

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

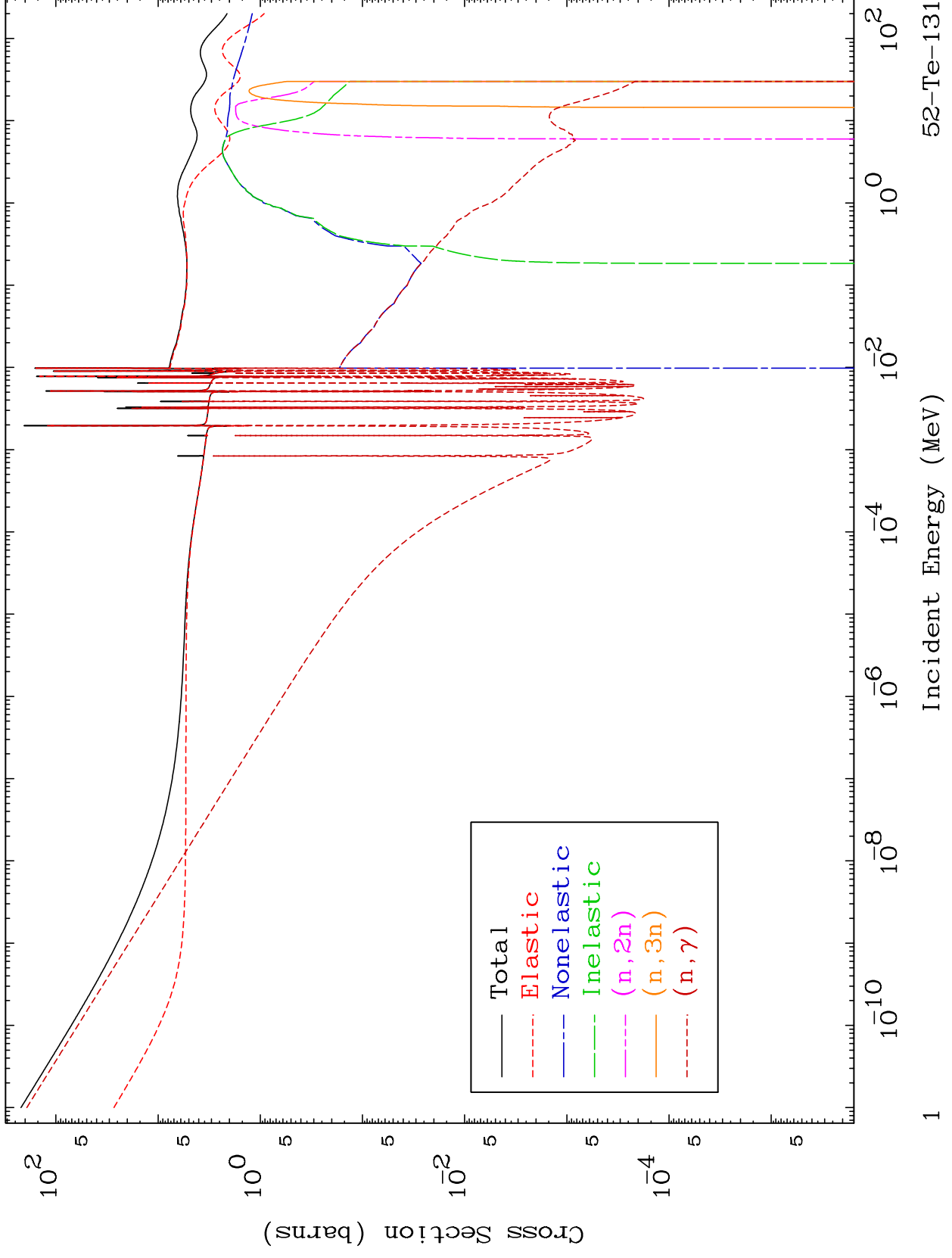
Web: redcullen1.net/HOMEPAGE.NEW

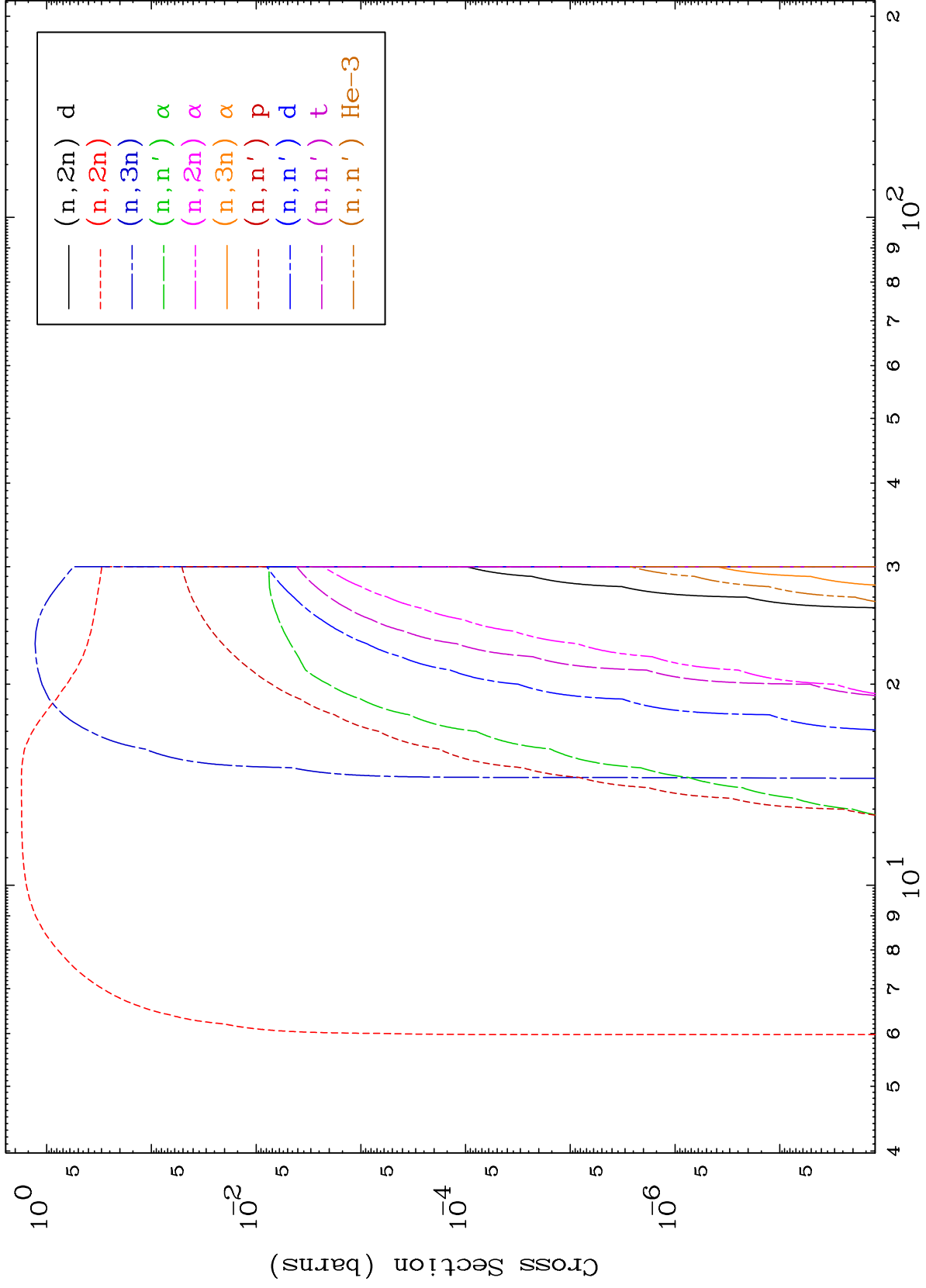
Press Mouse Button to Start

MAT 5258

Neutron Major
293 Kelvin Cross Sections

