

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

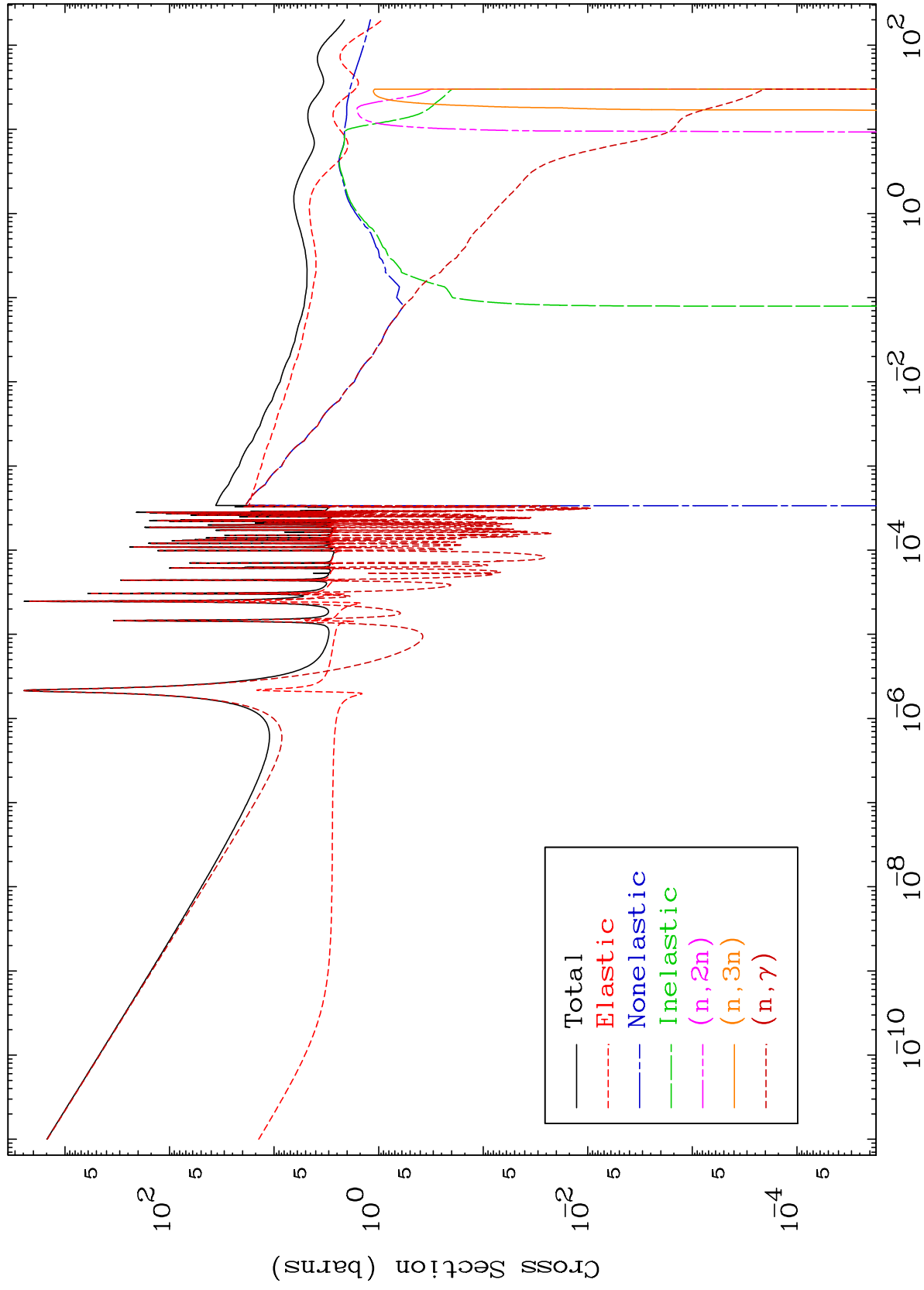
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5519

Neutron Major
293 Kelvin Cross Sections

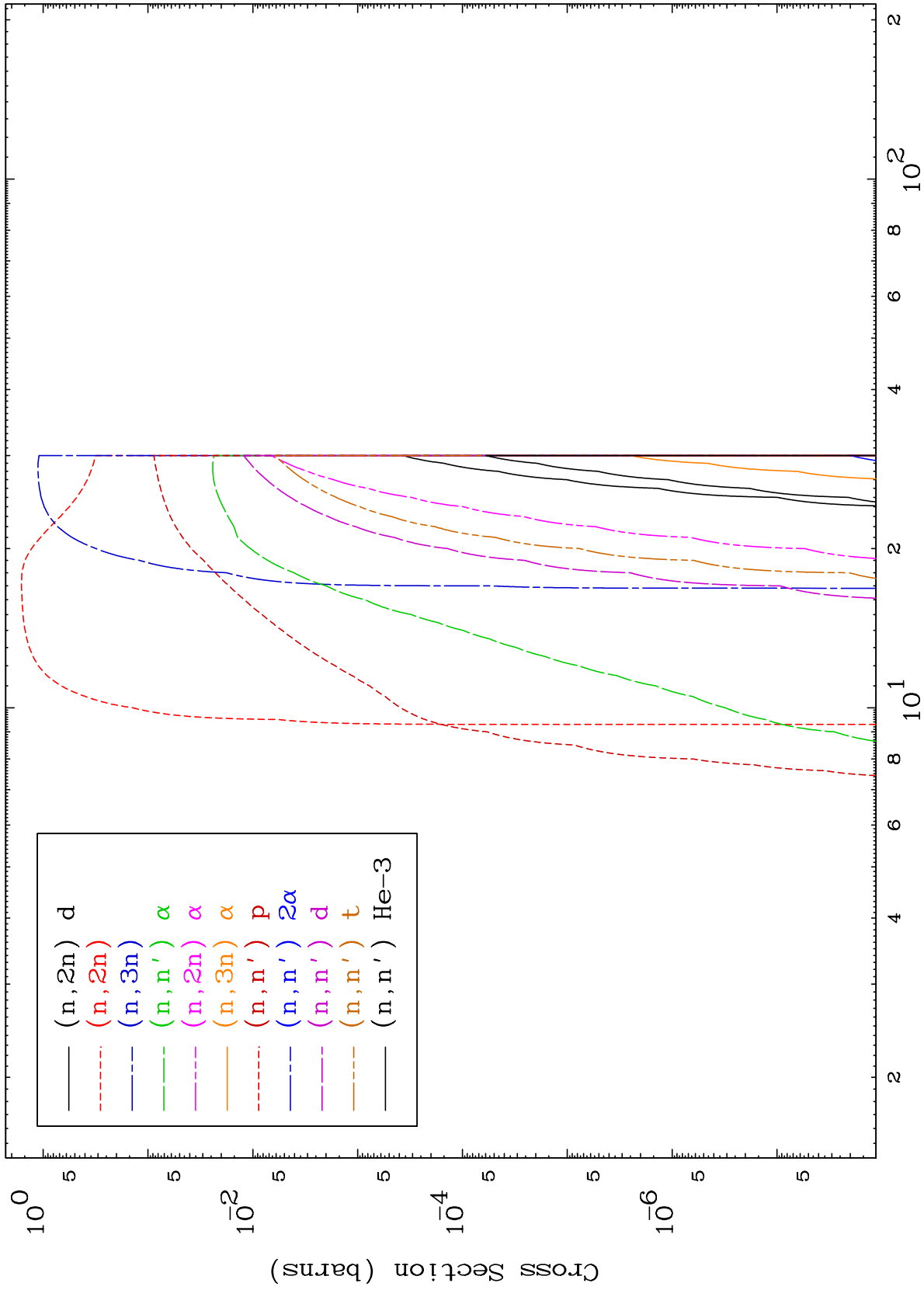
55-Cs-131



MAT 5519

Neutron Absorption
293 Kelvin Cross Sections

55-Cs-131



2

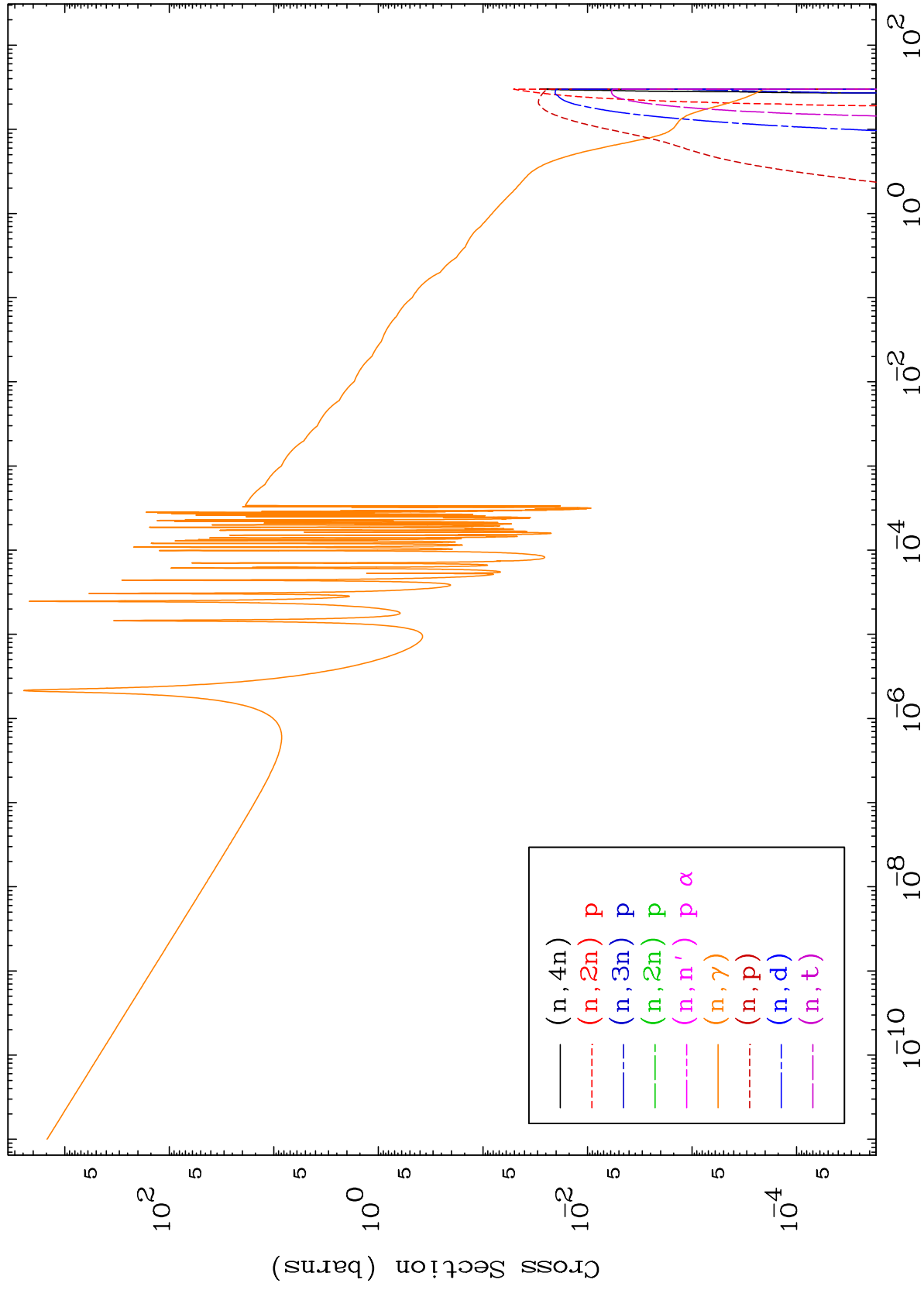
Incident Energy (MeV)

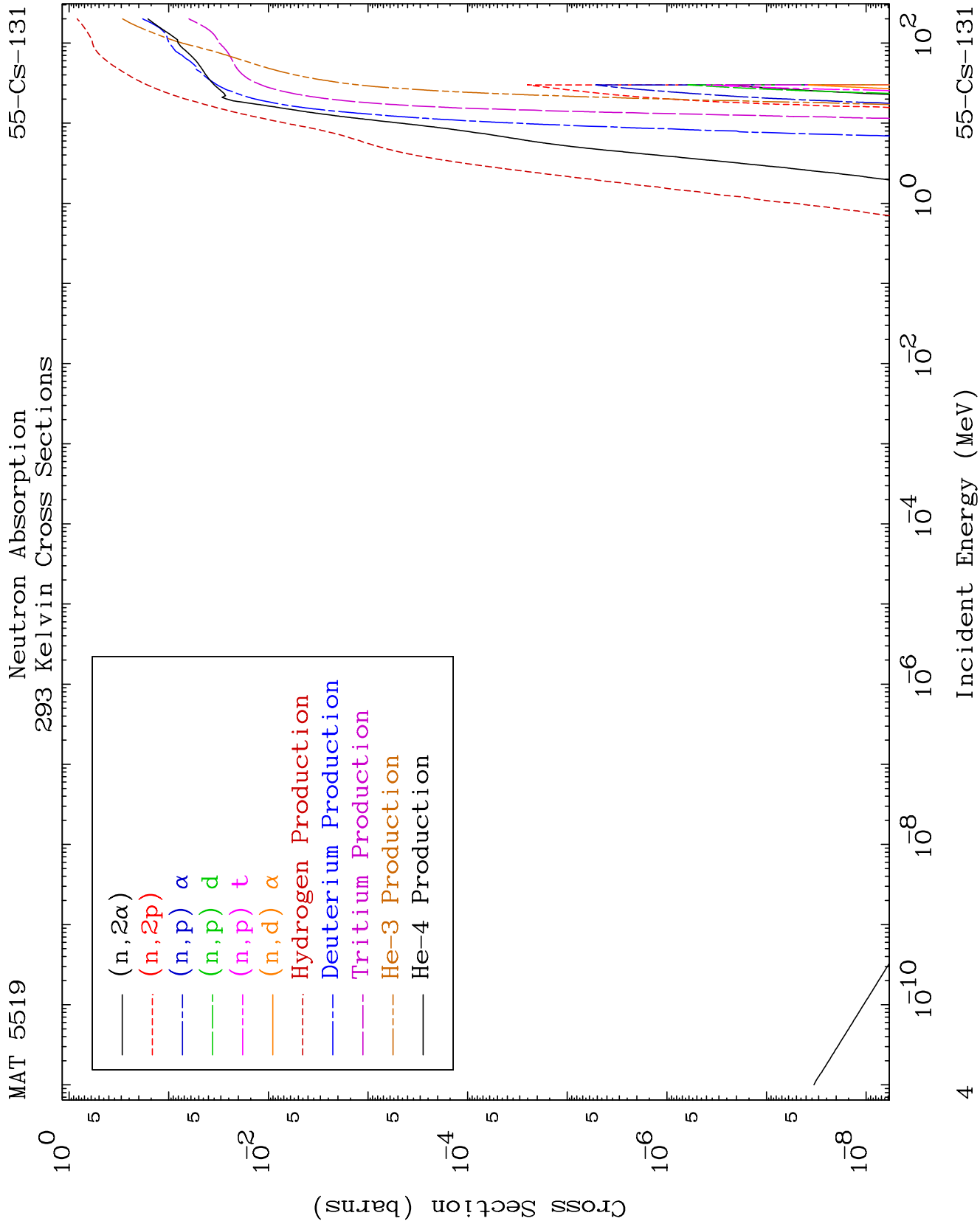
55-Cs-131

MAT 5519

Neutron Absorption
293 Kelvin Cross Sections

55-Cs-131

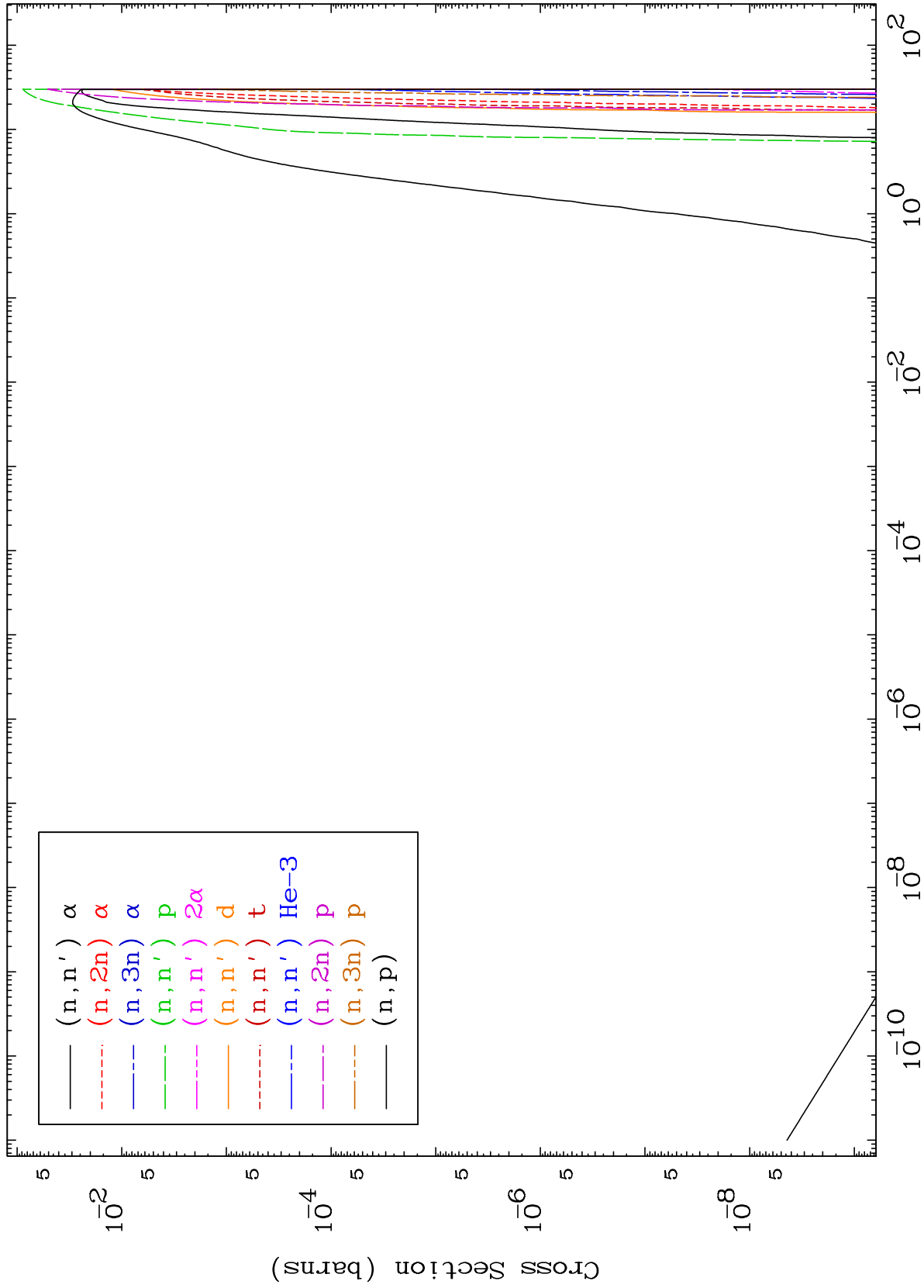




MAT 5519

Charged Particle
293 Kelvin Cross Sections

55-Cs-131



5

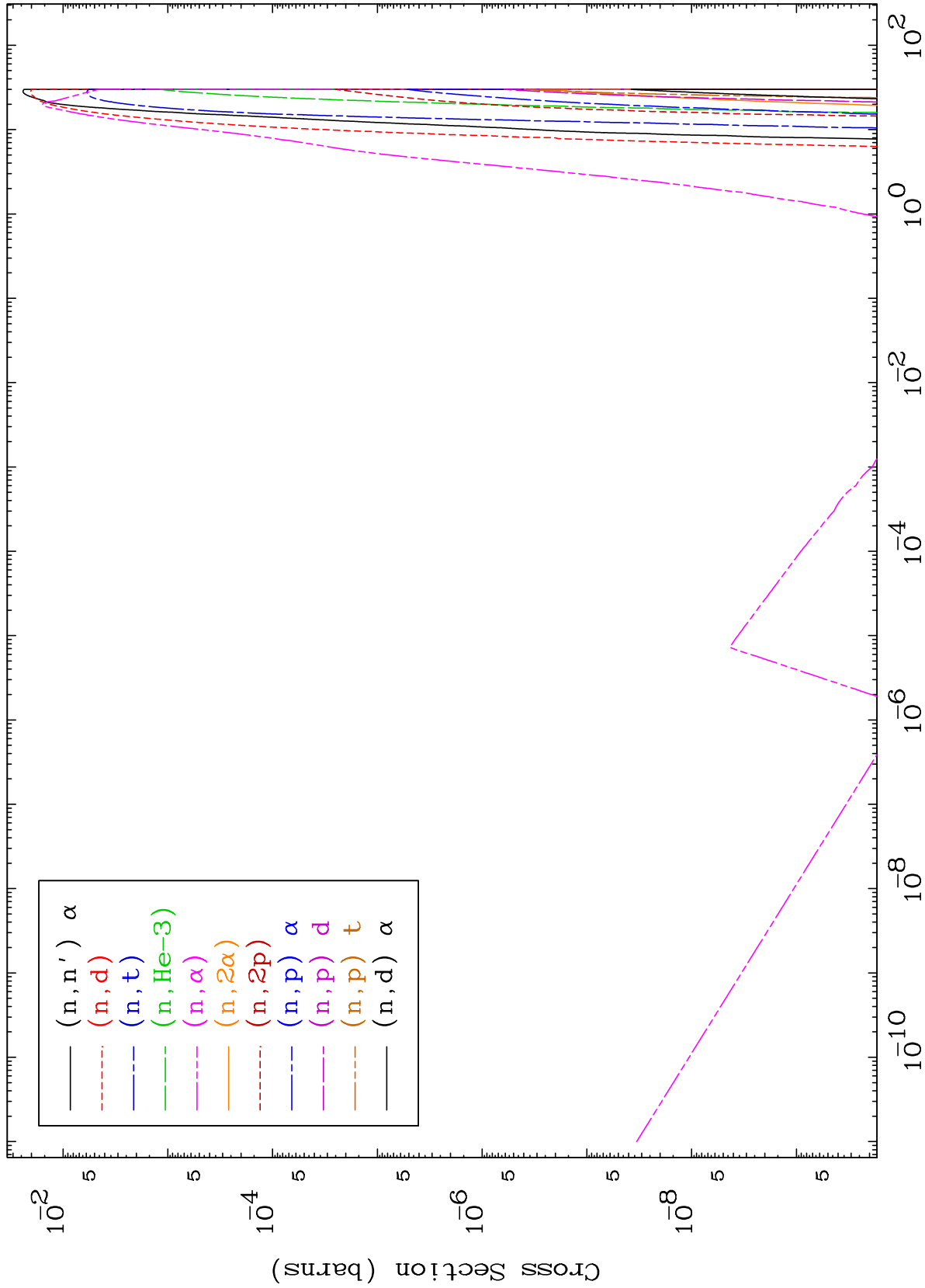
Incident Energy (MeV)

55-Cs-131

MAT 5519

Charged Particle
293 Kelvin Cross Sections

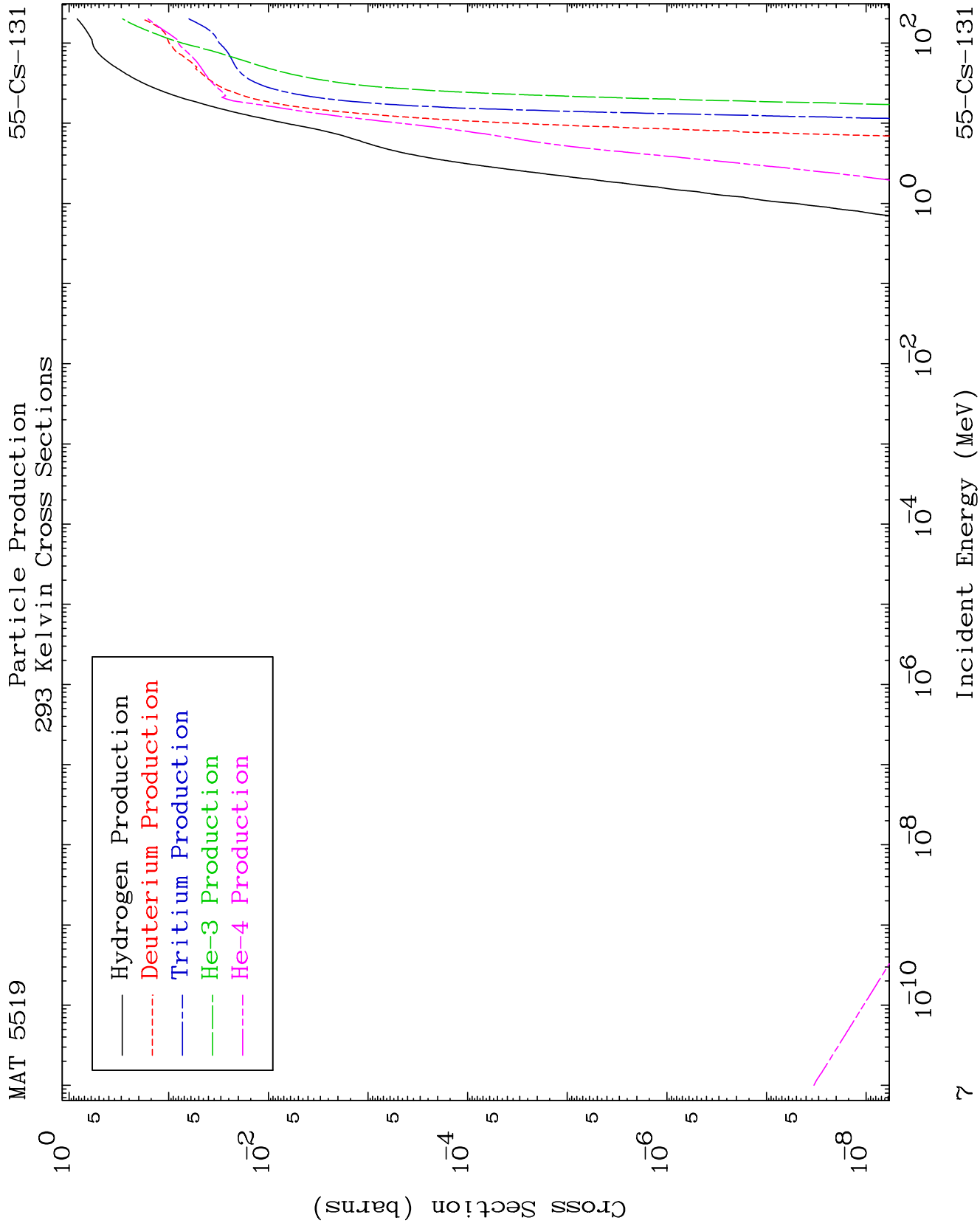
55-Cs-131

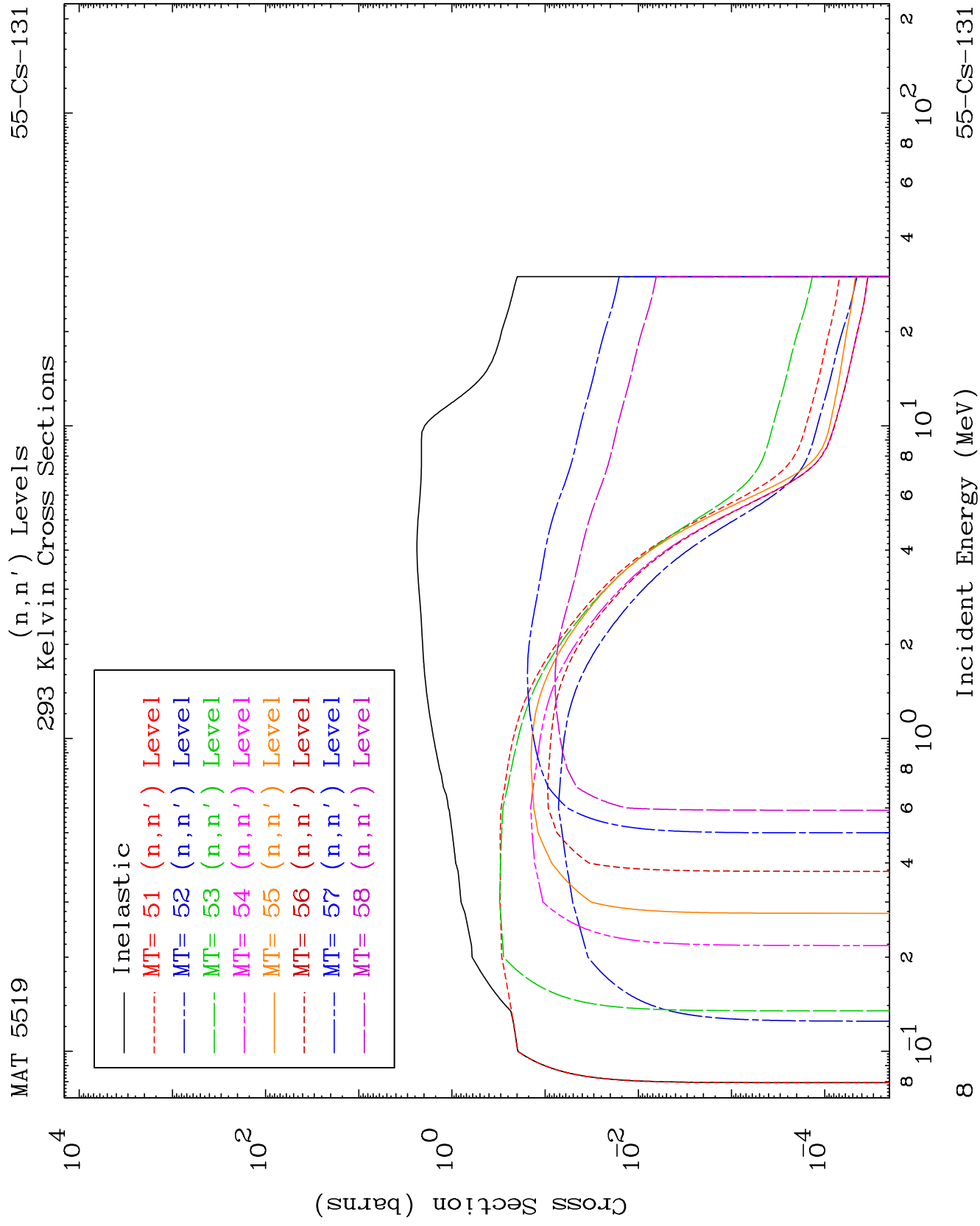


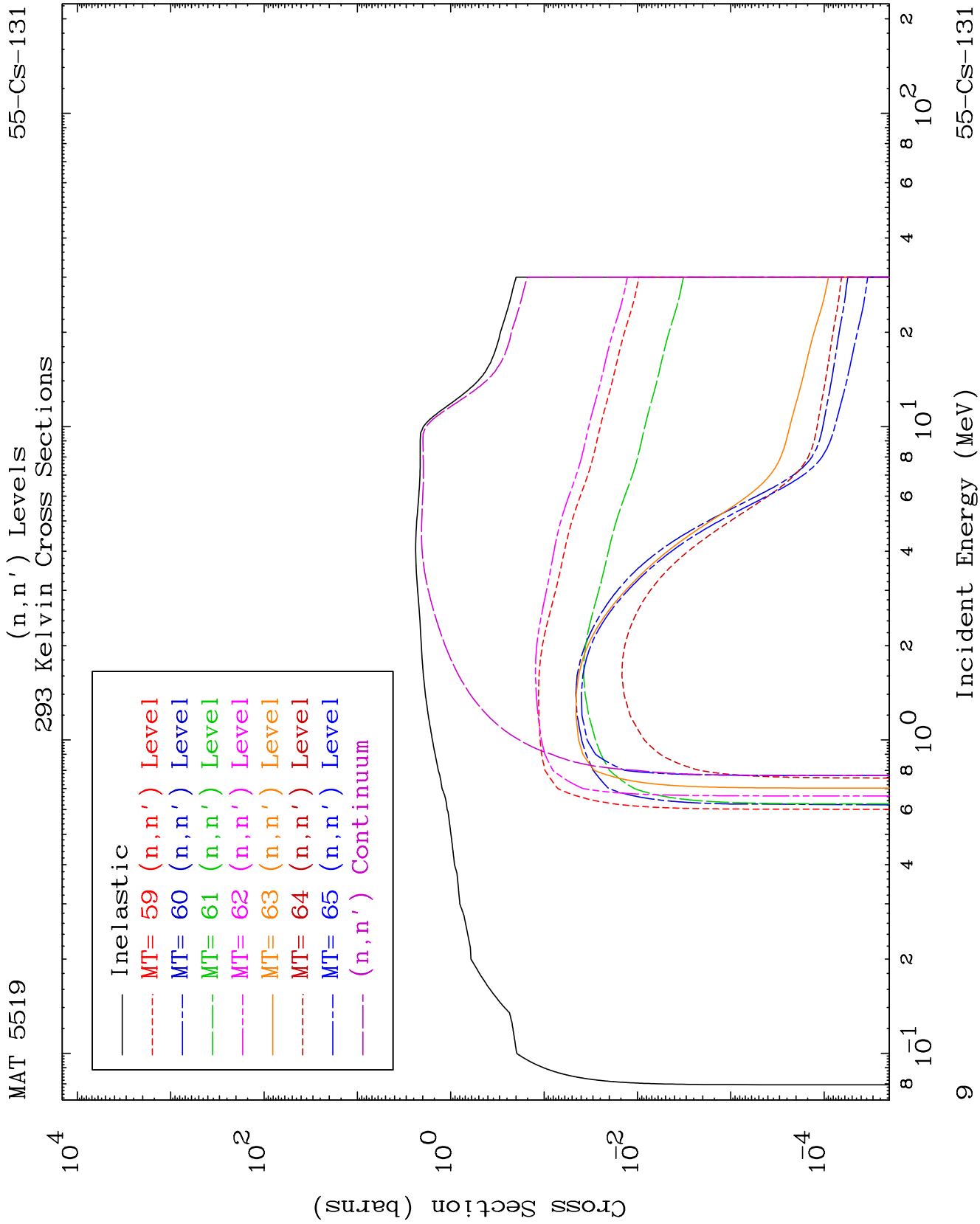
6

Incident Energy (MeV)

