

Program EVALPLOT
(Version 2017-1)

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

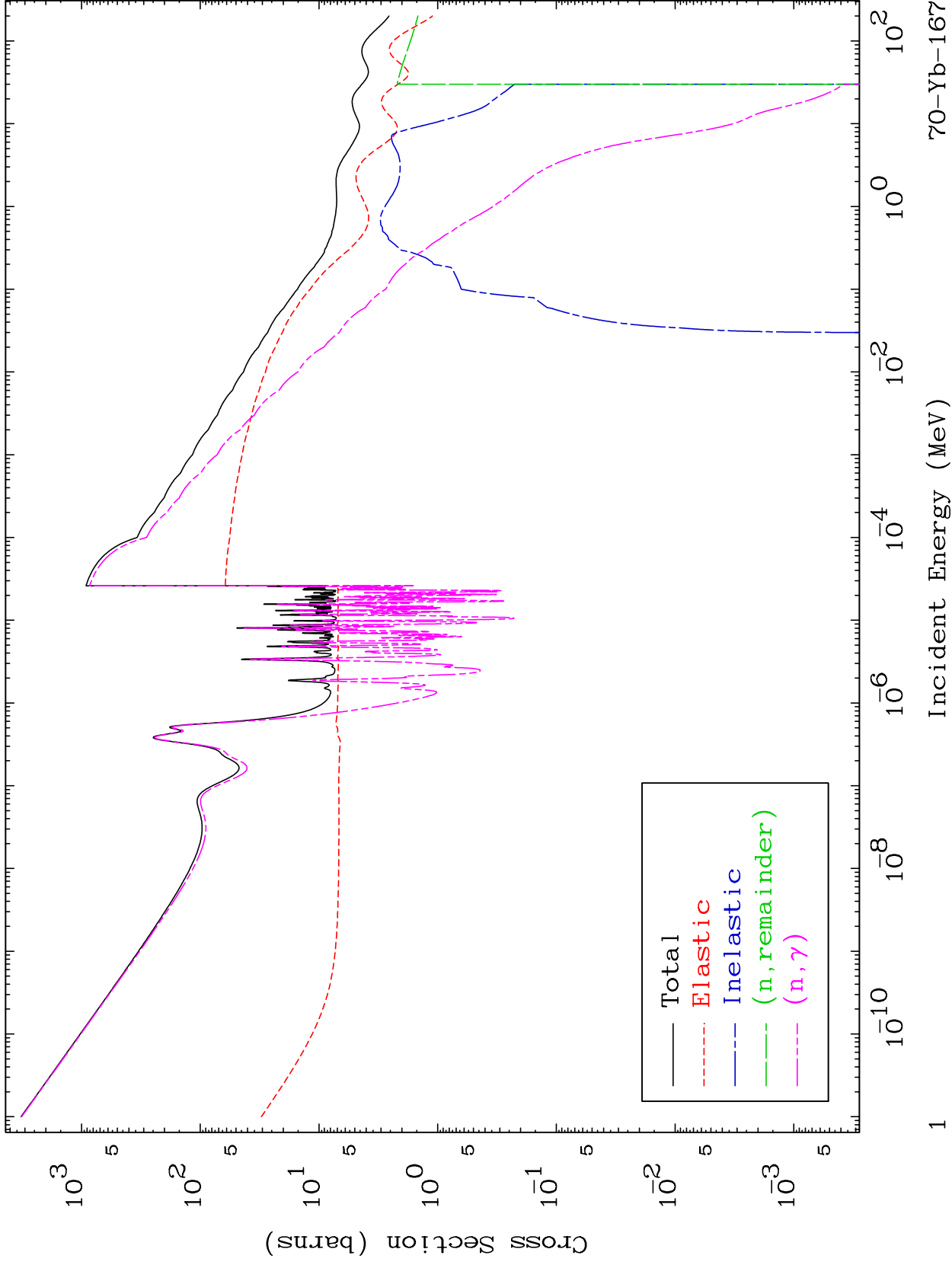
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7022

Major
293 Kelvin Cross Sections

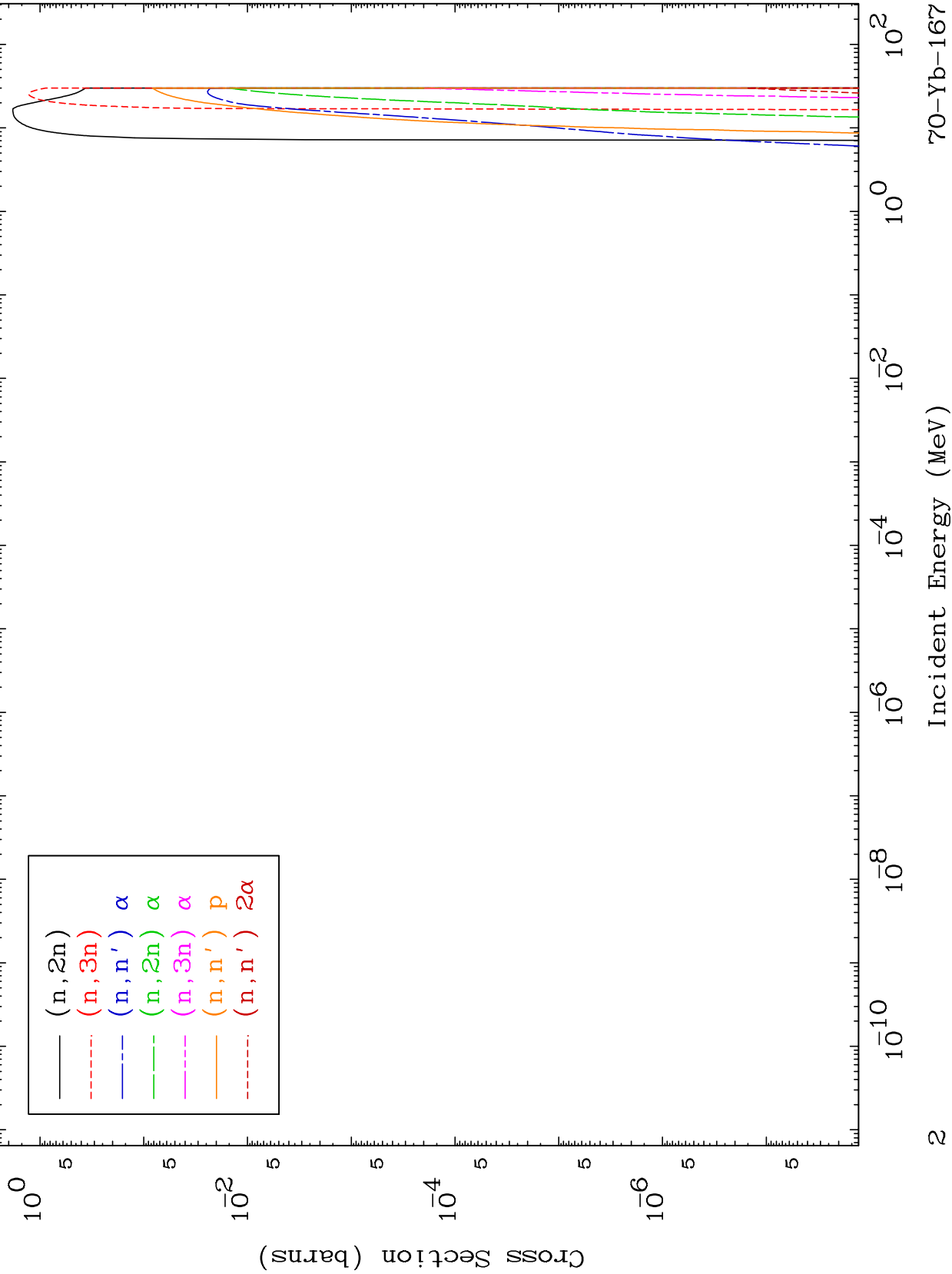
70-Yb-167

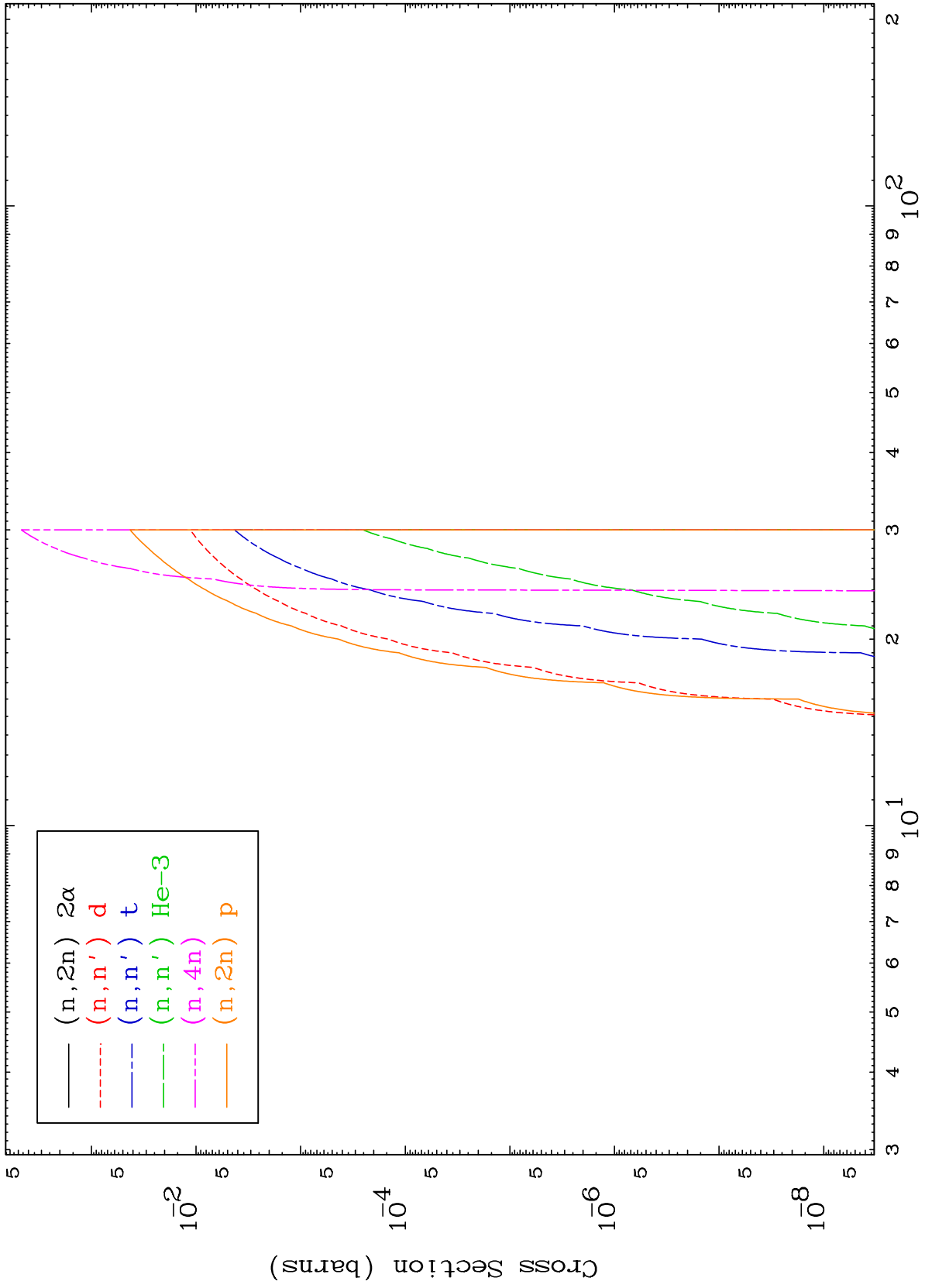


MAT 7022

Neutron Production
293 Kelvin Cross Sections

70-Yb-167

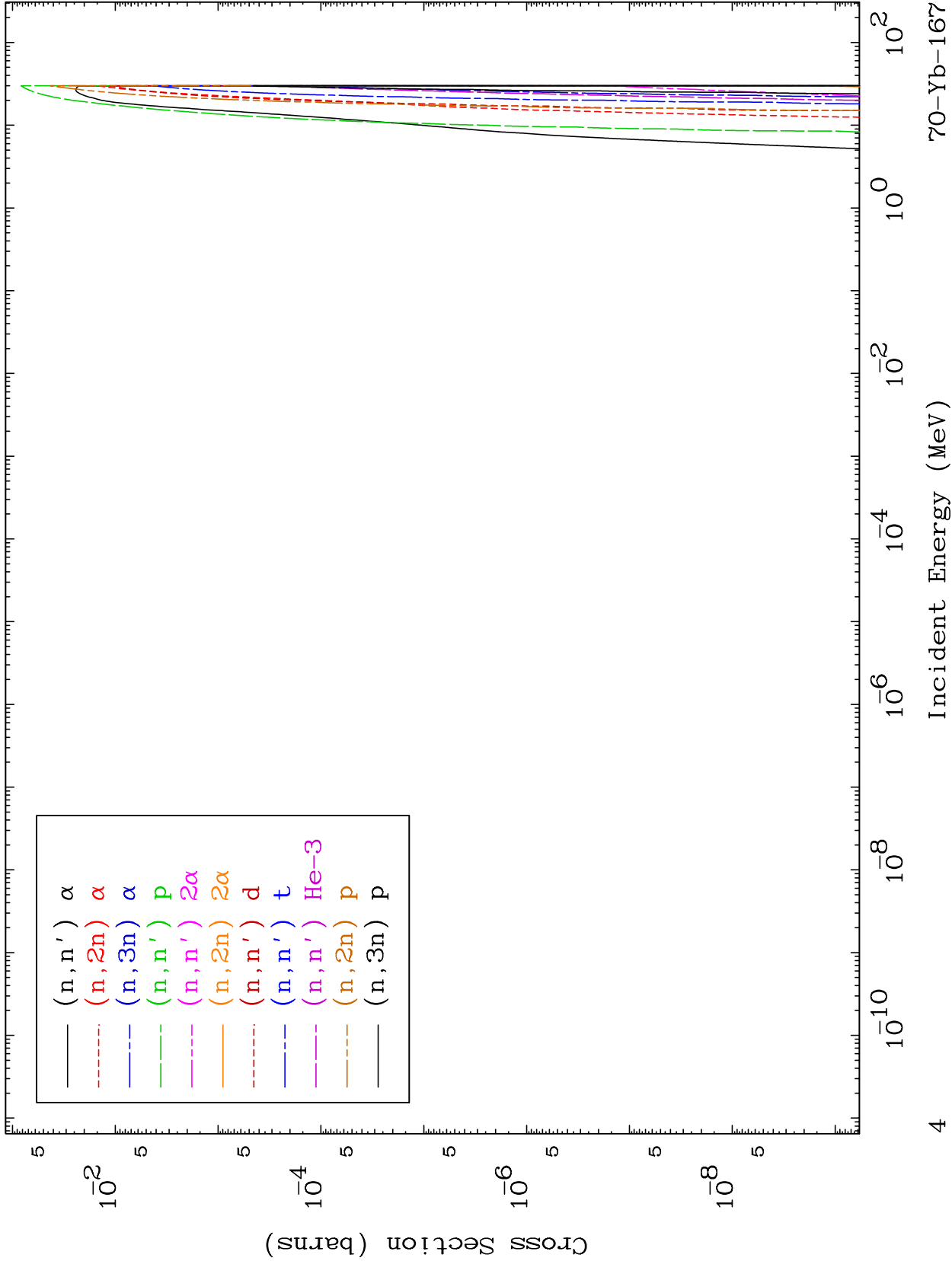




MAT 7022

Charged Particle
293 Kelvin Cross Sections

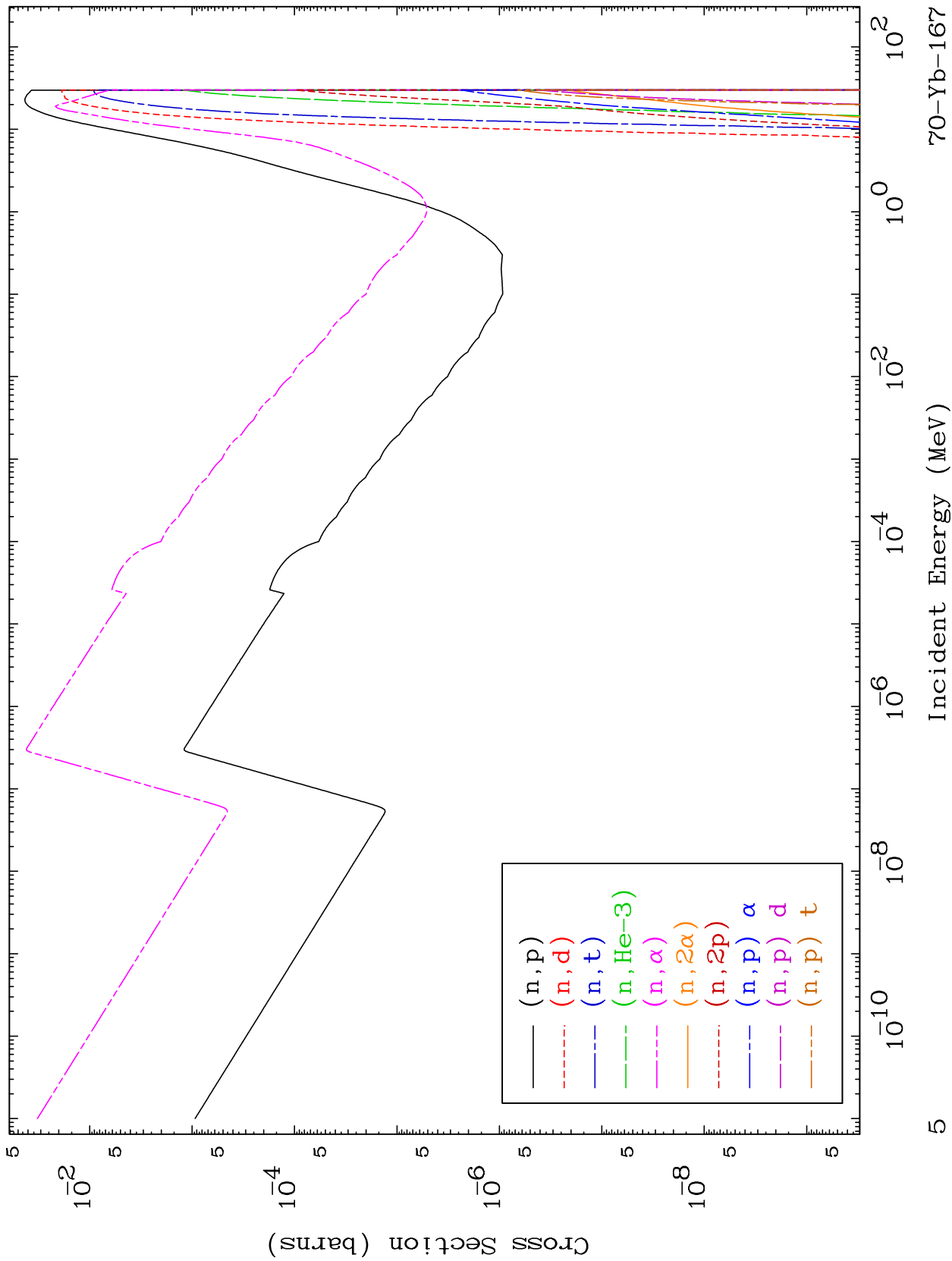
70-Yb-167

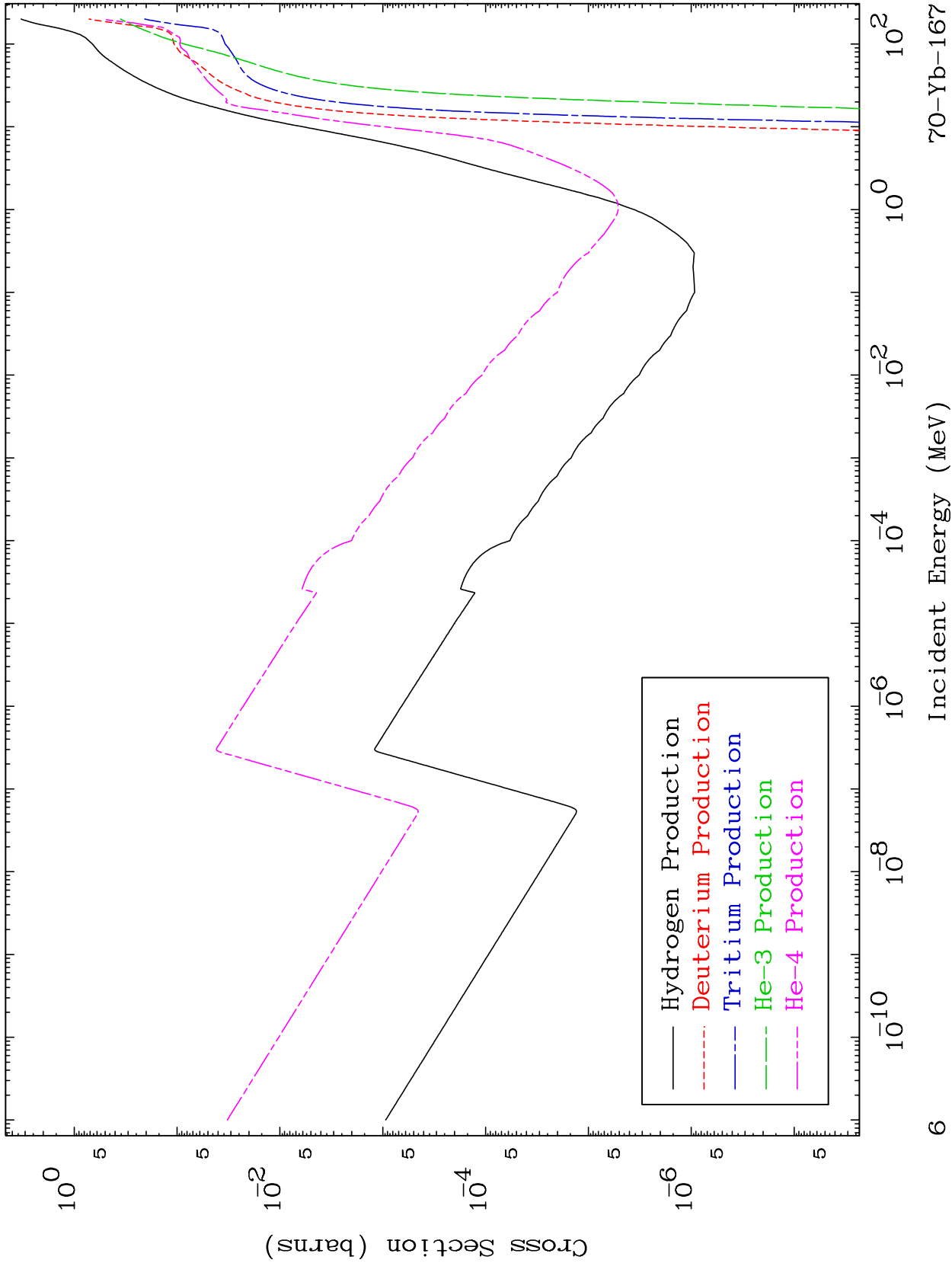


MAT 7022

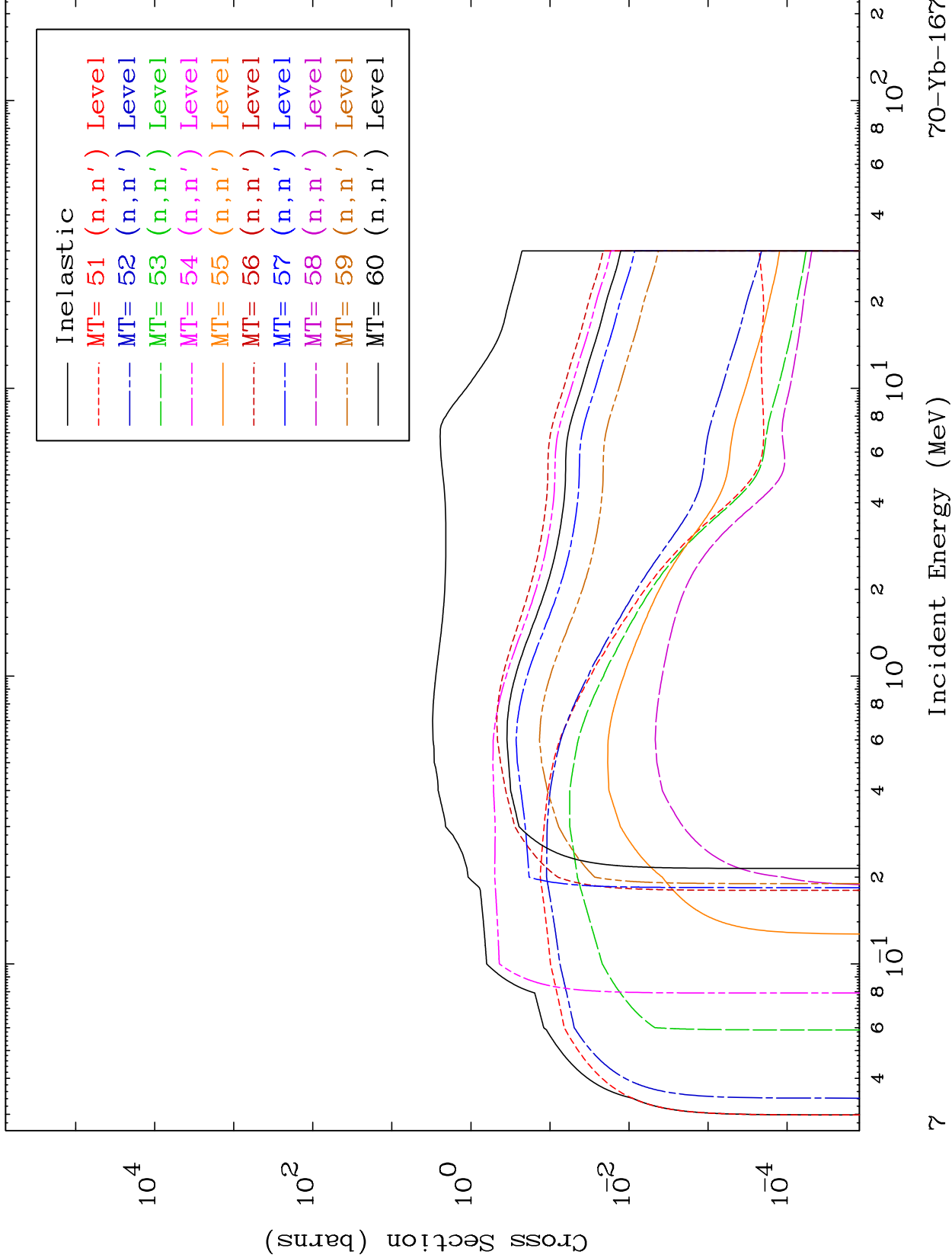
Charged Particle
293 Kelvin Cross Sections

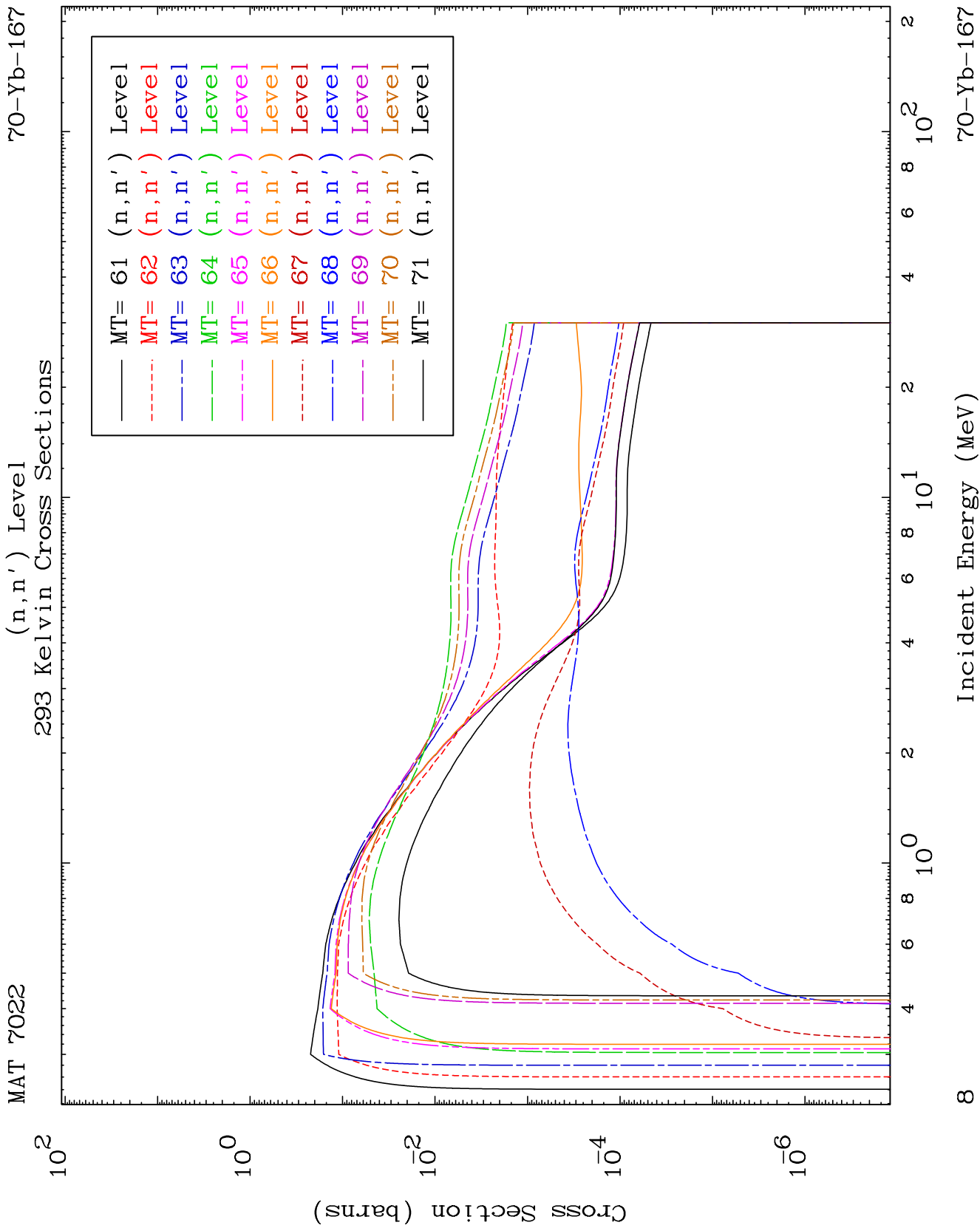
70-Yb-167



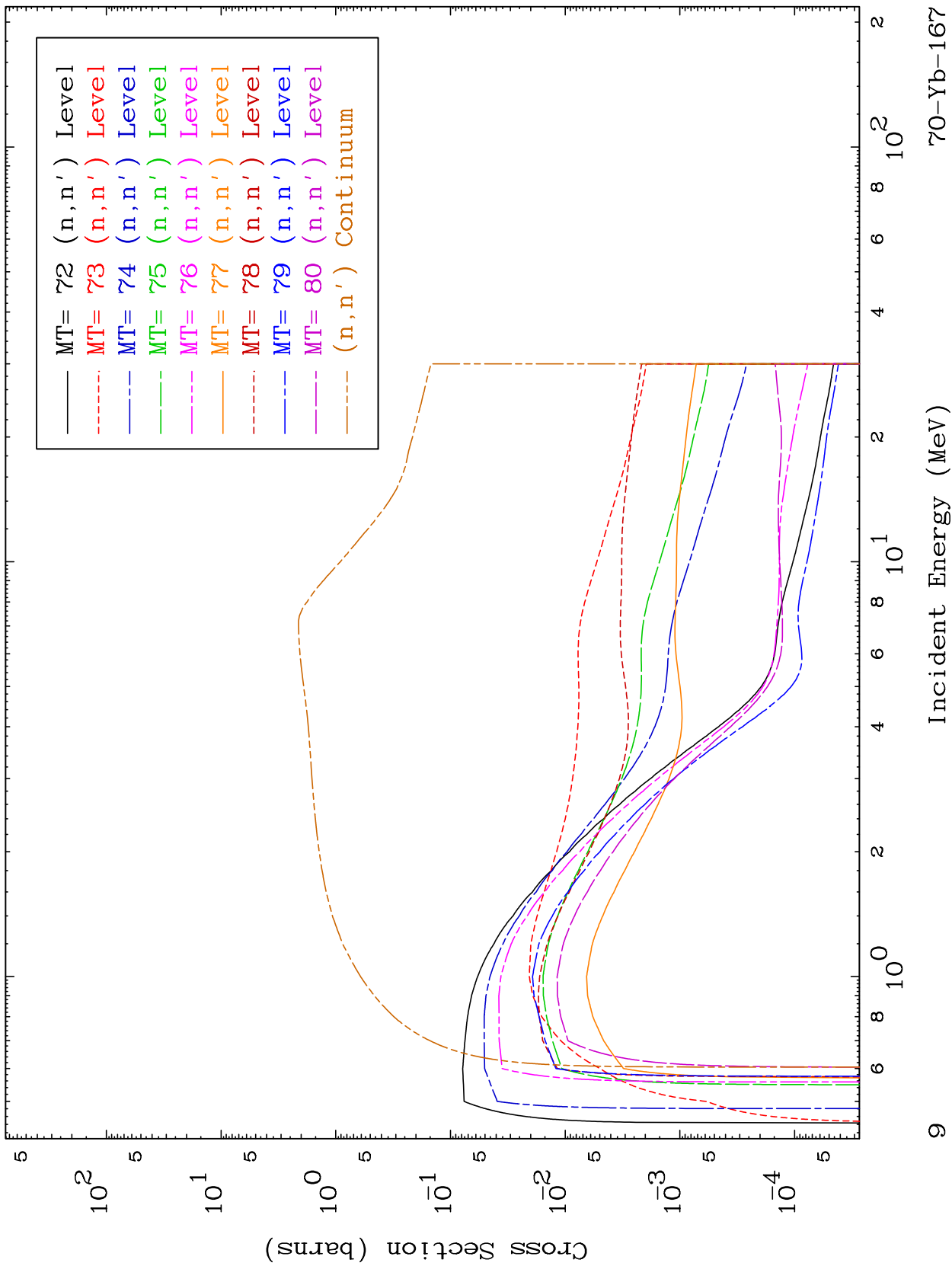


293 Kelvin Cross Sections





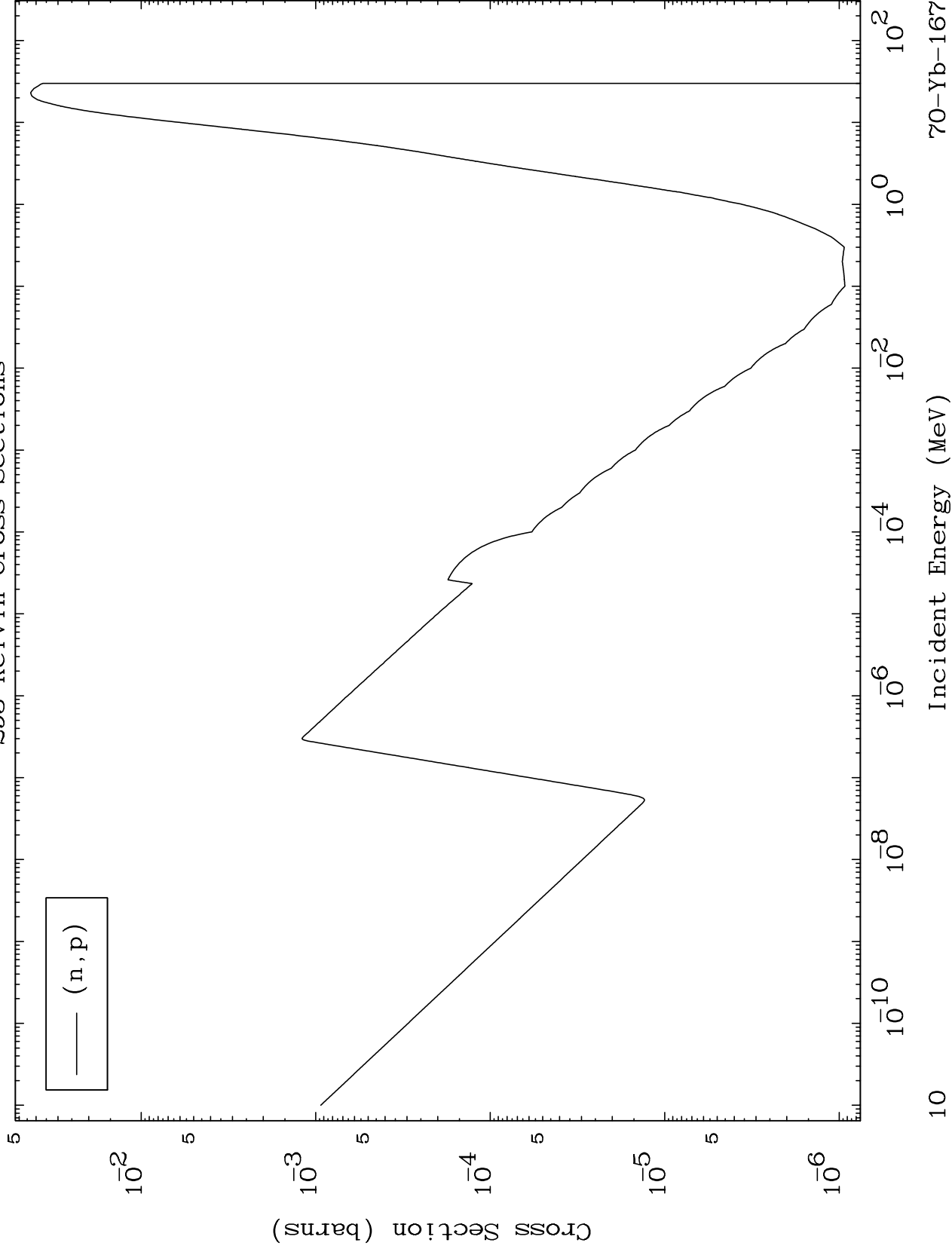
293 Kelvin Cross Sections



MAT 7022

(n,p) Levels
293 Kelvin Cross Sections

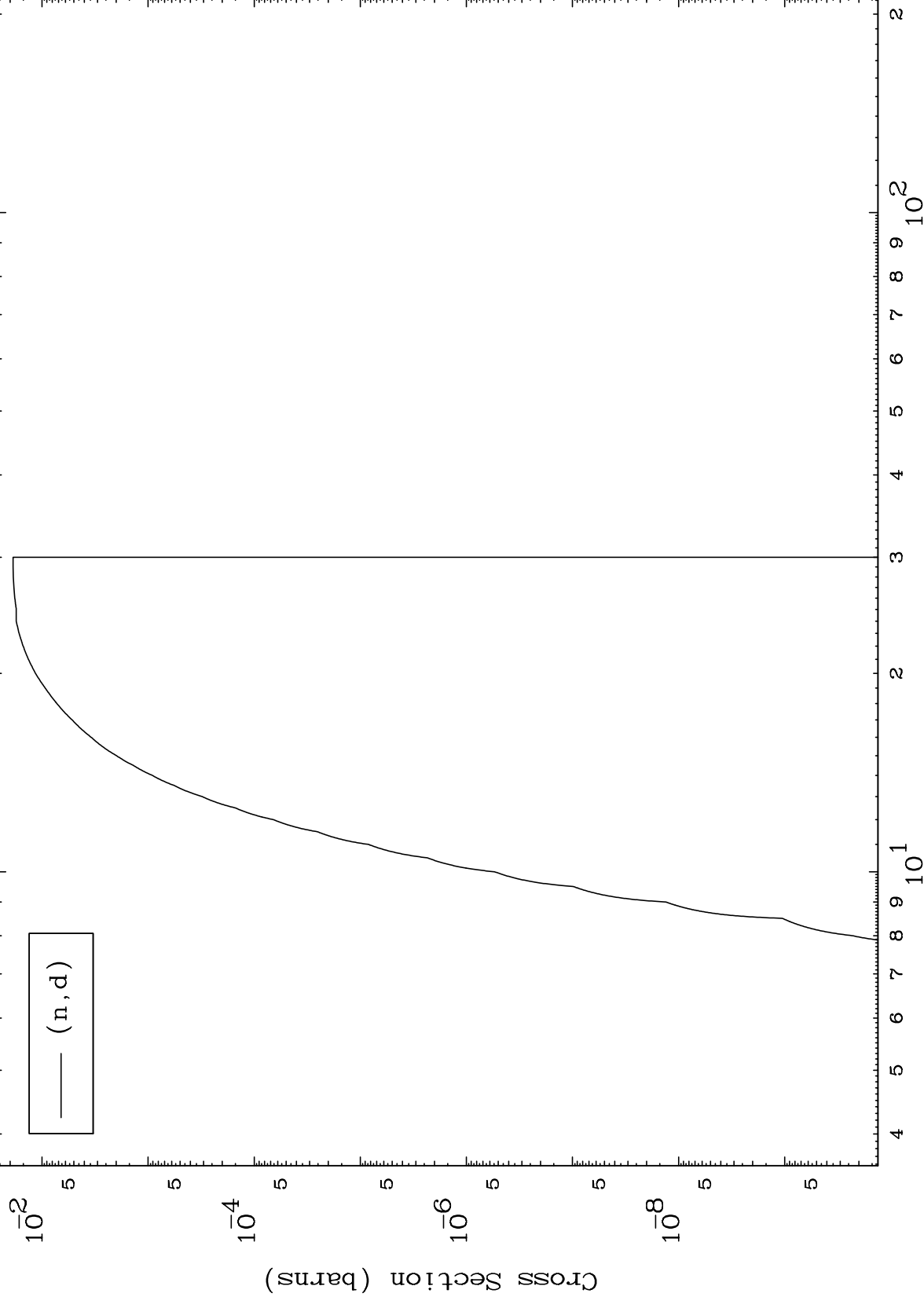
70-Yb-167



MAT 7022

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-167



Incident Energy (MeV)

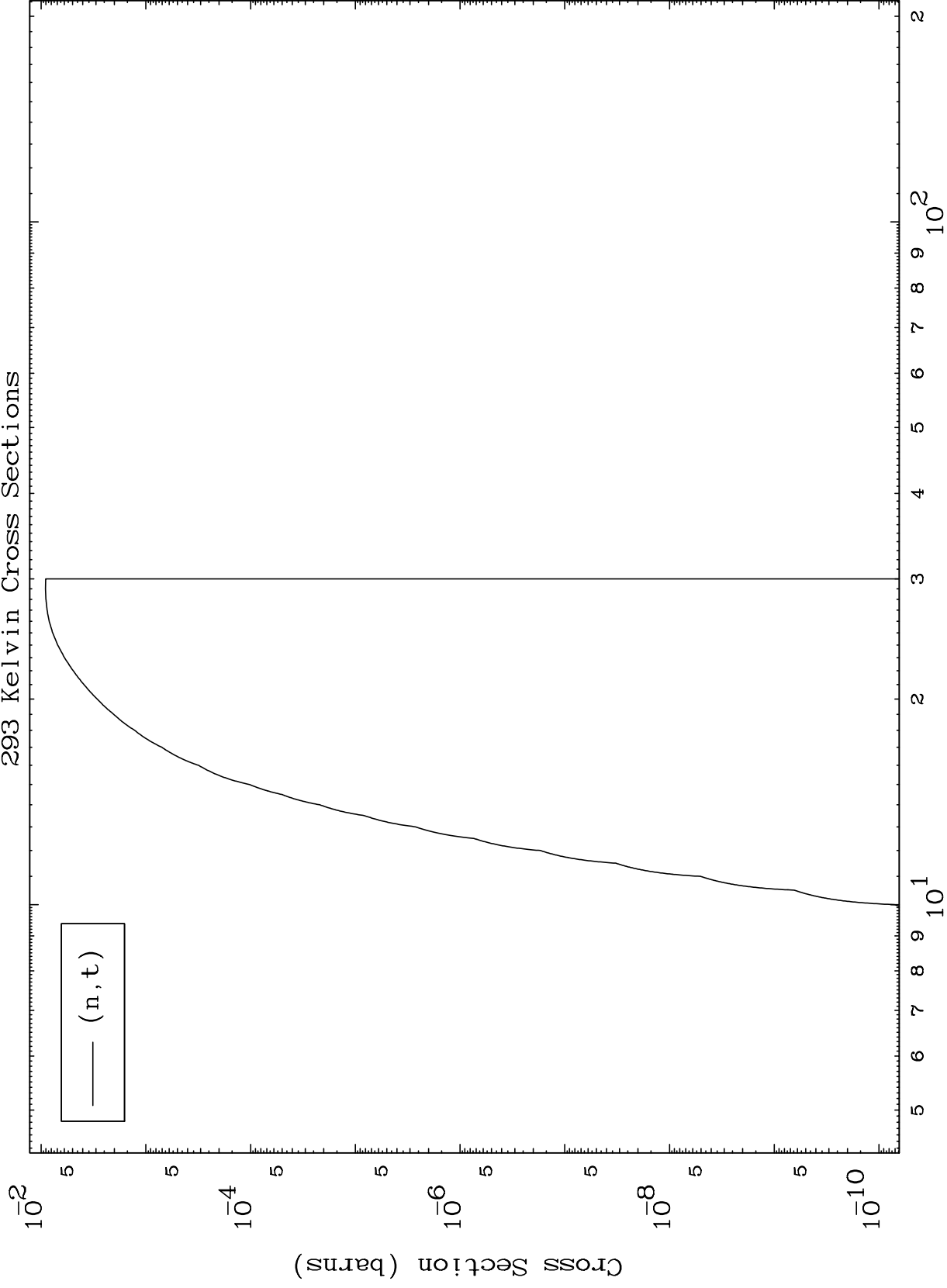
70-Yb-167

11

MAT 7022

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-167



12

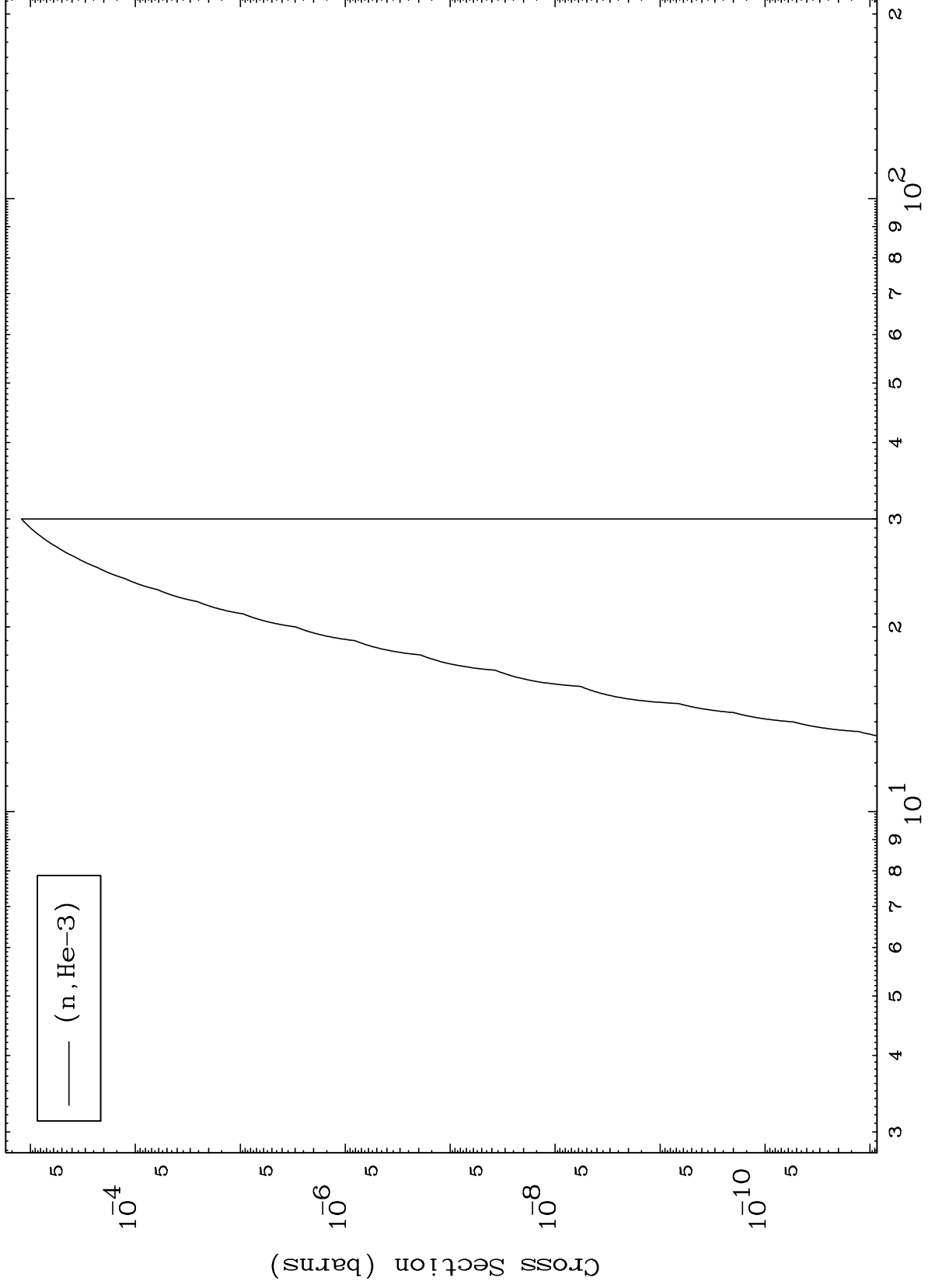
Incident Energy (MeV)

70-Yb-167

MAT 7022

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-167



13

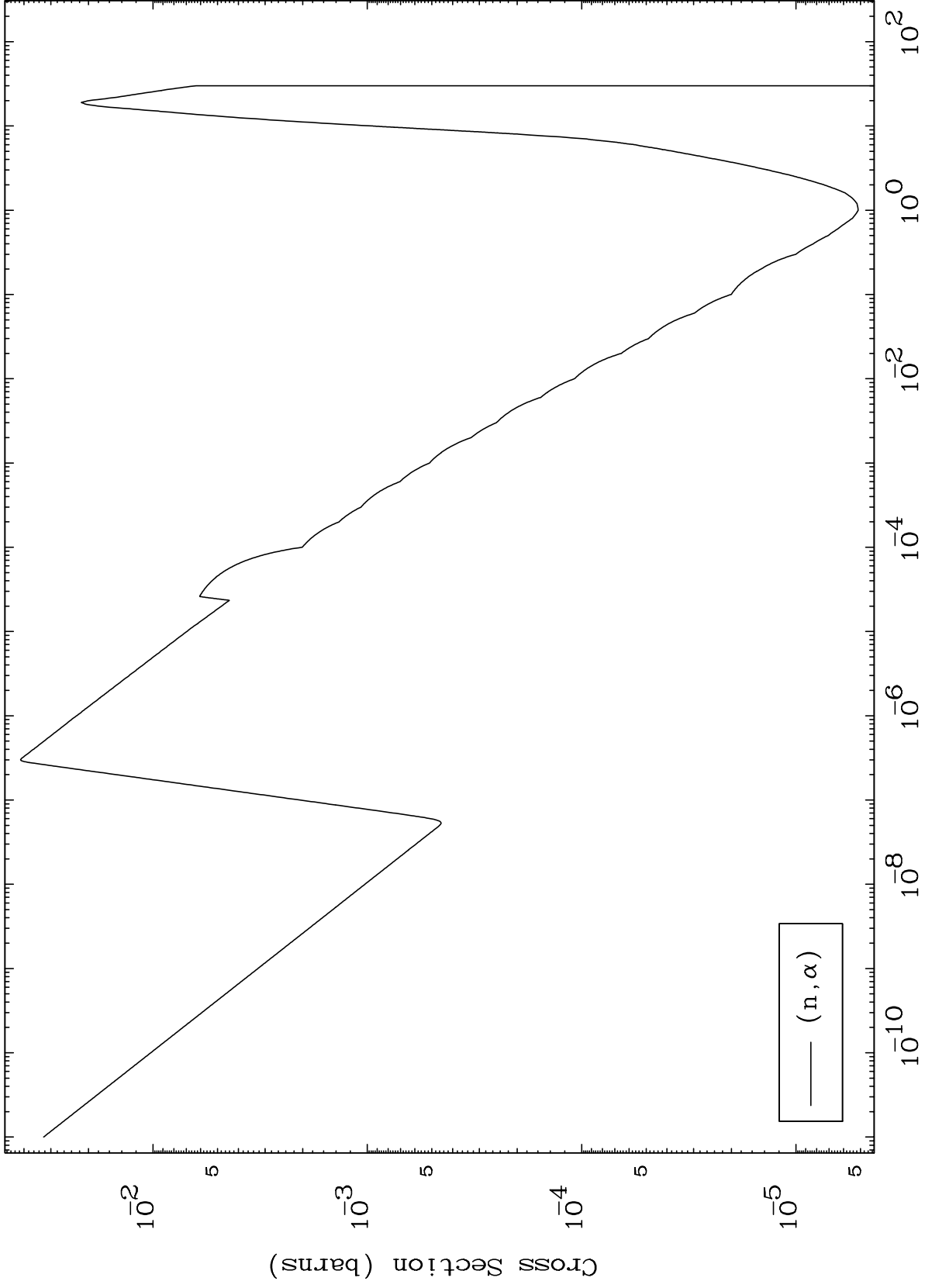
Incident Energy (MeV)

70-Yb-167

MAT 7022

(n, α) Levels
293 Kelvin Cross Sections

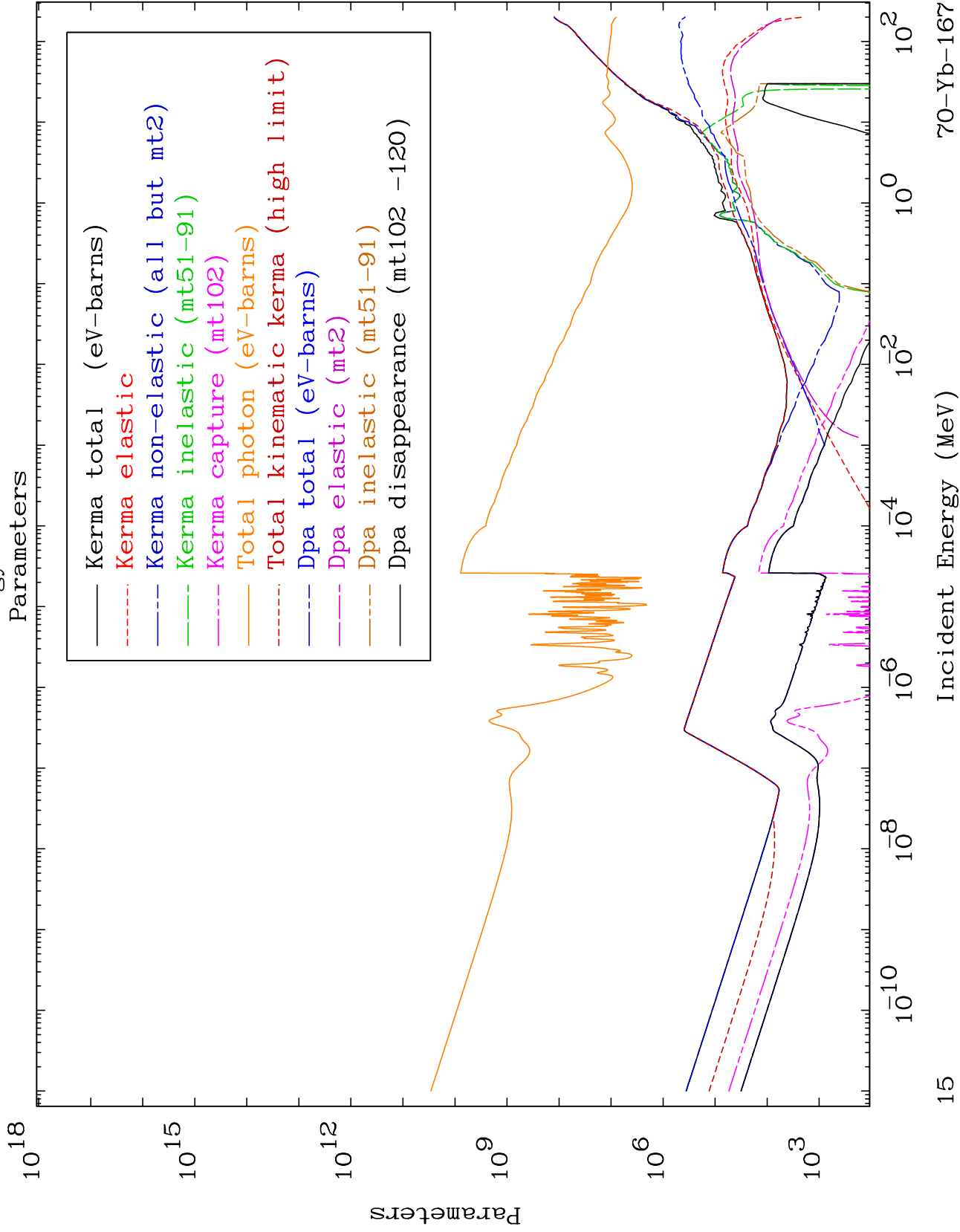
70-Yb-167

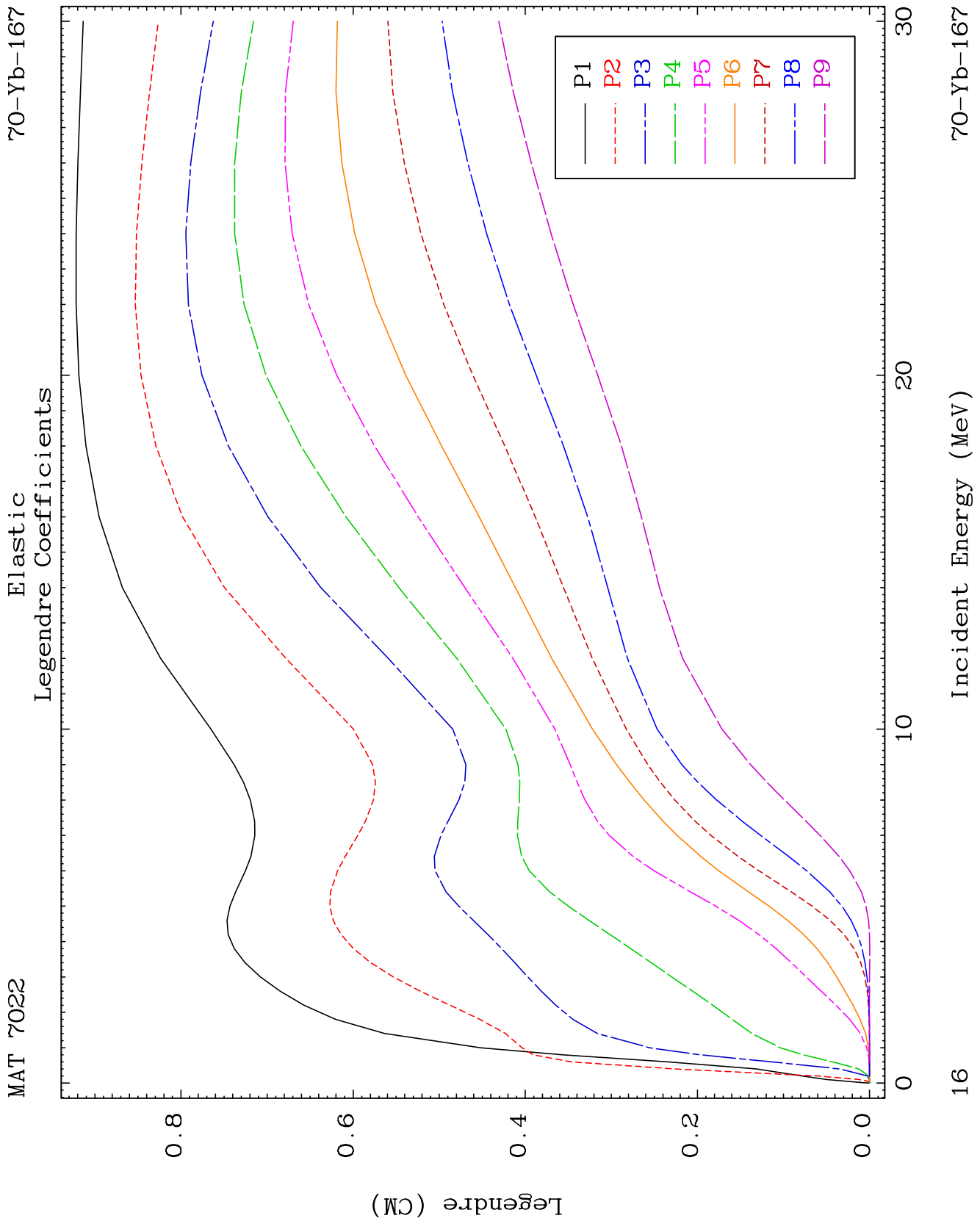


14

Incident Energy (MeV)

70-Yb-167

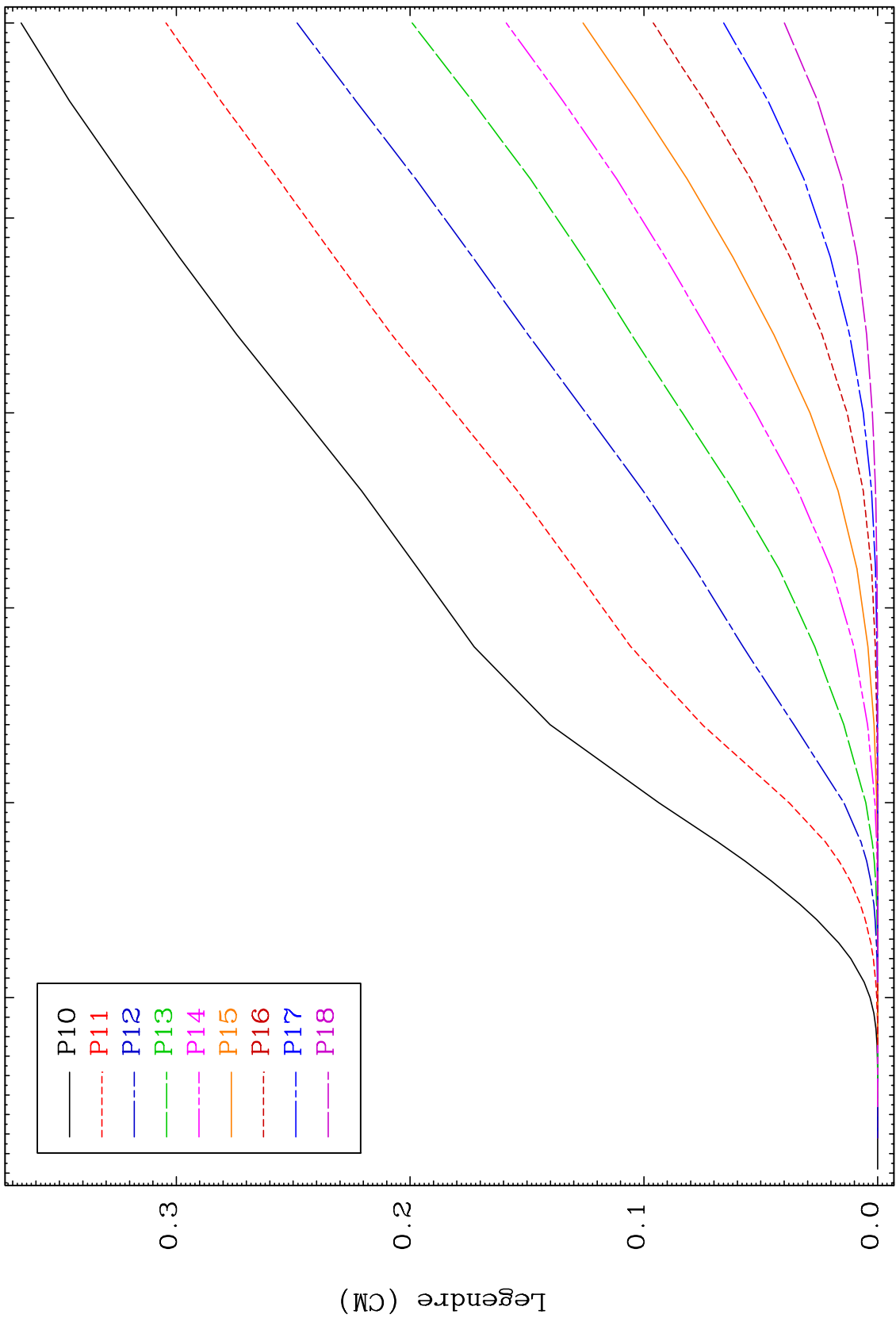




MAT 7022

Elastic Legendre Coefficients

70-Yb-167



17

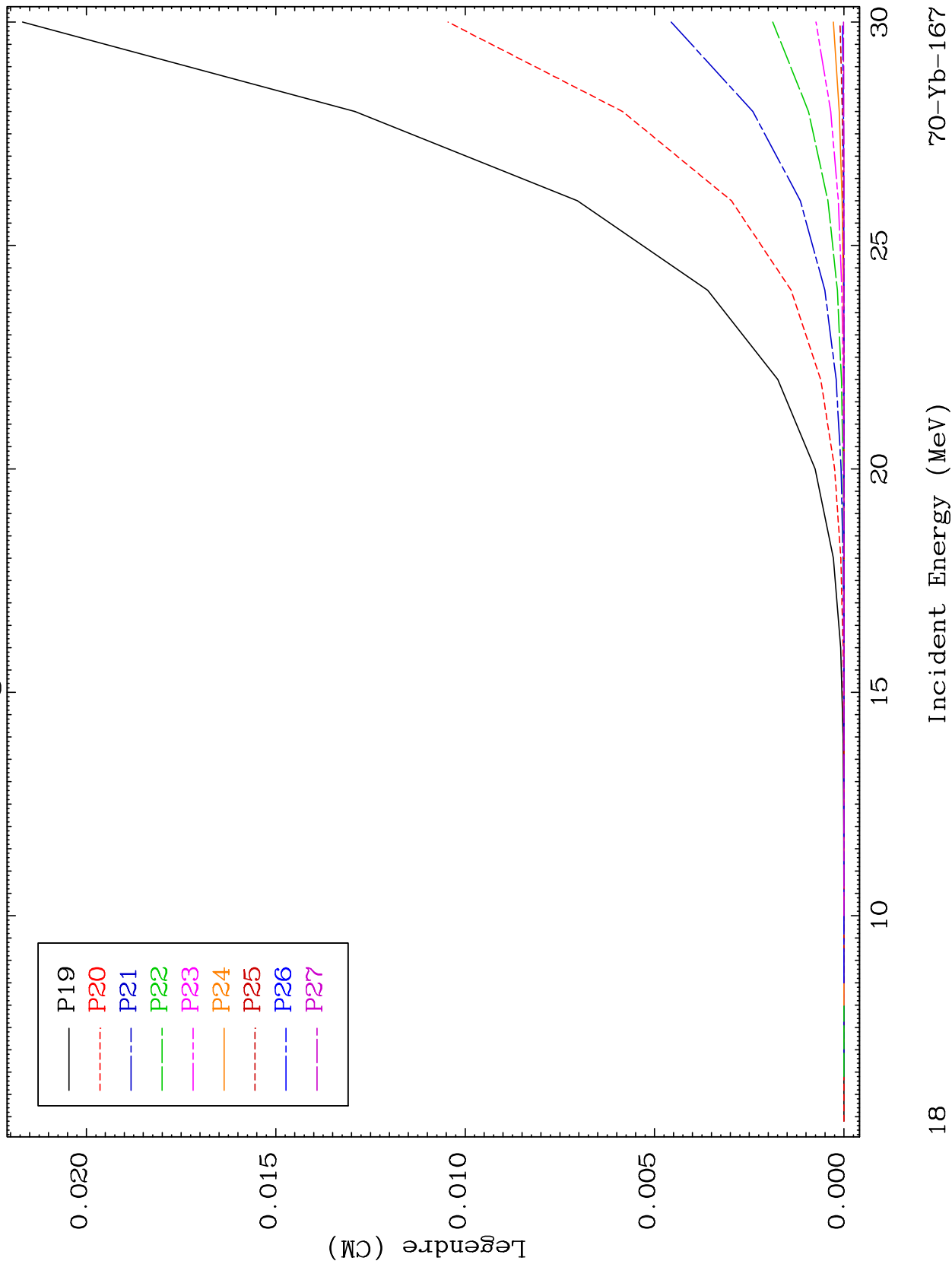
Incident Energy (MeV)

