

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

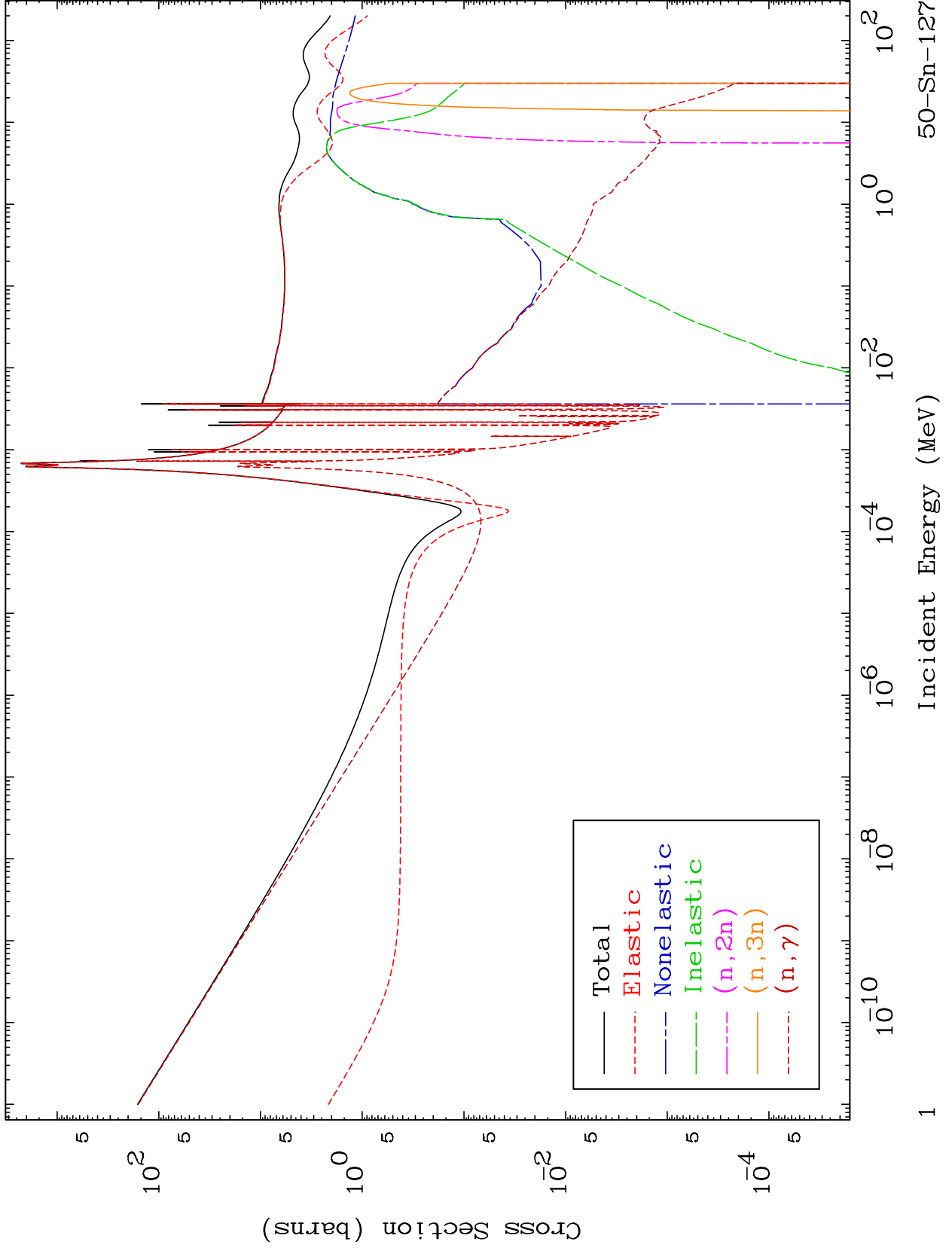
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5070

Neutron Major
293 Kelvin Cross Sections

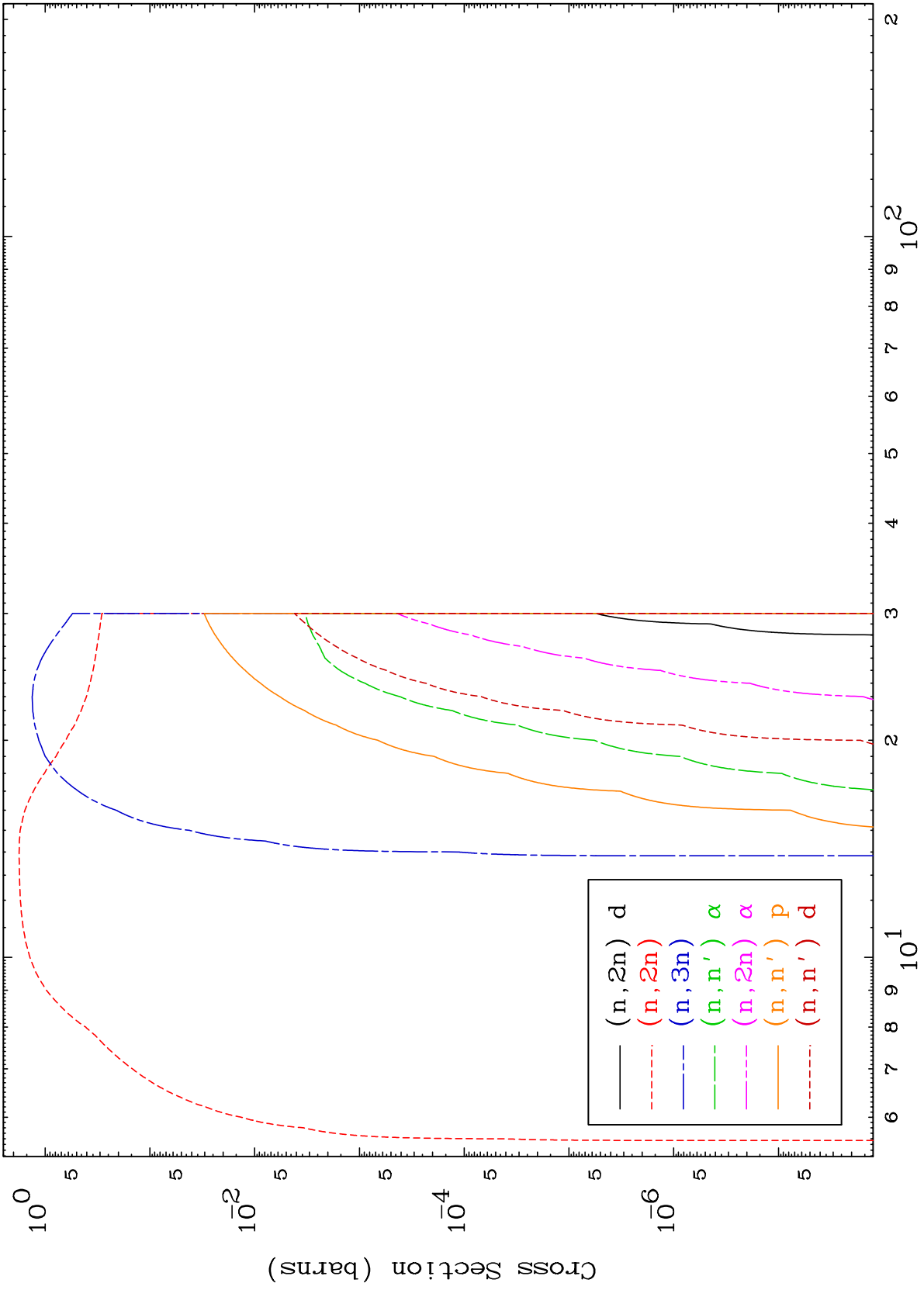
50-Sn-127



MAT 5070

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-127



2

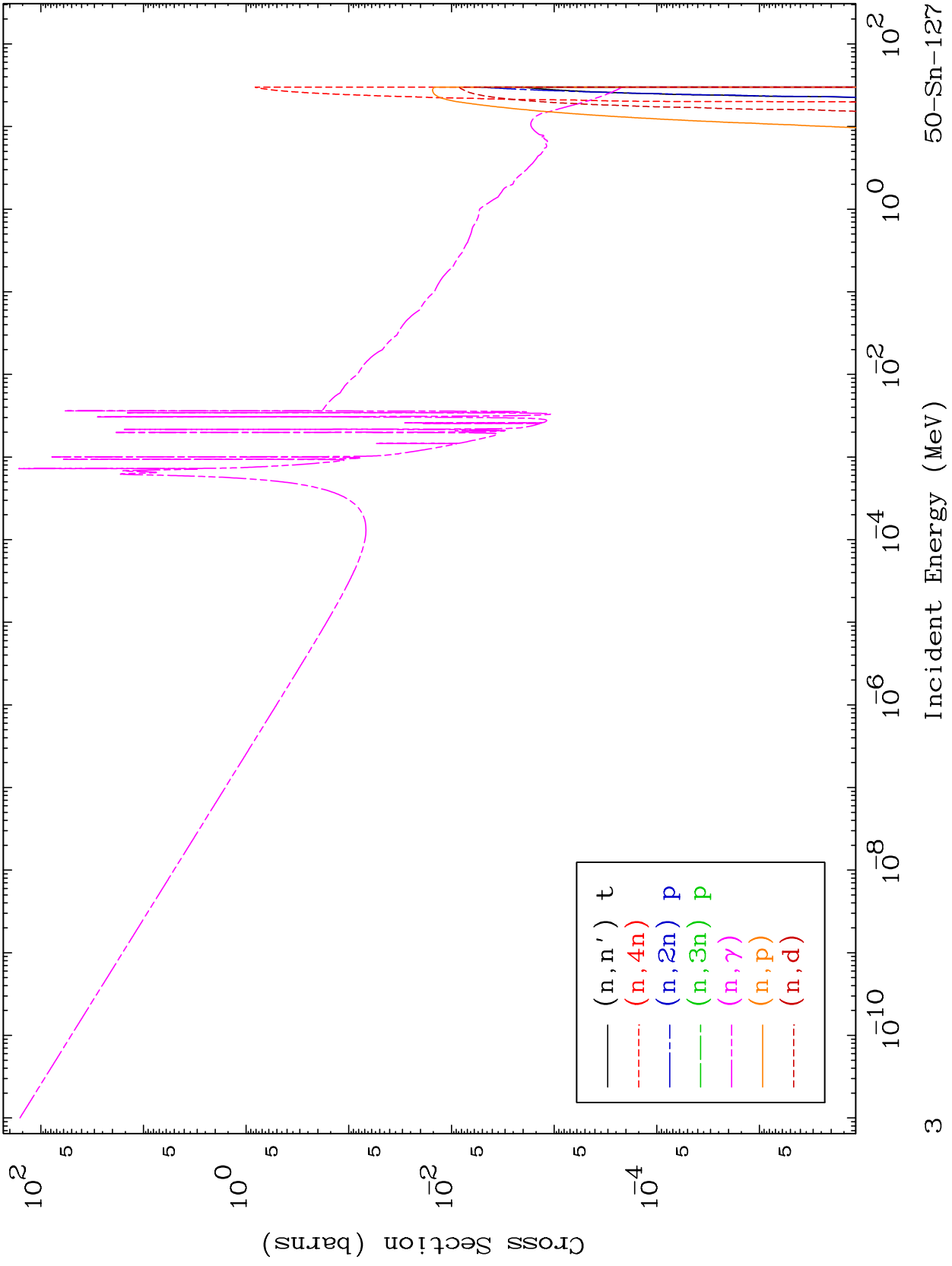
Incident Energy (MeV)

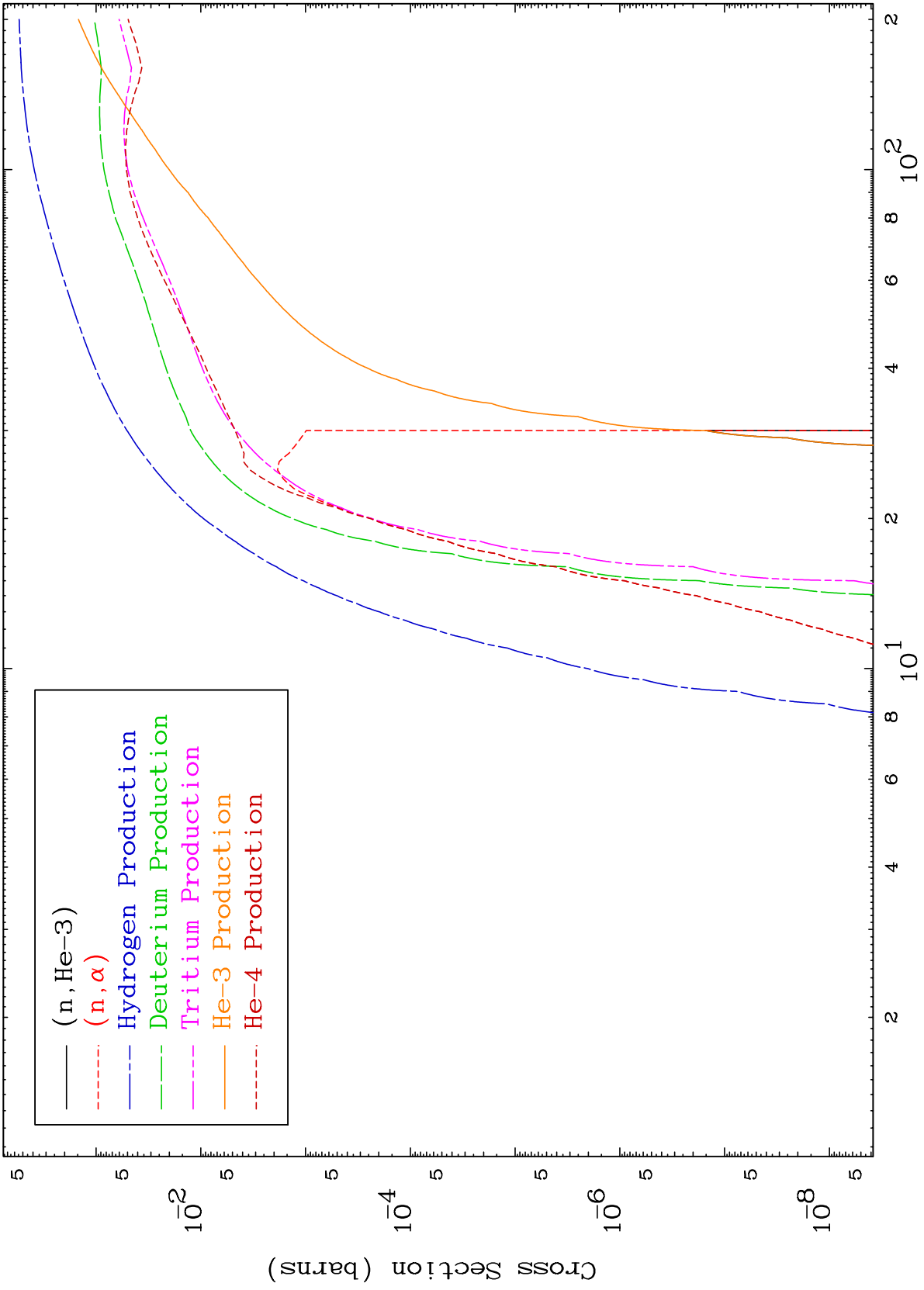
50-Sn-127

MAT 5070

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-127

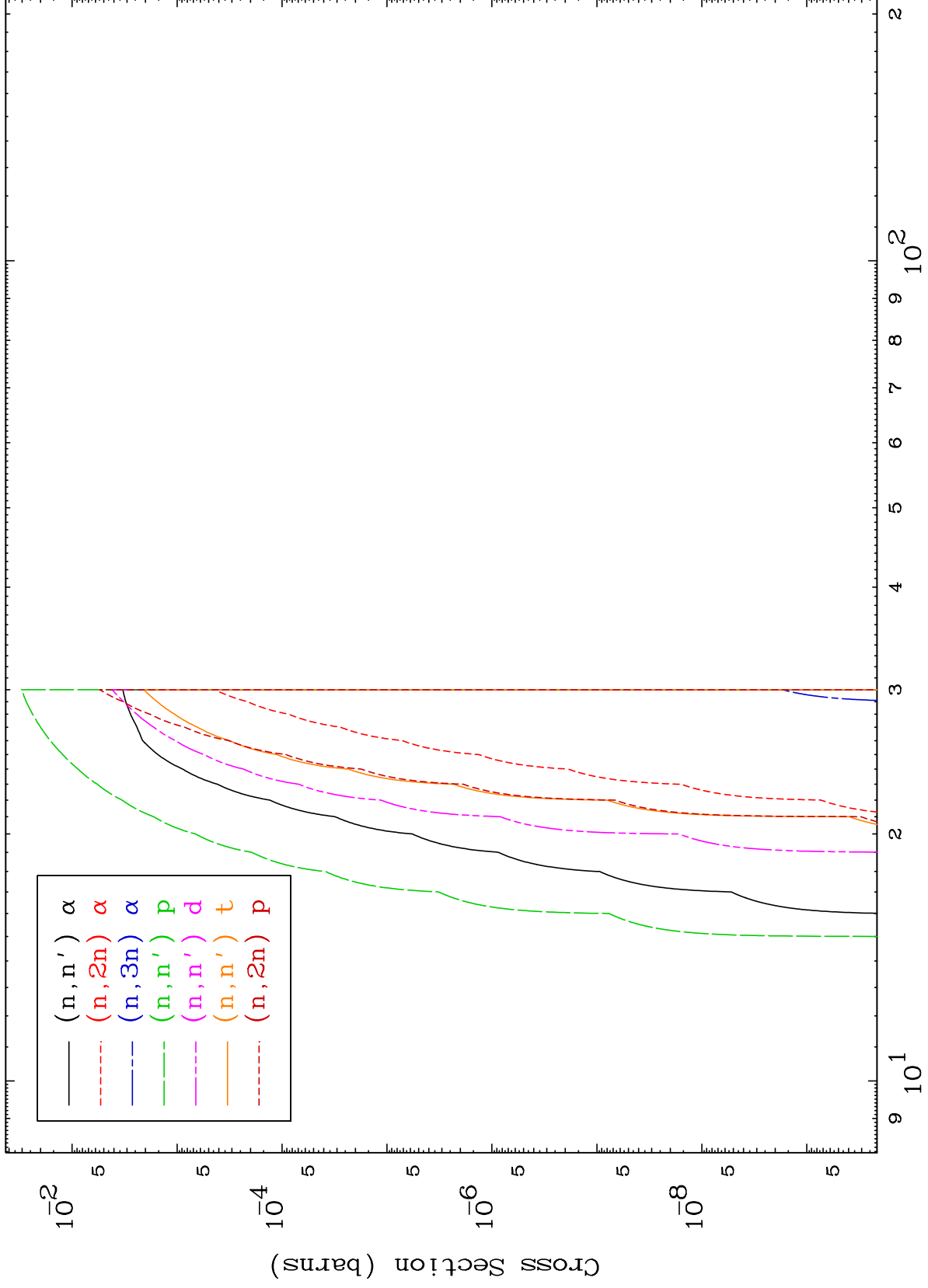




MAT 5070

Charged Particle
293 Kelvin Cross Sections

50-Sn-127



5

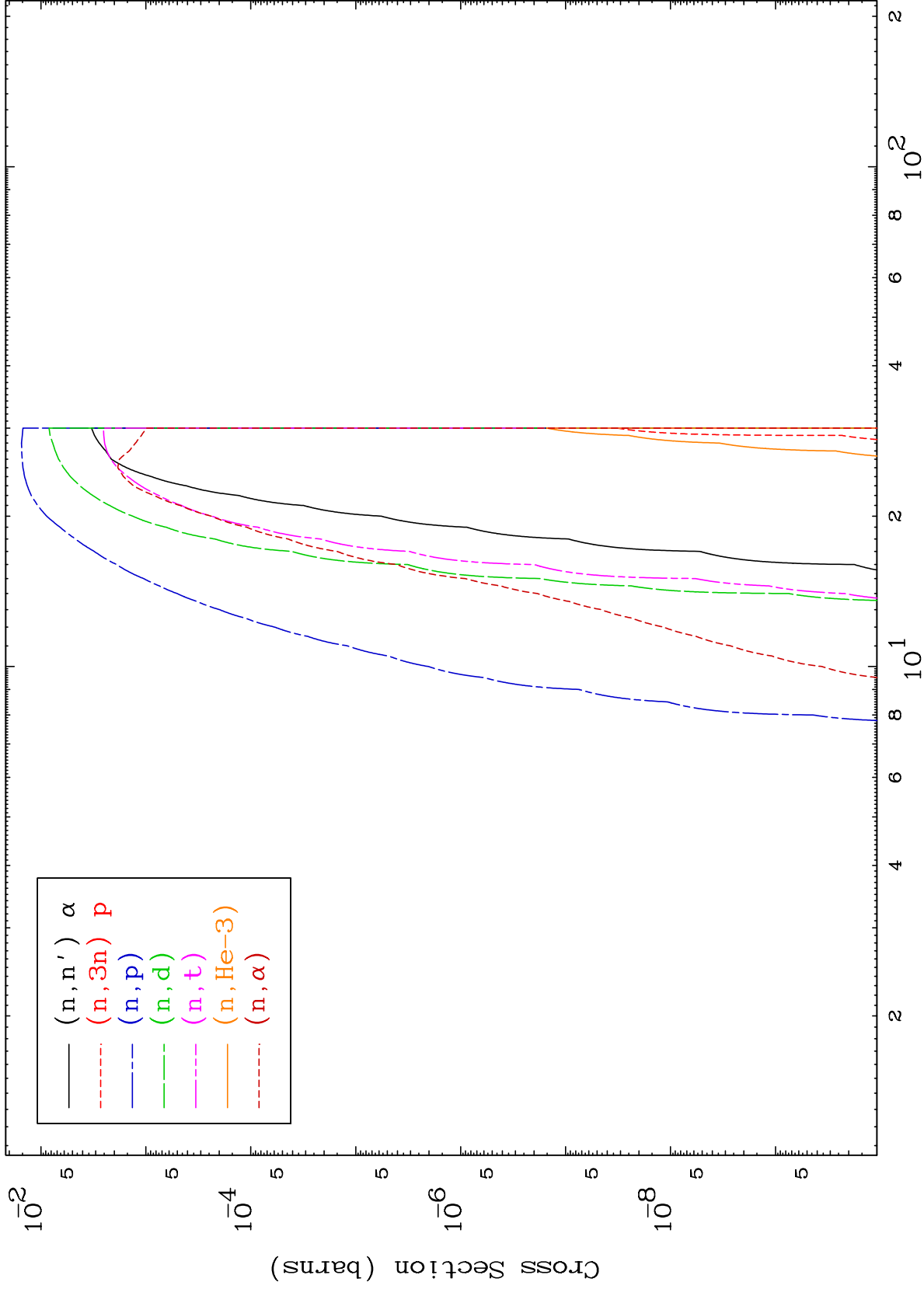
Incident Energy (MeV)

50-Sn-127

MAT 5070

Charged Particle
293 Kelvin Cross Sections

50-Sn-127



6

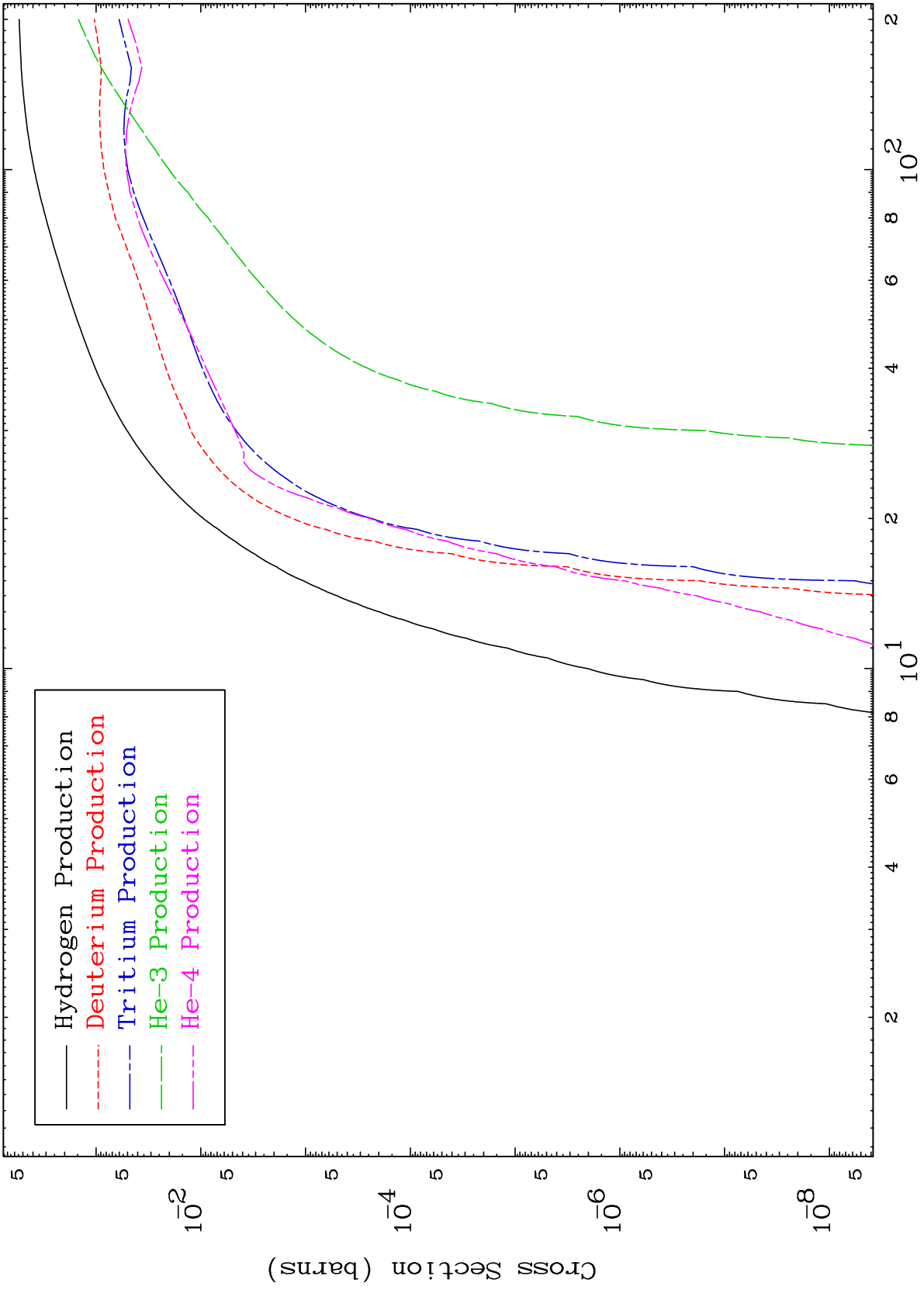
Incident Energy (MeV)

50-Sn-127

MAT 5070

Particle Production
293 Kelvin Cross Sections

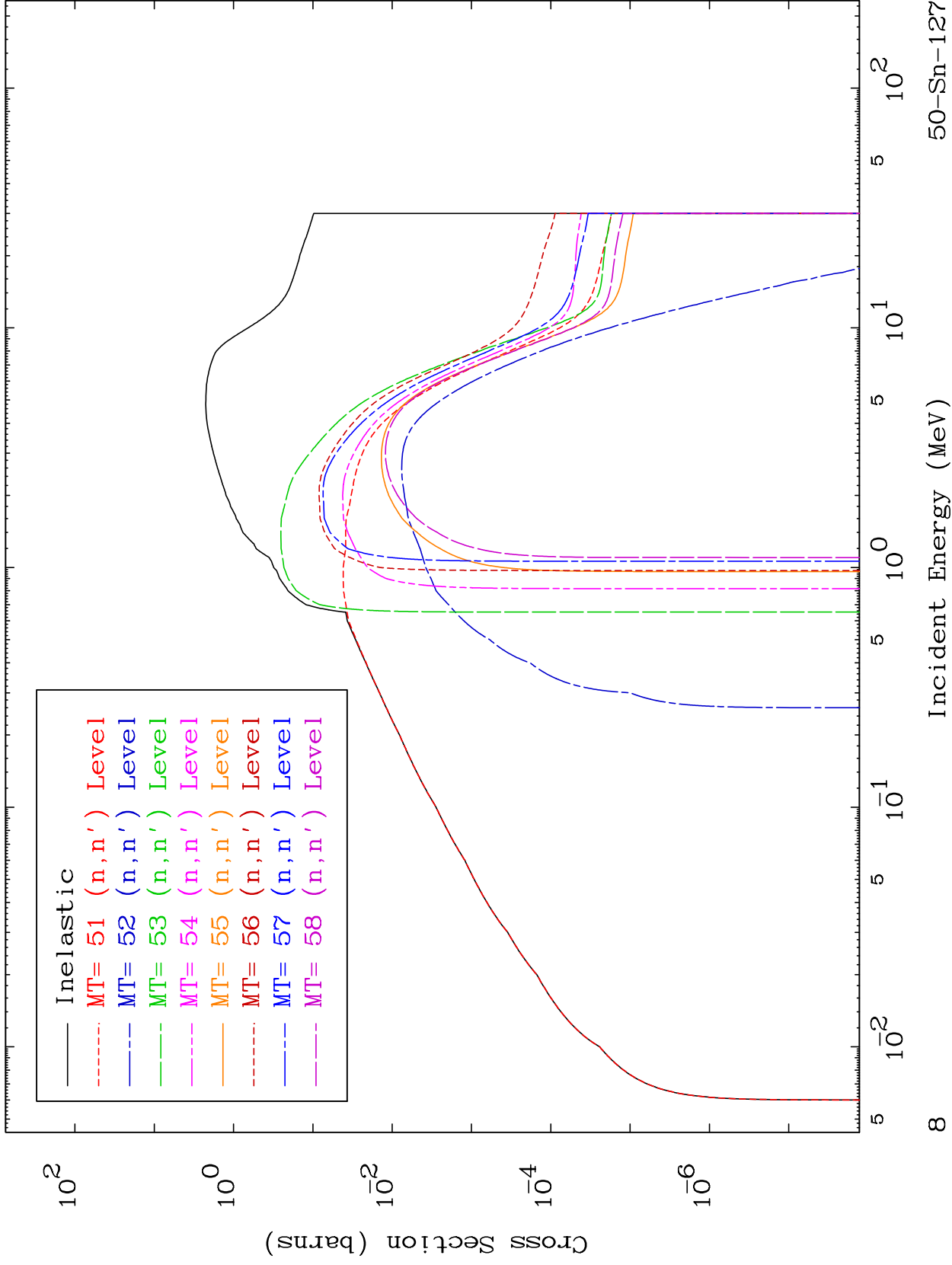
50-Sn-127



MAT 5070

(n,n') Levels
293 Kelvin Cross Sections

50-Sn-127



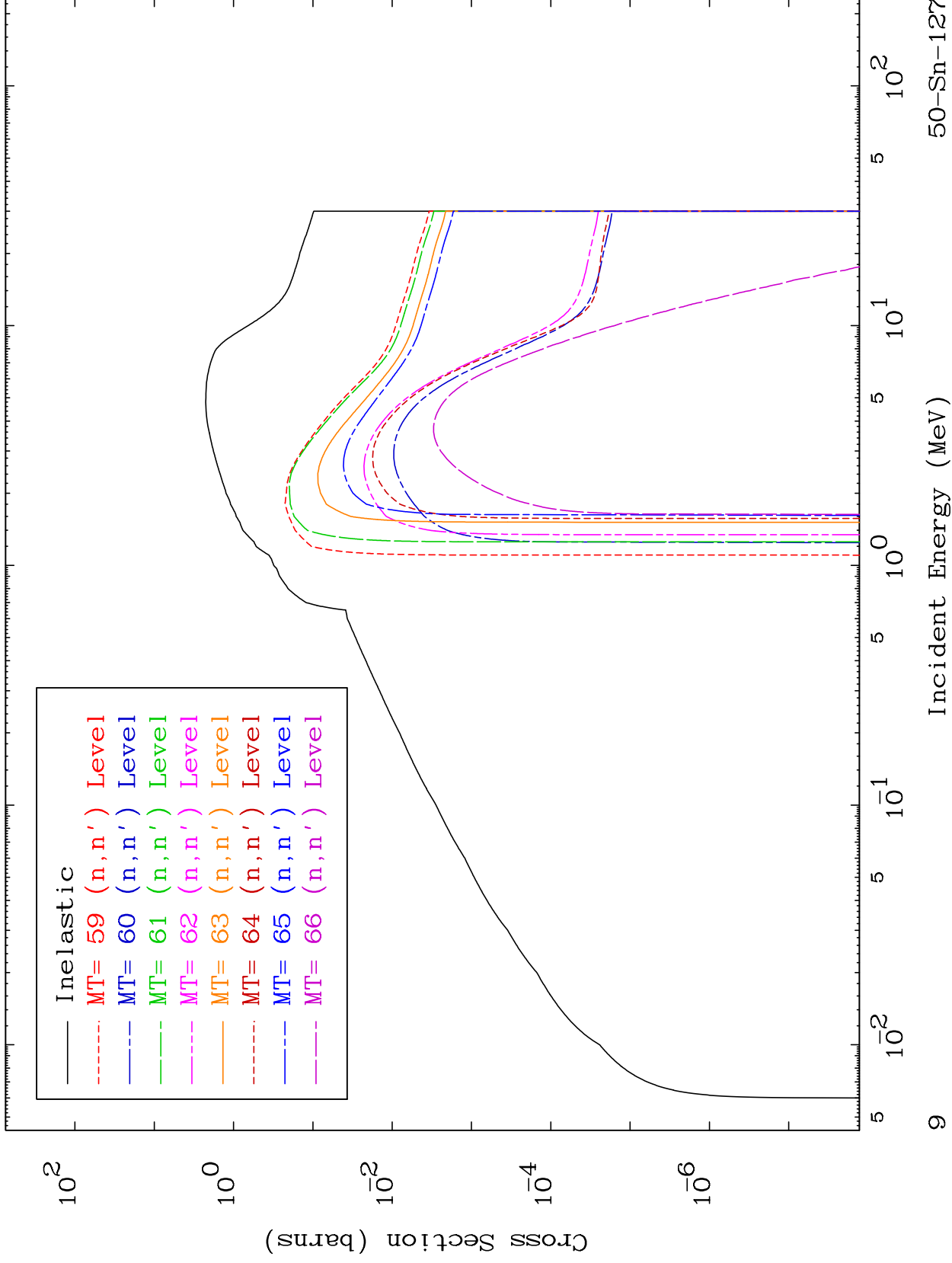
8

50-Sn-127

MAT 5070

(n,n') Levels
293 Kelvin Cross Sections

50-Sn-127



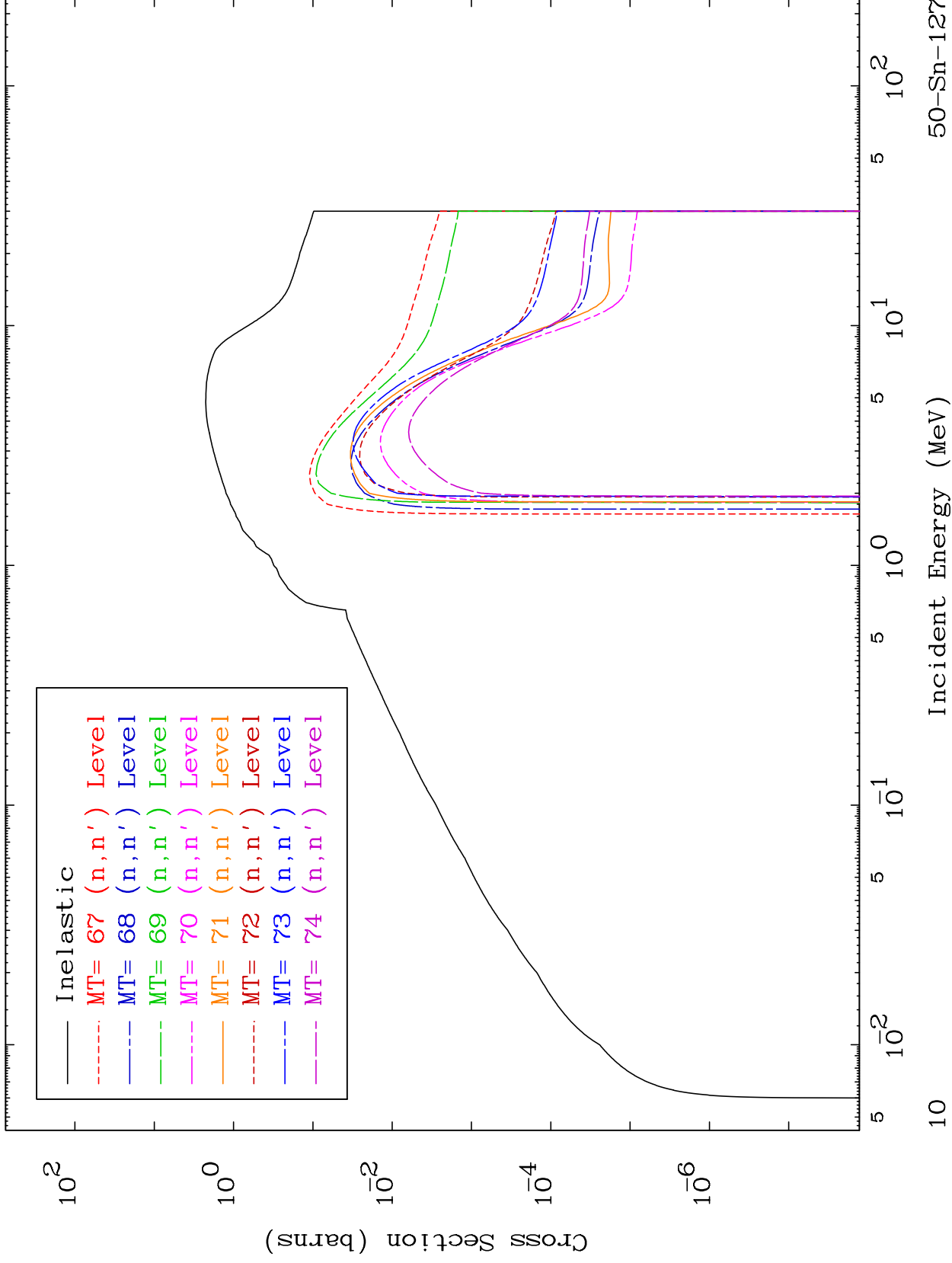
9

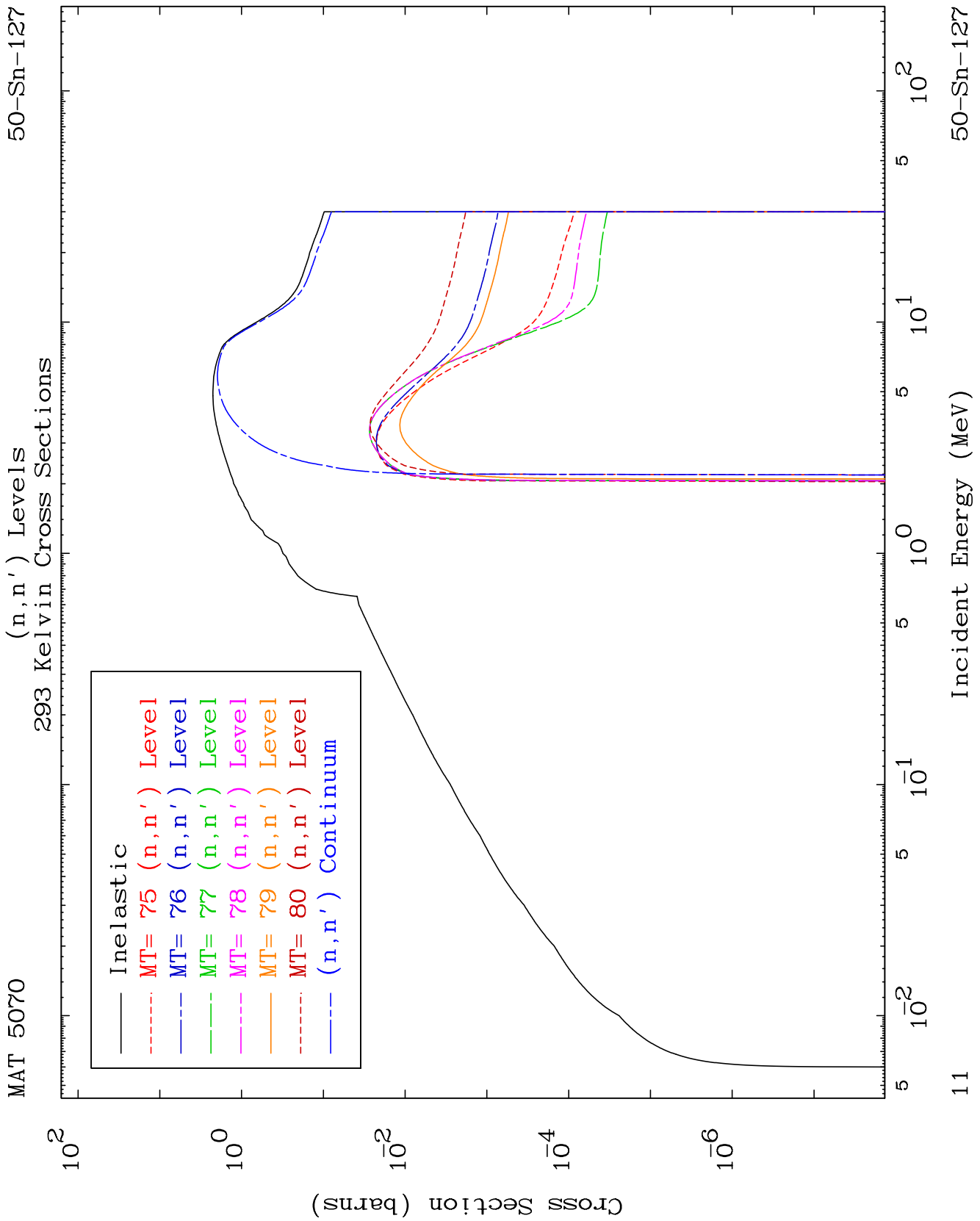
50-Sn-127

MAT 5070

(n,n') Levels
293 Kelvin Cross Sections

50-Sn-127

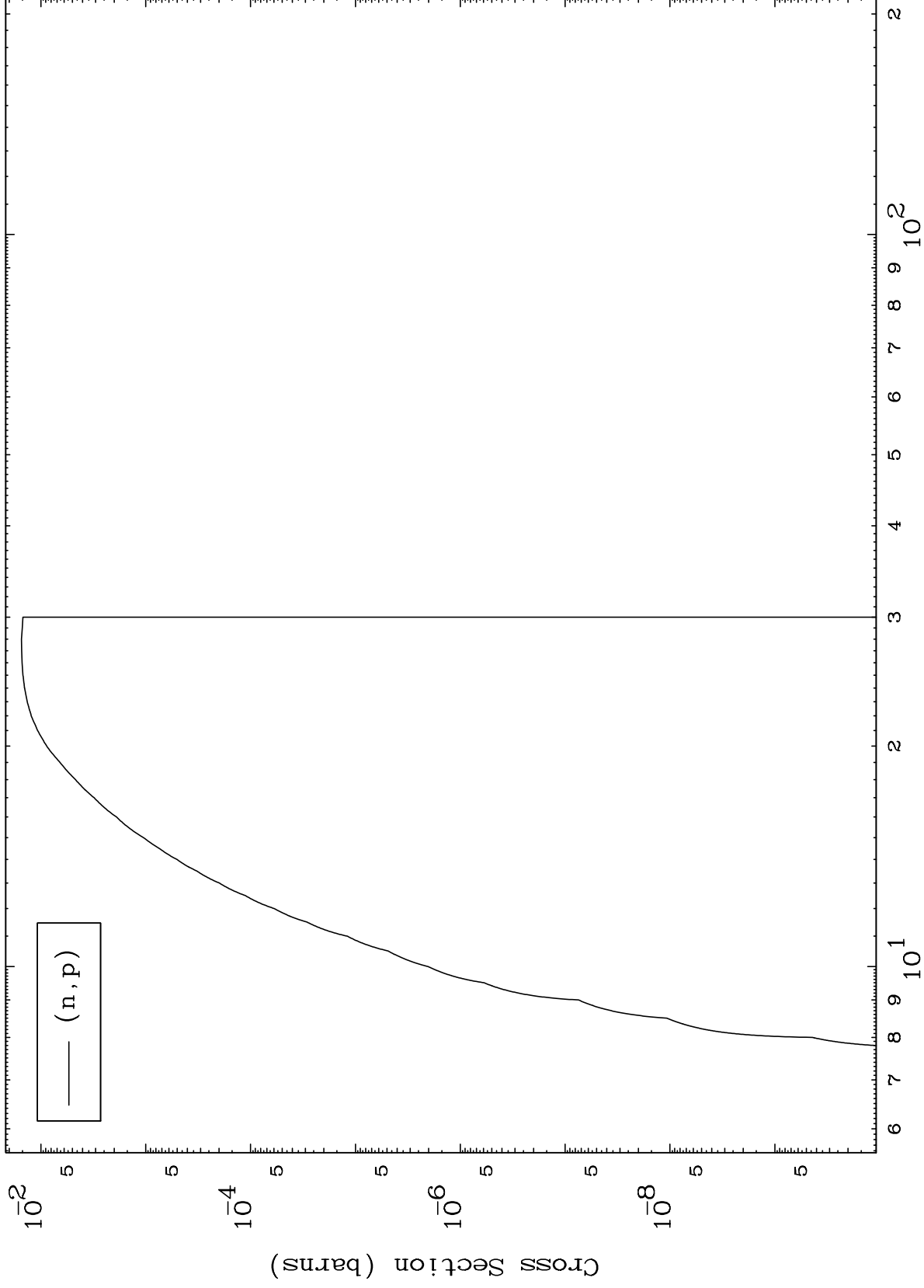




MAT 5070

(n,p) Levels
293 Kelvin Cross Sections

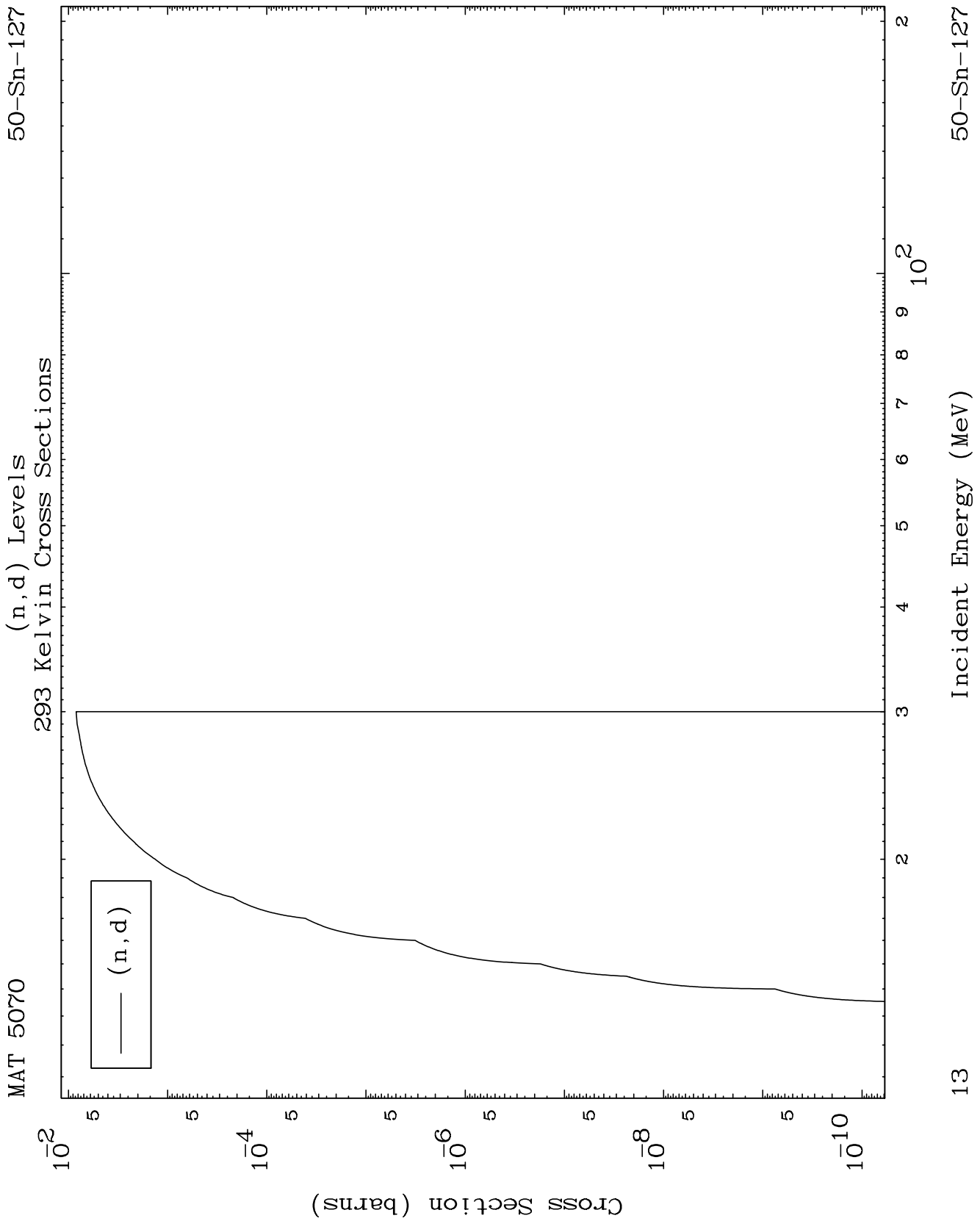
50-Sn-127



12

Incident Energy (MeV)

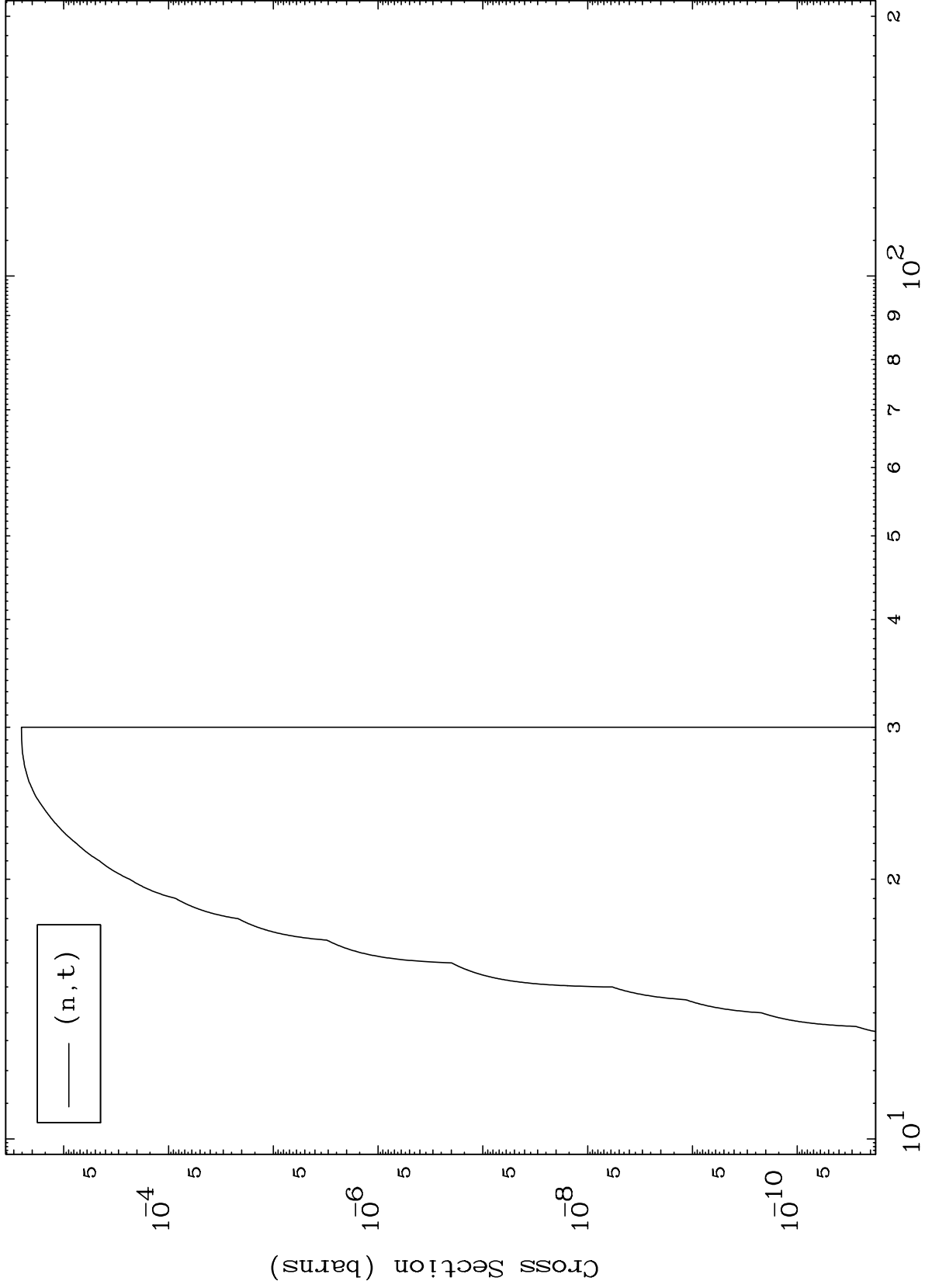
50-Sn-127



MAT 5070

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-127



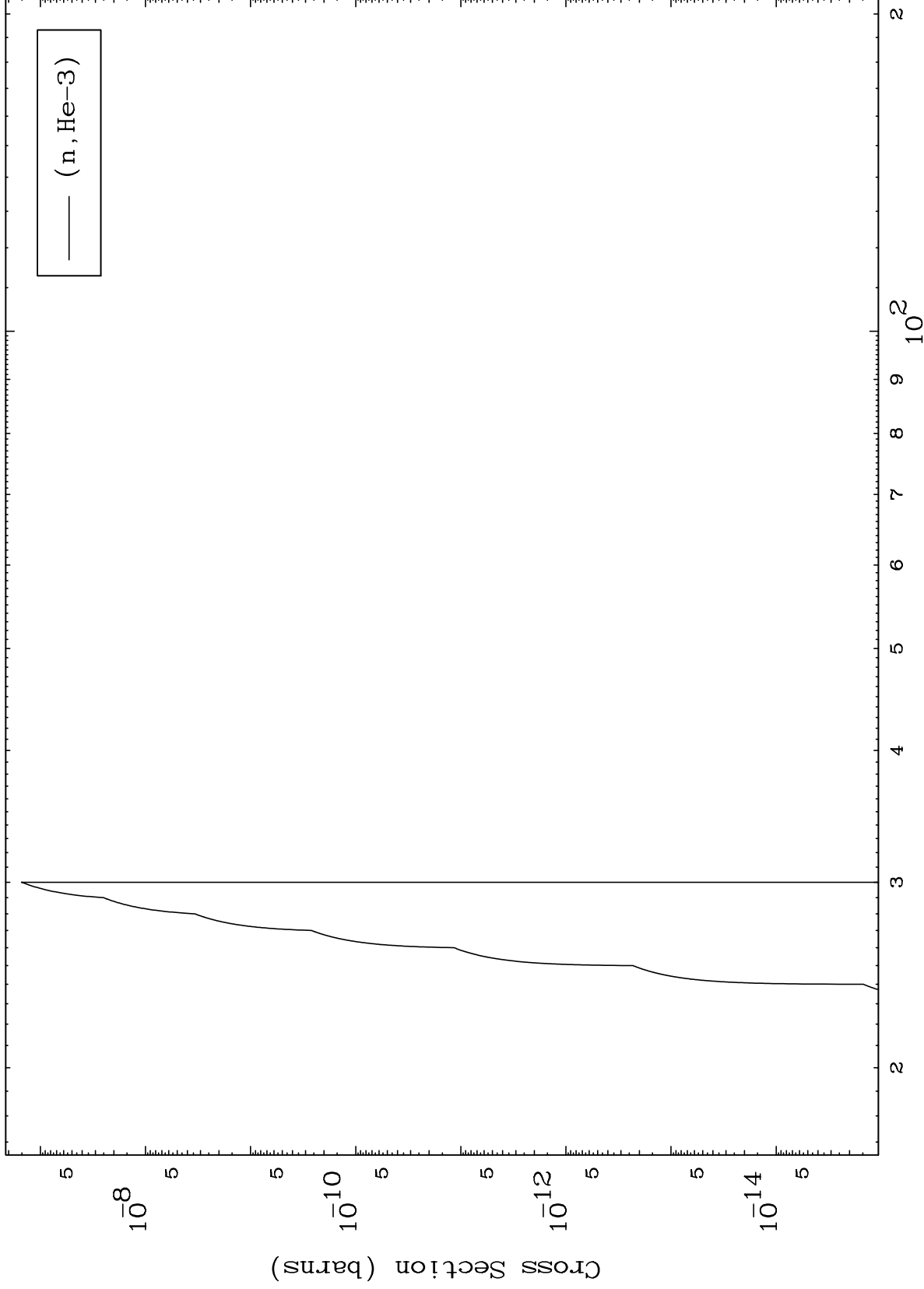
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-127



15

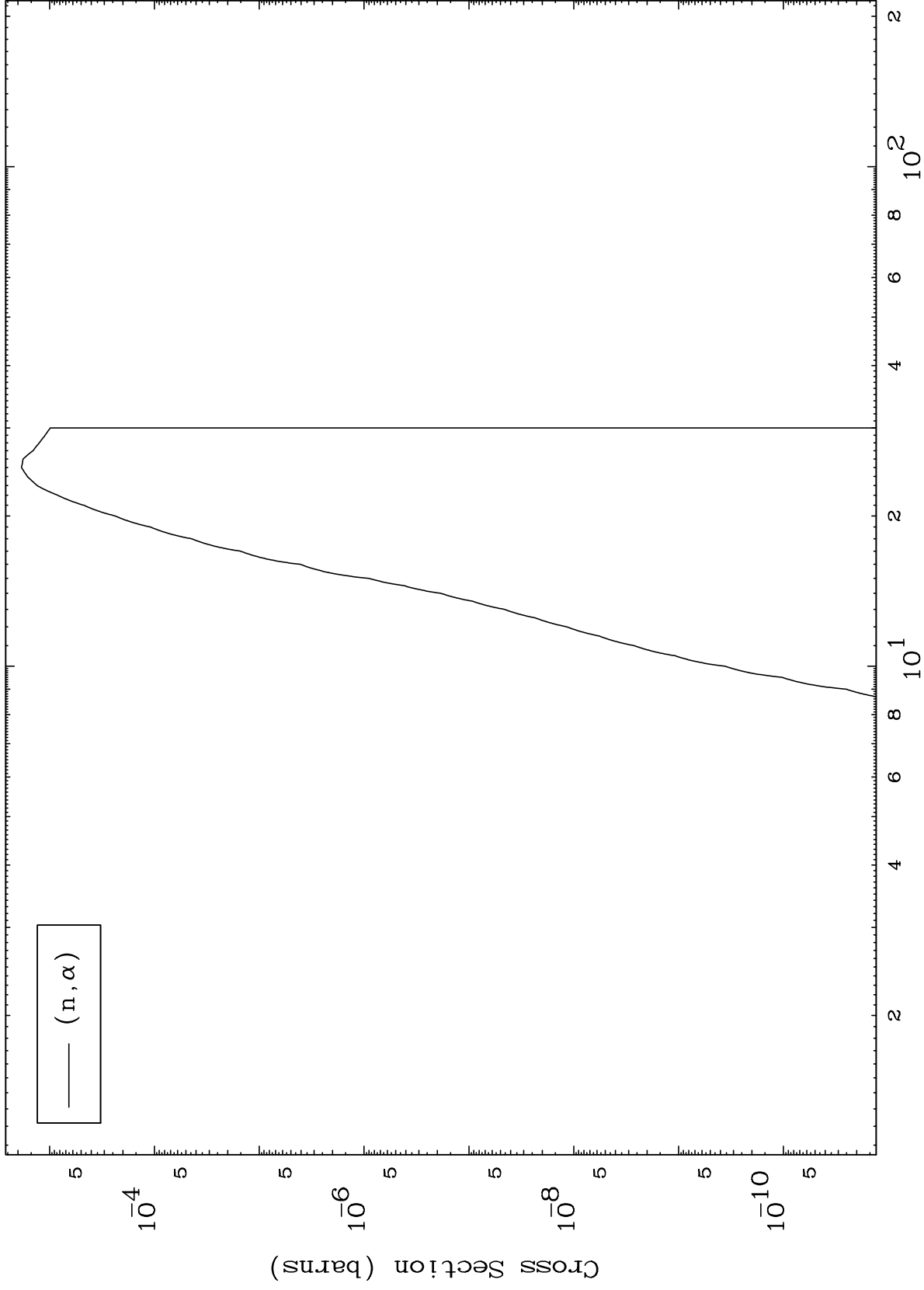
Incident Energy (MeV)