52-Te-131

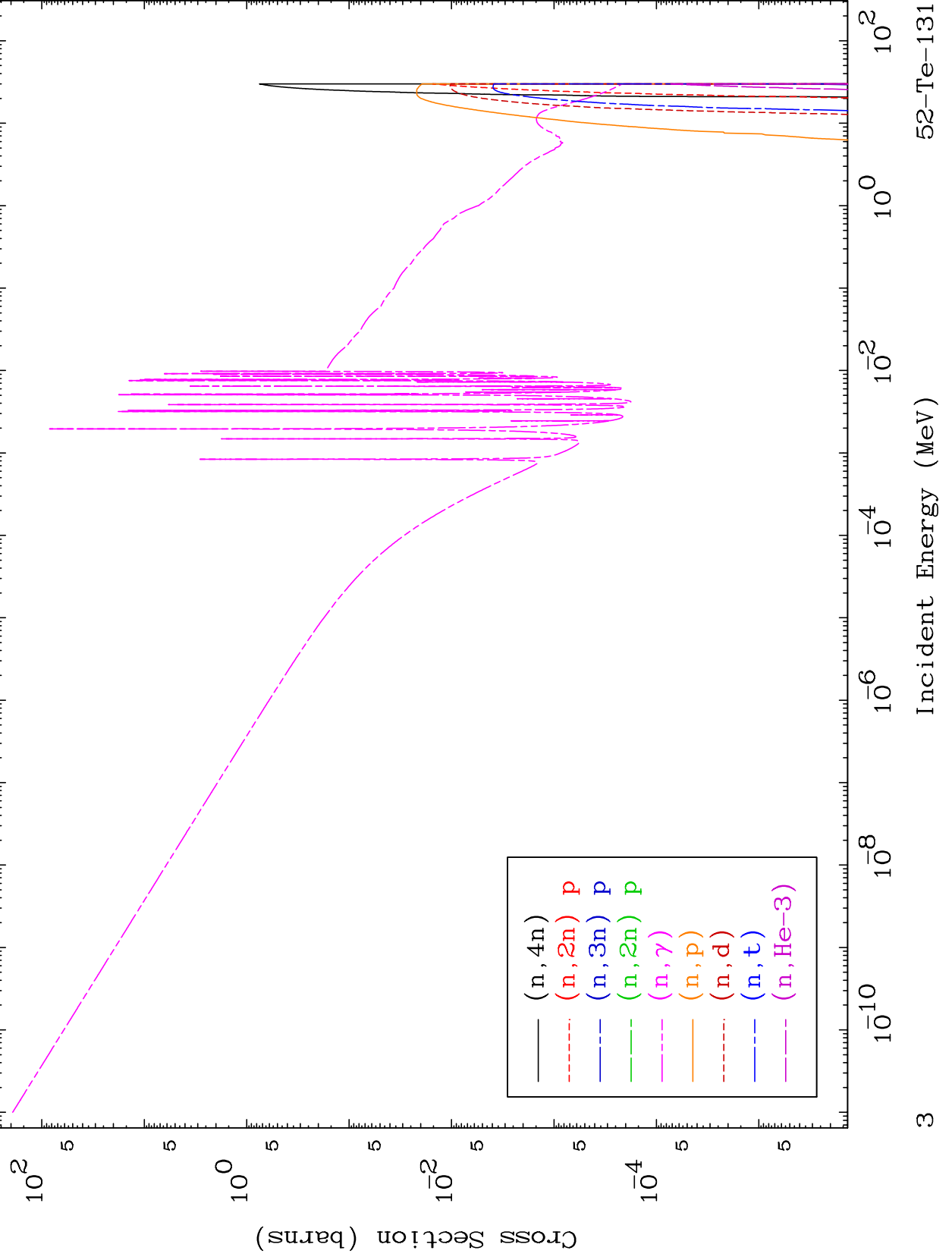


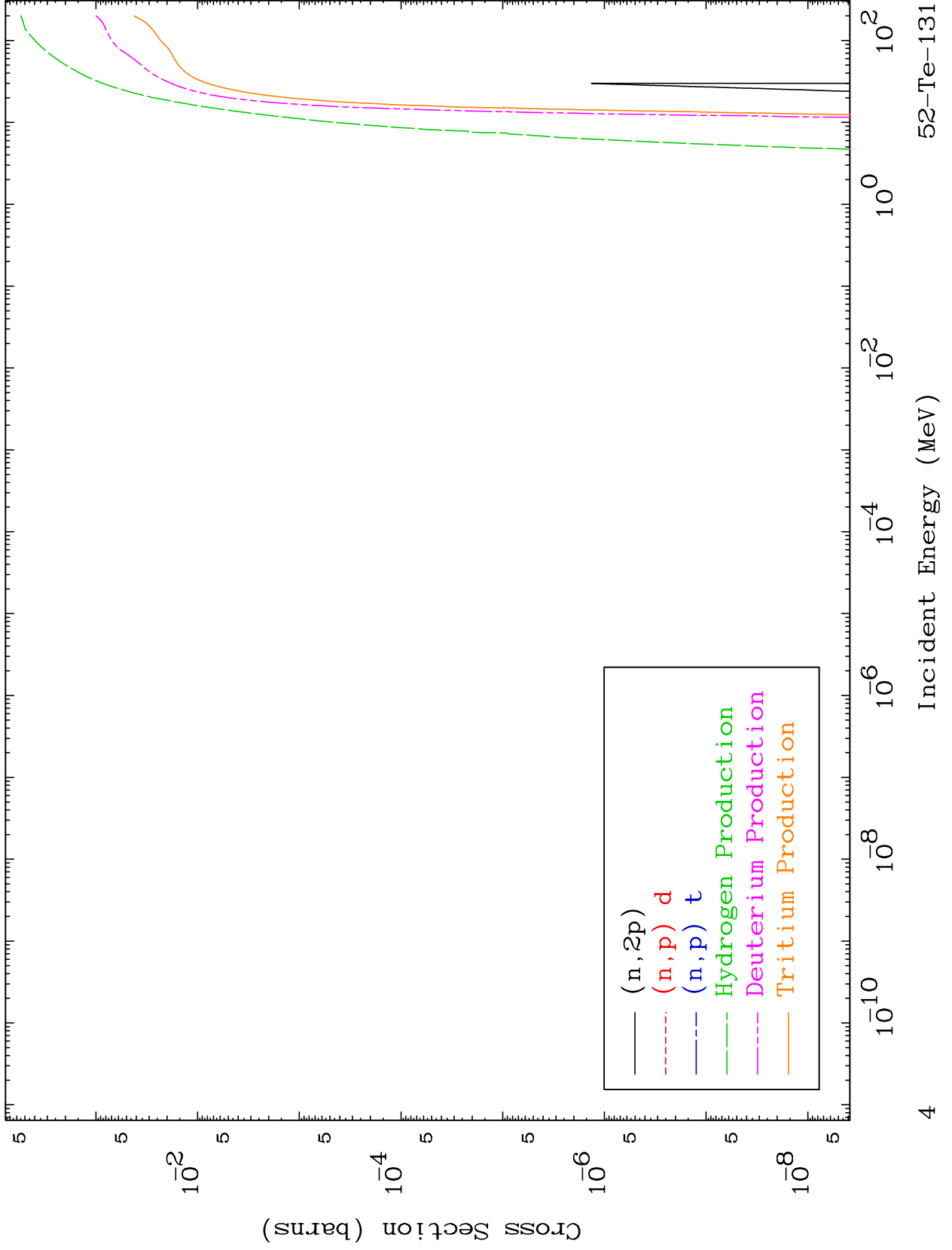


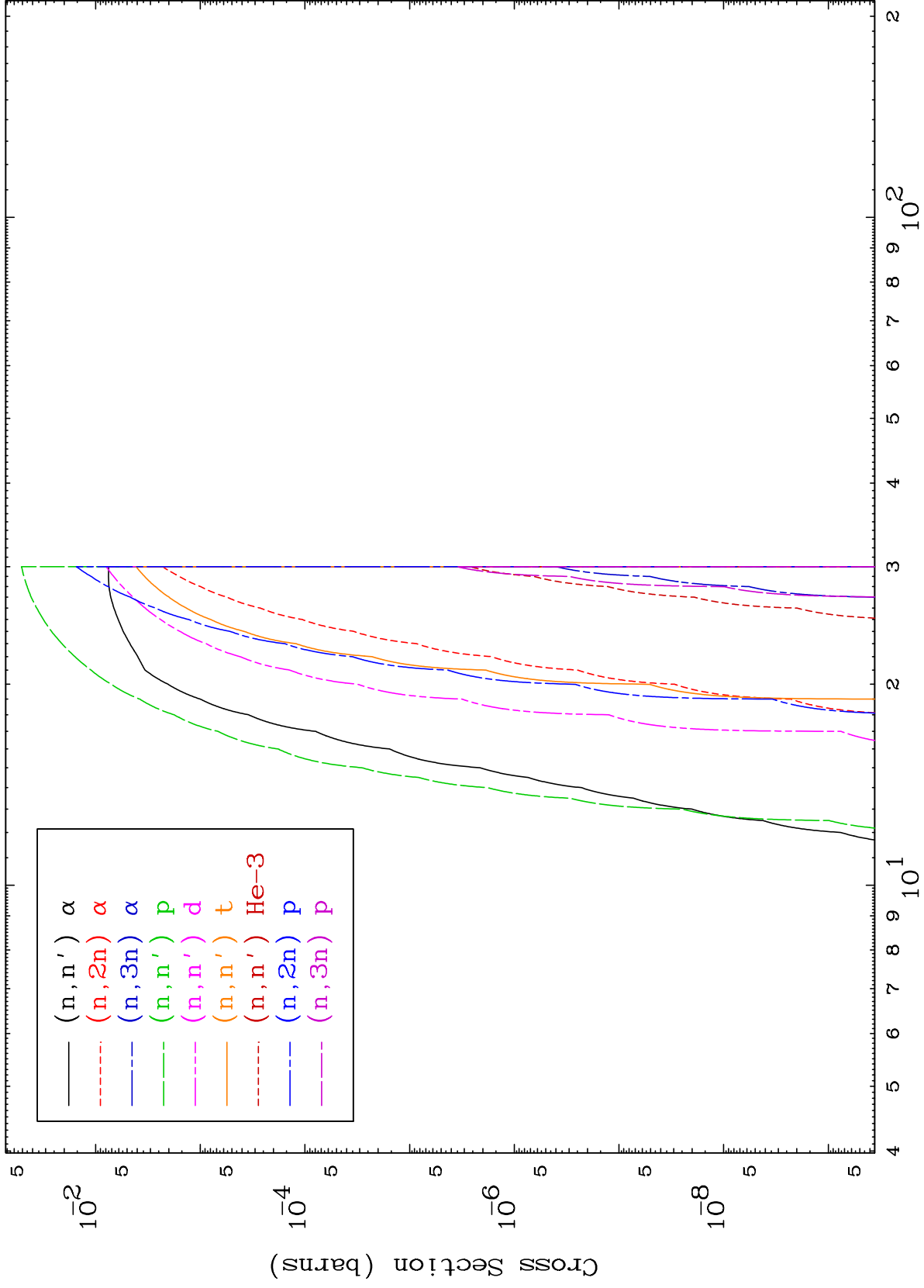
MAT 5258

Neutron Absorption
293 Kelvin Cross Sections

52-Te-131



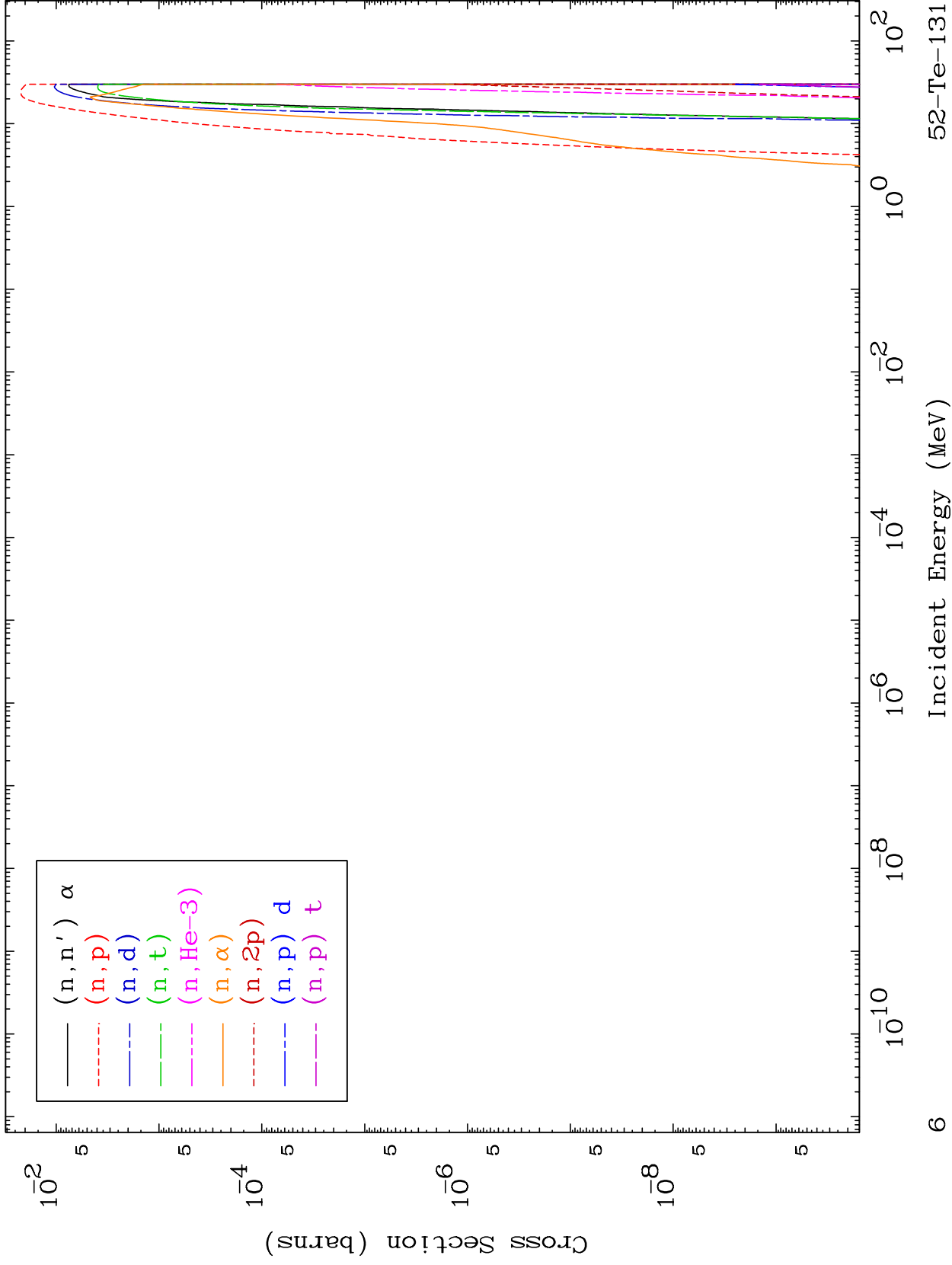




