

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

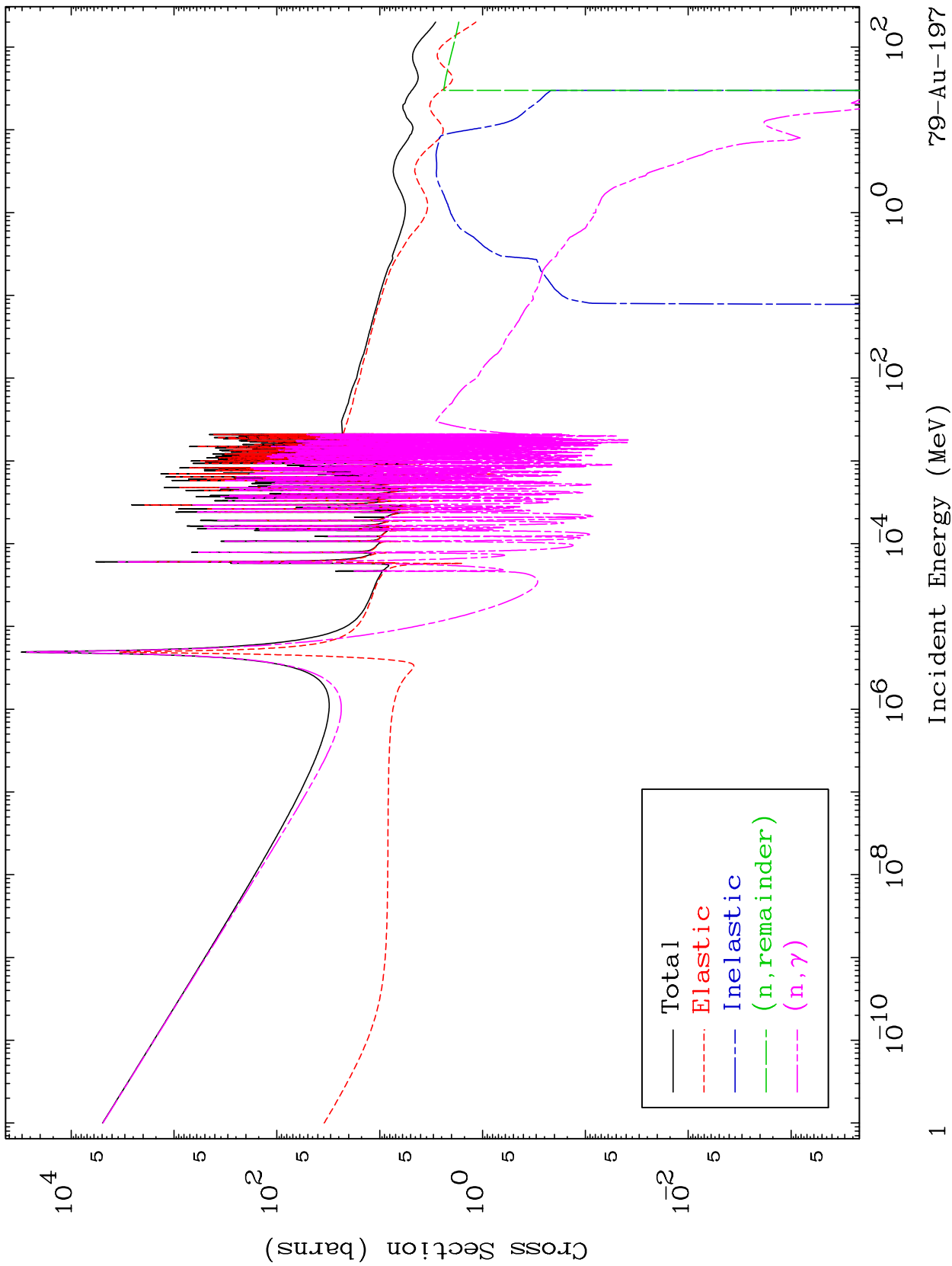
Press Mouse Button to Start

MAT 7925

Major

293 Kelvin Cross Sections

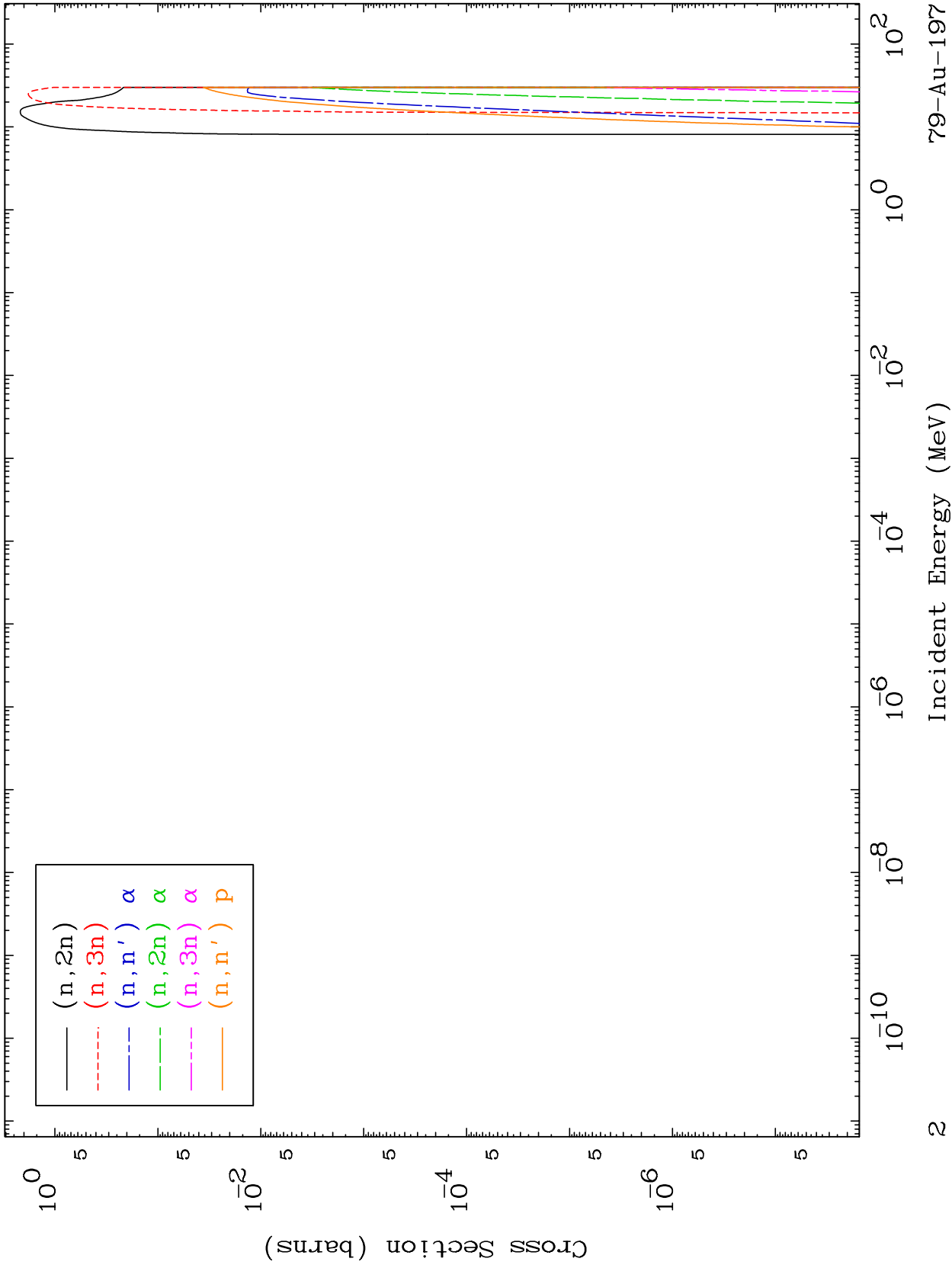
79-Au-197

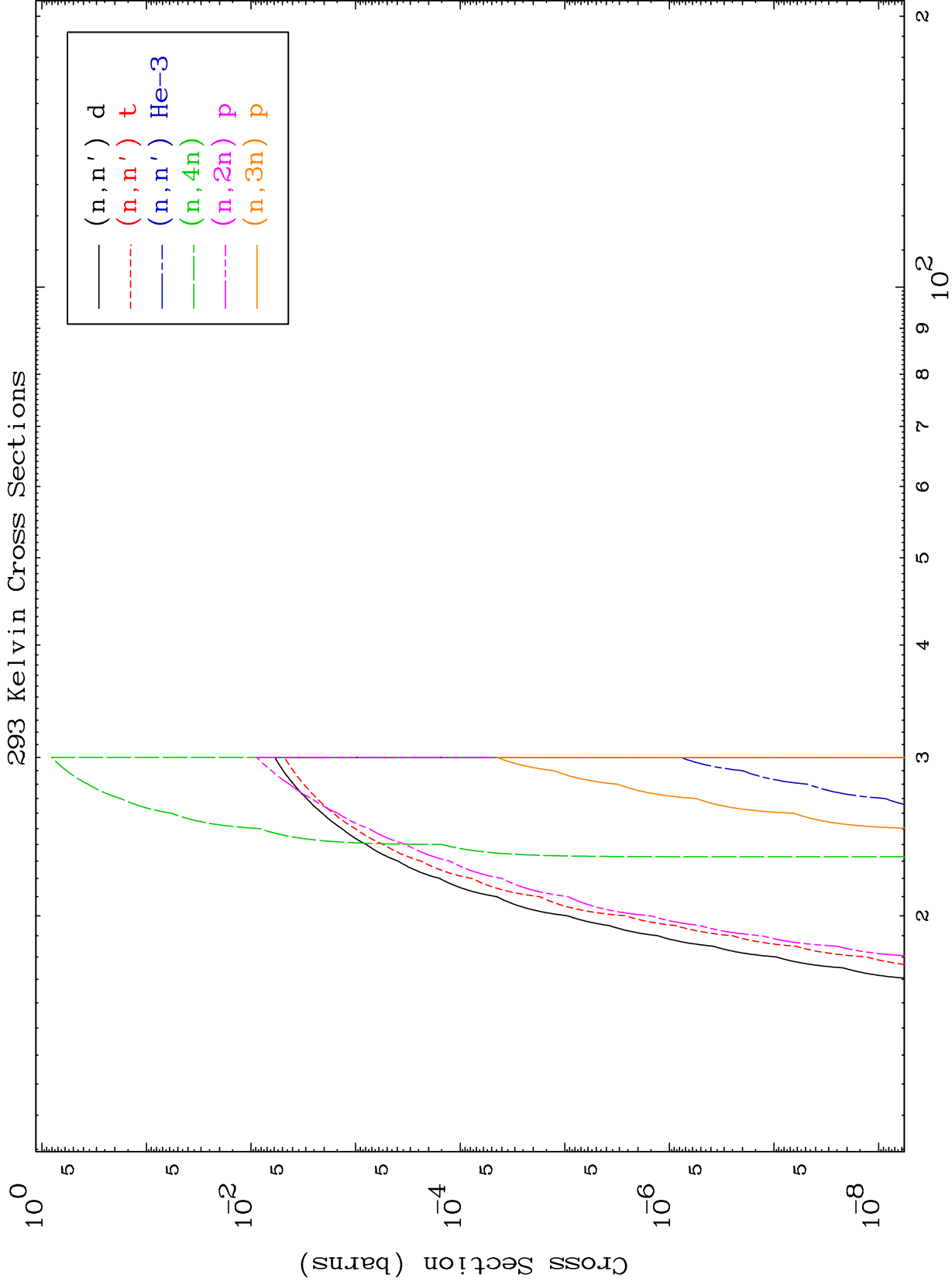


MAT 7925

Neutron Production
293 Kelvin Cross Sections

79-Au-197

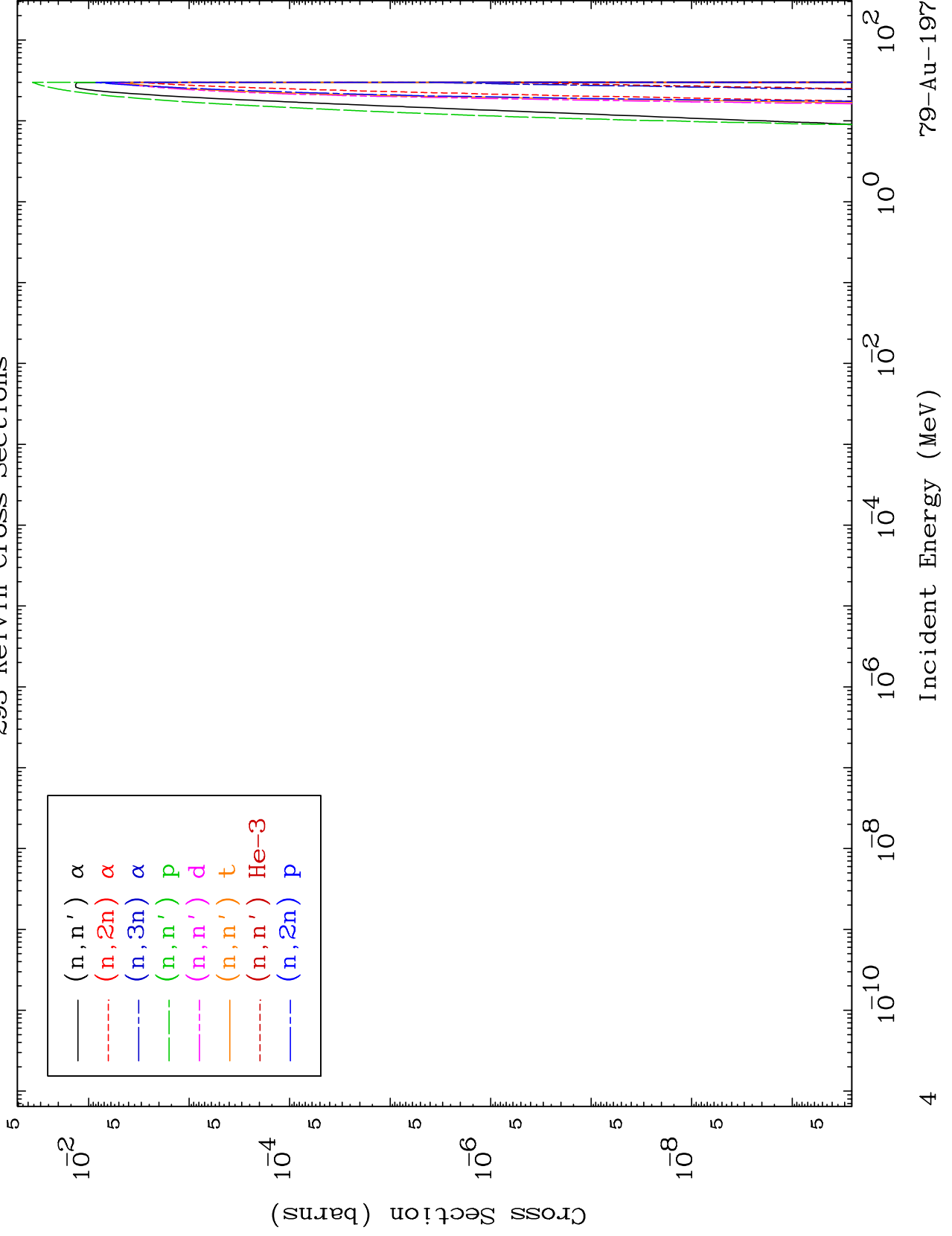




MAT 7925

Charged Particle
293 Kelvin Cross Sections

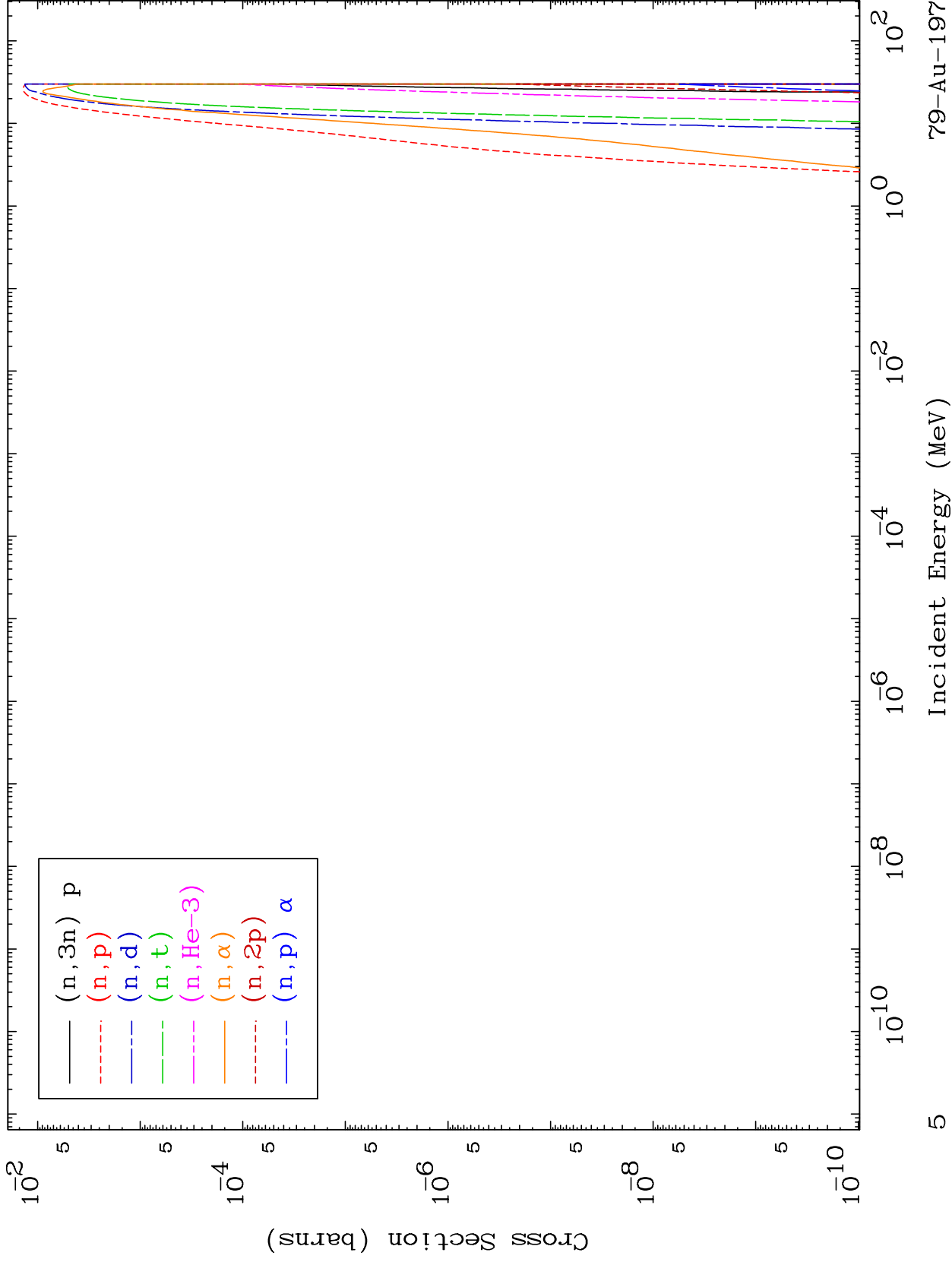
79-Au-197



MAT 7925

Charged Particle
293 Kelvin Cross Sections

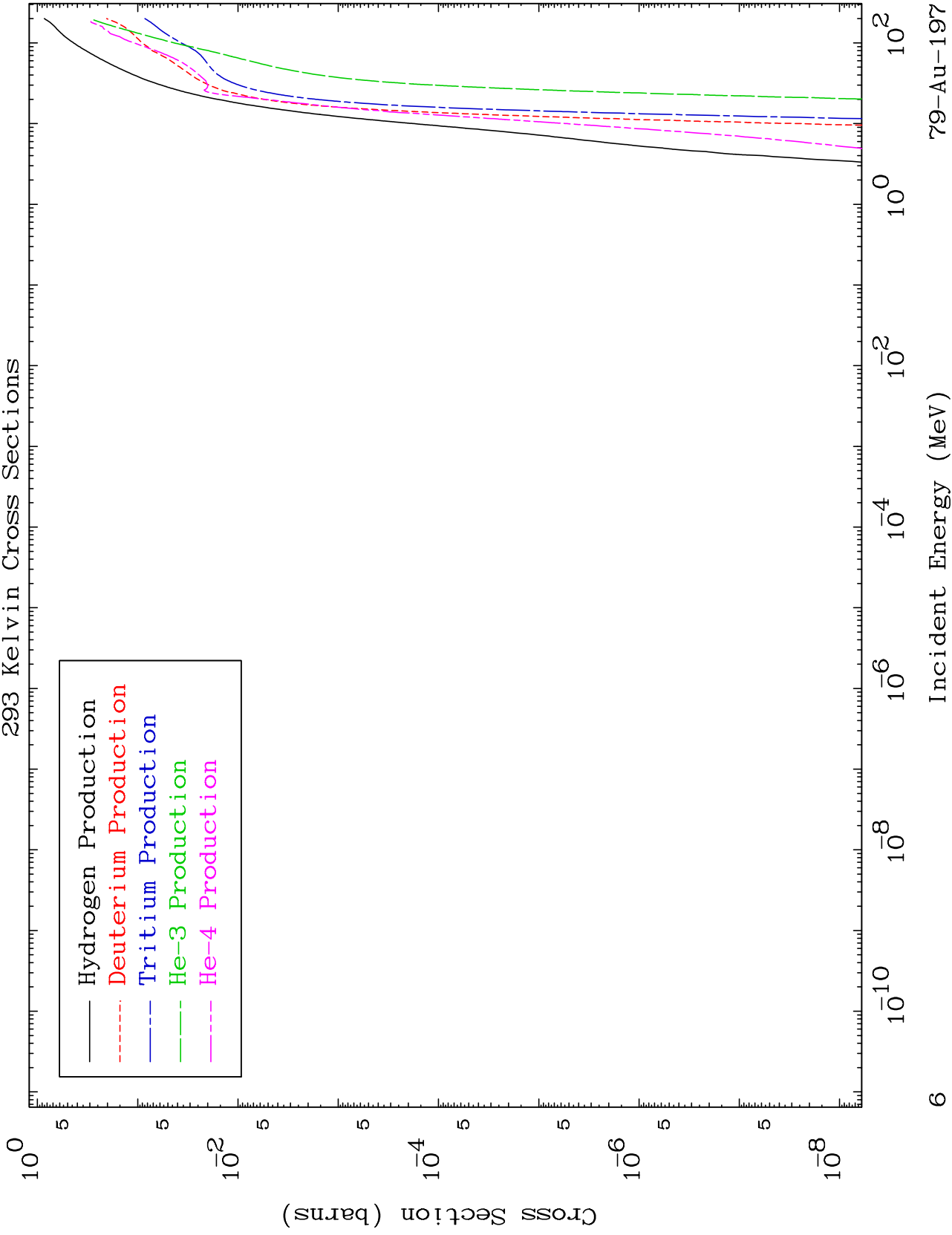
79-Au-197



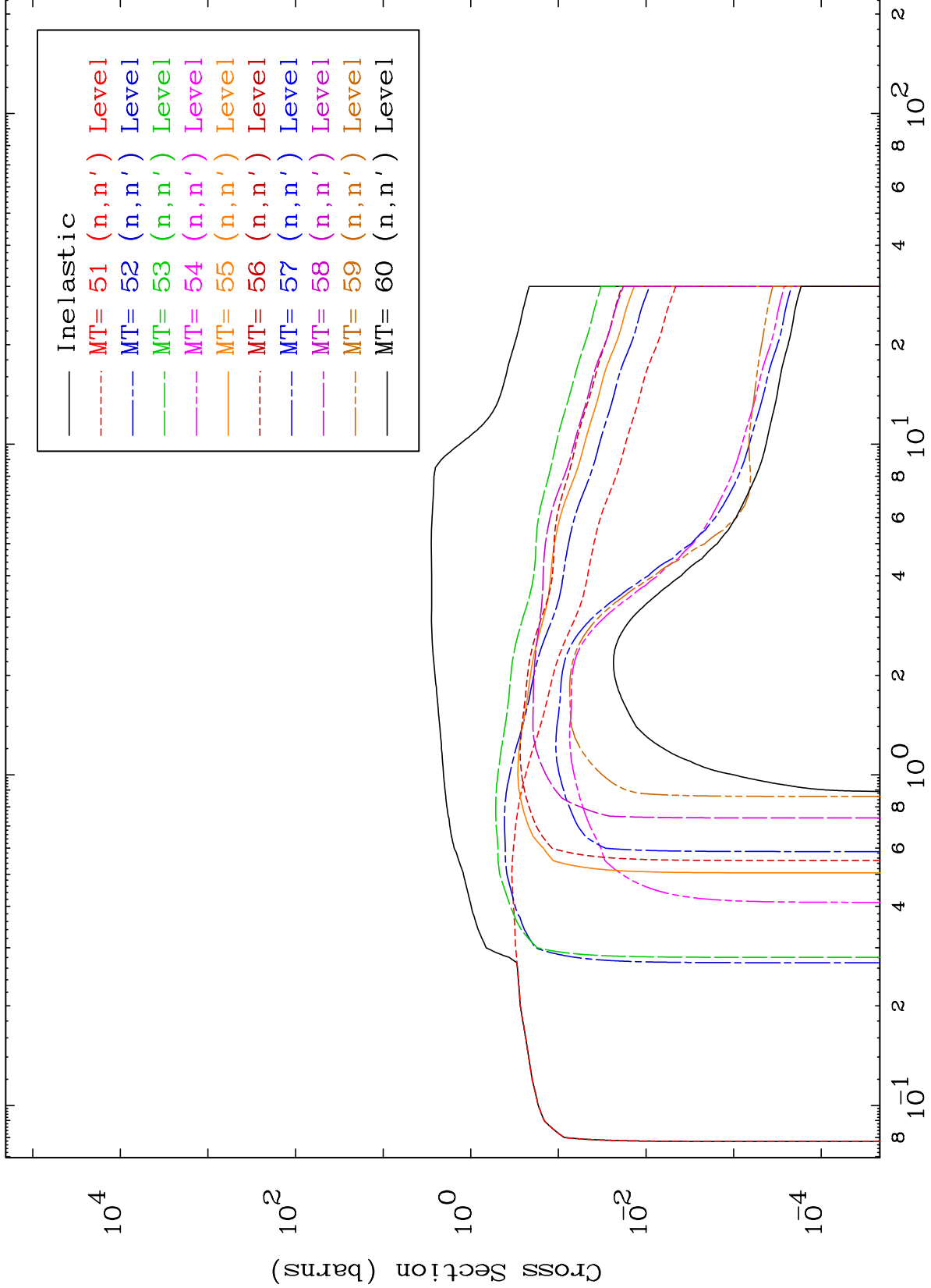
MAT 7925

Particle Production
293 Kelvin Cross Sections

79-Au-197



293 Kelvin Cross Sections

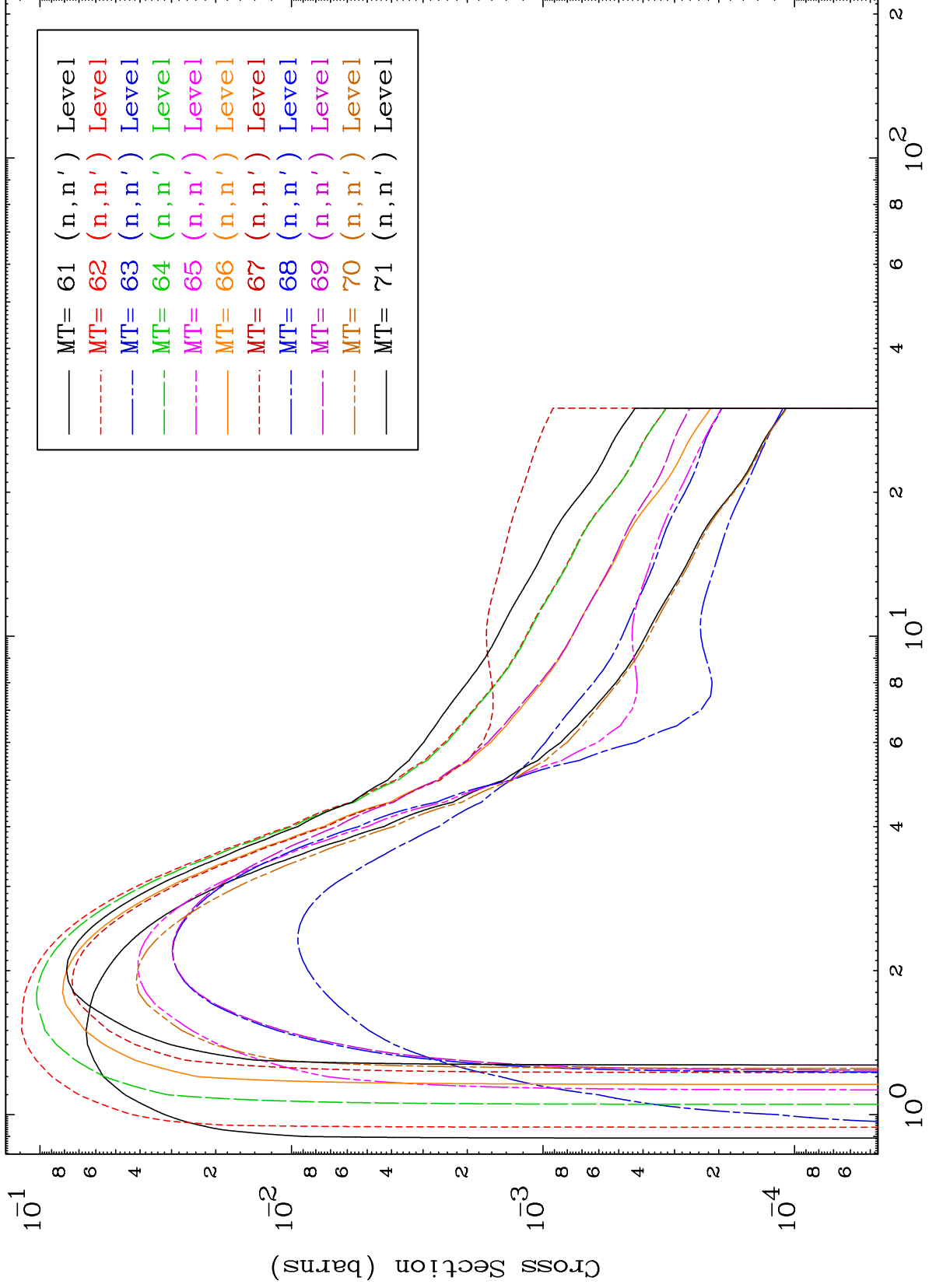


MAT 7925

(n,n') Level

79-Au-197

293 Kelvin Cross Sections

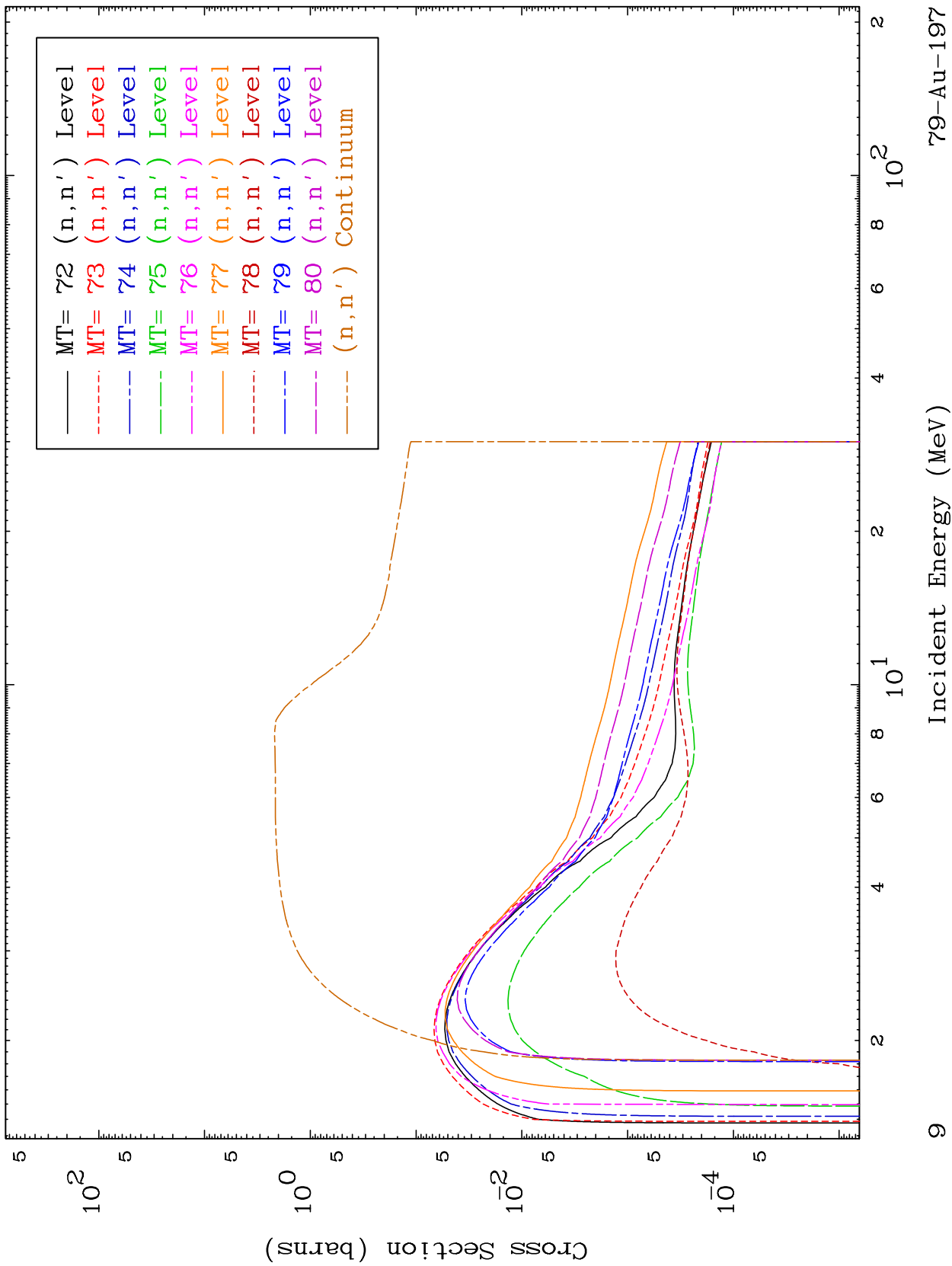


Incident Energy (MeV)

79-Au-197

8

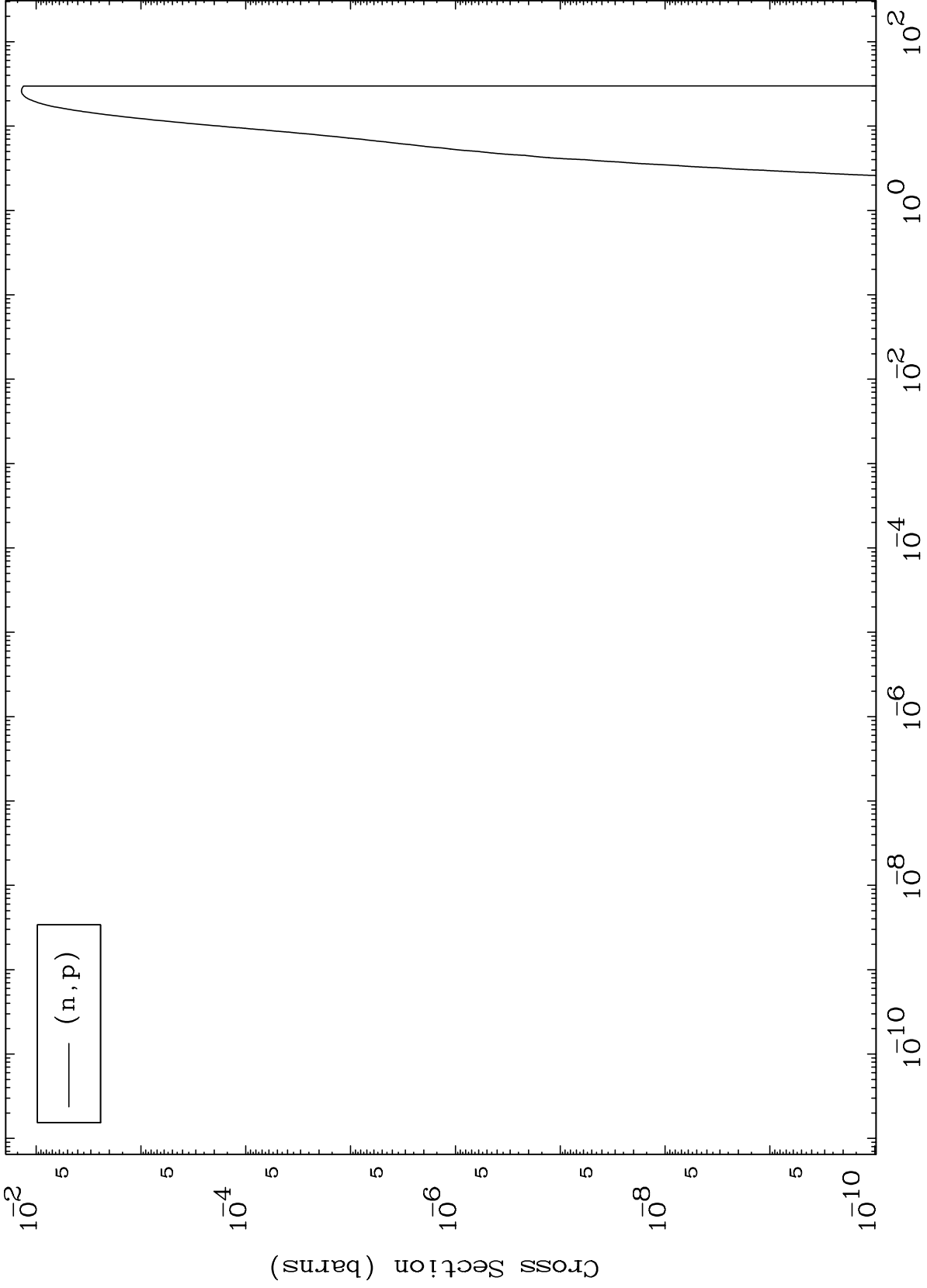
293 Kelvin Cross Sections



MAT 7925

(n,p) Levels
293 Kelvin Cross Sections

79-Au-197



10

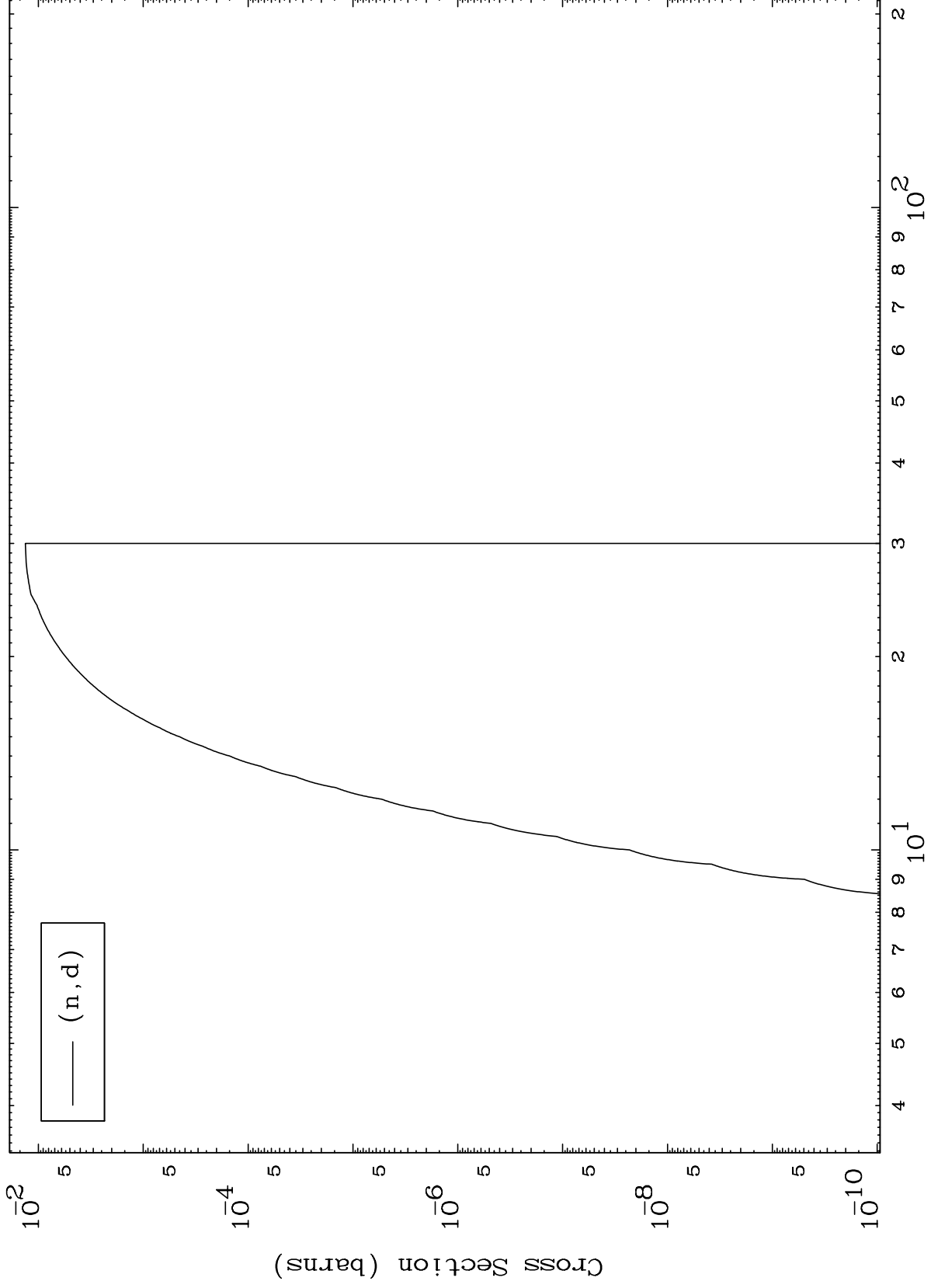
Incident Energy (MeV)

79-Au-197

MAT 7925

(n,d) Levels
293 Kelvin Cross Sections

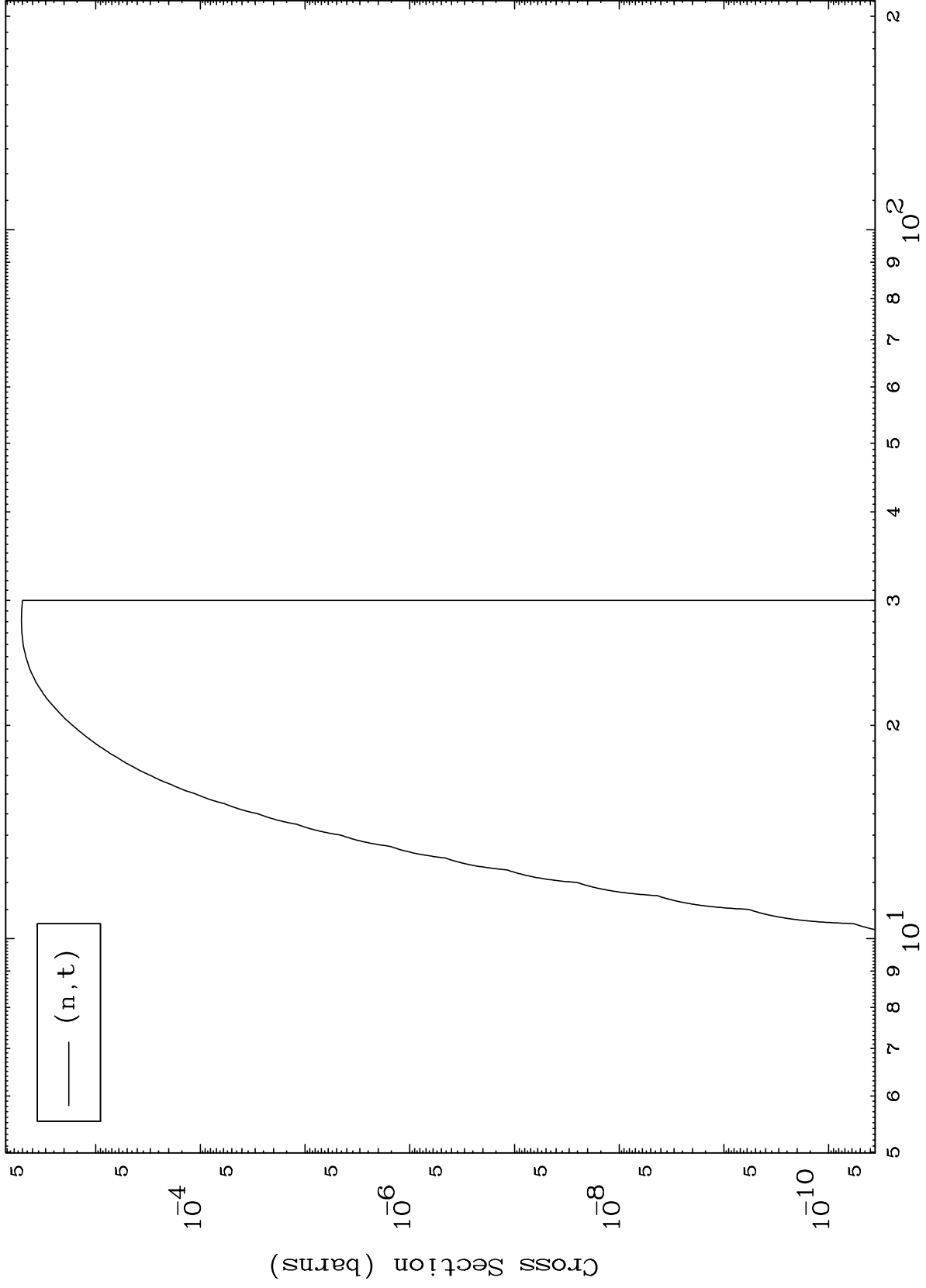
79-Au-197



MAT 7925

(n,t) Levels
293 Kelvin Cross Sections

79-Au-197



12

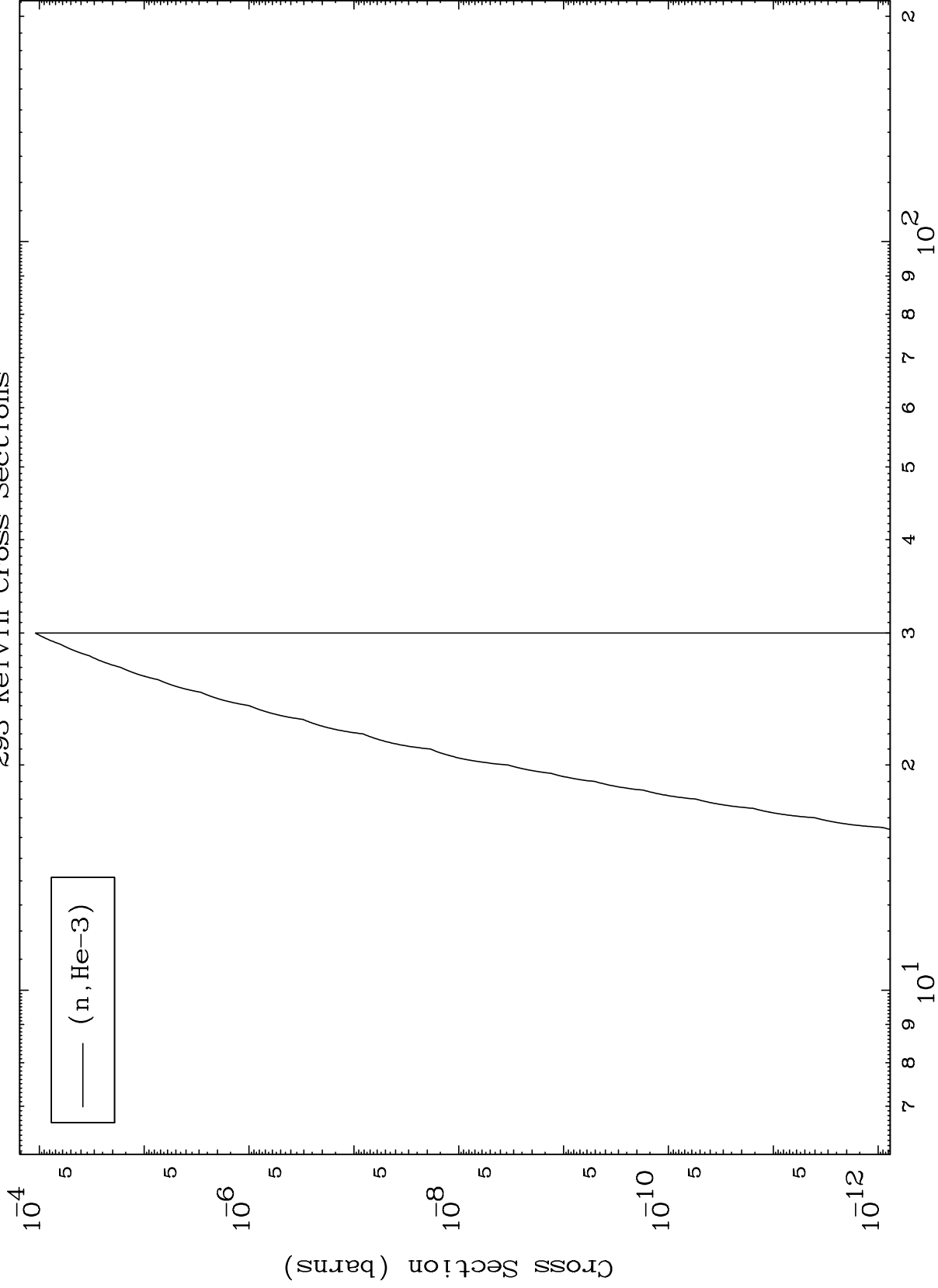
Incident Energy (MeV)

79-Au-197

MAT 7925

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-197



13

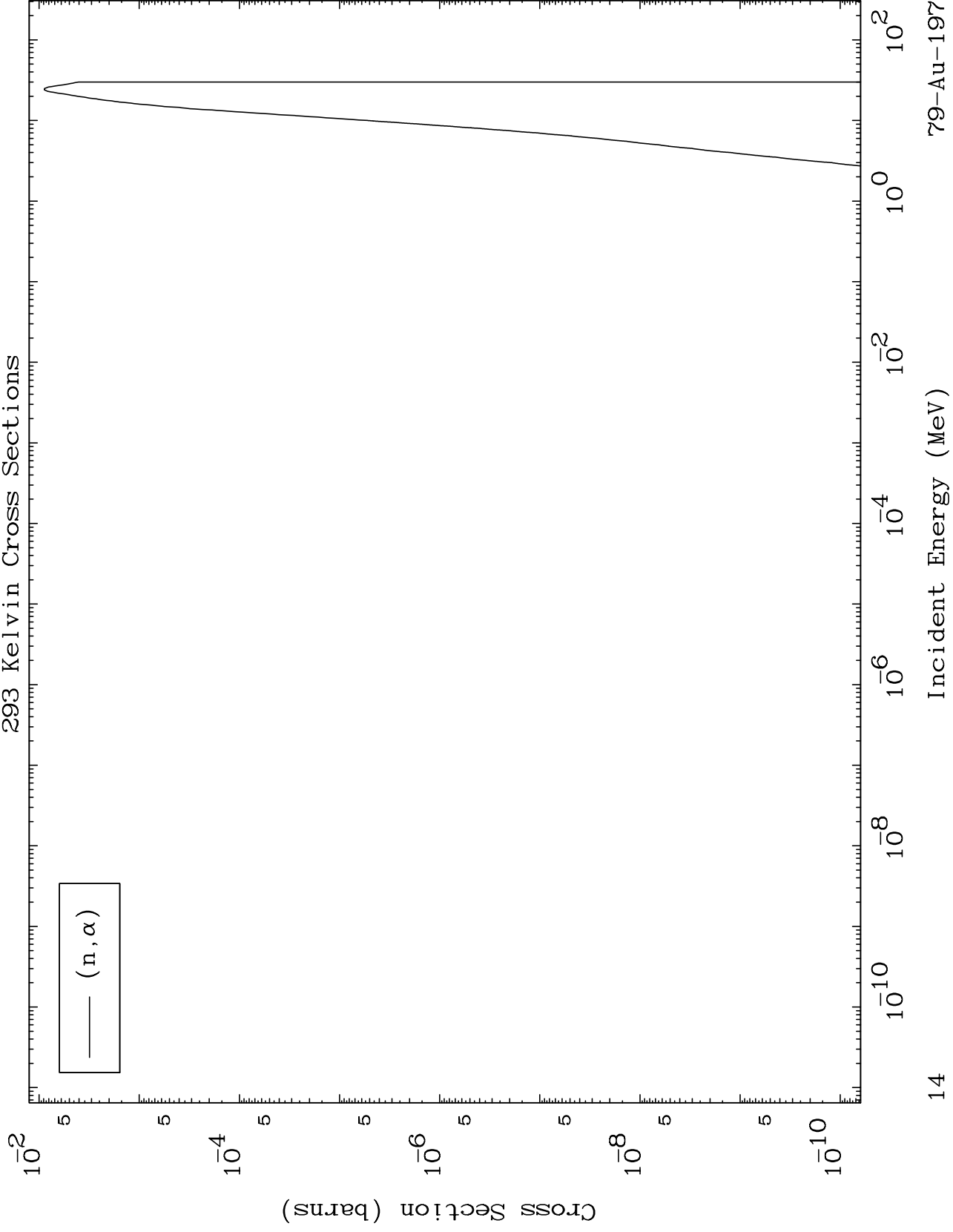
Incident Energy (MeV)

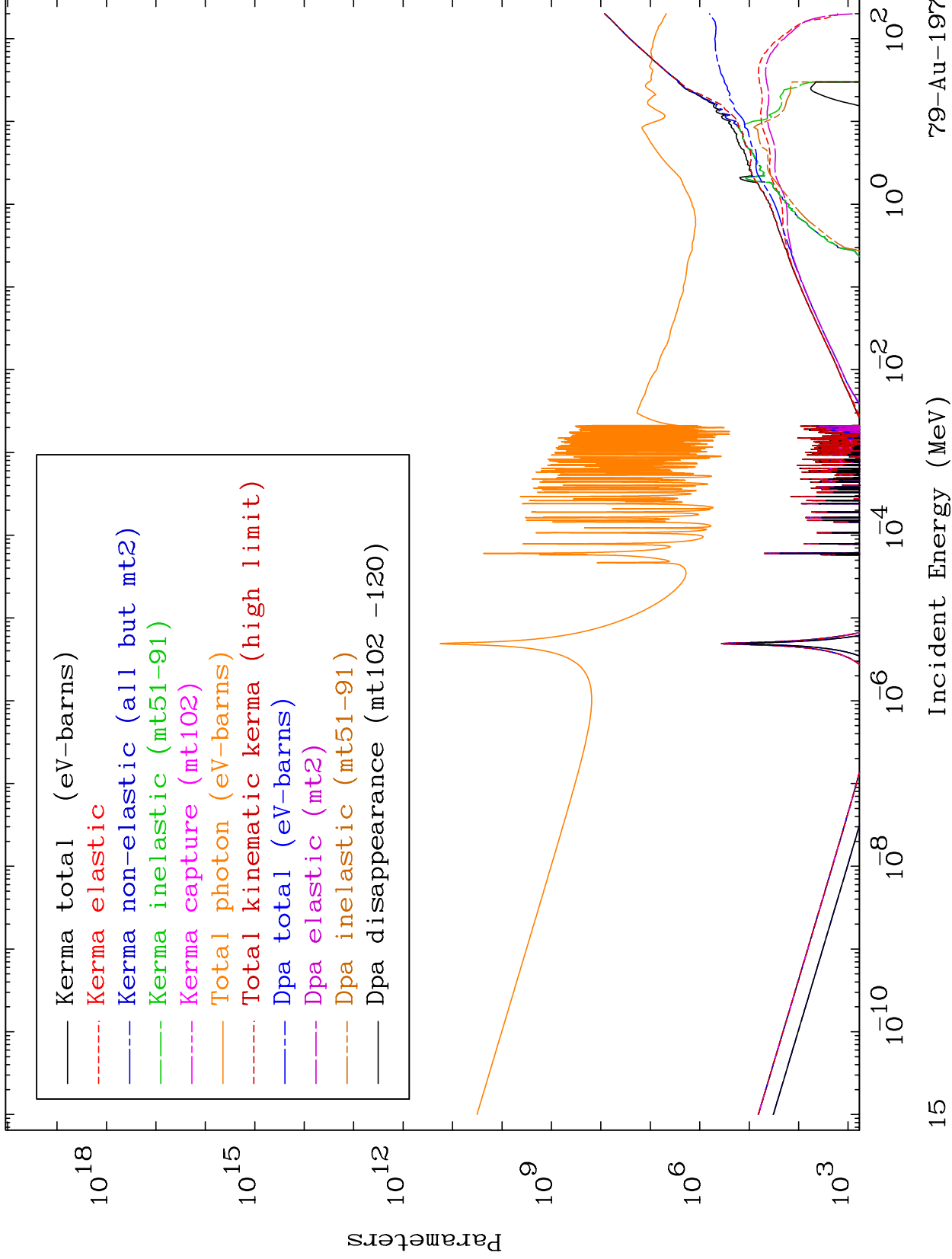
79-Au-197

MAT 7925

(n, α) Levels
293 Kelvin Cross Sections

79-Au-197

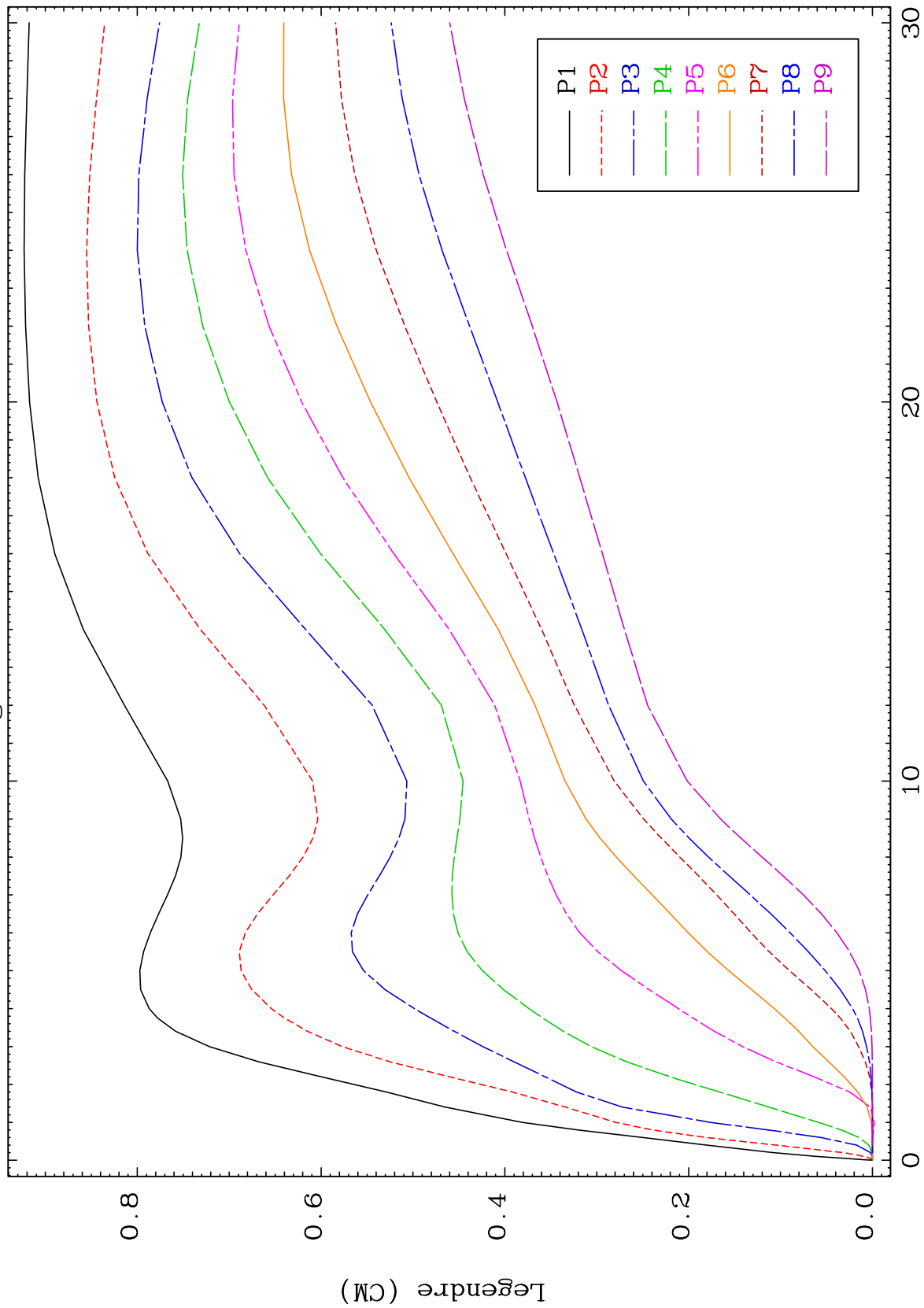




MAT 7925

Elastic Legendre Coefficients

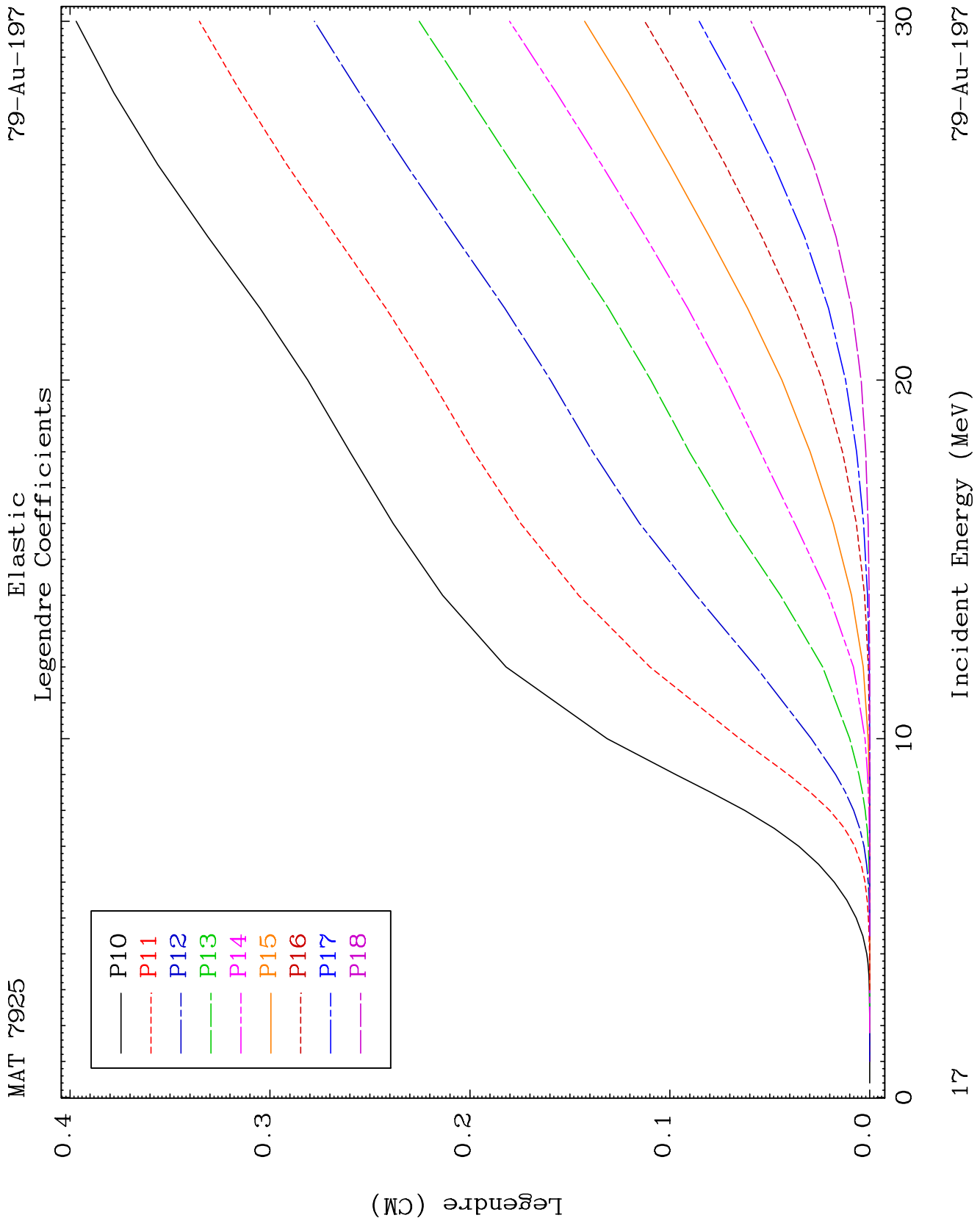
79-Au-197



16

Incident Energy (MeV)

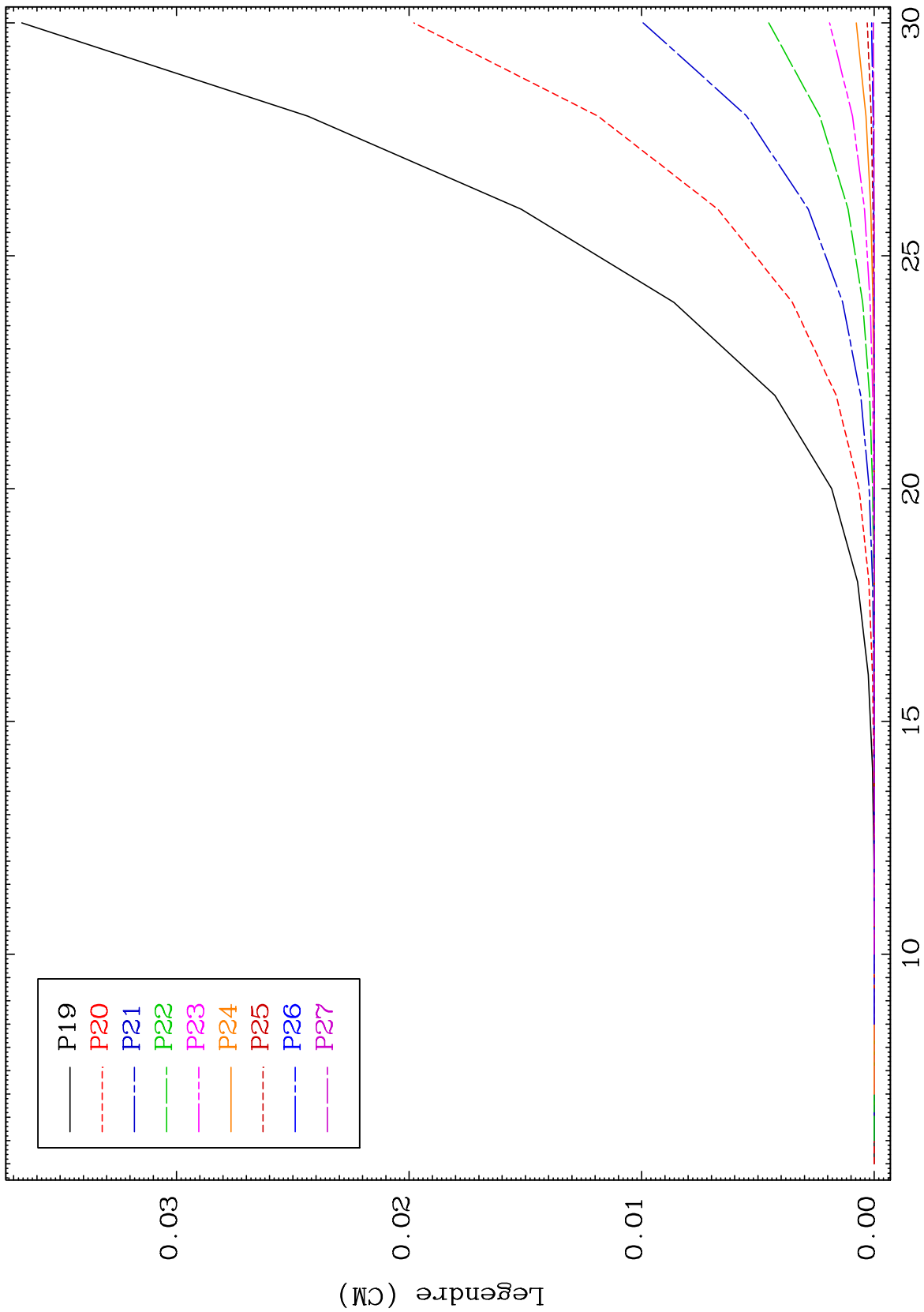
79-Au-197



MAT 7925

Elastic Legendre Coefficients

79-Au-197



18

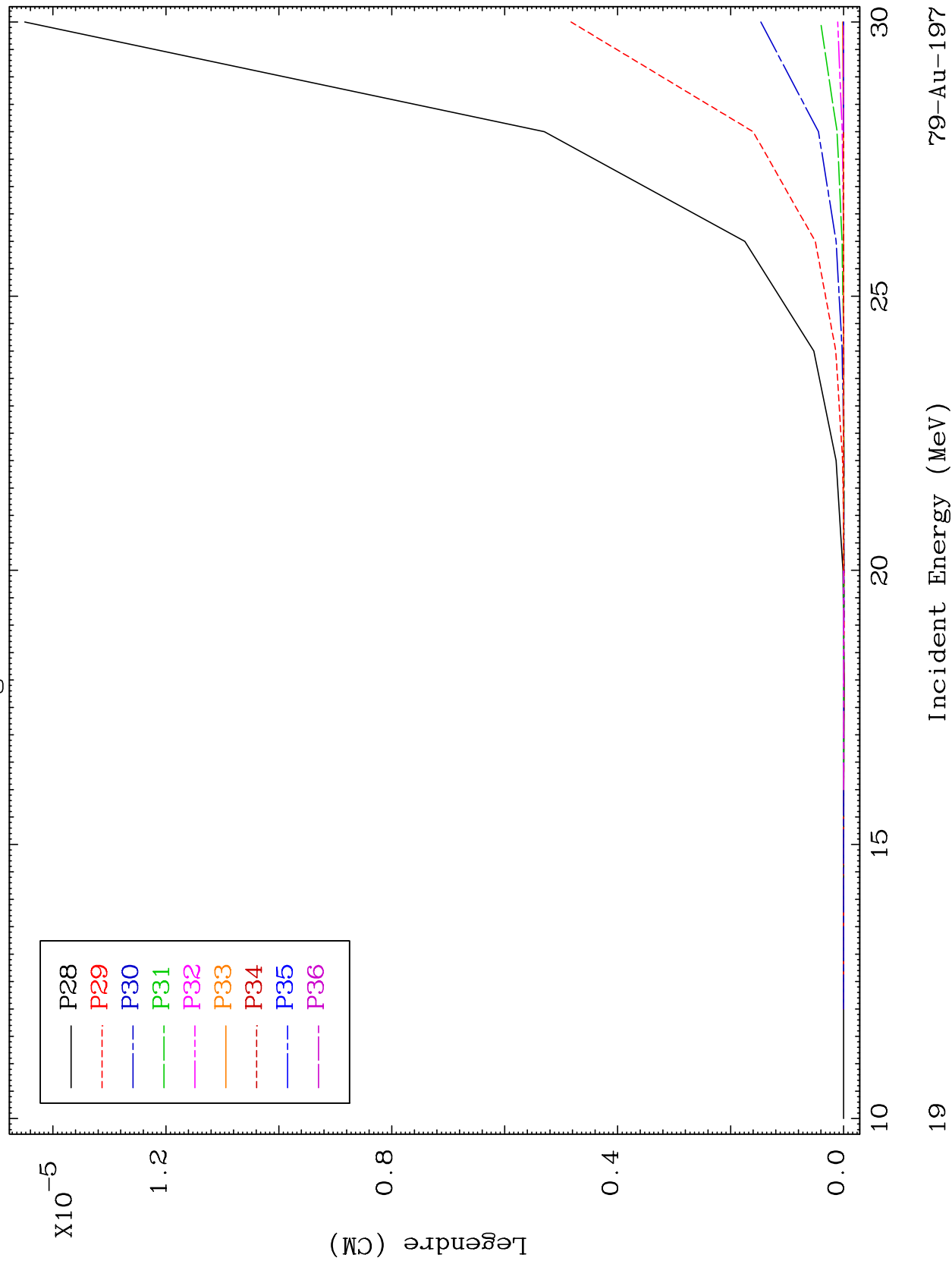
Incident Energy (MeV)

