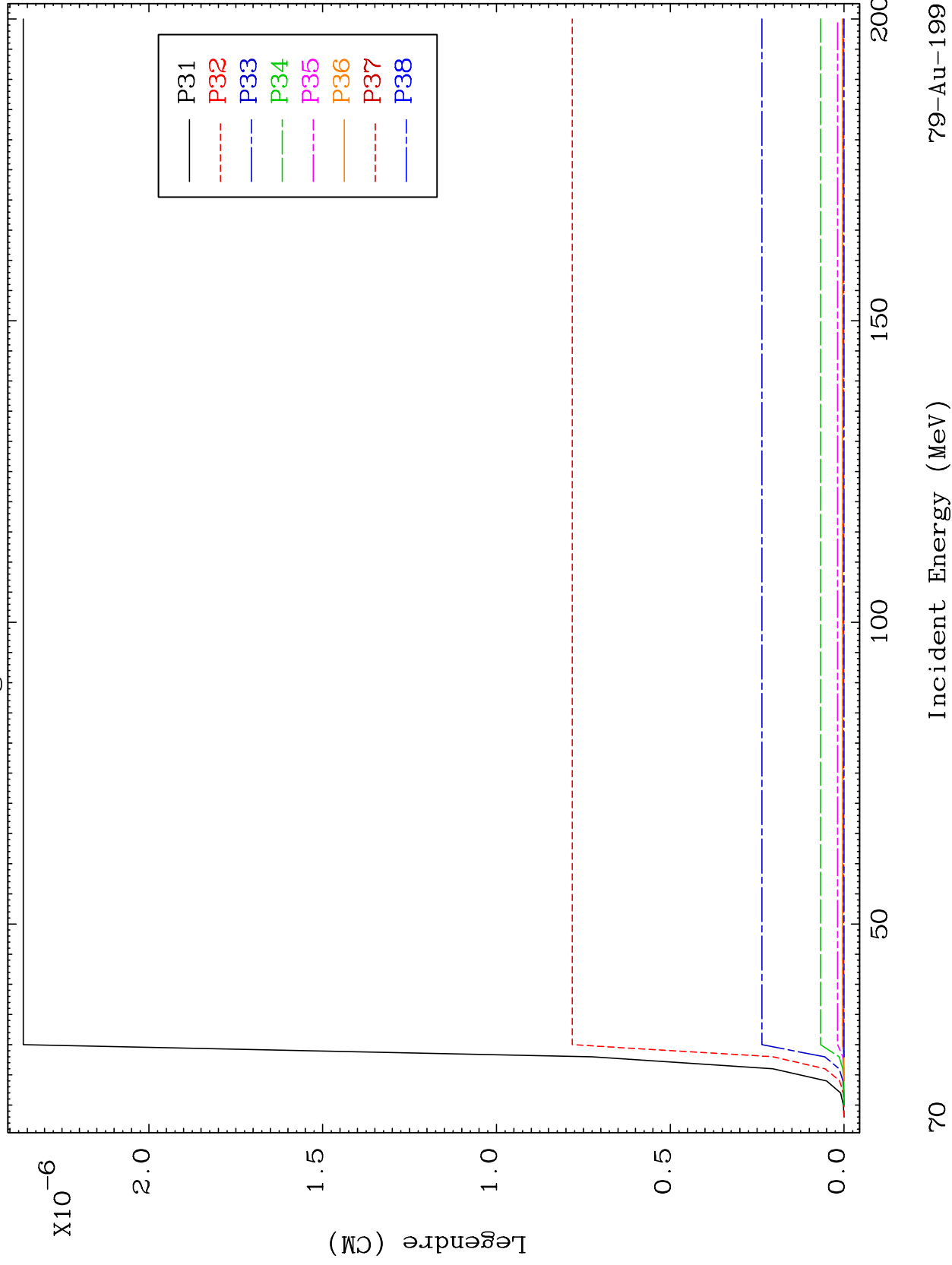
Incident Energy (MeV)

79-Au-199

MAT 7931

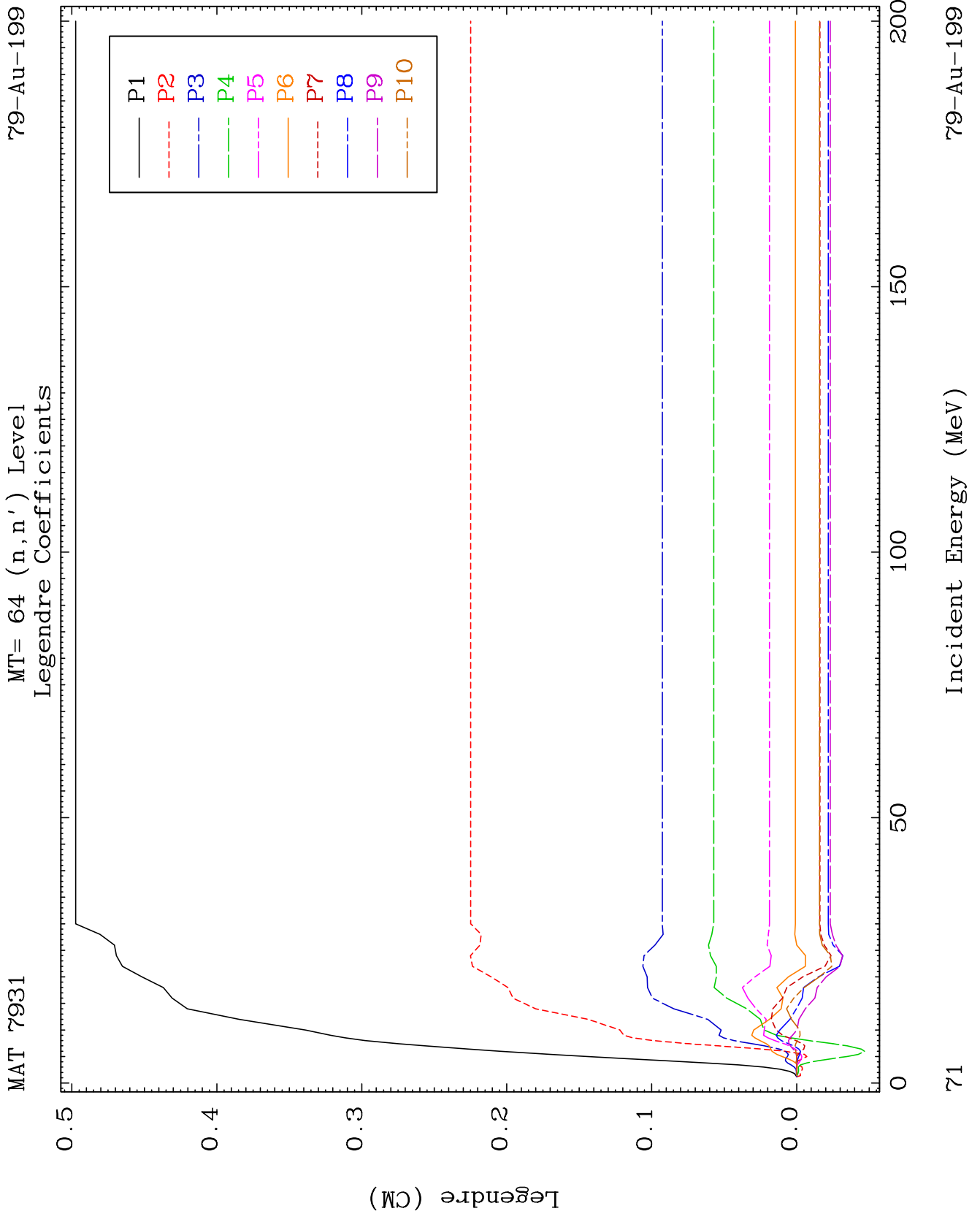
MT= 63 (n,n') Level
Legendre Coefficients

79-Au-199



79-Au-199

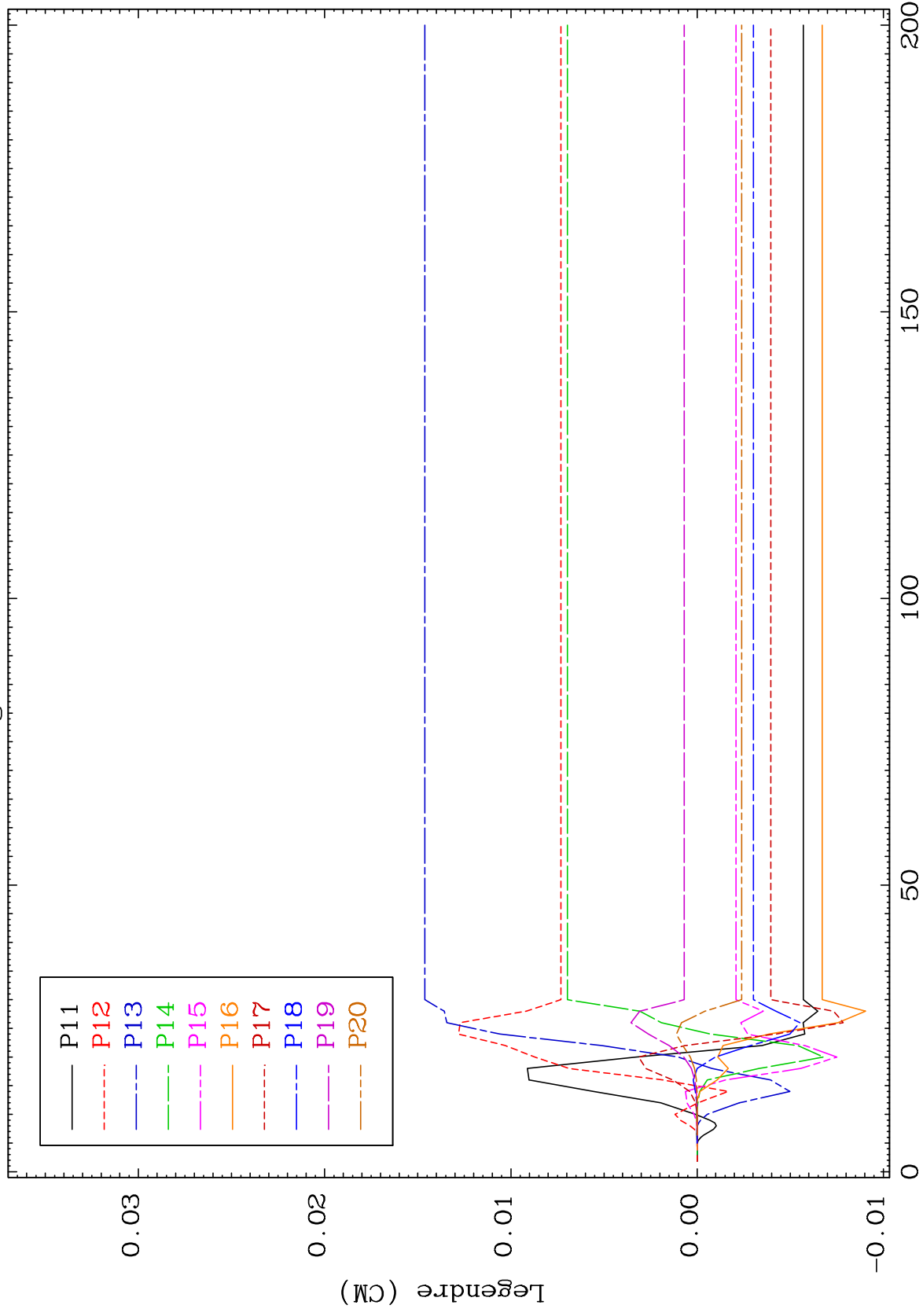
70



MAT 7931

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

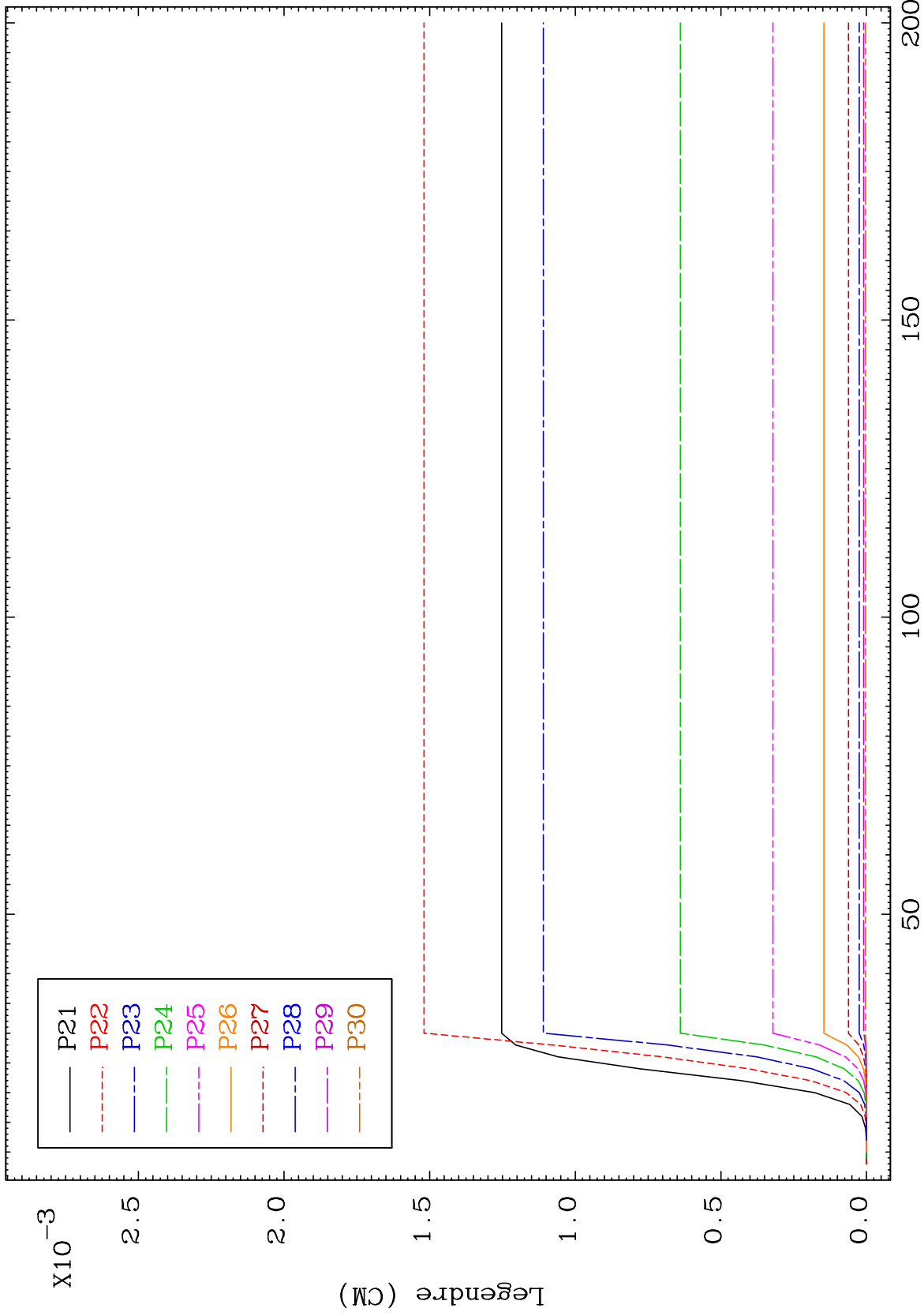
79-Au-199



72

Incident Energy (MeV)

