

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

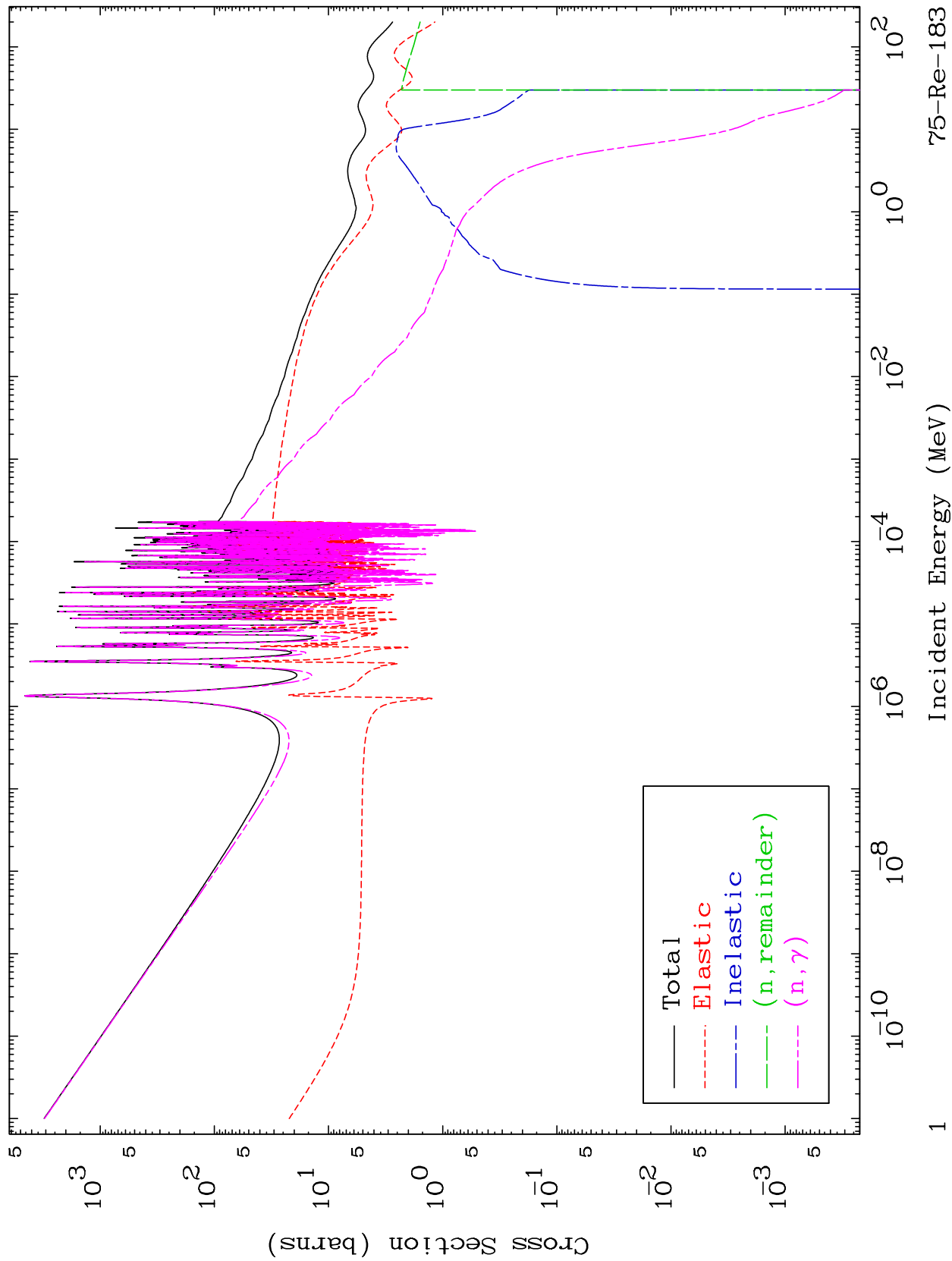
Press Mouse Button to Start

MAT 7519

Major

75-Re-183

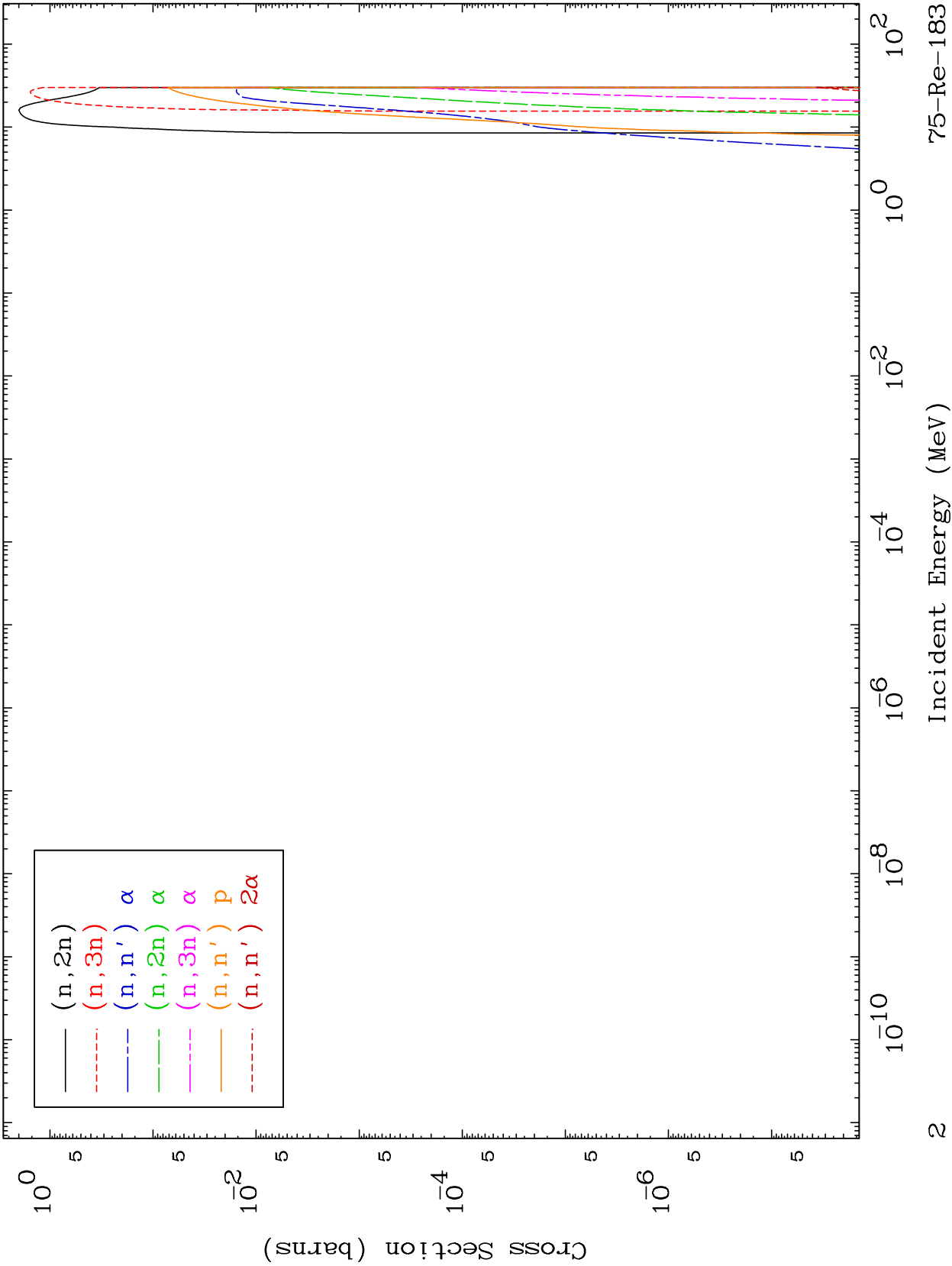
293 Kelvin Cross Sections

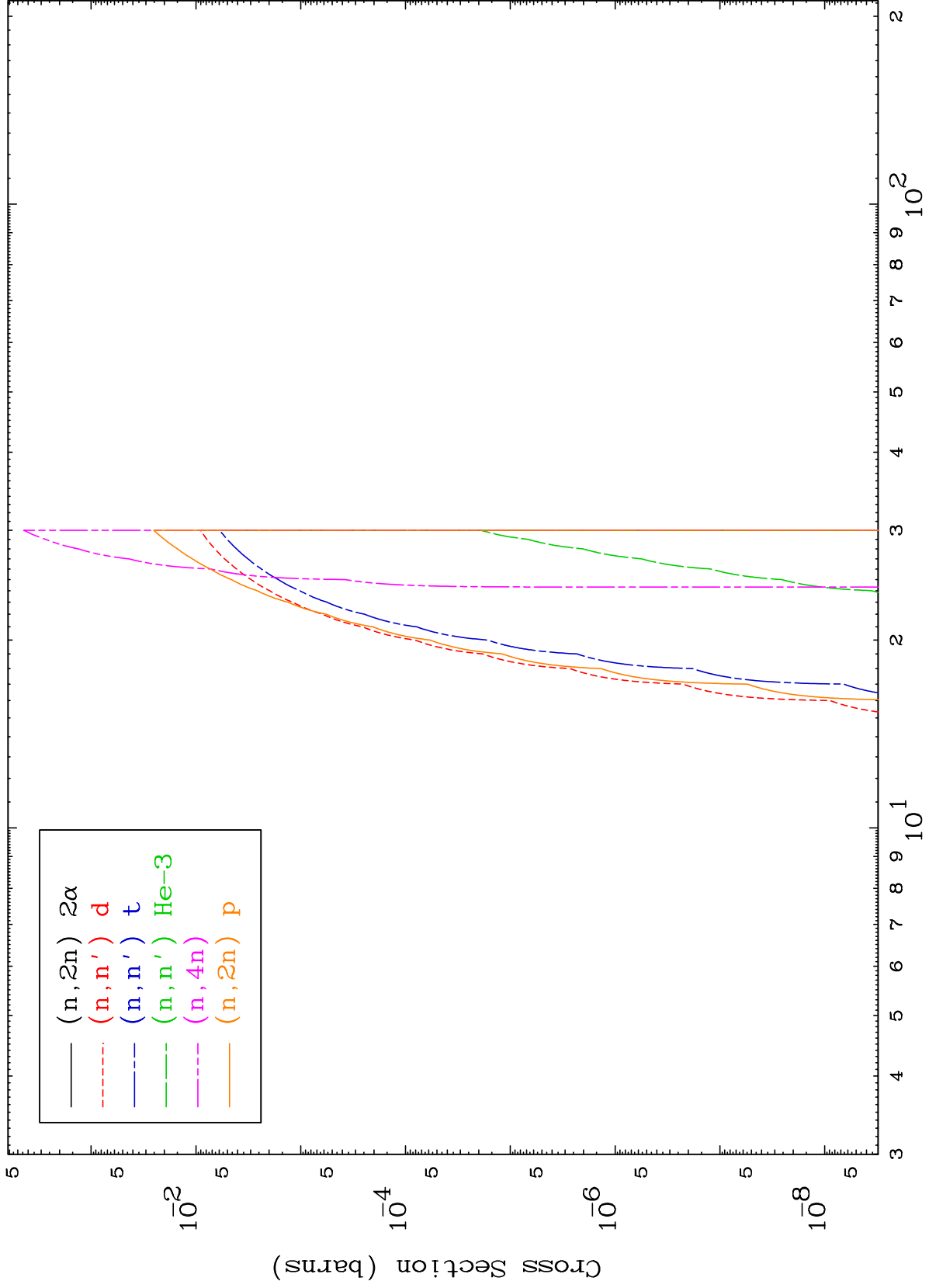


MAT 7519

Neutron Production
293 Kelvin Cross Sections

75-Re-183

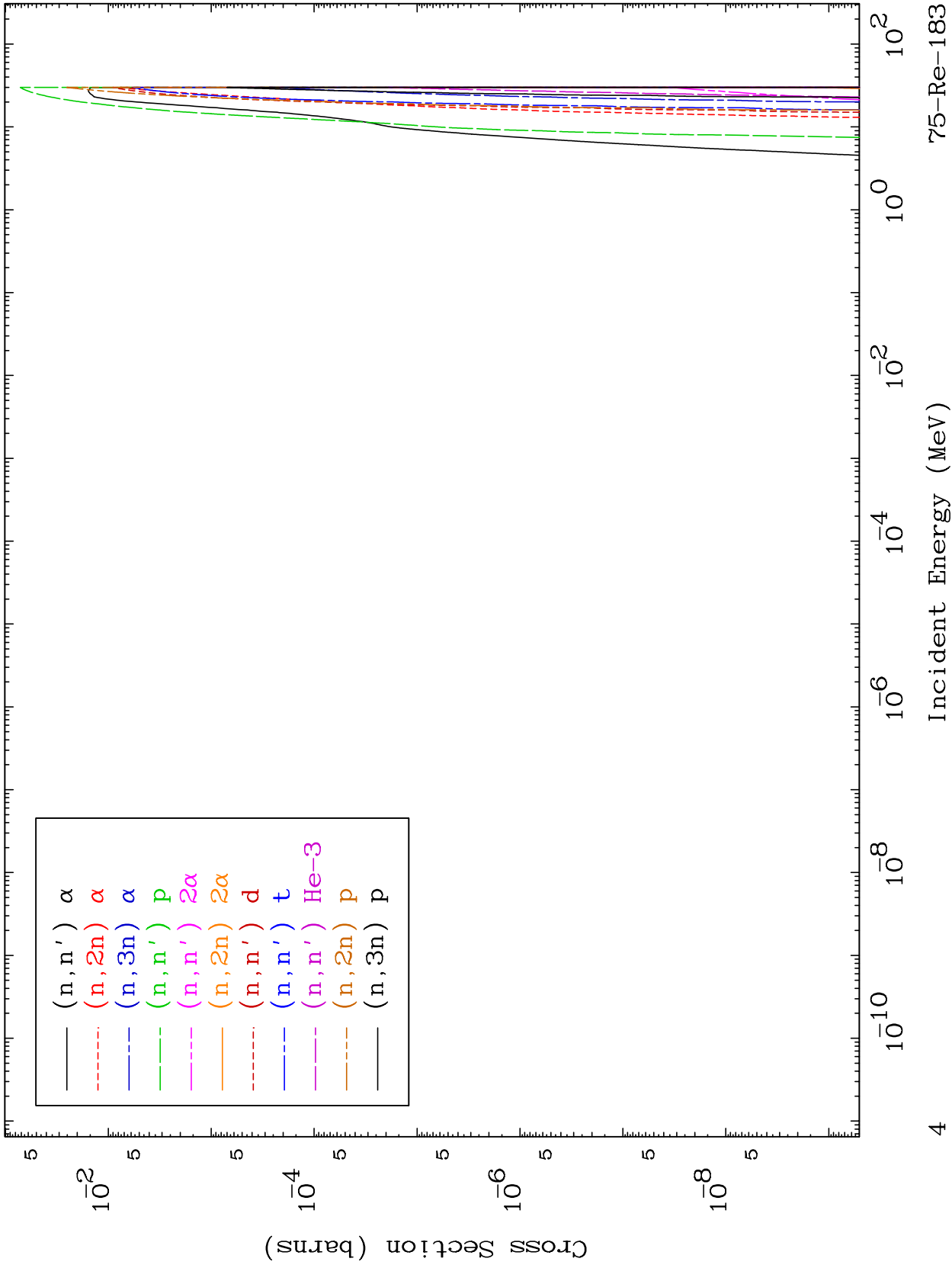




MAT 7519

Charged Particle
293 Kelvin Cross Sections

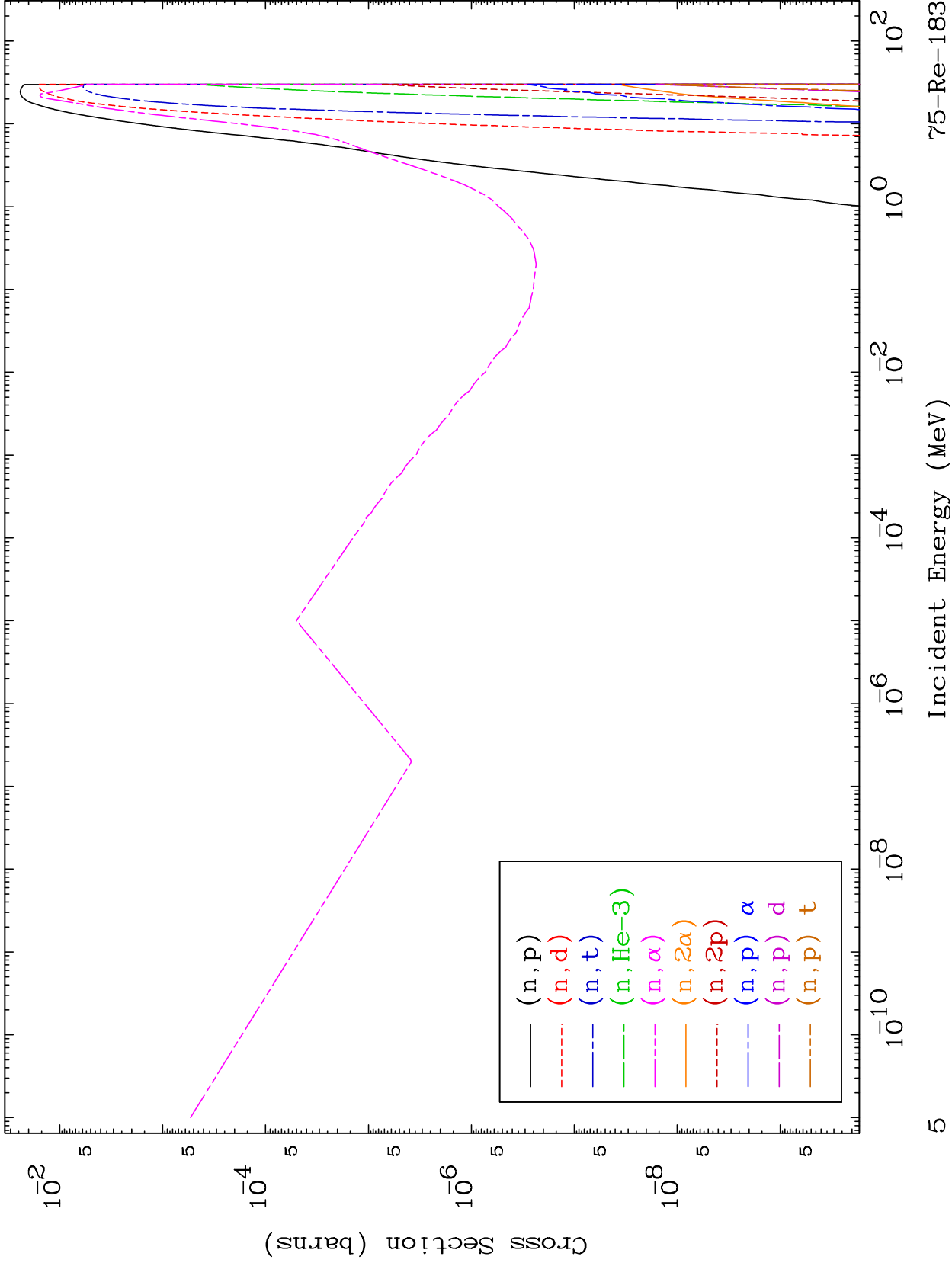
75-Re-183

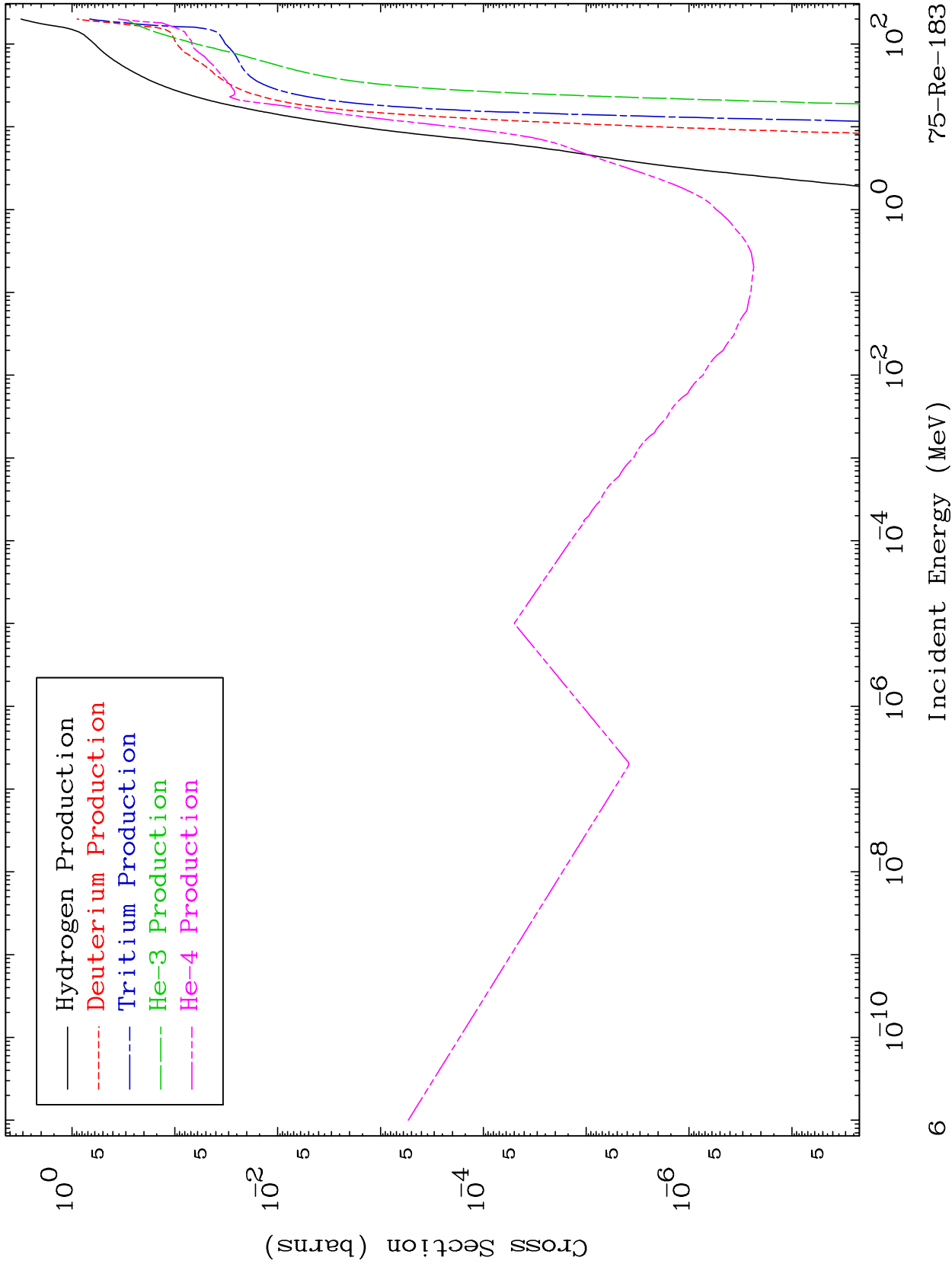


MAT 7519

Charged Particle
293 Kelvin Cross Sections

75-Re-183

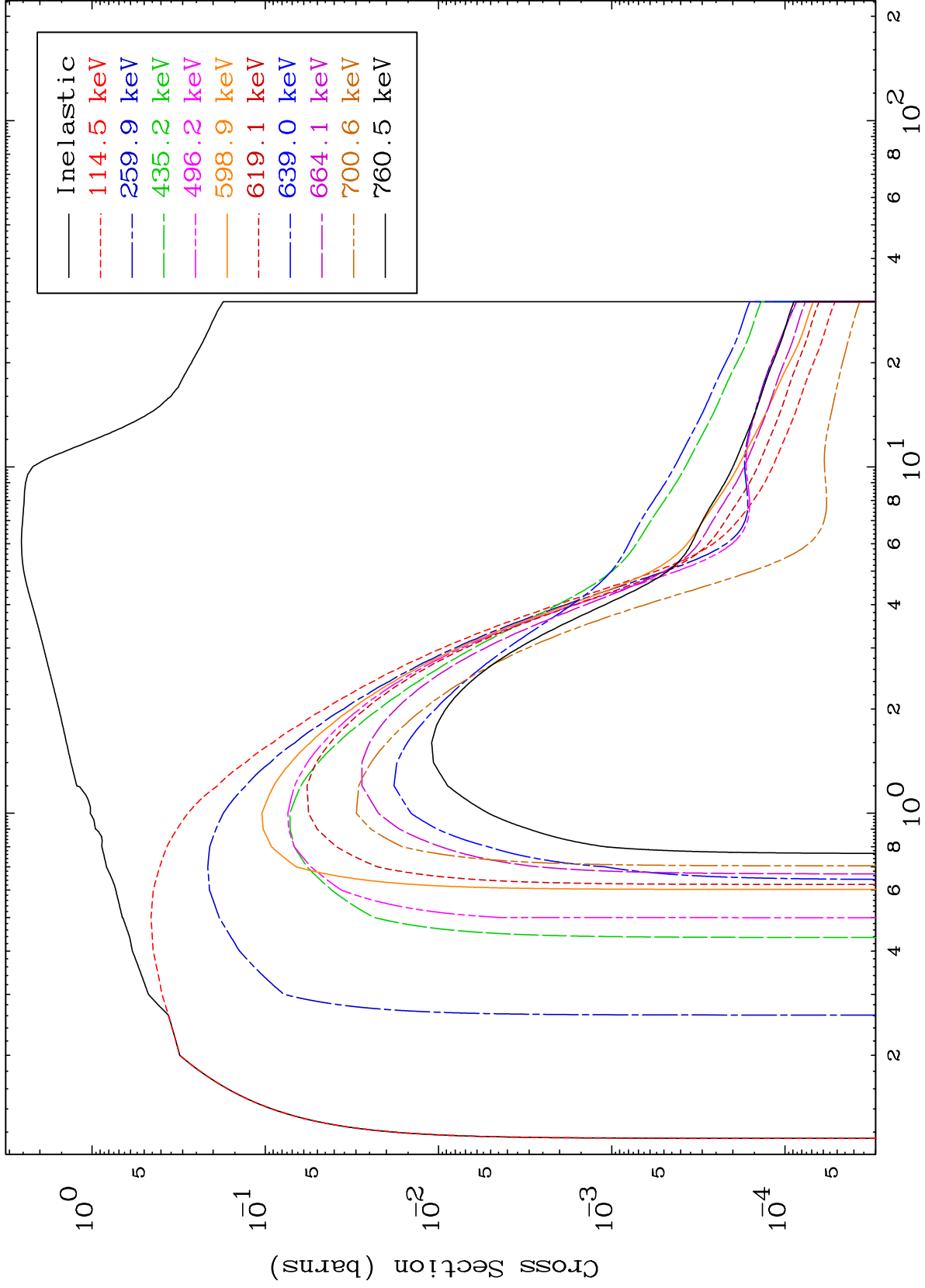


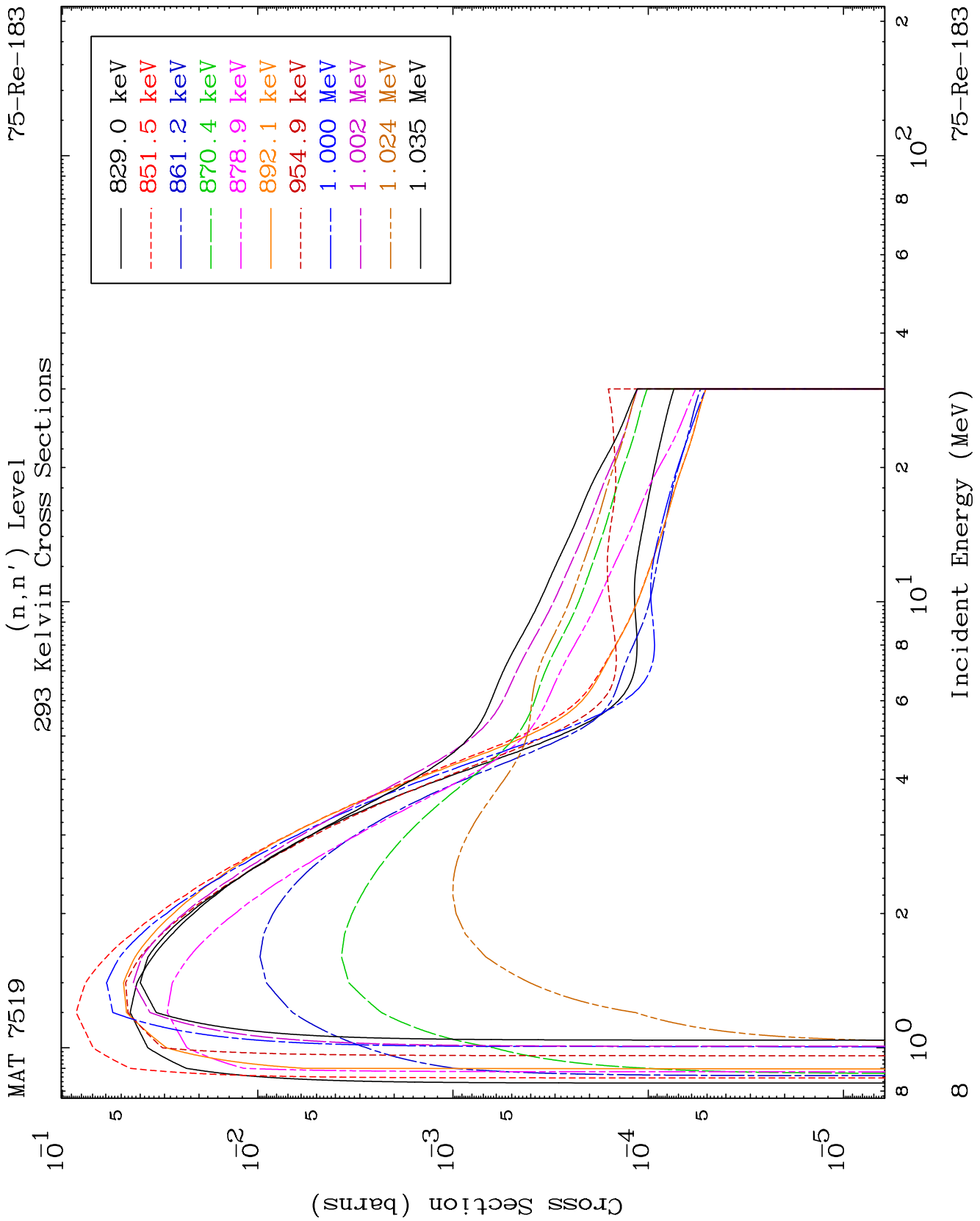


MAT 7519

(n,n') Level
293 Kelvin Cross Sections

75-Re-183





75-Re-183

Incident Energy (MeV)

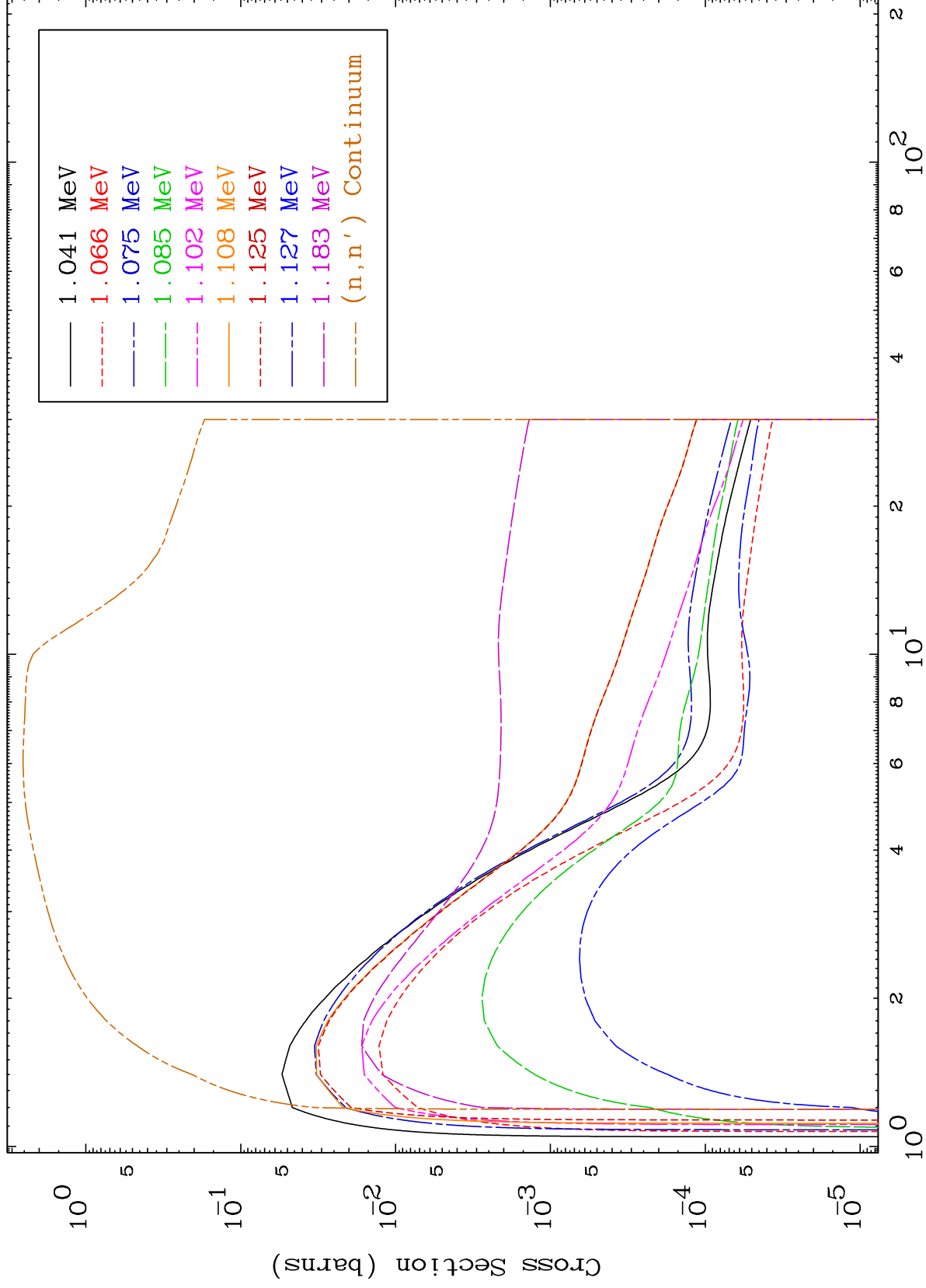
8

MAT 7519

(n,n') Level

75-Re-183

293 Kelvin Cross Sections



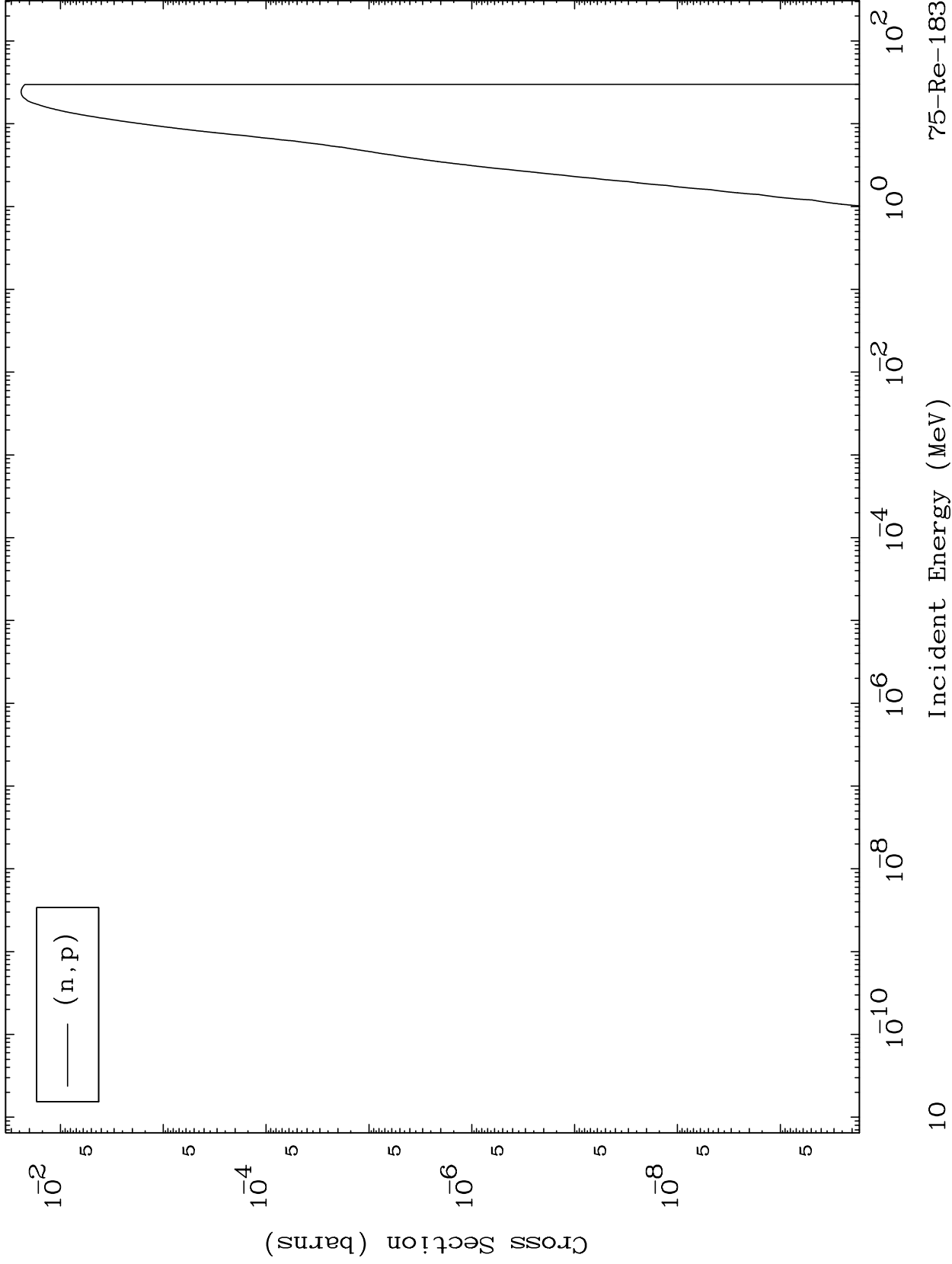
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,p) Levels
293 Kelvin Cross Sections

75-Re-183



10

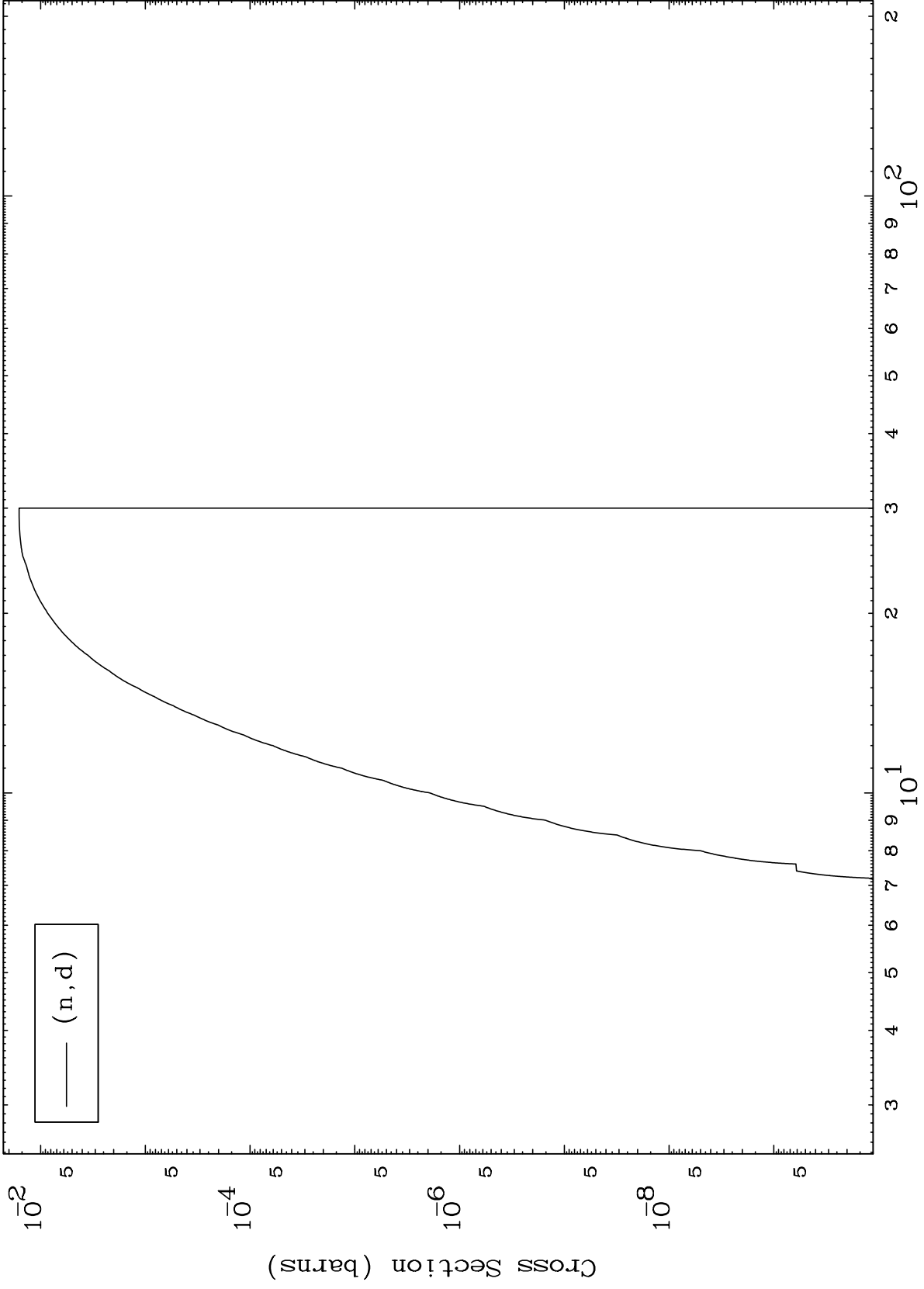
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,d) Levels
293 Kelvin Cross Sections

75-Re-183



11

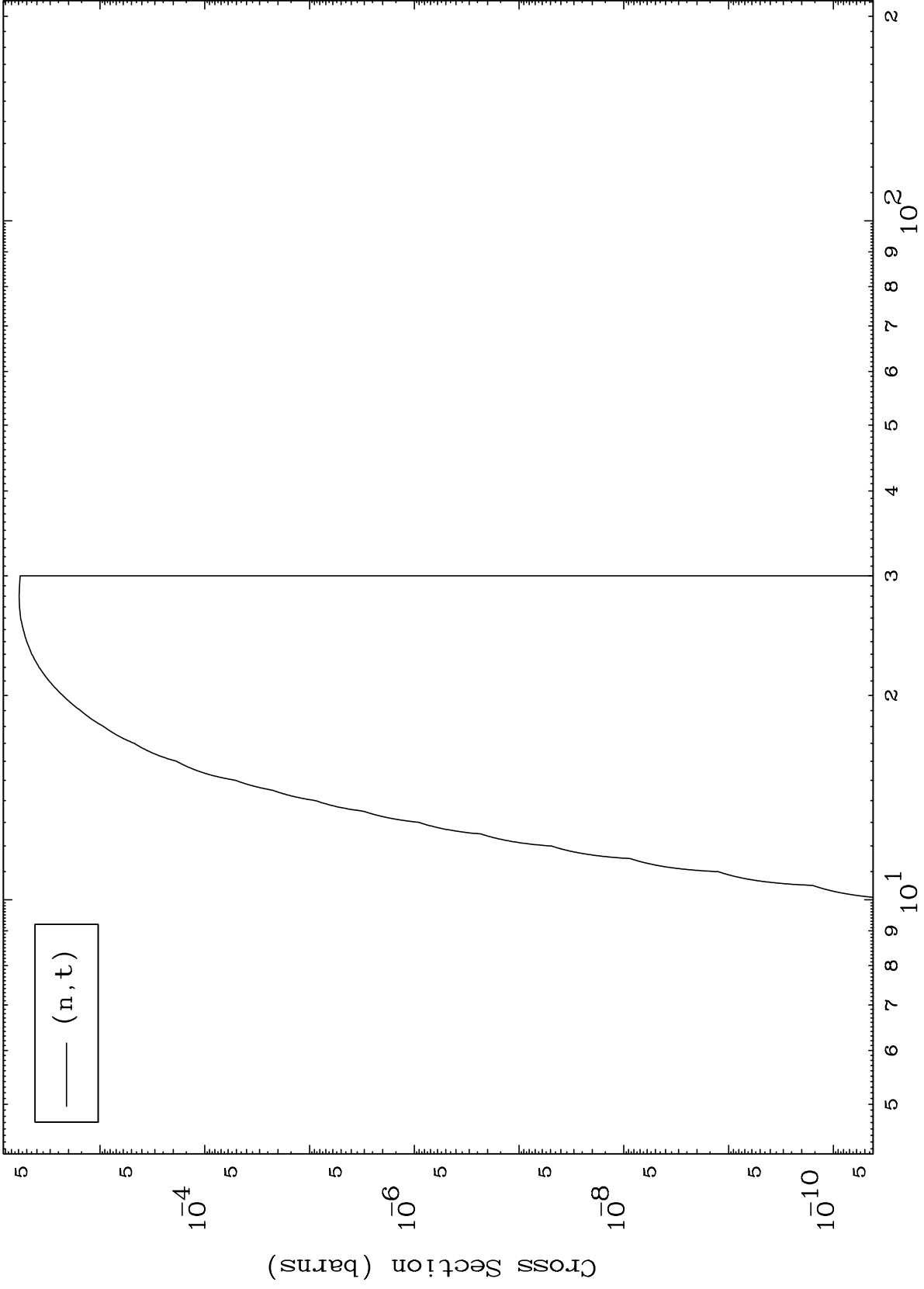
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,t) Levels
293 Kelvin Cross Sections

75-Re-183



12

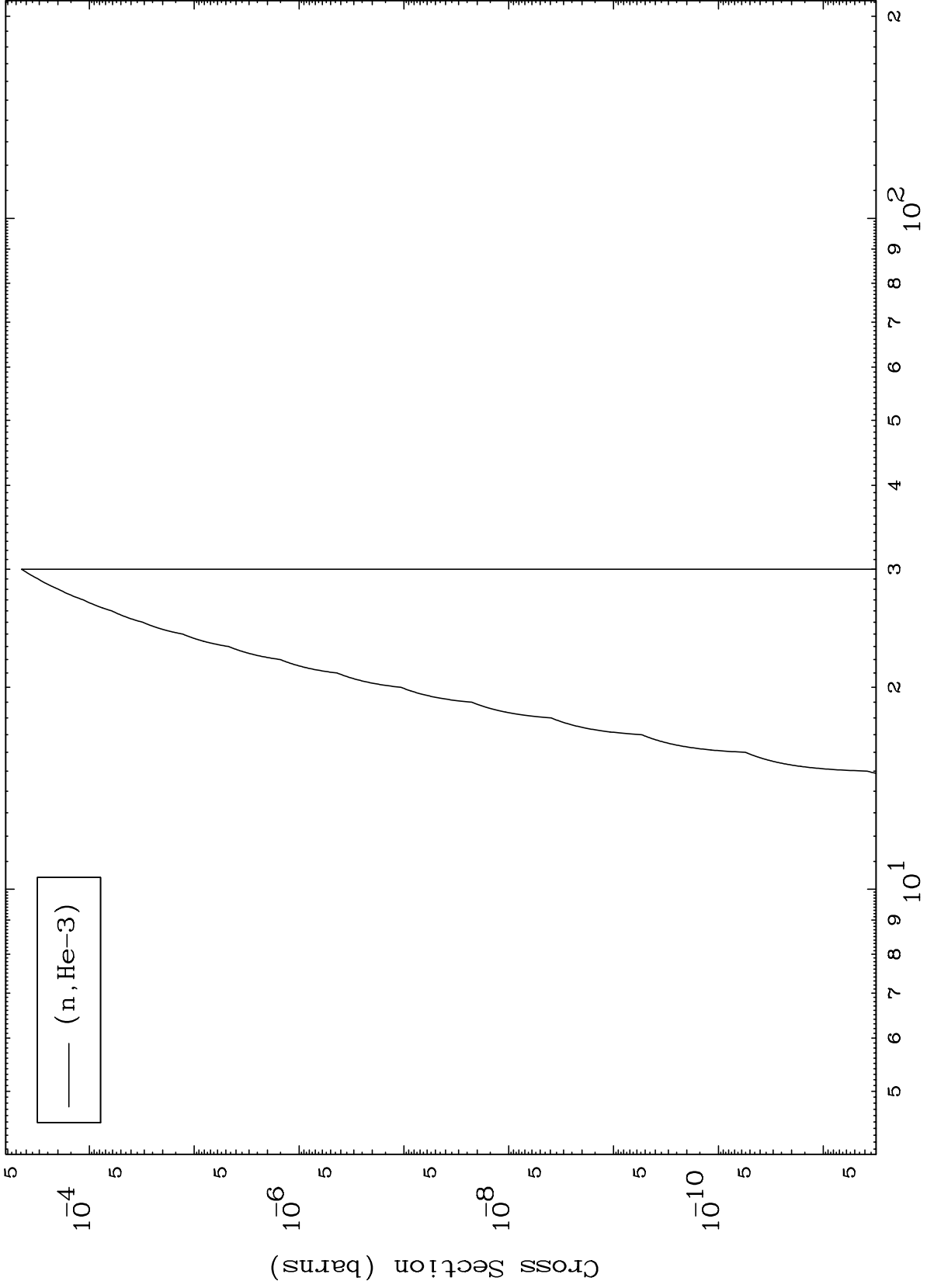
Incident Energy (MeV)

75-Re-183

MAT 7519

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-183



13

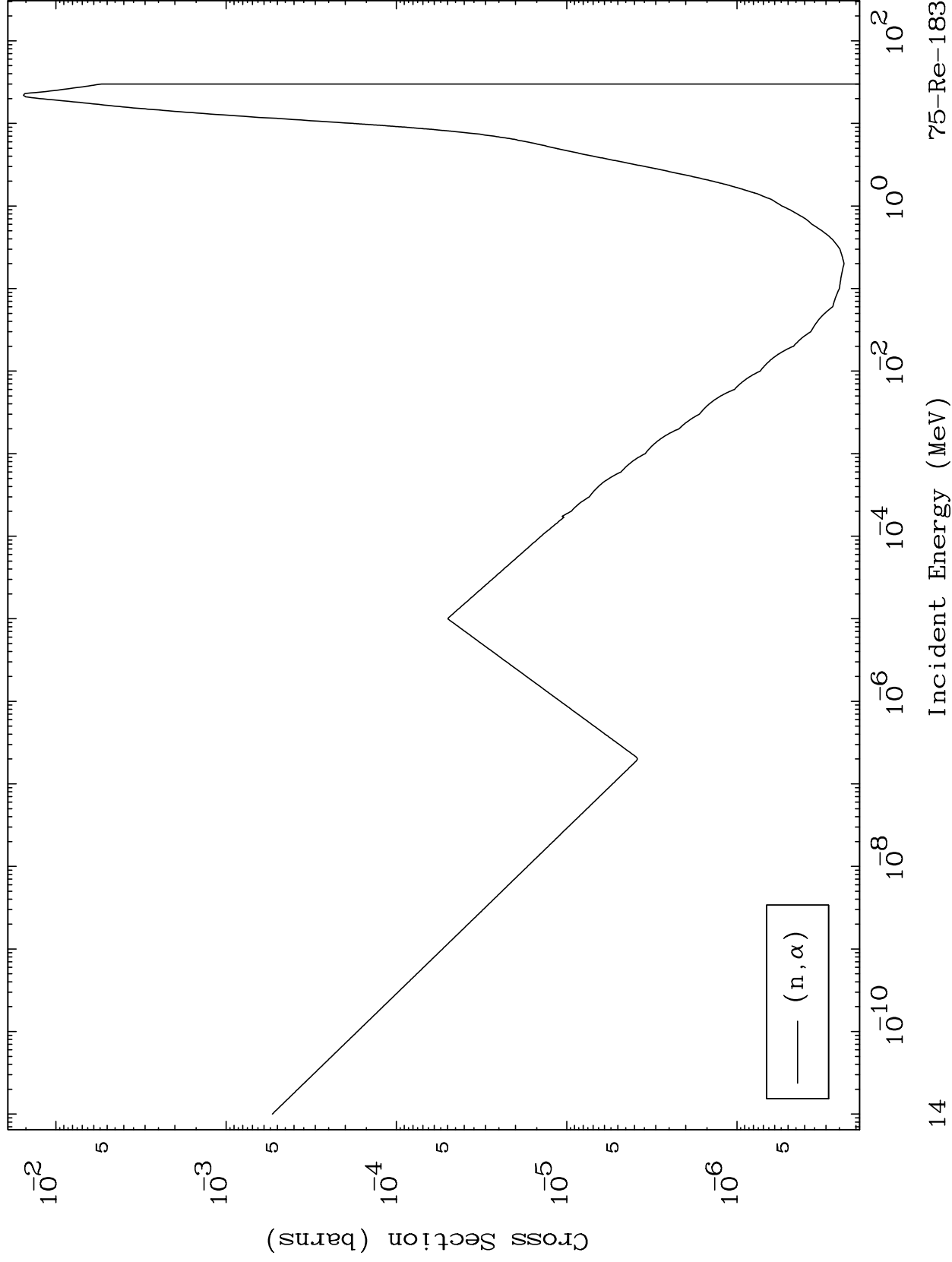
Incident Energy (MeV)

75-Re-183

MAT 7519

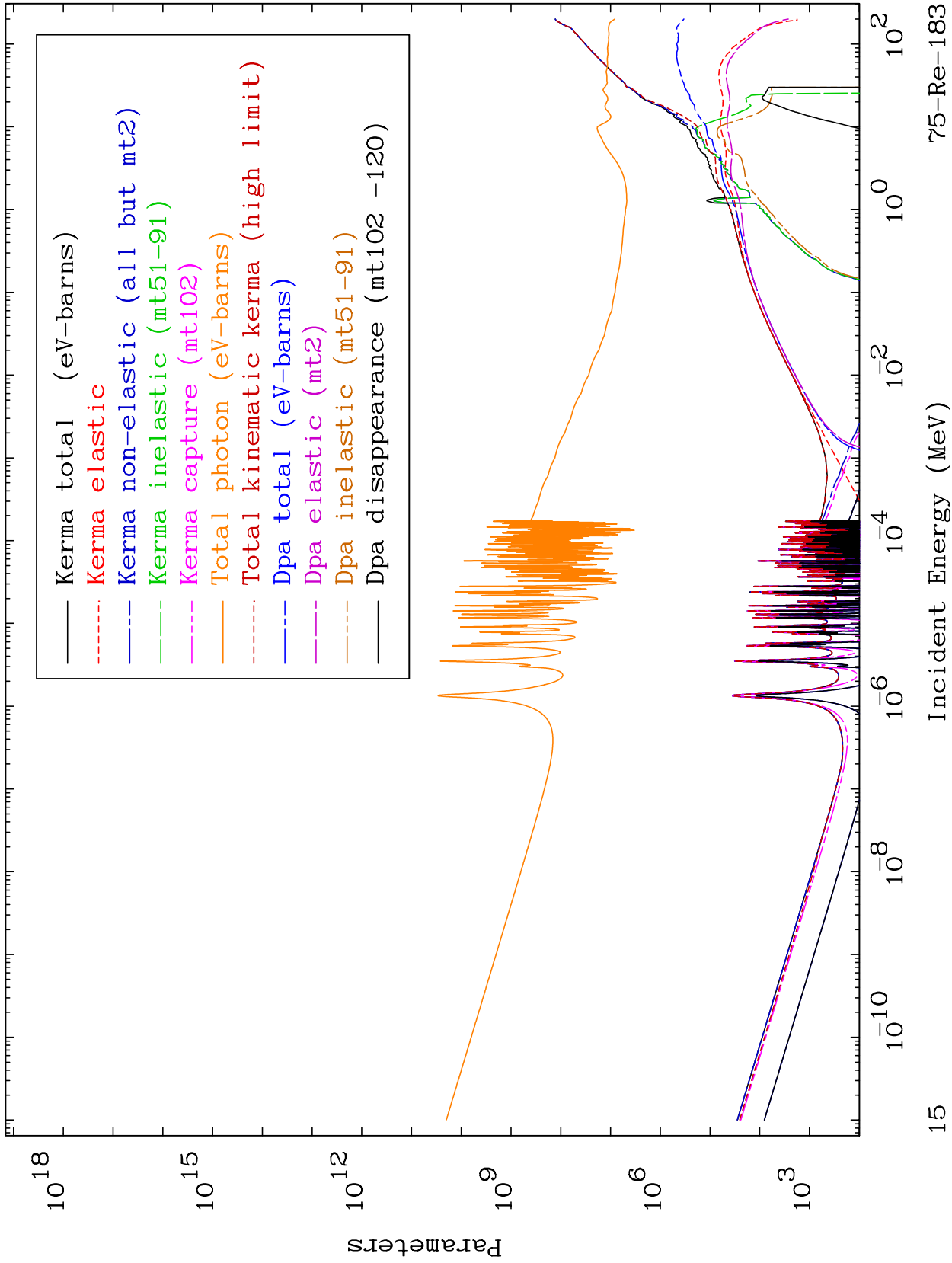
(n,α) Levels
293 Kelvin Cross Sections

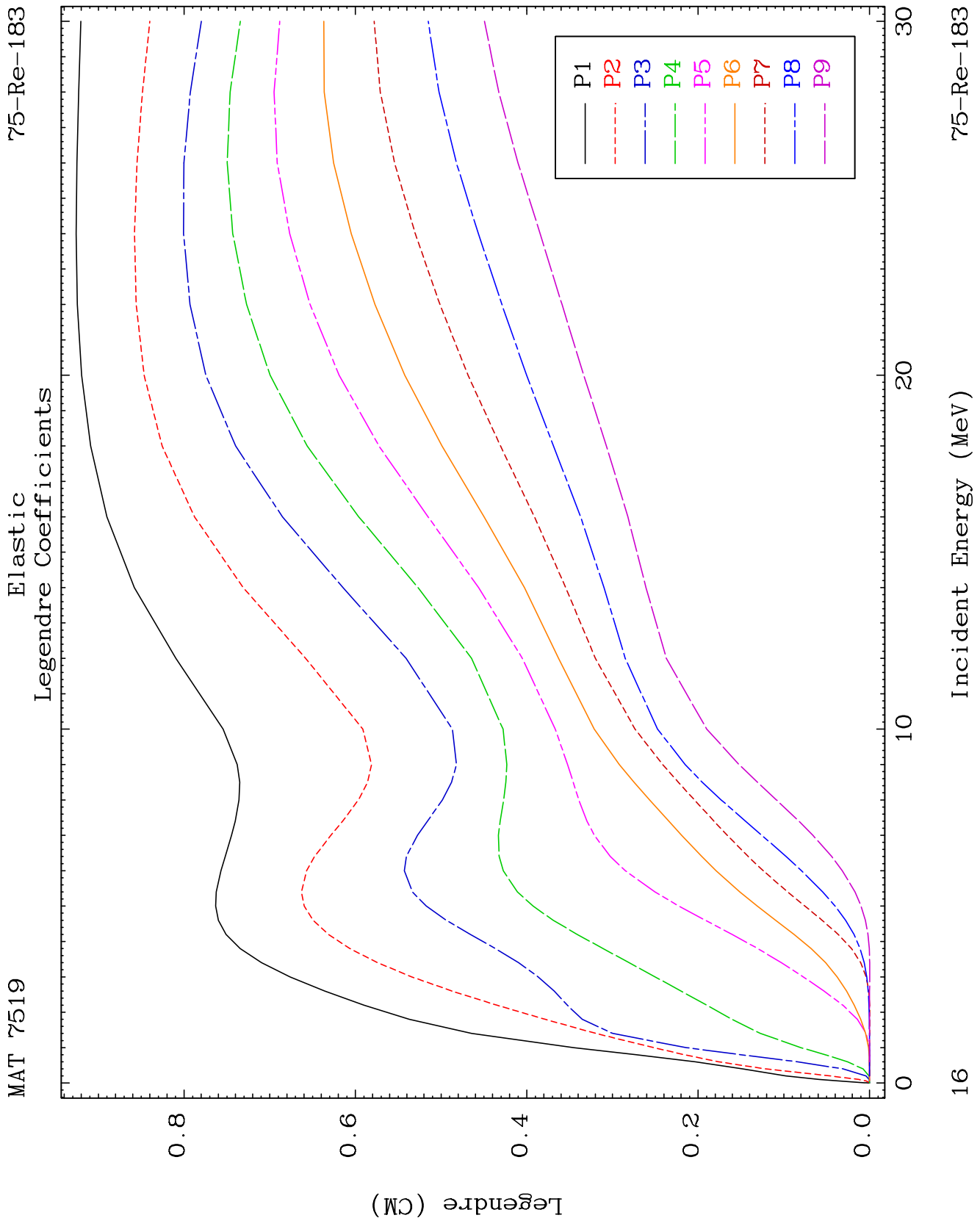
75-Re-183

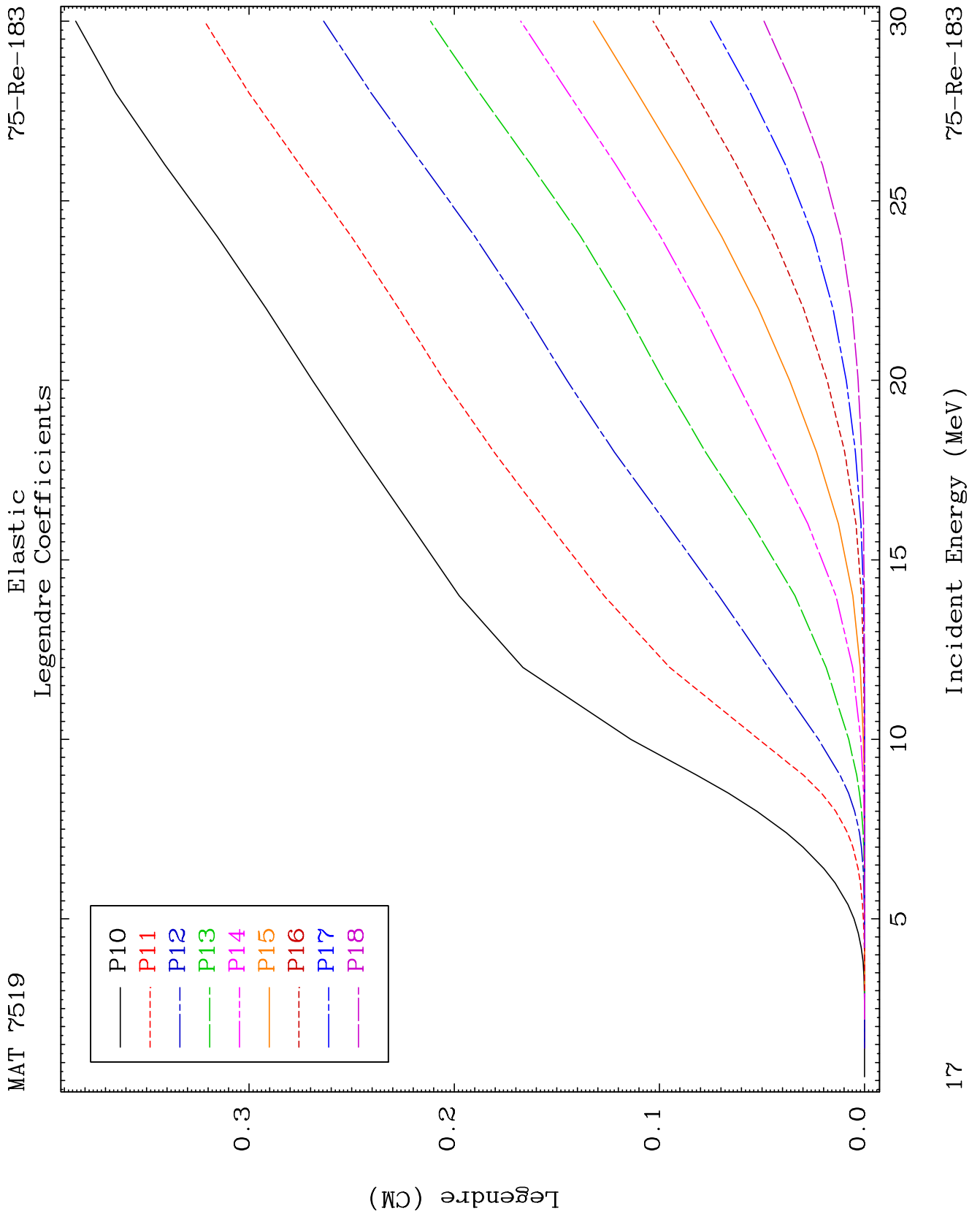


75-Re-183

Incident Energy (MeV)