70-Yb-167

MAT 7022

Elastic Legendre Coefficients

70-Yb-167



18

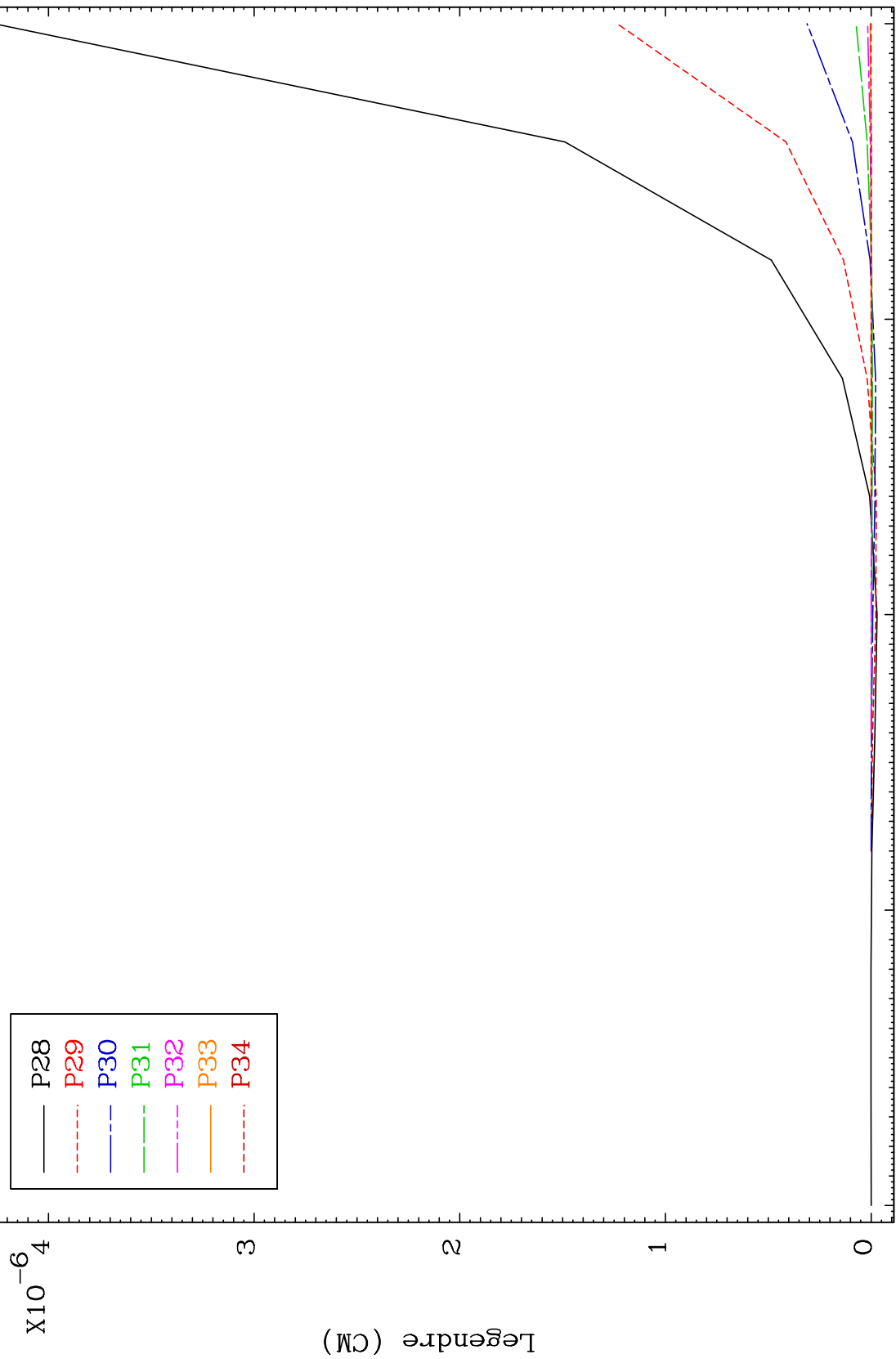
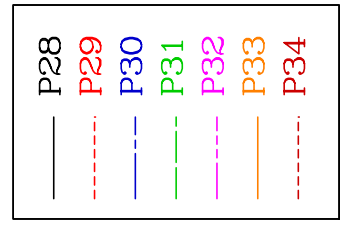
Incident Energy (MeV)

70-Yb-167

MAT 7022

Elastic Legendre Coefficients

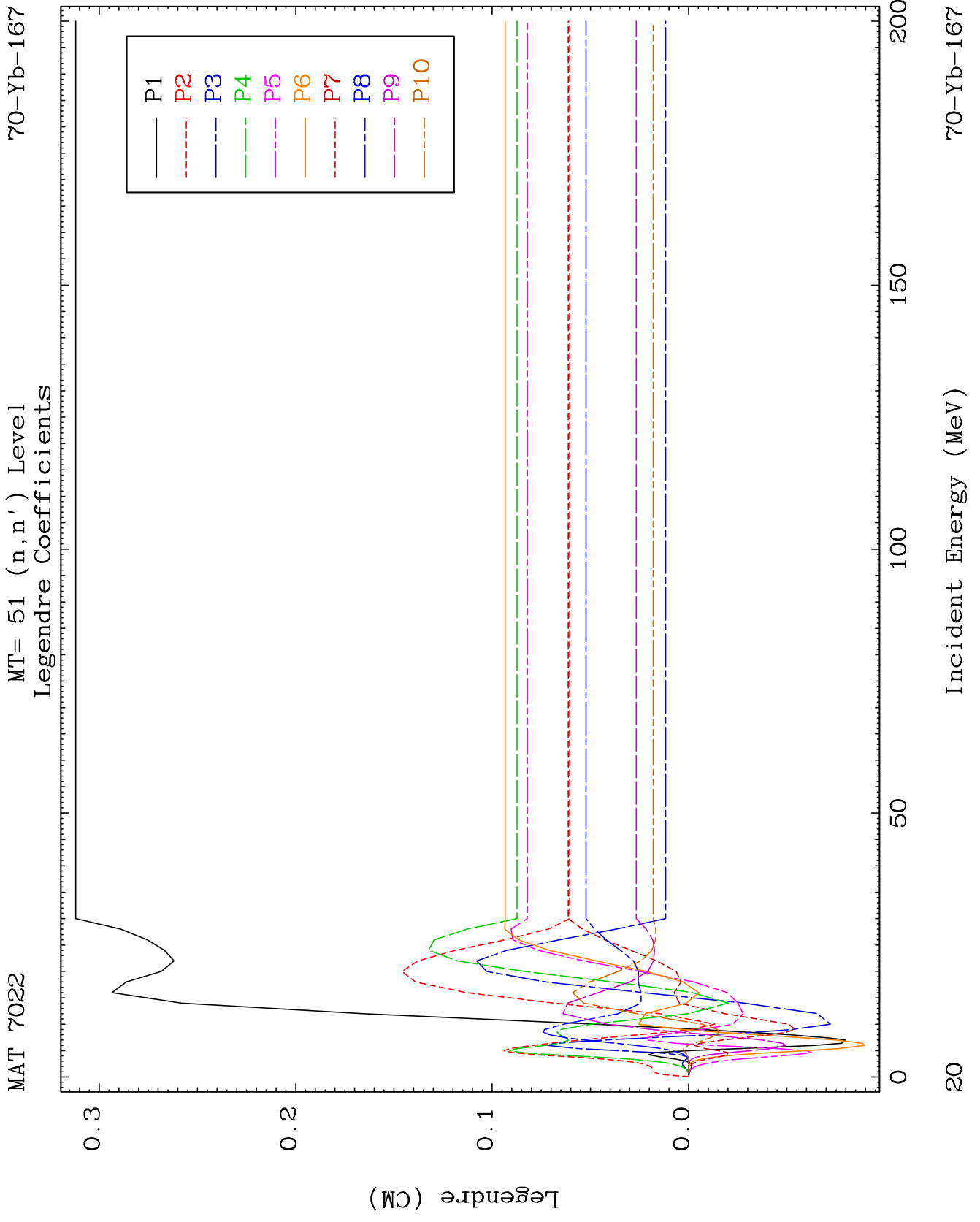
70-Yb-167



19

Incident Energy (MeV)

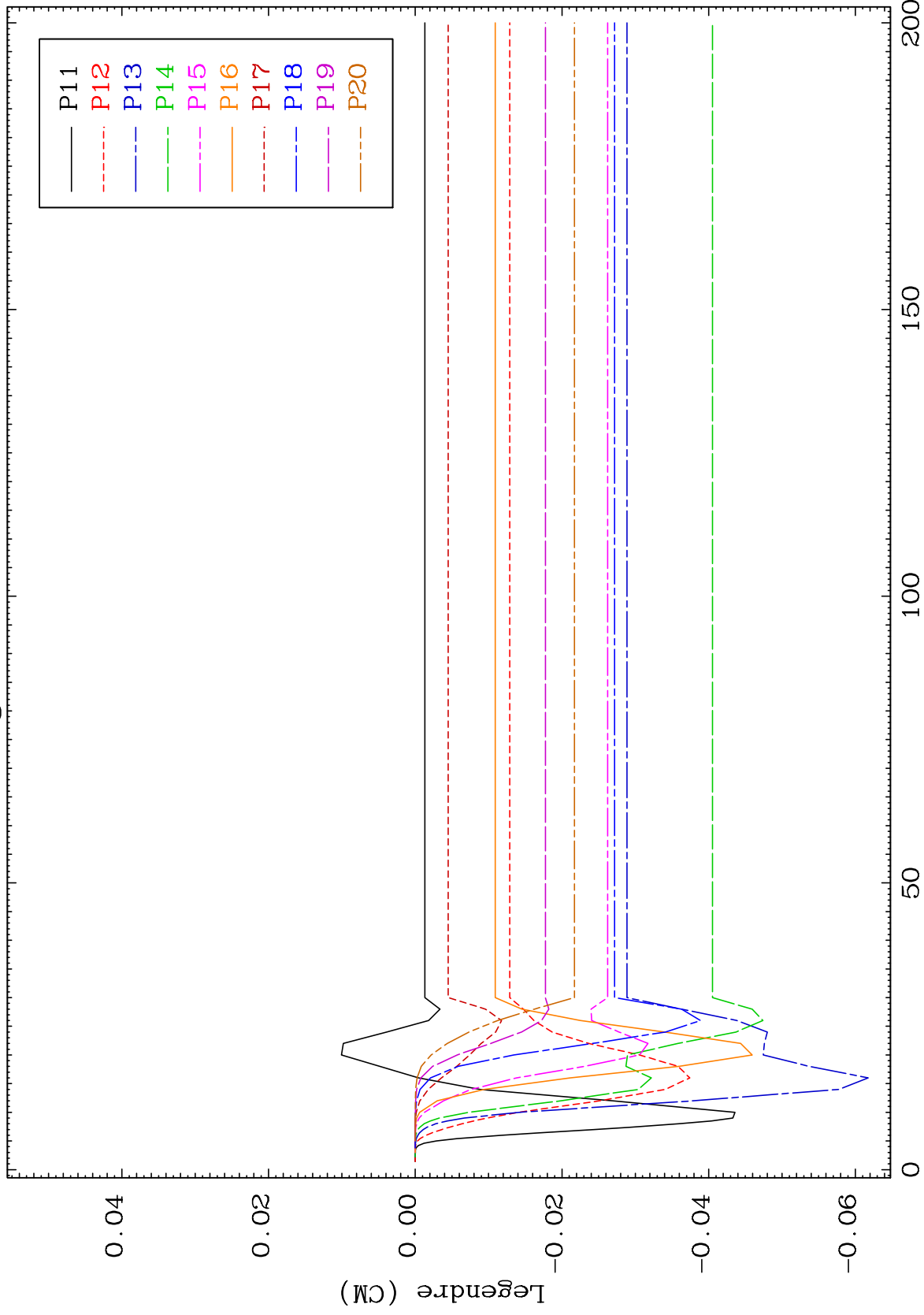
70-Yb-167



MAT 7022

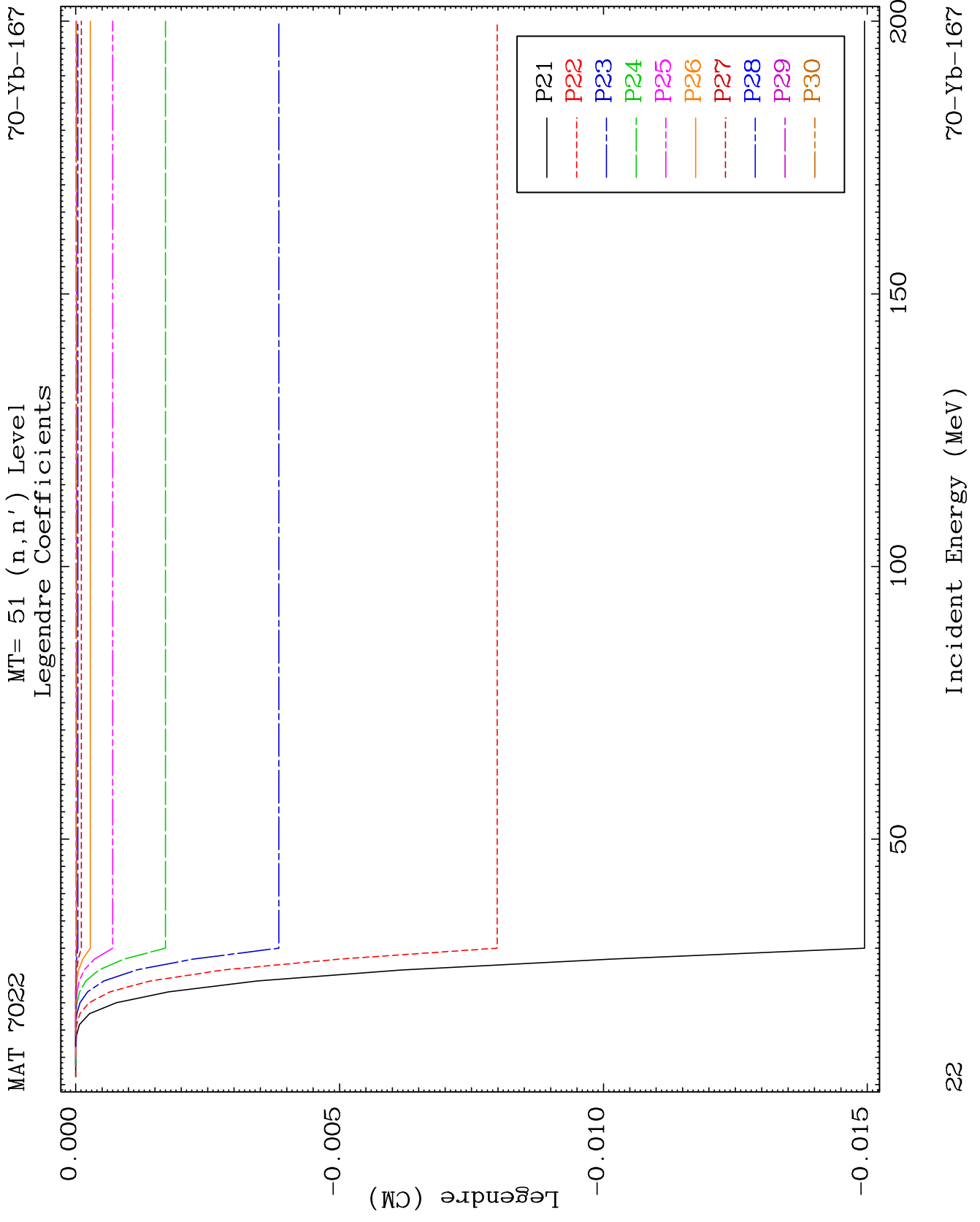
MT= 51 (n,n') Level
Legendre Coefficients

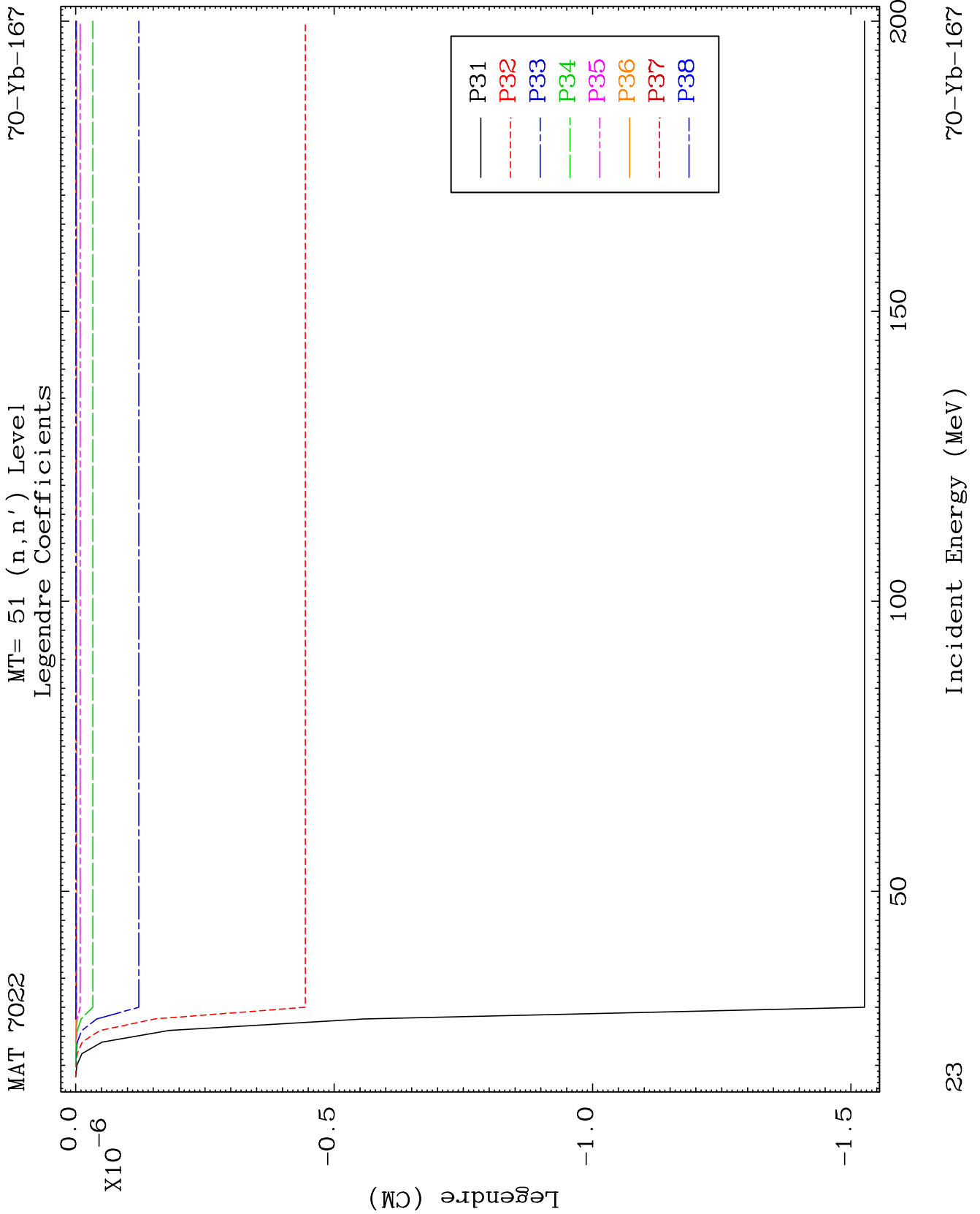
70-Yb-167

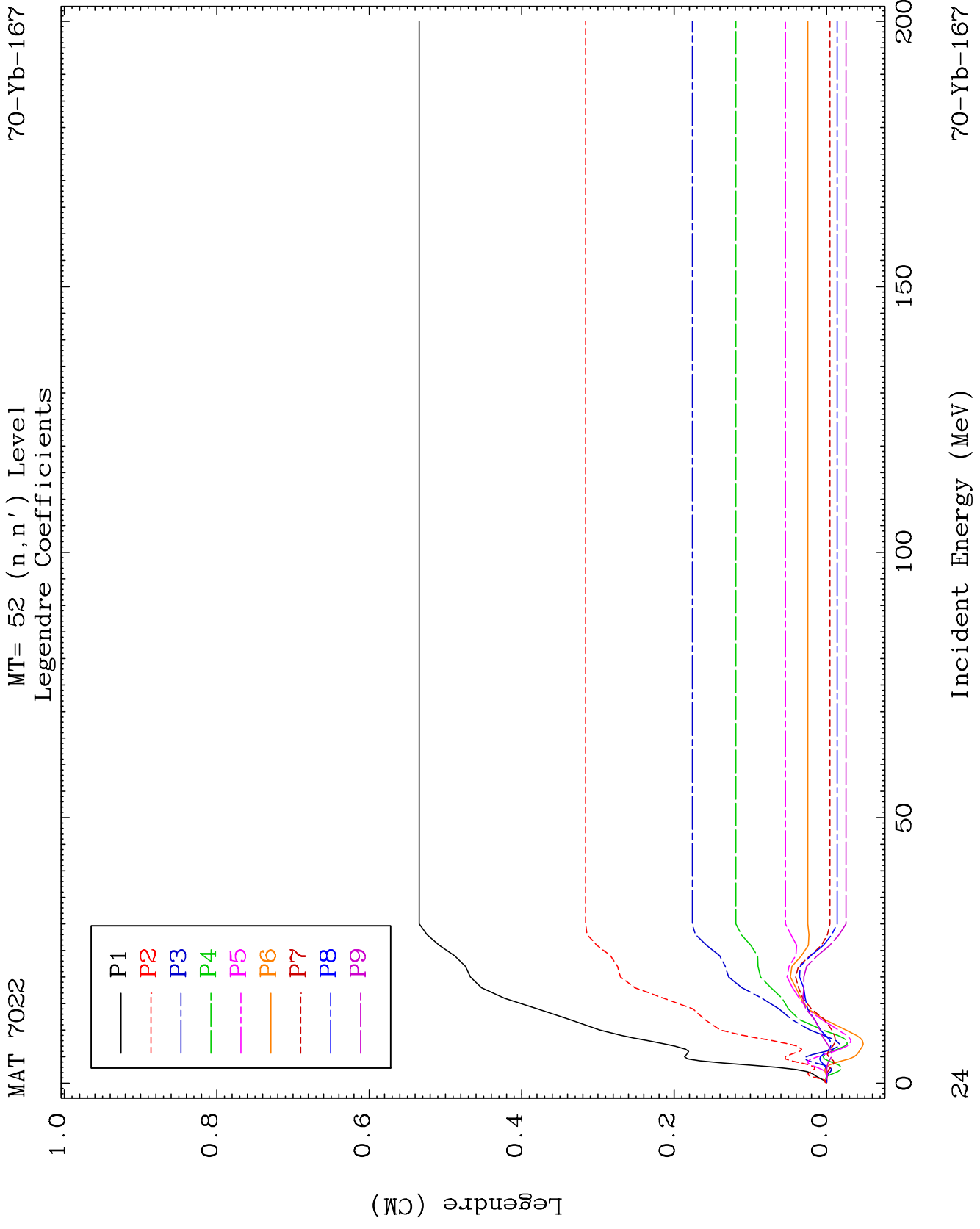


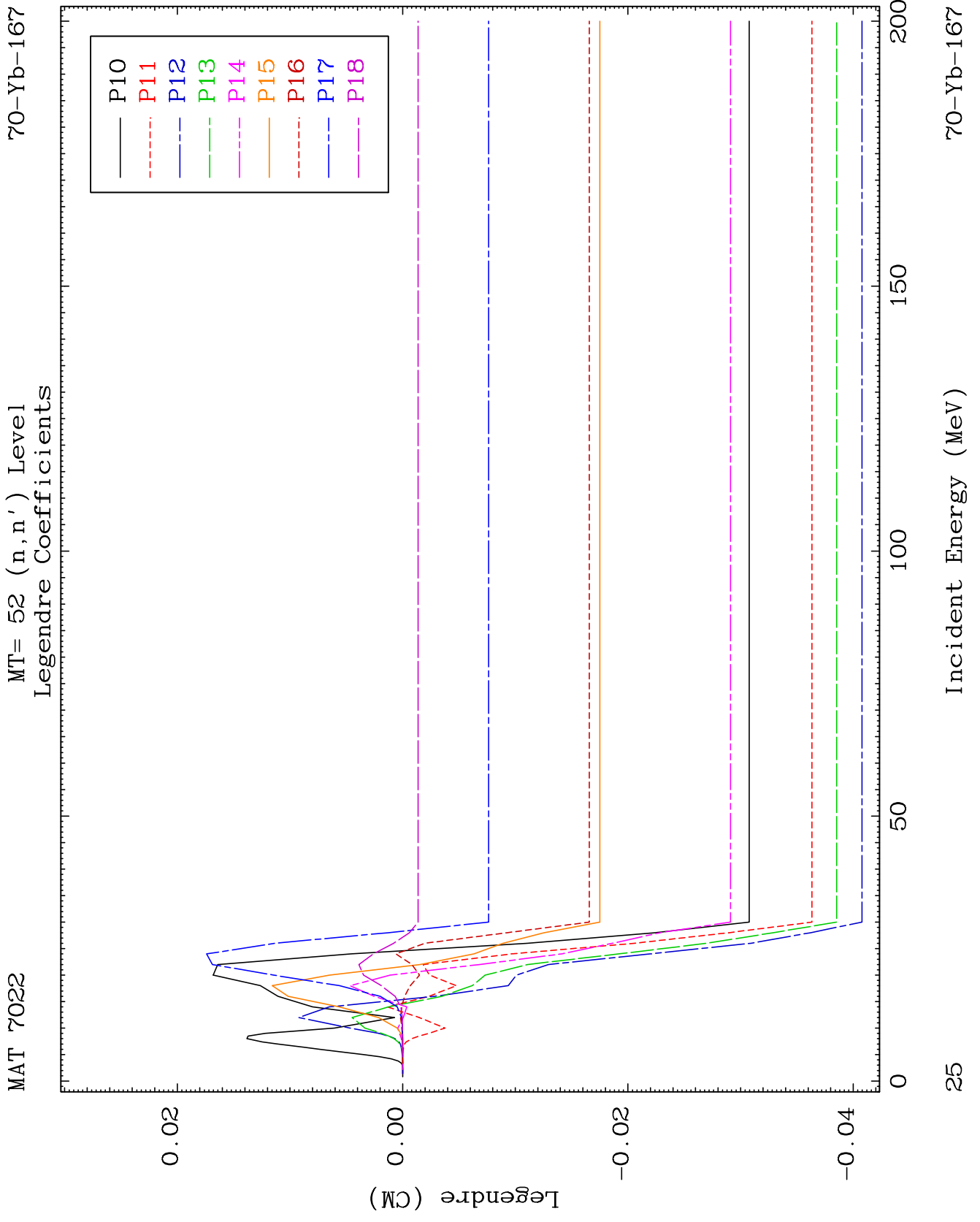
21

70-Yb-167





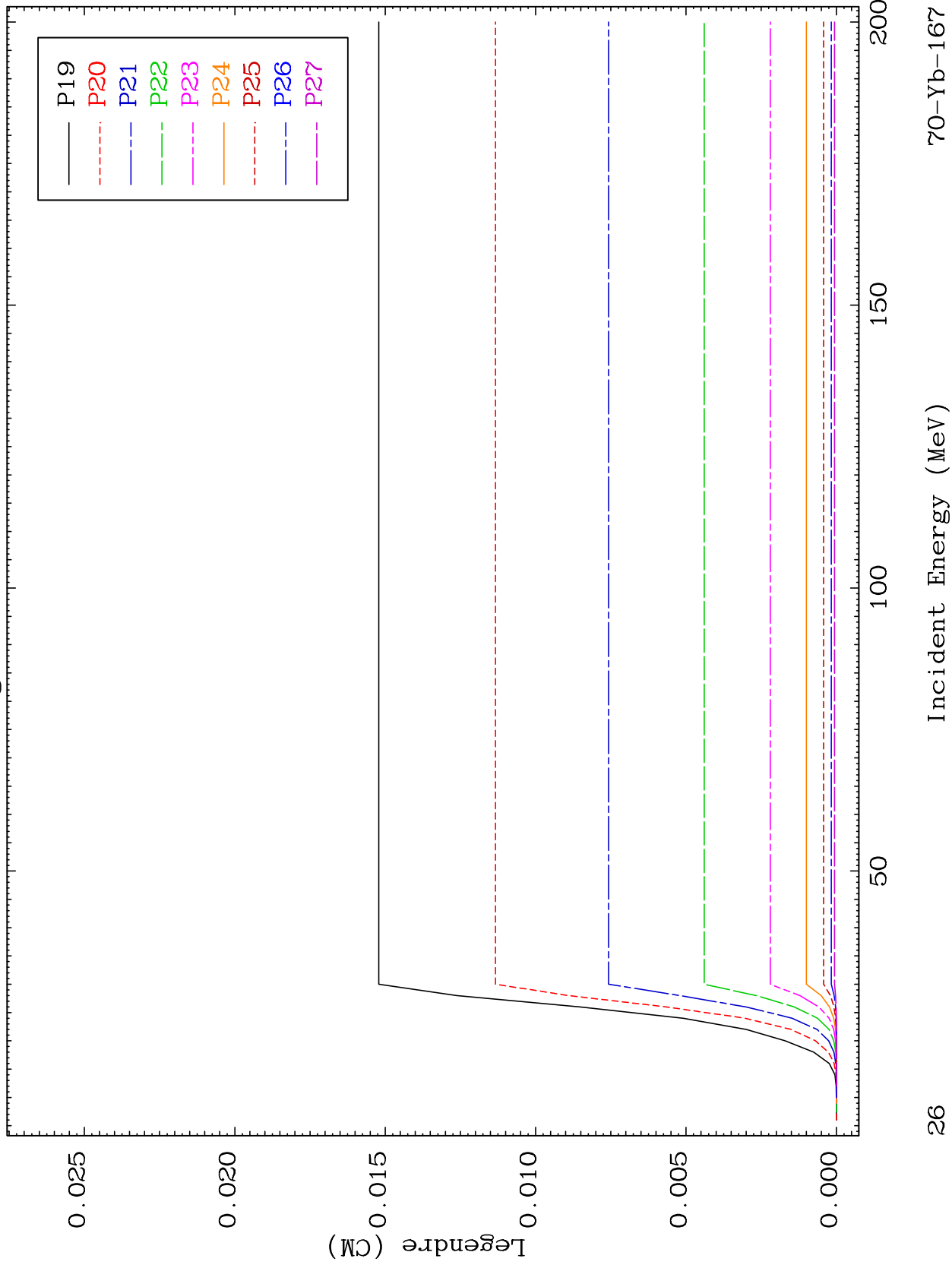




MAT 7022

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

70-Yb-167



26

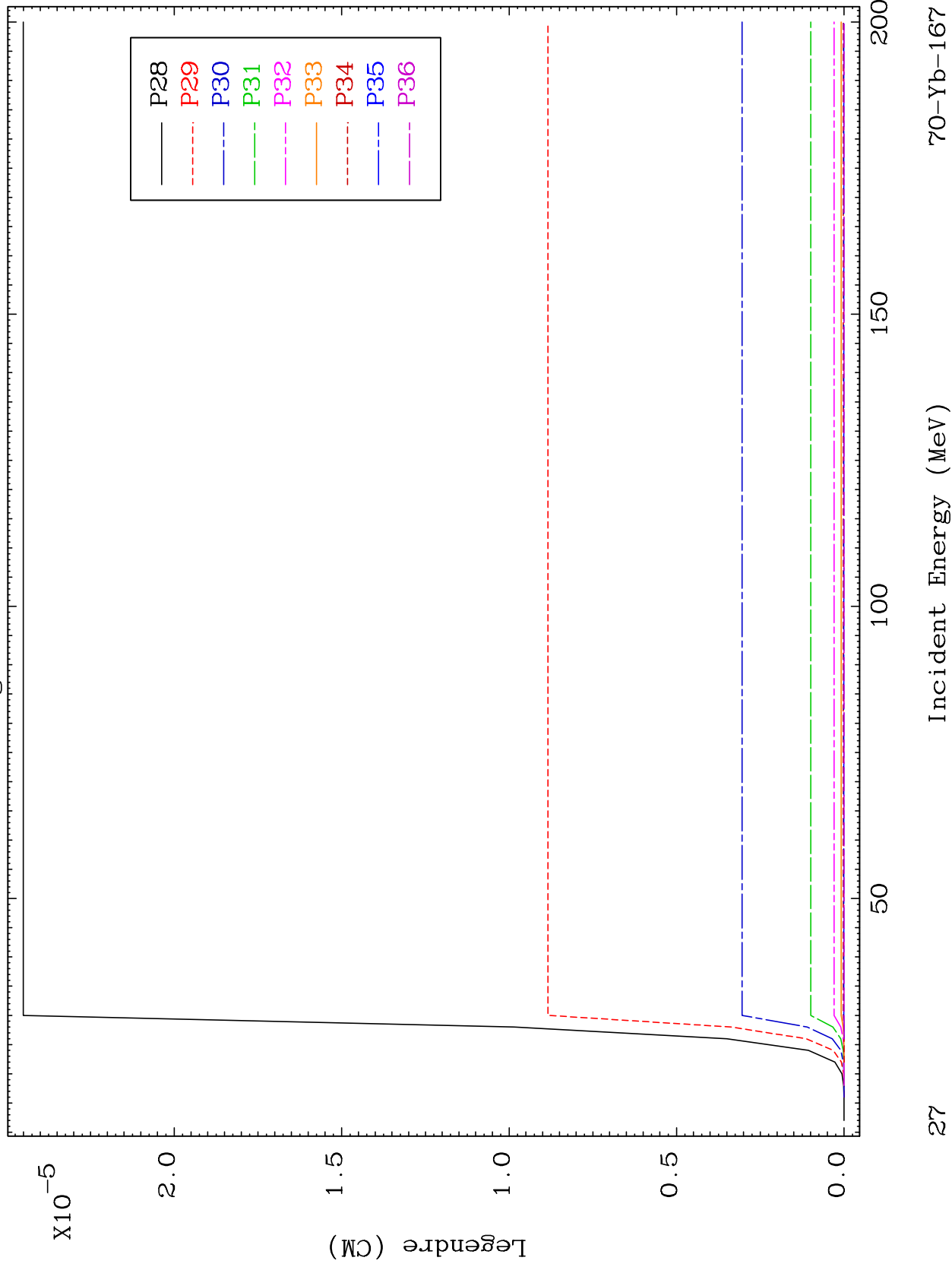
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

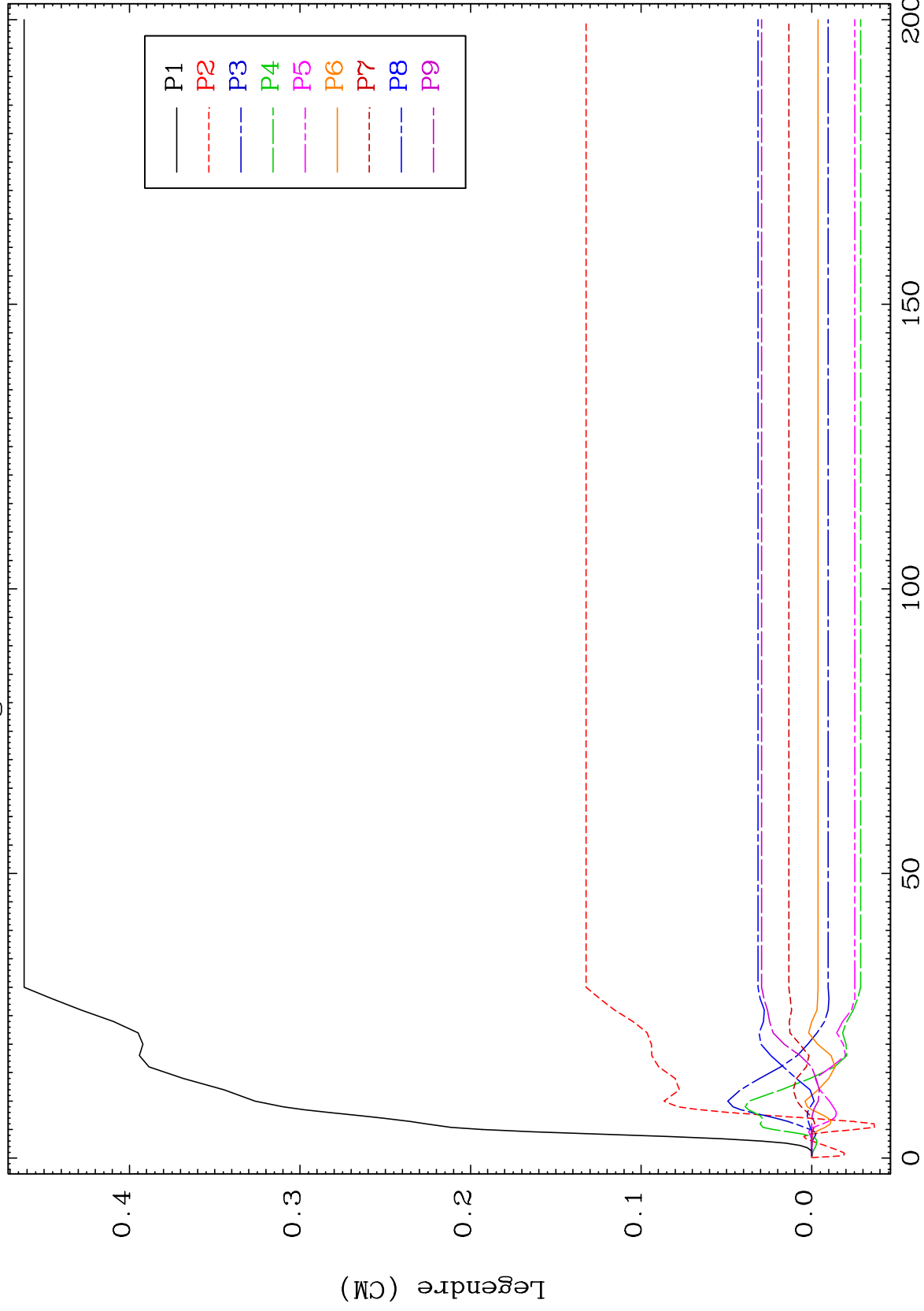
70-Yb-167



MAT 7022

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

70-Yb-167



28

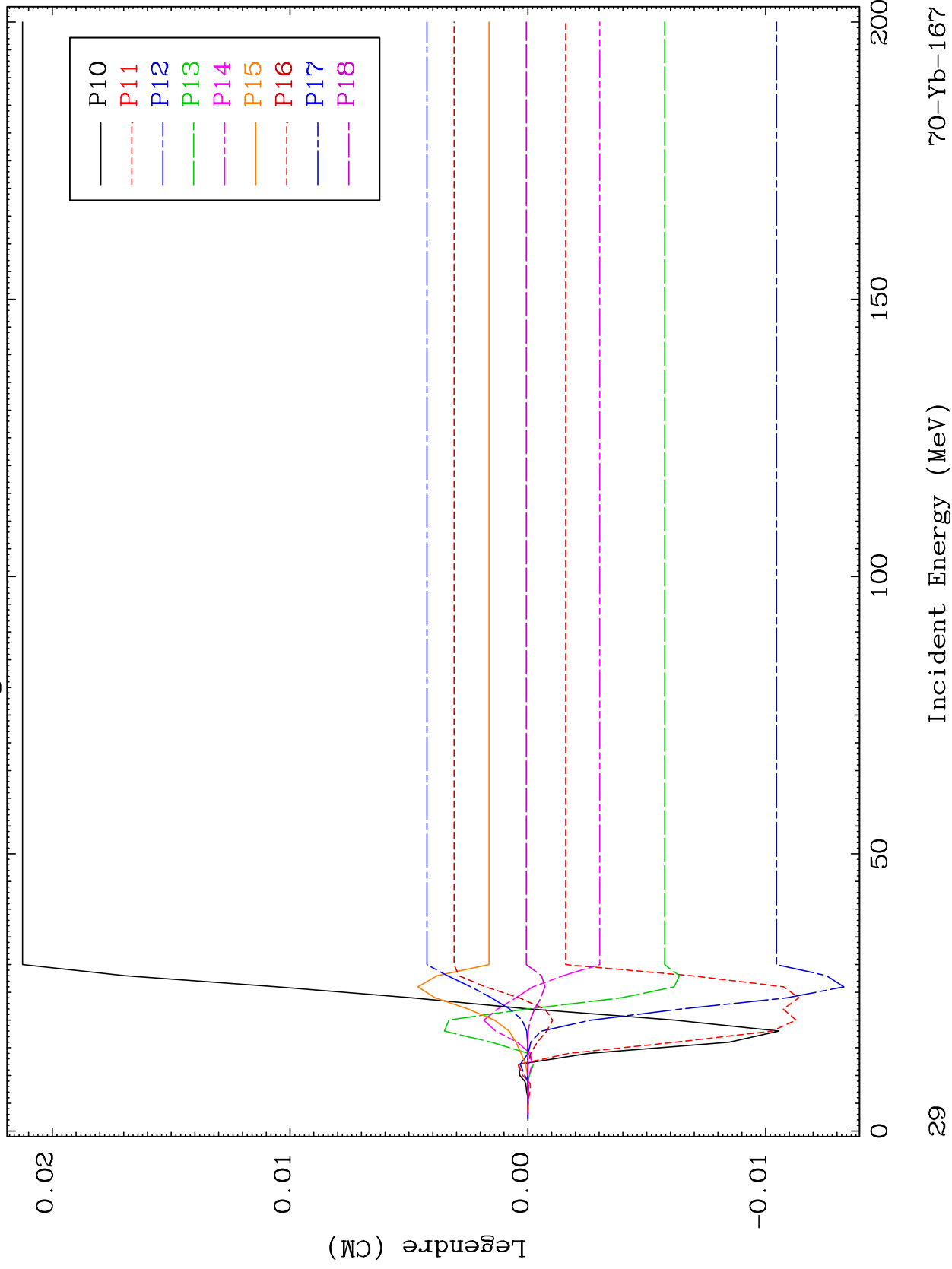
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

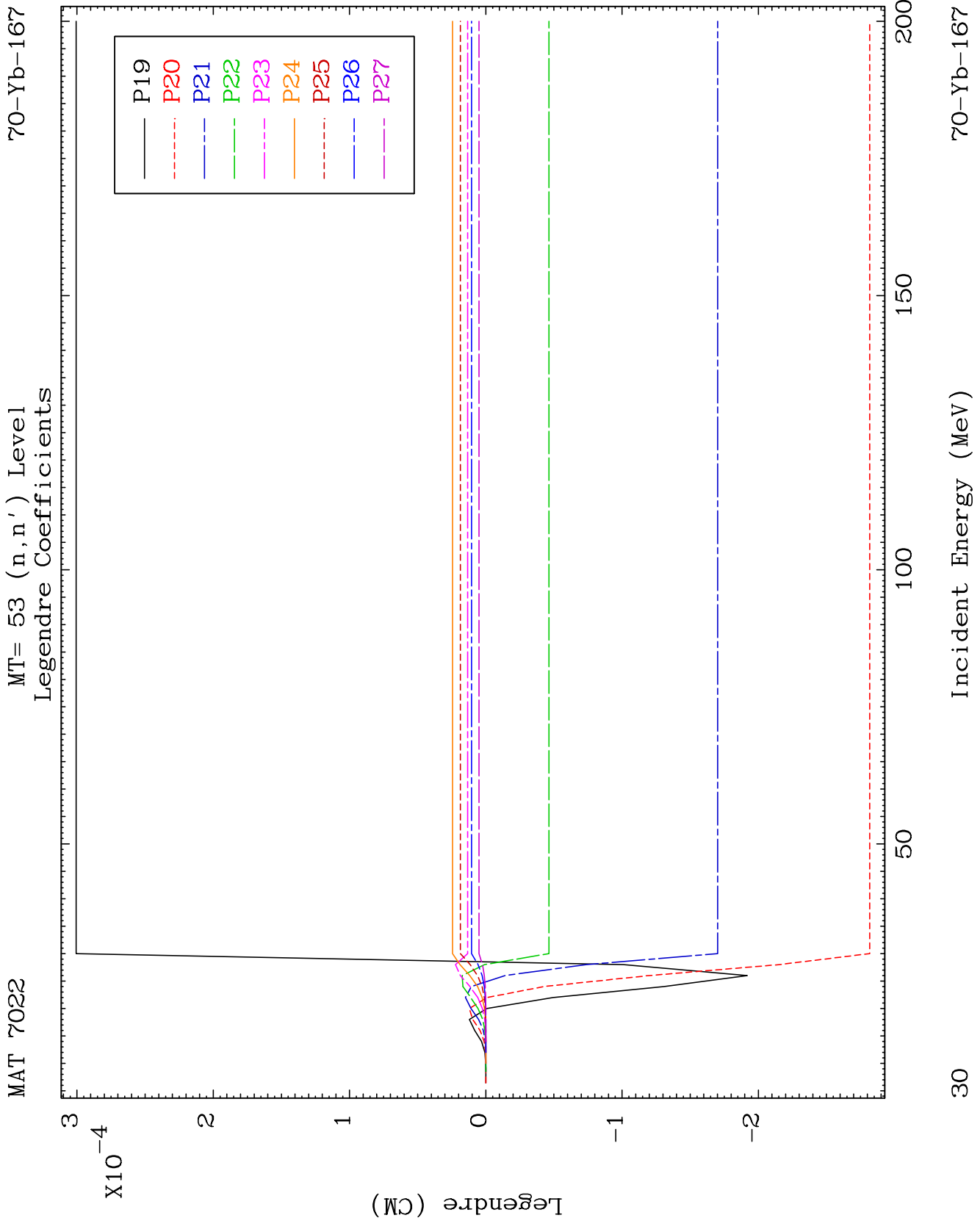
70-Yb-167



70-Yb-167

Incident Energy (MeV)

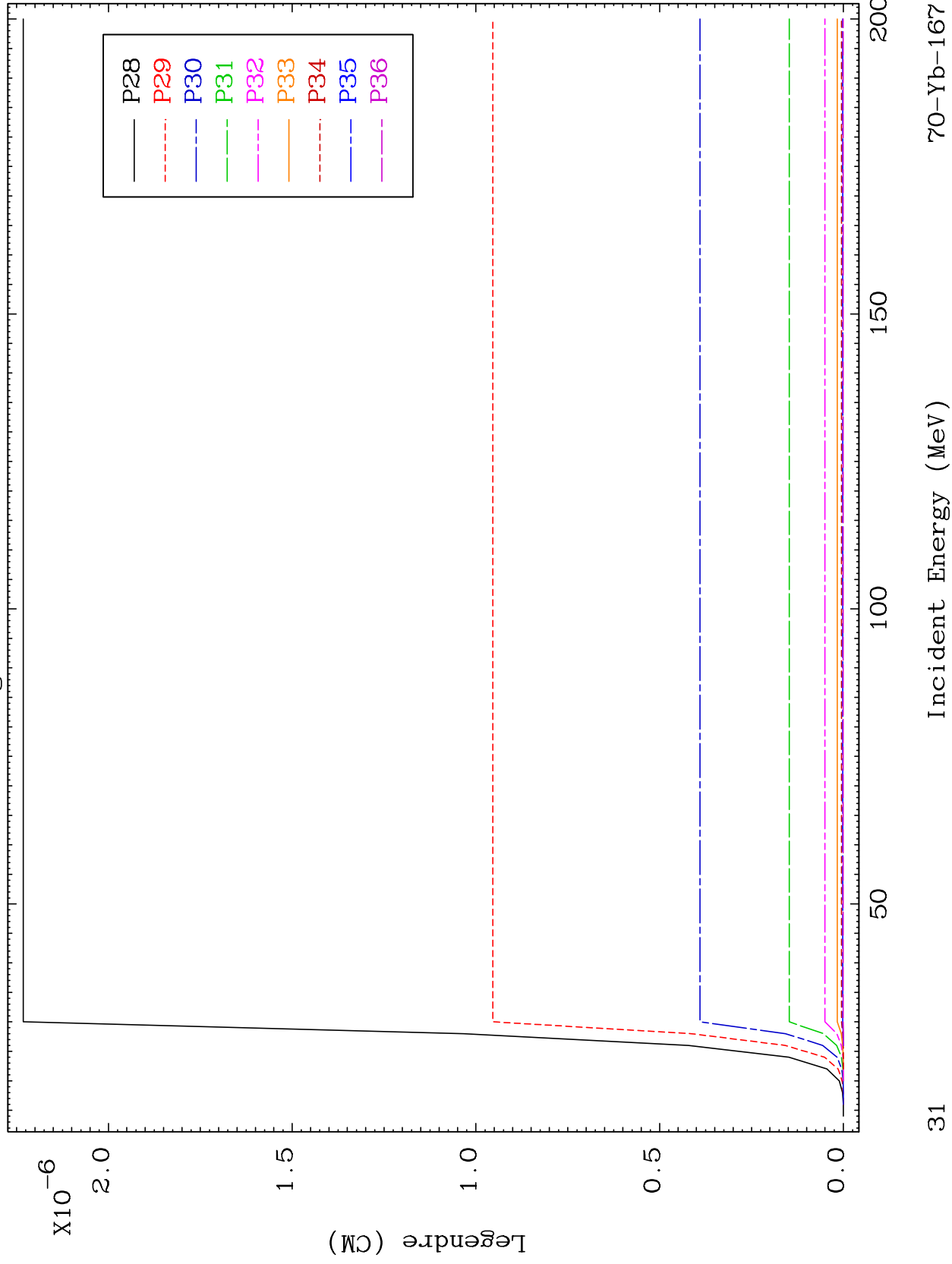
29



MAT 7022

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

70-Yb-167

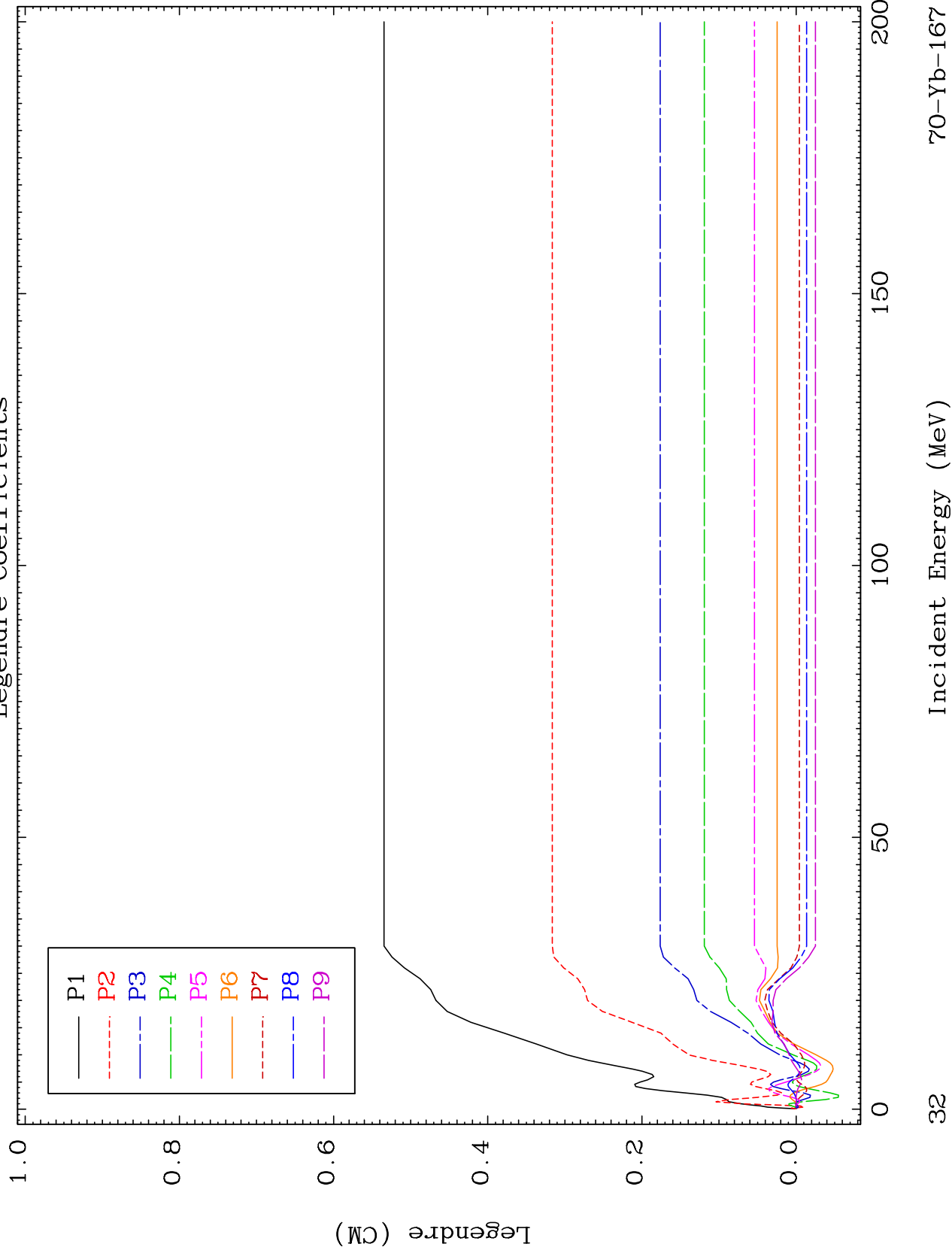


31

MAT 7022

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

70-Yb-167



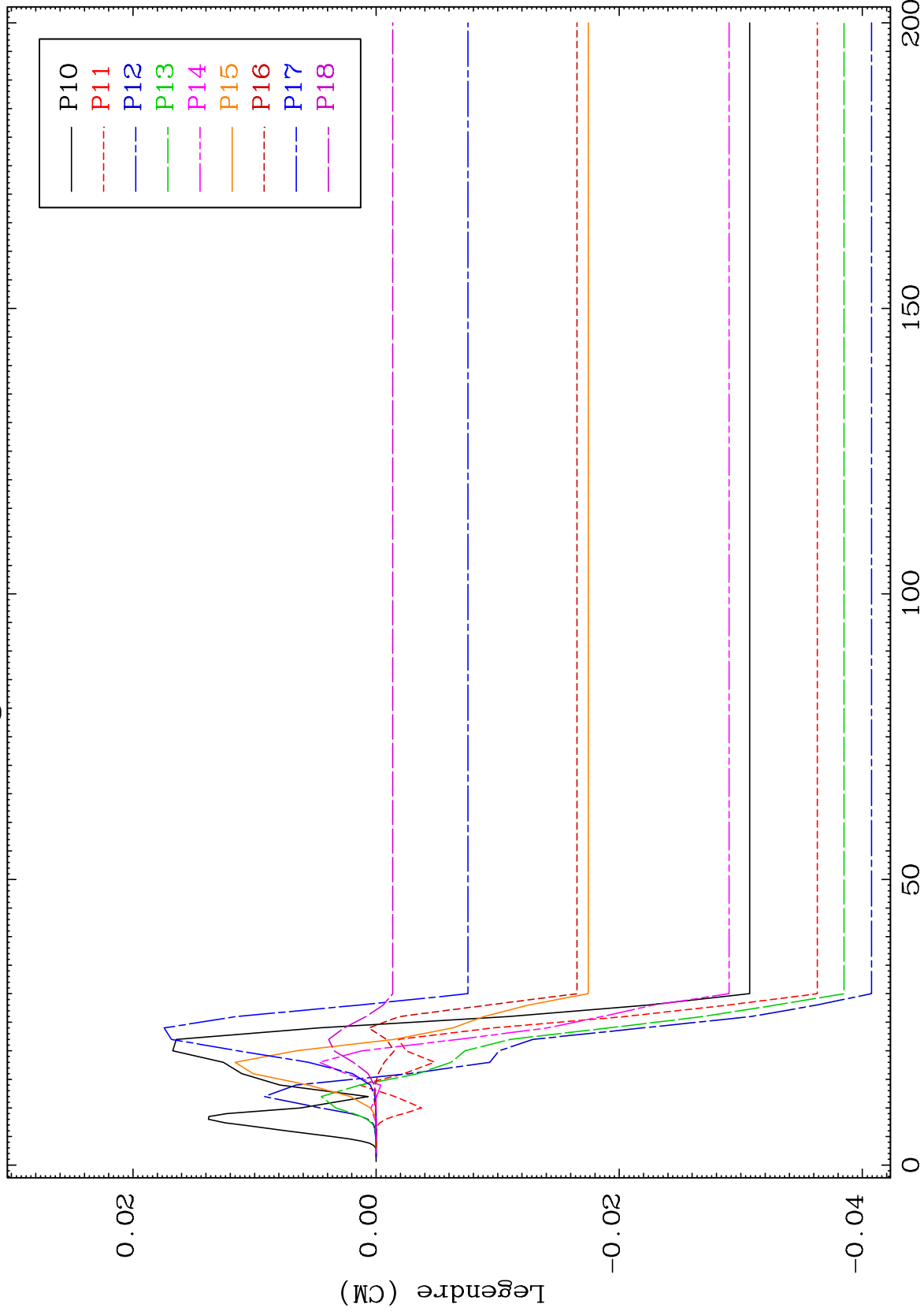
32

70-Yb-167

MAT 7022

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

70-Yb-167



33

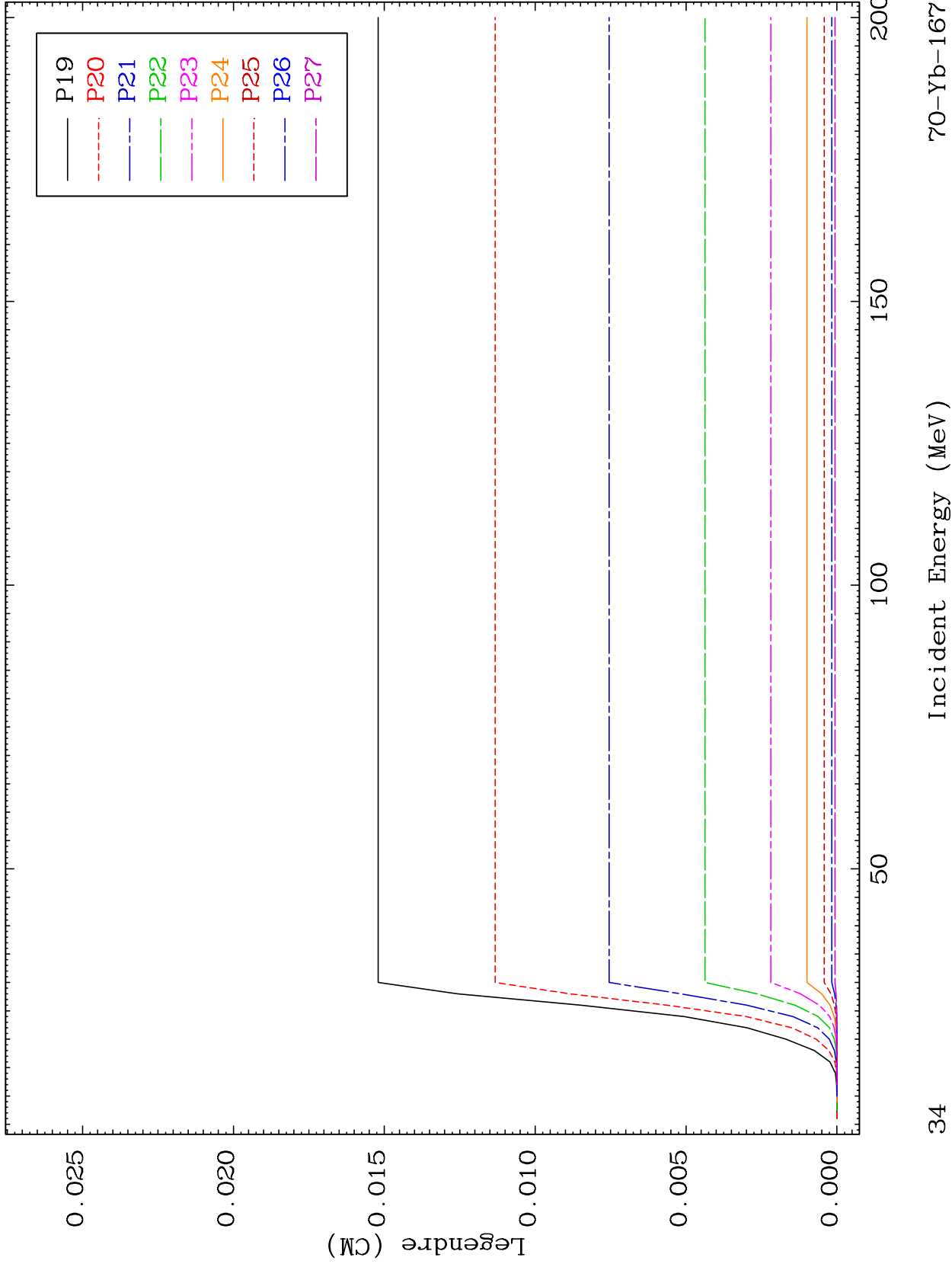
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



34

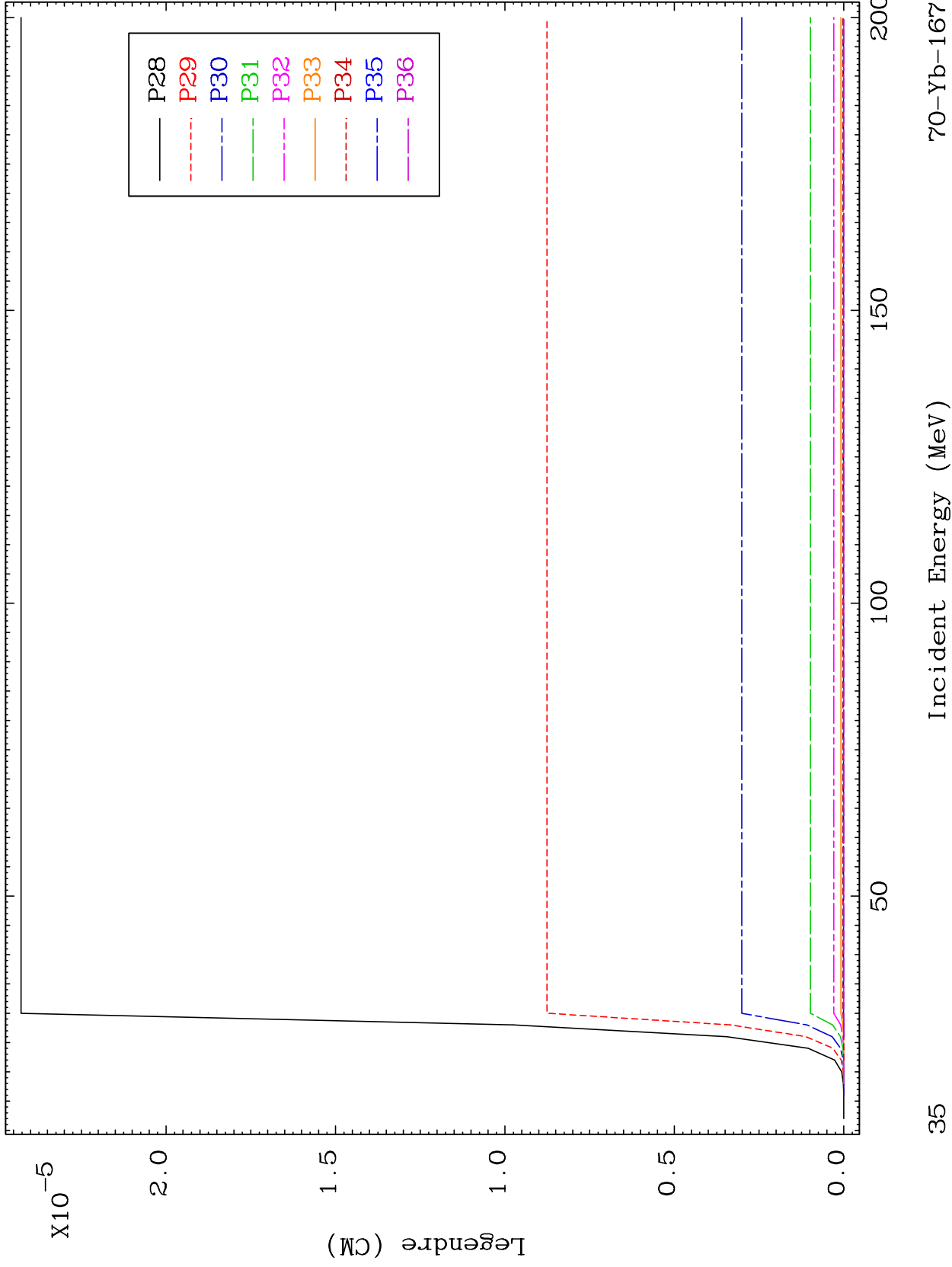
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