55-Cs-131



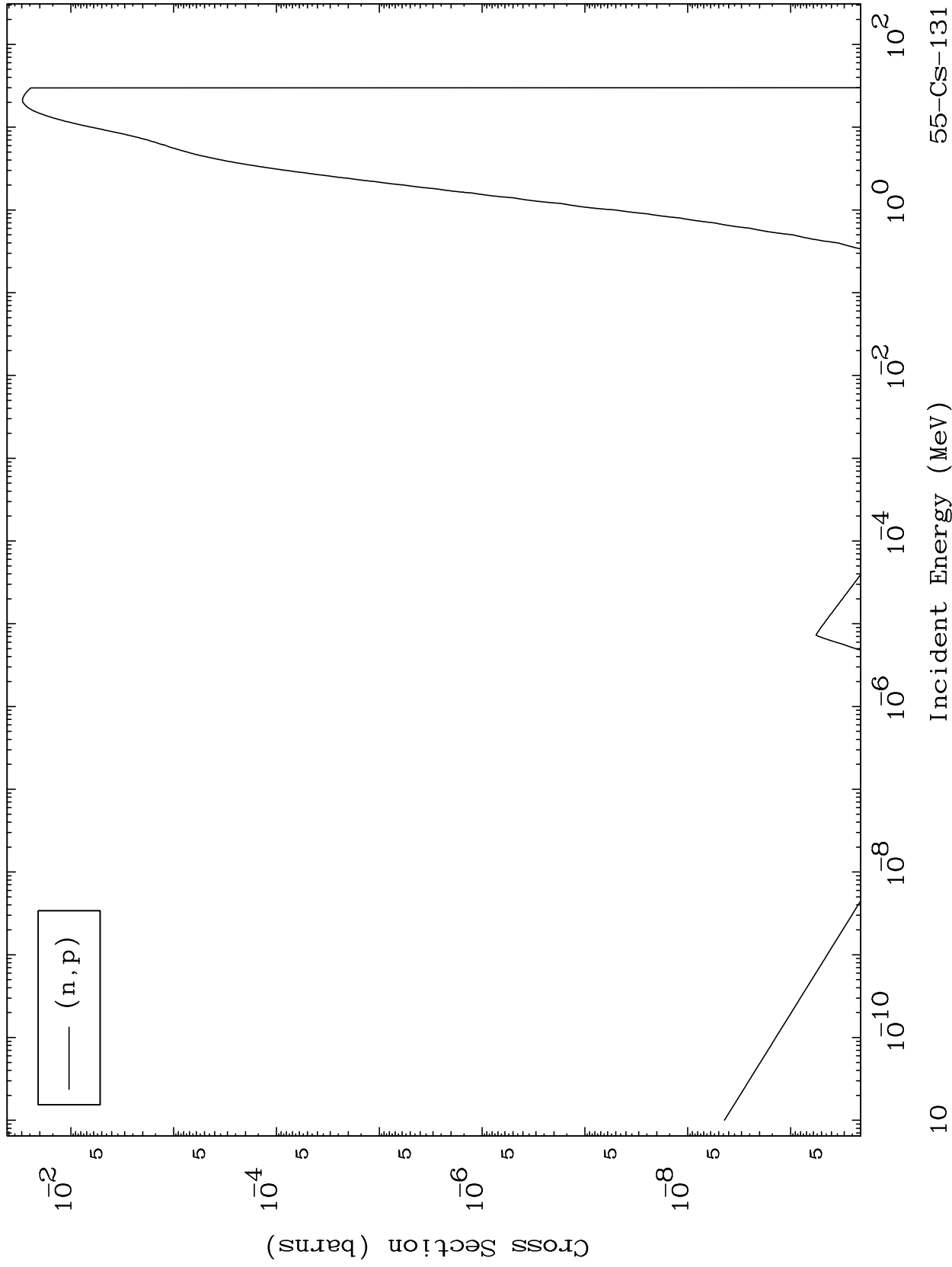




MAT 5519

(n,p) Levels
293 Kelvin Cross Sections

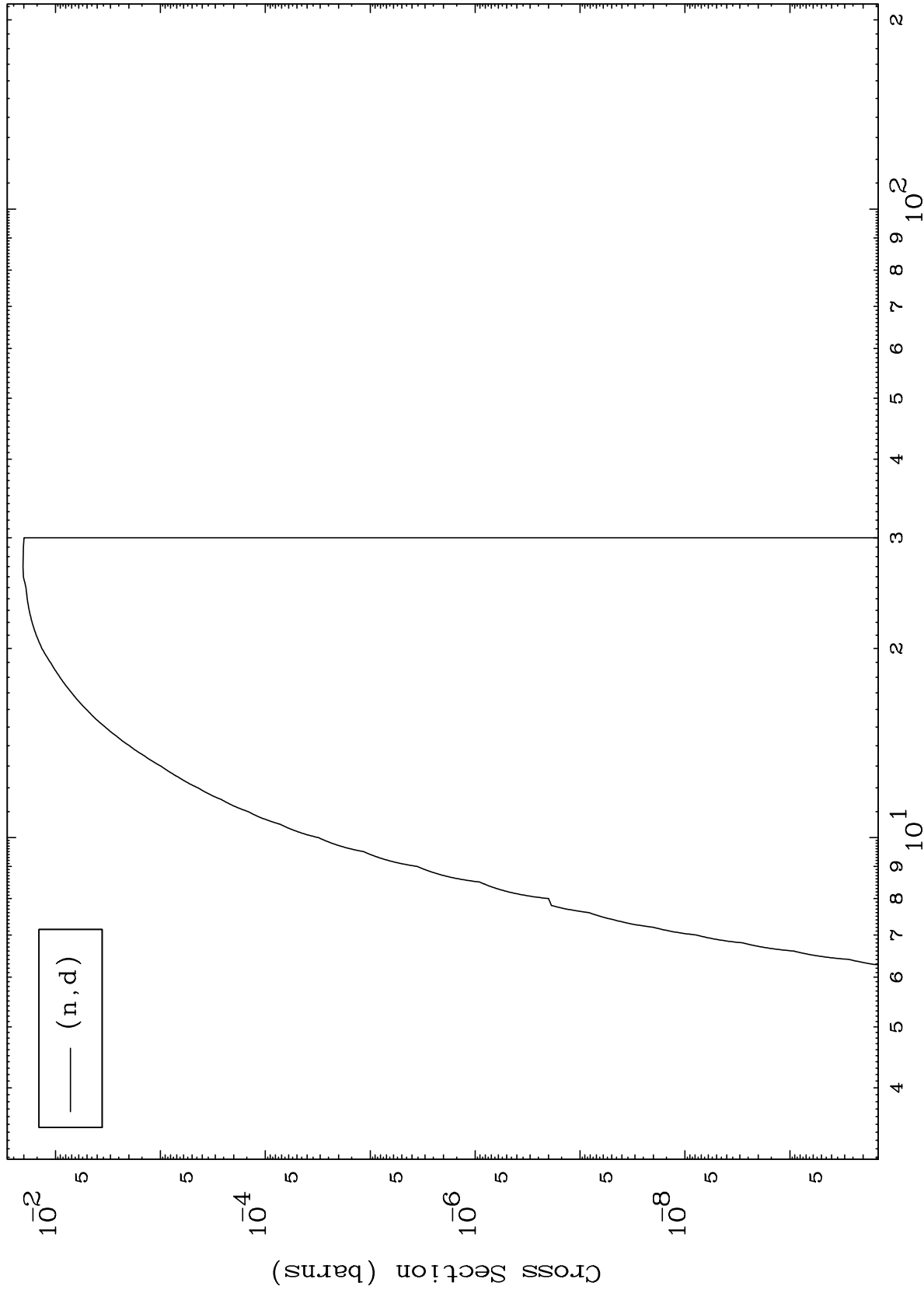
55-Cs-131



MAT 5519

55-Cs-131

(n,d) Levels
293 Kelvin Cross Sections



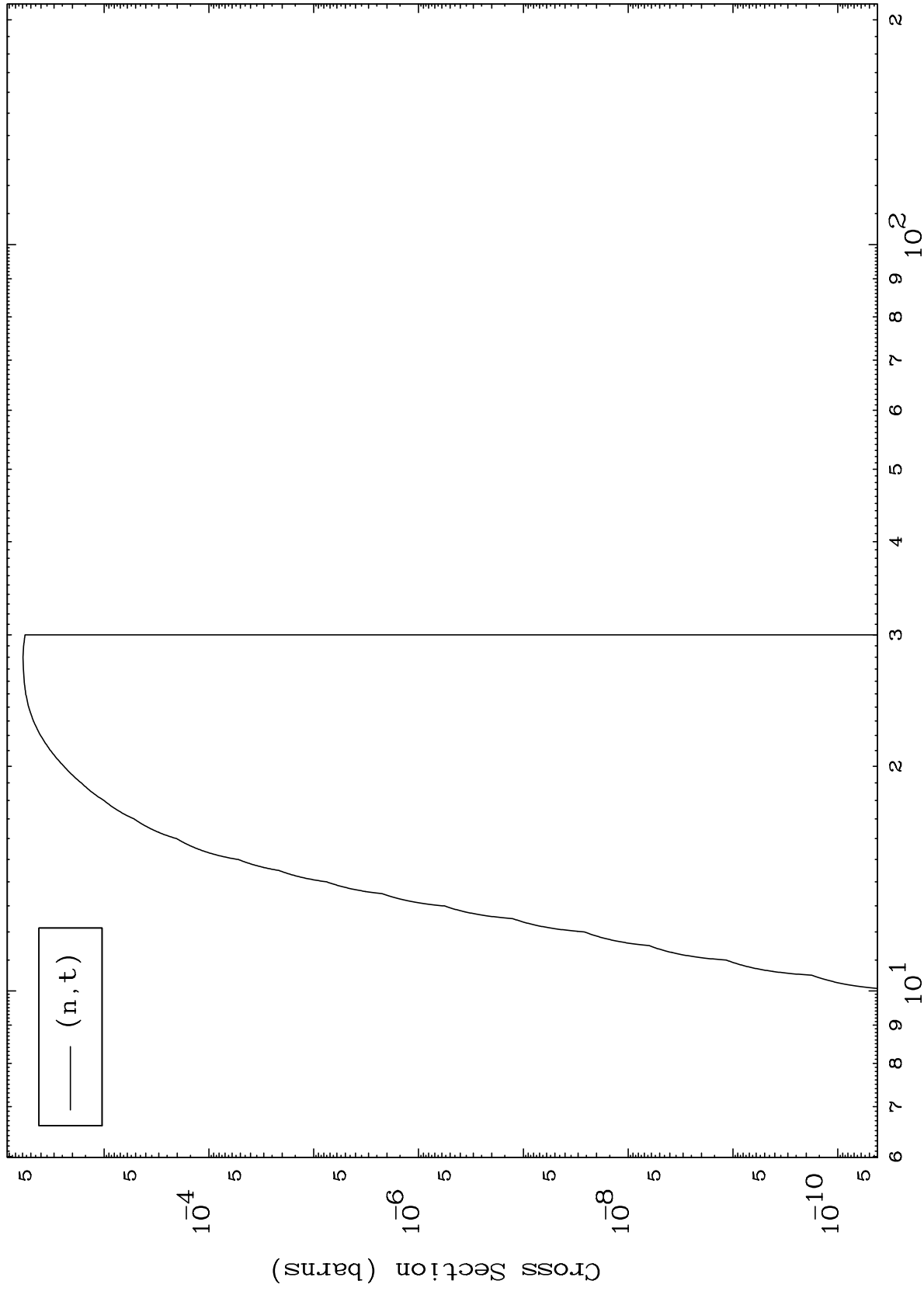
11

55-Cs-131

MAT 5519

55-Cs-131

(n,t) Levels
293 Kelvin Cross Sections



12

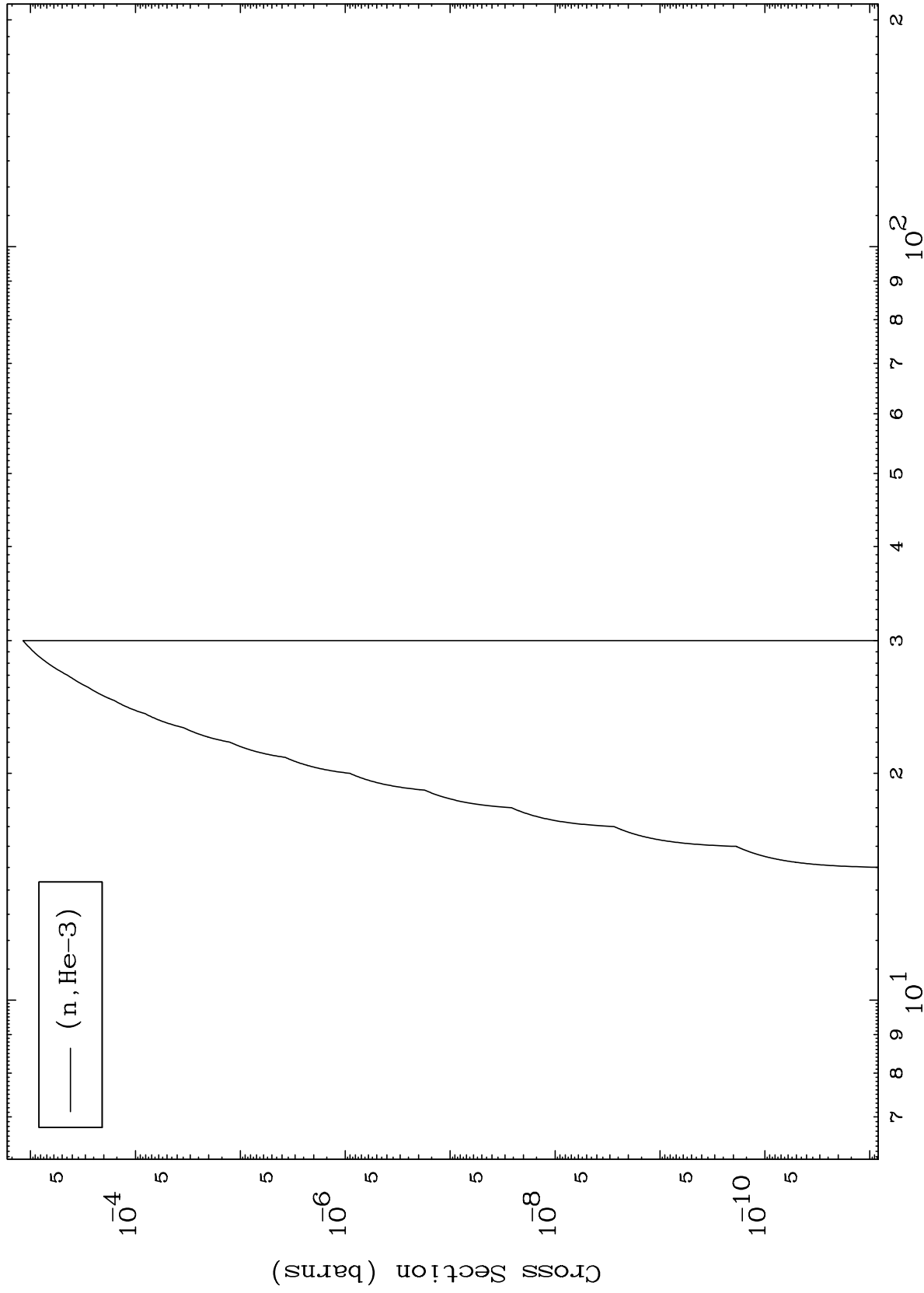
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,He3) Levels
293 Kelvin Cross Sections



13

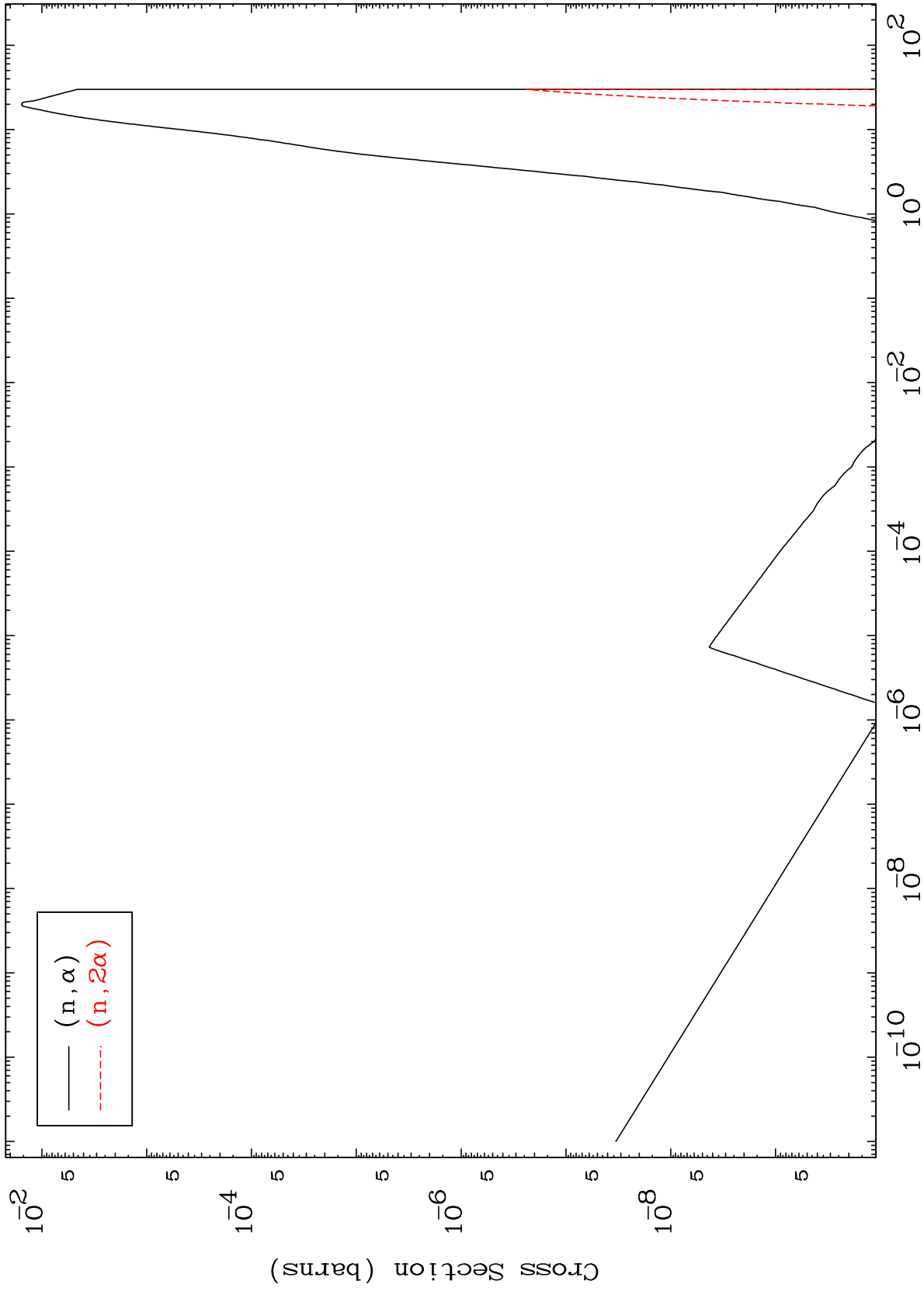
Incident Energy (MeV)

55-Cs-131

MAT 5519

(n, α) Levels
293 Kelvin Cross Sections

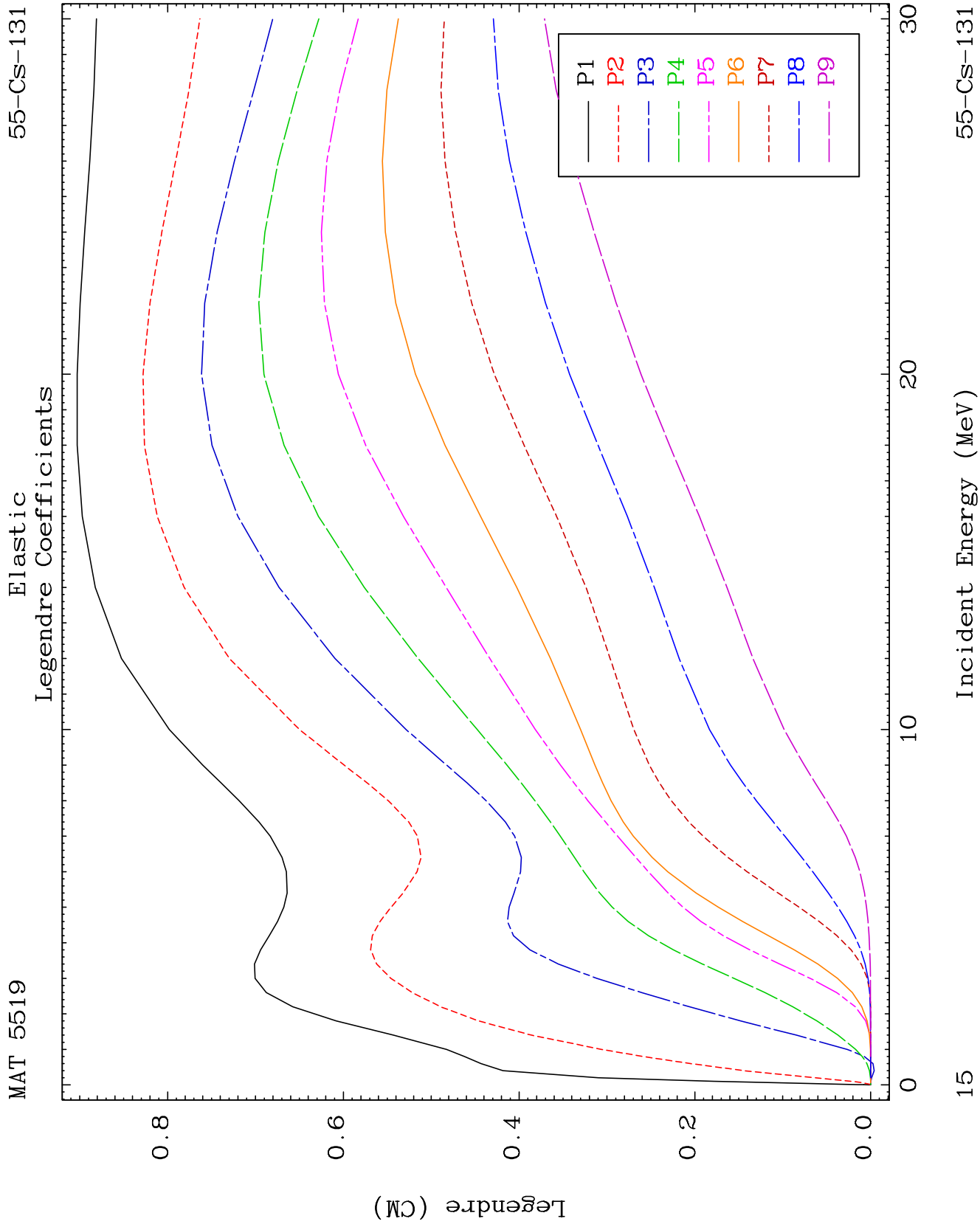
55-Cs-131

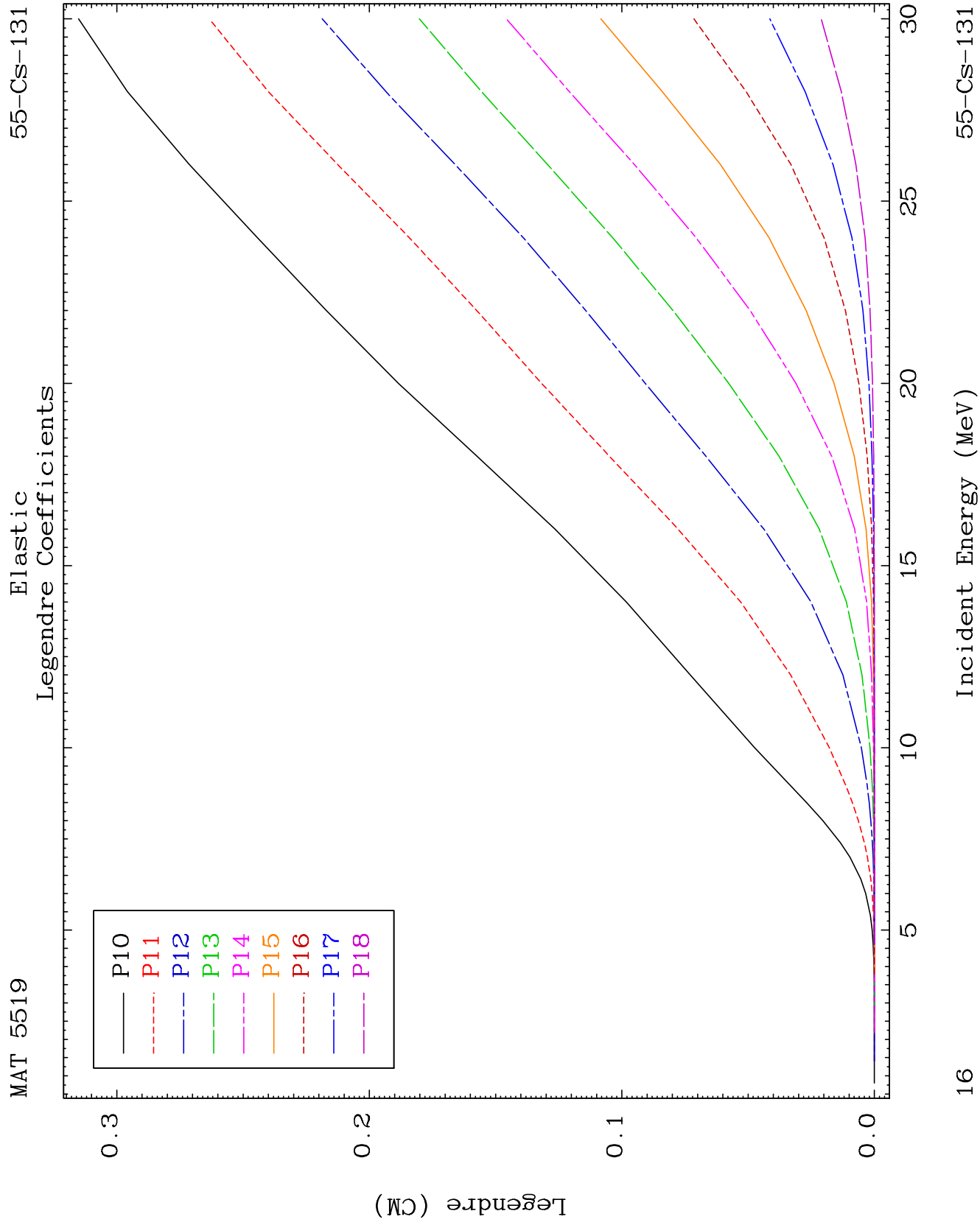


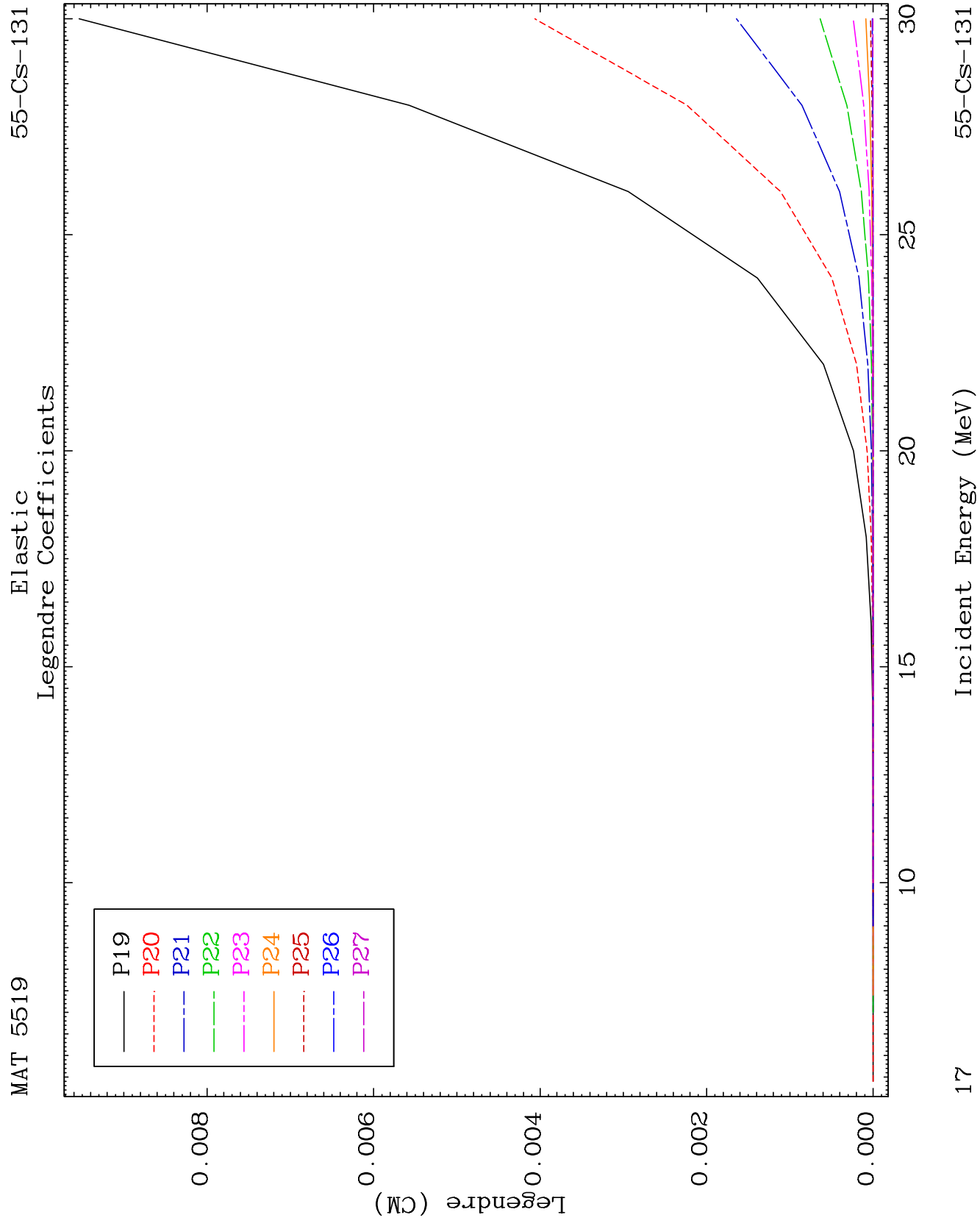
14

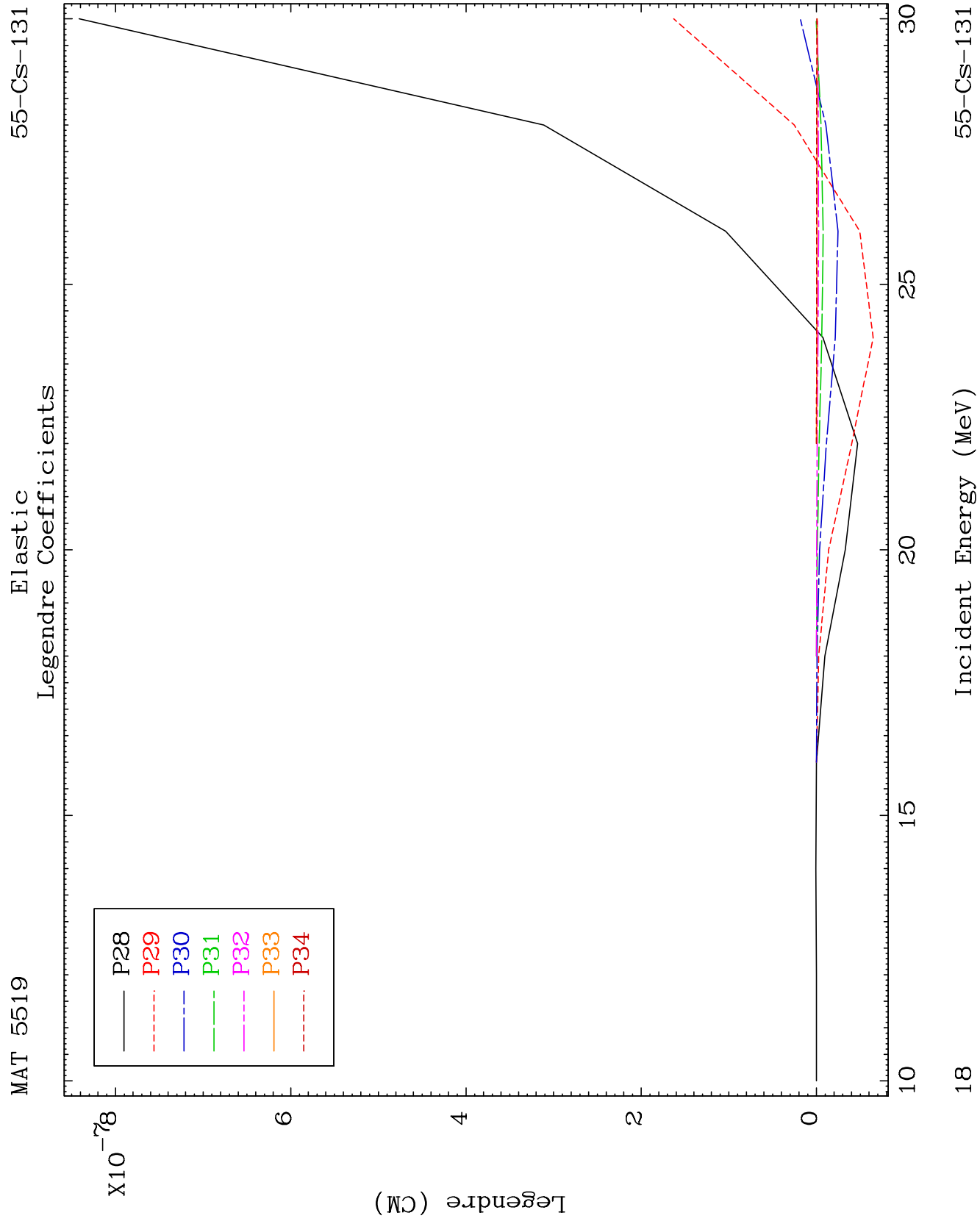
Incident Energy (MeV)