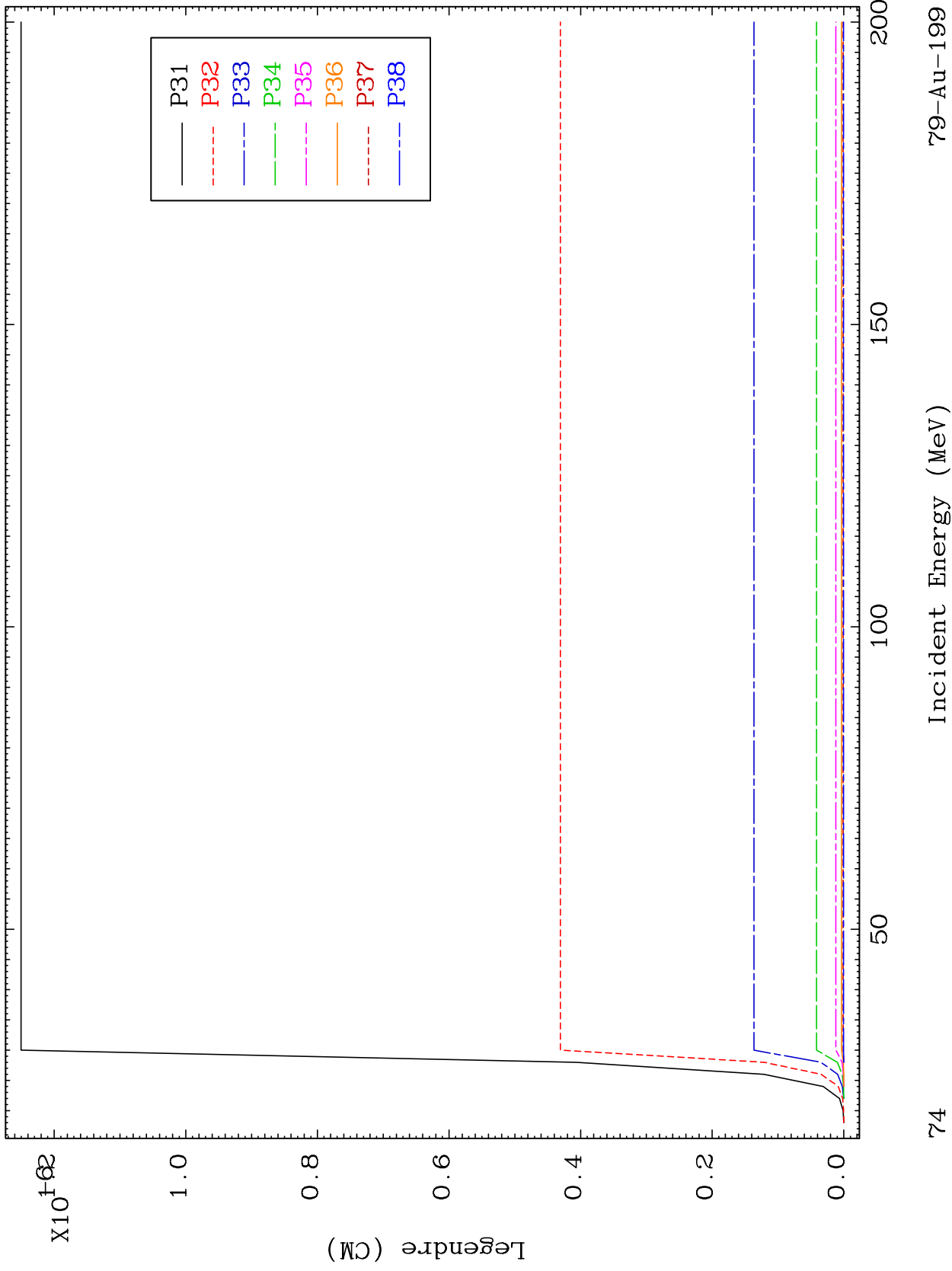
79-Au-199

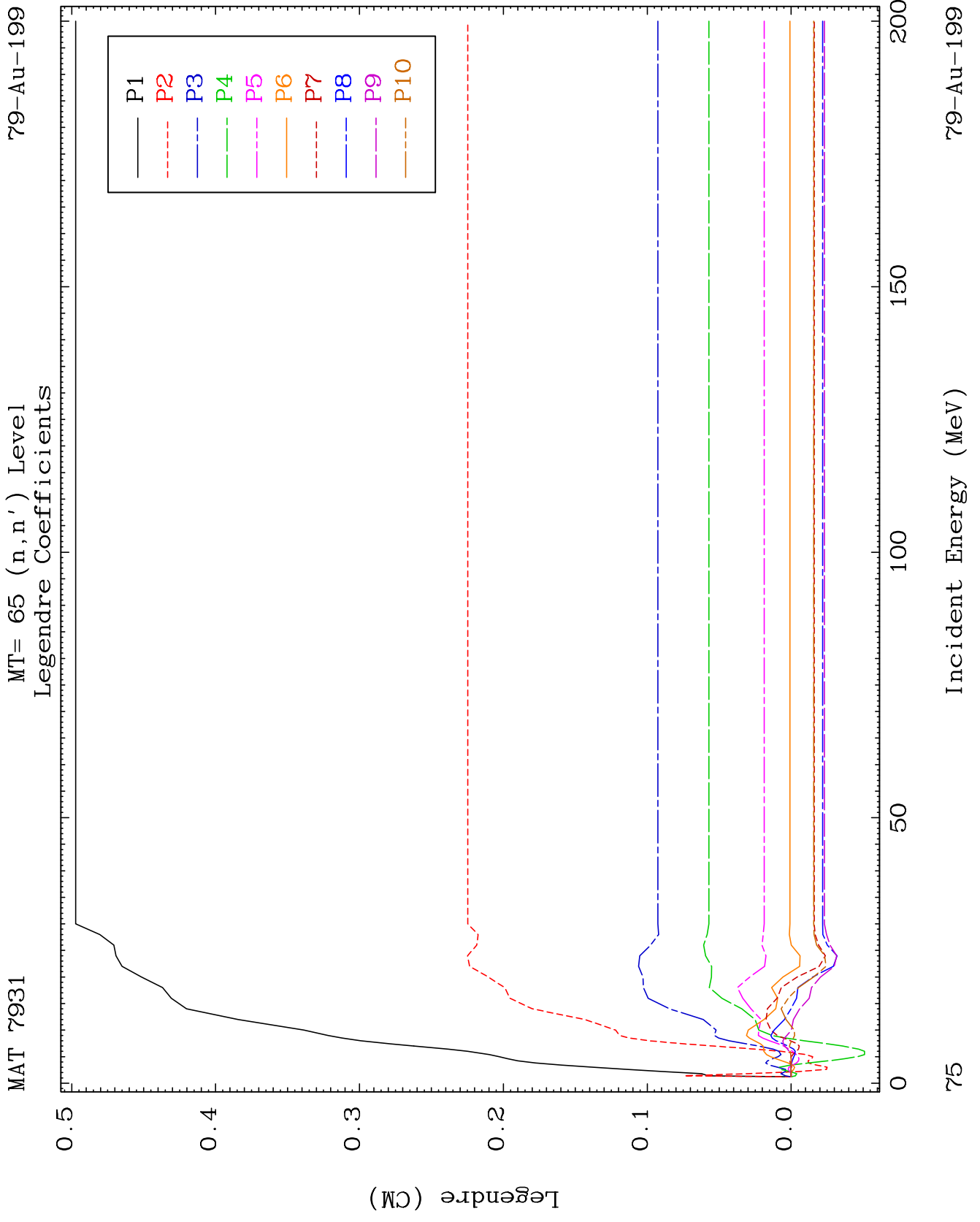


MAT 7931

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

79-Au-199

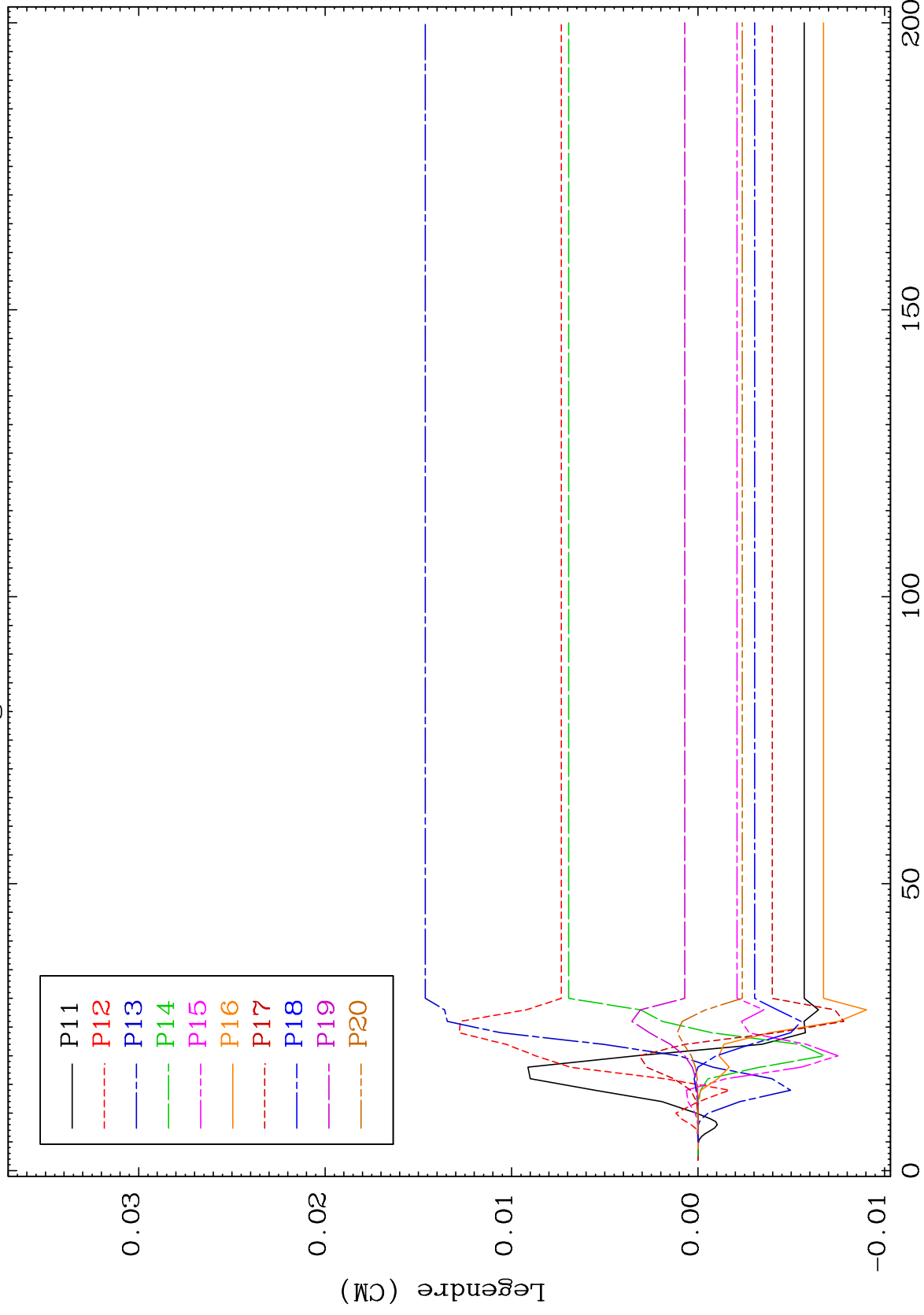




MAT 7931

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