35

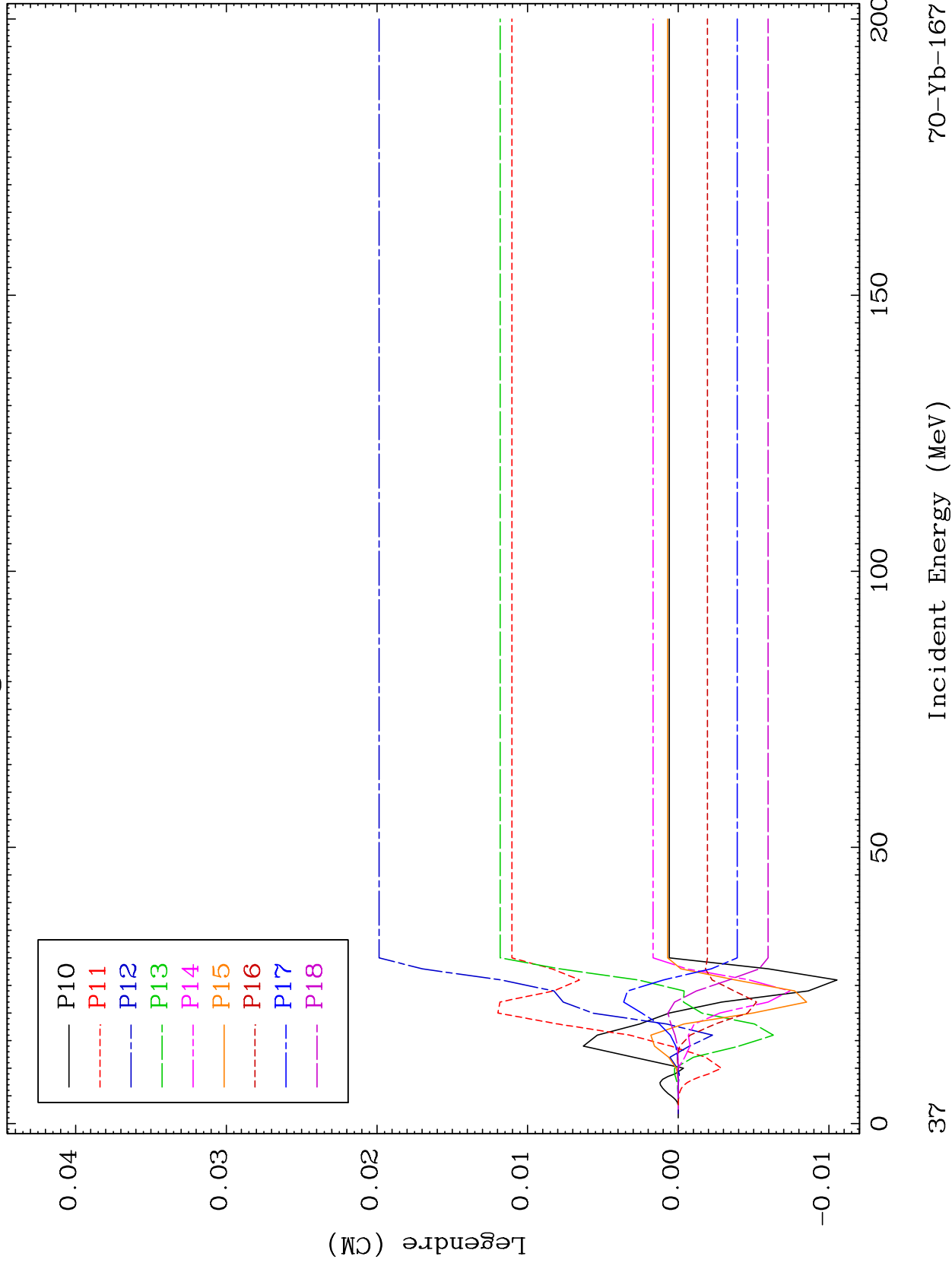
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



37

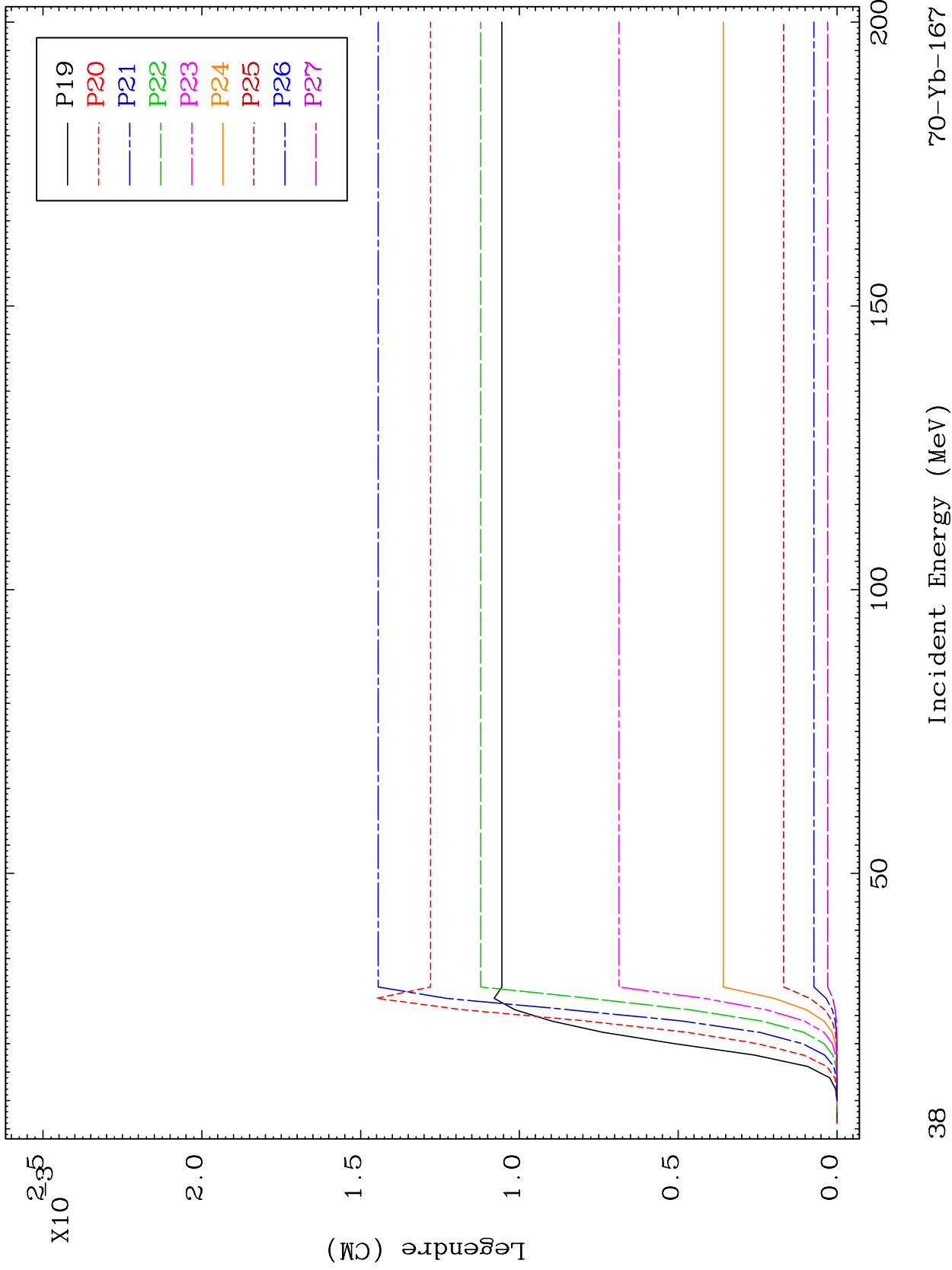
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



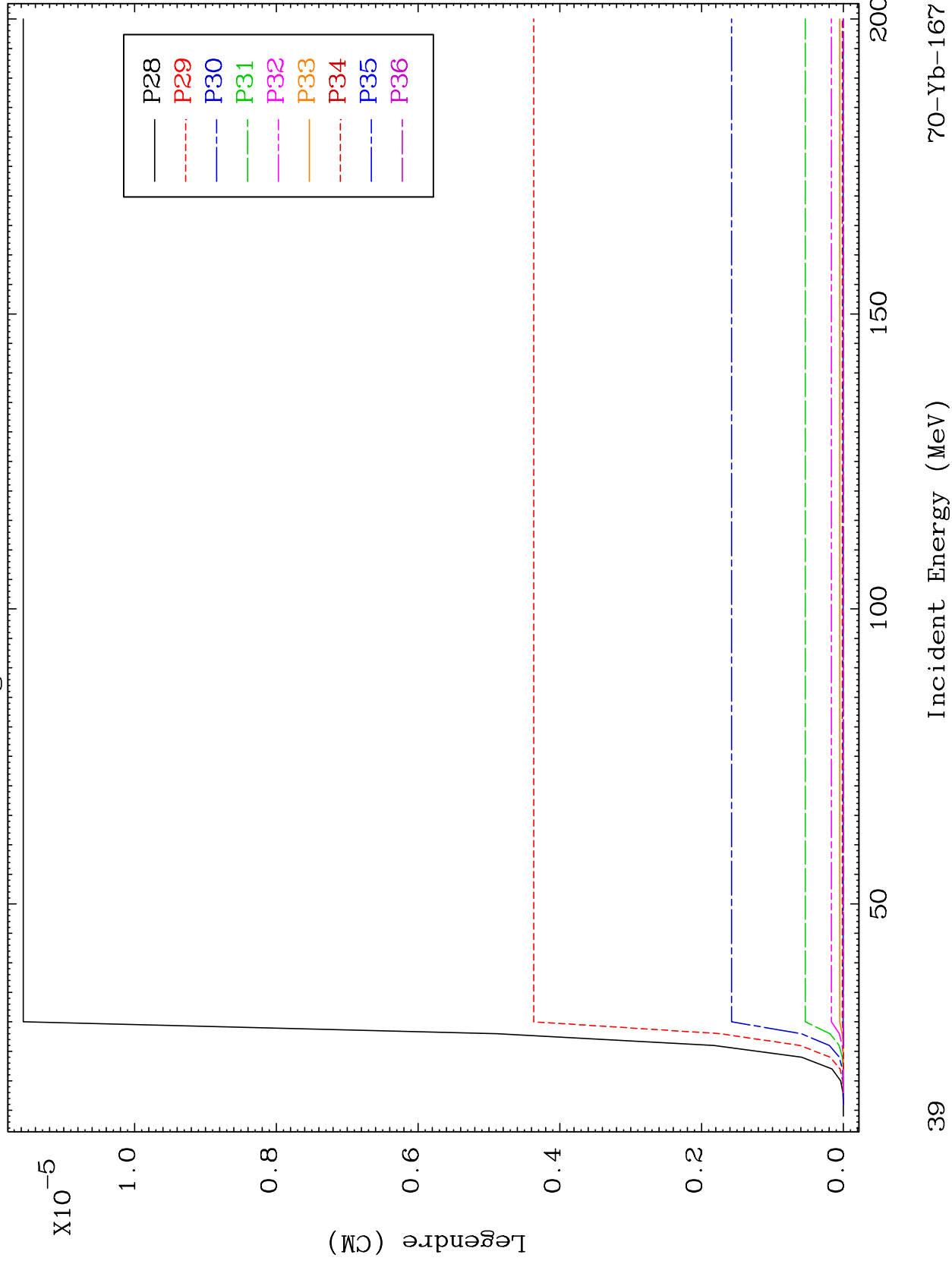
38

70-Yb-167

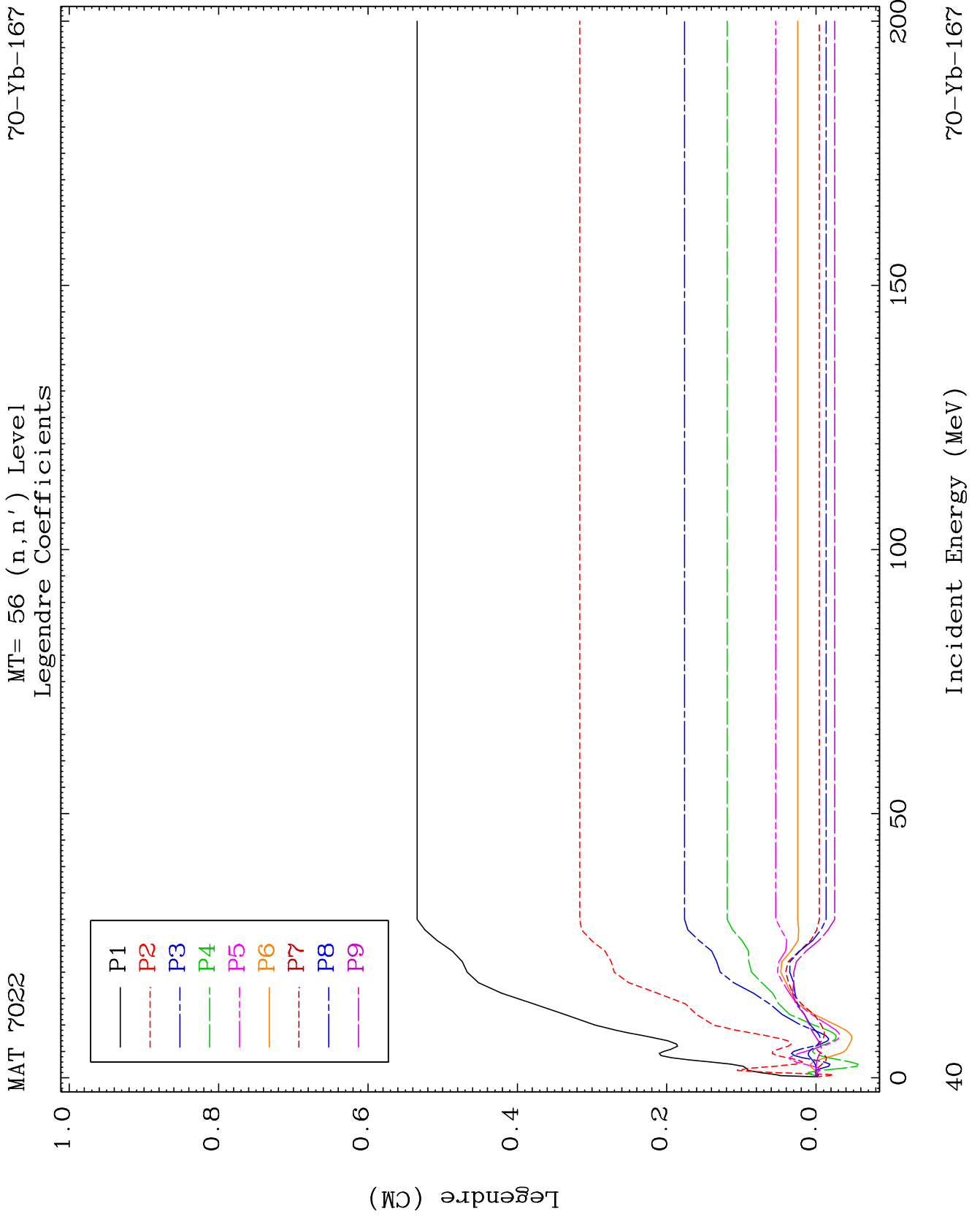
MAT 7022

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

70-Yb-167



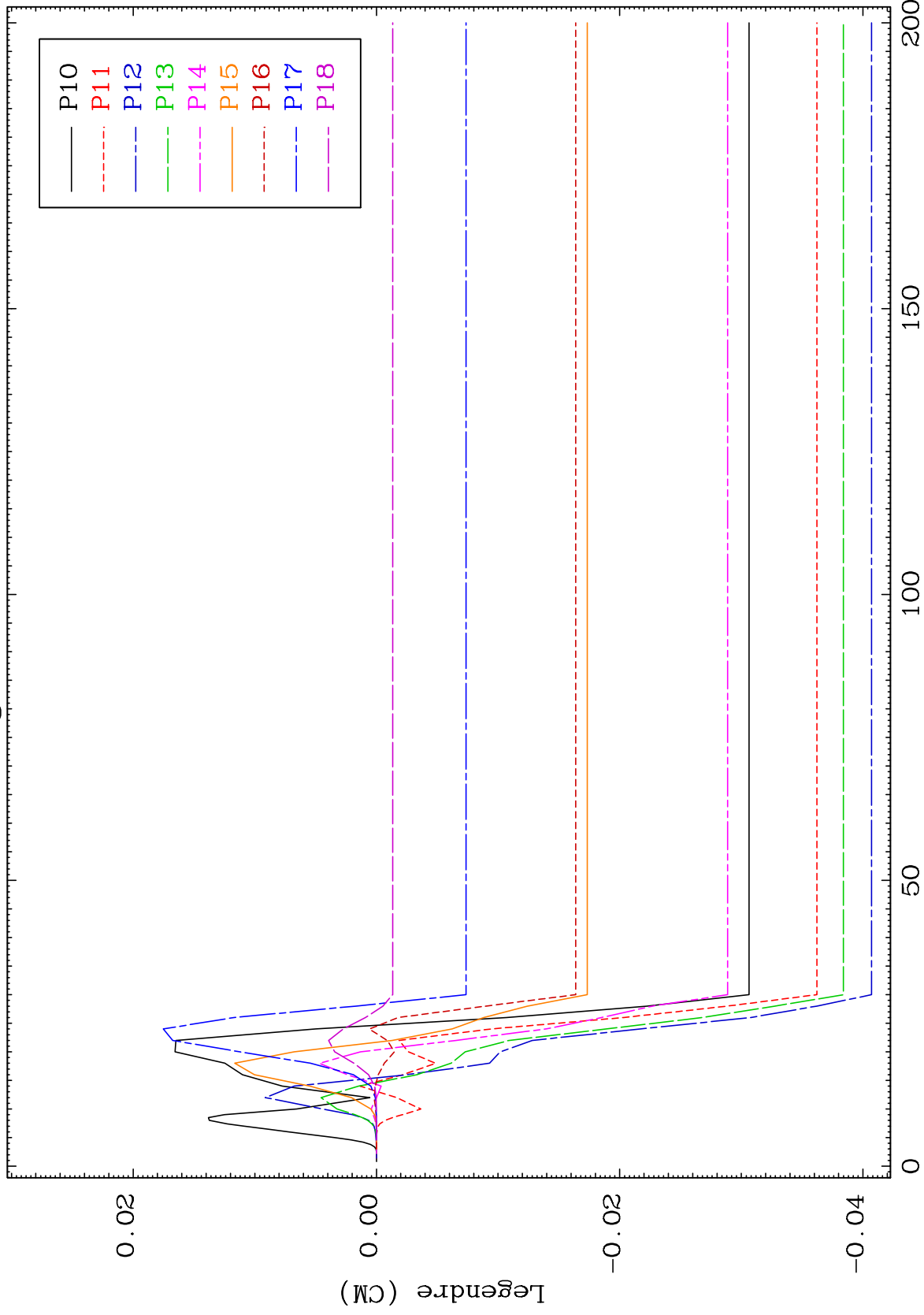
39



MAT 7022

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

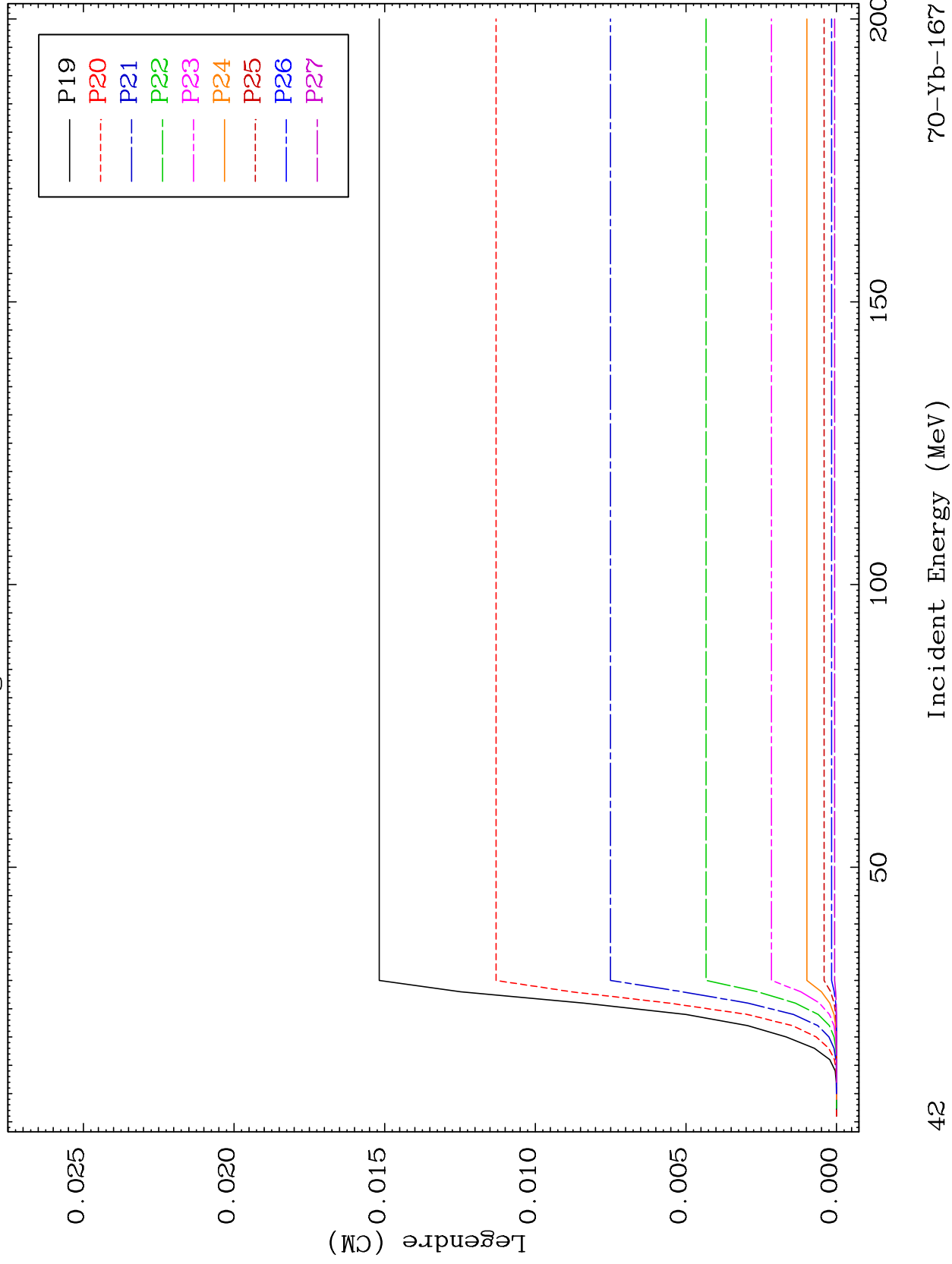
70-Yb-167



MAT 7022

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

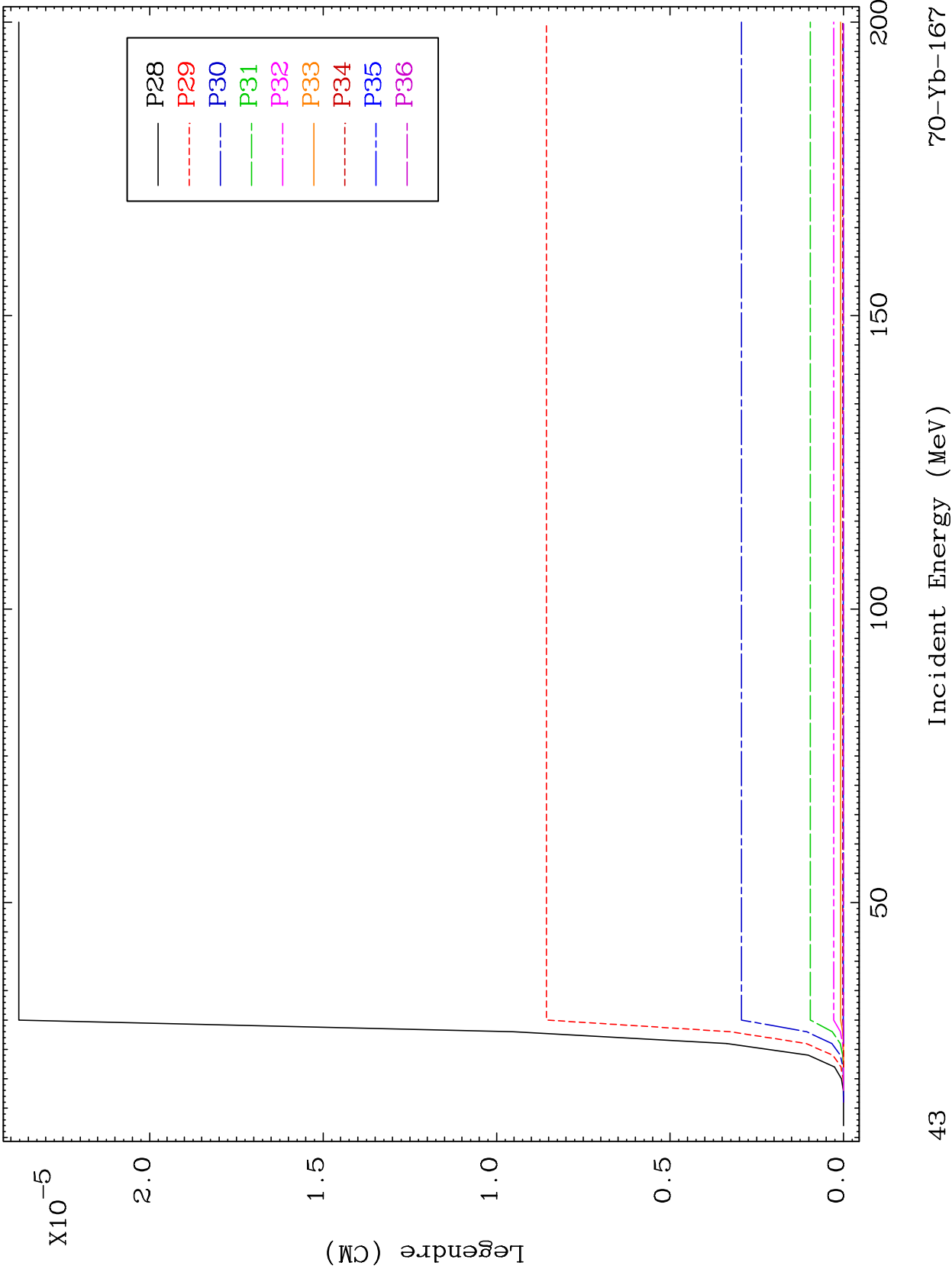
70-Yb-167

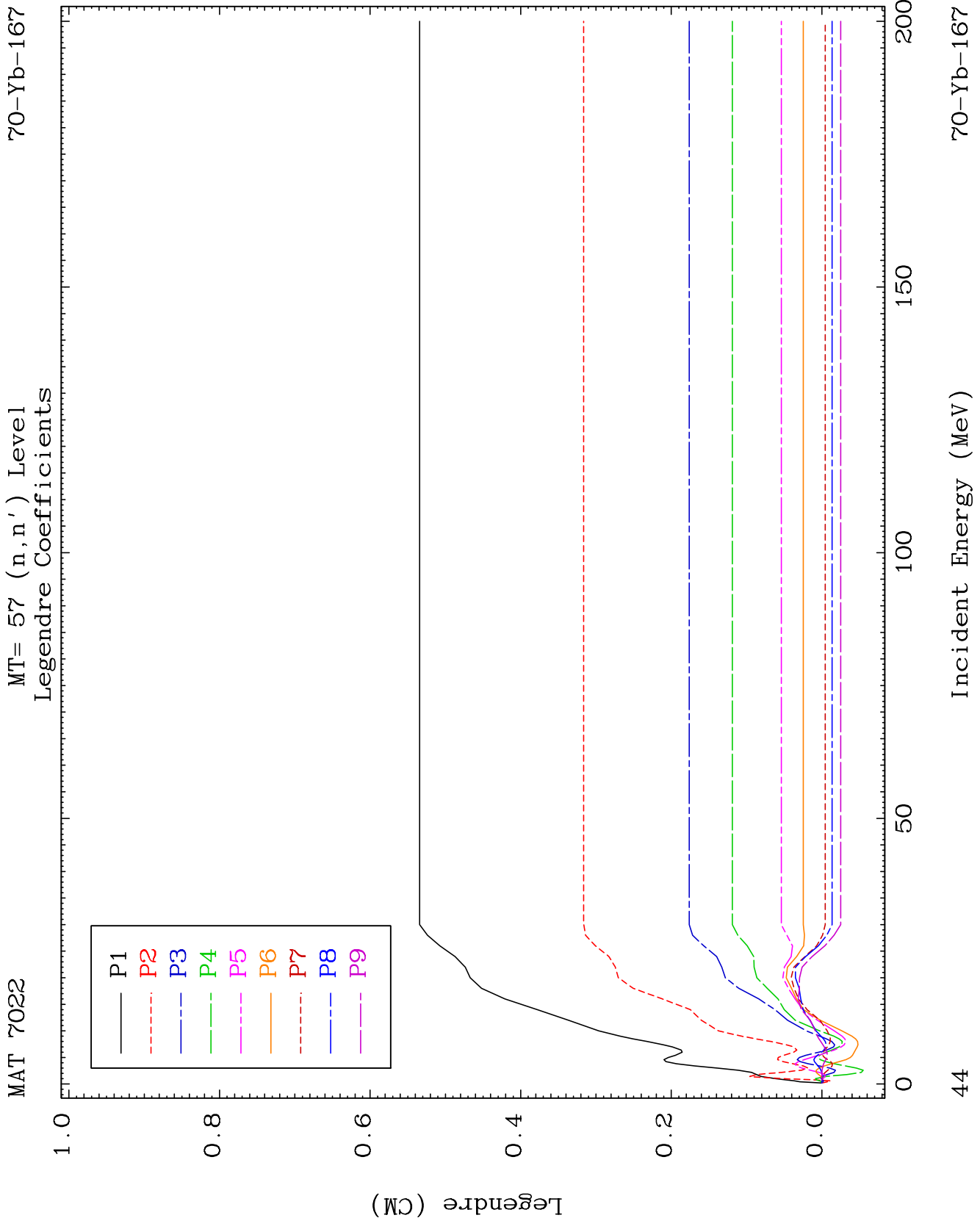


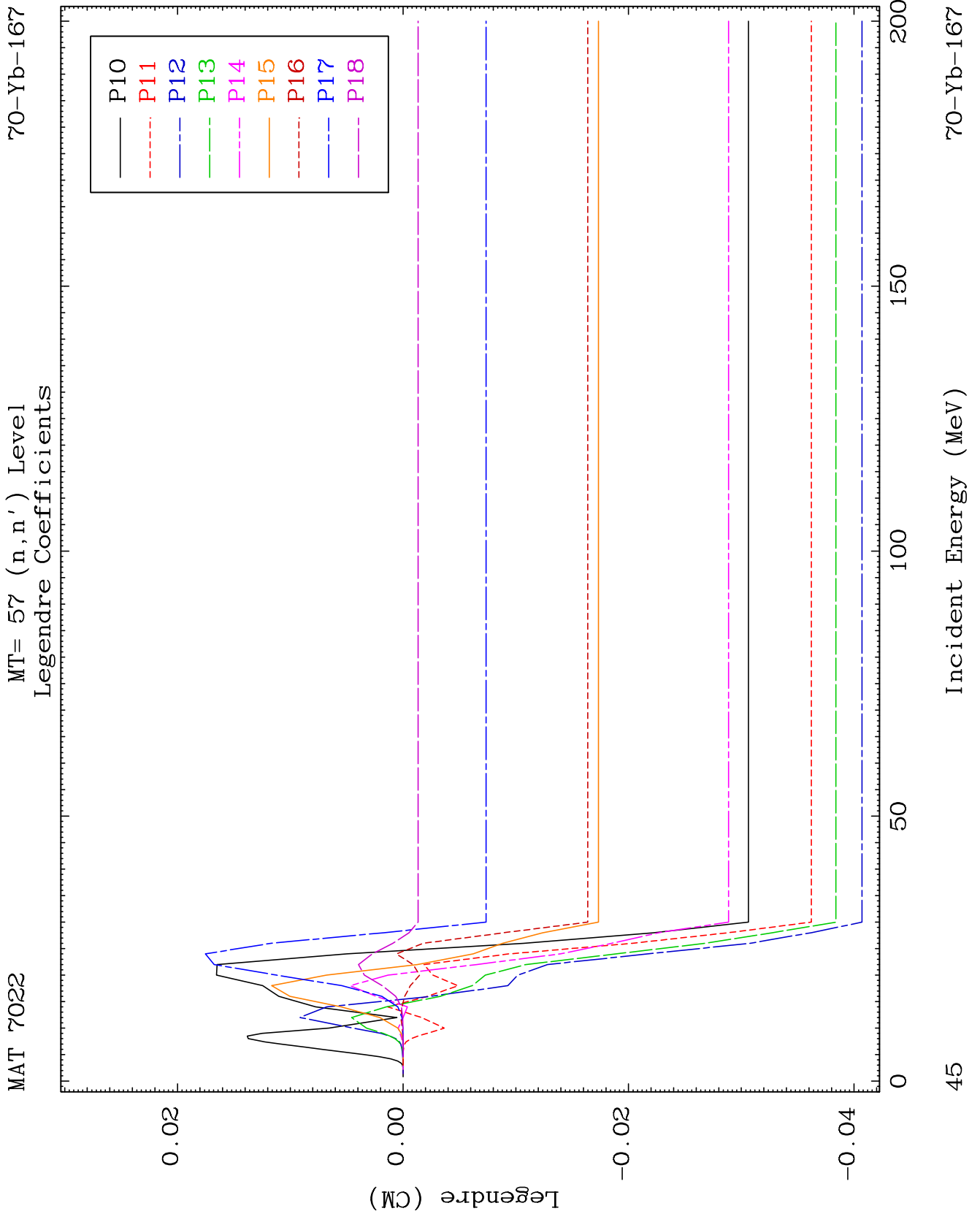
42

Incident Energy (MeV)

70-Yb-167



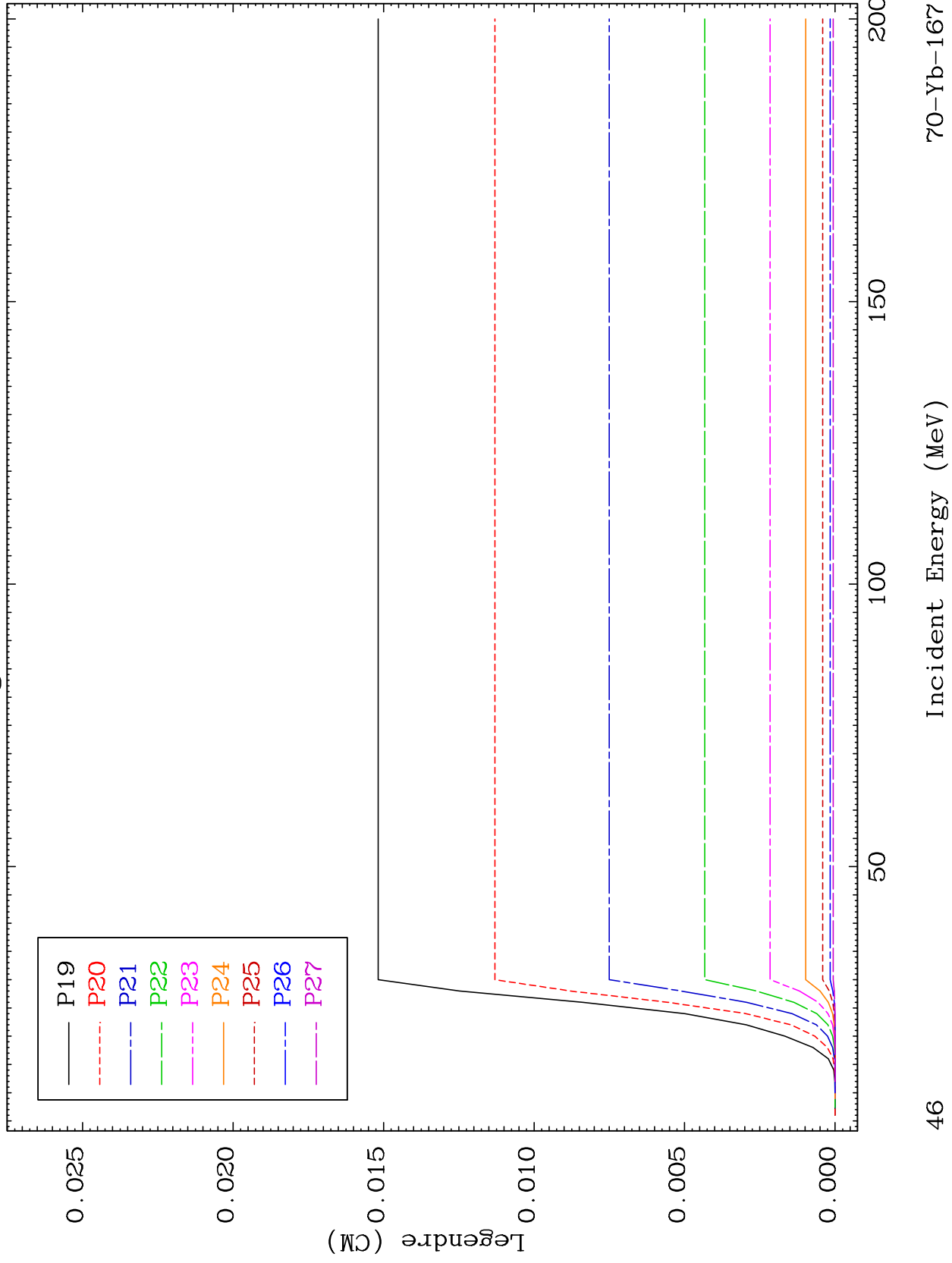




MAT 7022

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

70-Yb-167



46

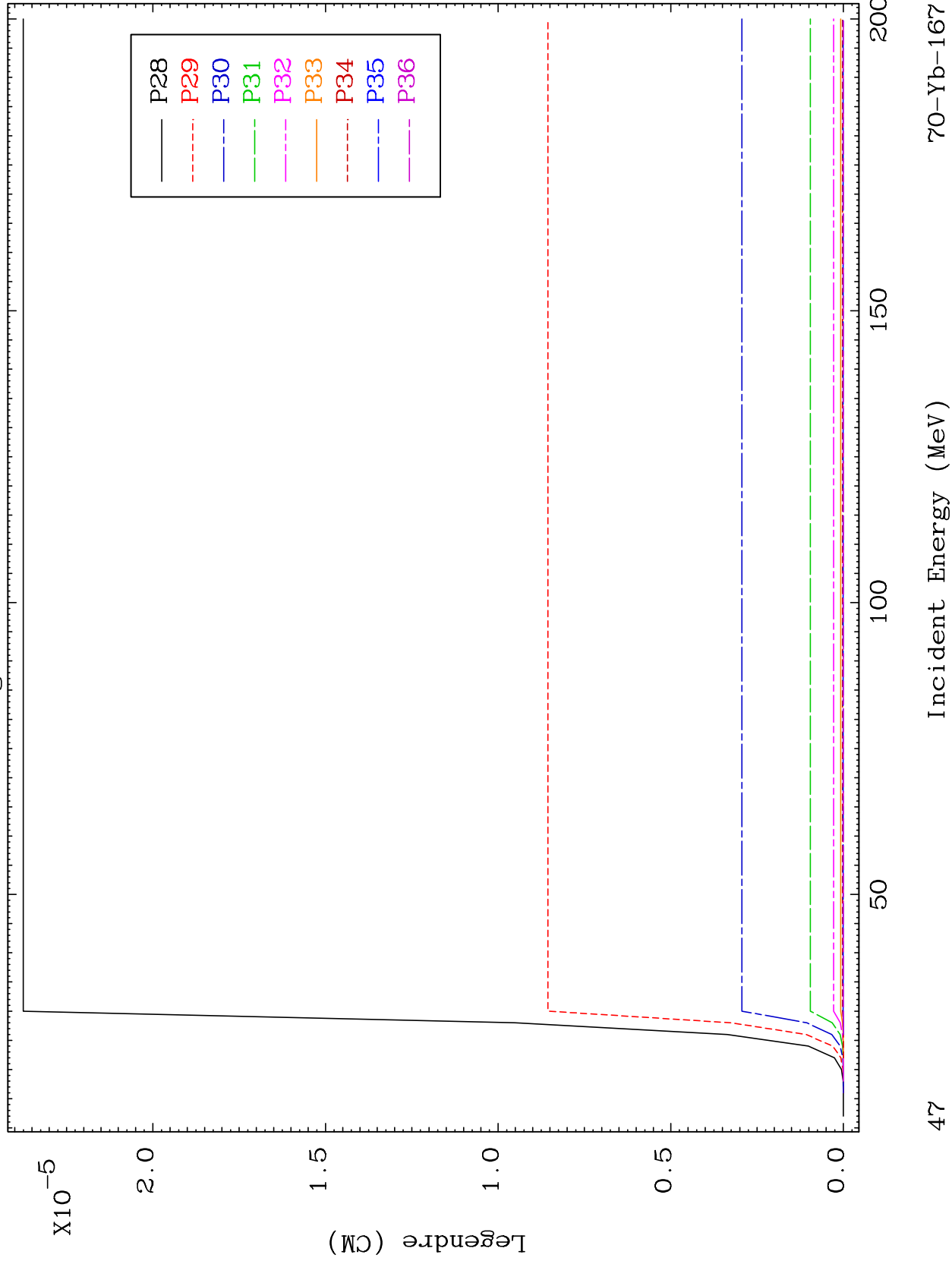
70-Yb-167

Incident Energy (MeV)

MAT 7022

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

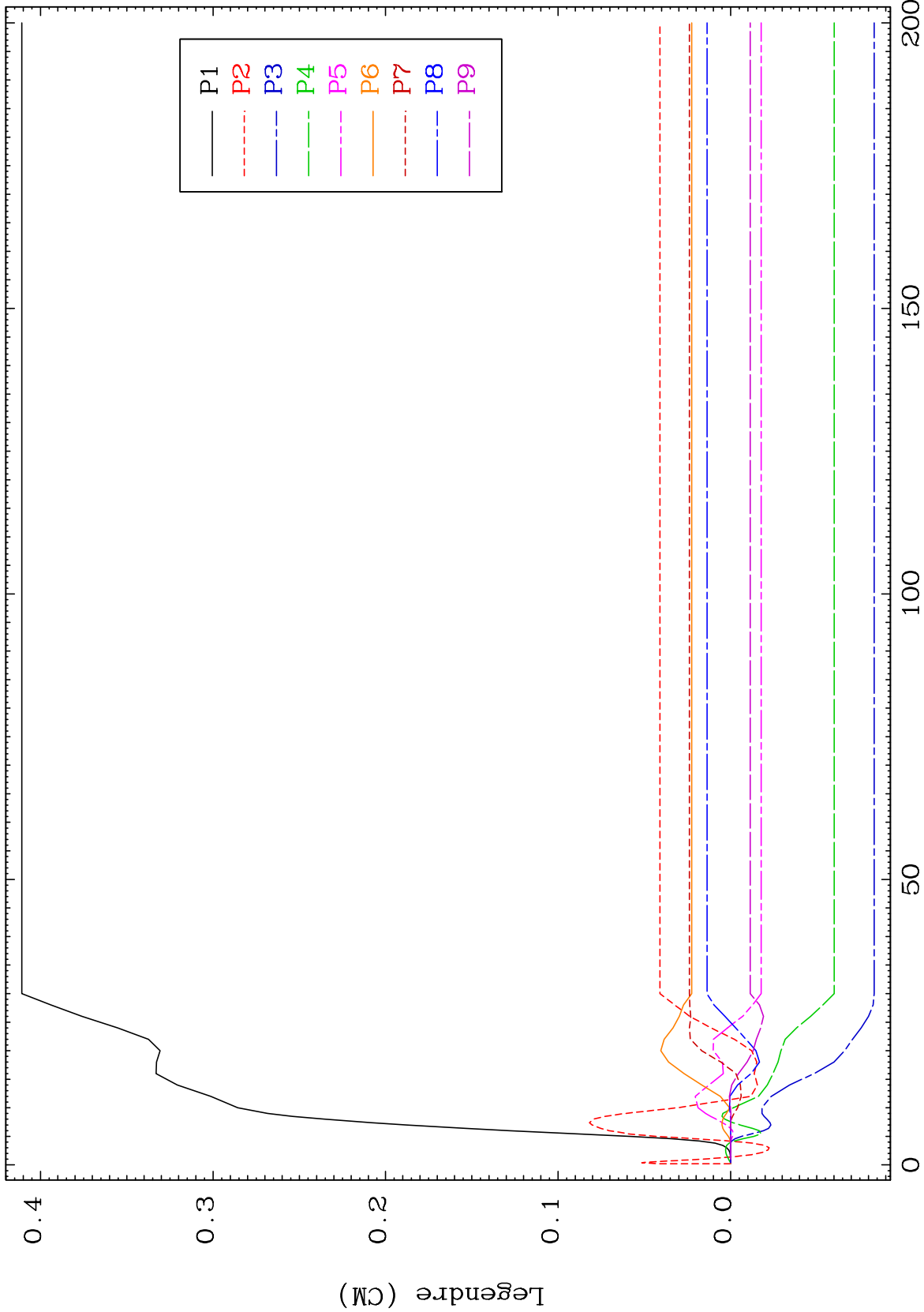
70-Yb-167



MAT 7022

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

70-Yb-167



48

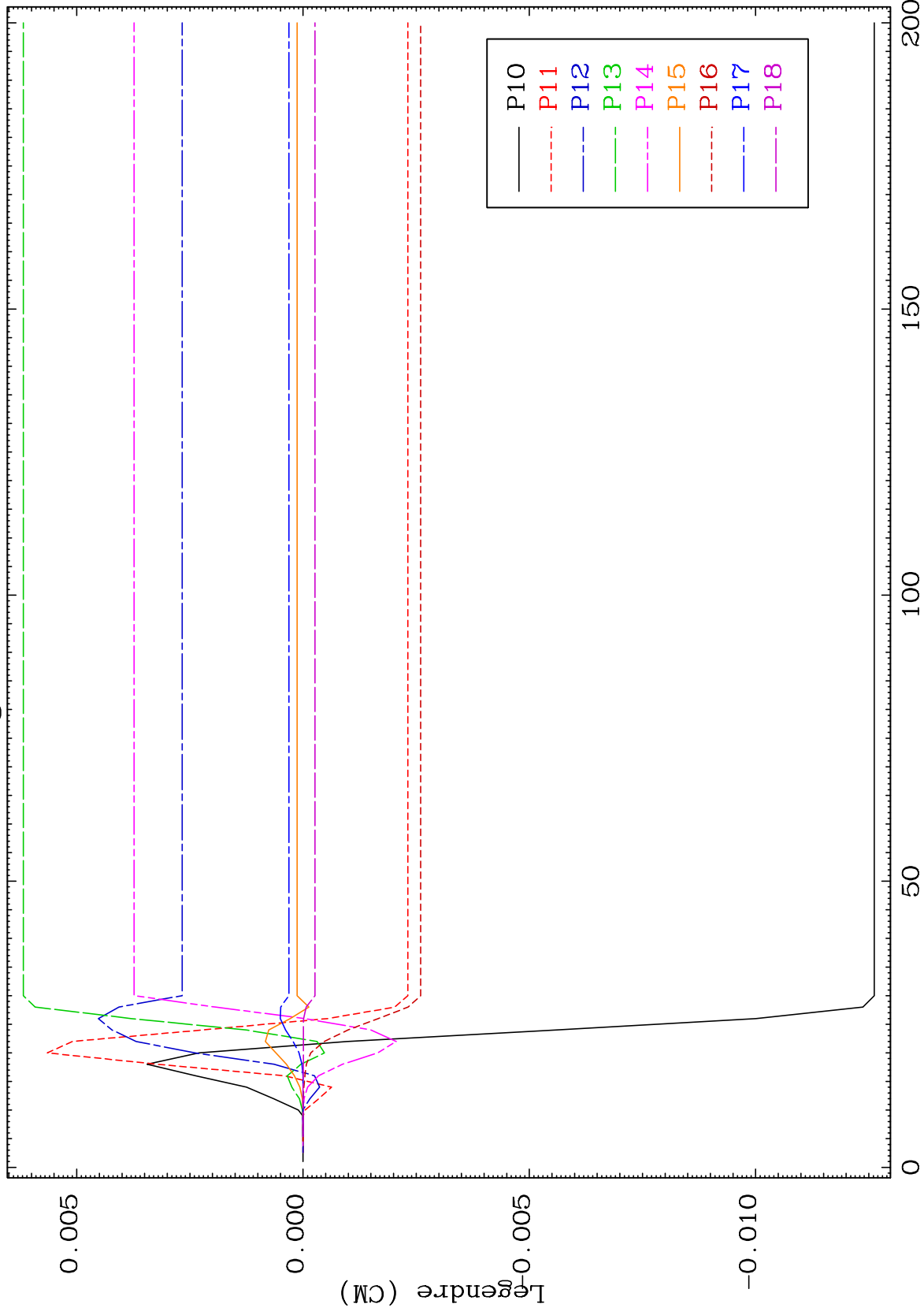
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

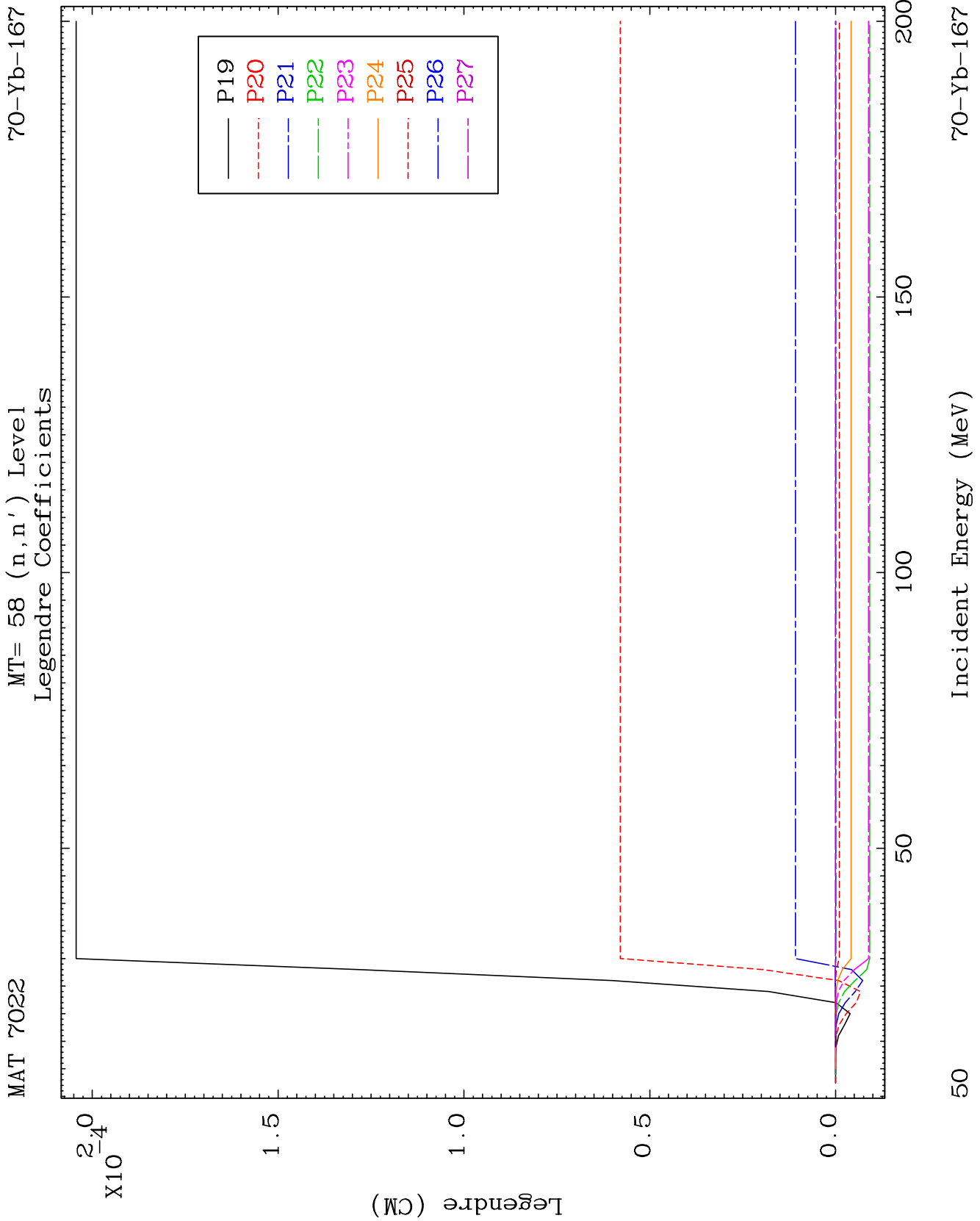
70-Yb-167

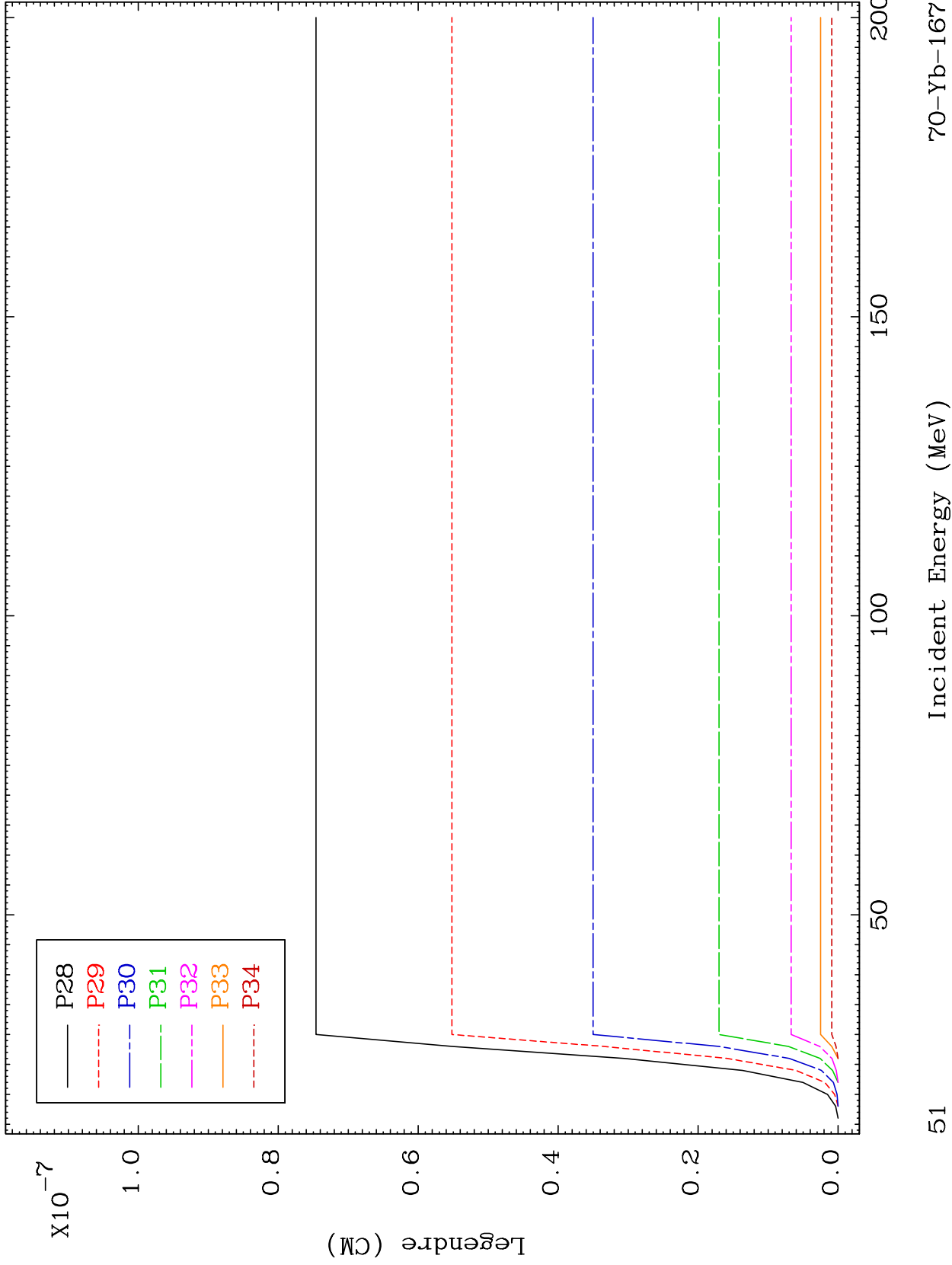


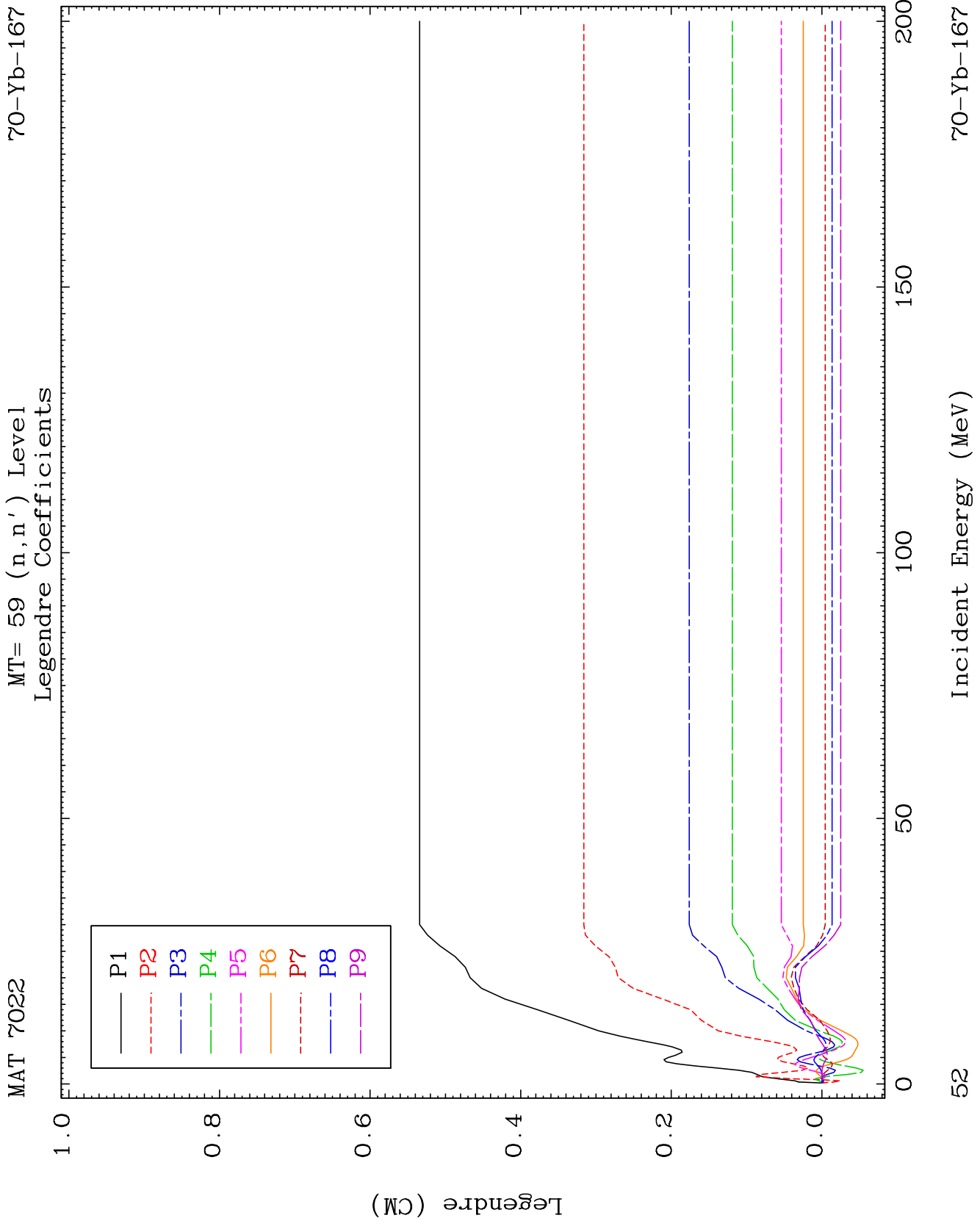
49

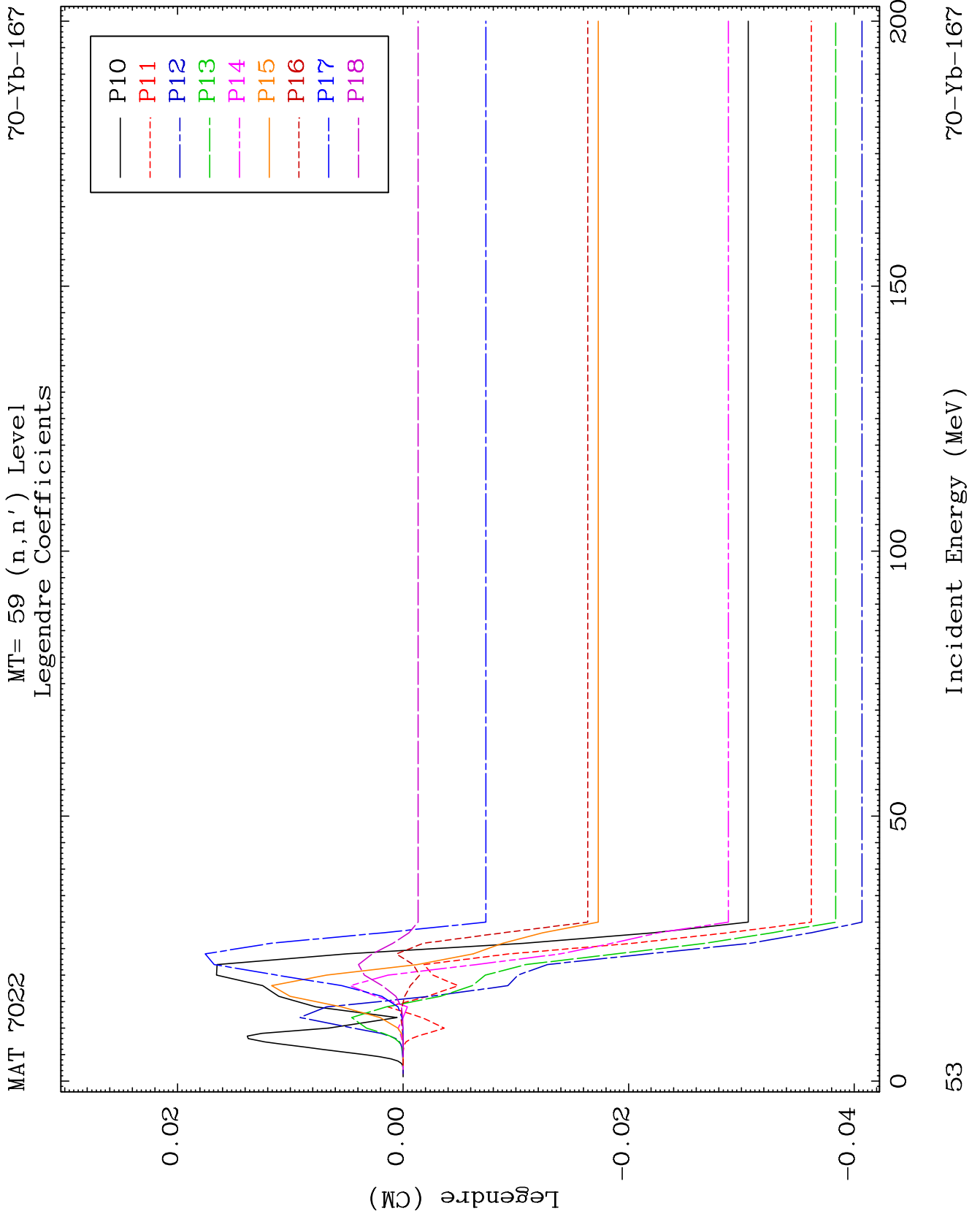
Incident Energy (MeV)