50-Sn-127

MAT 5070

(n, α) Levels
293 Kelvin Cross Sections

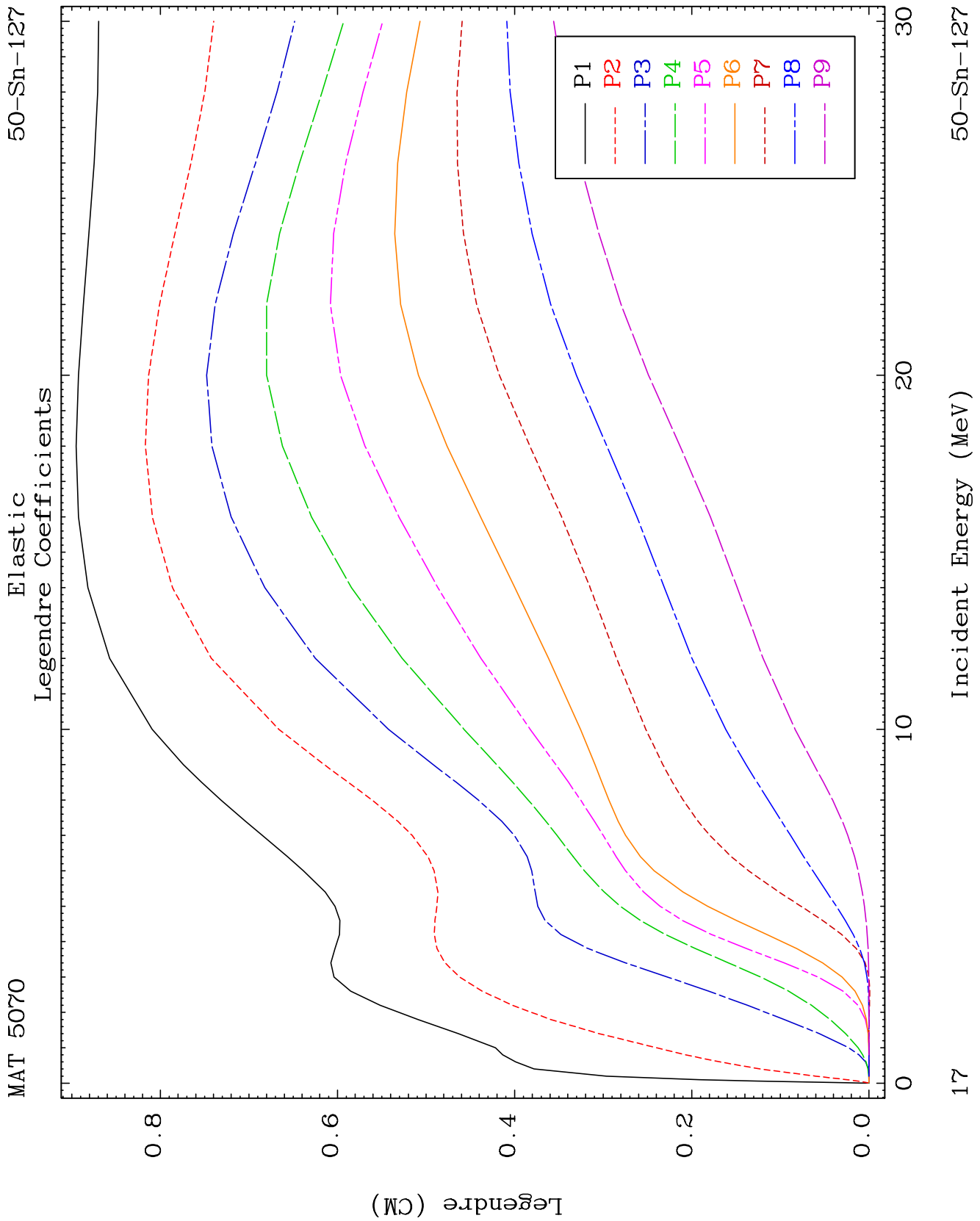
50-Sn-127

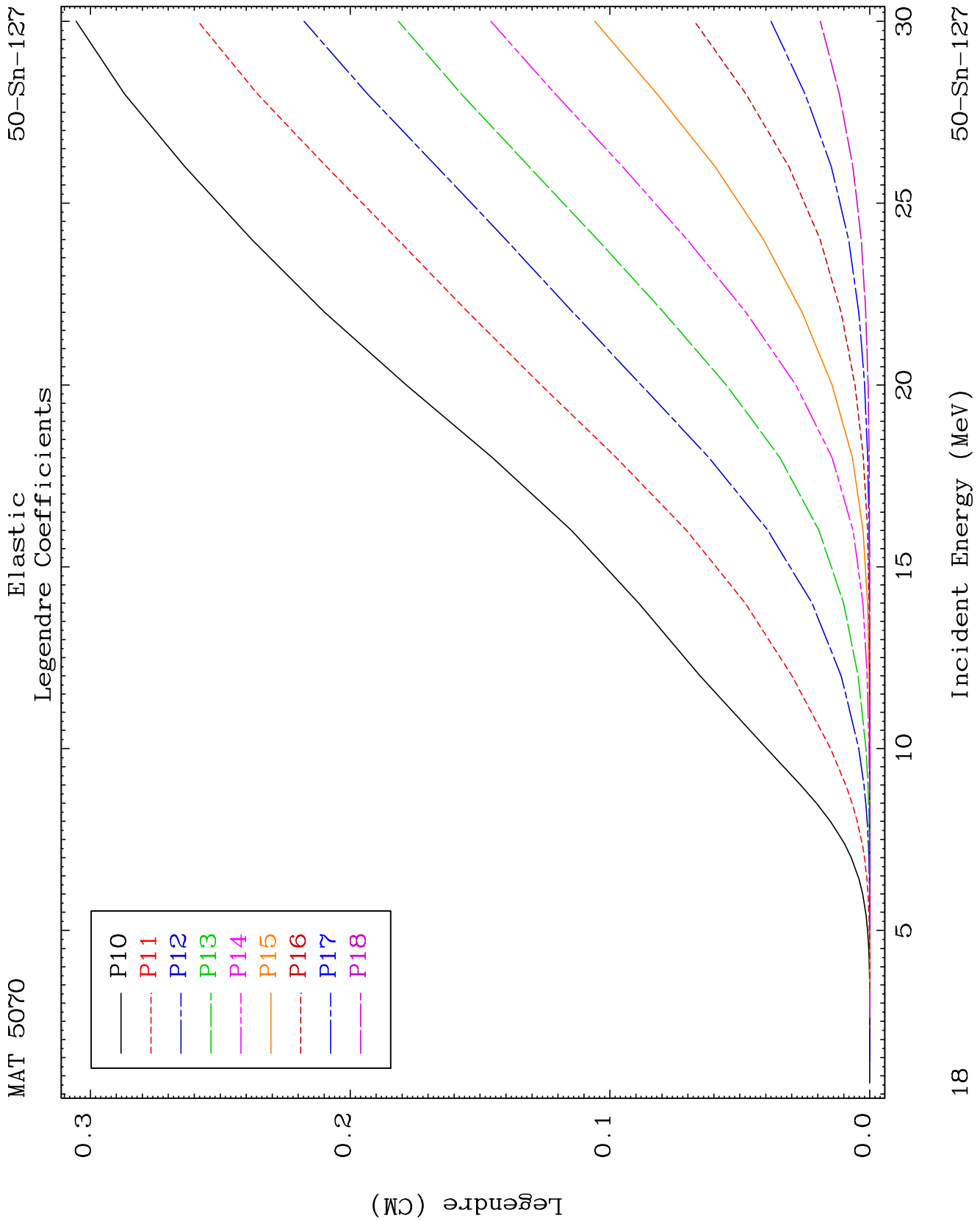


16

Incident Energy (MeV)

50-Sn-127

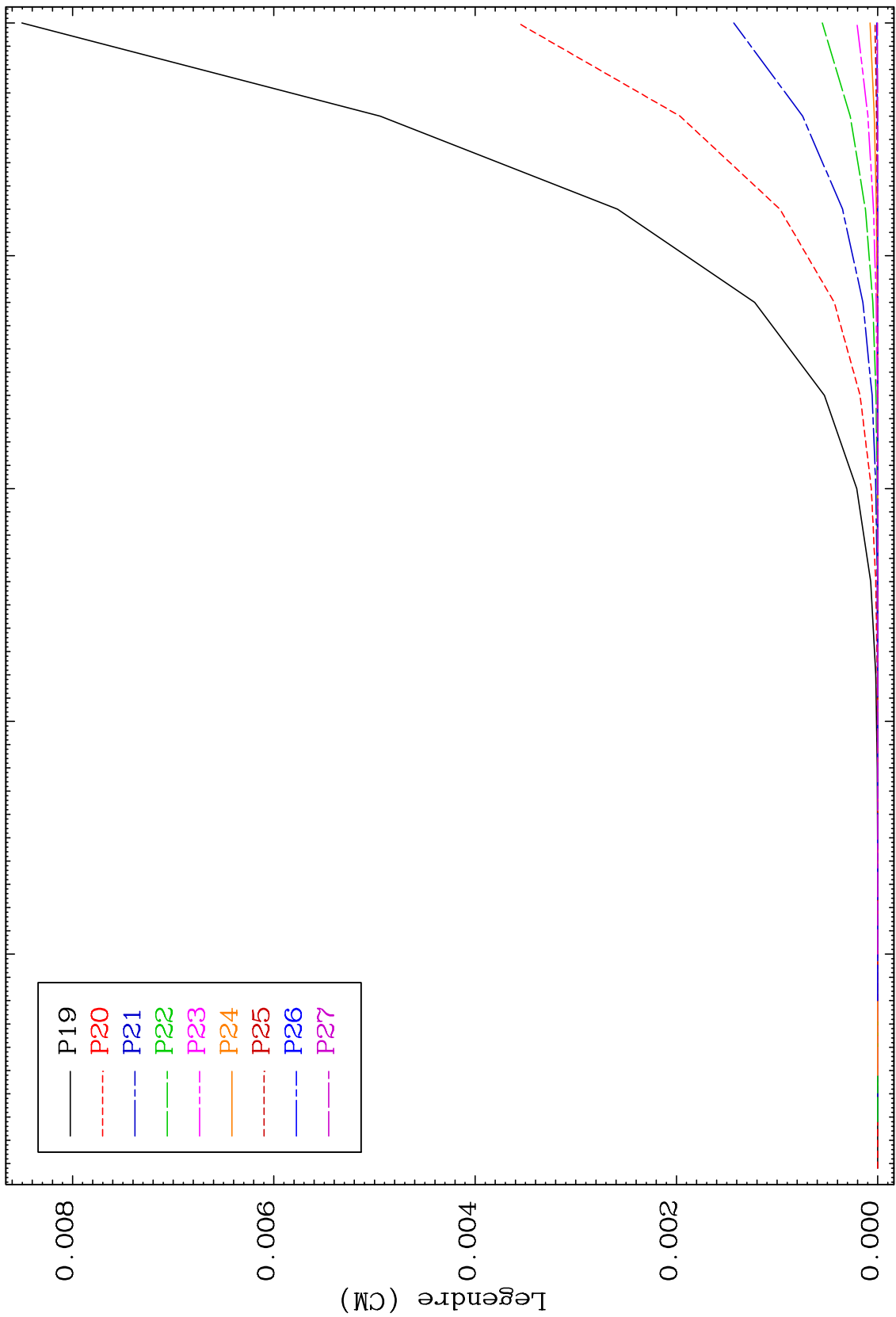




MAT 5070

Elastic
Legendre Coefficients

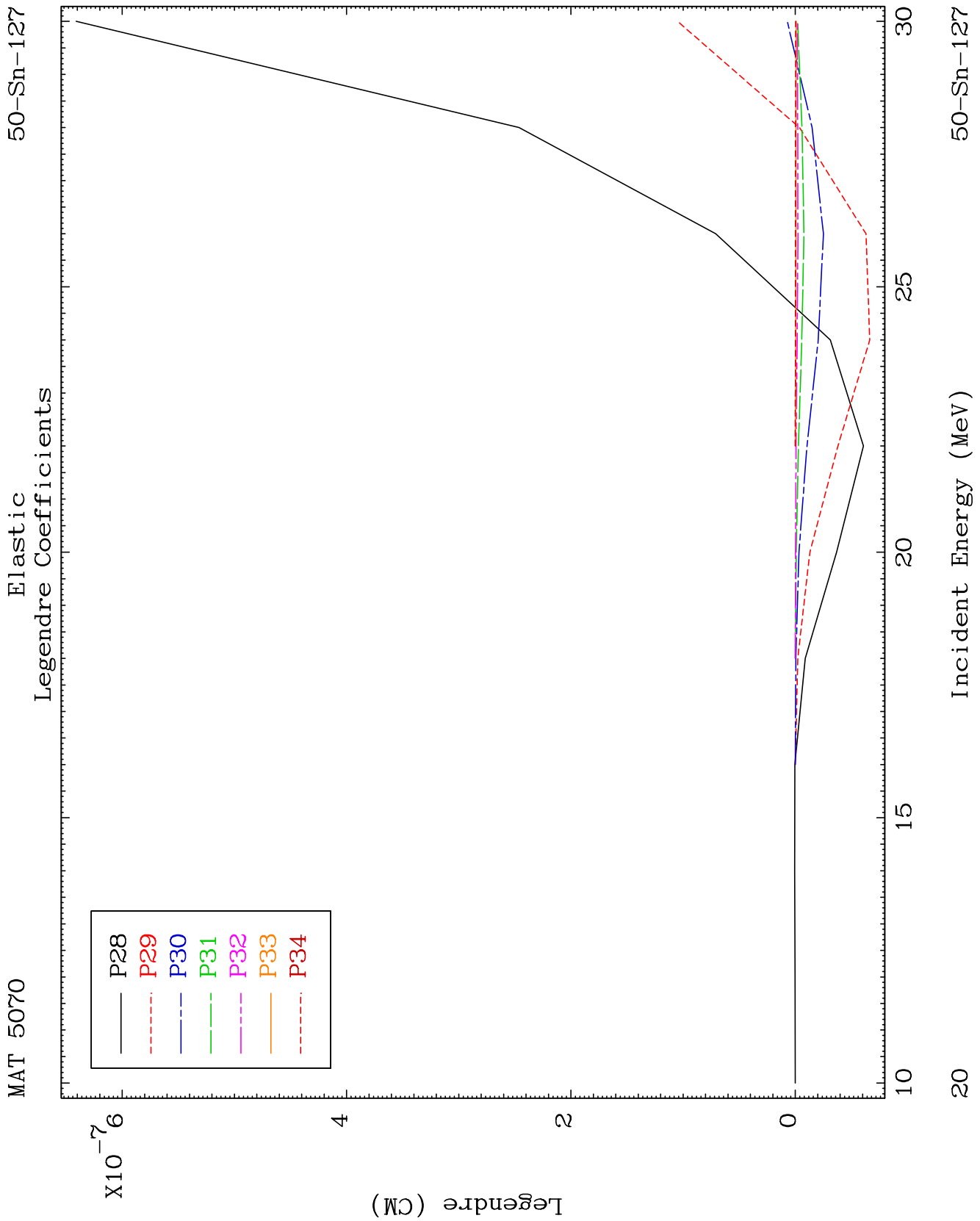
50-Sn-127

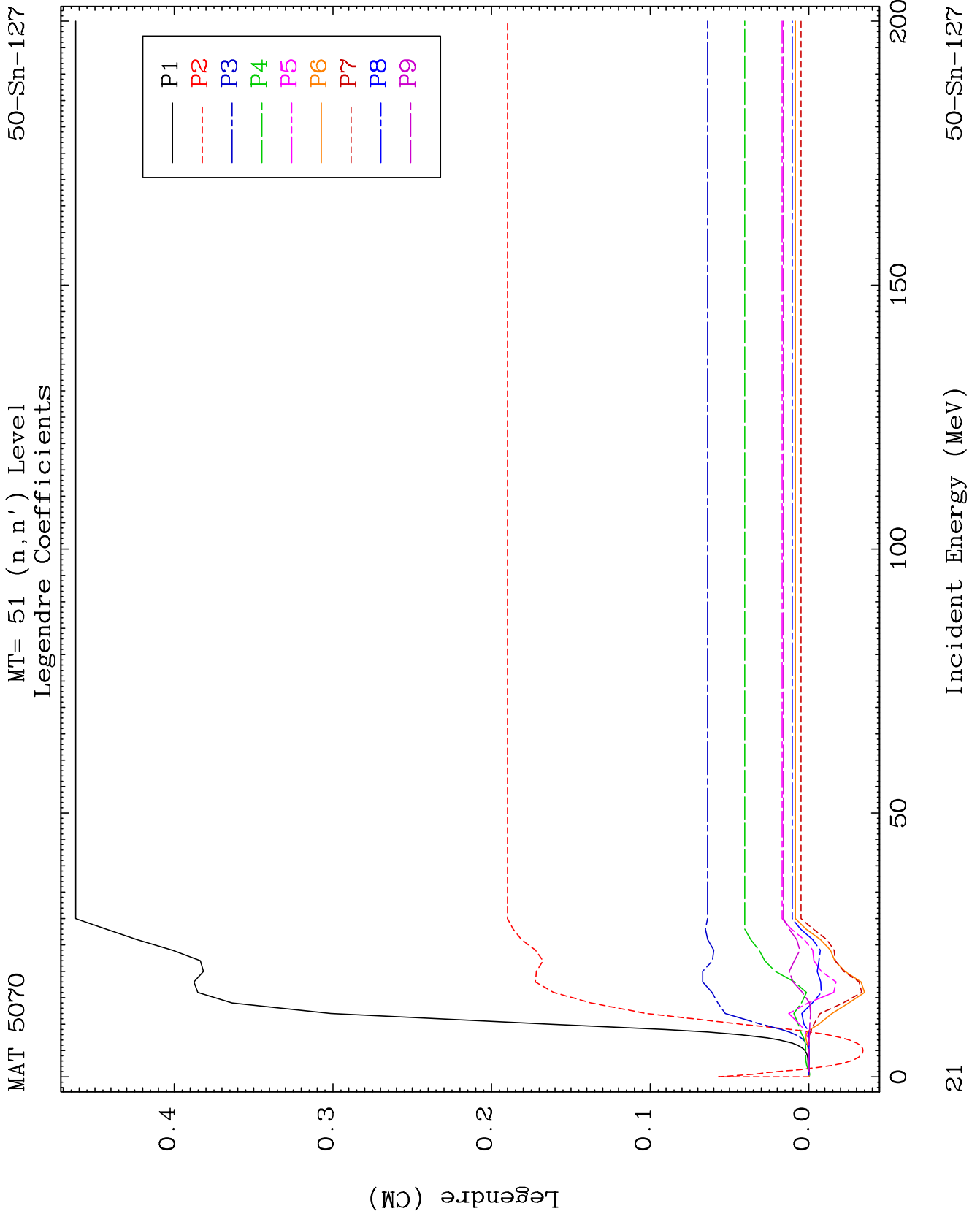


19

Incident Energy (MeV)

50-Sn-127

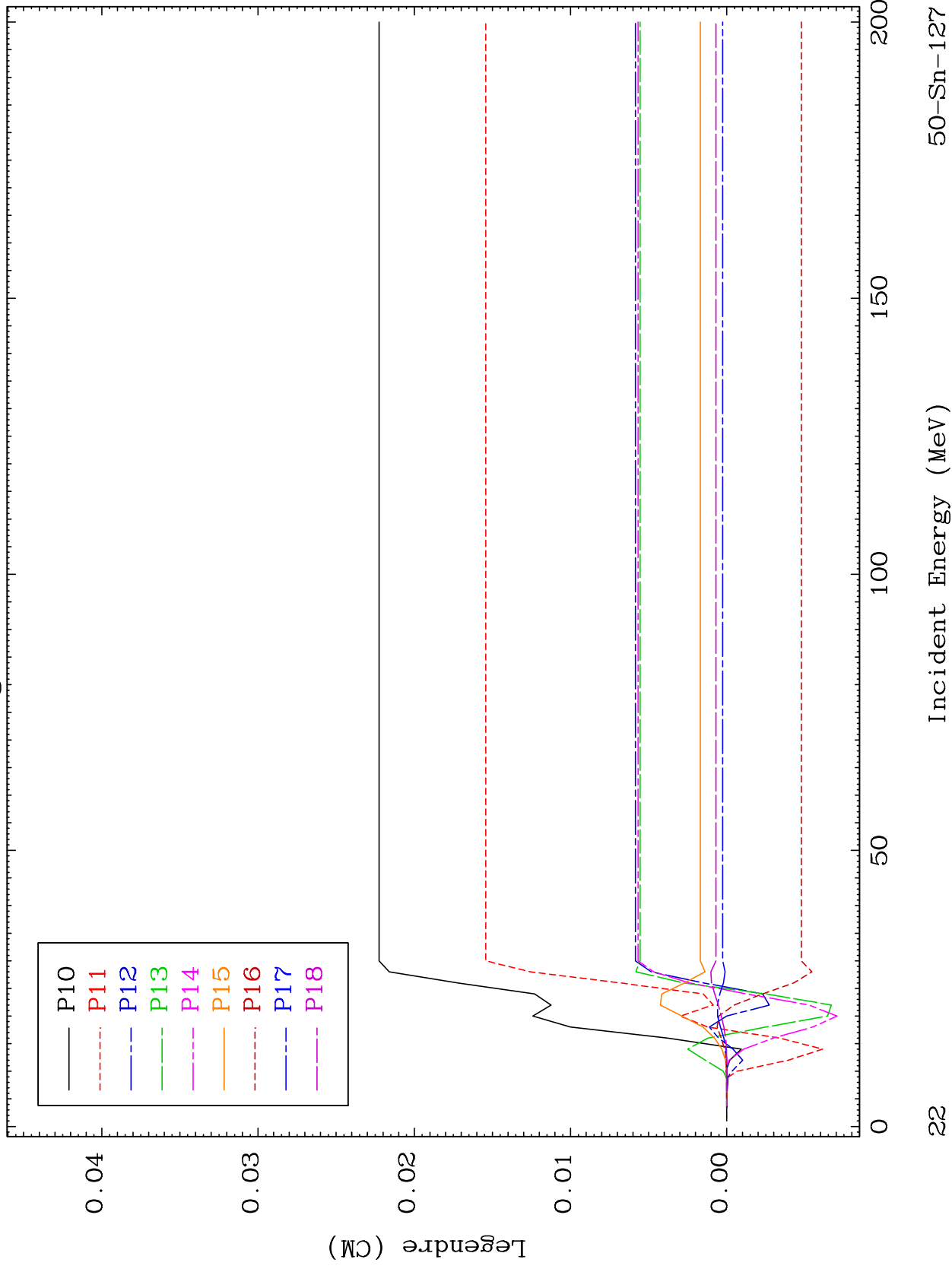




MAT 5070

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

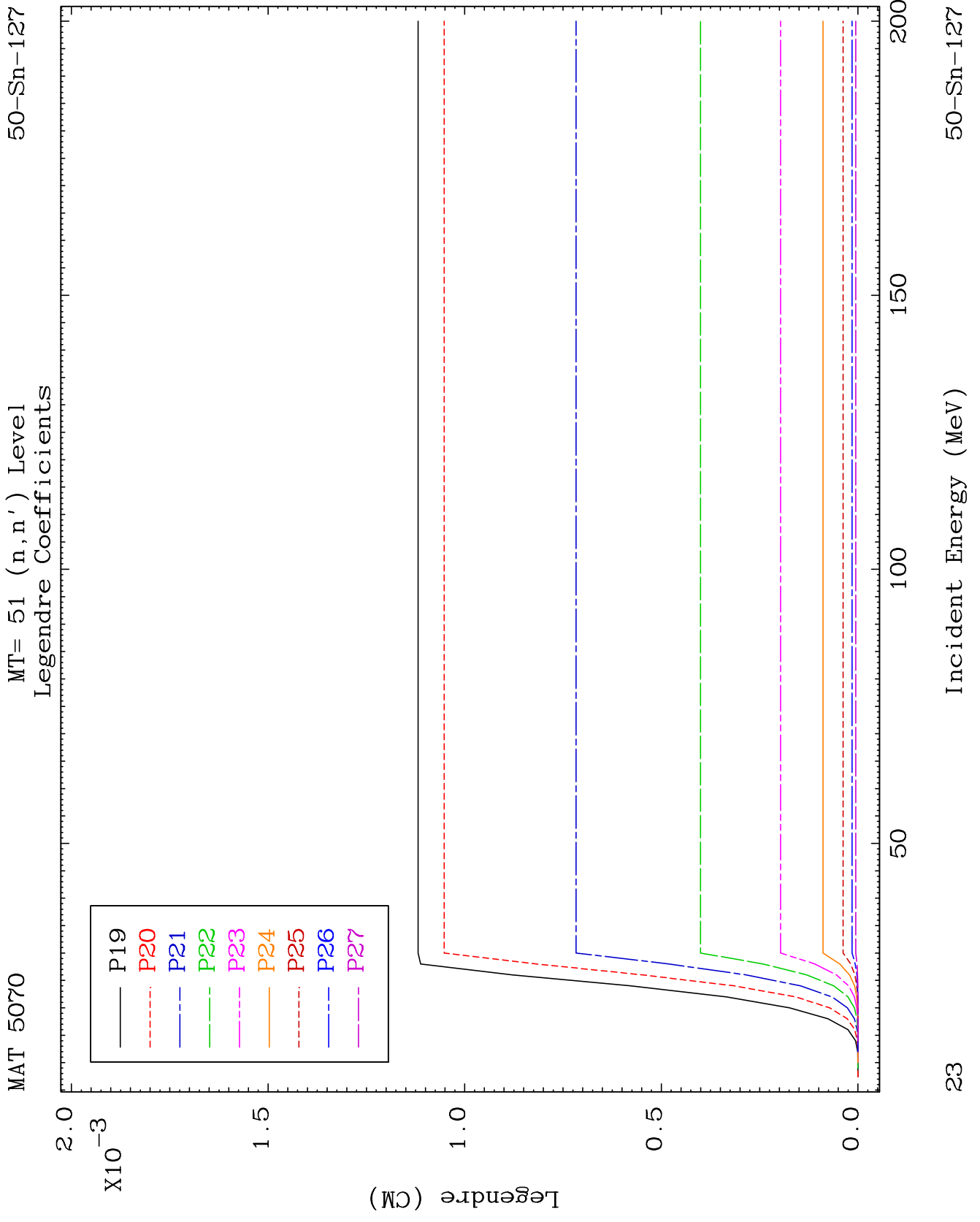
50-Sn-127

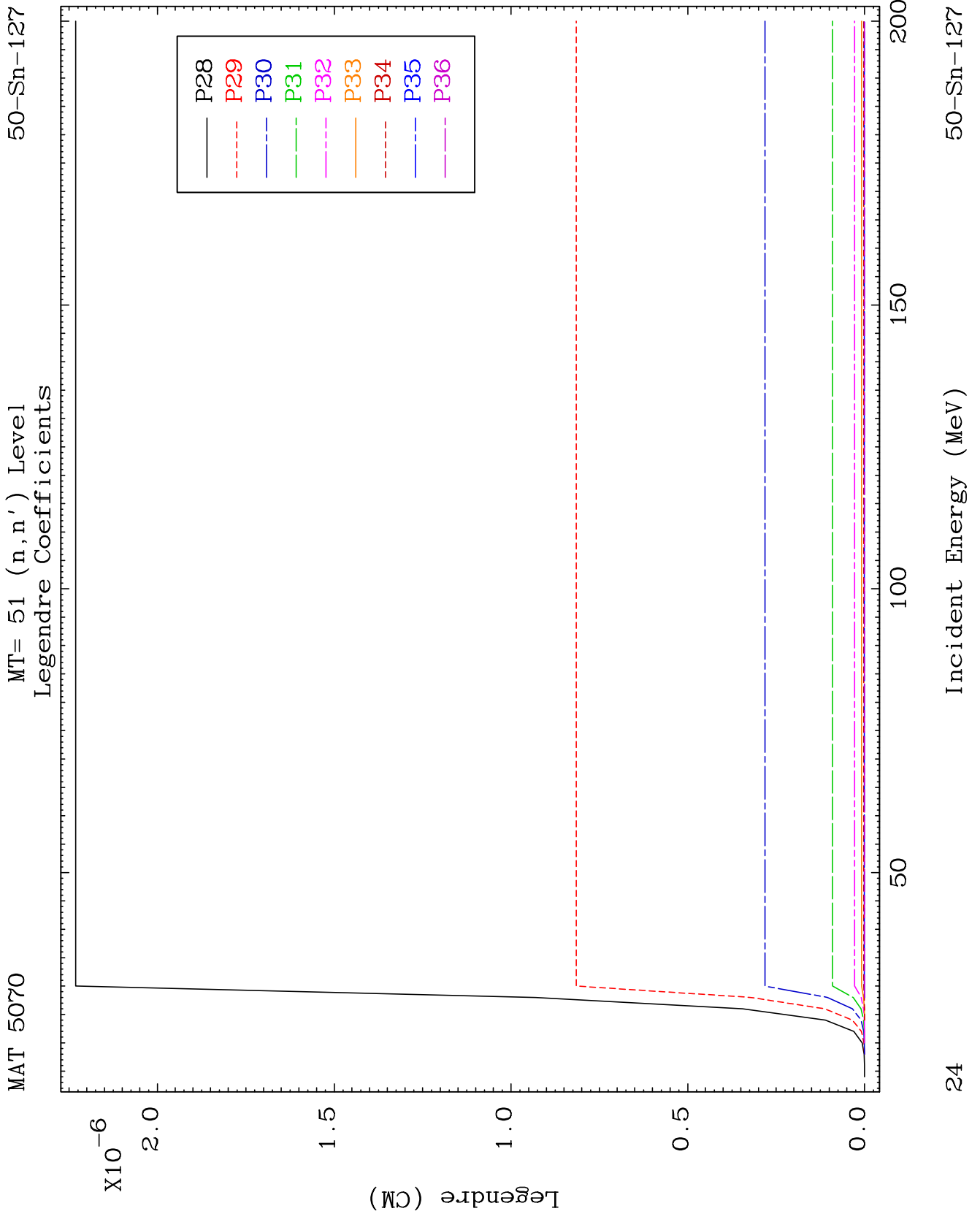


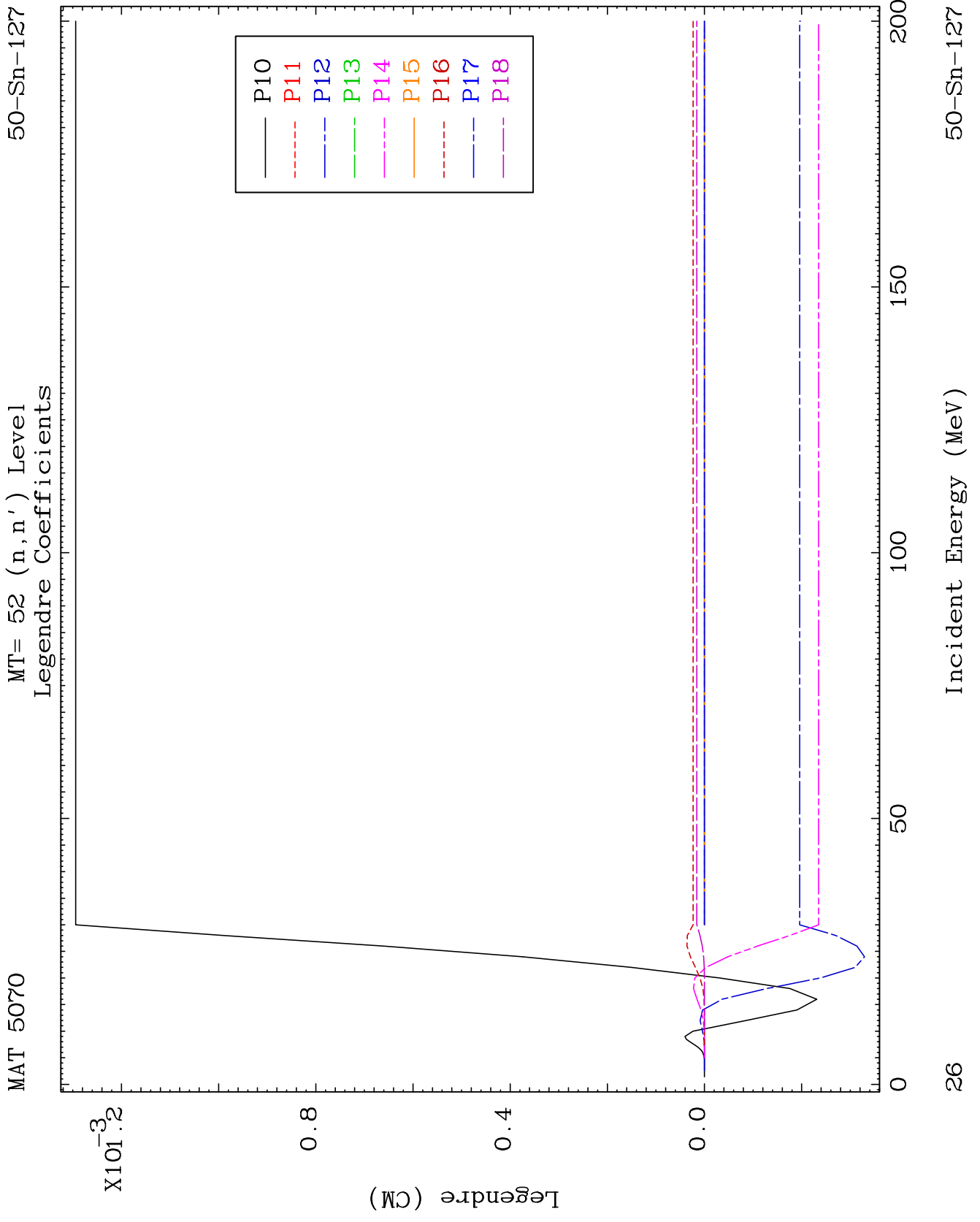
22

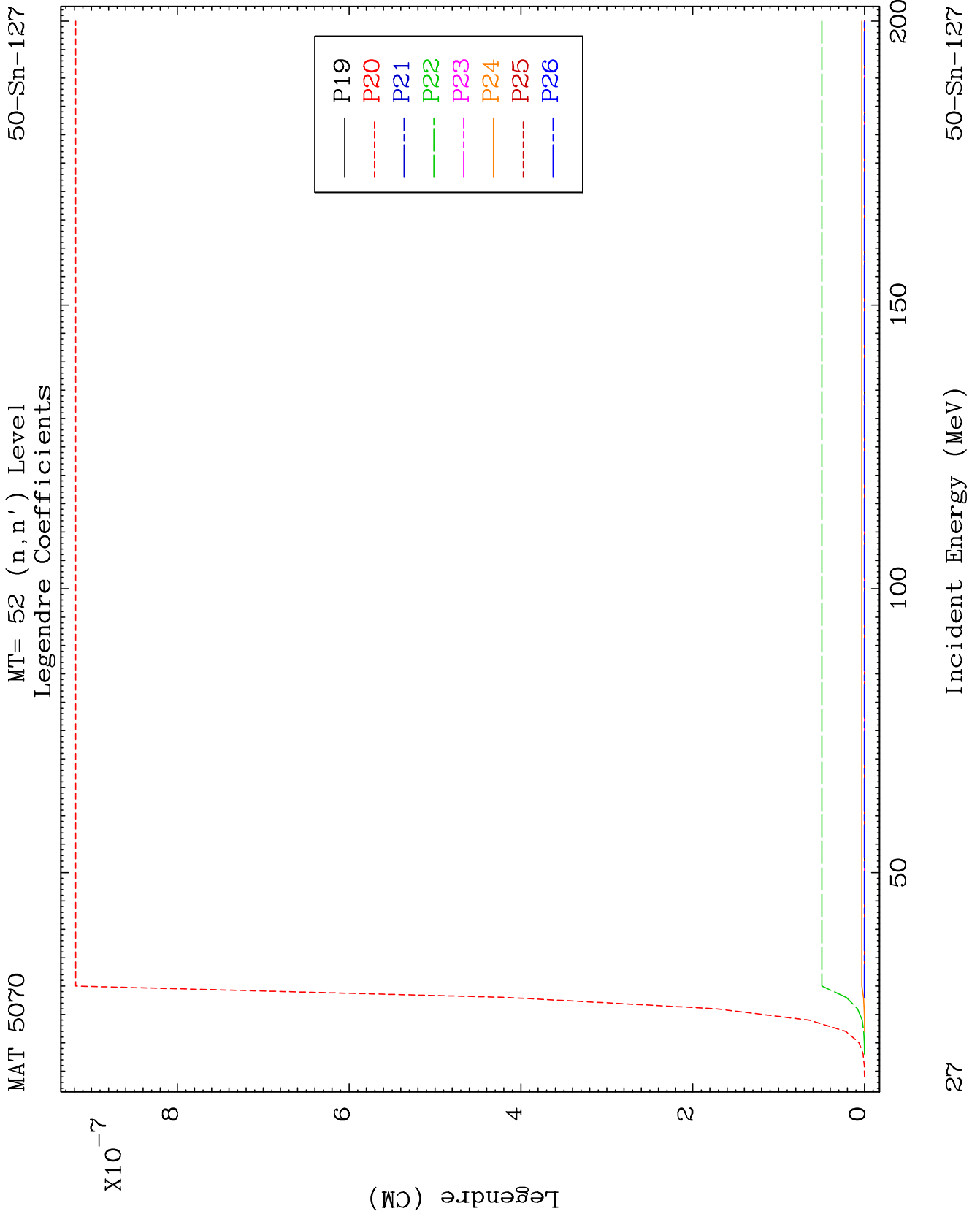
Incident Energy (MeV)

