

Program EVALPLOT
(Version 2015-2)

by

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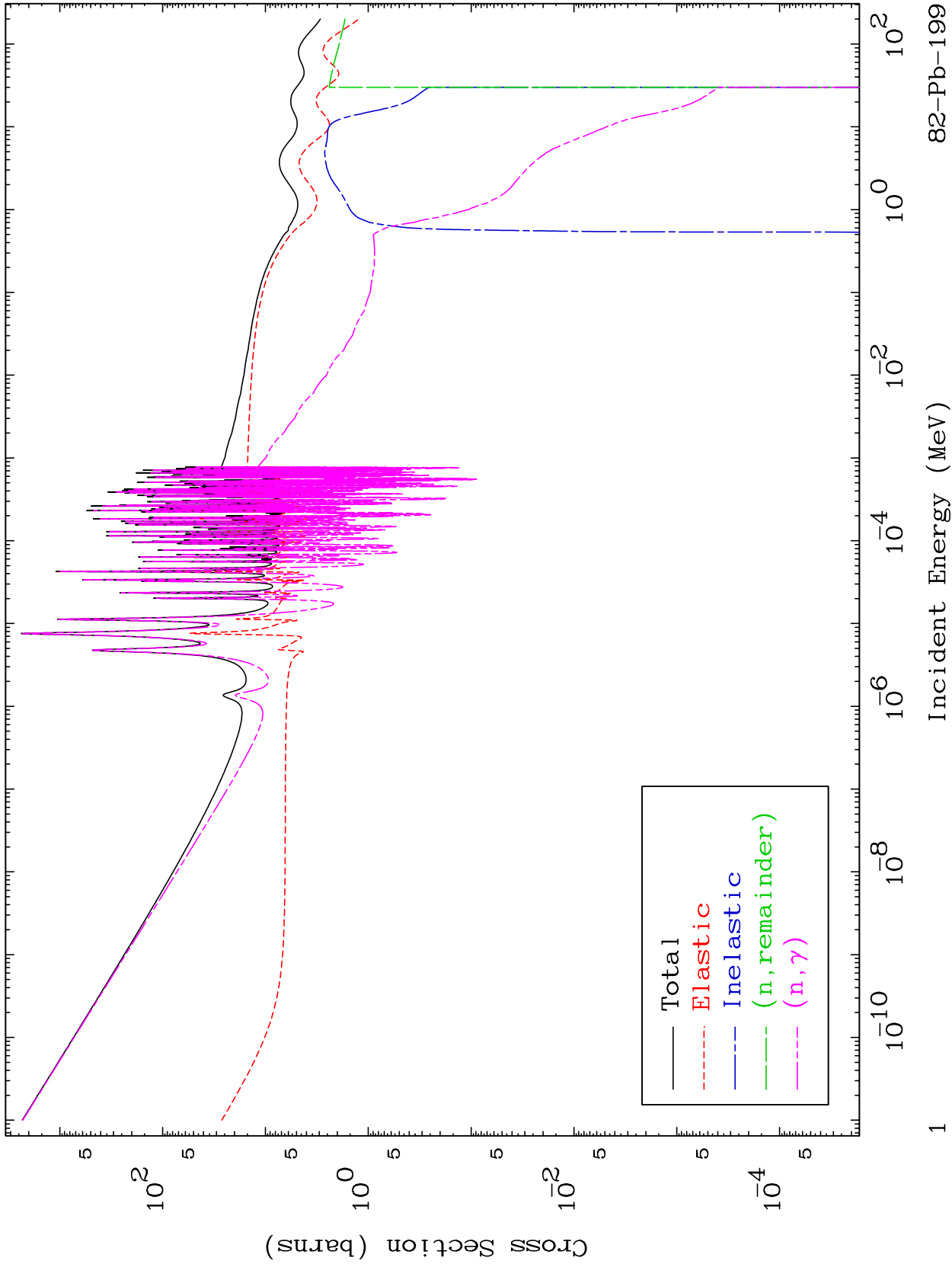
Press Mouse Button to Start

MAT 8210

Major

293 Kelvin Cross Sections

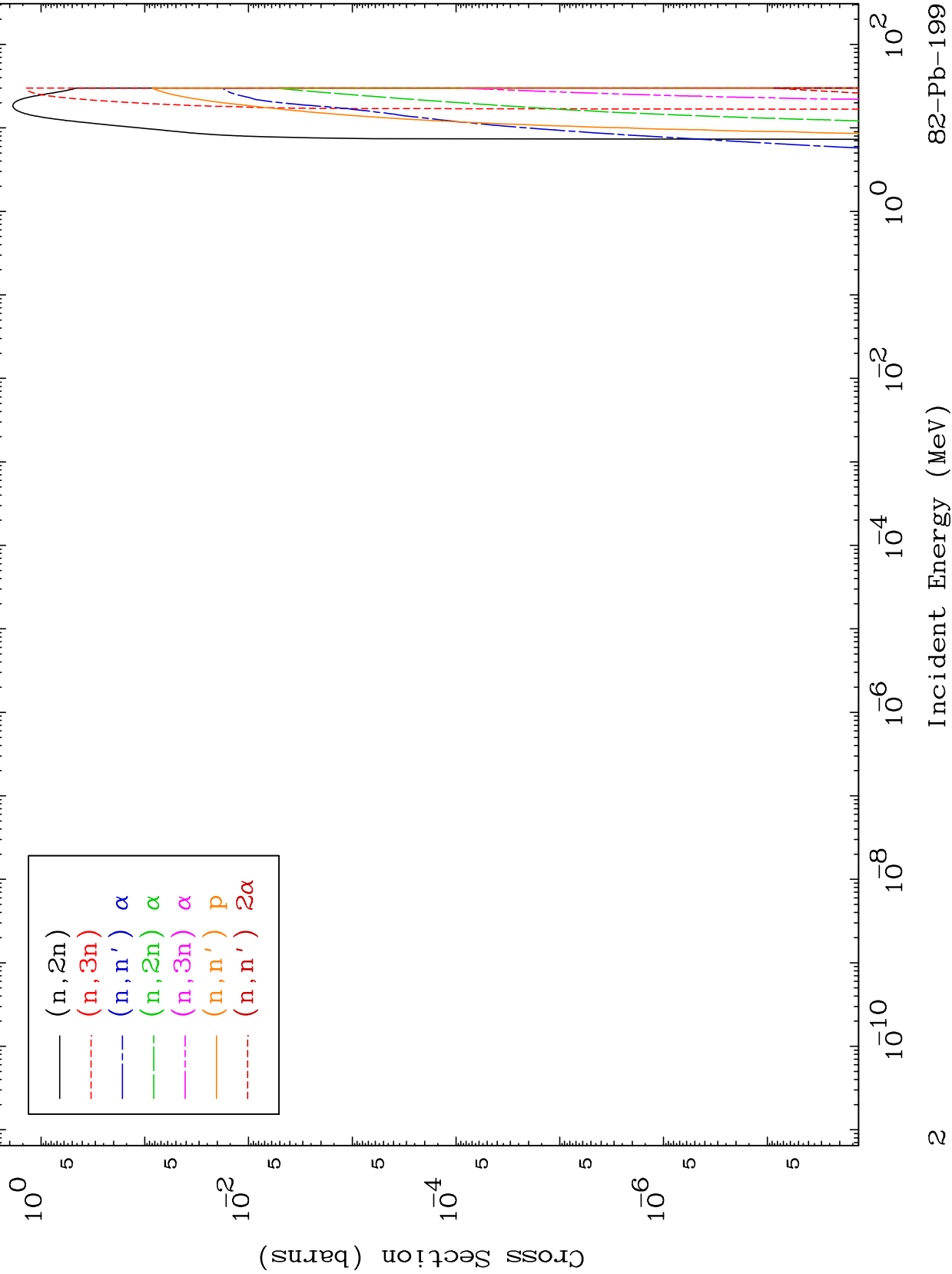
82-Pb-199



MAT 8210

Neutron Production
293 Kelvin Cross Sections

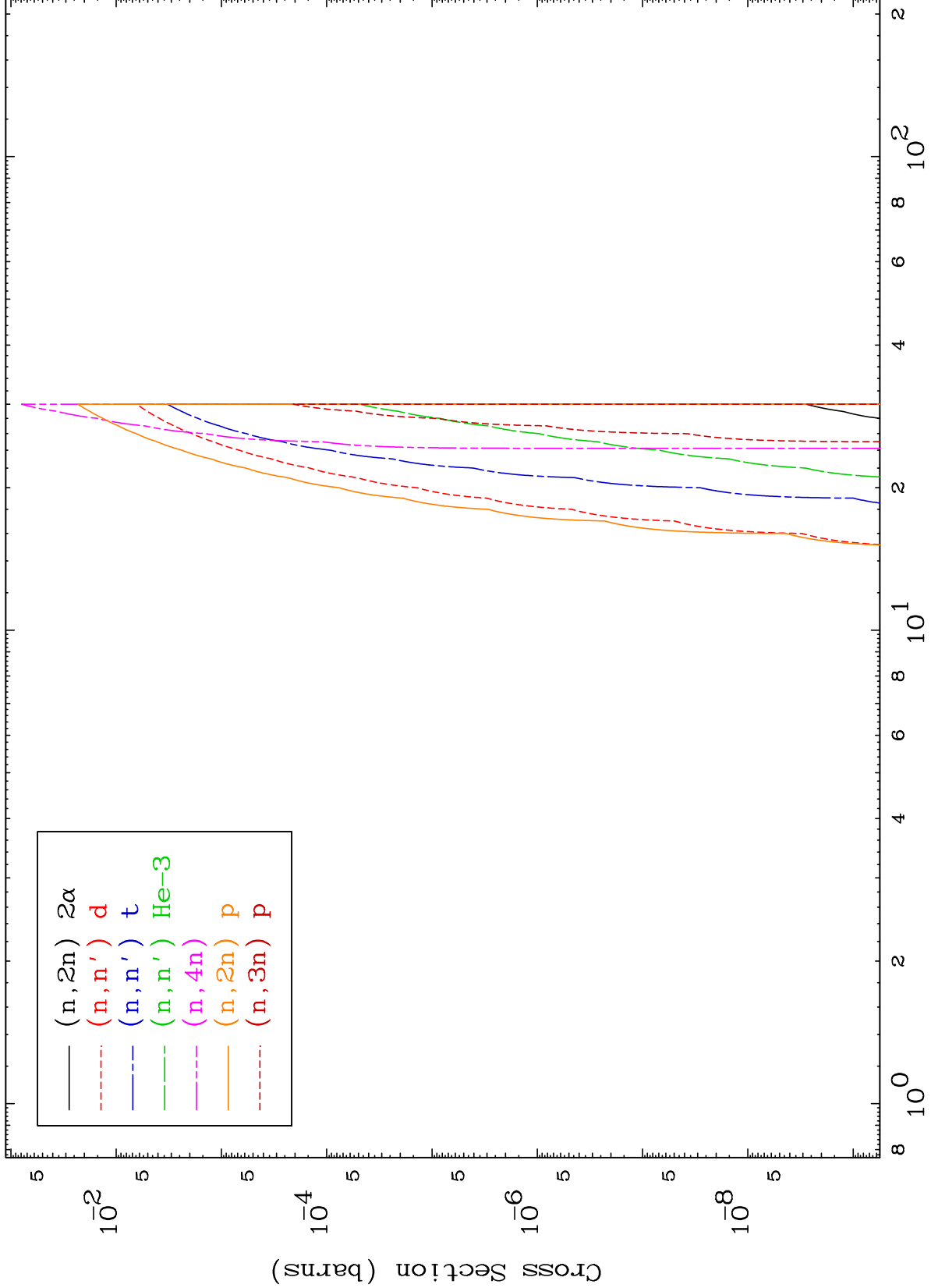
82-Pb-199



MAT 8210

Neutron Production
293 Kelvin Cross Sections

82-Pb-199



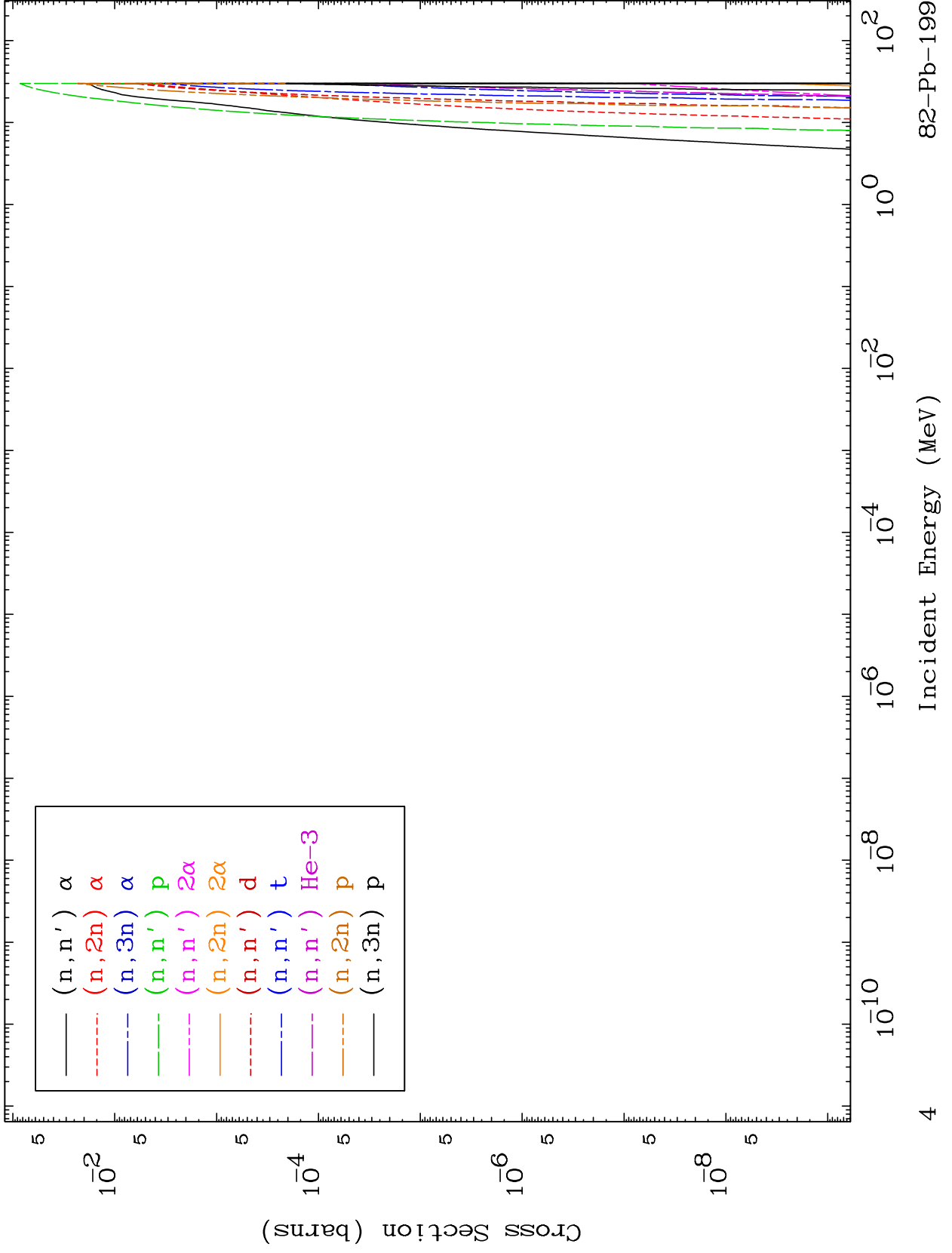
Incident Energy (MeV)

82-Pb-199

MAT 8210

Charged Particle
293 Kelvin Cross Sections

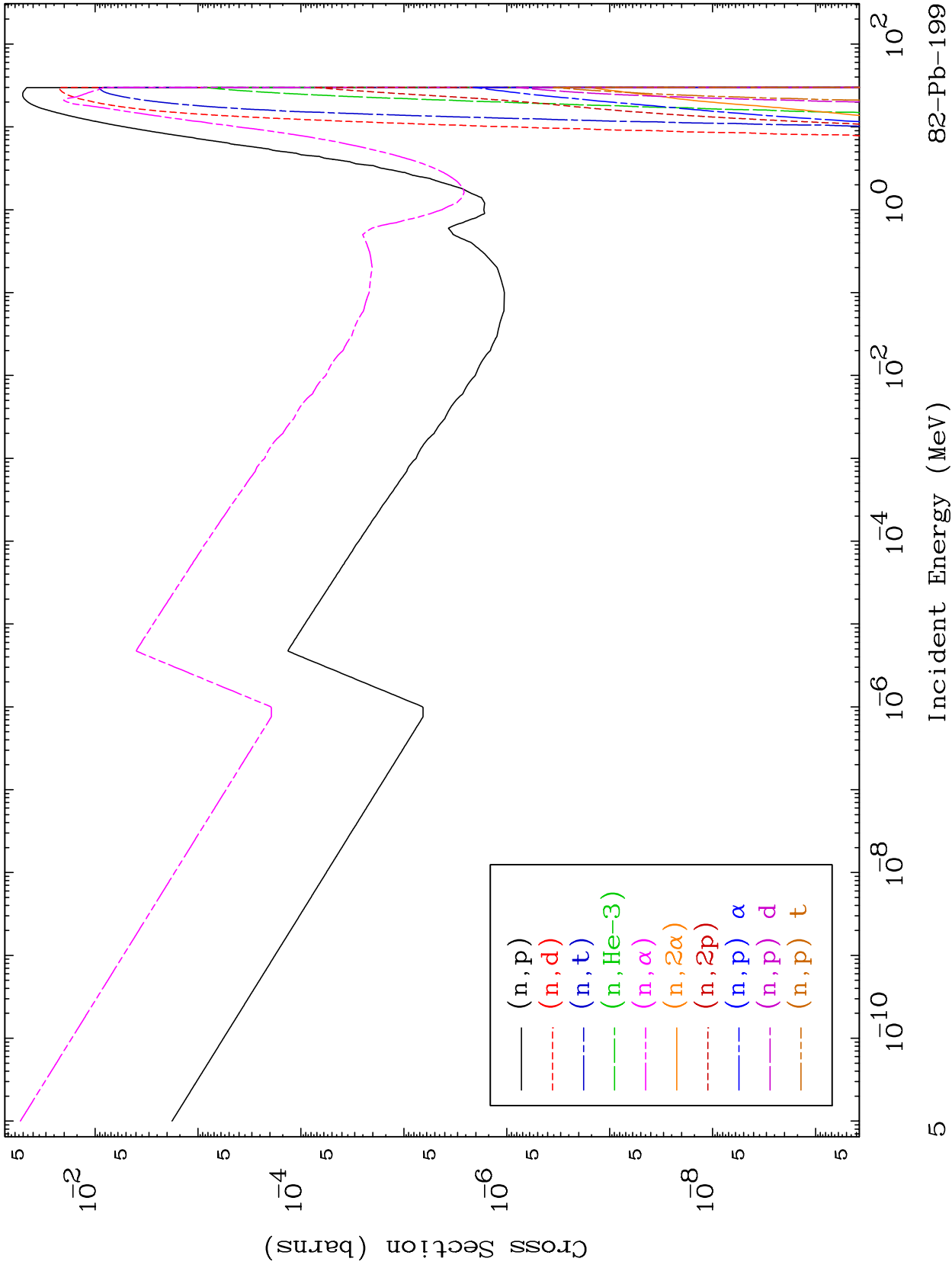
82-Pb-199



MAT 8210

Charged Particle
293 Kelvin Cross Sections

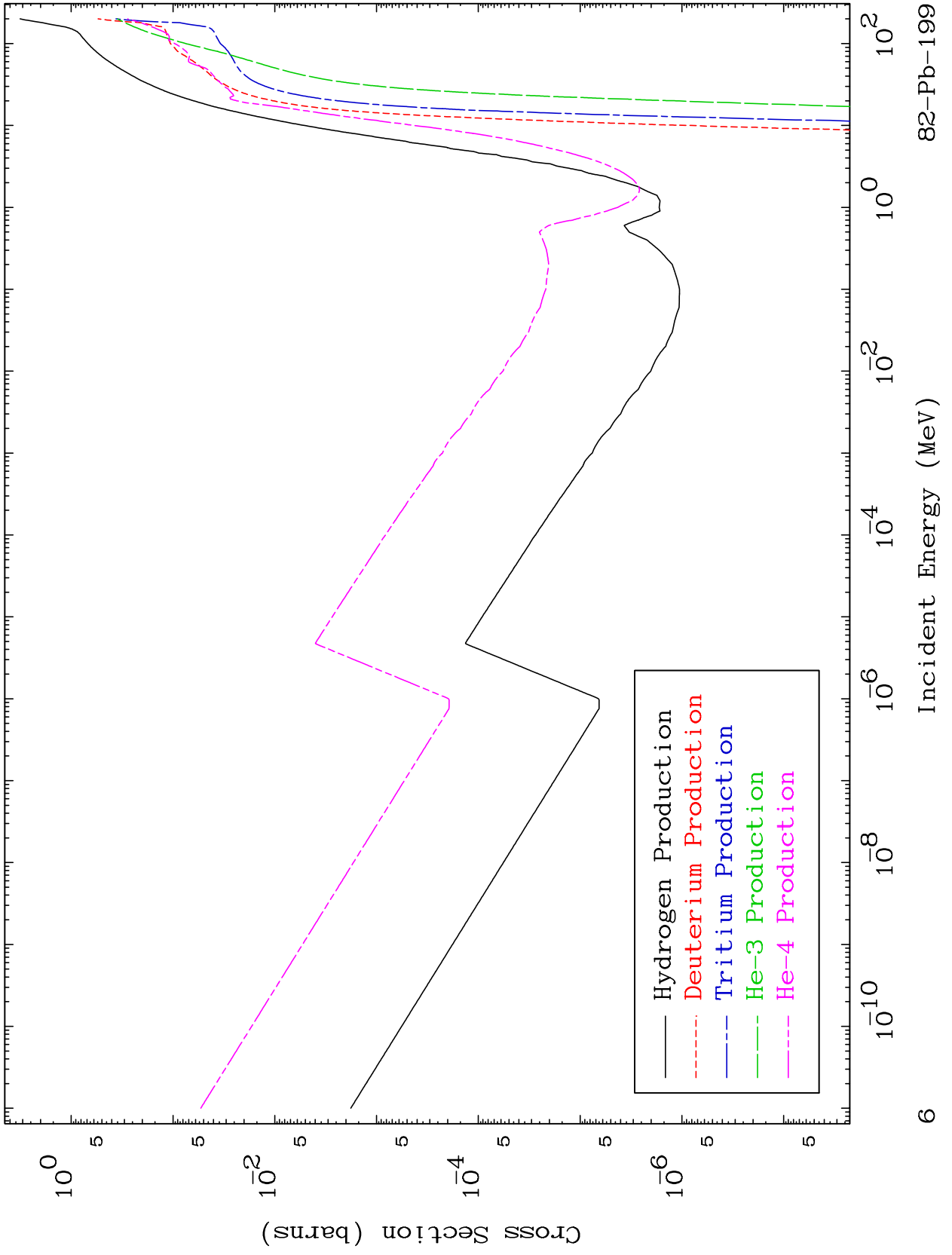
82-Pb-199



MAT 8210

Particle Production
293 Kelvin Cross Sections

82-Pb-199

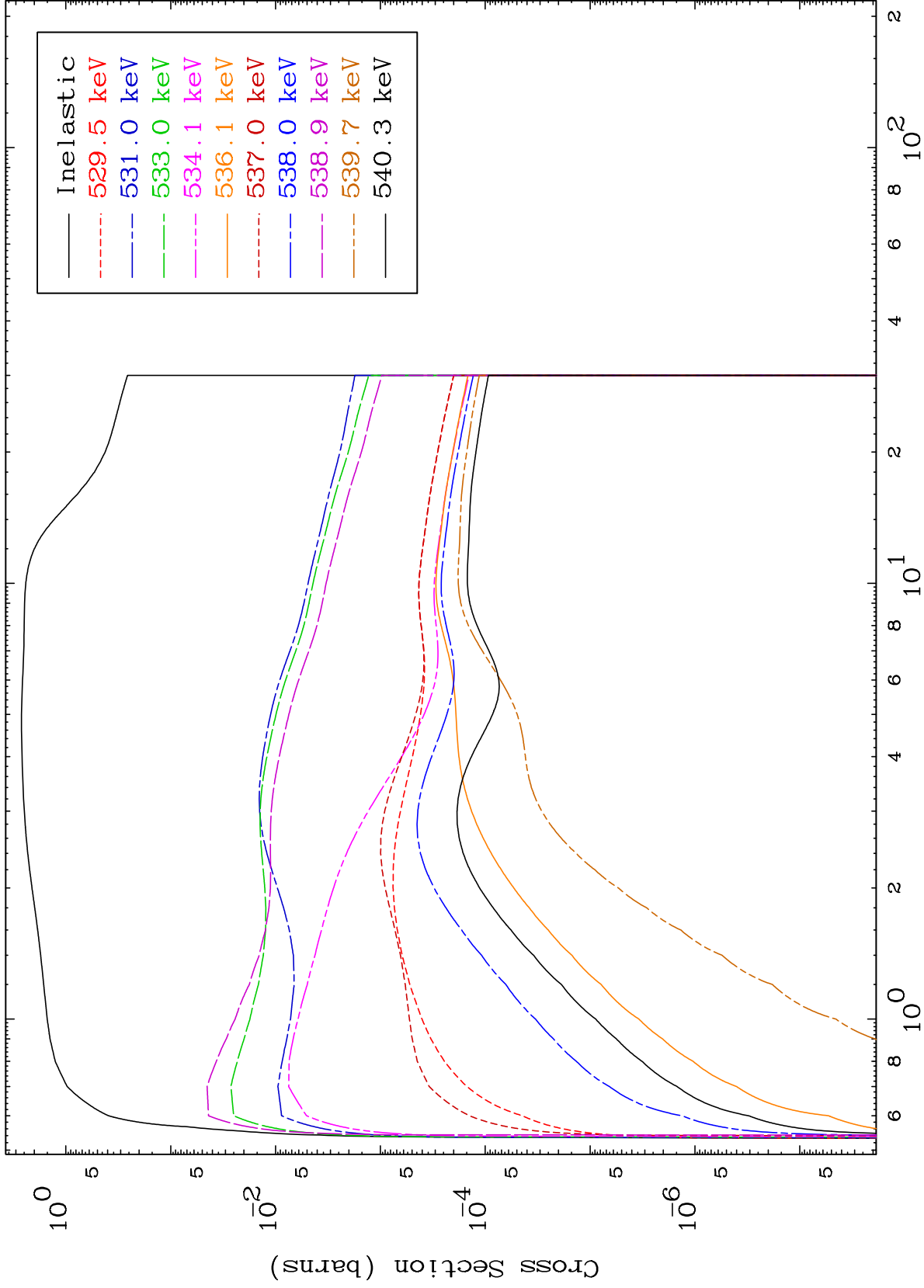


MAT 8210

(n,n') Level

82-Pb-199

293 Kelvin Cross Sections



7

Incident Energy (MeV)

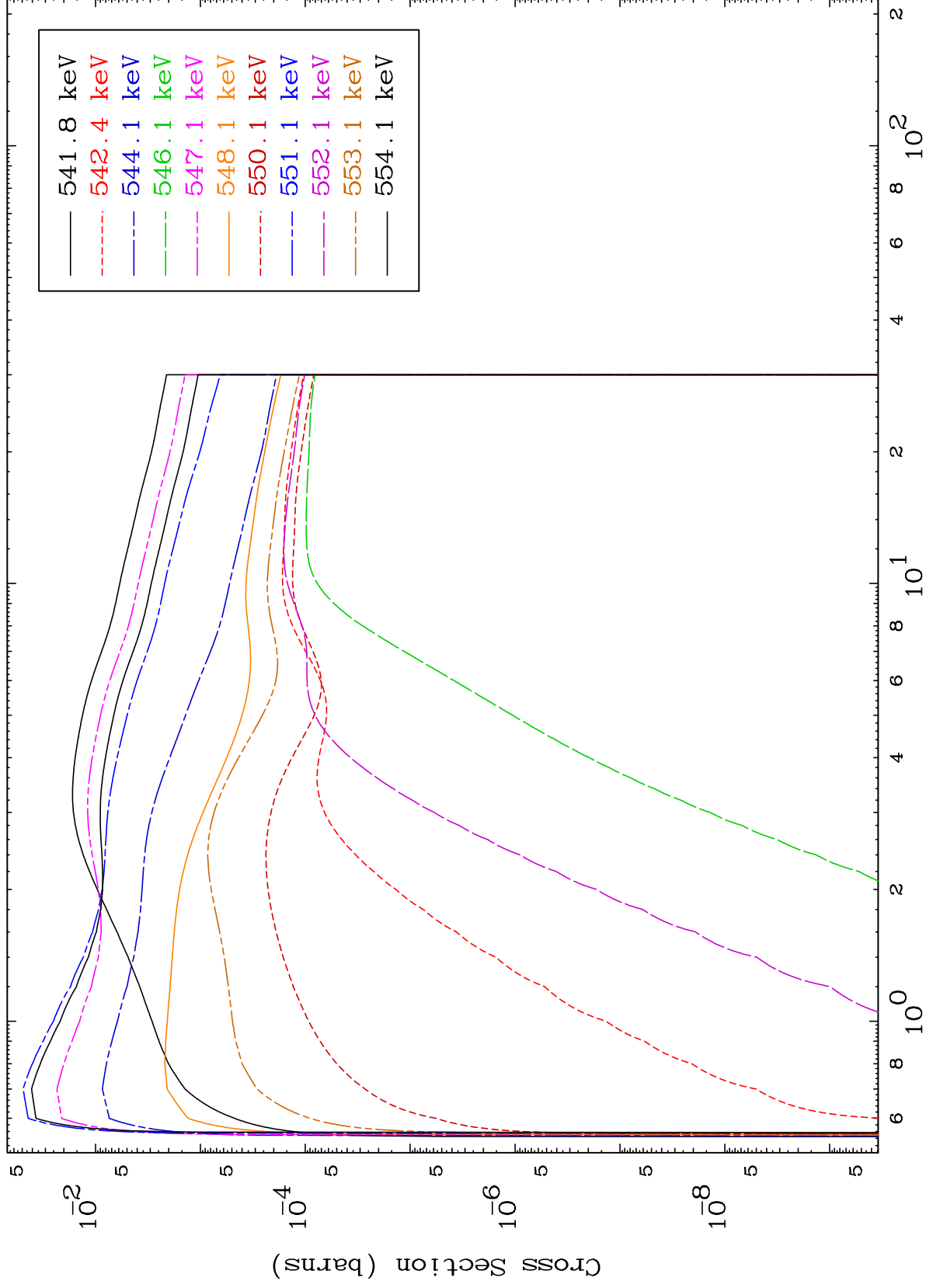
82-Pb-199

MAT 8210

(n,n') Level

82-Pb-199

293 Kelvin Cross Sections



8

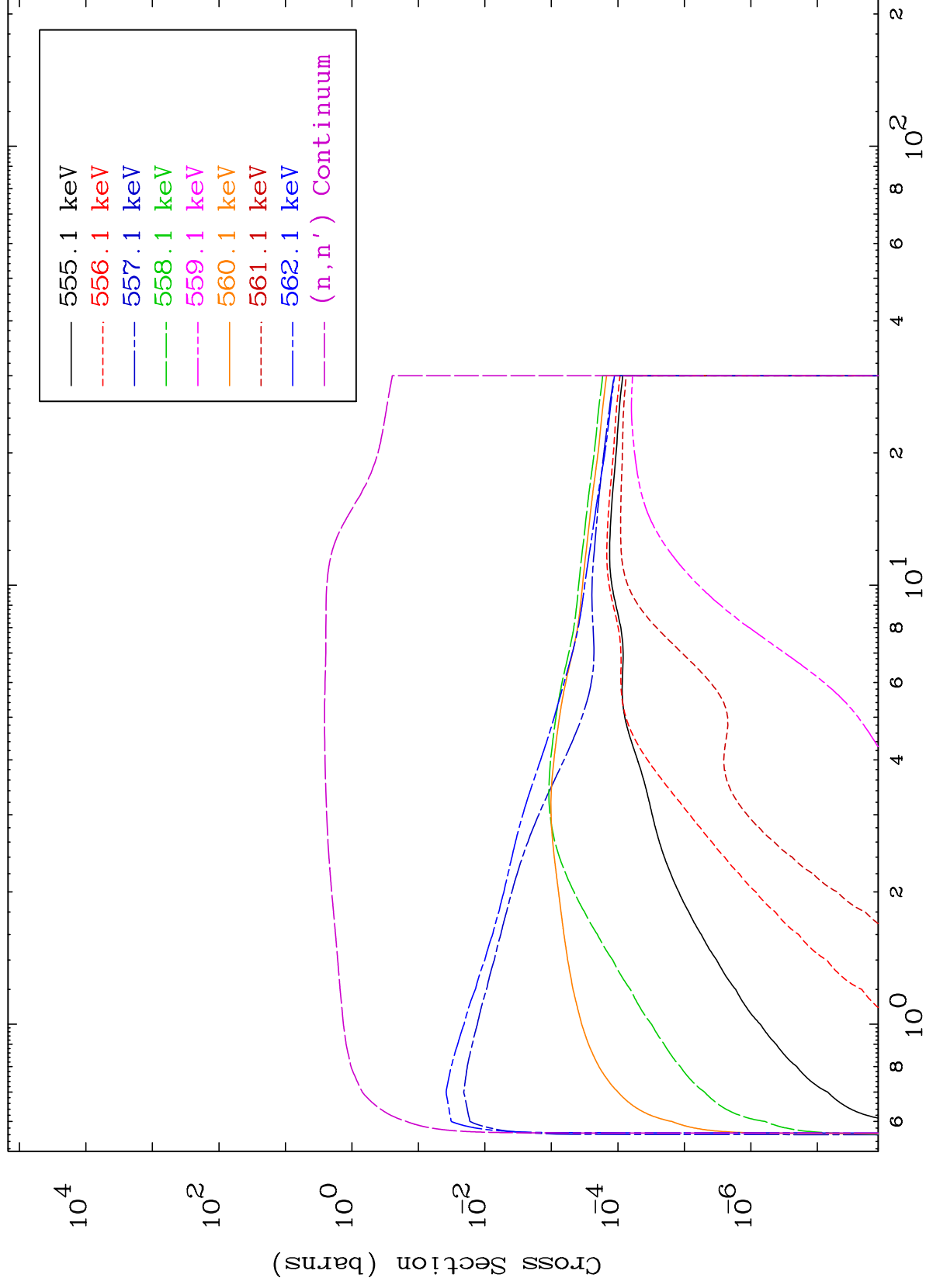
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,n') Level
293 Kelvin Cross Sections

82-Pb-199



9

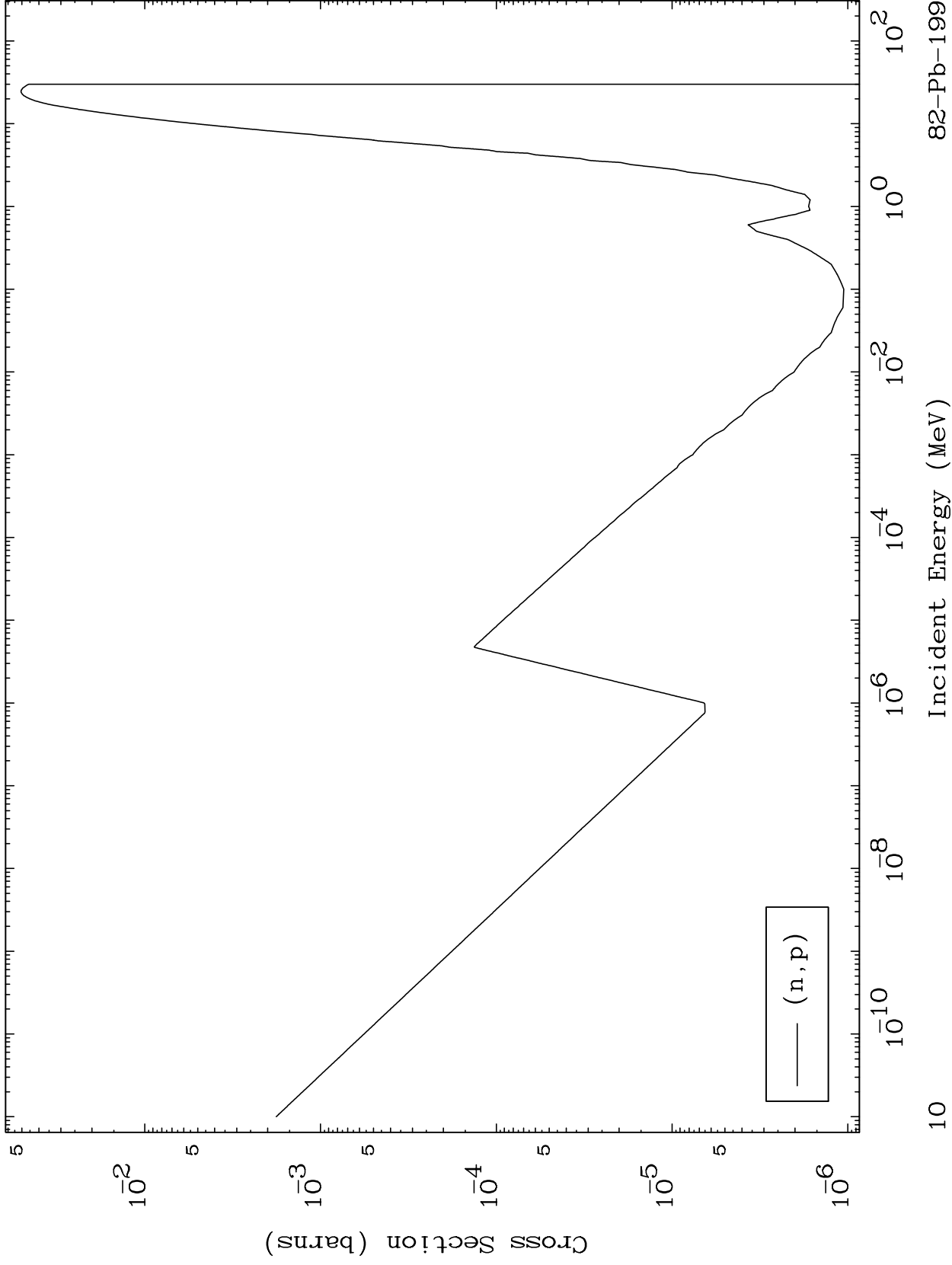
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,p) Levels
293 Kelvin Cross Sections

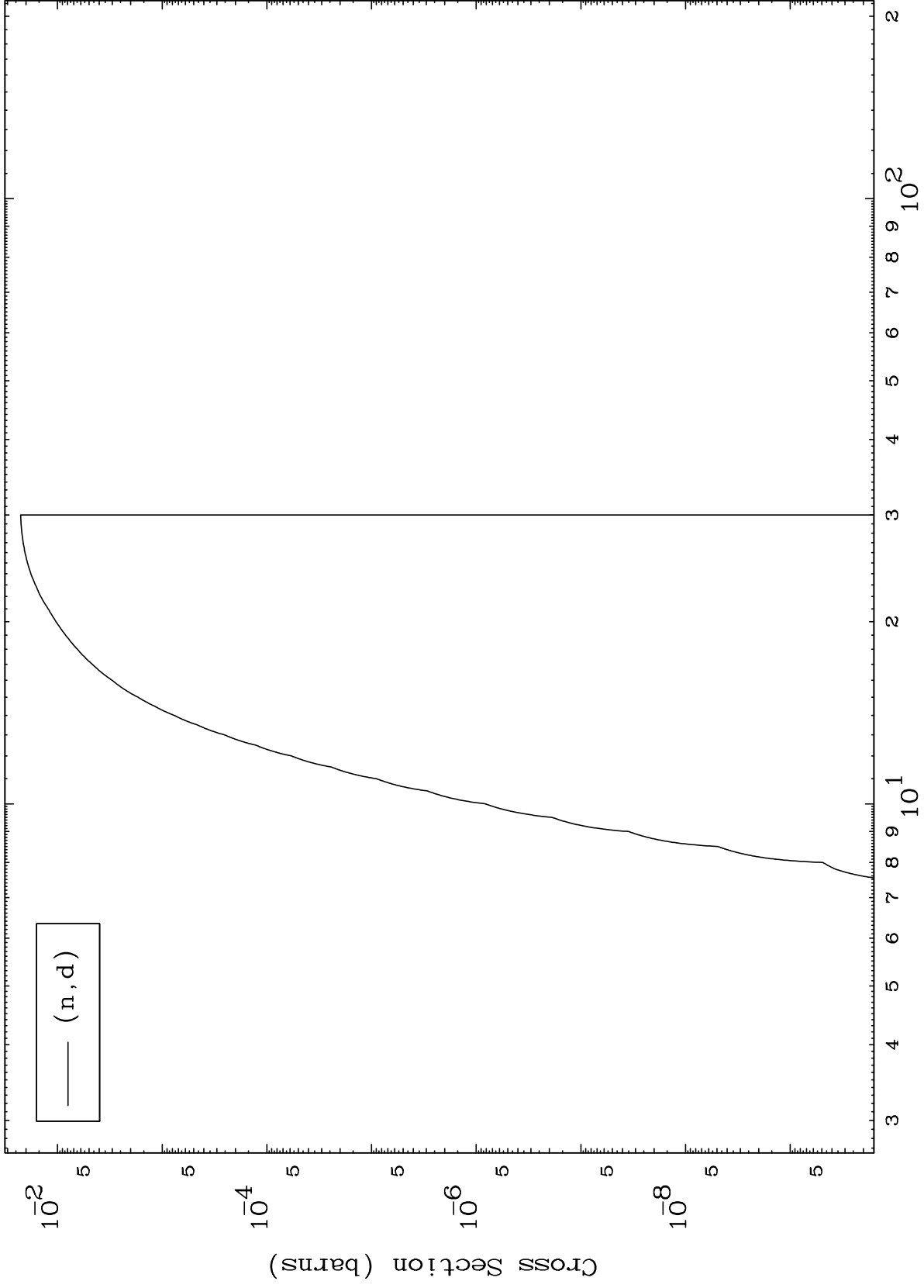
82-Pb-199



MAT 8210

(n,d) Levels
293 Kelvin Cross Sections

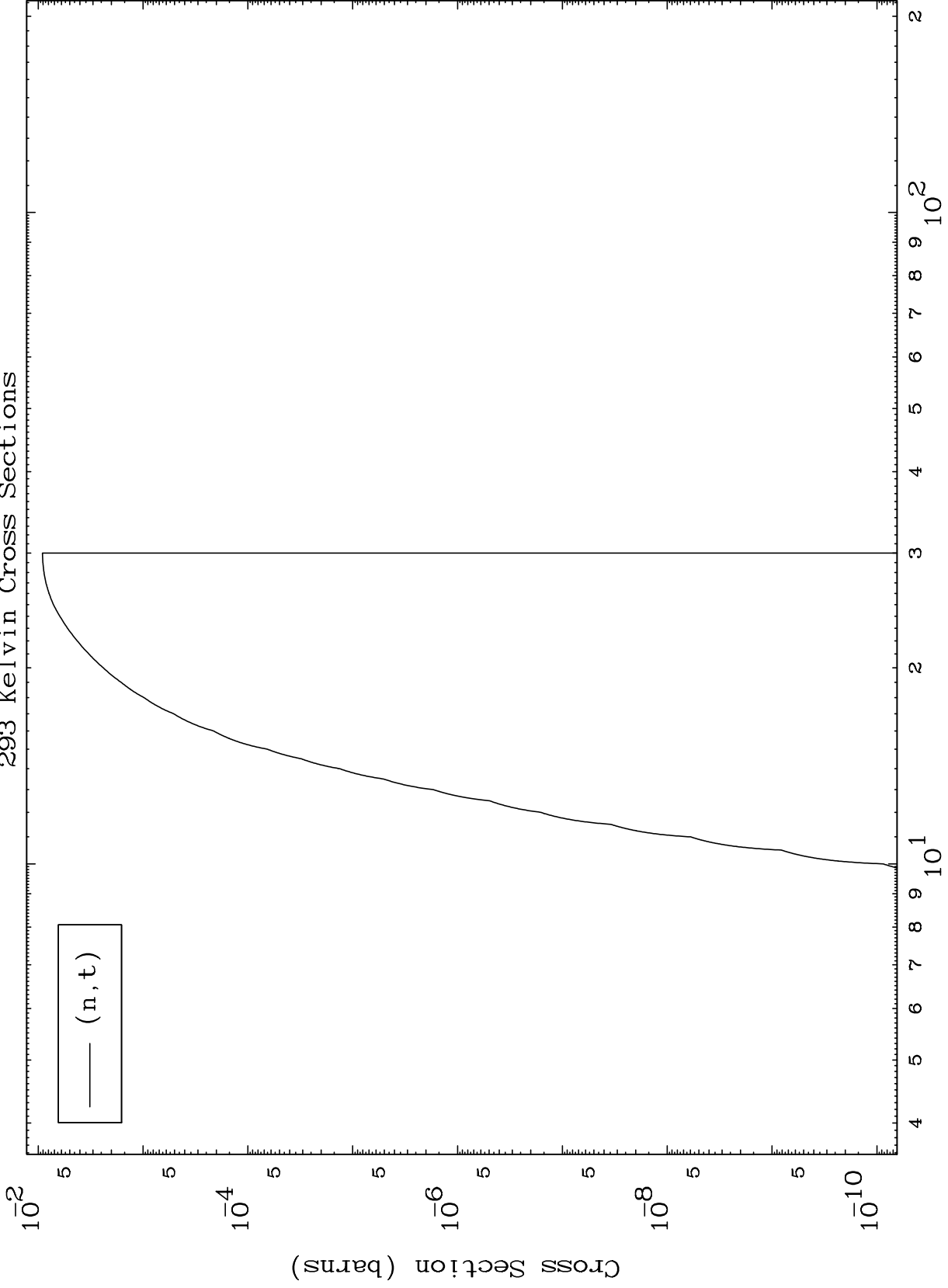
82-Pb-199



MAT 8210

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-199



12

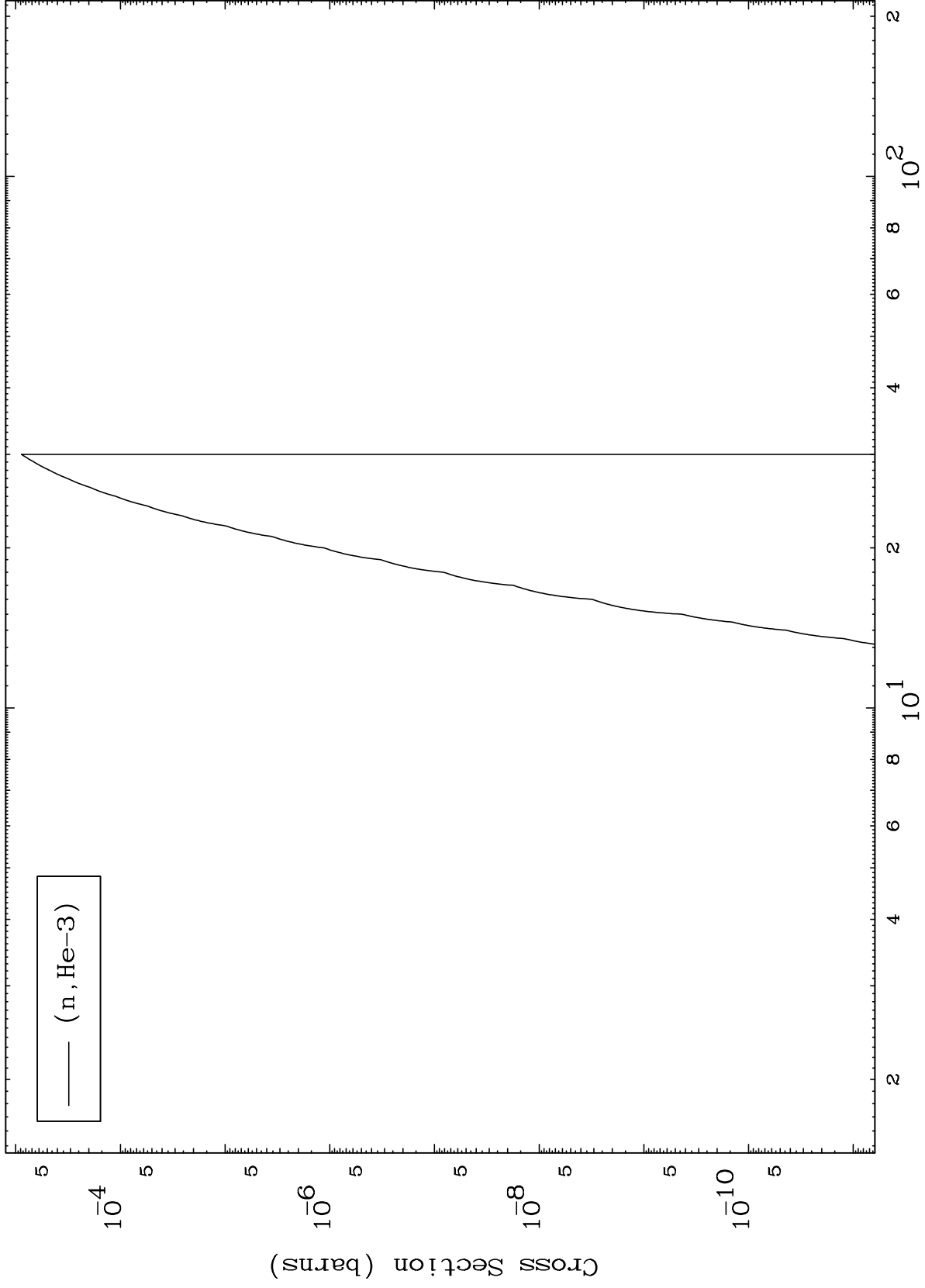
Incident Energy (MeV)

82-Pb-199

MAT 8210

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-199



13

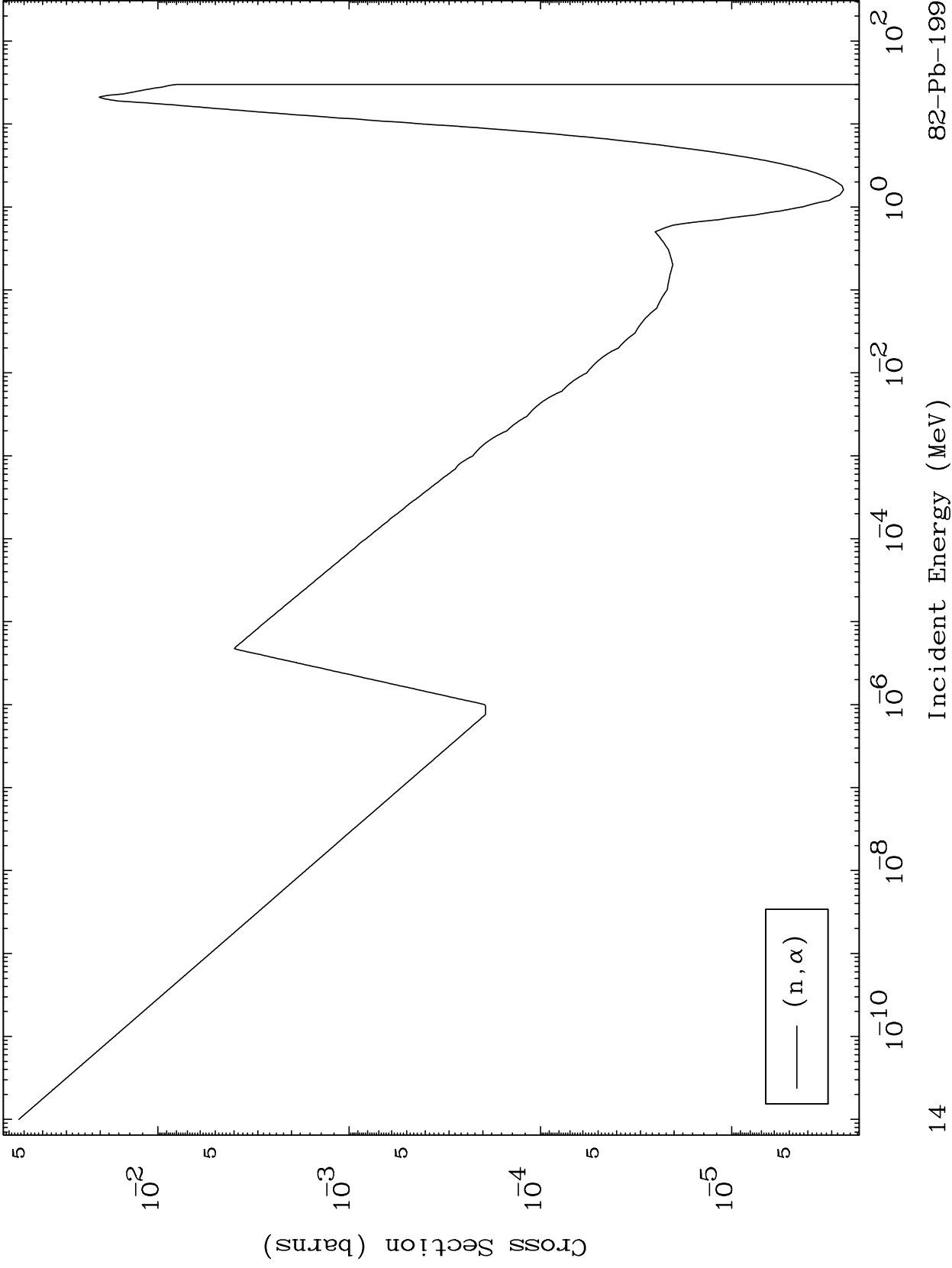
Incident Energy (MeV)

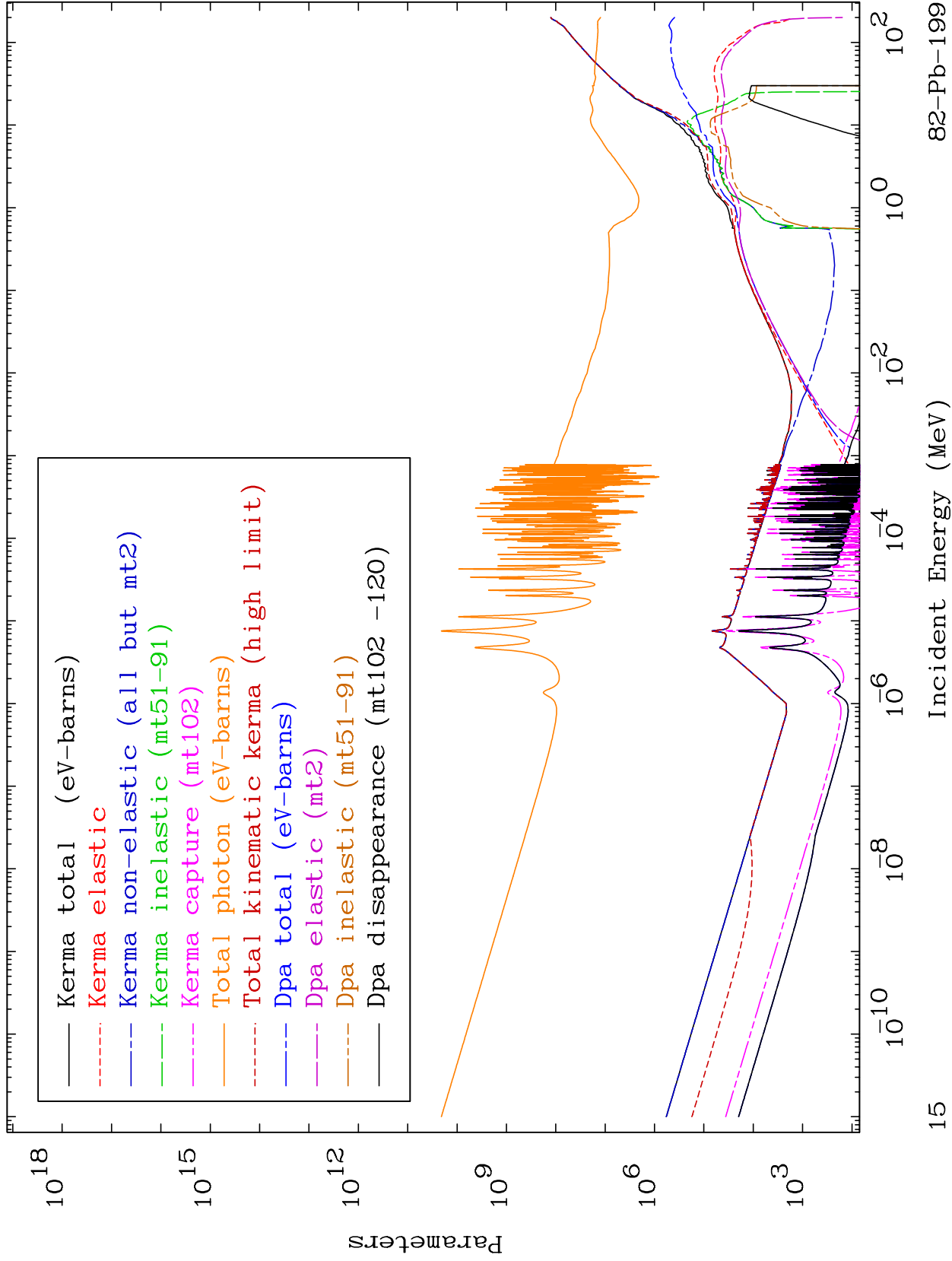
82-Pb-199

MAT 8210

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-199

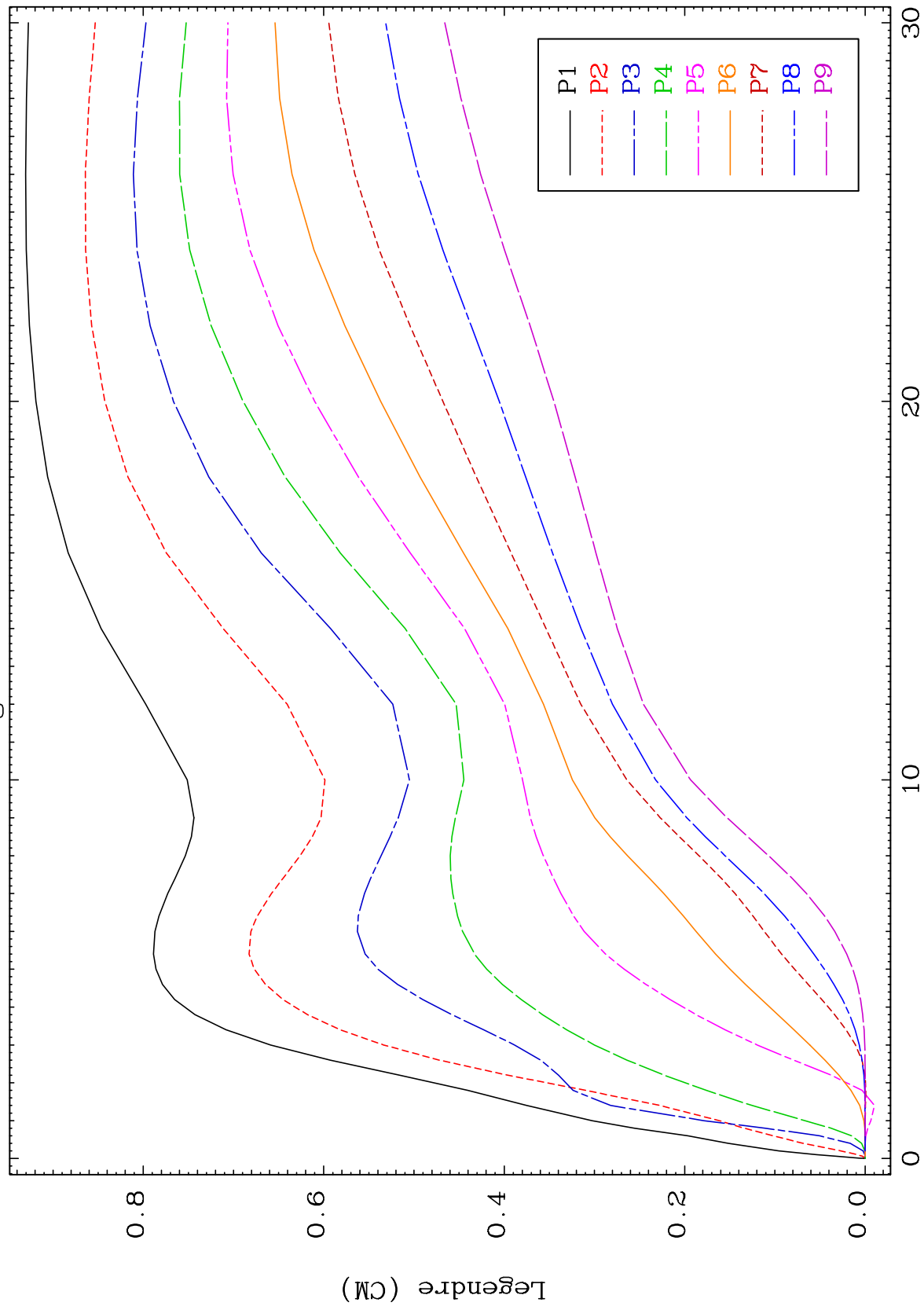




MAT 8210

Elastic Legendre Coefficients

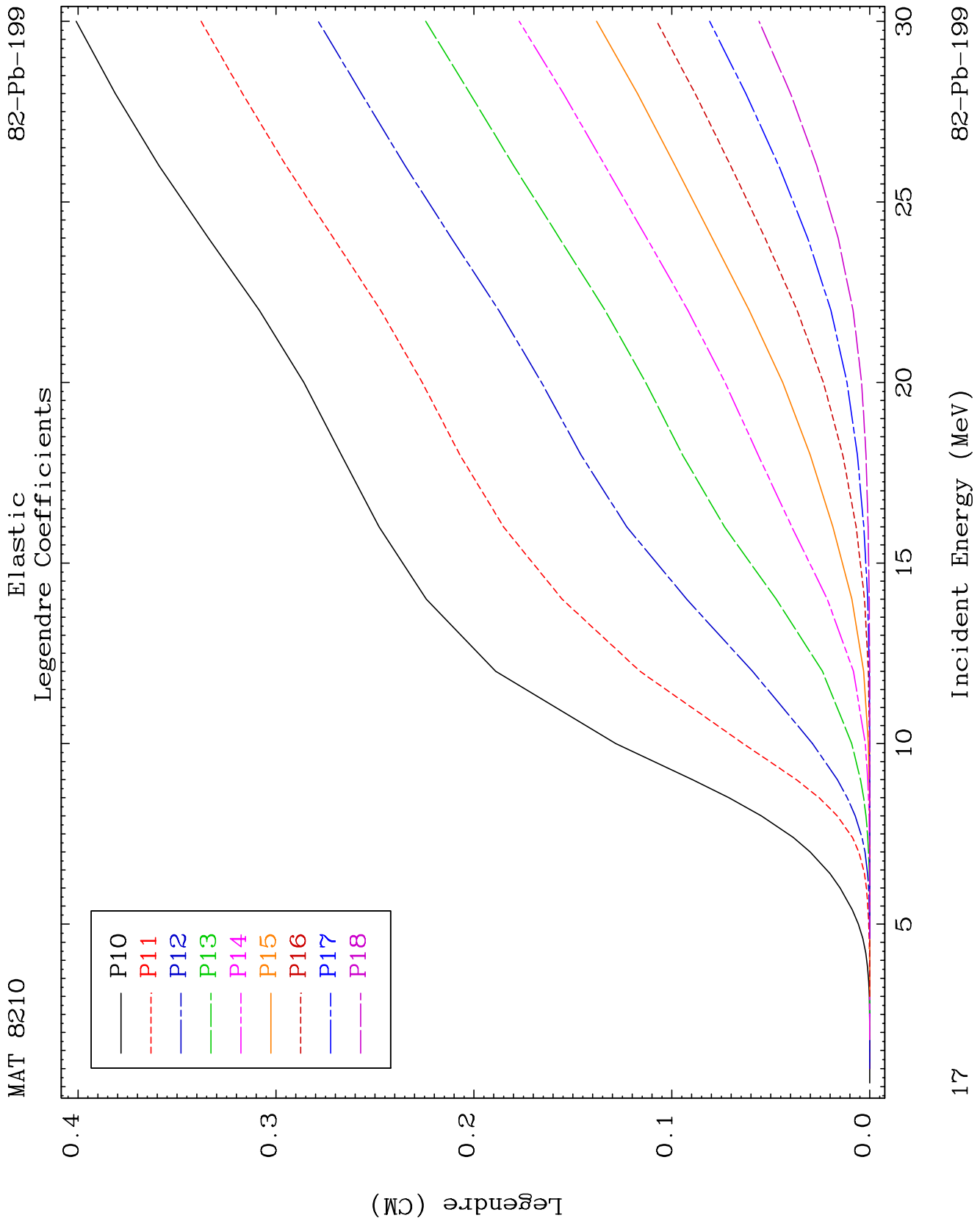
82-Pb-199

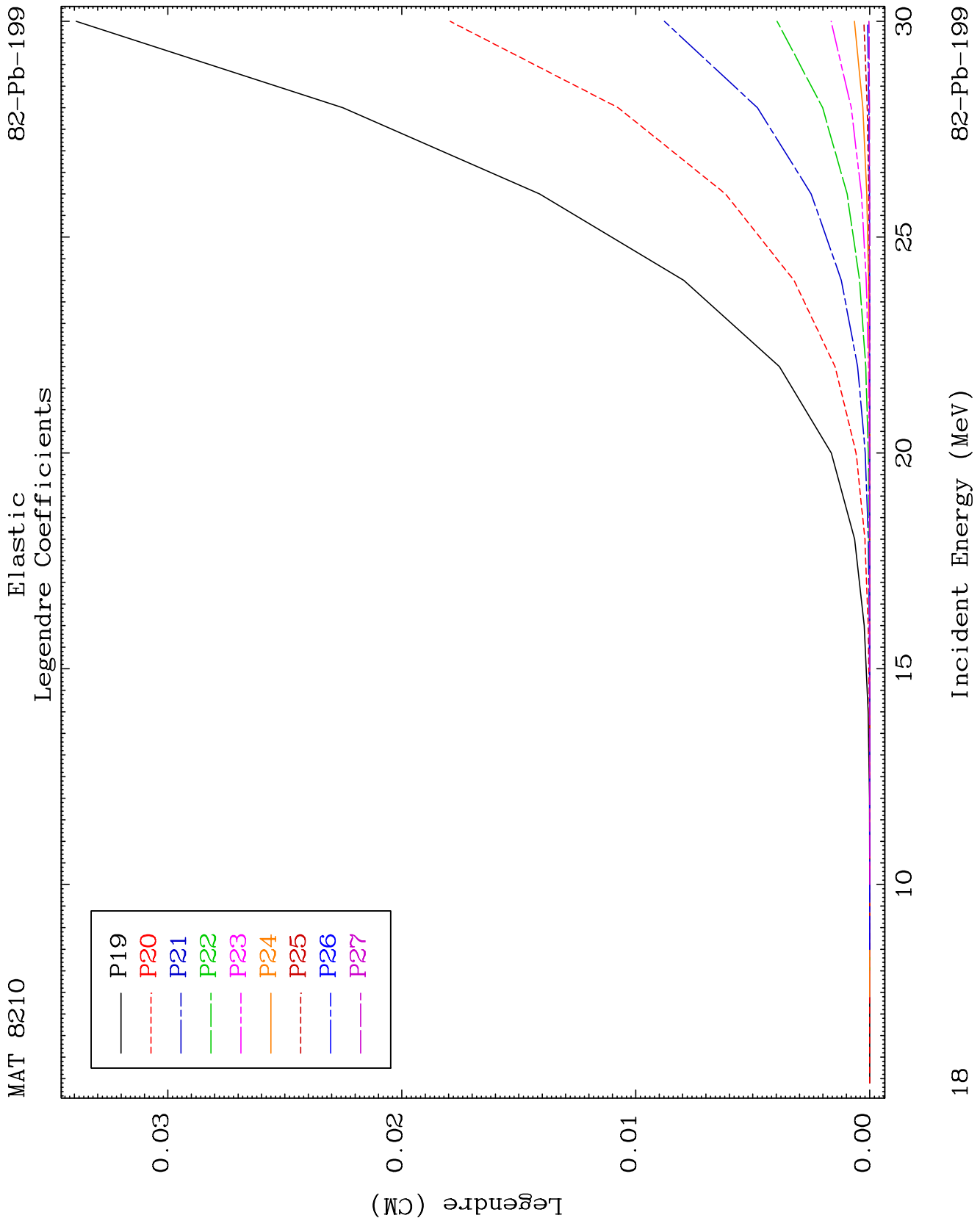


16

Incident Energy (MeV)