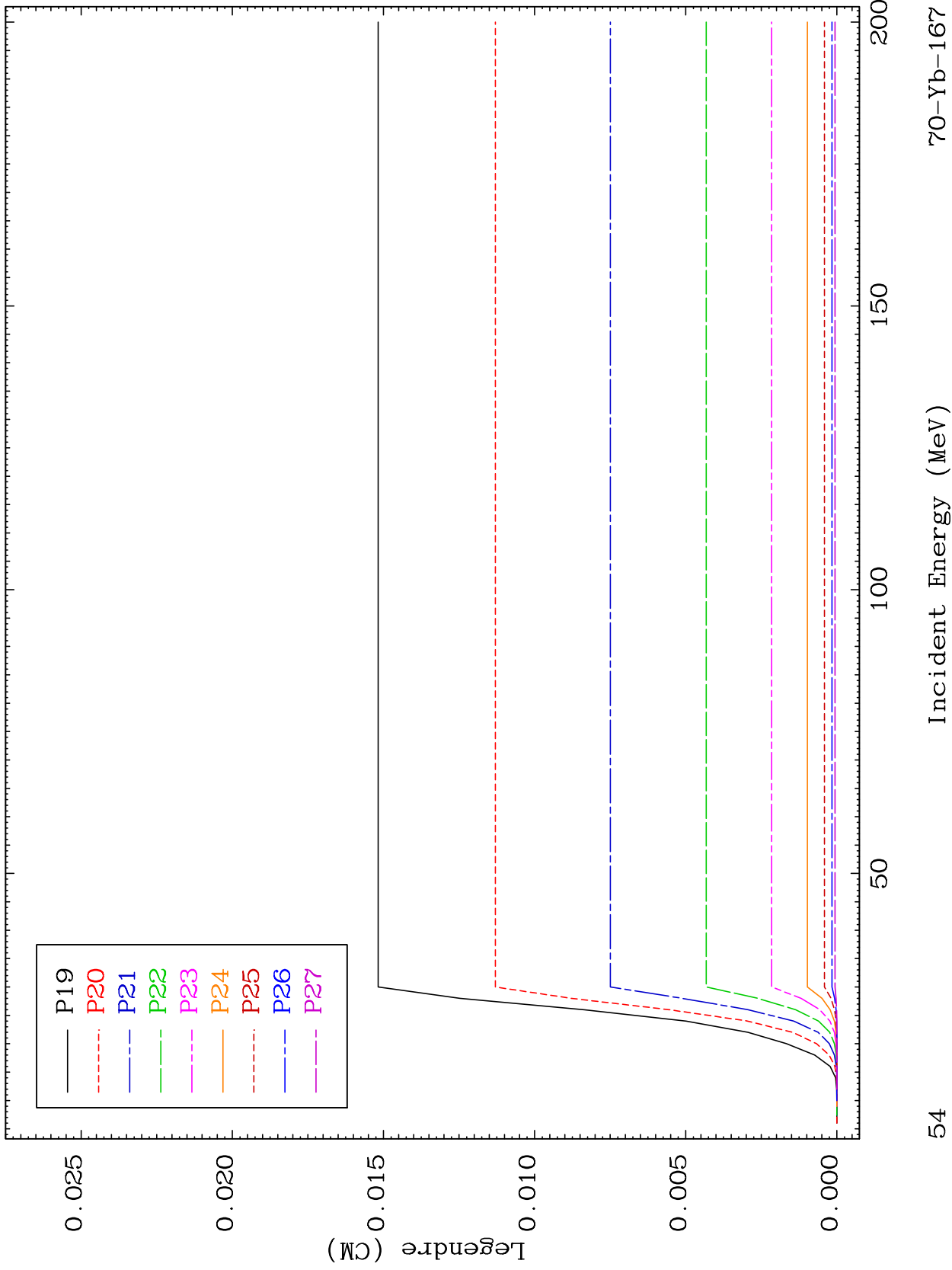
70-Yb-167







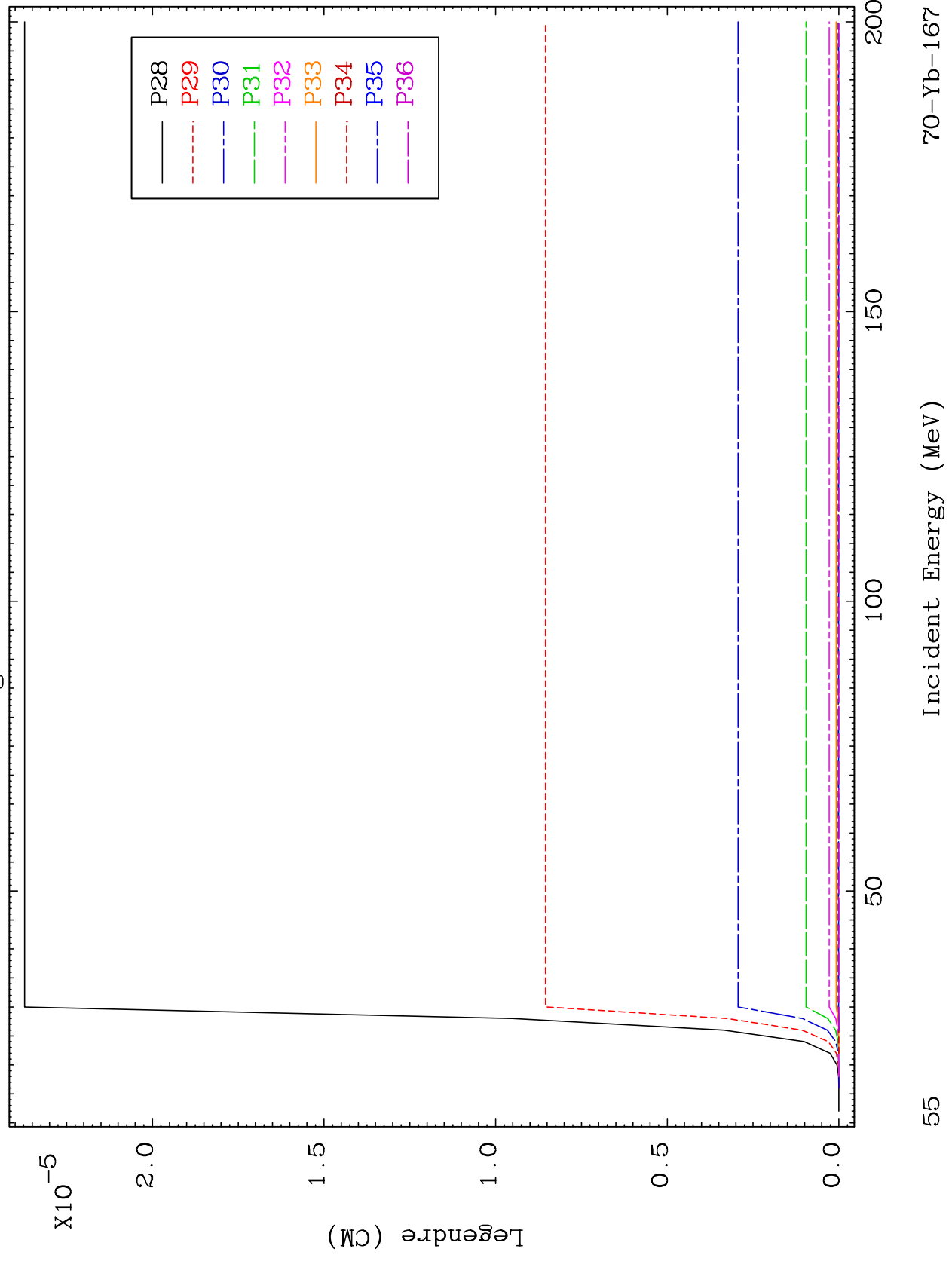




MAT 7022

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

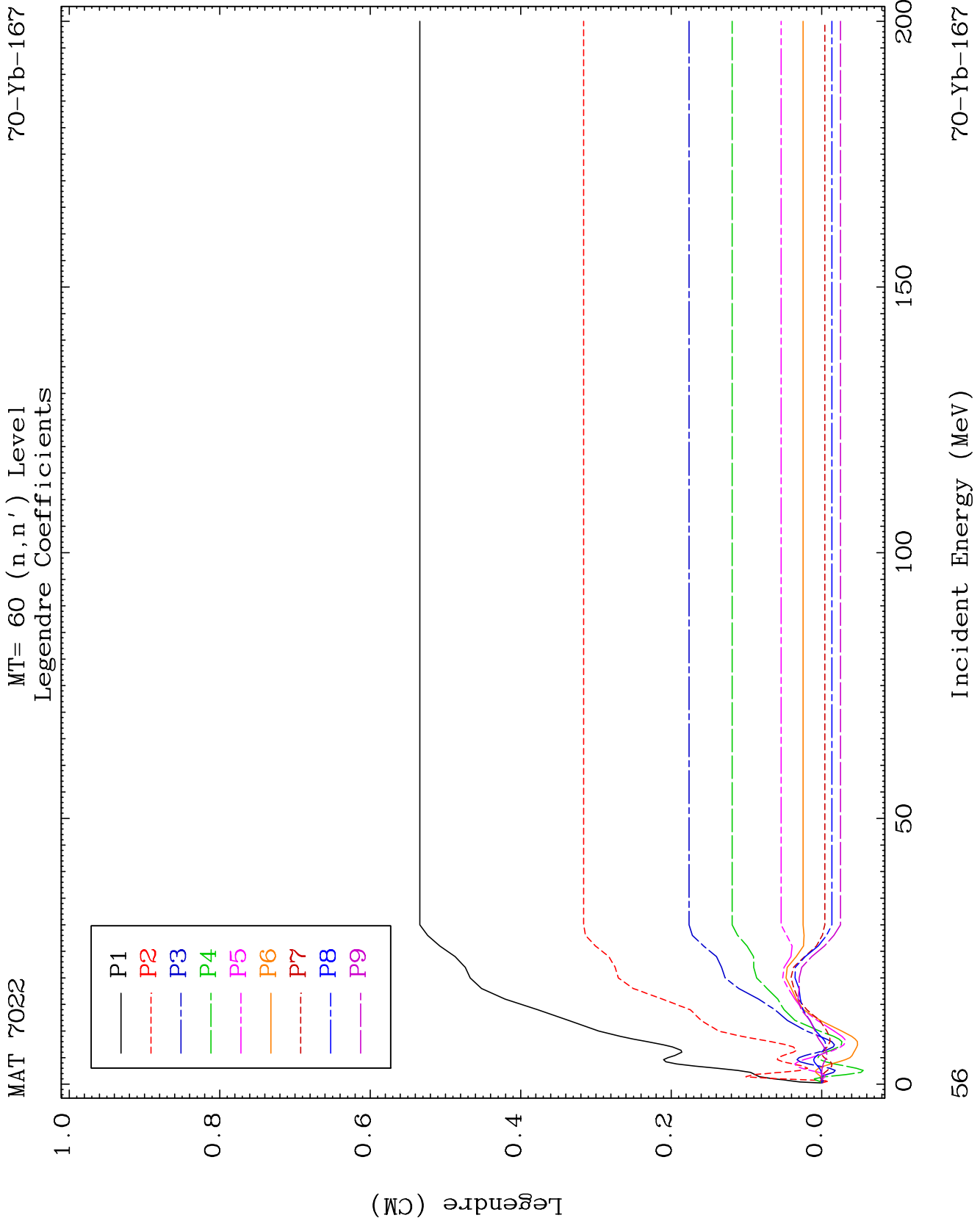
70-Yb-167

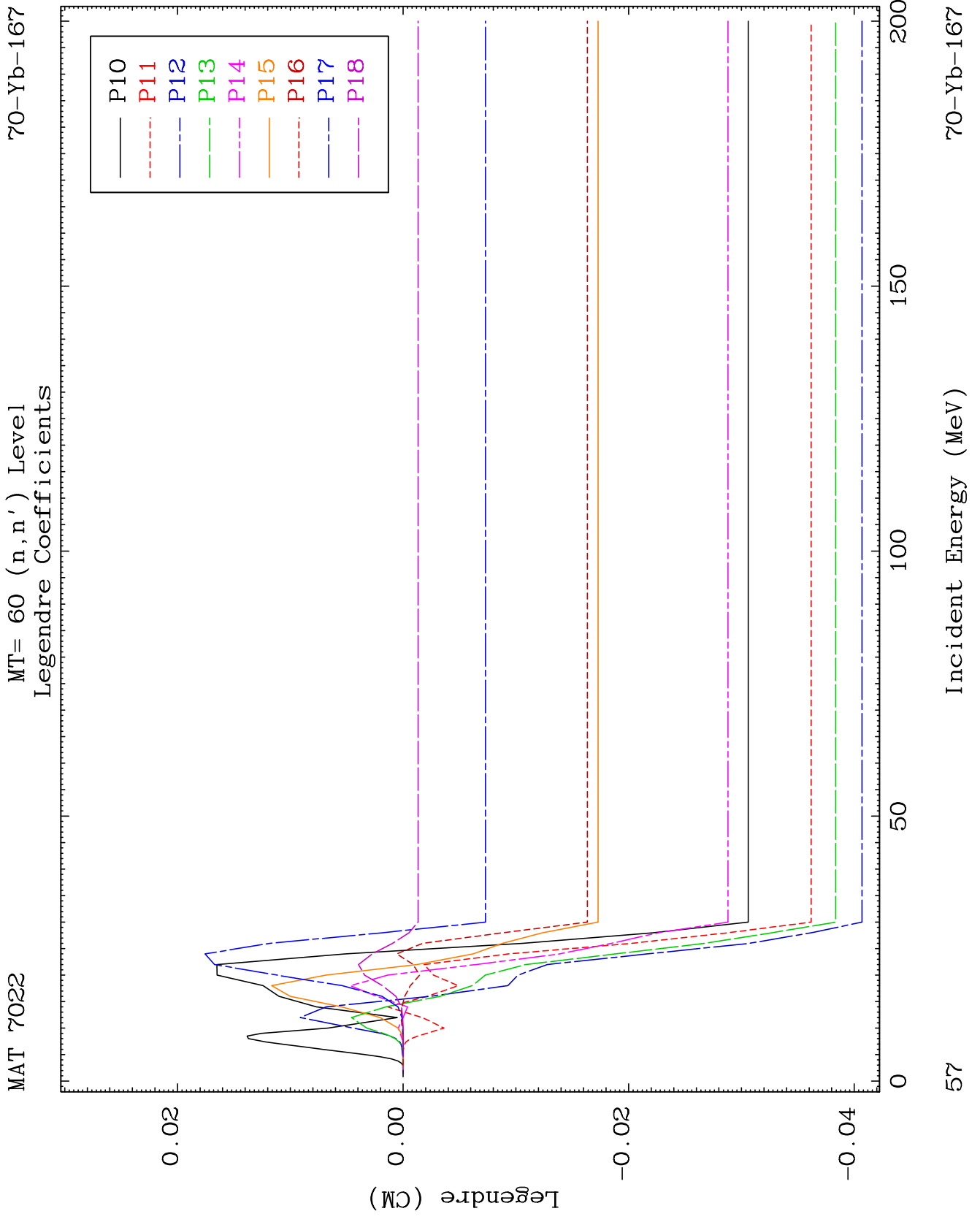


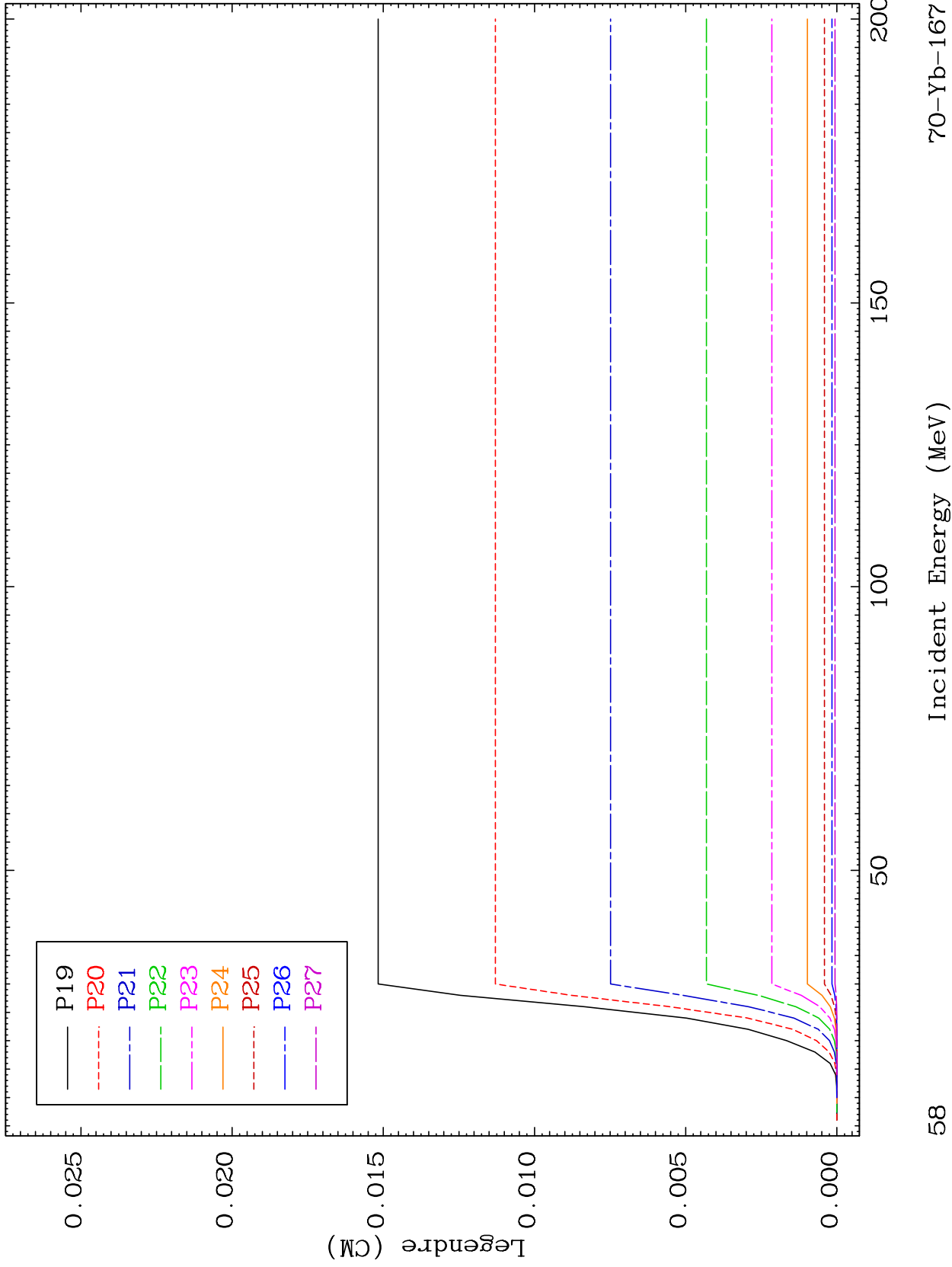
70-Yb-167

Incident Energy (MeV)

55



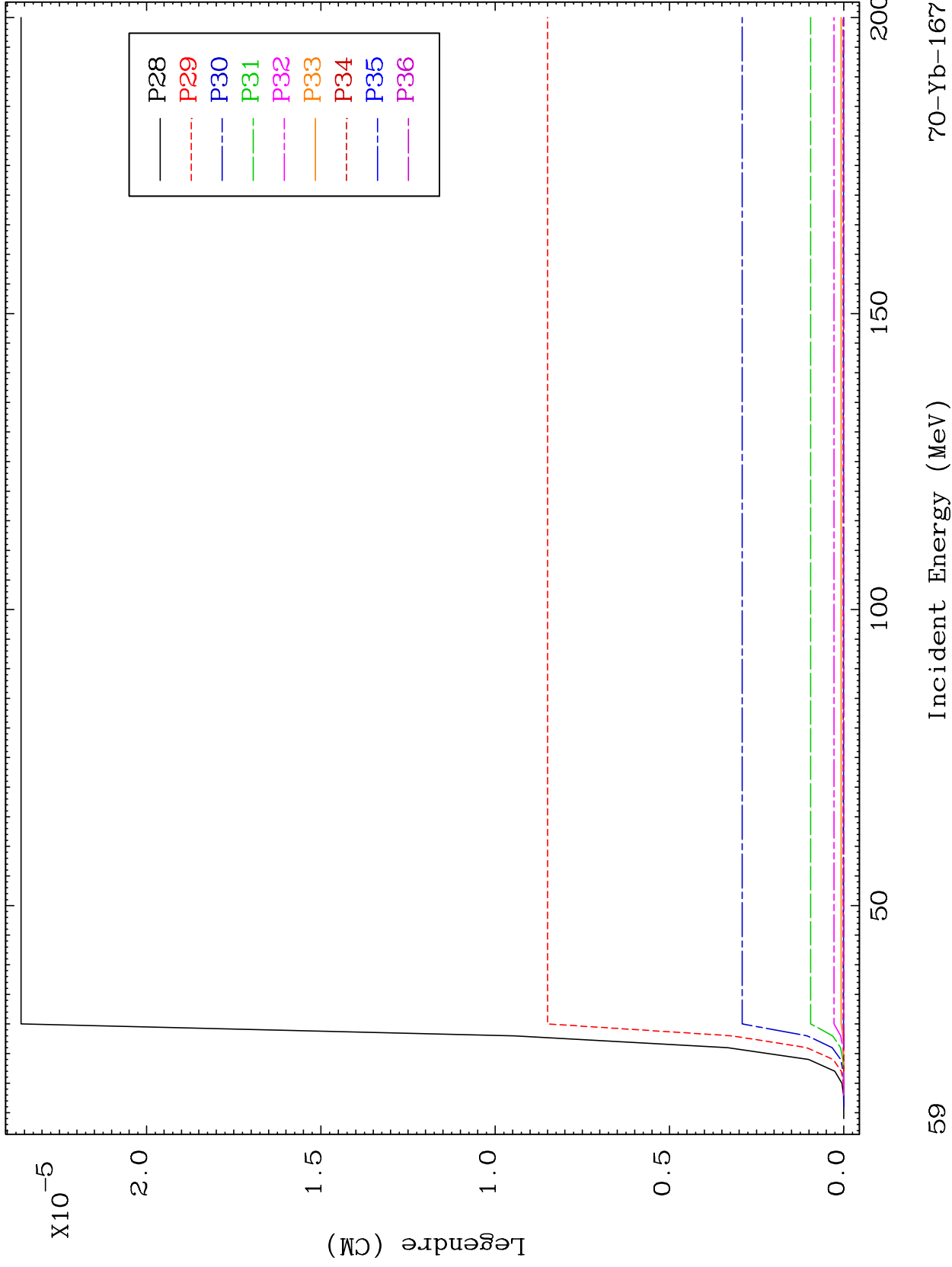




MAT 7022

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

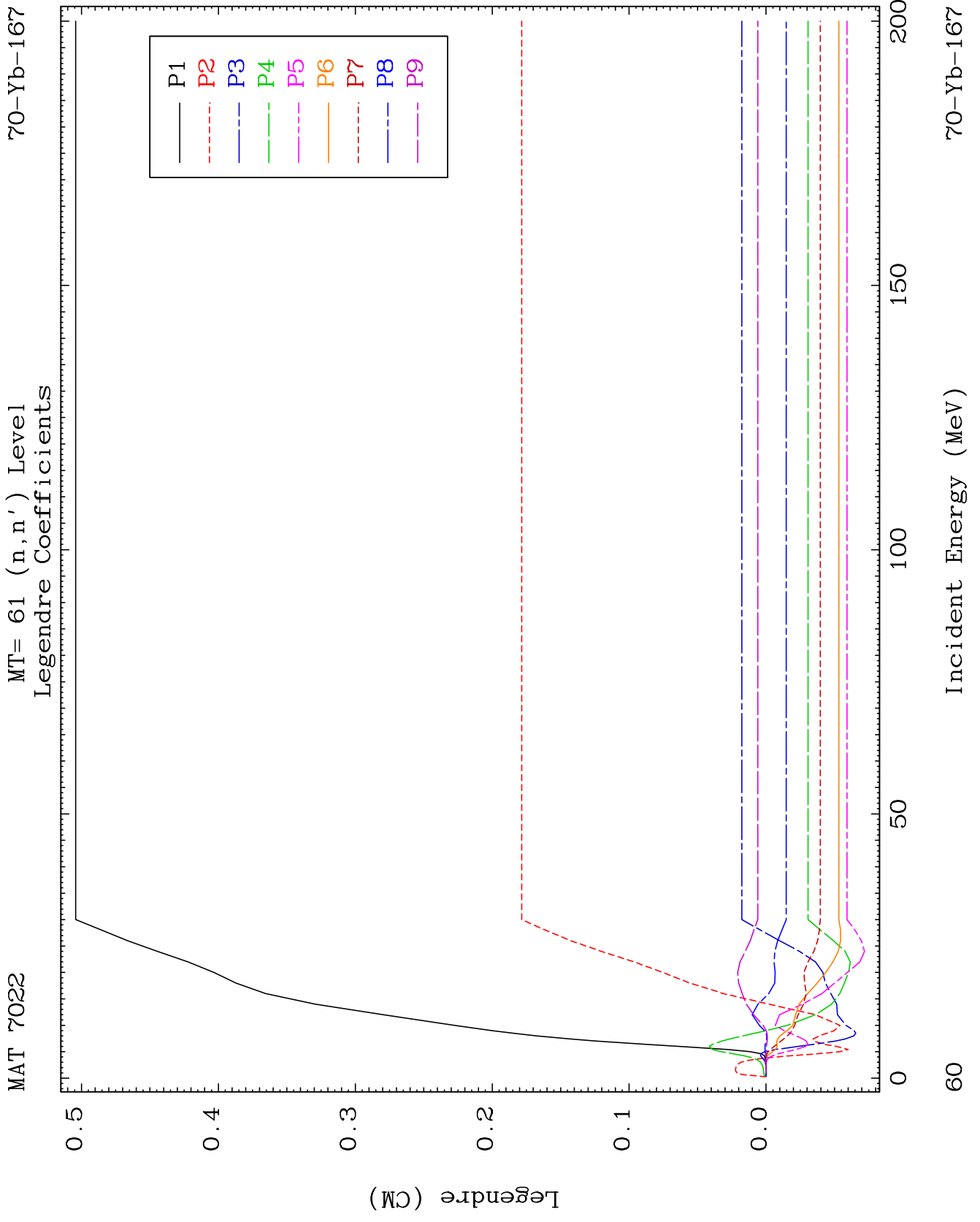
70-Yb-167



59

Incident Energy (MeV)

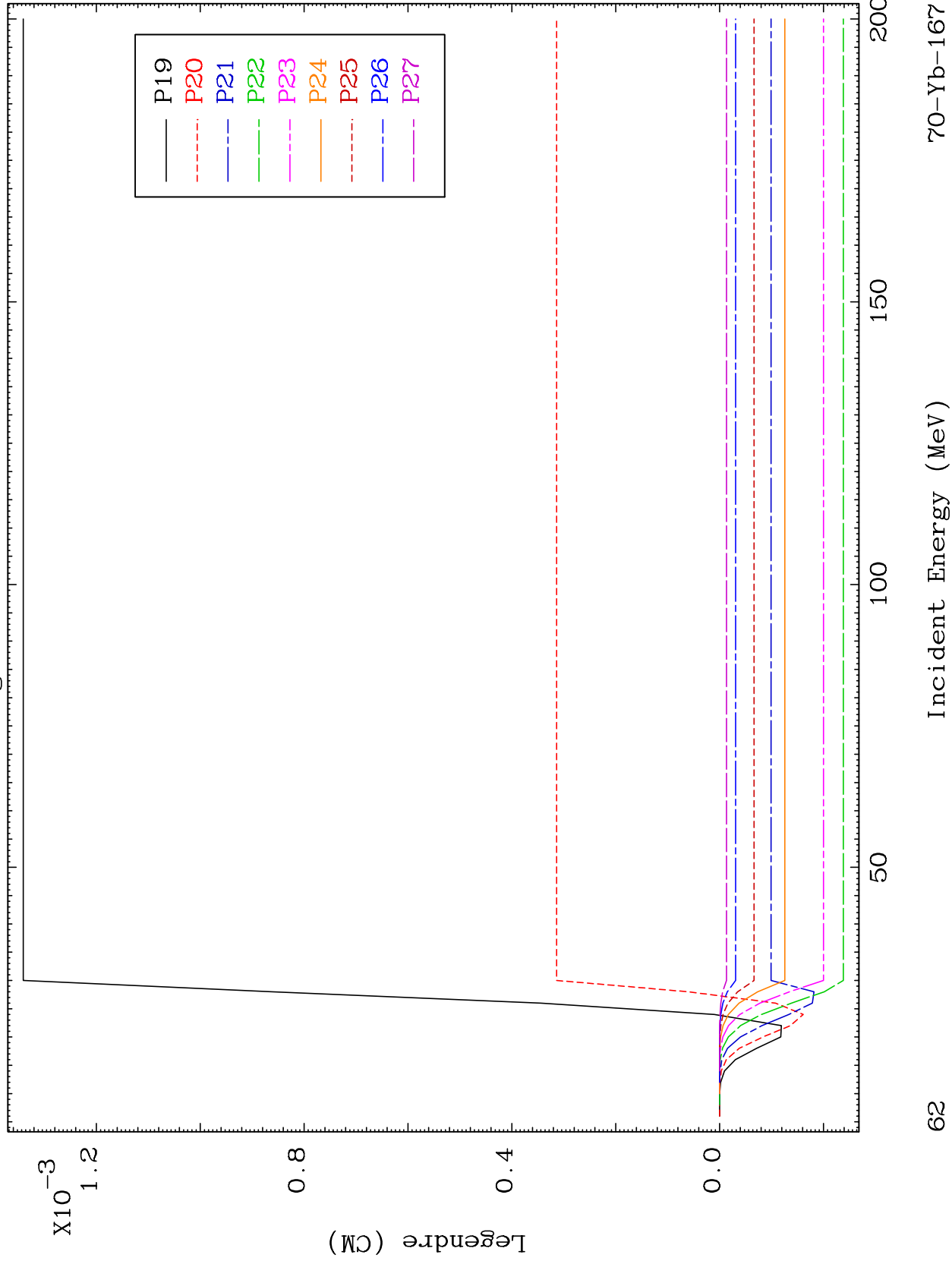
70-Yb-167

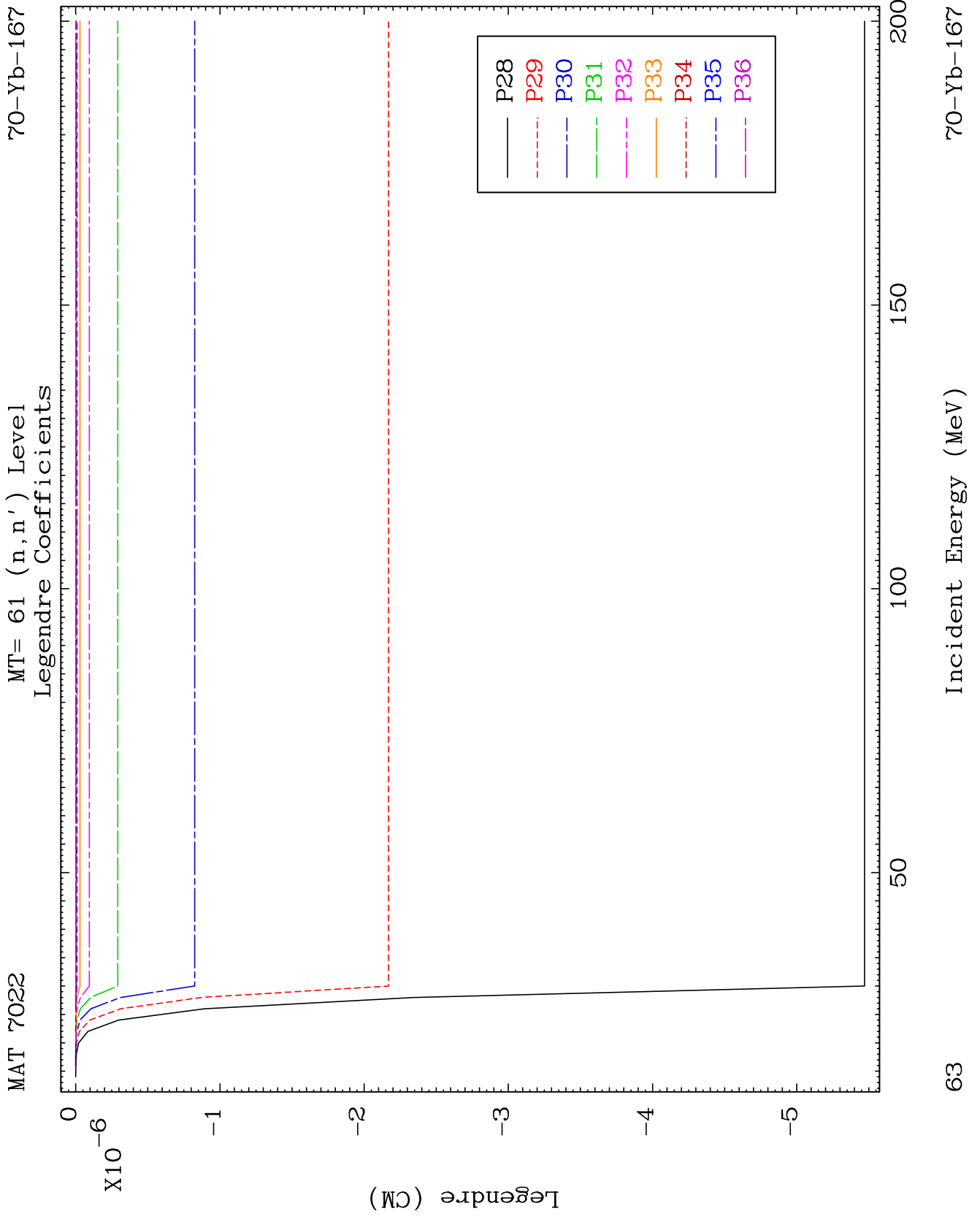


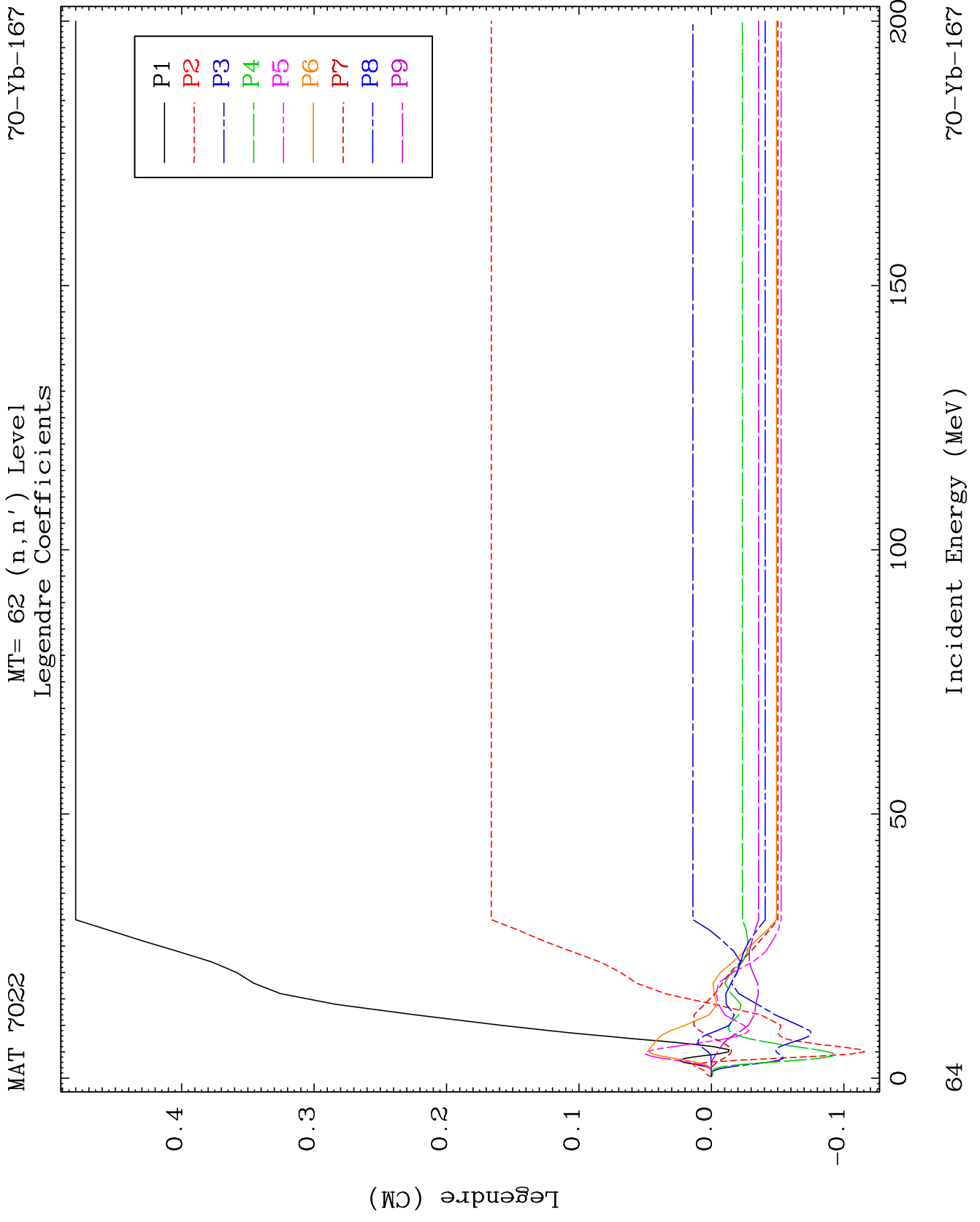
MAT 7022

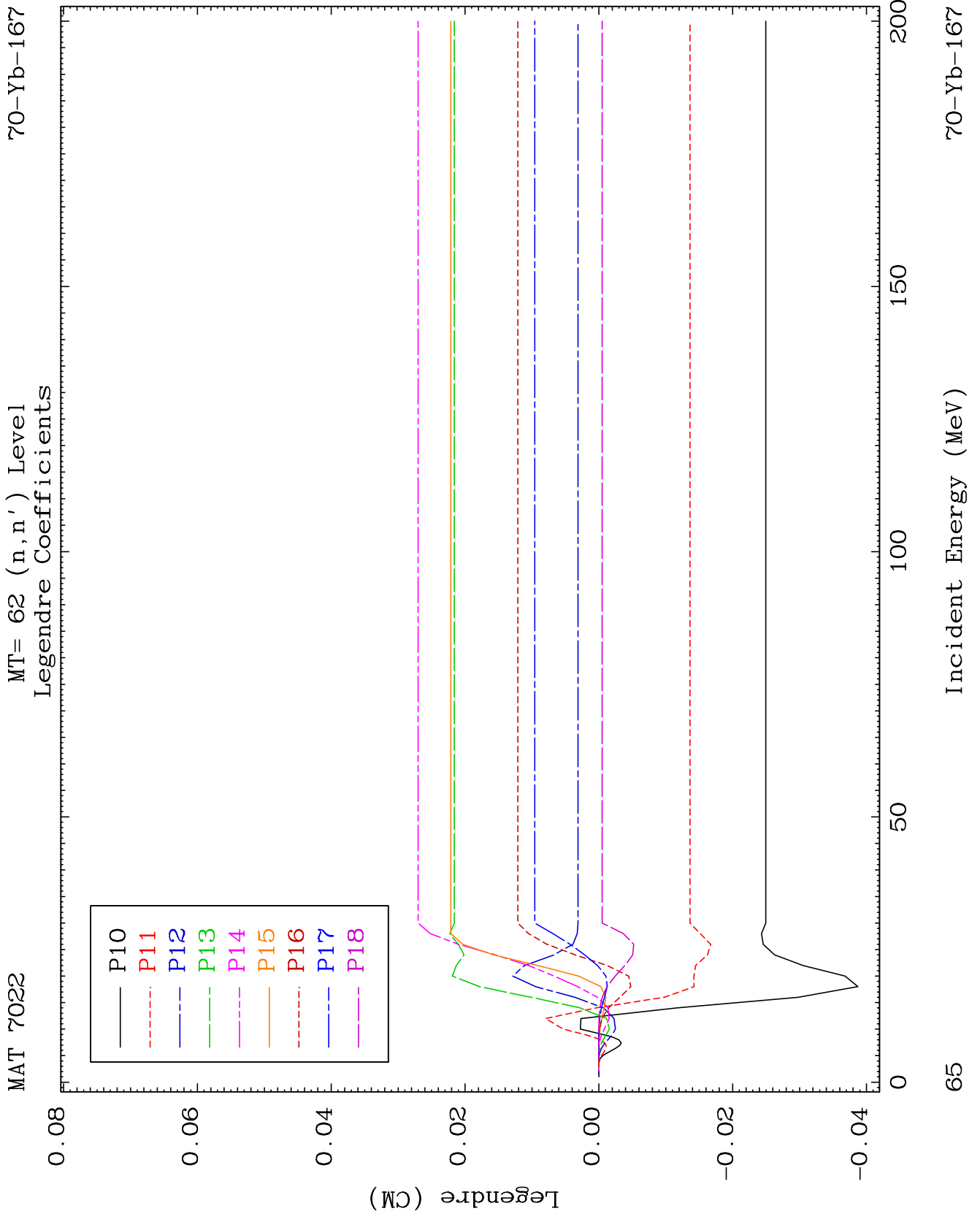
MT= 61 (n,n') Level
Legendre Coefficients

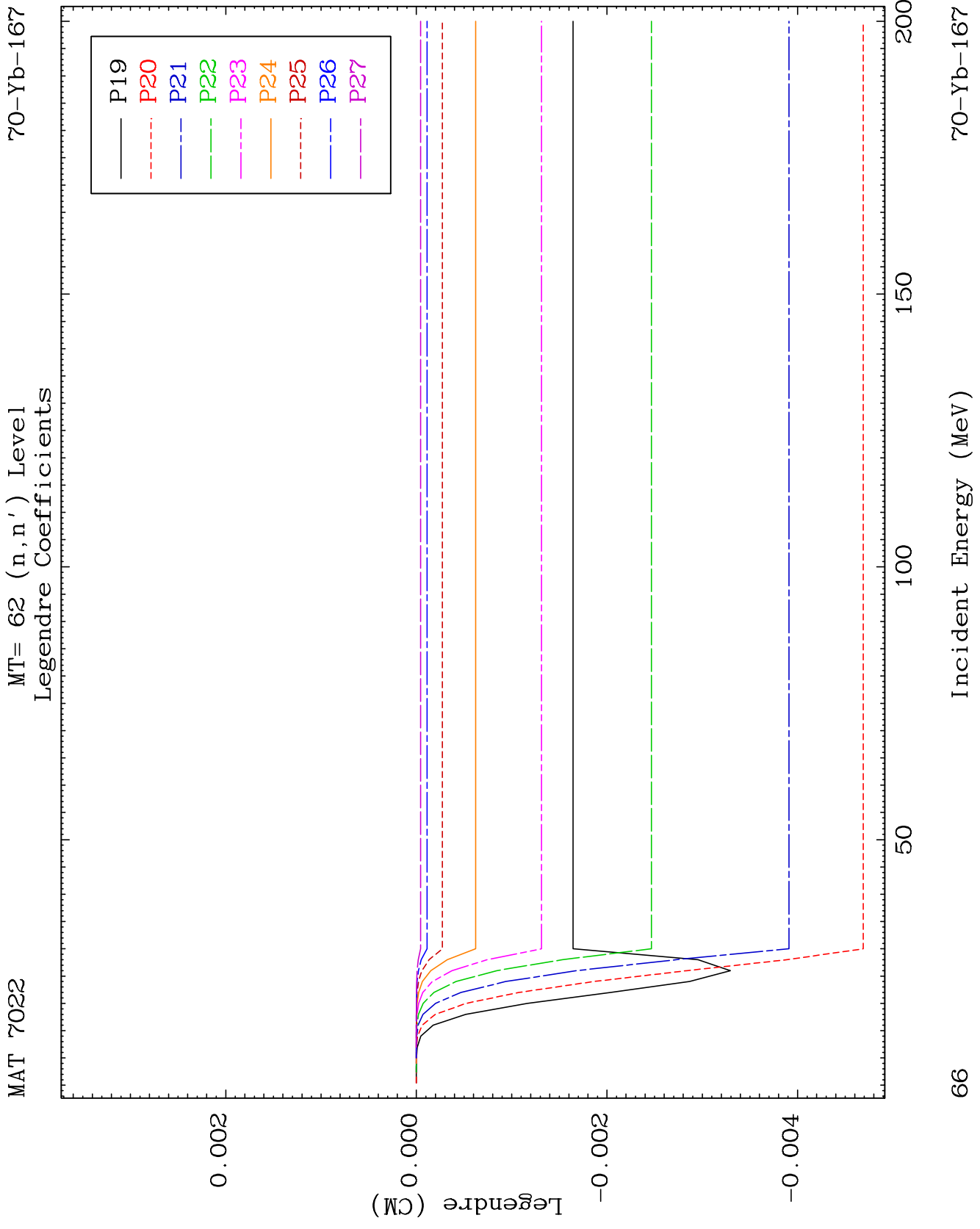
70-Yb-167

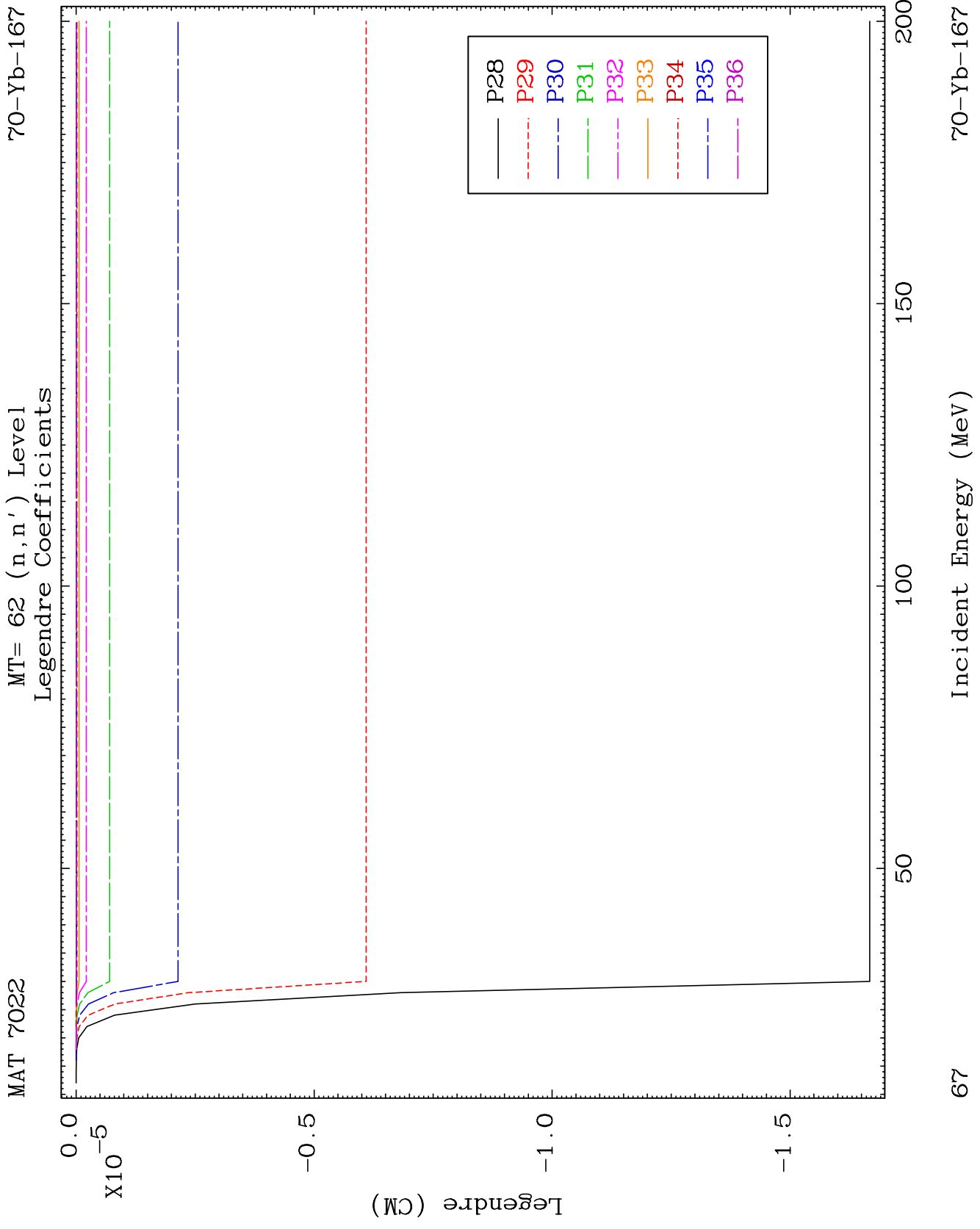


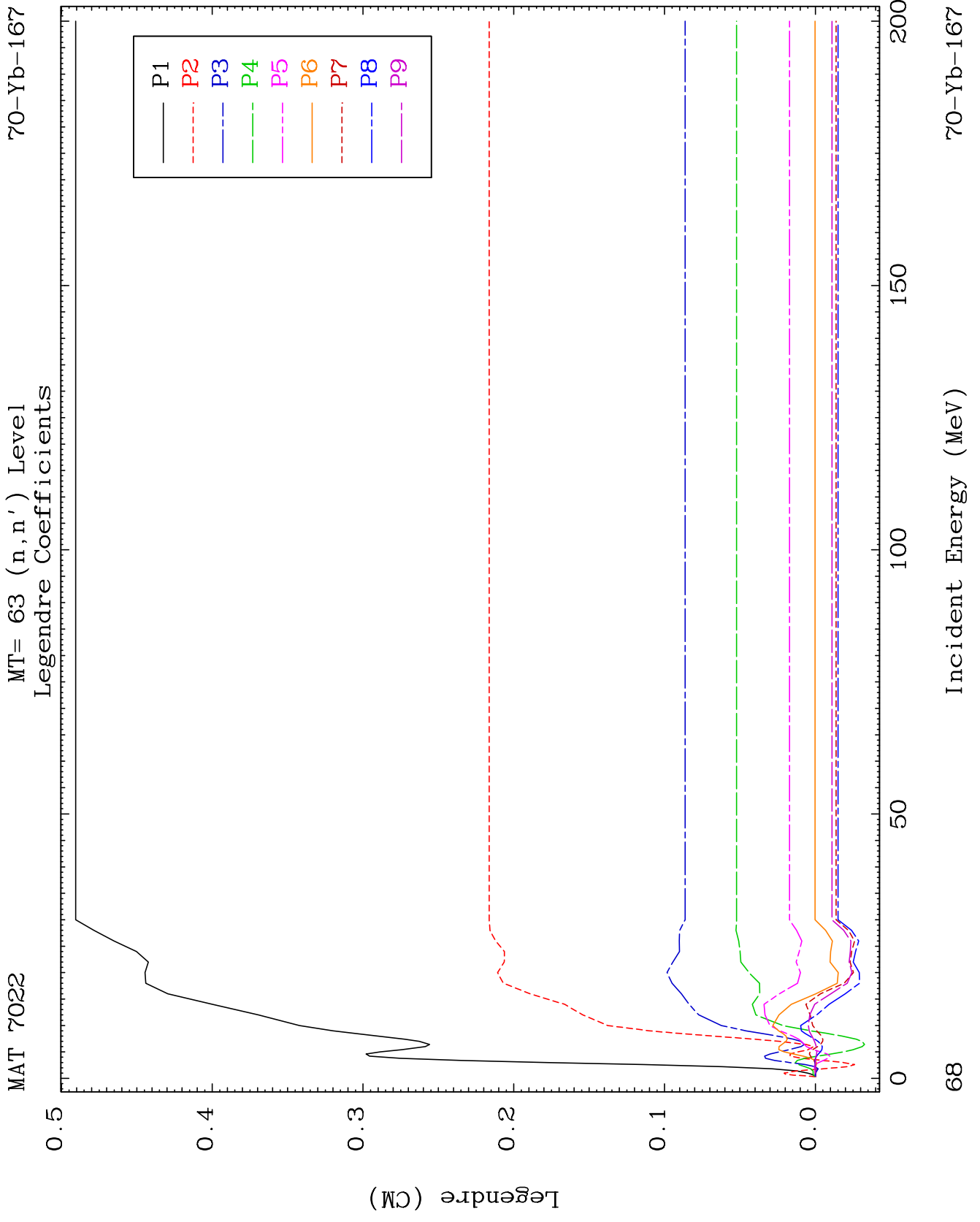








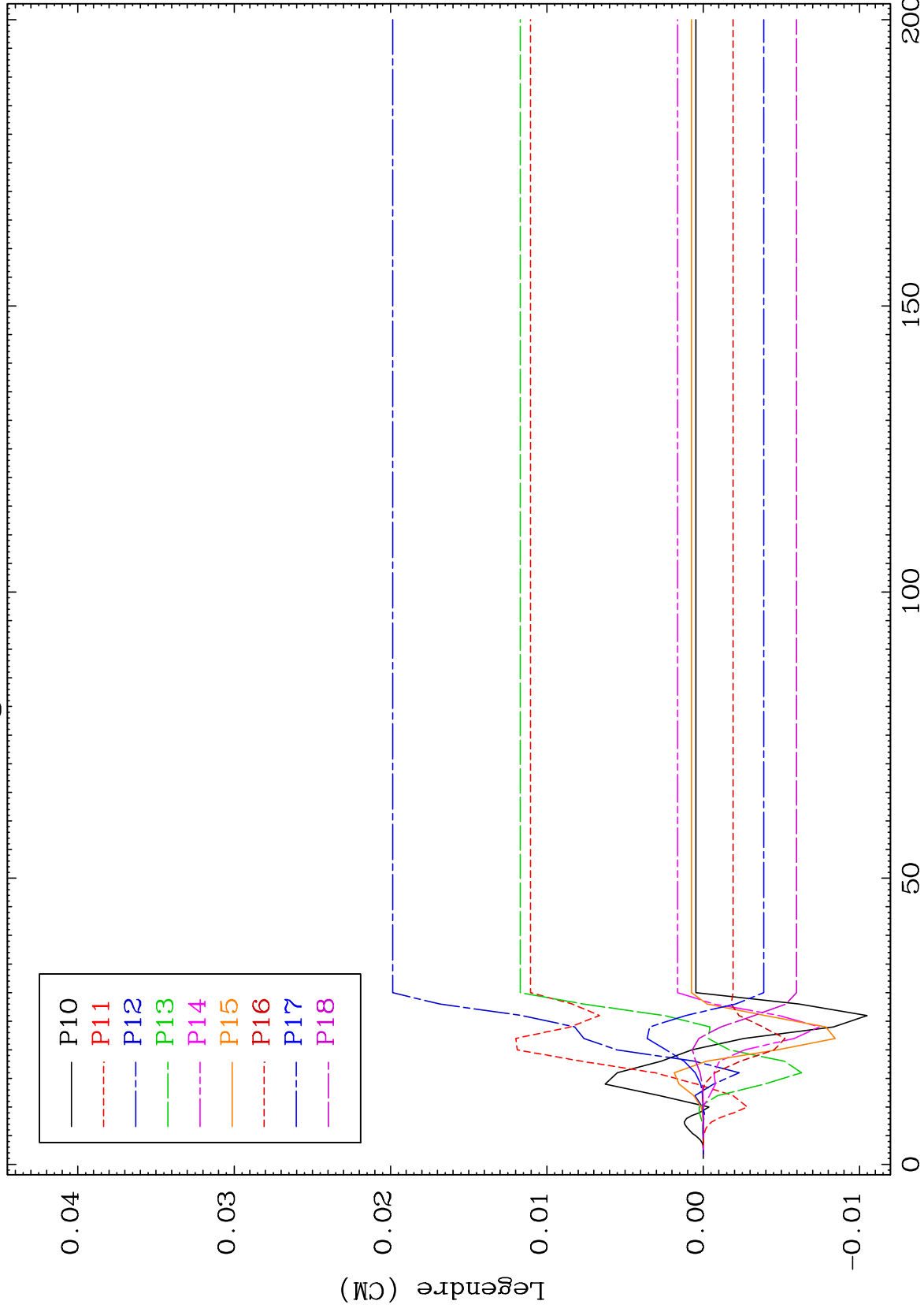




MAT 7022

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

70-Yb-167



69

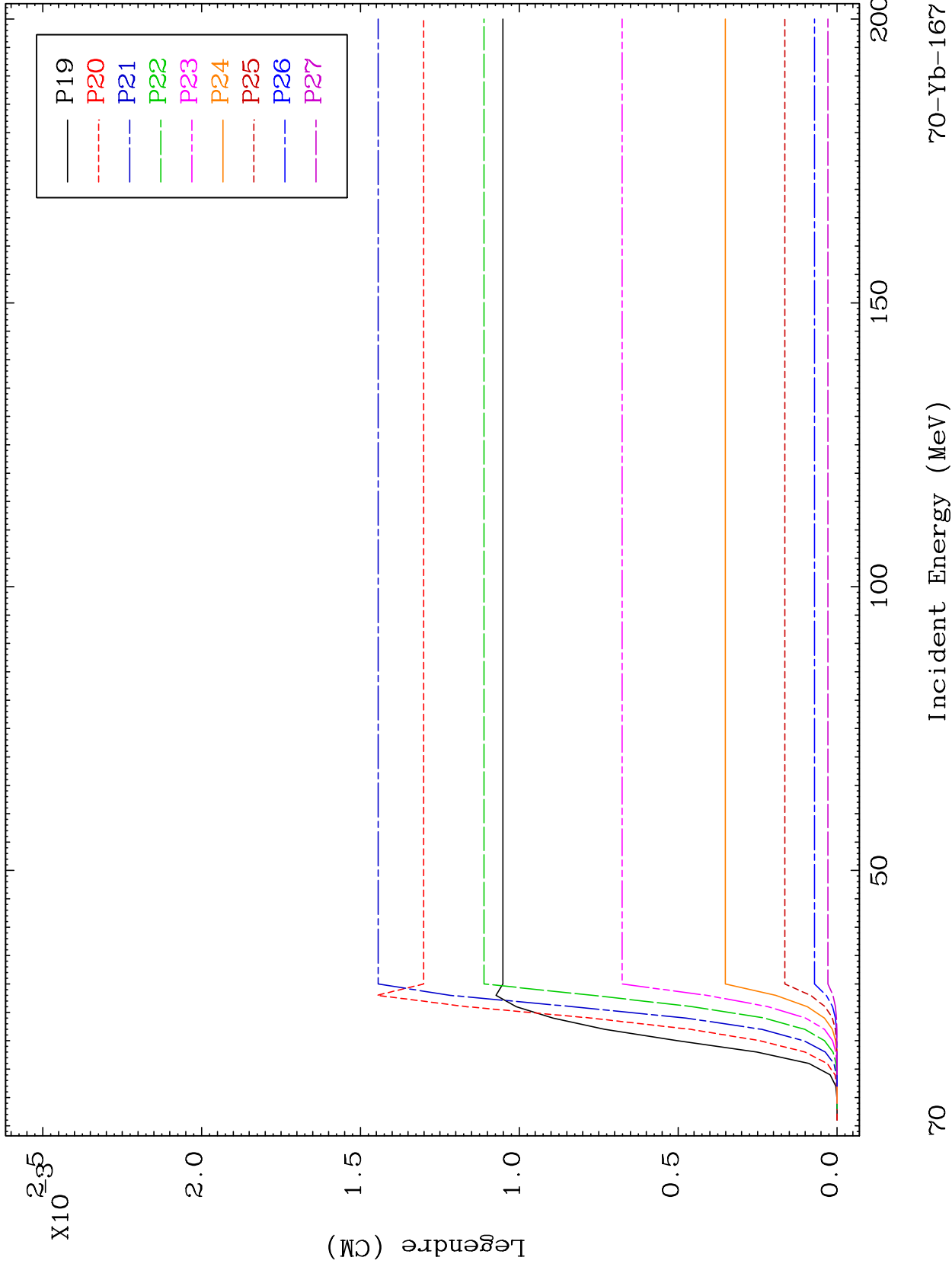
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



70

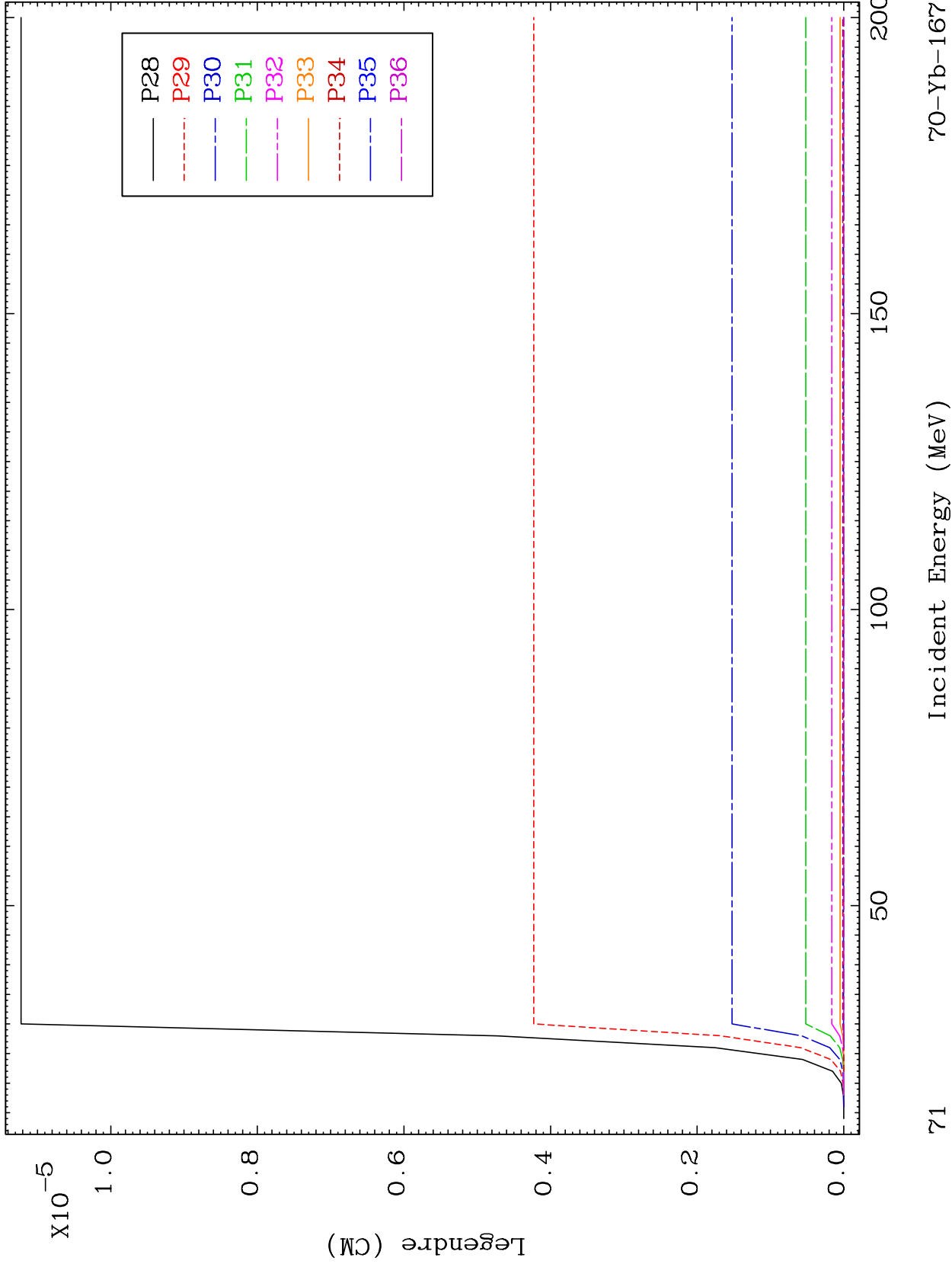
Incident Energy (MeV)