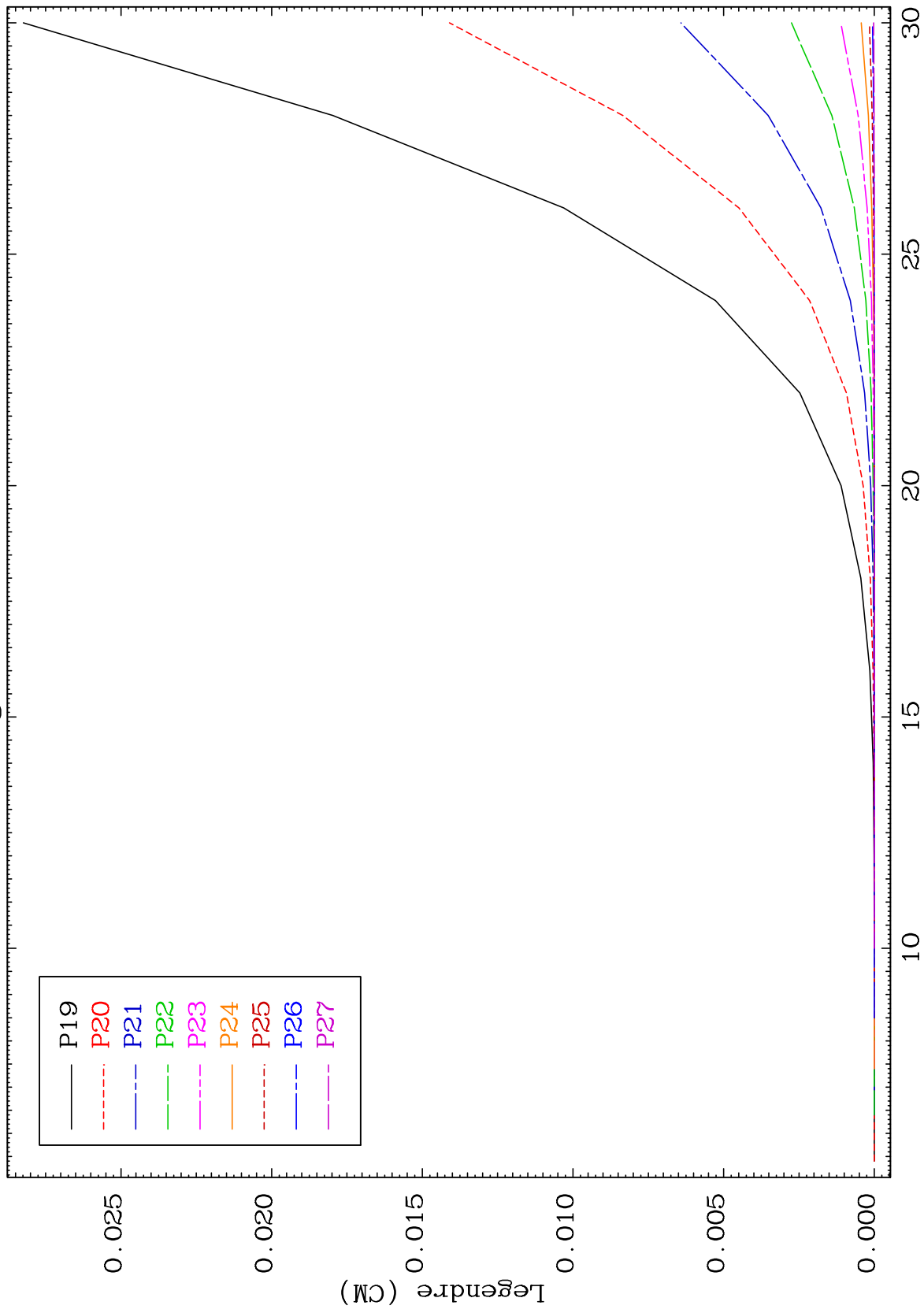




MAT 7519

Elastic Legendre Coefficients

75-Re-183



18

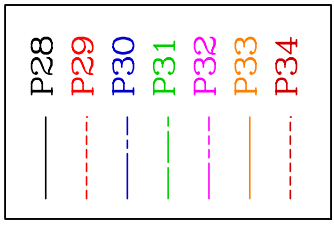
Incident Energy (MeV)

75-Re-183

MAT 7519

Elastic Legendre Coefficients

75-Re-183



$\times 10^{-6}$

Legendre (CM)

10

15

20

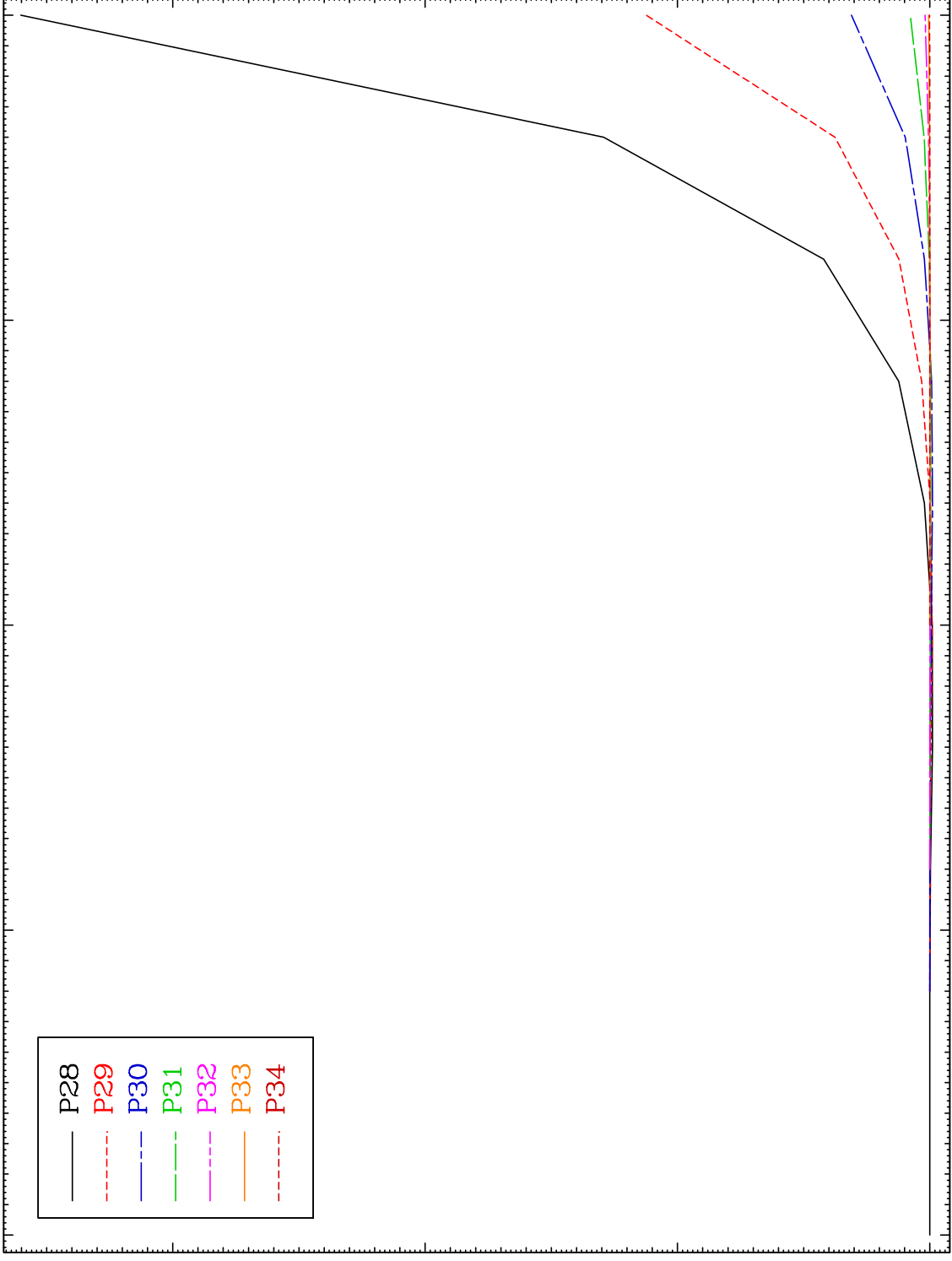
25

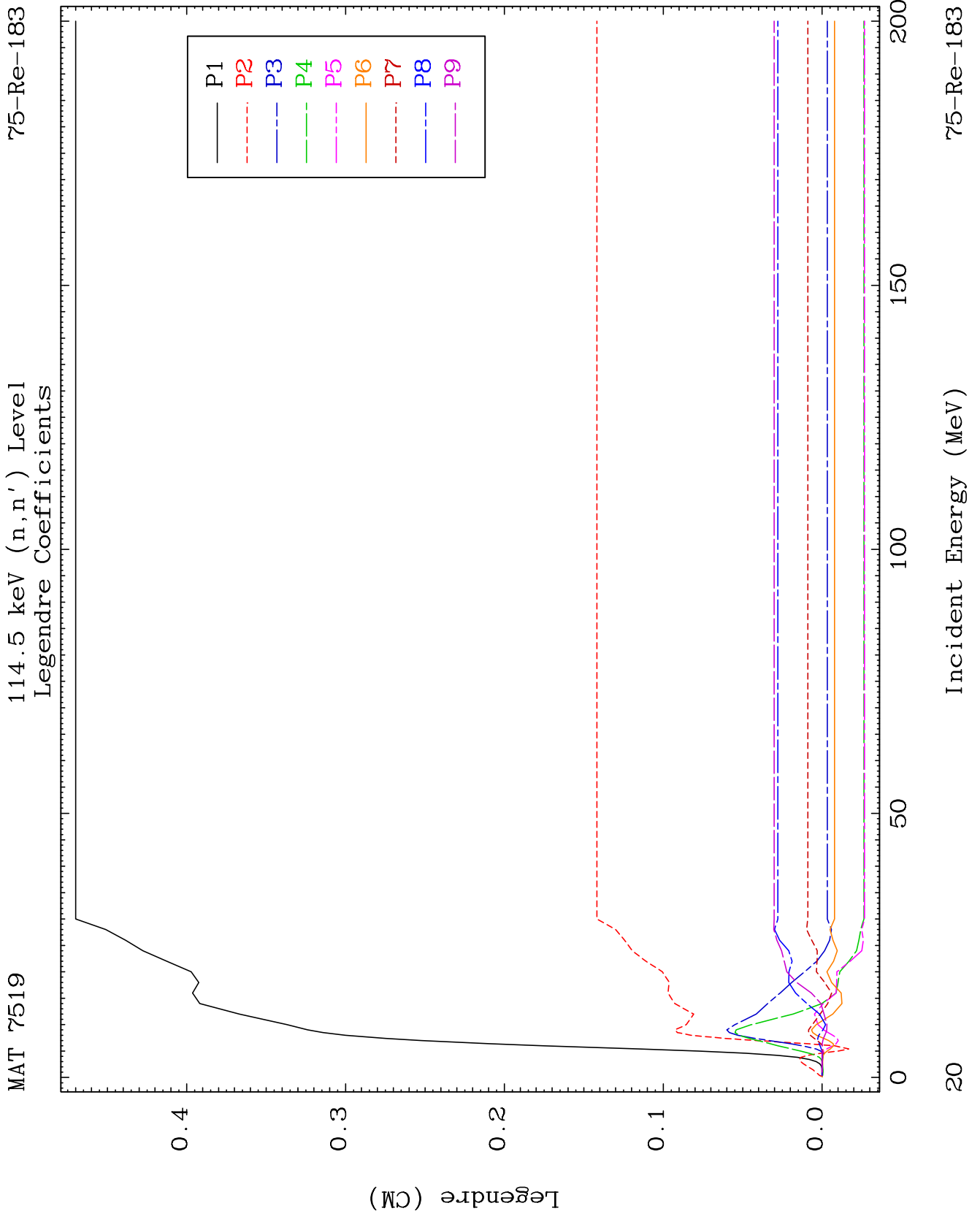
30

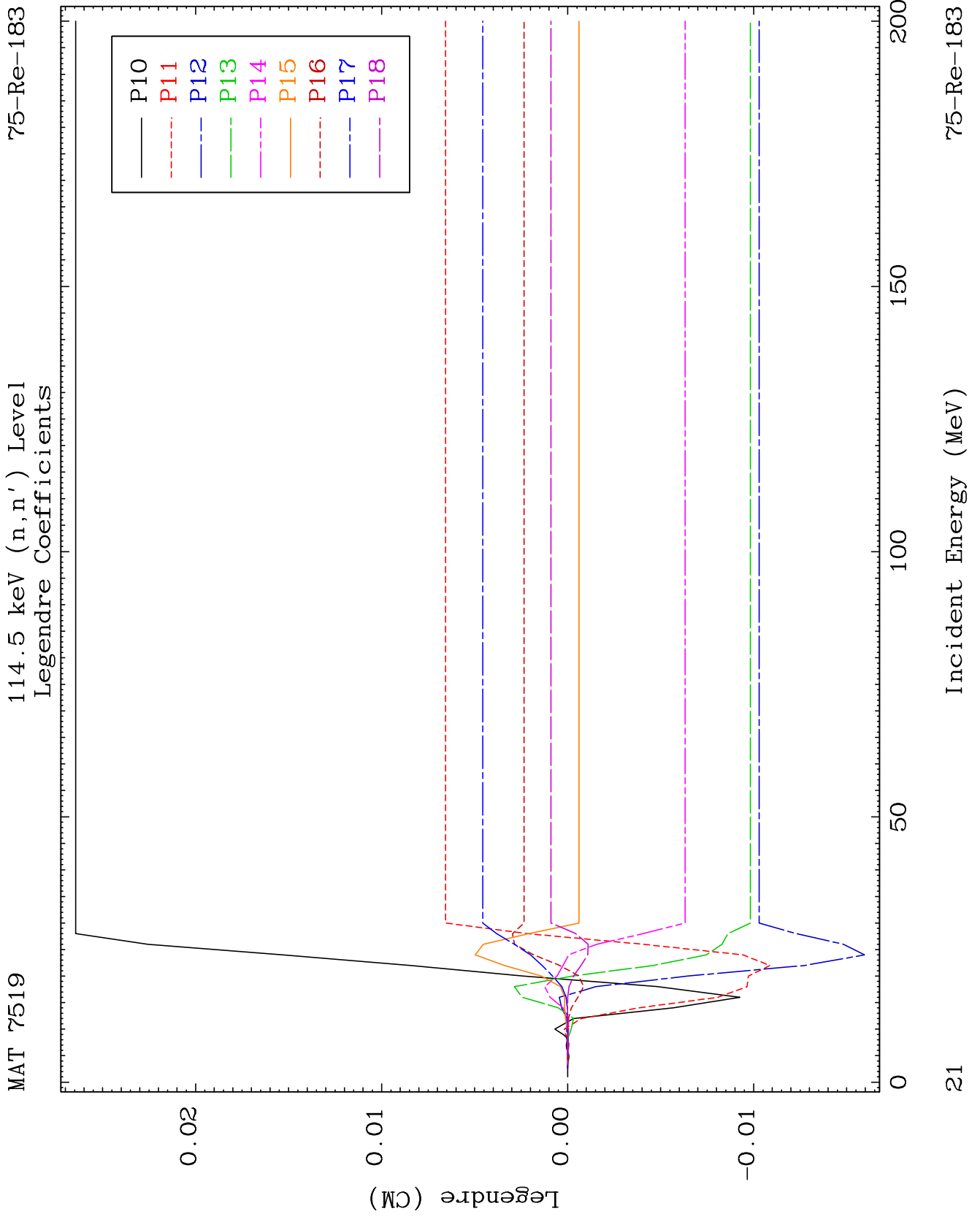
19

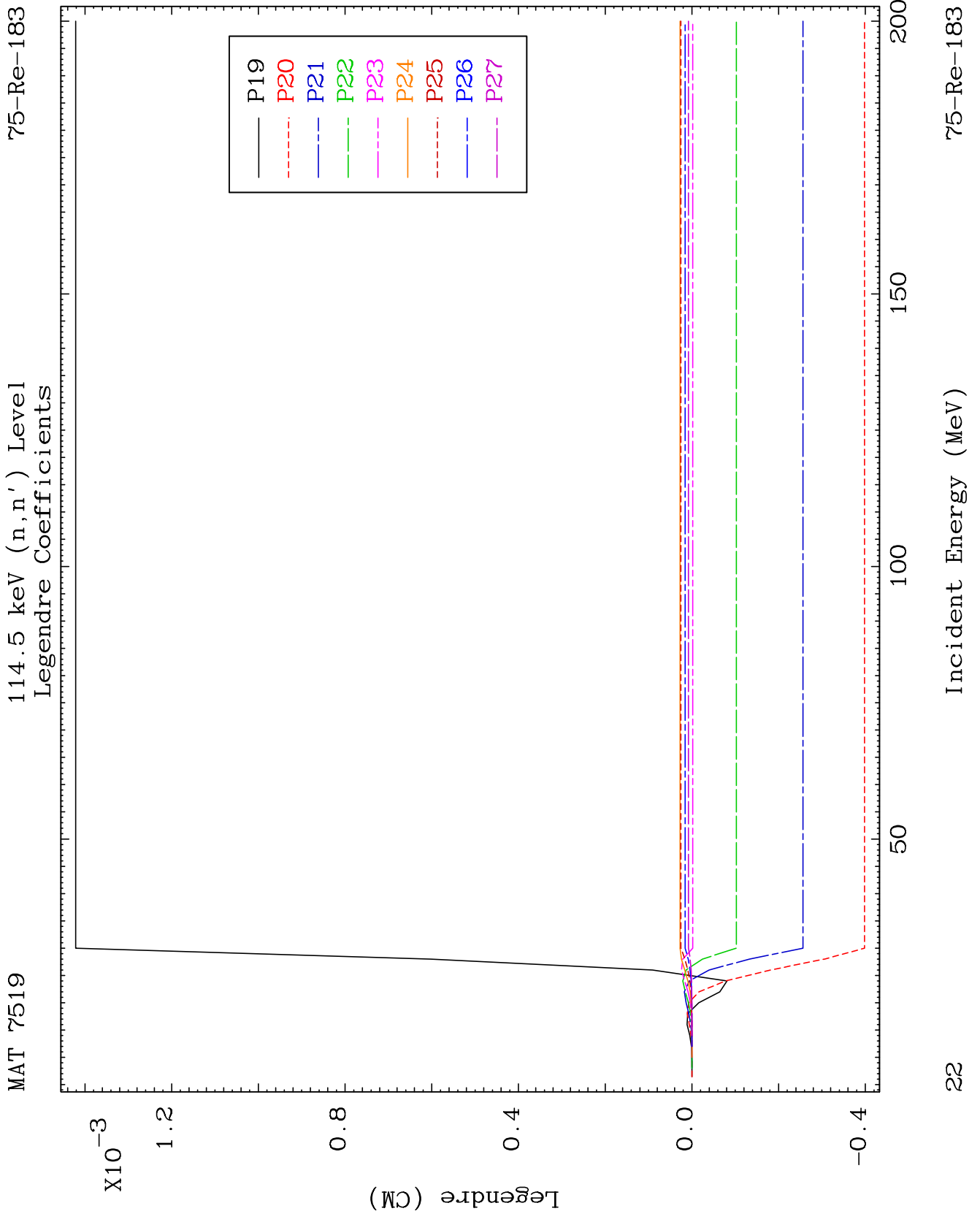
Incident Energy (MeV)

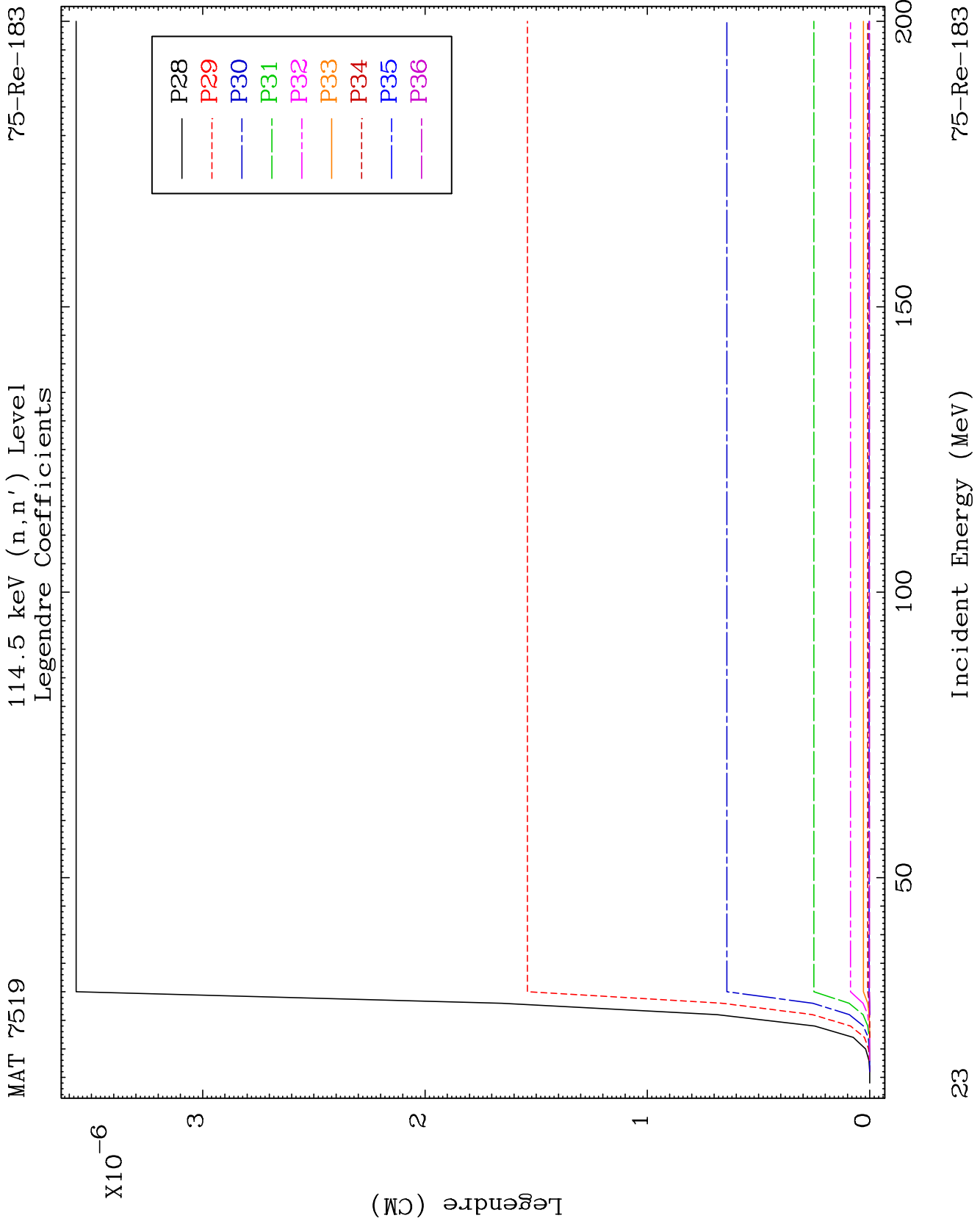
75-Re-183

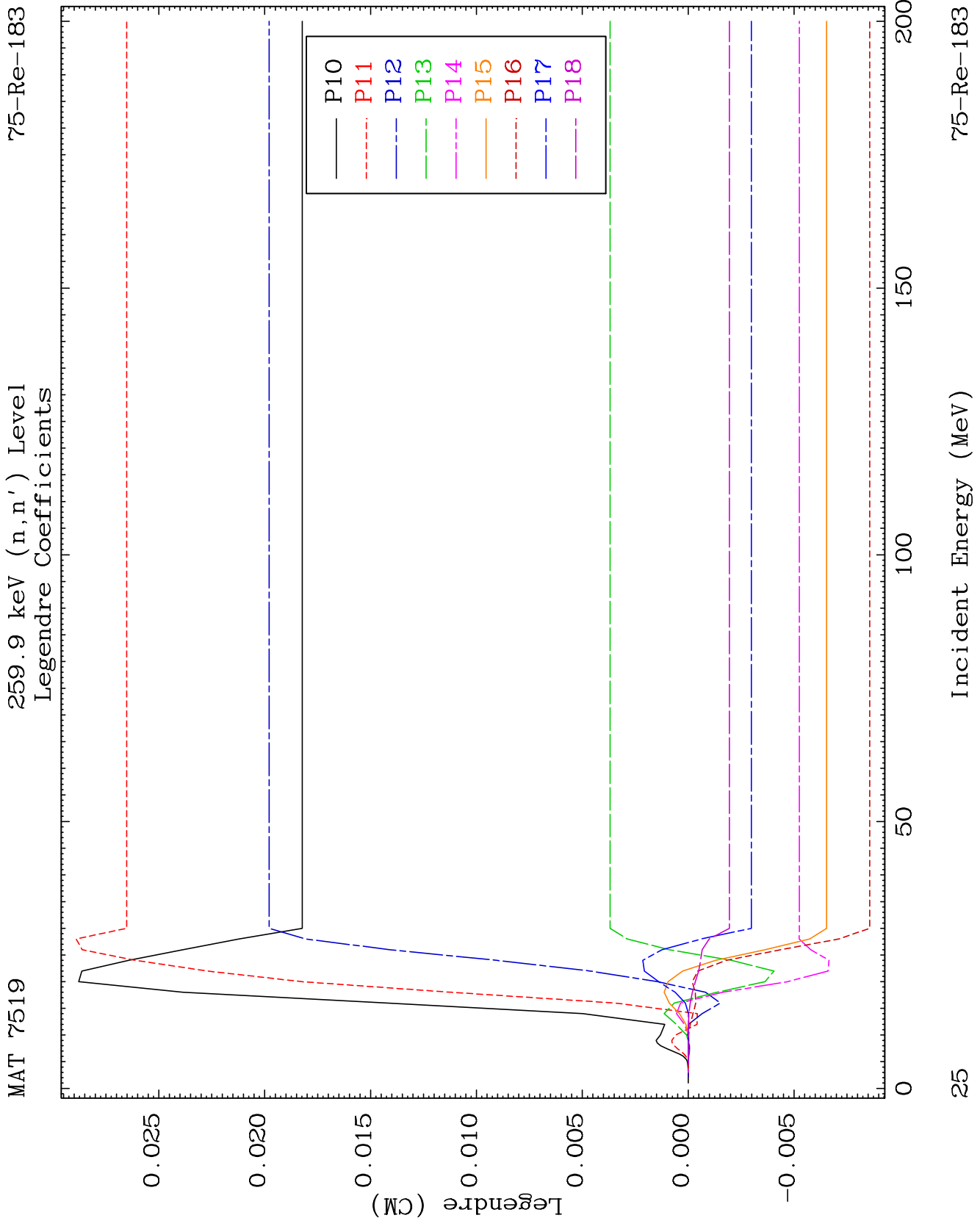


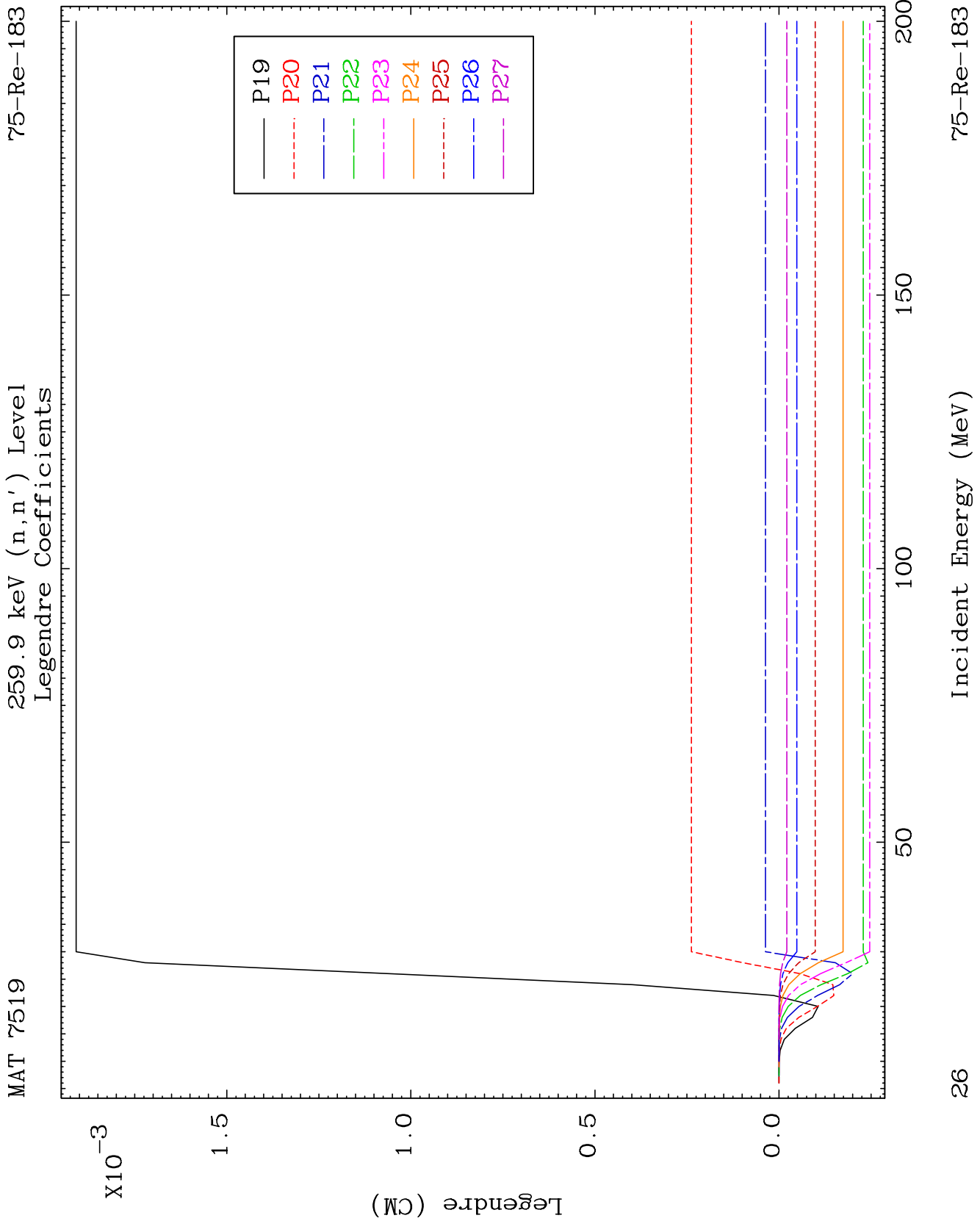


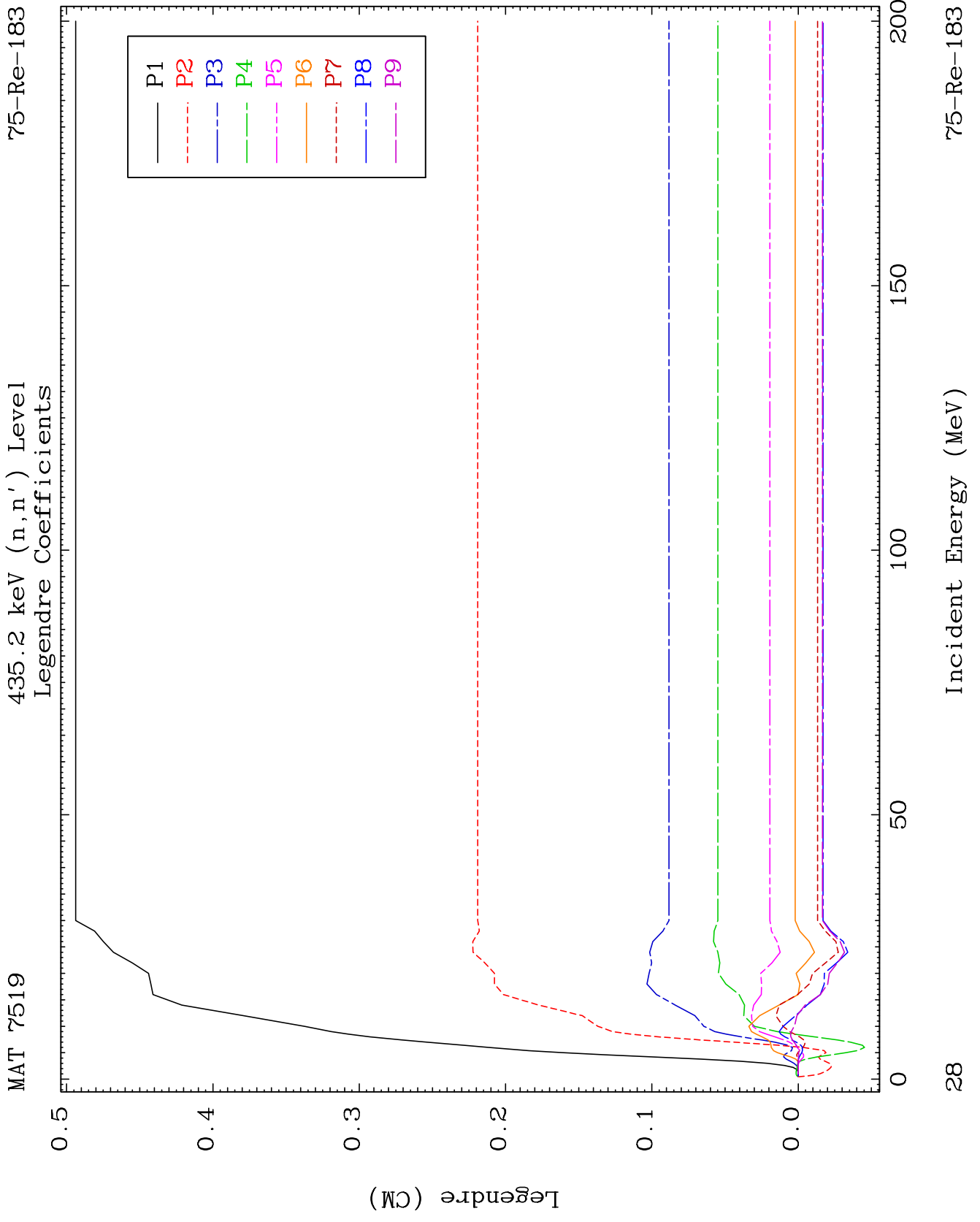


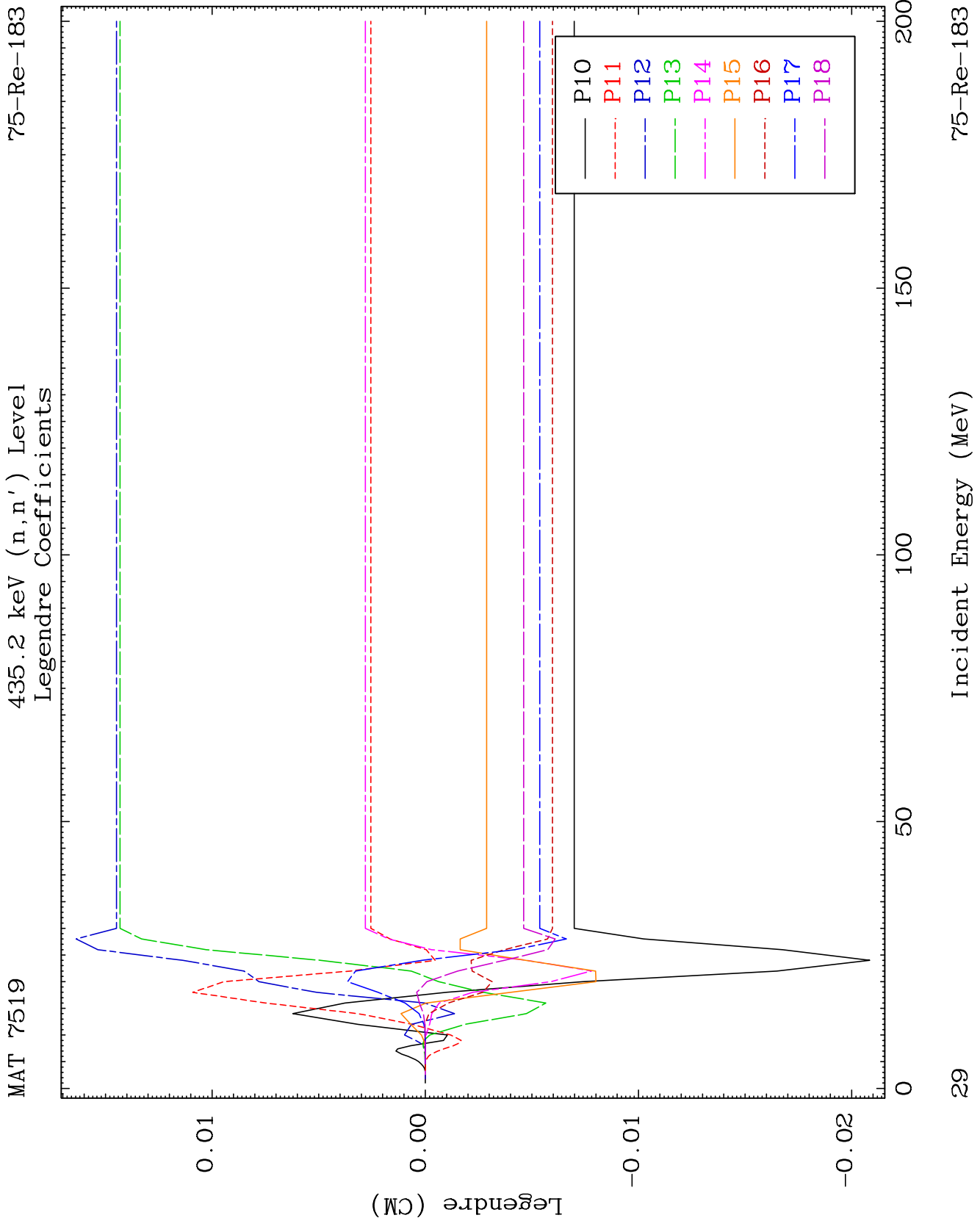








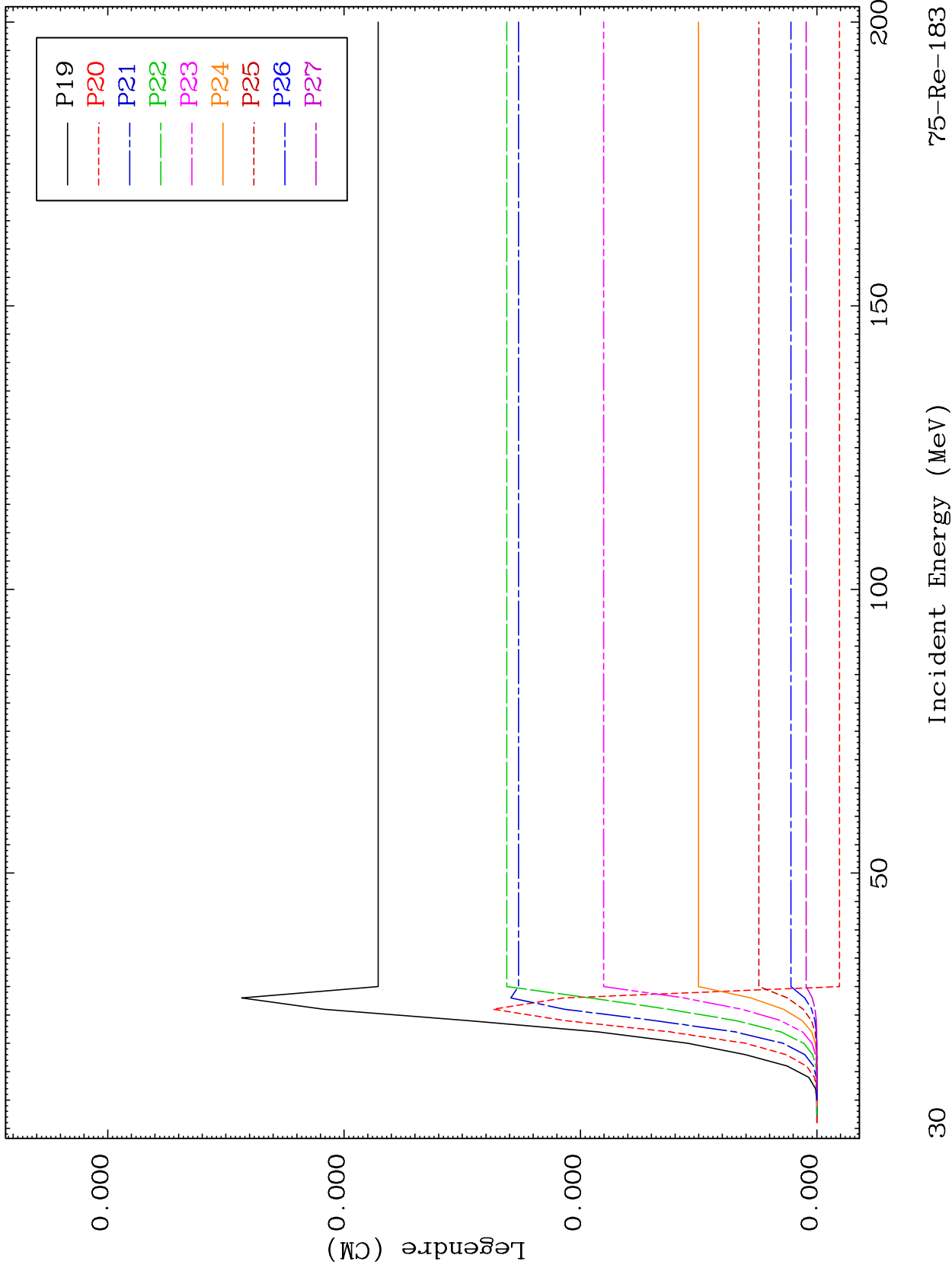




MAT 7519

435.2 keV (n,n') Level
Legendre Coefficients

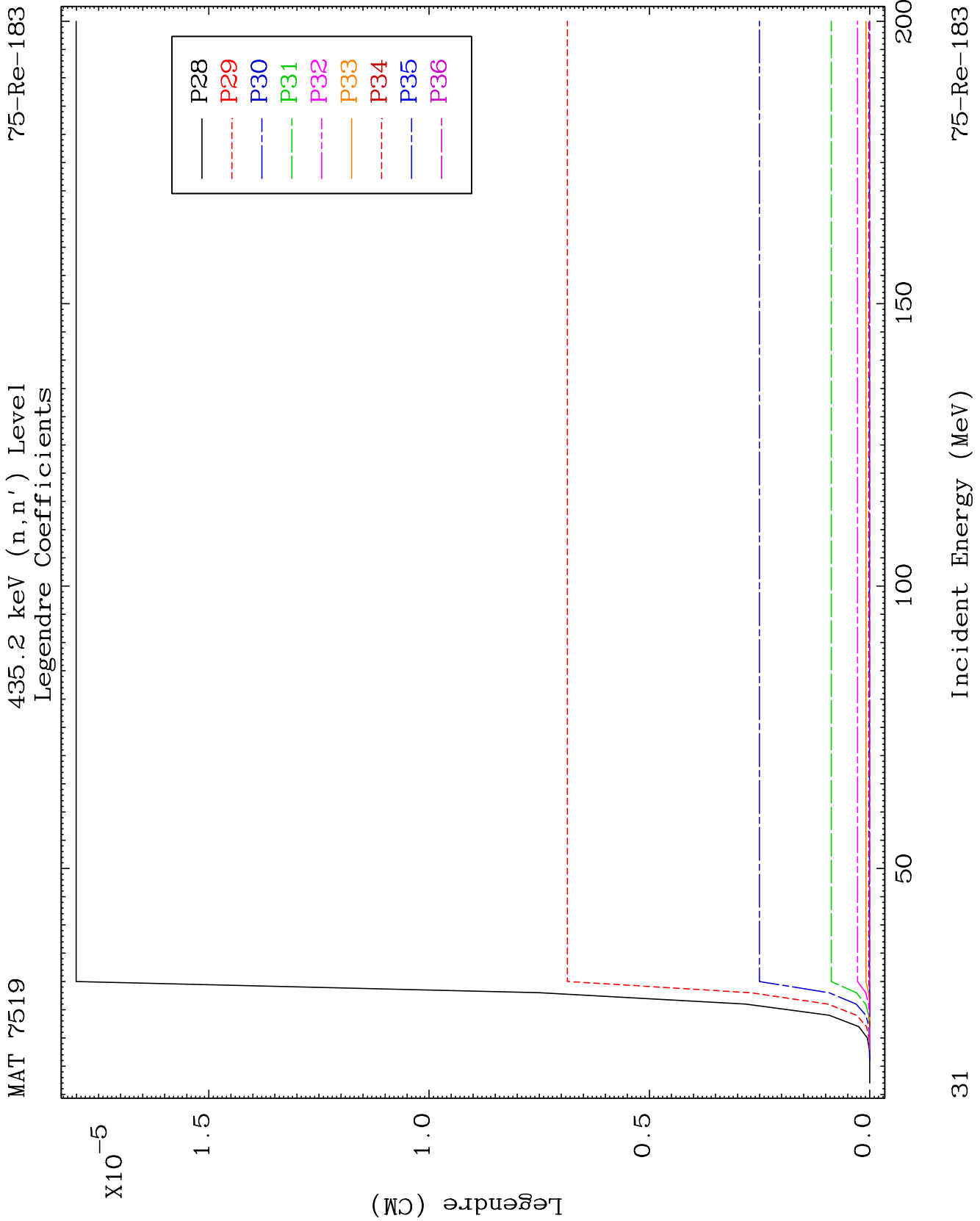
75-Re-183

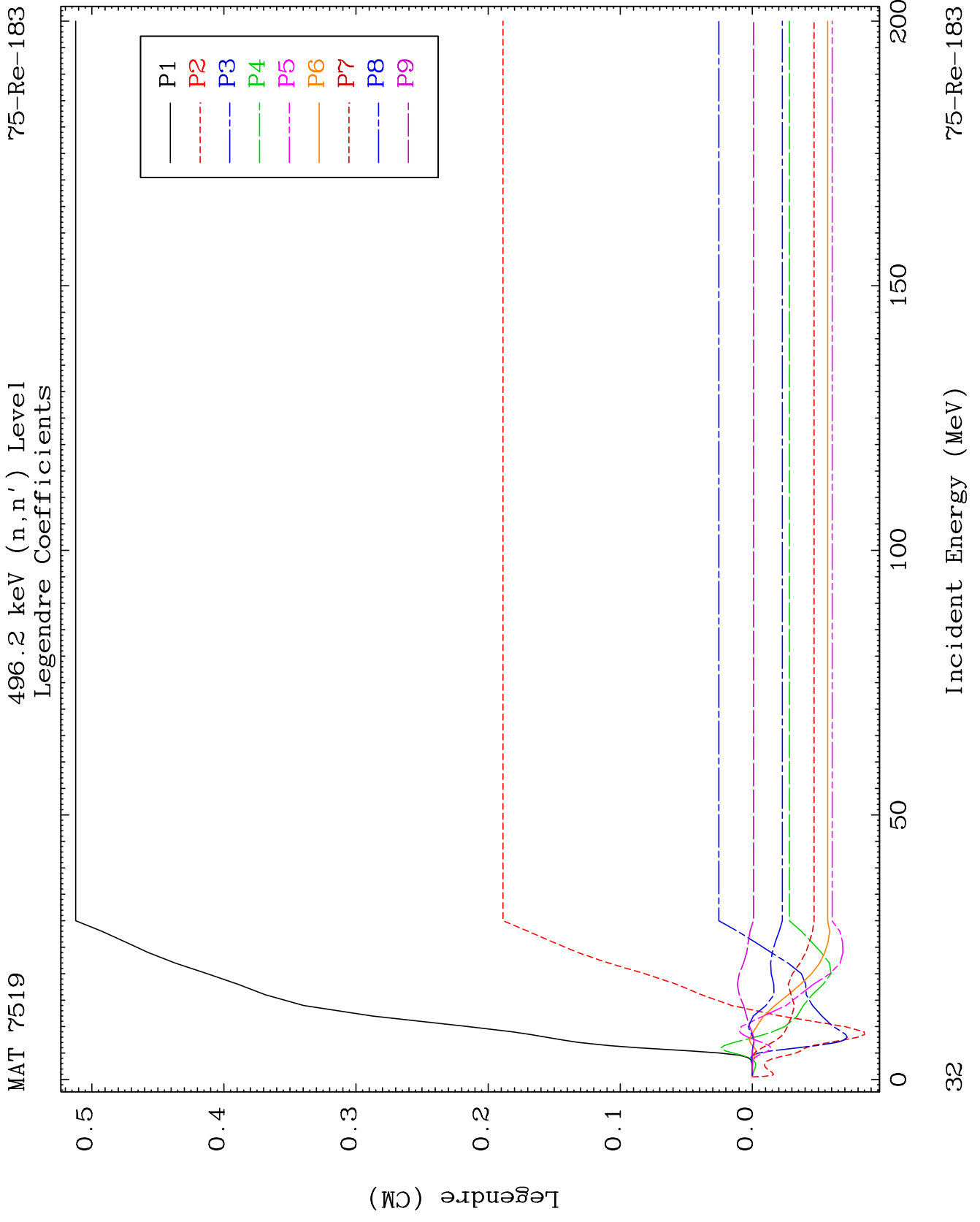


30

Incident Energy (MeV)

75-Re-183

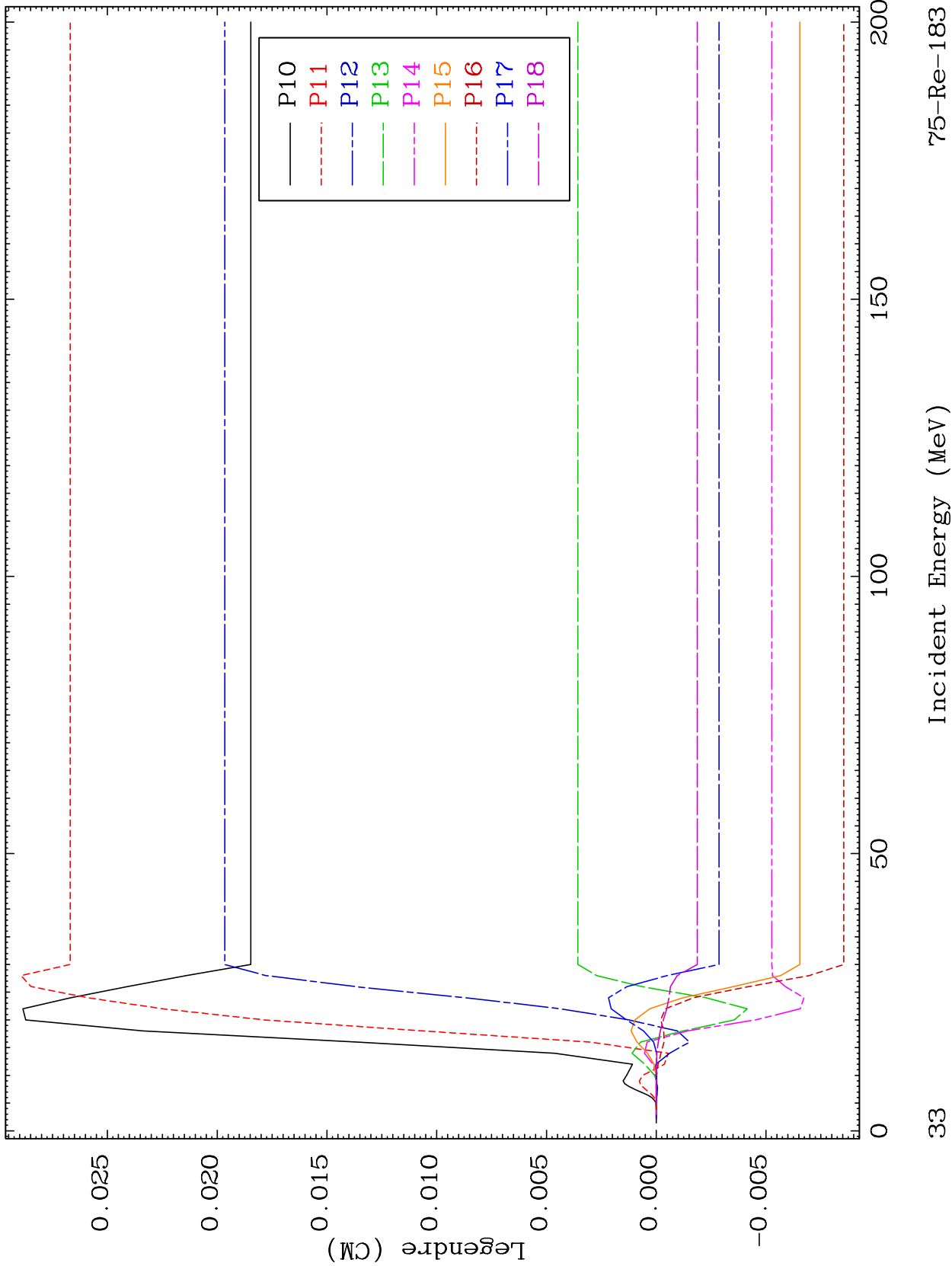




MAT 7519

496.2 keV (n, n') Level
Legendre Coefficients

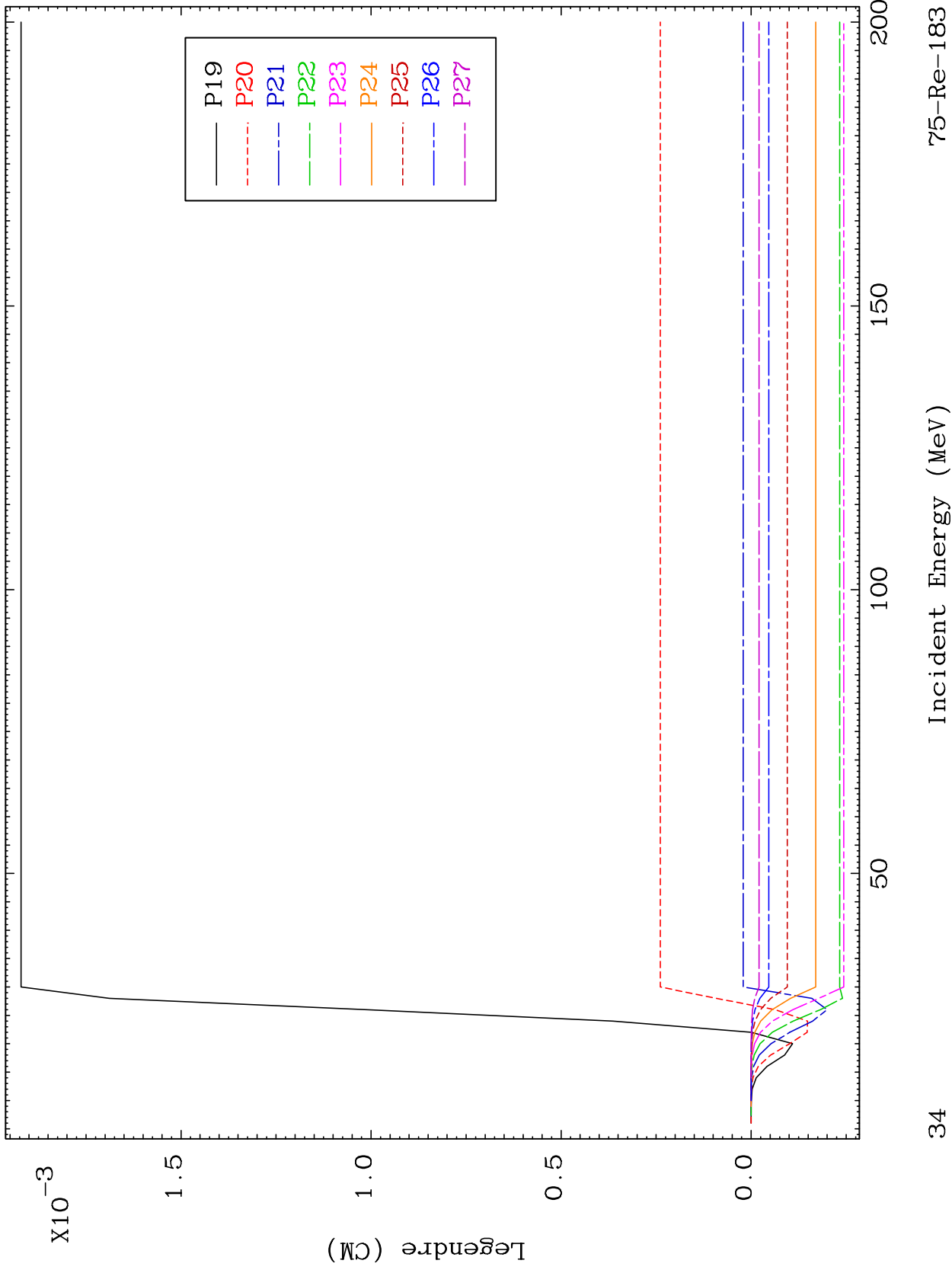
75-Re-183

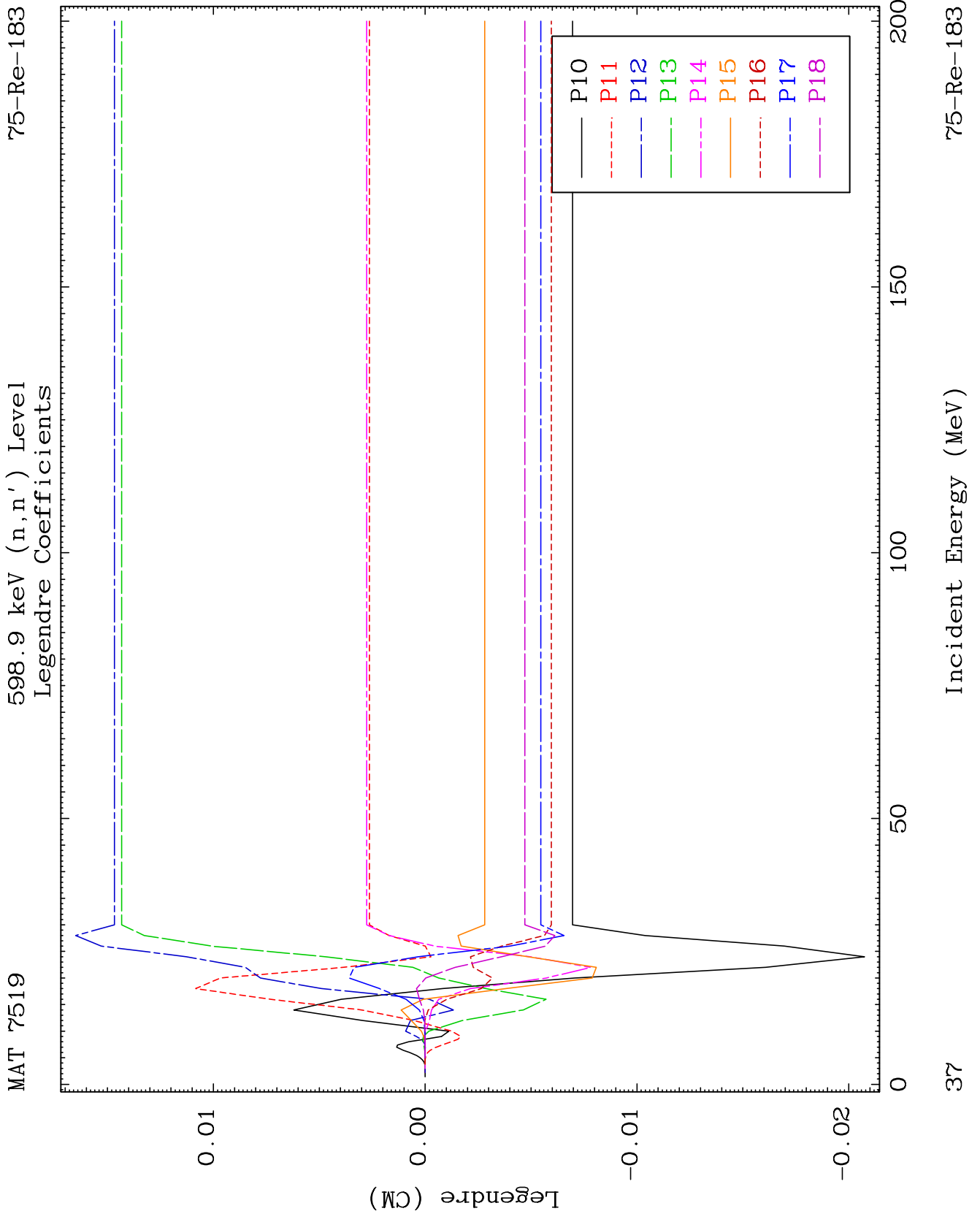


33

Incident Energy (MeV)