82-Pb-199

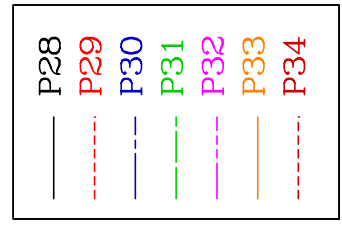




MAT 8210

Elastic Legendre Coefficients

82-Pb-199



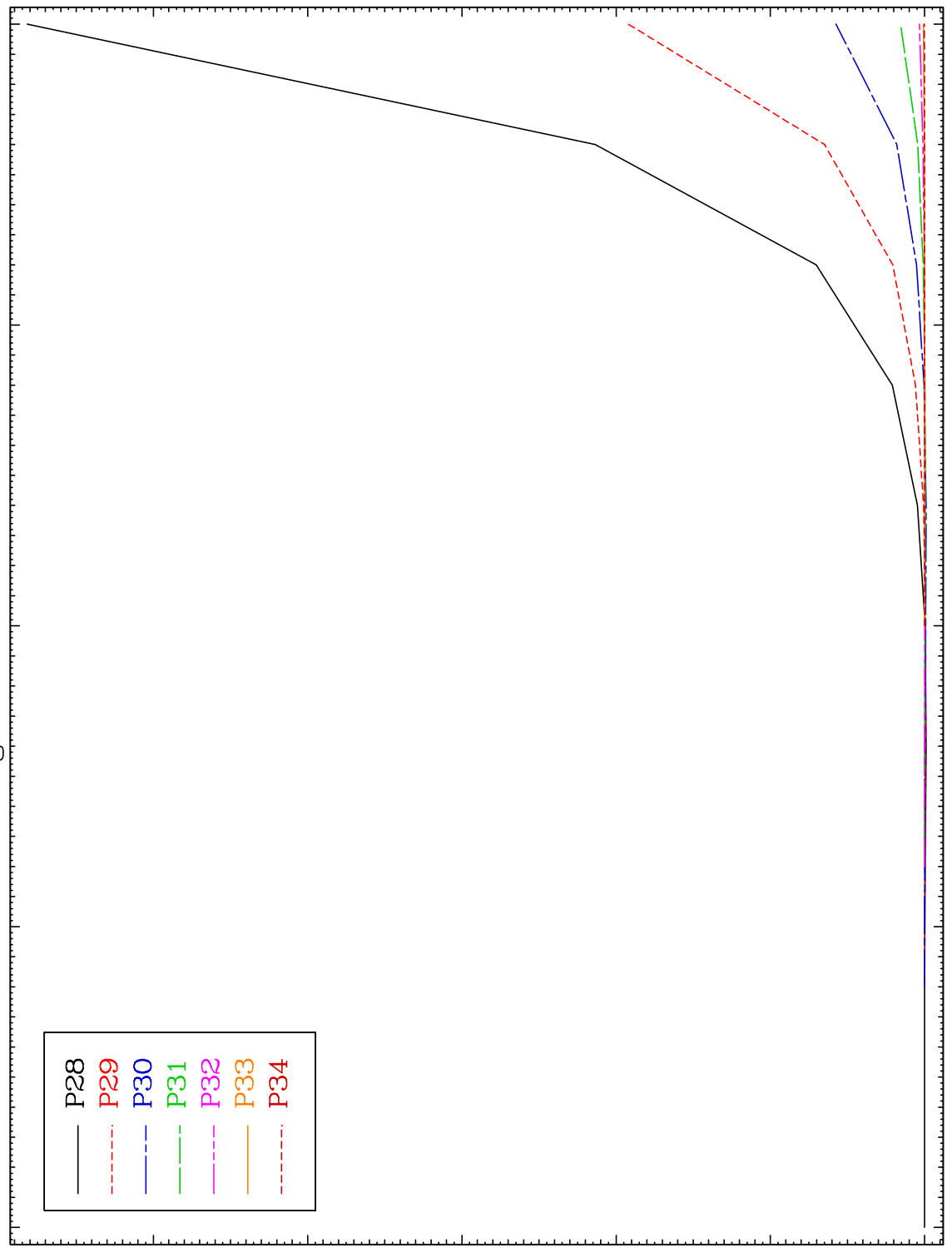
$\times 10^{-5}$
Legendre (CM)
1.0
0.8
0.6
0.4
0.2
0.0

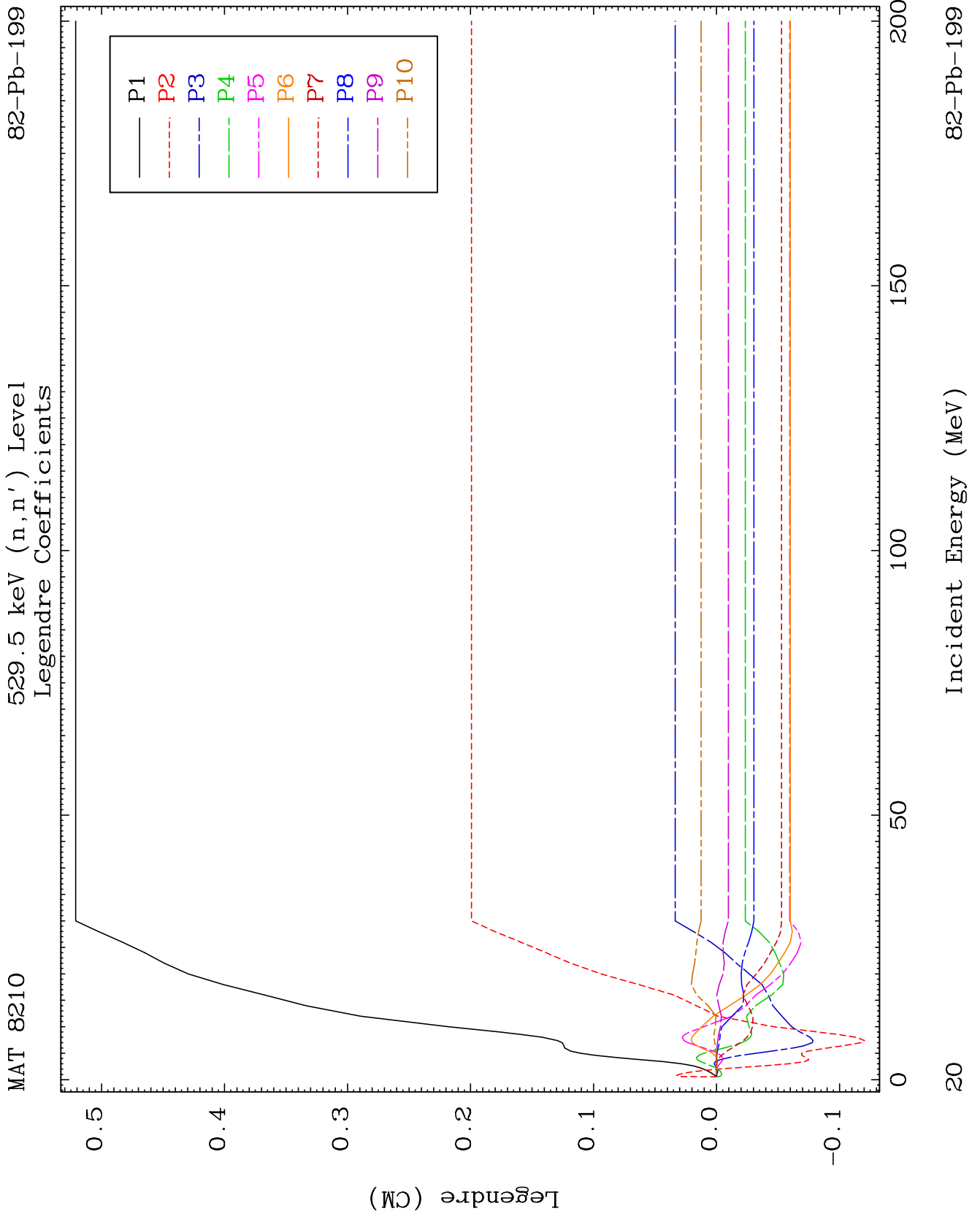
10 15 20 25 30

Incident Energy (MeV)

82-Pb-199

19

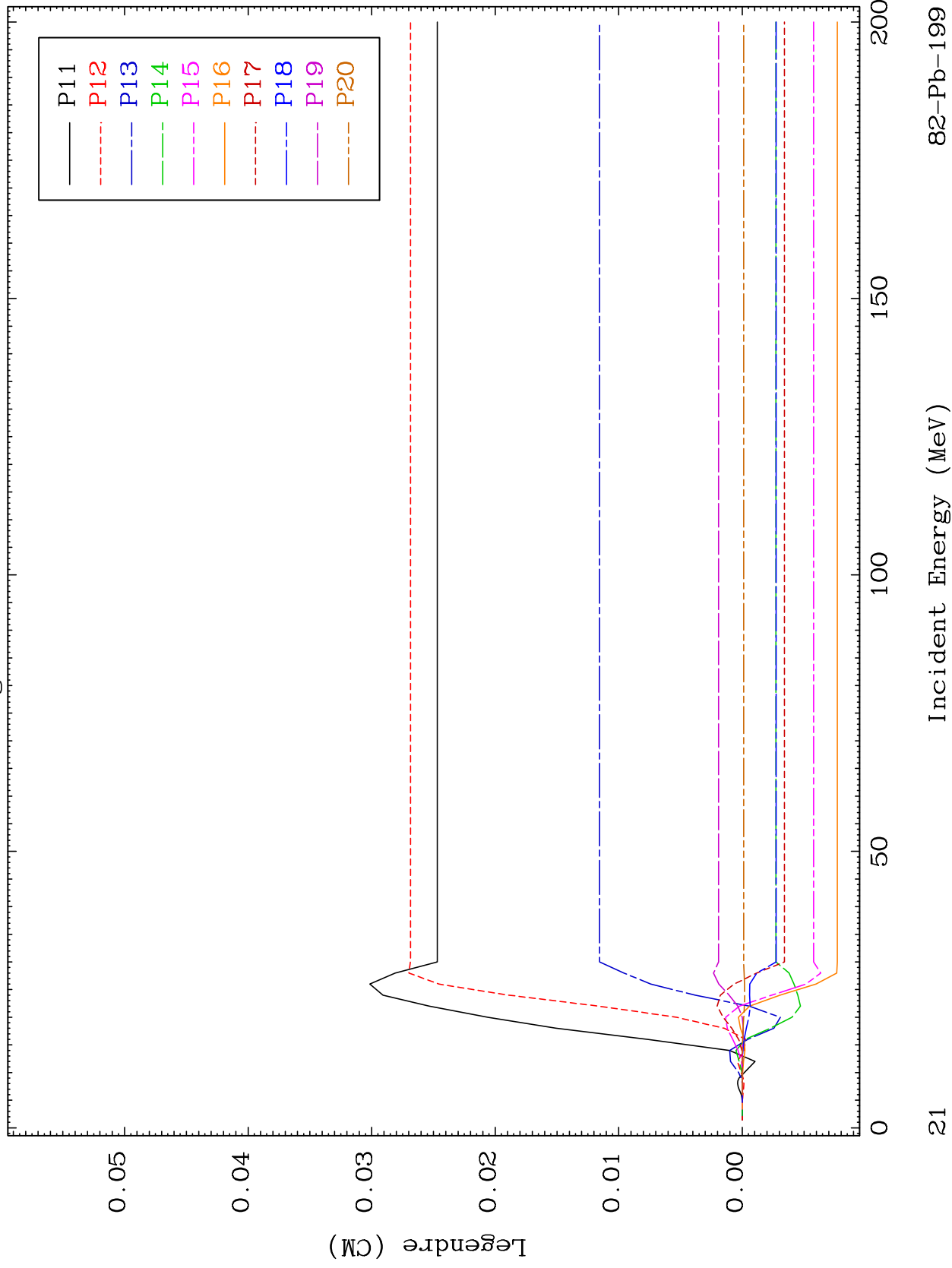




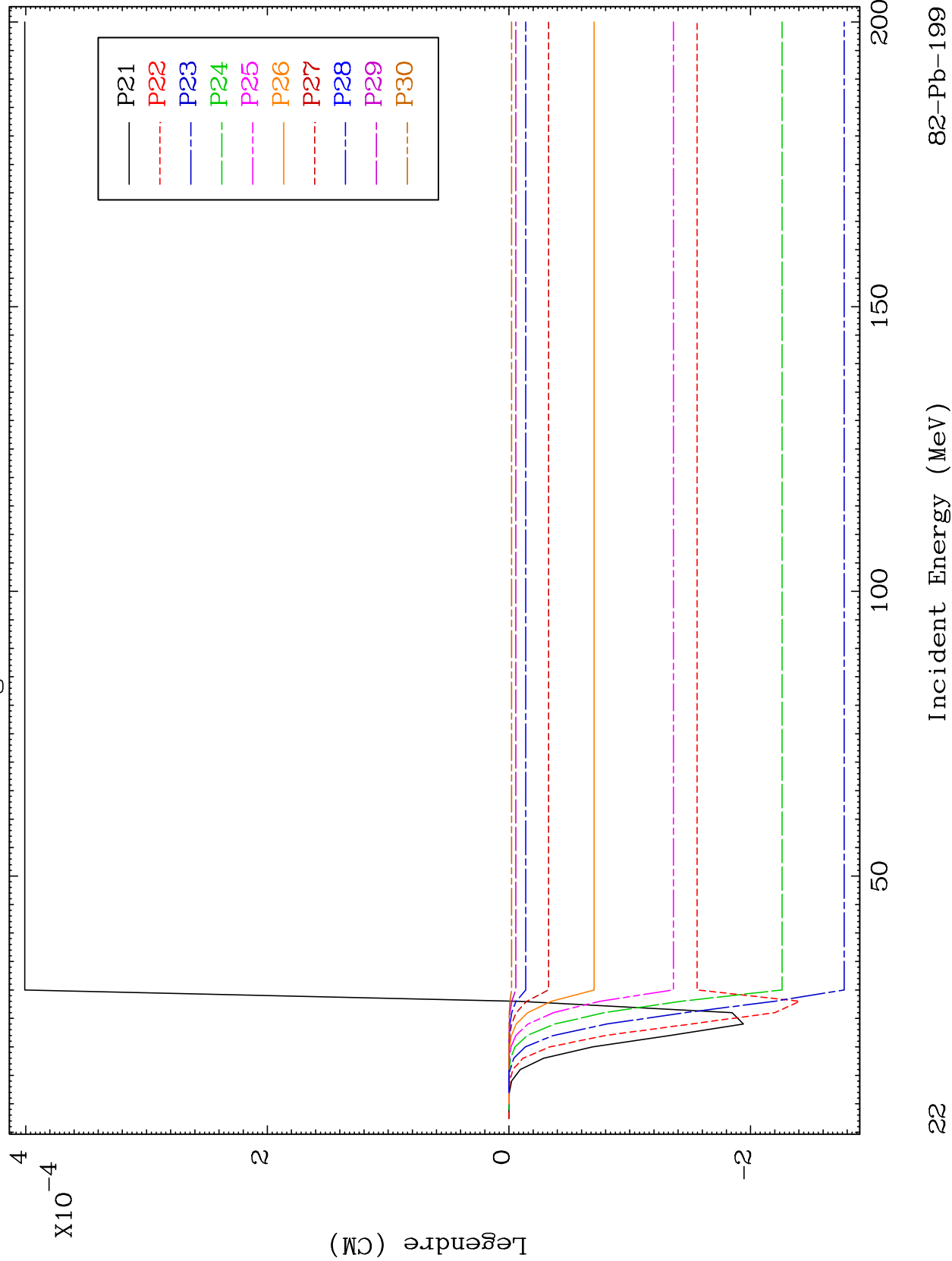
MAT 8210

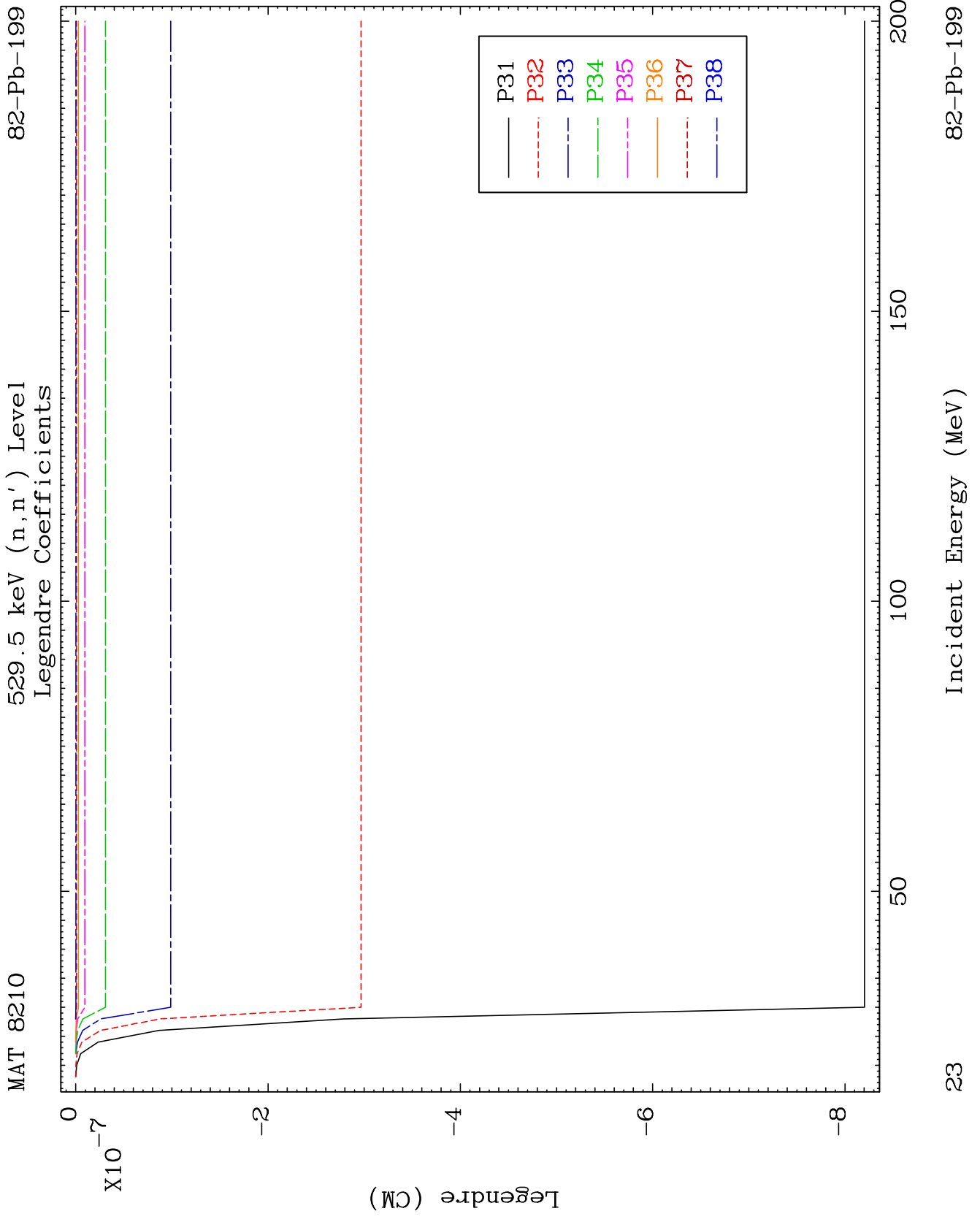
529.5 keV (n,n') Level
Legendre Coefficients

82-Pb-199



21

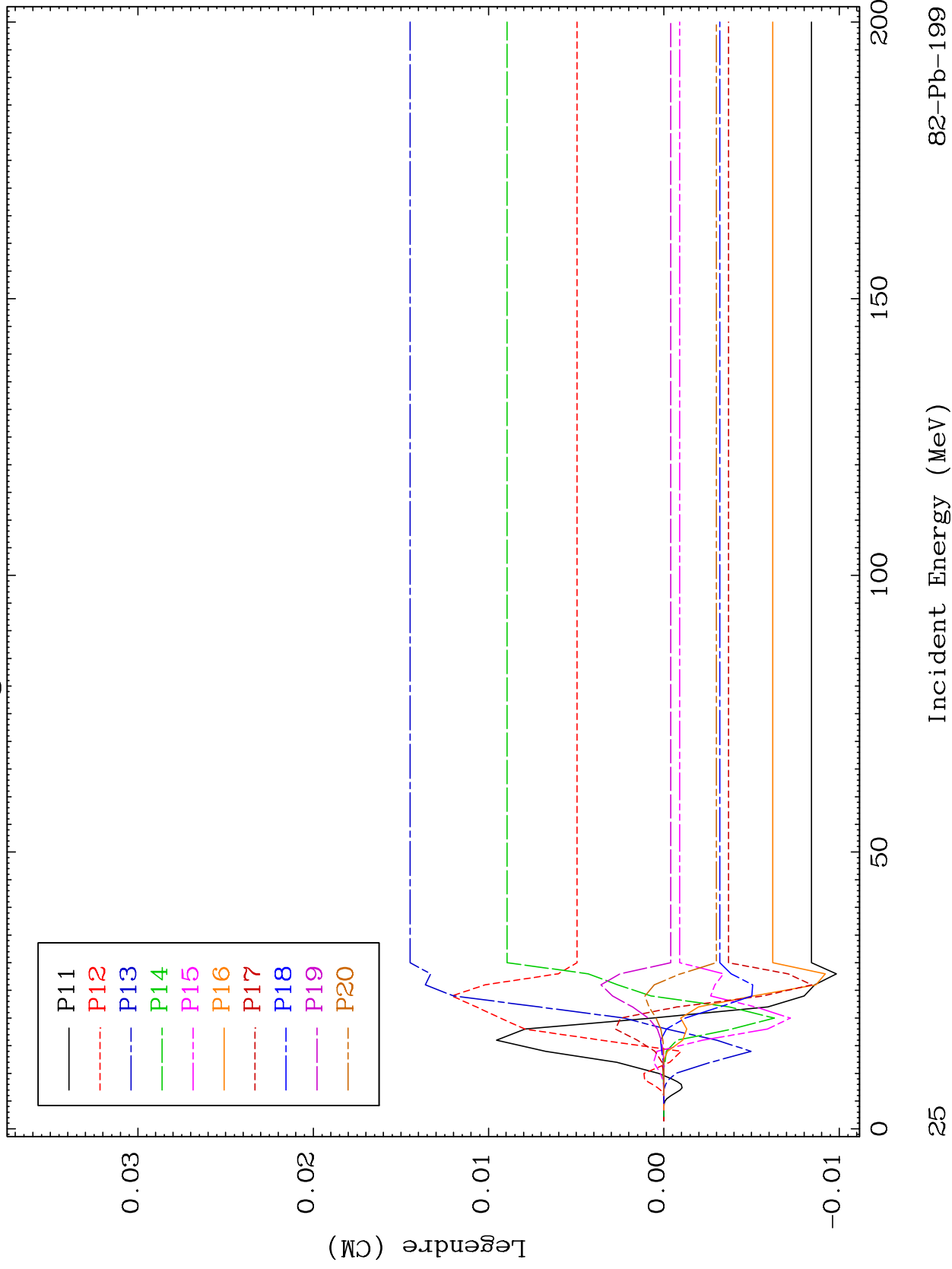




MAT 8210

531.0 keV (n,n') Level
Legendre Coefficients

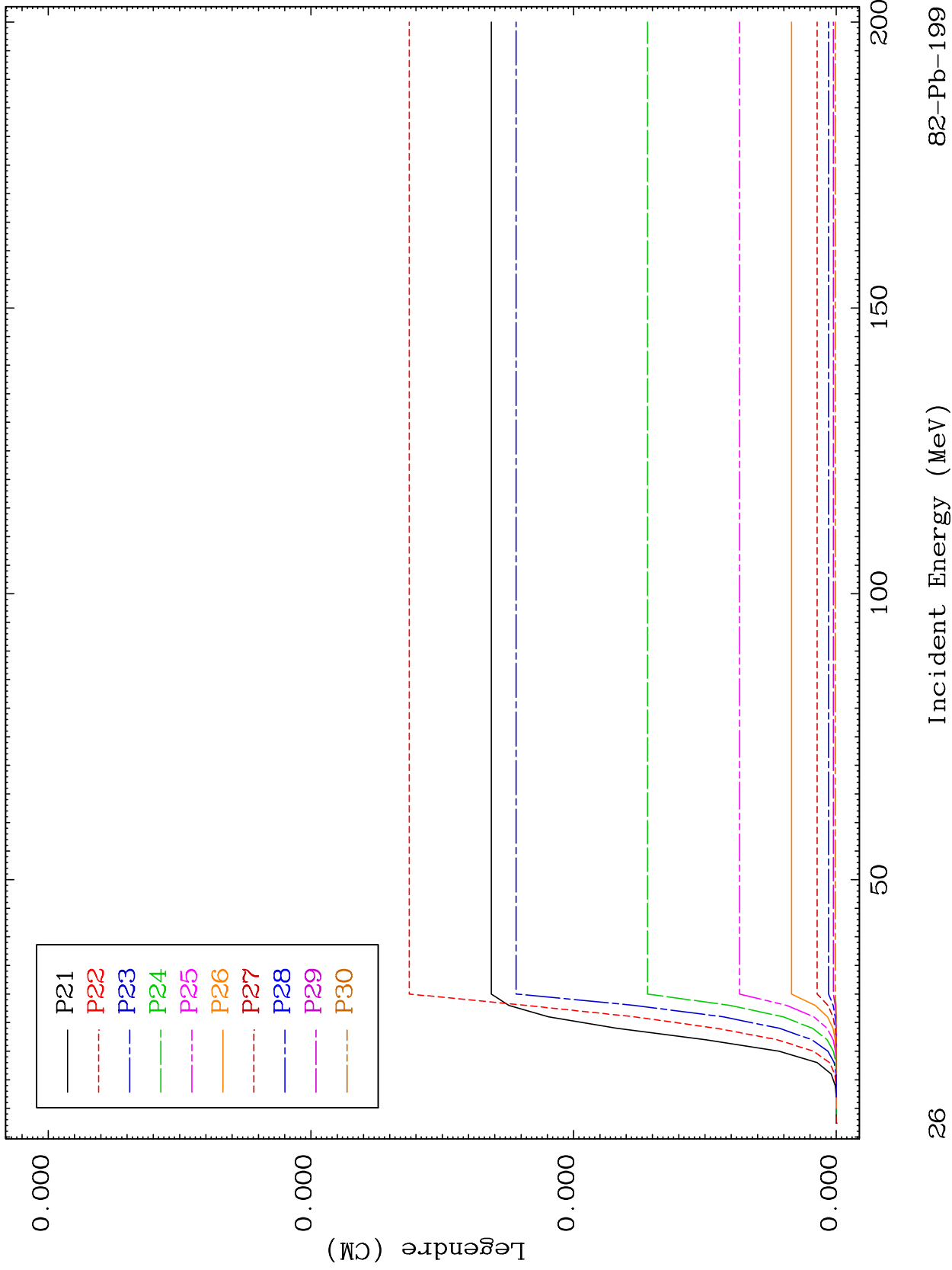
82-Pb-199

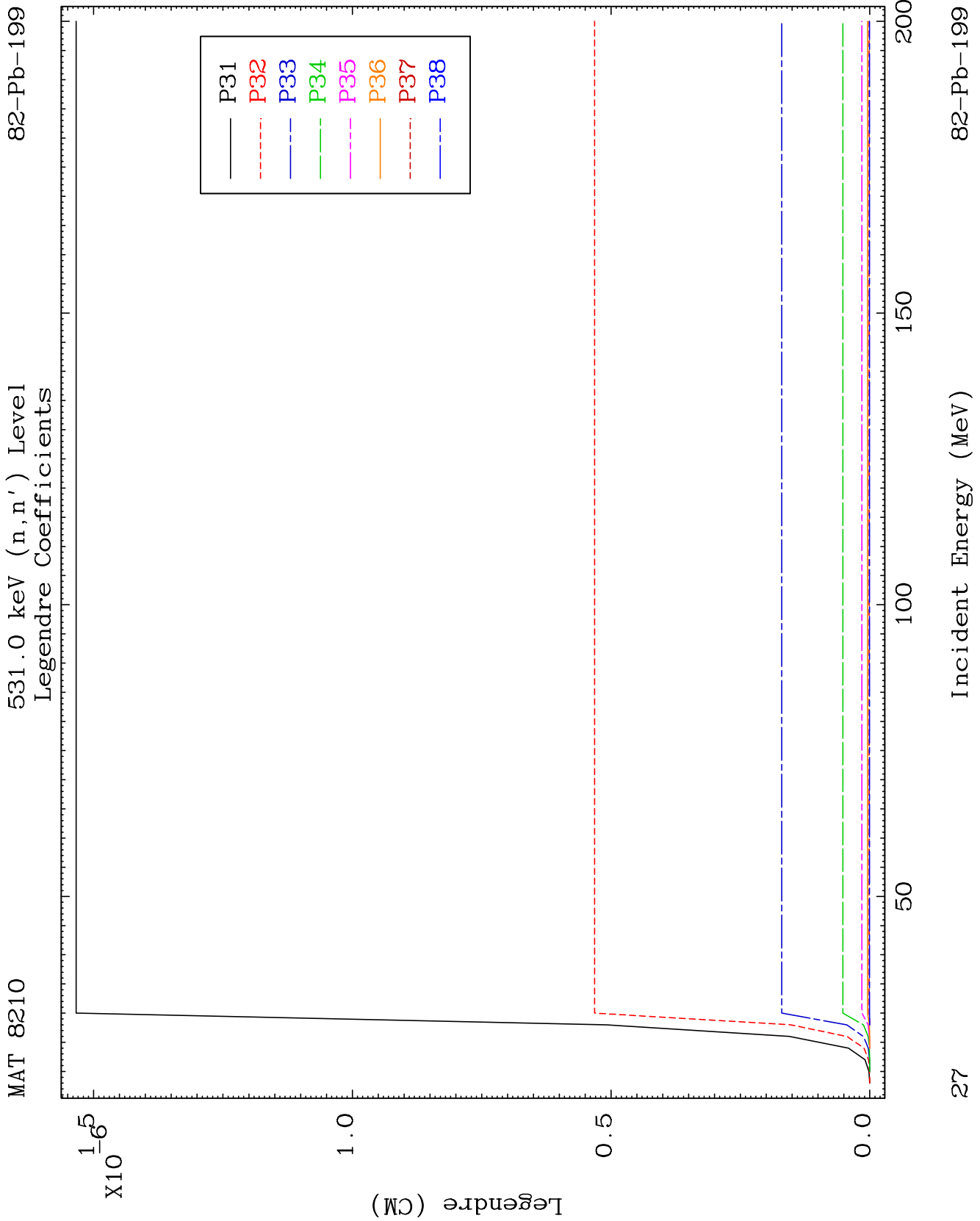


82-Pb-199

Incident Energy (MeV)

25

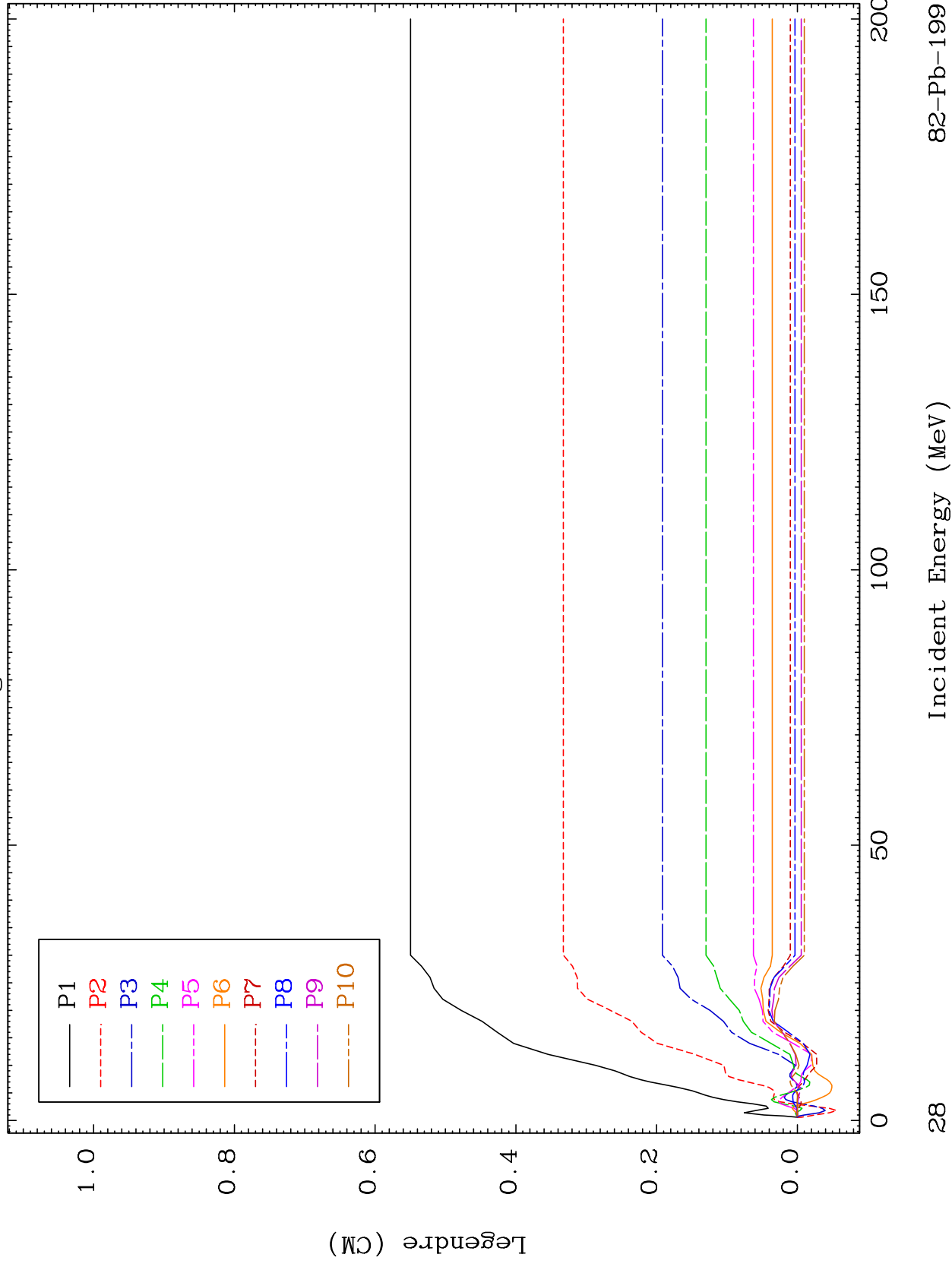




MAT 8210

533.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199



82-Pb-199

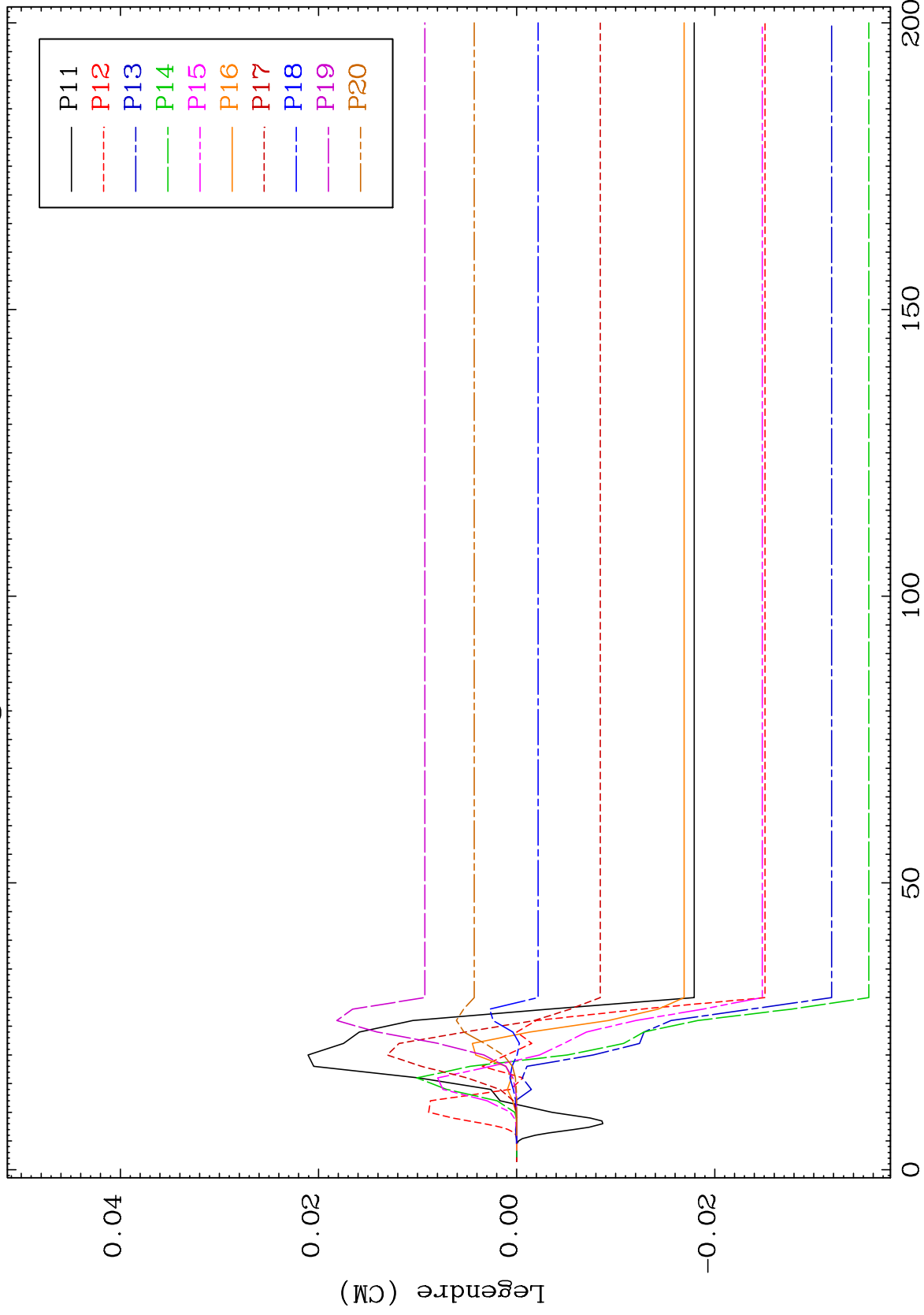
Incident Energy (MeV)

28

MAT 8210

533.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199



29

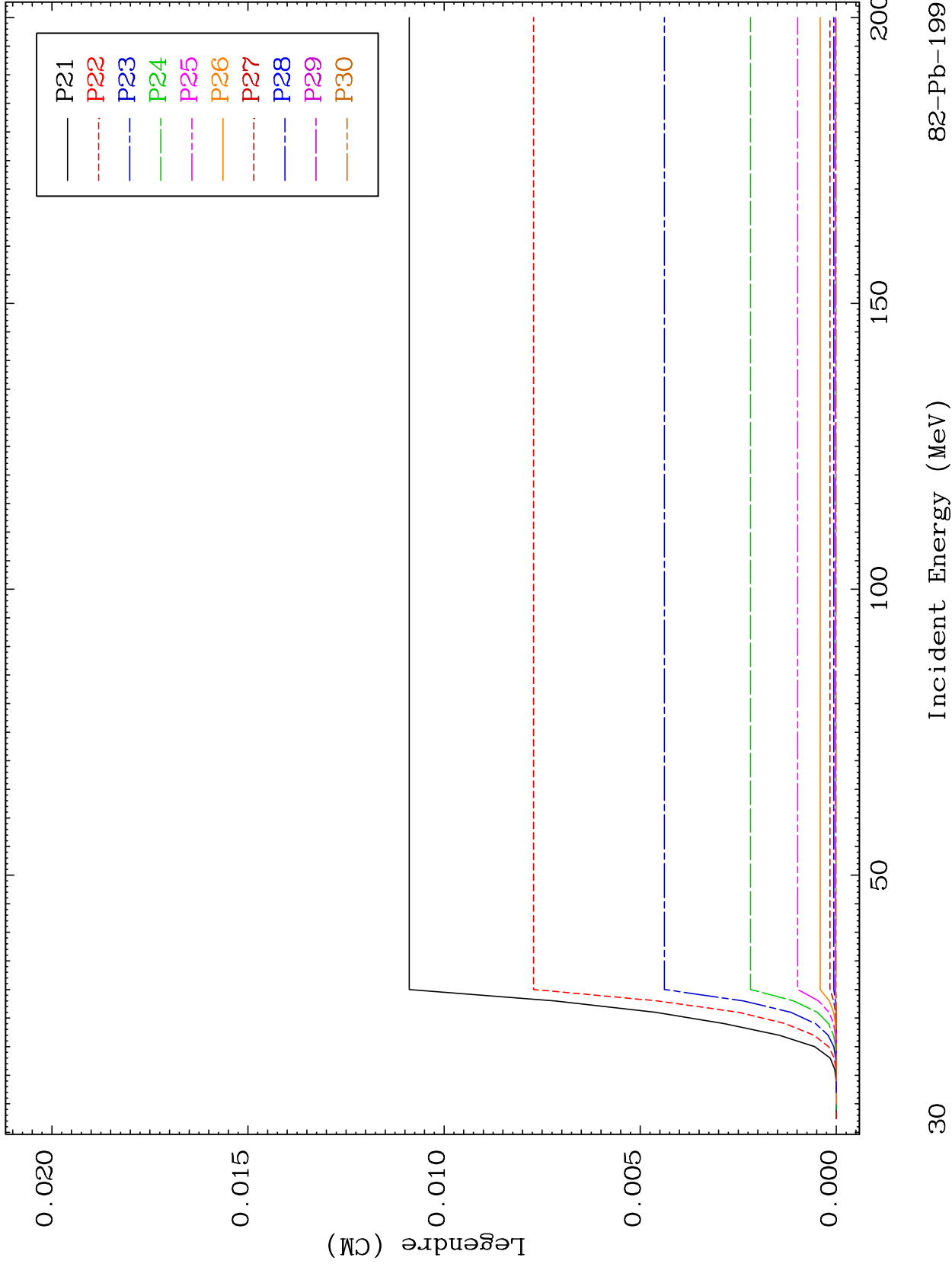
Incident Energy (MeV)

82-Pb-199

MAT 8210

533.0 keV (n,n') Level
Legendre Coefficients

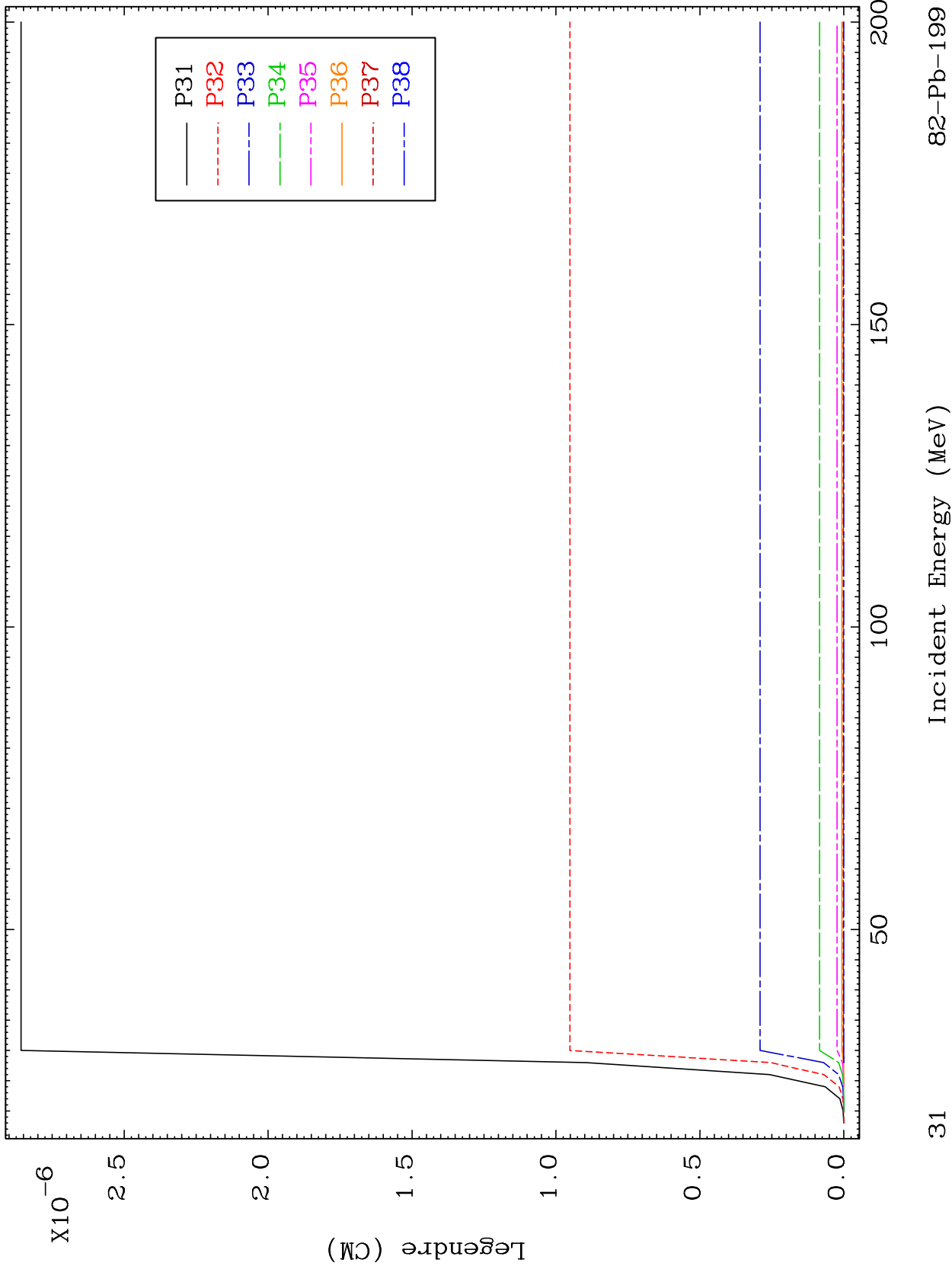
82-Pb-199



82-Pb-199

Incident Energy (MeV)

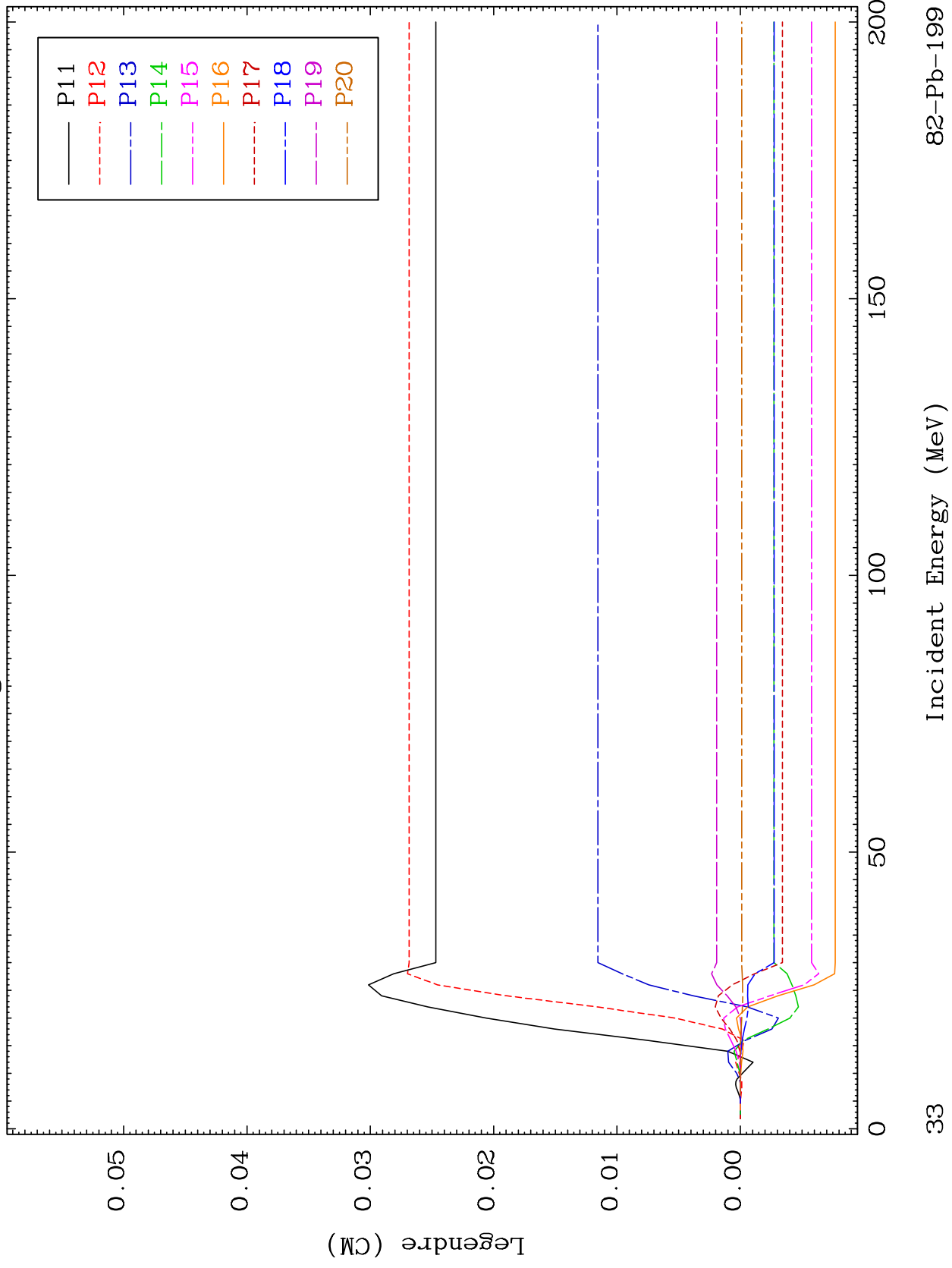
30



MAT 8210

534.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199

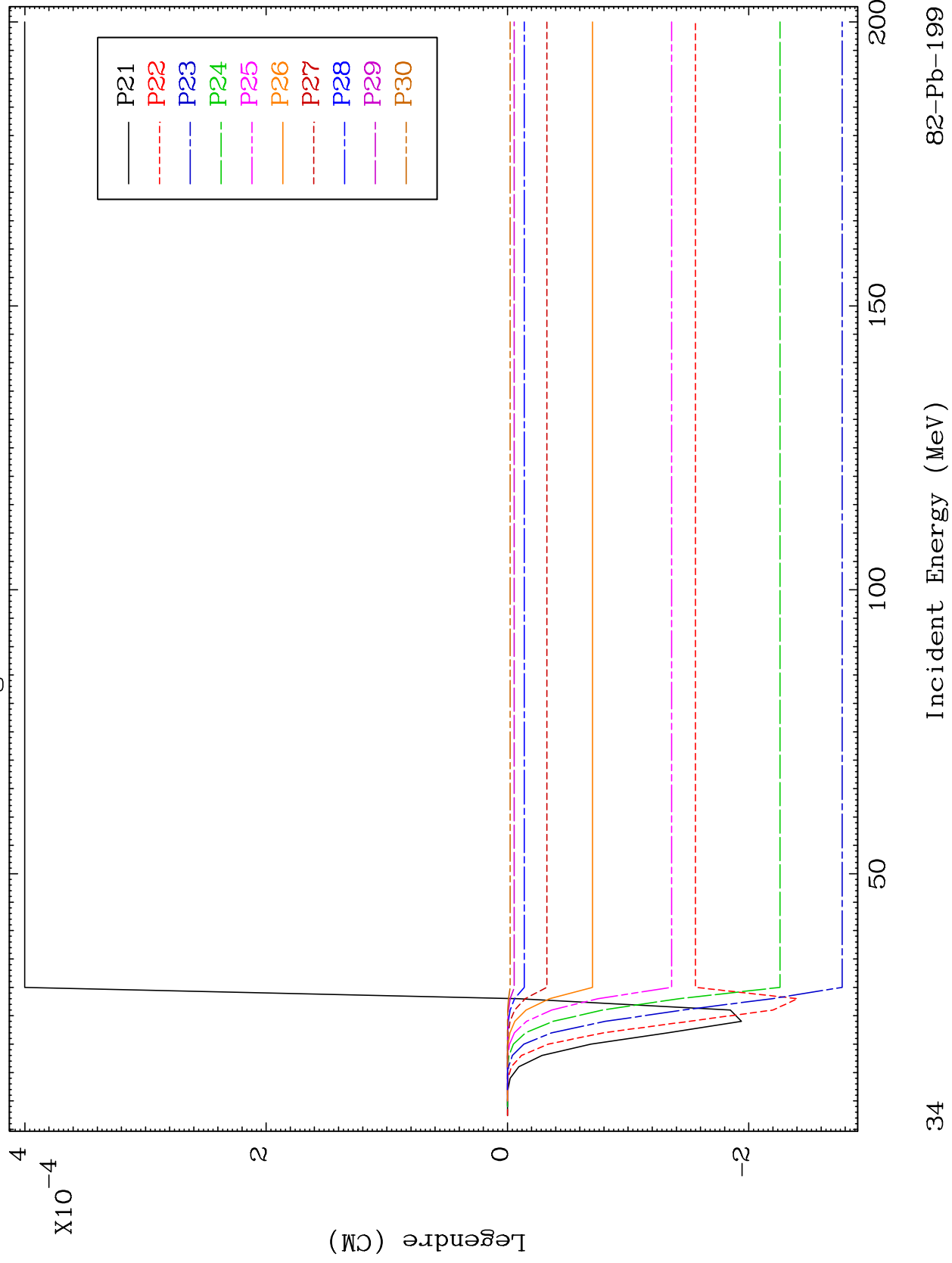


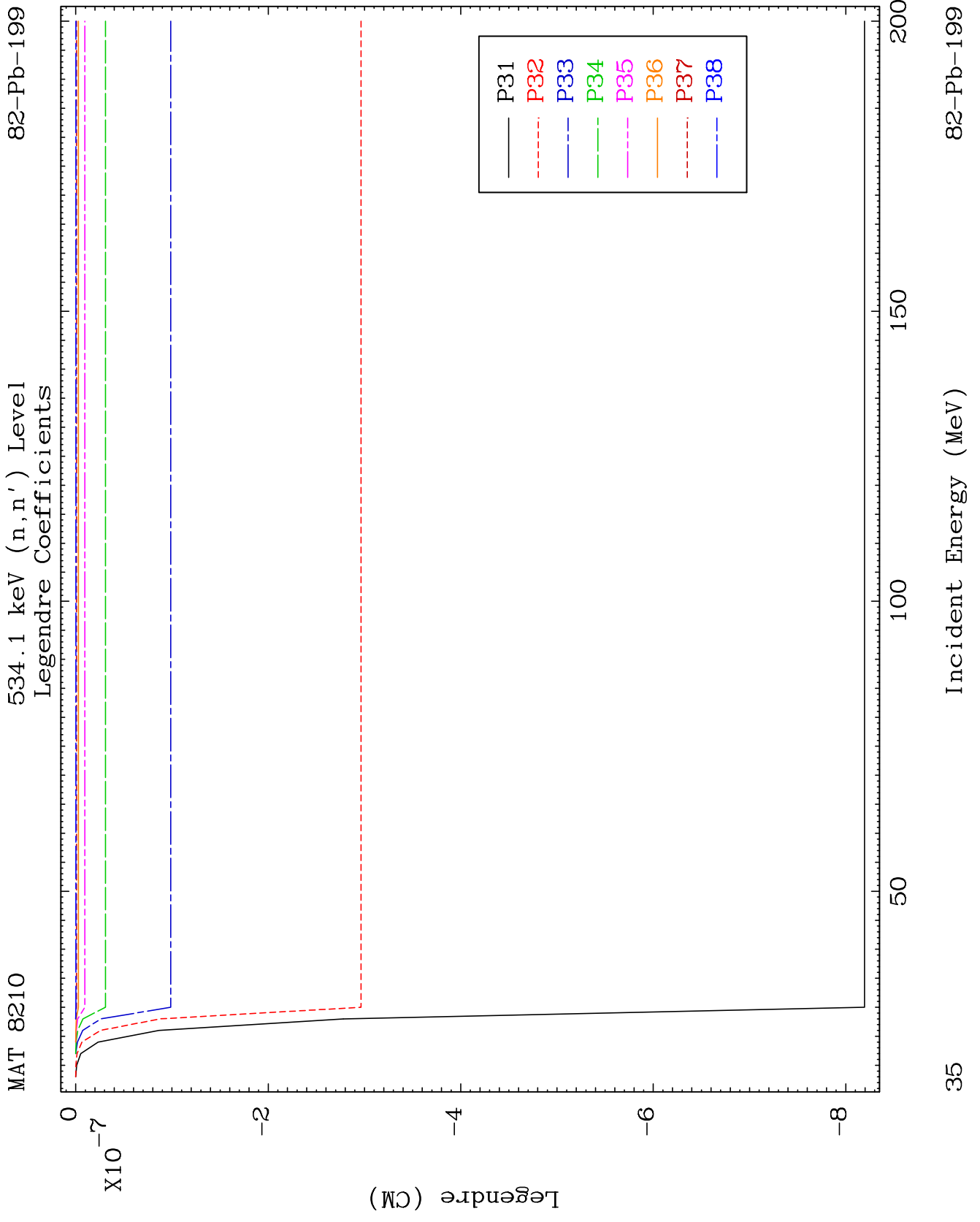
33

MAT 8210

534.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199

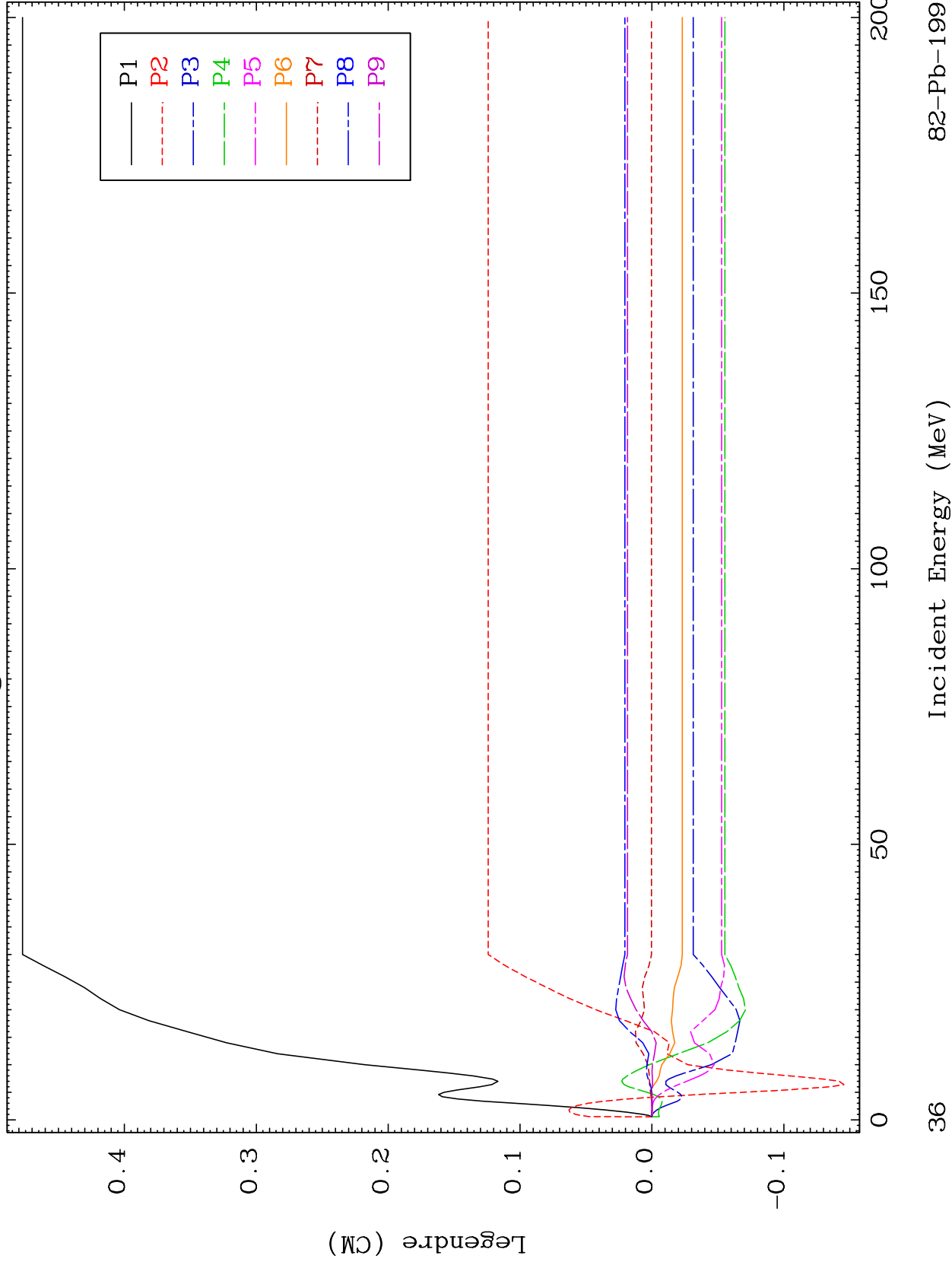




MAT 8210

536.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



82-Pb-199

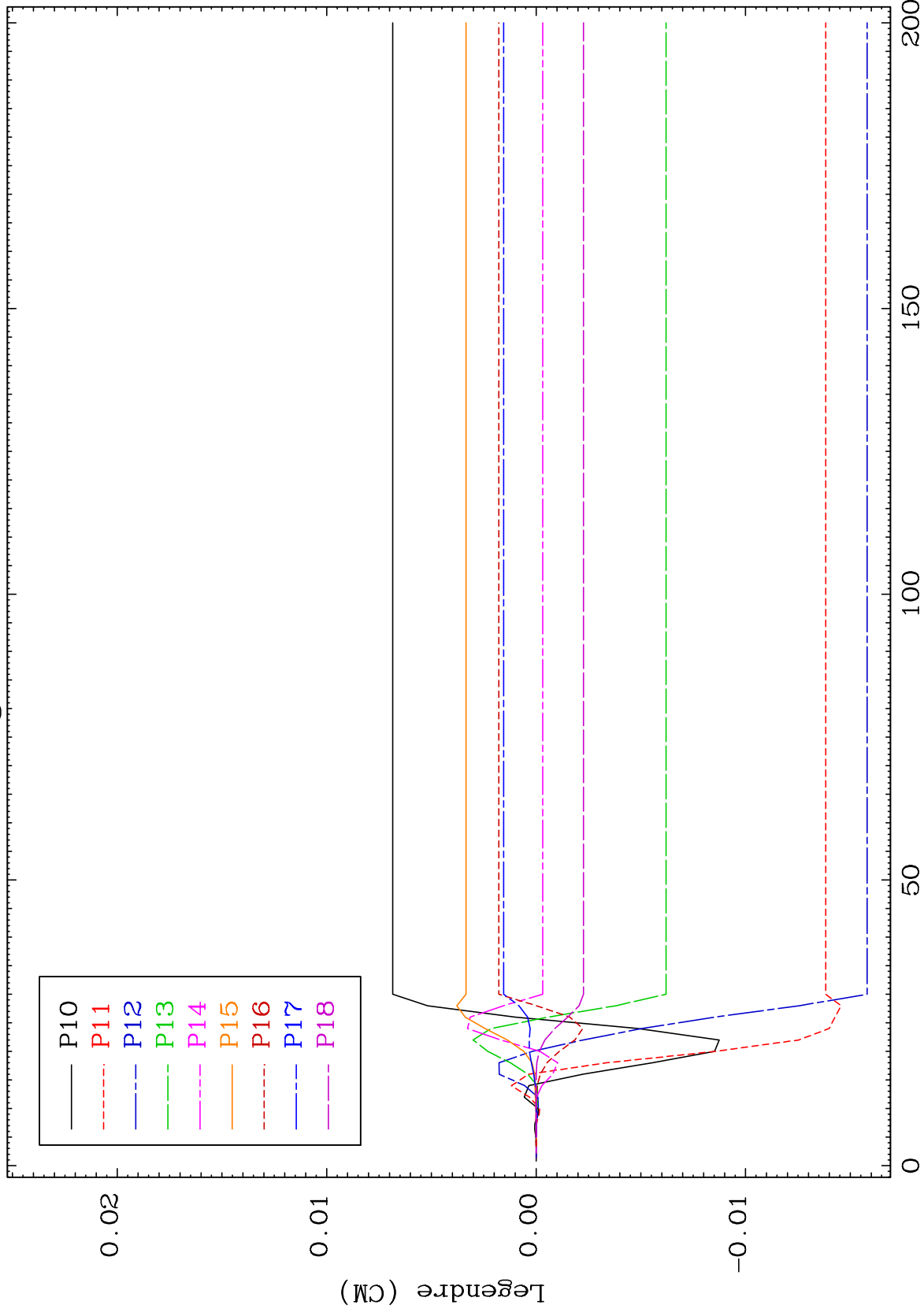
Incident Energy (MeV)