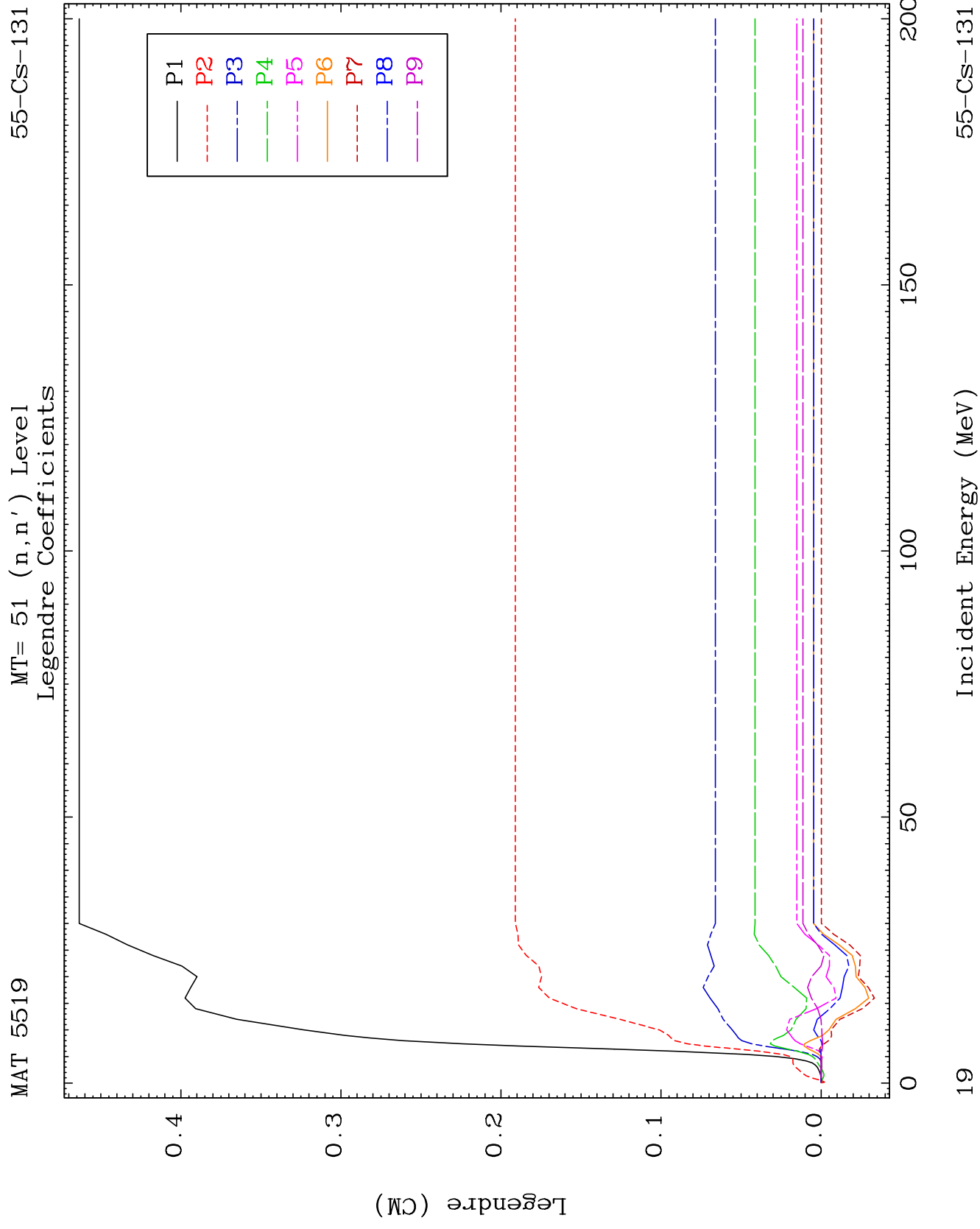
55-Cs-131

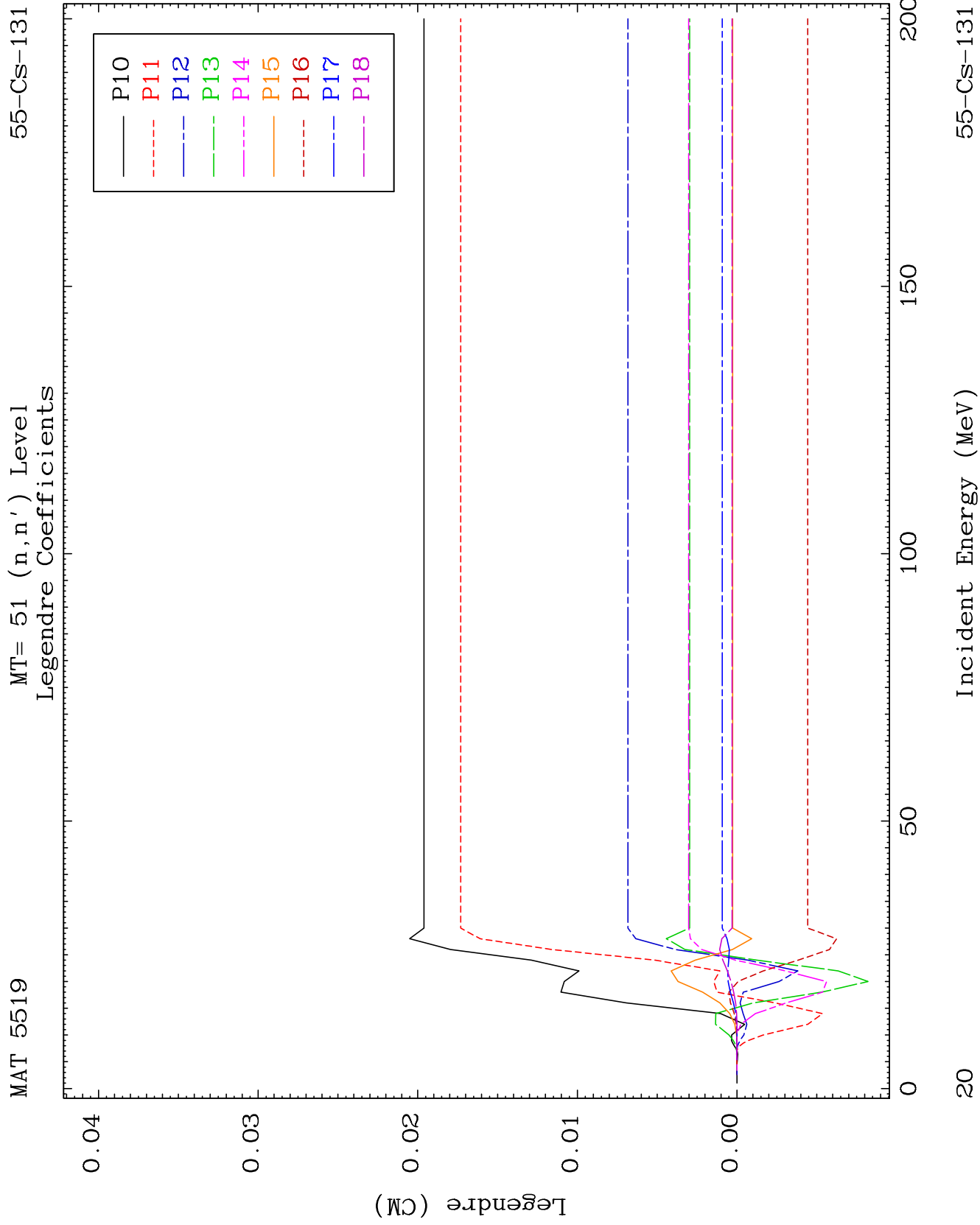


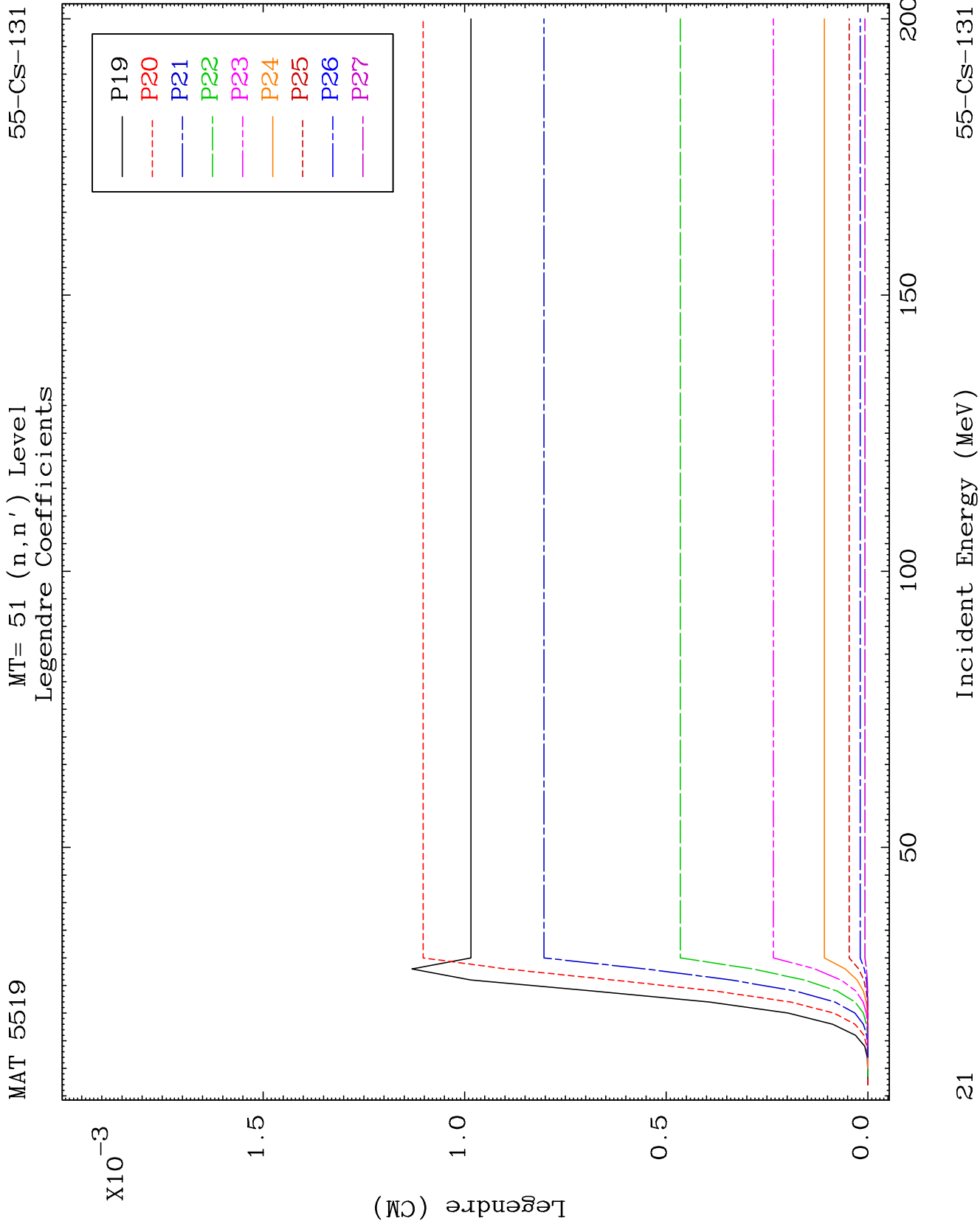


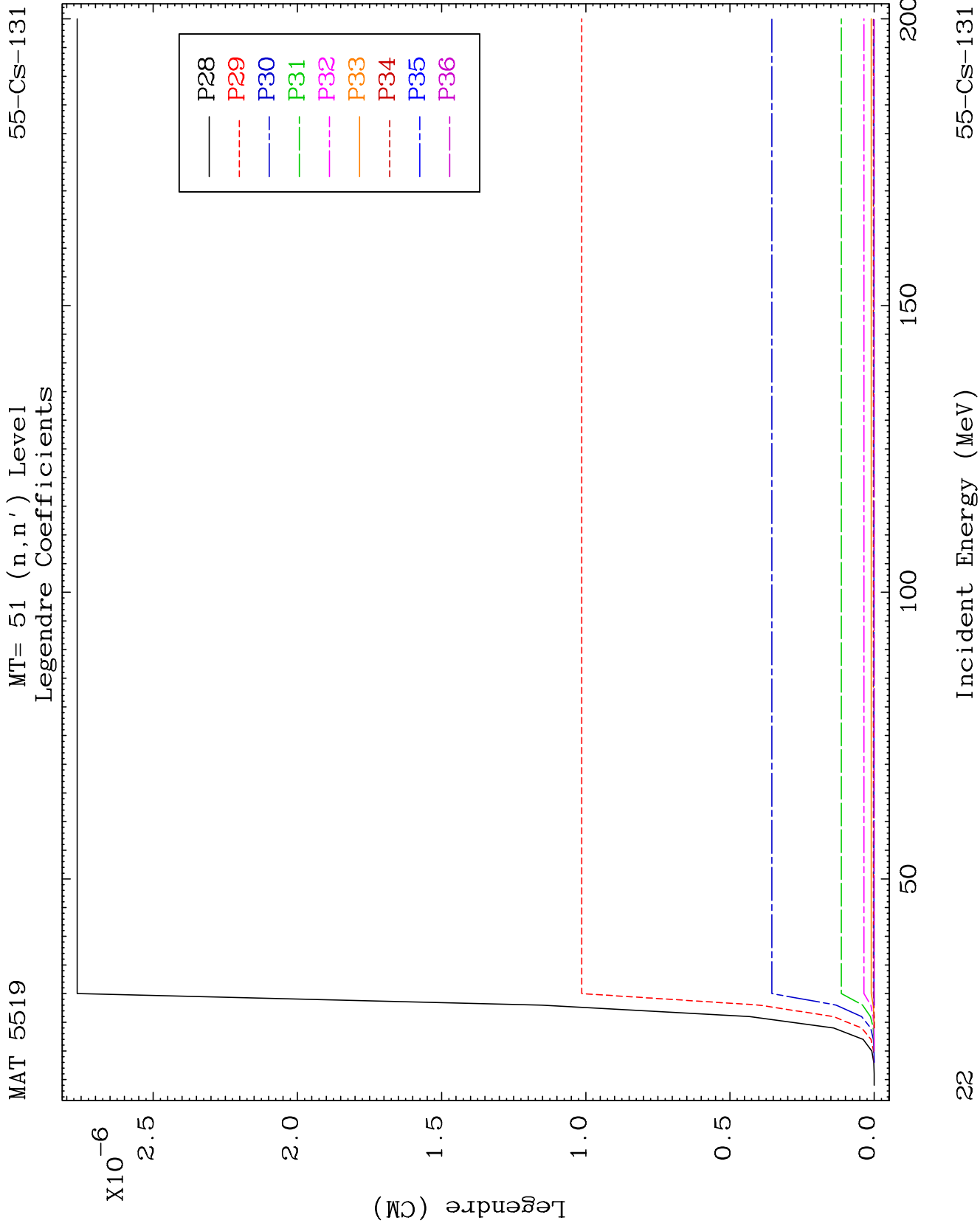


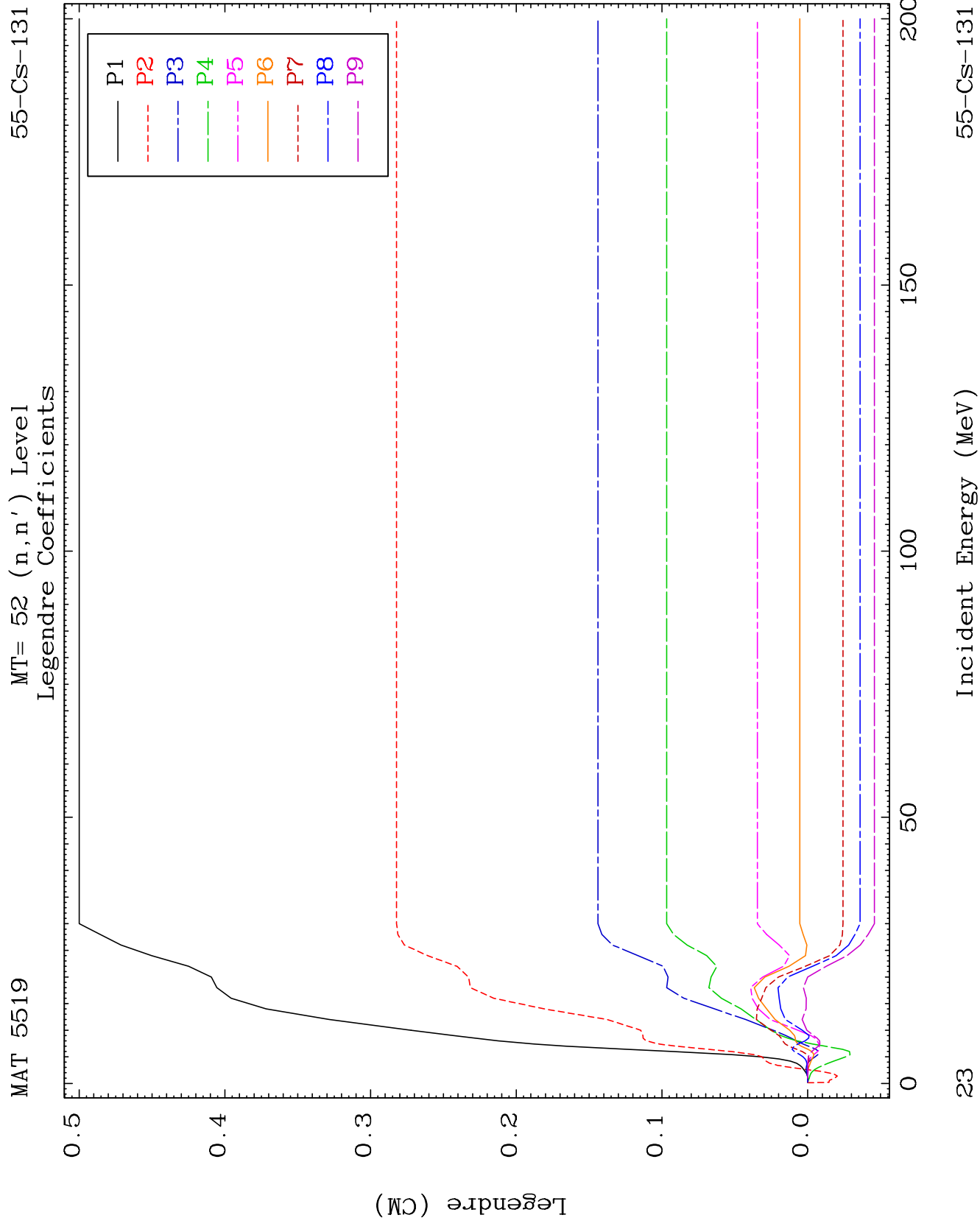








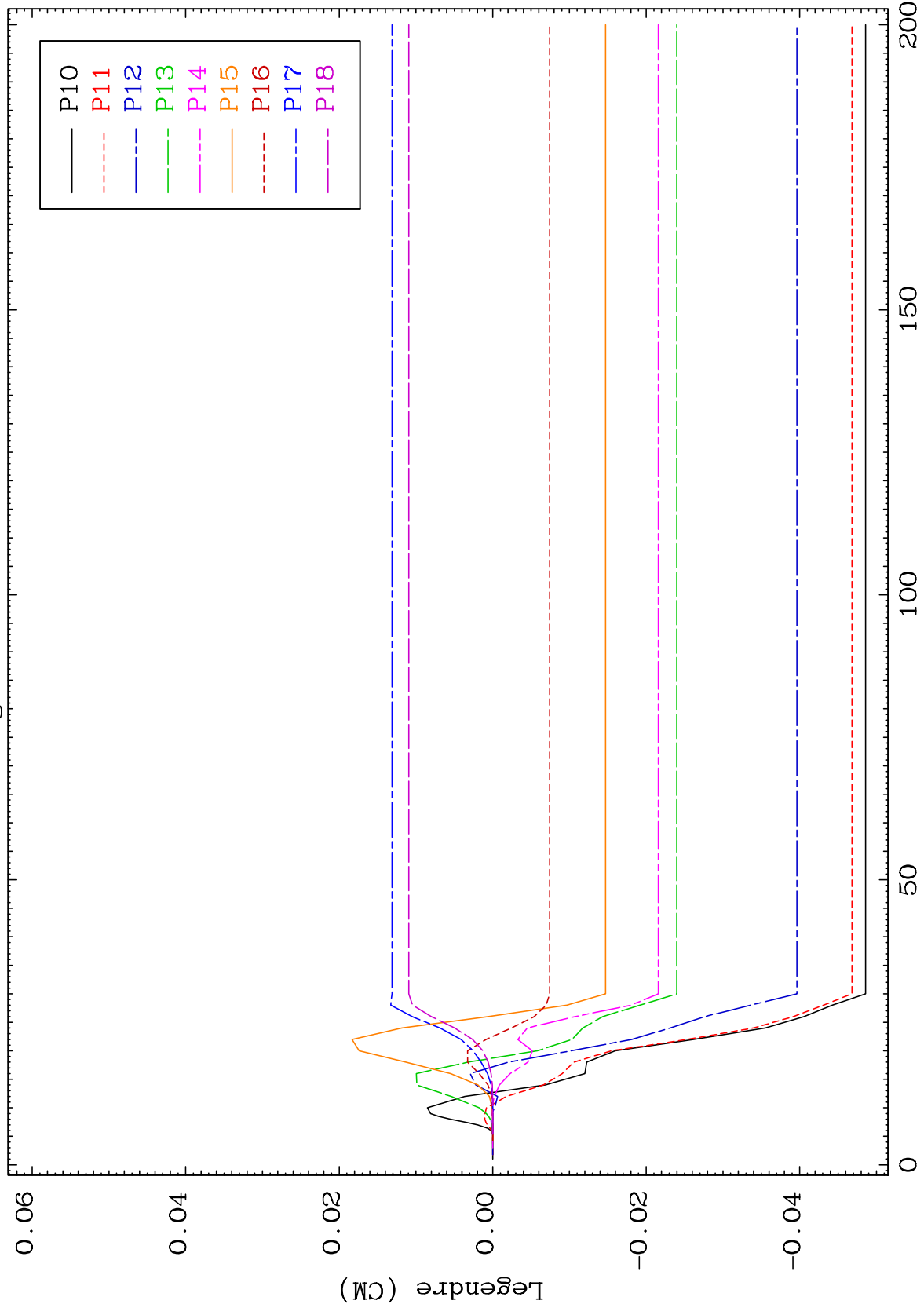




MAT 5519

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

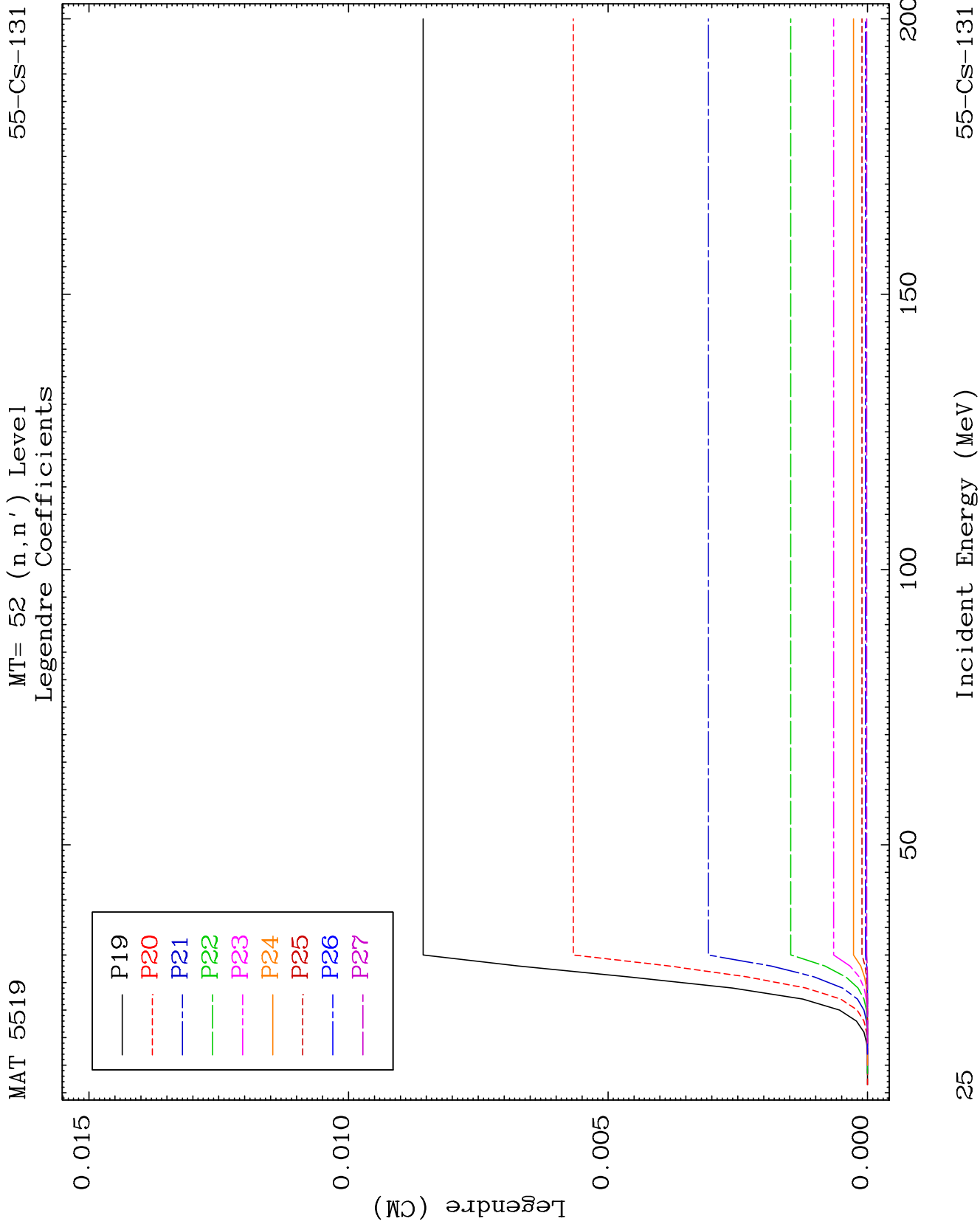
55-CS-131

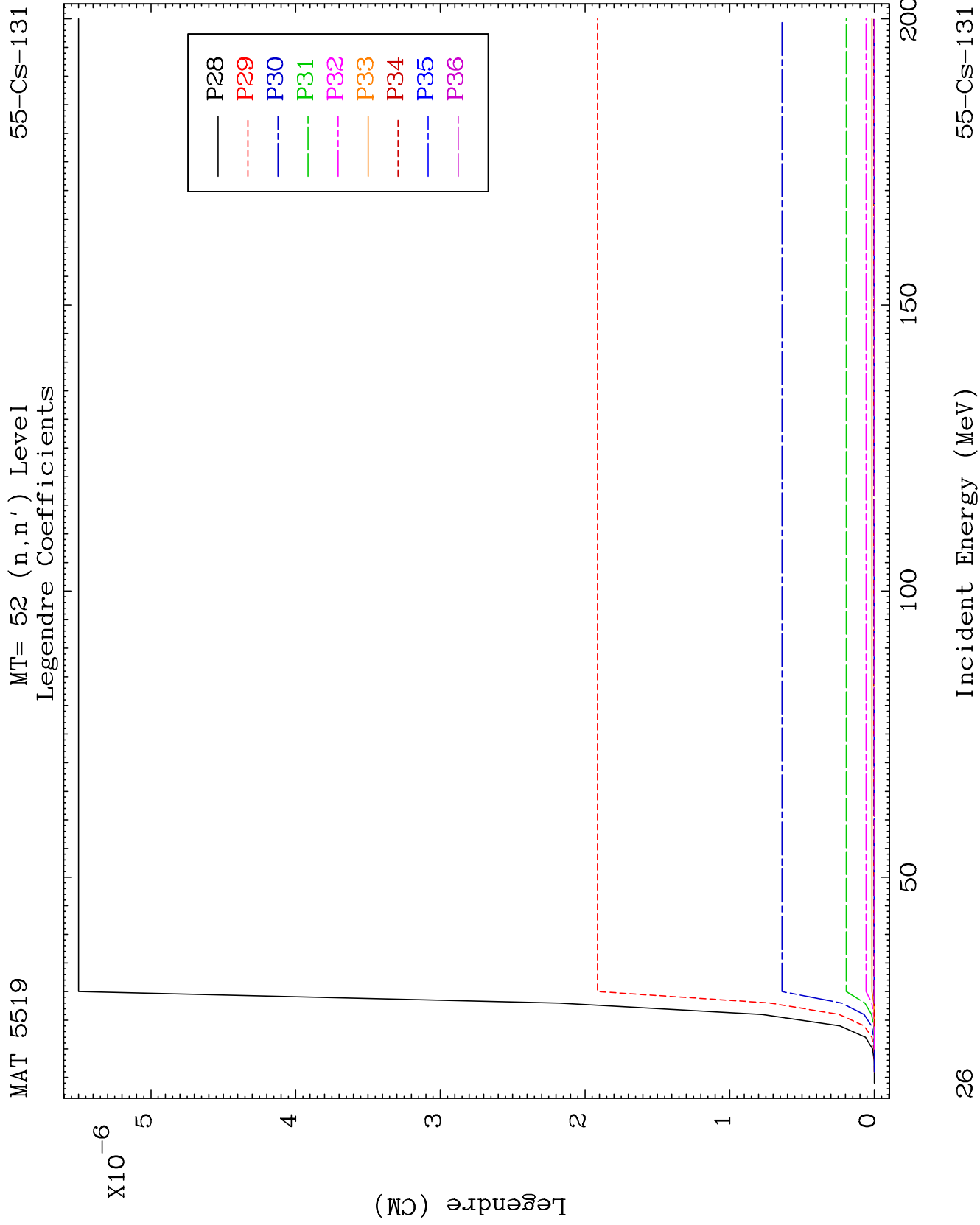


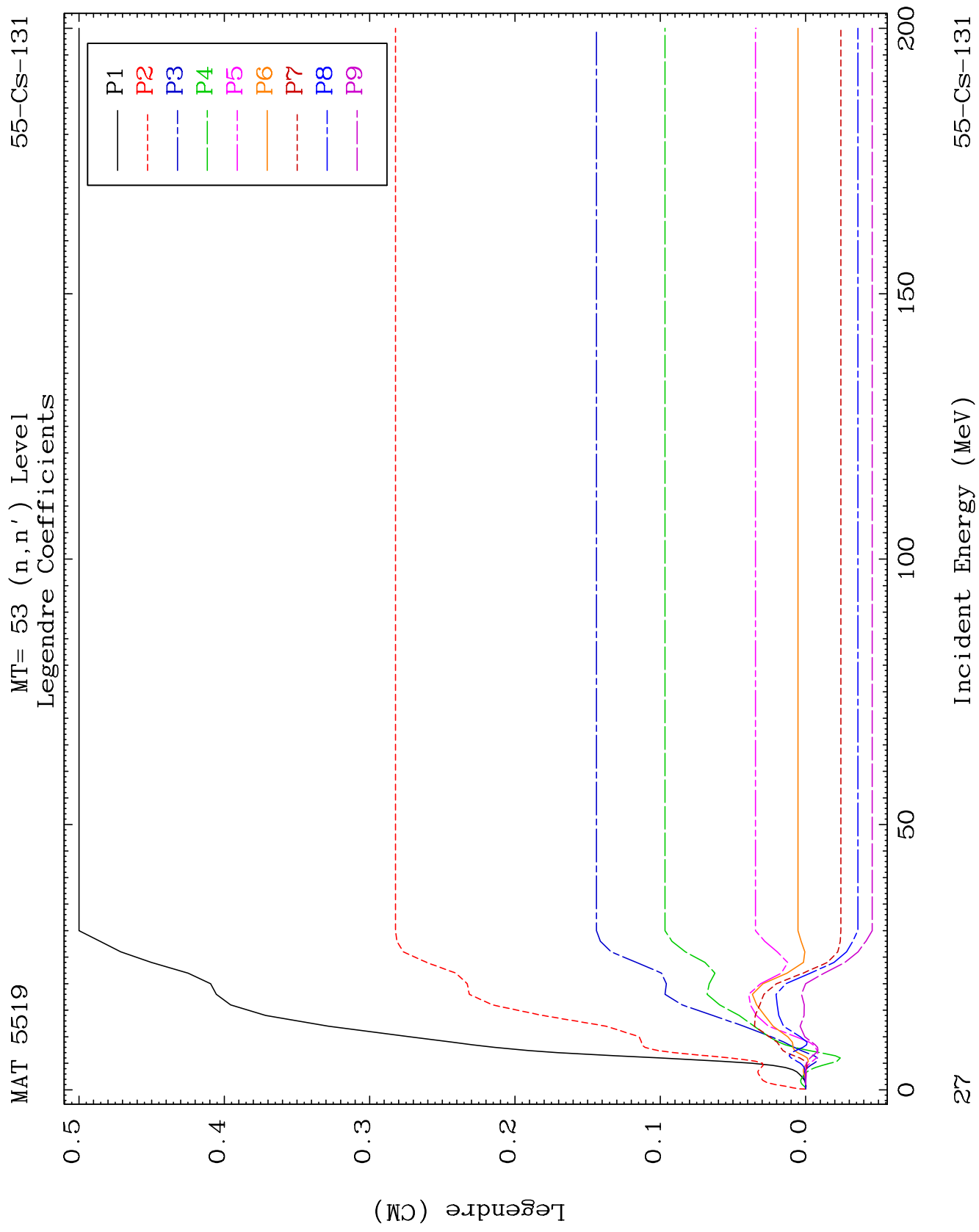
24

Incident Energy (MeV)

55-CS-131



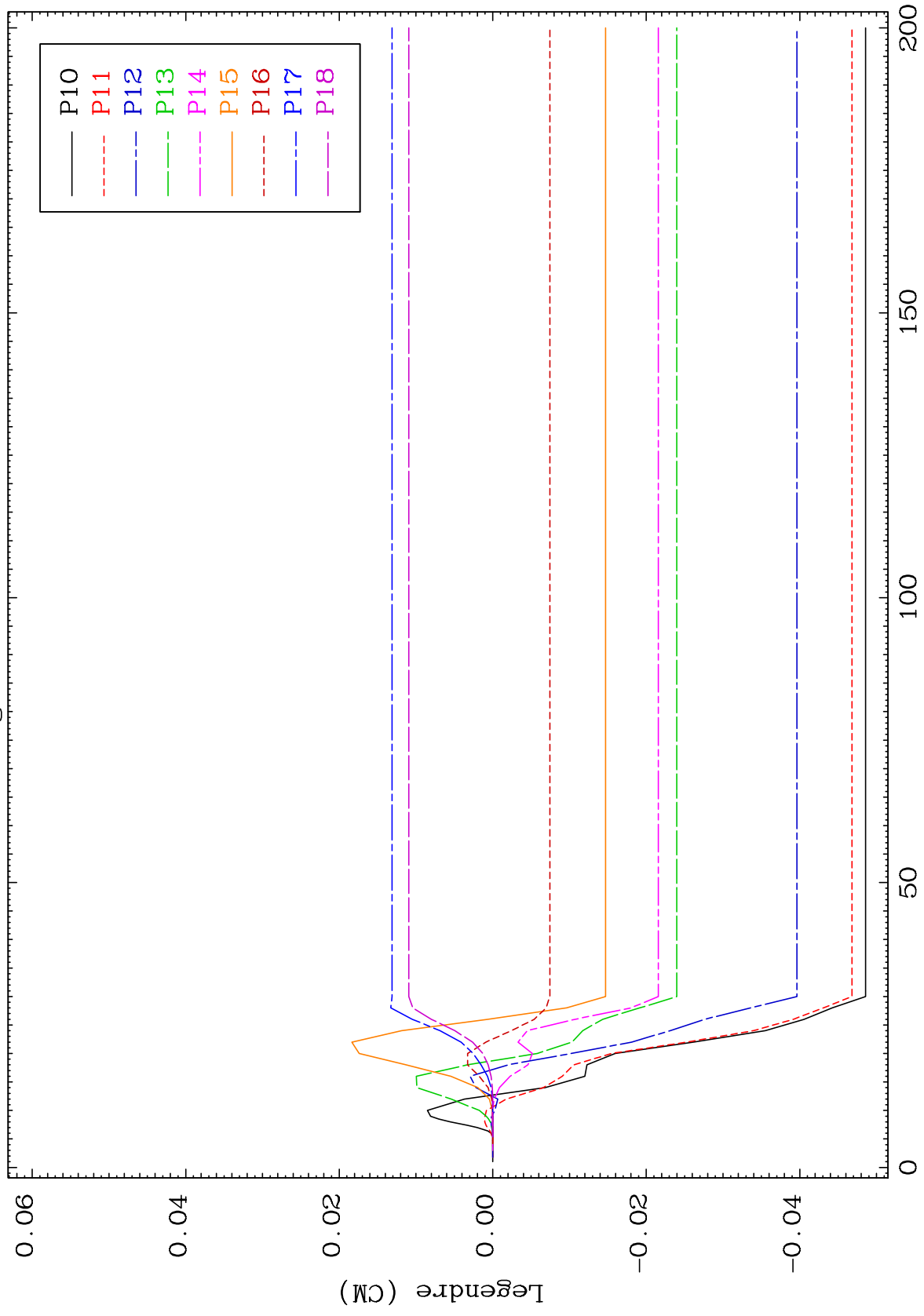




MAT 5519

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

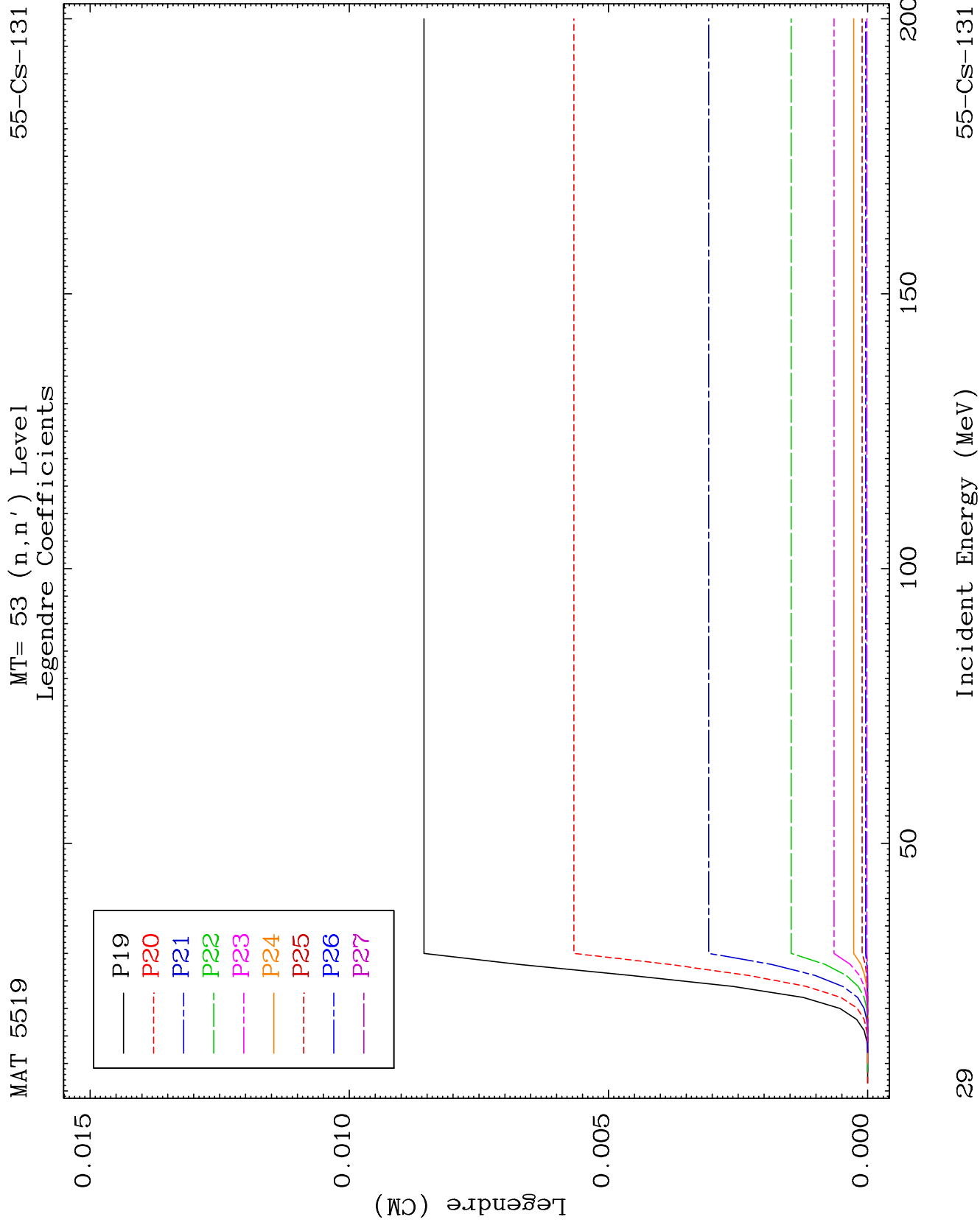
55-CS-131



28

Incident Energy (MeV)