79-Au-197

MAT 7925

Elastic Legendre Coefficients

79-Au-197



79-Au-197

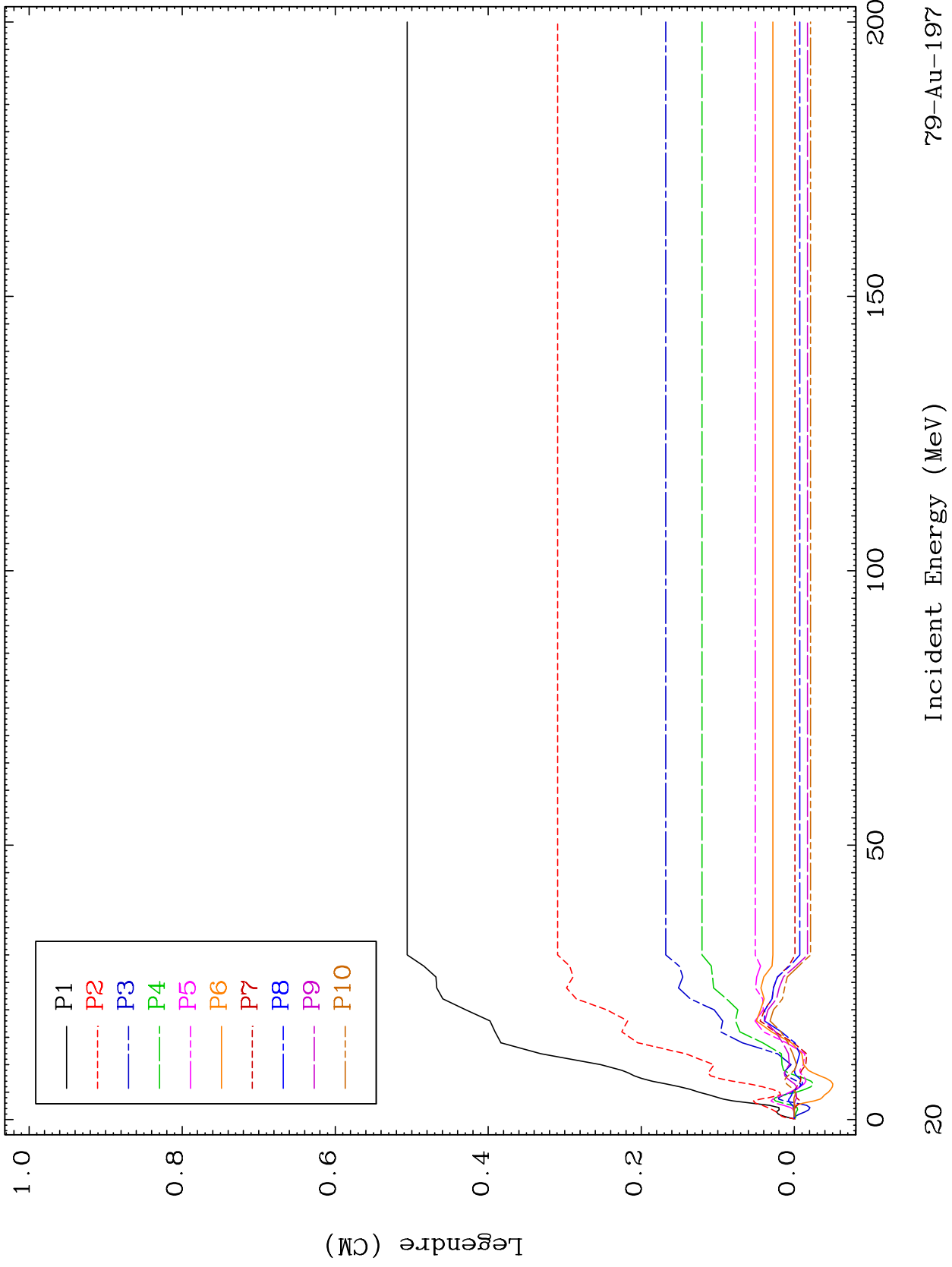
Incident Energy (MeV)

19

MAT 7925

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

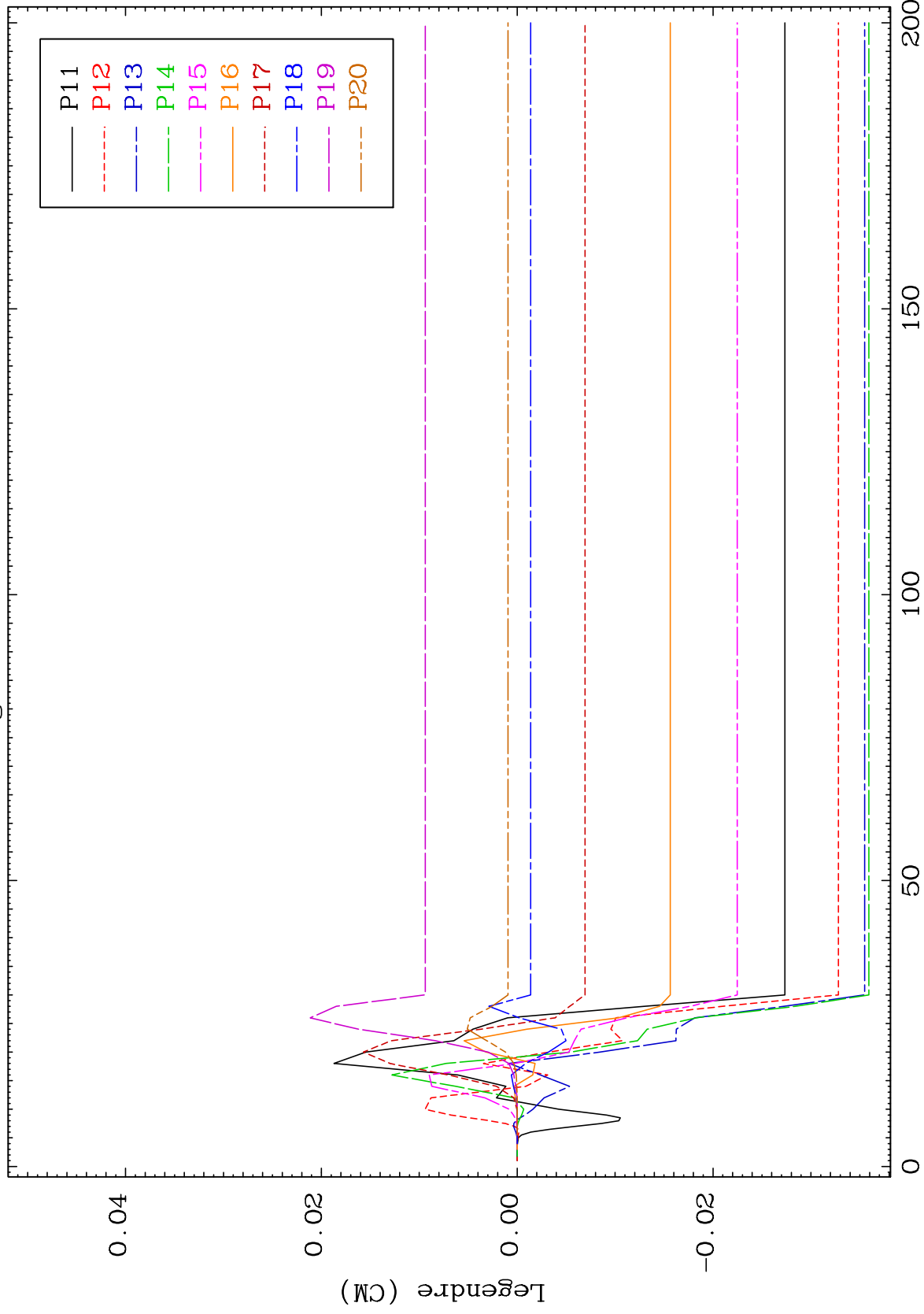
79-Au-197



MAT 7925

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

79-Au-197



21

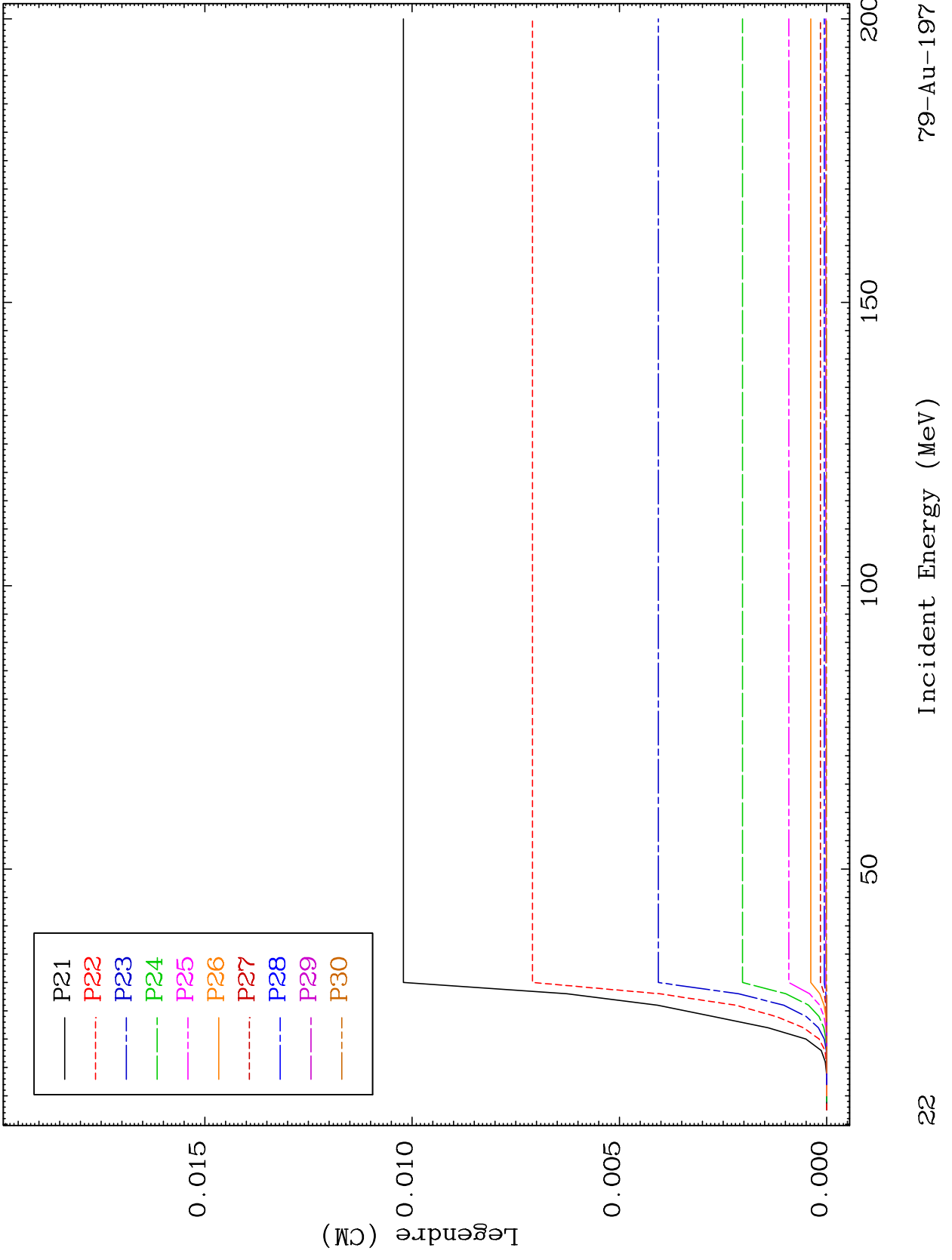
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



22

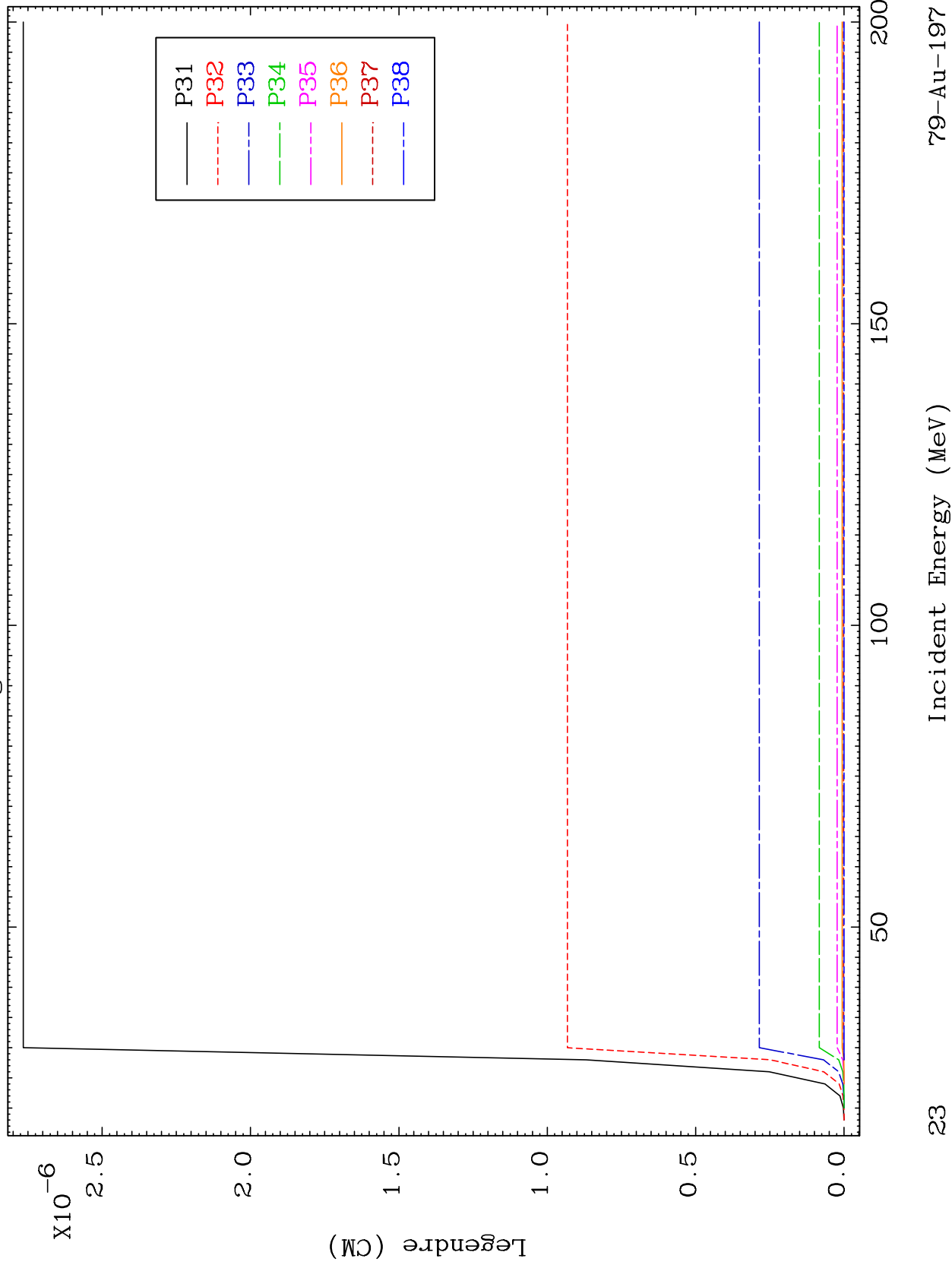
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



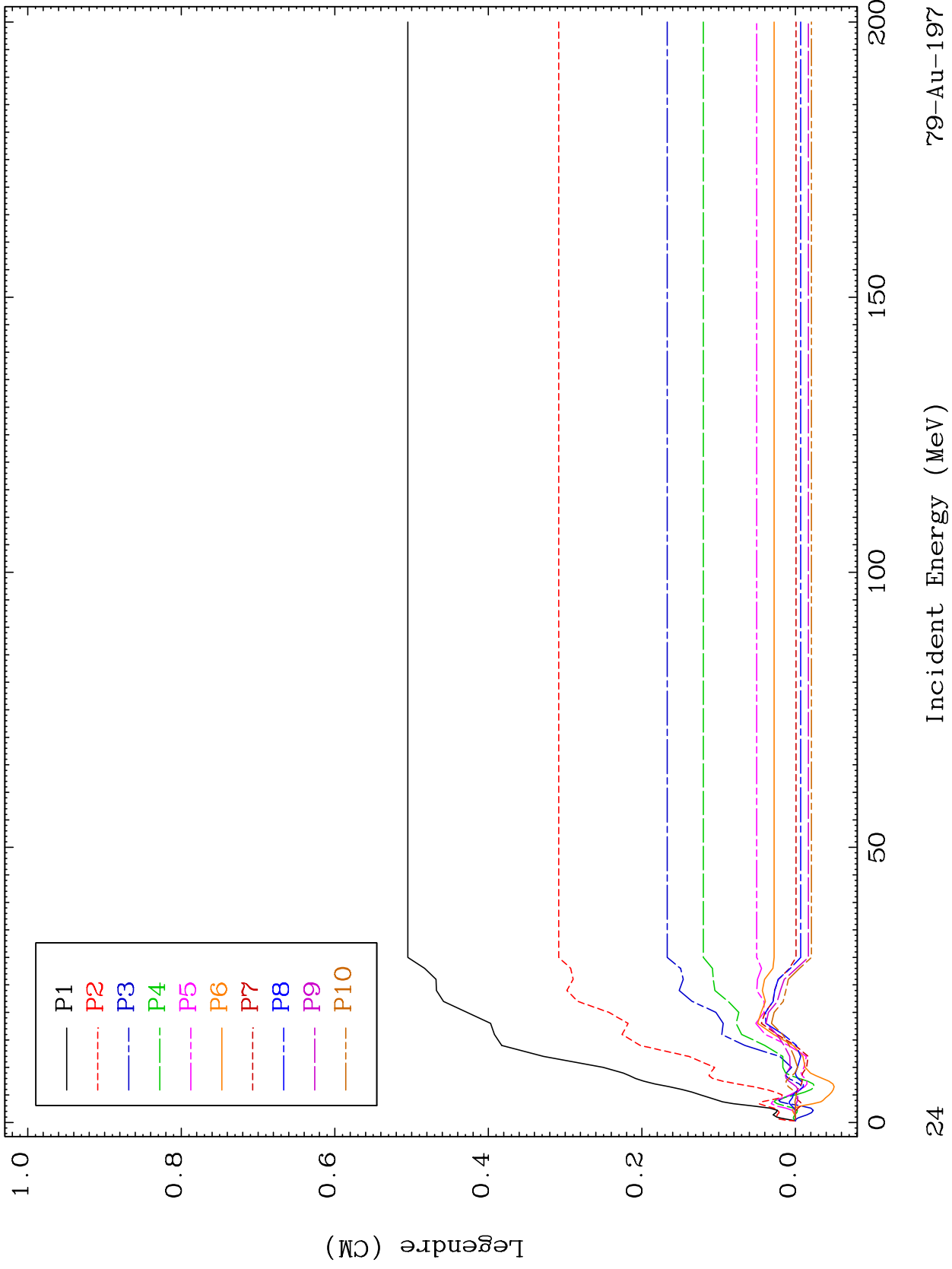
23

79-Au-197

MAT 7925

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

79-Au-197



24

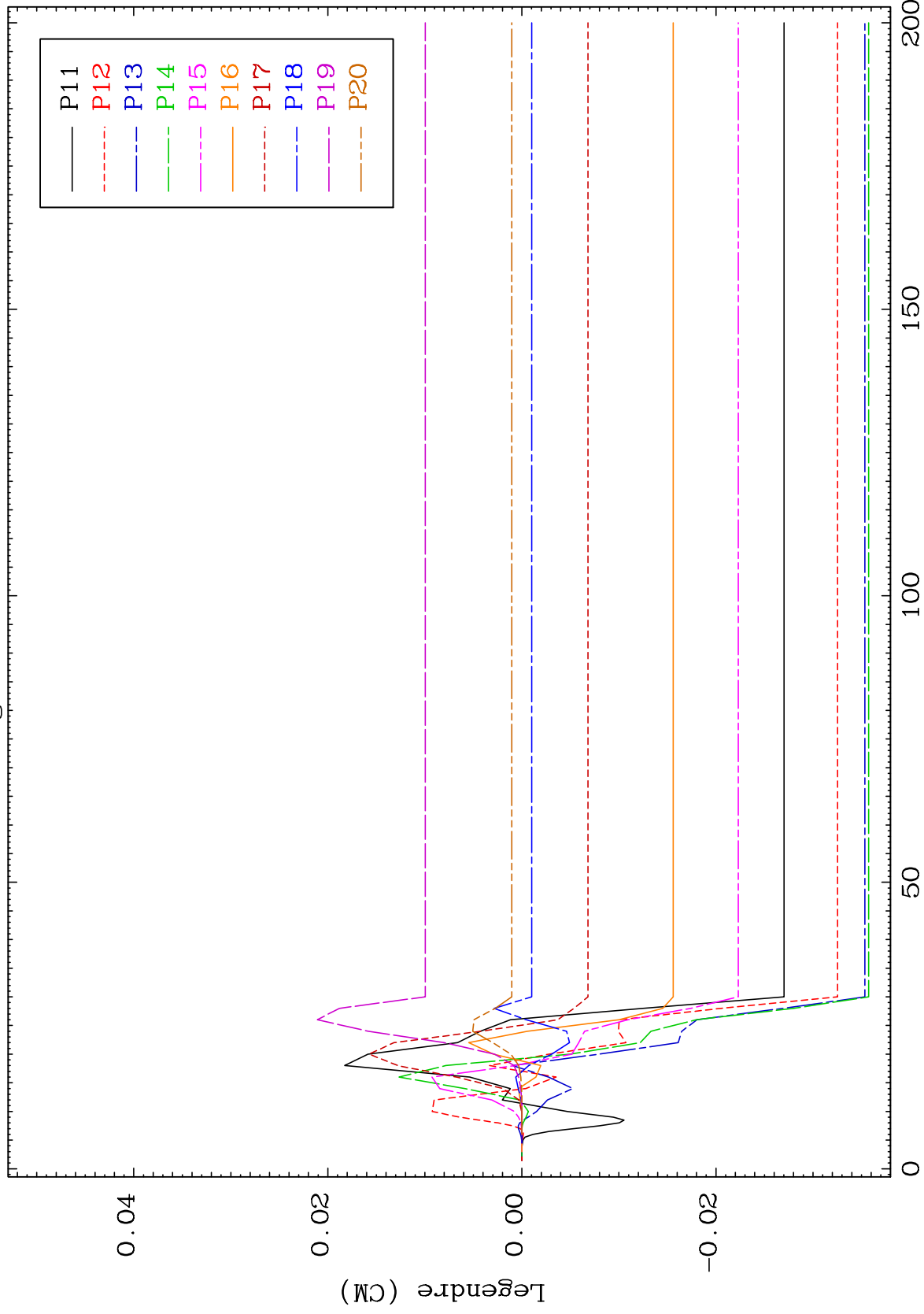
Incident Energy (MeV)

79-Au-197

MAT 7925

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

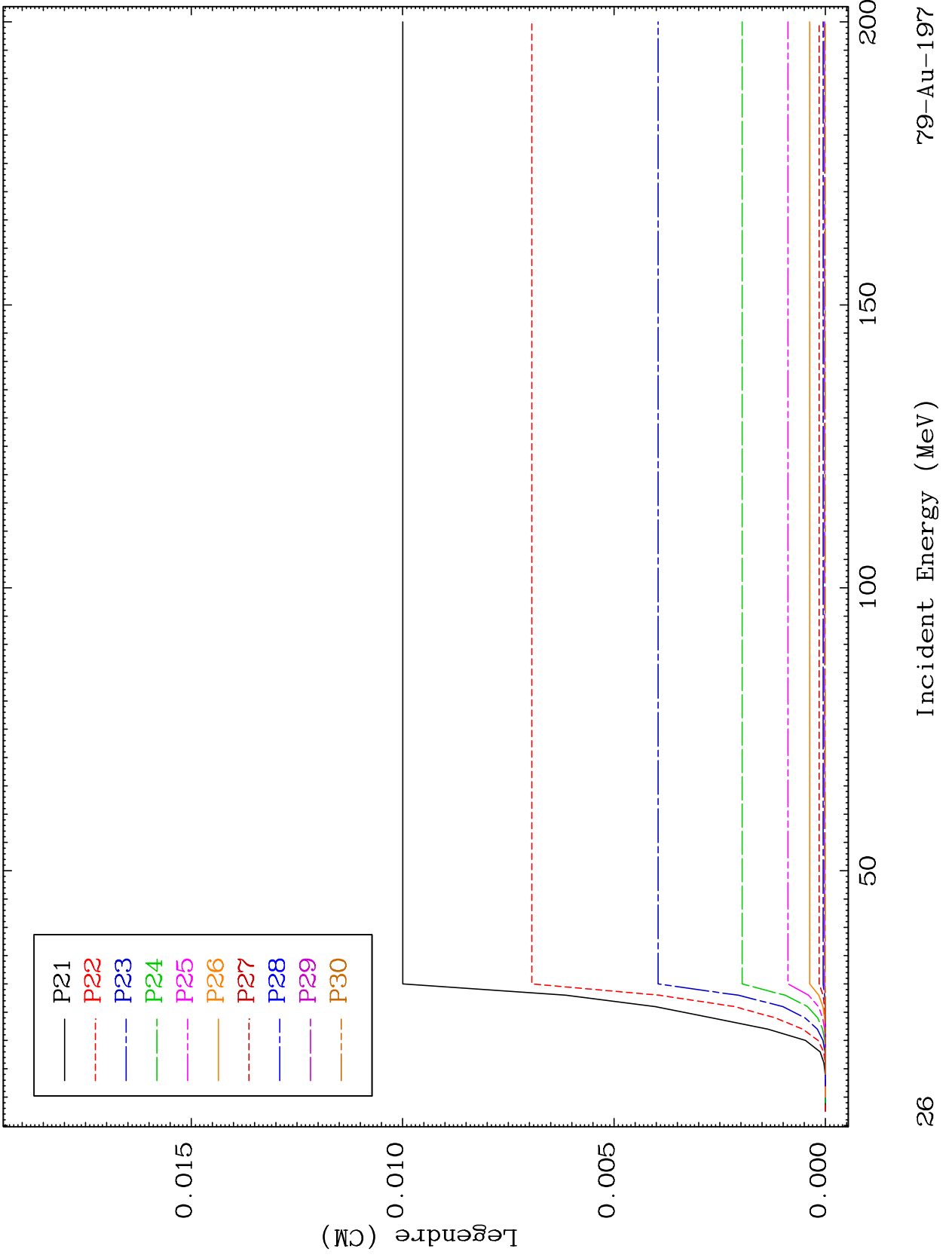
79-Au-197

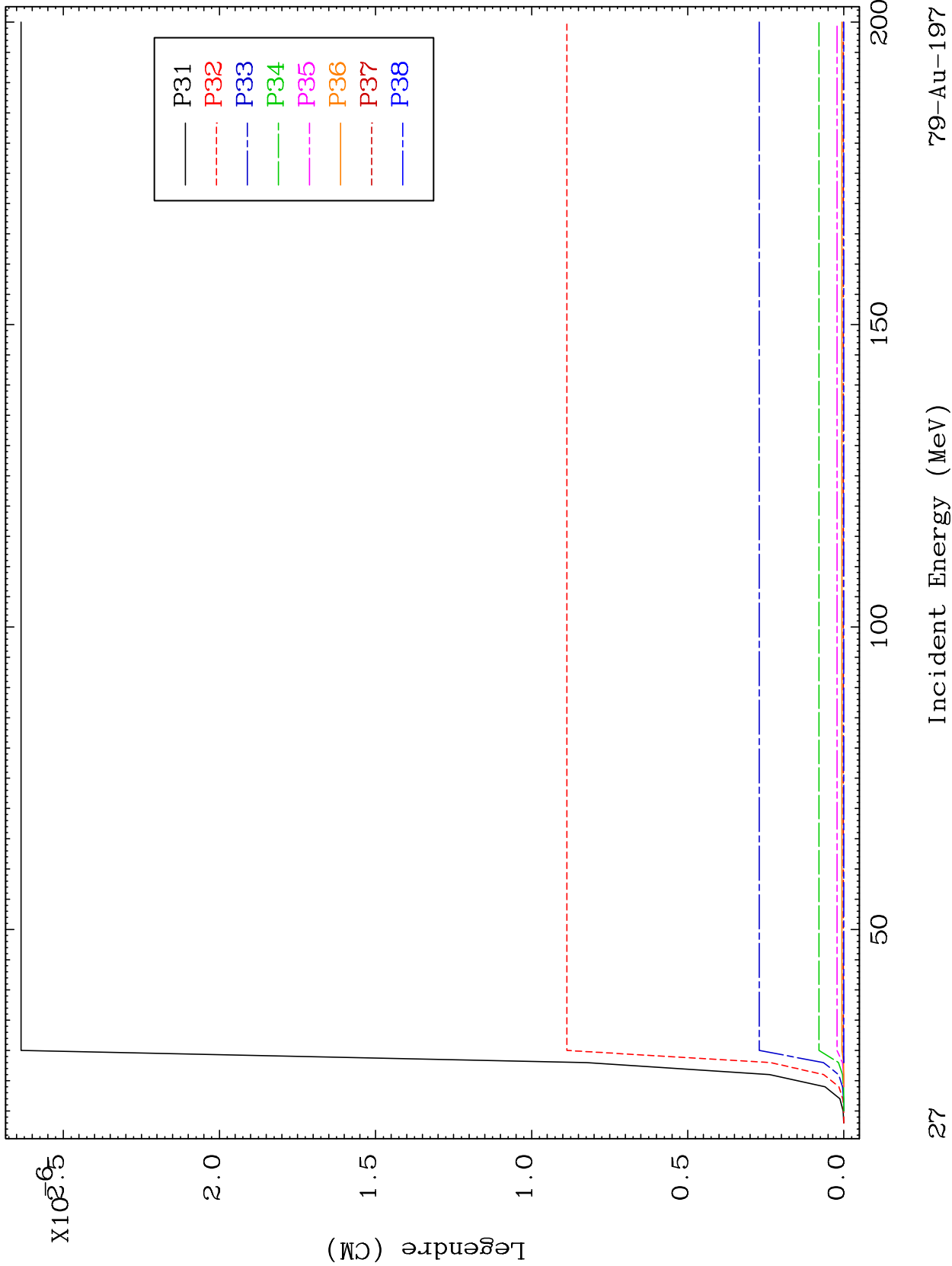


25

Incident Energy (MeV)

79-Au-197

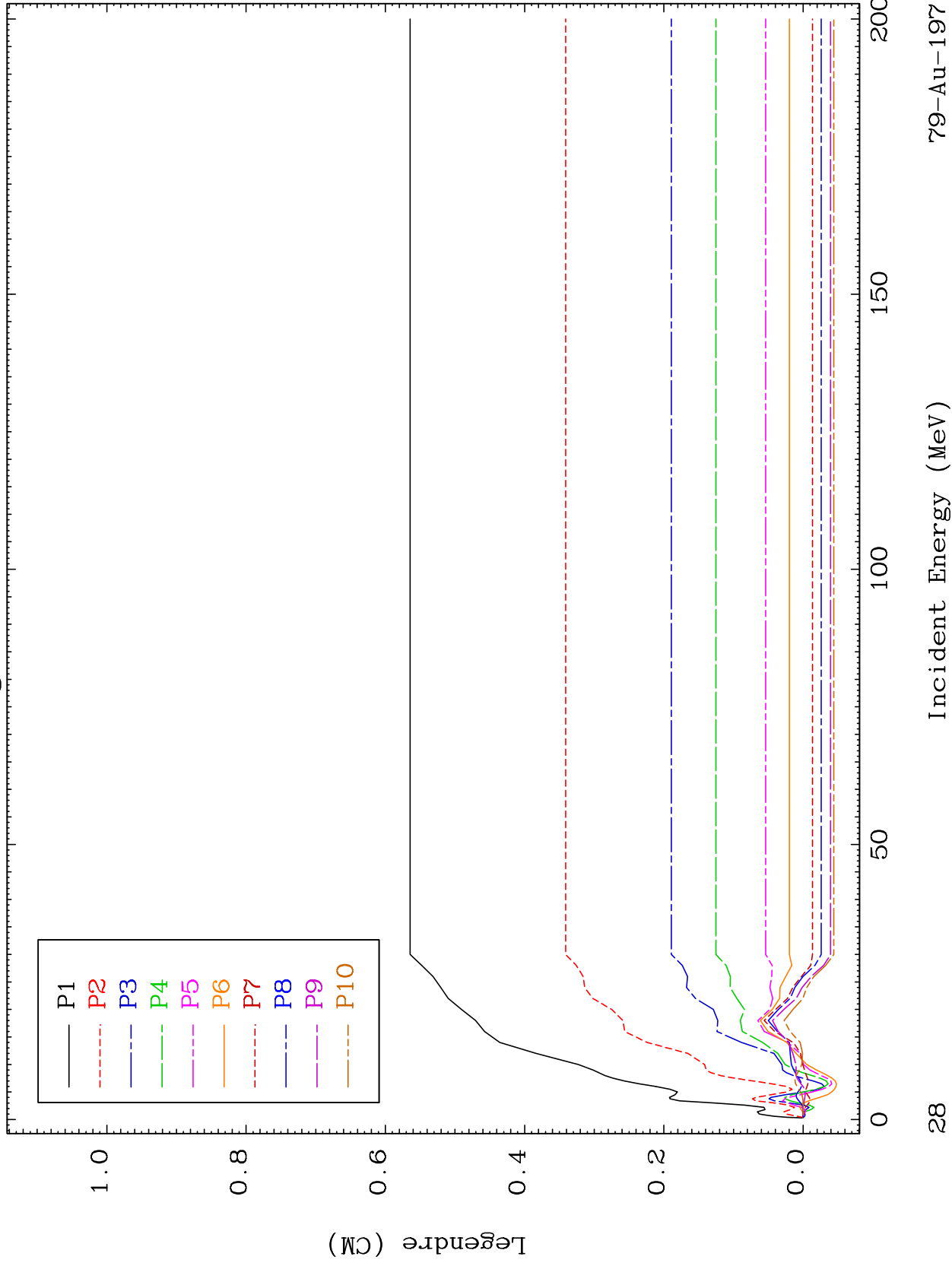




MAT 7925

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

79-Au-197



28

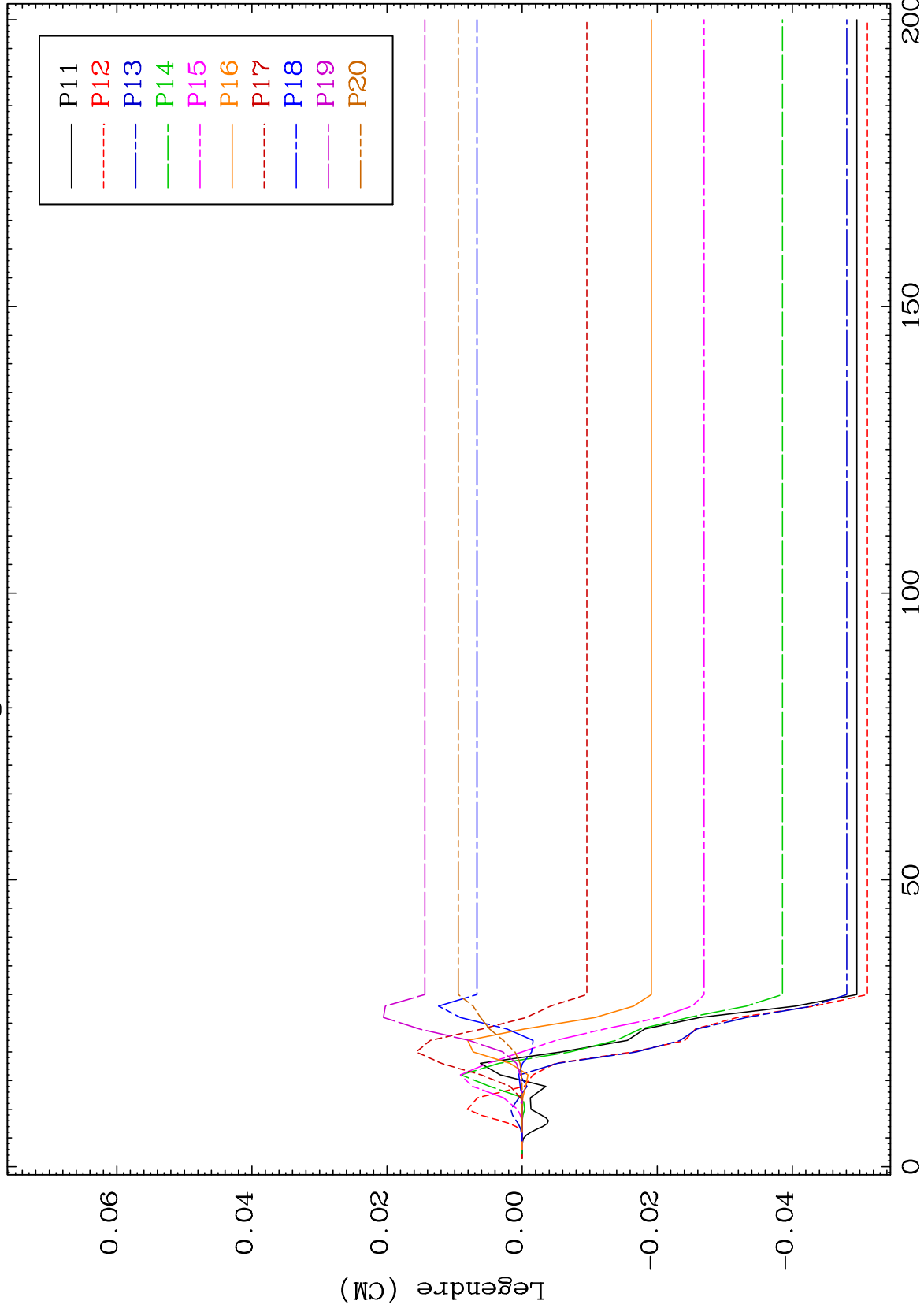
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



29

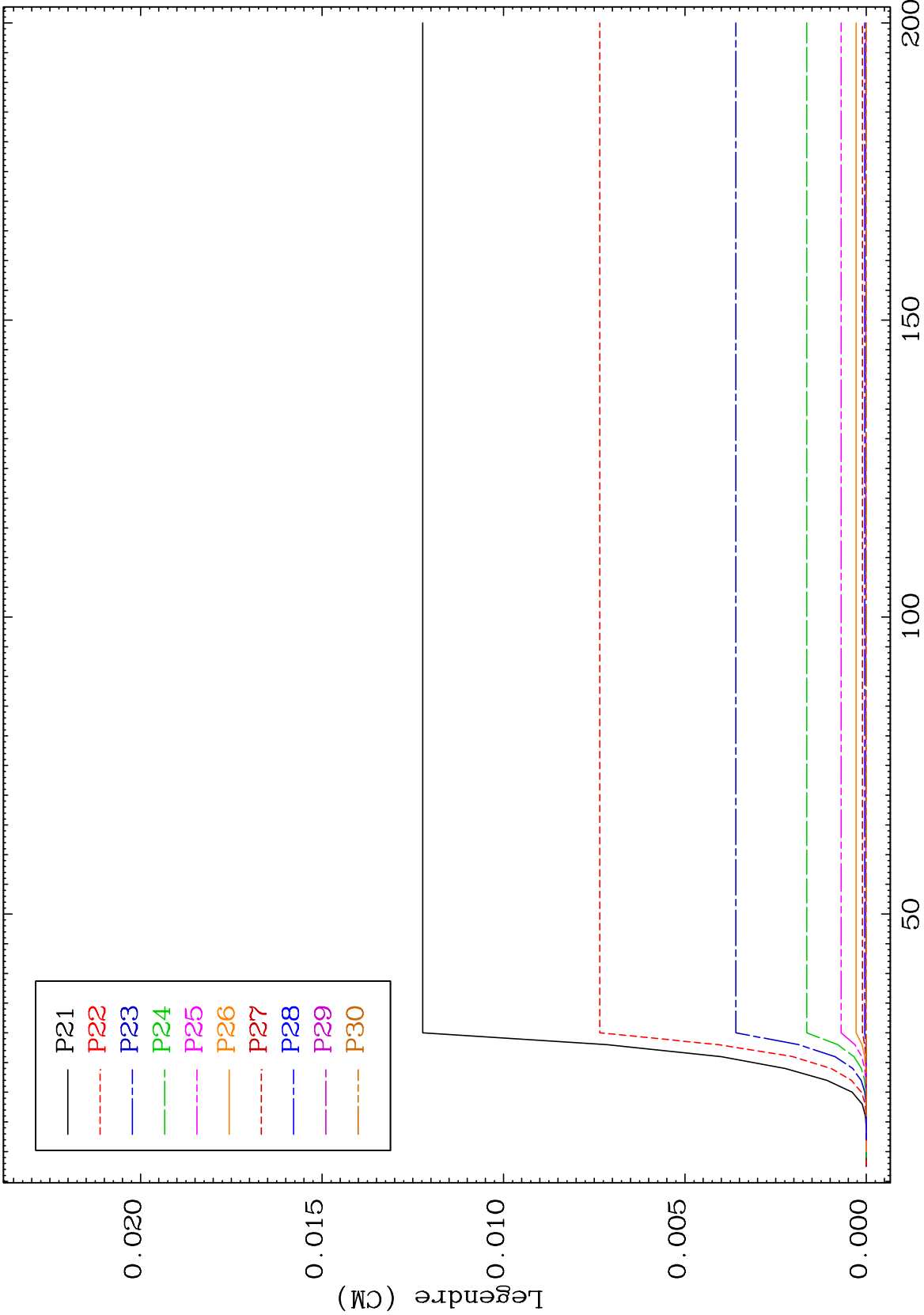
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



30

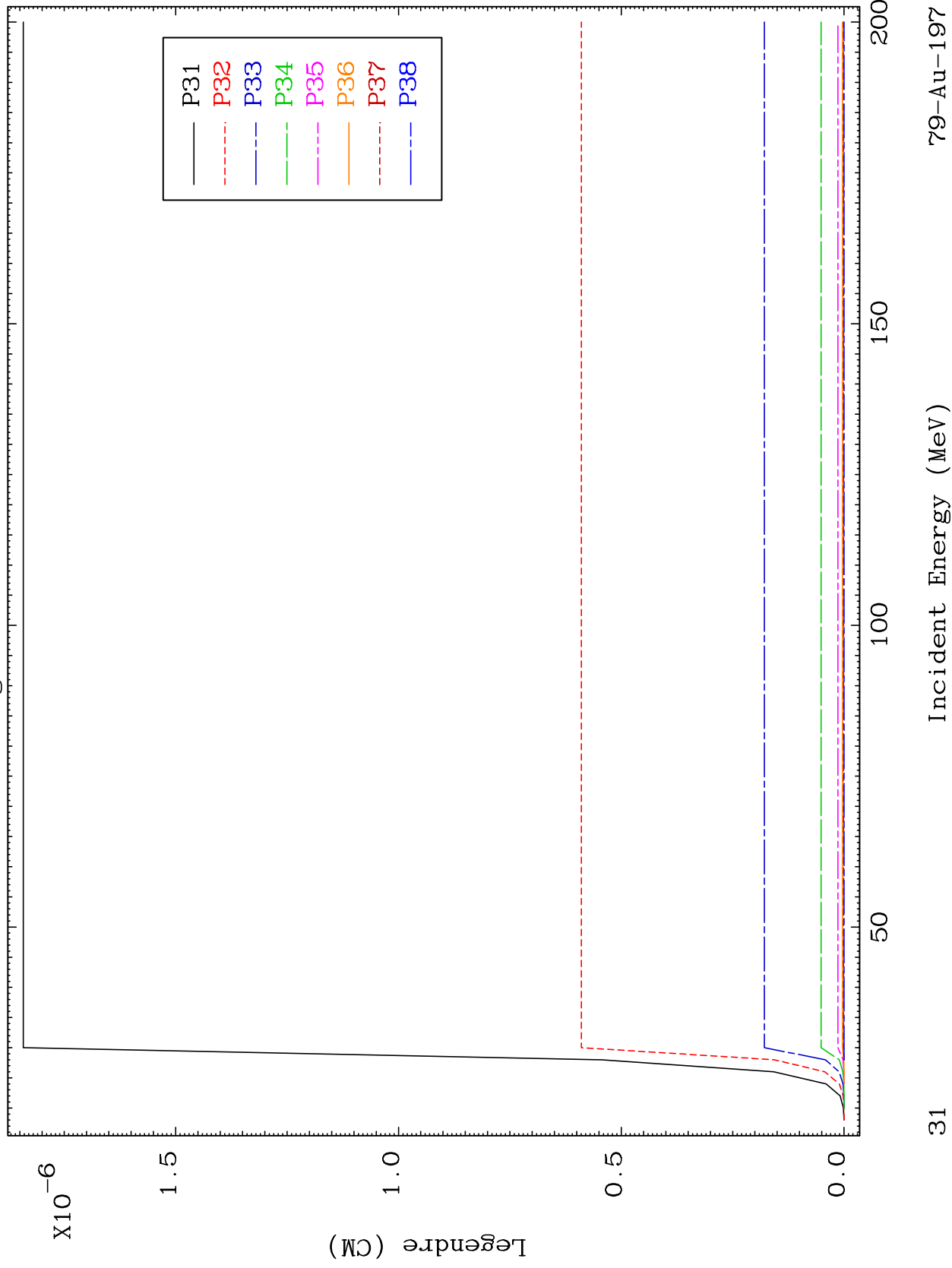
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



31

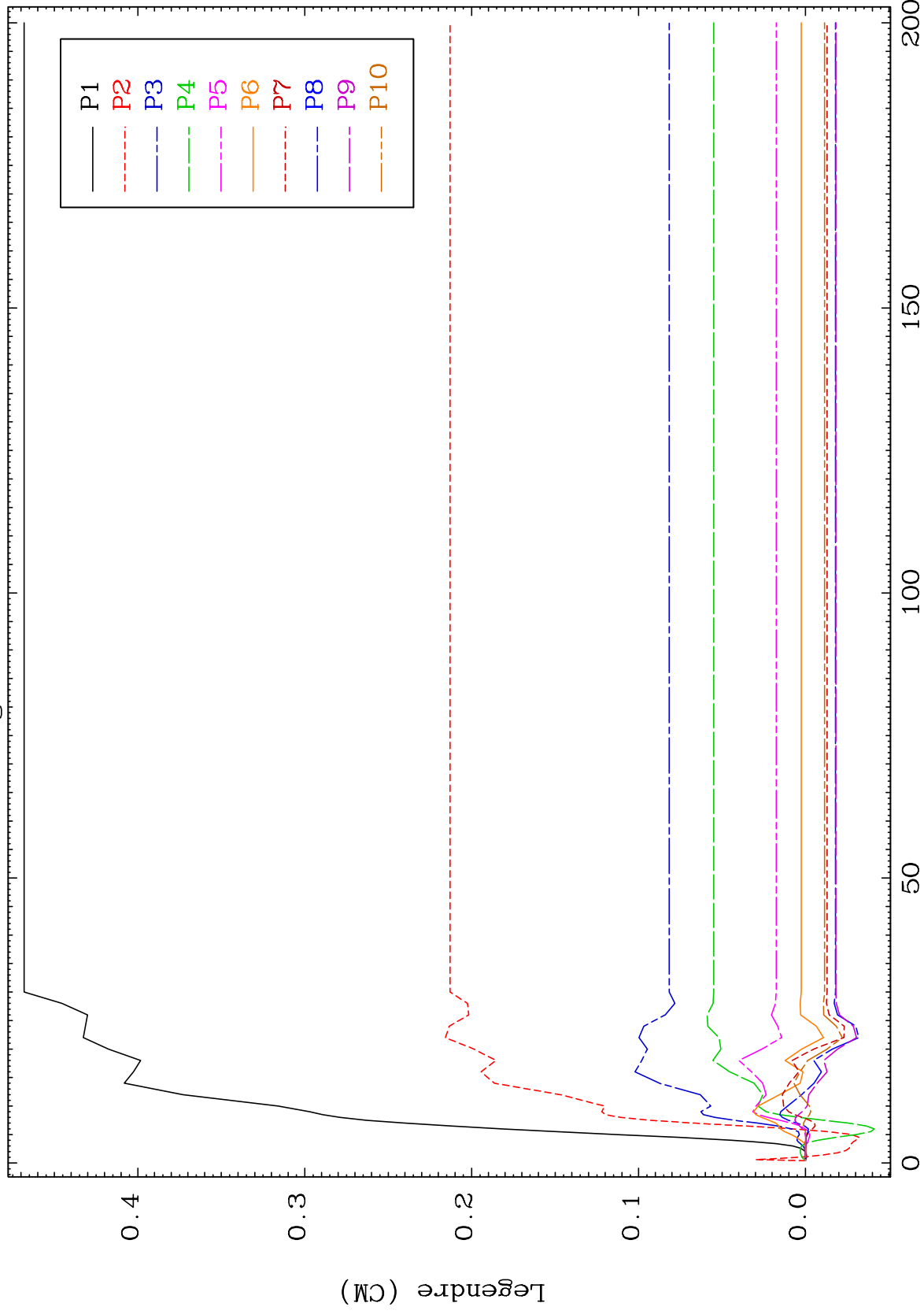
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



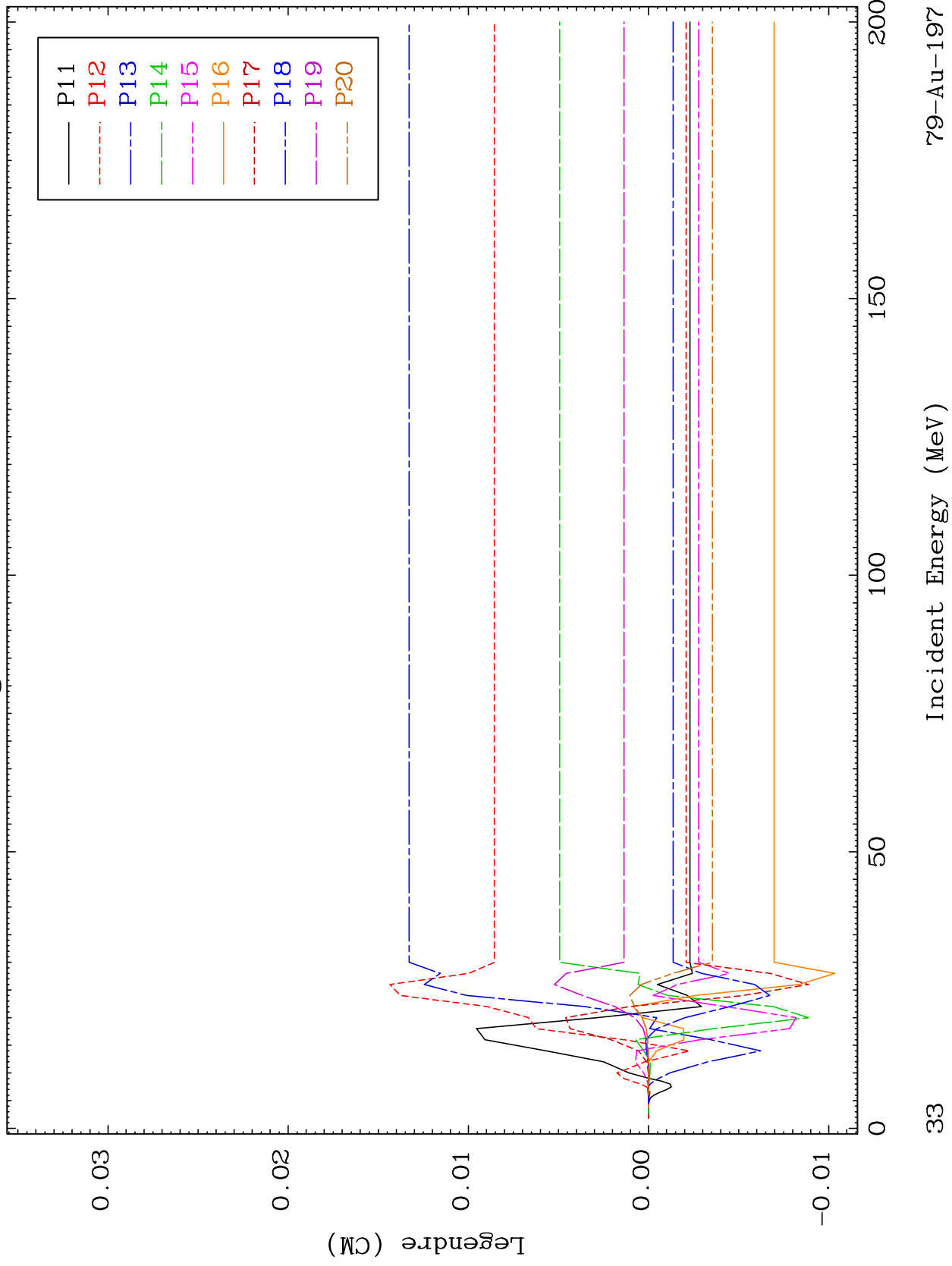
32

79-Au-197

MAT 7925

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

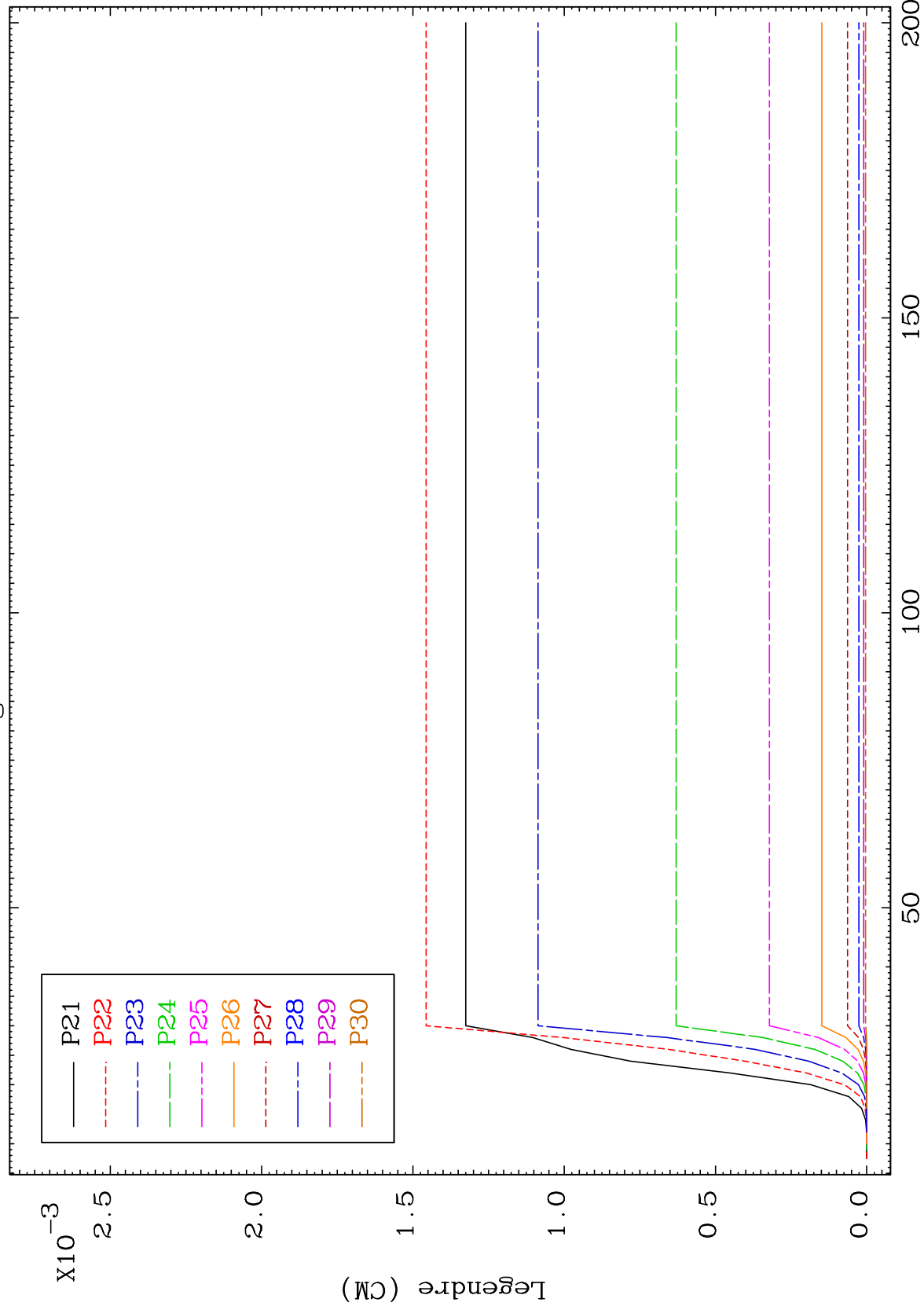
79-Au-197



79-Au-197

Incident Energy (MeV)

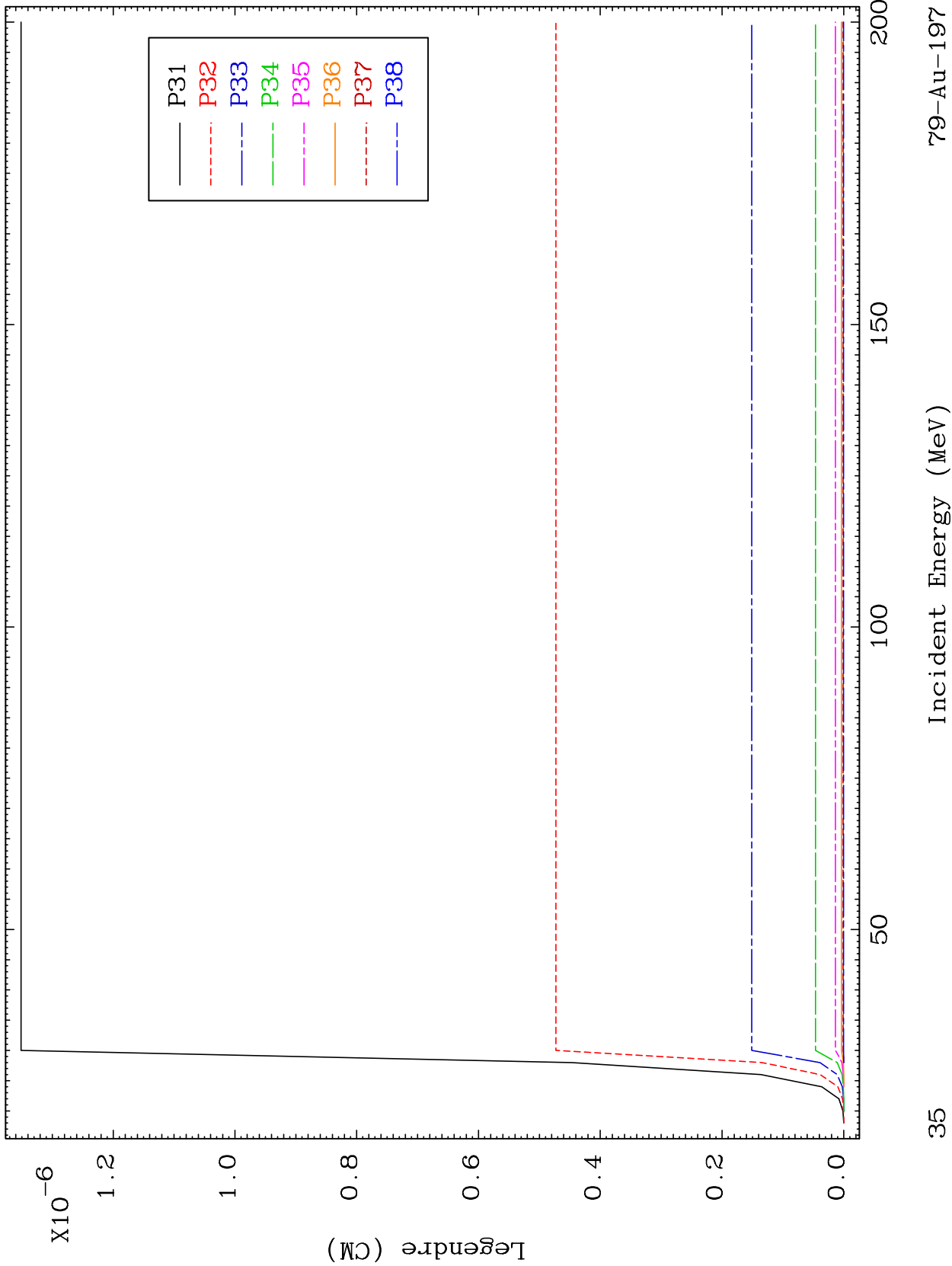
33



MAT 7925

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

79-Au-197



35

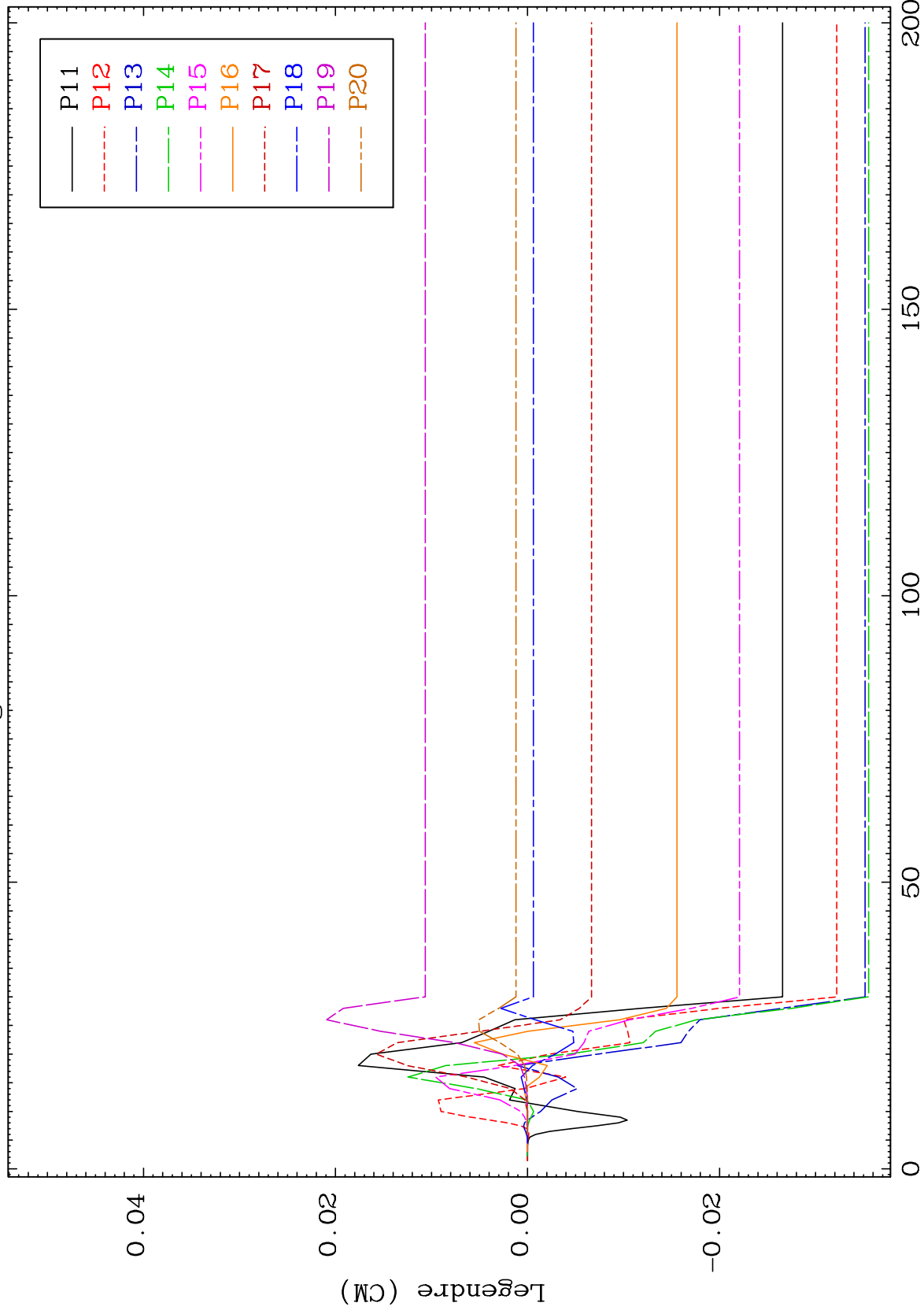
Incident Energy (MeV)

79-Au-197

MAT 7925

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

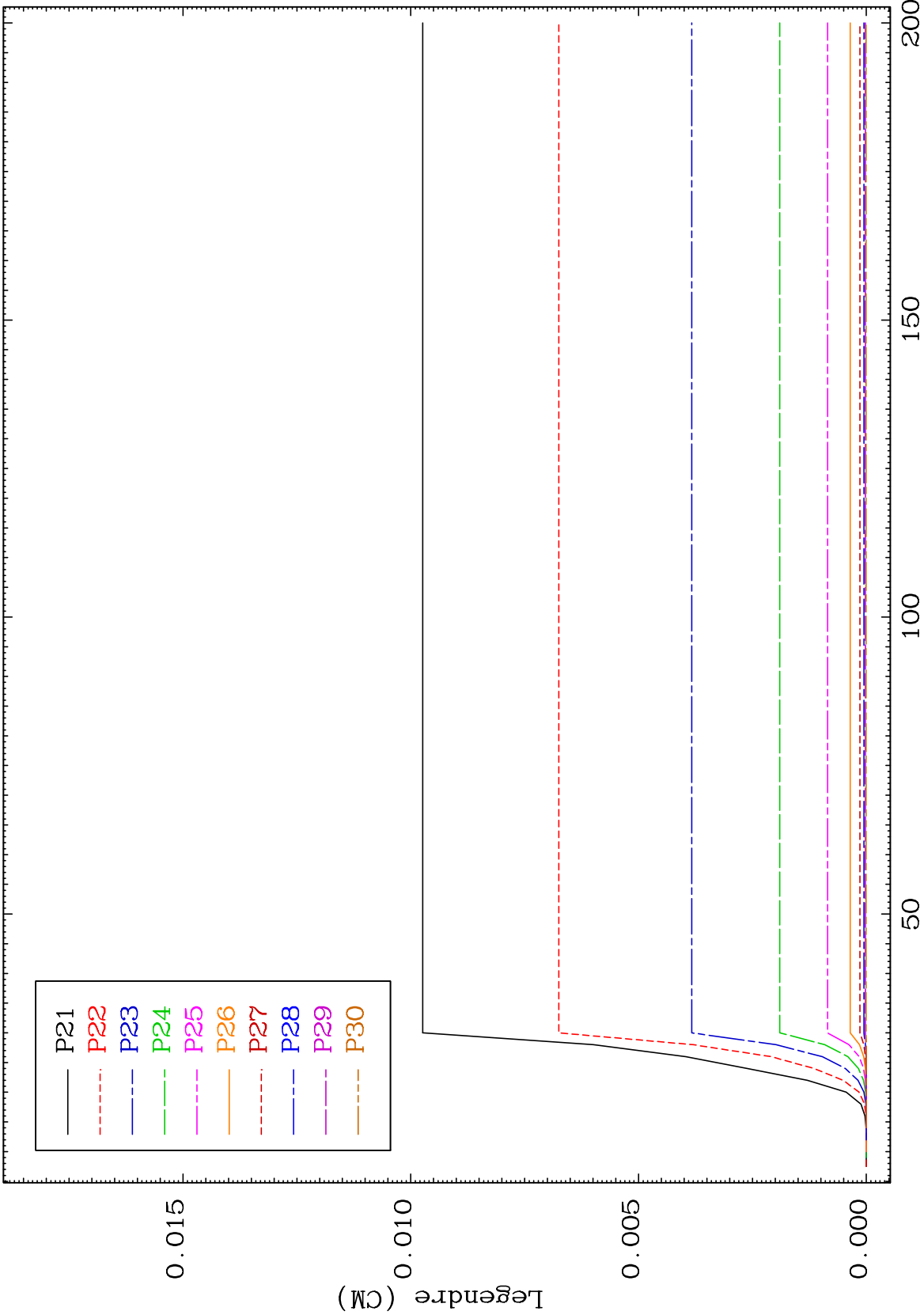
79-Au-197



37

Incident Energy (MeV)