36

MAT 8210

536.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



37

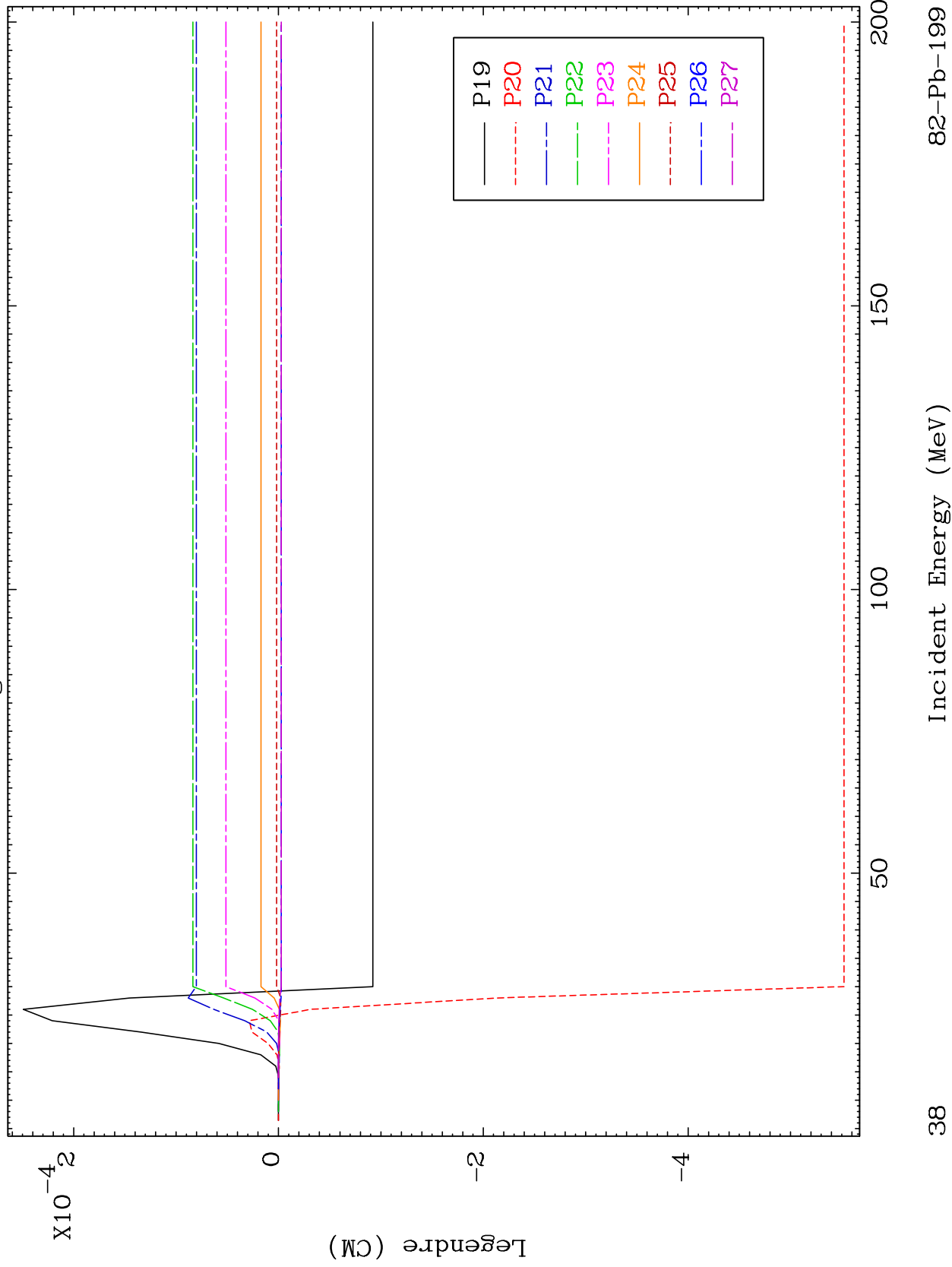
Incident Energy (MeV)

82-Pb-199

MAT 8210

536.1 keV (n,n') Level
Legendre Coefficients

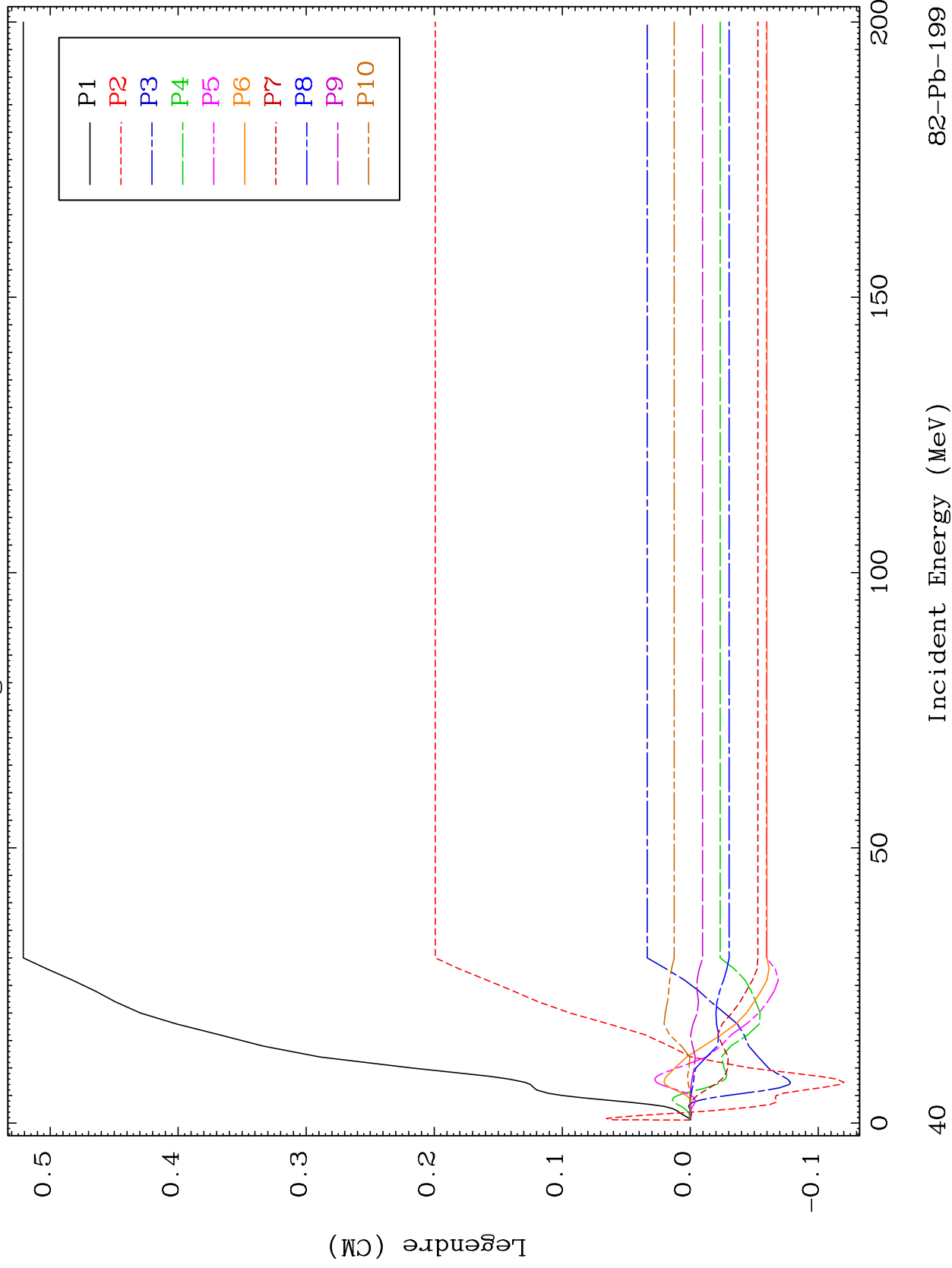
82-Pb-199



MAT 8210

537.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199

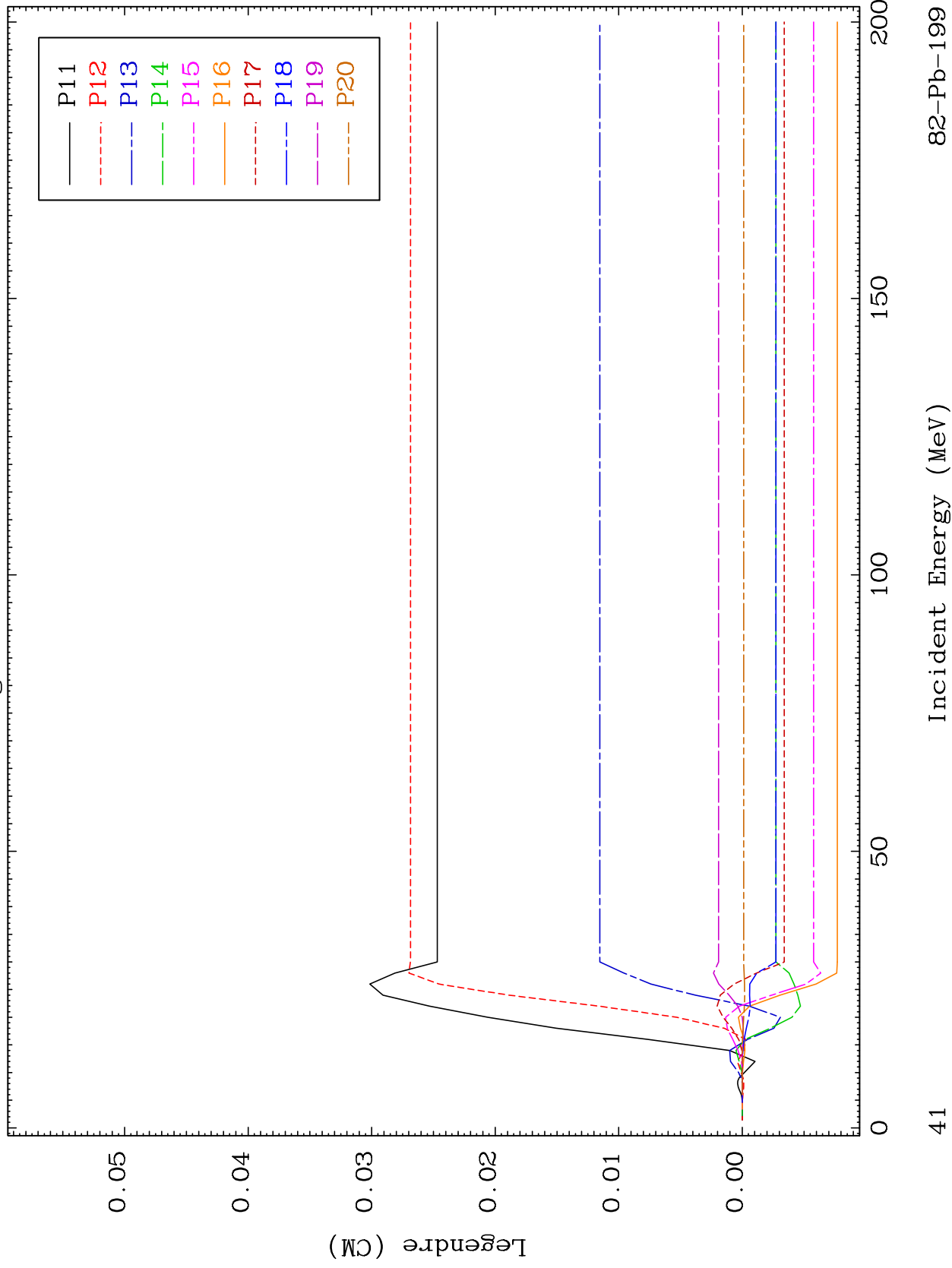


82-Pb-199

MAT 8210

537.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199

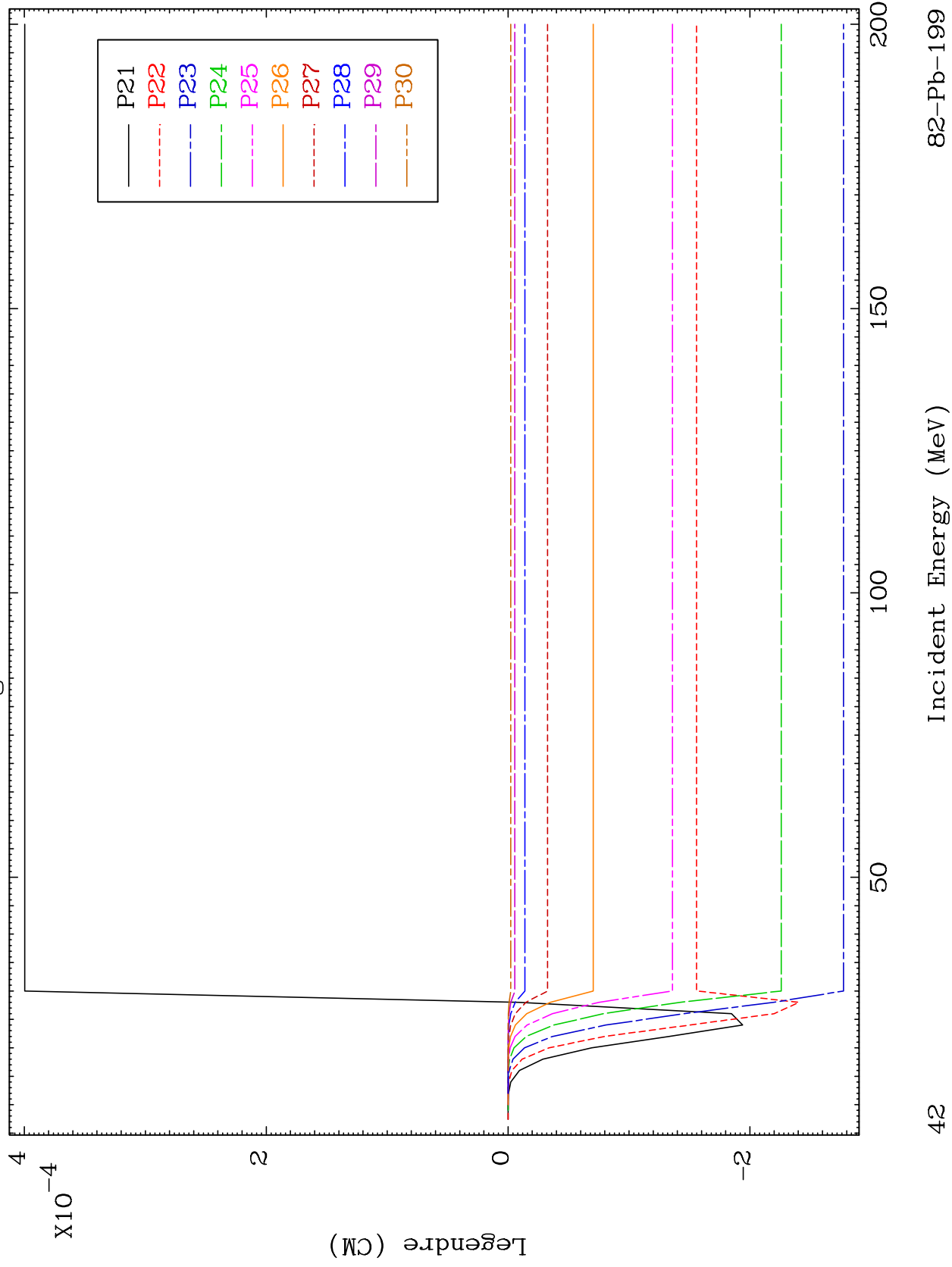


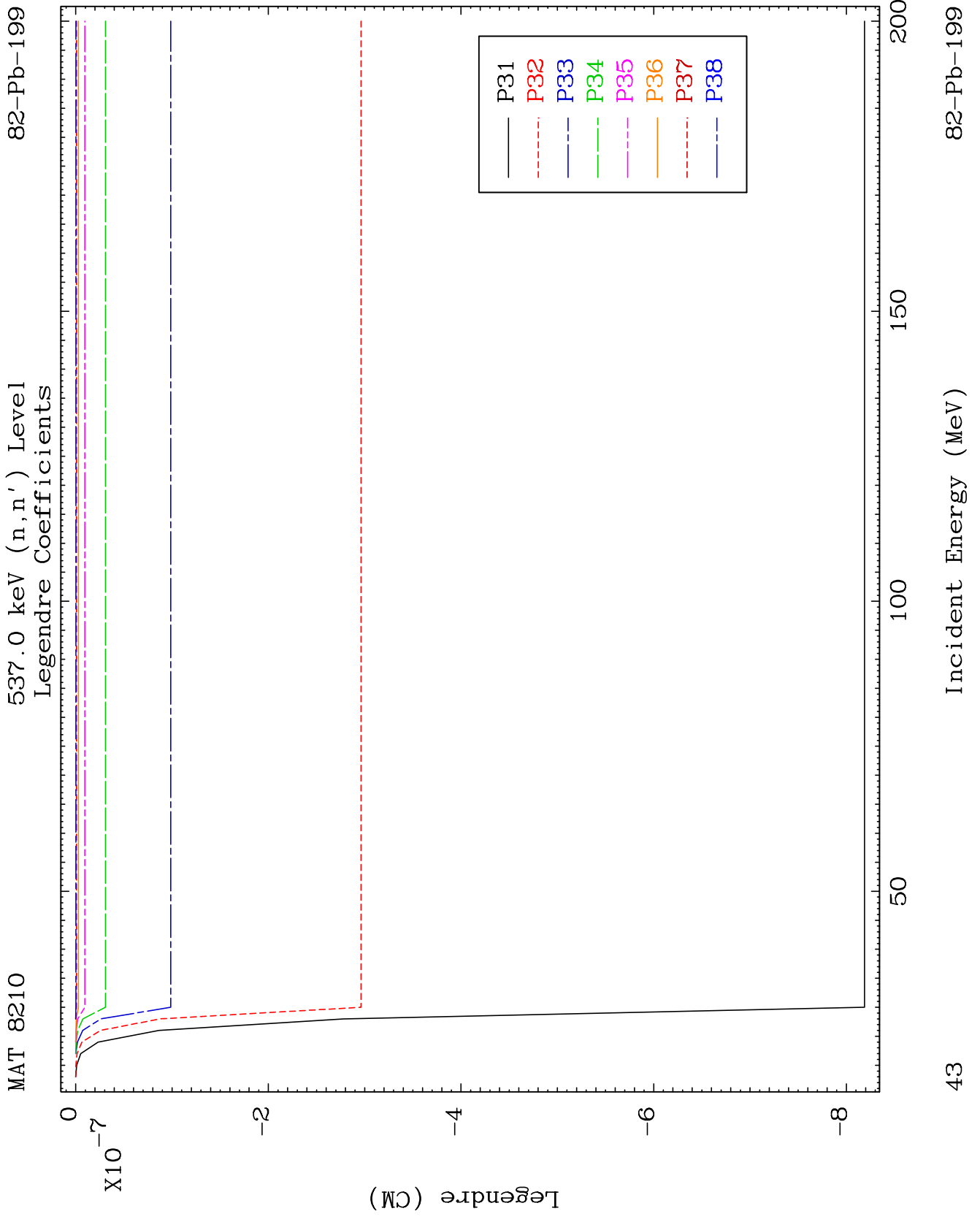
41

MAT 8210

537.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199

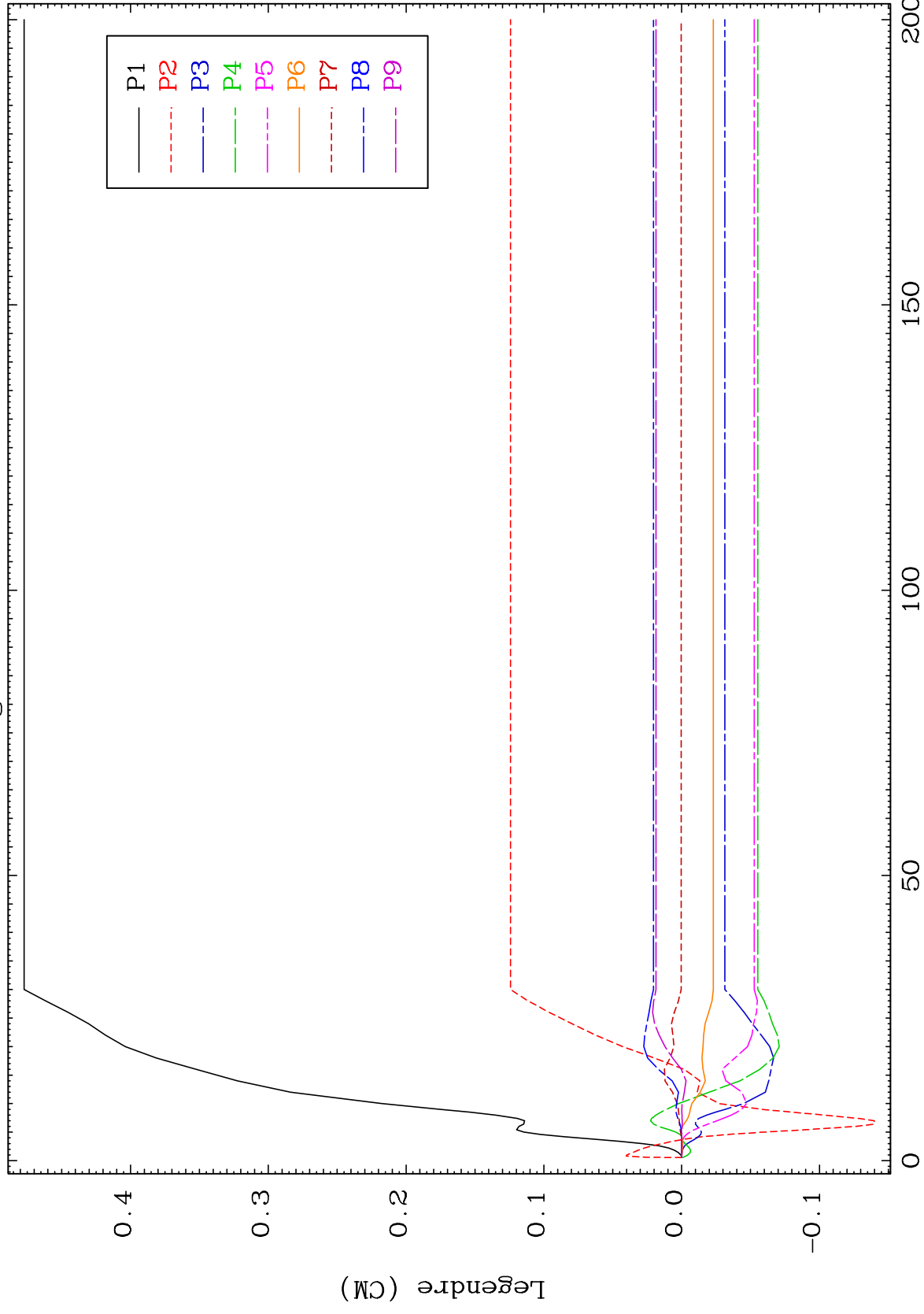




MAT 8210

538.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199



82-Pb-199

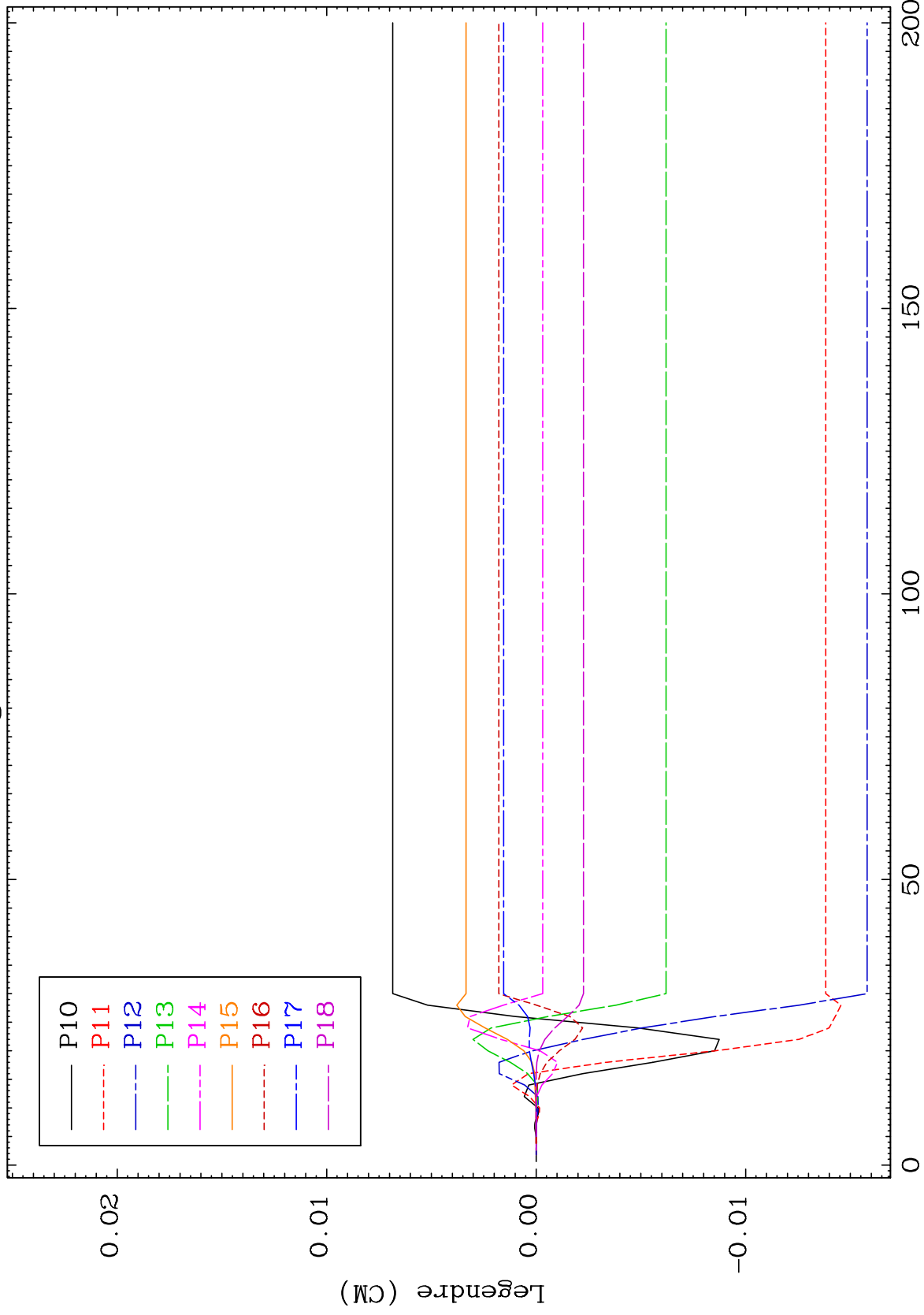
Incident Energy (MeV)

44

MAT 8210

538.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199



45

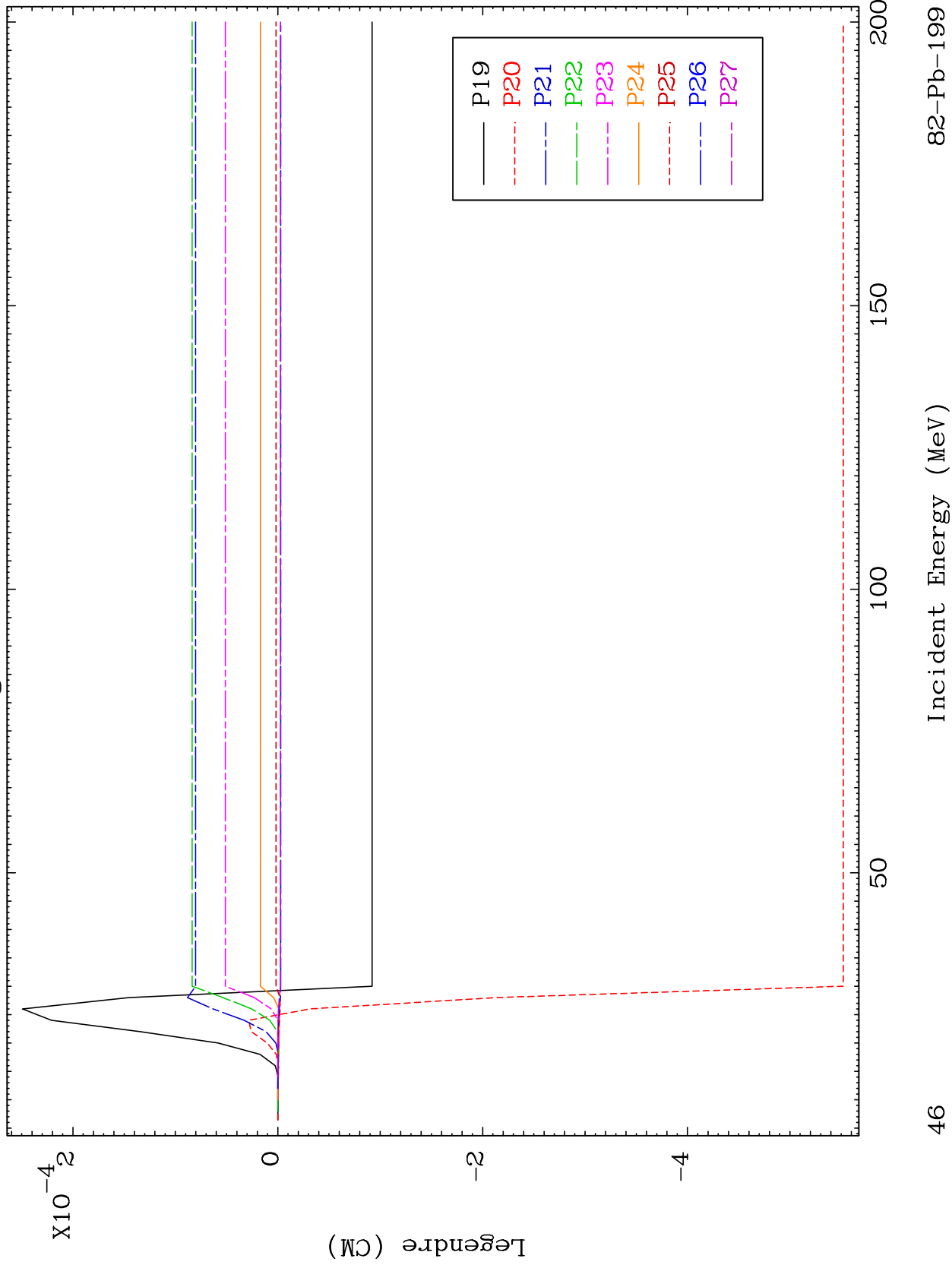
Incident Energy (MeV)

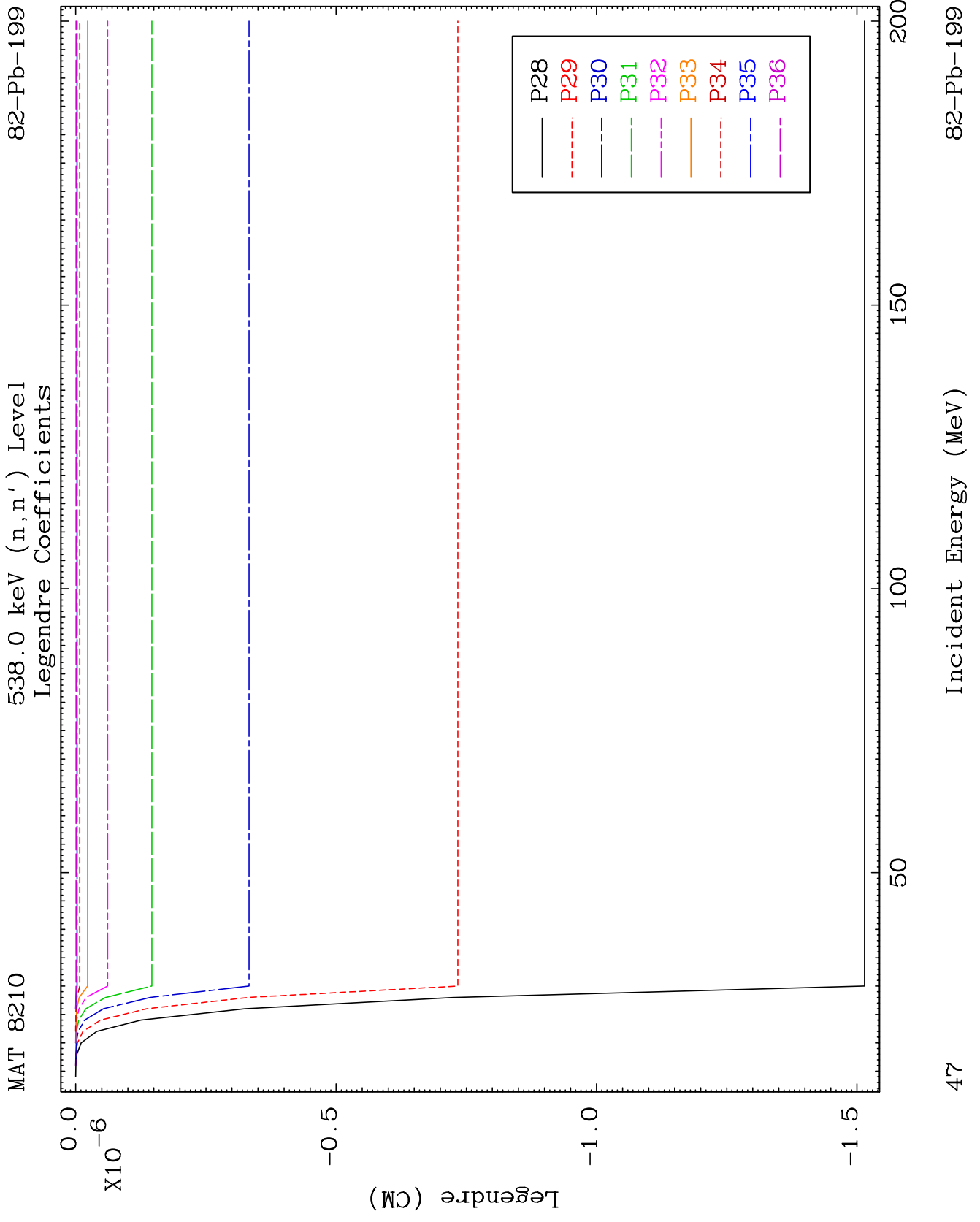
82-Pb-199

MAT 8210

538.0 keV (n,n') Level
Legendre Coefficients

82-Pb-199

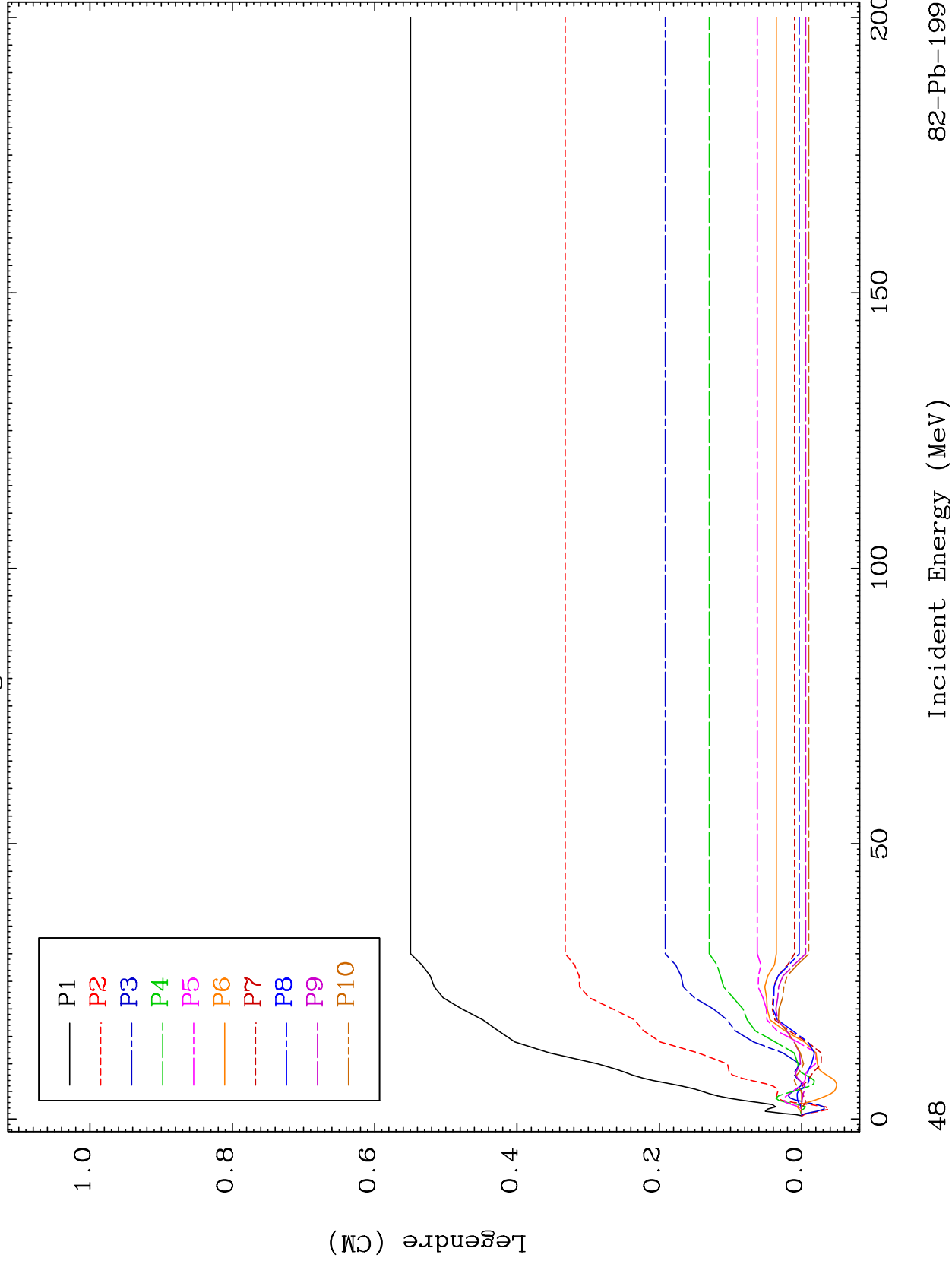




MAT 8210

538.9 keV (n,n') Level
Legendre Coefficients

82-Pb-199

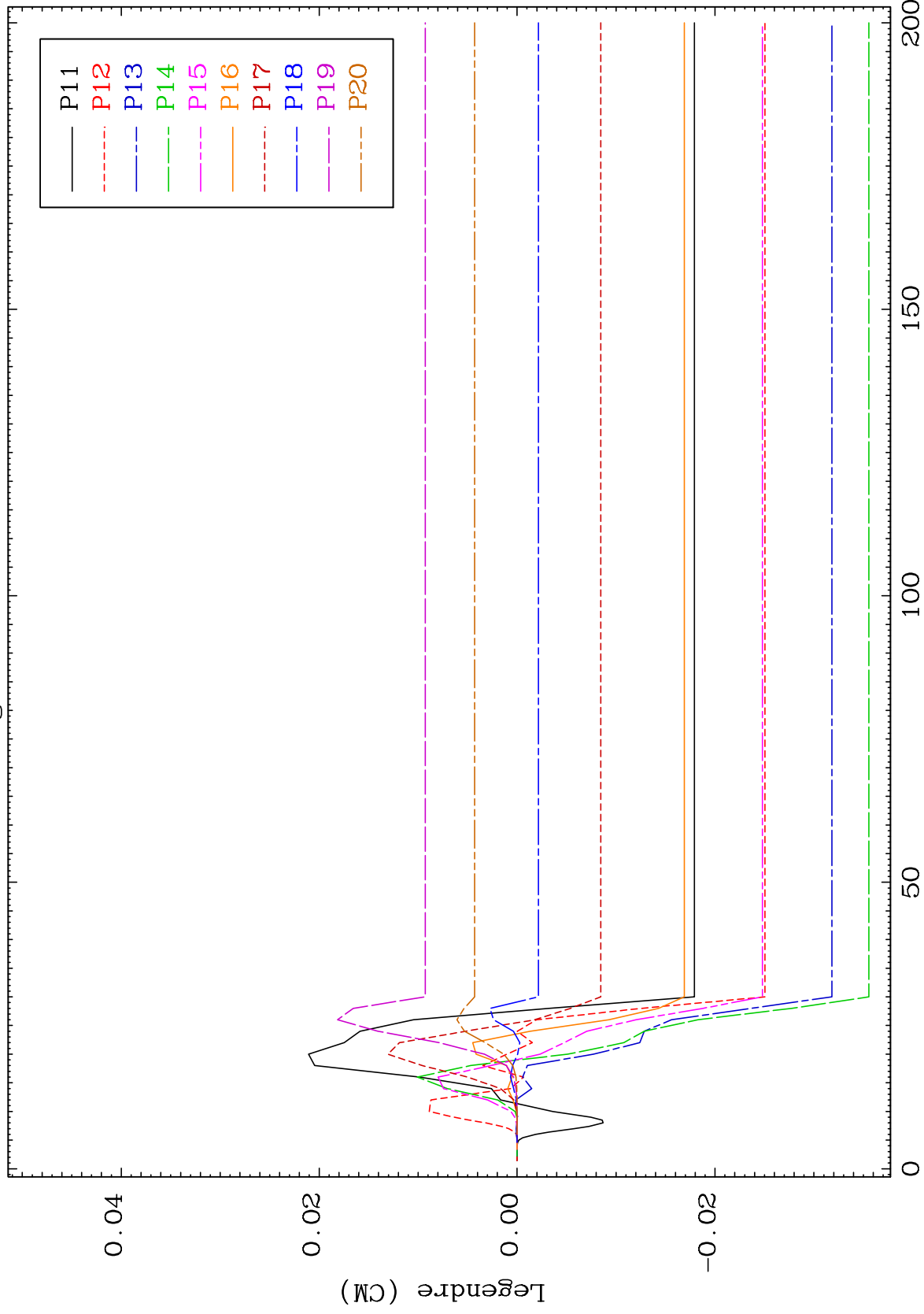


48

MAT 8210

538.9 keV (n,n') Level
Legendre Coefficients

82-Pb-199



49

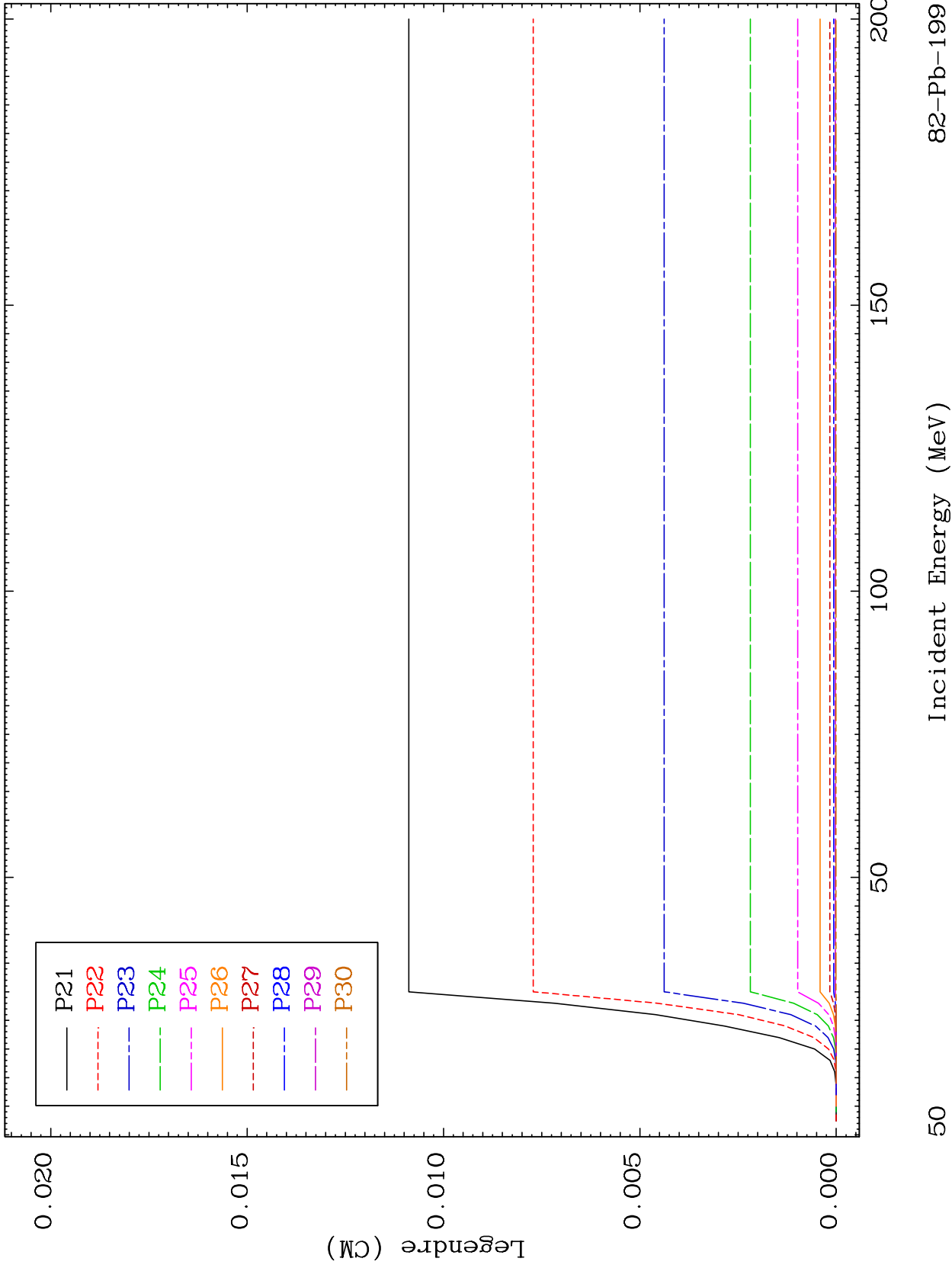
Incident Energy (MeV)

82-Pb-199

MAT 8210

538.9 keV (n,n') Level
Legendre Coefficients

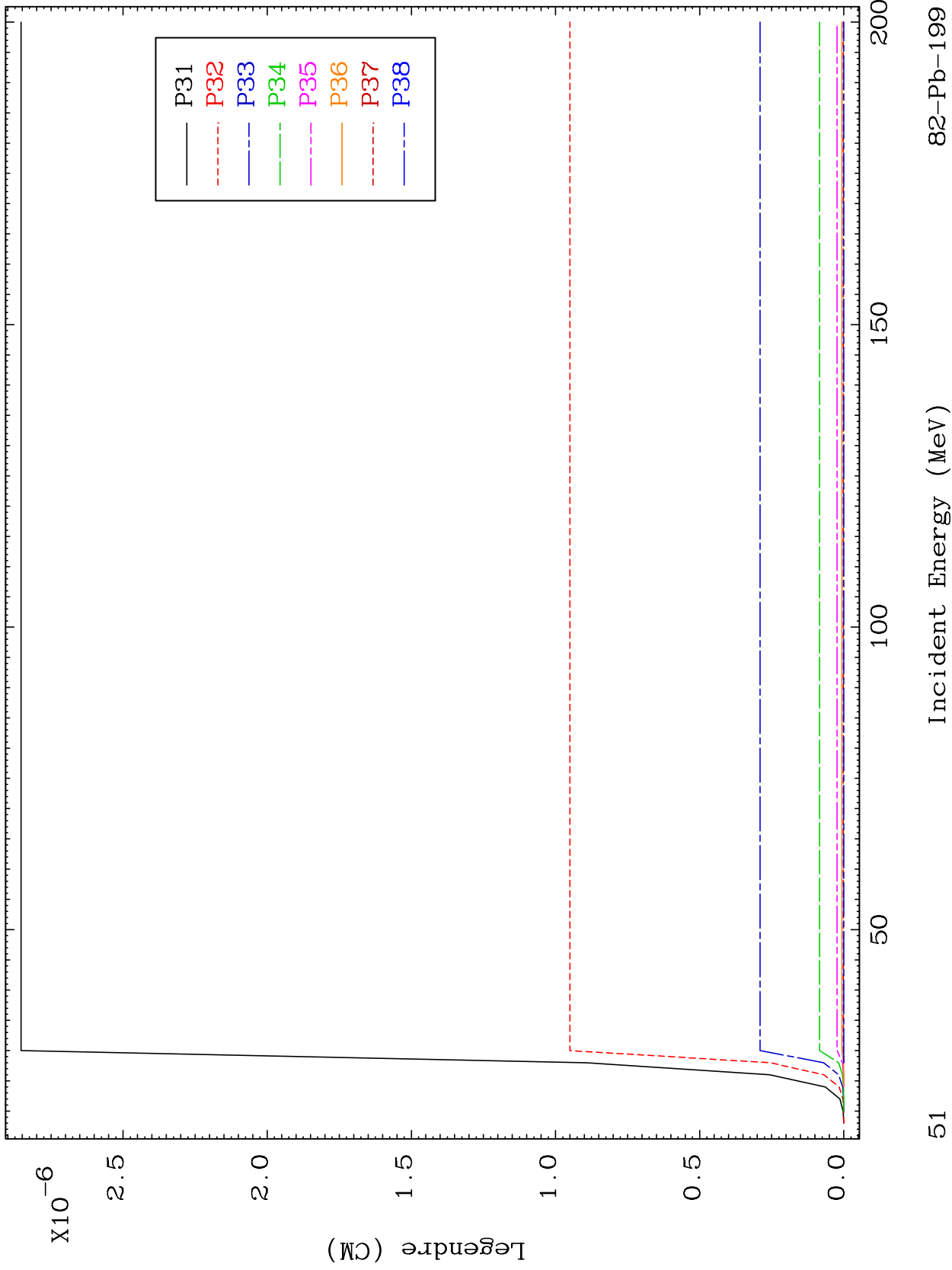
82-Pb-199



82-Pb-199

Incident Energy (MeV)

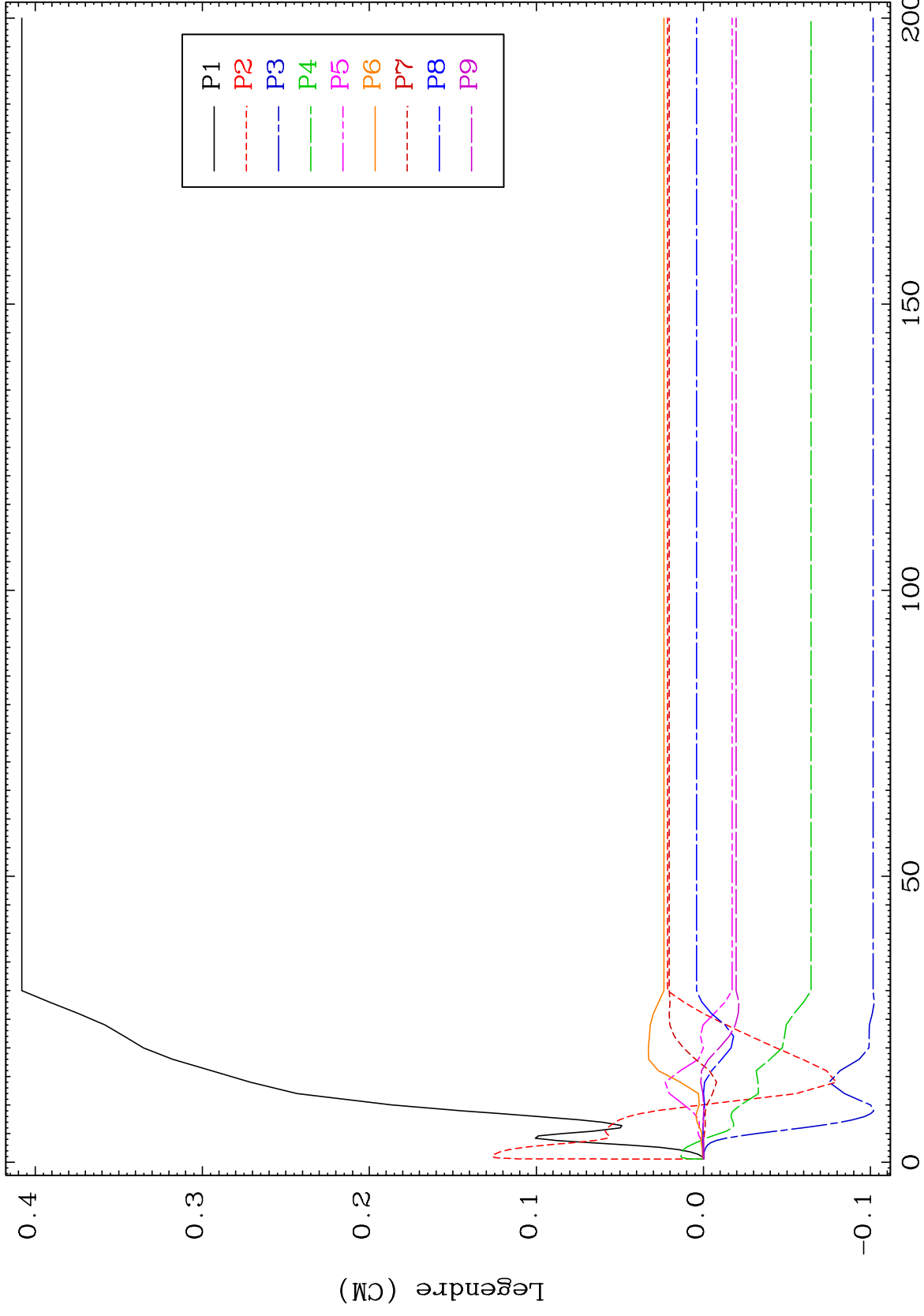
50



MAT 8210

539.7 keV (n,n') Level
Legendre Coefficients

82-Pb-199



52

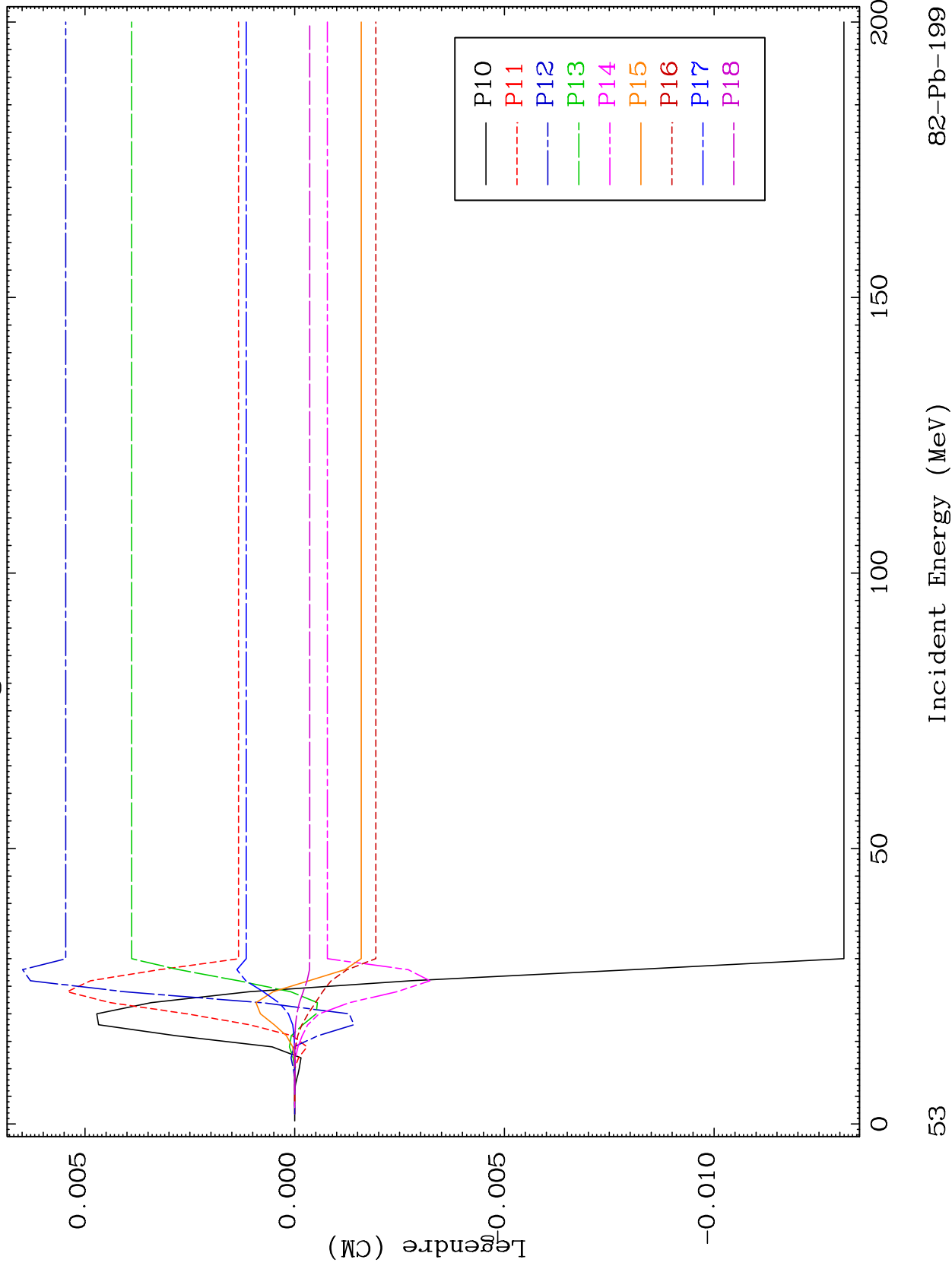
Incident Energy (MeV)

82-Pb-199

MAT 8210

539.7 keV (n,n') Level
Legendre Coefficients

82-Pb-199



53

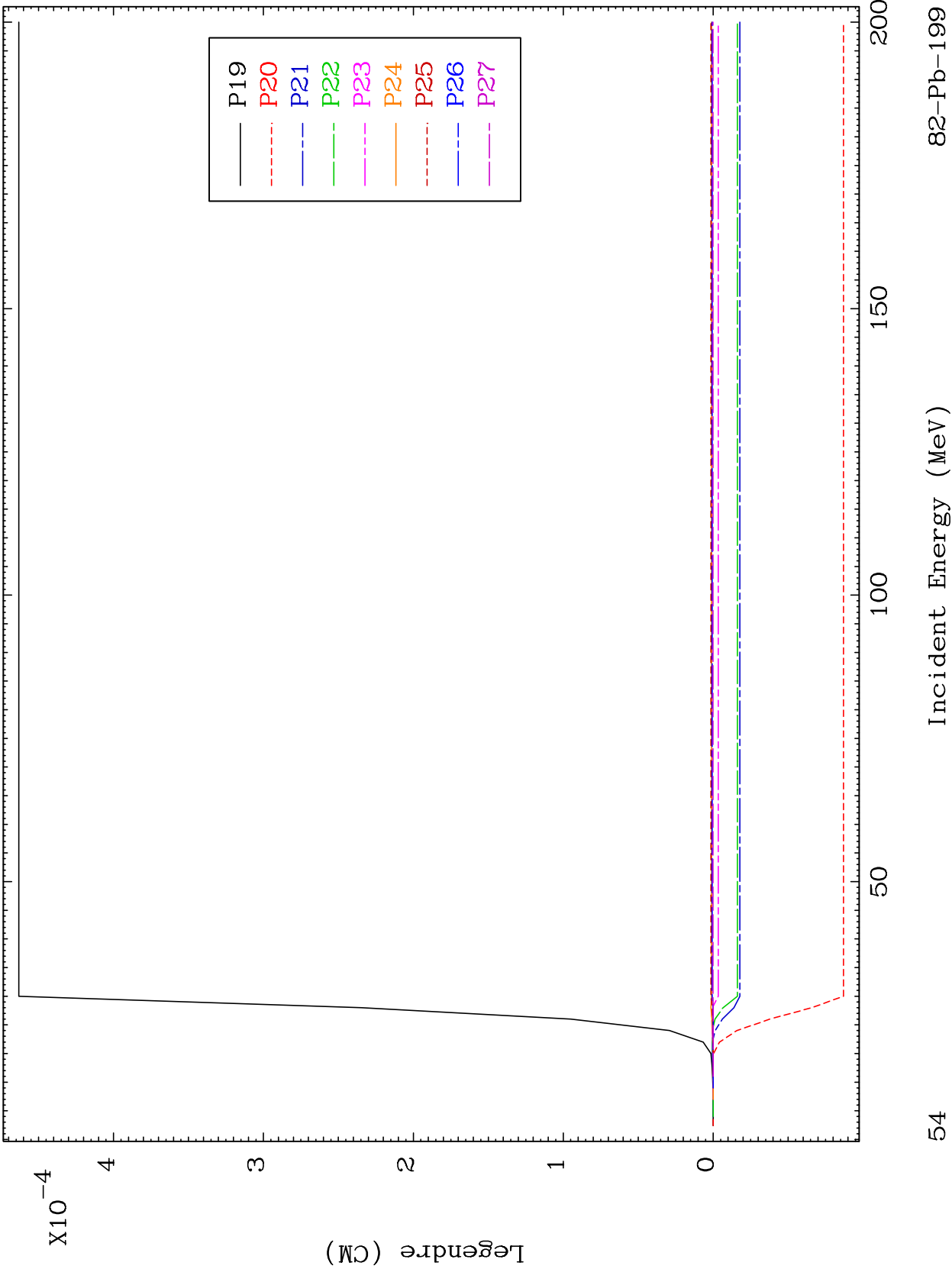
Incident Energy (MeV)

82-Pb-199

MAT 8210

539.7 keV (n,n') Level
Legendre Coefficients

82-Pb-199



54

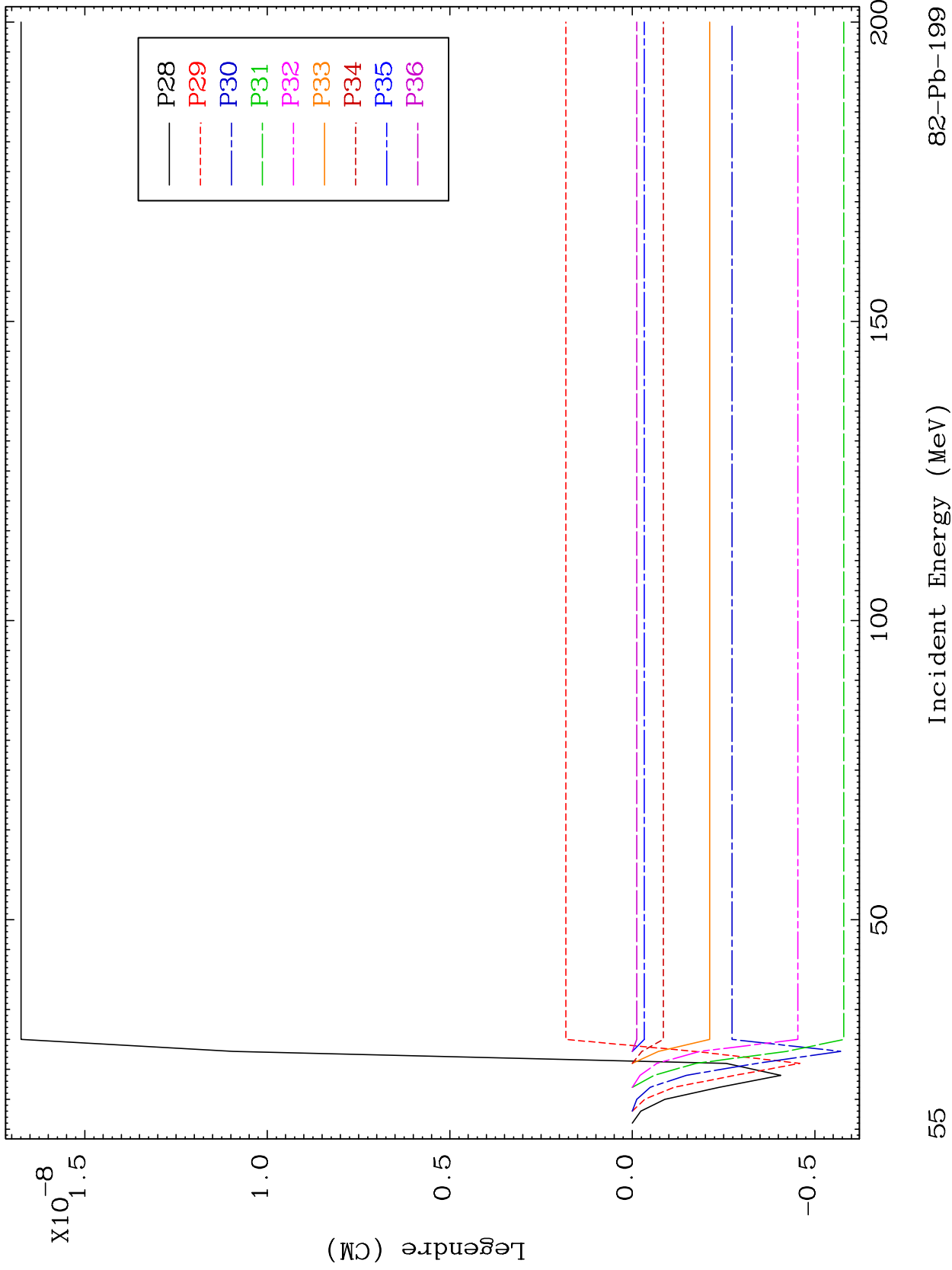
Incident Energy (MeV)

82-Pb-199

MAT 8210

539.7 keV (n,n') Level
Legendre Coefficients

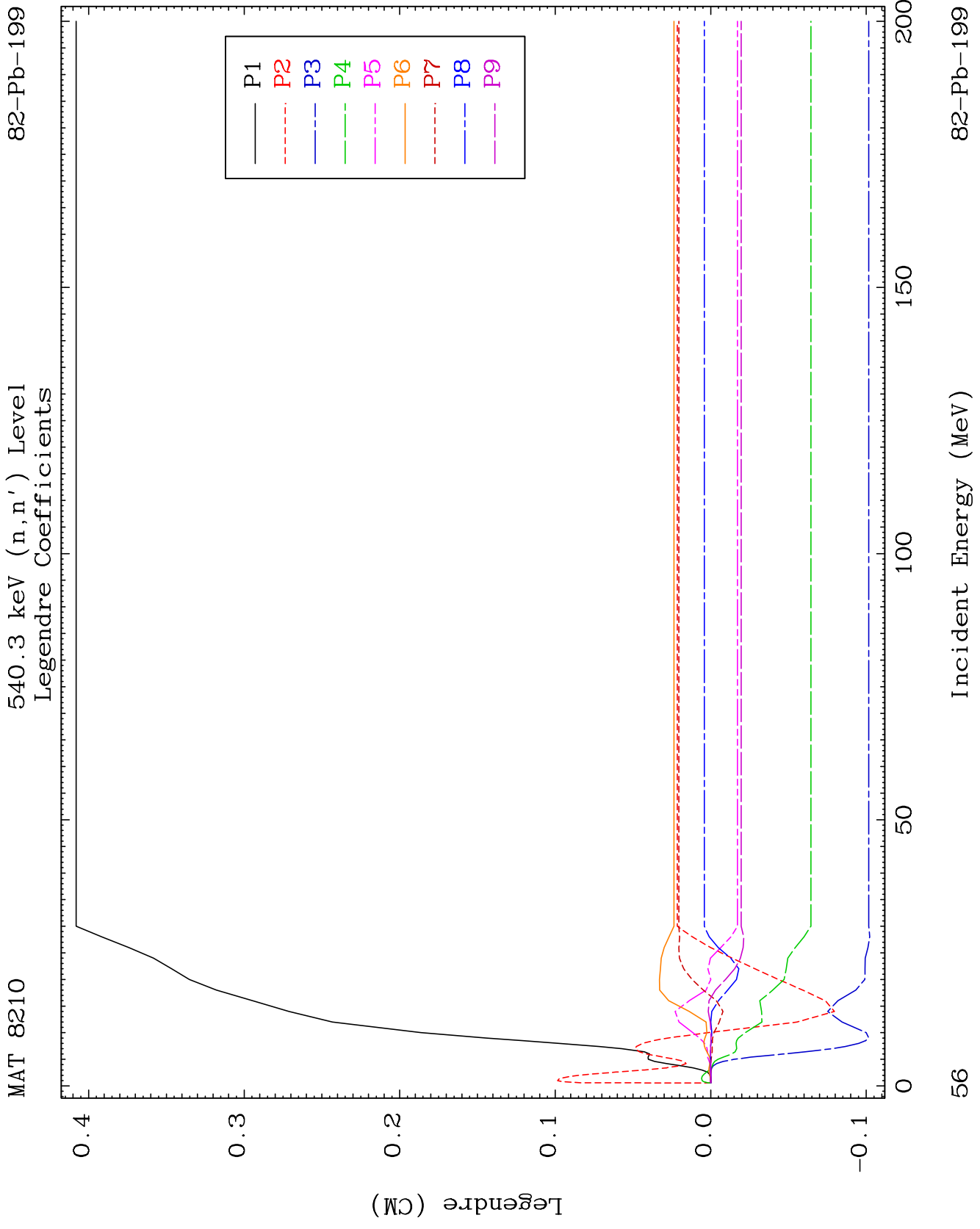
82-Pb-199



55

Incident Energy (MeV)