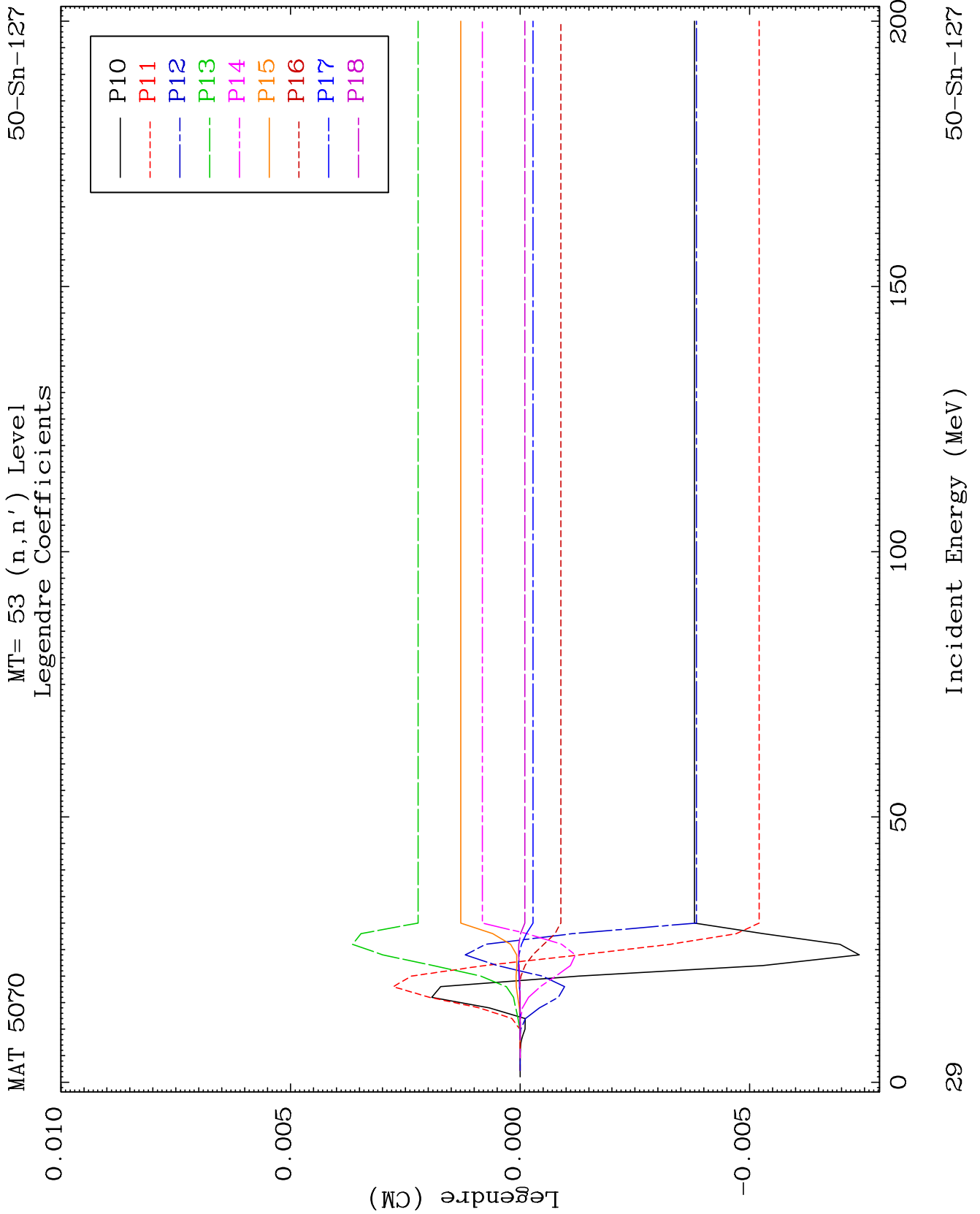
50-Sn-127

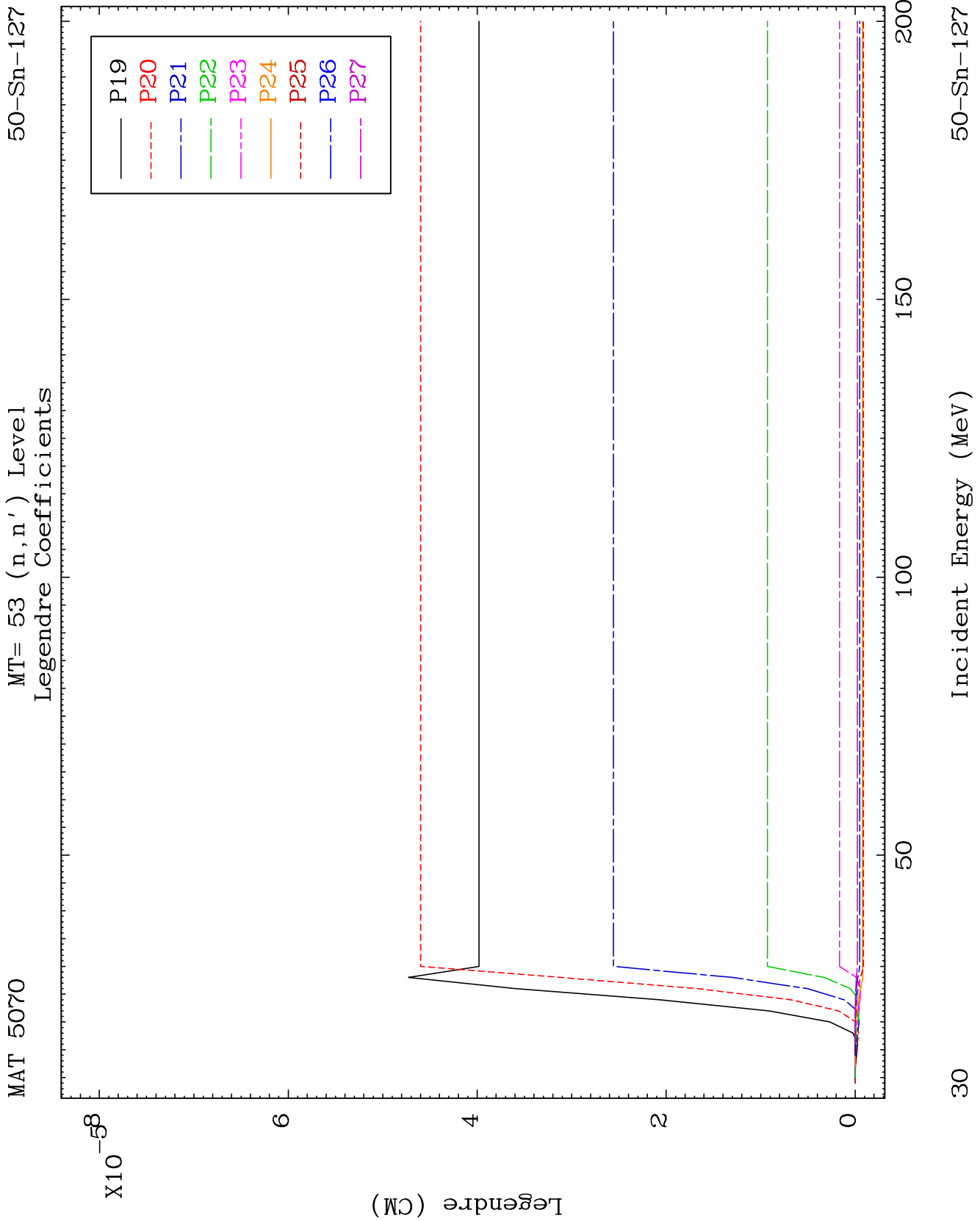


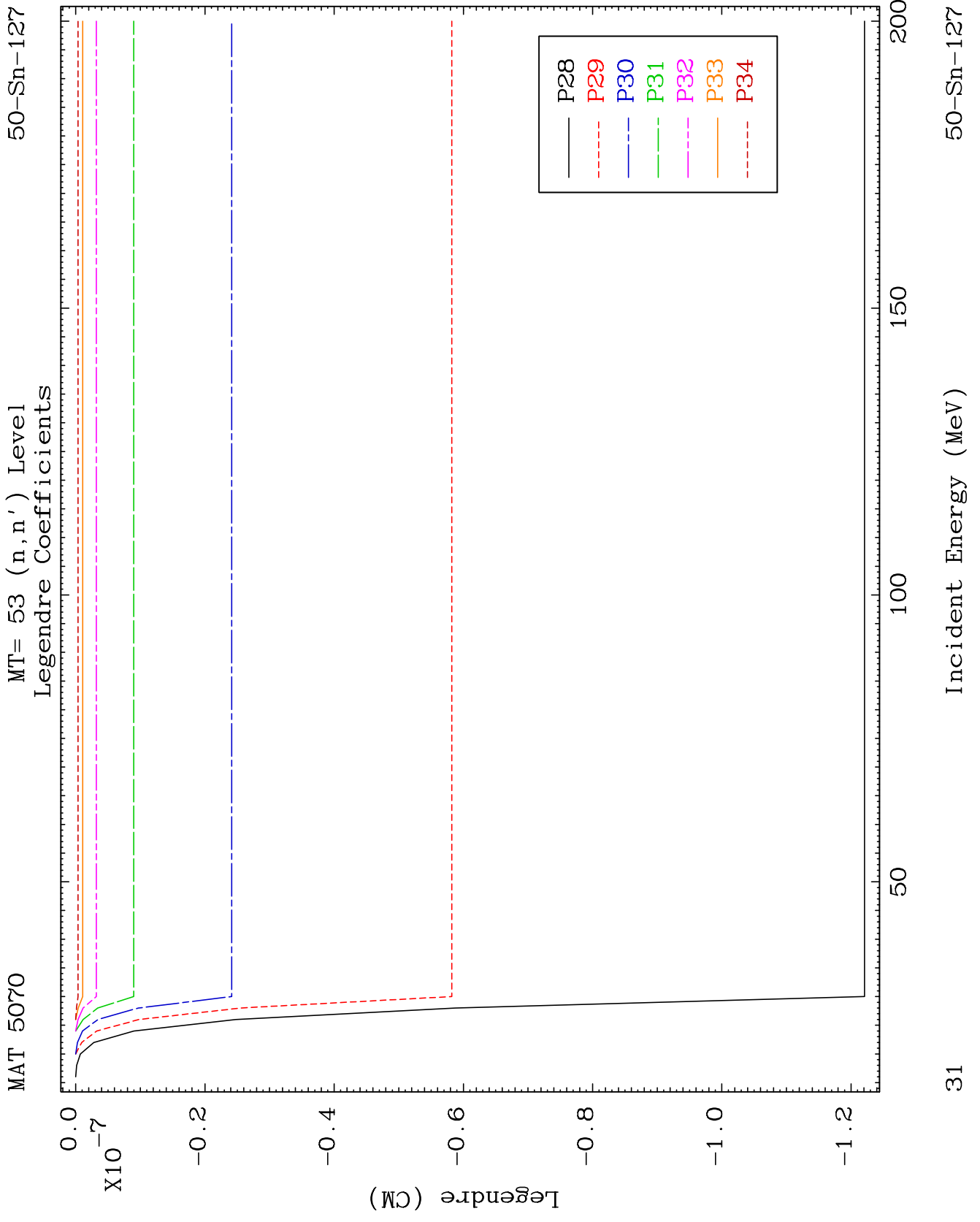


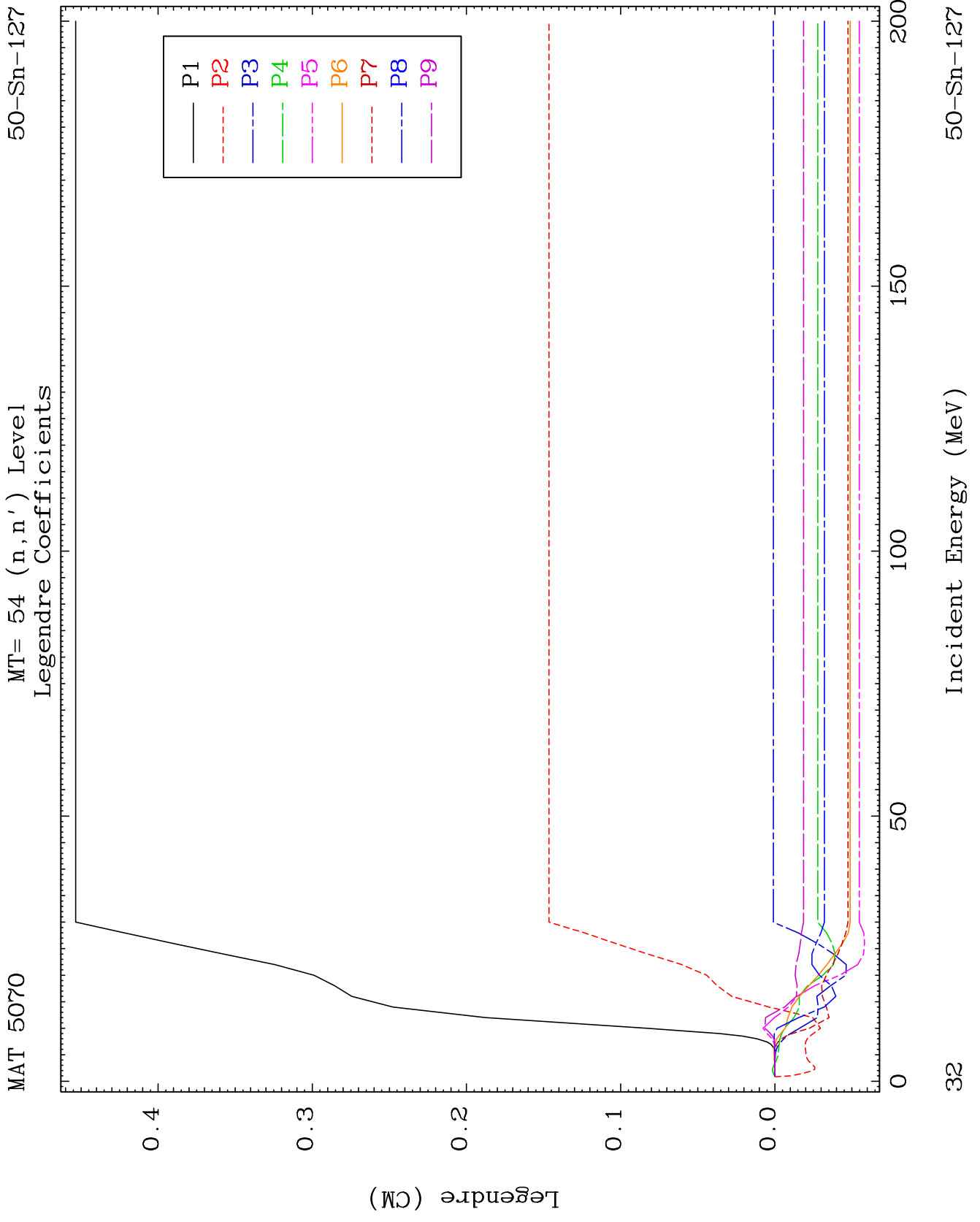


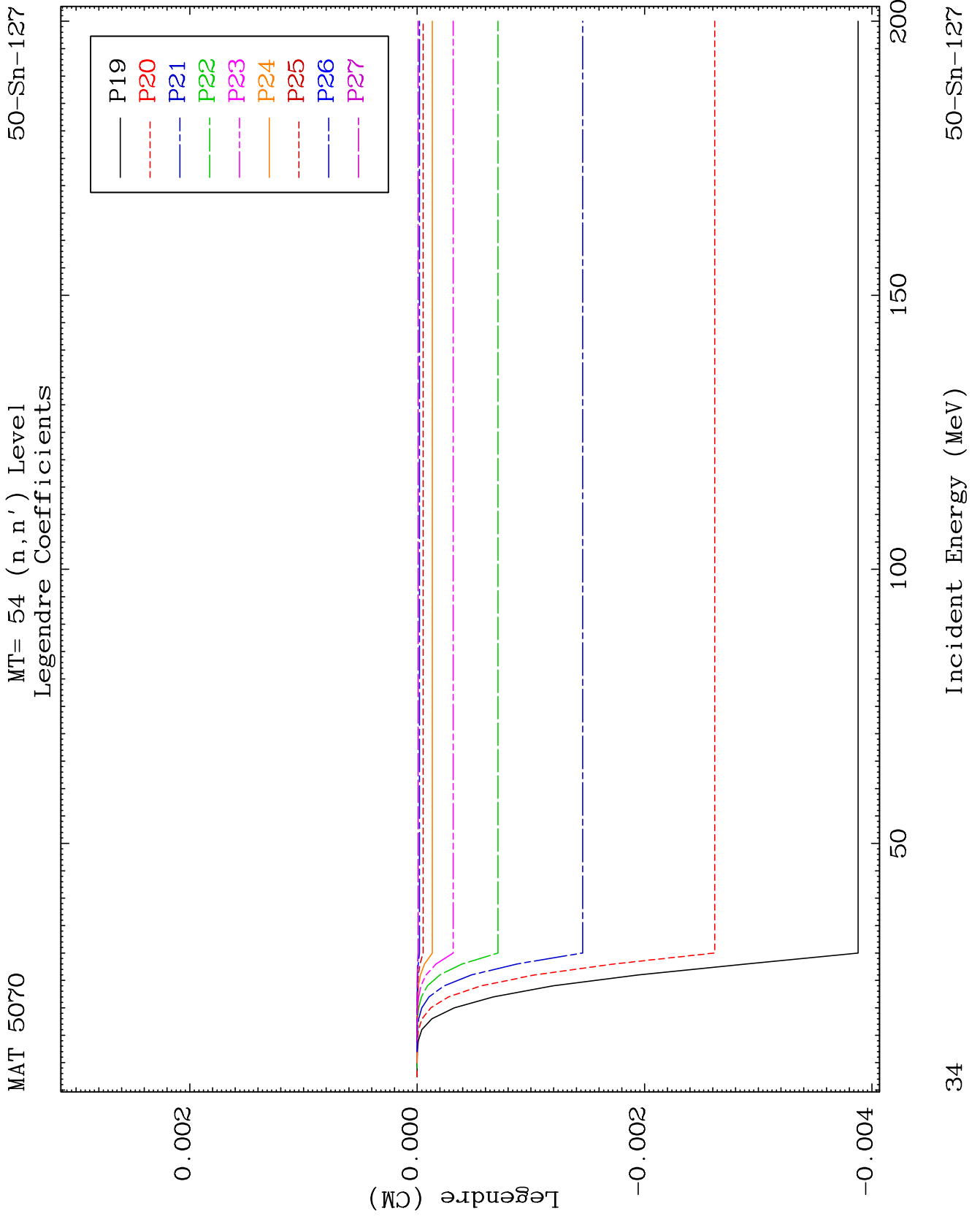


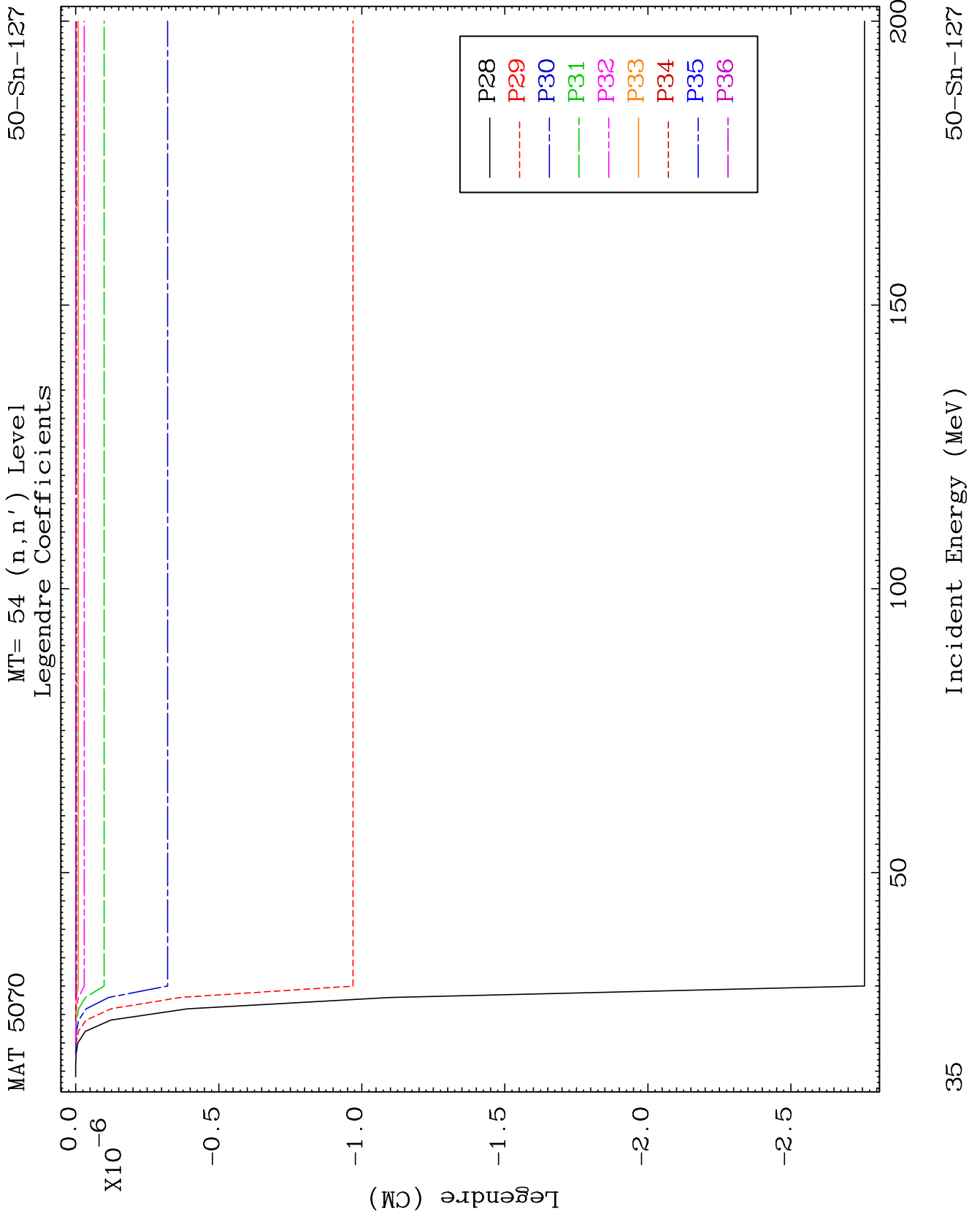


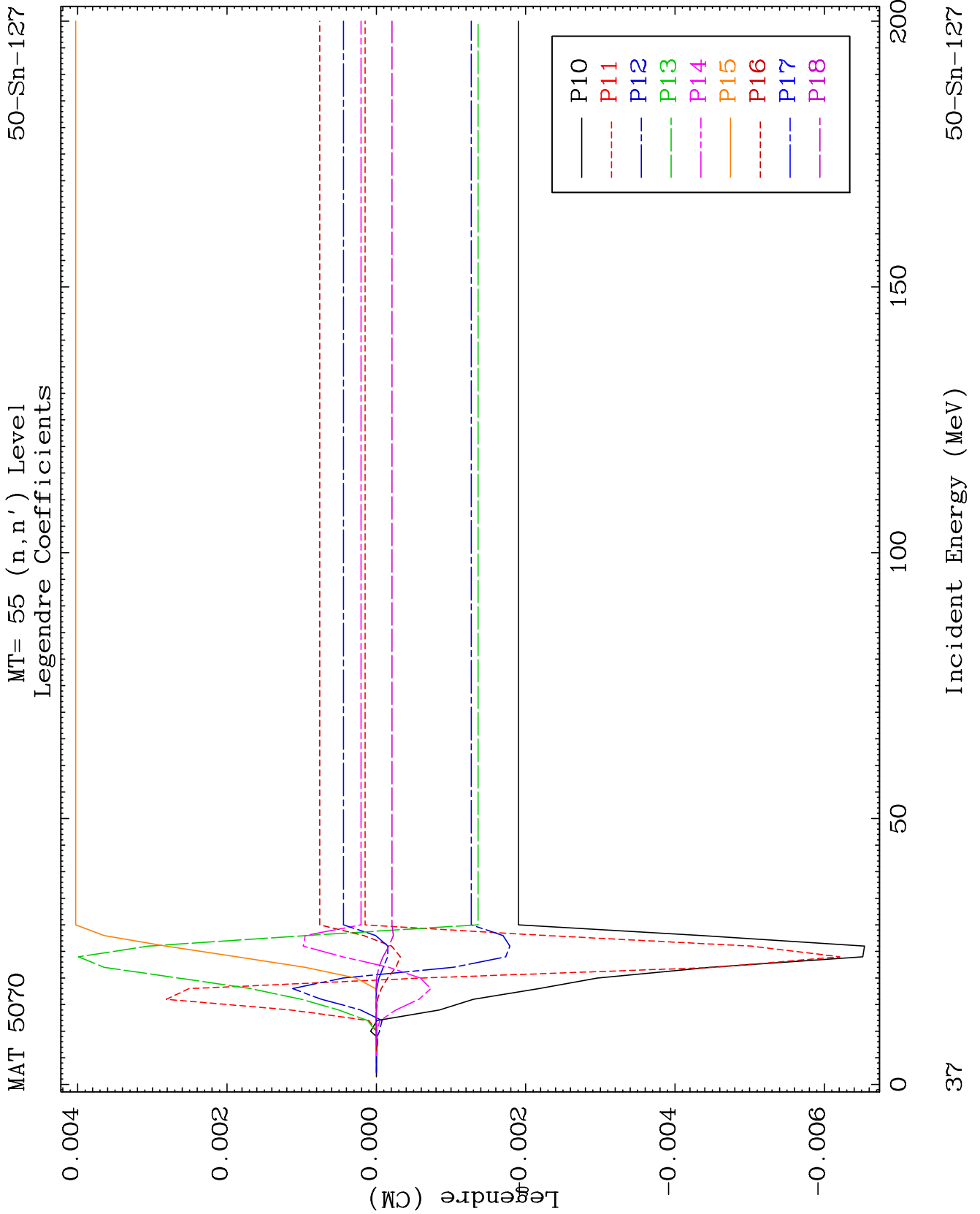


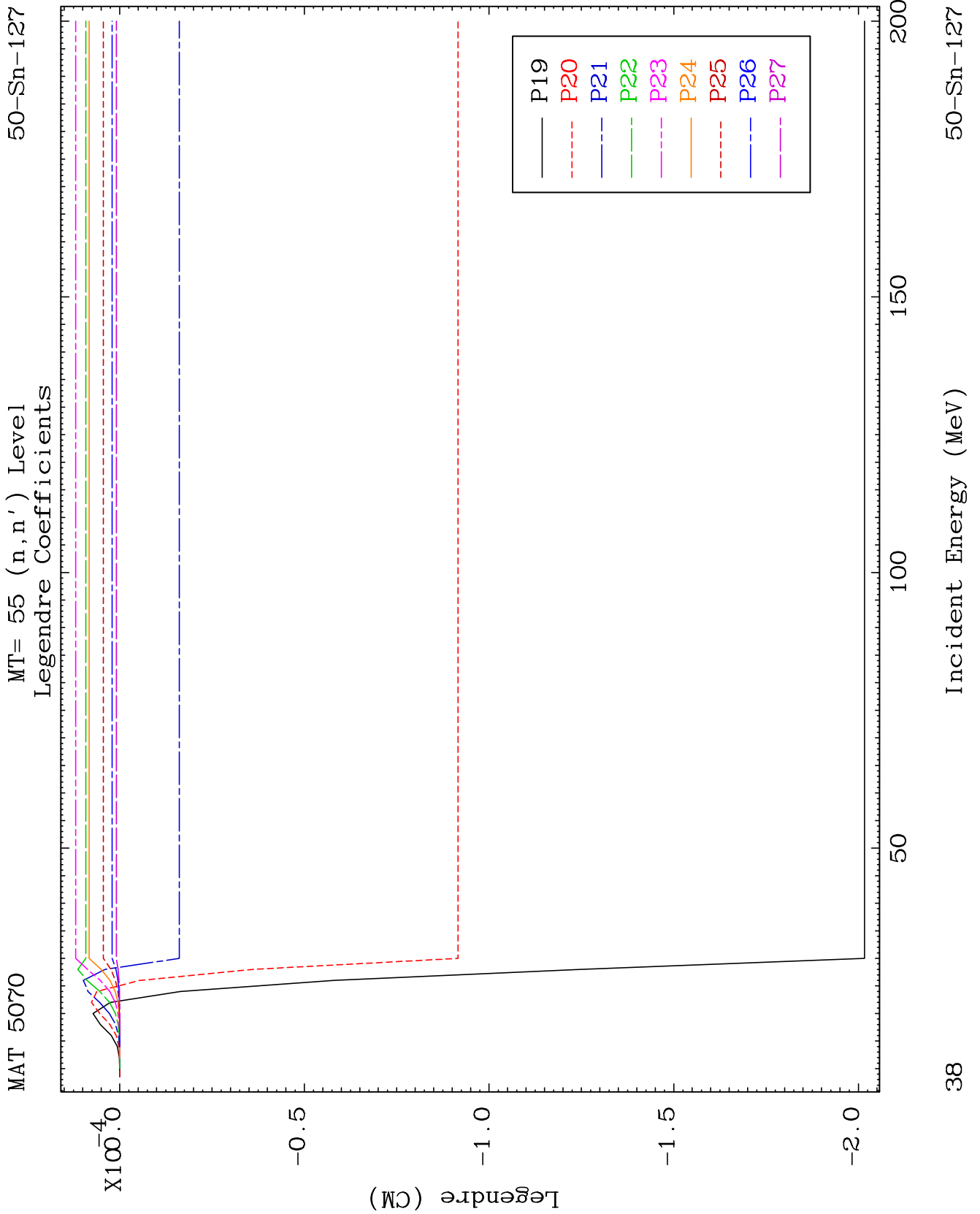


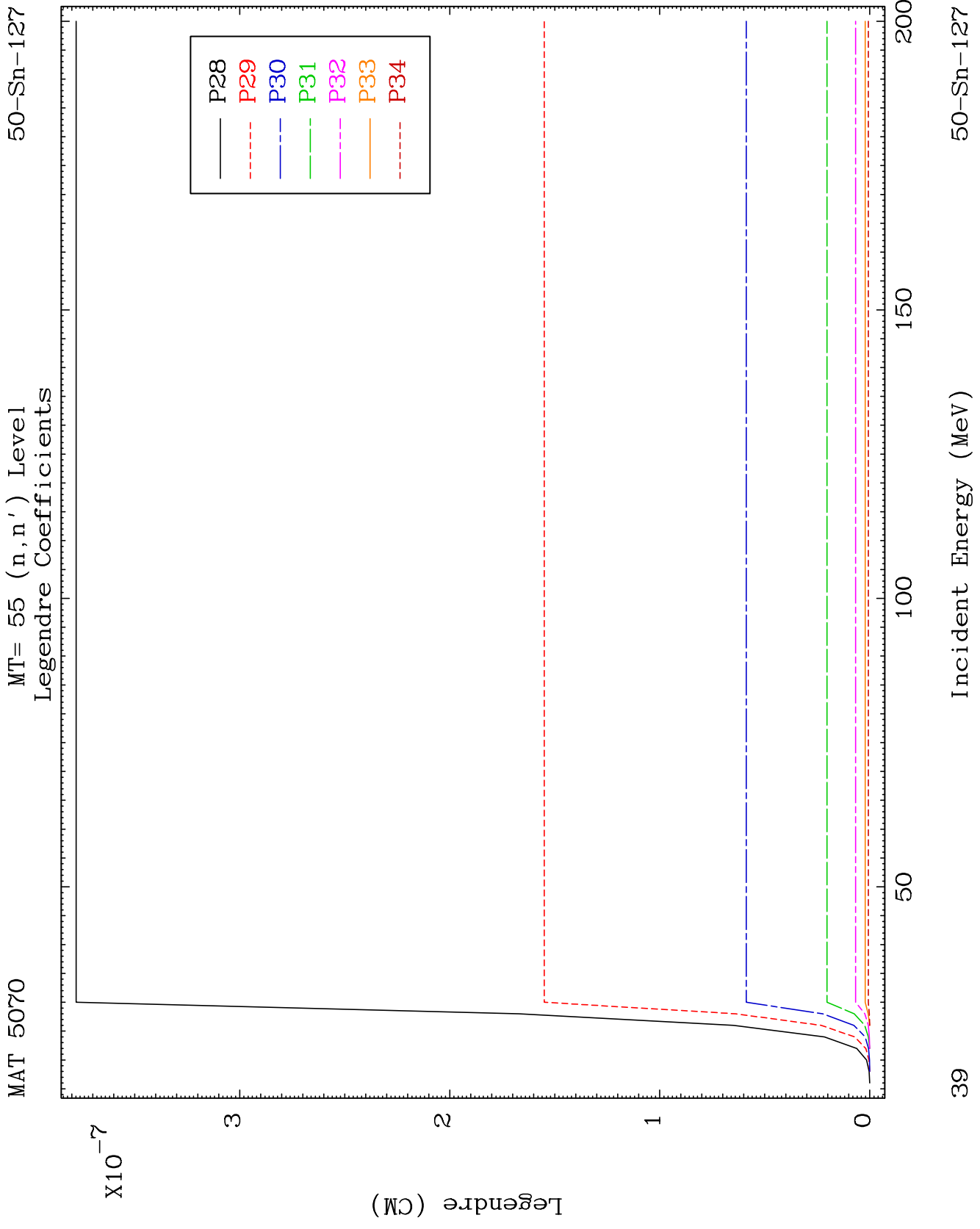


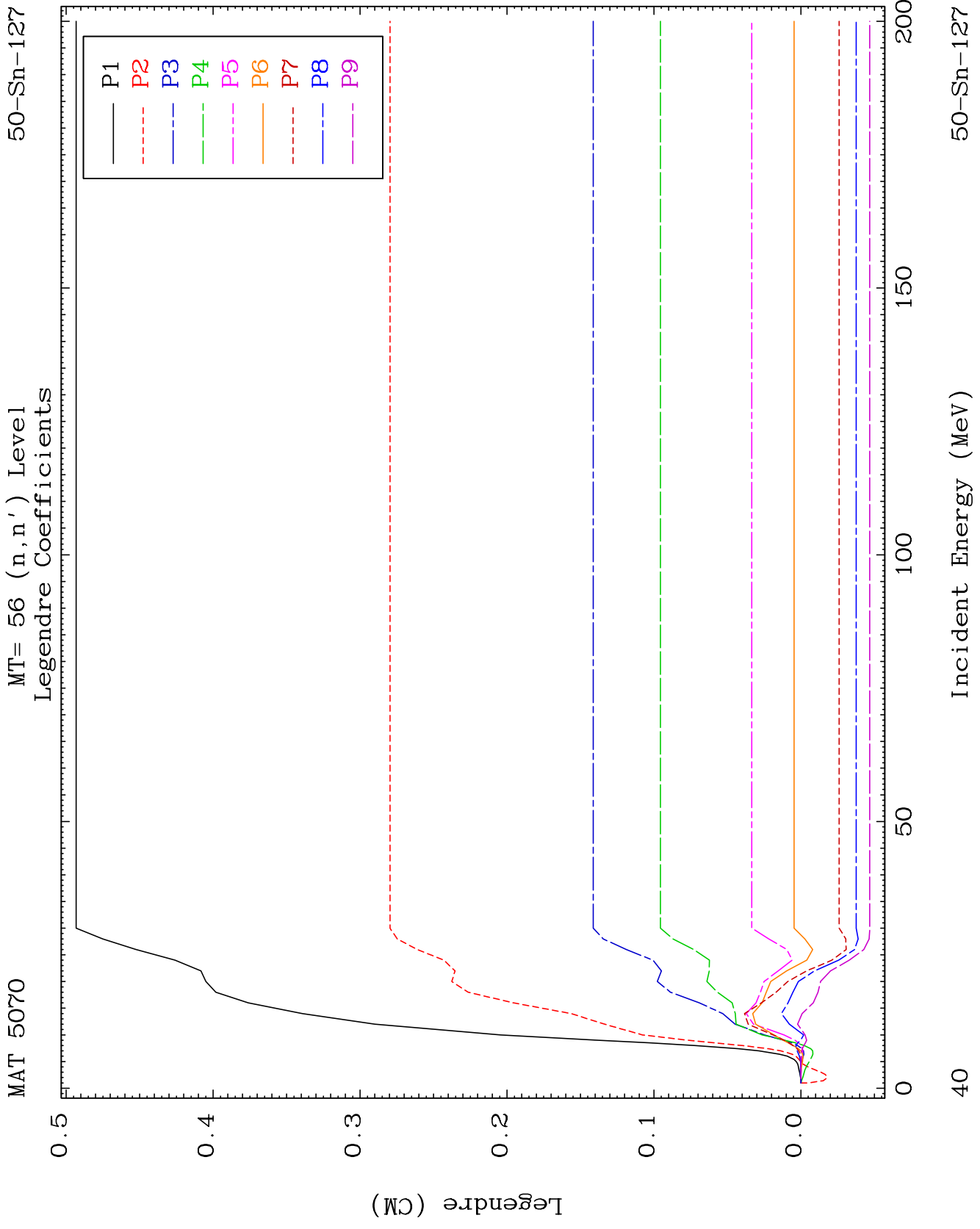


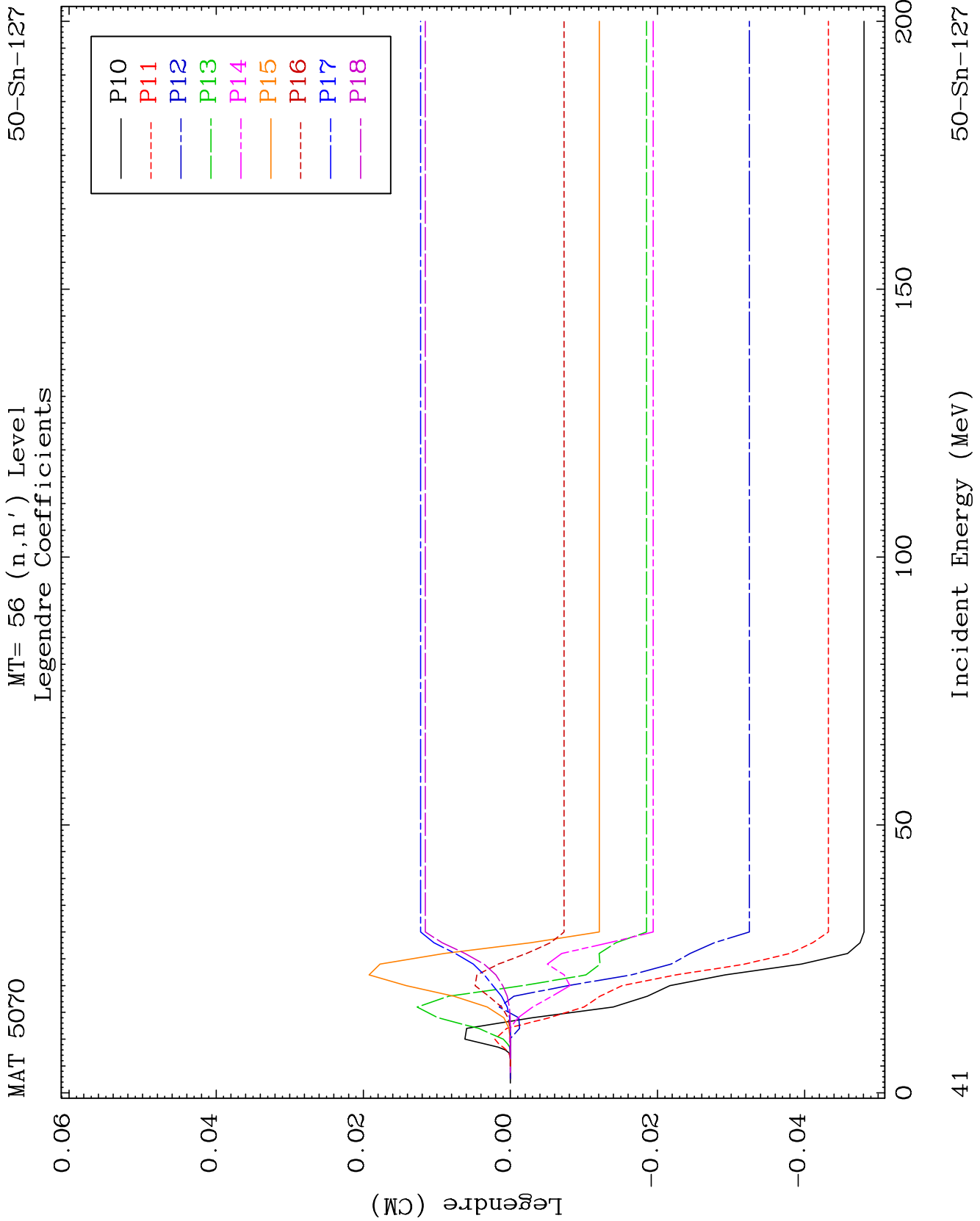


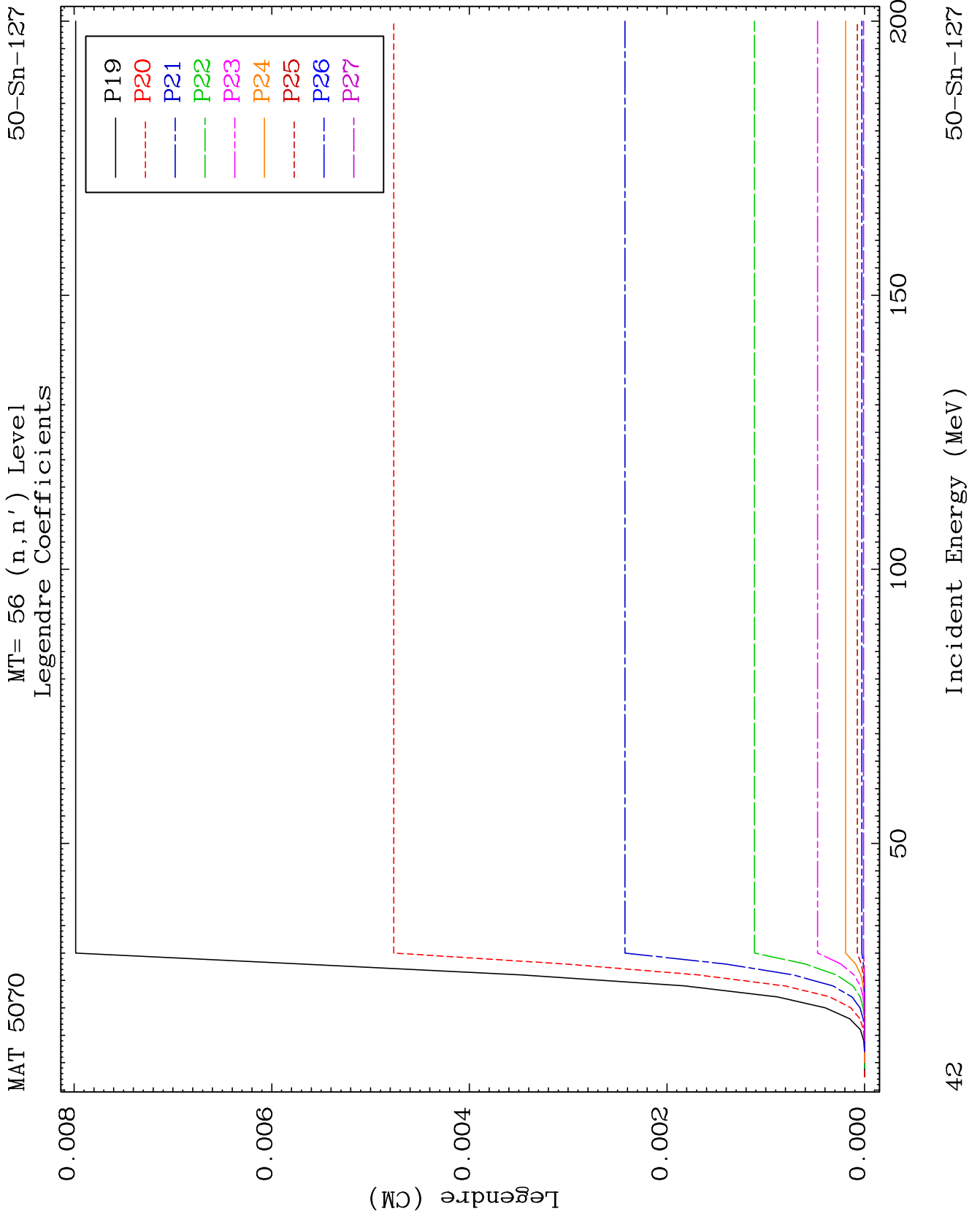


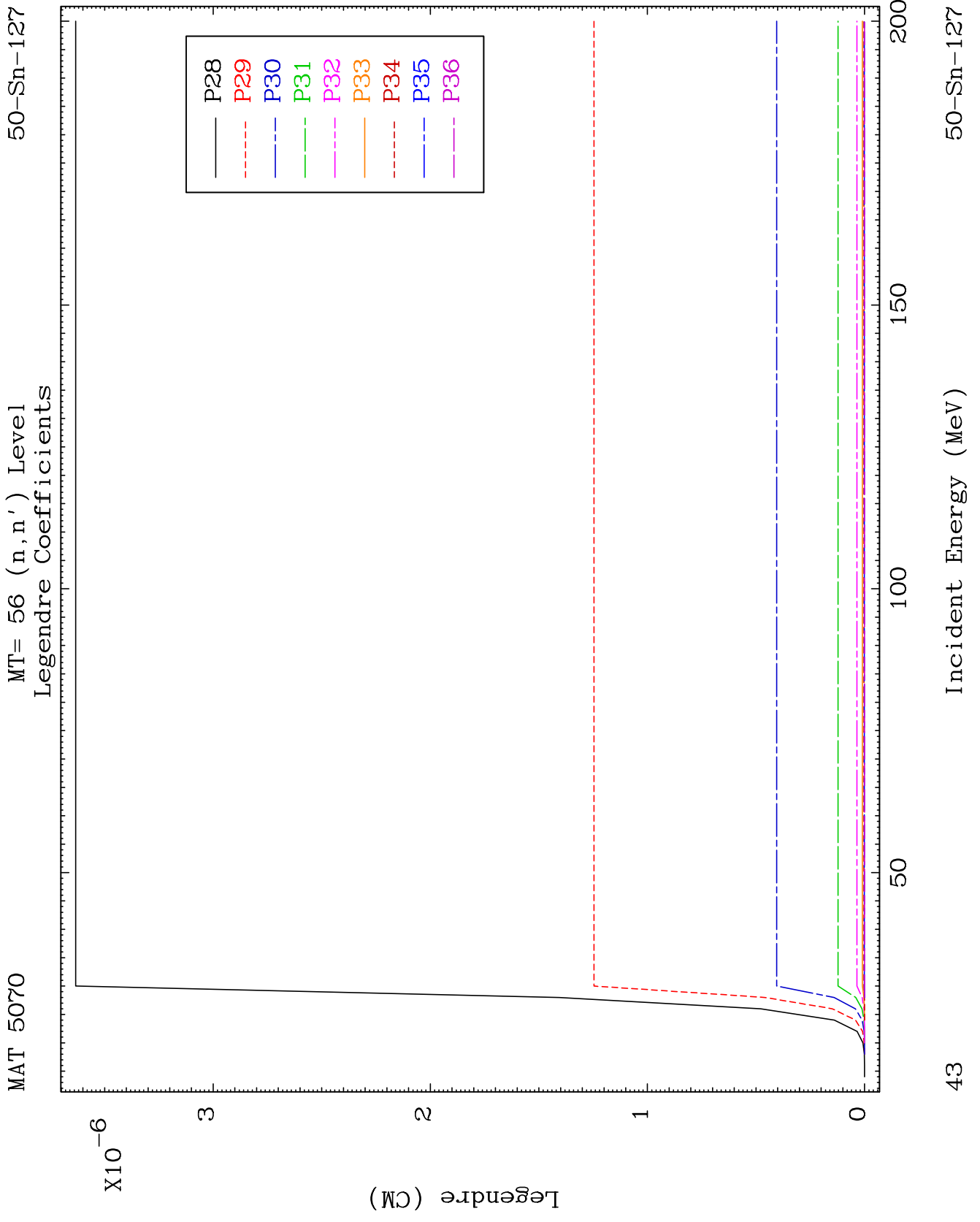


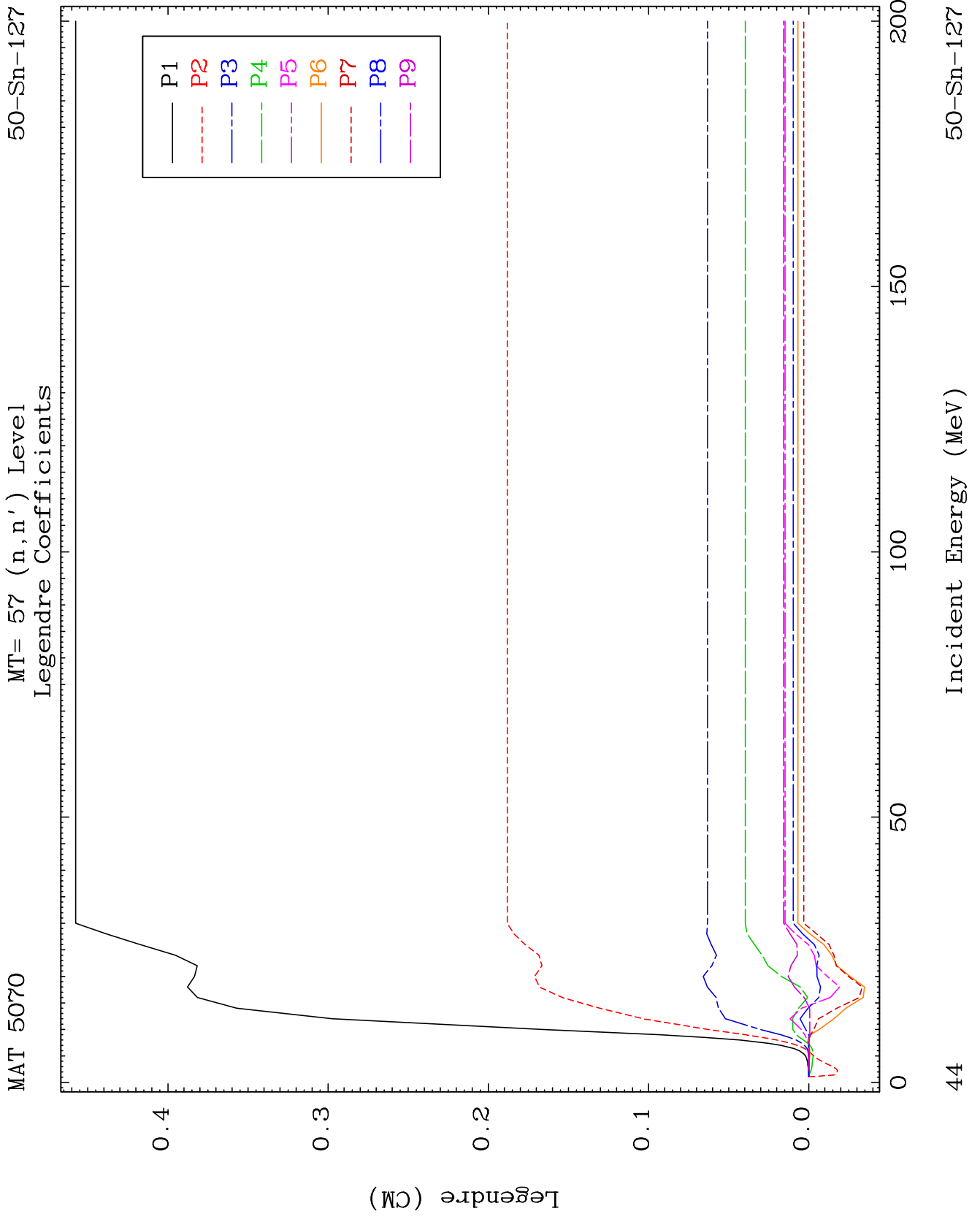








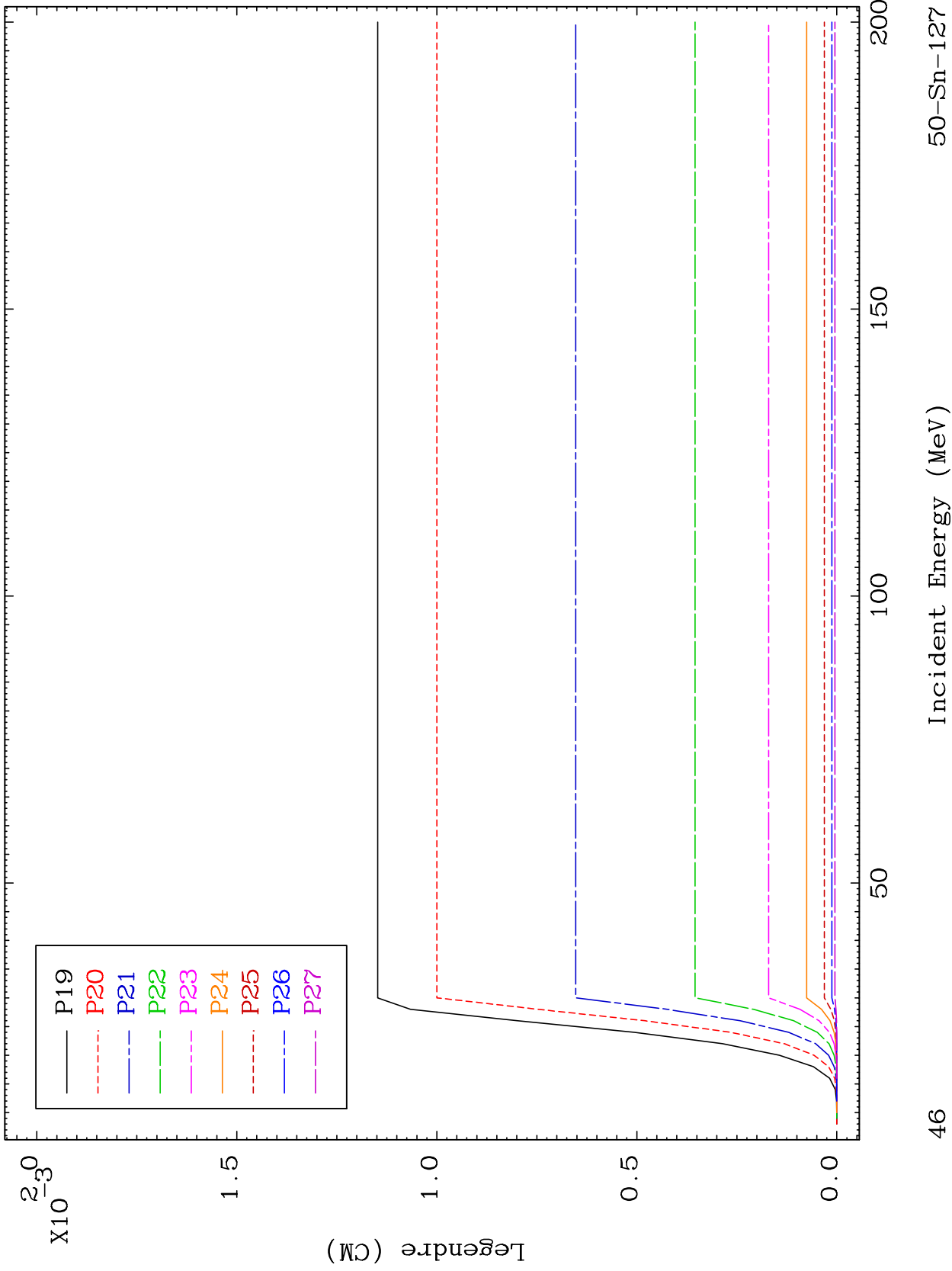




MAT 5070

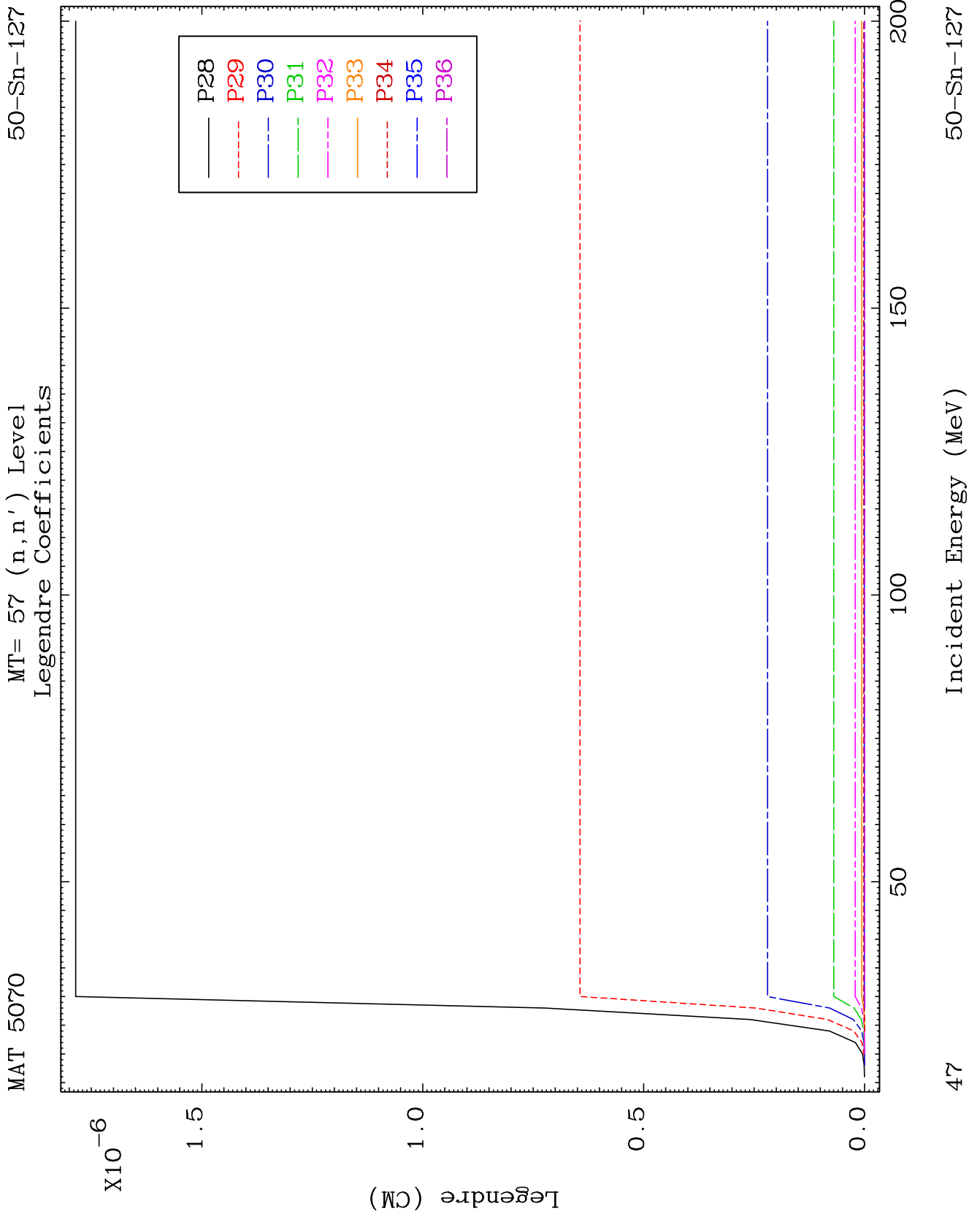
MT= 57 (n,n') Level
Legendre Coefficients

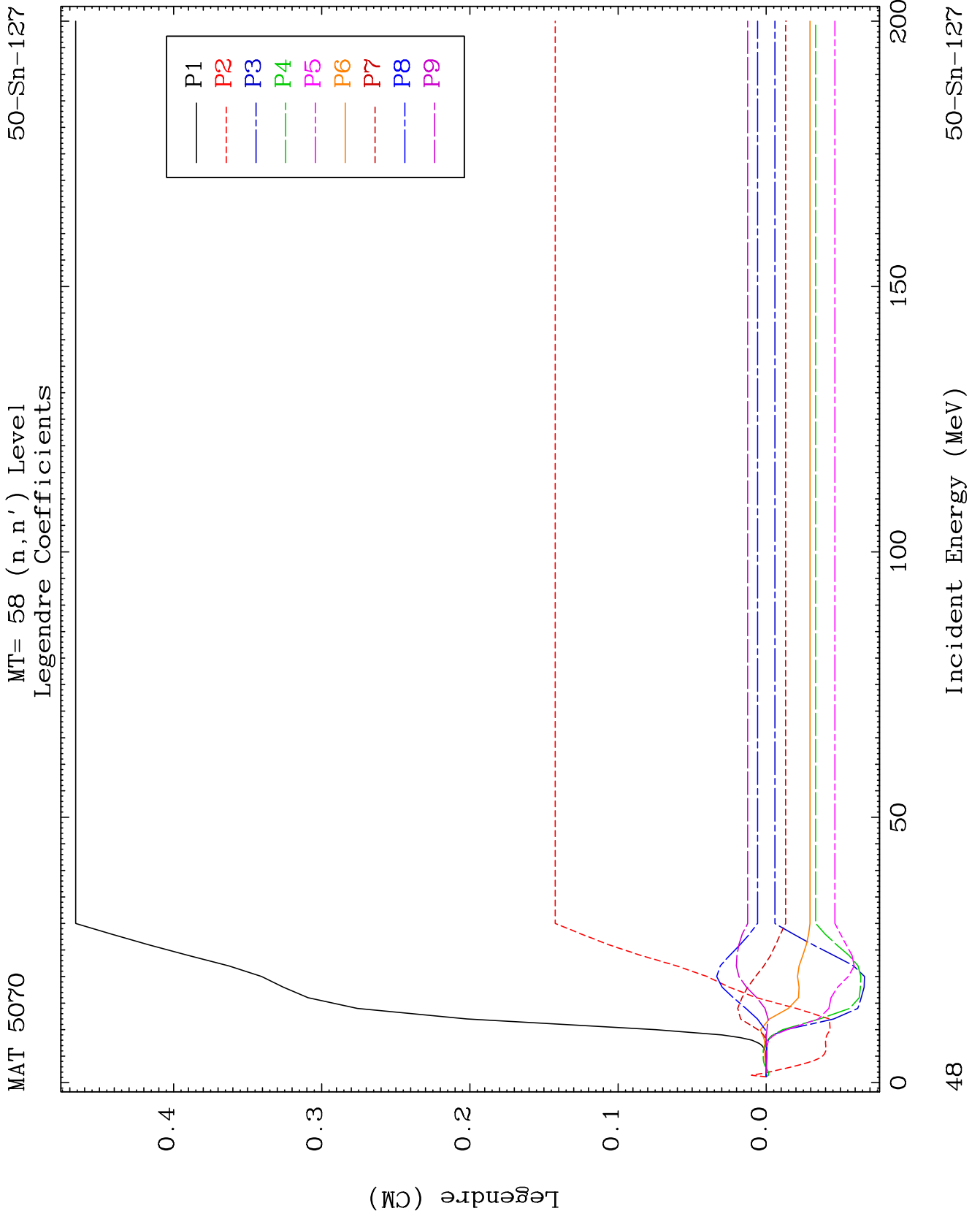
50-Sn-127



46

50-Sn-127

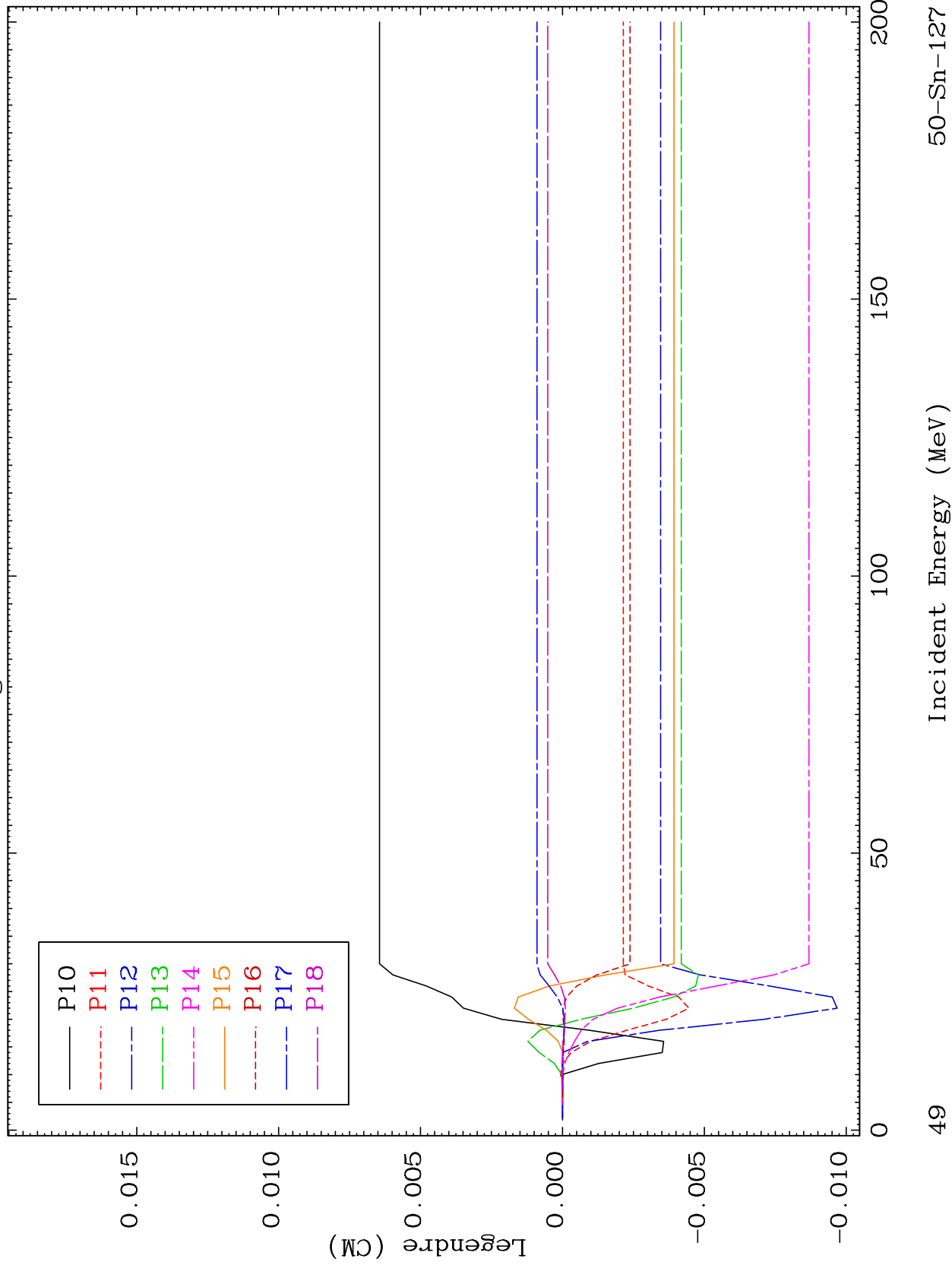




MAT 5070

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

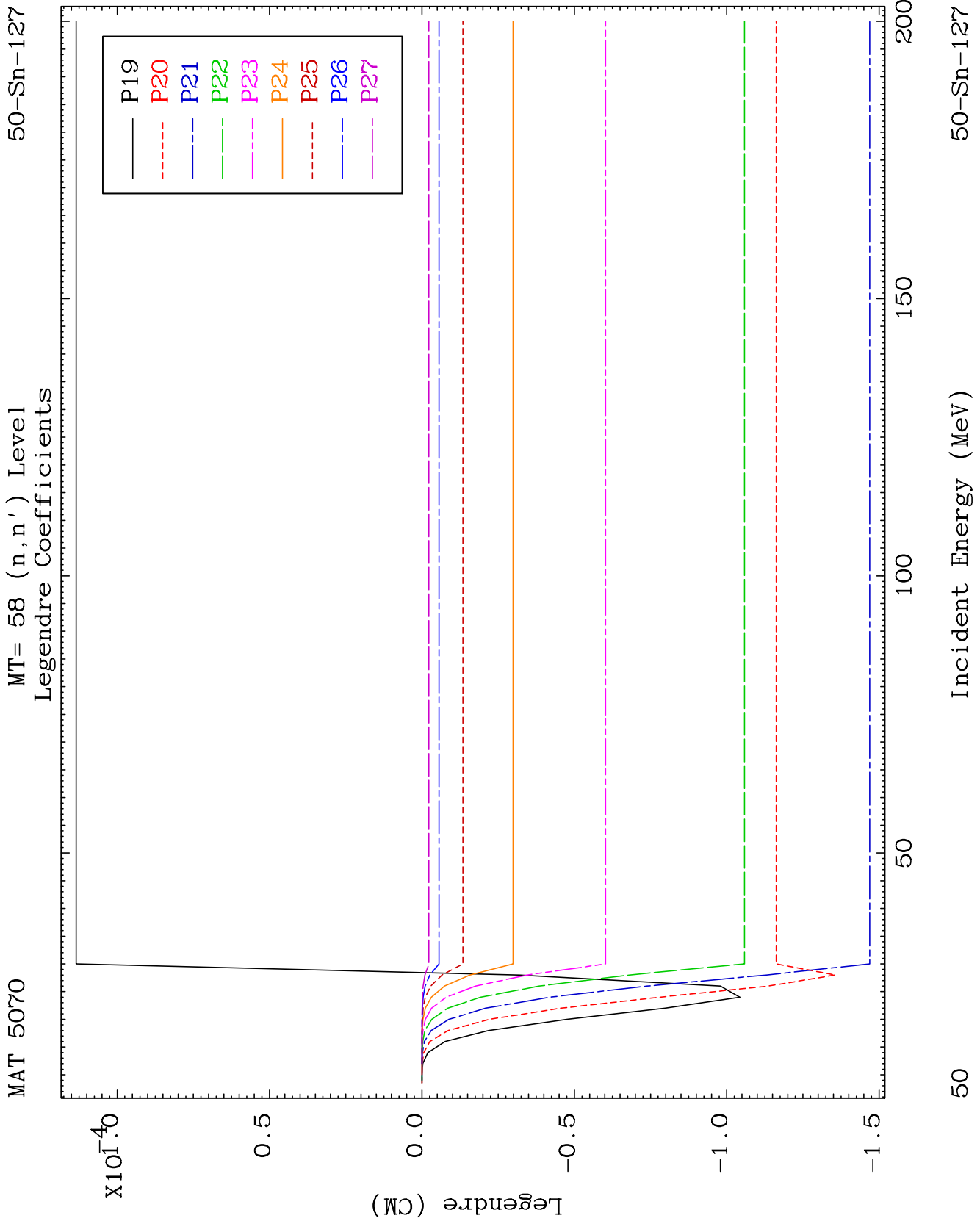
50-Sn-127

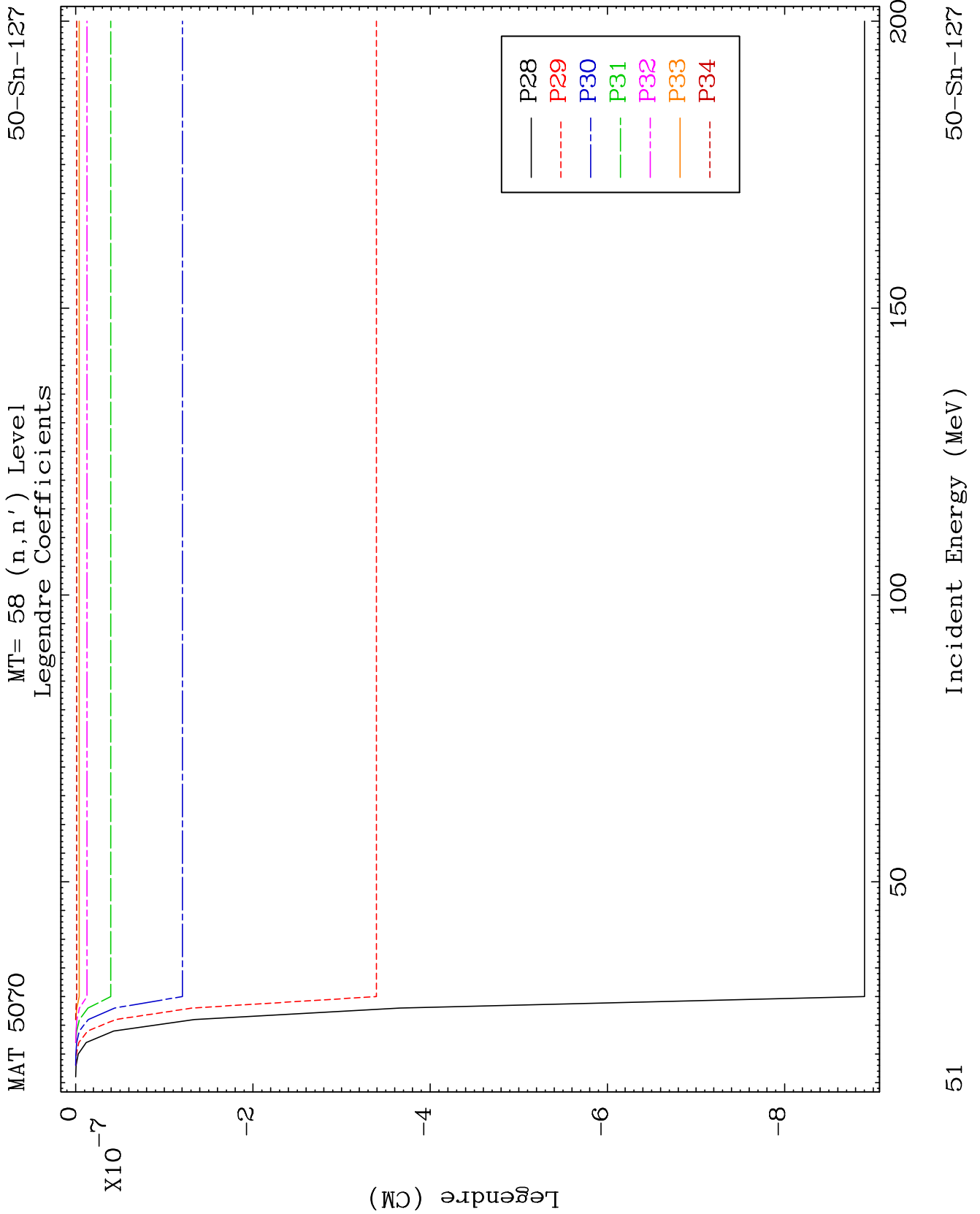


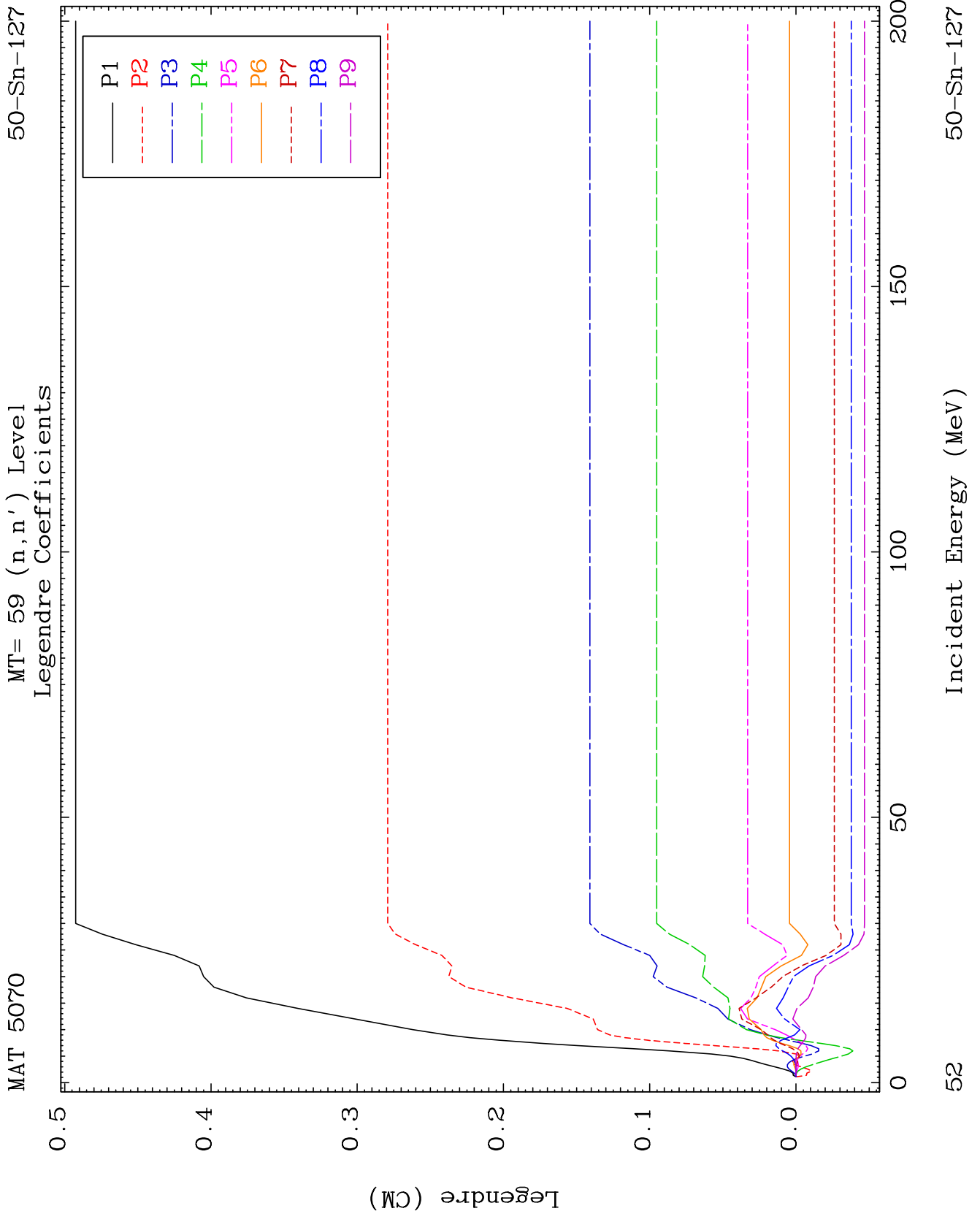
49

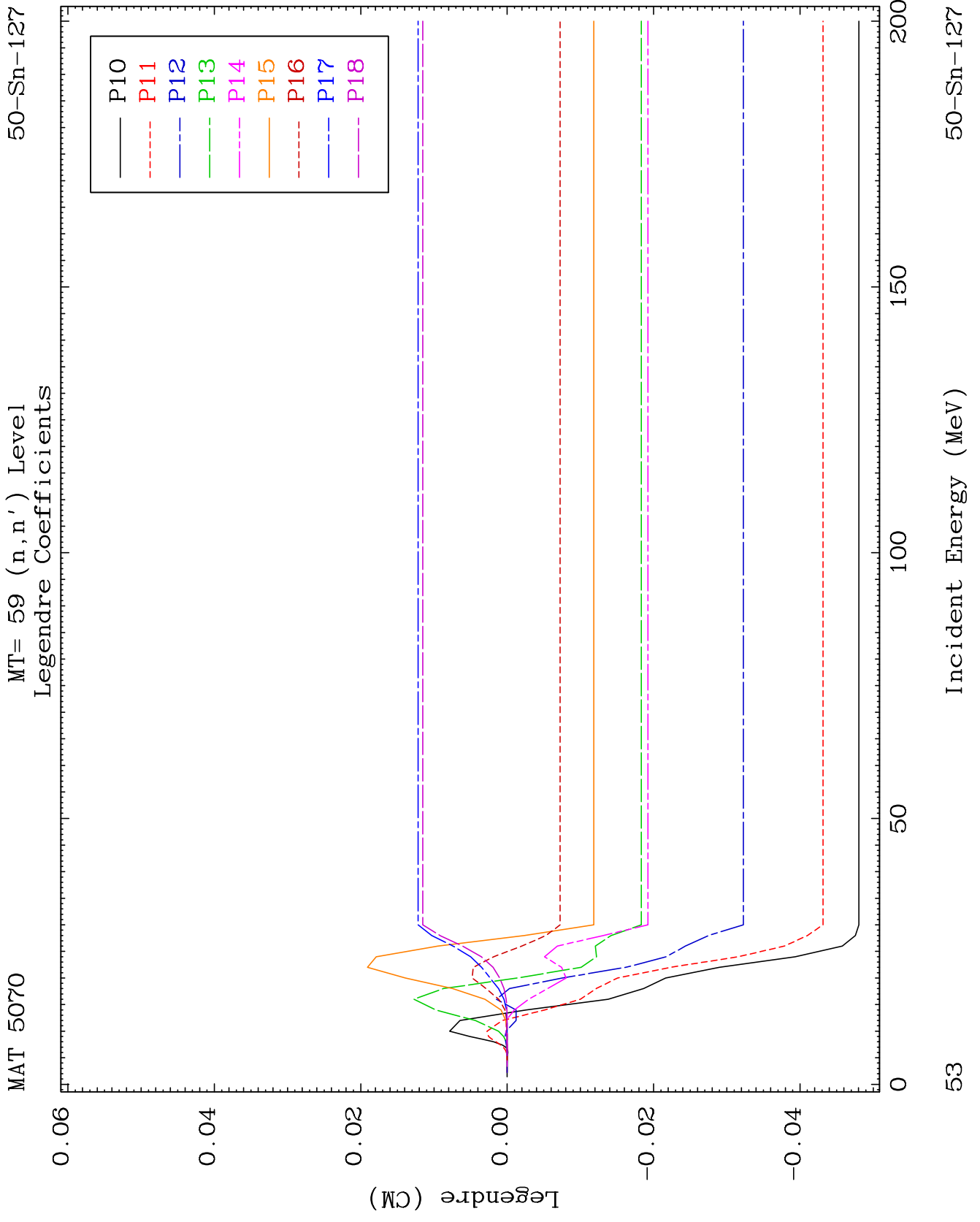
Incident Energy (MeV)