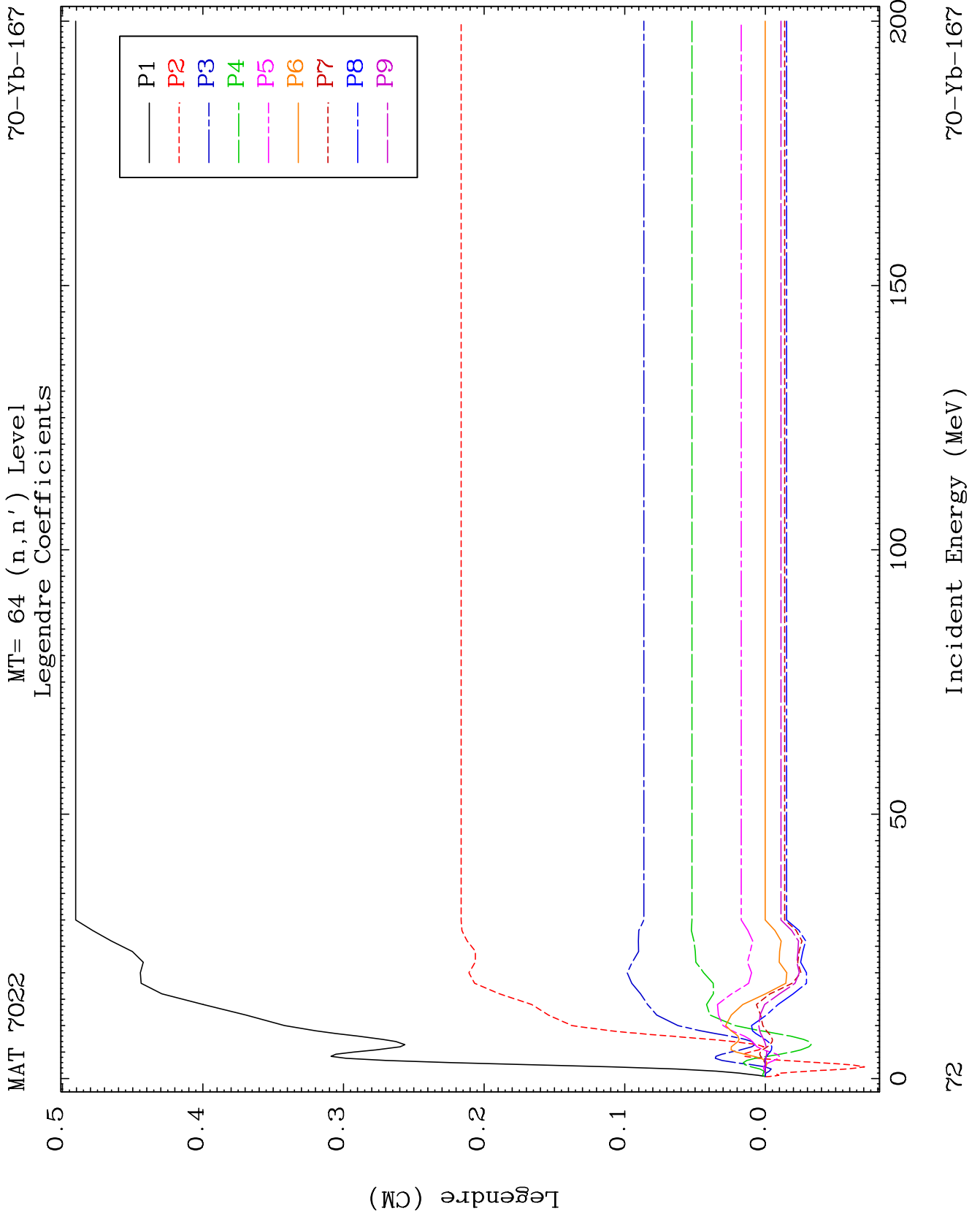
70-Yb-167

MAT 7022

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

70-Yb-167

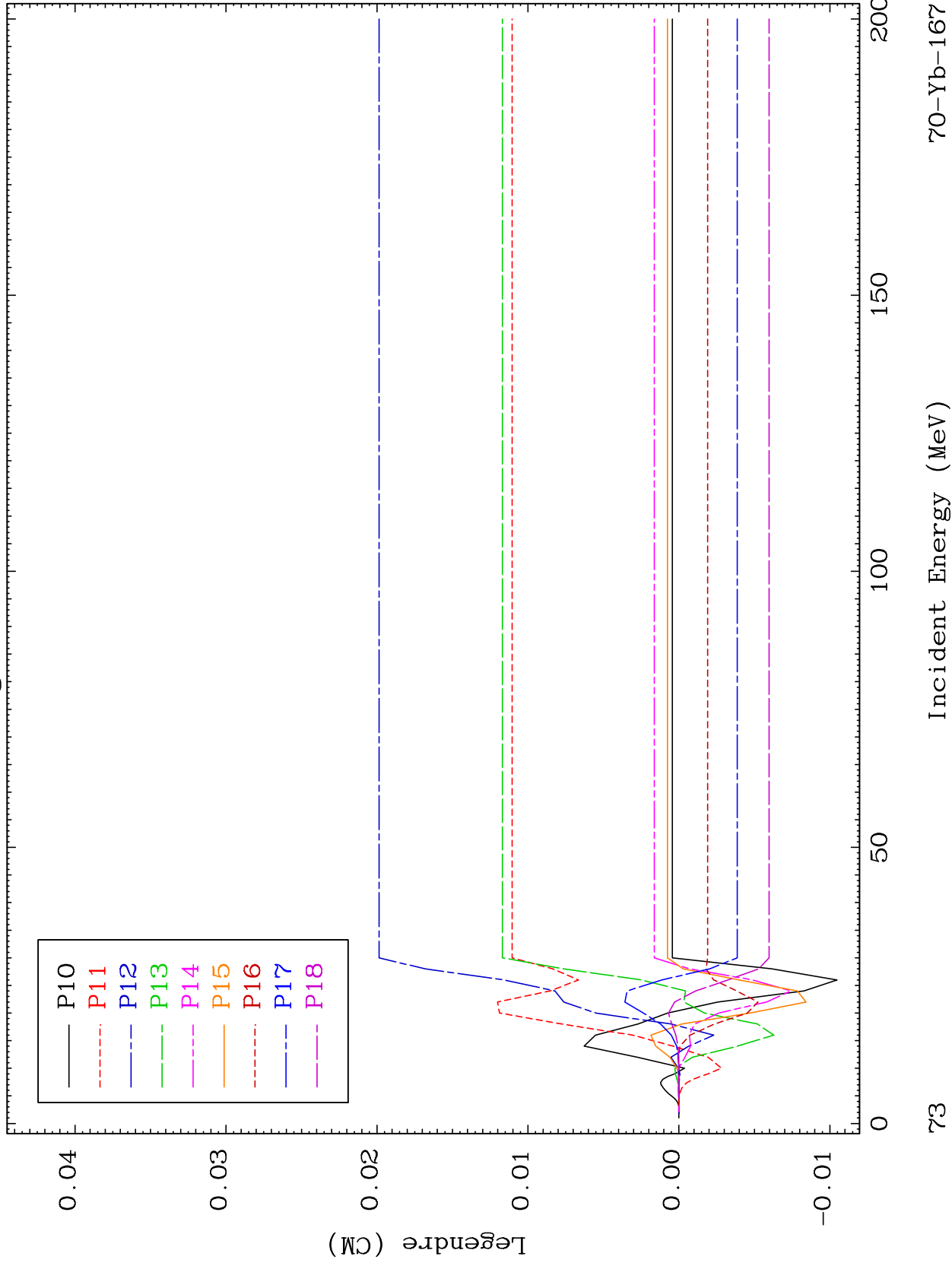




MAT 7022

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

70-Yb-167



73

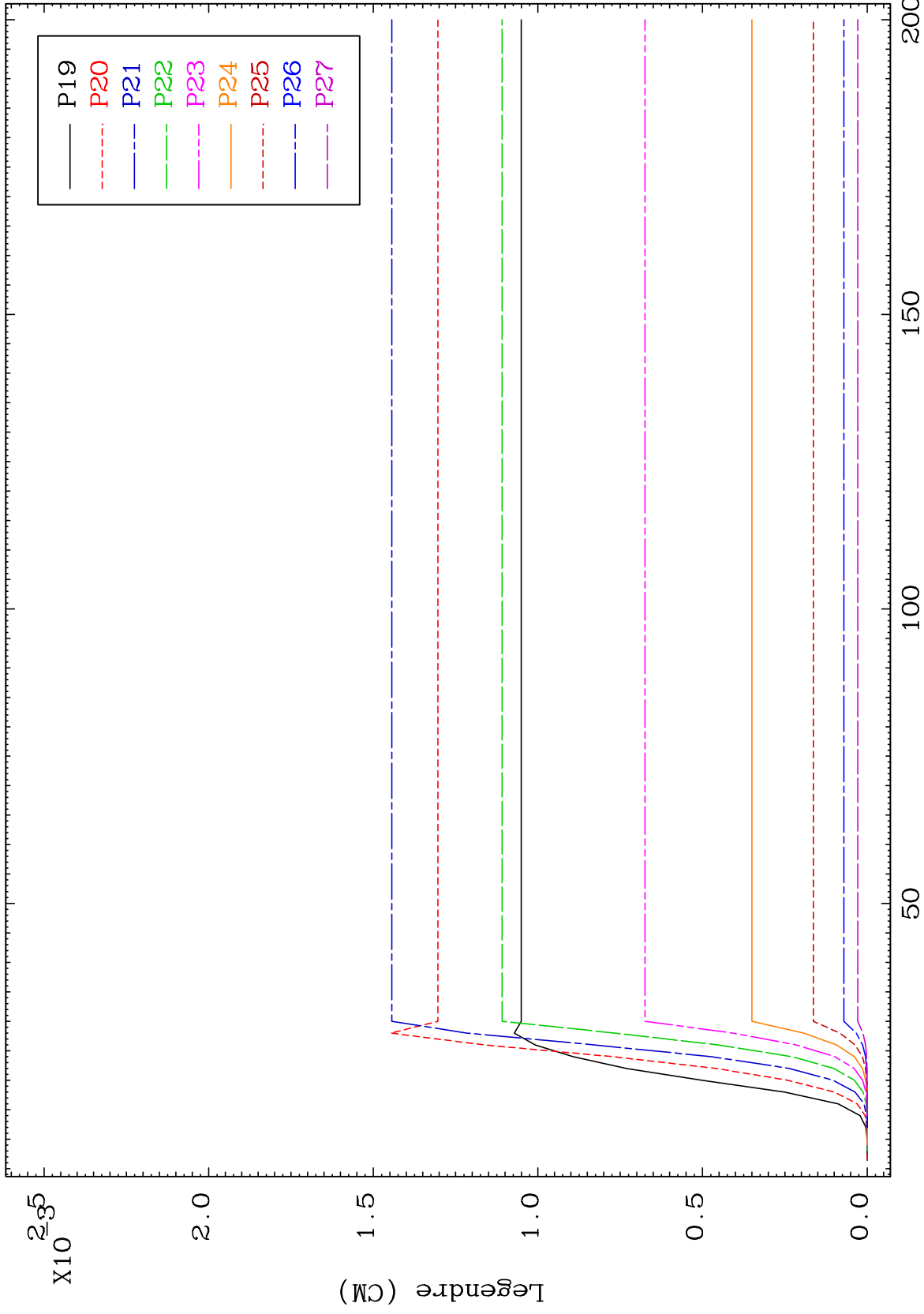
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



74

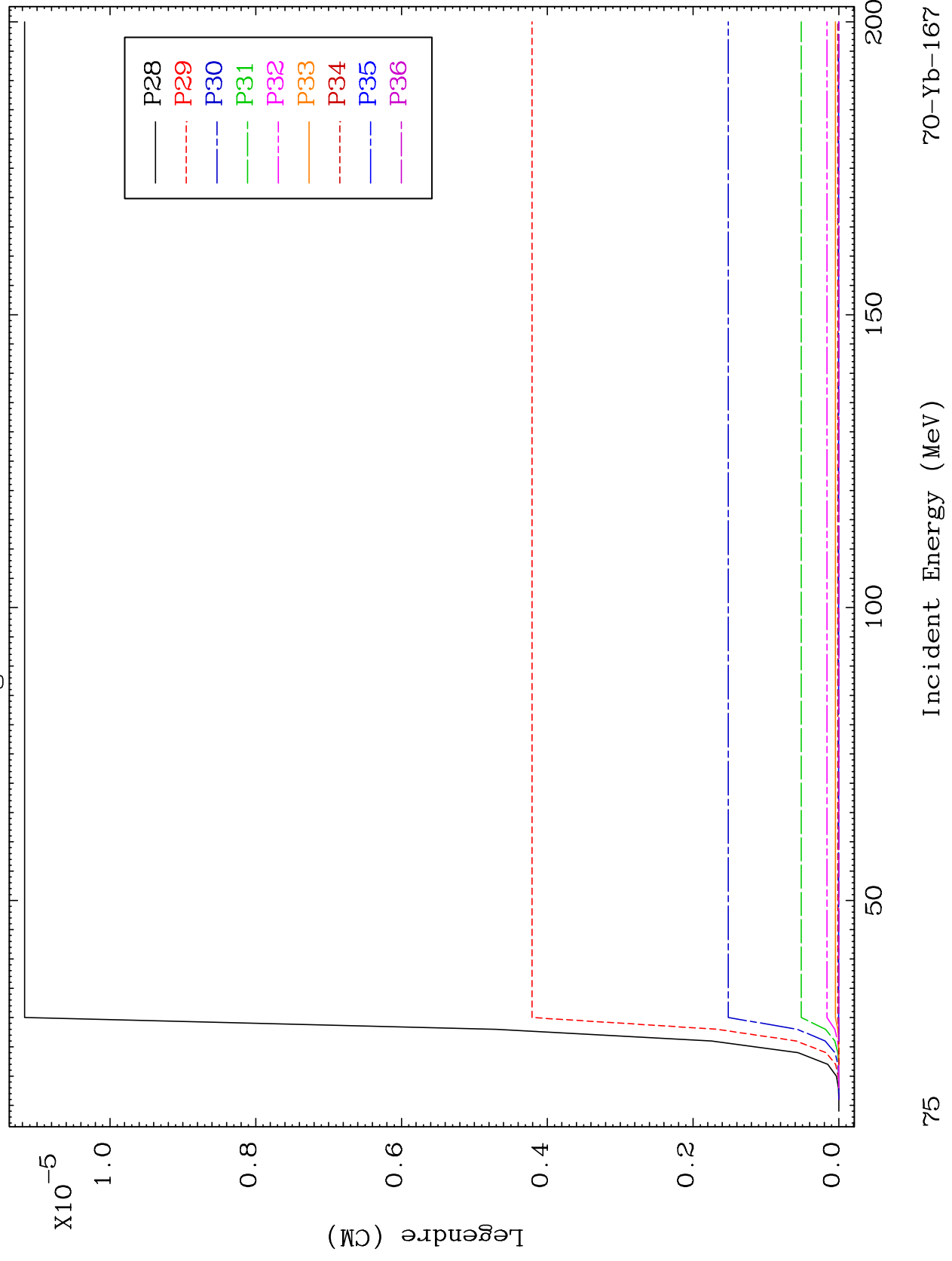
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

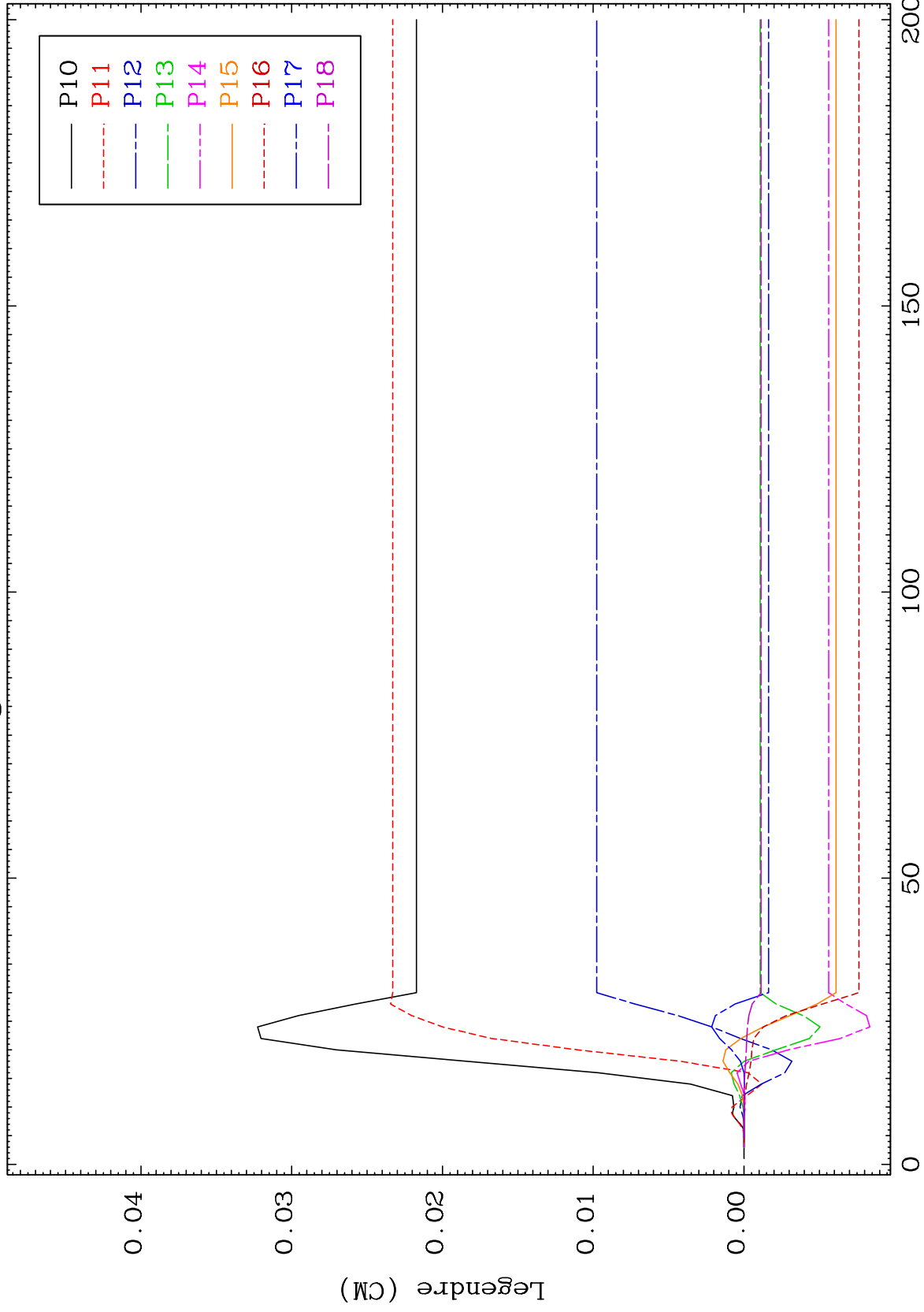
70-Yb-167



MAT 7022

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

70-Yb-167



77

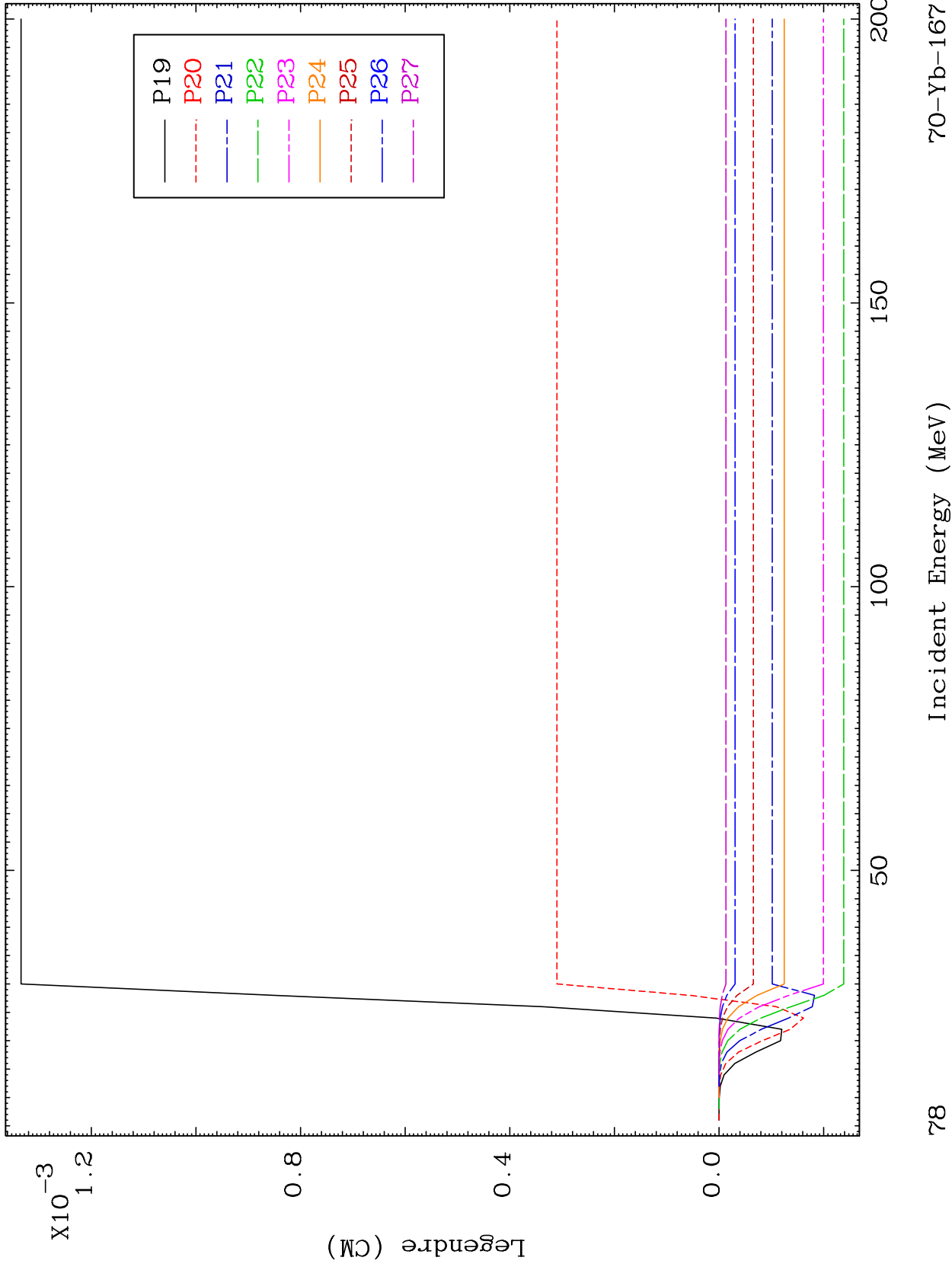
Incident Energy (MeV)

70-Yb-167

MAT 7022

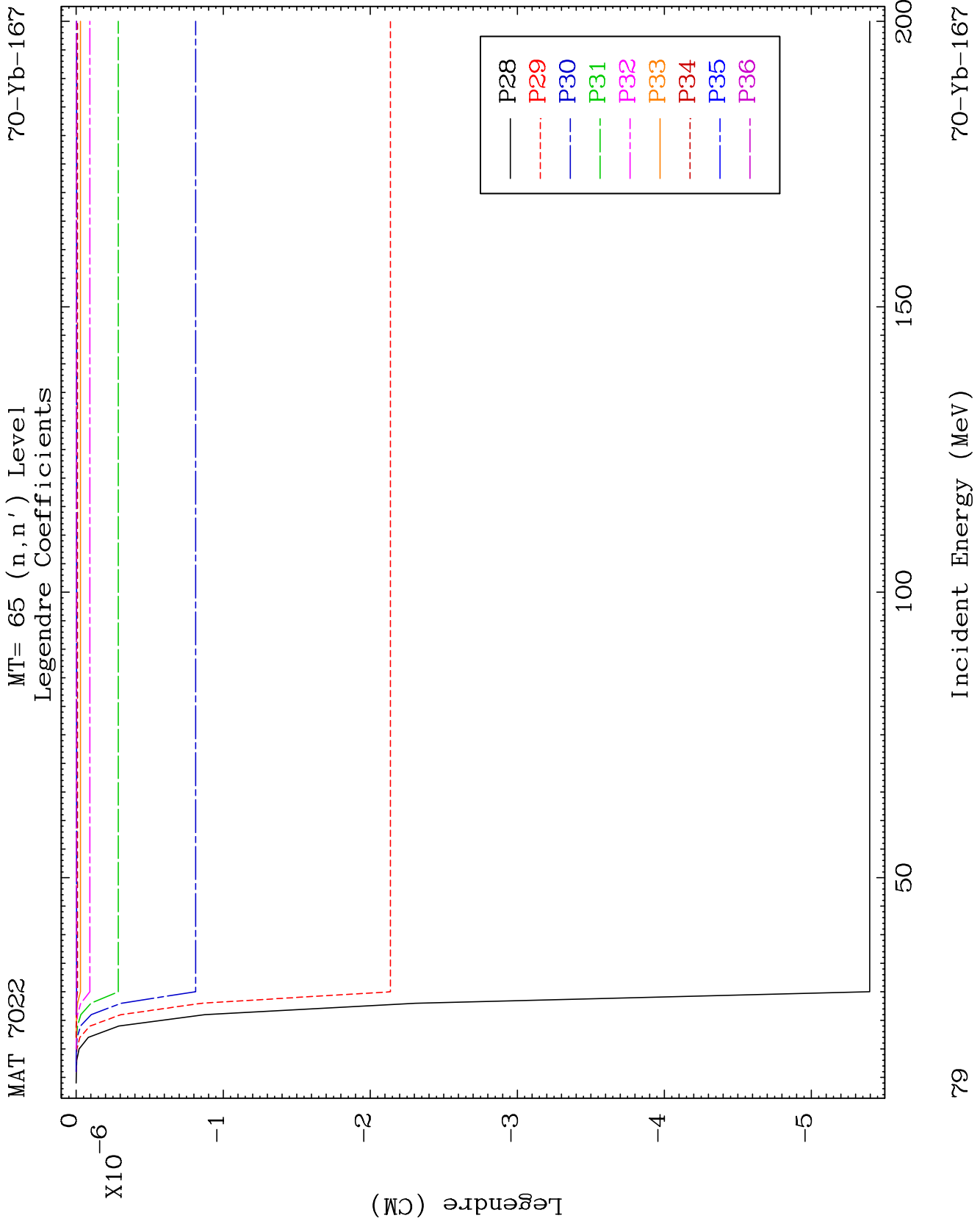
MT= 65 (n,n') Level
Legendre Coefficients

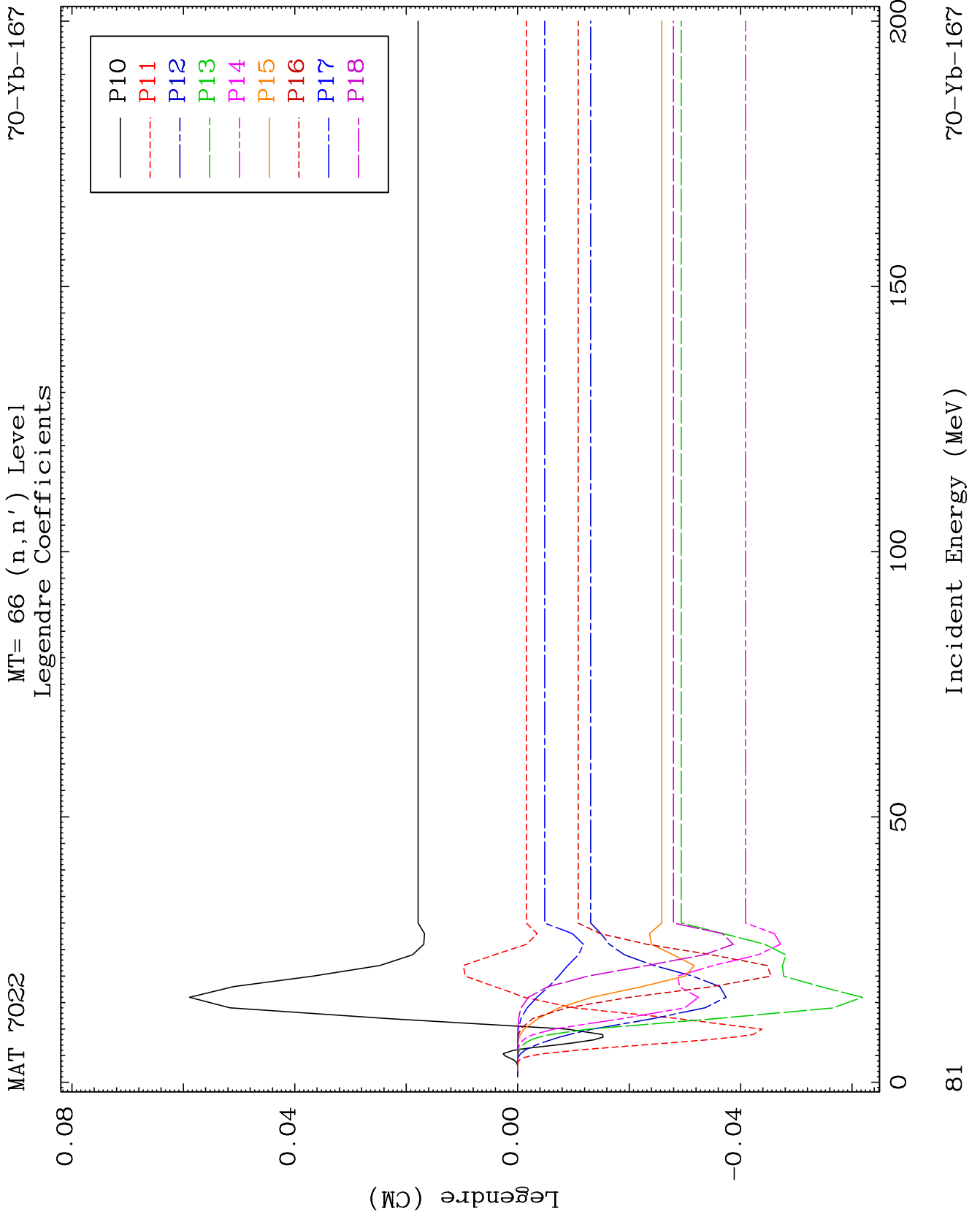
70-Yb-167



78

70-Yb-167

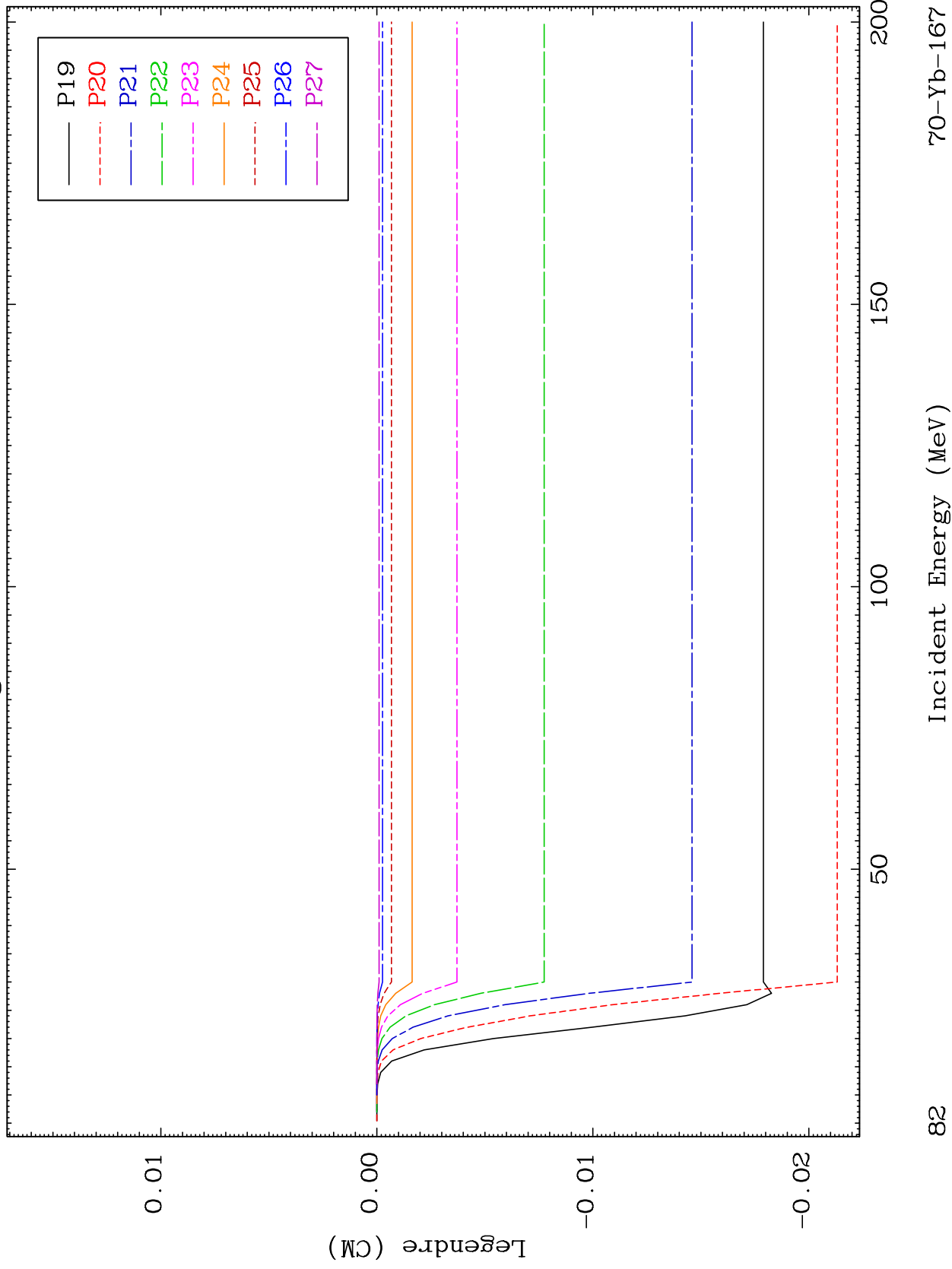




MAT 7022

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

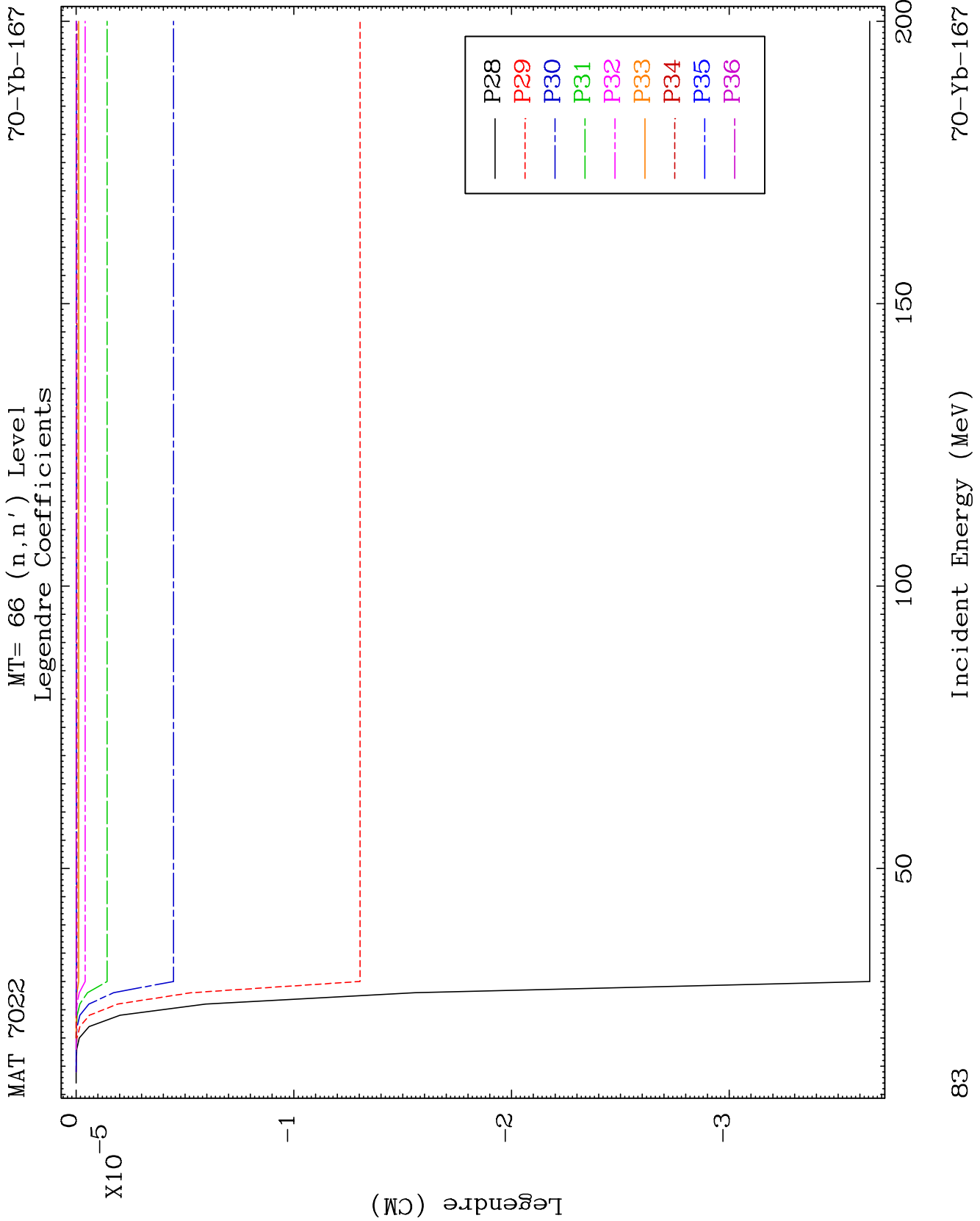
70-Yb-167



82

Incident Energy (MeV)

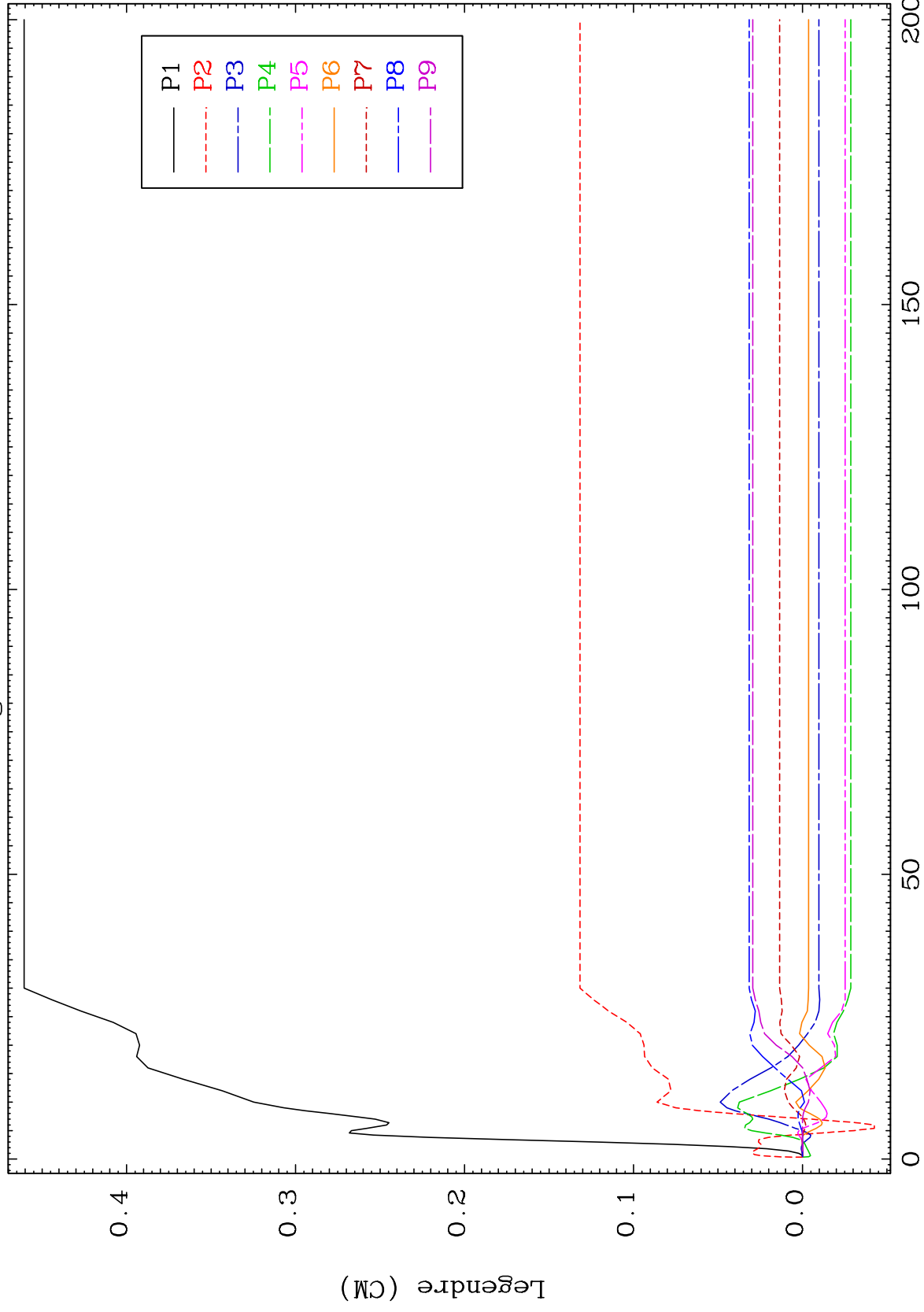
70-Yb-167



MAT 7022

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

70-Yb-167



84

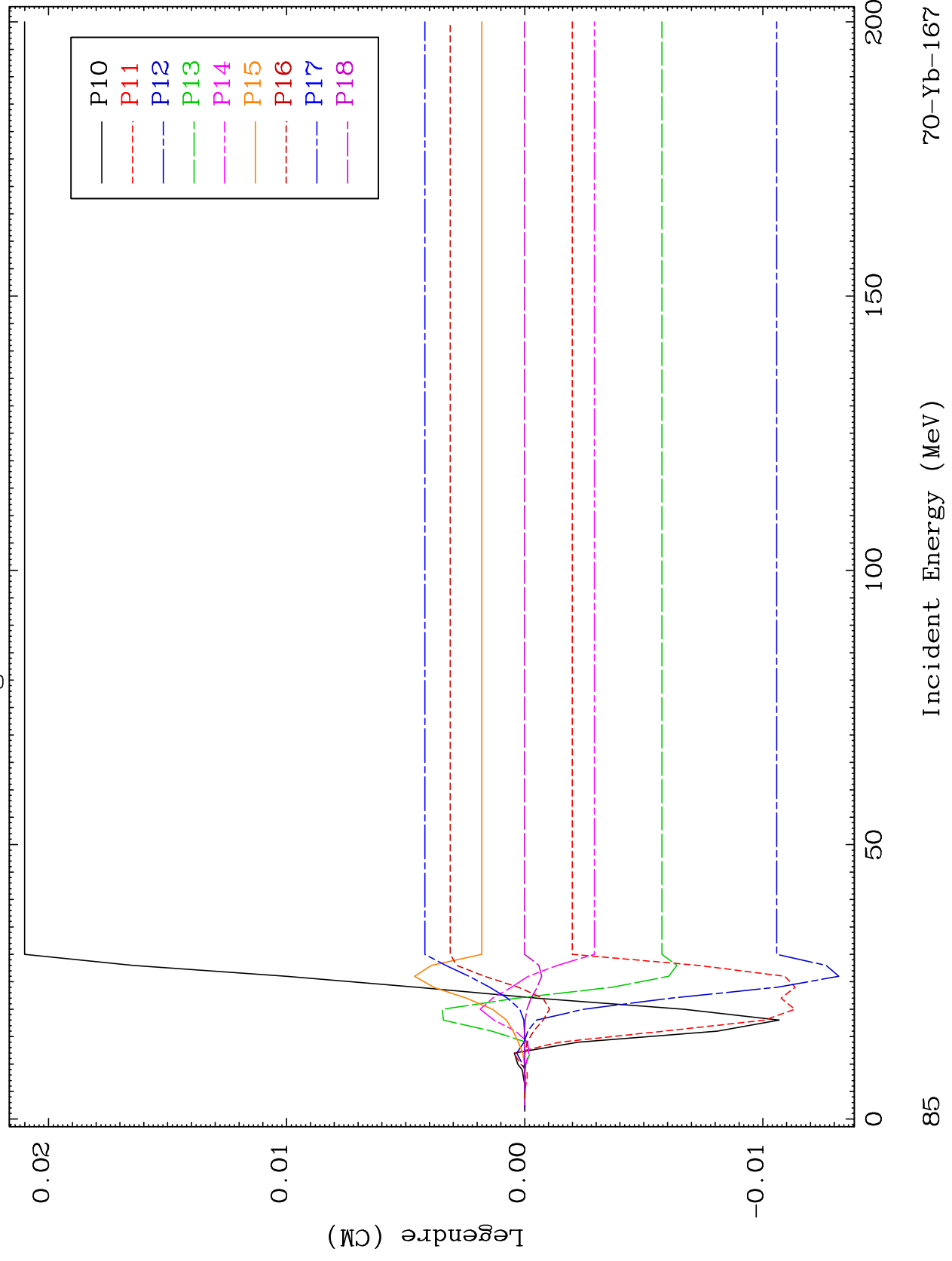
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

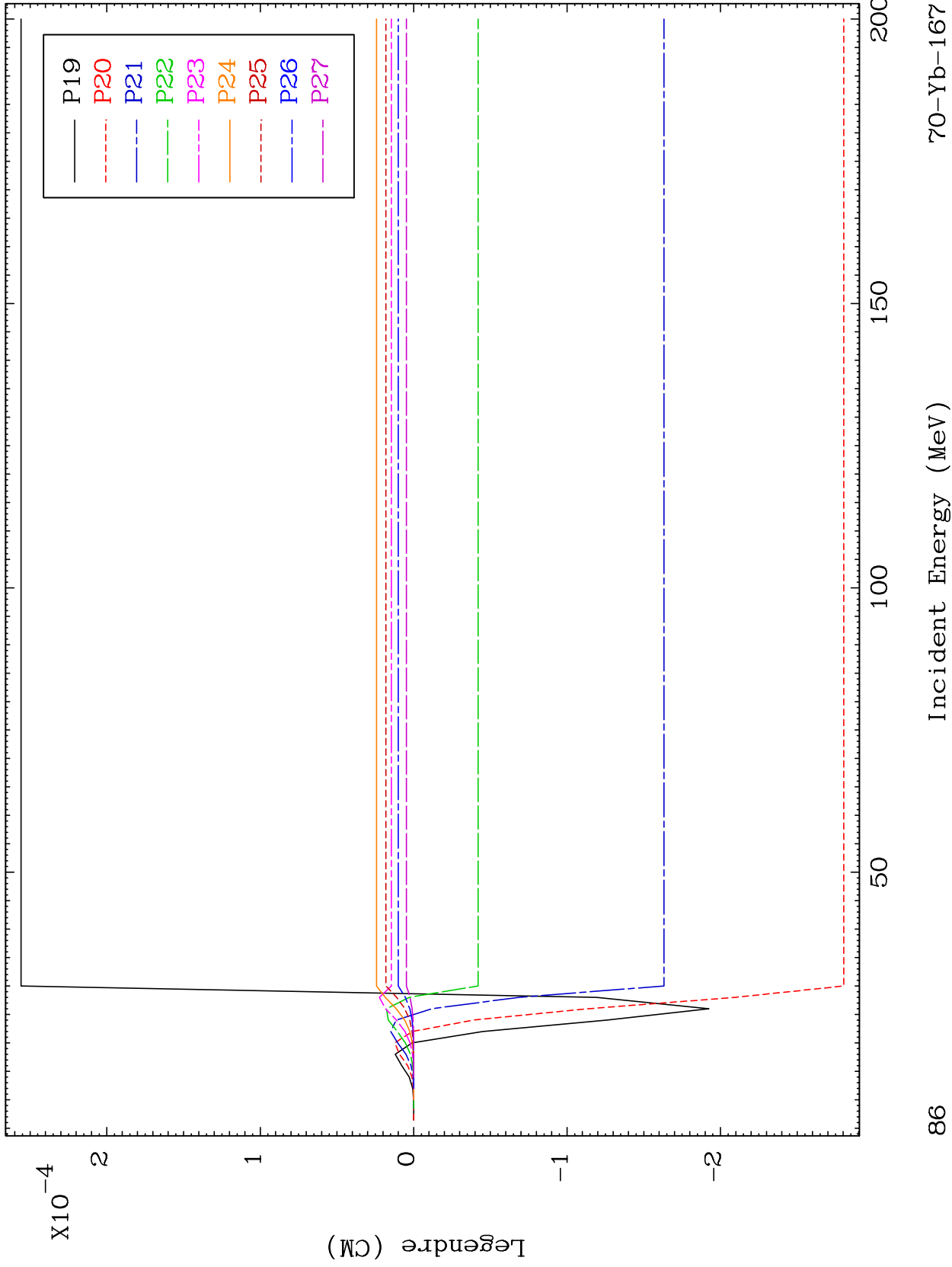
70-Yb-167



70-Yb-167

Incident Energy (MeV)

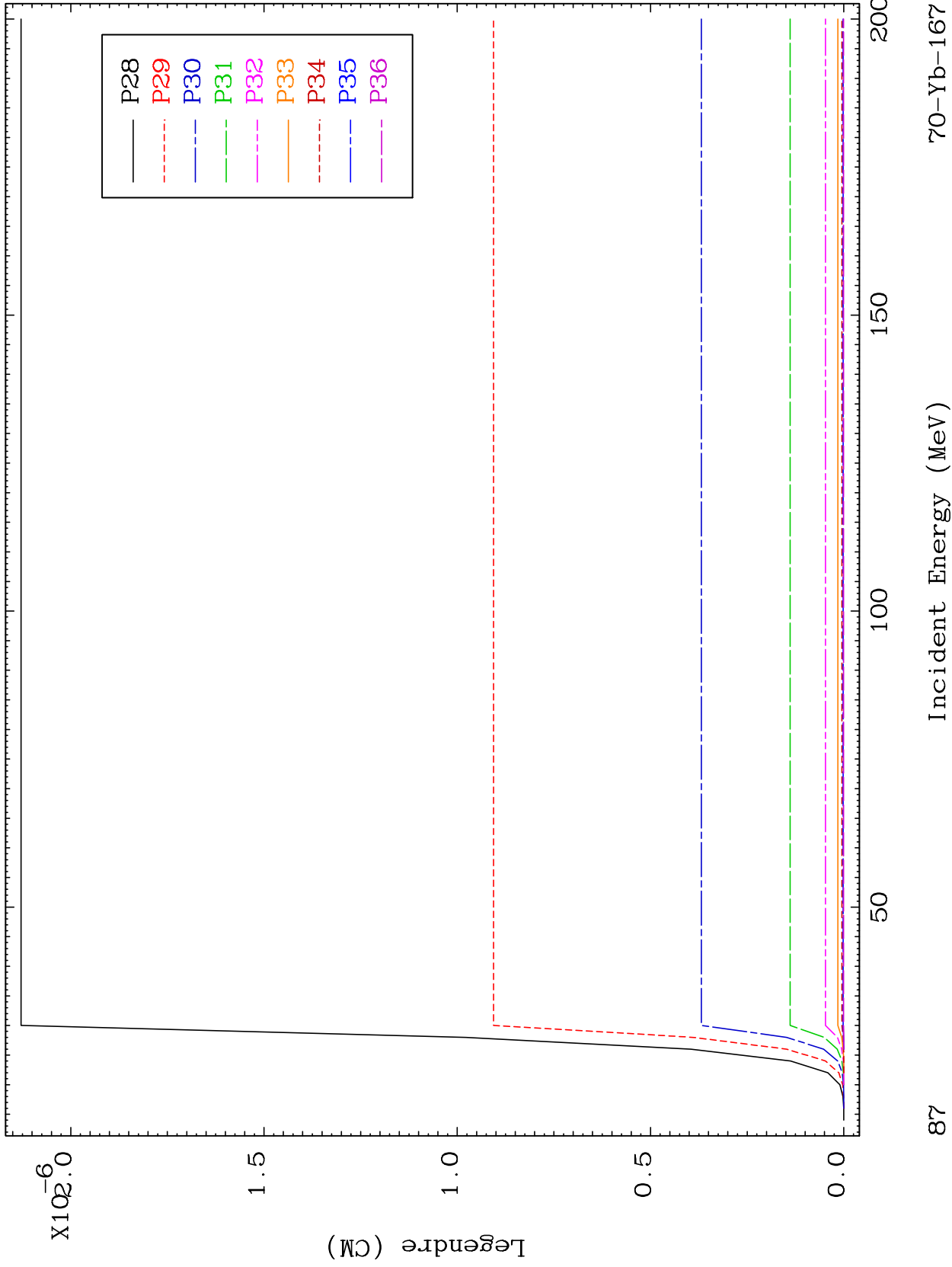
85



MAT 7022

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

70-Yb-167



87

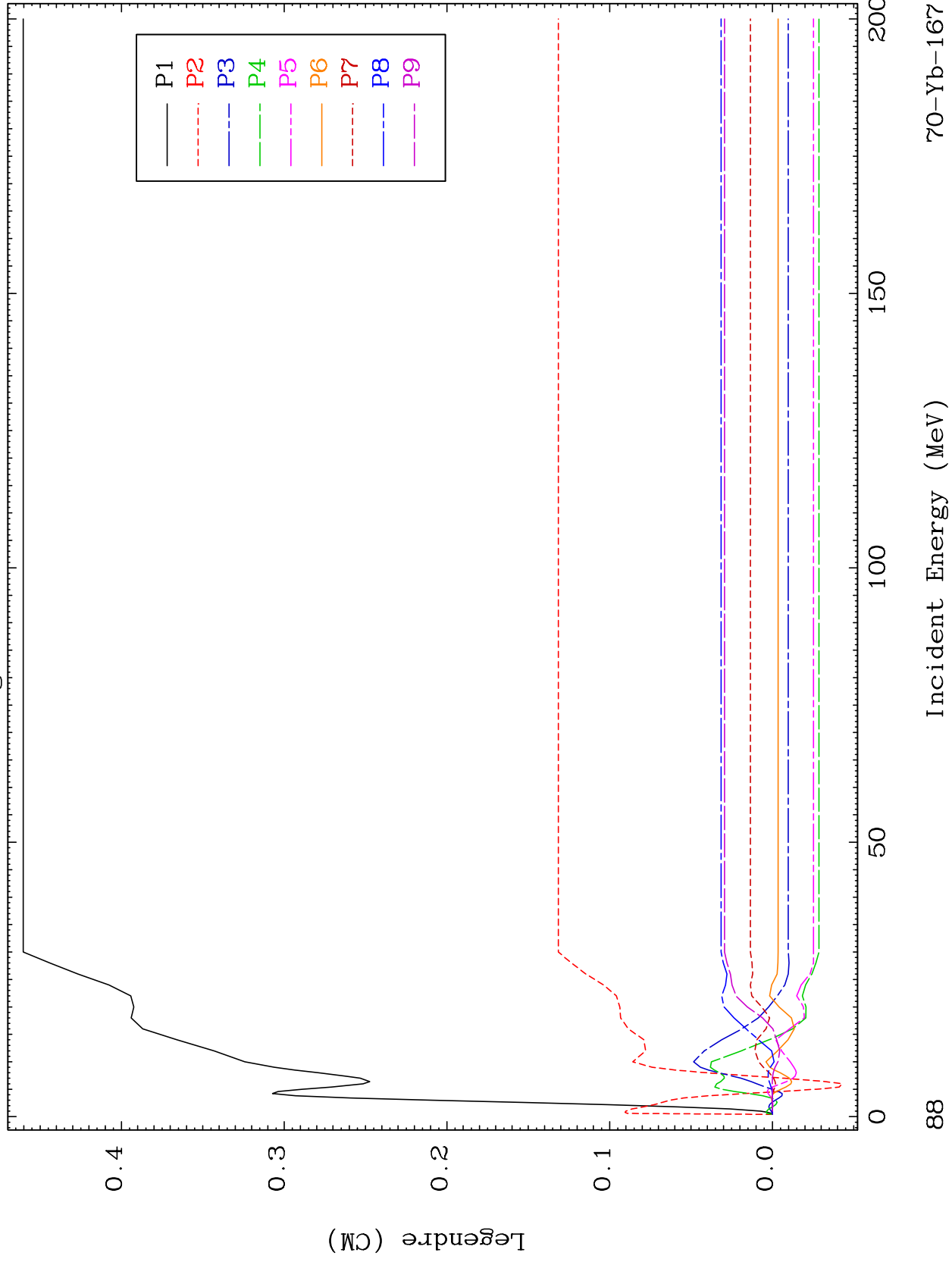
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

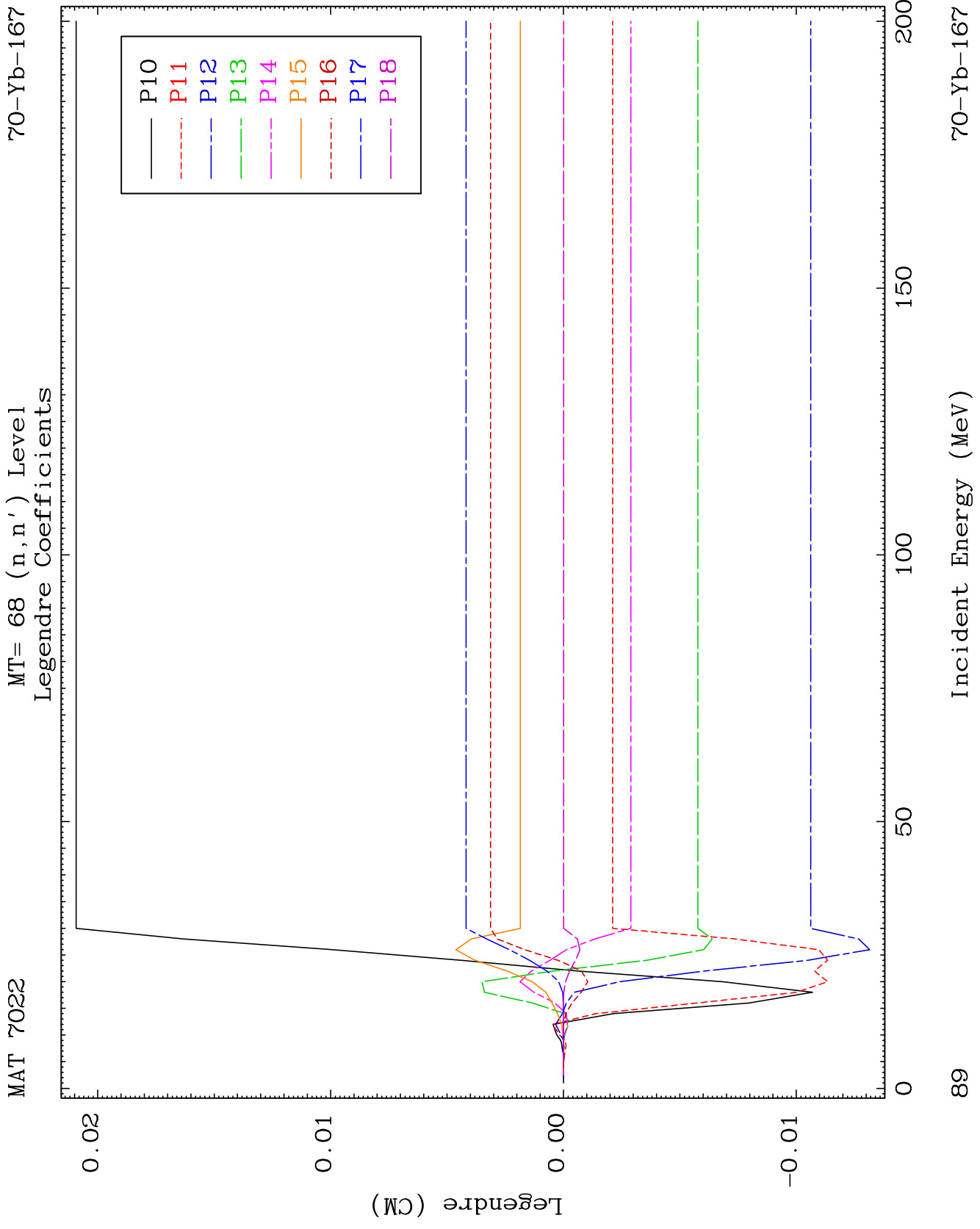
70-Yb-167

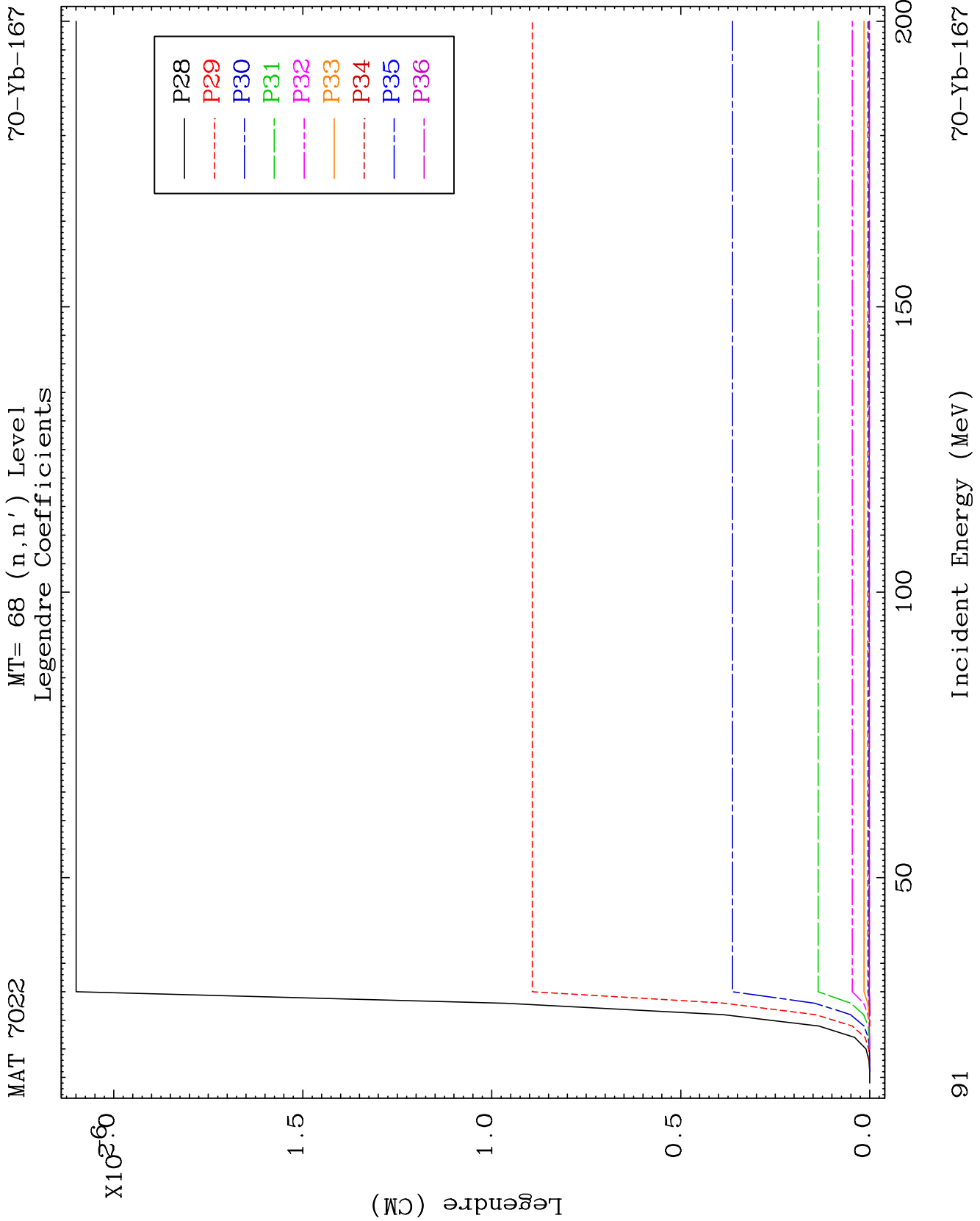


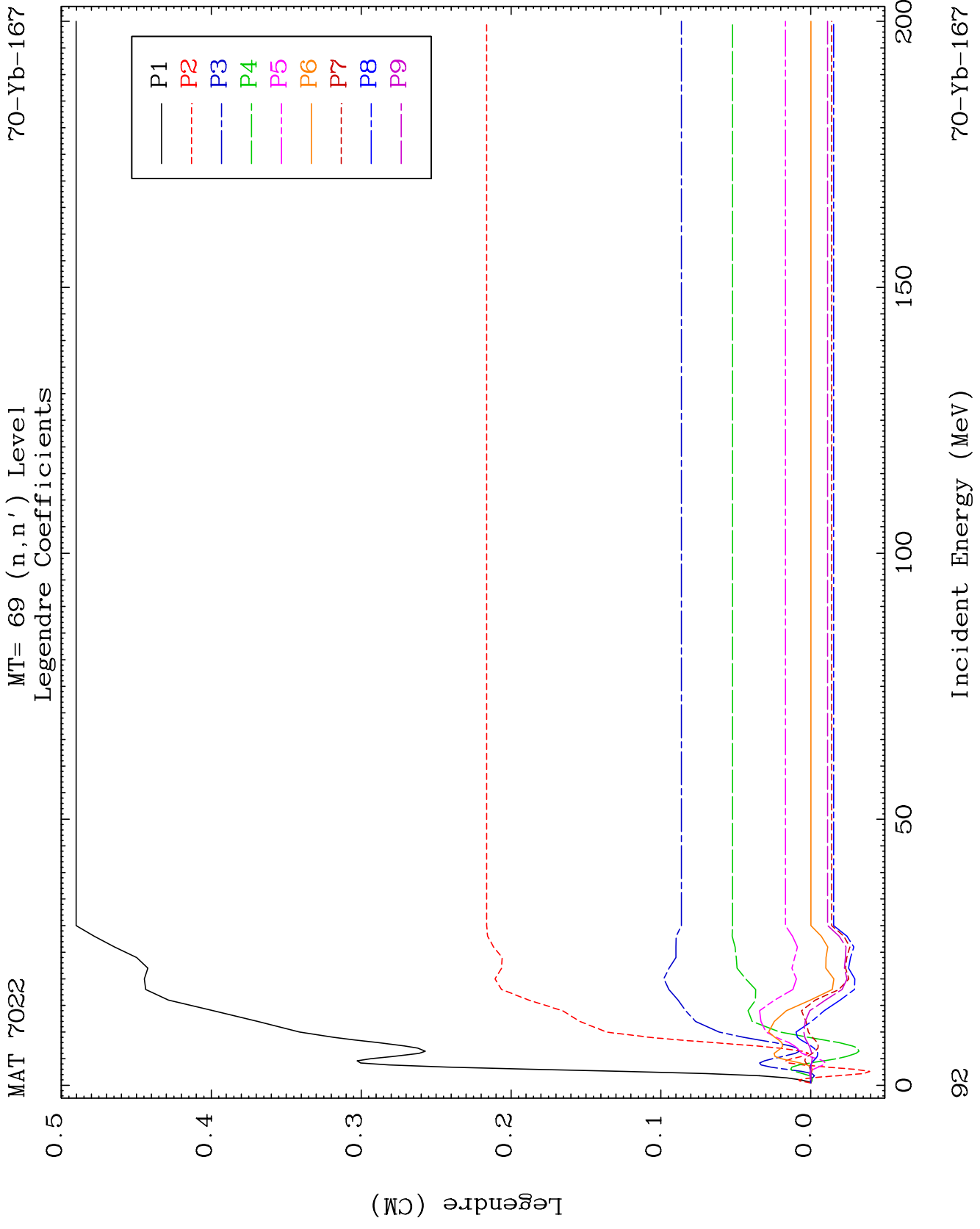
70-Yb-167

Incident Energy (MeV)