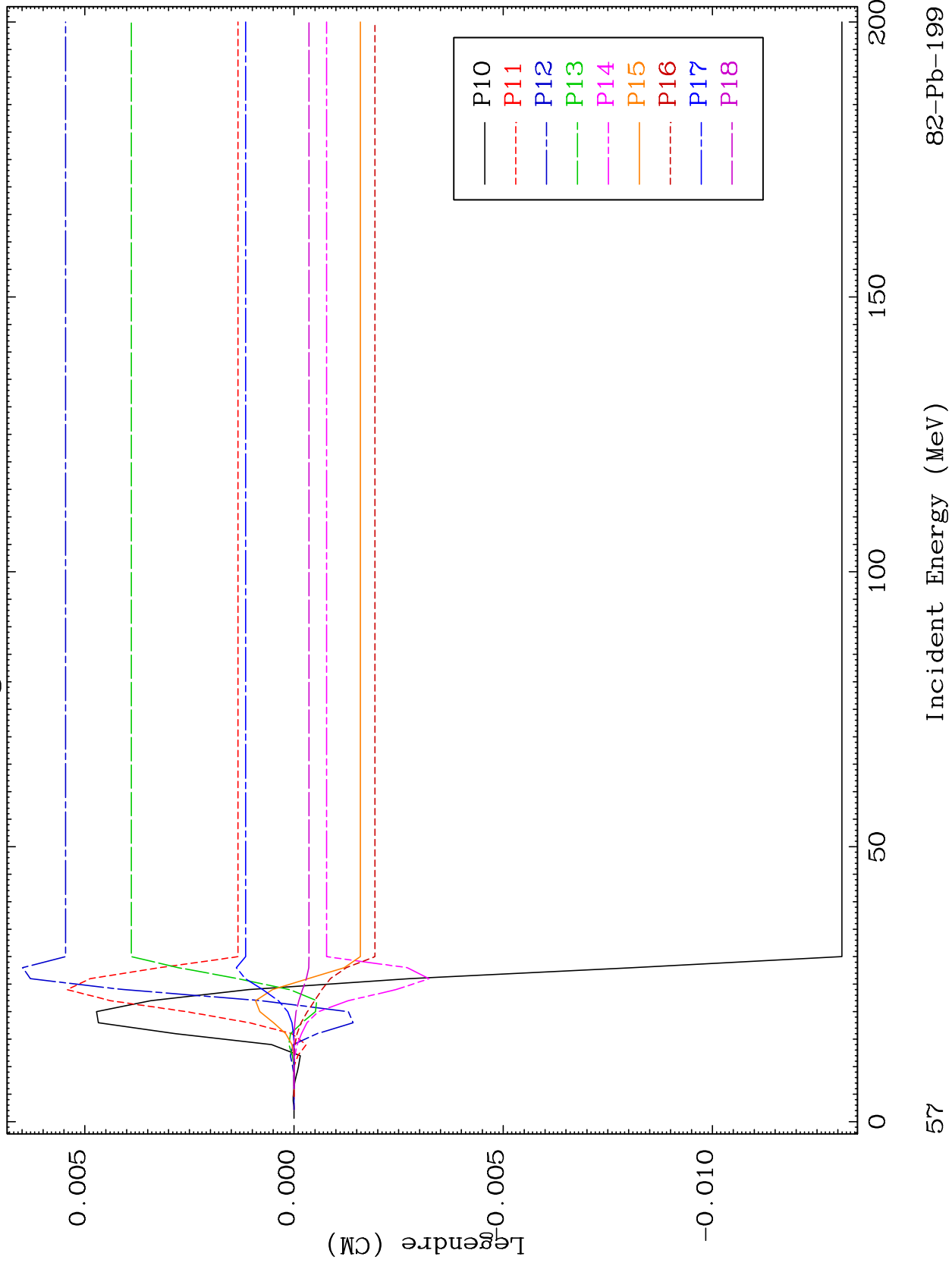
82-Pb-199



MAT 8210

540.3 keV (n,n') Level
Legendre Coefficients

82-Pb-199



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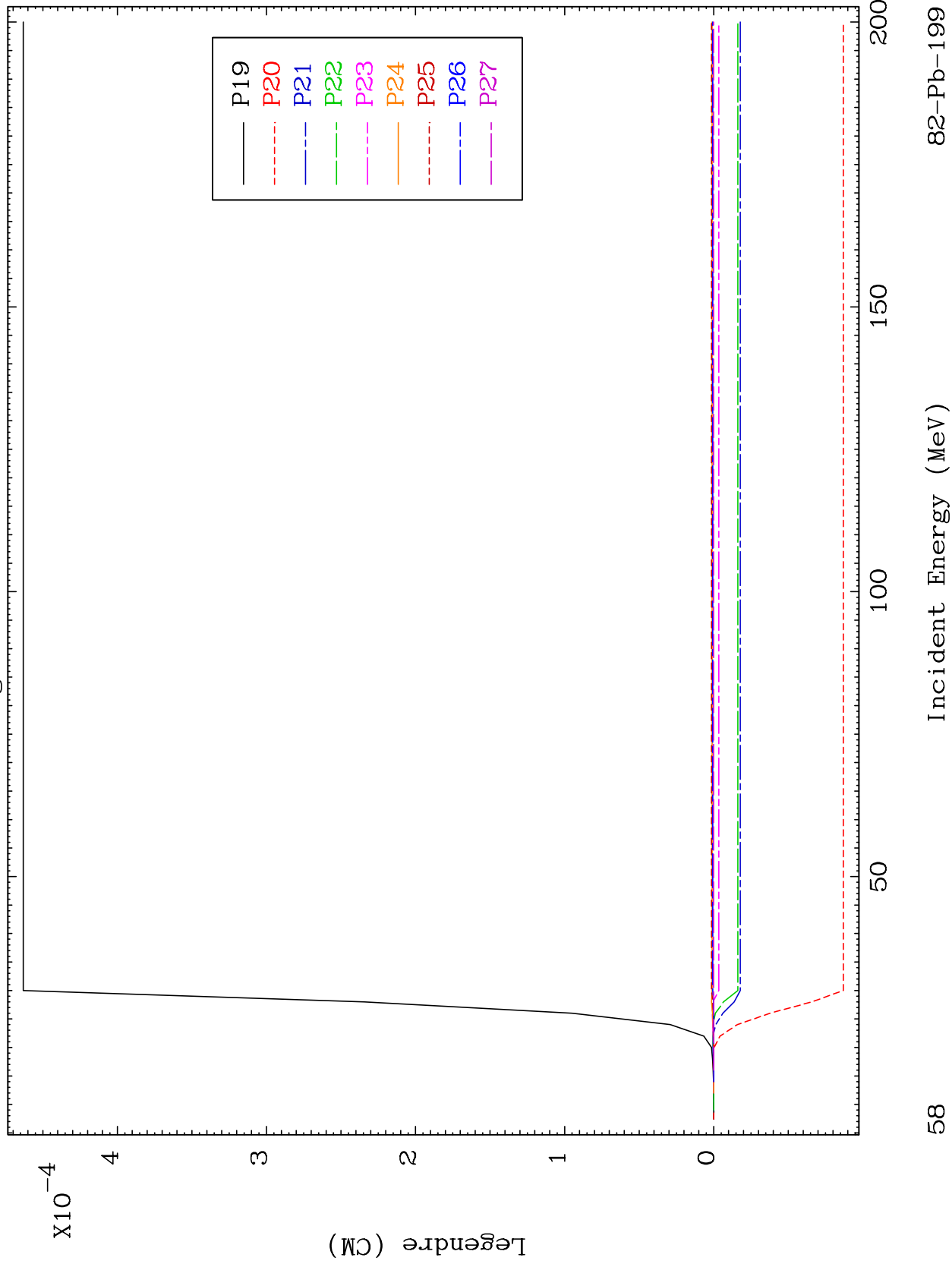
Incident Energy (MeV)

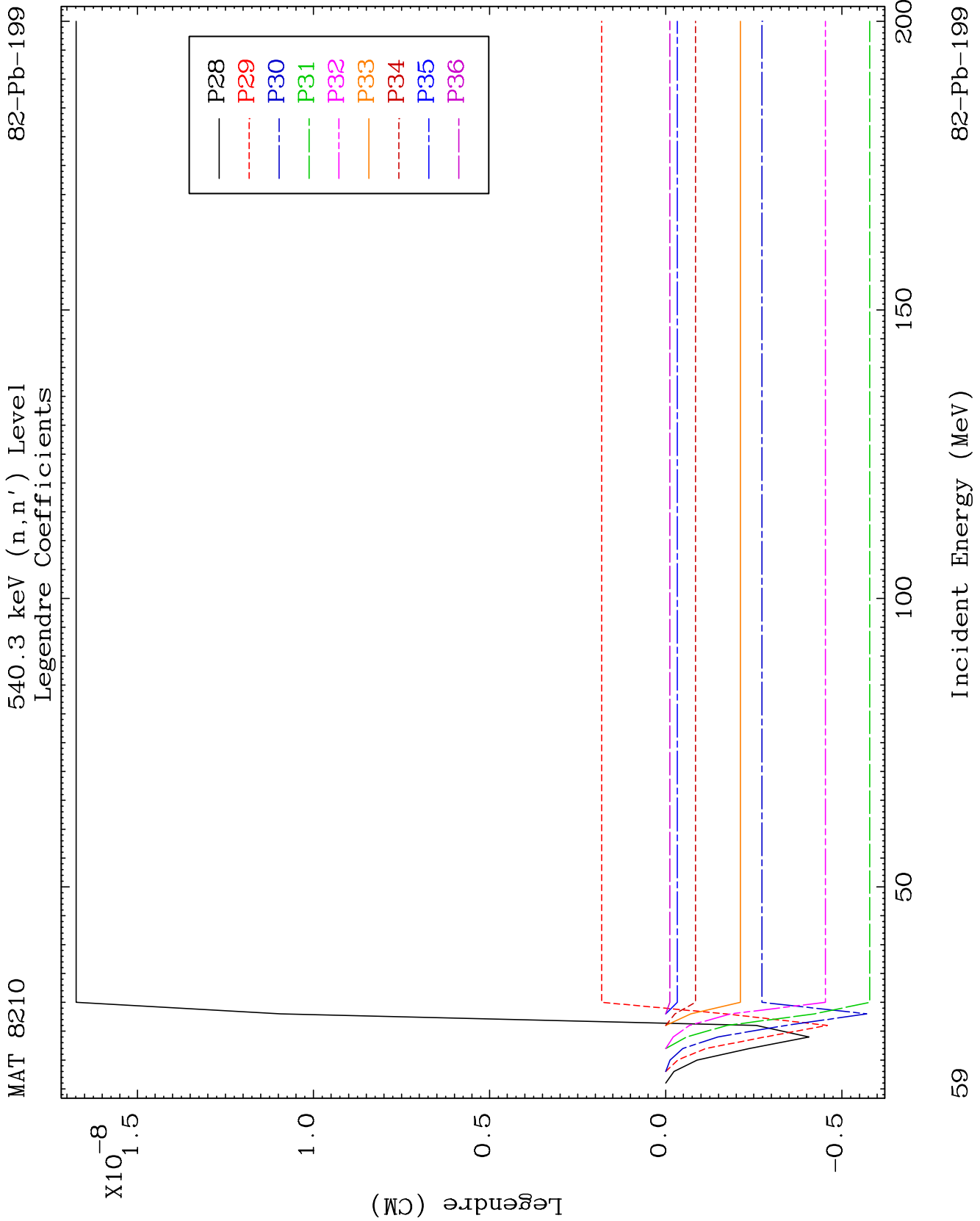
82-Pb-199

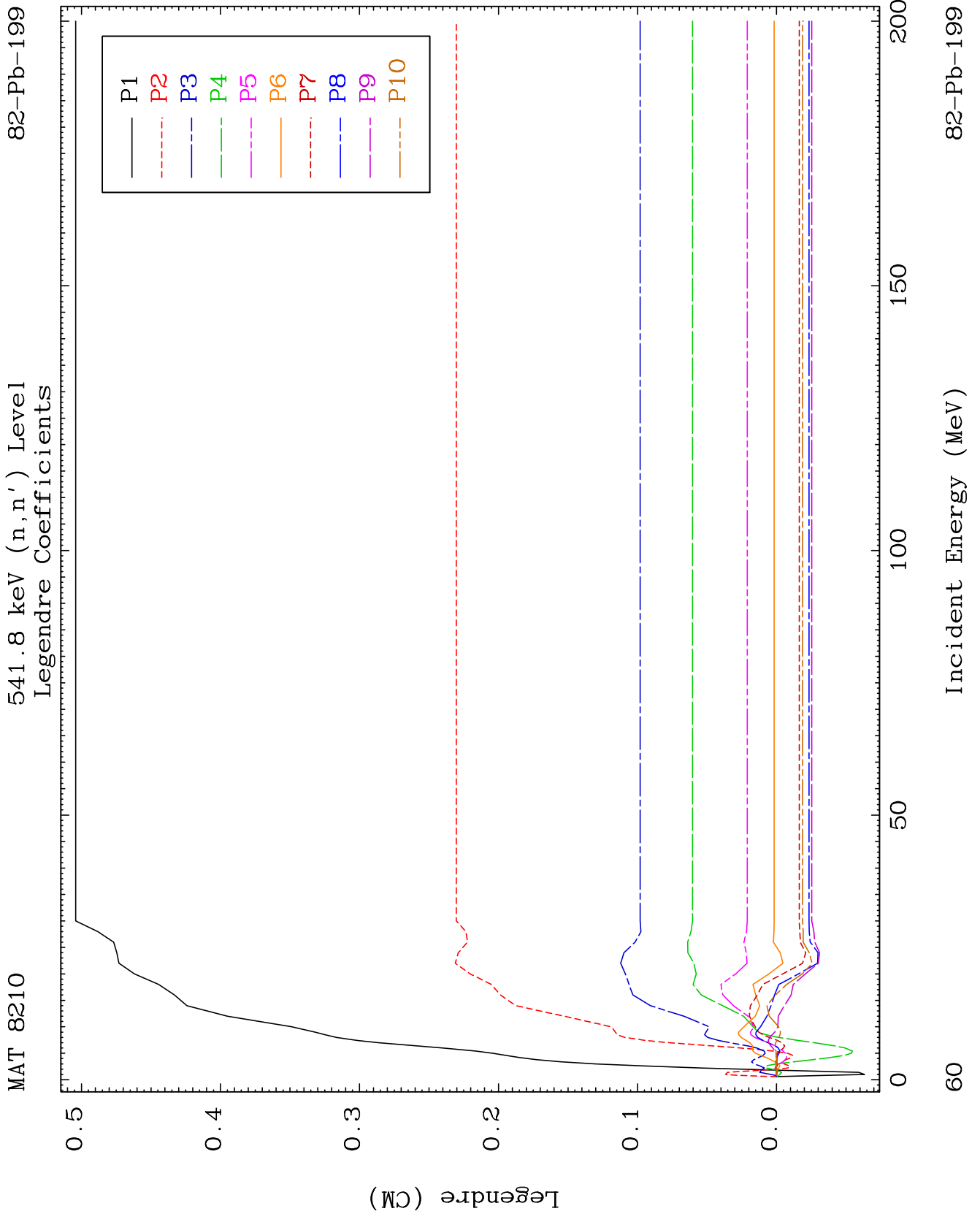
MAT 8210

540.3 keV (n,n') Level
Legendre Coefficients

82-Pb-199



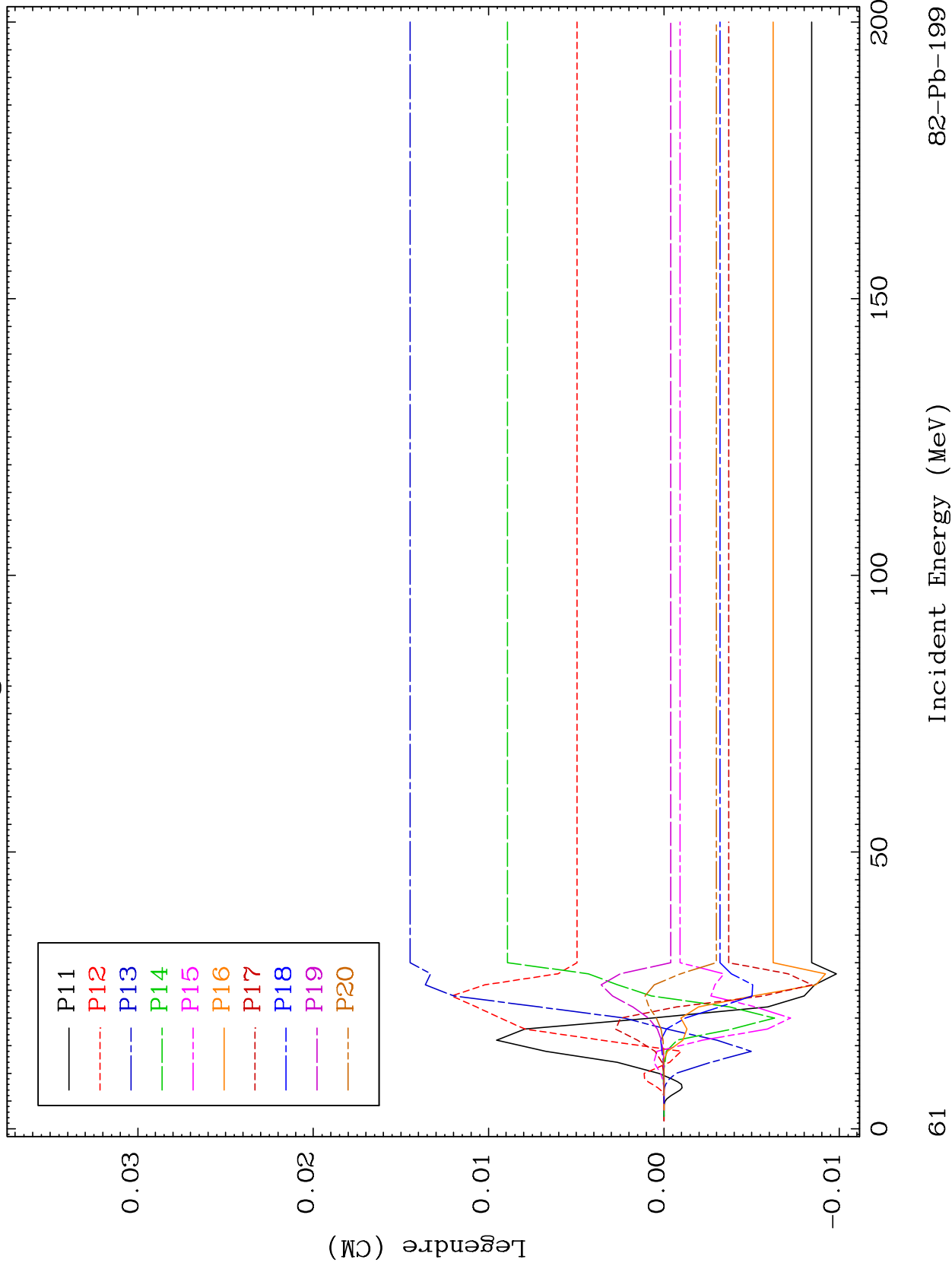




MAT 8210

541.8 keV (n,n') Level
Legendre Coefficients

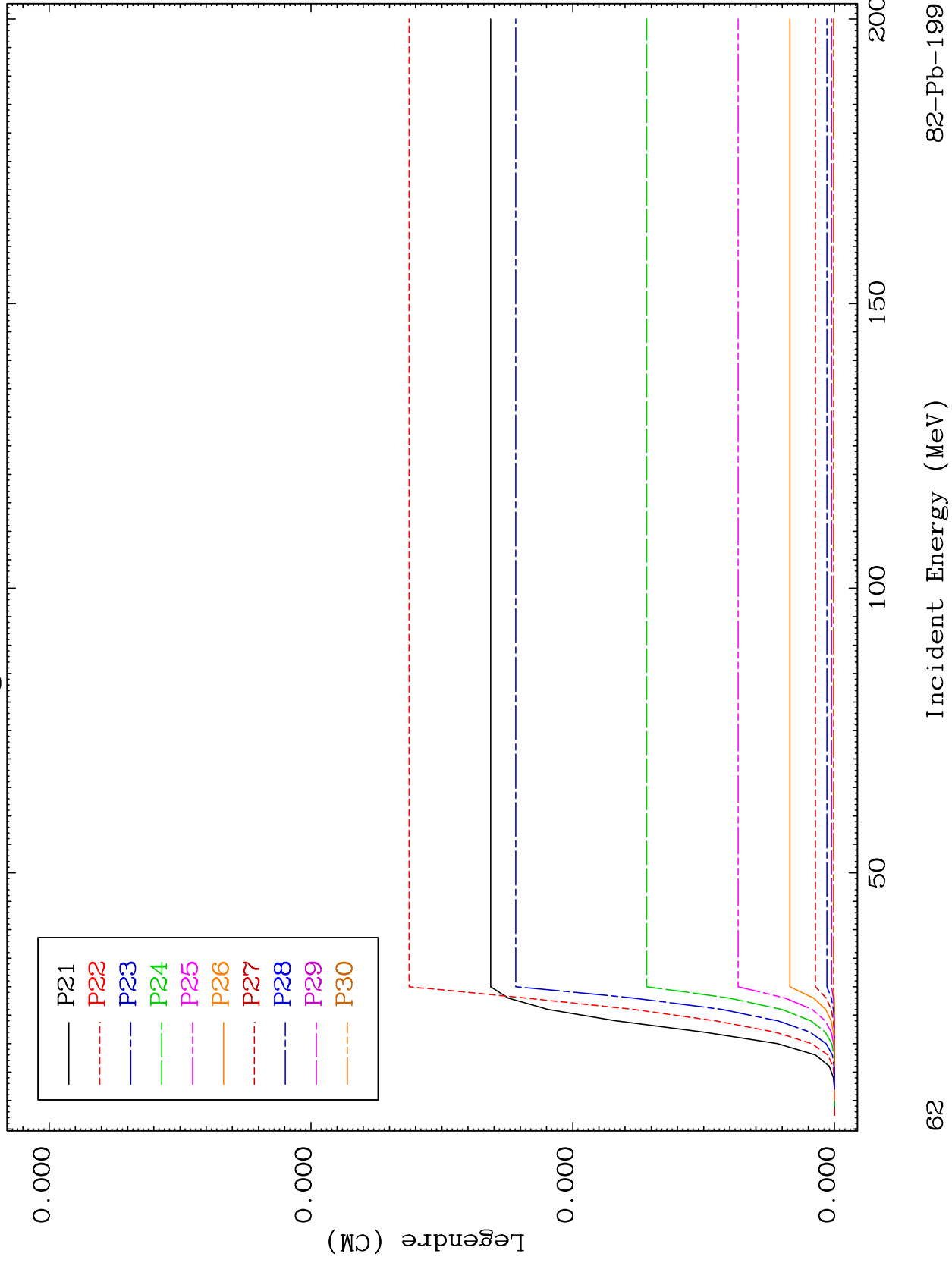
82-Pb-199



MAT 8210

541.8 keV (n,n') Level
Legendre Coefficients

82-Pb-199

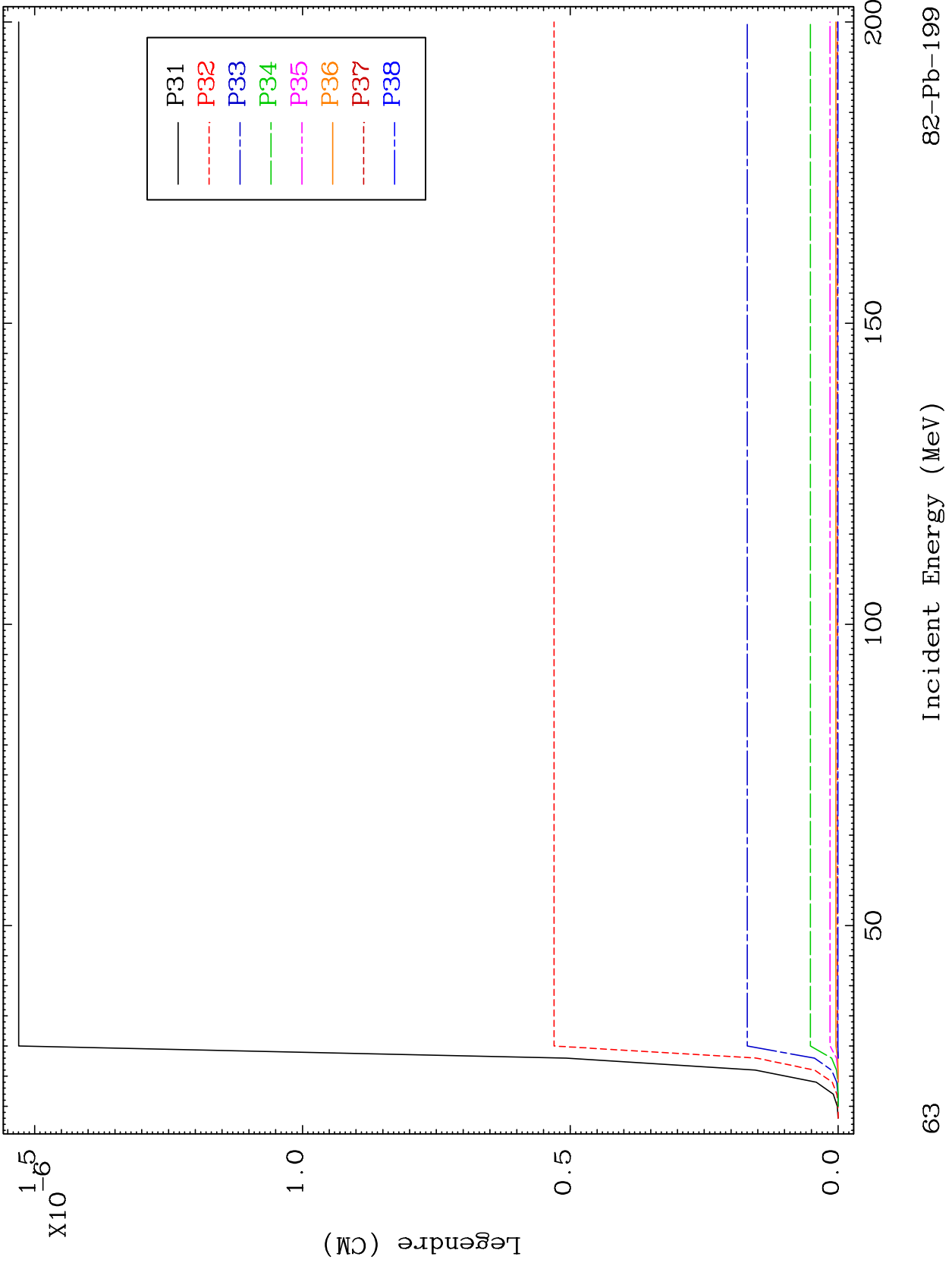


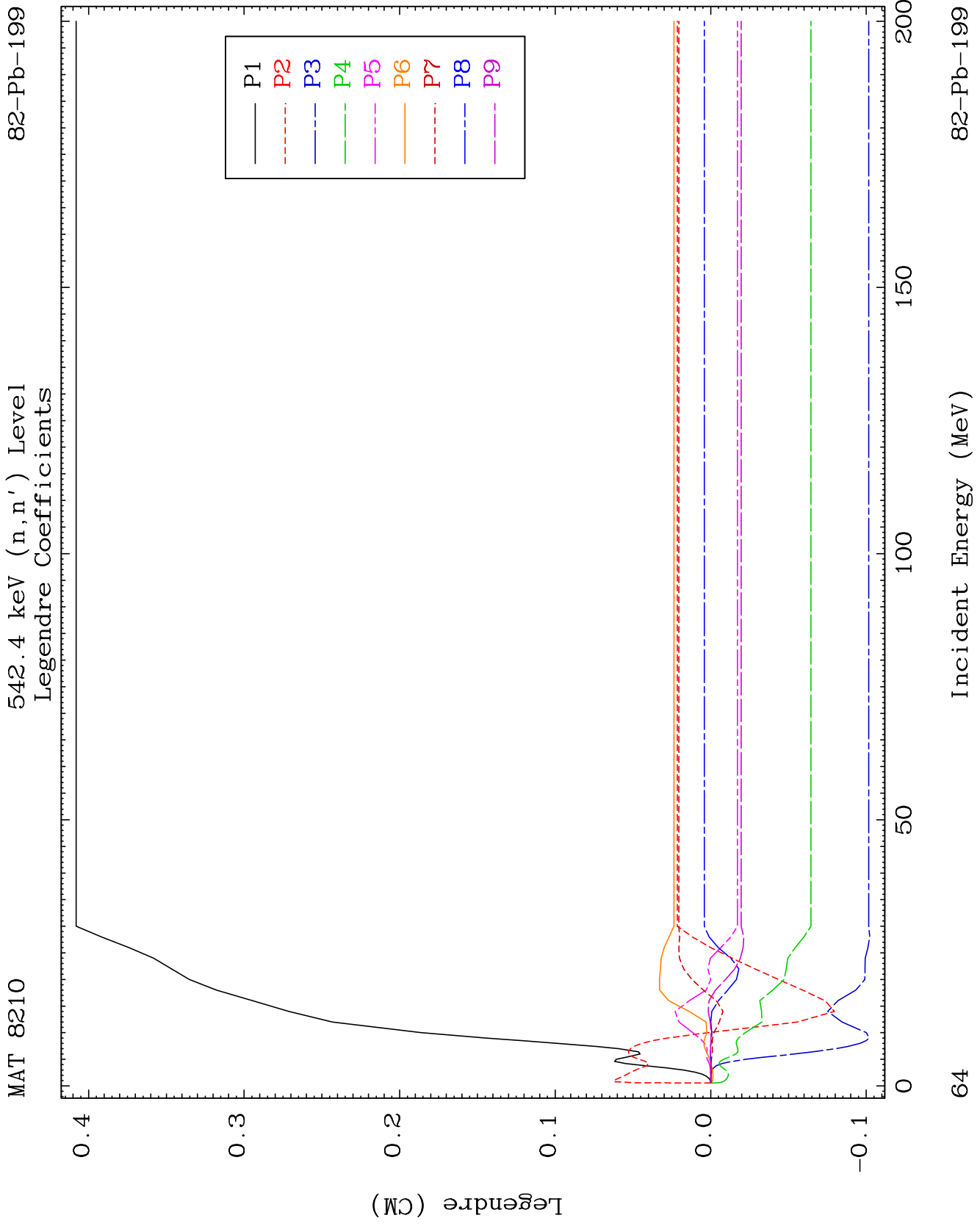
62

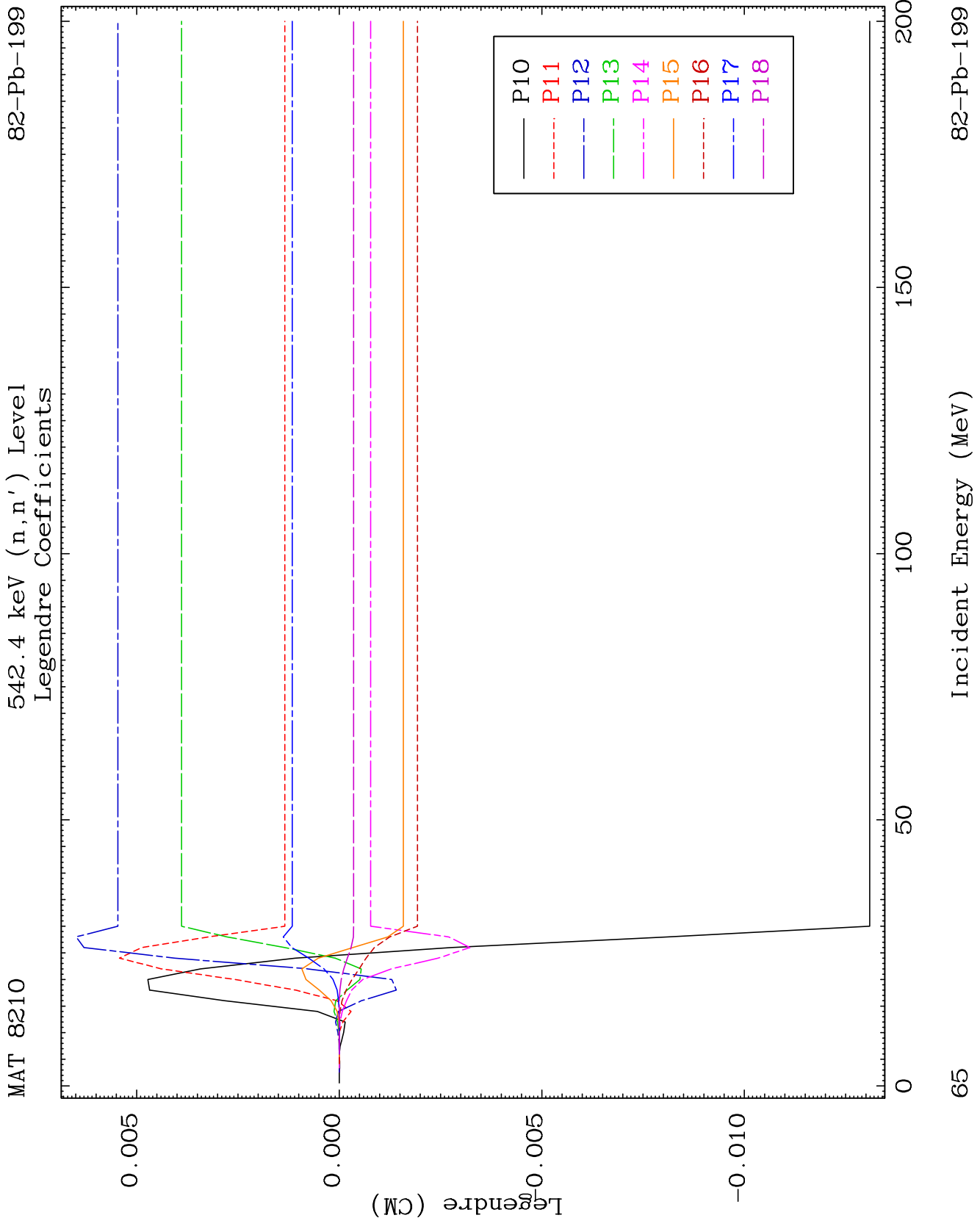
Incident Energy (MeV)

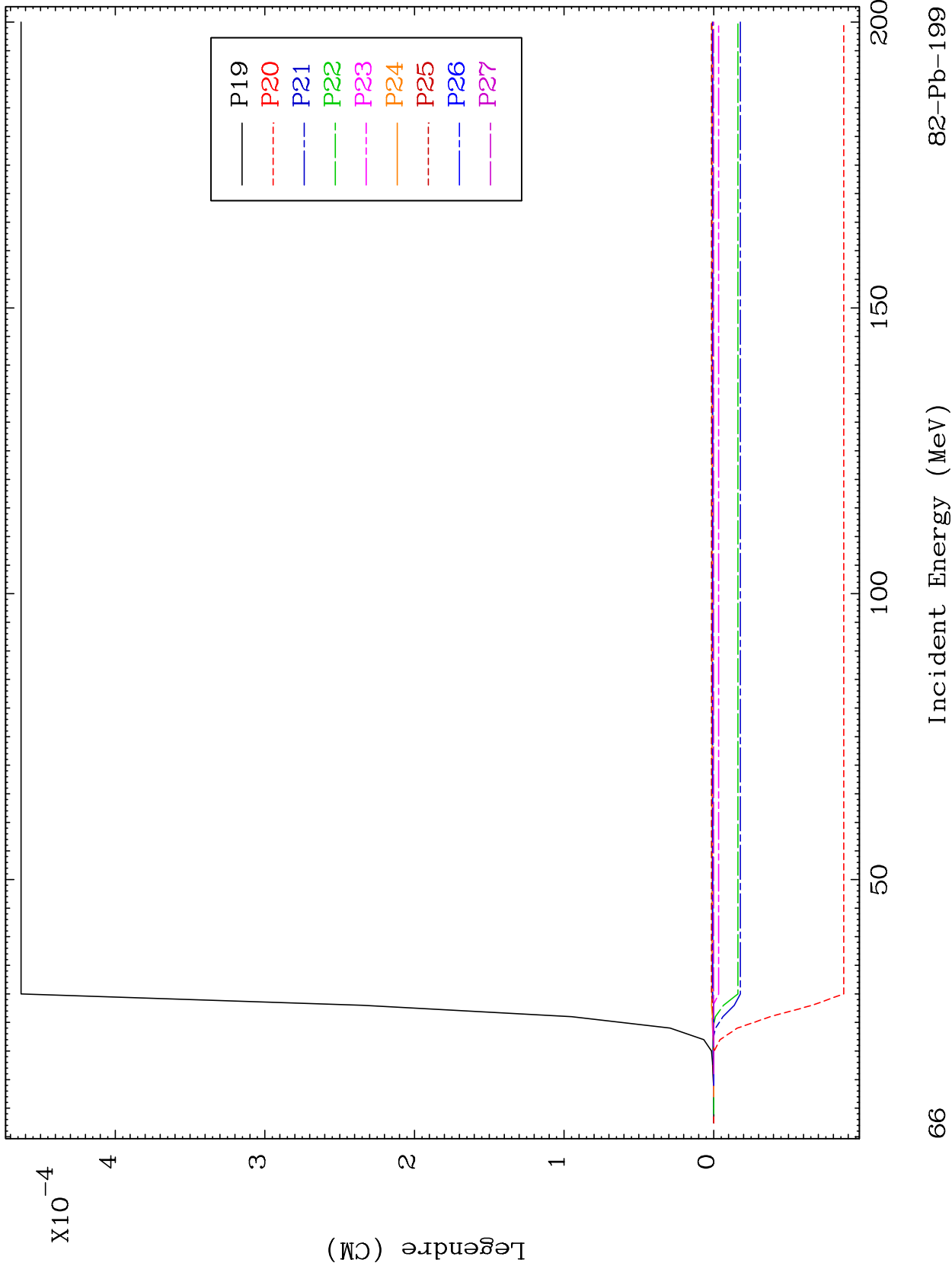
82-Pb-199

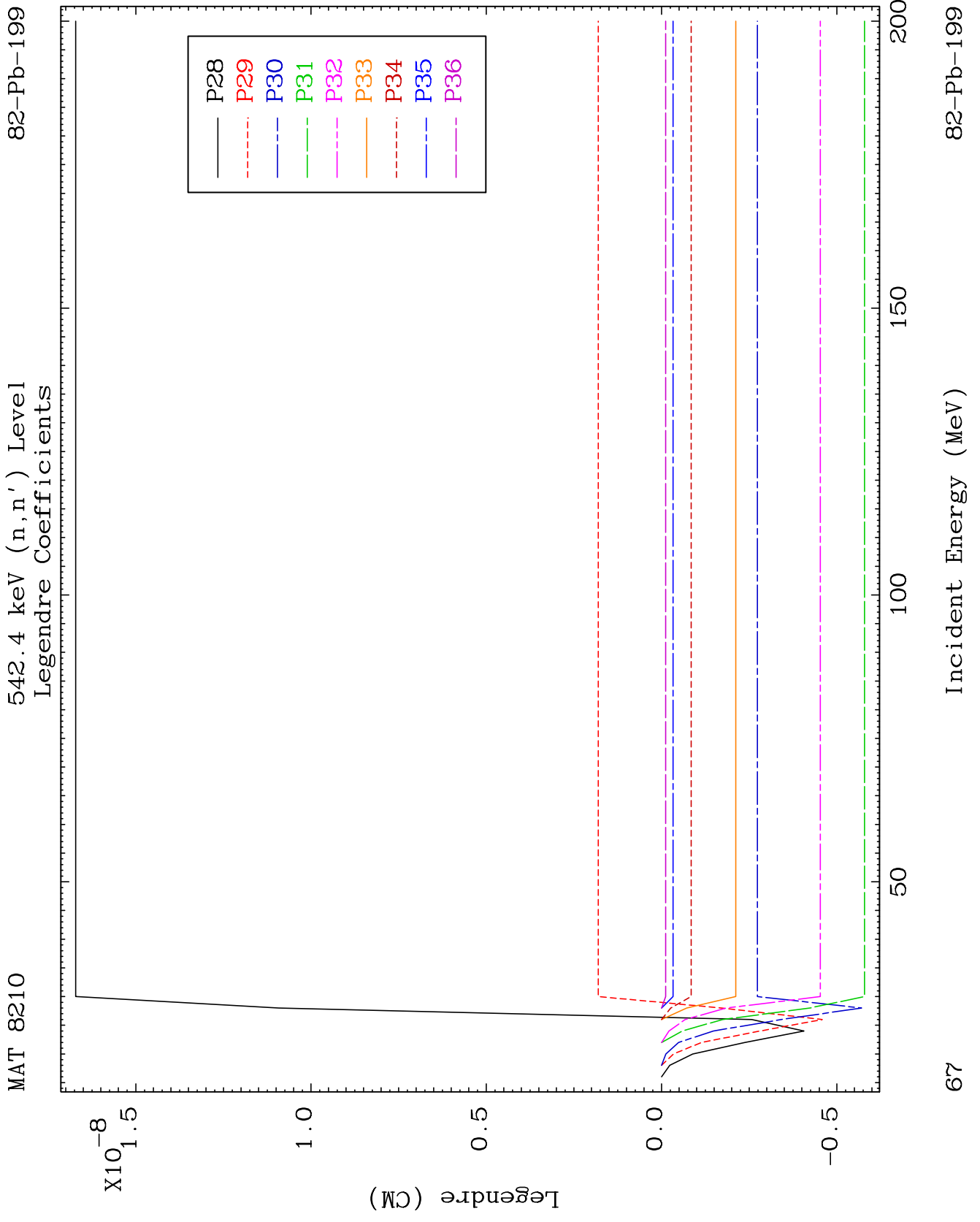
MAT 8210 541.8 keV (n,n') Level Legendre Coefficients 82-Pb-199

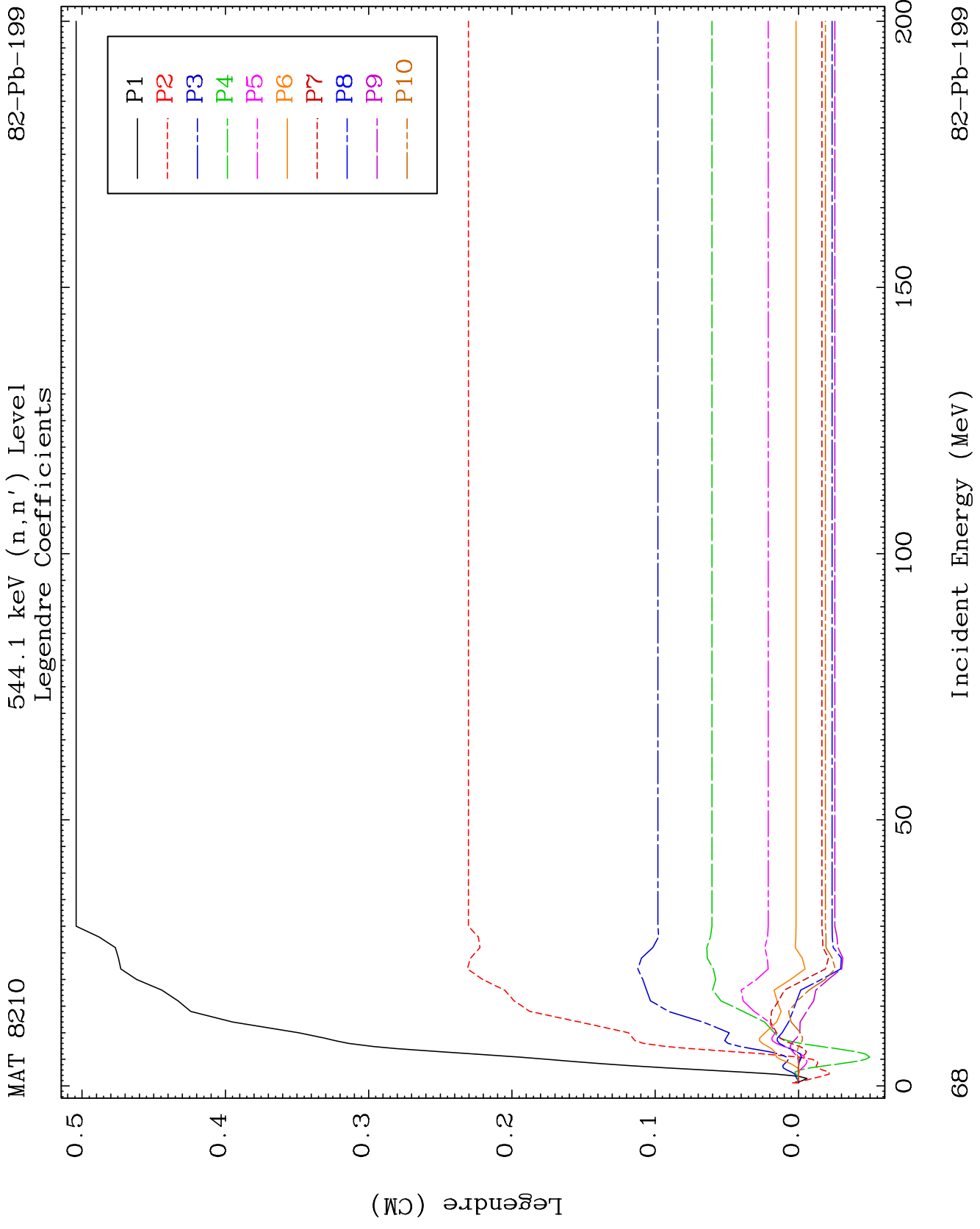








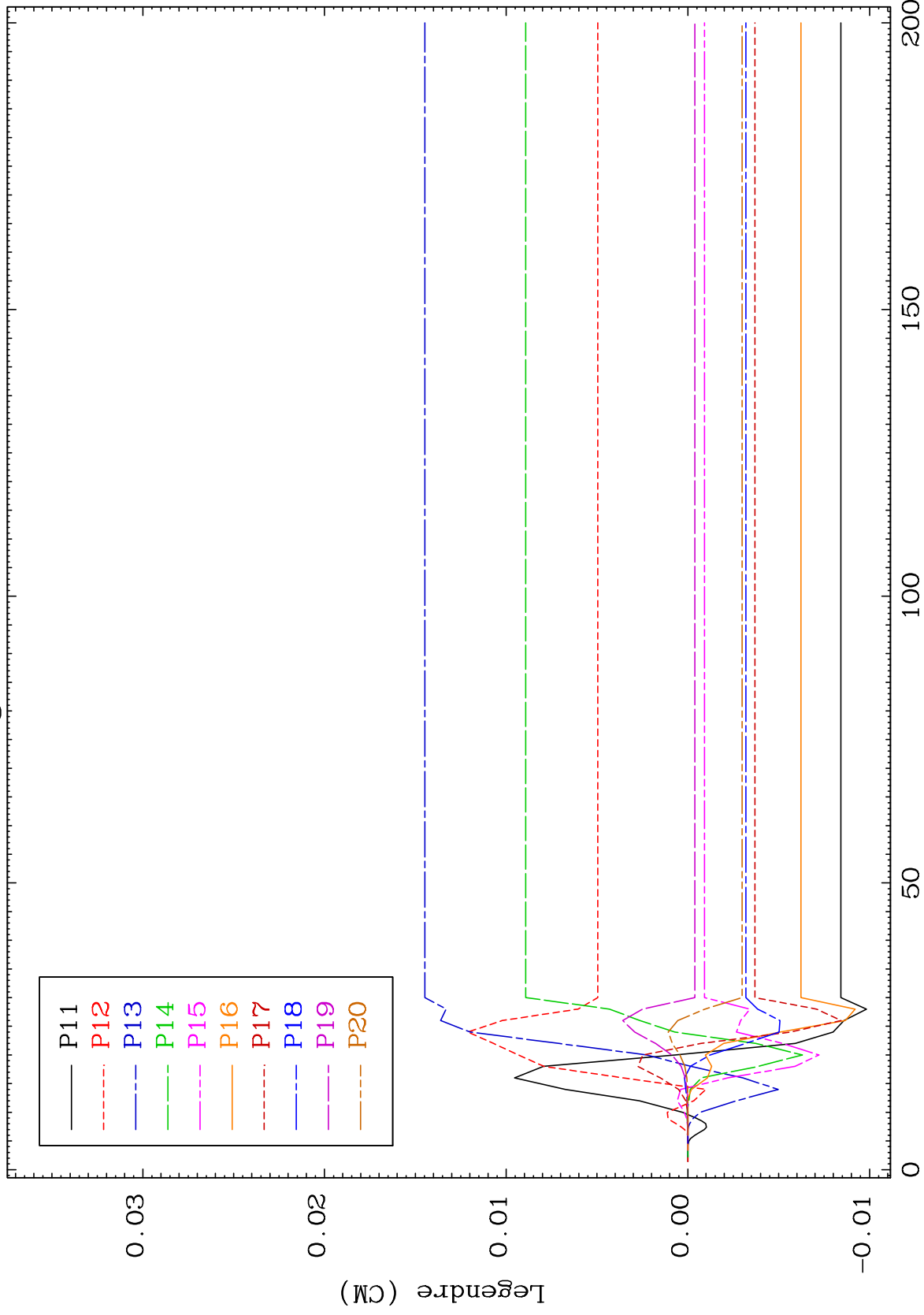




MAT 8210

544.1 keV (n, n') Level
Legendre Coefficients

82-Pb-199



69

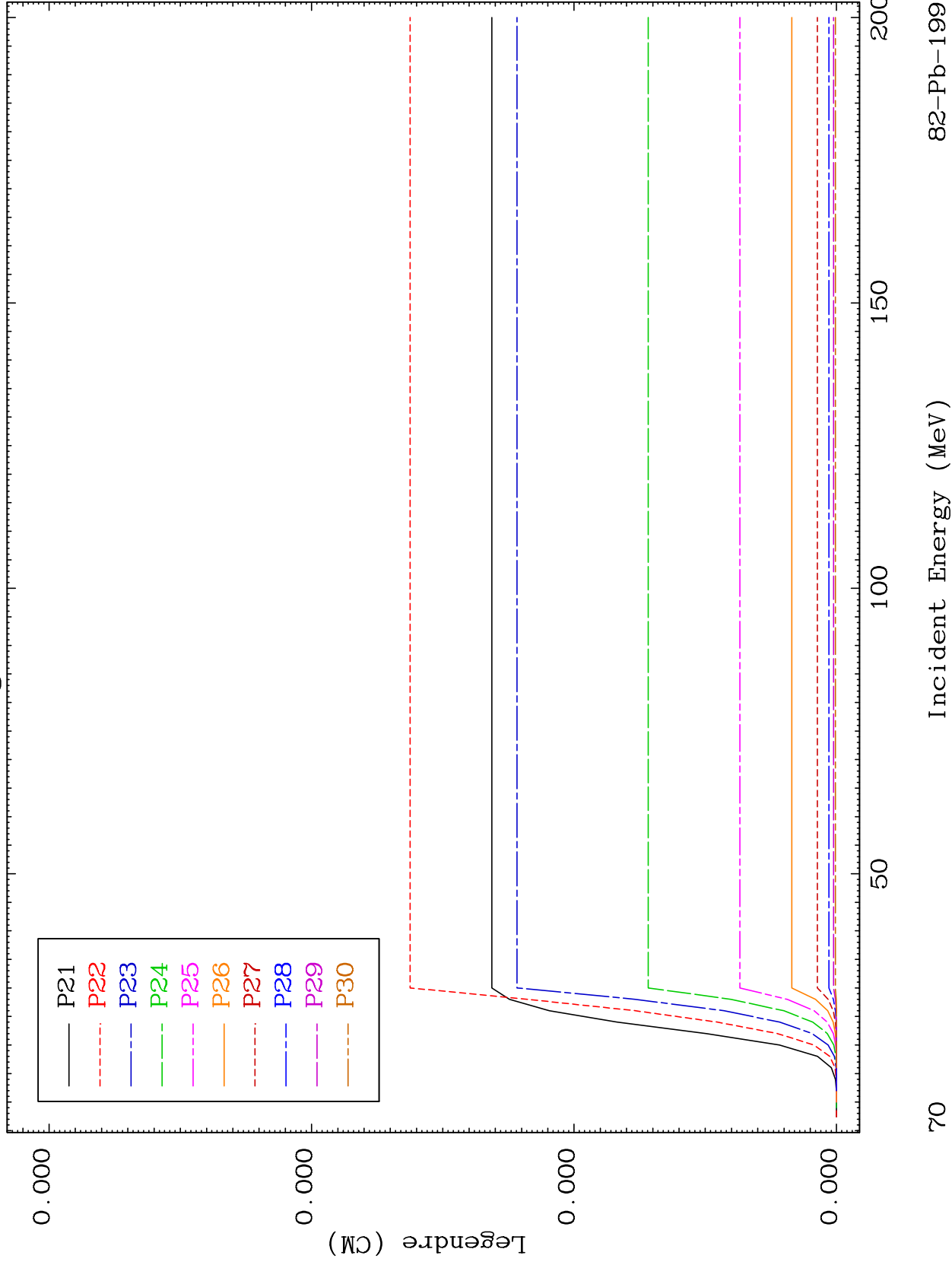
Incident Energy (MeV)

82-Pb-199

MAT 8210

544.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



70

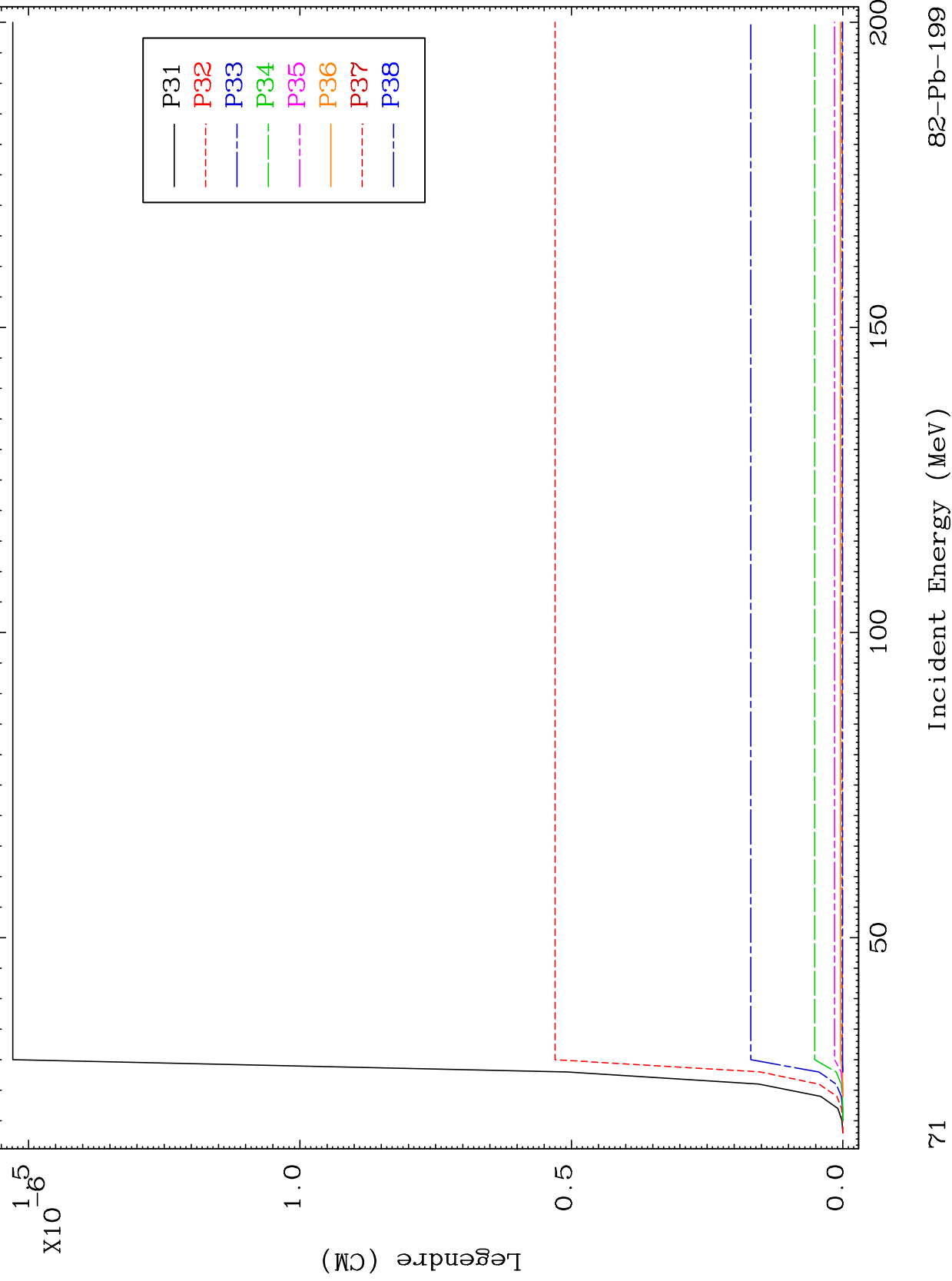
Incident Energy (MeV)

82-Pb-199

MAT 8210

544.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



71

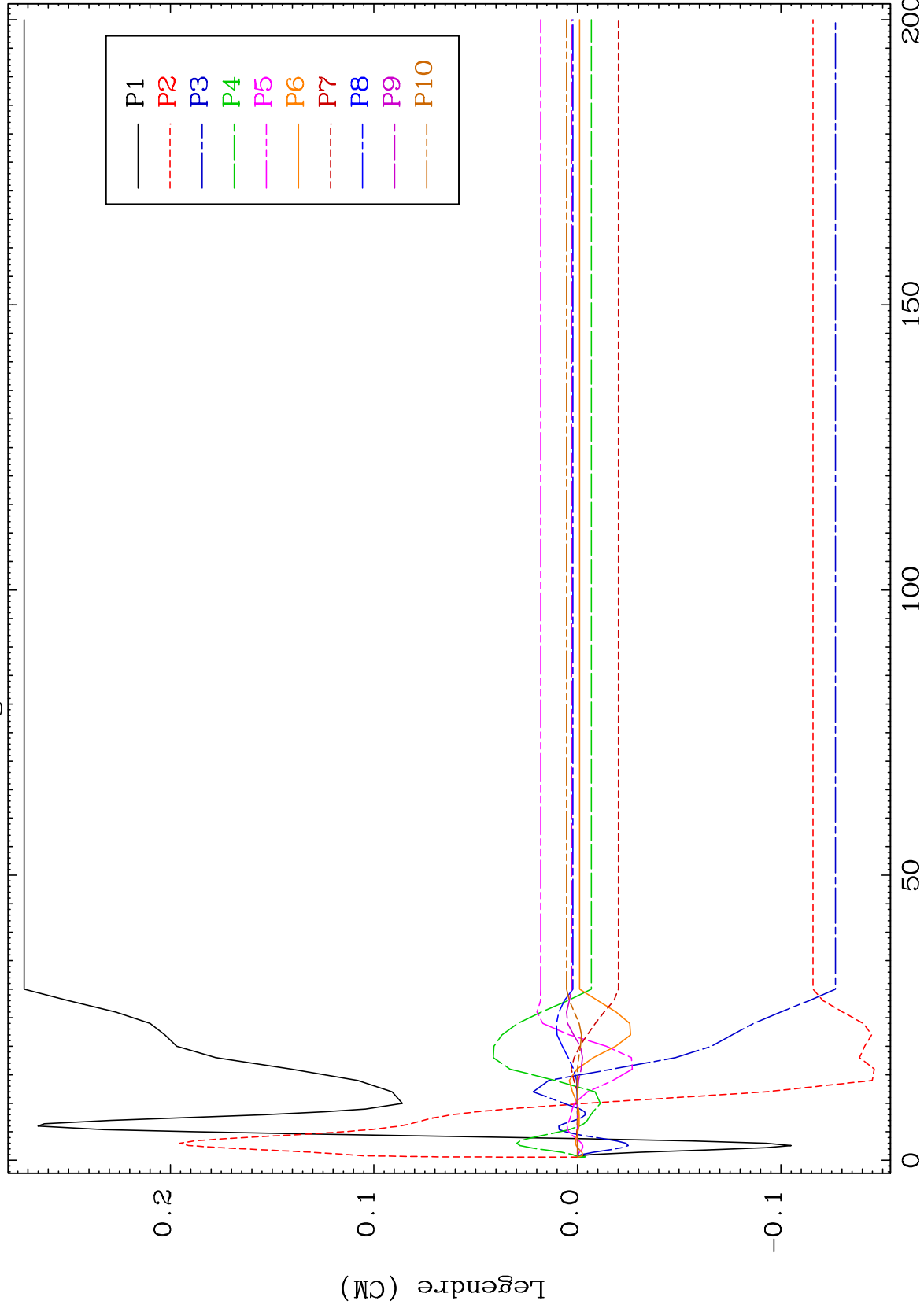
Incident Energy (MeV)