MAT 5258

Charged Particle
293 Kelvin Cross Sections

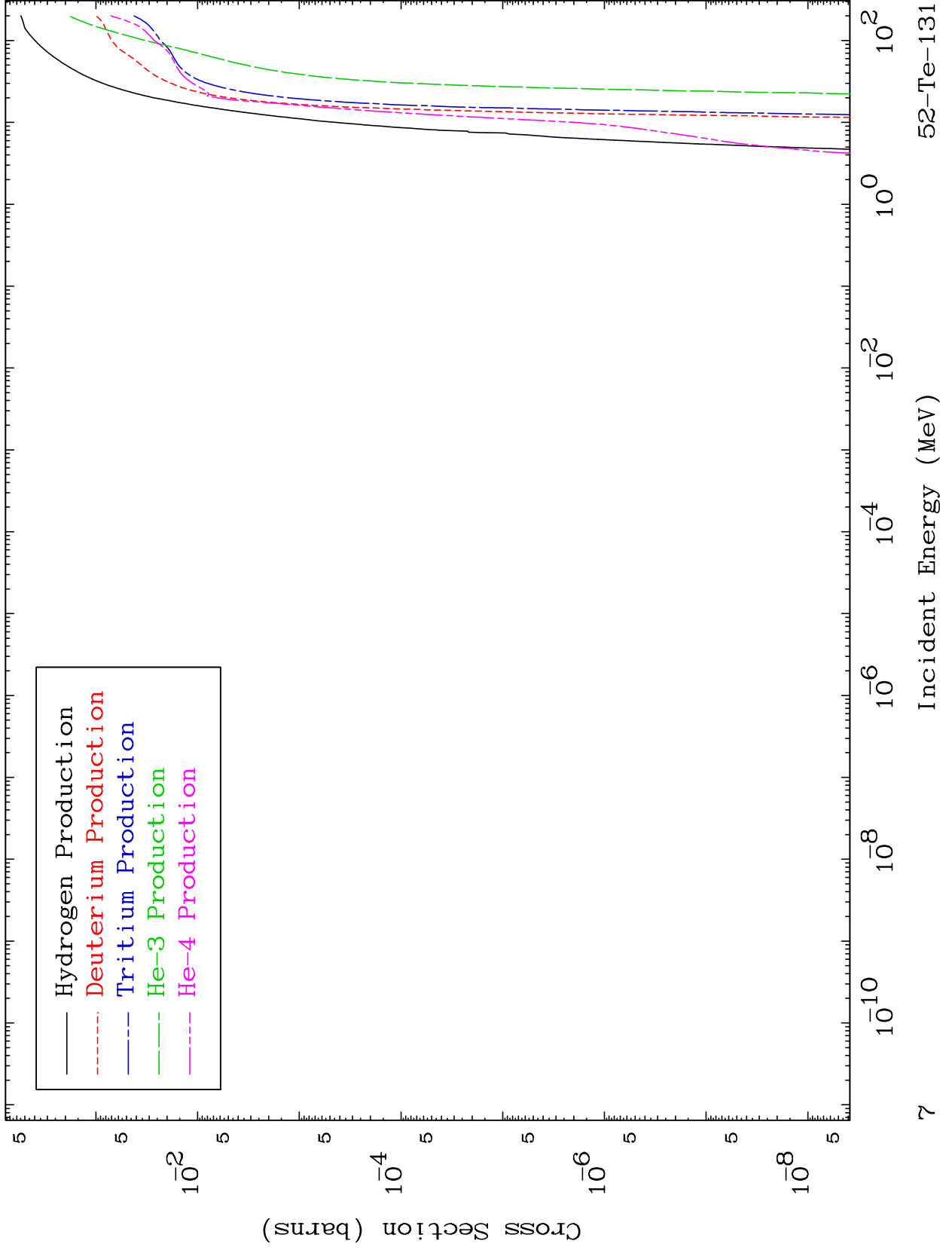
52-Te-131

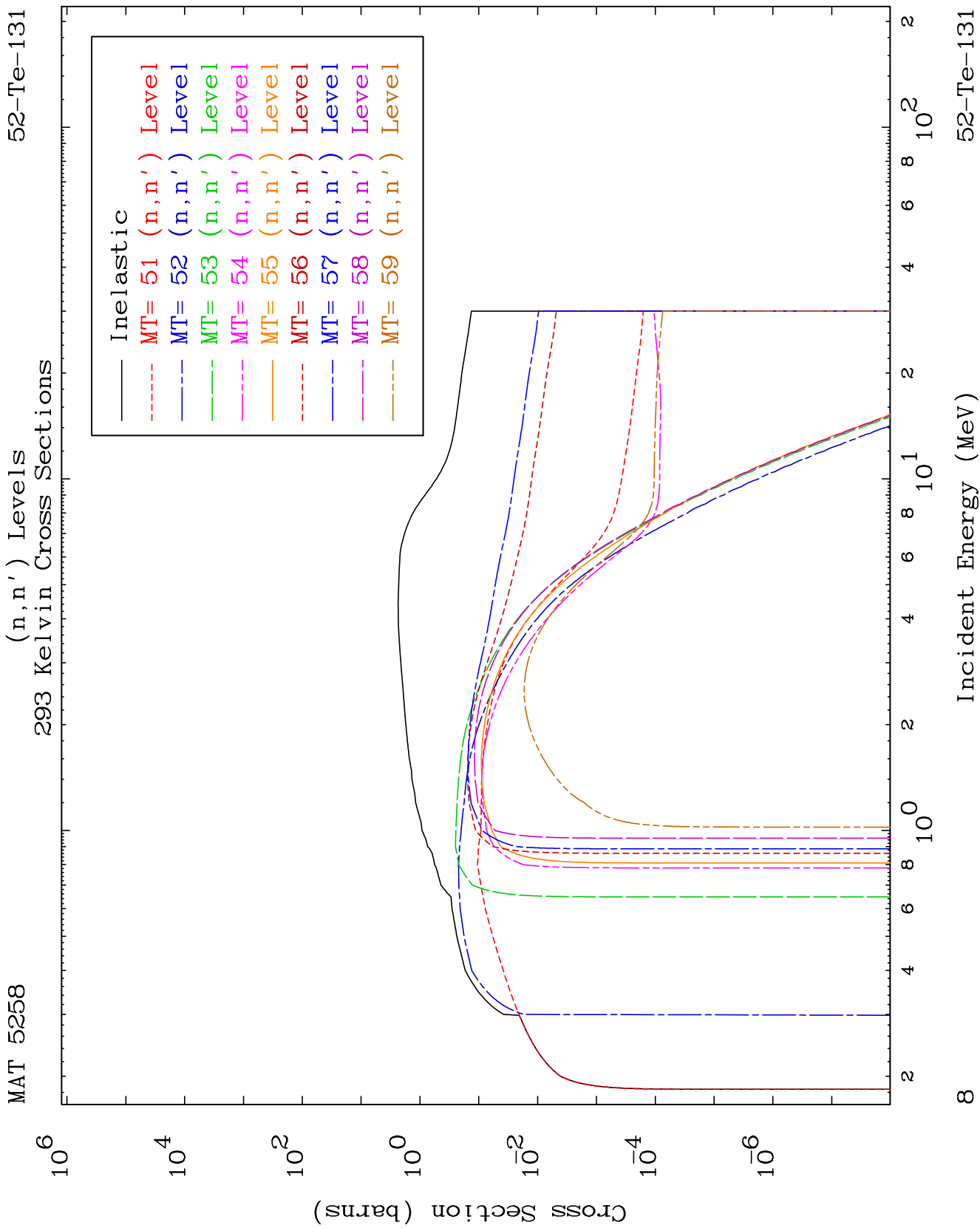


MAT 5258

Particle Production
293 Kelvin Cross Sections

52-Te-131



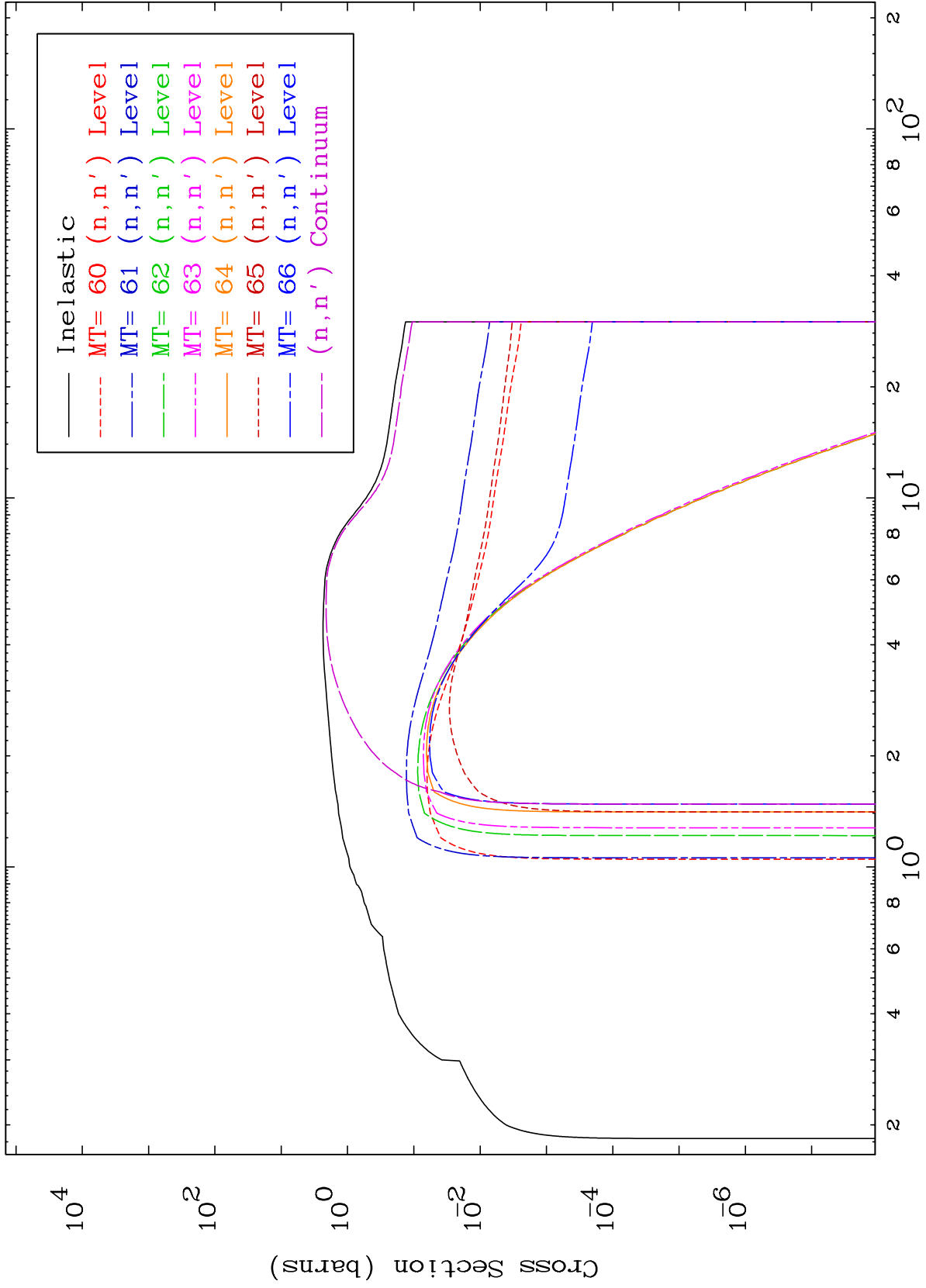