88



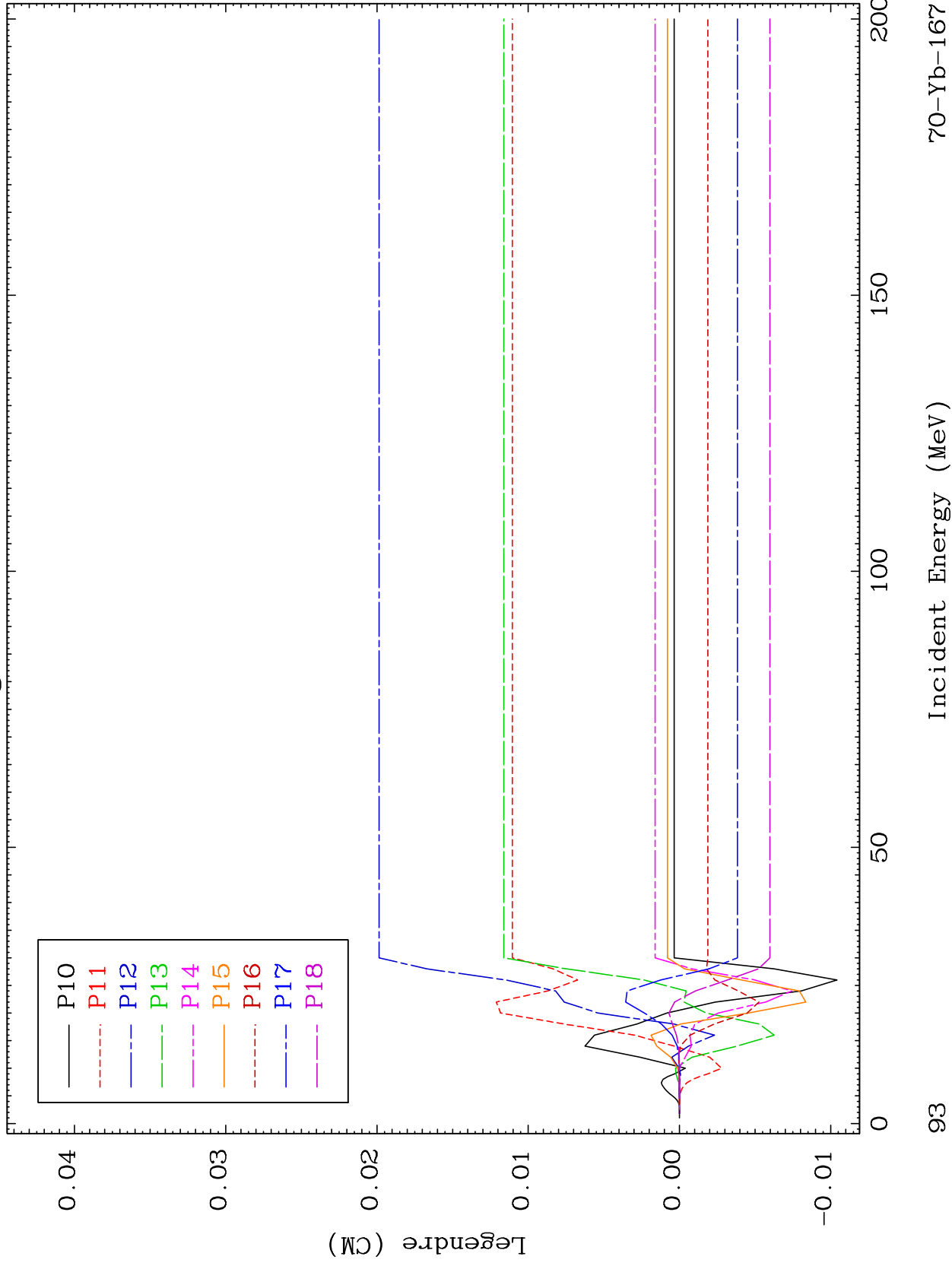




MAT 7022

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

70-Yb-167



93

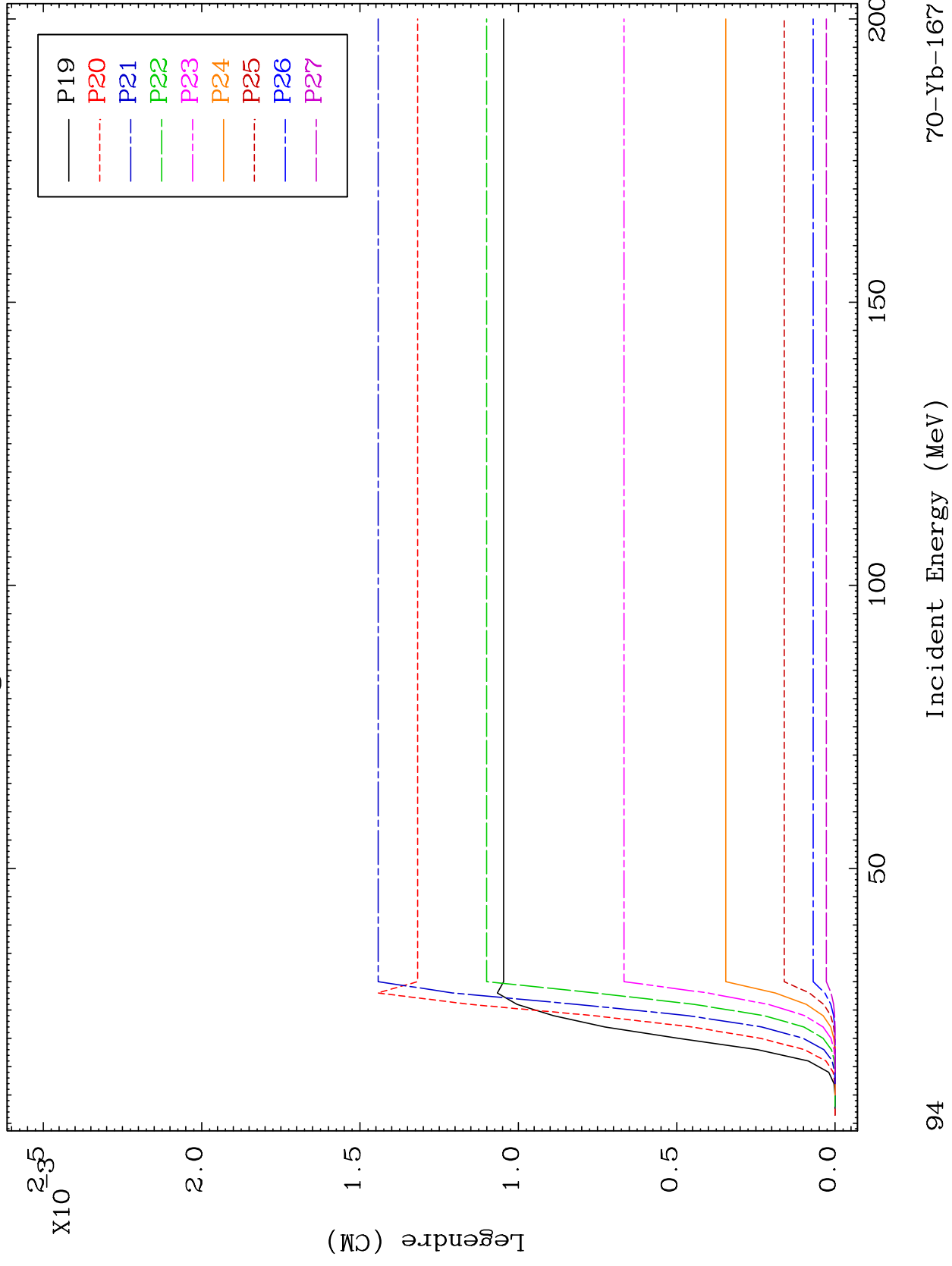
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

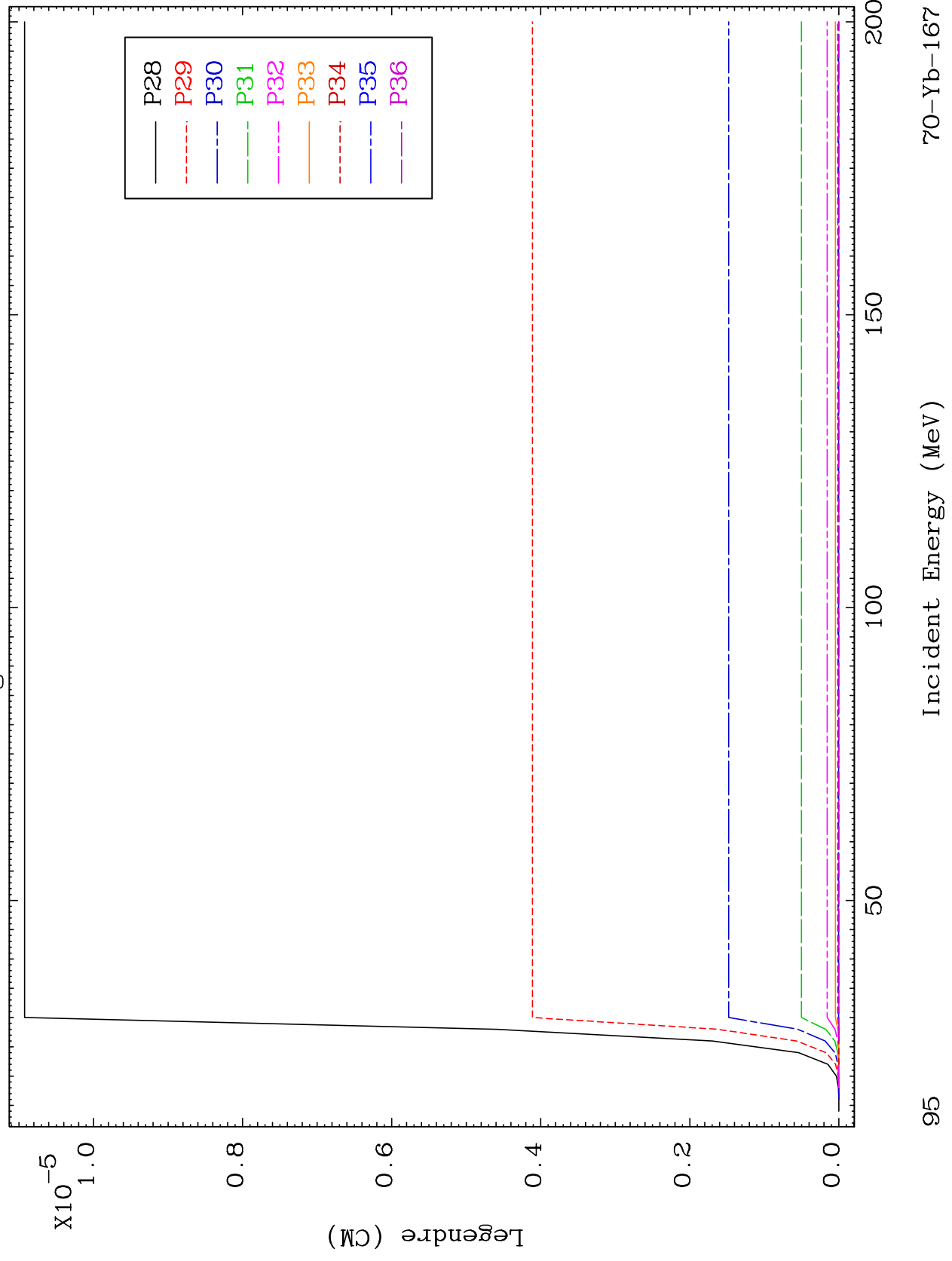
70-Yb-167



MAT 7022

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

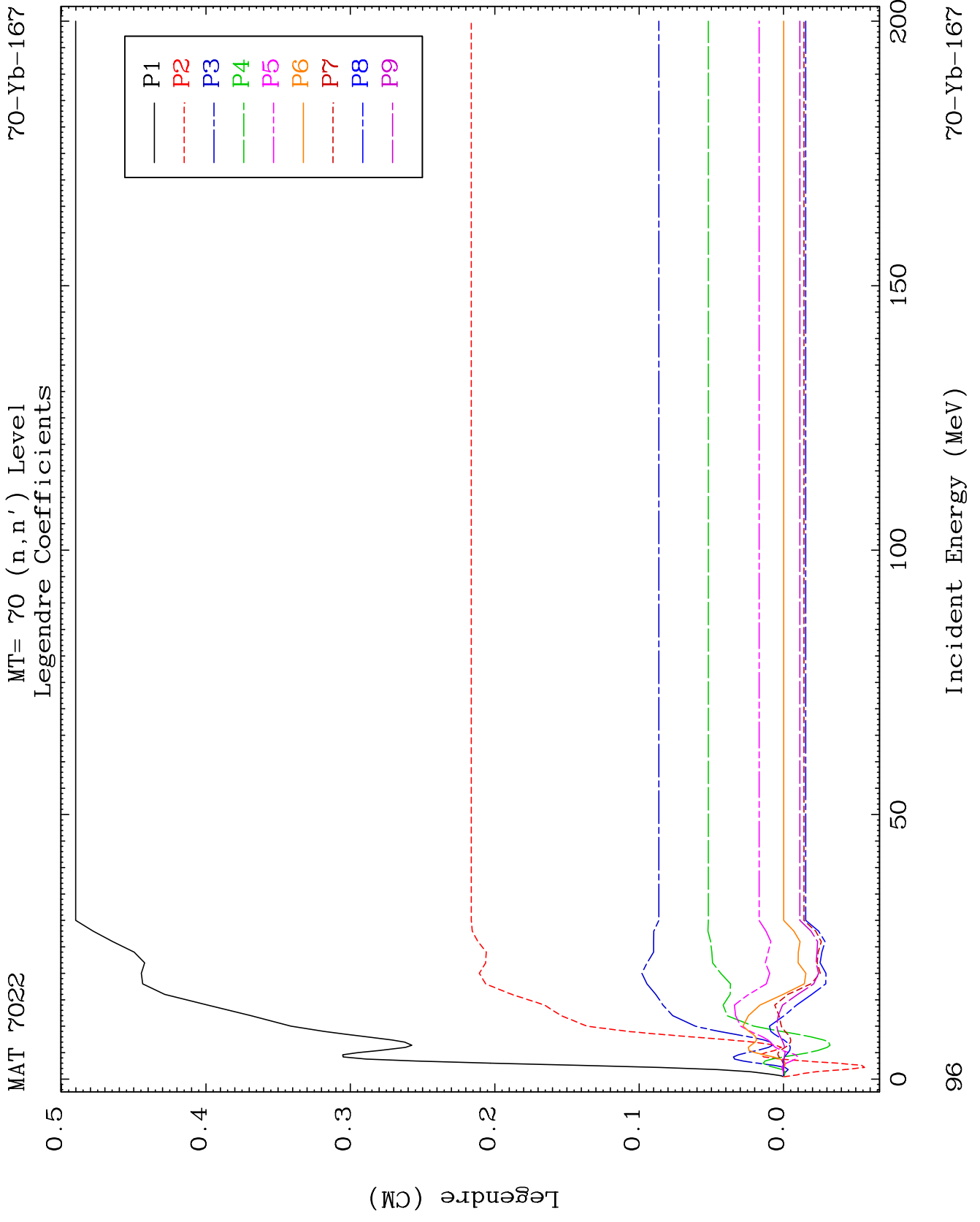
70-Yb-167



95

Incident Energy (MeV)

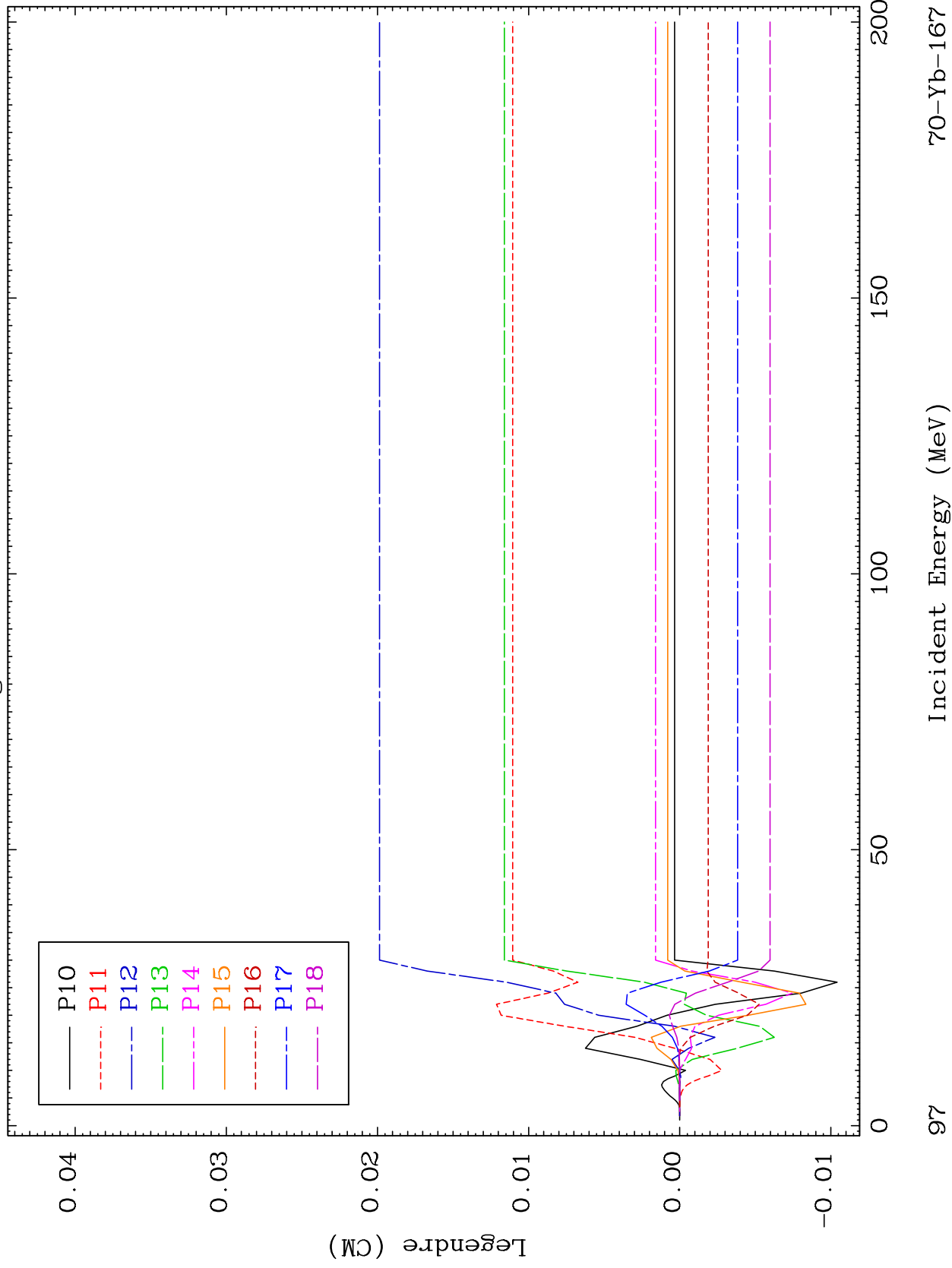
70-Yb-167



MAT 7022

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

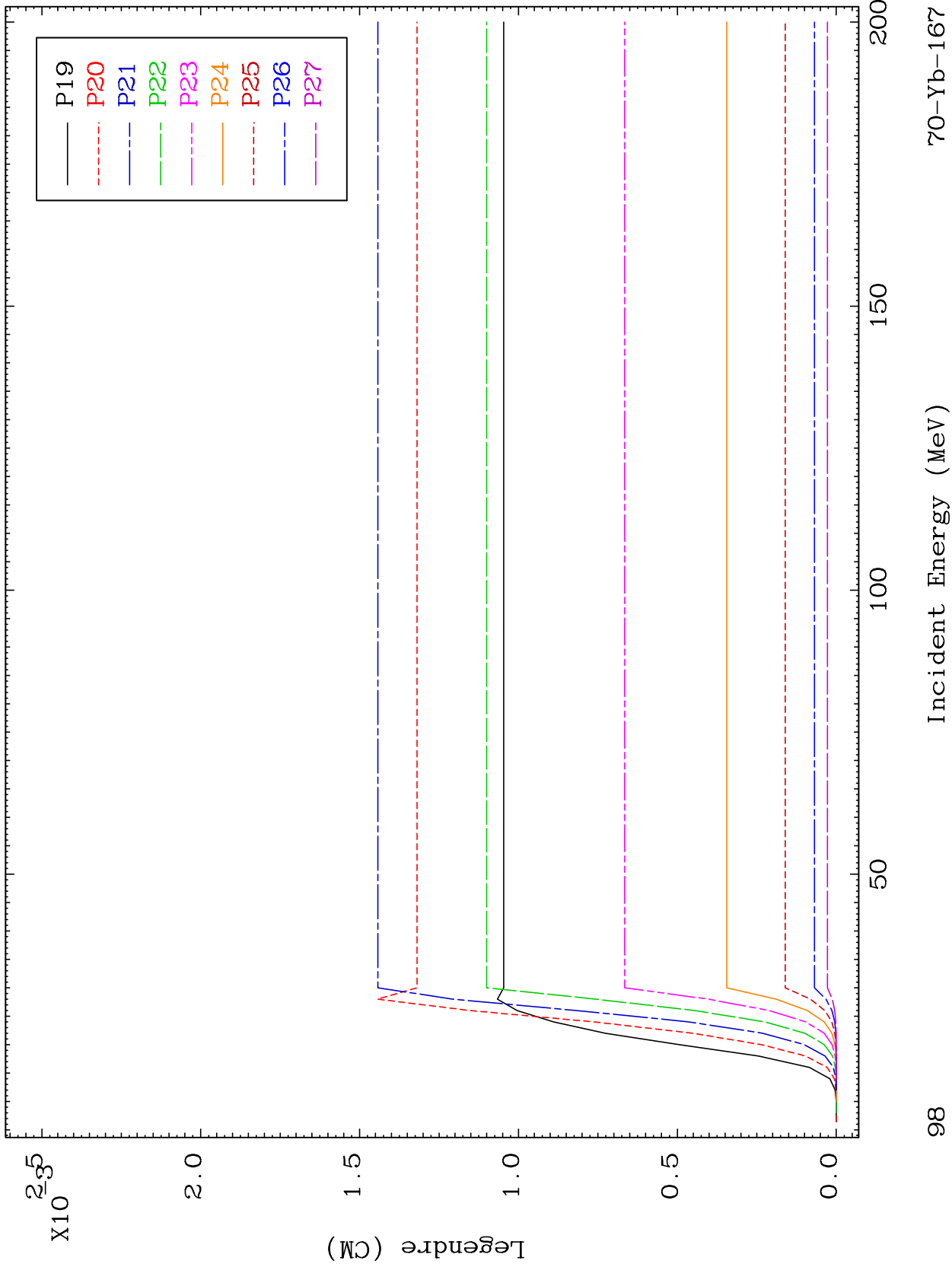
70-Yb-167

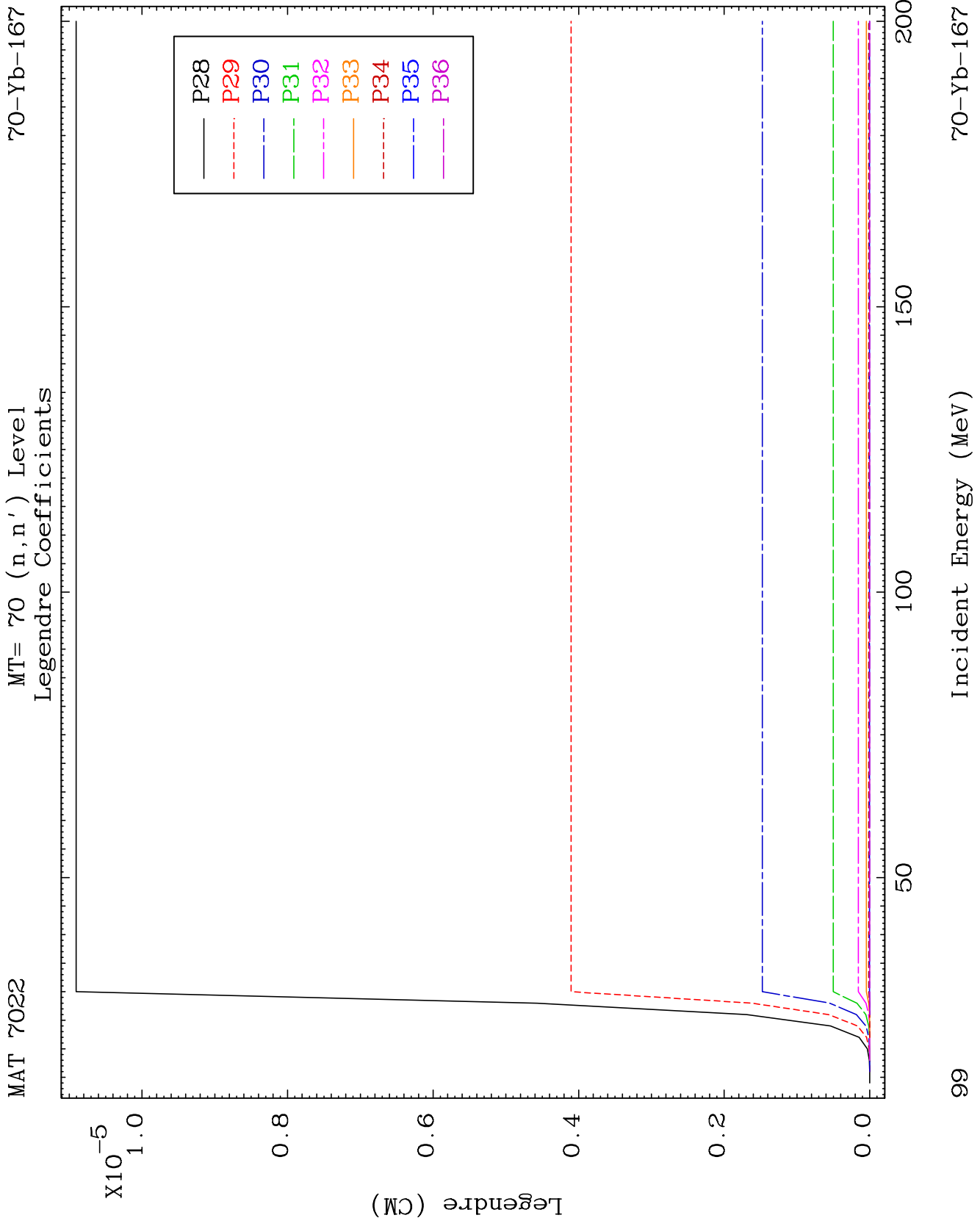


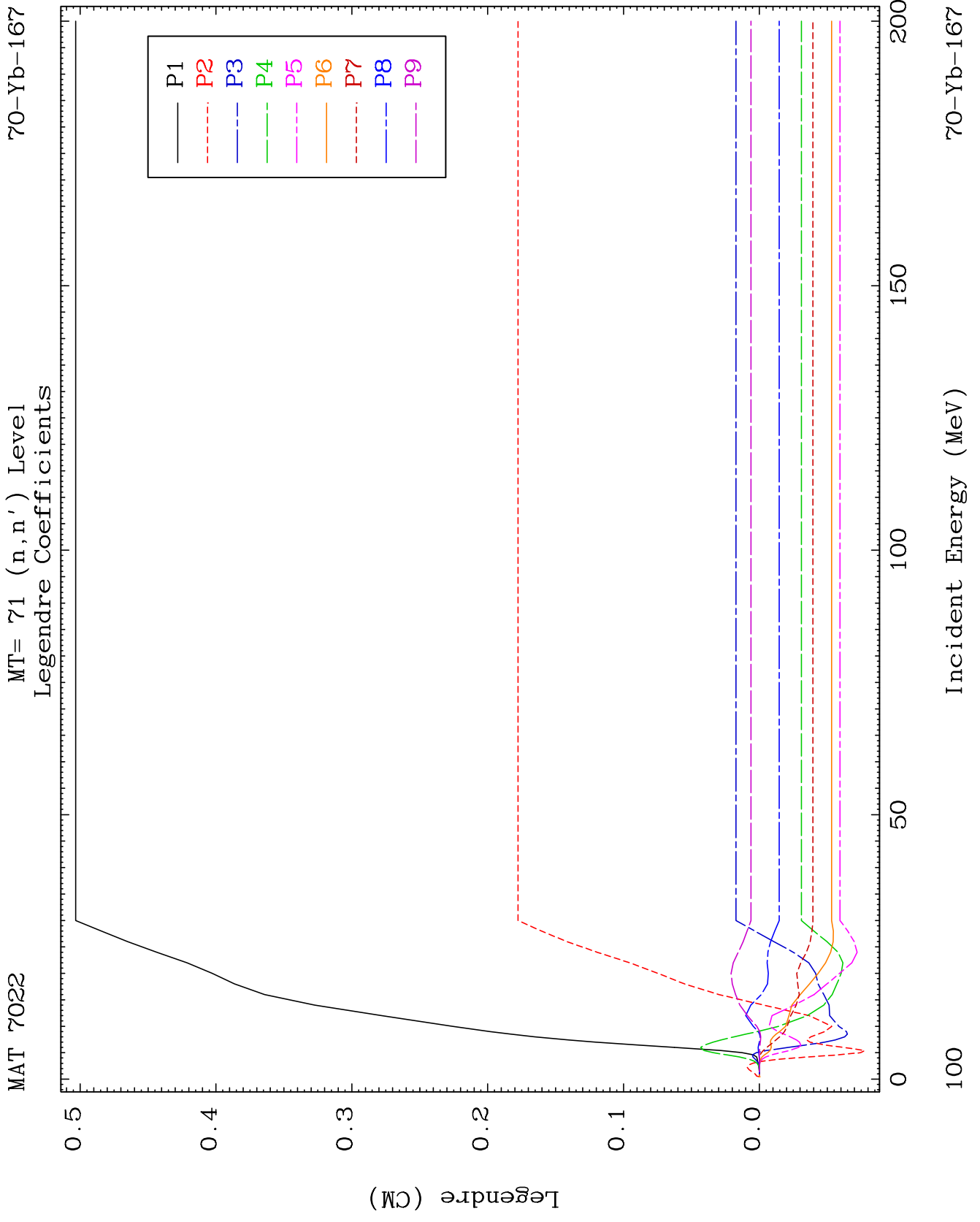
MAT 7022

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

70-Yb-167



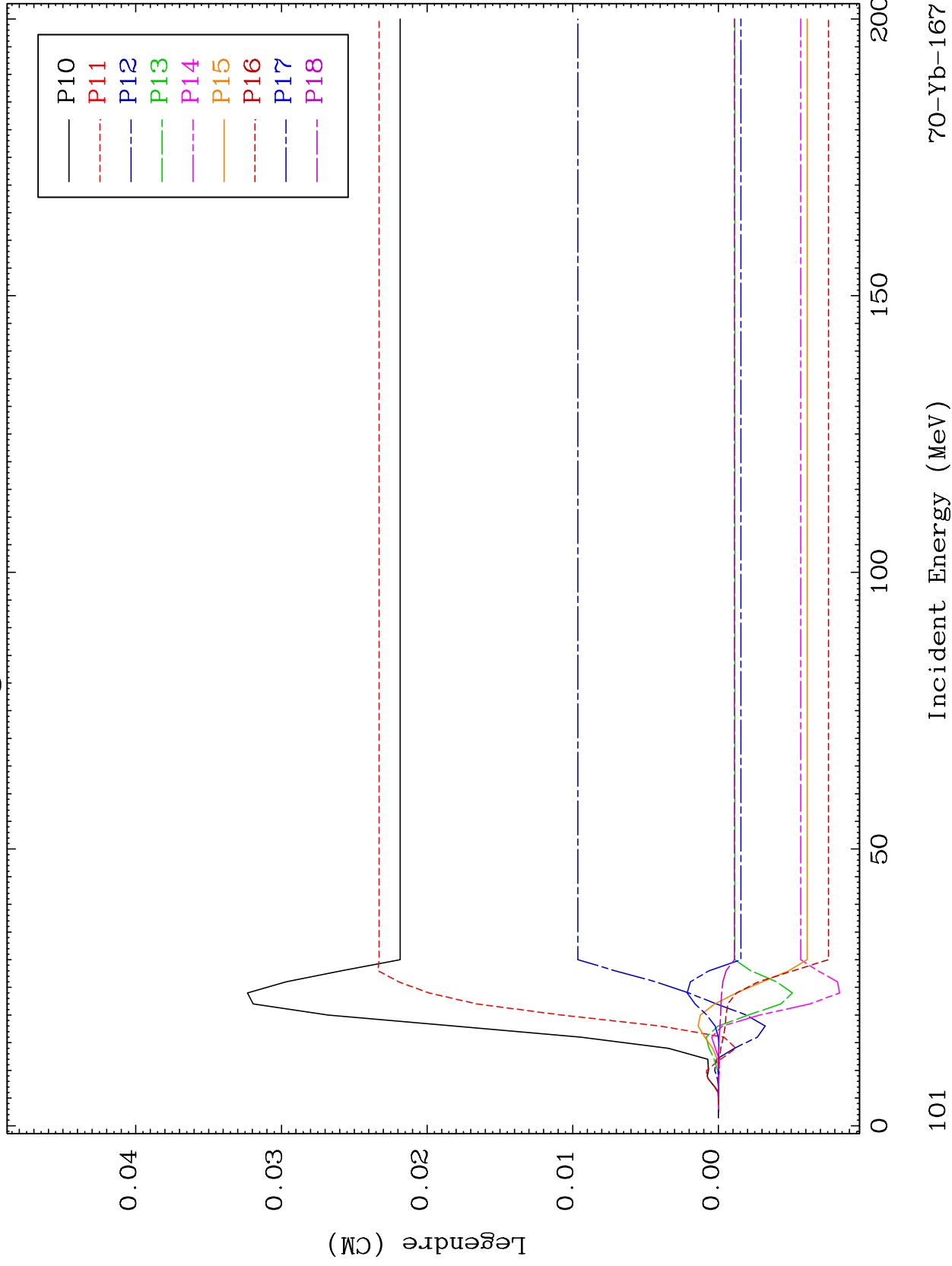




MAT 7022

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

70-Yb-167



70-Yb-167

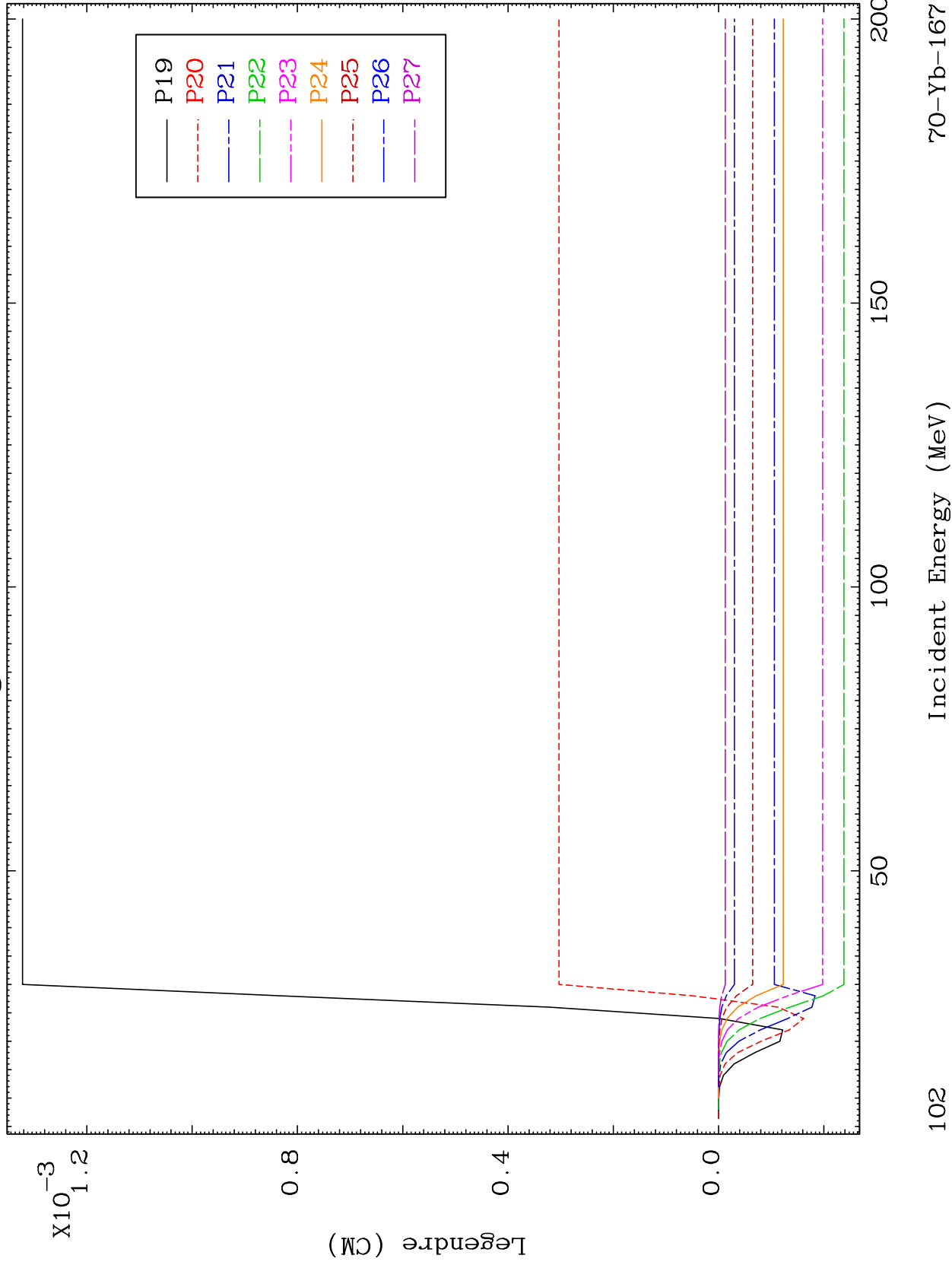
Incident Energy (MeV)

101

MAT 7022

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

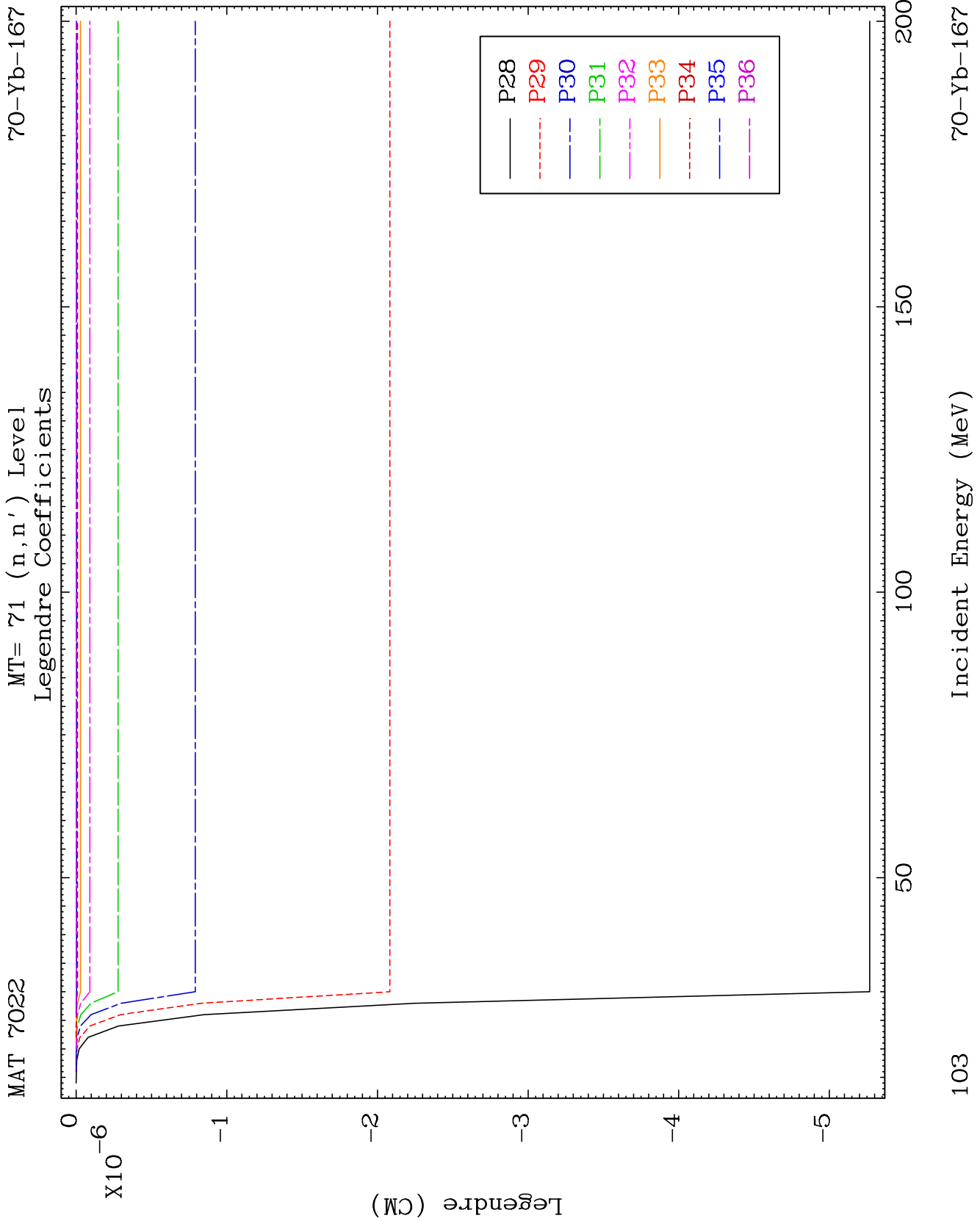
70-Yb-167

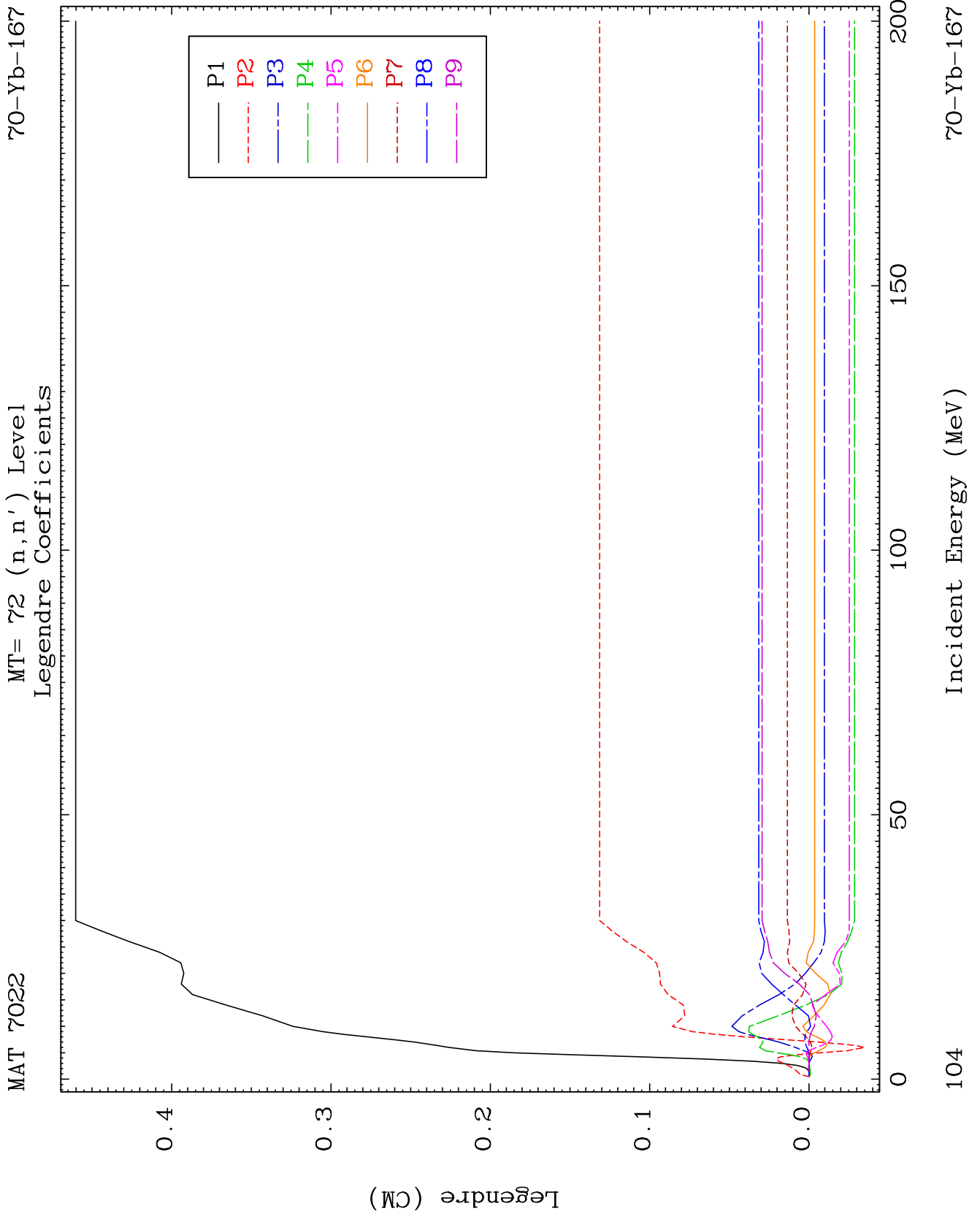


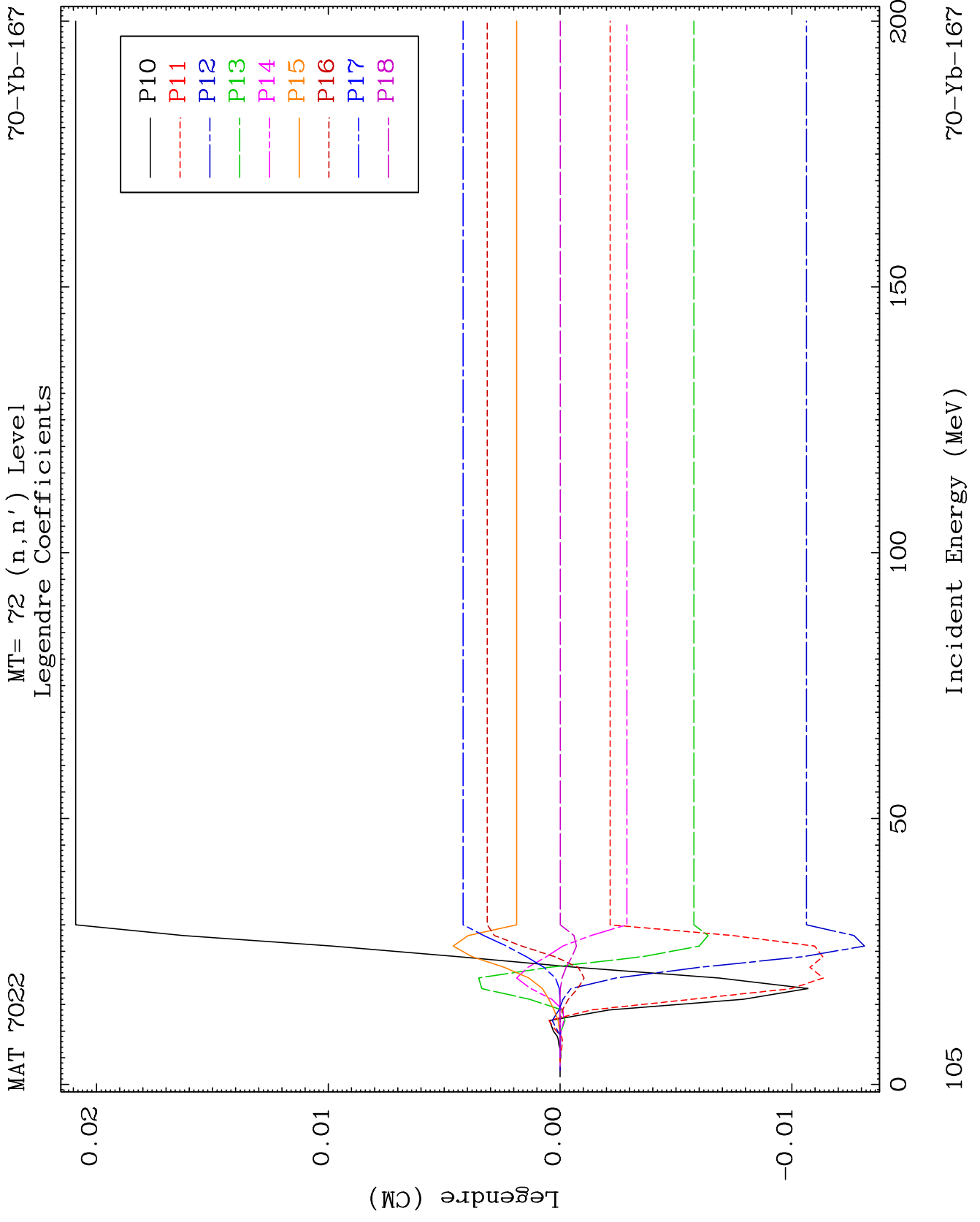
102

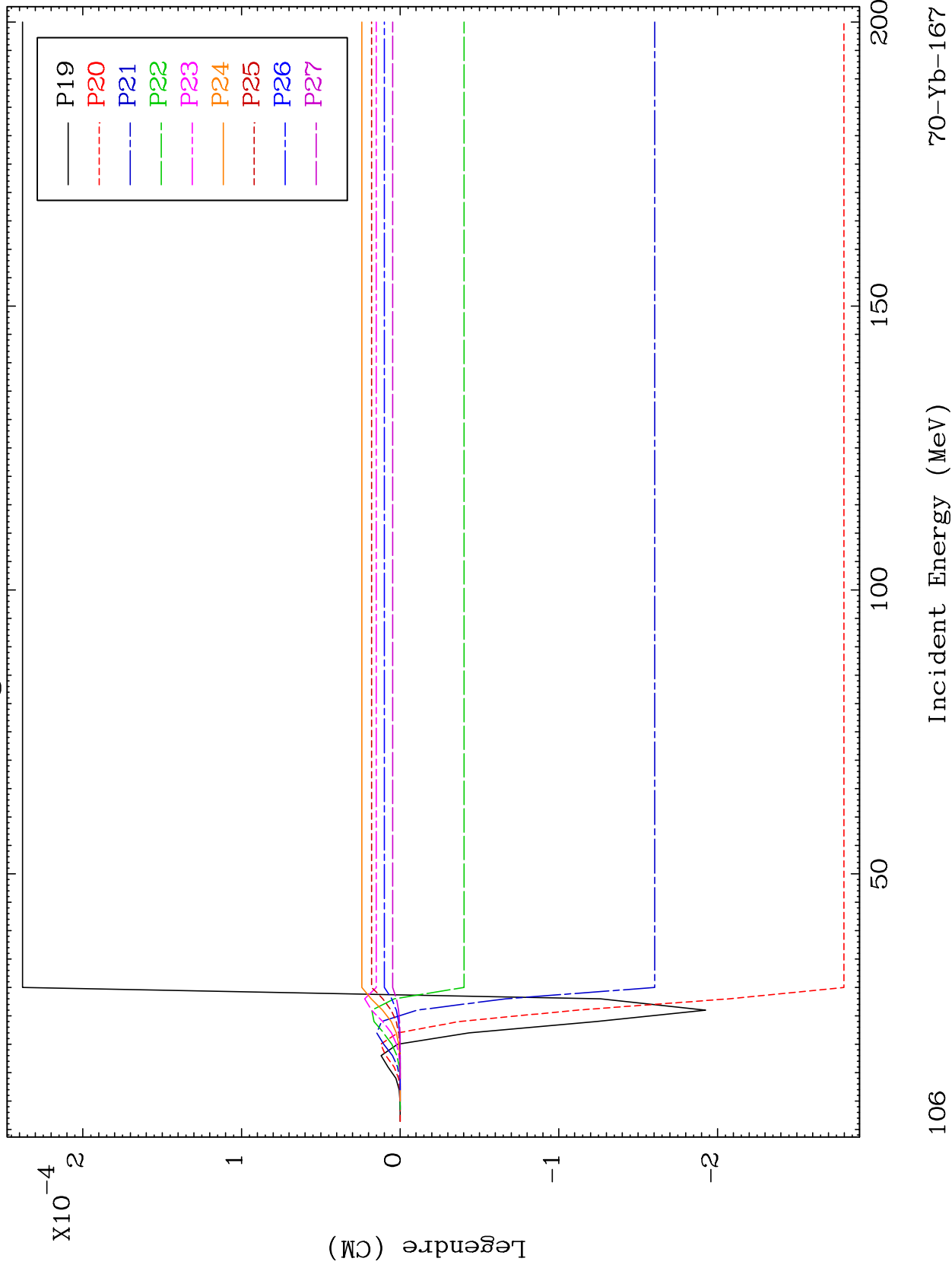
Incident Energy (MeV)

70-Yb-167





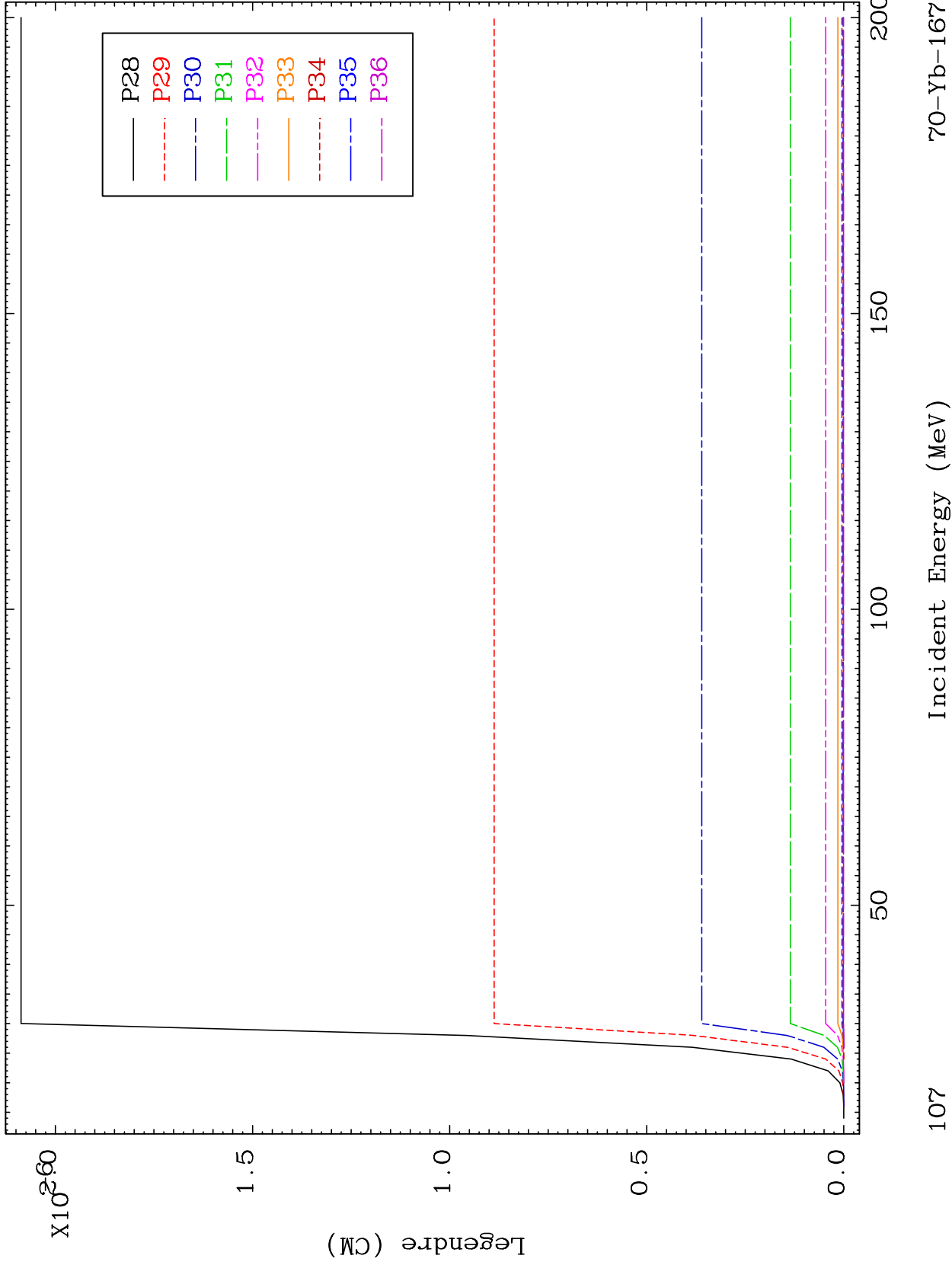




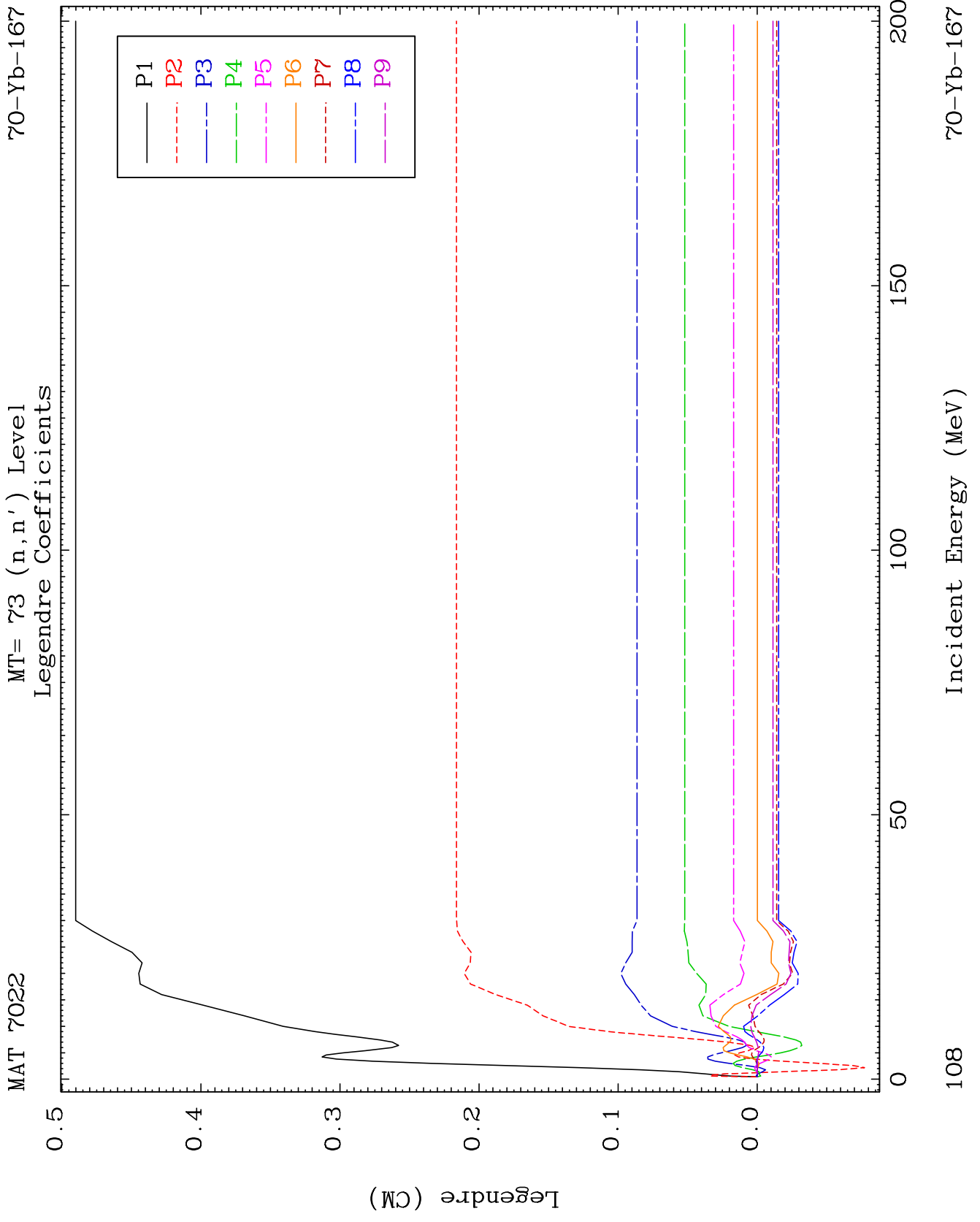
MAT 7022

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

70-Yb-167



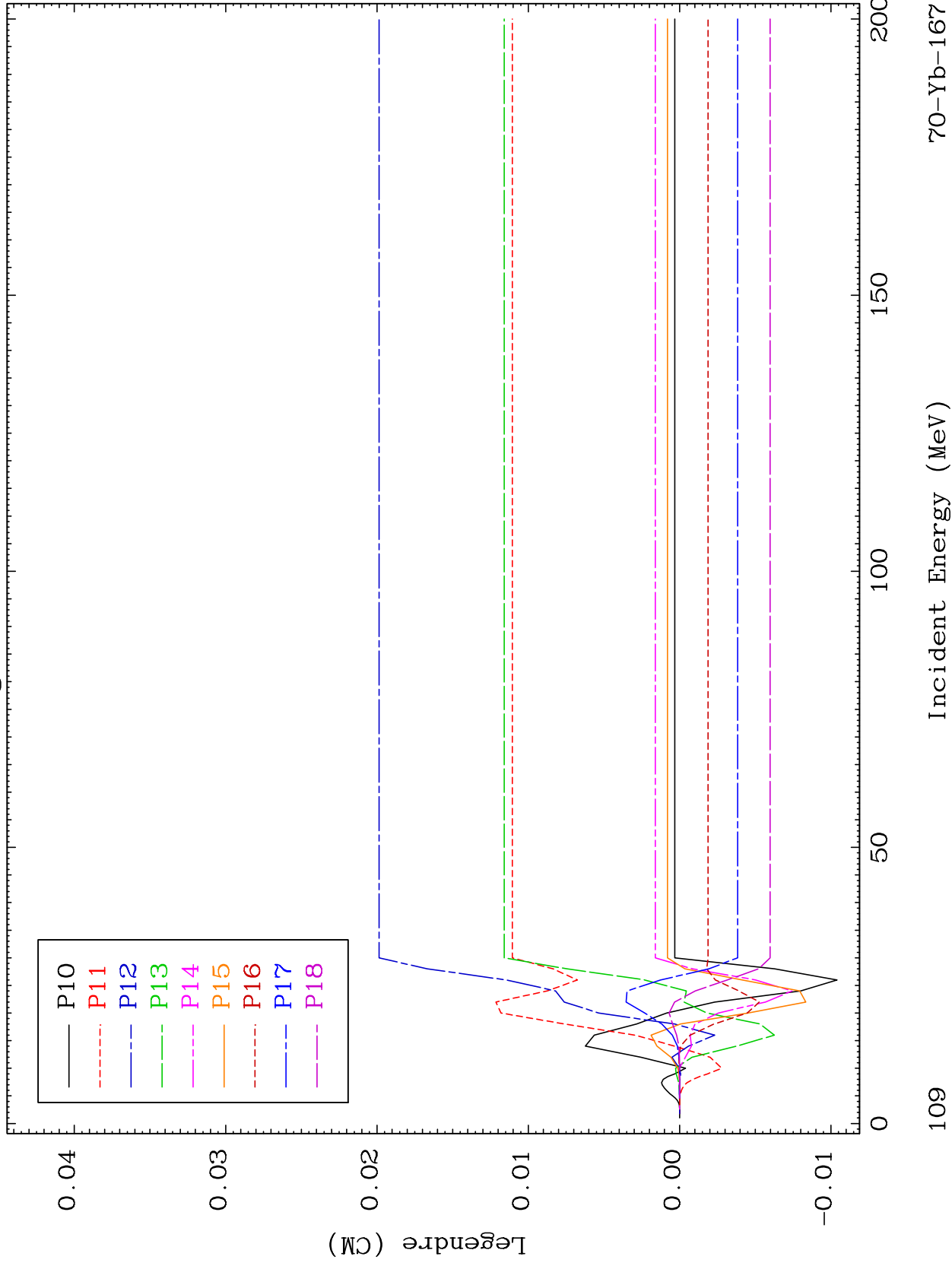
107



MAT 70222

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

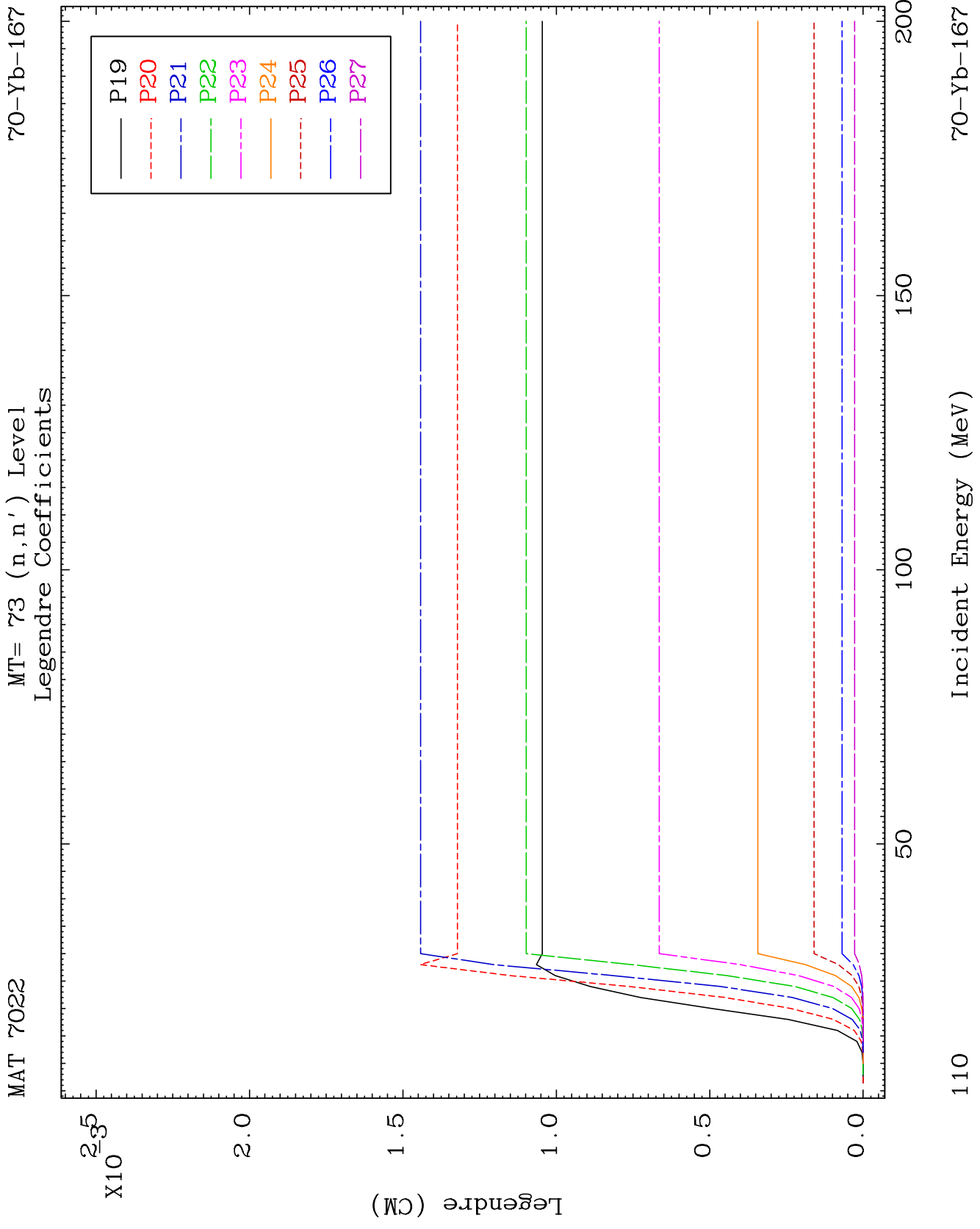
70-Yb-167



70-Yb-167

Incident Energy (MeV)