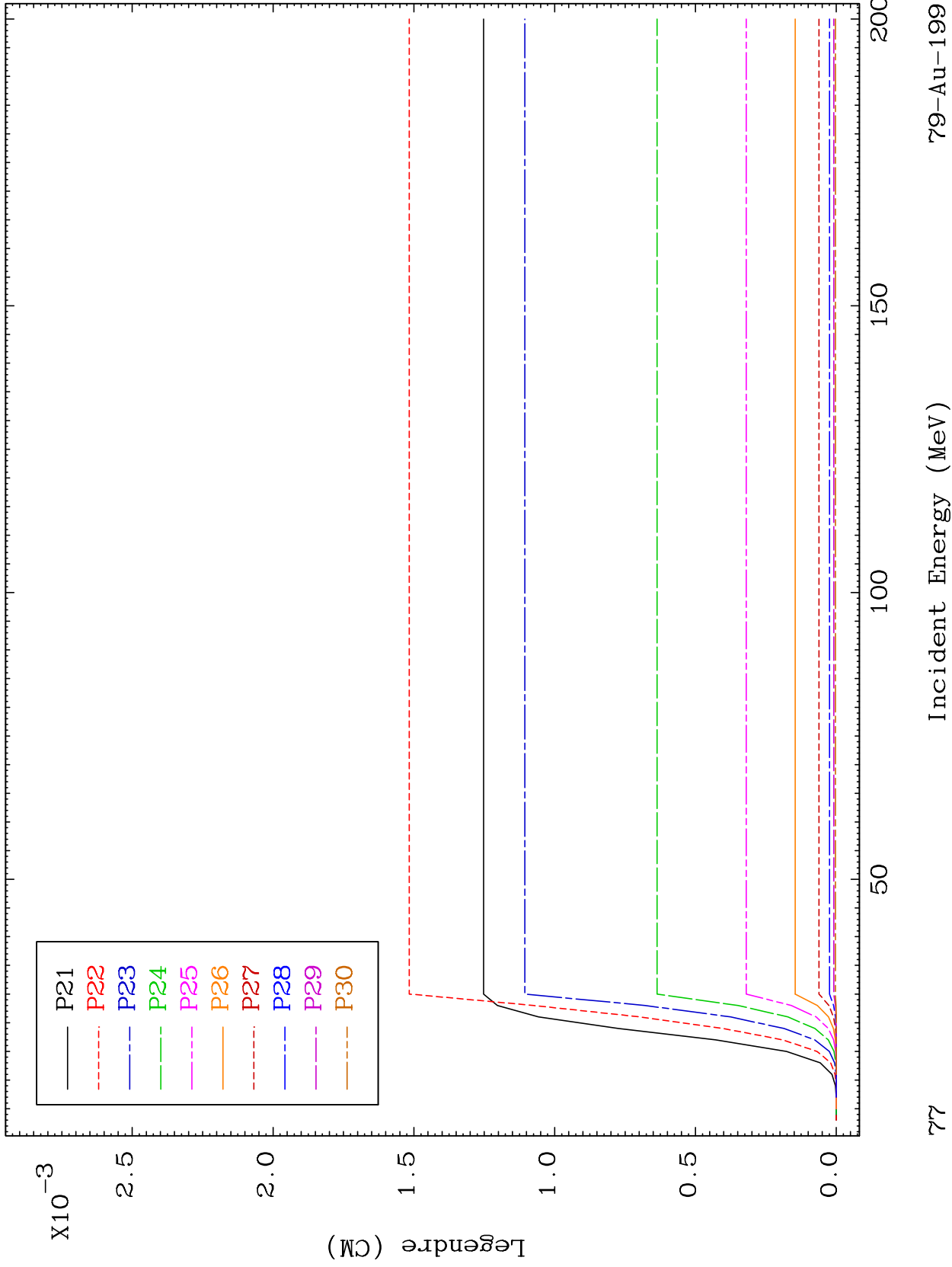
79-Au-199



76

Incident Energy (MeV)

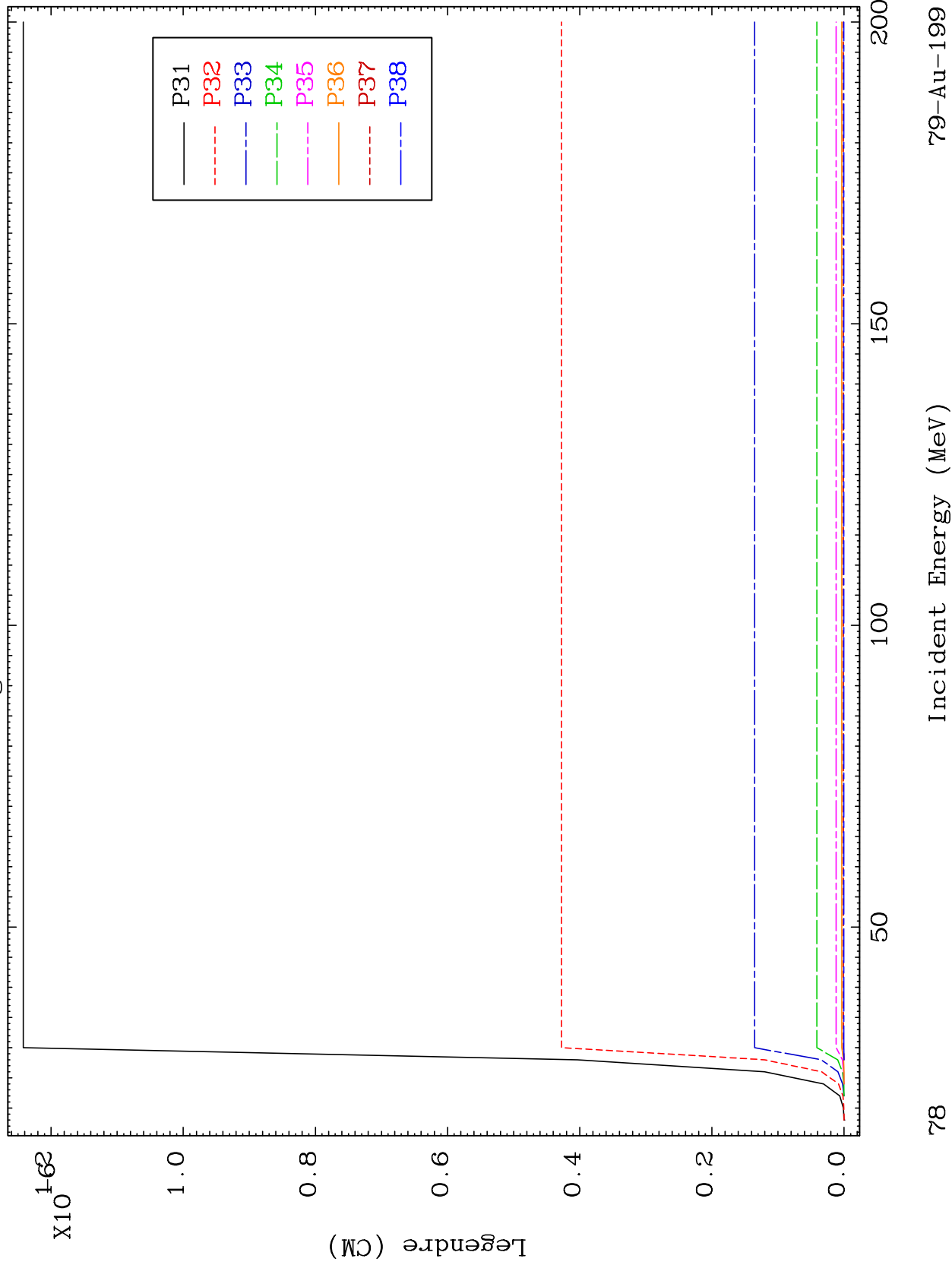
79-Au-199



MAT 7931

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

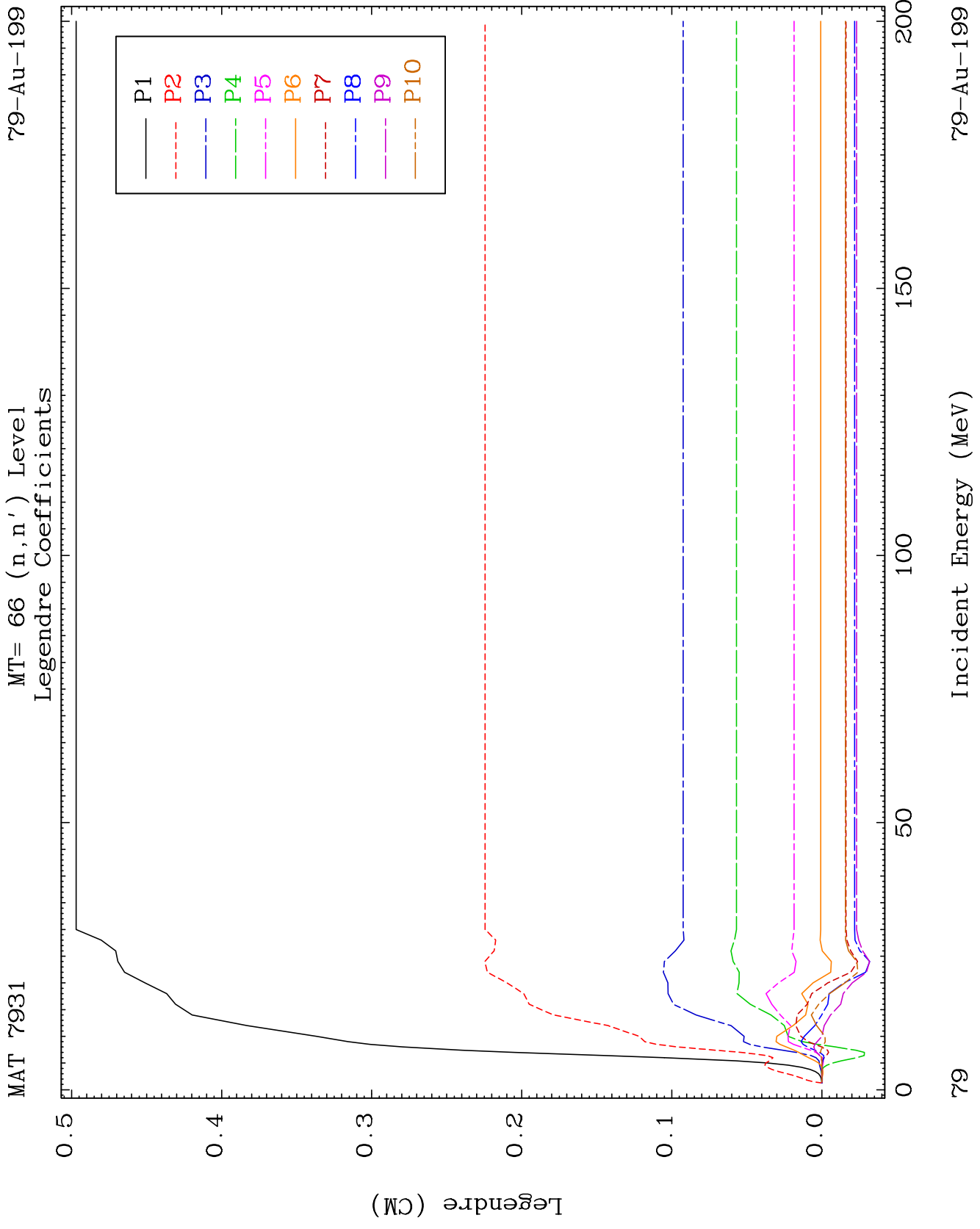
79-Au-199



78

Incident Energy (MeV)