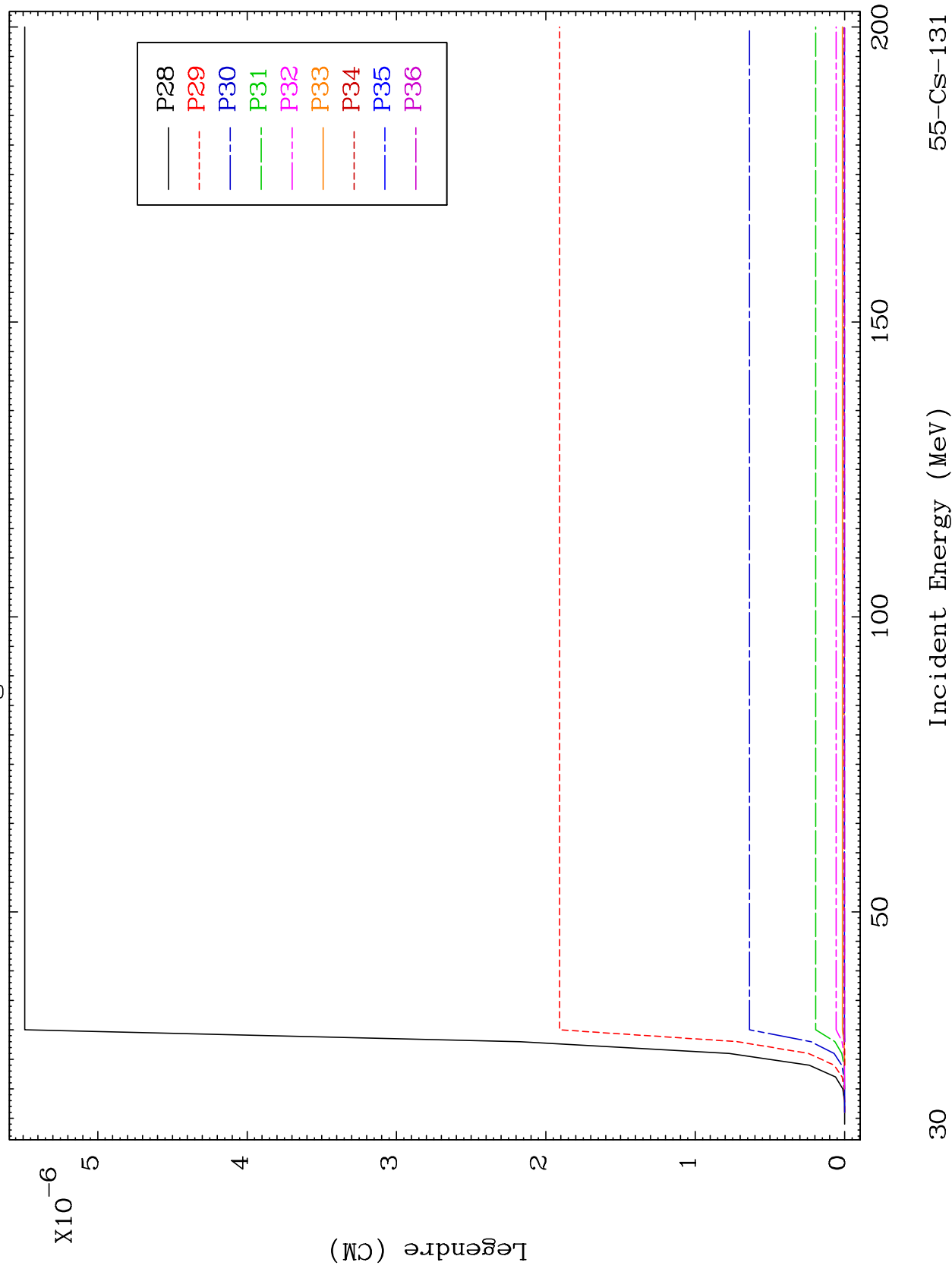
55-CS-131

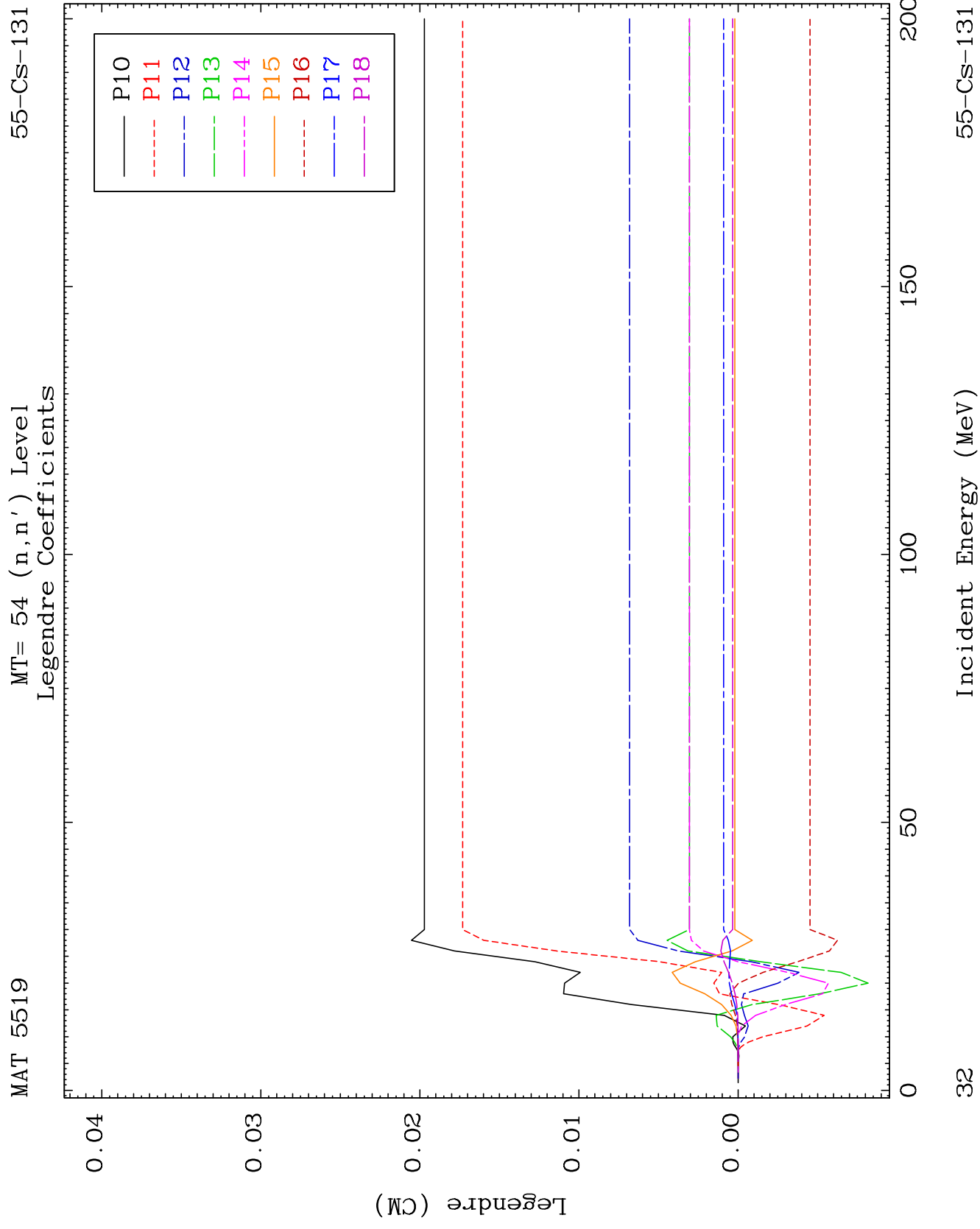


MAT 5519

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

55-Cs-131

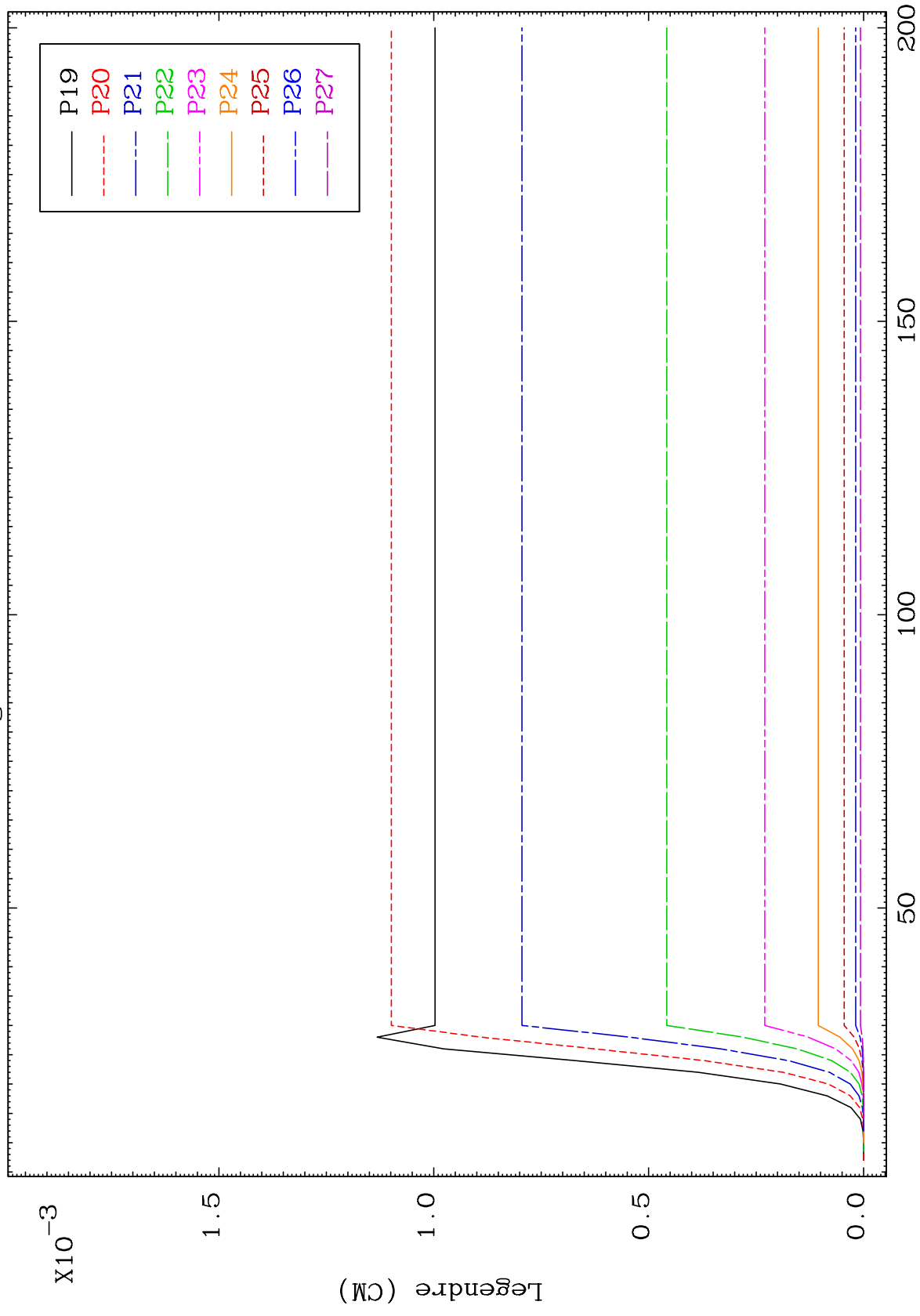




MAT 5519

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

55-Cs-131



33

Incident Energy (MeV)