82-Pb-199

MAT 8210

546.1 keV (n,n') Level
Legendre Coefficients

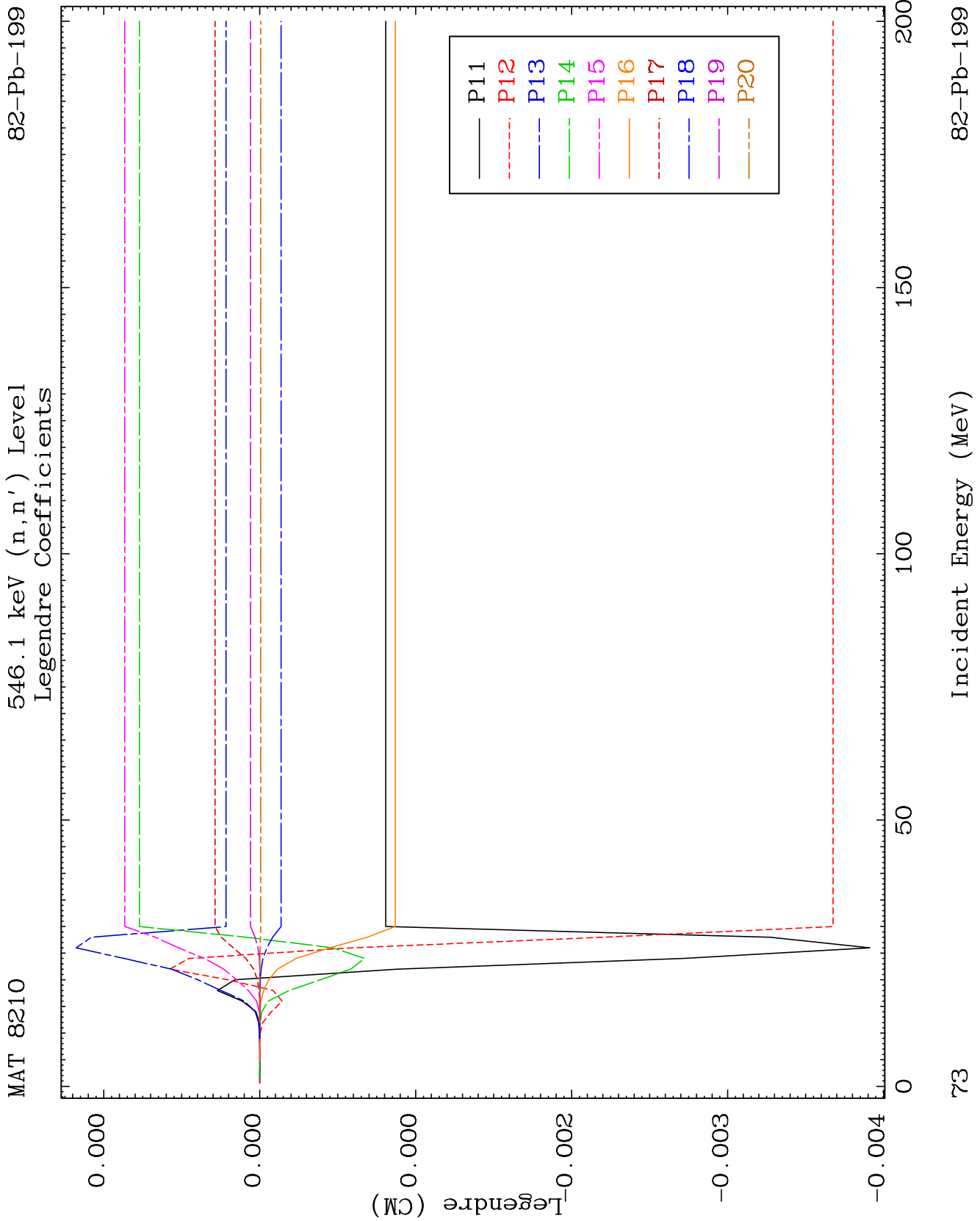
82-Pb-199

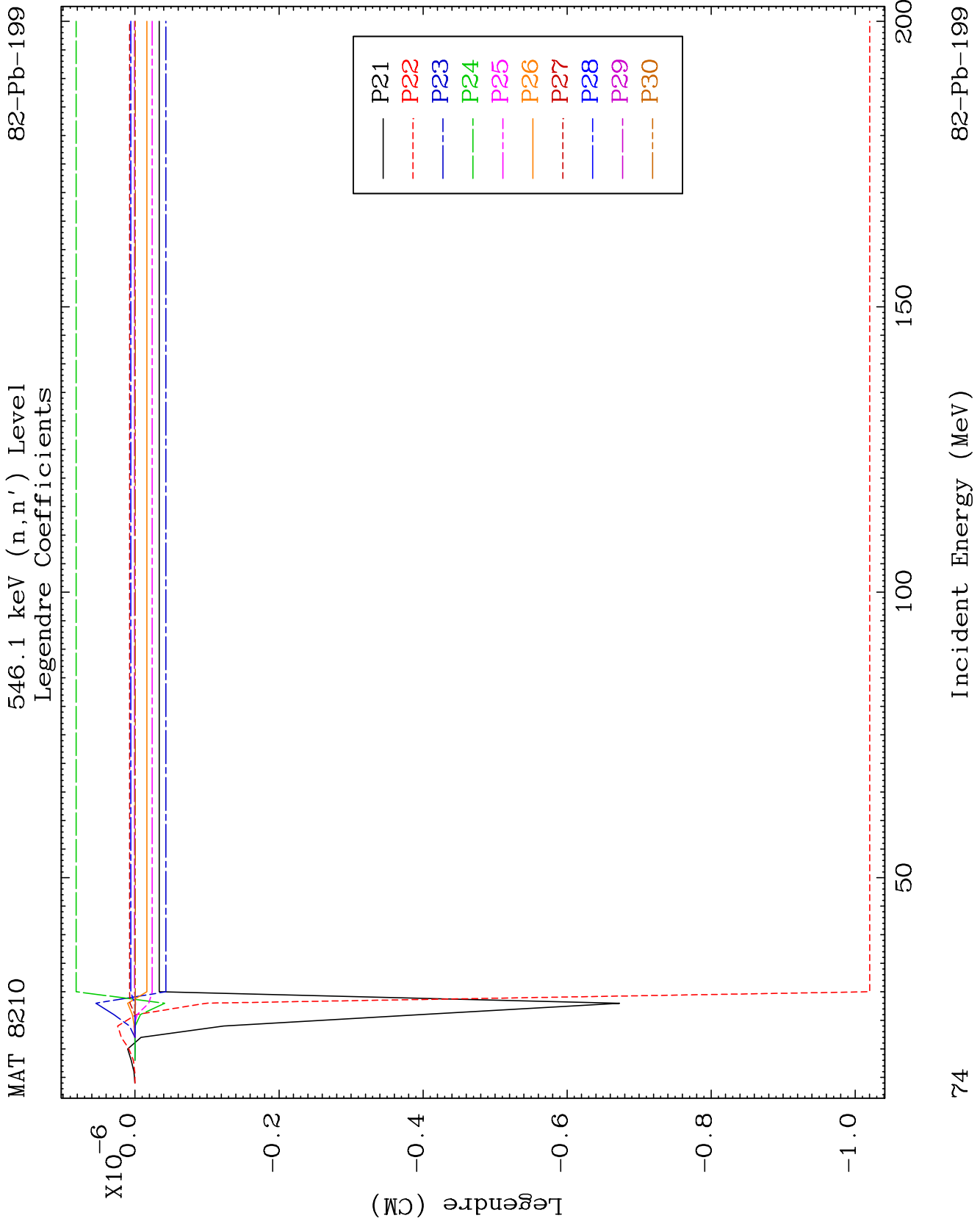


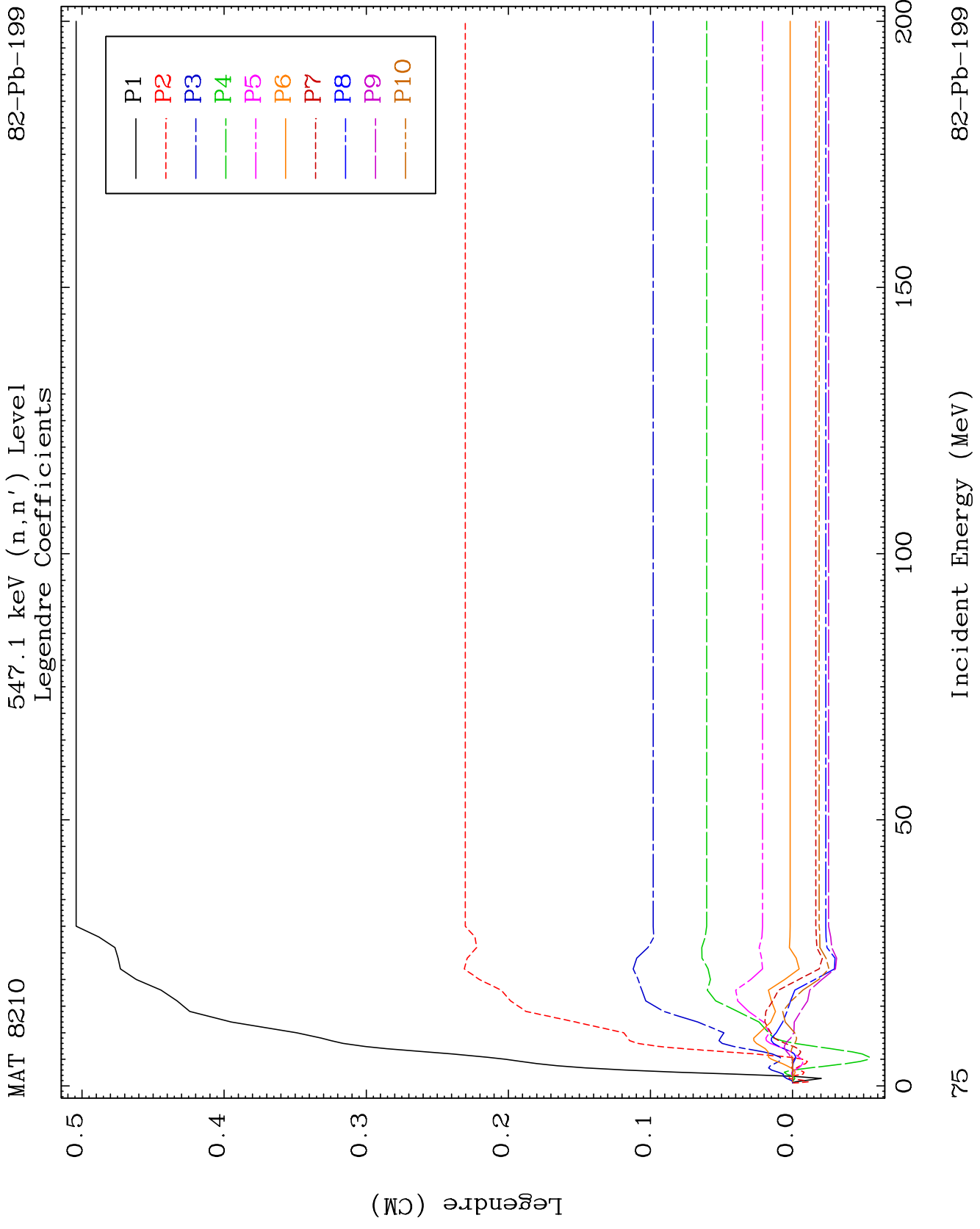
72

Incident Energy (MeV)

82-Pb-199



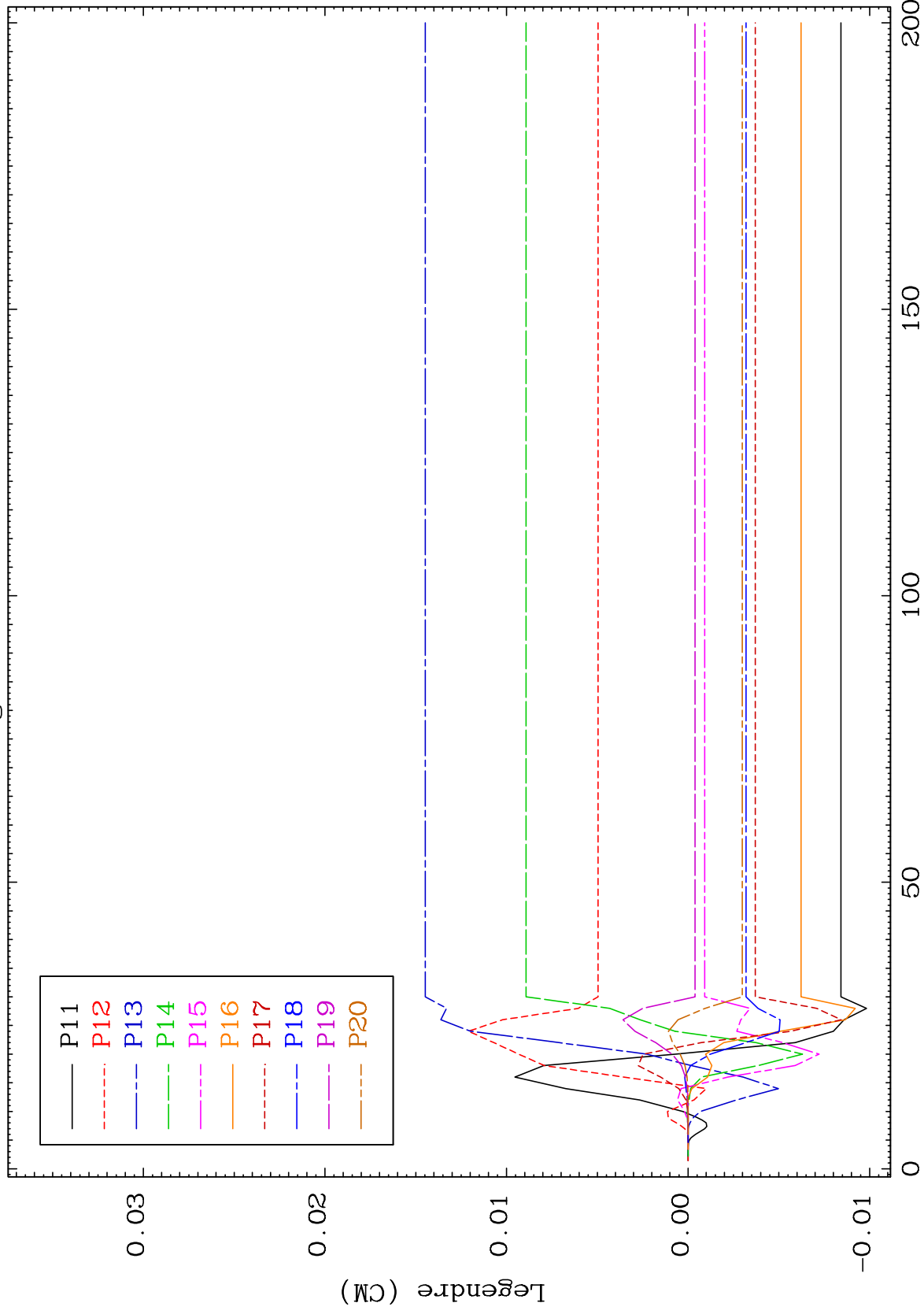




MAT 8210

547.1 keV (n, n') Level
Legendre Coefficients

82-Pb-199



76

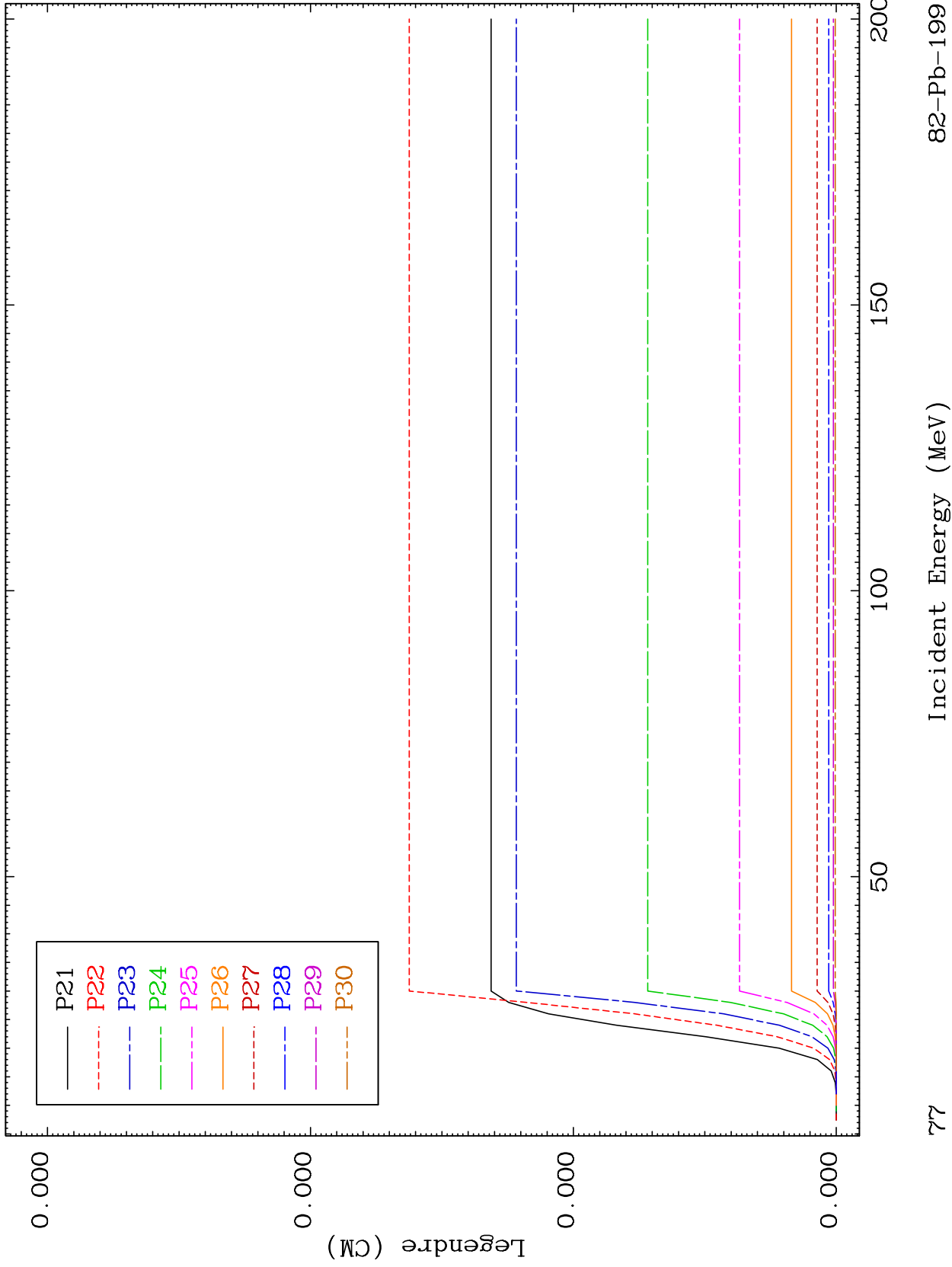
Incident Energy (MeV)

82-Pb-199

MAT 8210

547.1 keV (n,n') Level
Legendre Coefficients

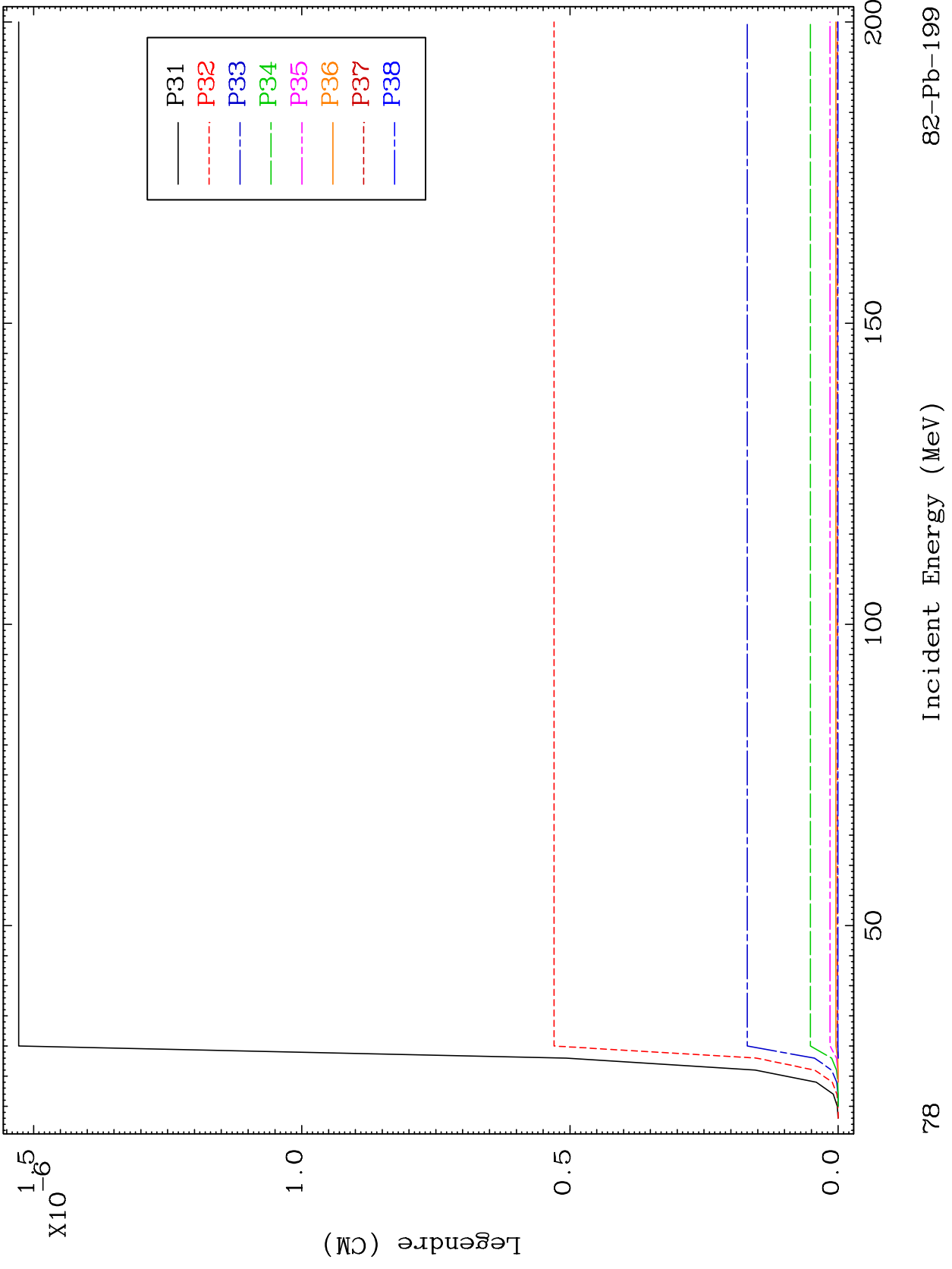
82-Pb-199



77

Incident Energy (MeV)

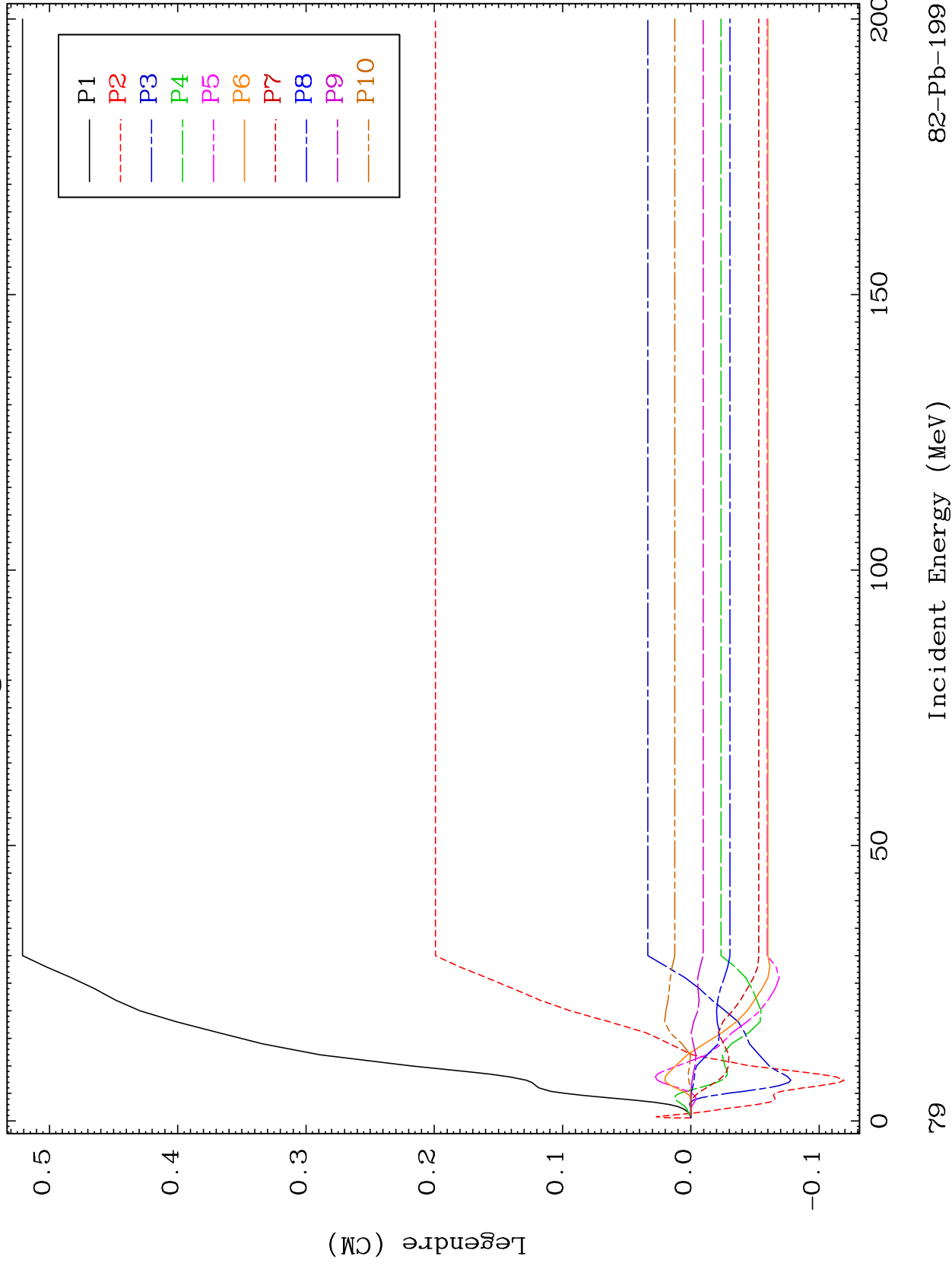
82-Pb-199



MAT 8210

548.1 keV (n,n') Level
Legendre Coefficients

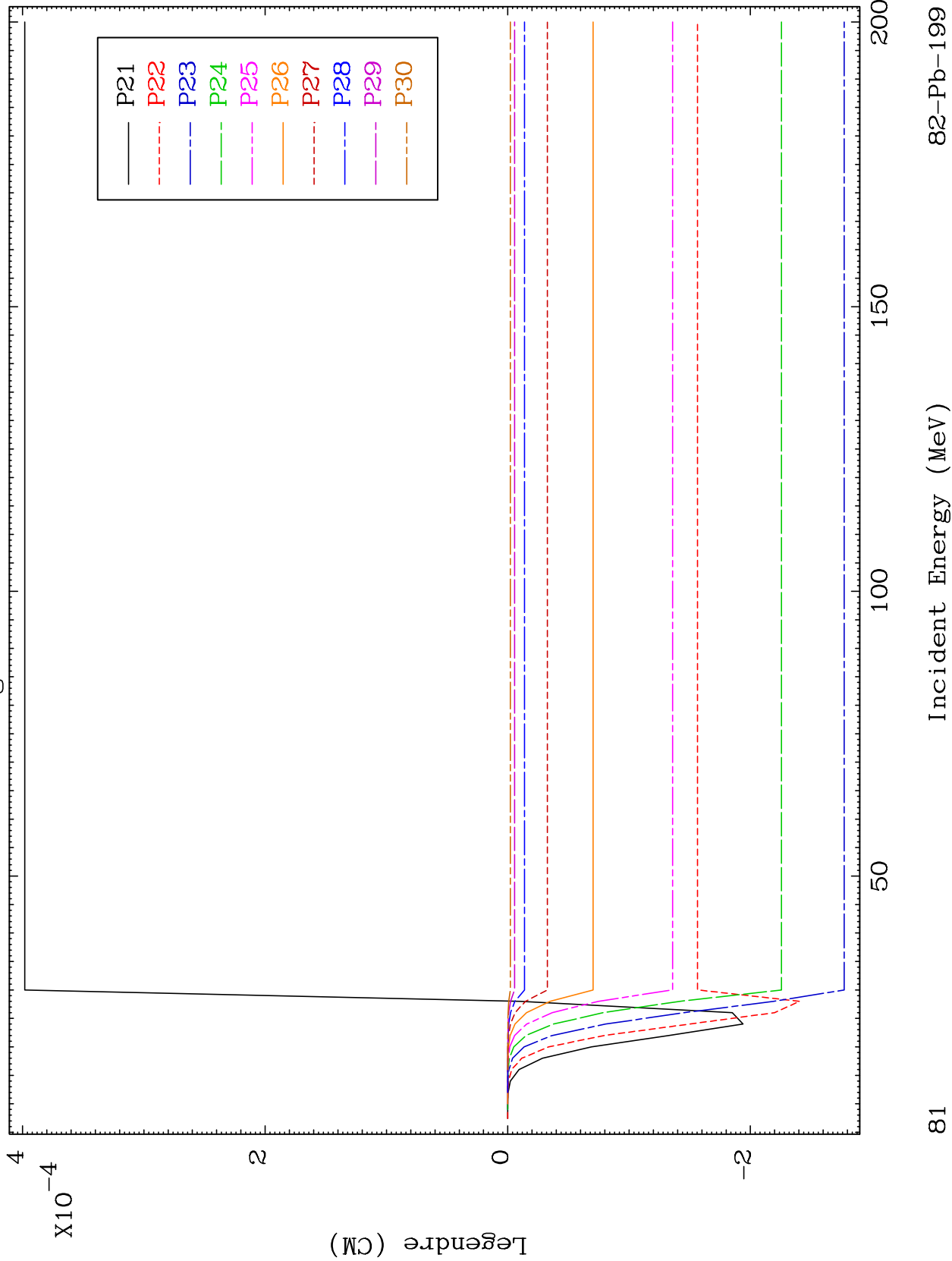
82-Pb-199

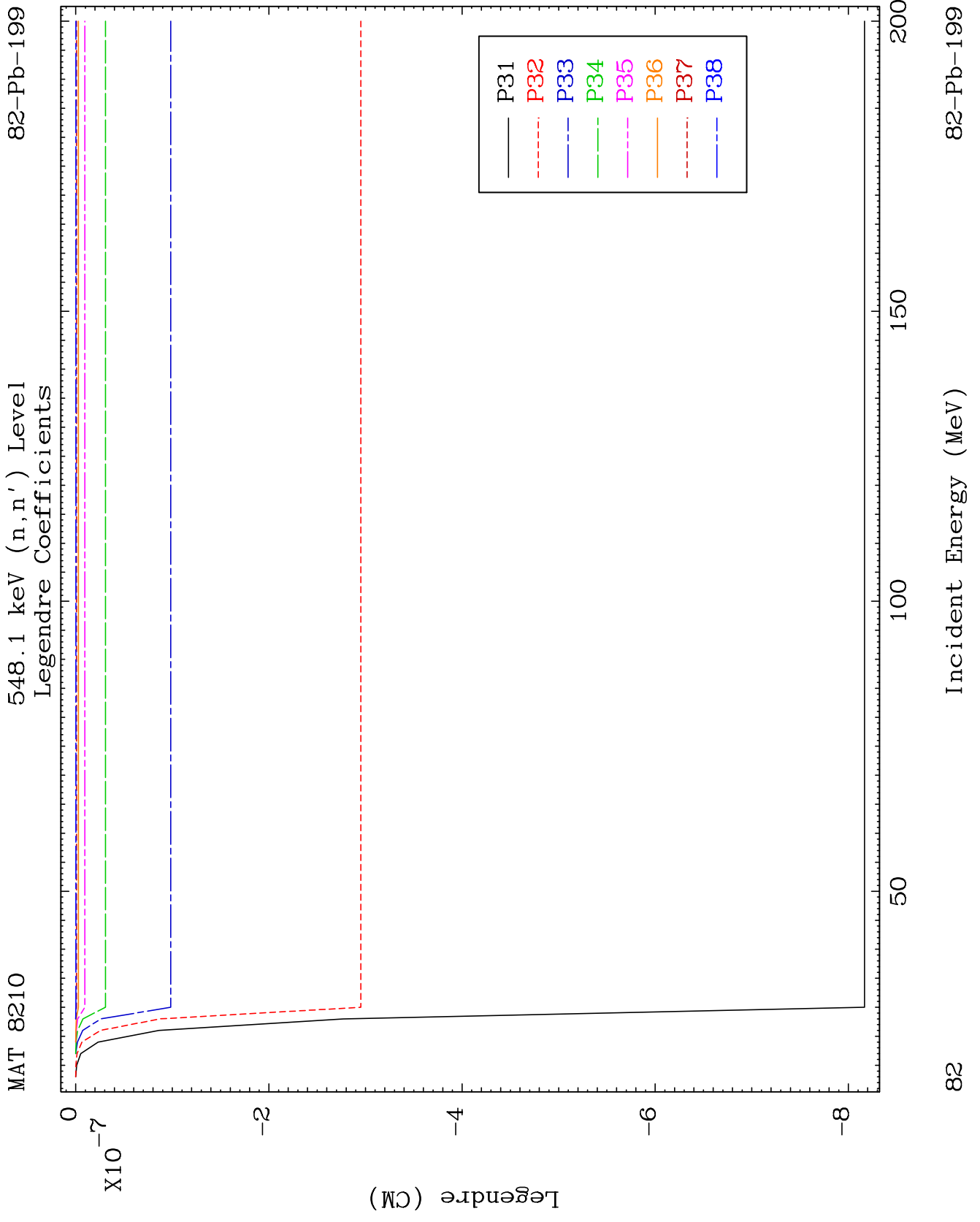


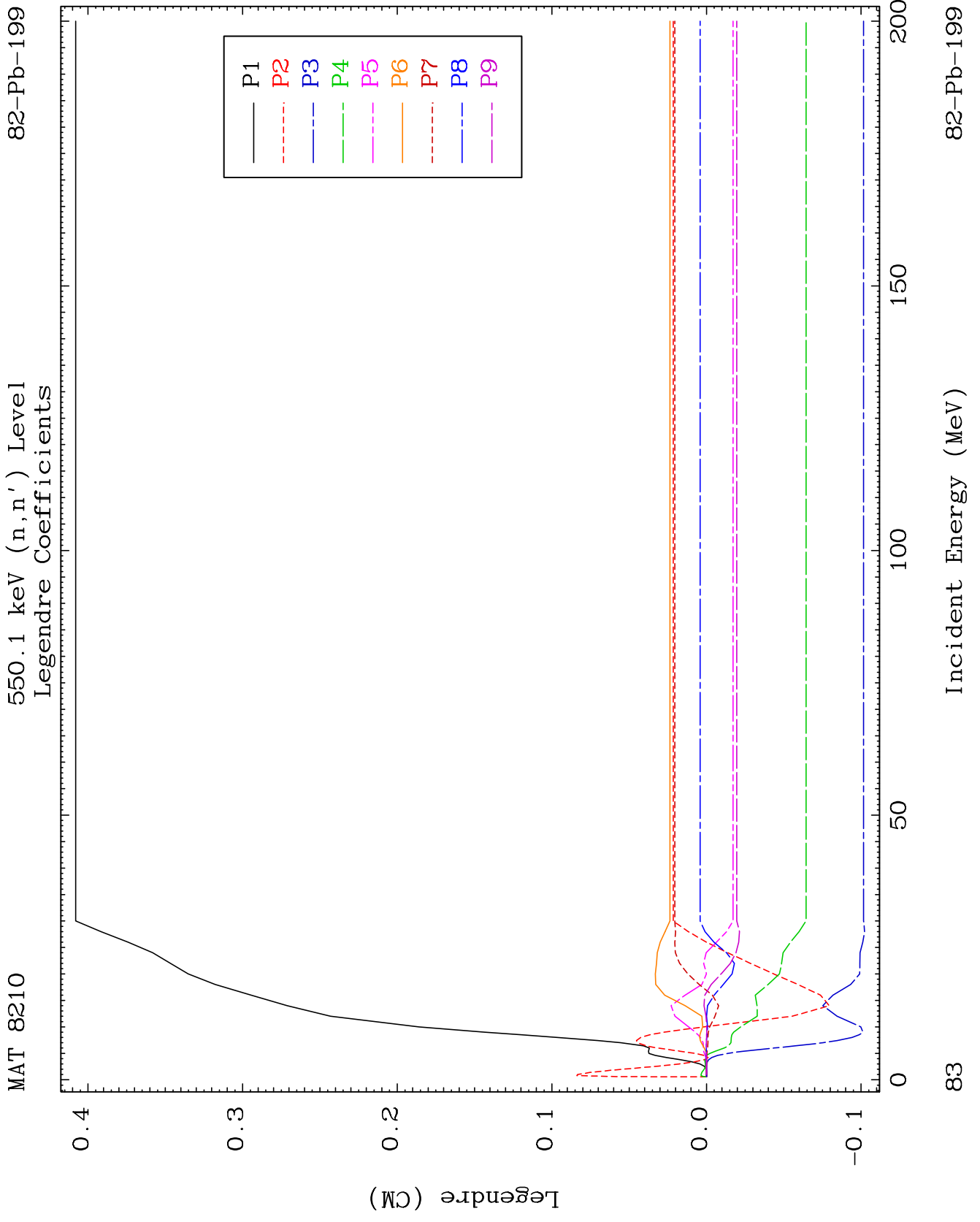
82-Pb-199

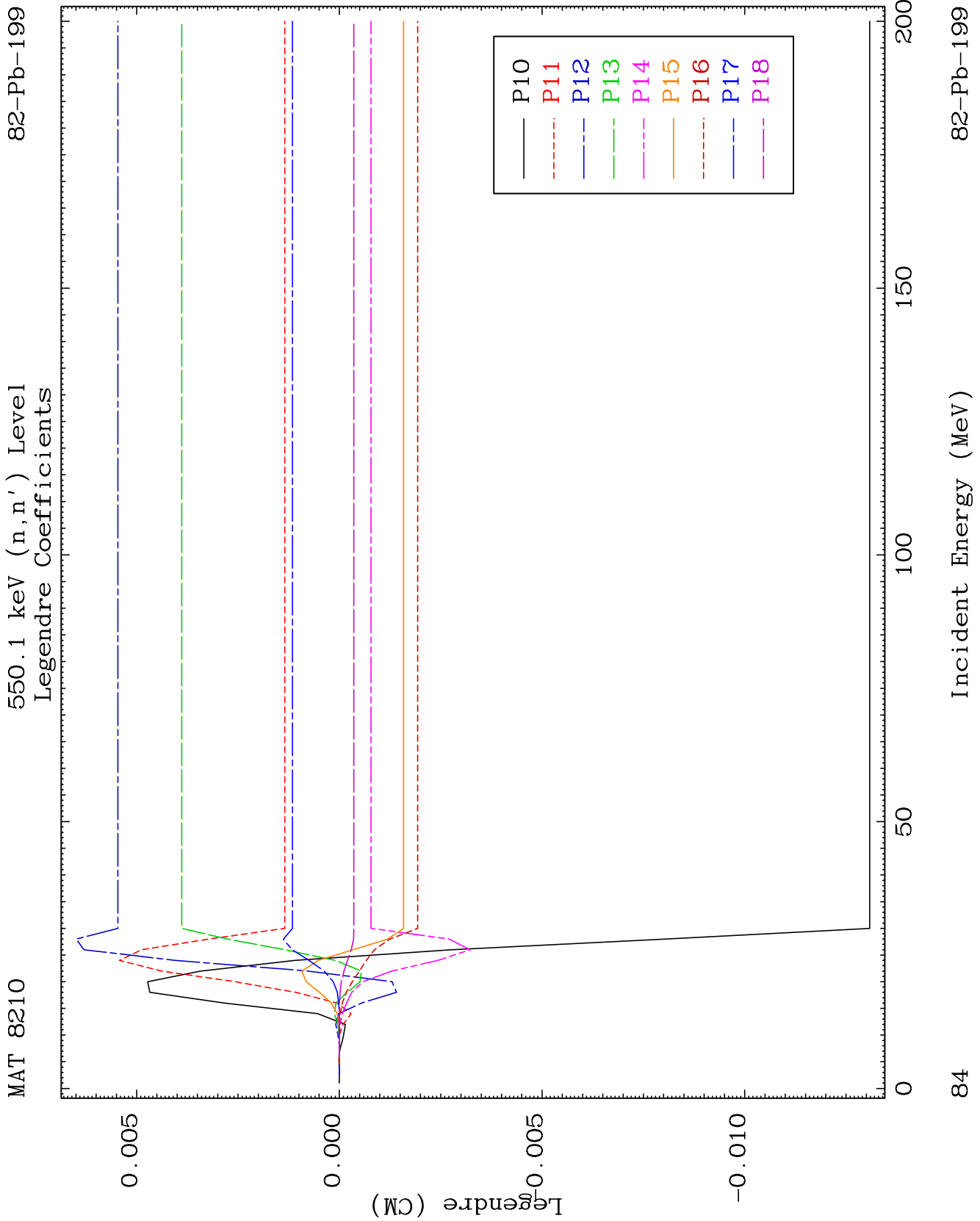
Incident Energy (MeV)

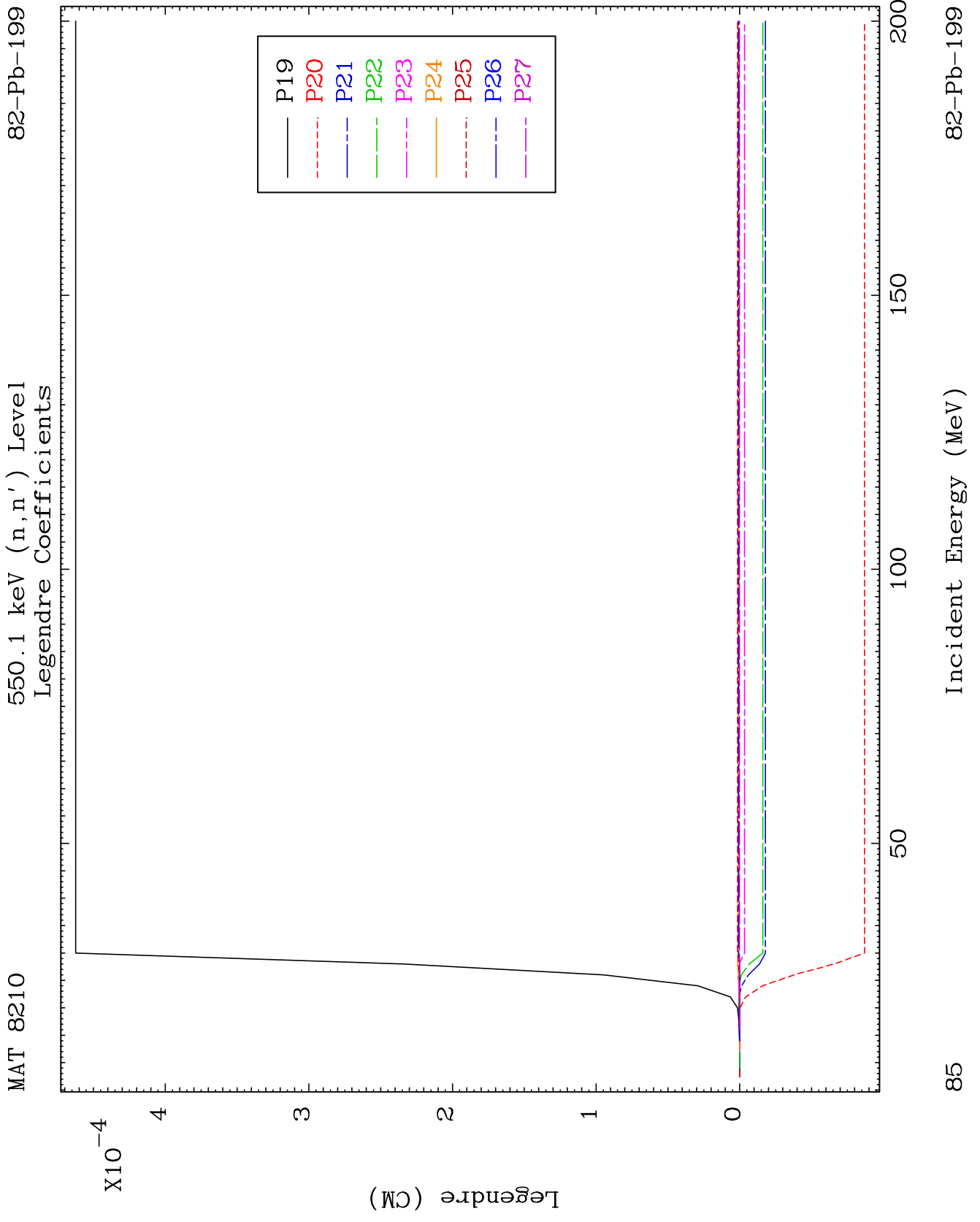
79

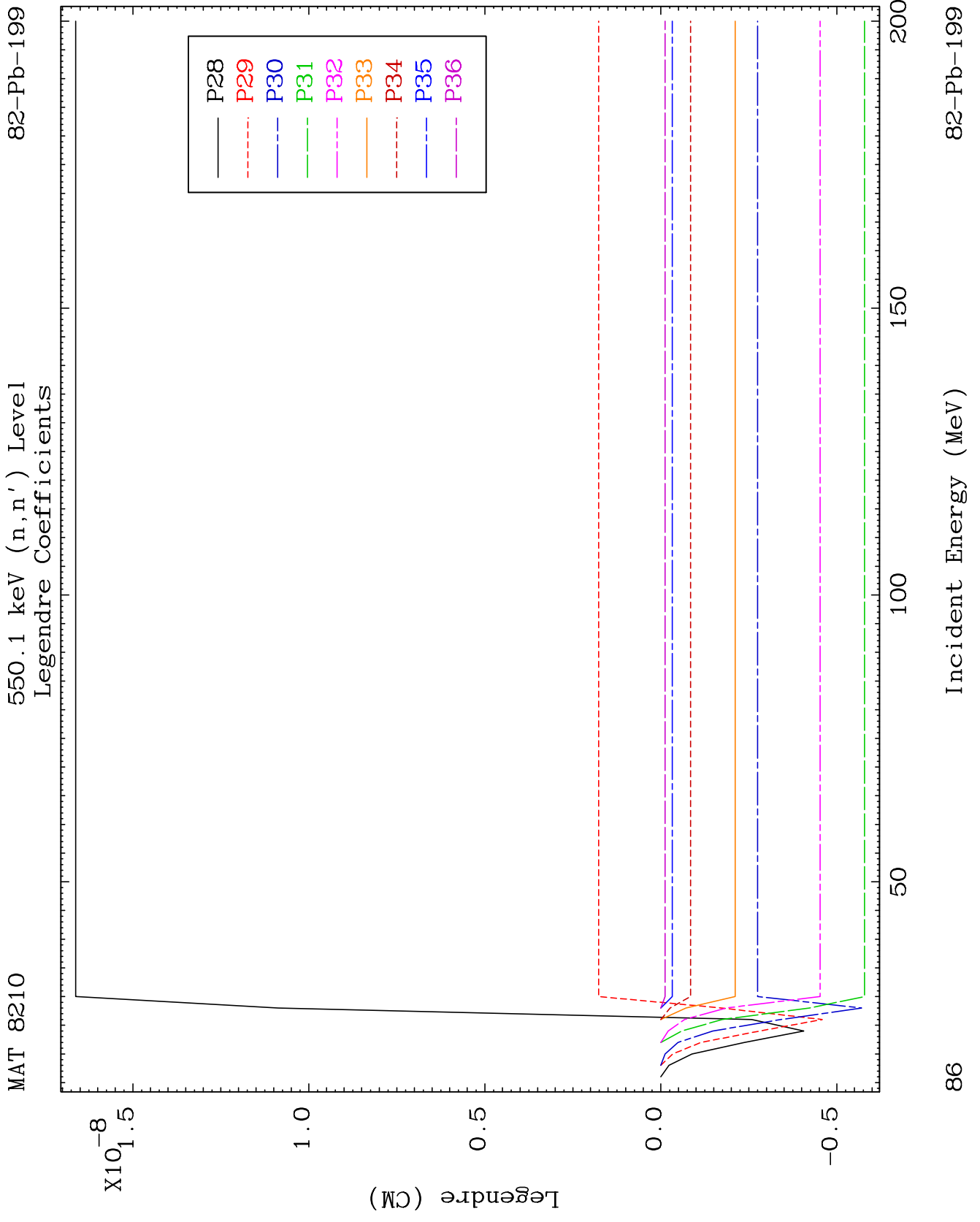








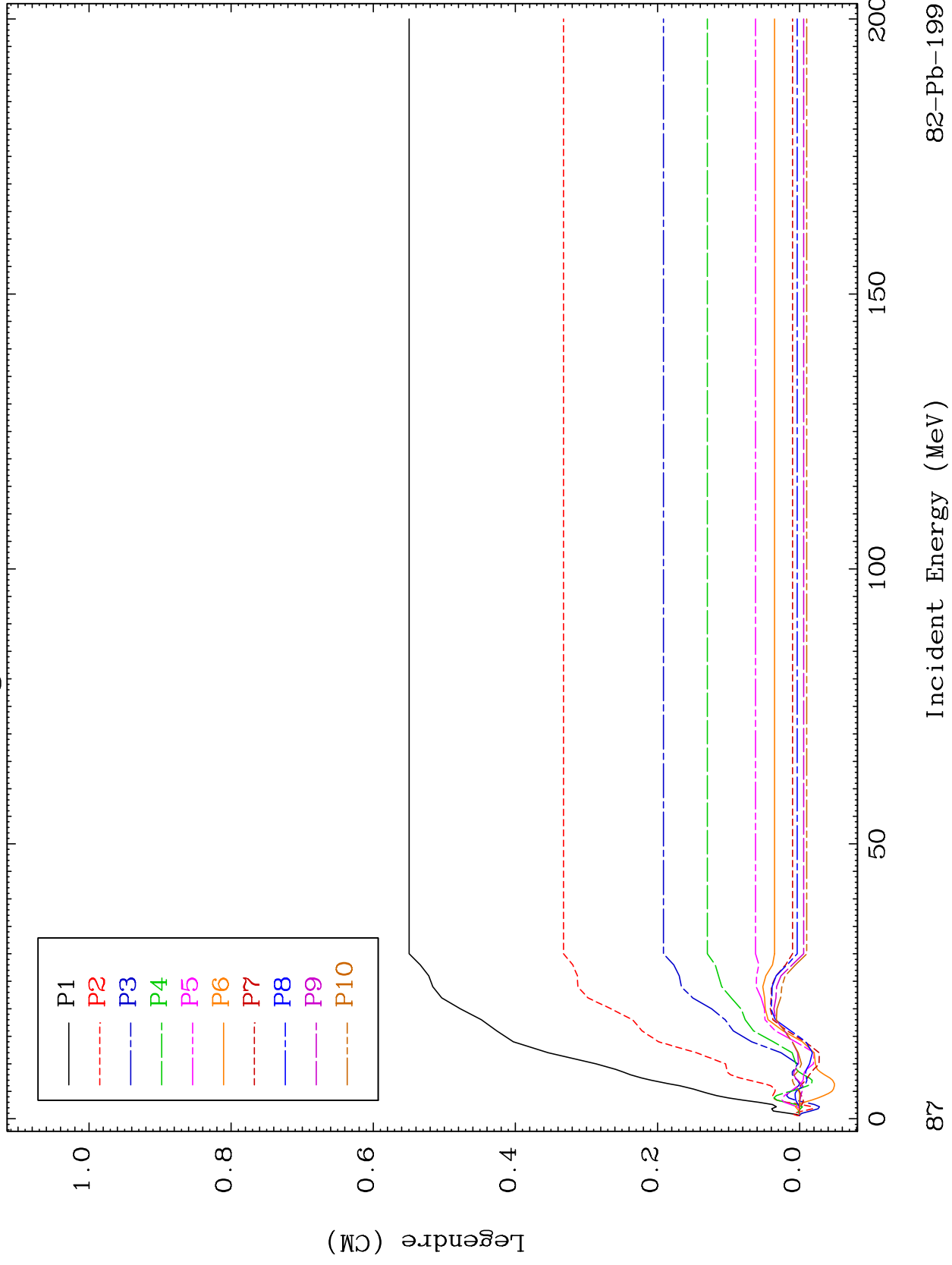




MAT 8210

551.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199

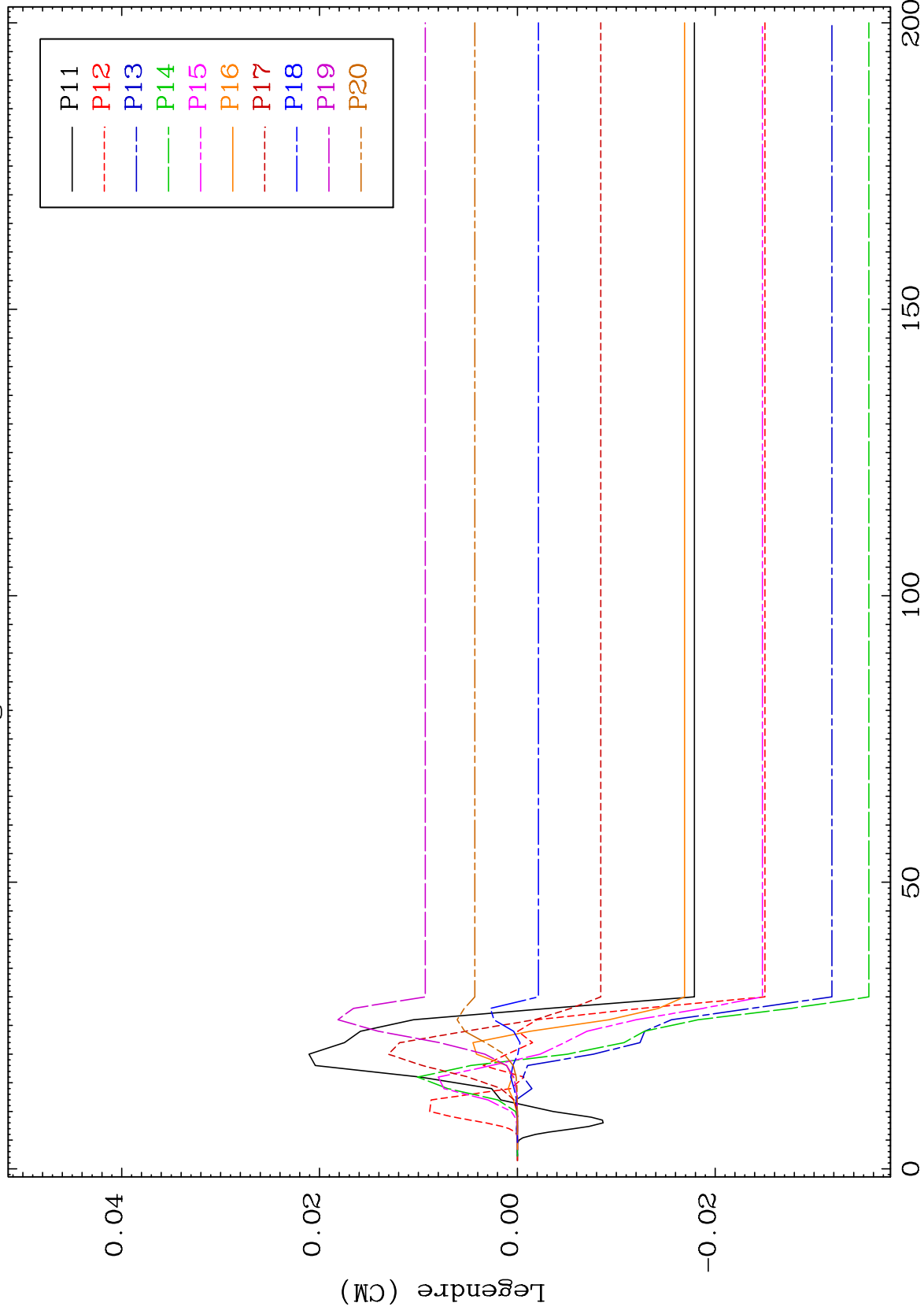


87

MAT 8210

551.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



88

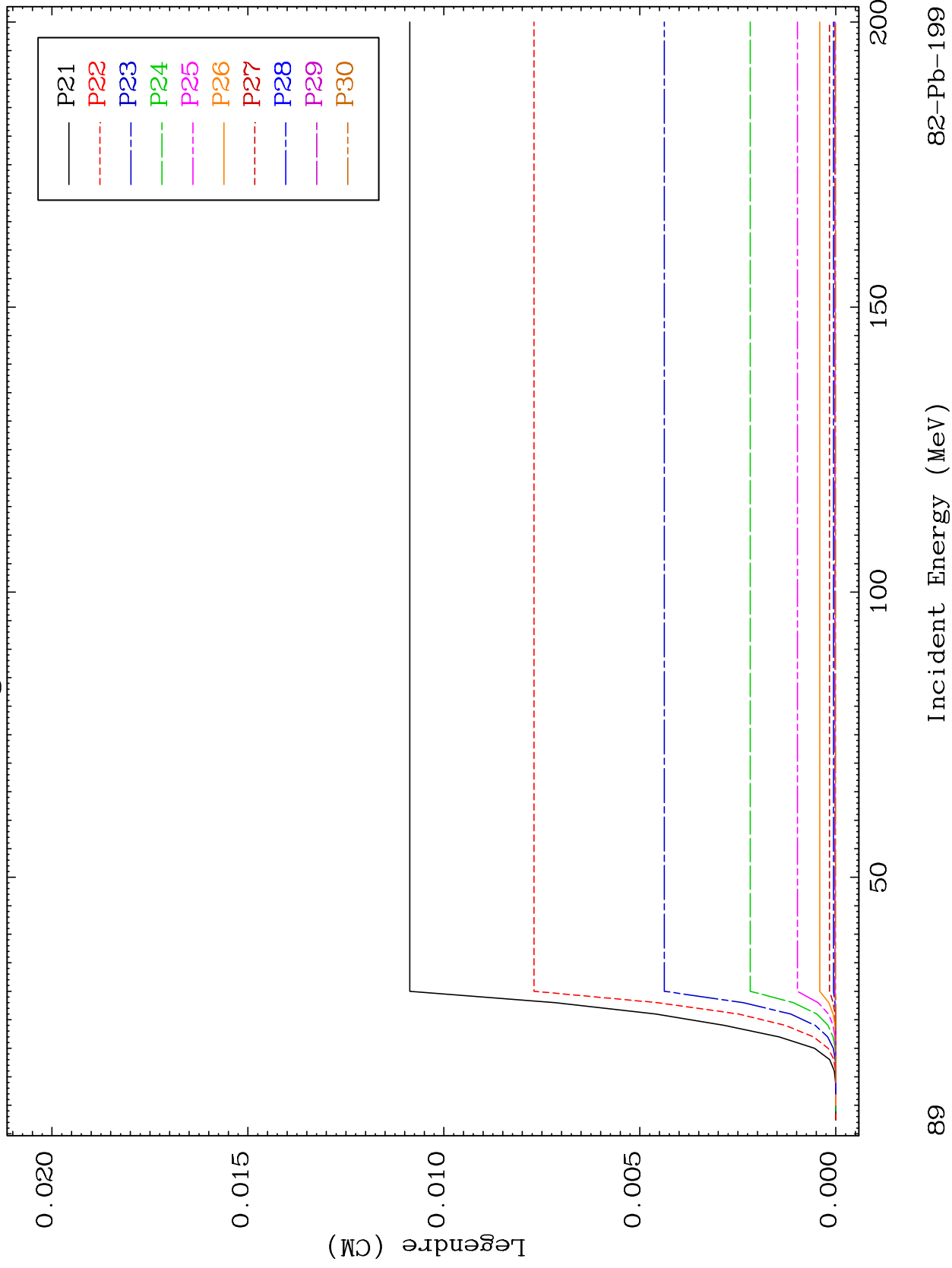
Incident Energy (MeV)

82-Pb-199

MAT 8210

551.1 keV (n,n') Level
Legendre Coefficients

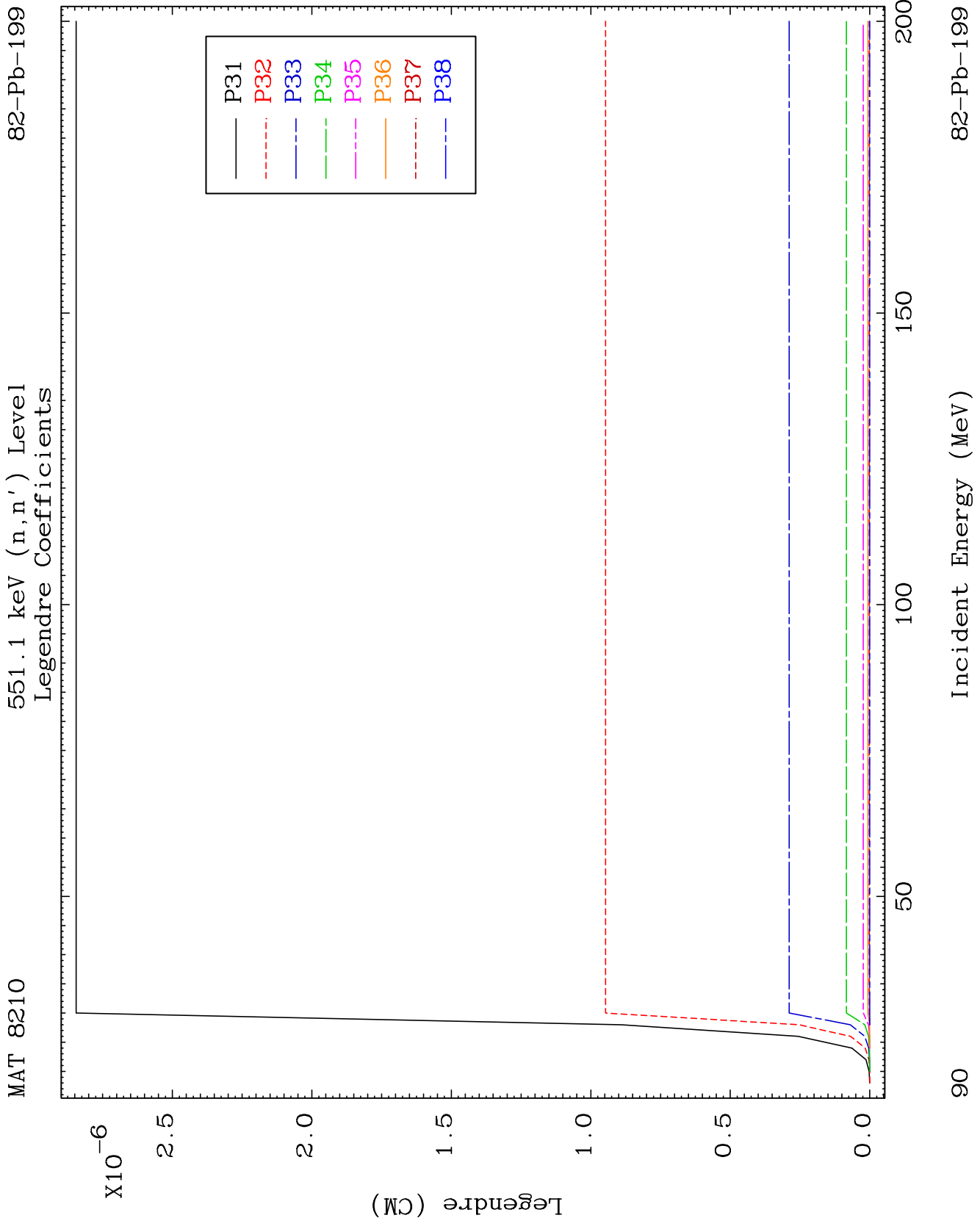
82-Pb-199



89

Incident Energy (MeV)

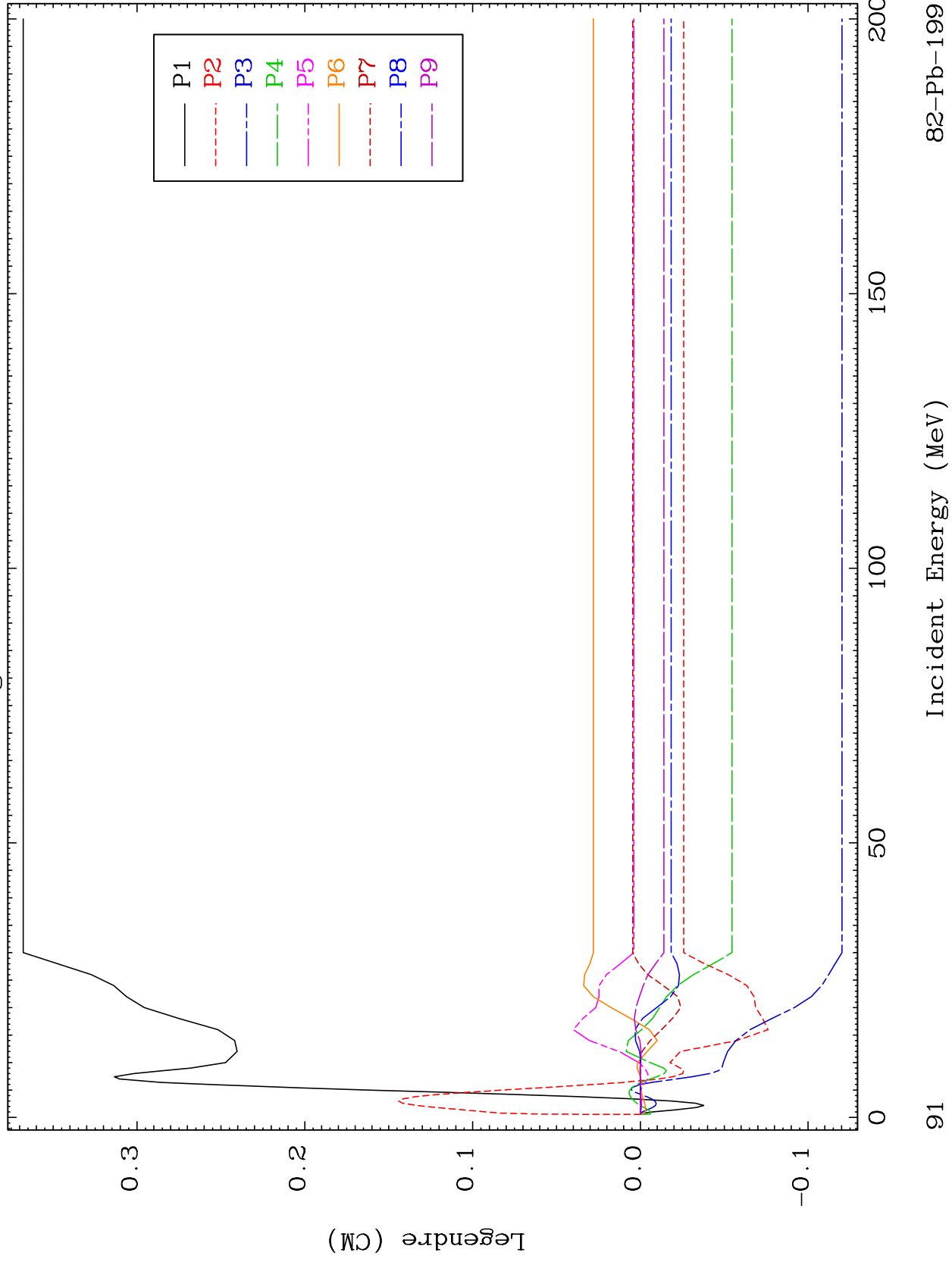
82-Pb-199



MAT 8210

552.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



91

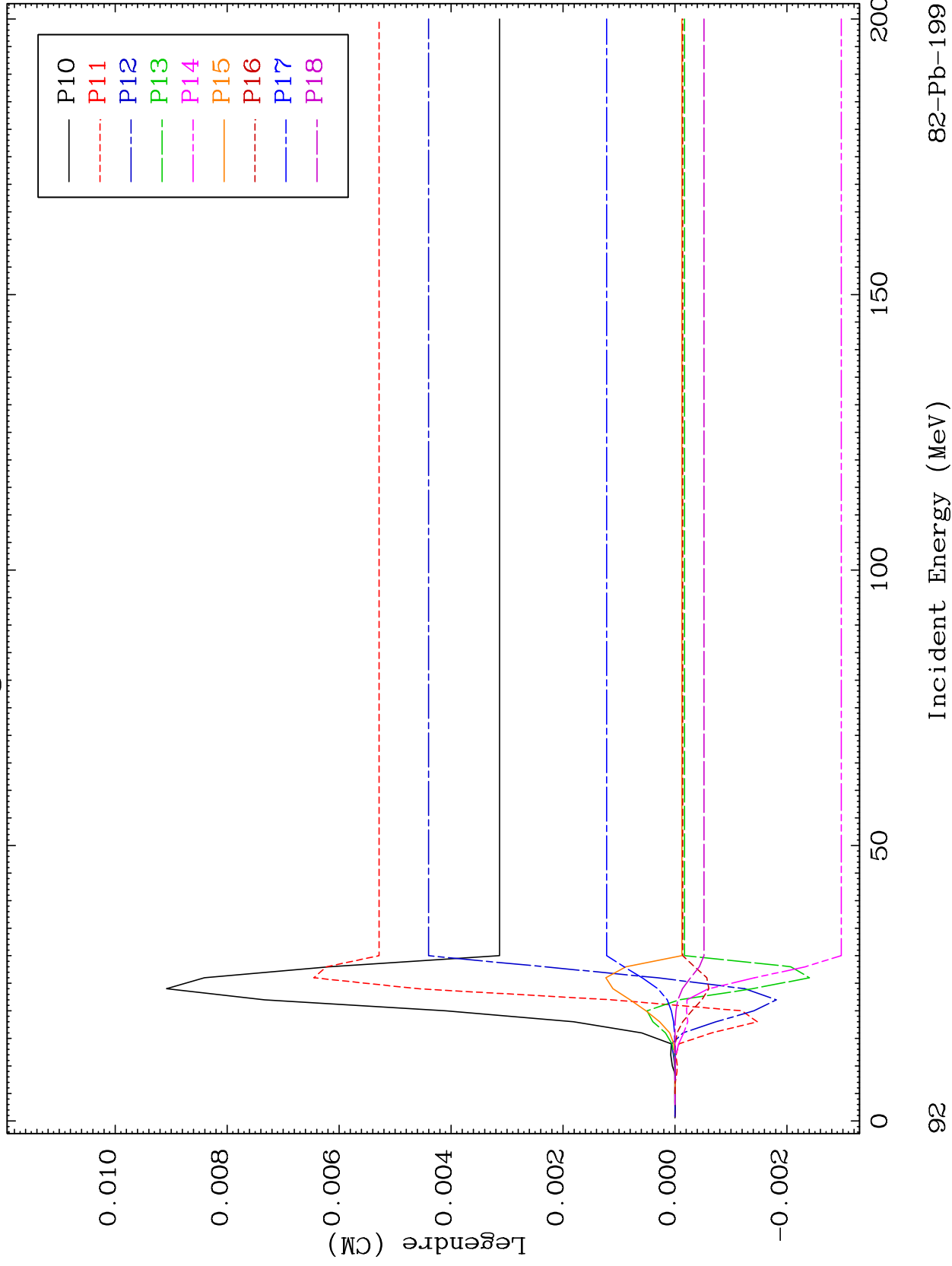
Incident Energy (MeV)