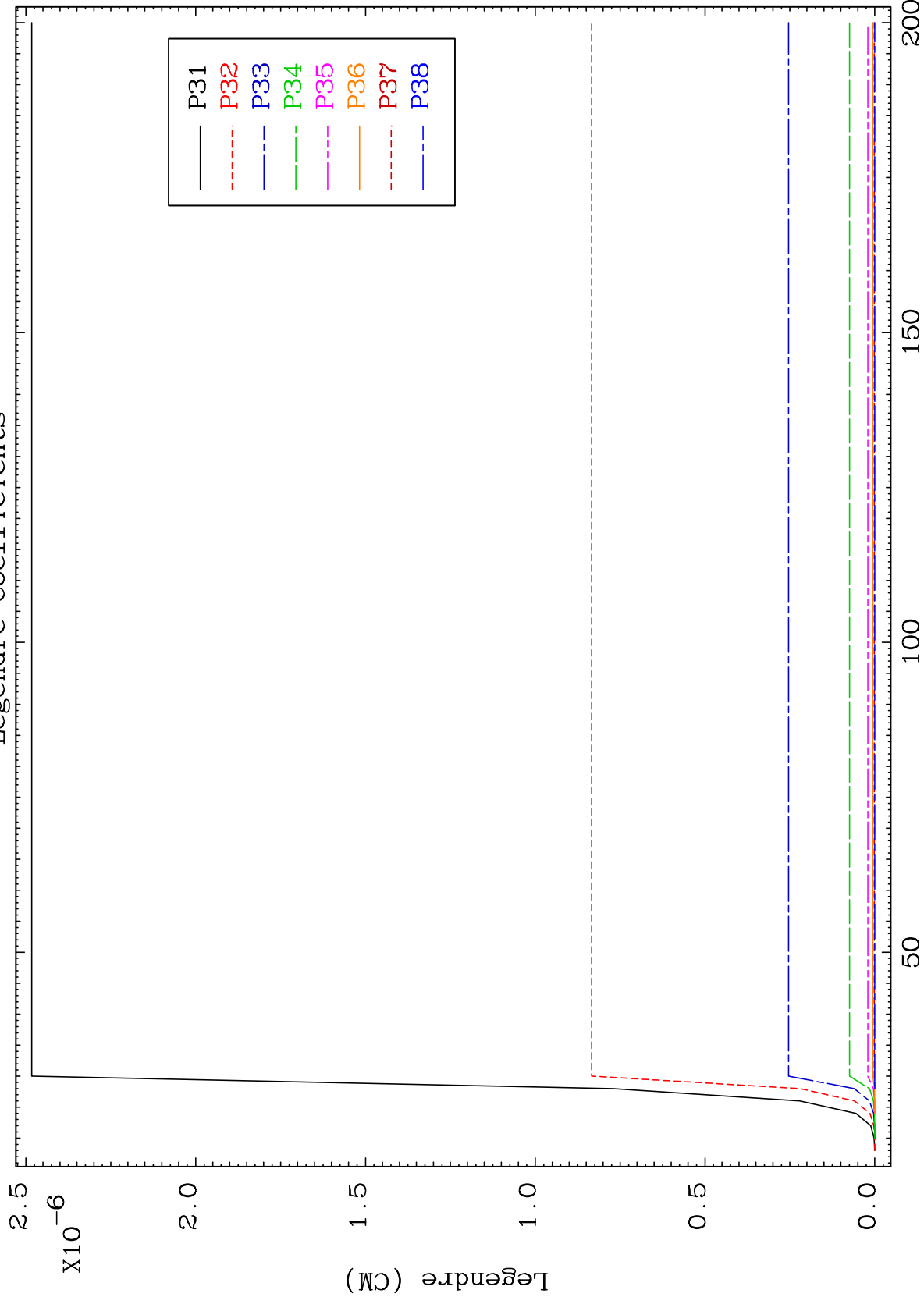
79-Au-197



MAT 7925

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

79-Au-197



39

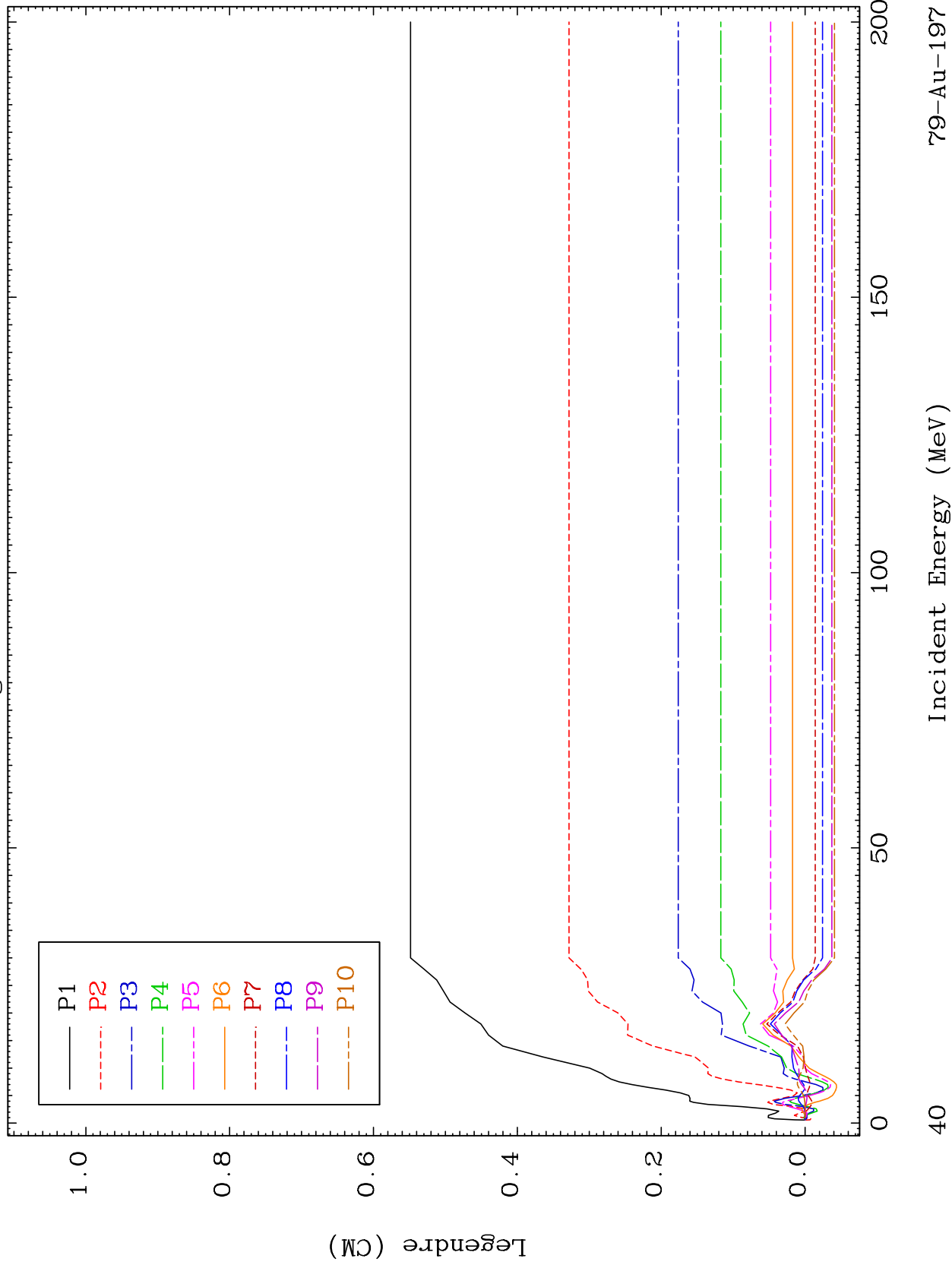
Incident Energy (MeV)

79-Au-197

MAT 7925

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

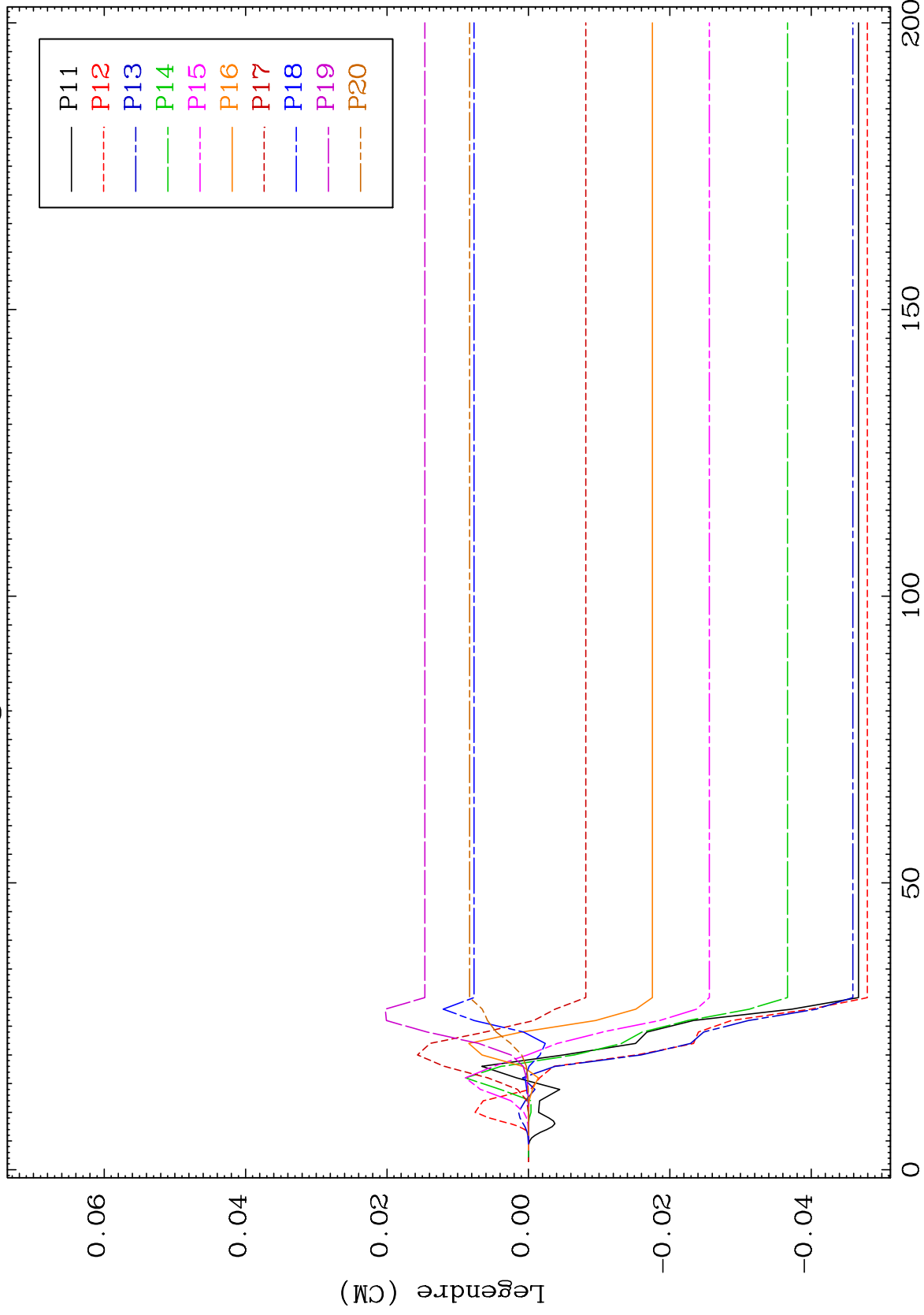
79-Au-197



MAT 7925

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

79-Au-197



41

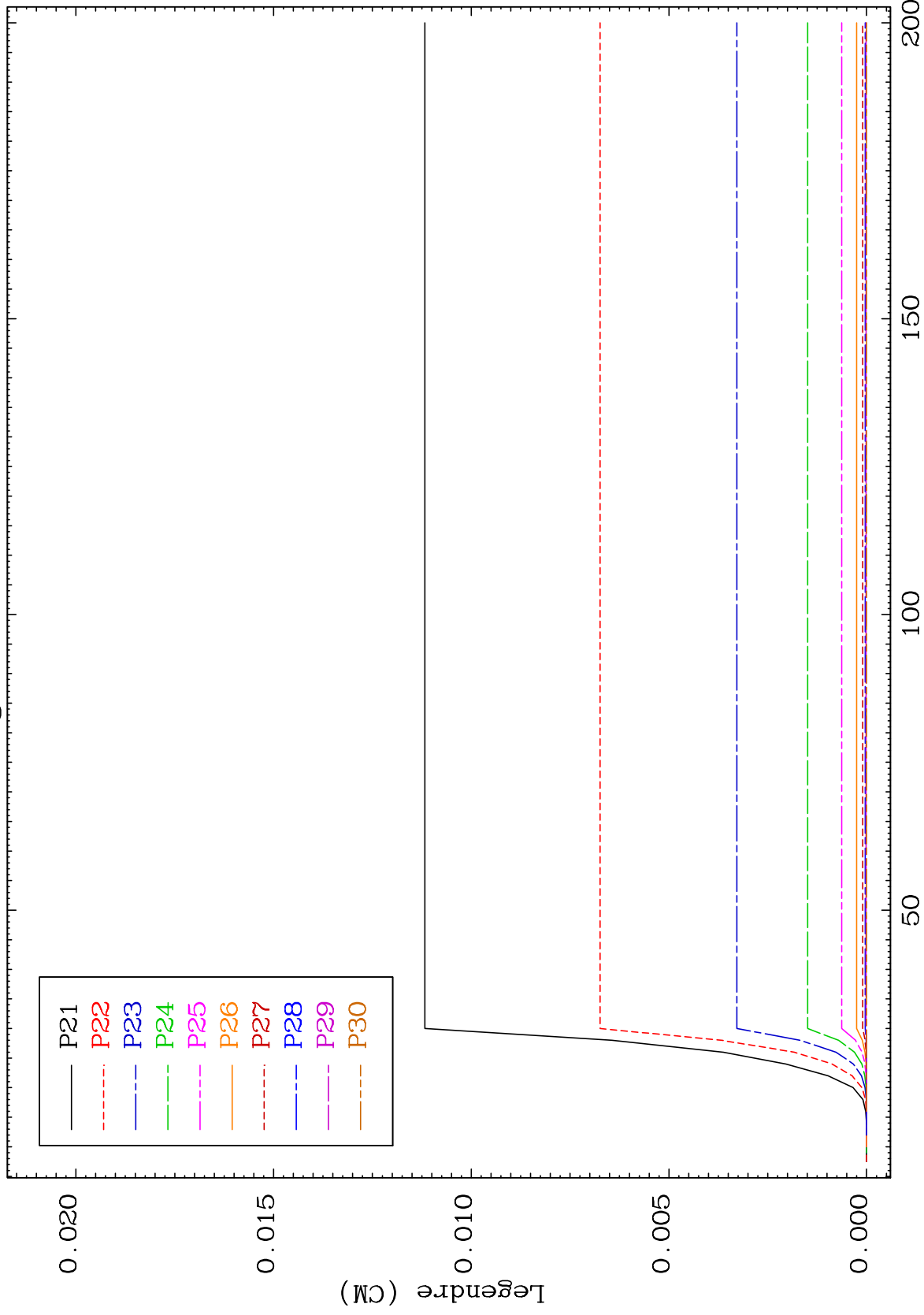
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



42

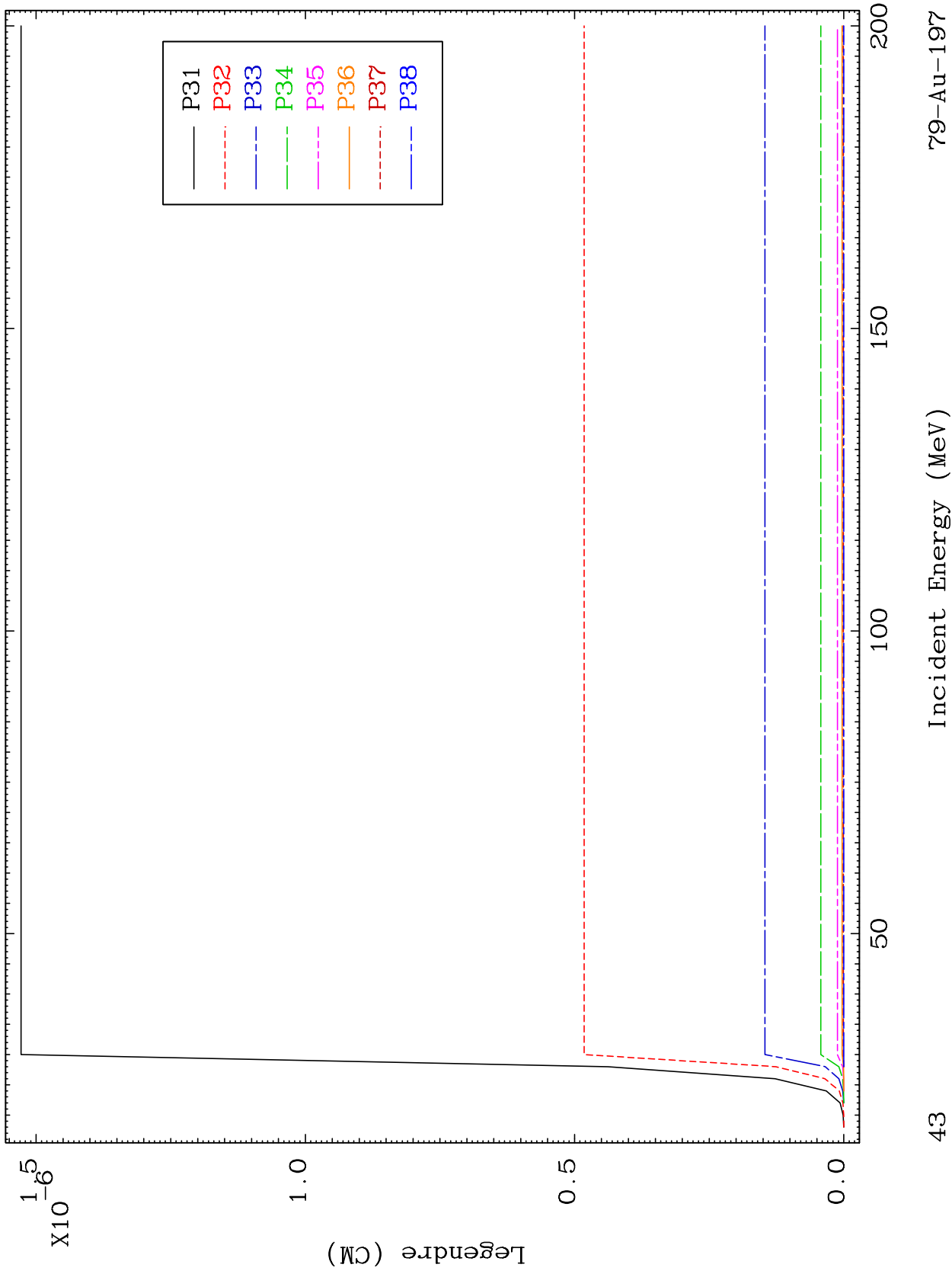
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



43

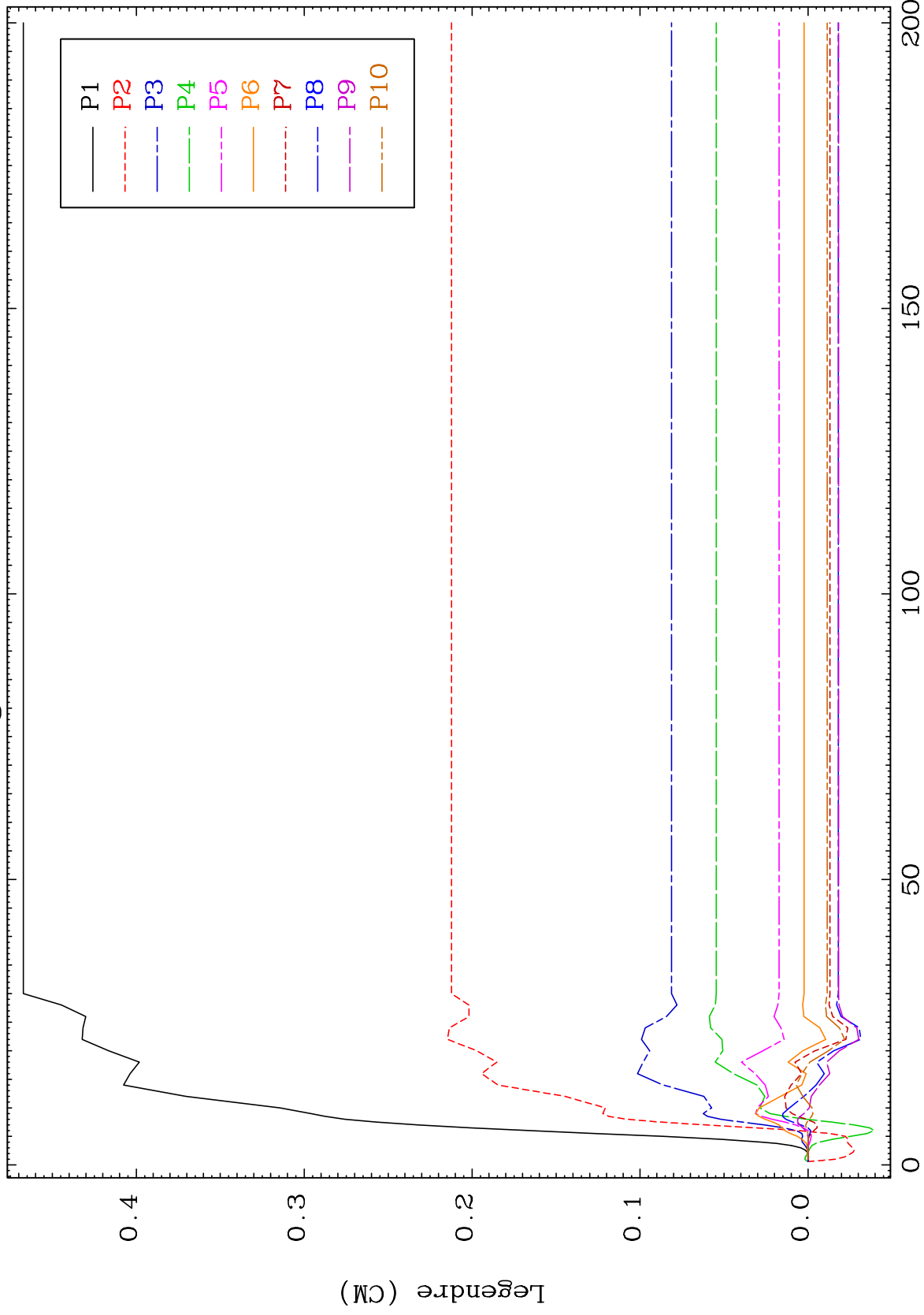
Incident Energy (MeV)

79-Au-197

MAT 7925

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

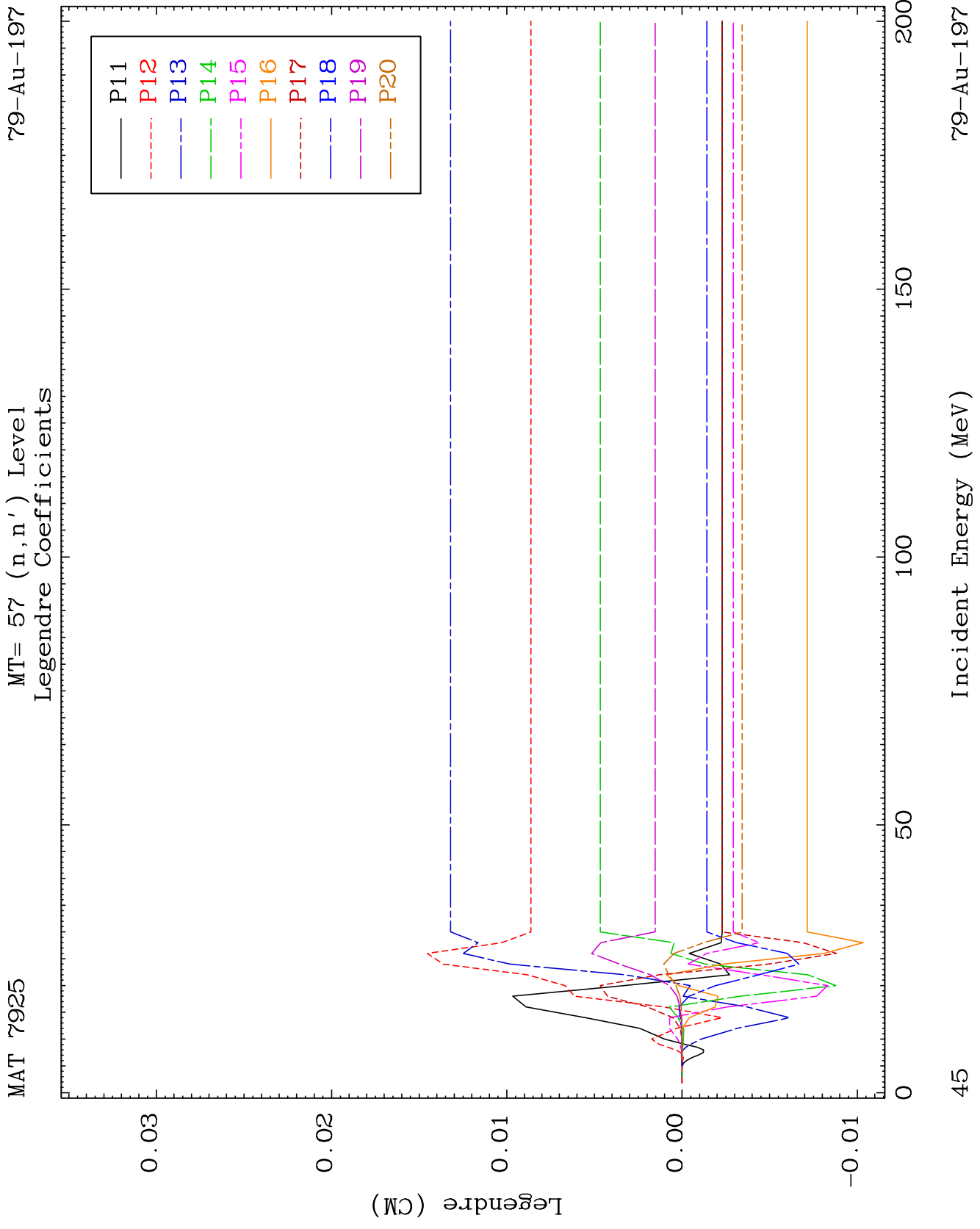
79-Au-197



44

Incident Energy (MeV)

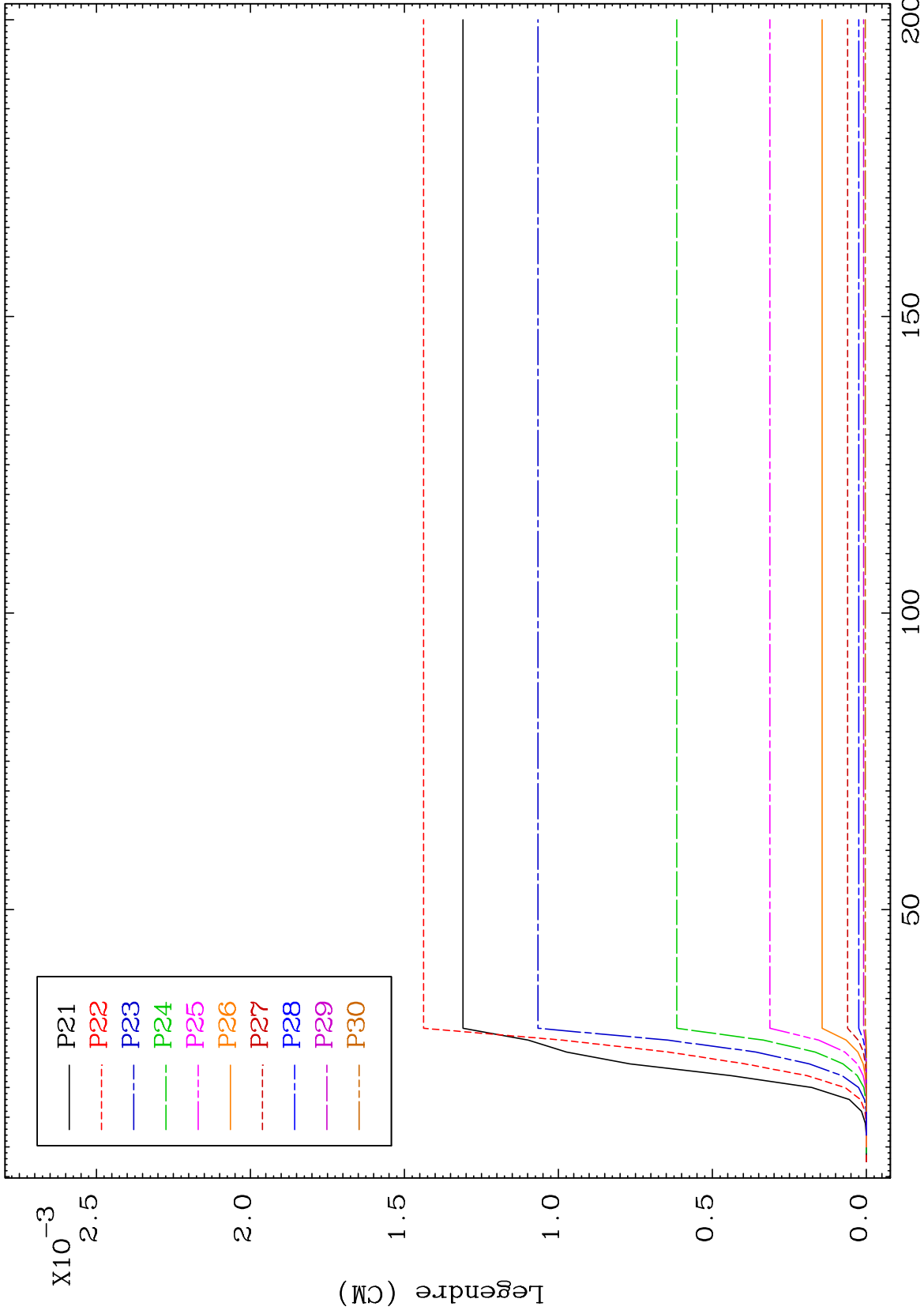
79-Au-197



MAT 7925

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

79-Au-197



46

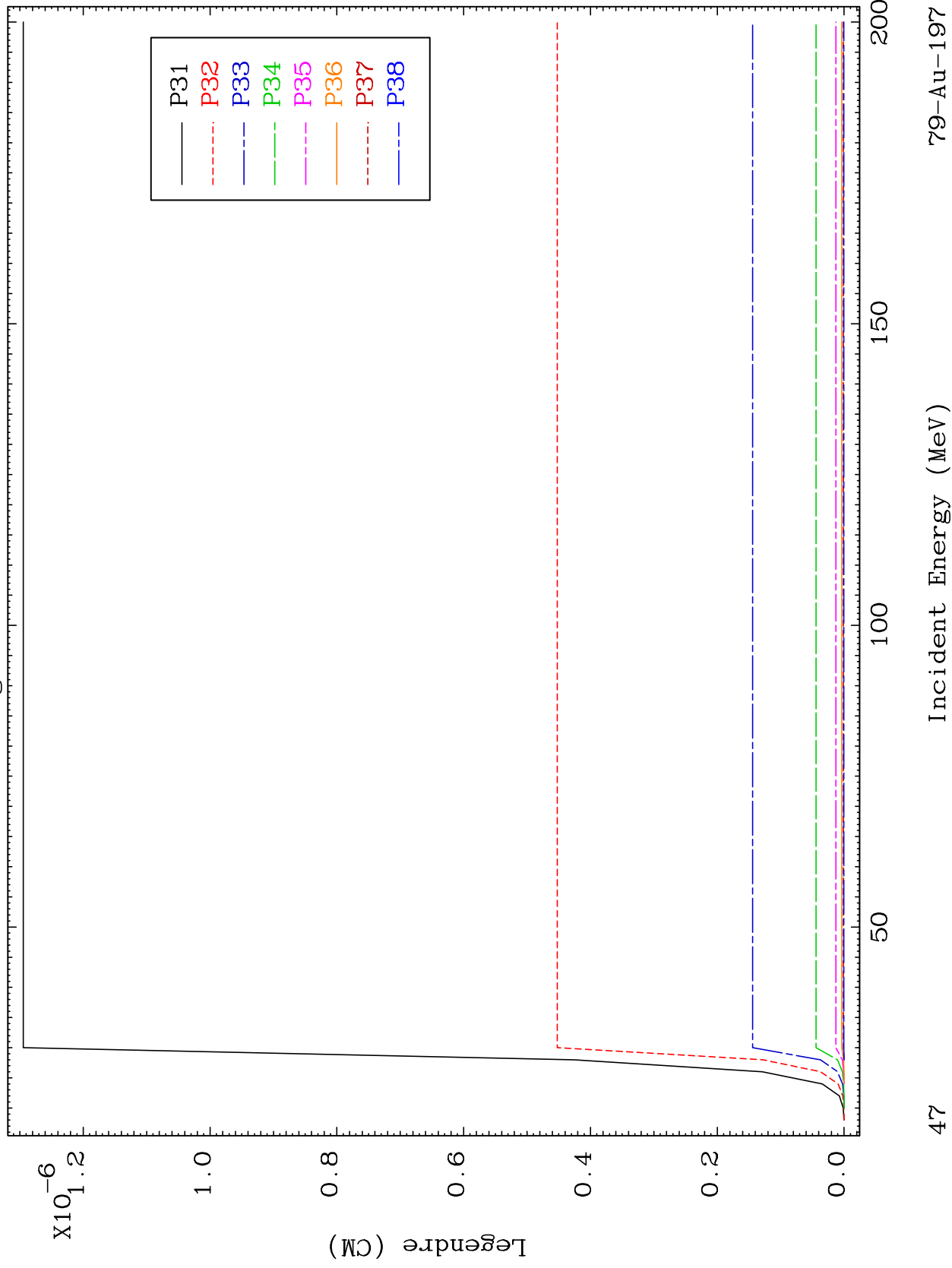
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



47

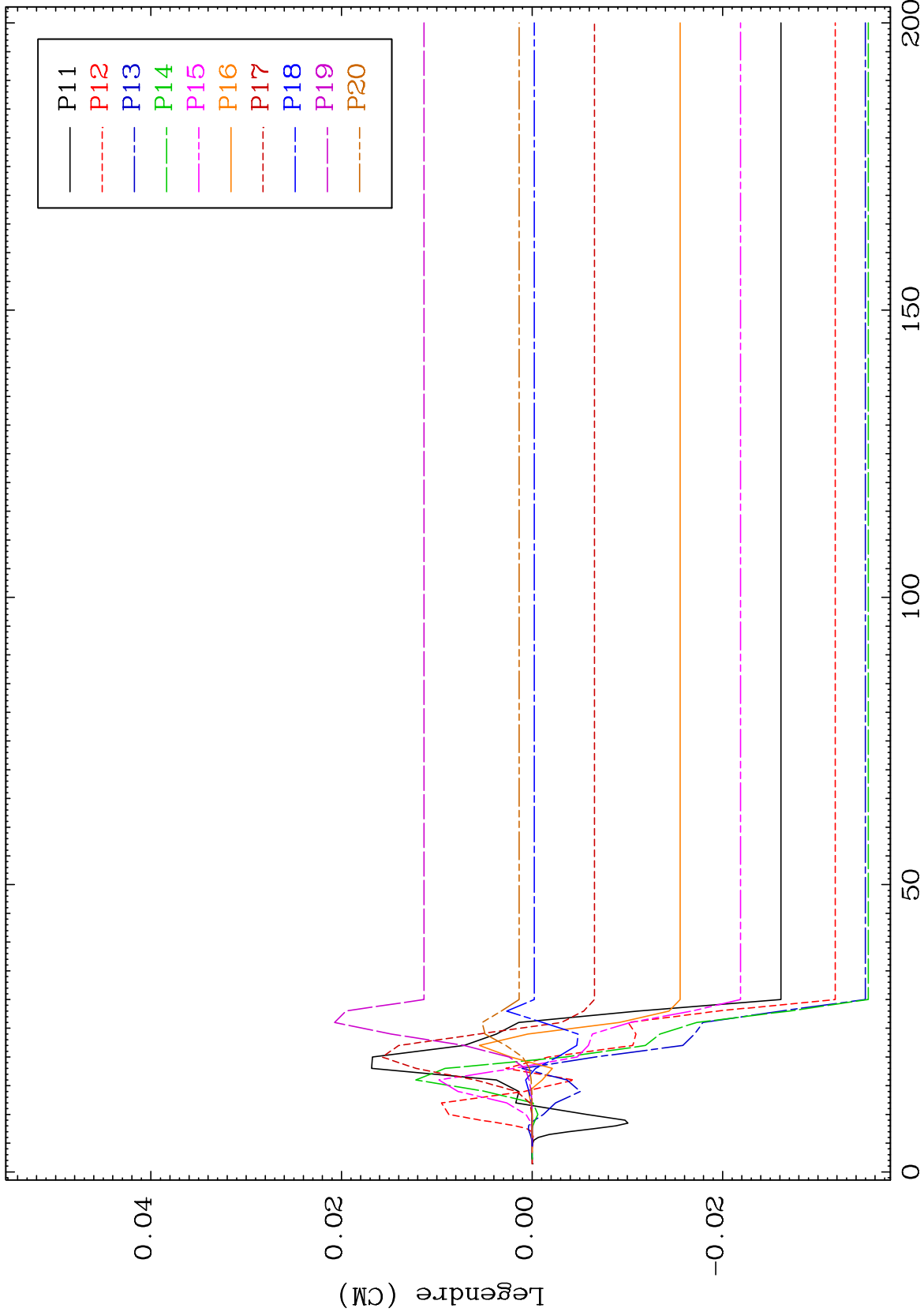
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



49

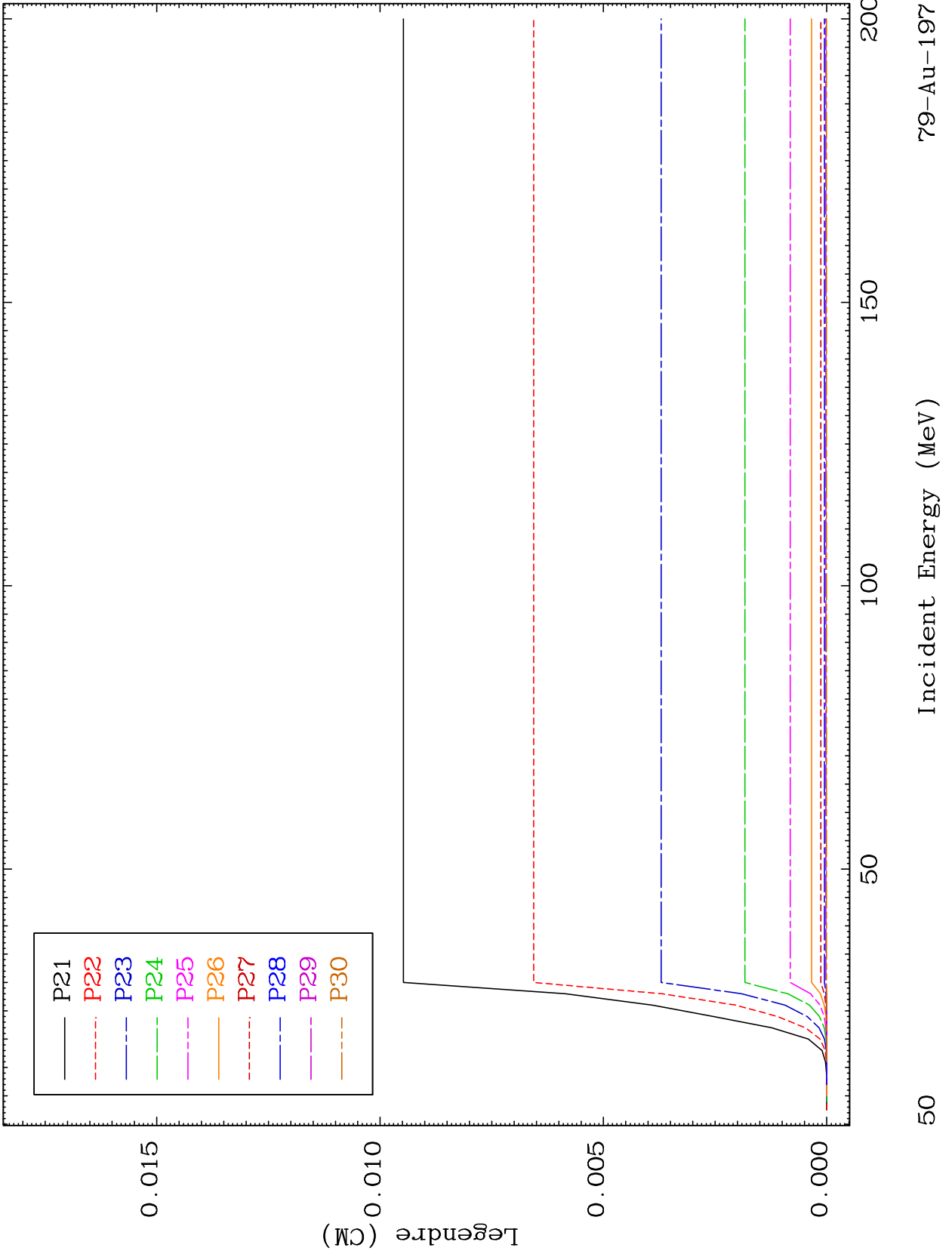
Incident Energy (MeV)

79-Au-197

MAT 7925

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

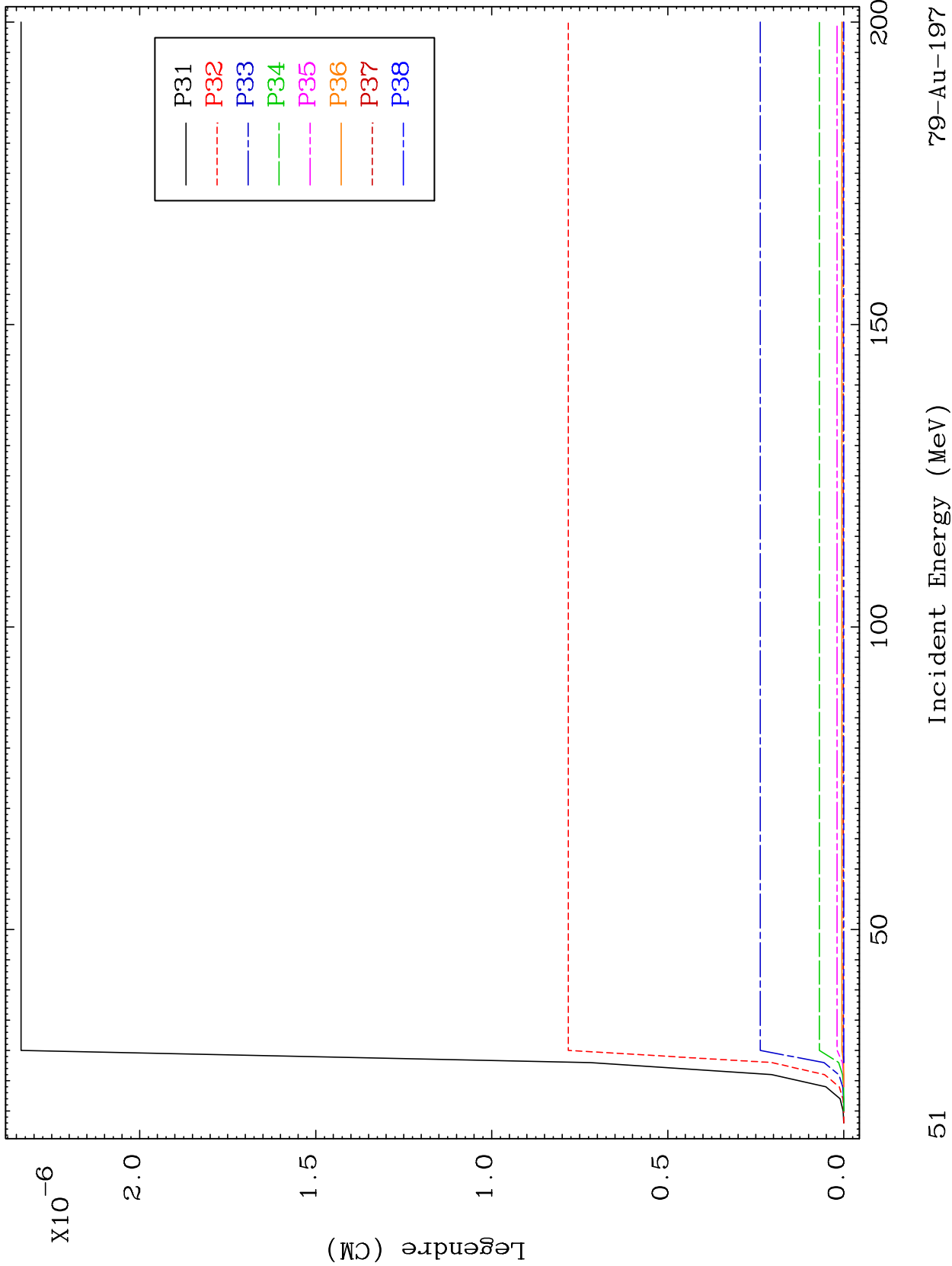
79-Au-197



79-Au-197

Incident Energy (MeV)

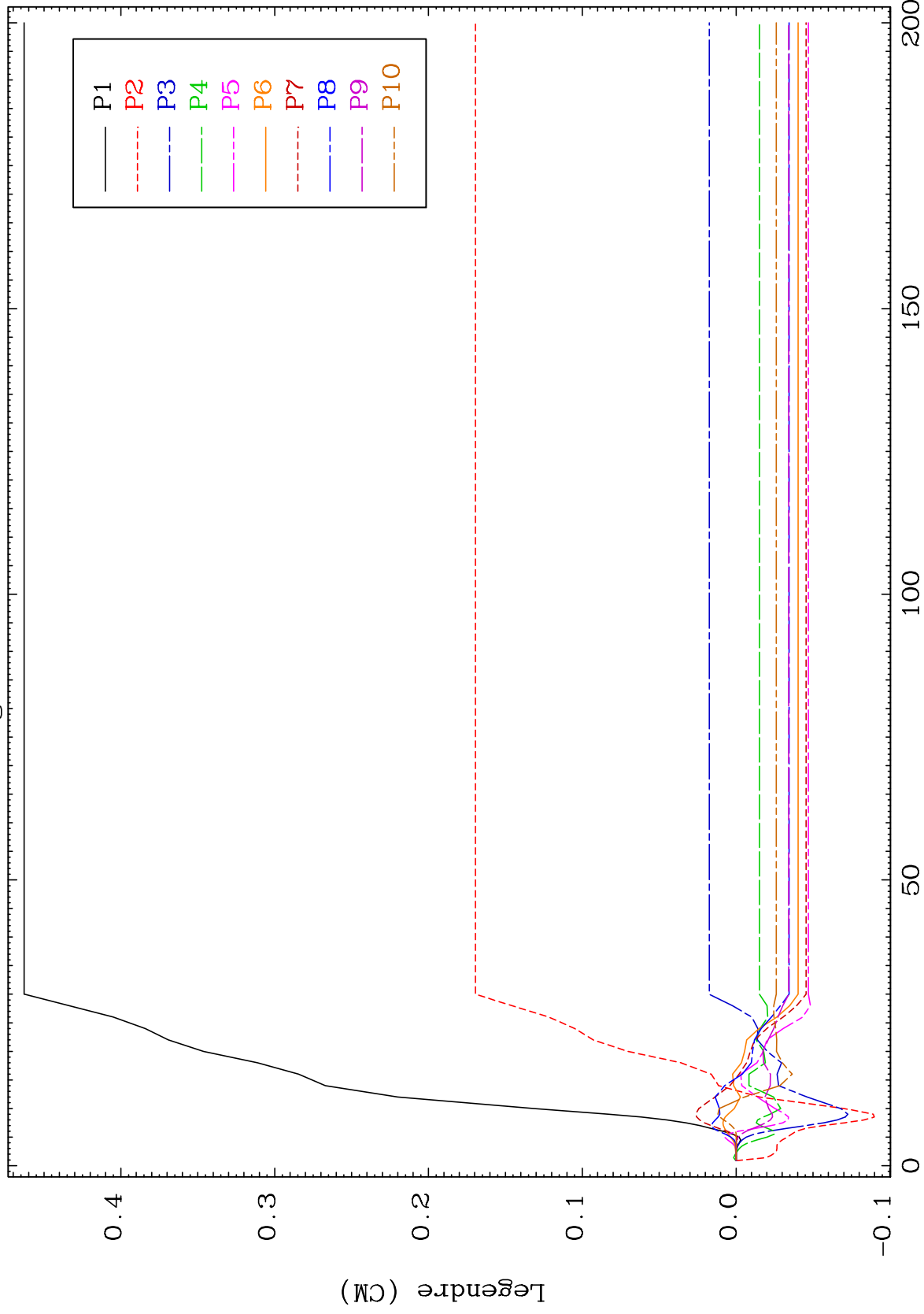
50



MAT 7925

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

79-Au-197



52

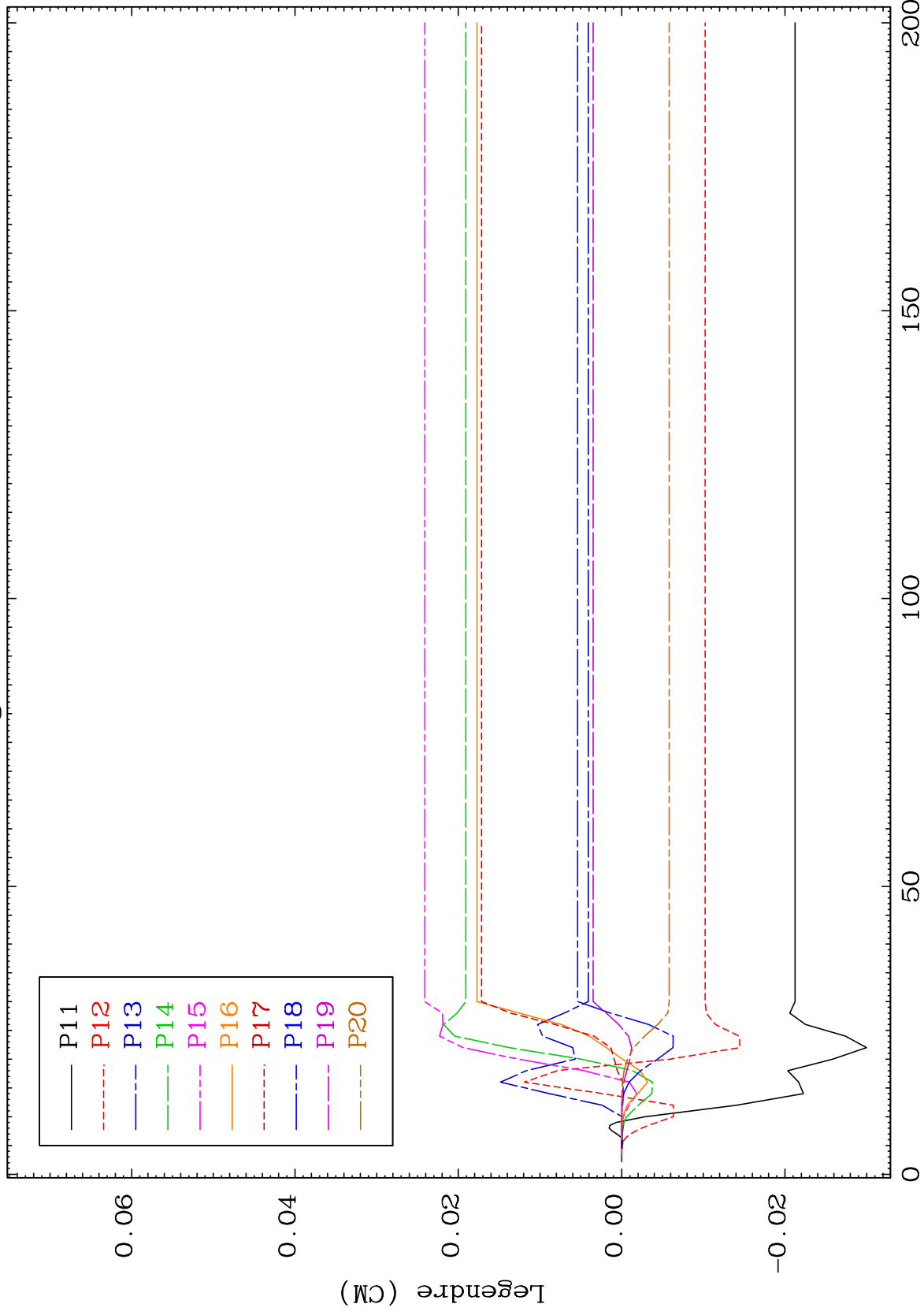
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



53

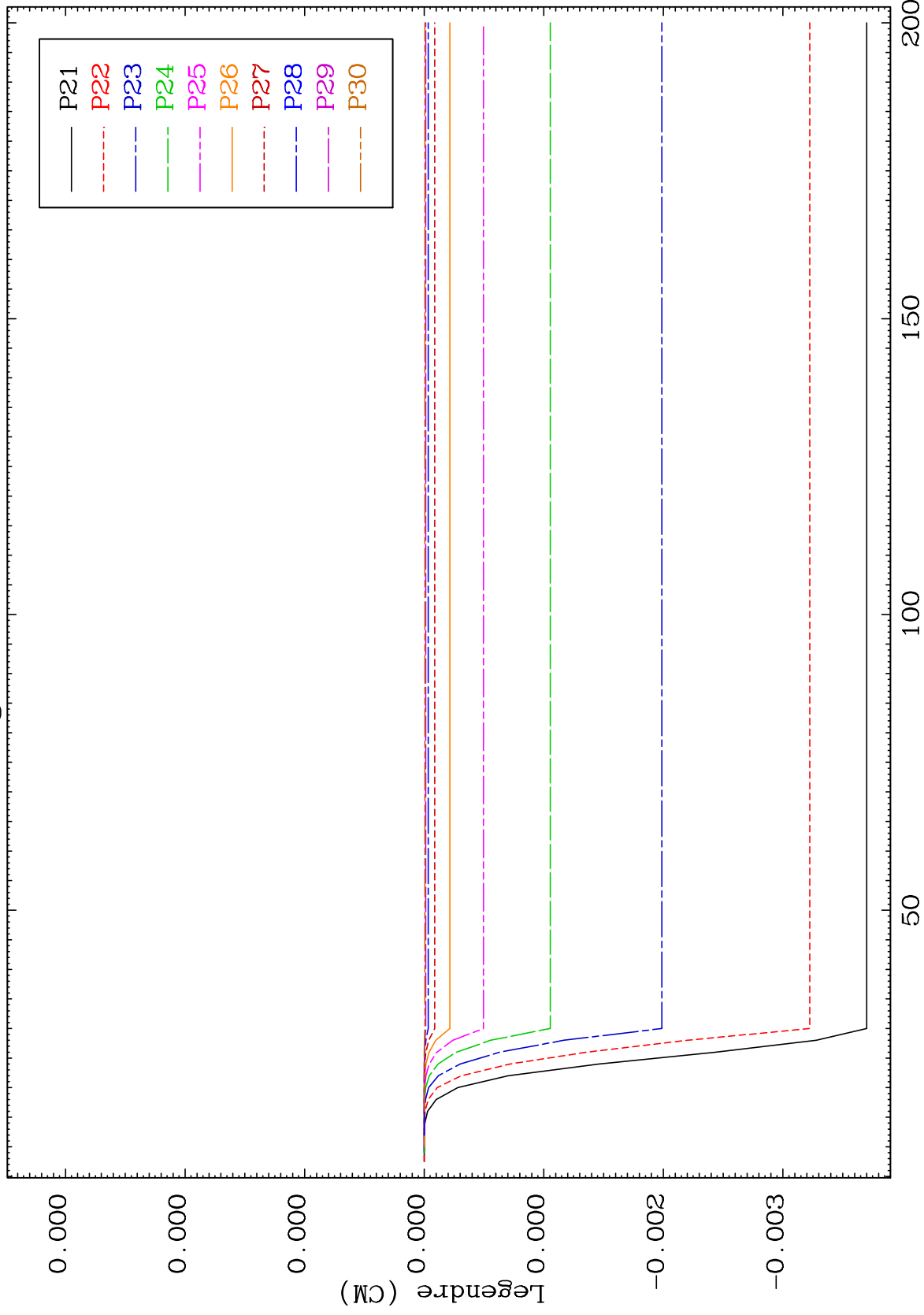
Incident Energy (MeV)

79-Au-197

MAT 7925

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

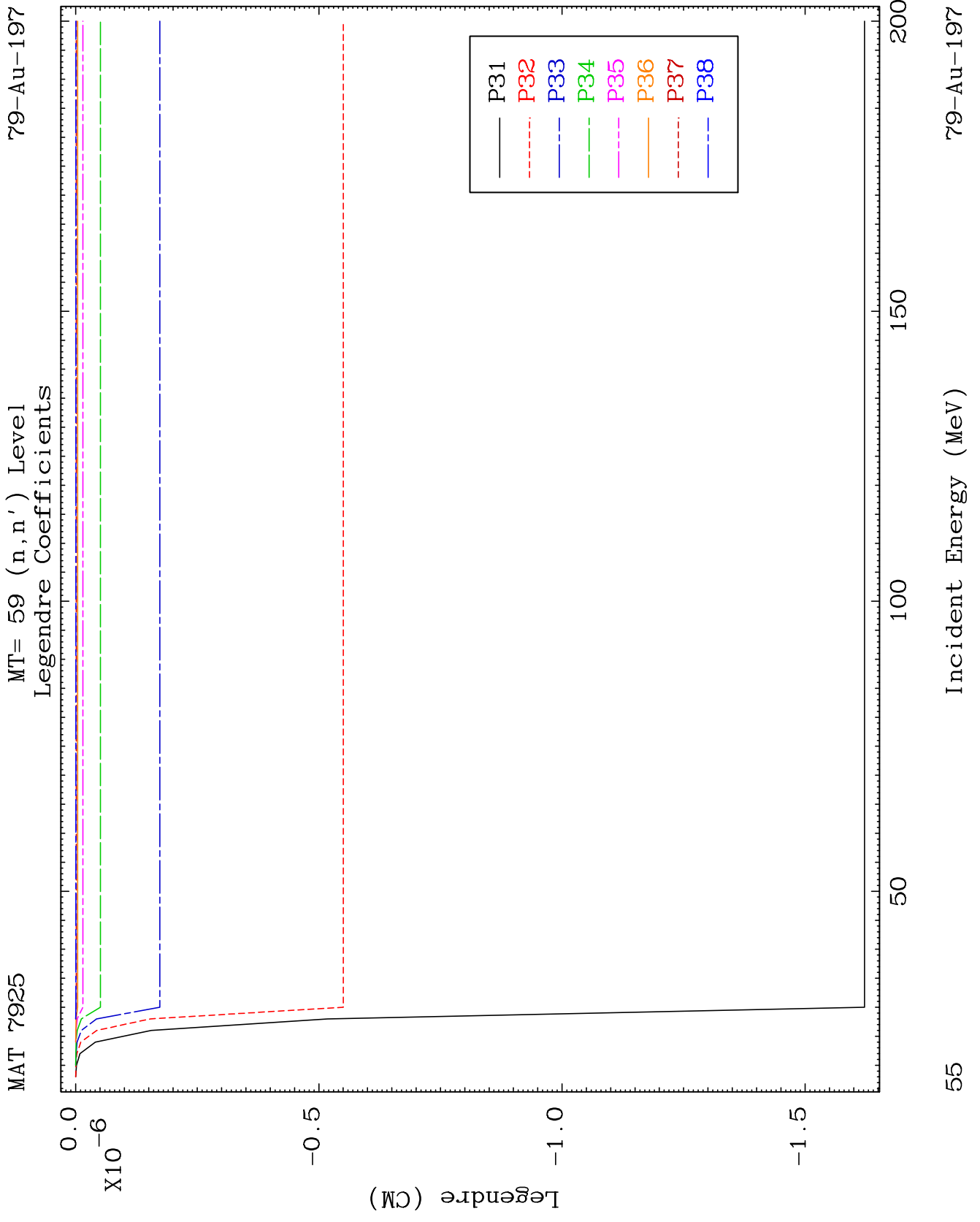
79-Au-197



54

Incident Energy (MeV)

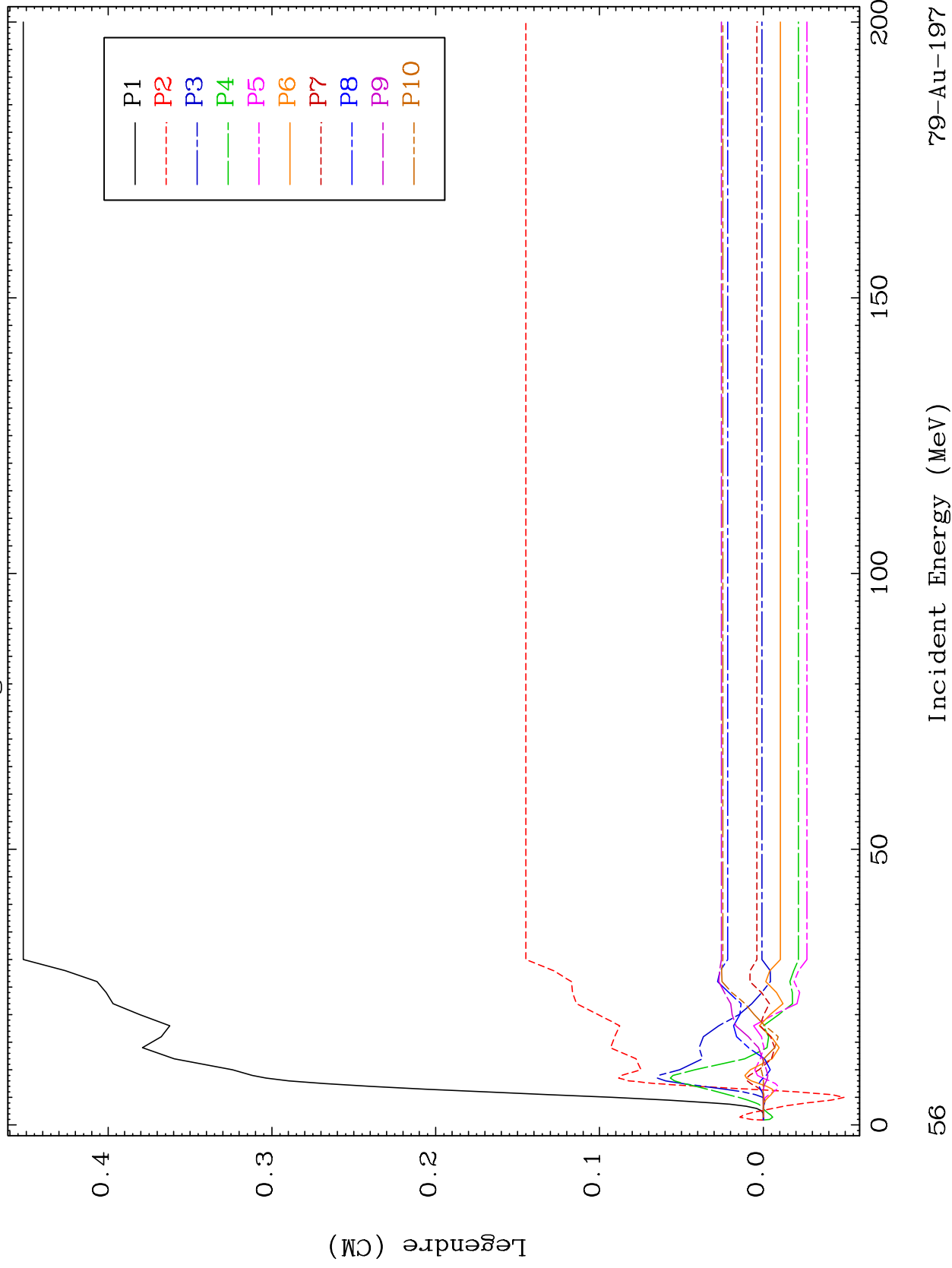
79-Au-197



MAT 7925

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

79-Au-197



79-Au-197

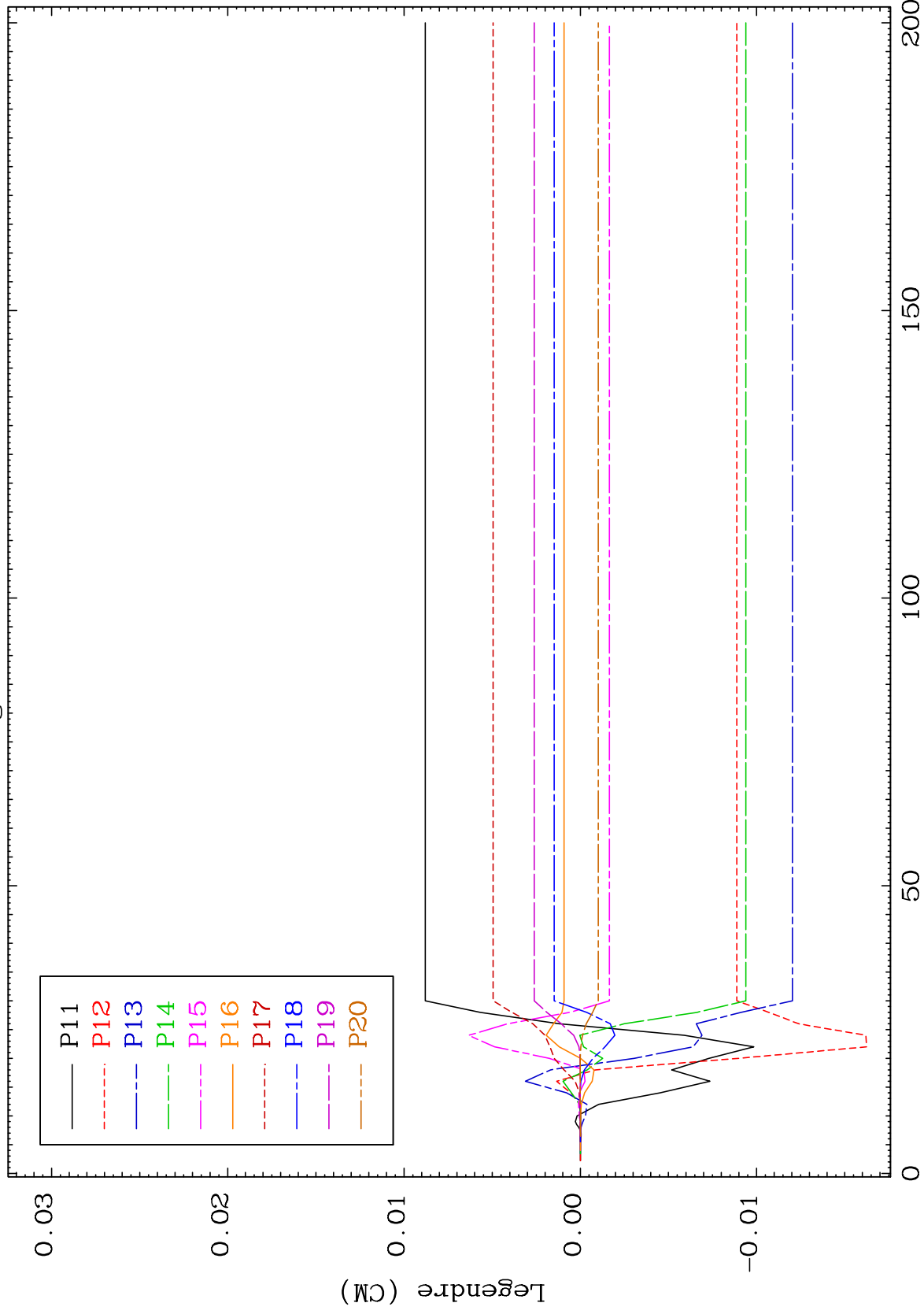
Incident Energy (MeV)

56

MAT 7925

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

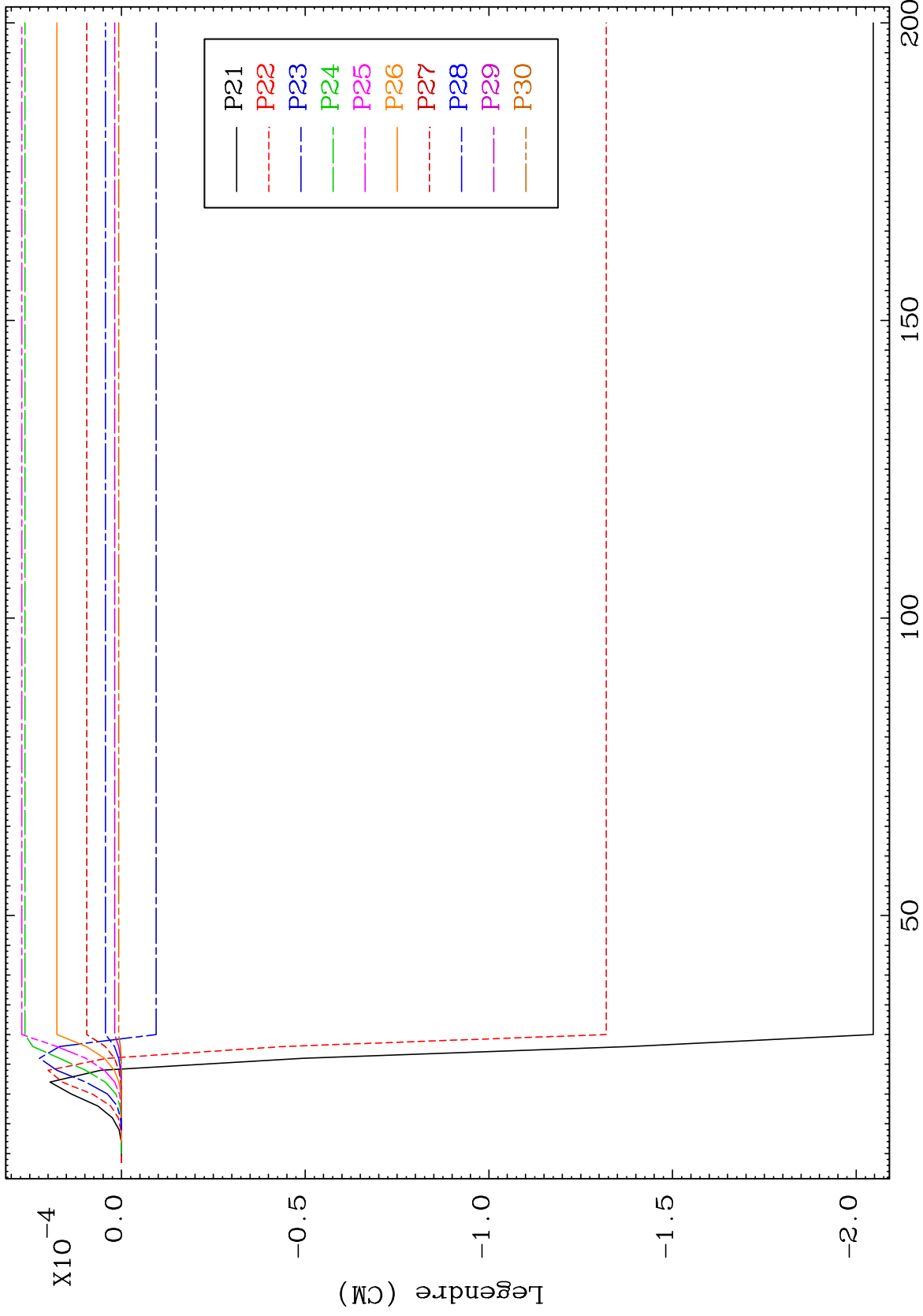
79-Au-197



57

Incident Energy (MeV)