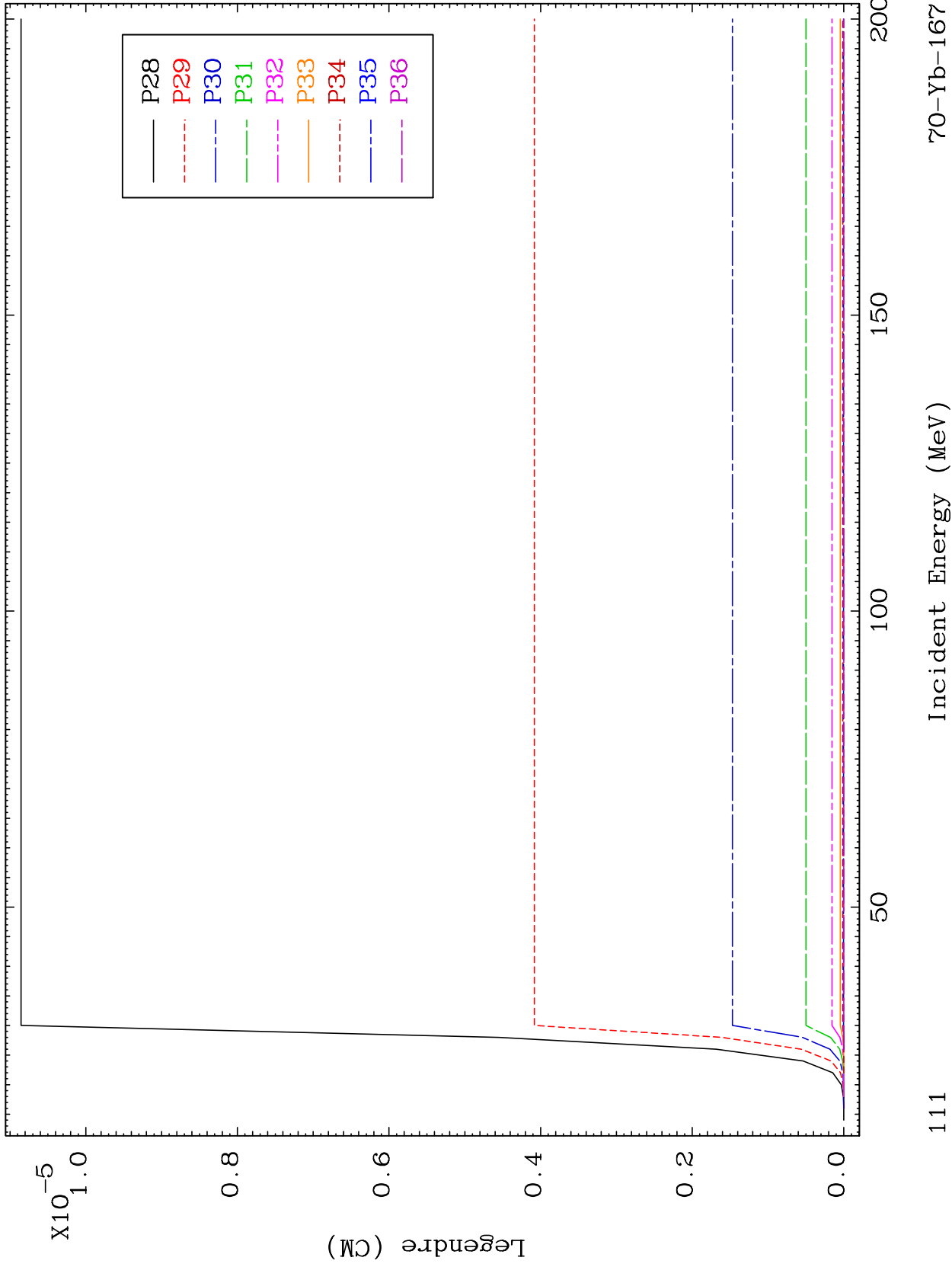
109



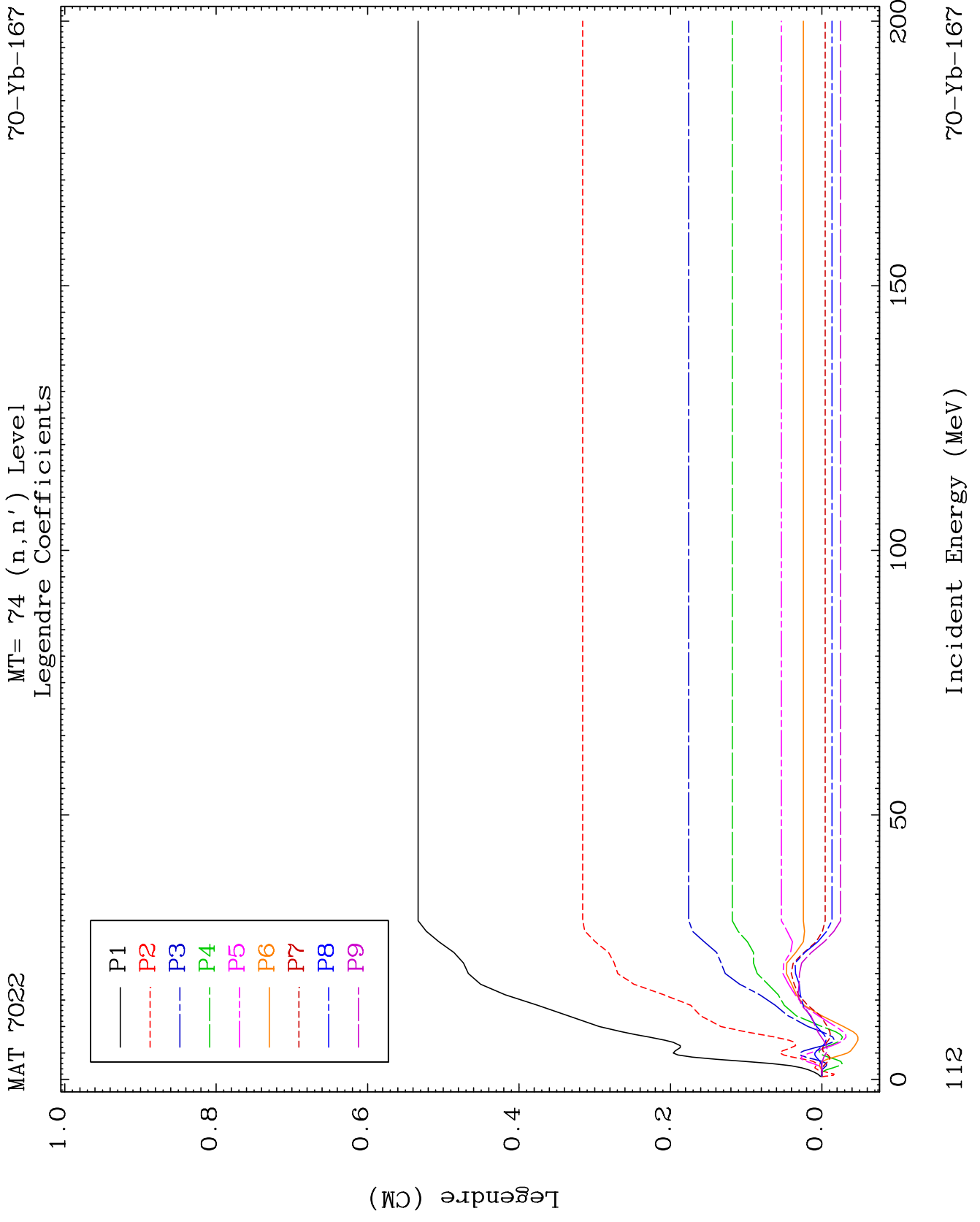
MAT 7022

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

70-Yb-167



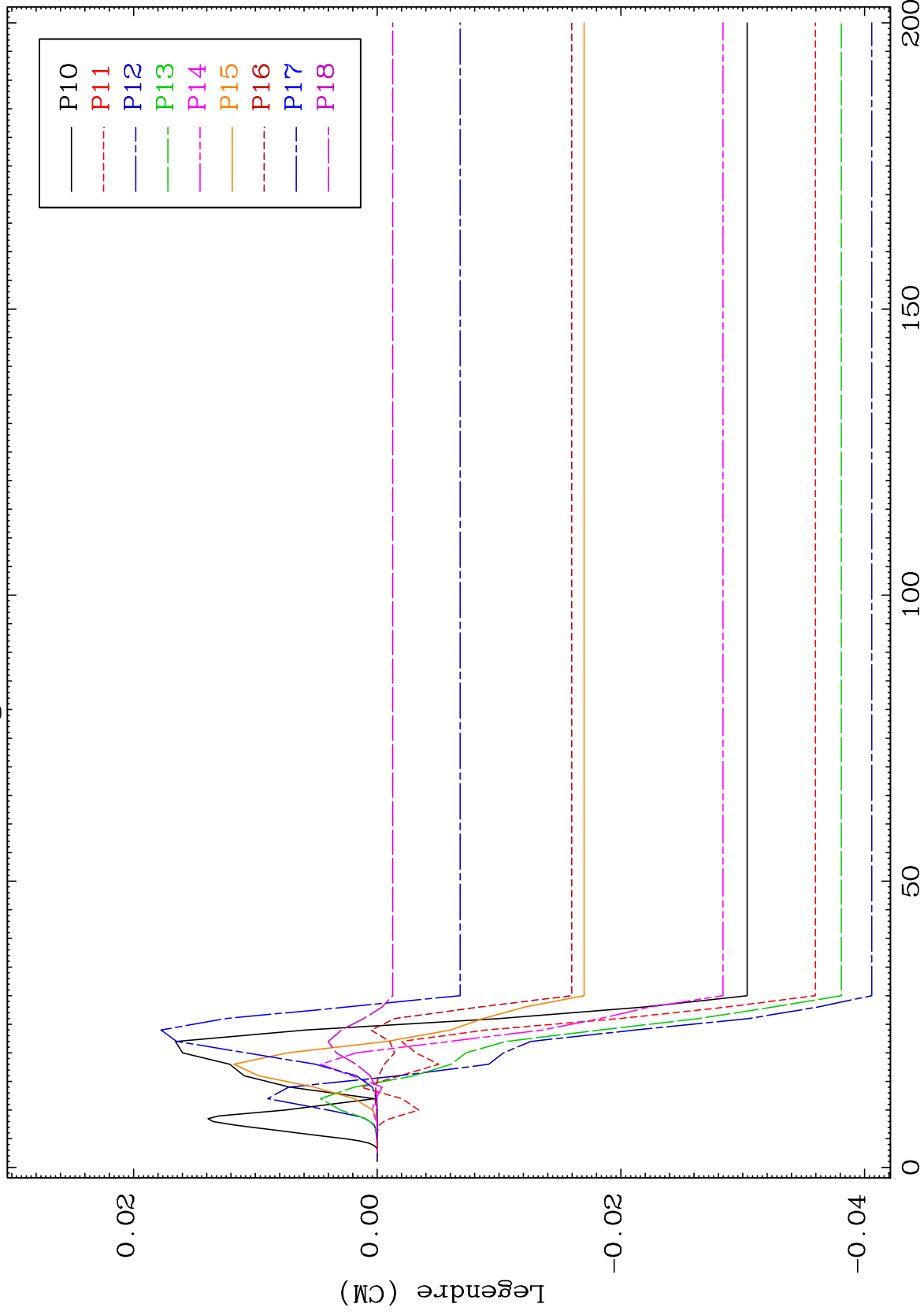
111



MAT 7022

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

70-Yb-167



113

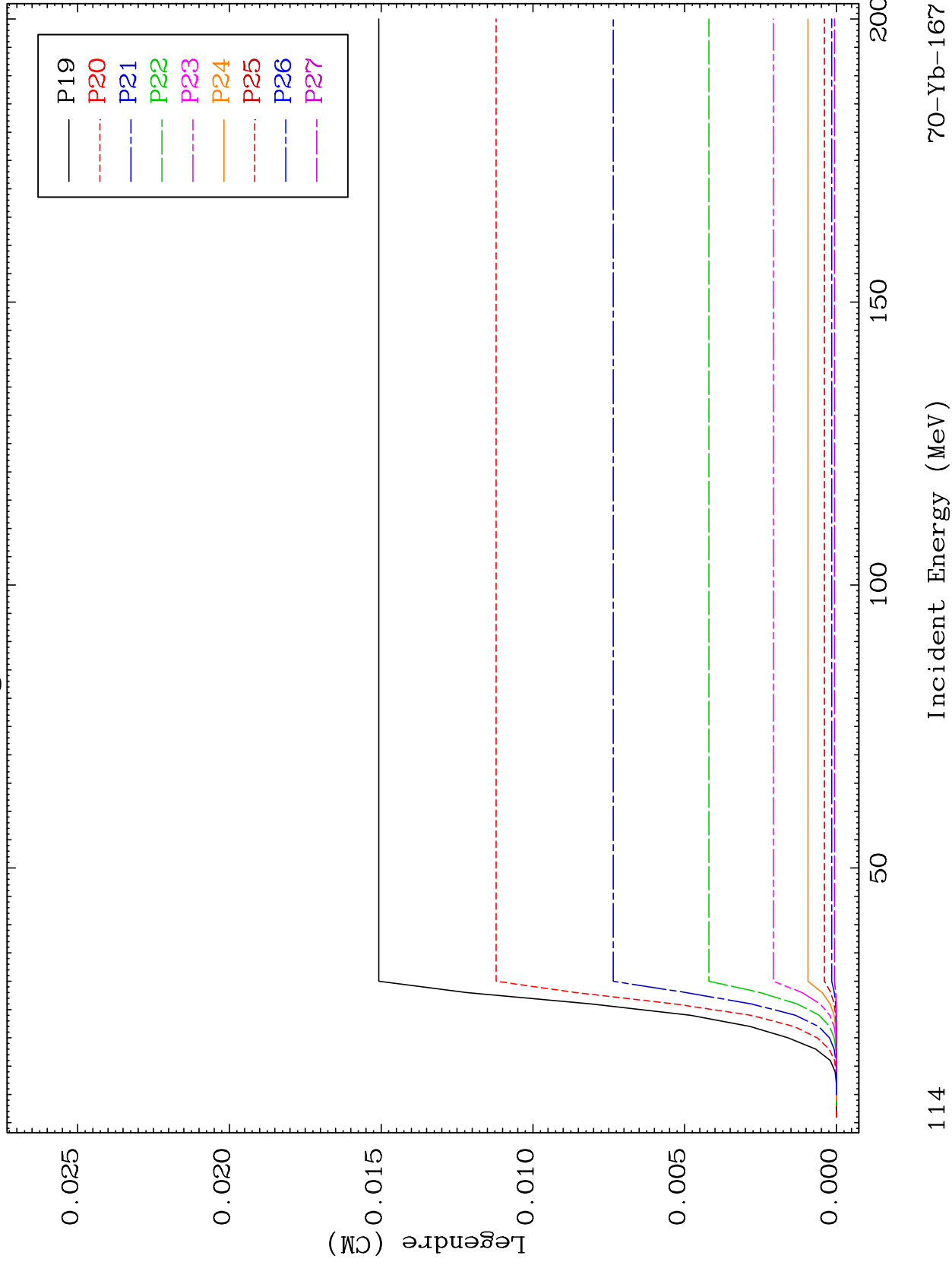
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



114

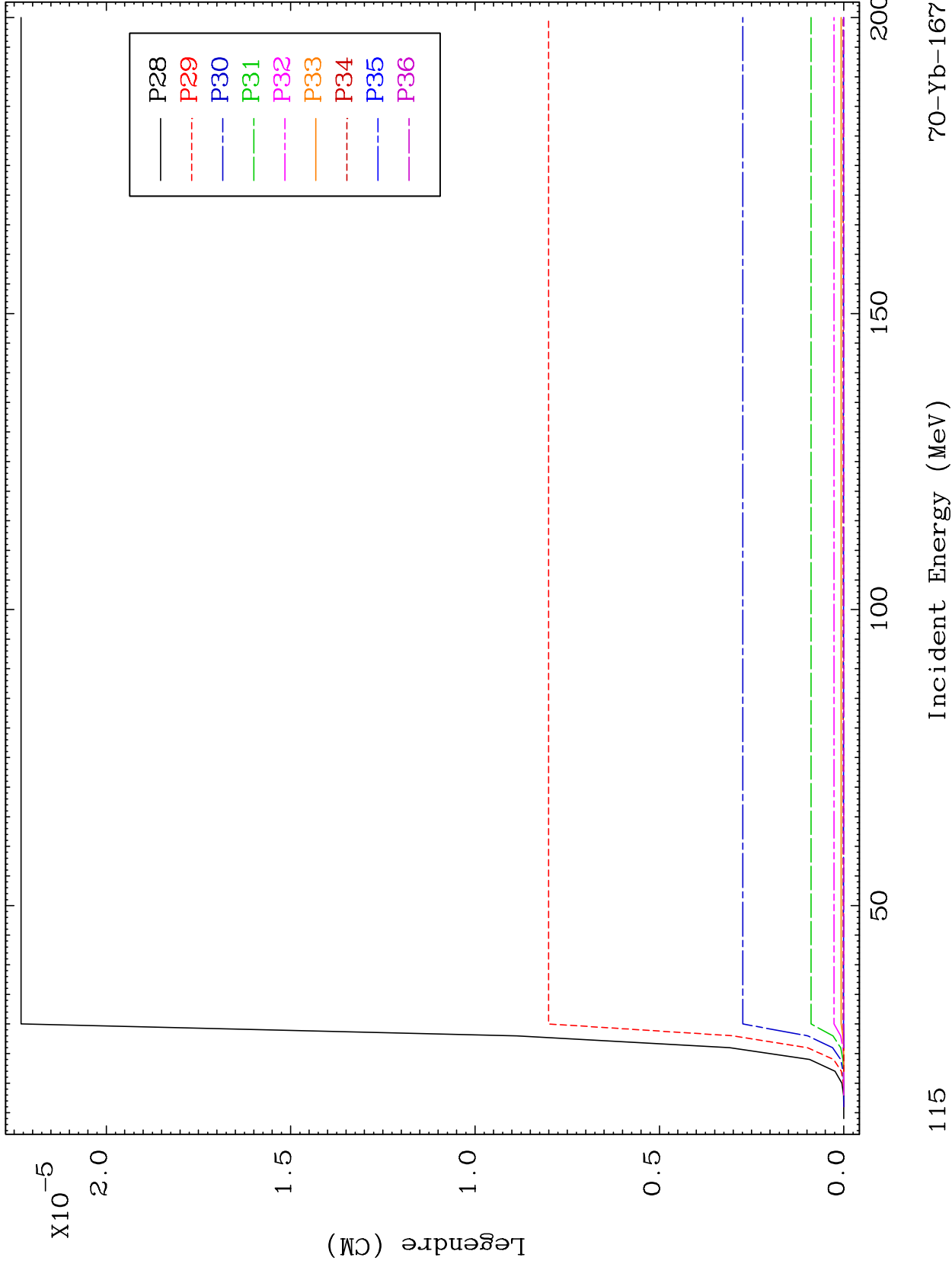
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

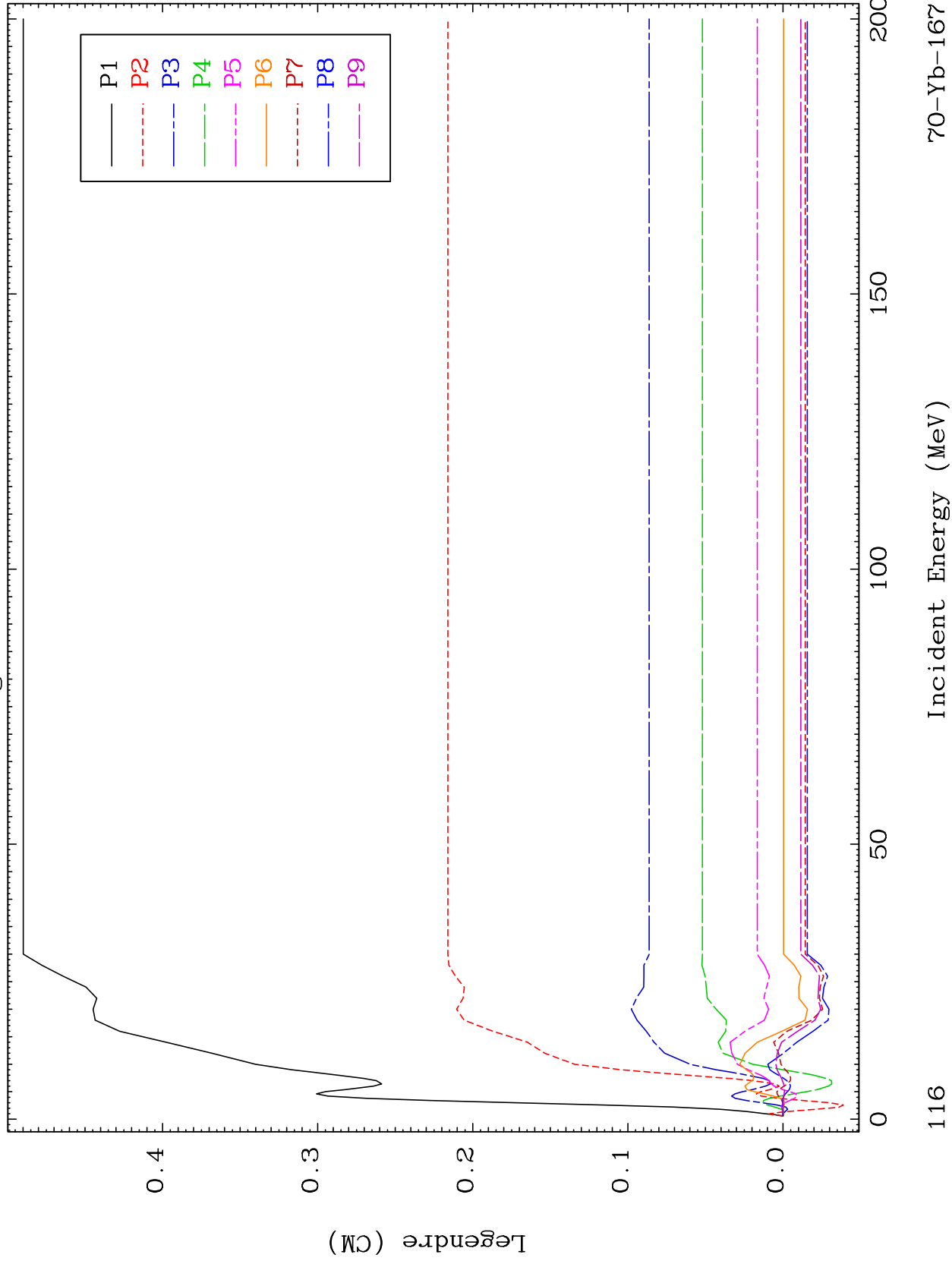
70-Yb-167



MAT 7022

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

70-Yb-167



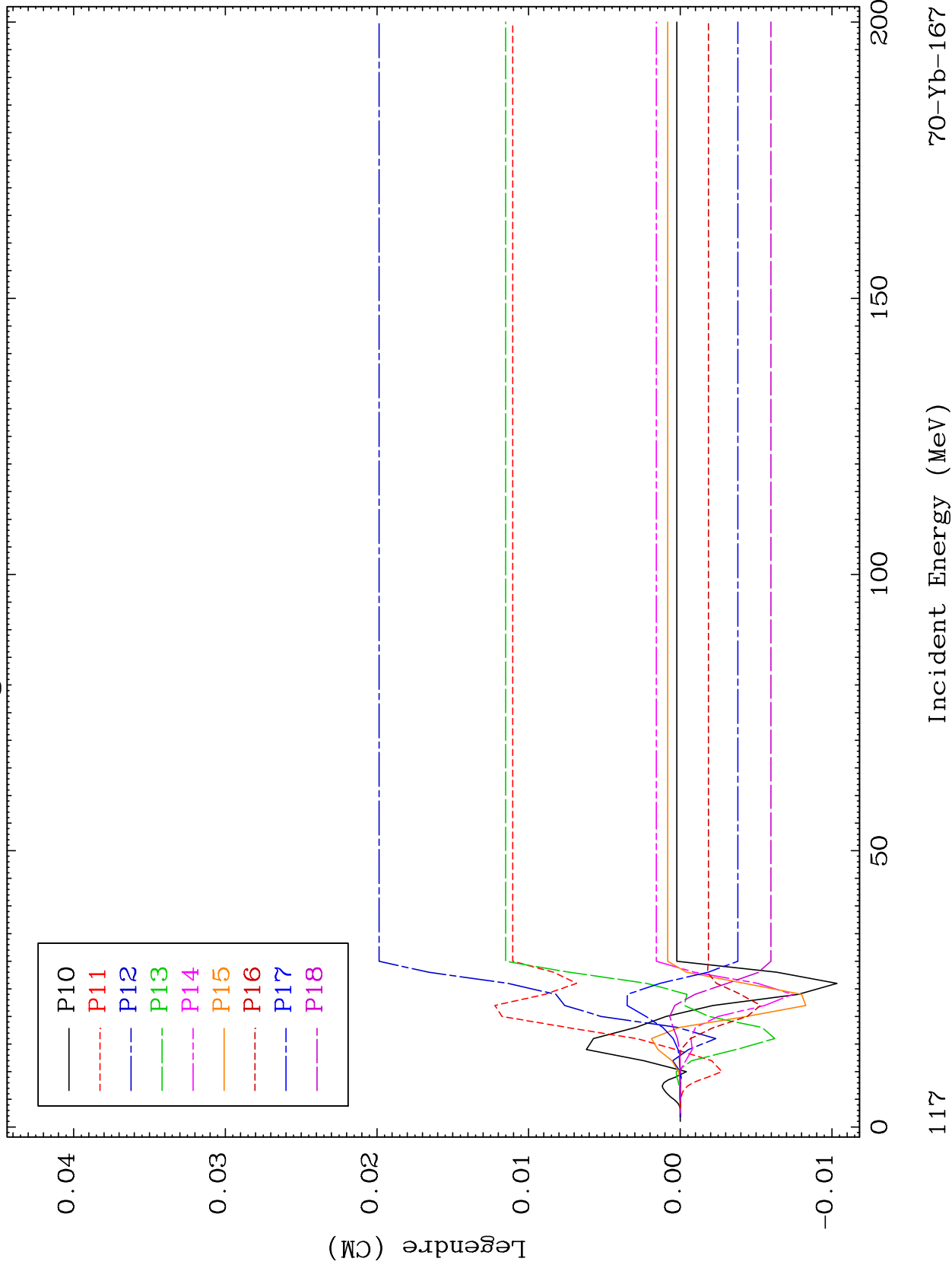
116

70-Yb-167

MAT 70222

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

70-Yb-167



117

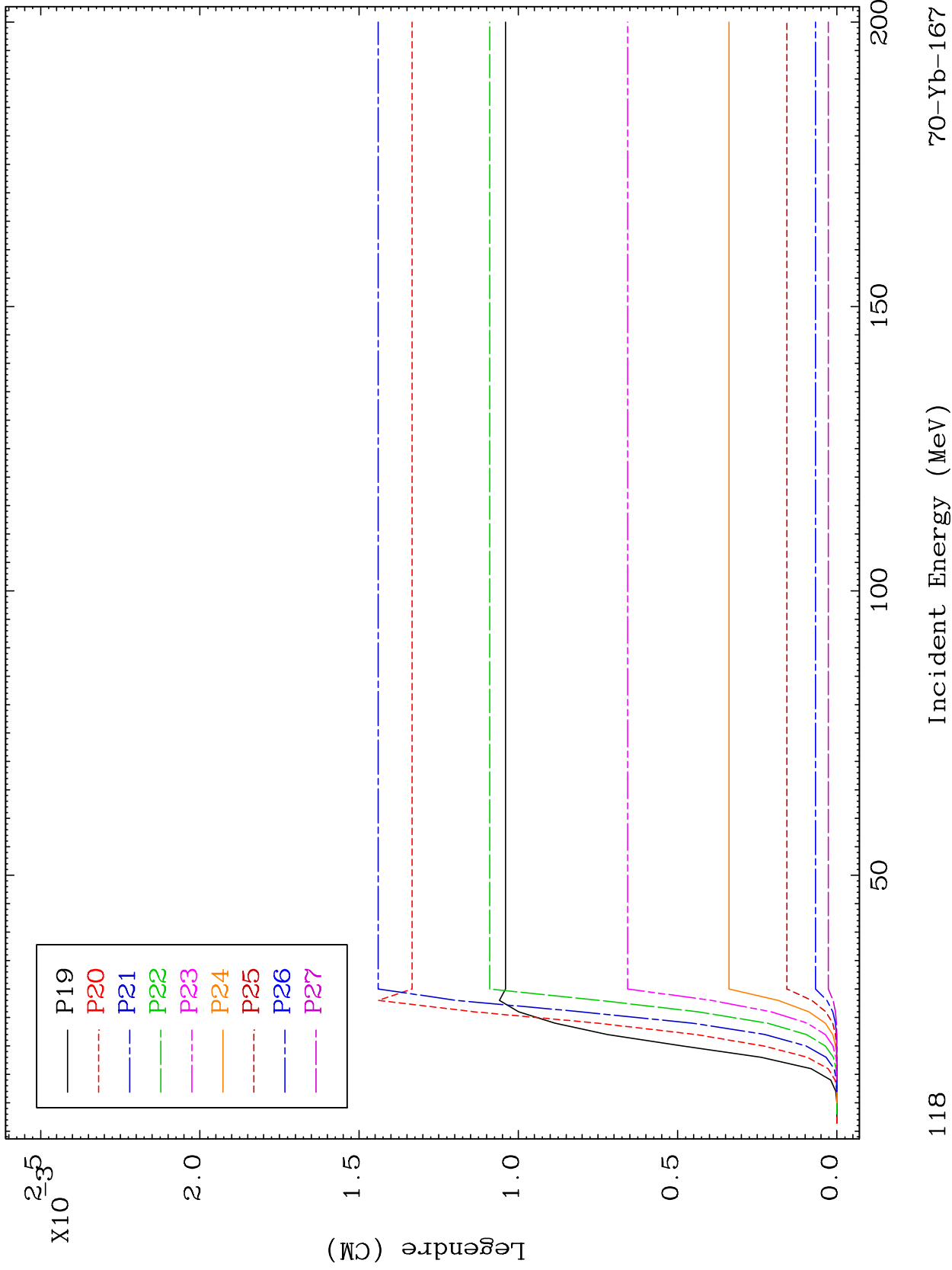
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

70-Yb-167



118

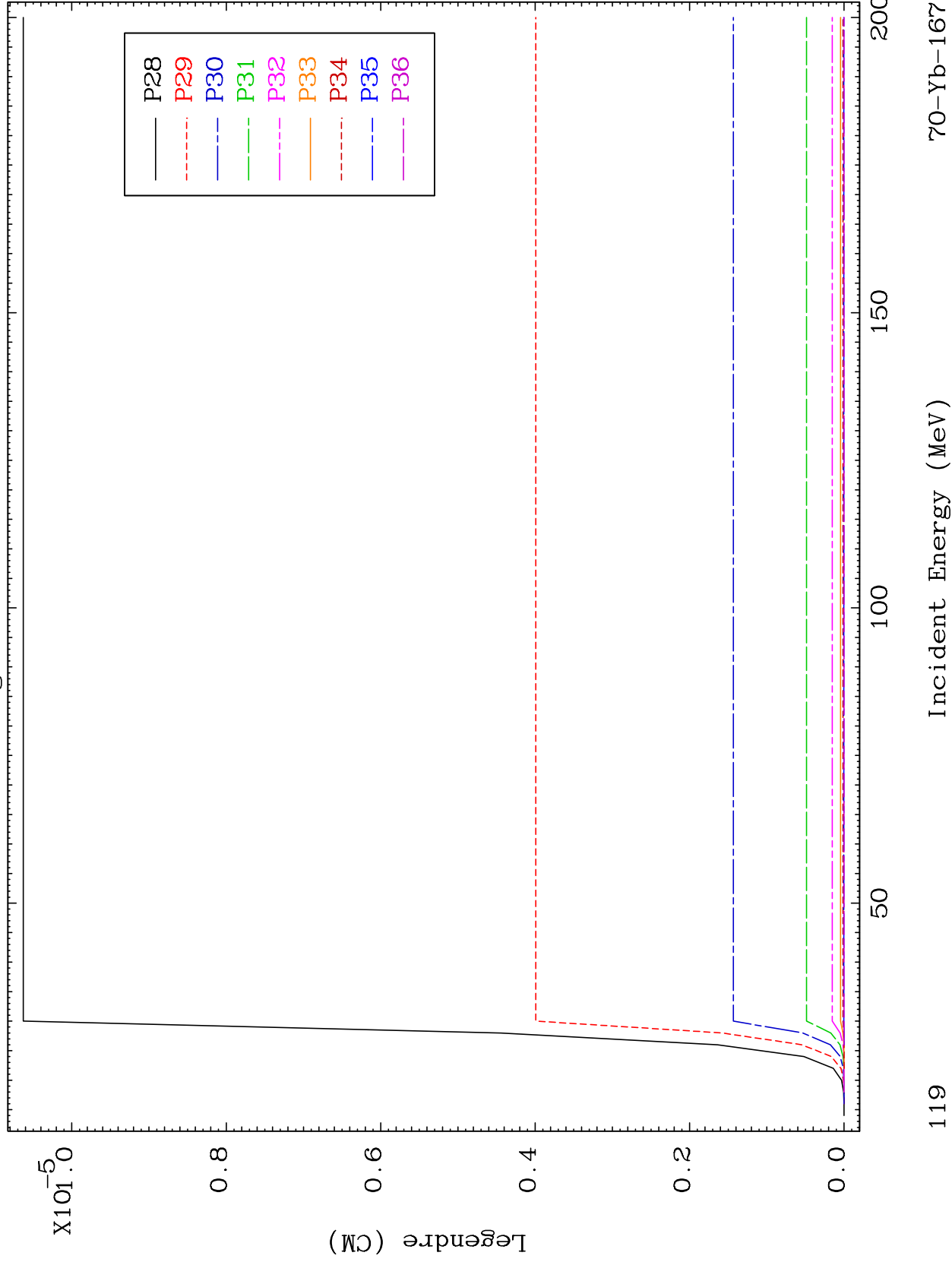
Incident Energy (MeV)

70-Yb-167

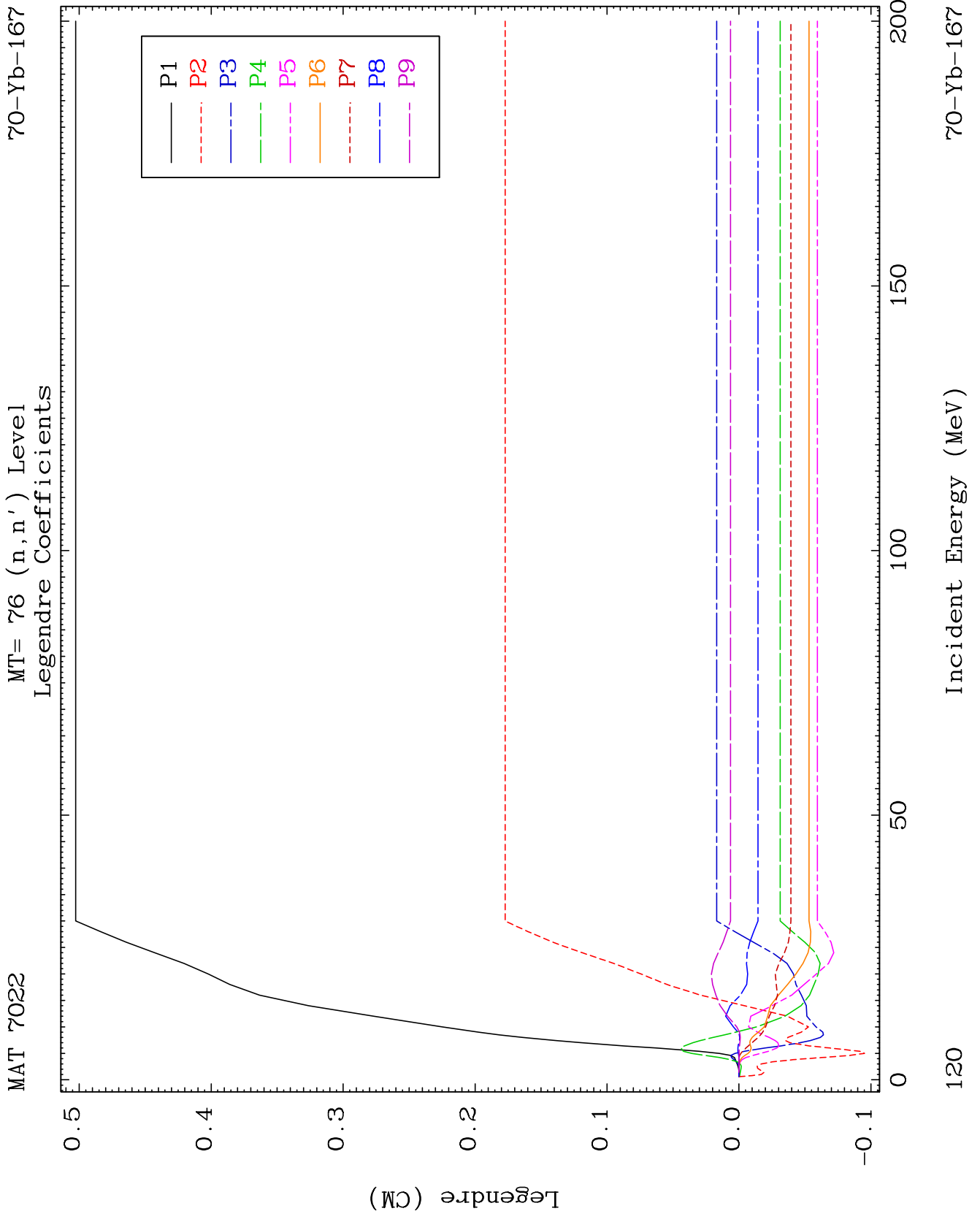
MAT 7022

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

70-Yb-167



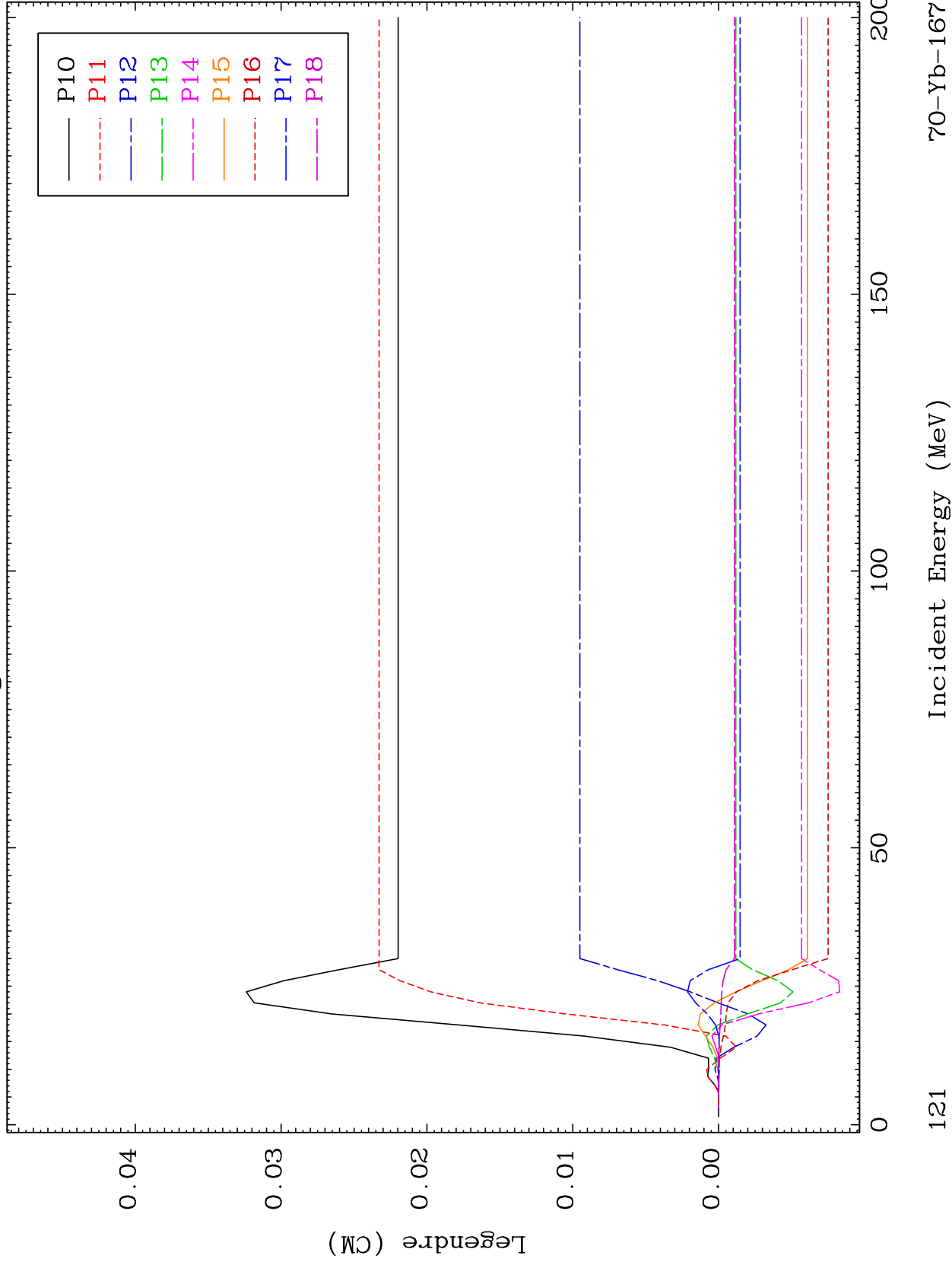
119



MAT 7022

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

70-Yb-167



121

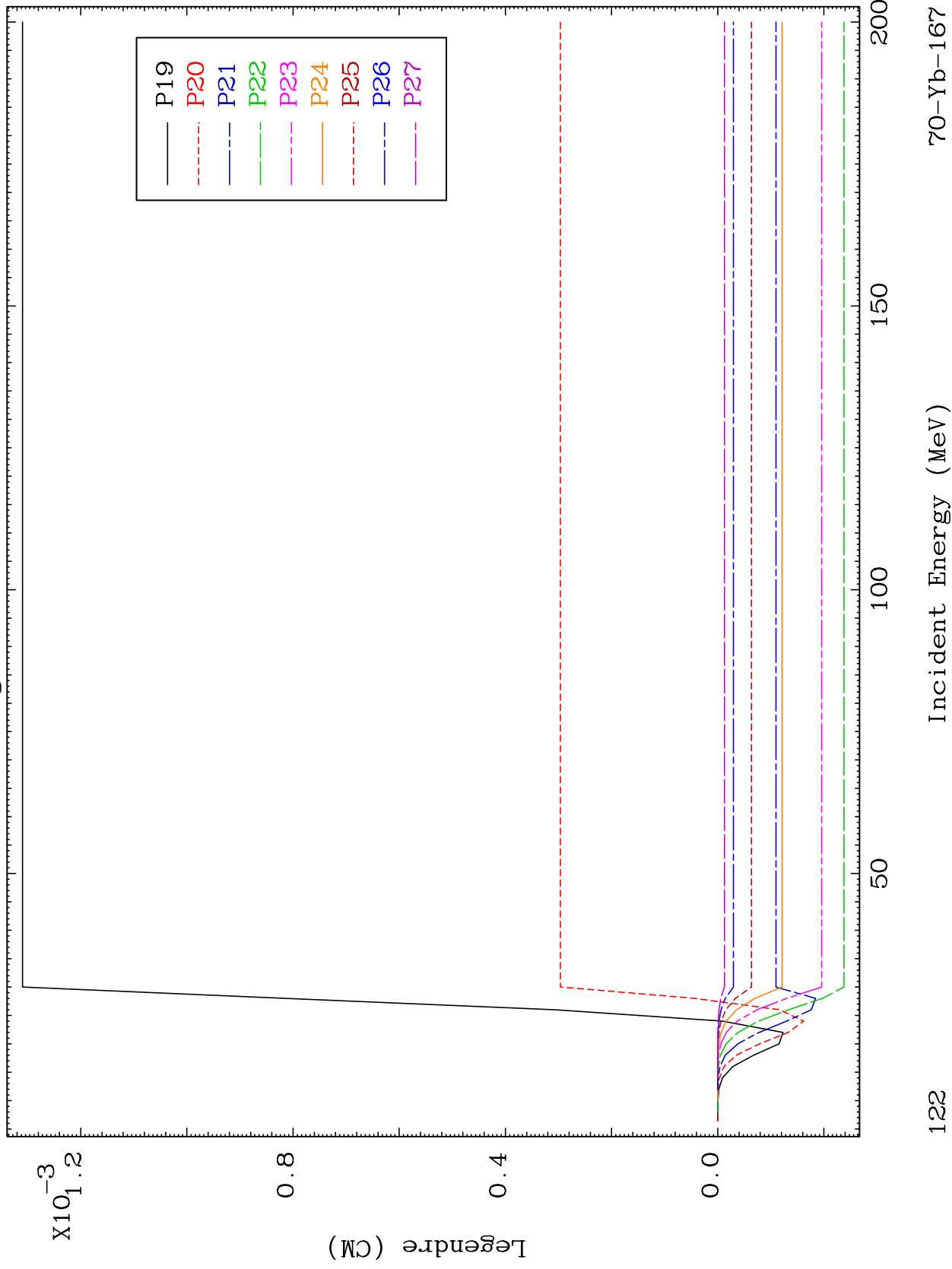
Incident Energy (MeV)

70-Yb-167

MAT 7022

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

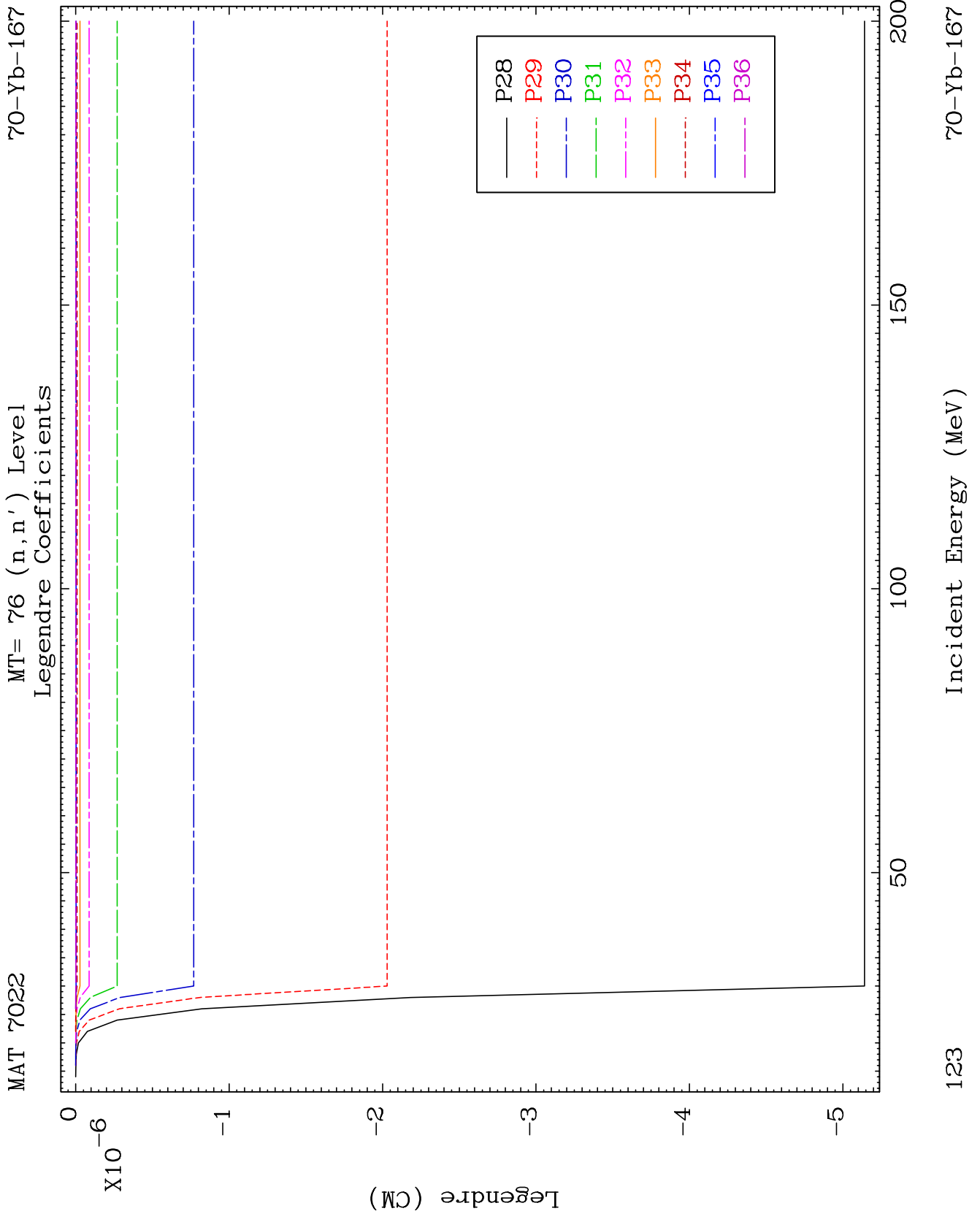
70-Yb-167

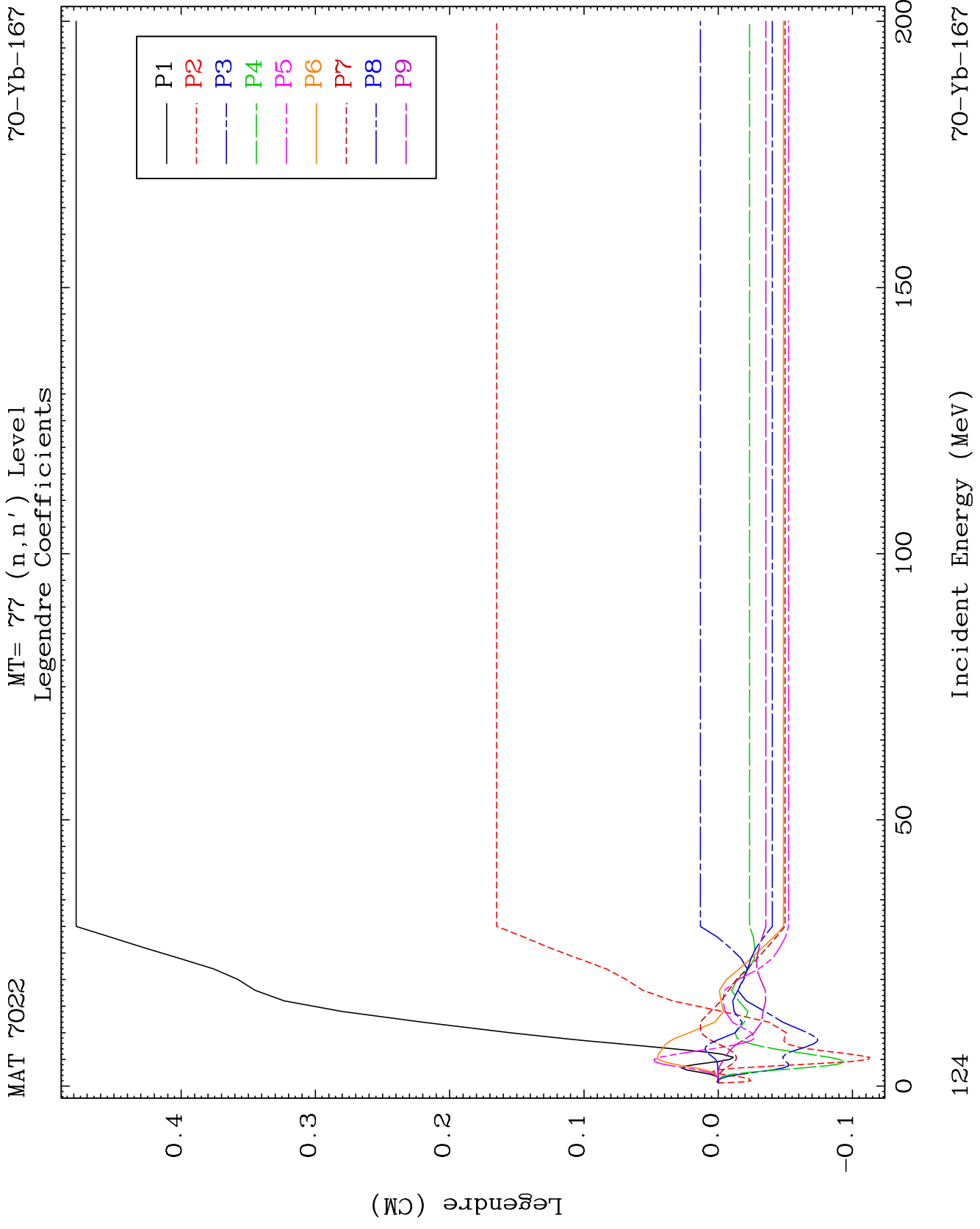


122

Incident Energy (MeV)

70-Yb-167

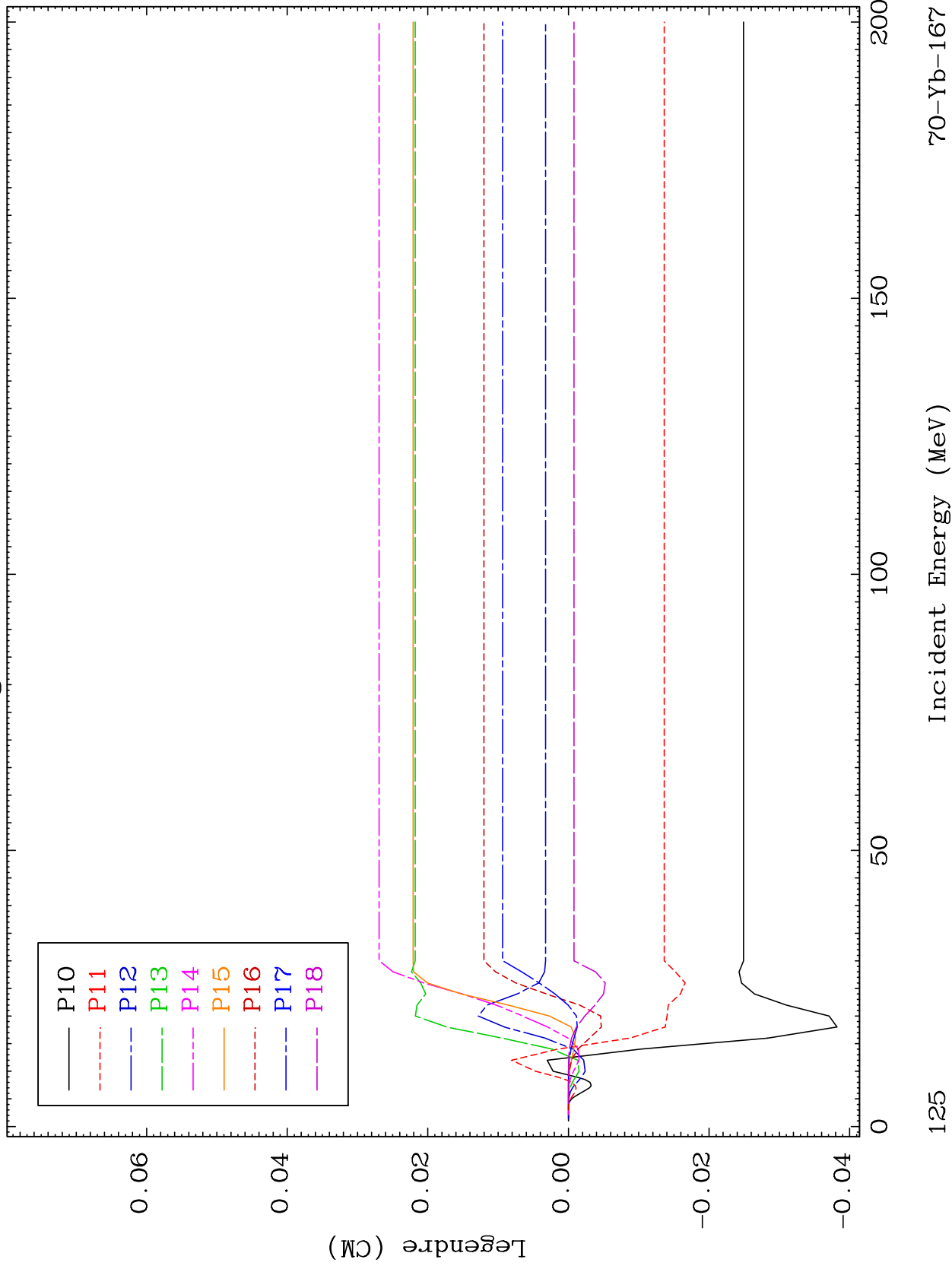




MAT 7022

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

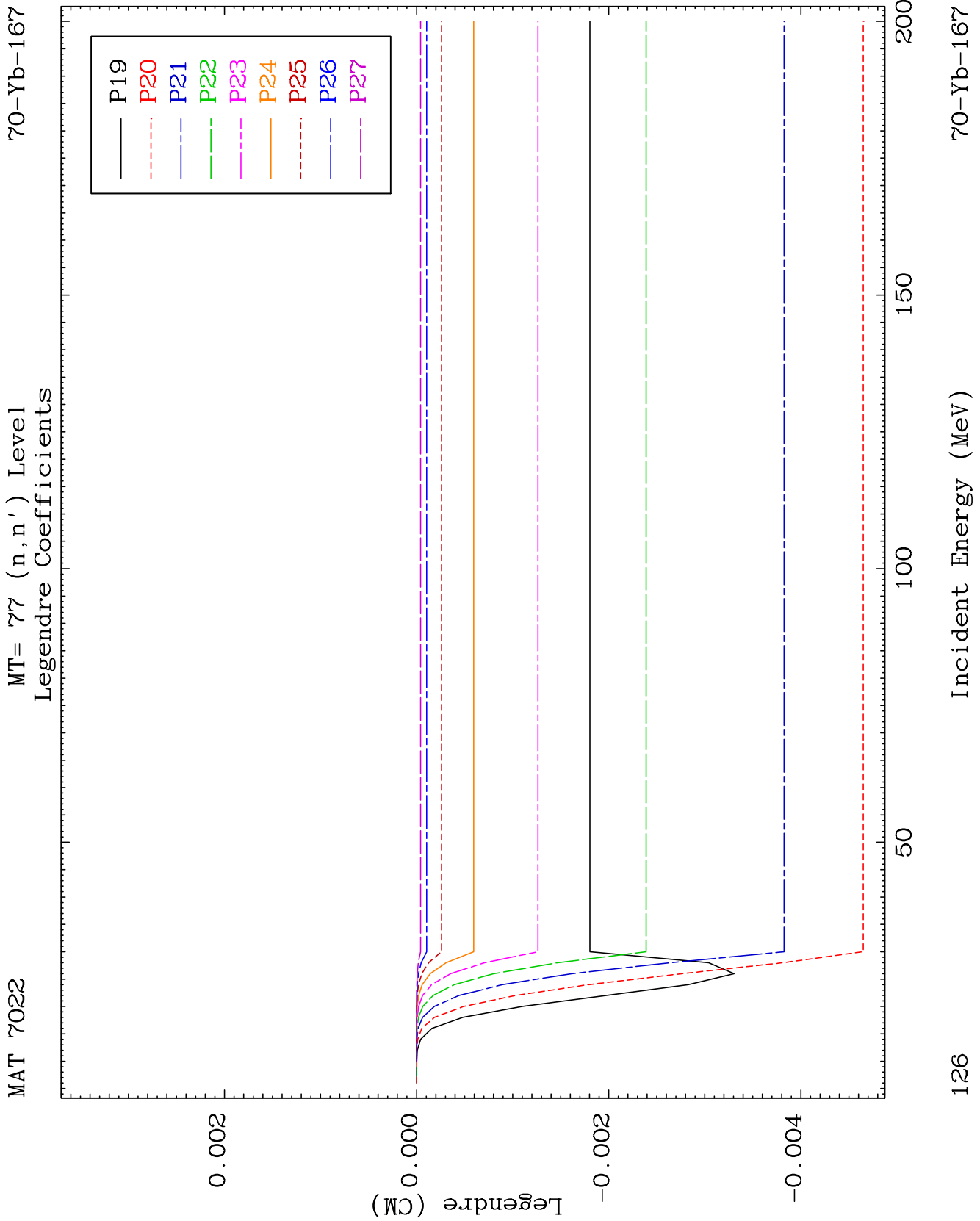
70-Yb-167

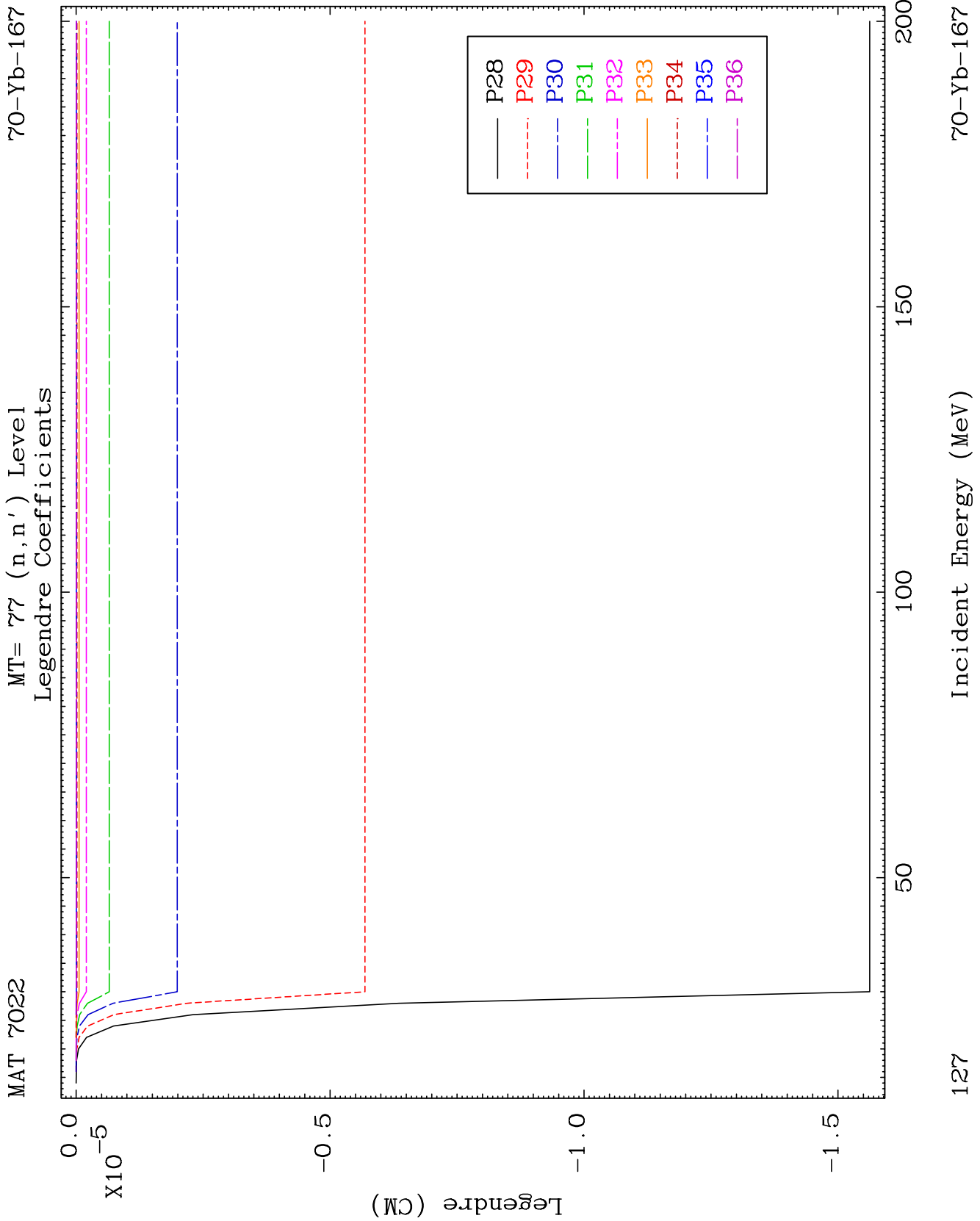


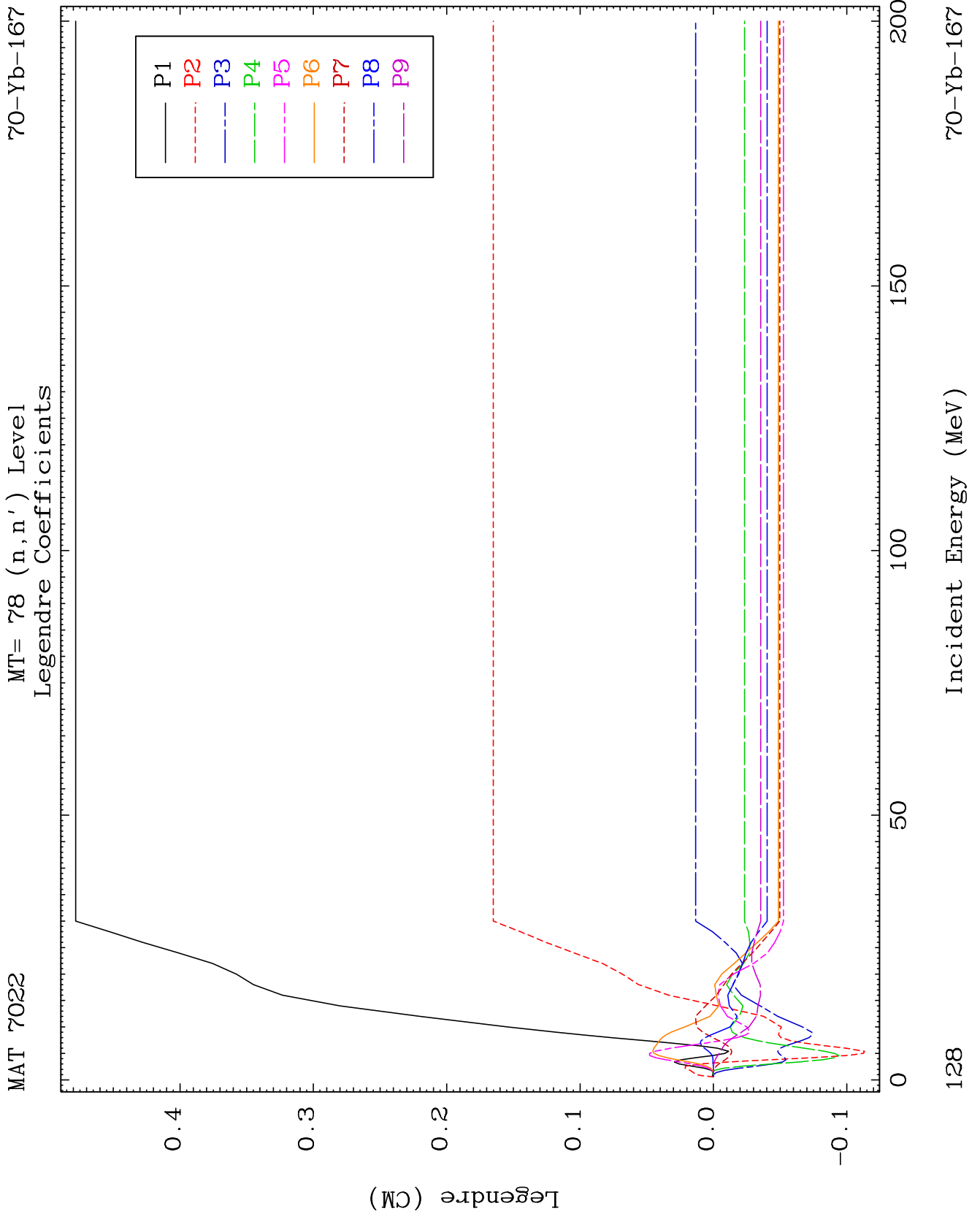
70-Yb-167

Incident Energy (MeV)