MAT 5258

(n,n') Levels

293 Kelvin Cross Sections

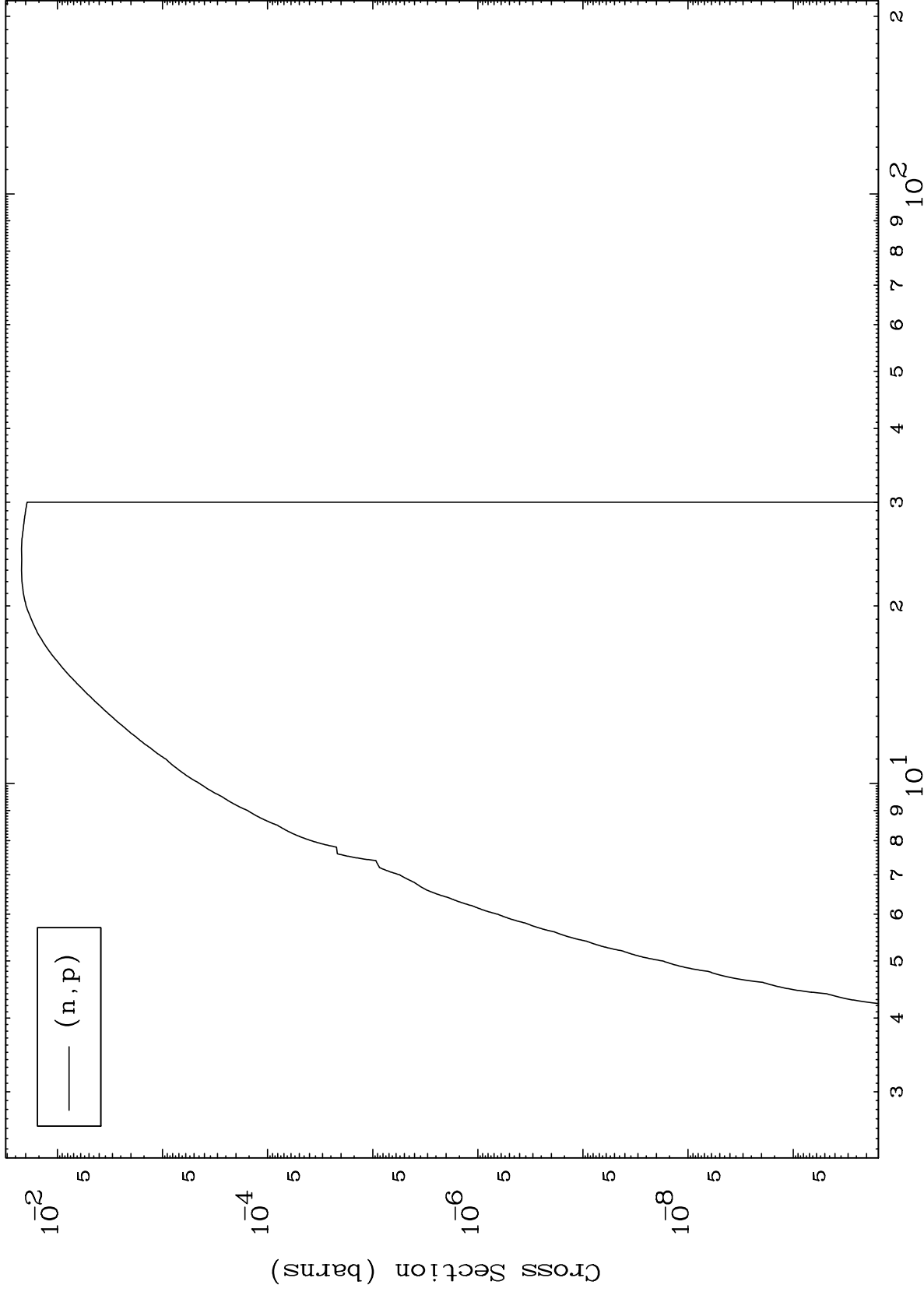
52-Te-131



MAT 5258

(n,p) Levels
293 Kelvin Cross Sections

52-Te-131



10

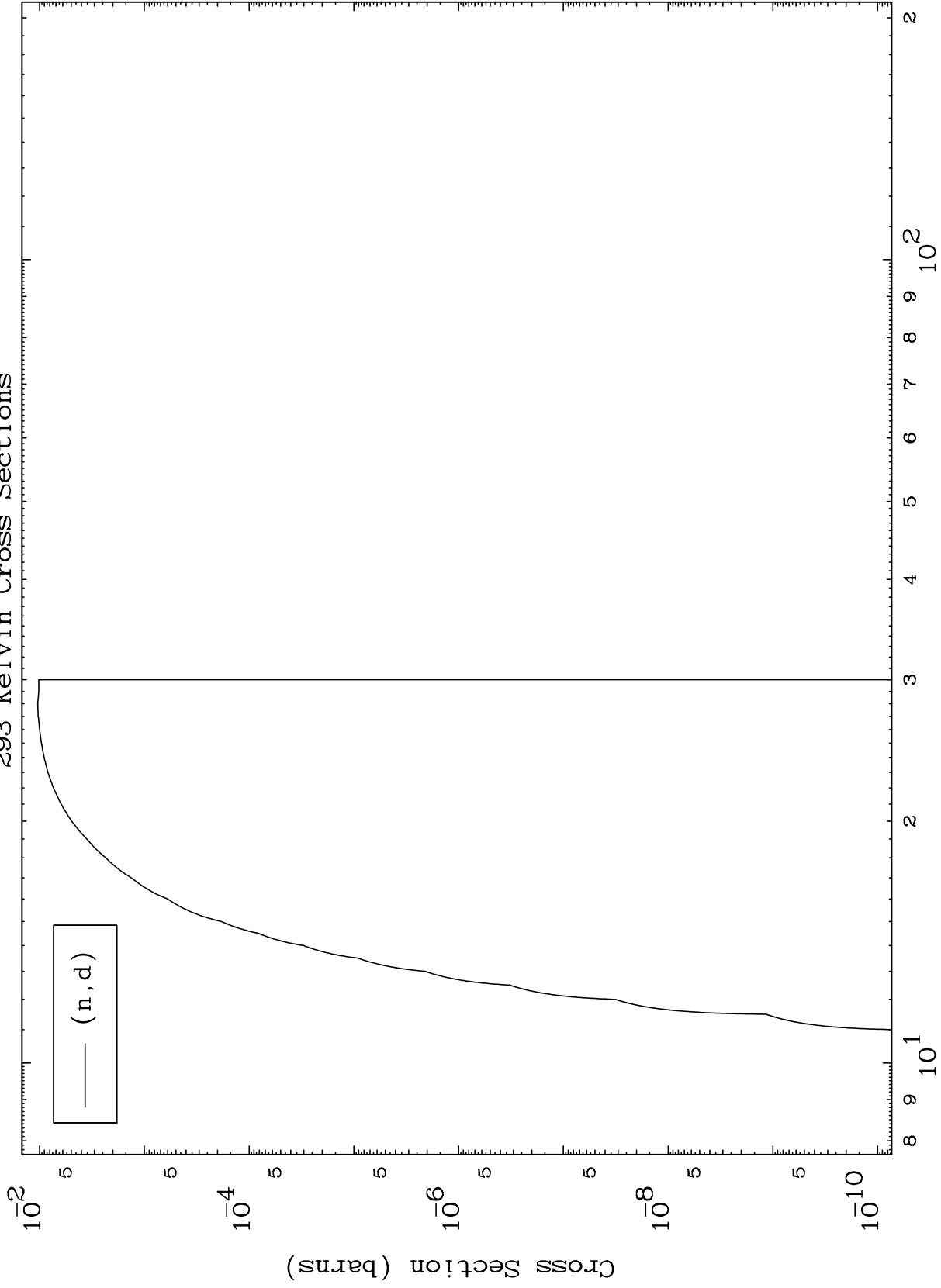
Incident Energy (MeV)

