

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

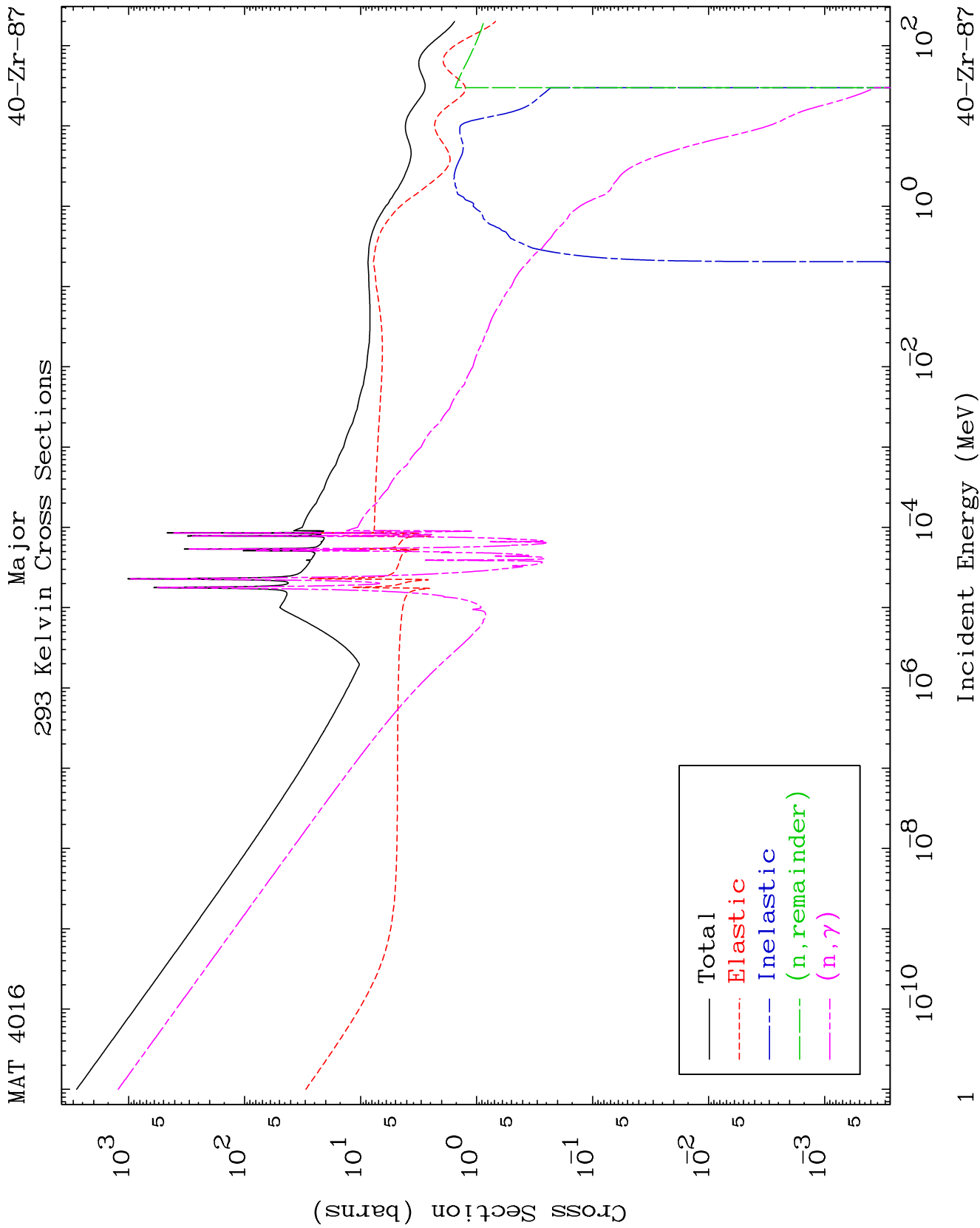
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

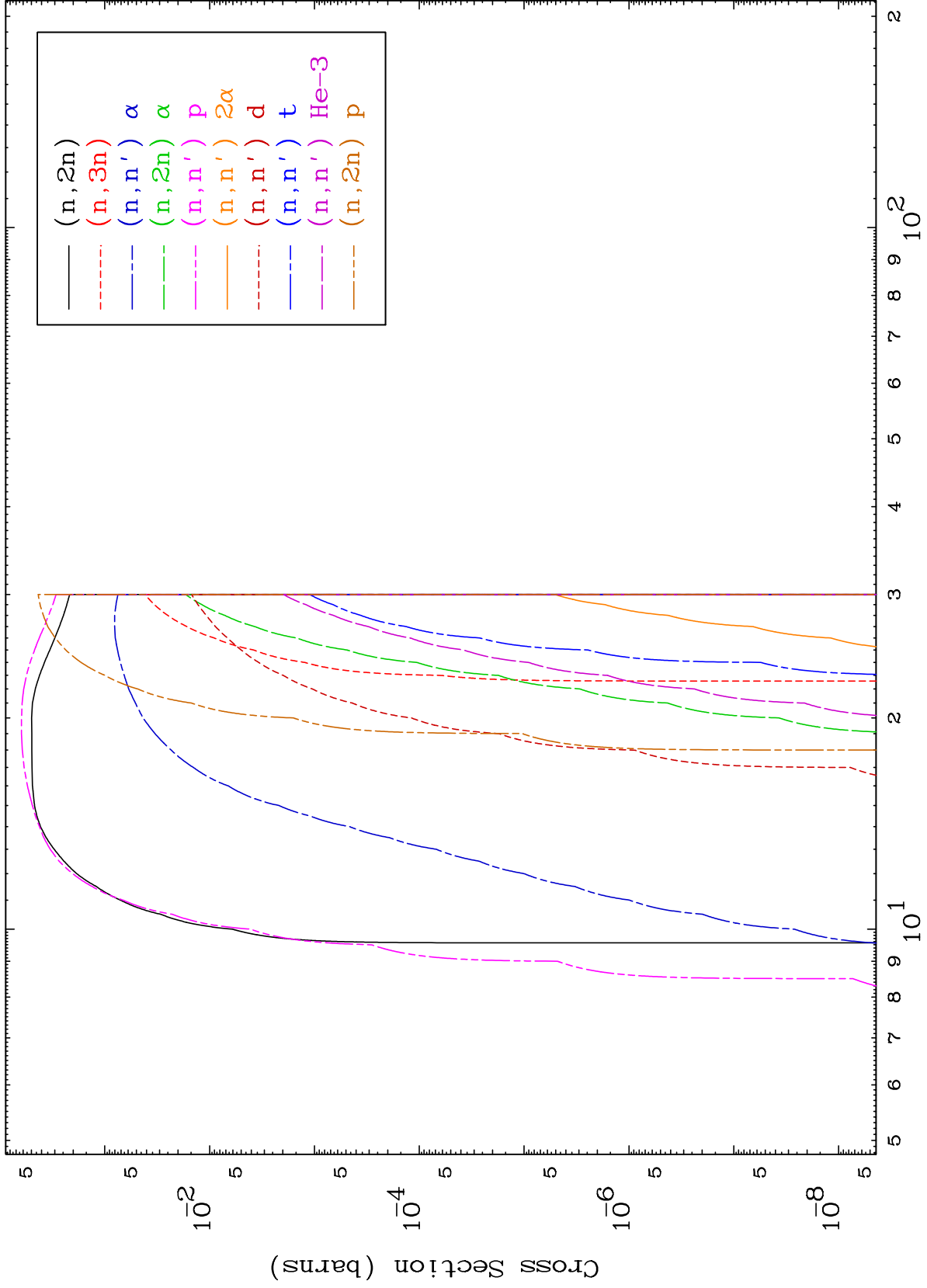
Press Mouse Button to Start



MAT 4016

Neutron Production
293 Kelvin Cross Sections

40-Zr-87



2

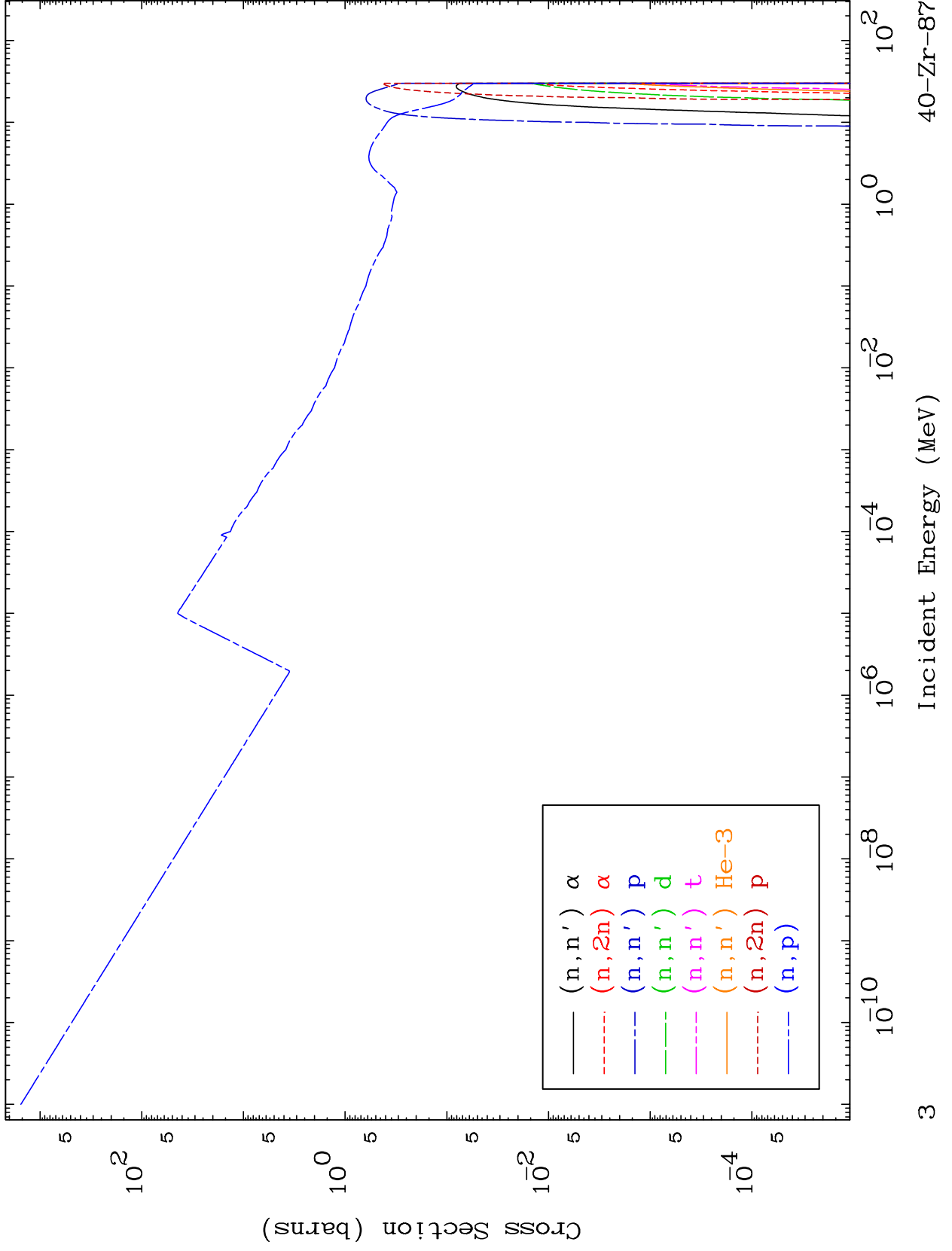
Incident Energy (MeV)

40-Zr-87

MAT 4016

Charged Particle
293 Kelvin Cross Sections

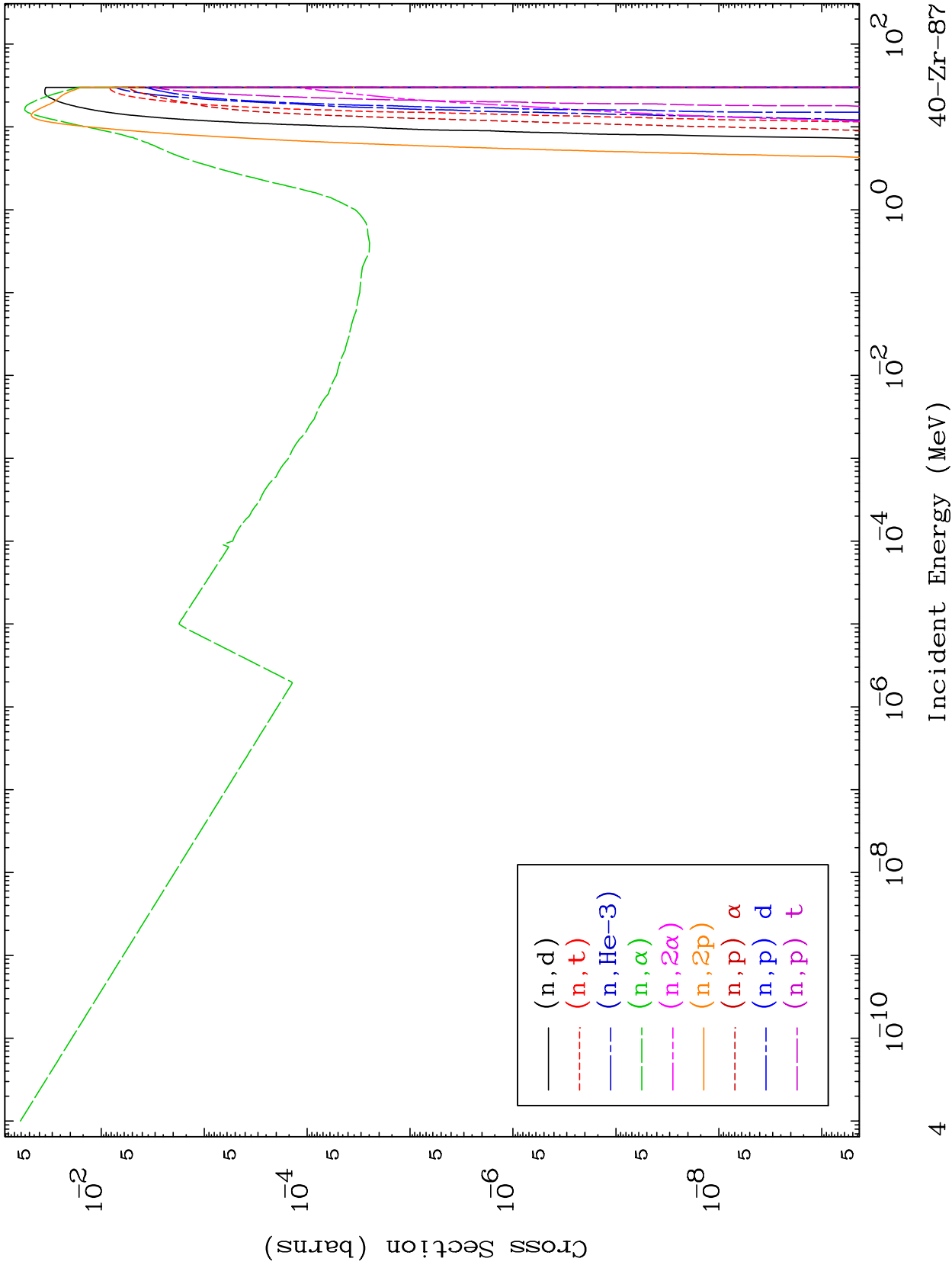
40-Zr-87



MAT 4016

Charged Particle
293 Kelvin Cross Sections

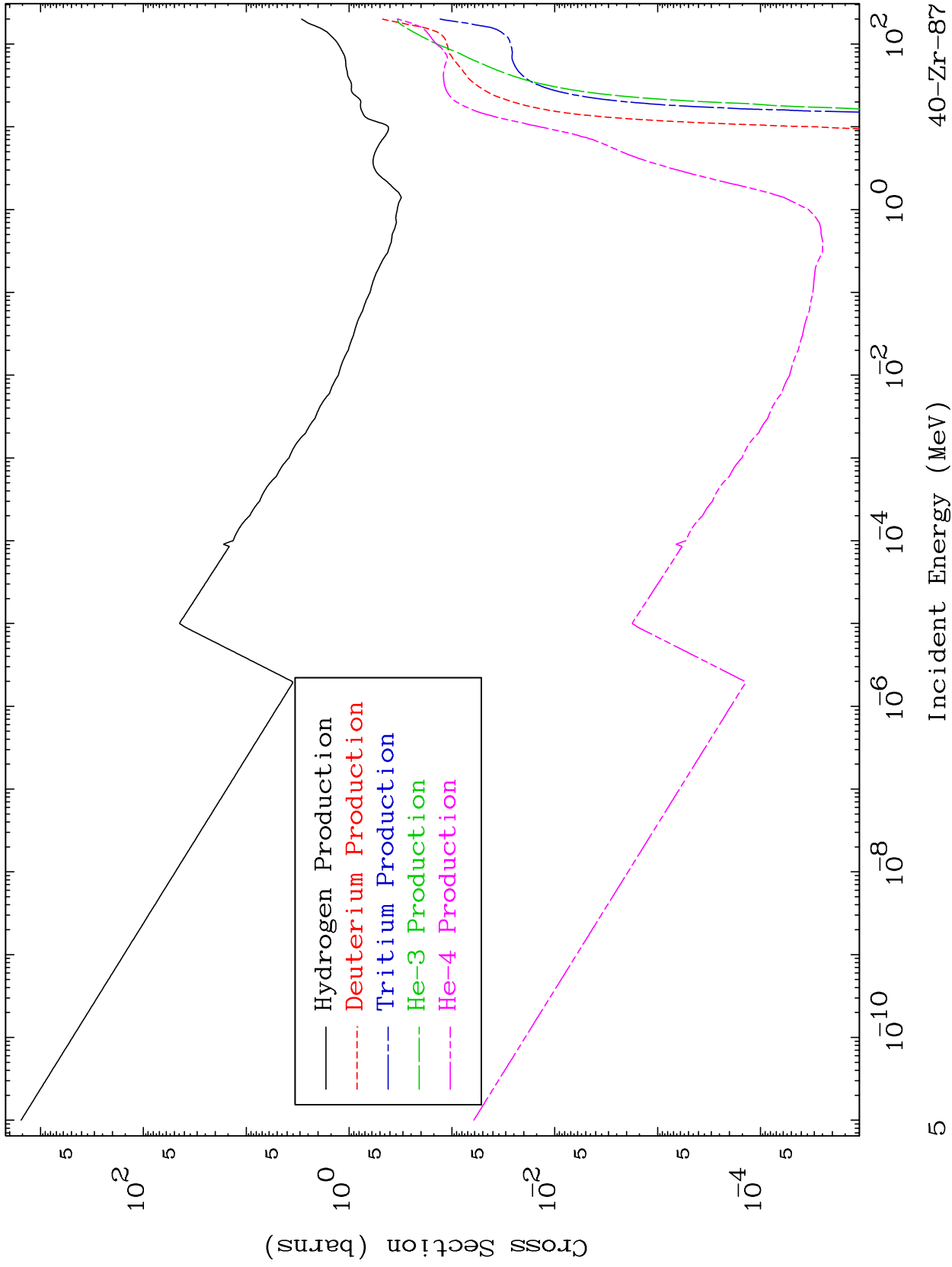
40-Zr-87



MAT 4016

Particle Production
293 Kelvin Cross Sections

40-Zr-87

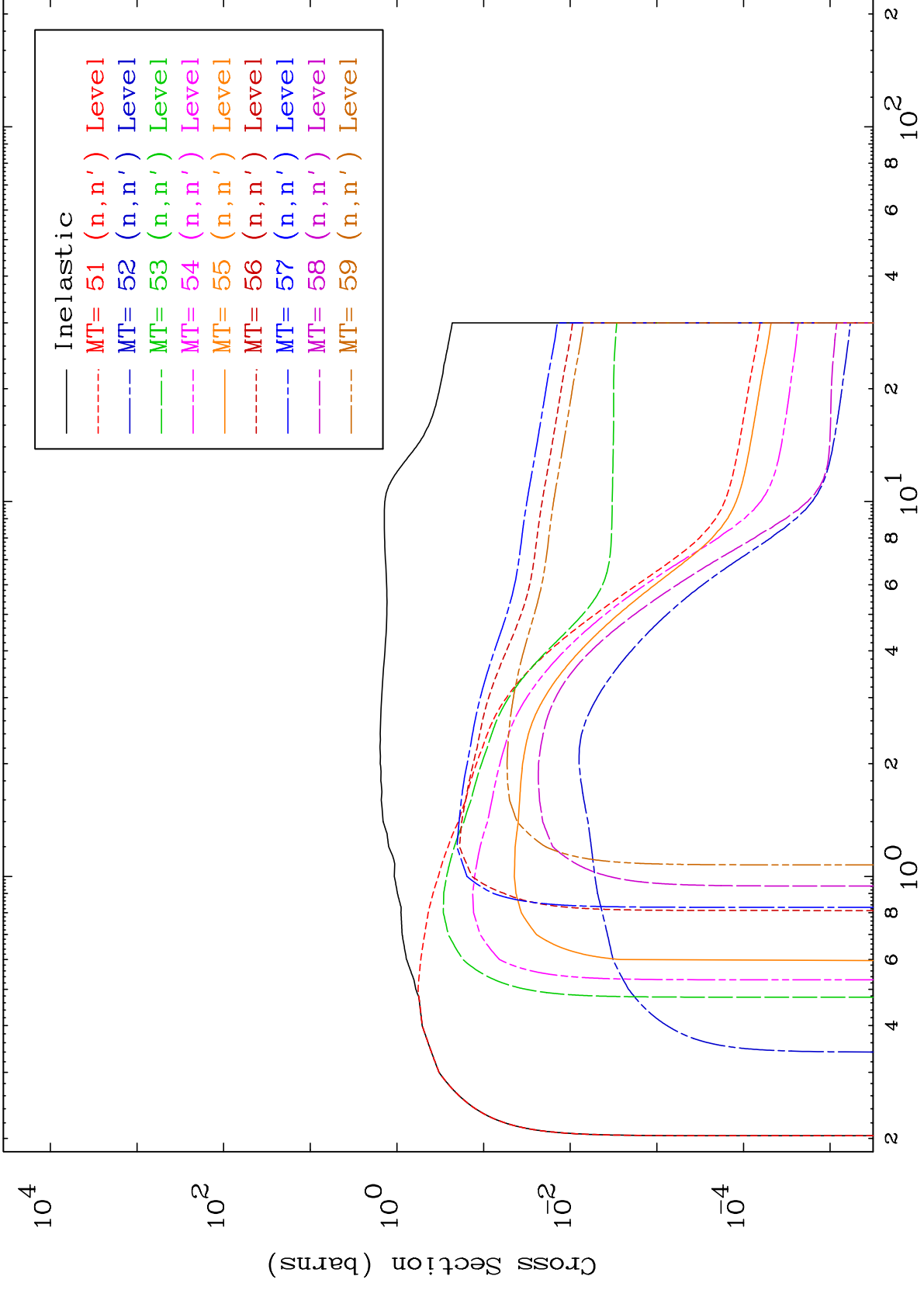


MAT 4016

(n,n') Level

40-Zr-87

293 Kelvin Cross Sections



6

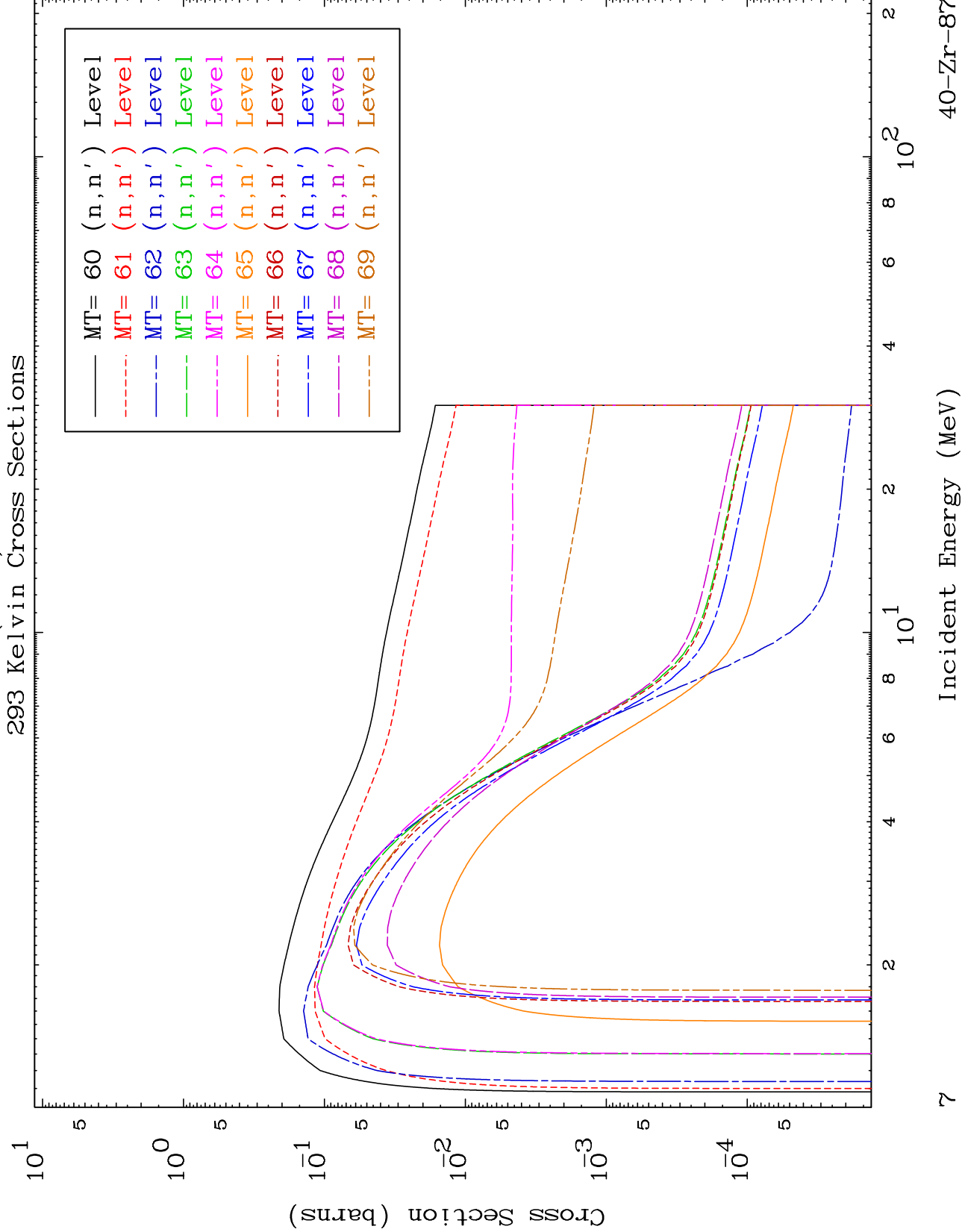
Incident Energy (MeV)

40-Zr-87

MAT 4016

(n,n') Level

40-Zr-87

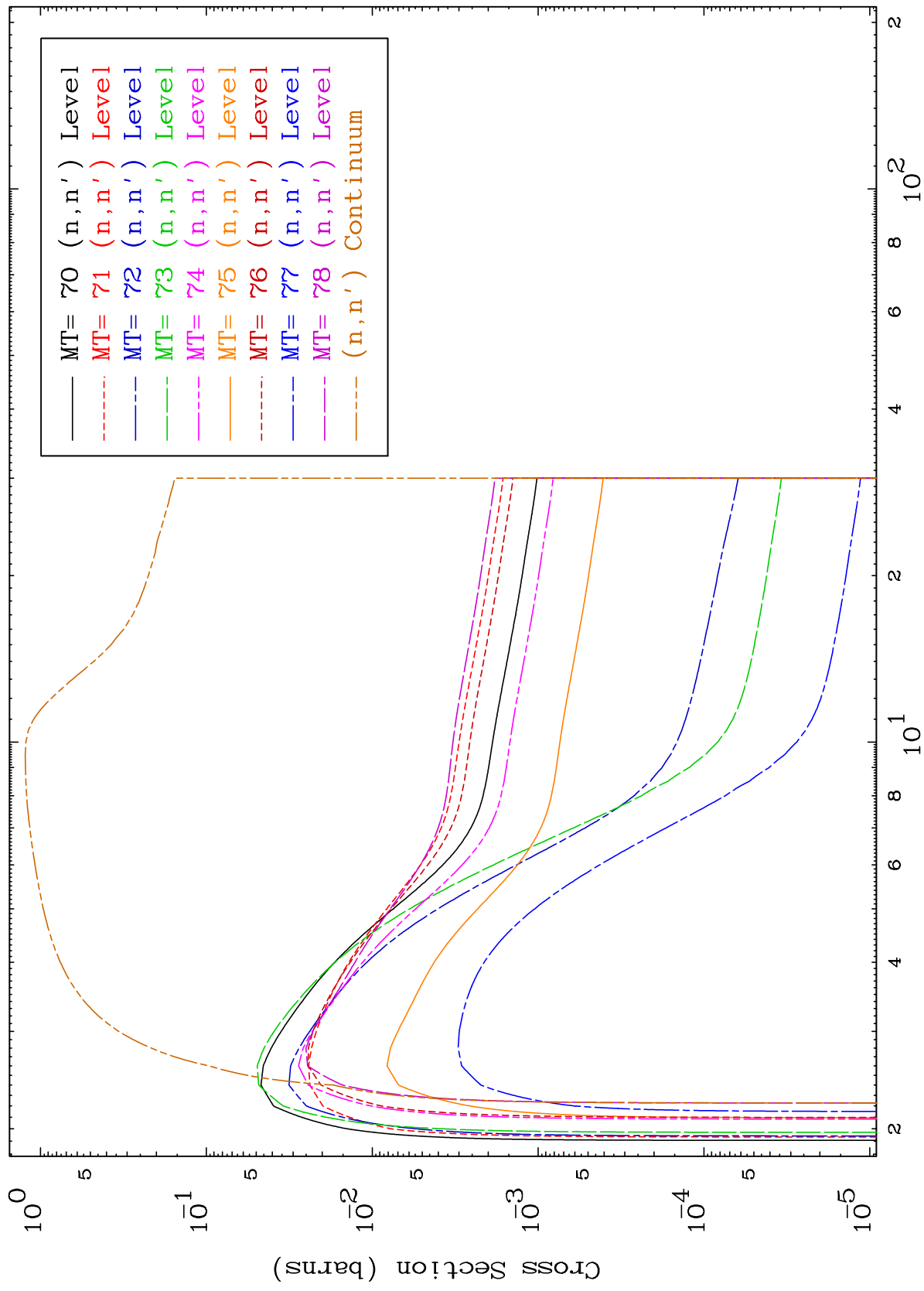


MAT 4016

(n,n') Level

40-Zr-87

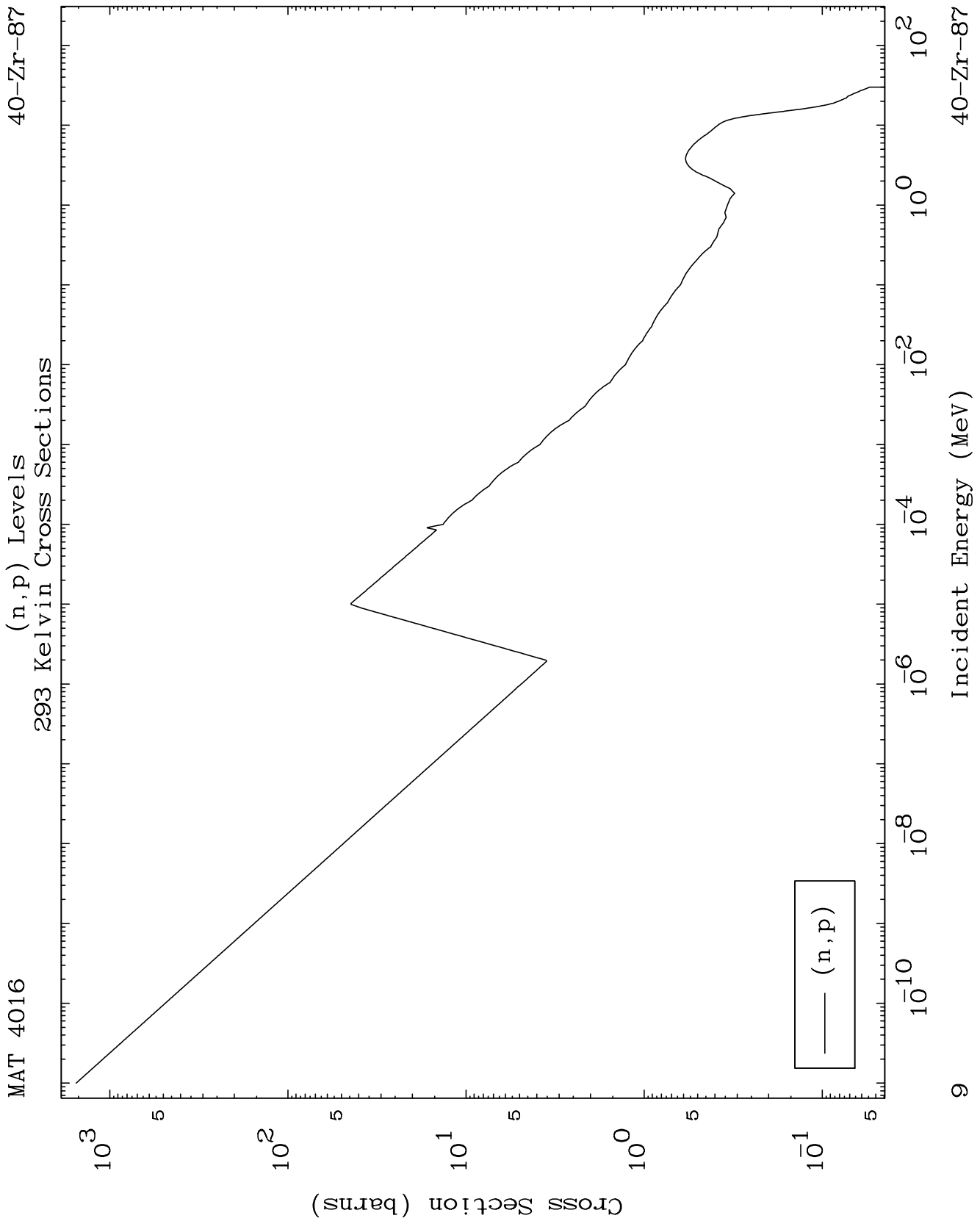
293 Kelvin Cross Sections



Incident Energy (MeV)

40-Zr-87

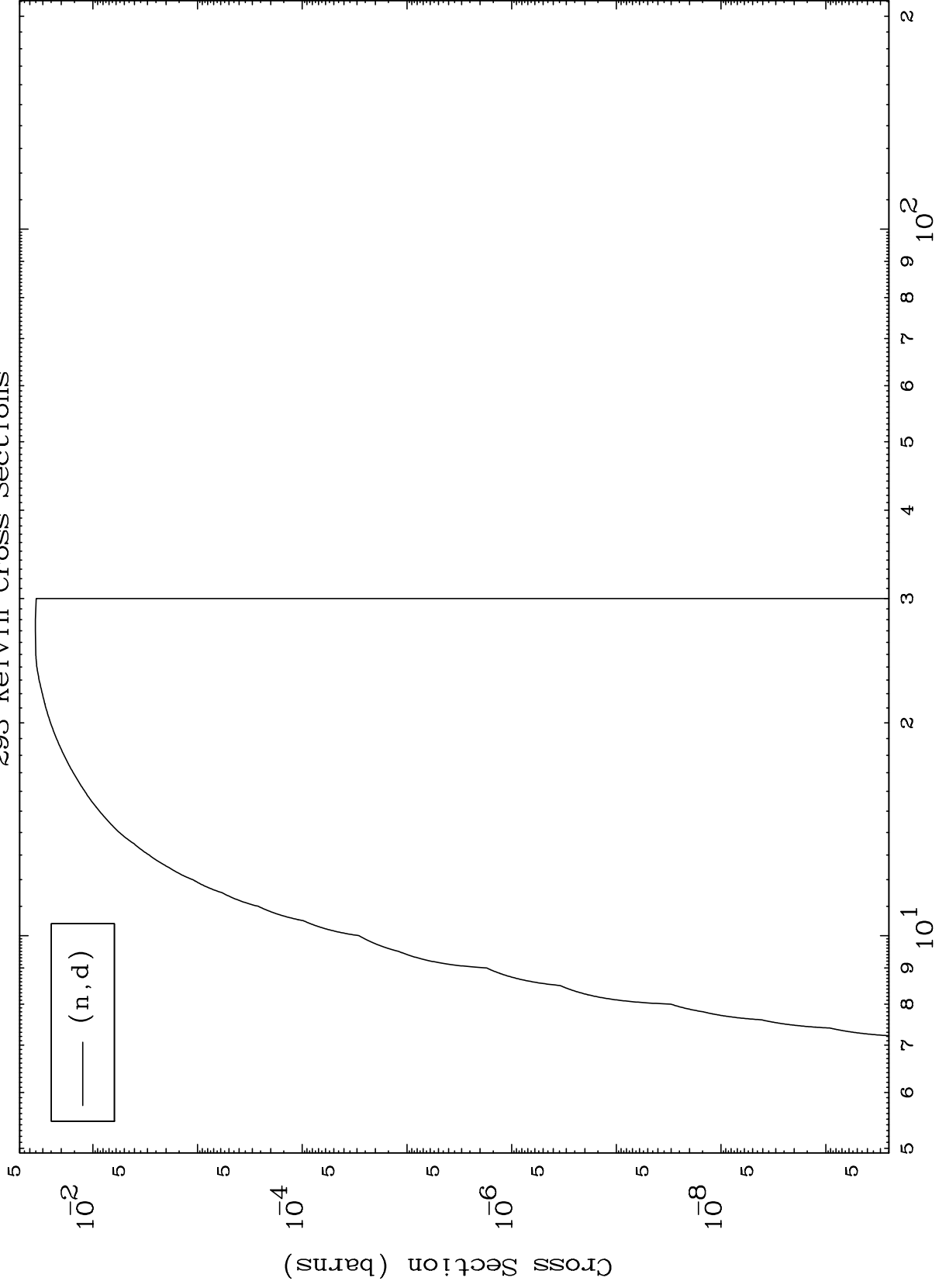
8



MAT 4016

(n,d) Levels
293 Kelvin Cross Sections

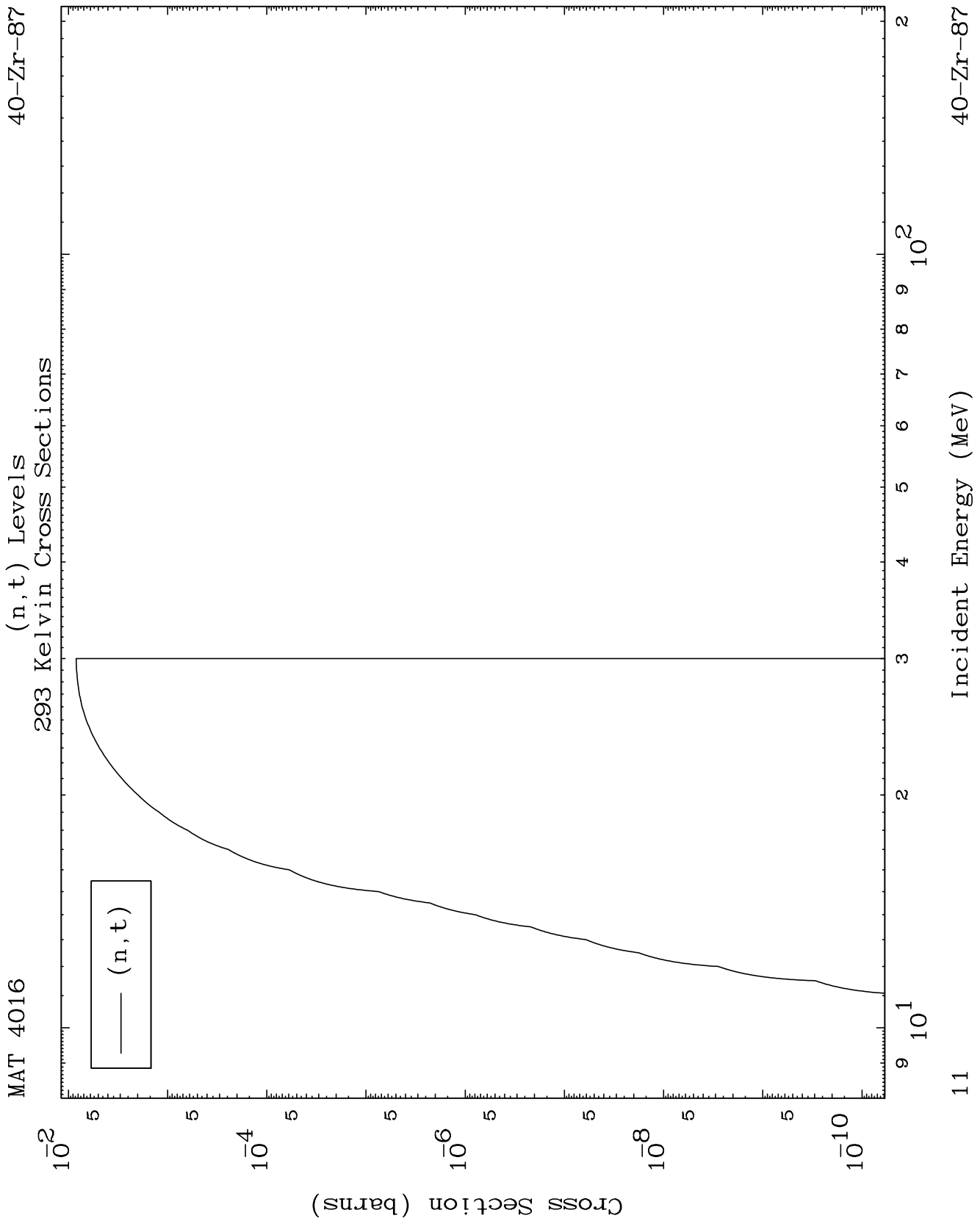
40-Zr-87

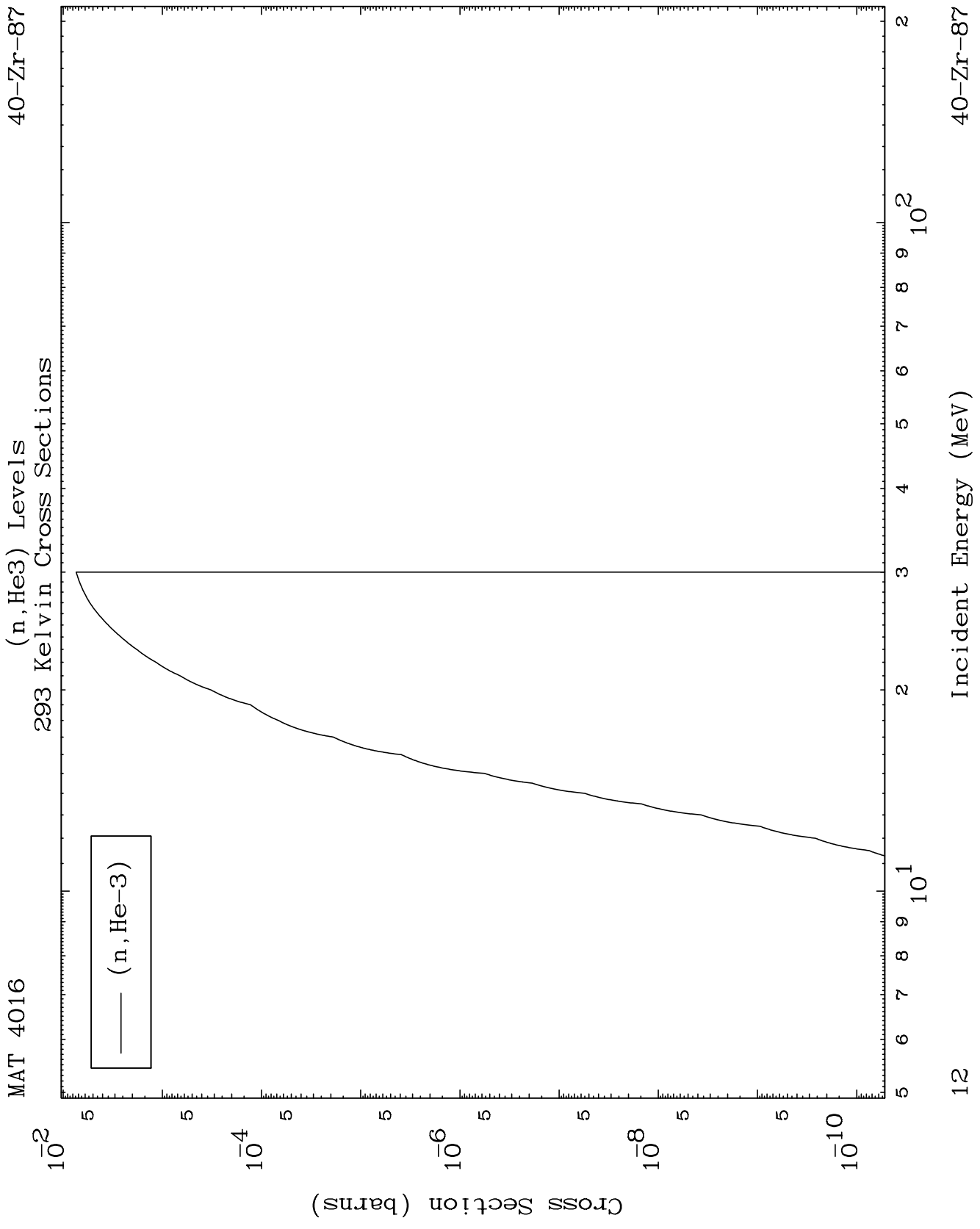


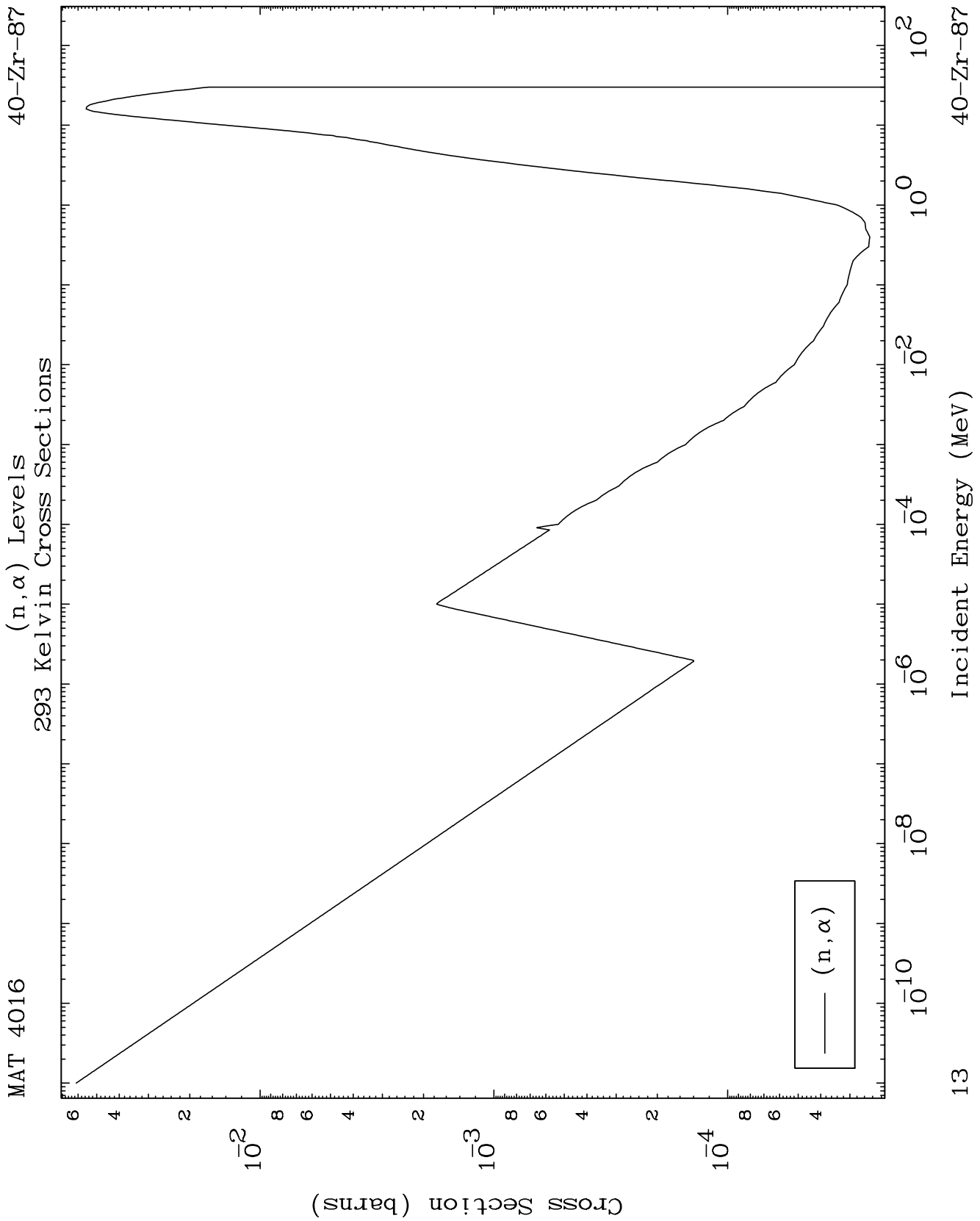
10

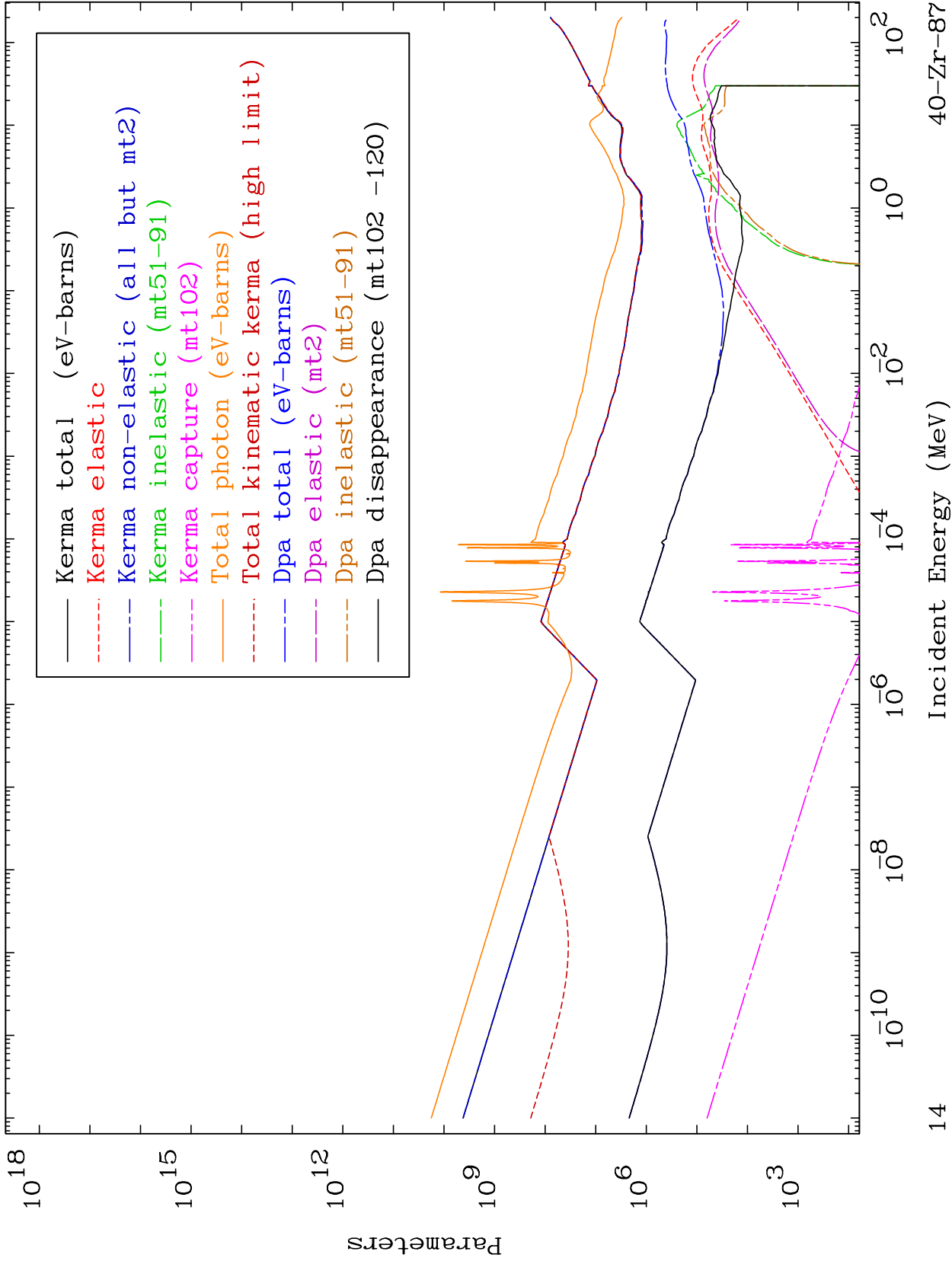
Incident Energy (MeV)