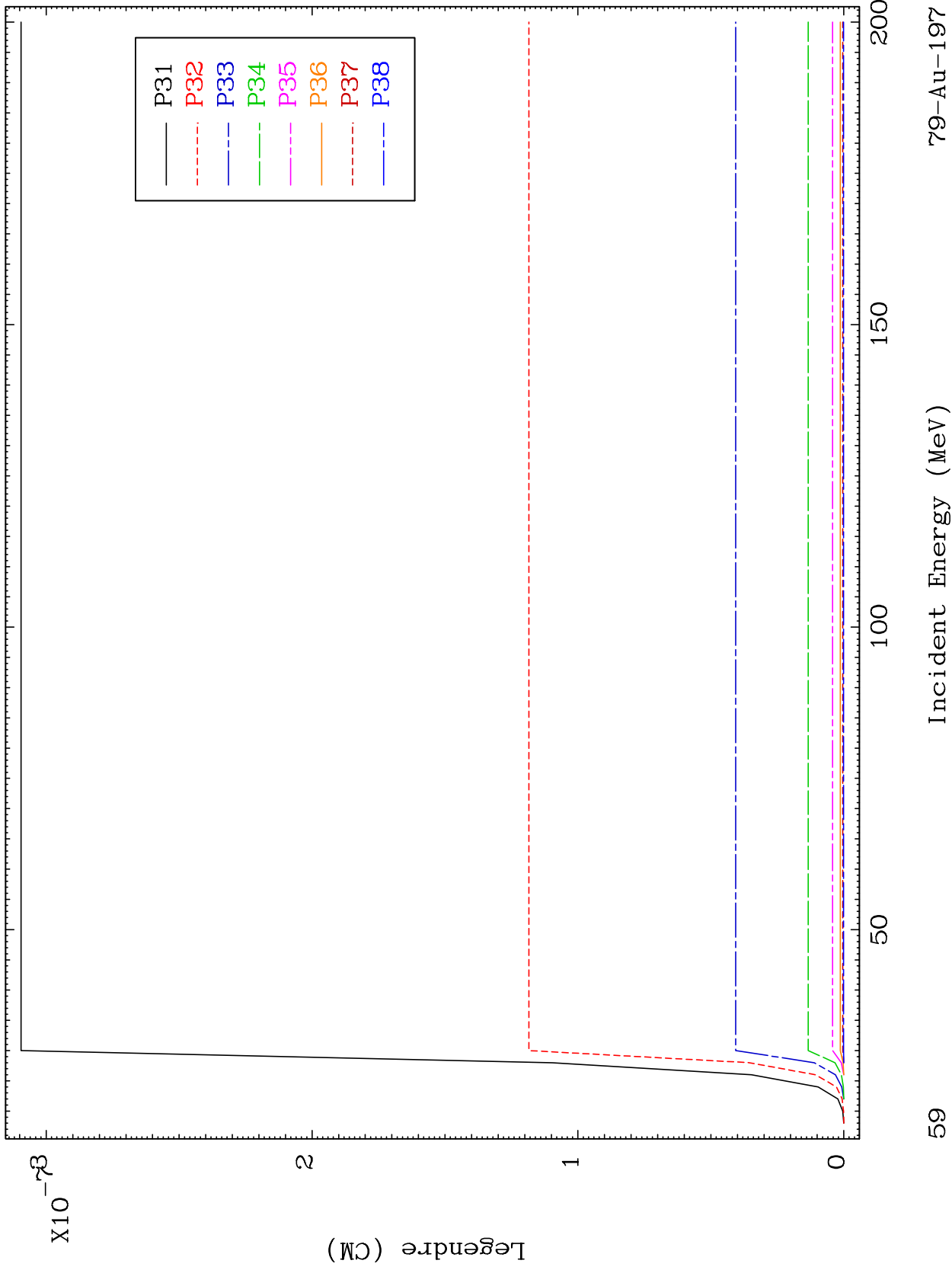
79-Au-197



MAT 7925

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

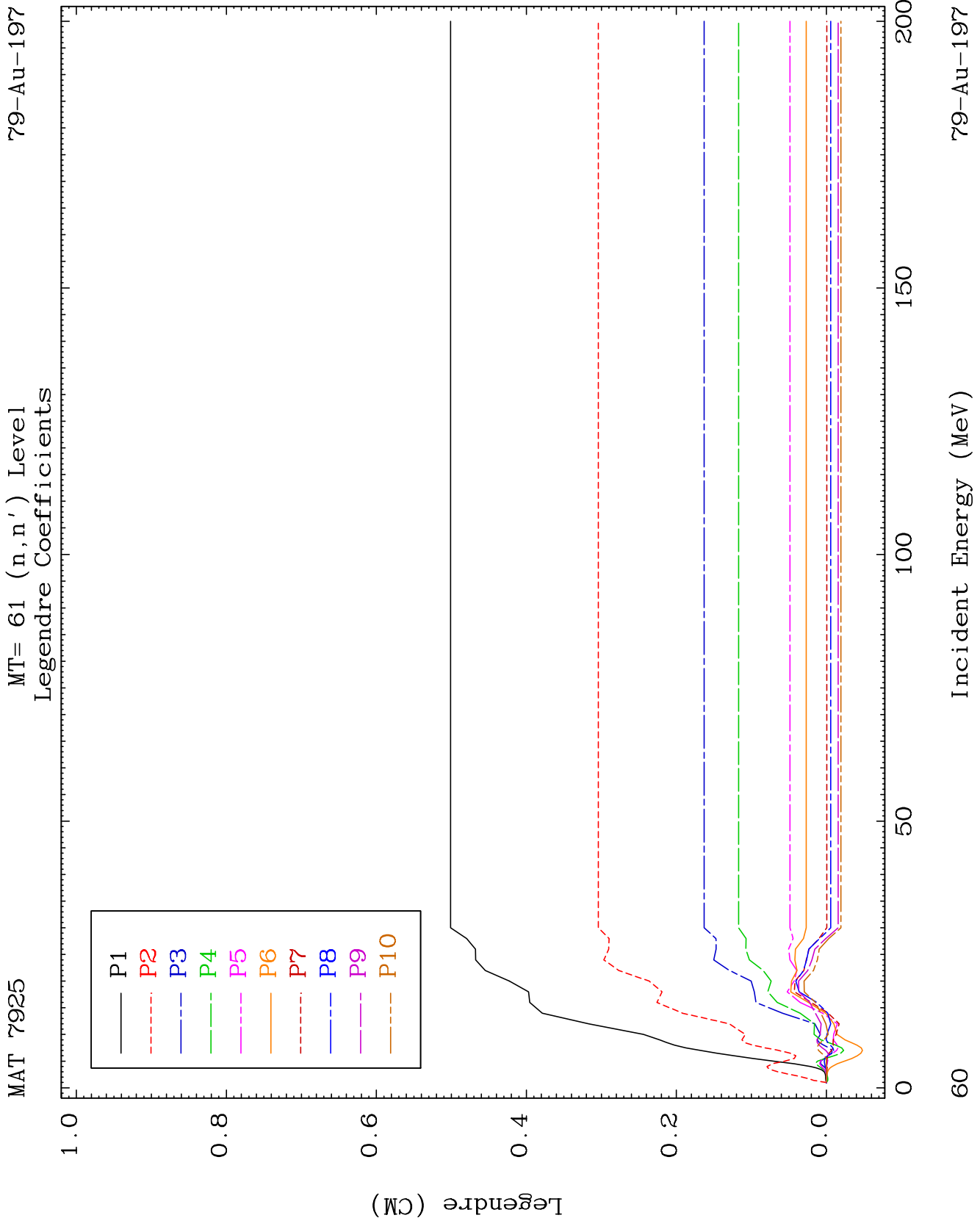
79-Au-197



59

Incident Energy (MeV)

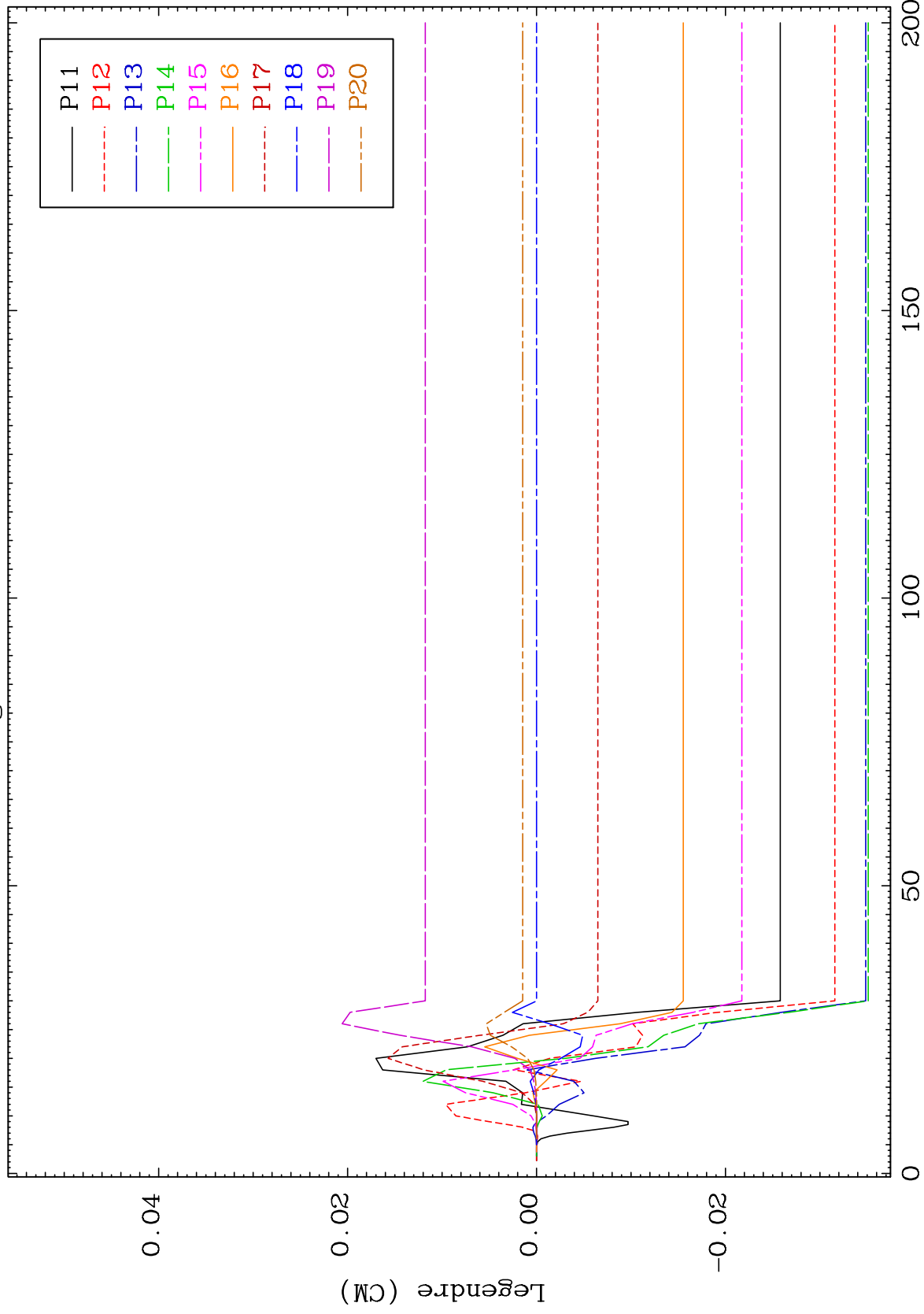
79-Au-197



MAT 7925

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

79-Au-197



61

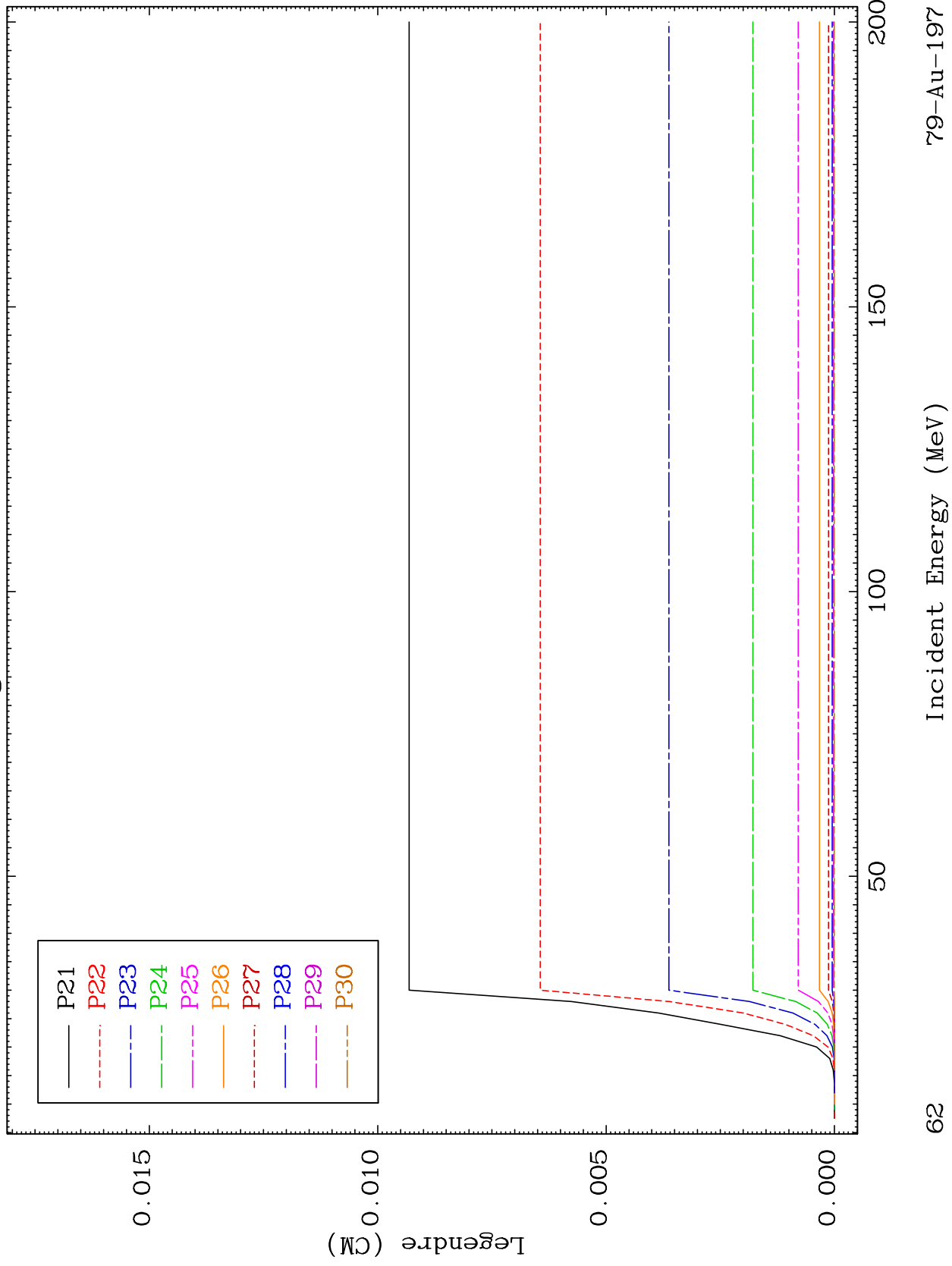
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



62

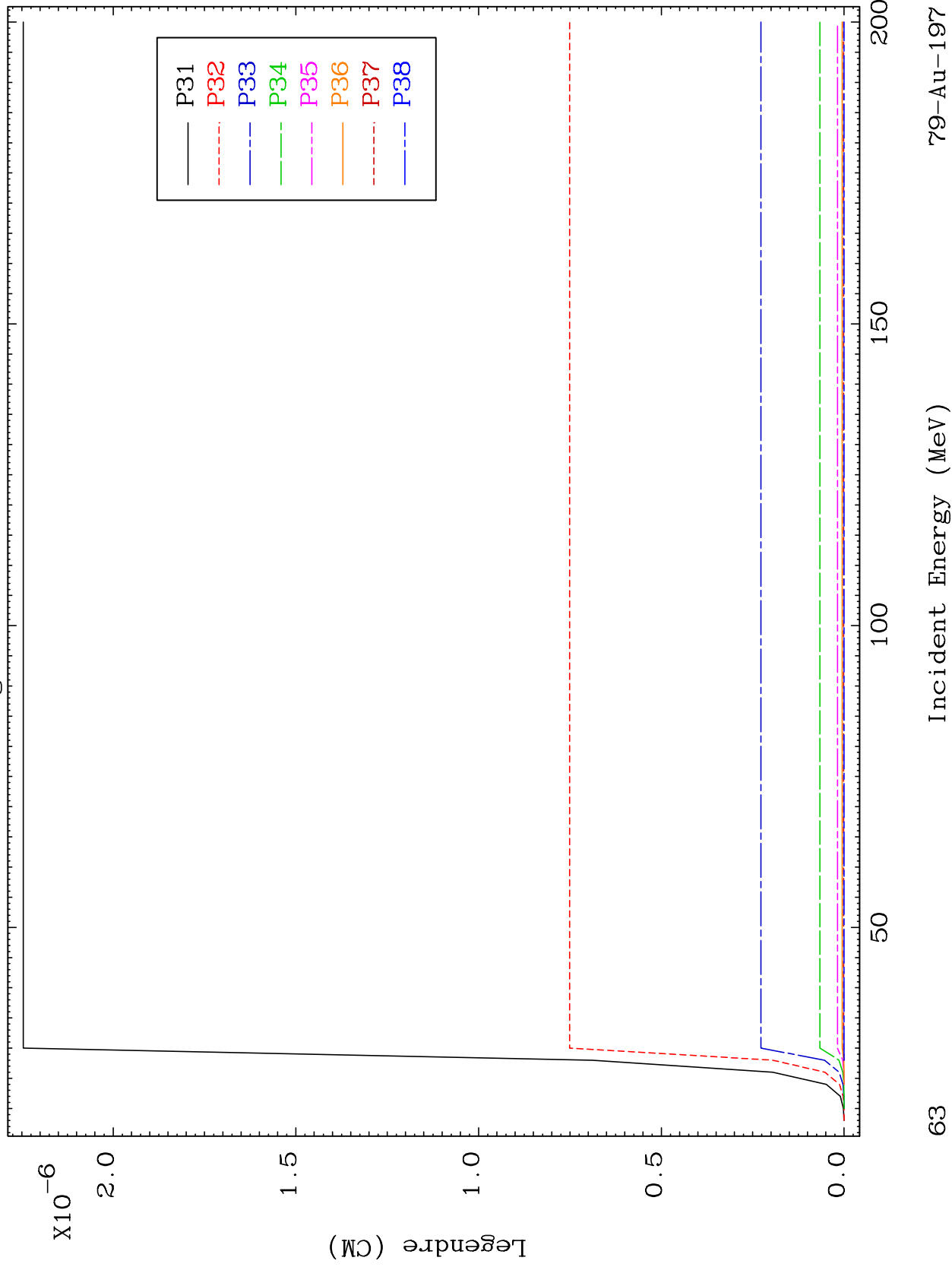
Incident Energy (MeV)

79-Au-197

MAT 7925

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

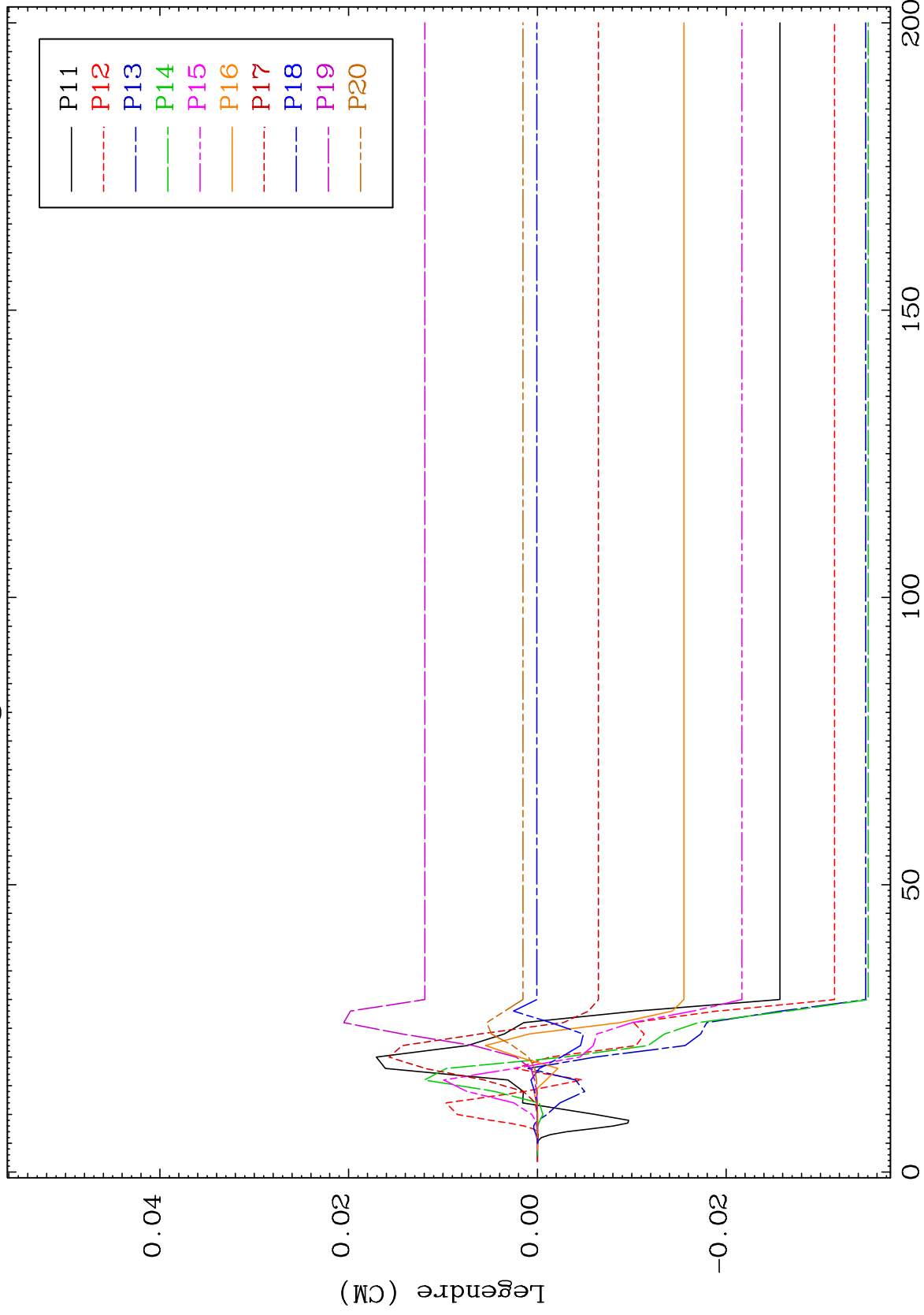
79-Au-197



MAT 7925

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

79-Au-197



65

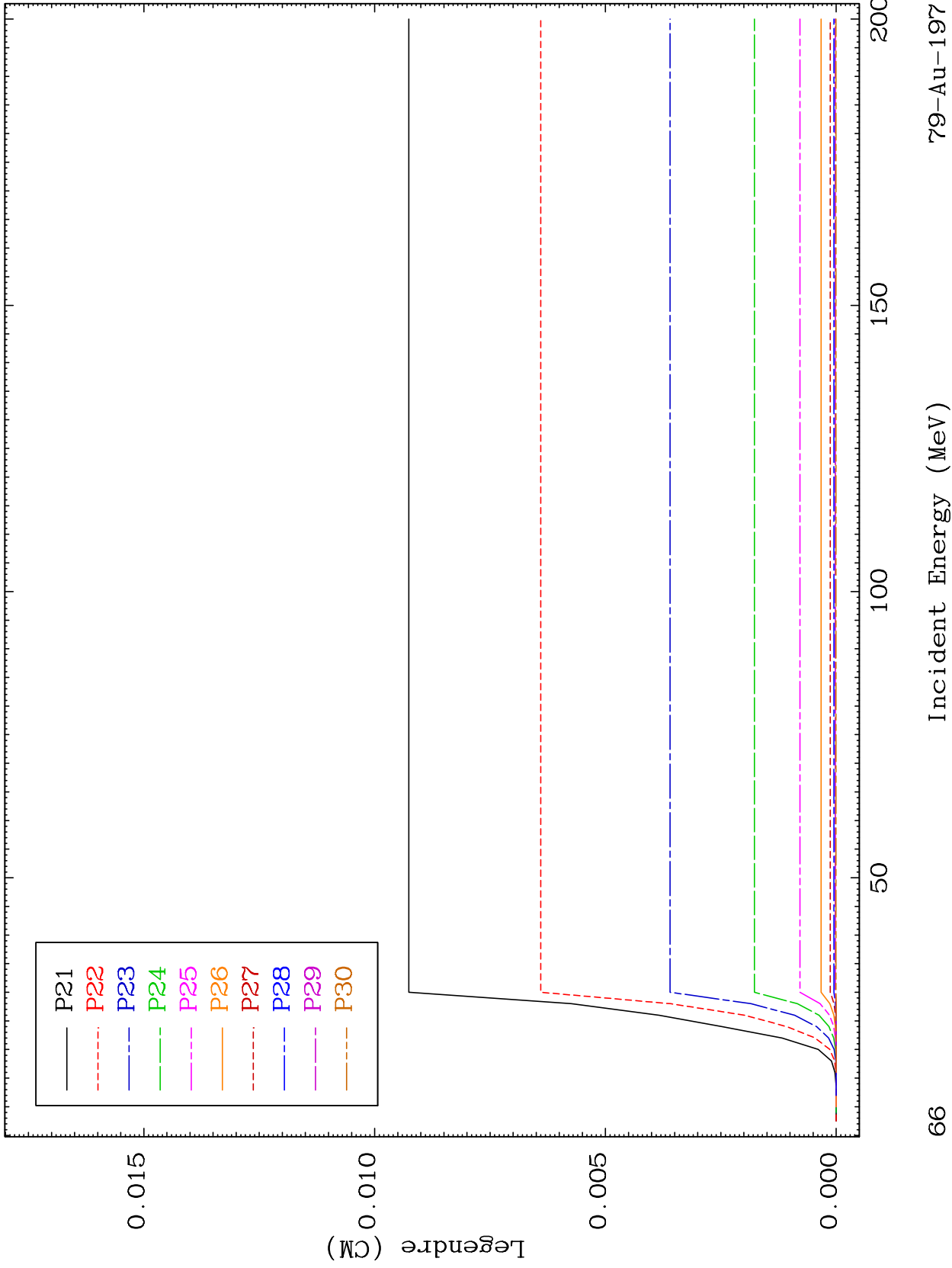
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



66

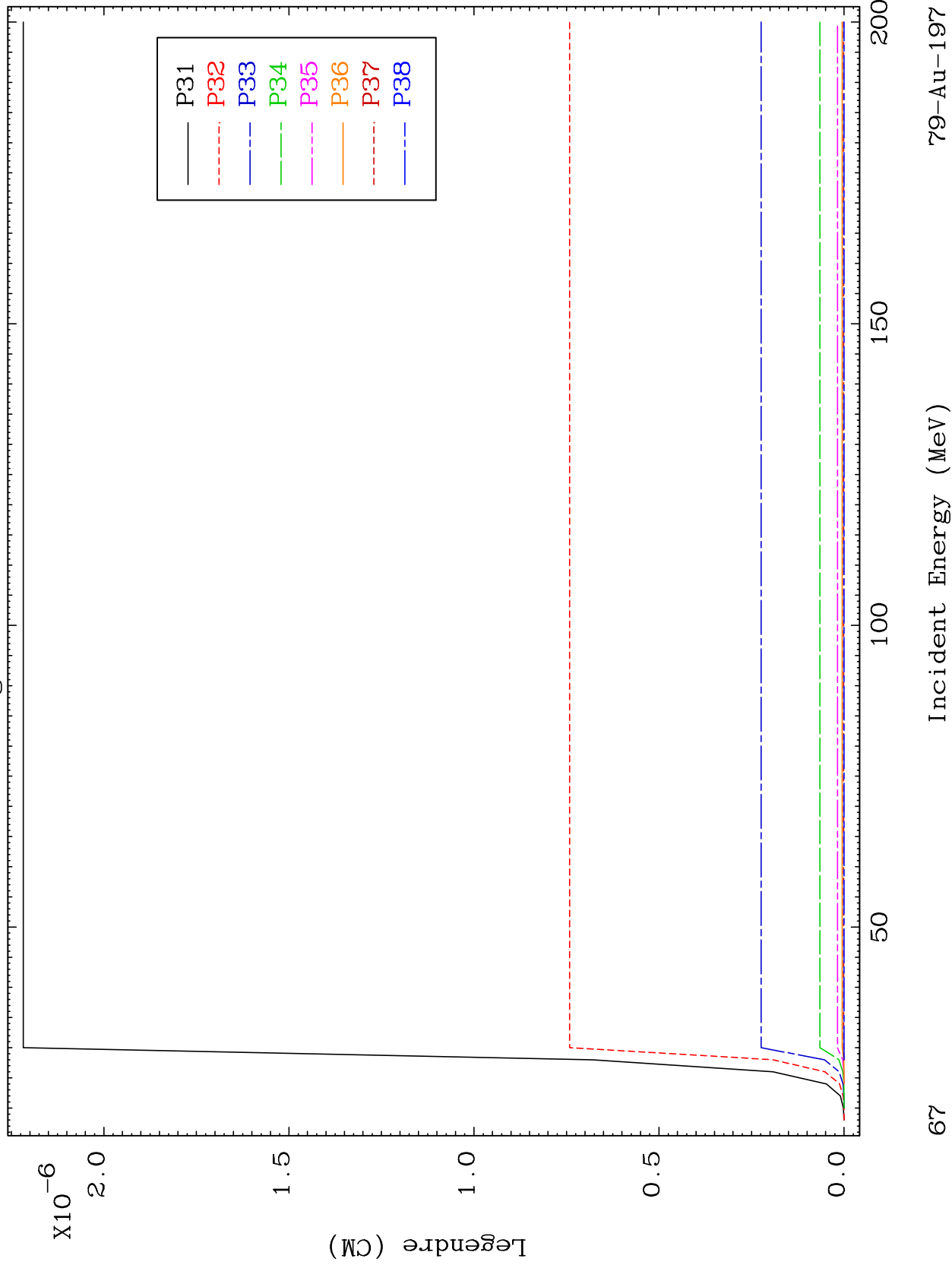
Incident Energy (MeV)

79-Au-197

MAT 7925

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

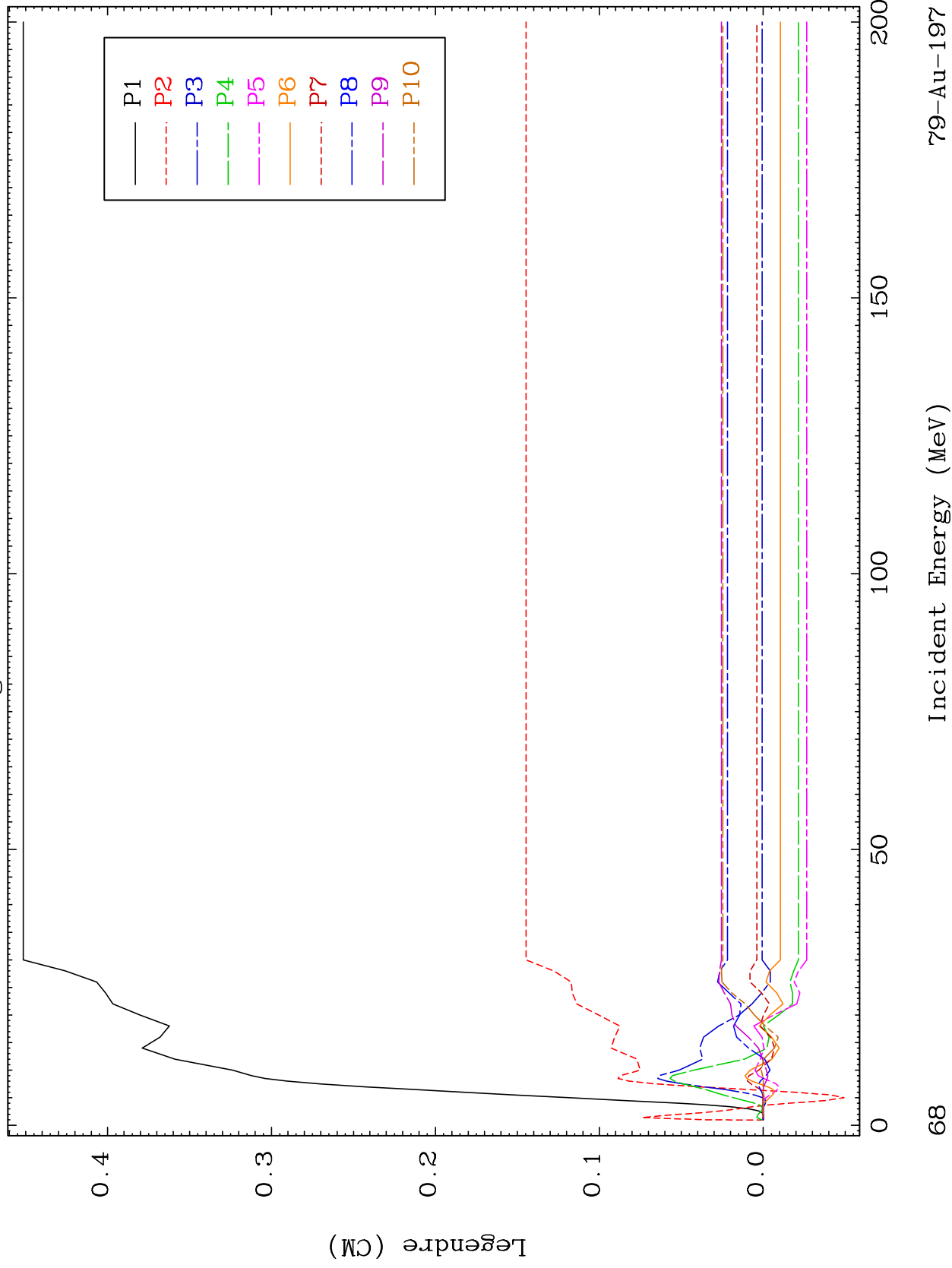
79-Au-197



MAT 7925

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

79-Au-197



79-Au-197

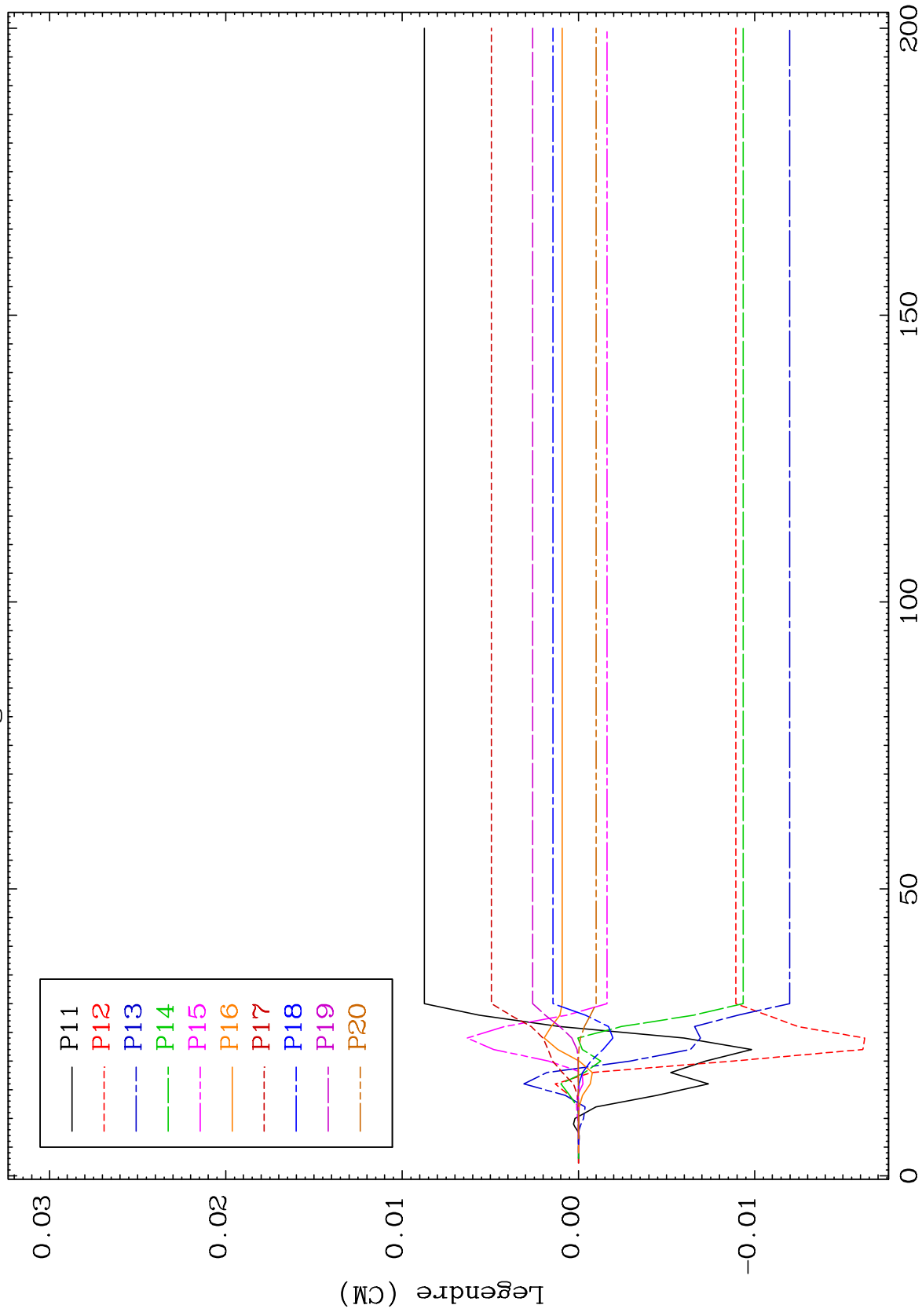
Incident Energy (MeV)

68

MAT 7925

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

79-Au-197



69

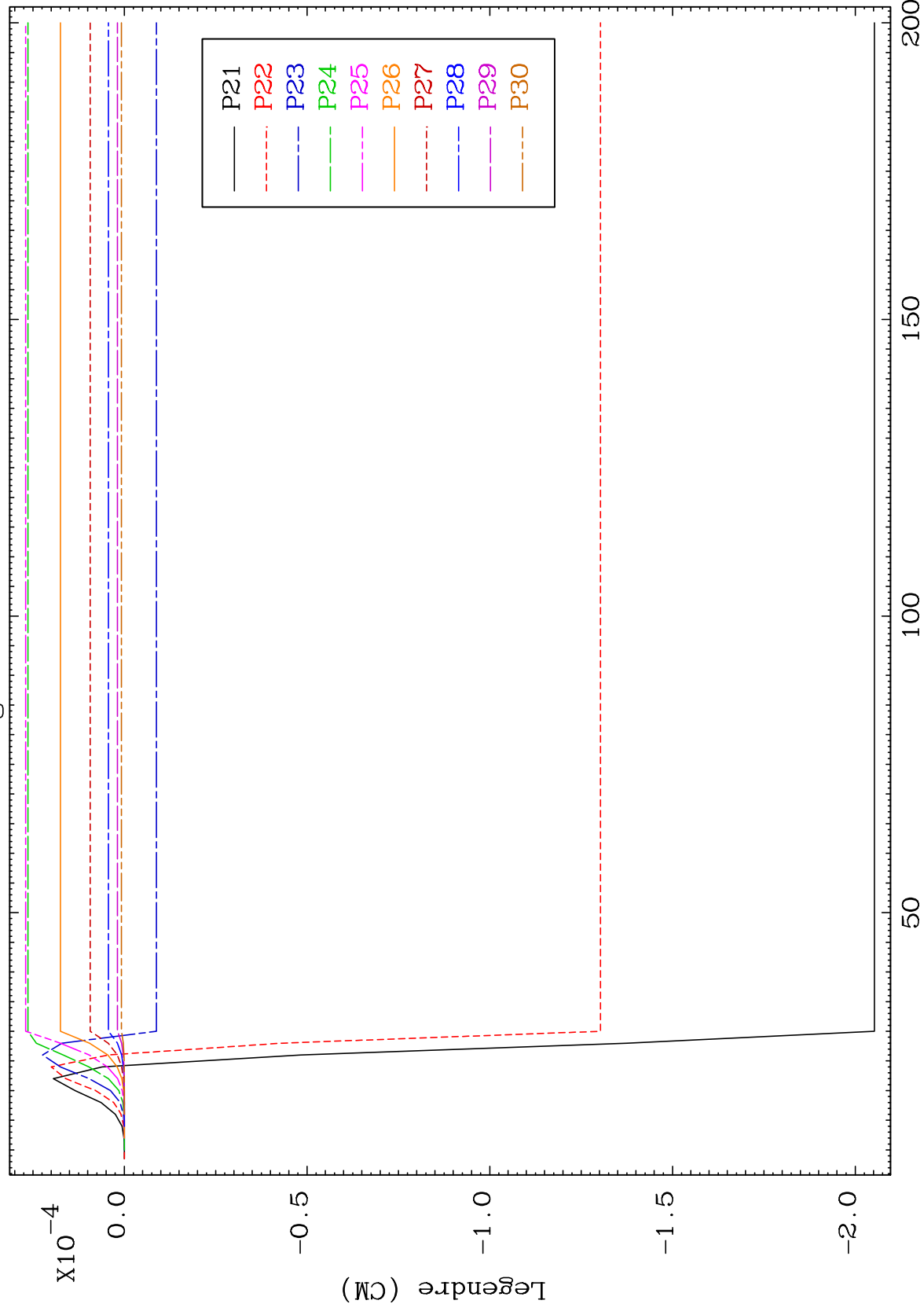
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



79-Au-197

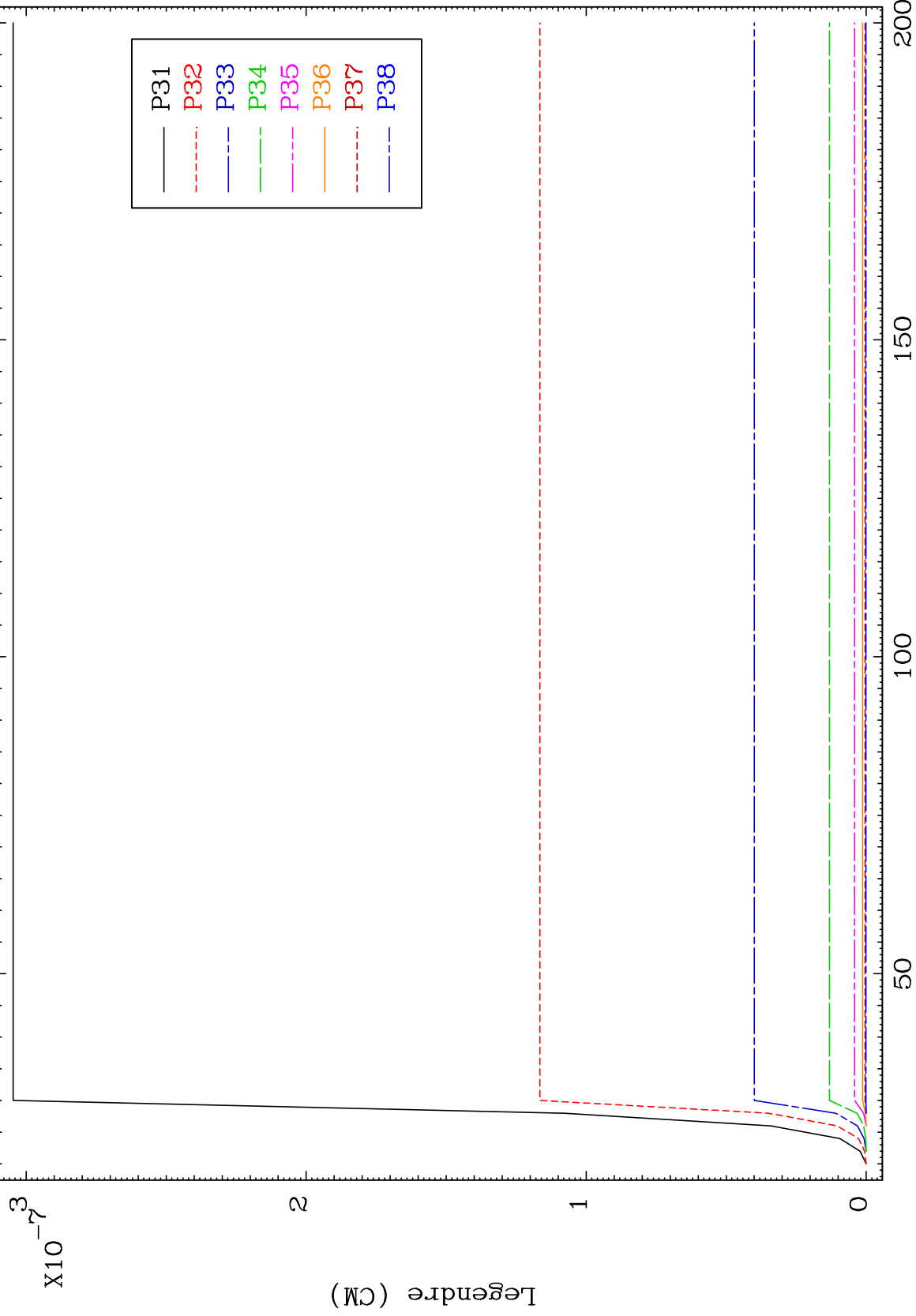
Incident Energy (MeV)

70

MAT 7925

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

79-Au-197



71

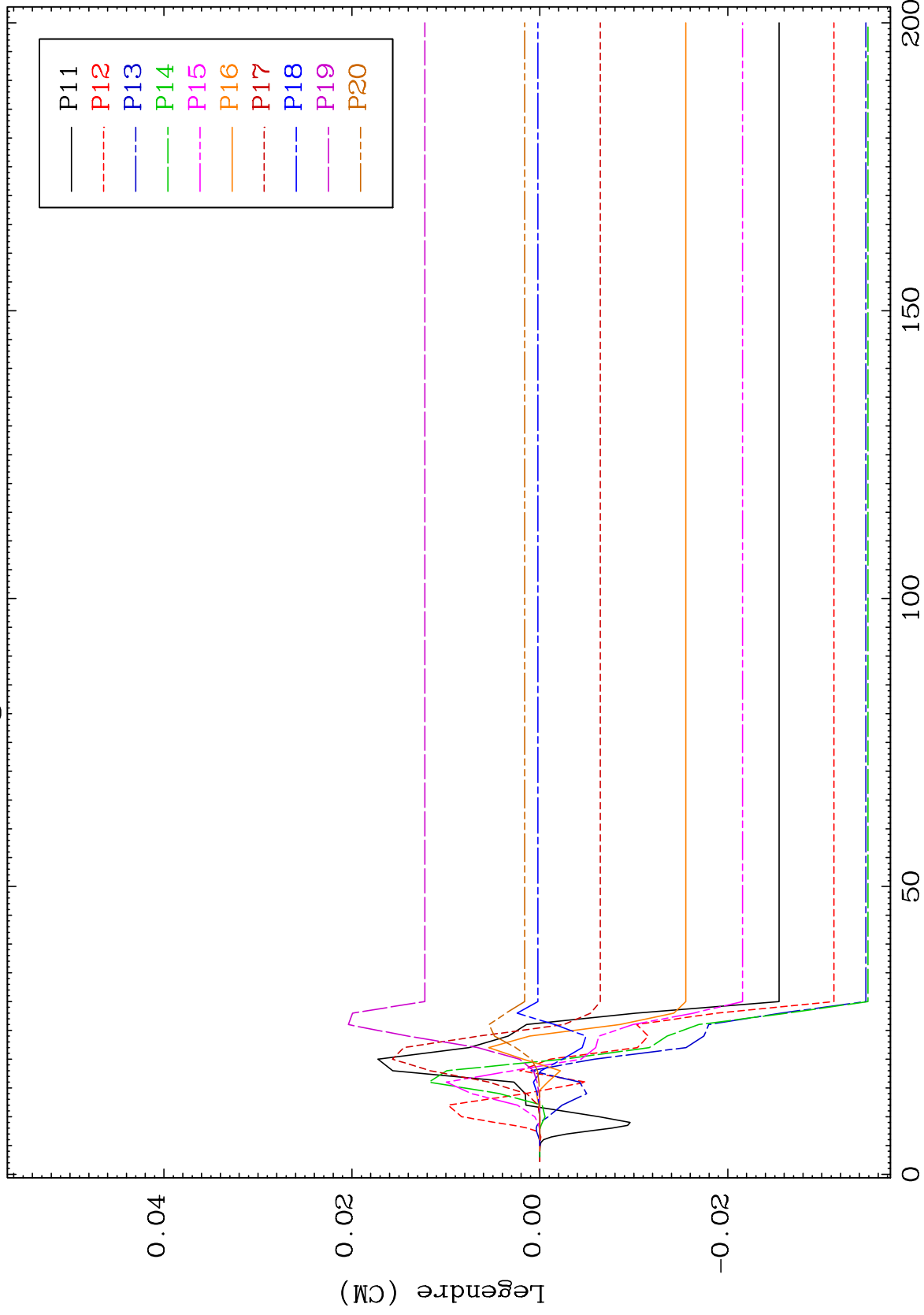
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



73

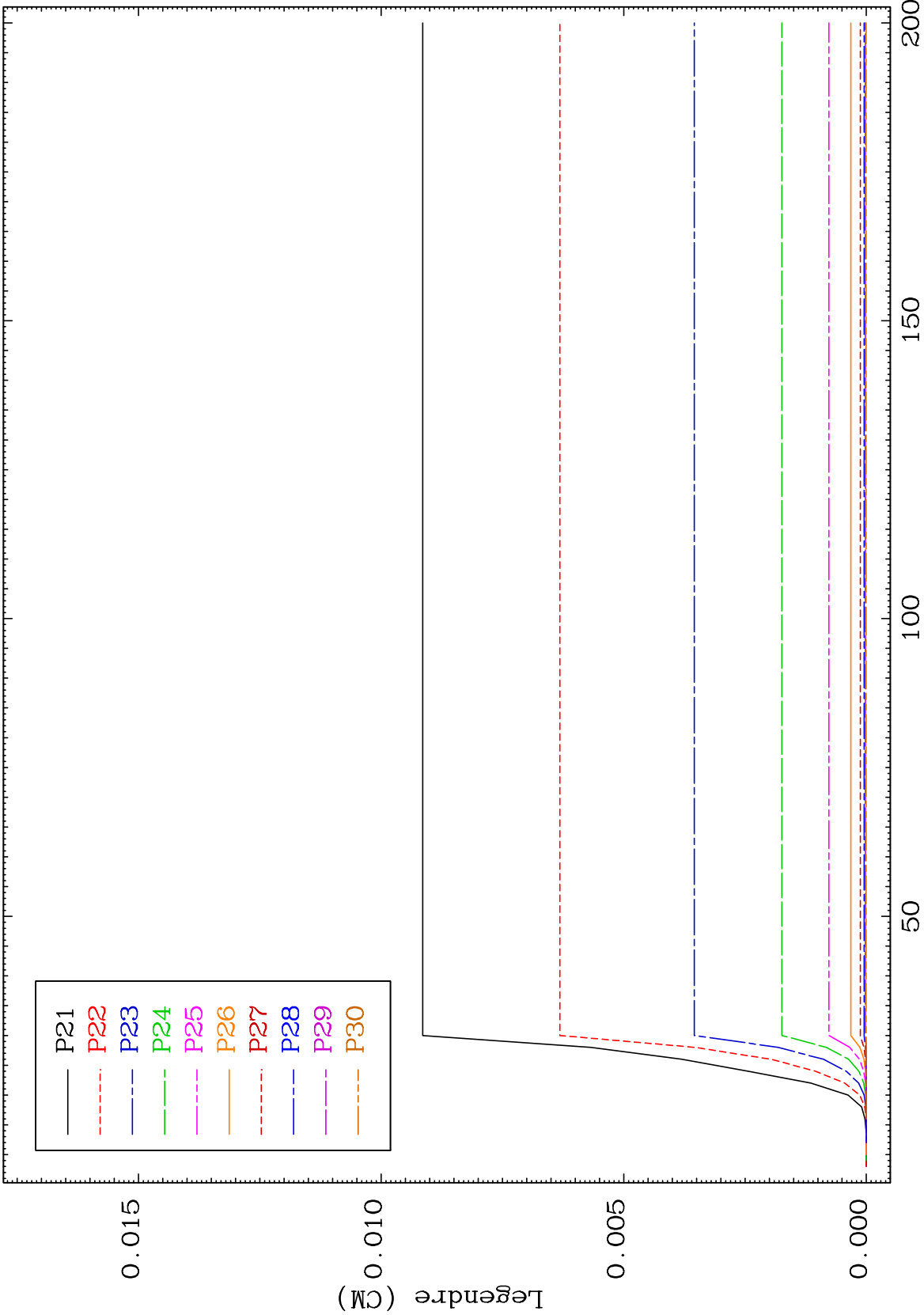
Incident Energy (MeV)

79-Au-197

MAT 7925

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

79-Au-197



74

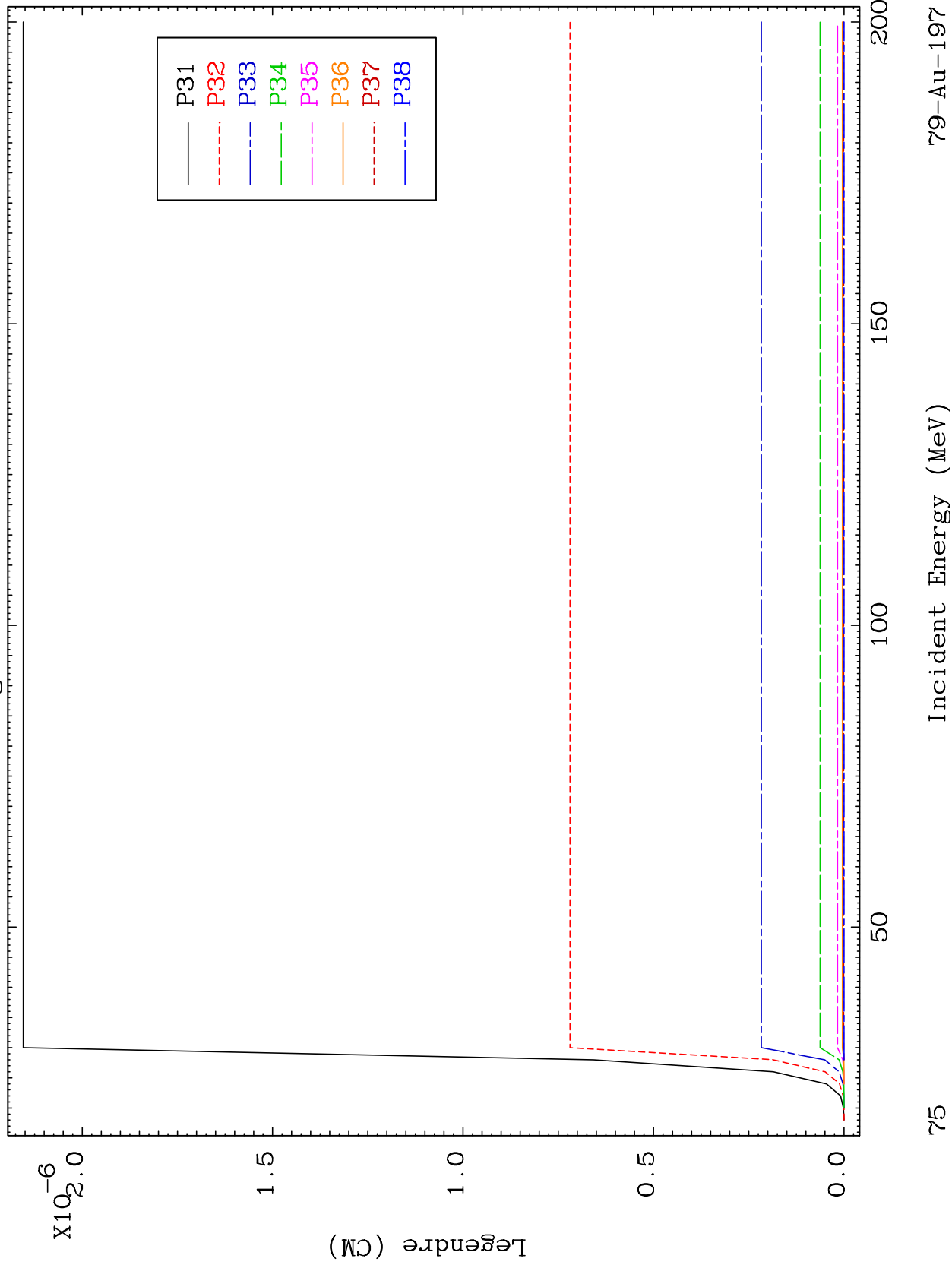
Incident Energy (MeV)

79-Au-197

MAT 7925

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

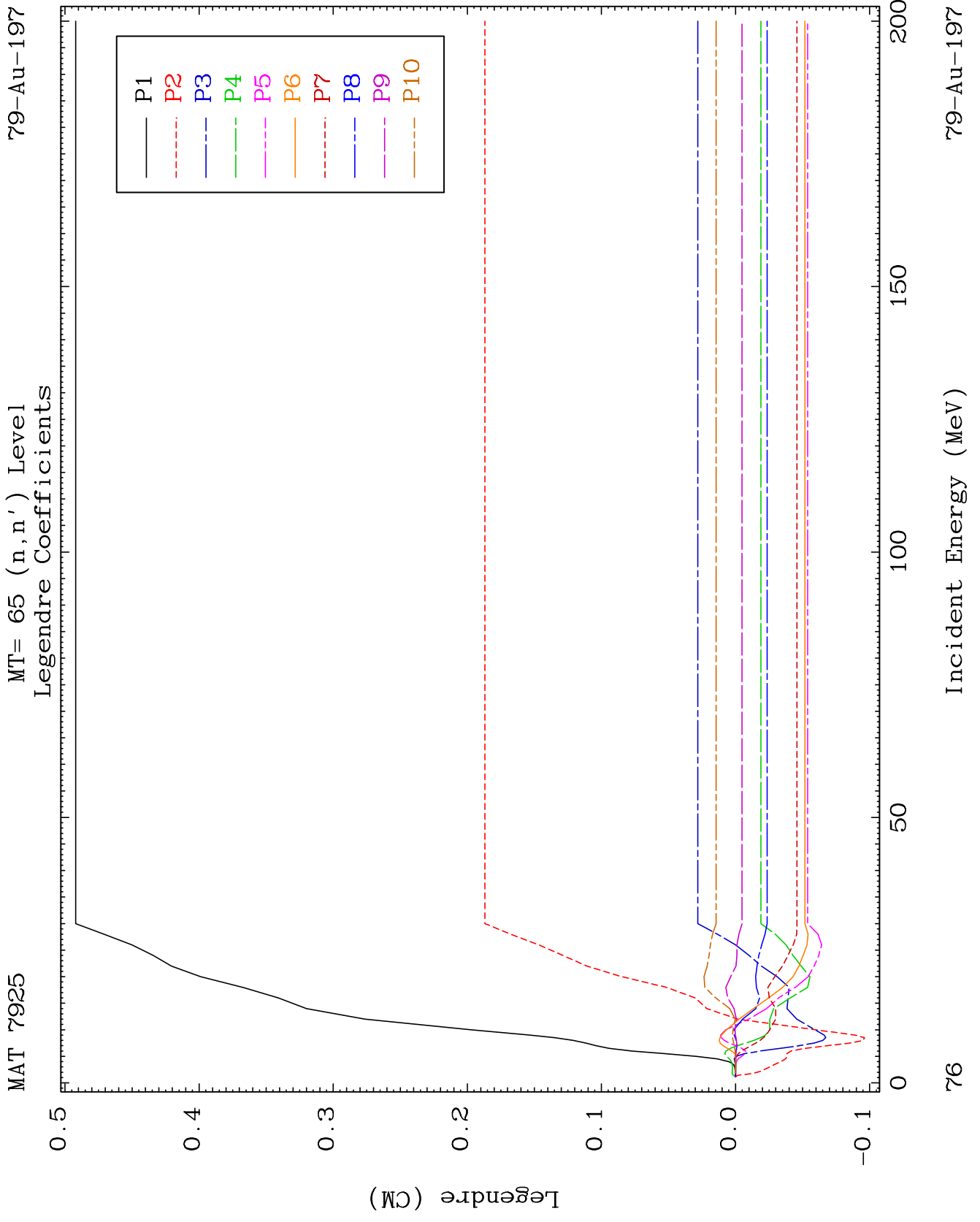
79-Au-197

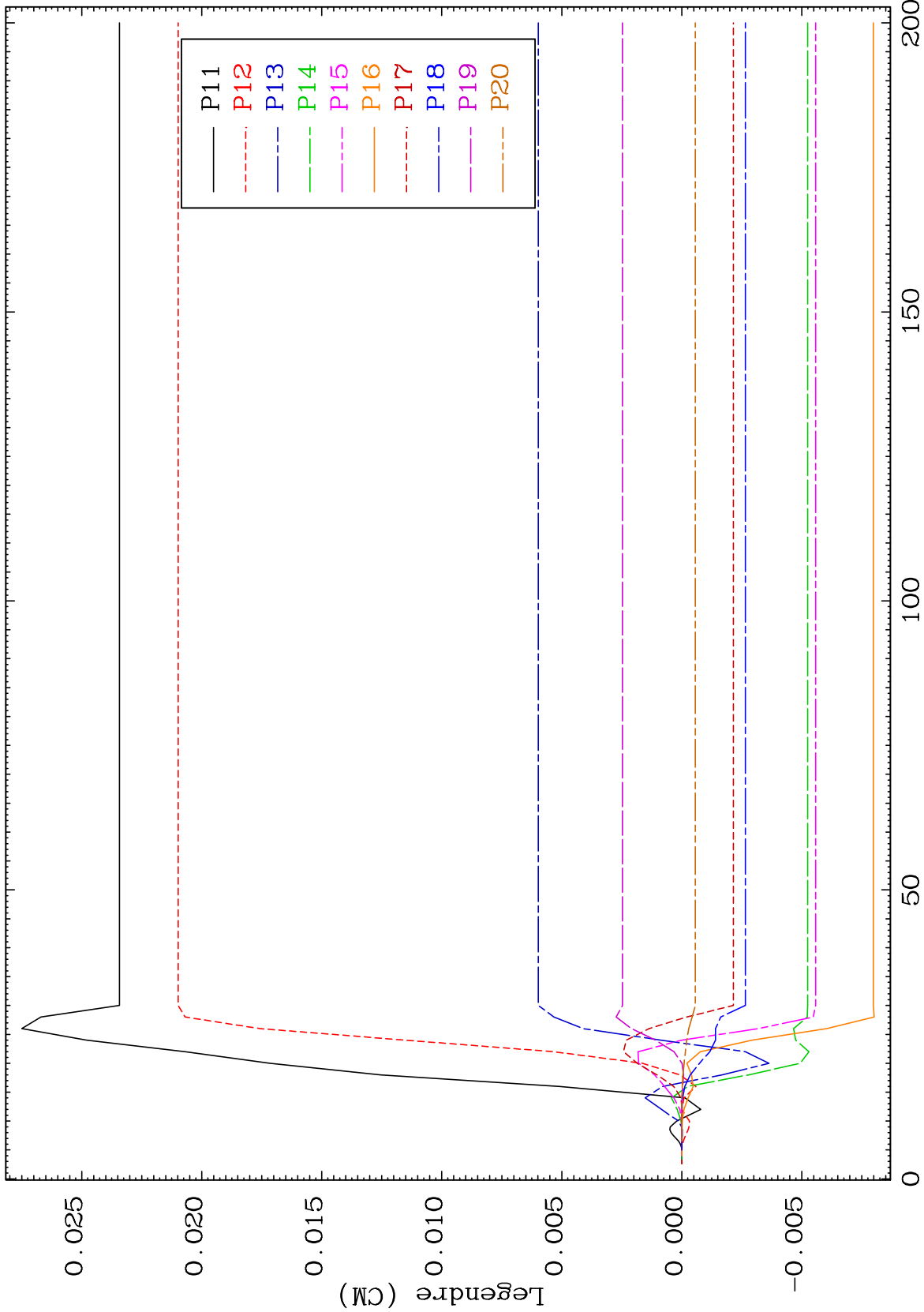


79-Au-197

Incident Energy (MeV)

75

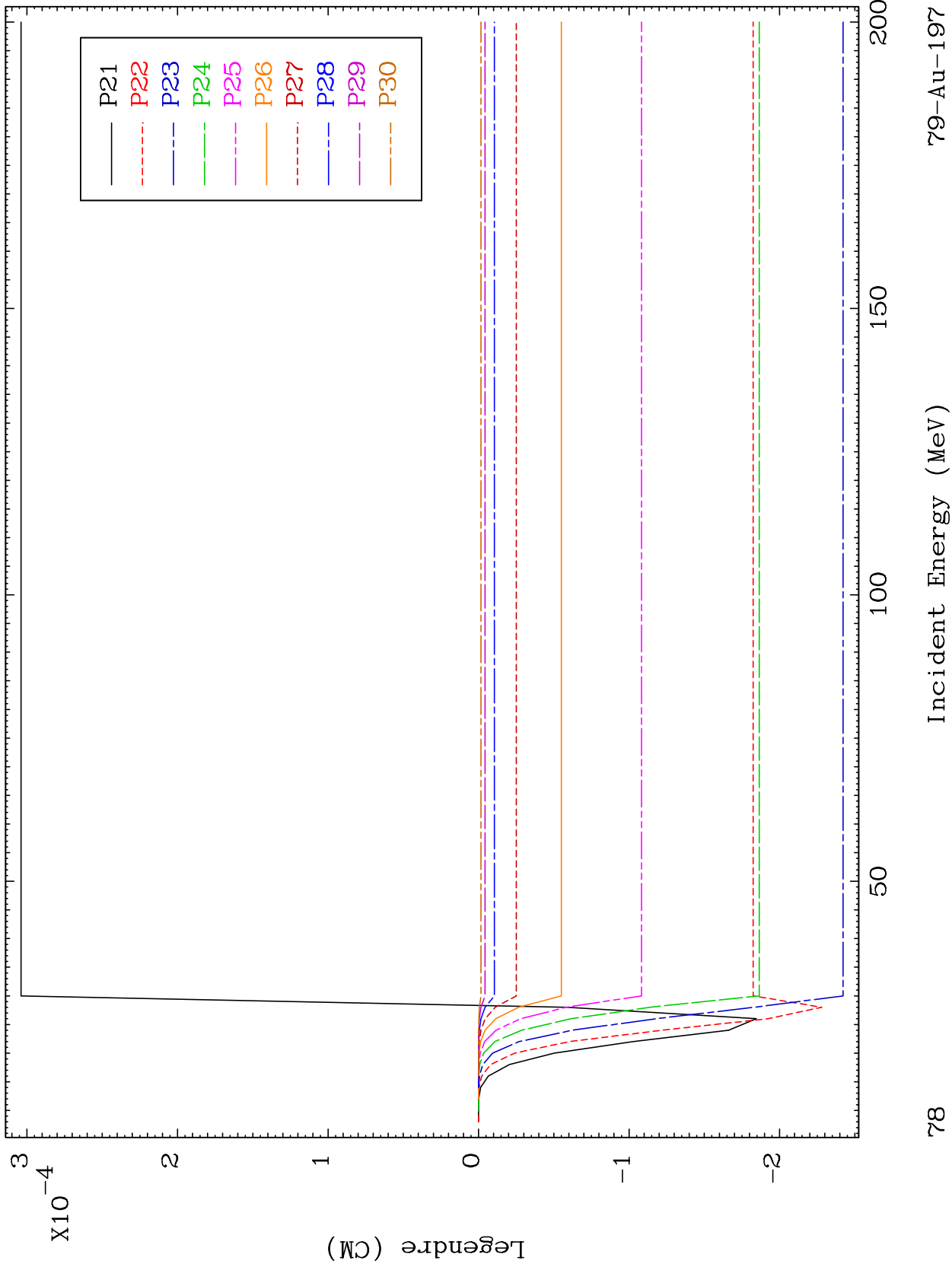




MAT 7925

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

79-Au-197



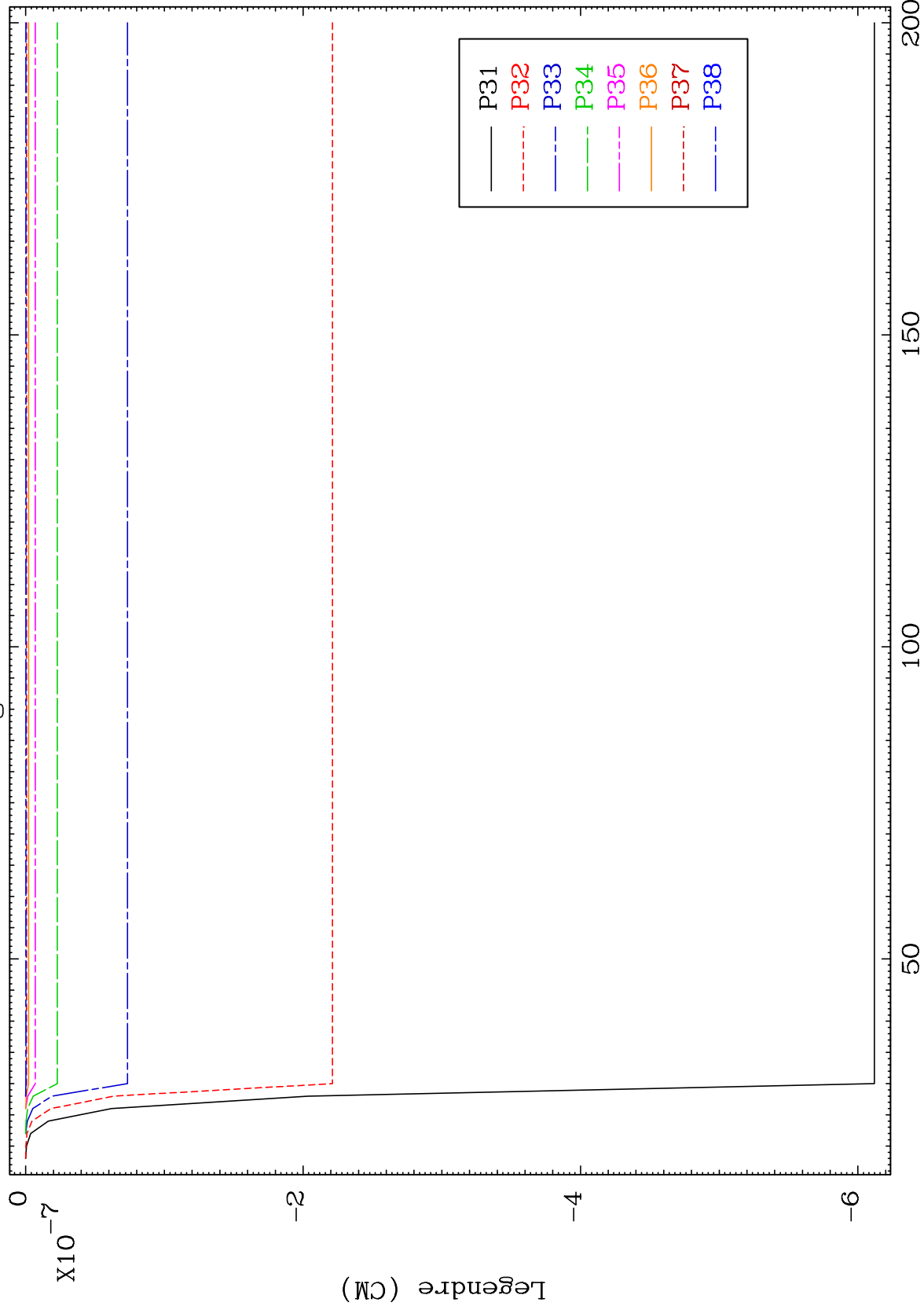
78

79-Au-197

MAT 7925

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

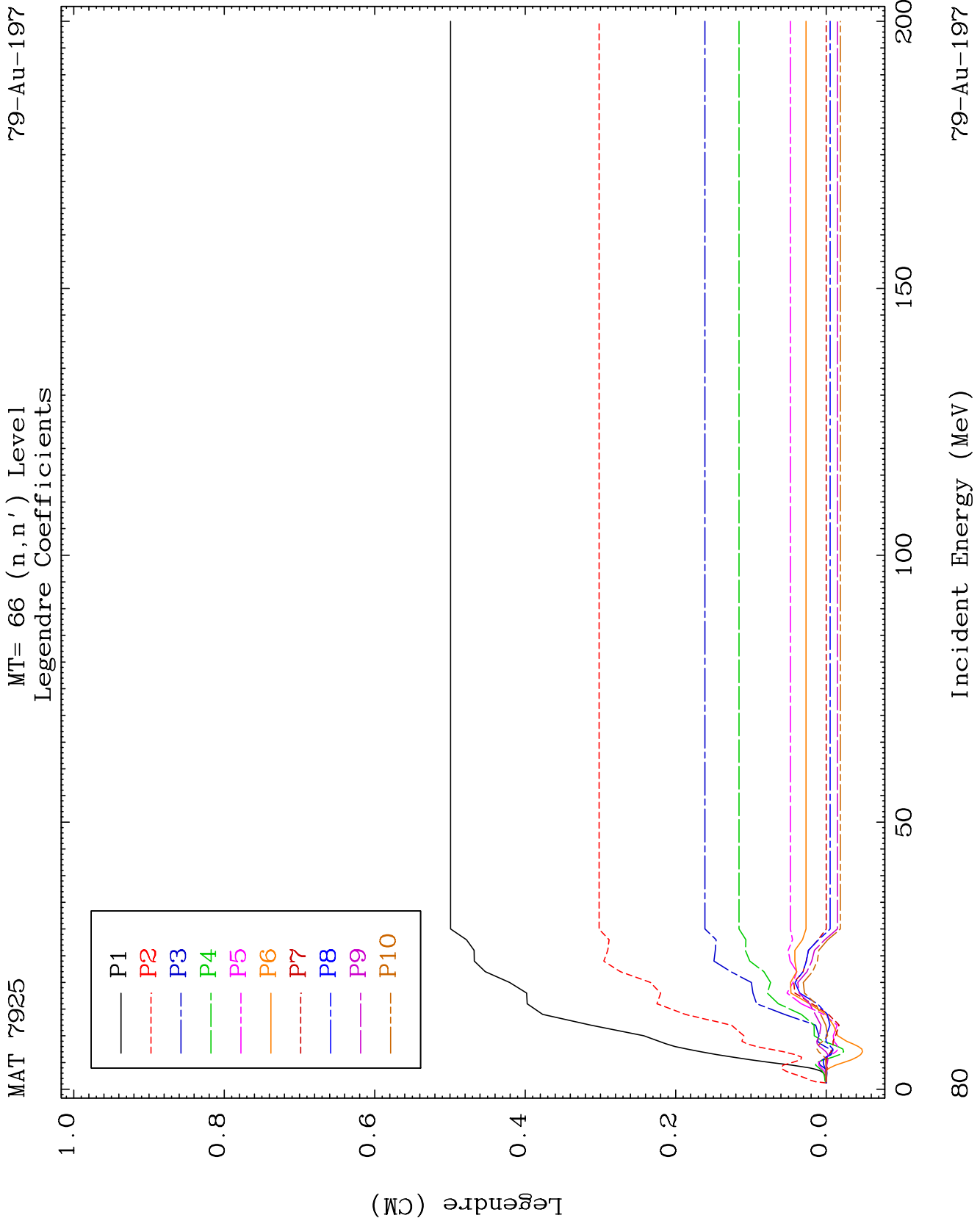
79-Au-197



79-Au-197

Incident Energy (MeV)