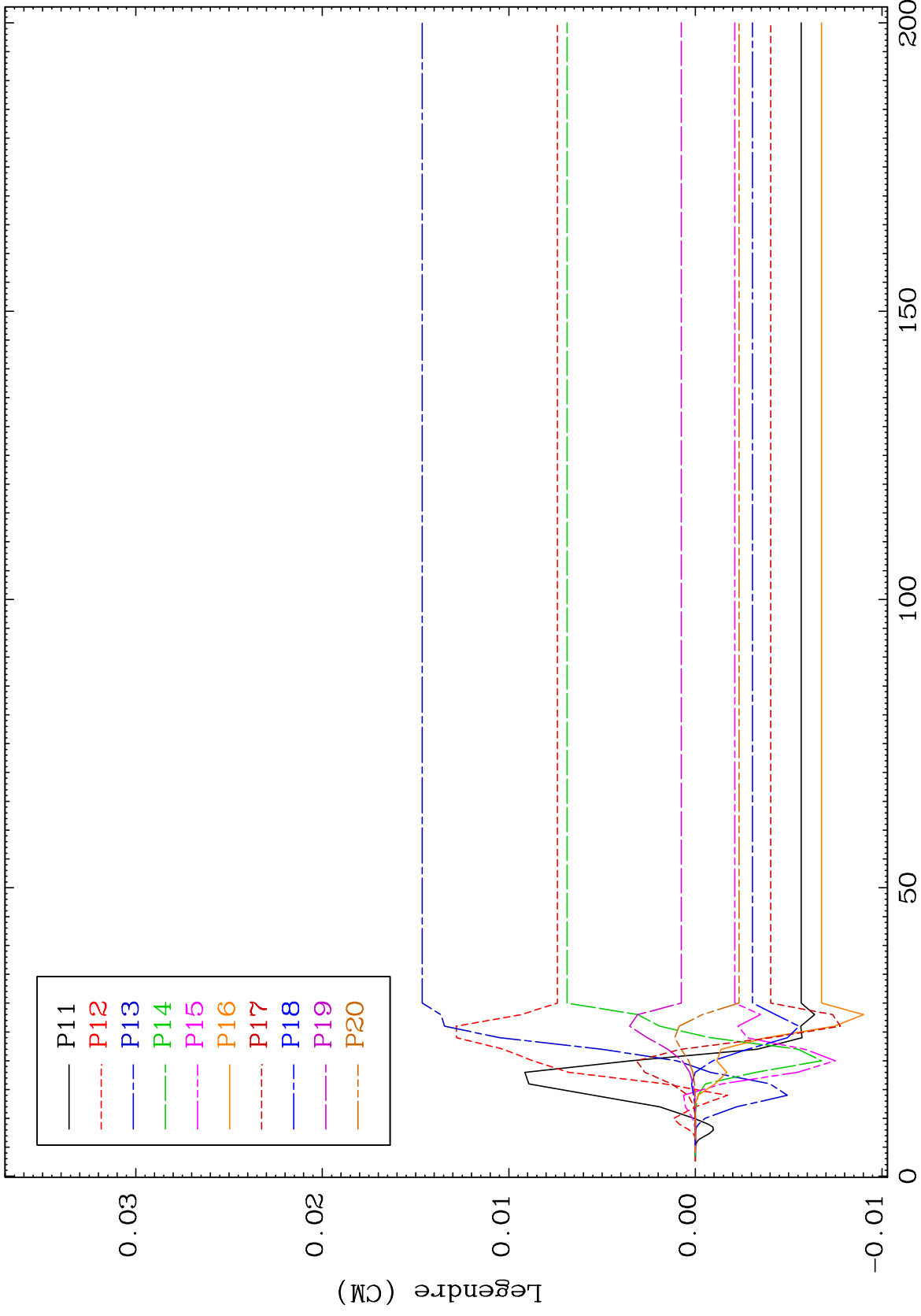
79-Au-199



MAT 7931

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

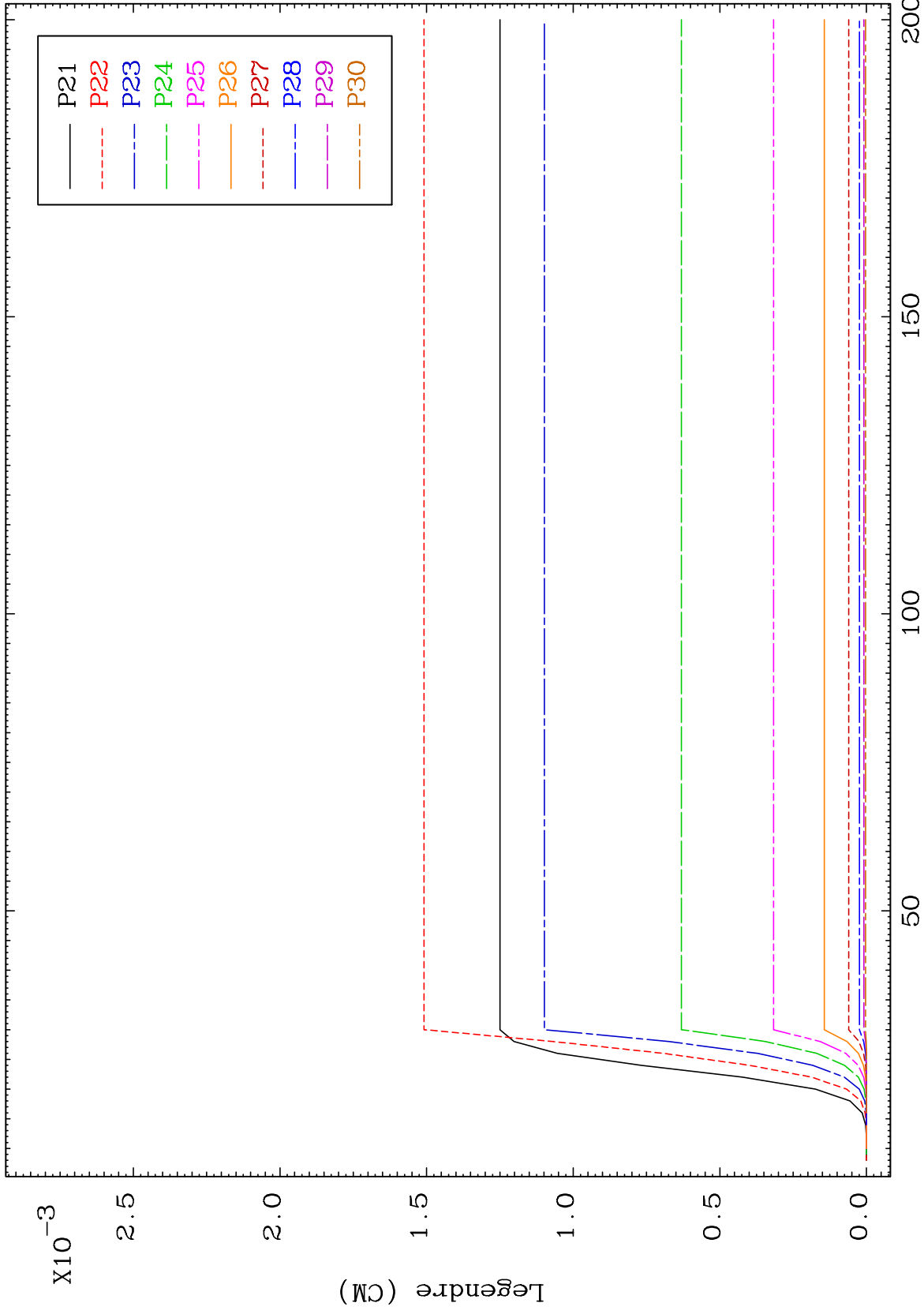
79-Au-199



80

Incident Energy (MeV)

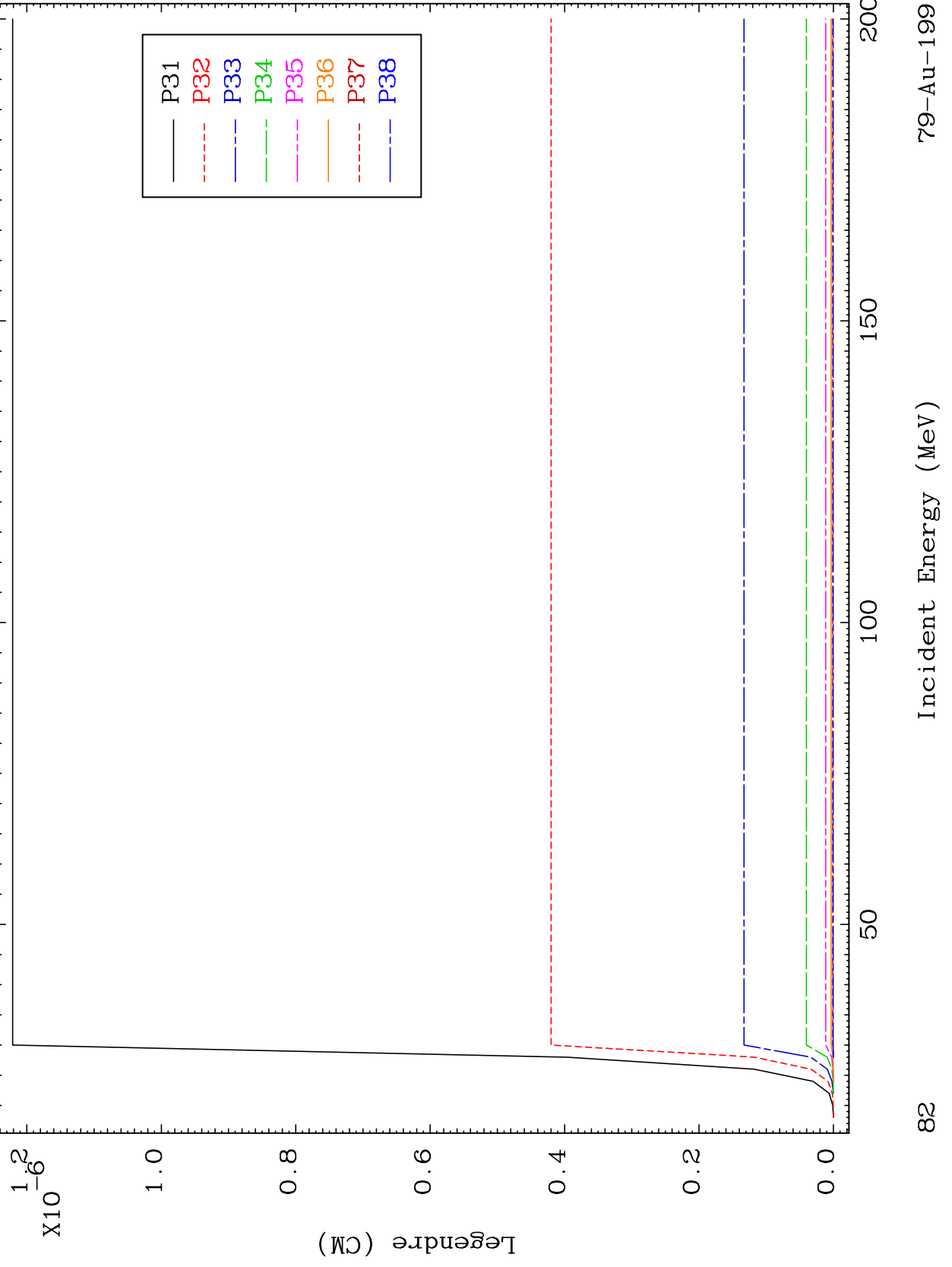
79-Au-199



MAT 7931

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

79-Au-199



82

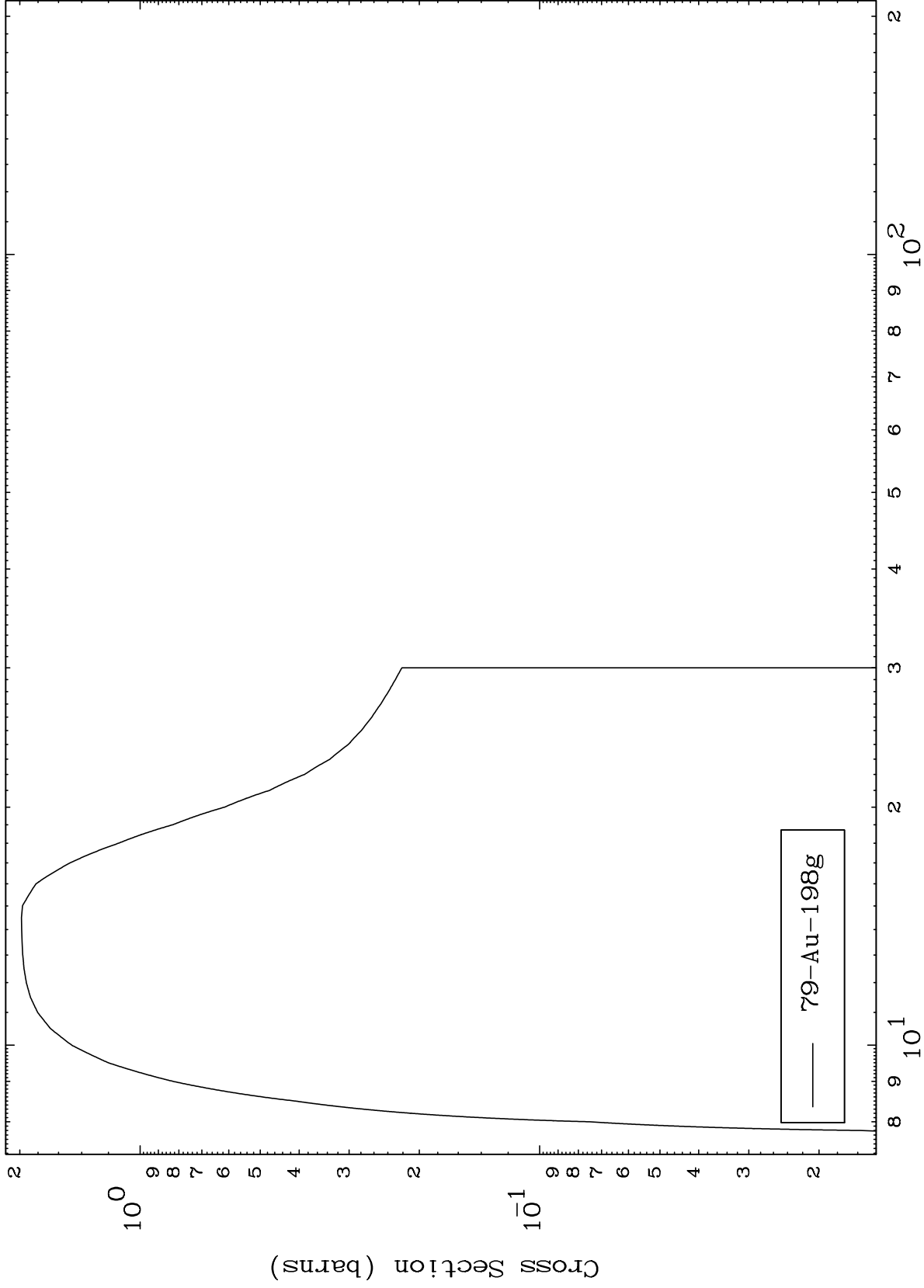
79-Au-199

MAT 7931

(n,2n)

79-Au-199

Radionuclide Production Cross Section



83

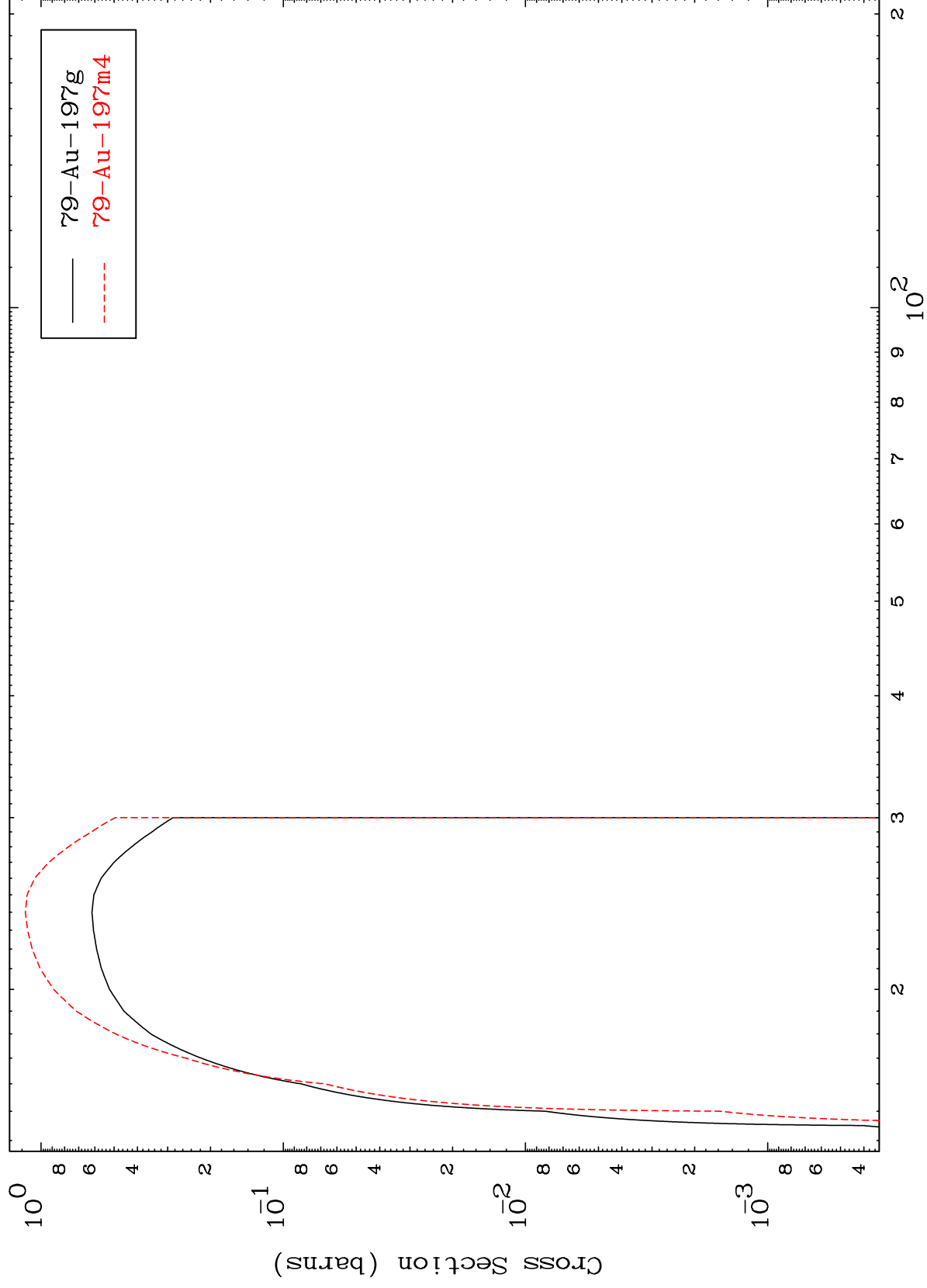
Incident Energy (MeV)