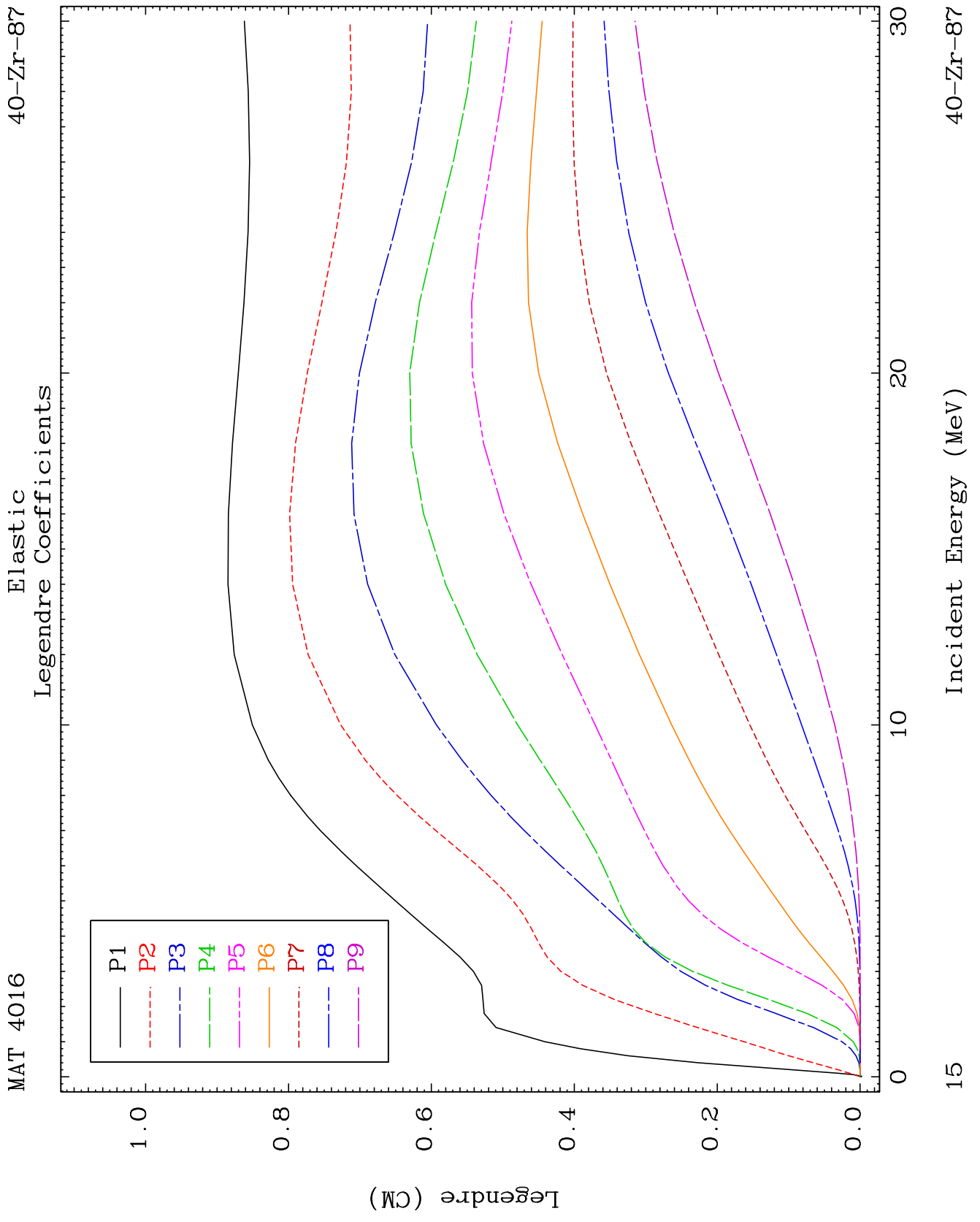
40-Zr-87

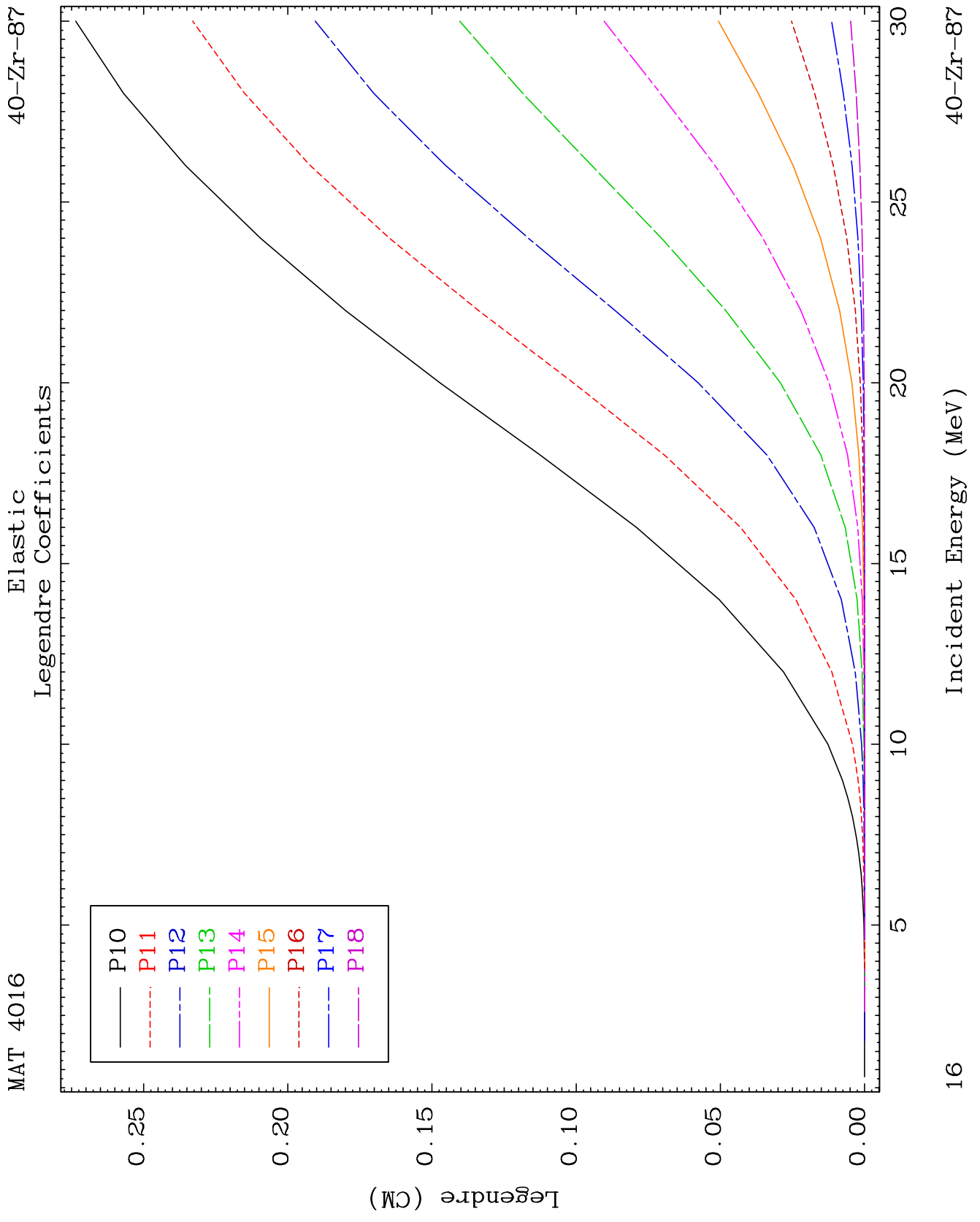








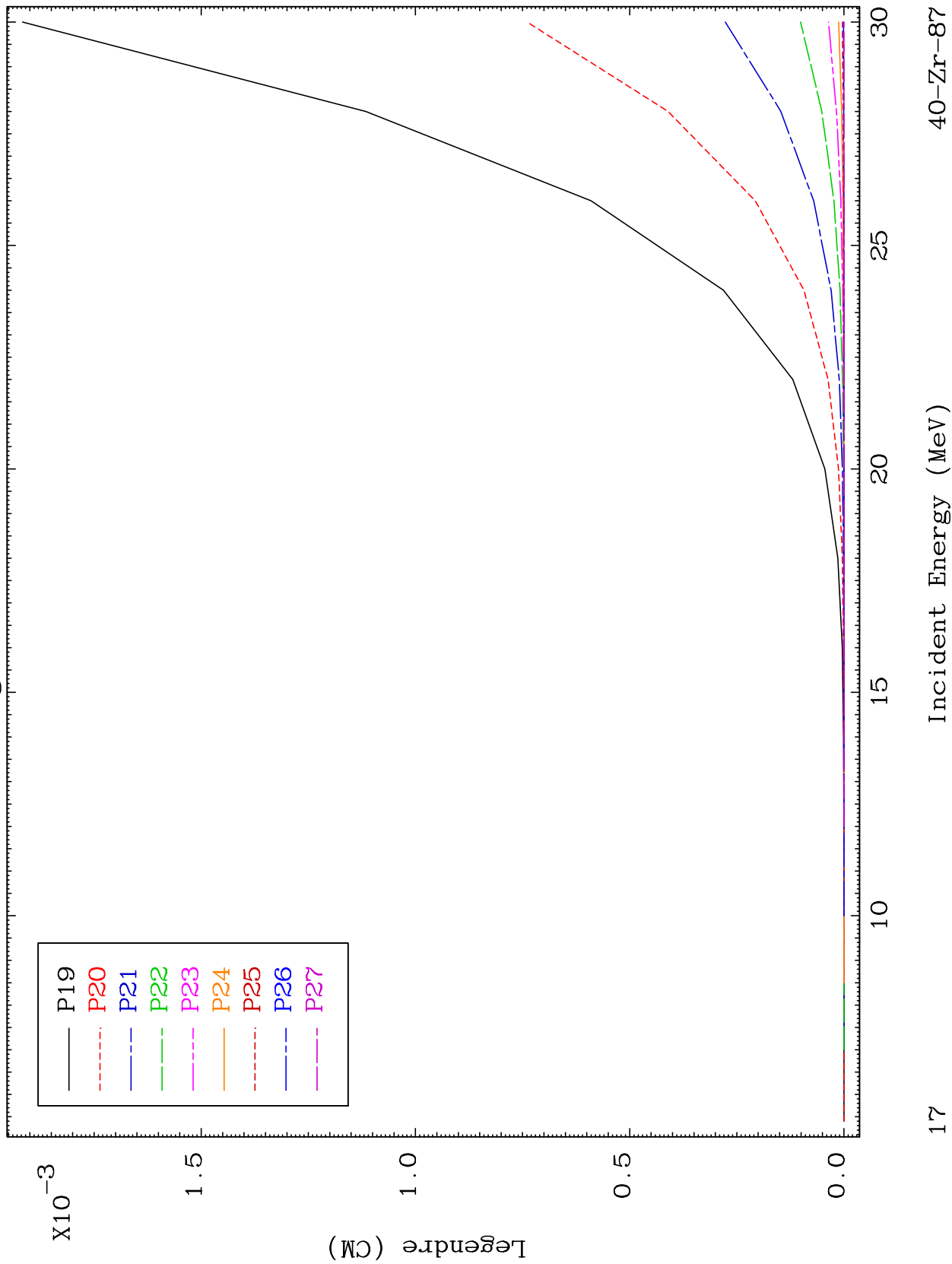




MAT 4016

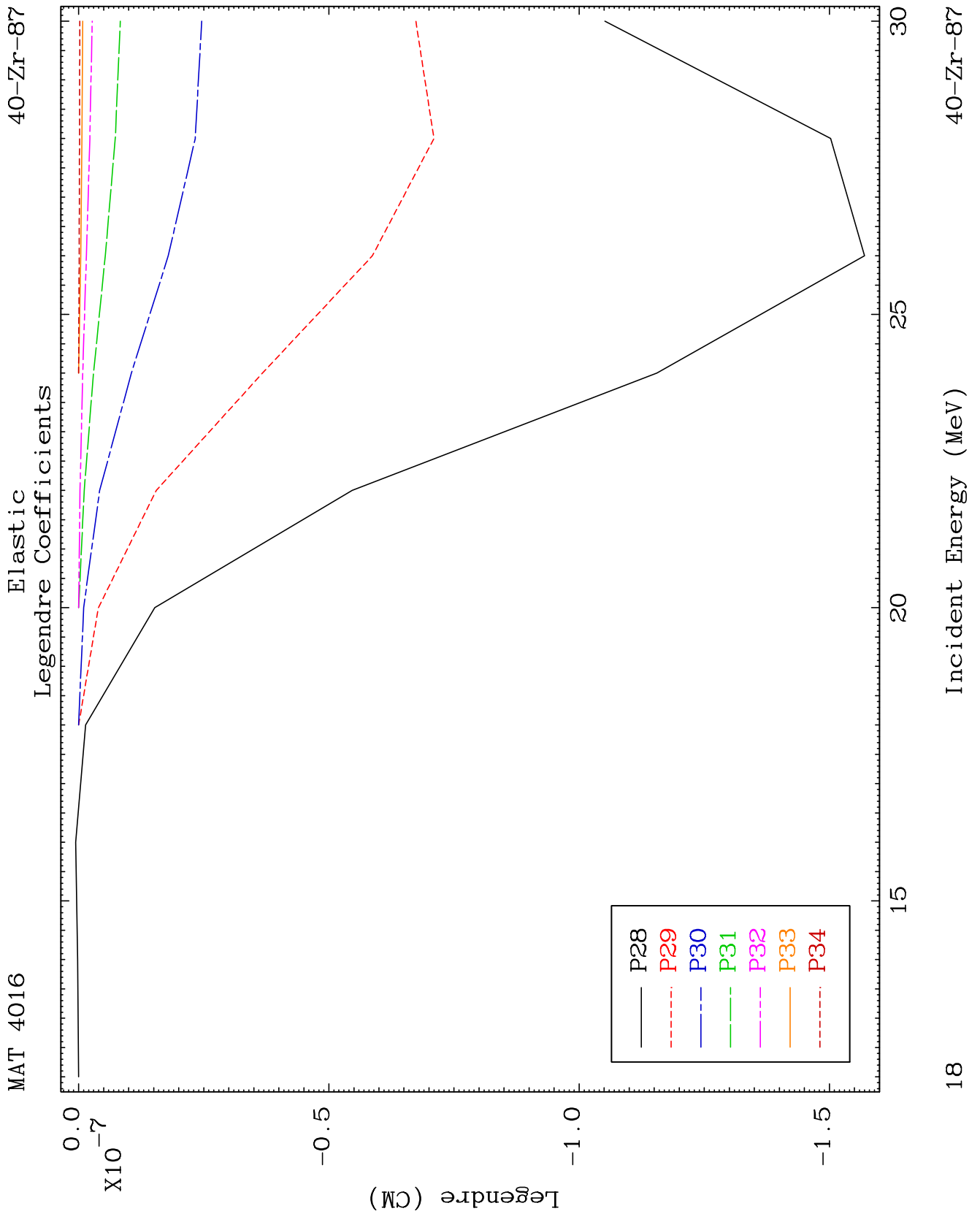
Elastic
Legendre Coefficients

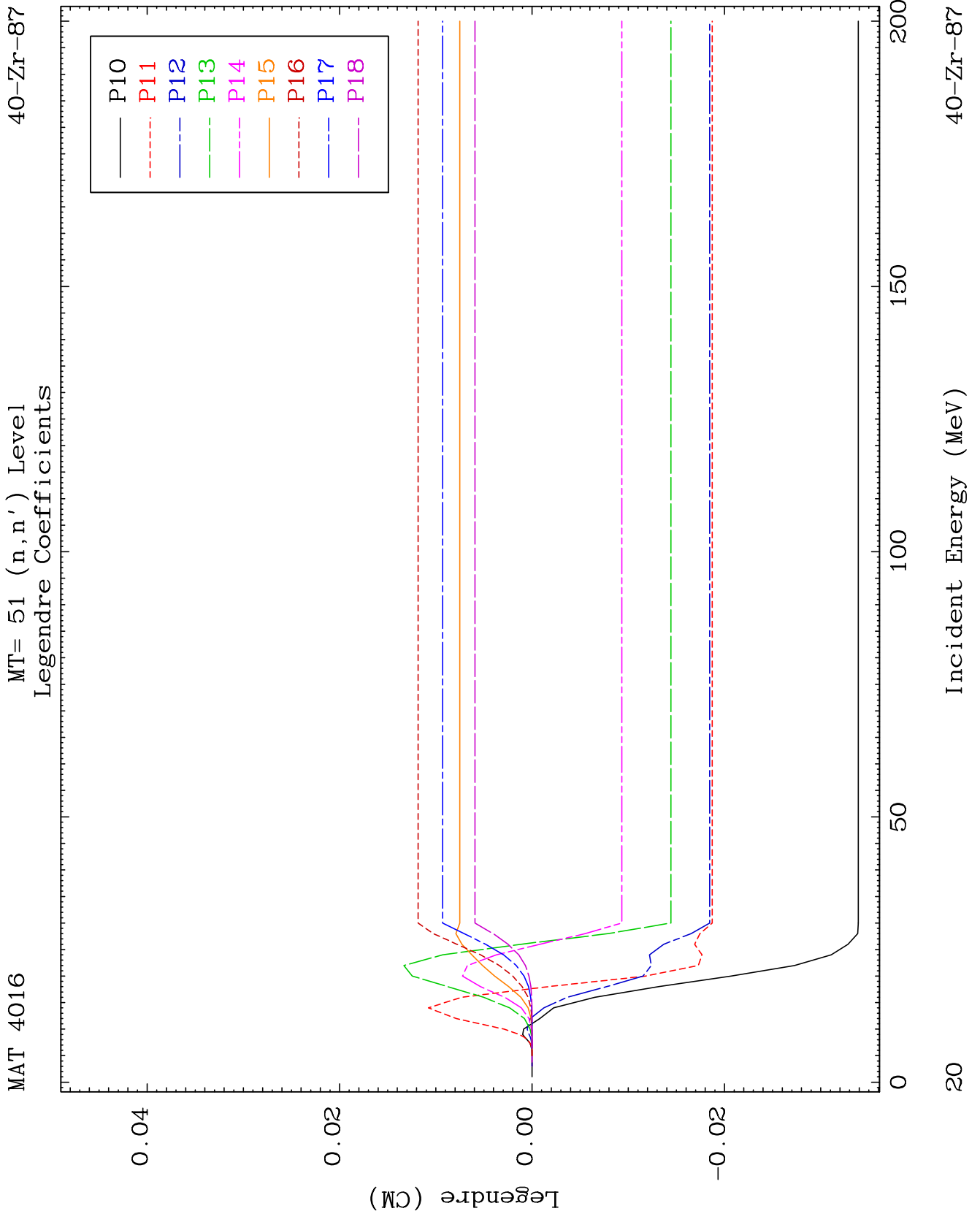
40-Zr-87

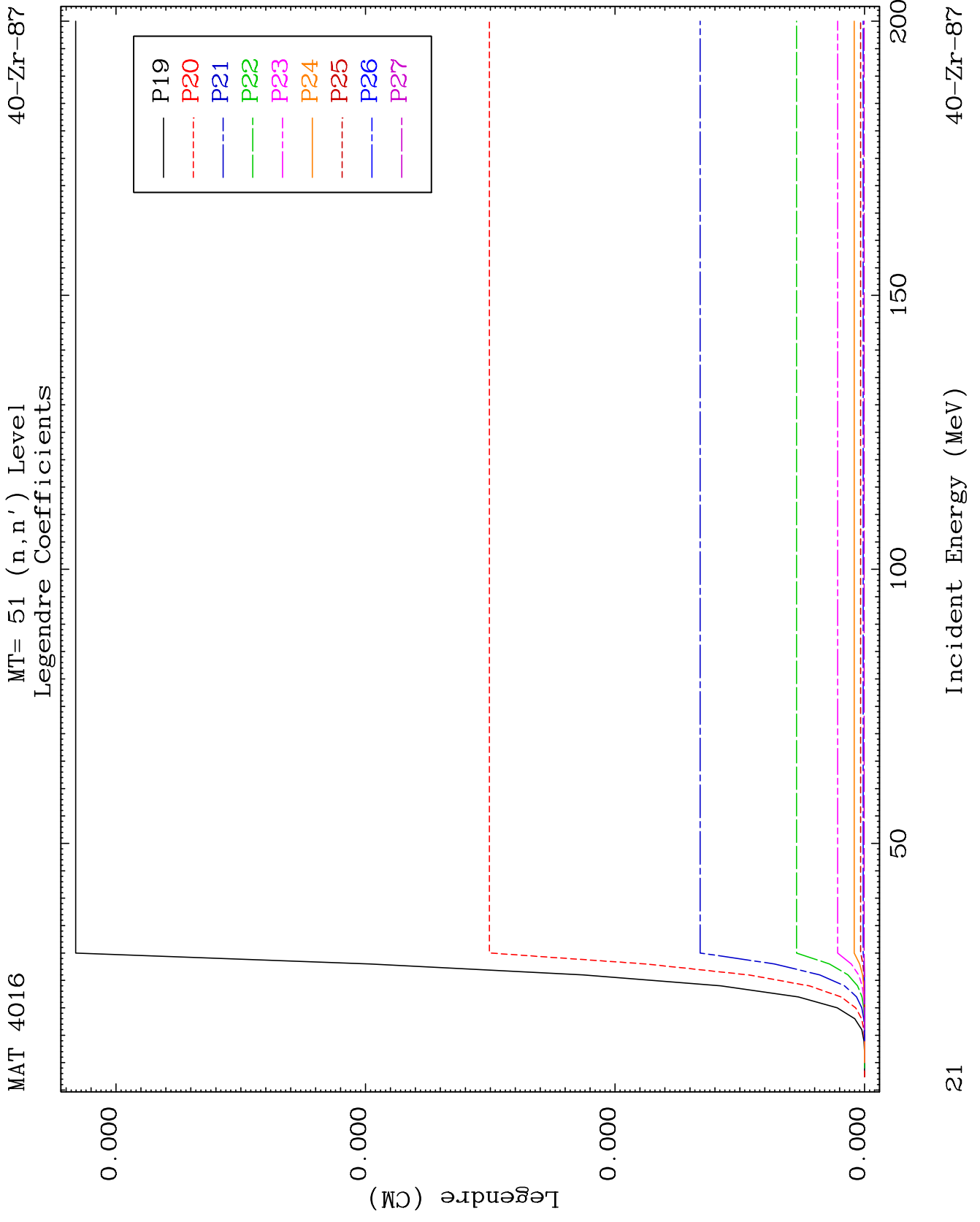


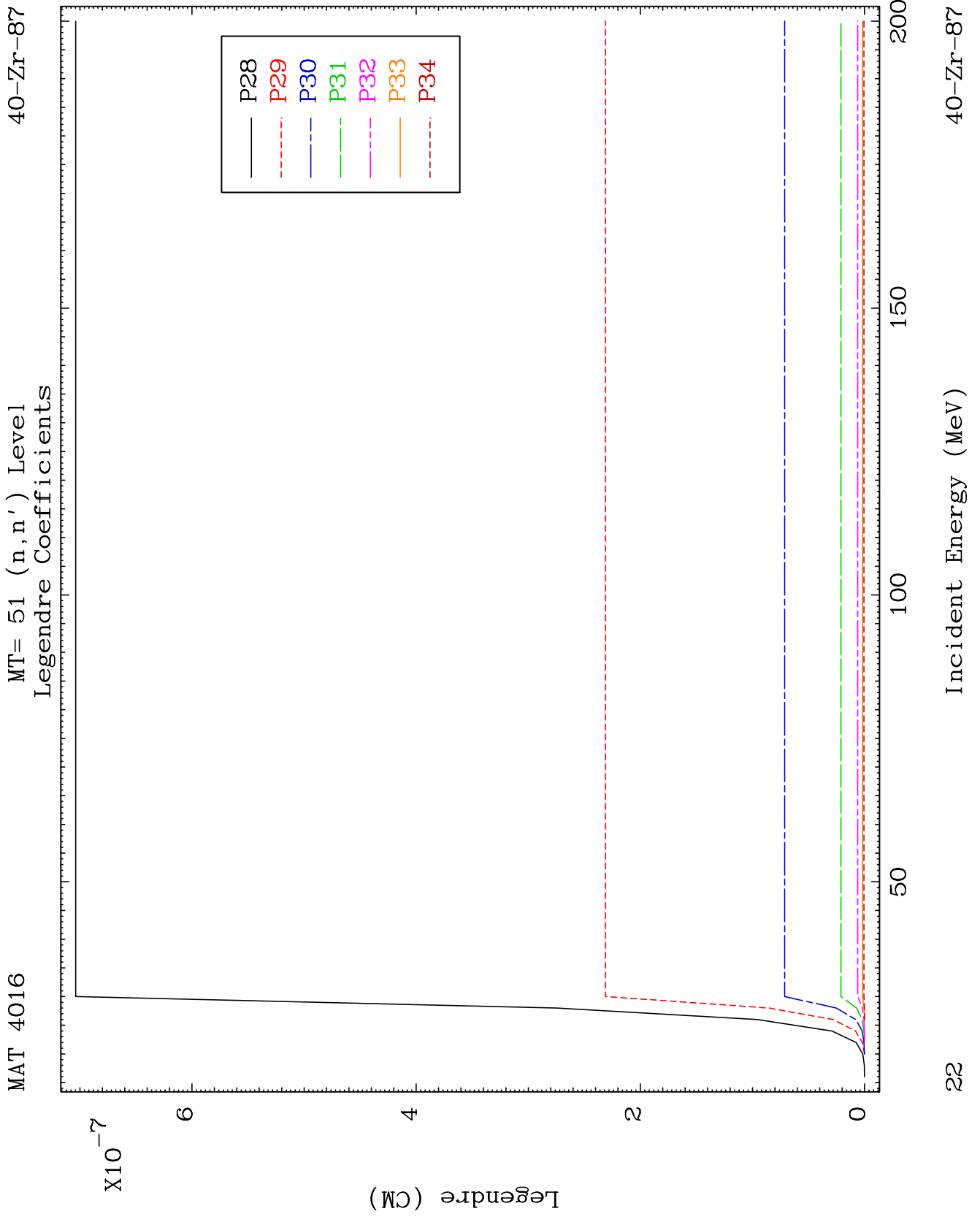
17

40-Zr-87





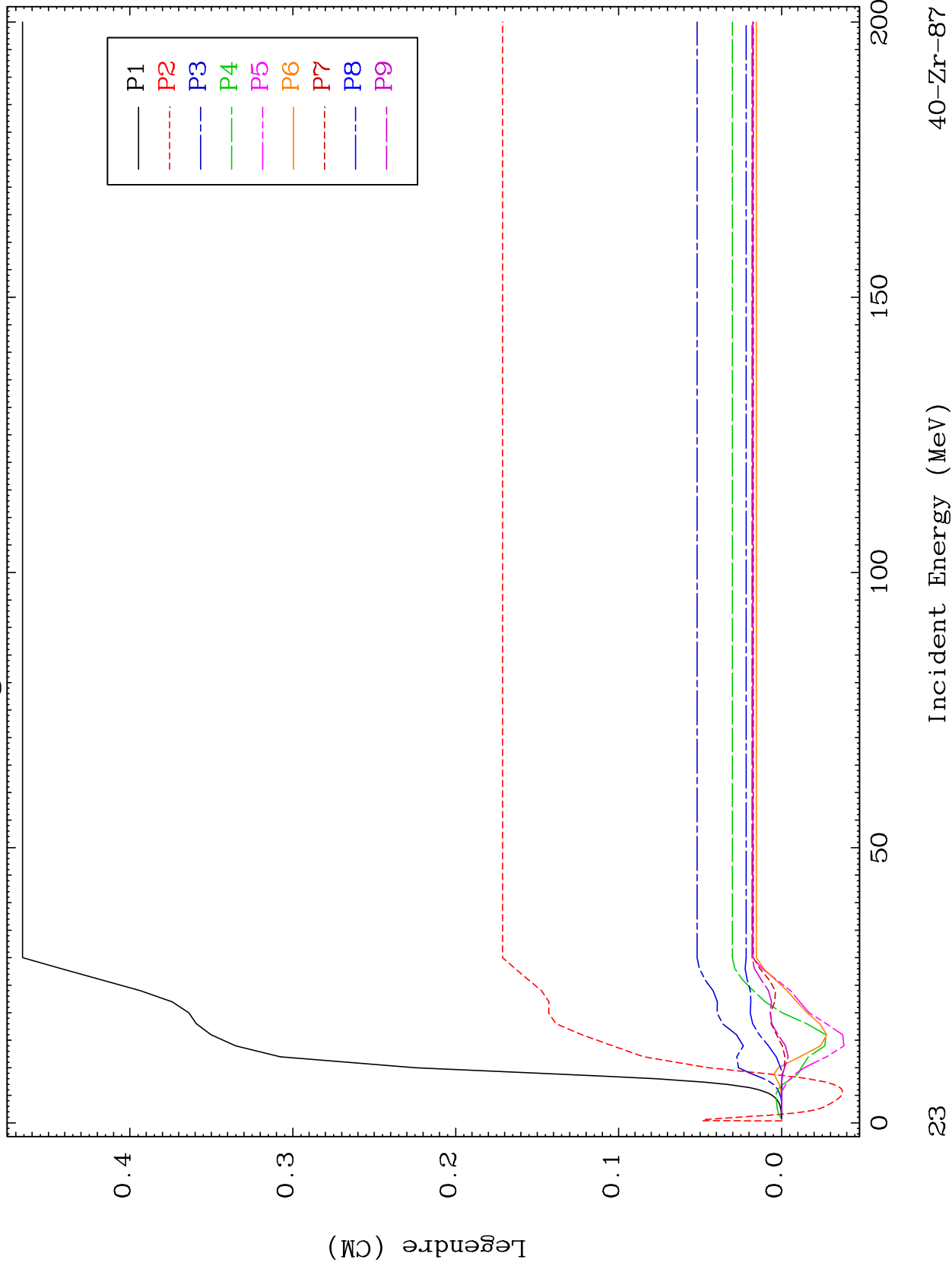




MAT 4016

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

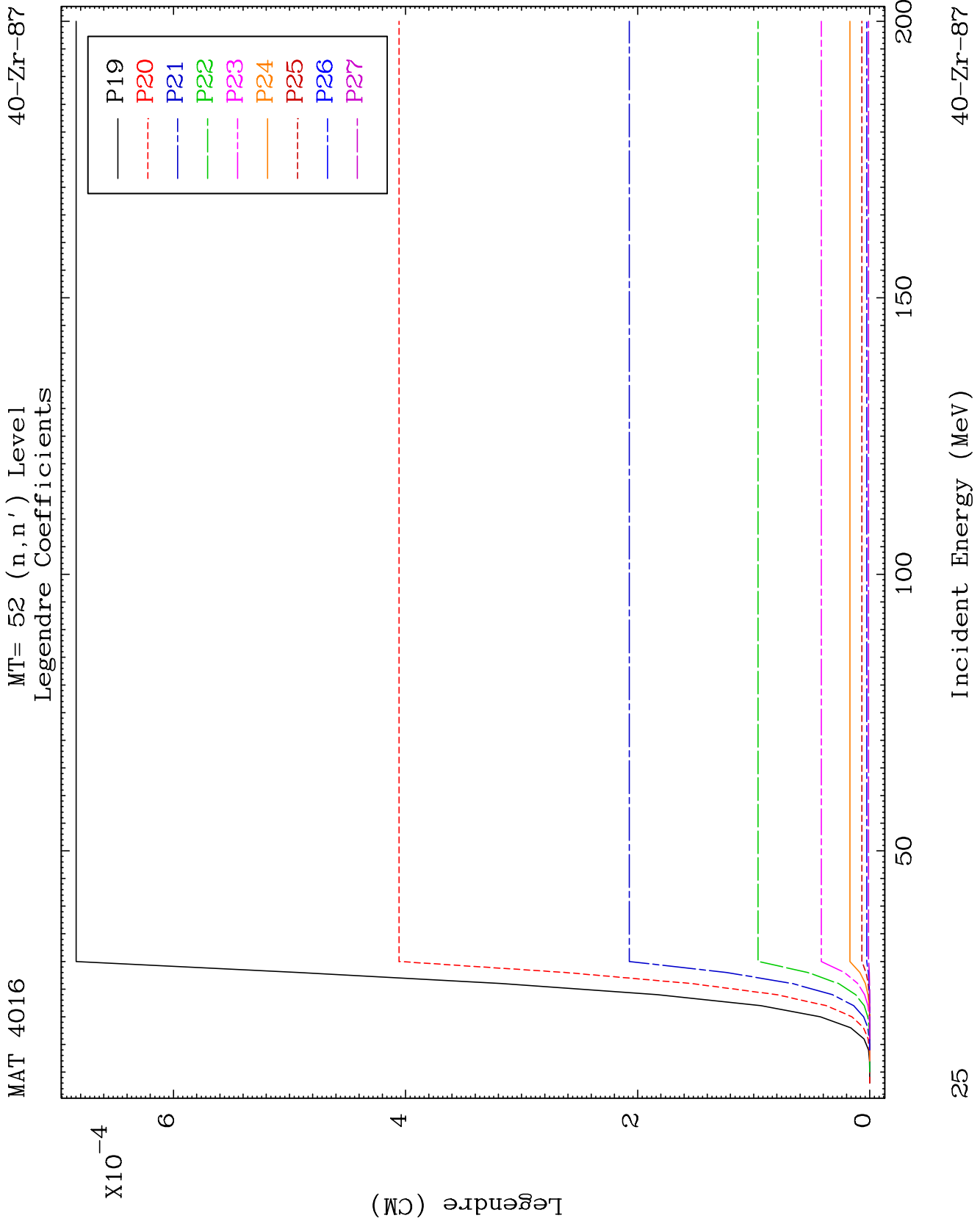
40-Zr-87

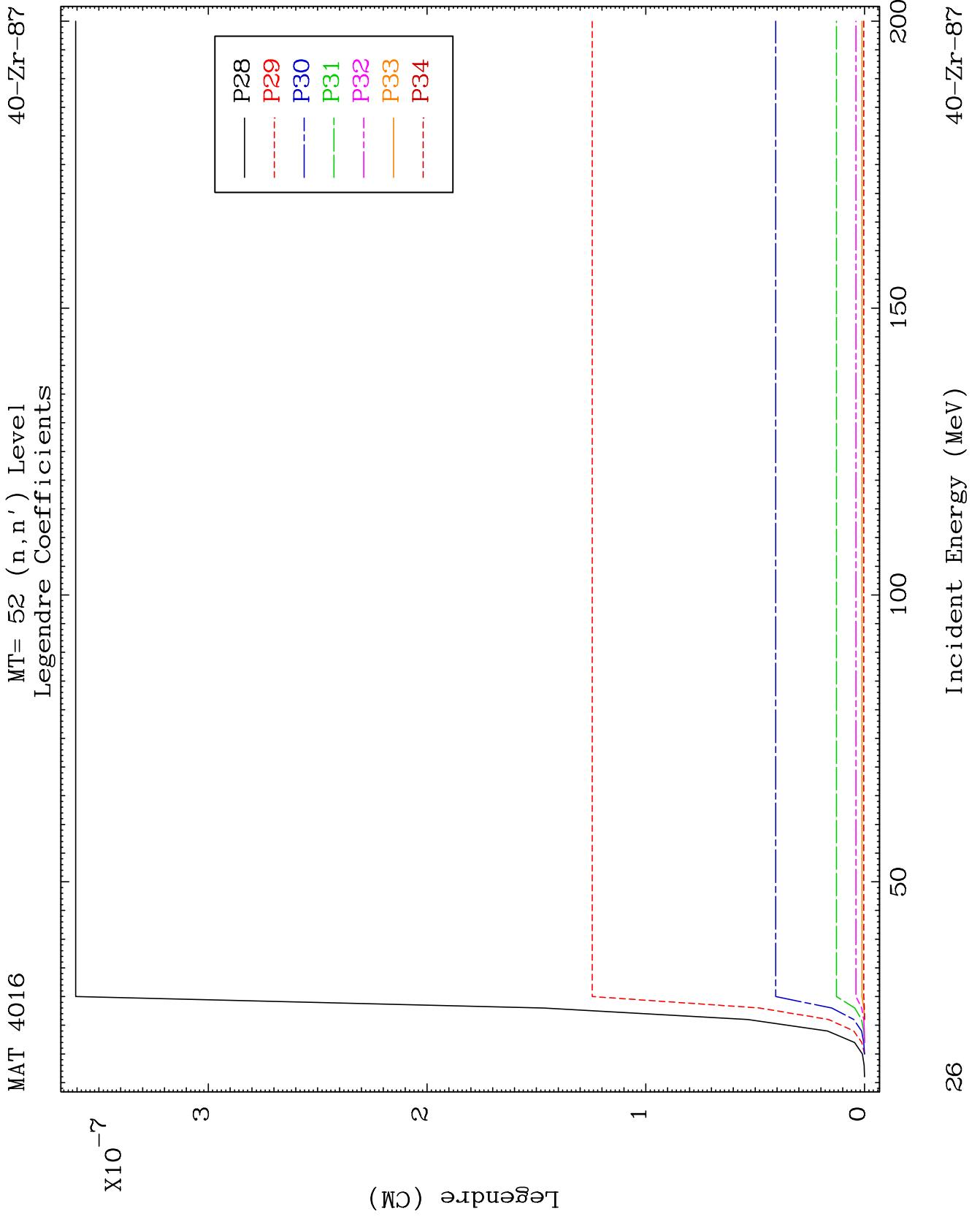


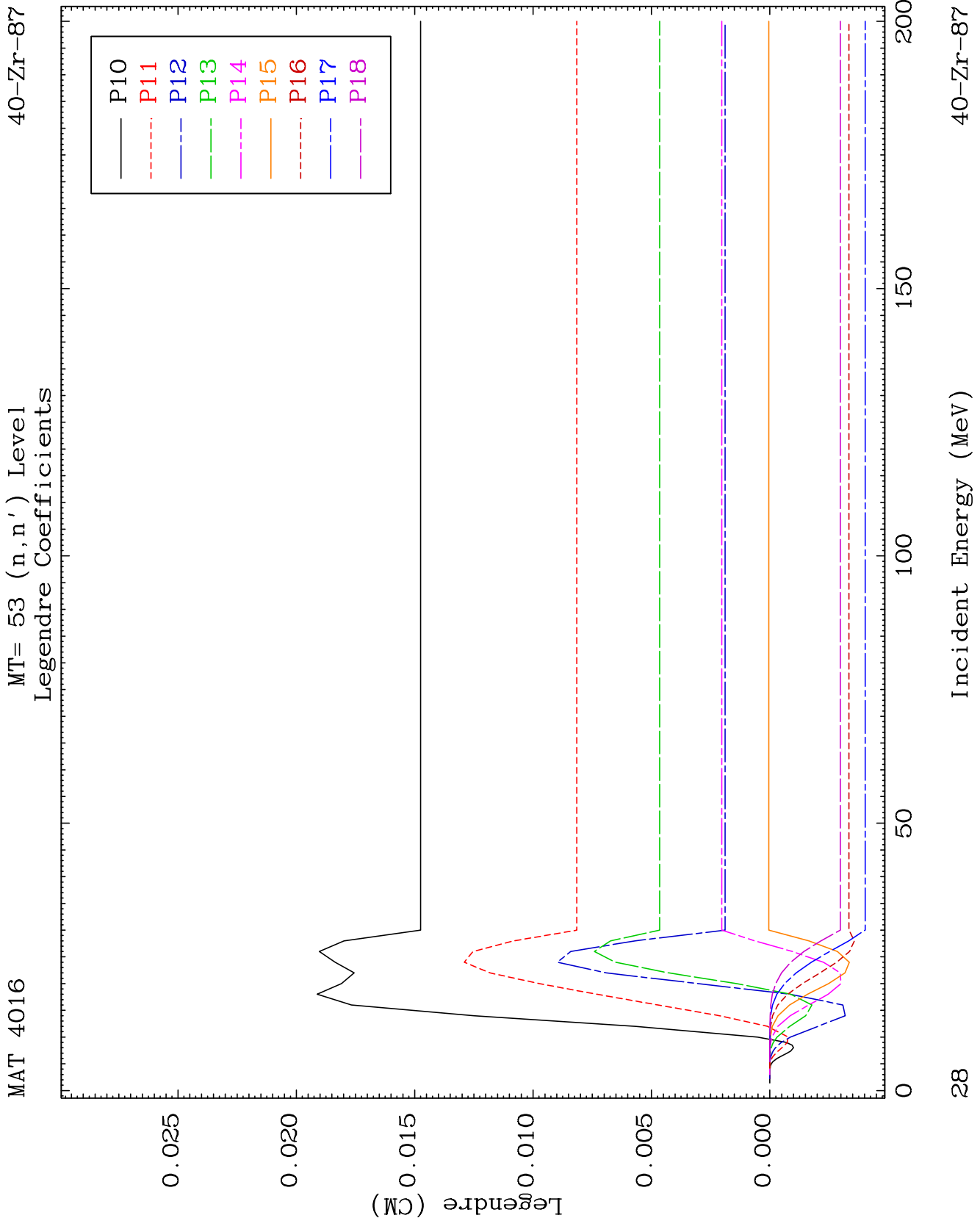
23

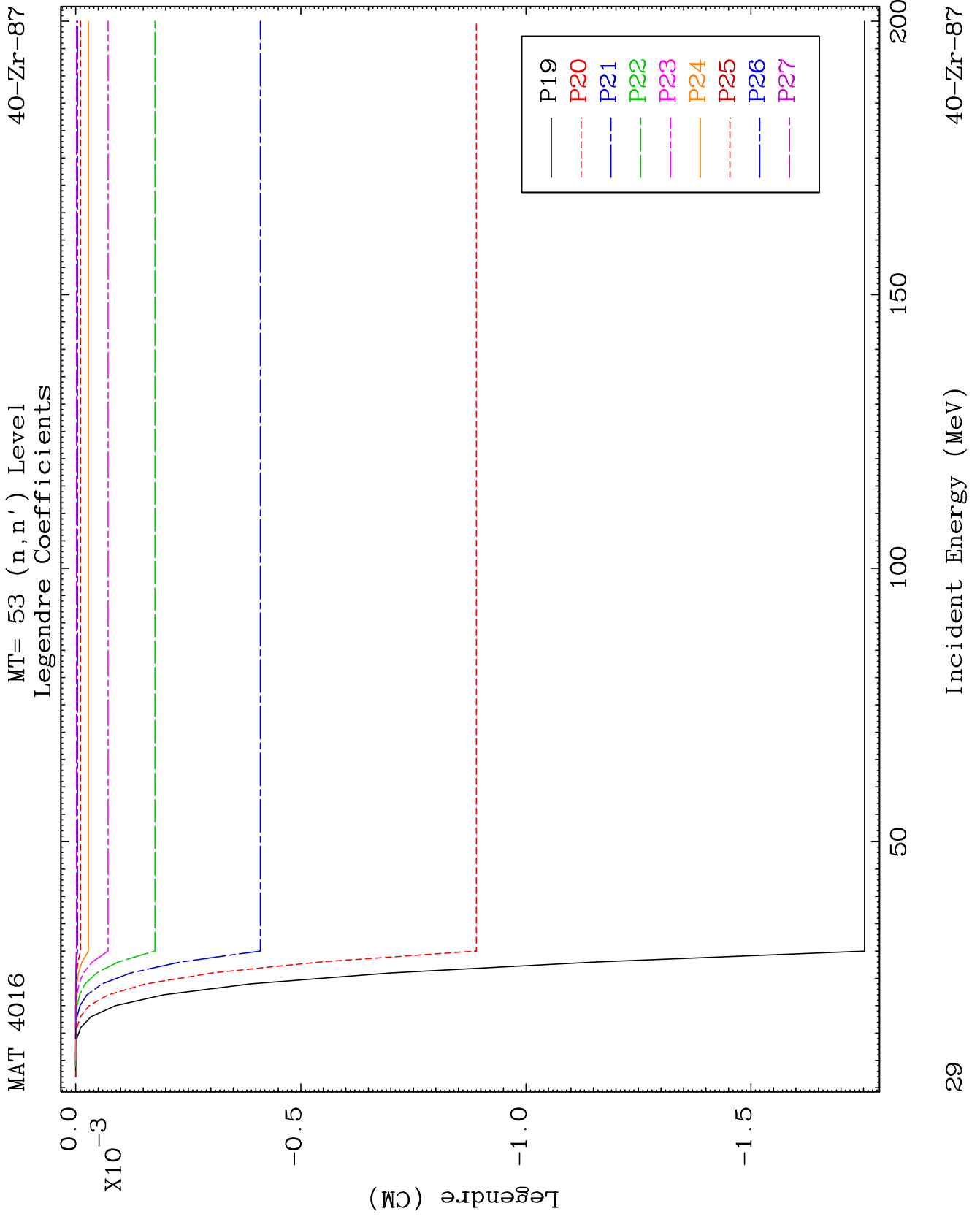
Incident Energy (MeV)

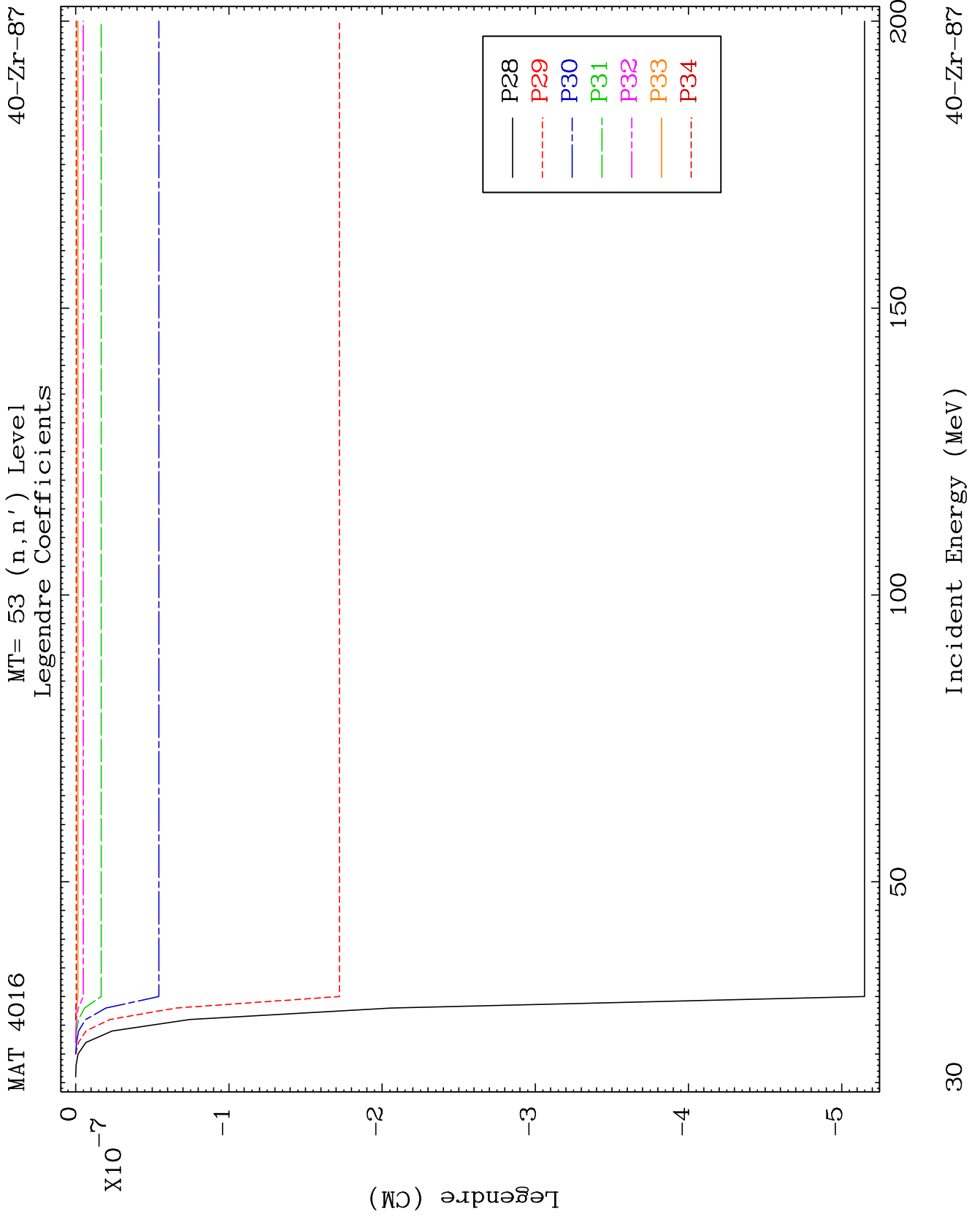
40-Zr-87

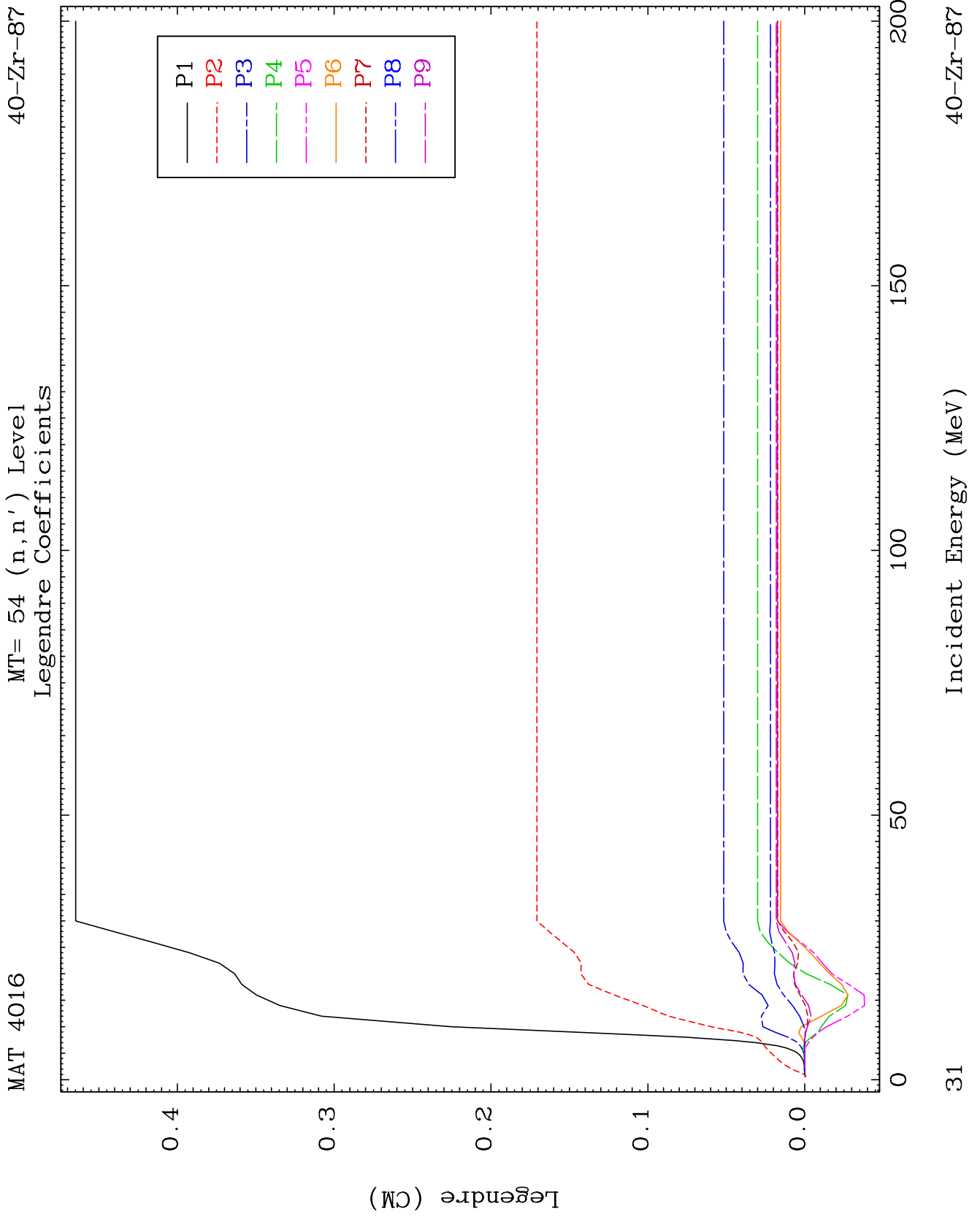


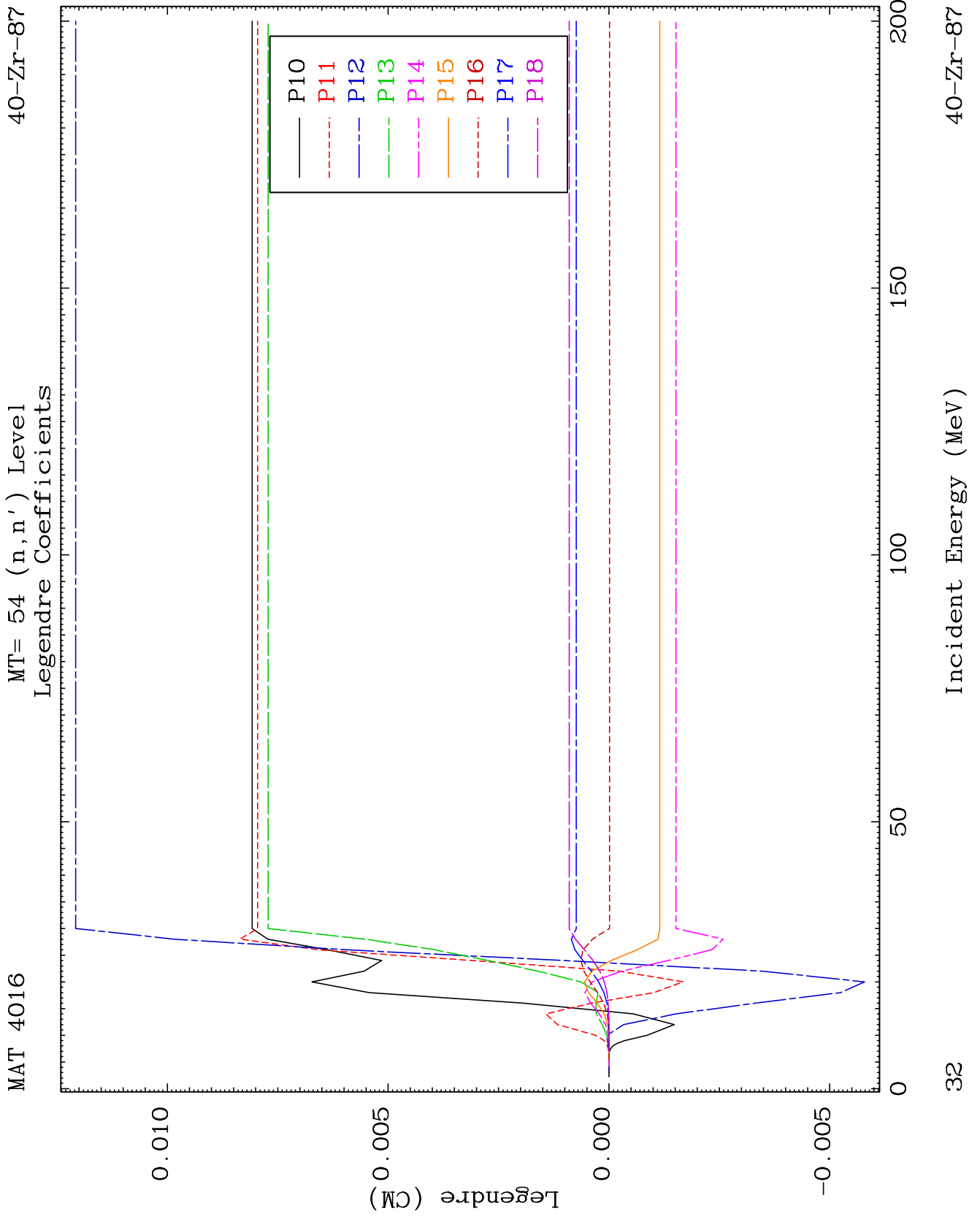








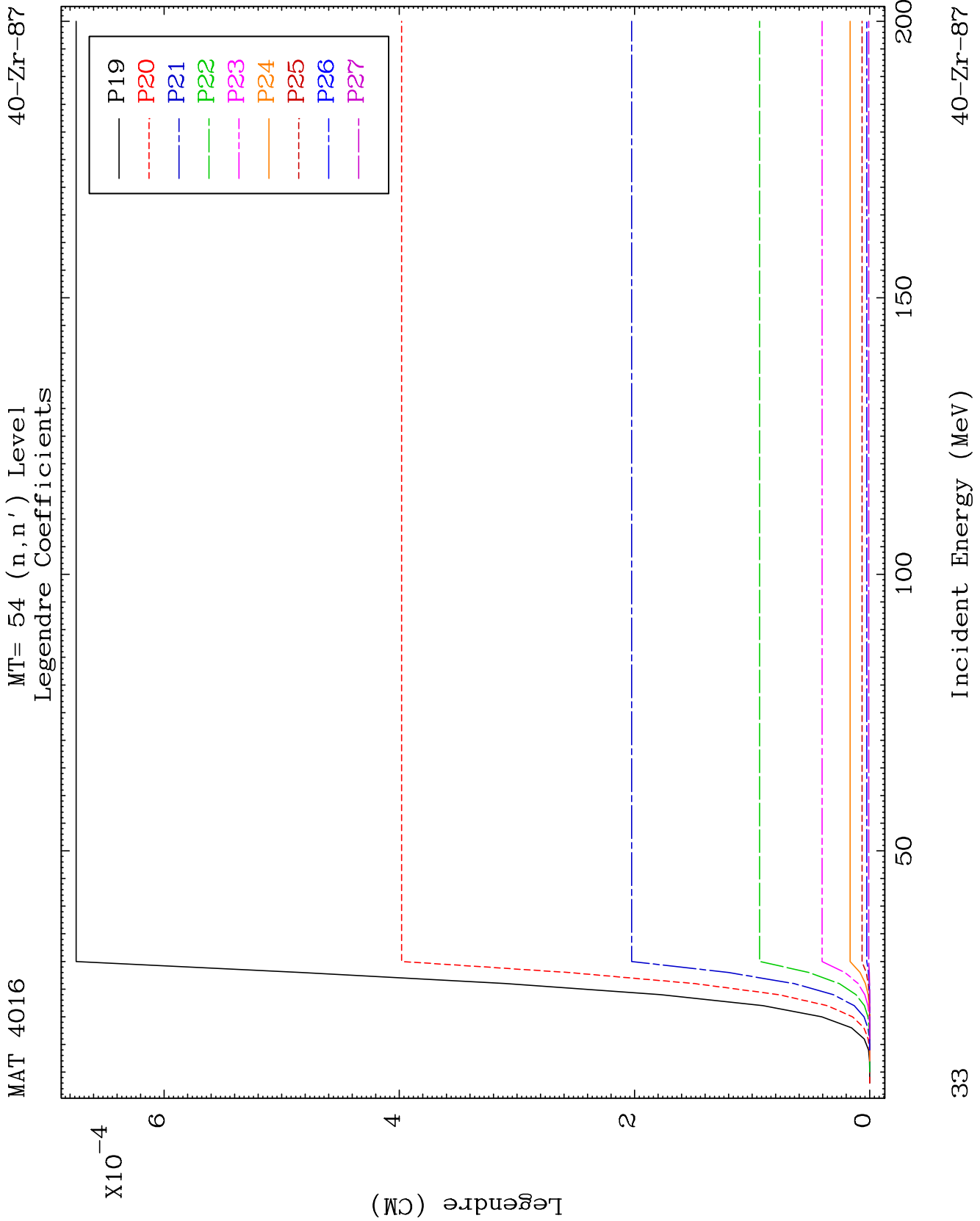


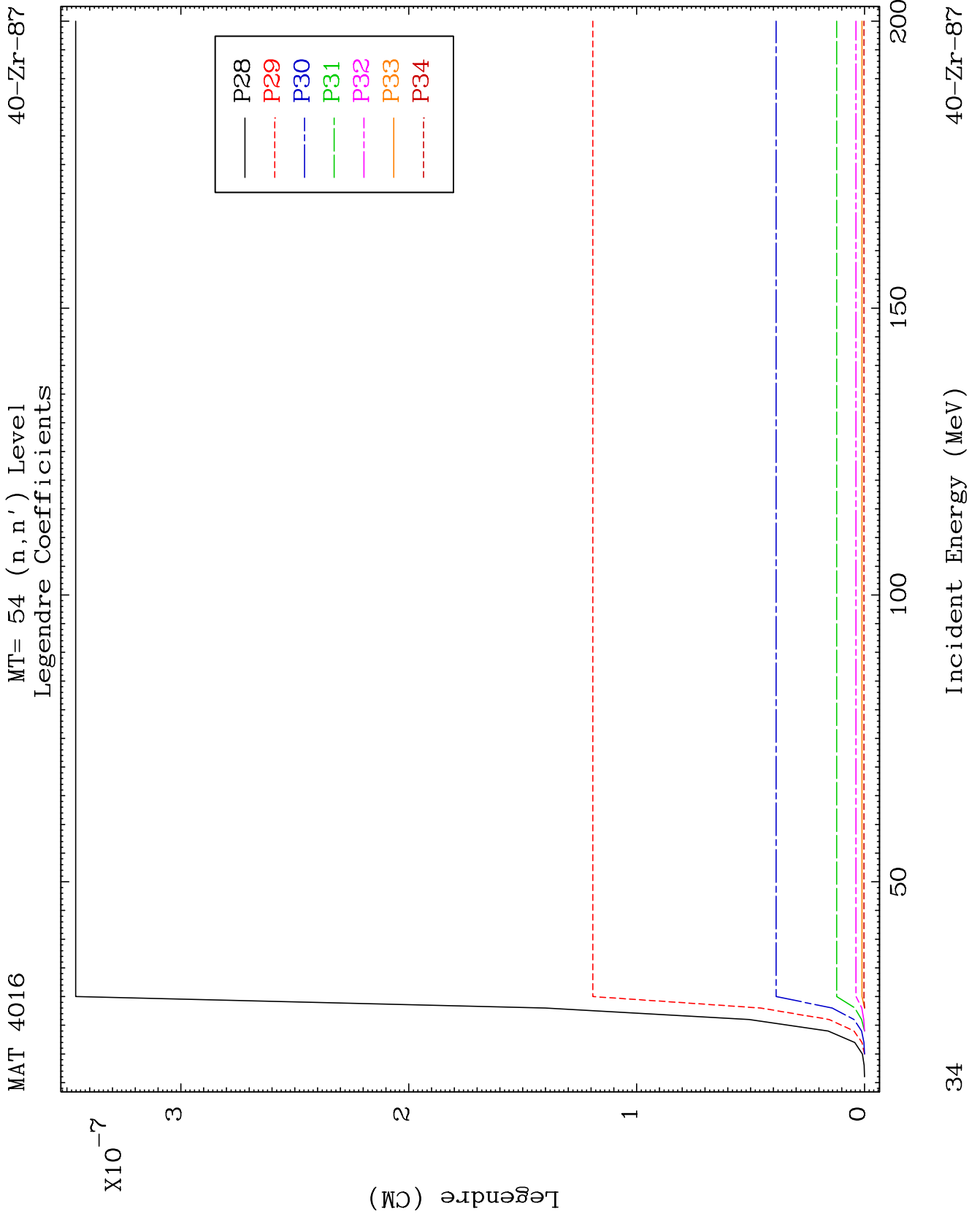


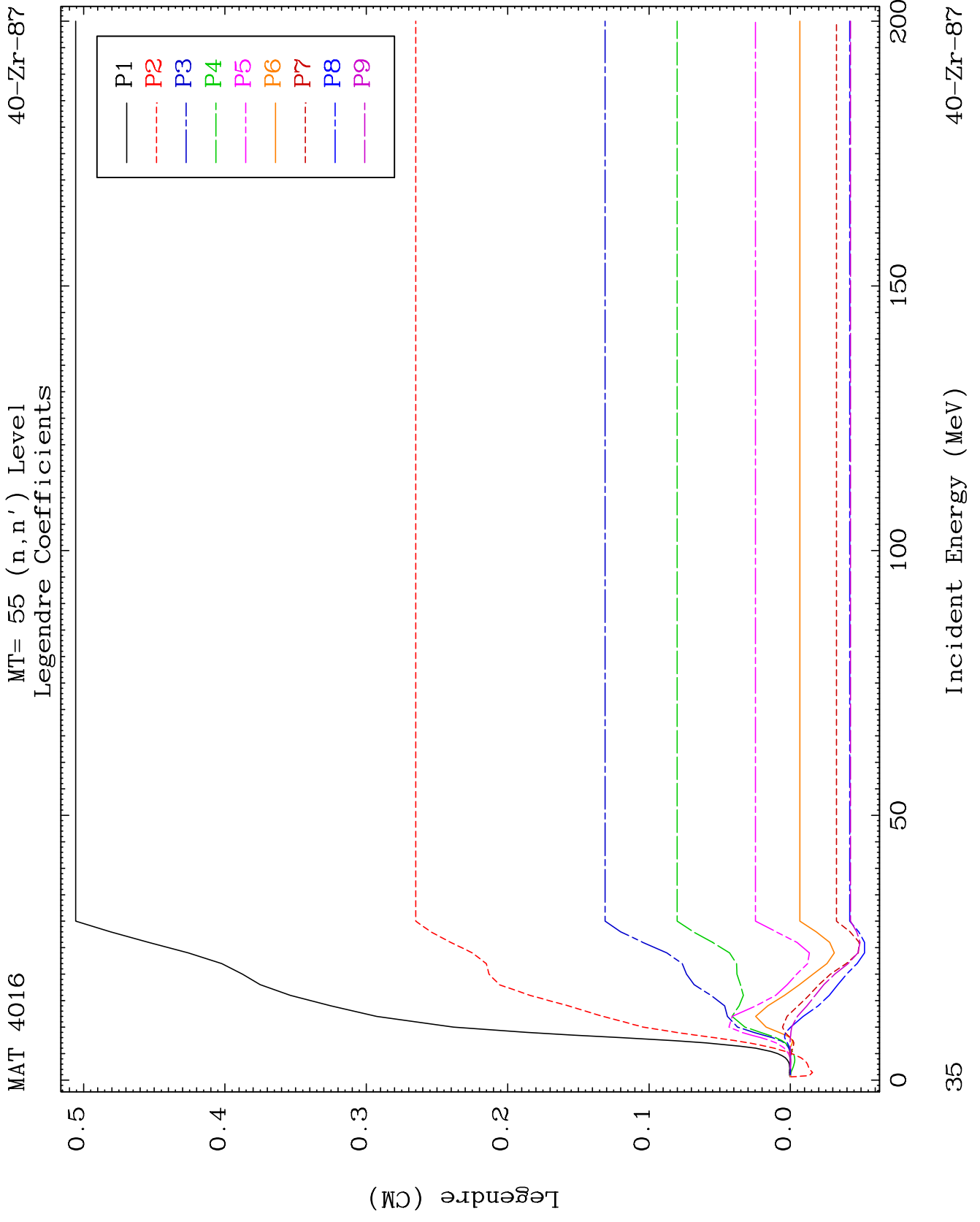
40-Zr-87

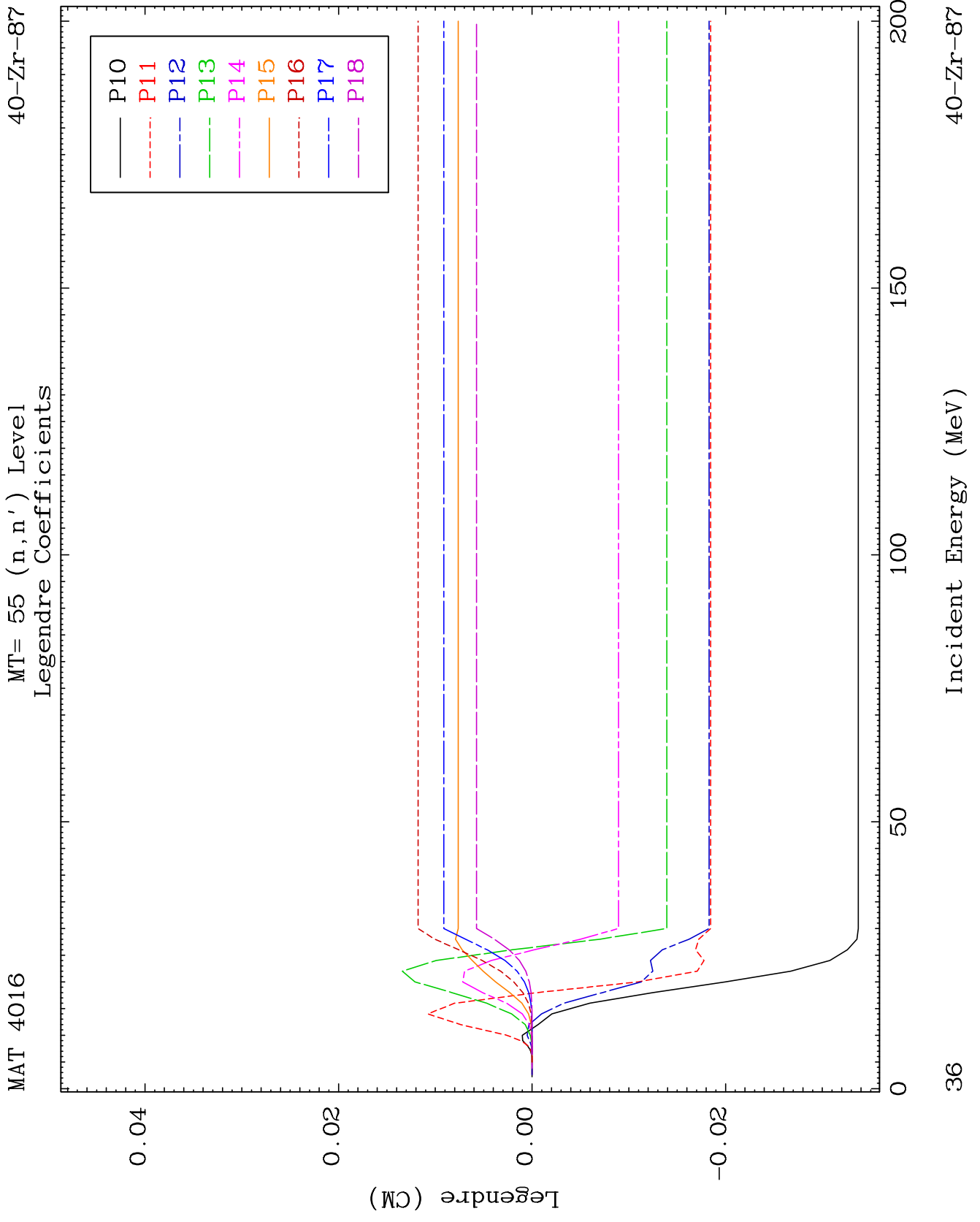
Incident Energy (MeV)