125



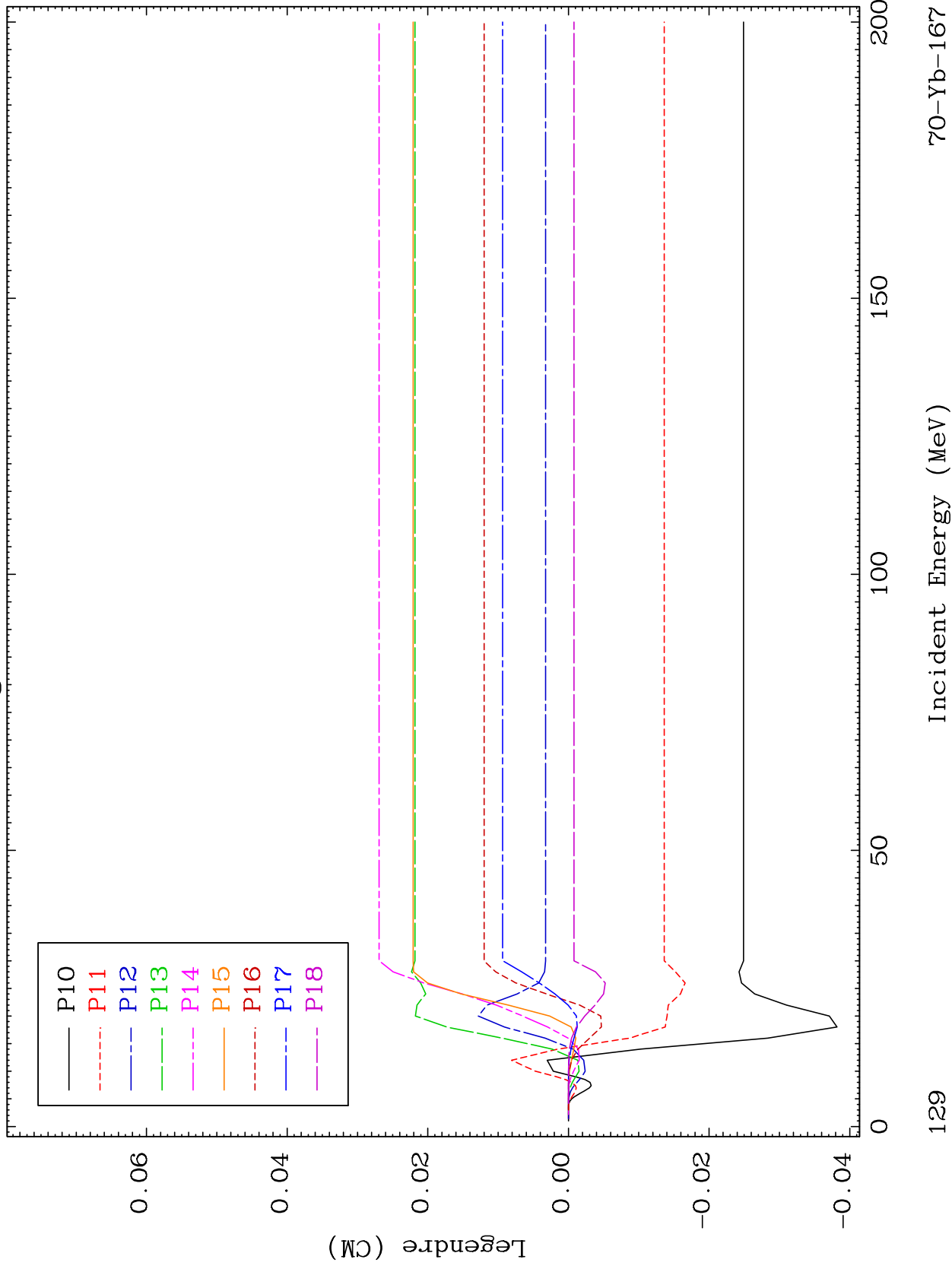




MAT 7022

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

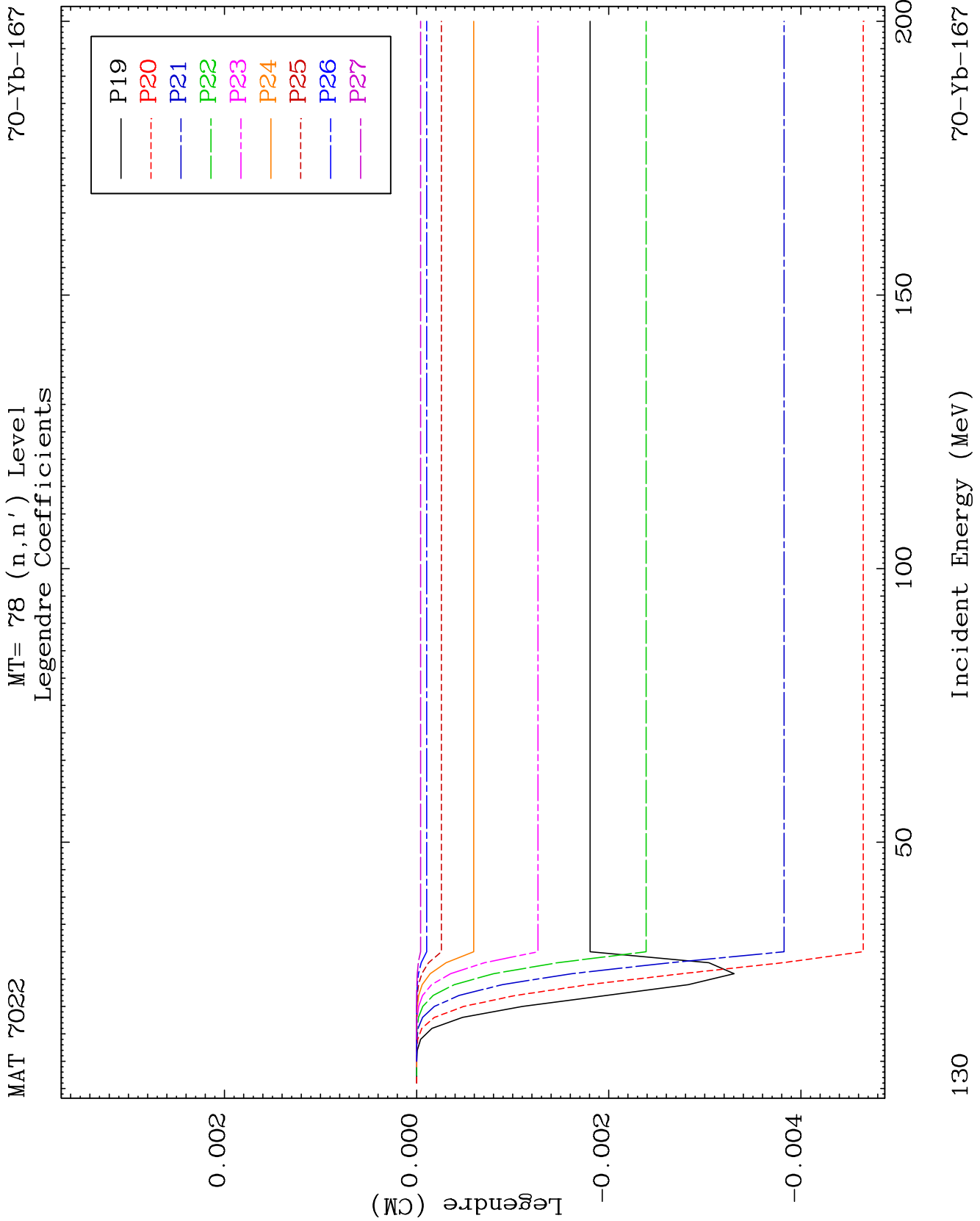
70-Yb-167

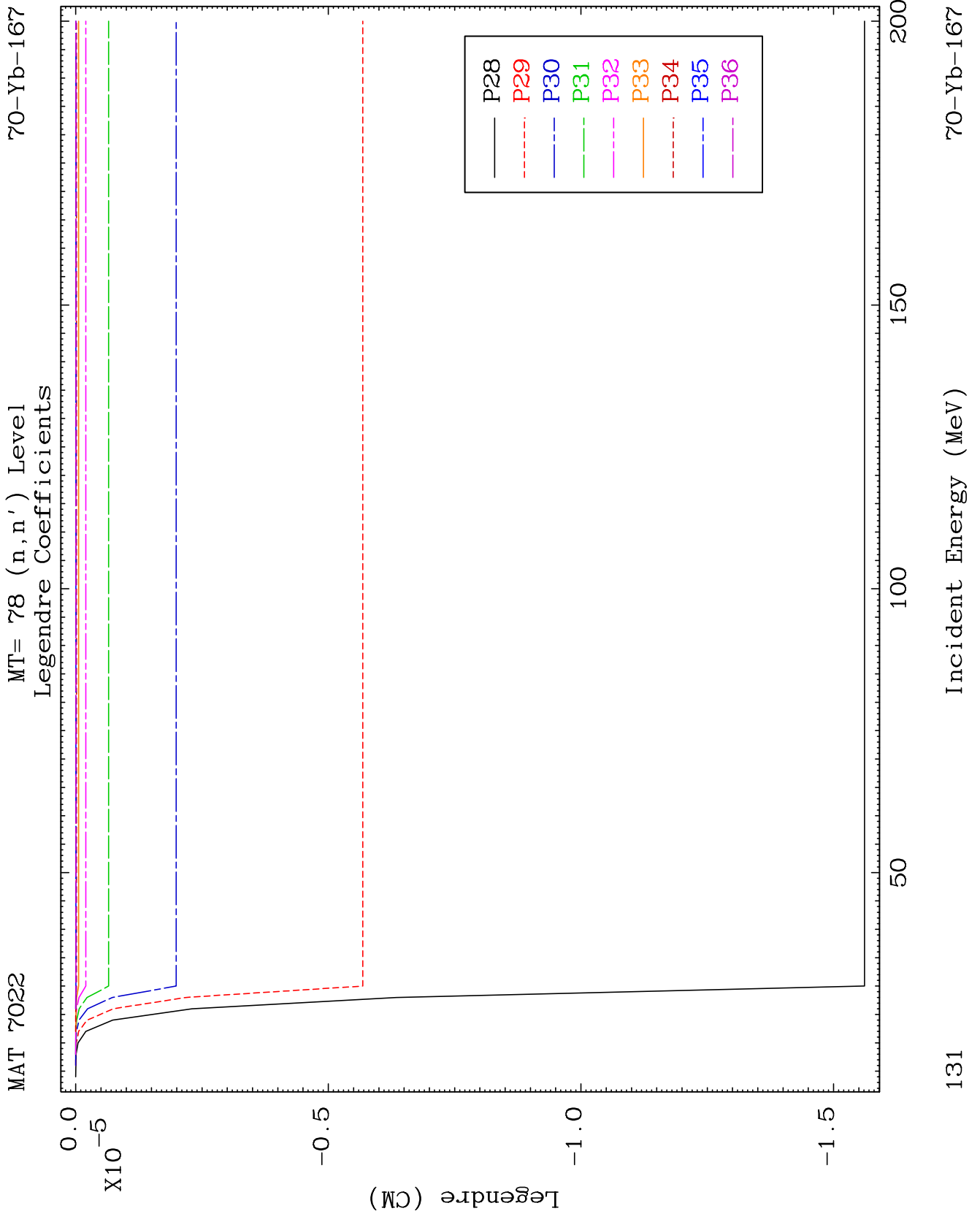


70-Yb-167

Incident Energy (MeV)

129

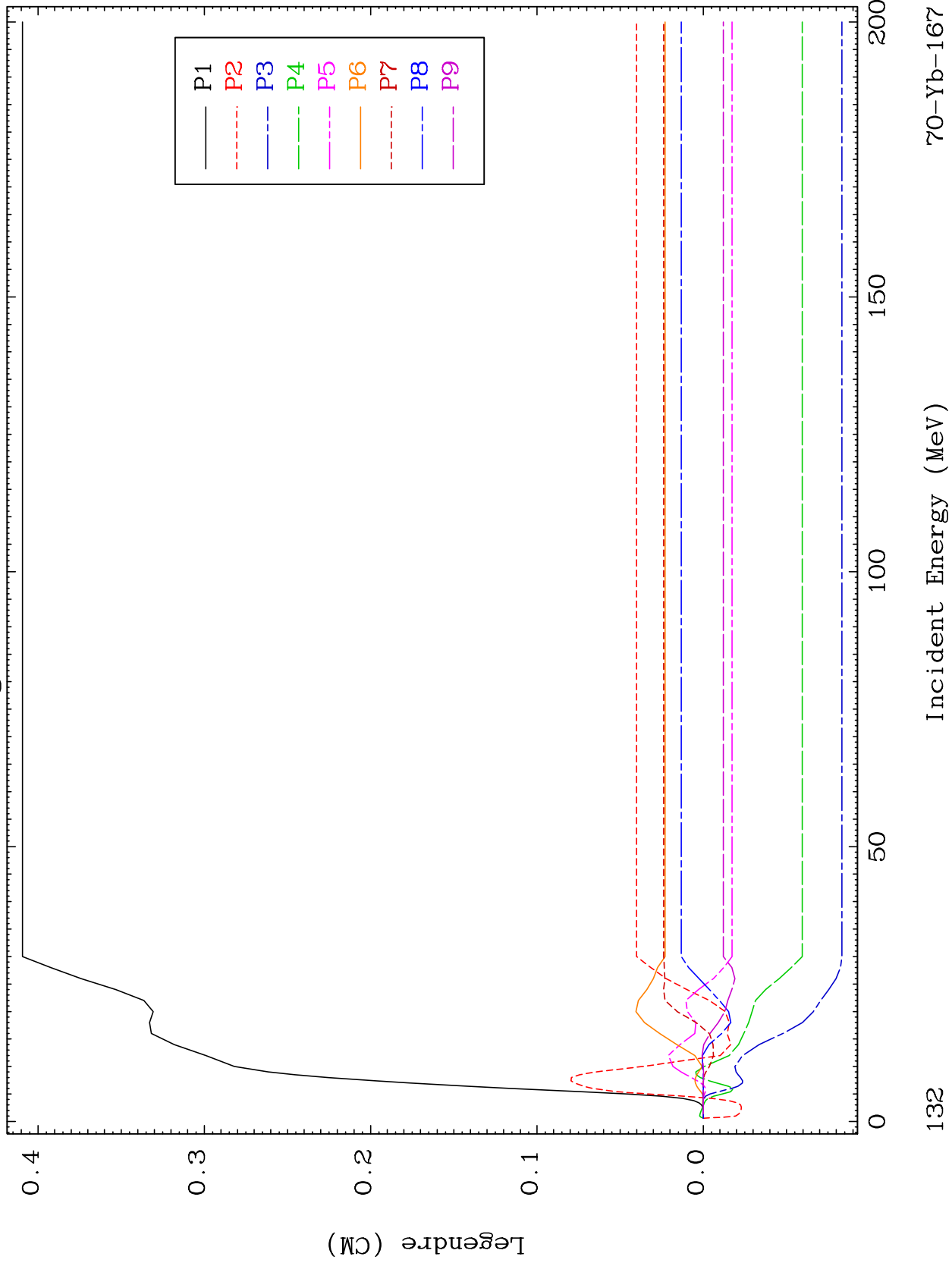




MAT 7022

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

70-Yb-167

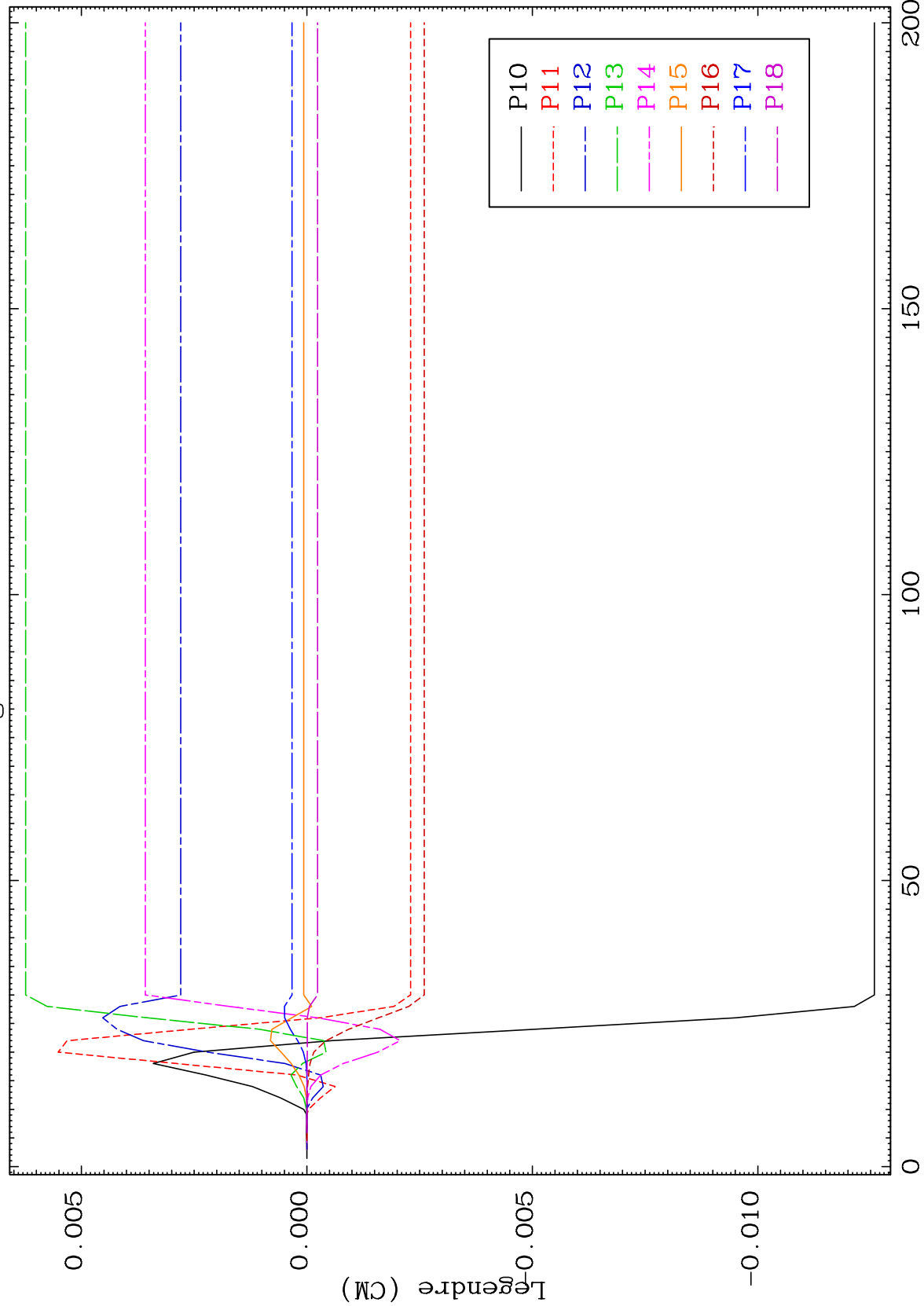


132

MAT 7022

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

70-Yb-167



133

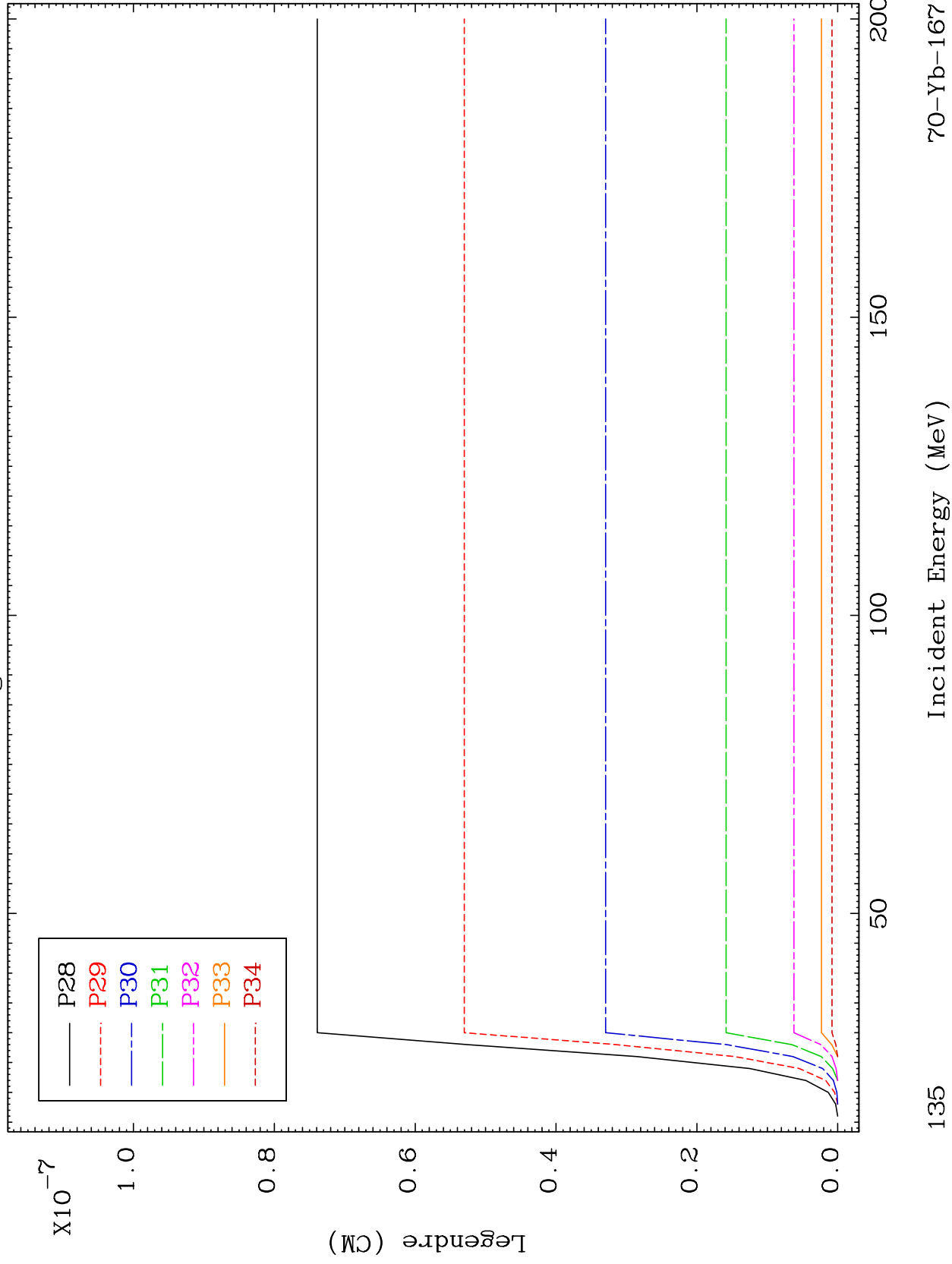
Incident Energy (MeV)

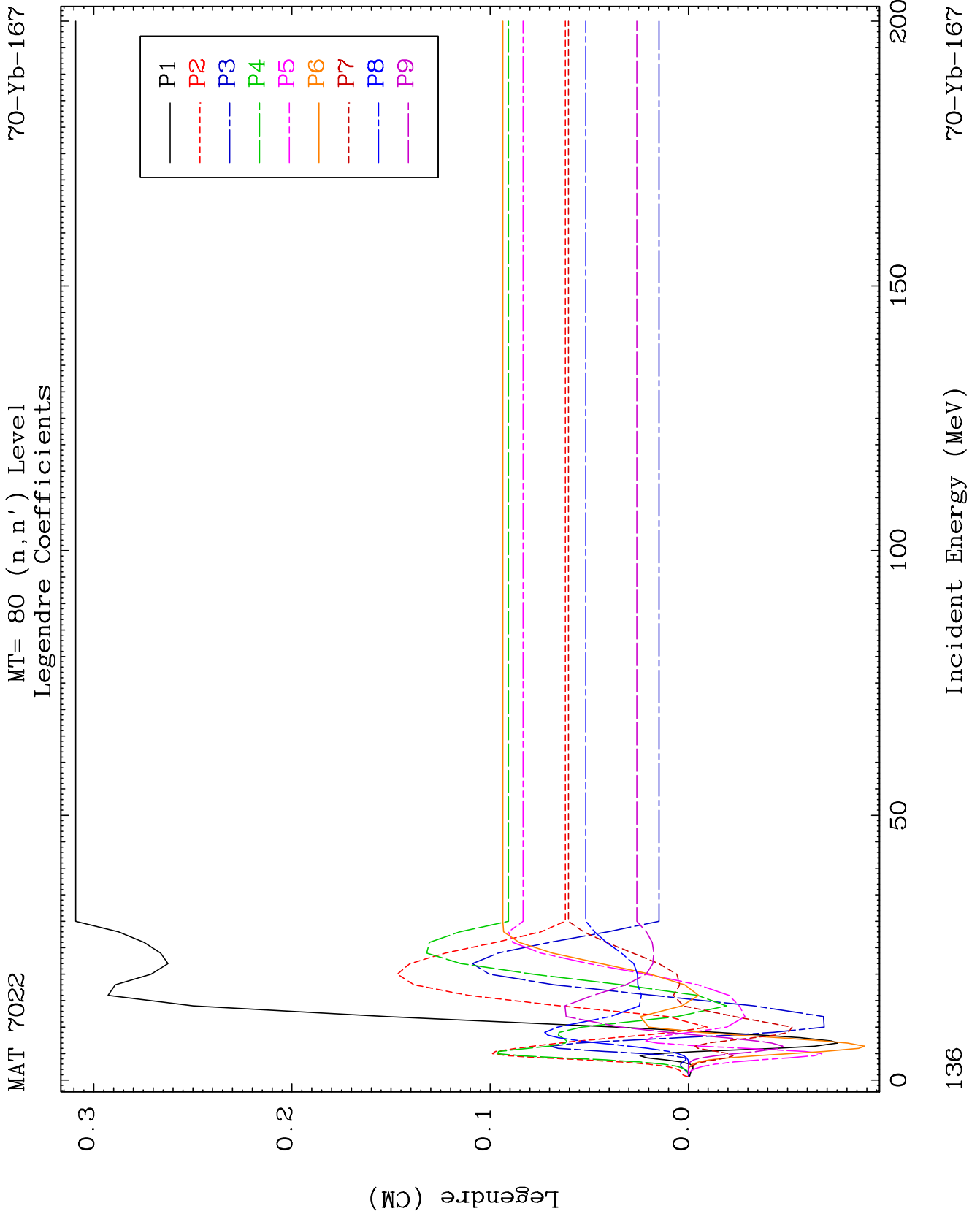
70-Yb-167

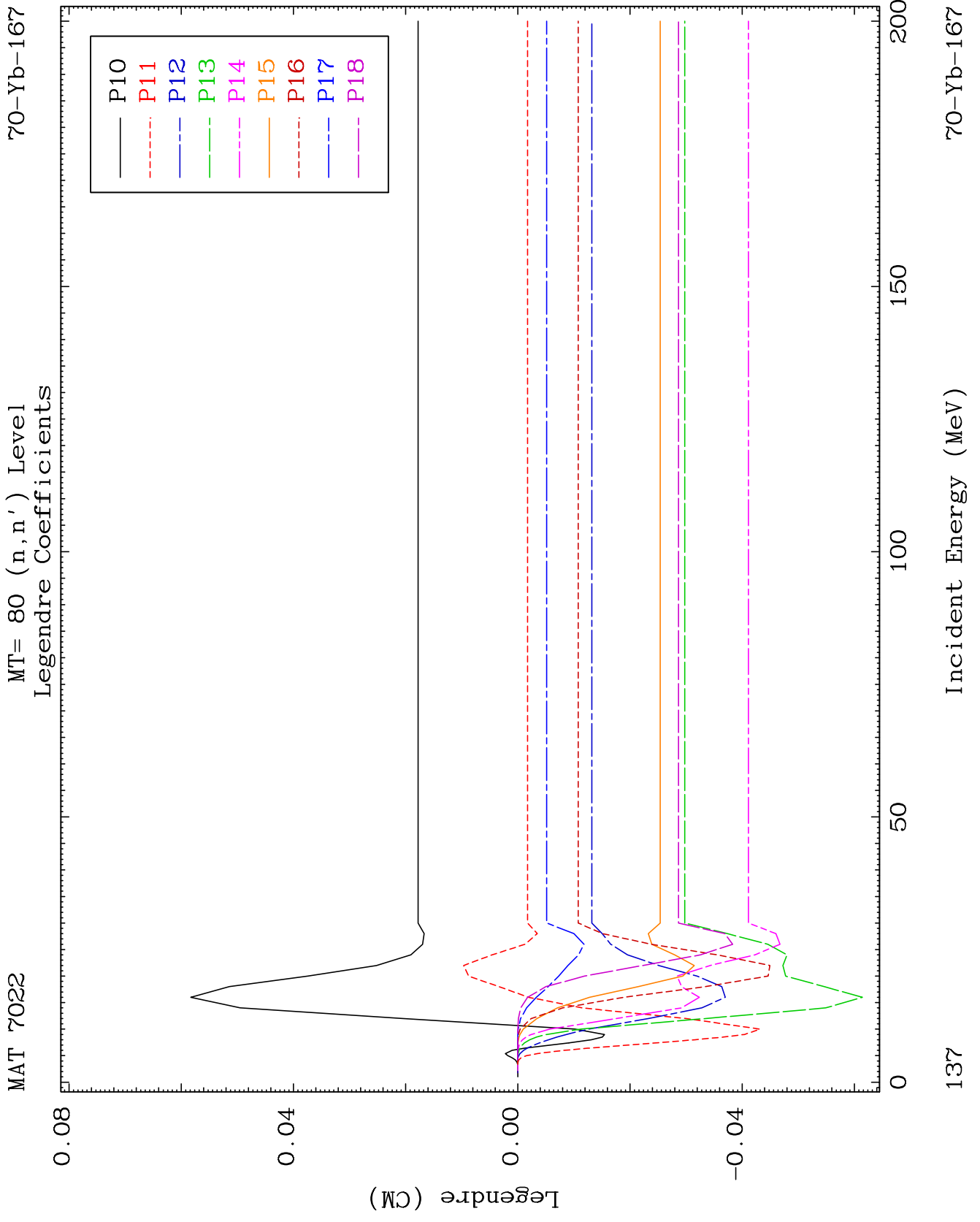
MAT 7022

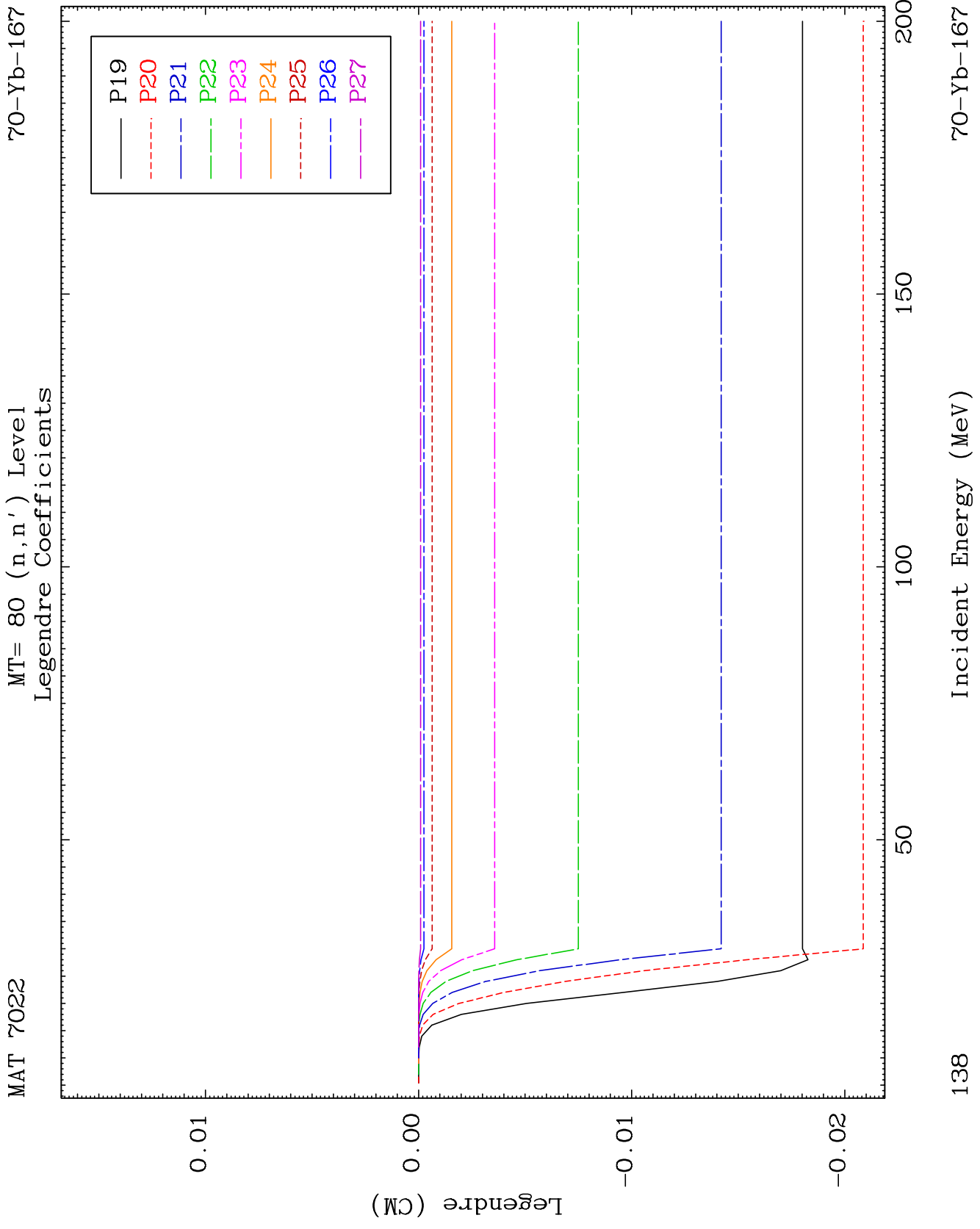
MT= 79 (n,n') Level
Legendre Coefficients

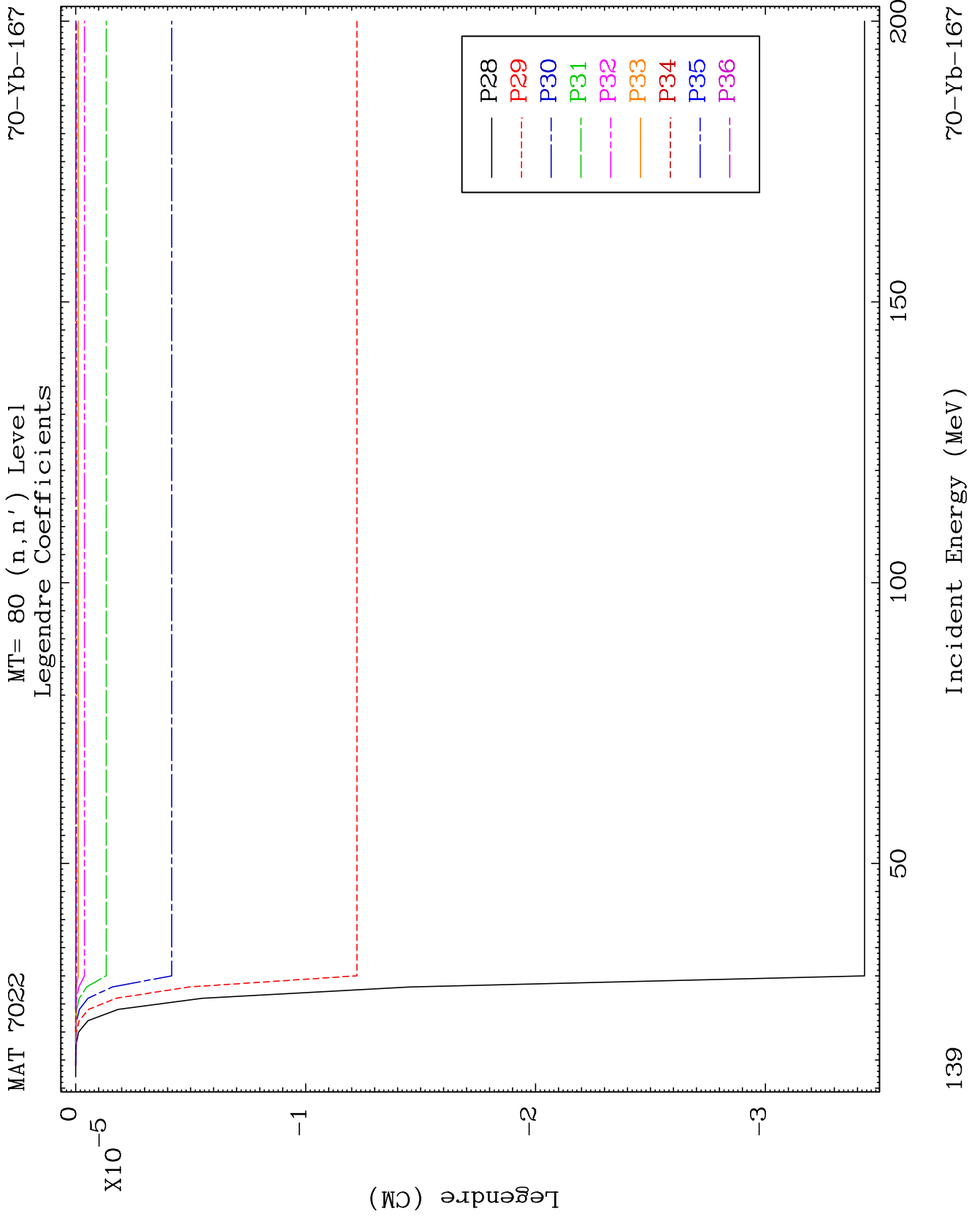
70-Yb-167

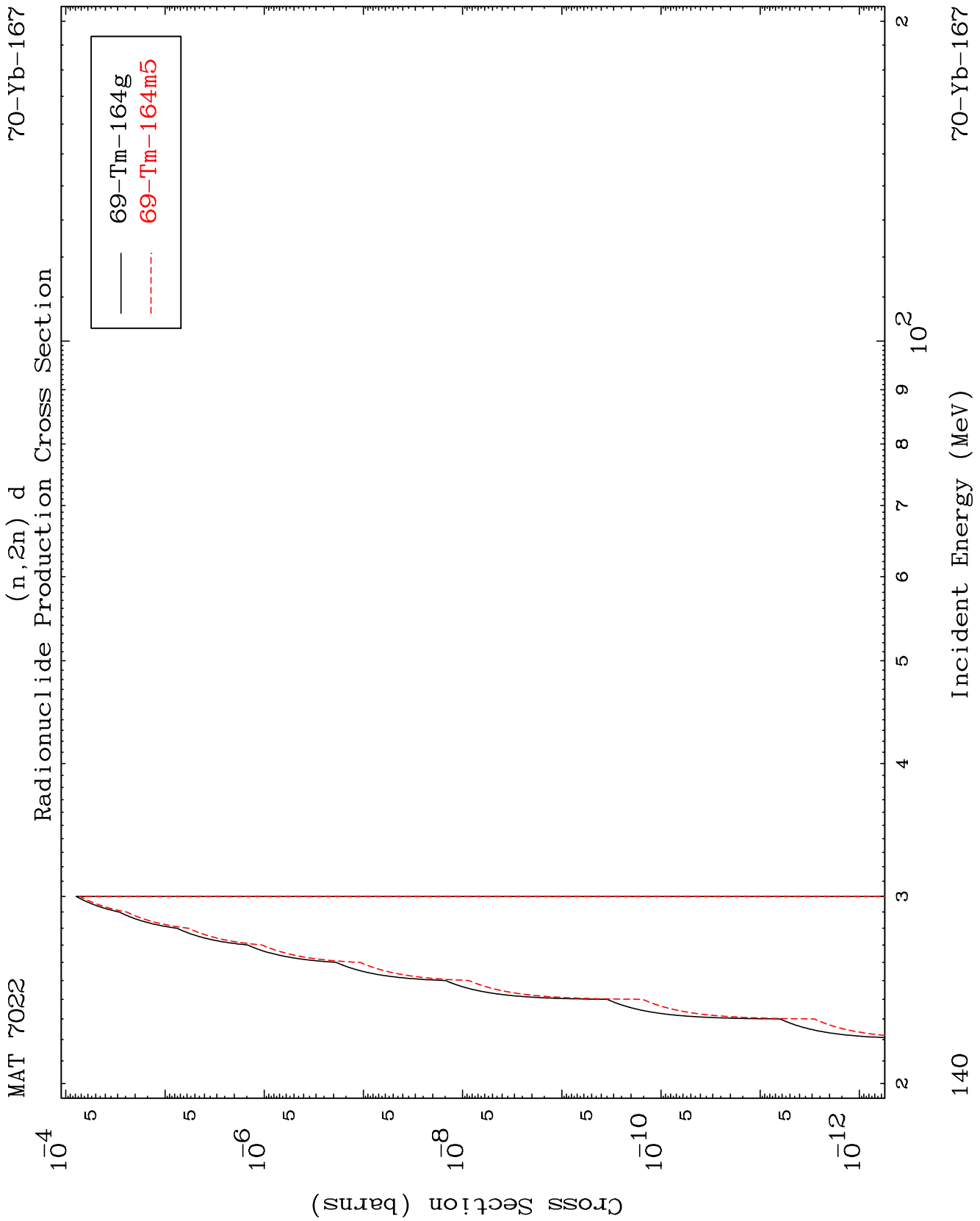




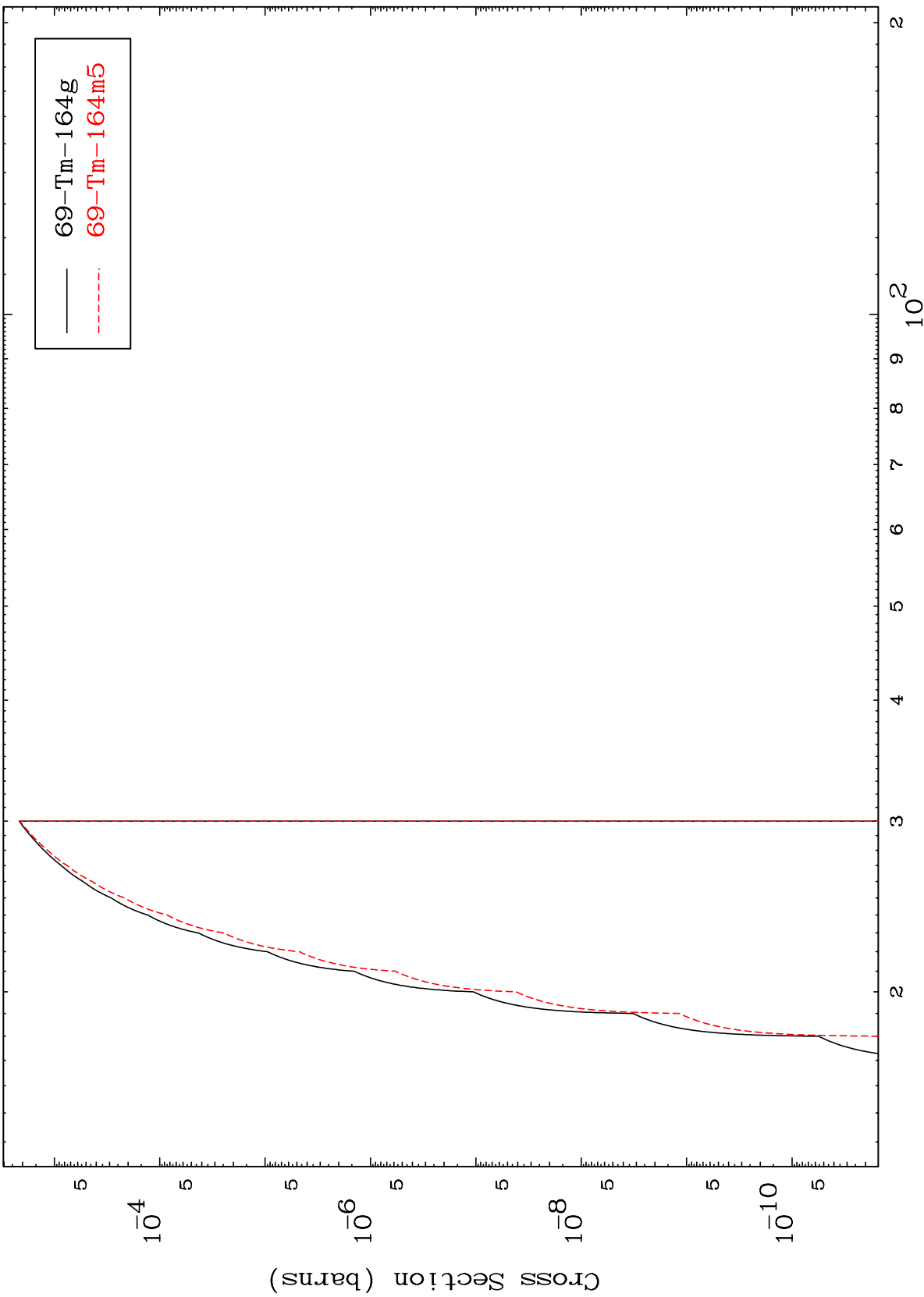




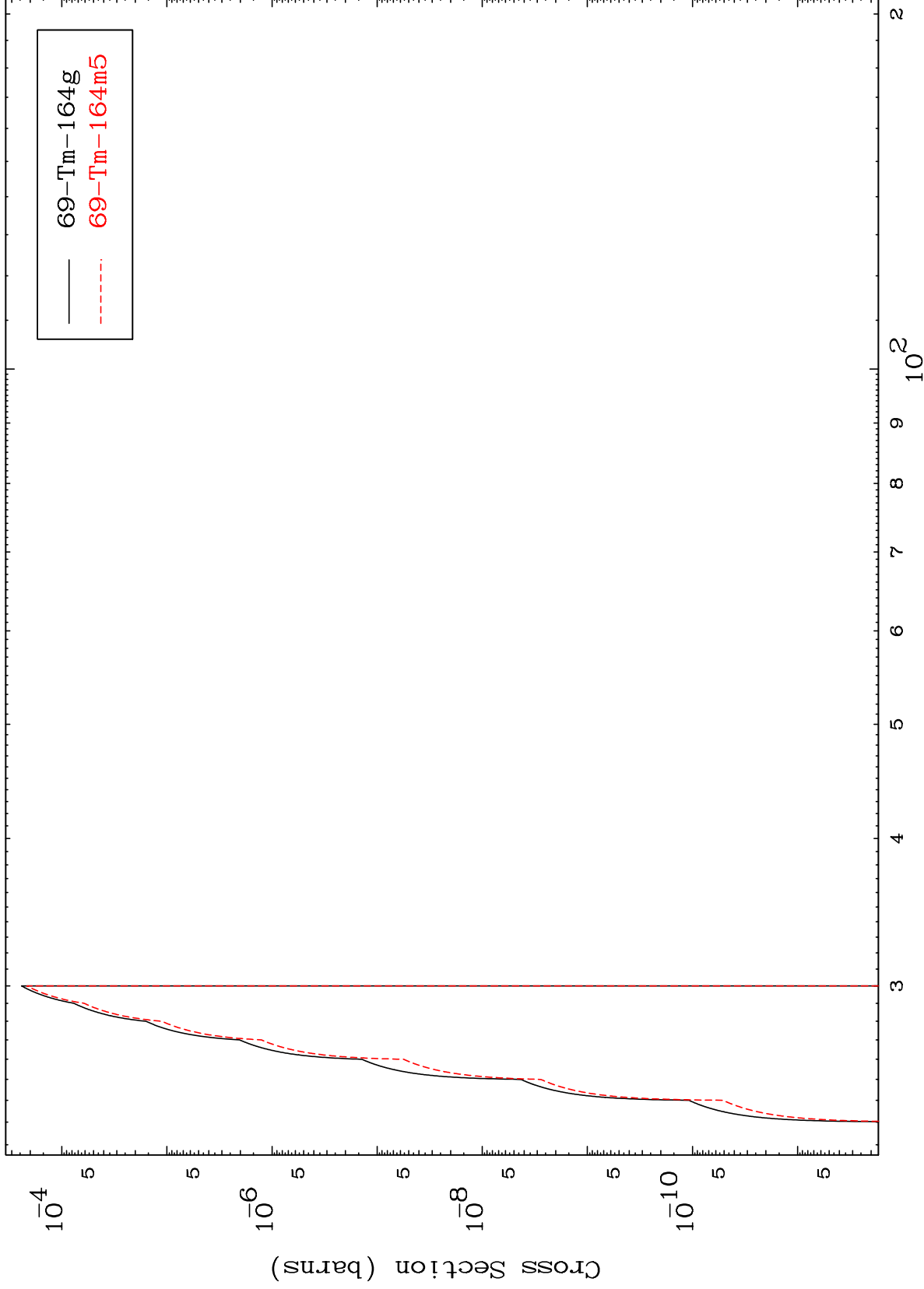




Radionuclide Production Cross Section



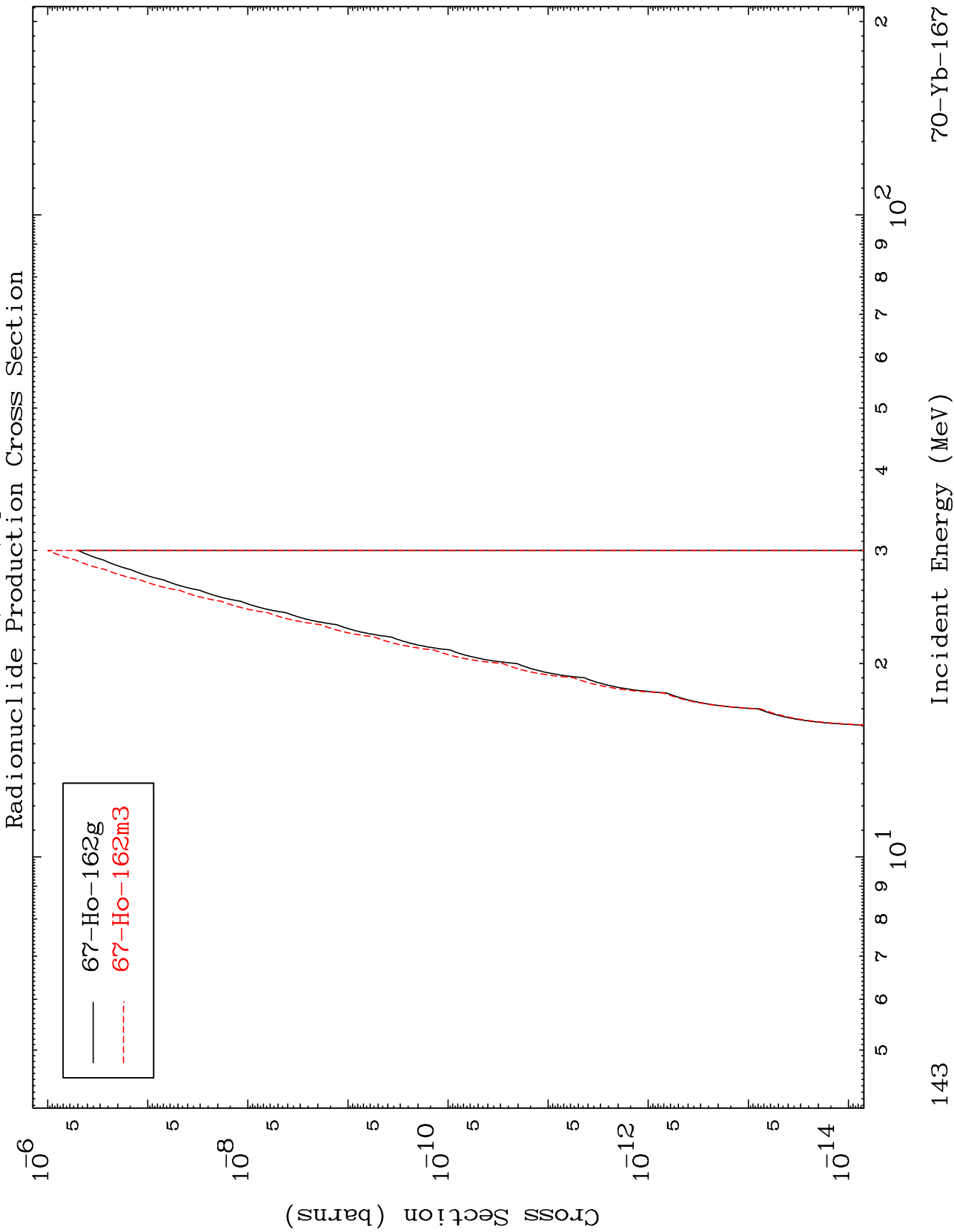
Radionuclide Production Cross Section



MAT 7022

(n,n') p α

70-Yb-167



143

Incident Energy (MeV)

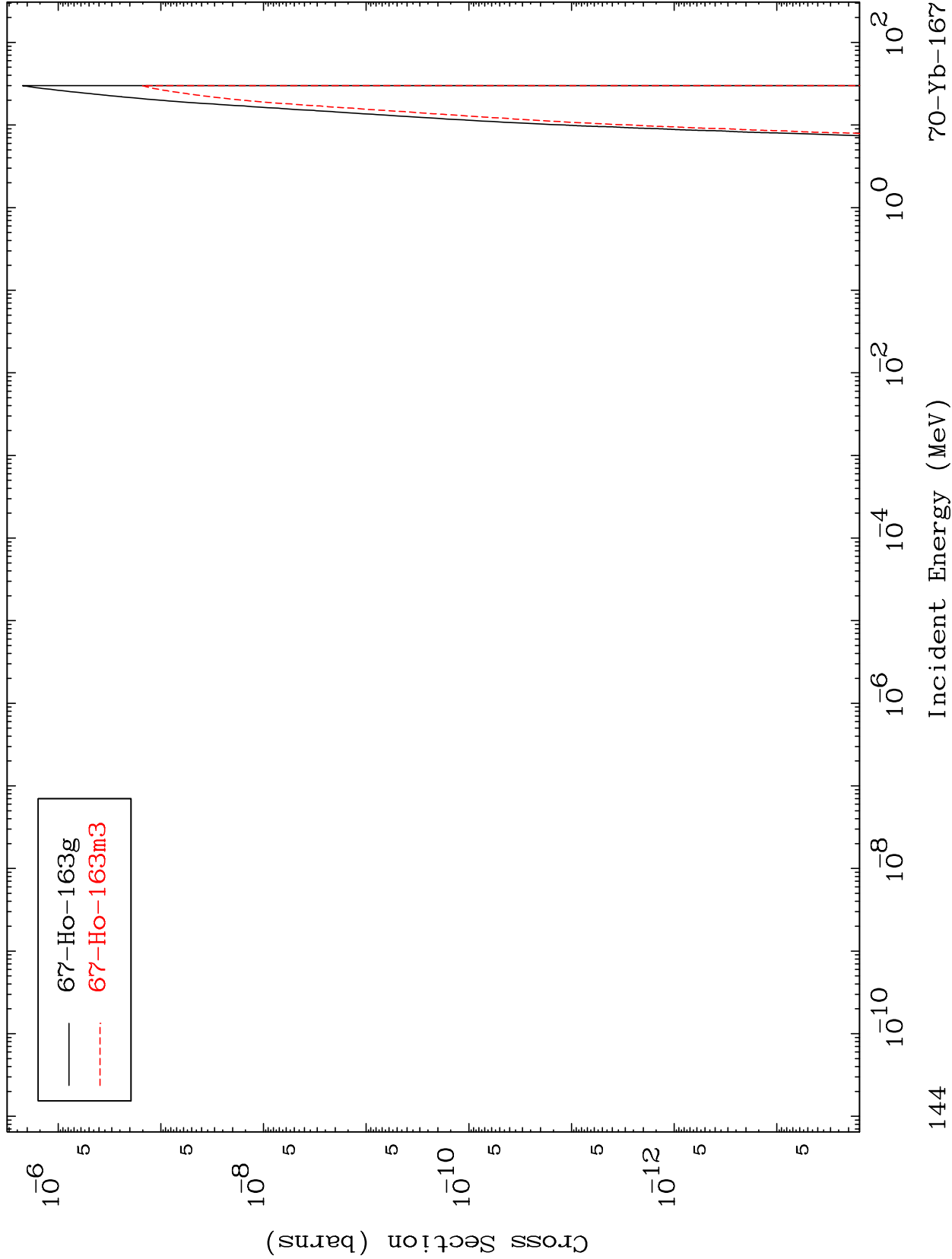
70-Yb-167

MAT 7022

(n,p) α

$^{70}\text{Yb-167}$

Radionuclide Production Cross Section

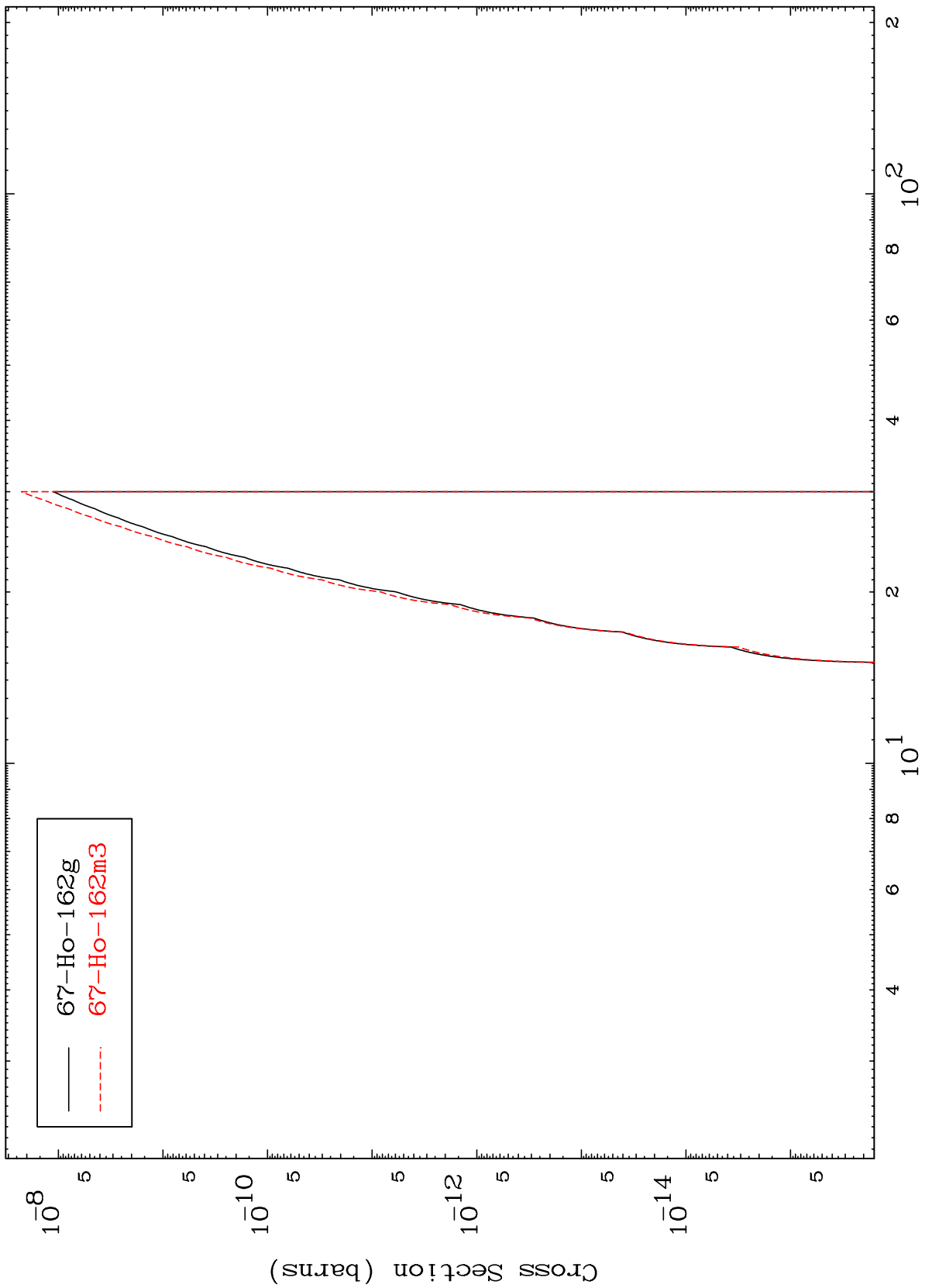


MAT 7022

(n,d) α

70-Yb-167

Radionuclide Production Cross Section



145

Incident Energy (MeV)

70-Yb-167