79-Au-199

MAT 7931

79-Au-199

(n,3n)
Radionuclide Production Cross Section



84

Incident Energy (MeV)

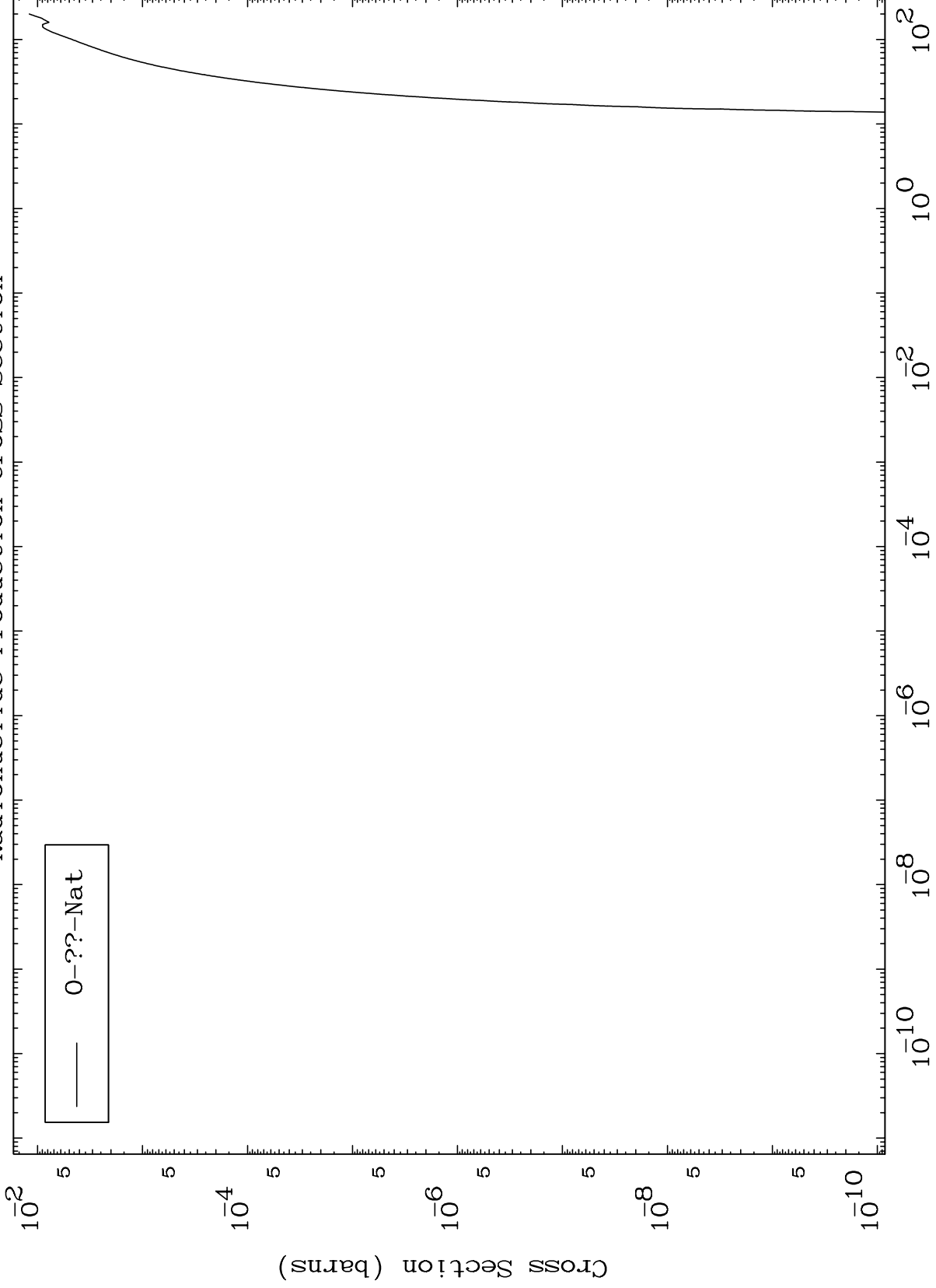
79-Au-199

MAT 7931

Fission

⁷⁹Au-199

Radionuclide Production Cross Section



85

Incident Energy (MeV)

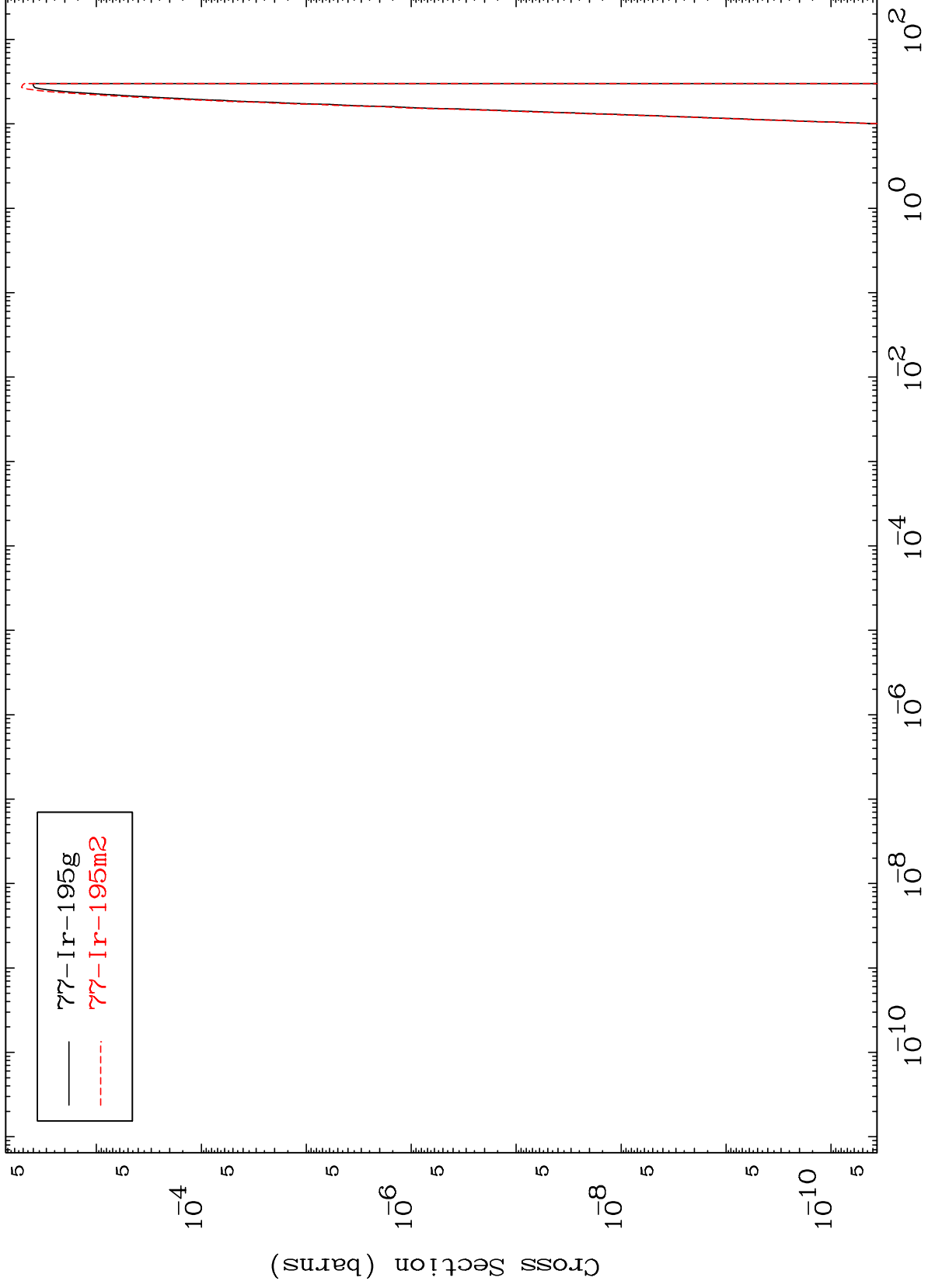
⁷⁹Au-199

MAT 7931

$(n, n') \alpha$

79-Au-199

Radionuclide Production Cross Section



77-Ir-195g
77-Ir-195m2

86

Incident Energy (MeV)