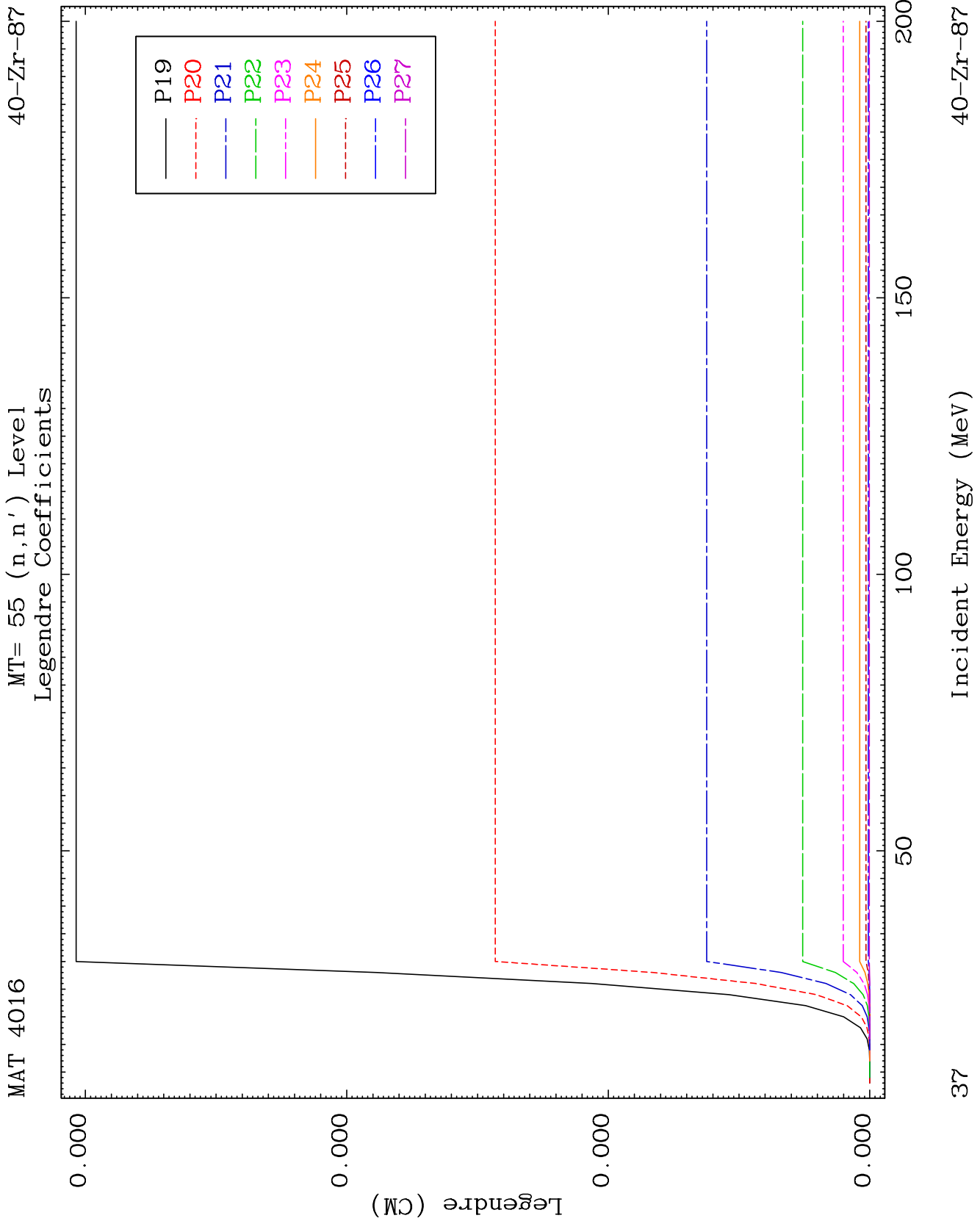
32







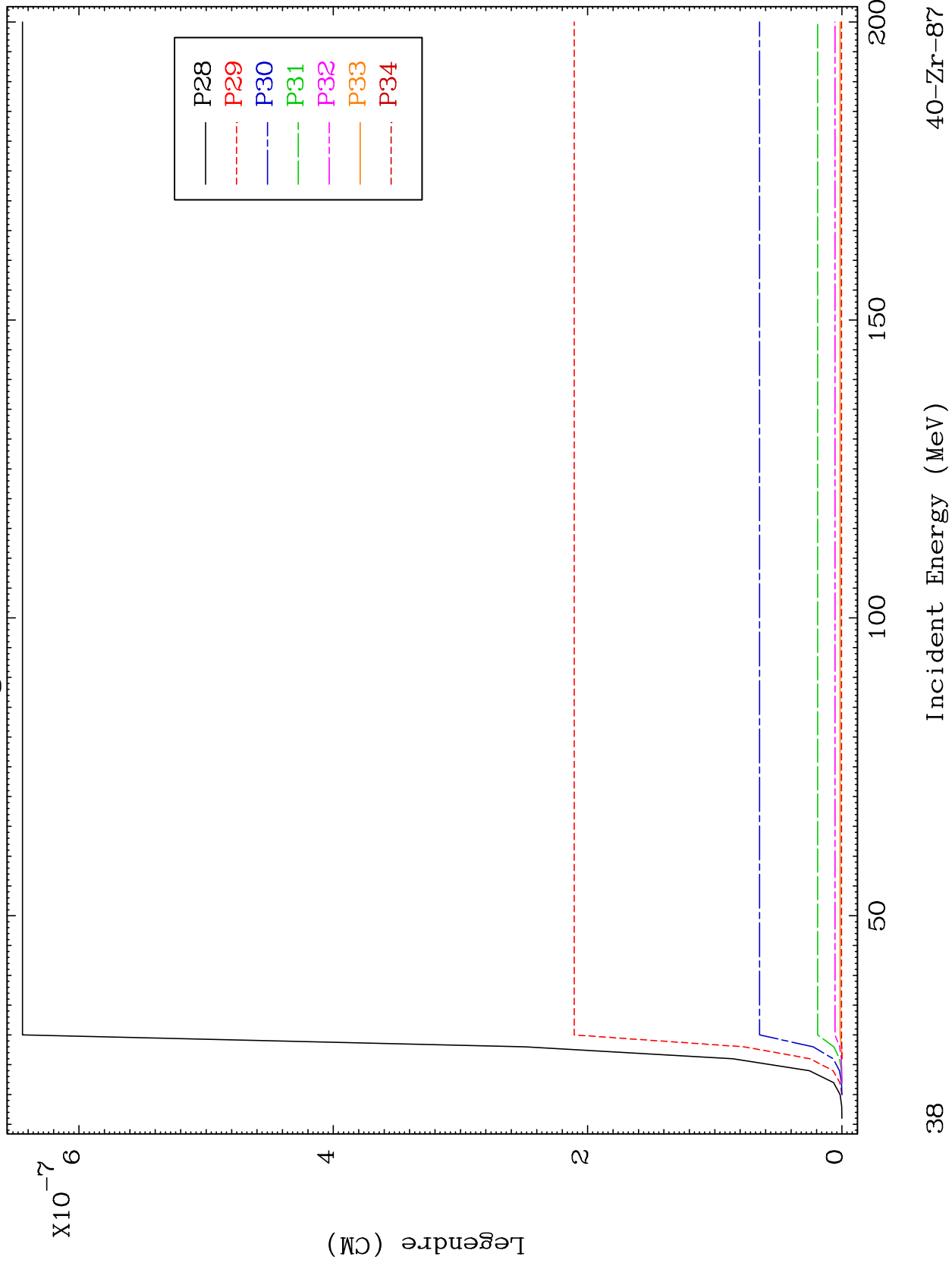




MAT 4016

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

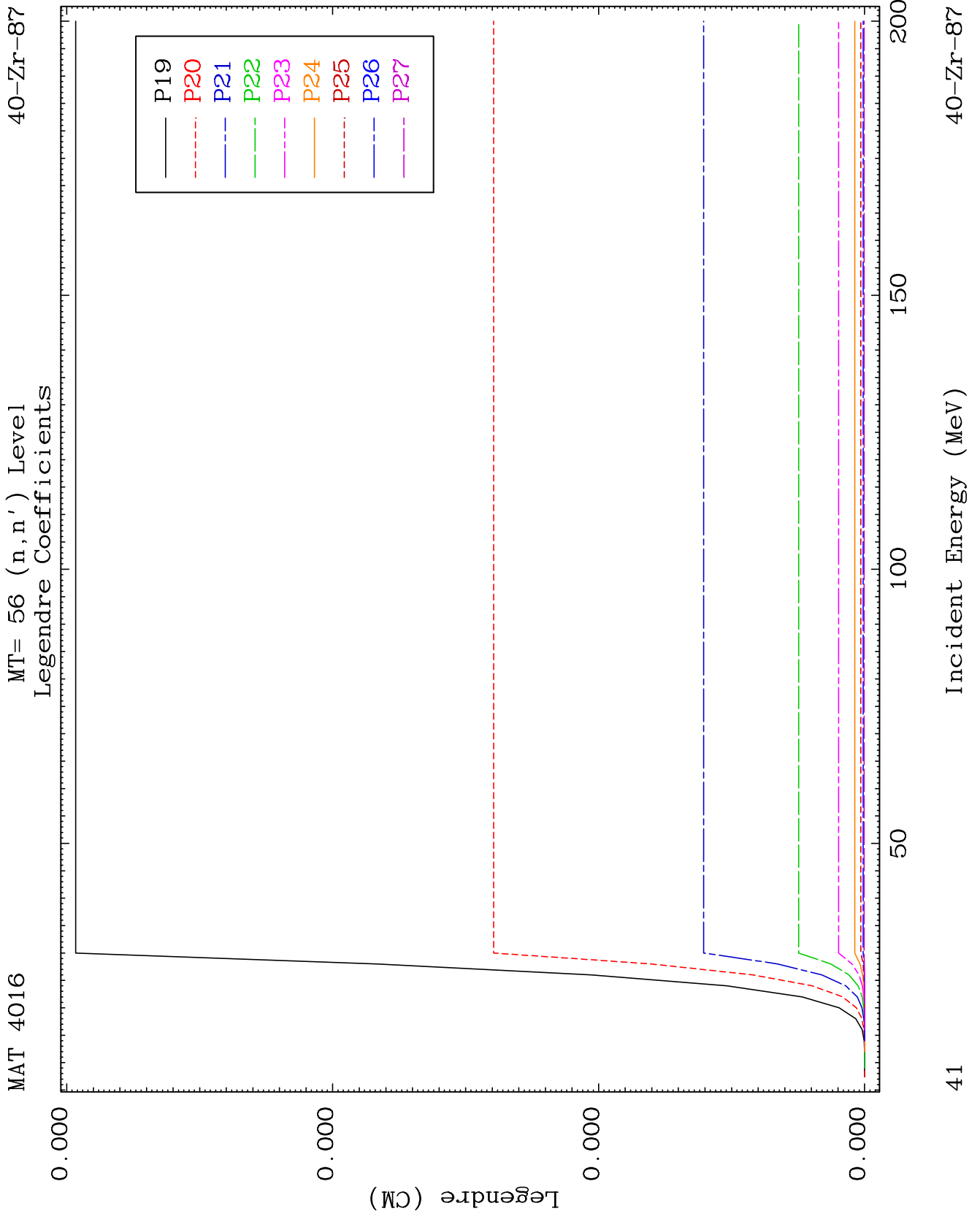
40-Zr-87

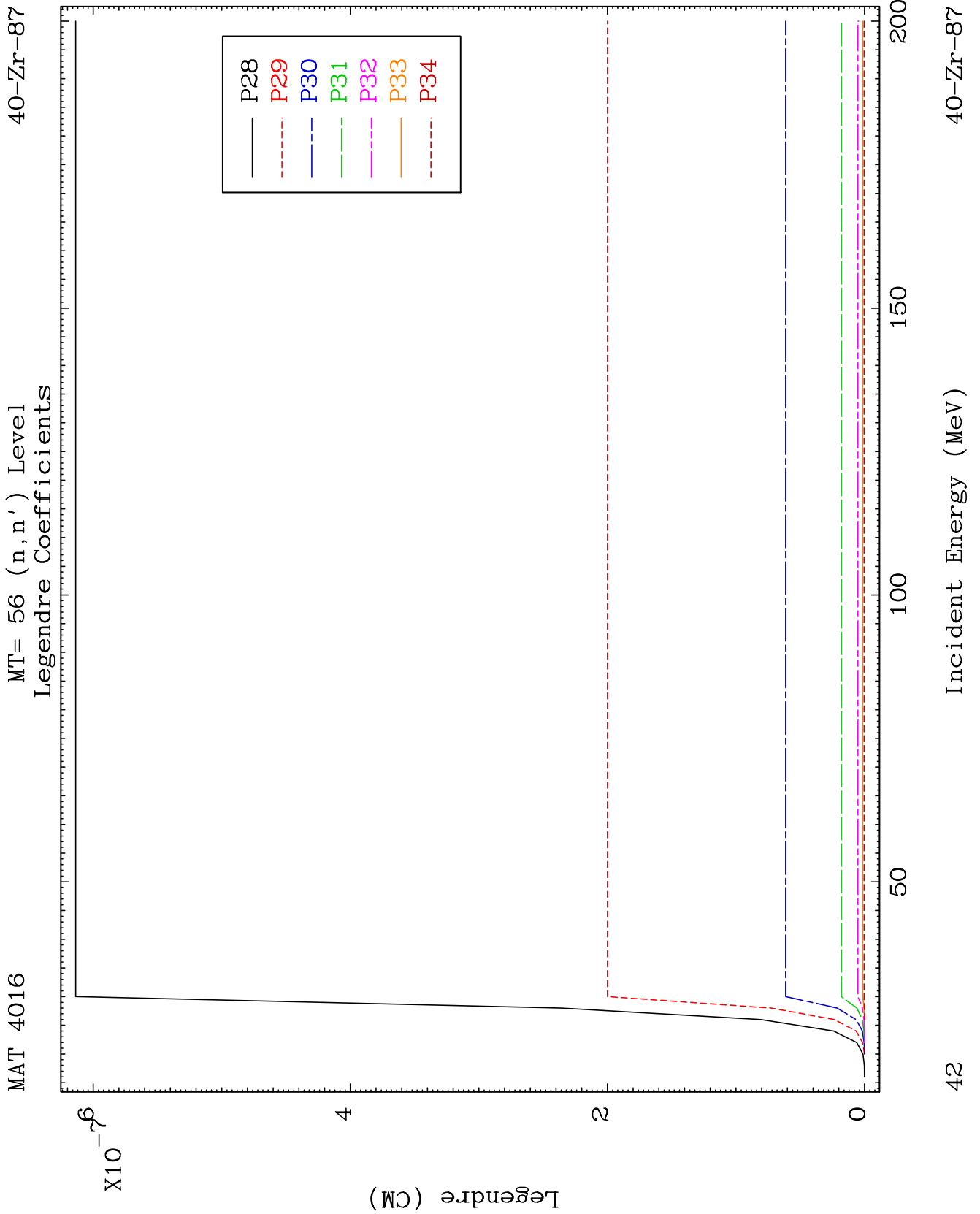


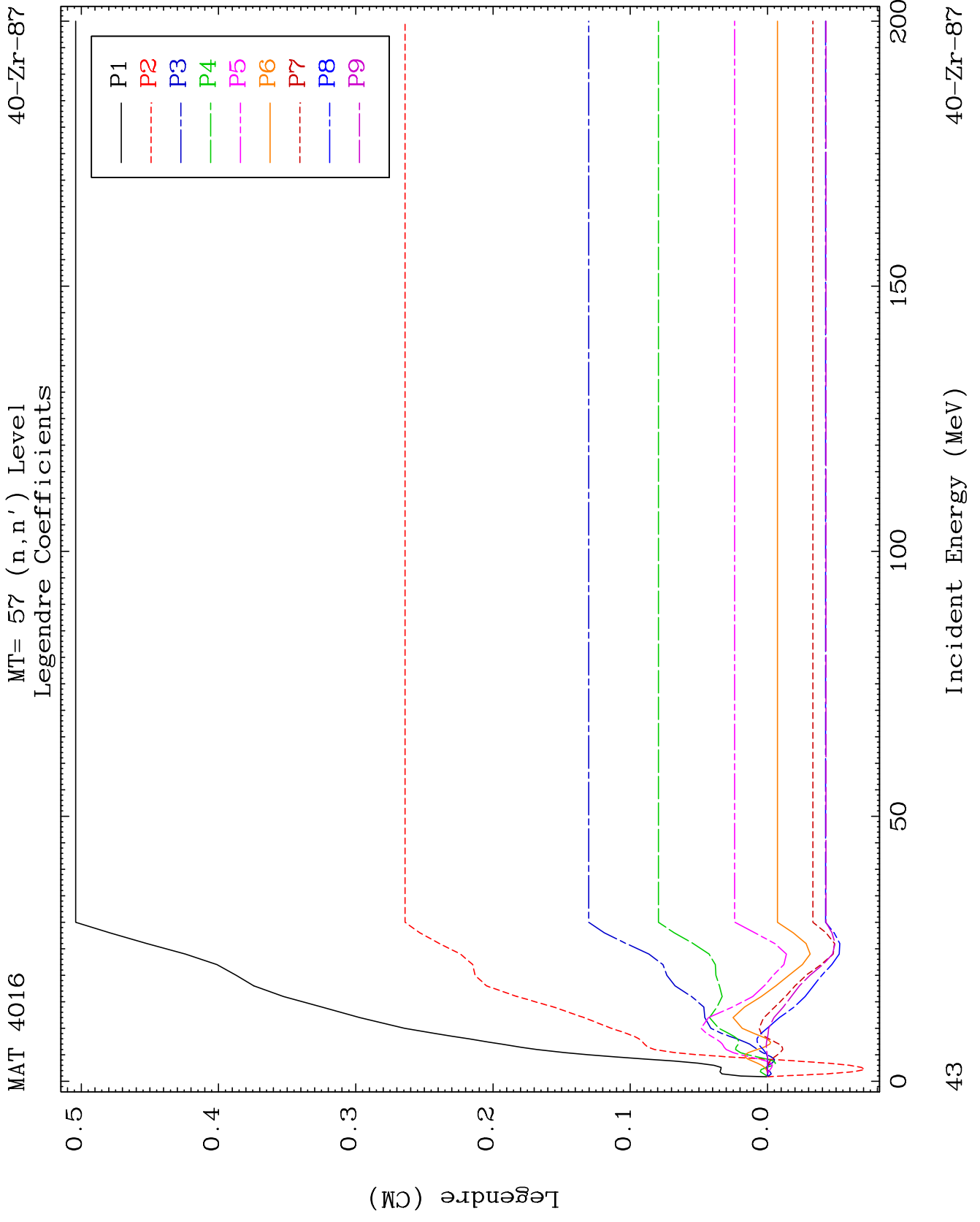
38

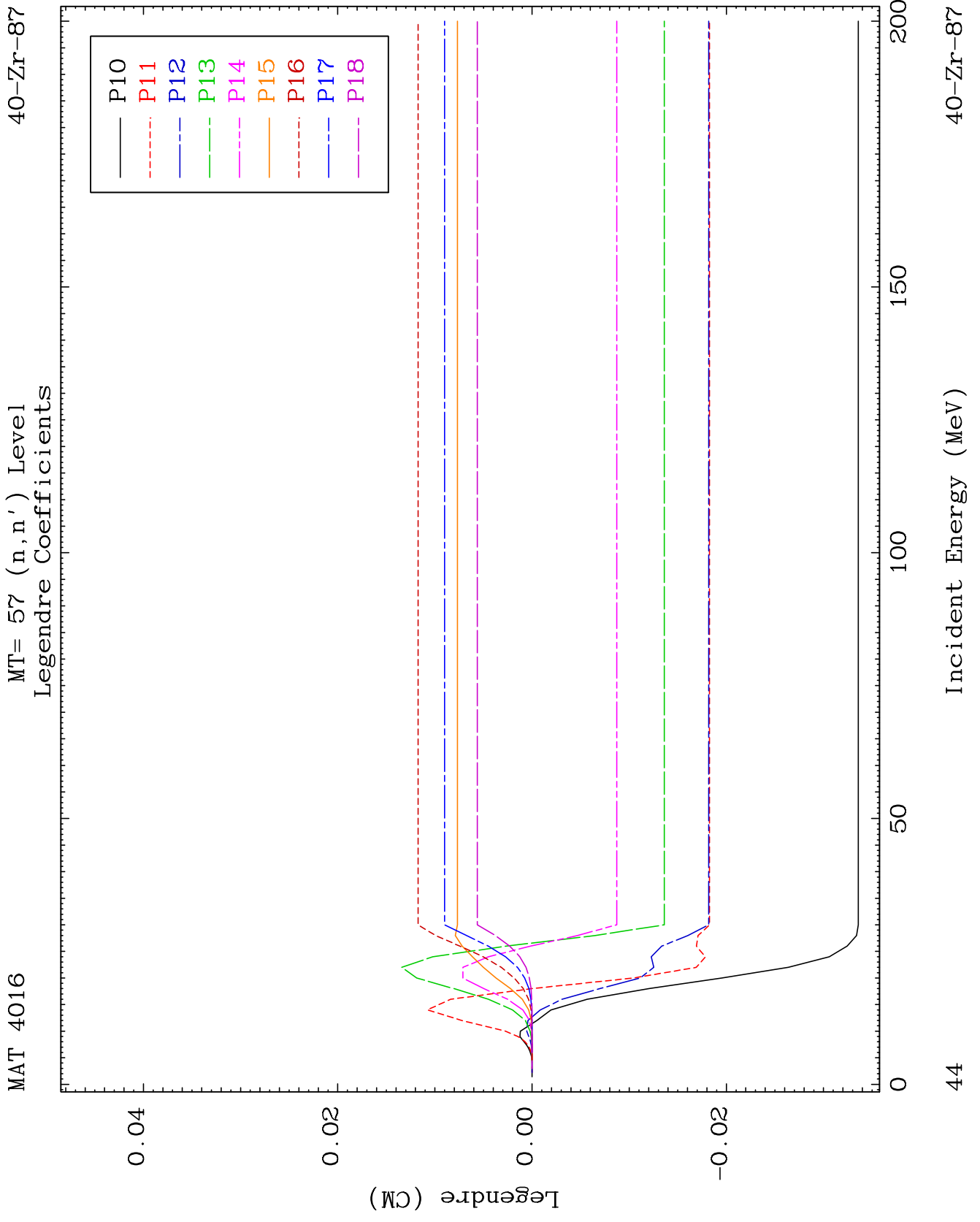
Incident Energy (MeV)