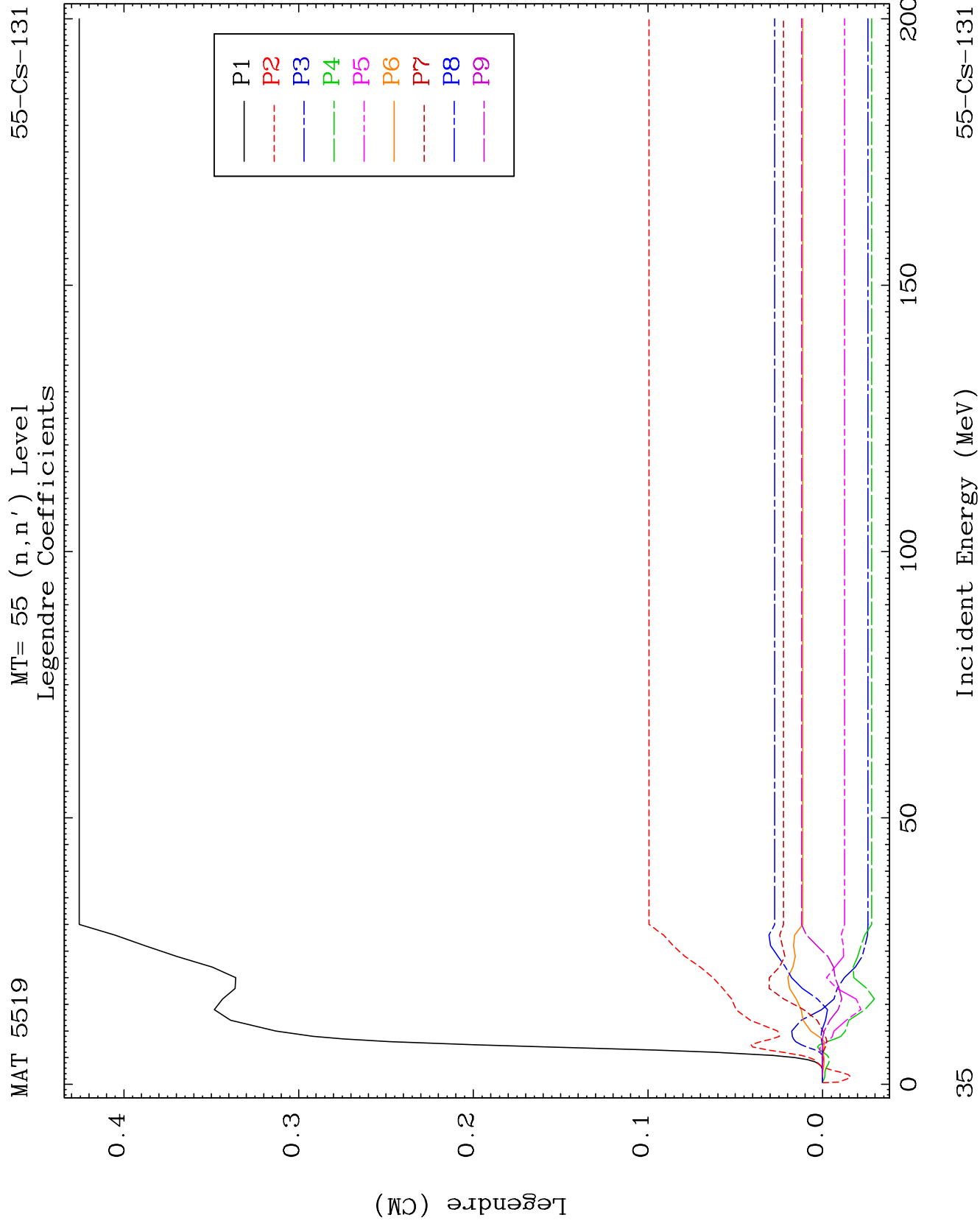
55-Cs-131

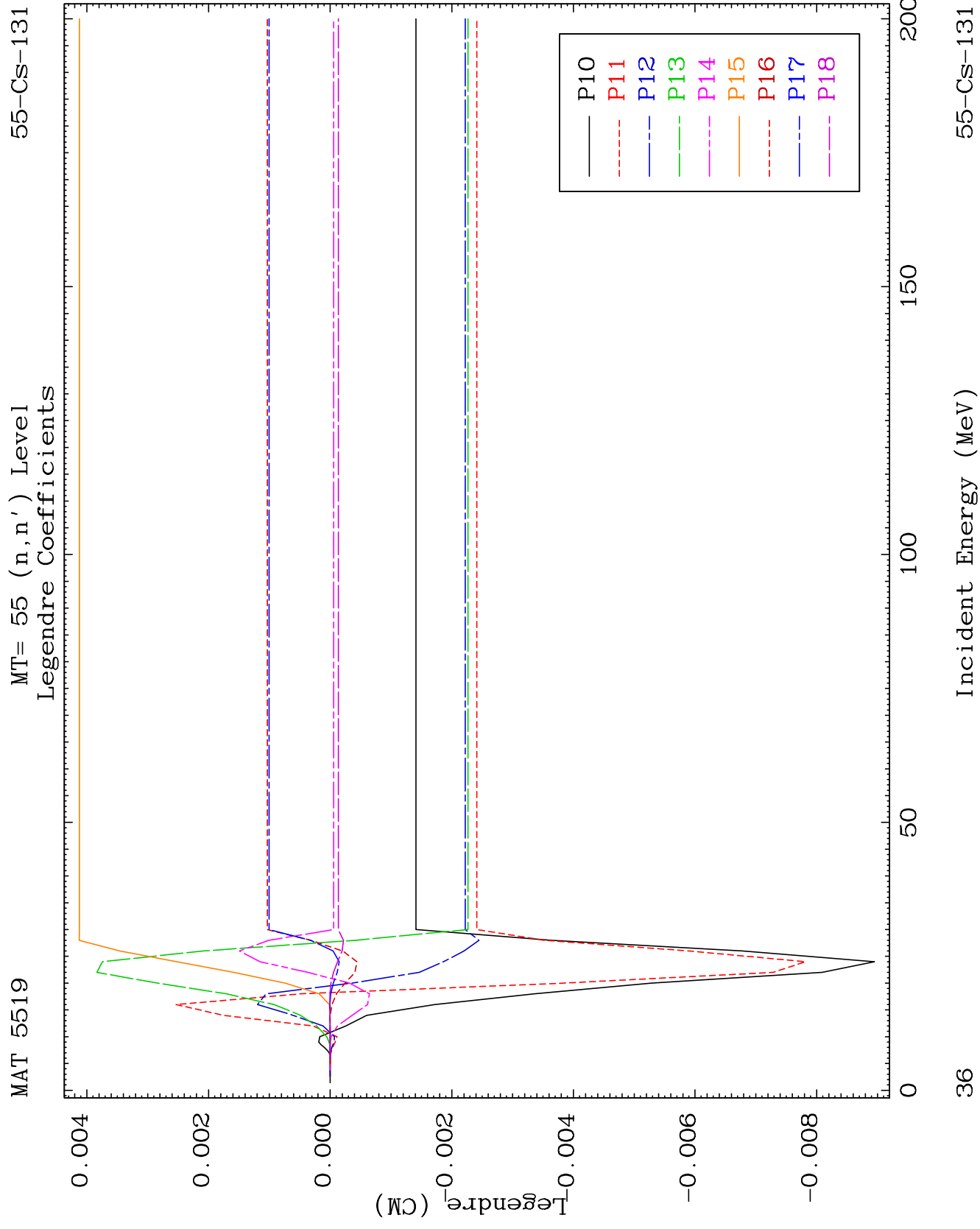
200

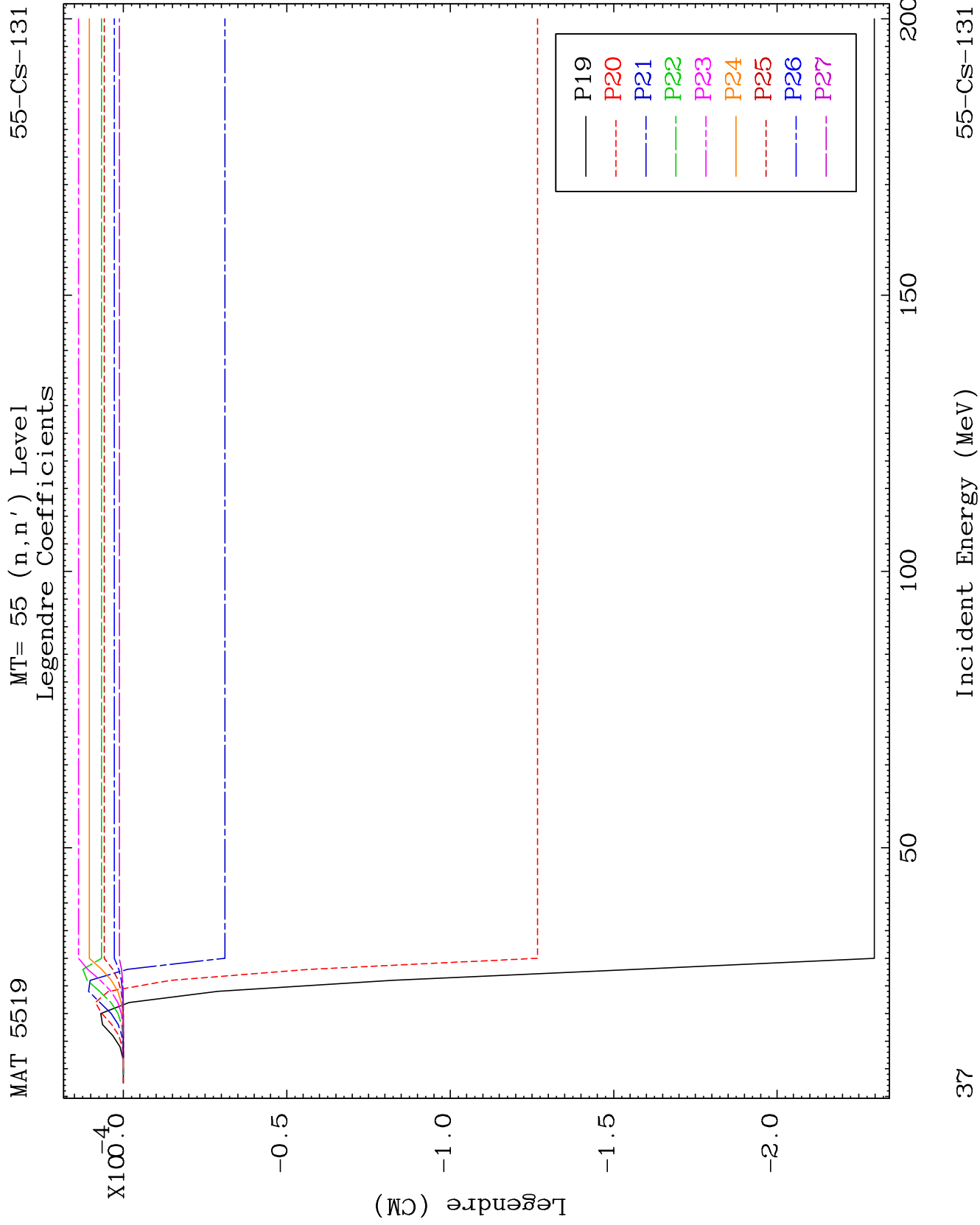
50

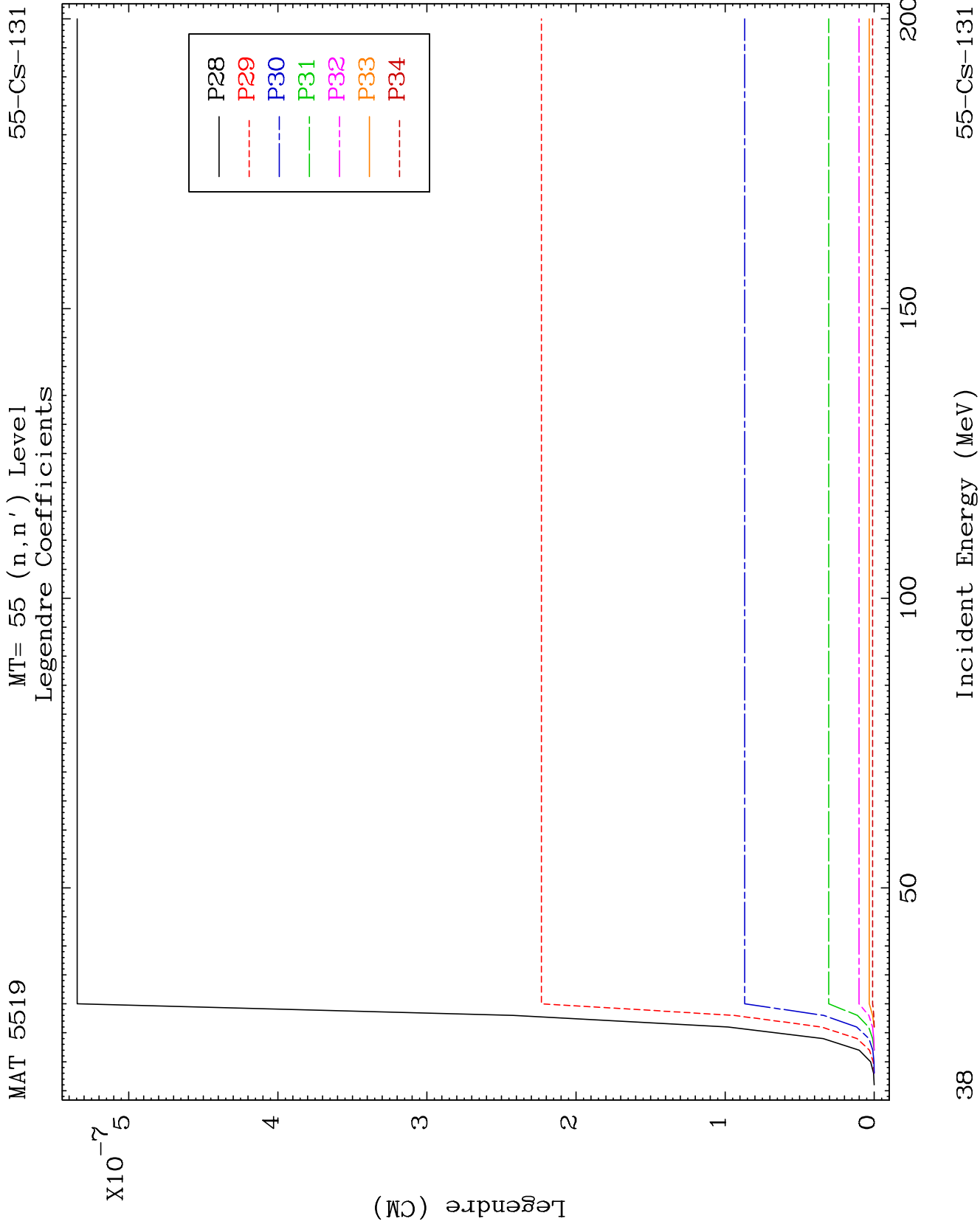
100

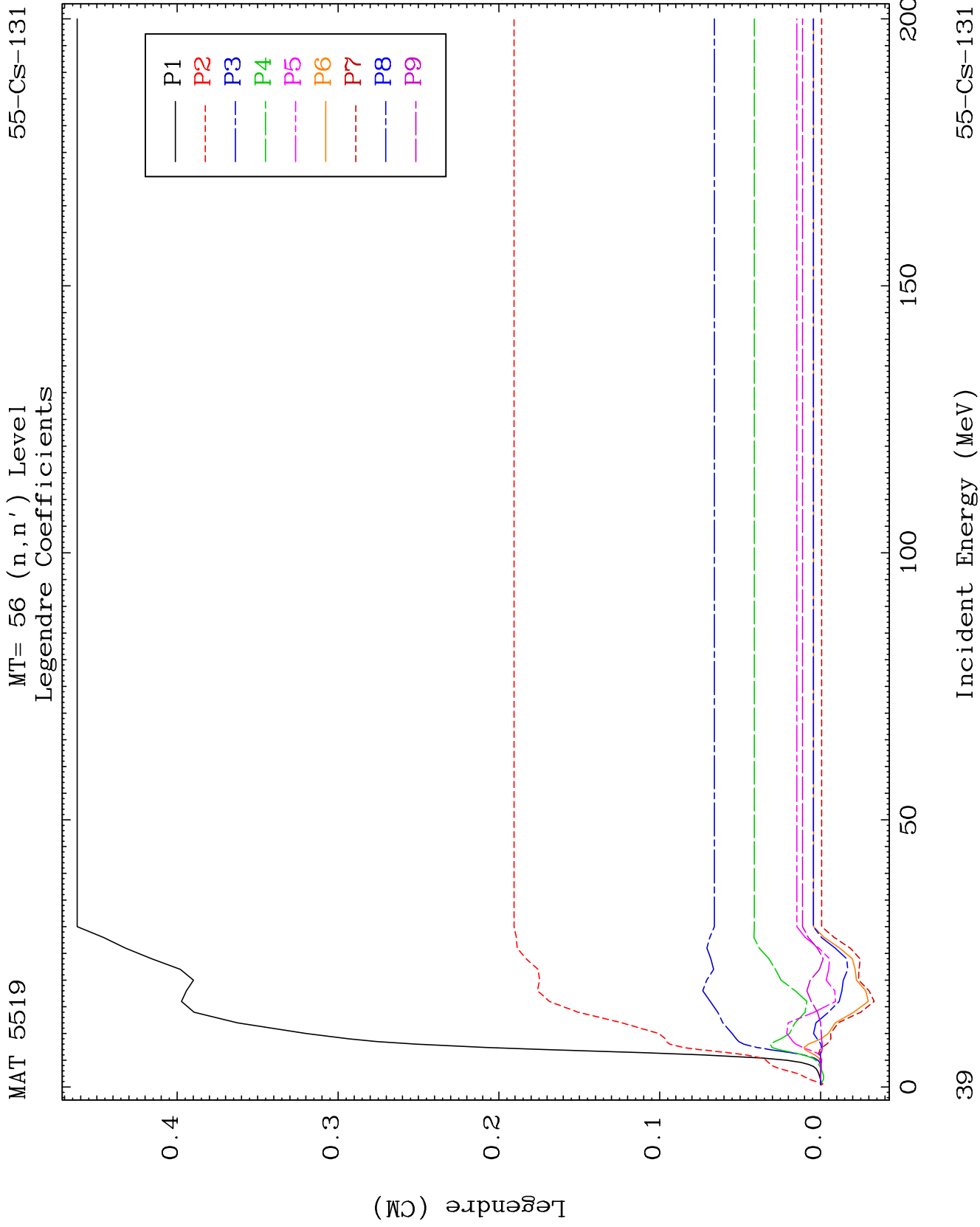
150

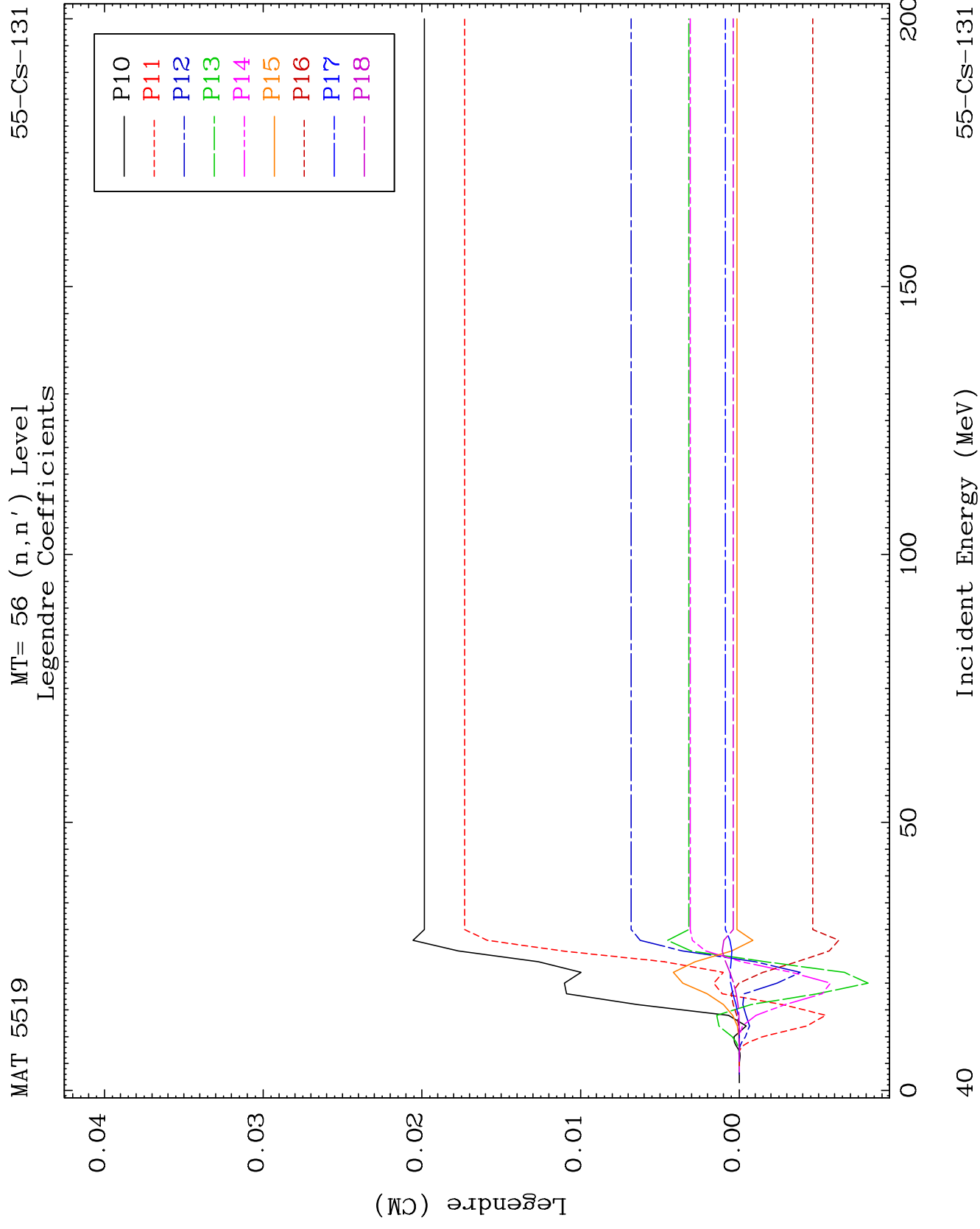


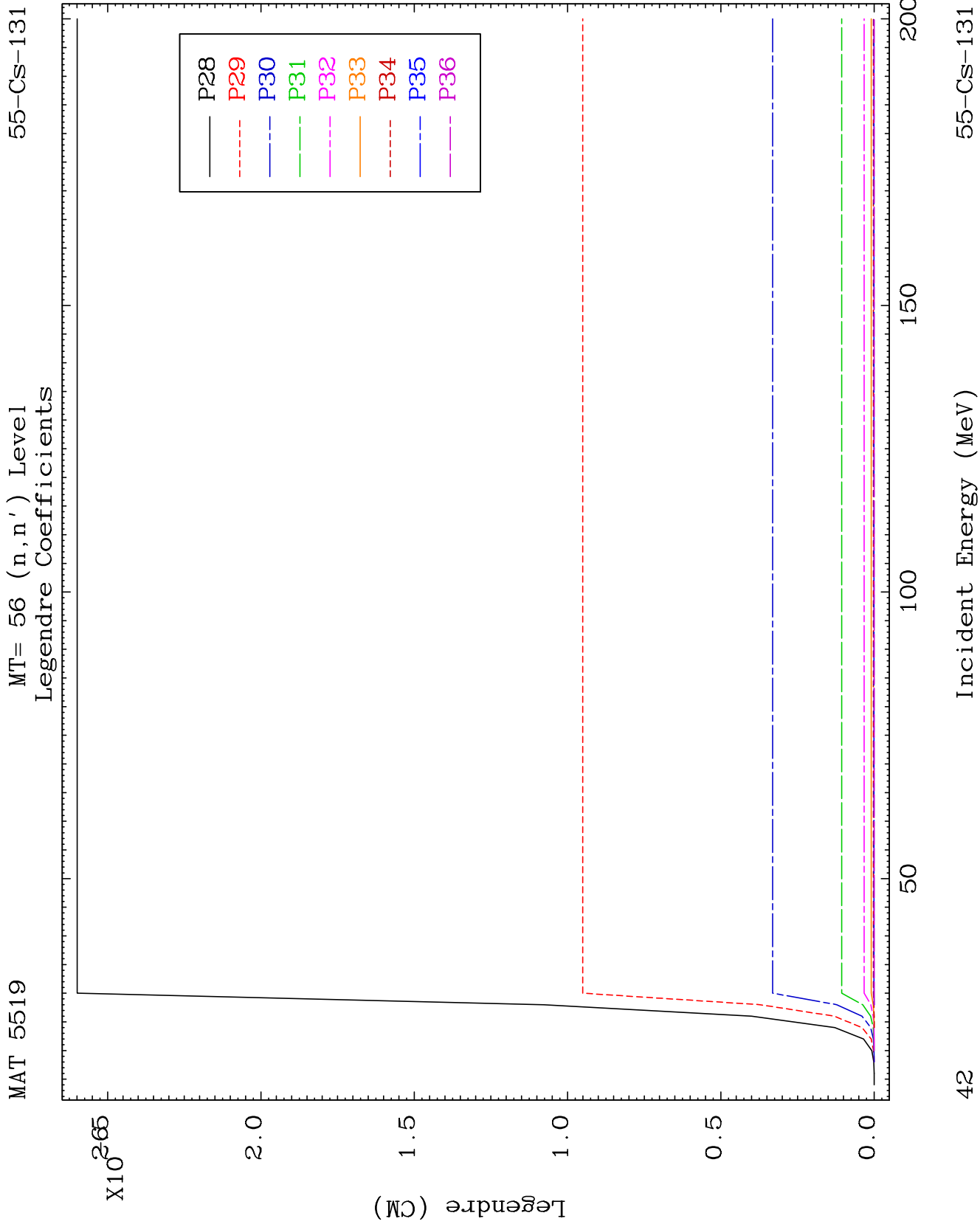


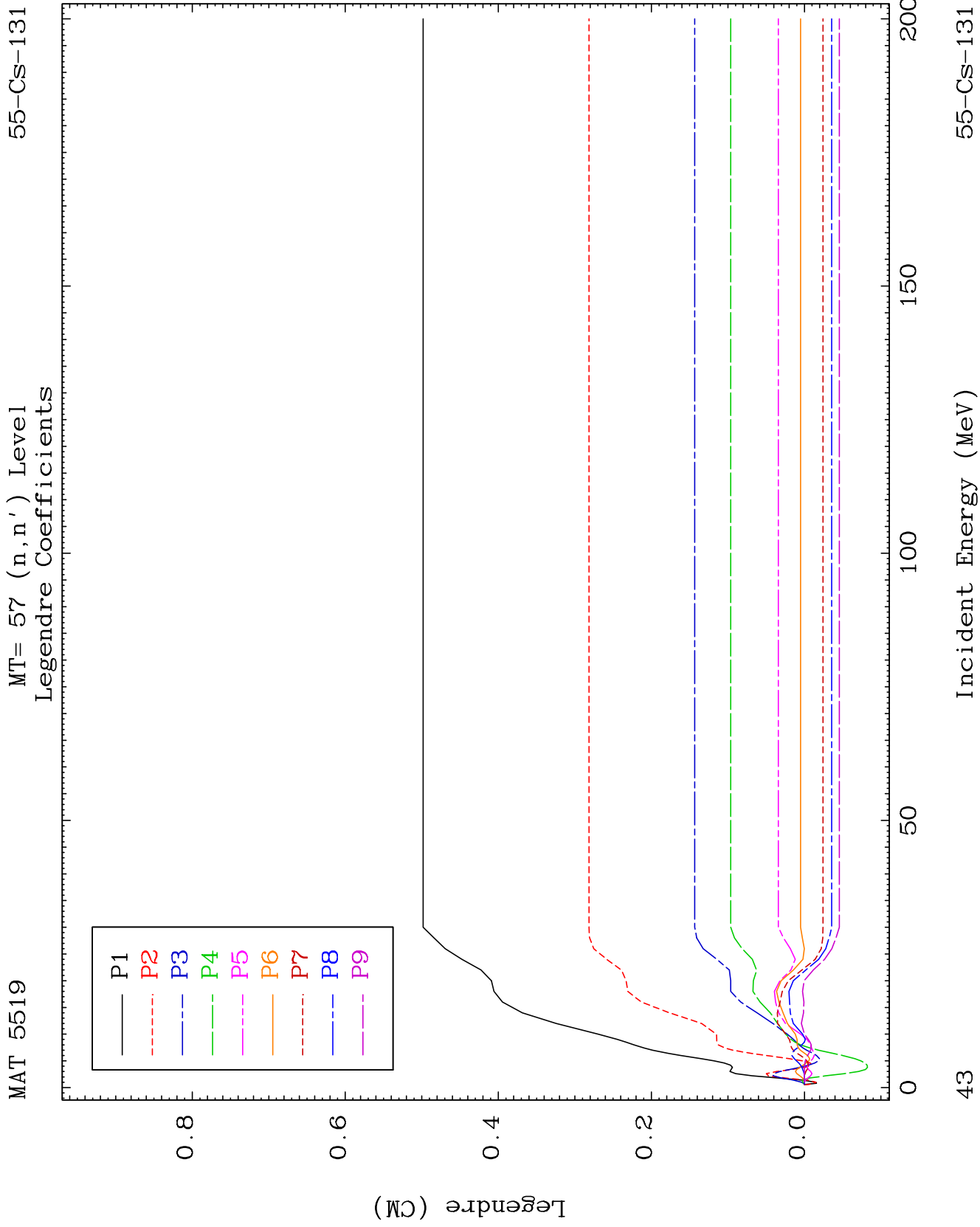


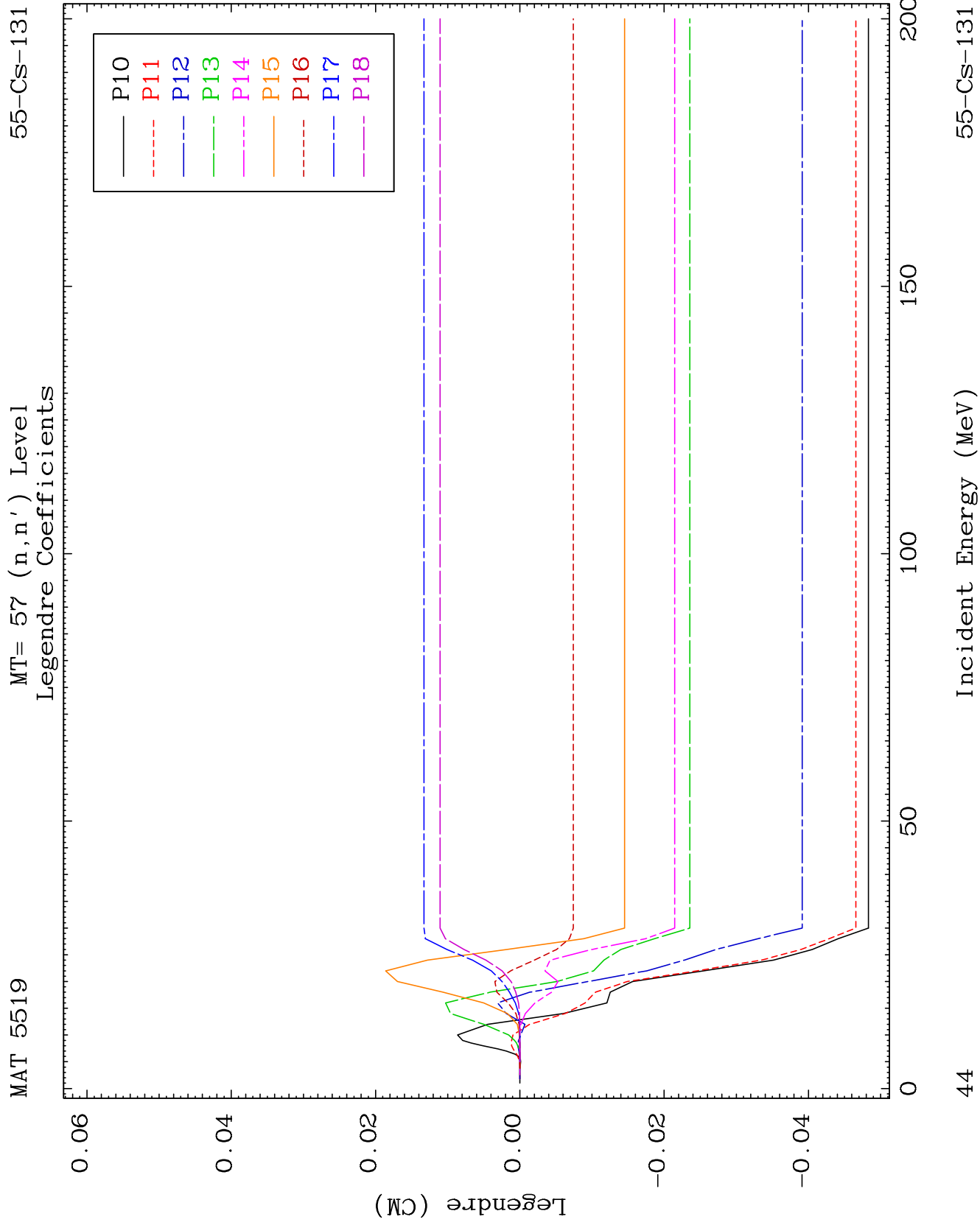


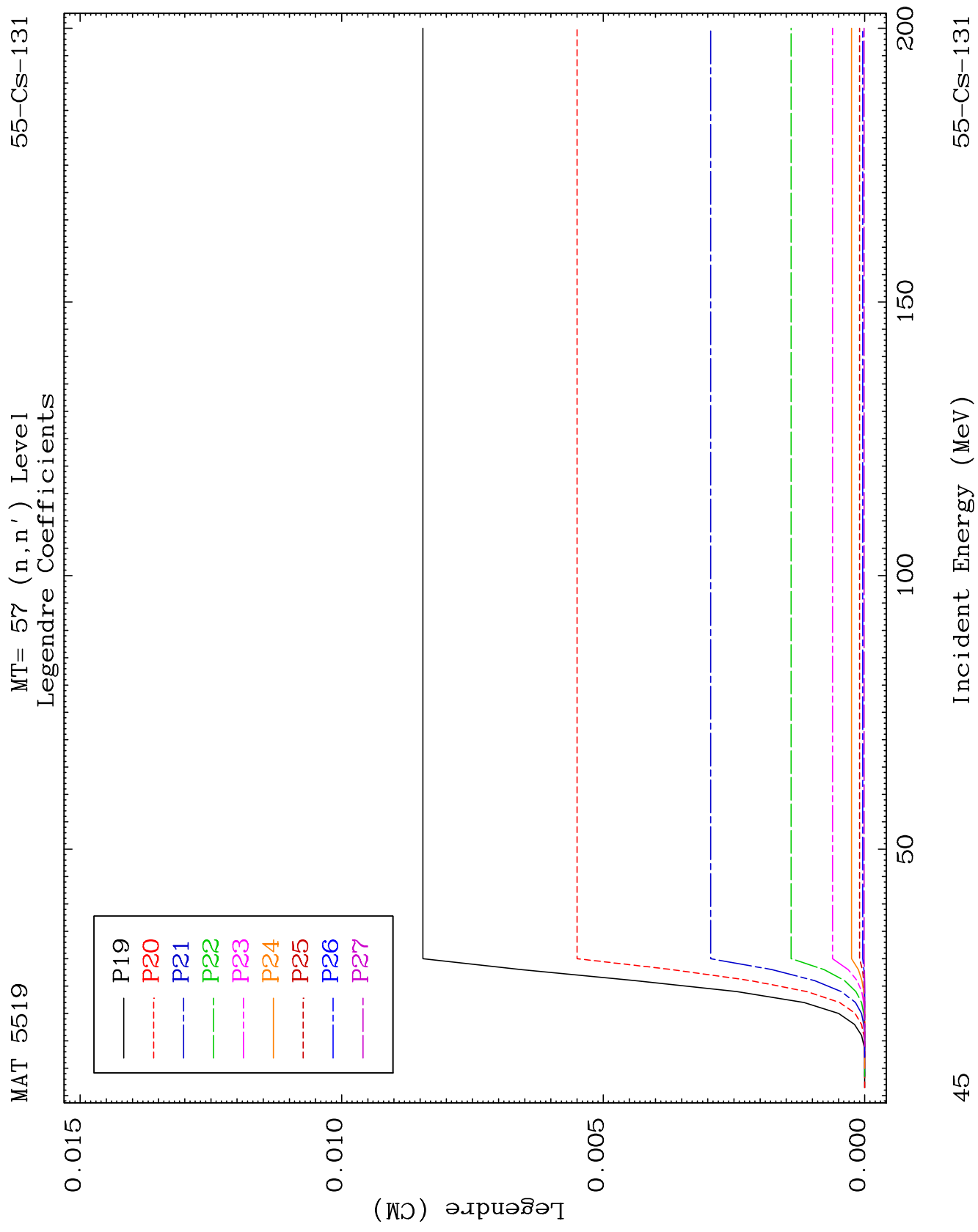








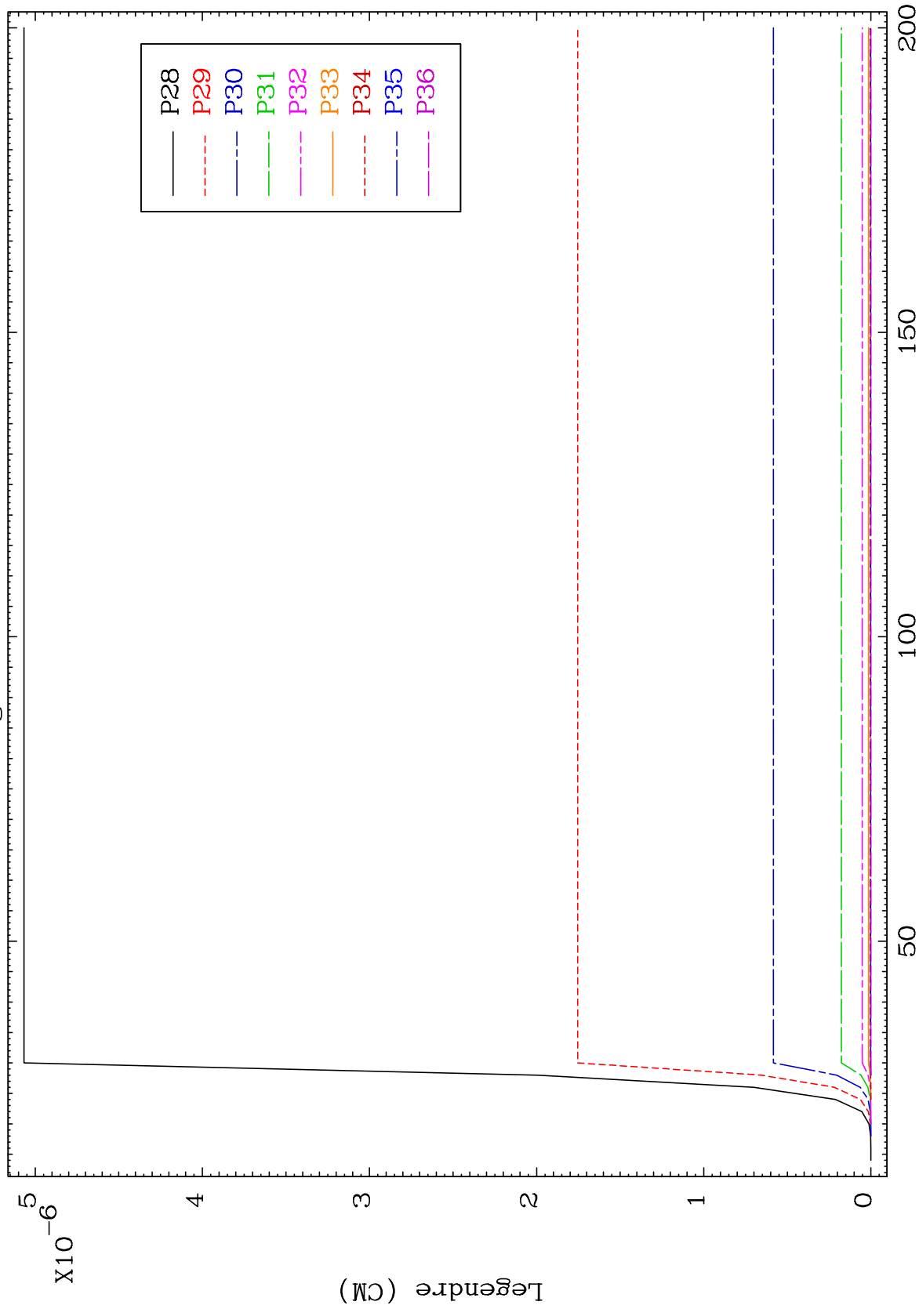




MAT 5519

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

55-Cs-131



46

Incident Energy (MeV)

55-Cs-131

50

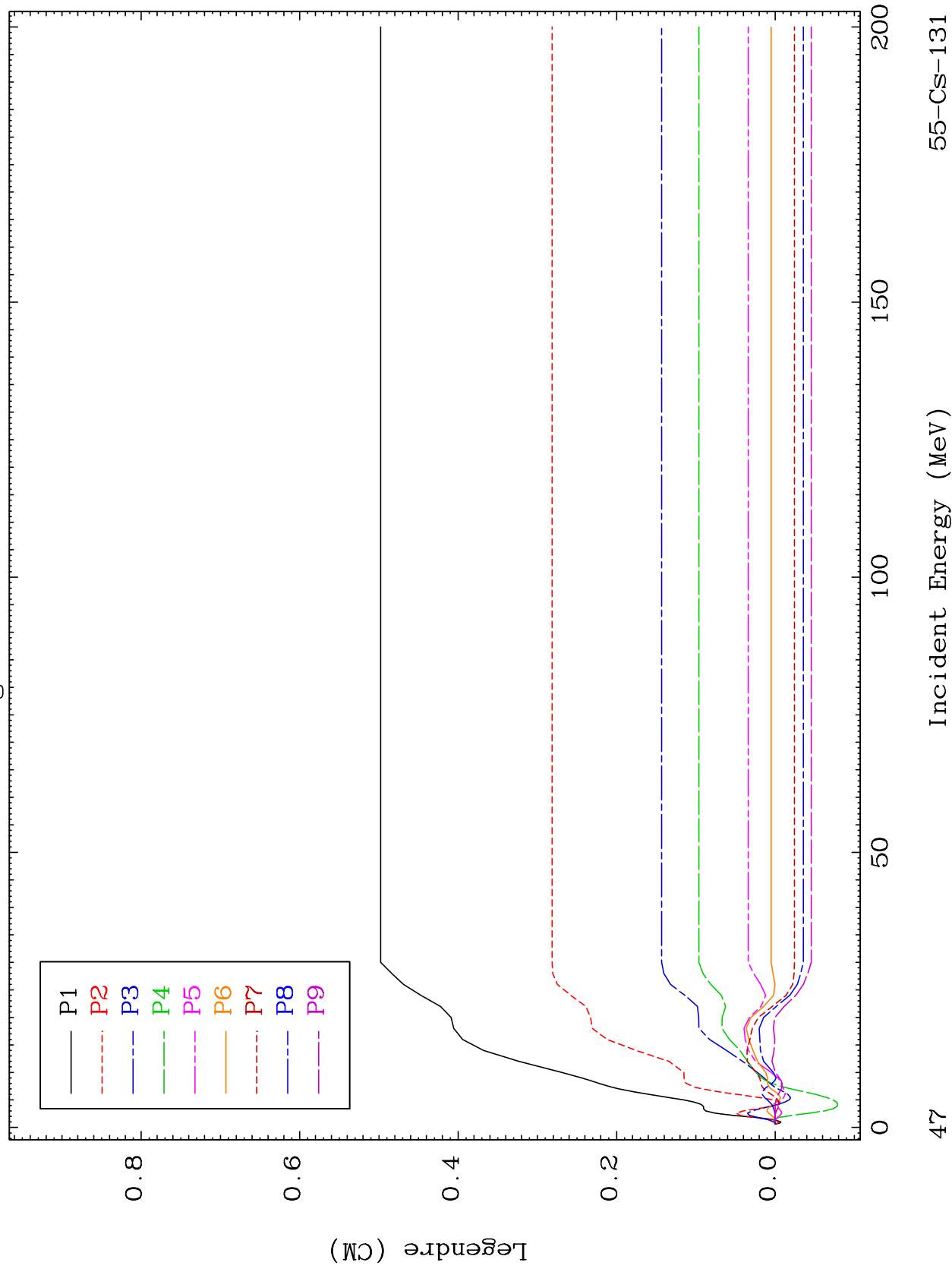
150

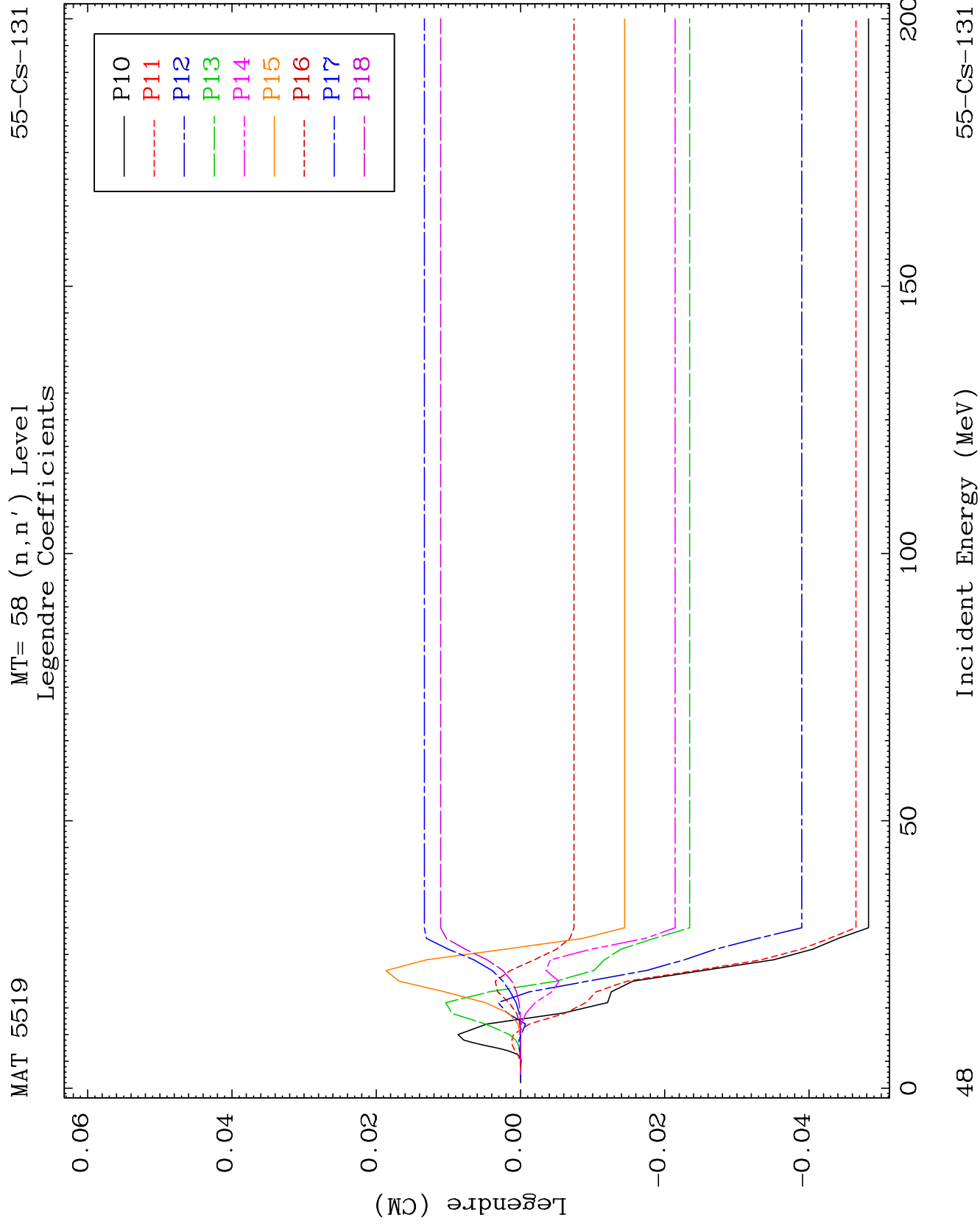
200

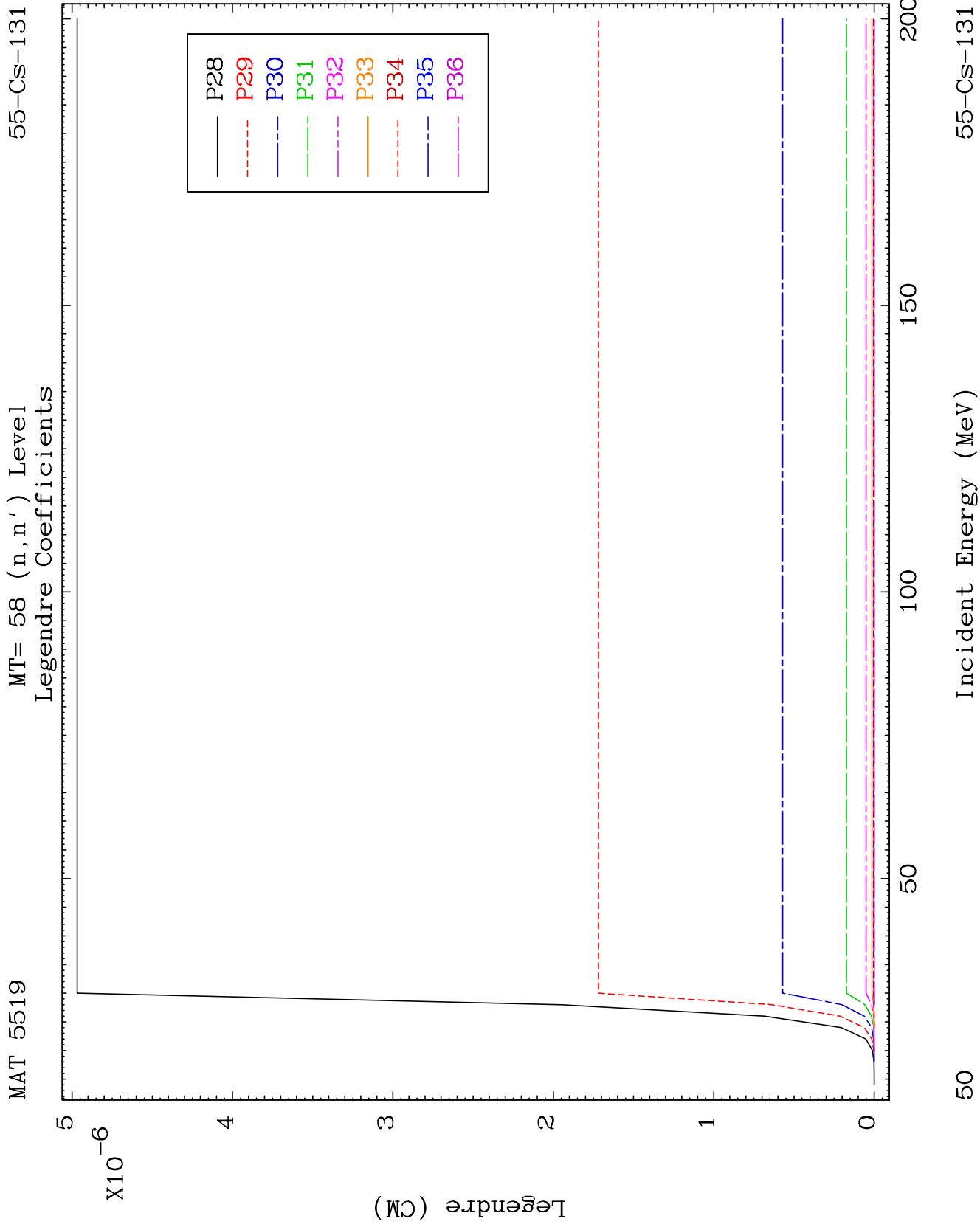
MAT 5519

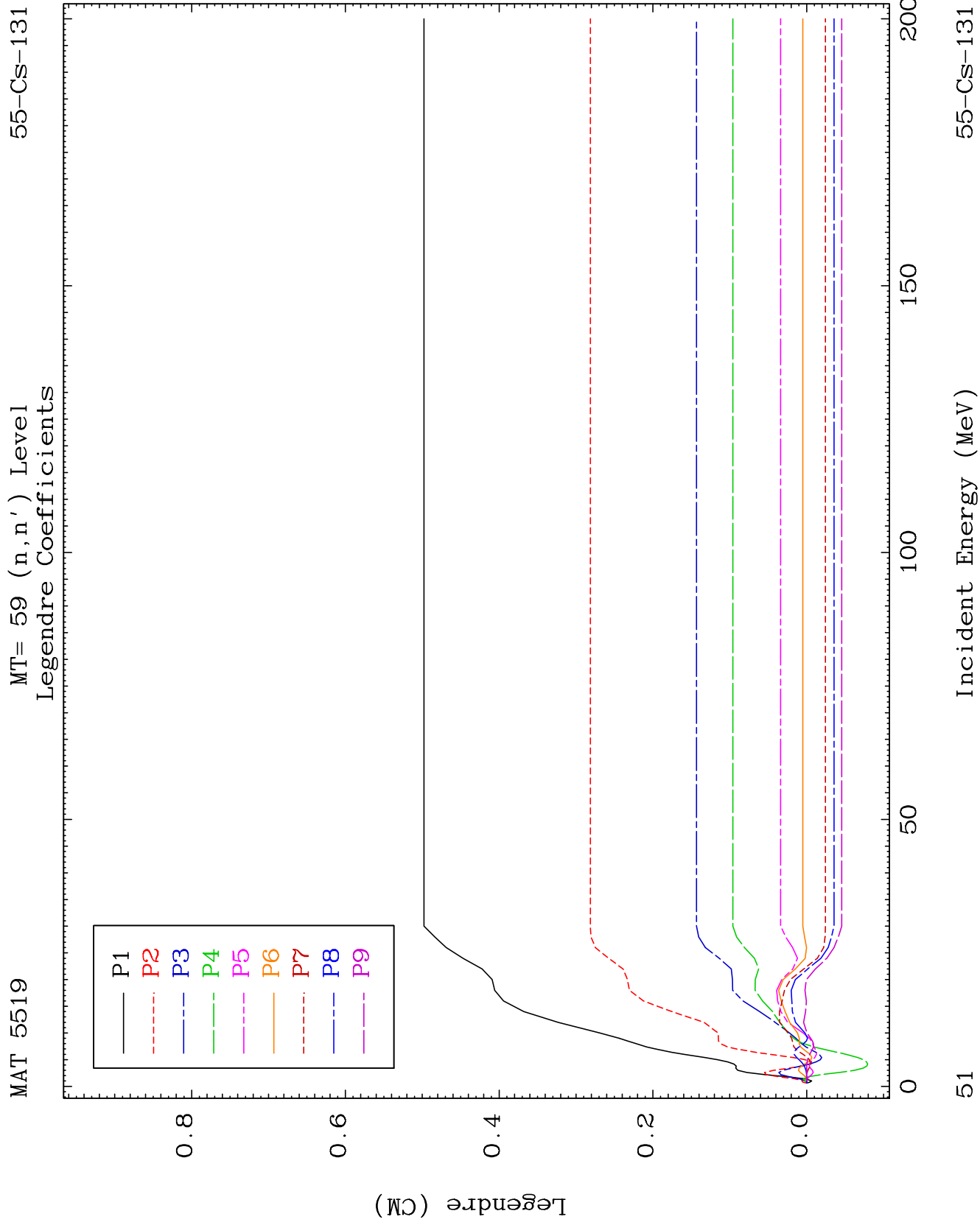
MT= 58 (n, n') Level
Legendre Coefficients