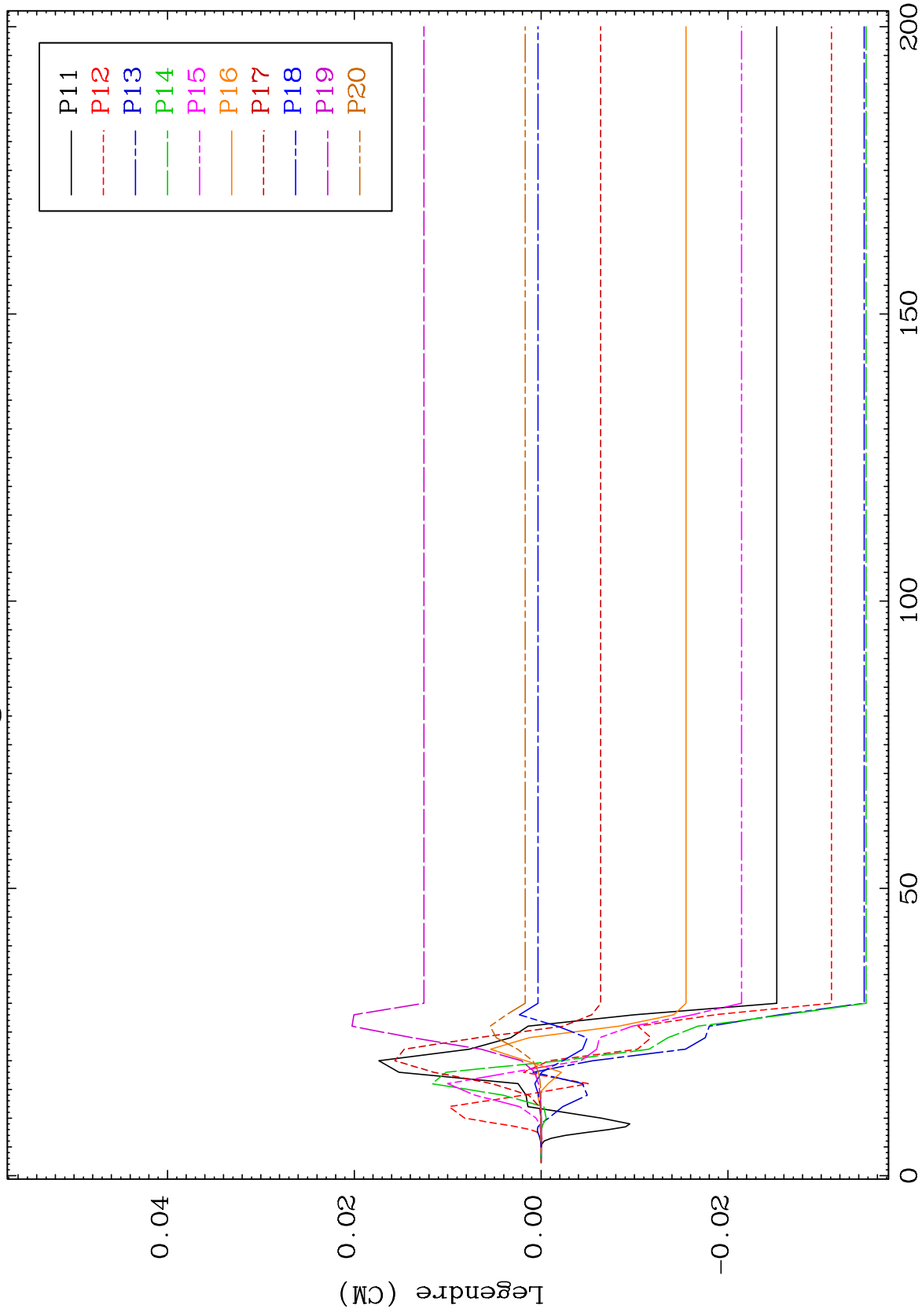
79



MAT 7925

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

79-Au-197



81

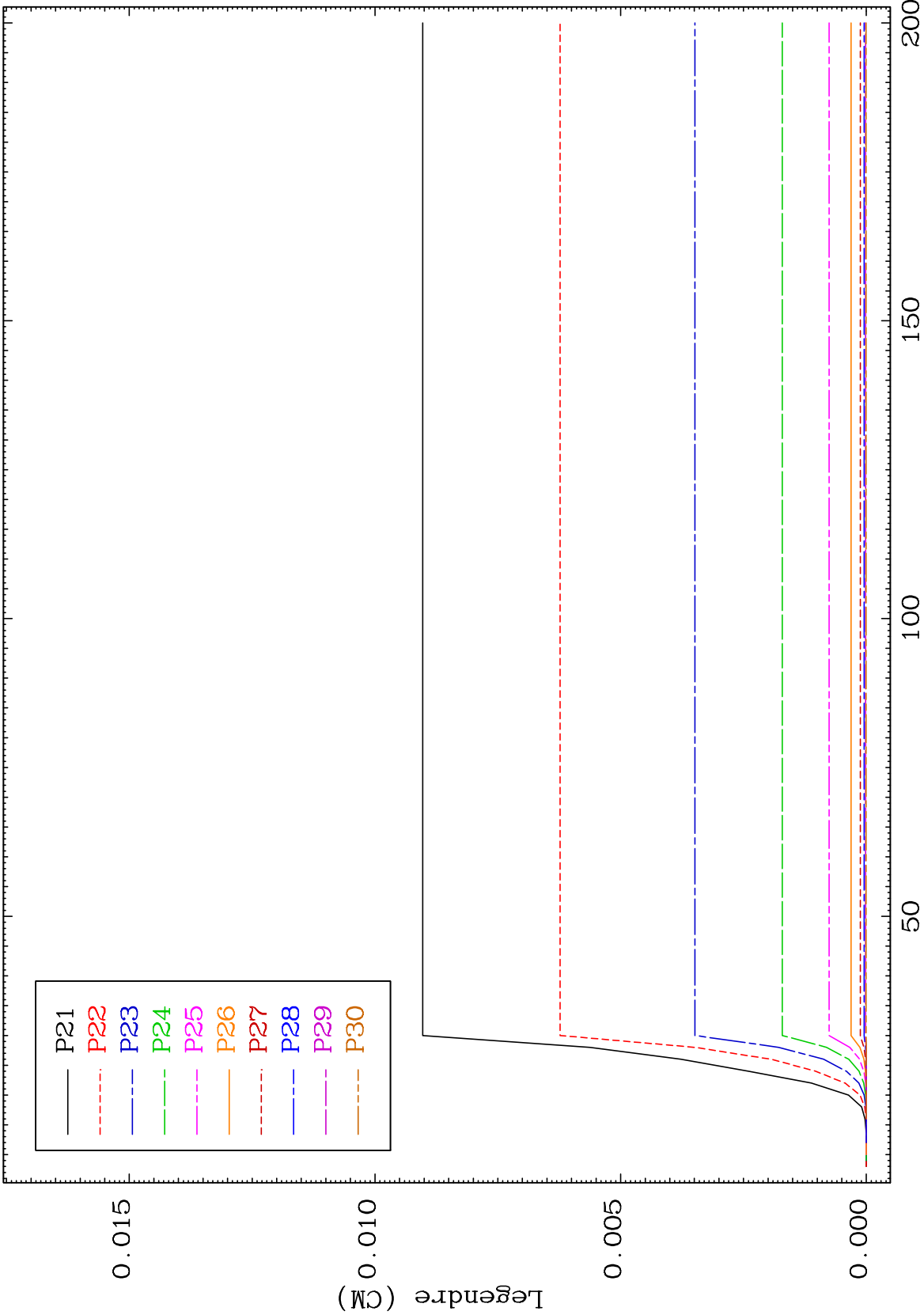
Incident Energy (MeV)

79-Au-197

MAT 7925

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

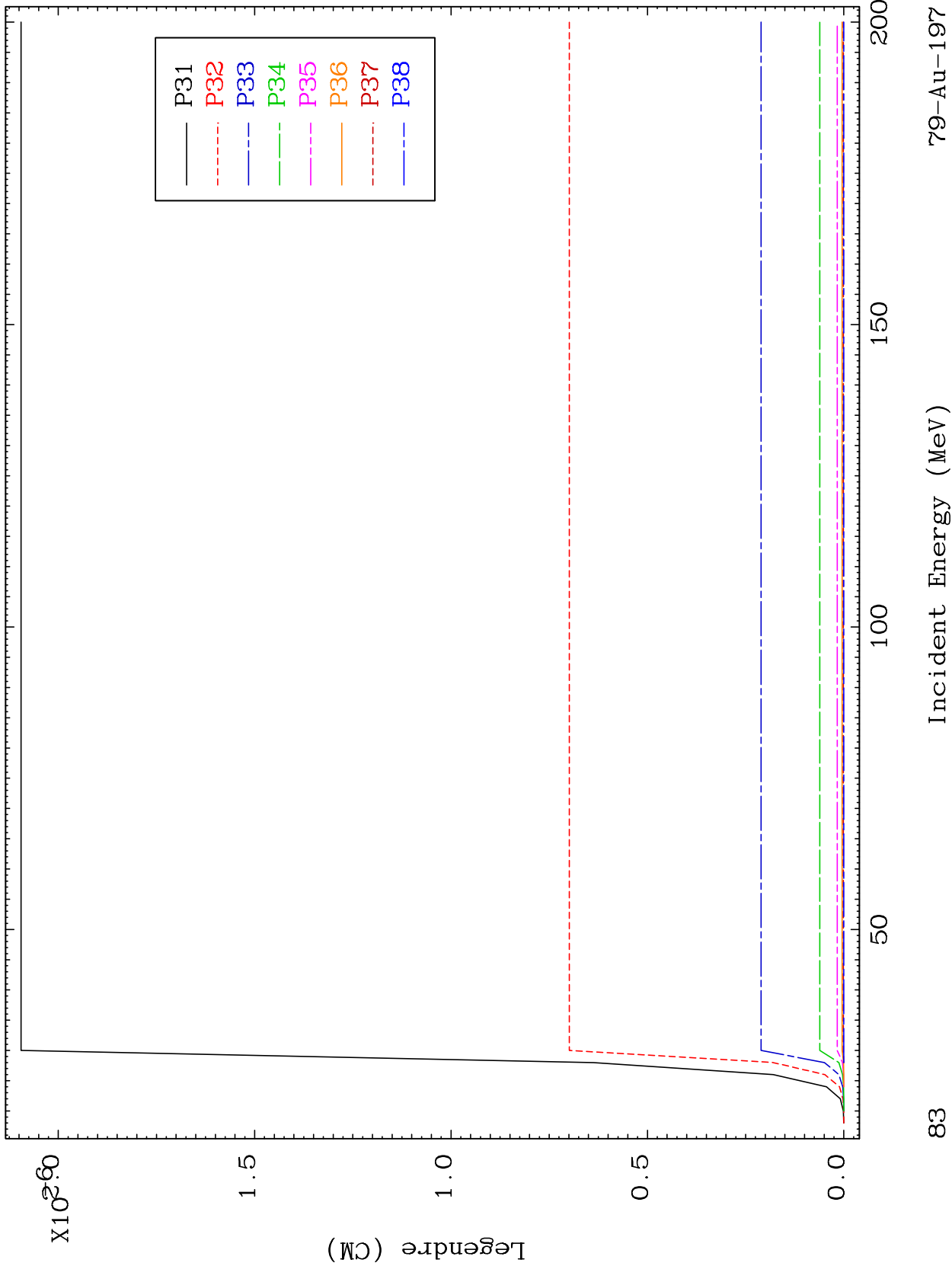
79-Au-197



82

Incident Energy (MeV)

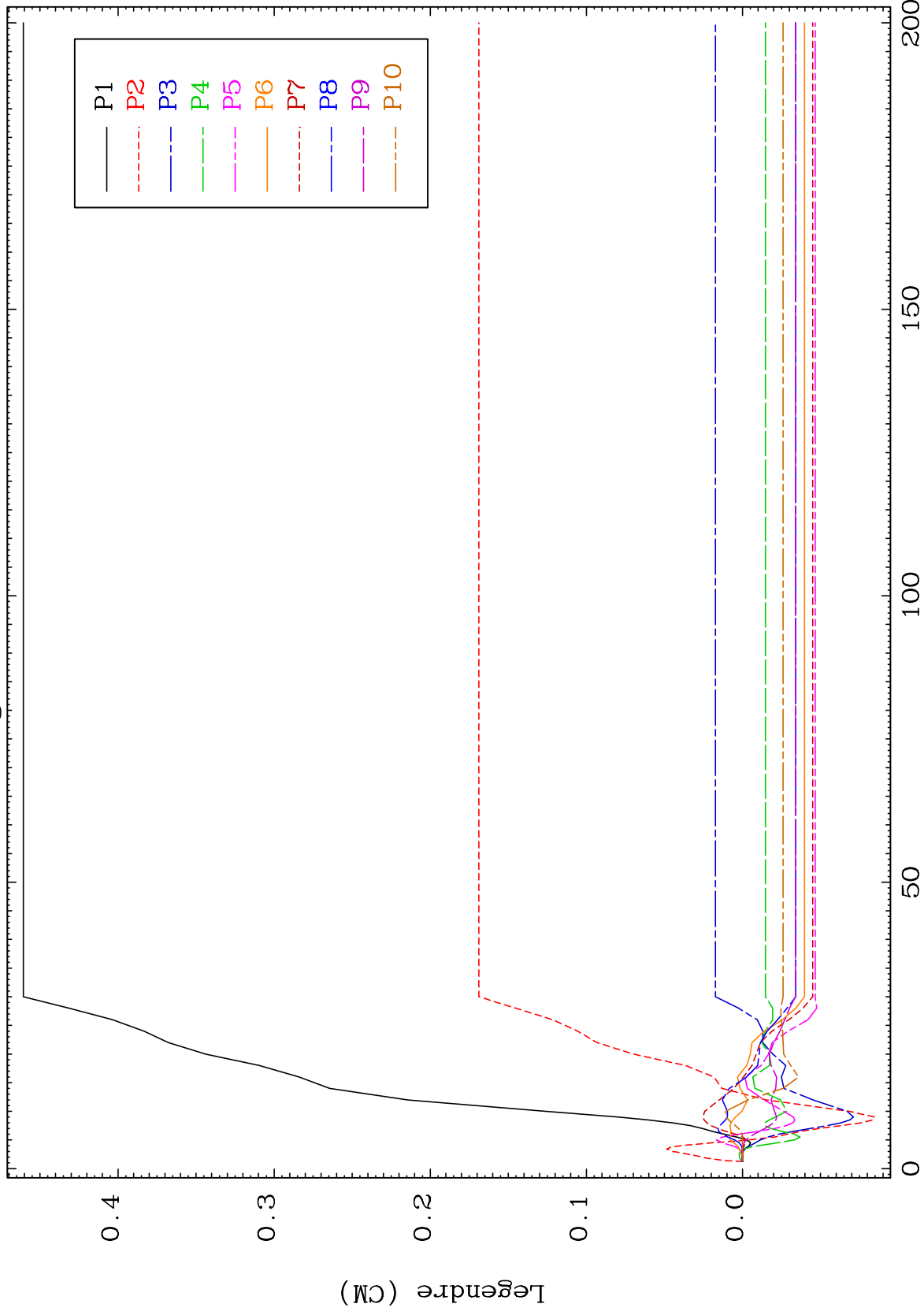
79-Au-197



MAT 7925

MT= 67 (n,n') Level
Legendre Coefficients

79-Au-197



84

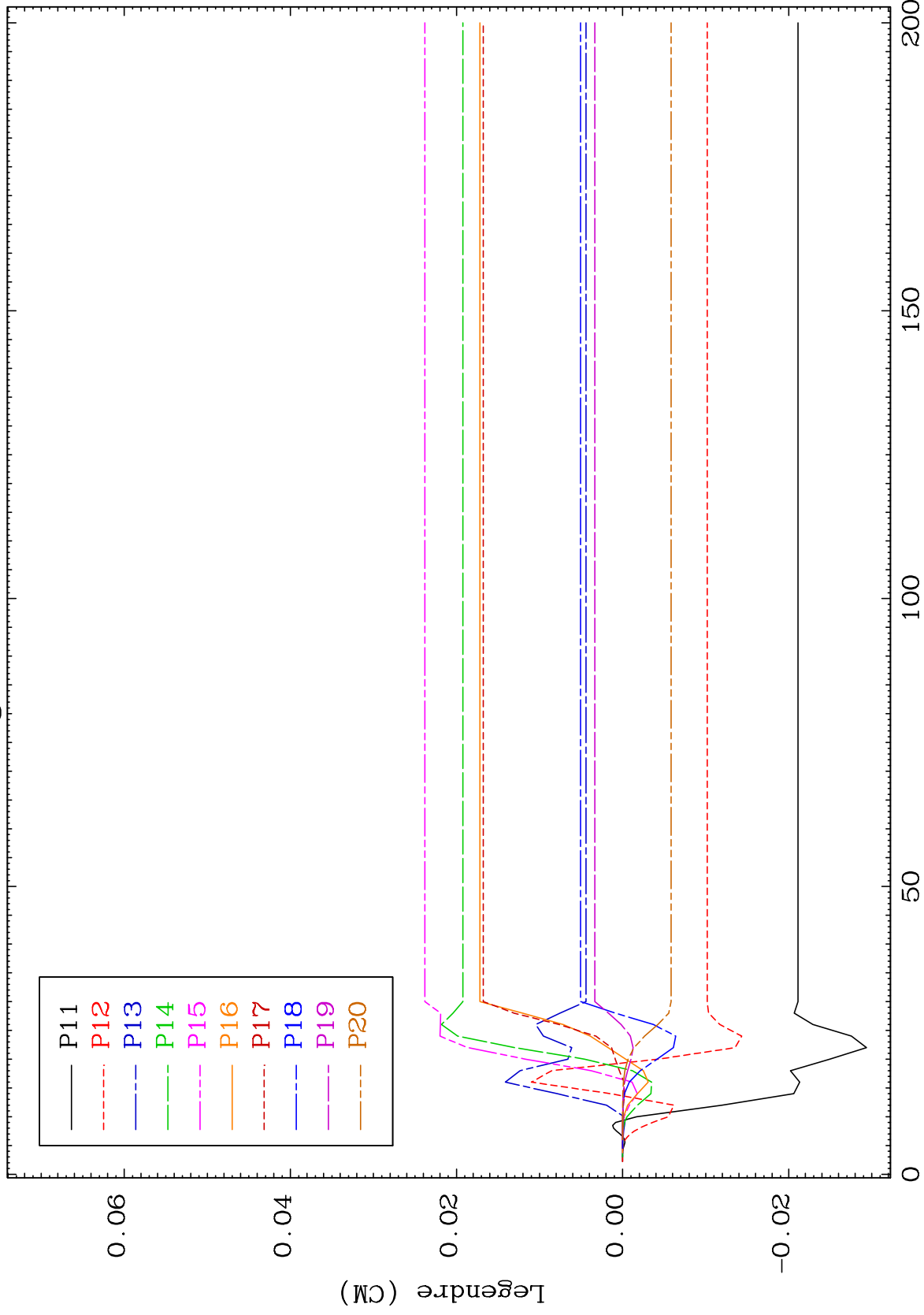
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 67 (n,n') Level
Legendre Coefficients

79-Au-197



85

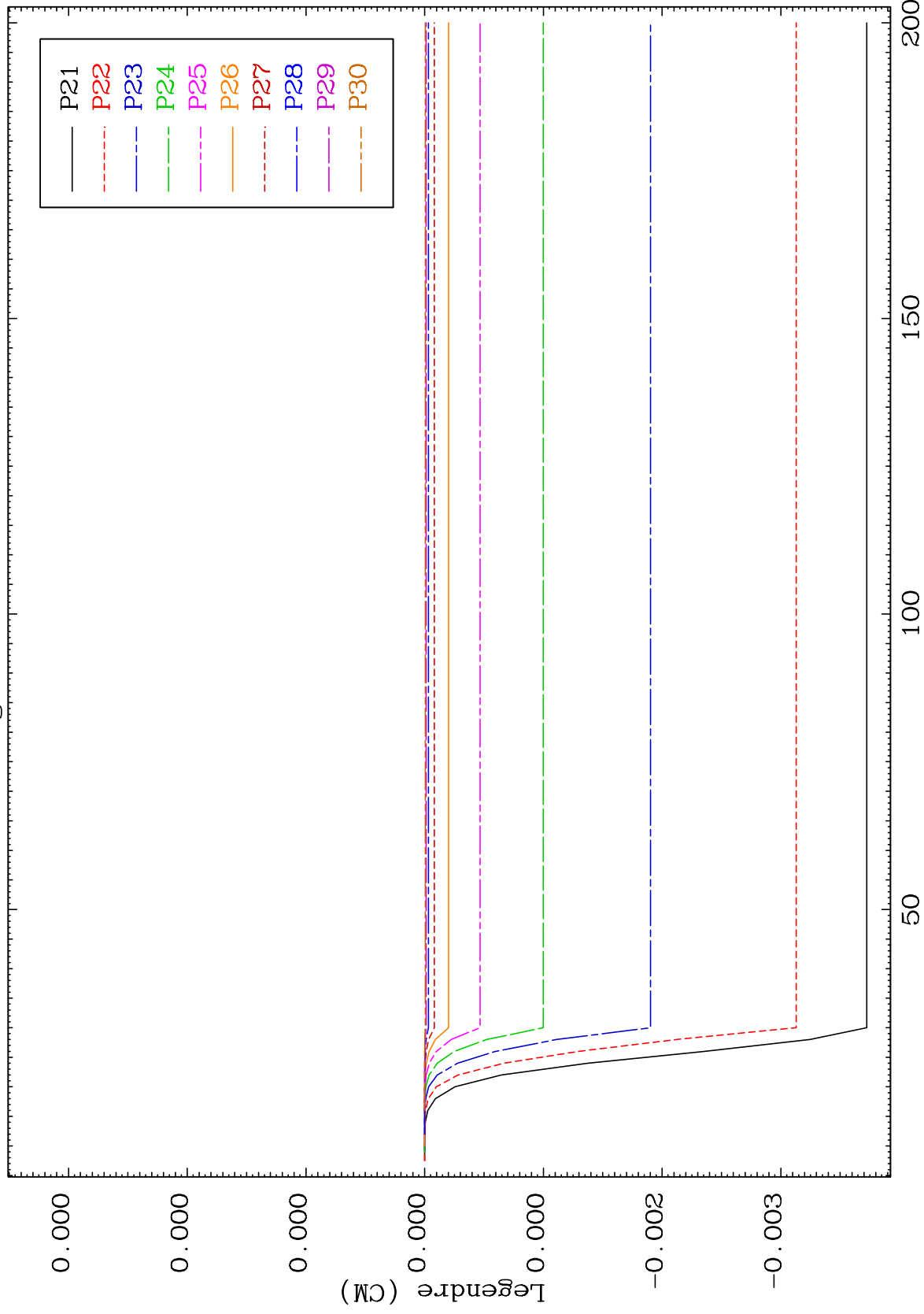
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 67 (n,n') Level
Legendre Coefficients

79-Au-197



86

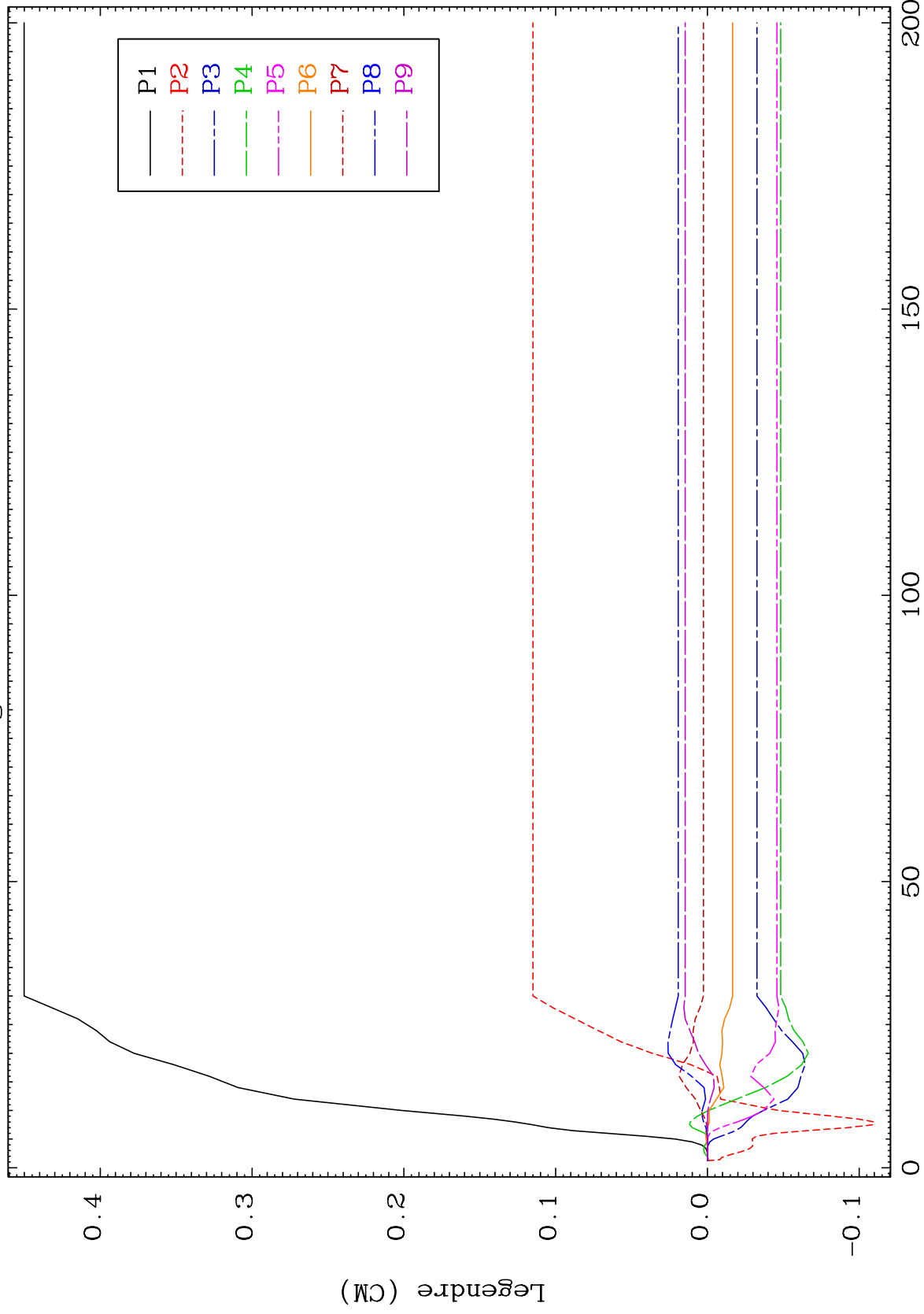
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 68 (n,n') Level
Legendre Coefficients

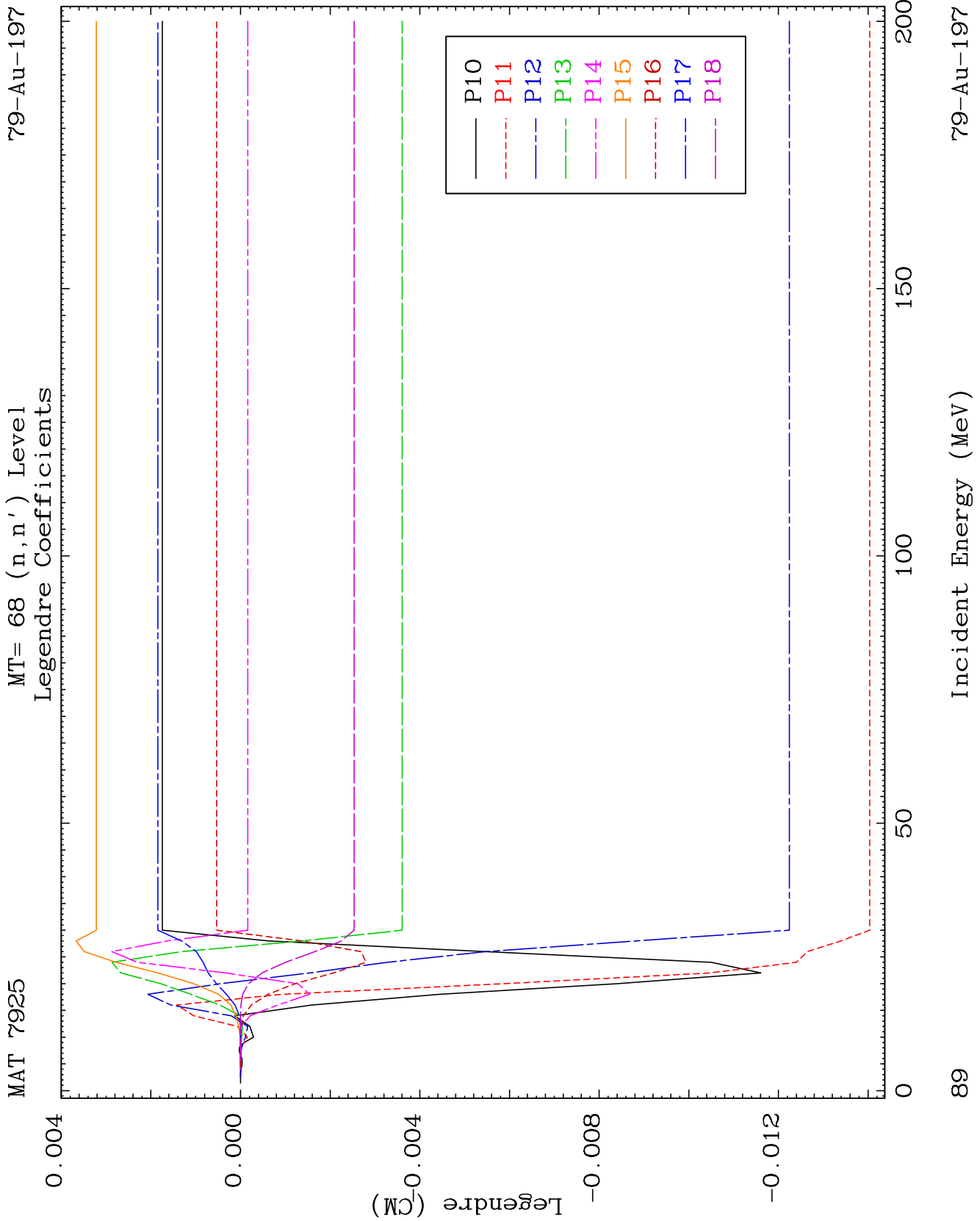
79-Au-197



88

Incident Energy (MeV)

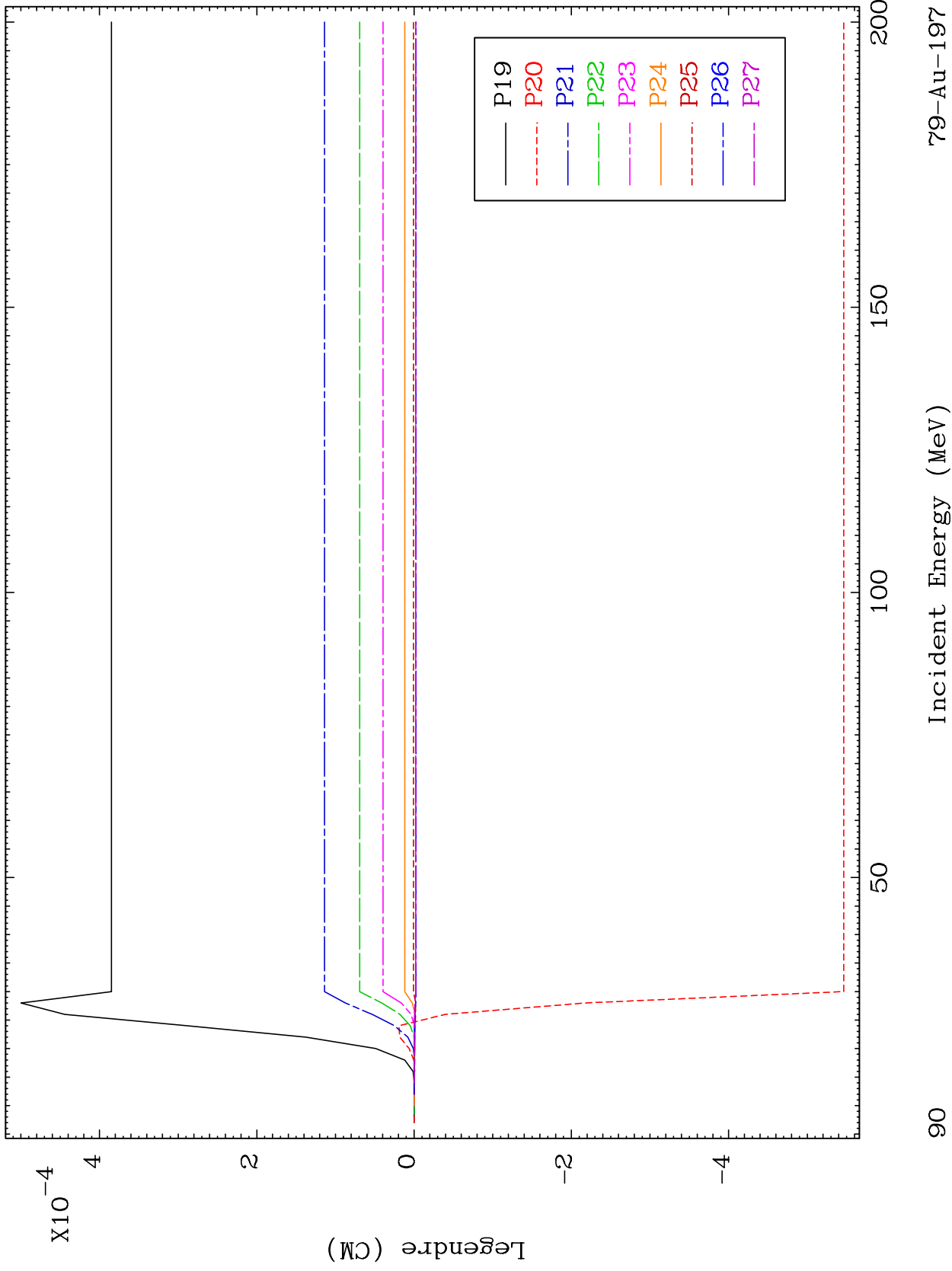
79-Au-197



MAT 7925

MT= 68 (n,n') Level
Legendre Coefficients

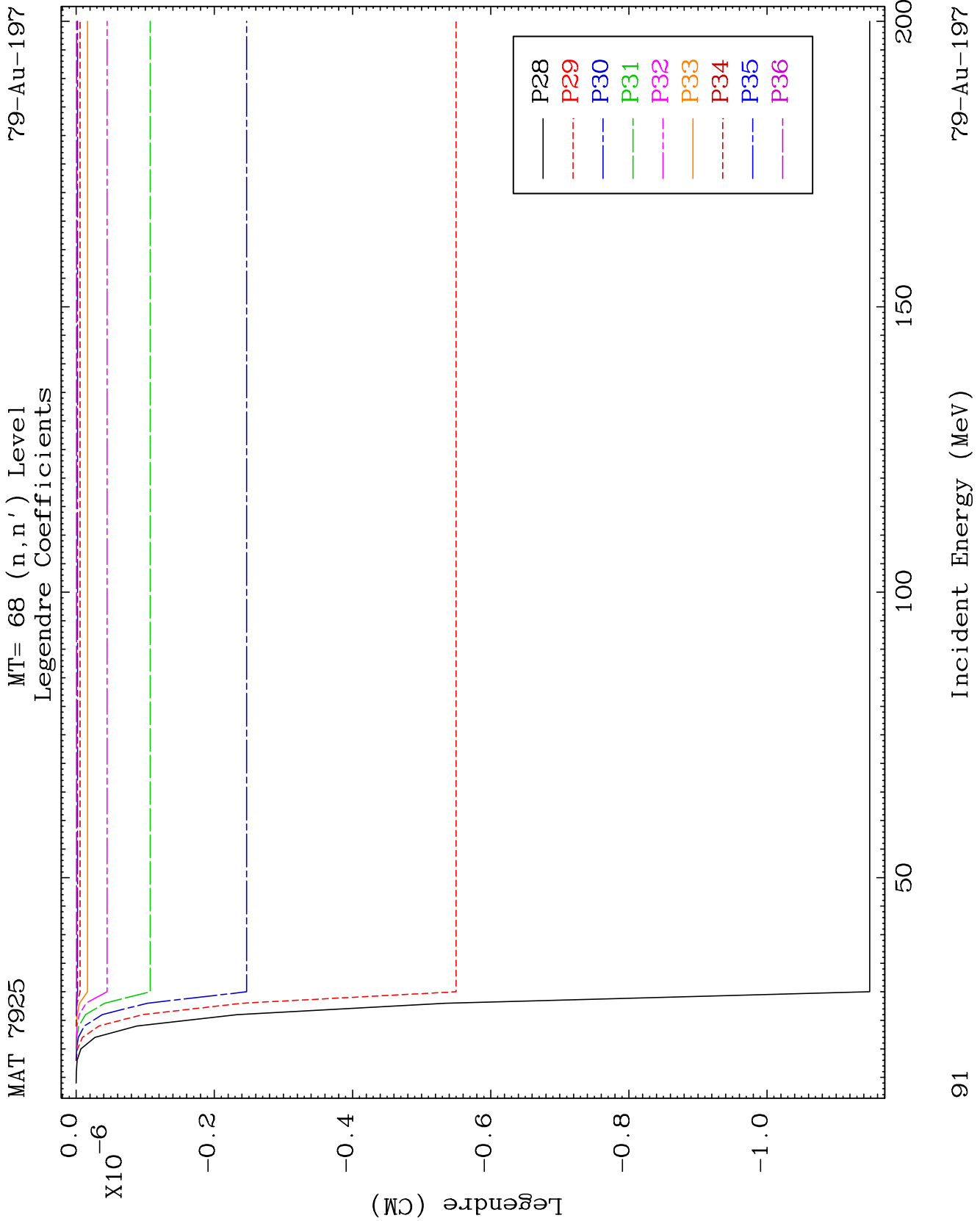
79-Au-197



90

Incident Energy (MeV)

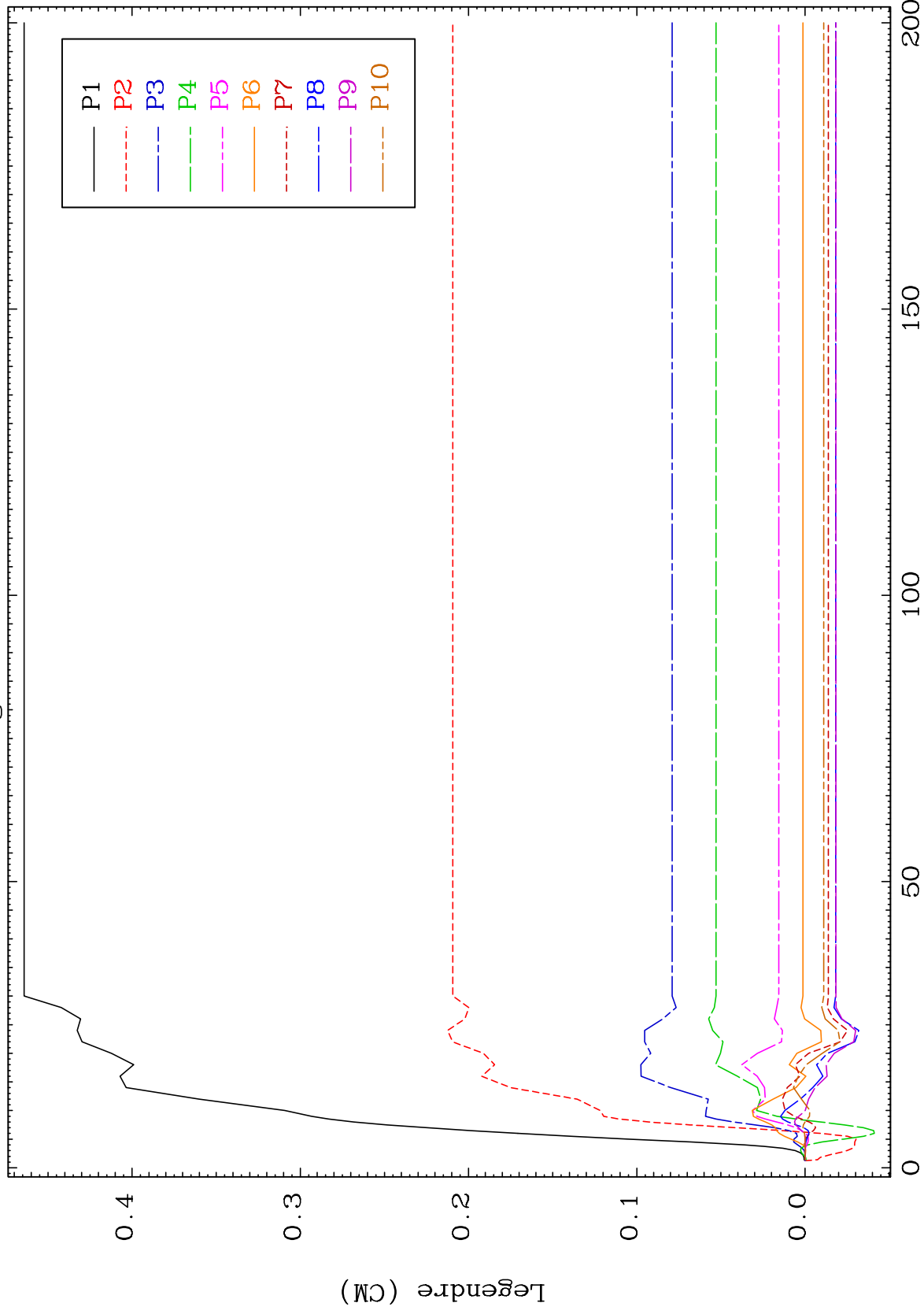
79-Au-197



MAT 7925

MT= 69 (n,n') Level
Legendre Coefficients

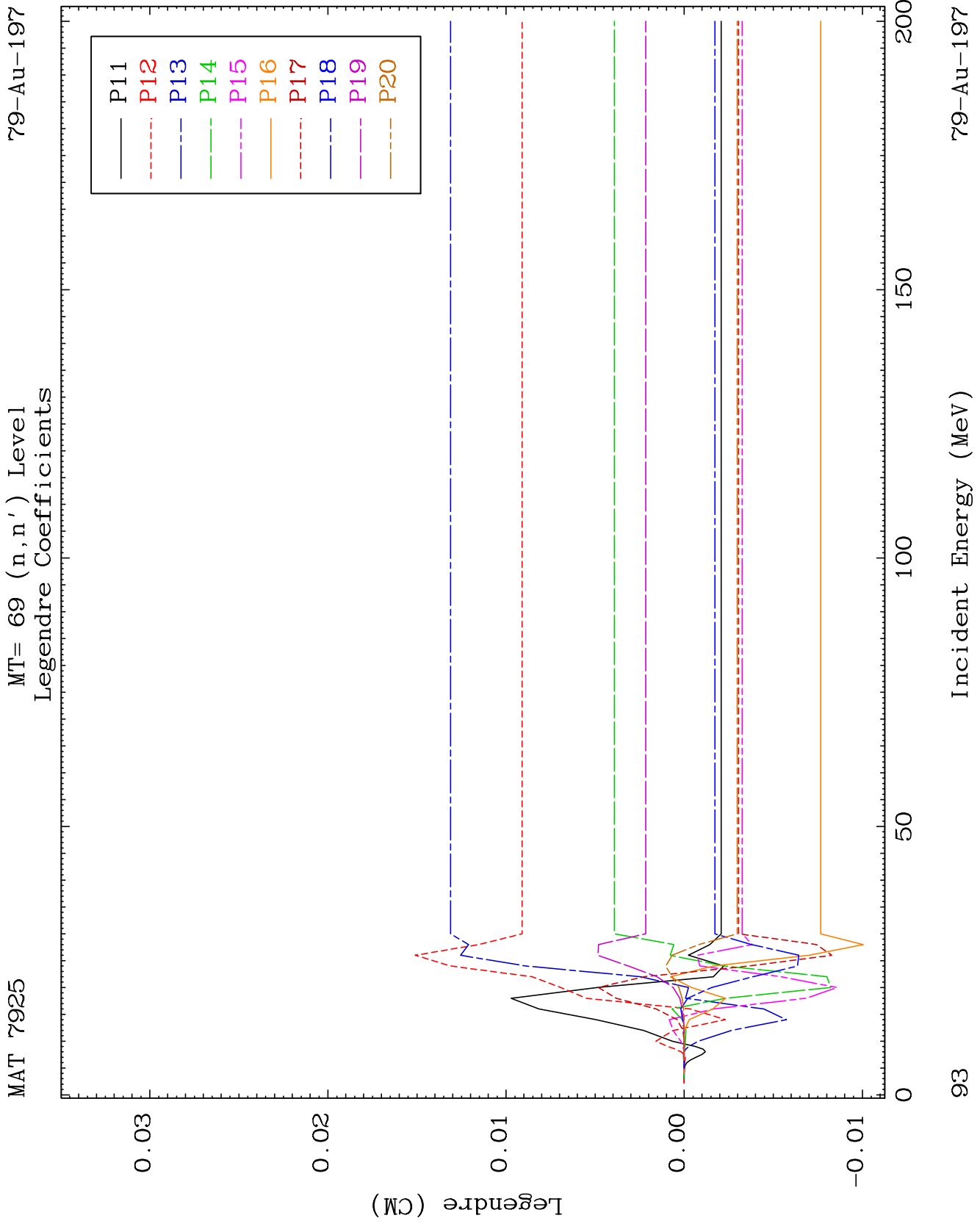
79-Au-197

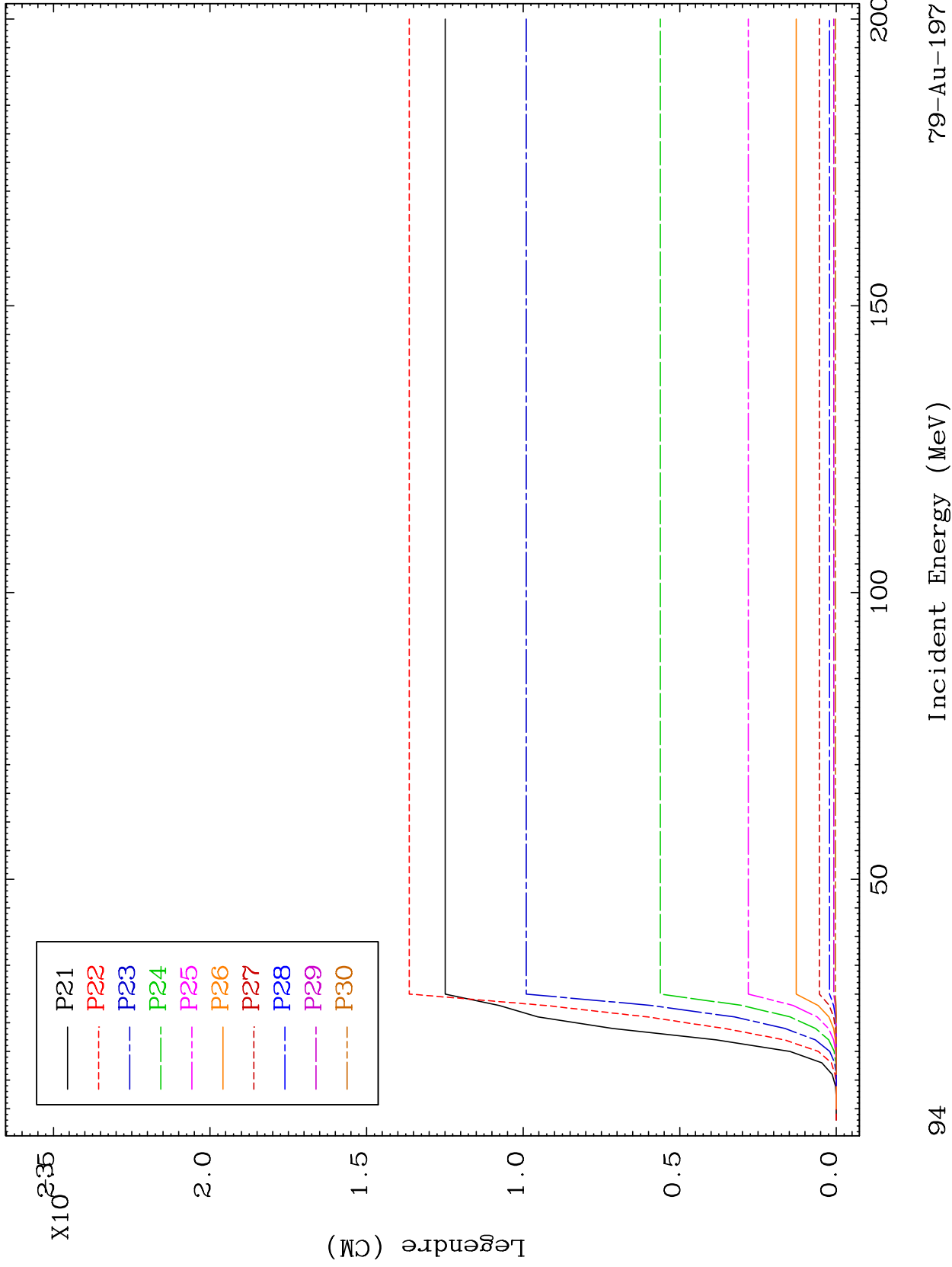


92

Incident Energy (MeV)

79-Au-197

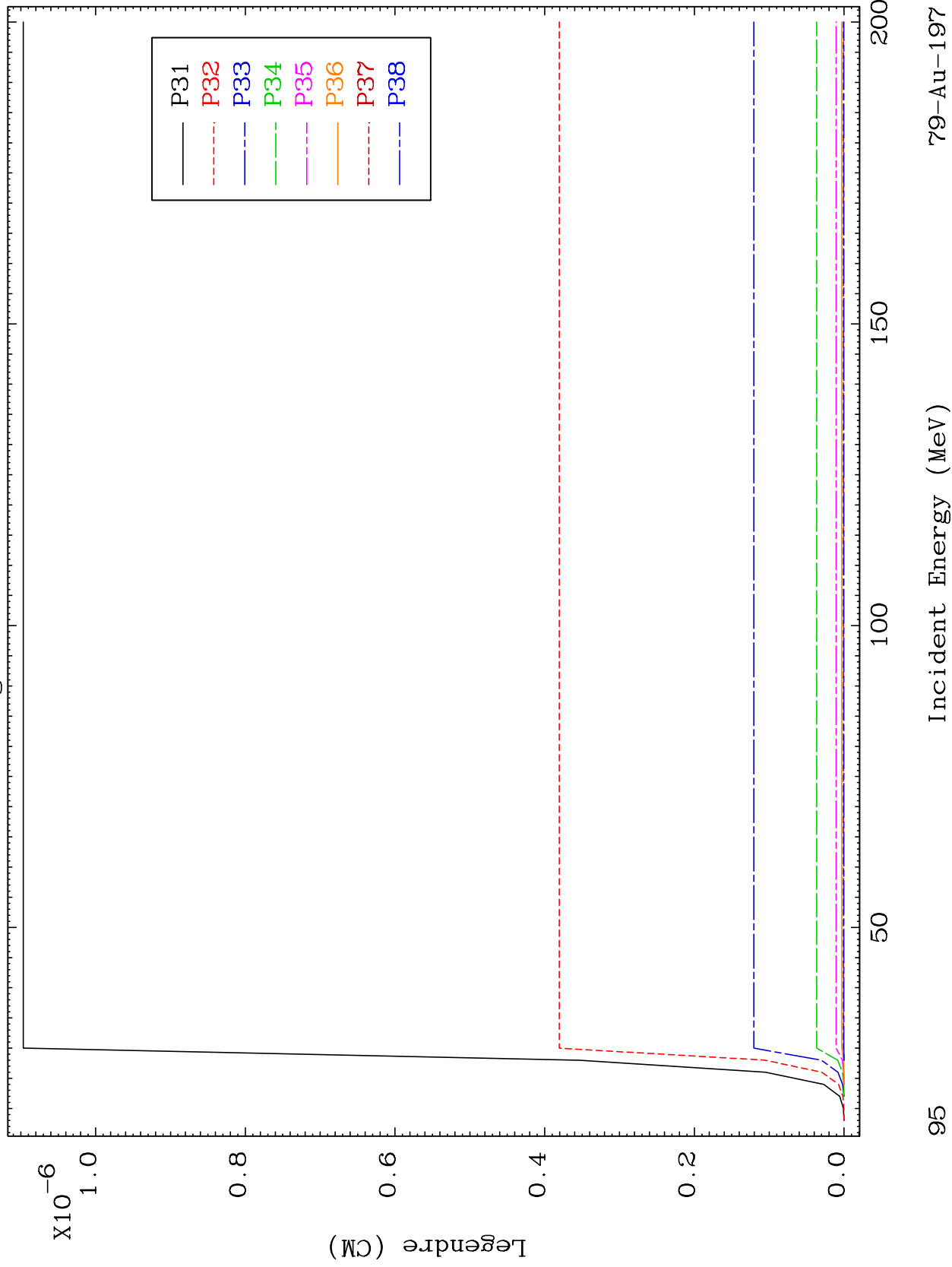




MAT 7925

MT= 69 (n,n') Level
Legendre Coefficients

79-Au-197



95

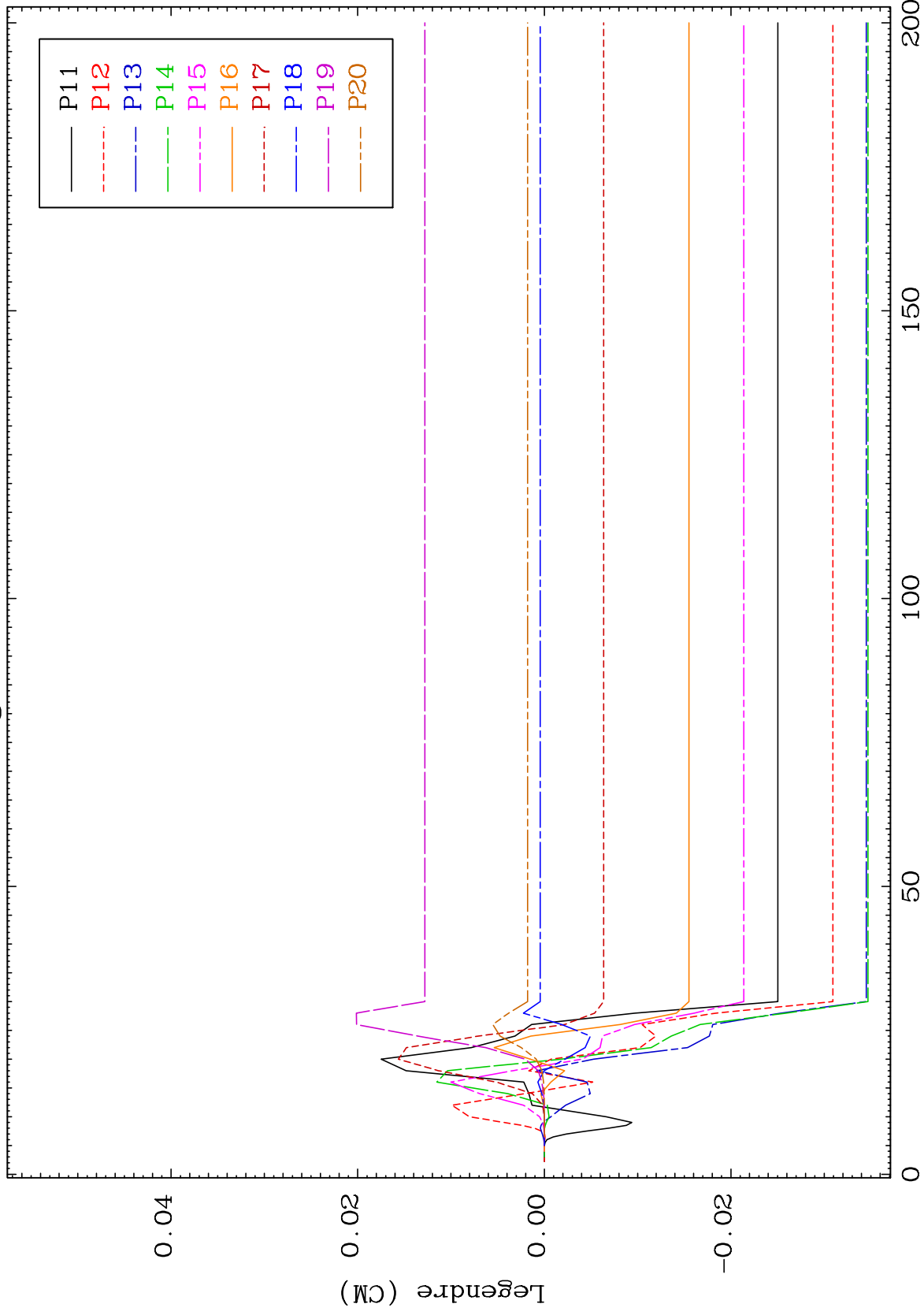
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 70 (n,n') Level
Legendre Coefficients

79-Au-197



97

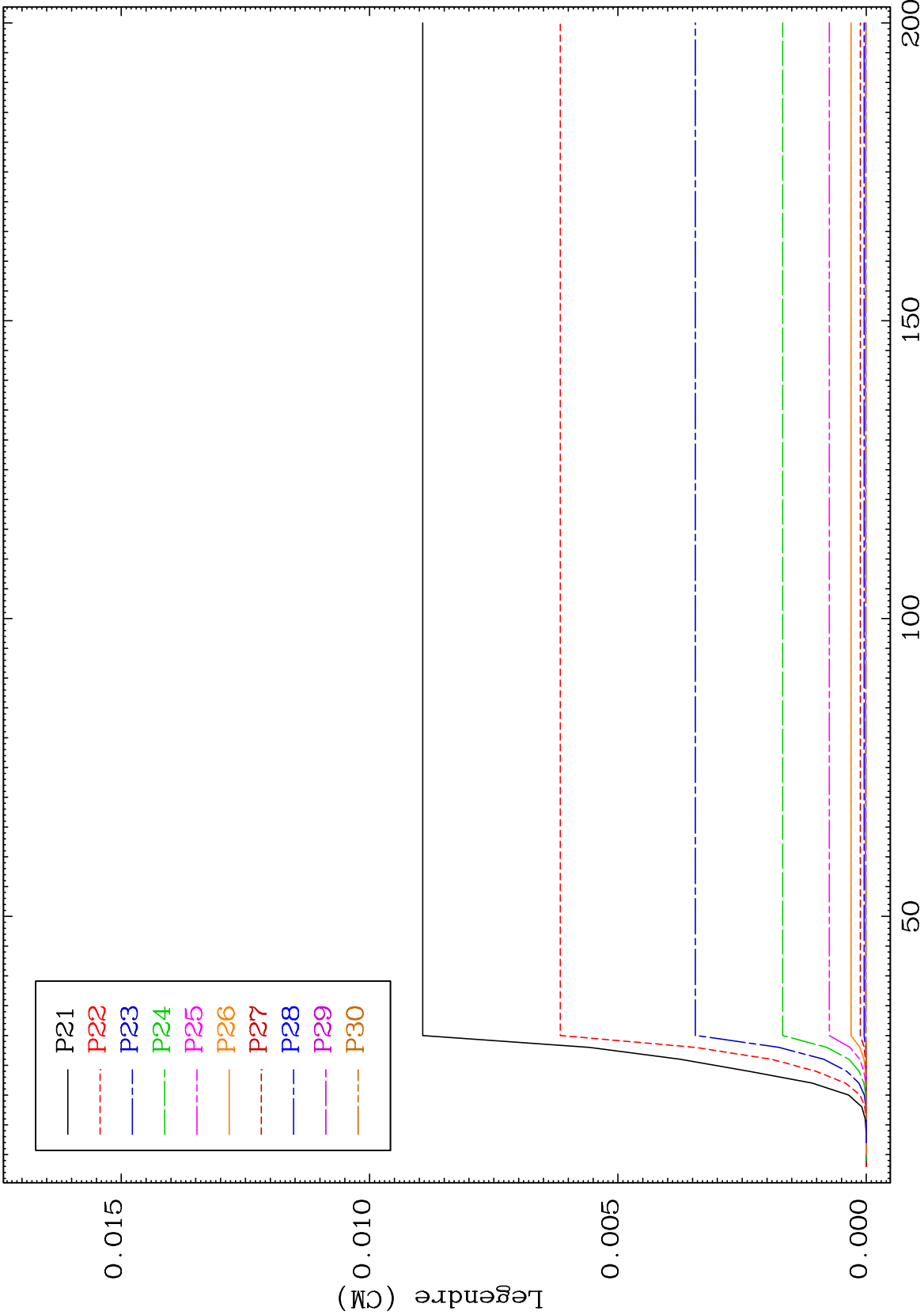
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 70 (n,n') Level
Legendre Coefficients

79-Au-197



98

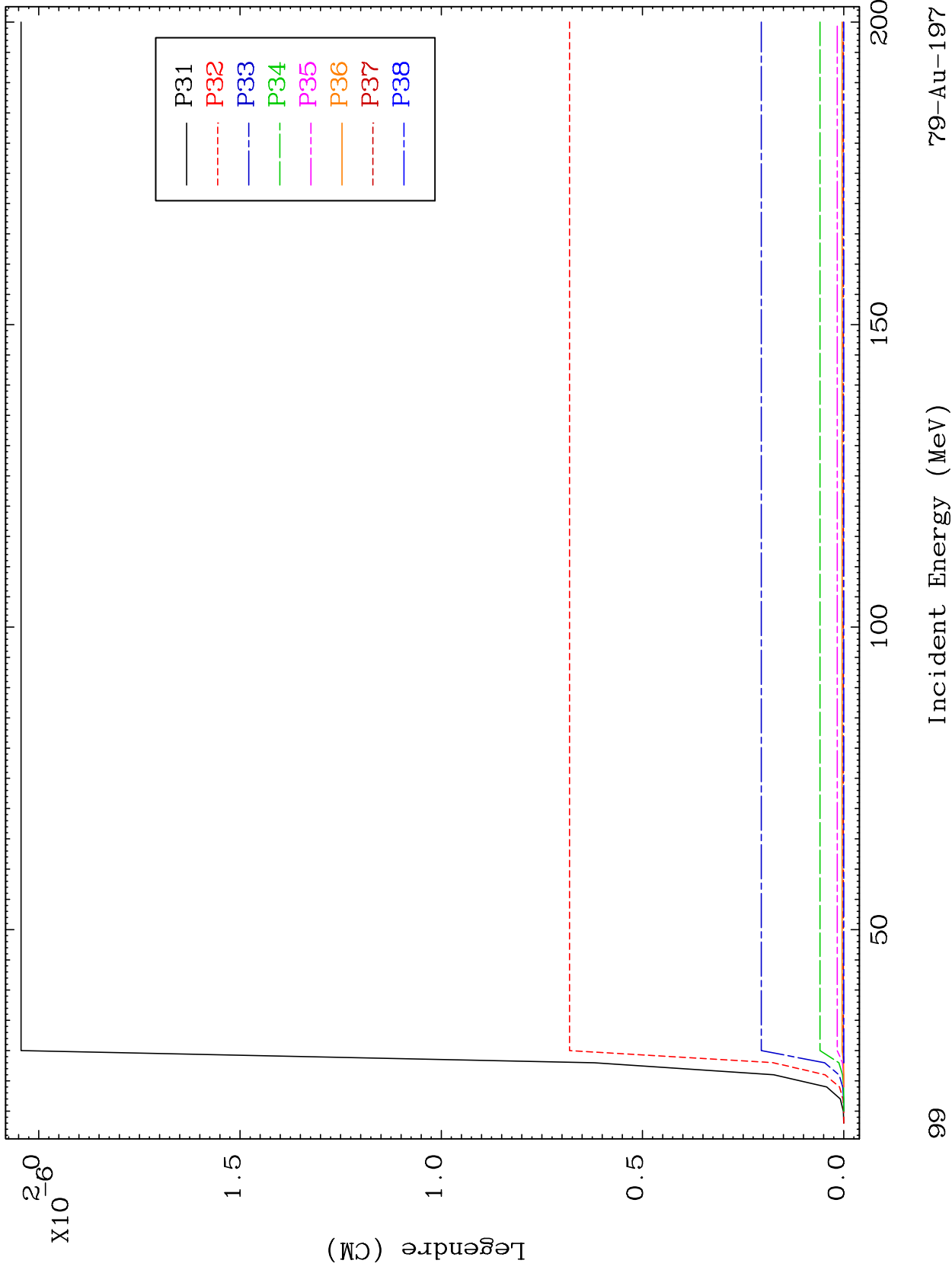
Incident Energy (MeV)

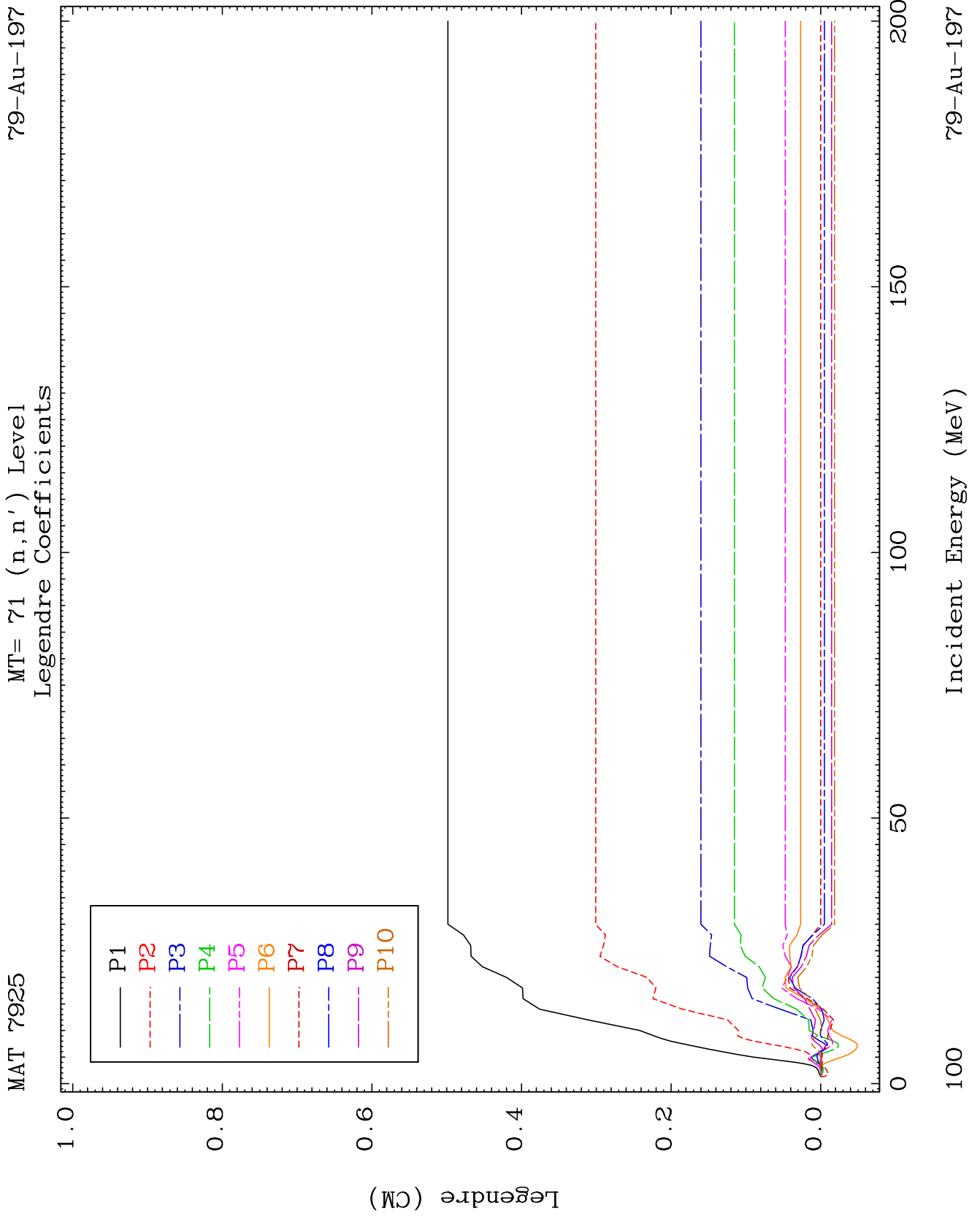
79-Au-197

MAT 7925

MT= 70 (n,n') Level
Legendre Coefficients

79-Au-197

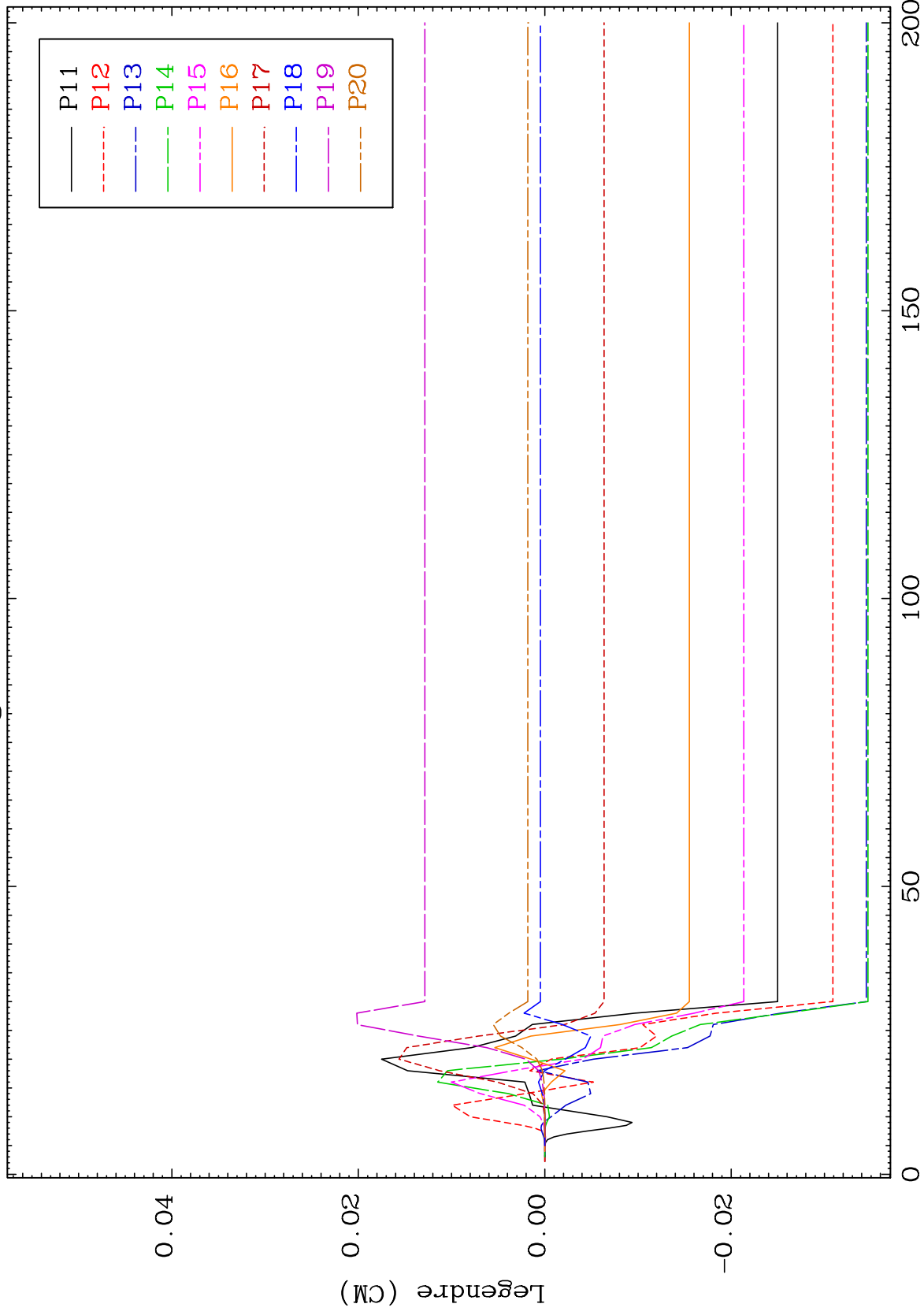




MAT 7925

MT= 71 (n,n') Level
Legendre Coefficients

79-Au-197



101

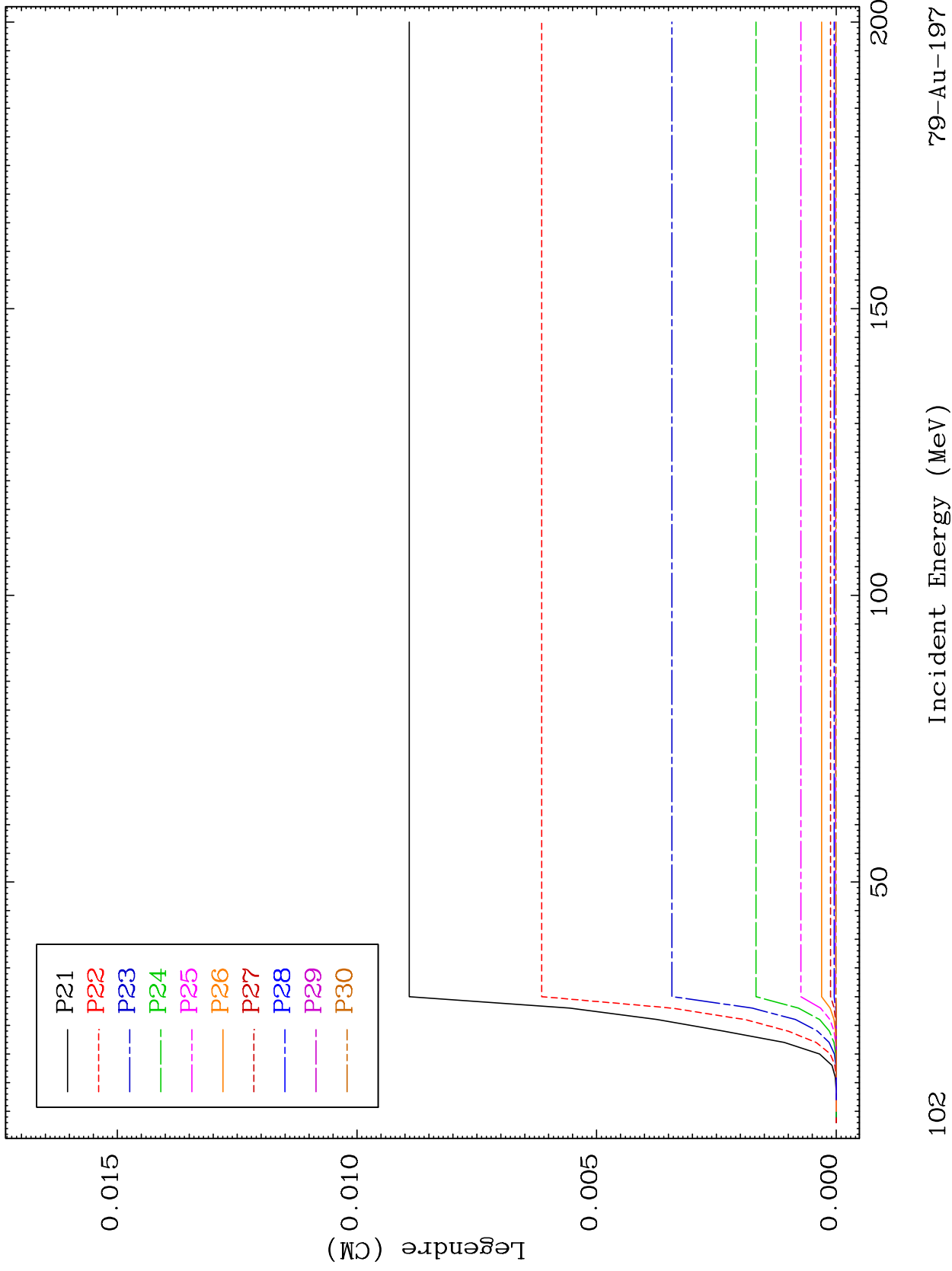
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 71 (n,n') Level
Legendre Coefficients