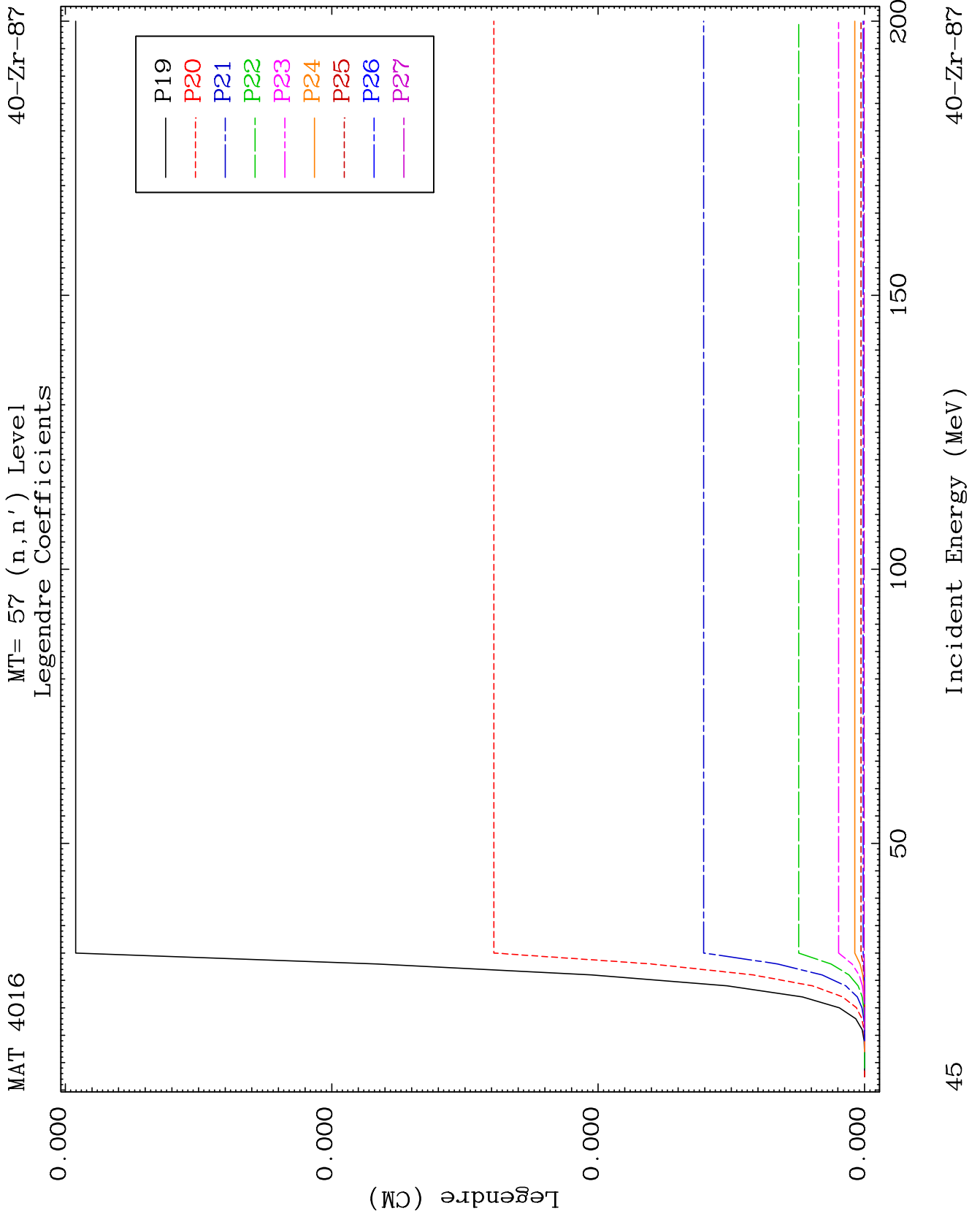
40-Zr-87

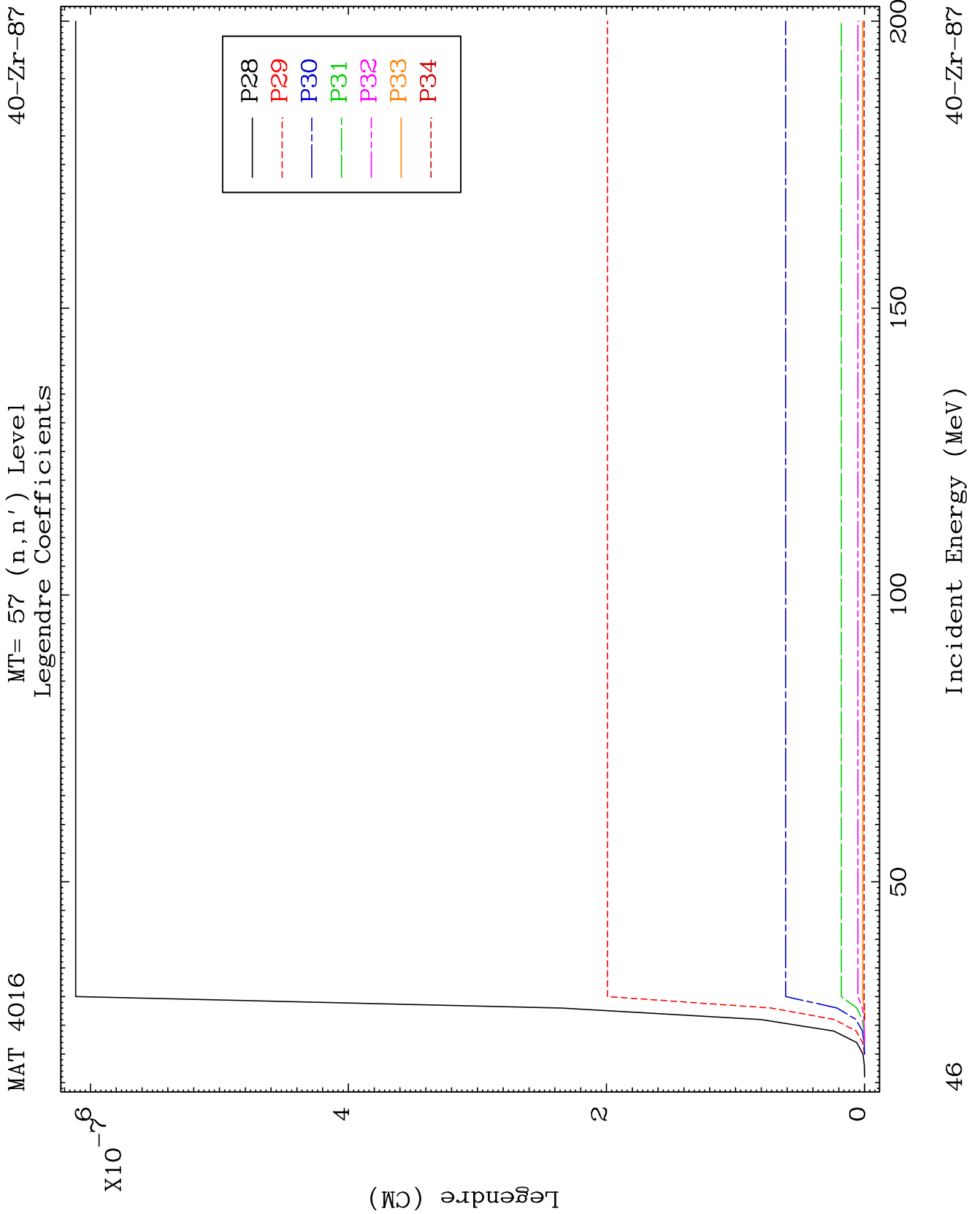


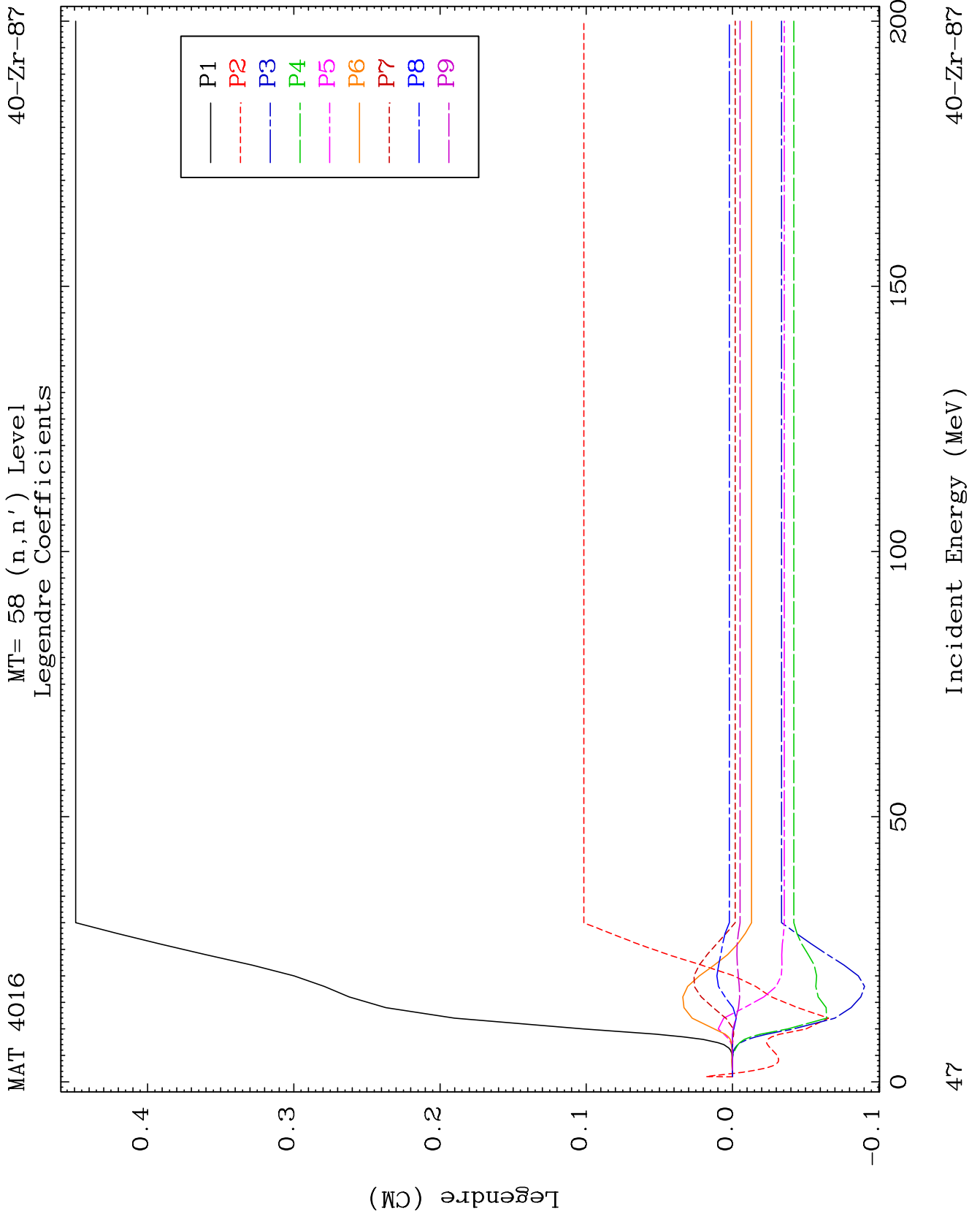


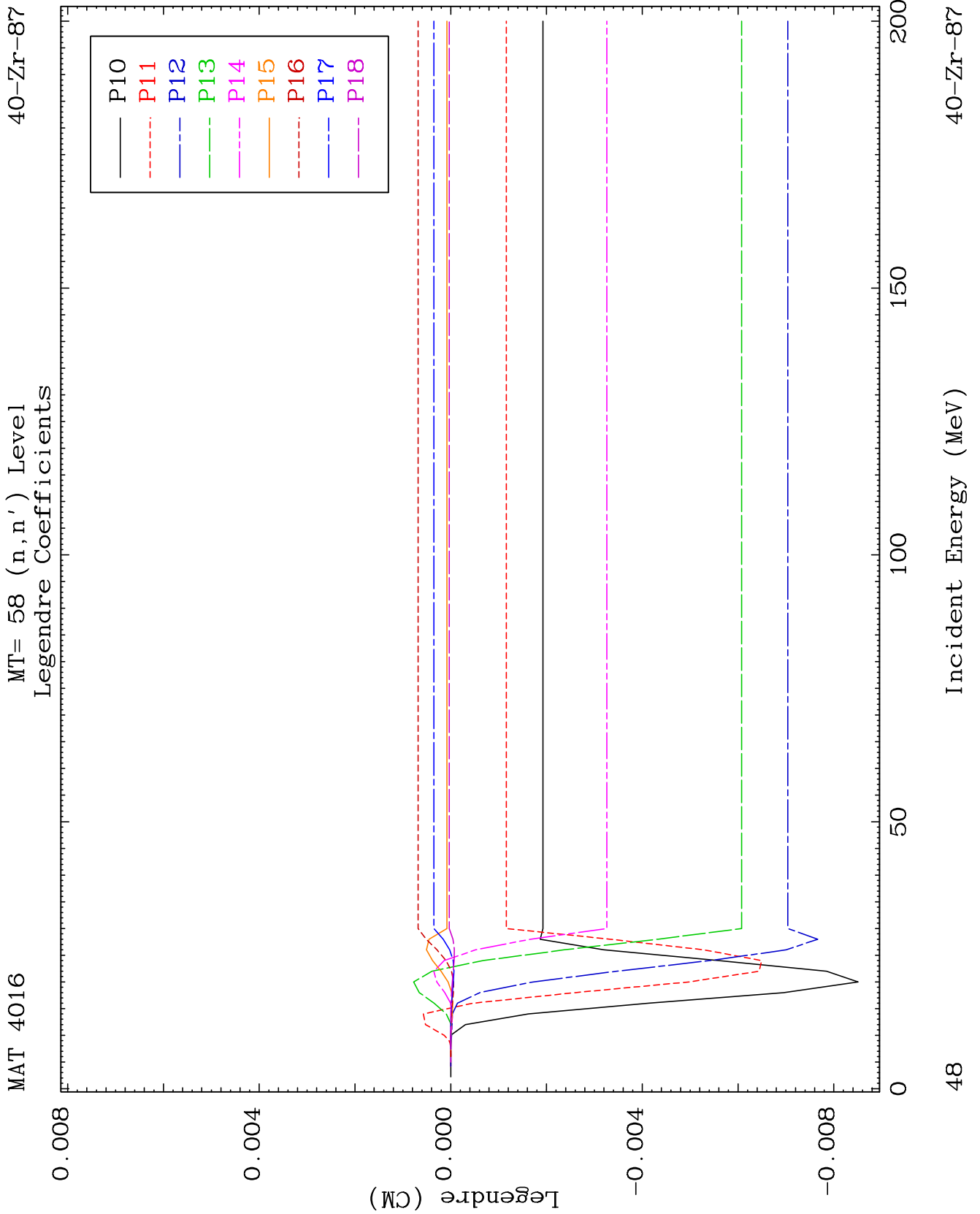


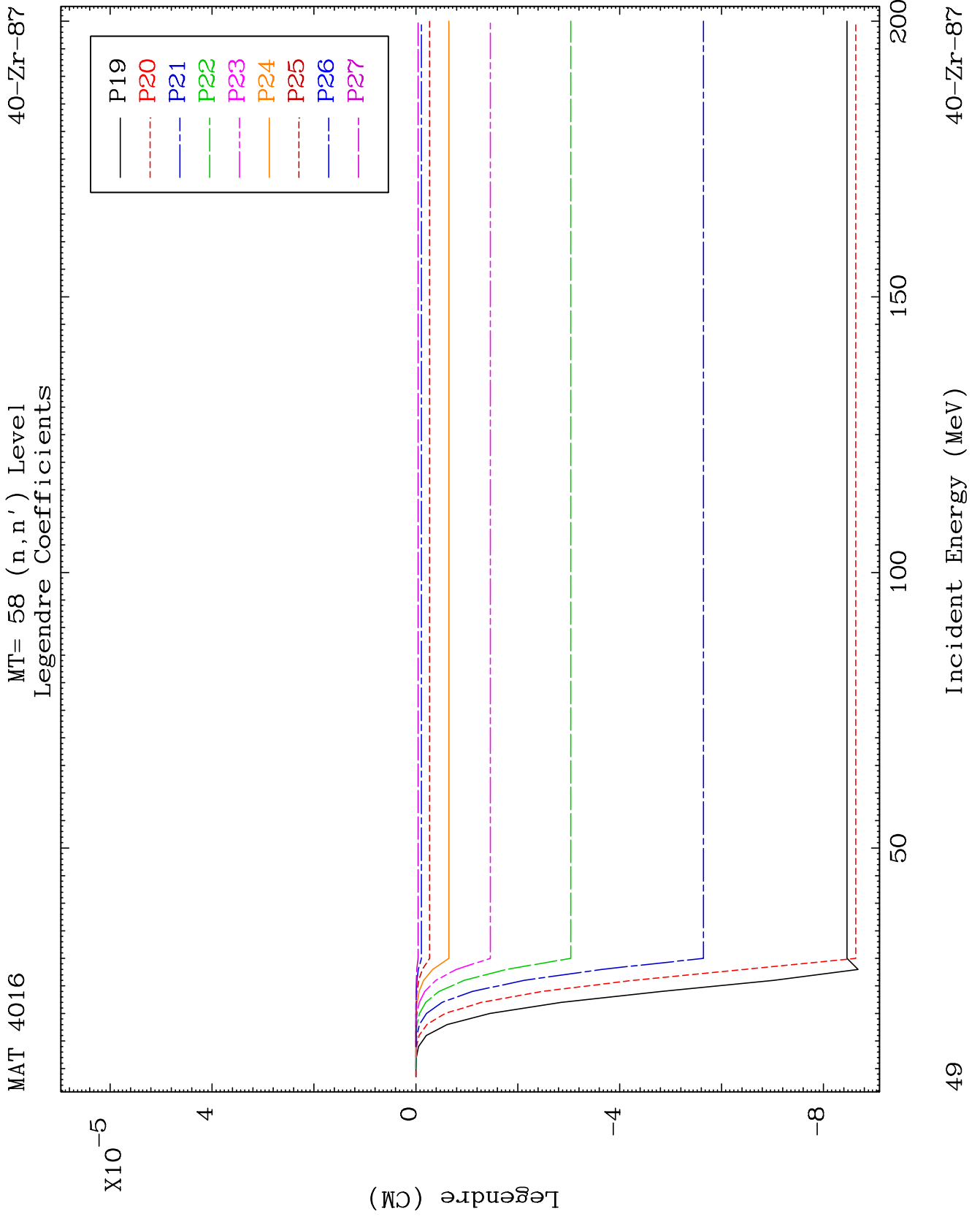


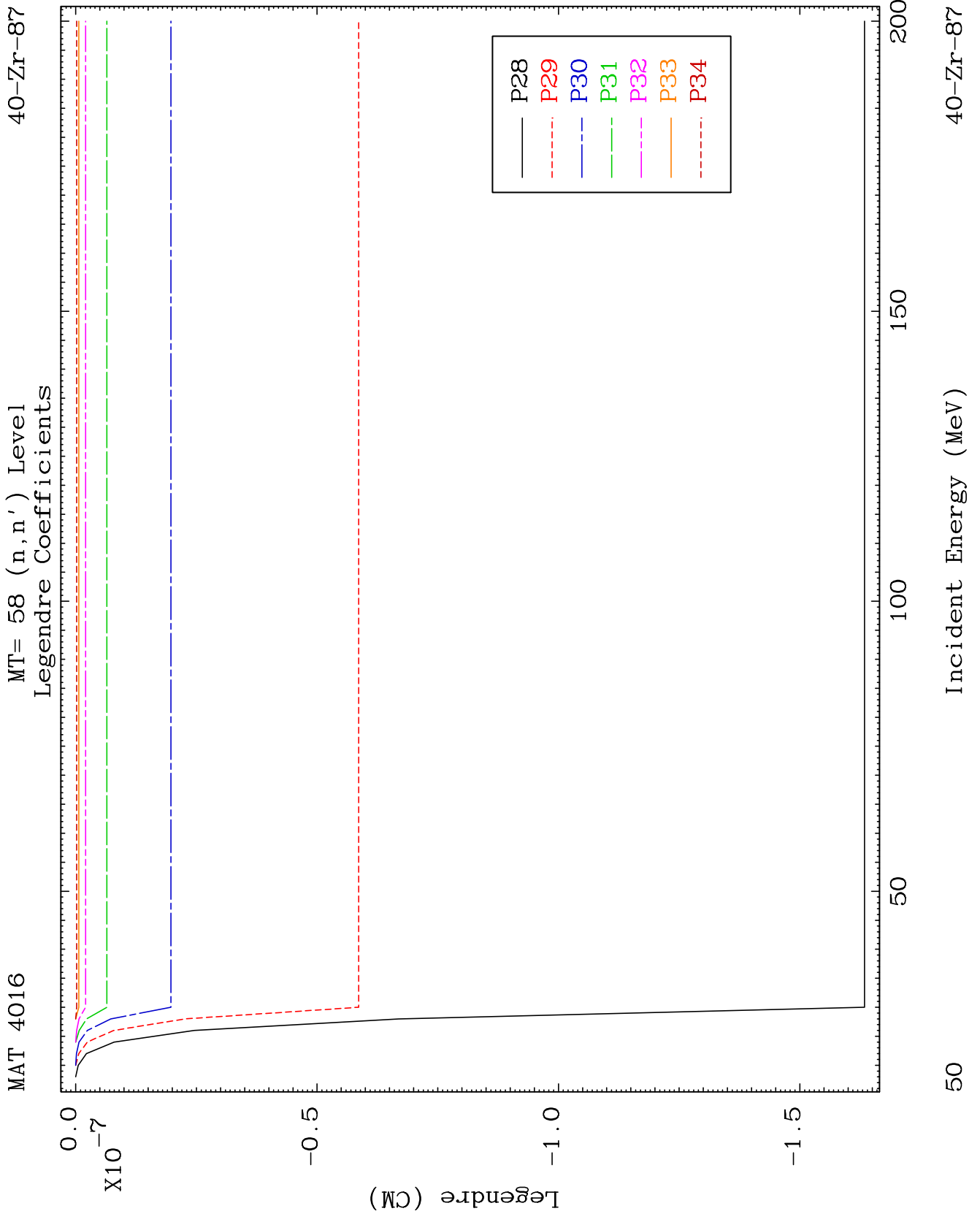


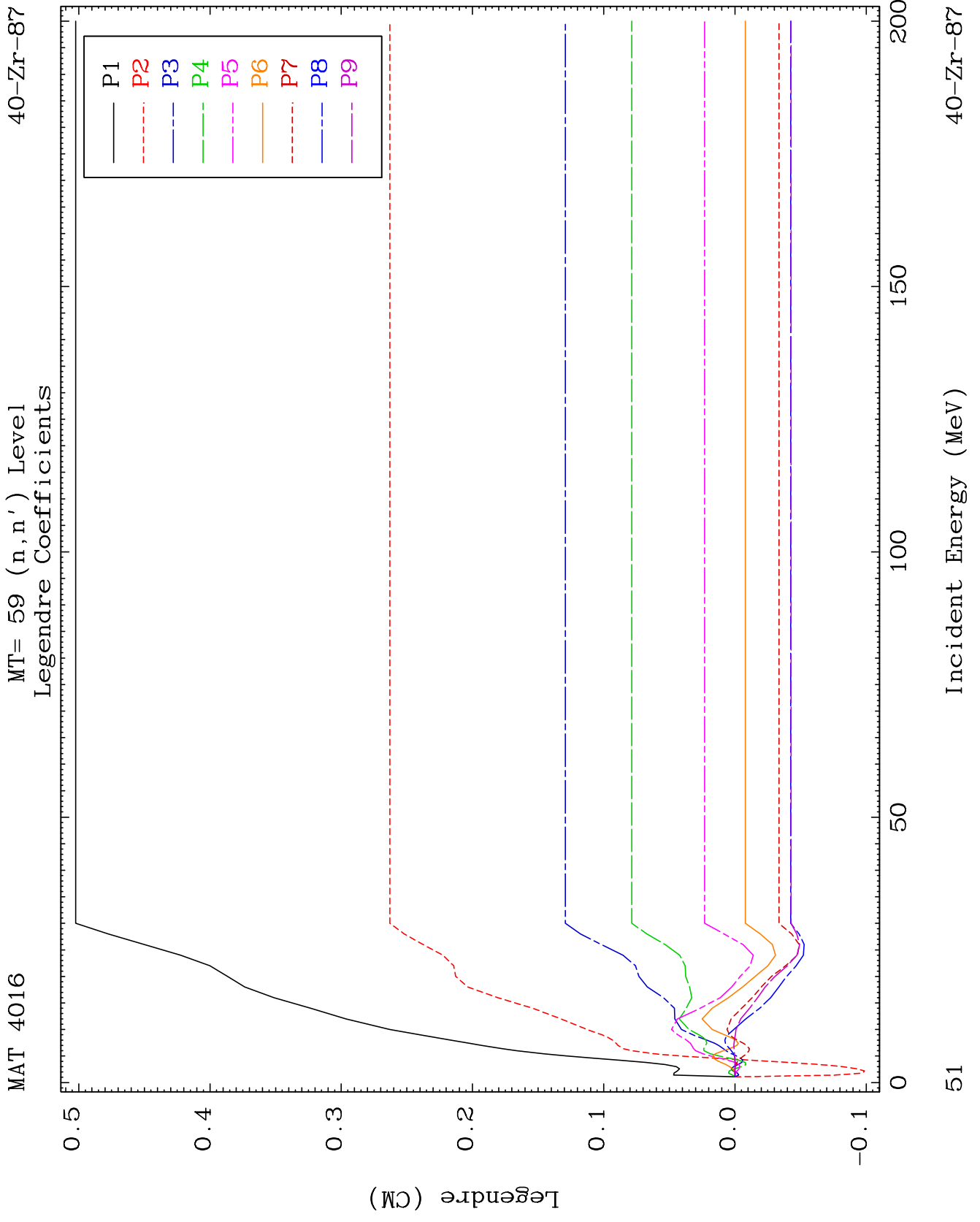


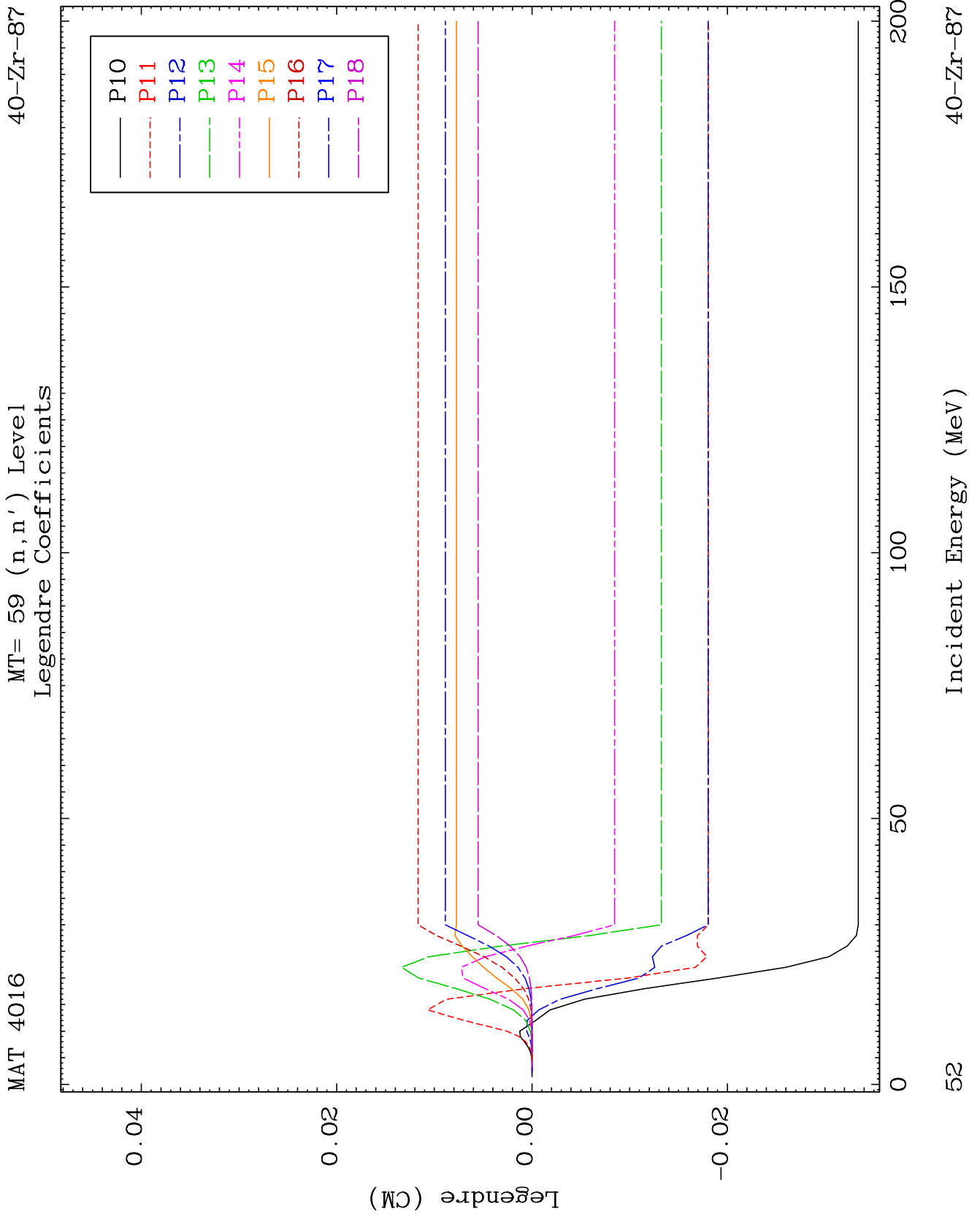








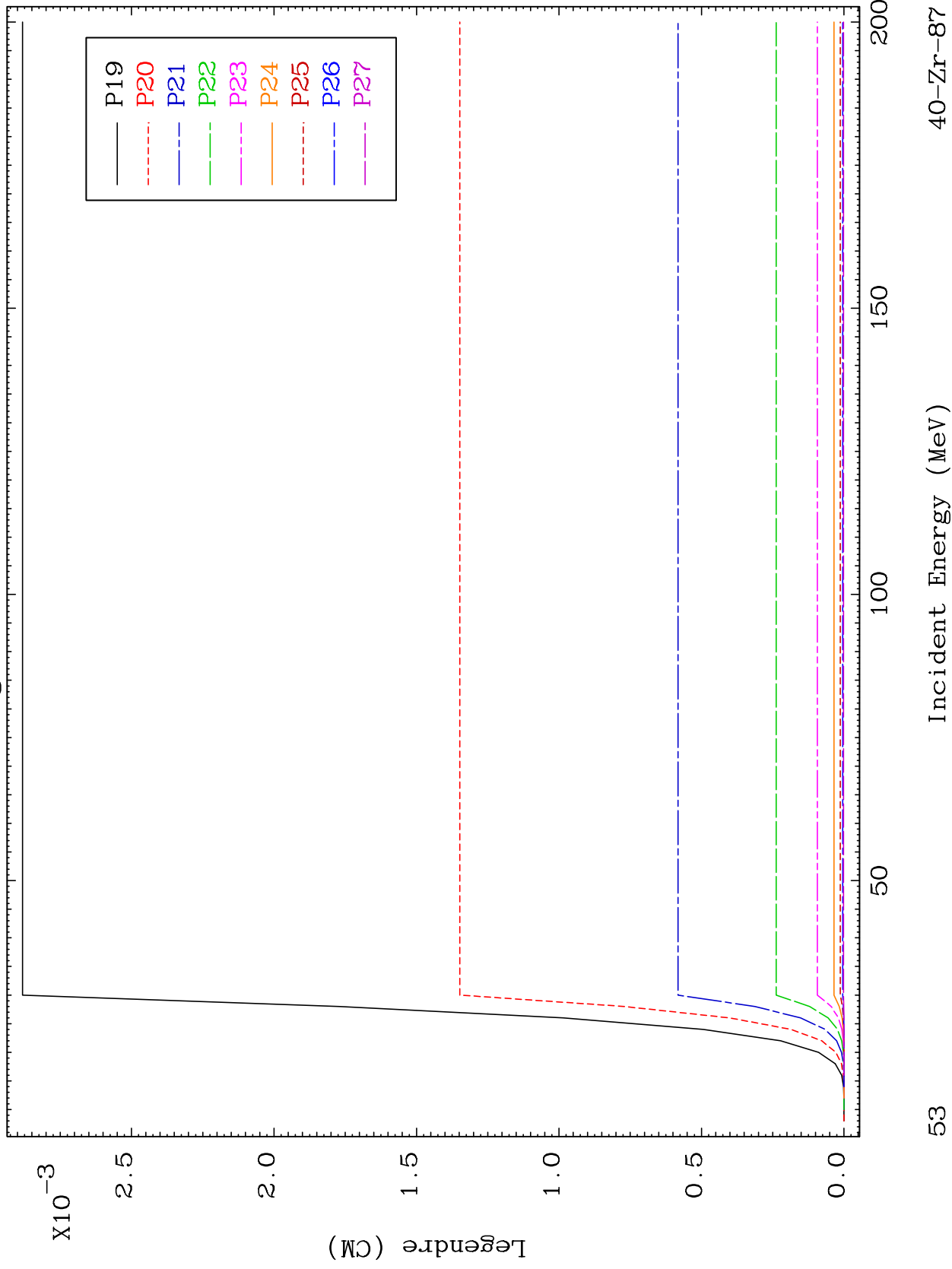




MAT 4016

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

40-Zr-87

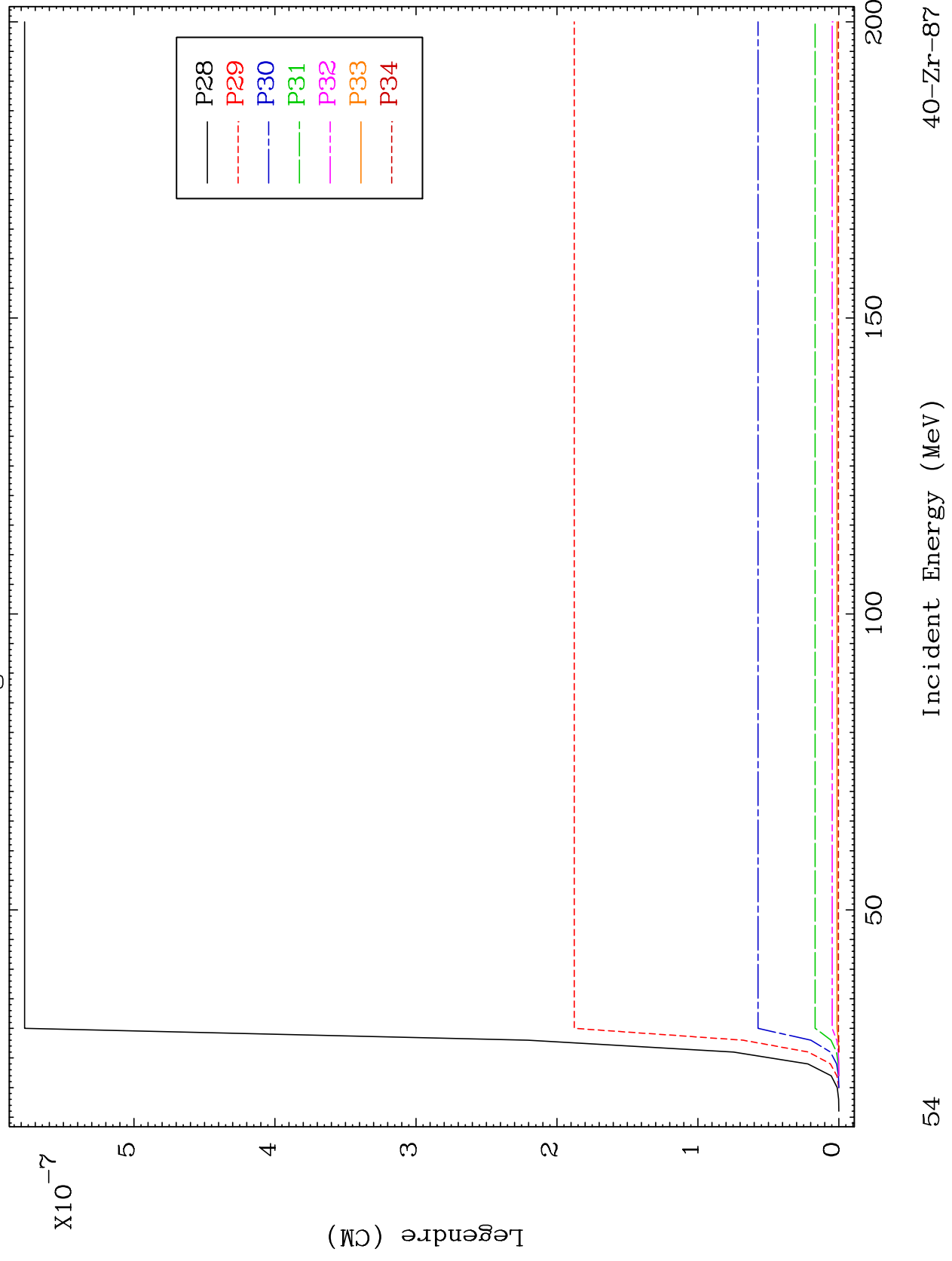


53

MAT 4016

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

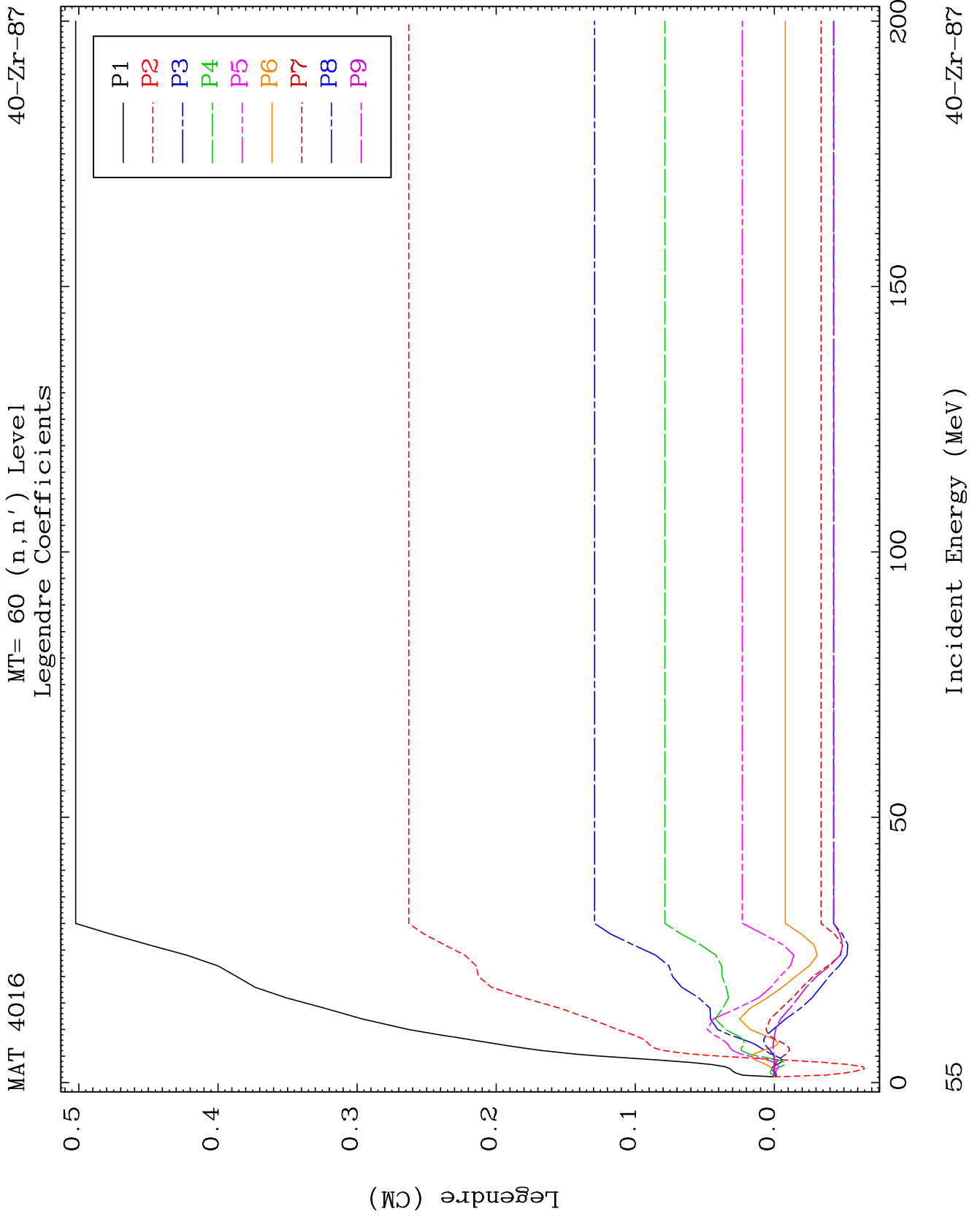
40-Zr-87

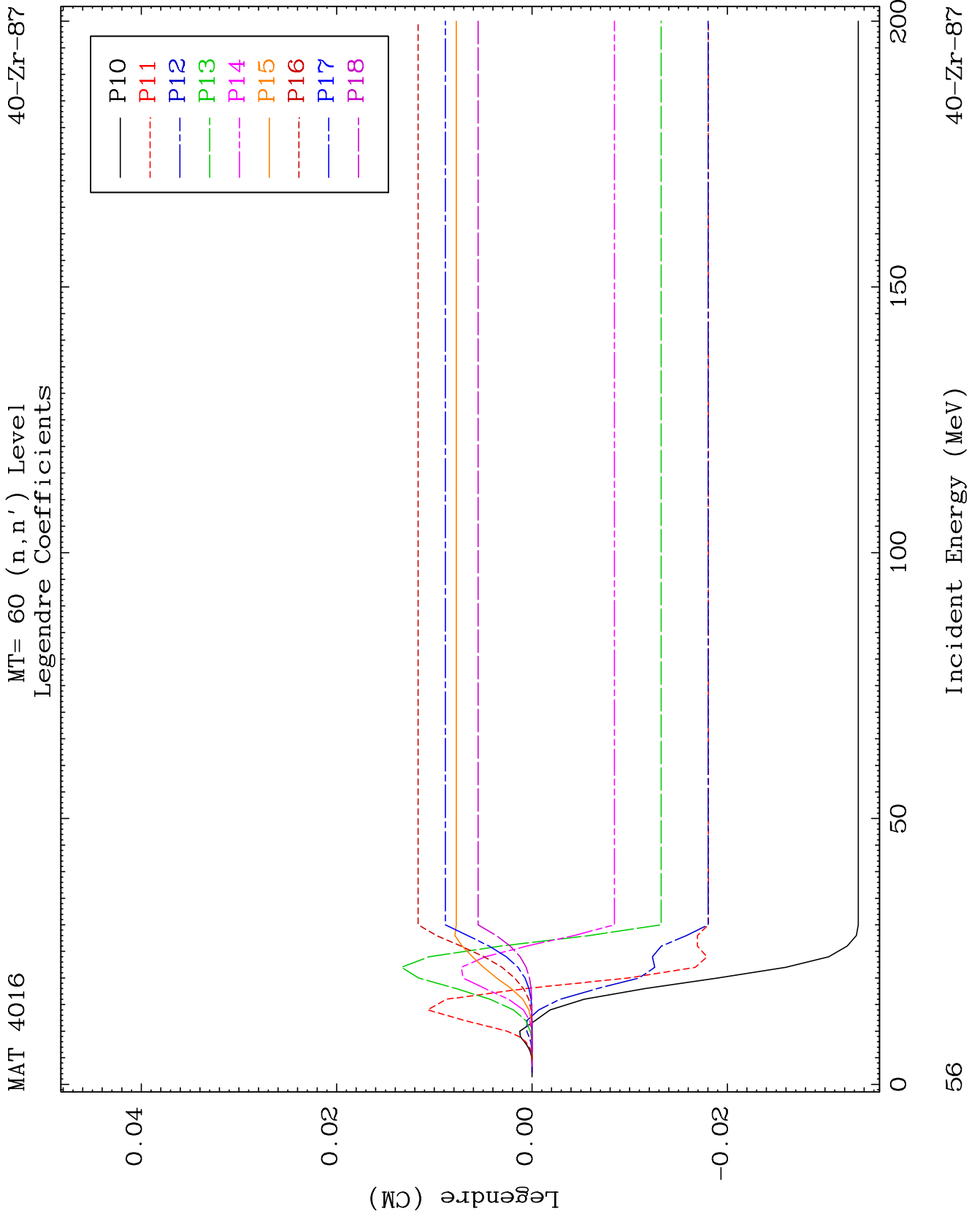


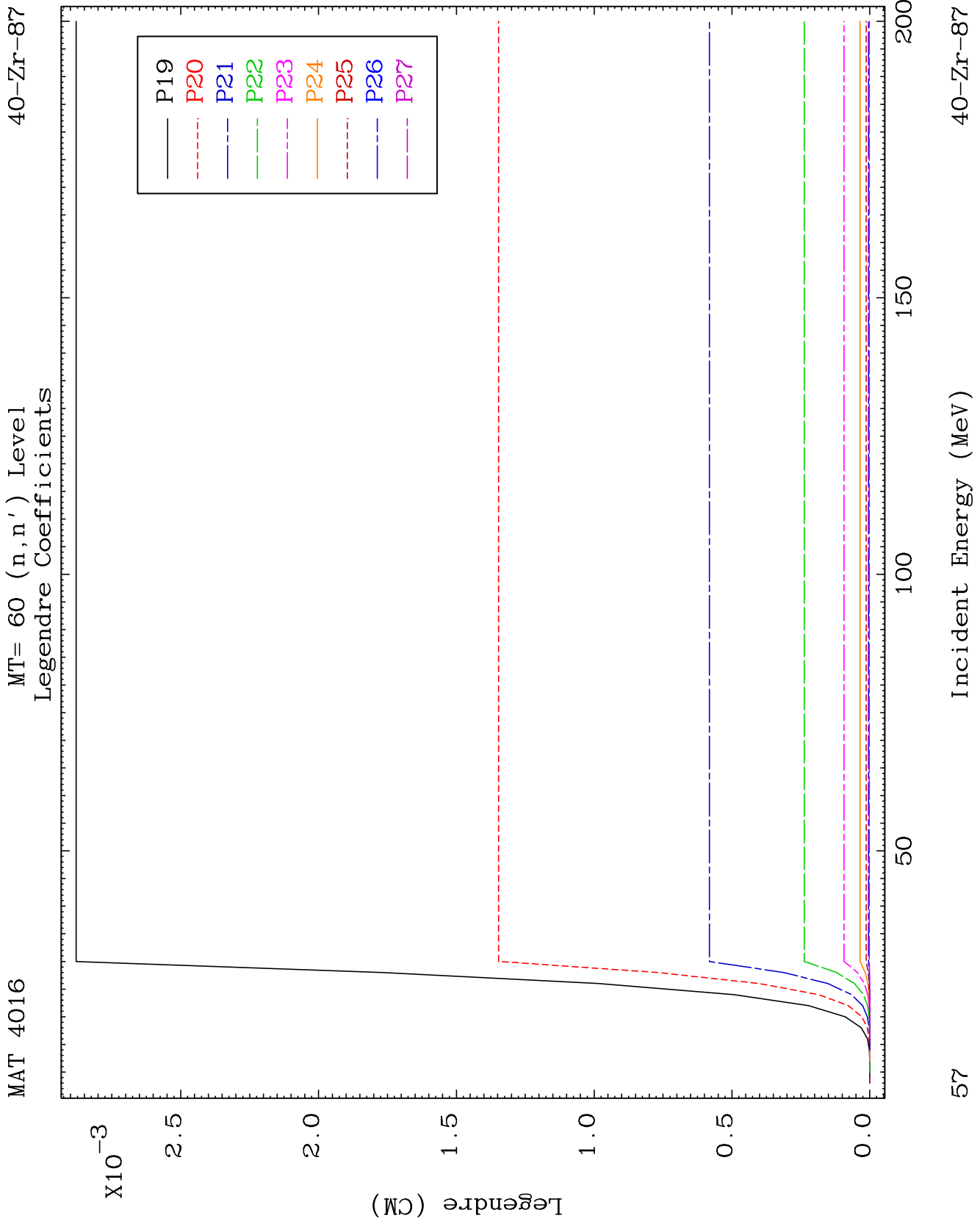
54

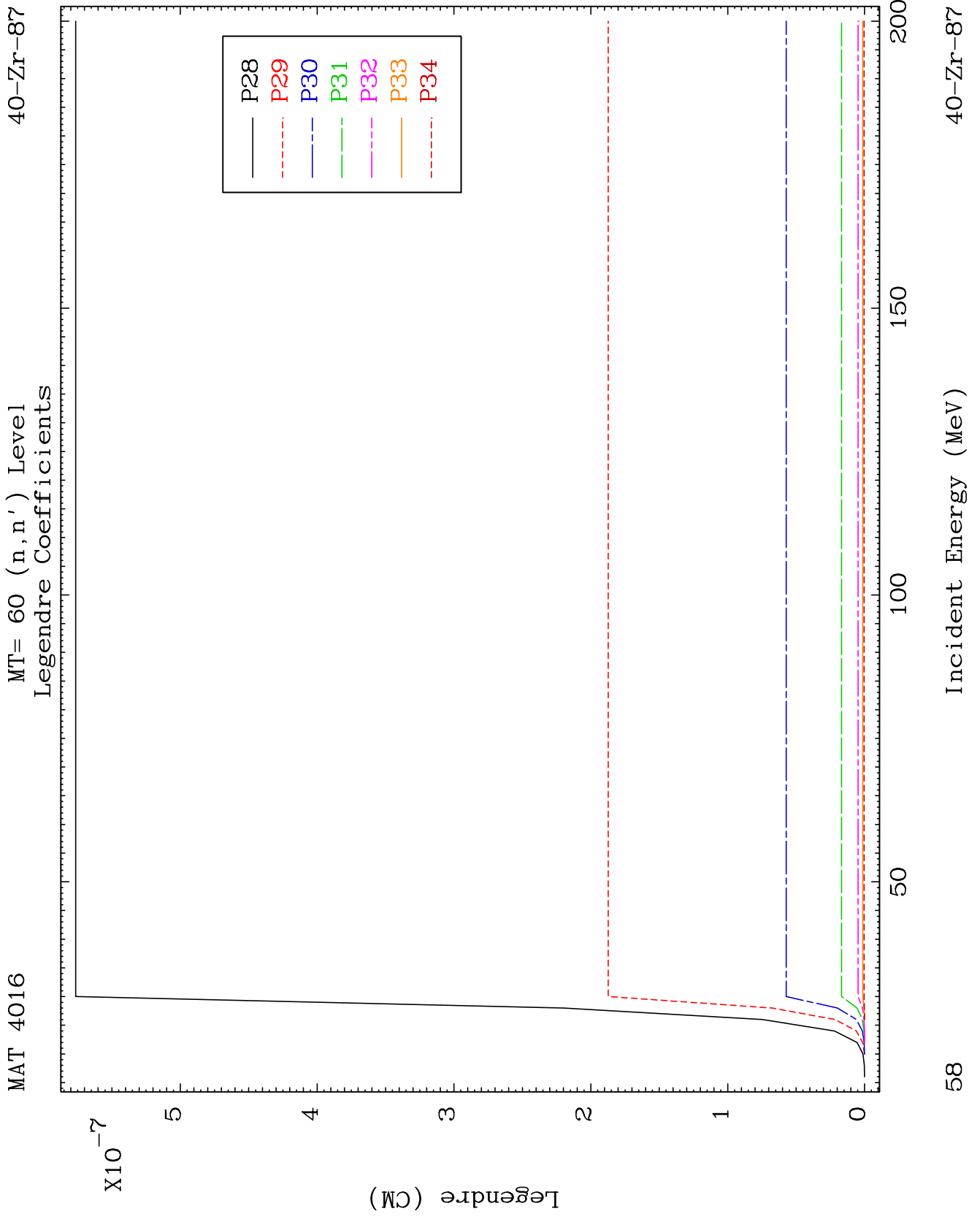
Incident Energy (MeV)

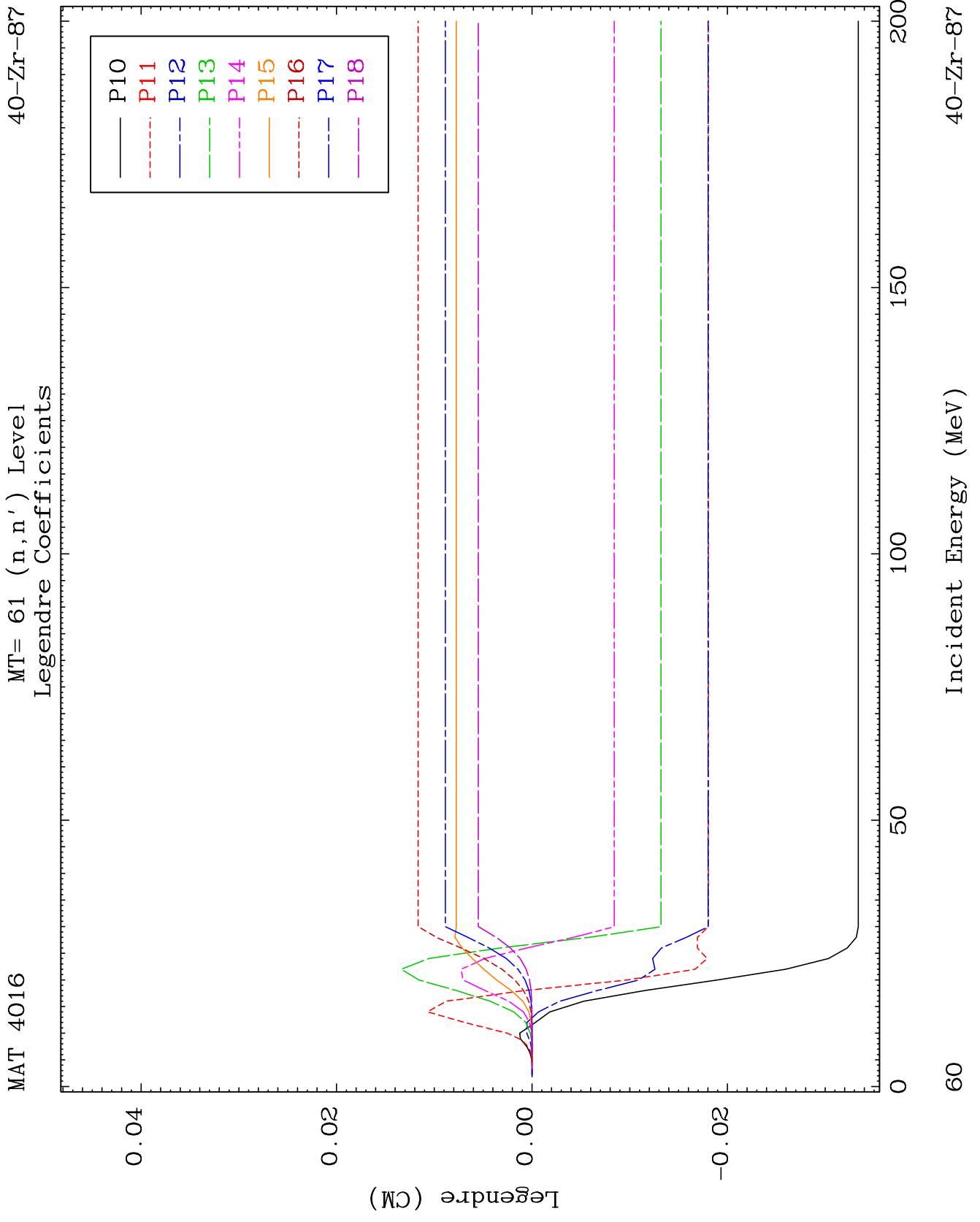
40-Zr-87

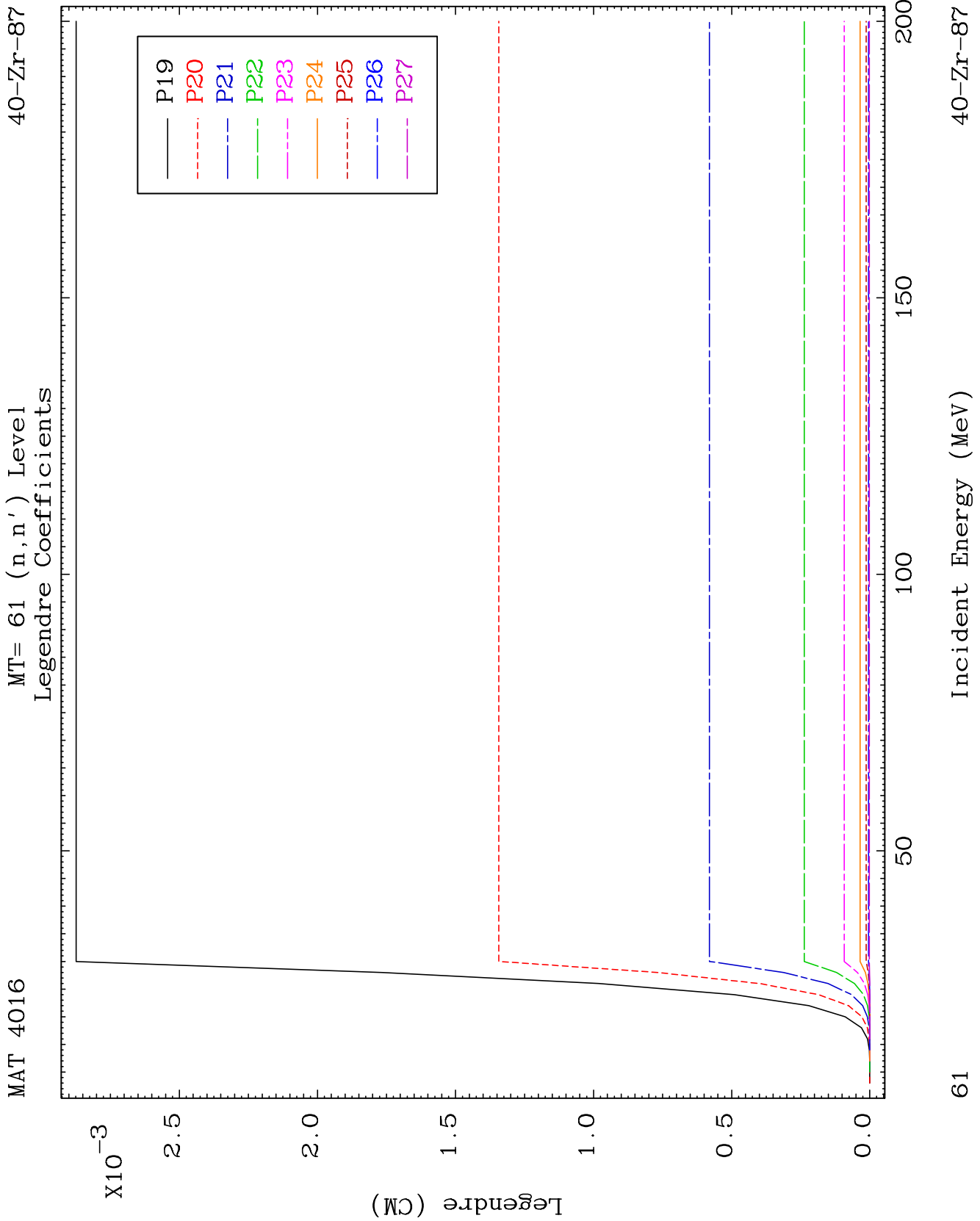


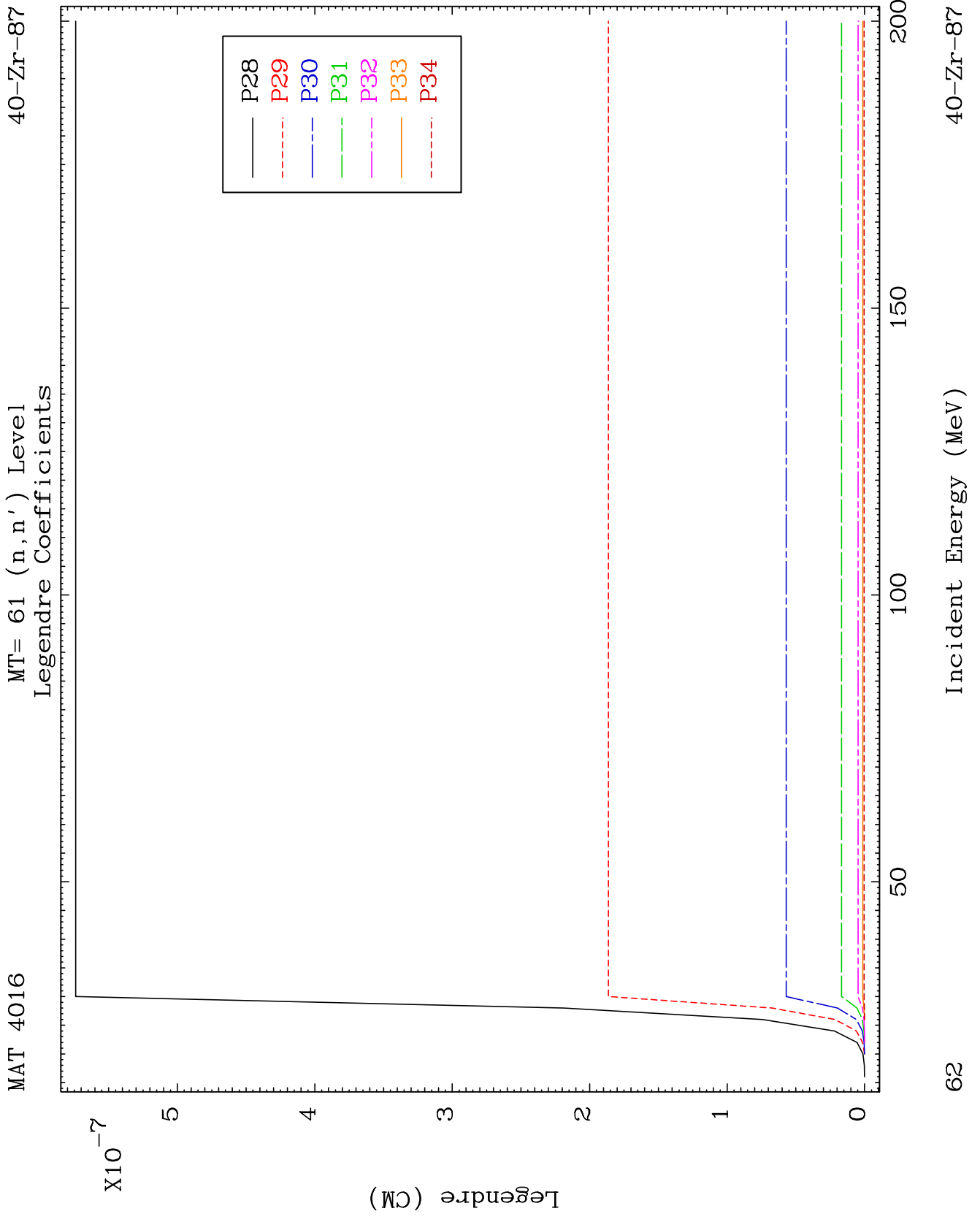








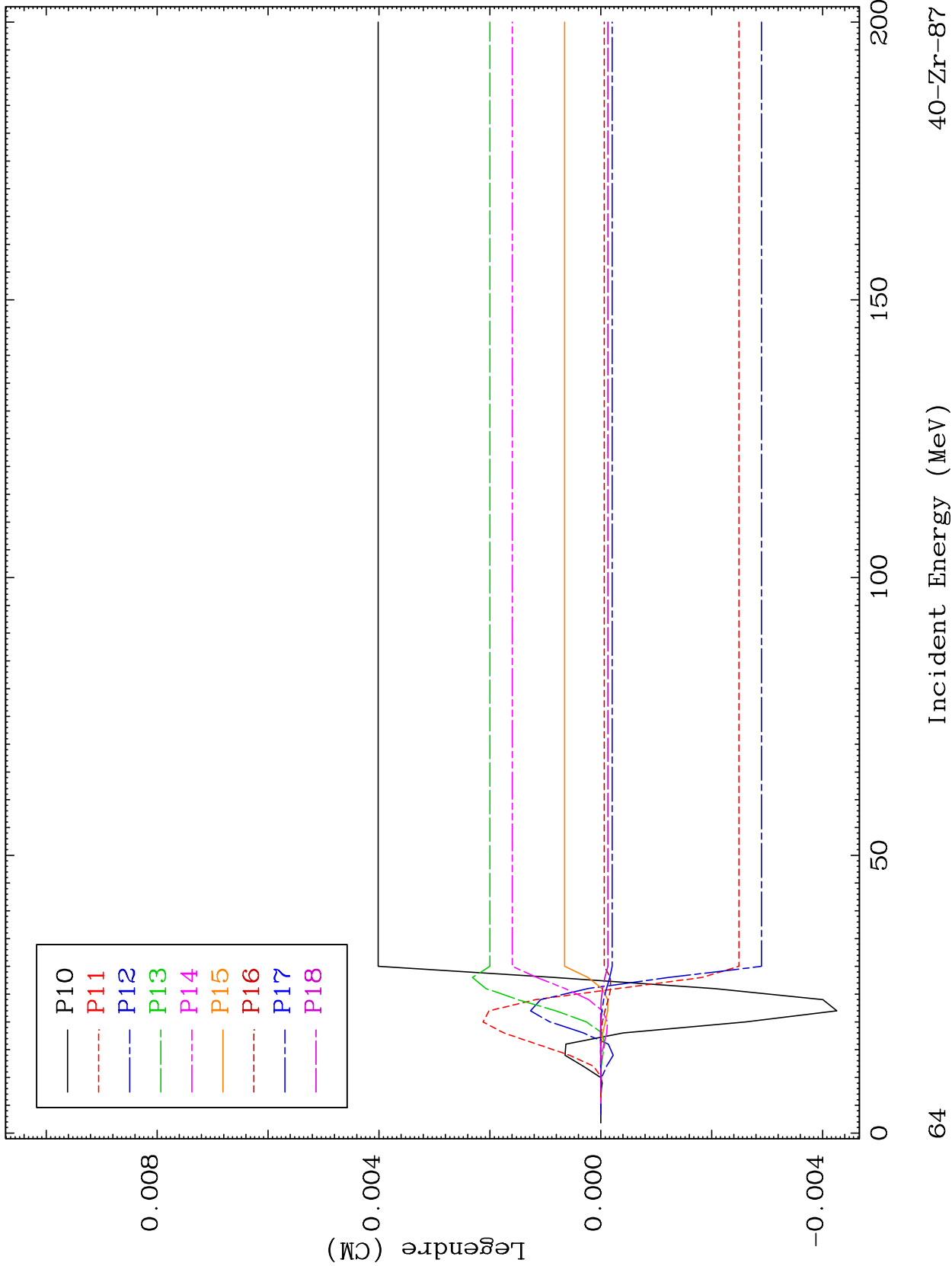




MAT 4016

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

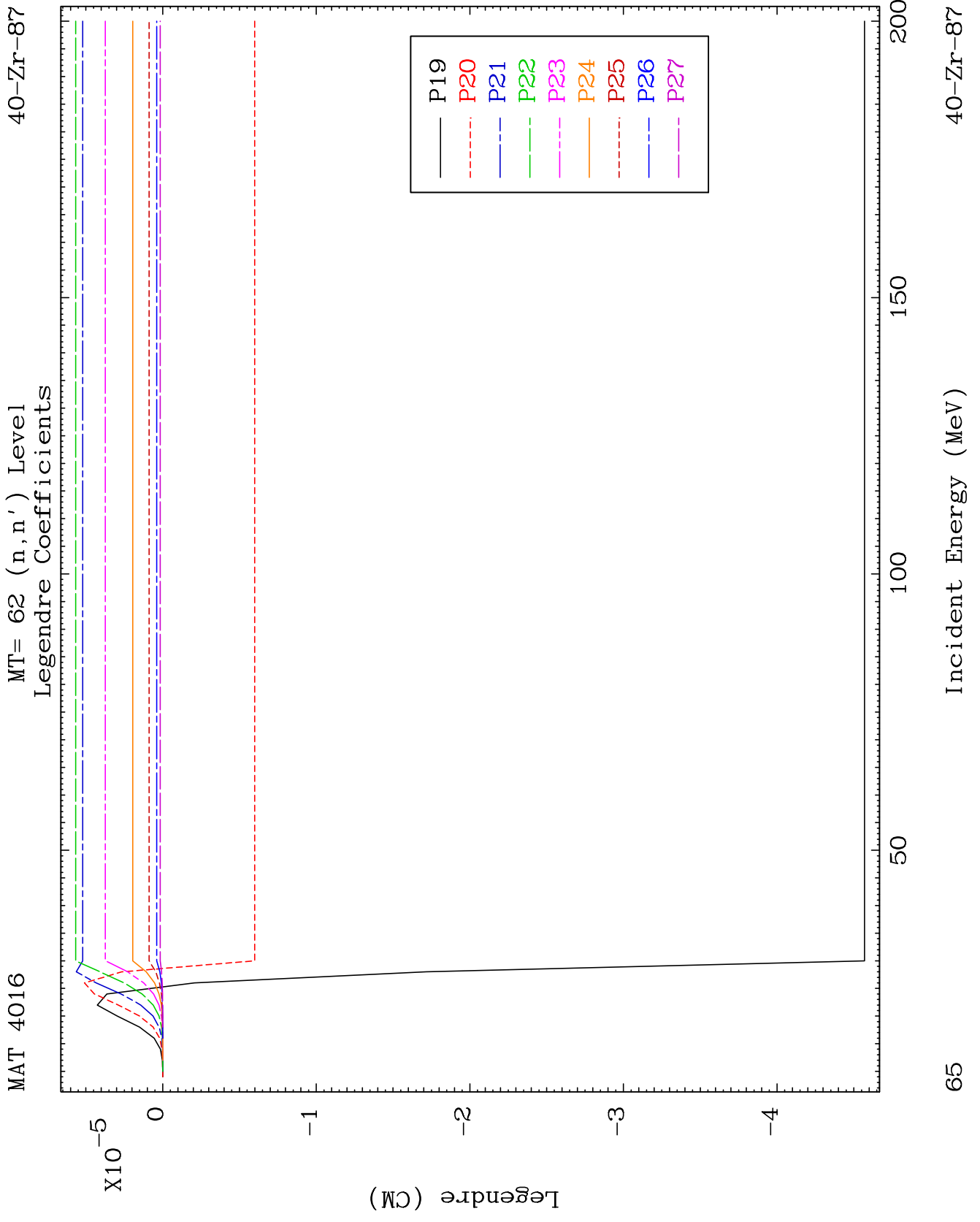
40-Zr-87



64

Incident Energy (MeV)

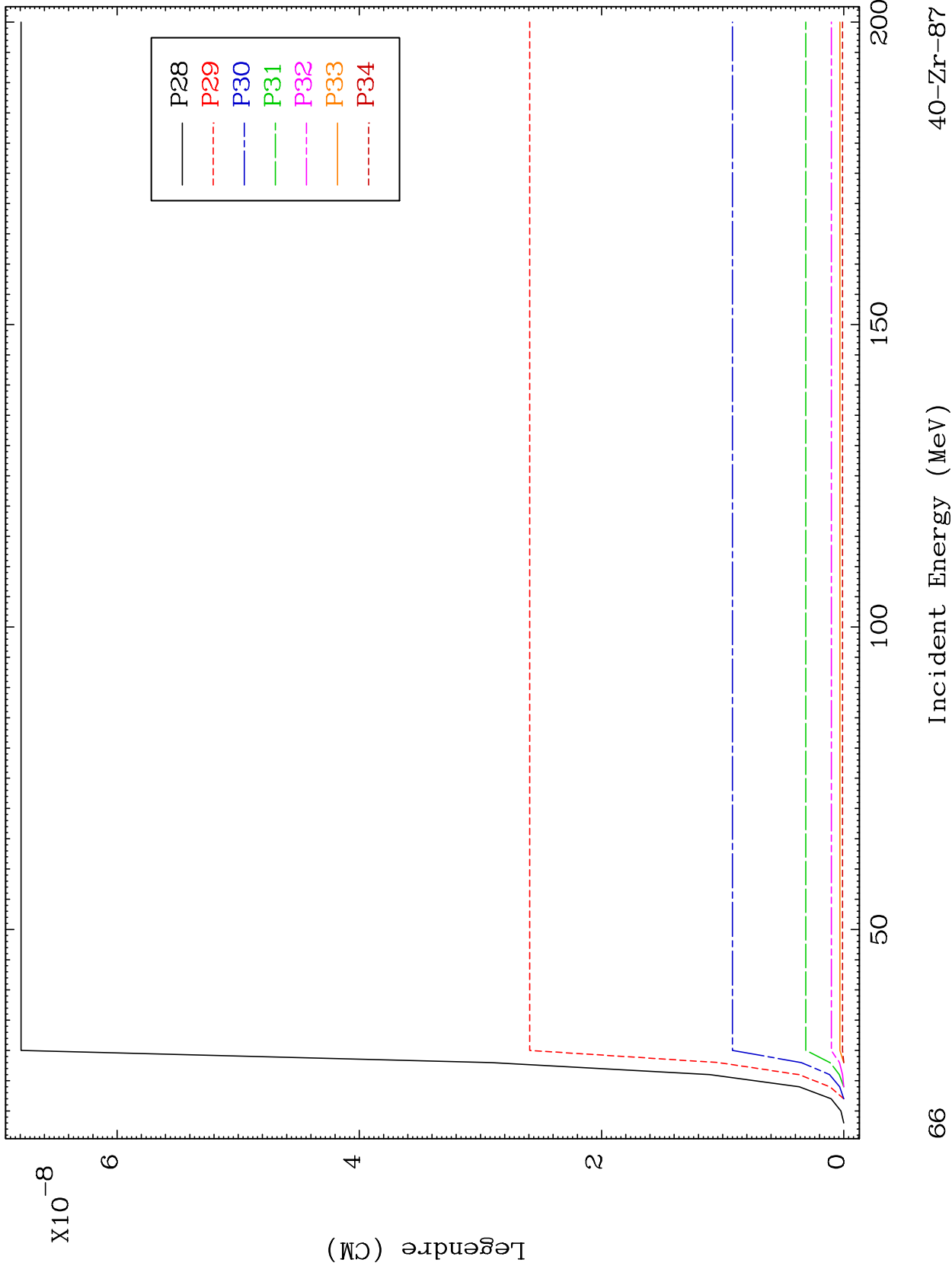
40-Zr-87



MAT 4016

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

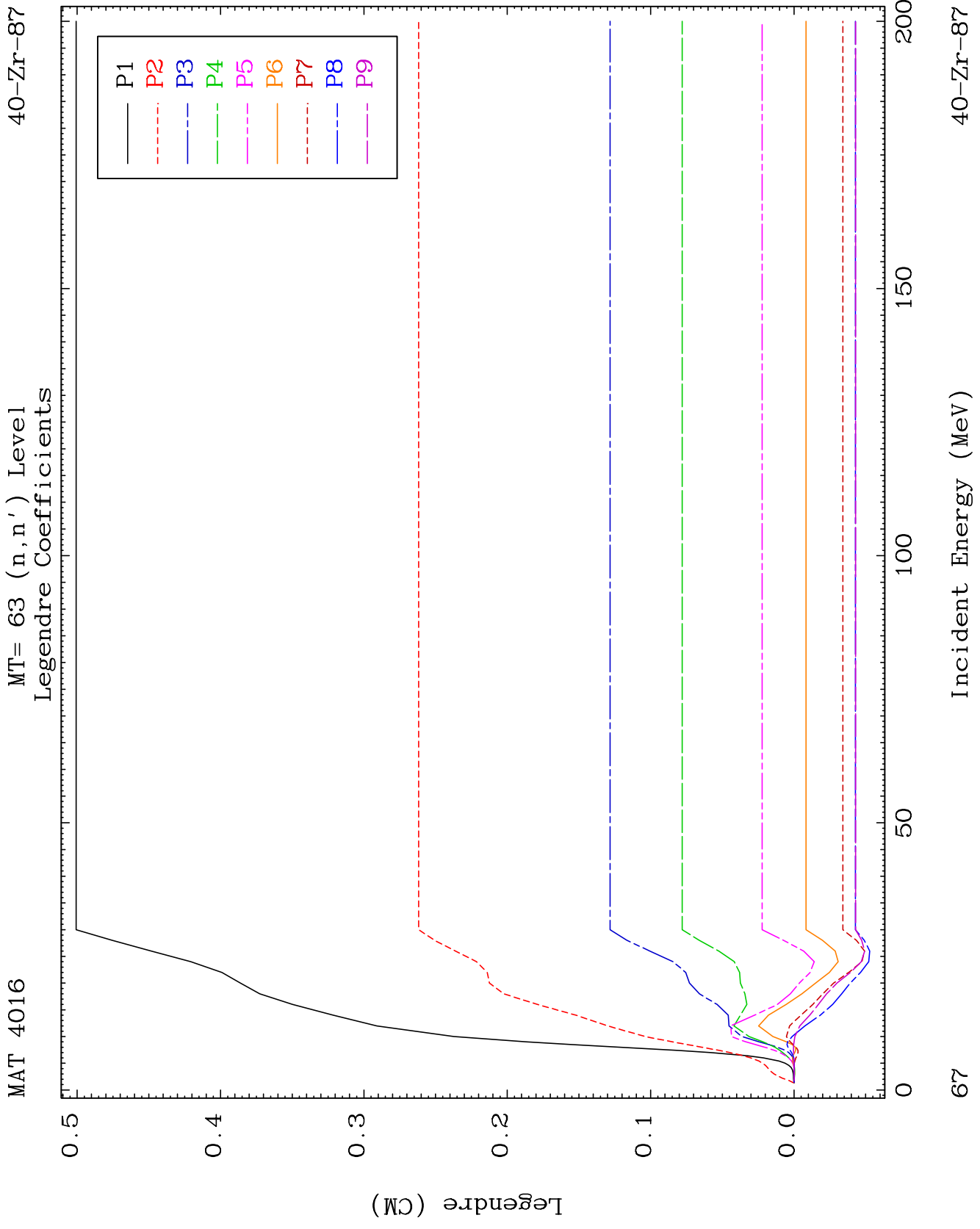
40-Zr-87

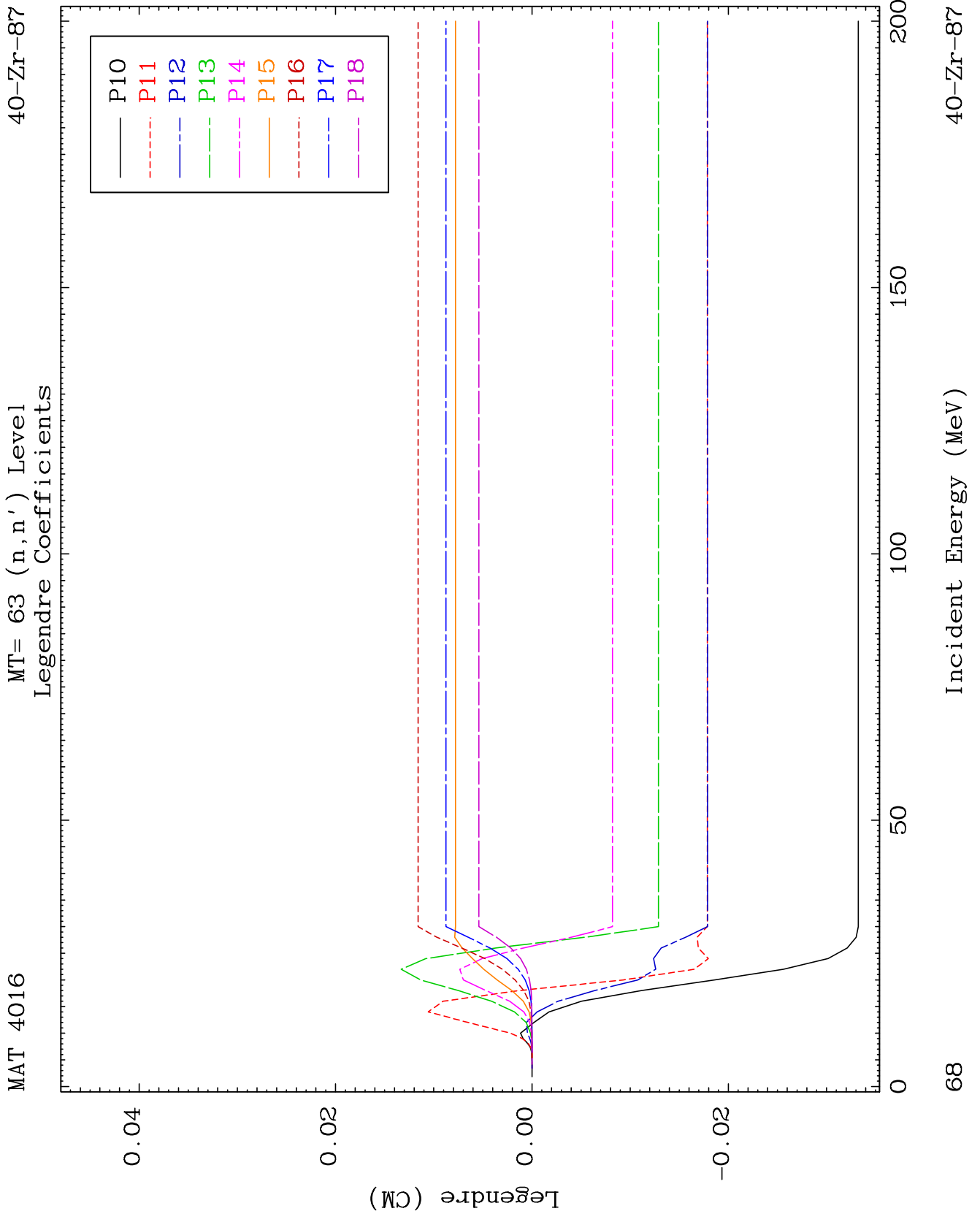


66

Incident Energy (MeV)

40-Zr-87

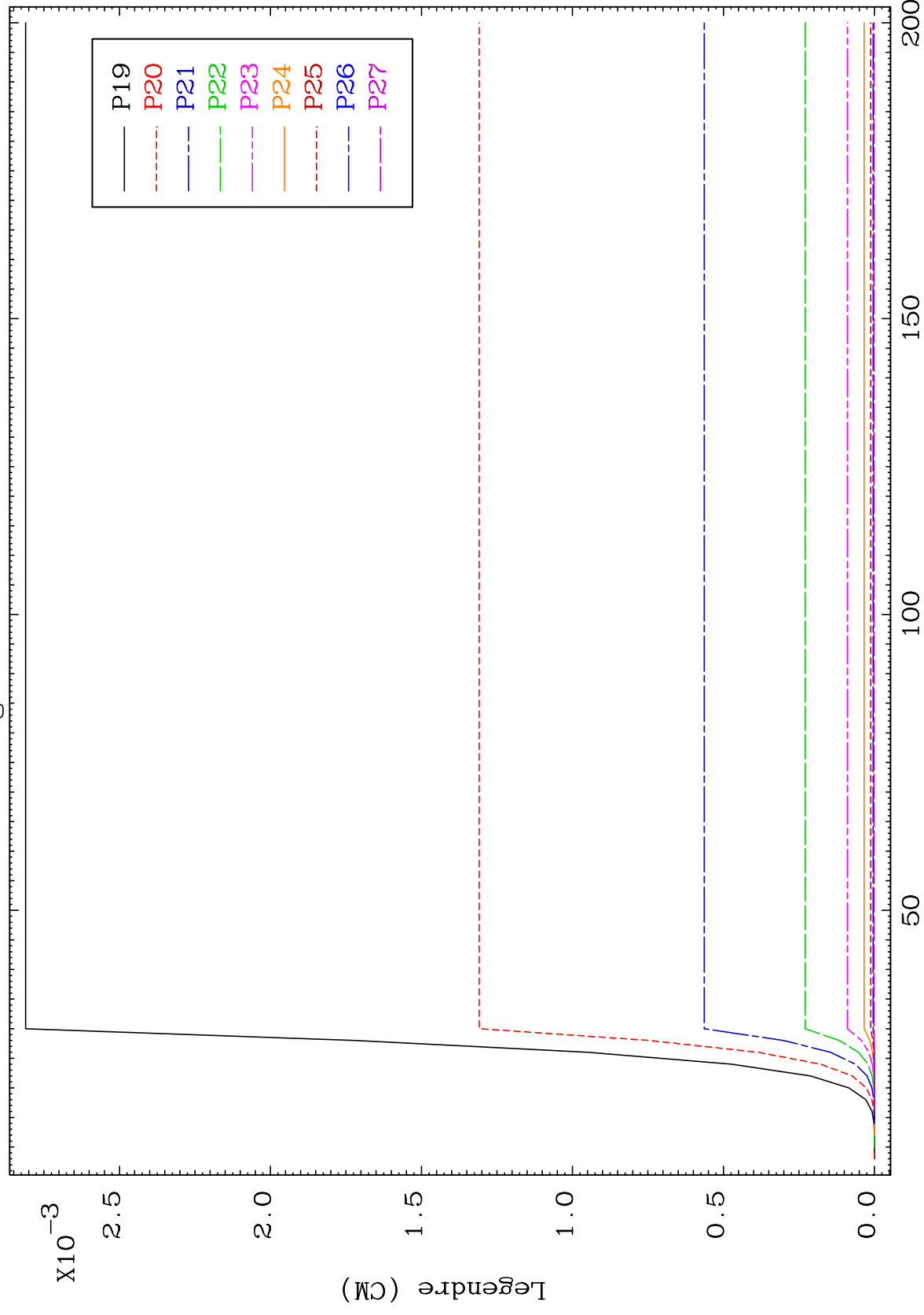




MAT 4016

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

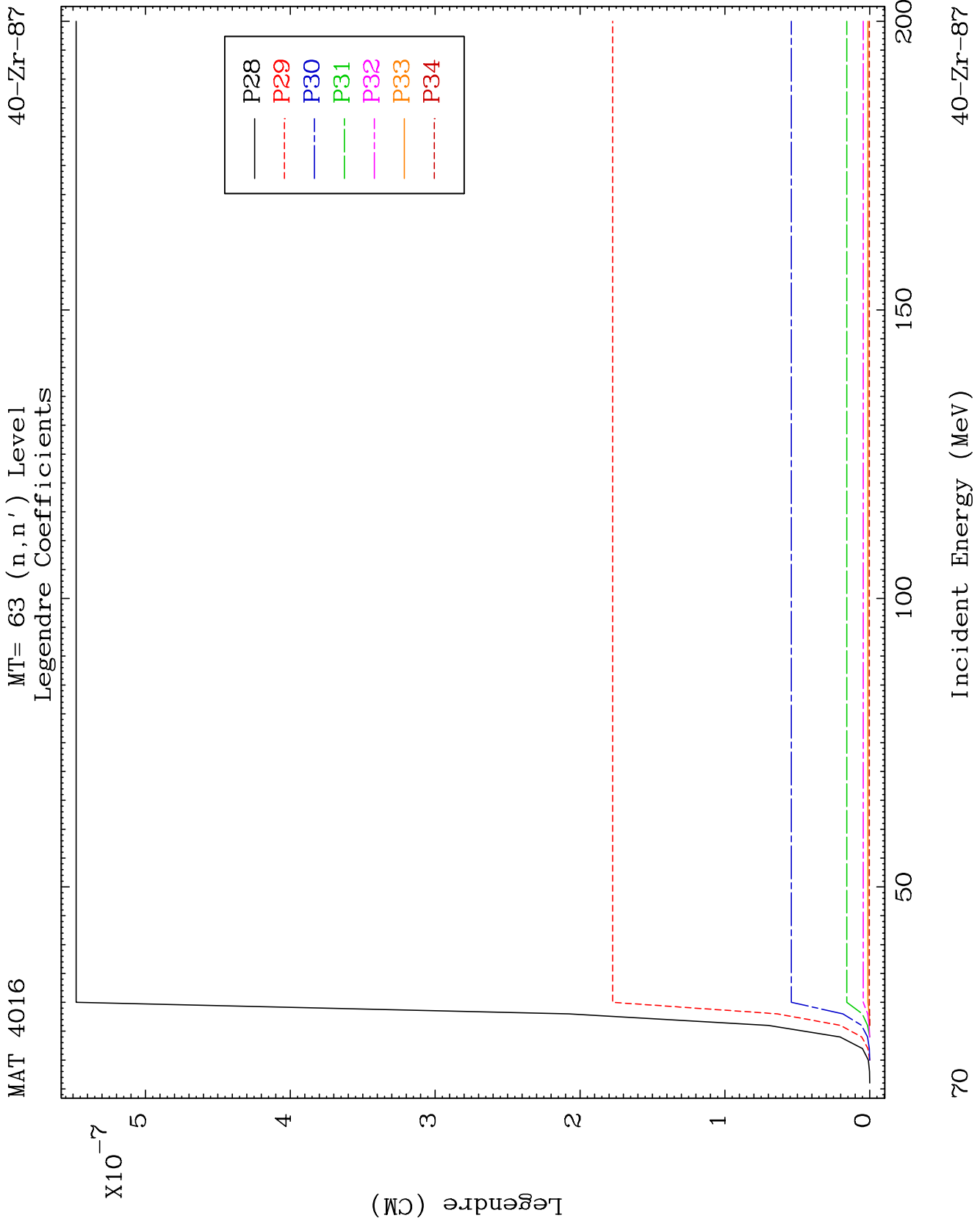
40-Zr-87

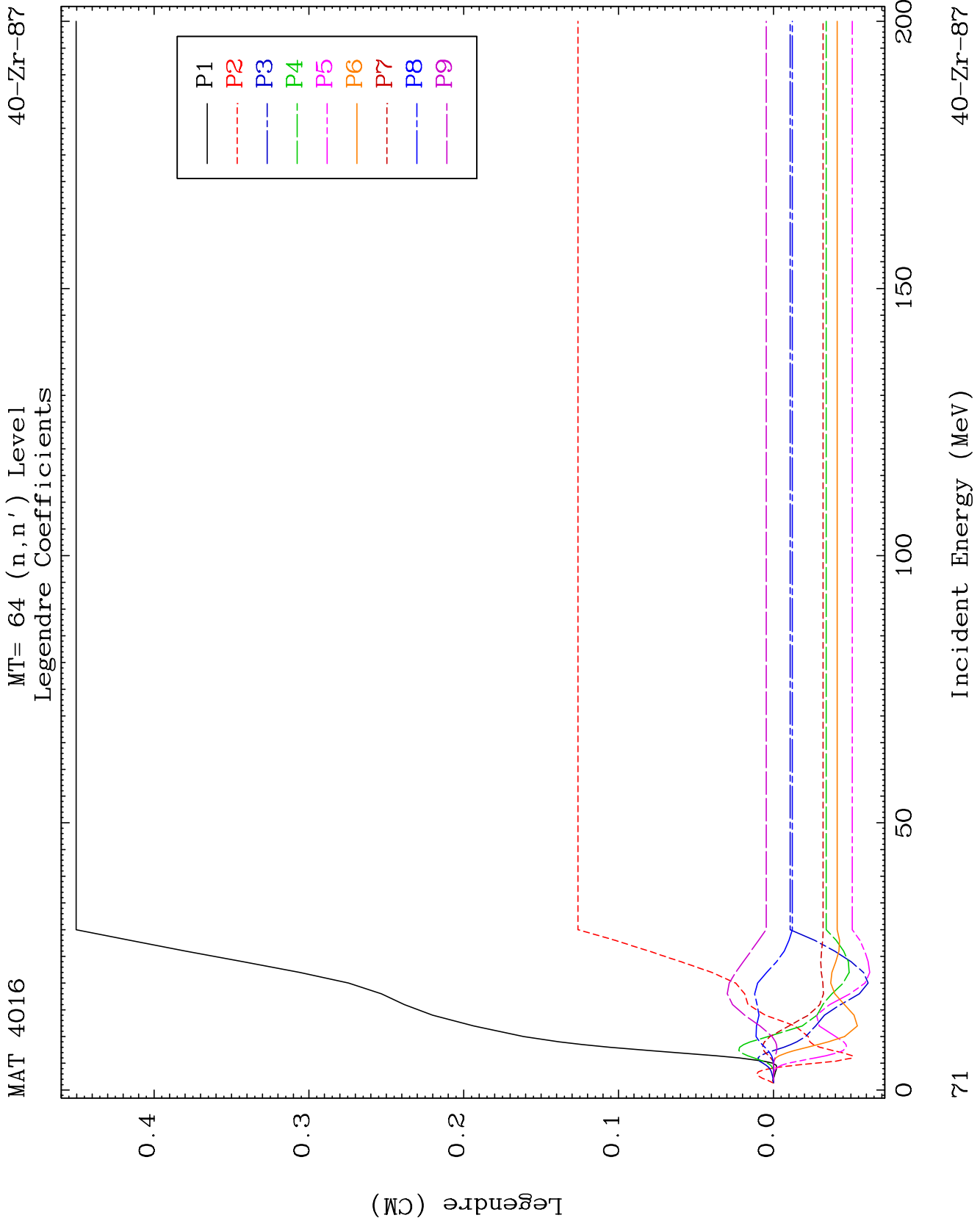


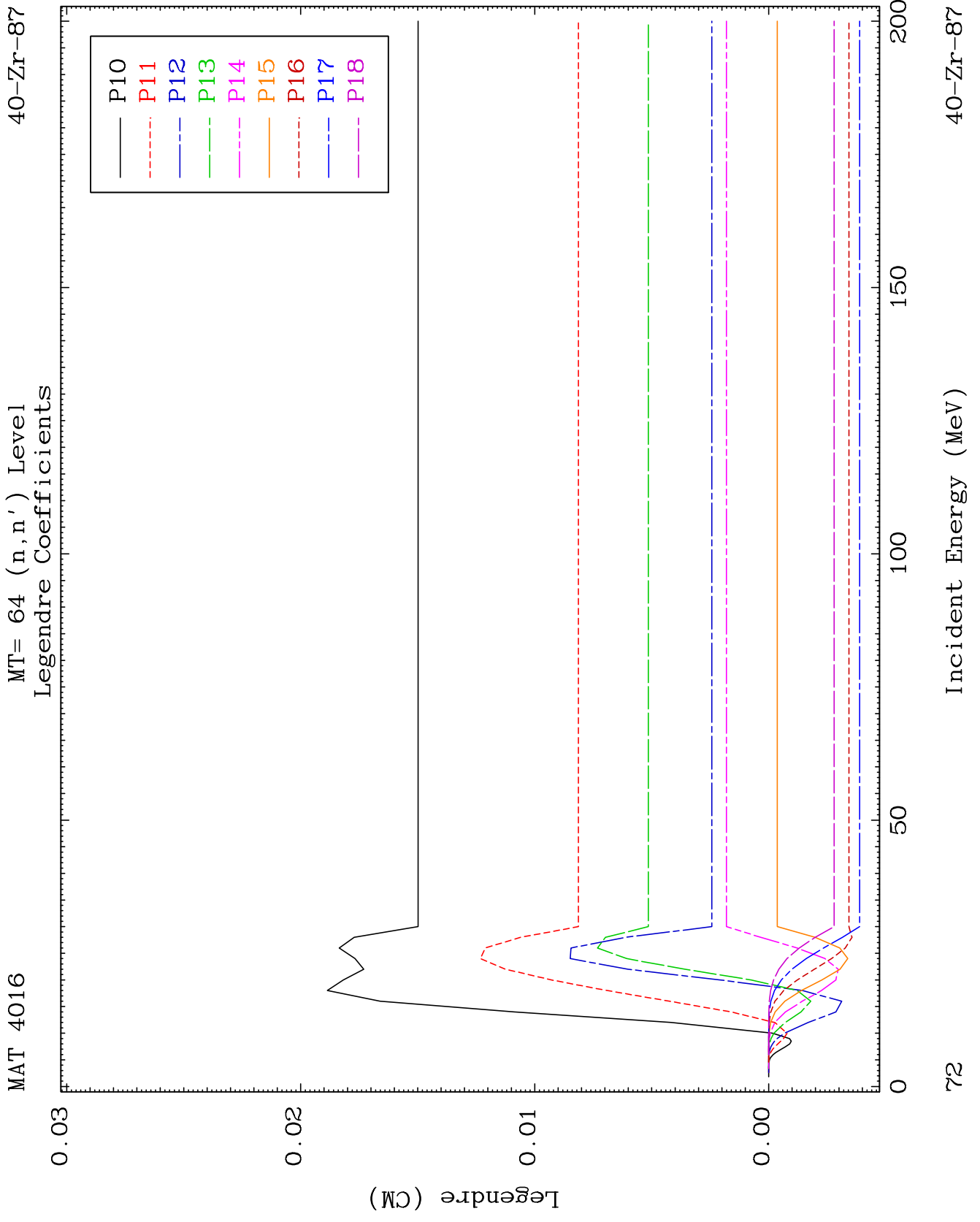
69

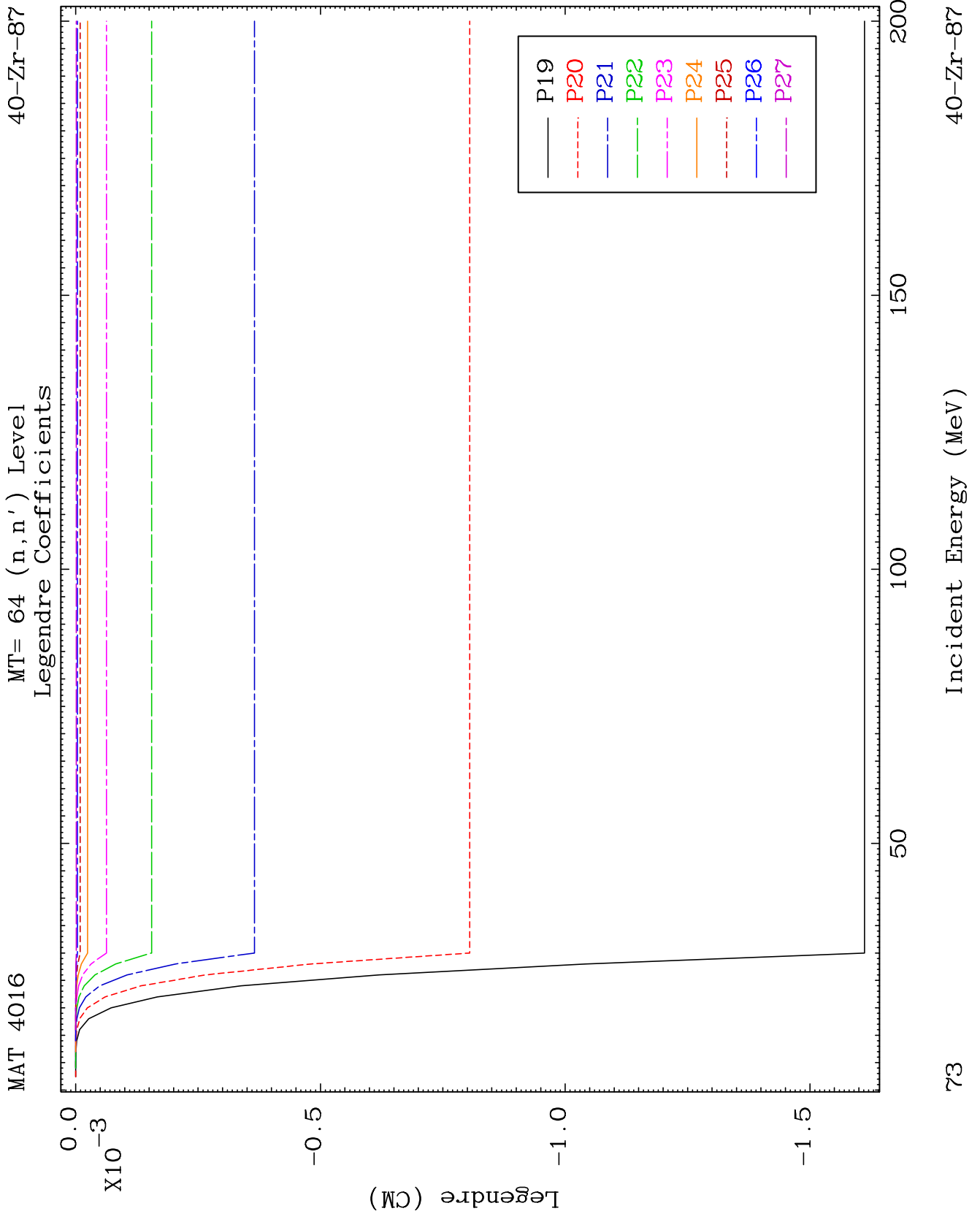
Incident Energy (MeV)