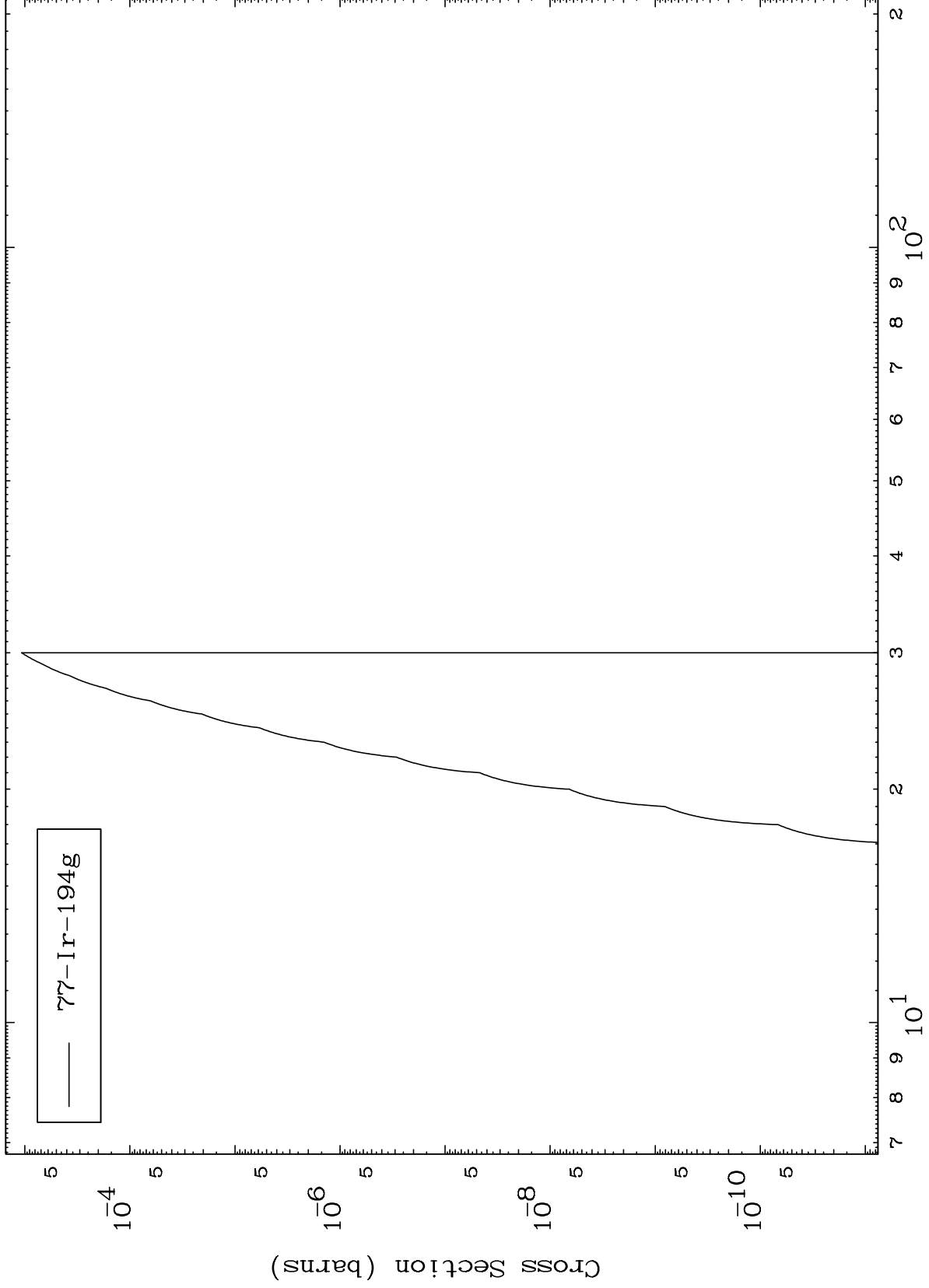
79-Au-199

MAT 7931

(n,2n) α

79-Au-199

Radionuclide Production Cross Section

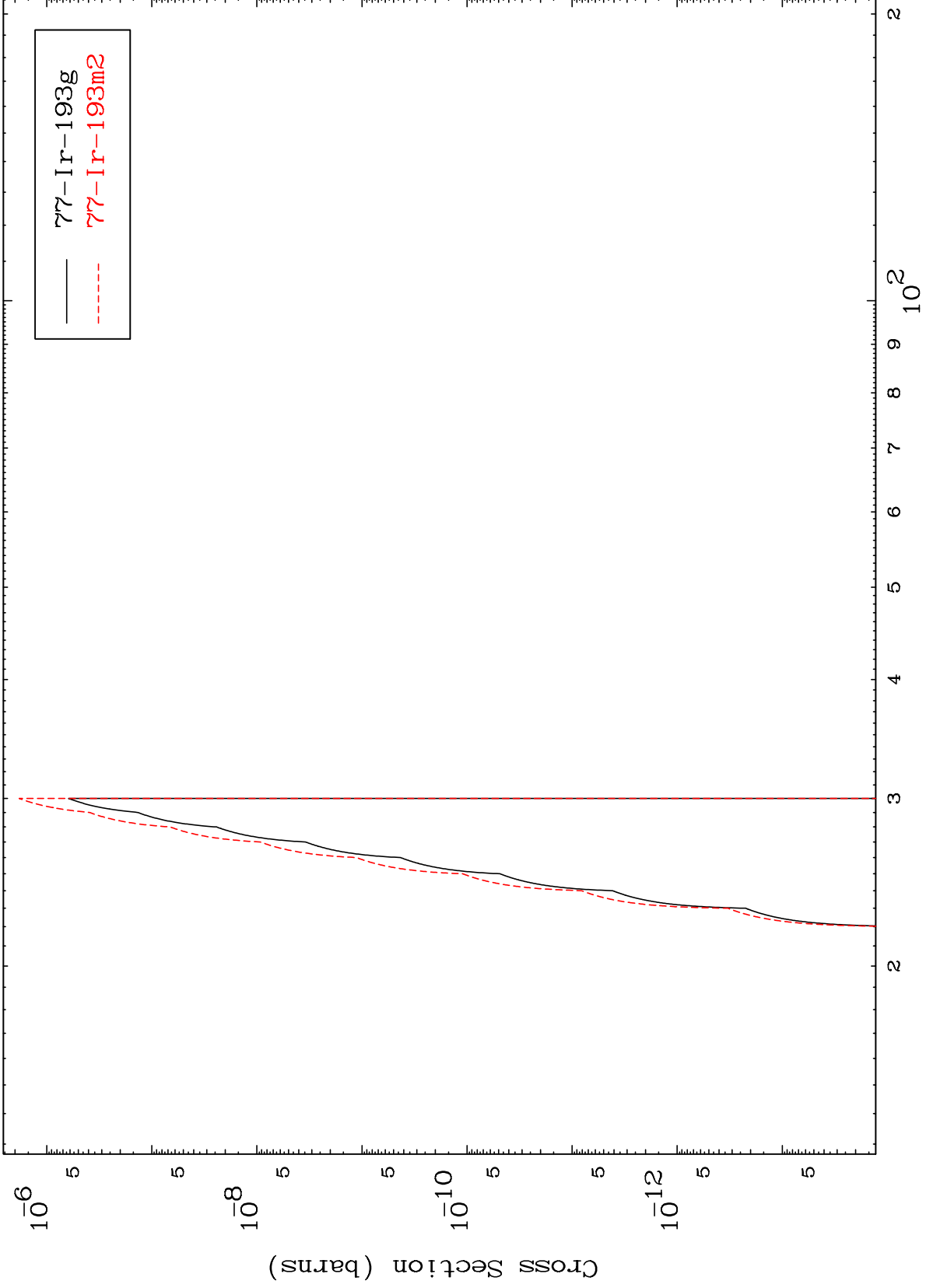


87

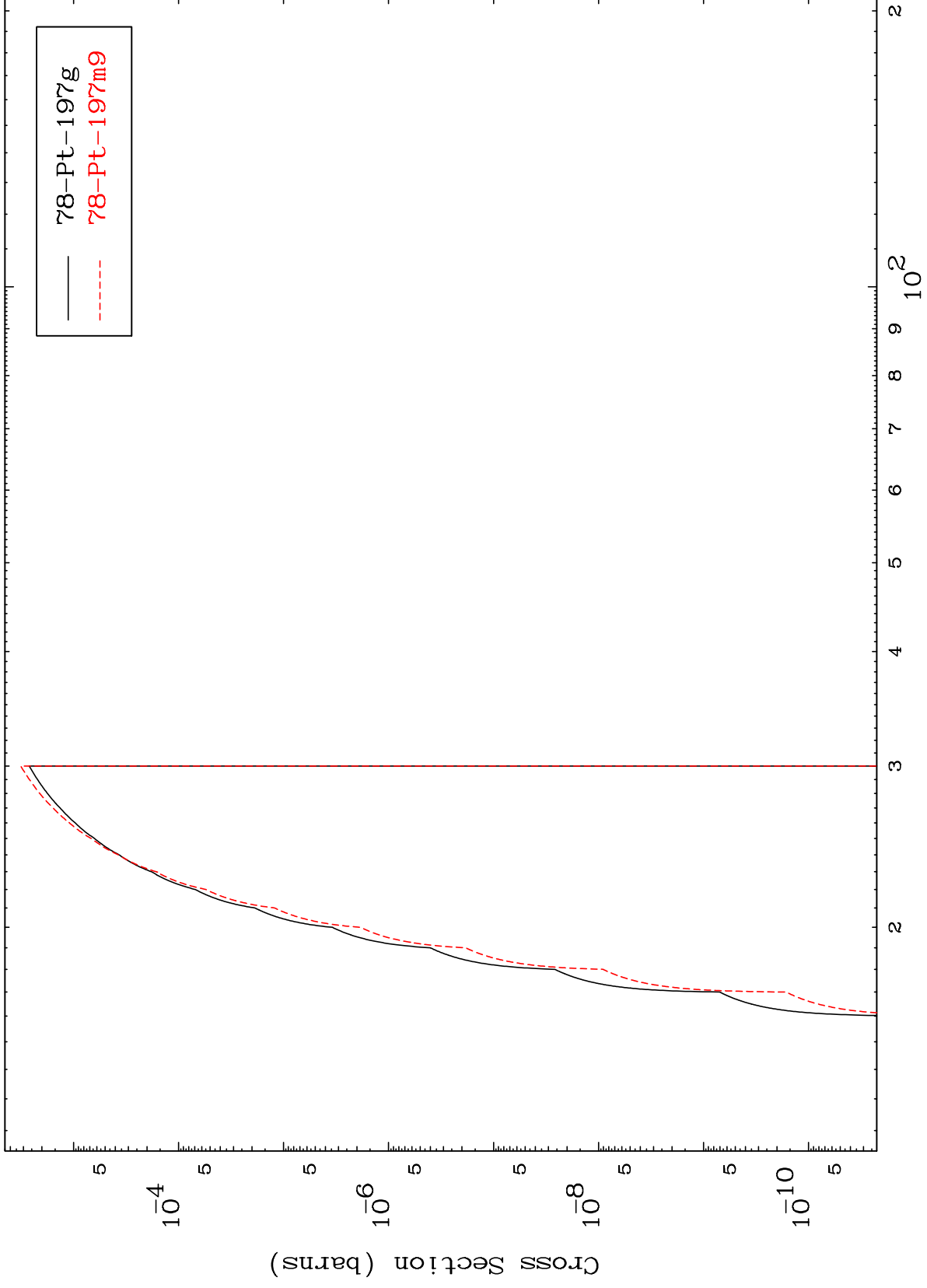
Incident Energy (MeV)

79-Au-199

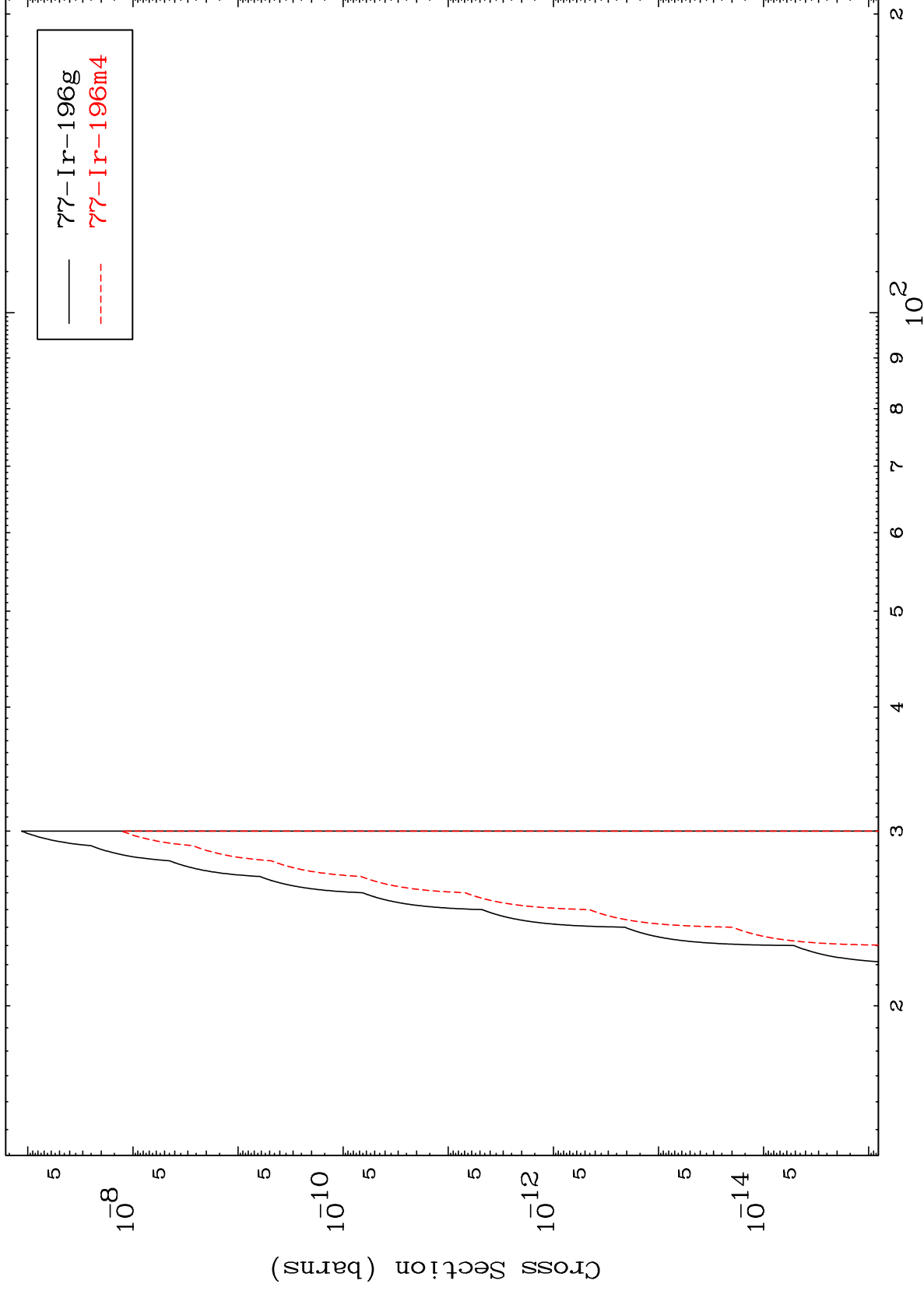
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

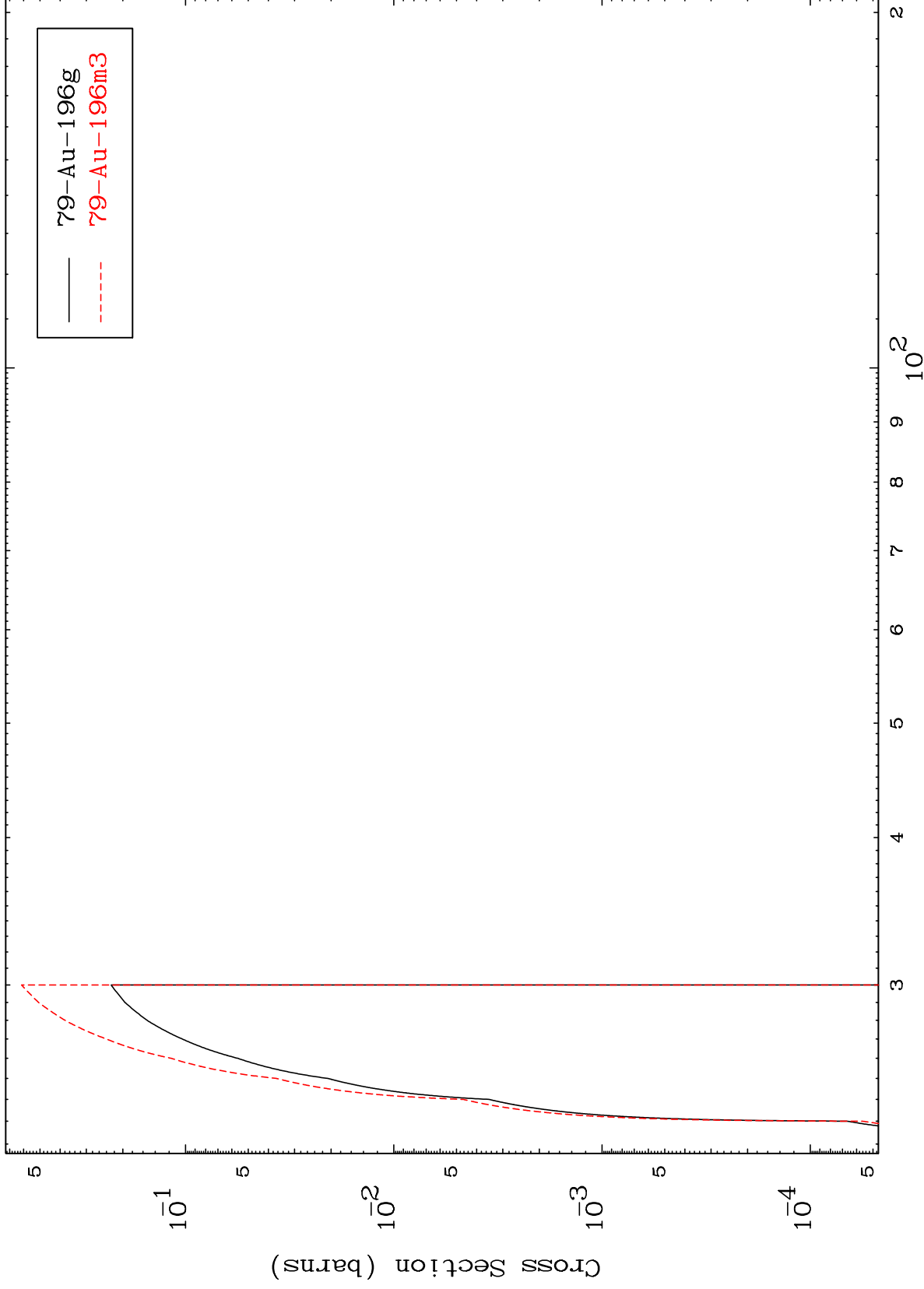


MAT 7931

(n,4n)