75-Re-183

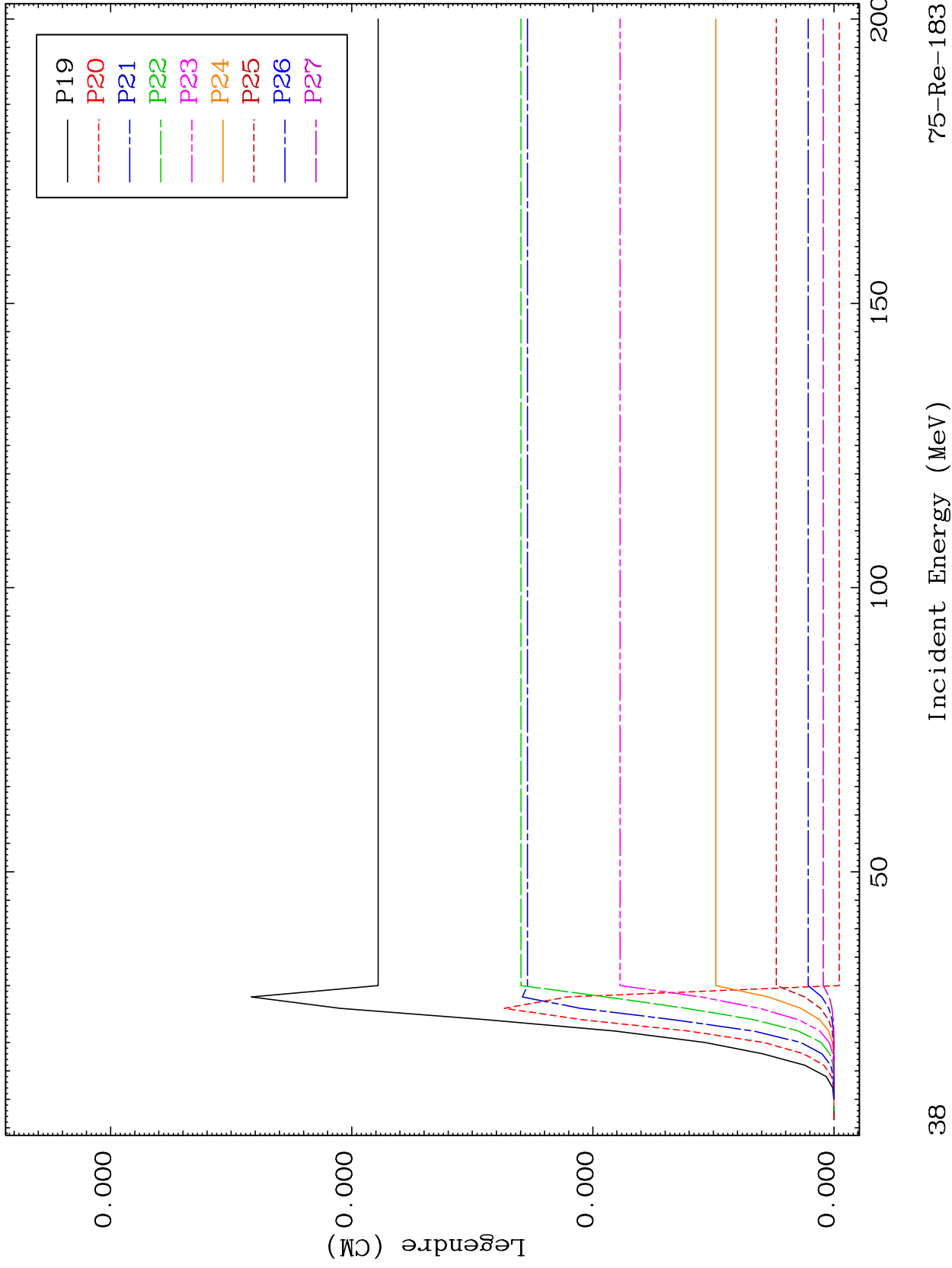


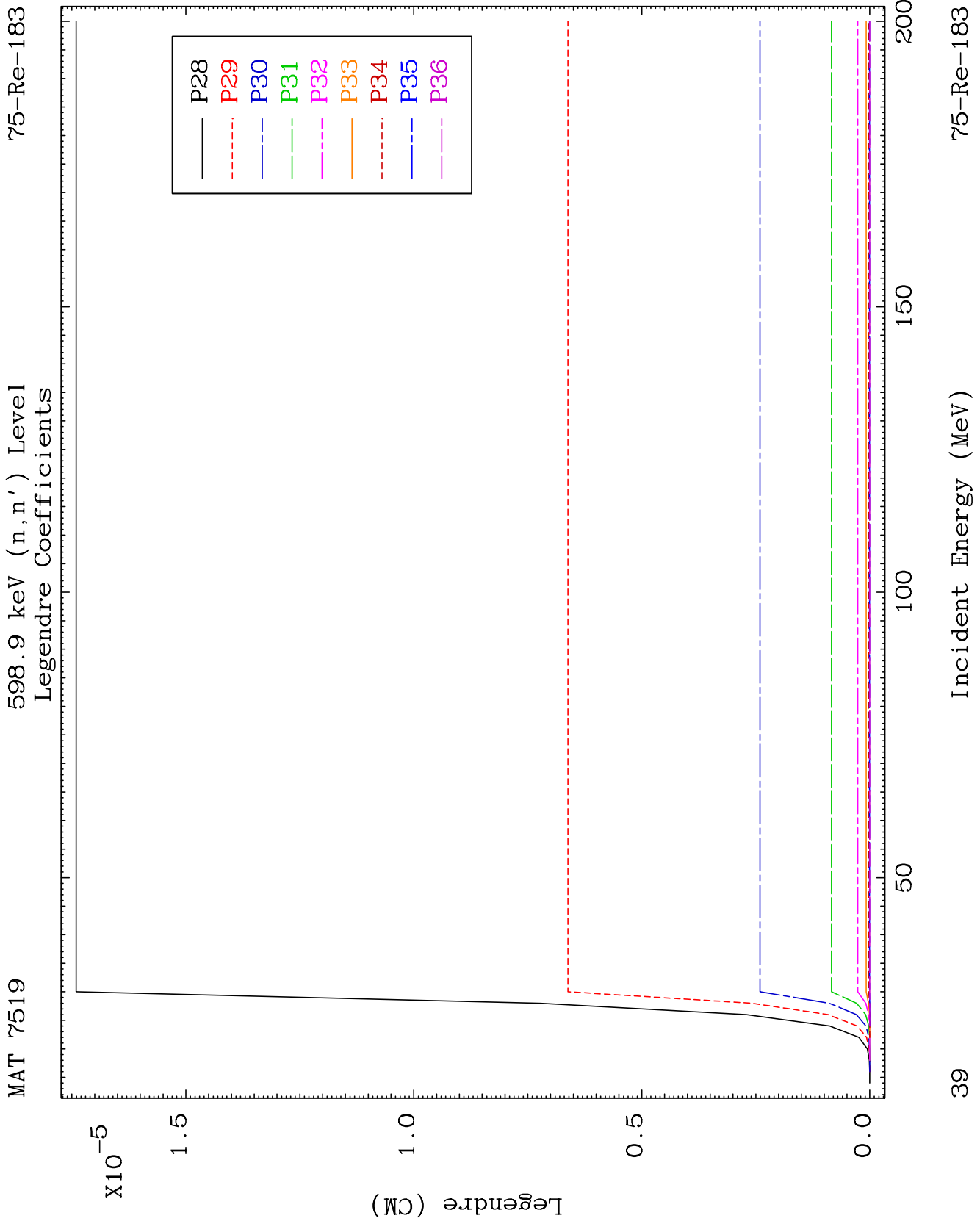


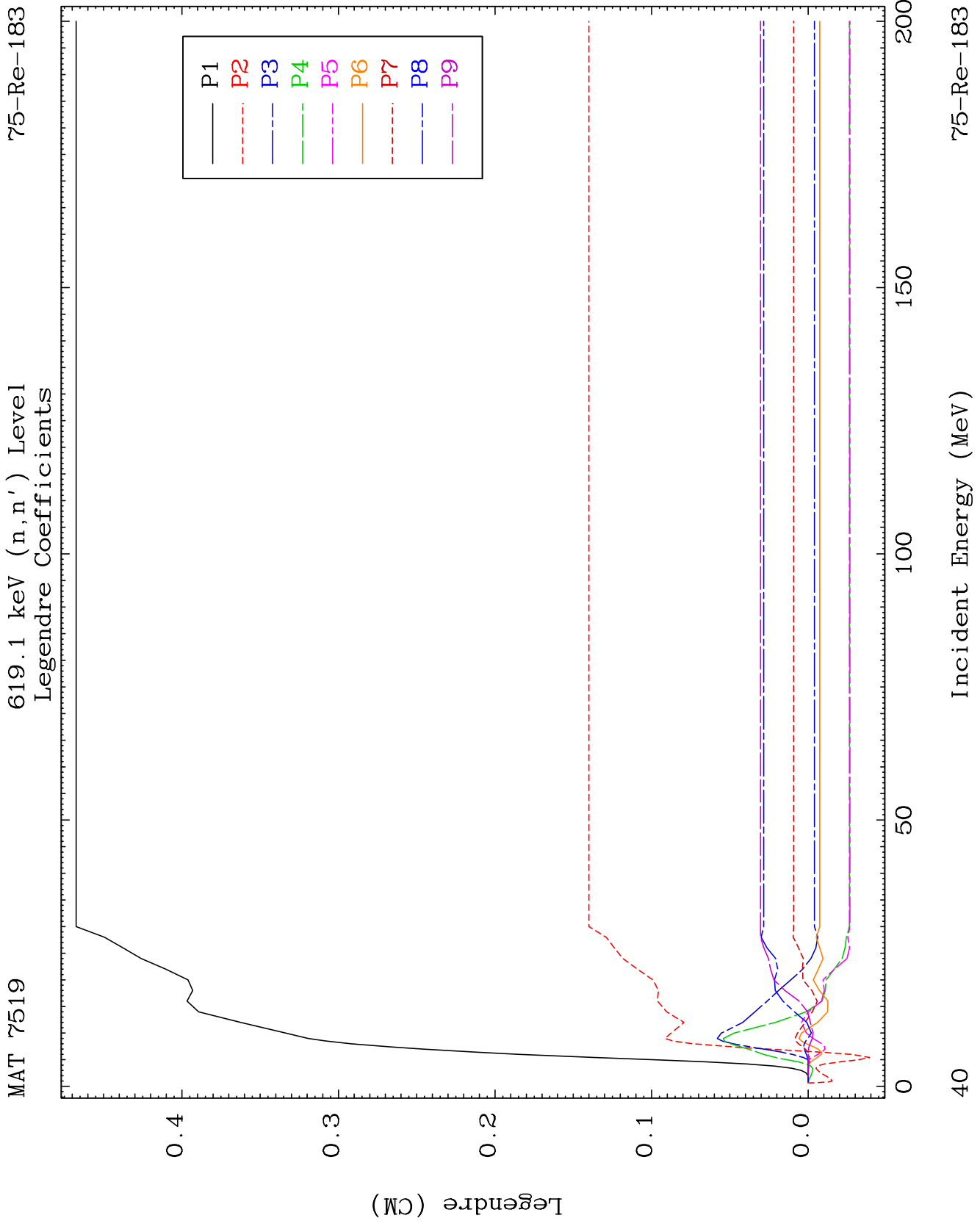
MAT 7519

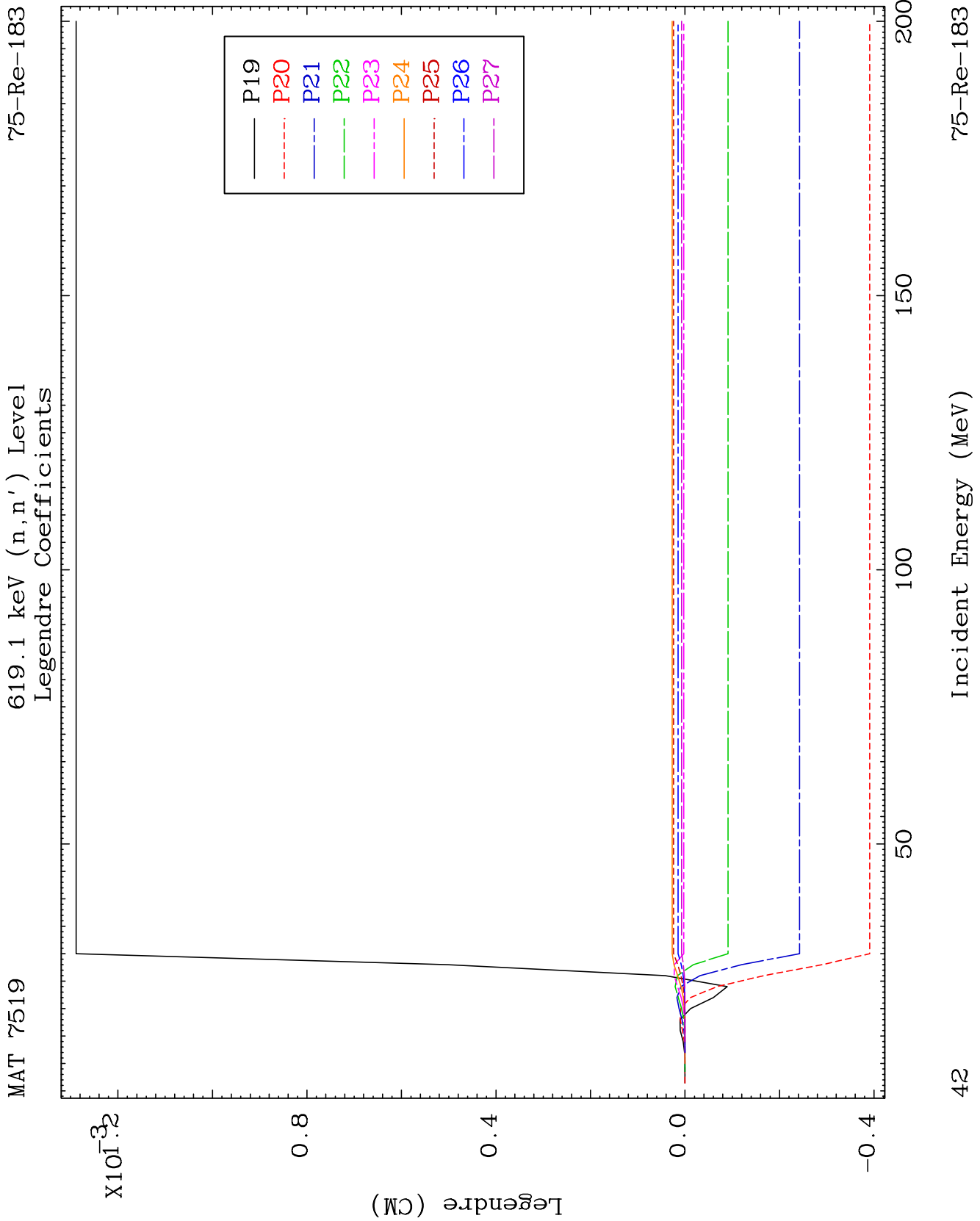
598.9 keV (n,n') Level
Legendre Coefficients

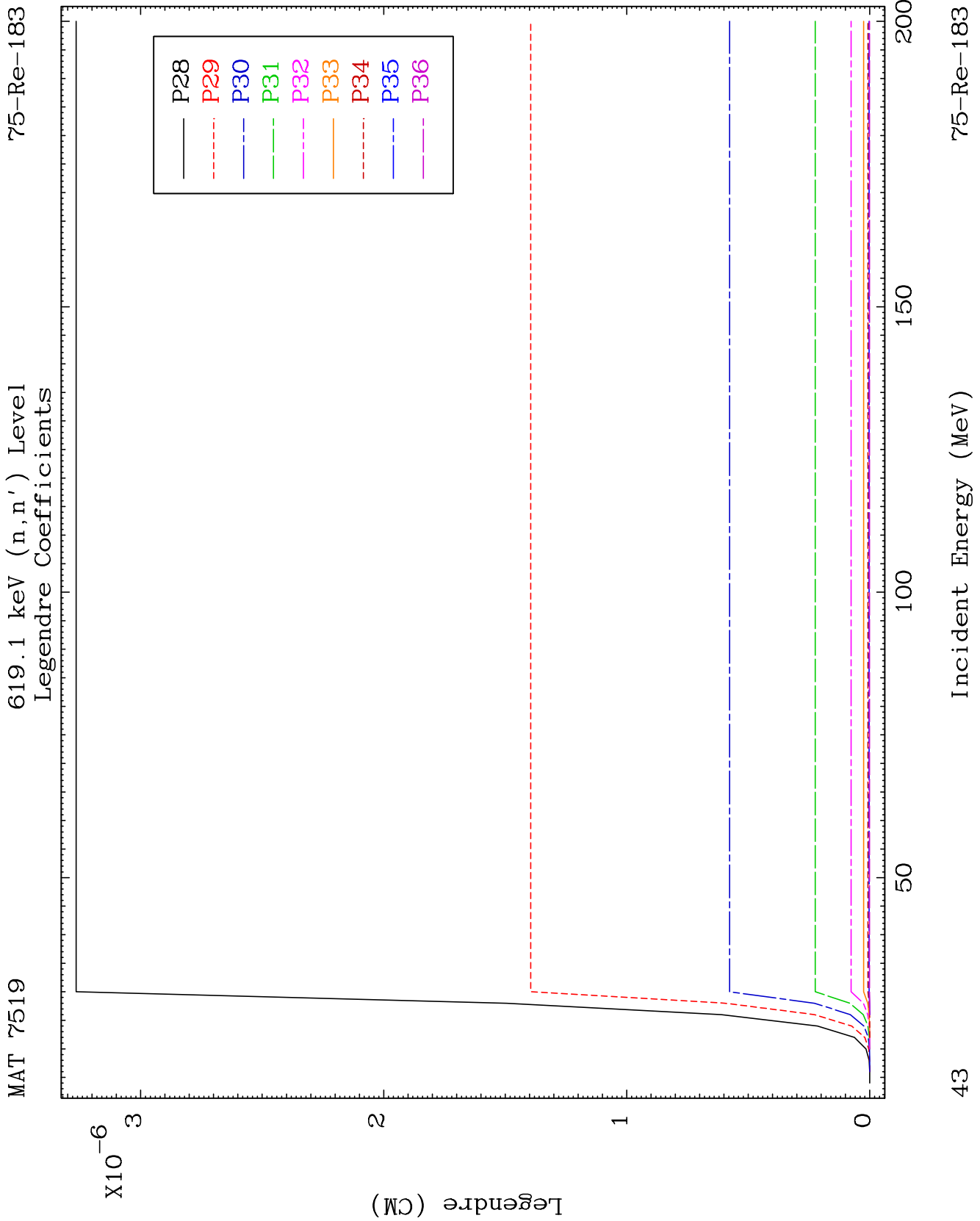
75-Re-183

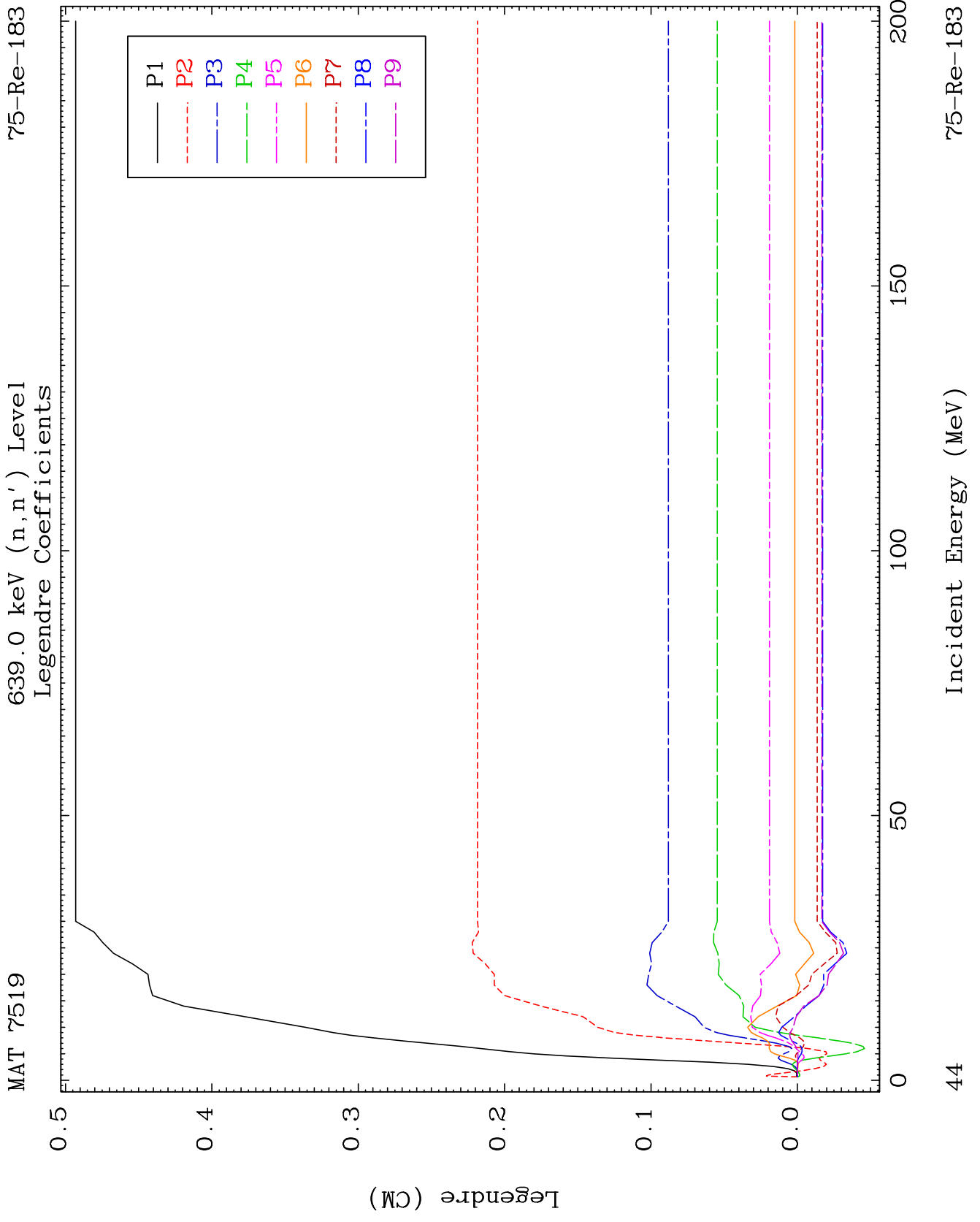


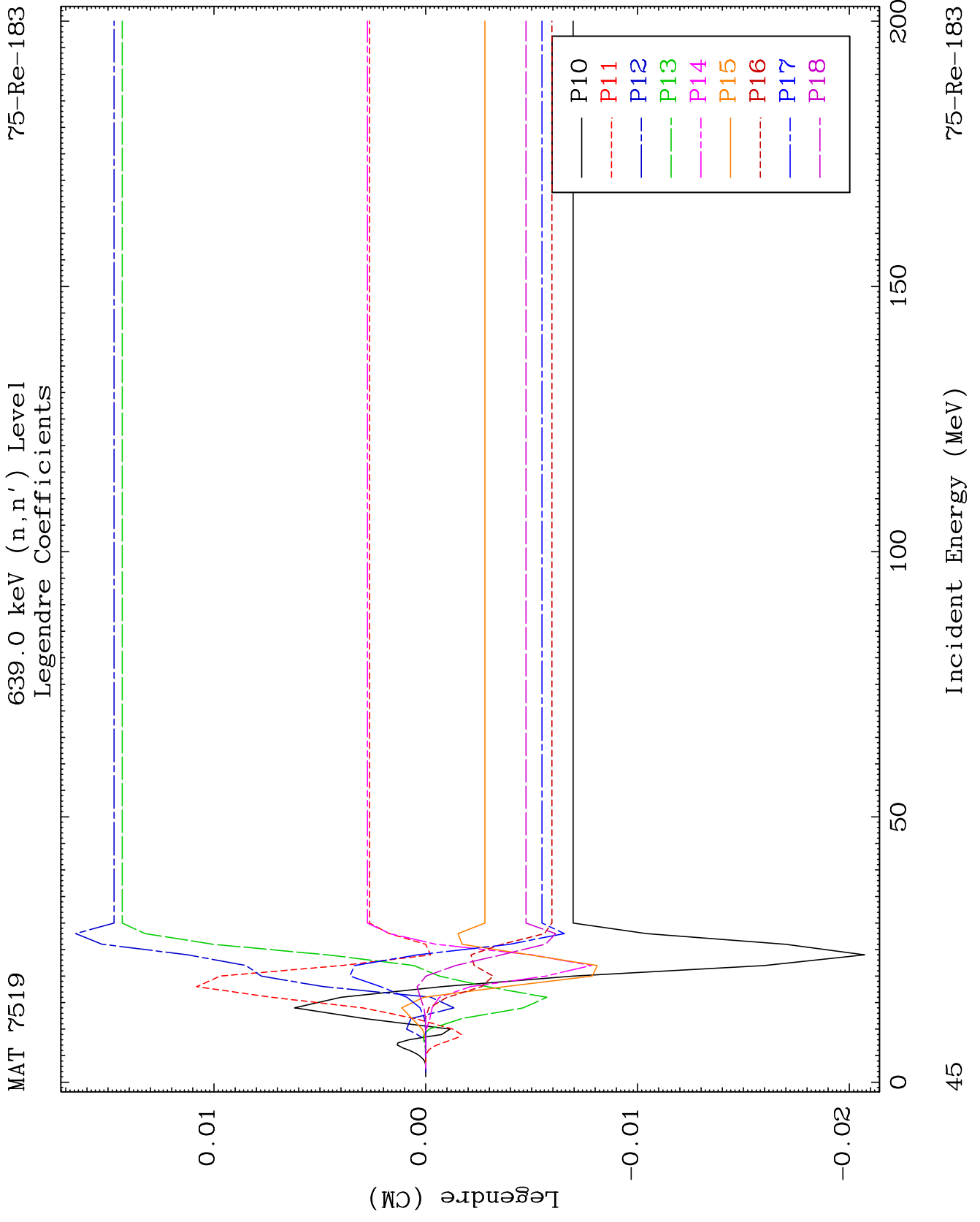








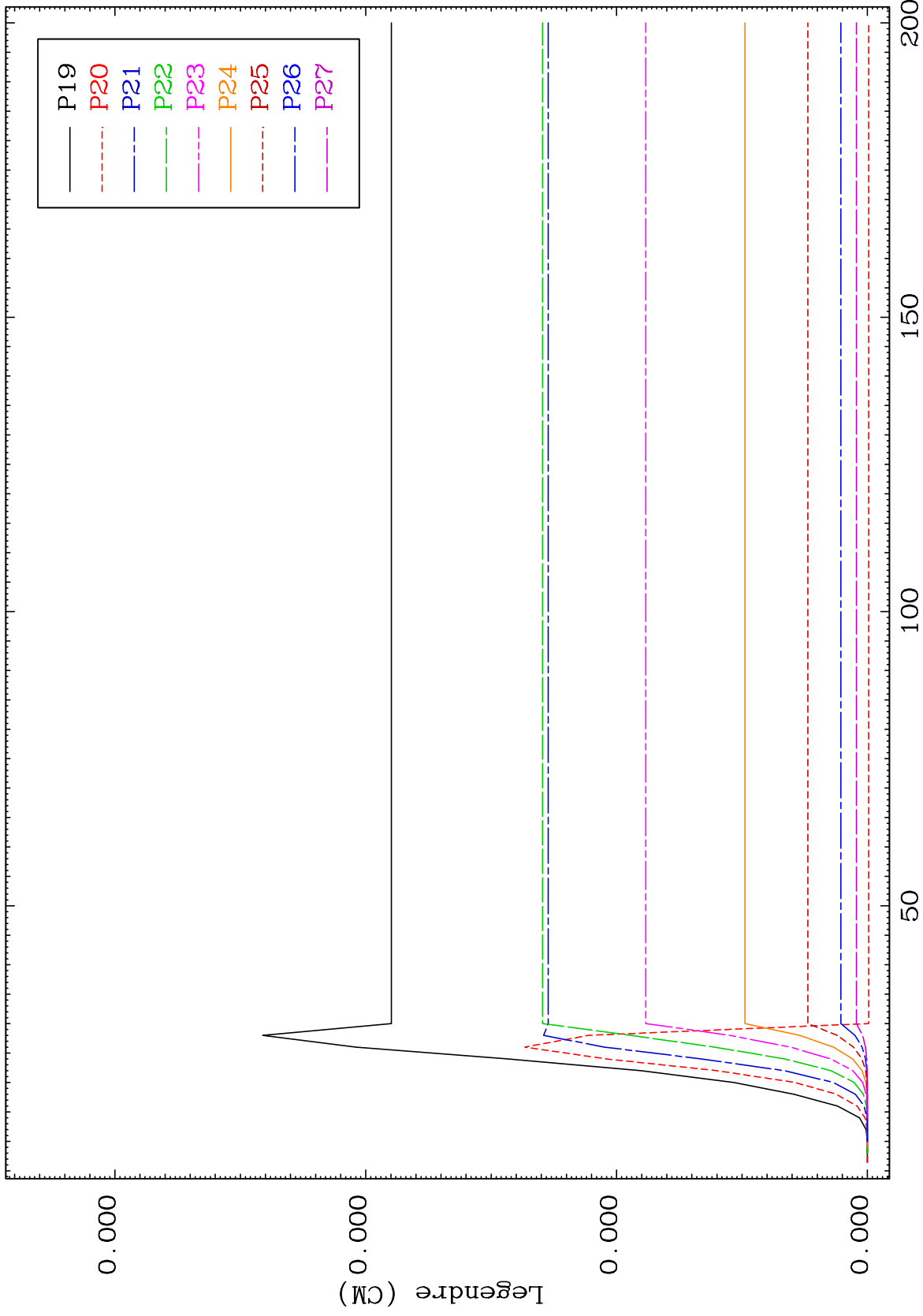




MAT 7519

639.0 keV (n,n') Level
Legendre Coefficients

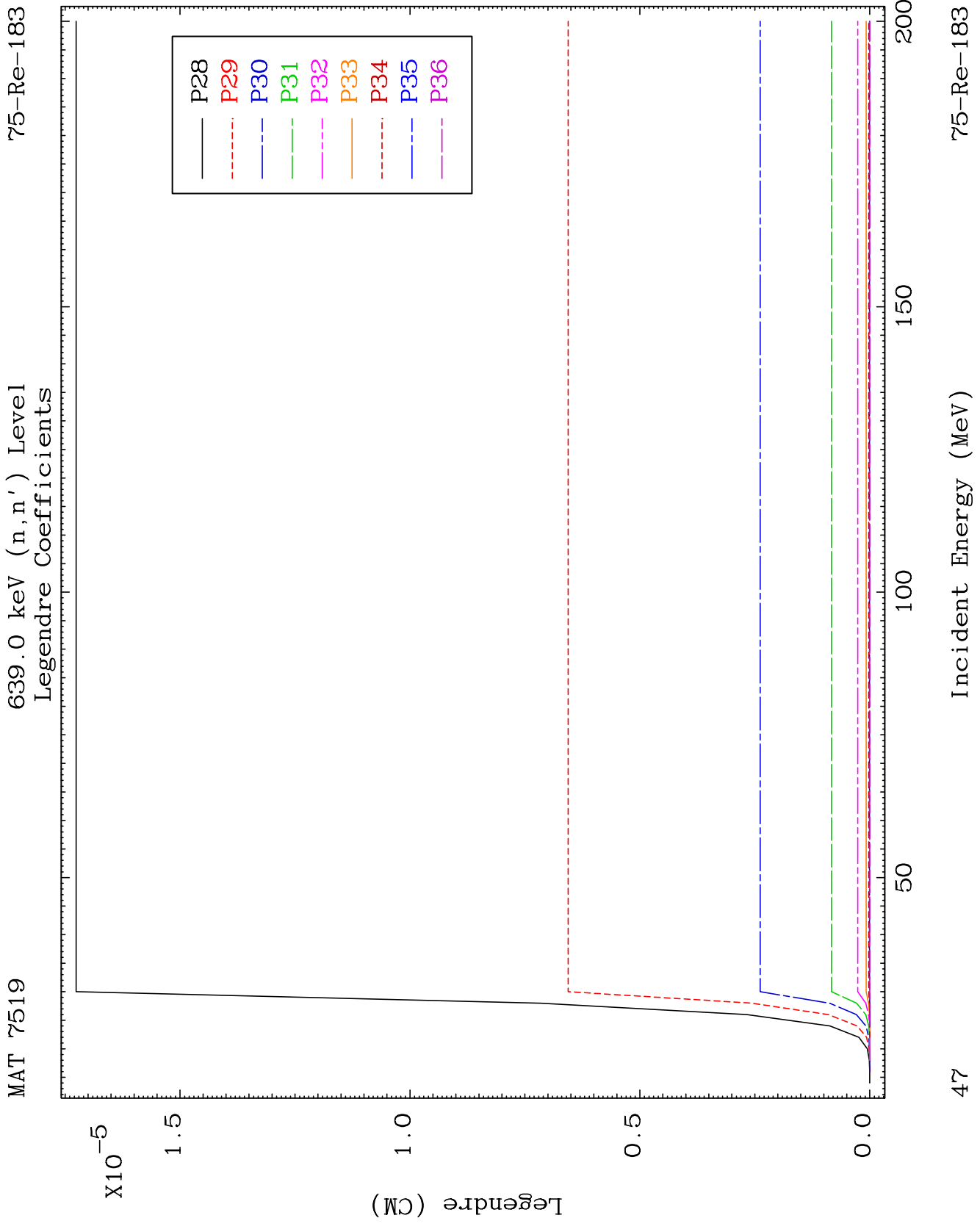
75-Re-183

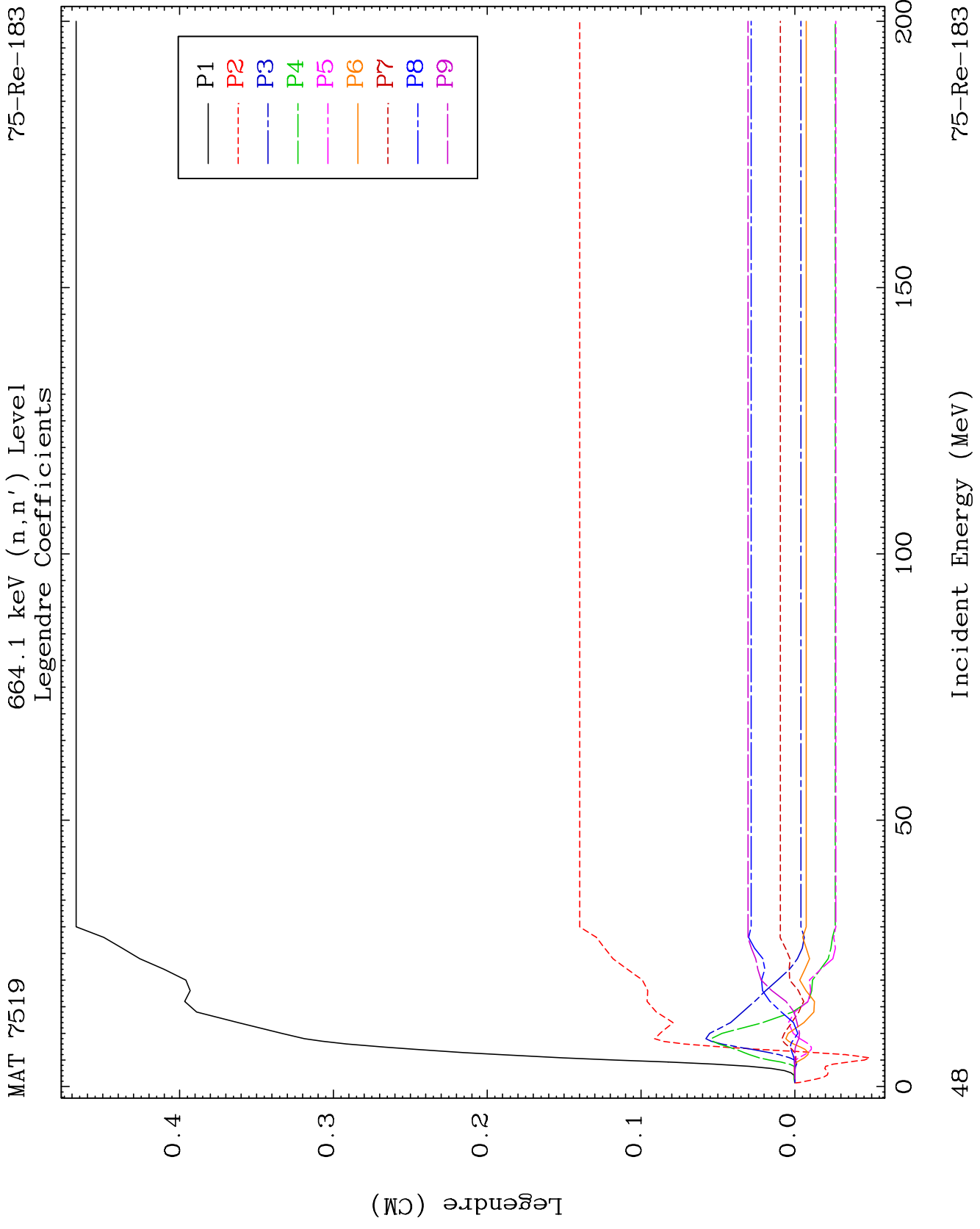


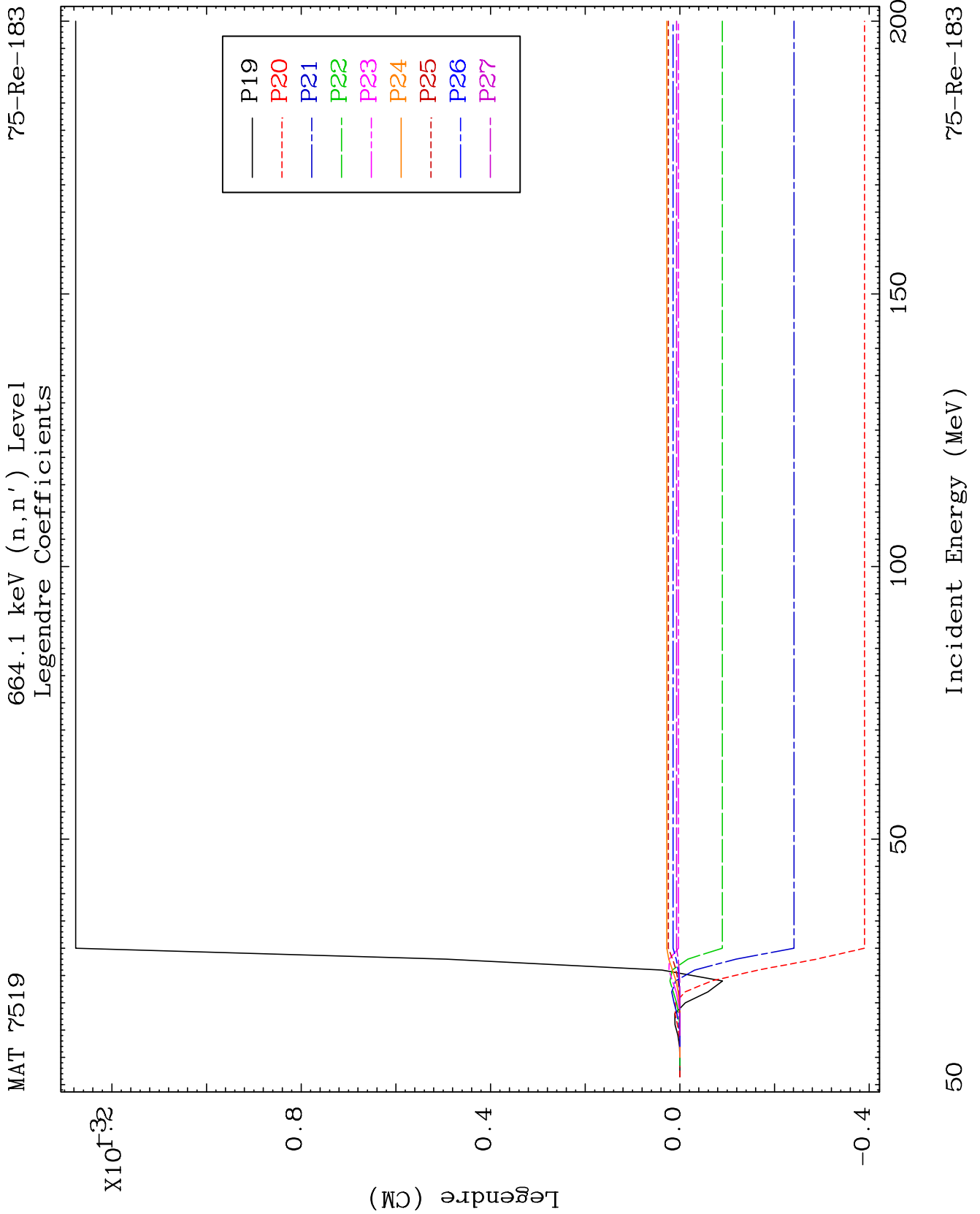
46

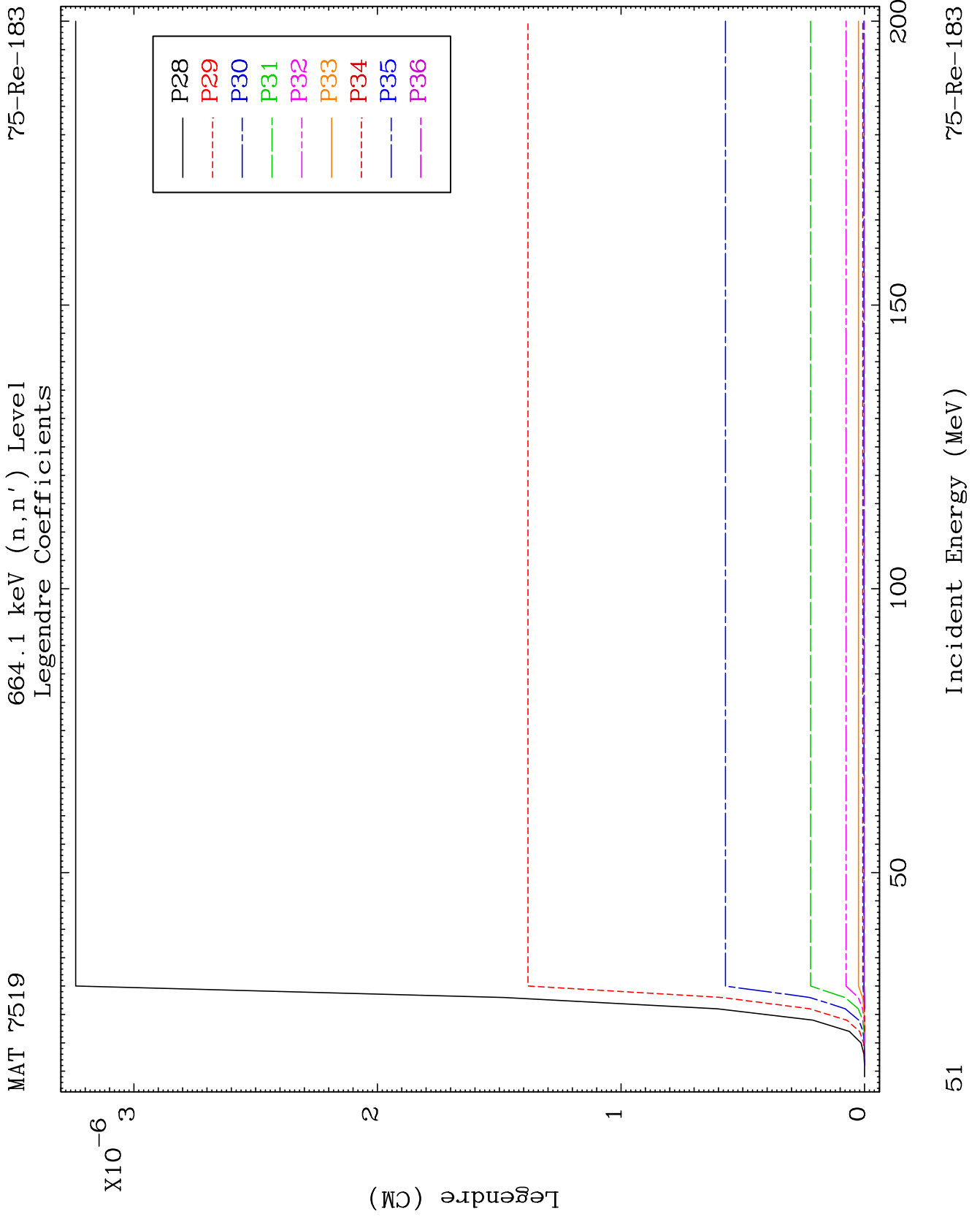
Incident Energy (MeV)