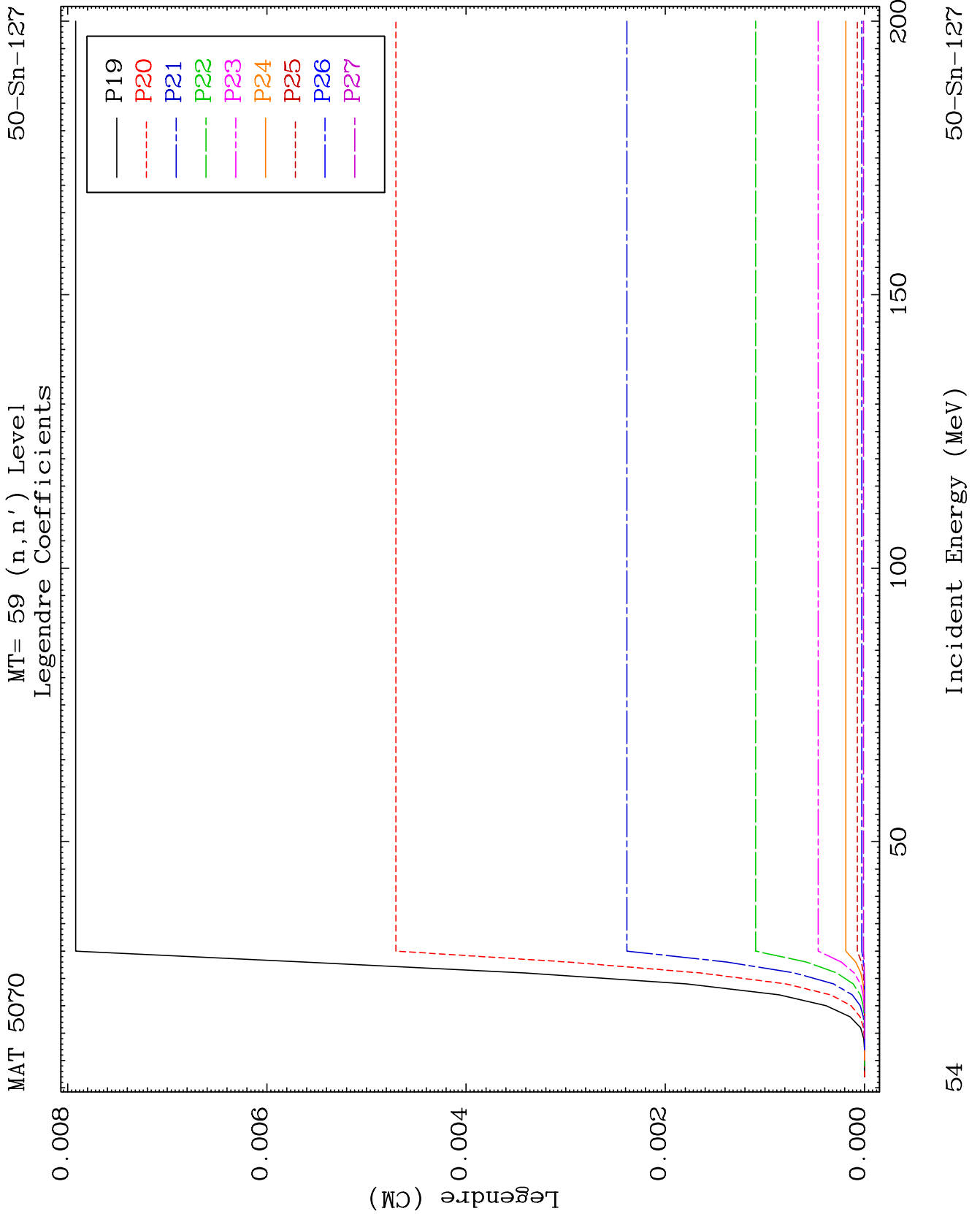
50-Sn-127

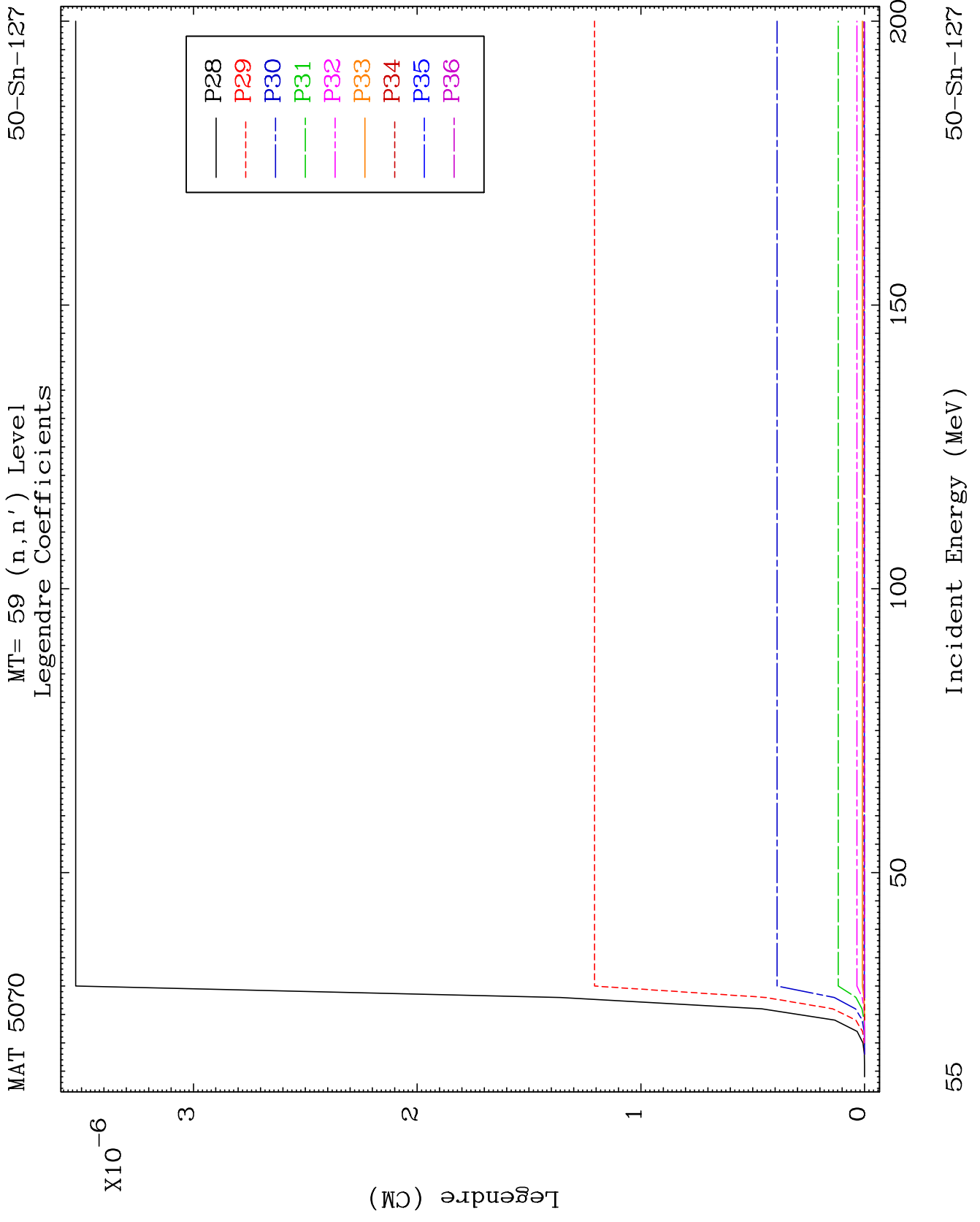


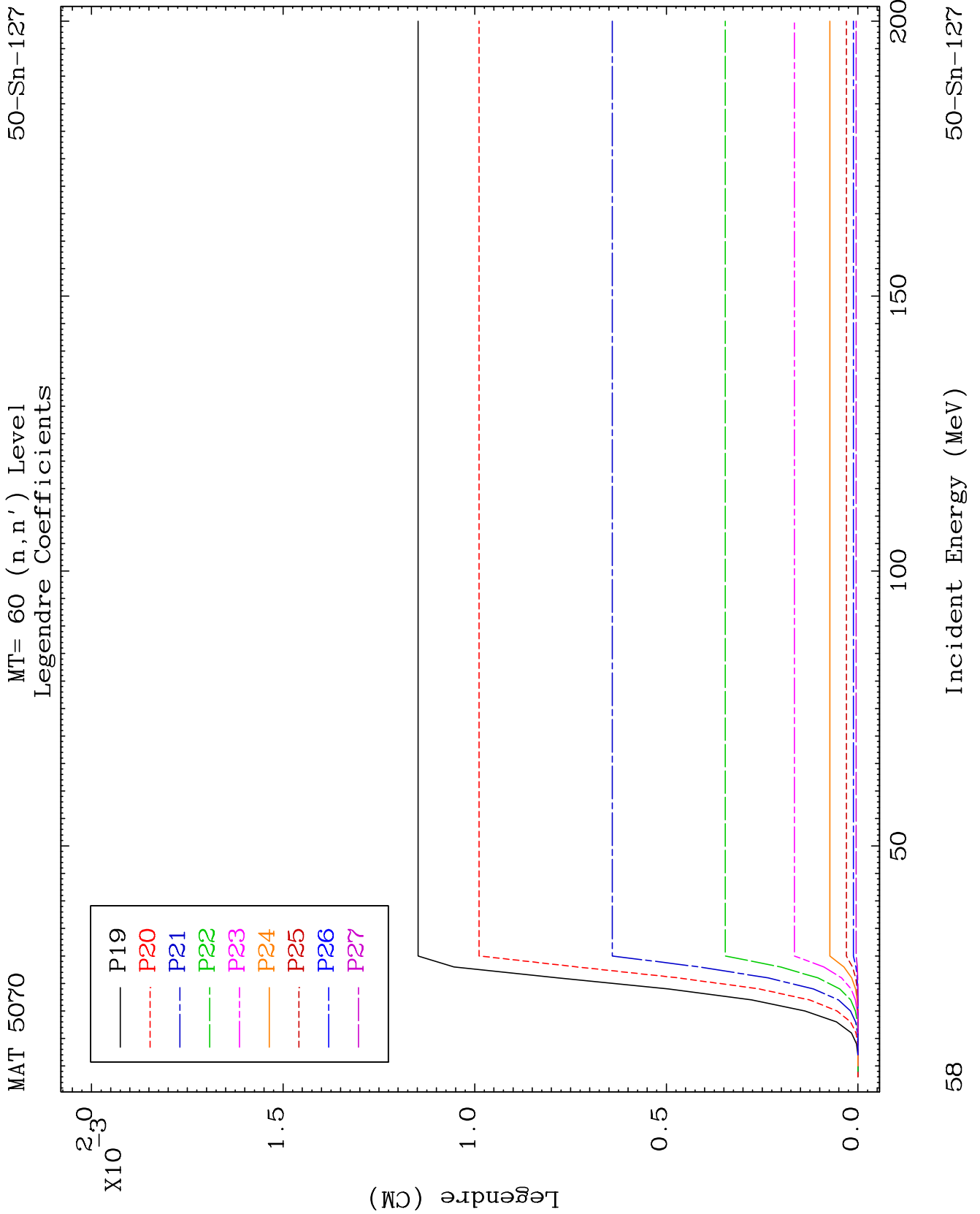


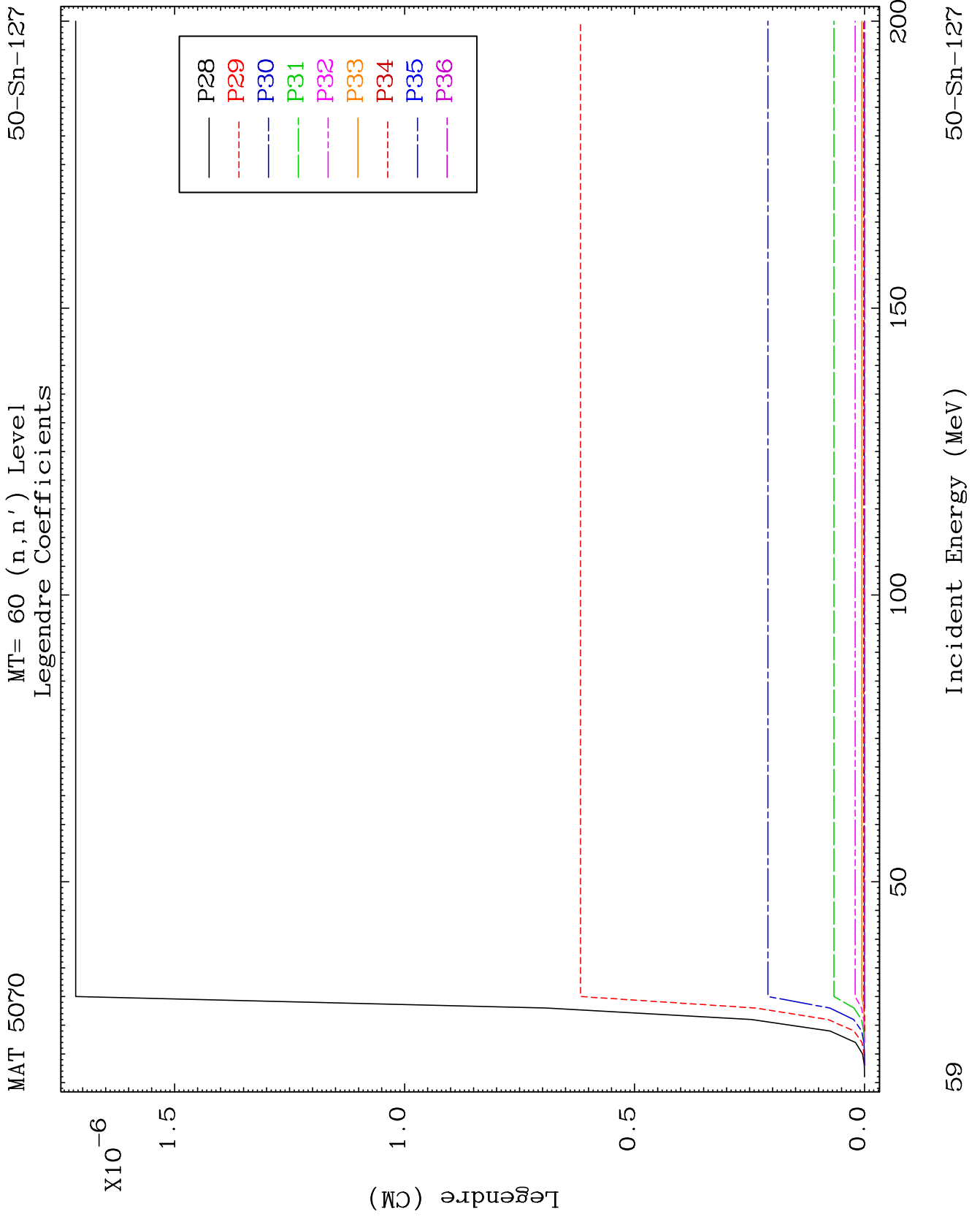


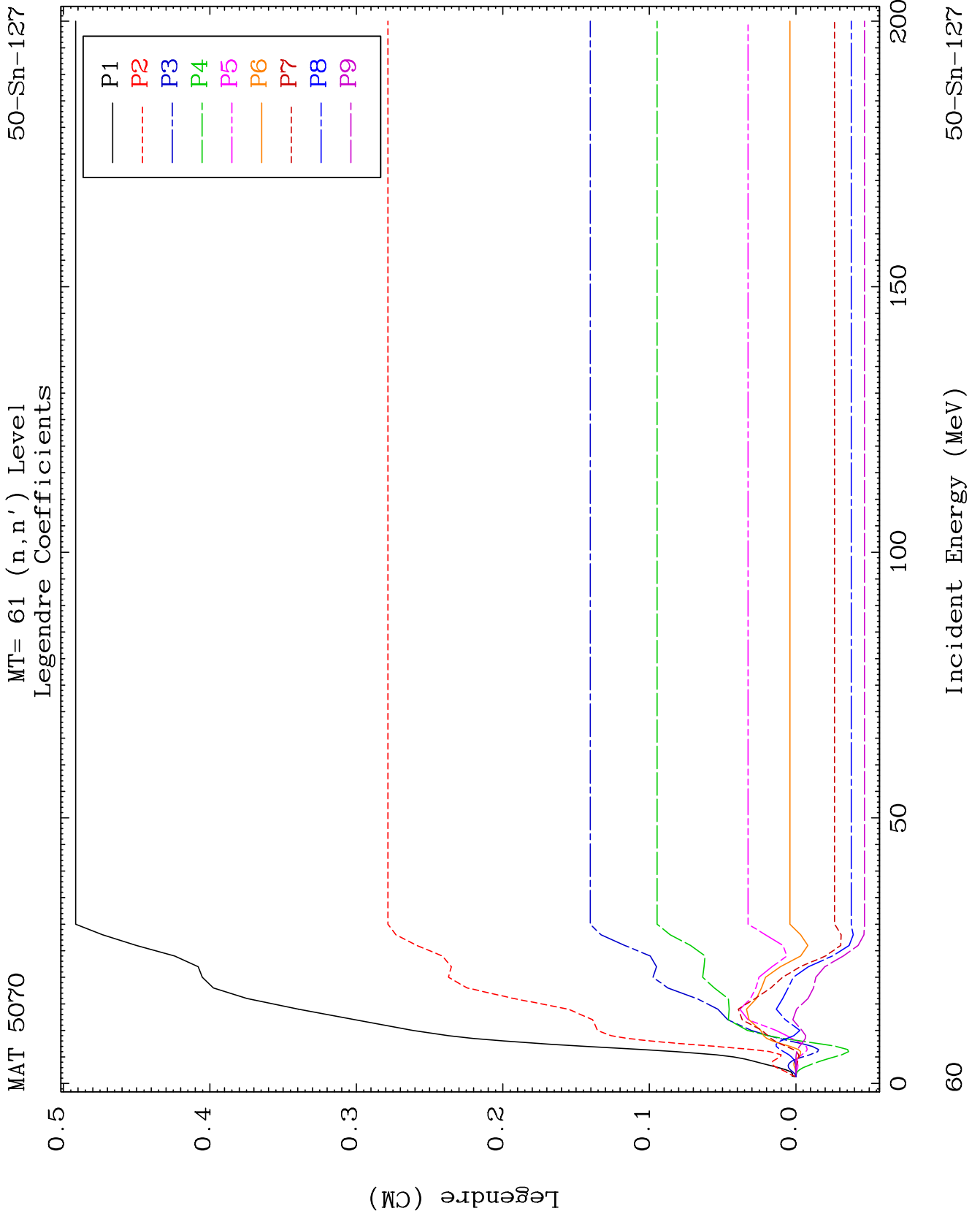


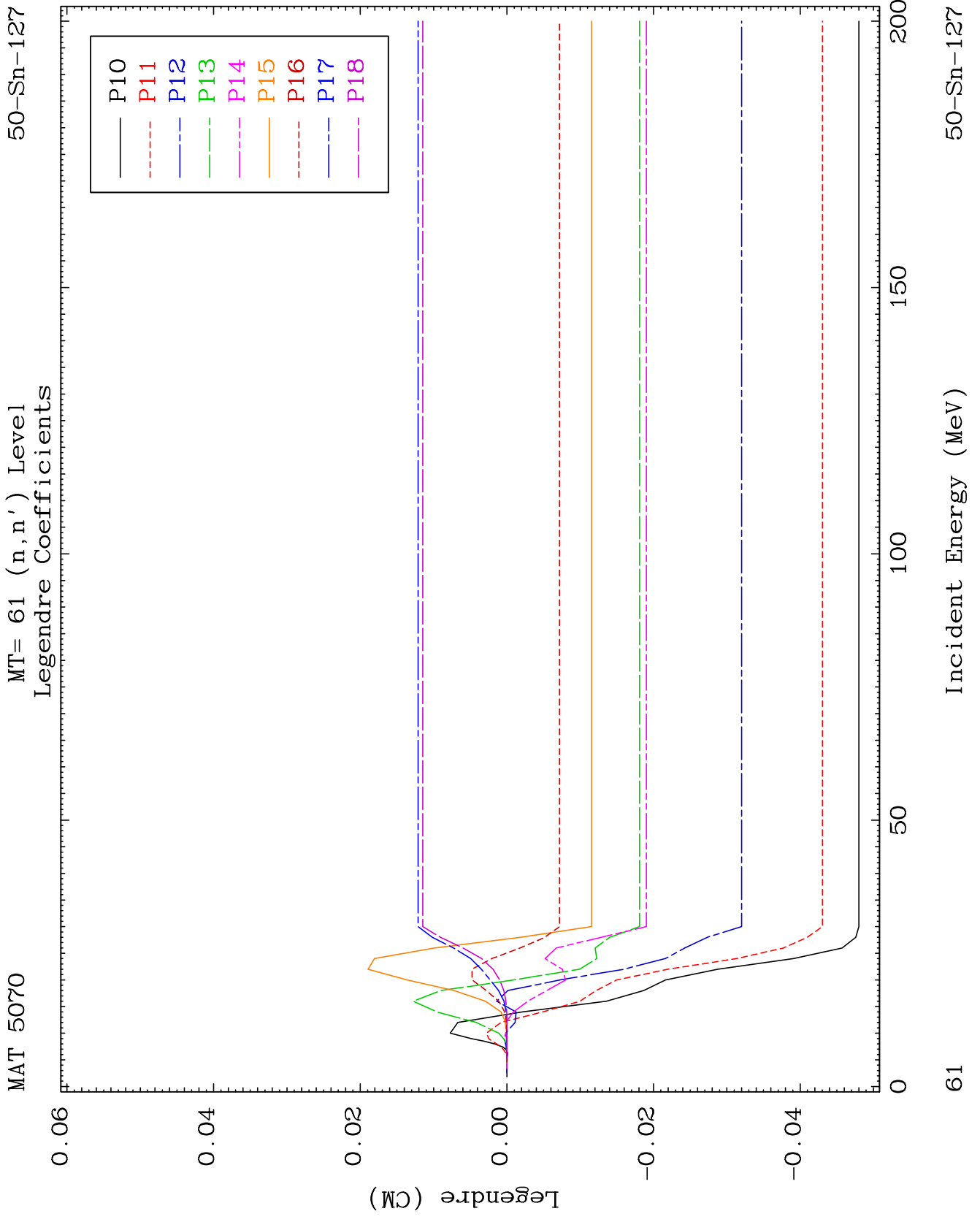


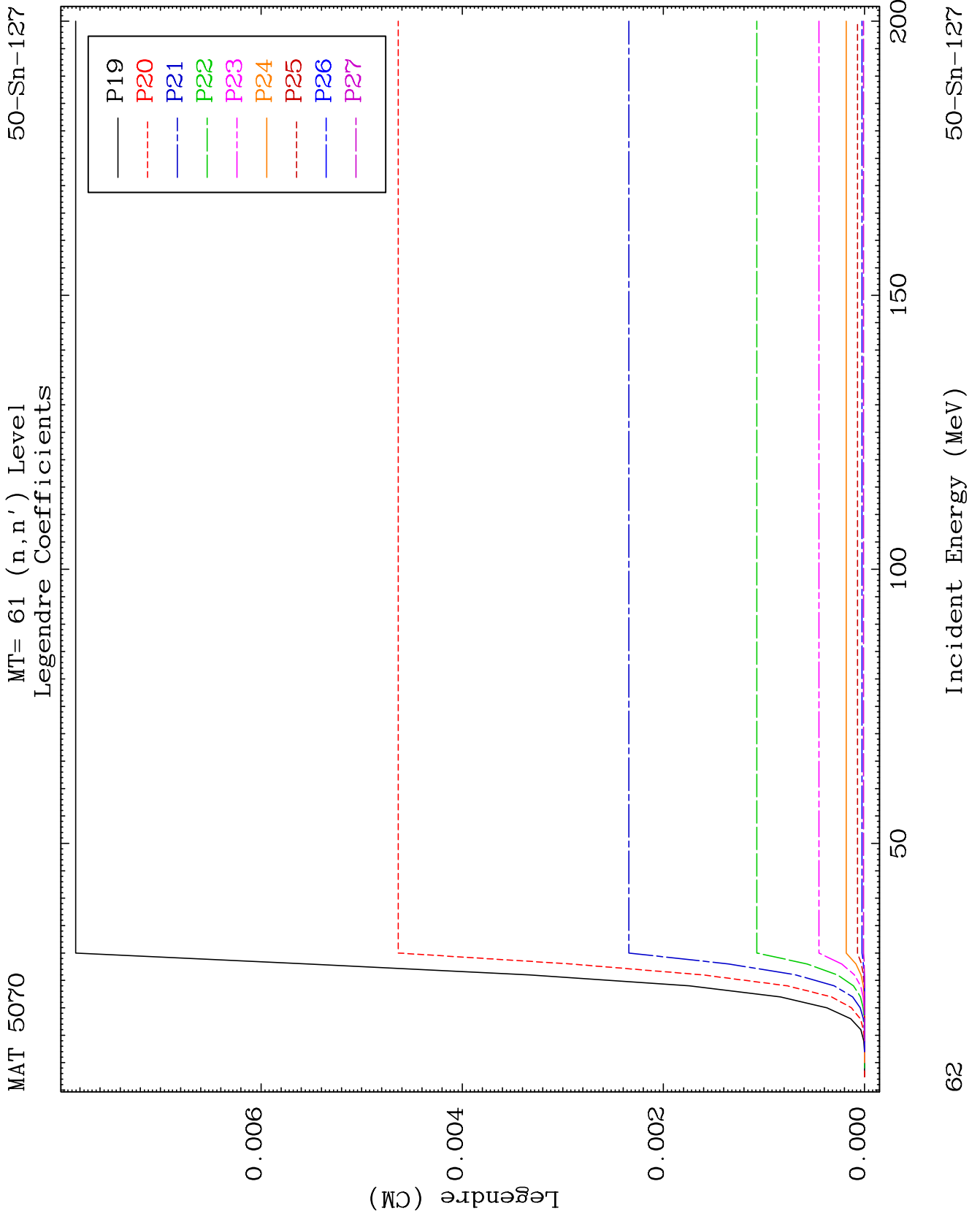


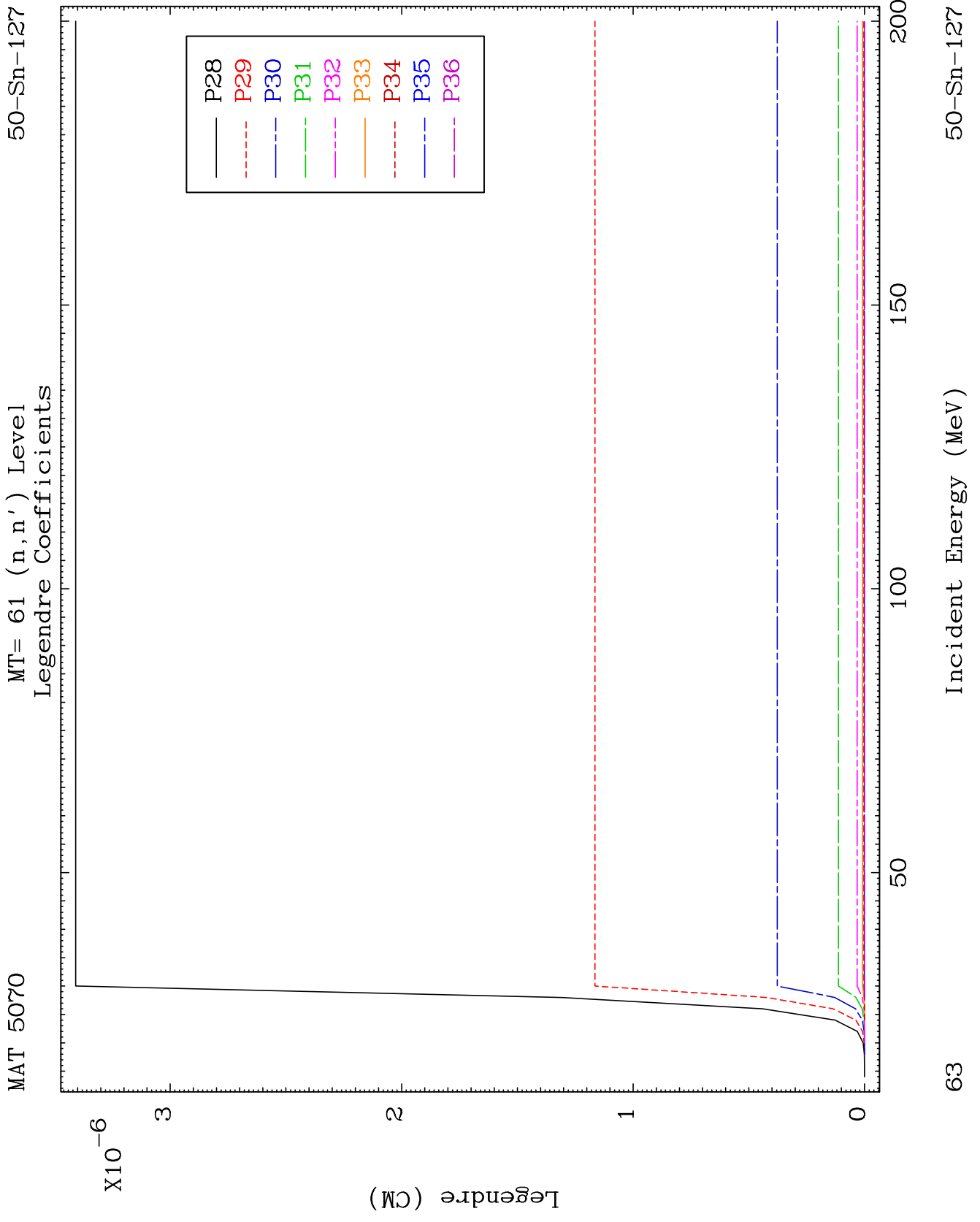


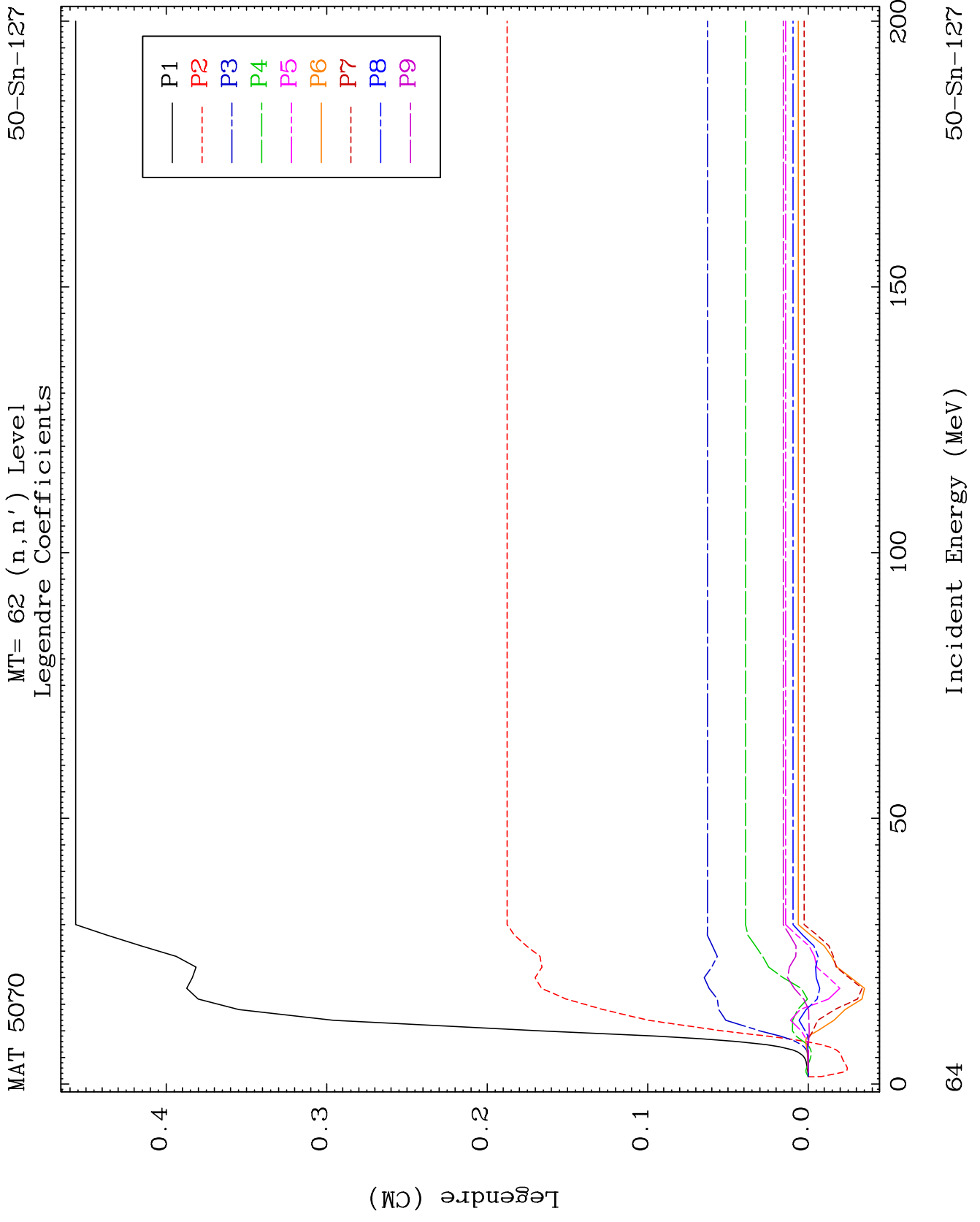


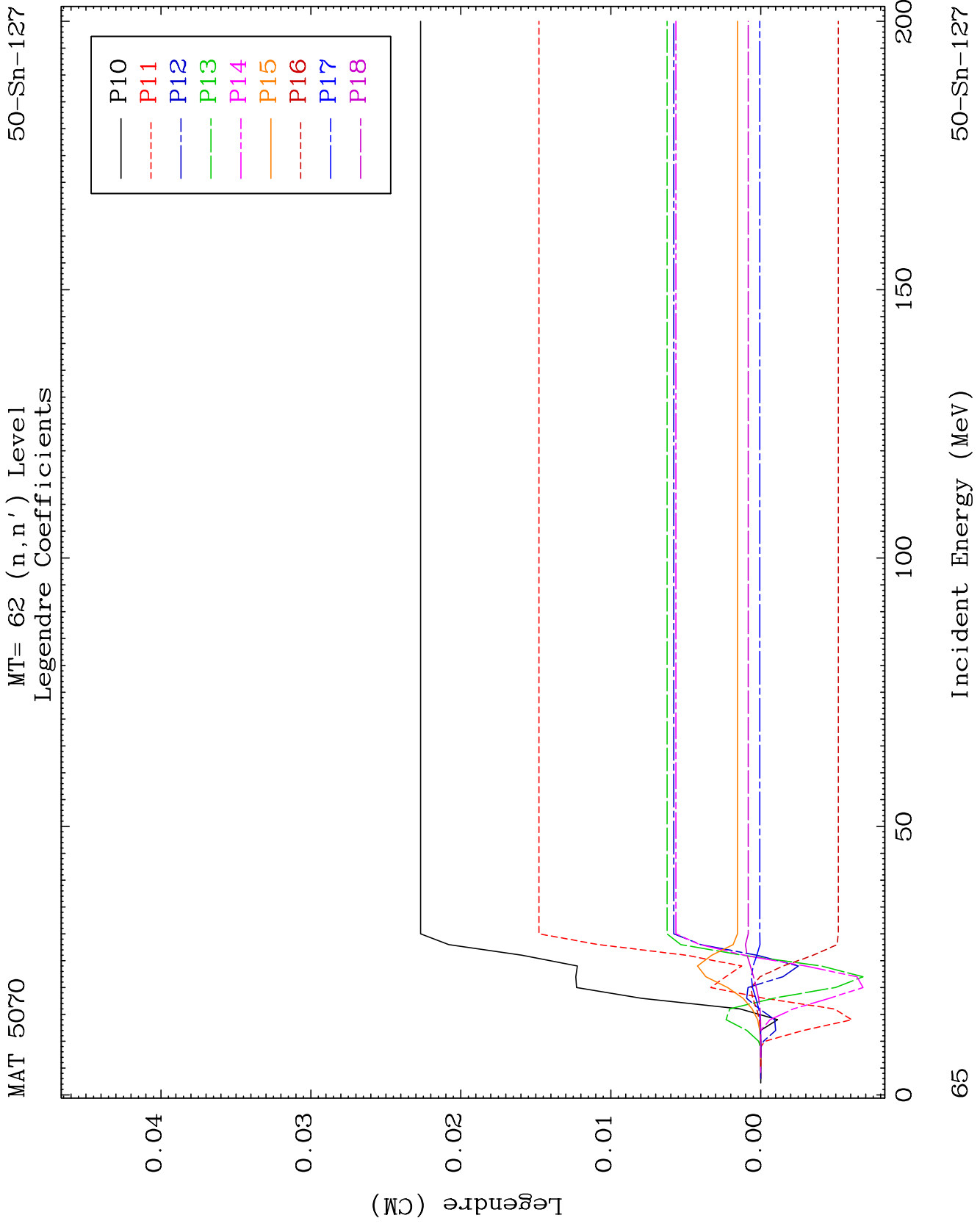




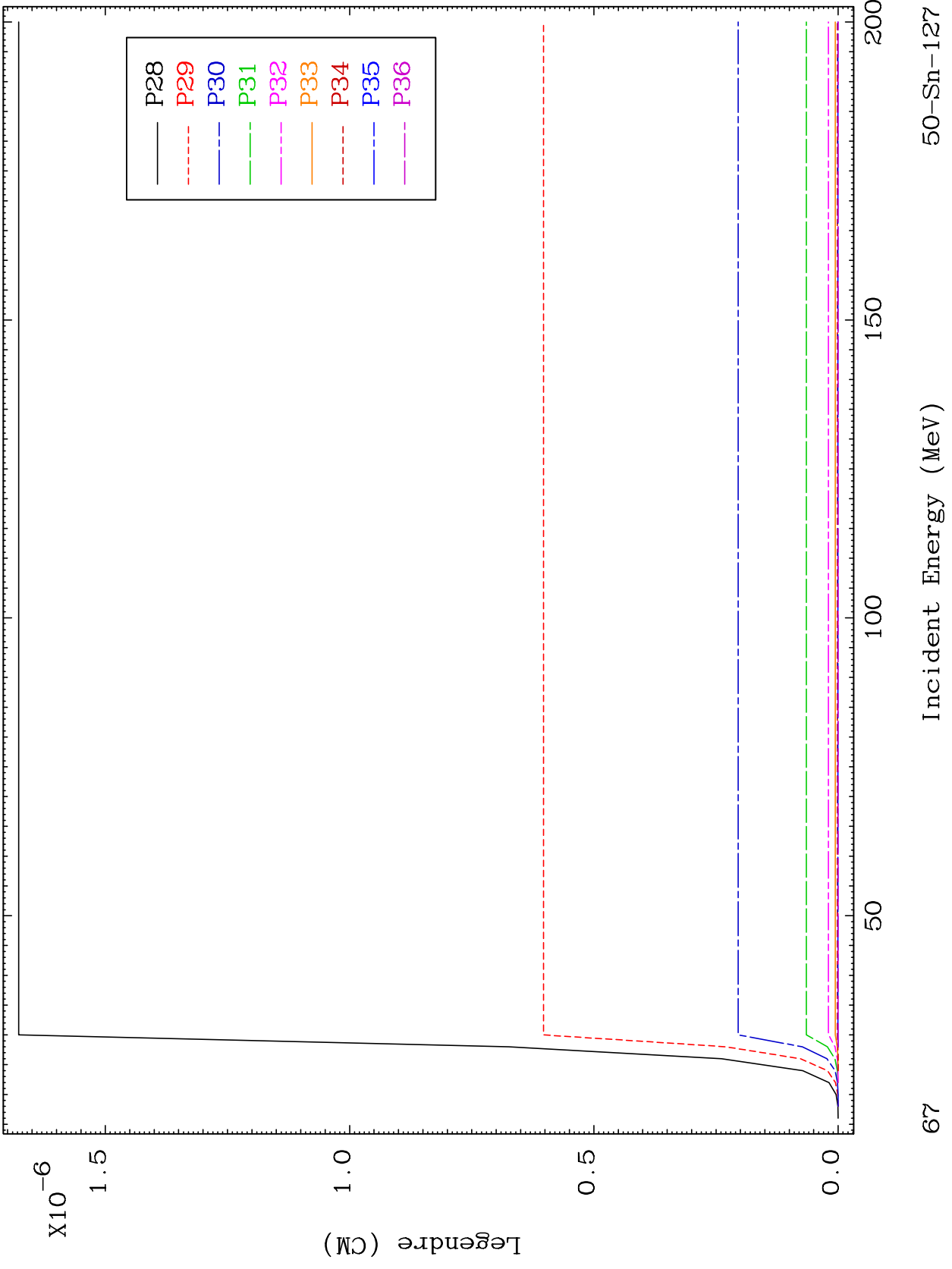


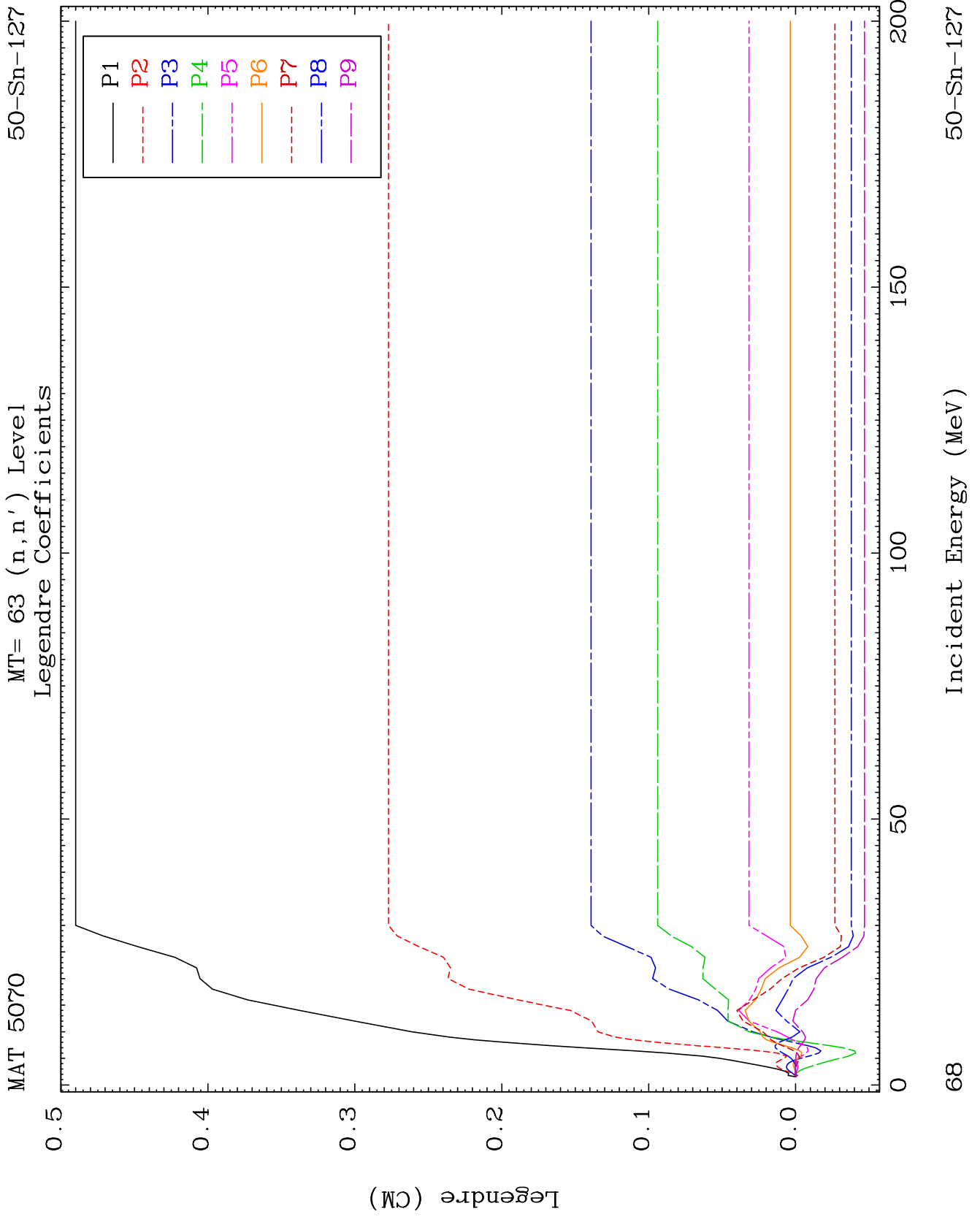


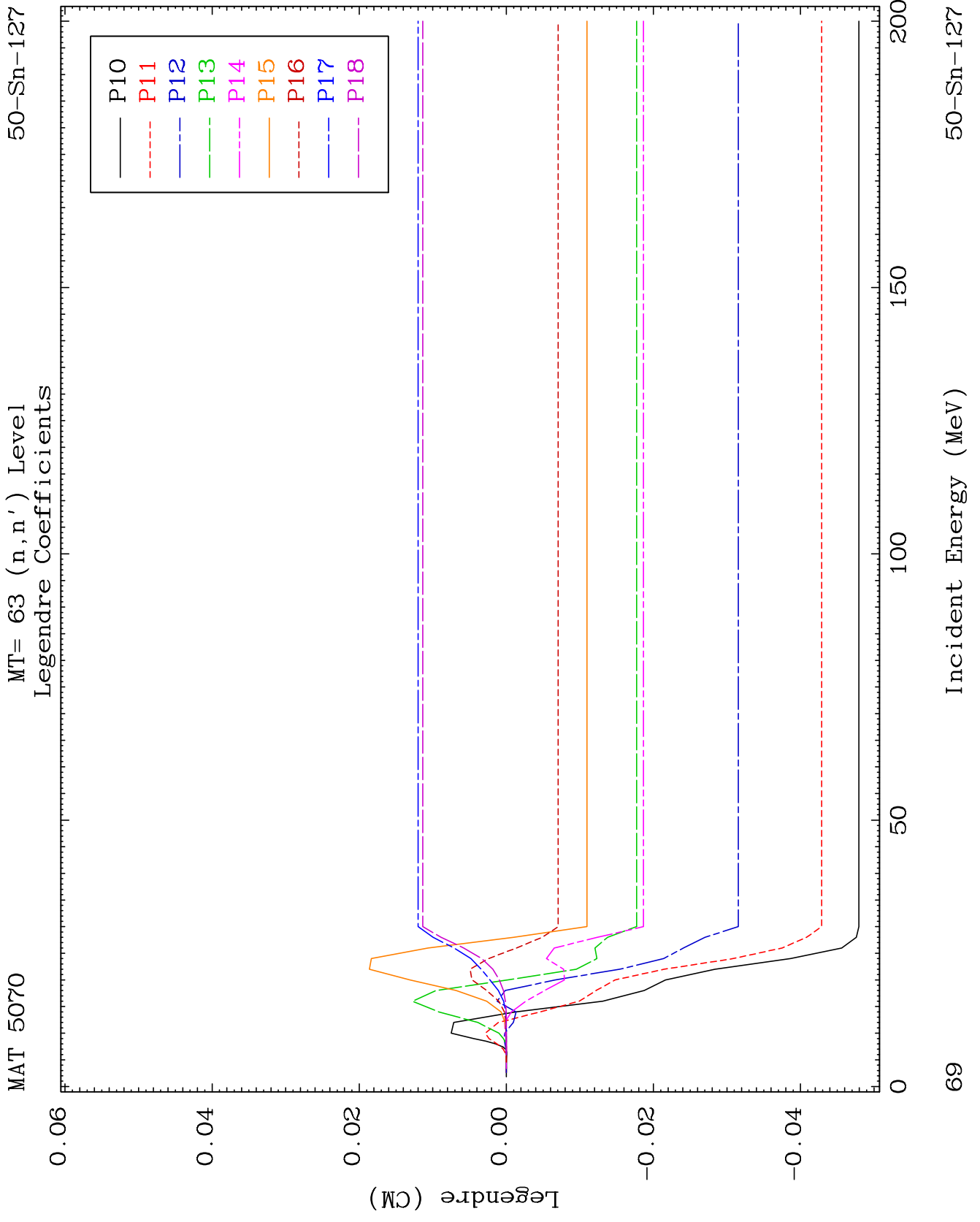


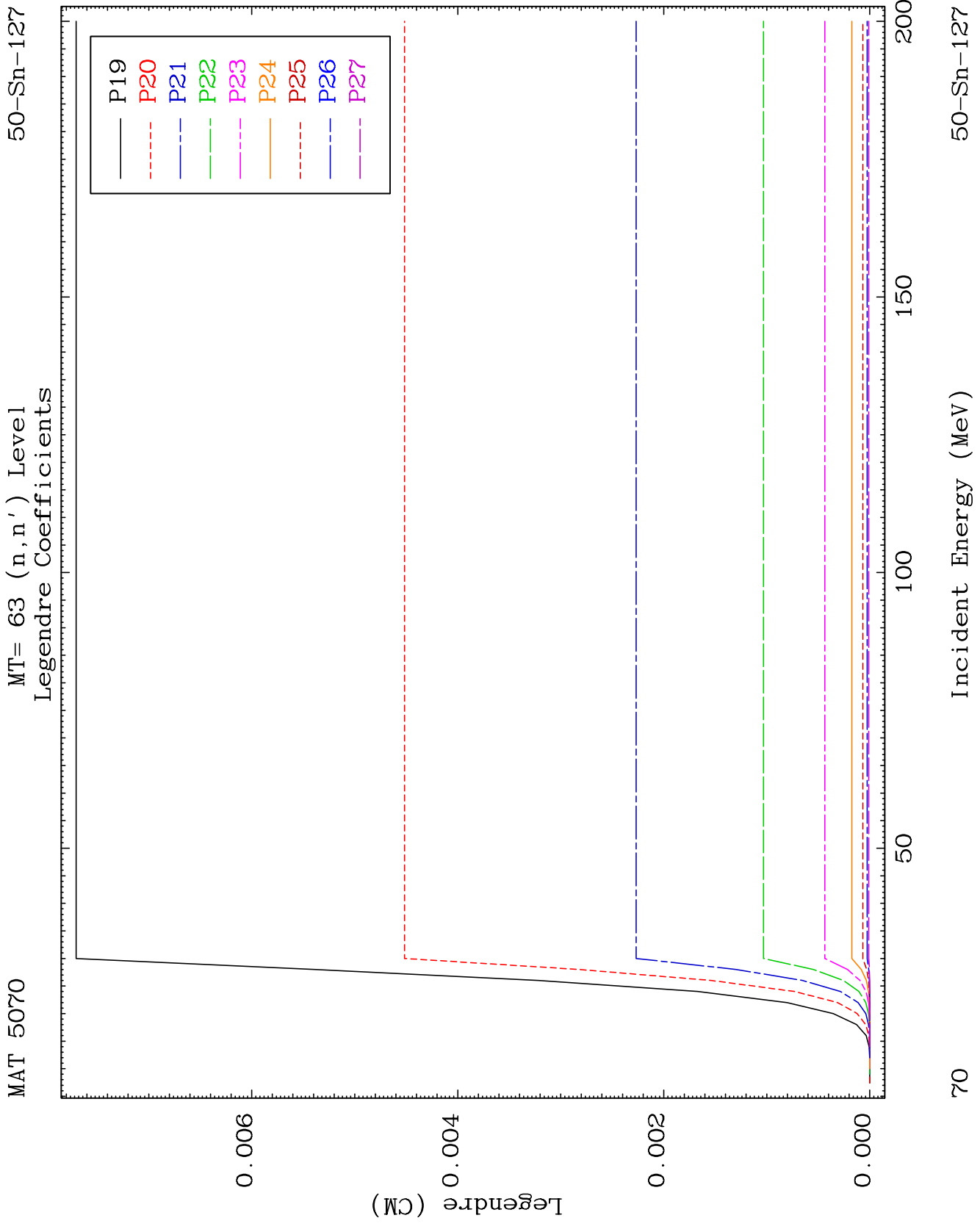


MAT 5070 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-127





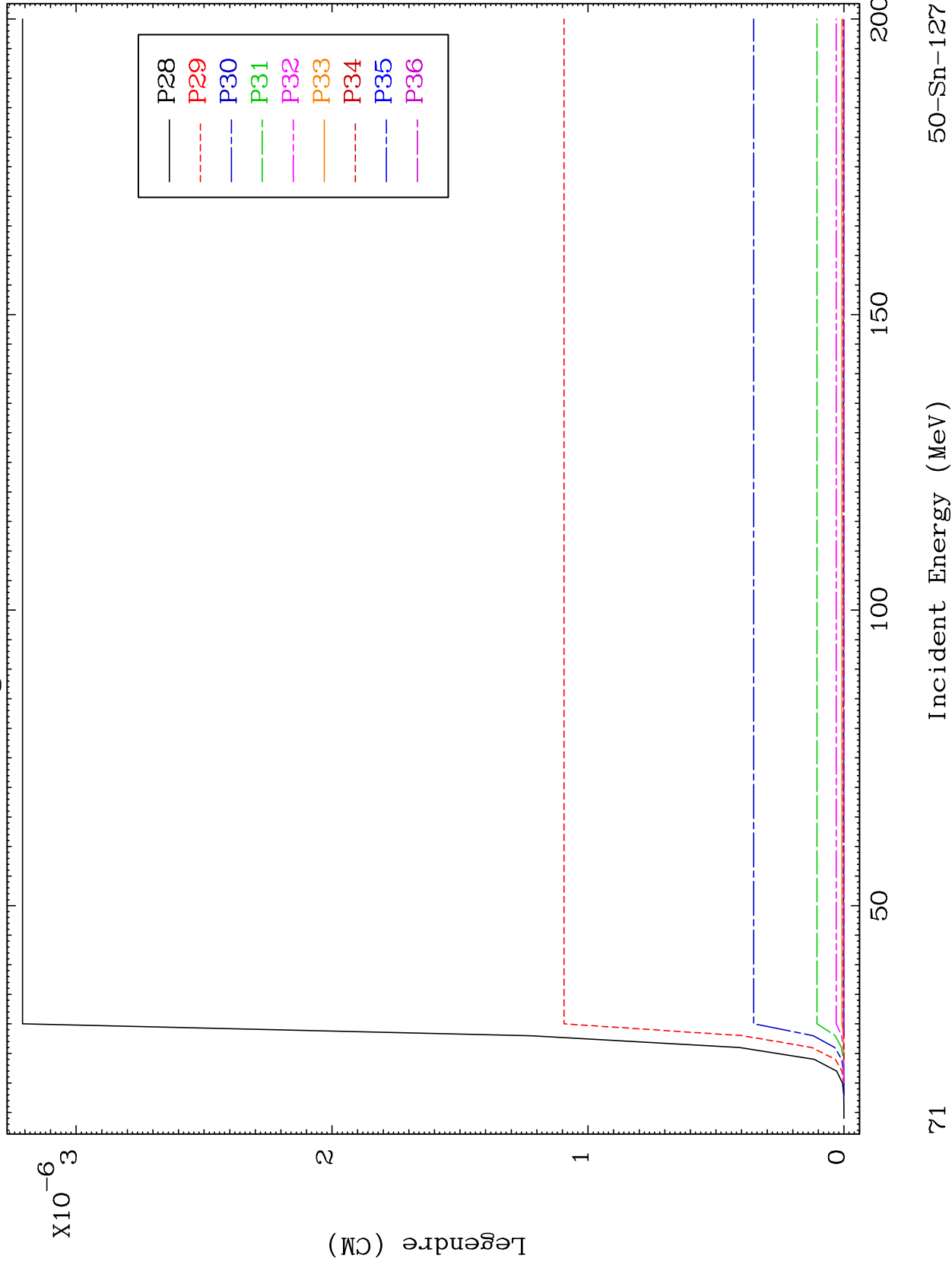




MAT 5070

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

50-Sn-127



71

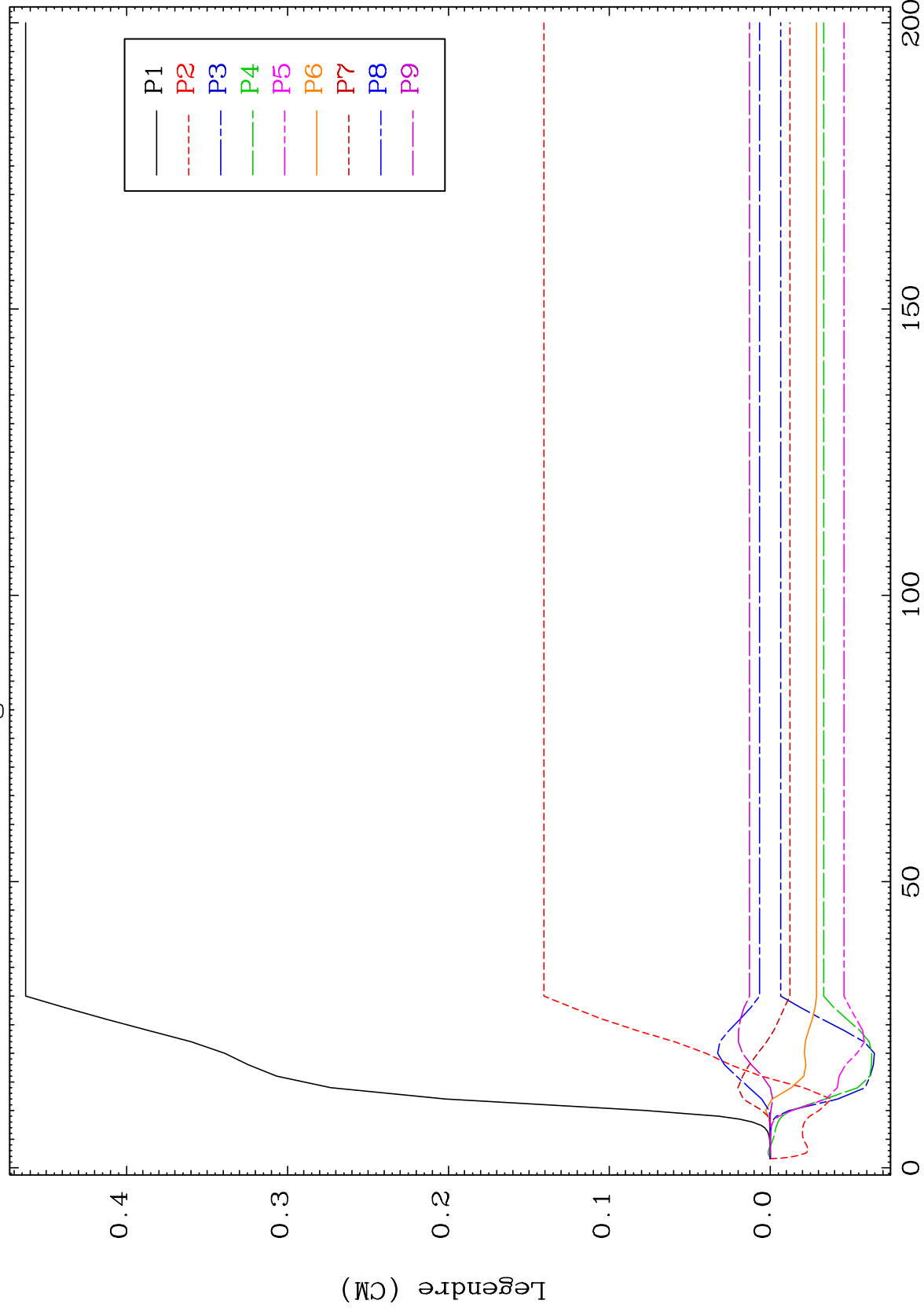
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

50-Sn-127



72

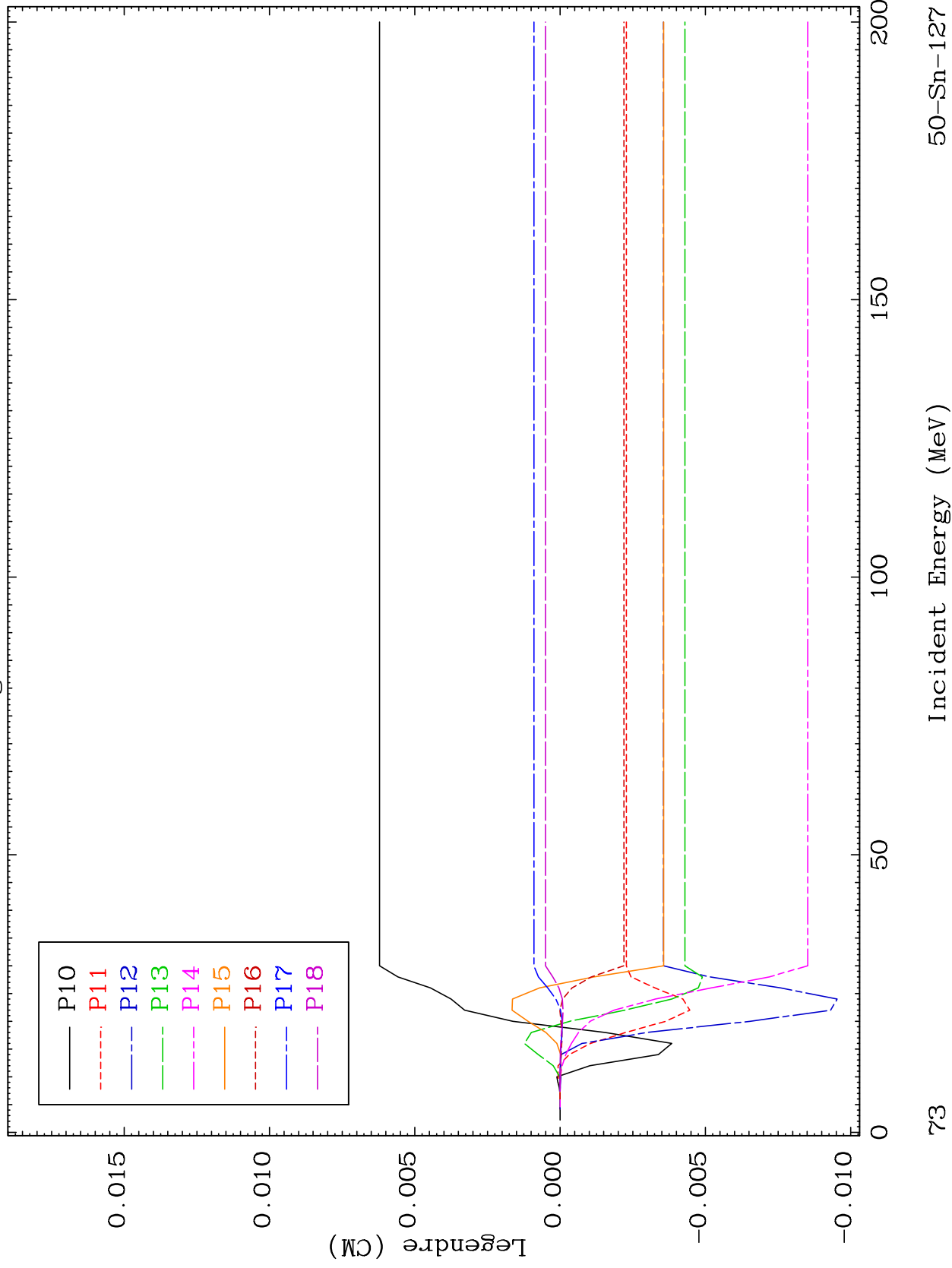
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