79-Au-199

Radionuclide Production Cross Section



91

Incident Energy (MeV)

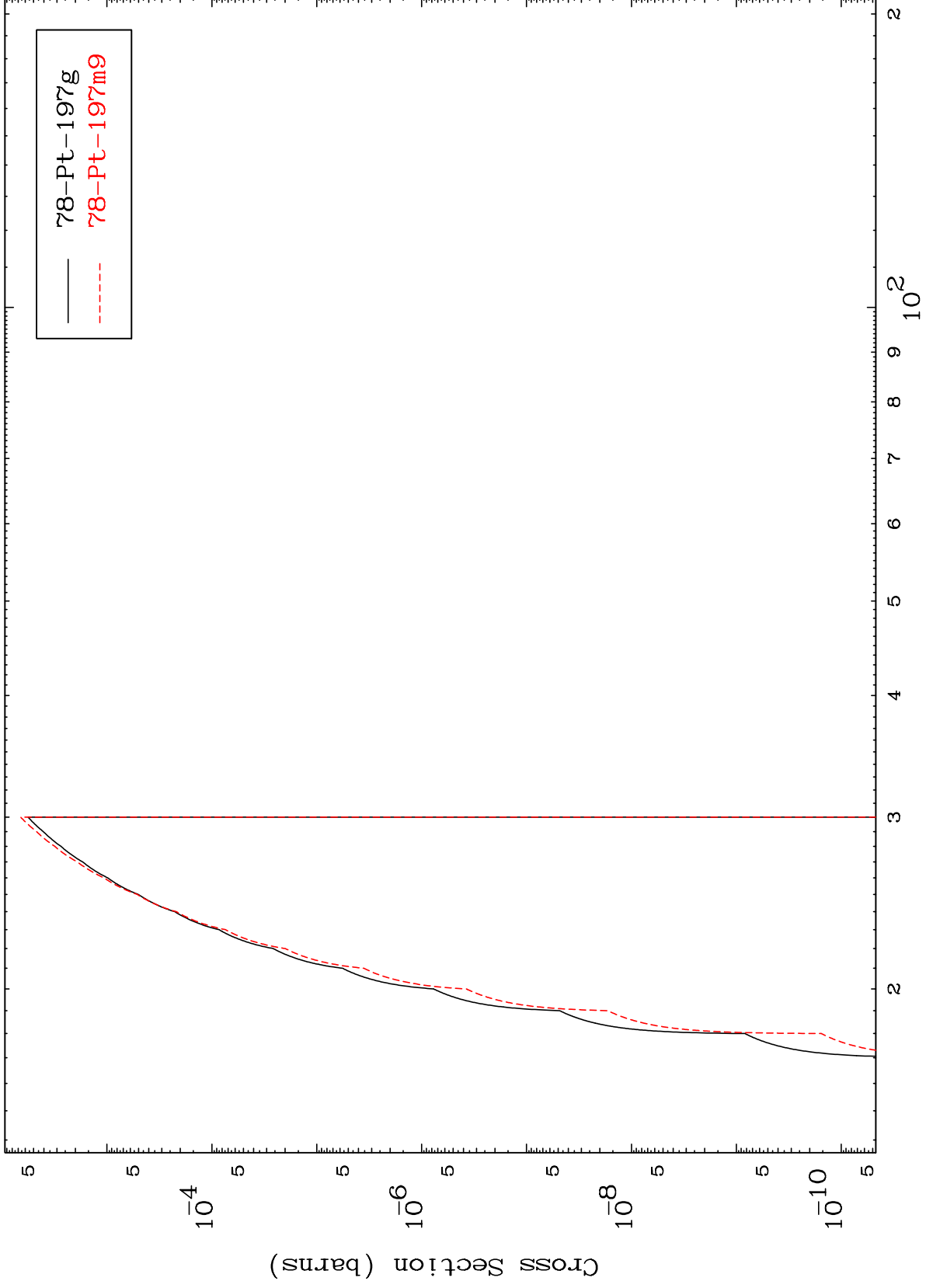
79-Au-199

MAT 7931

(n,2n) p

79-Au-199

Radionuclide Production Cross Section

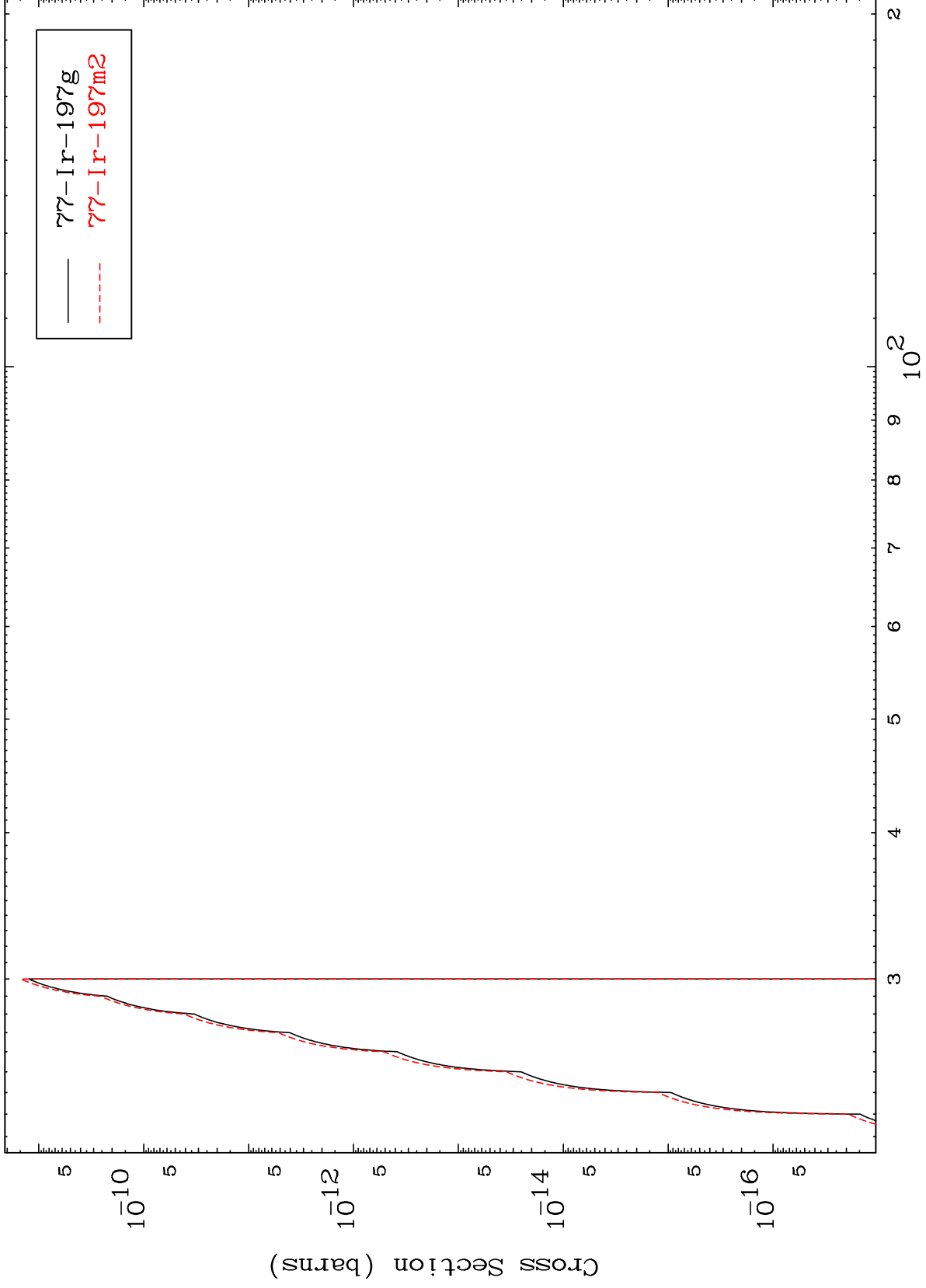


92

Incident Energy (MeV)

79-Au-199

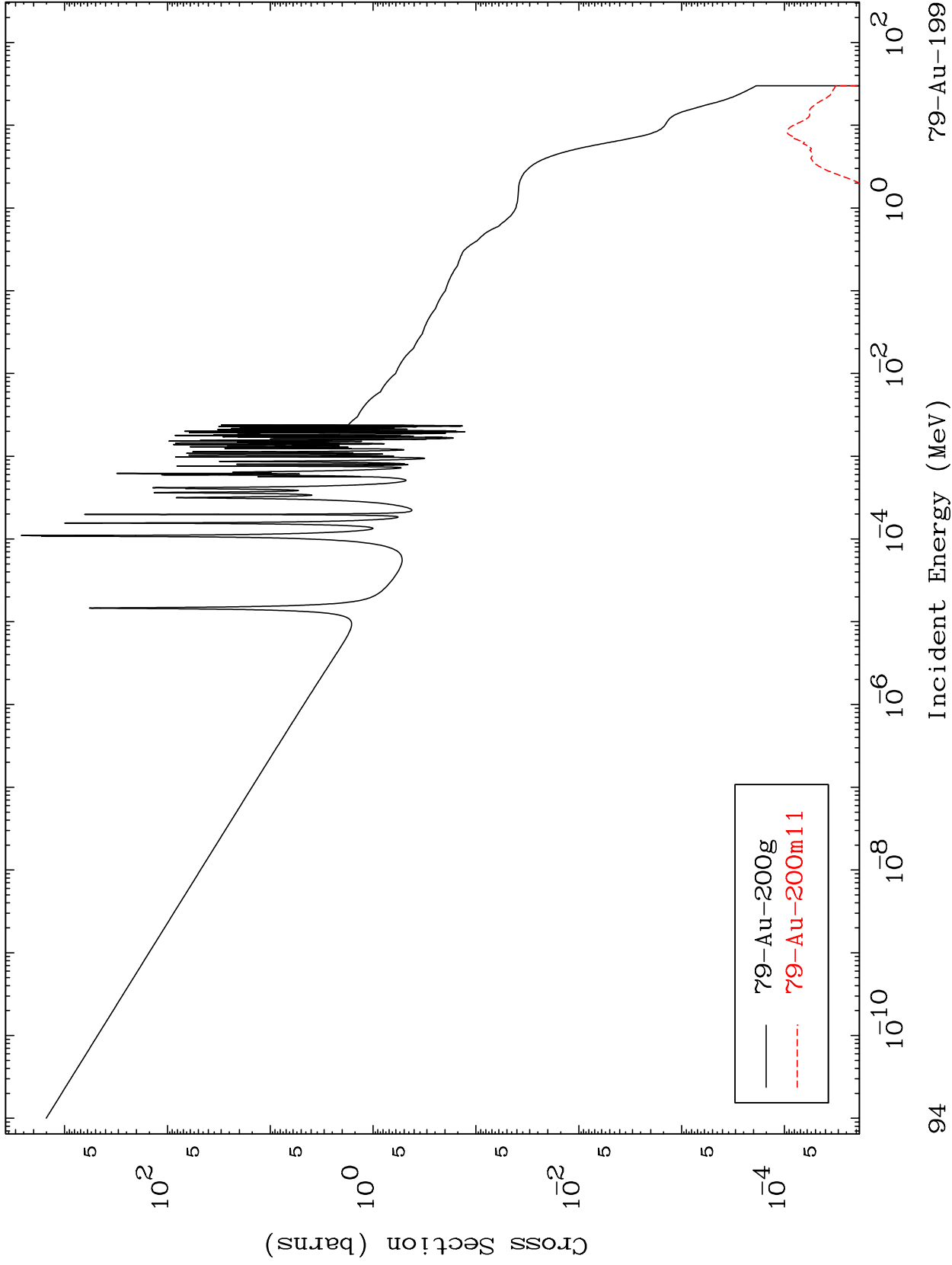
Radionuclide Production Cross Section



MAT 7931

⁷⁹Au-199

(n,γ)
Radionuclide Production Cross Section



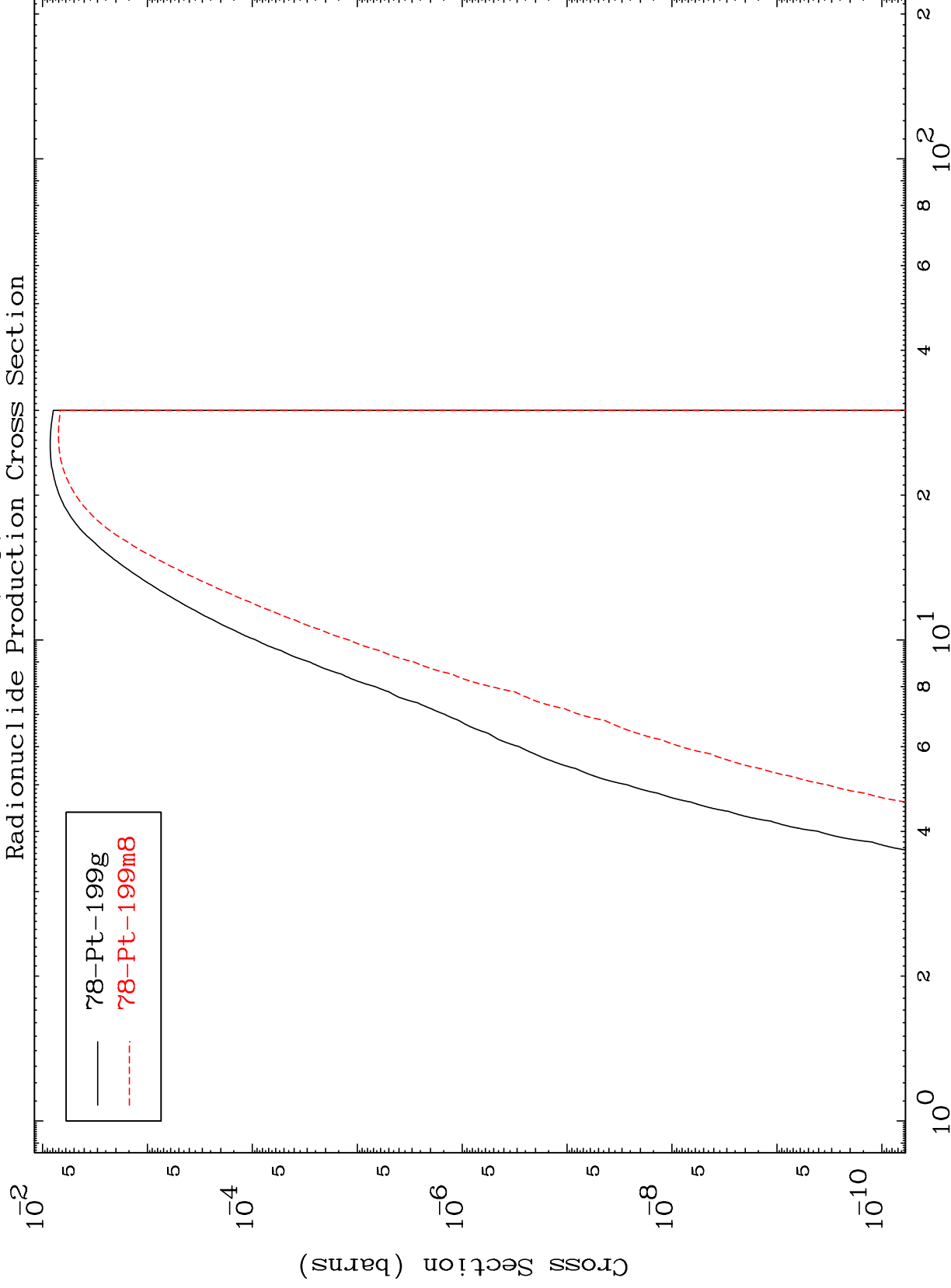
94

⁷⁹Au-199

MAT 7931

79-Au-199

Radionuclide Production Cross Section (n,p)