79-Au-197



102

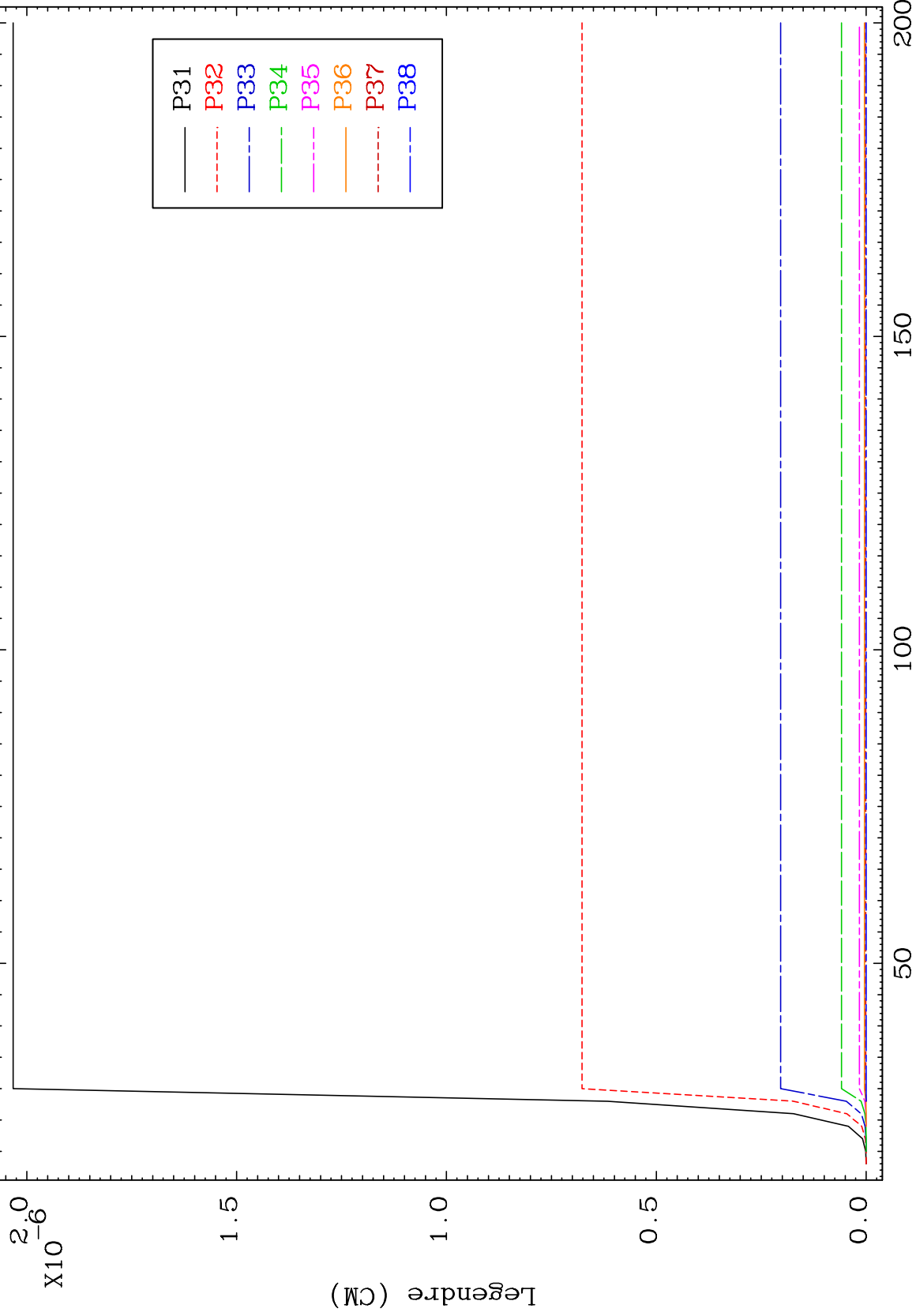
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 71 (n,n') Level
Legendre Coefficients

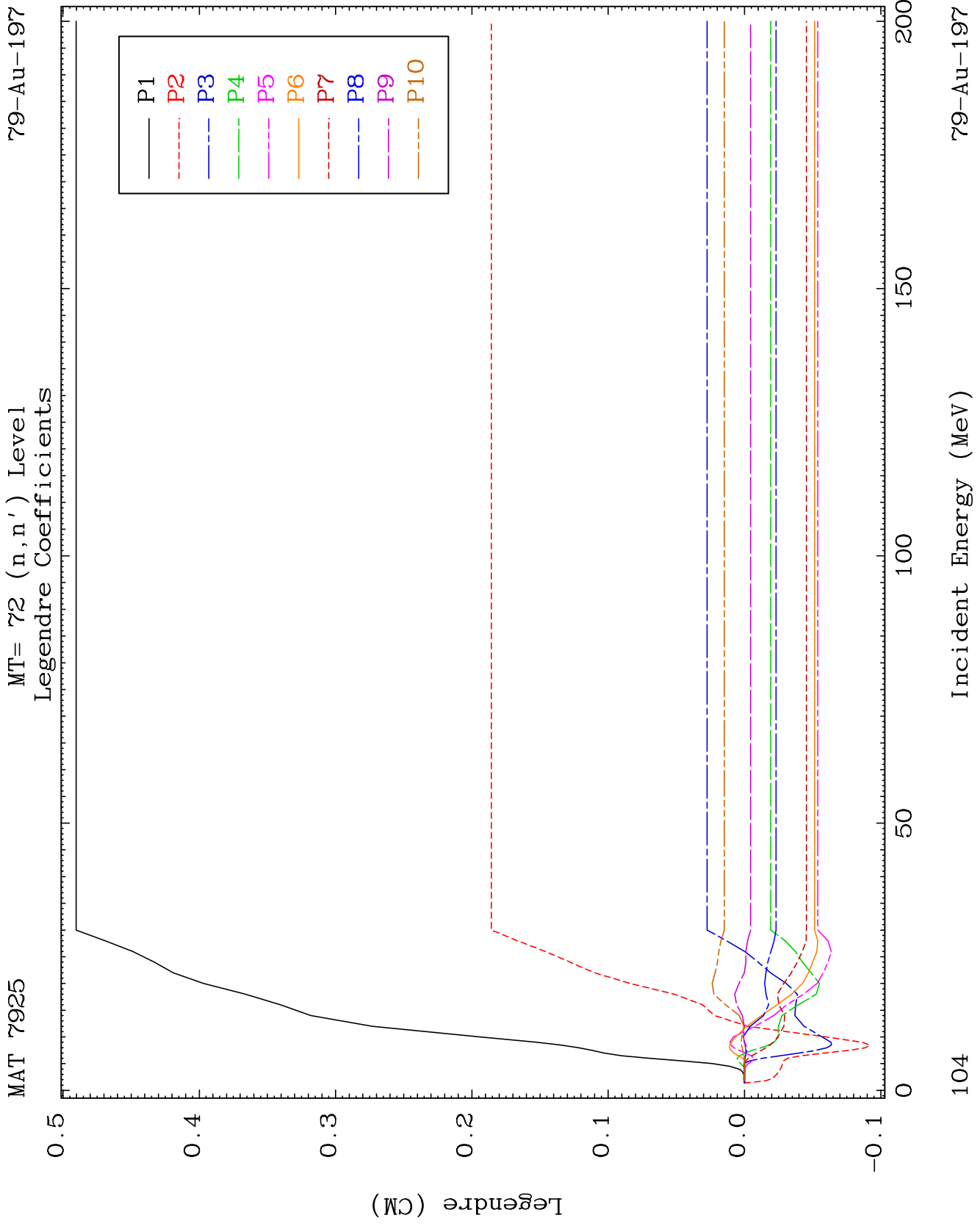
79-Au-197



103

Incident Energy (MeV)

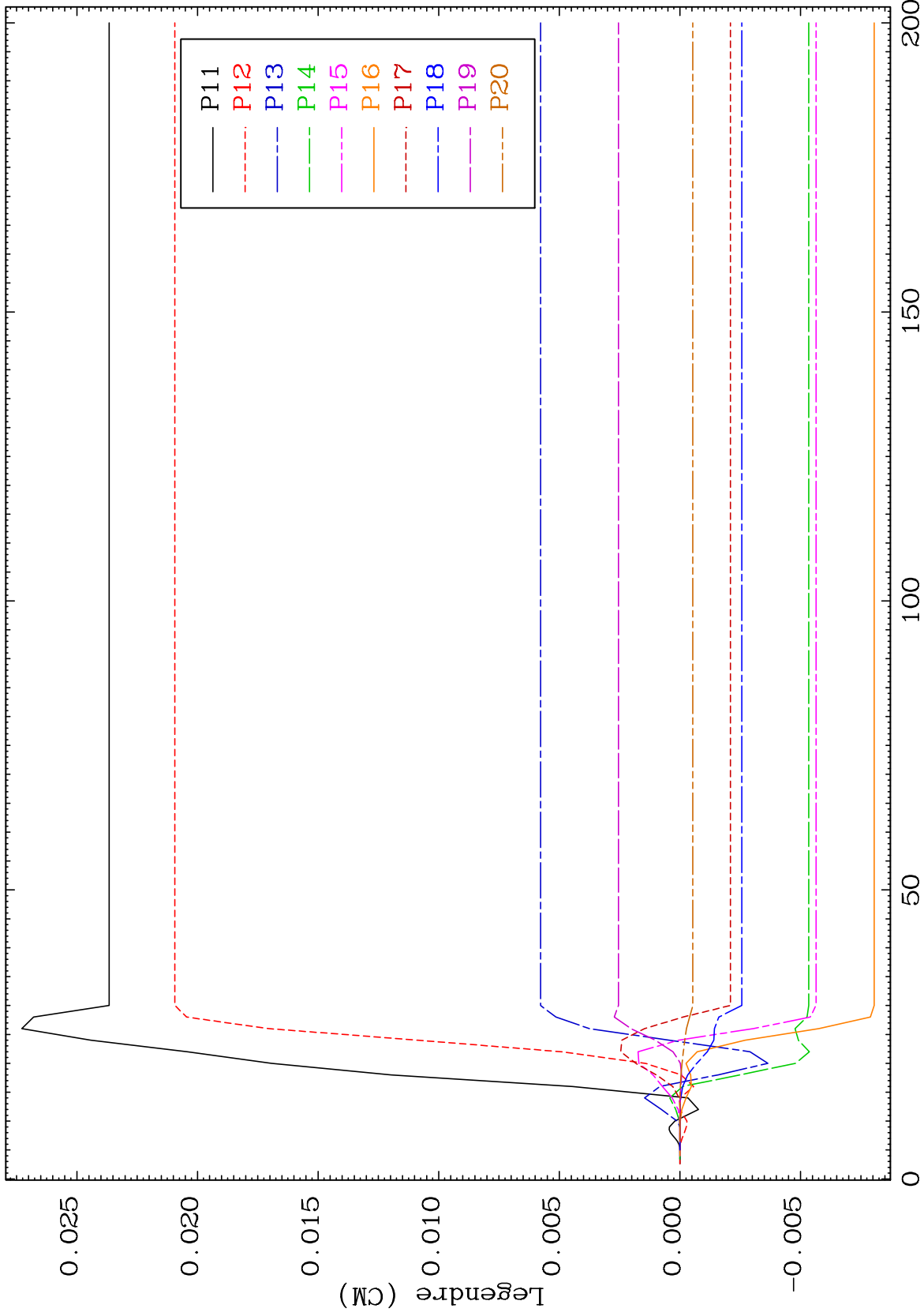
79-Au-197



MAT 7925

MT= 72 (n,n') Level
Legendre Coefficients

79-Au-197



105

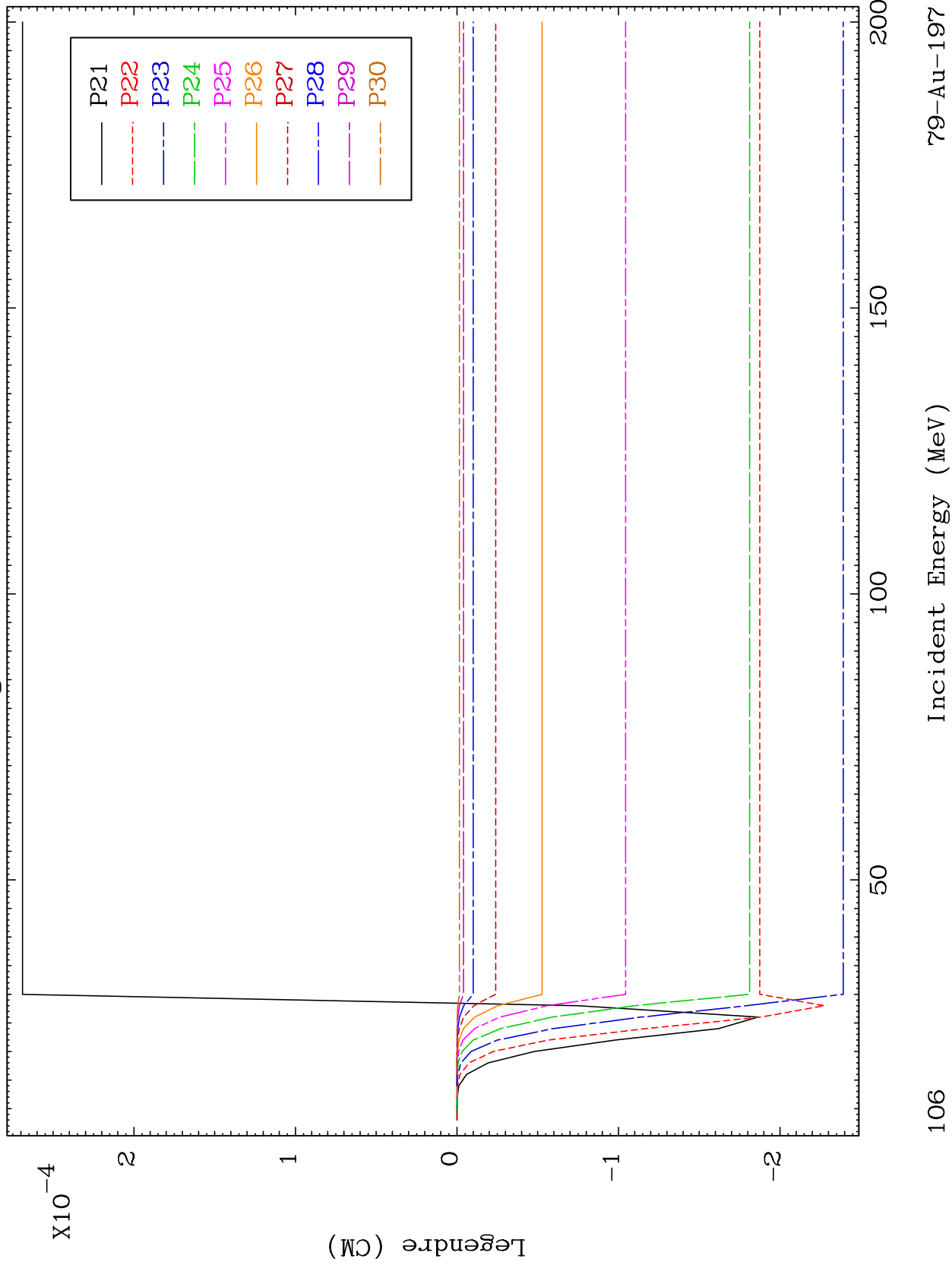
Incident Energy (MeV)

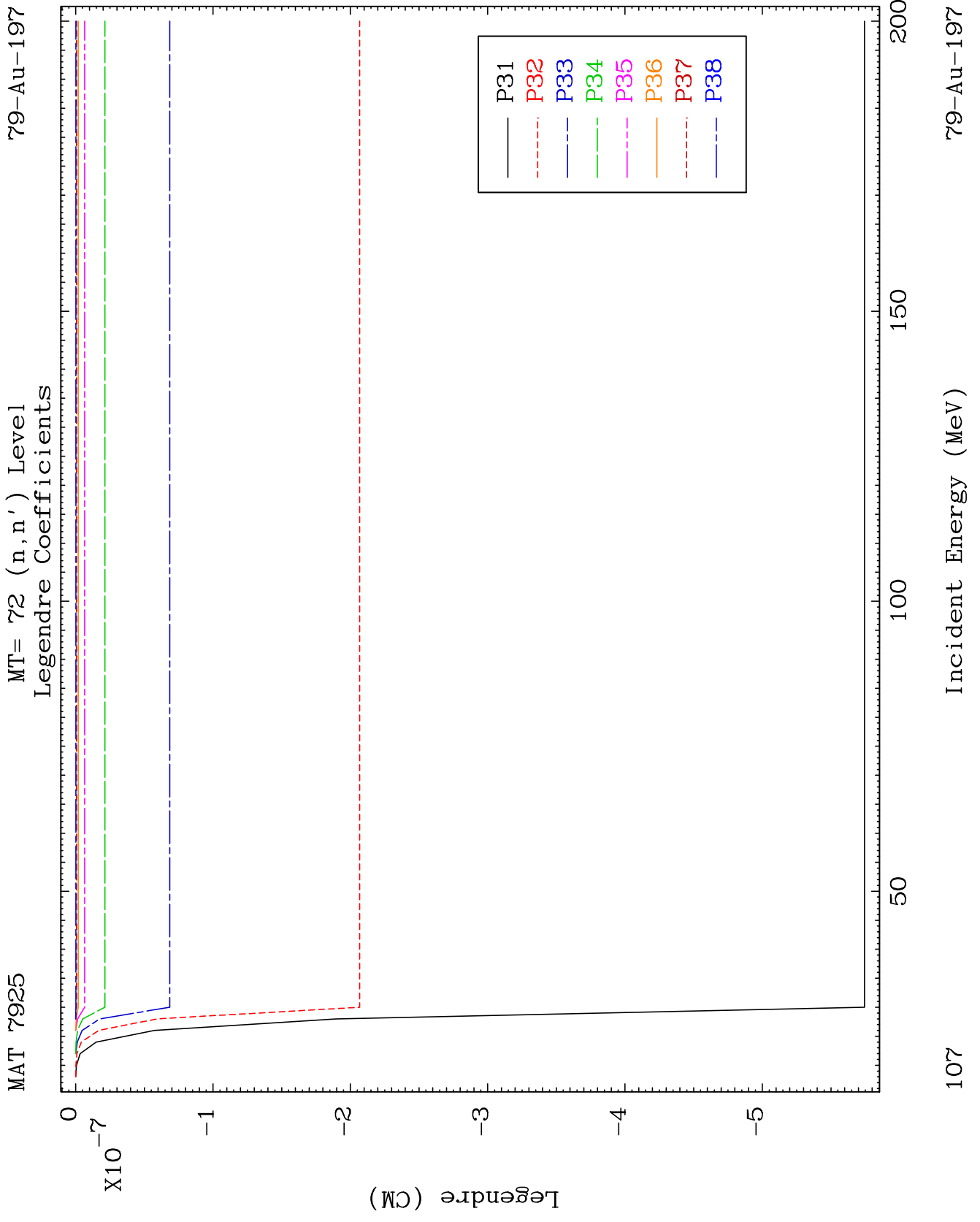
79-Au-197

MAT 7925

MT= 72 (n,n') Level
Legendre Coefficients

79-Au-197

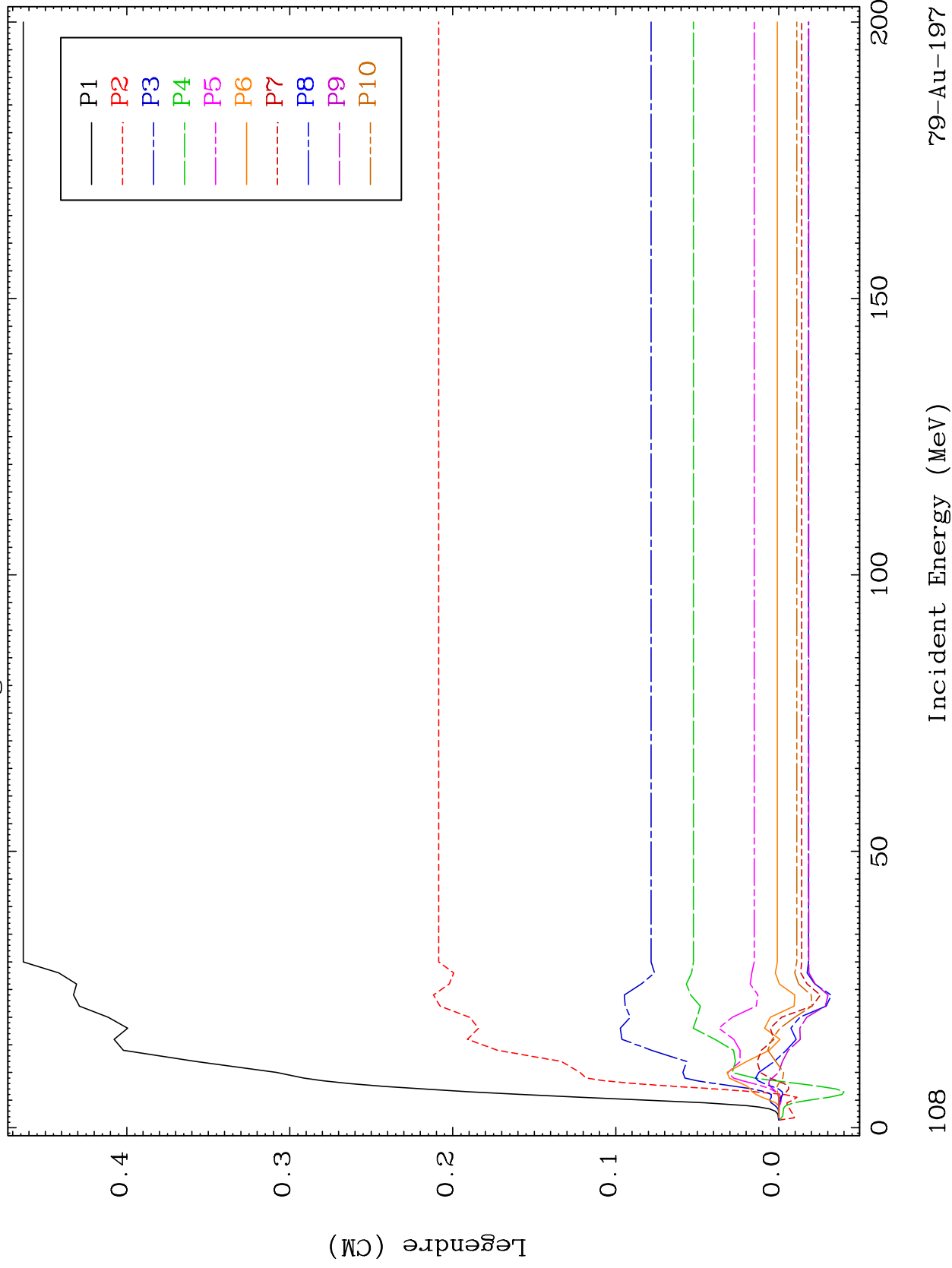




MAT 7925

MT= 73 (n,n') Level
Legendre Coefficients

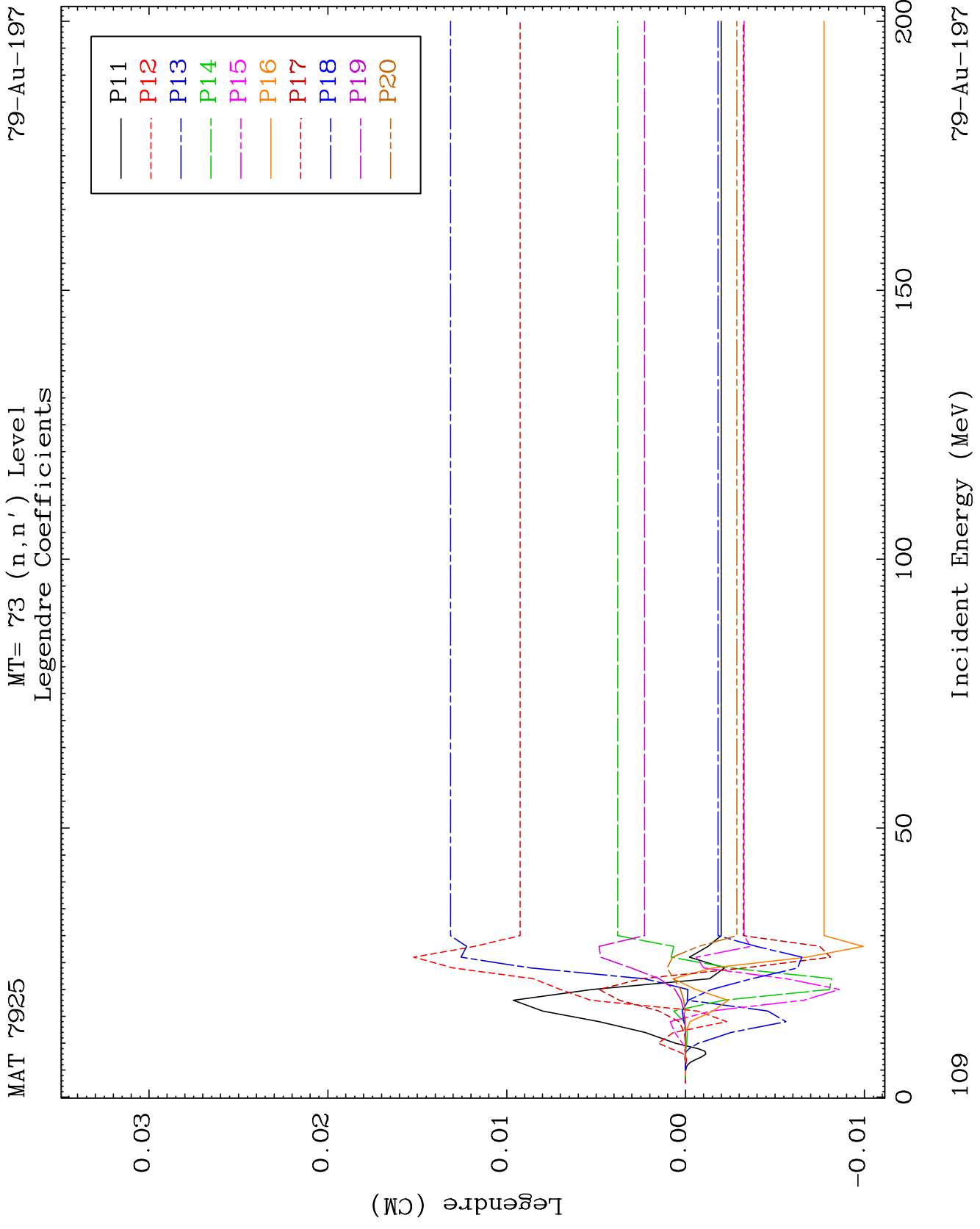
79-Au-197



79-Au-197

Incident Energy (MeV)

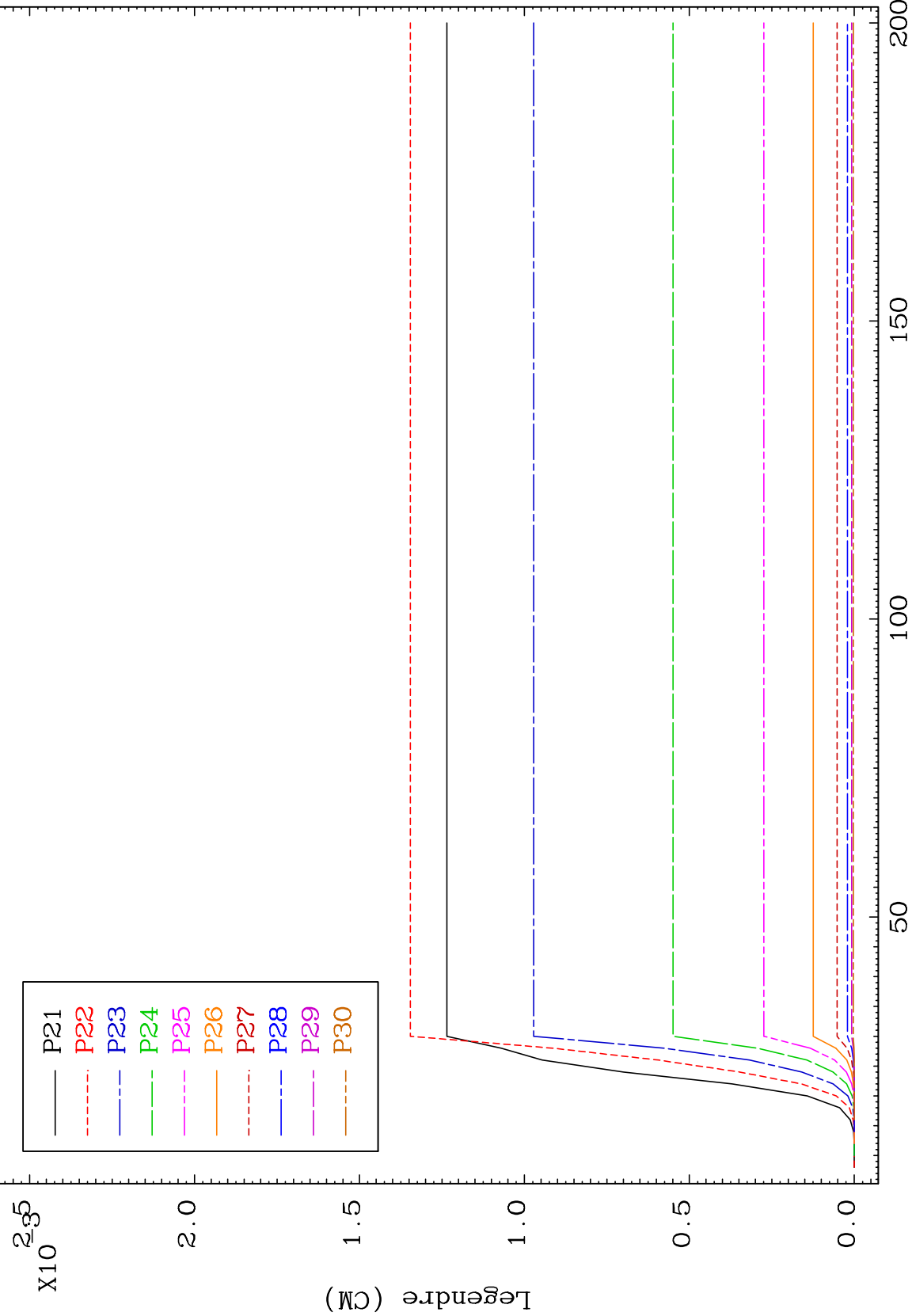
108



MAT 7925

MT= 73 (n,n') Level
Legendre Coefficients

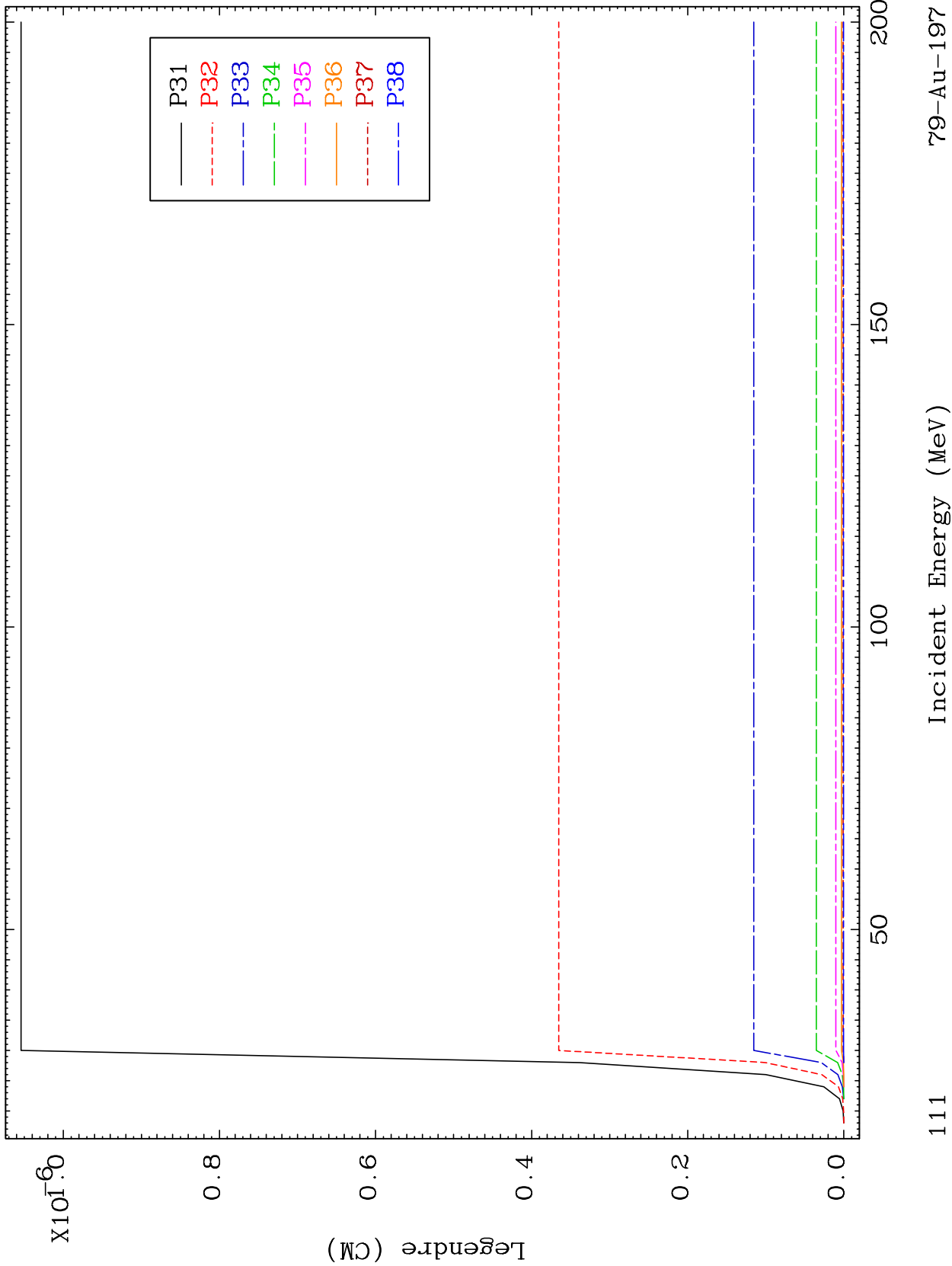
79-Au-197



110

Incident Energy (MeV)

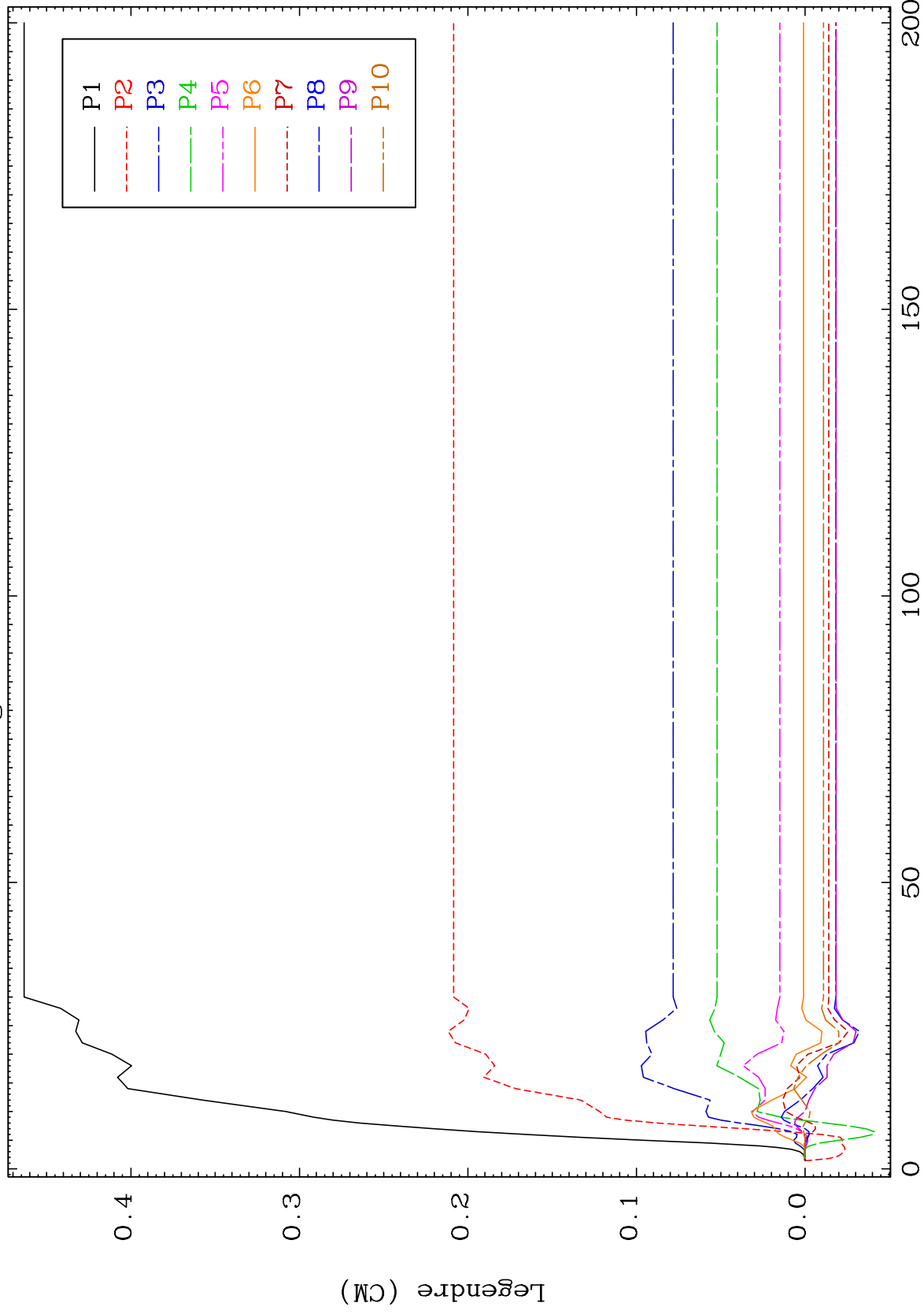
79-Au-197



MAT 7925

MT= 74 (n,n') Level
Legendre Coefficients

79-Au-197



112

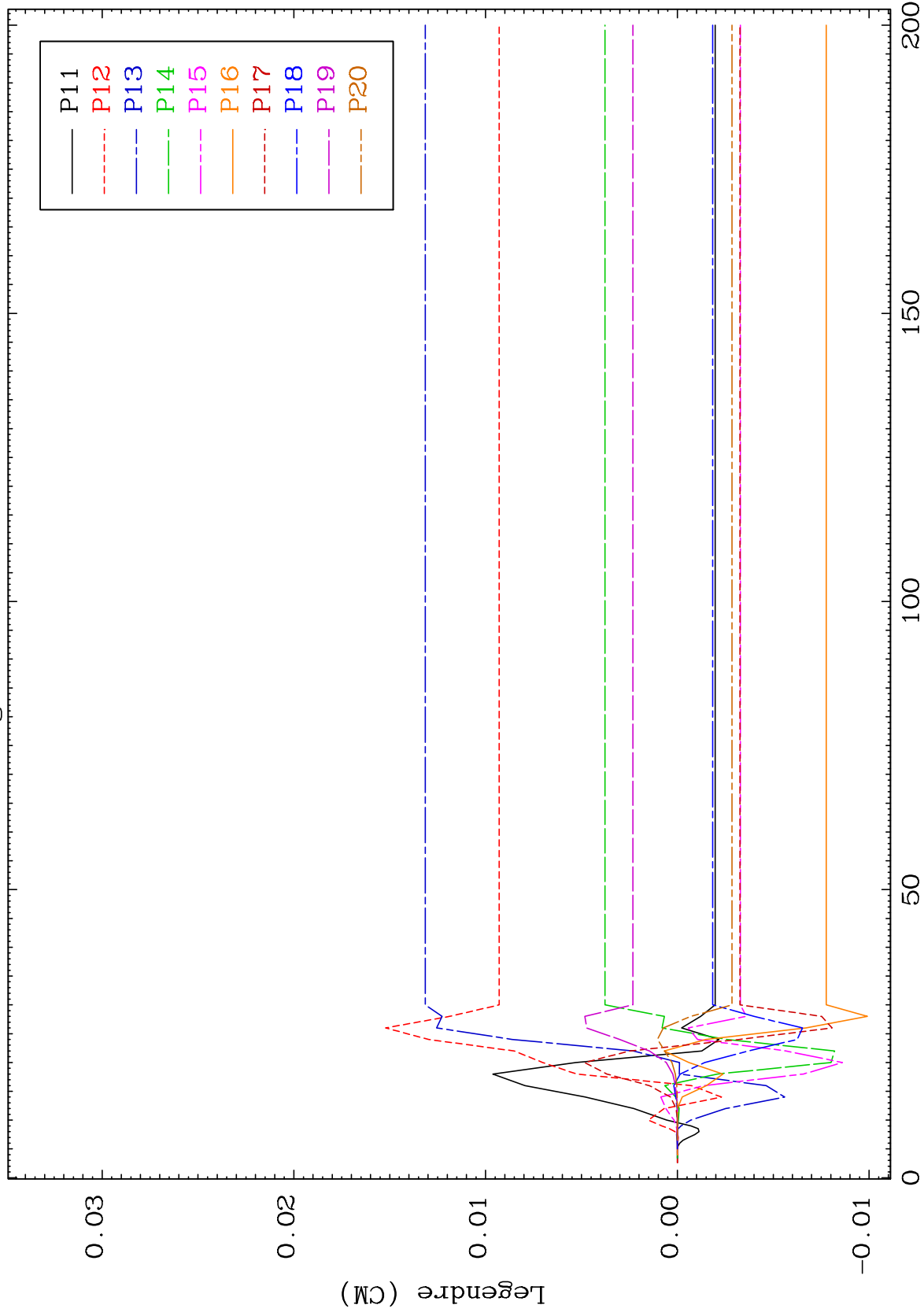
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 74 (n,n') Level
Legendre Coefficients

79-Au-197



113

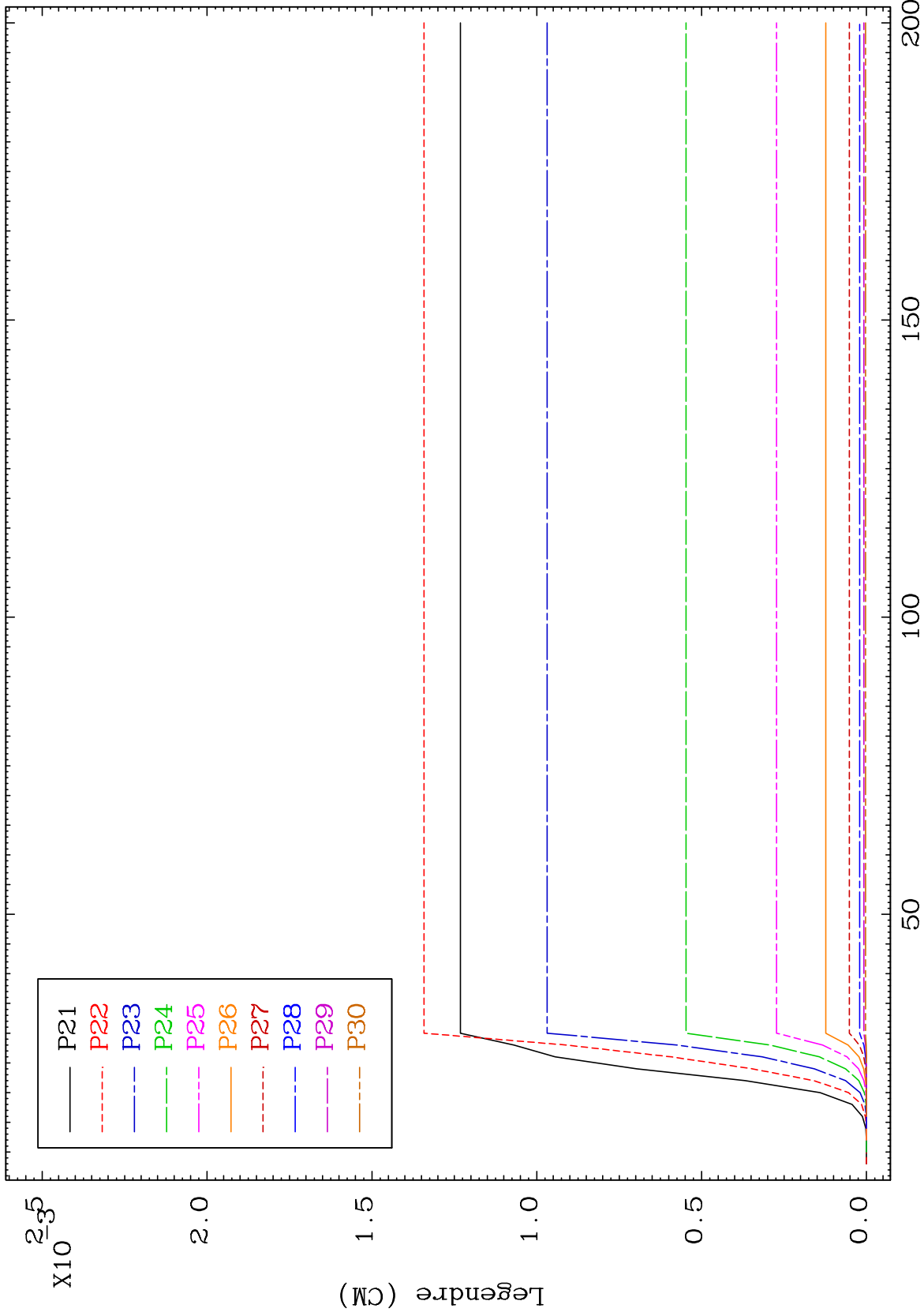
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 74 (n,n') Level
Legendre Coefficients

79-Au-197



114

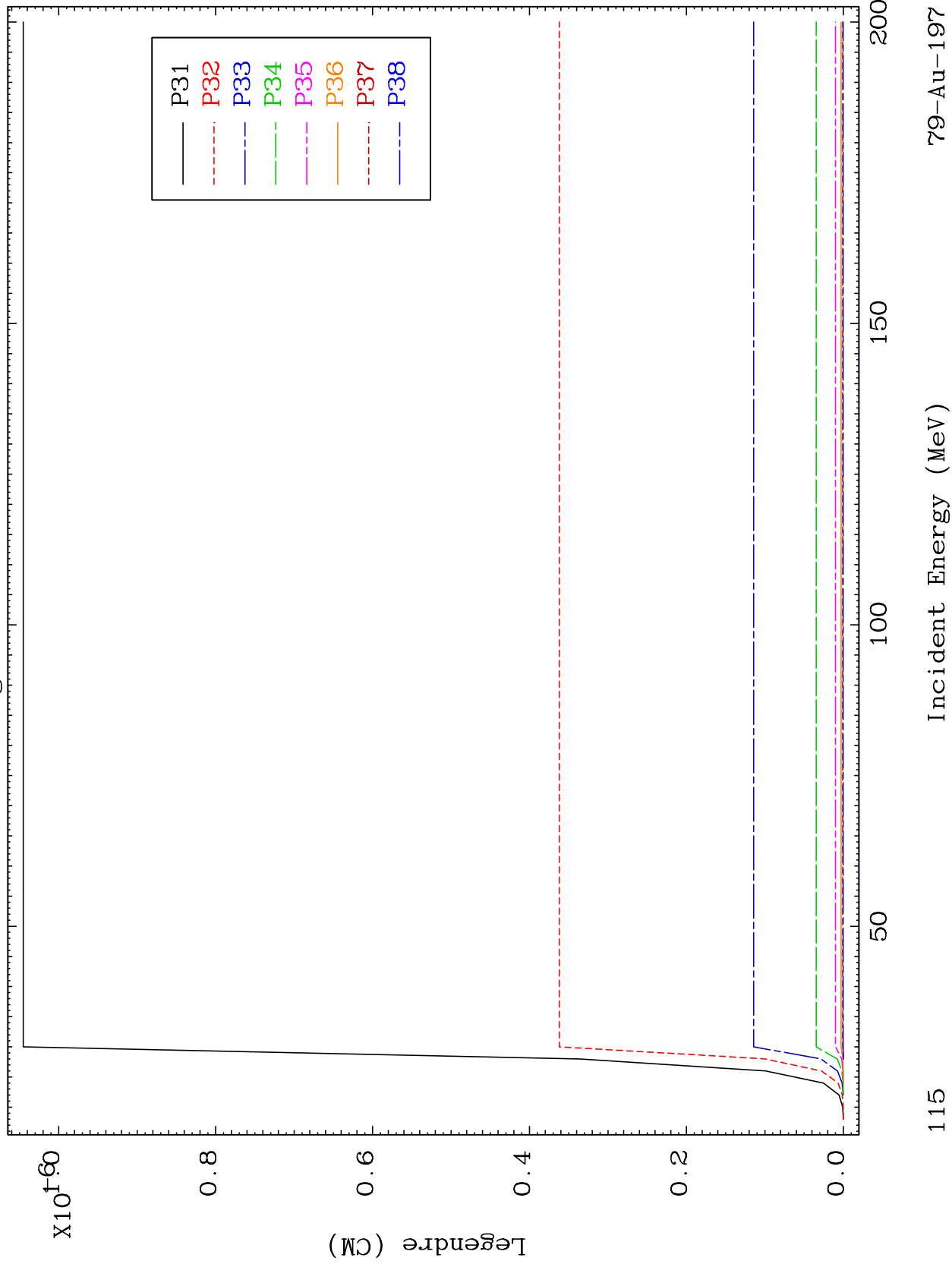
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 74 (n,n') Level
Legendre Coefficients

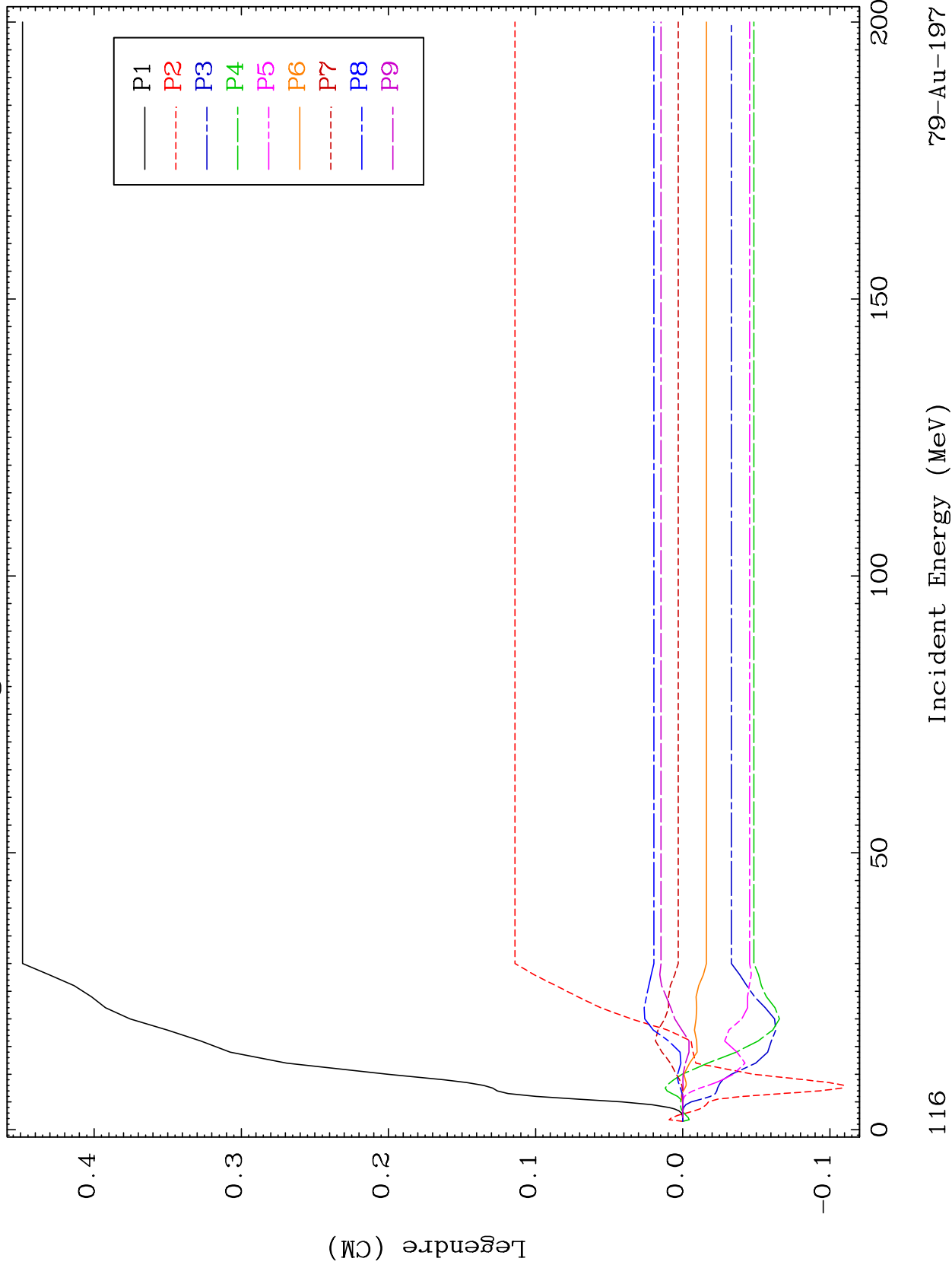
79-Au-197



MAT 7925

MT= 75 (n,n') Level
Legendre Coefficients

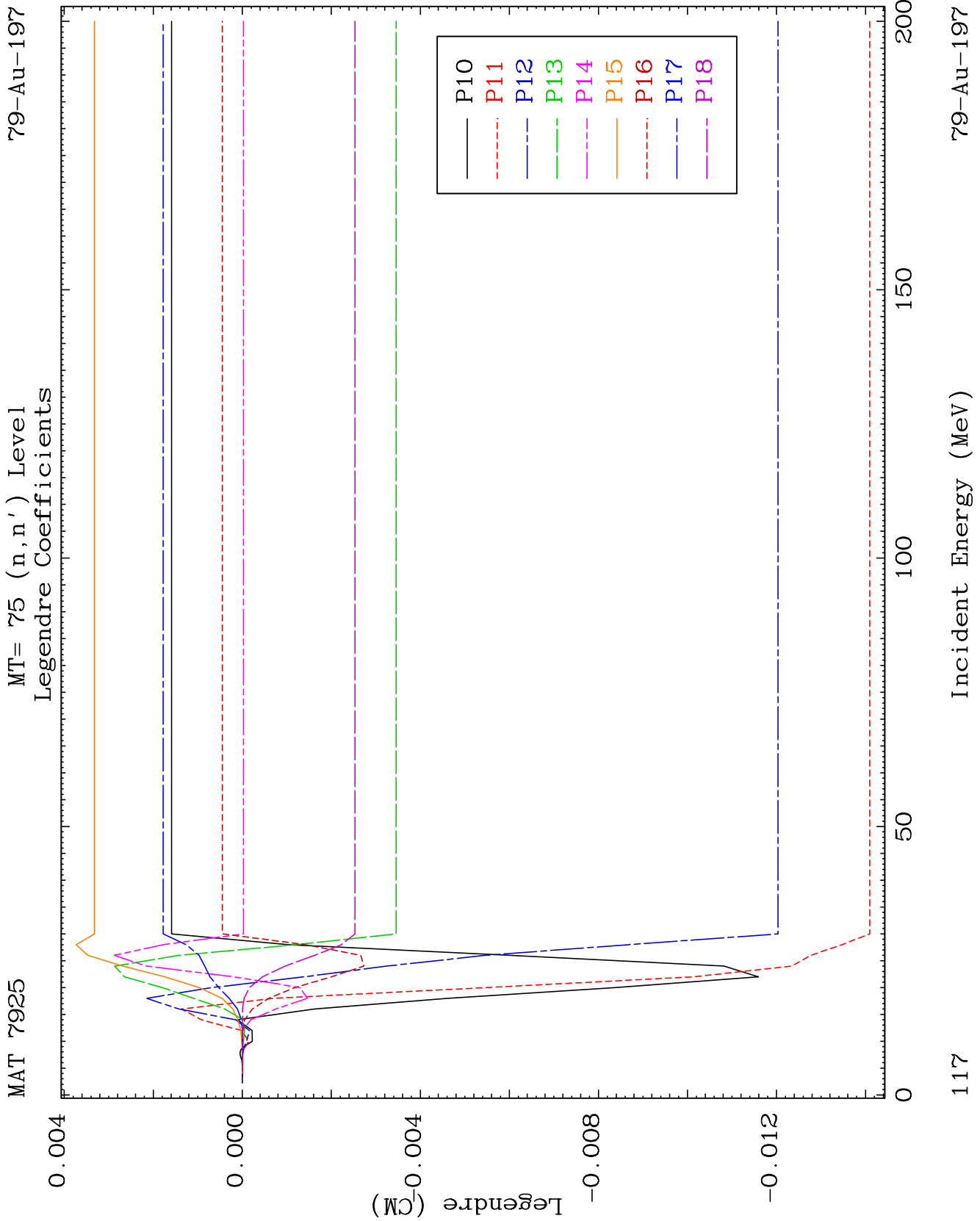
79-Au-197

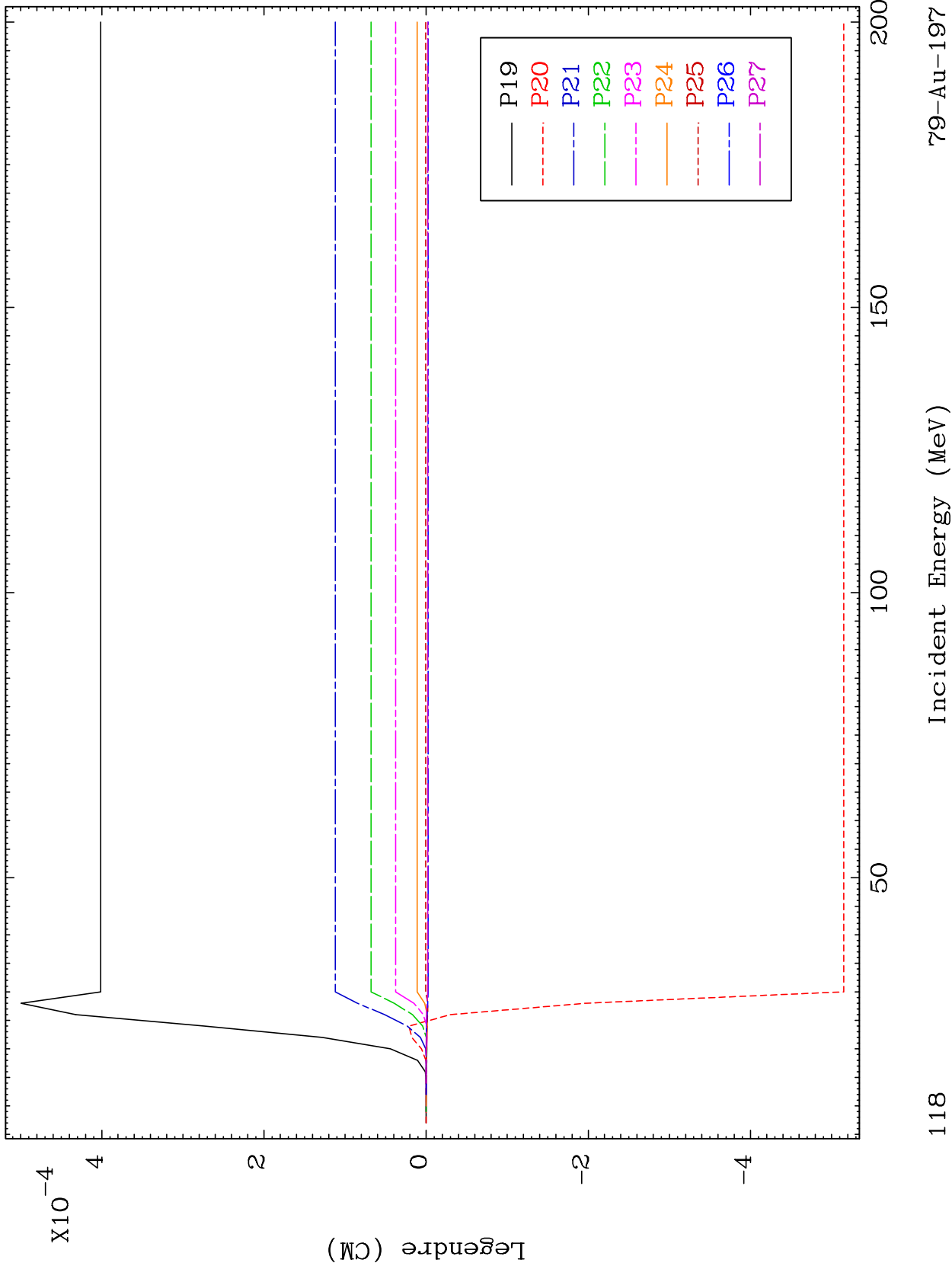


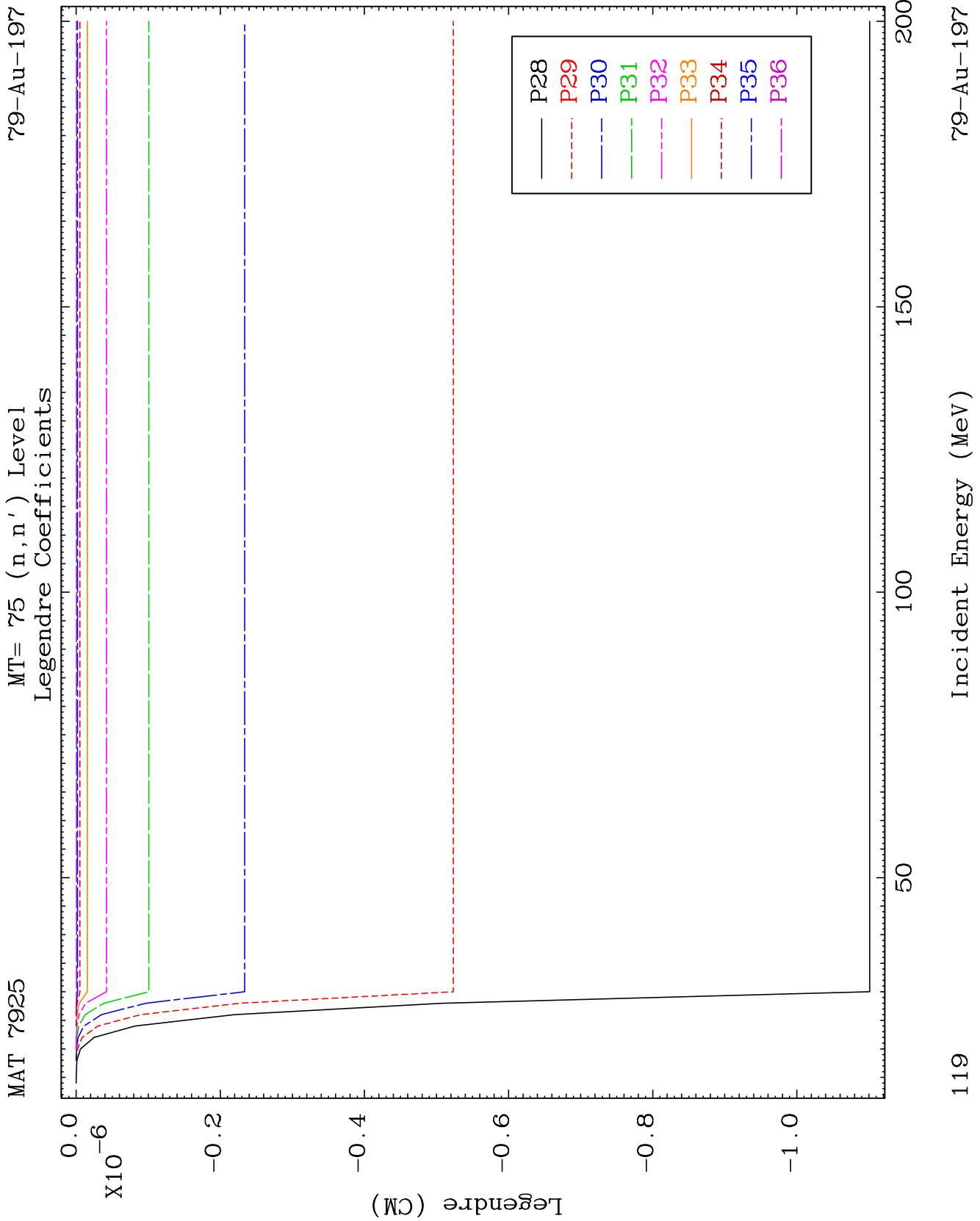
79-Au-197

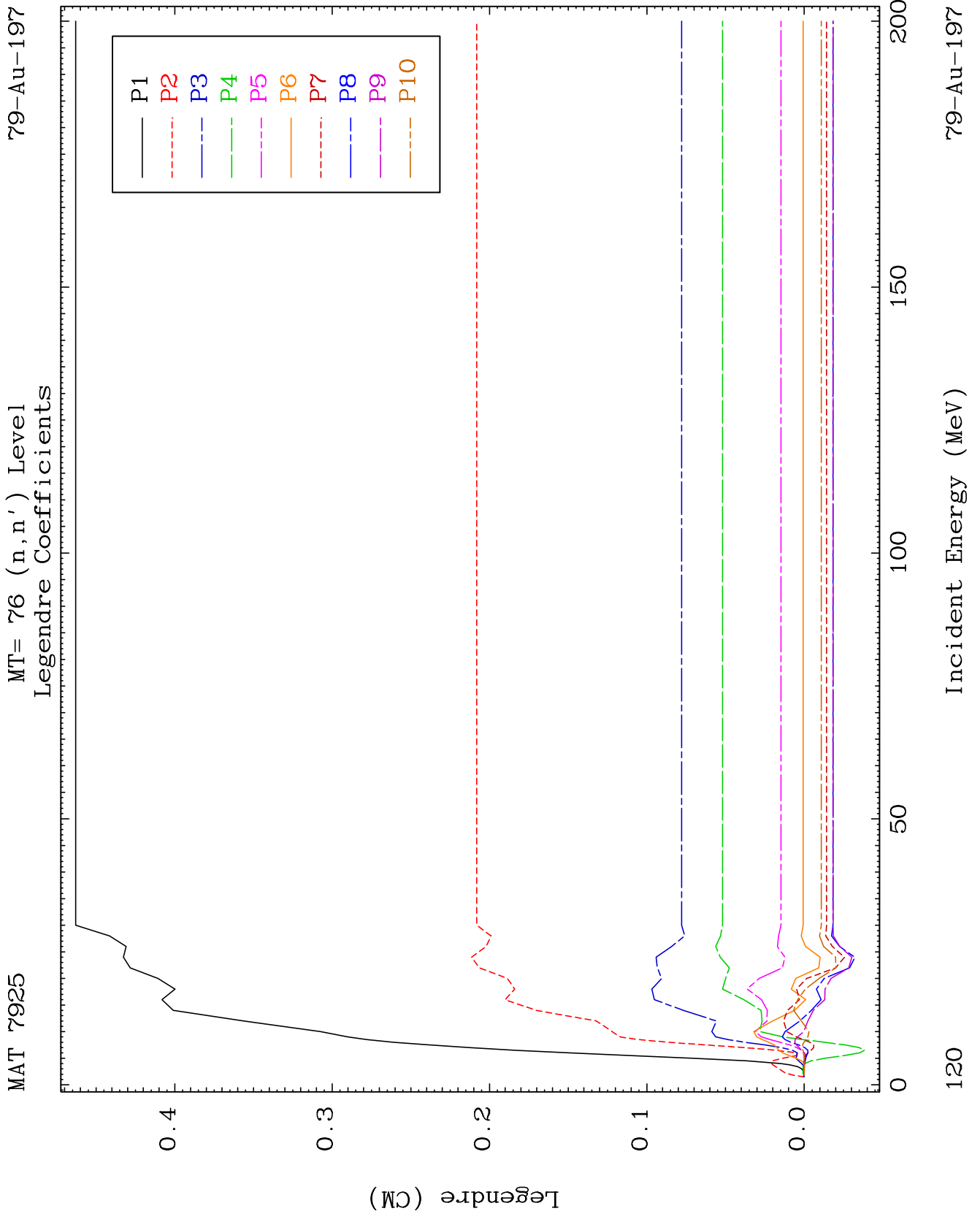
Incident Energy (MeV)