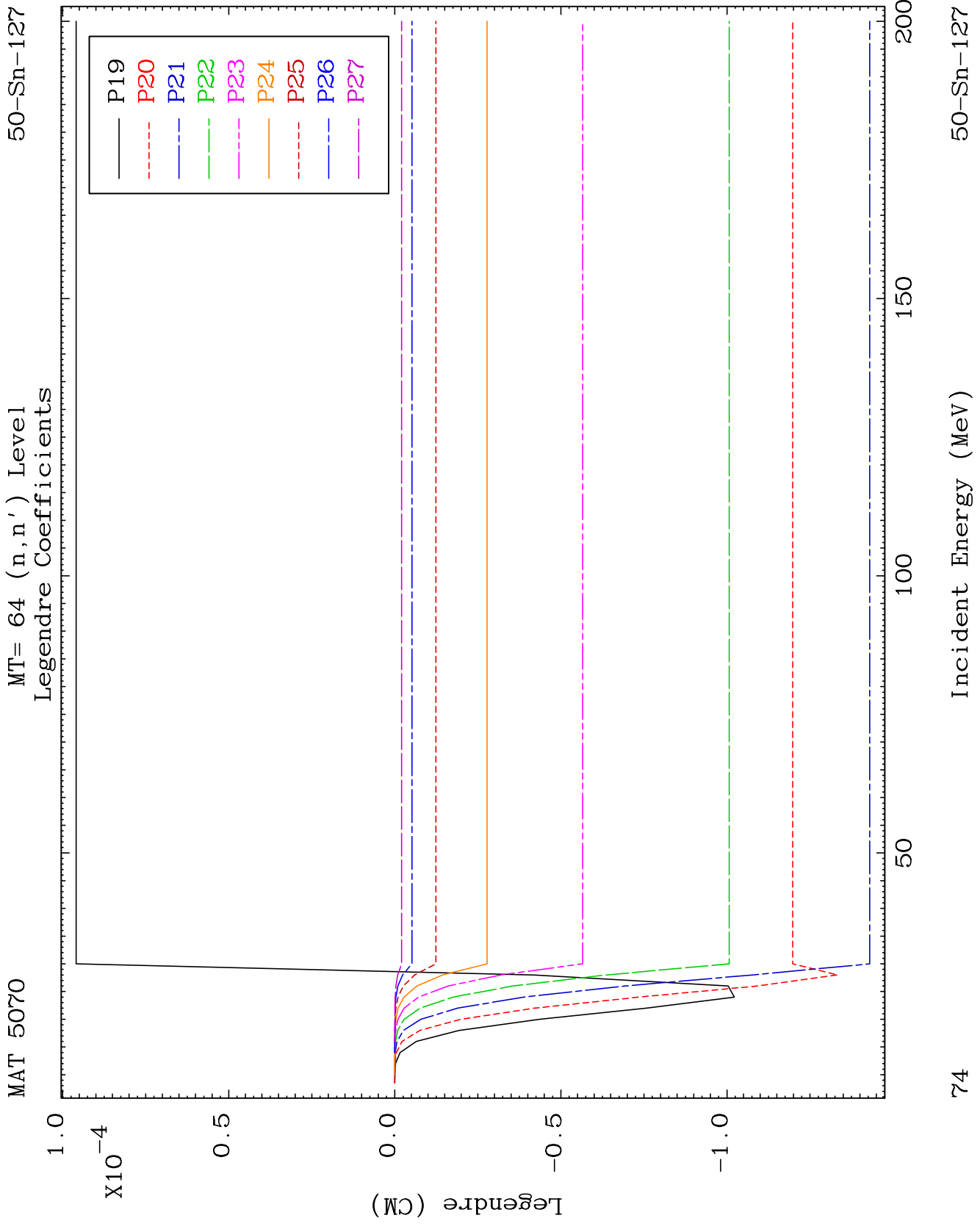
50-Sn-127

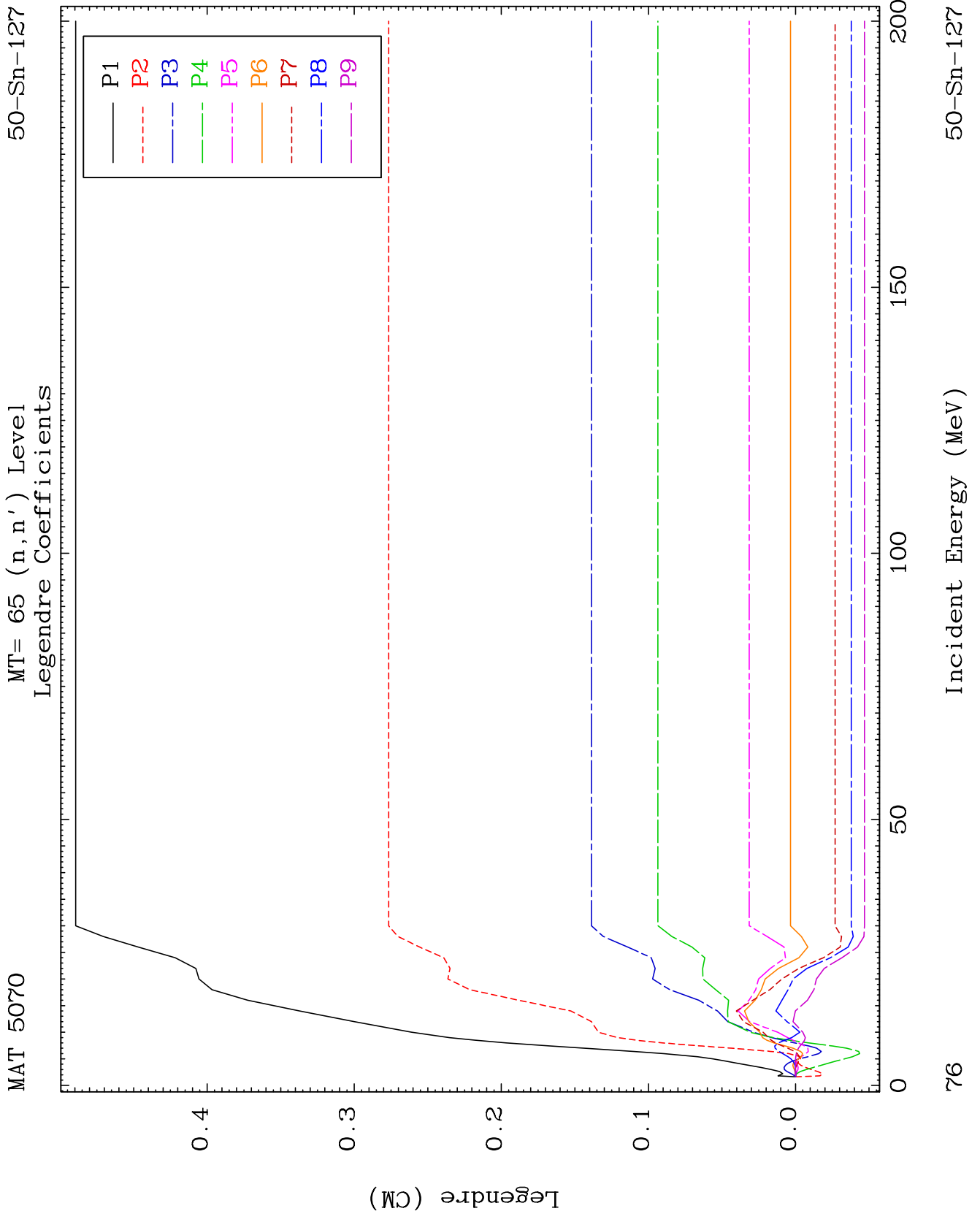


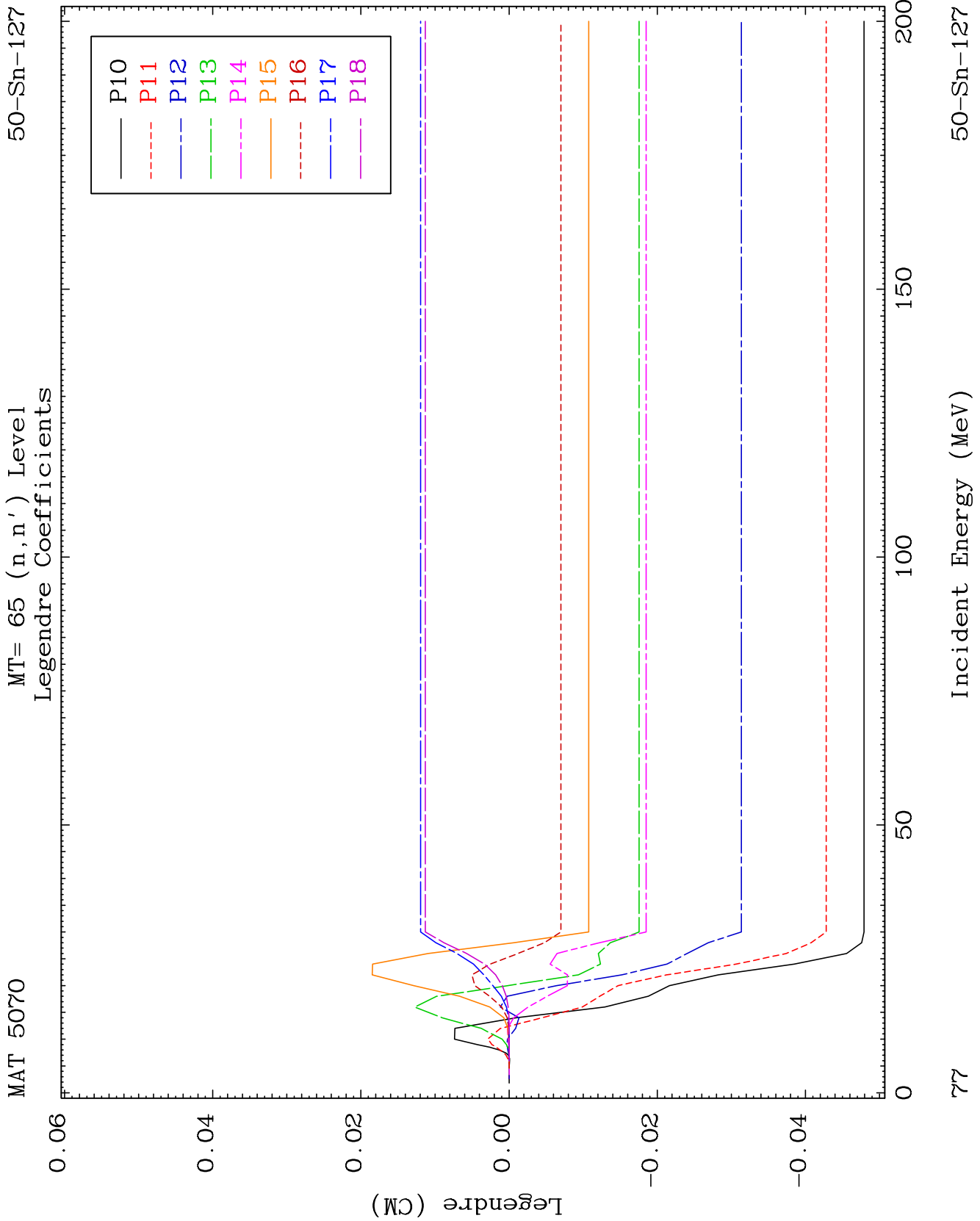
73

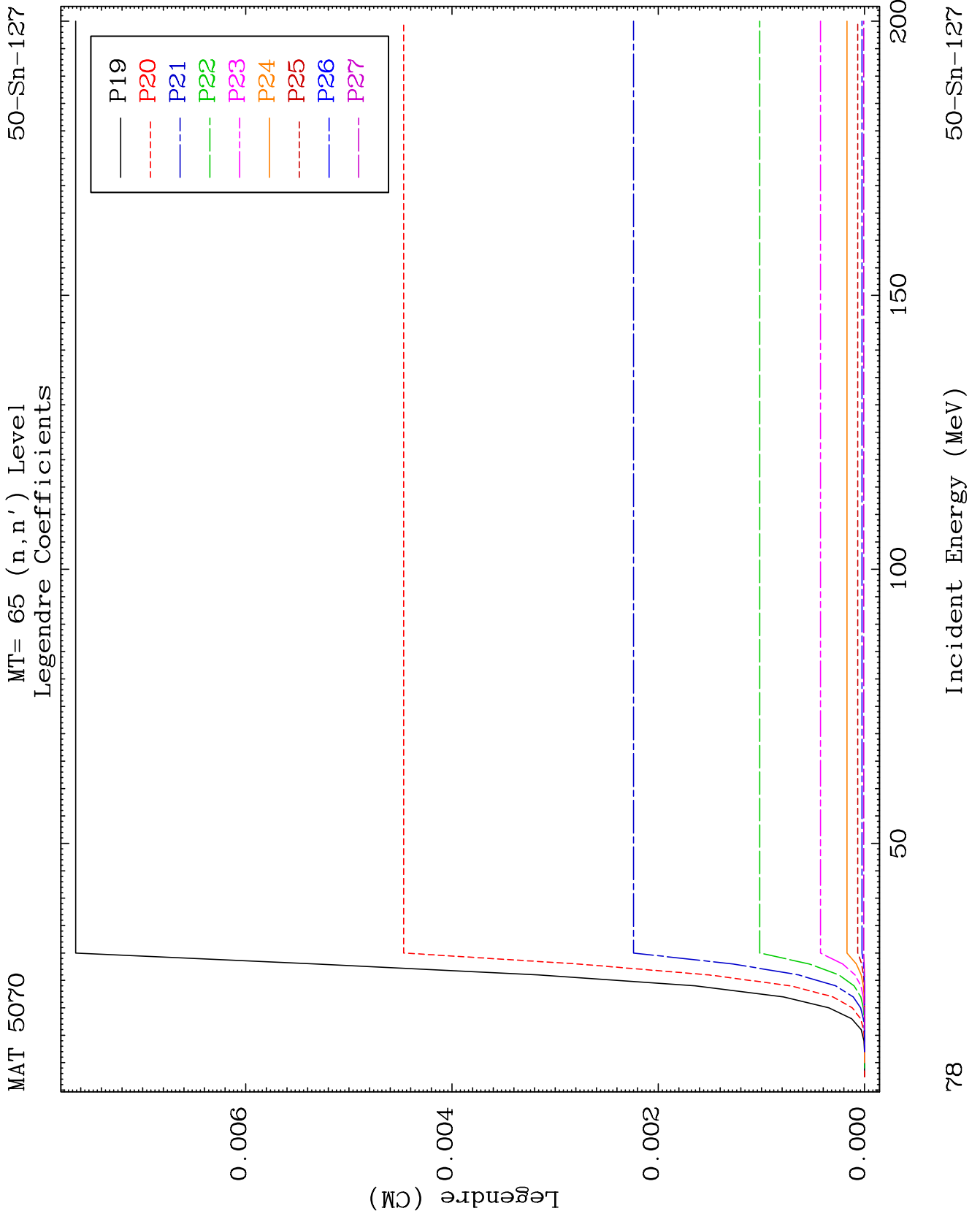
Incident Energy (MeV)

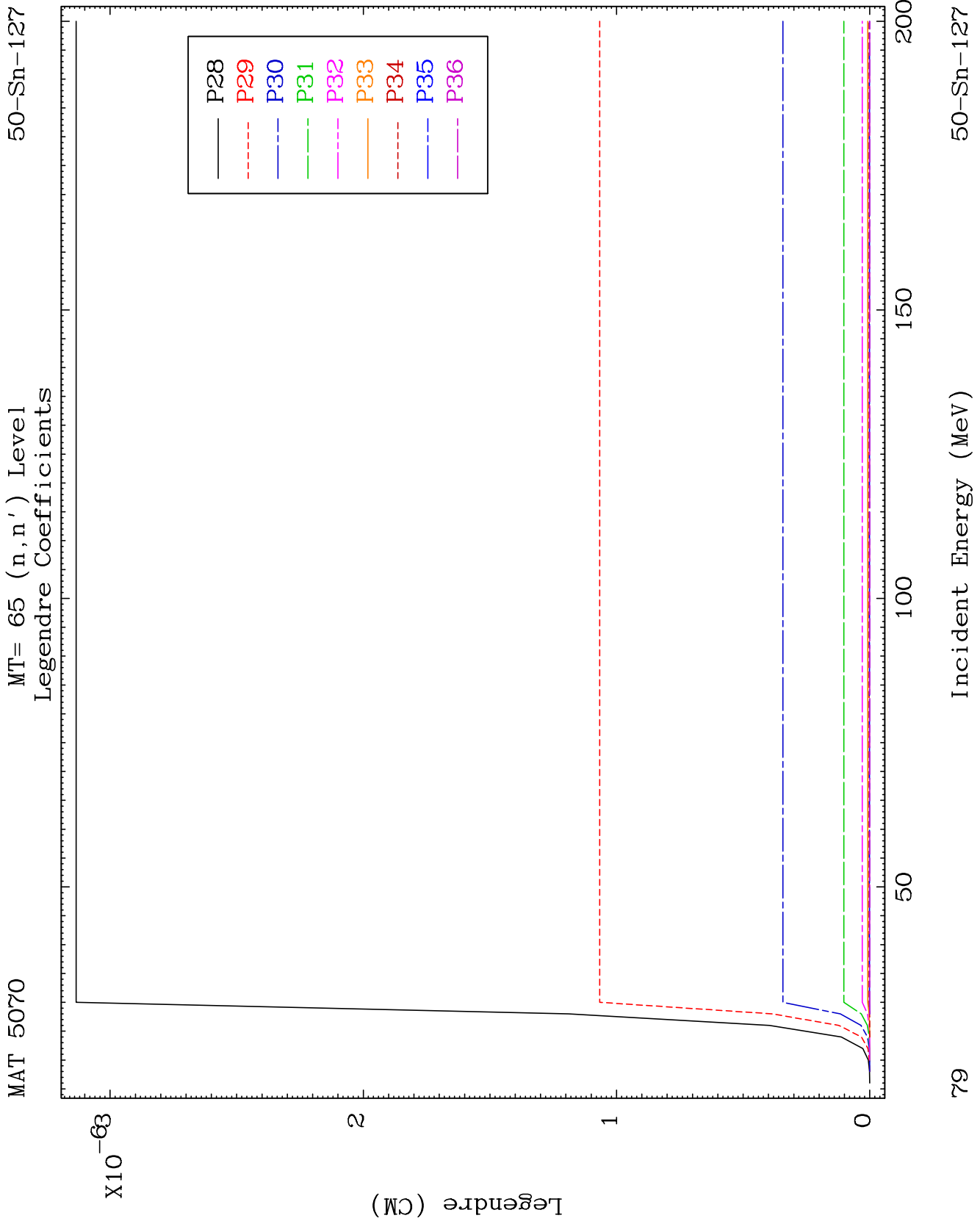
50-Sn-127

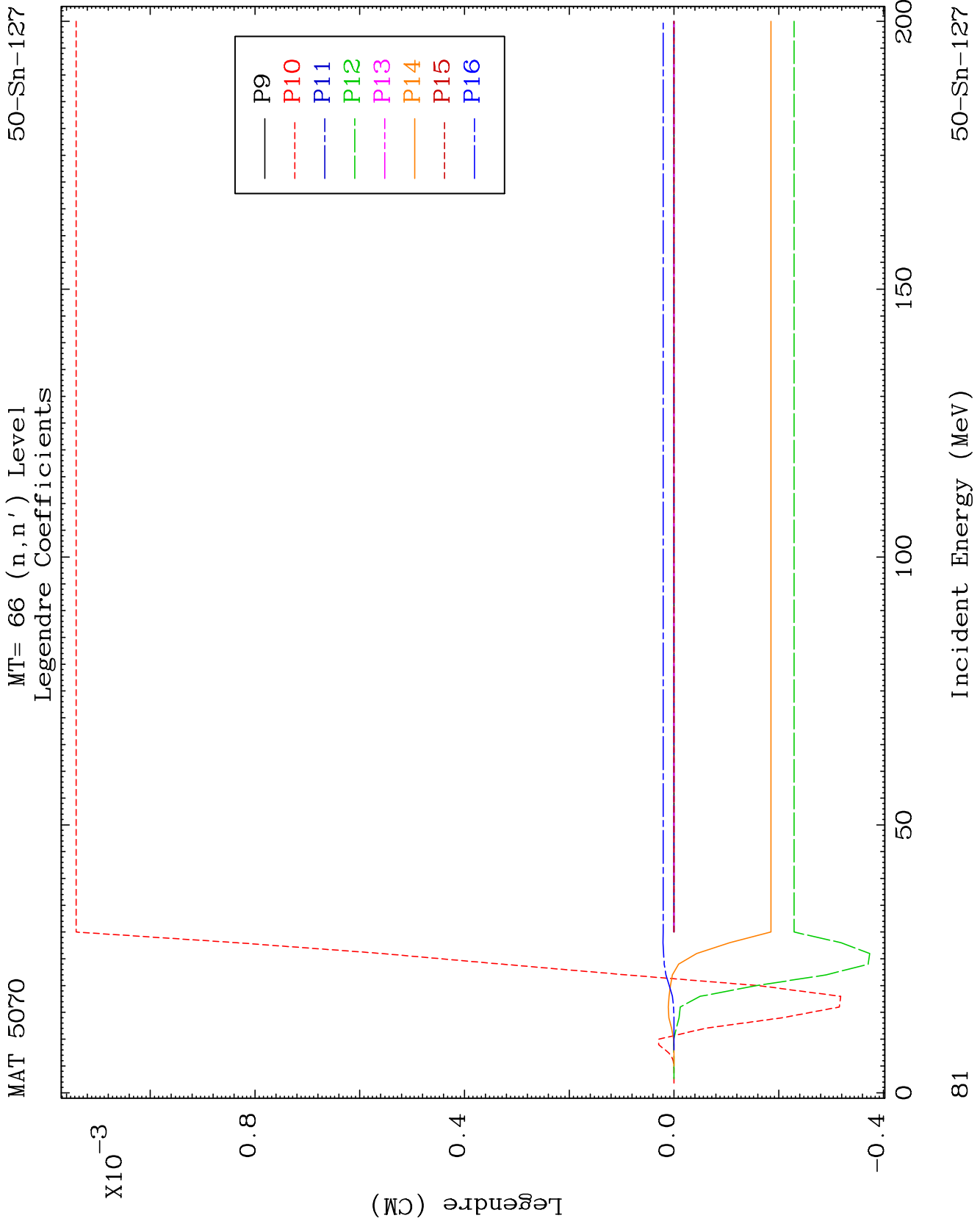


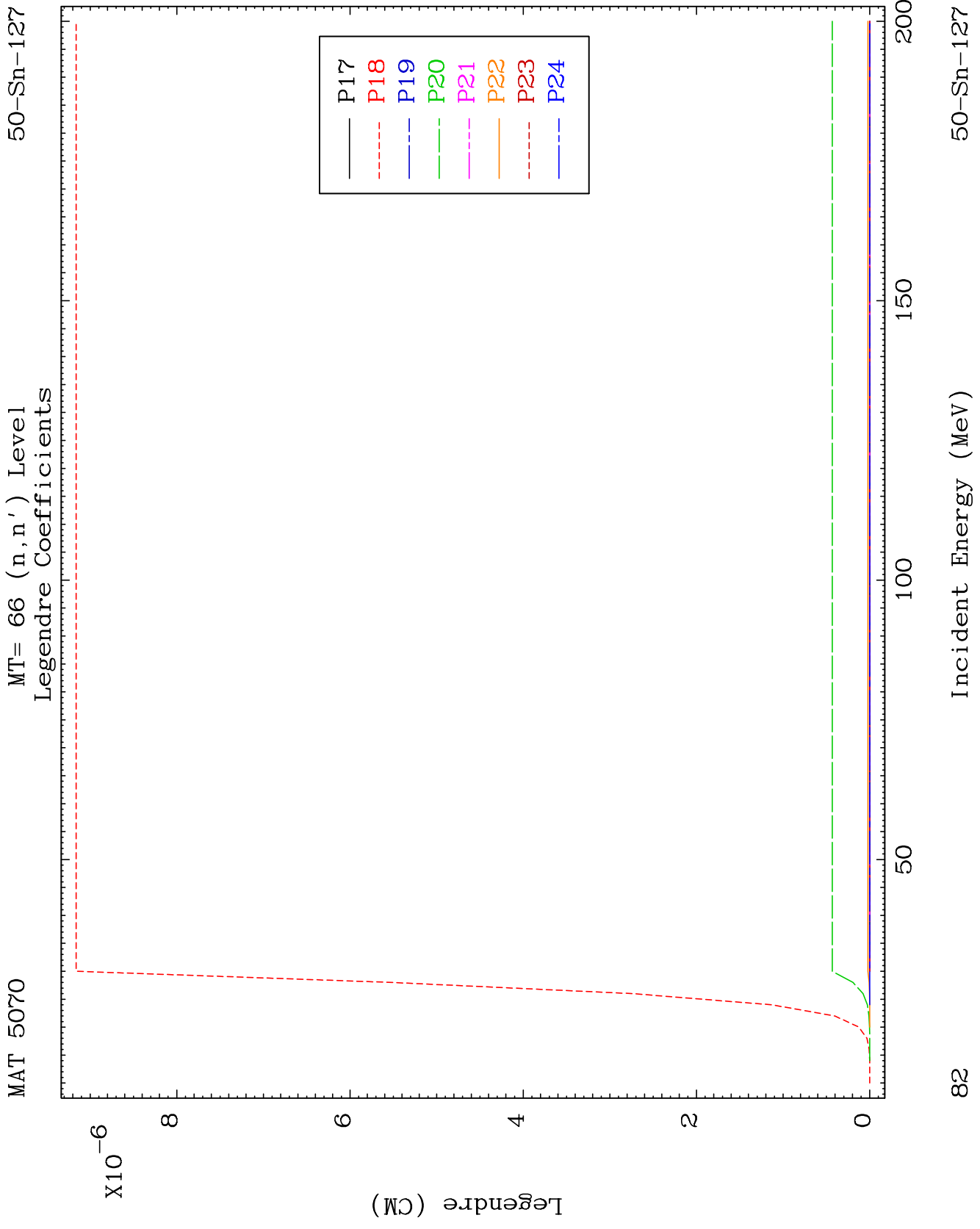


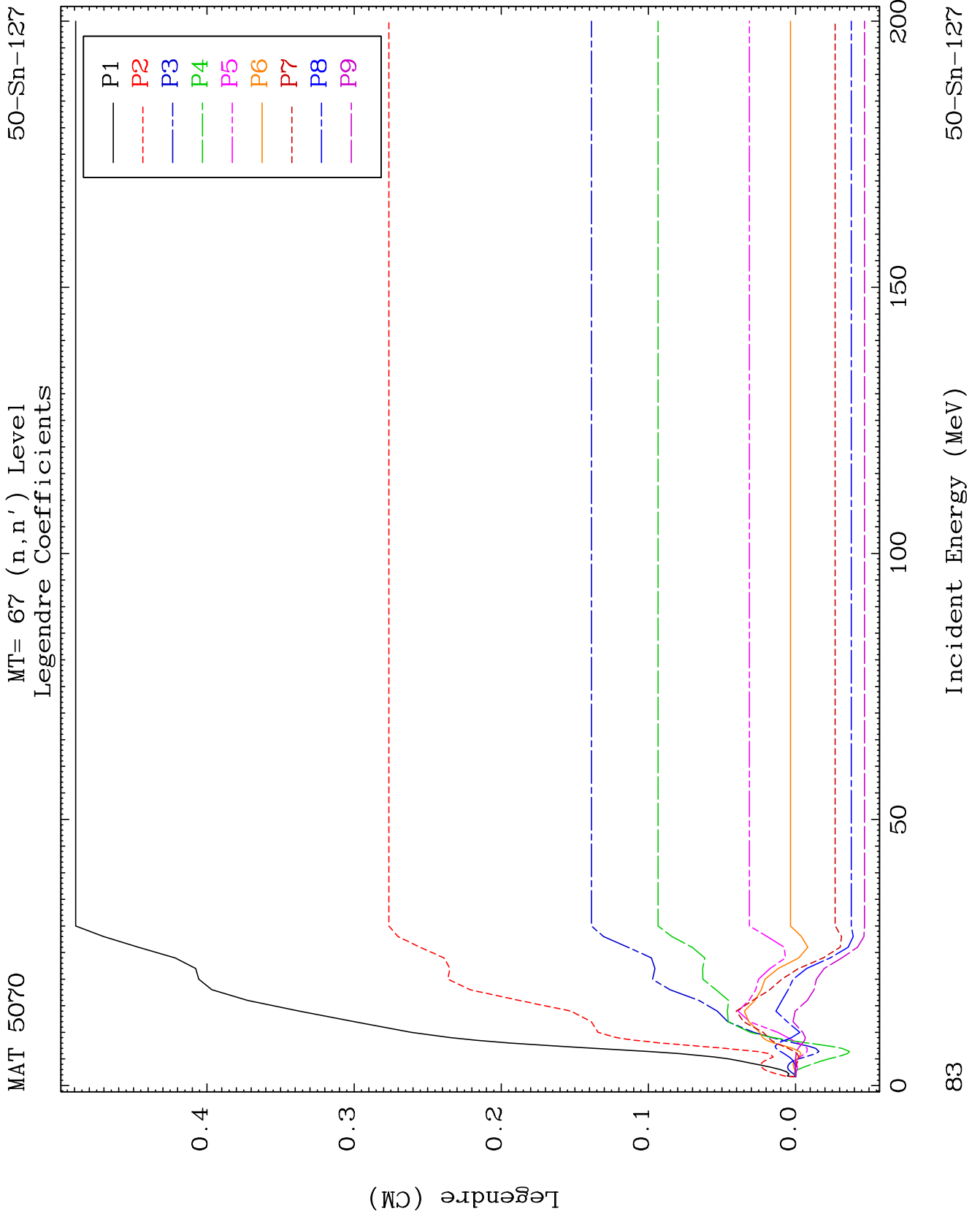


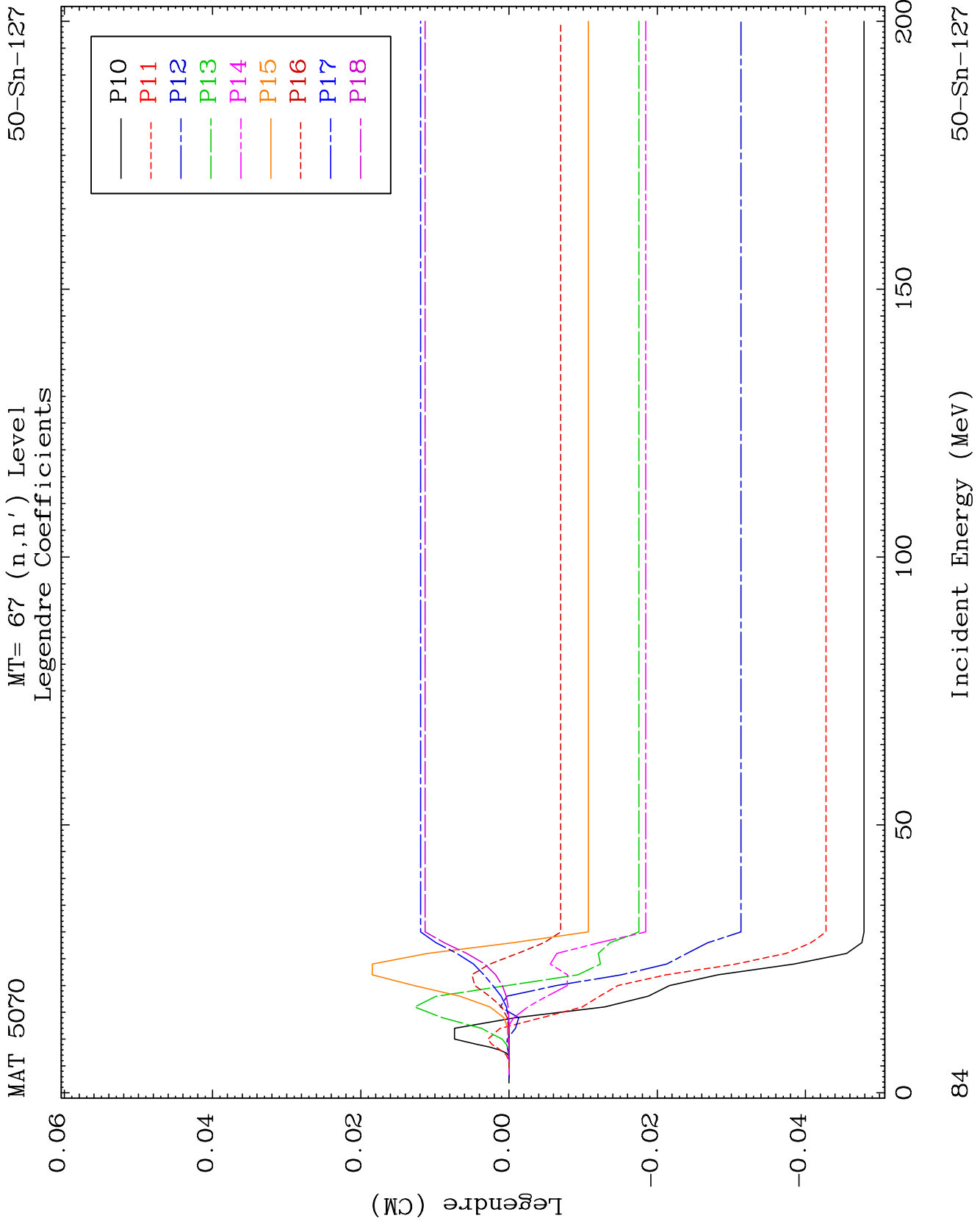


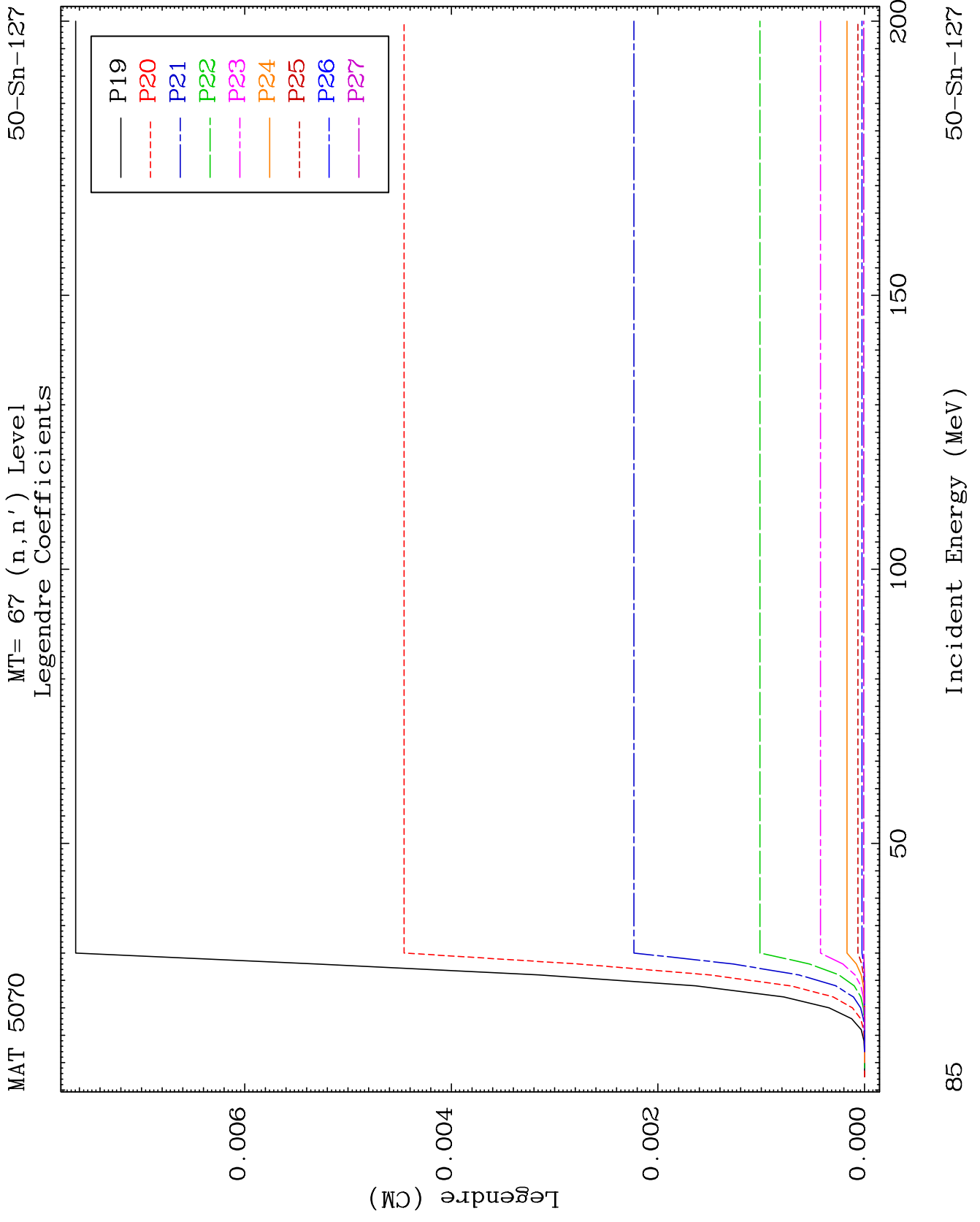








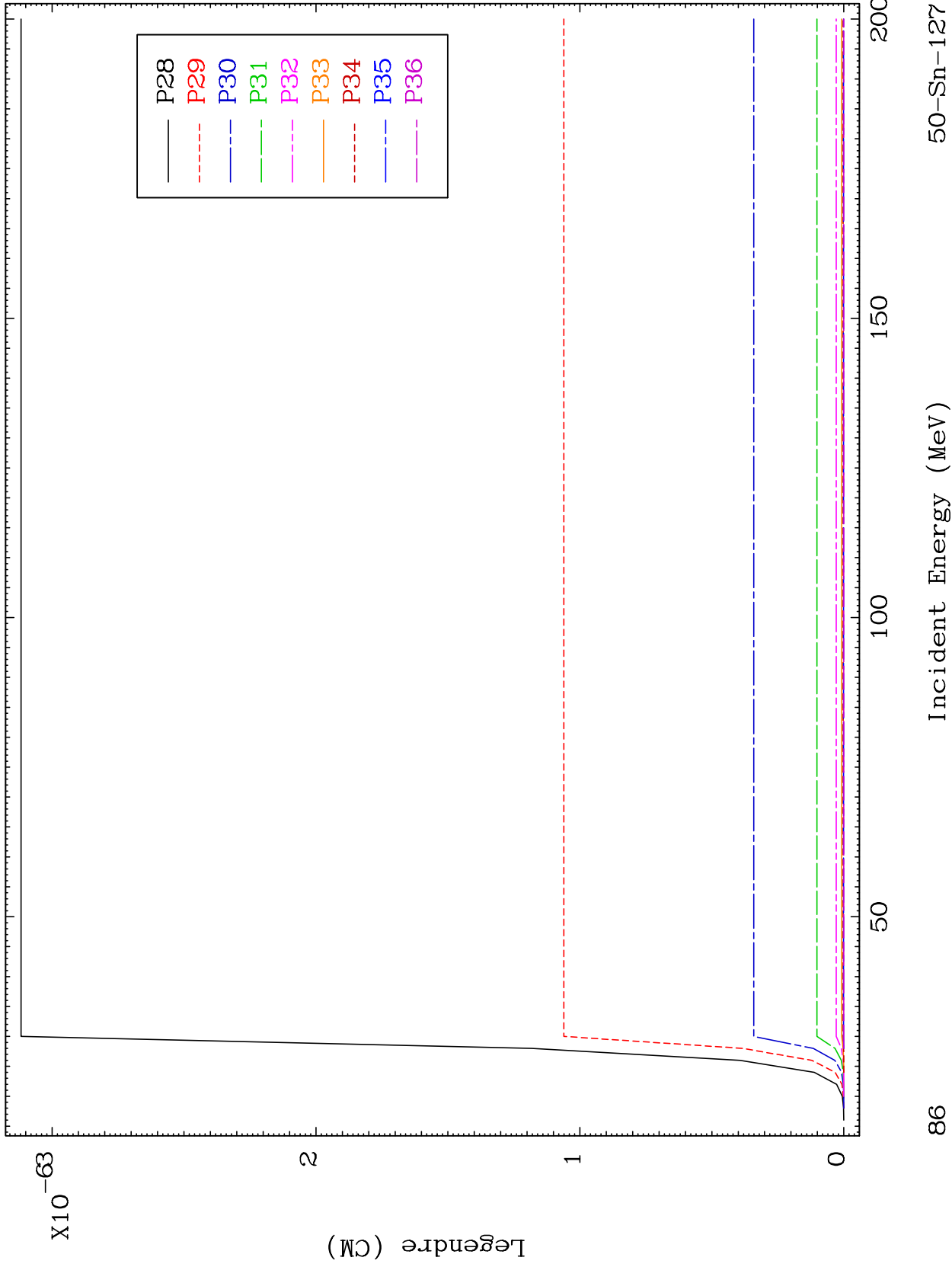


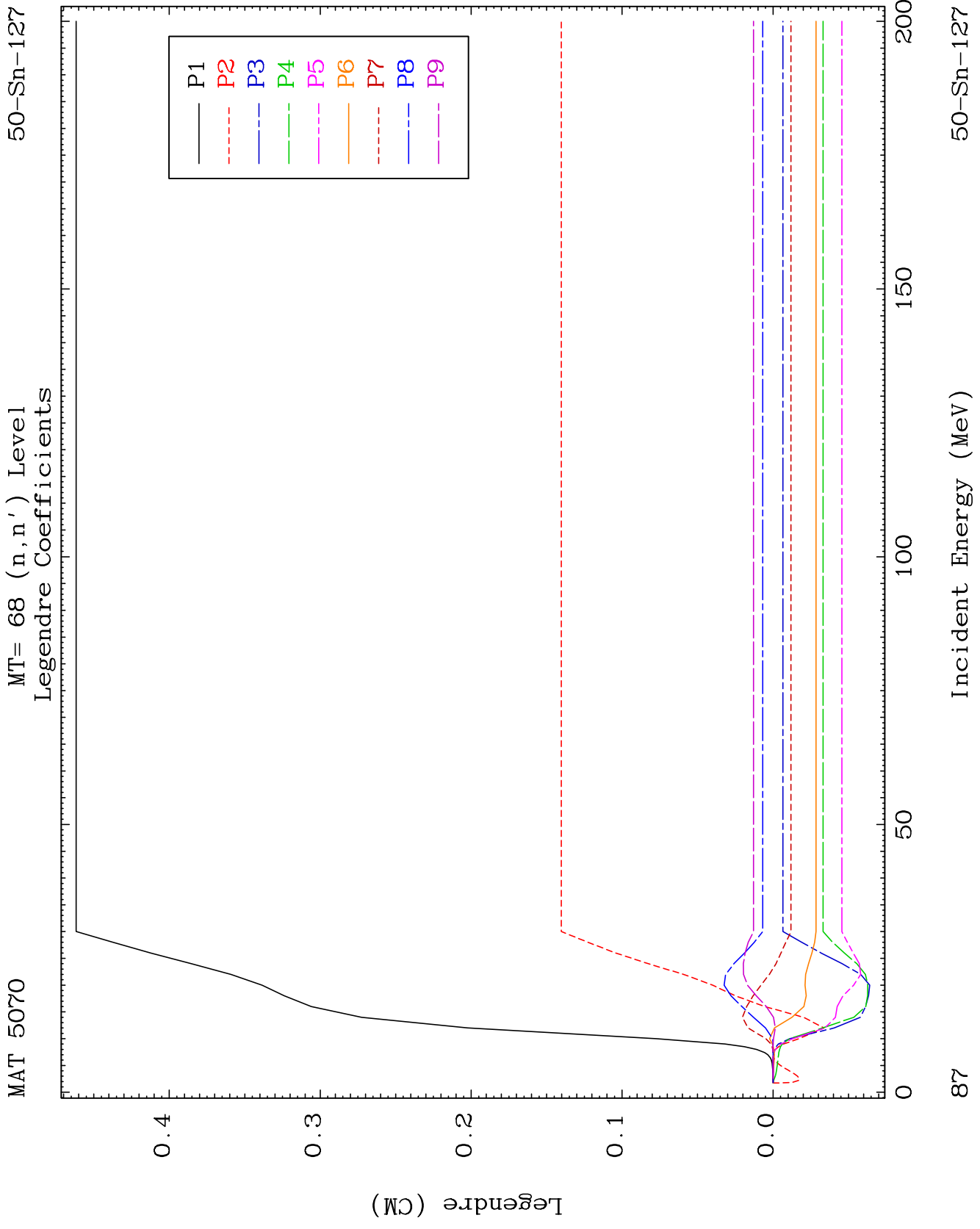


MAT 5070

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

50-Sn-127

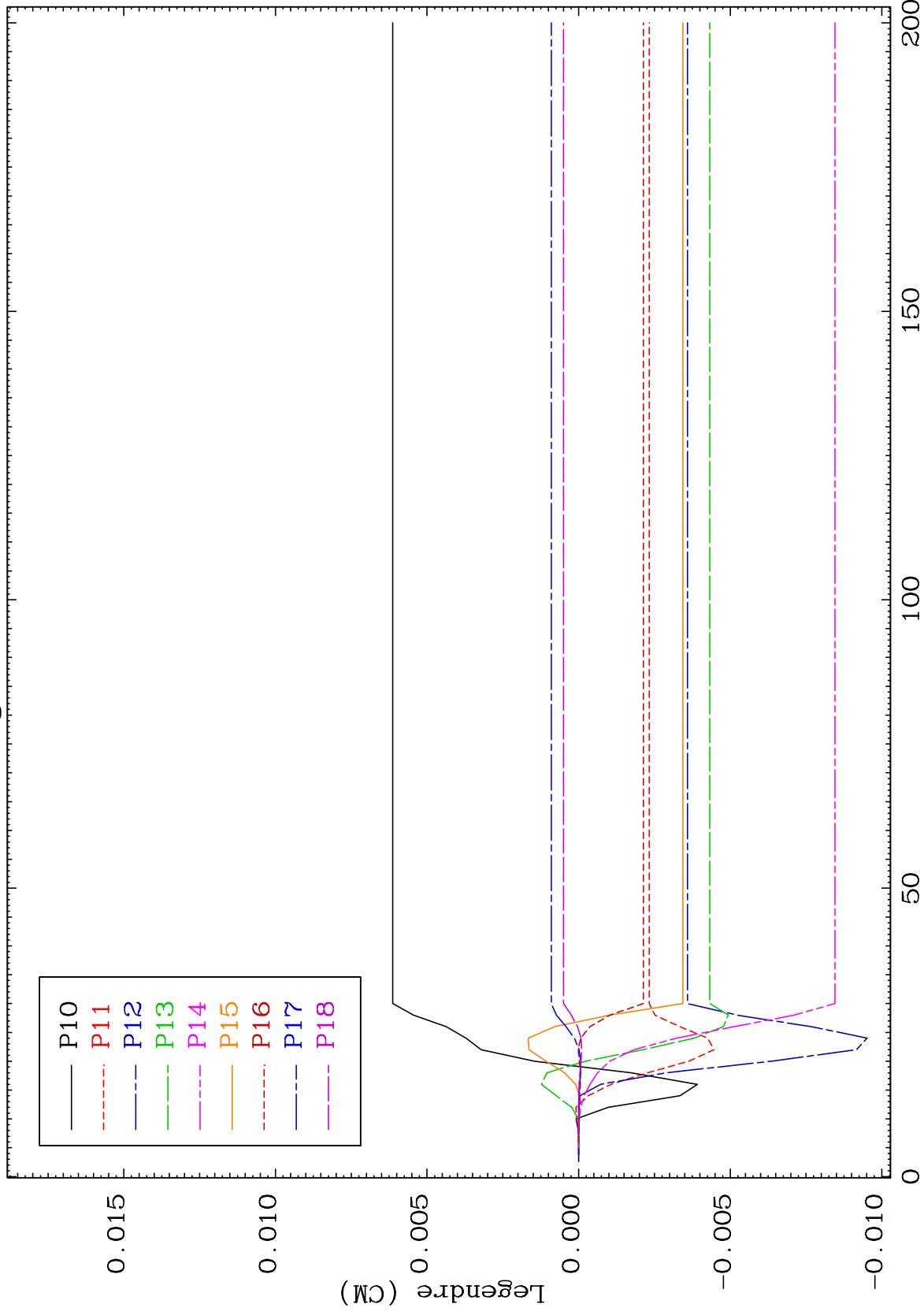




MAT 5070

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

50-Sn-127



88

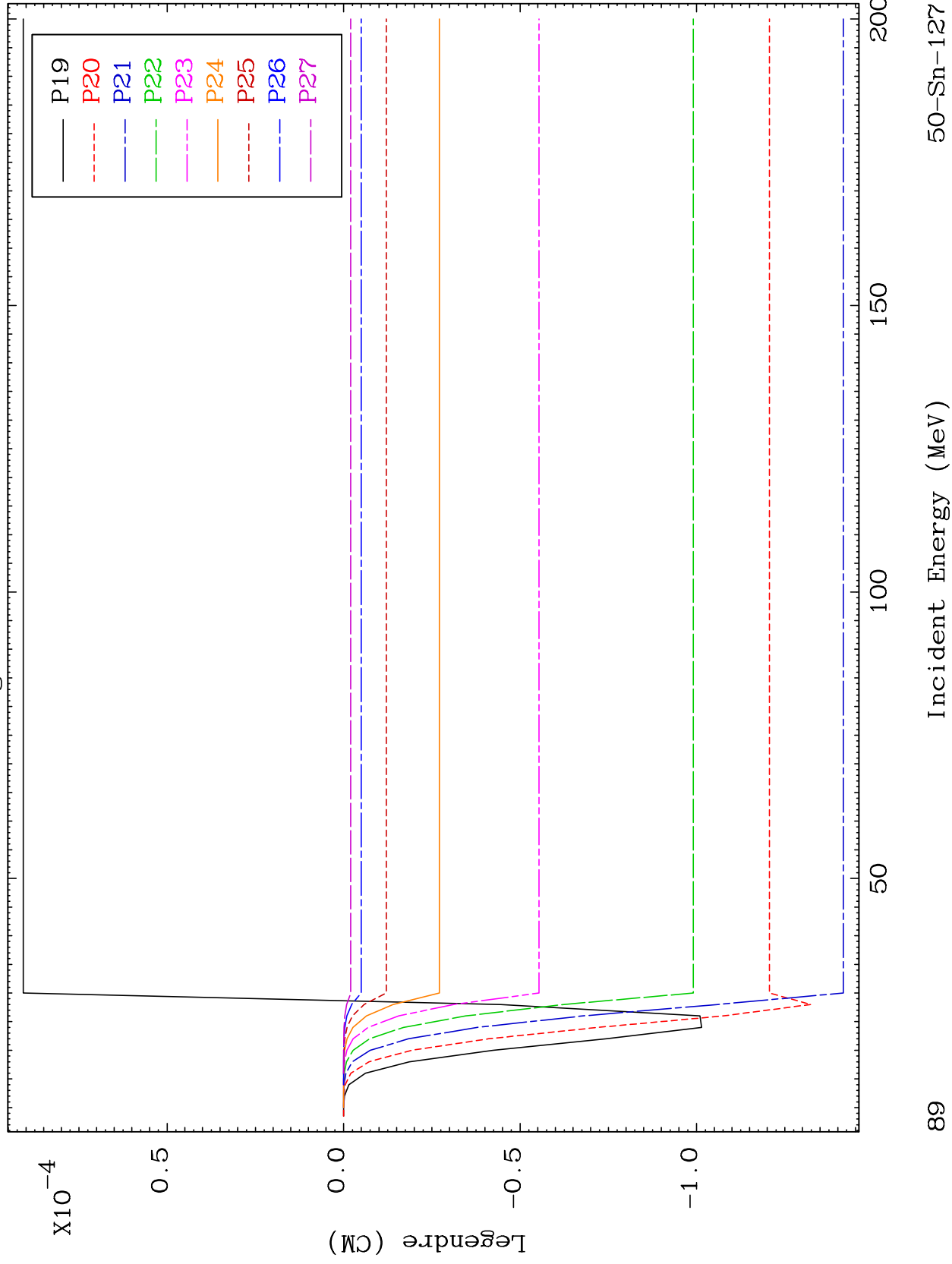
Incident Energy (MeV)