55-CS-131





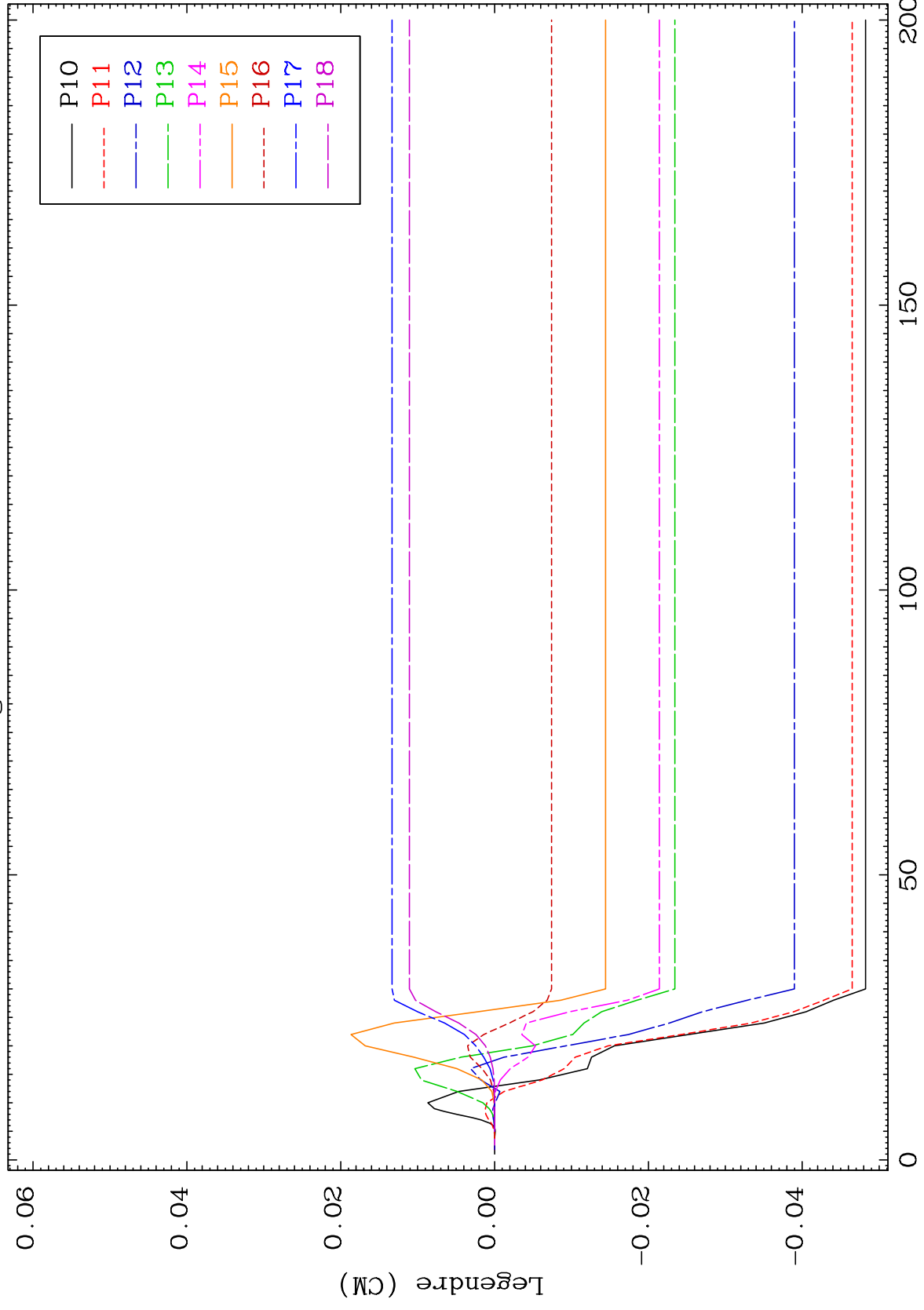




MAT 5519

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

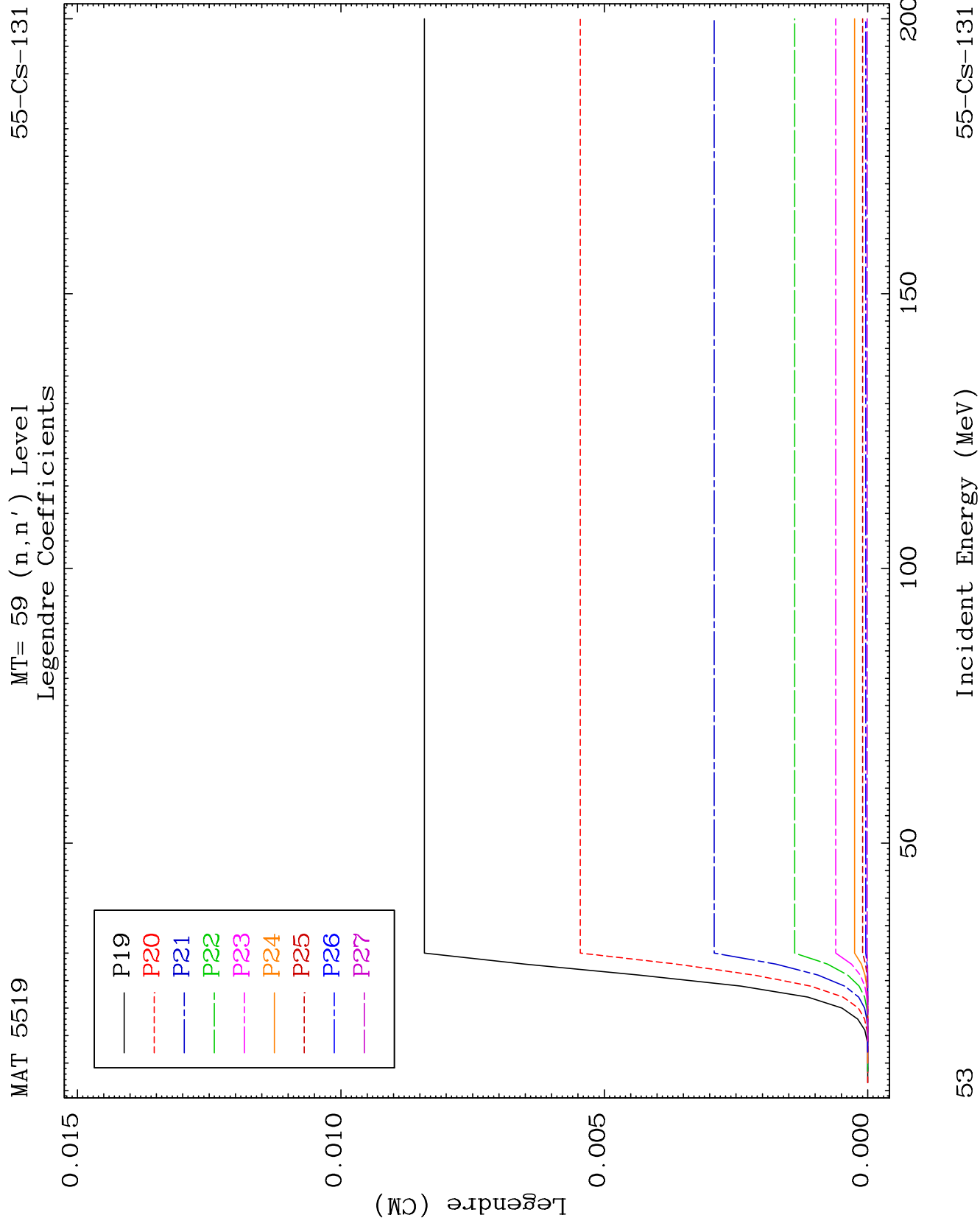
55-CS-131

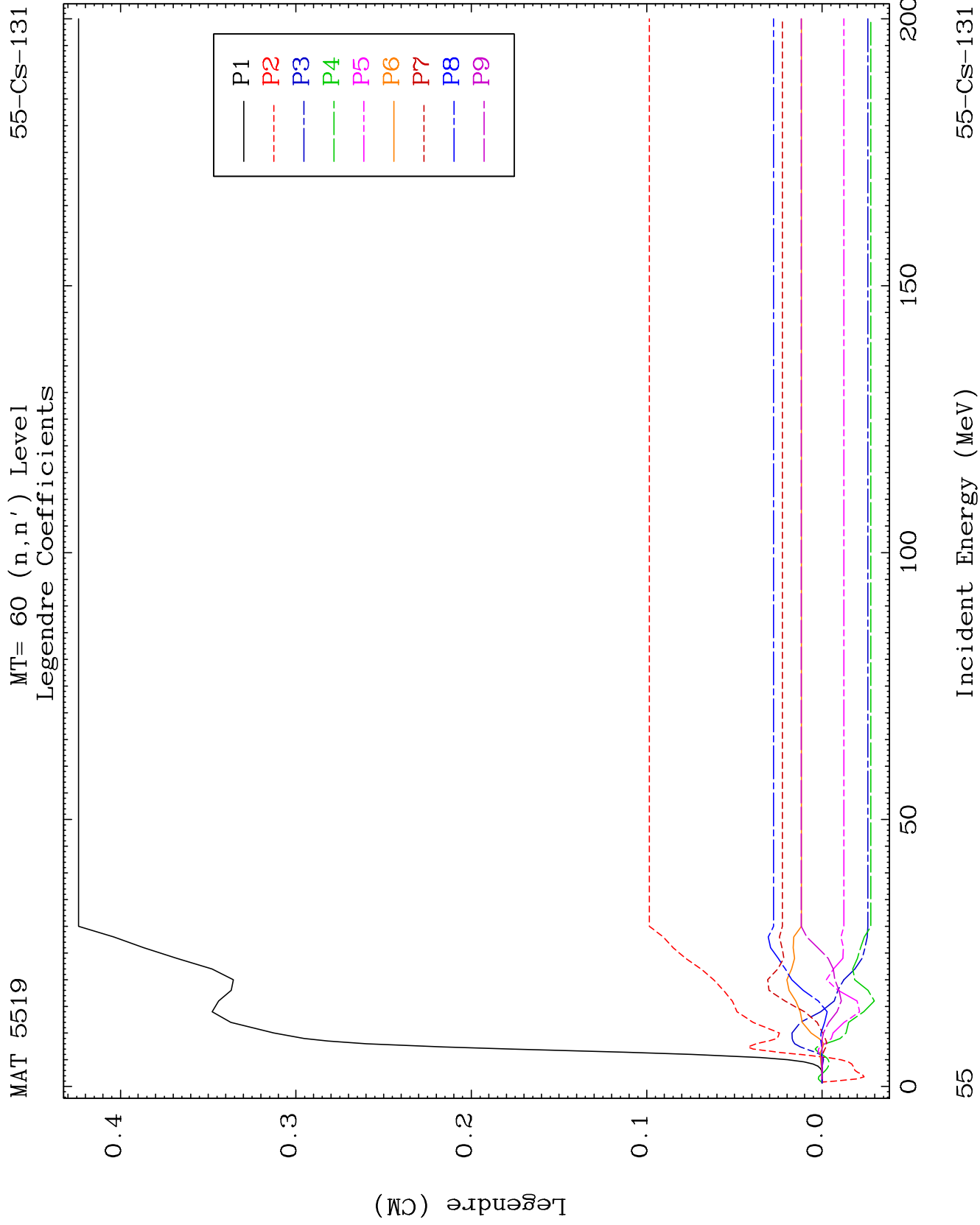


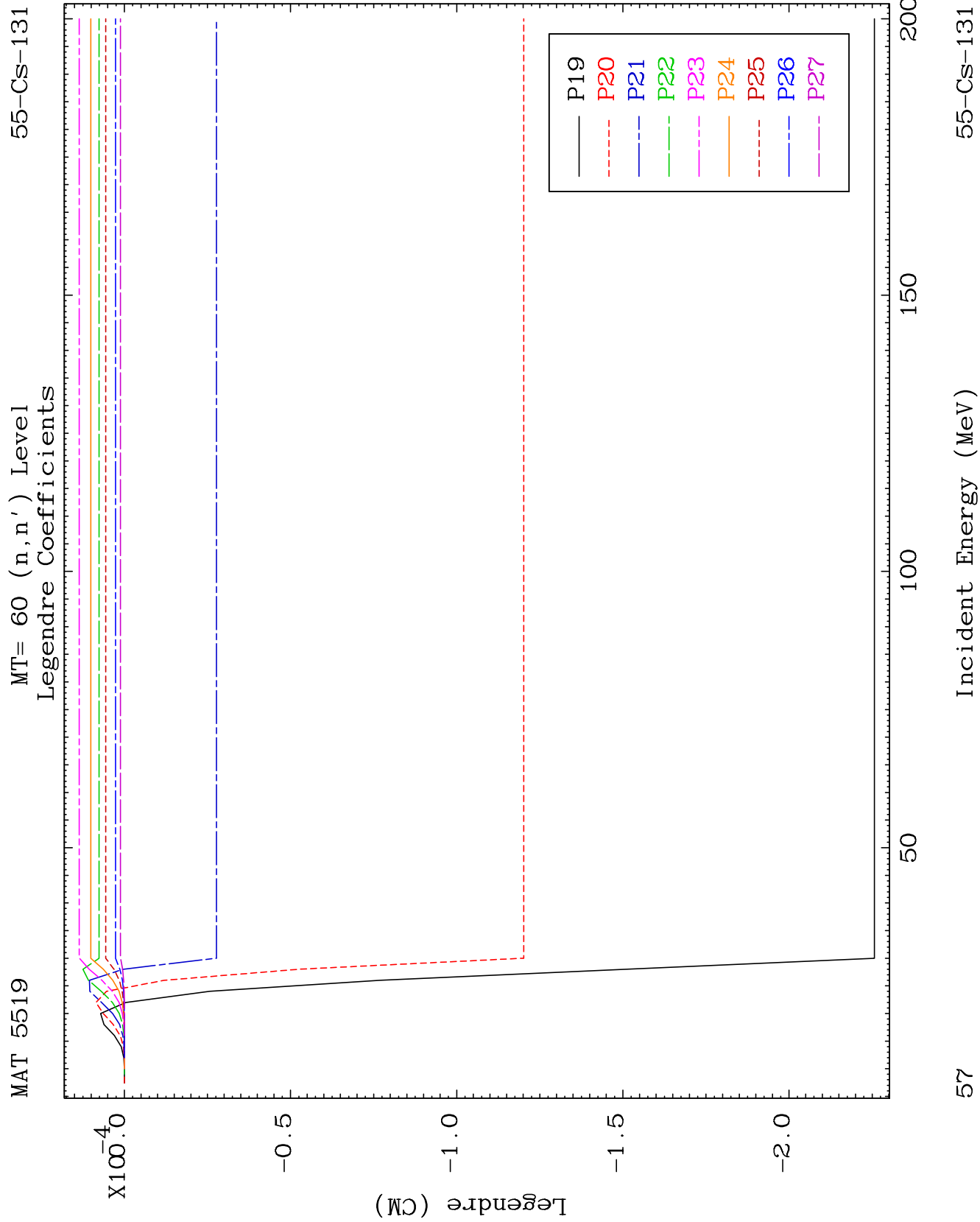
52

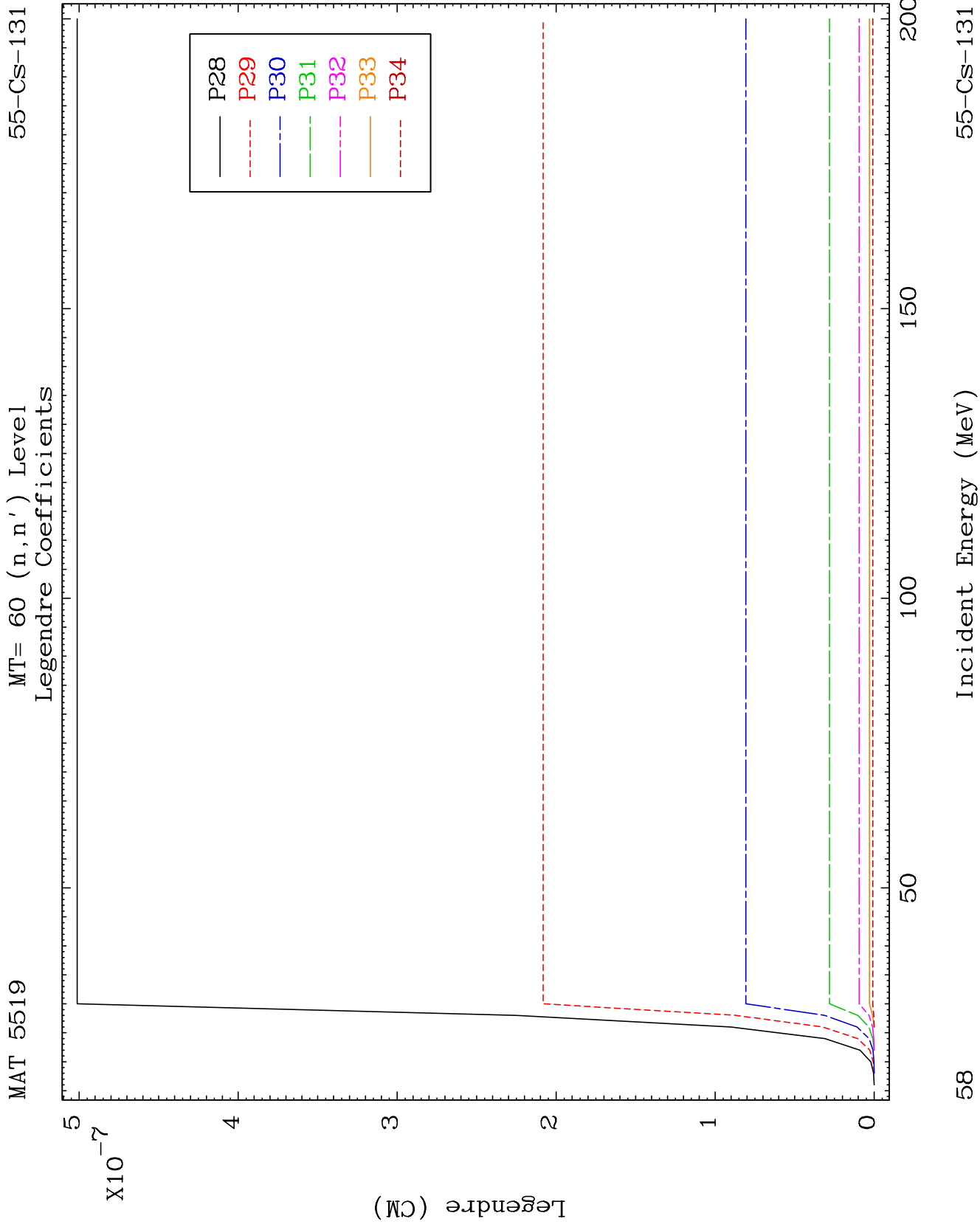
Incident Energy (MeV)