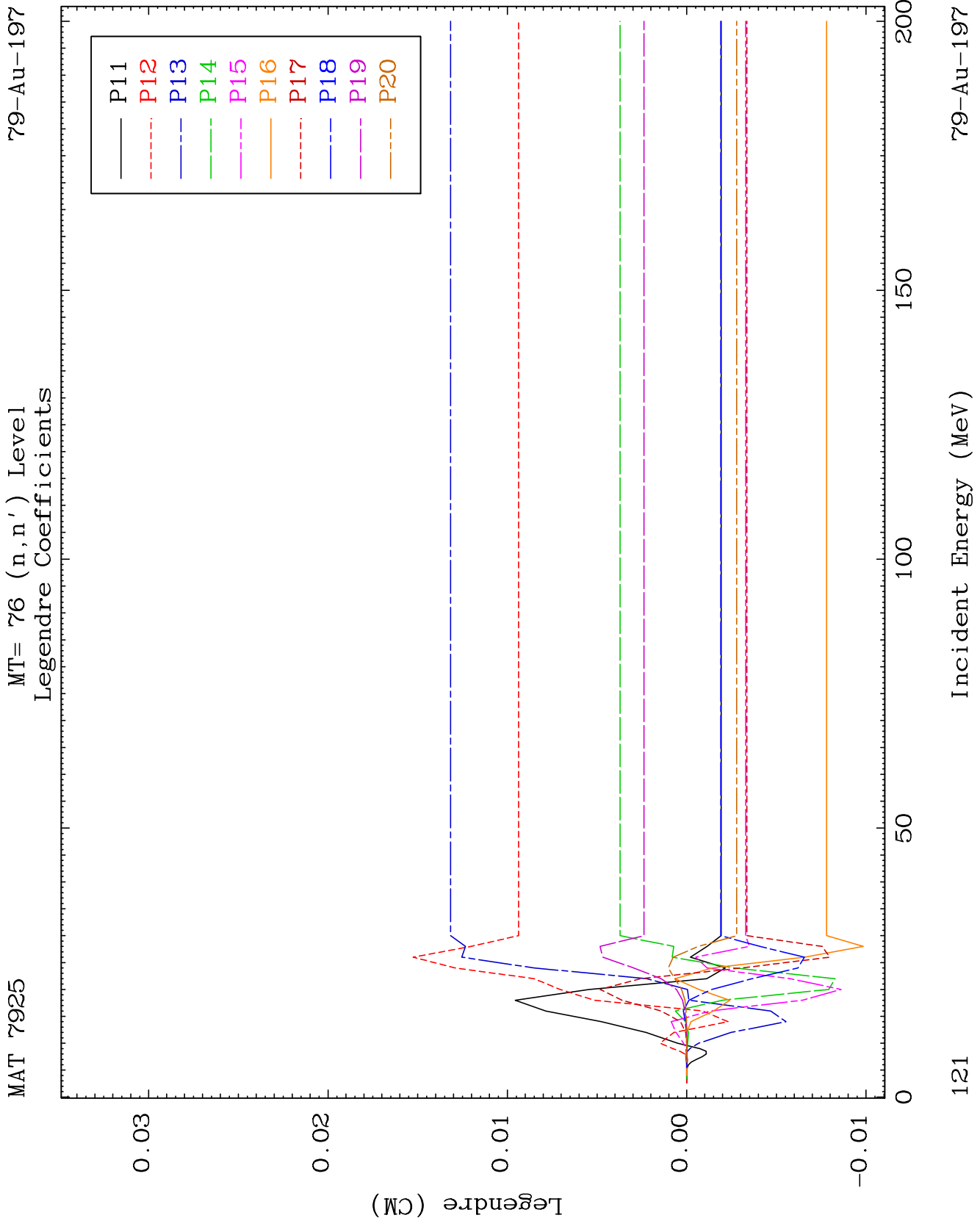
116







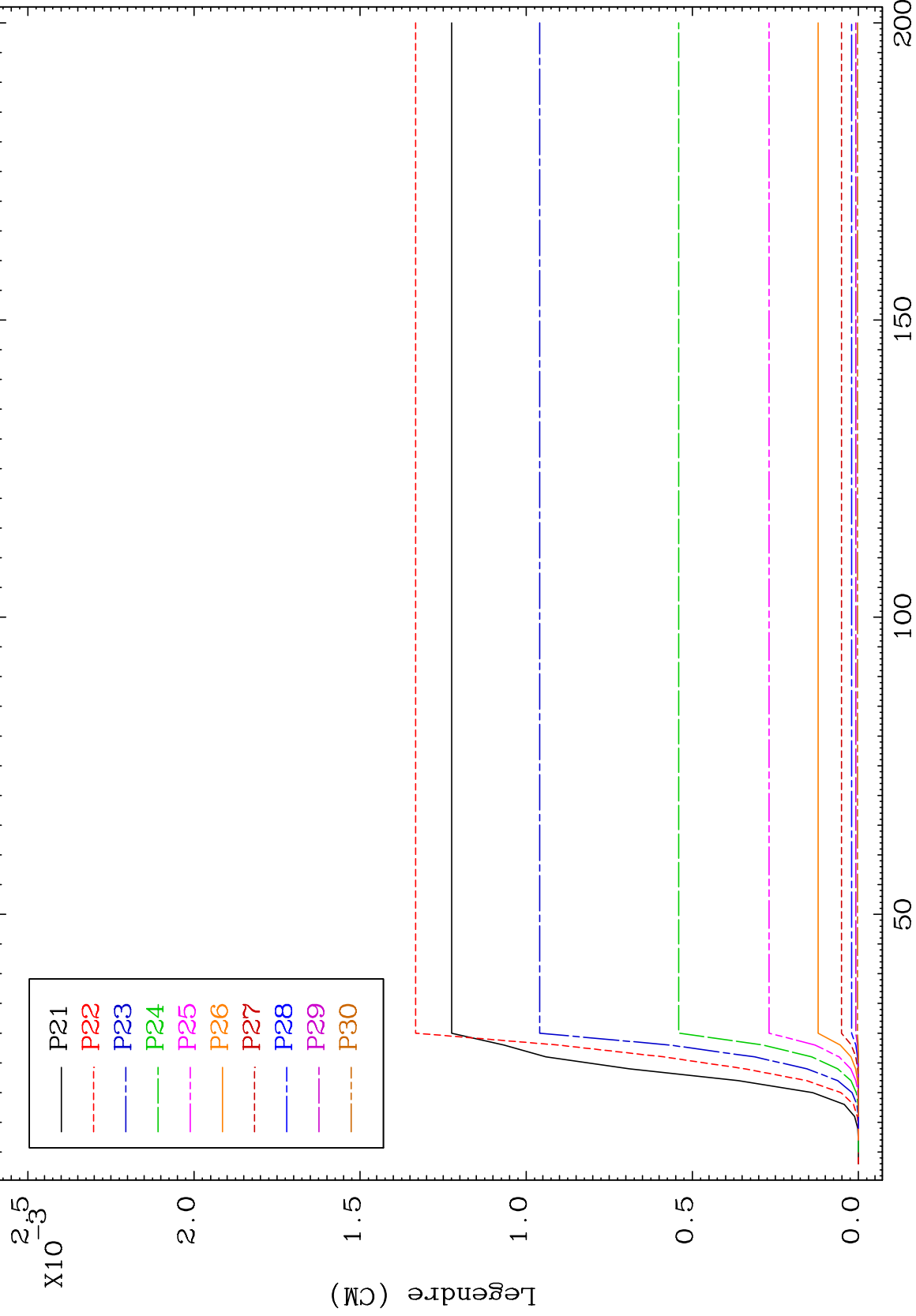




MAT 7925

MT= 76 (n,n') Level
Legendre Coefficients

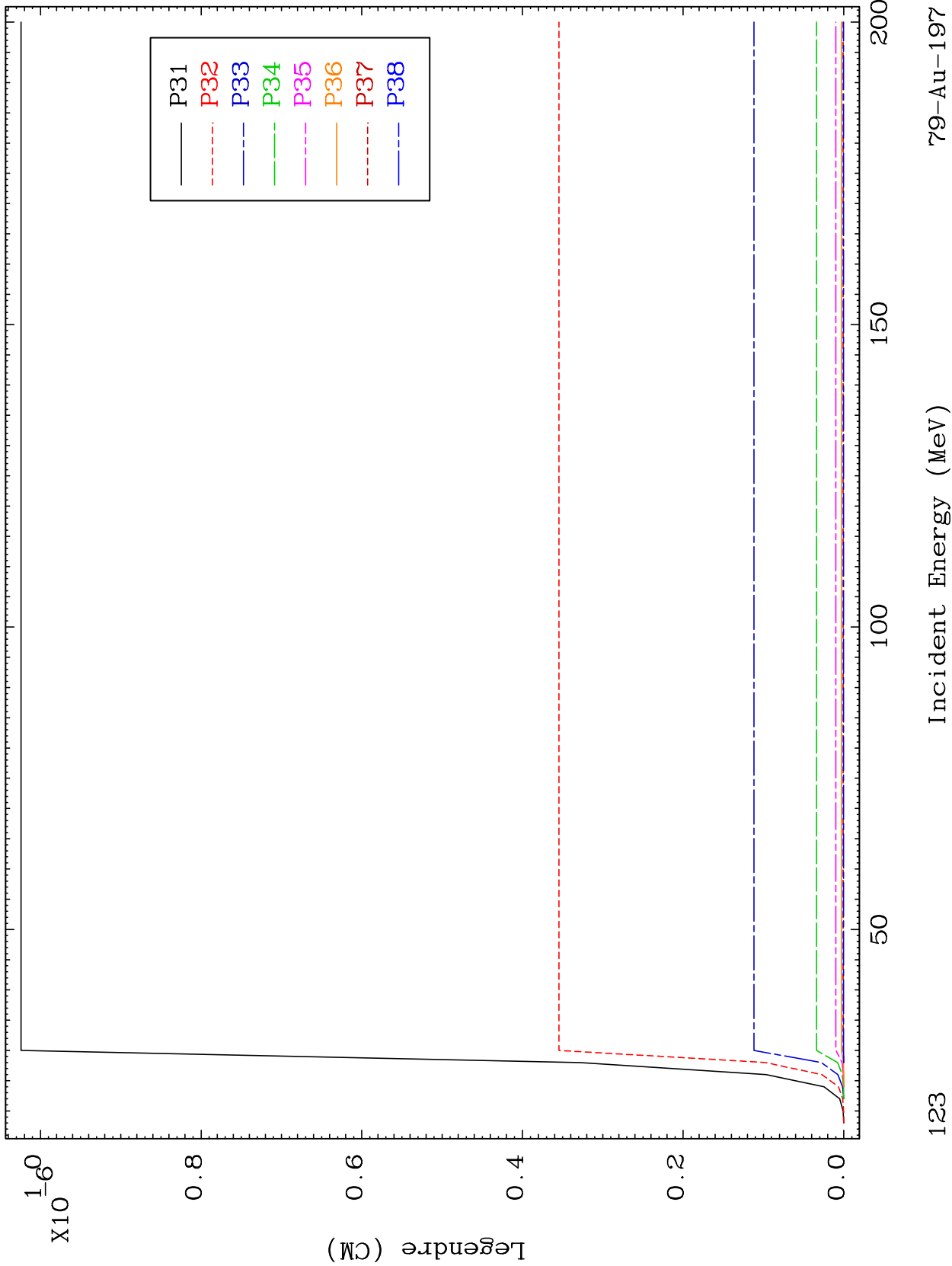
79-Au-197



122

Incident Energy (MeV)

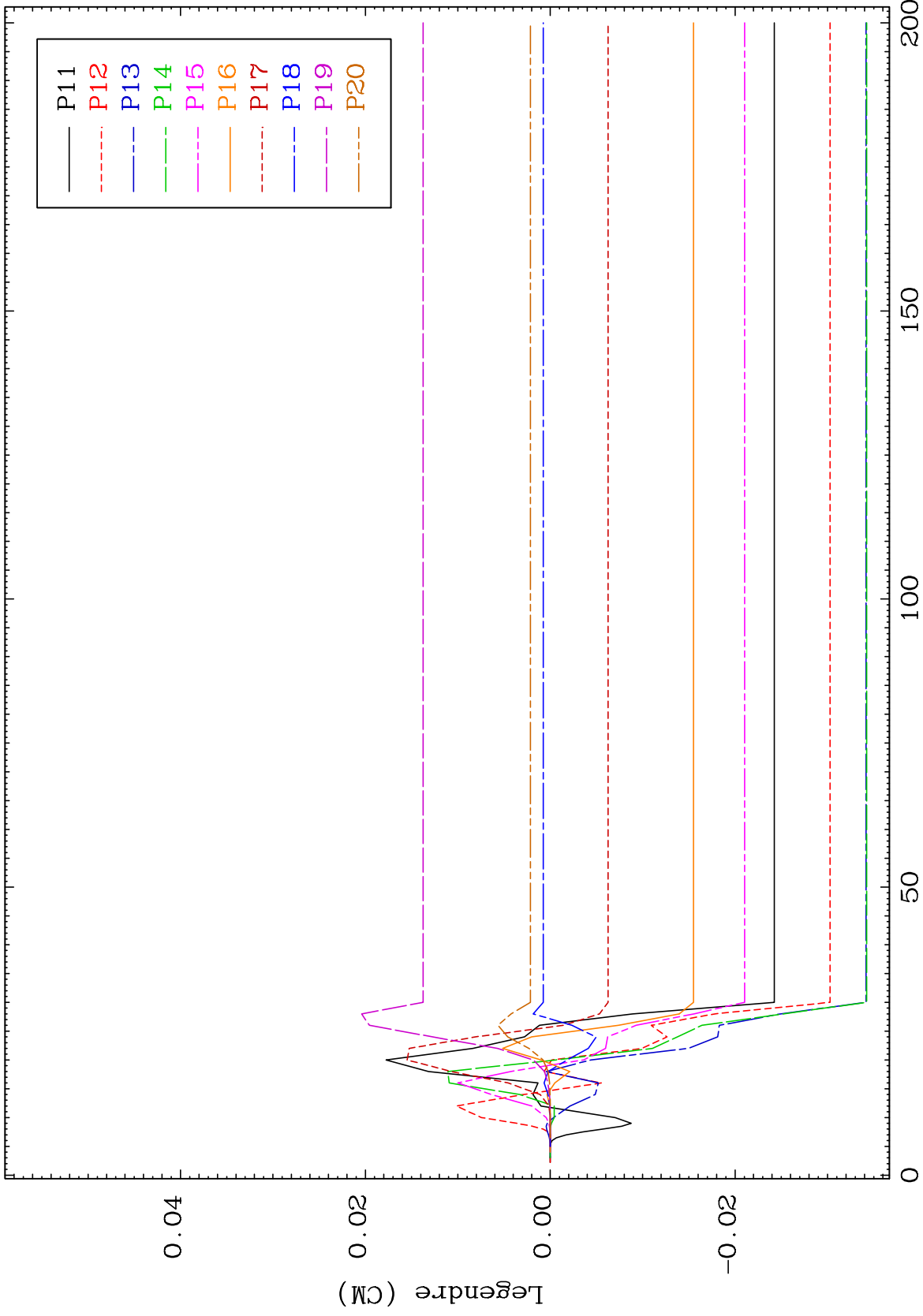
79-Au-197



MAT 7925

MT= 77 (n,n') Level
Legendre Coefficients

79-Au-197



125

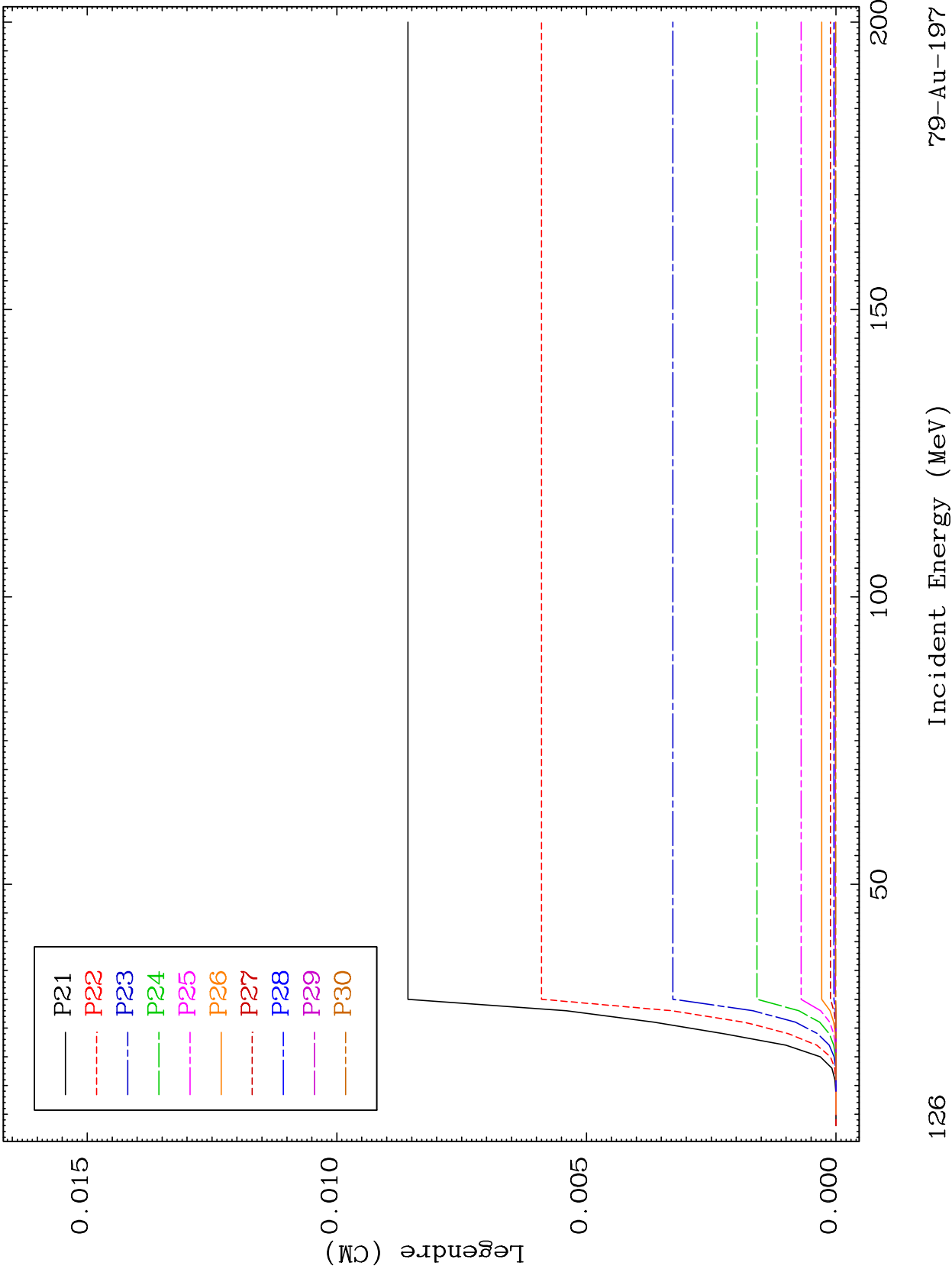
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 77 (n,n') Level
Legendre Coefficients

79-Au-197



126

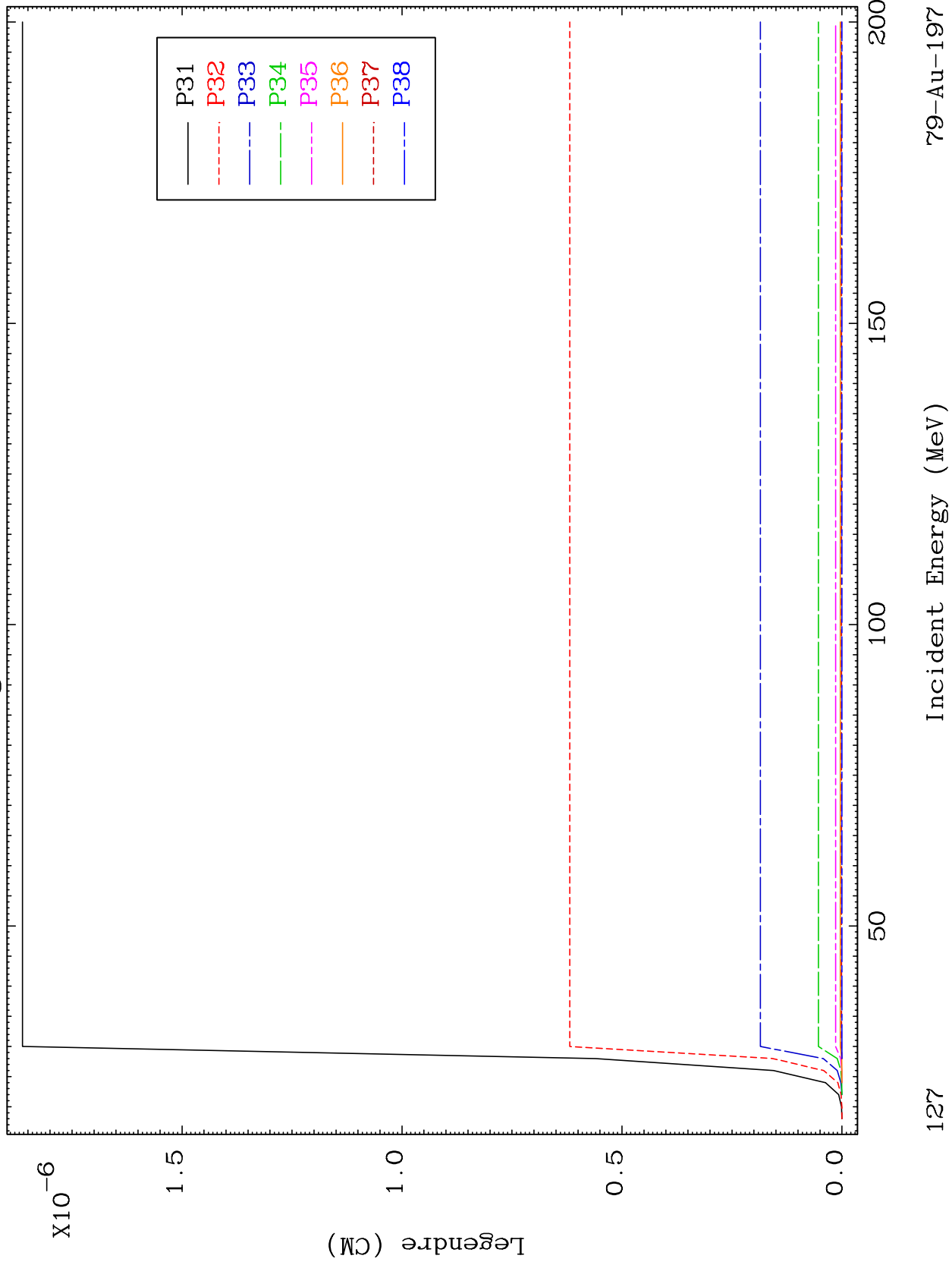
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 77 (n,n') Level
Legendre Coefficients

79-Au-197



127

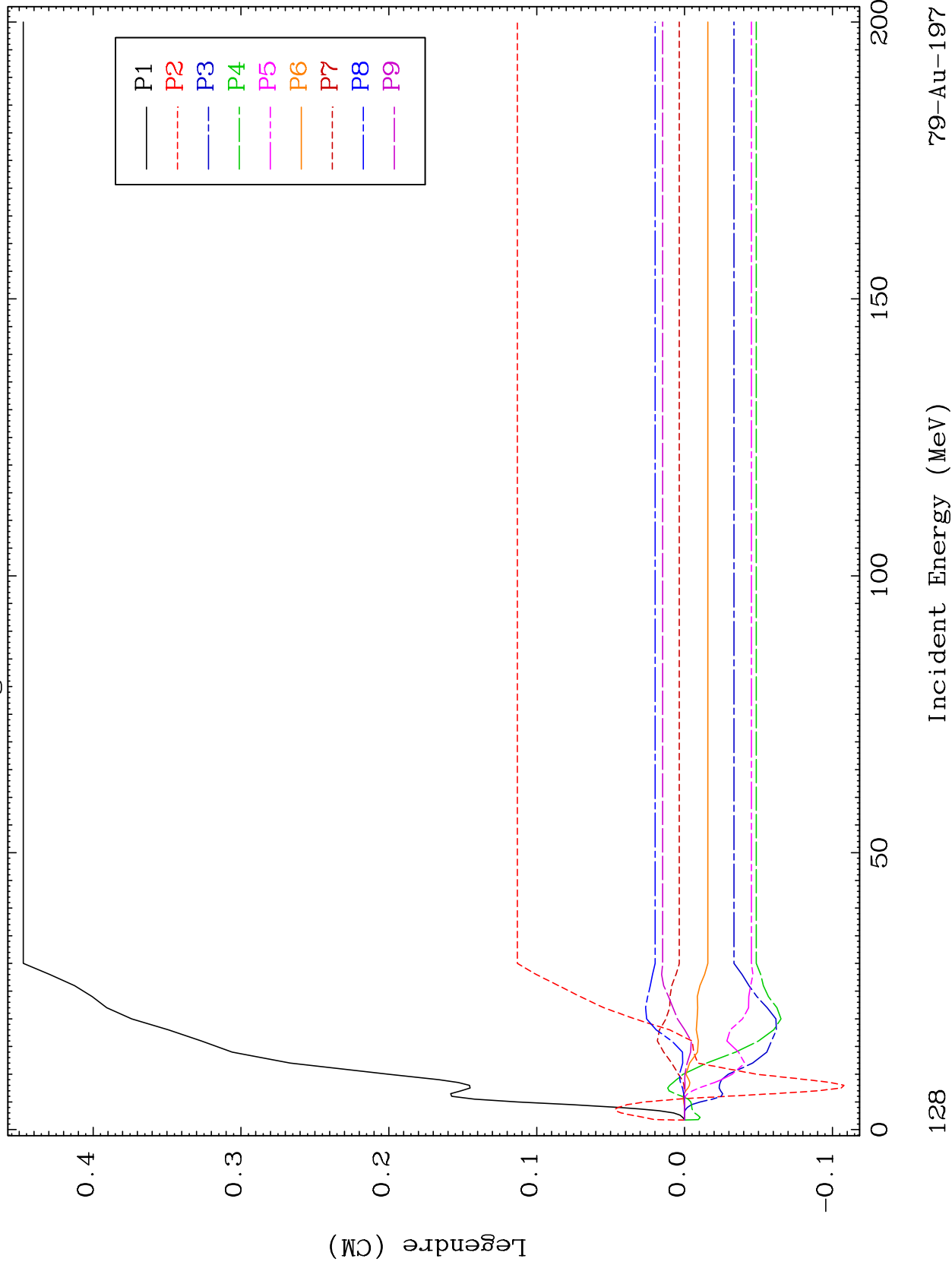
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 78 (n,n') Level
Legendre Coefficients

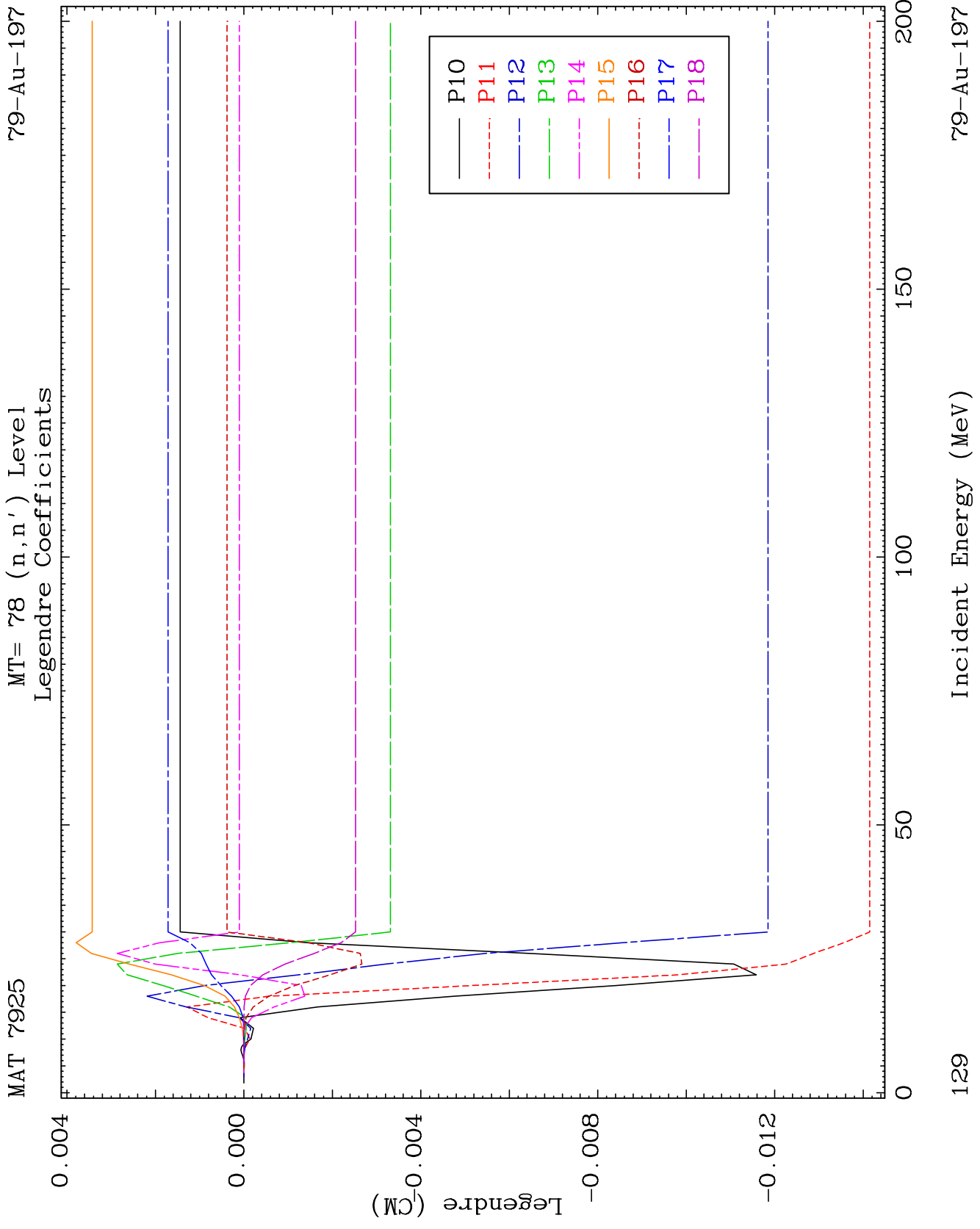
79-Au-197



79-Au-197

Incident Energy (MeV)

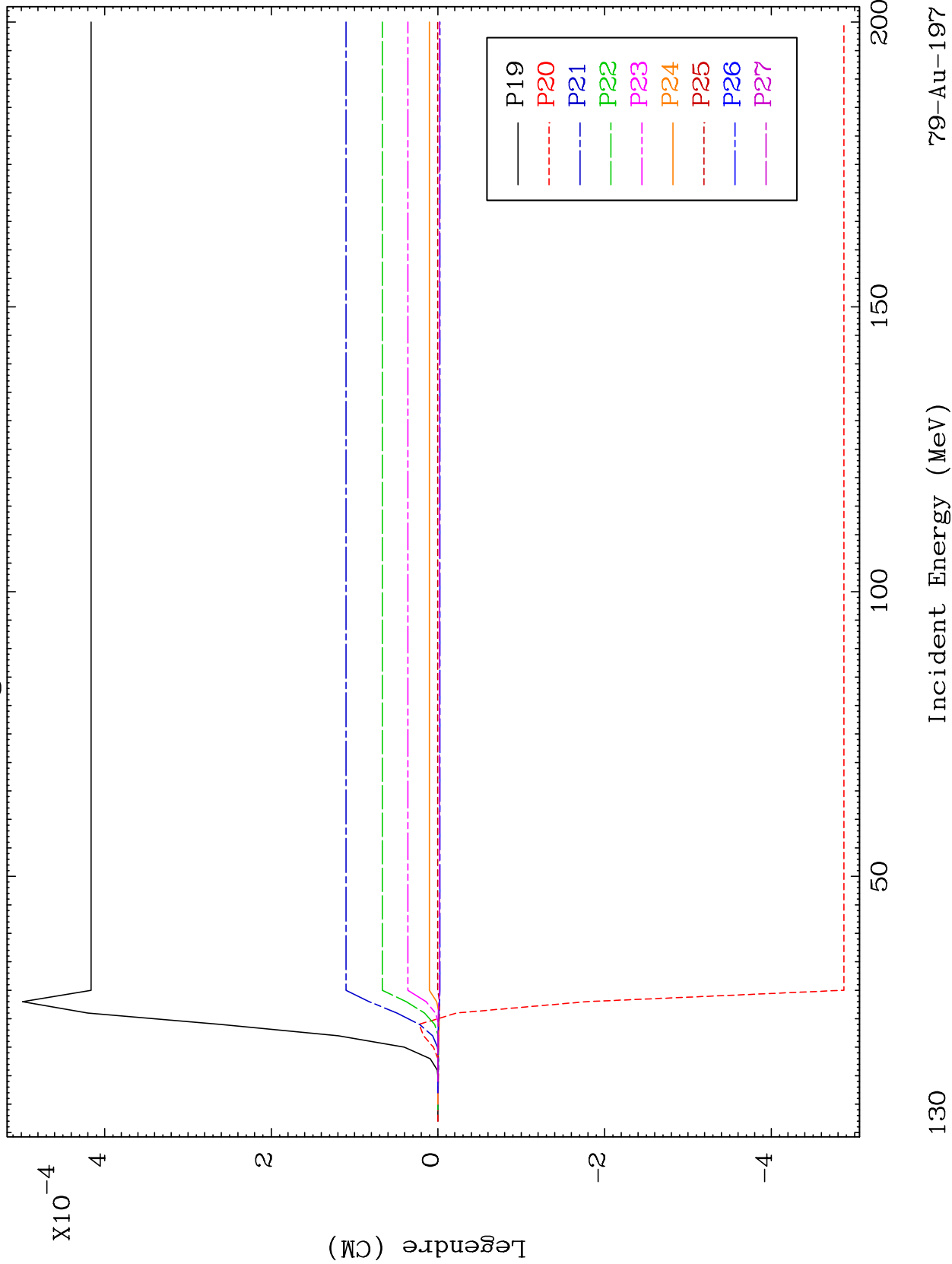
128



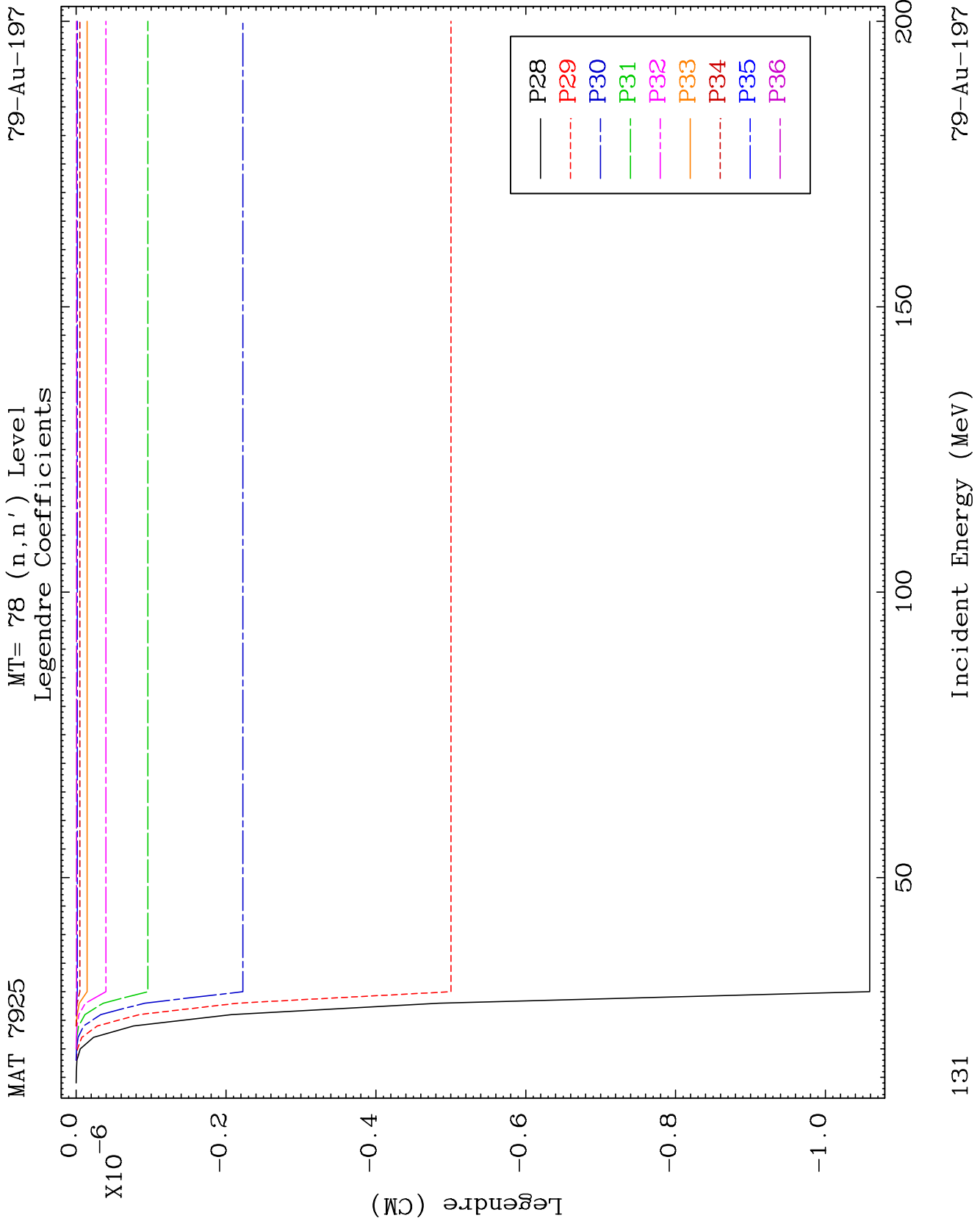
MAT 7925

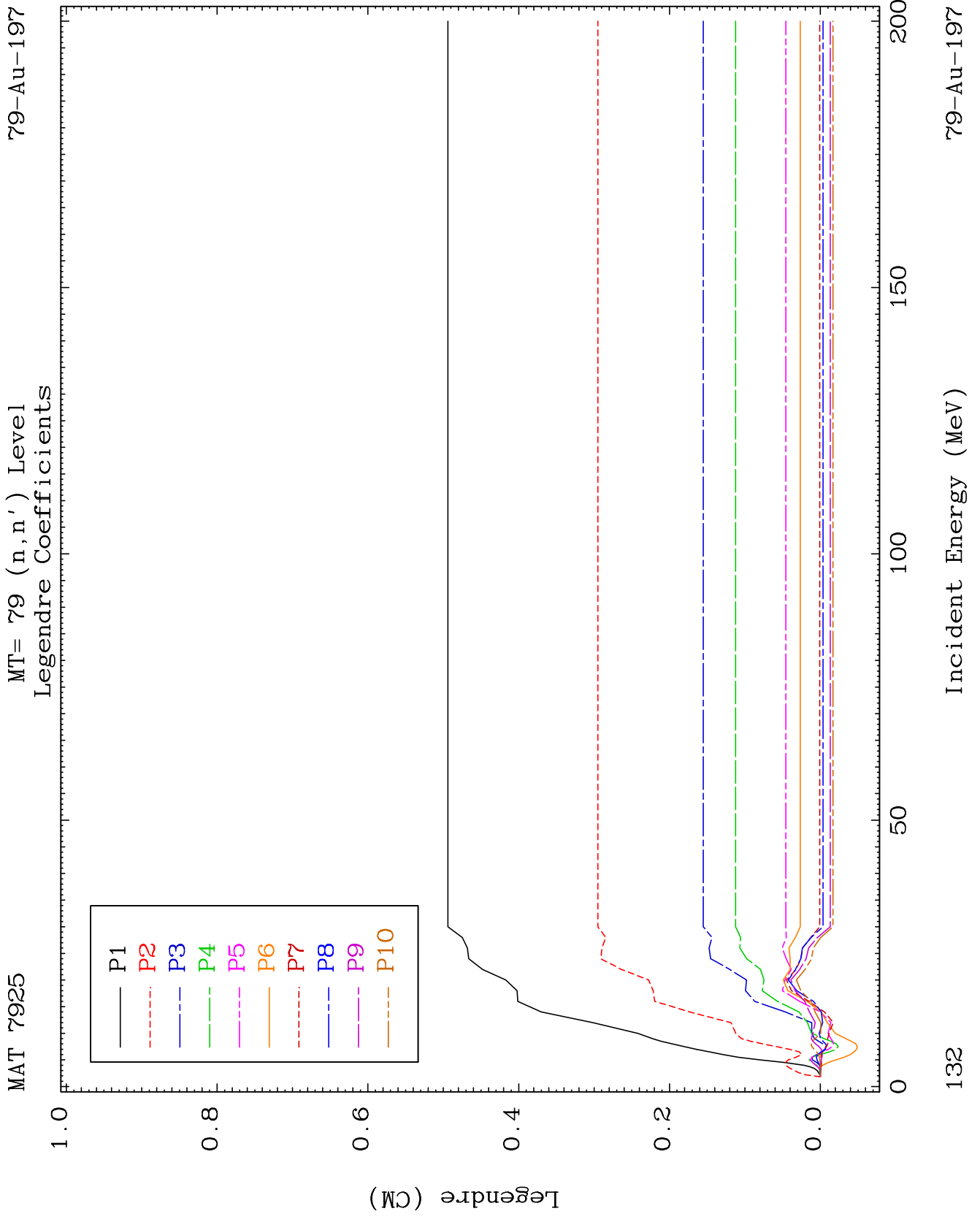
MT= 78 (n,n') Level
Legendre Coefficients

79-Au-197



130

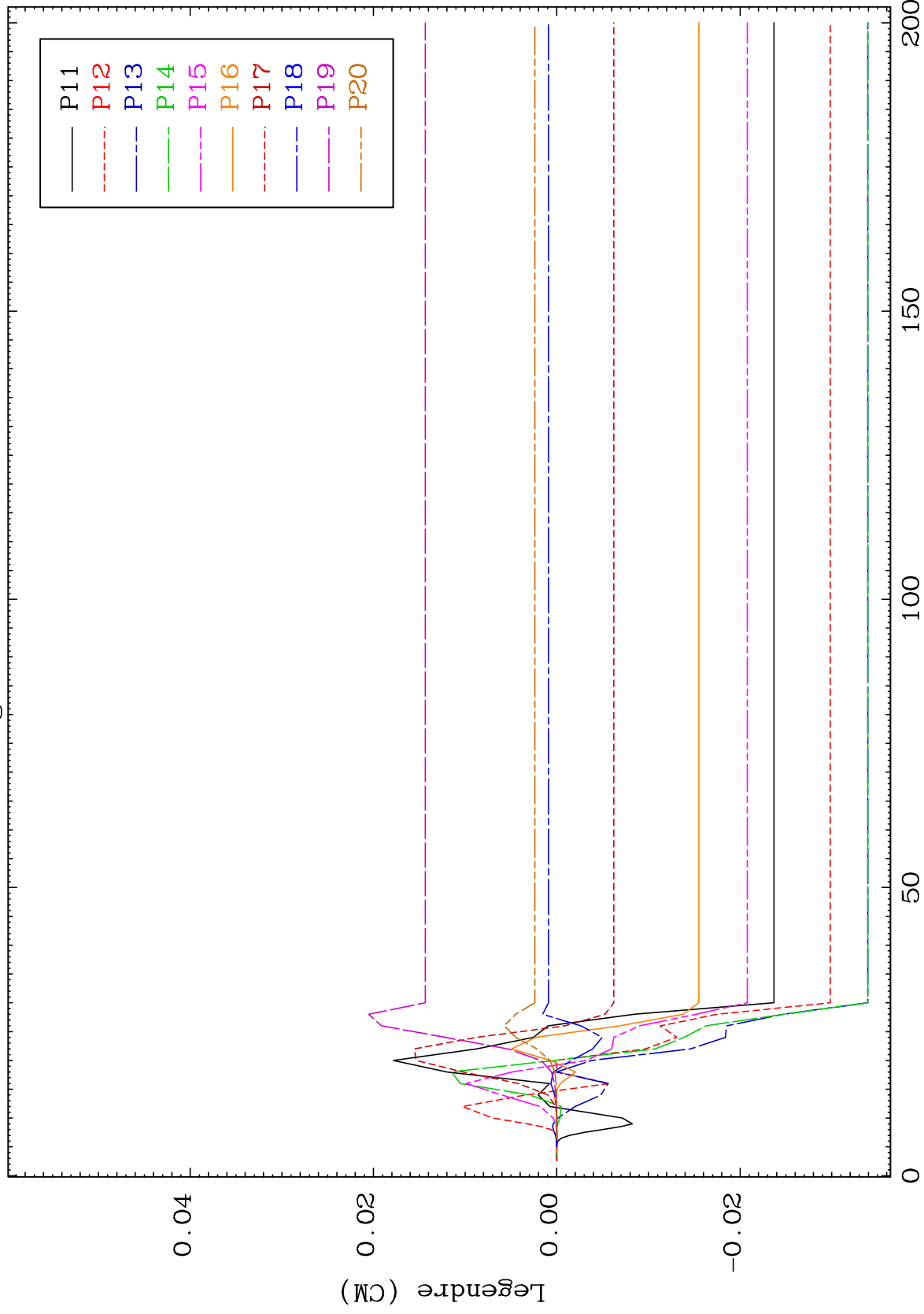




MAT 7925

MT= 79 (n,n') Level
Legendre Coefficients

79-Au-197



133

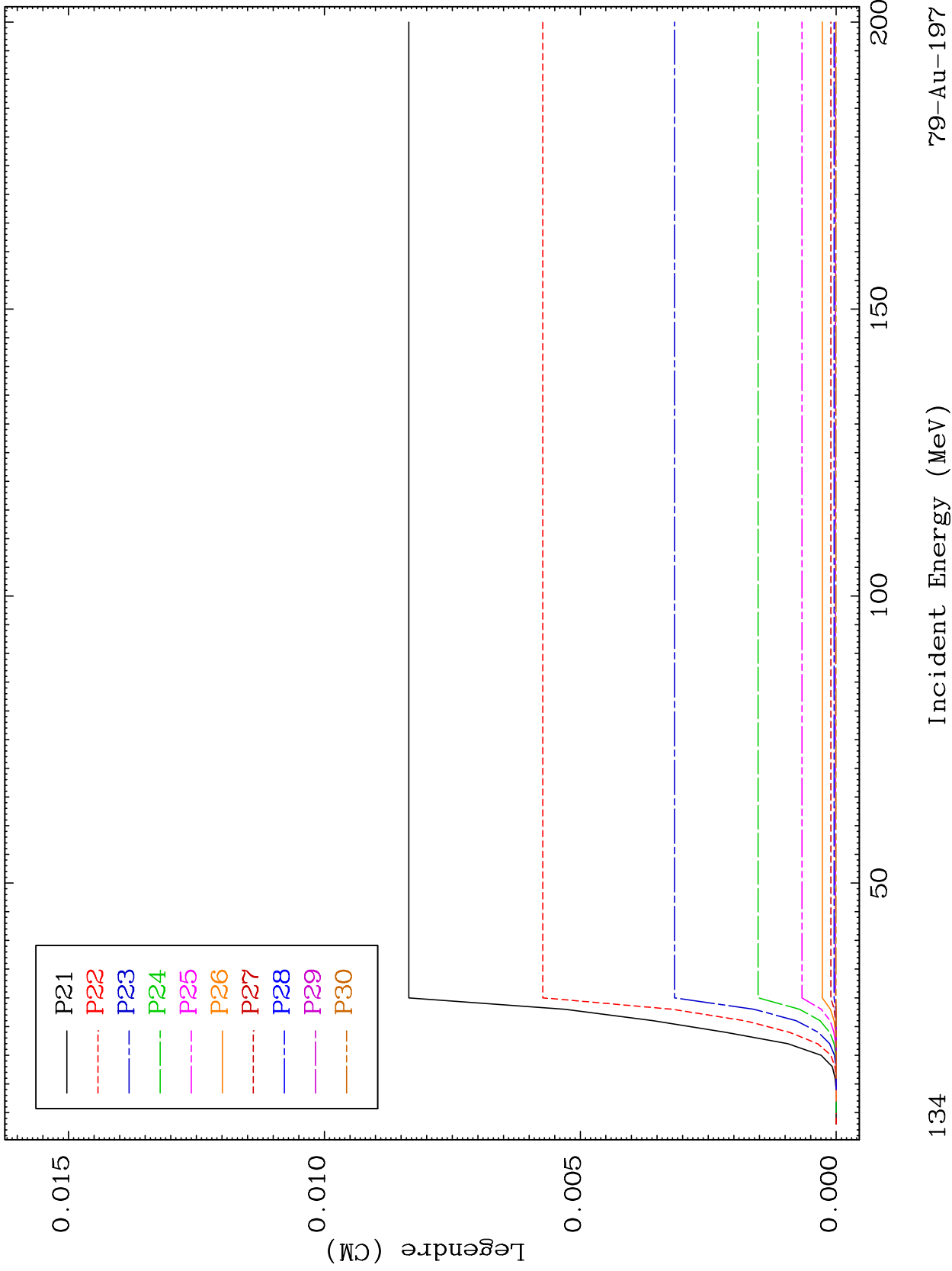
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 79 (n,n') Level
Legendre Coefficients

79-Au-197



134

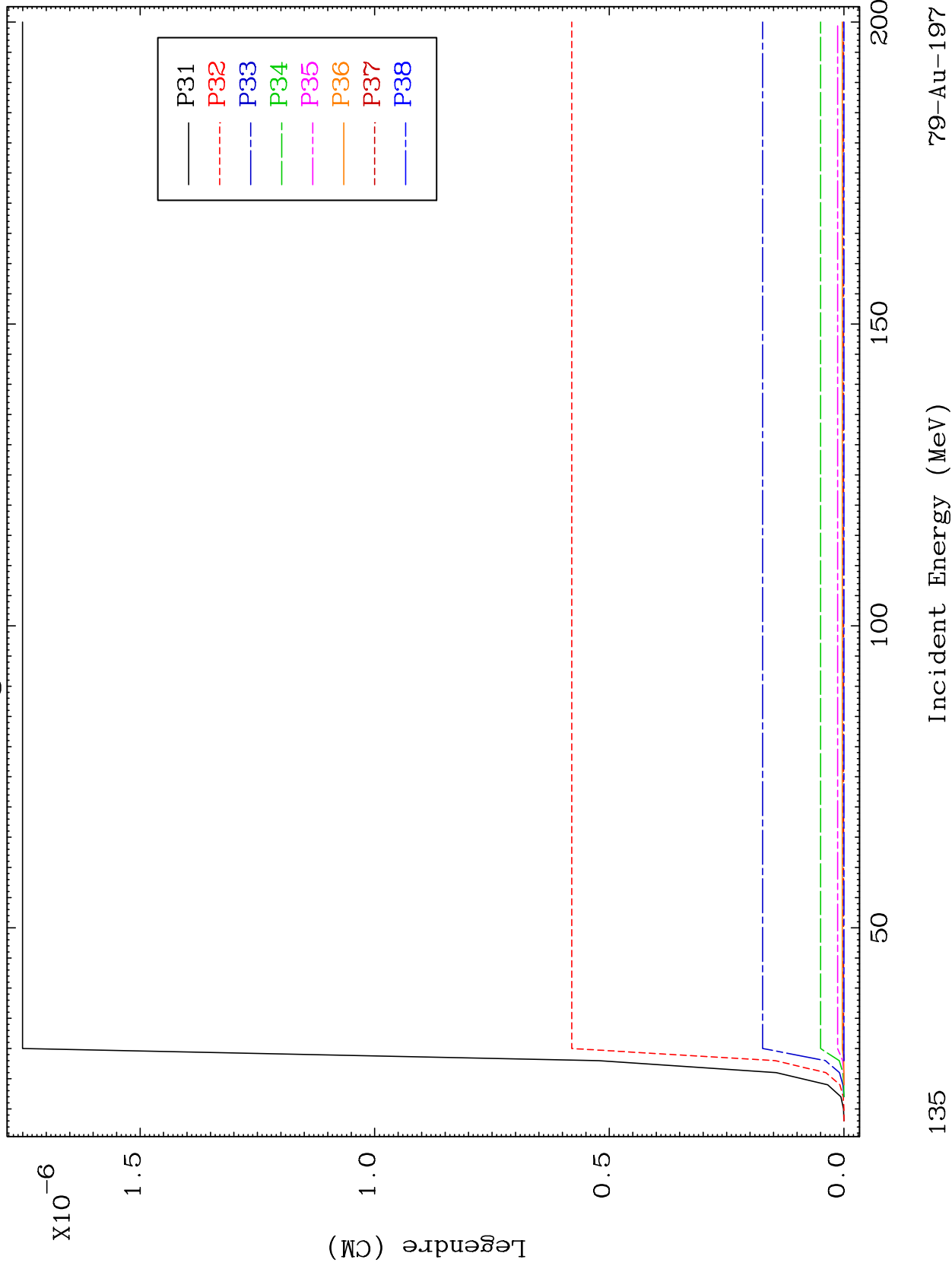
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 79 (n,n') Level
Legendre Coefficients

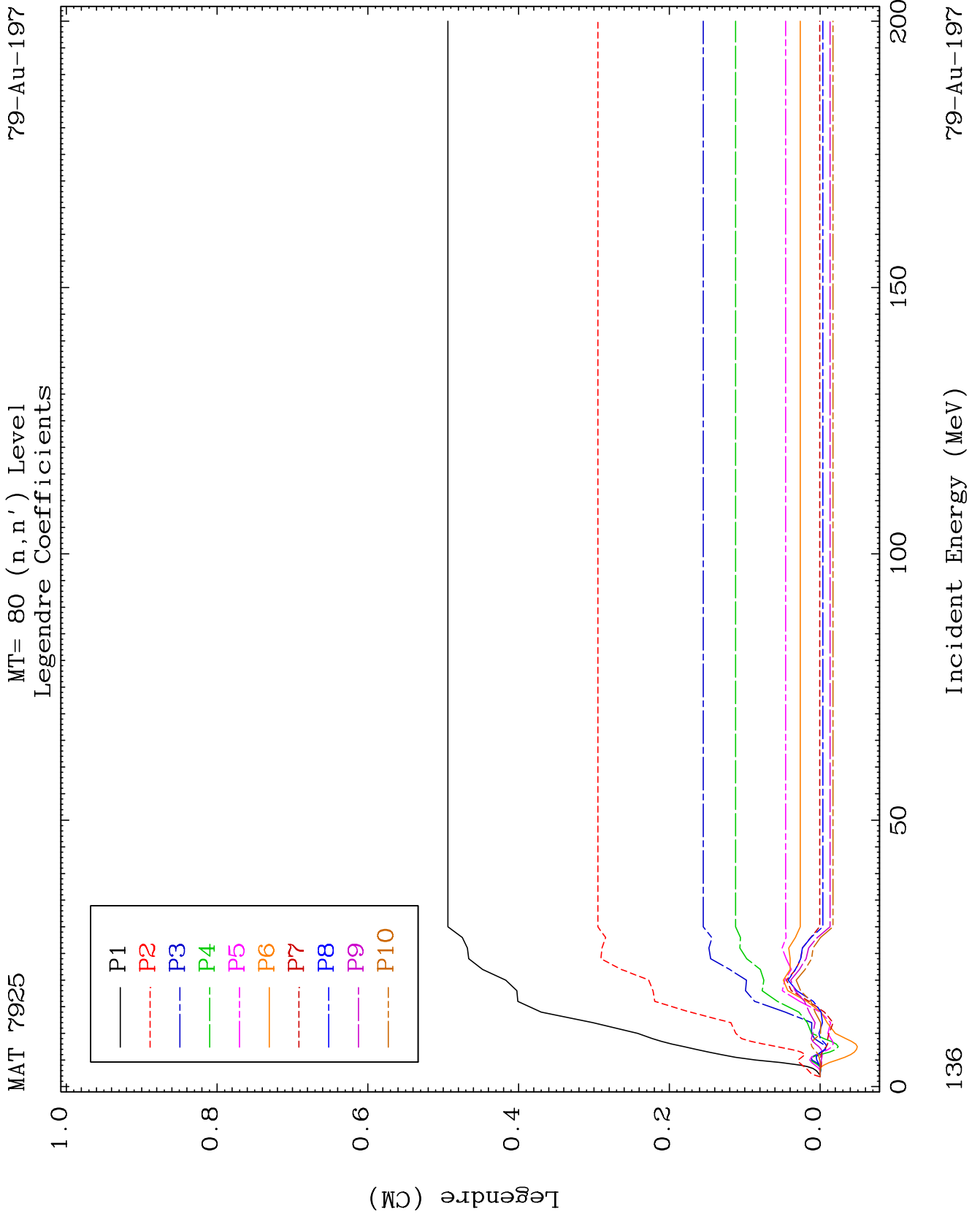
79-Au-197



79-Au-197

Incident Energy (MeV)

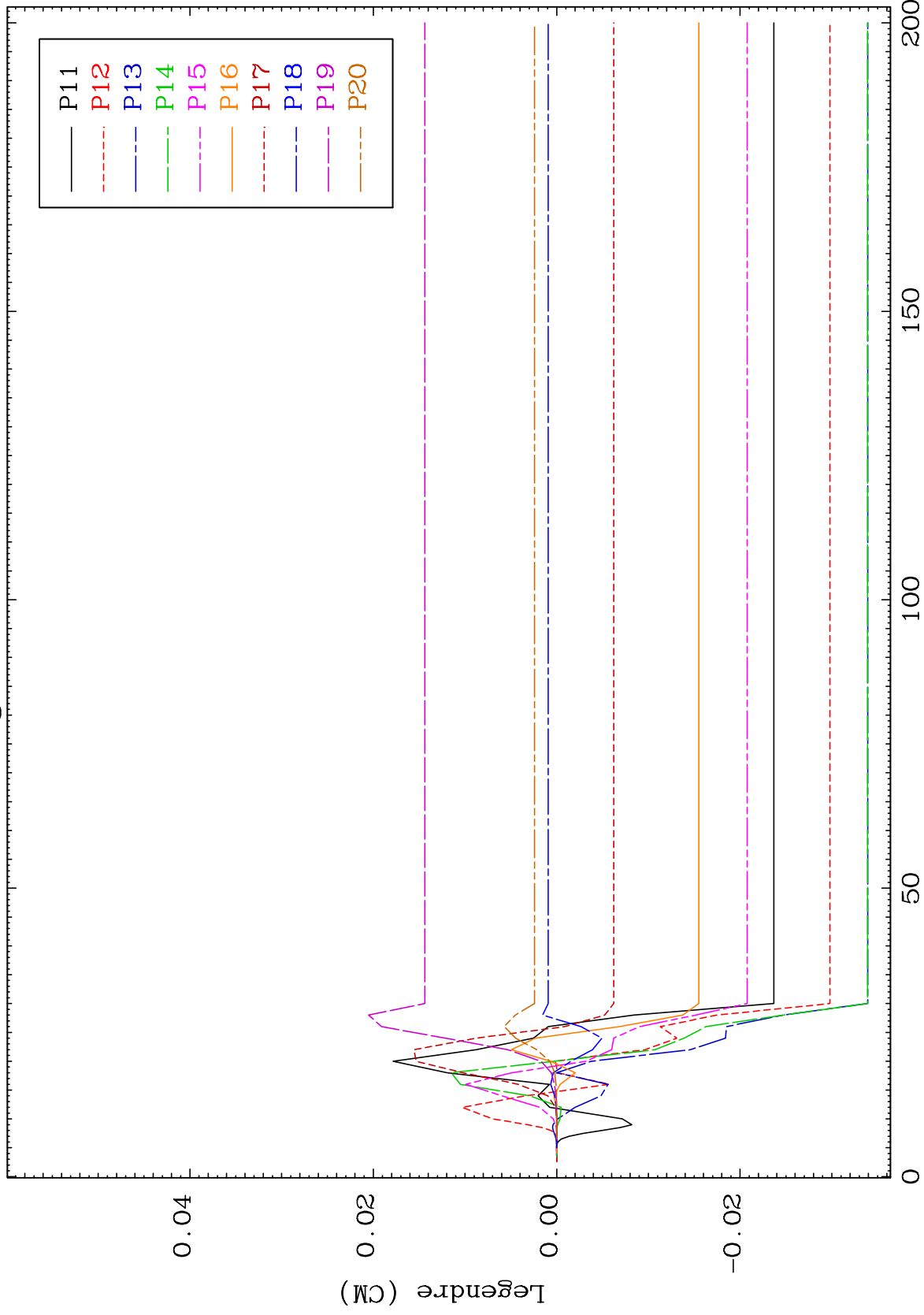
135



MAT 7925

MT= 80 (n,n') Level
Legendre Coefficients

79-Au-197



137

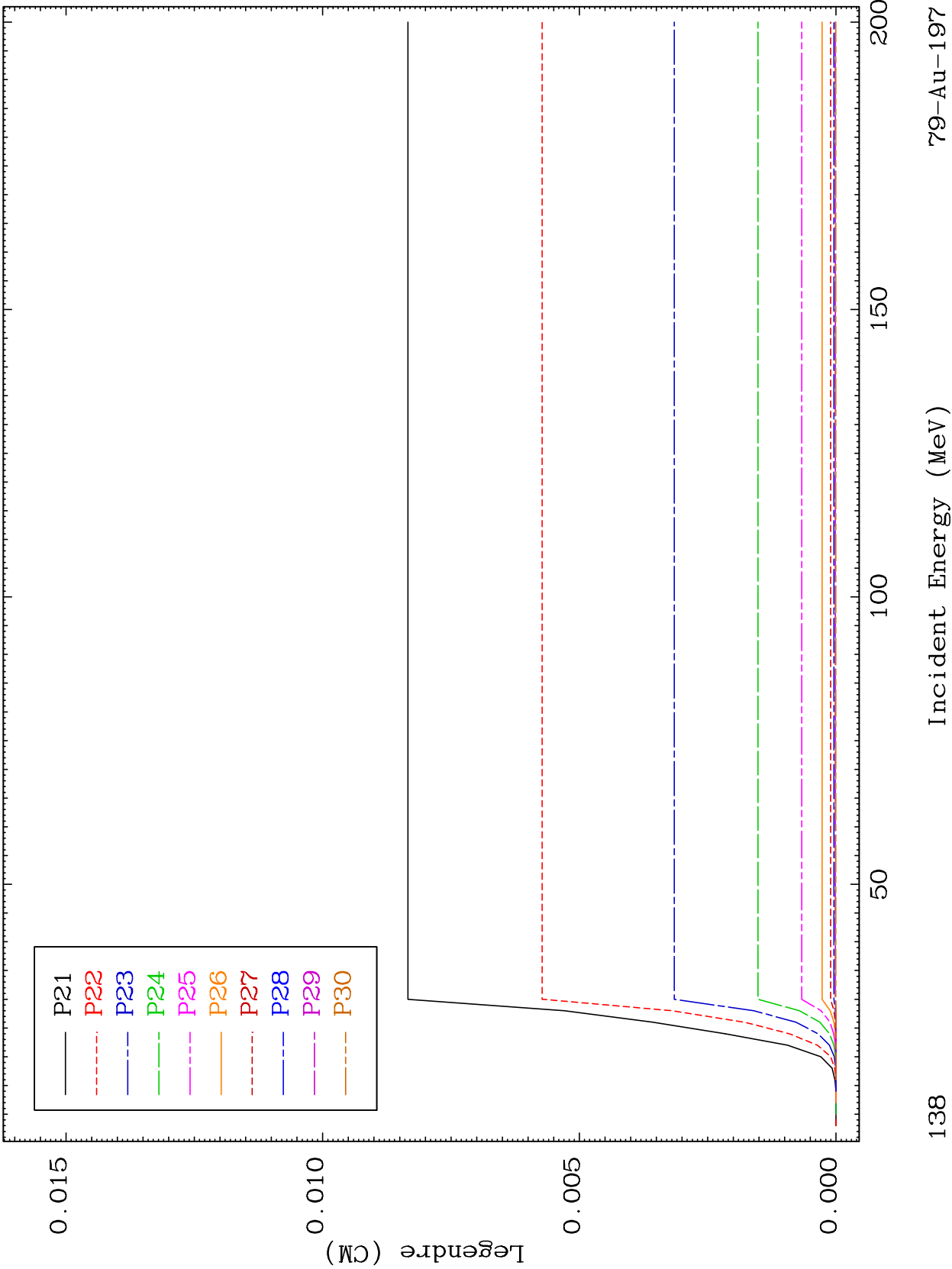
Incident Energy (MeV)

79-Au-197

MAT 7925

MT= 80 (n,n') Level
Legendre Coefficients

79-Au-197



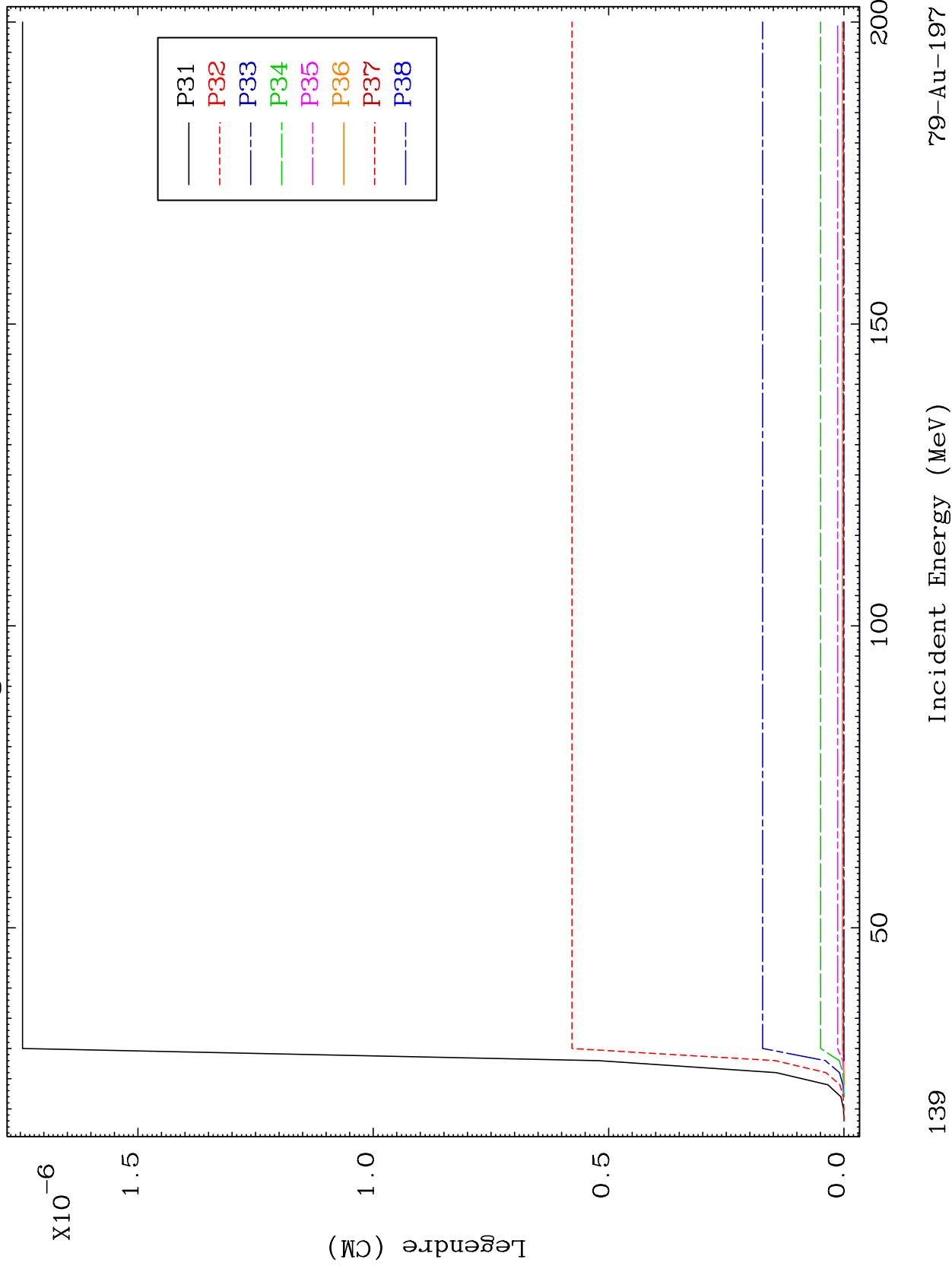
138

79-Au-197

MAT 7925

MT= 80 (n,n') Level
Legendre Coefficients

79-Au-197



139

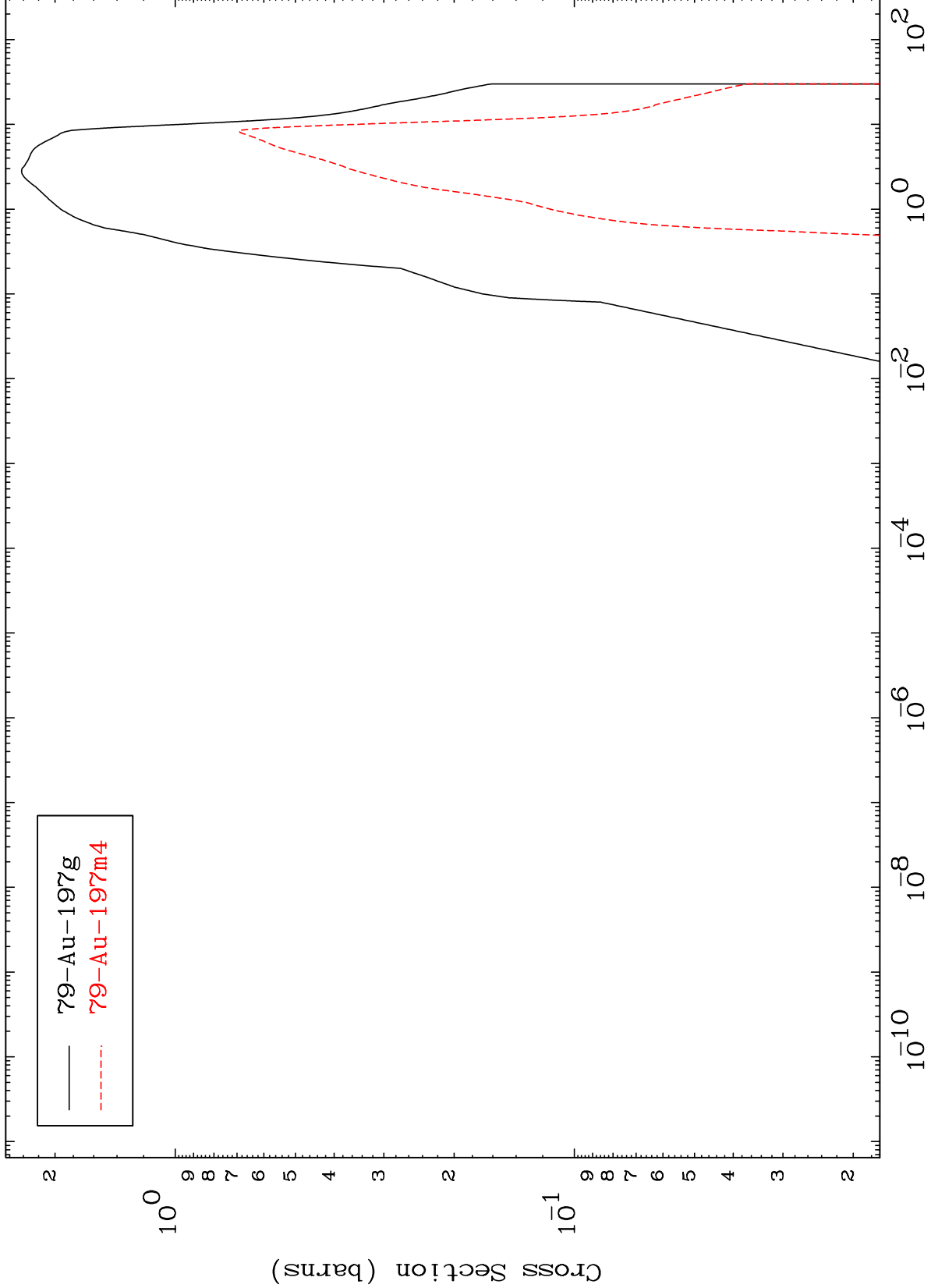
Incident Energy (MeV)