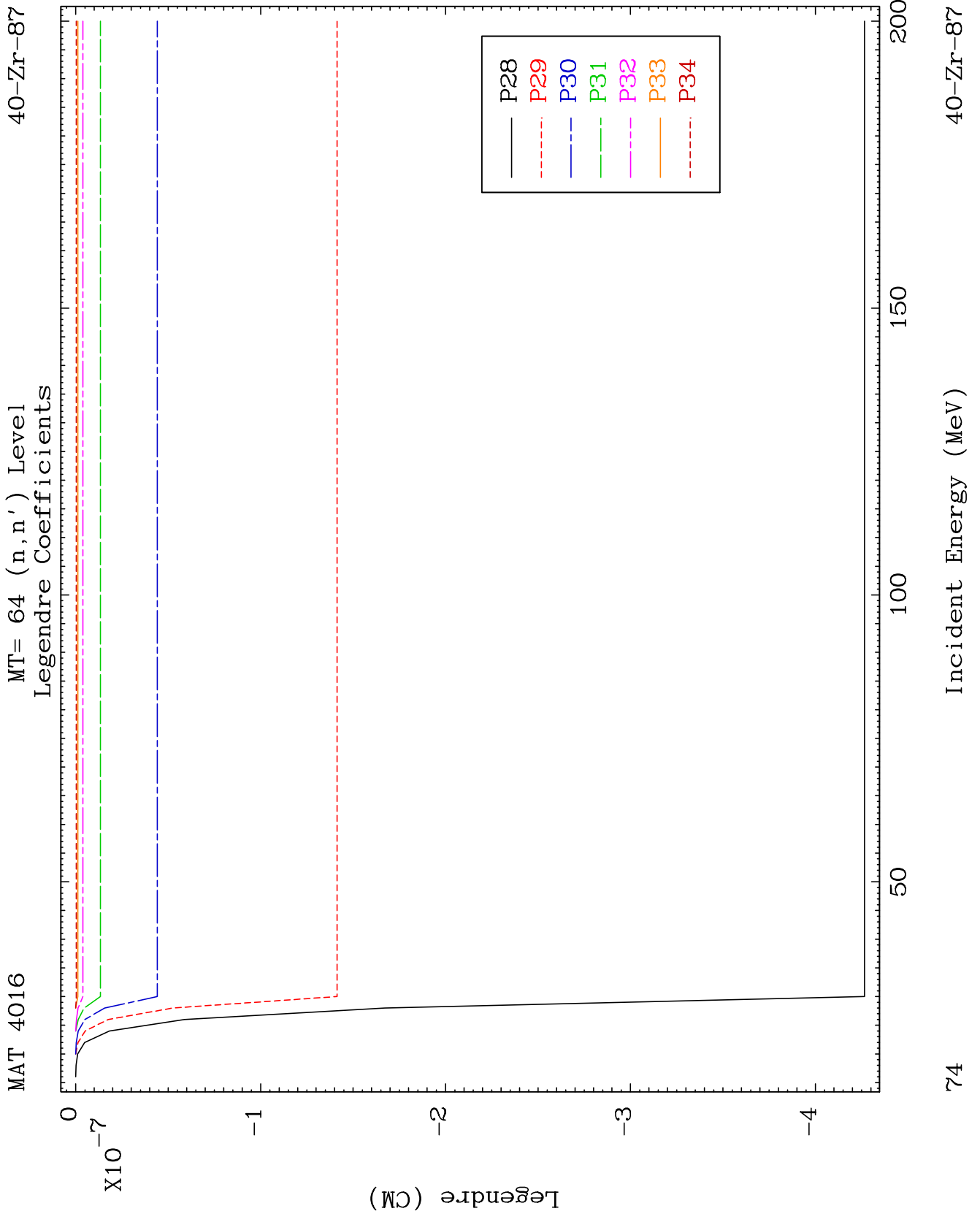
40-Zr-87

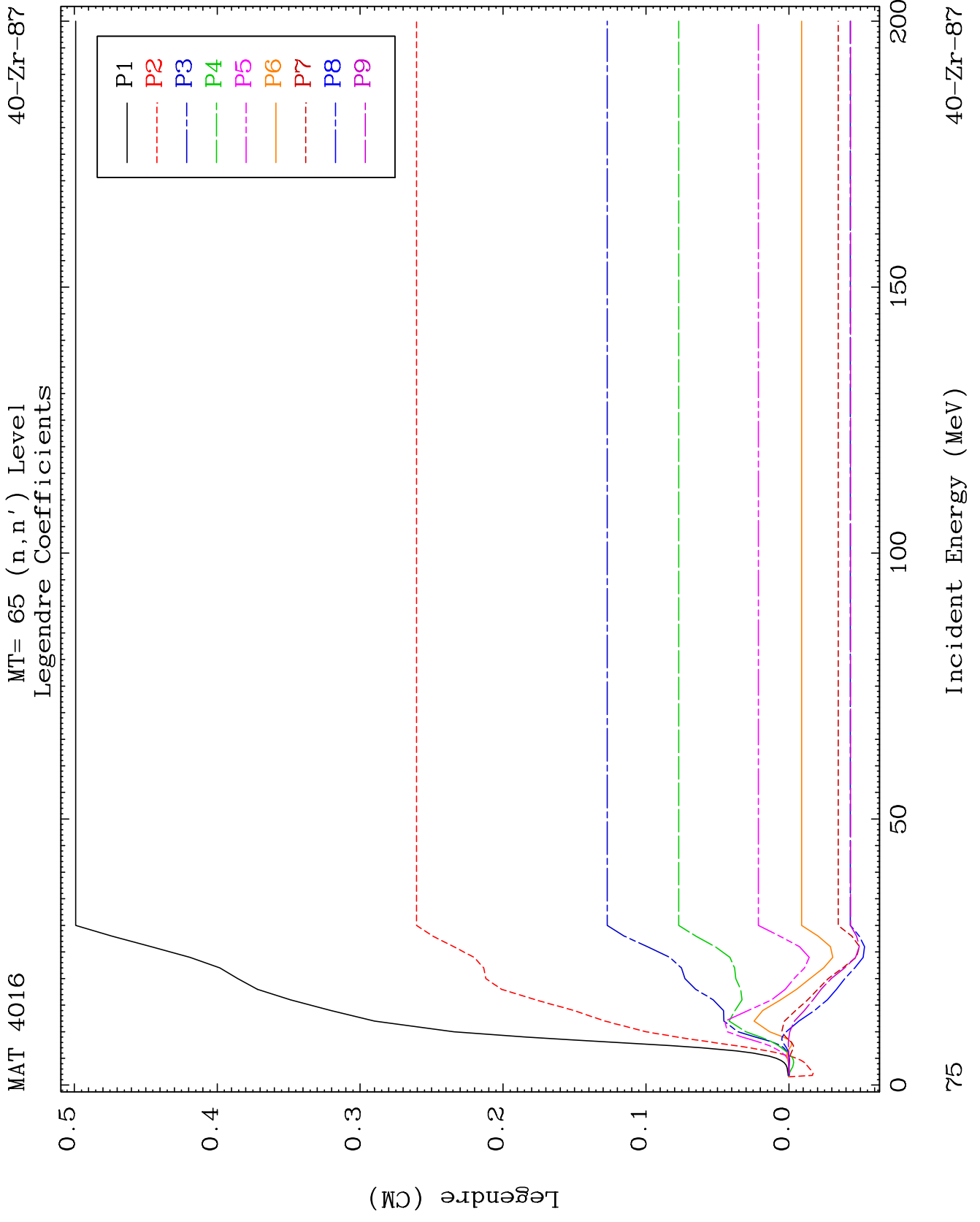


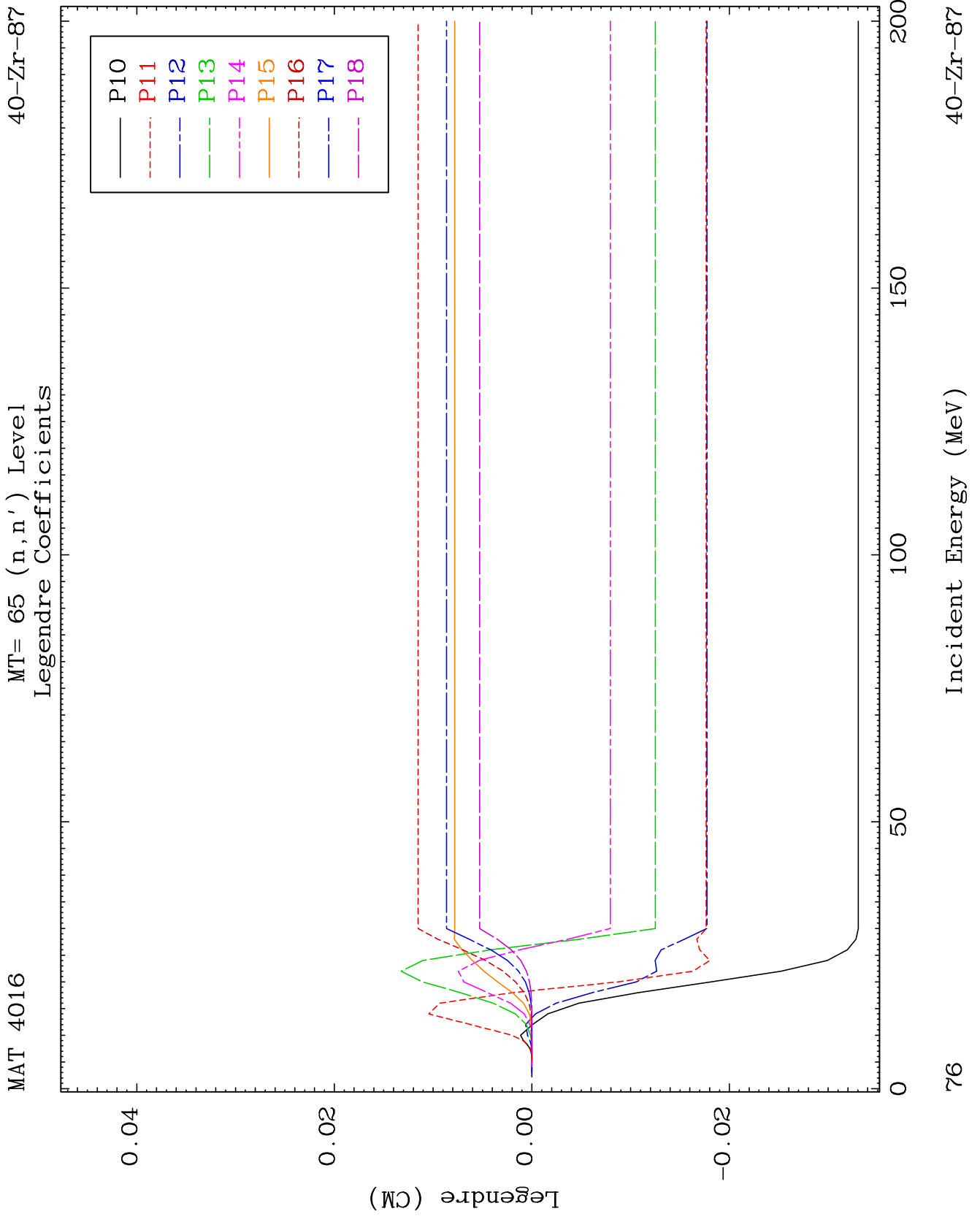


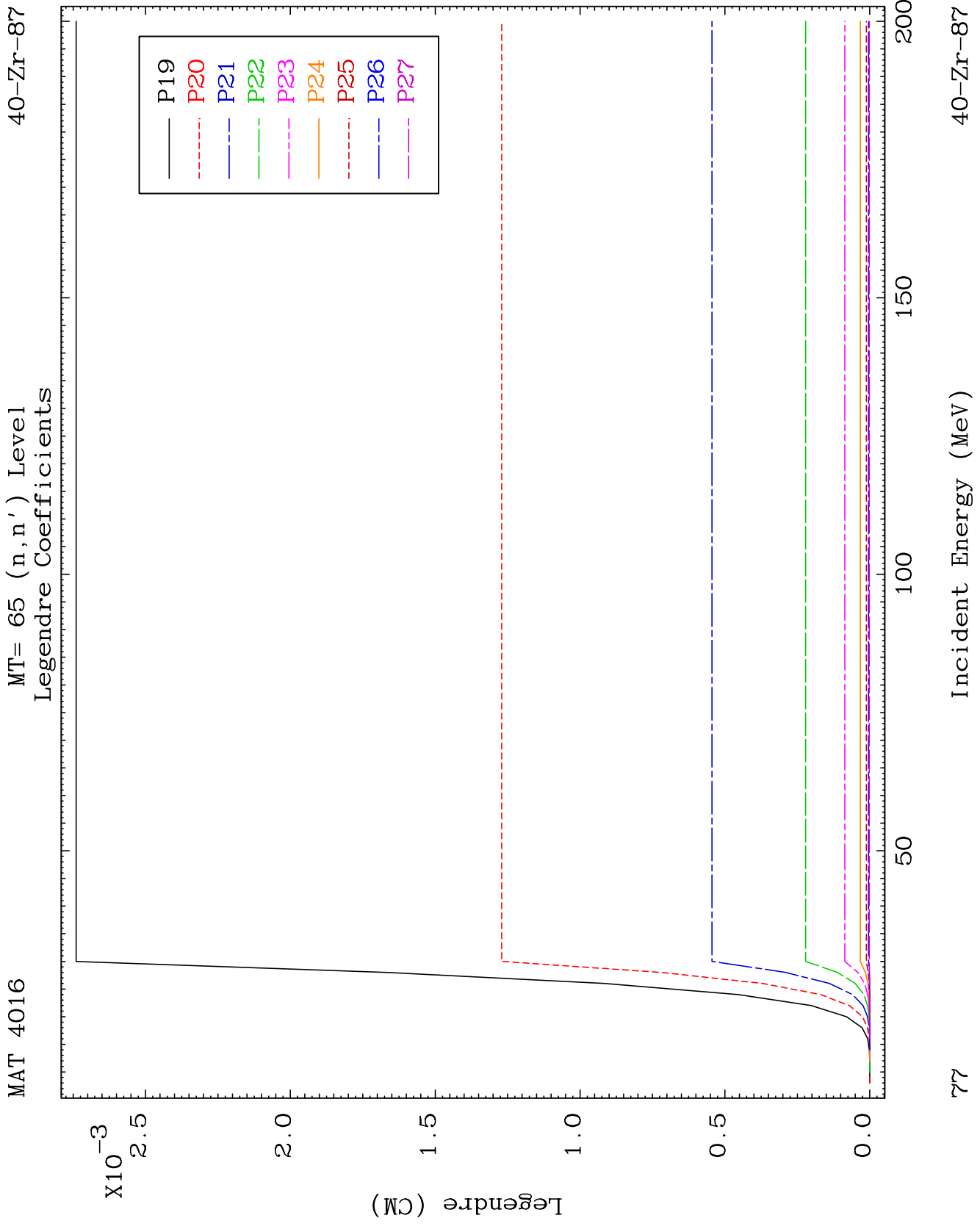


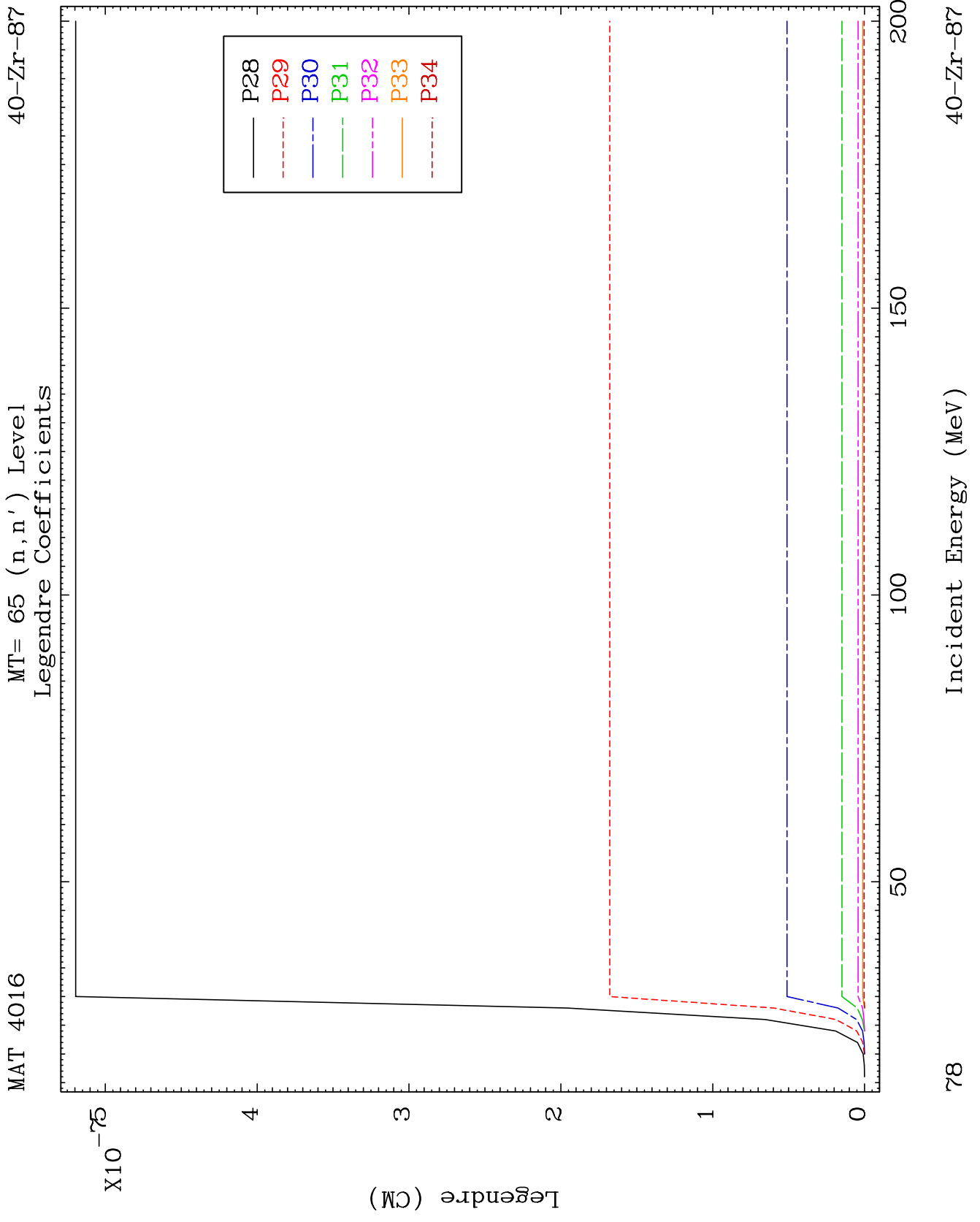


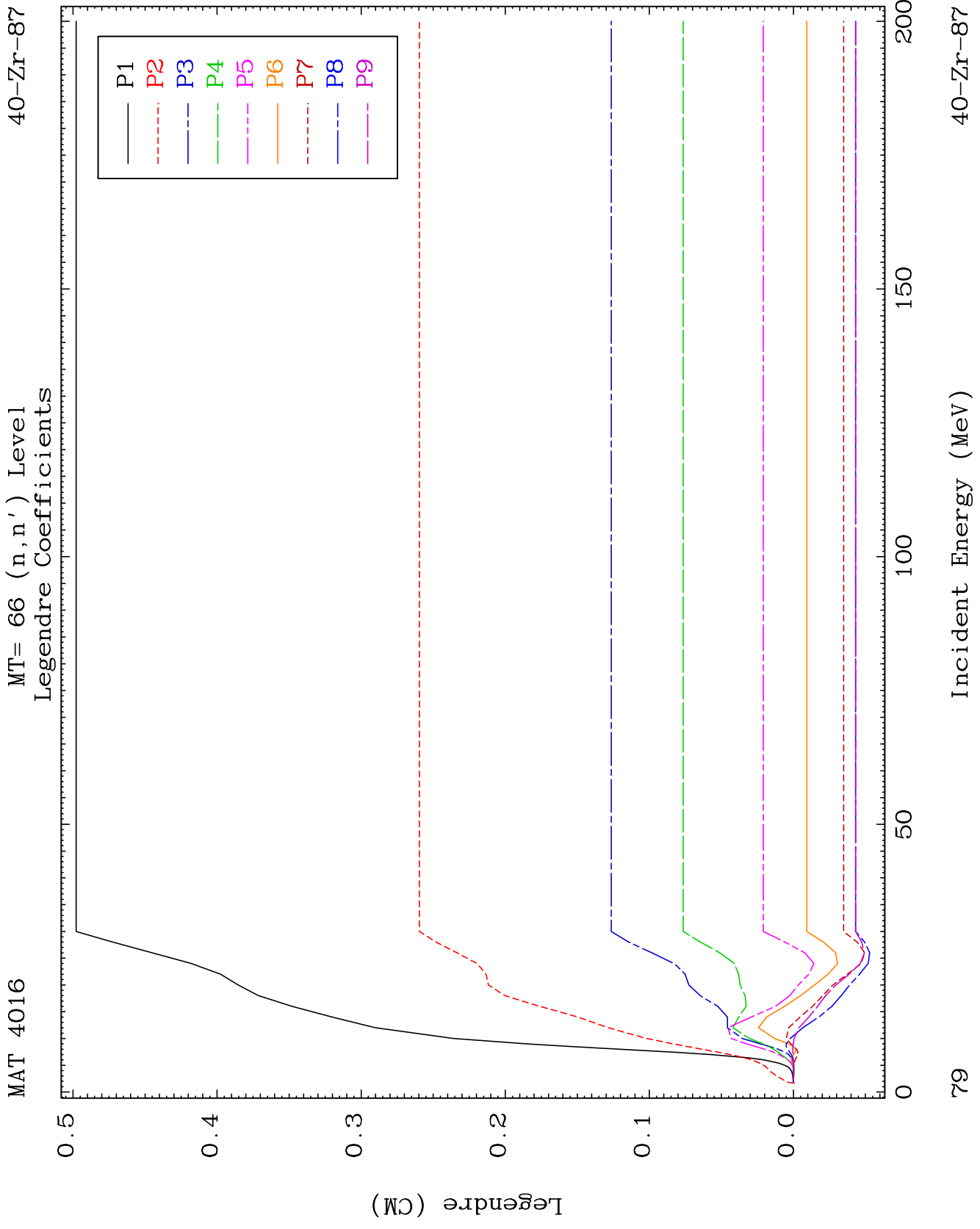


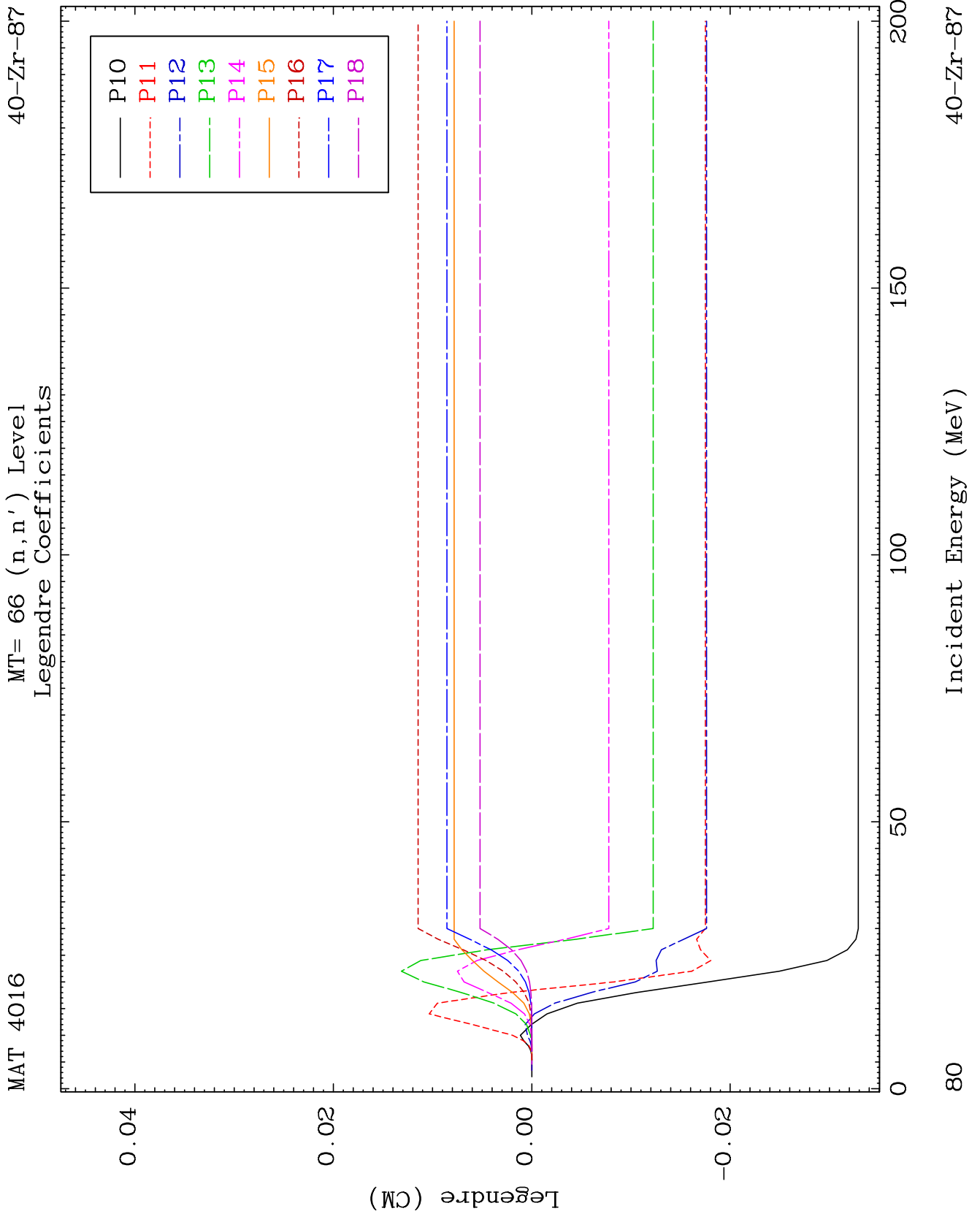


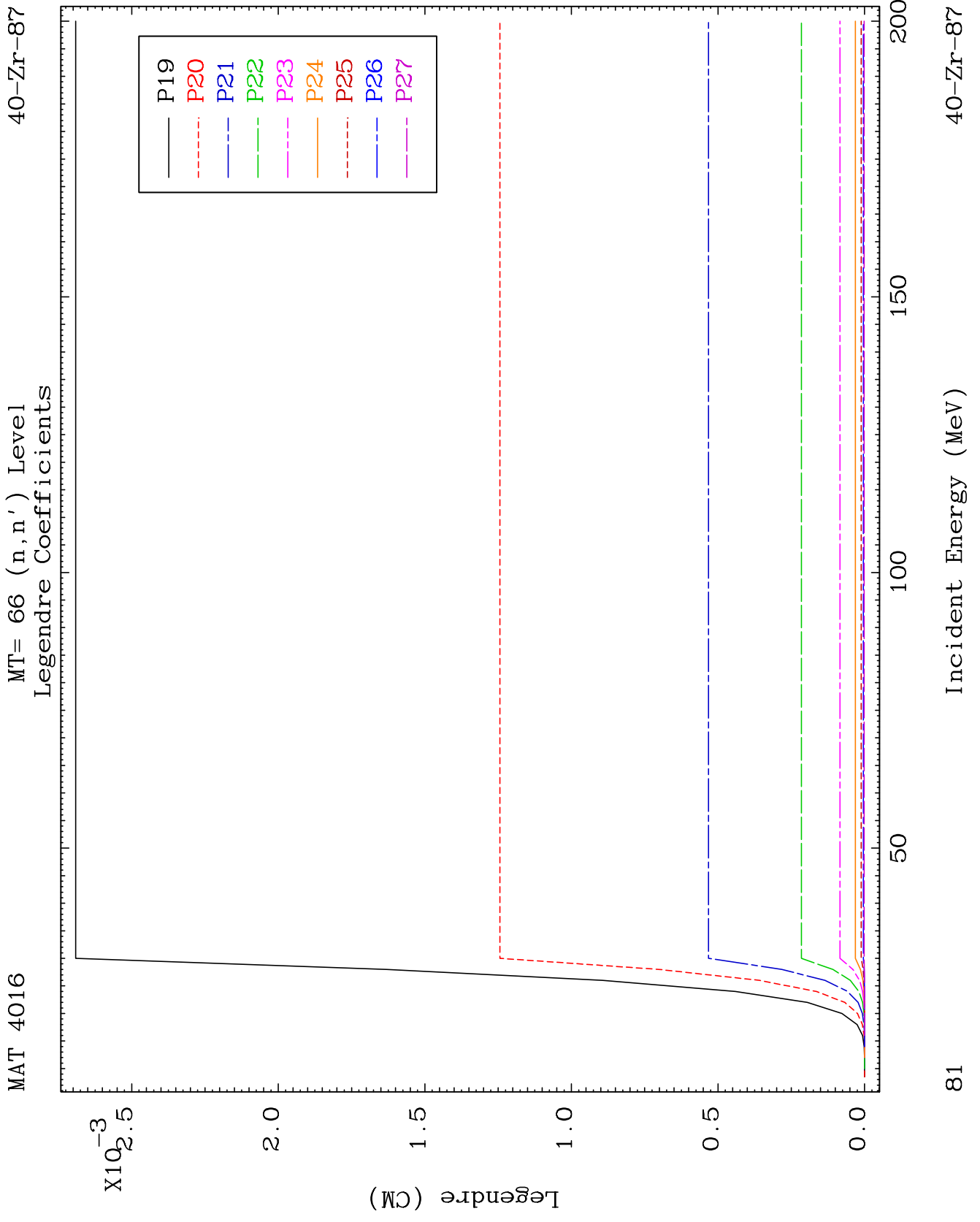


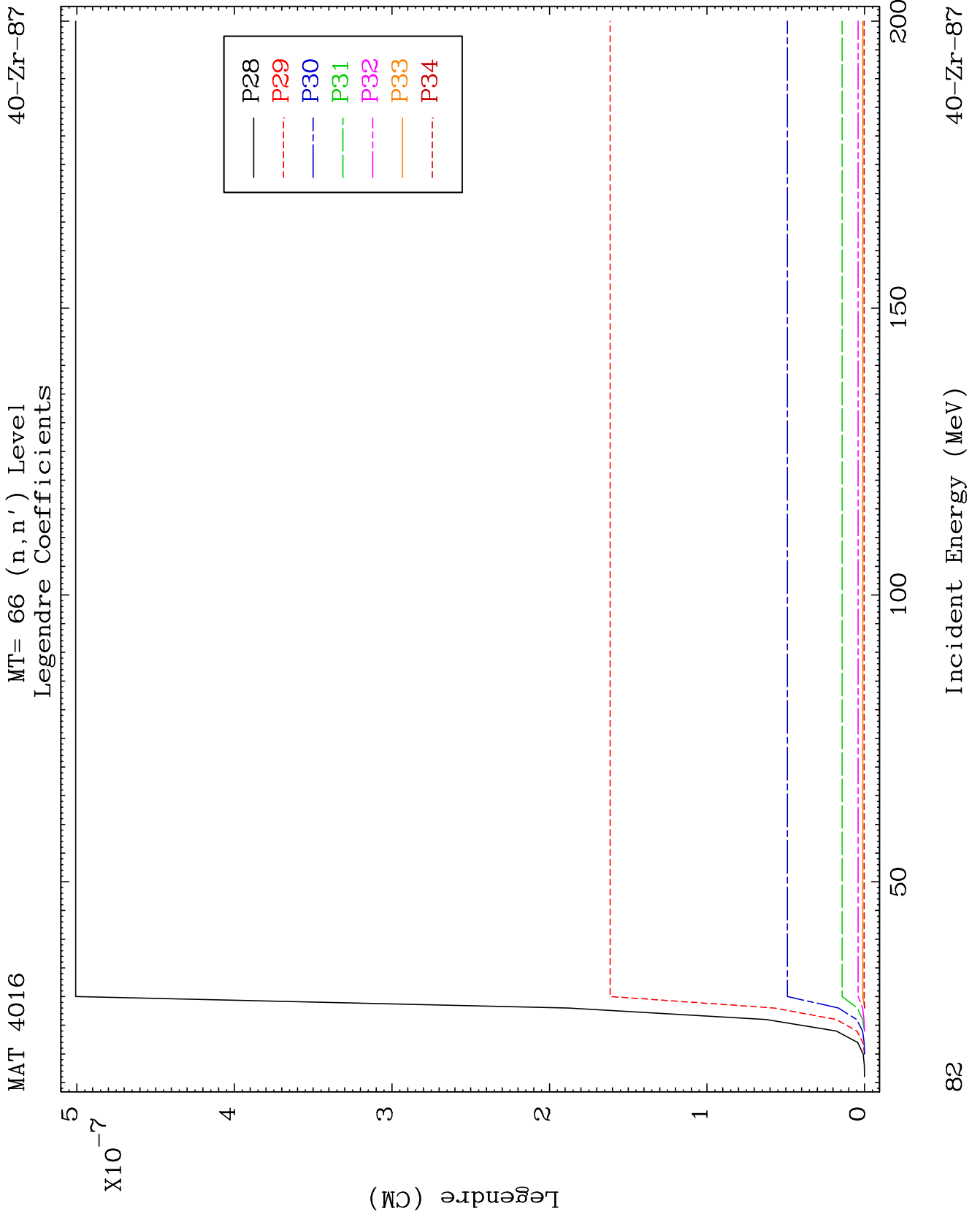


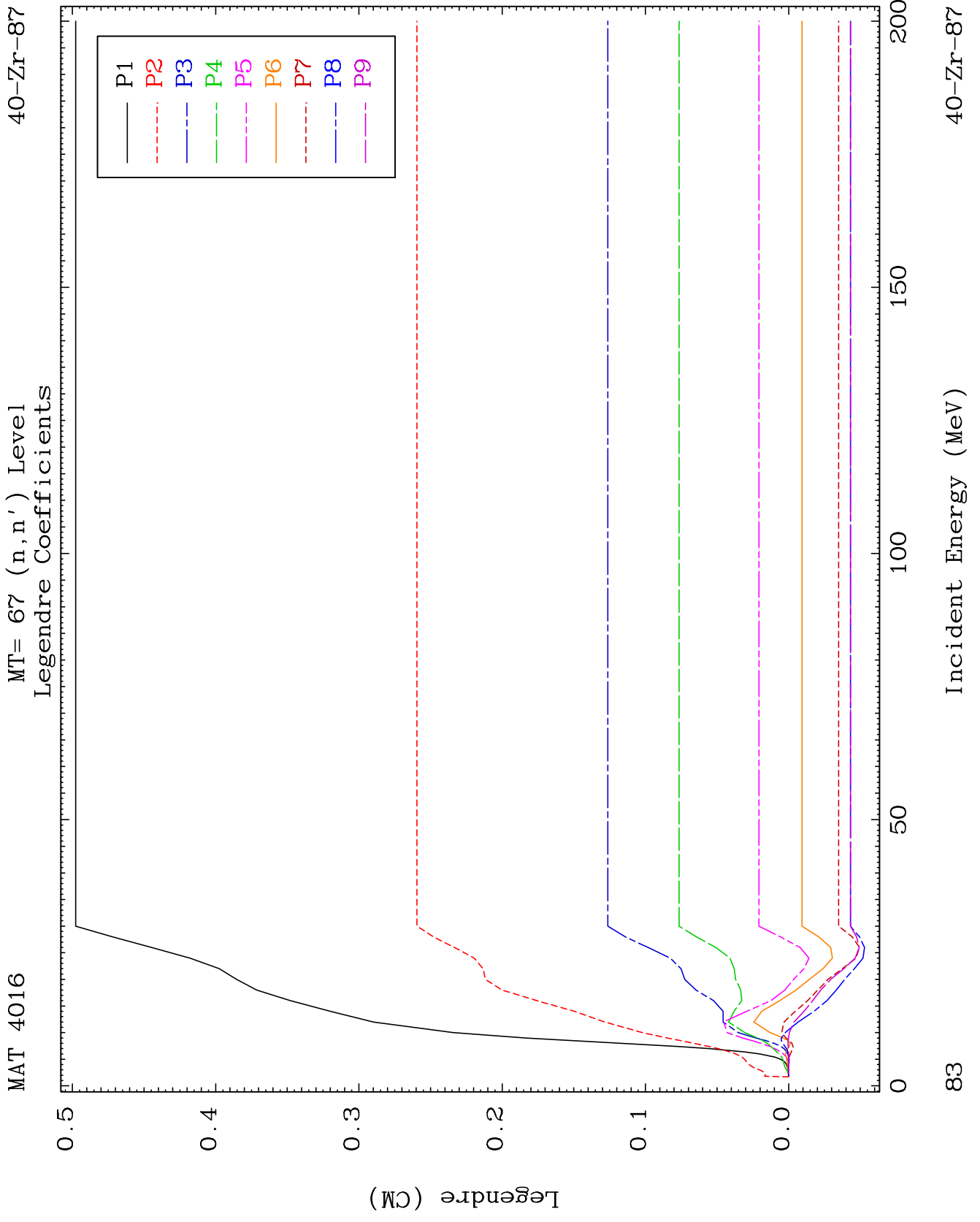


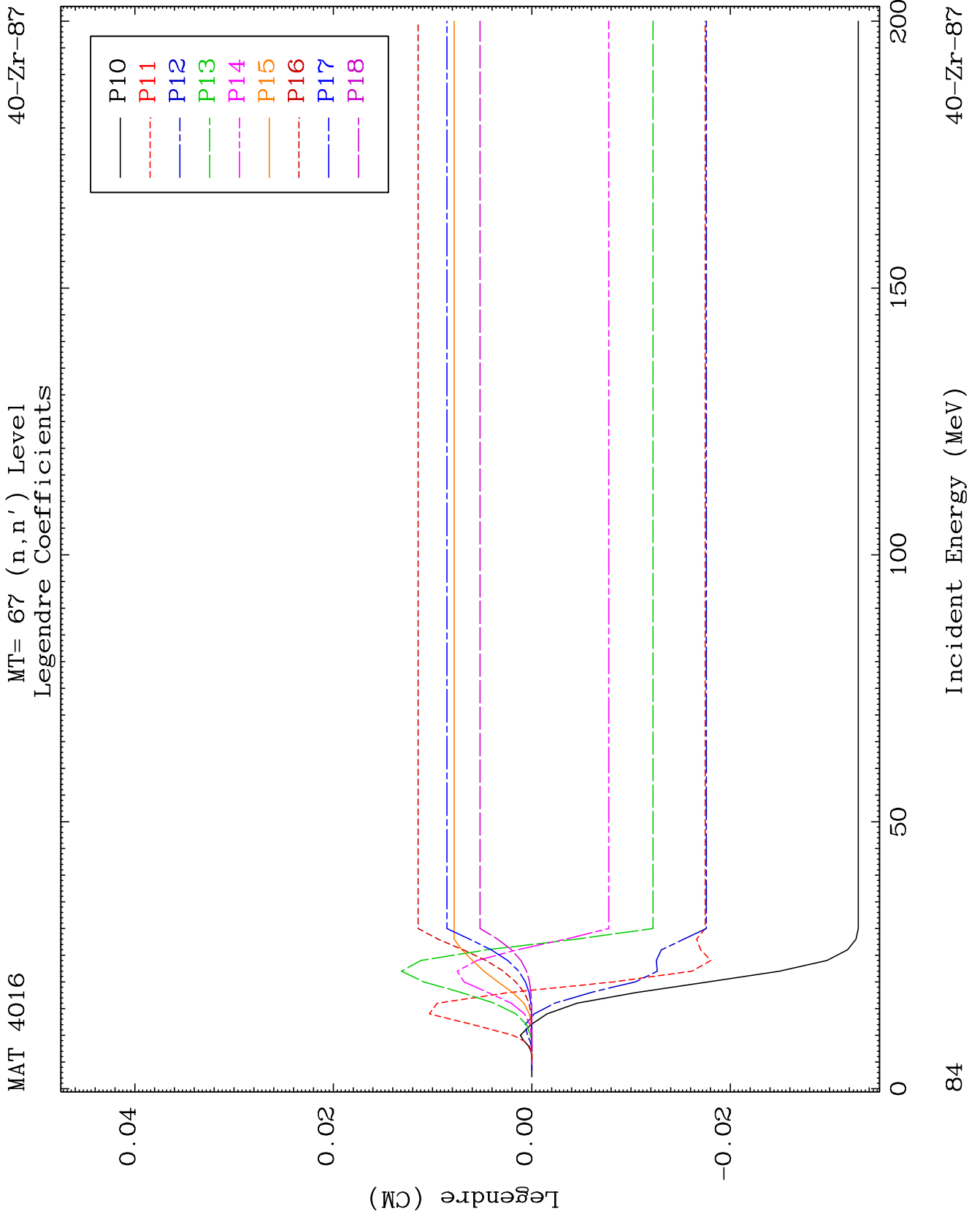


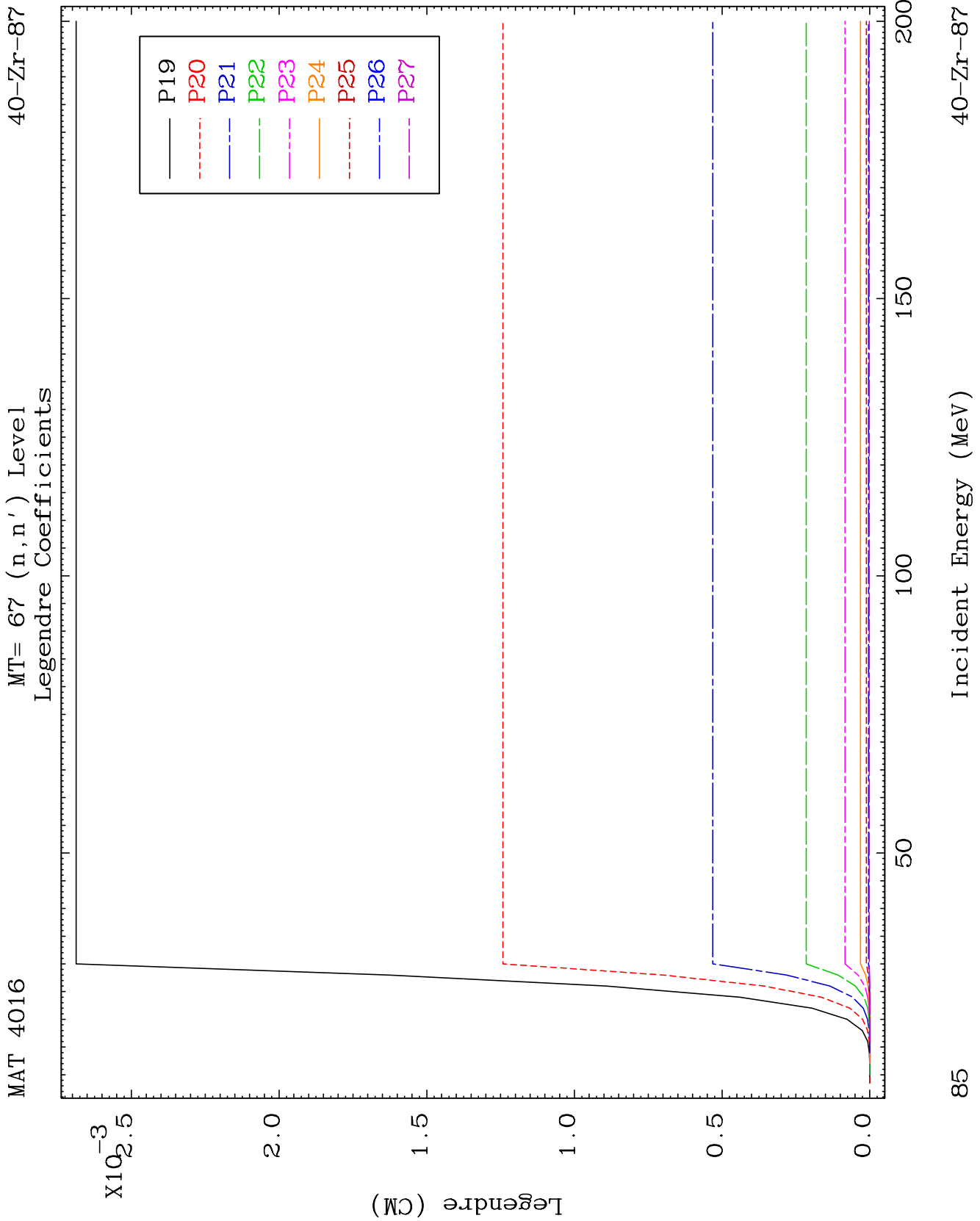


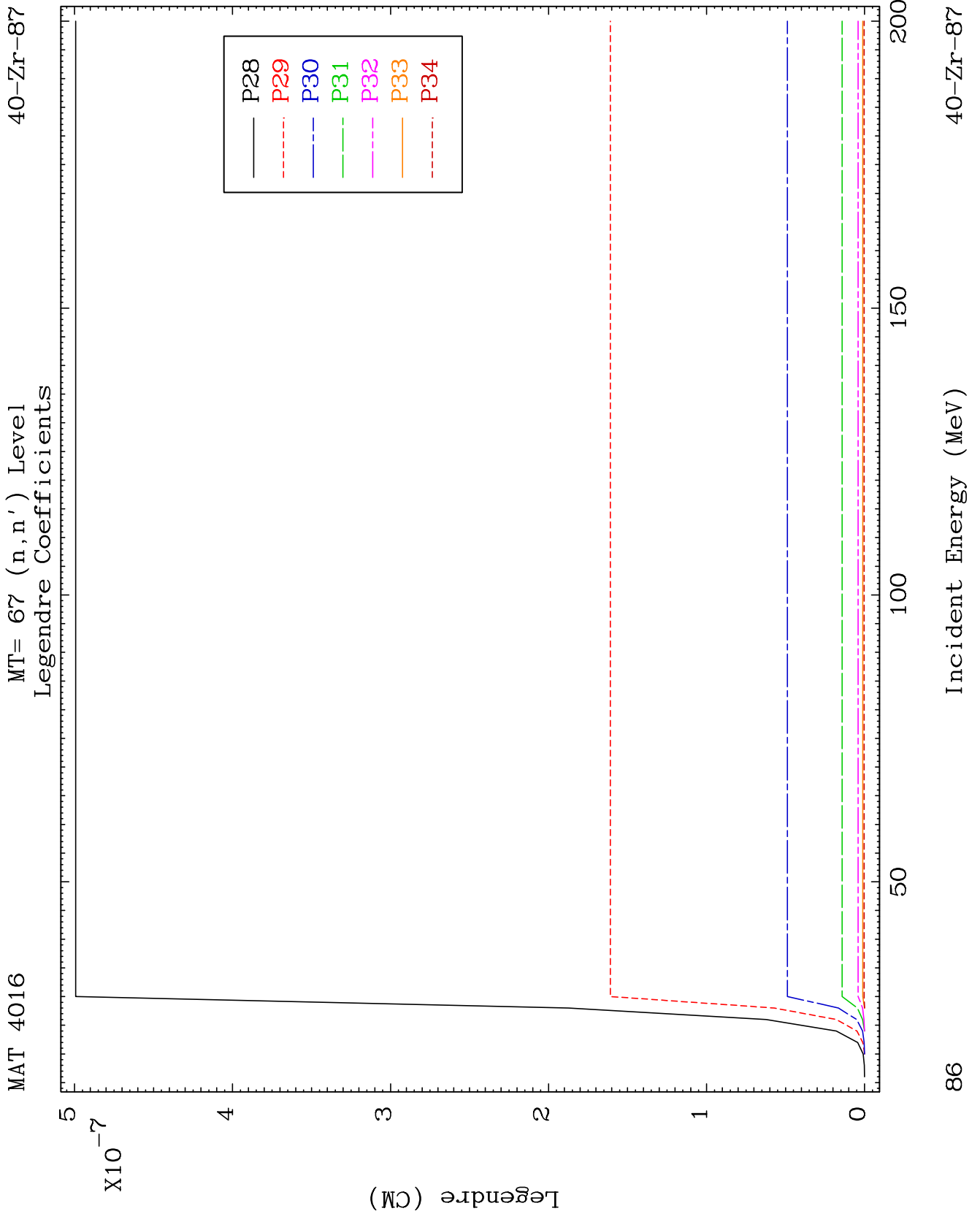


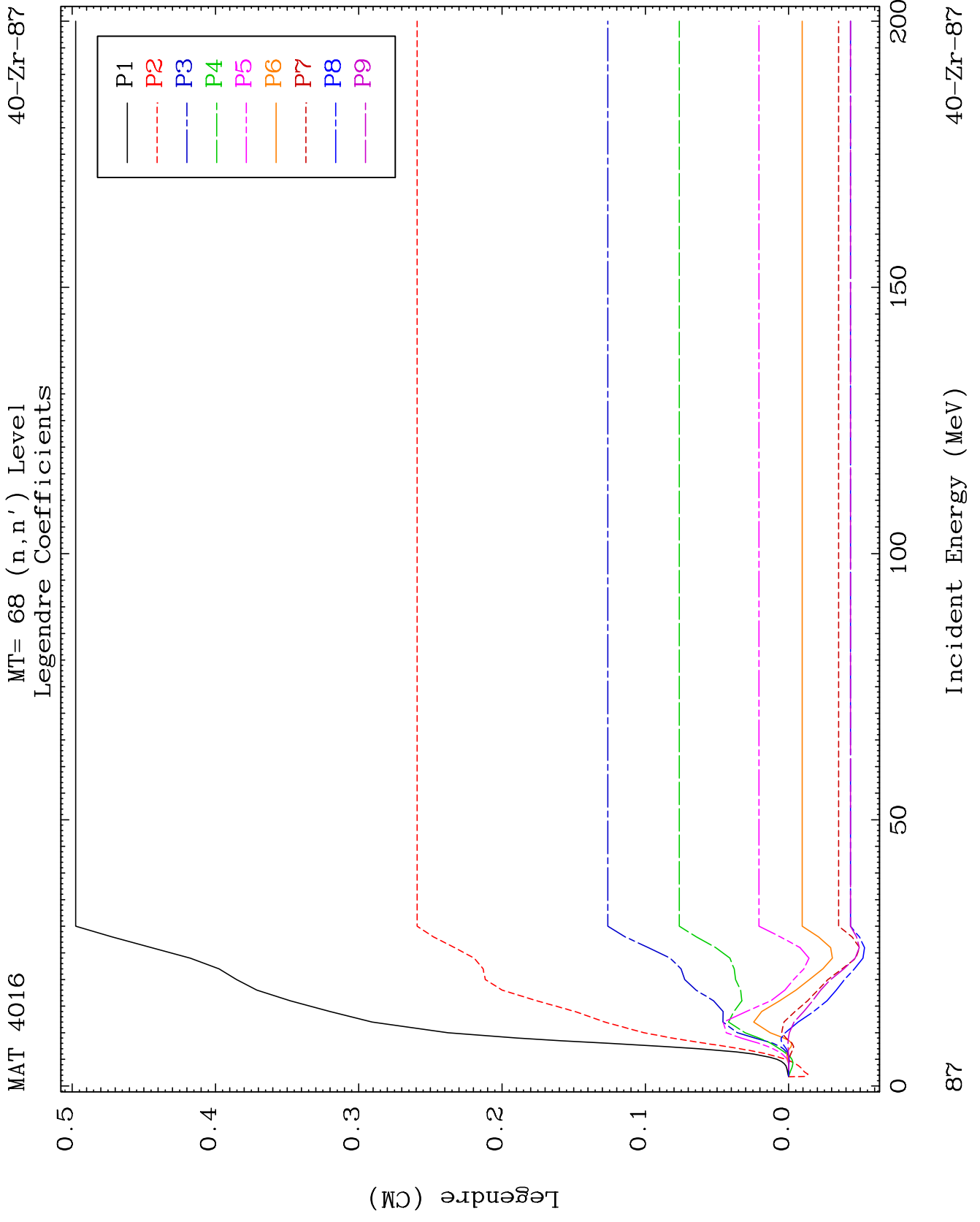


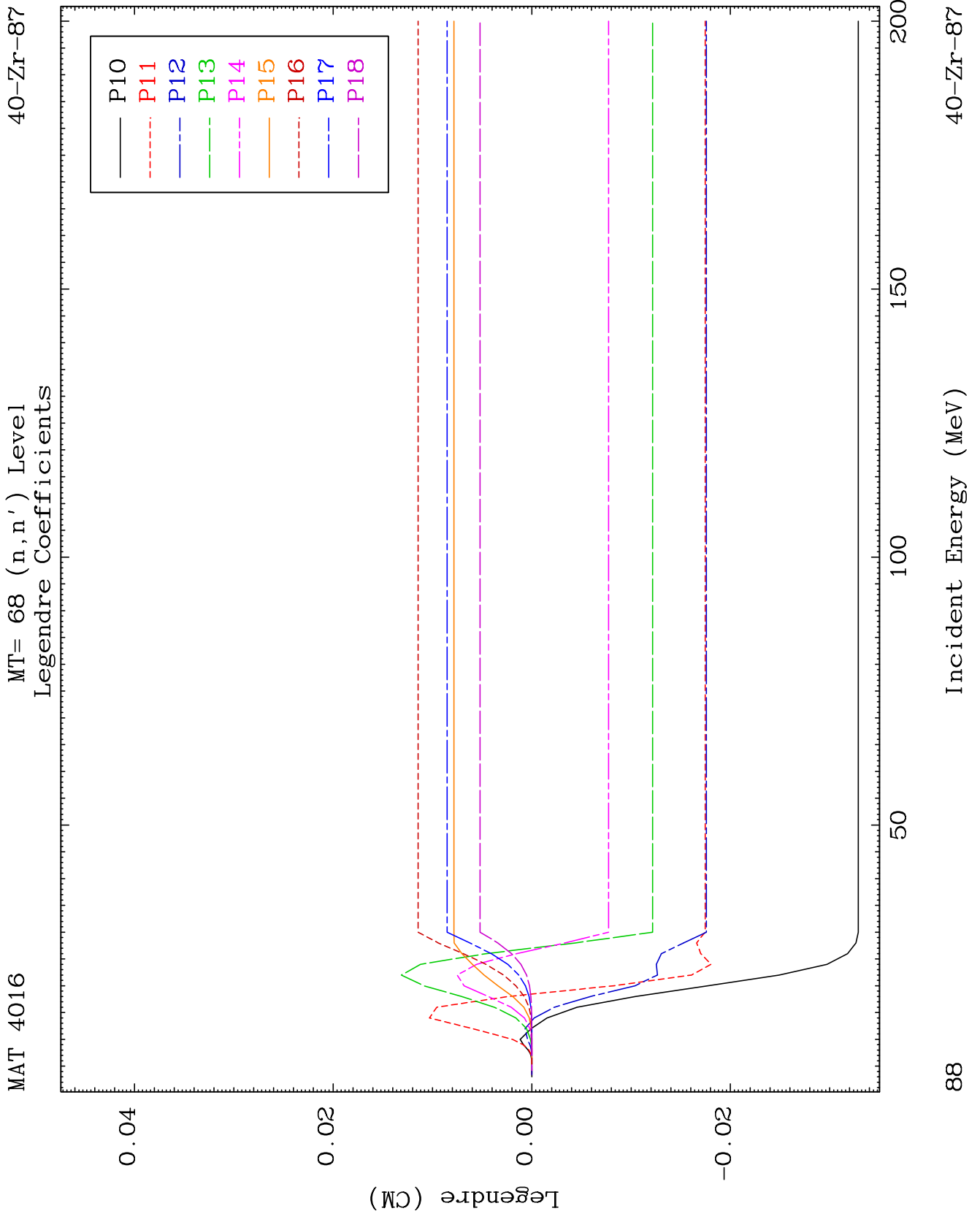


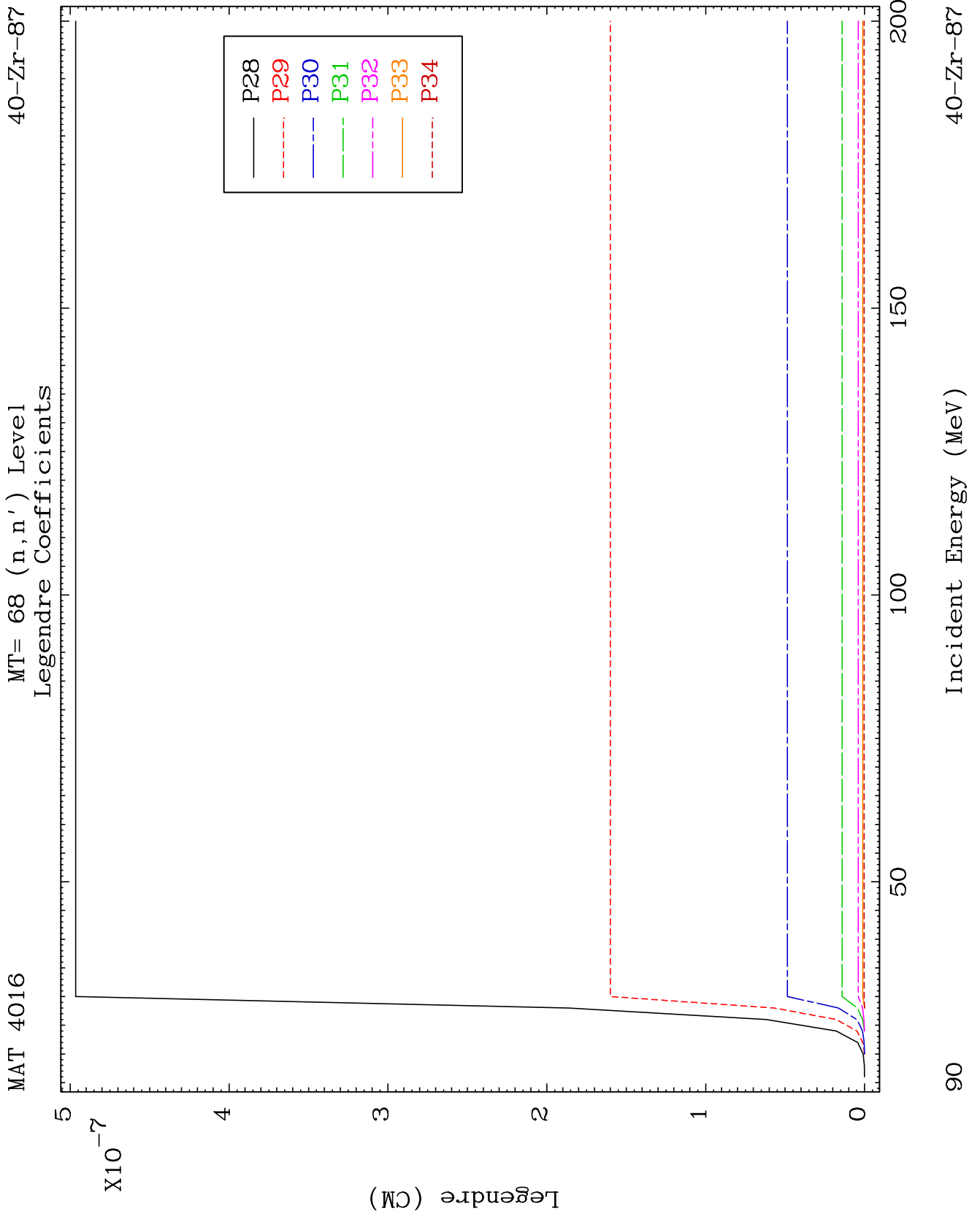


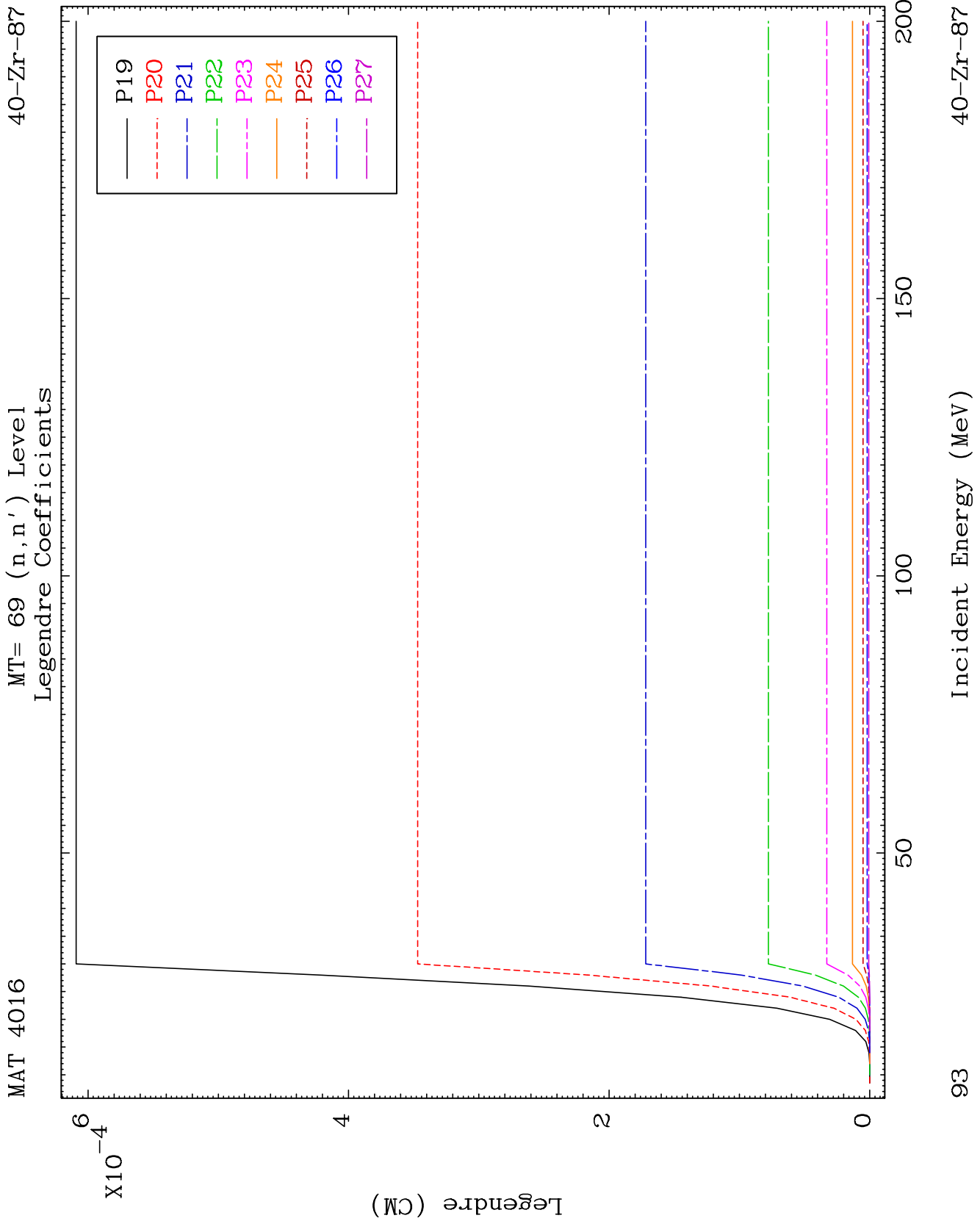


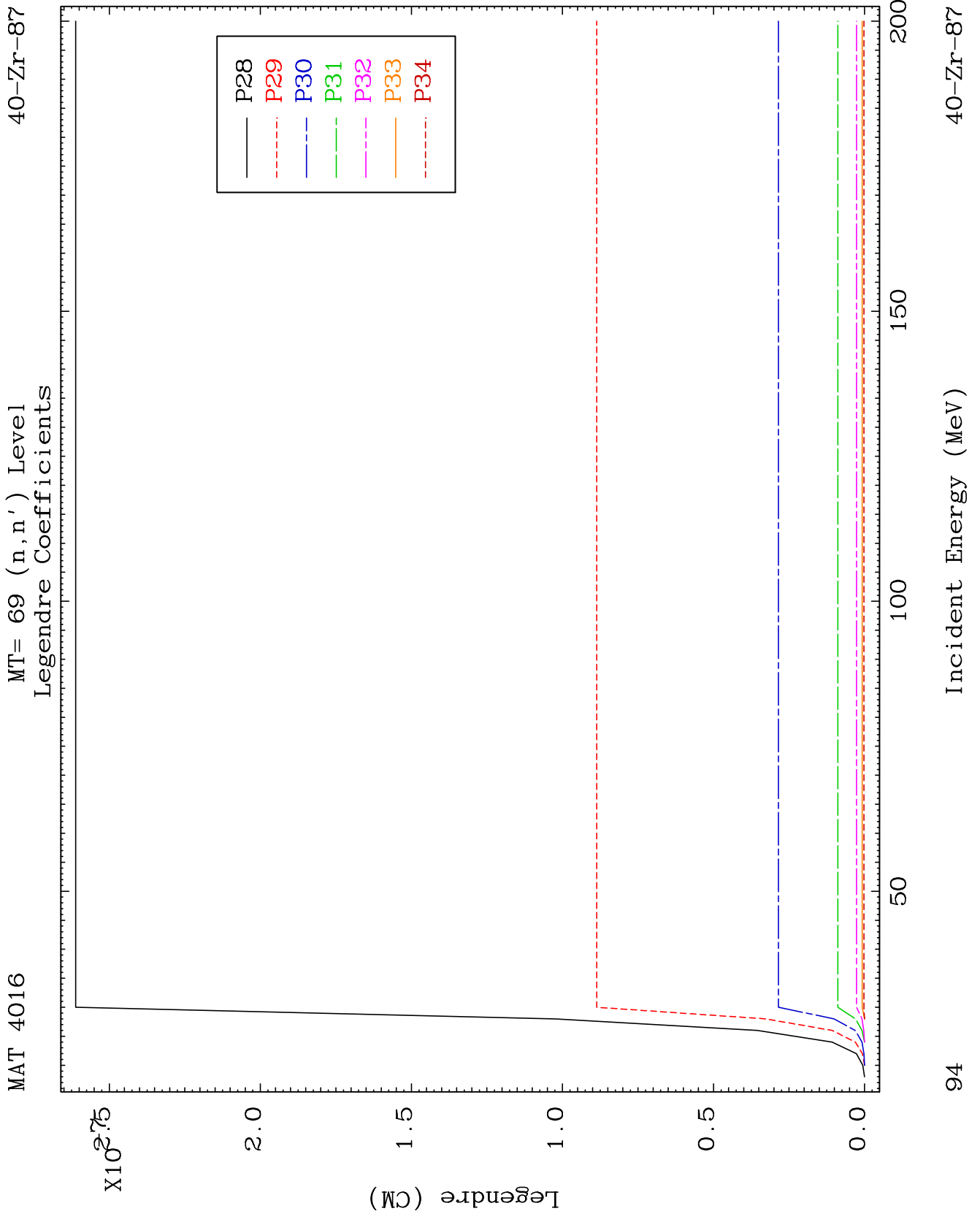