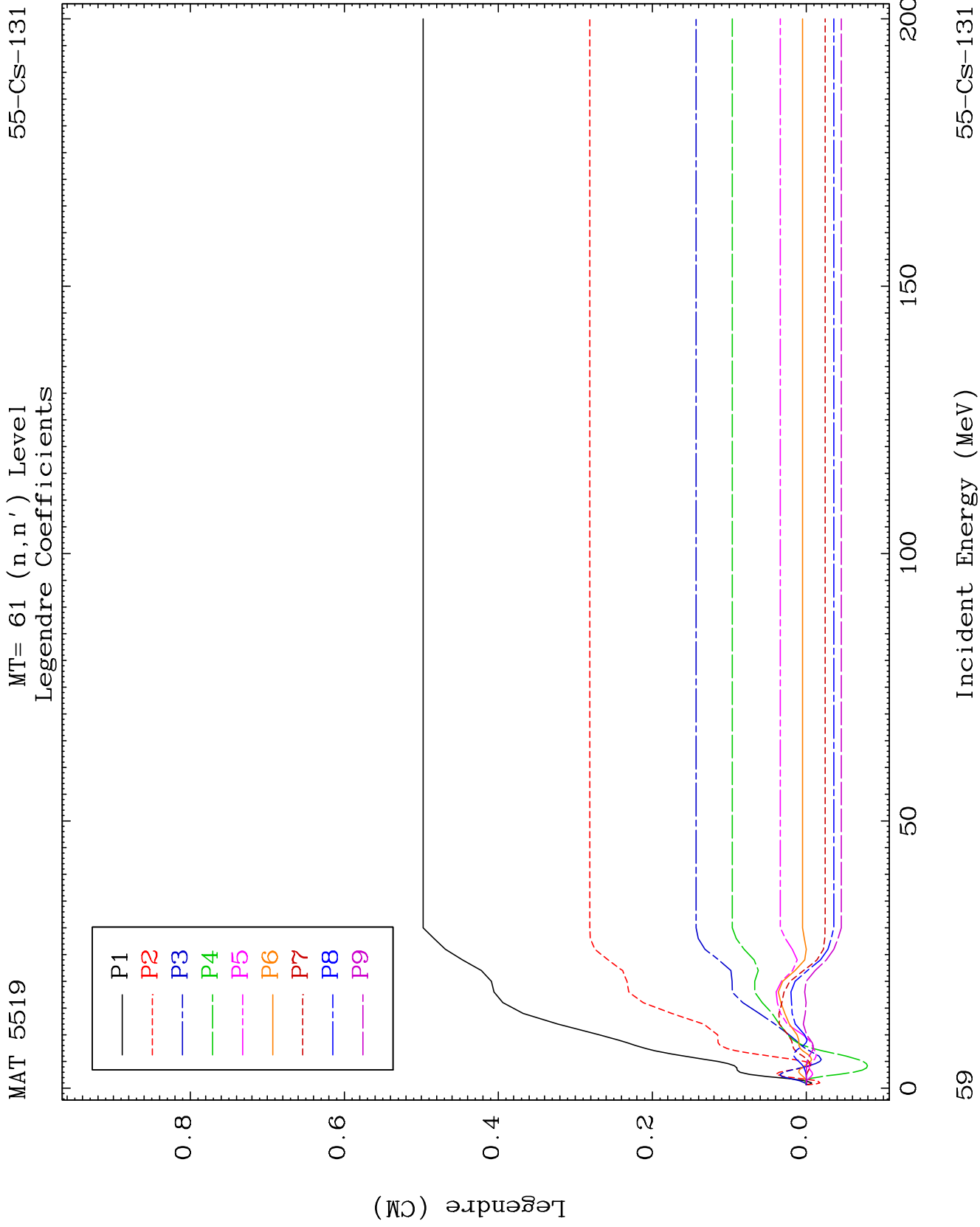
55-CS-131

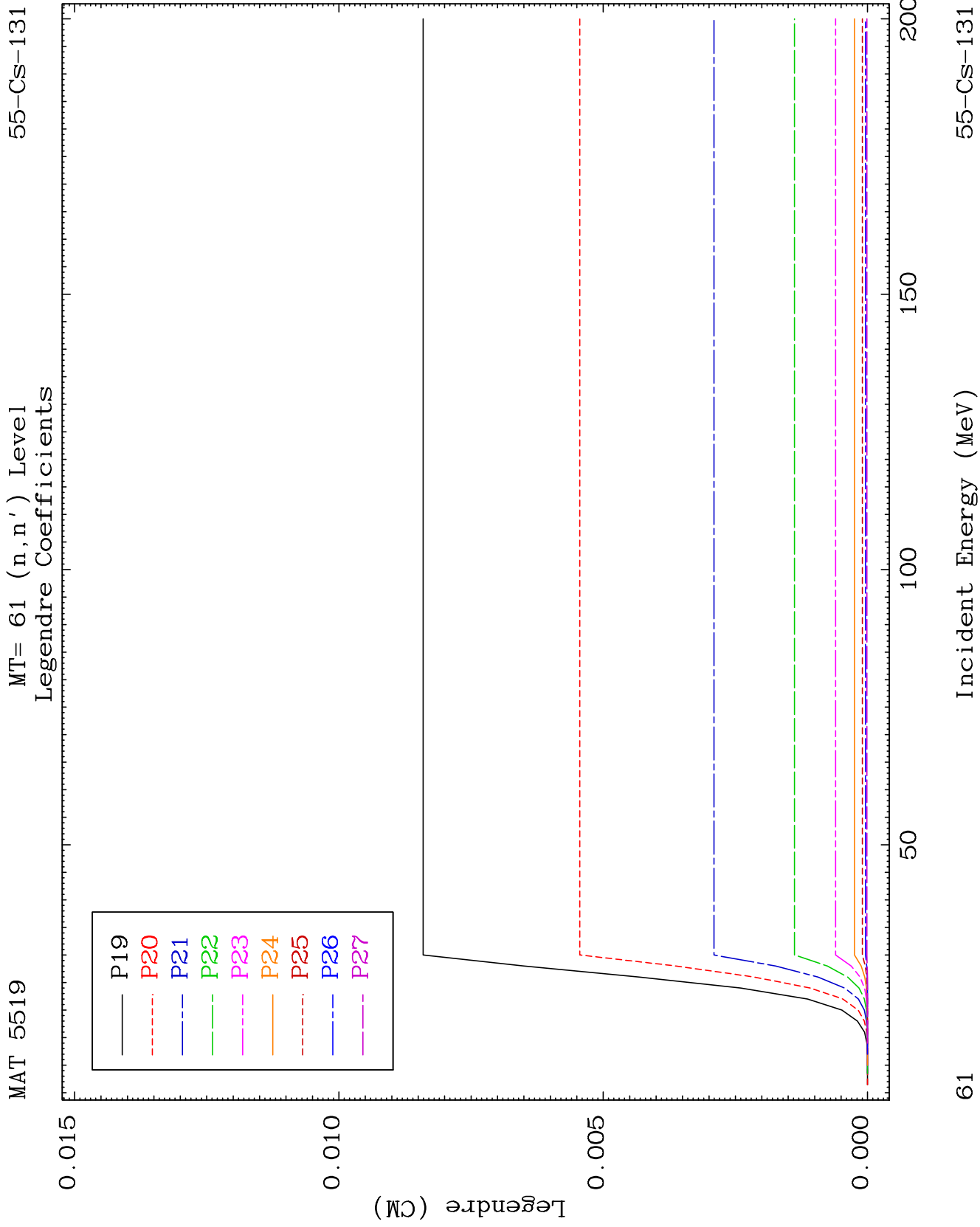


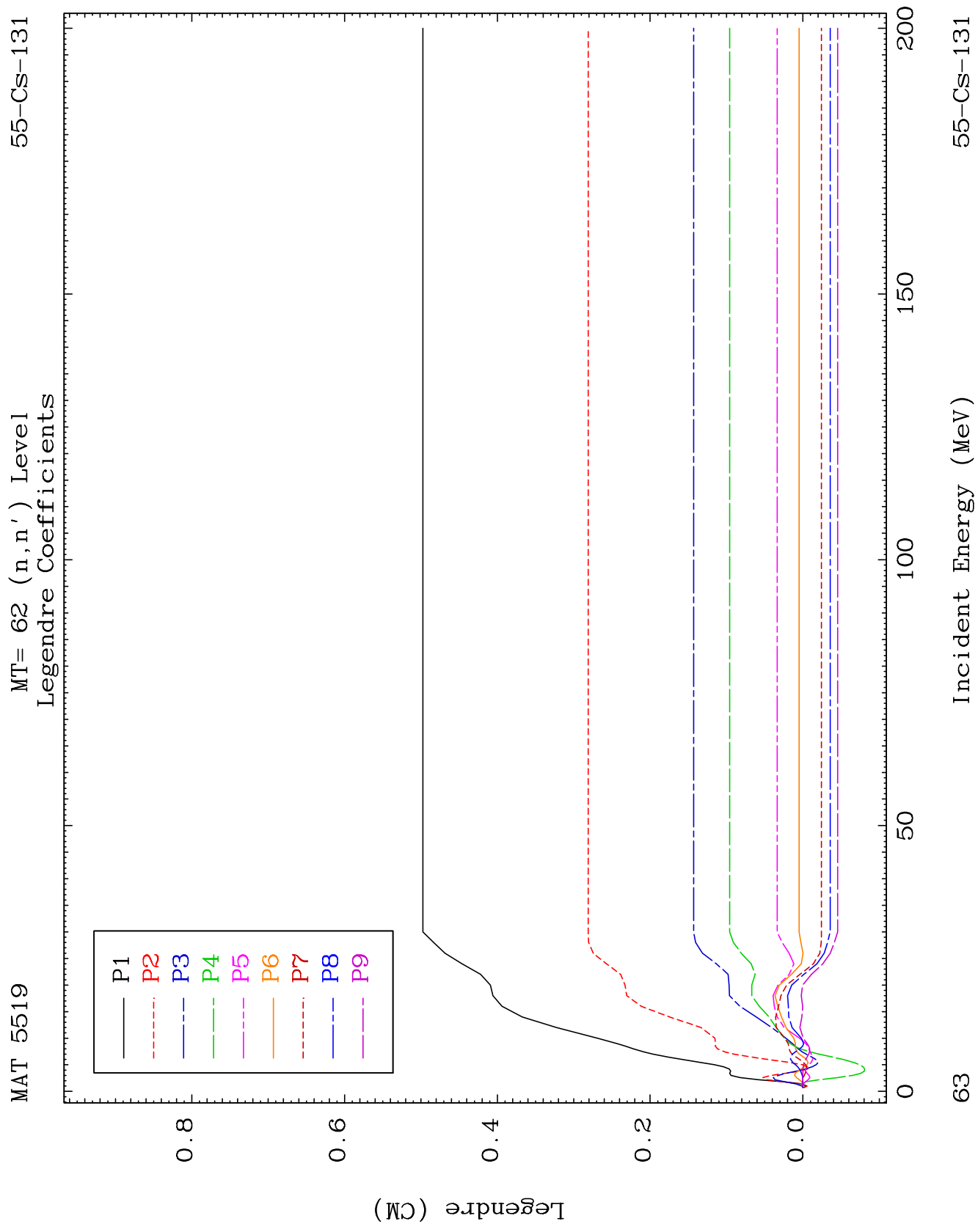


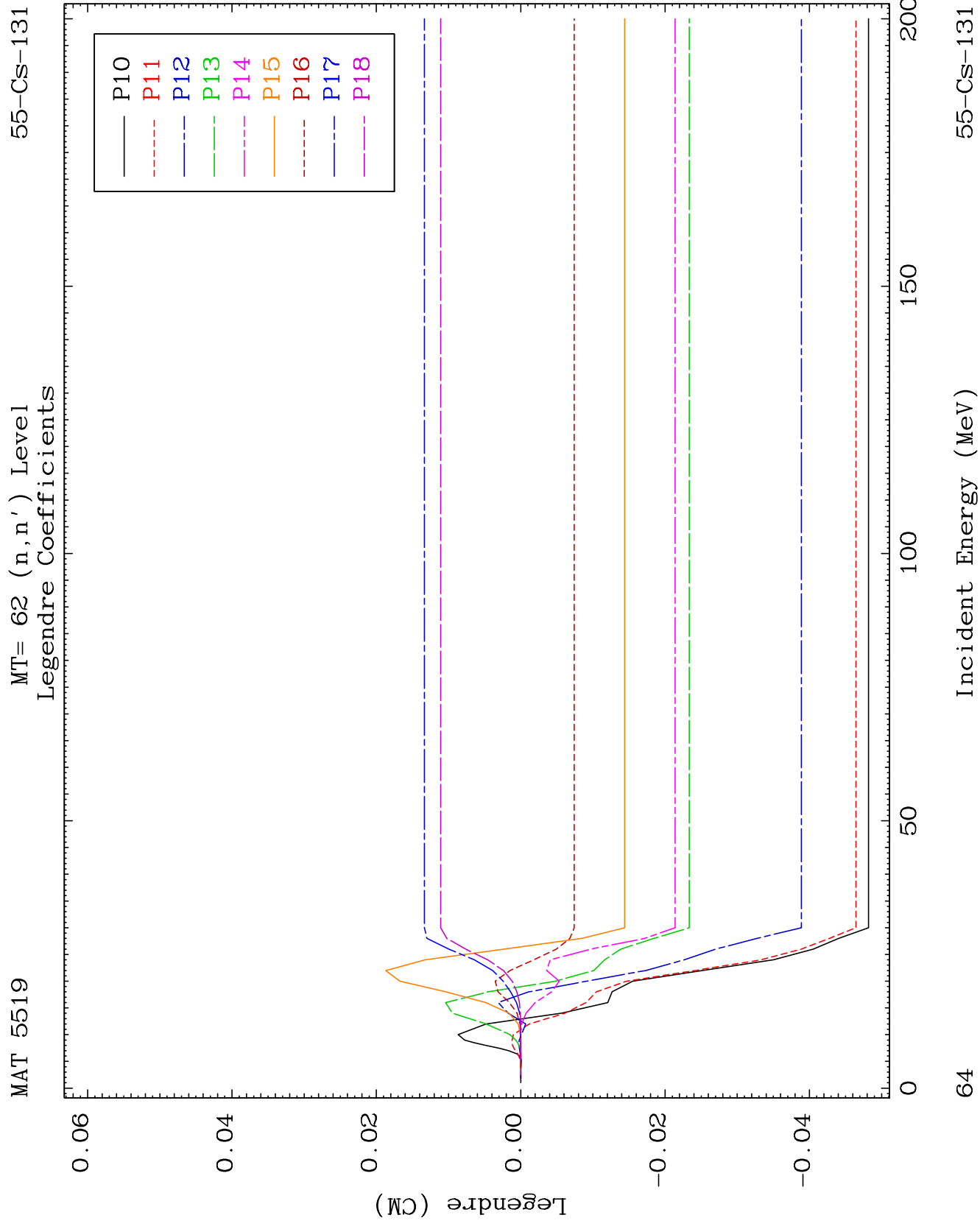


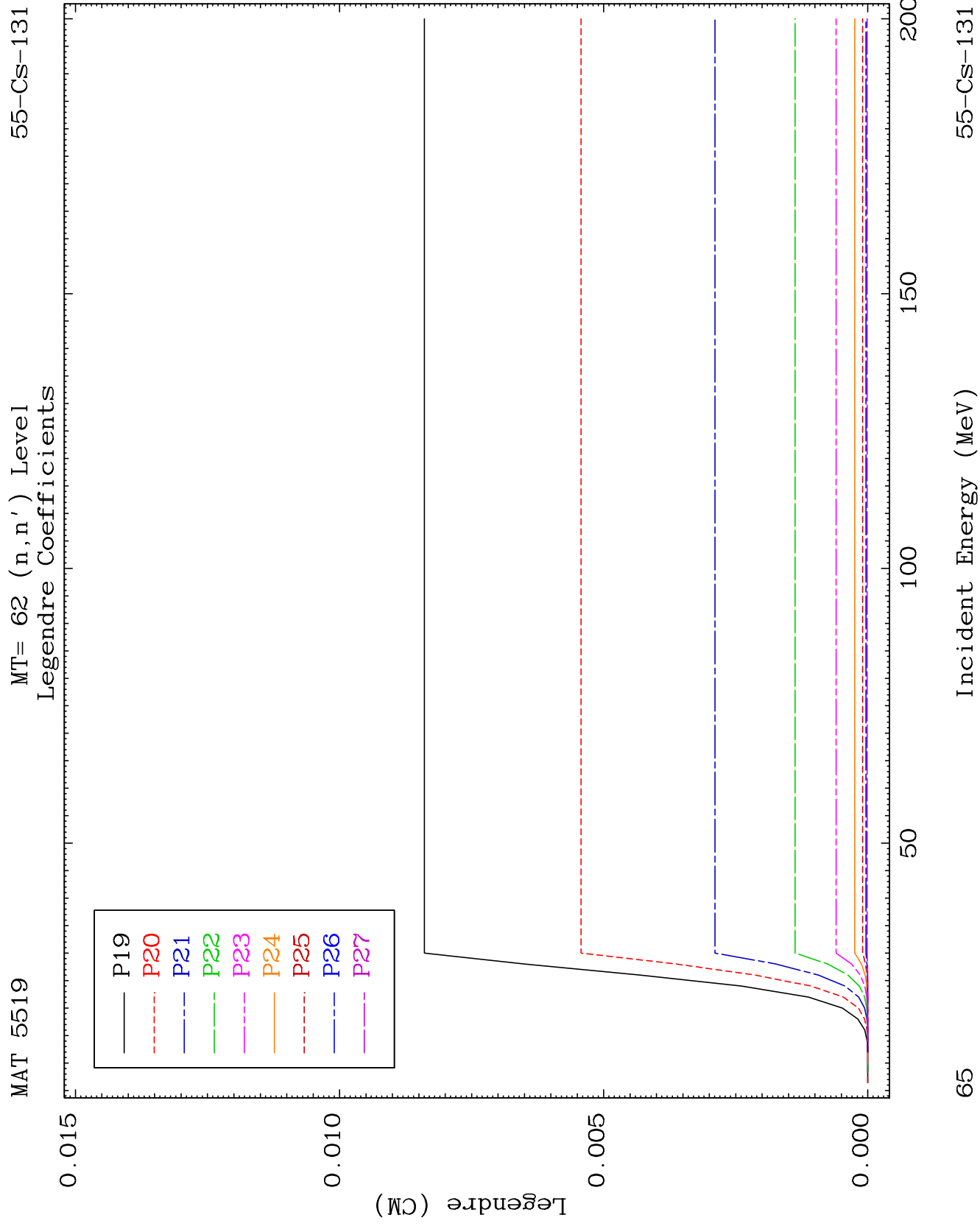


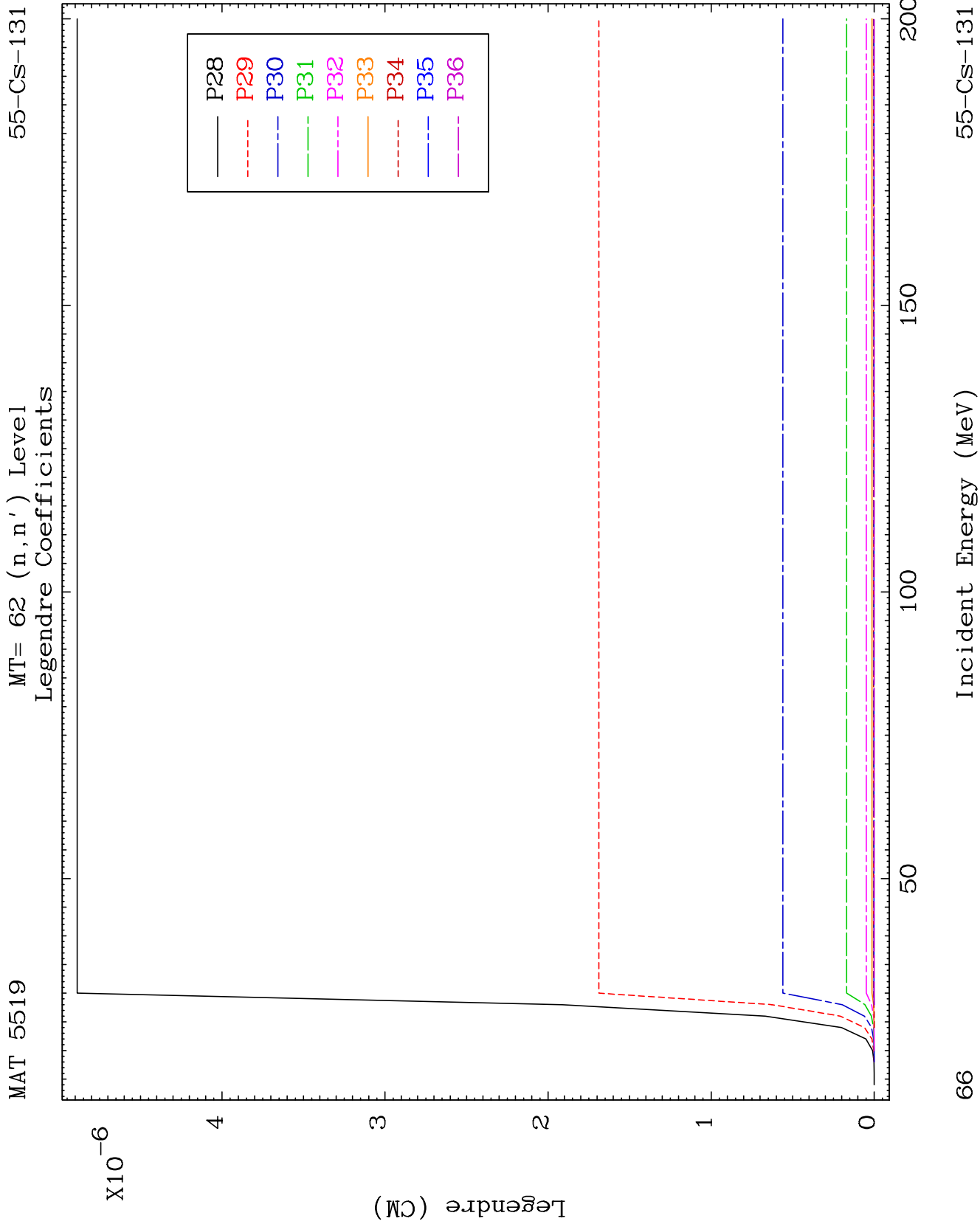


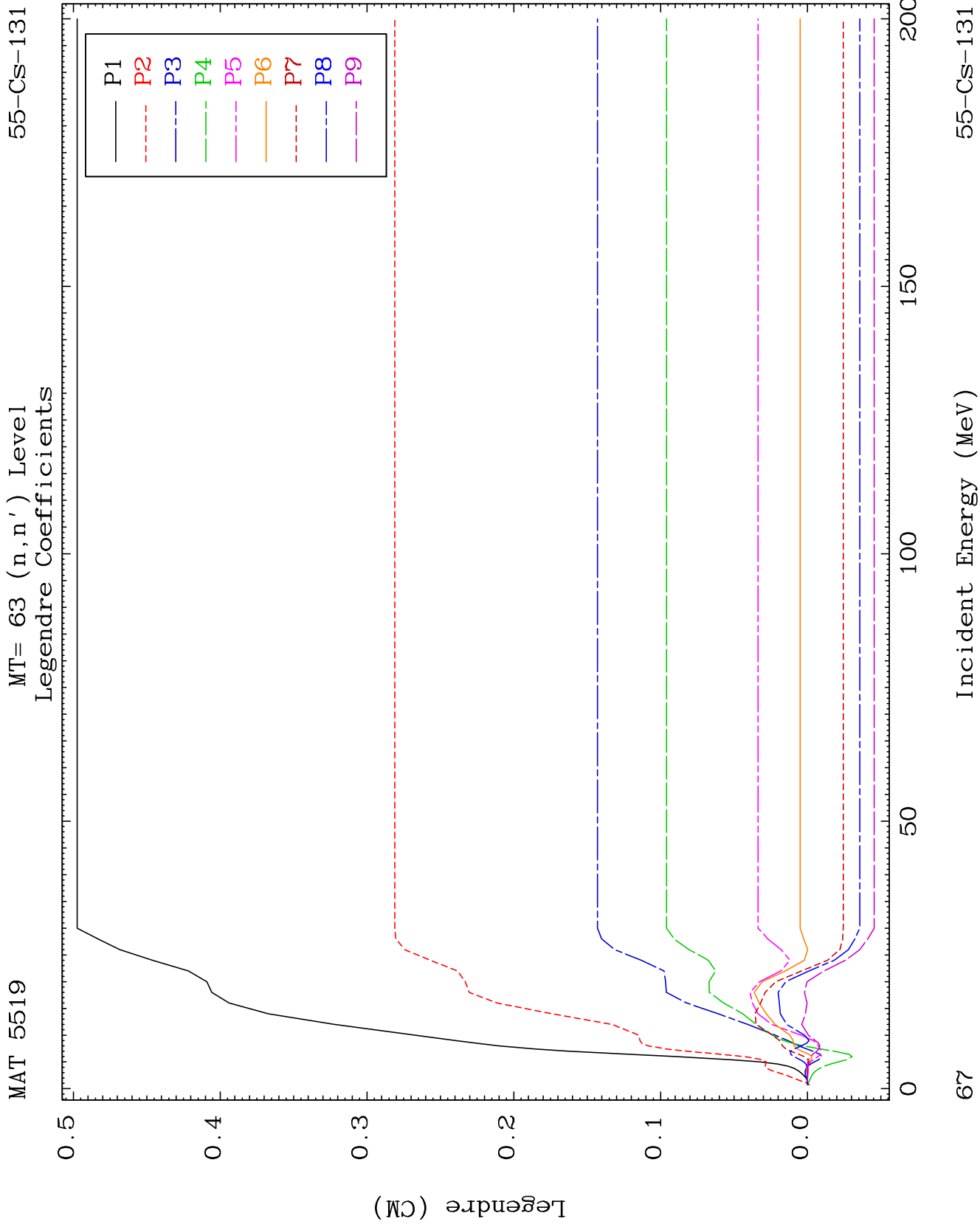








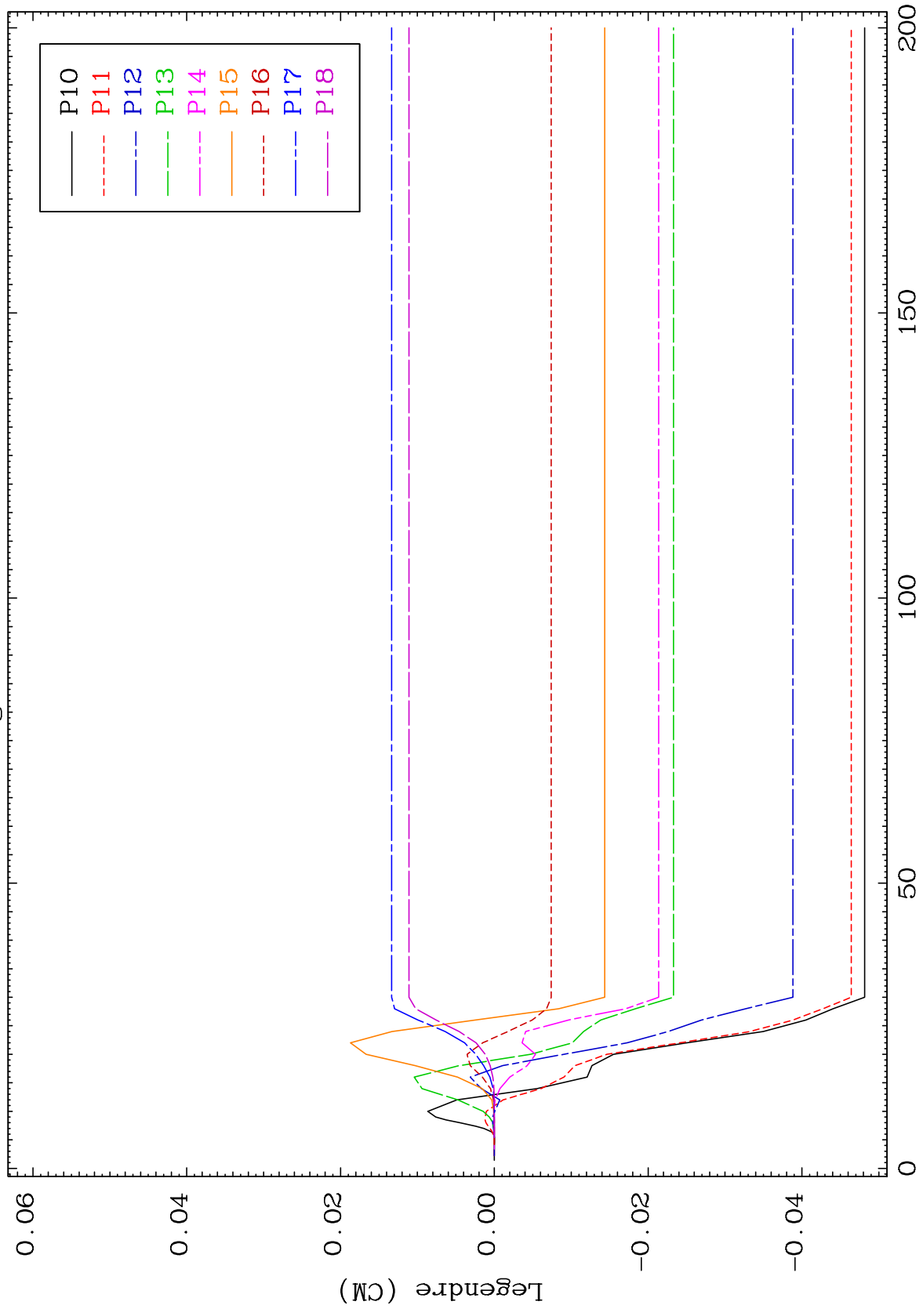




MAT 5519

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

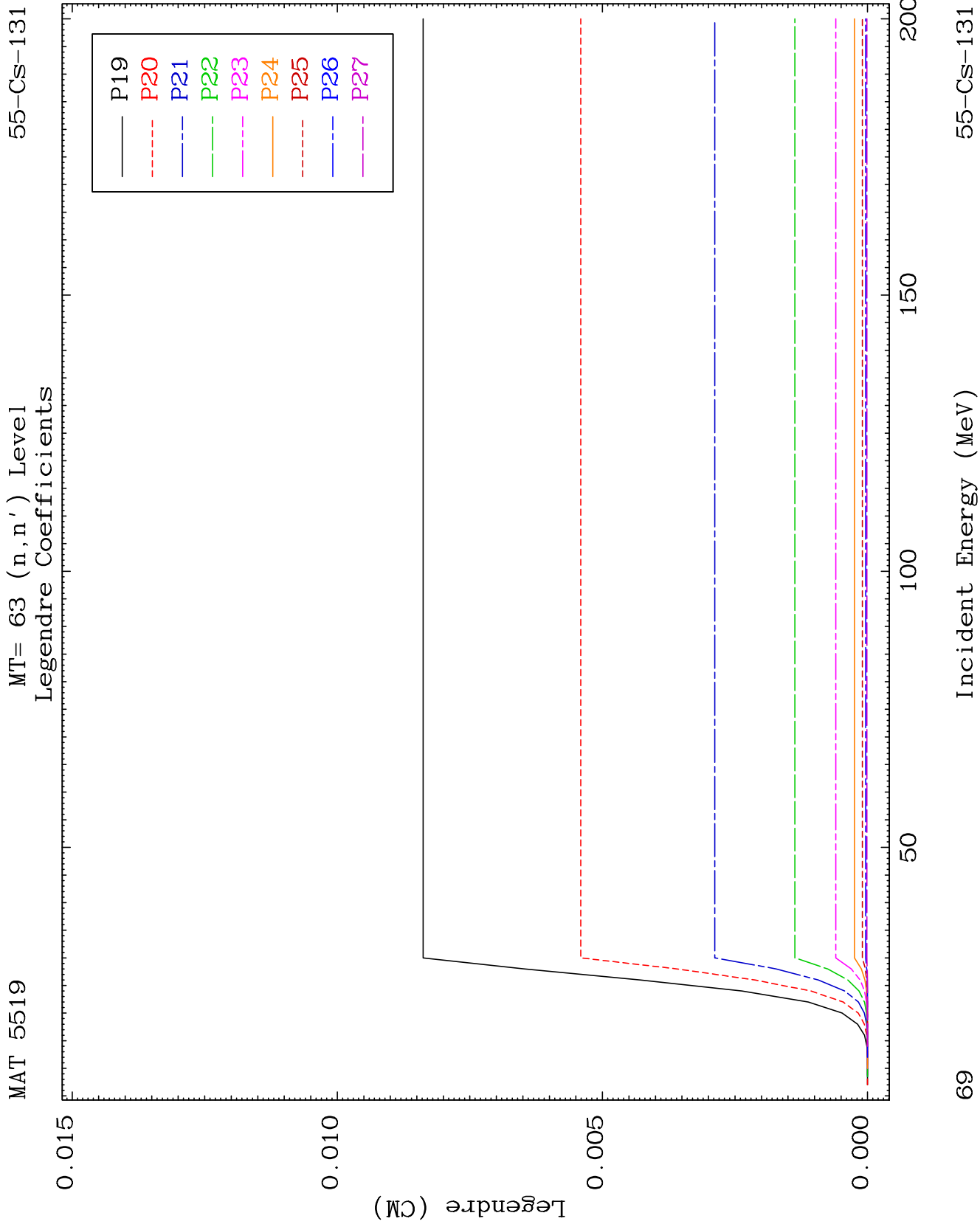
55-CS-131

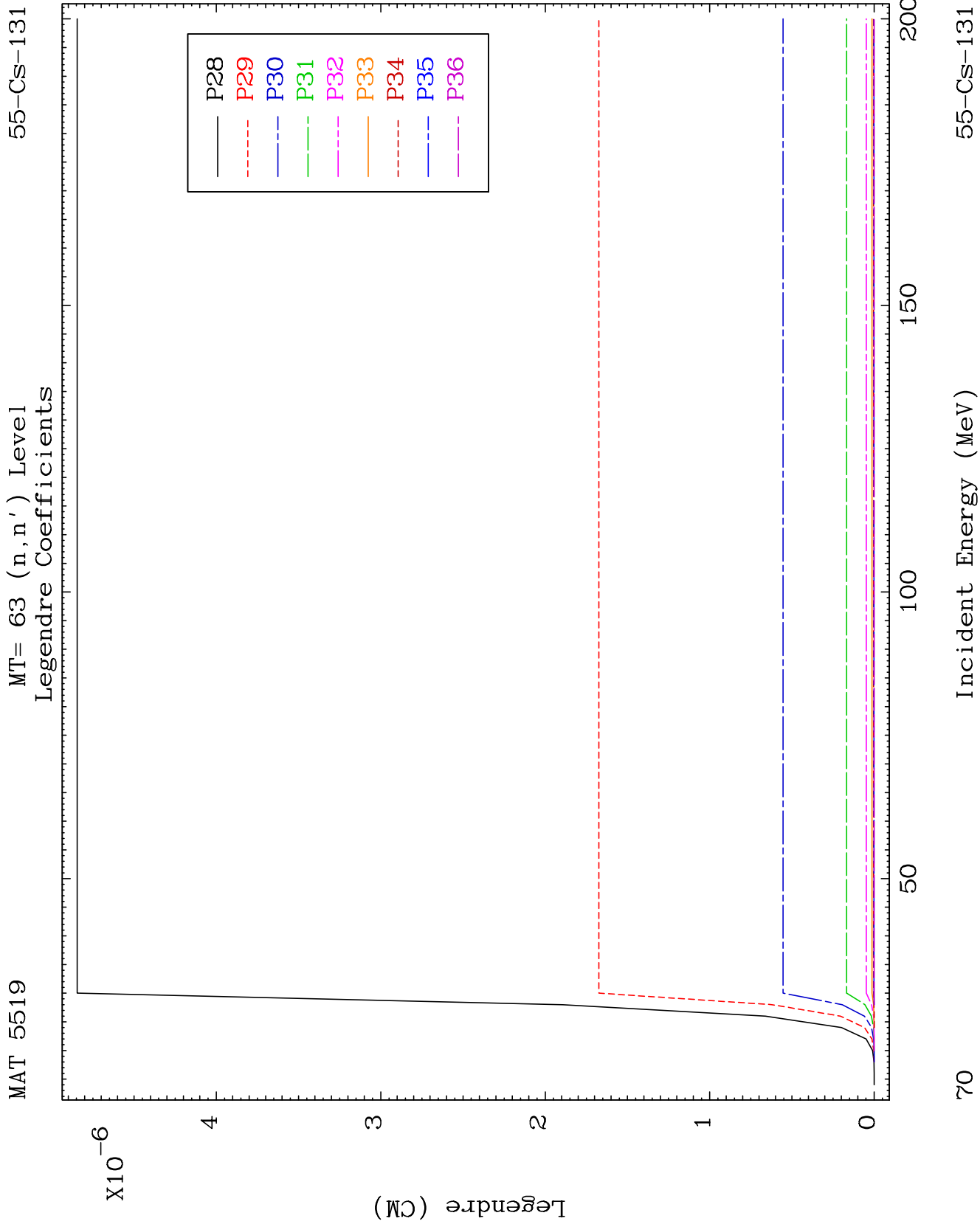


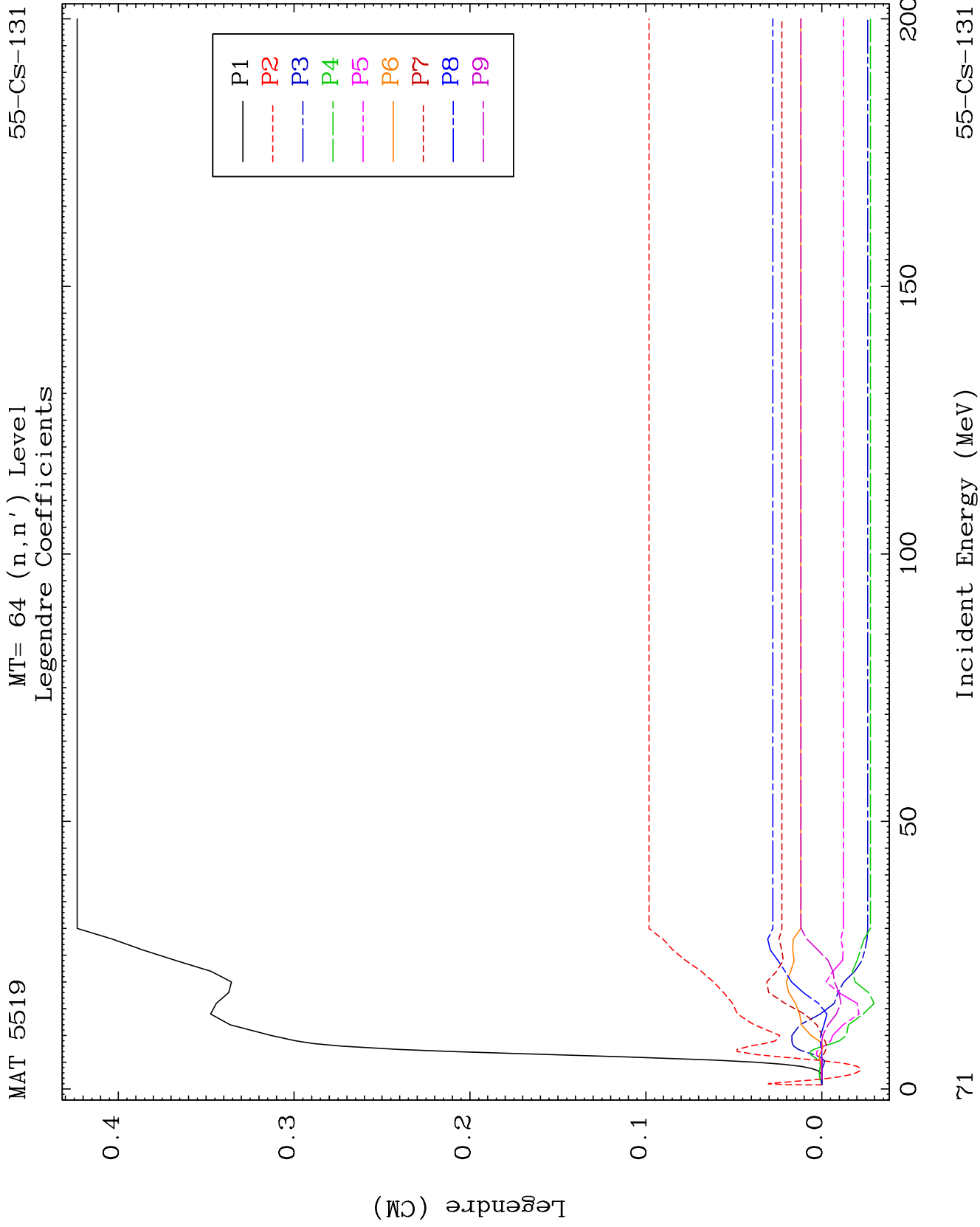
86

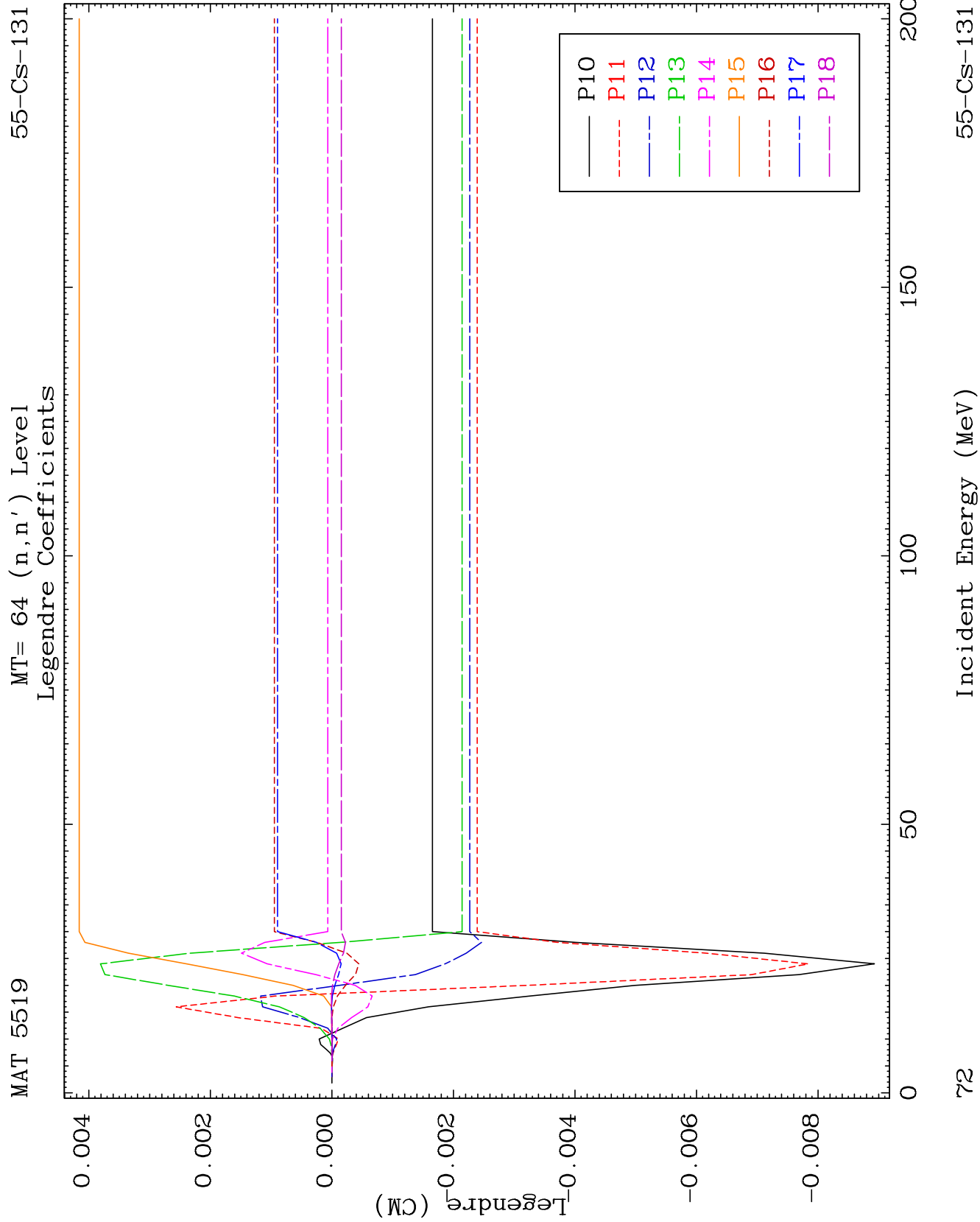
Incident Energy (MeV)