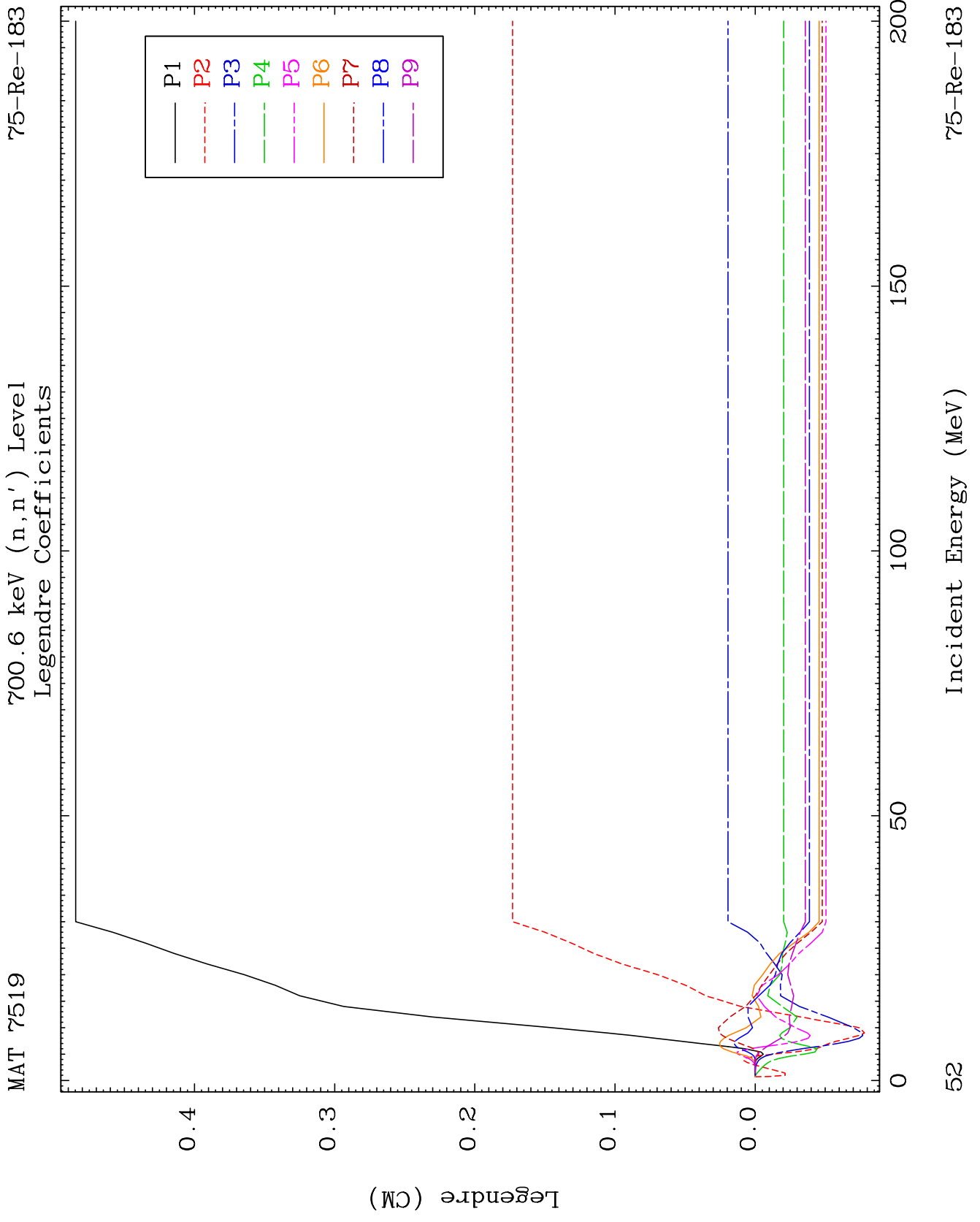
75-Re-183

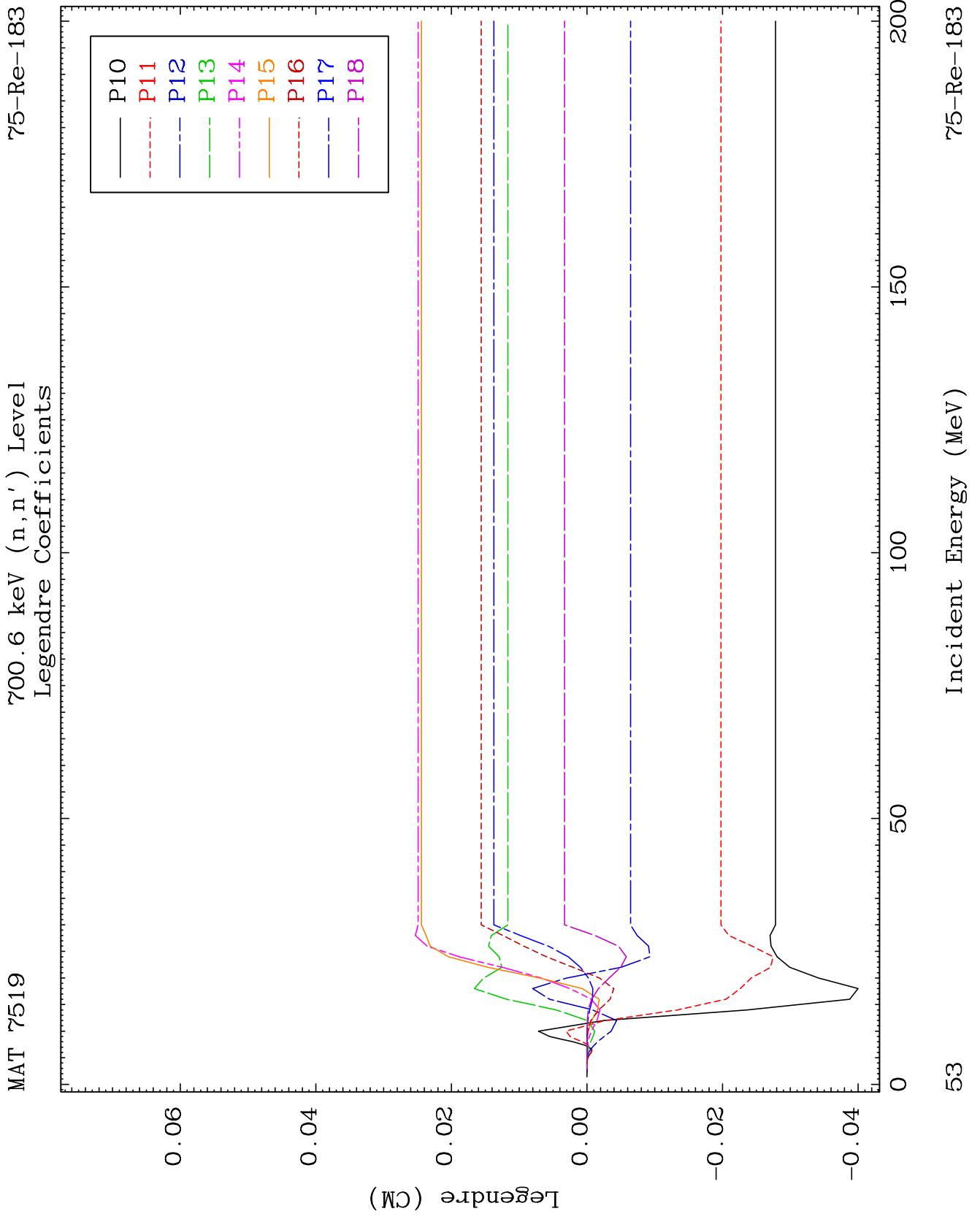


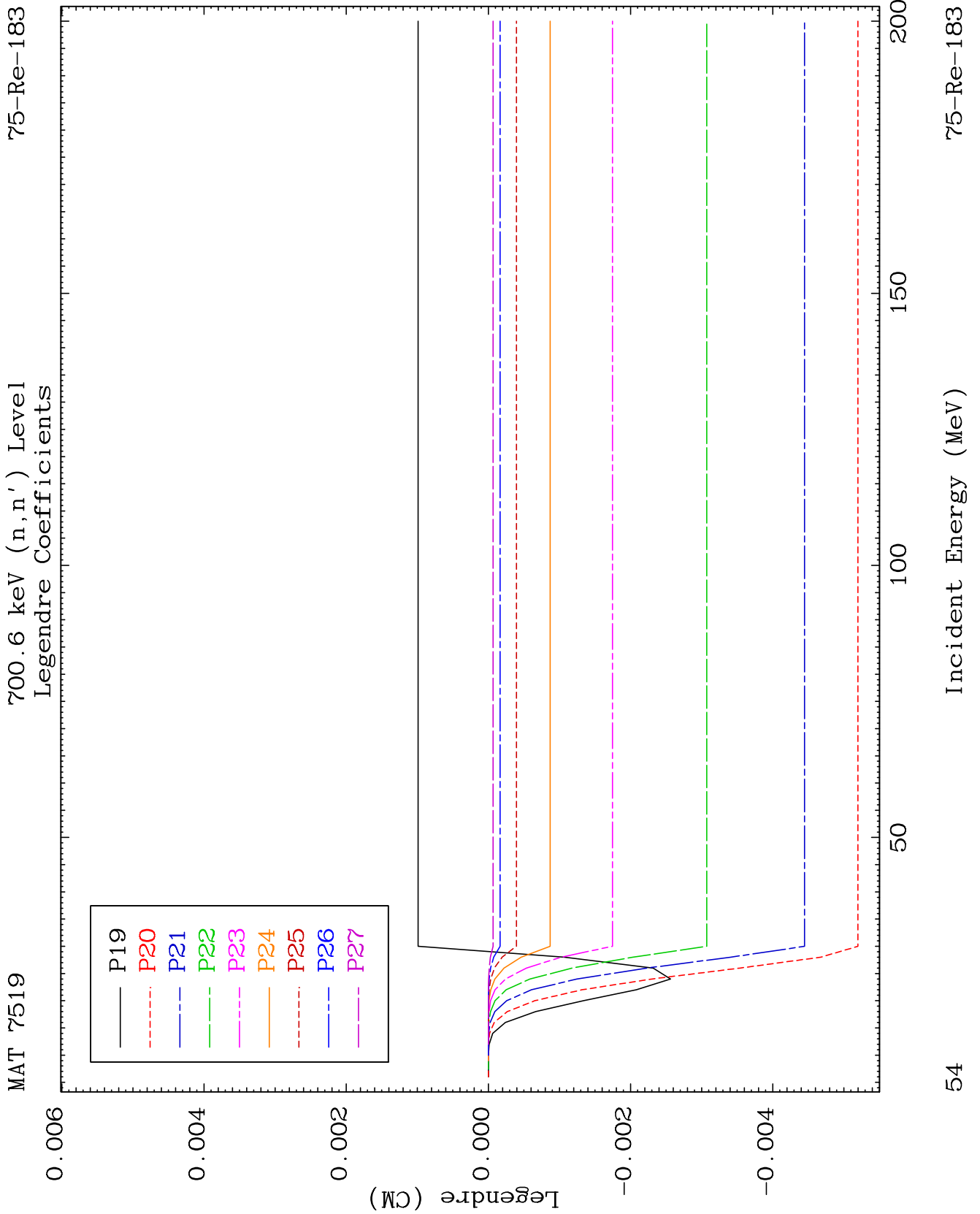


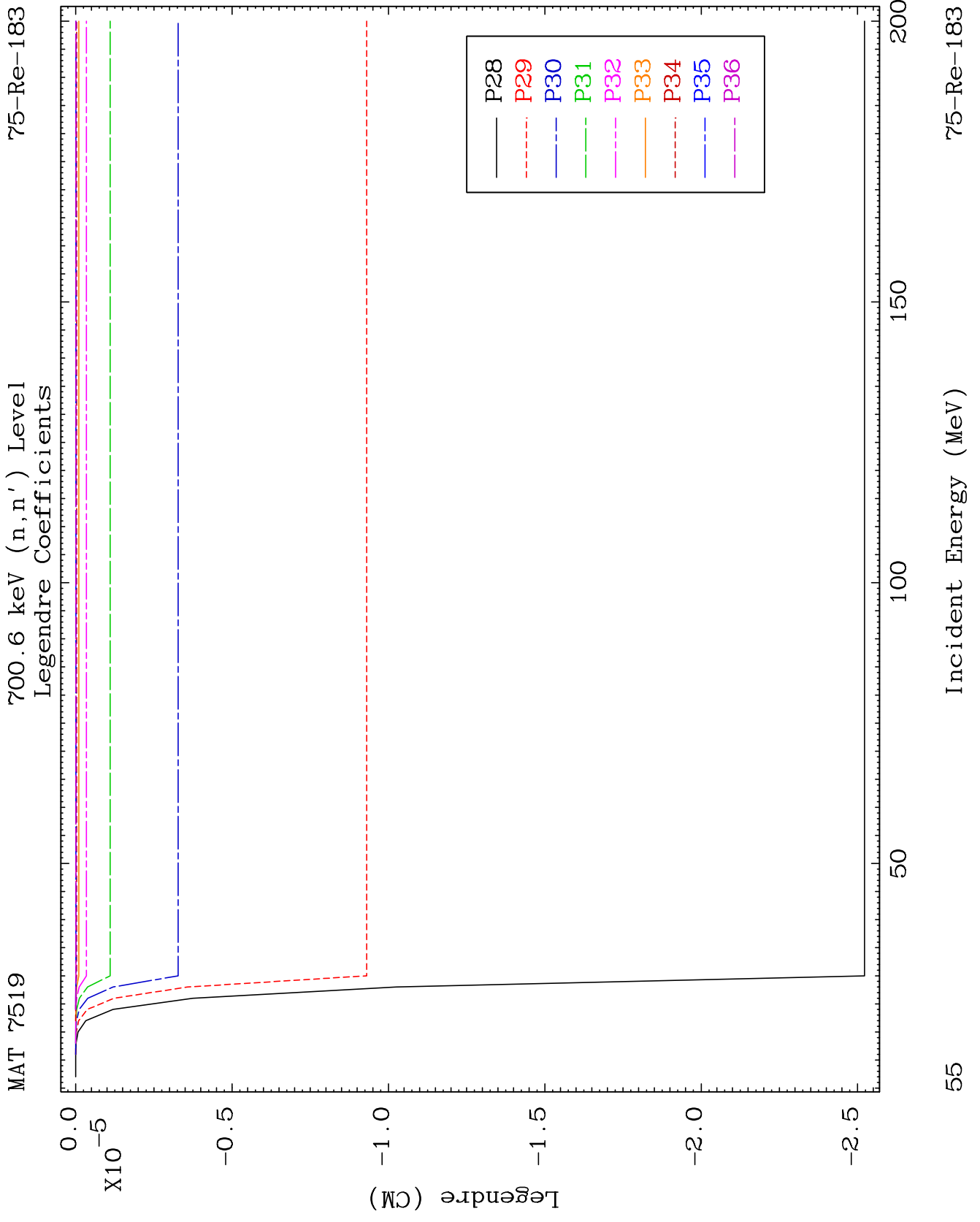


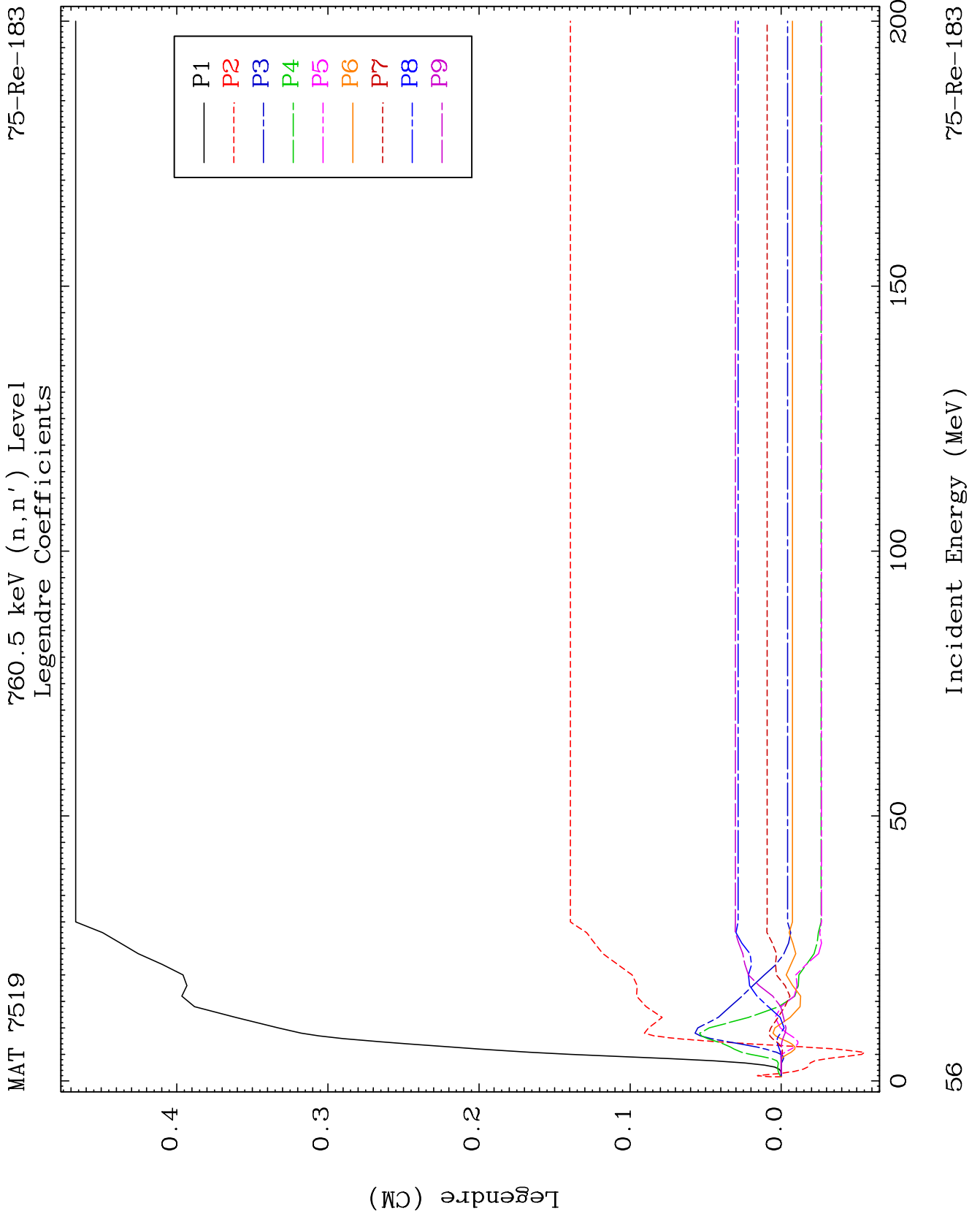


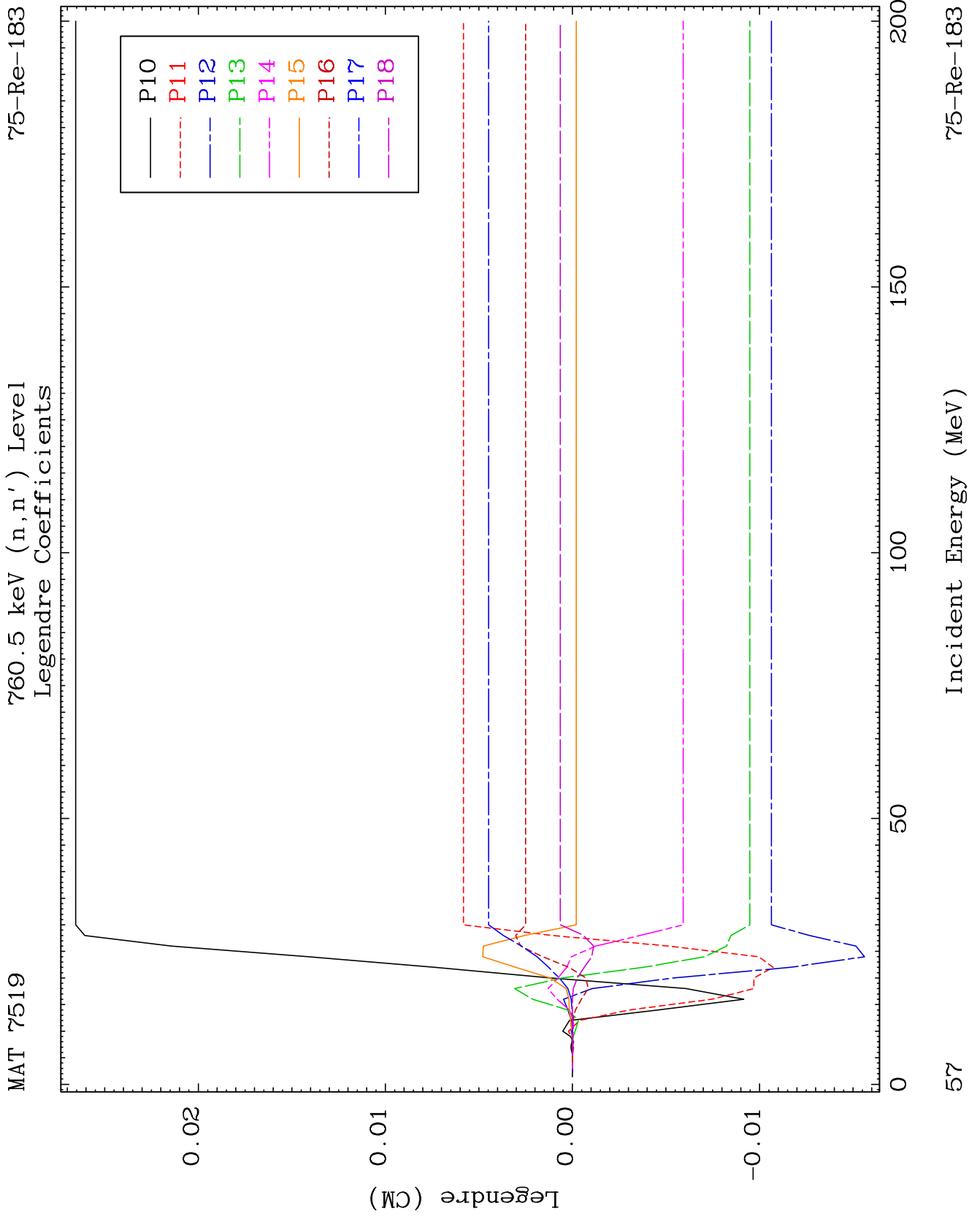


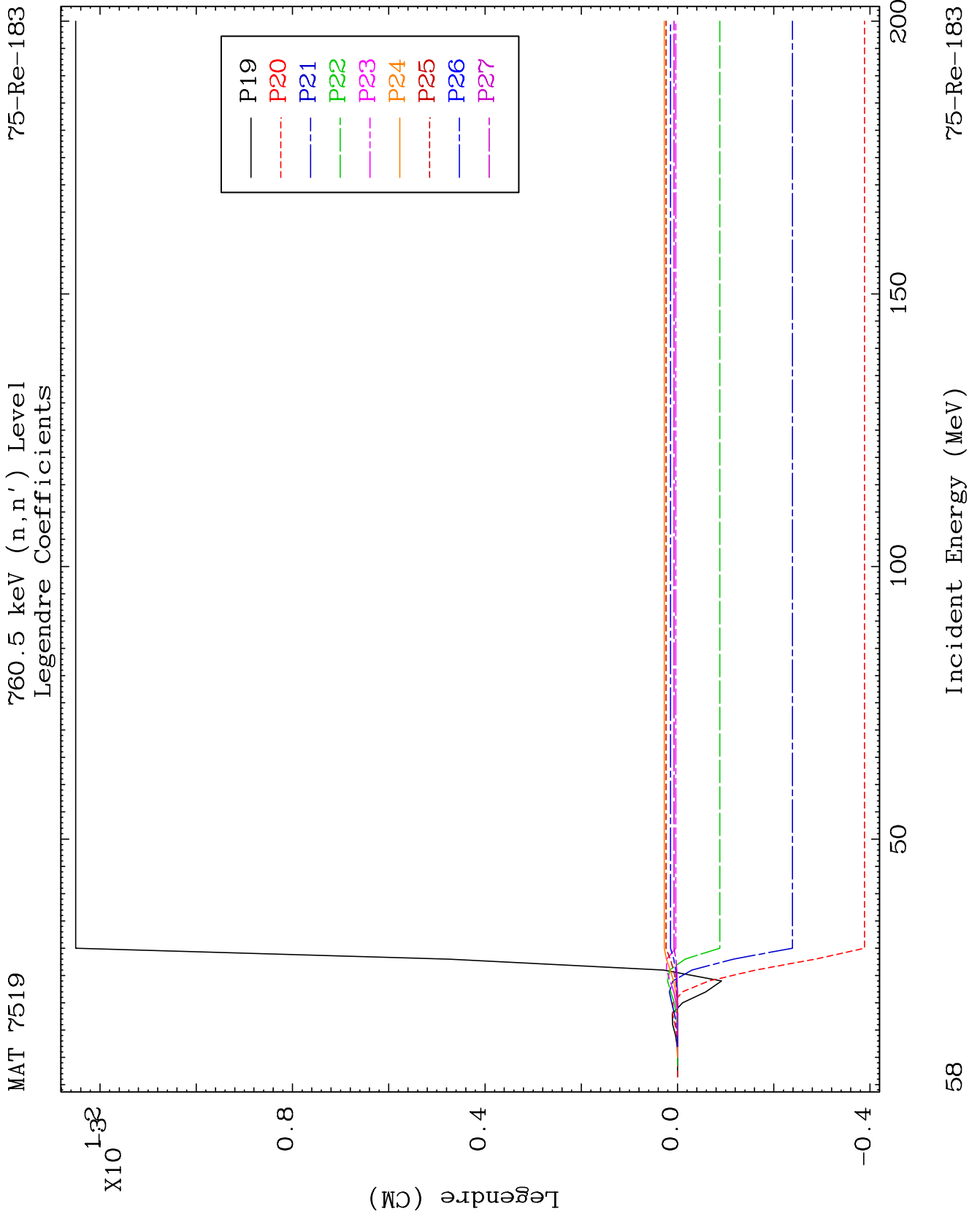


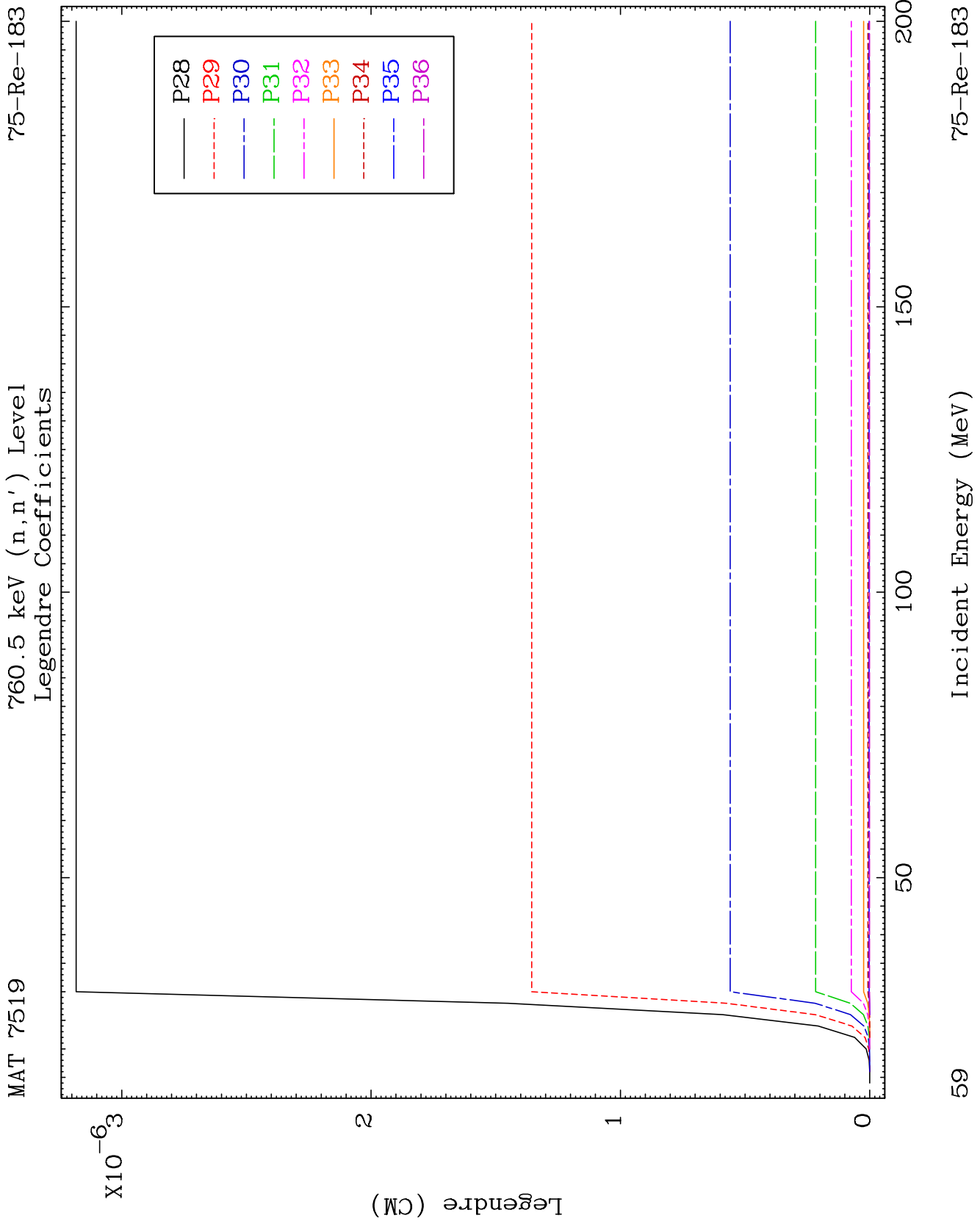


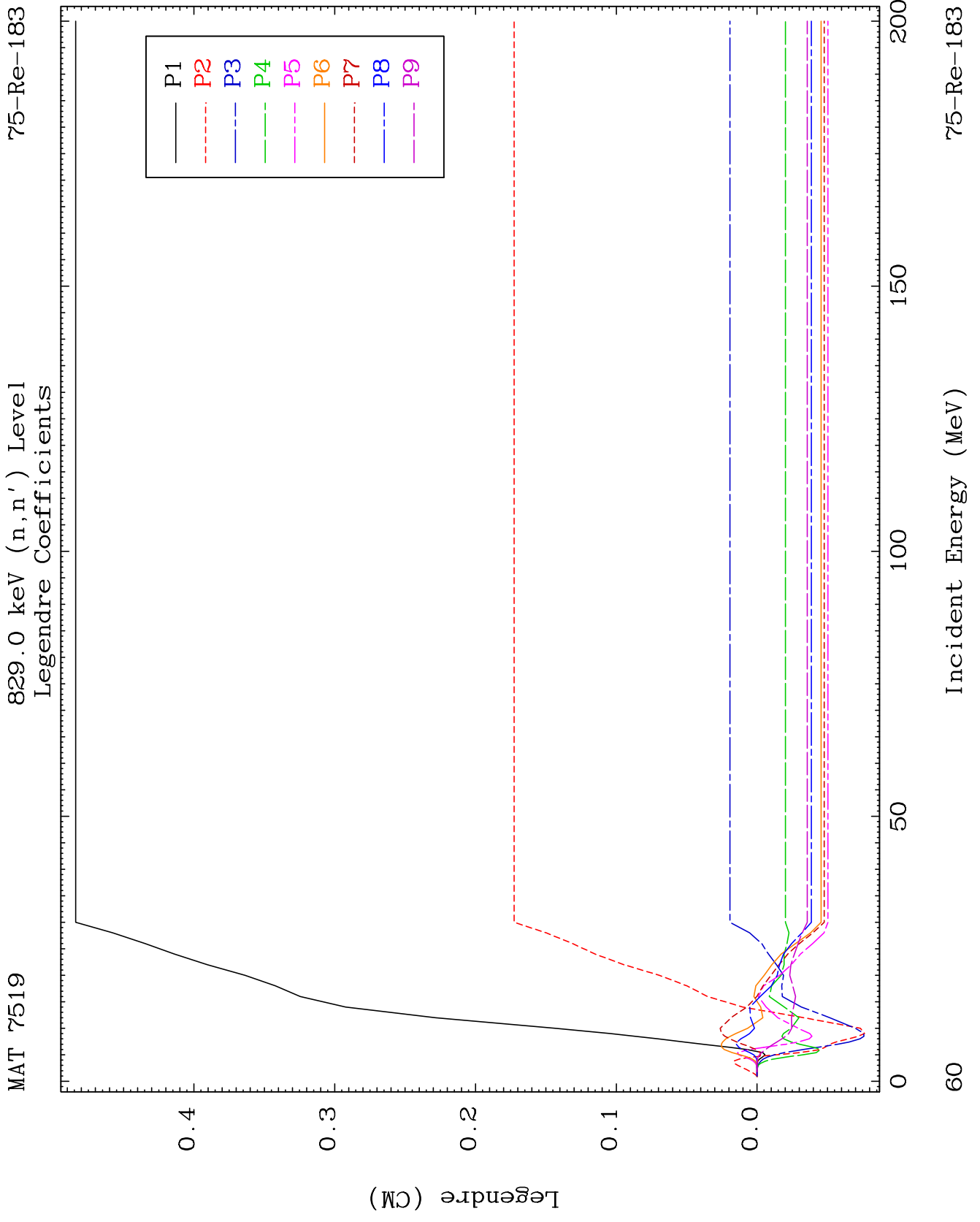


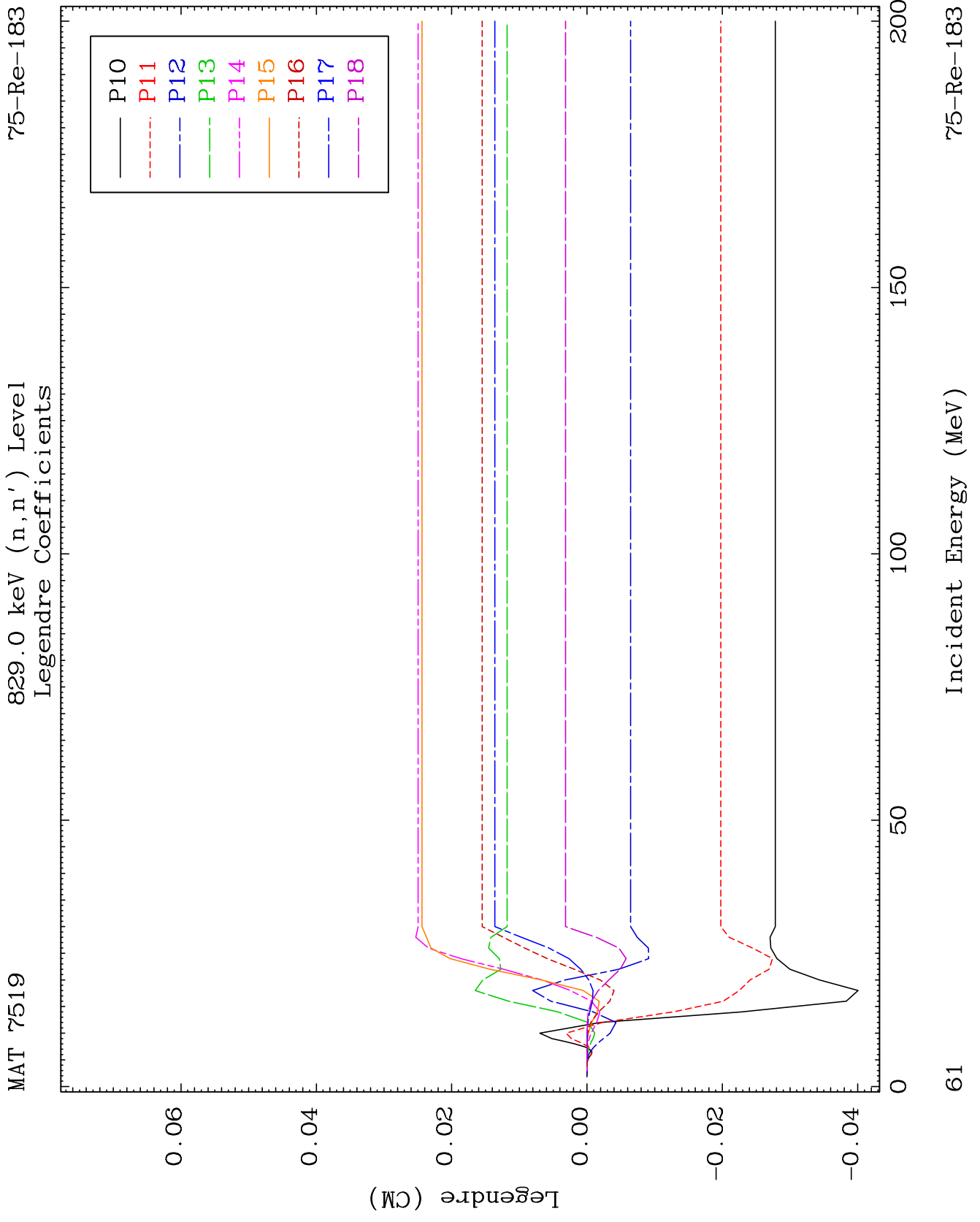








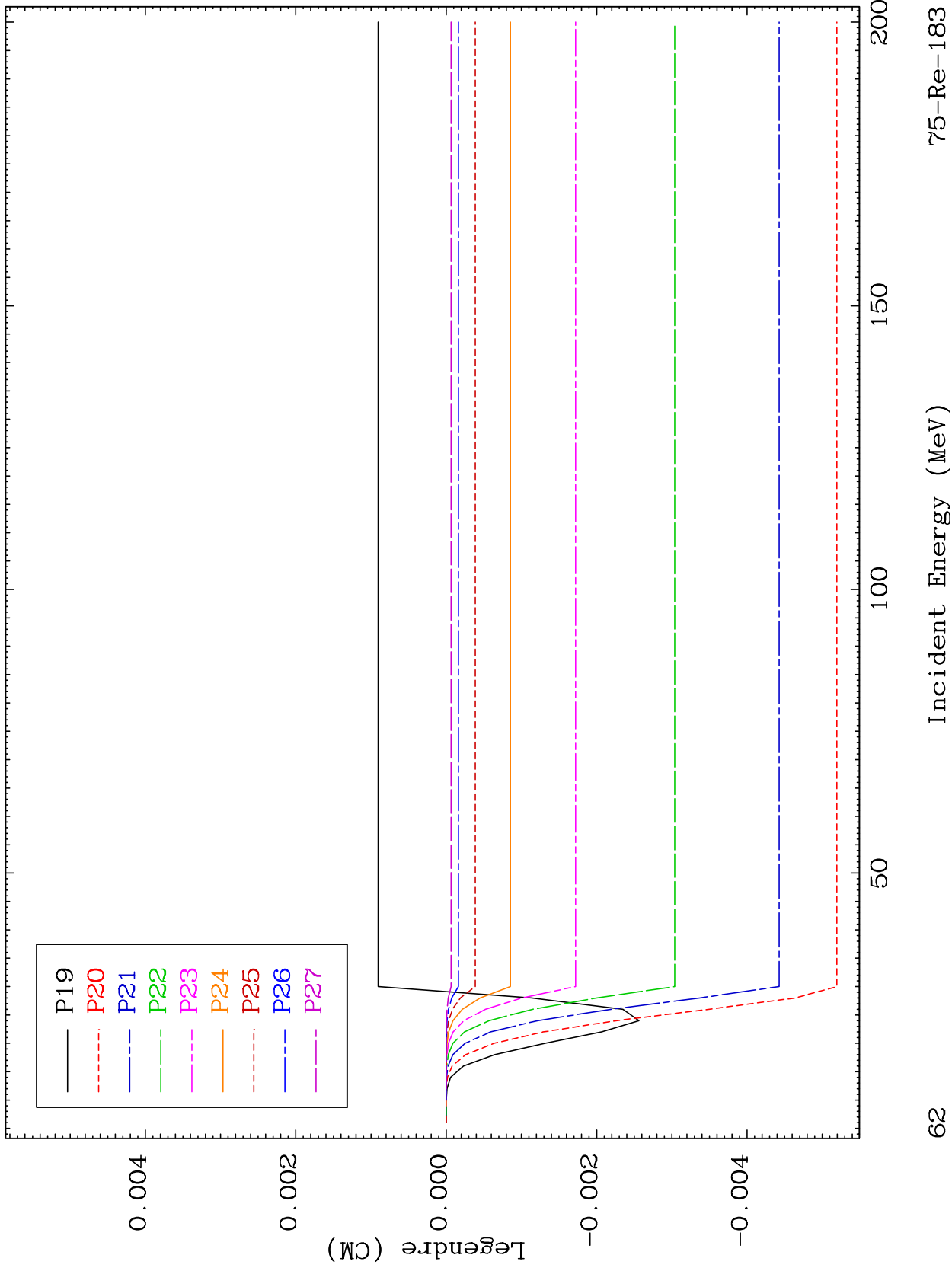




MAT 7519

829.0 keV (n,n') Level
Legendre Coefficients

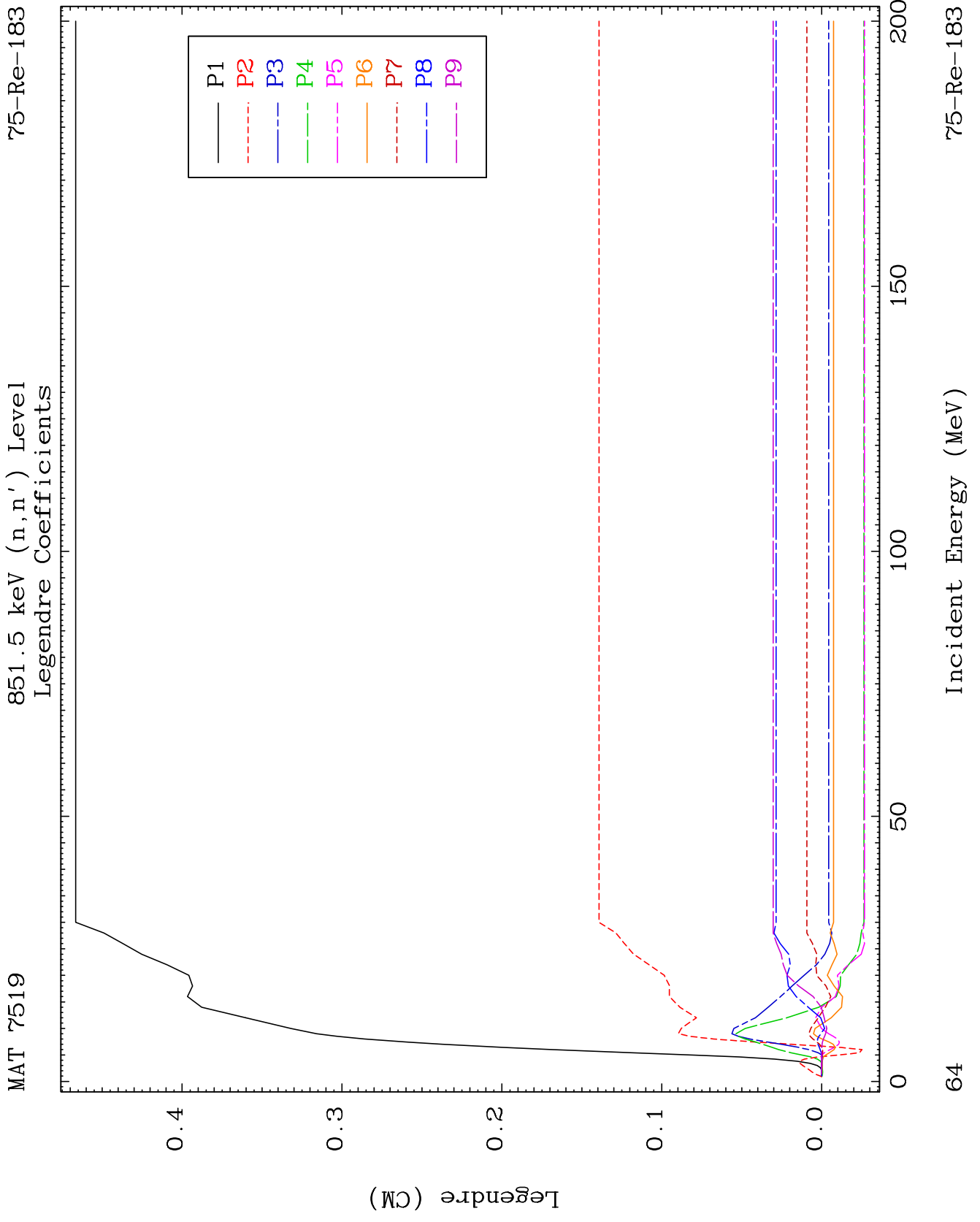
75-Re-183

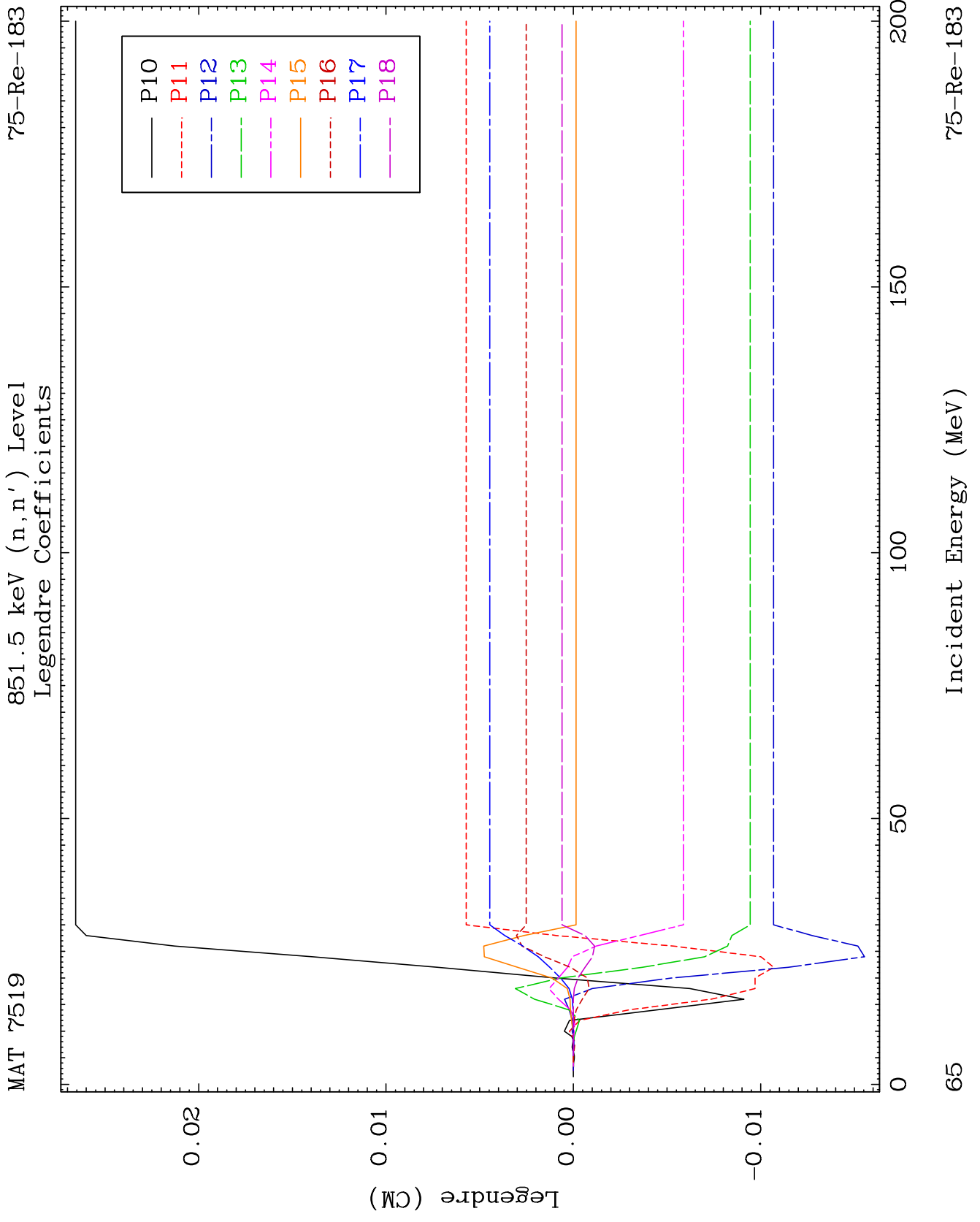


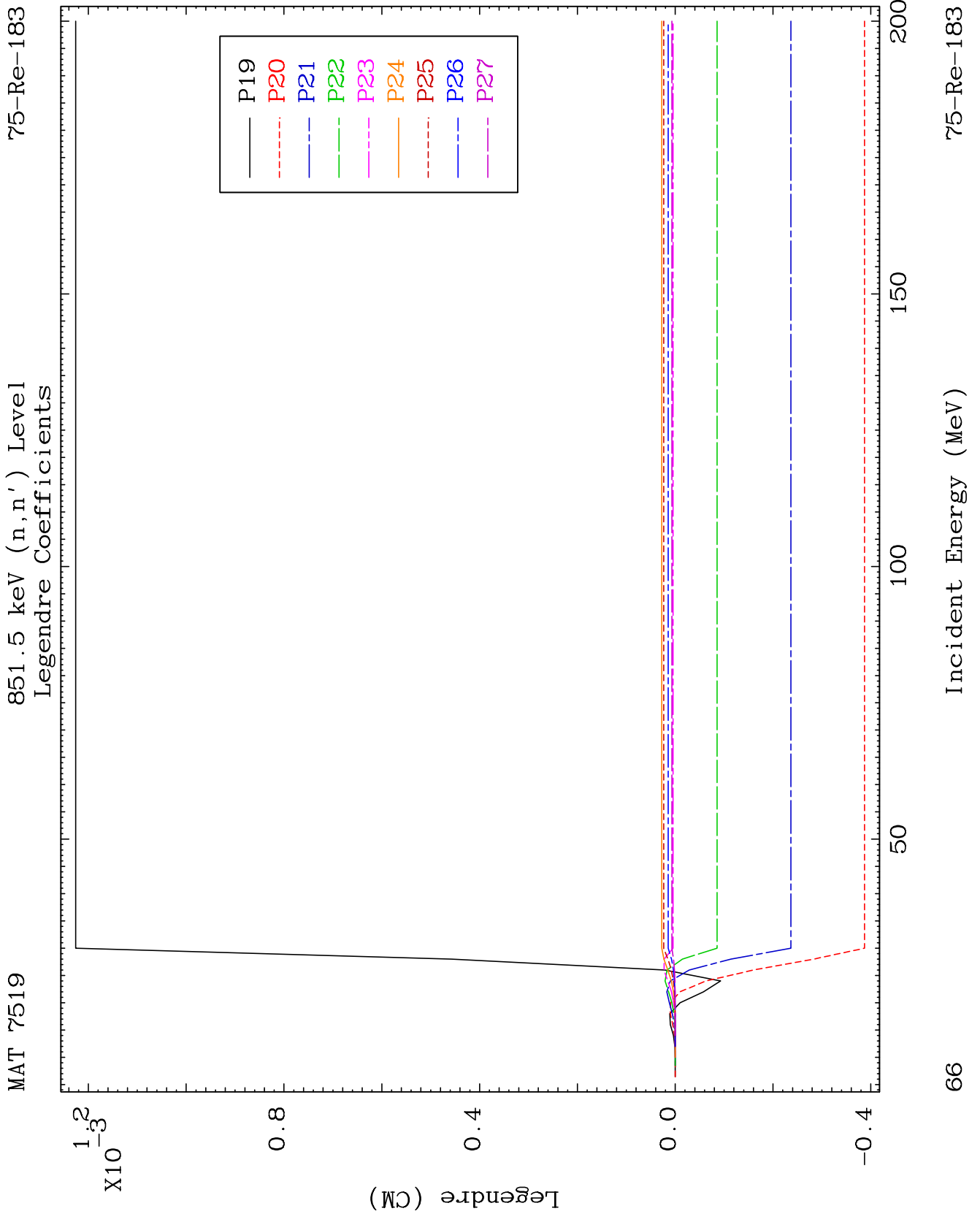
62

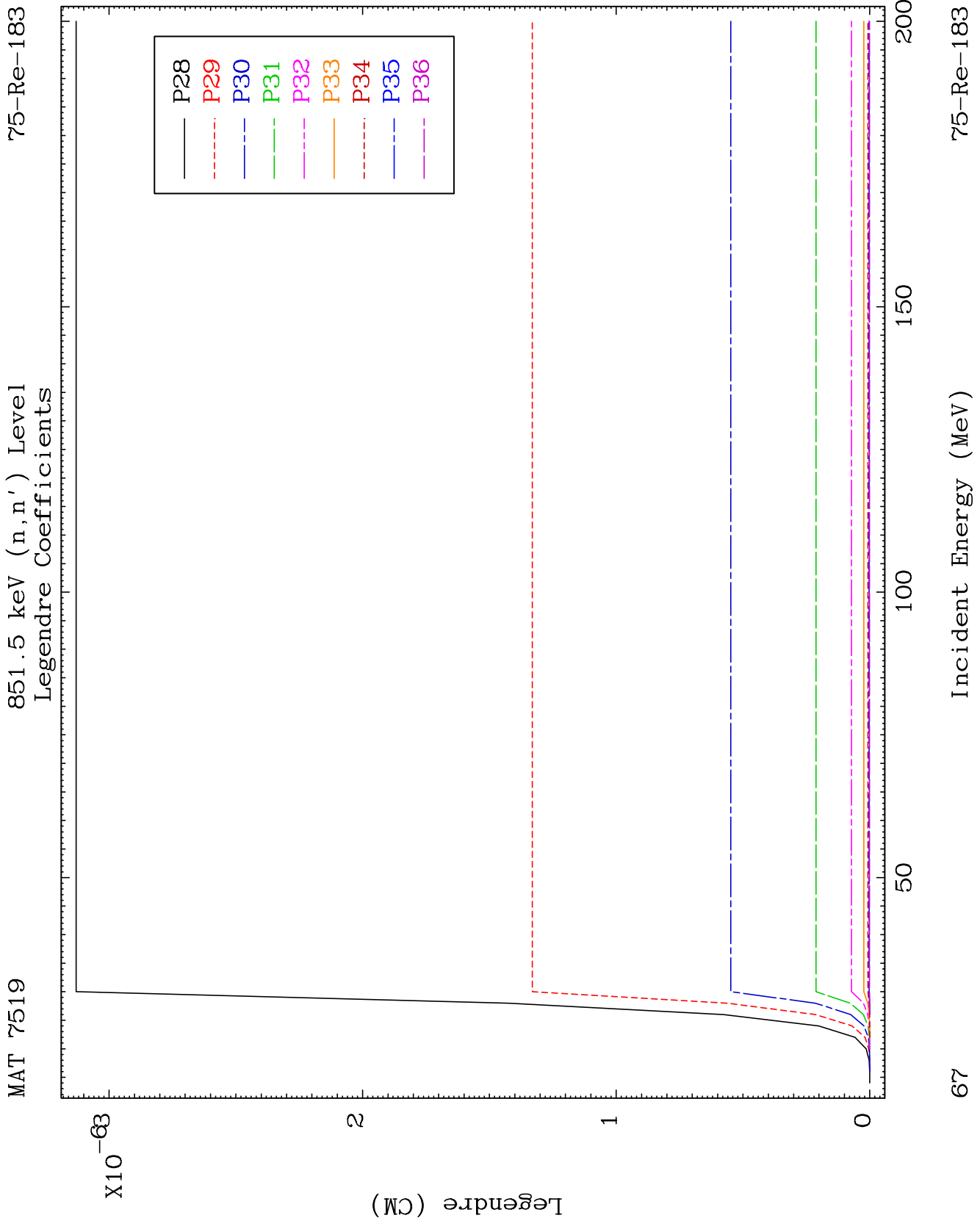
Incident Energy (MeV)

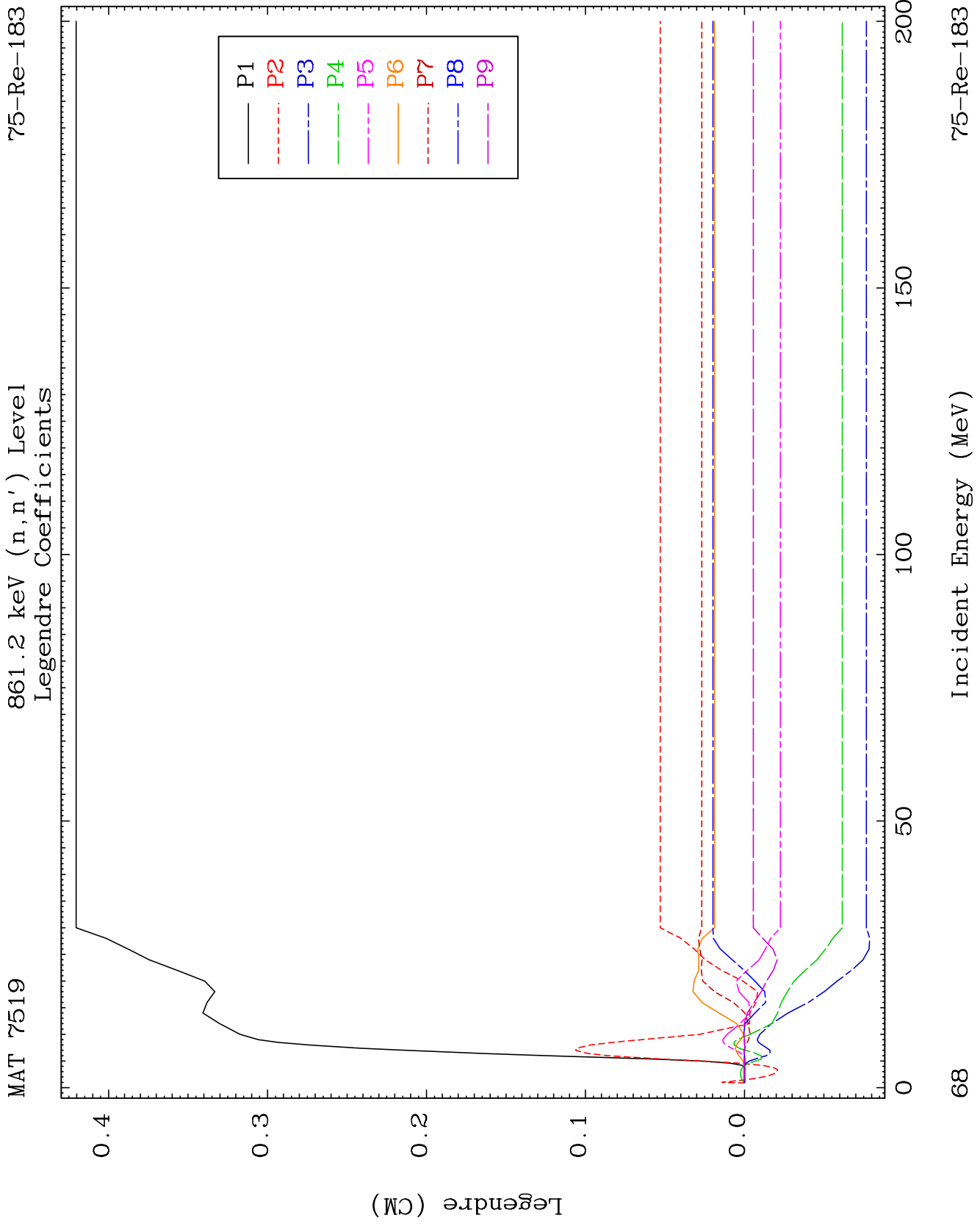
75-Re-183







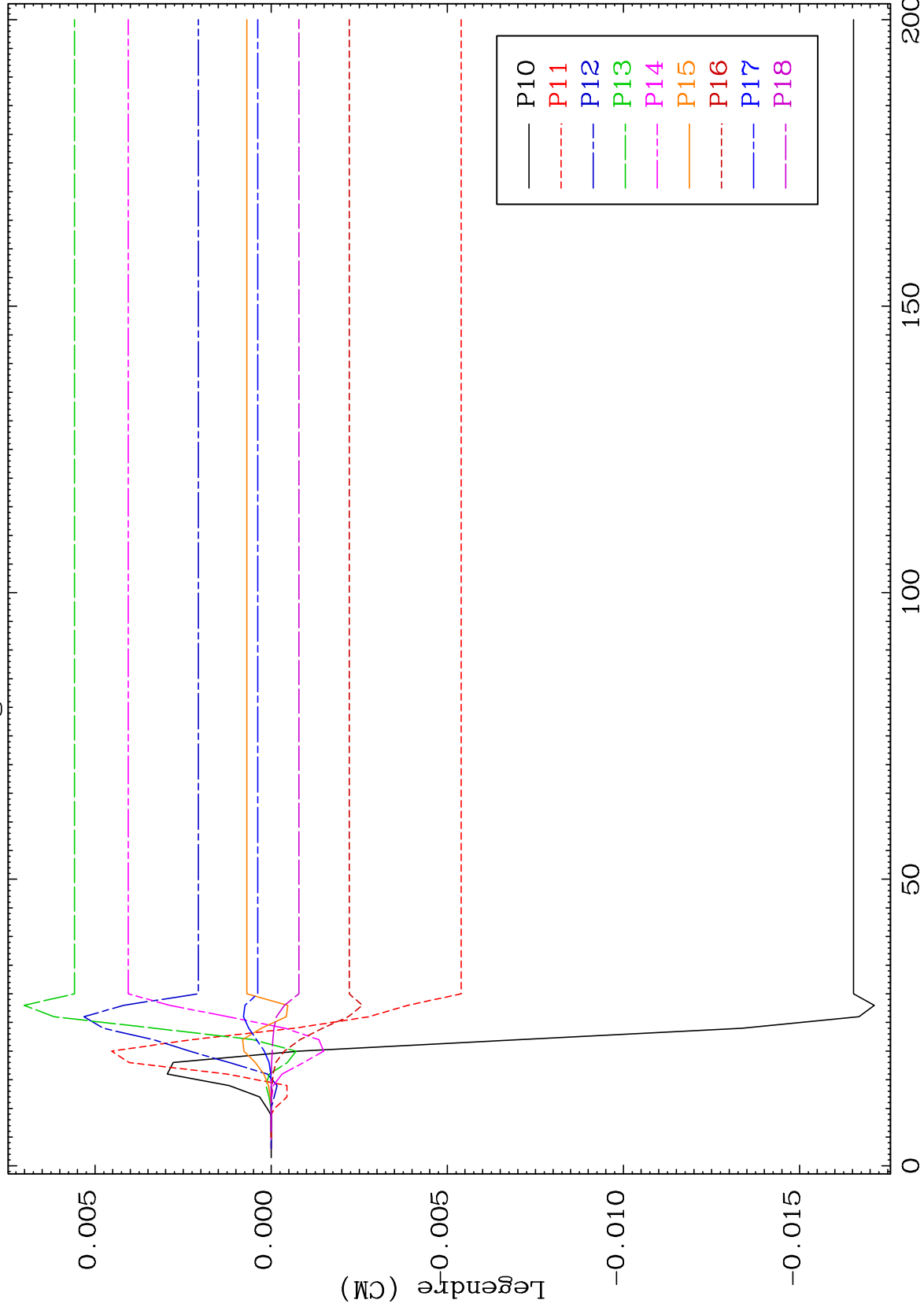




MAT 7519

861.2 keV (n,n') Level
Legendre Coefficients

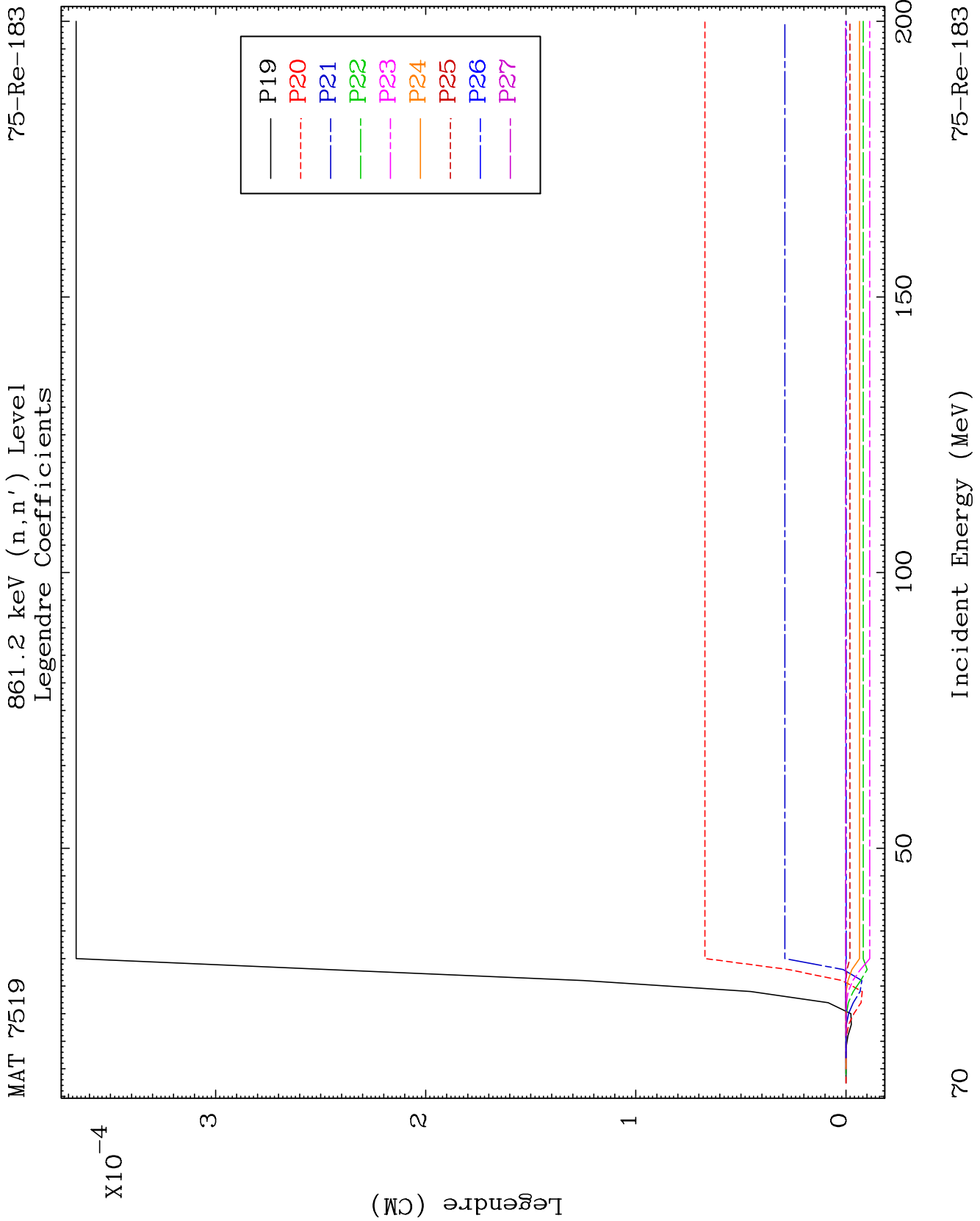
75-Re-183



69

Incident Energy (MeV)

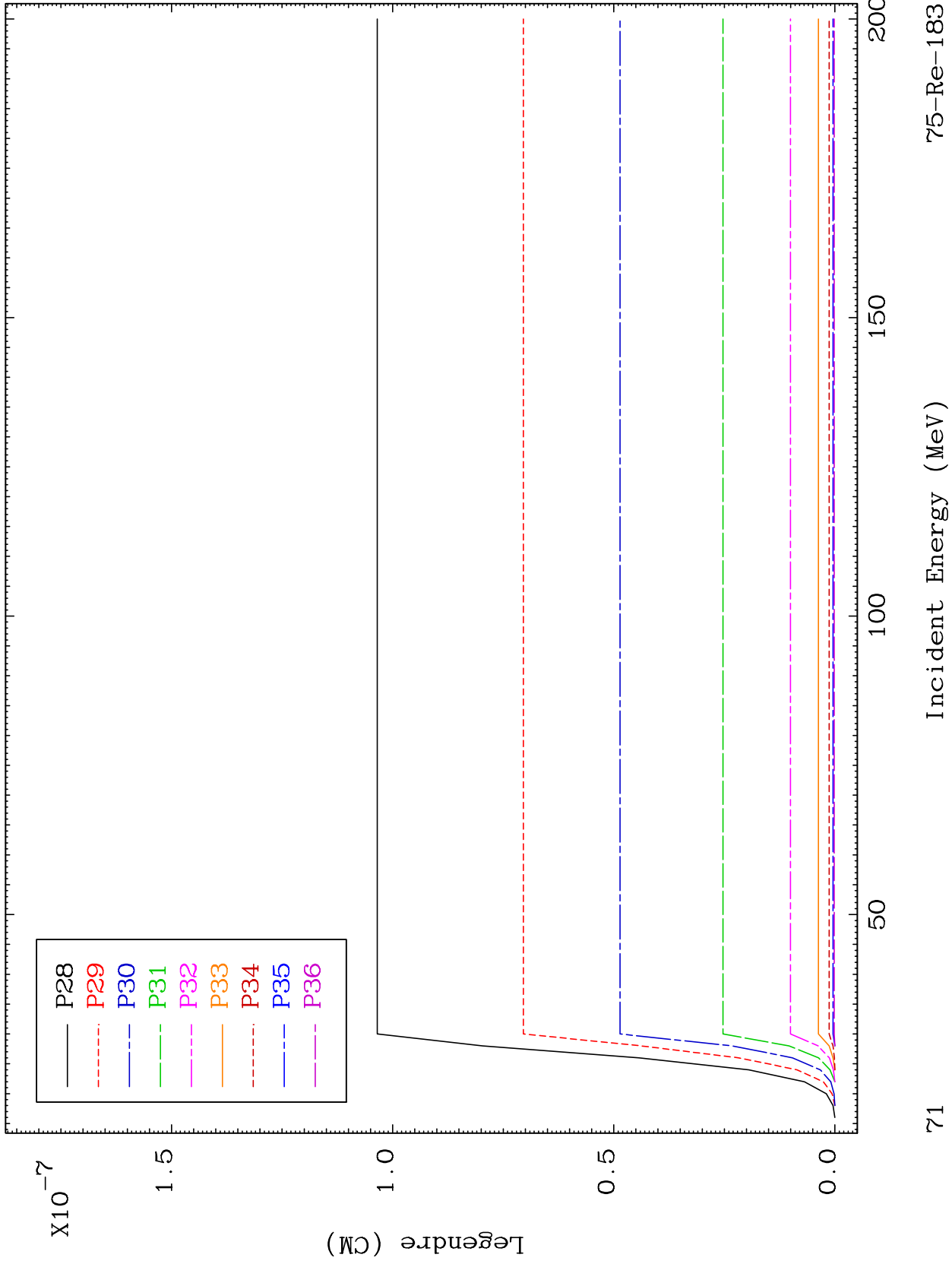
75-Re-183

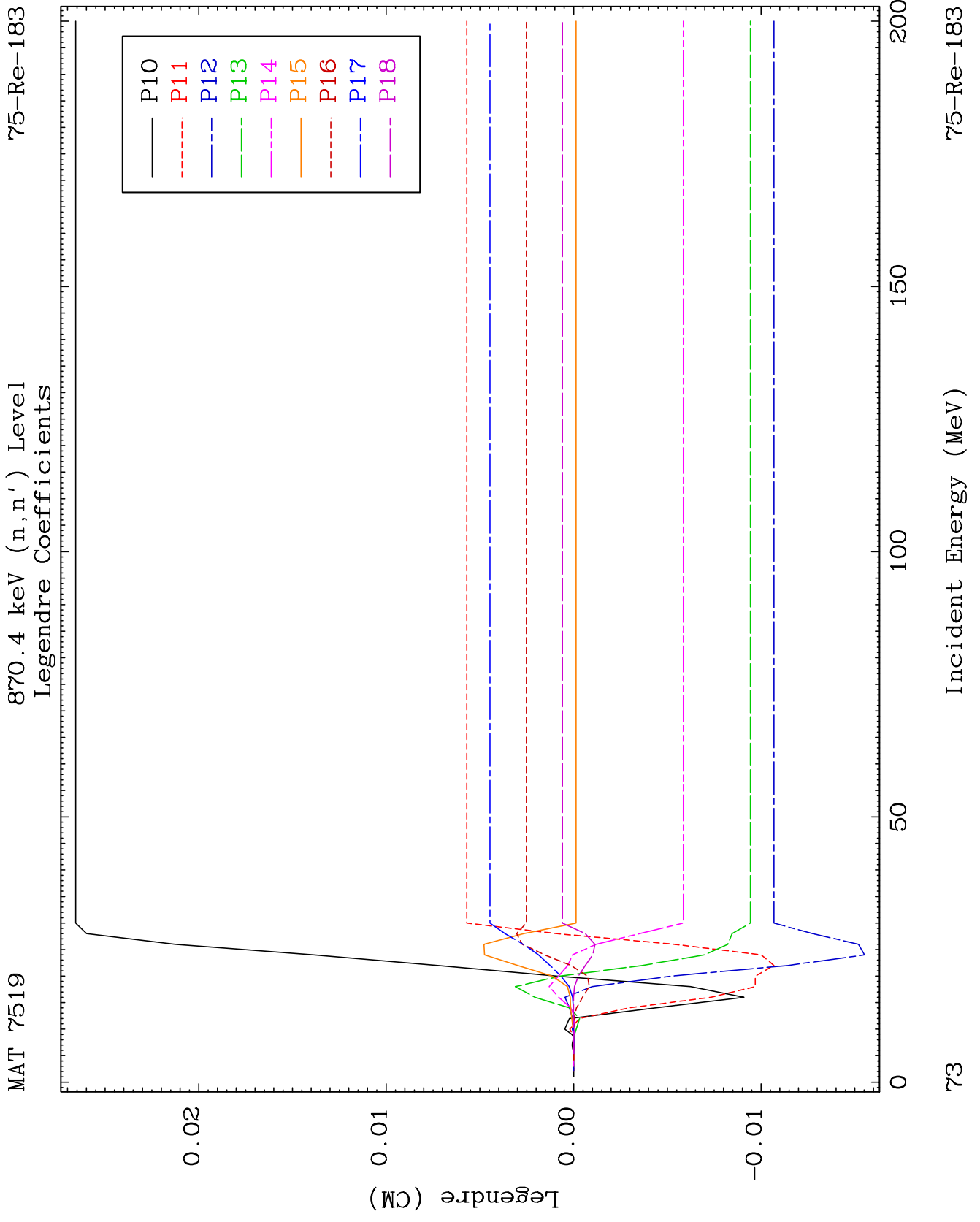


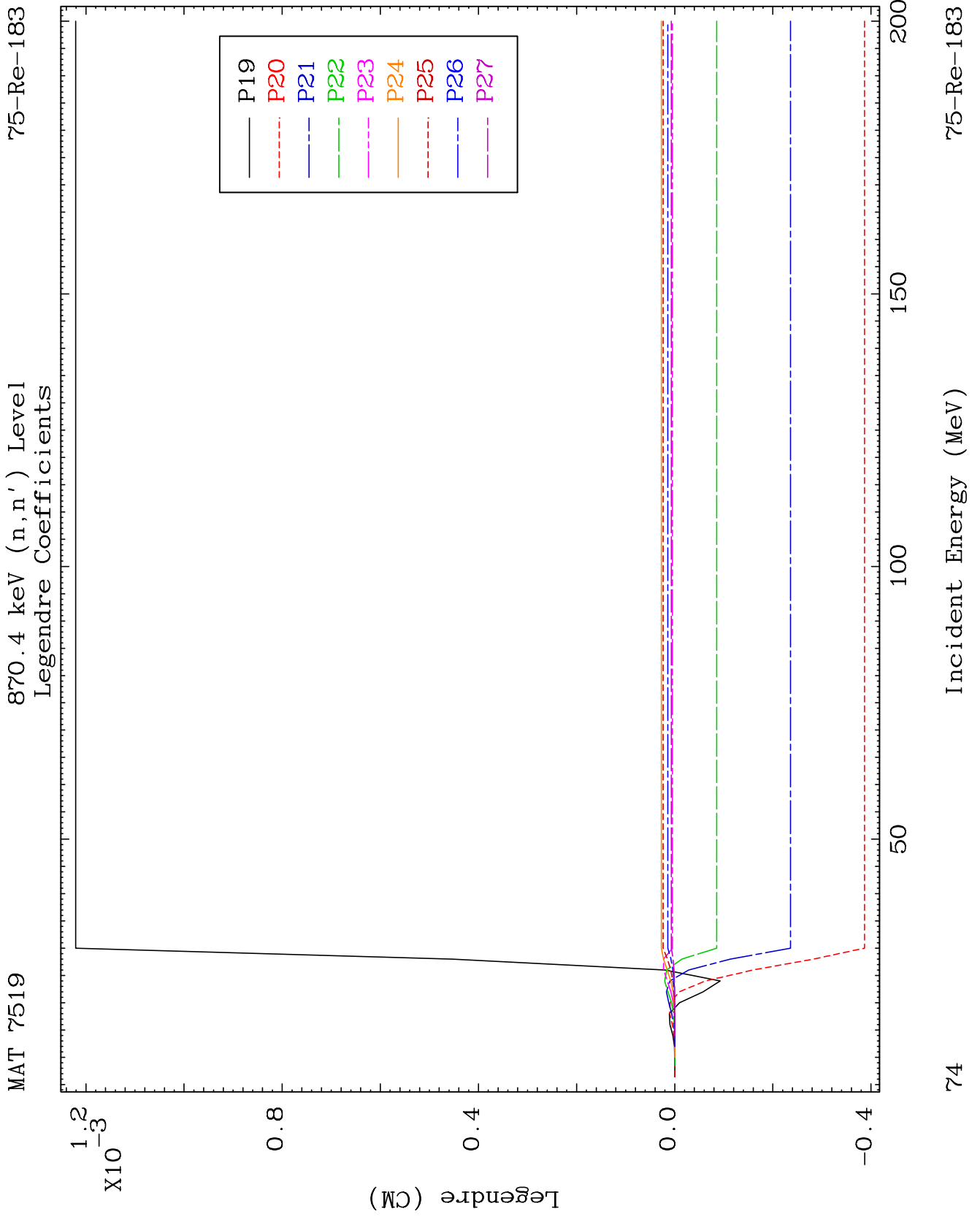
MAT 7519

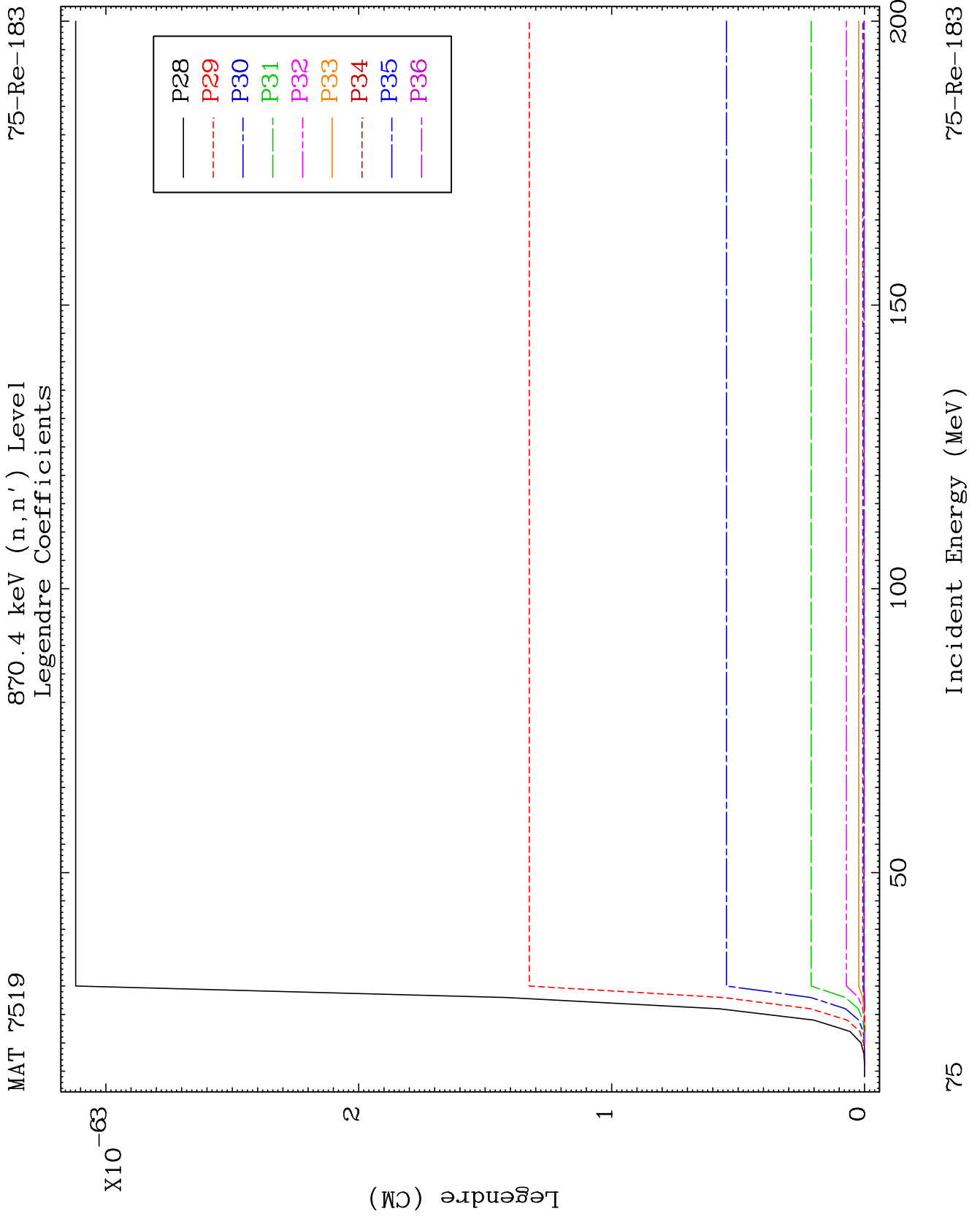
861.2 keV (n,n') Level
Legendre Coefficients