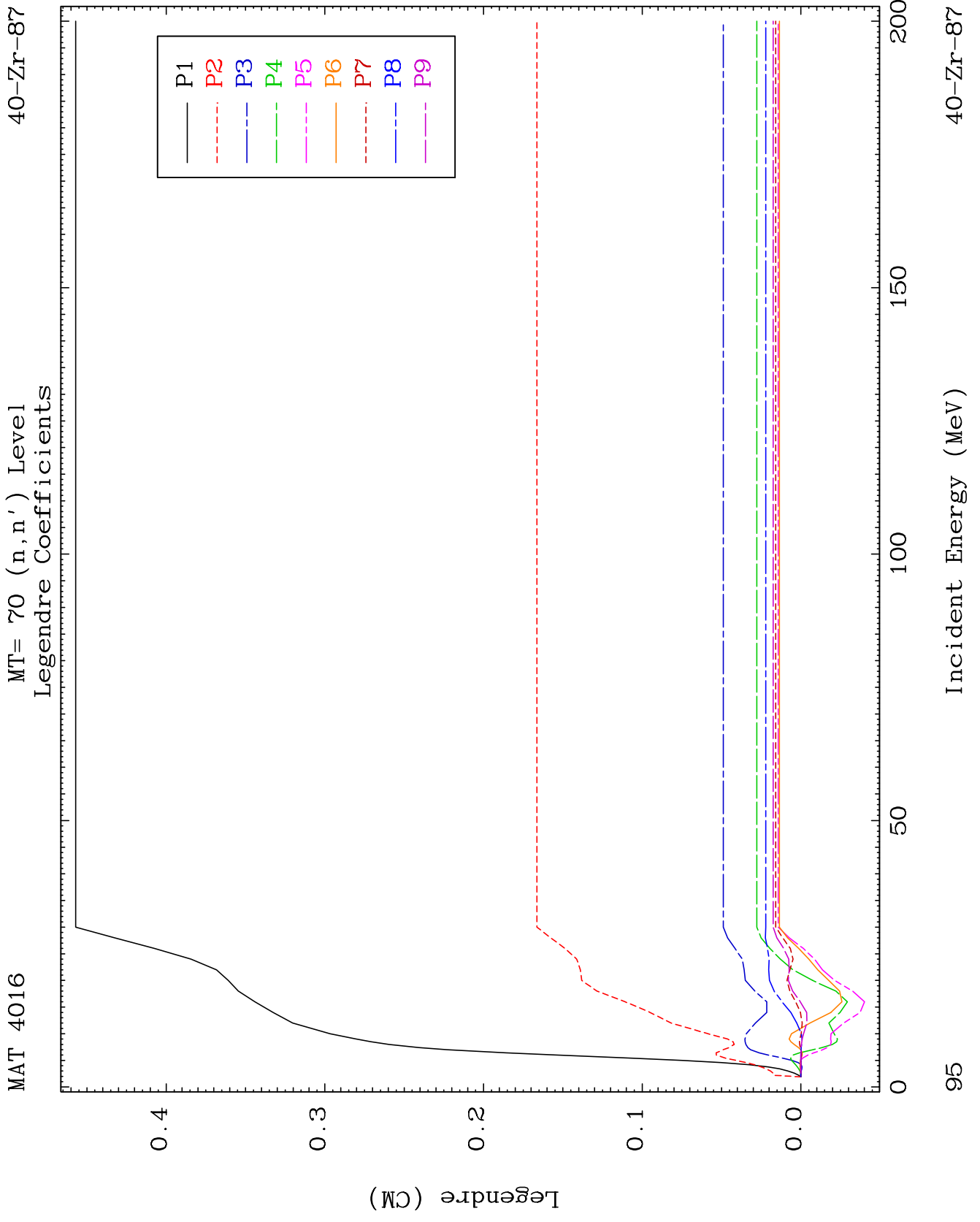


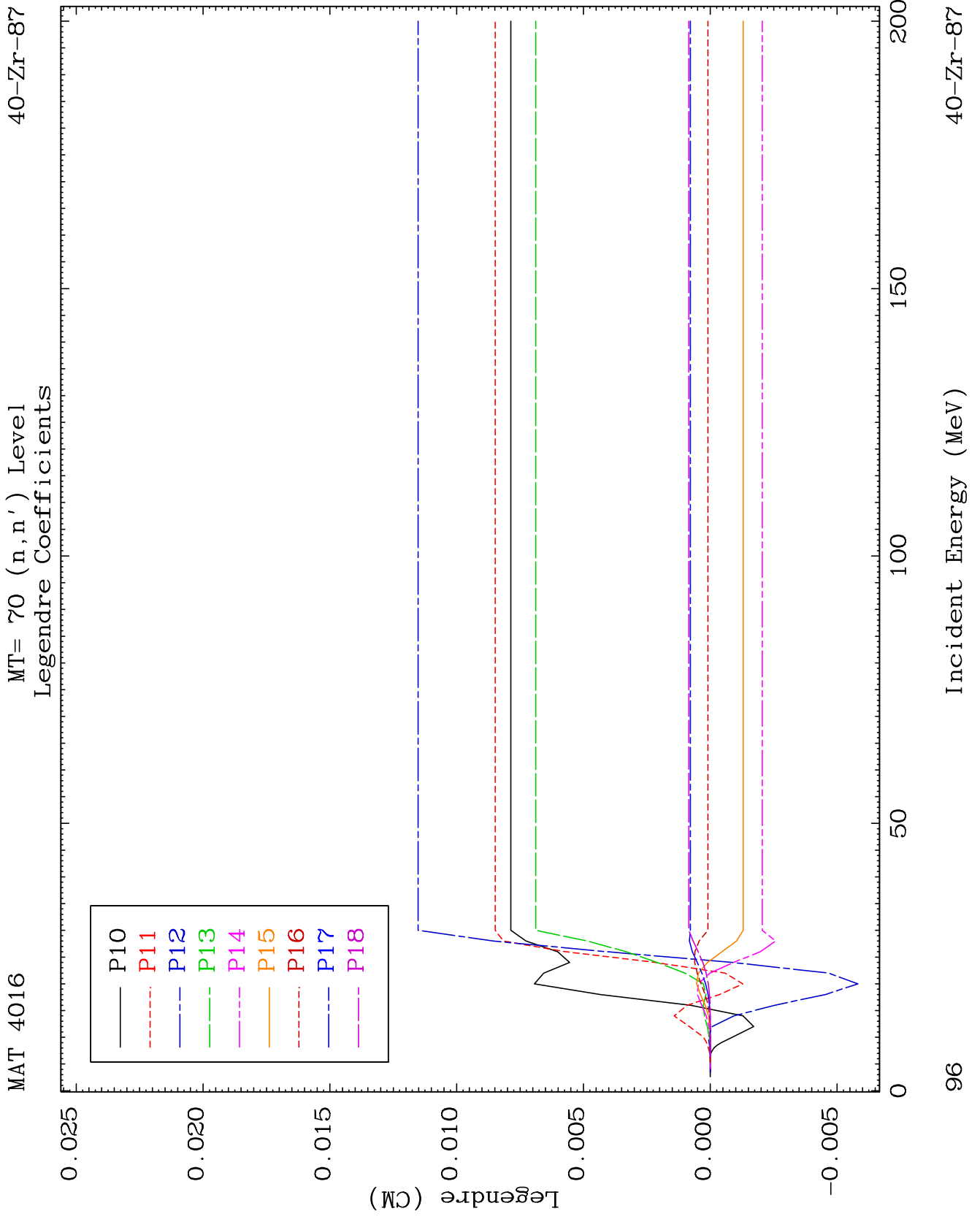


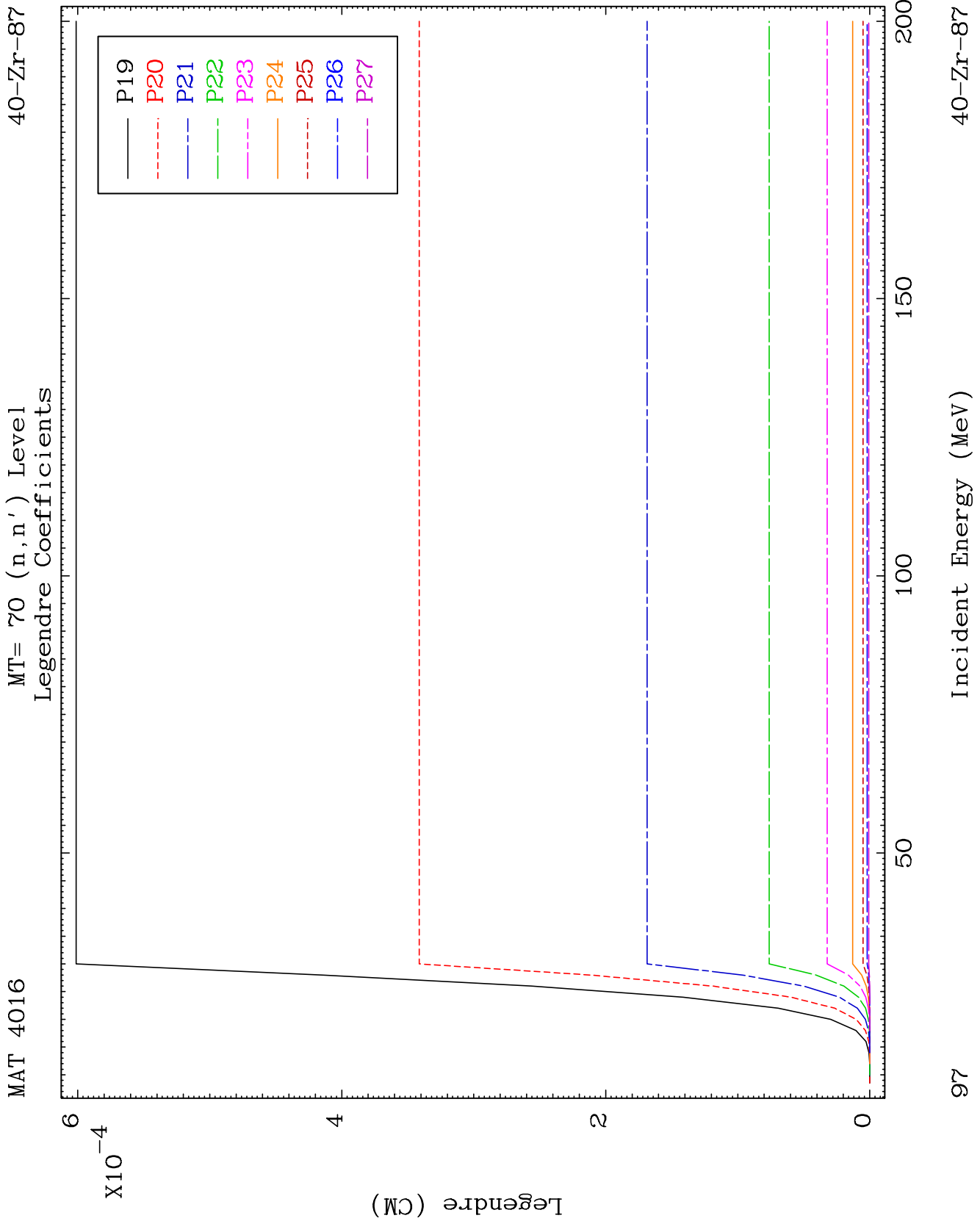


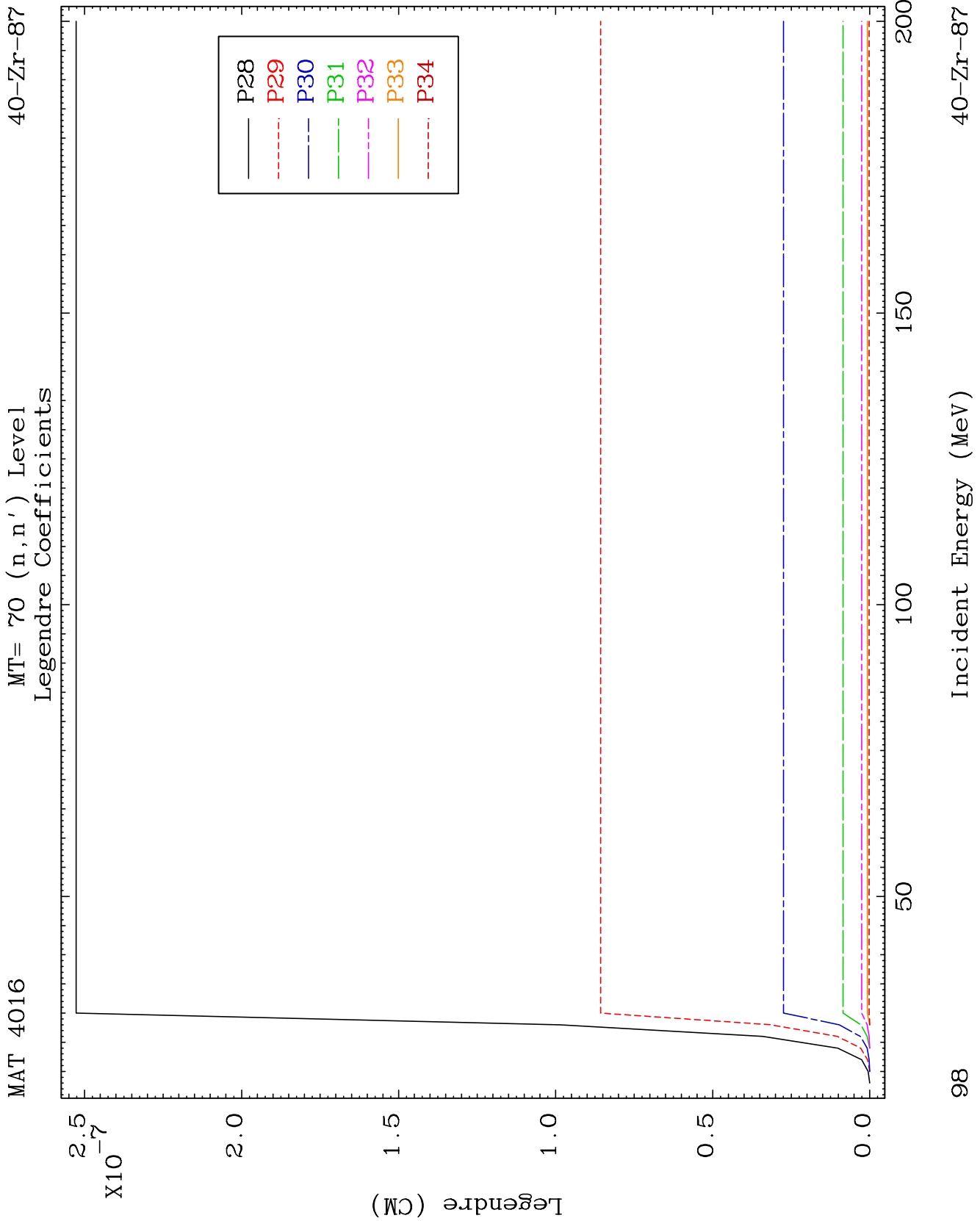


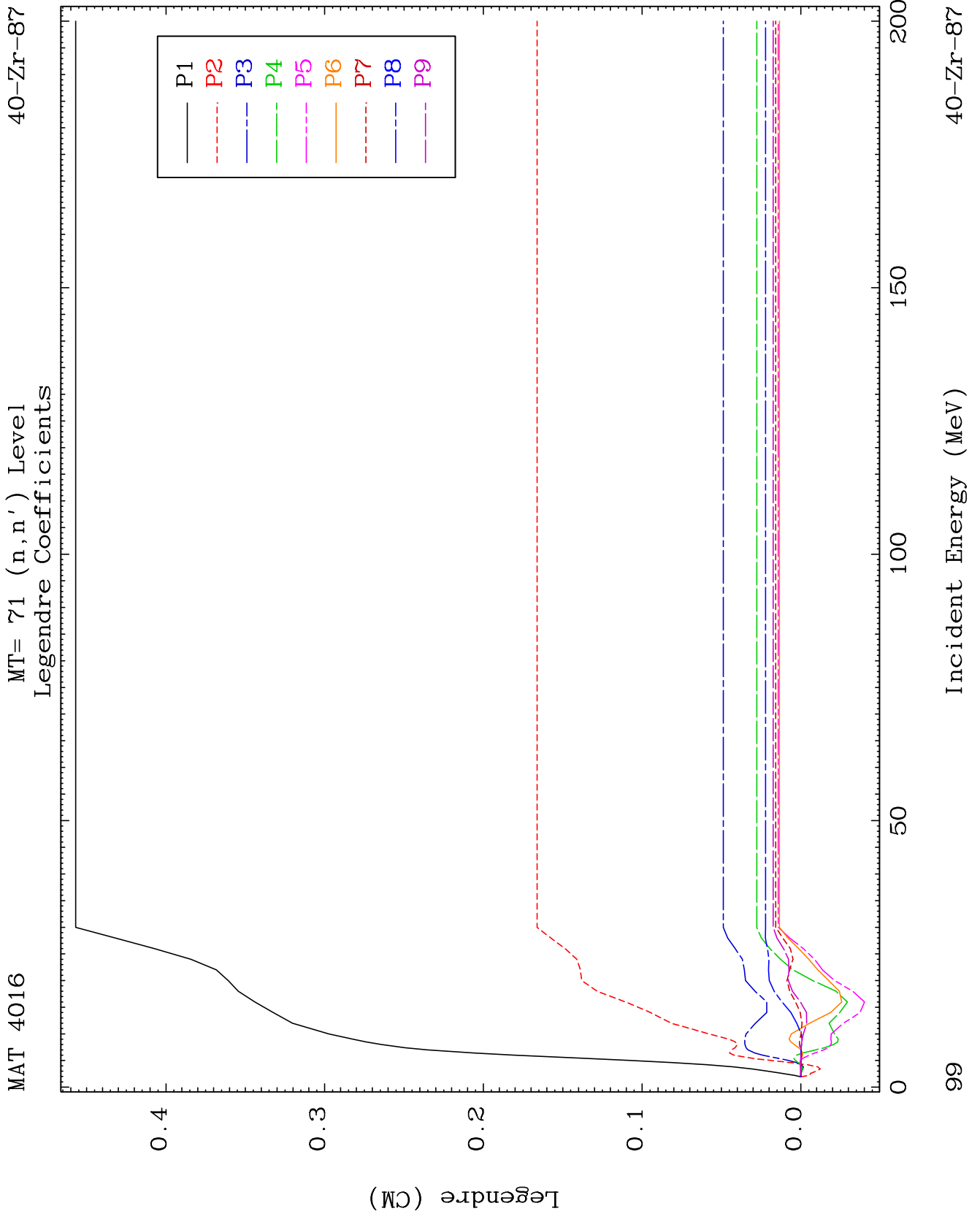


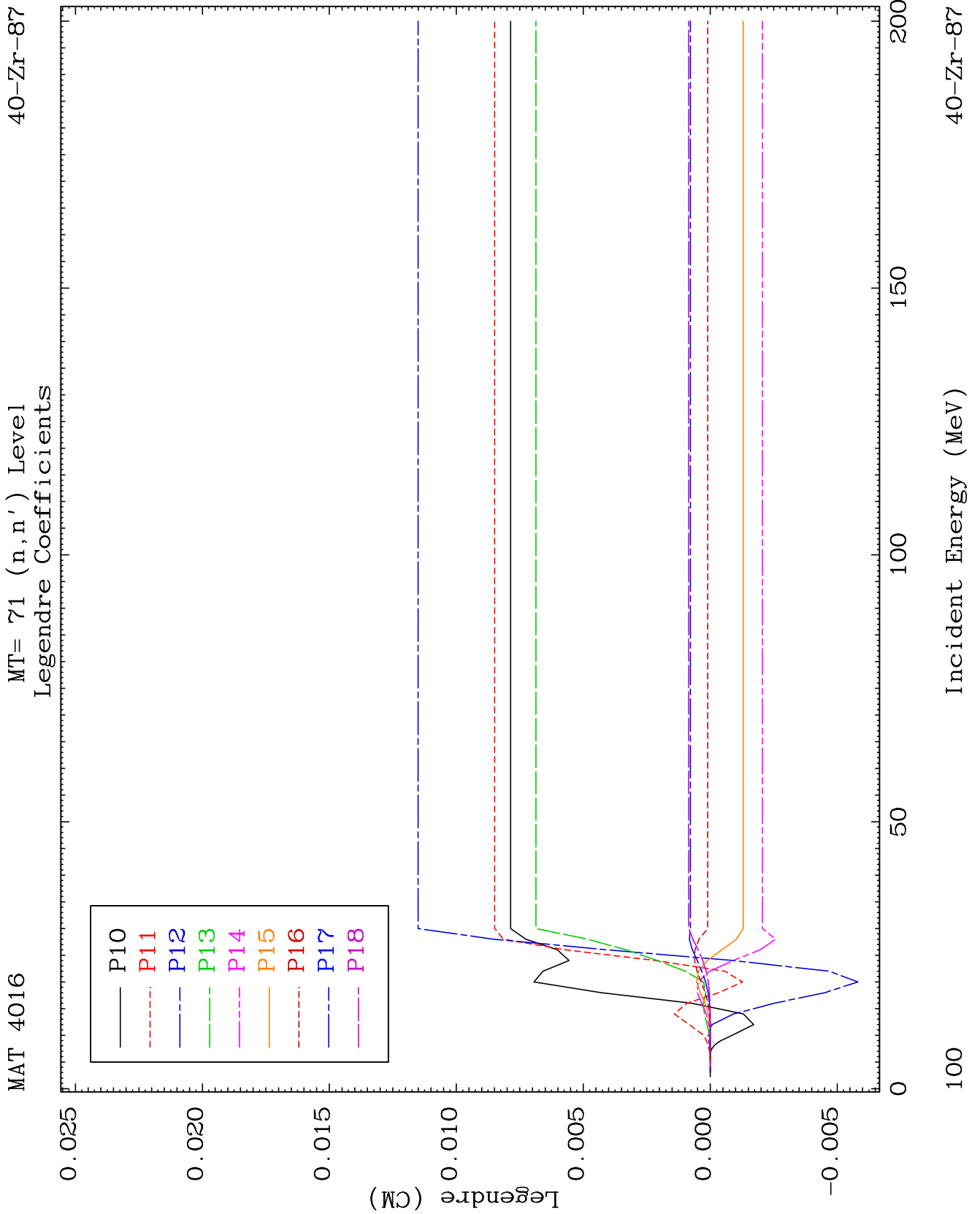


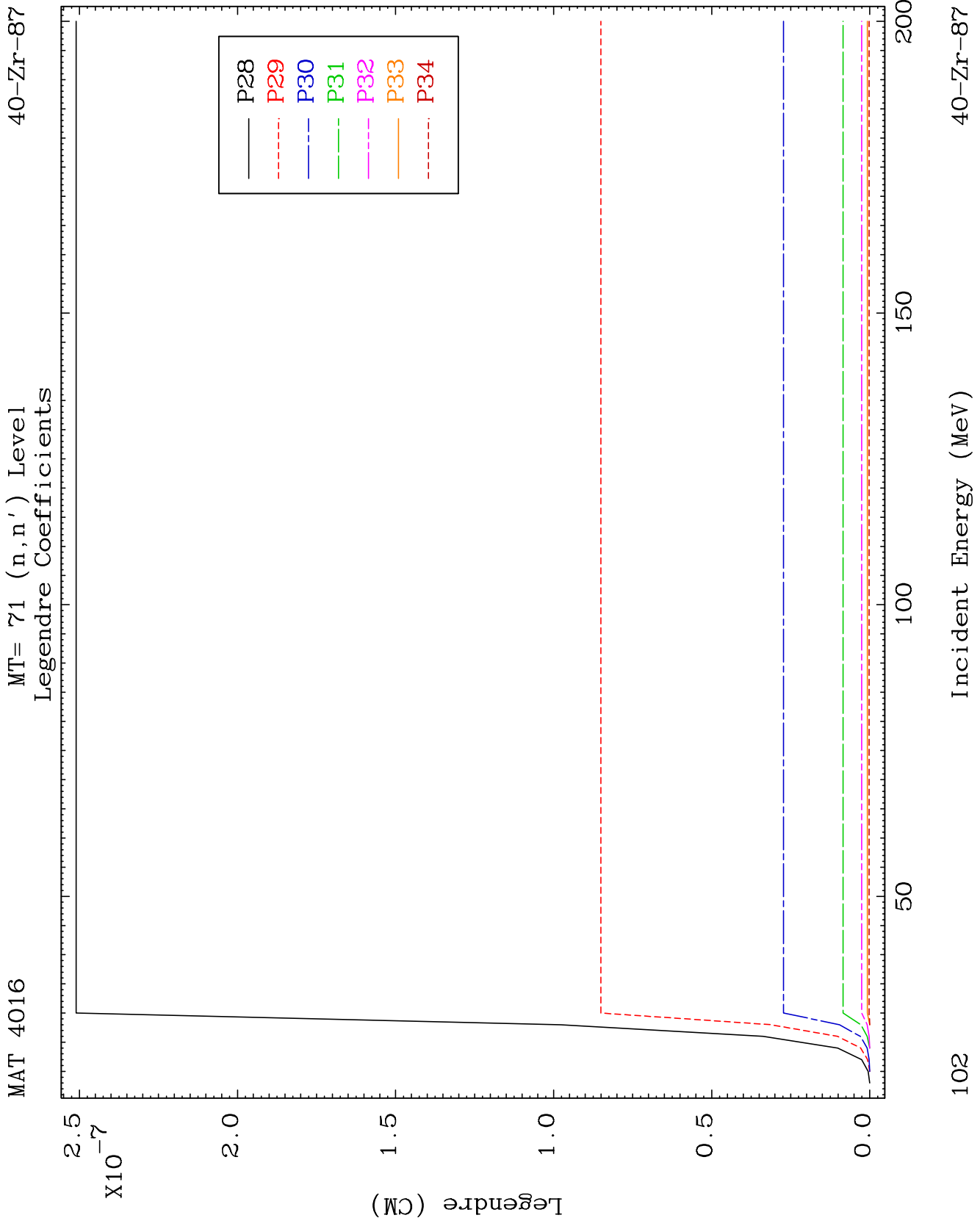


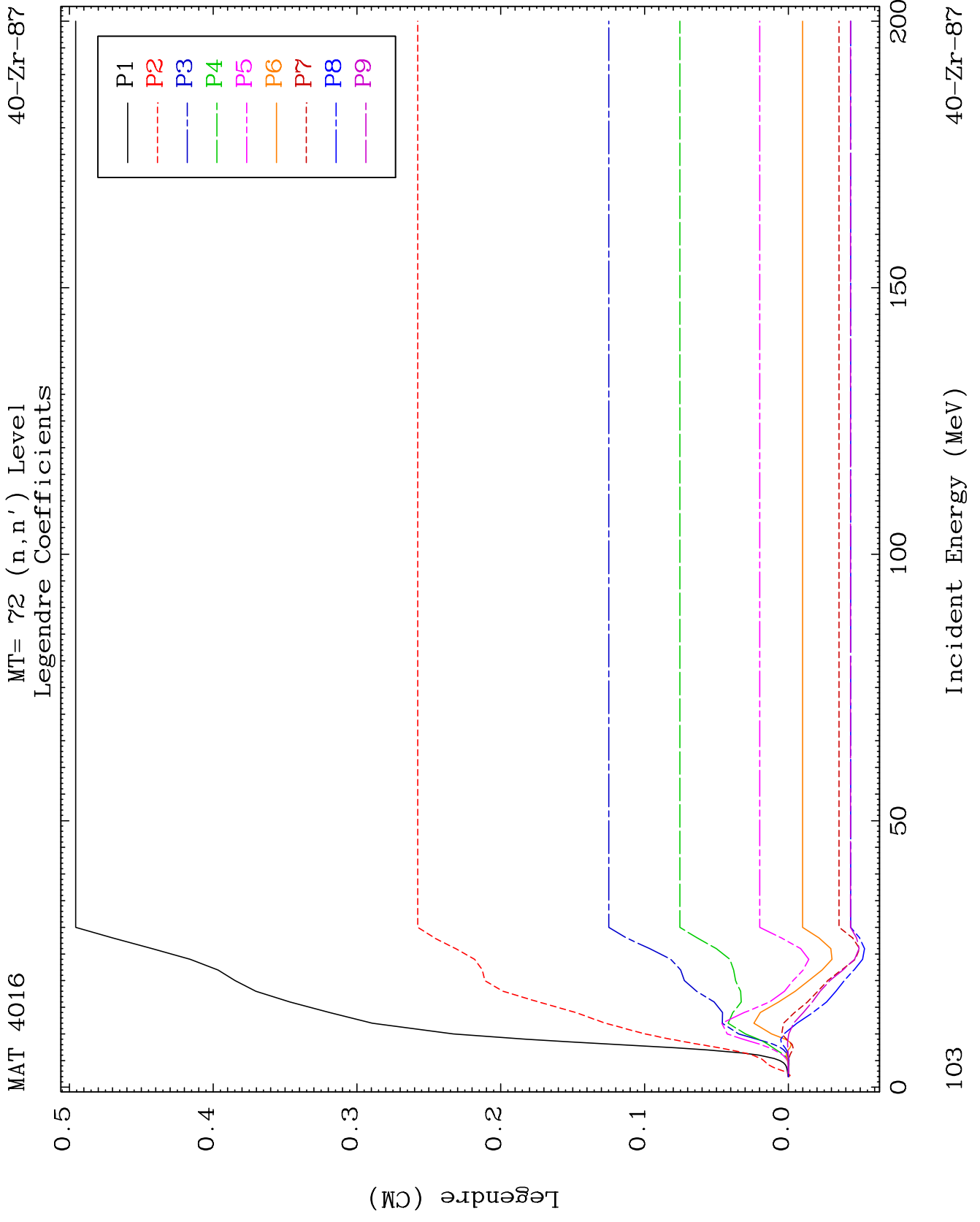


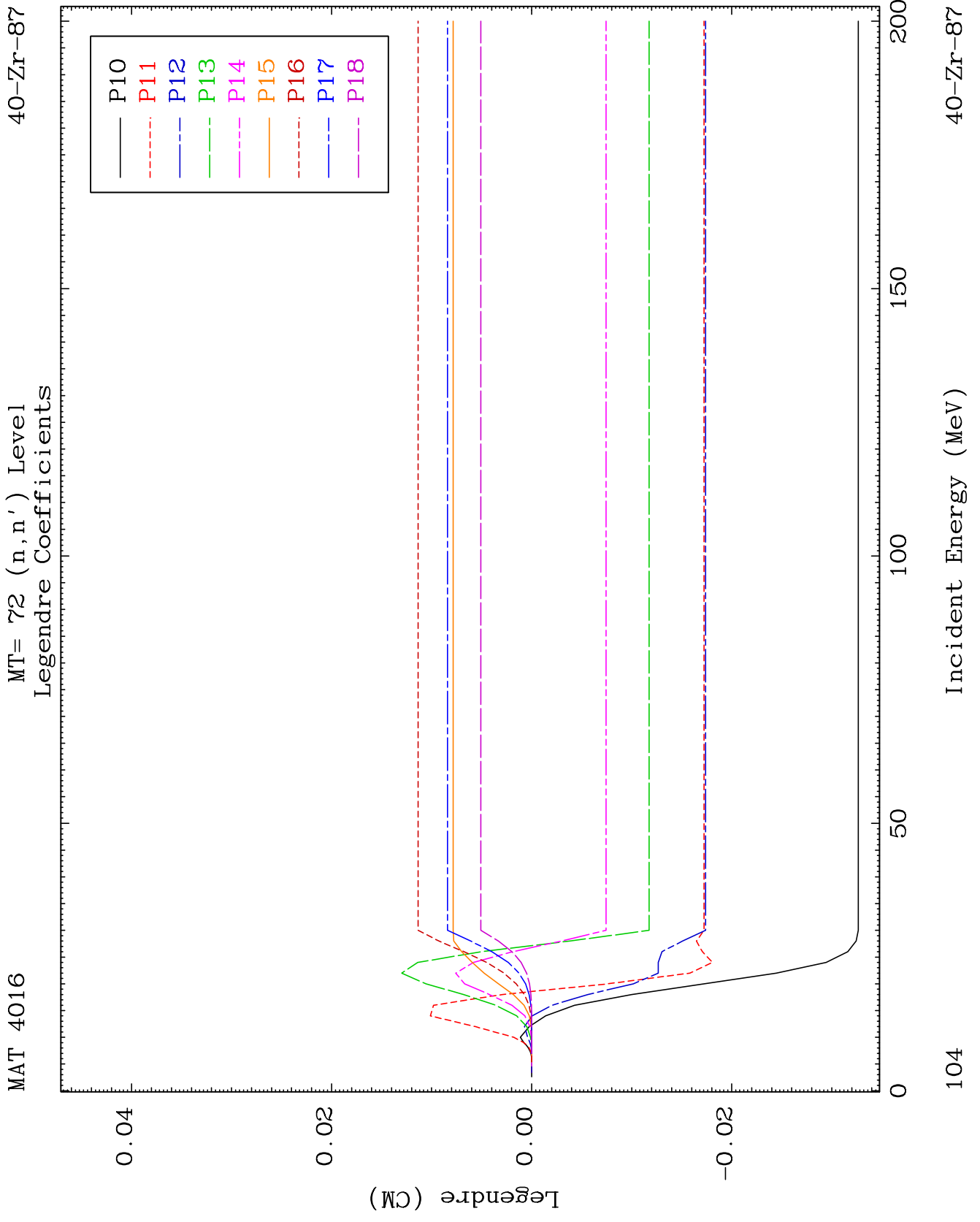


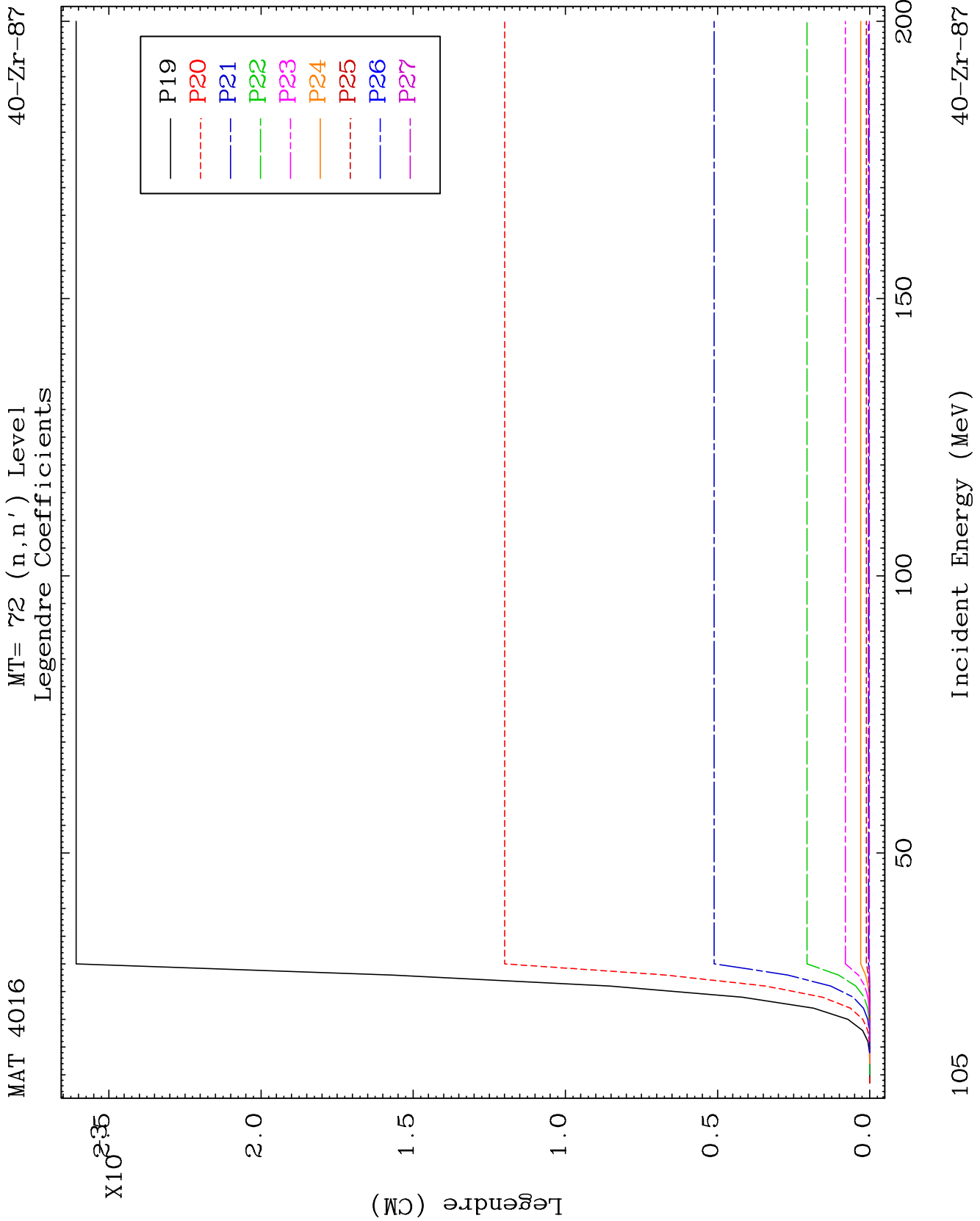


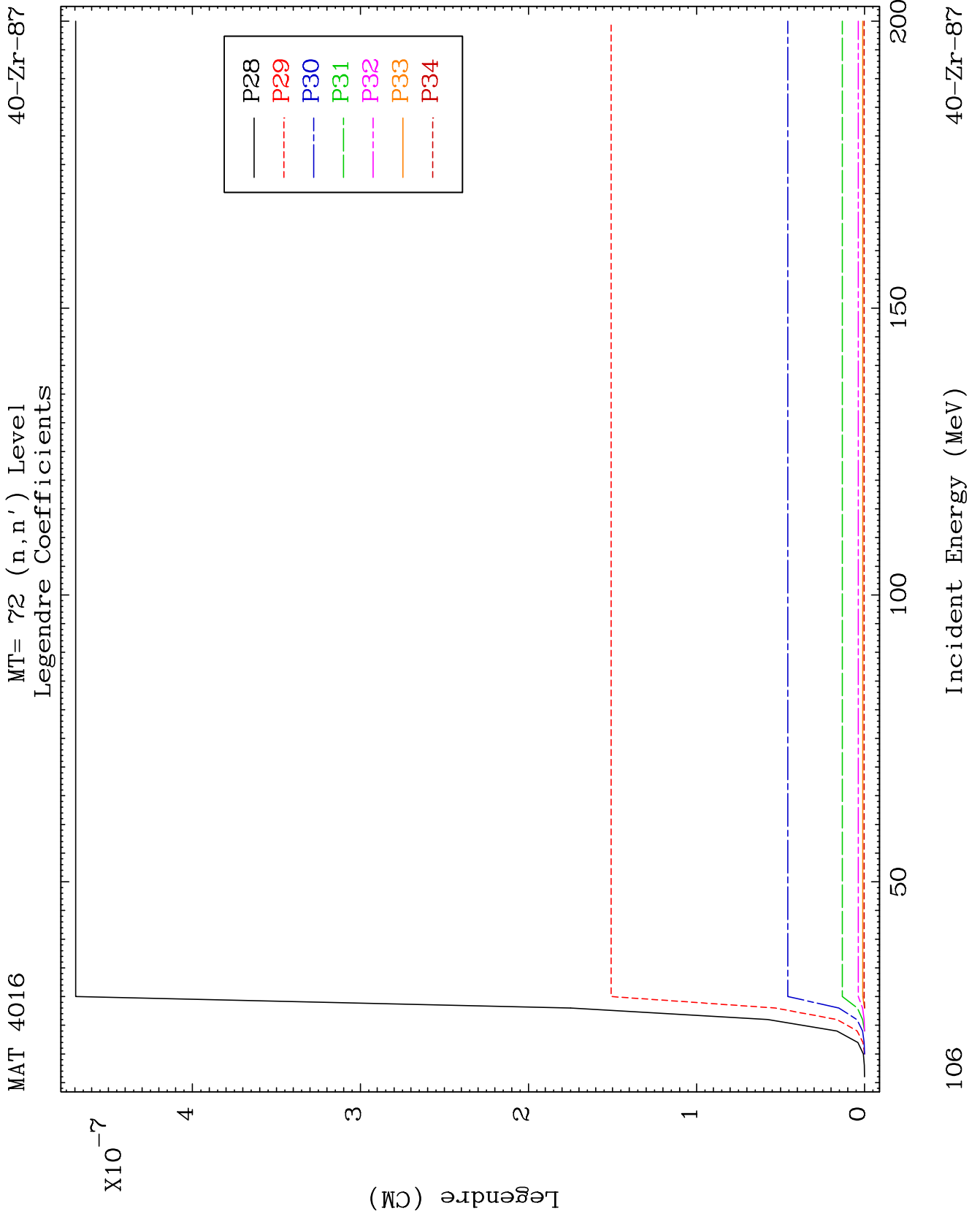


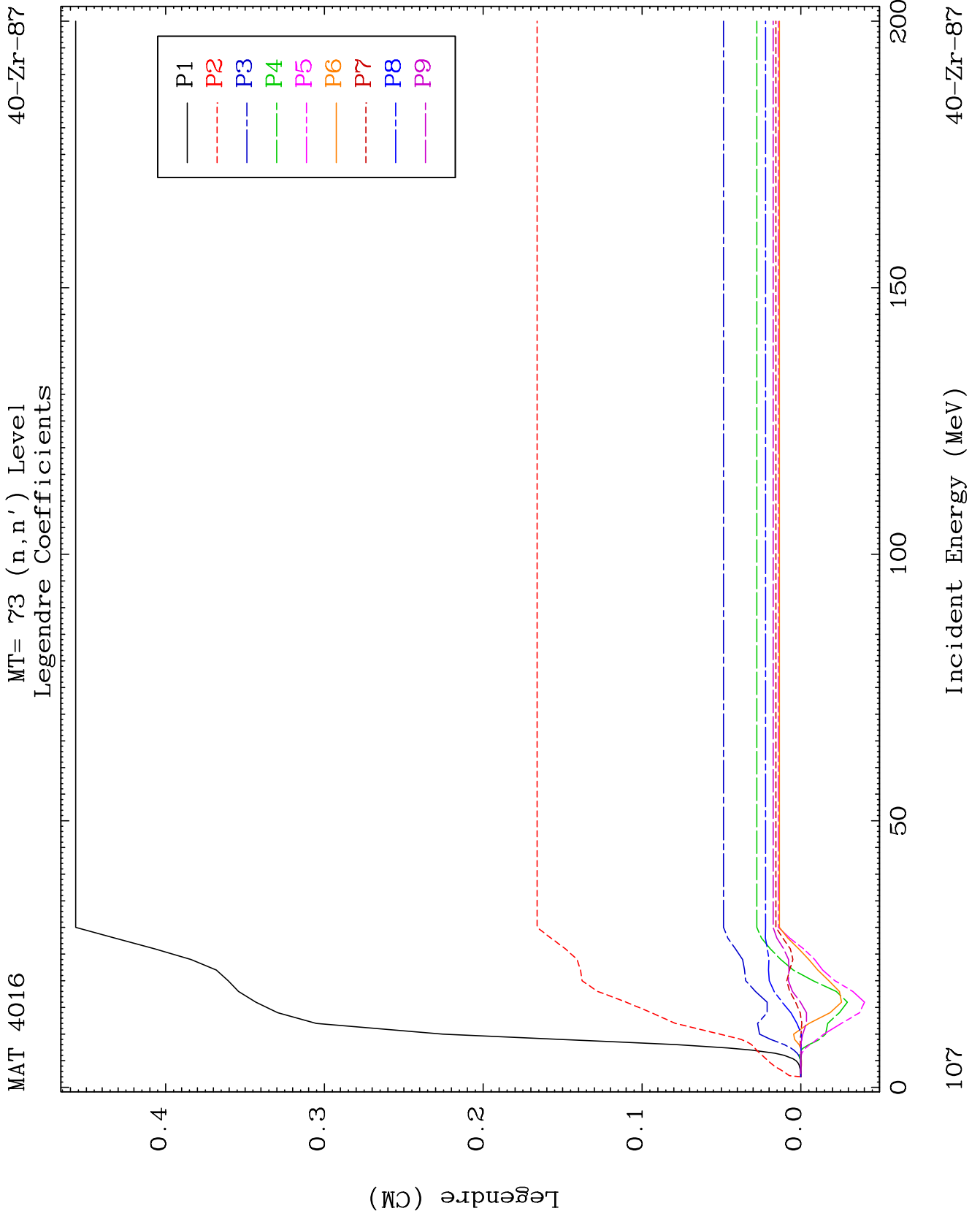


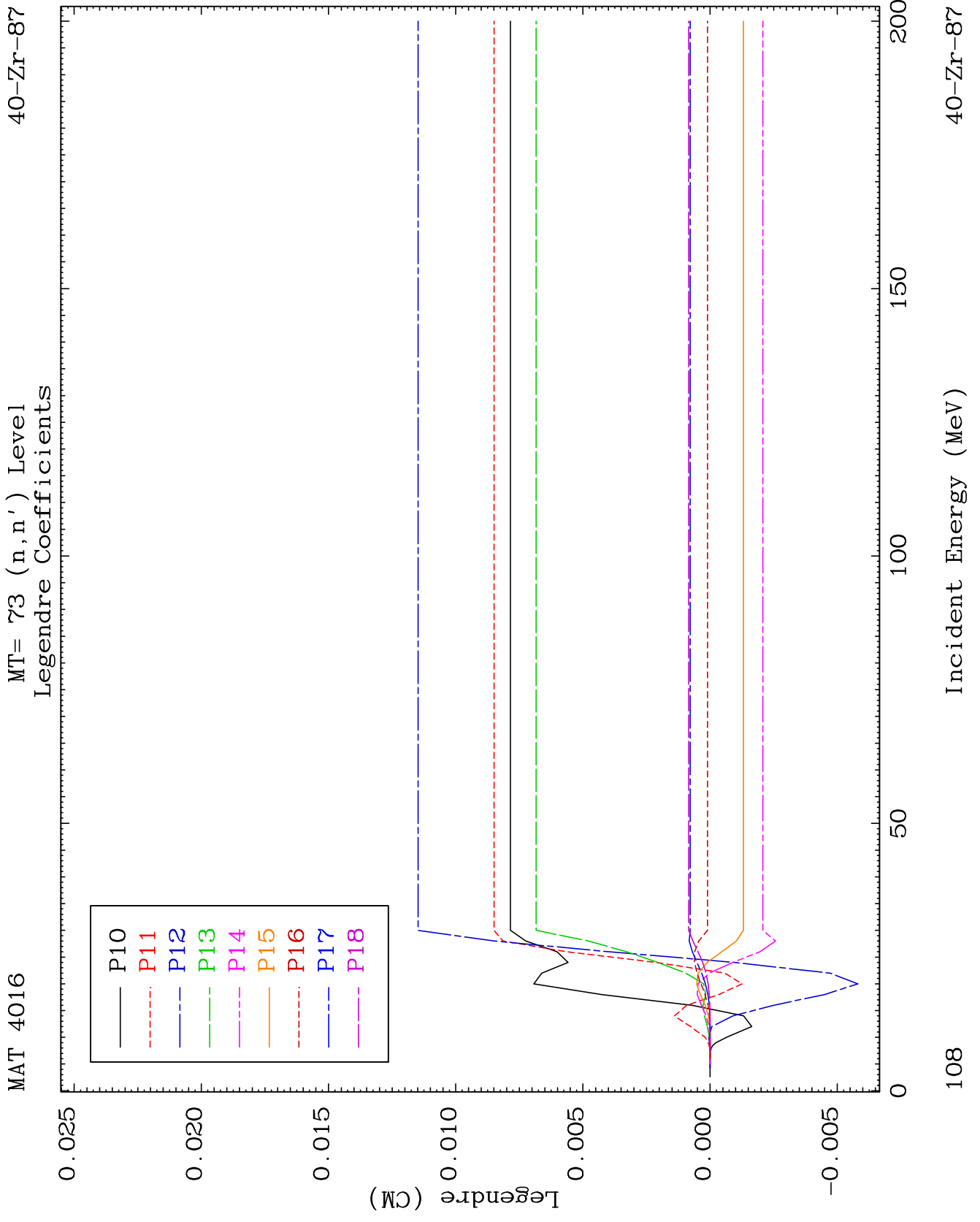


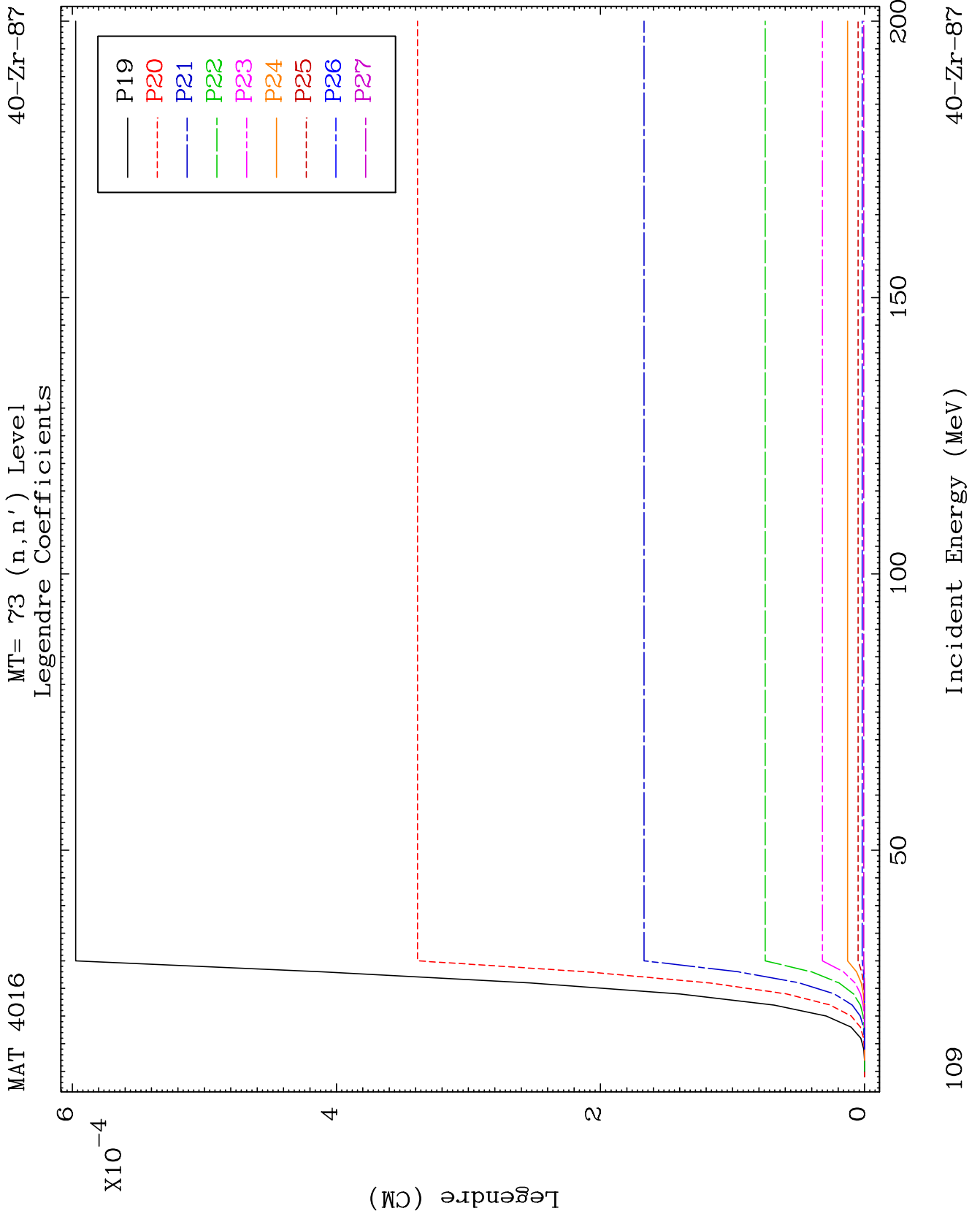


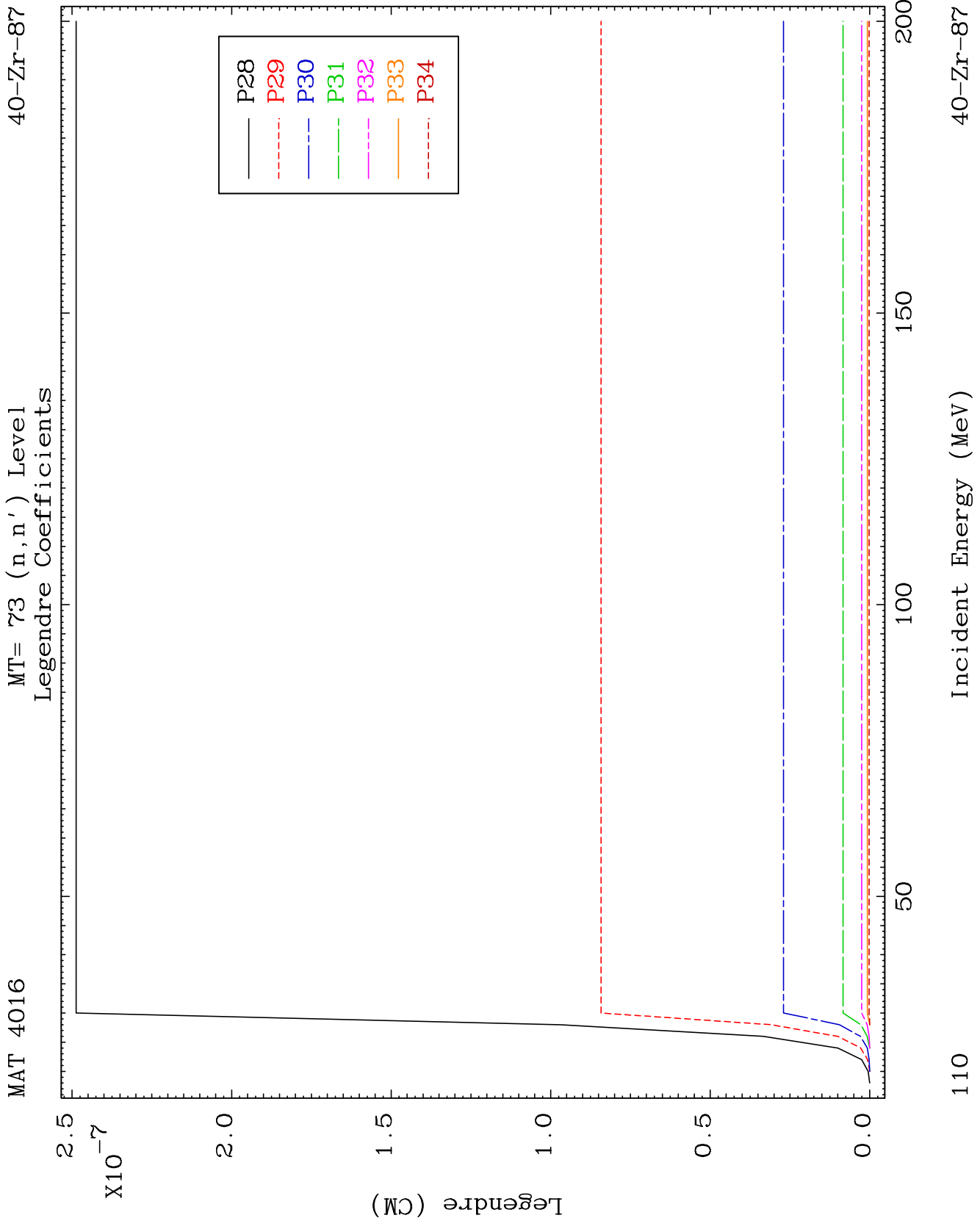


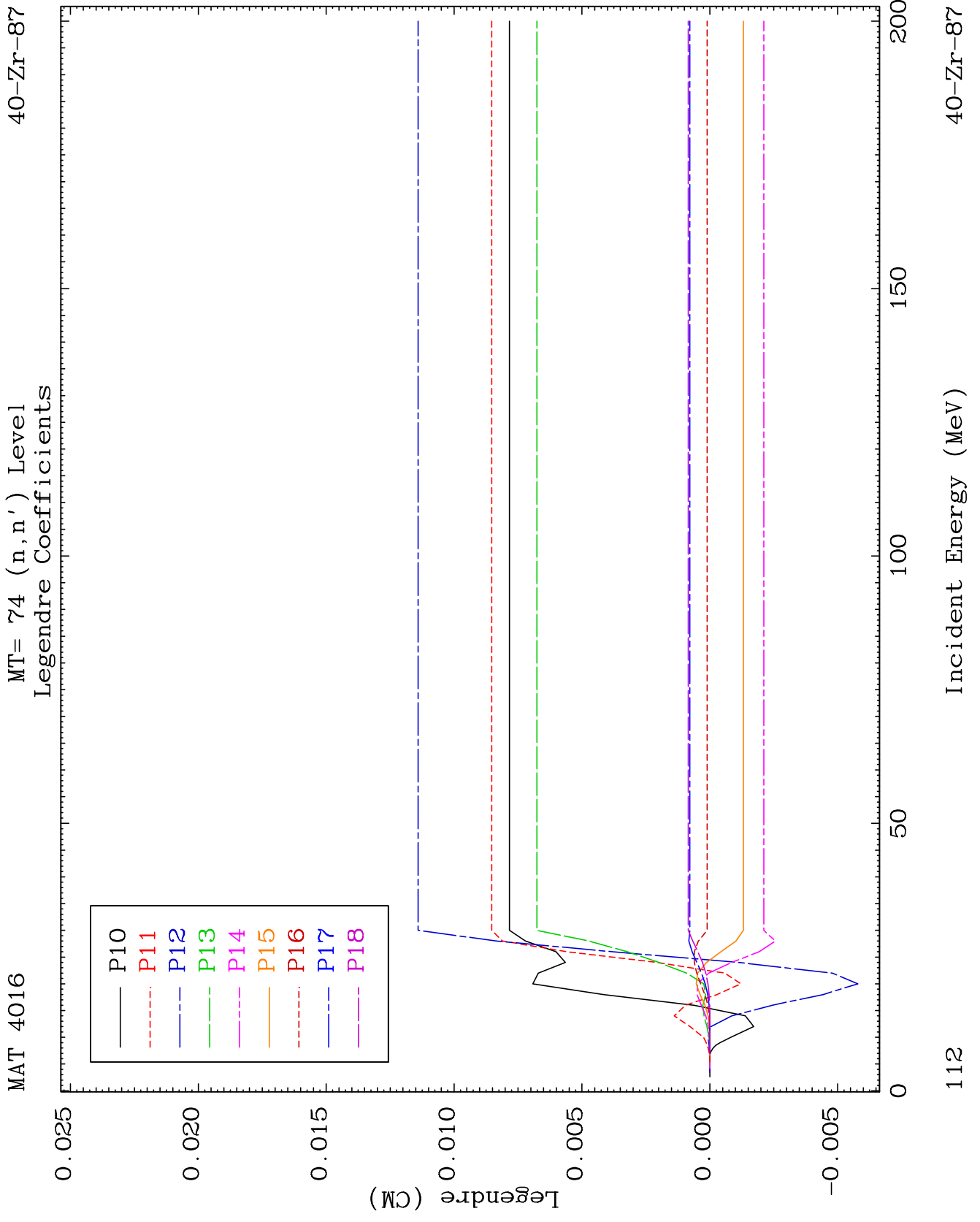


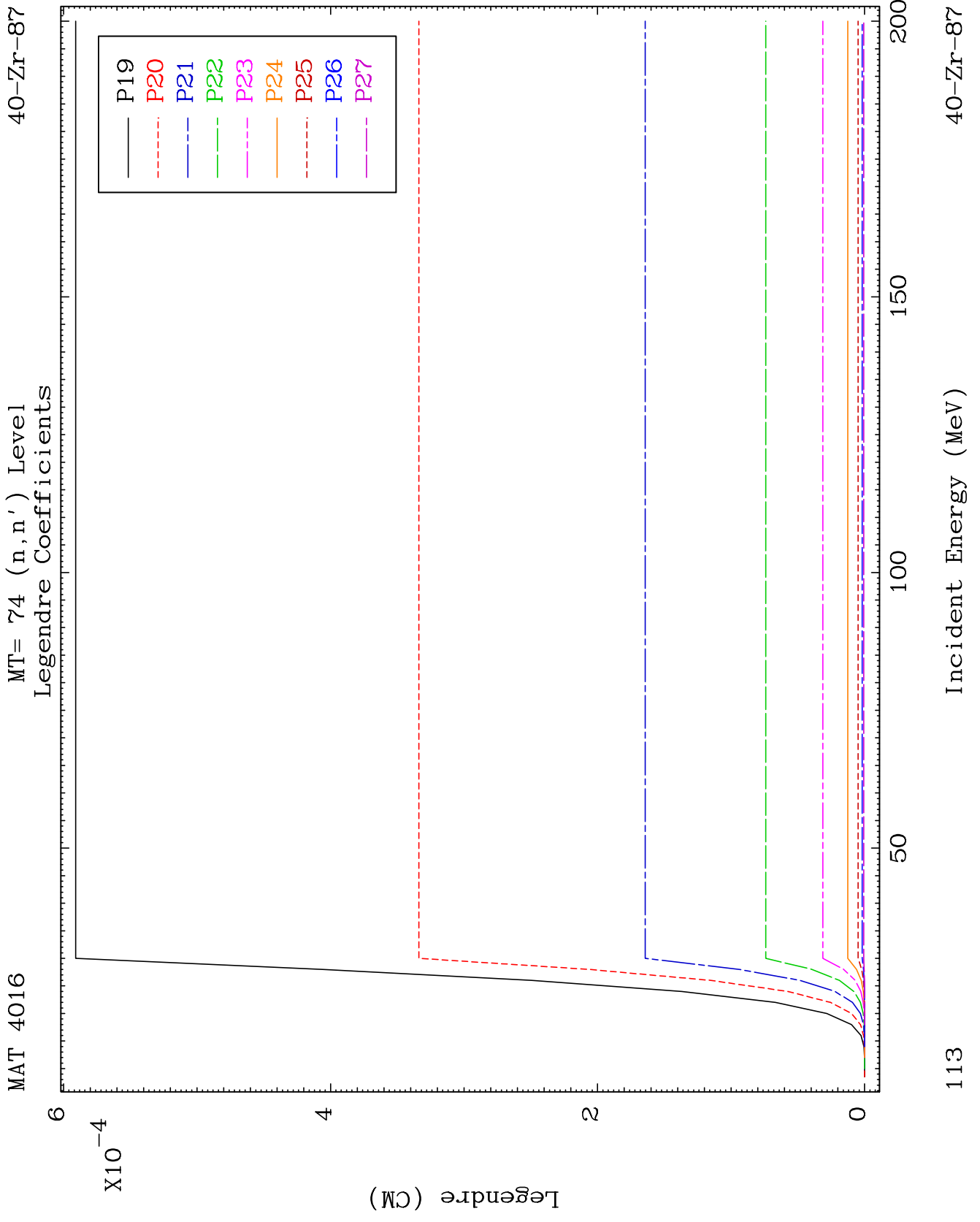


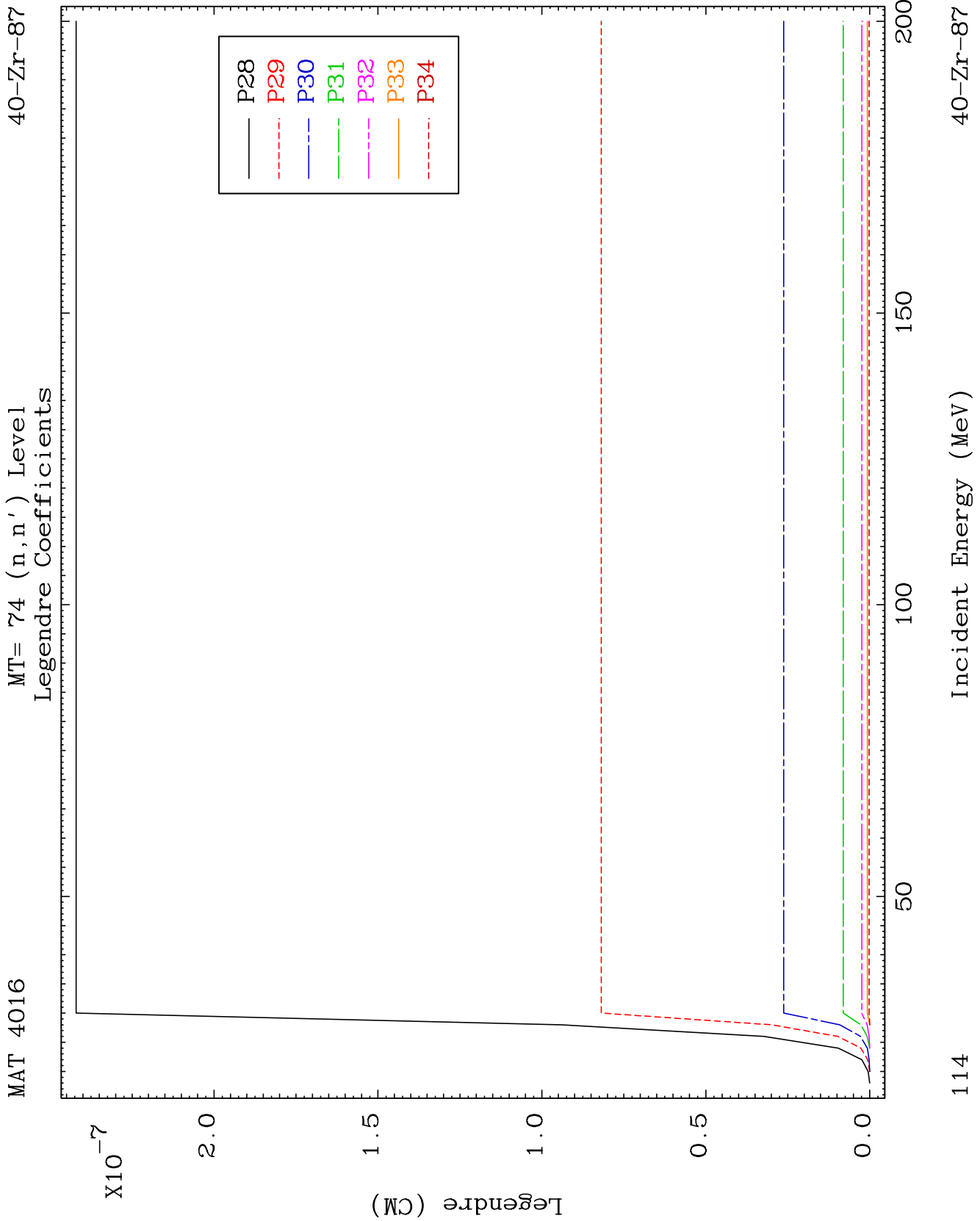