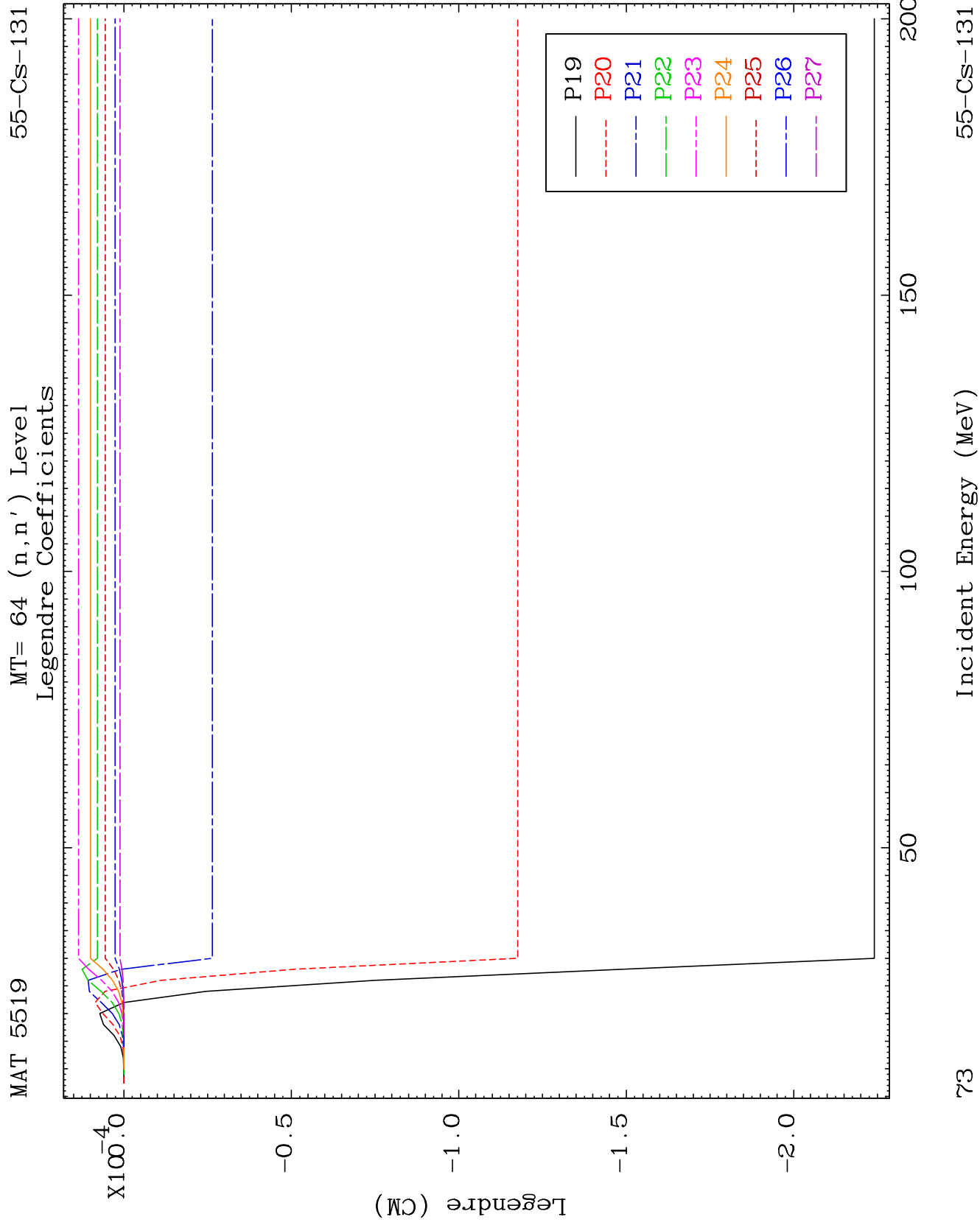
55-CS-131

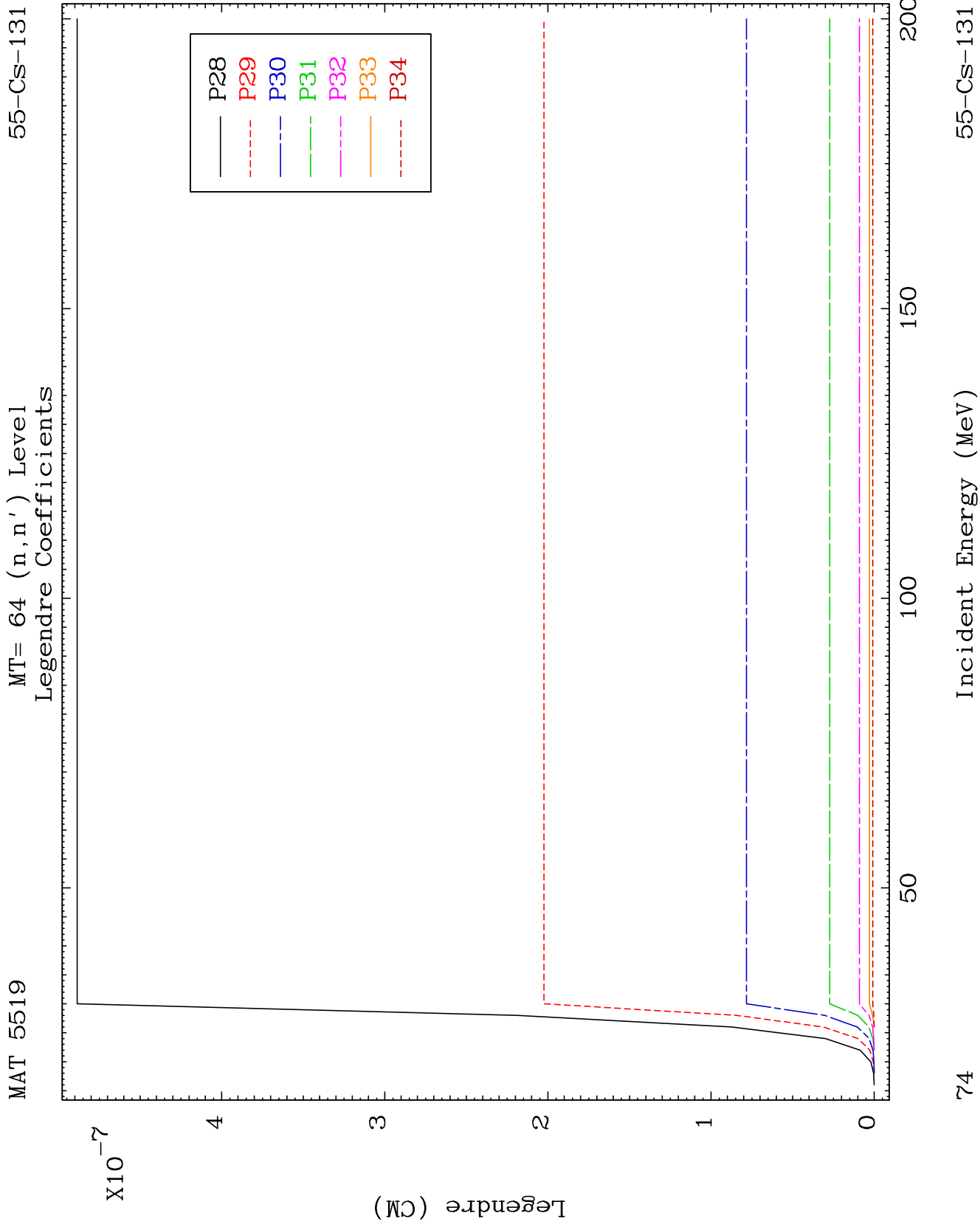


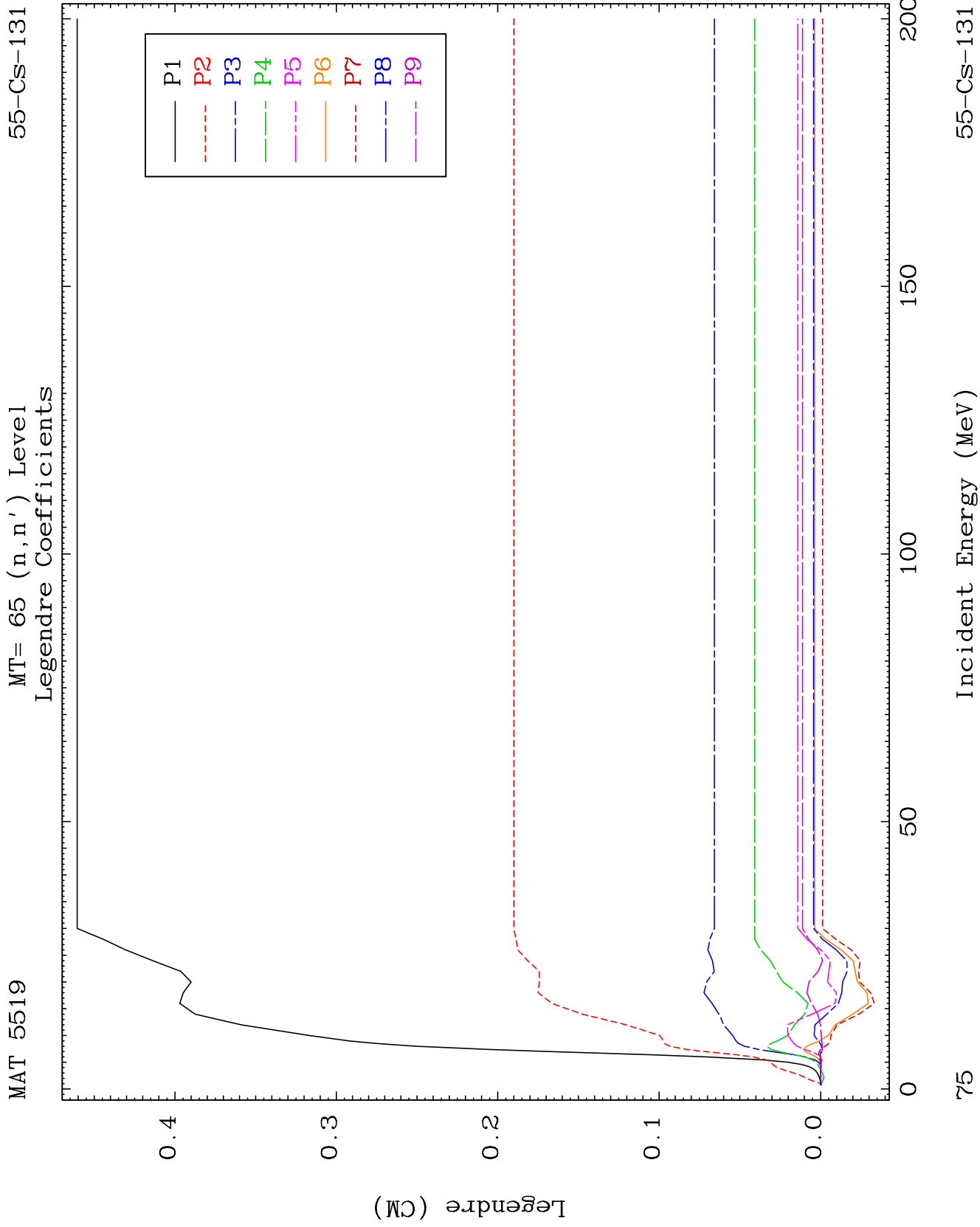


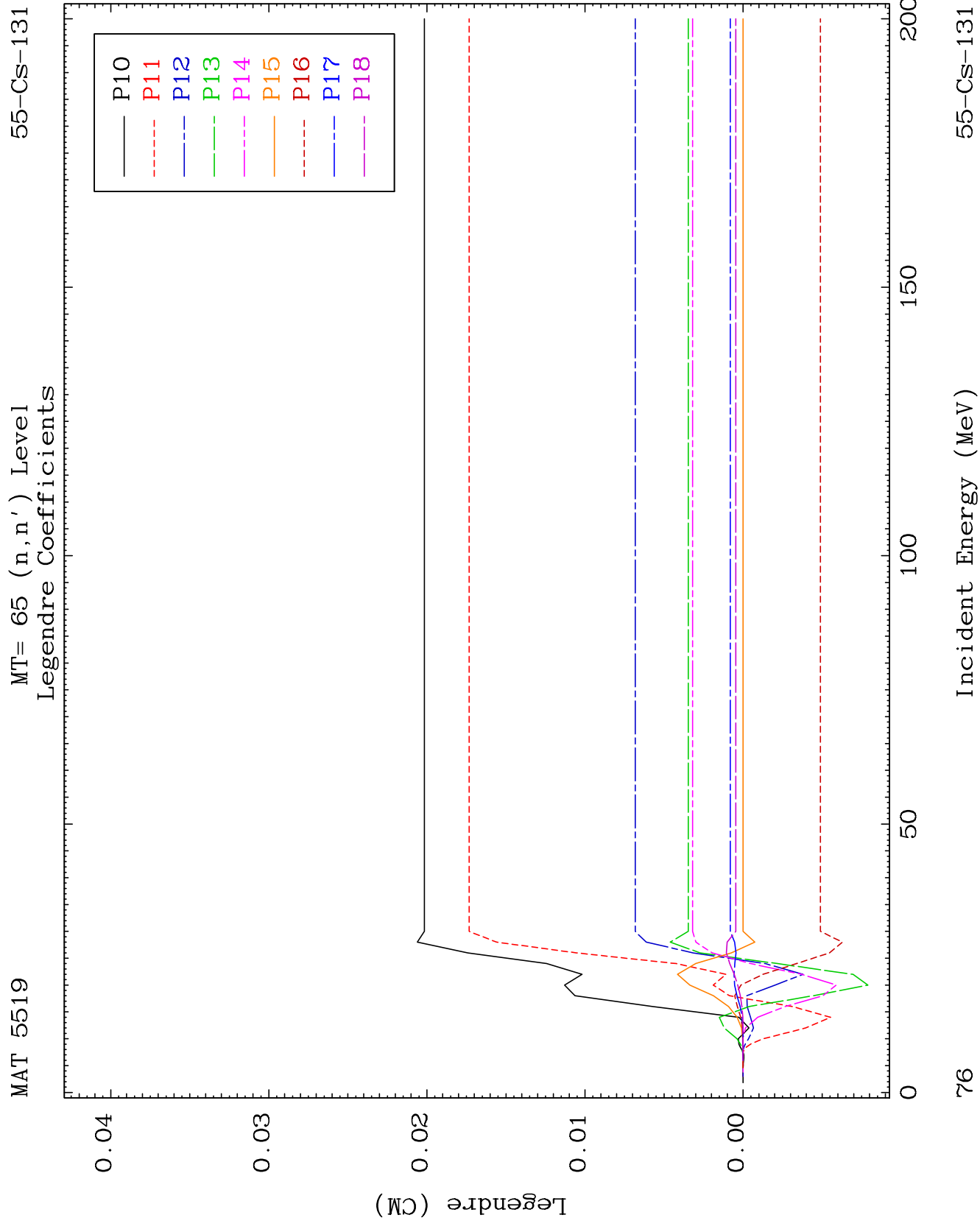


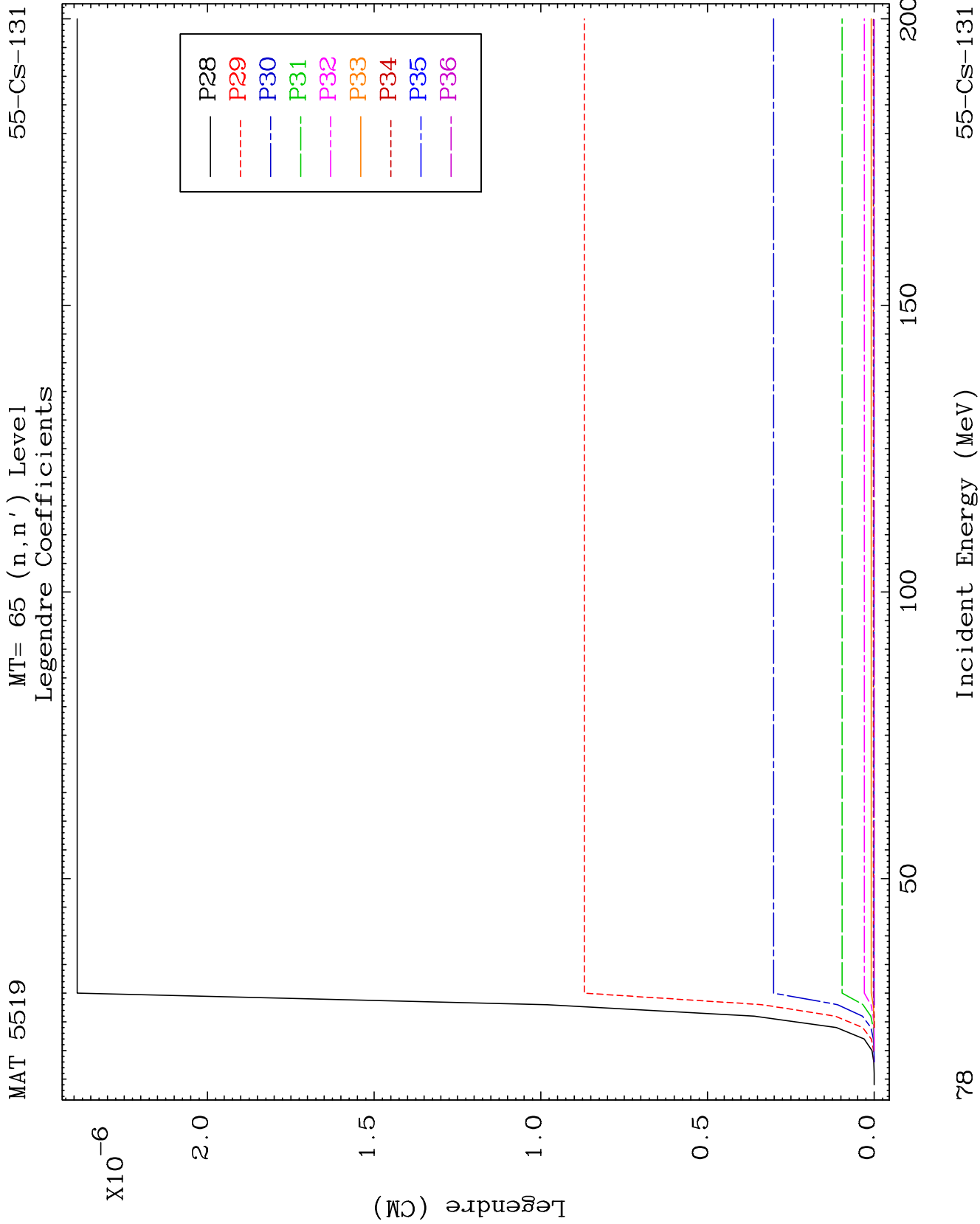


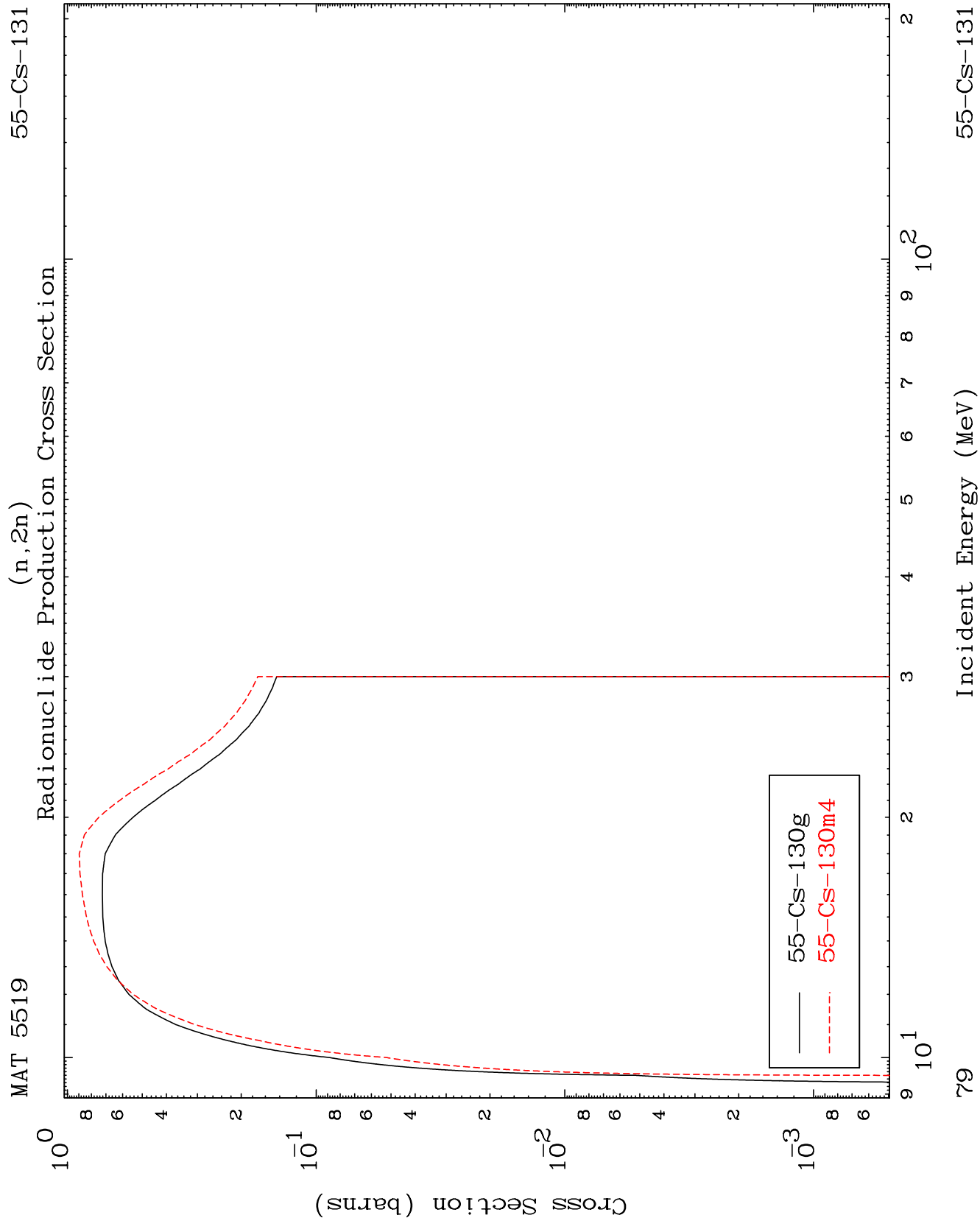










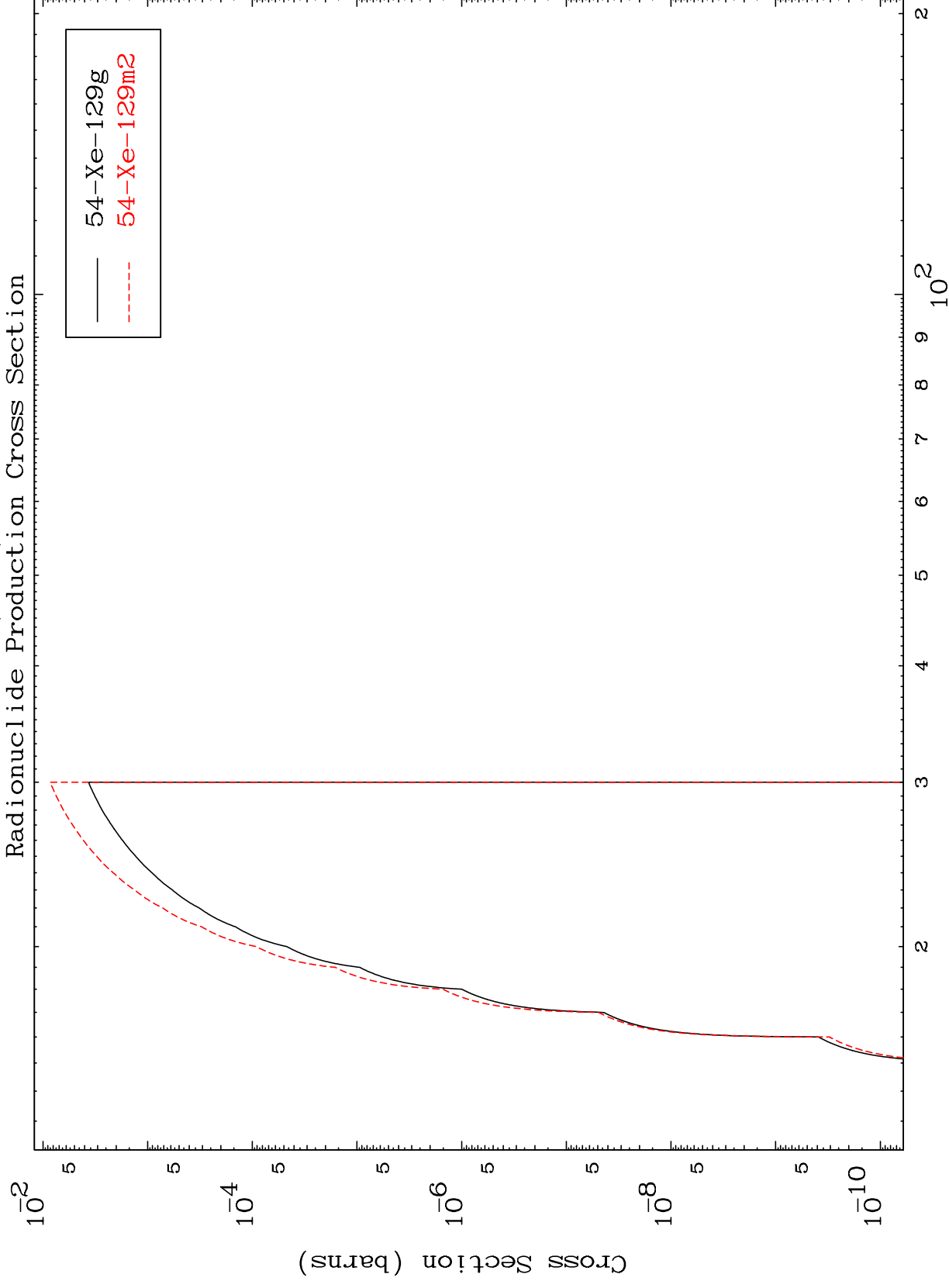


MAT 5519

 (n, n') d

55-CS-131

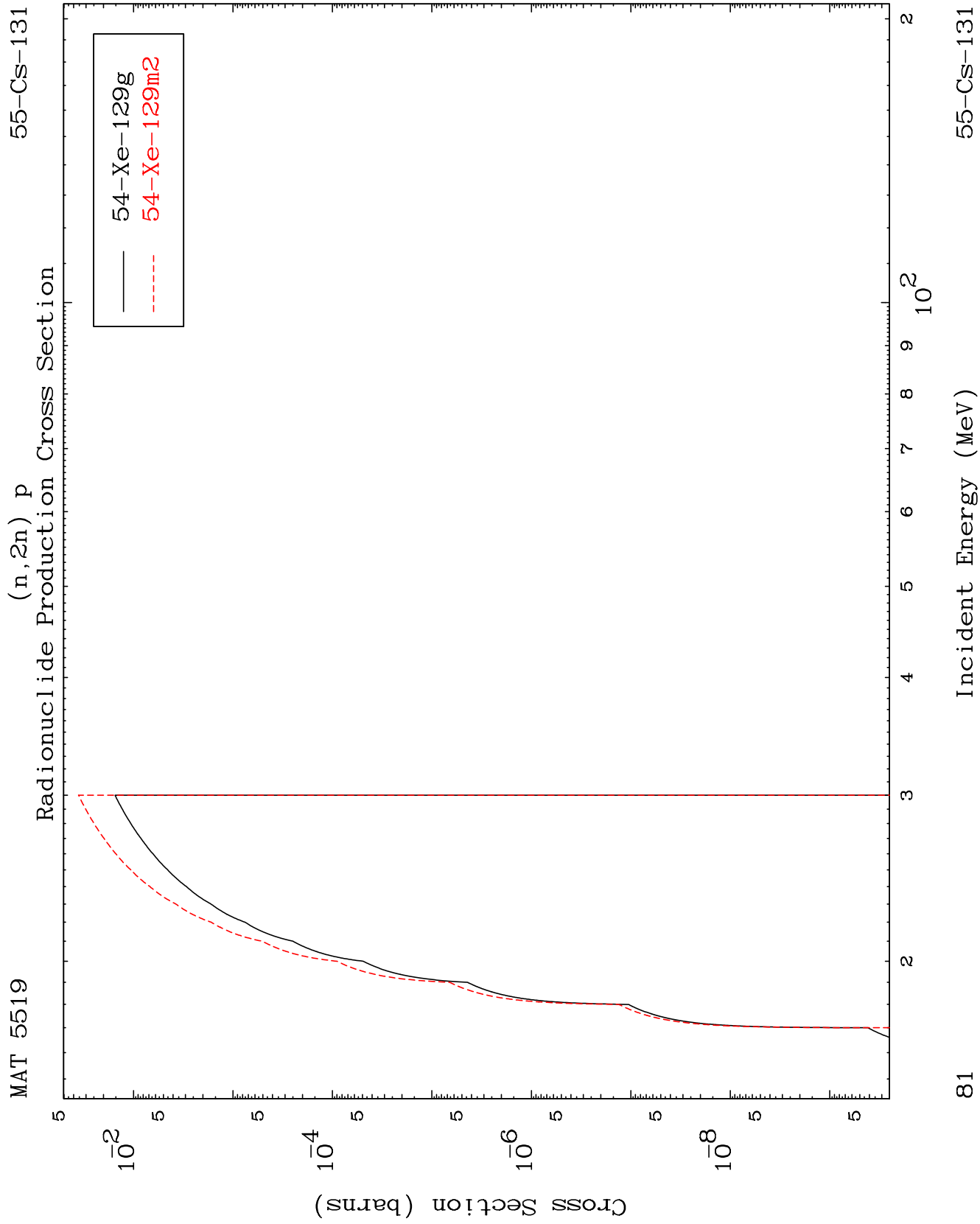
Radionuclide Production Cross Section



00

Incident Energy (MeV)

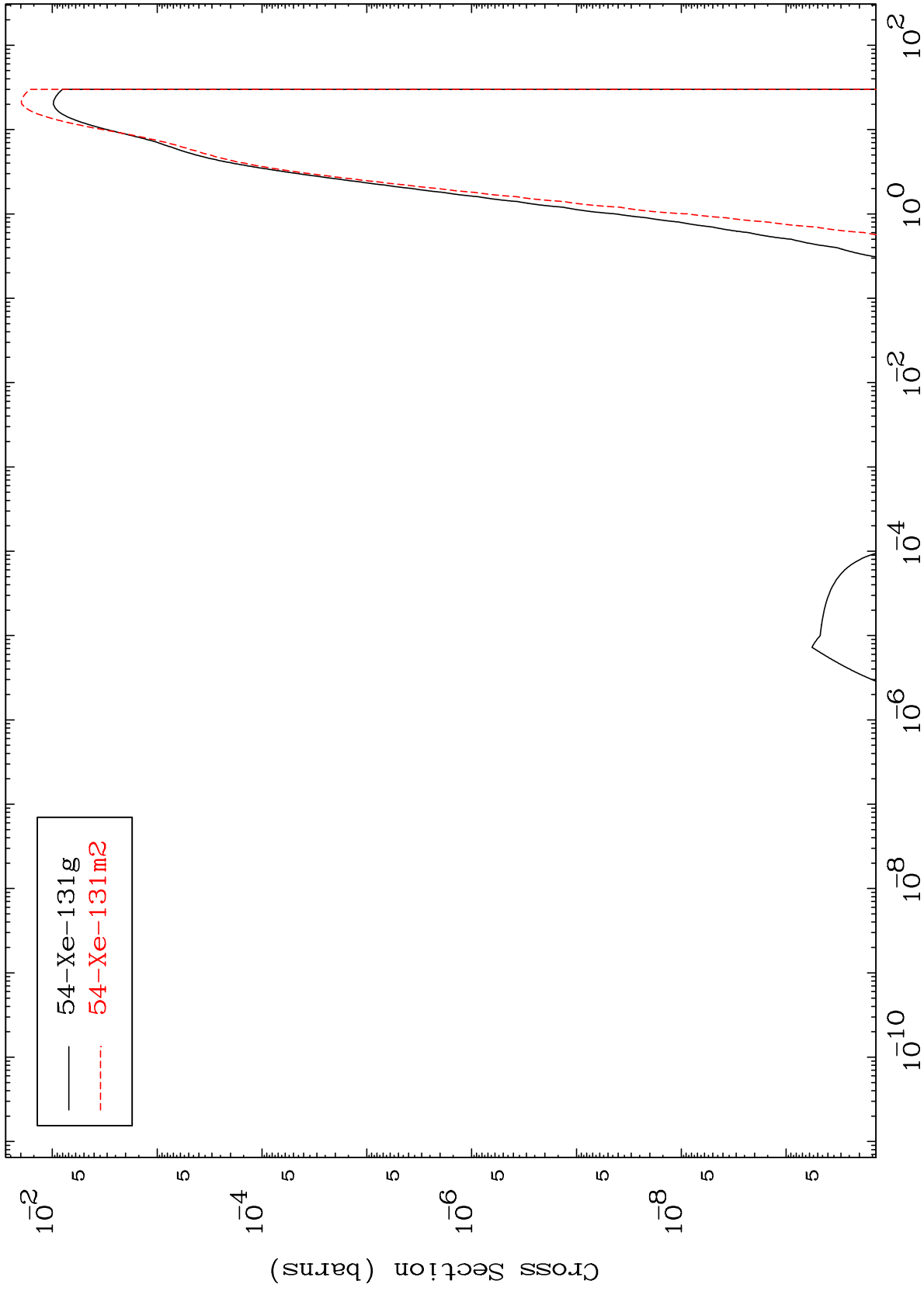
55-CS-131



MAT 5519

(n,p)
Radionuclide Production Cross Section

55-Cs-131



82

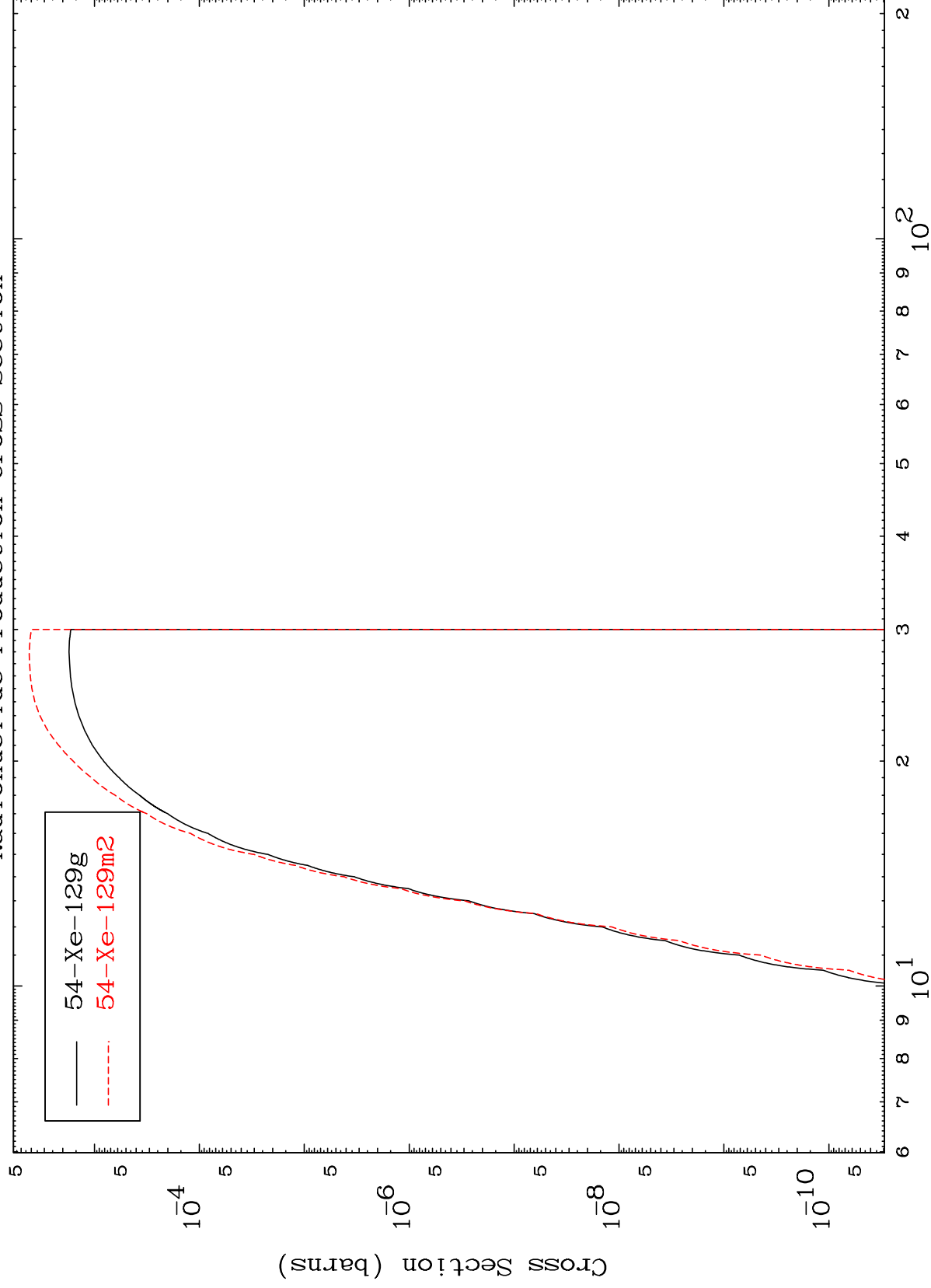
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,t)
Radionuclide Production Cross Section



83

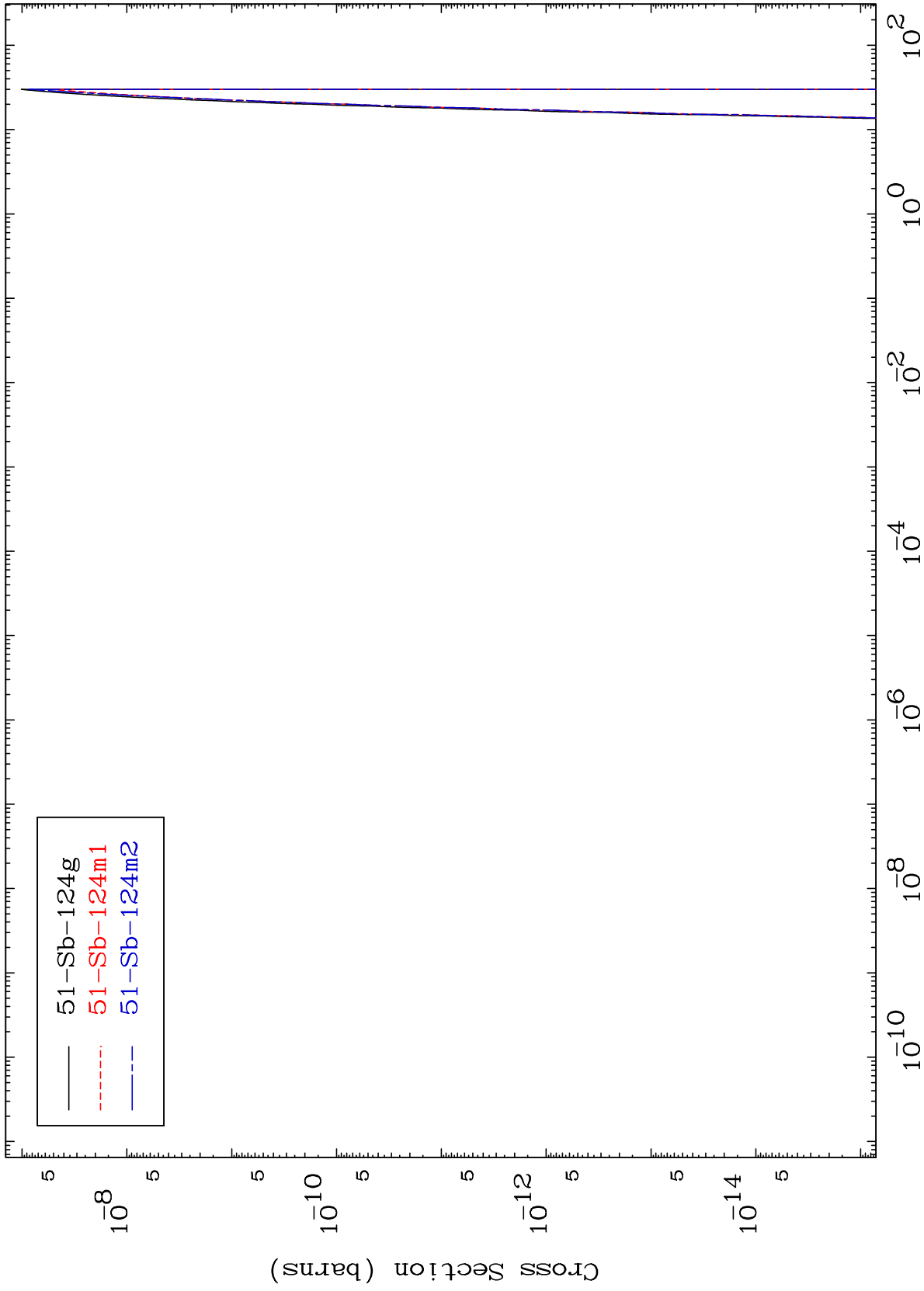
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,2α)
Radionuclide Production Cross Section

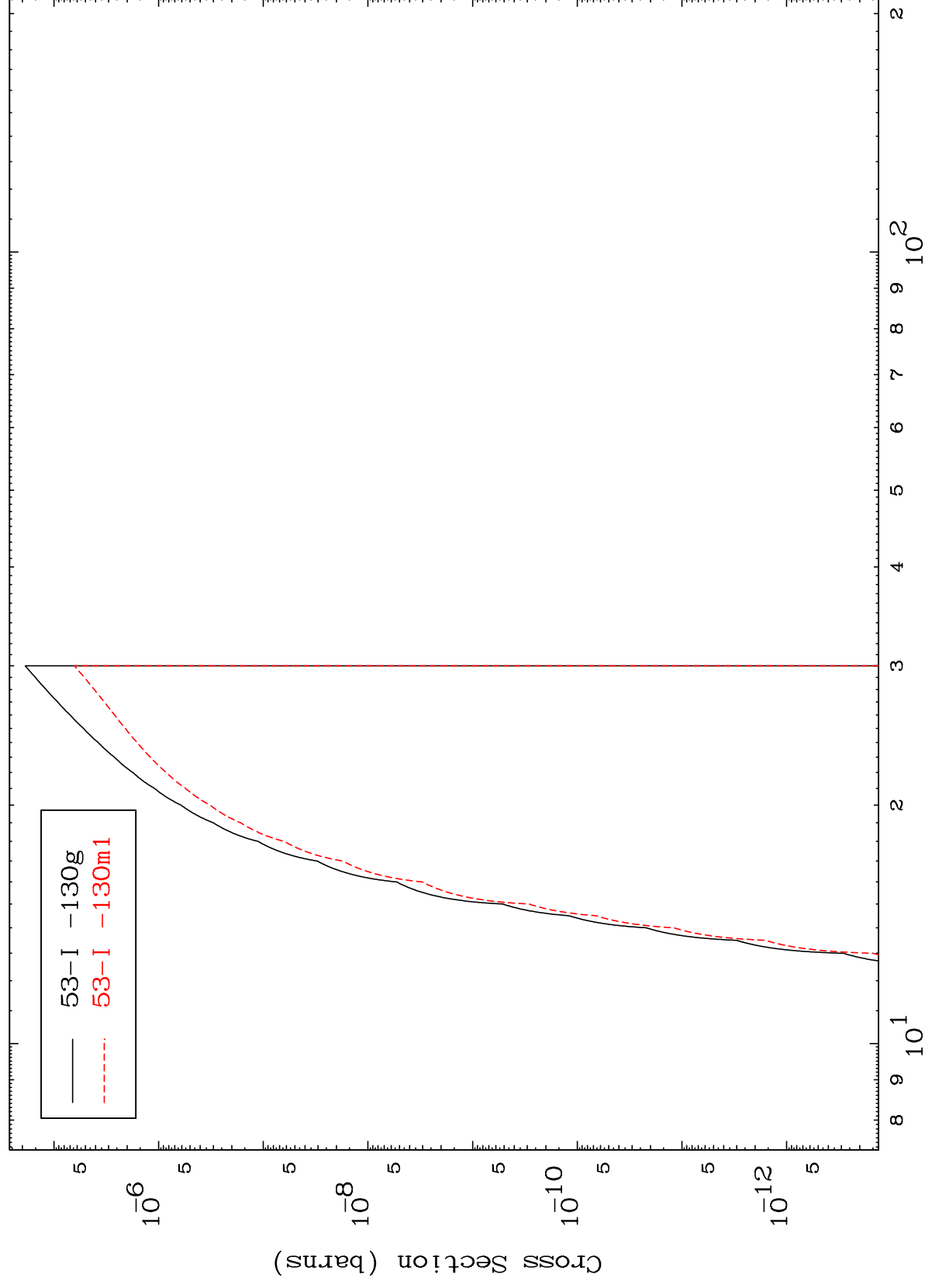


84

55-Cs-131

MAT 5519

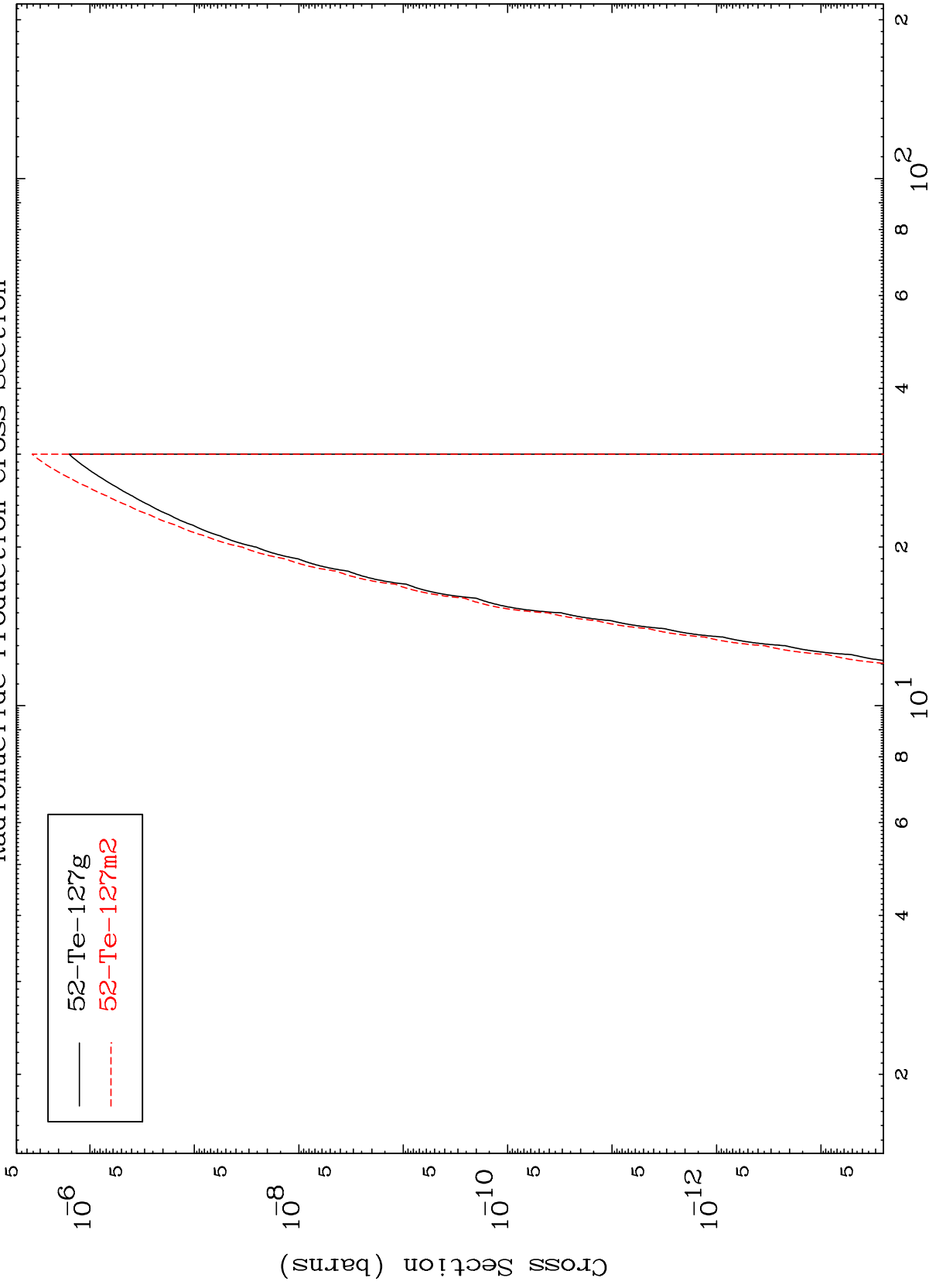
55-Cs-131

Radionuclide Production Cross Section
(n, 2p) $(n, 2p)$ 

MAT 5519

55-Cs-131

(n,p) α
Radionuclide Production Cross Section



86

Incident Energy (MeV)

55-Cs-131