52-Te-131

MAT 5258

(n,d) Levels
293 Kelvin Cross Sections

52-Te-131



11

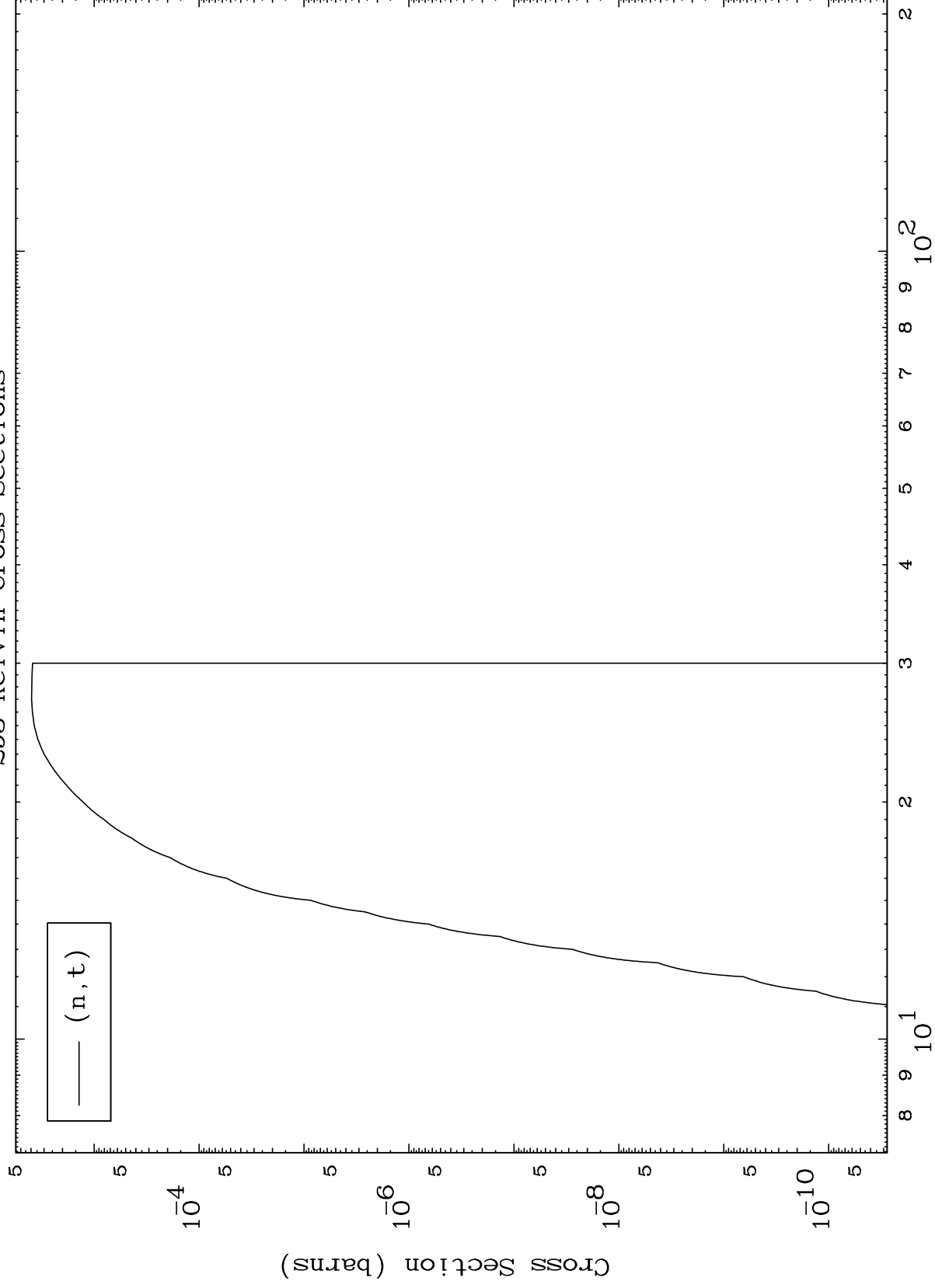
Incident Energy (MeV)

52-Te-131

MAT 5258

(n,t) Levels
293 Kelvin Cross Sections

52-Te-131



Incident Energy (MeV)