82-Pb-199

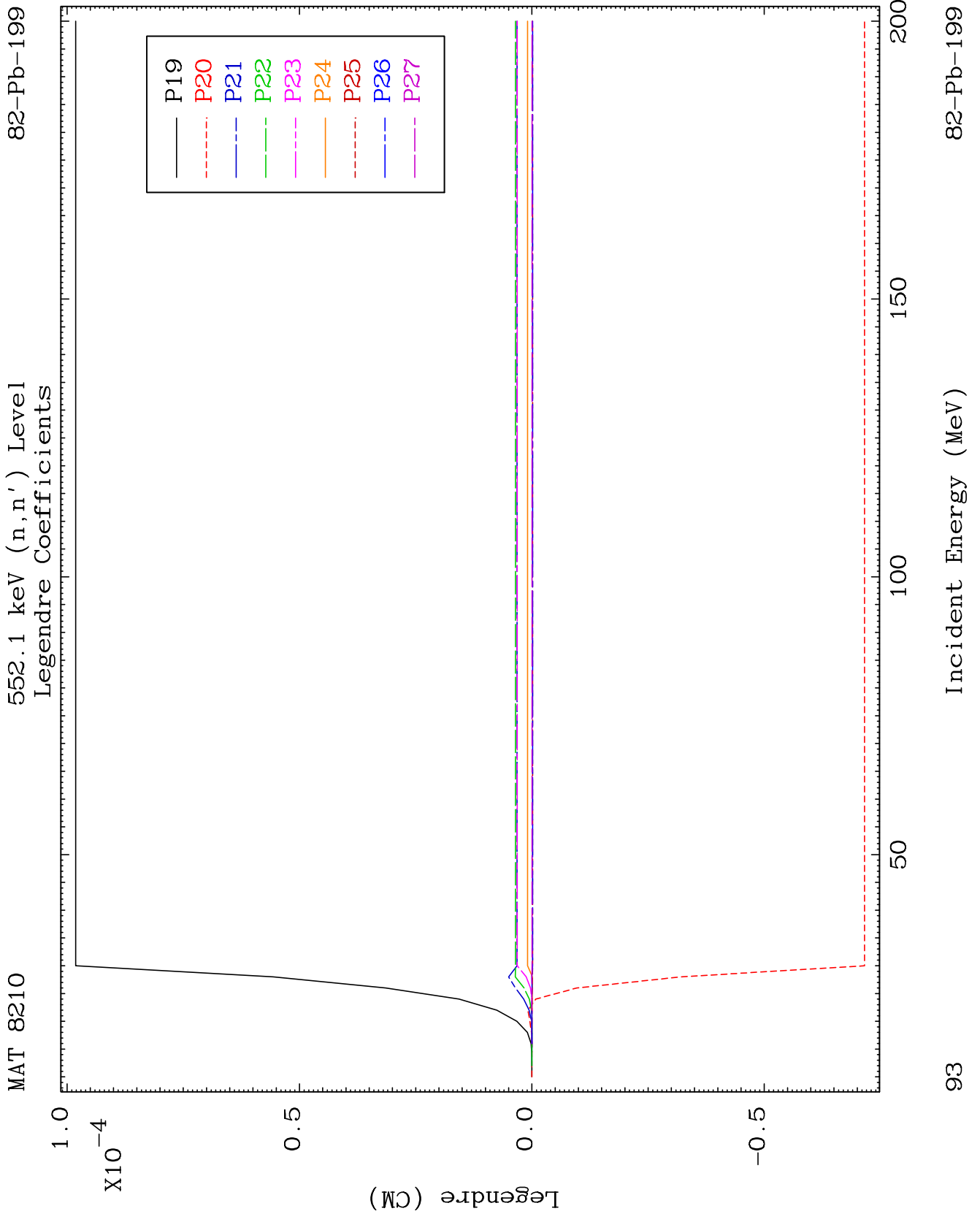
MAT 8210

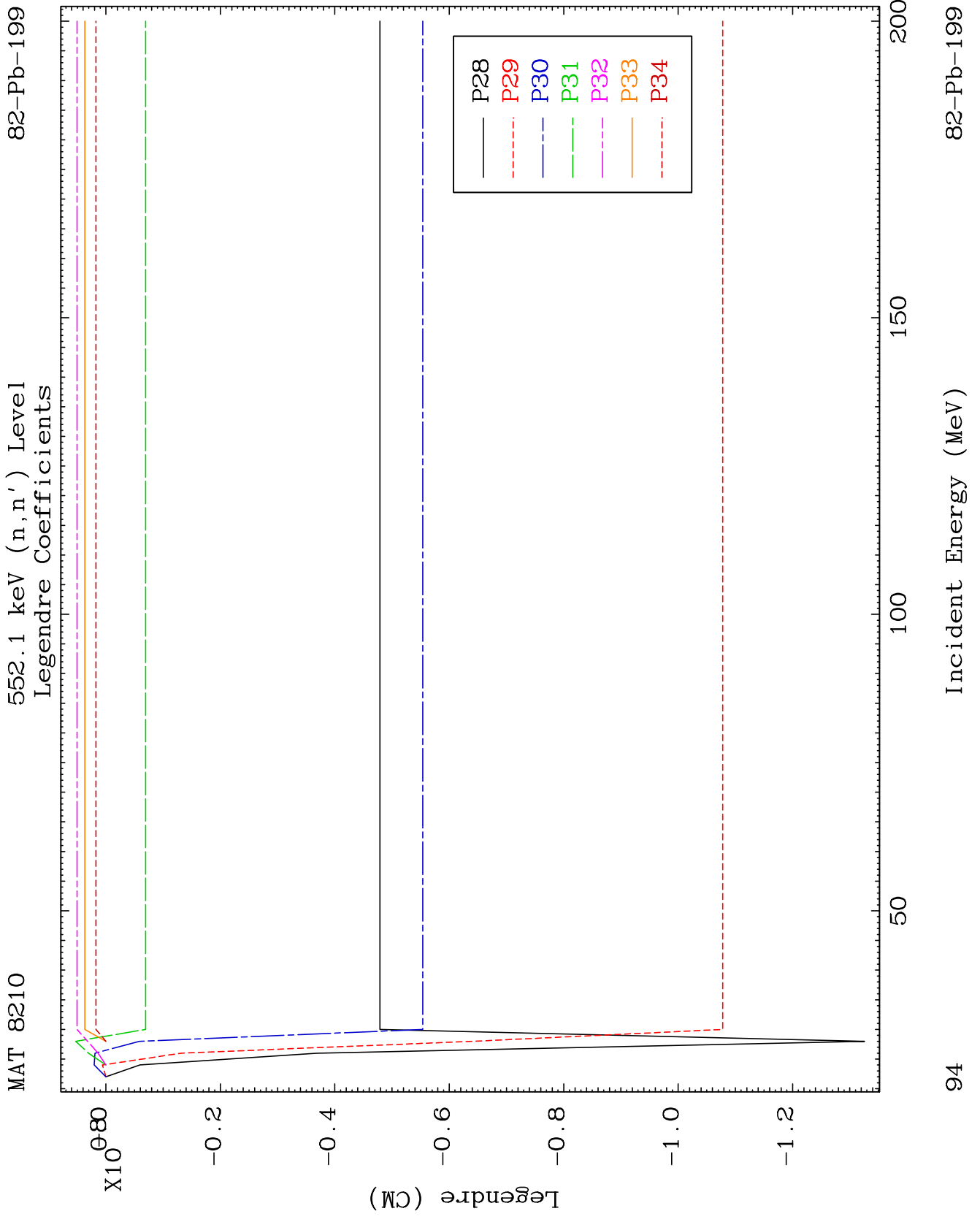
552.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



92

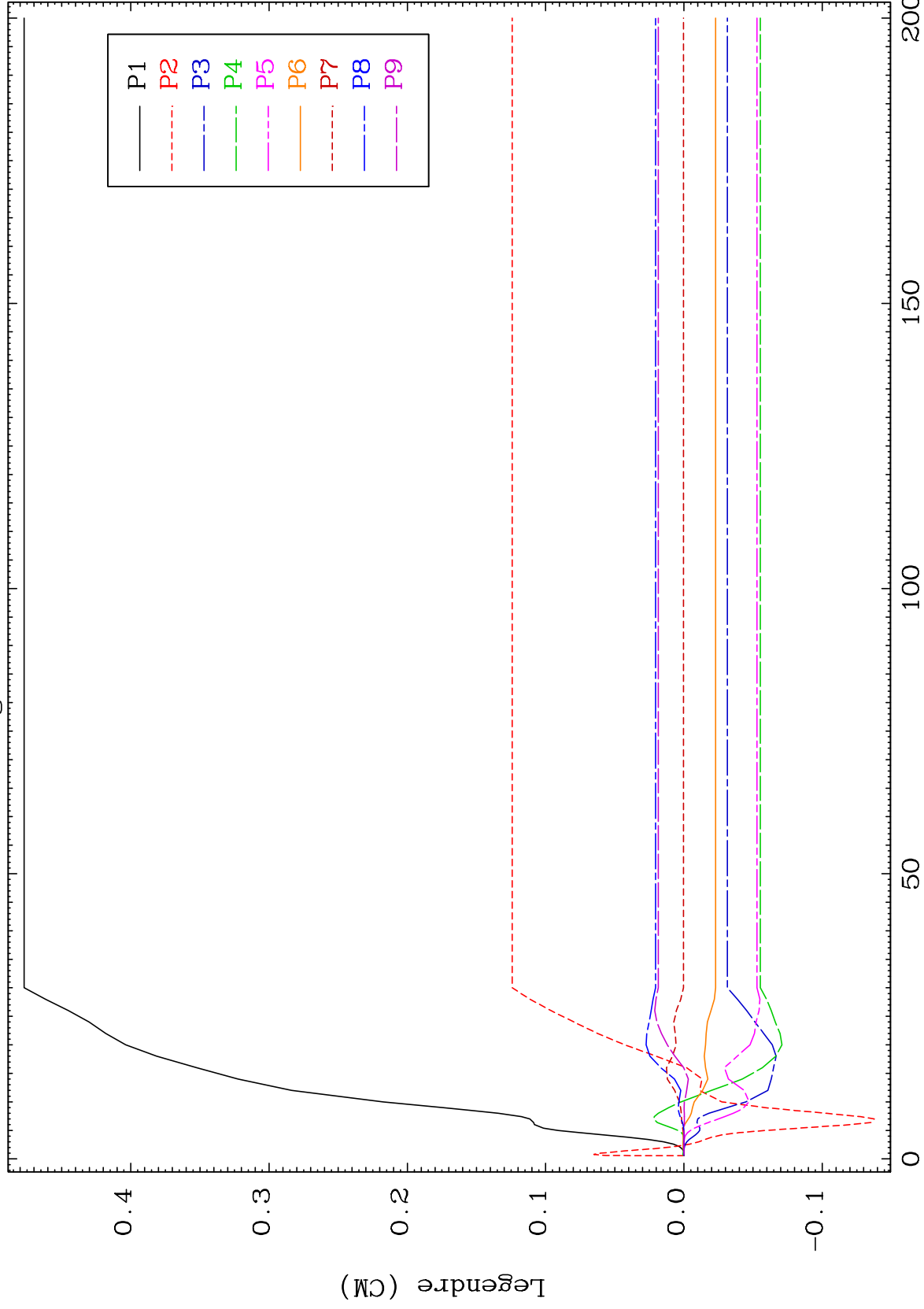




MAT 8210

553.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



95

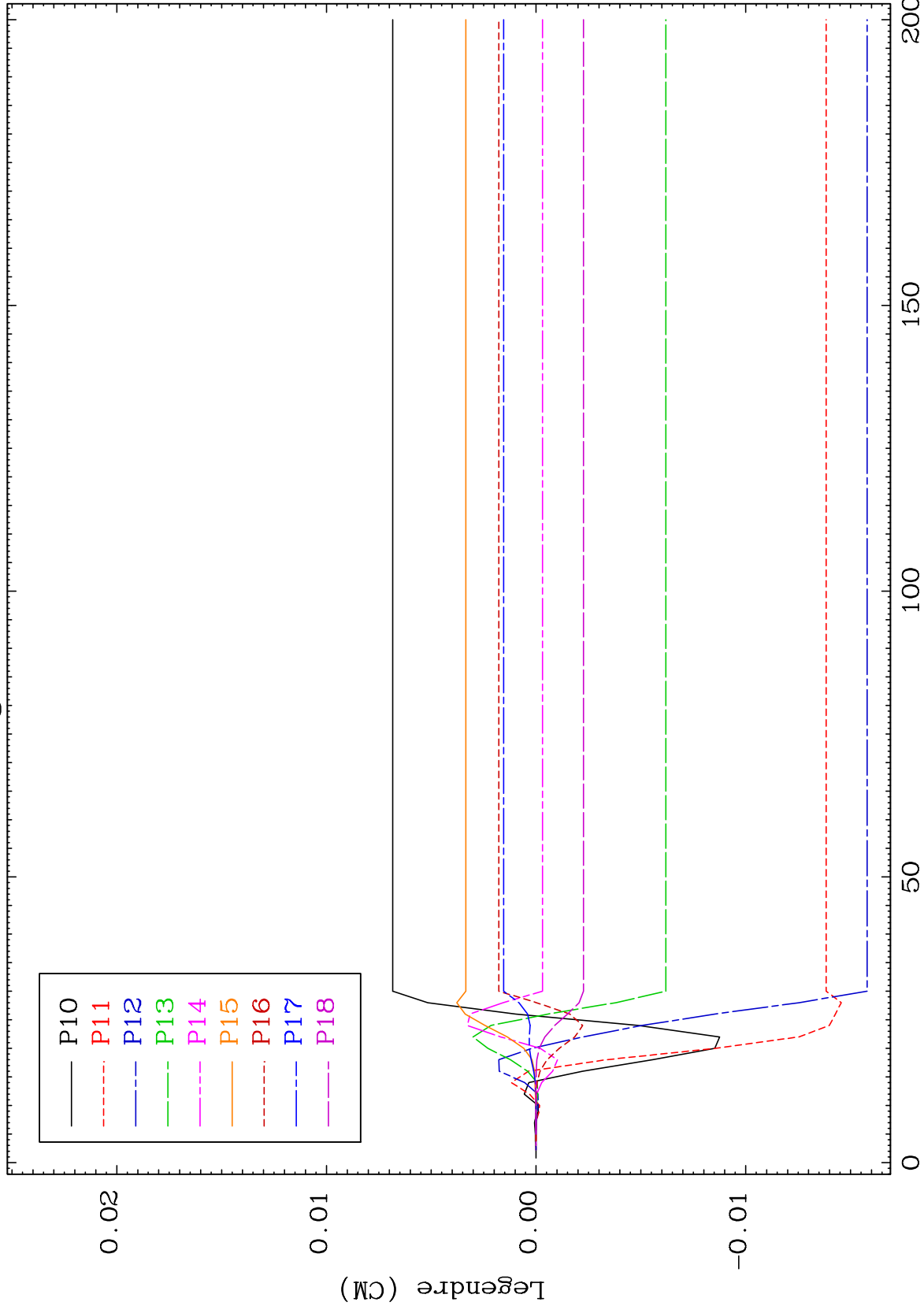
Incident Energy (MeV)

82-Pb-199

MAT 8210

553.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



96

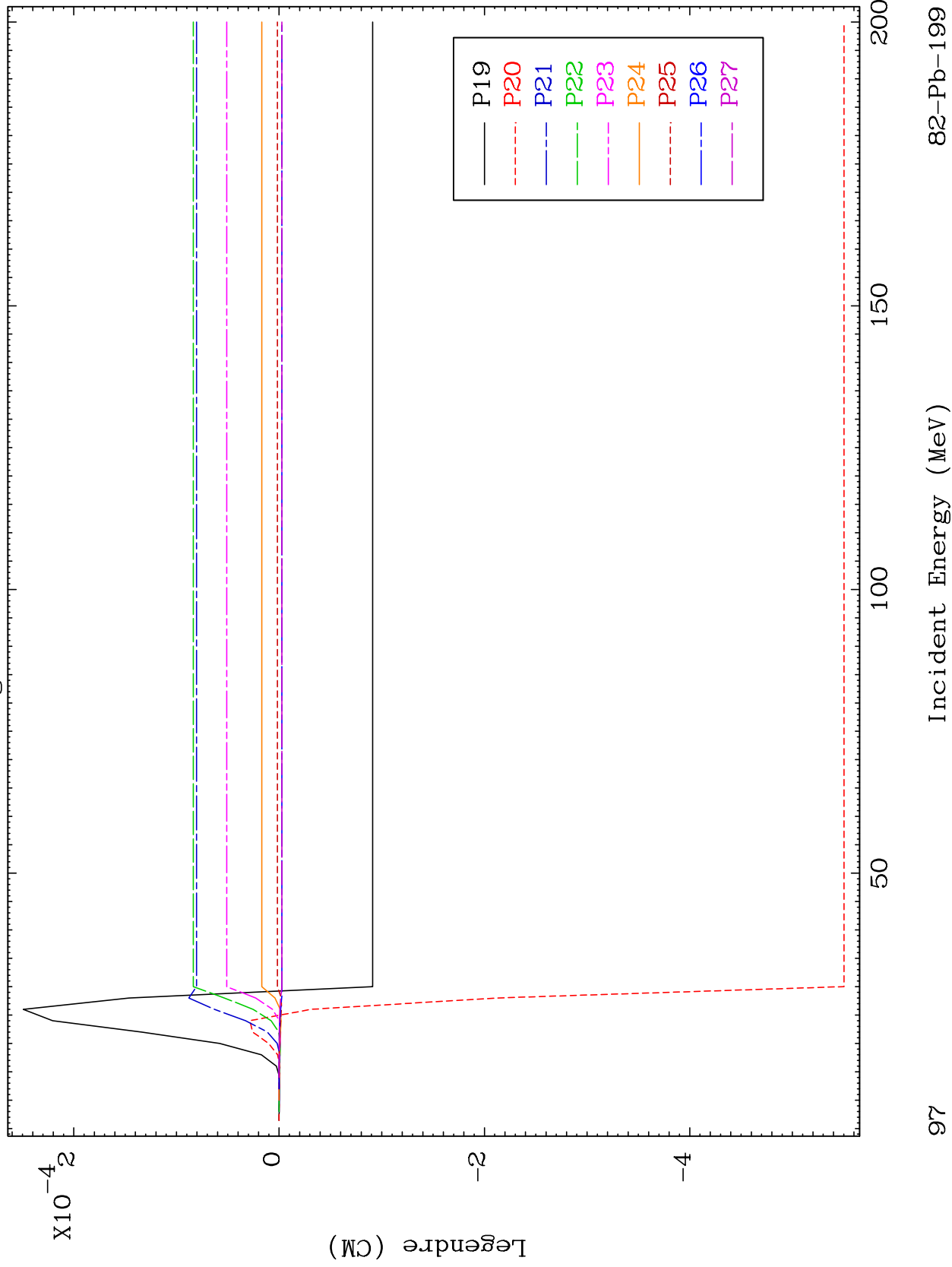
Incident Energy (MeV)

82-Pb-199

MAT 8210

553.1 keV (n,n') Level
Legendre Coefficients

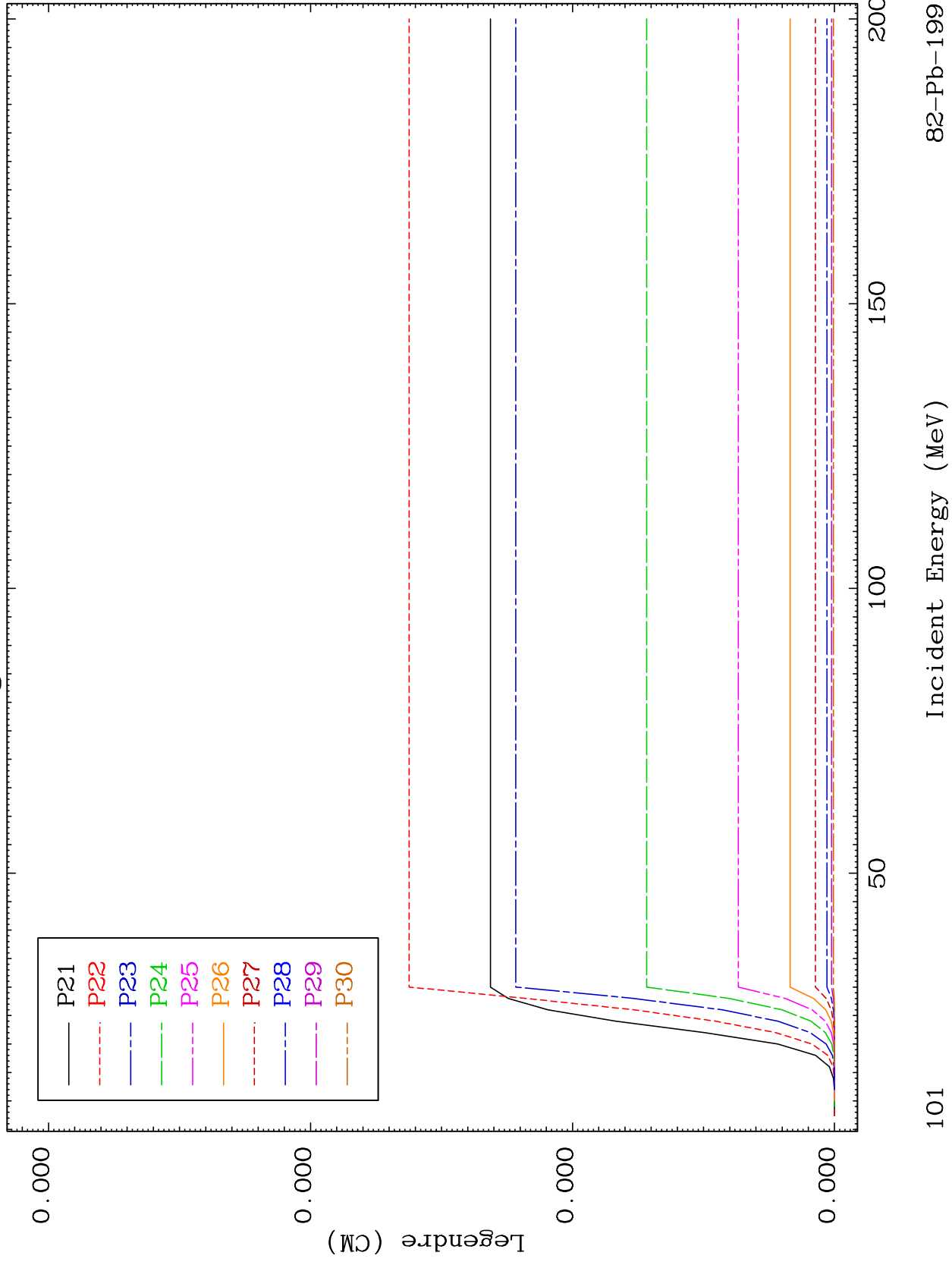
82-Pb-199

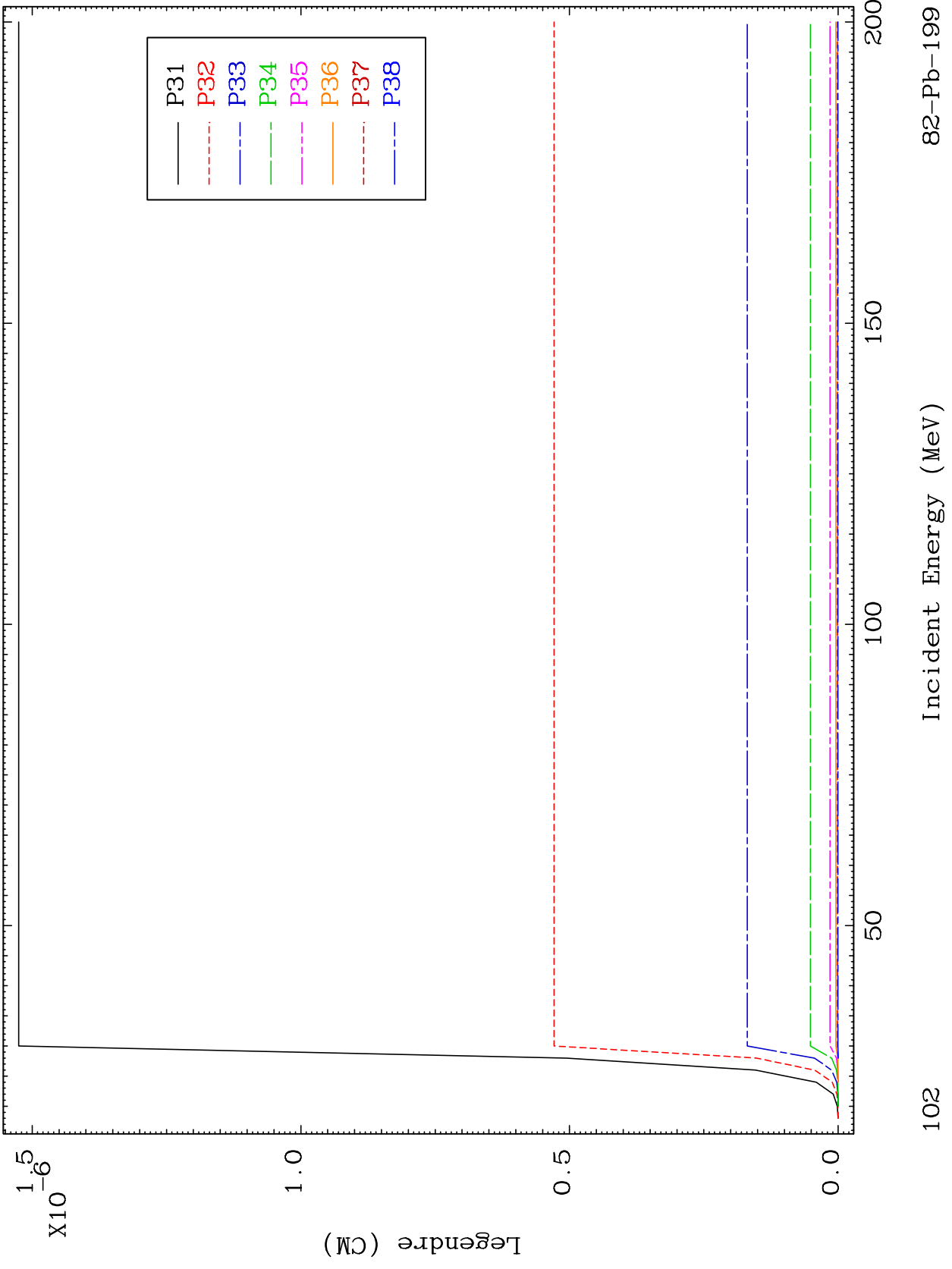


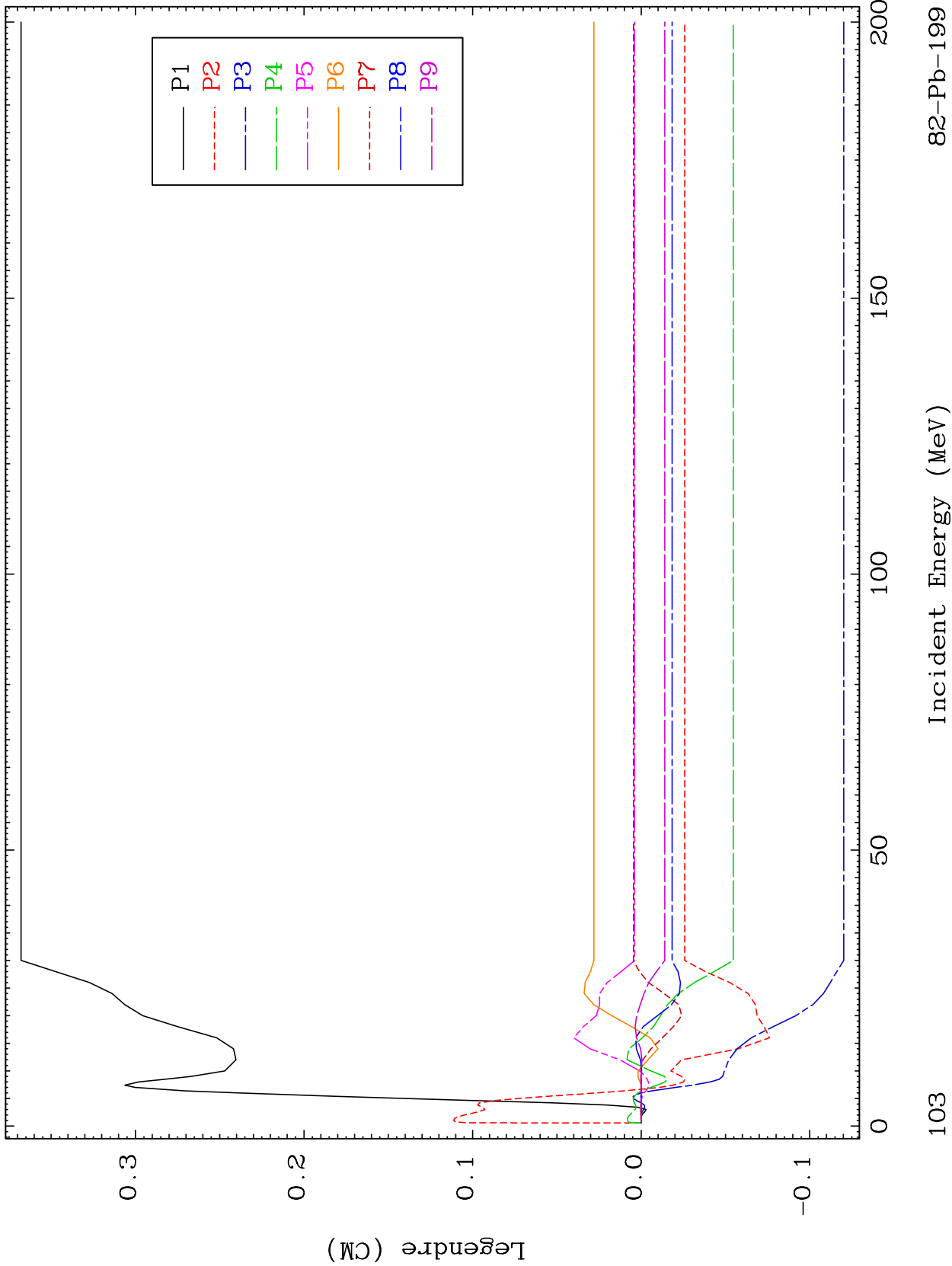
MAT 8210

554.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



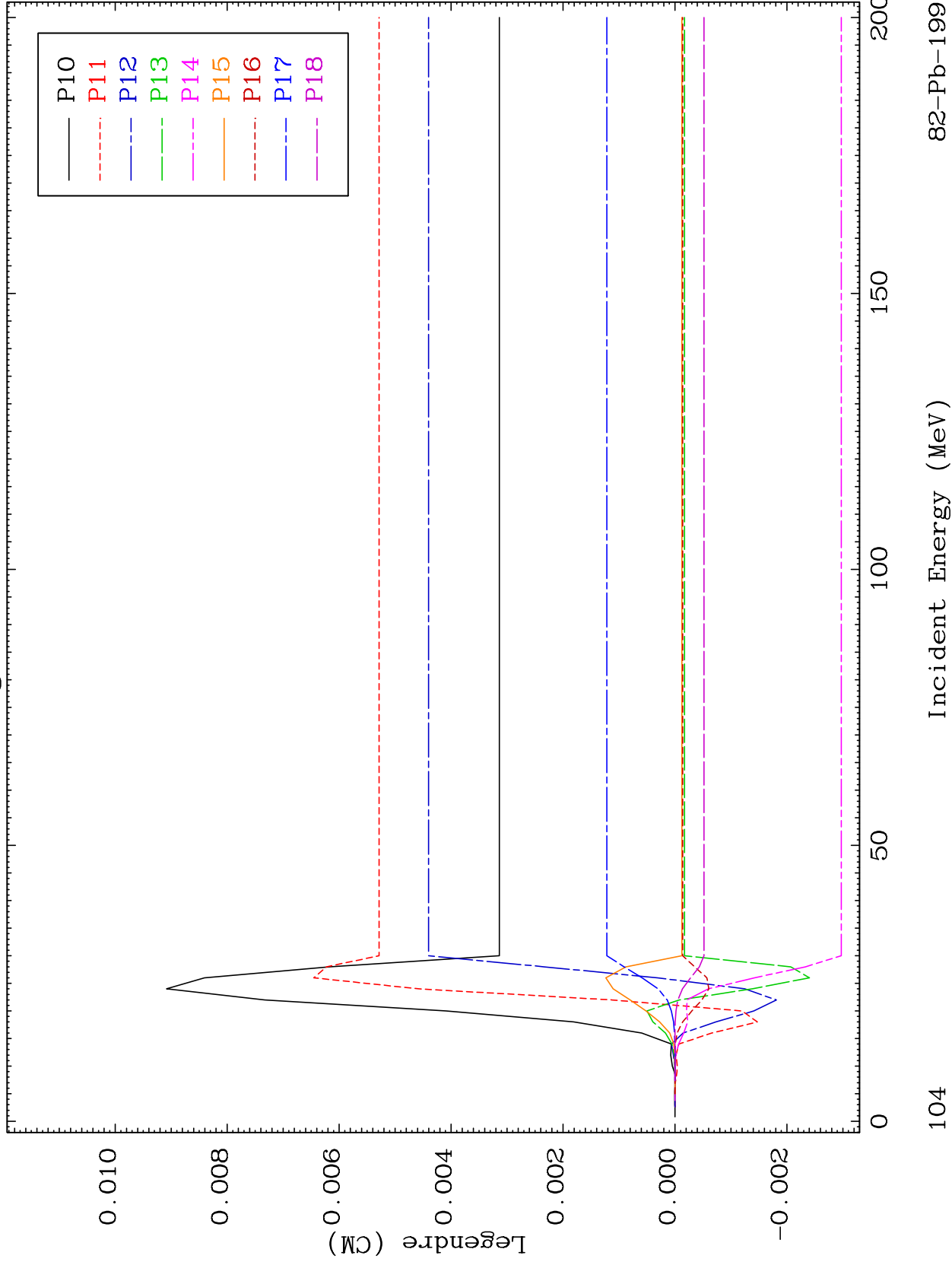




MAT 8210

555.1 keV (n,n') Level
Legendre Coefficients

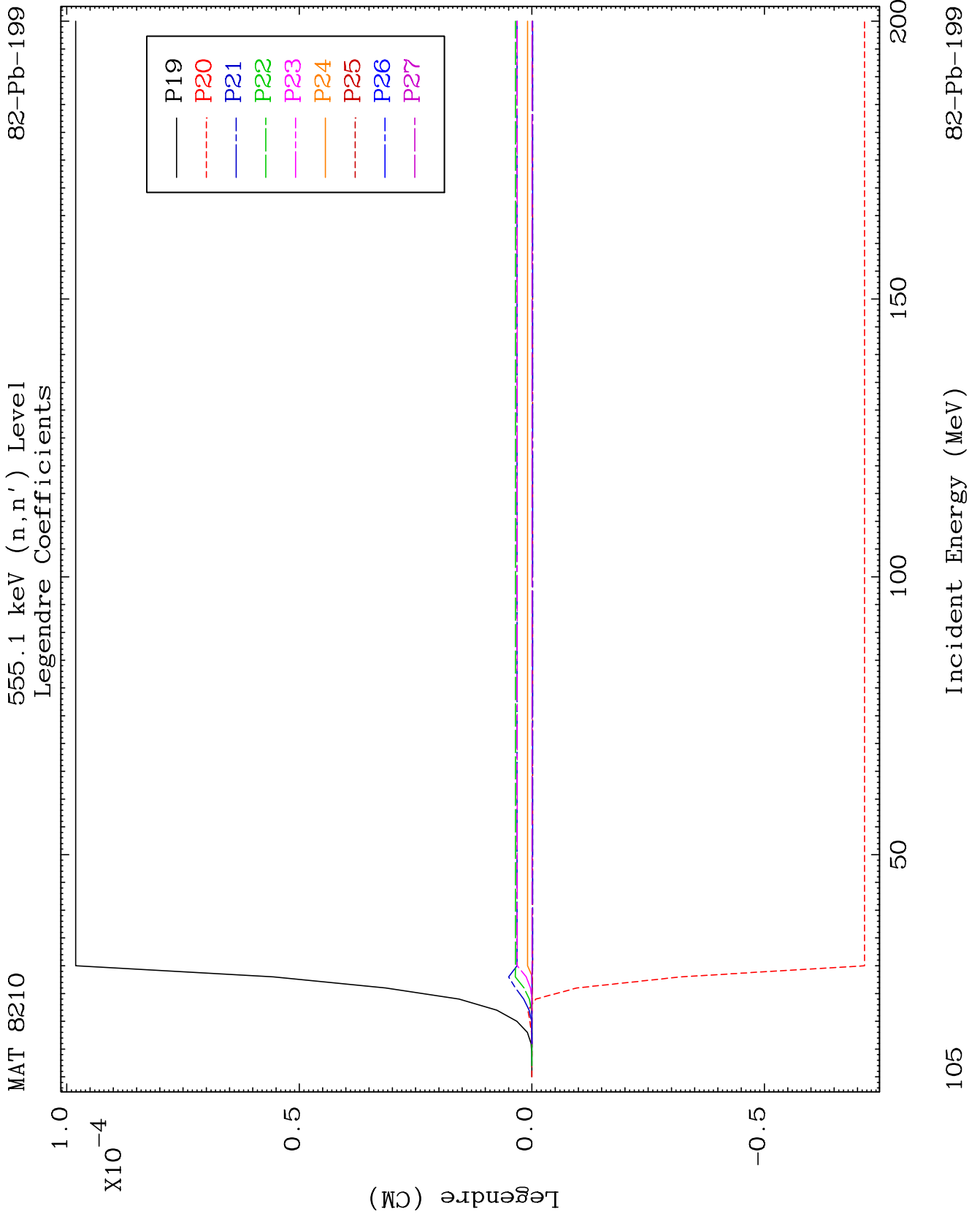
82-Pb-199

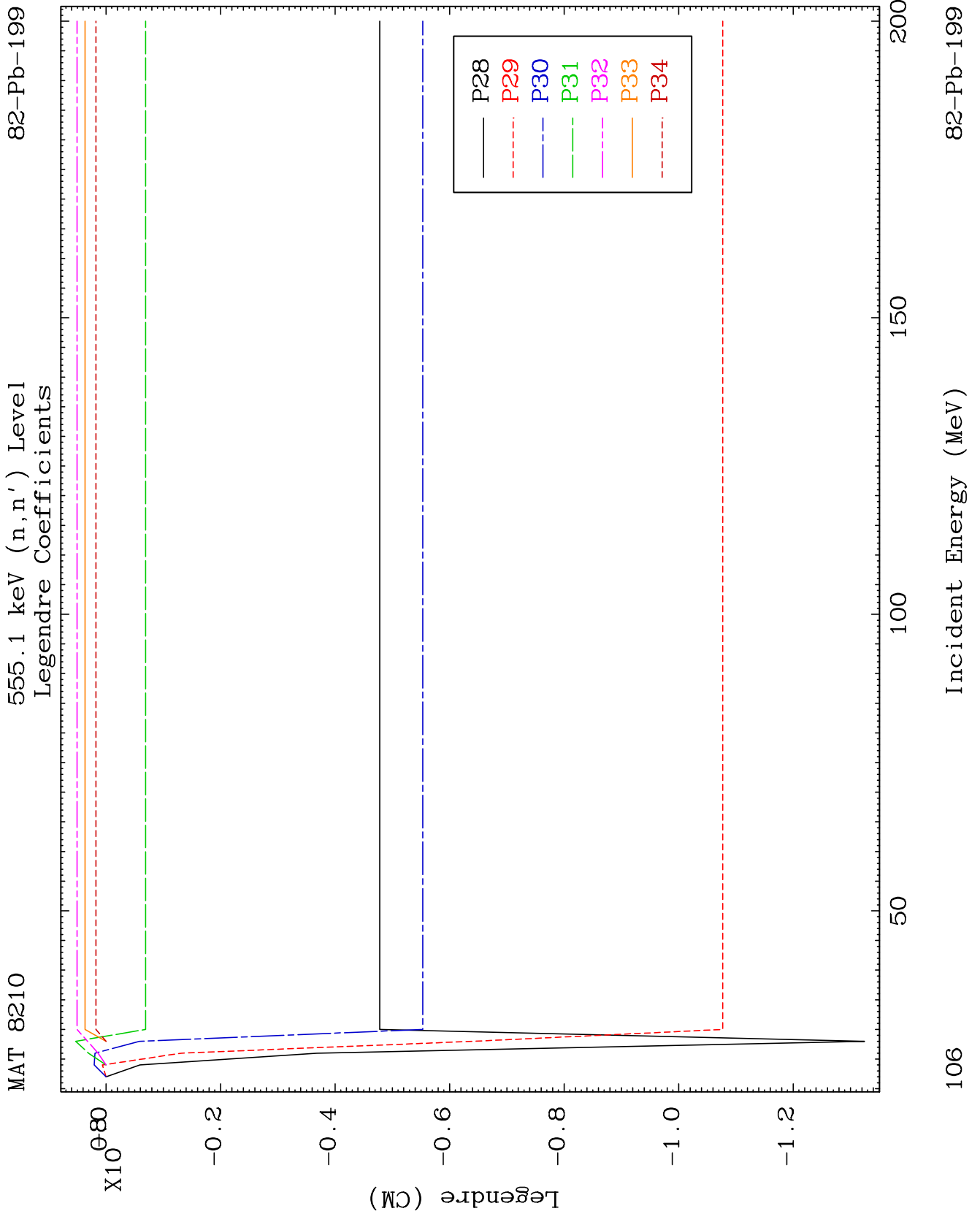


104

Incident Energy (MeV)

82-Pb-199

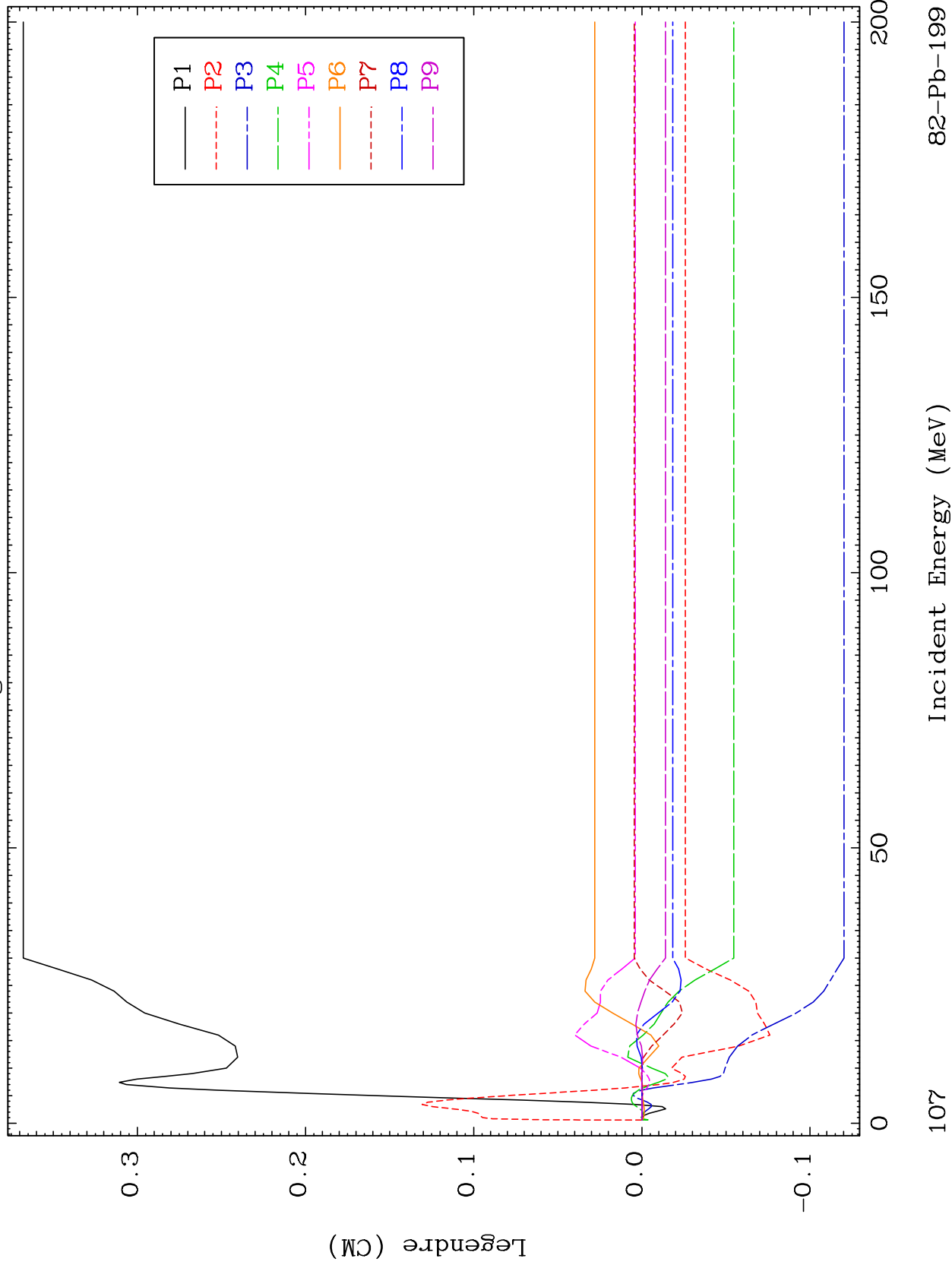




MAT 8210

556.1 keV (n,n') Level
Legendre Coefficients

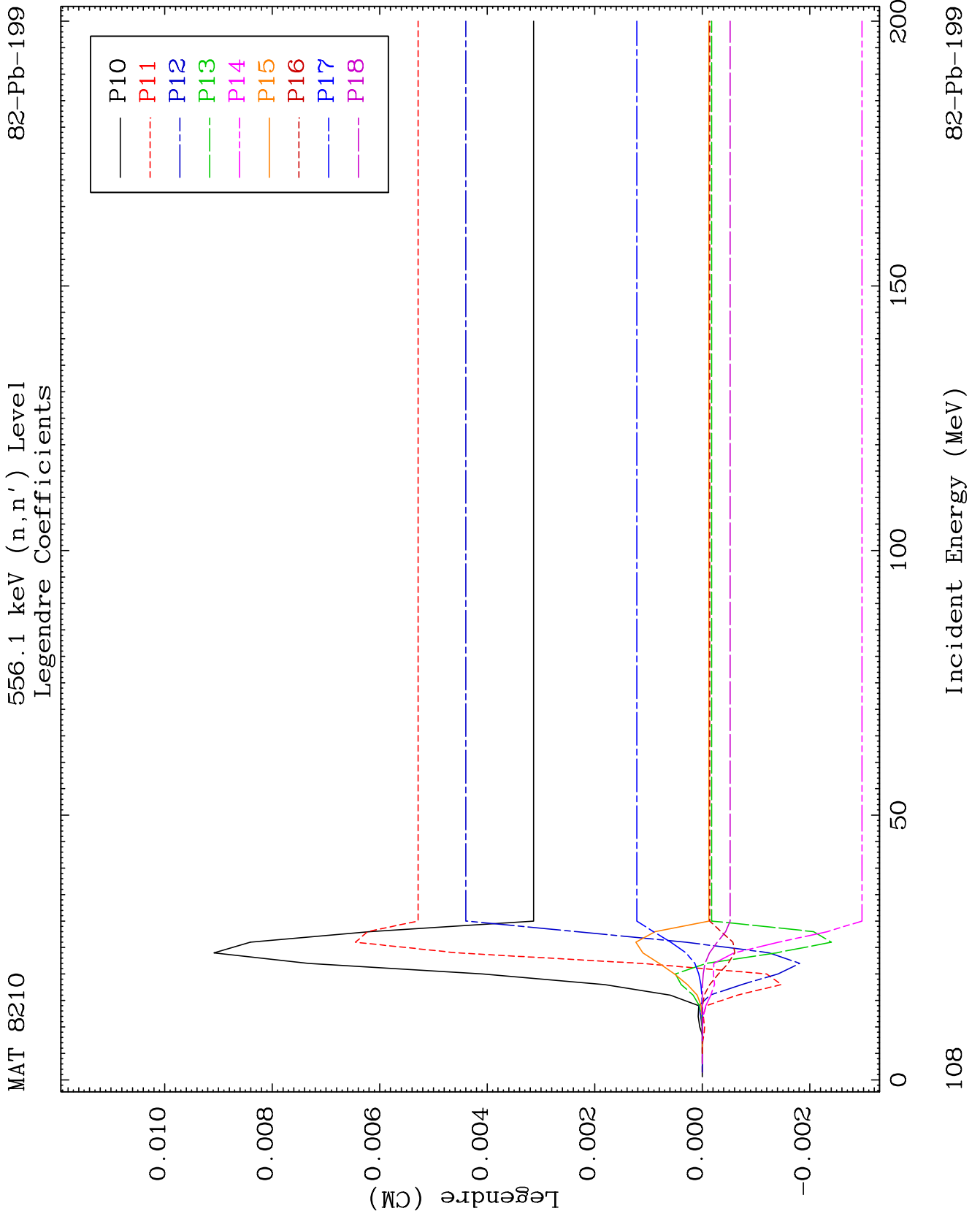
82-Pb-199

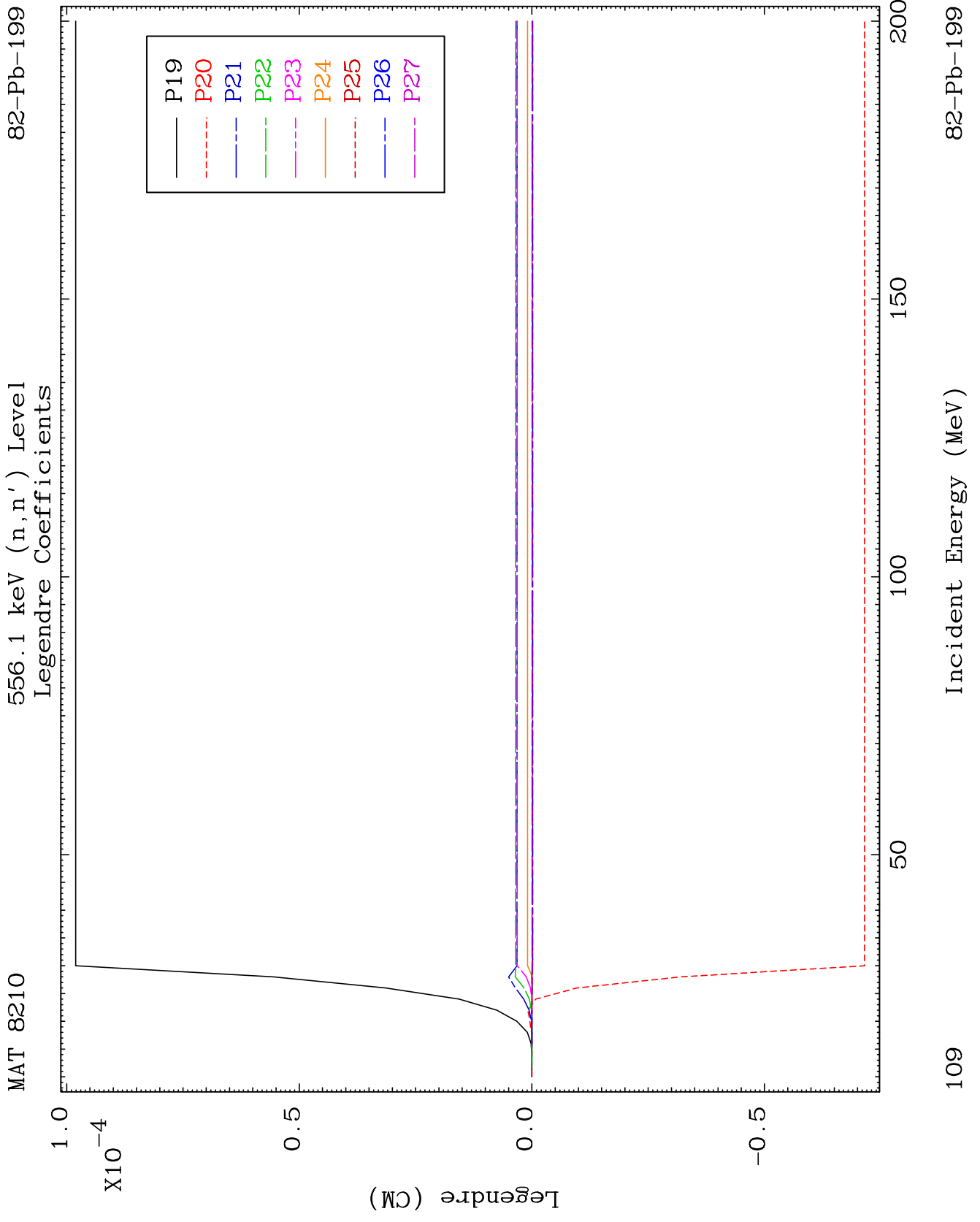


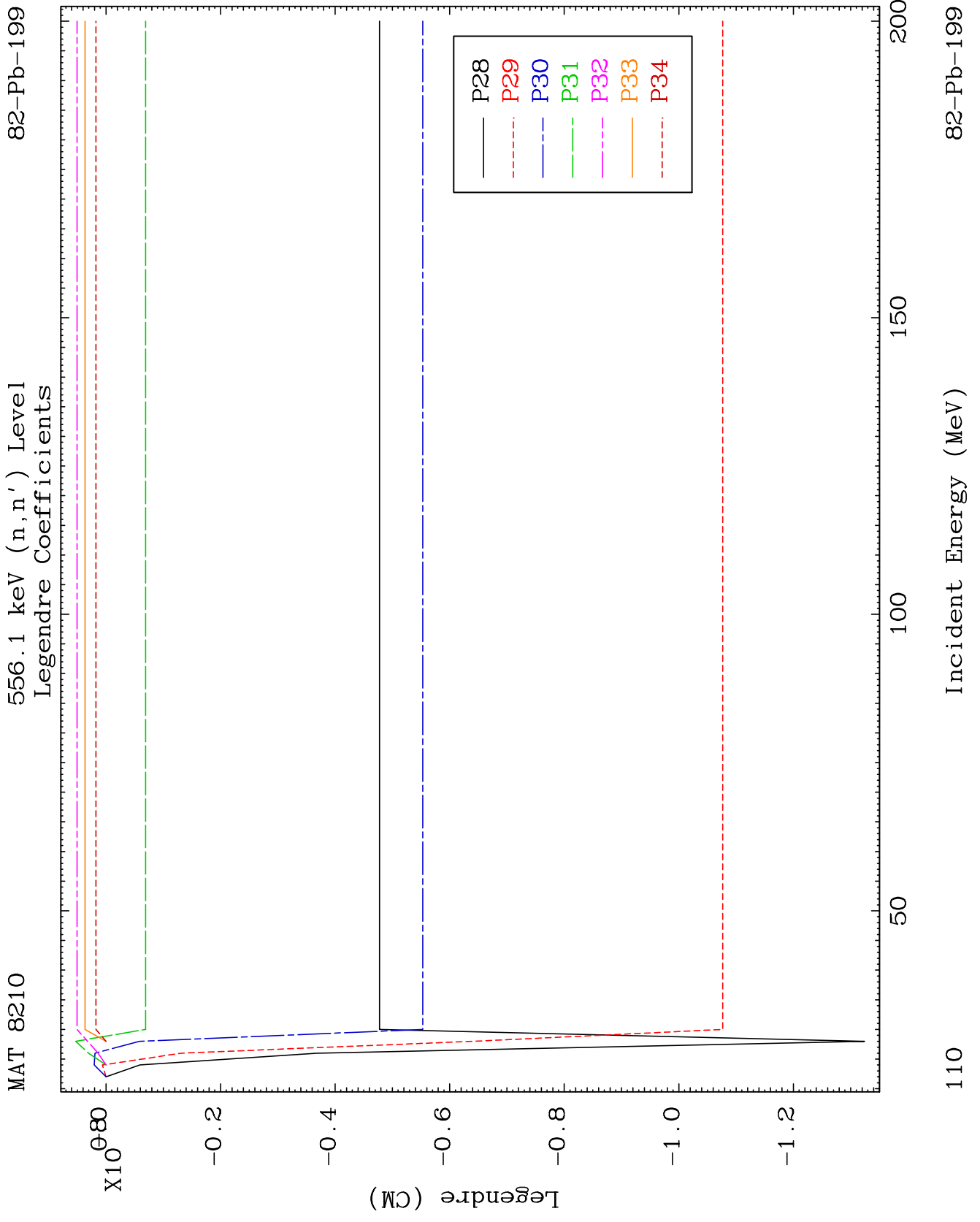
107

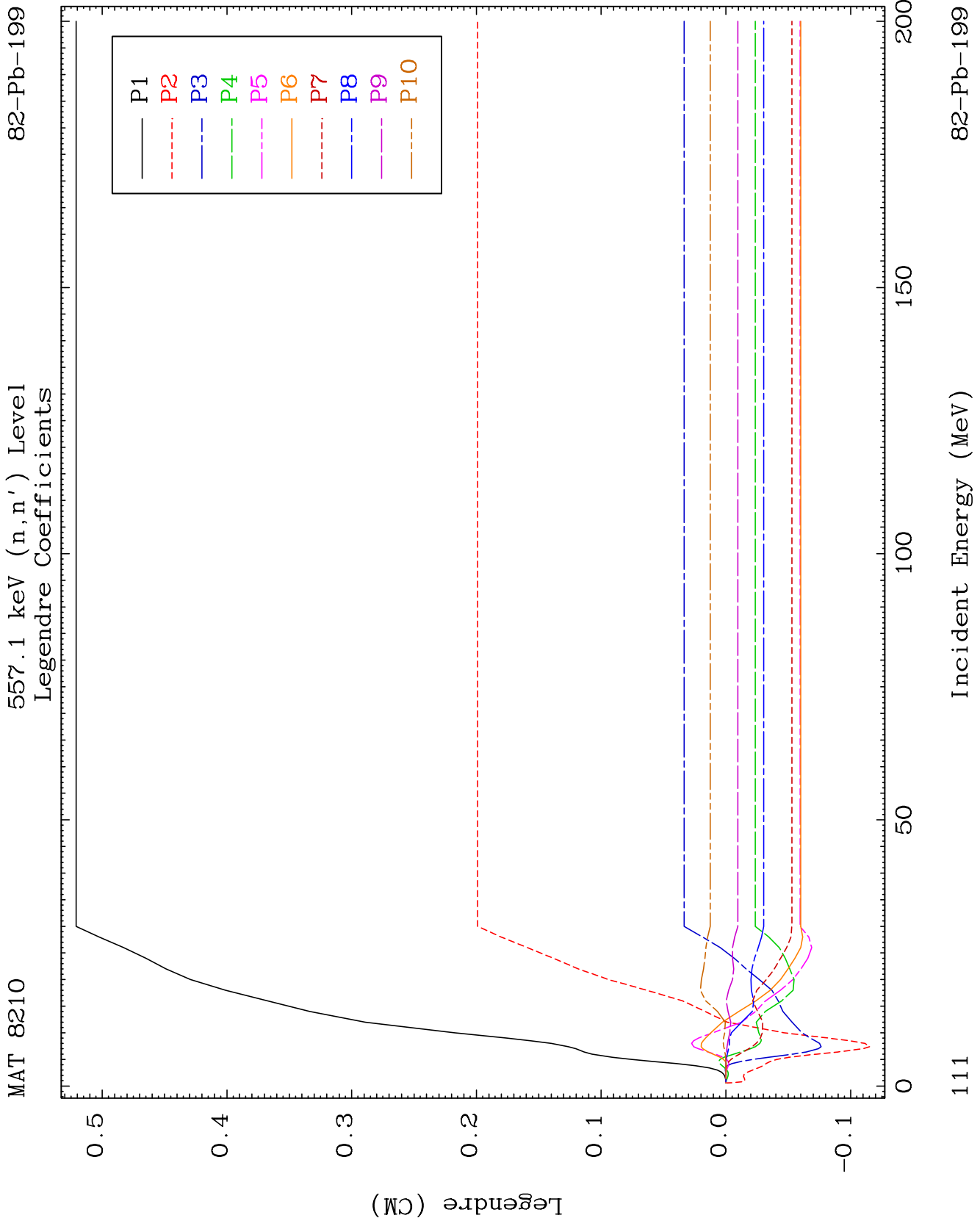
Incident Energy (MeV)