75-Re-183





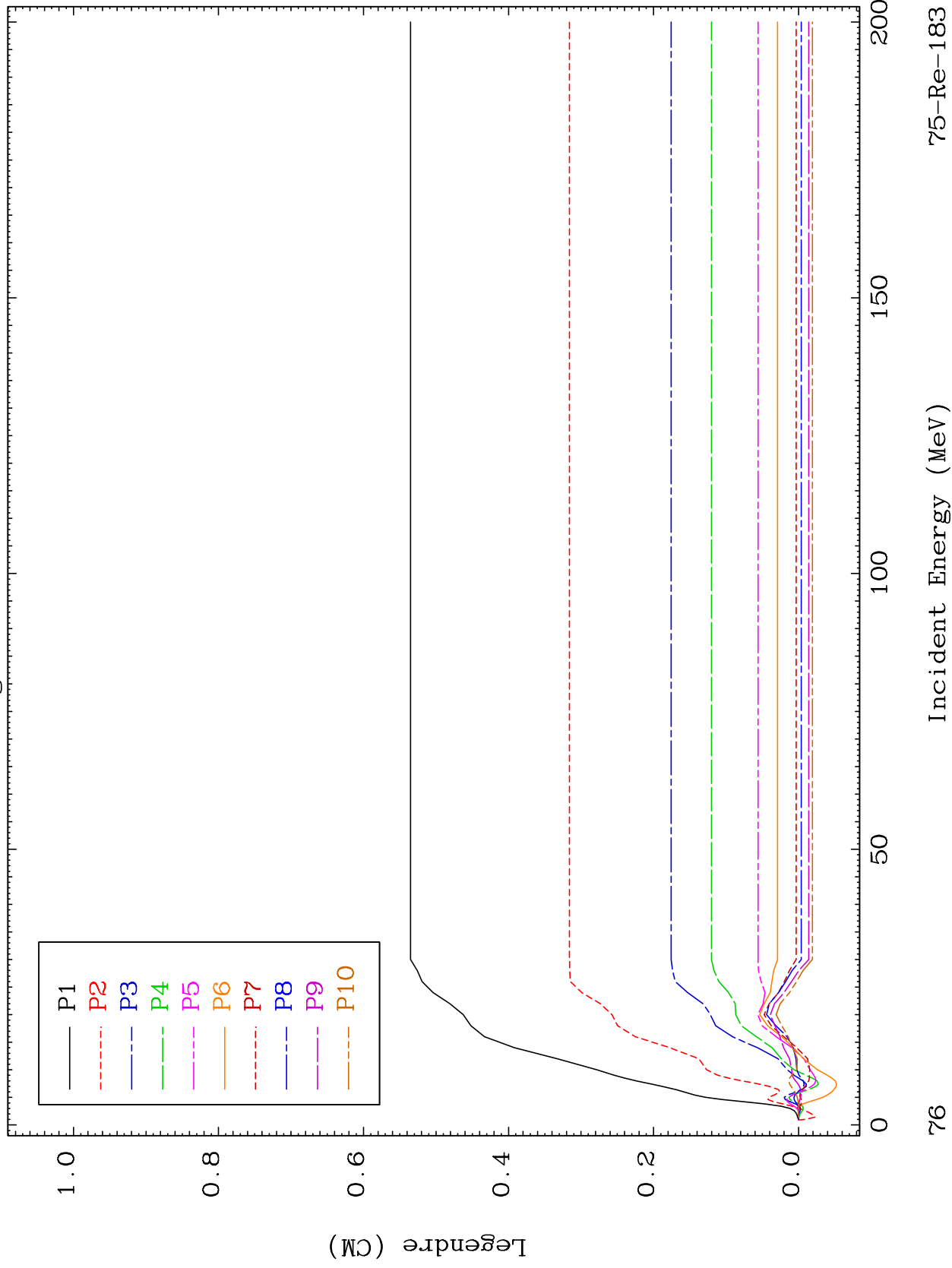




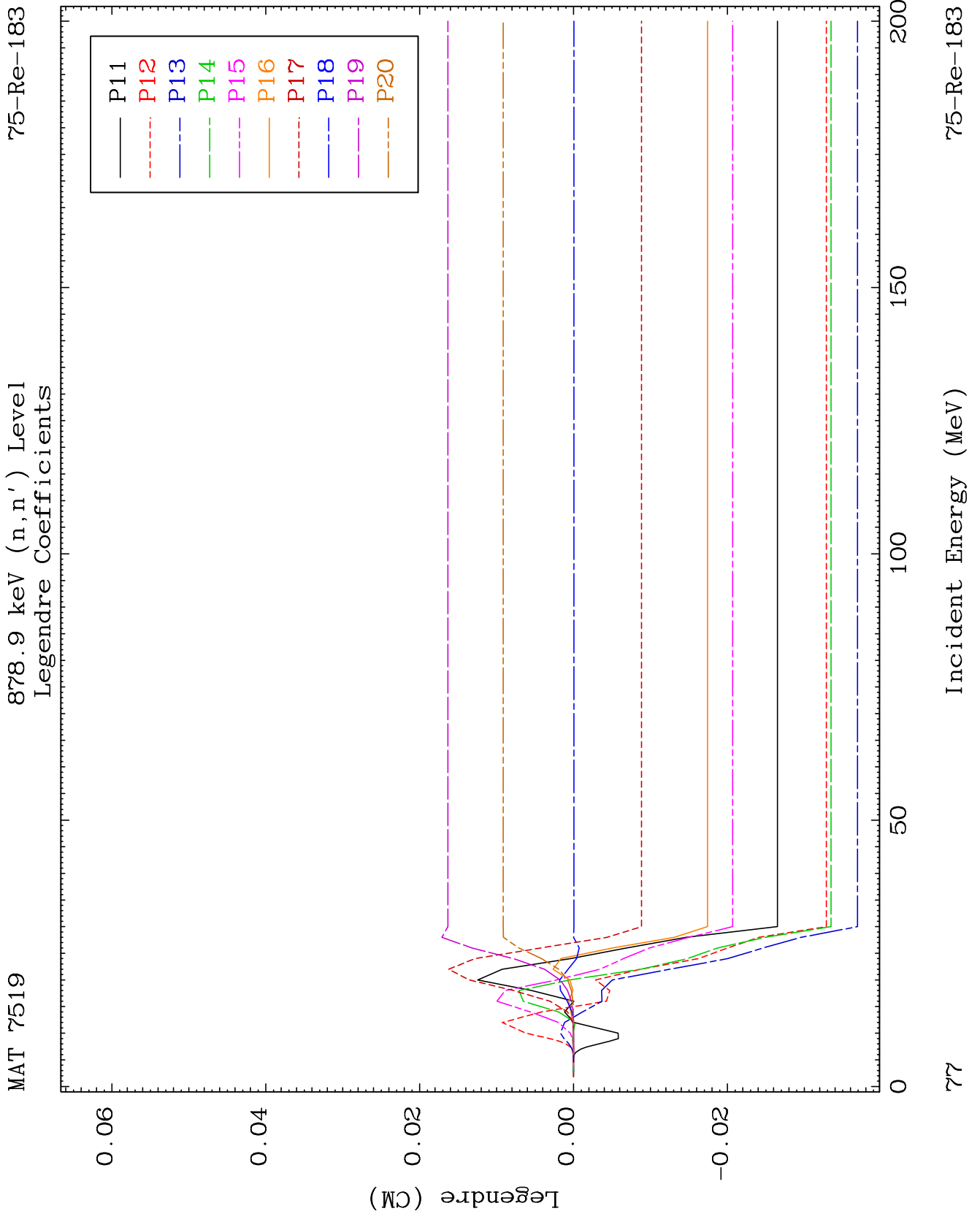
MAT 7519

878.9 keV (n,n') Level
Legendre Coefficients

75-Re-183



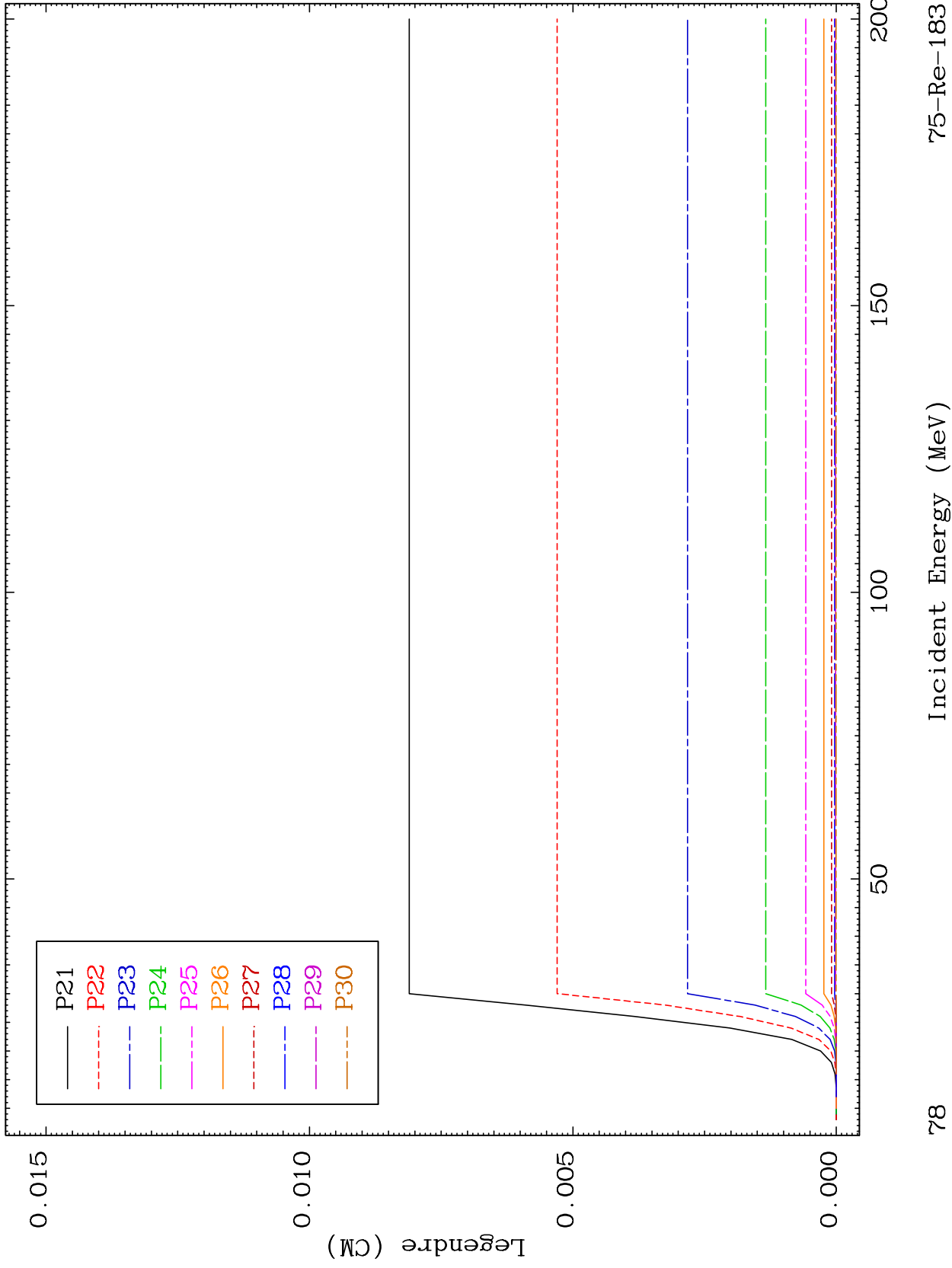
76



MAT 7519

878.9 keV (n,n') Level
Legendre Coefficients

75-Re-183



78

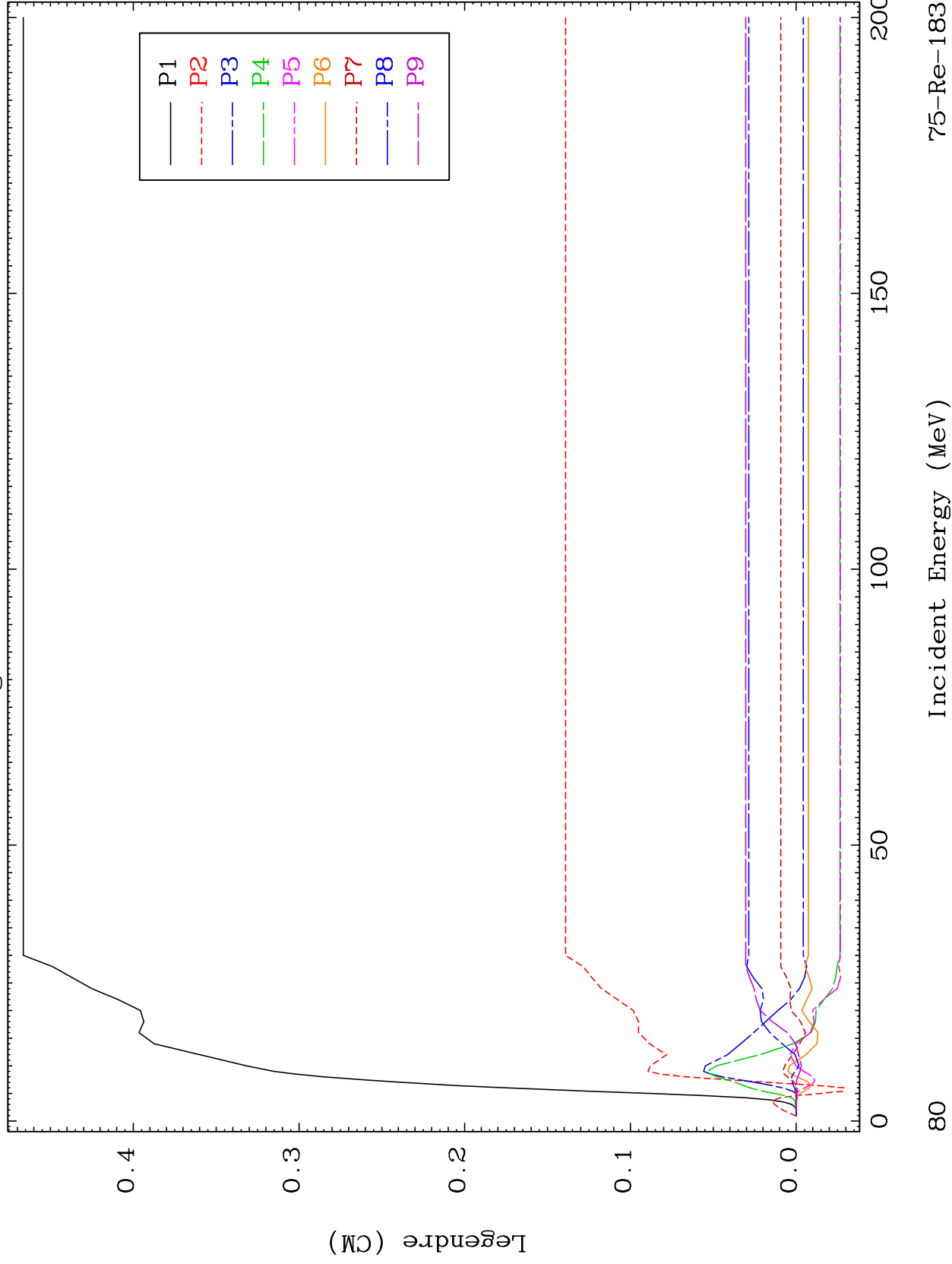
Incident Energy (MeV)

75-Re-183

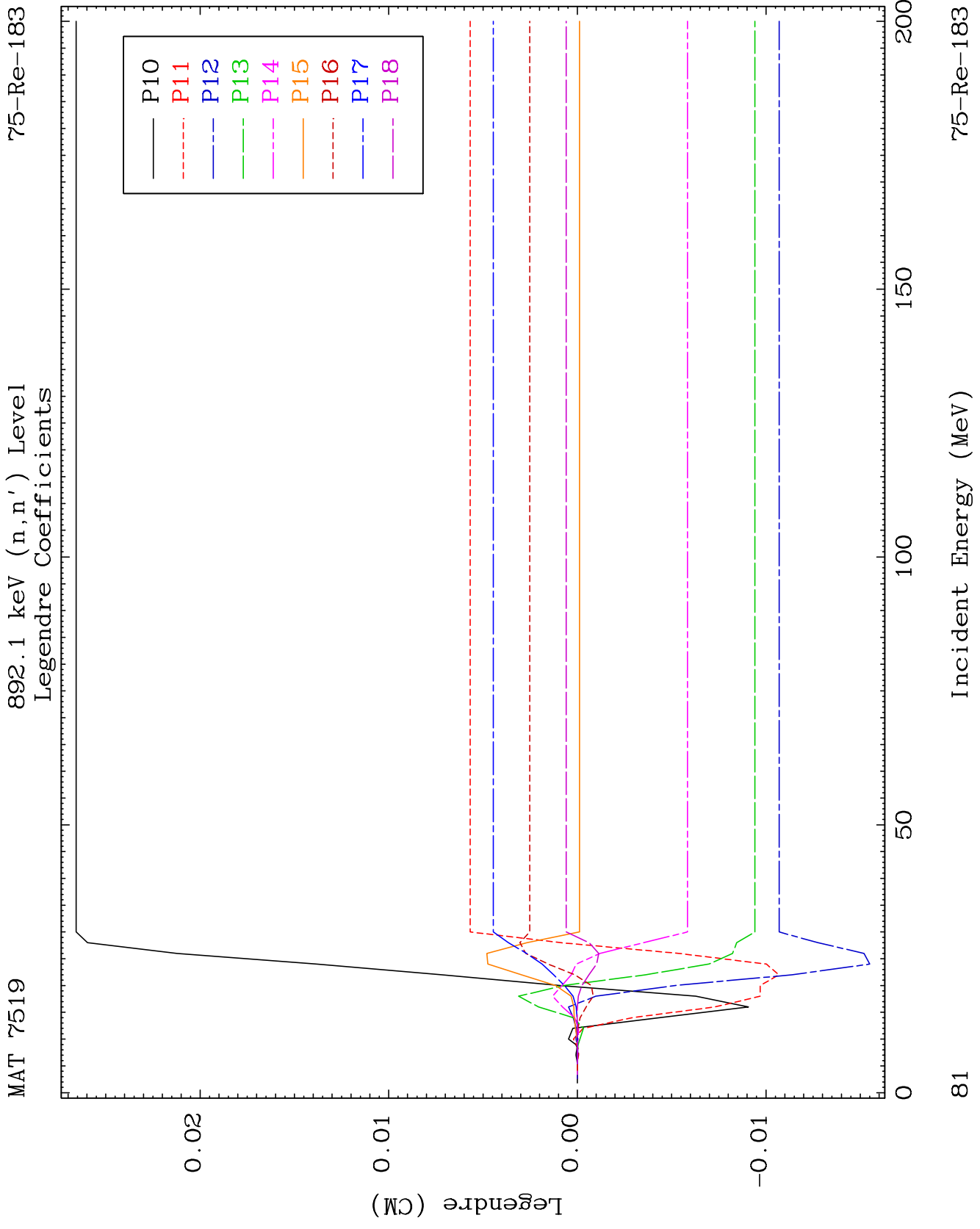
MAT 7519

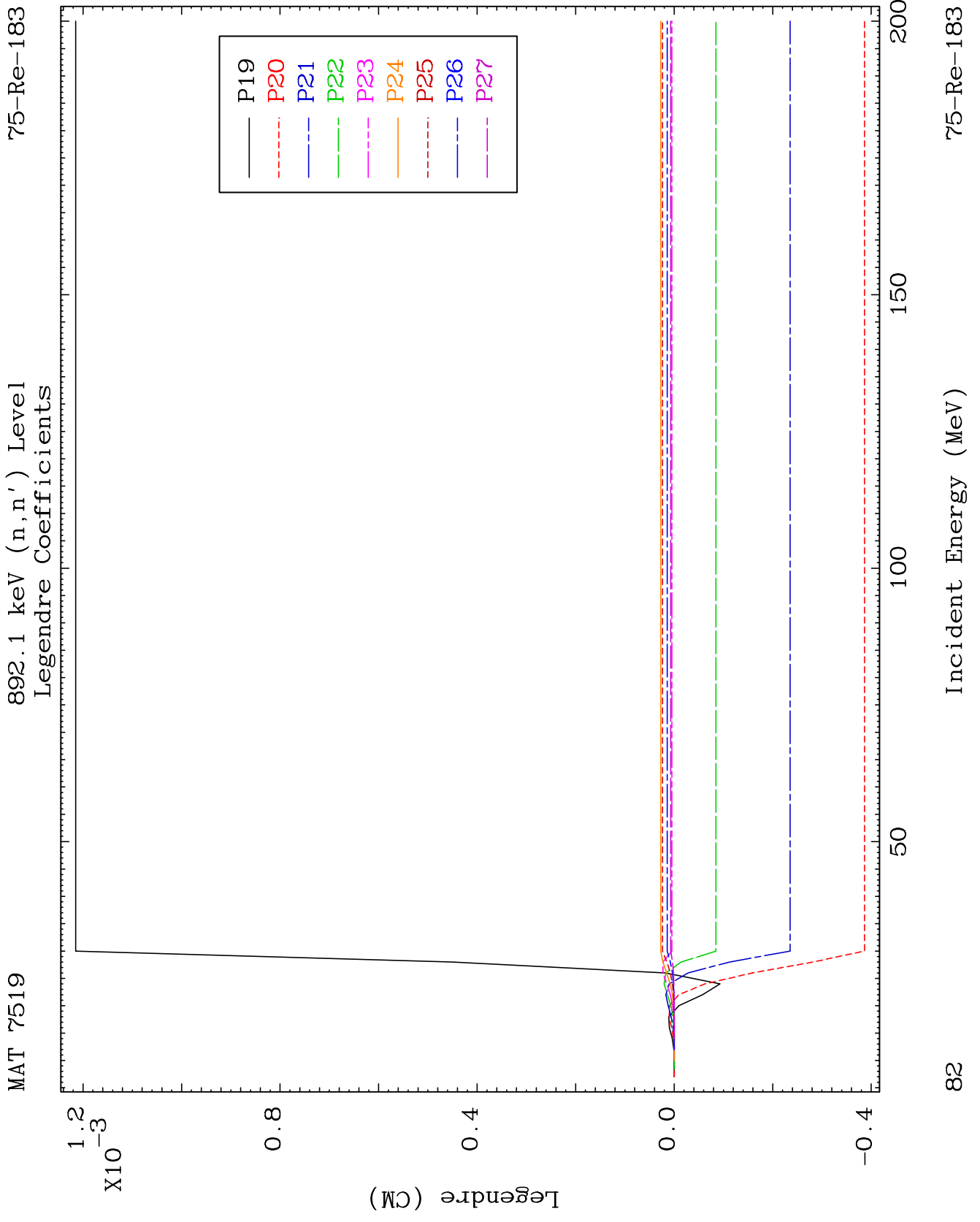
892.1 keV (n,n') Level
Legendre Coefficients