95

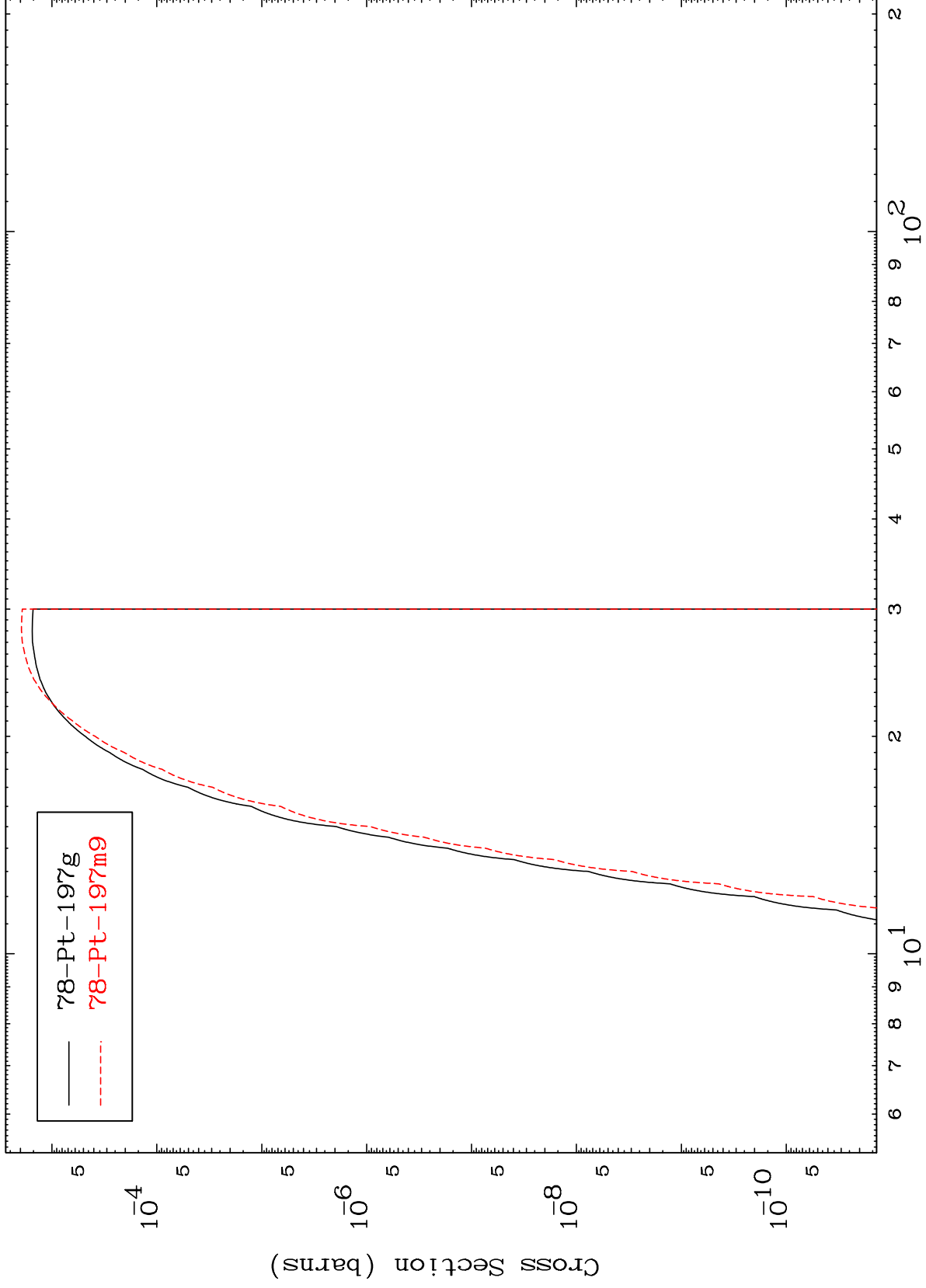
Incident Energy (MeV)

79-Au-199

MAT 7931

79-Au-199

Radionuclide Production Cross Section
(n, t)



96

Incident Energy (MeV)

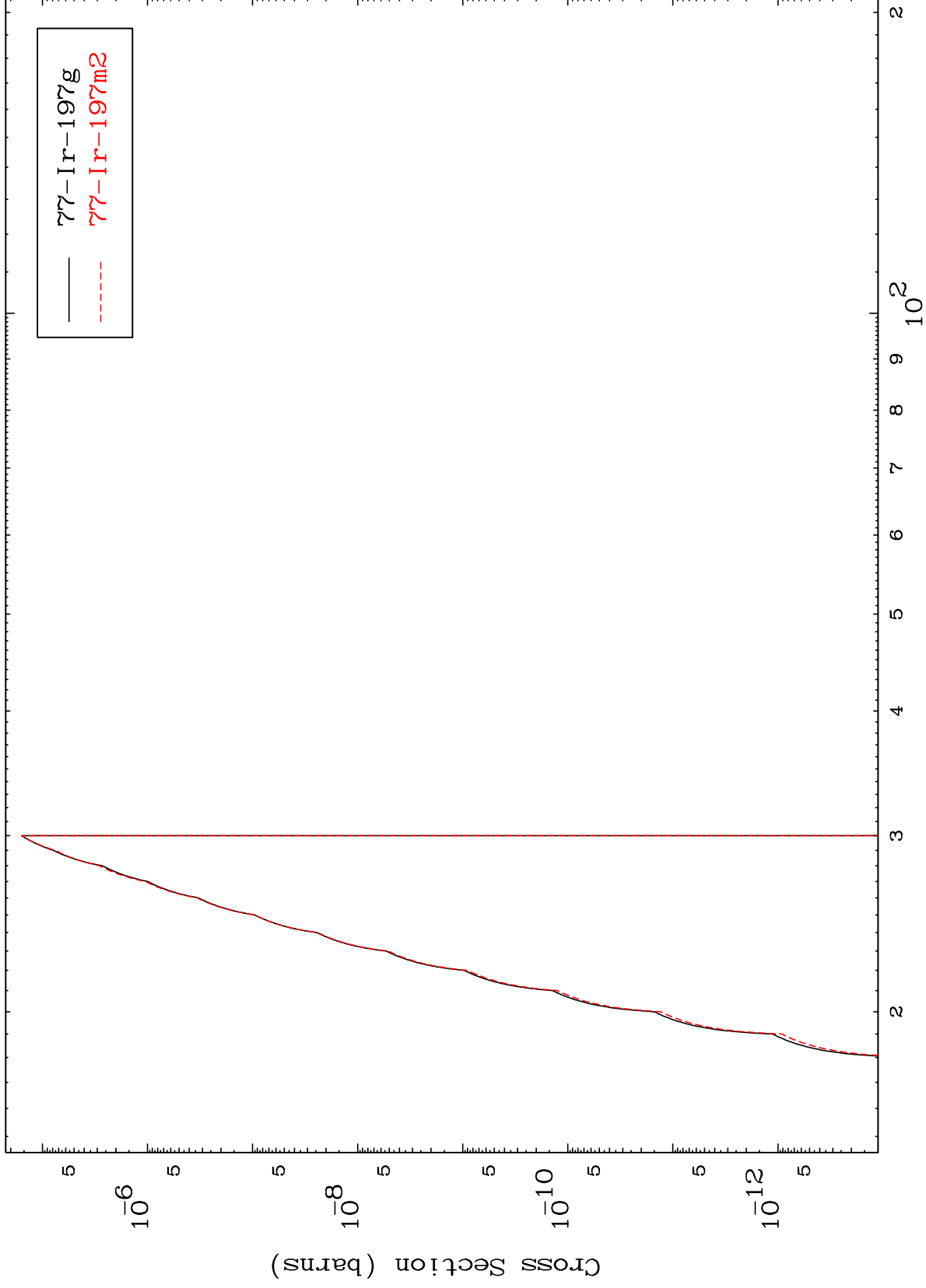
79-Au-199

MAT 7931

(n,He-3)

79-Au-199

Radionuclide Production Cross Section



97

Incident Energy (MeV)

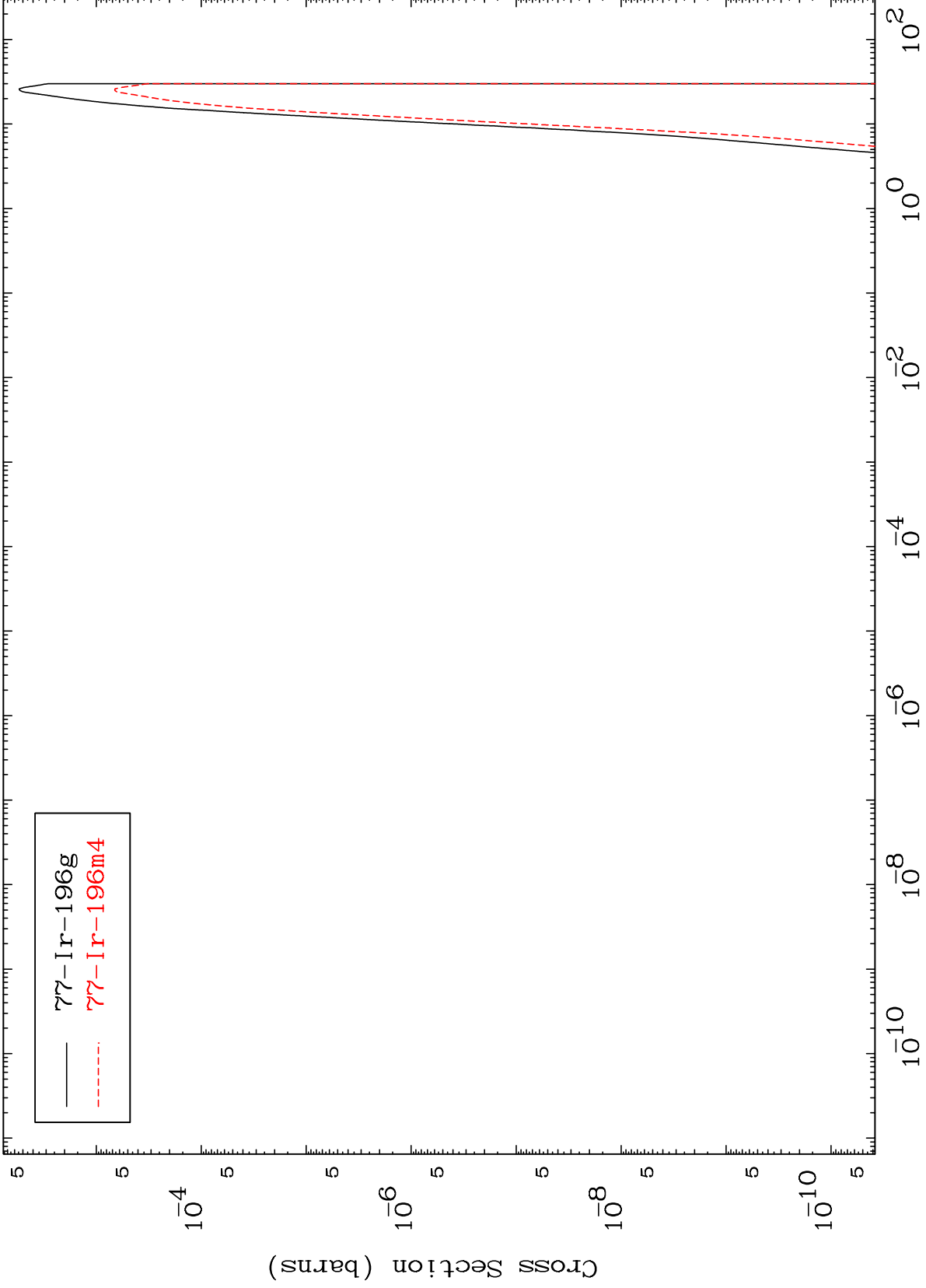
79-Au-199

MAT 7931

(n, α)

⁷⁹Au-199

Radionuclide Production Cross Section



— ⁷⁷Ir-196g
- - - ⁷⁷Ir-196m4

98

Incident Energy (MeV)

⁷⁹Au-199