82-Pb-199





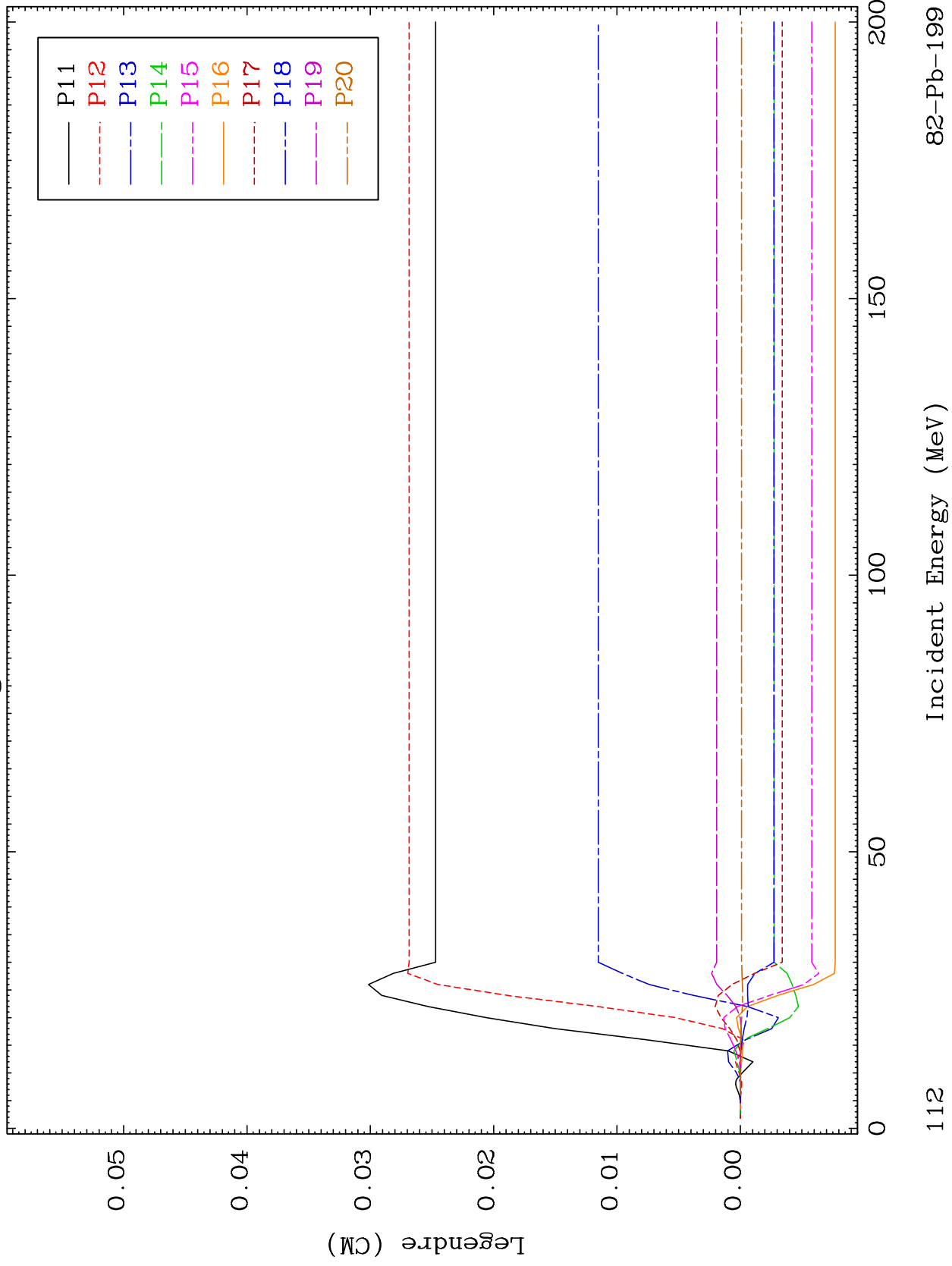




MAT 8210

557.1 keV (n,n') Level
Legendre Coefficients

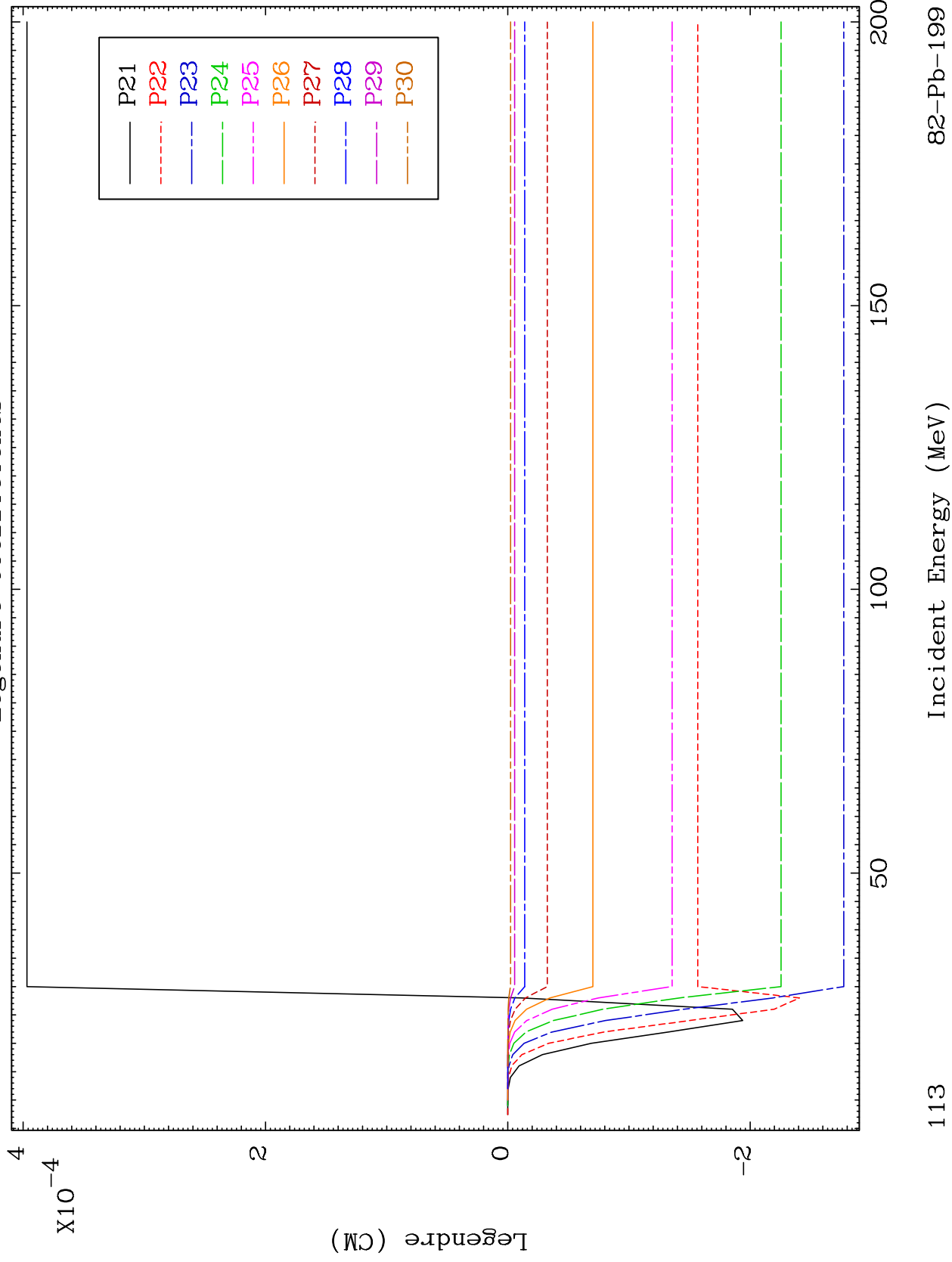
82-Pb-199

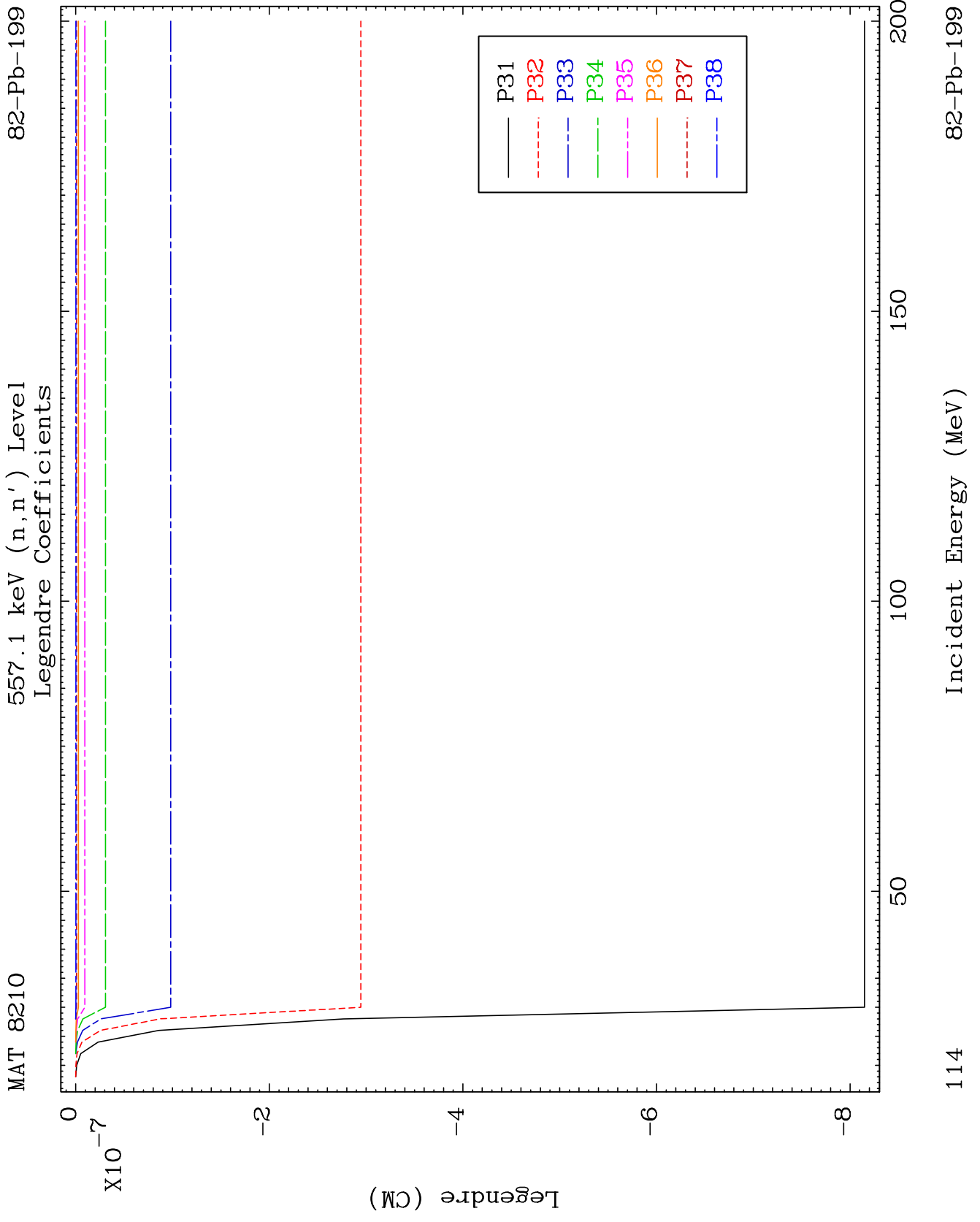


MAT 8210

557.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199

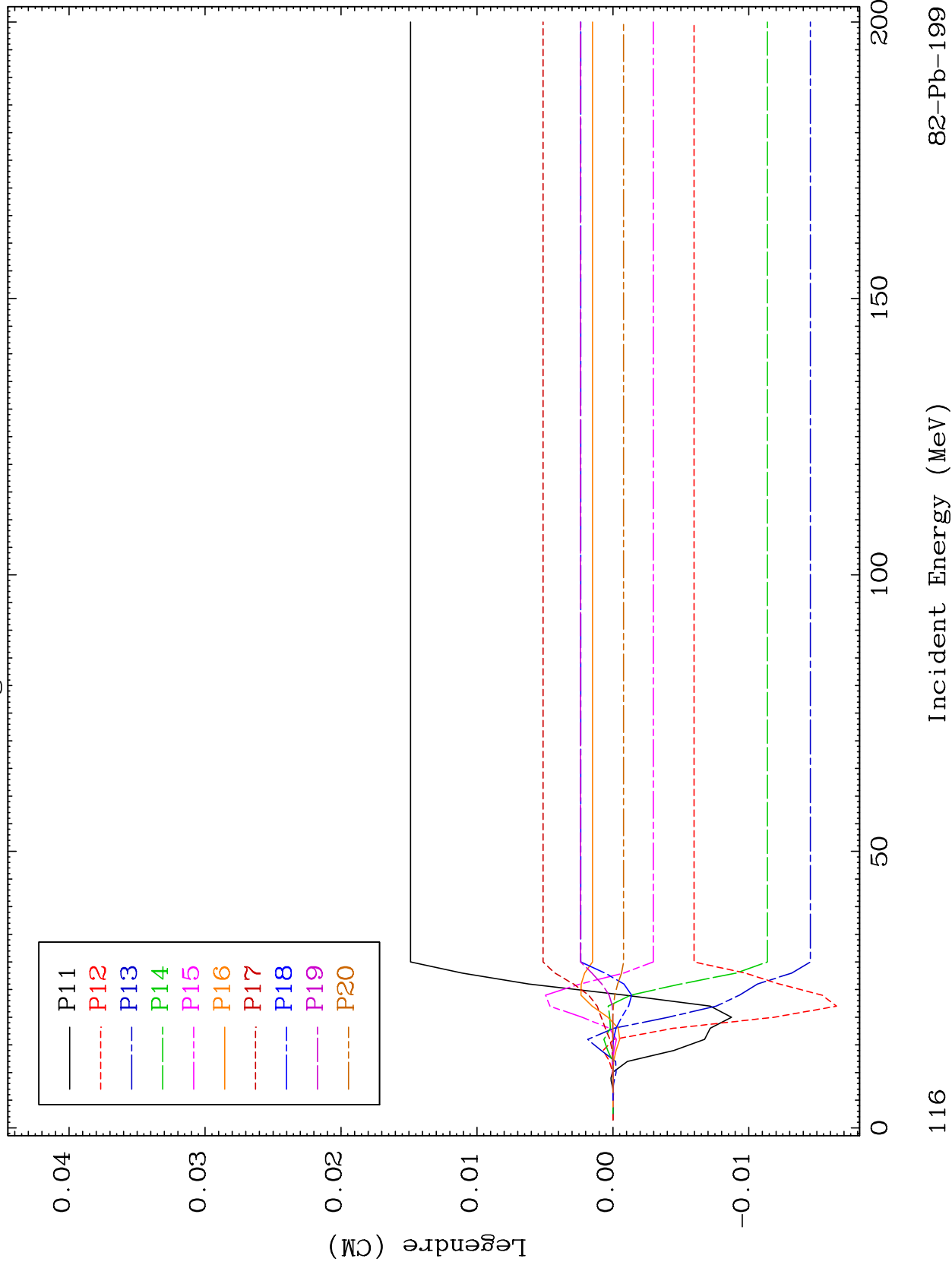




MAT 8210

558.1 keV (n, n') Level
Legendre Coefficients

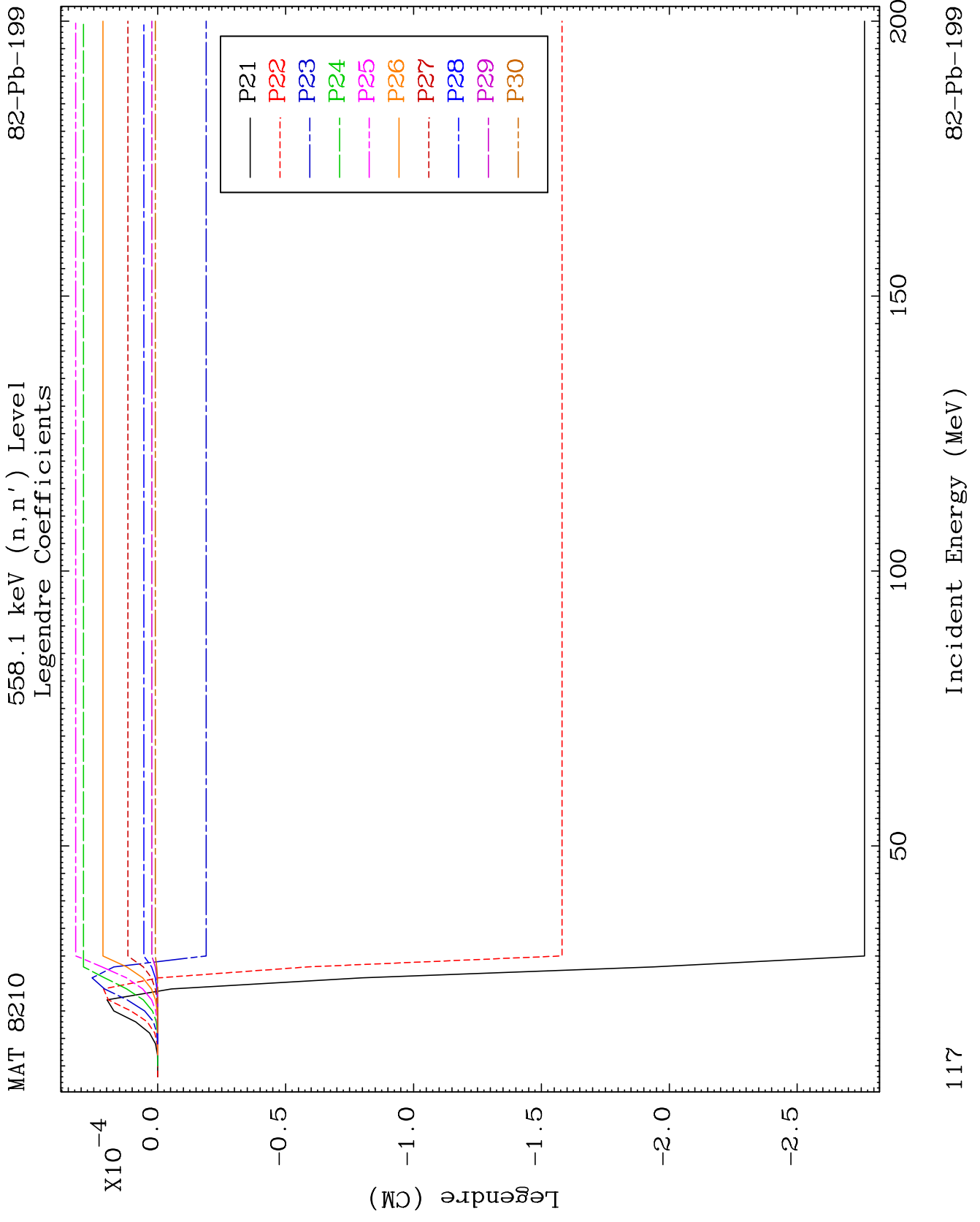
82-Pb-199

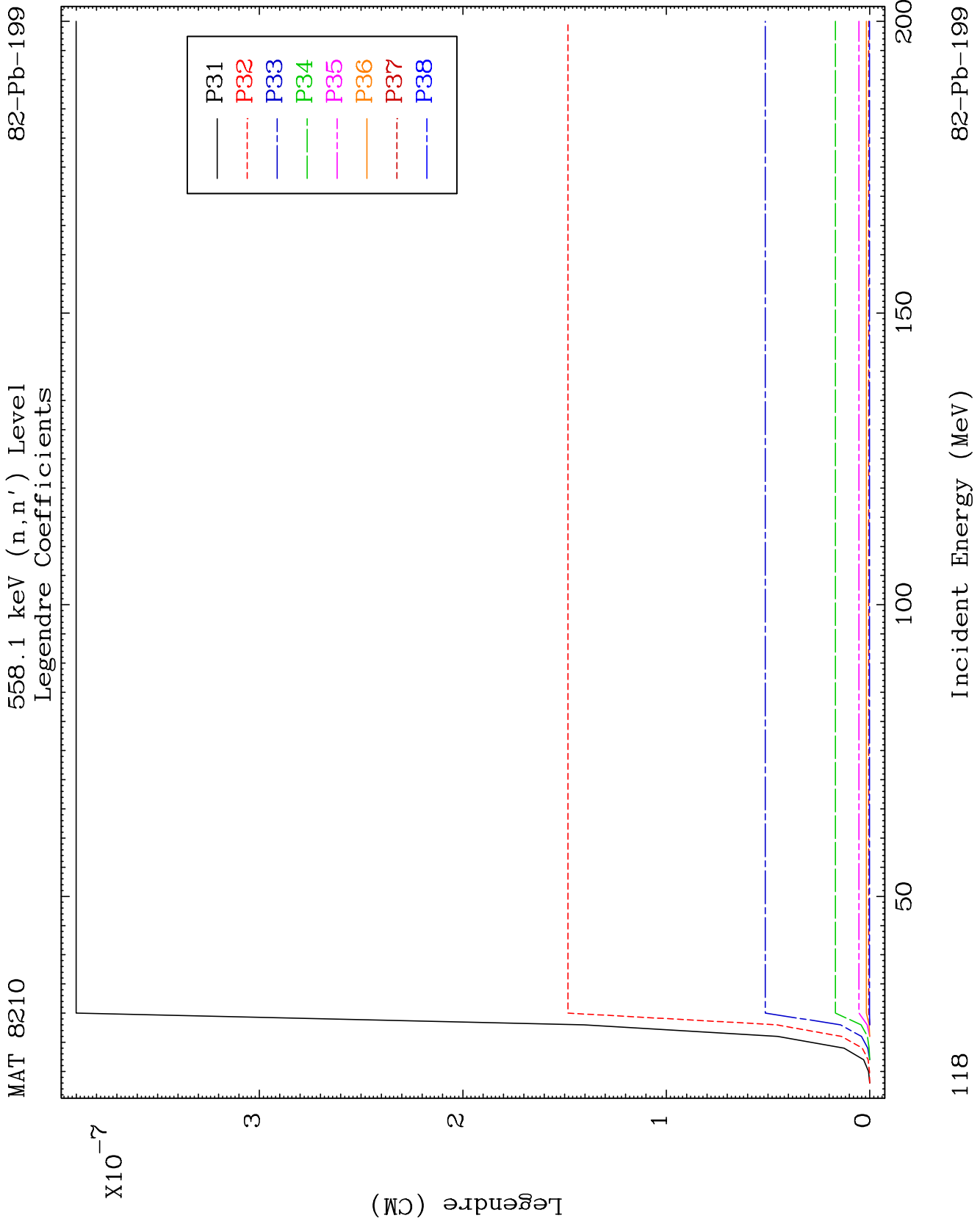


82-Pb-199

Incident Energy (MeV)

116

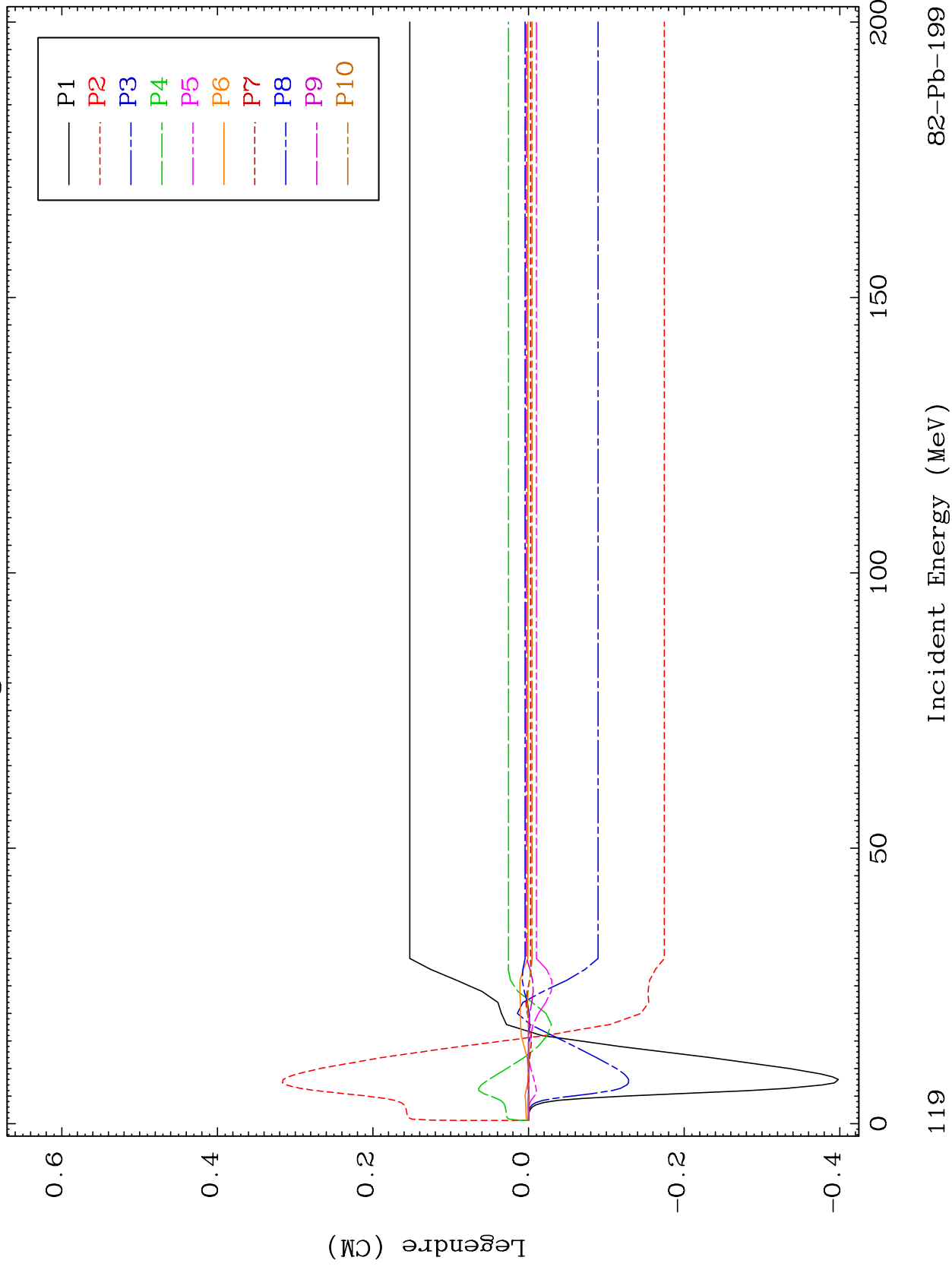




MAT 8210

559.1 keV (n,n') Level
Legendre Coefficients

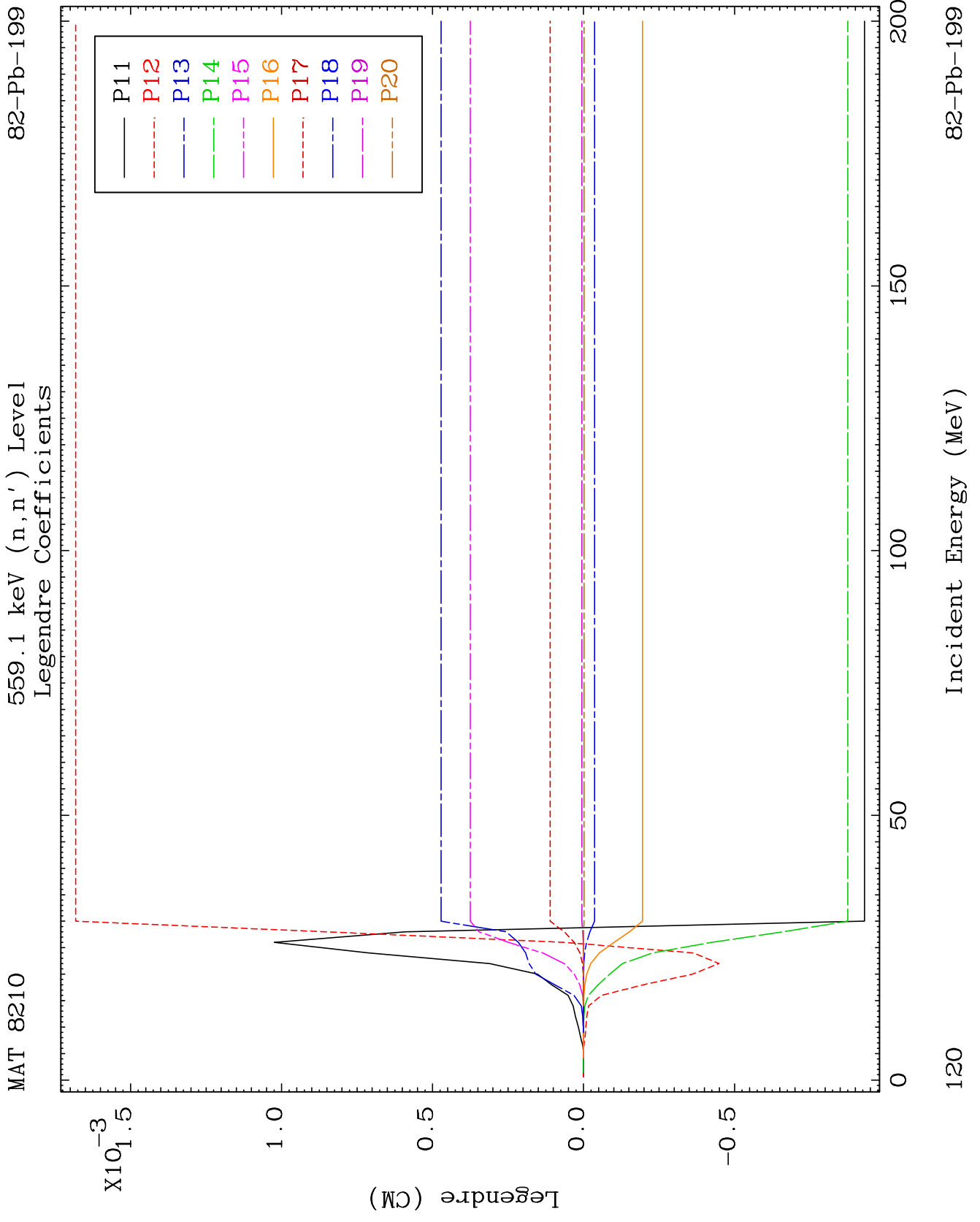
82-Pb-199

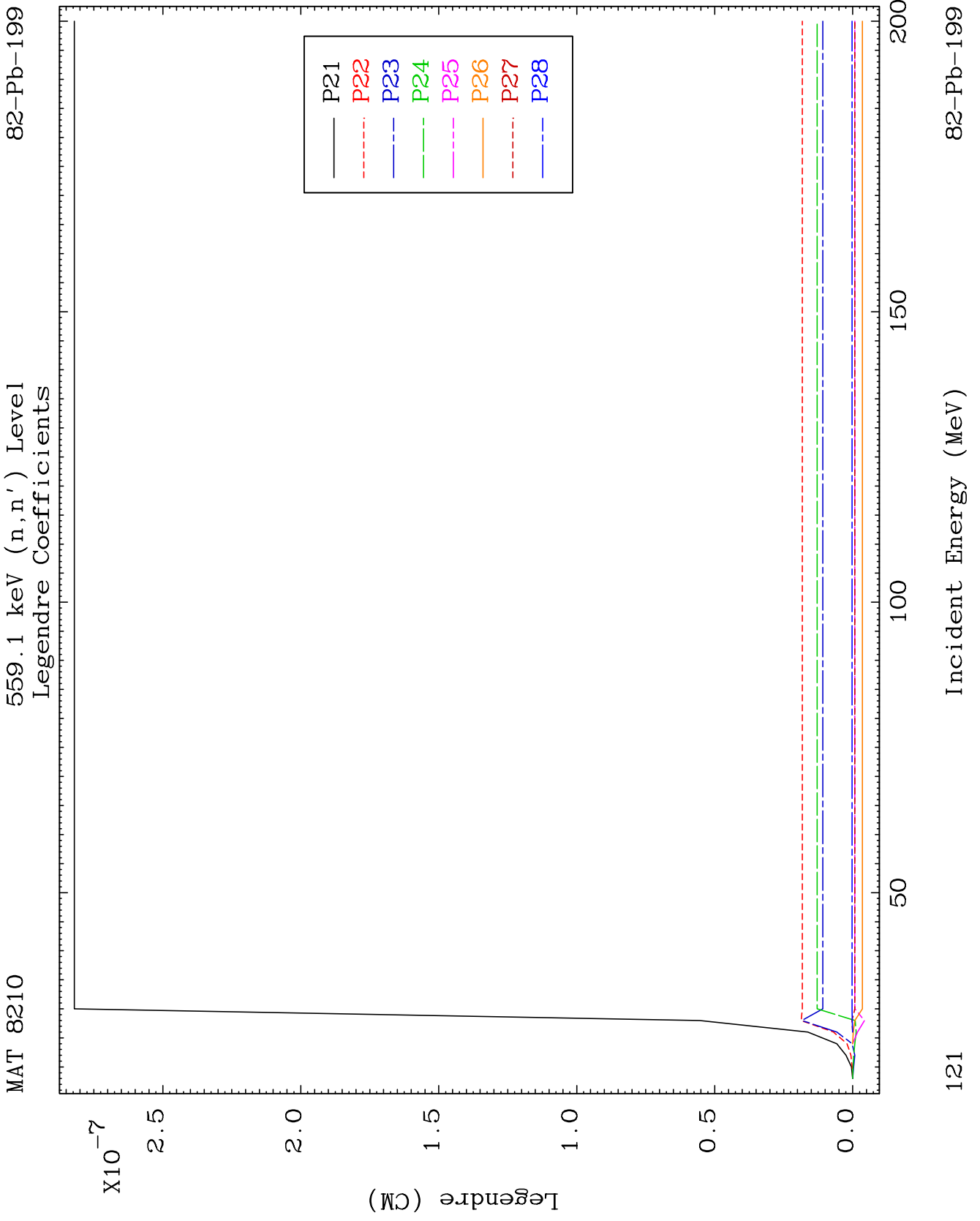


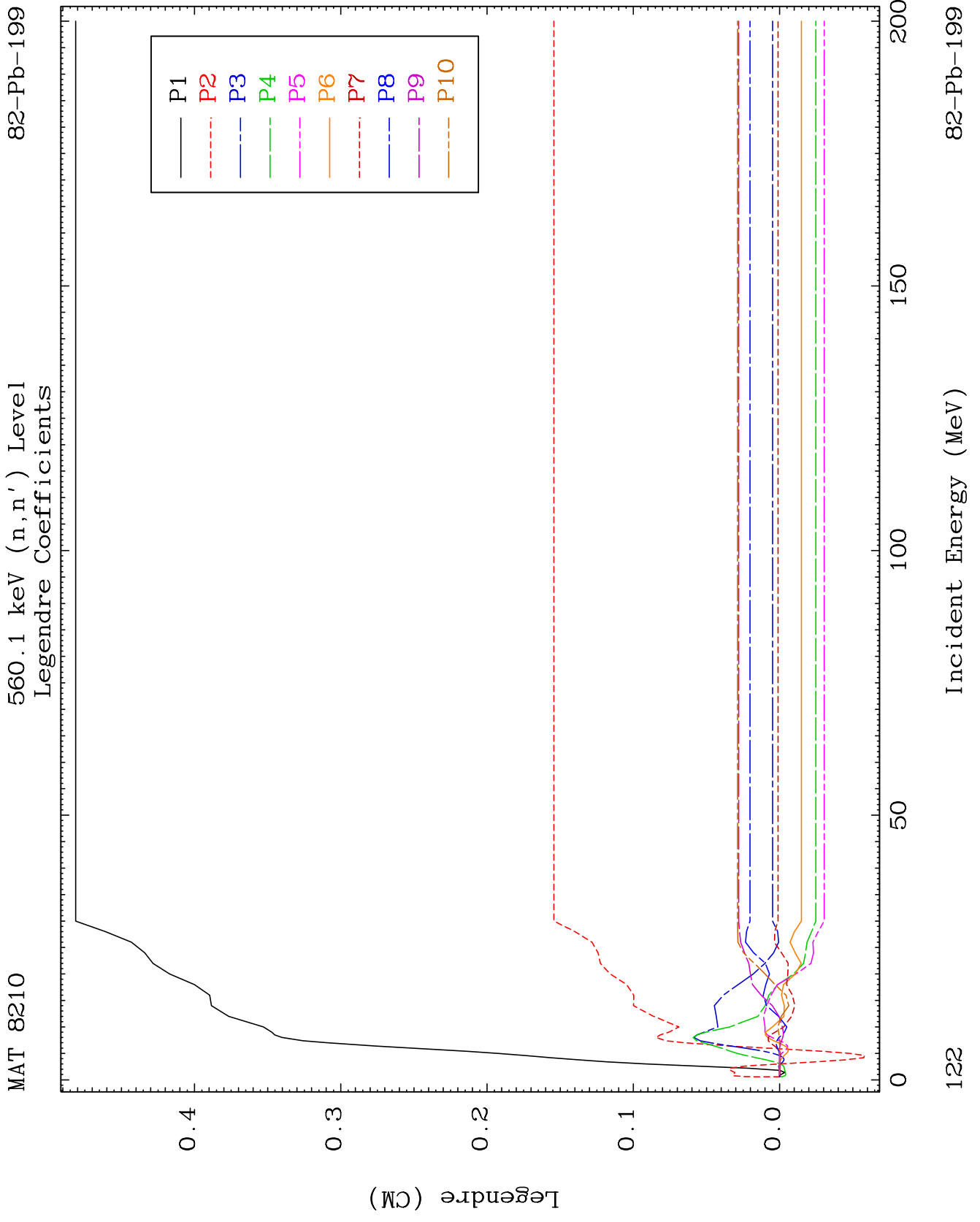
82-Pb-199

Incident Energy (MeV)

119



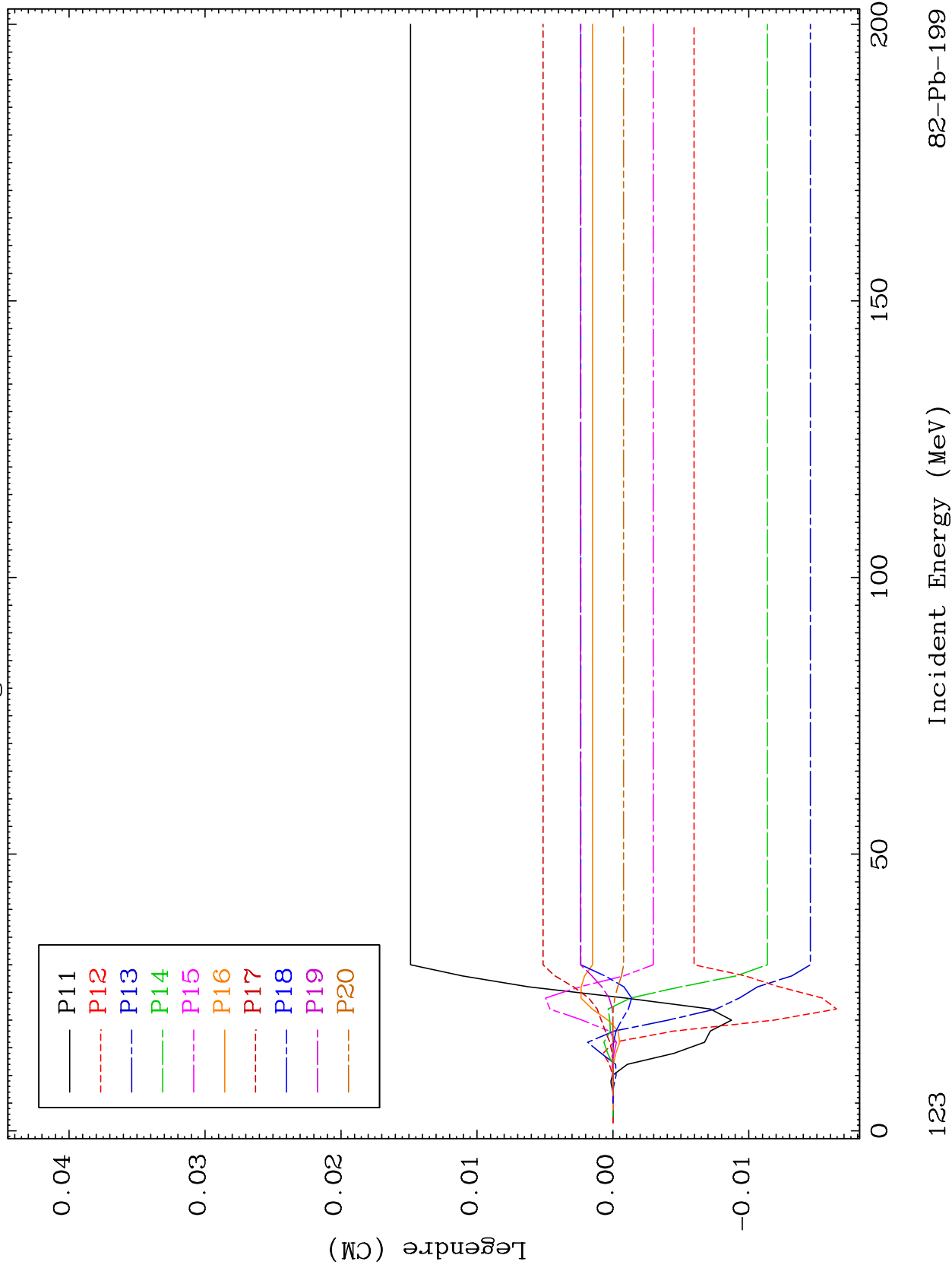




MAT 8210

560.1 keV (n,n') Level
Legendre Coefficients

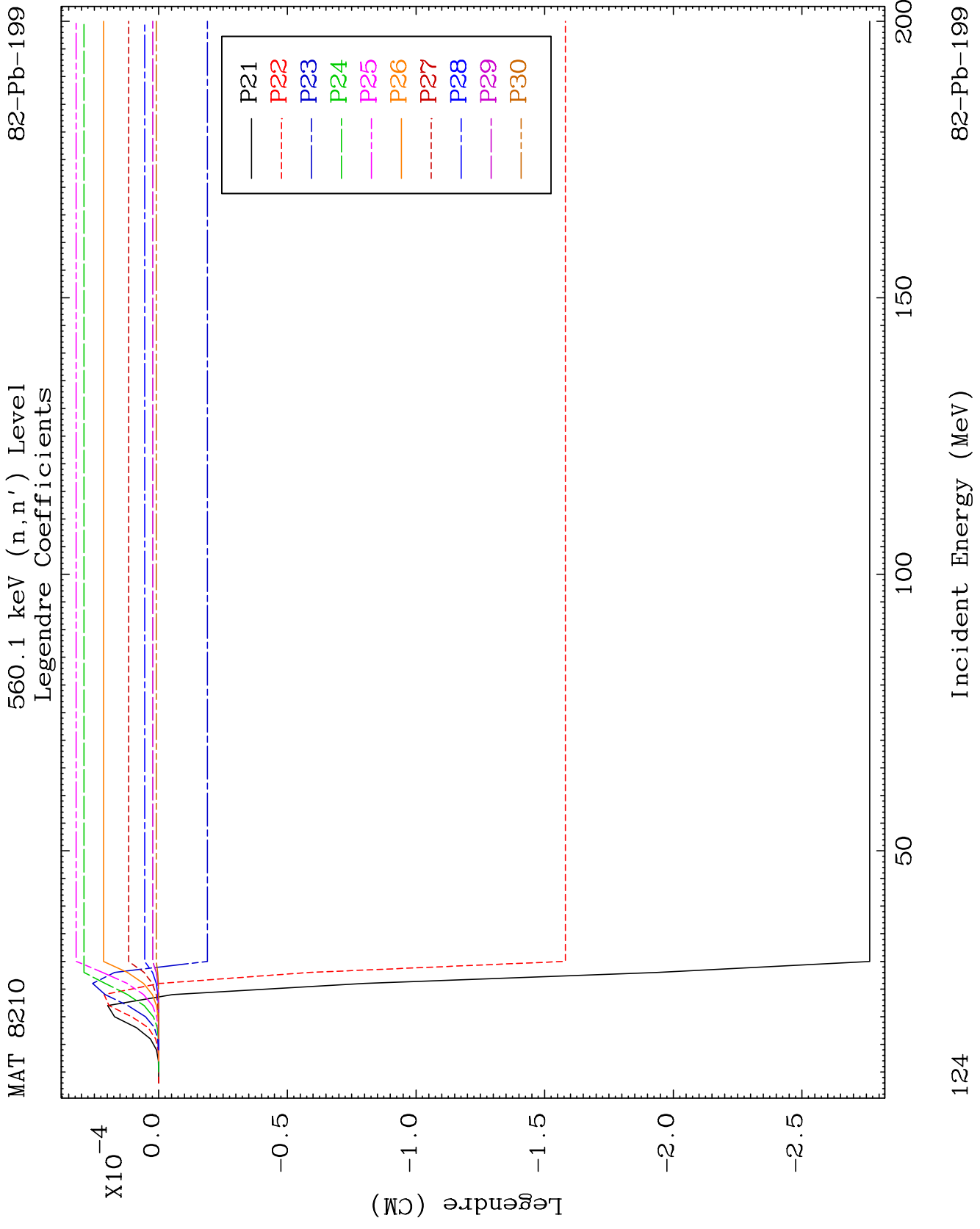
82-Pb-199

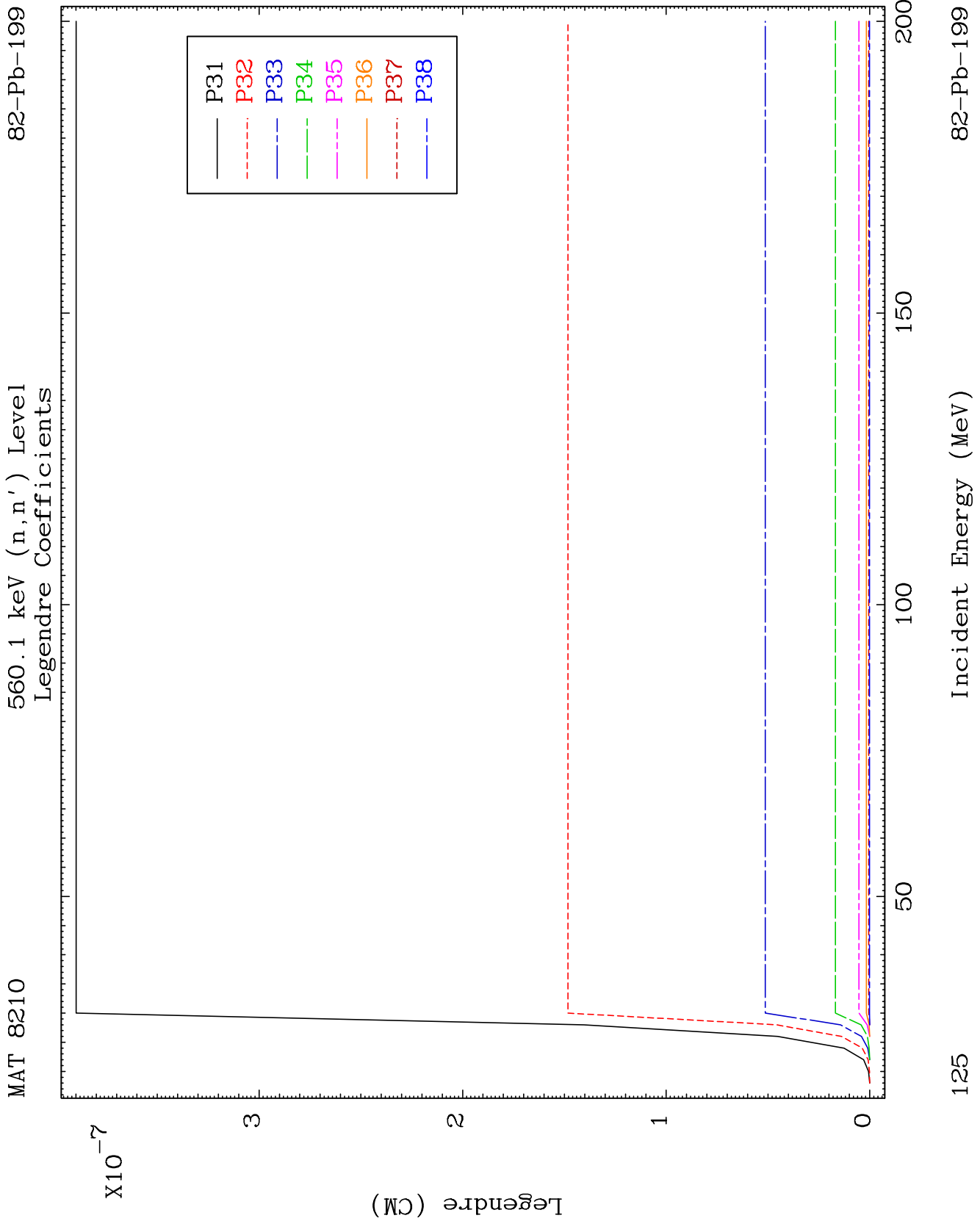


82-Pb-199

Incident Energy (MeV)

123

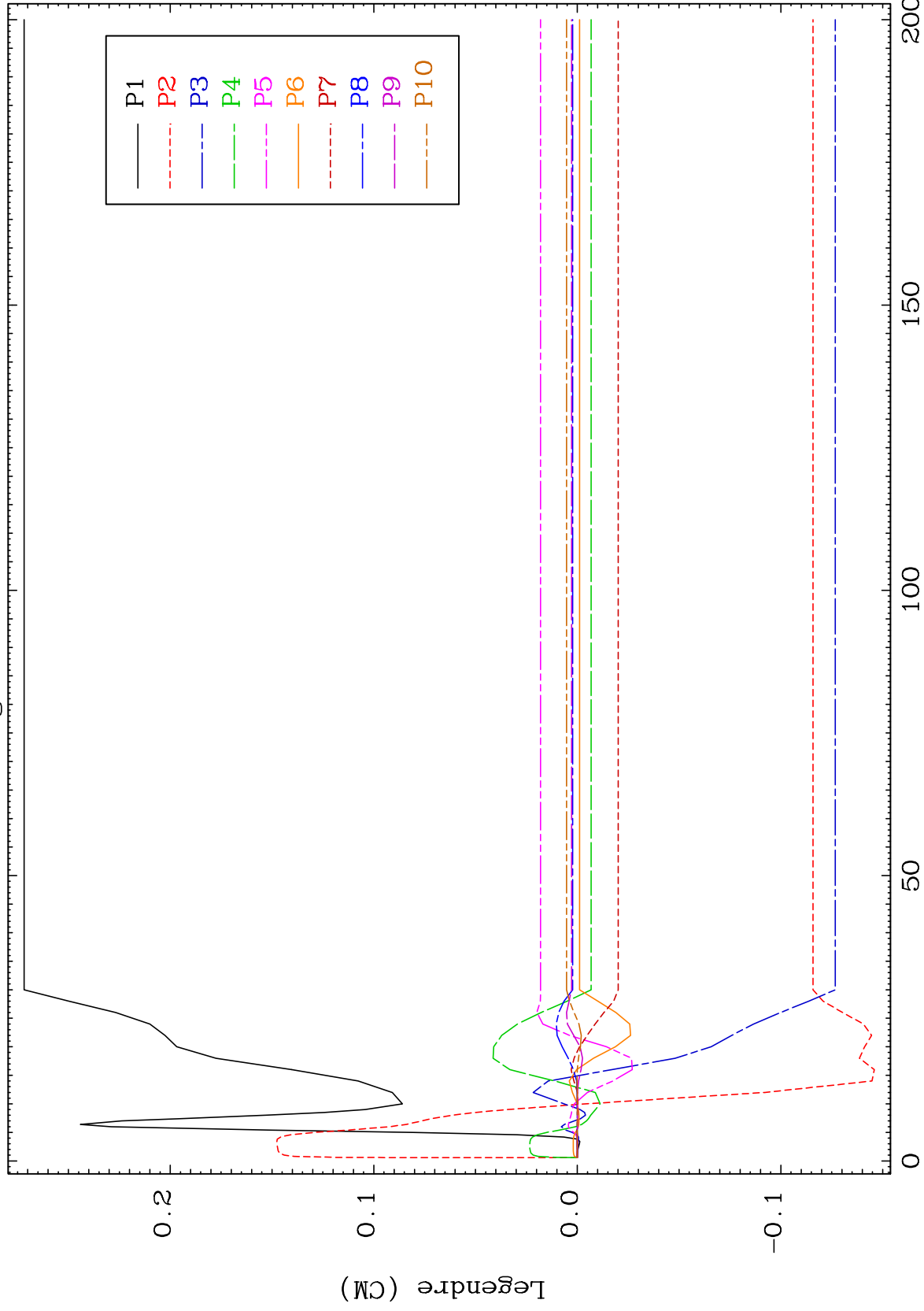




MAT 8210

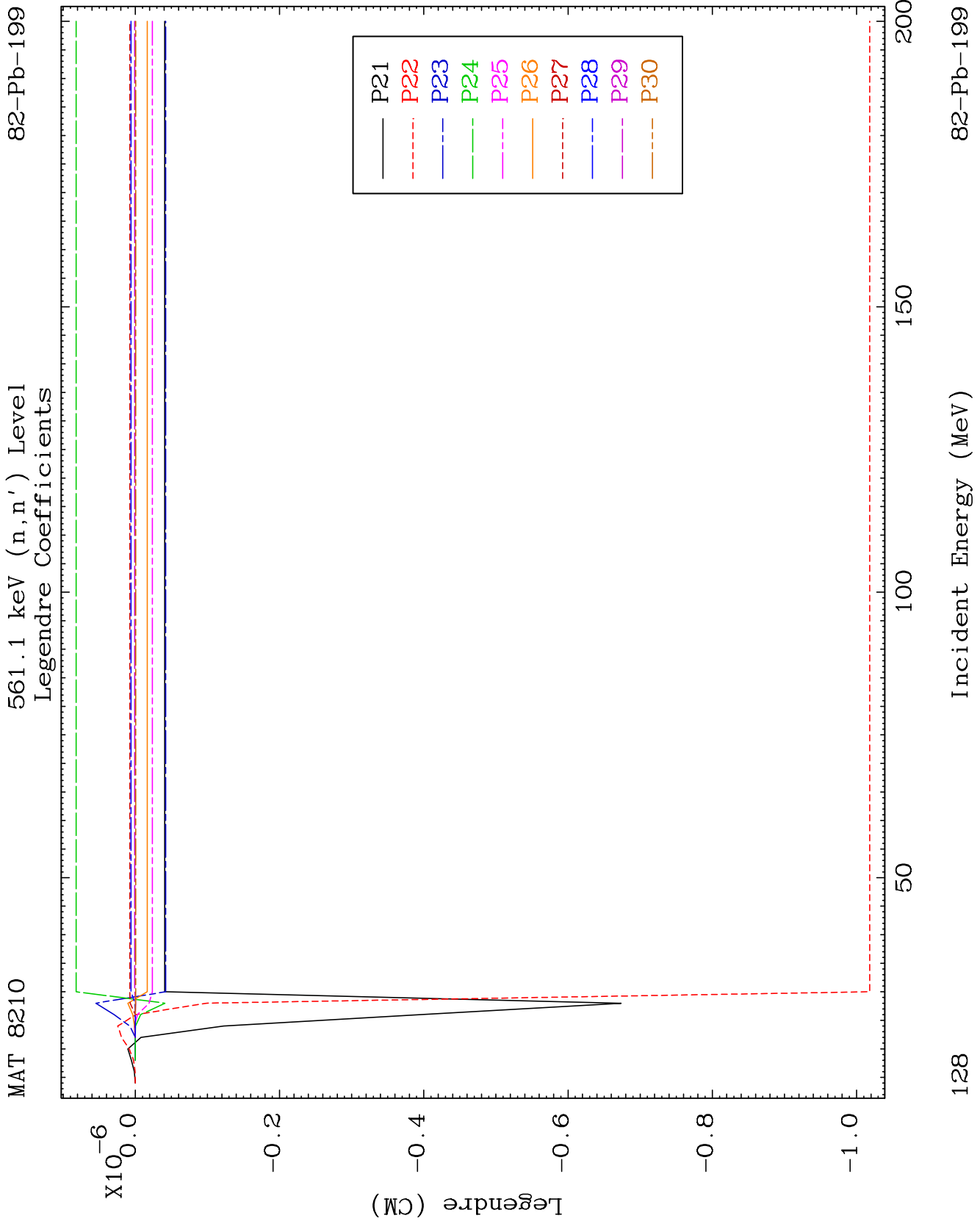
561.1 keV (n,n') Level
Legendre Coefficients

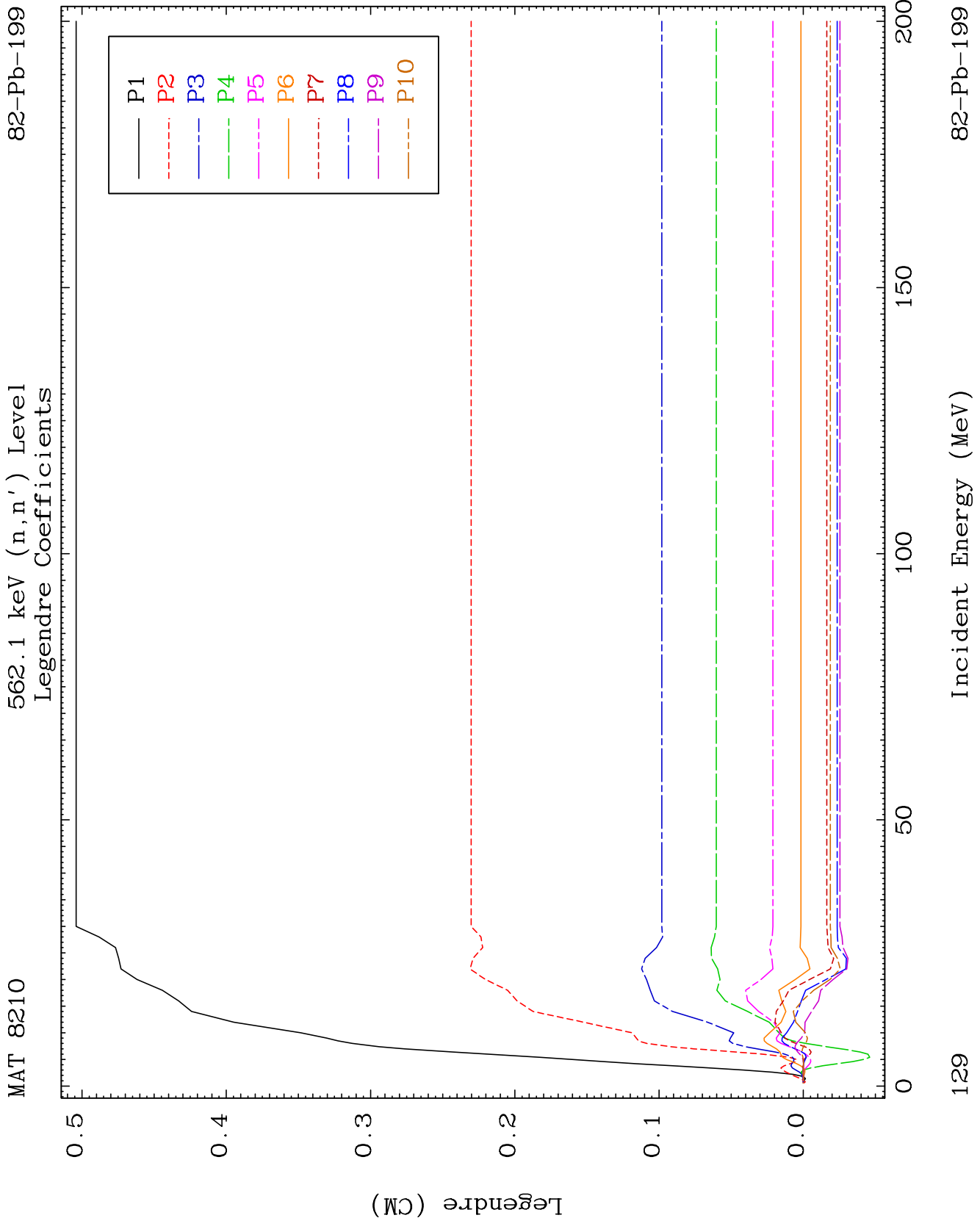
82-Pb-199



126

82-Pb-199

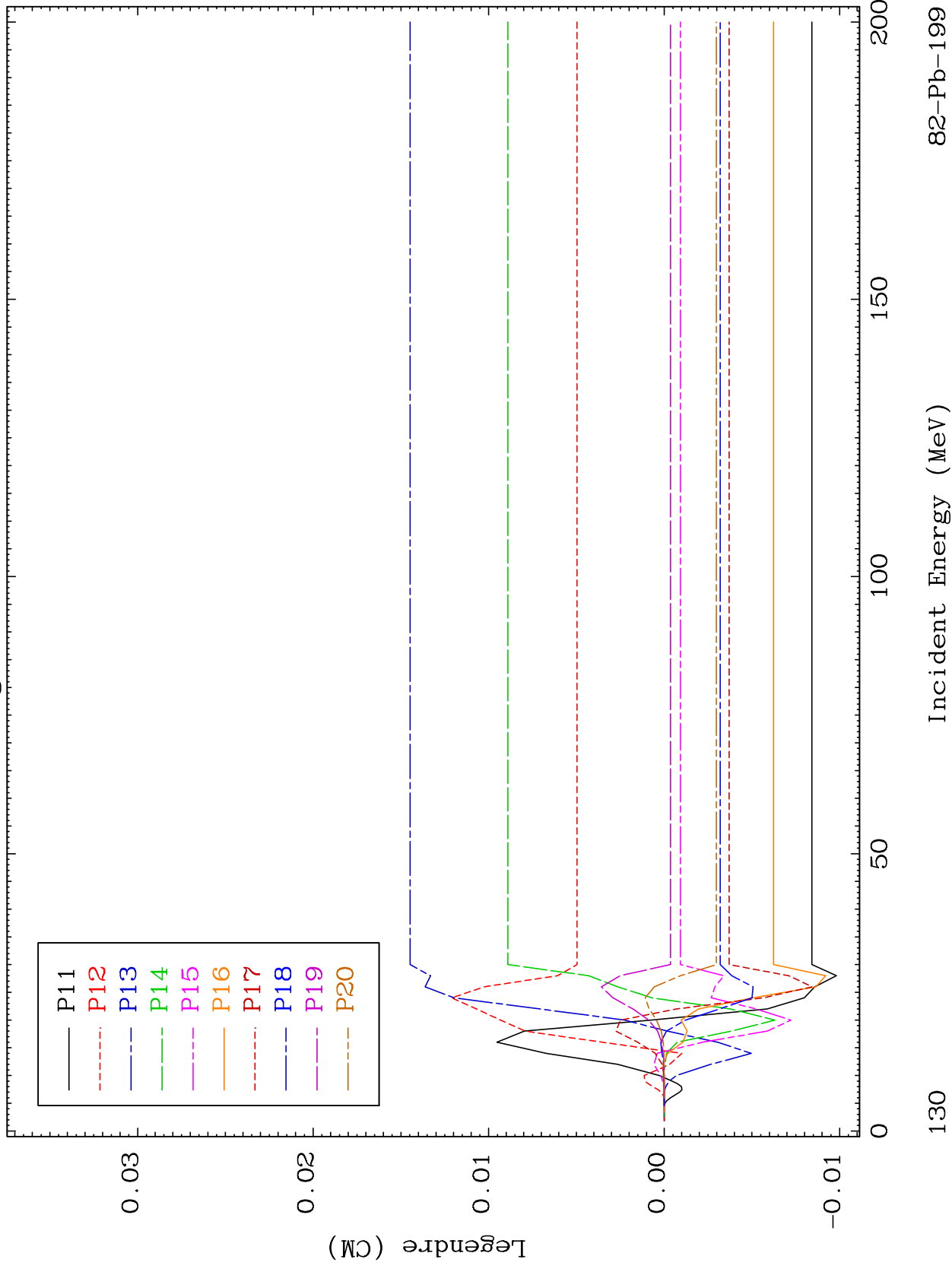




MAT 8210

562.1 keV (n,n') Level
Legendre Coefficients

82-Pb-199



130

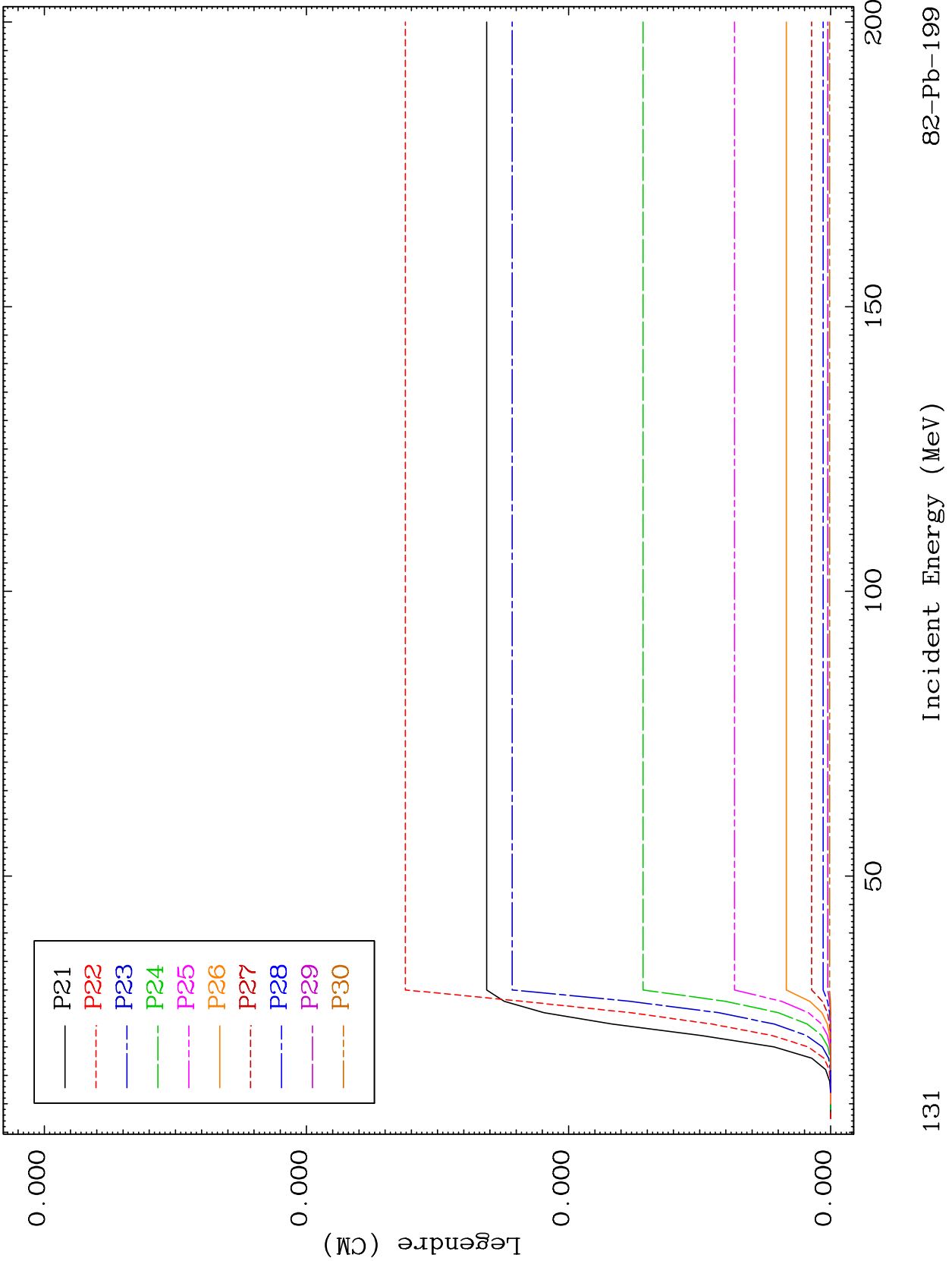
Incident Energy (MeV)

82-Pb-199

MAT 8210

562.1 keV (n,n') Level
Legendre Coefficients

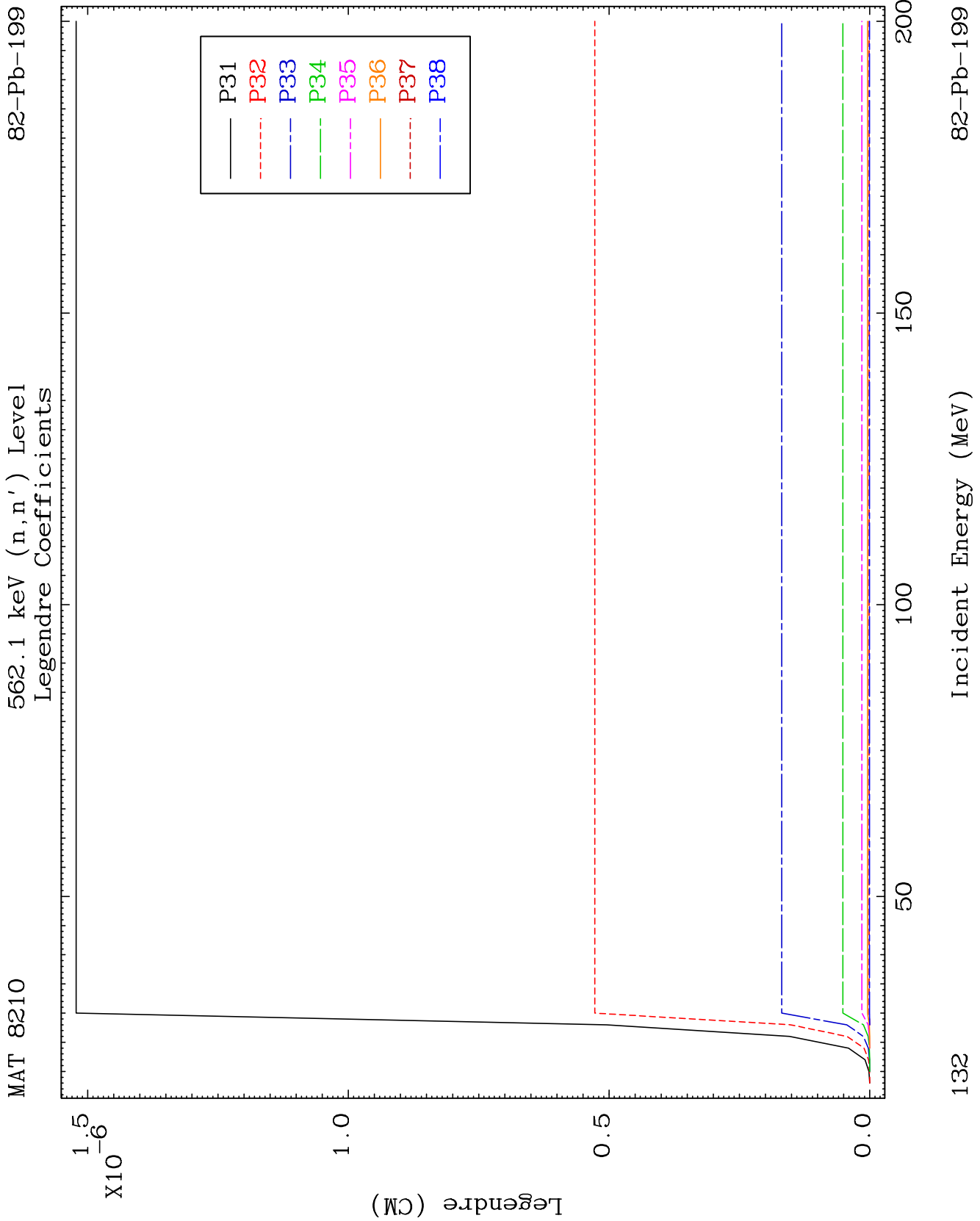
82-Pb-199



131

Incident Energy (MeV)

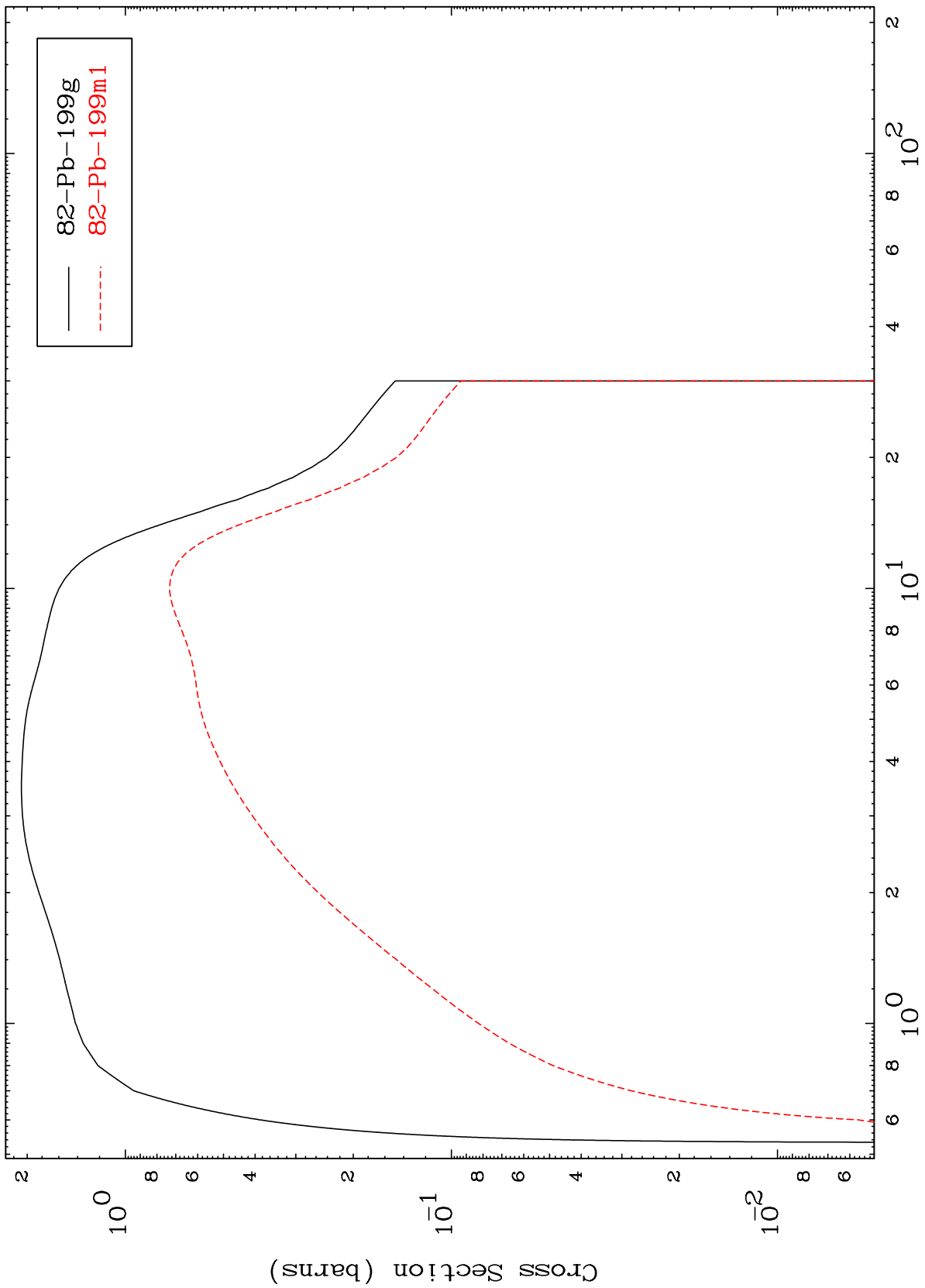
82-Pb-199



MAT 8210

82-Pb-199

Inelastic
Radionuclide Production Cross Section



133

Incident Energy (MeV)