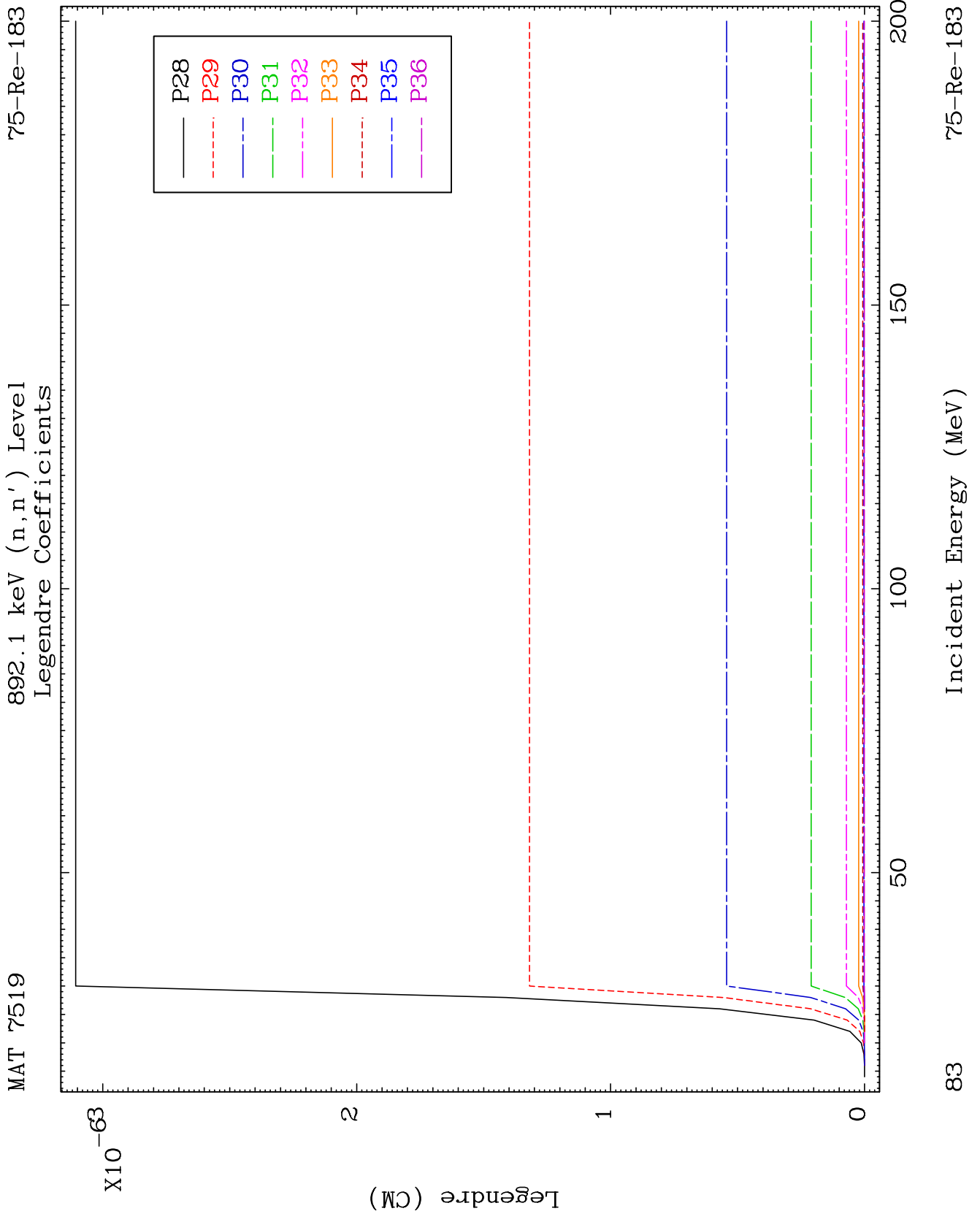
75-Re-183

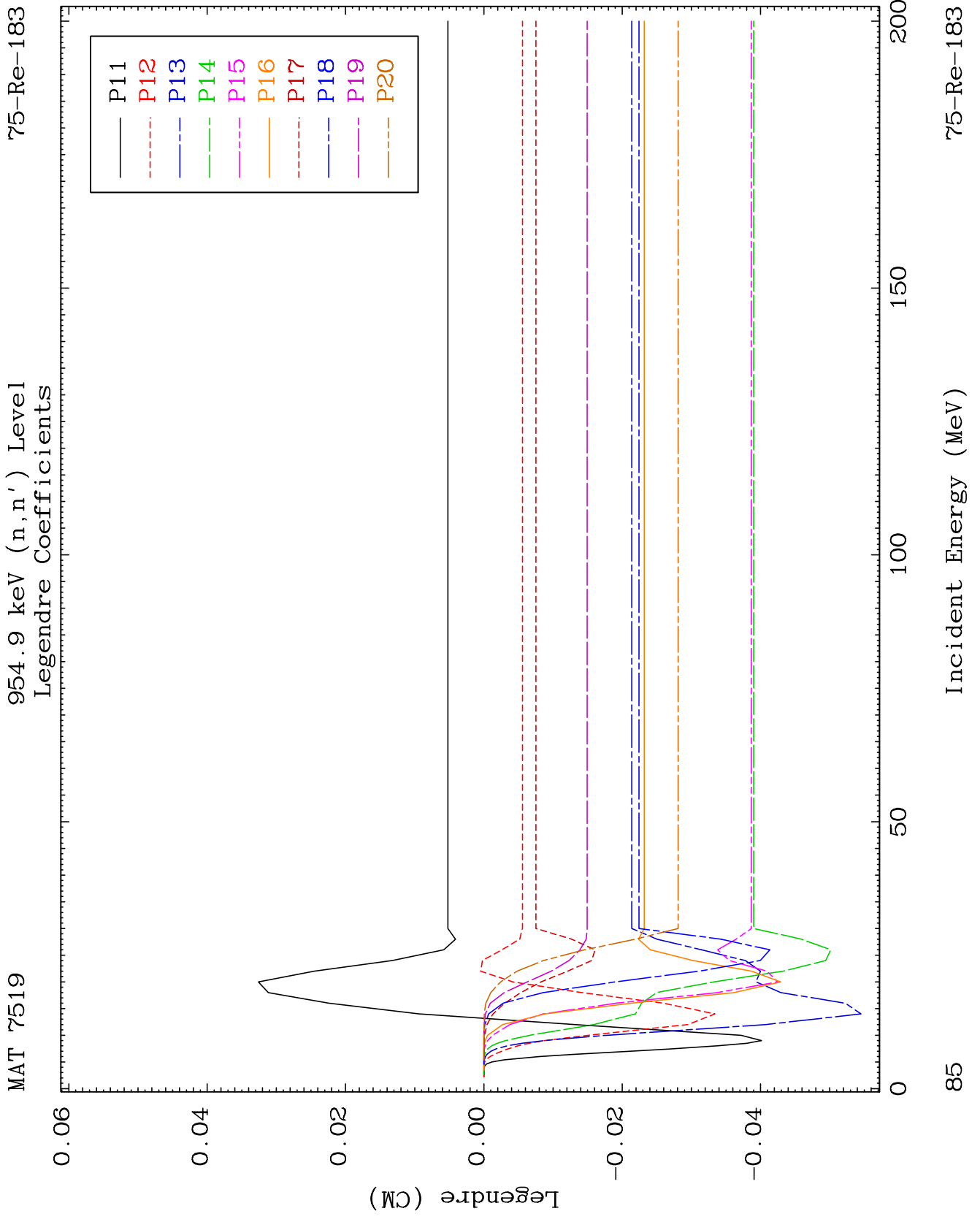


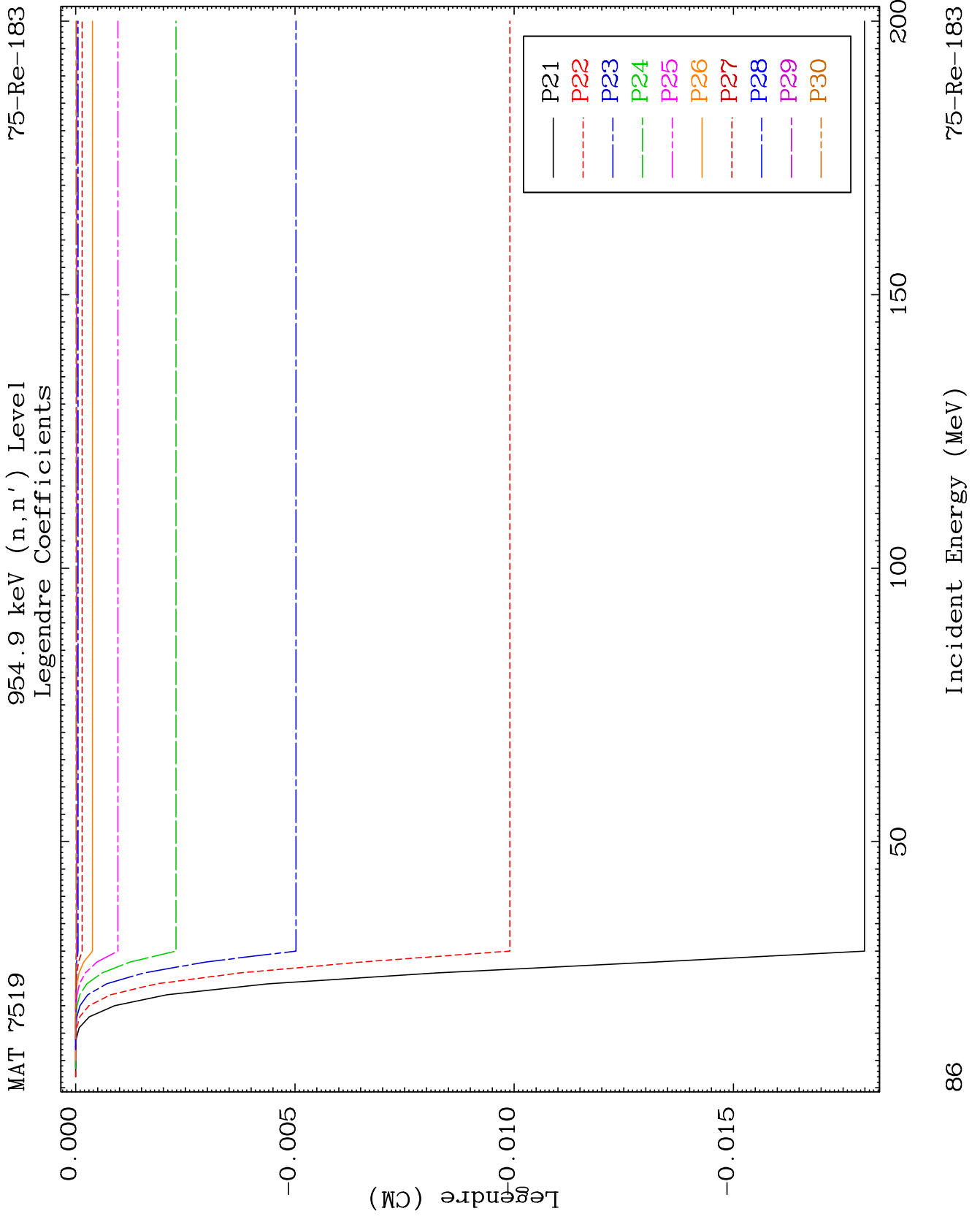
75-Re-183

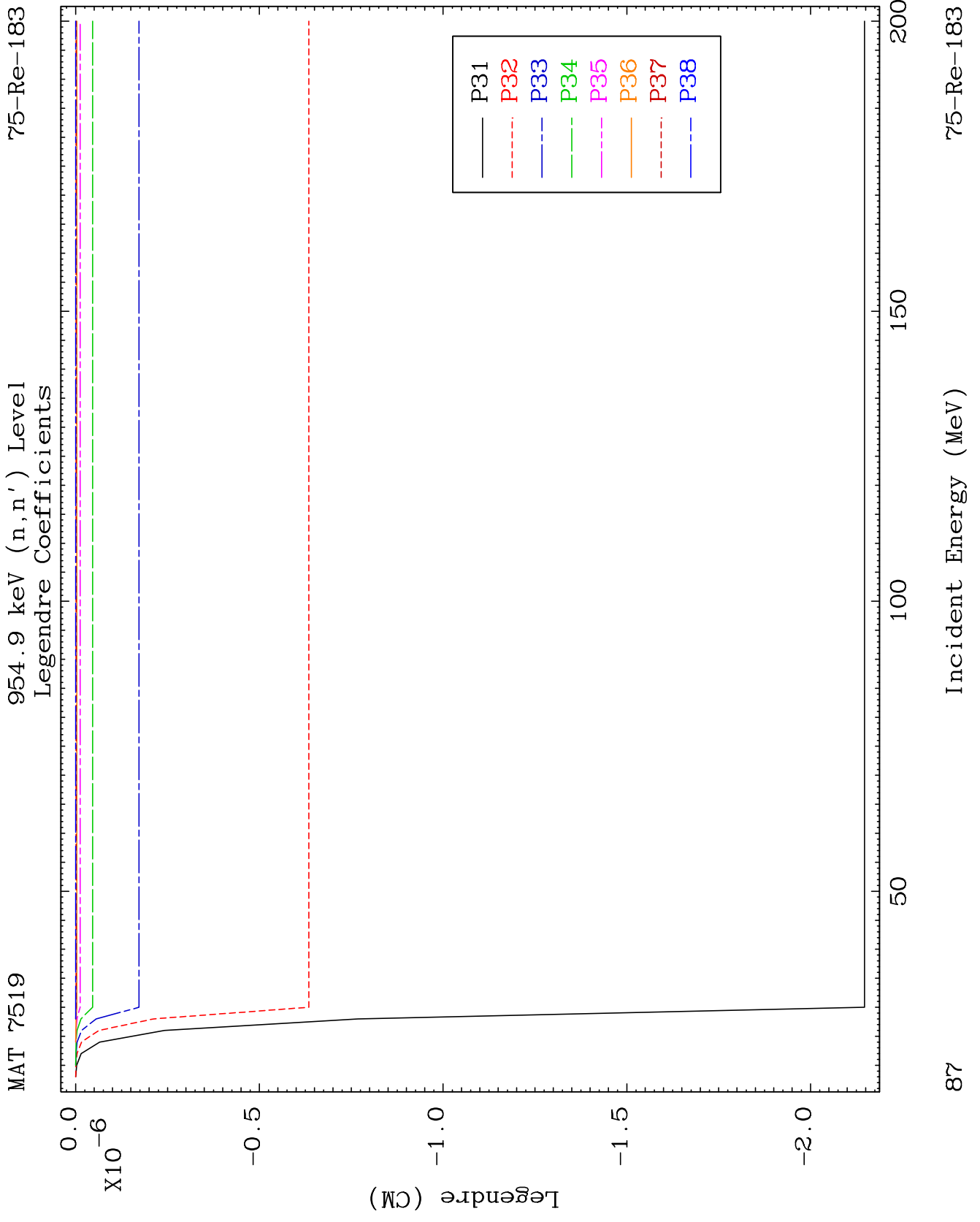


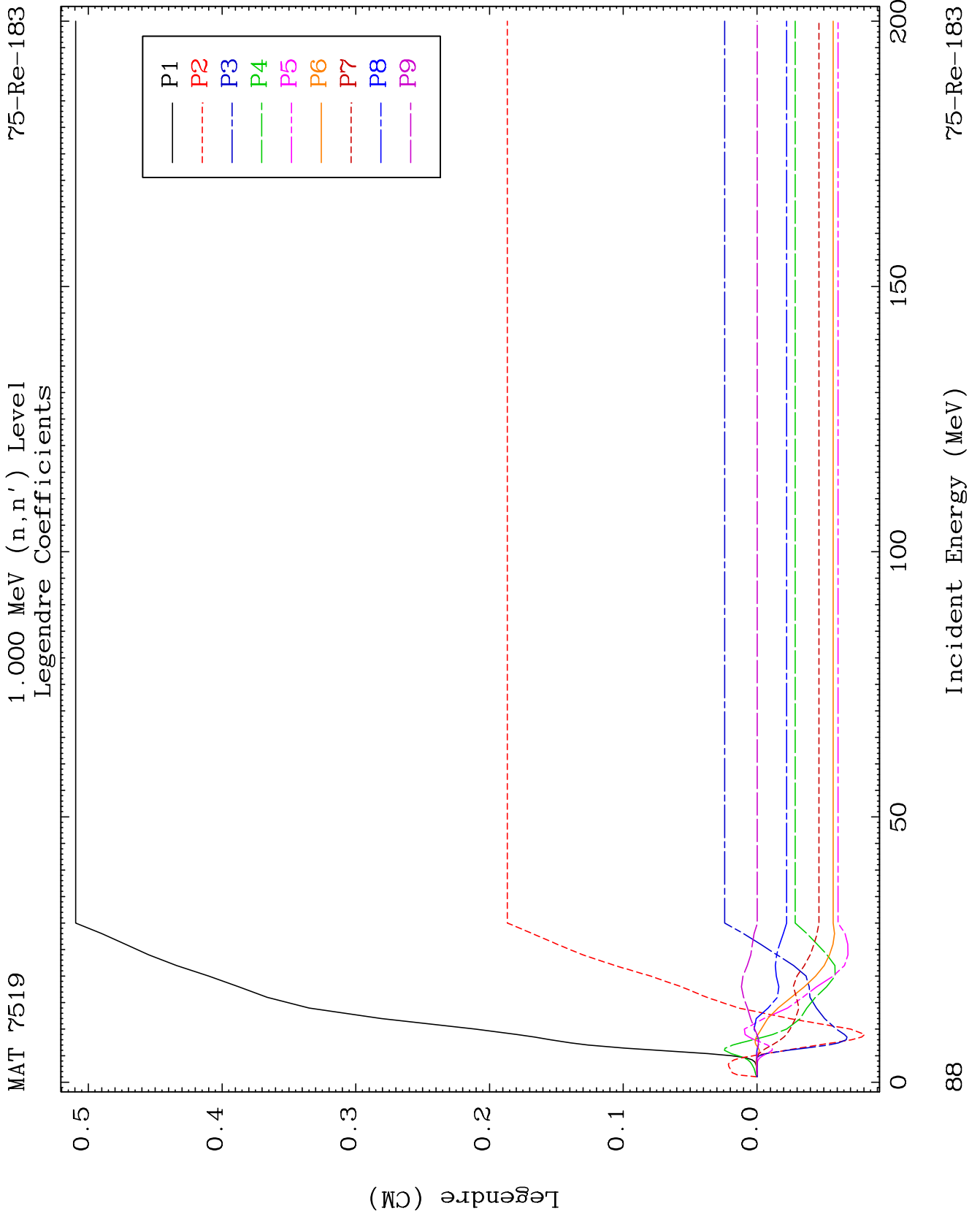


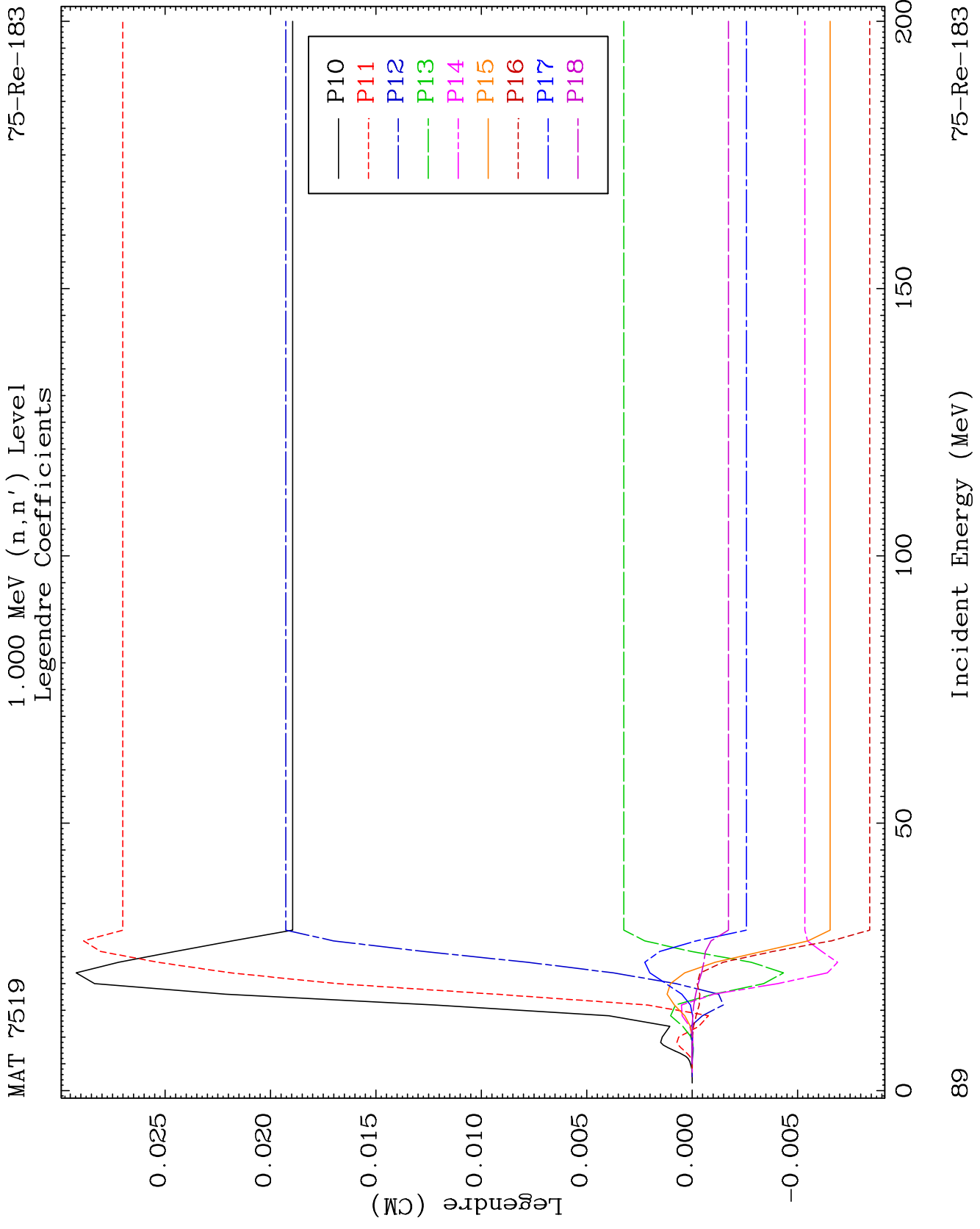


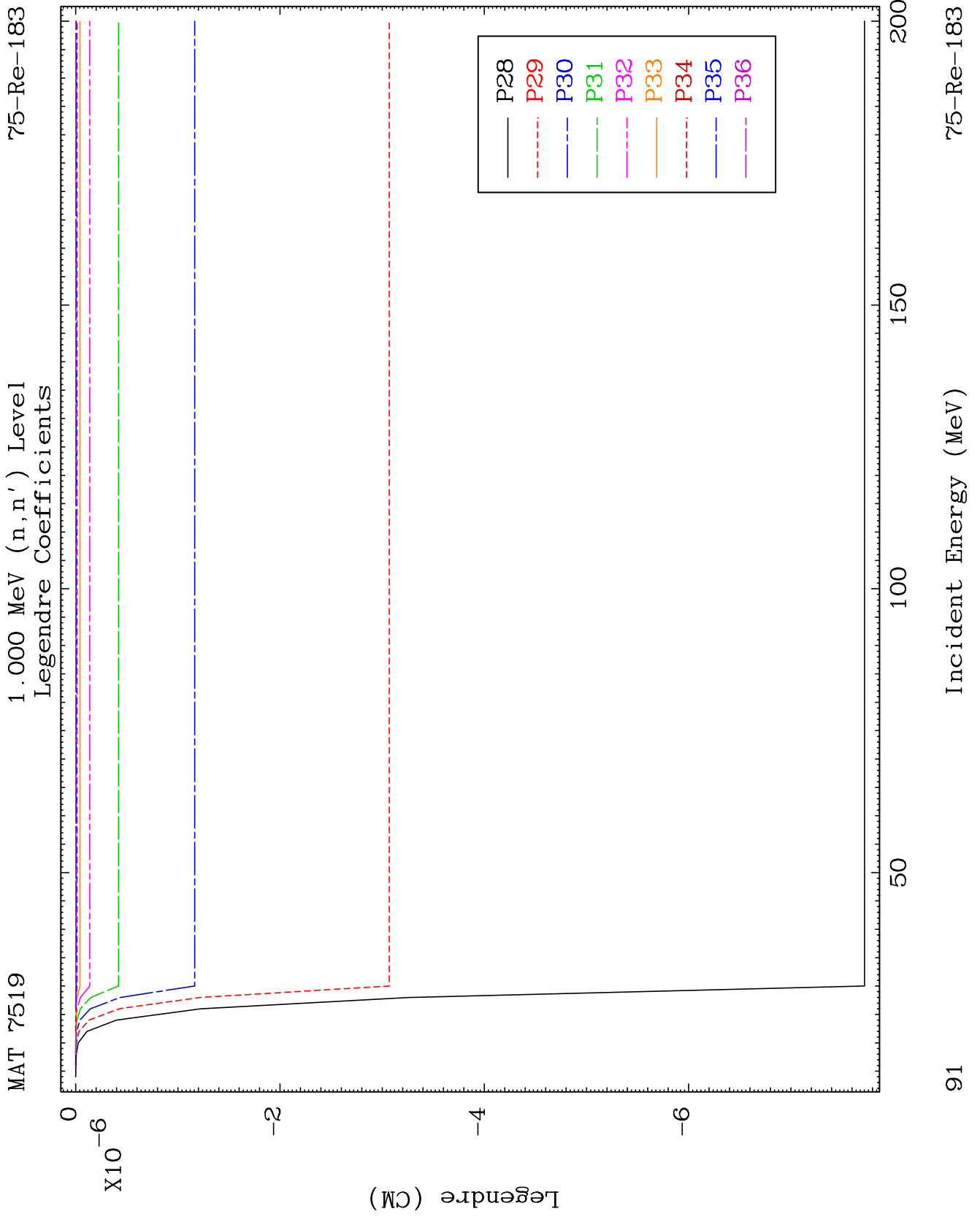


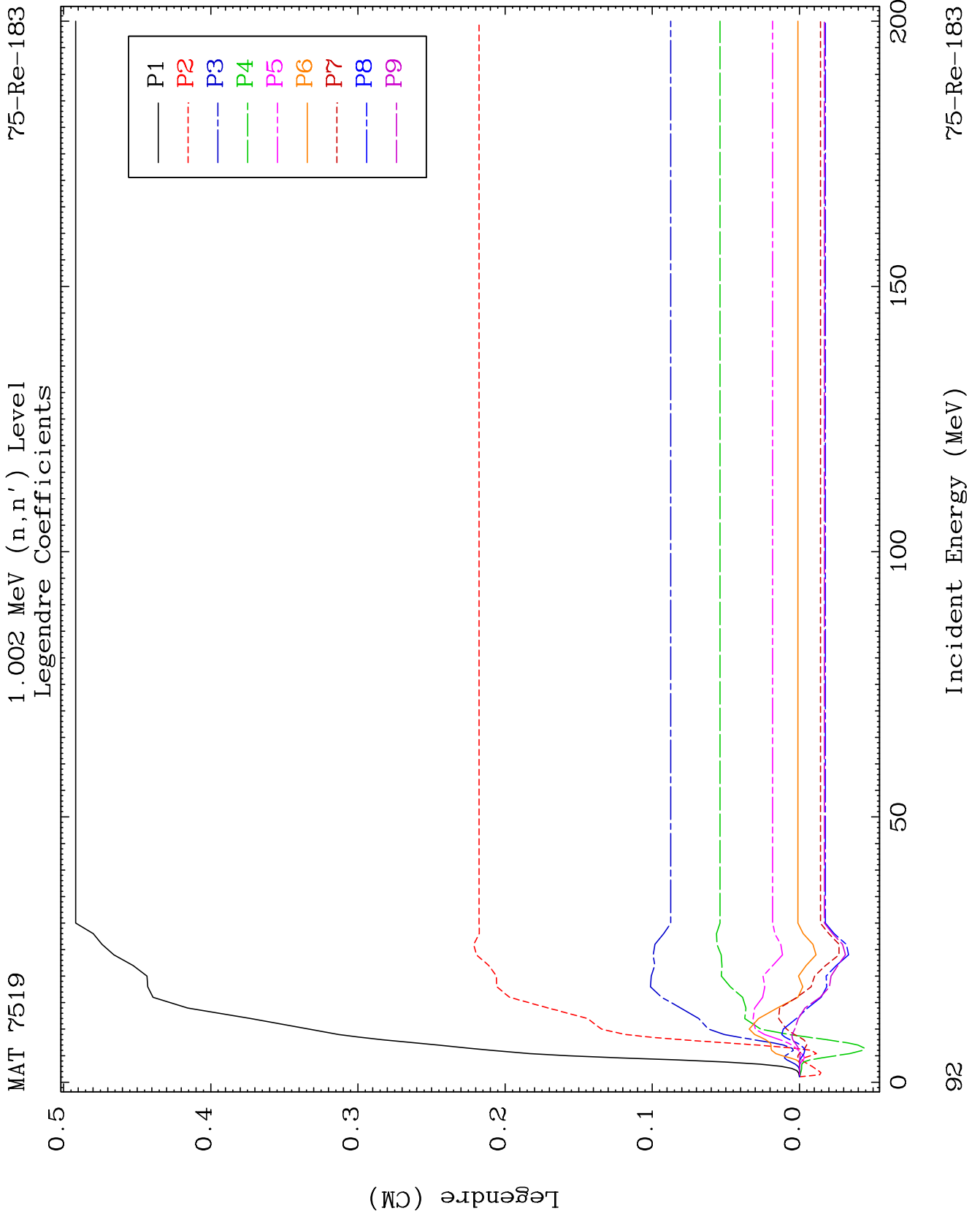


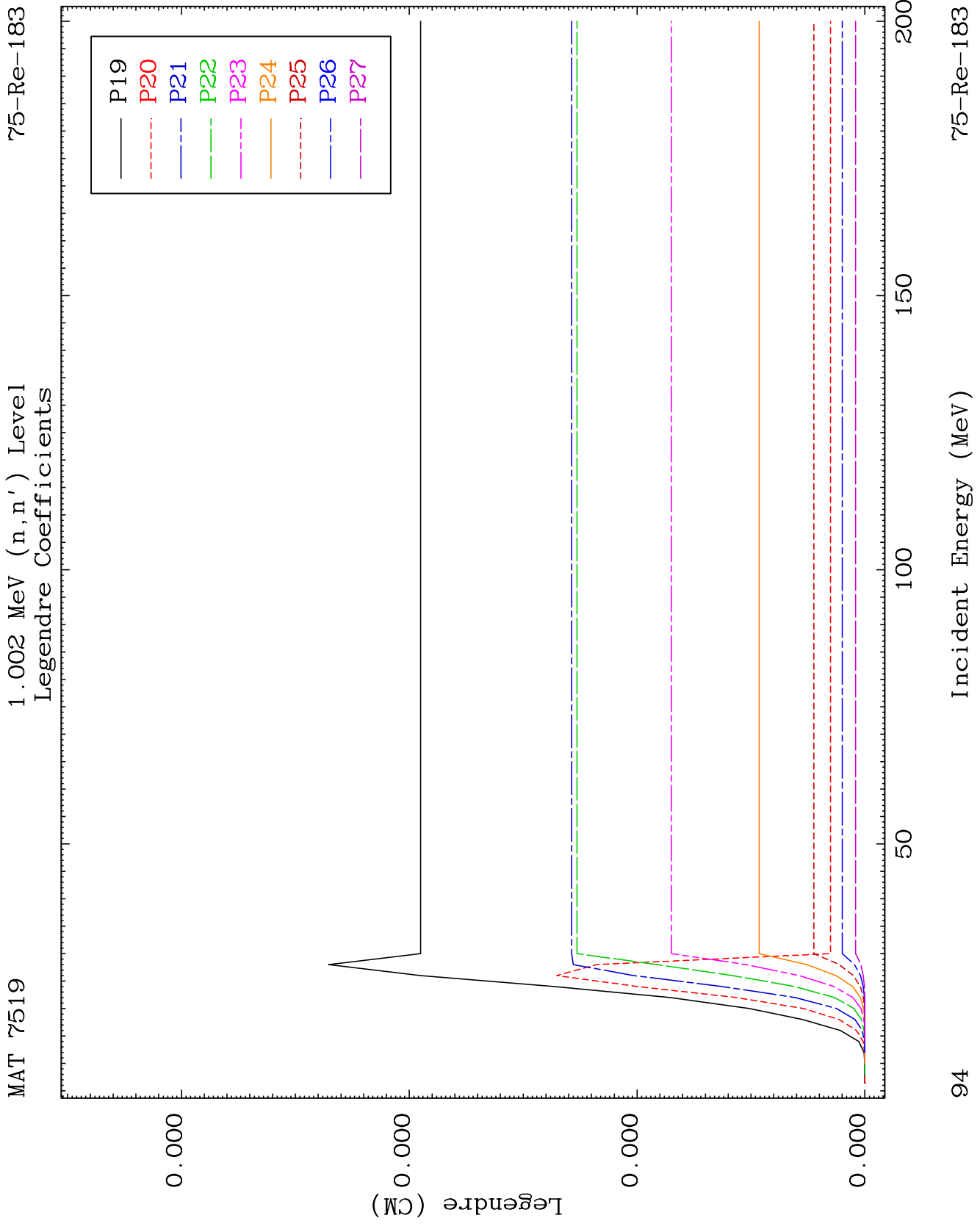


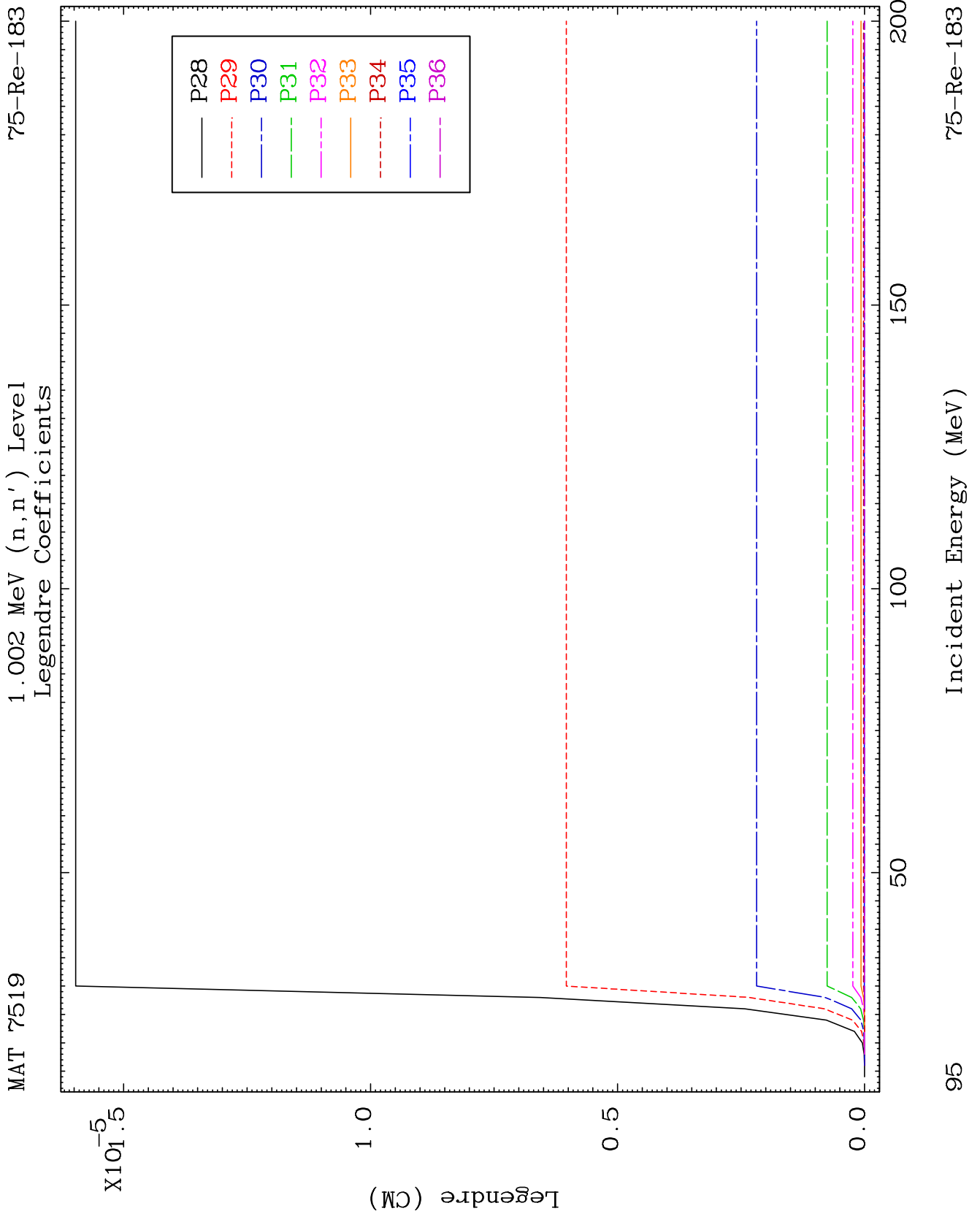


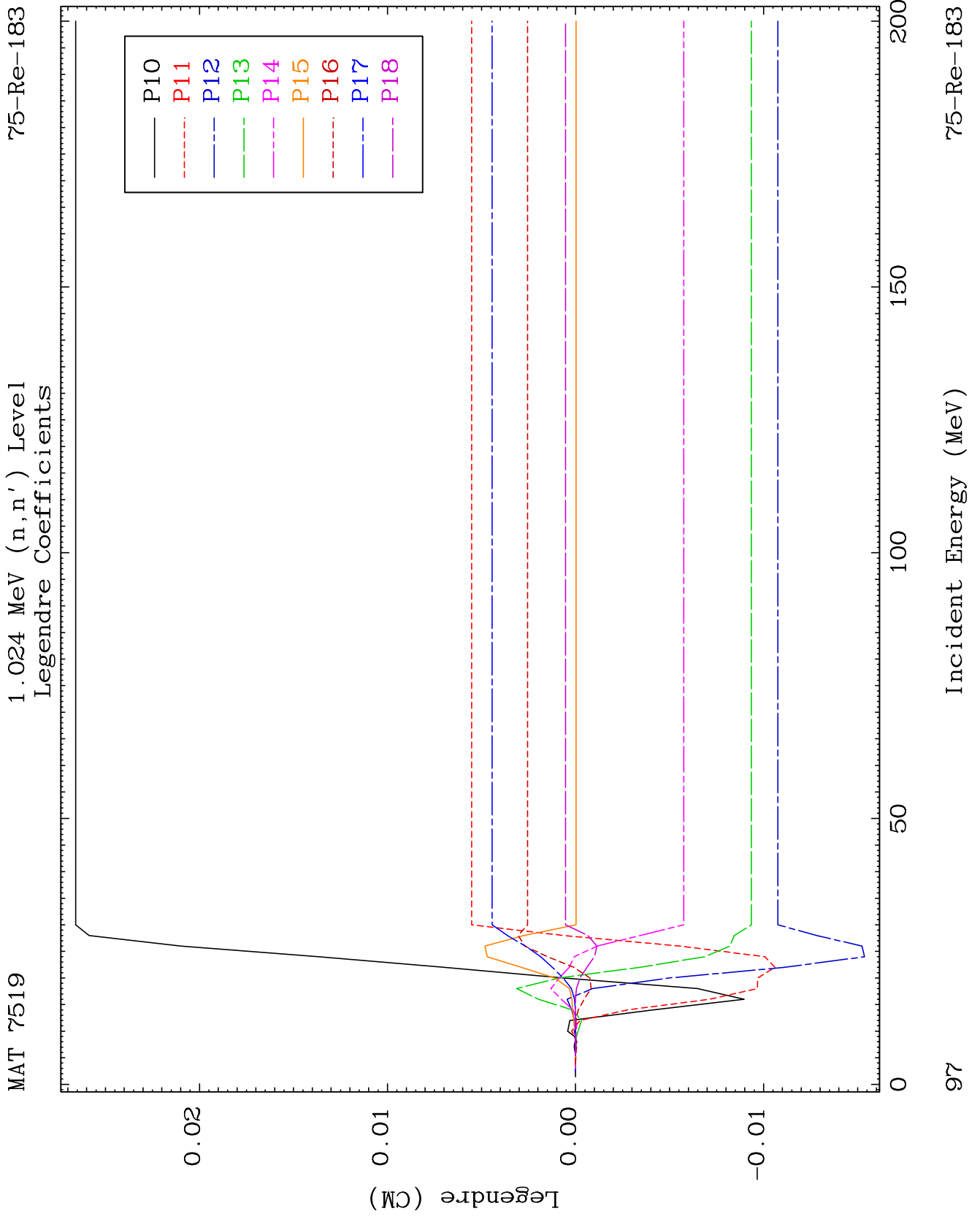


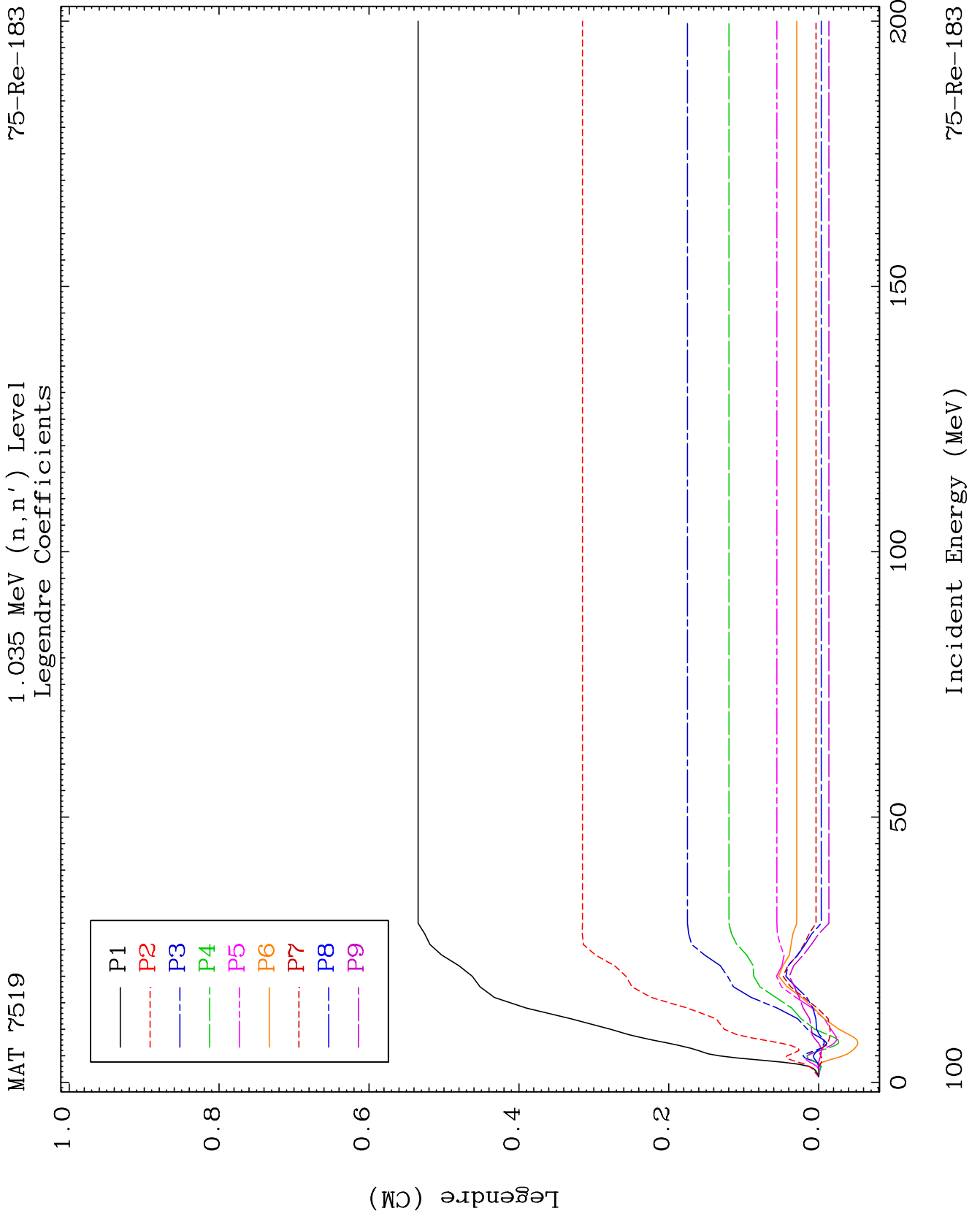


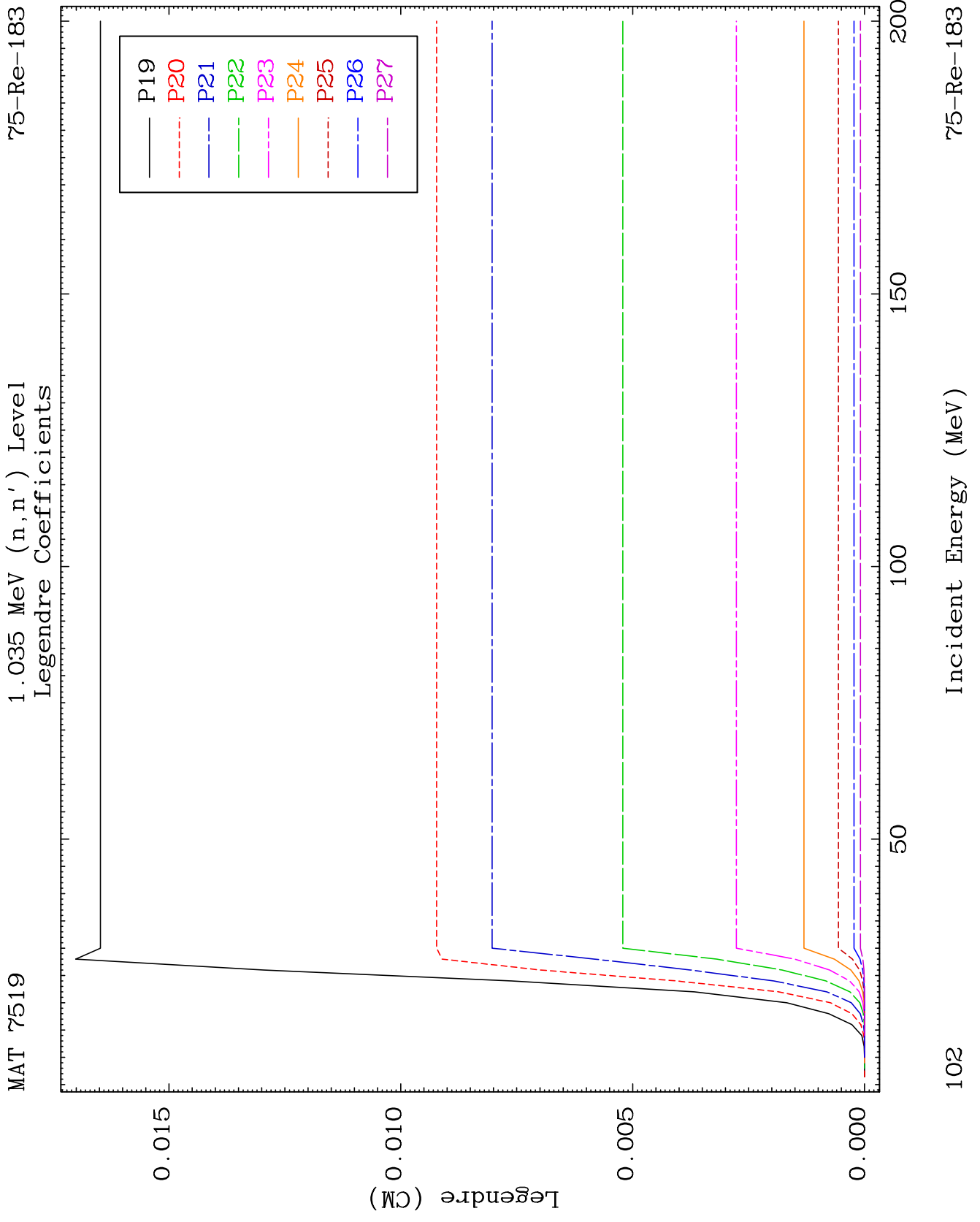








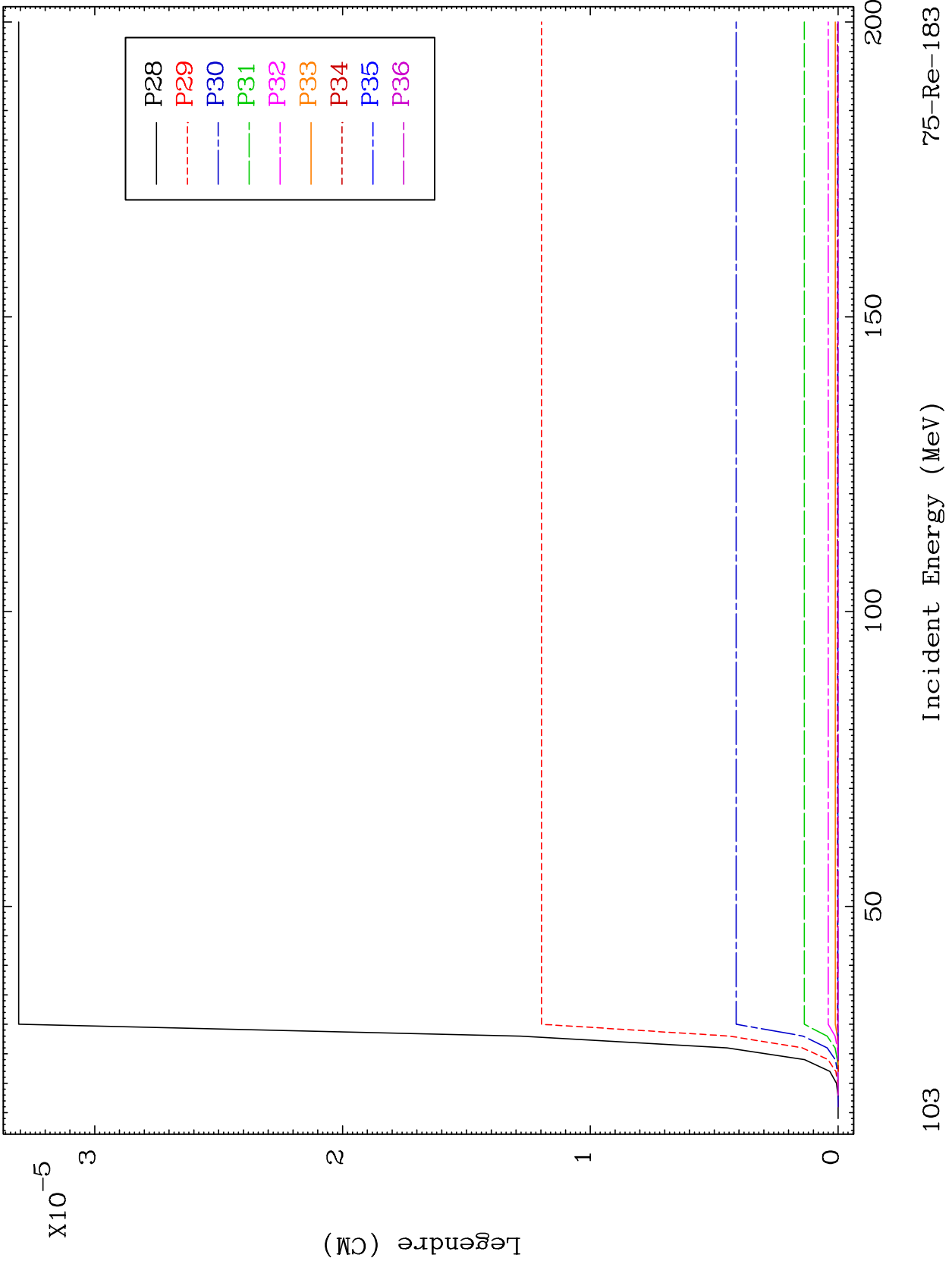


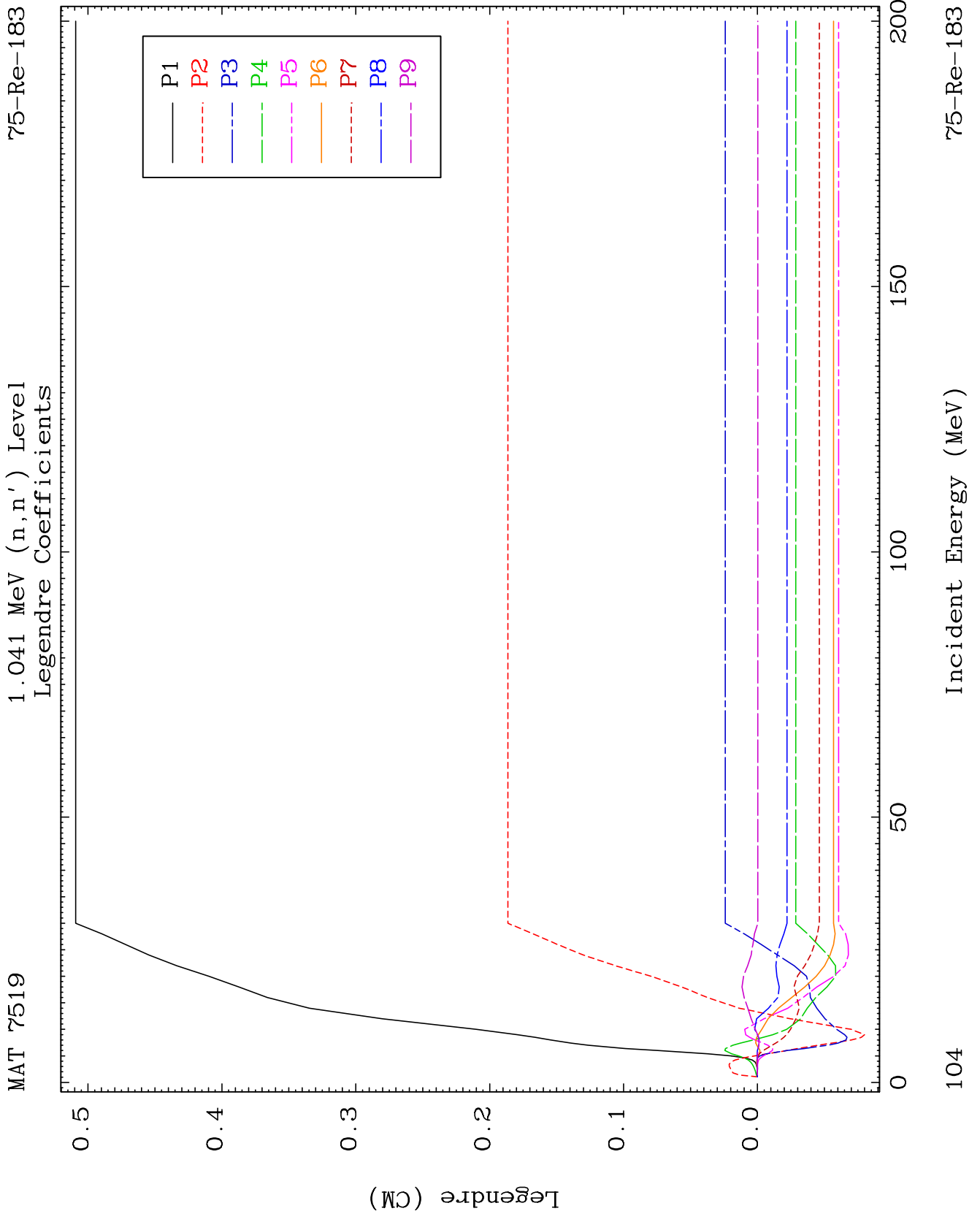


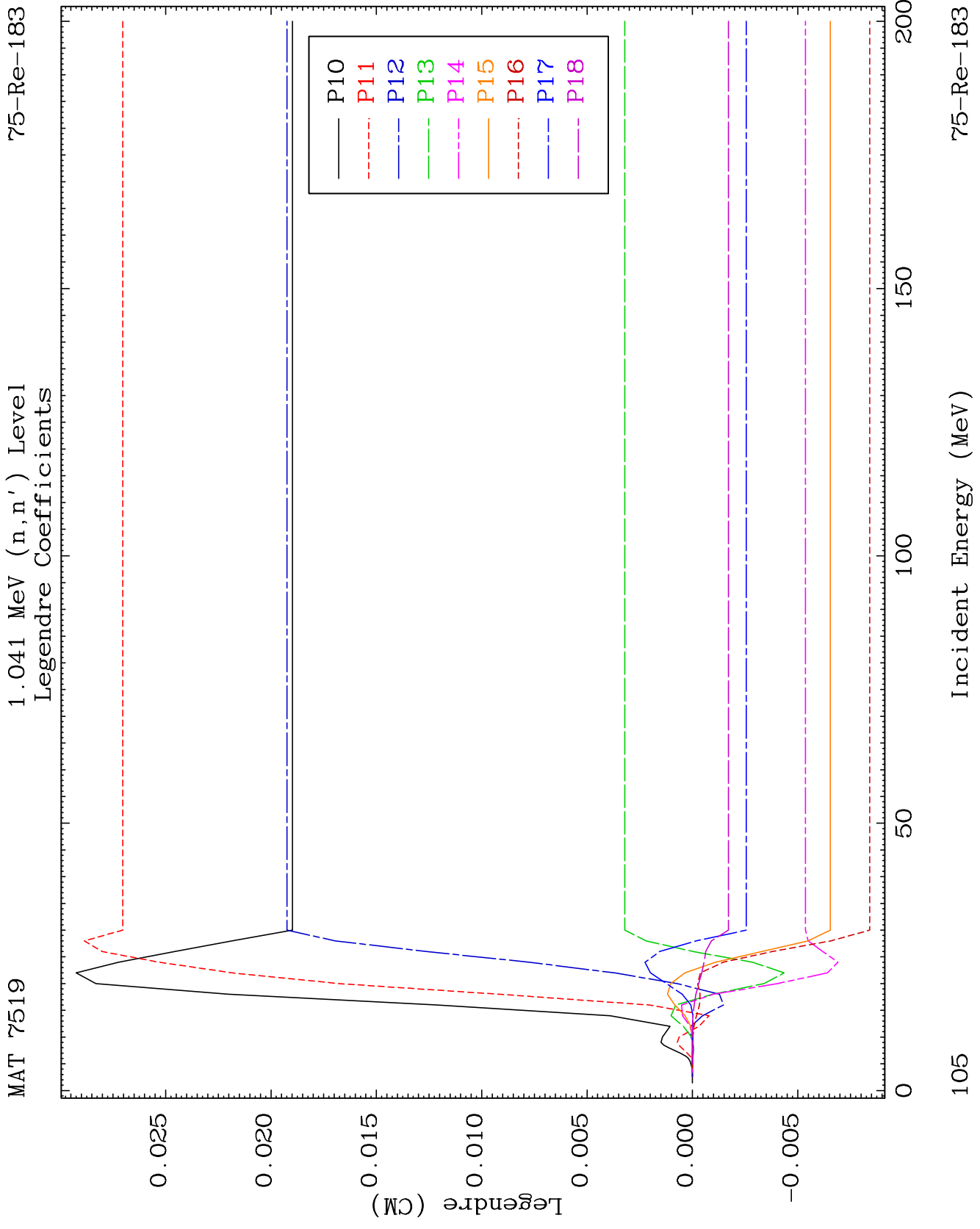
MAT 7519

1.035 MeV (n,n') Level Legendre Coefficients

75-Re-183



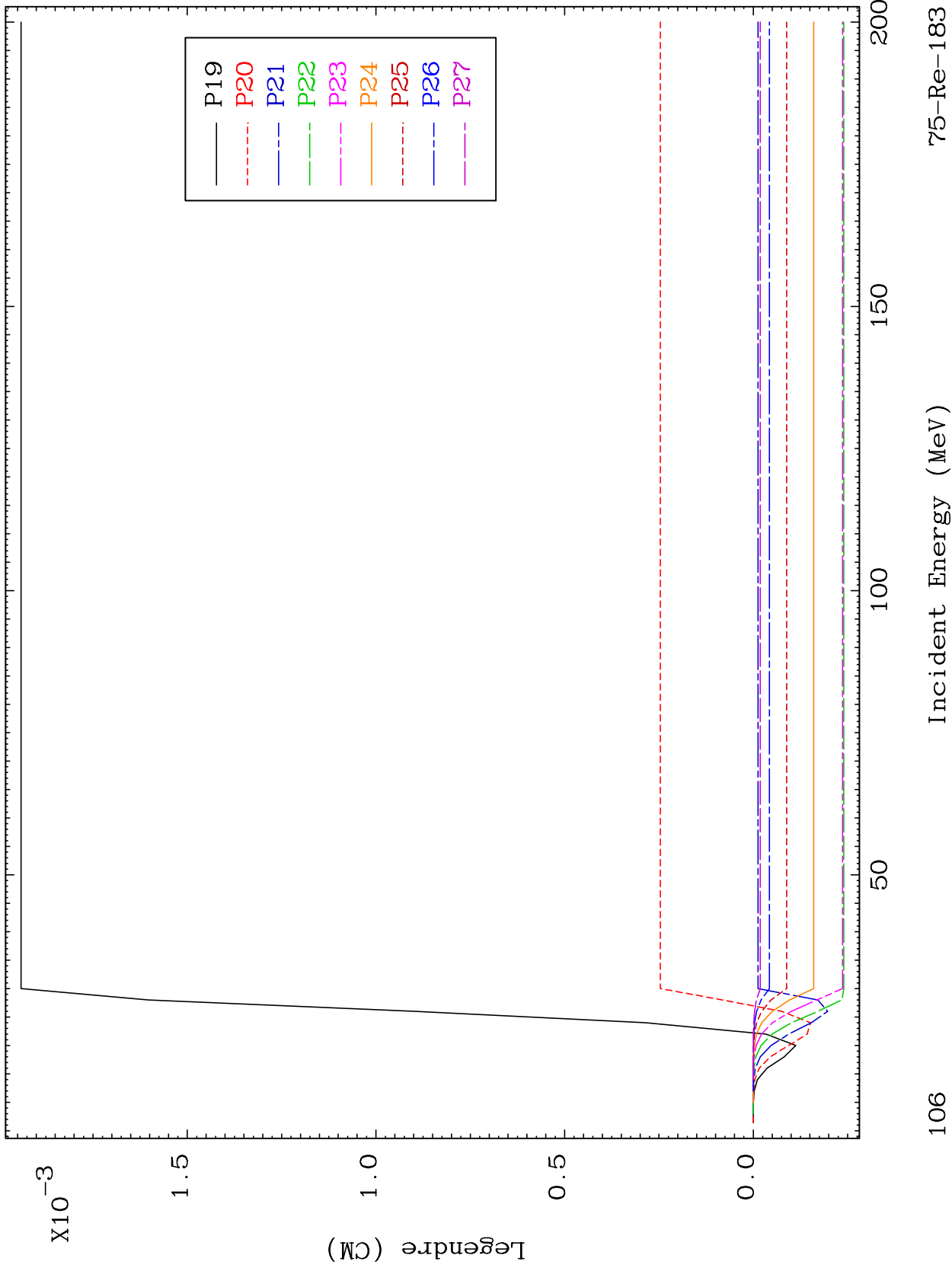




MAT 7519

1.041 MeV (n,n') Level
Legendre Coefficients

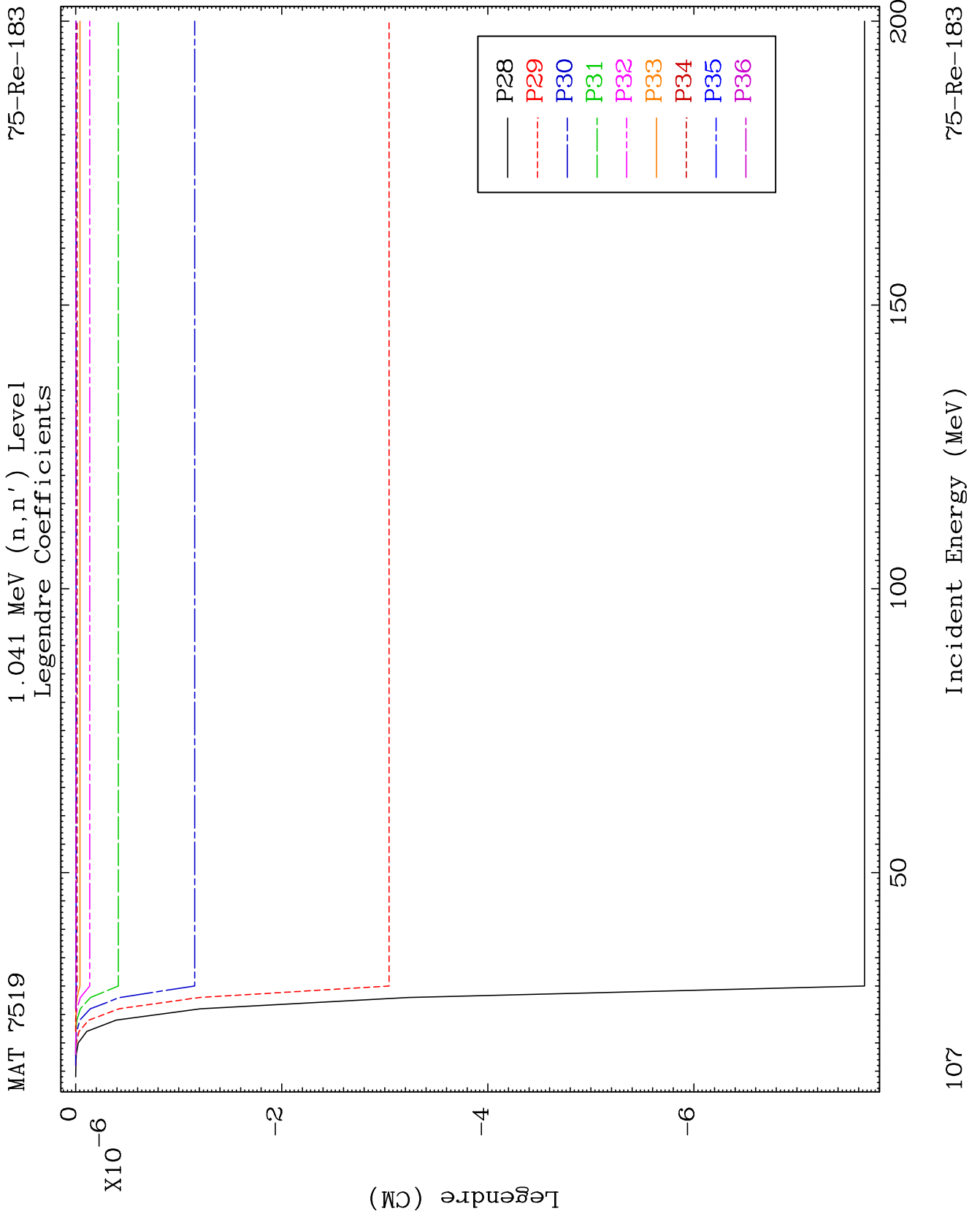
75-Re-183

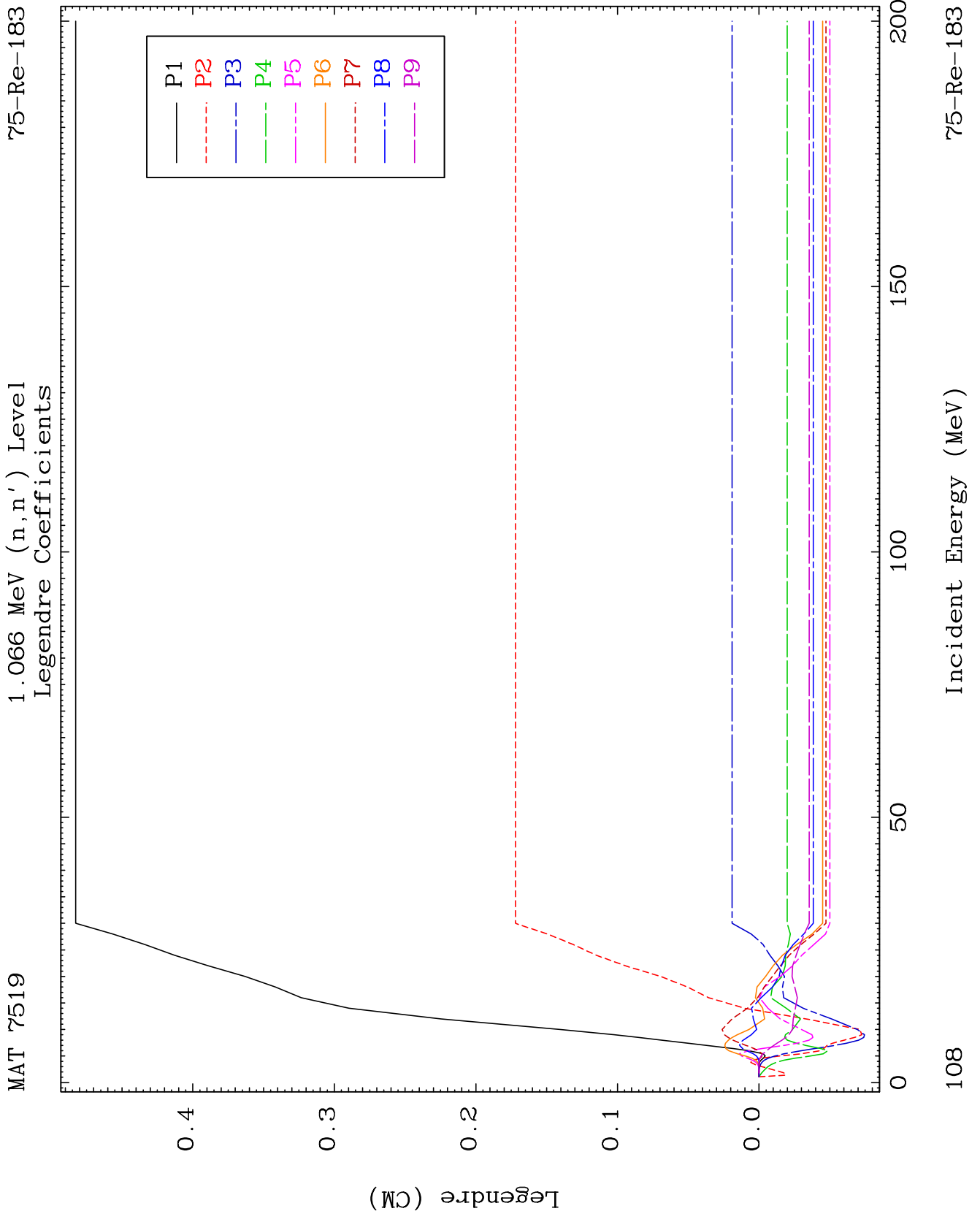


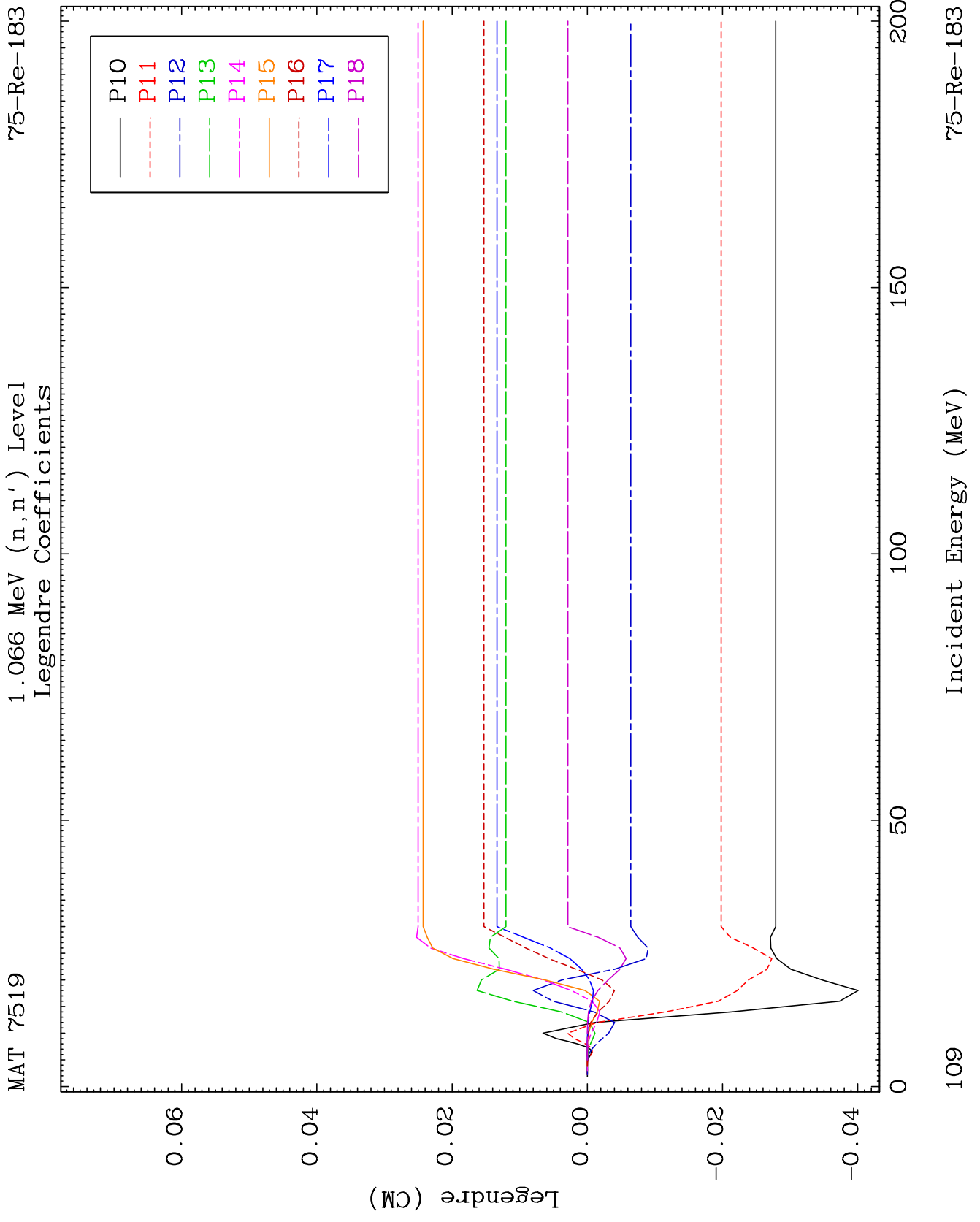
106

Incident Energy (MeV)

75-Re-183



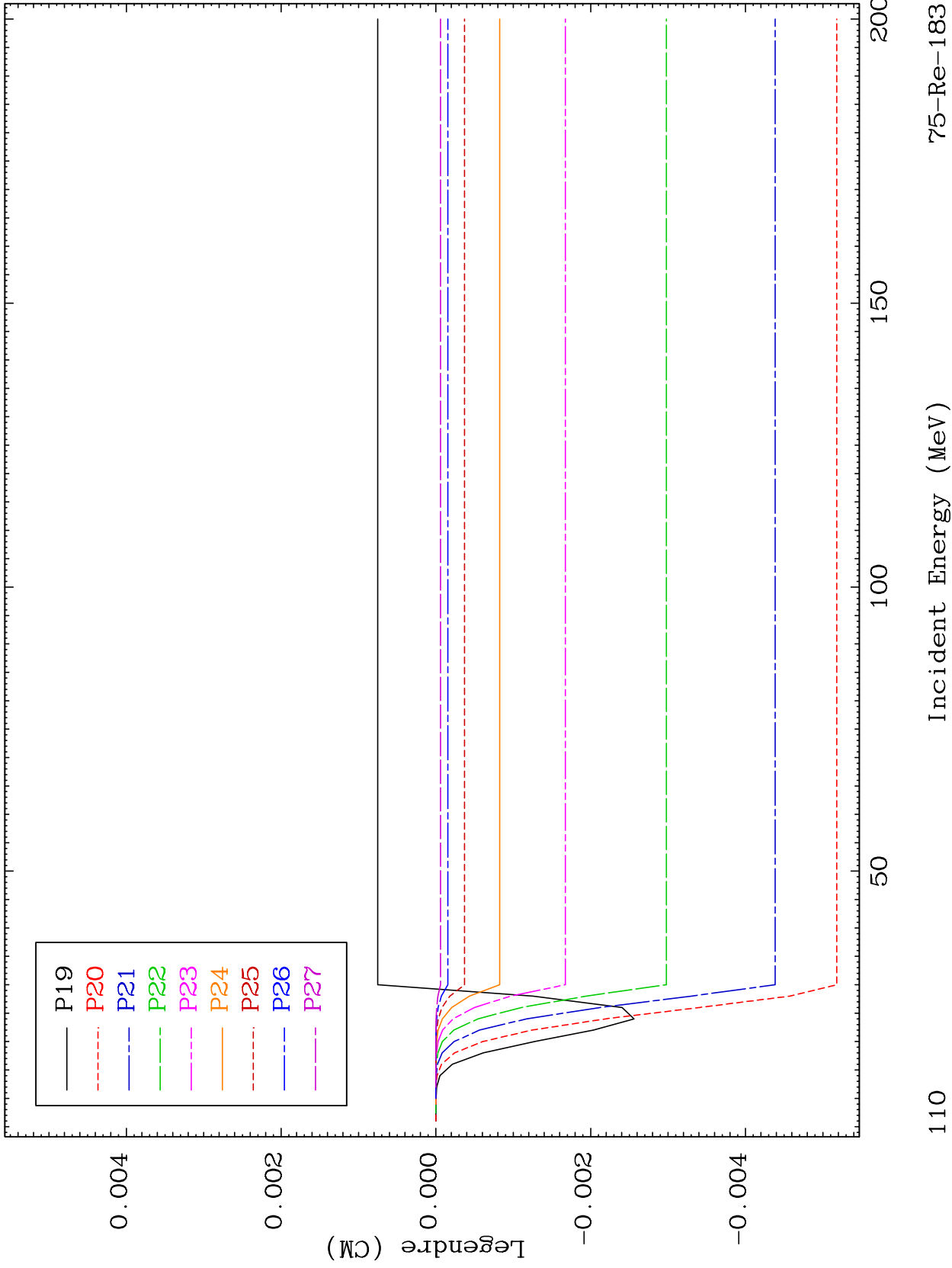




MAT 7519

1.066 MeV (n,n') Level Legendre Coefficients

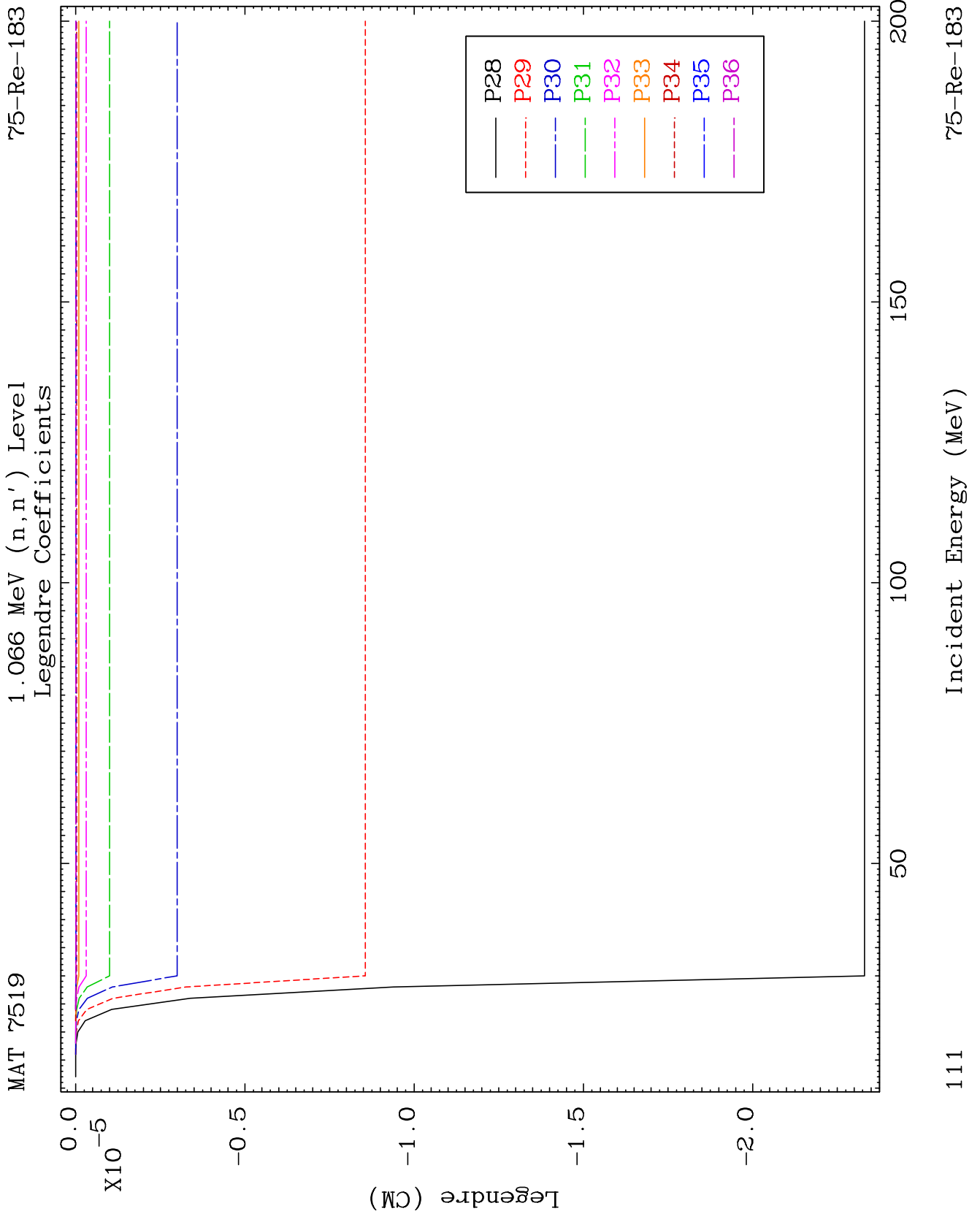
75-Re-183

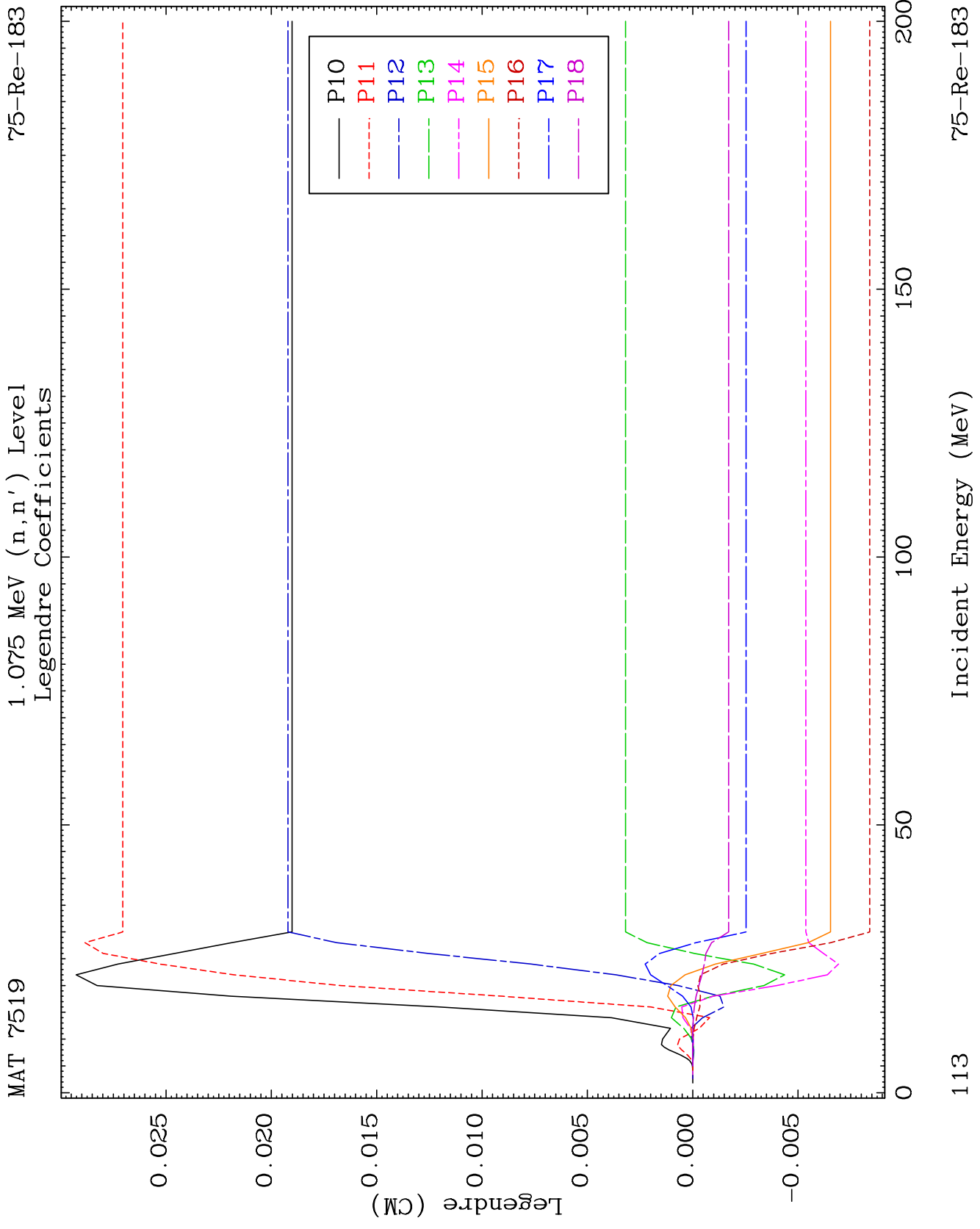


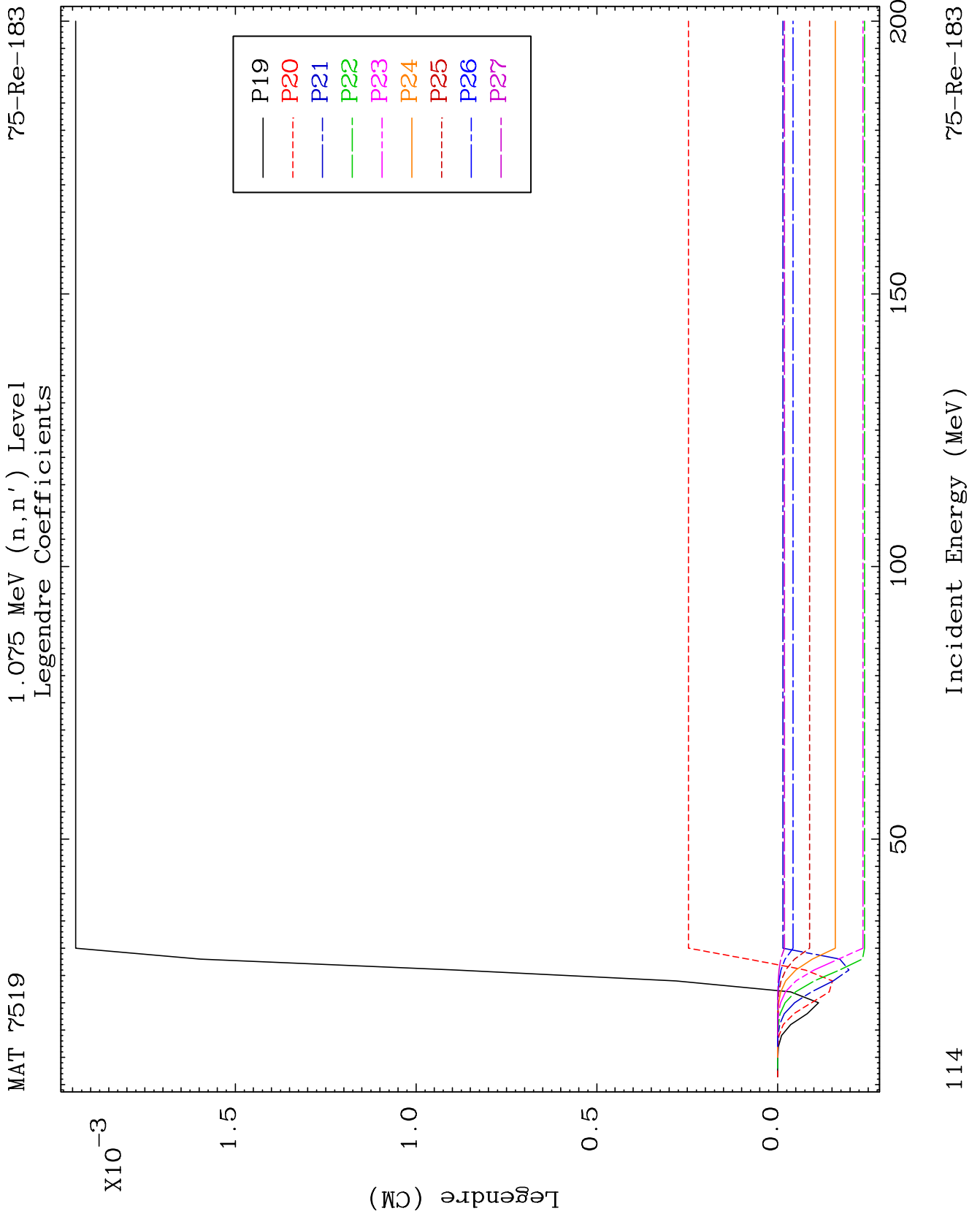
110

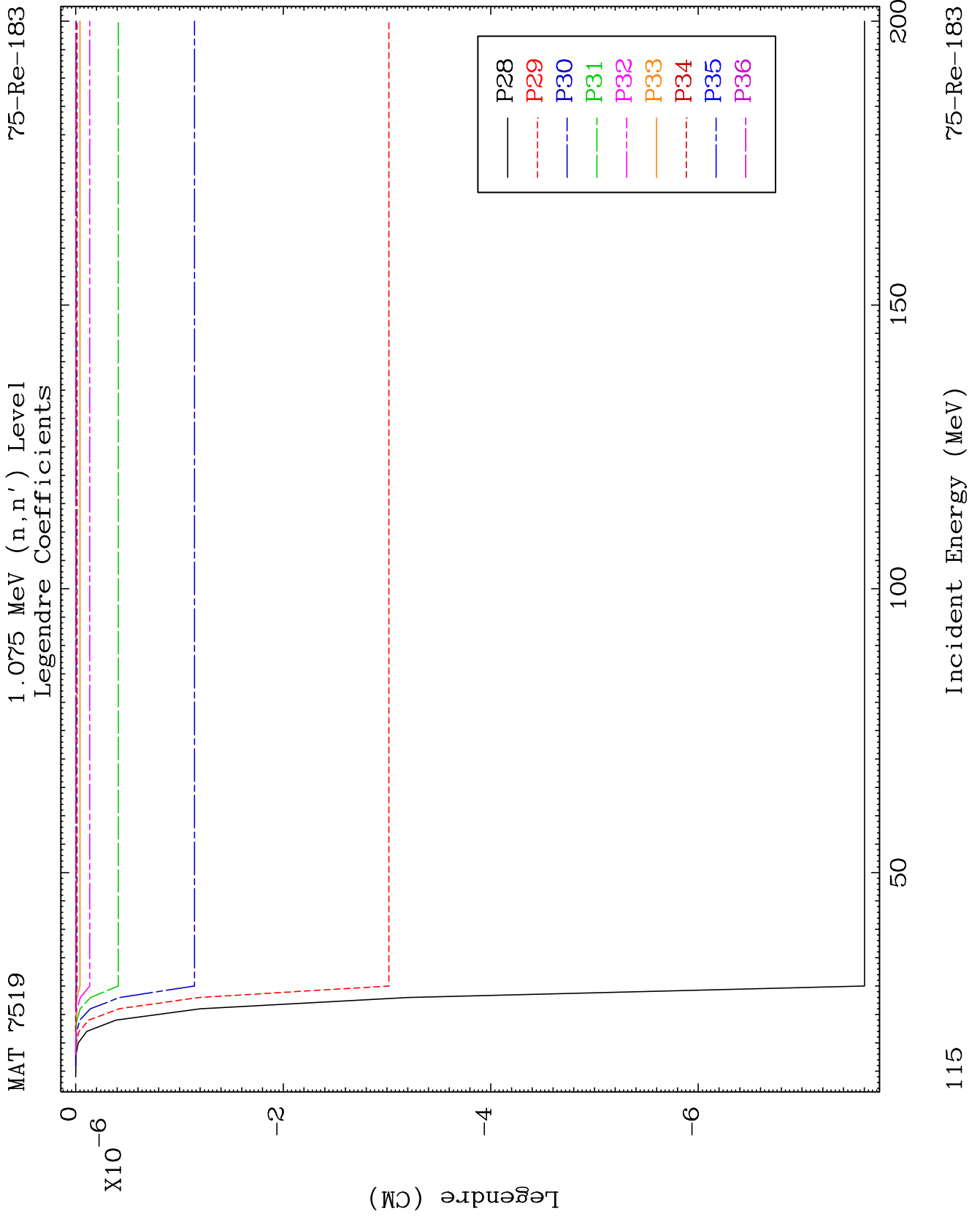
Incident Energy (MeV)