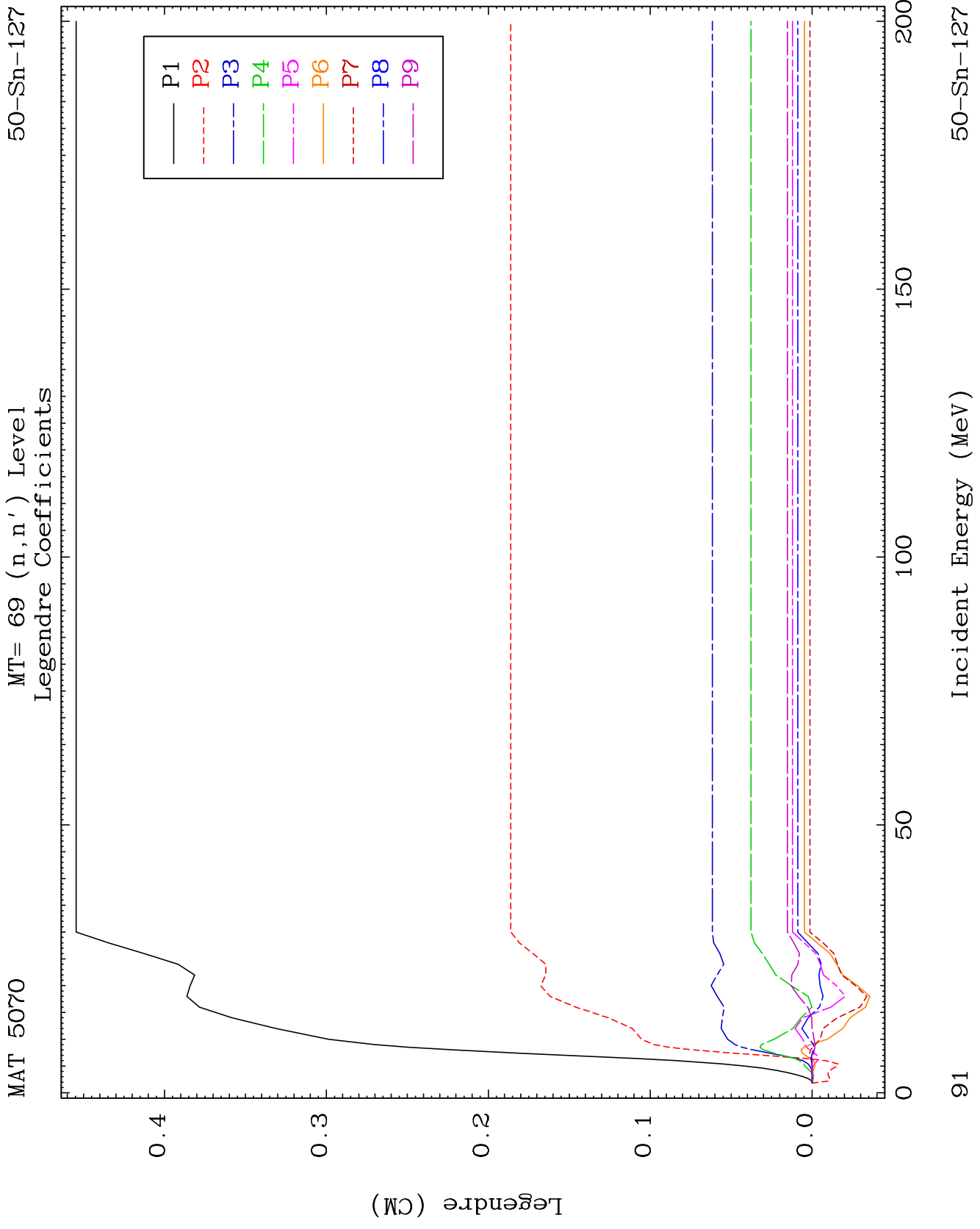
50-Sn-127

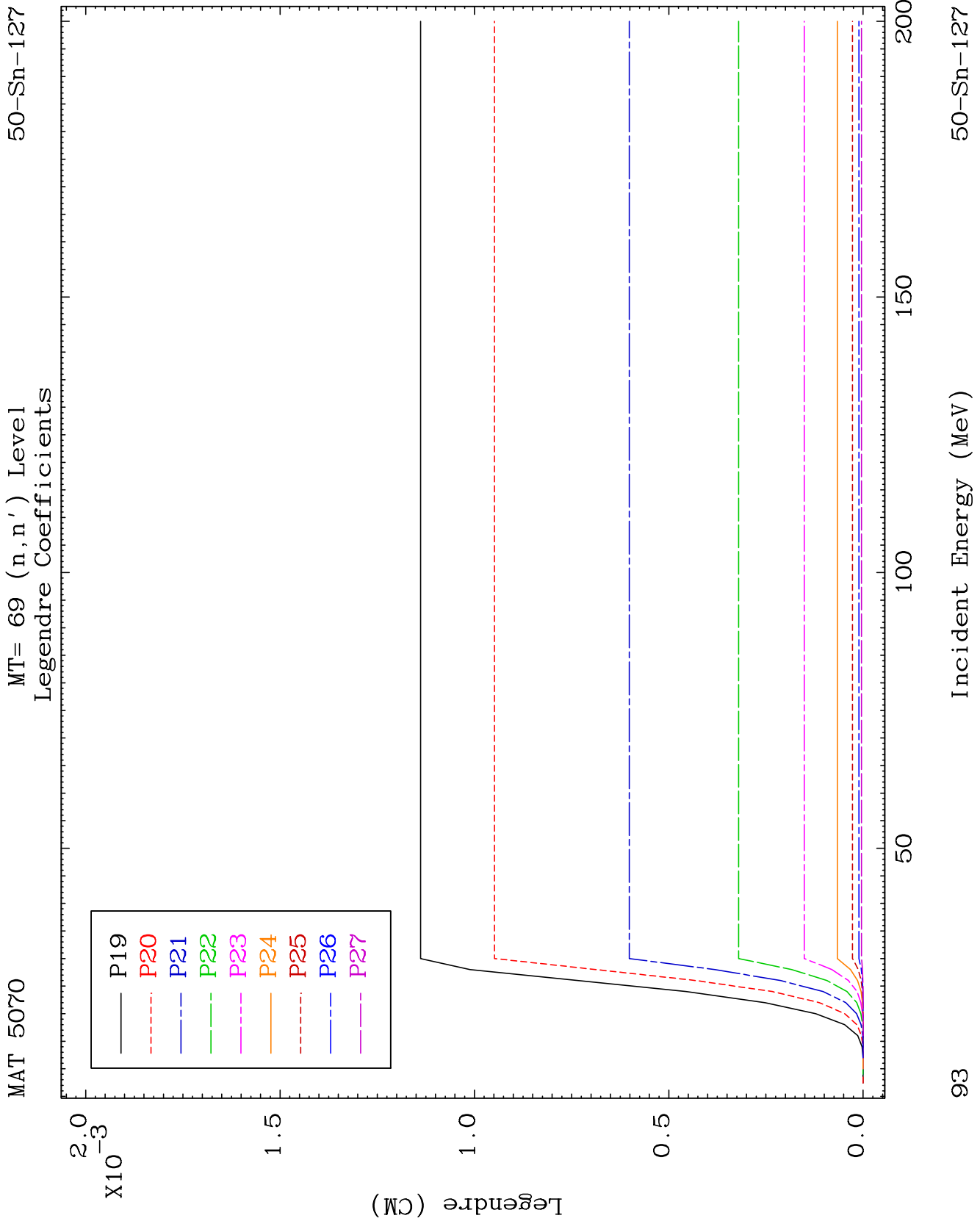
MAT 5070

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

50-Sn-127



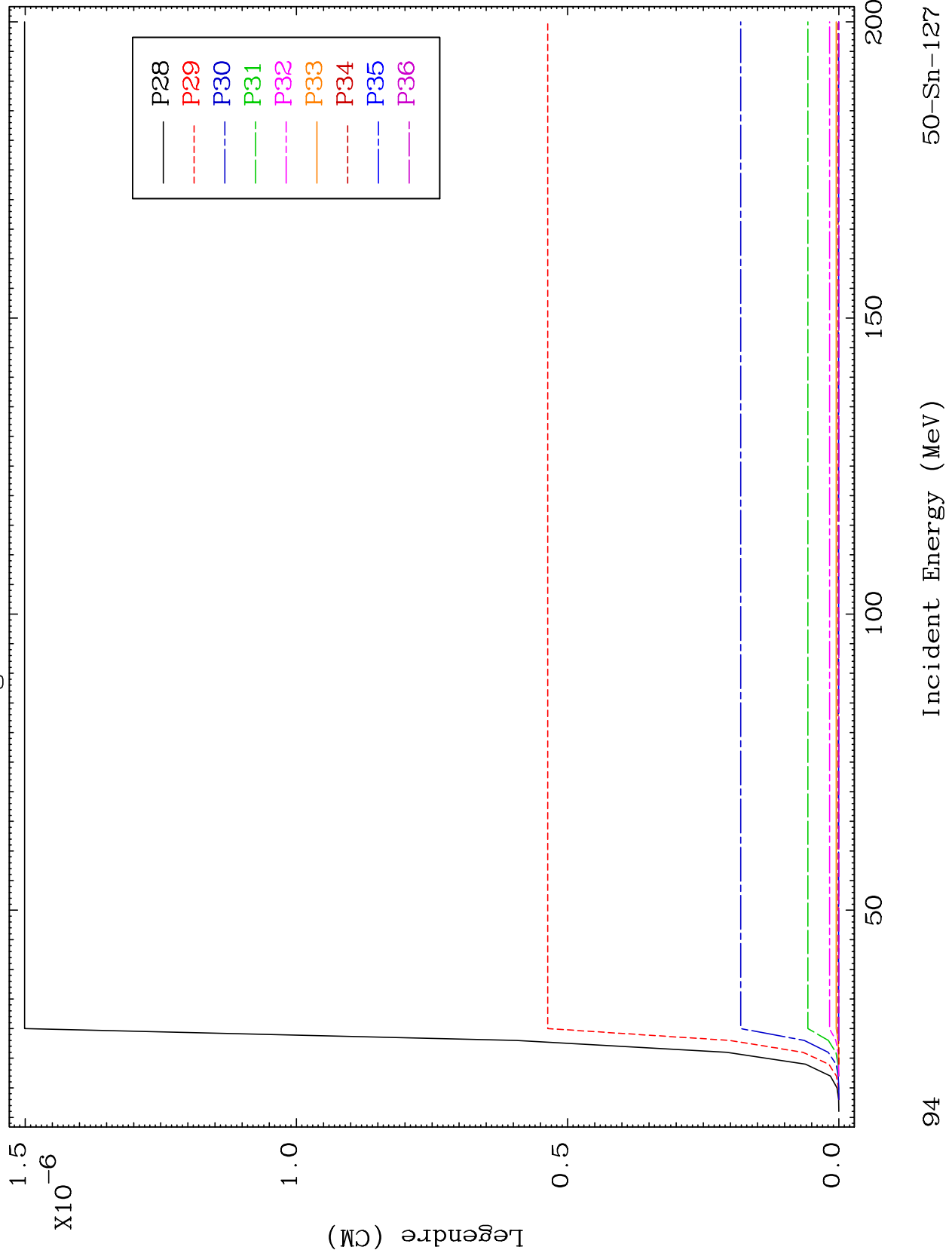




MAT 5070

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

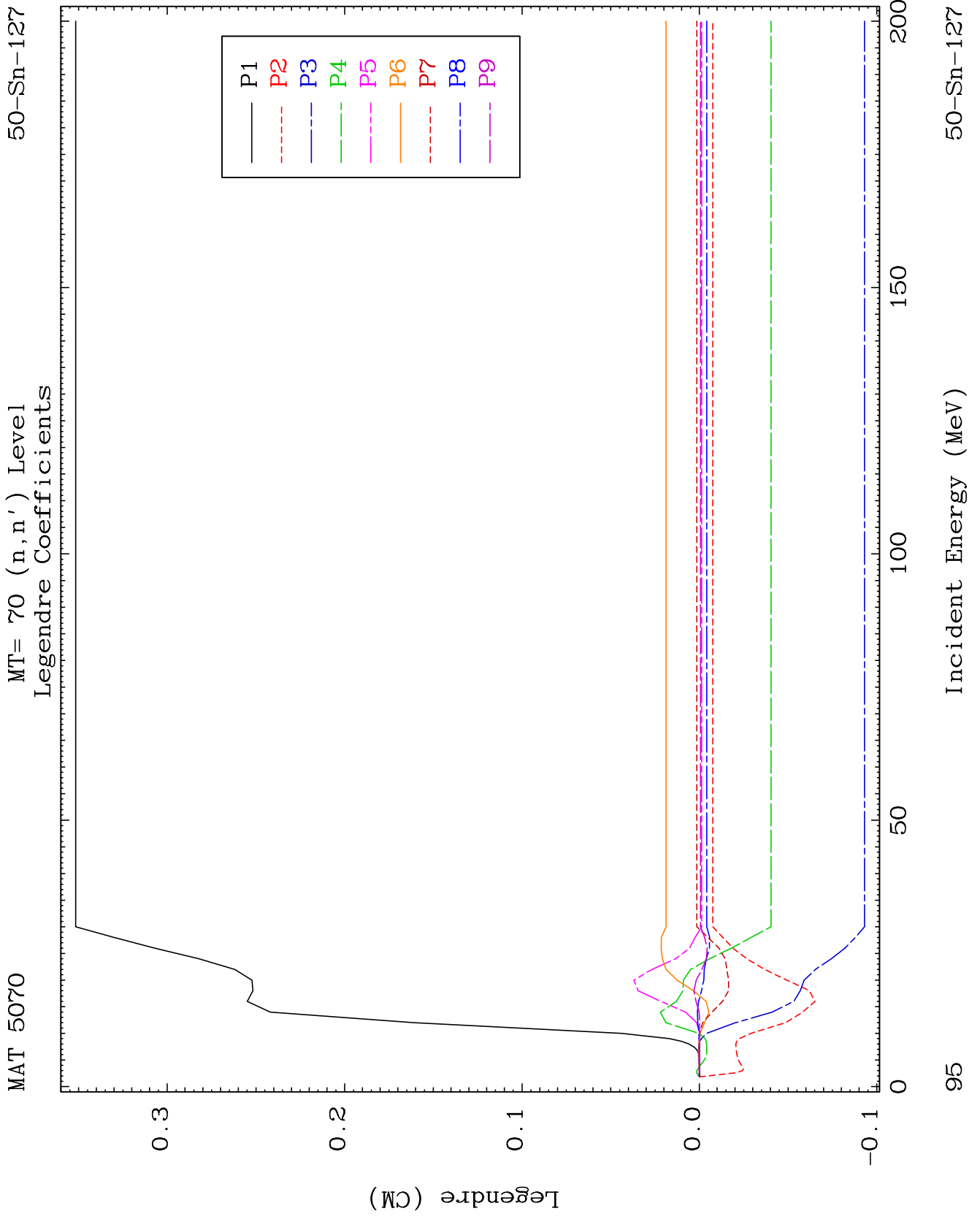
50-Sn-127

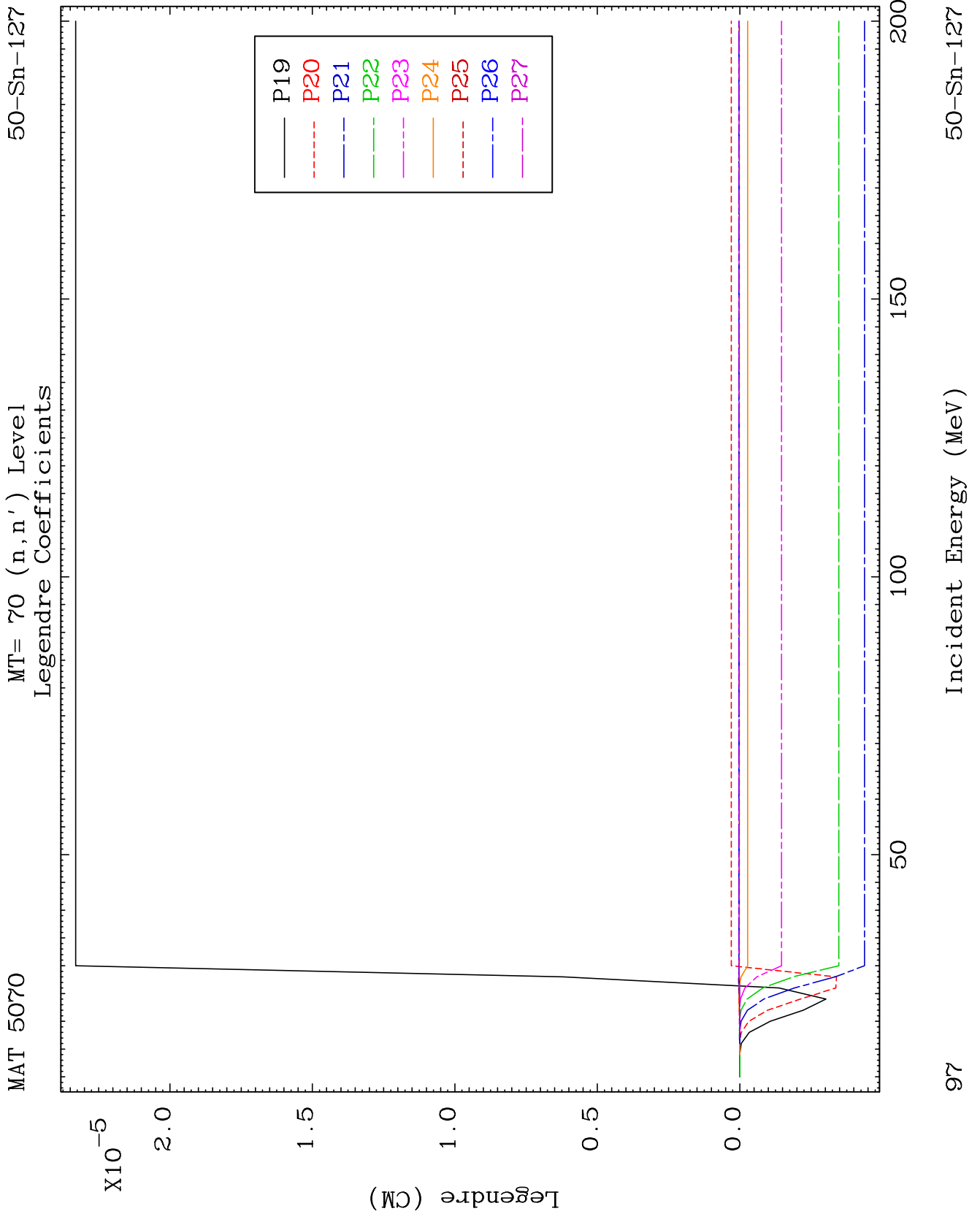


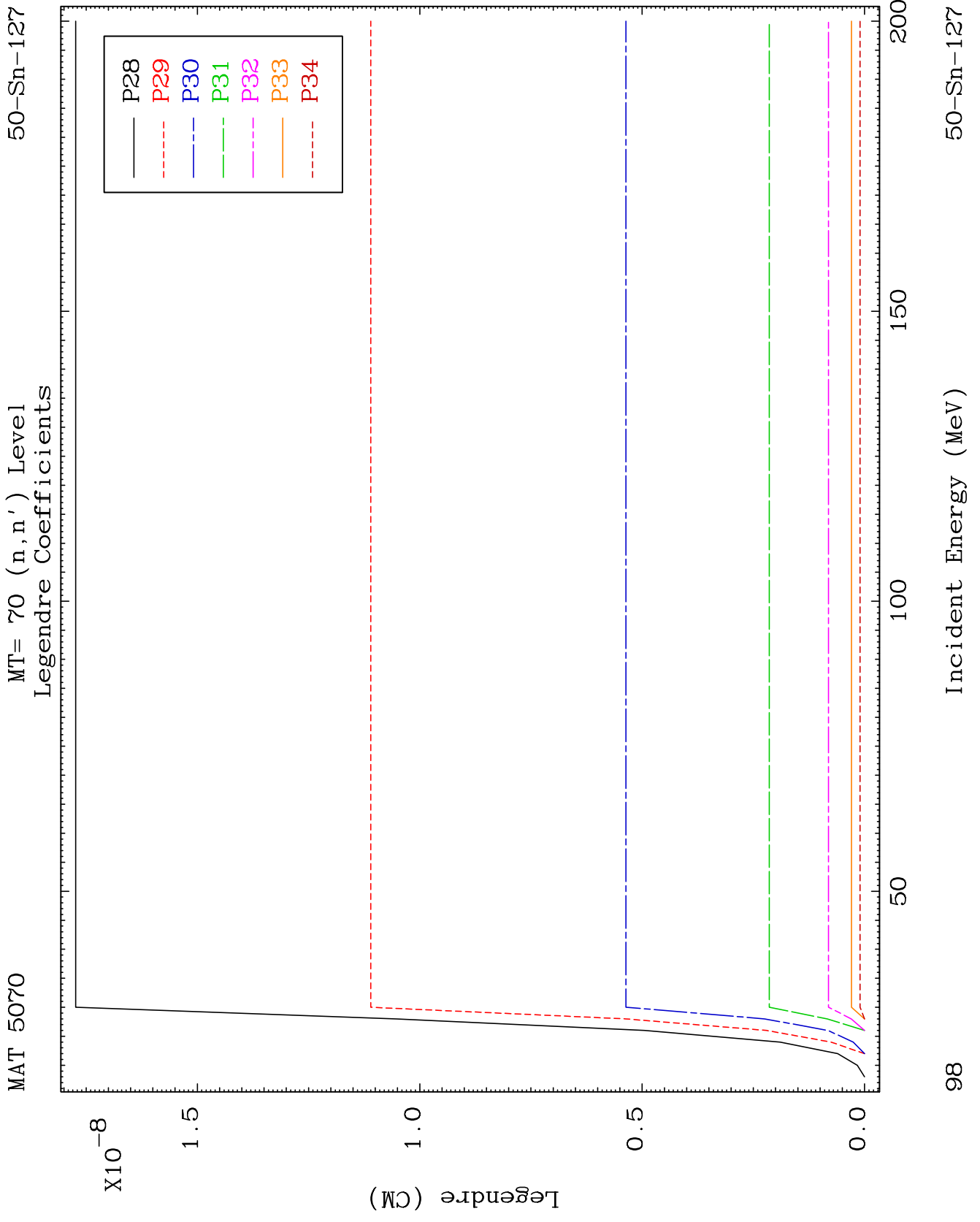
50-Sn-127

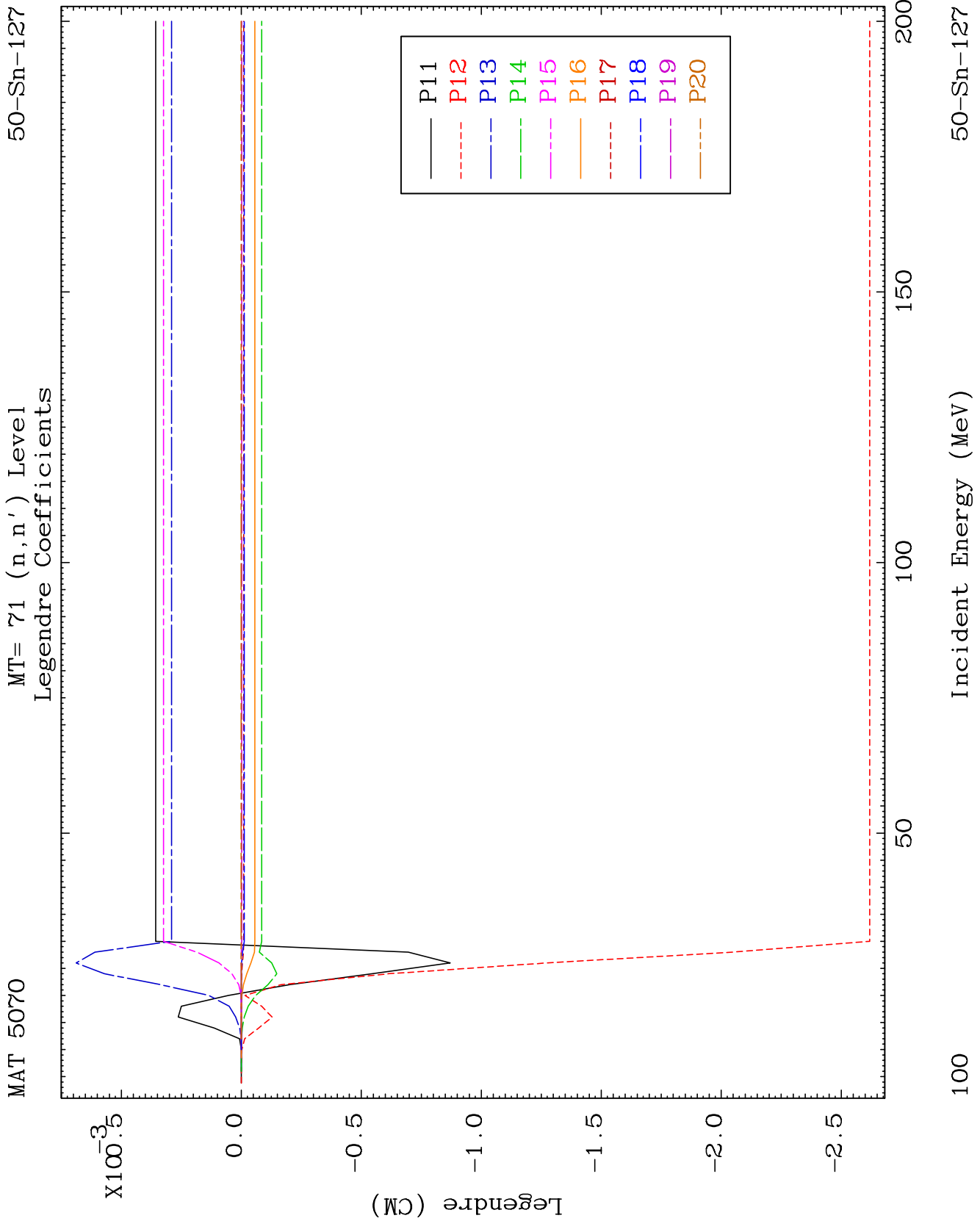
Incident Energy (MeV)

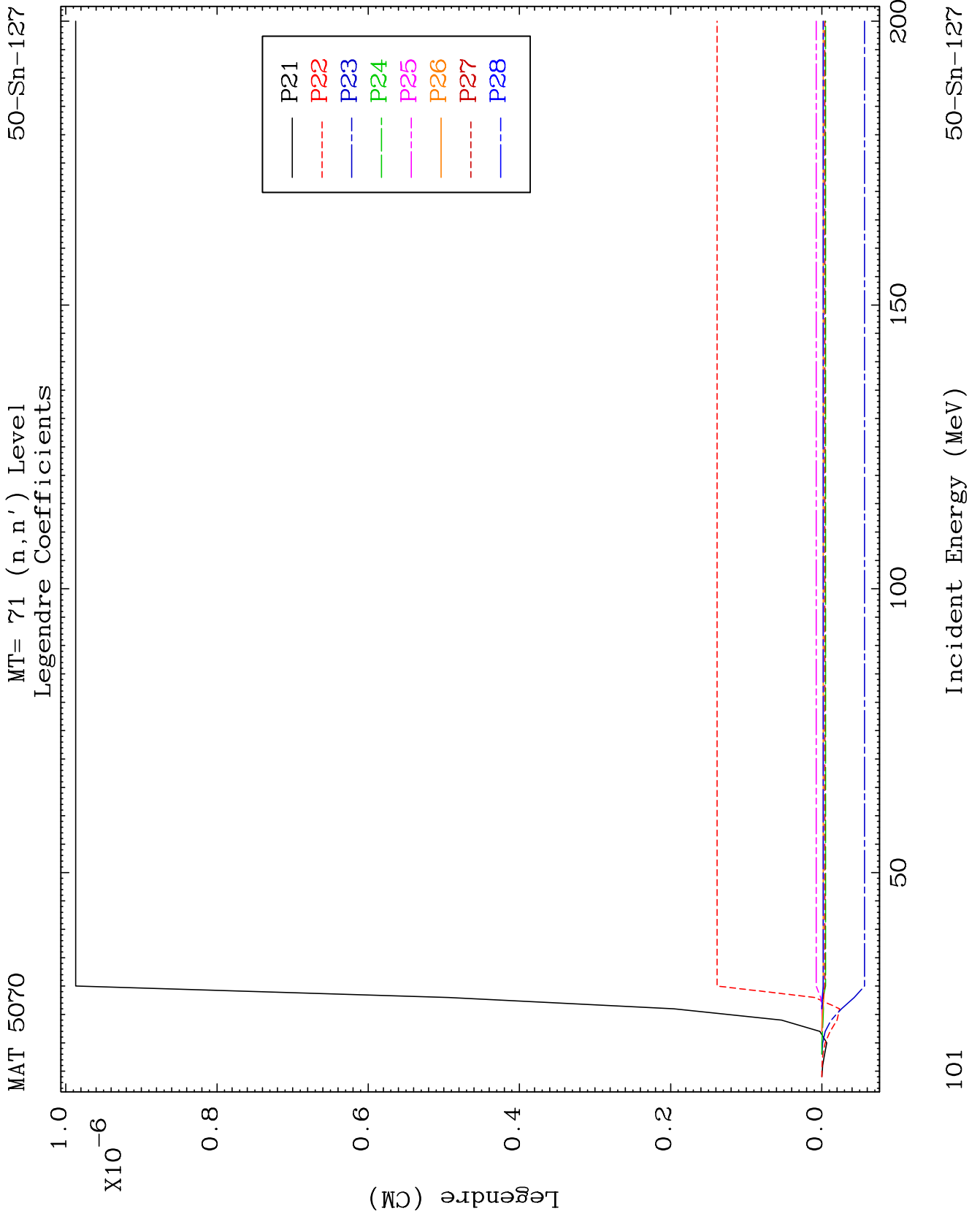
94

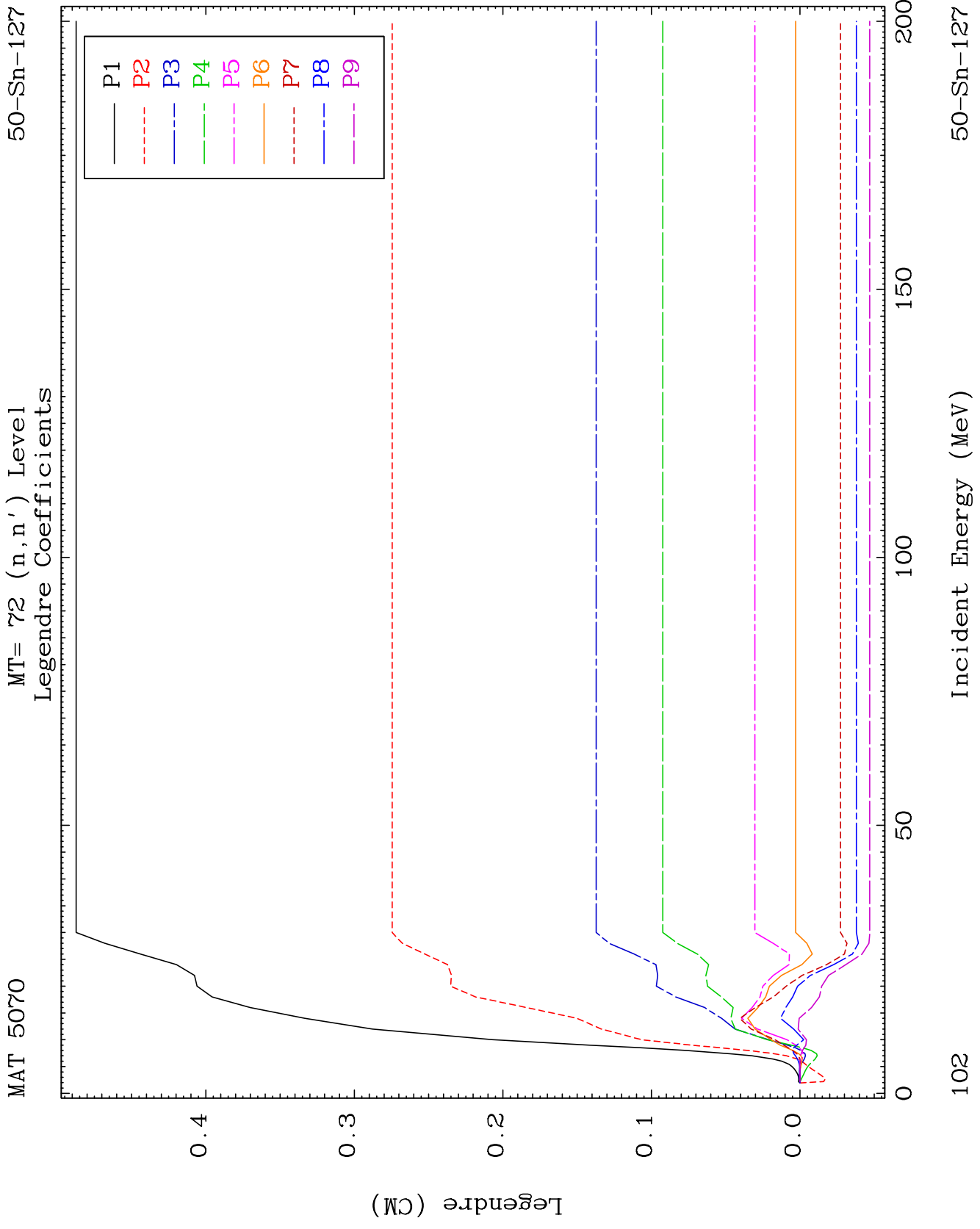


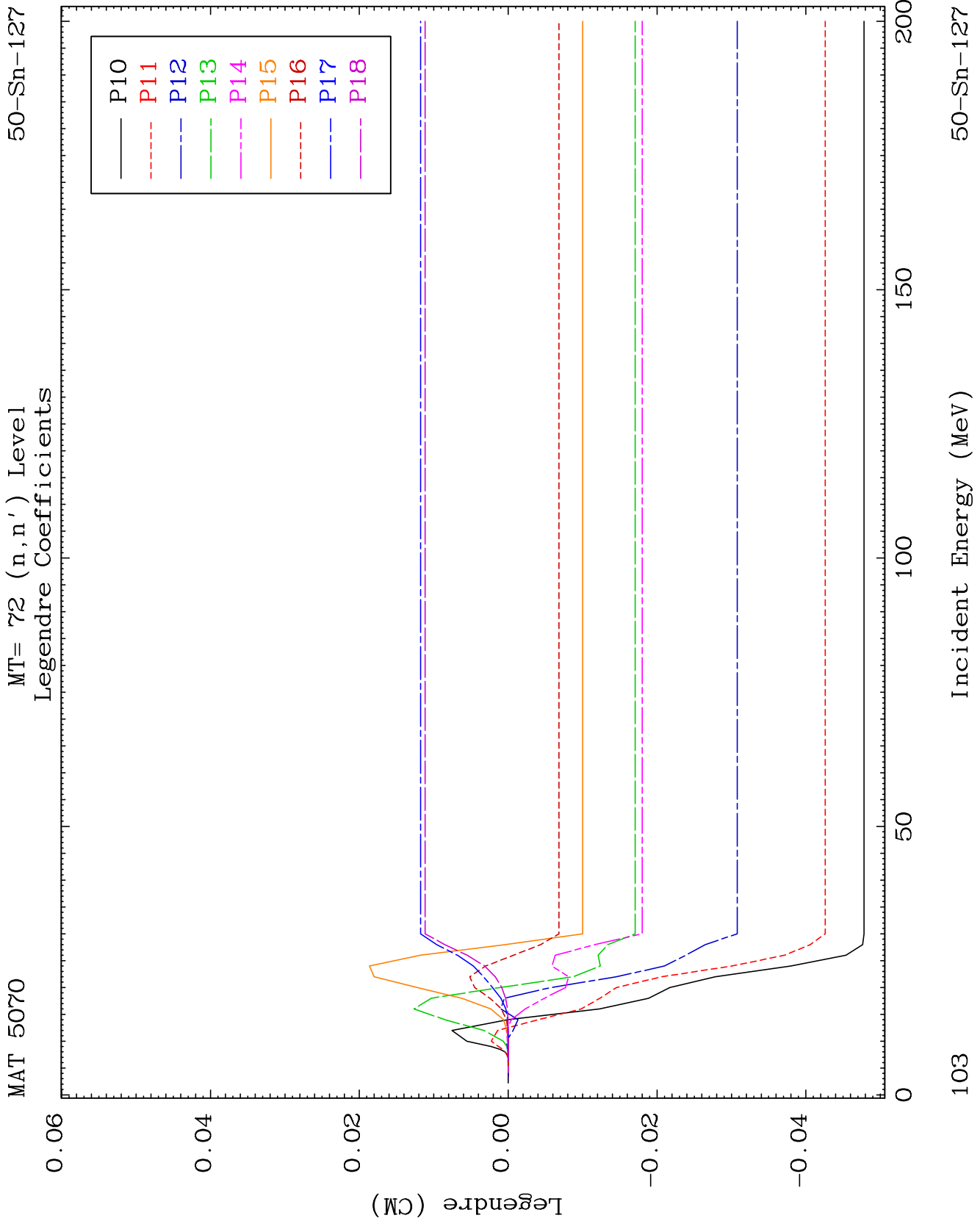


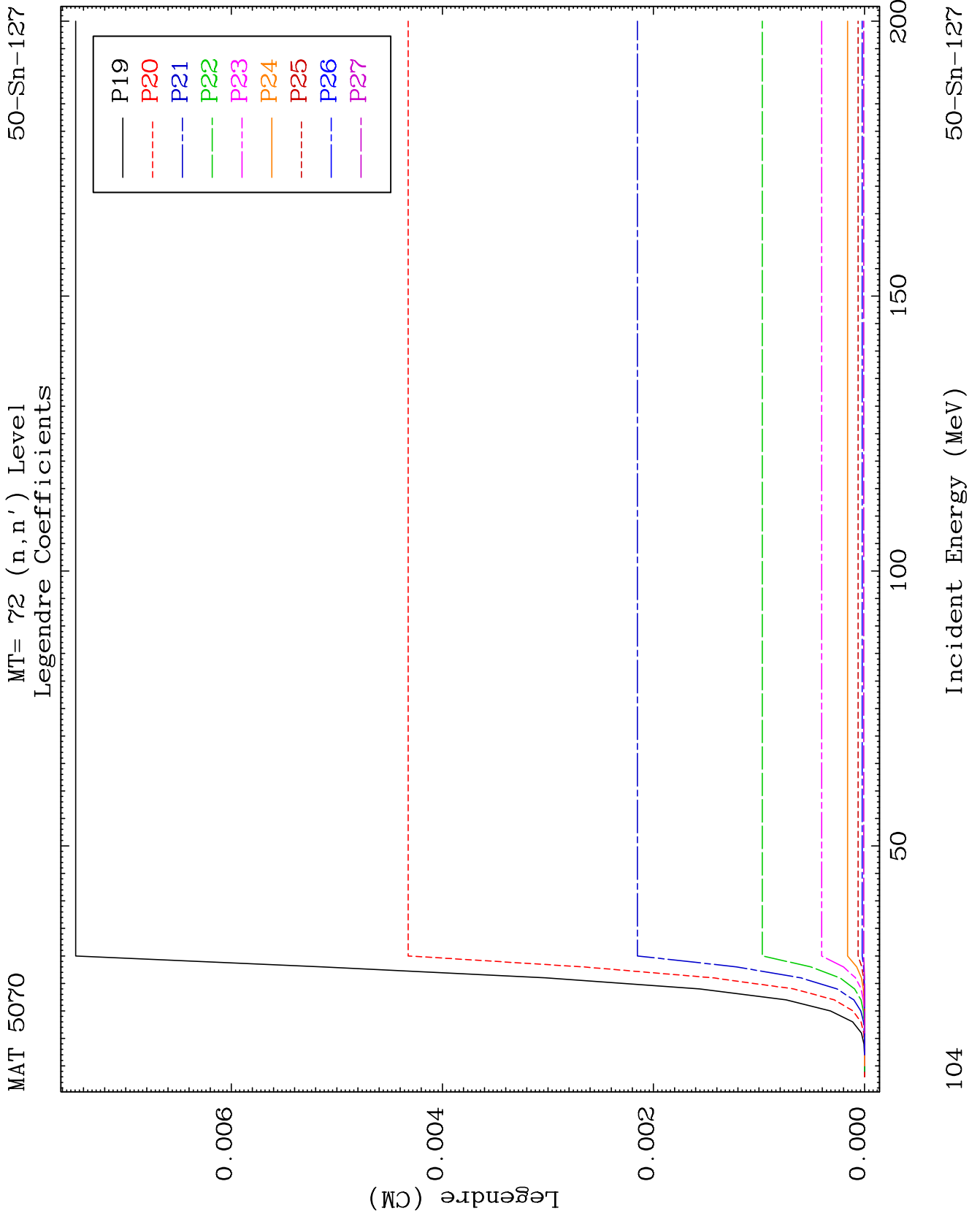


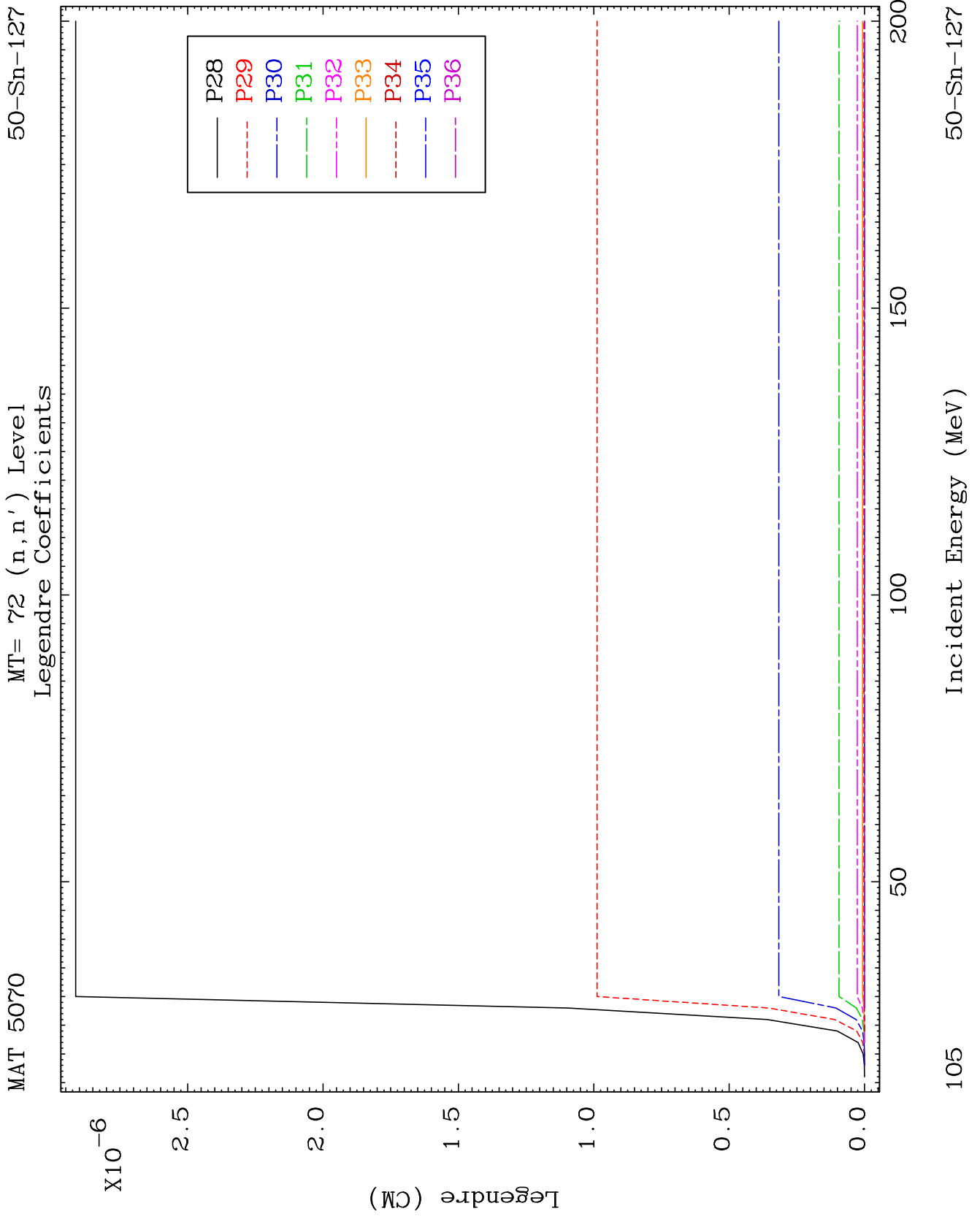


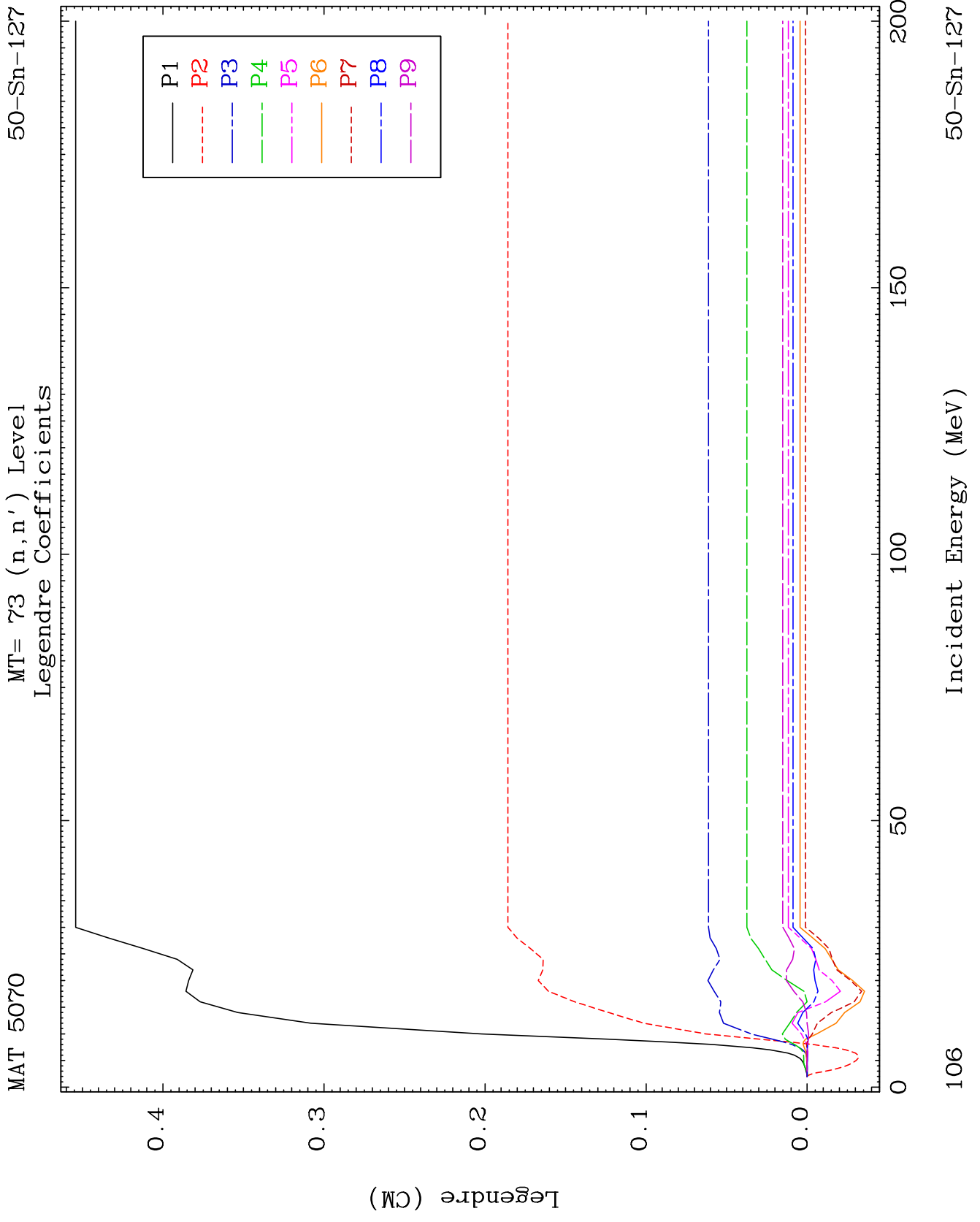








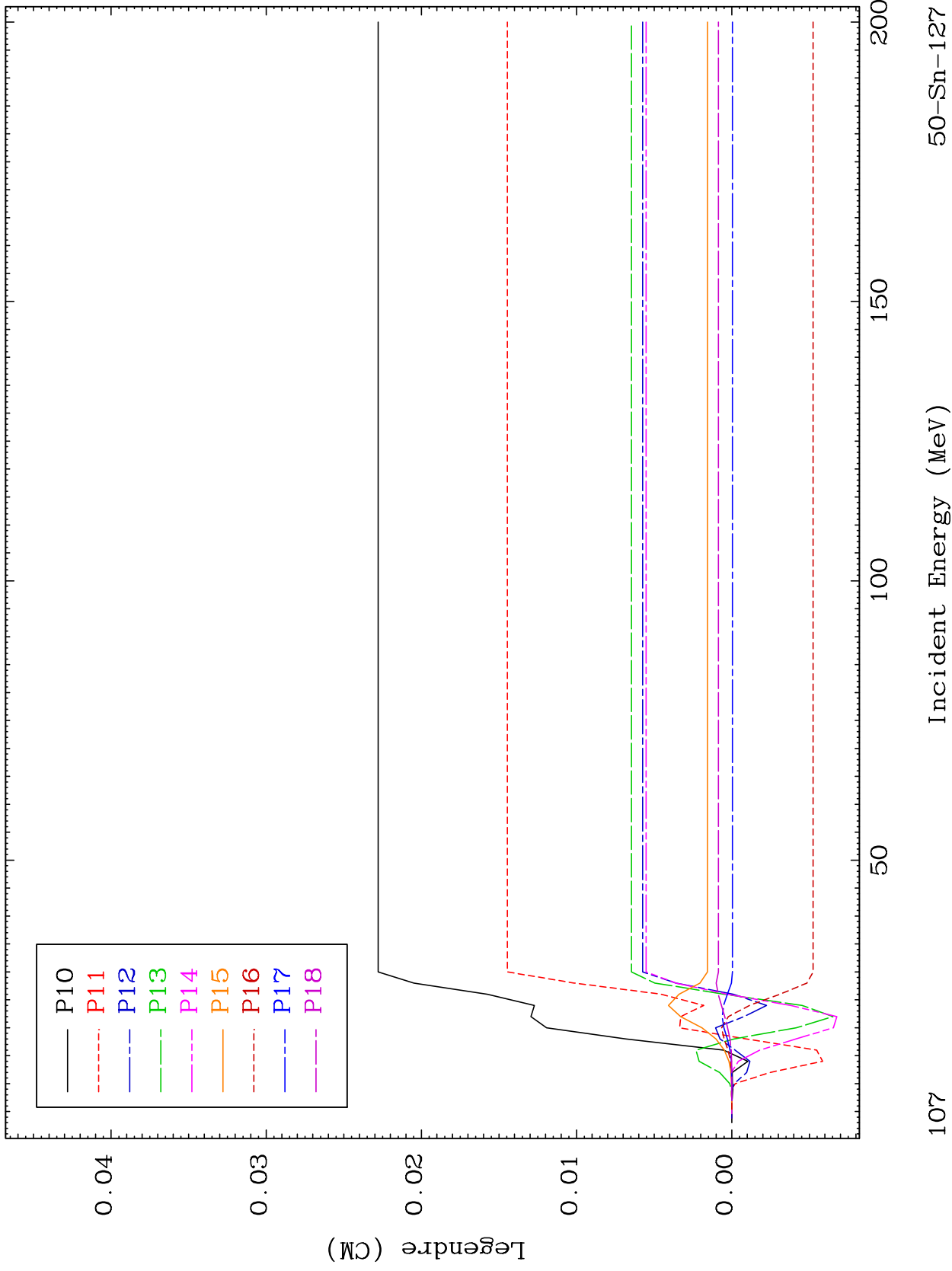




MAT 5070

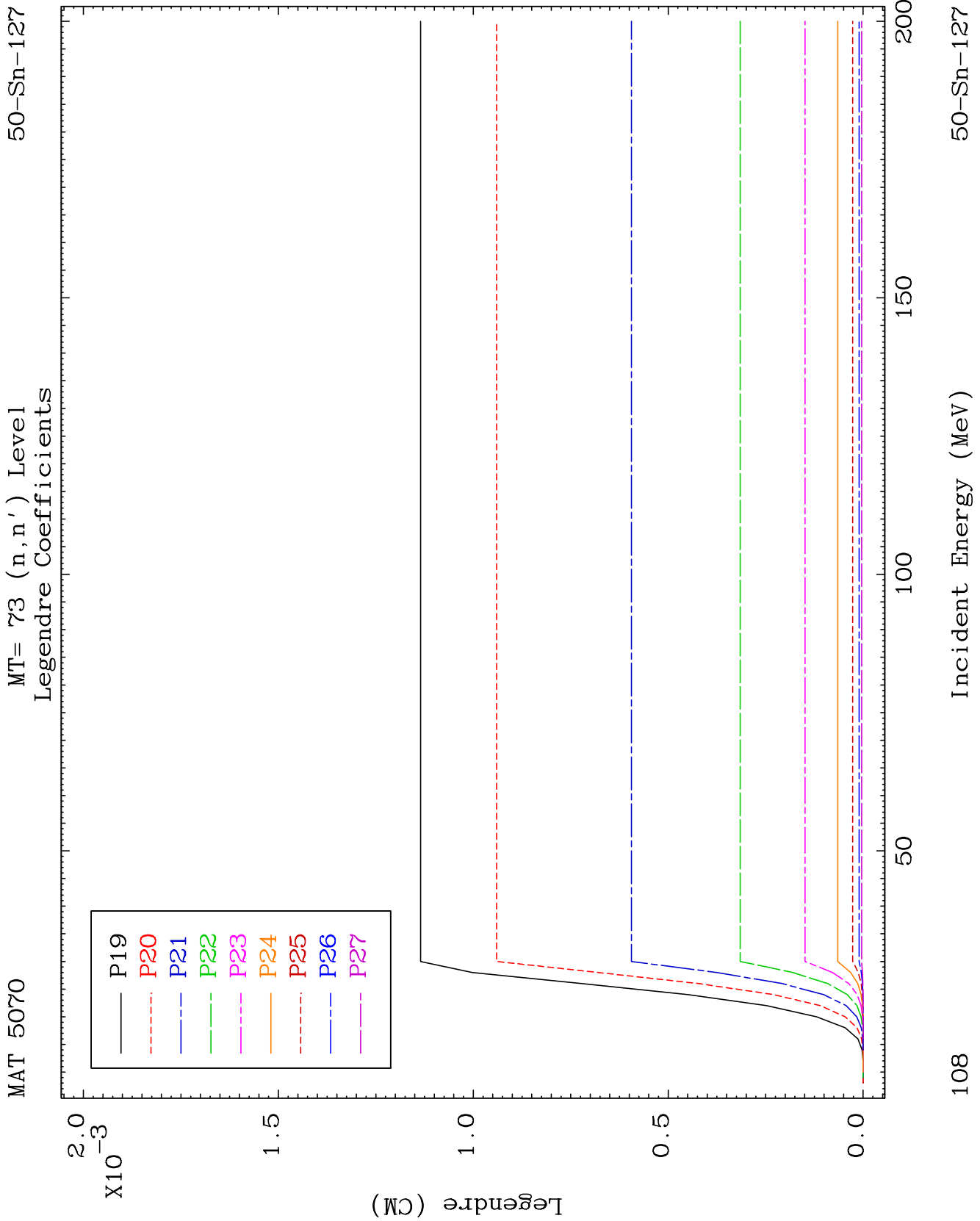
MT= 73 (n,n') Level
Legendre Coefficients

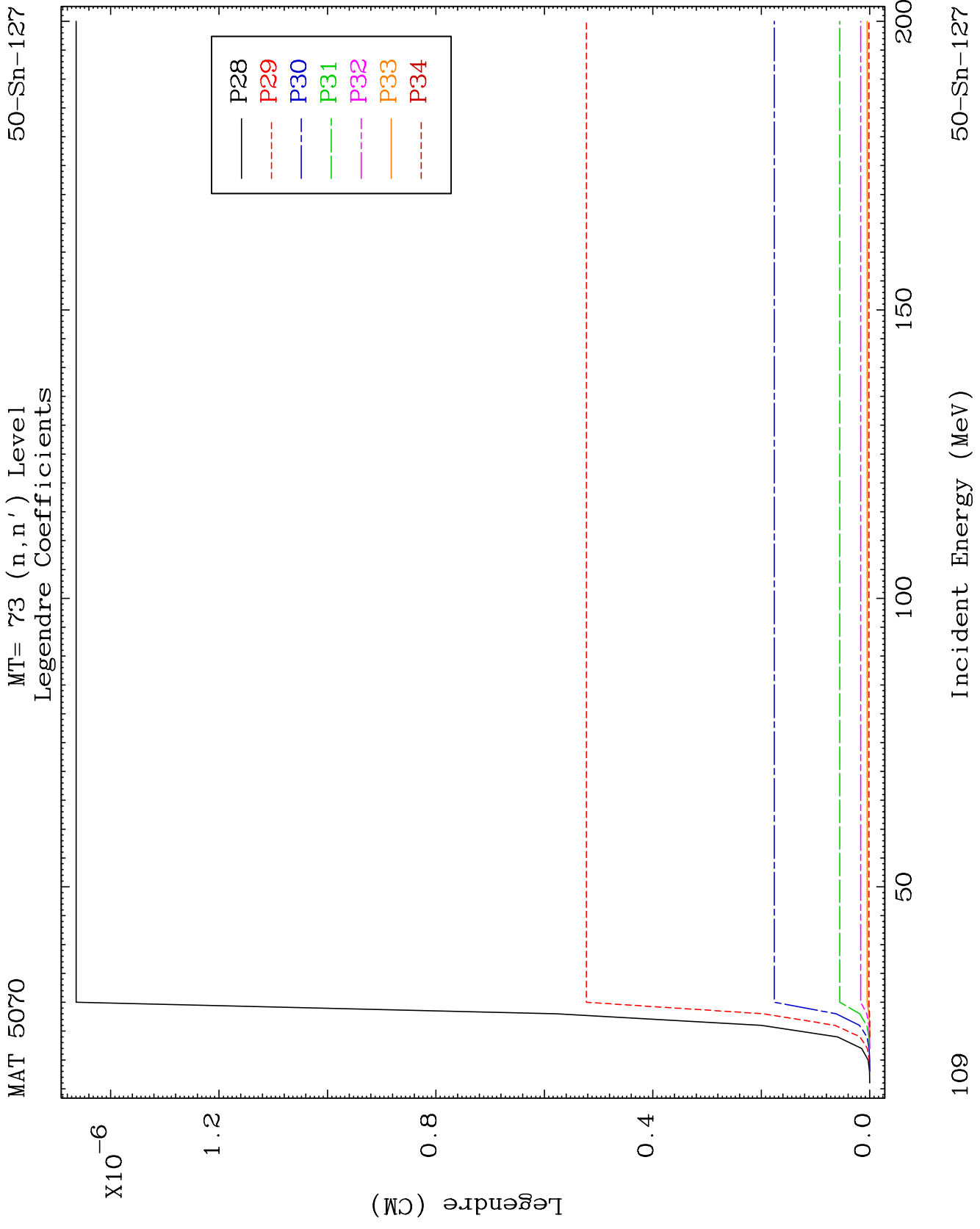
50-Sn-127



107

50-Sn-127

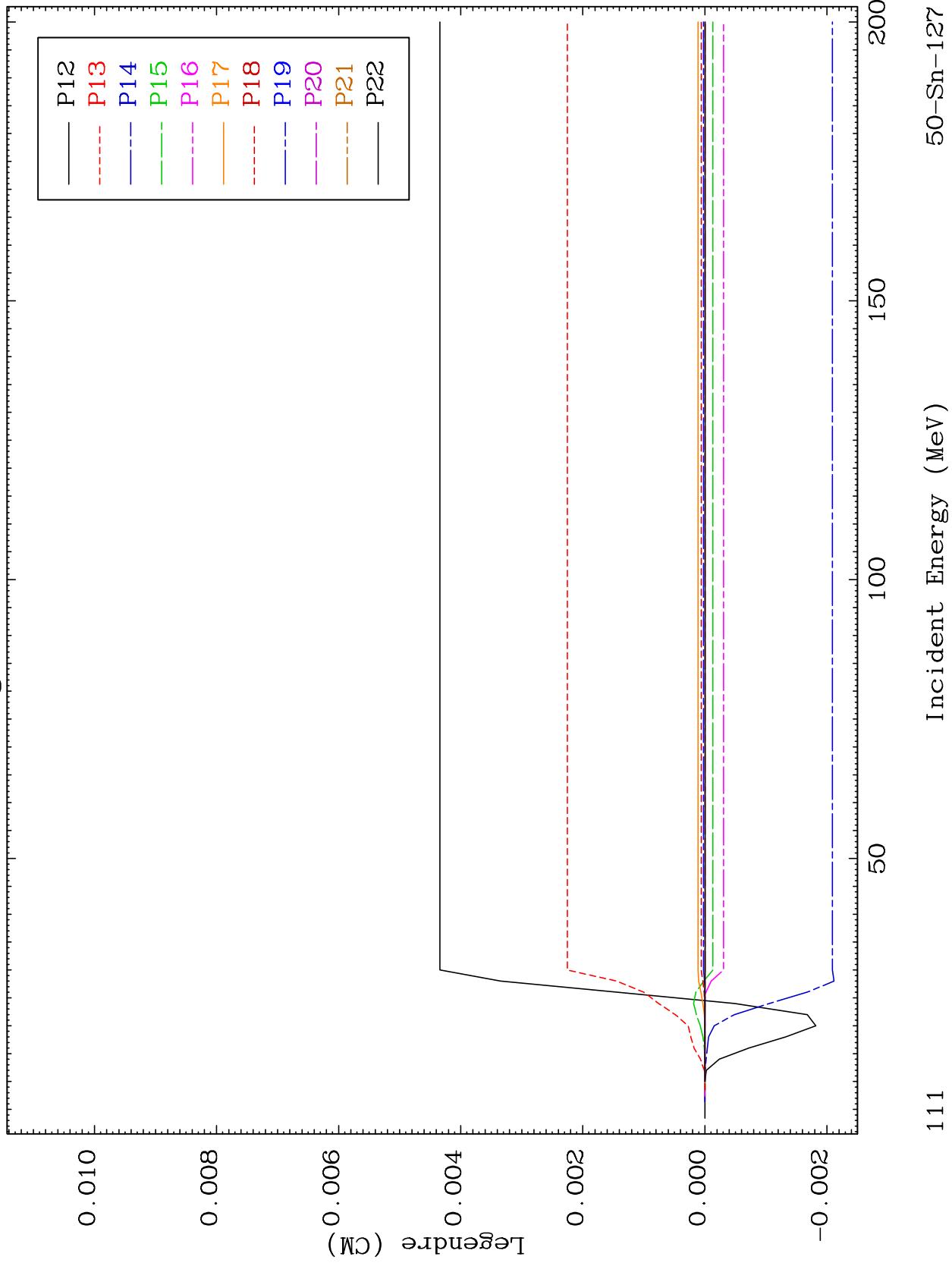




MAT 5070

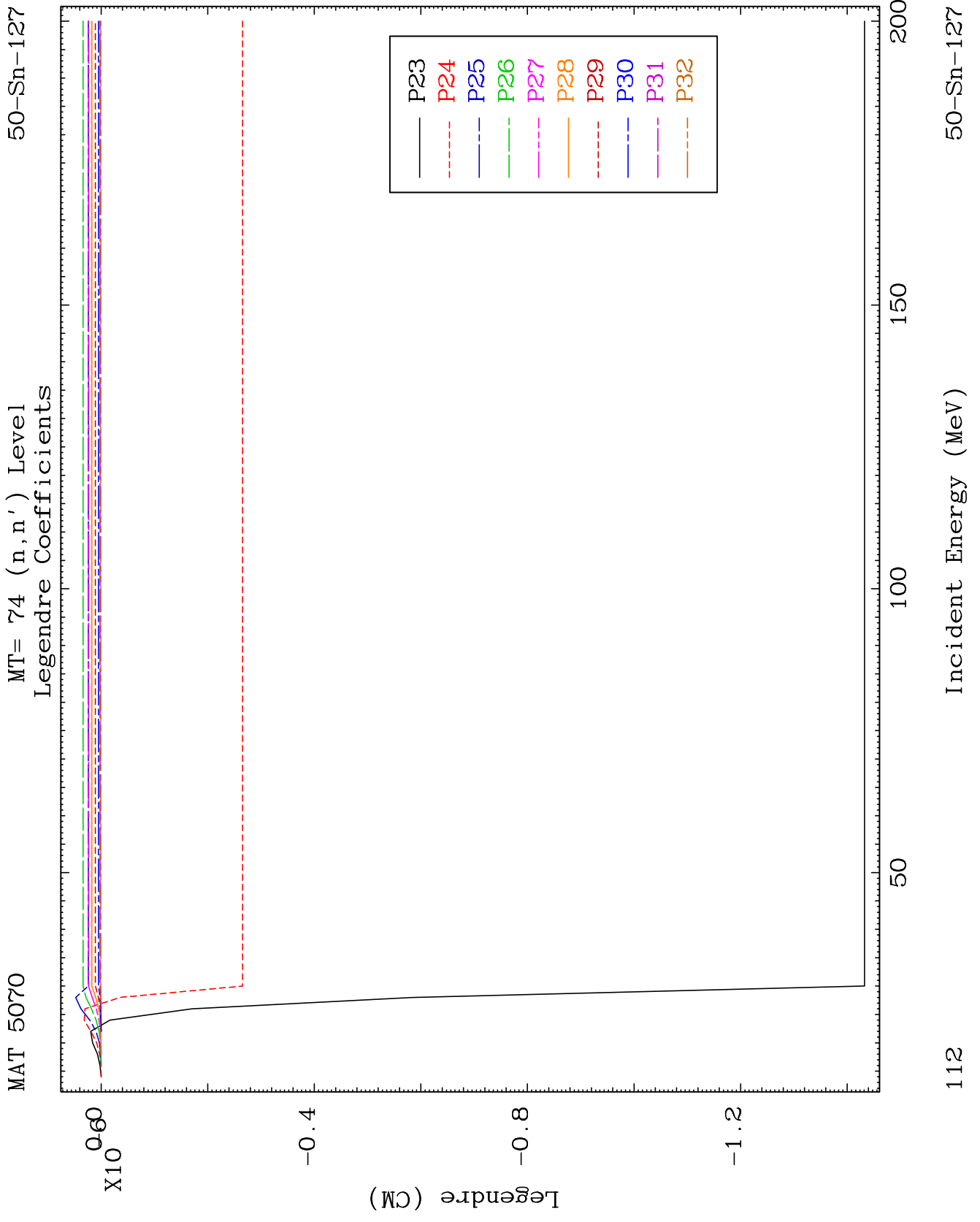
MT= 74 (n,n') Level
Legendre Coefficients