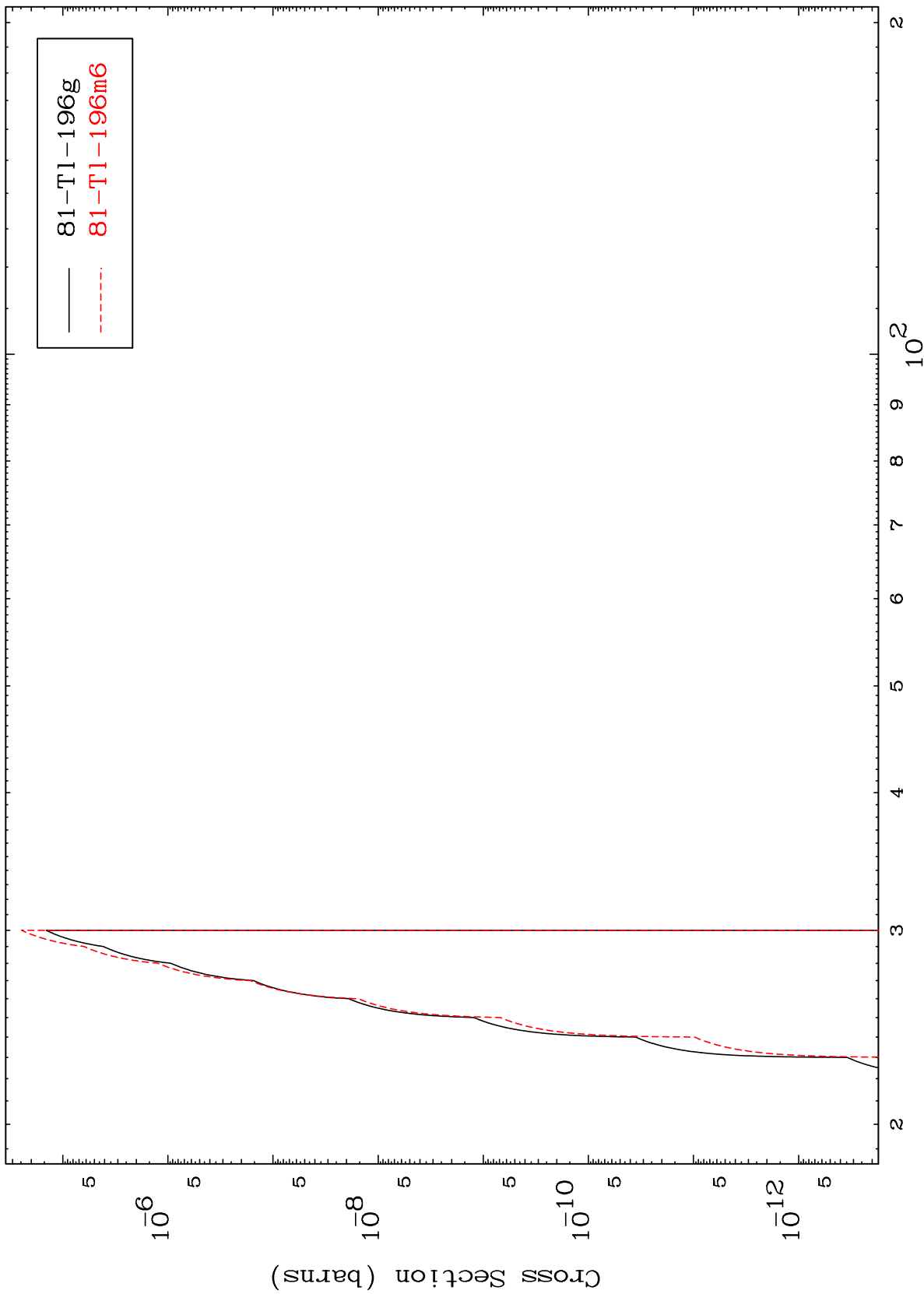
82-Pb-199

MAT 8210

(n,2n) d

82-Pb-199

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

134

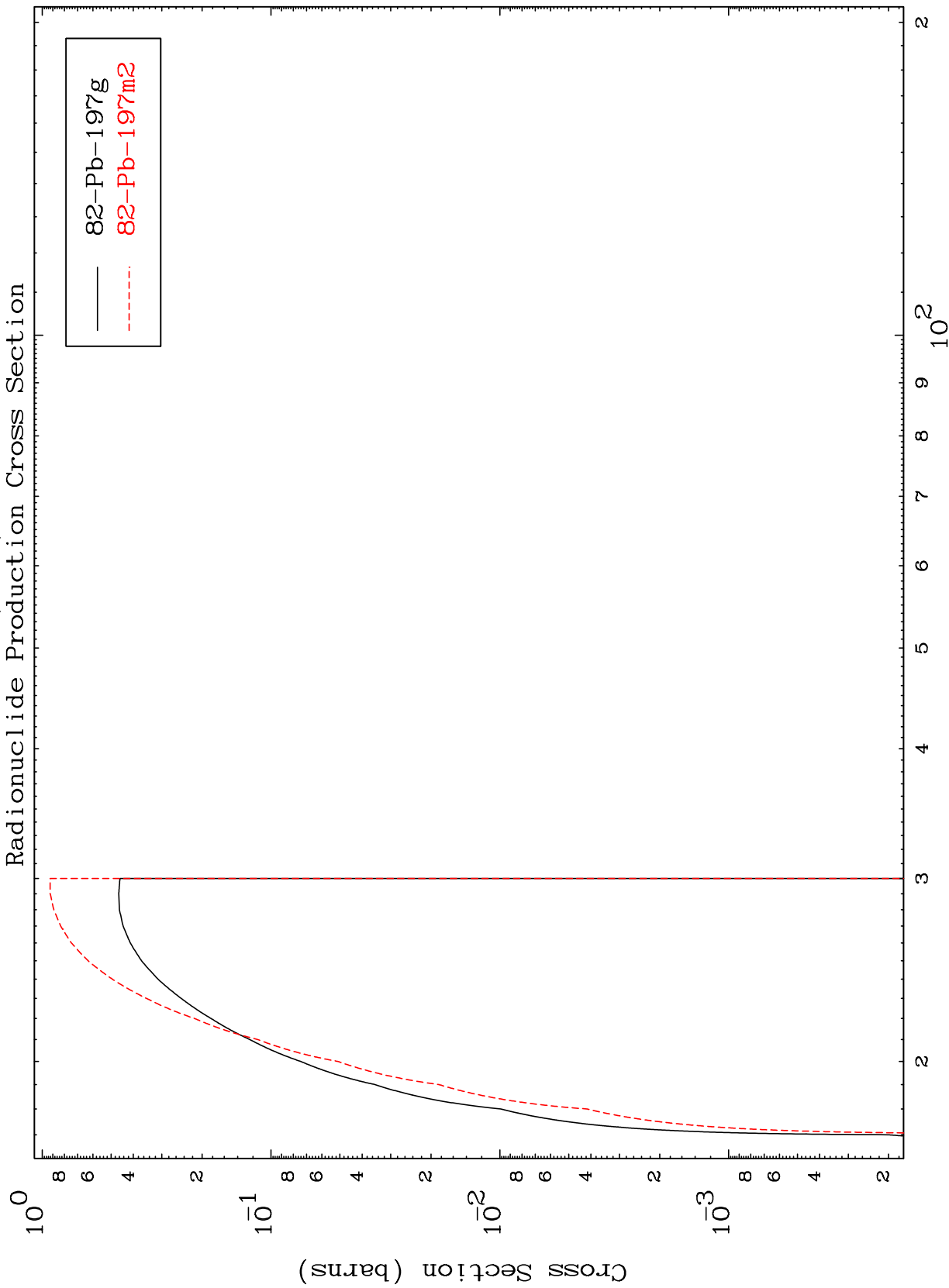
Incident Energy (MeV)

82-Pb-199

MAT 8210

82-Pb-199

(n,3n)
Radionuclide Production Cross Section



135

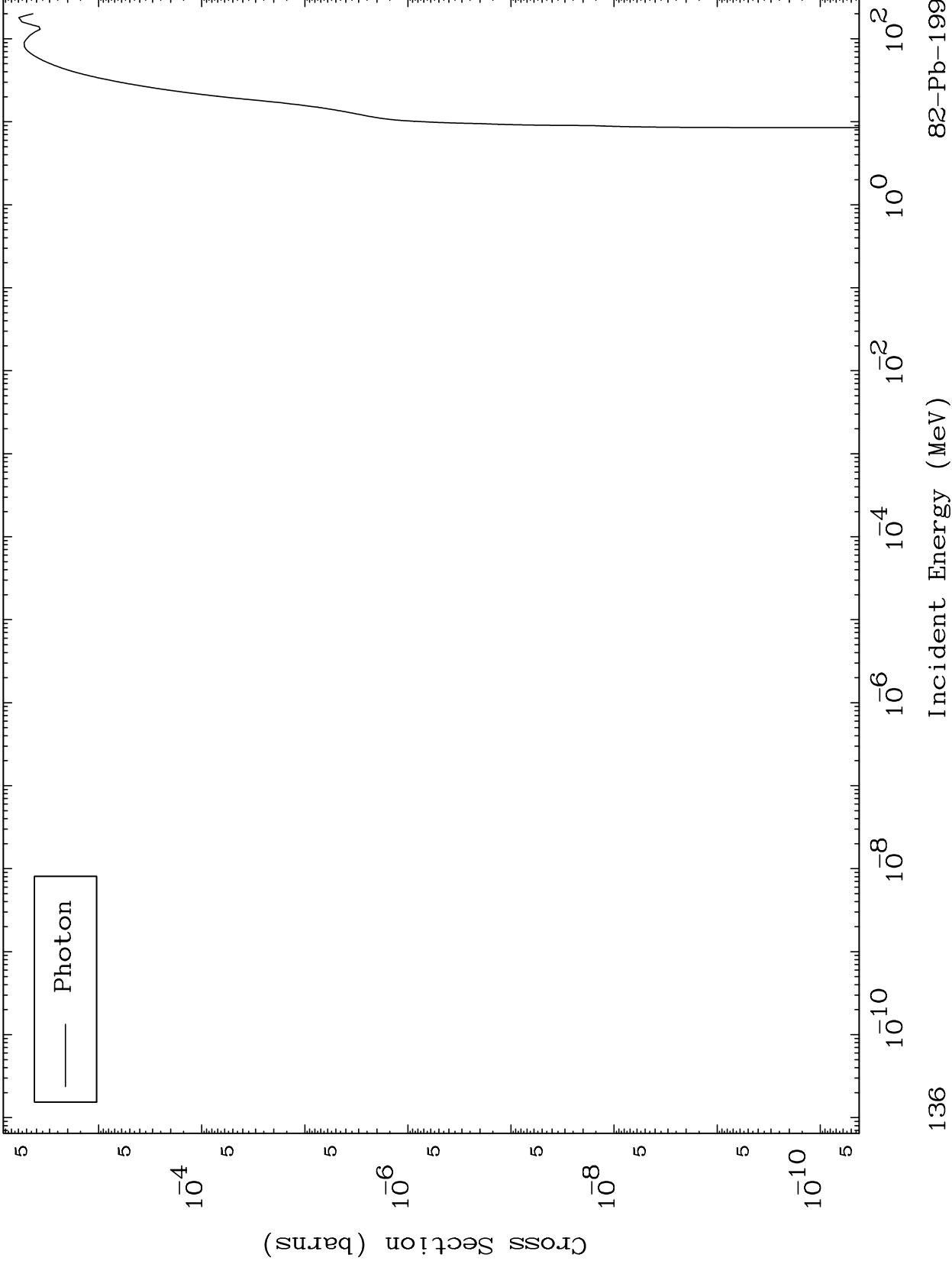
Incident Energy (MeV)

82-Pb-199

MAT 8210

Fission
Radionuclide Production Cross Section

82-Pb-199



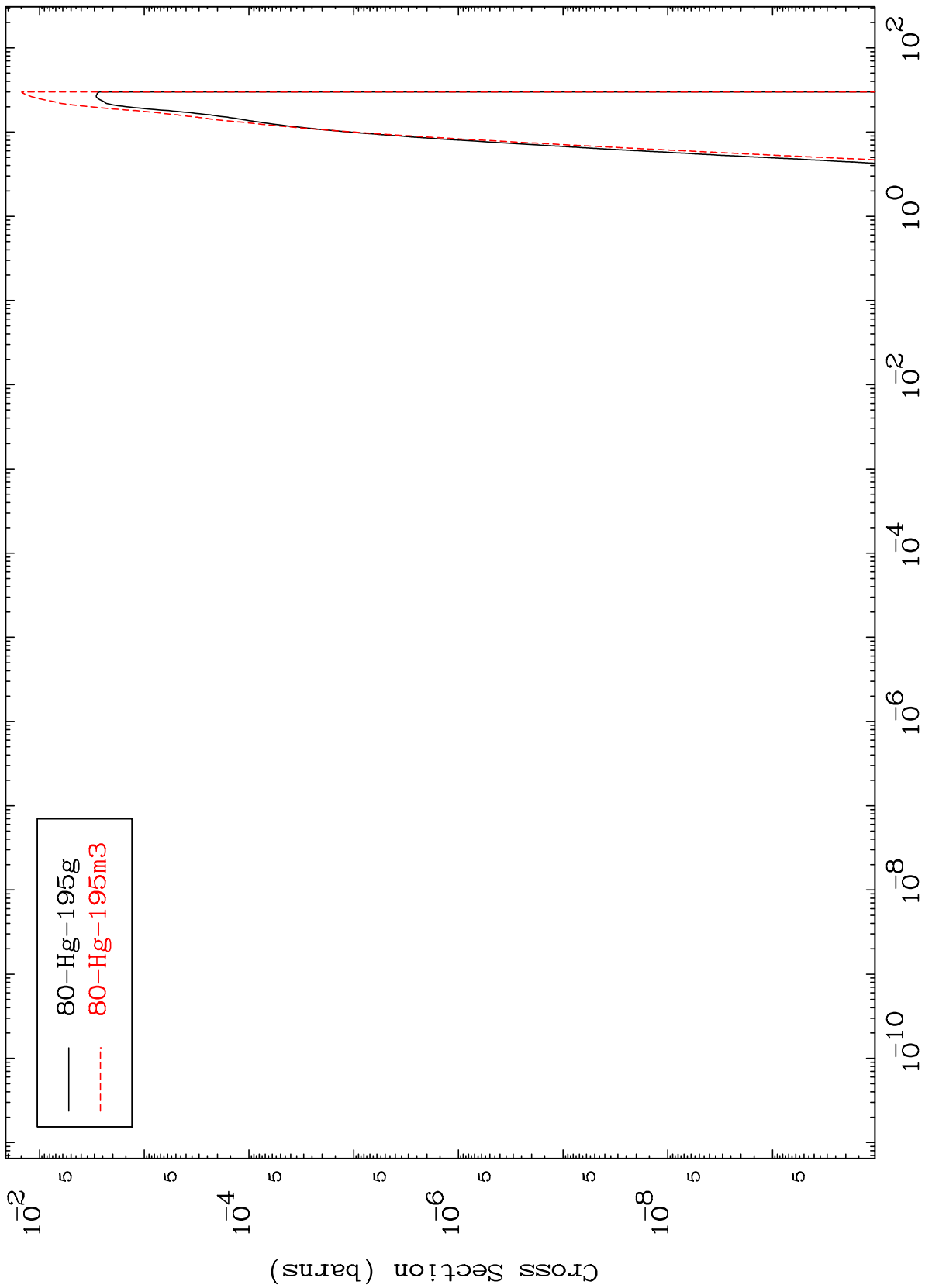
82-Pb-199

MAT 8210

$(n, n') \alpha$

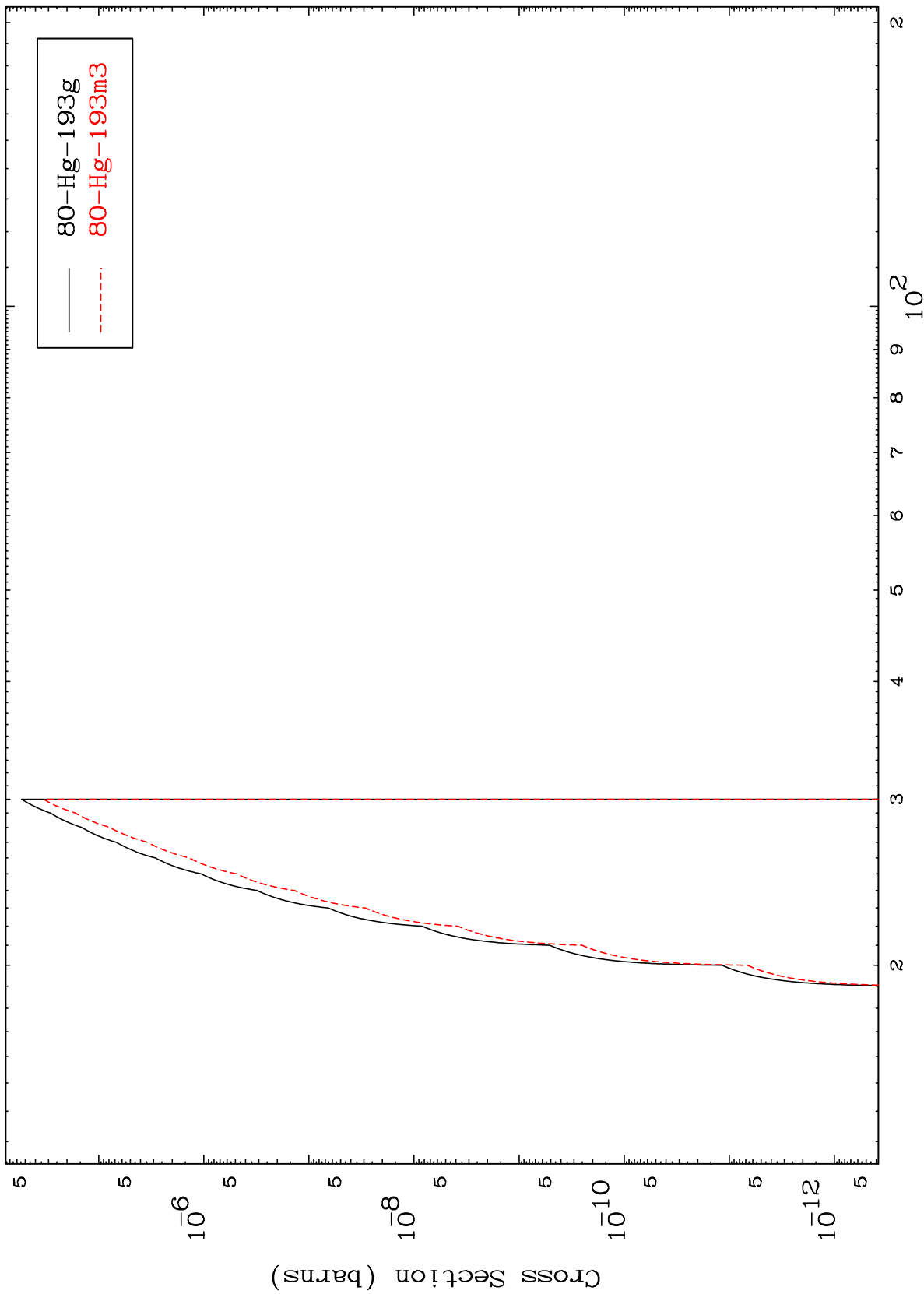
82-Pb-199

Radionuclide Production Cross Section



80-Hg-195g
80-Hg-195m3

Radionuclide Production Cross Section

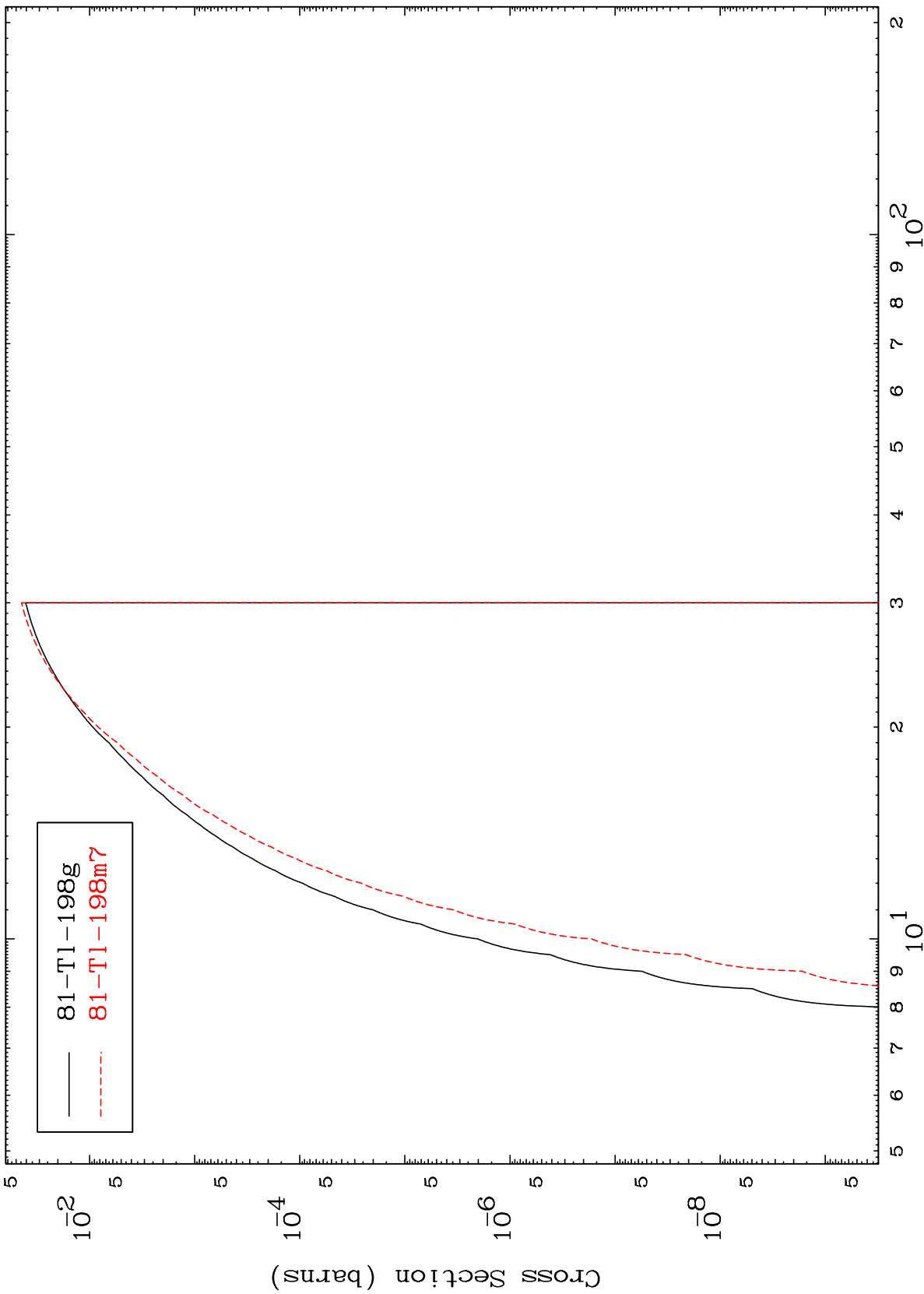


MAT 8210

(n,n') p

82-Pb-199

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

139

Incident Energy (MeV)

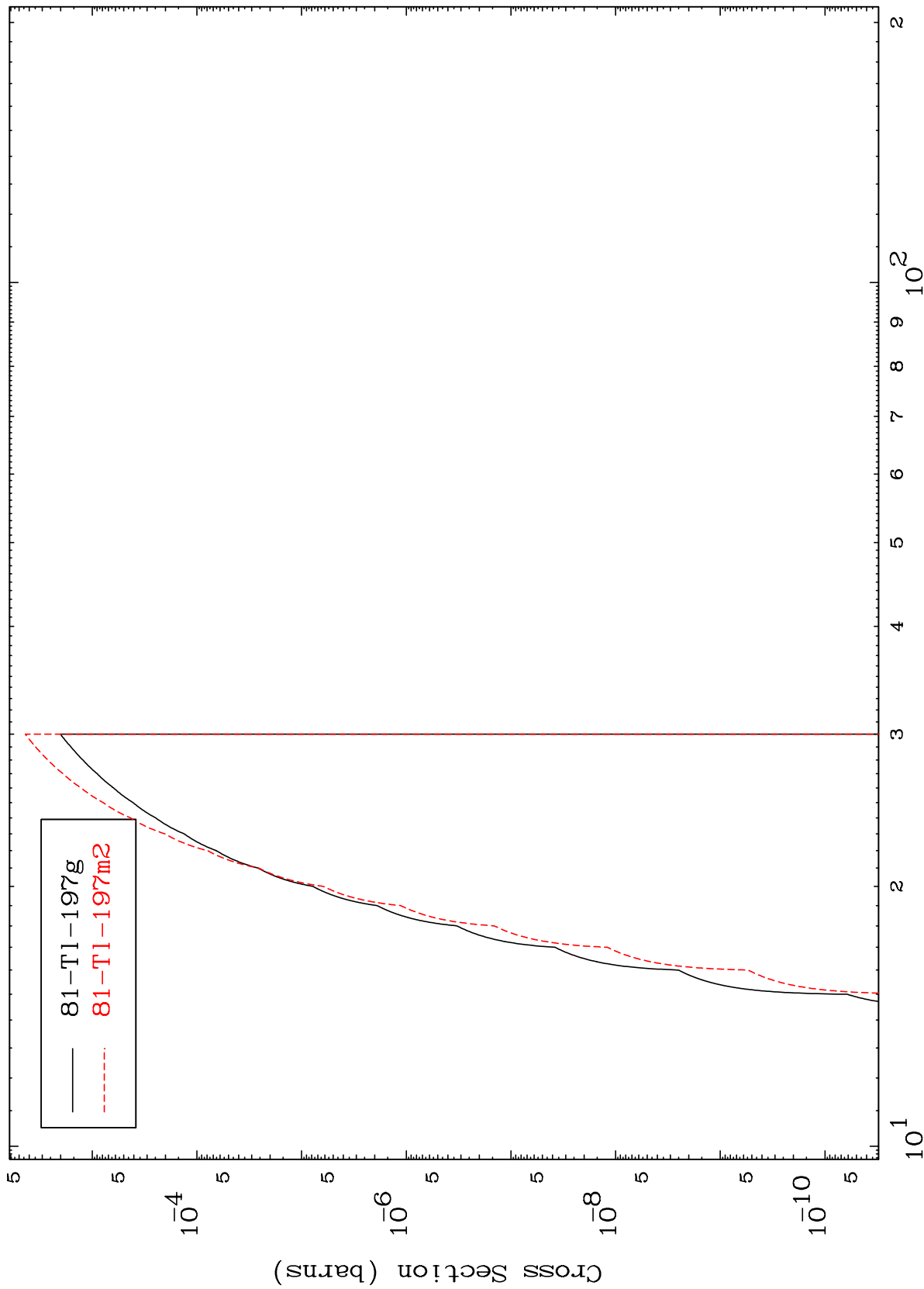
82-Pb-199

MAT 8210

(n,n') d

82-Pb-199

Radionuclide Production Cross Section



Incident Energy (MeV)

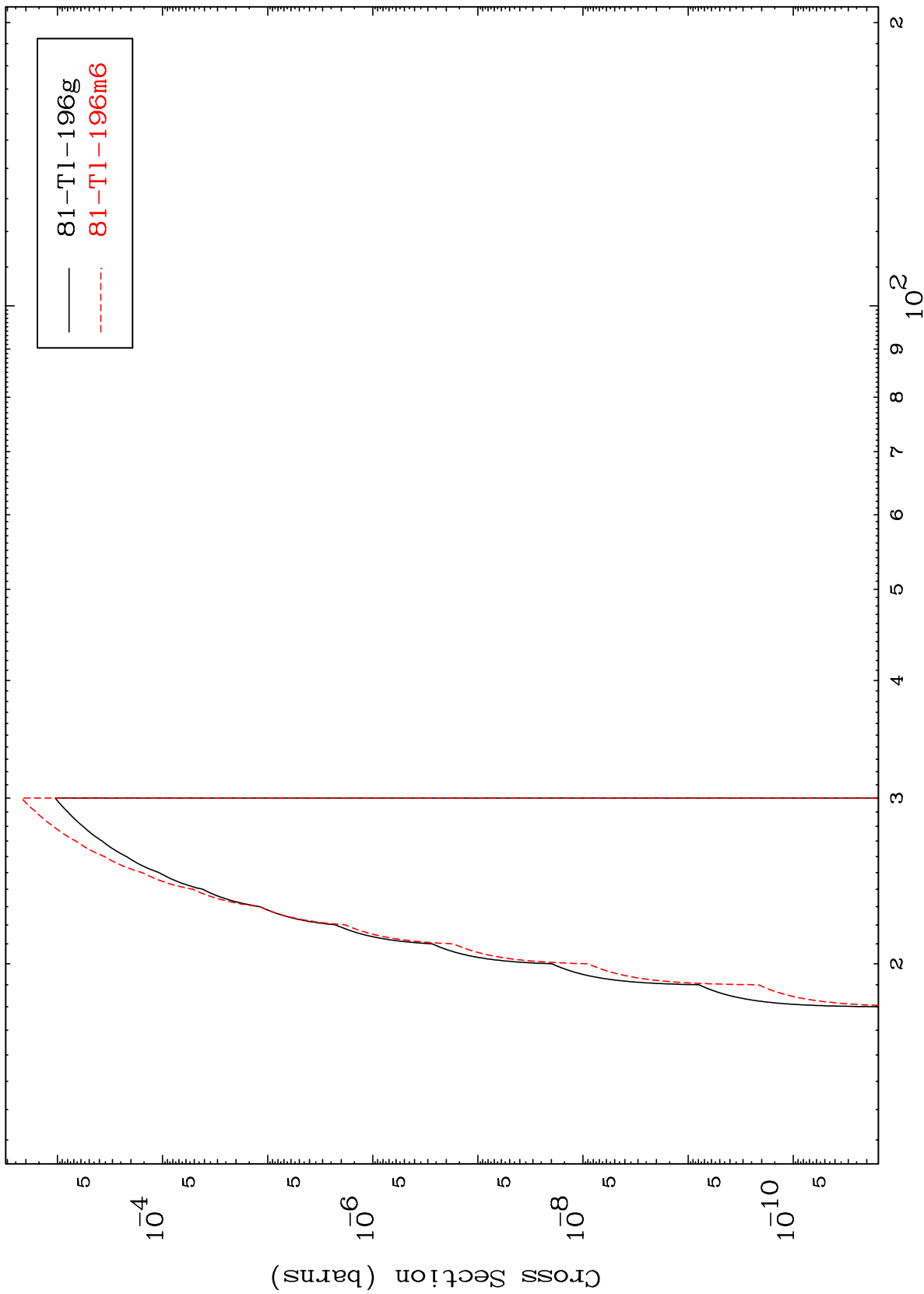
82-Pb-199

MAT 8210

(n,n') t

82-Pb-199

Radionuclide Production Cross Section

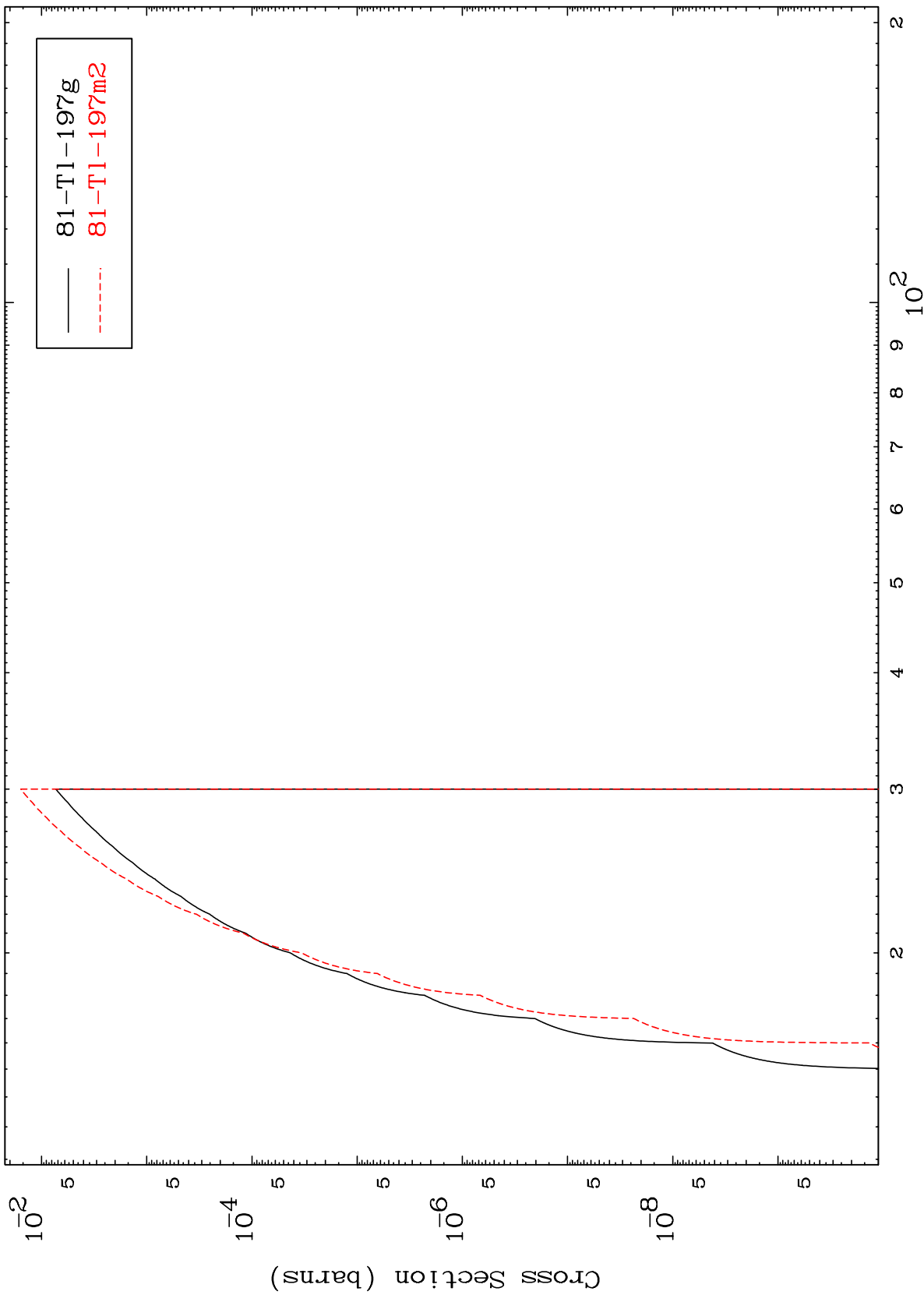


141

Incident Energy (MeV)

82-Pb-199

Radionuclide Production Cross Section



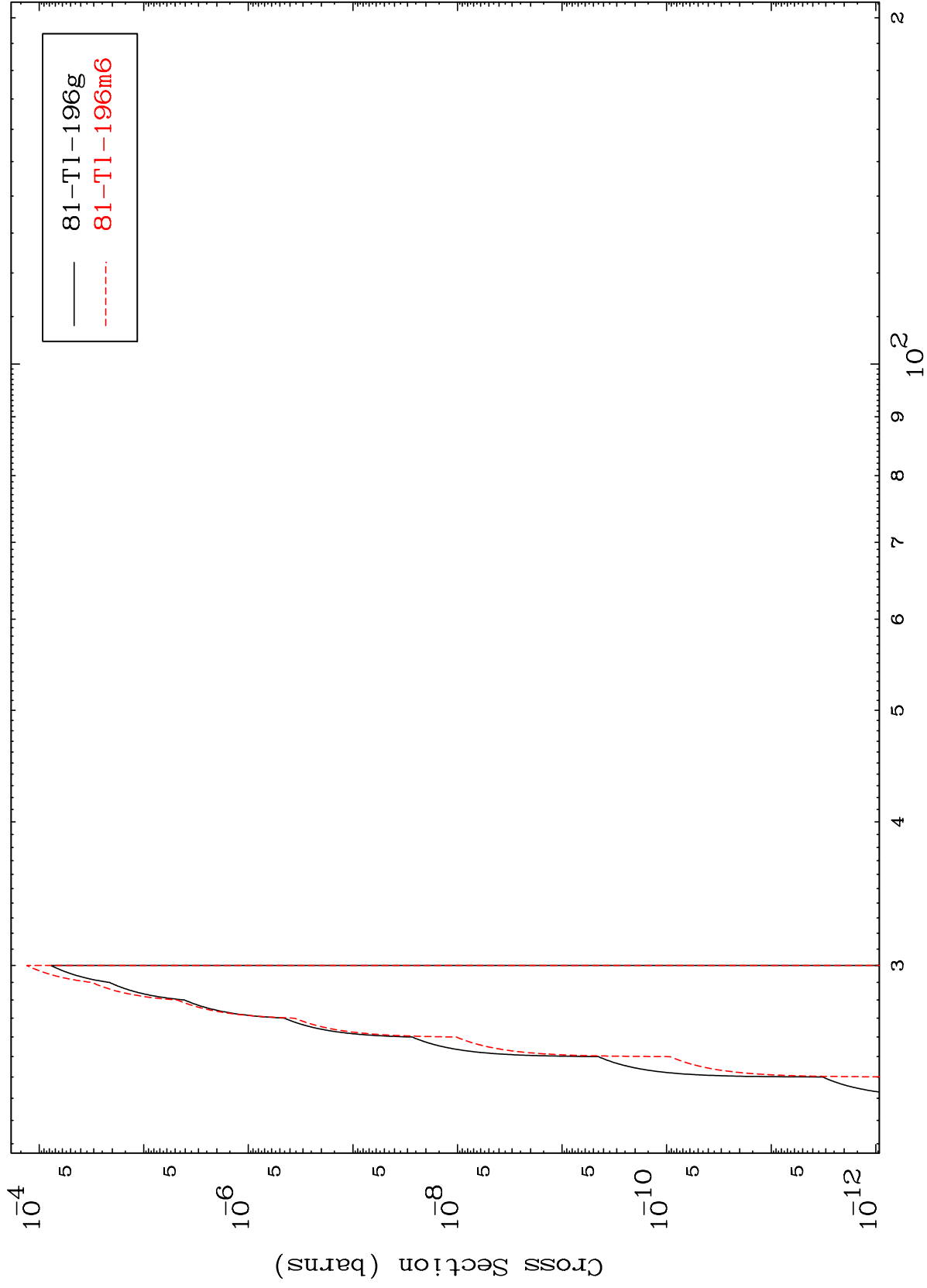
81-Tl-197g
81-Tl-197m2

MAT 8210

(n,3n) p

82-Pb-199

Radionuclide Production Cross Section



143

Incident Energy (MeV)

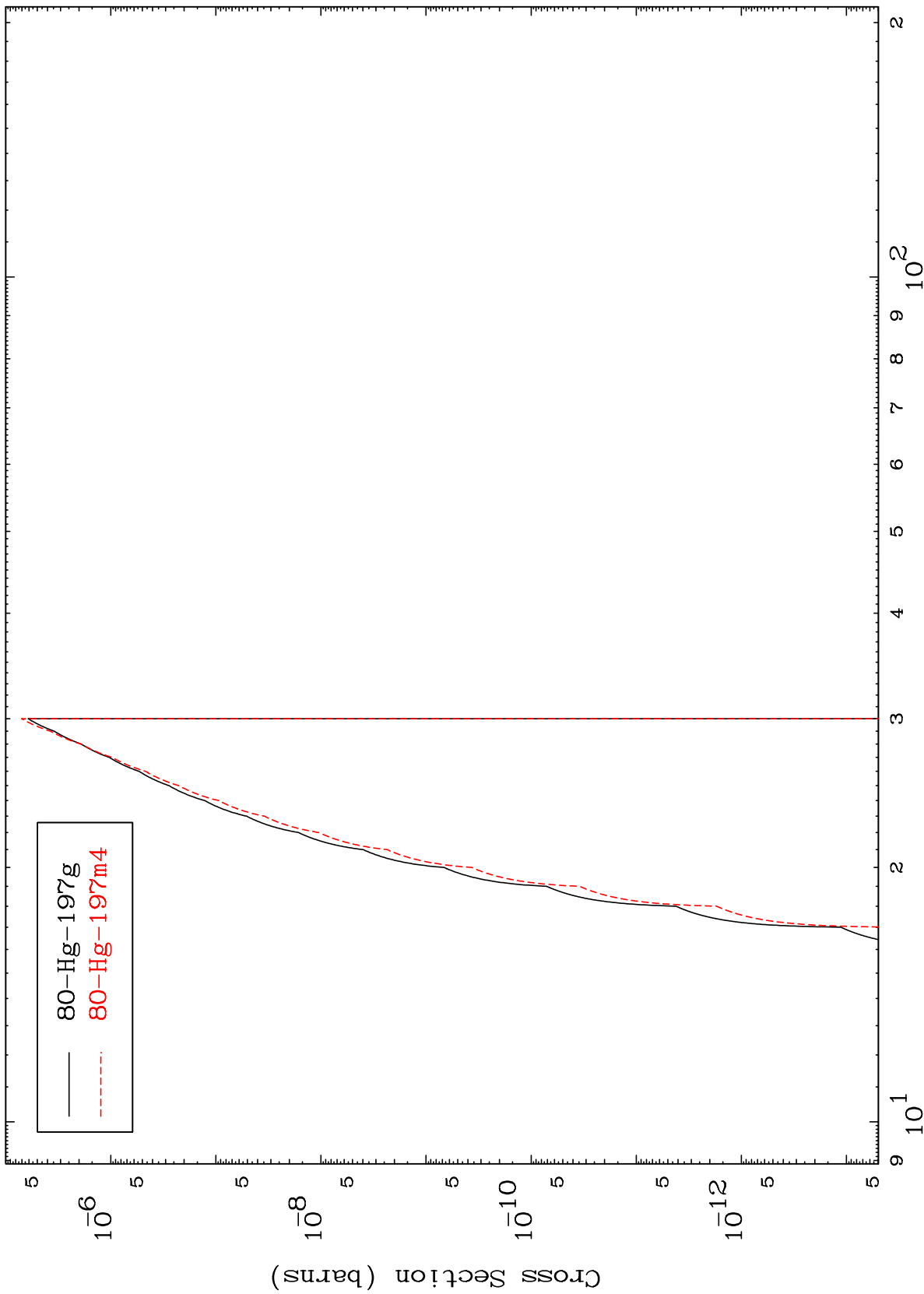
82-Pb-199

MAT 8210

(n,2n) p

82-Pb-199

Radionuclide Production Cross Section



80-Hg-197g
80-Hg-197m4

Incident Energy (MeV)

82-Pb-199

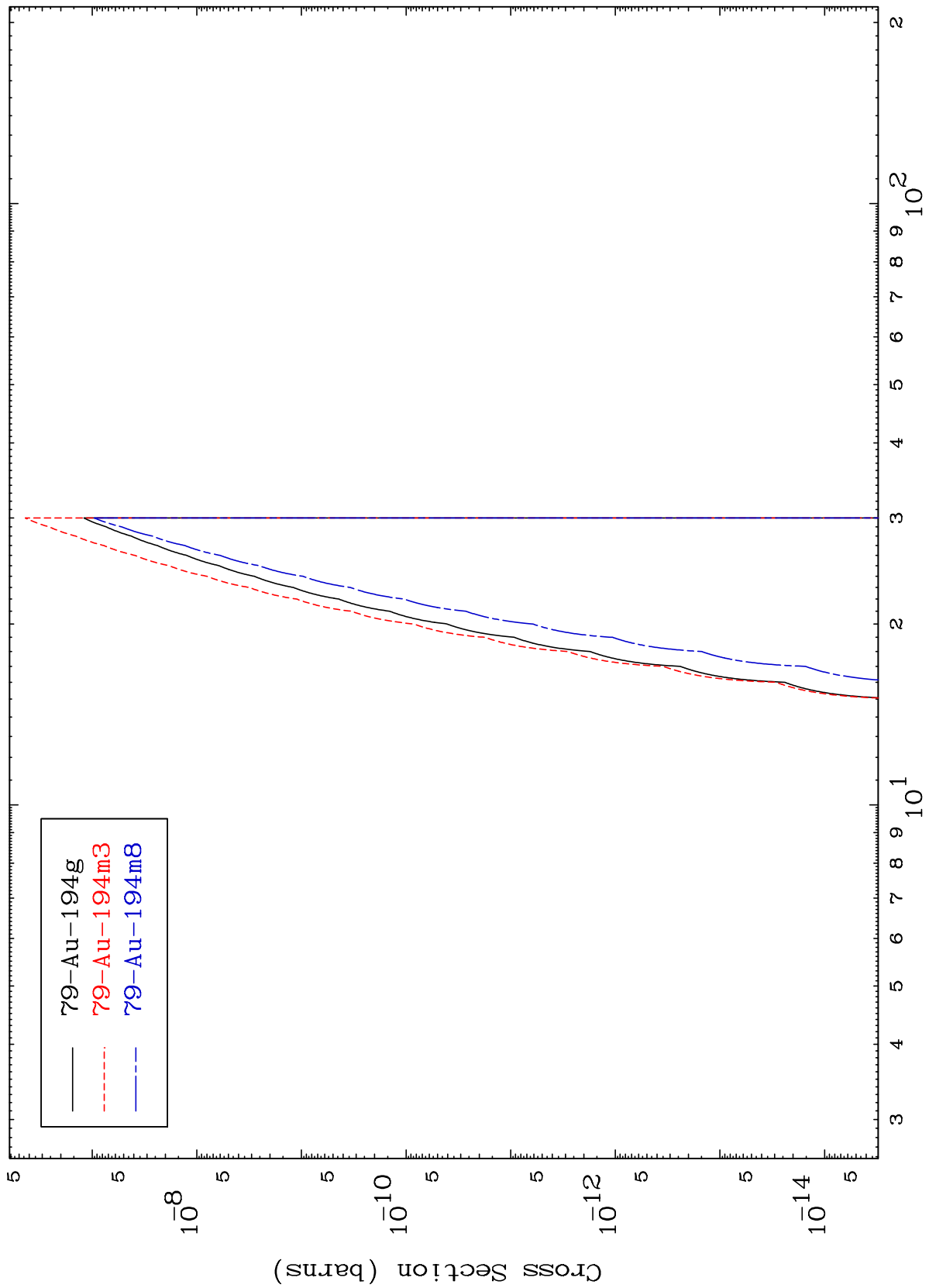
144

MAT 8210

(n,n') p α

82-Pb-199

Radionuclide Production Cross Section



145

Incident Energy (MeV)

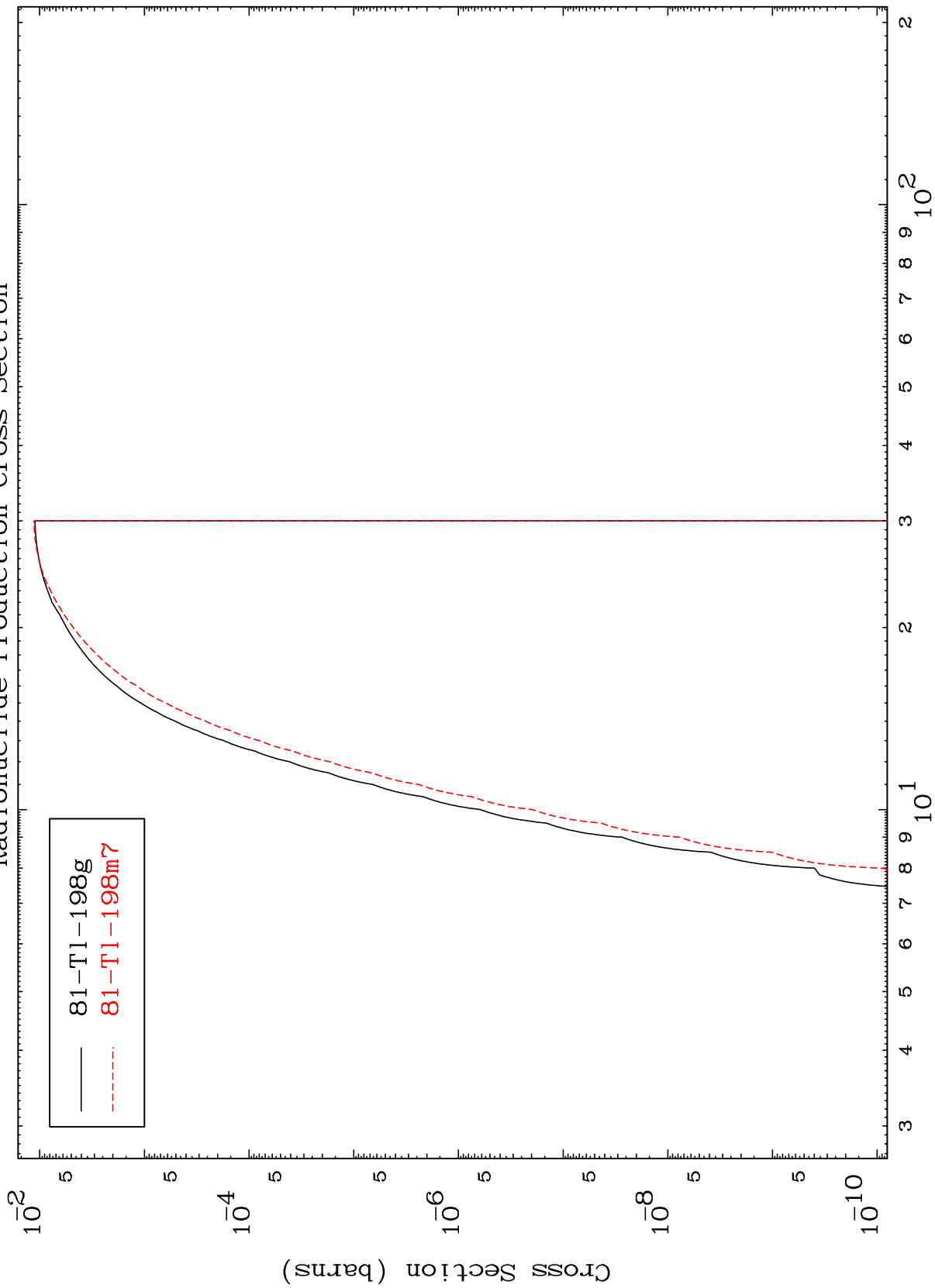
82-Pb-199

MAT 8210

(n,d)

82-Pb-199

Radionuclide Production Cross Section

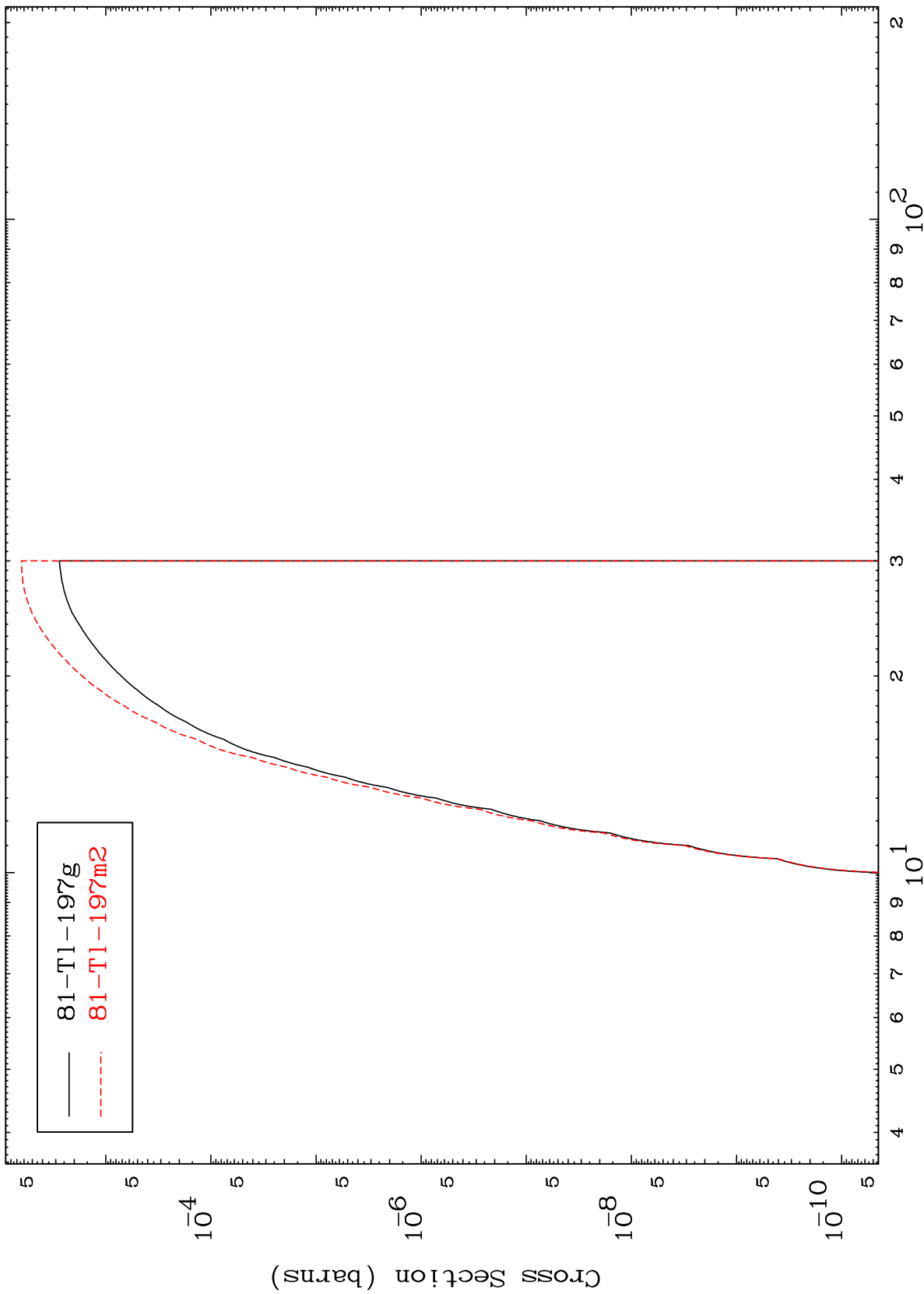


81-Tl-198g
81-Tl-198m7

MAT 8210

82-Pb-199

(n, t)
Radionuclide Production Cross Section



147

Incident Energy (MeV)

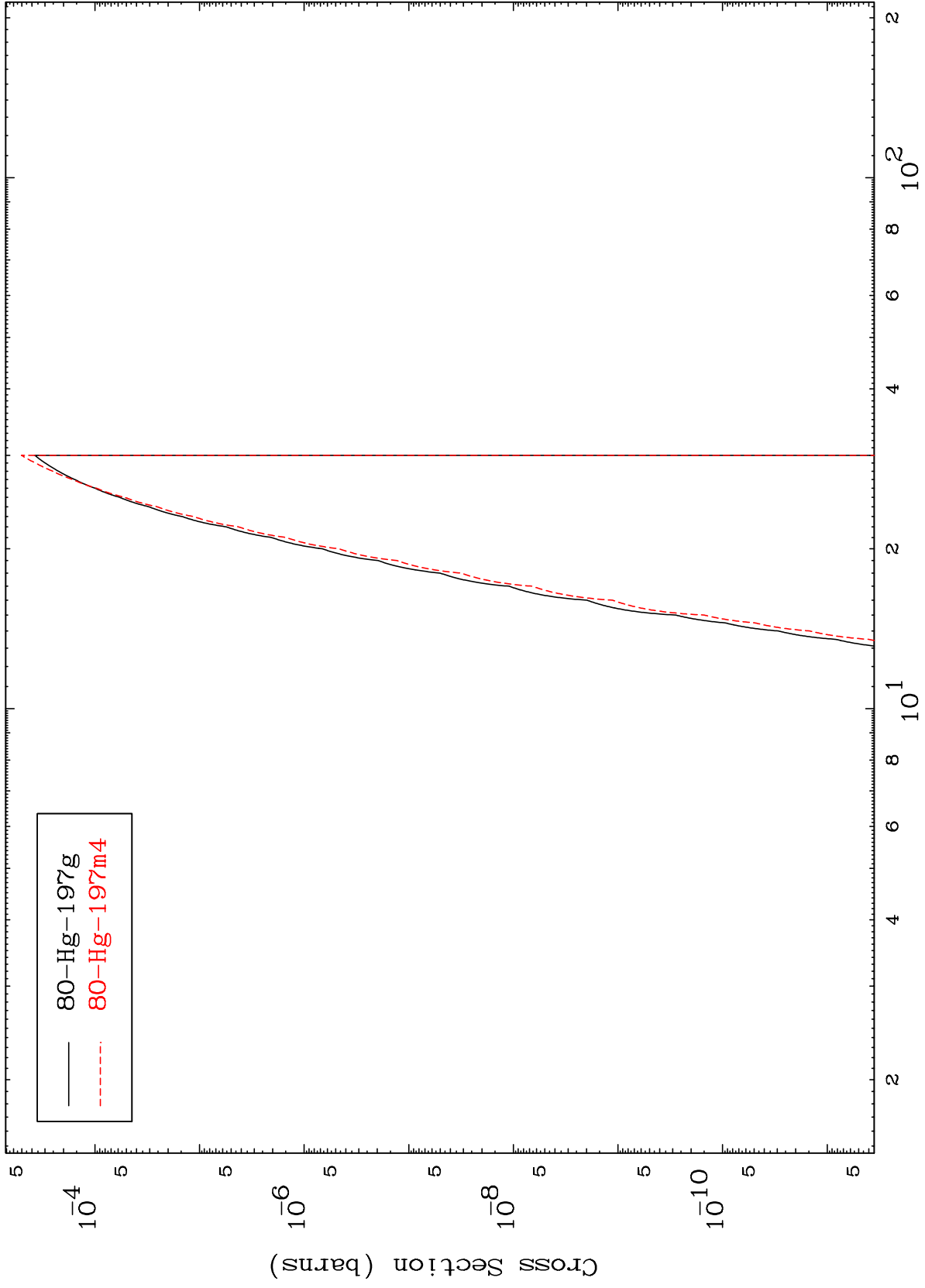
82-Pb-199

MAT 8210

(n,He-3)

82-Pb-199

Radionuclide Production Cross Section



80-Hg-197g
80-Hg-197m4

148

Incident Energy (MeV)

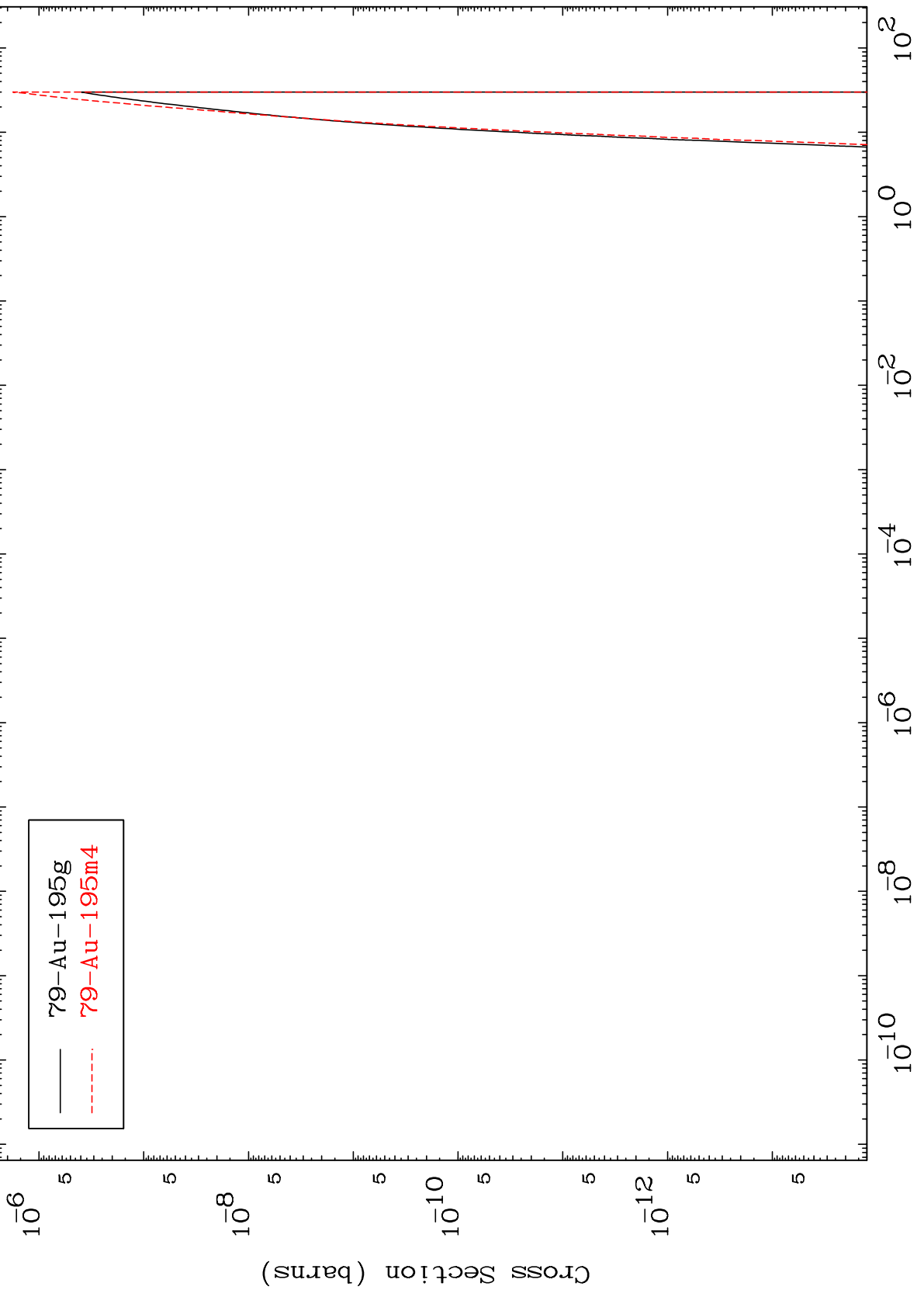
82-Pb-199

MAT 8210

(n,p) α

82-Pb-199

Radionuclide Production Cross Section



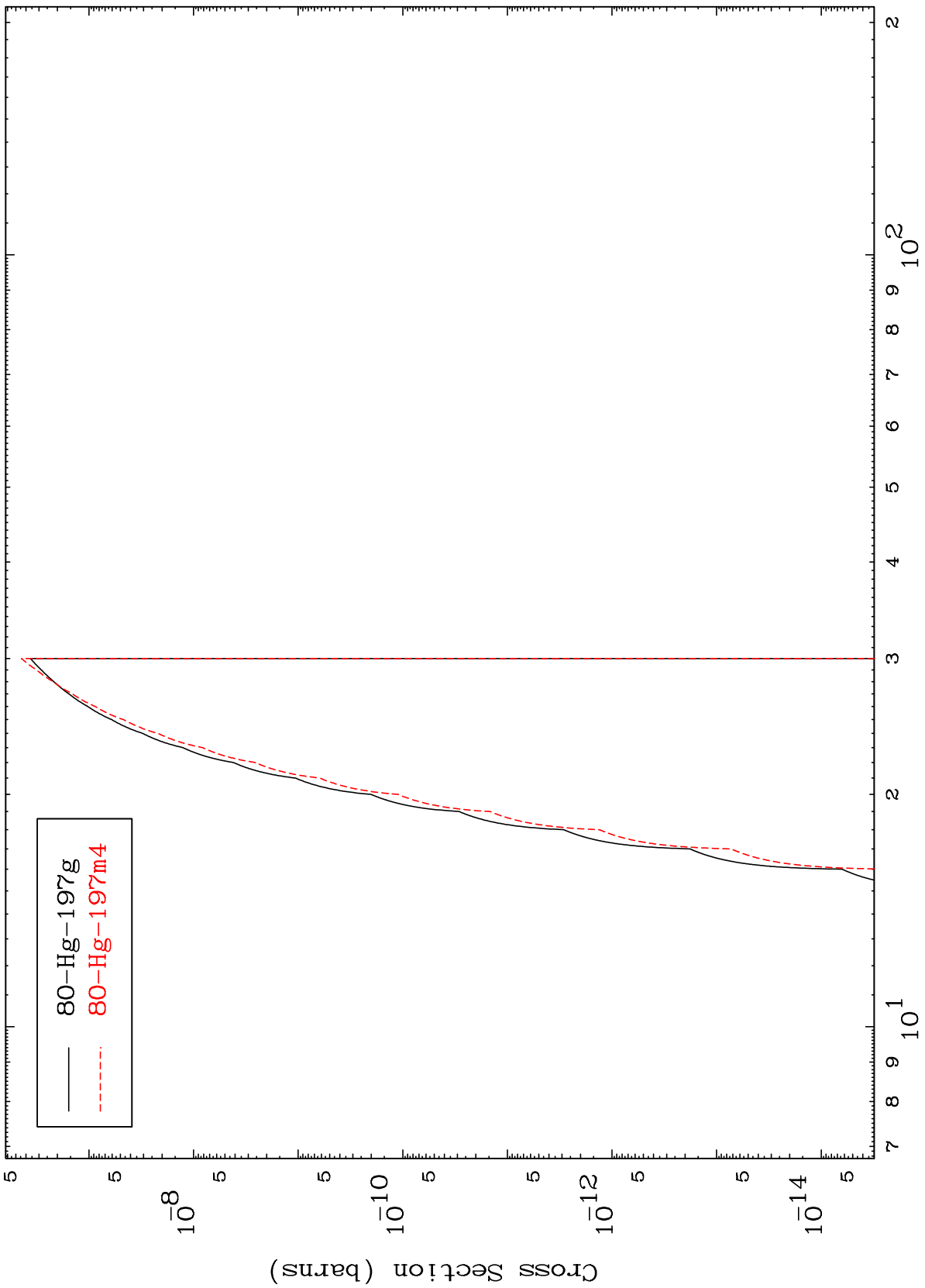
79-Au-195g
79-Au-195m4

MAT 8210

(n,p) d

82-Pb-199

Radionuclide Production Cross Section



150

Incident Energy (MeV)

82-Pb-199