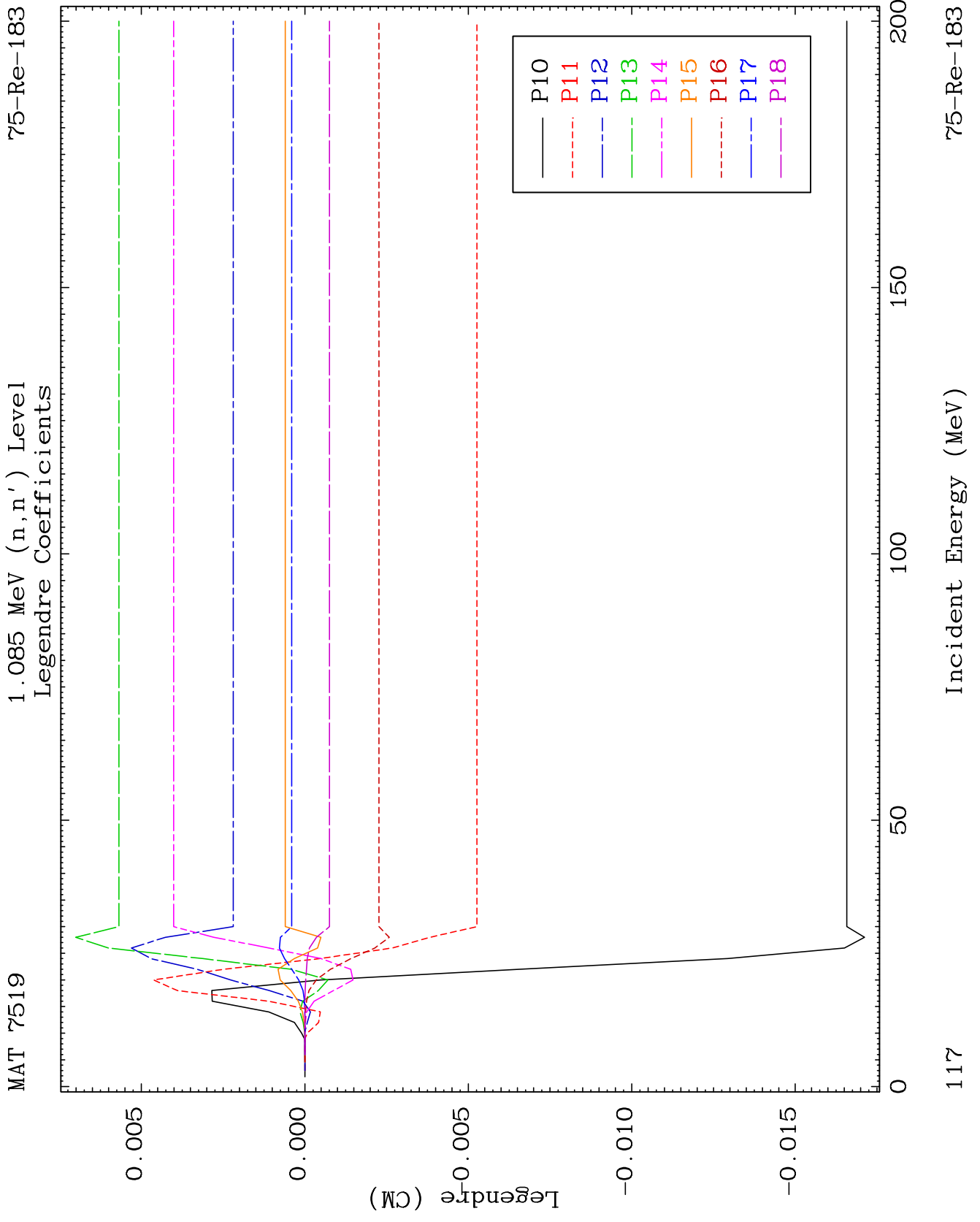
75-Re-183

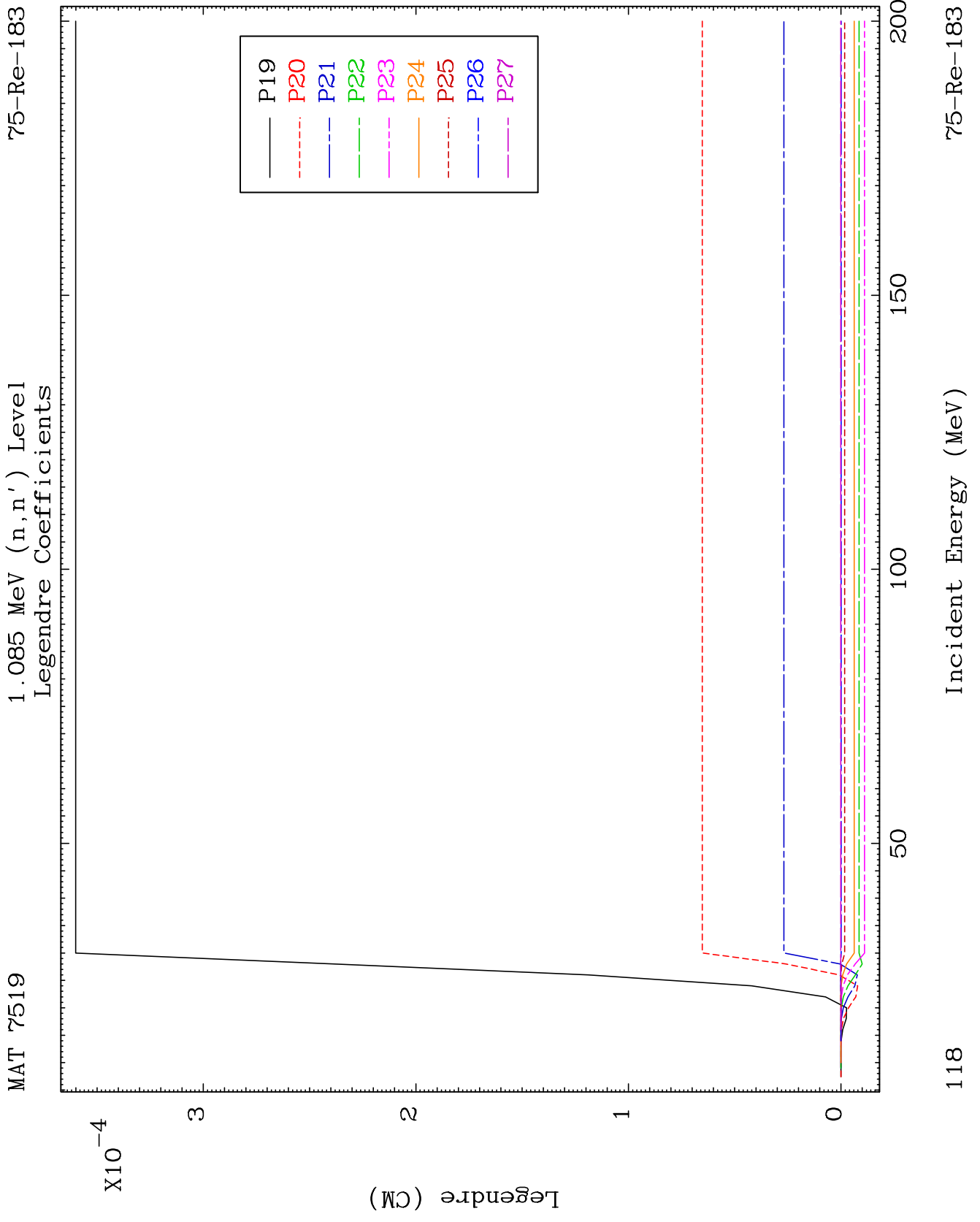








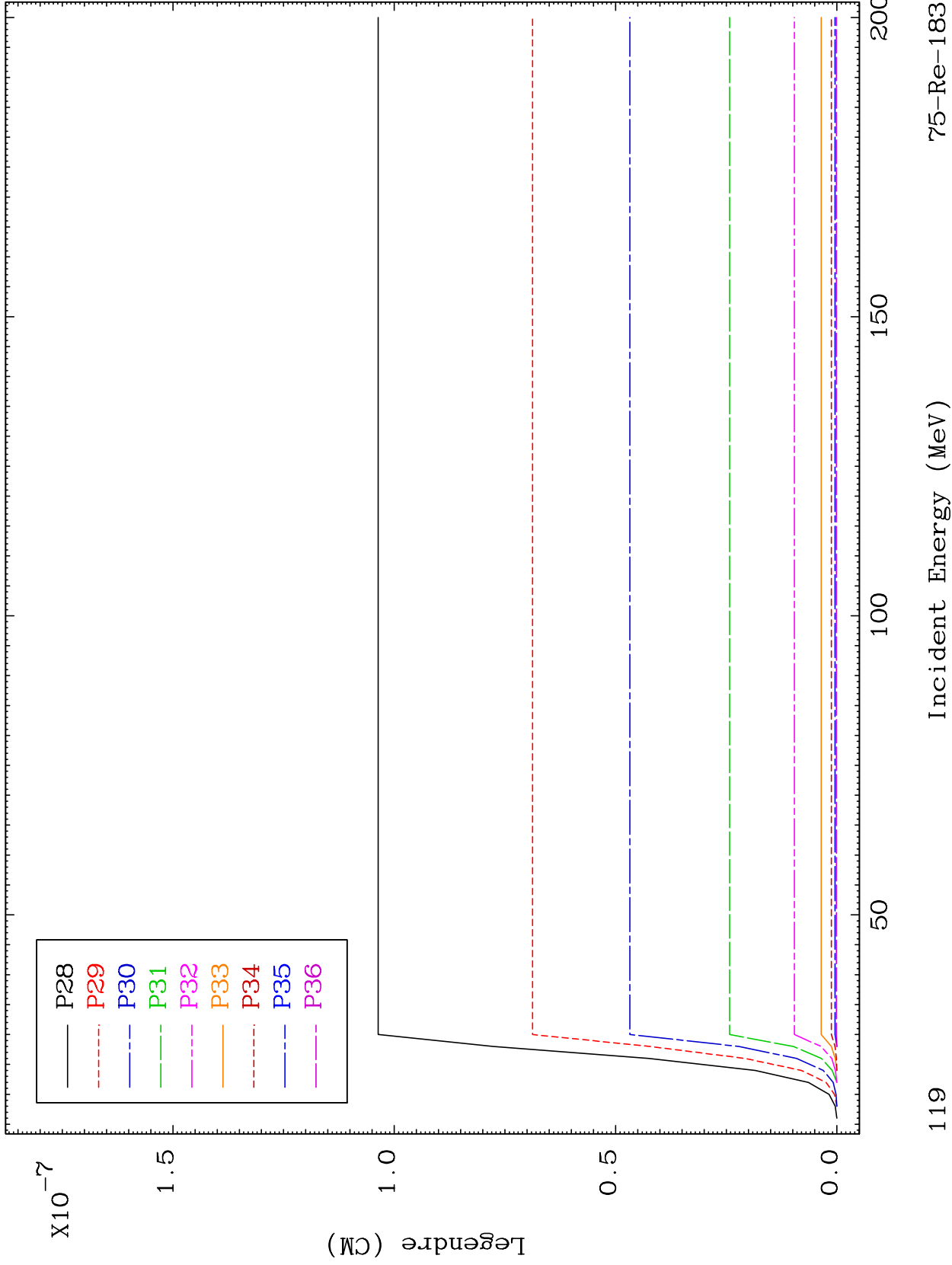


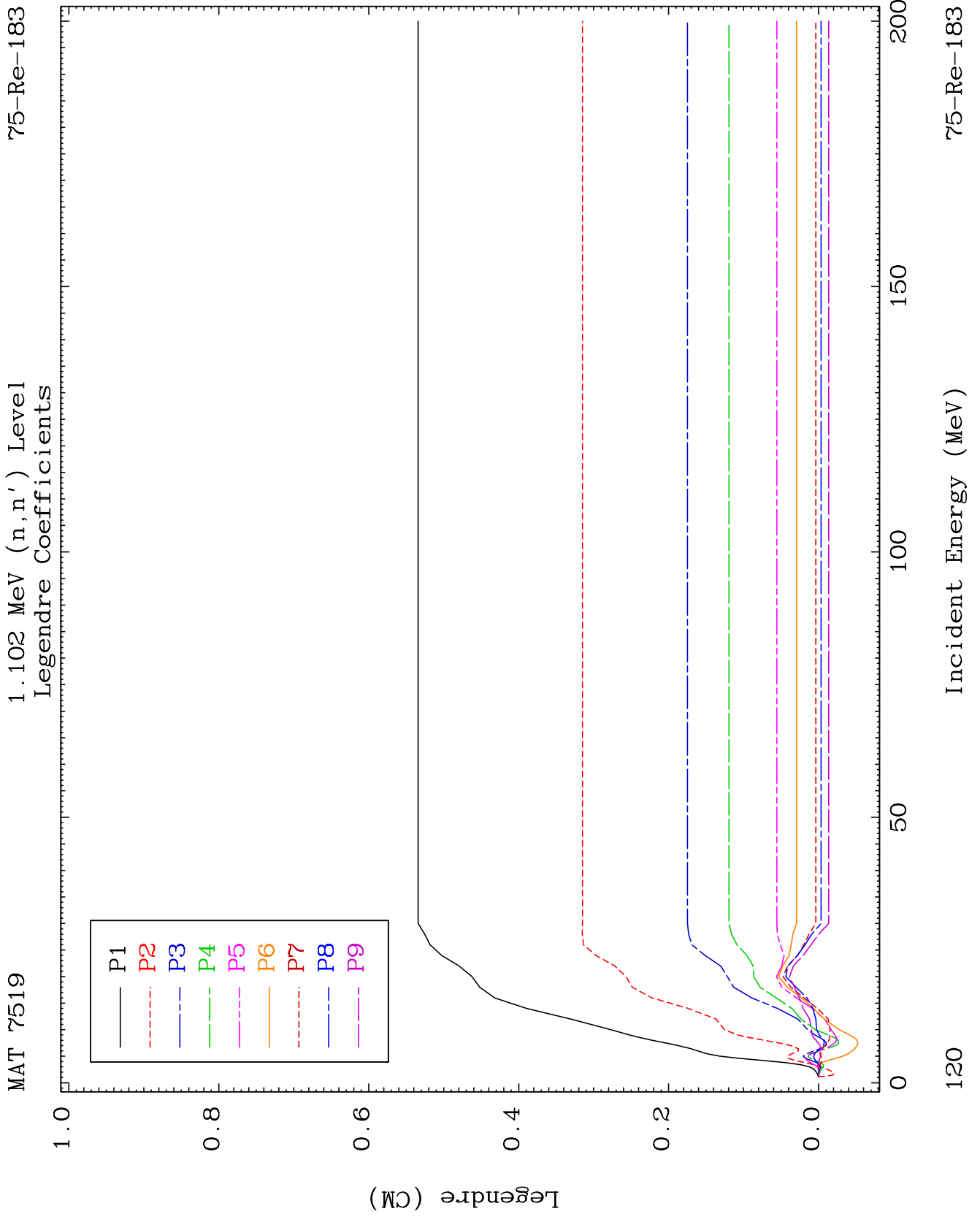


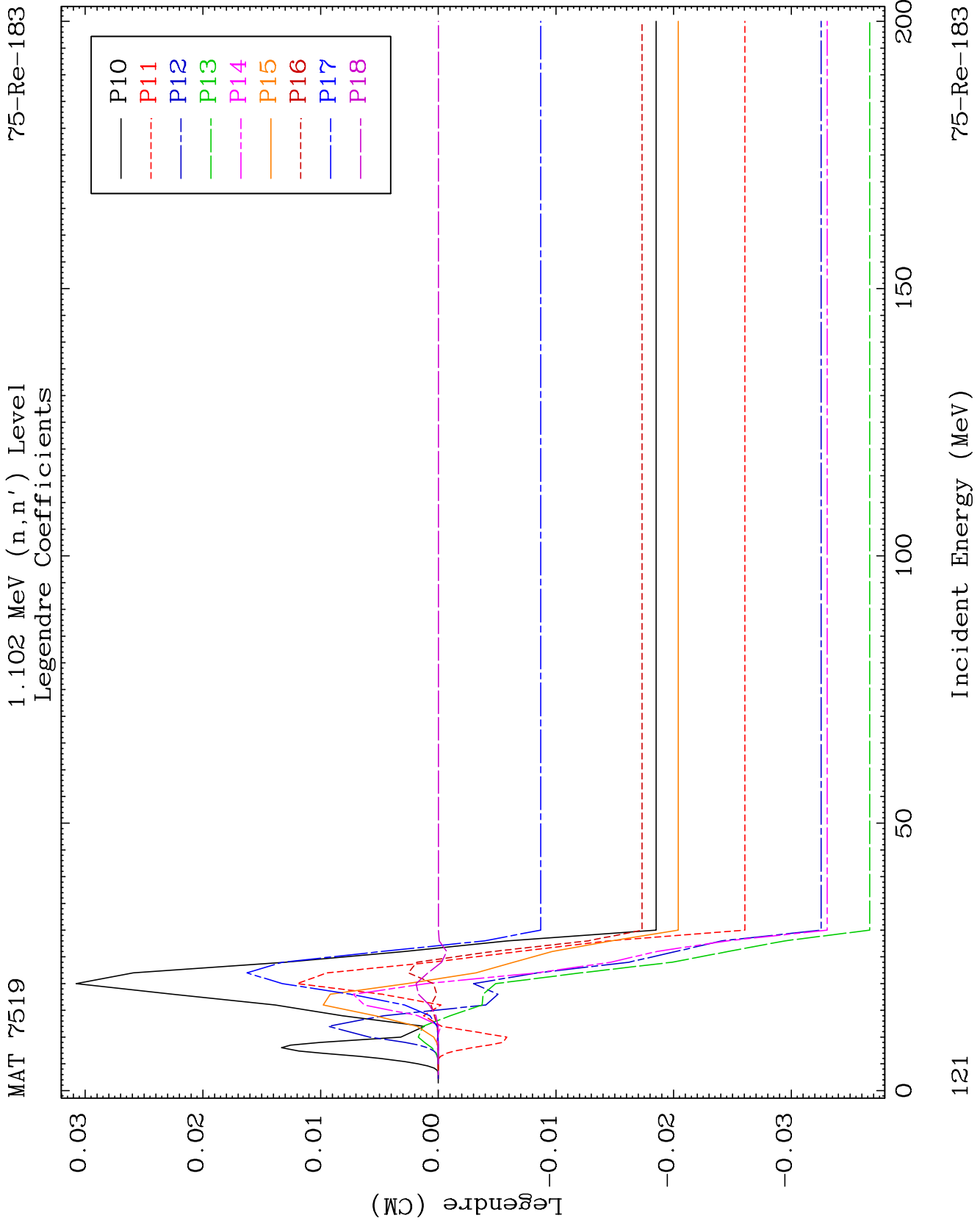
MAT 7519

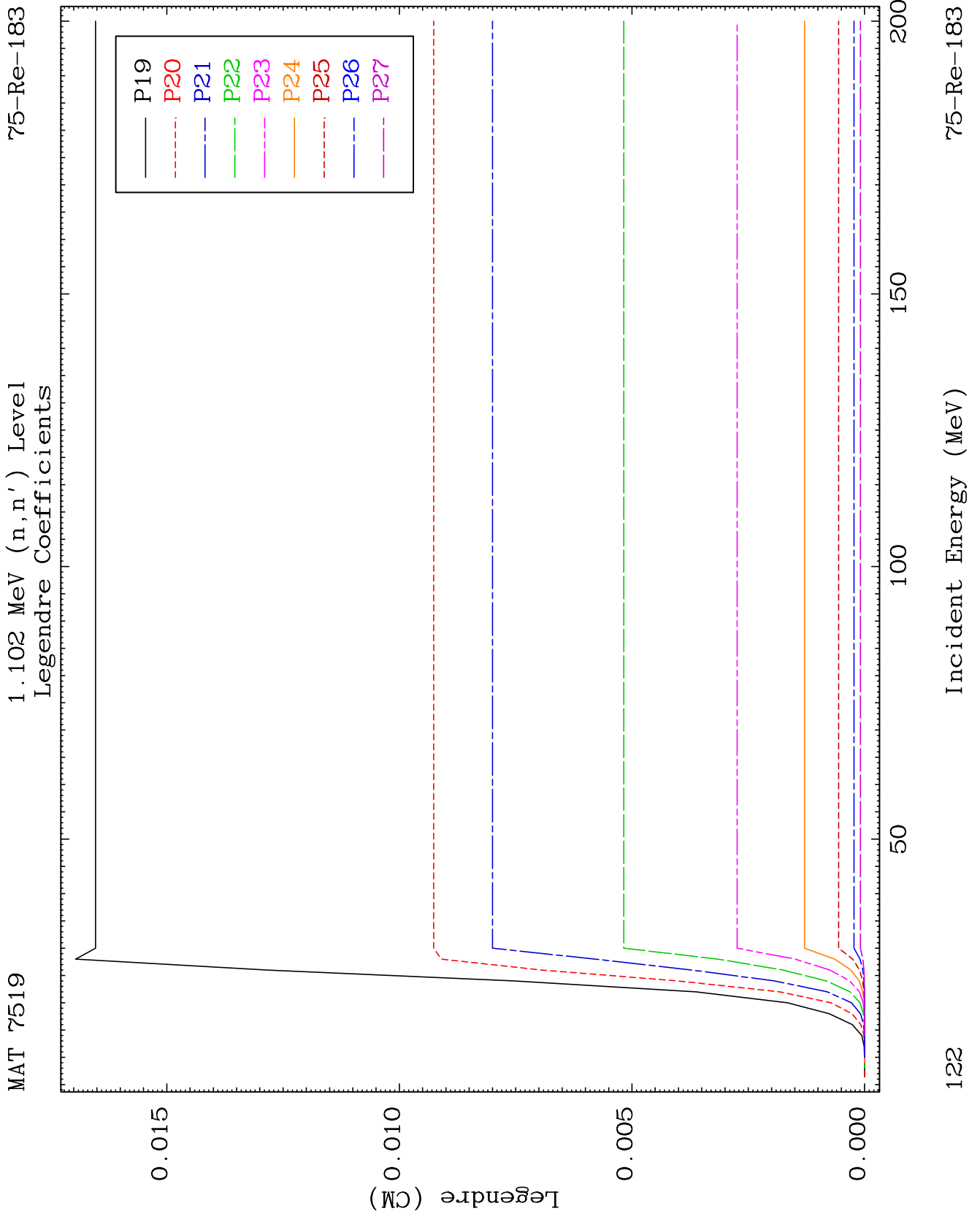
1.085 MeV (n,n') Level
Legendre Coefficients

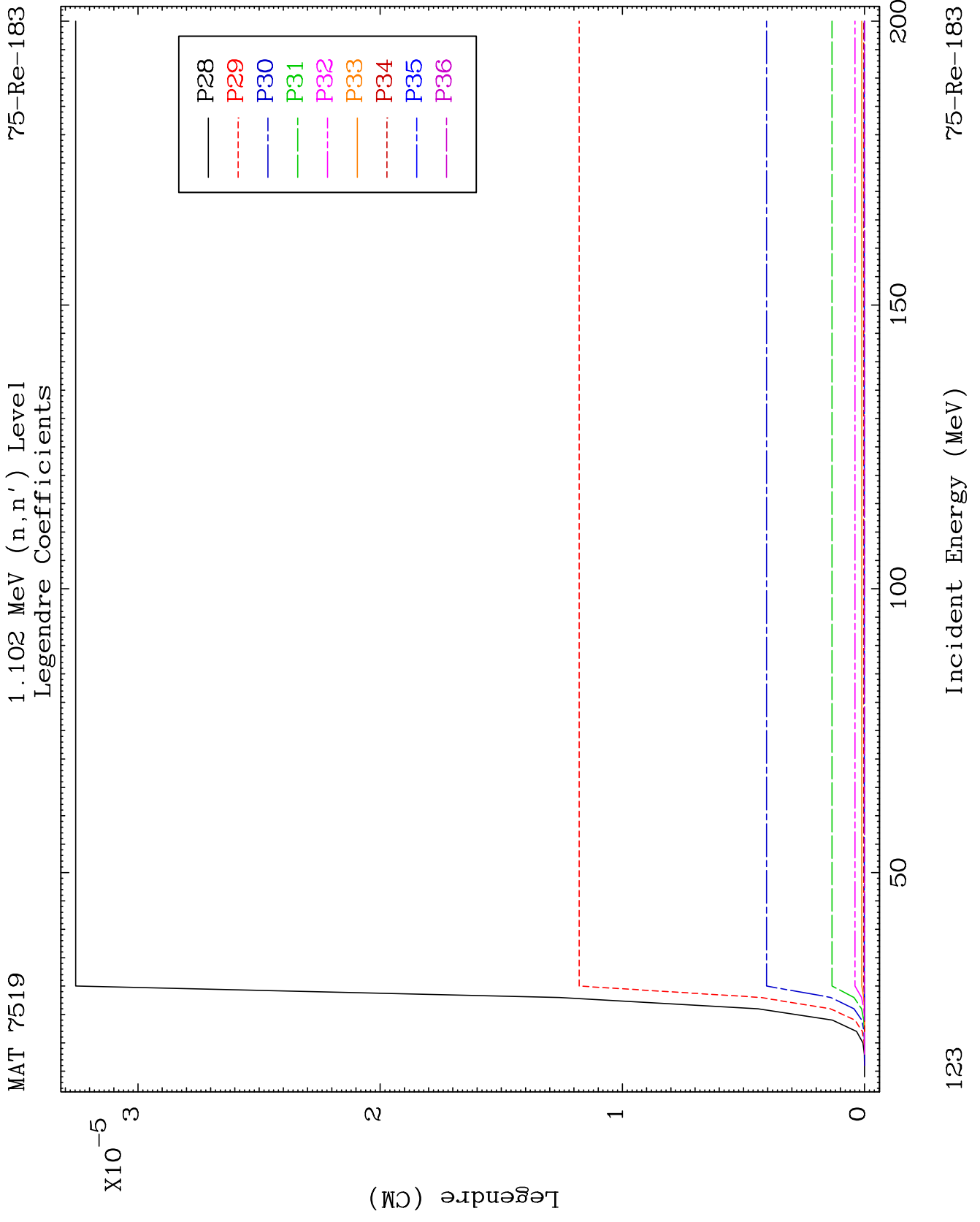
75-Re-183

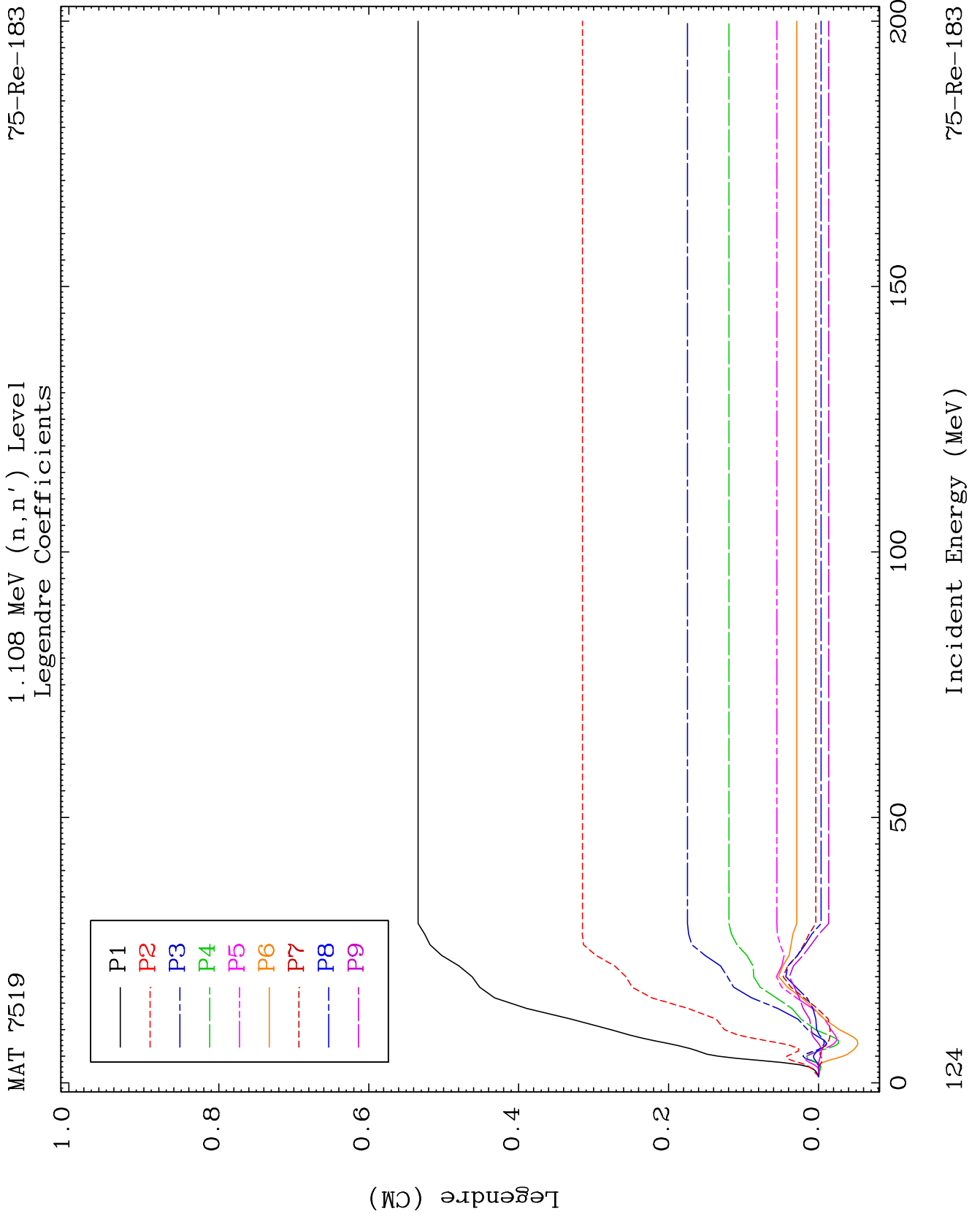


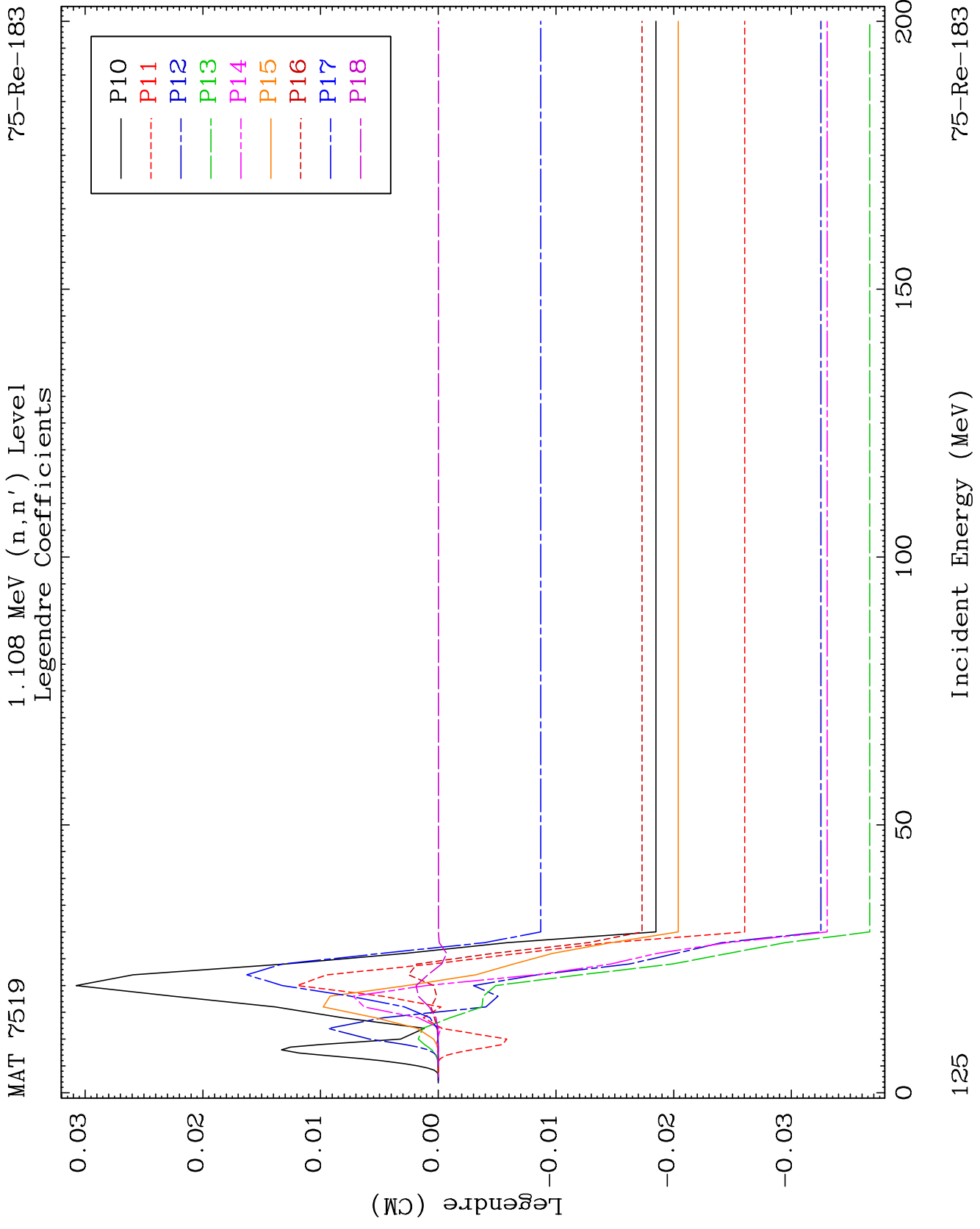


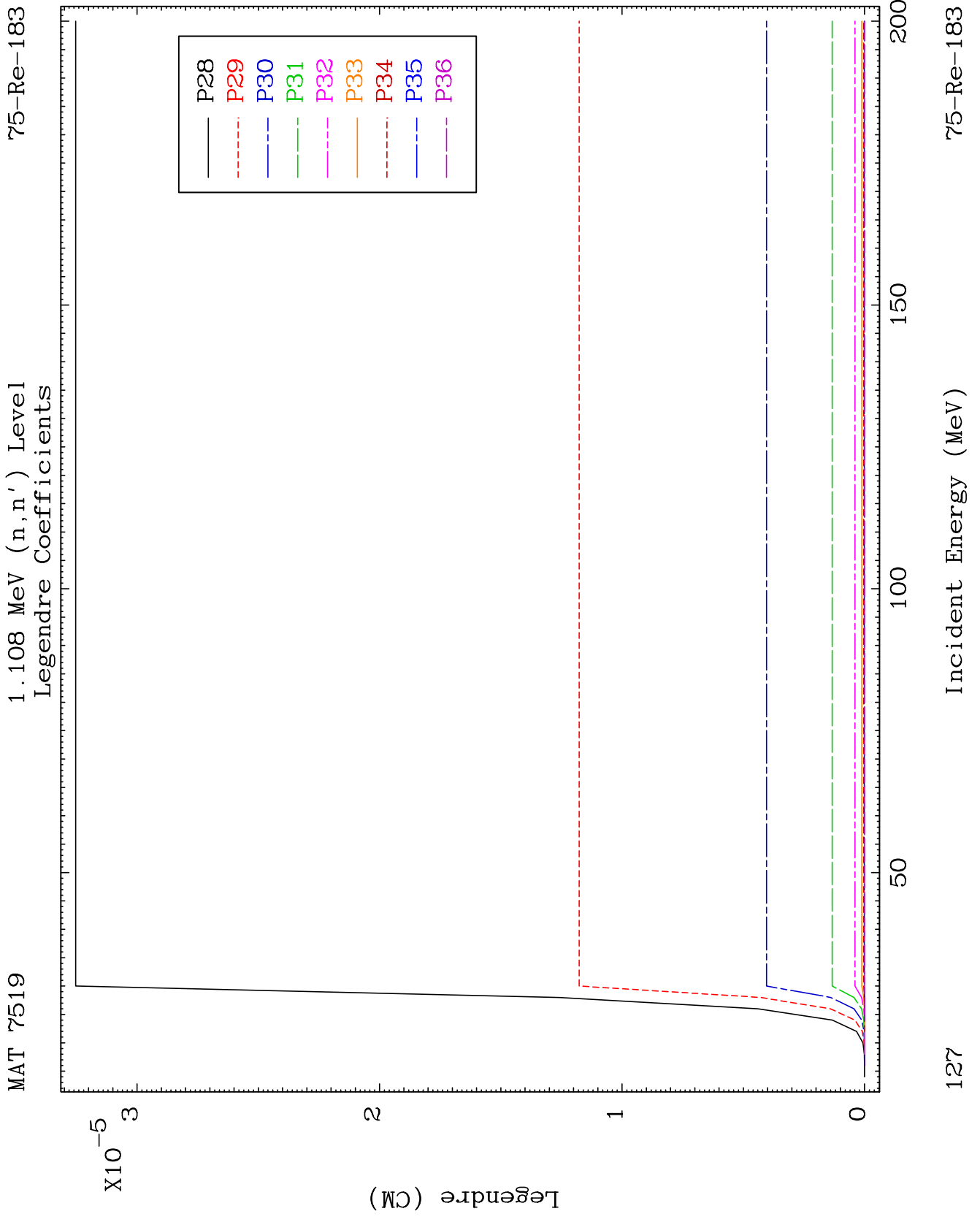


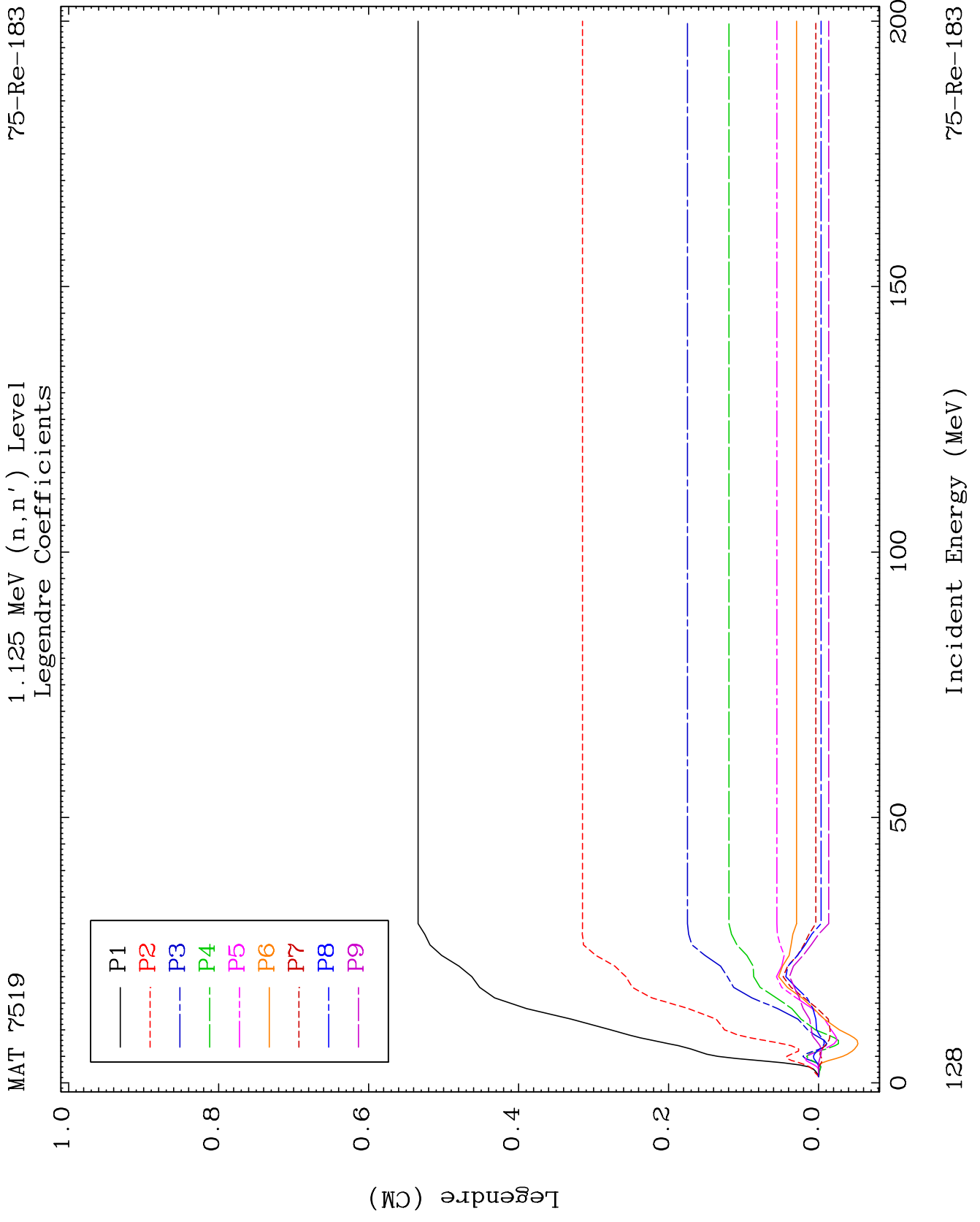


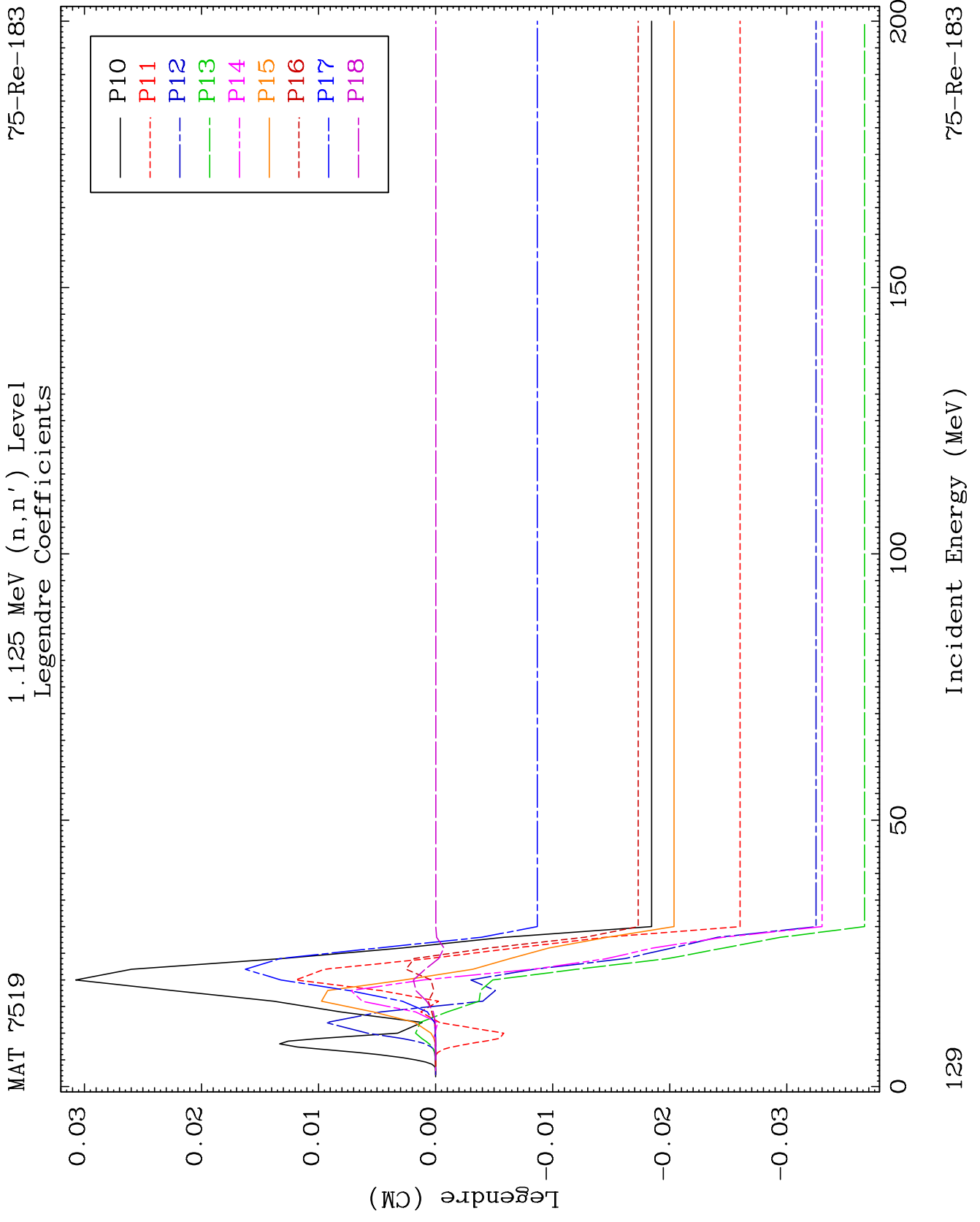


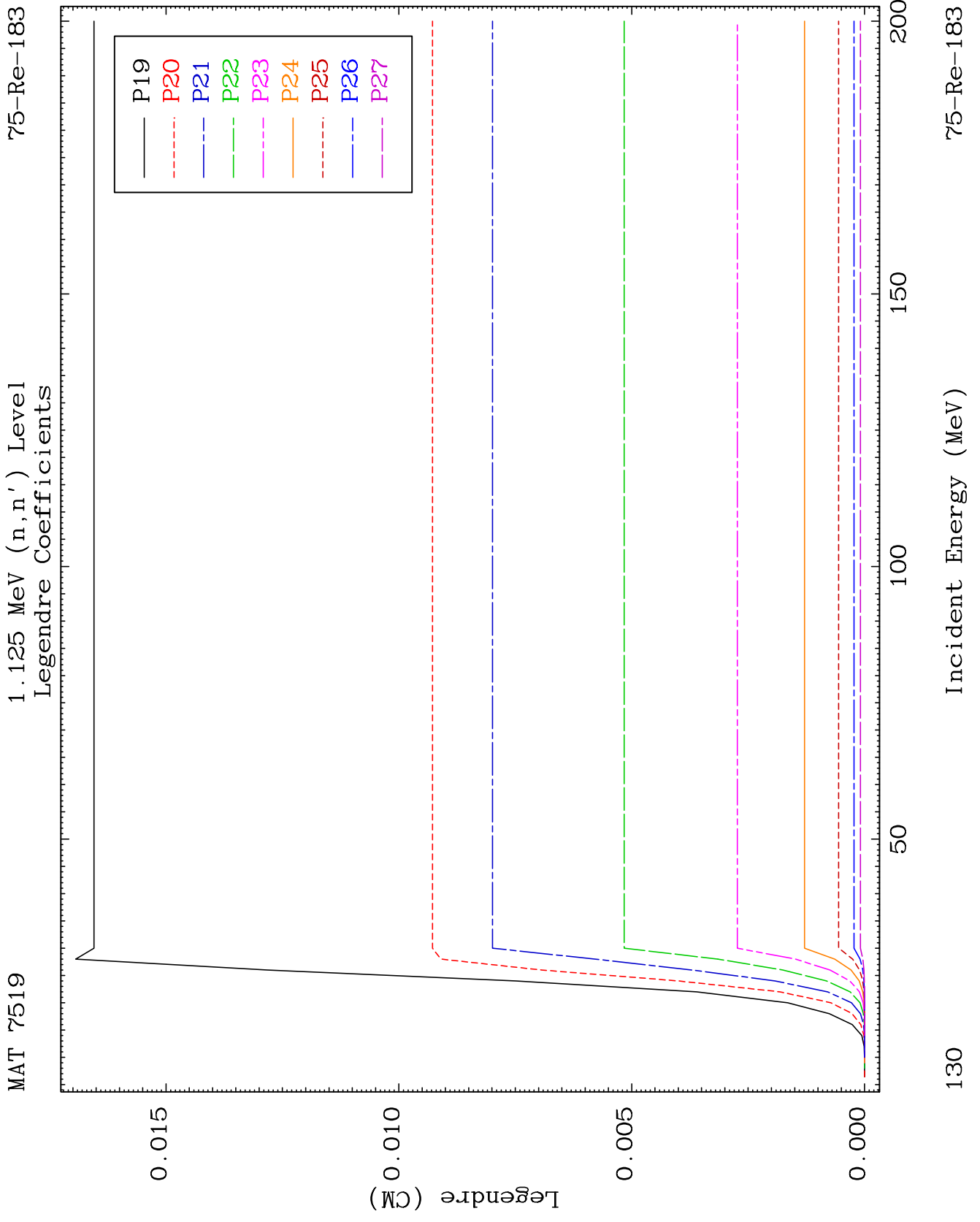


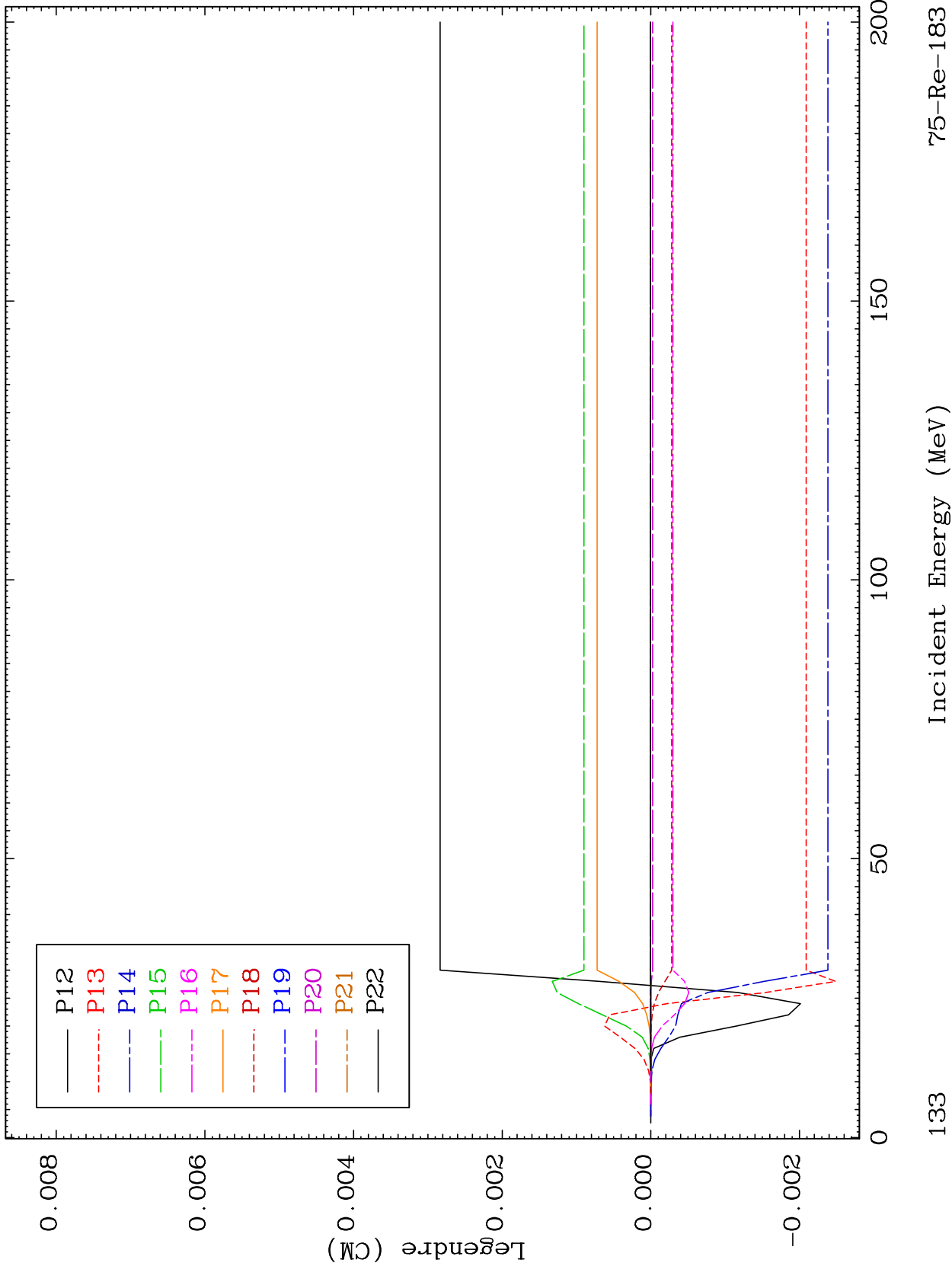








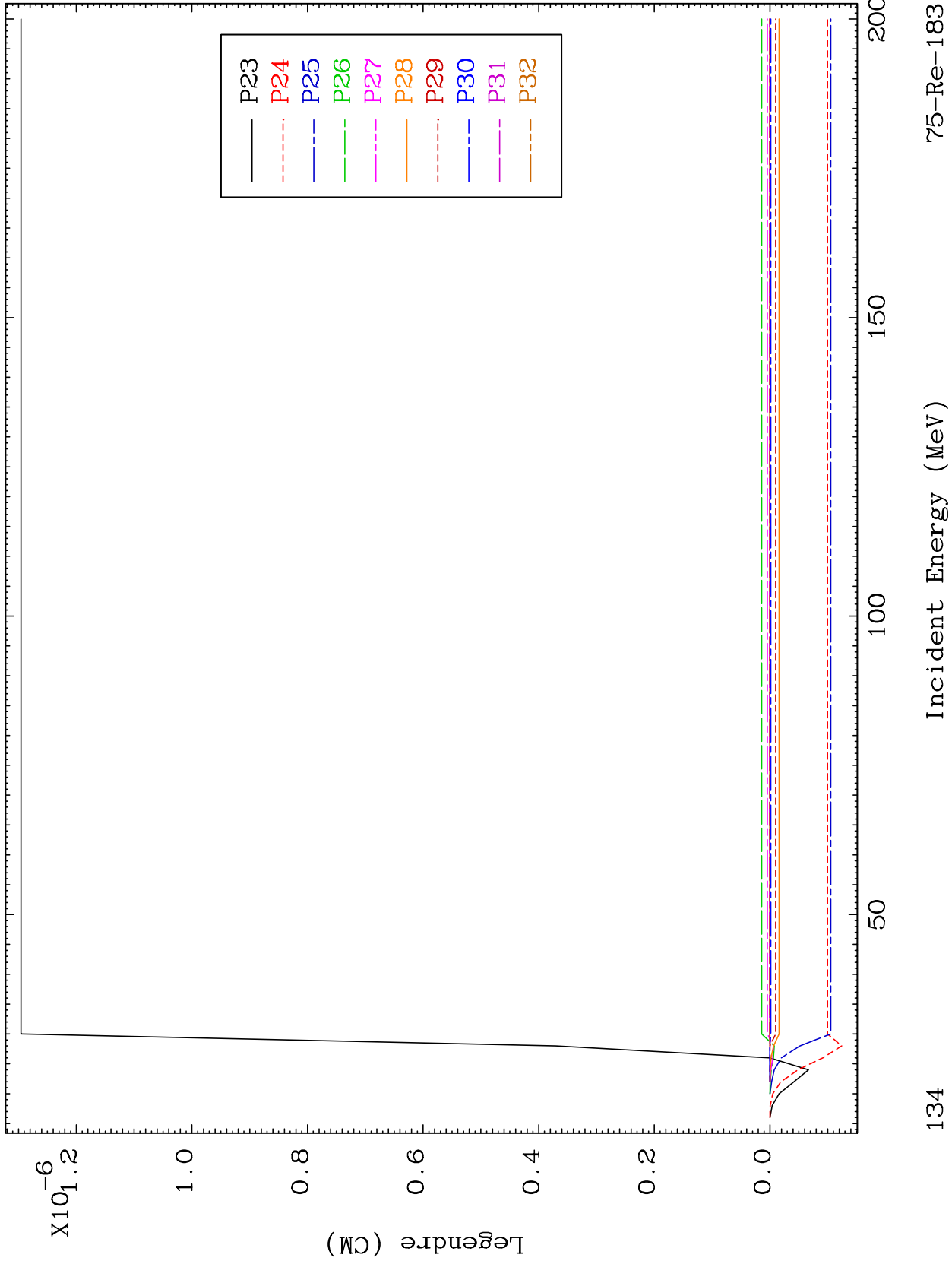




MAT 7519

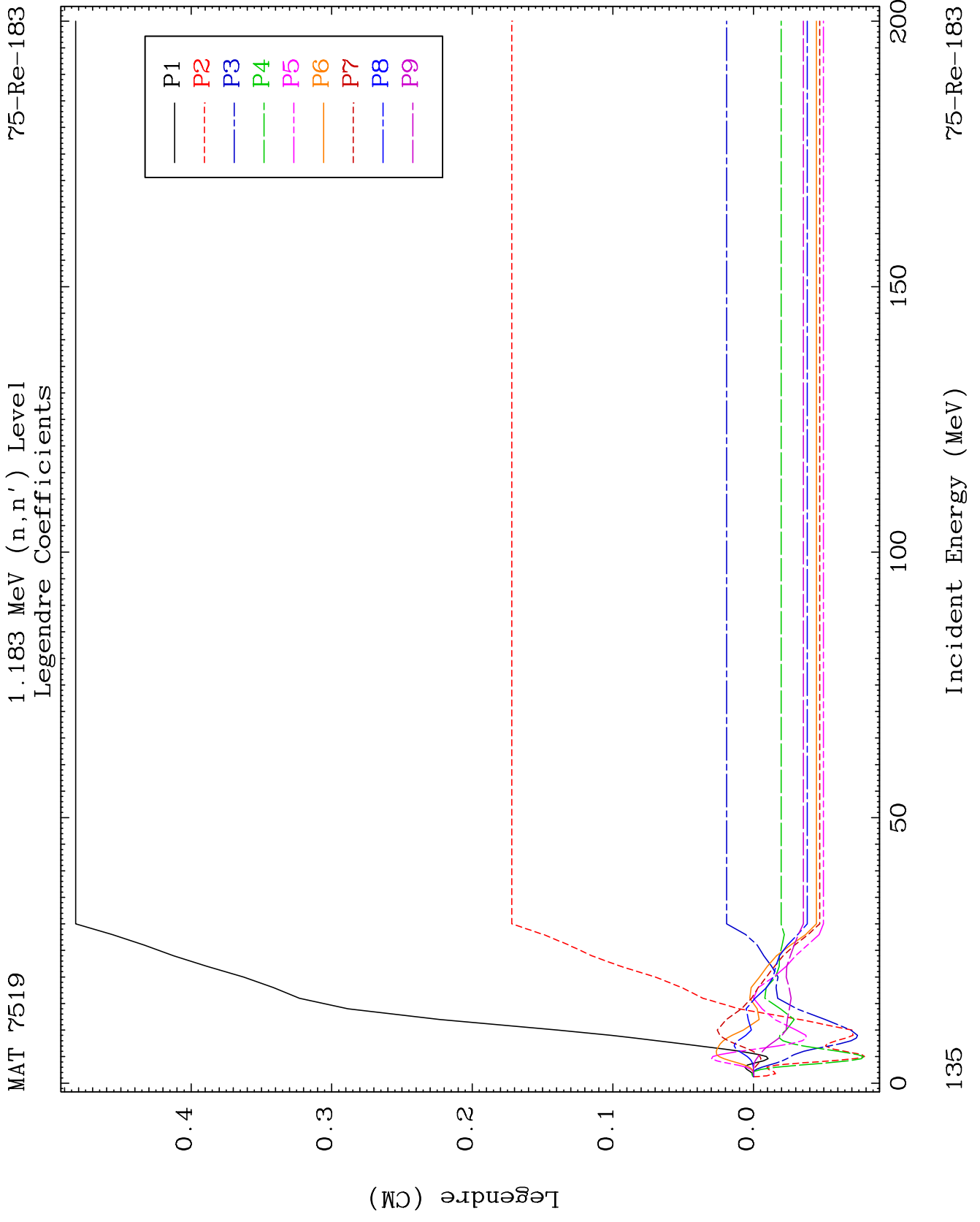
1.127 MeV (n, n') Level
Legendre Coefficients