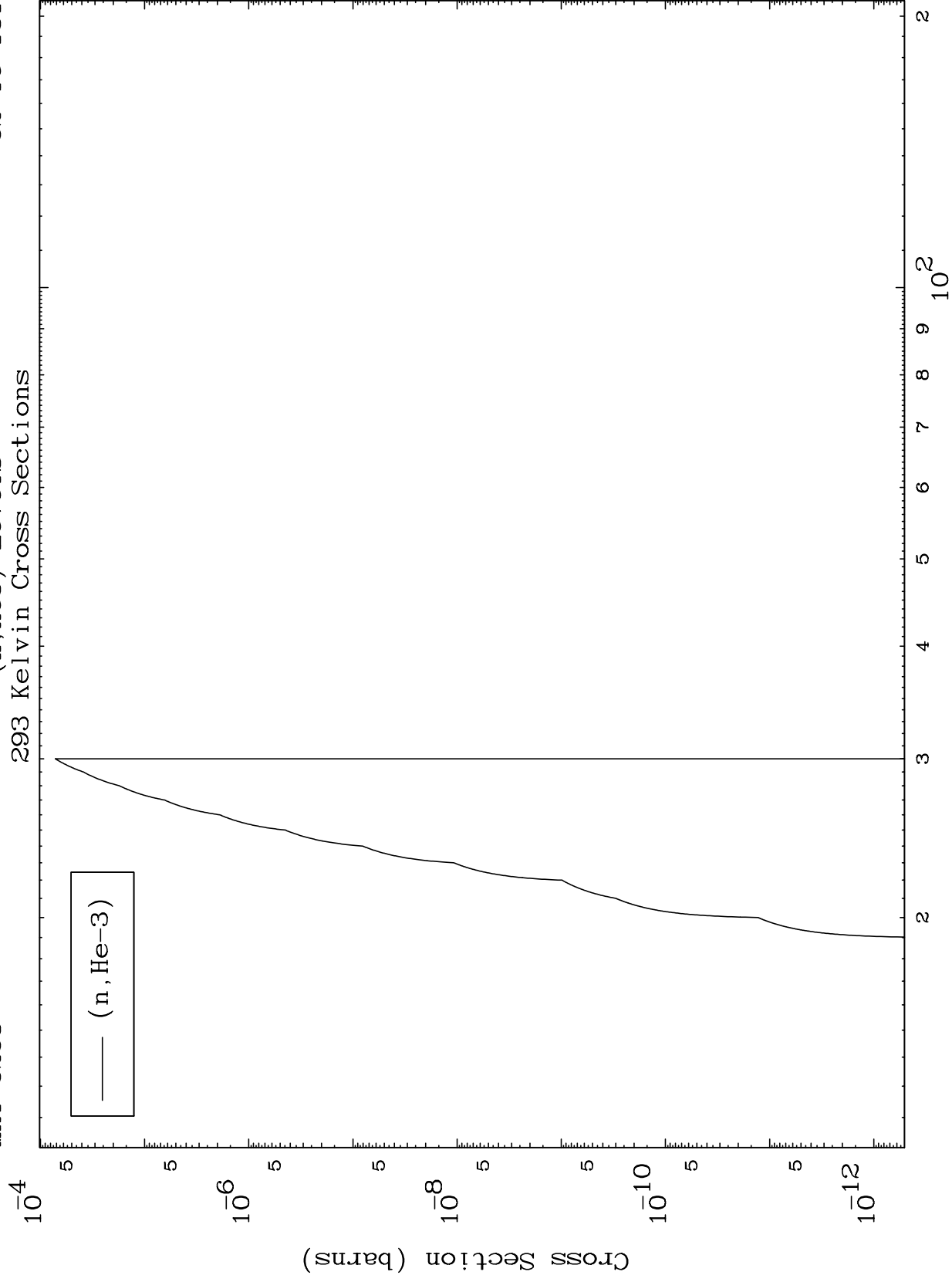
52-Te-131

12

MAT 5258

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-131



13

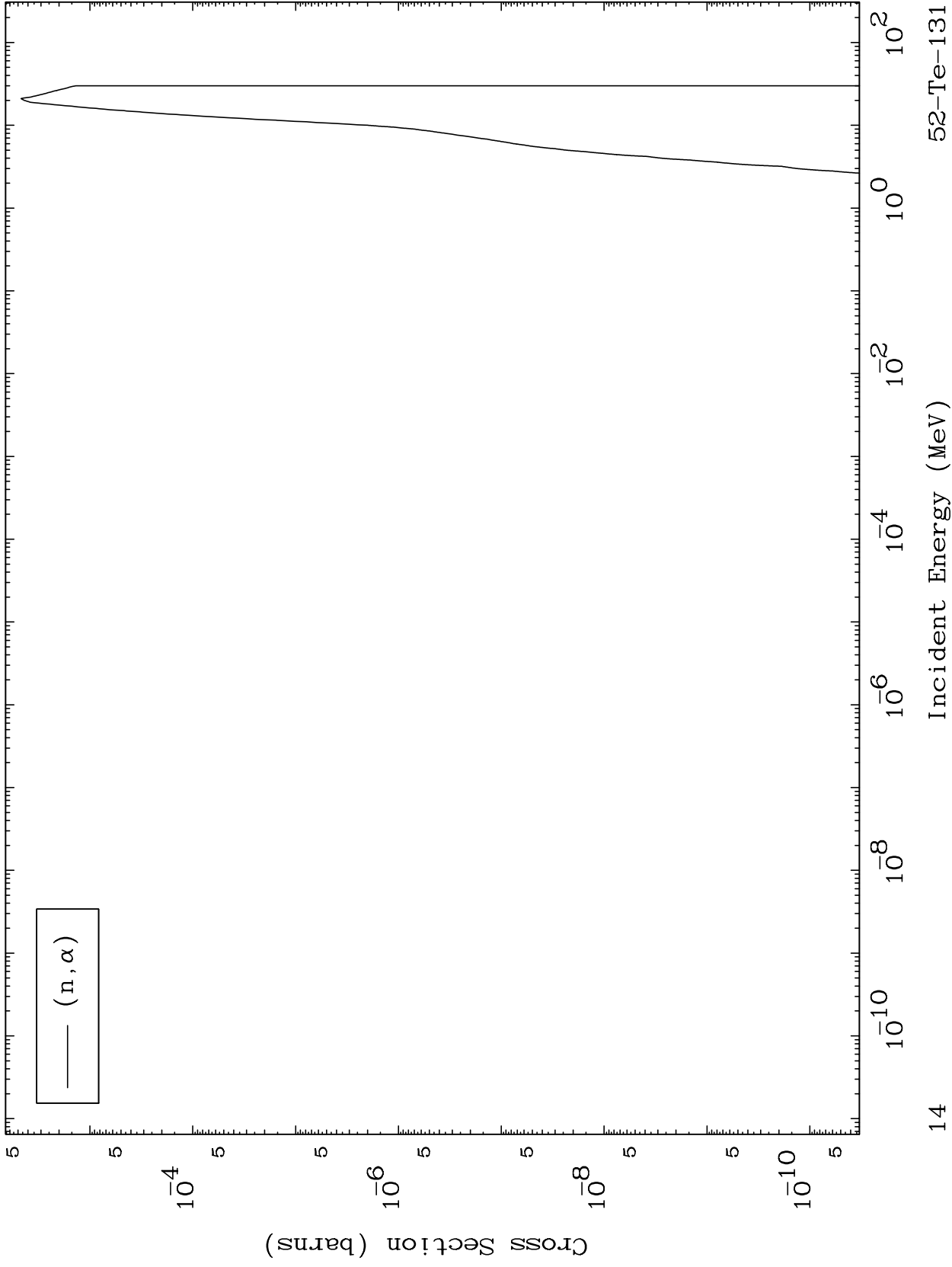
Incident Energy (MeV)

52-Te-131

MAT 5258

(n, α) Levels
293 Kelvin Cross Sections

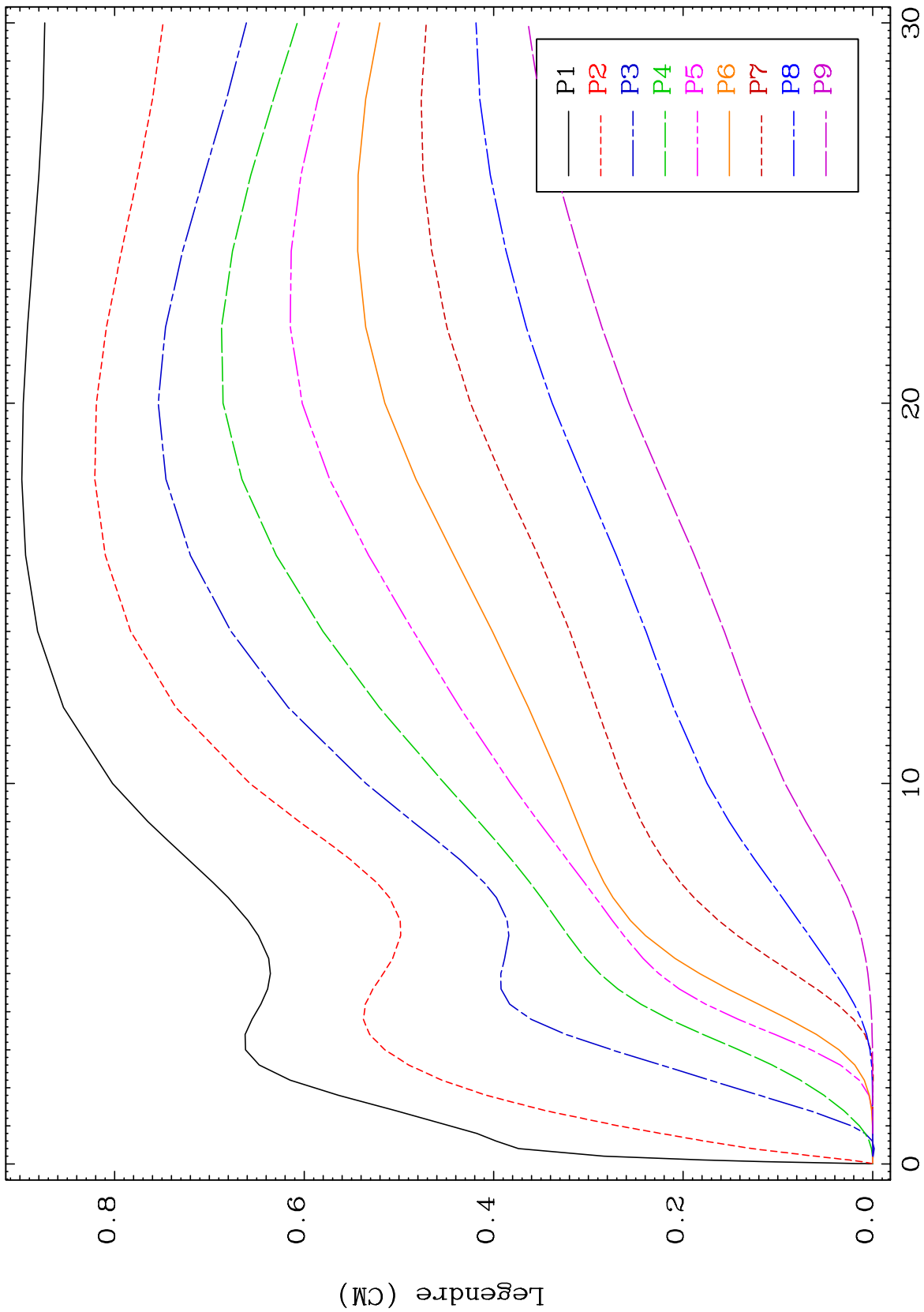
52-Te-131



MAT 5258

Elastic Legendre Coefficients

⁵²Te-131



15

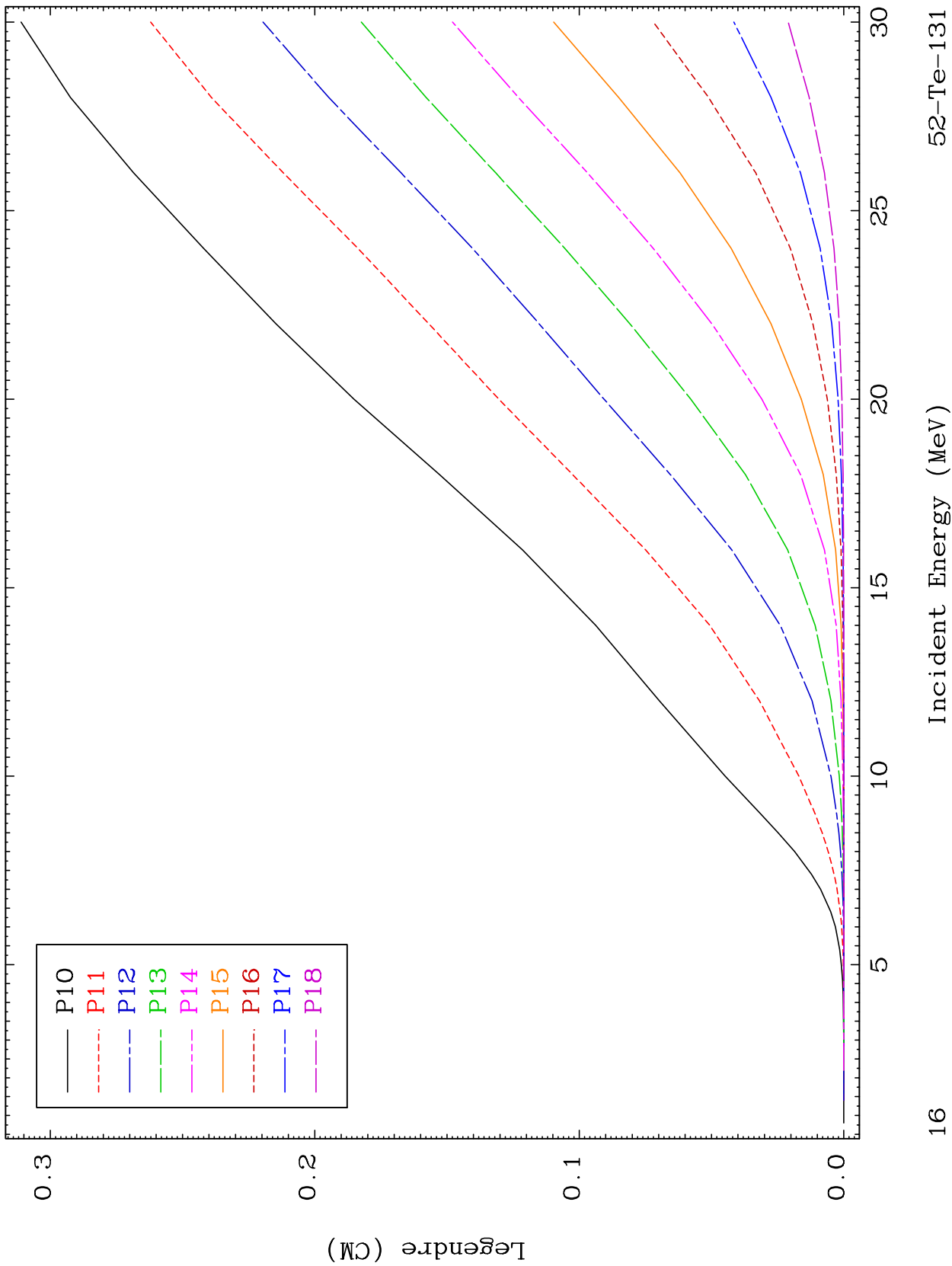
Incident Energy (MeV)