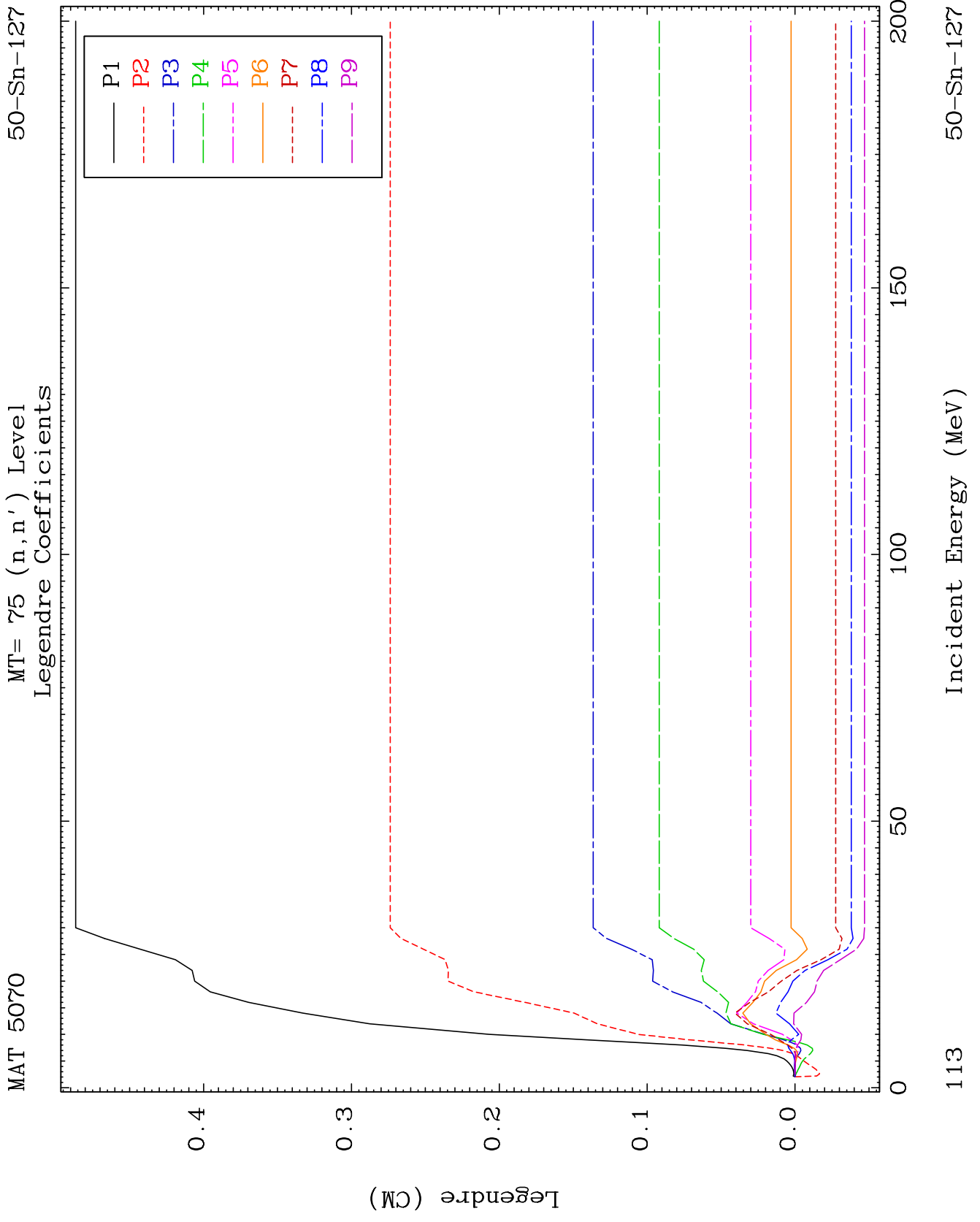
50-Sn-127

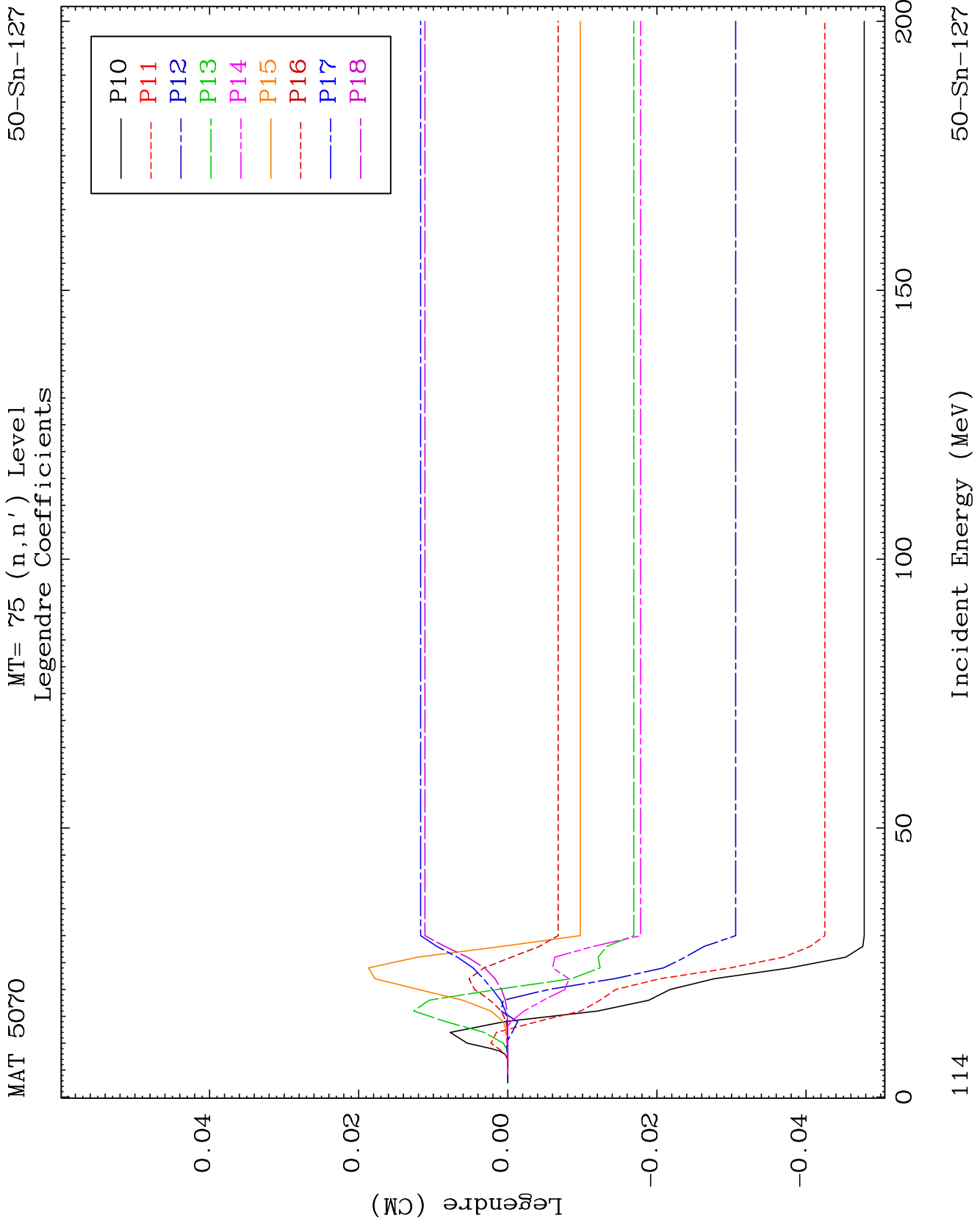


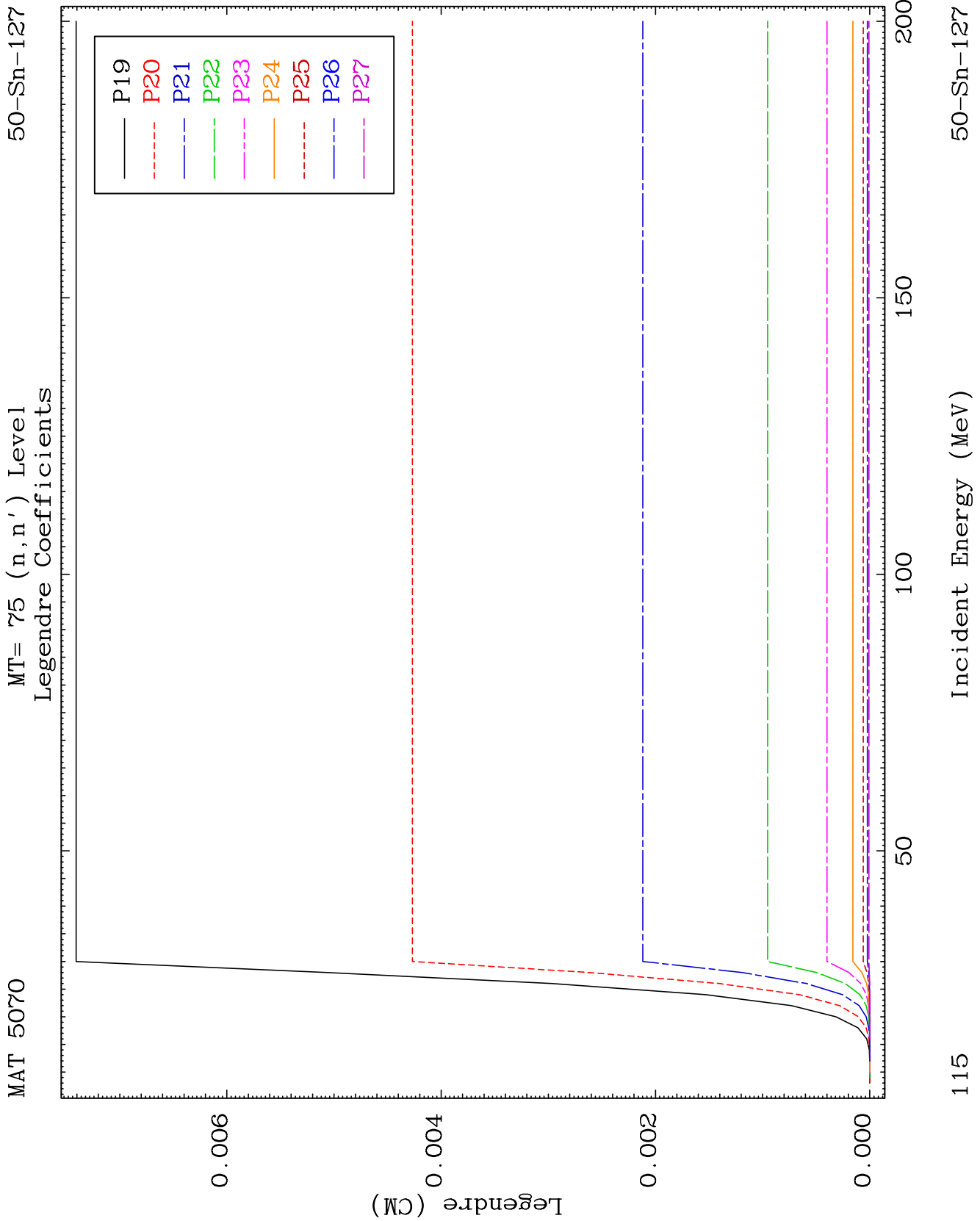
111

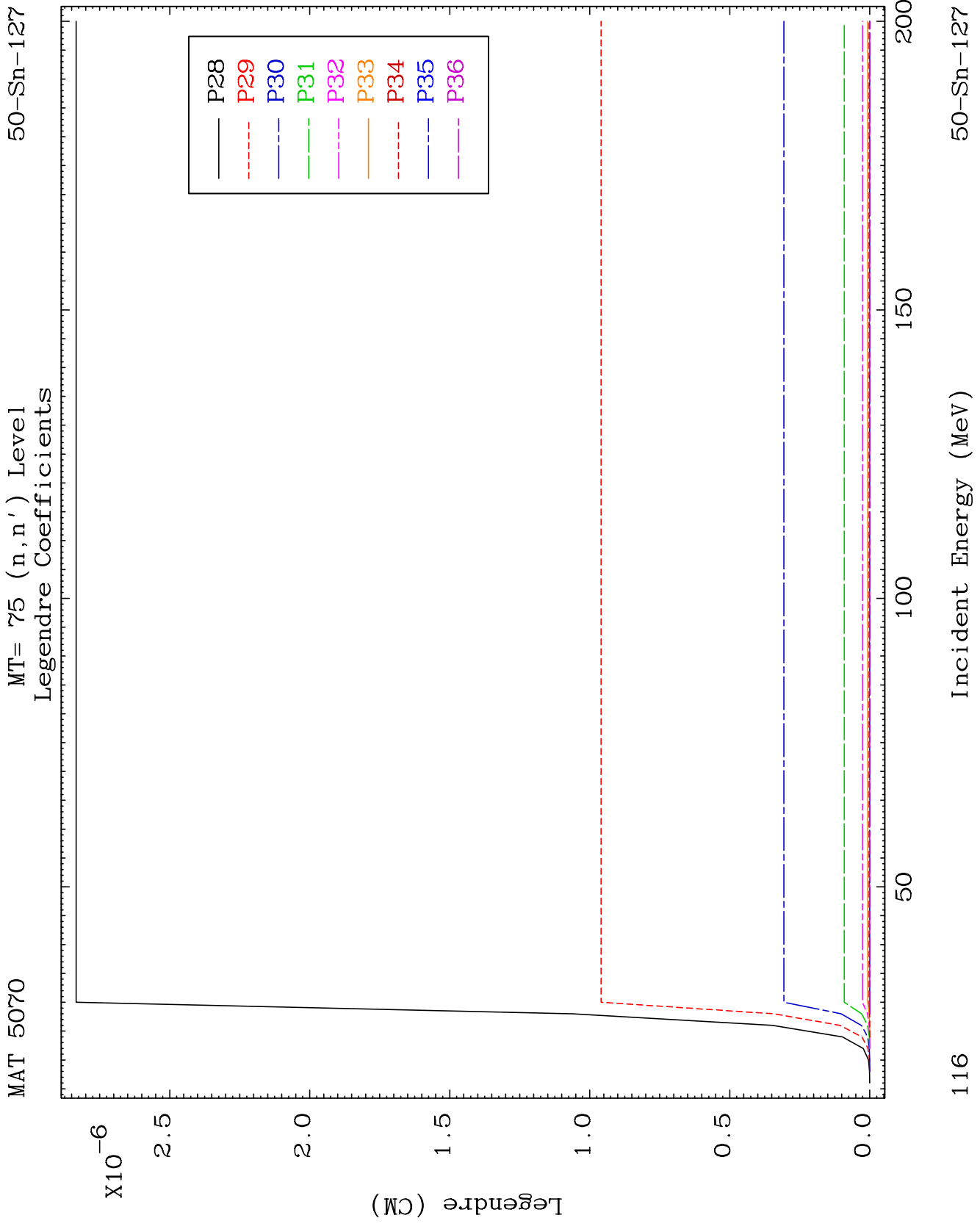
50-Sn-127

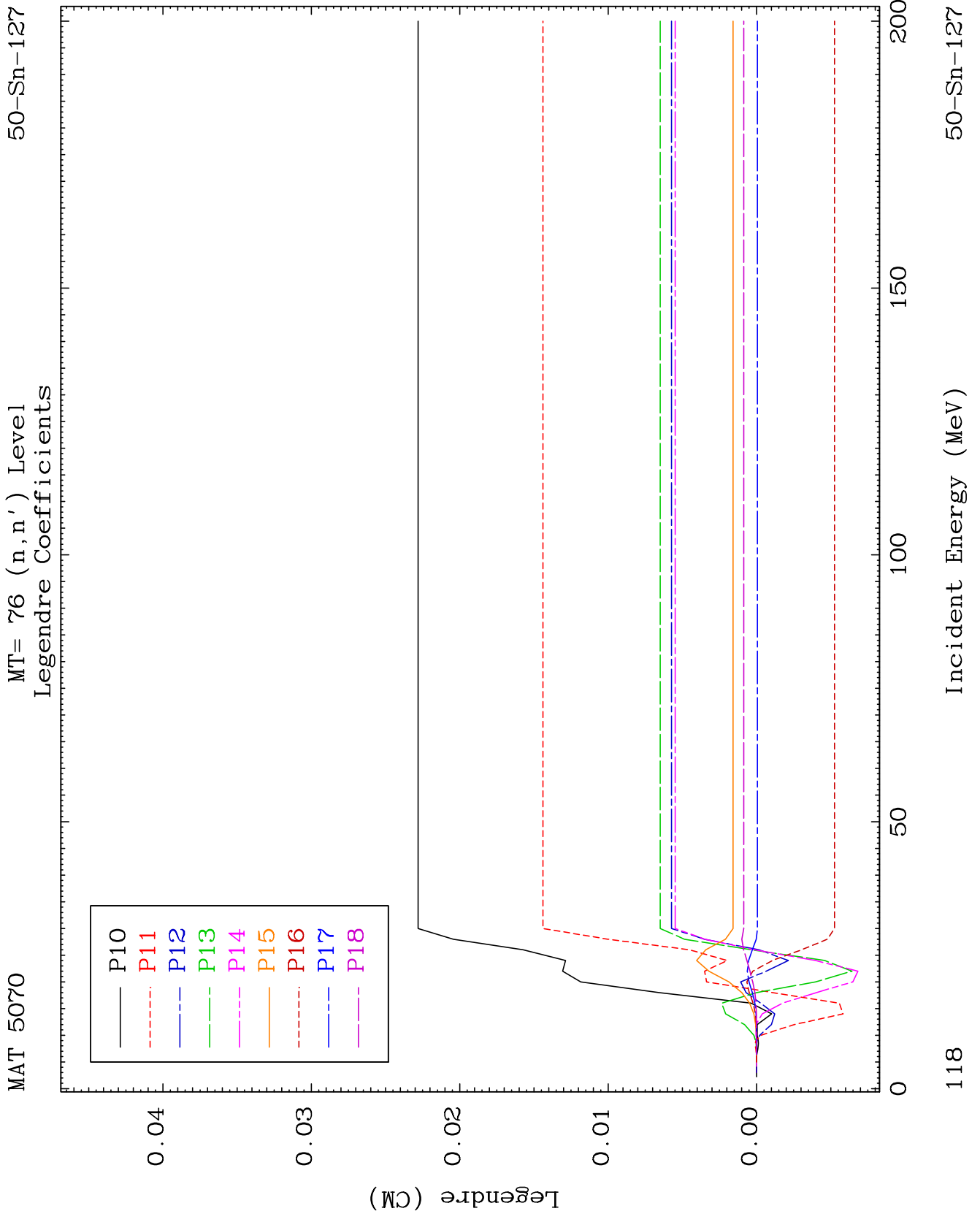


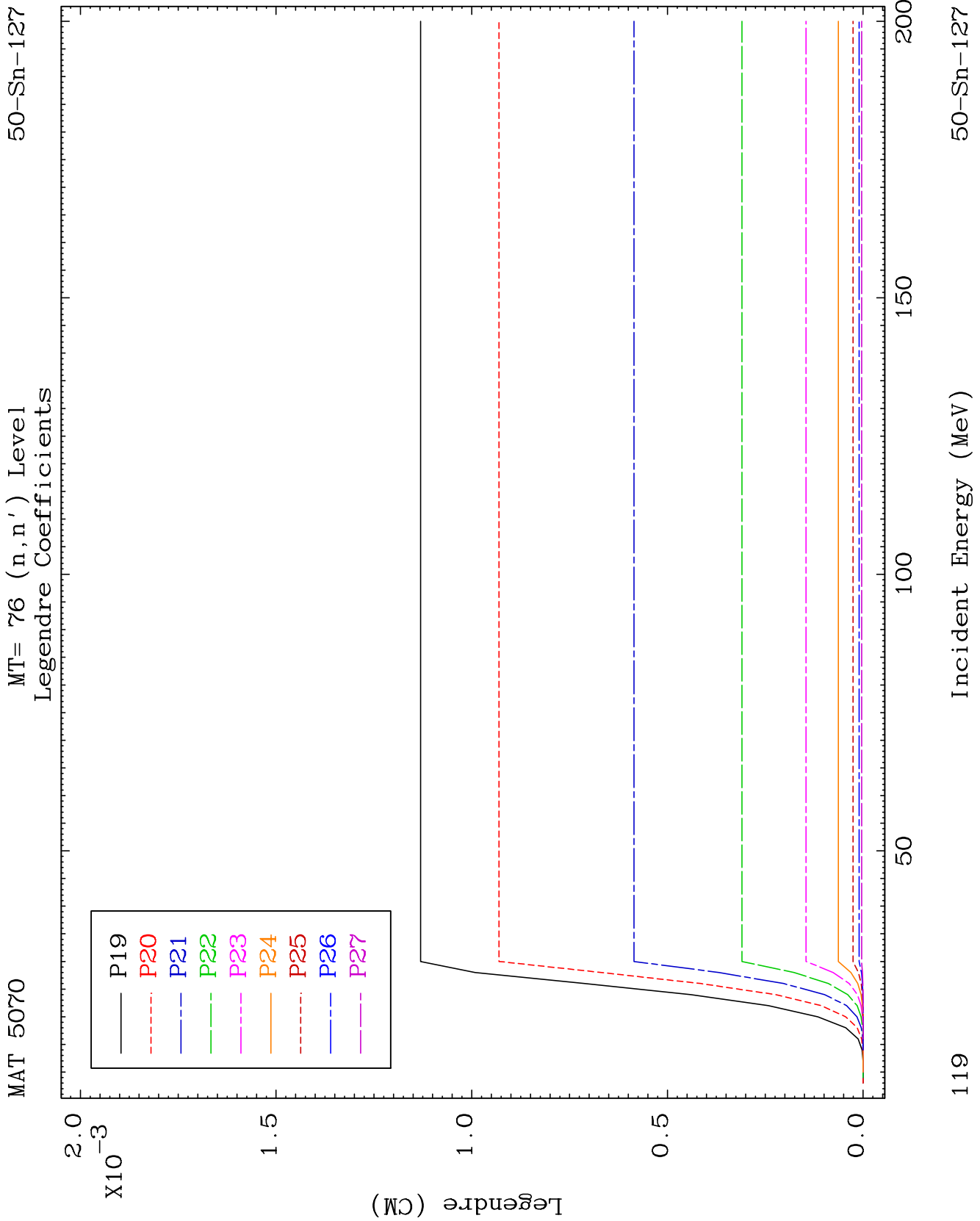


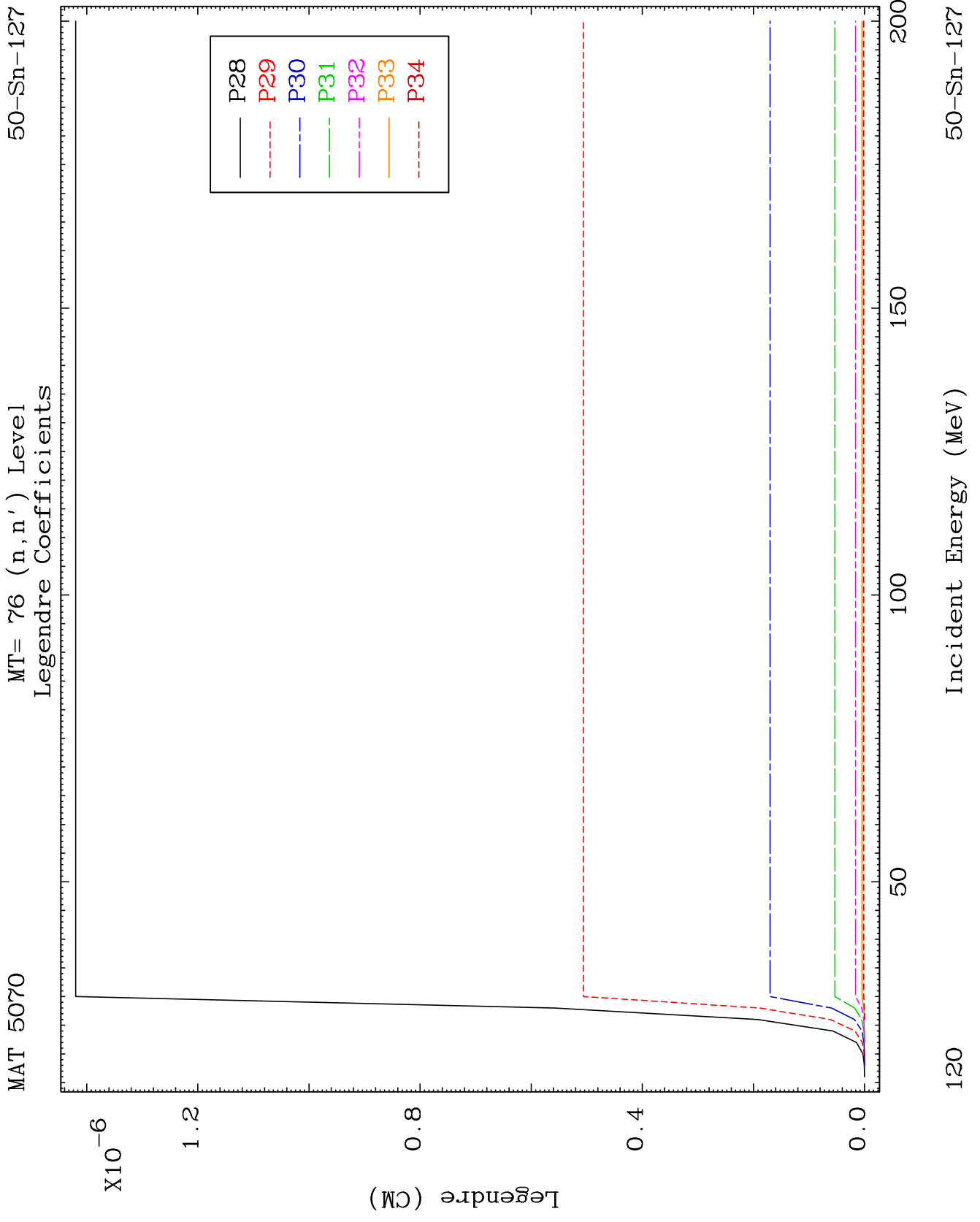


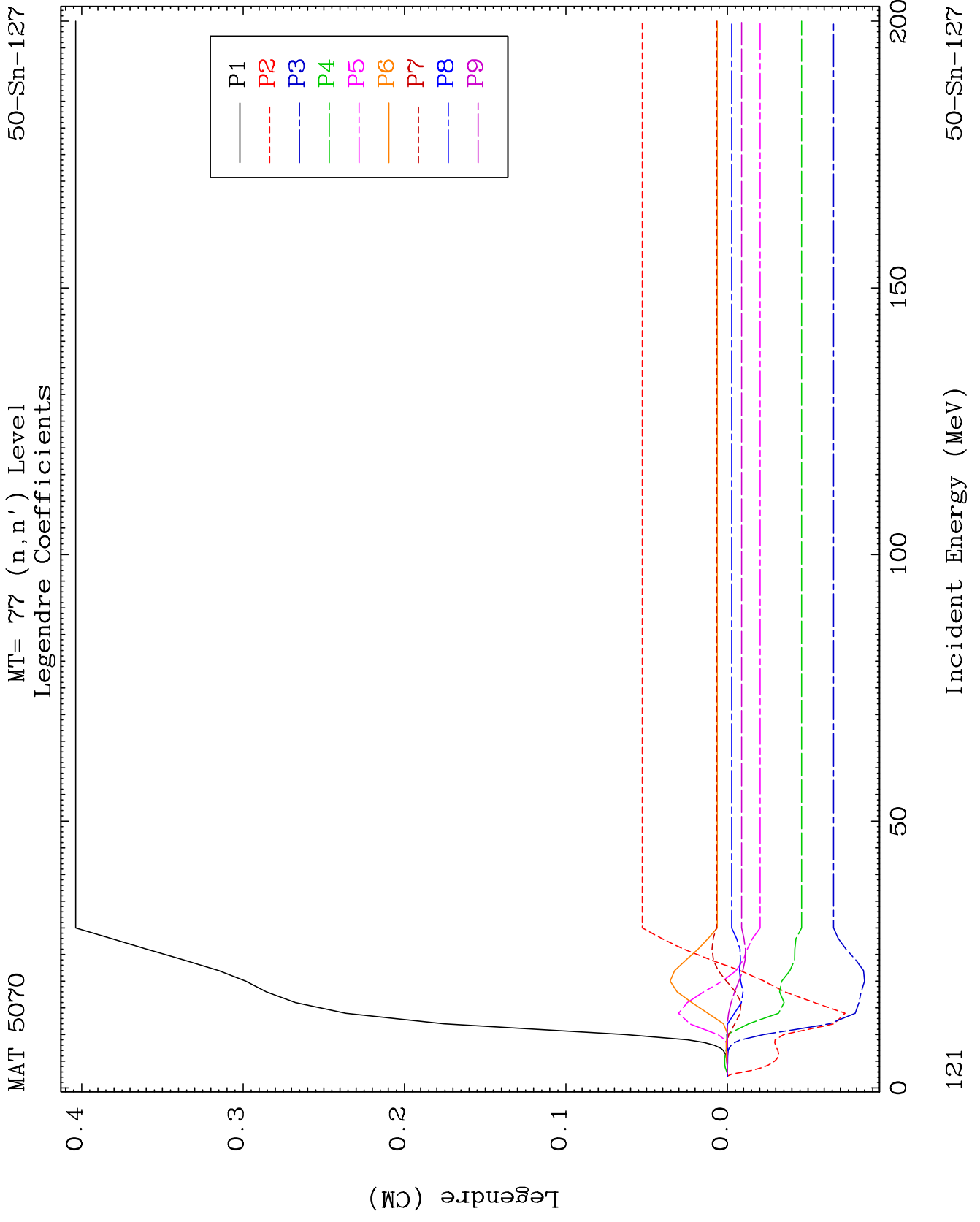


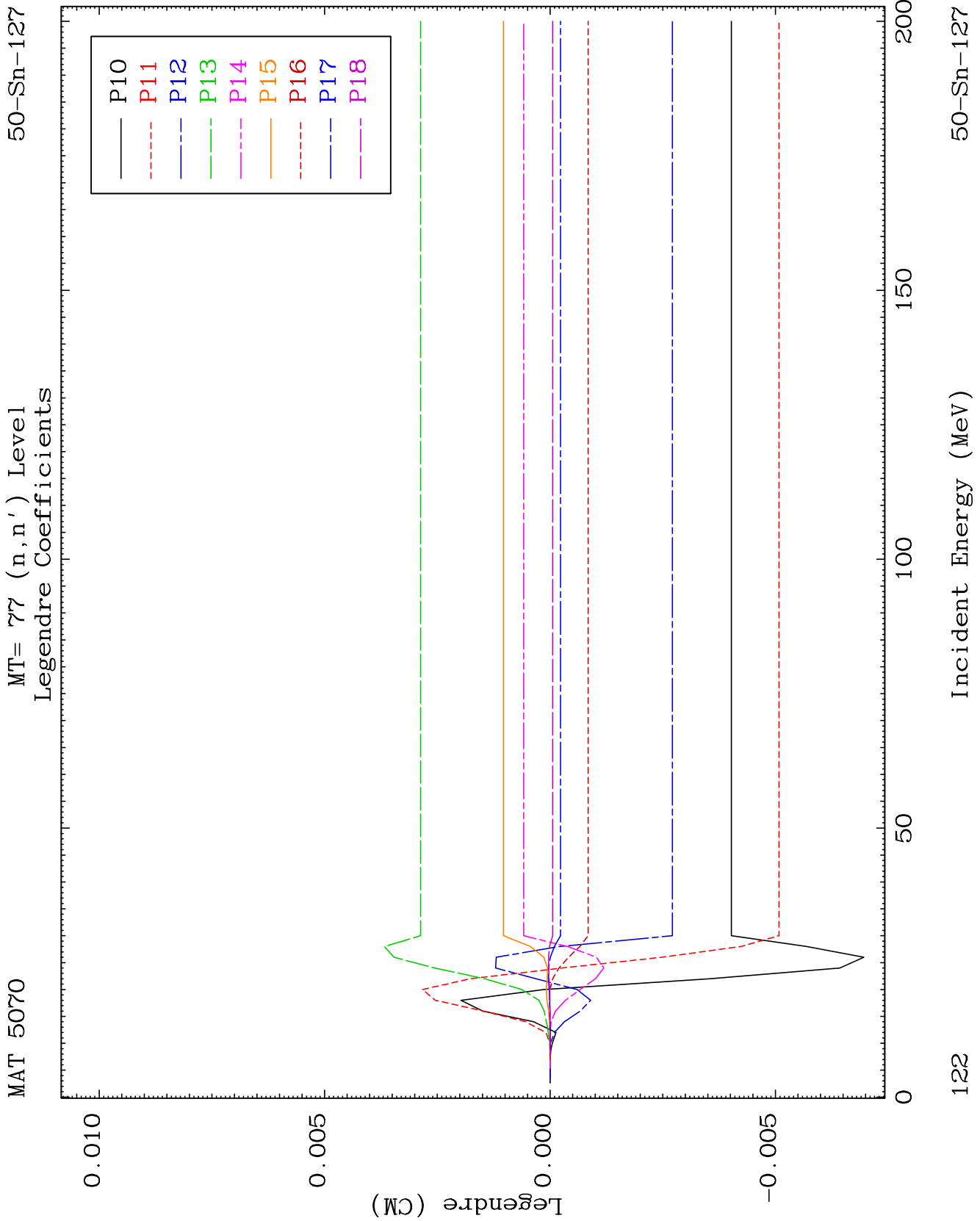


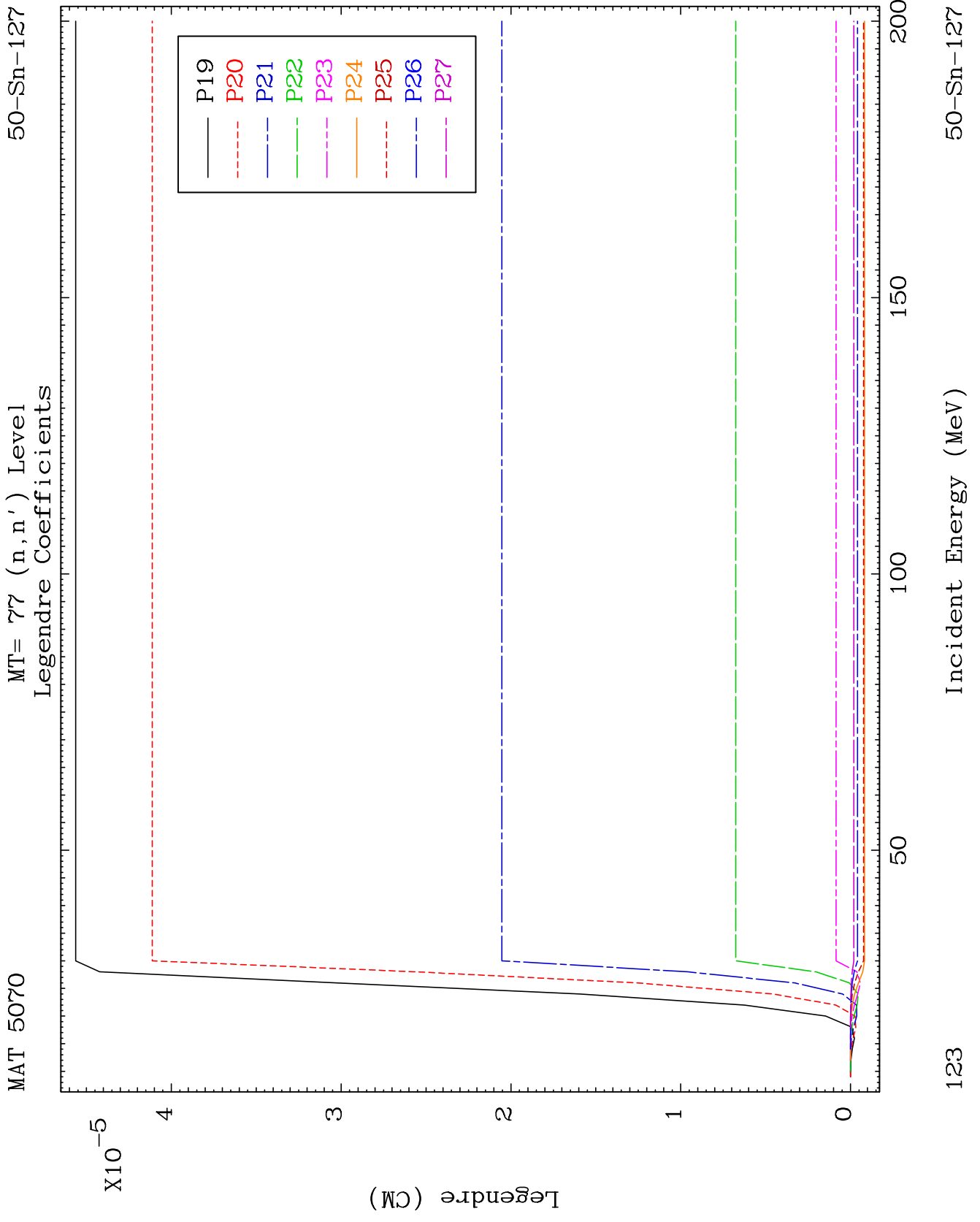


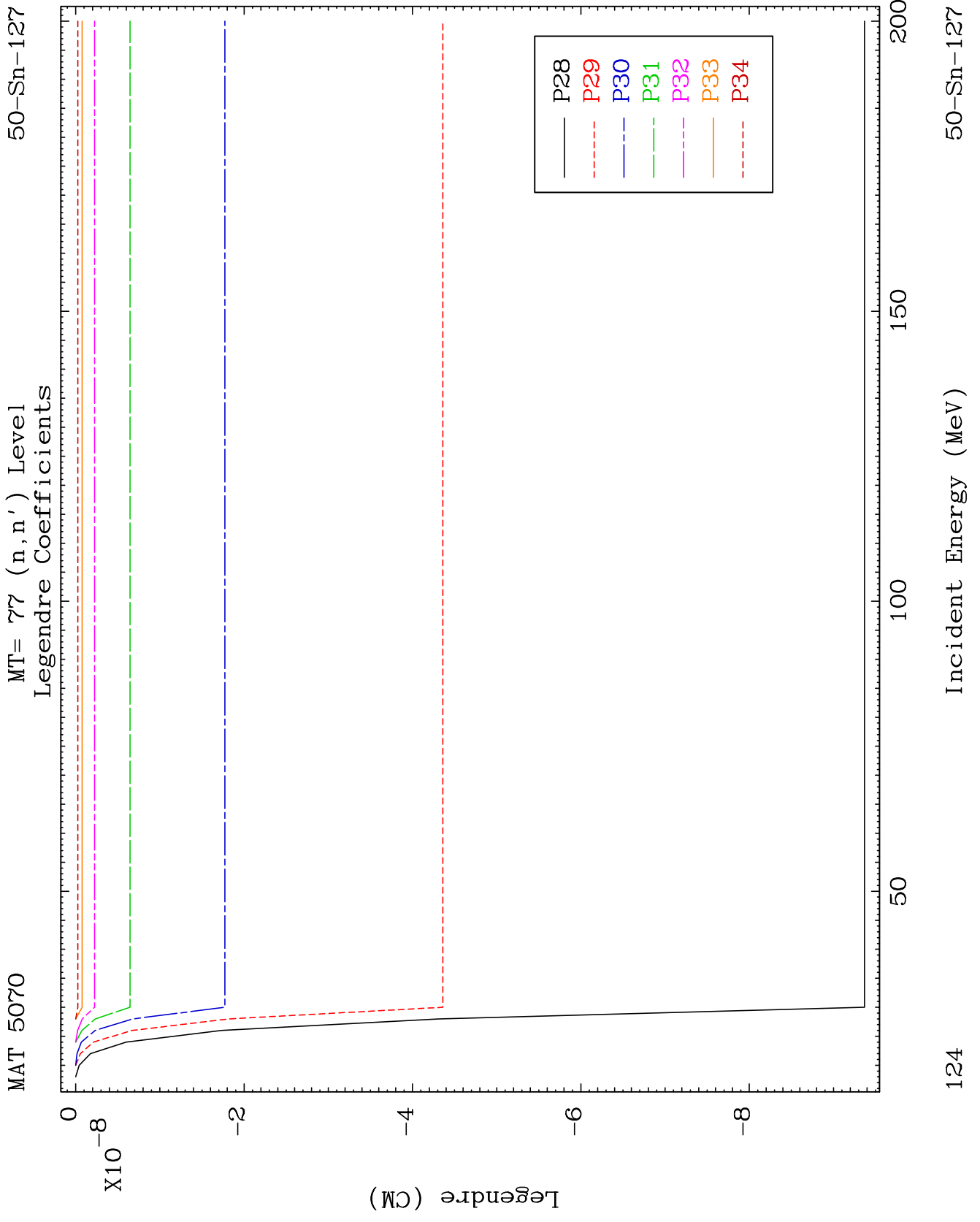


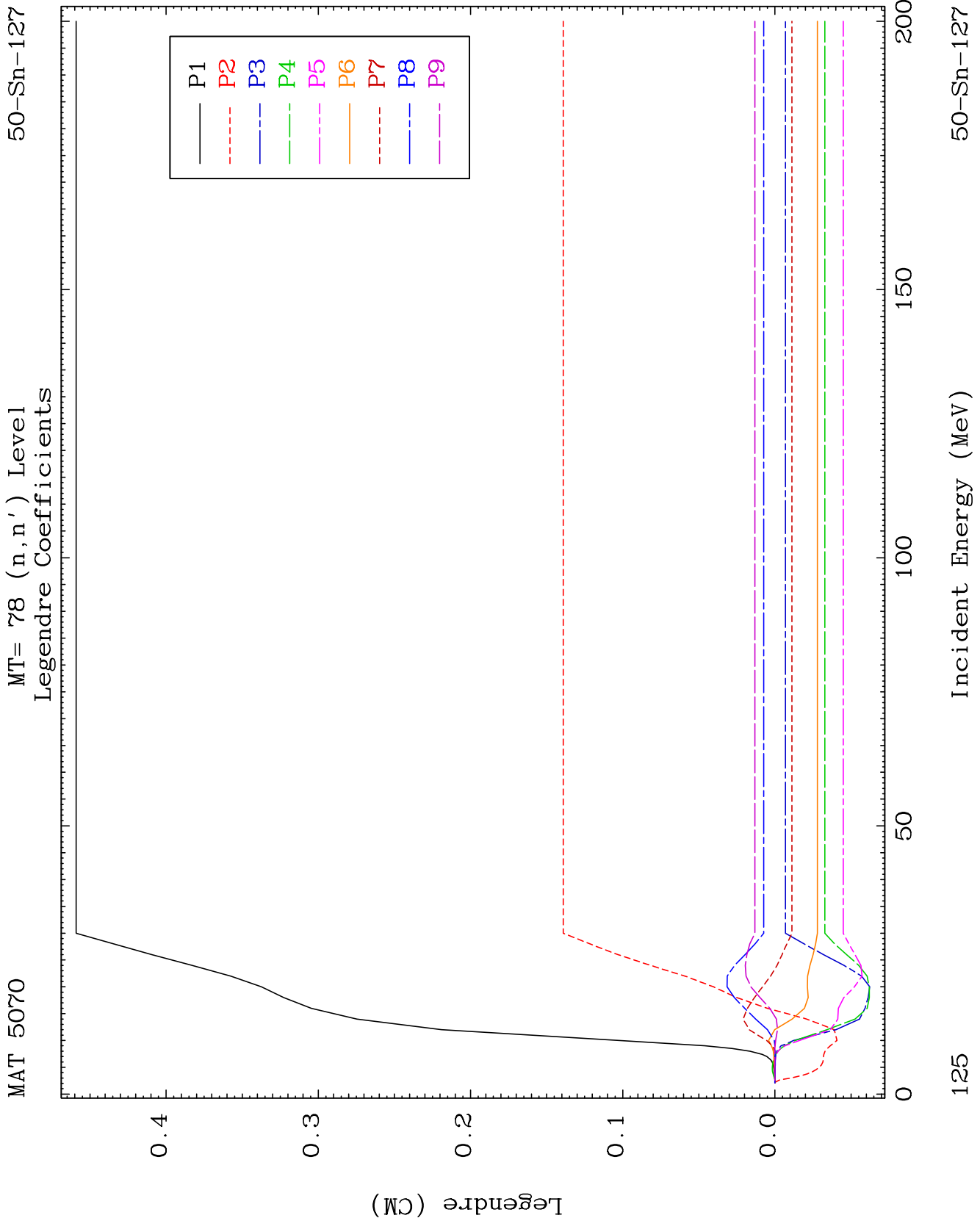








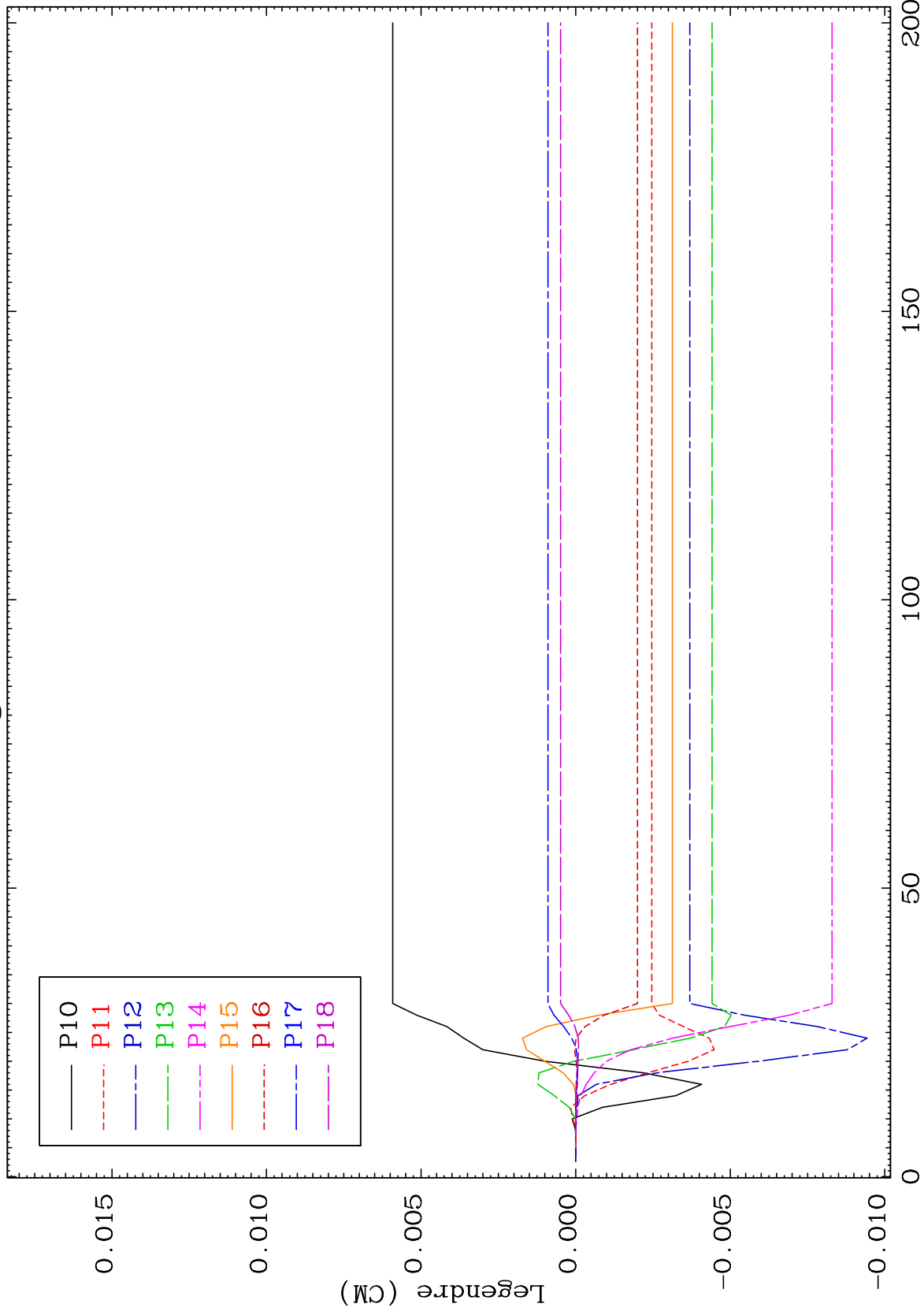




MAT 5070

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

50-Sn-127



126

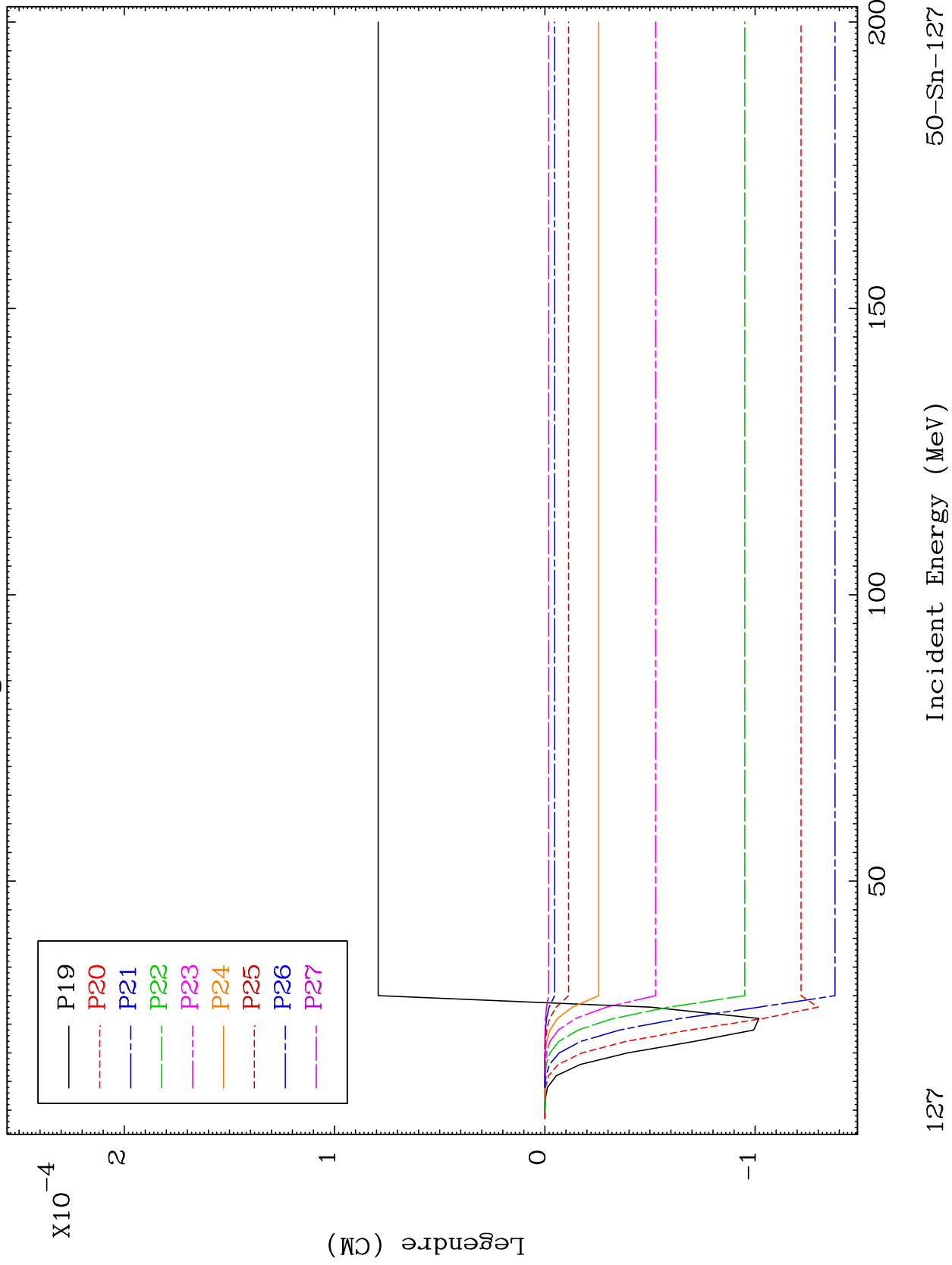
Incident Energy (MeV)

50-Sn-127

MAT 5070

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

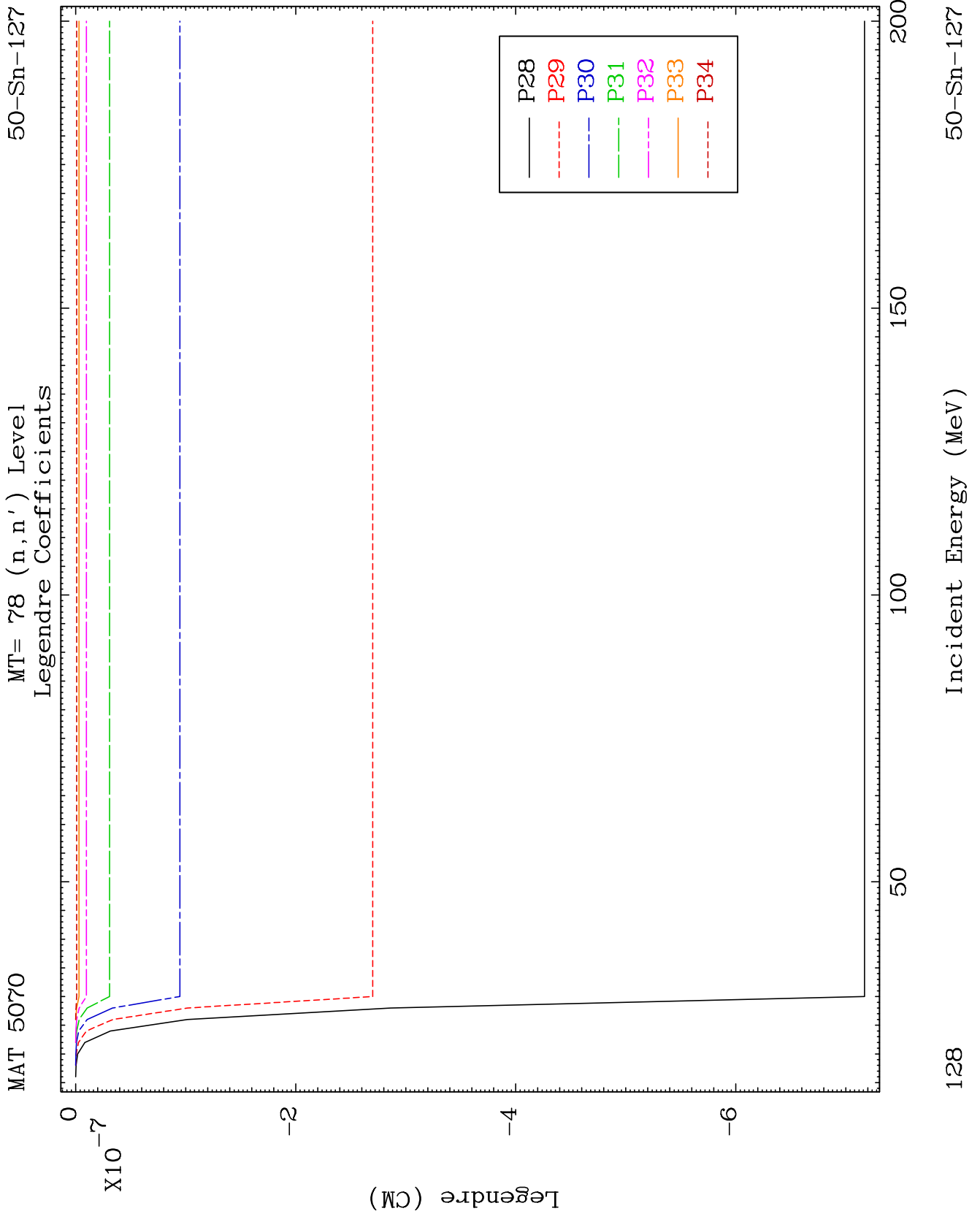
50-Sn-127

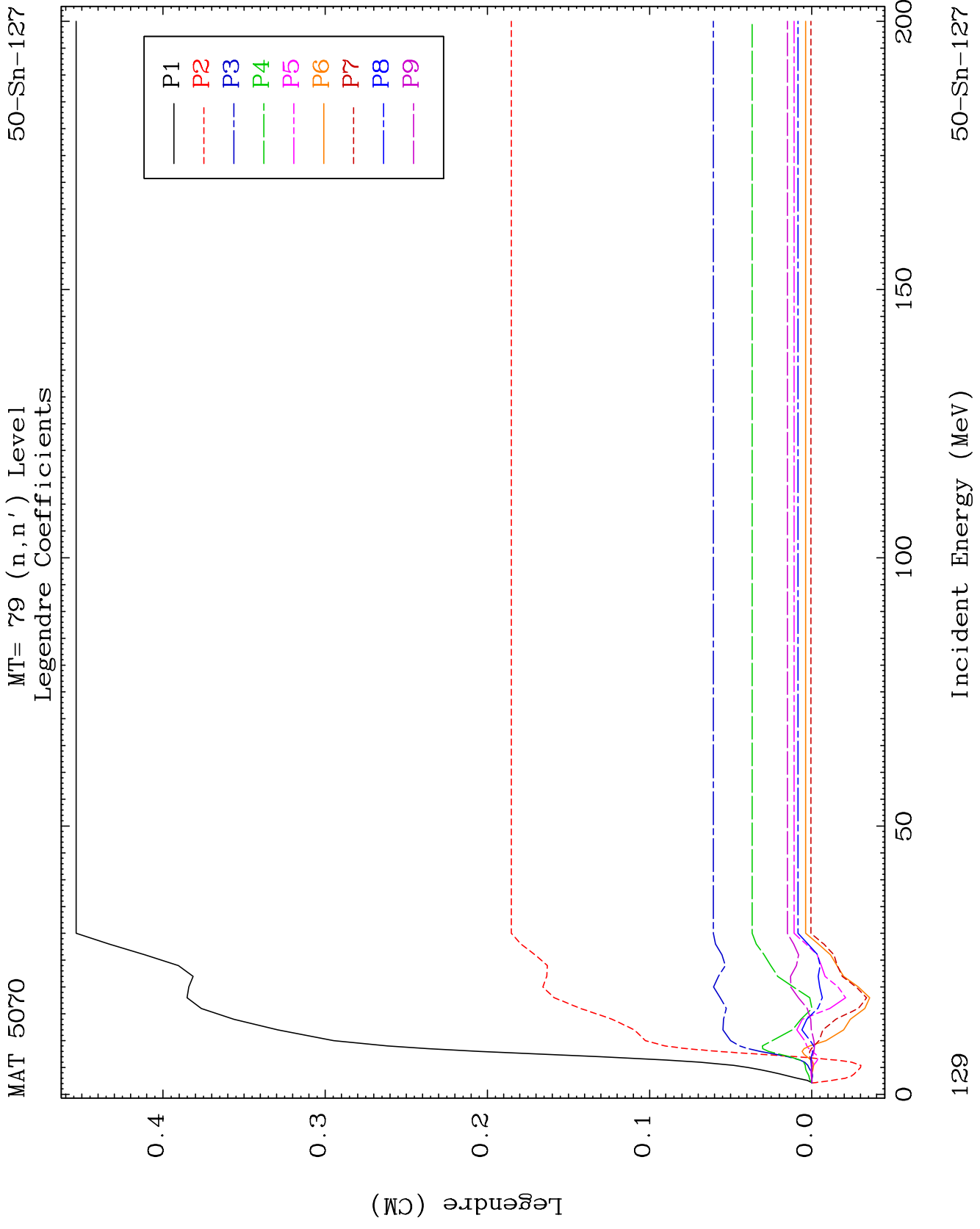


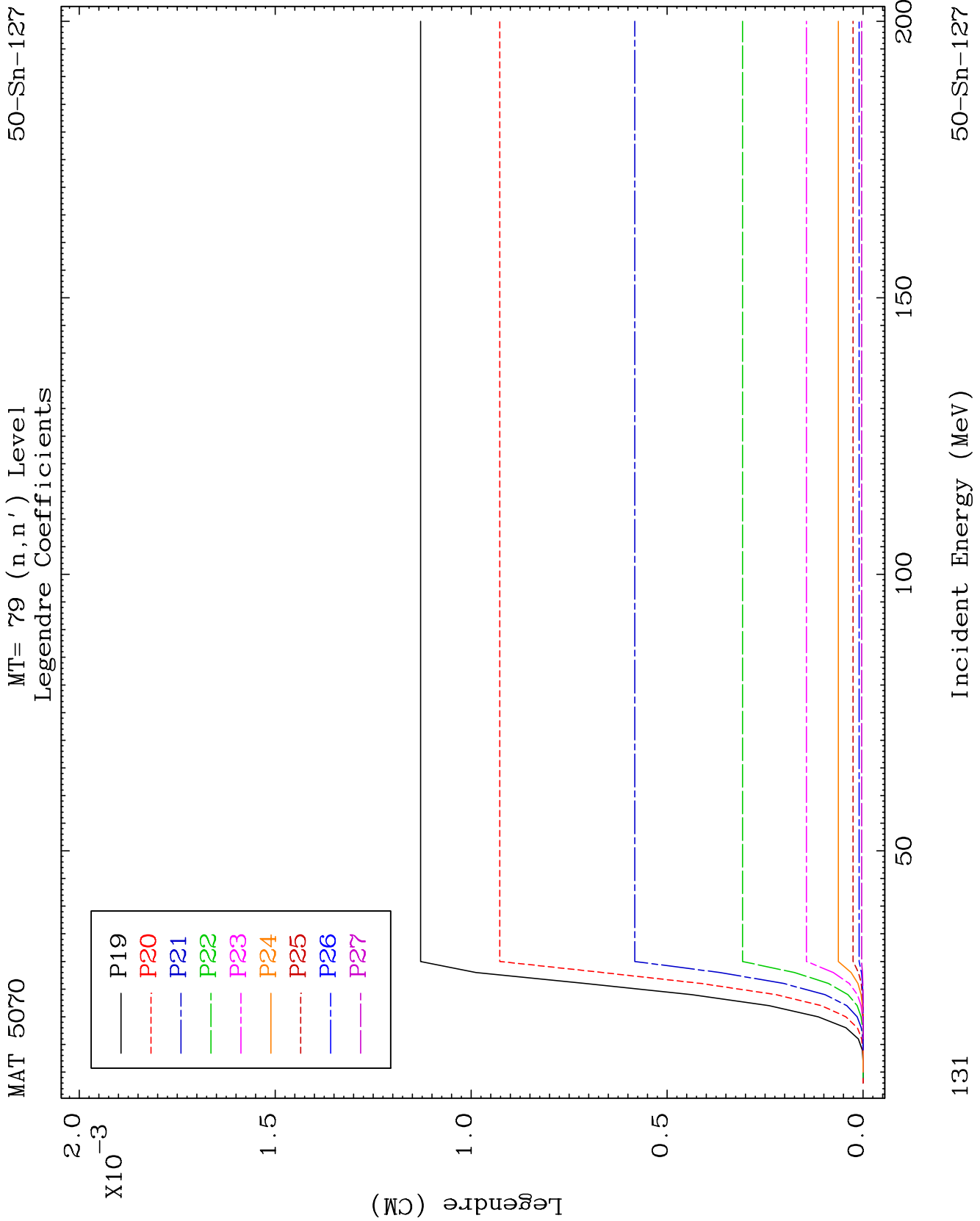
127

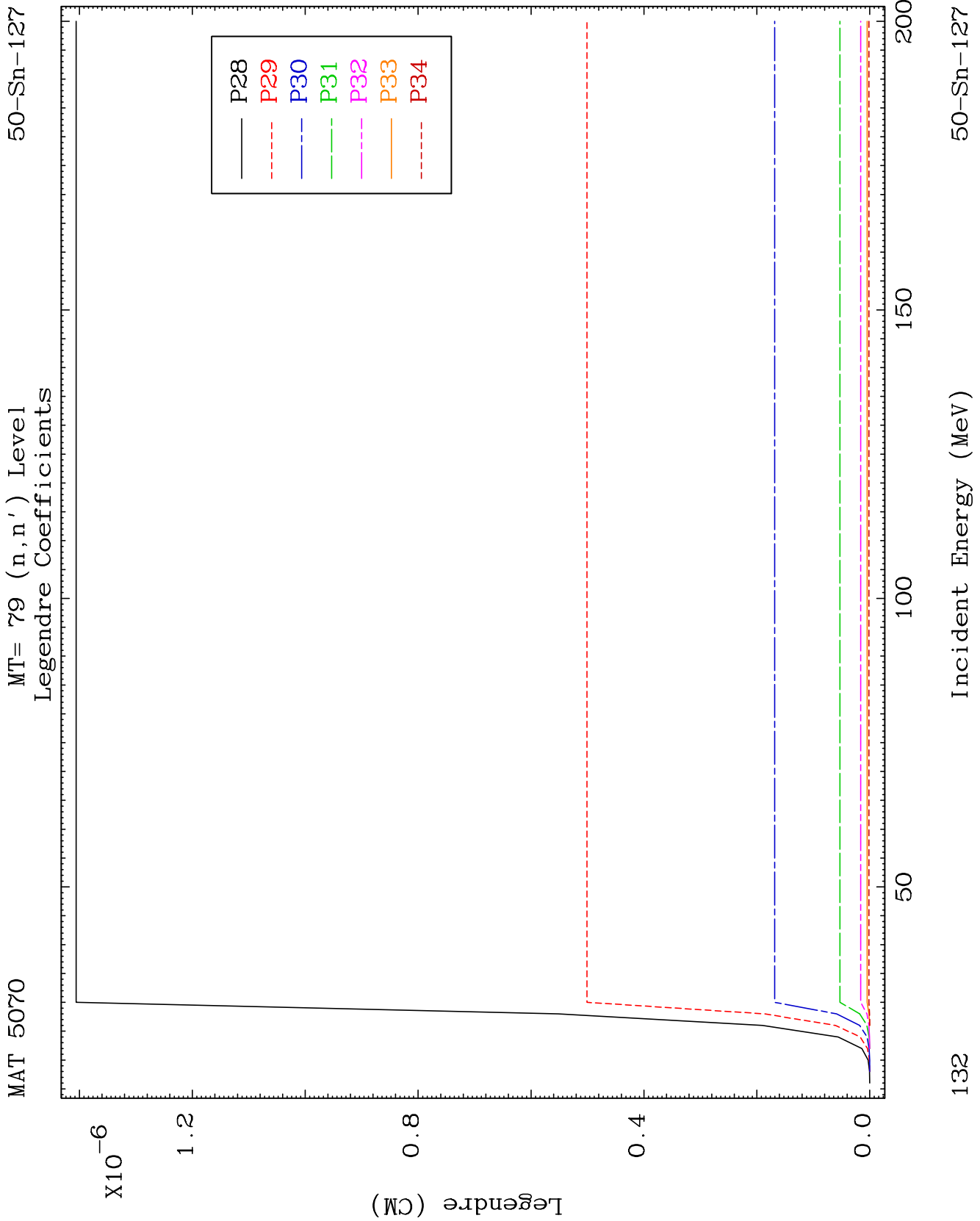
Incident Energy (MeV)