79-Au-197

MAT 7925

Inelastic
Radionuclide Production Cross Section

79-Au-197



79-Au-197g
79-Au-197m4

140

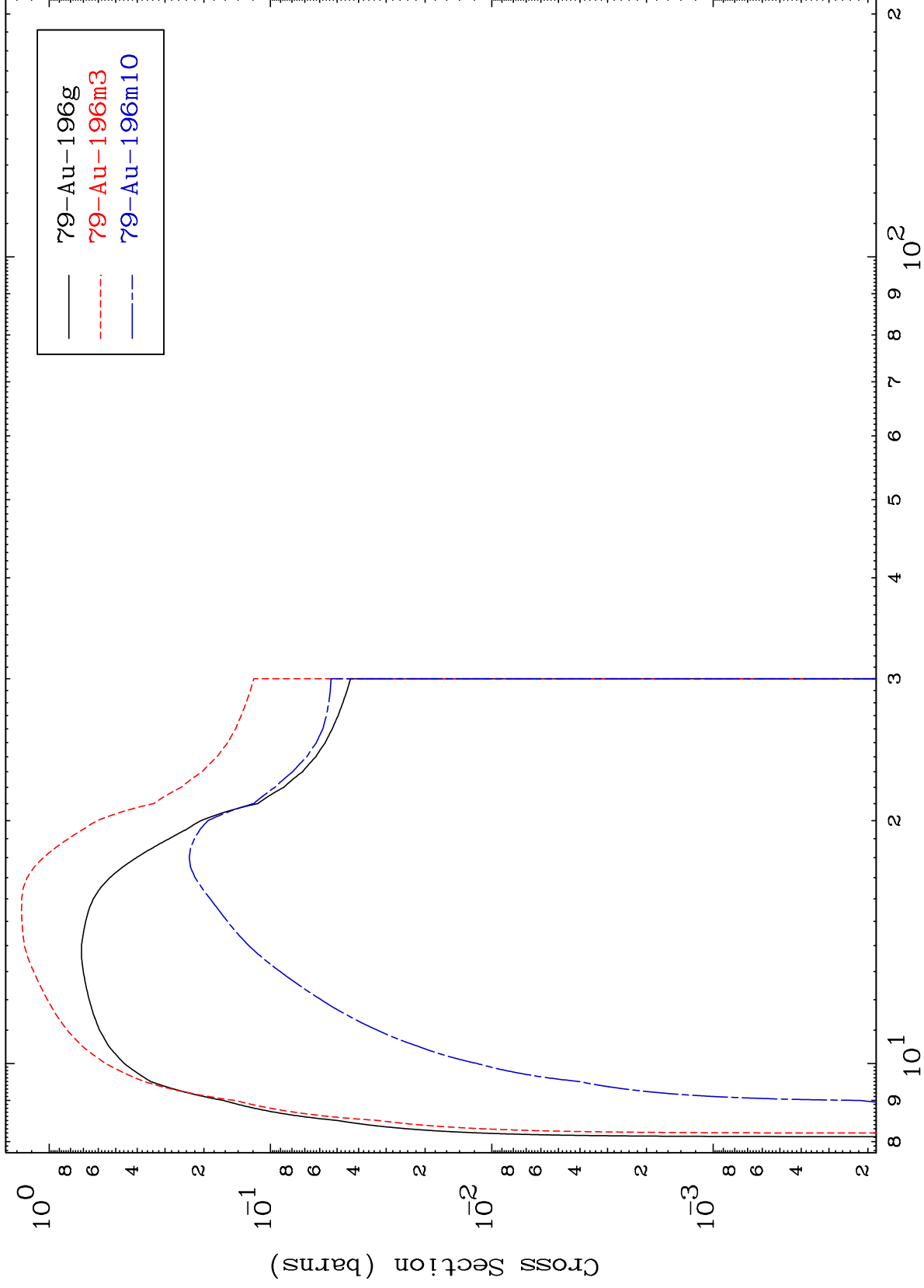
79-Au-197

MAT 7925

(n,2n)

79-Au-197

Radionuclide Production Cross Section



Incident Energy (MeV)

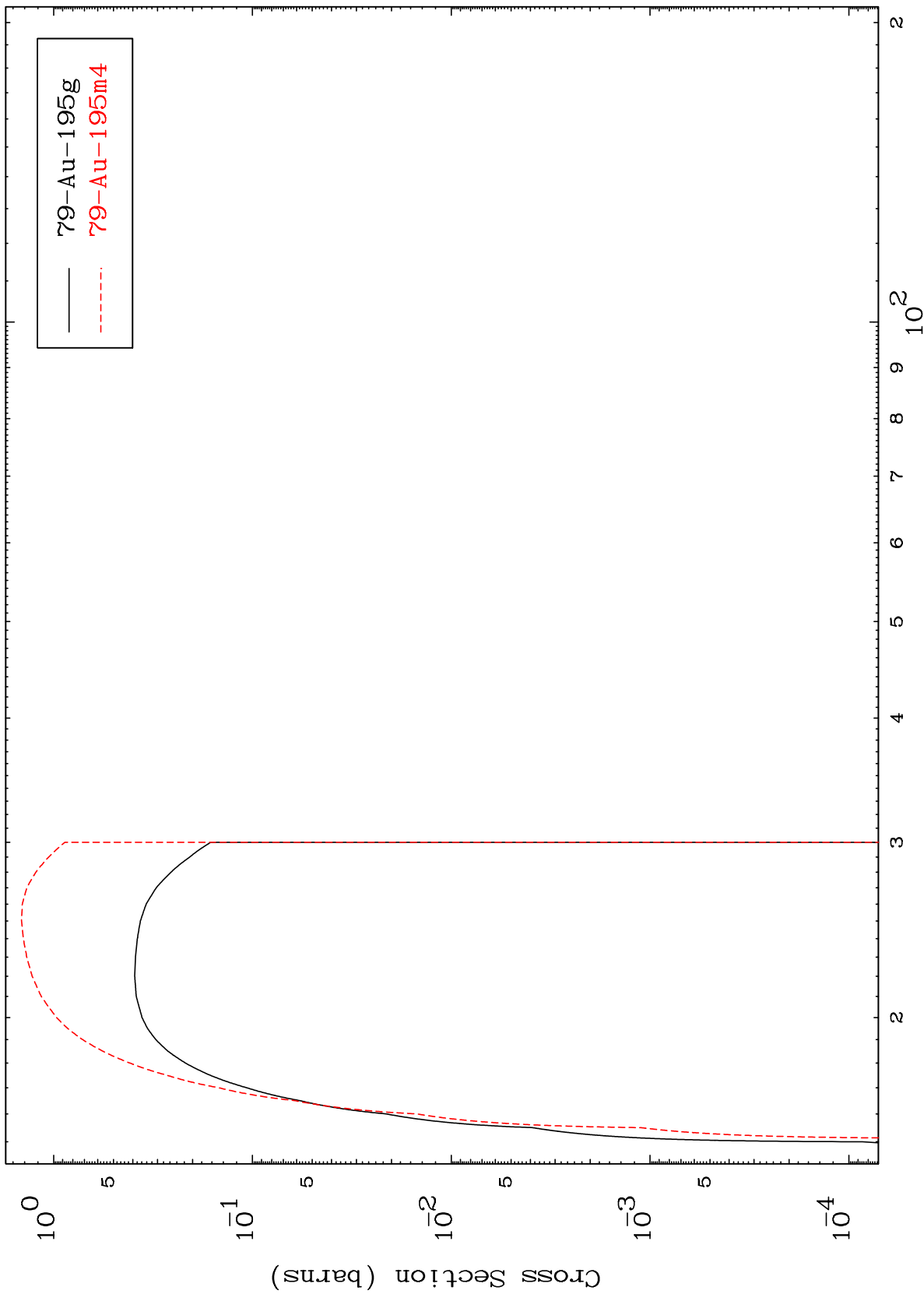
79-Au-197

141

MAT 7925

79-Au-197

(n,3n)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

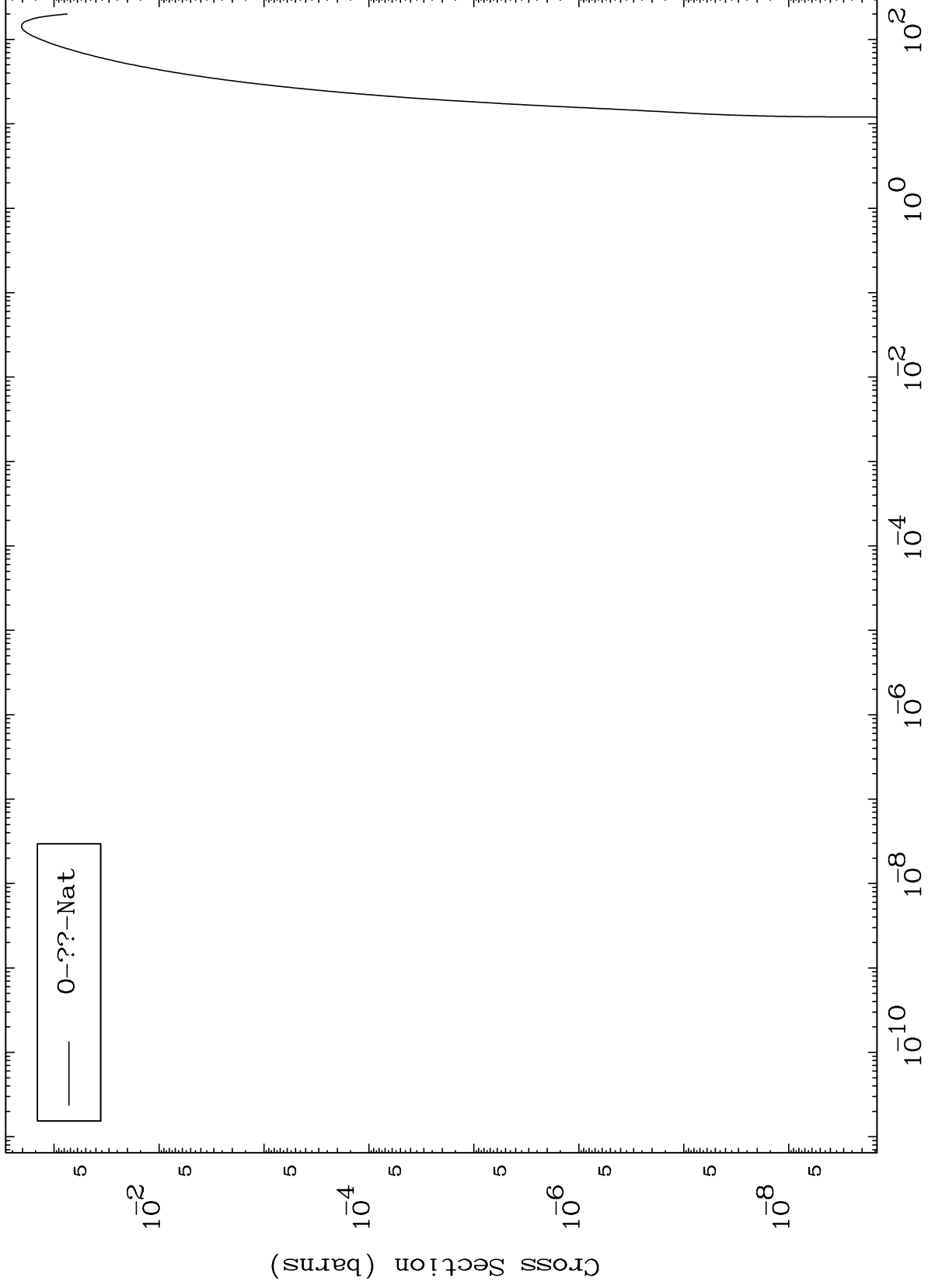
79-Au-197

MAT 7925

Fission

⁷⁹Au-197

Radionuclide Production Cross Section

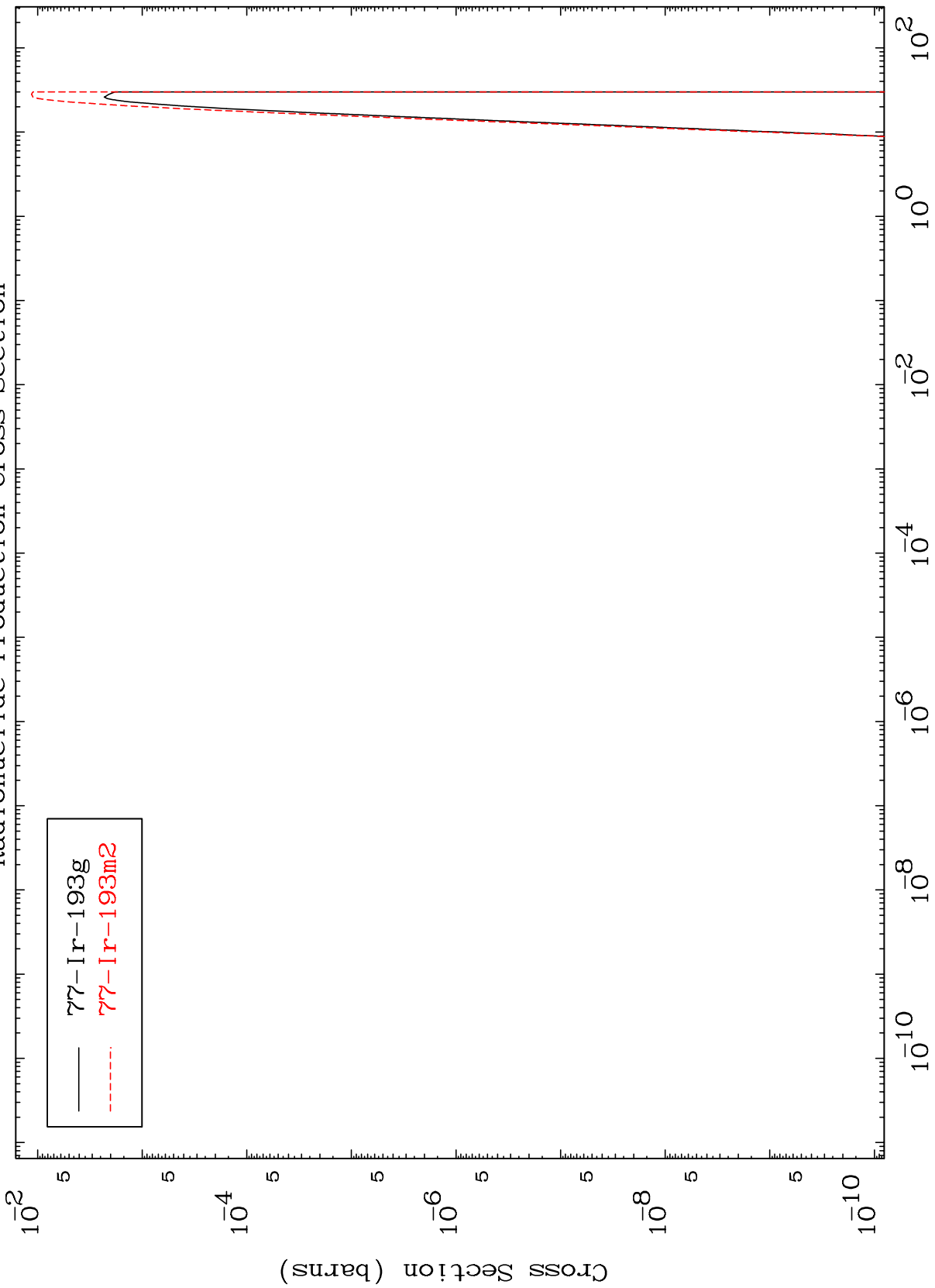


MAT 7925

$(n, n') \alpha$

79-Au-197

Radionuclide Production Cross Section

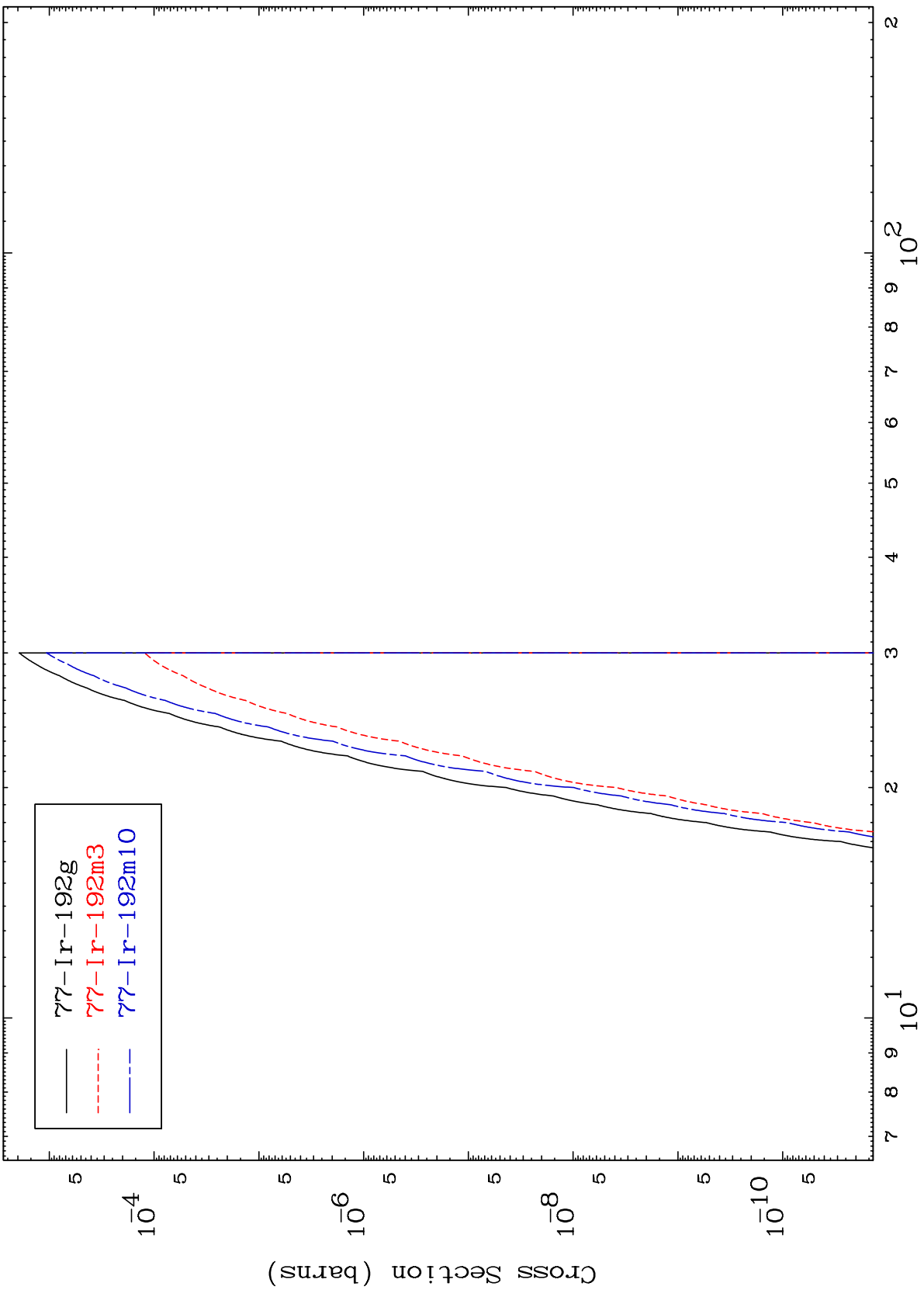


MAT 7925

(n,2n) α

79-Au-197

Radionuclide Production Cross Section

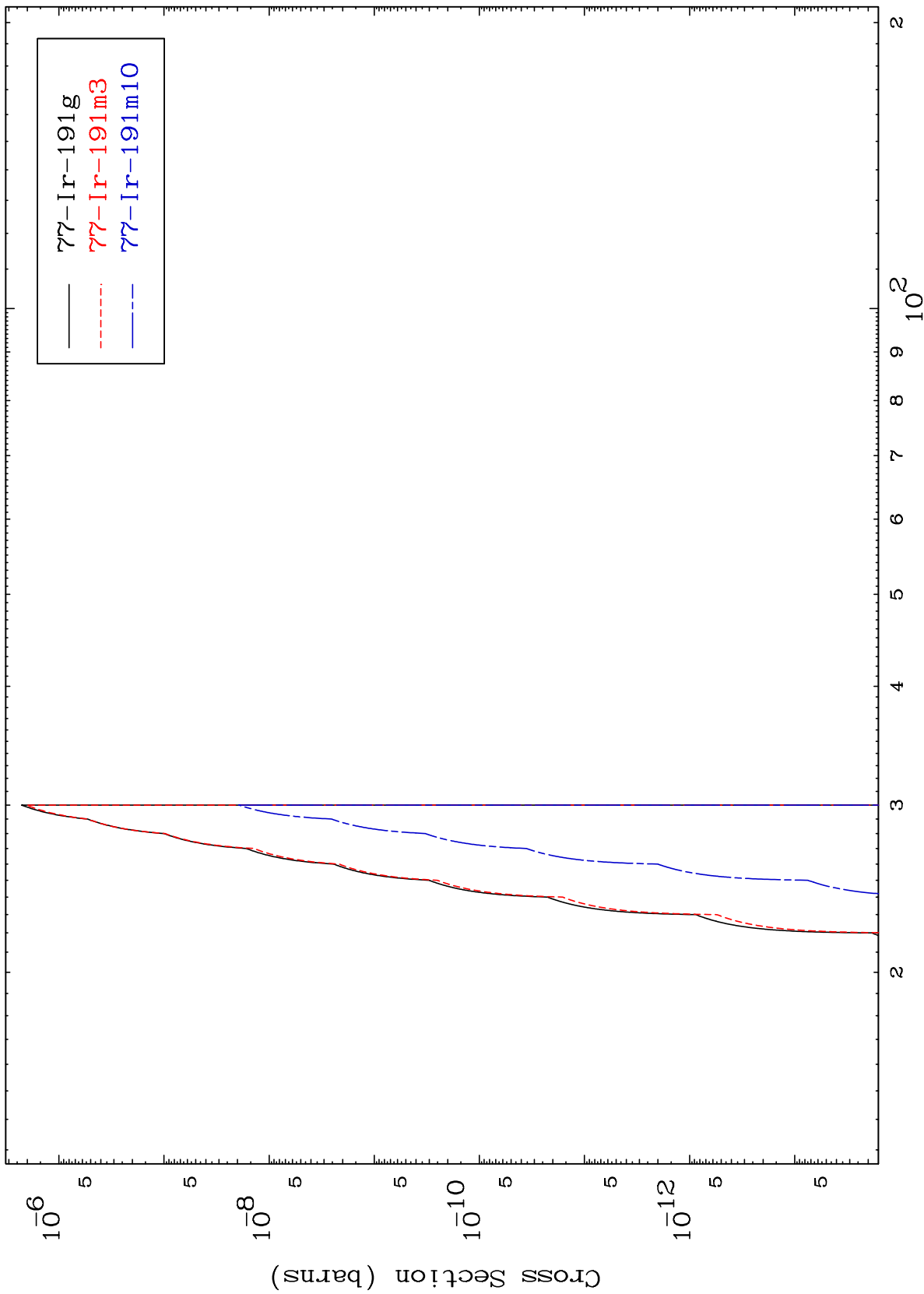


145

Incident Energy (MeV)

79-Au-197

Radionuclide Production Cross Section

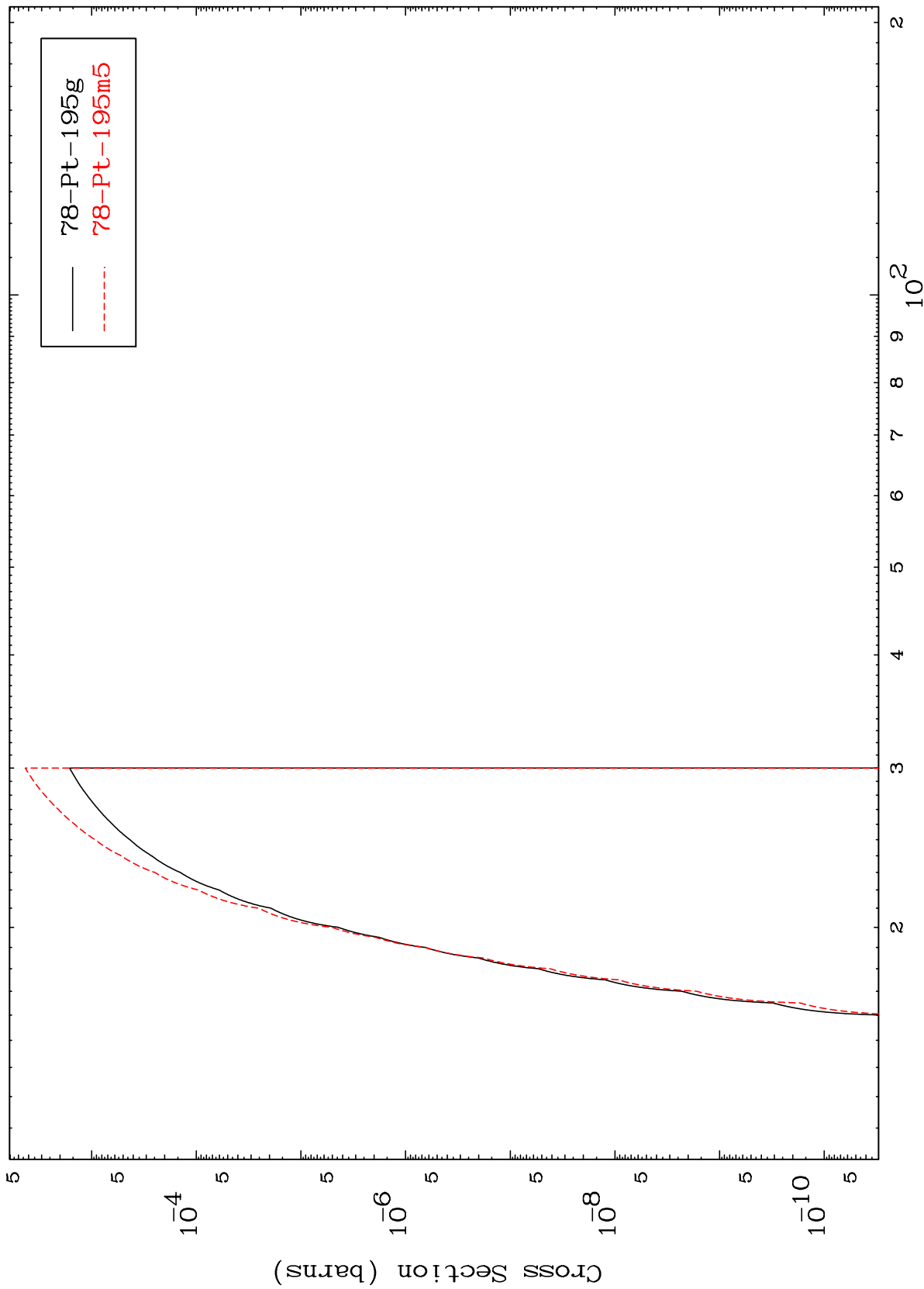


MAT 7925

(n,n') d

79-Au-197

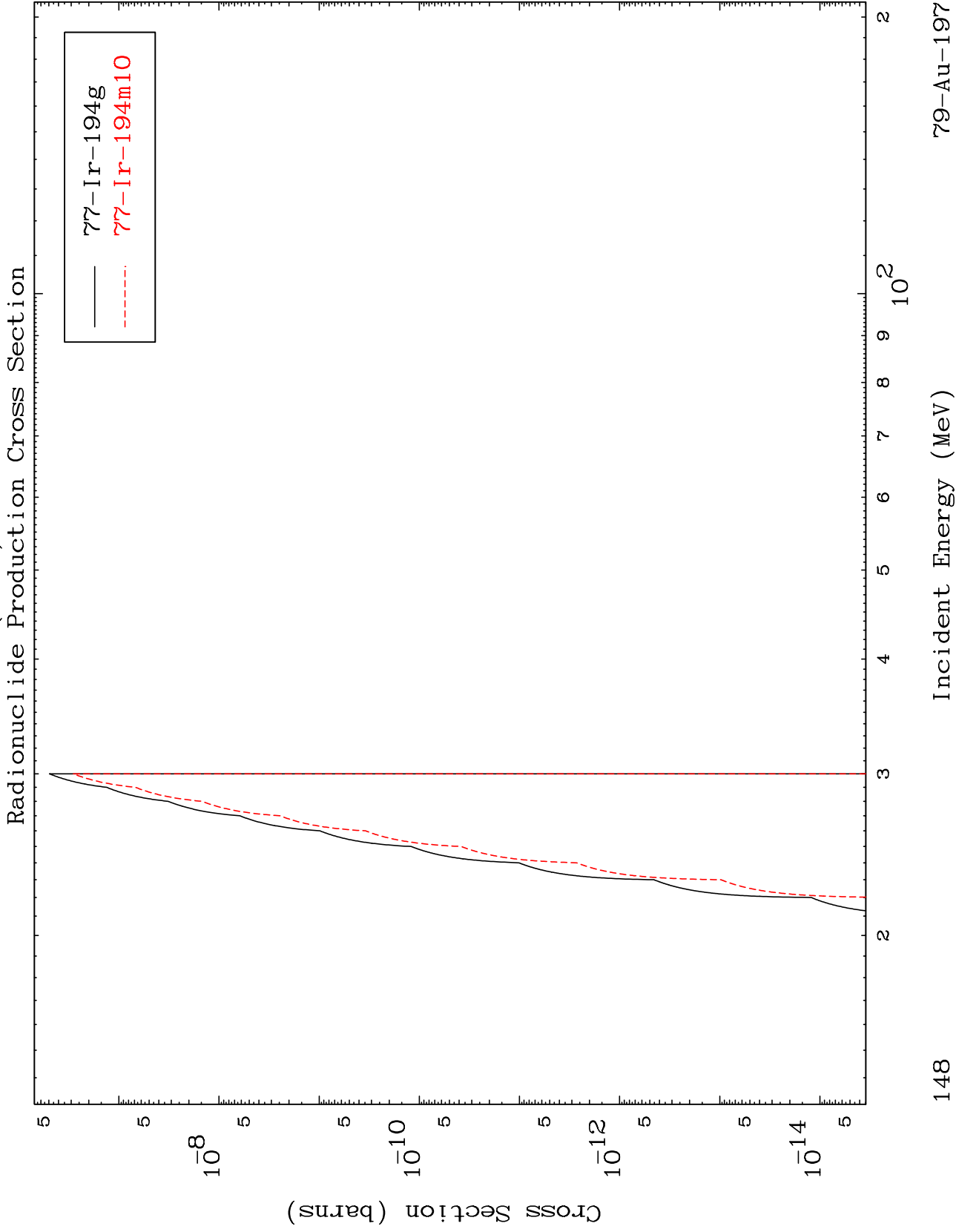
Radionuclide Production Cross Section



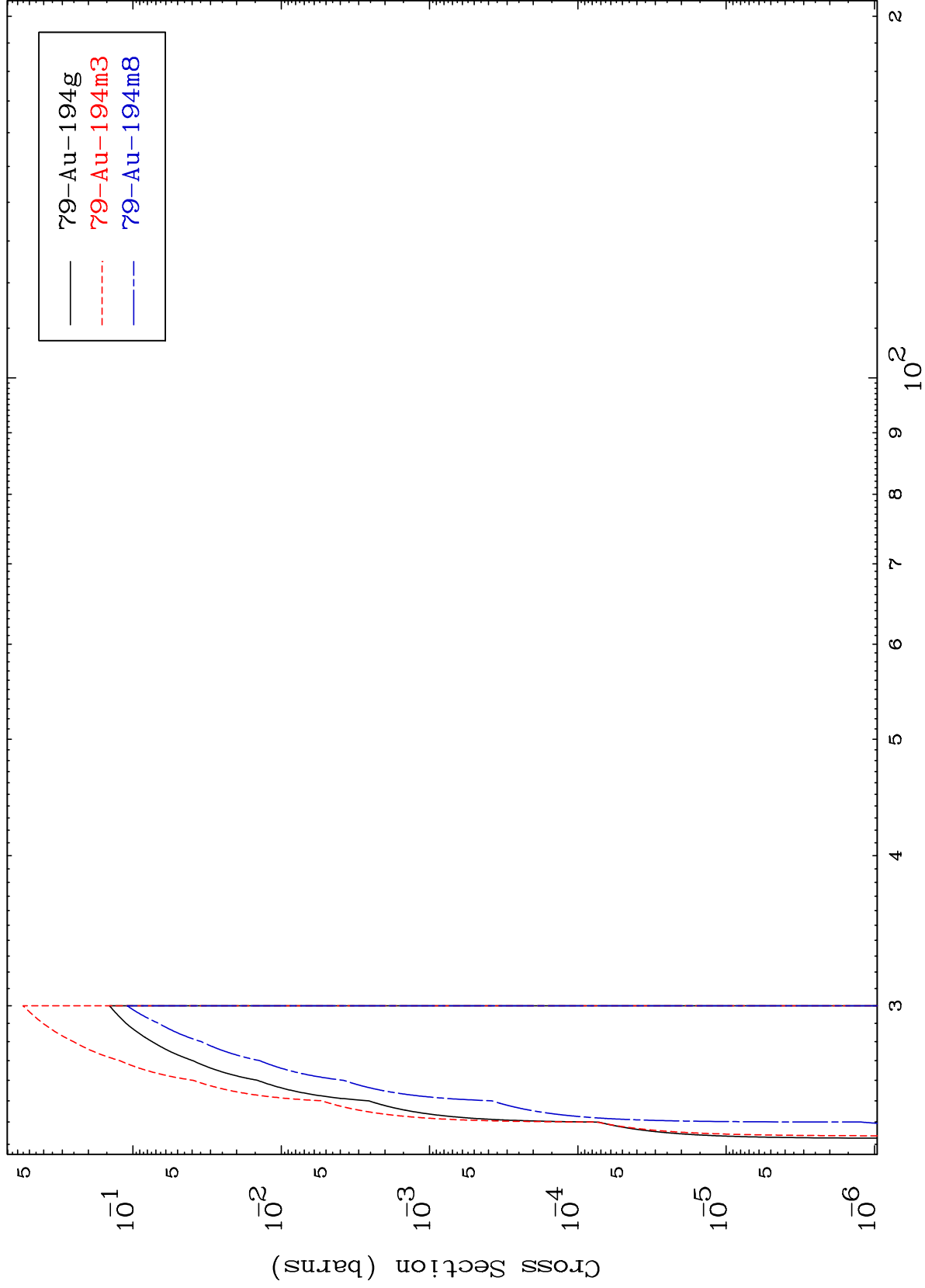
147

Incident Energy (MeV)

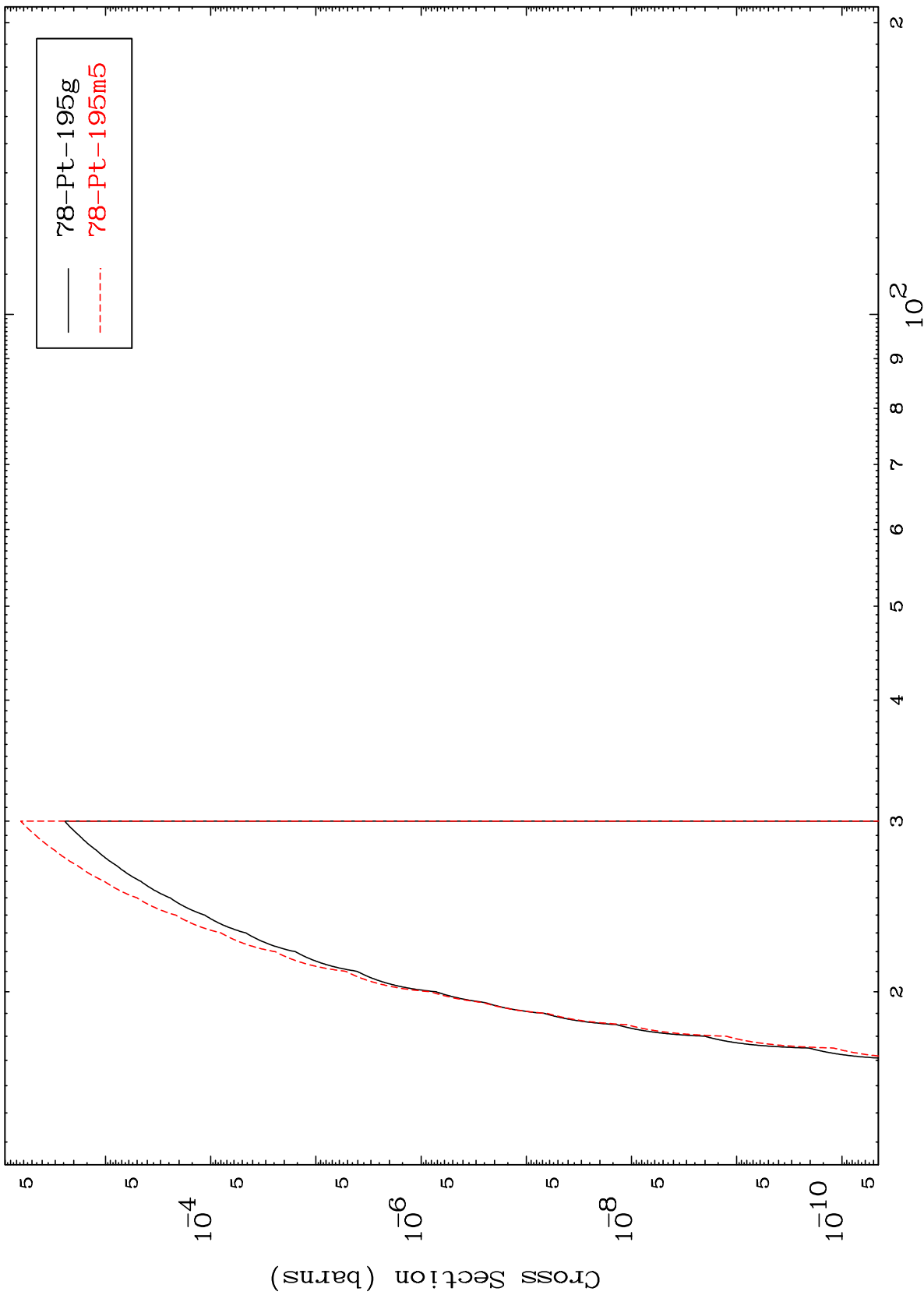
79-Au-197



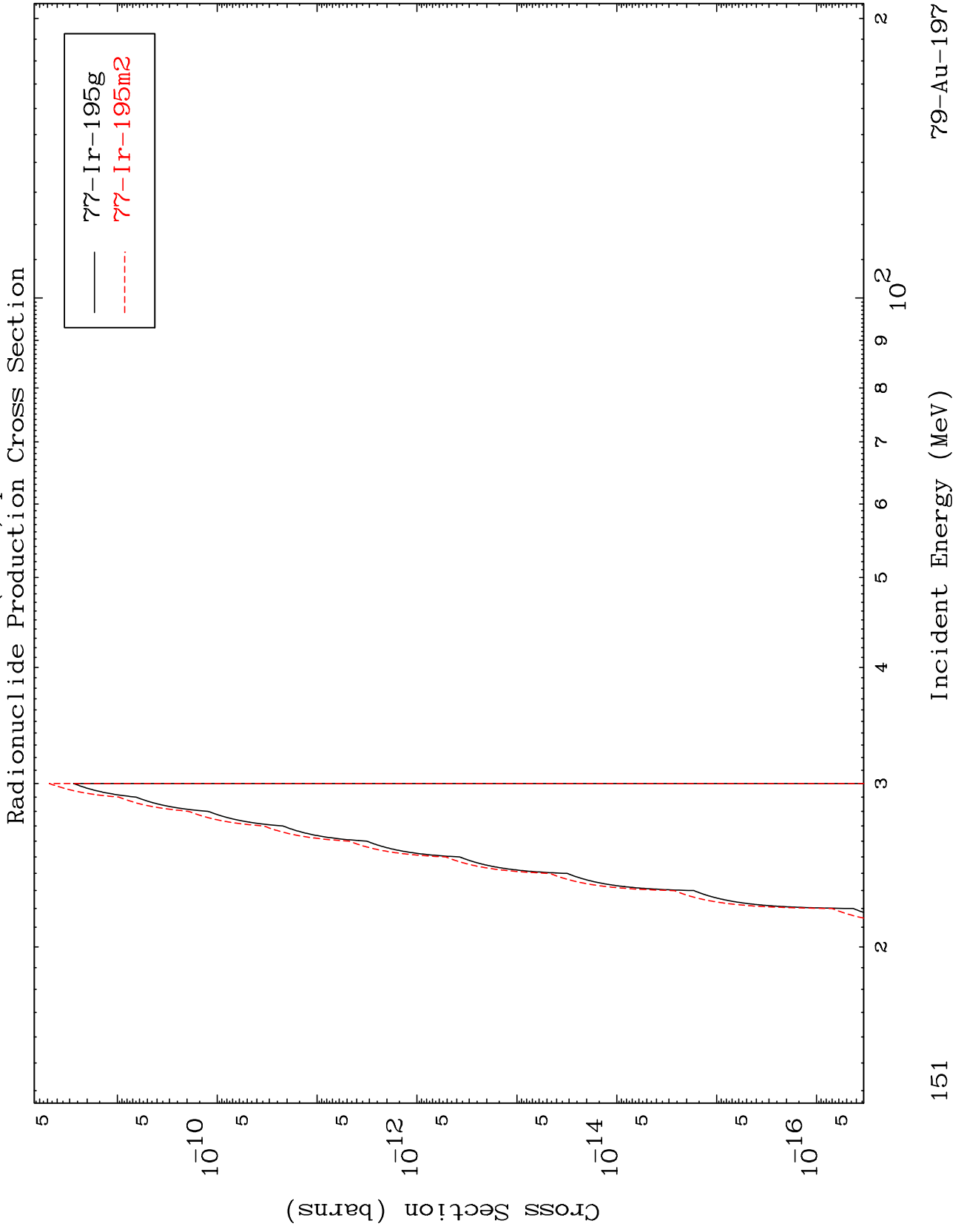
Radionuclide Production Cross Section



Radionuclide Production Cross Section



78-Pt-195g
78-Pt-195m5

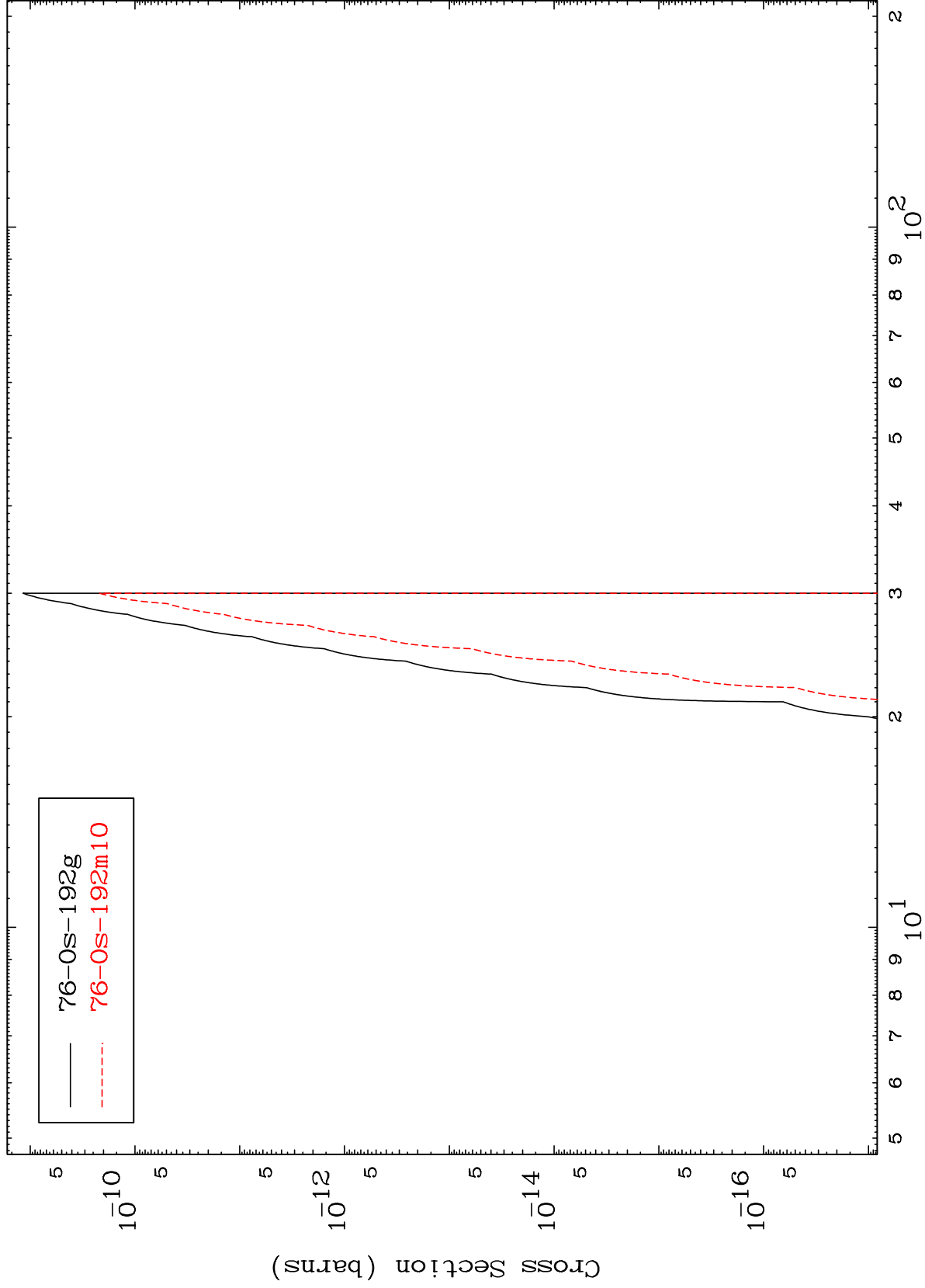


MAT 7925

(n,n') p α

79-Au-197

Radionuclide Production Cross Section



152

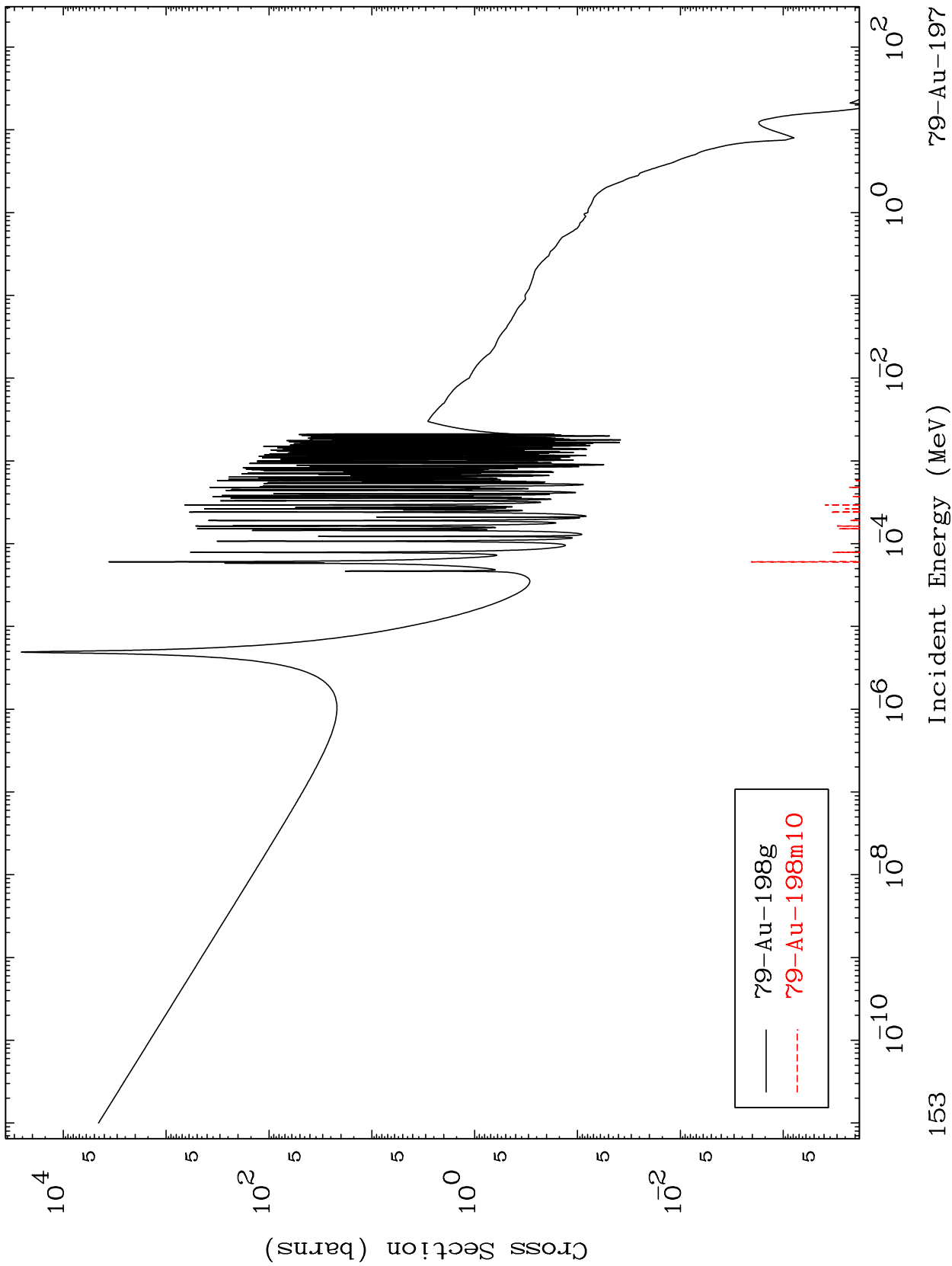
Incident Energy (MeV)

79-Au-197

MAT 7925

79-Au-197

(n,γ)
Radionuclide Production Cross Section



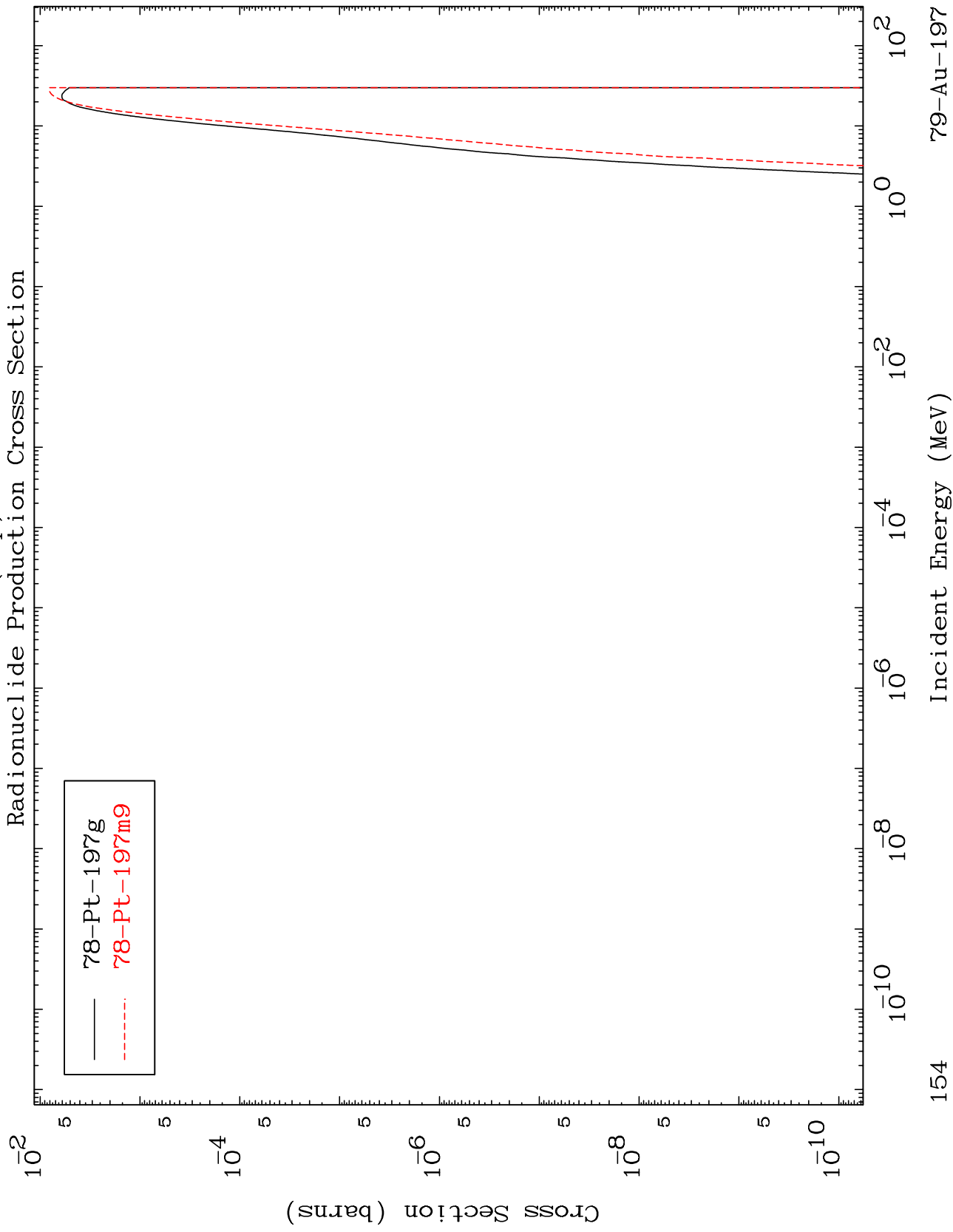
153

79-Au-197

MAT 7925

79-Au-197

Radionuclide Production Cross Section

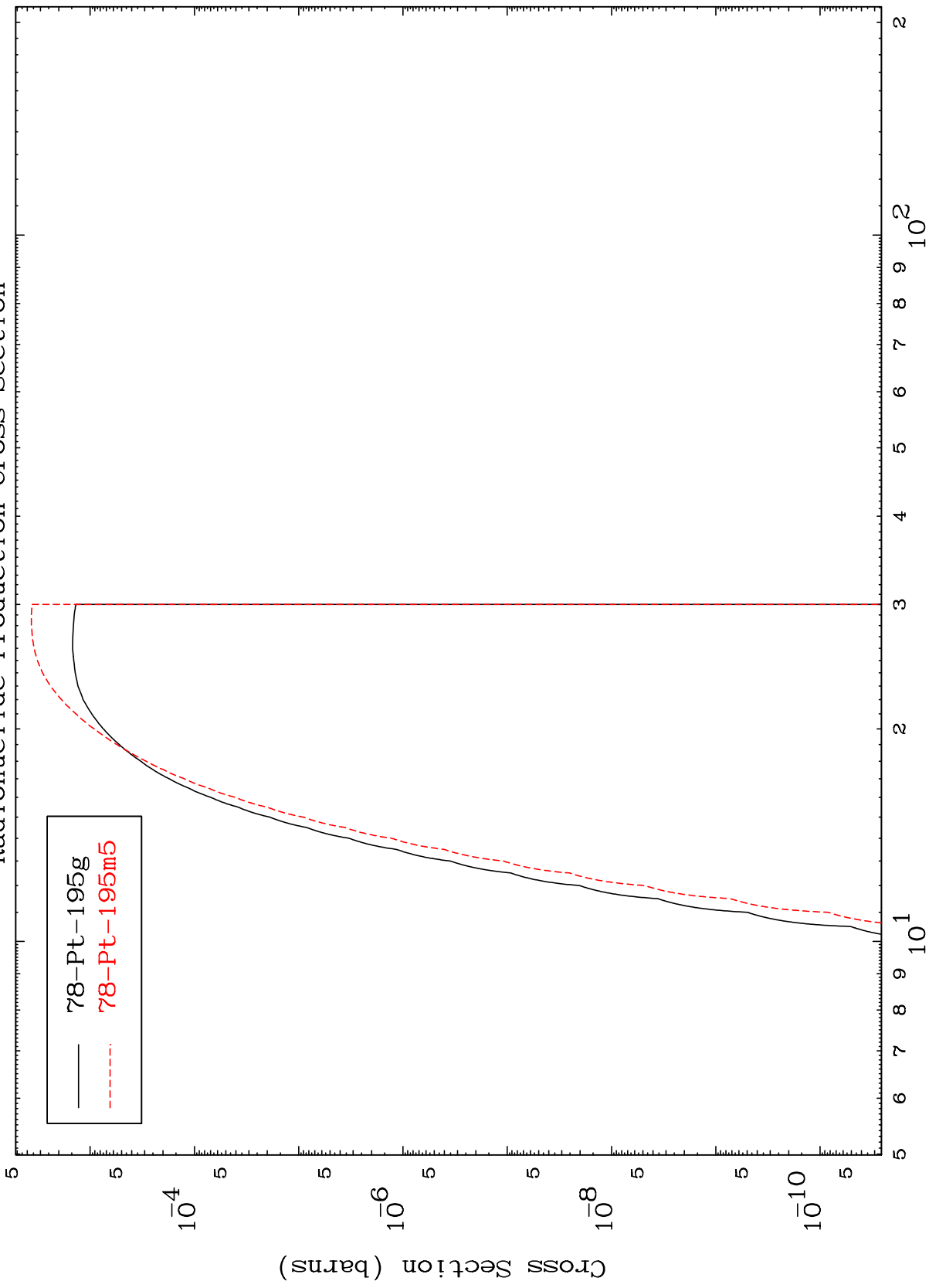


— 78-Pt-197g
- - - 78-Pt-197m9

MAT 7925

79-Au-197

Radionuclide Production Cross Section

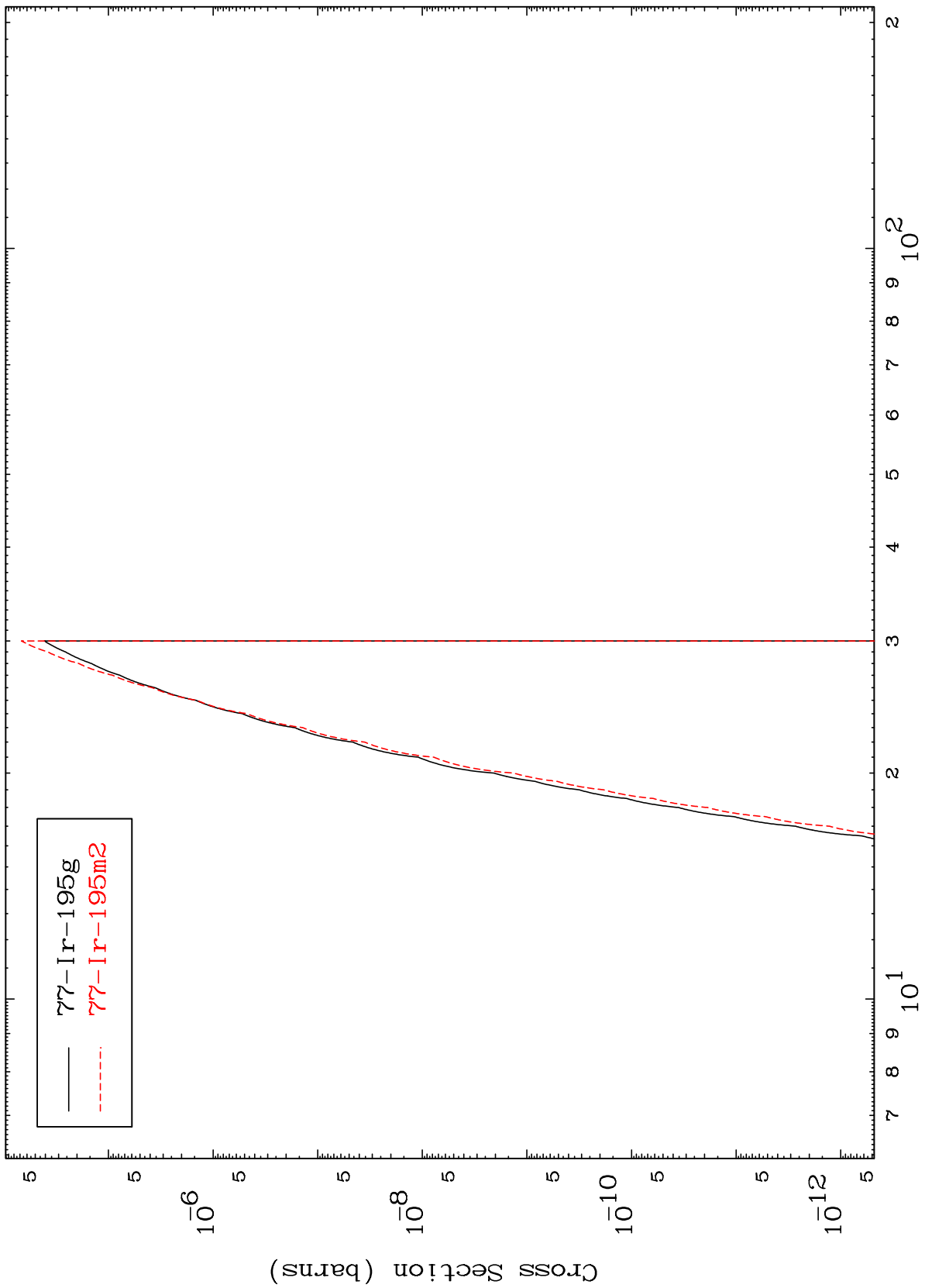


155

Incident Energy (MeV)

79-Au-197

Radionuclide Production Cross Section
(n,He-3)

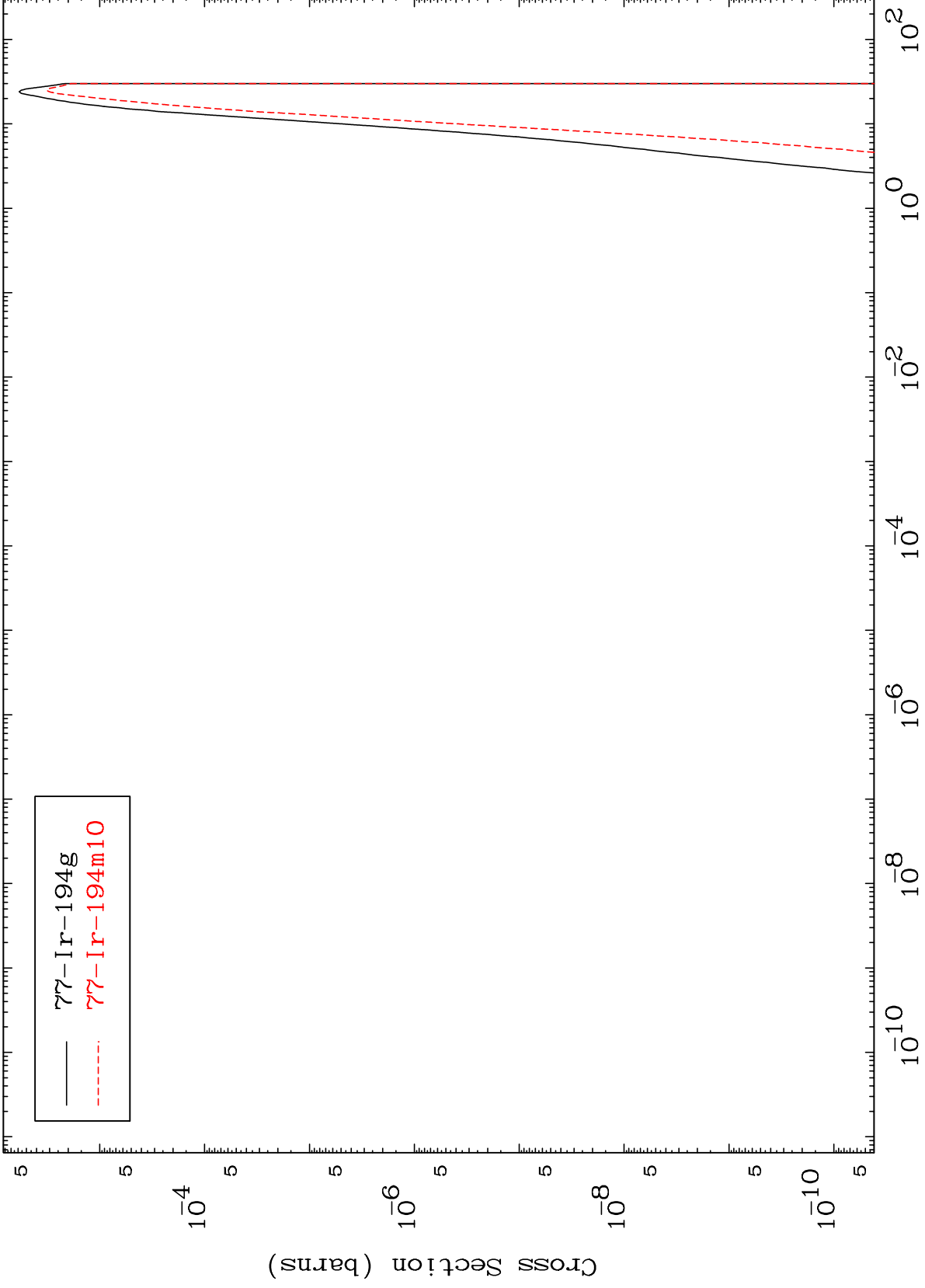


MAT 7925

(n, α)

⁷⁹Au-197

Radionuclide Production Cross Section

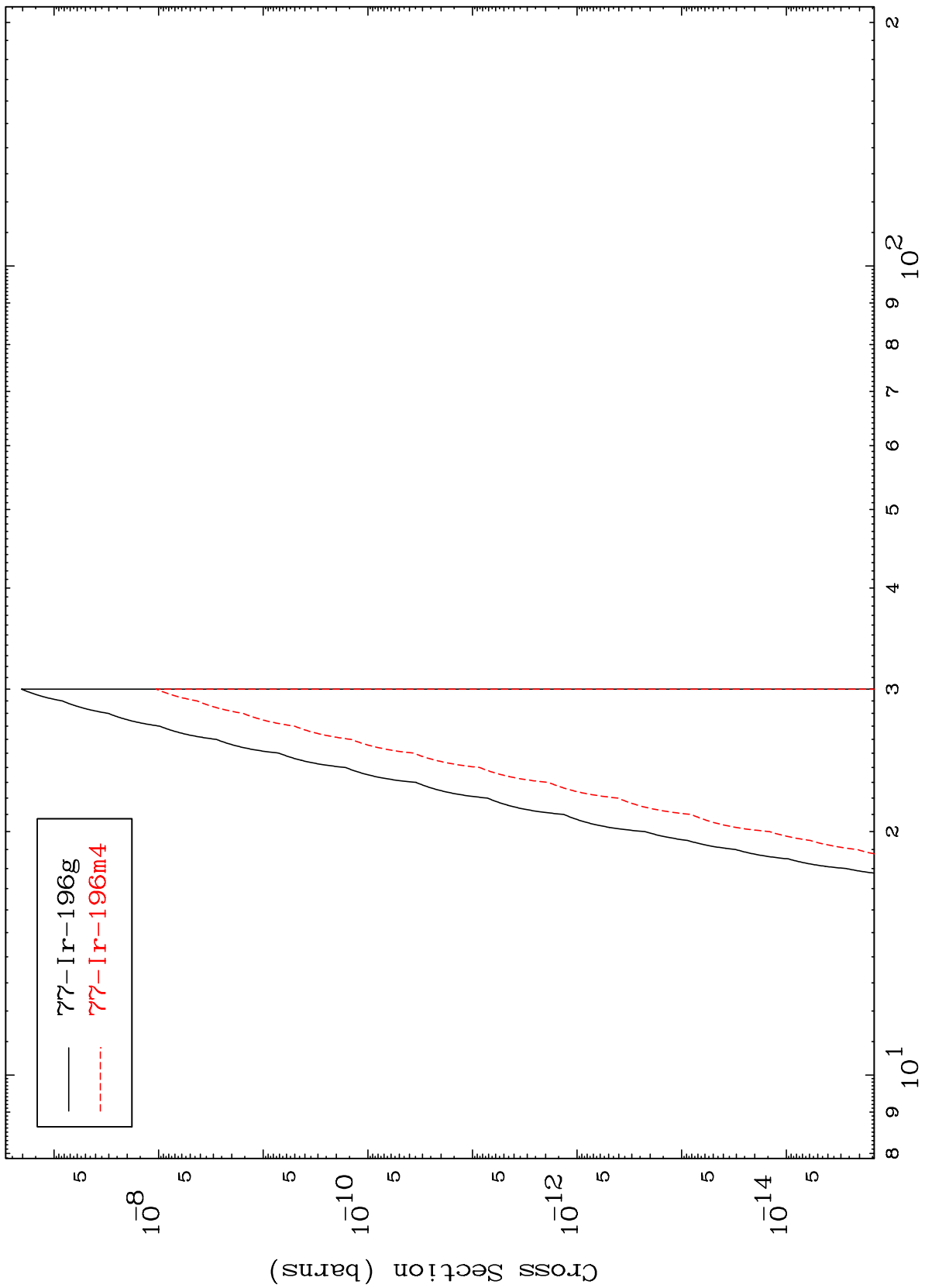


— ⁷⁷Ir-194g
- - - ⁷⁷Ir-194m10

MAT 7925

79-Au-197

(n,2p)
Radionuclide Production Cross Section



158

Incident Energy (MeV)

79-Au-197