⁵²Te-131

MAT 5258

Elastic Legendre Coefficients

52-Te-131

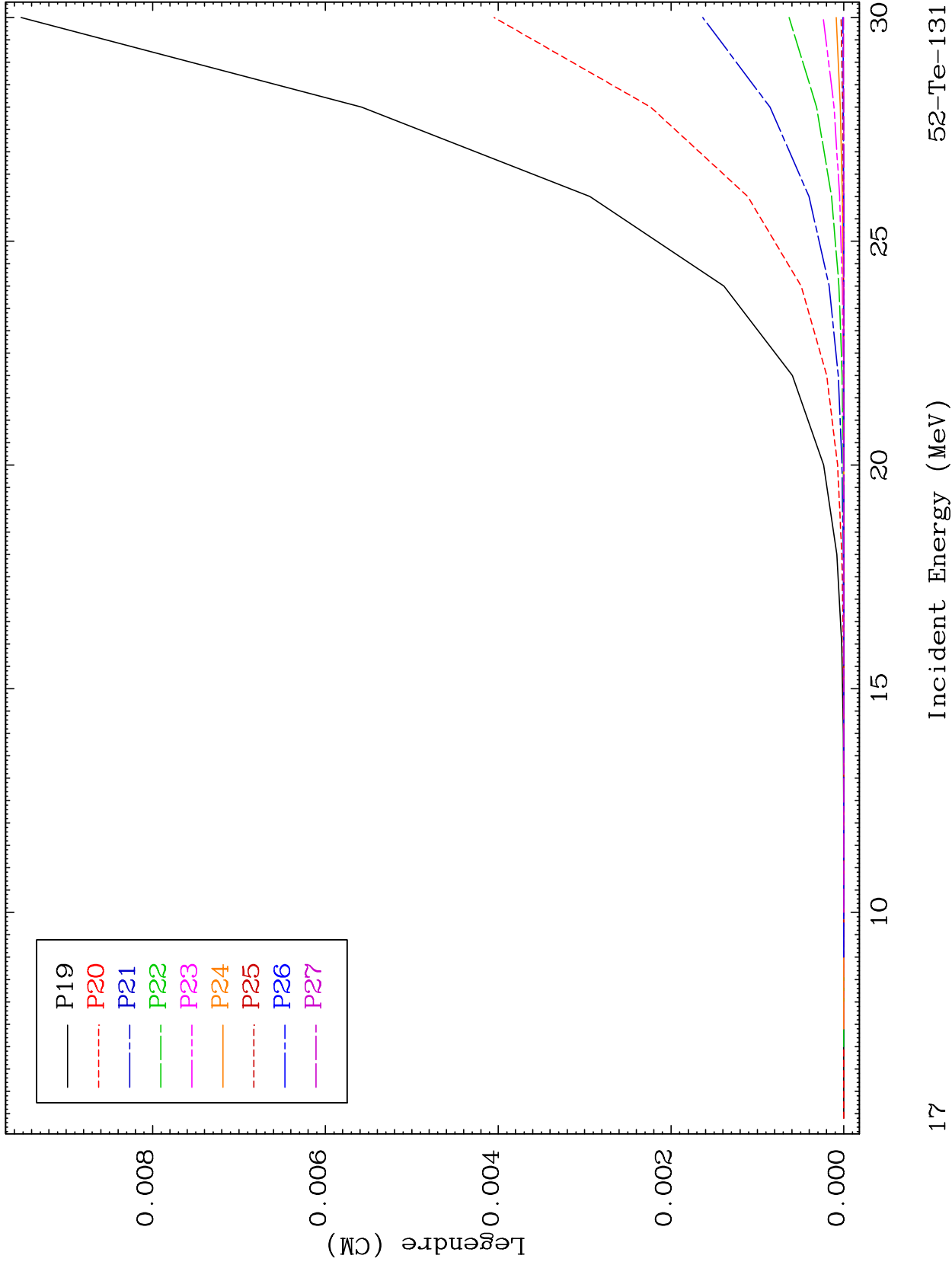


16

MAT 5258

Elastic Legendre Coefficients

52-Te-131



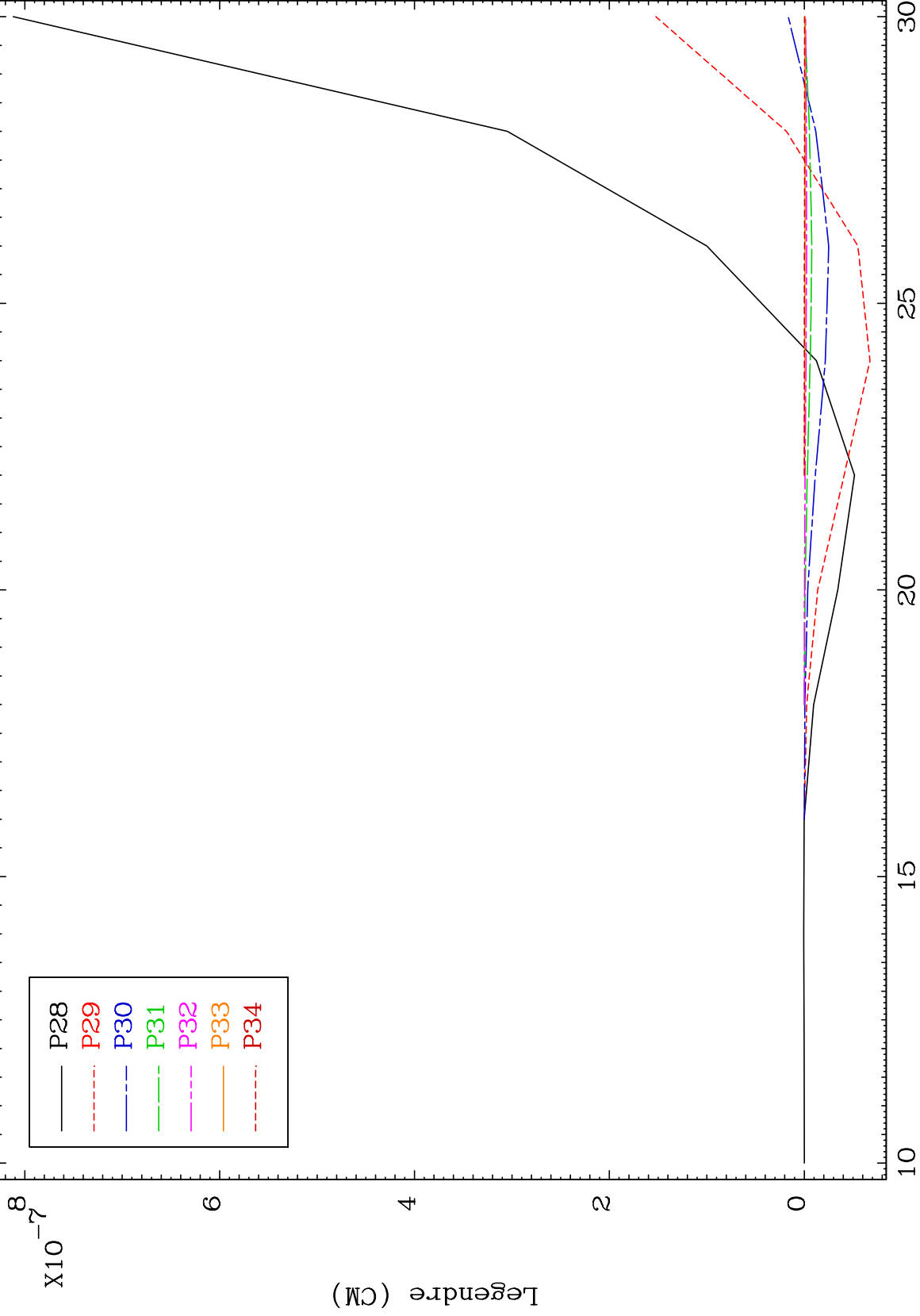
17

52-Te-131

MAT 5258

Elastic Legendre Coefficients

52-Te-131



18

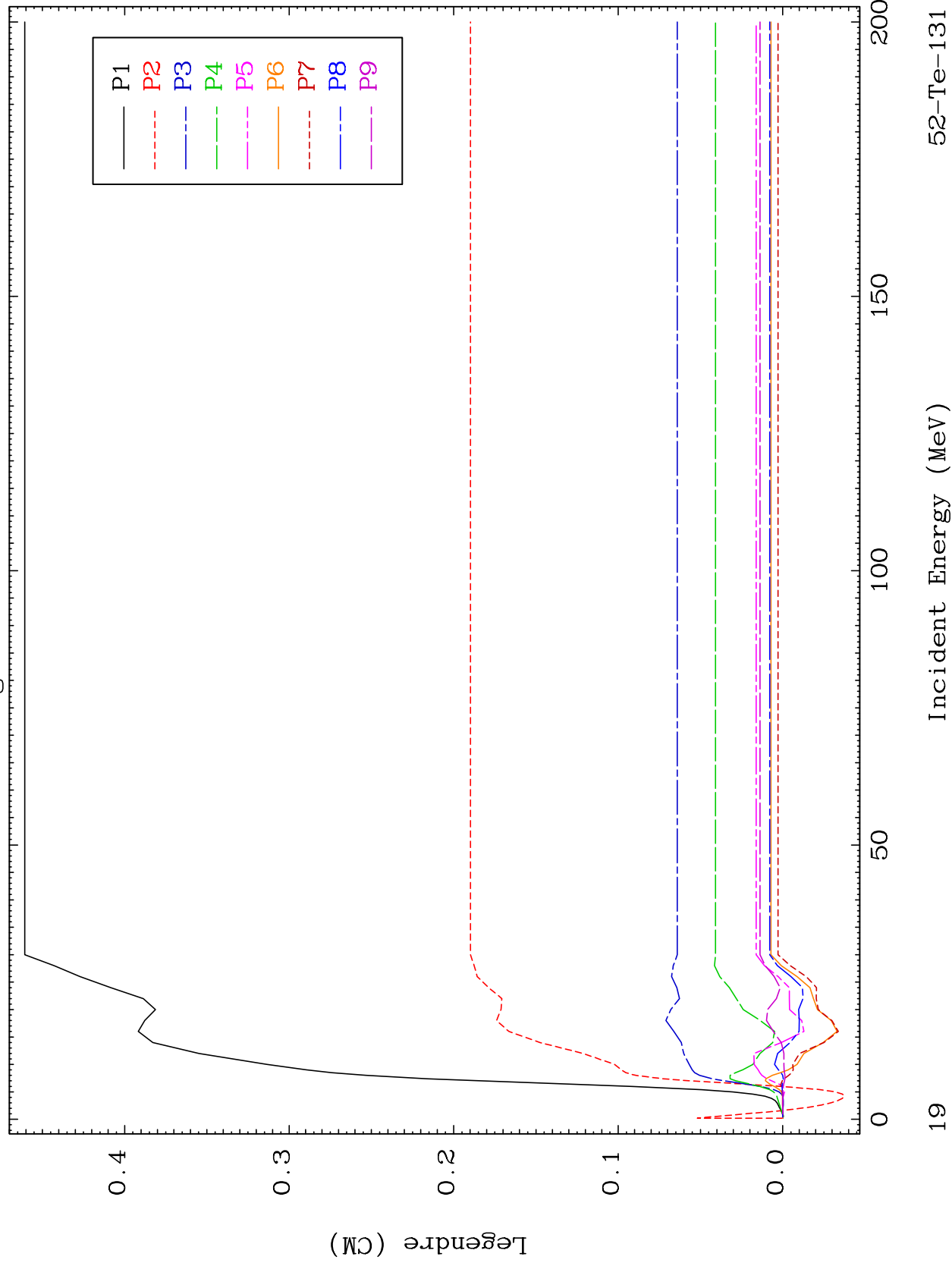