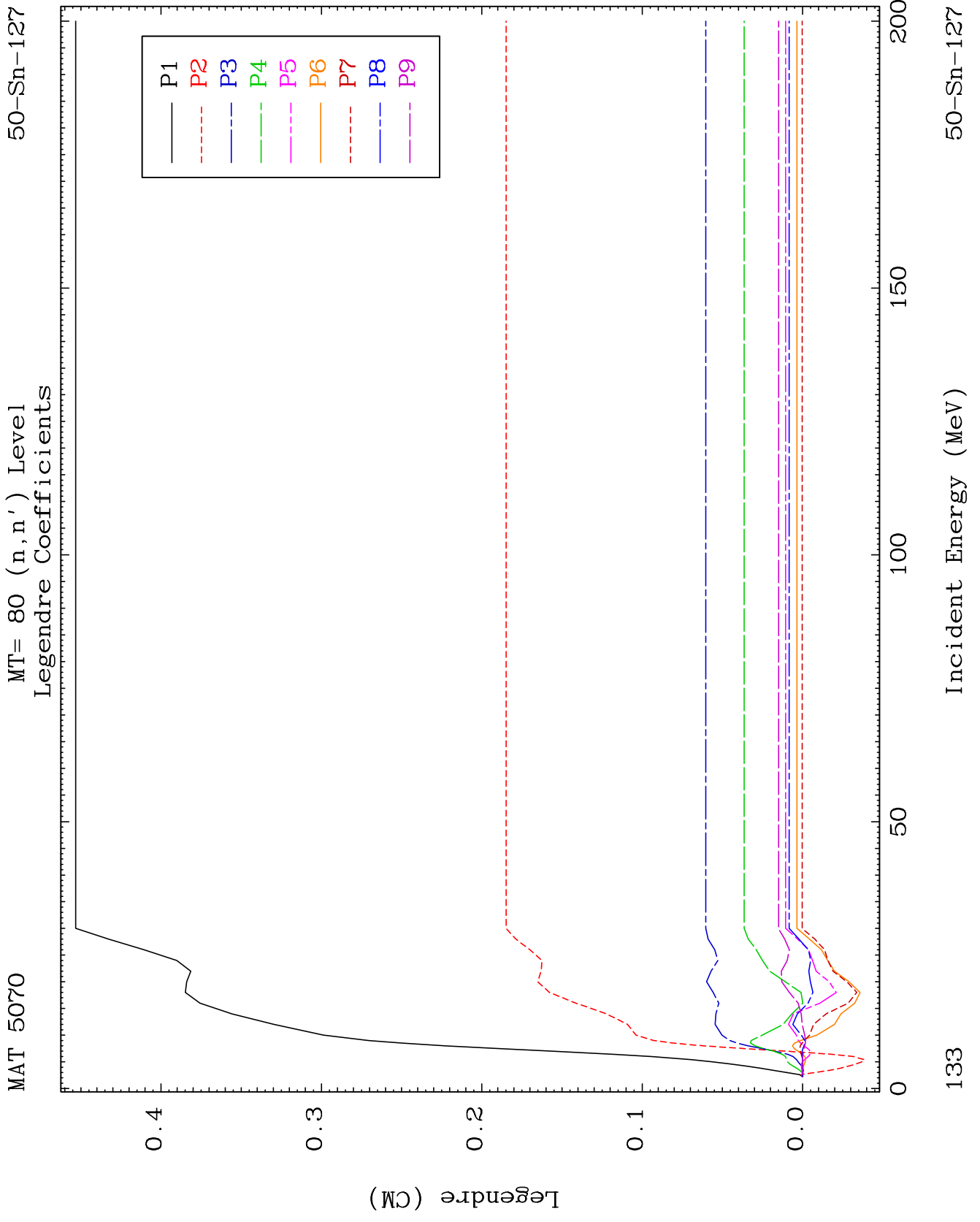
50-Sn-127

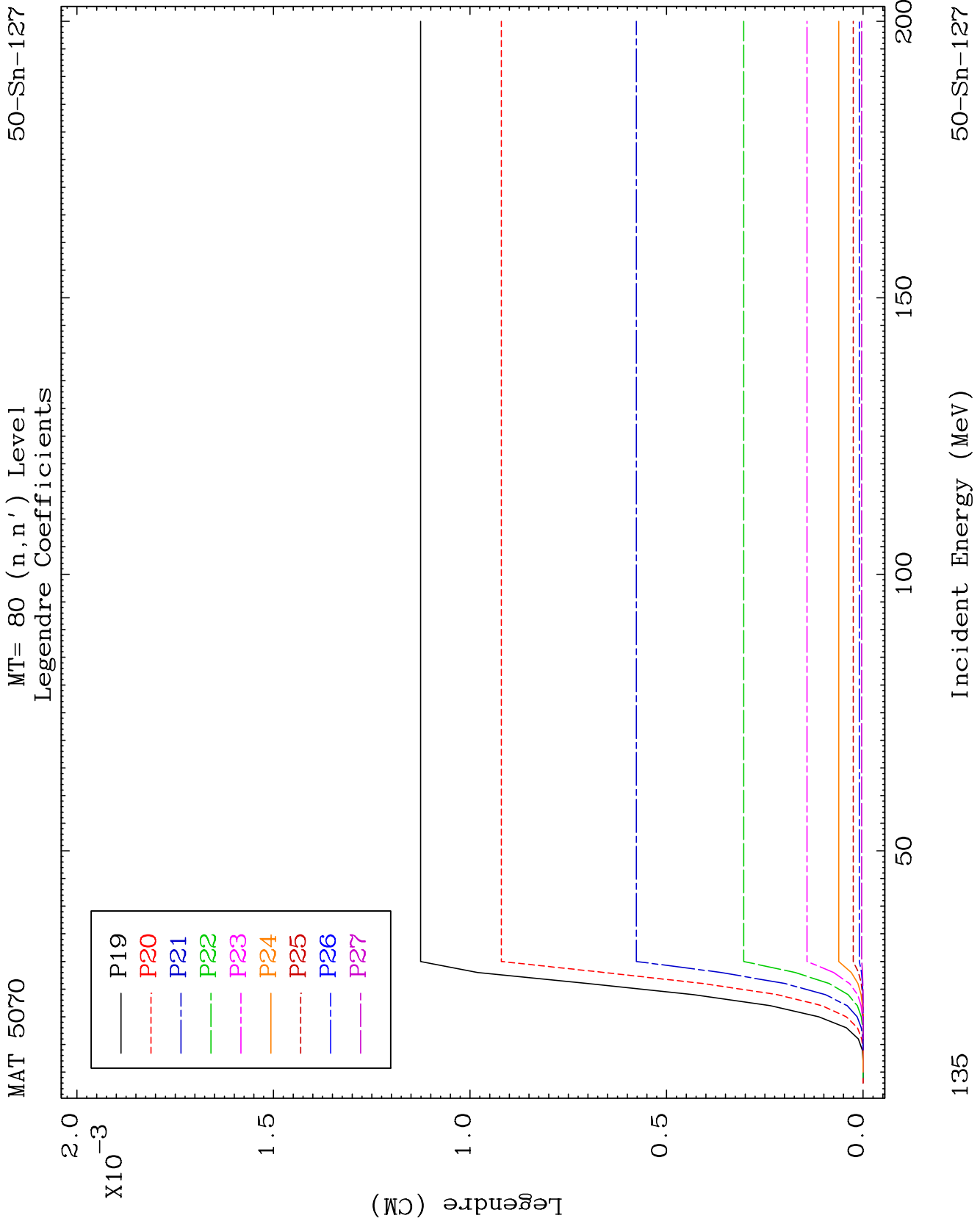


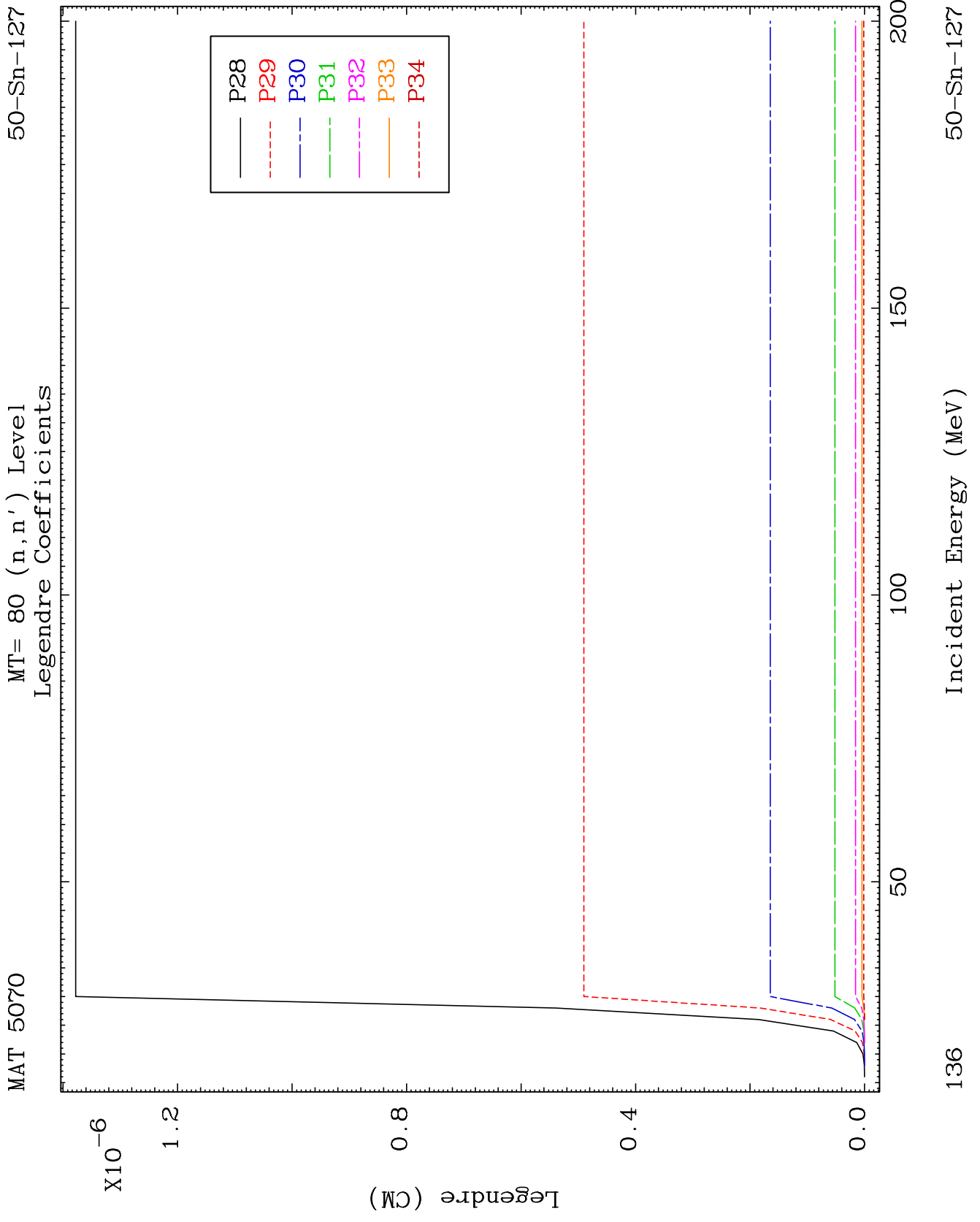








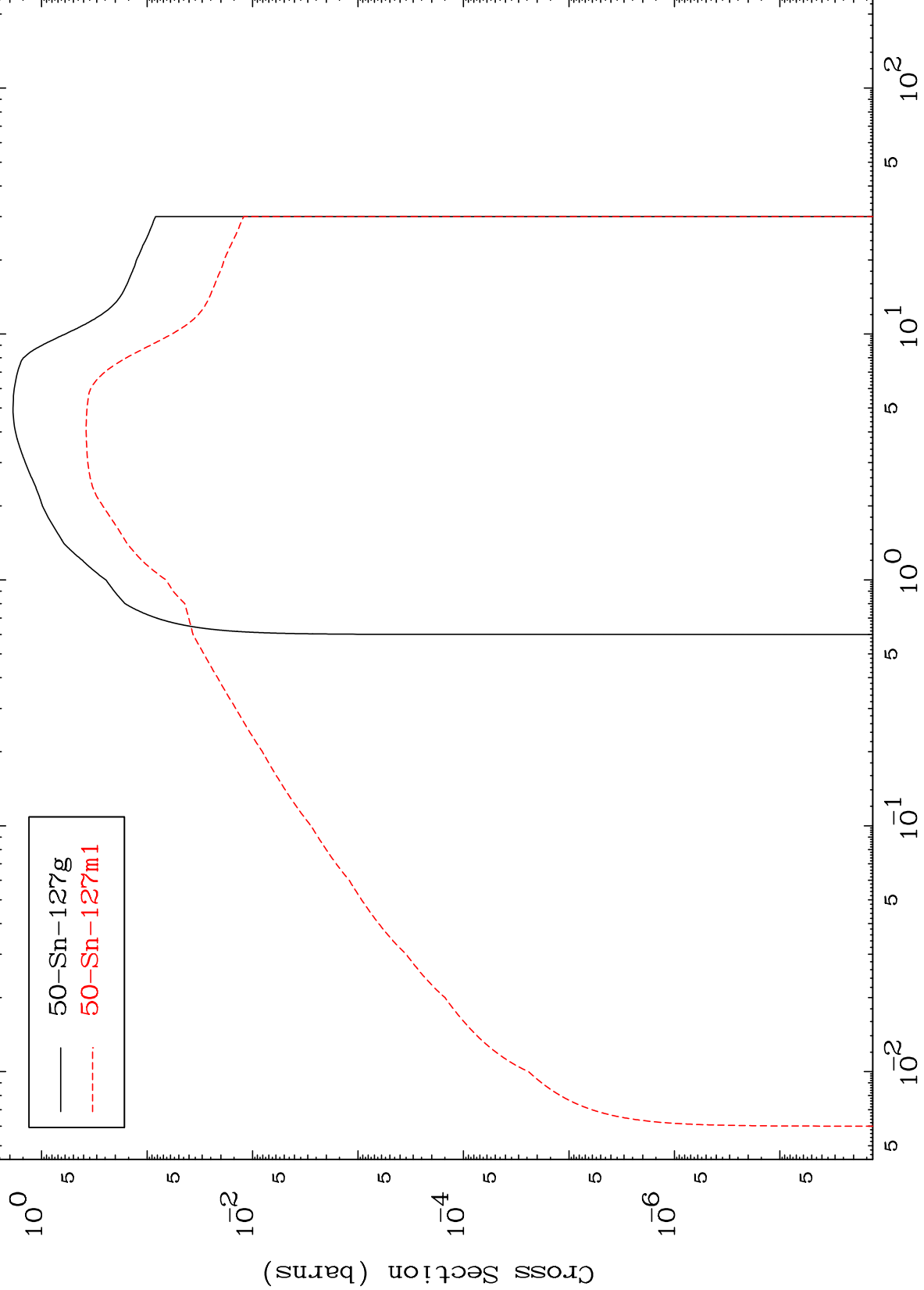




MAT 5070

Radionuclide Production Cross Section

50-Sn-127

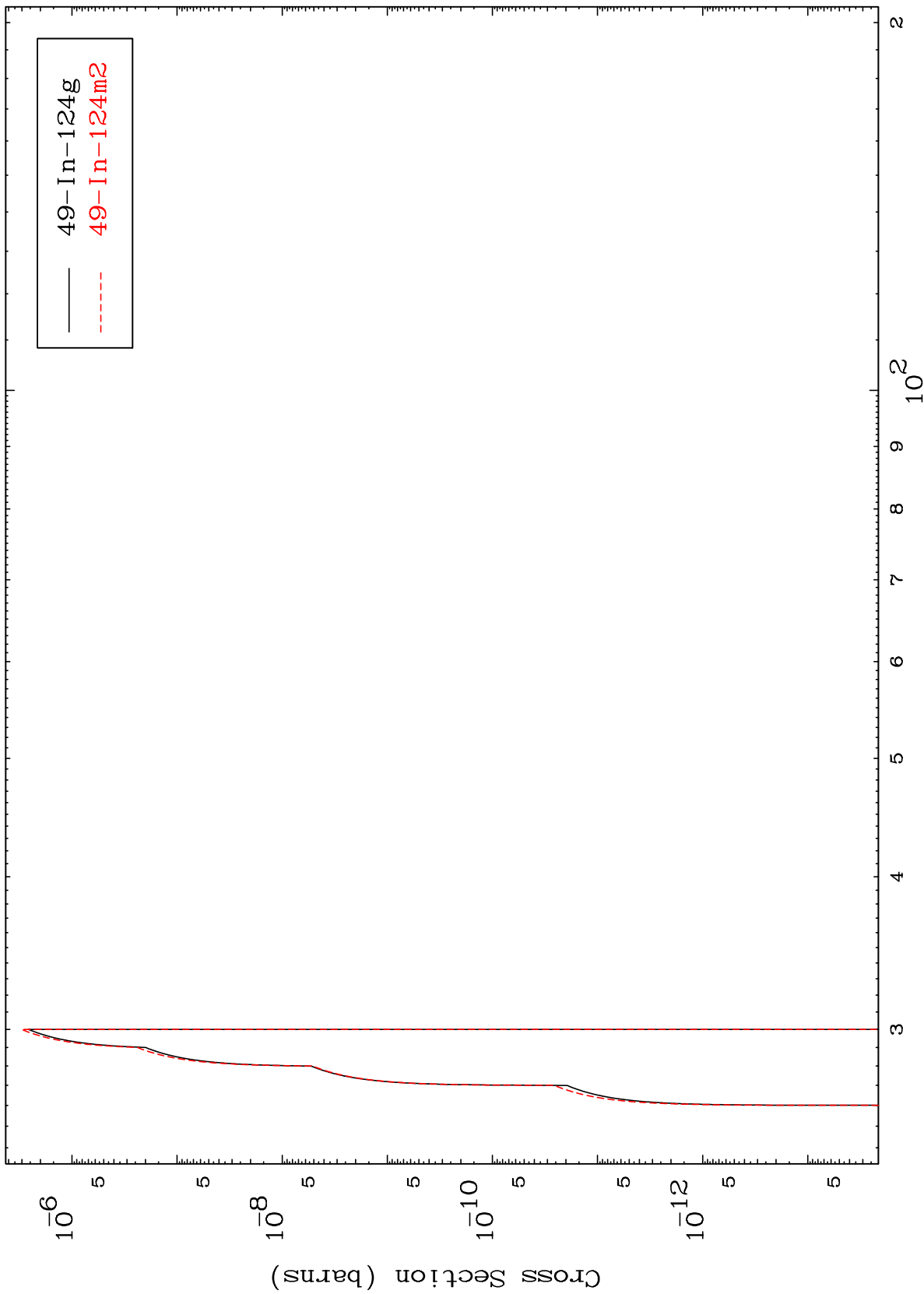


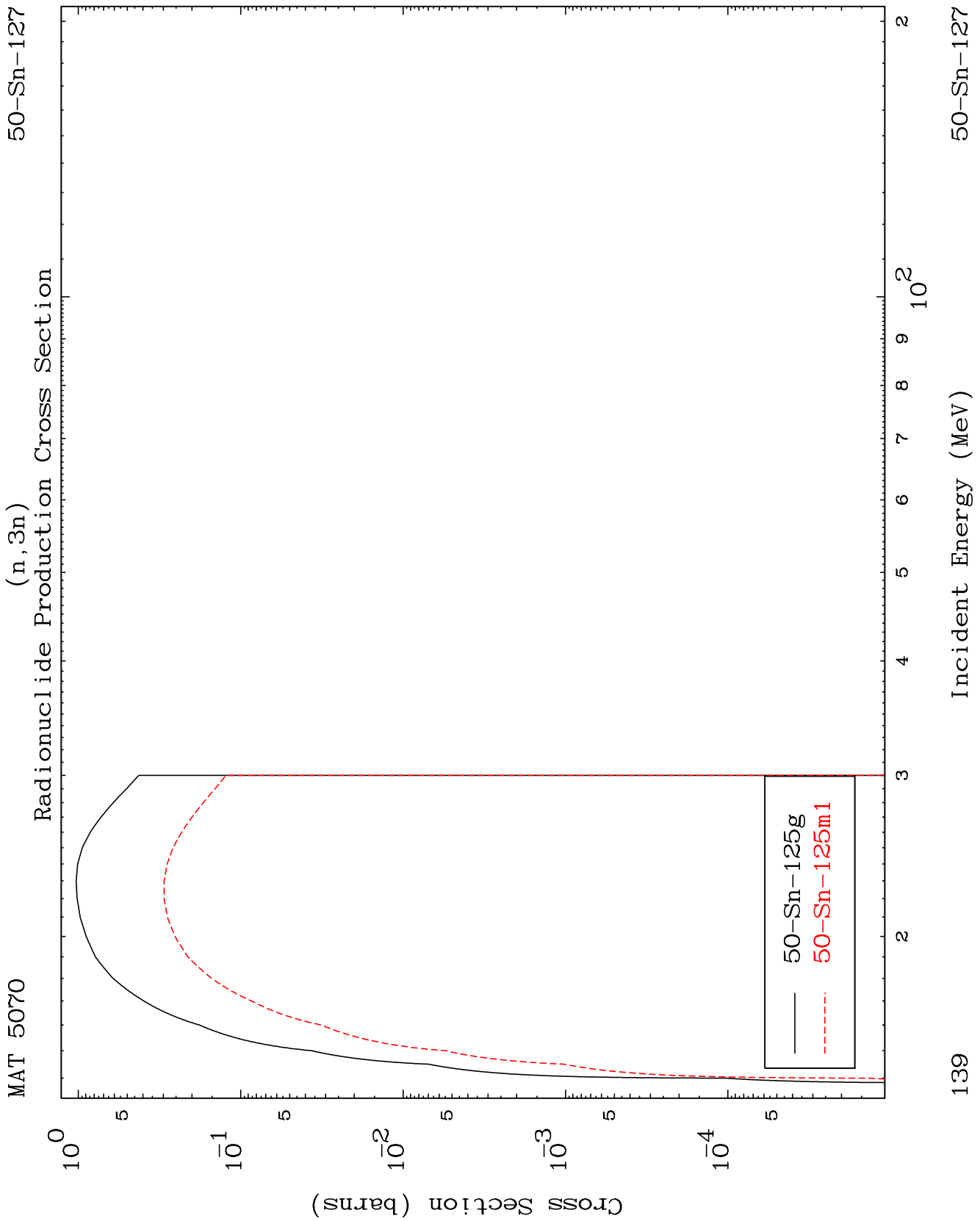
50-Sn-127g
50-Sn-127m1

137

50-Sn-127

(n,2n) d
Radionuclide Production Cross Section



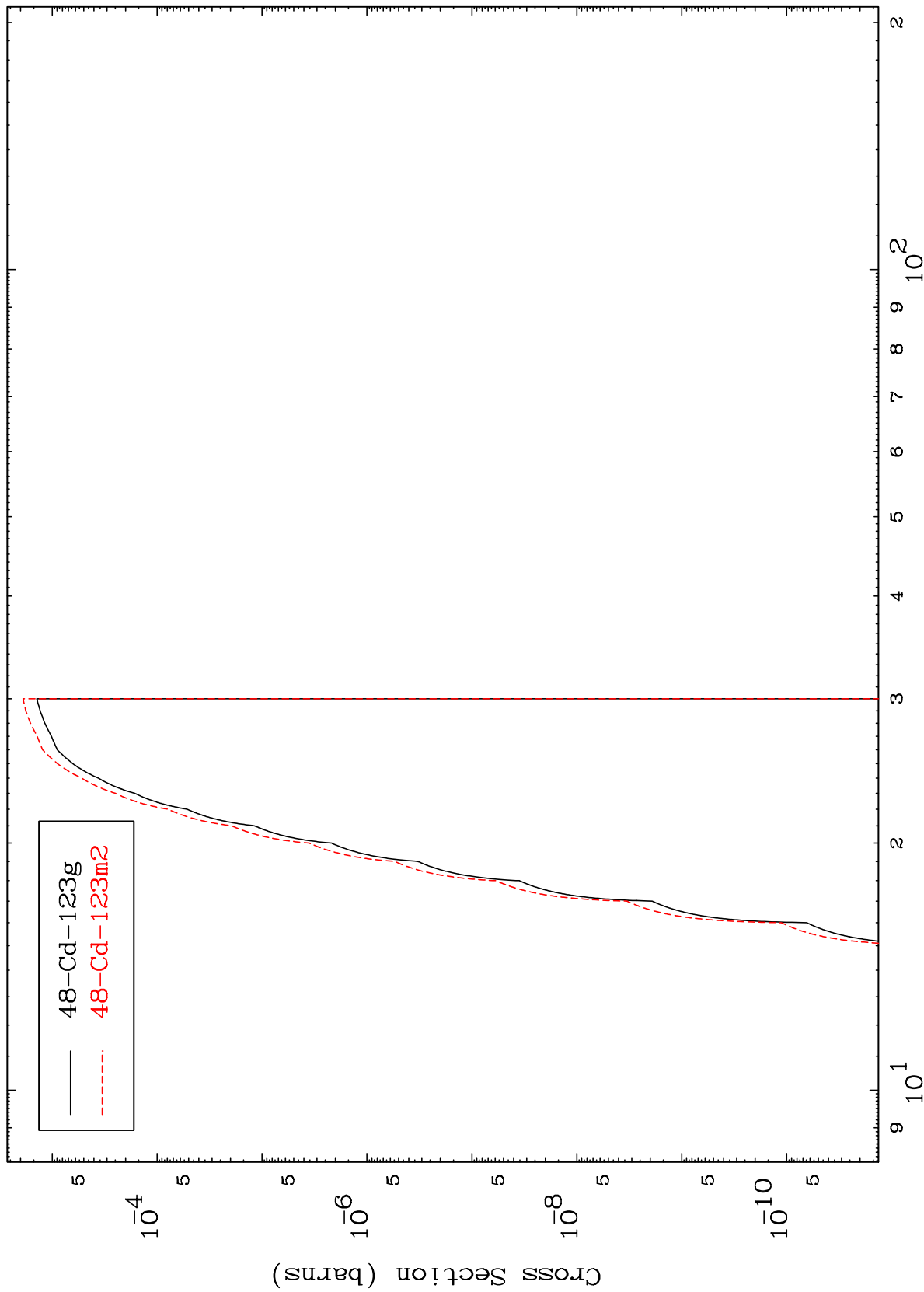


MAT 5070

(n,n') α

50-Sn-127

Radionuclide Production Cross Section



140

Incident Energy (MeV)

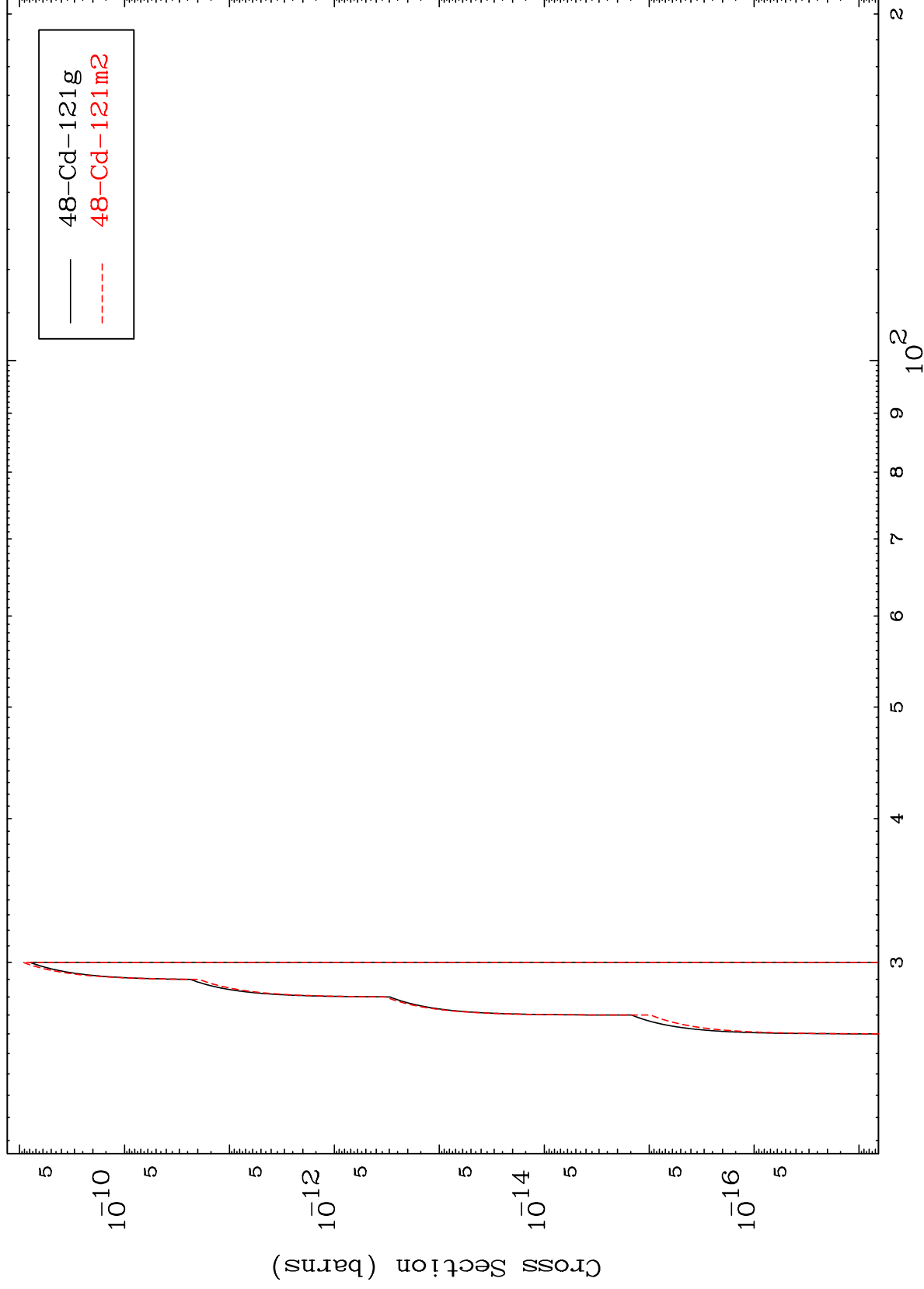
50-Sn-127

MAT 5070

(n,3n) α

50-Sn-127

Radionuclide Production Cross Section

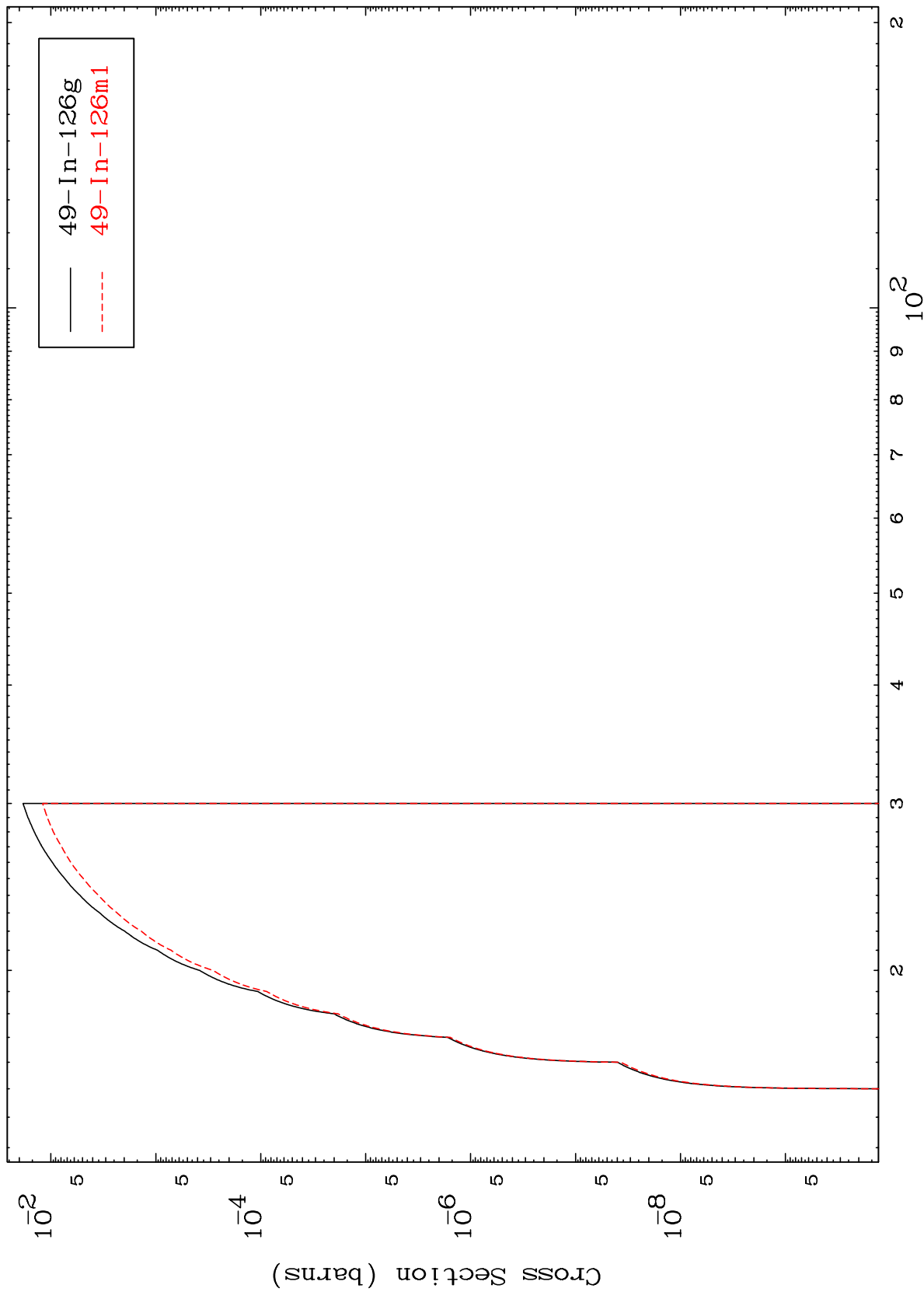


141

Incident Energy (MeV)

50-Sn-127

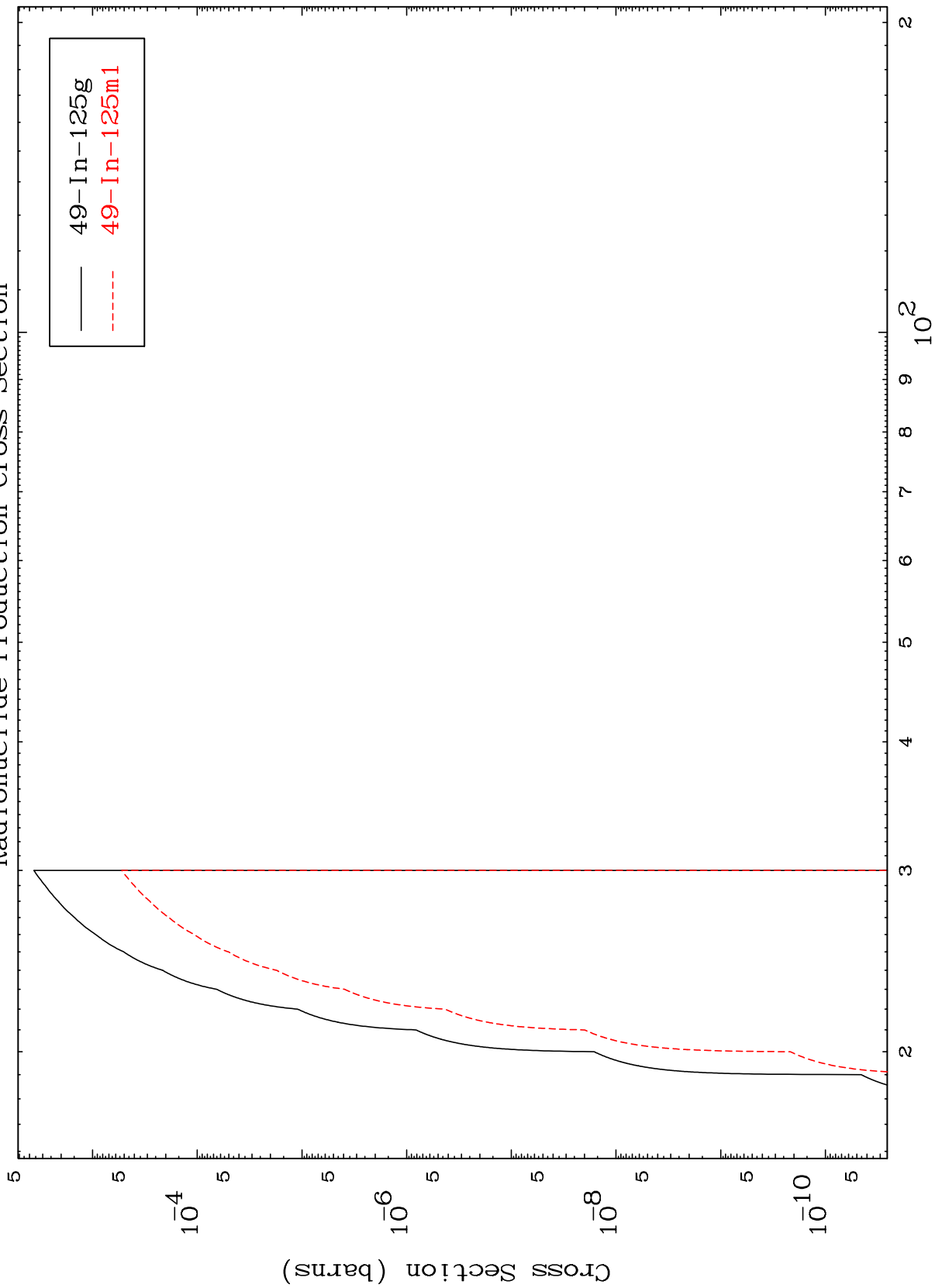
Radionuclide Production Cross Section



MAT 5070

50-Sn-127

(n, n') d
Radionuclide Production Cross Section



143

Incident Energy (MeV)

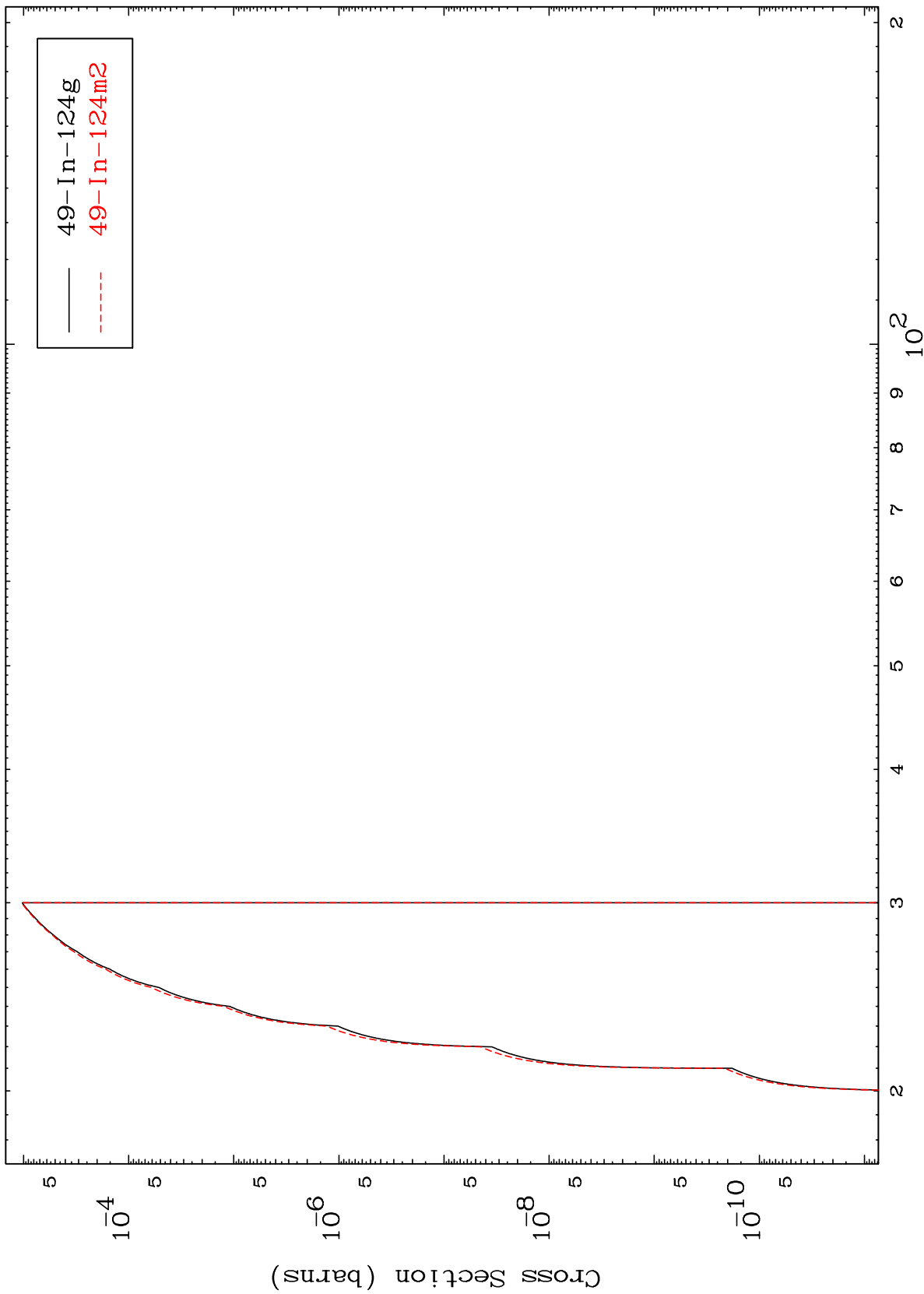
50-Sn-127

MAT 5070

(n,n') t

50-Sn-127

Radionuclide Production Cross Section



144

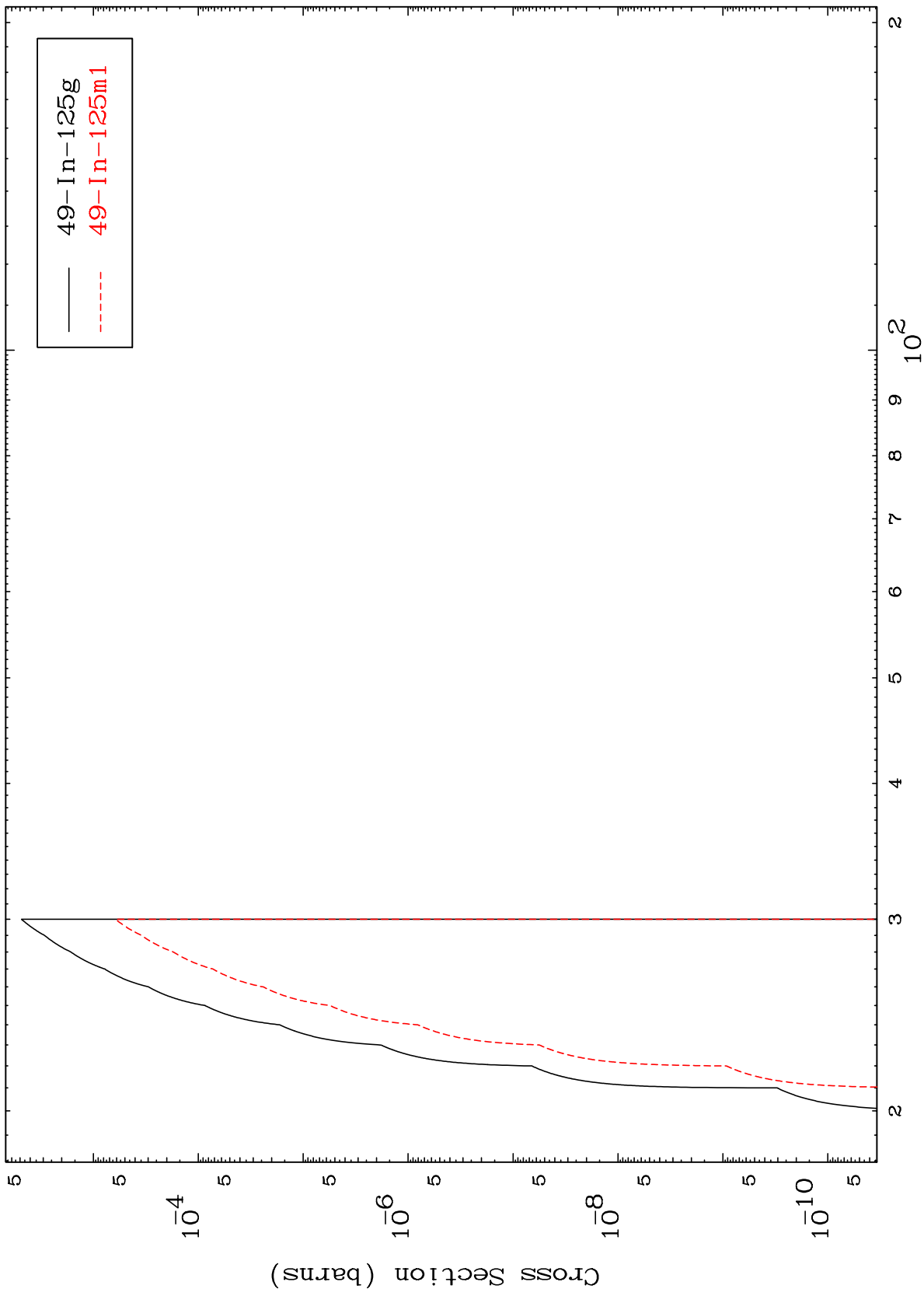
Incident Energy (MeV)

50-Sn-127

MAT 5070

50-Sn-127

(n,2n) p
Radionuclide Production Cross Section

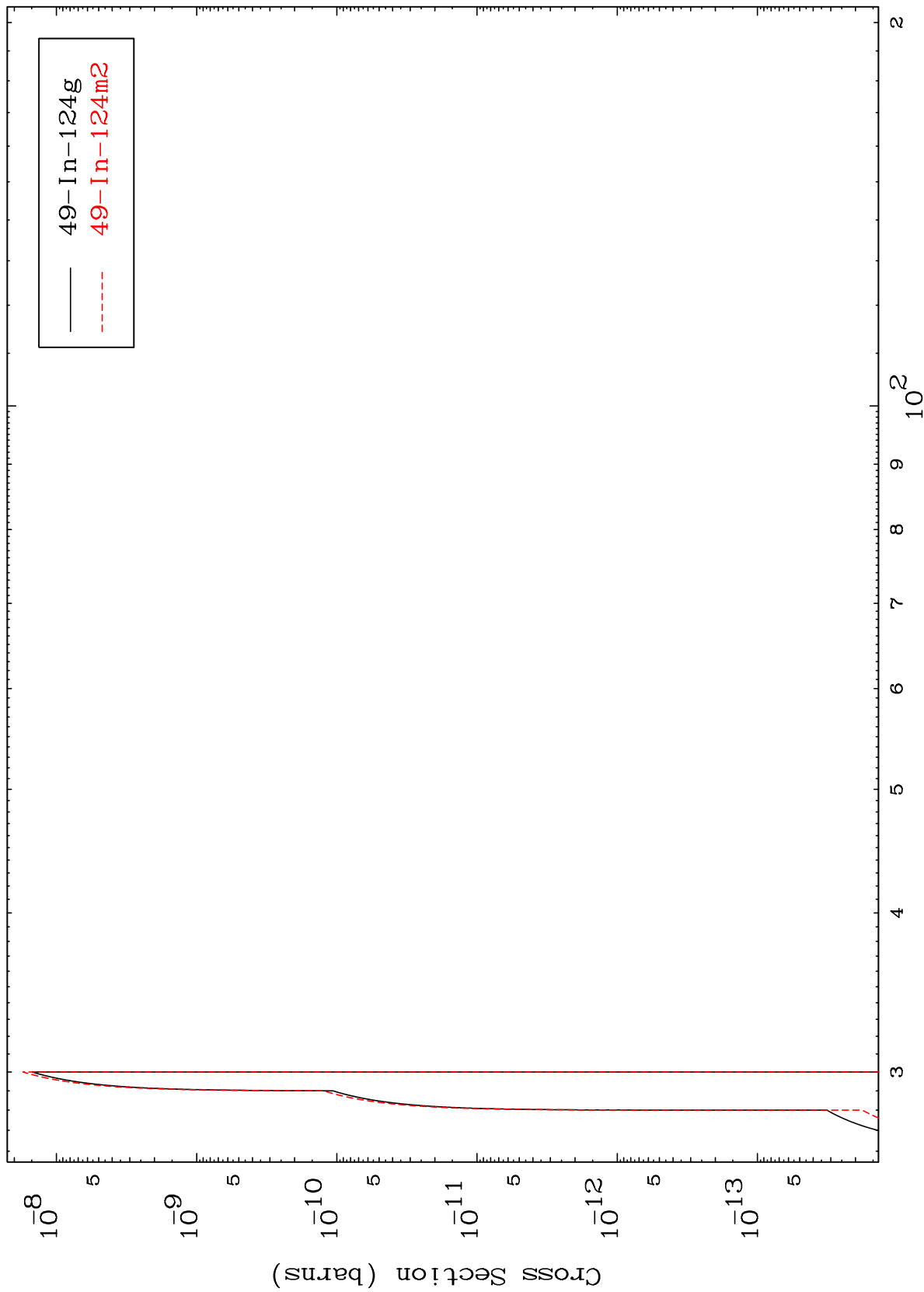


50-Sn-127

Incident Energy (MeV)

145

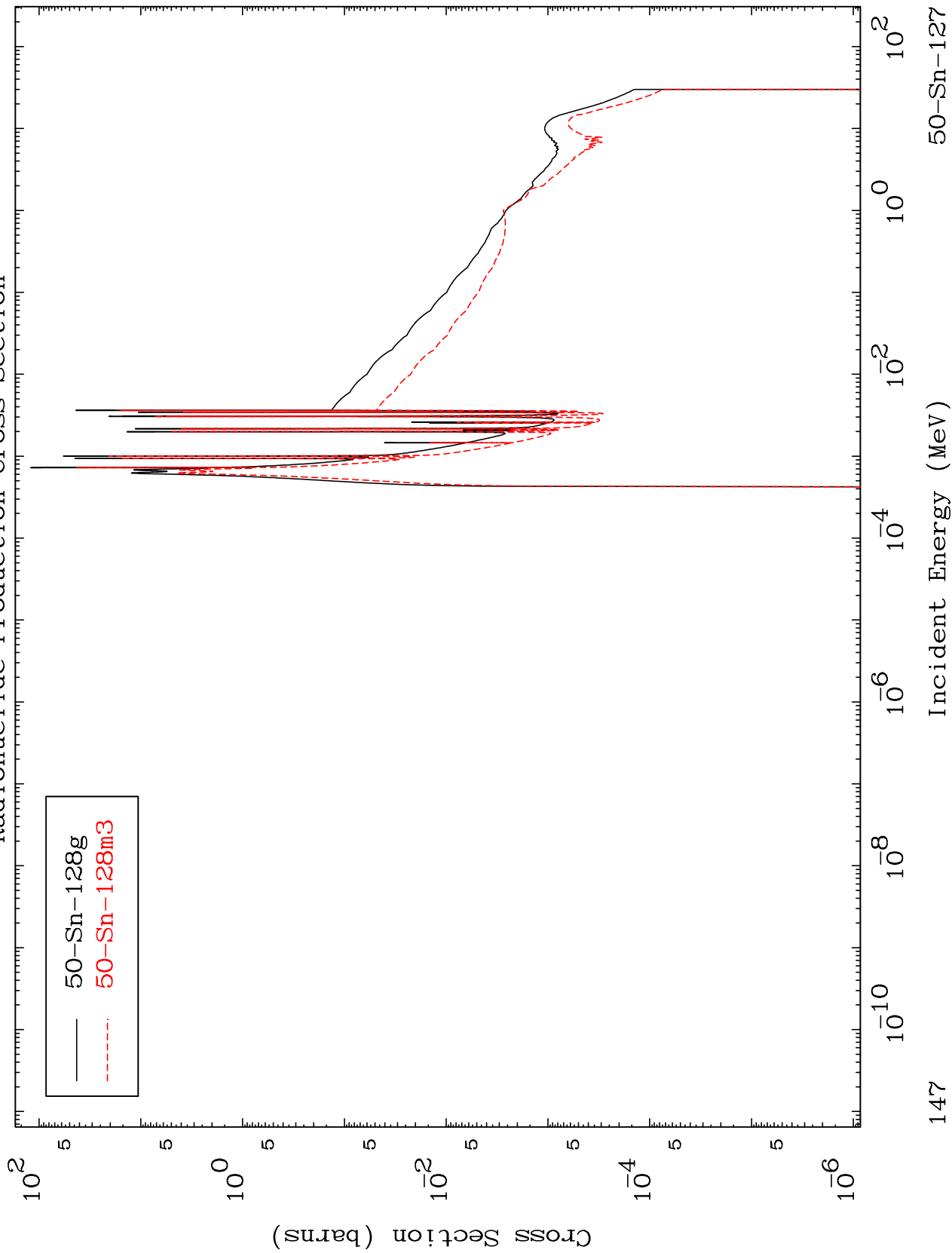
Radionuclide Production Cross Section

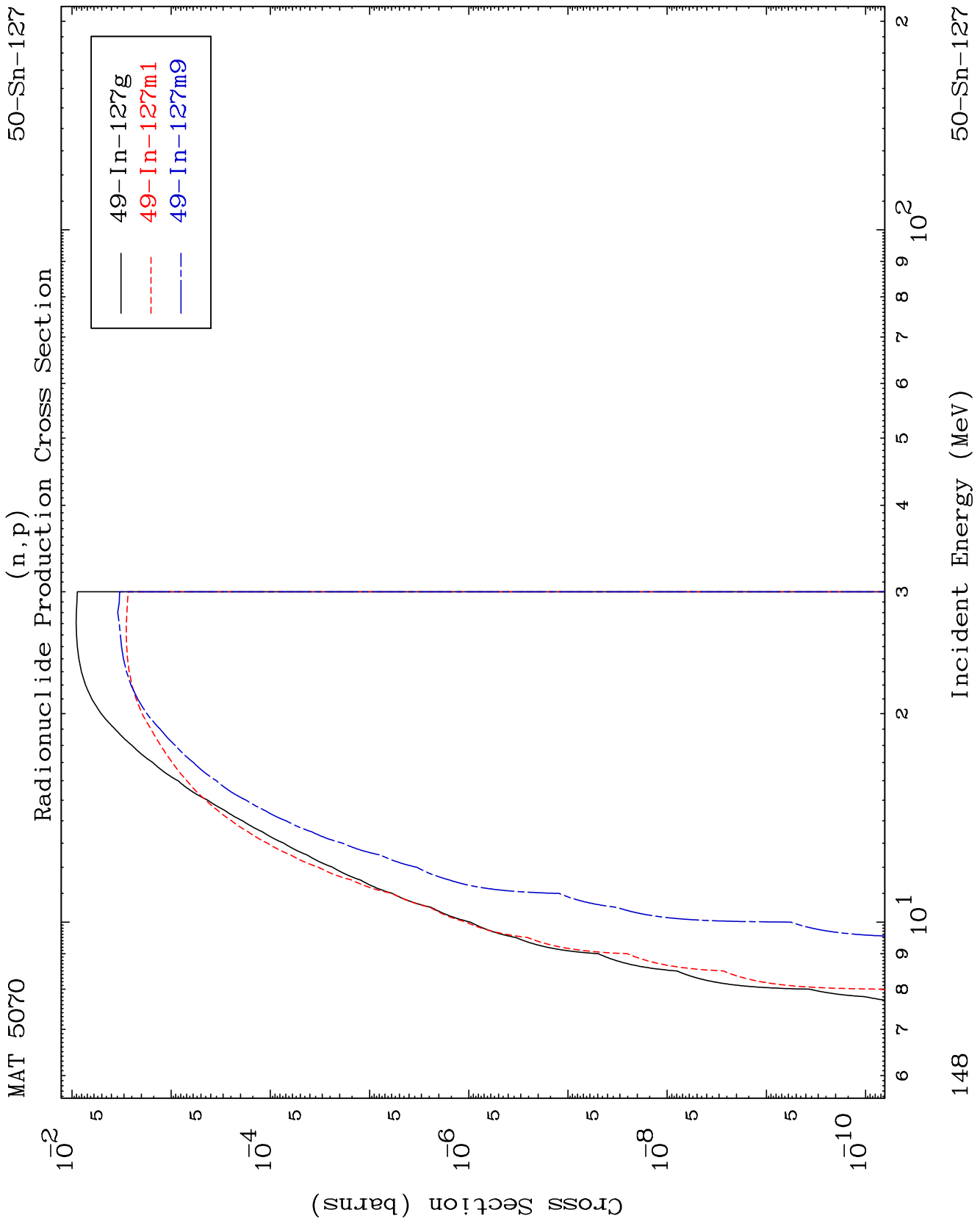


MAT 5070

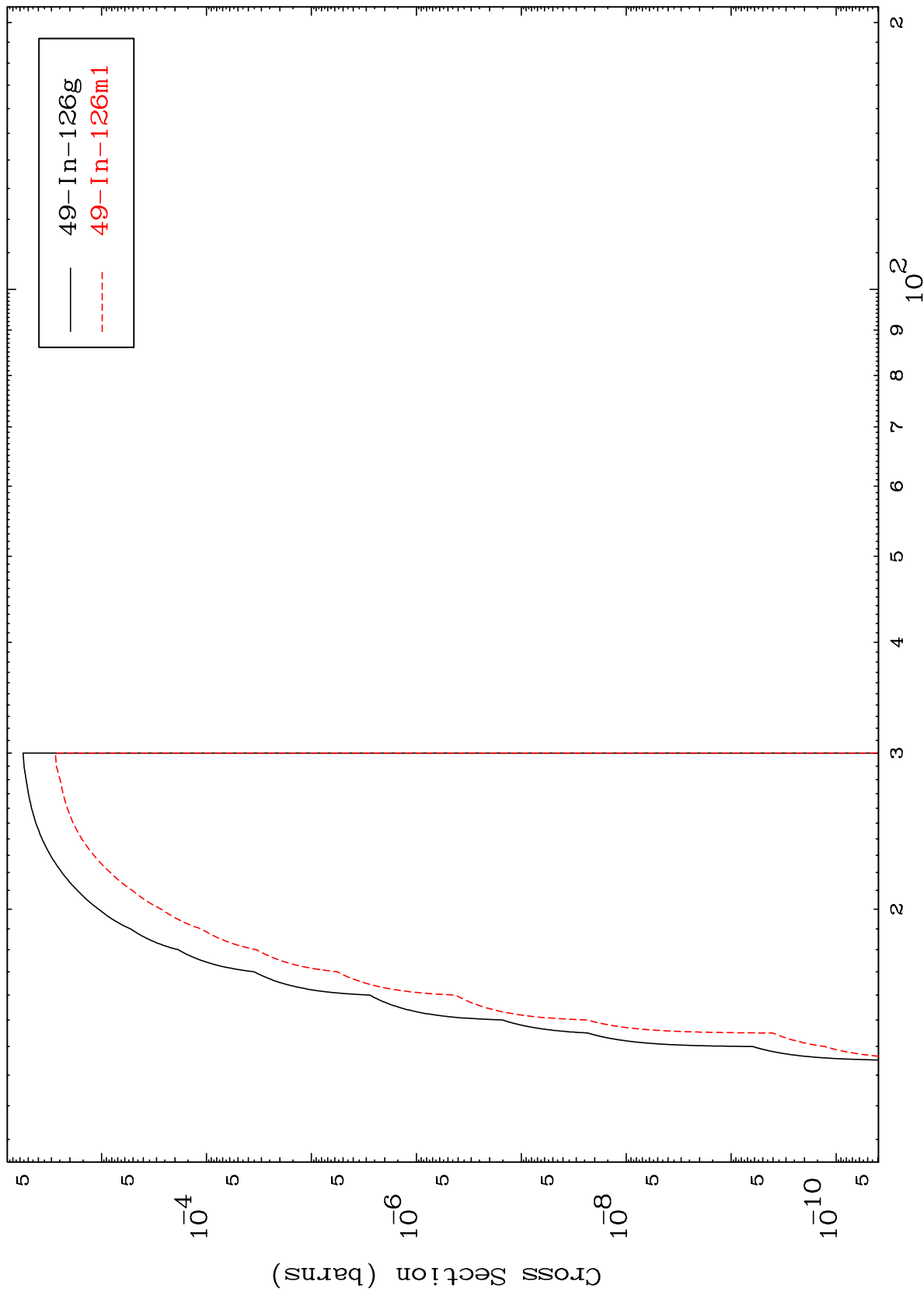
50-Sn-127

Radionuclide Production Cross Section





Radionuclide Production Cross Section

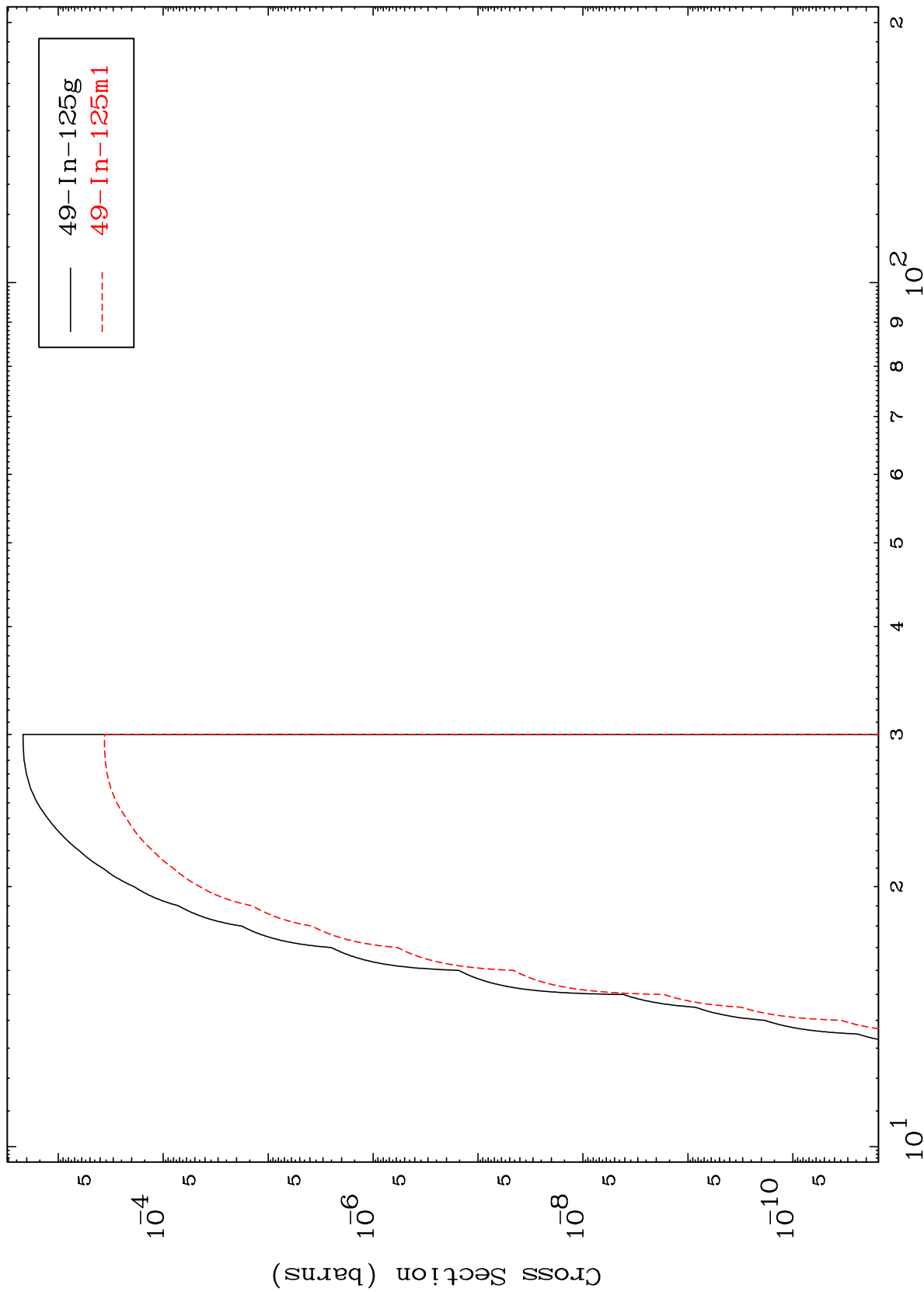


MAT 5070

(n,t)

50-Sn-127

Radionuclide Production Cross Section



Incident Energy (MeV)

50-Sn-127