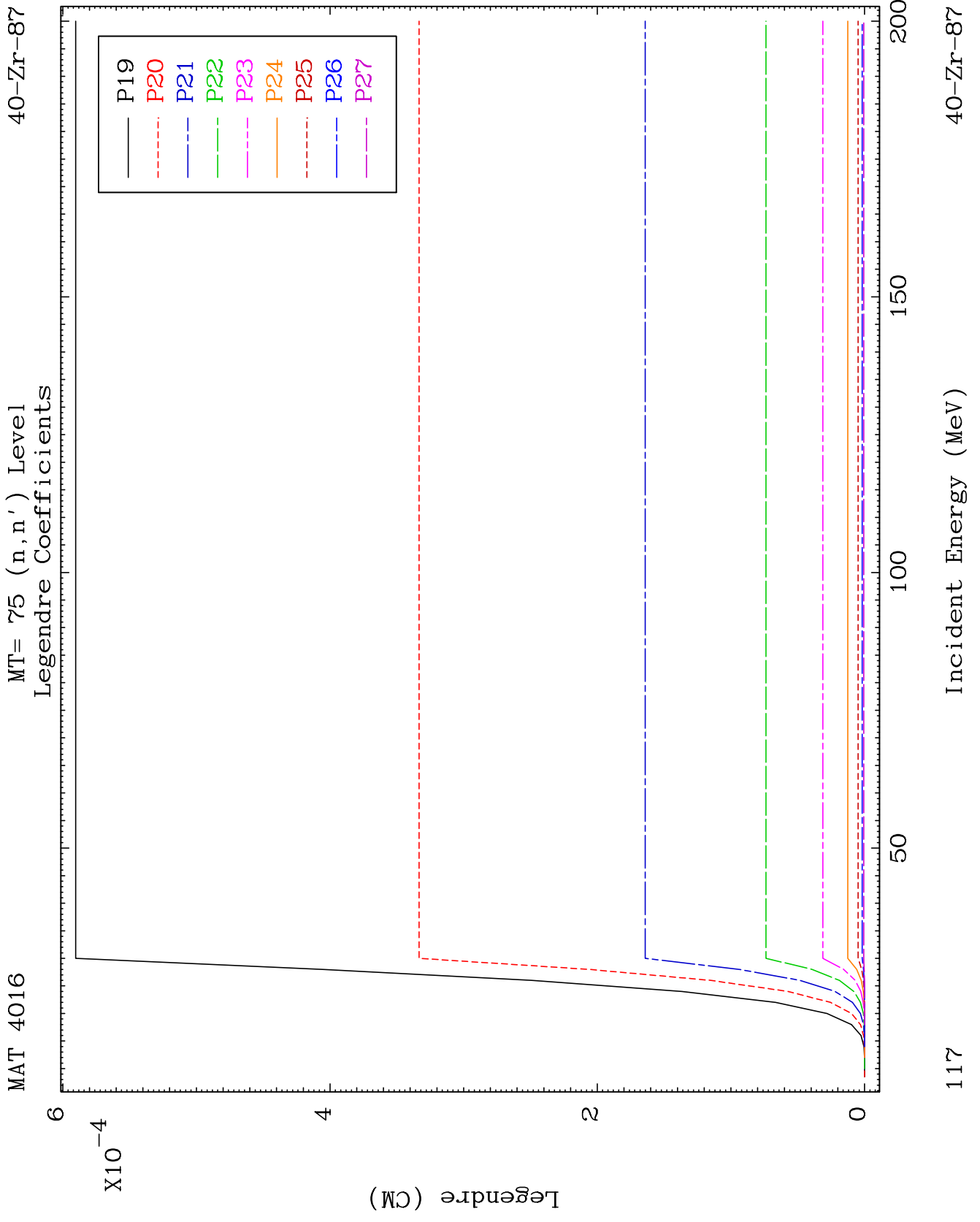


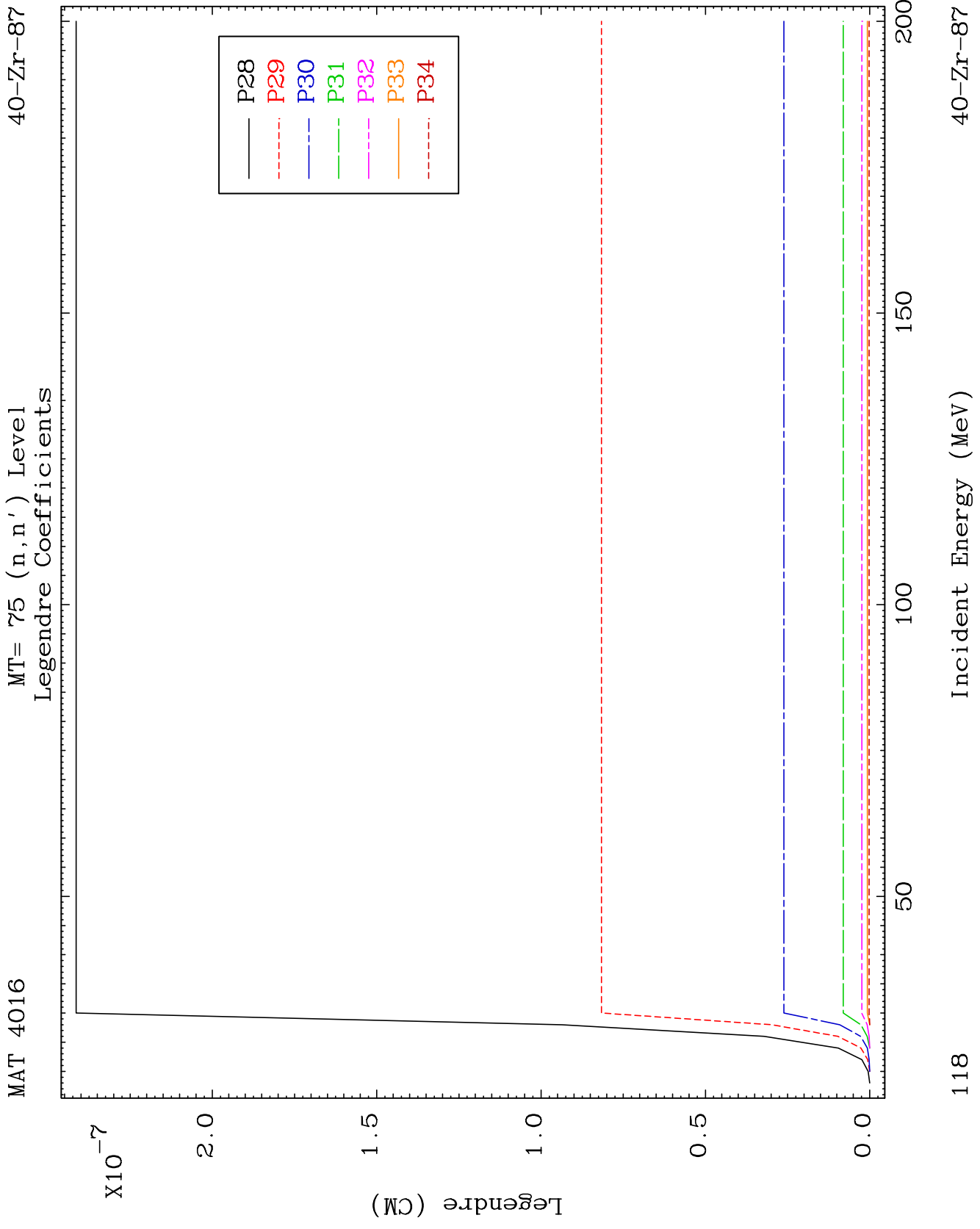


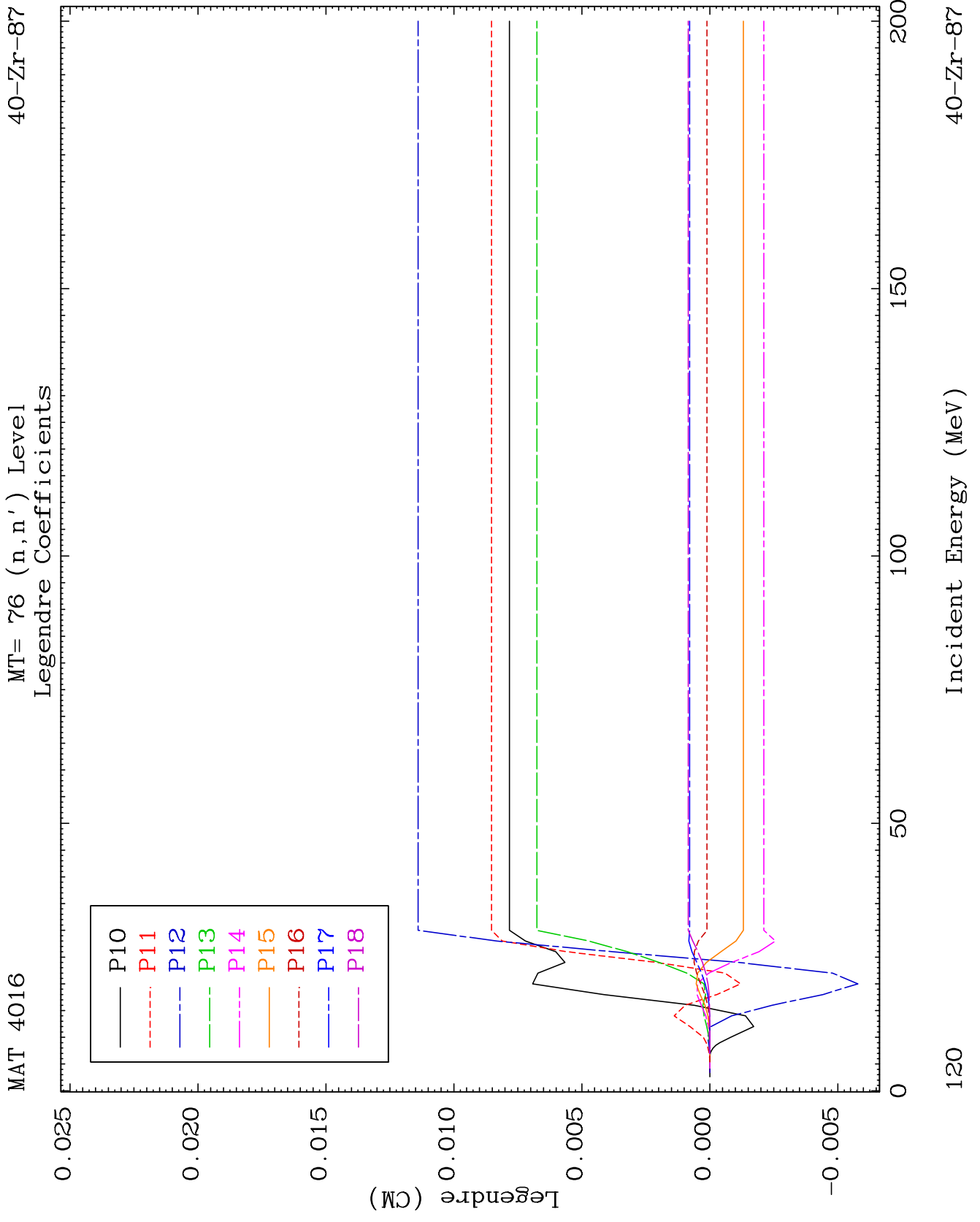


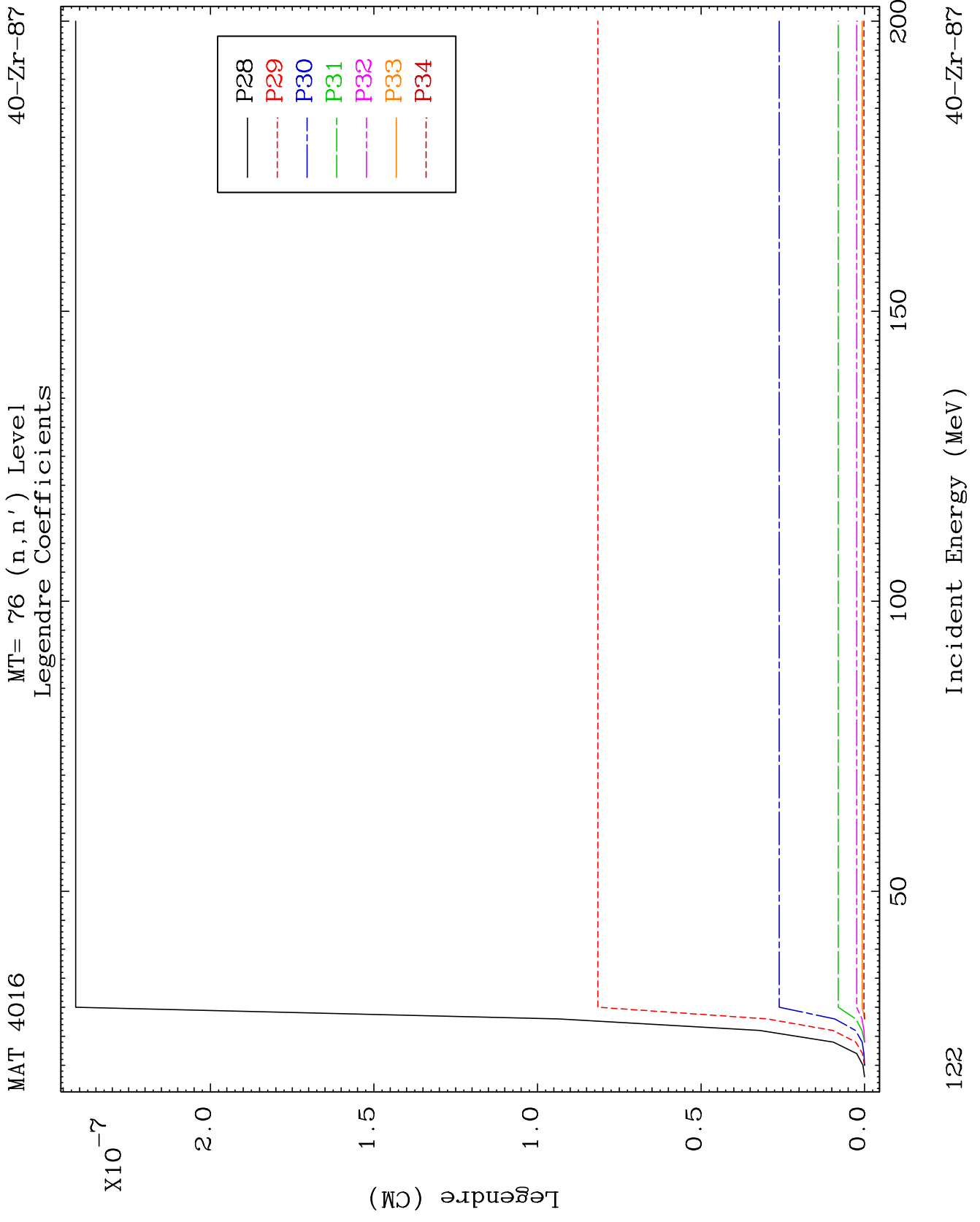


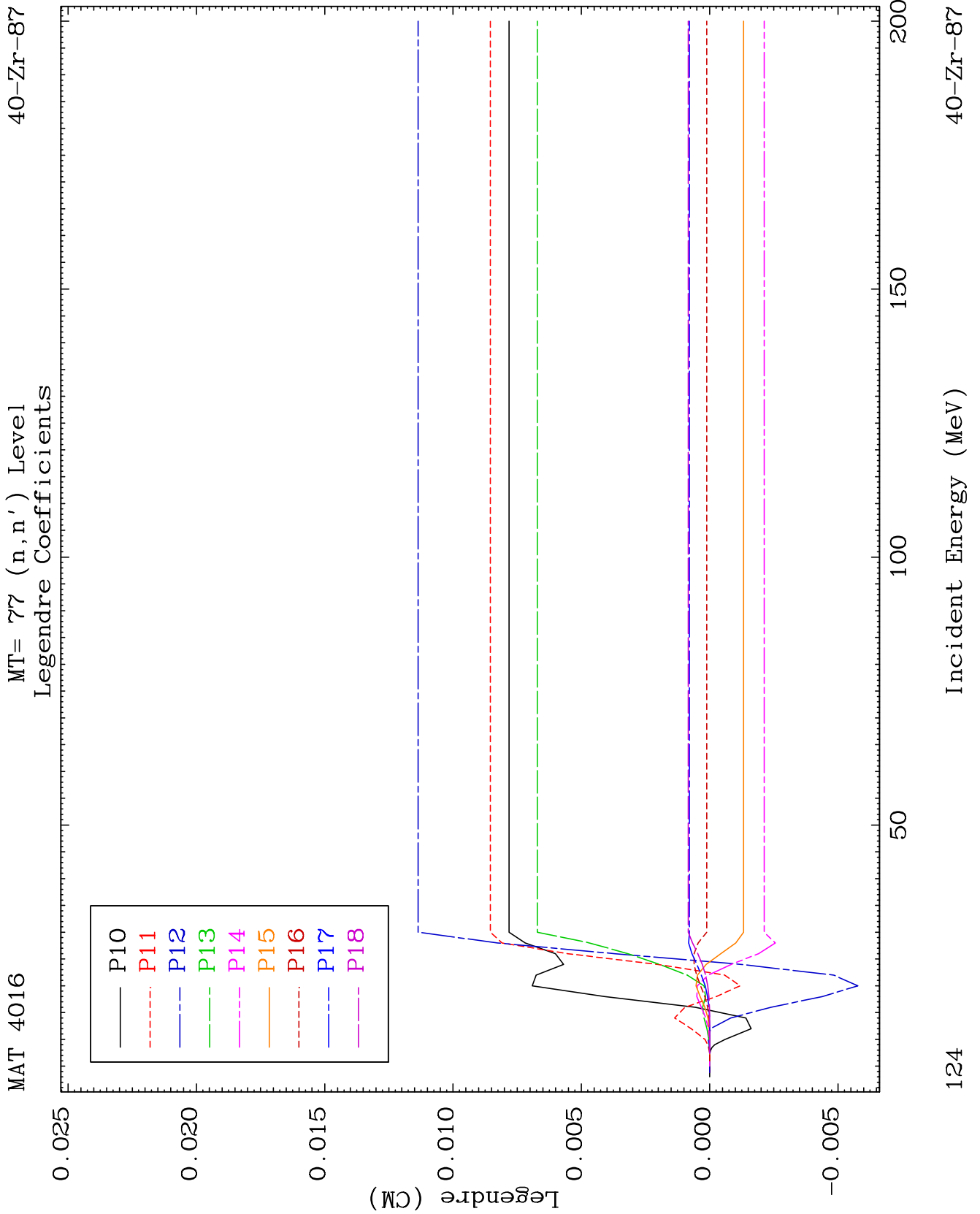


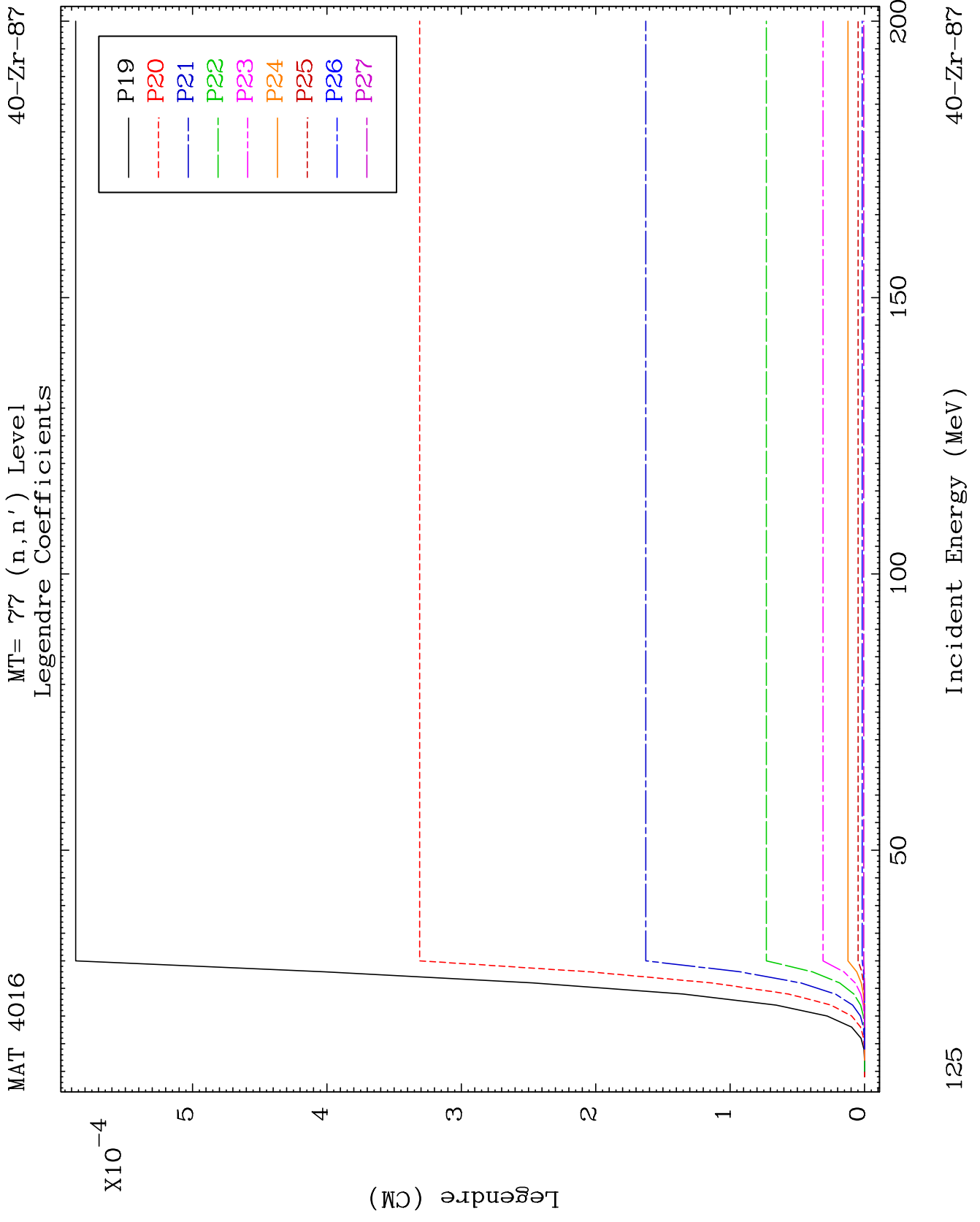


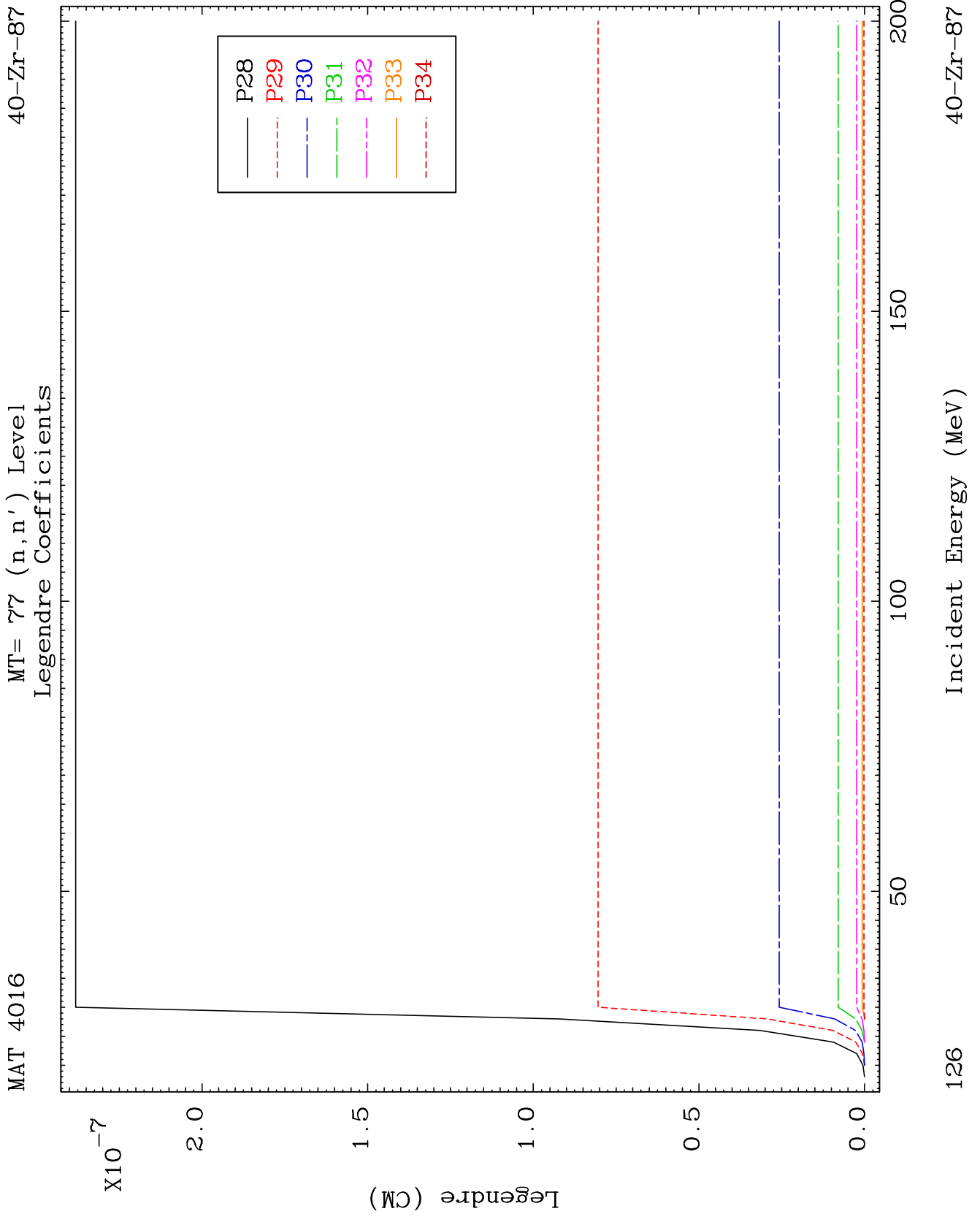


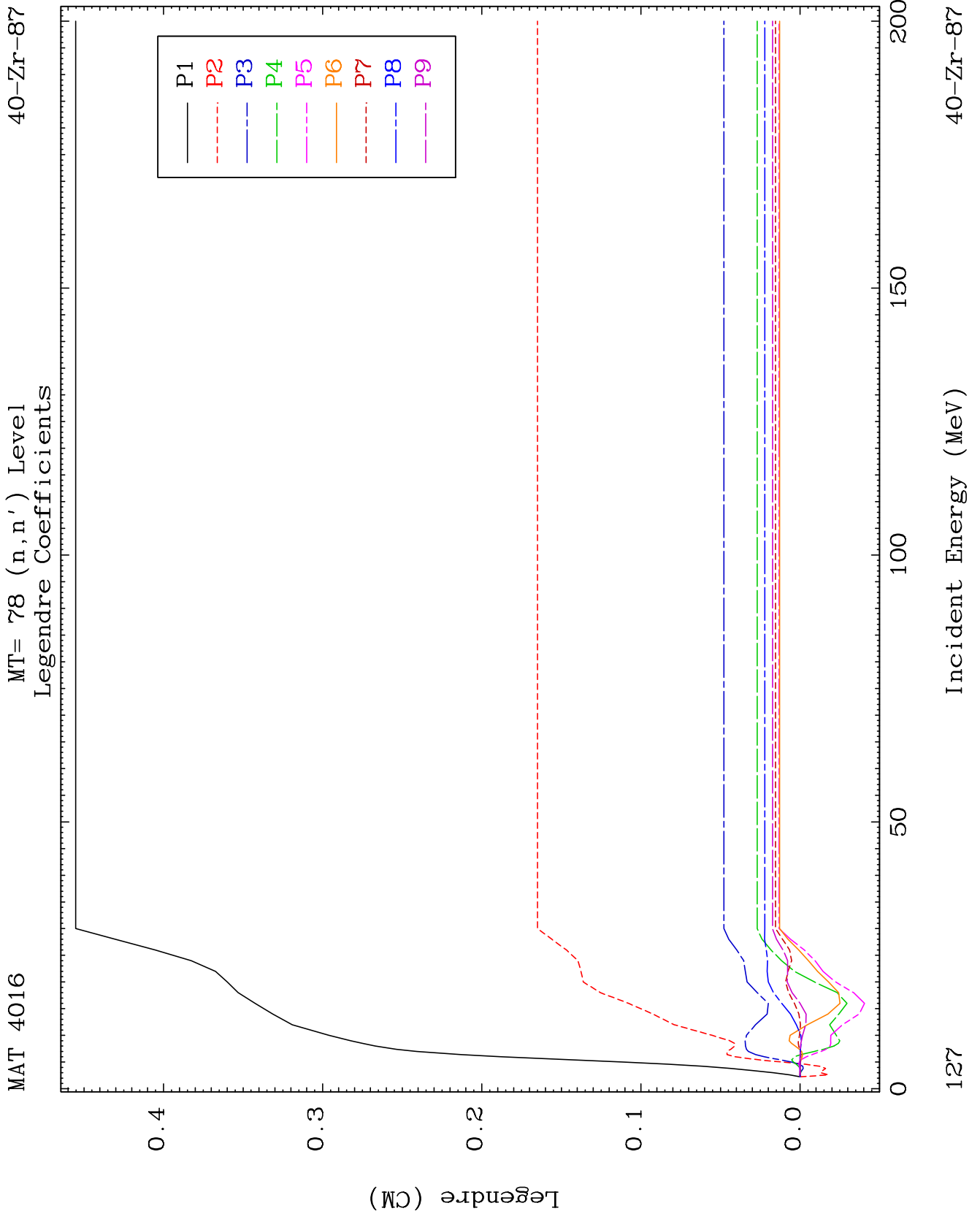


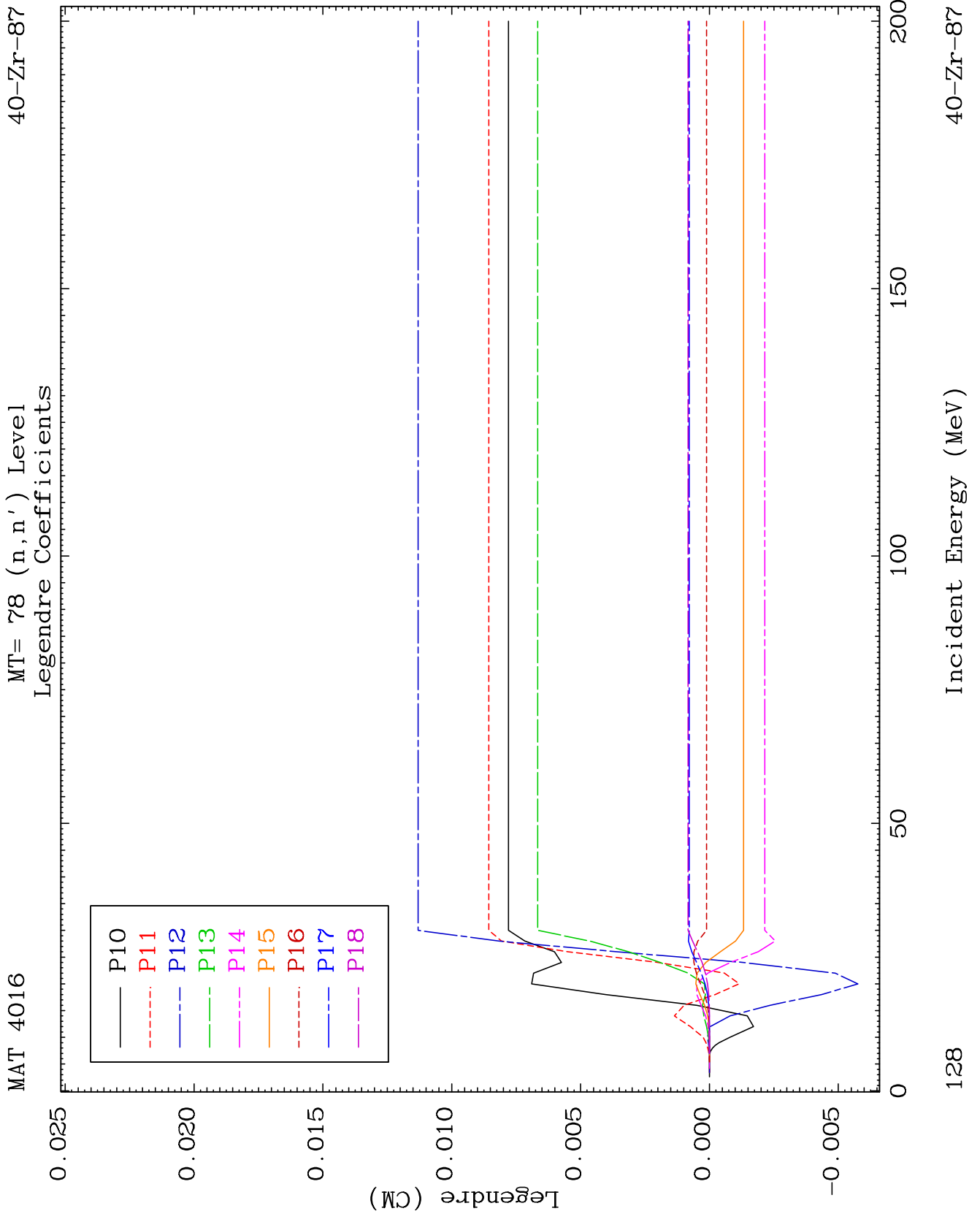


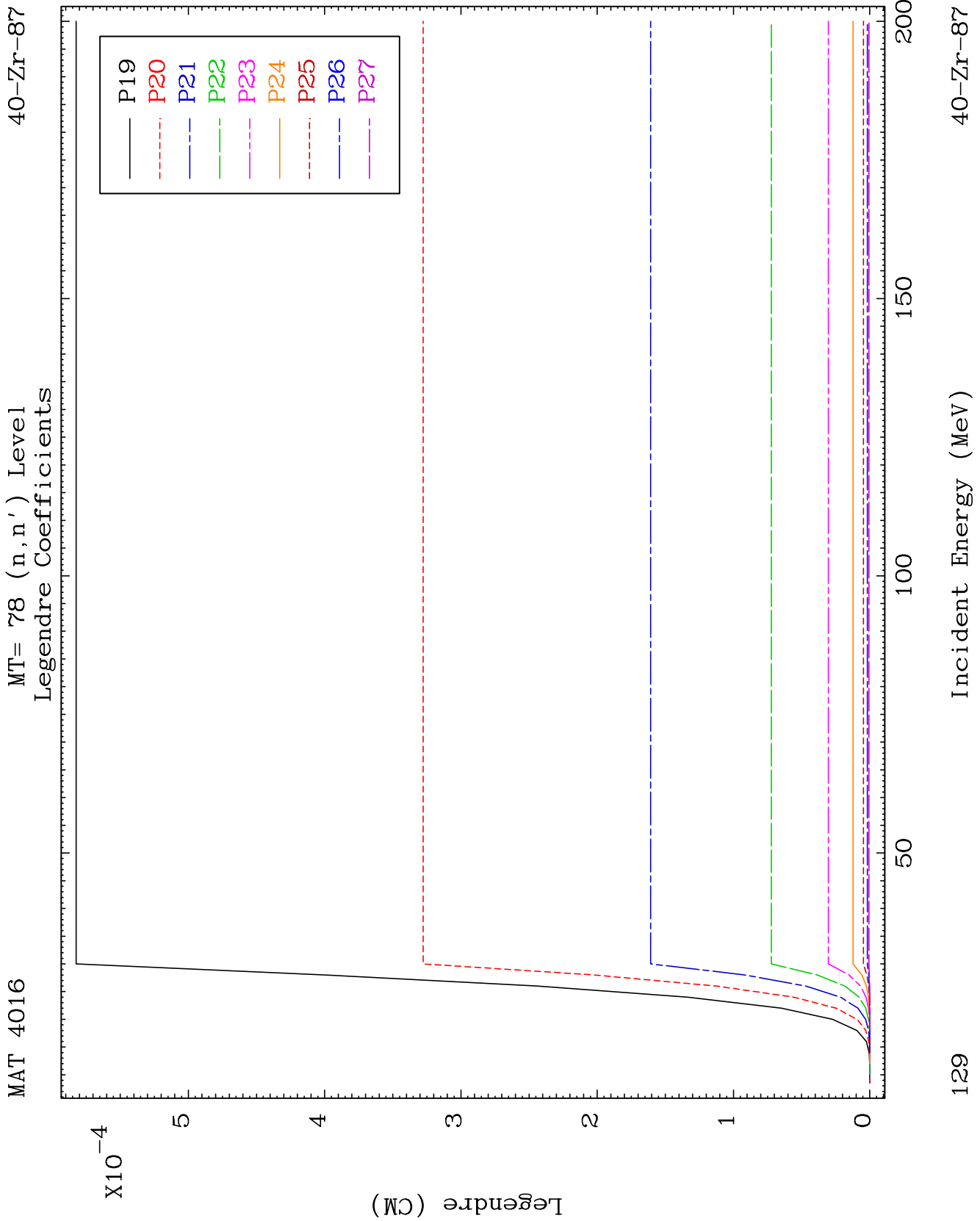


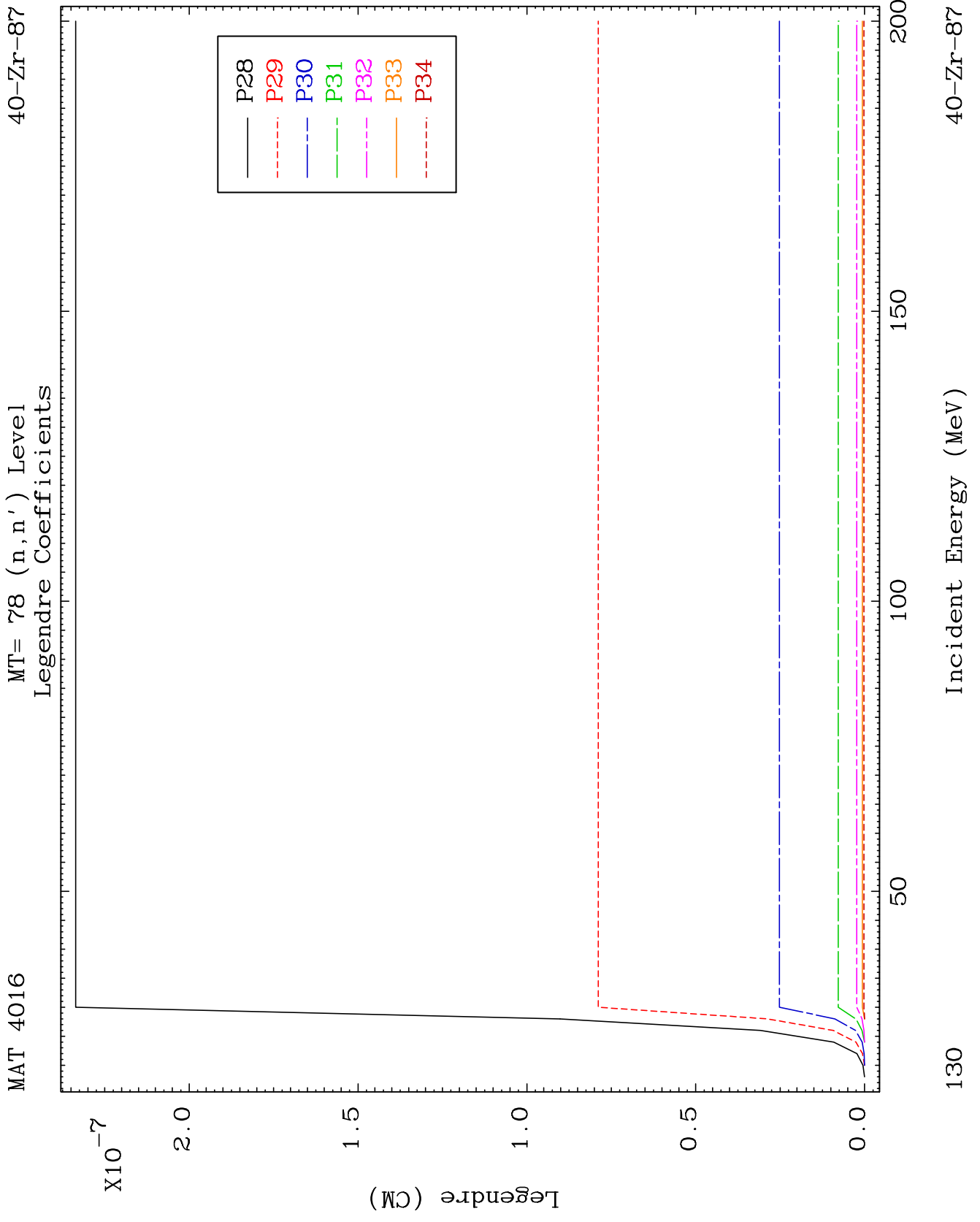




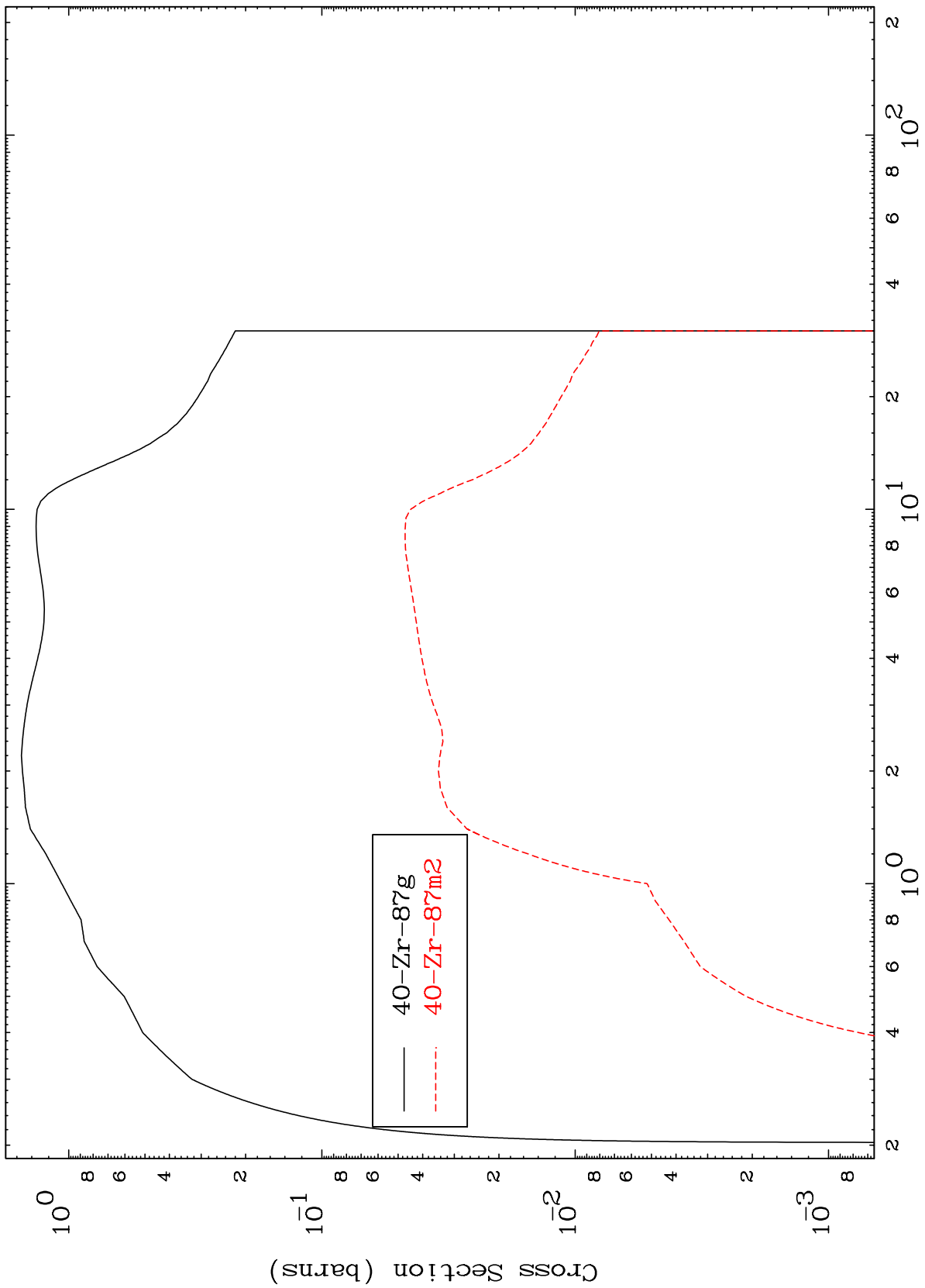








Inelastic
Radionuclide Production Cross Section

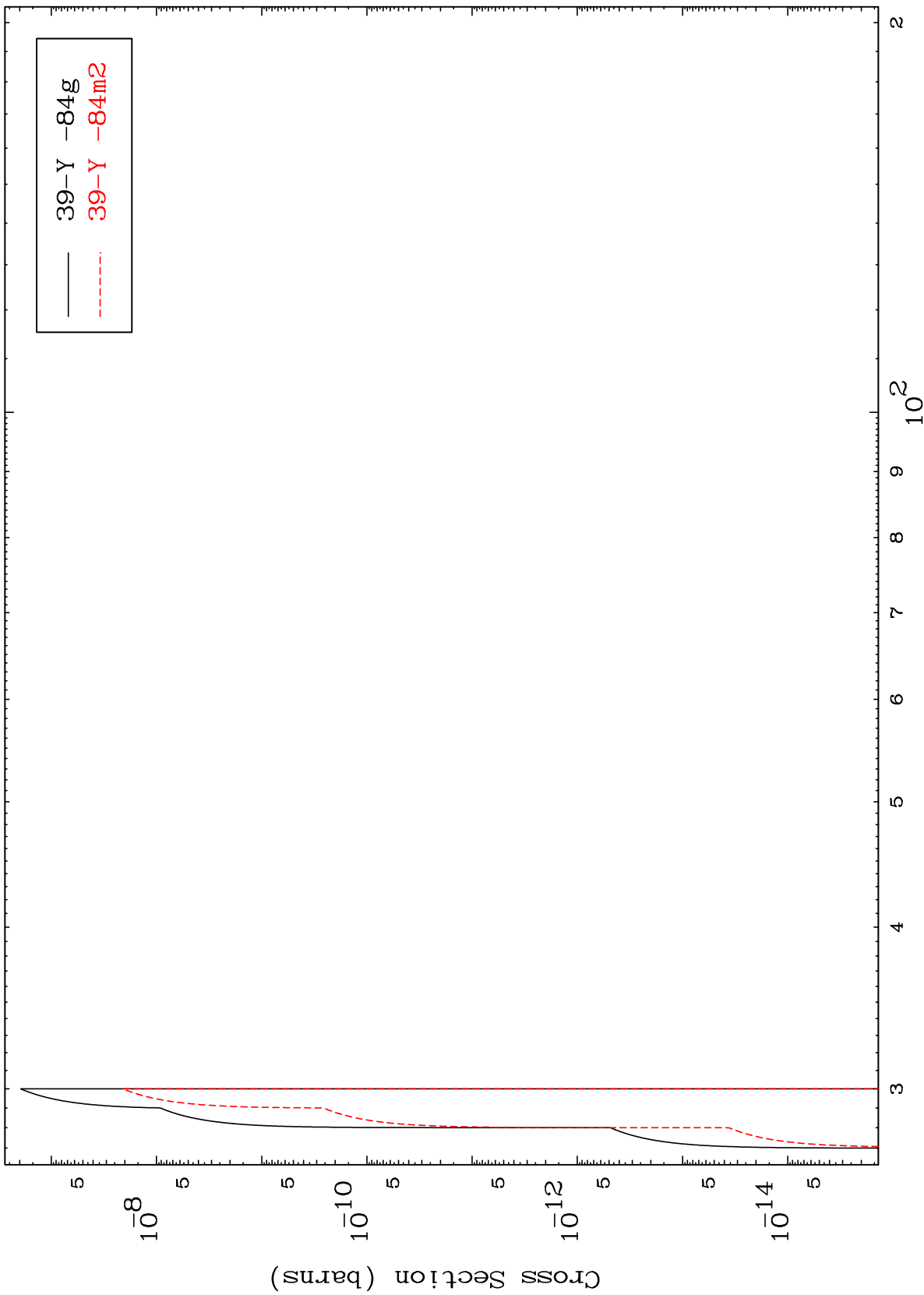


MAT 4016

(n,2n) d

40-Zr-87

Radionuclide Production Cross Section



132

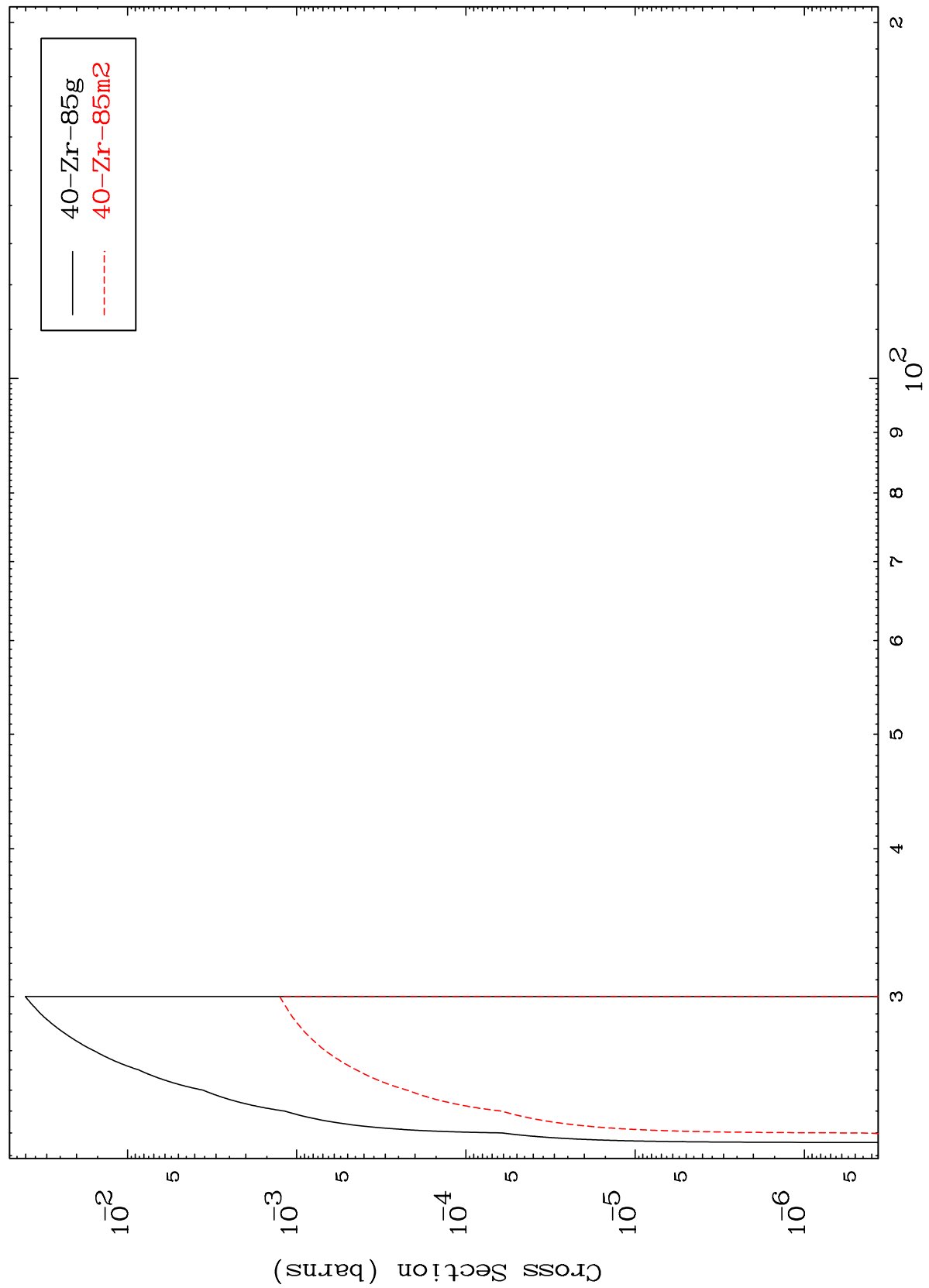
Incident Energy (MeV)