75-Re-183



134

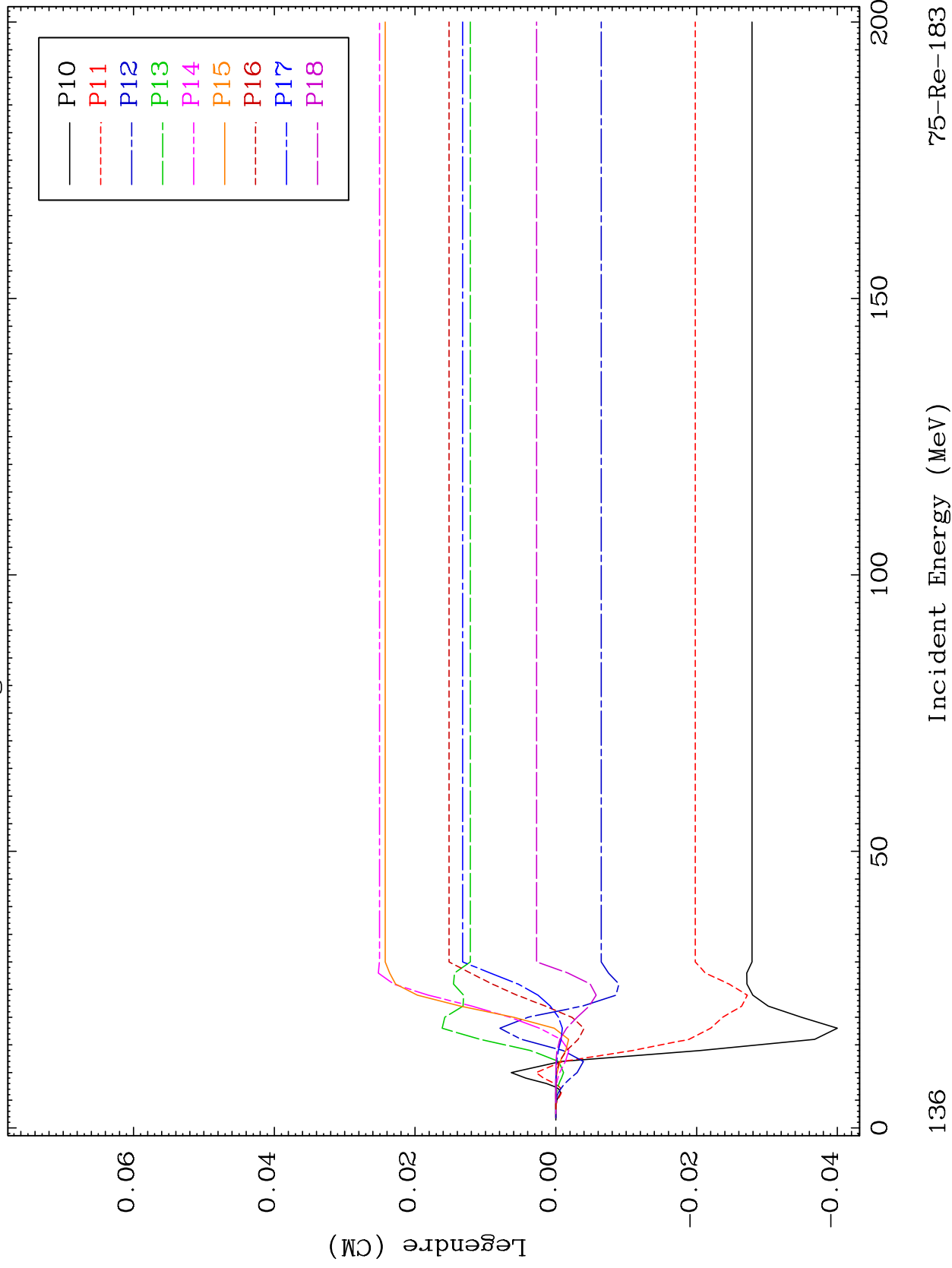
75-Re-183



MAT 7519

1.183 MeV (n,n') Level
Legendre Coefficients

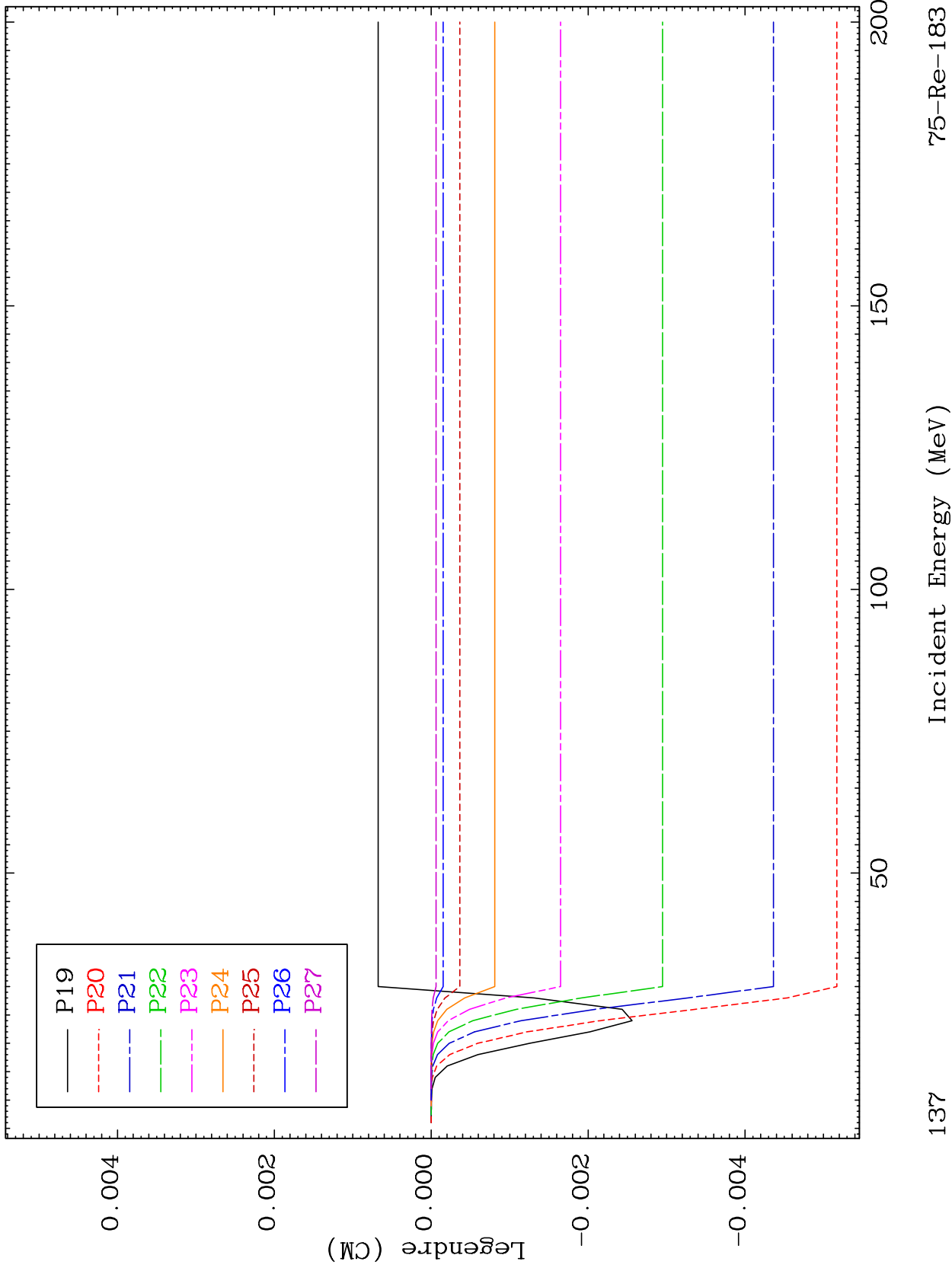
75-Re-183

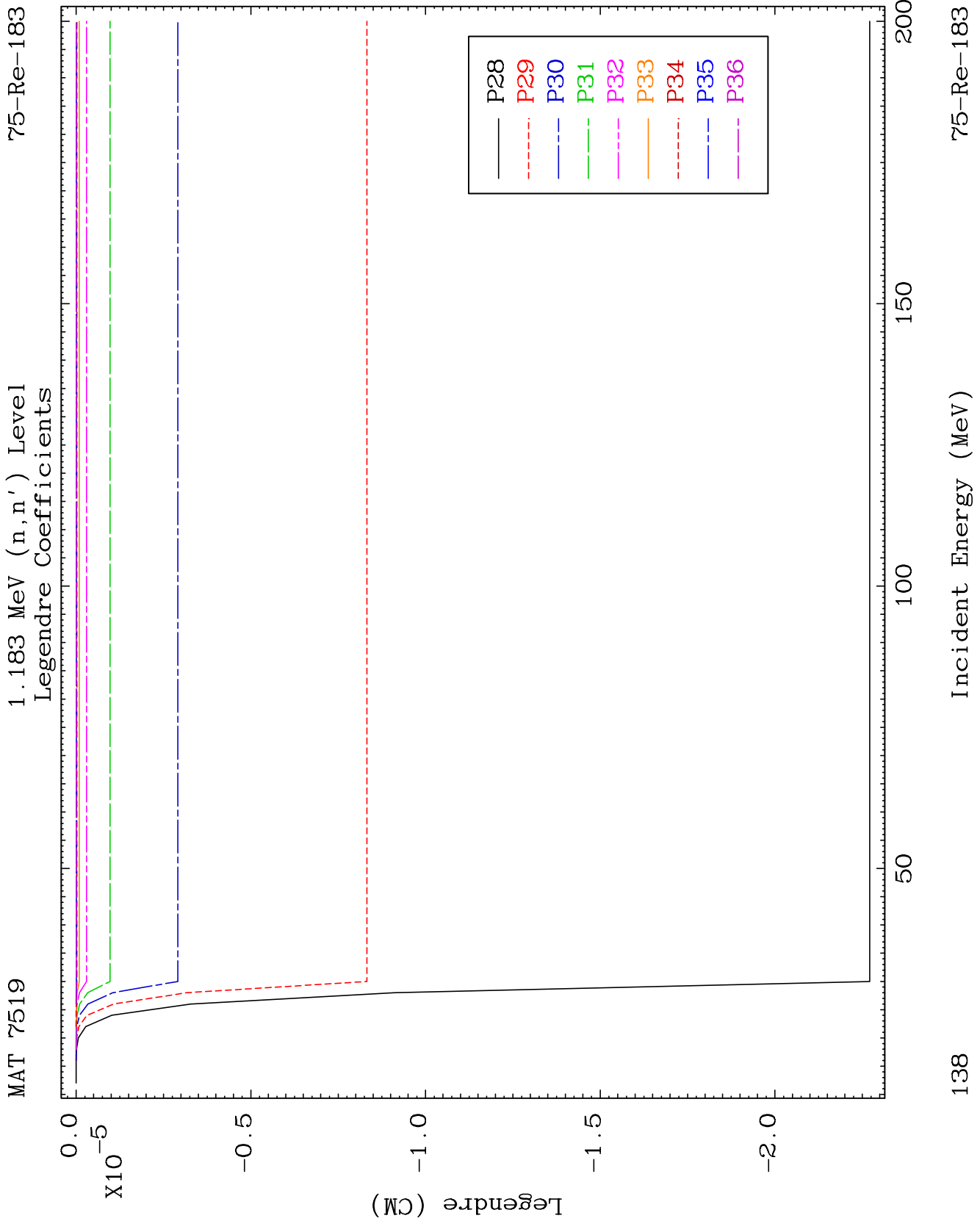


75-Re-183

Incident Energy (MeV)

136

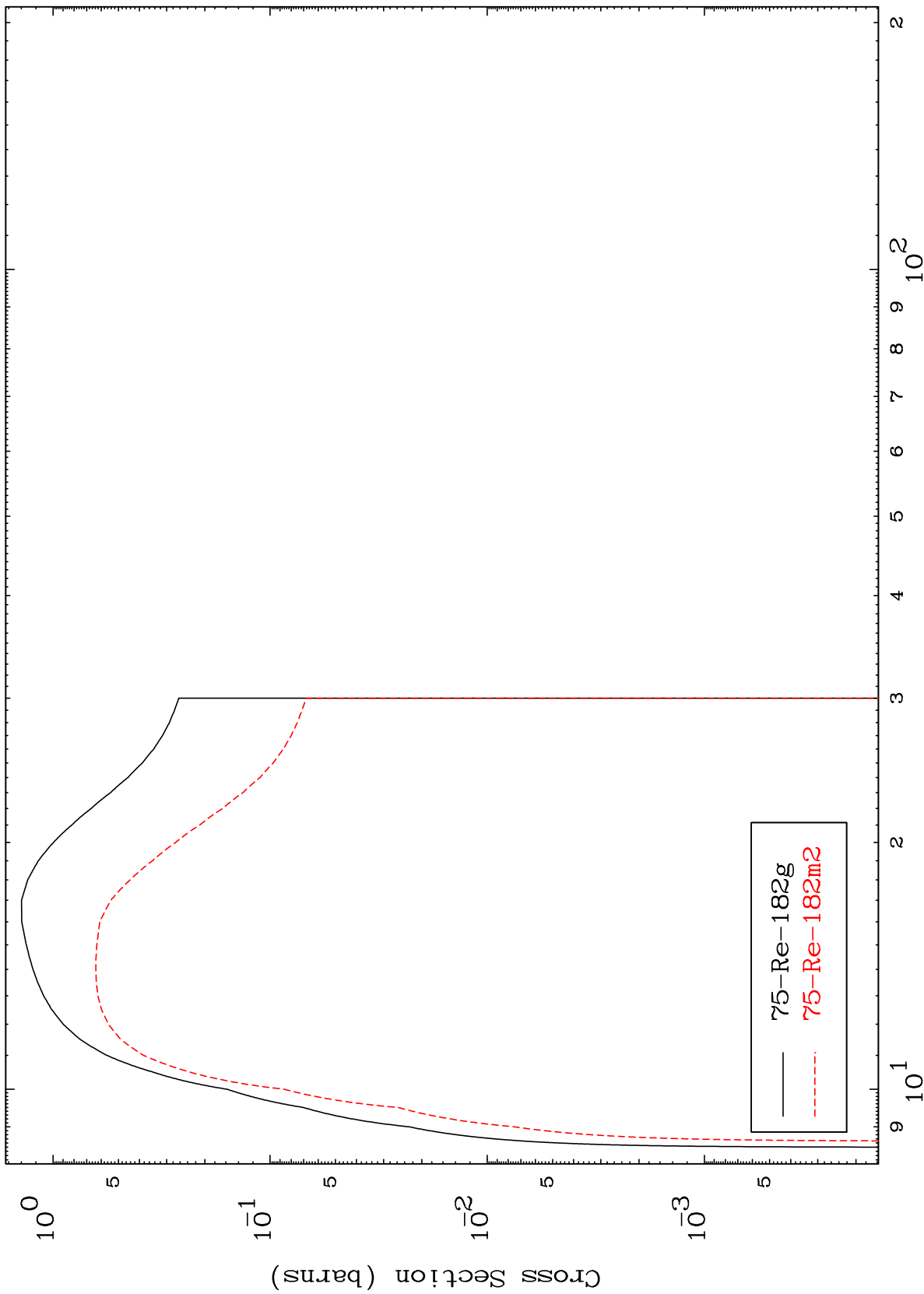




MAT 7519

75-Re-183

(n,2n)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

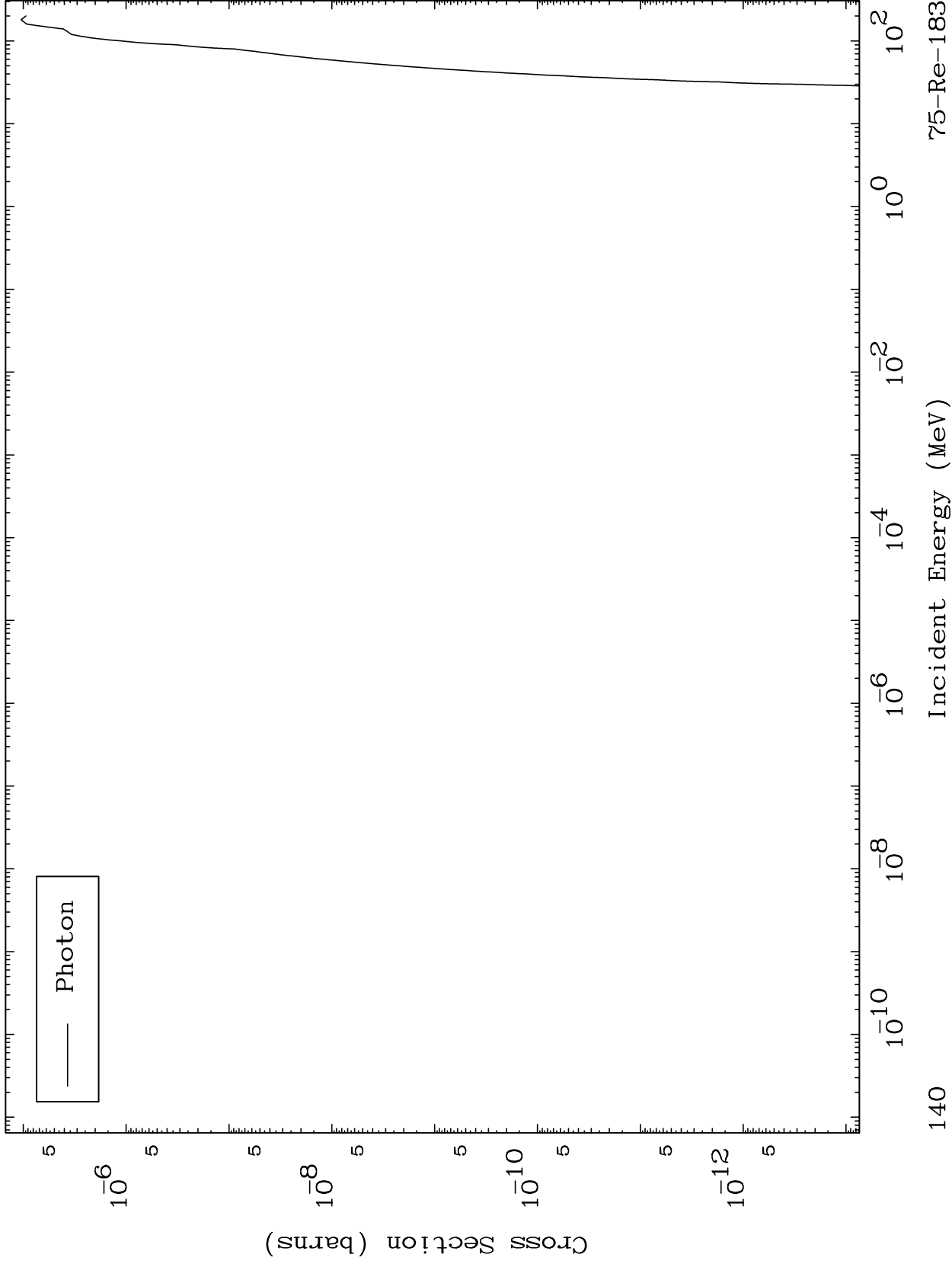
75-Re-183

MAT 7519

Fission

⁷⁵Re-183

Radionuclide Production Cross Section



140

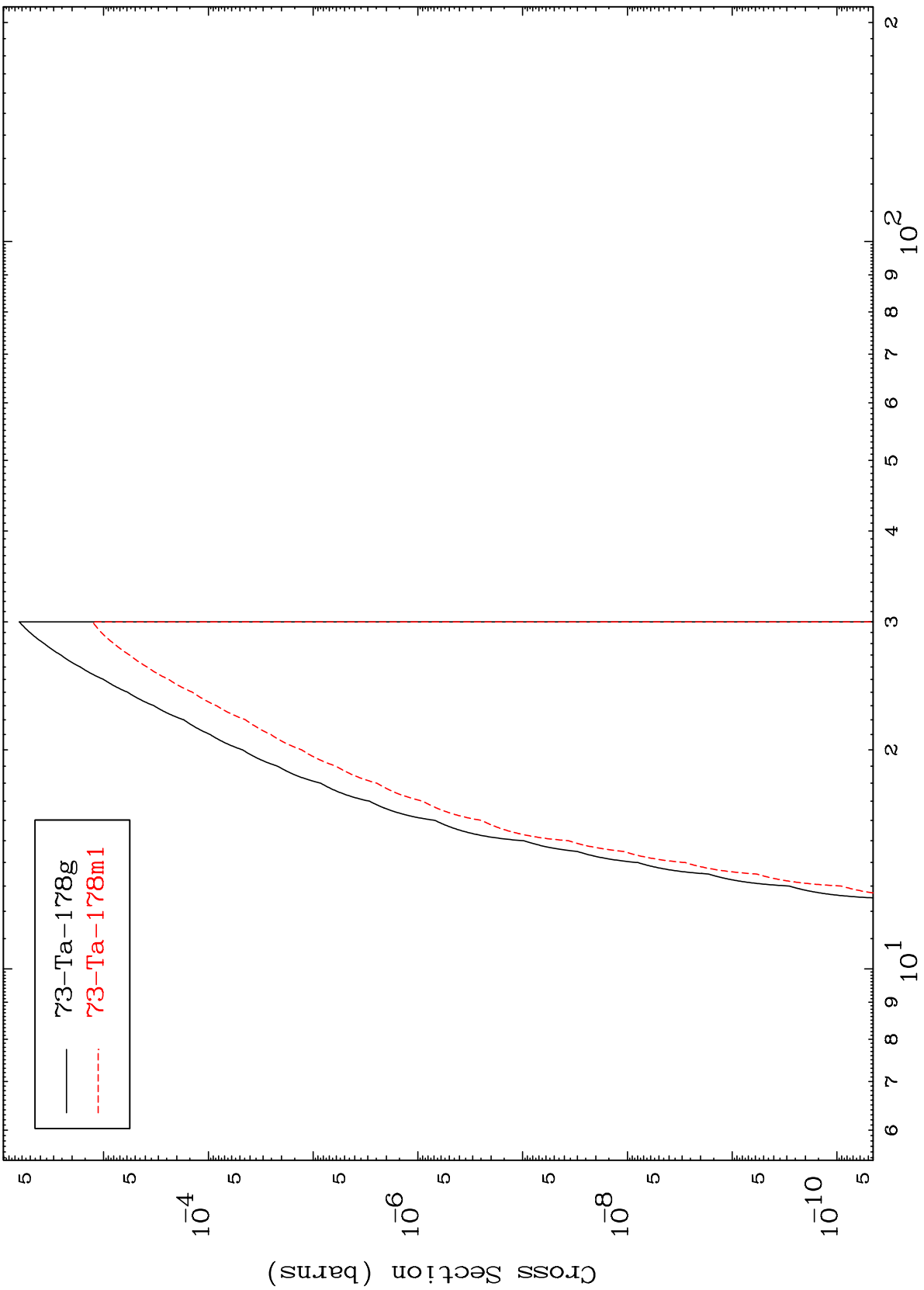
⁷⁵Re-183

MAT 7519

$(n,2n) \alpha$

75-Re-183

Radionuclide Production Cross Section



141

Incident Energy (MeV)

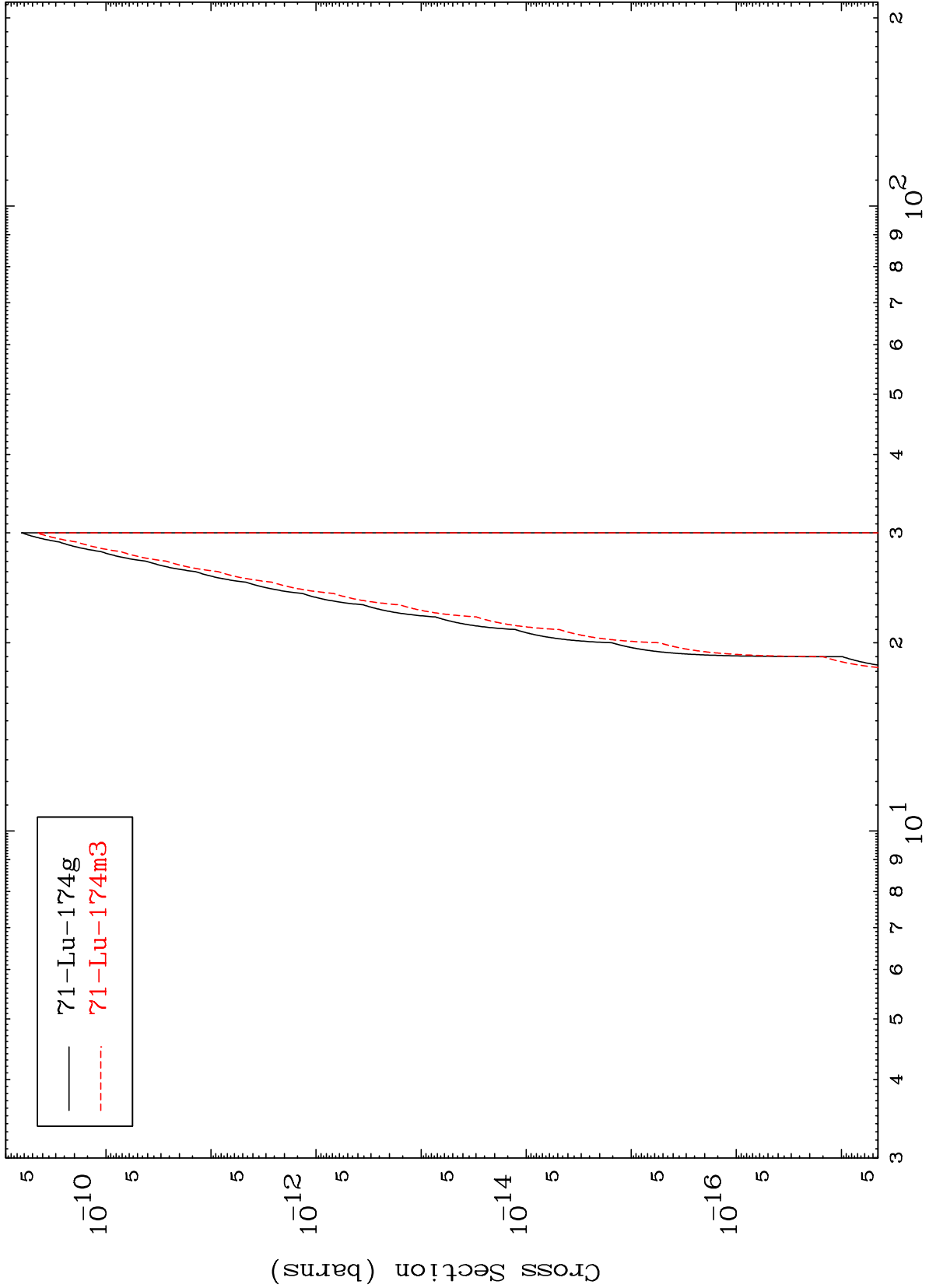
75-Re-183

MAT 7519

^{75}Re

^{183}Re

Radionuclide Production Cross Section

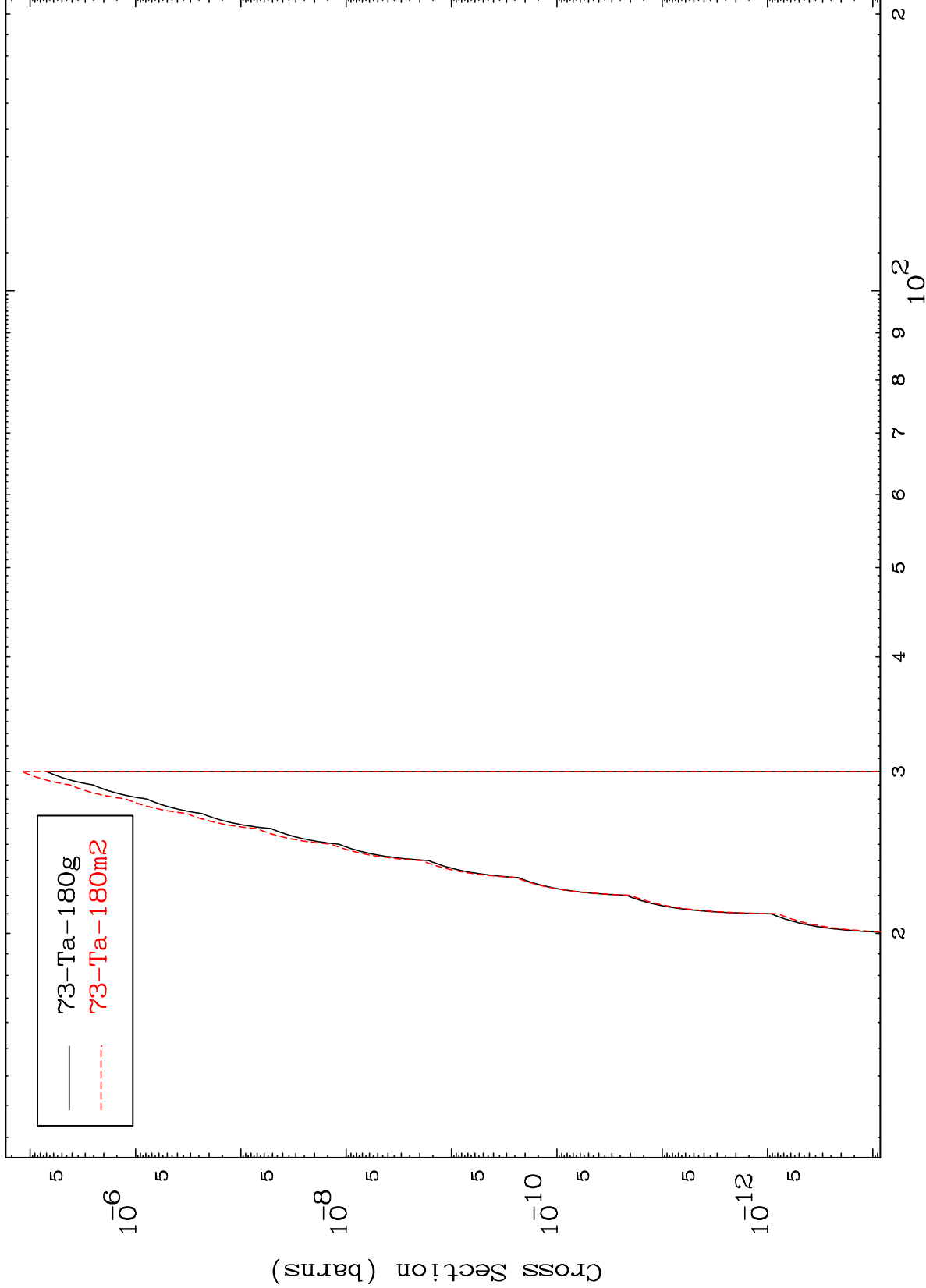


142

Incident Energy (MeV)

^{183}Re

Radionuclide Production Cross Section

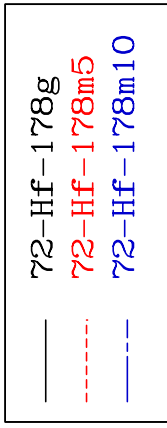
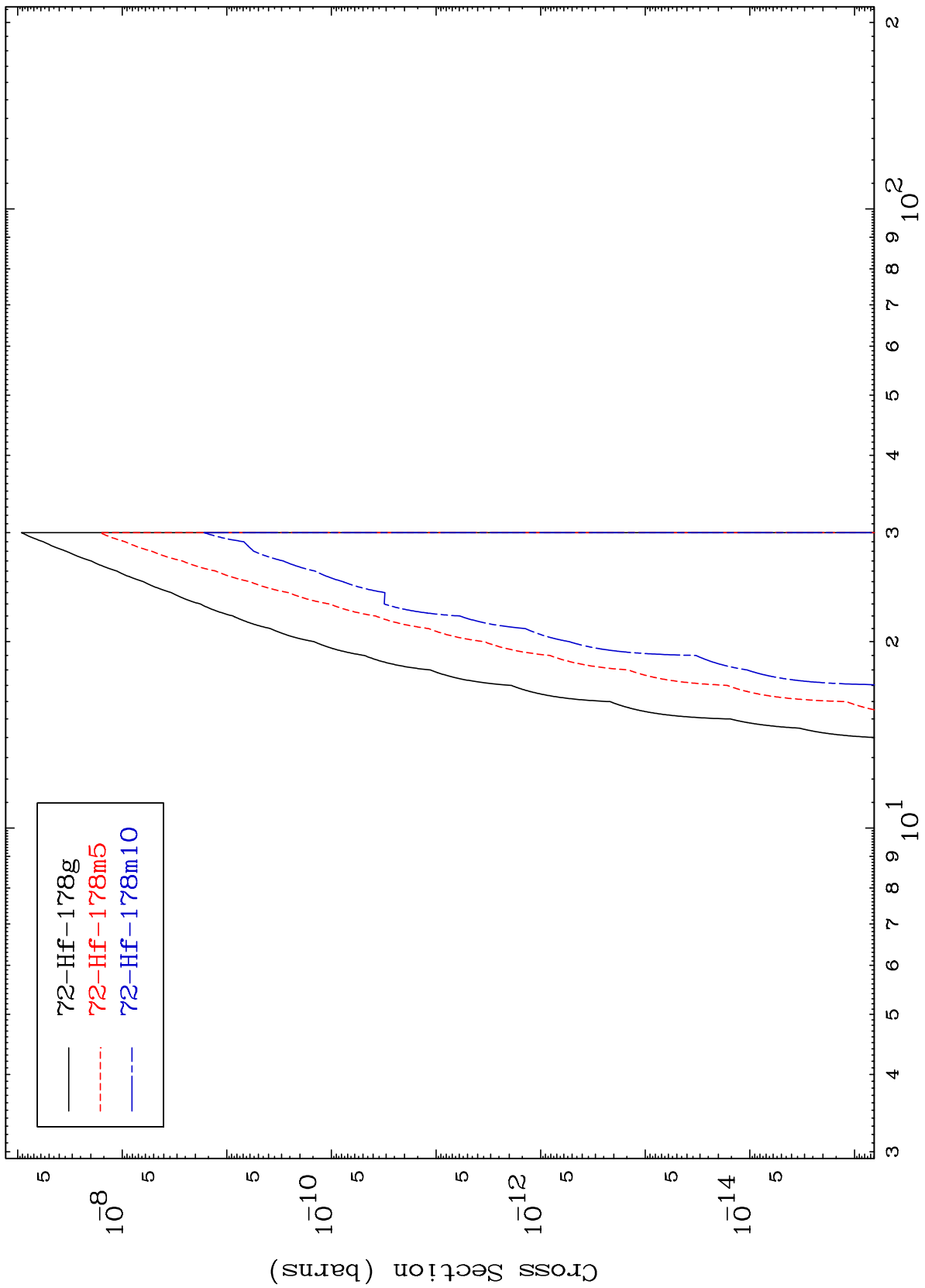


MAT 7519

(n,n') p α

75-Re-183

Radionuclide Production Cross Section



144

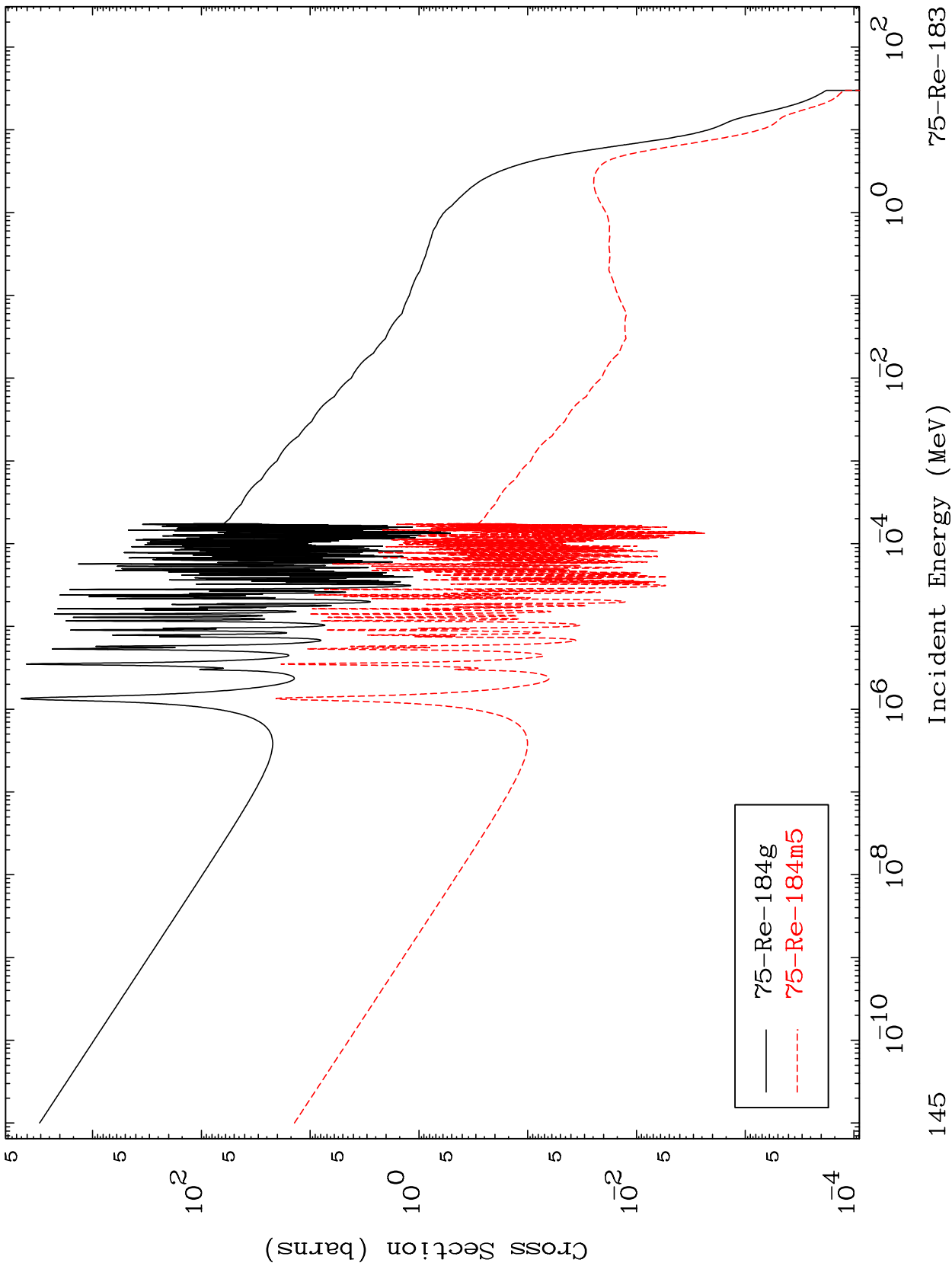
Incident Energy (MeV)

75-Re-183

MAT 7519

75-Re-183

(n, γ)
Radionuclide Production Cross Section

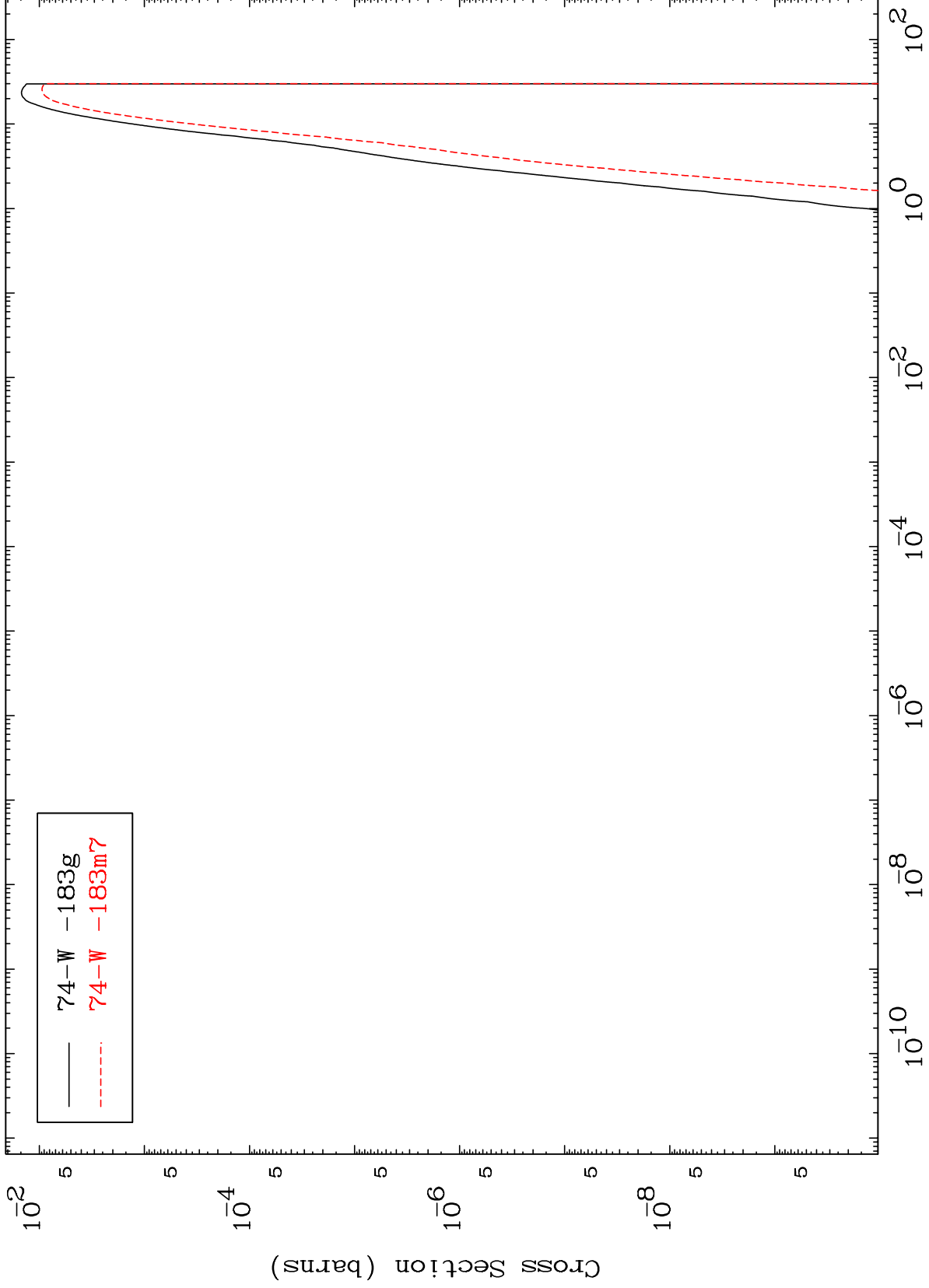


MAT 7519

(n,p)

⁷⁵Re-183

Radionuclide Production Cross Section



74-W-183g
74-W-183m7

146

Incident Energy (MeV)

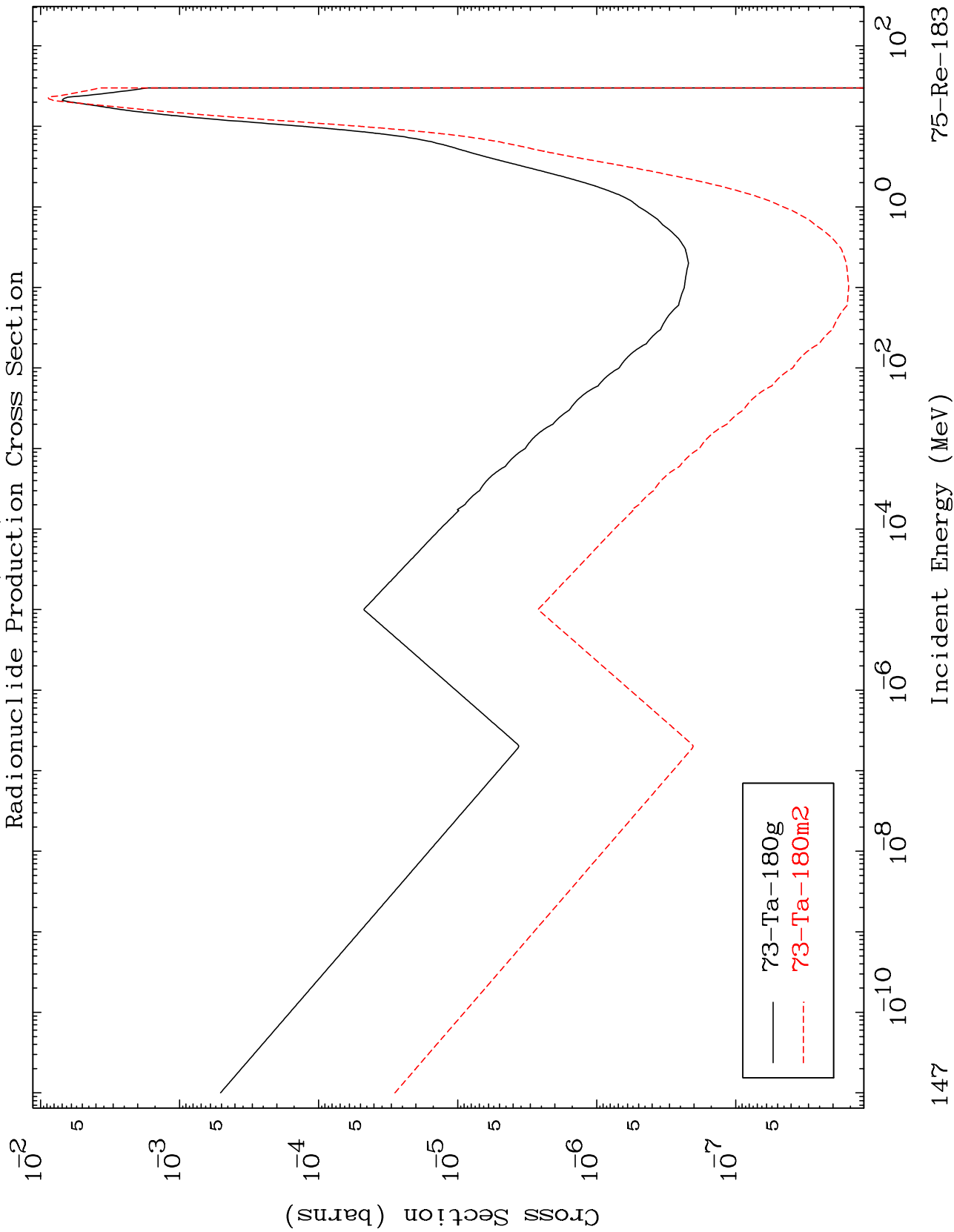
⁷⁵Re-183

MAT 7519

75-Re-183

Radionuclide Production Cross Section

(n, α)

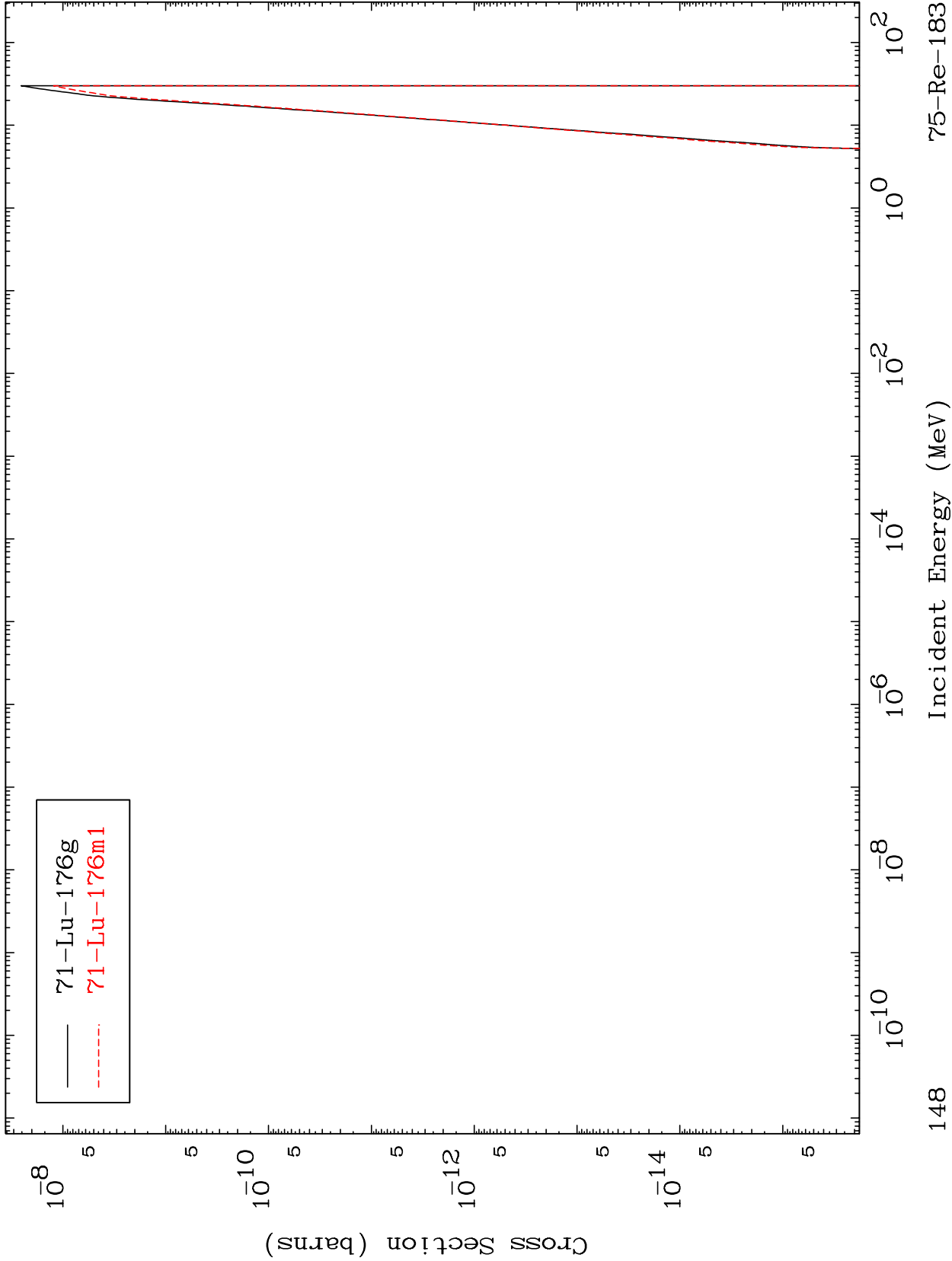


MAT 7519

(n,2α)

75-Re-183

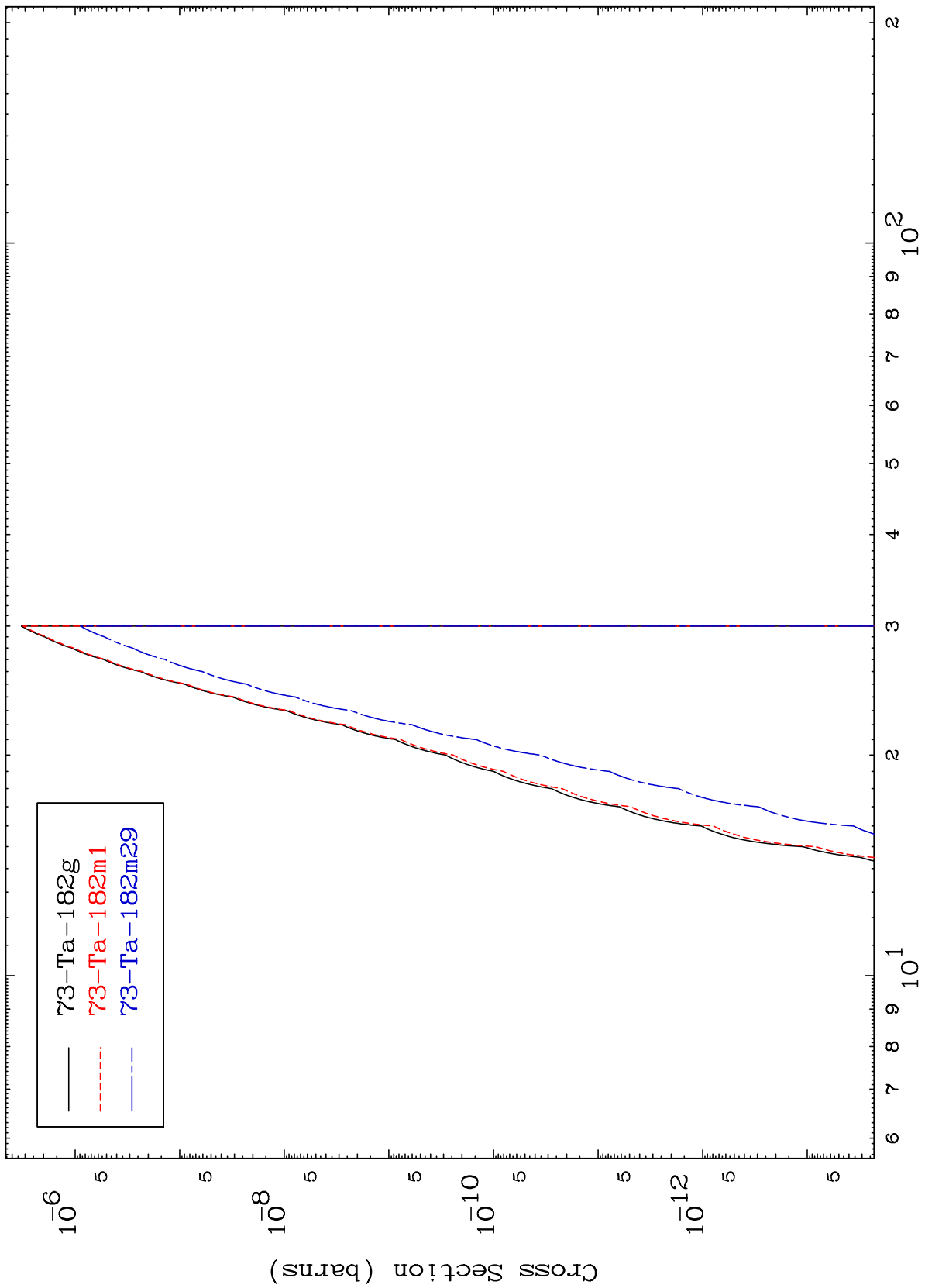
Radionuclide Production Cross Section



MAT 7519

75-Re-183

(n,2p)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

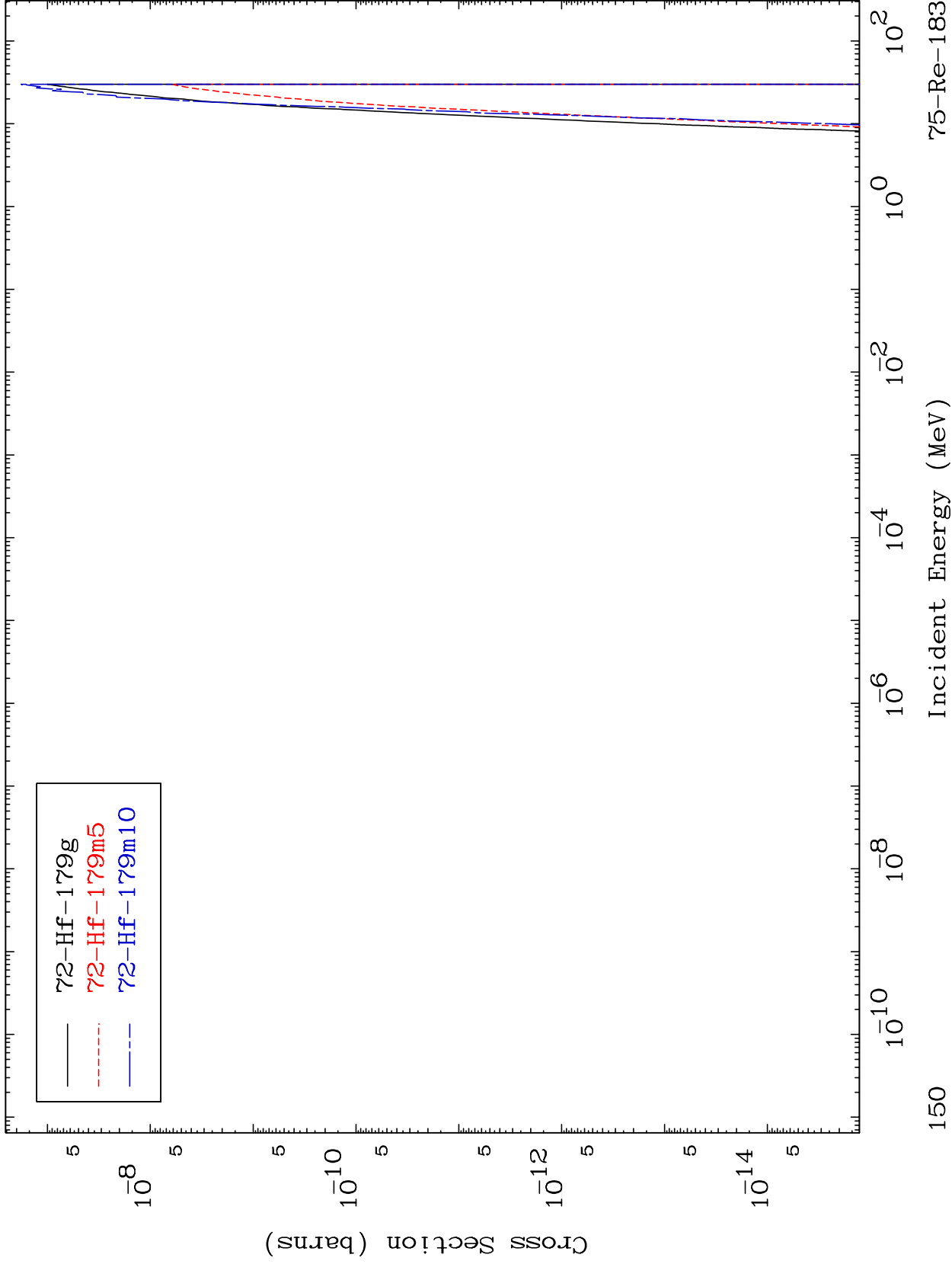
75-Re-183

MAT 7519

(n,p) α

⁷⁵Re-¹⁸³

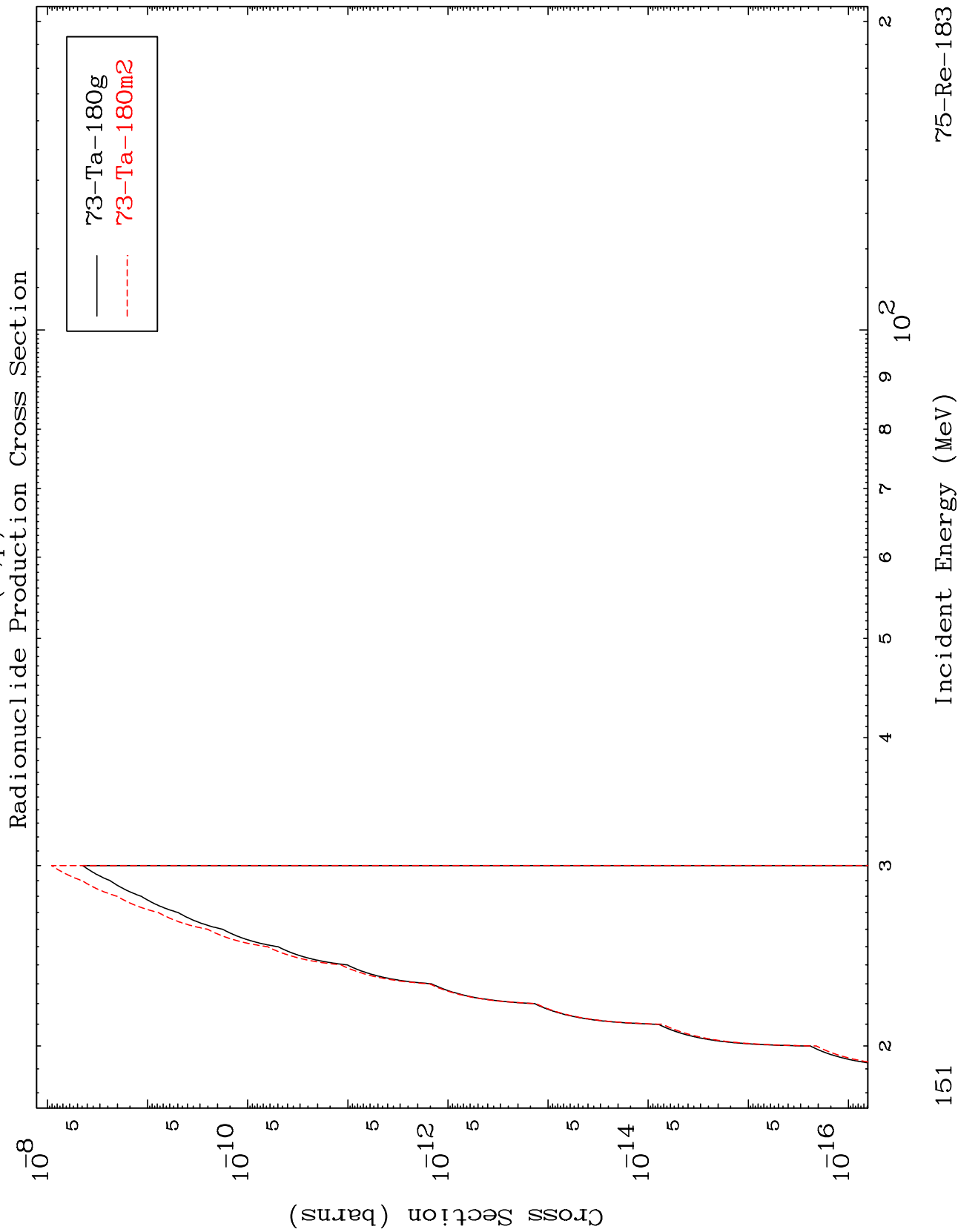
Radionuclide Production Cross Section



MAT 7519

(n,p) t

75-Re-183



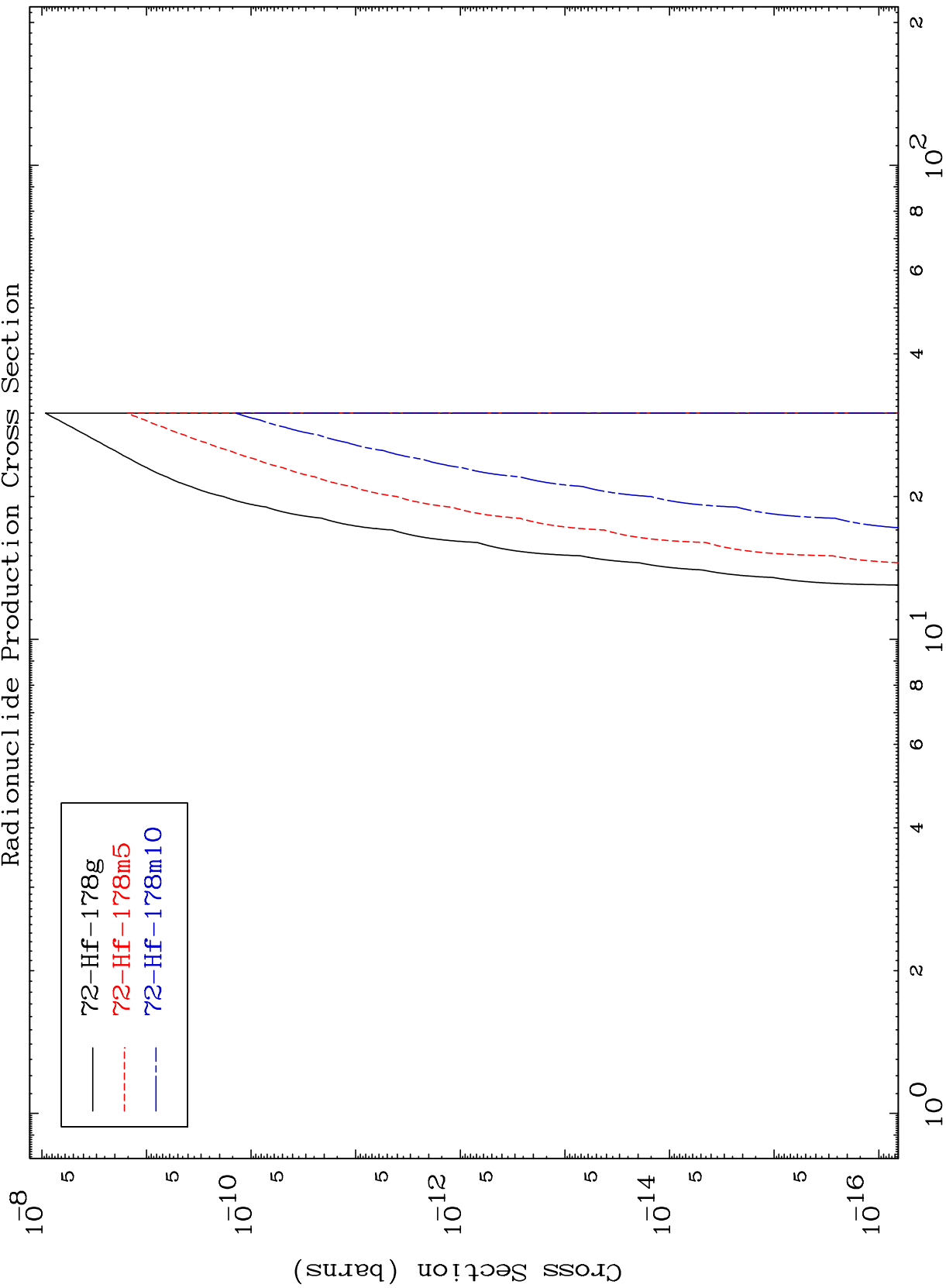
151

MAT 7519

(n,d) α

75-Re-183

Radionuclide Production Cross Section



152

Incident Energy (MeV)

75-Re-183