40-Zr-87

MAT 4016

40-Zr-87

(n,3n)
Radionuclide Production Cross Section



133

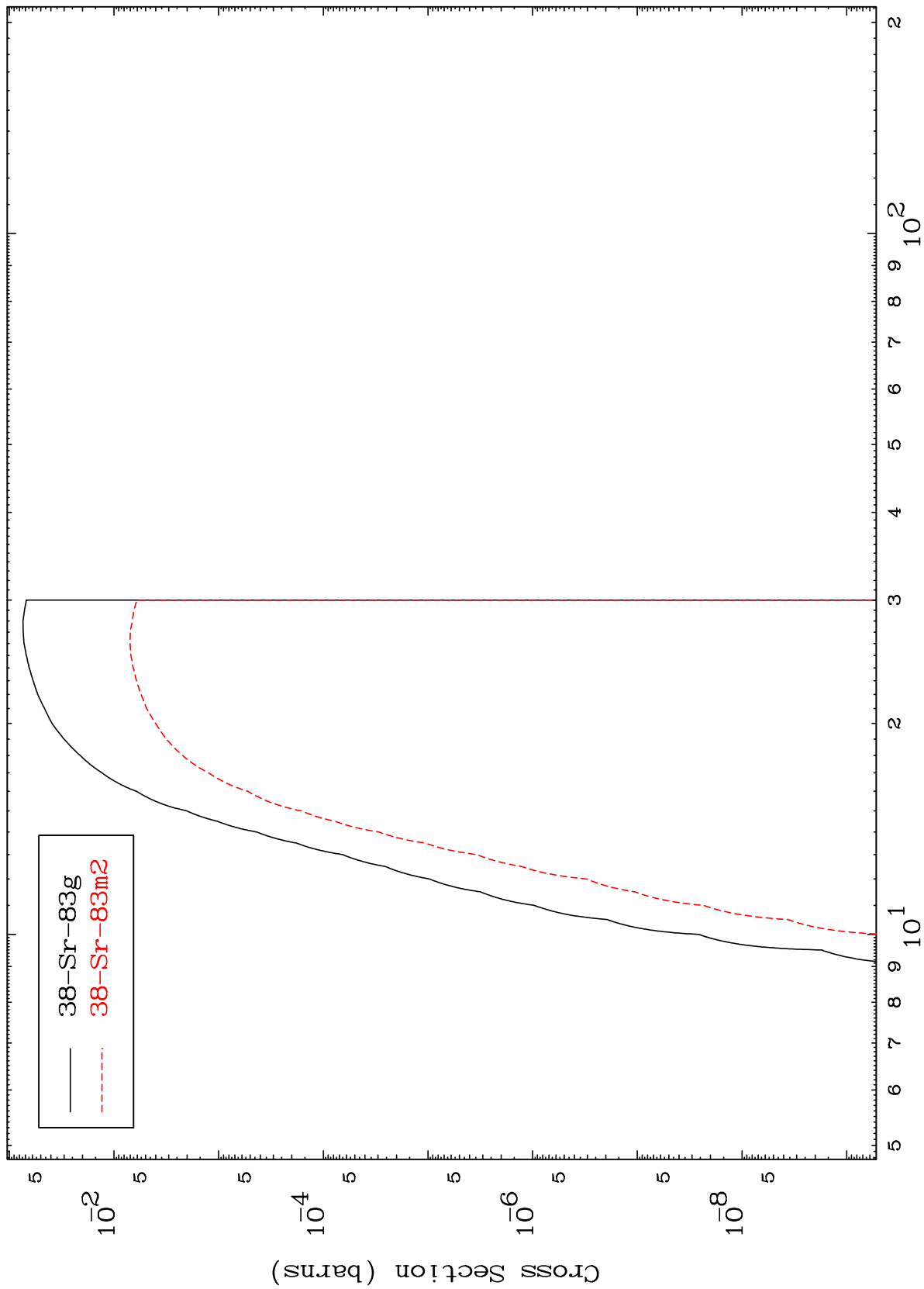
40-Zr-87

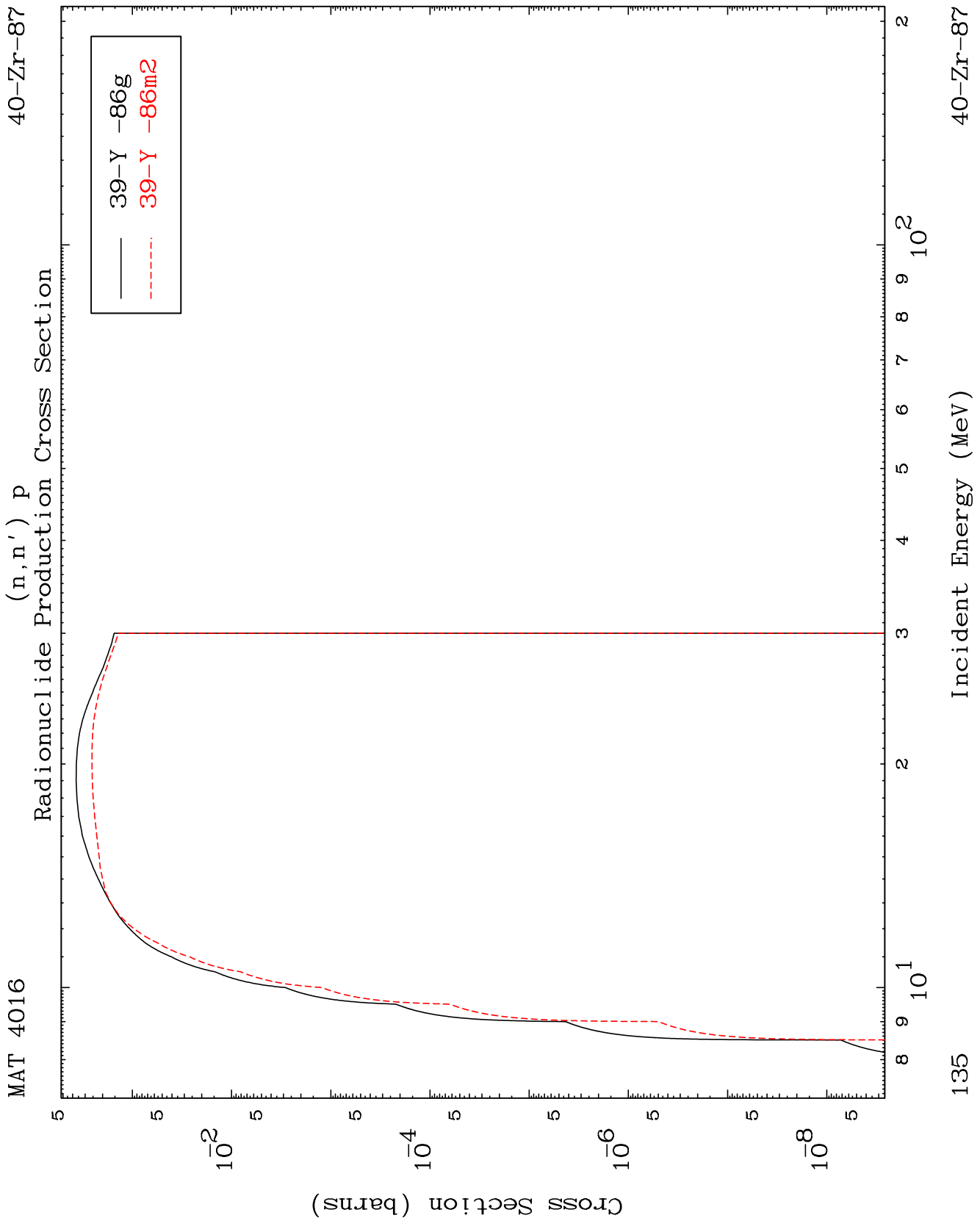
MAT 4016

(n,n') α

40-Zr-87

Radionuclide Production Cross Section



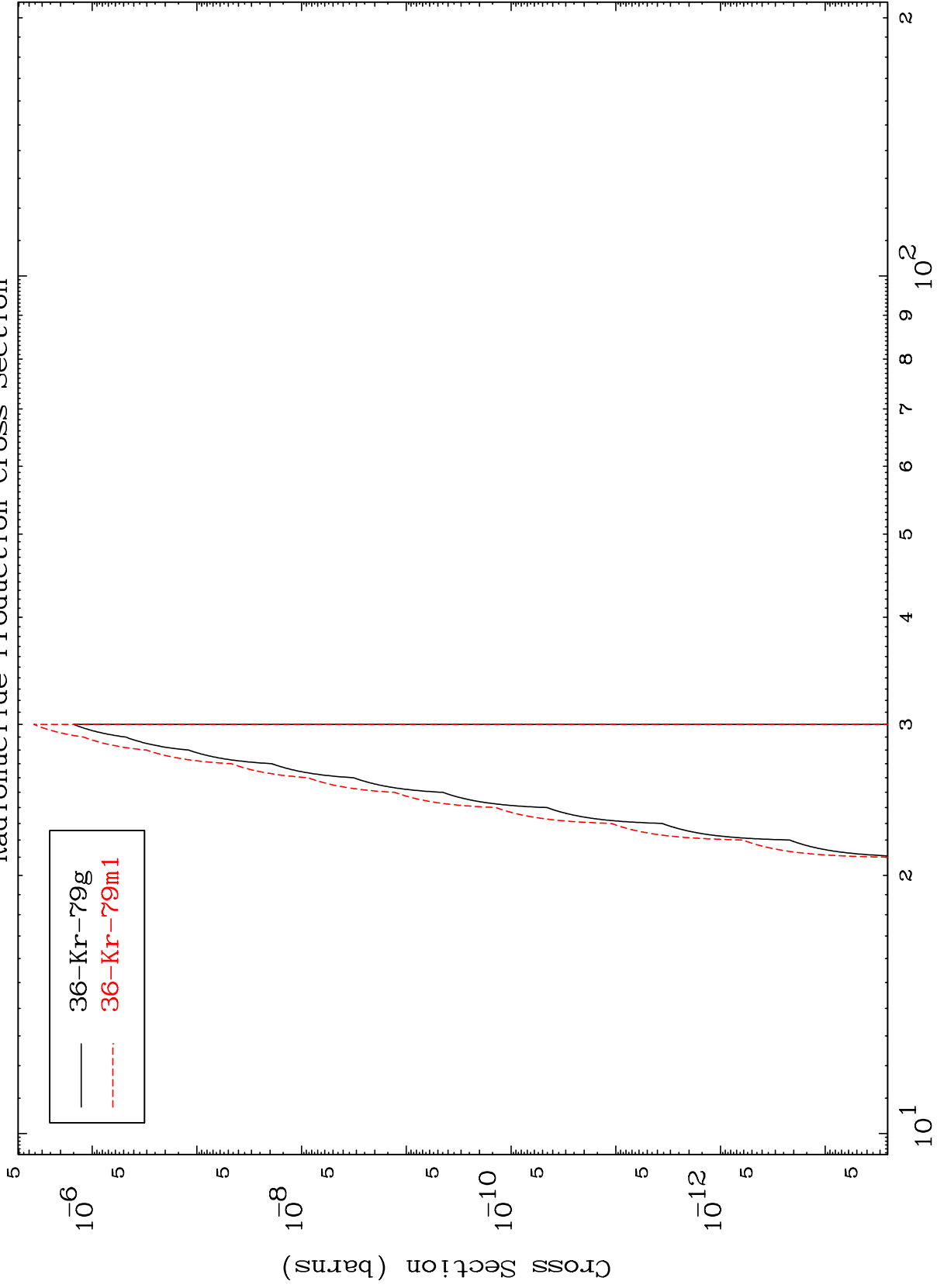


MAT 4016

(n,n') 2α

40-Zr-87

Radionuclide Production Cross Section



Incident Energy (MeV)

40-Zr-87

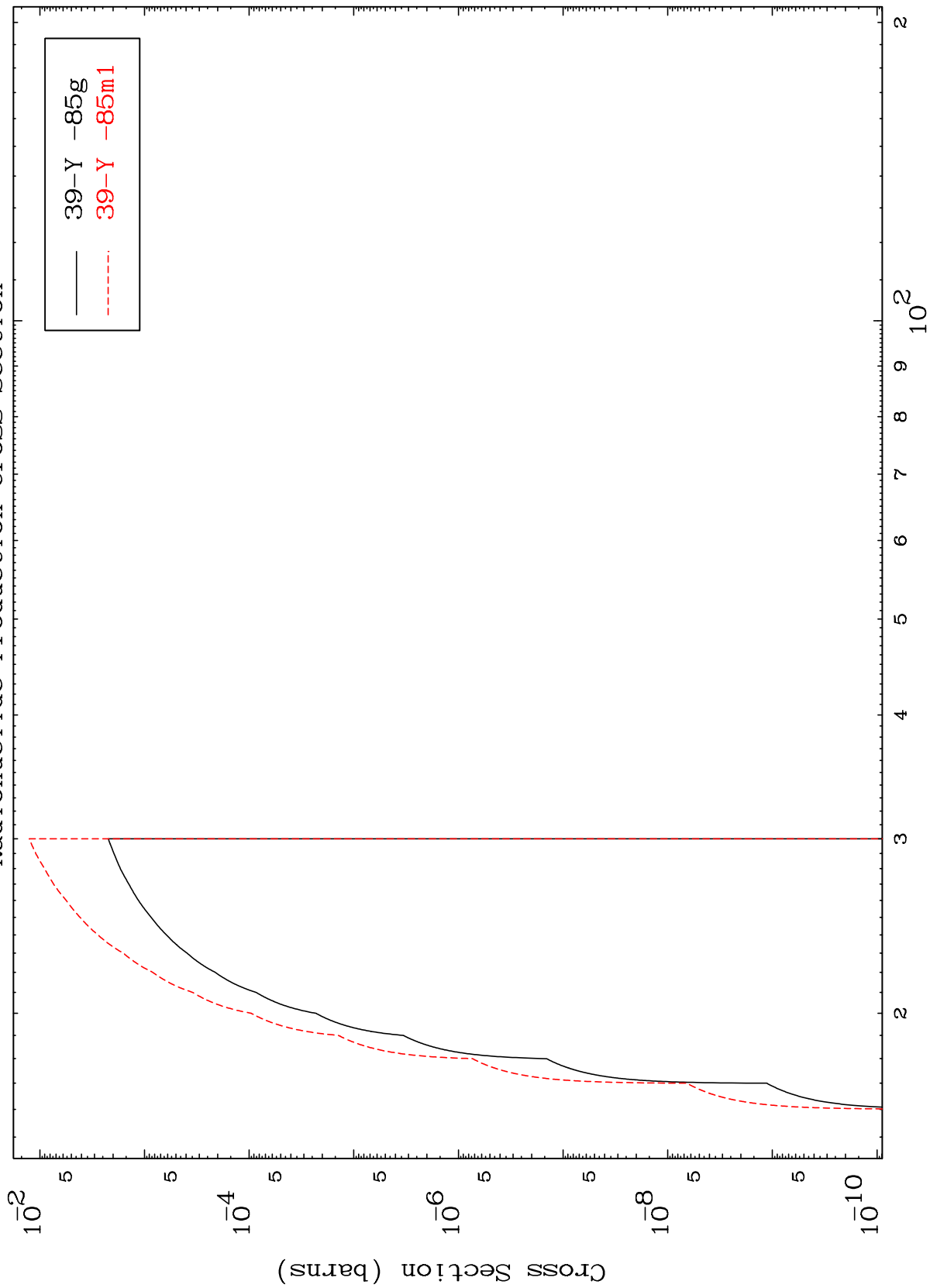
136

MAT 4016

(n,n') d

40-Zr-87

Radionuclide Production Cross Section



137

Incident Energy (MeV)

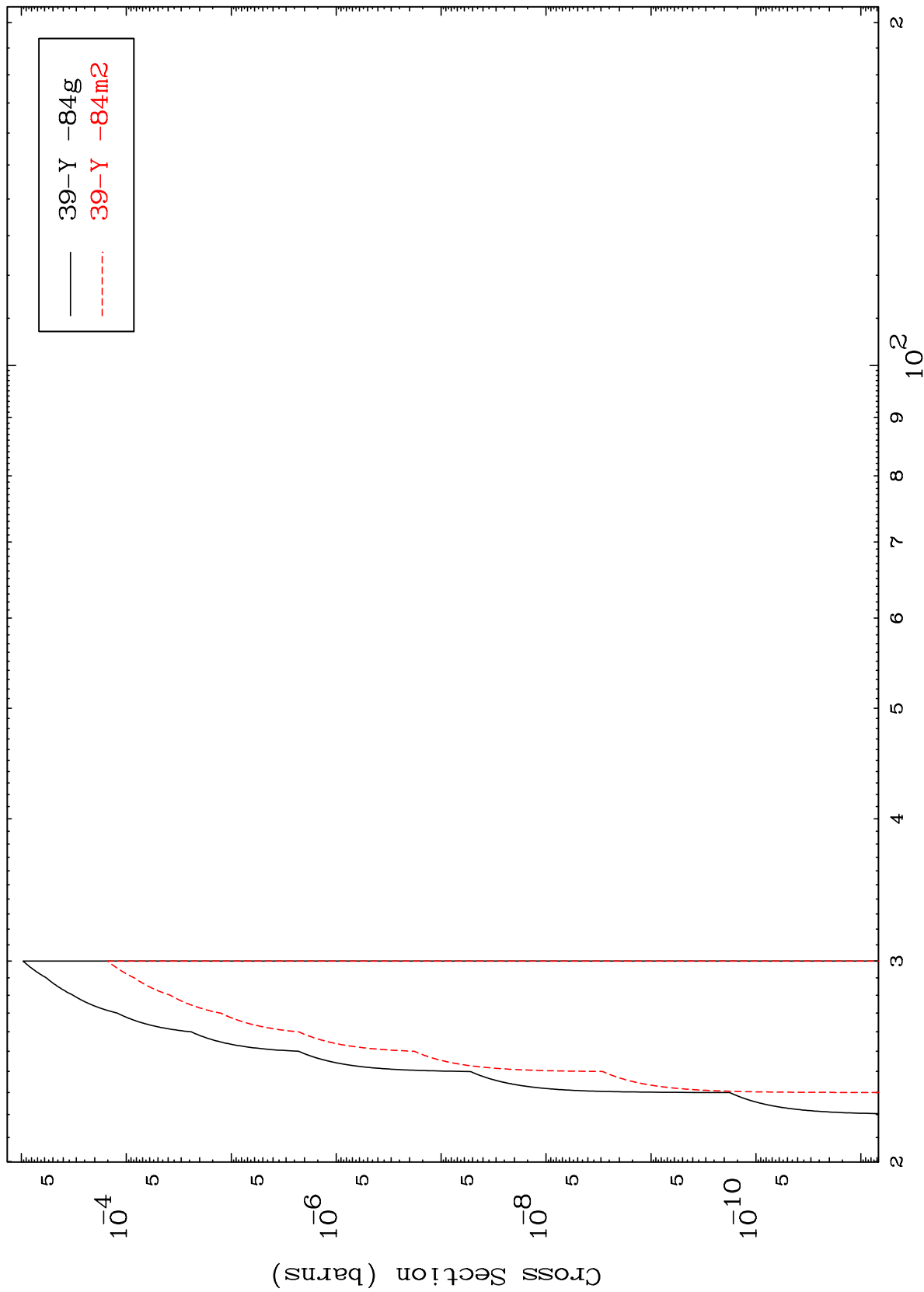
40-Zr-87

MAT 4016

(n,n') t

40-Zr-87

Radionuclide Production Cross Section

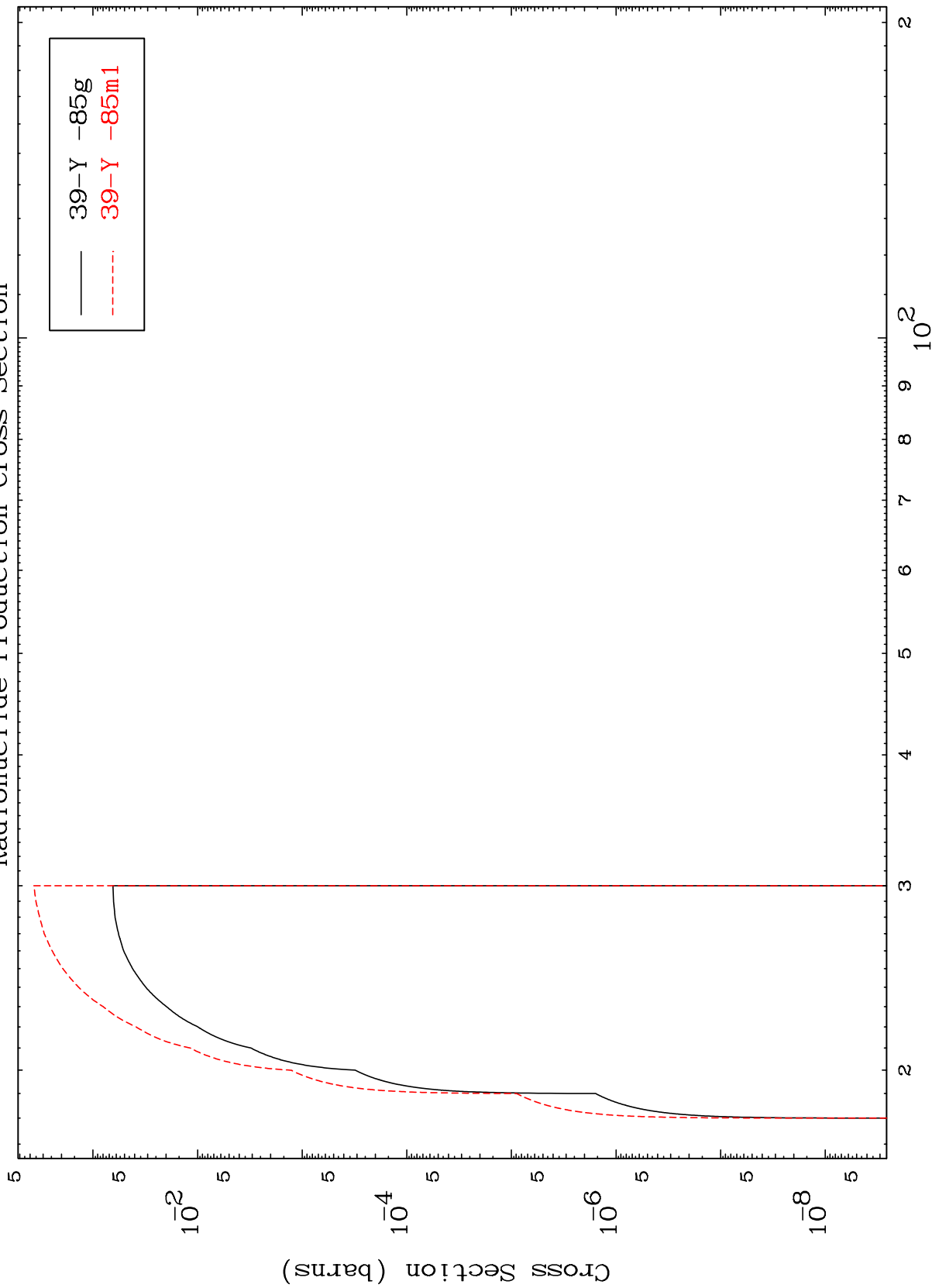


138

Incident Energy (MeV)

40-Zr-87

Radionuclide Production Cross Section

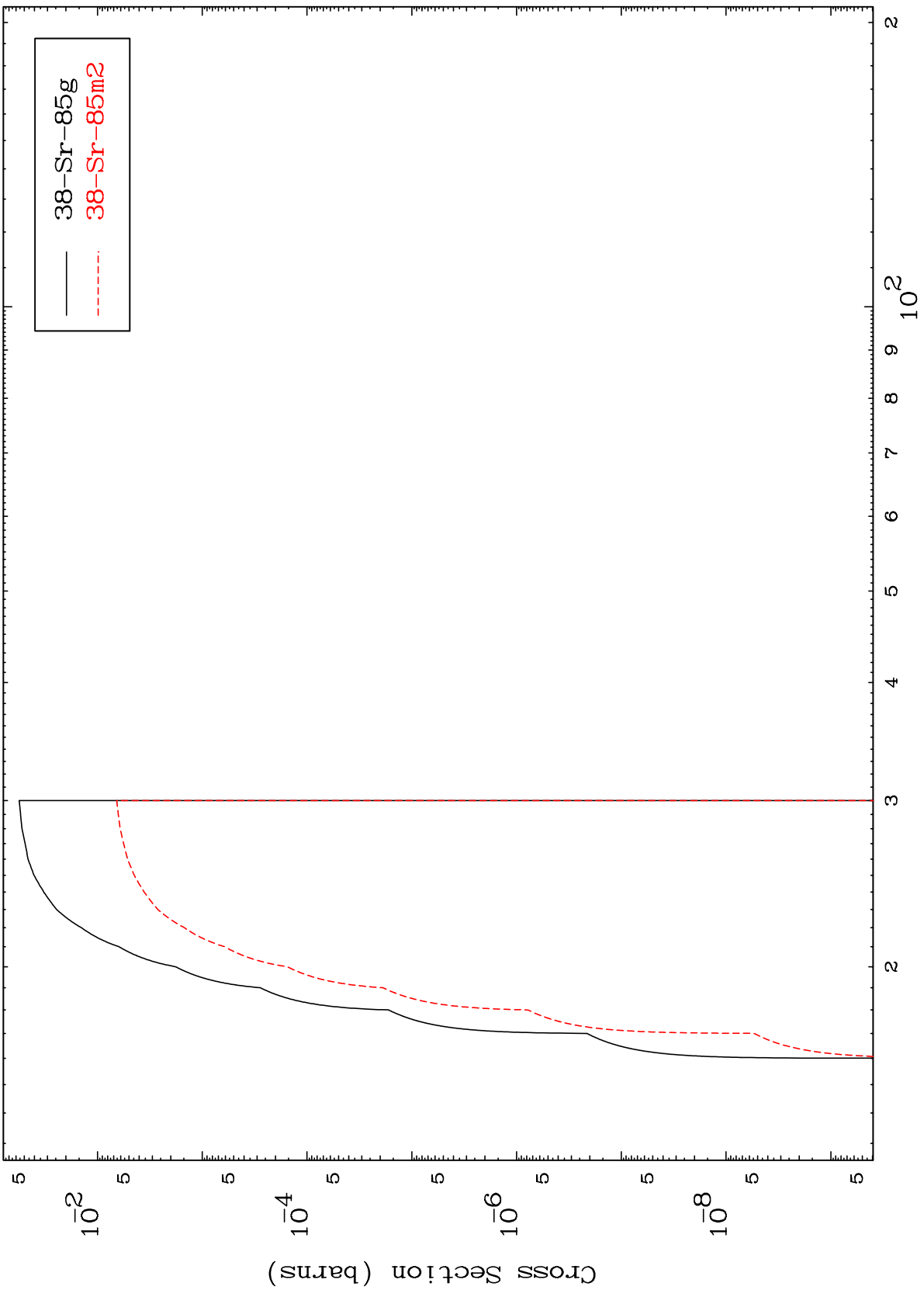


MAT 4016

(n,2n) p

40-Zr-87

Radionuclide Production Cross Section



140

Incident Energy (MeV)

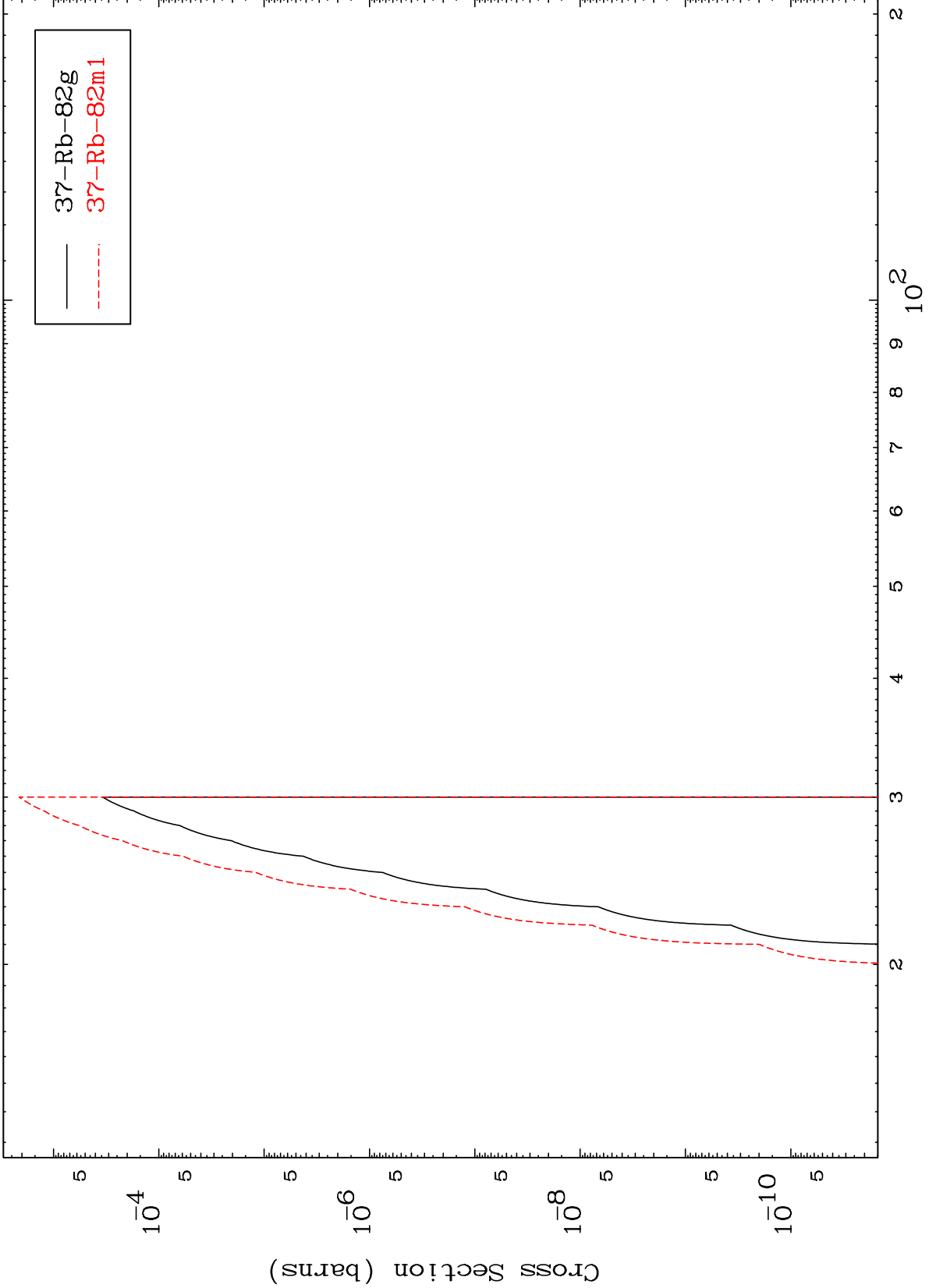
40-Zr-87

MAT 4016

(n,n') p α

40-Zr-87

Radionuclide Production Cross Section



141

Incident Energy (MeV)

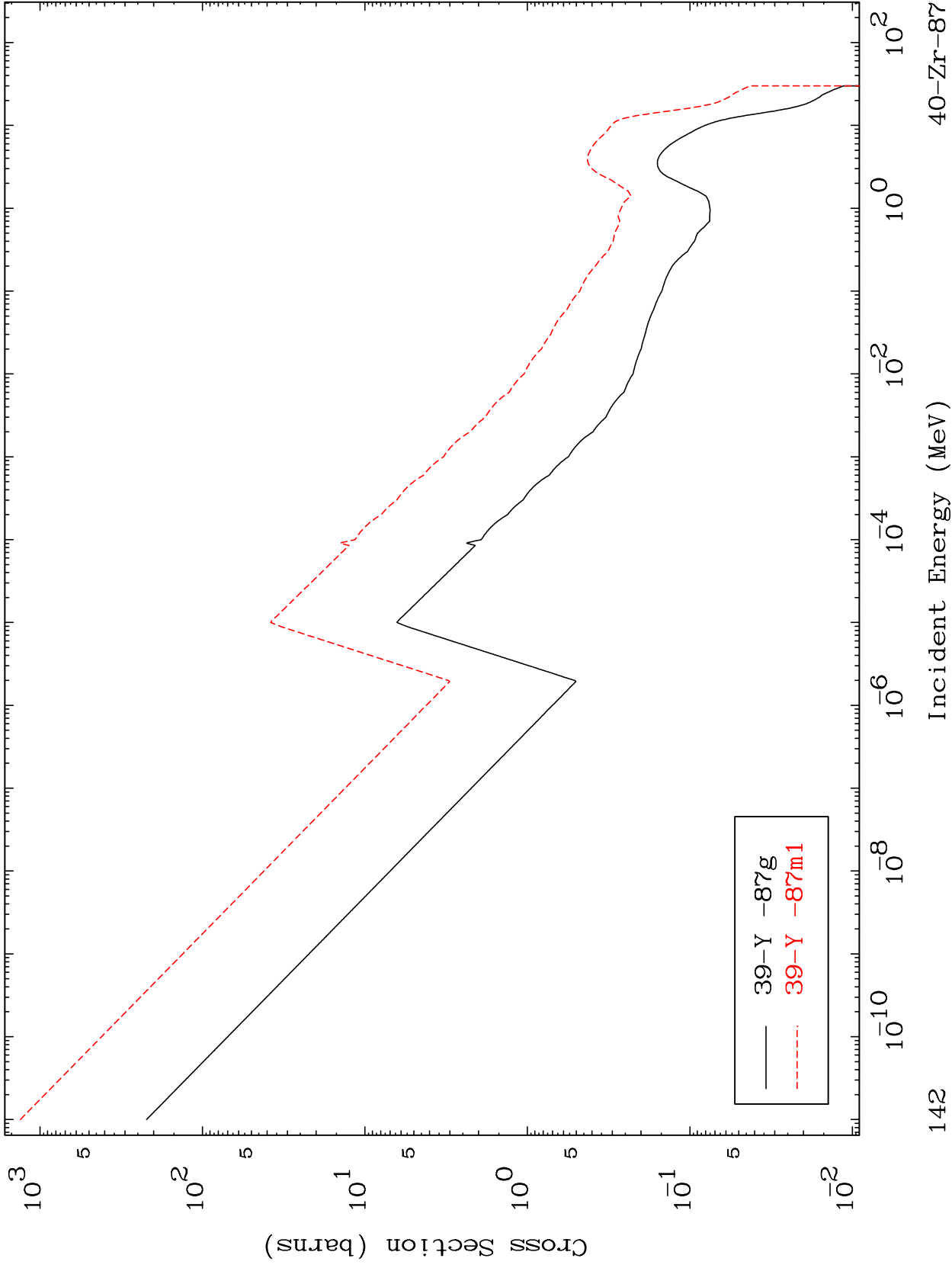
40-Zr-87

MAT 4016

(n,p)

40-Zr-87

Radionuclide Production Cross Section



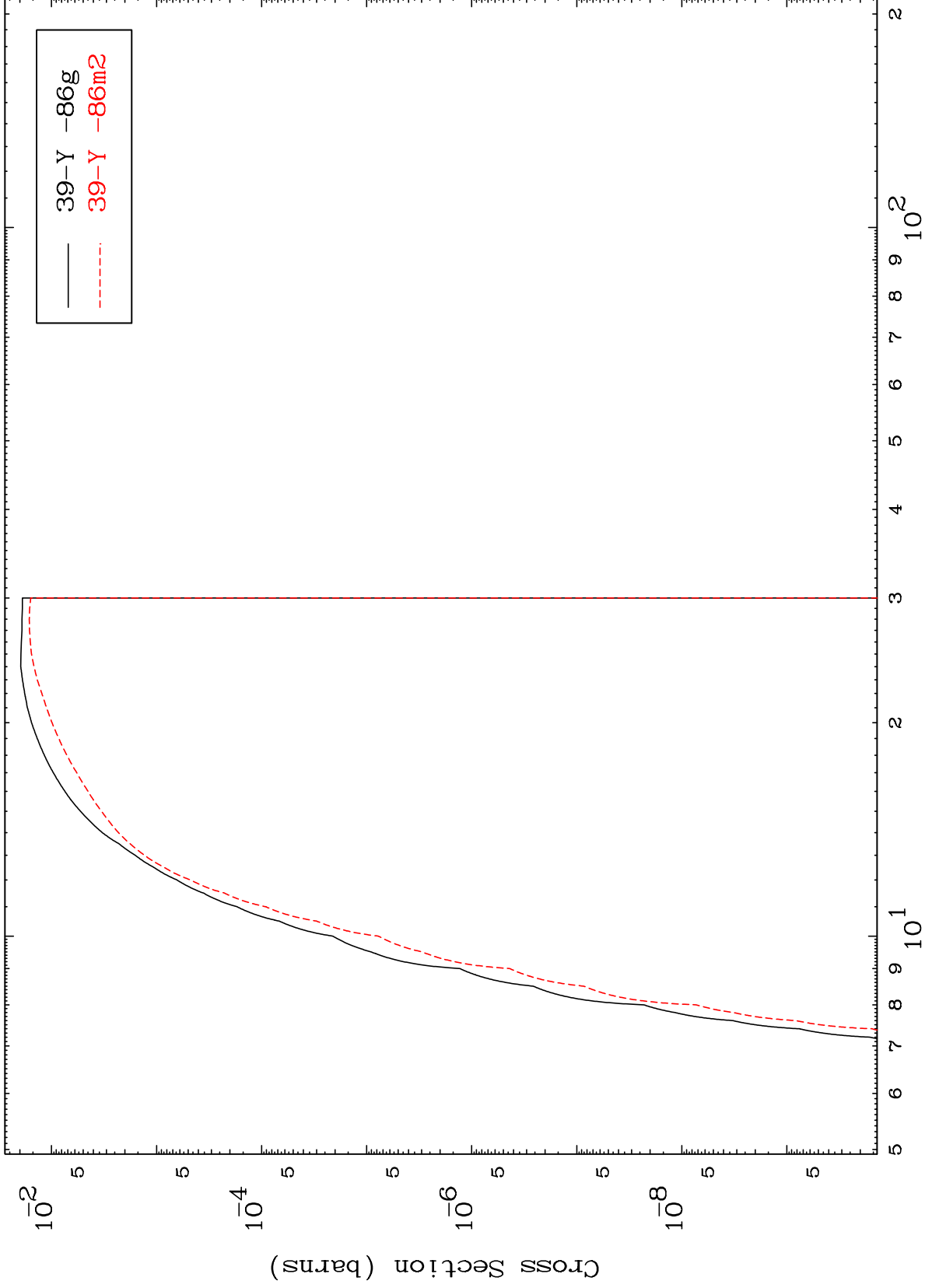
142

MAT 4016

(n,d)

40-Zr-87

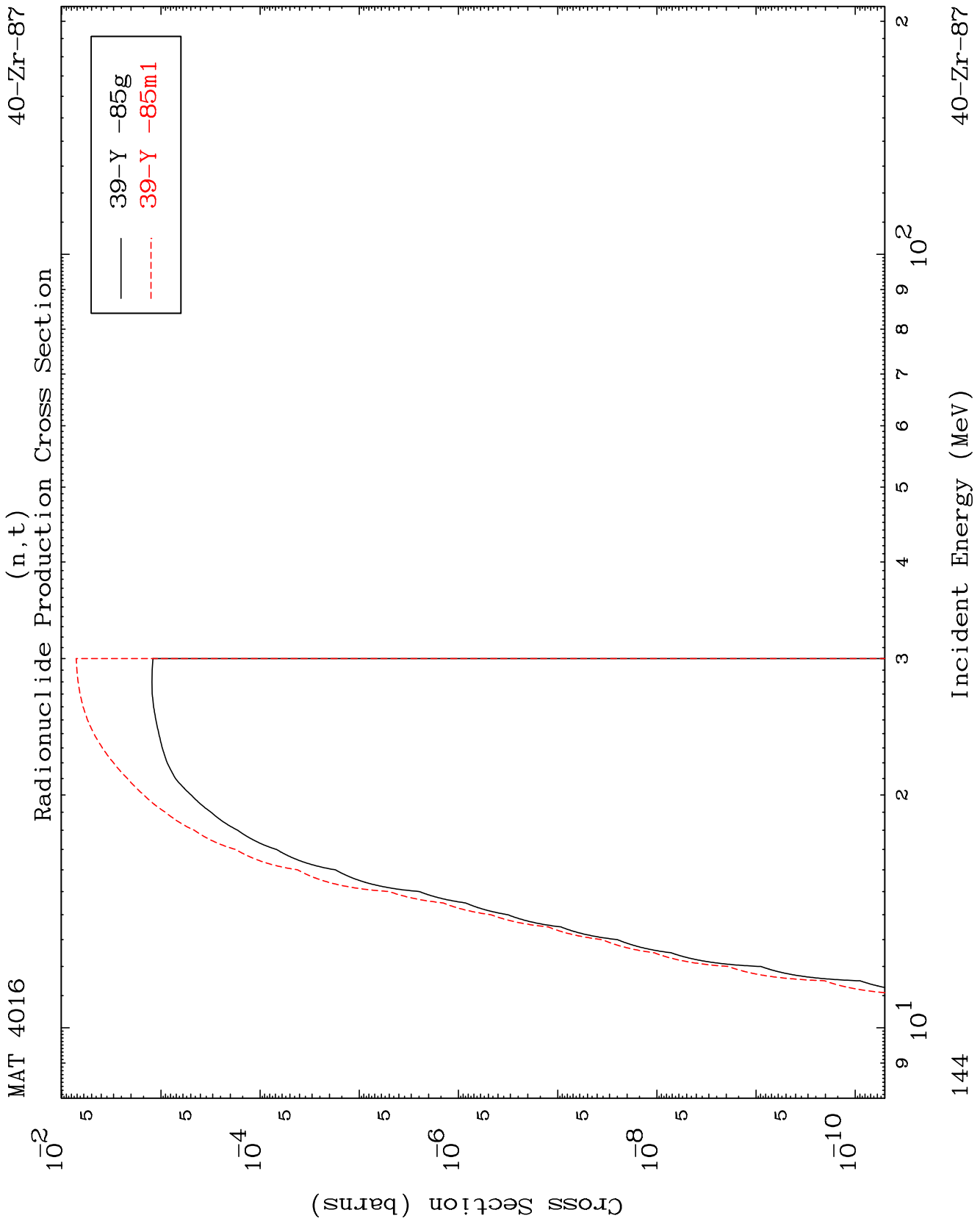
Radionuclide Production Cross Section



143

Incident Energy (MeV)

40-Zr-87

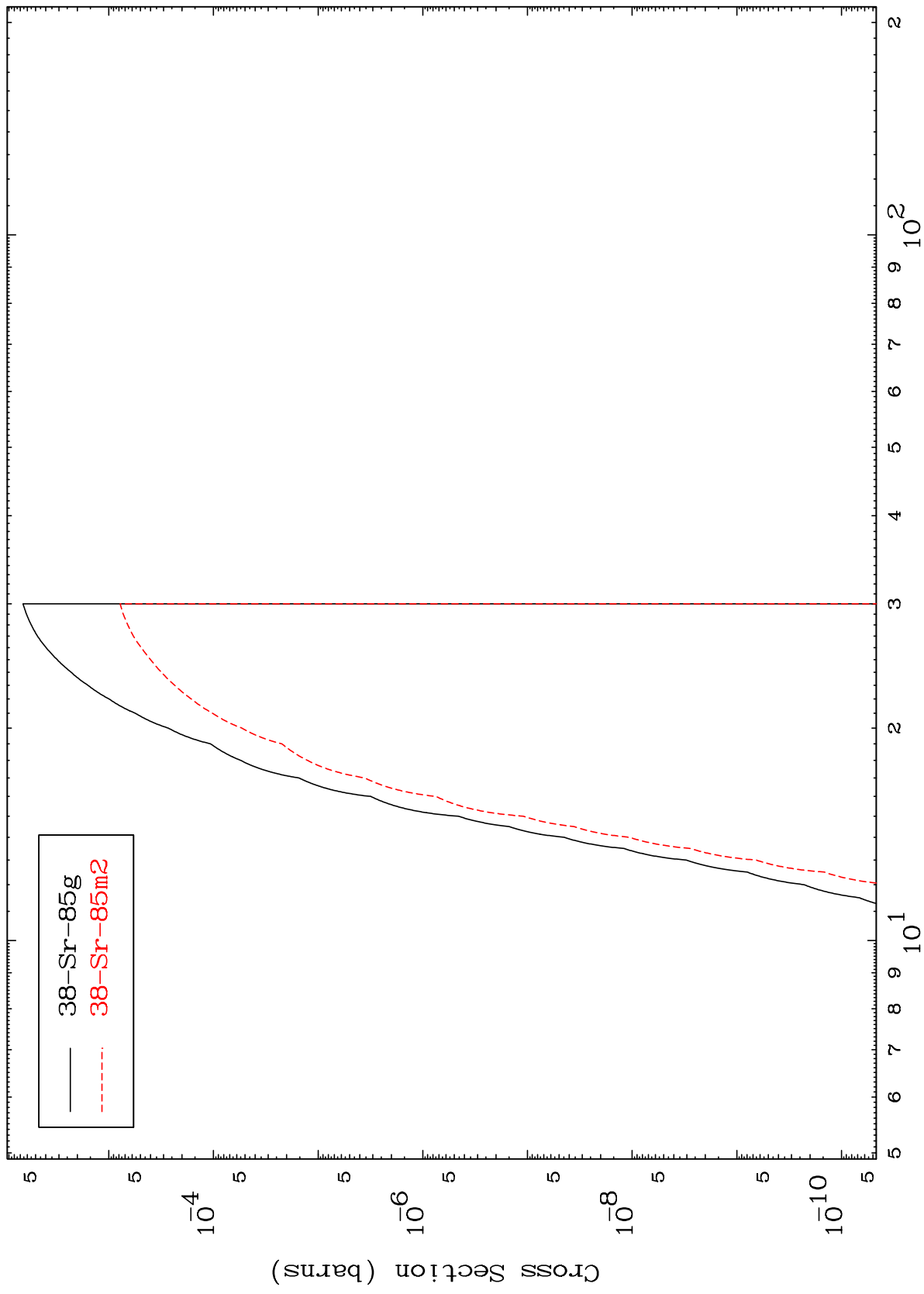


MAT 4016

(n,He-3)

40-Zr-87

Radionuclide Production Cross Section



145

Incident Energy (MeV)

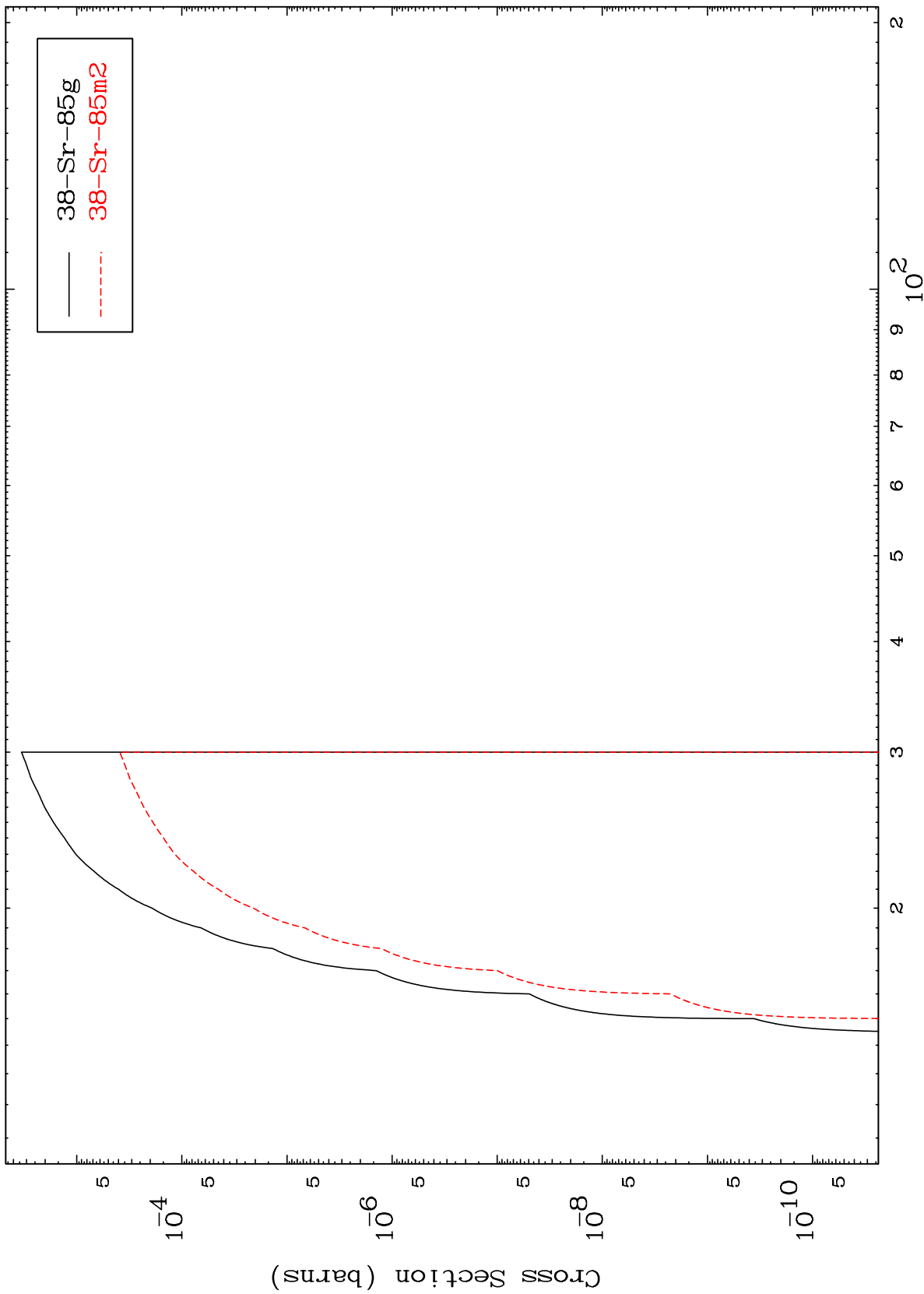
40-Zr-87

MAT 4016

(n,p) d

40-Zr-87

Radionuclide Production Cross Section



146

Incident Energy (MeV)

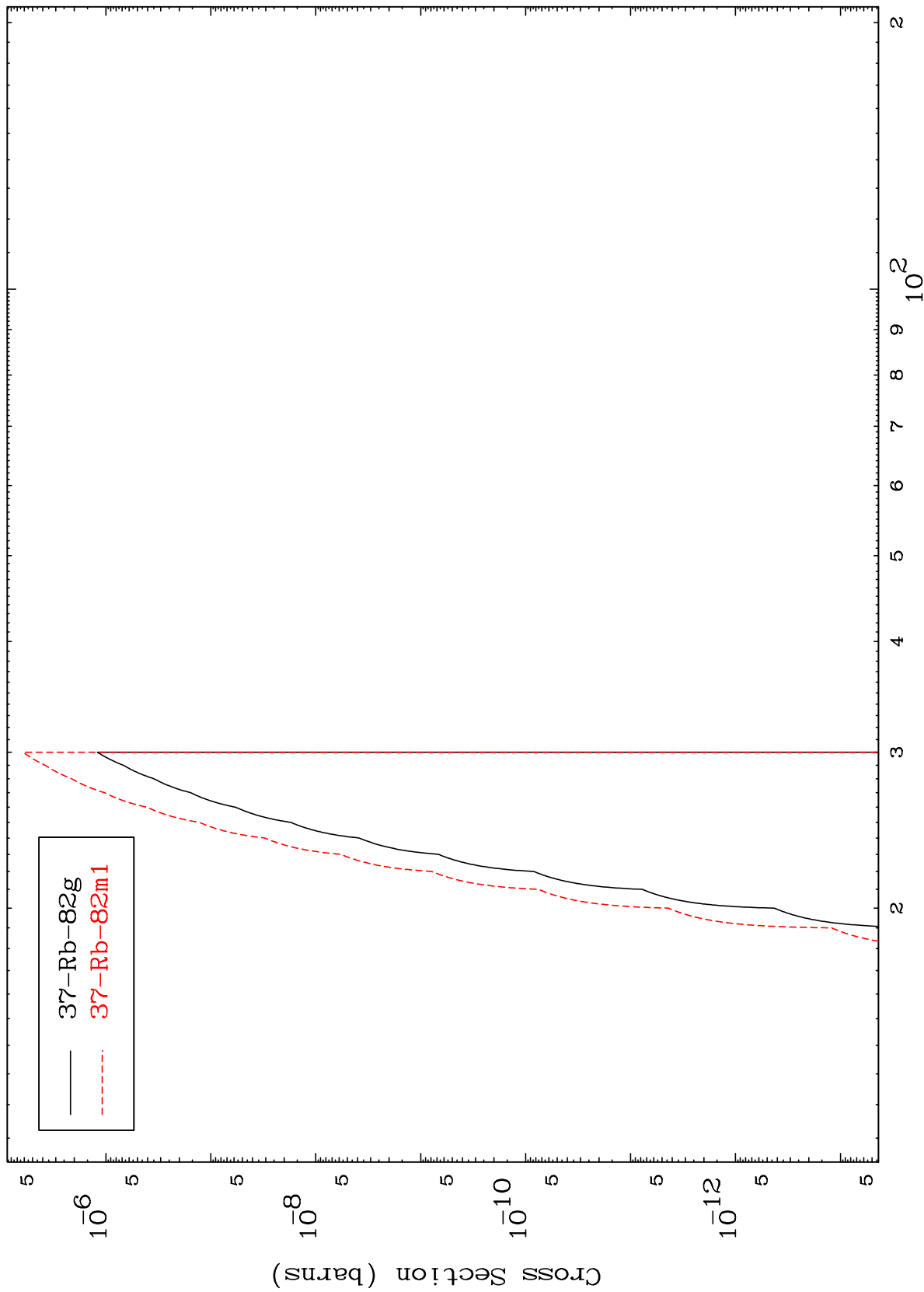
40-Zr-87

MAT 4016

(n,d) α

40-Zr-87

Radionuclide Production Cross Section



Incident Energy (MeV)

40-Zr-87

147