Incident Energy (MeV)

52-Te-131

MAT 5258

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

52-Te-131



19

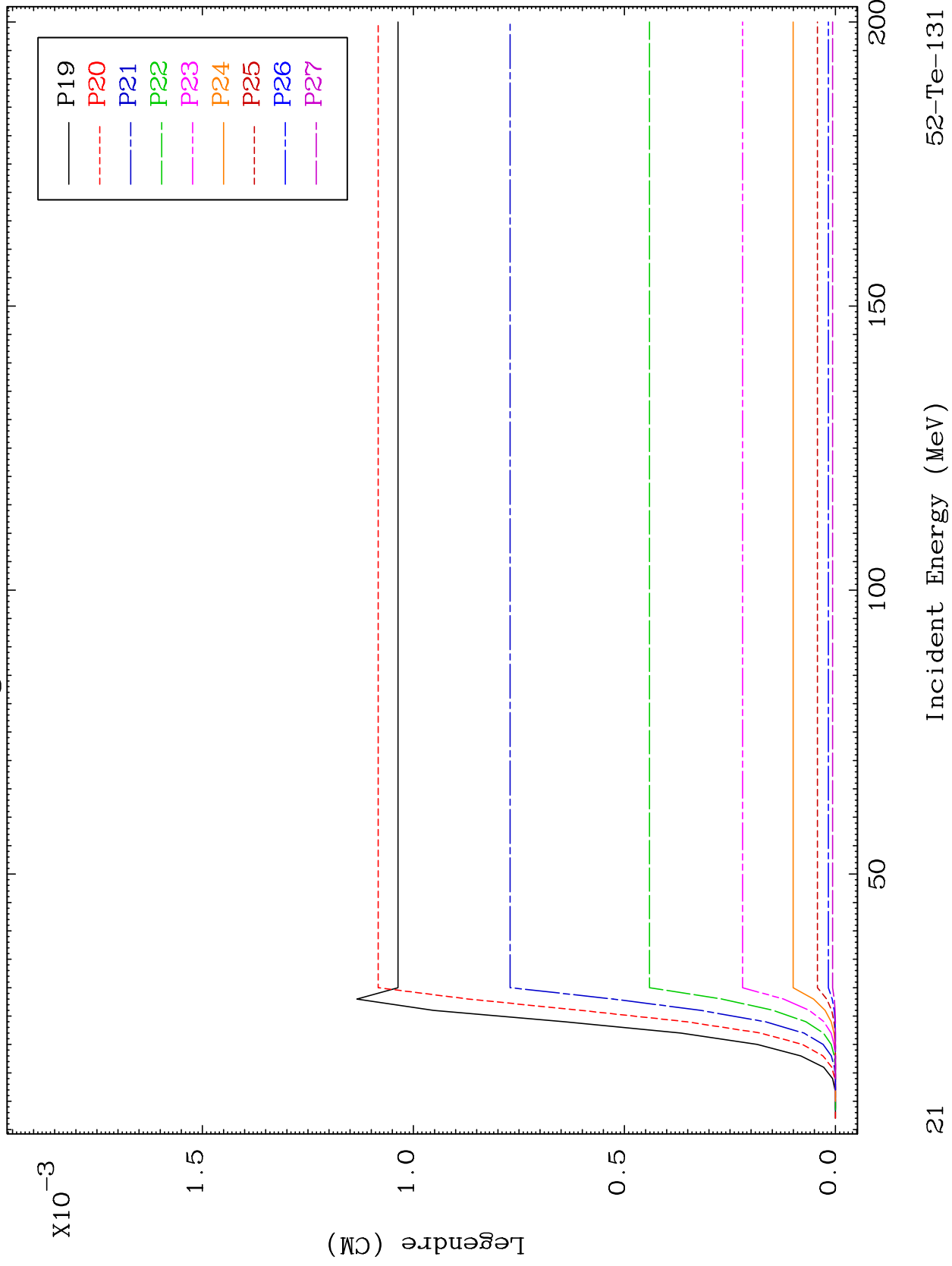
Incident Energy (MeV)

52-Te-131

MAT 5258

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

52-Te-131

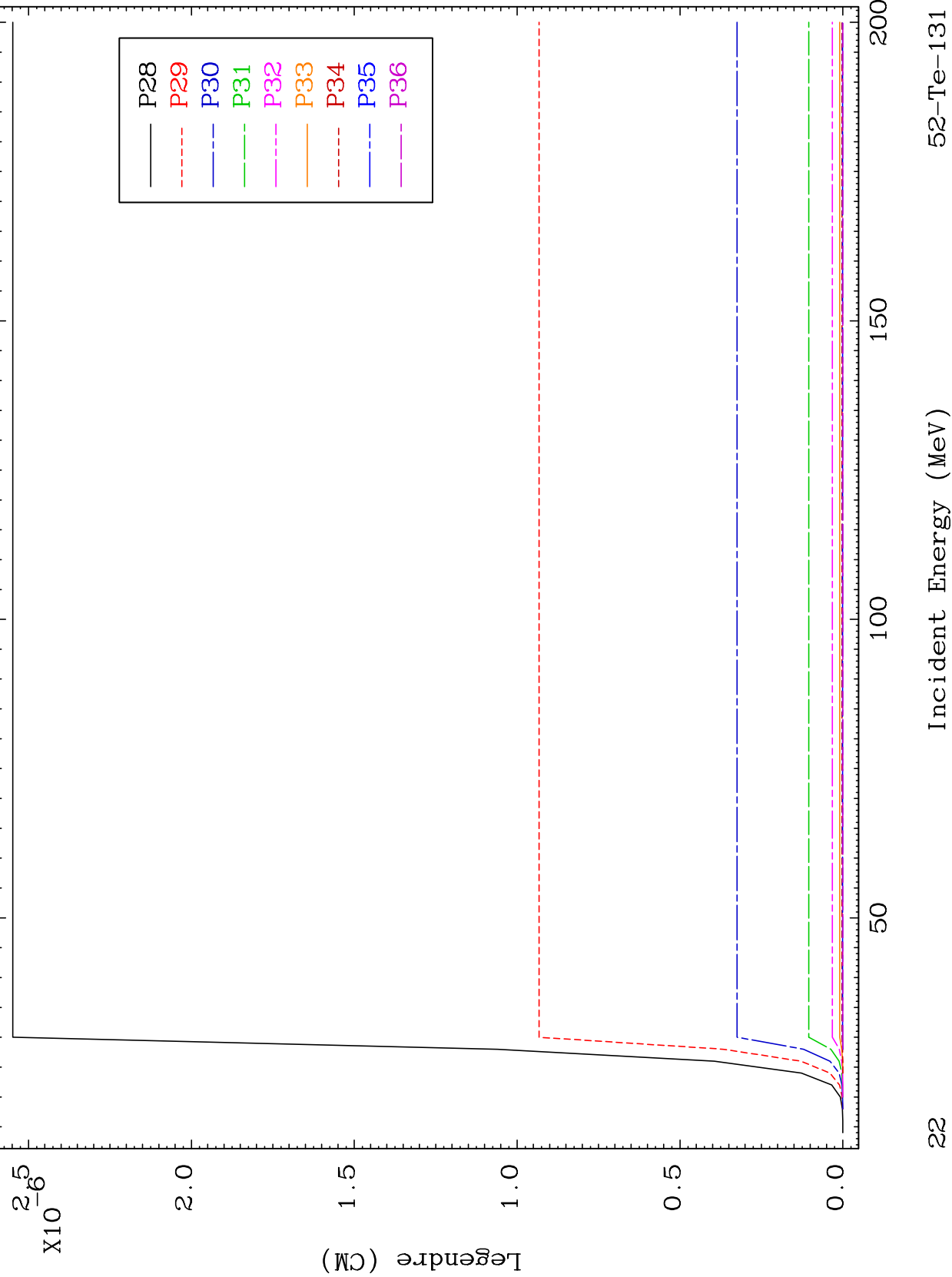


21

MAT 5258

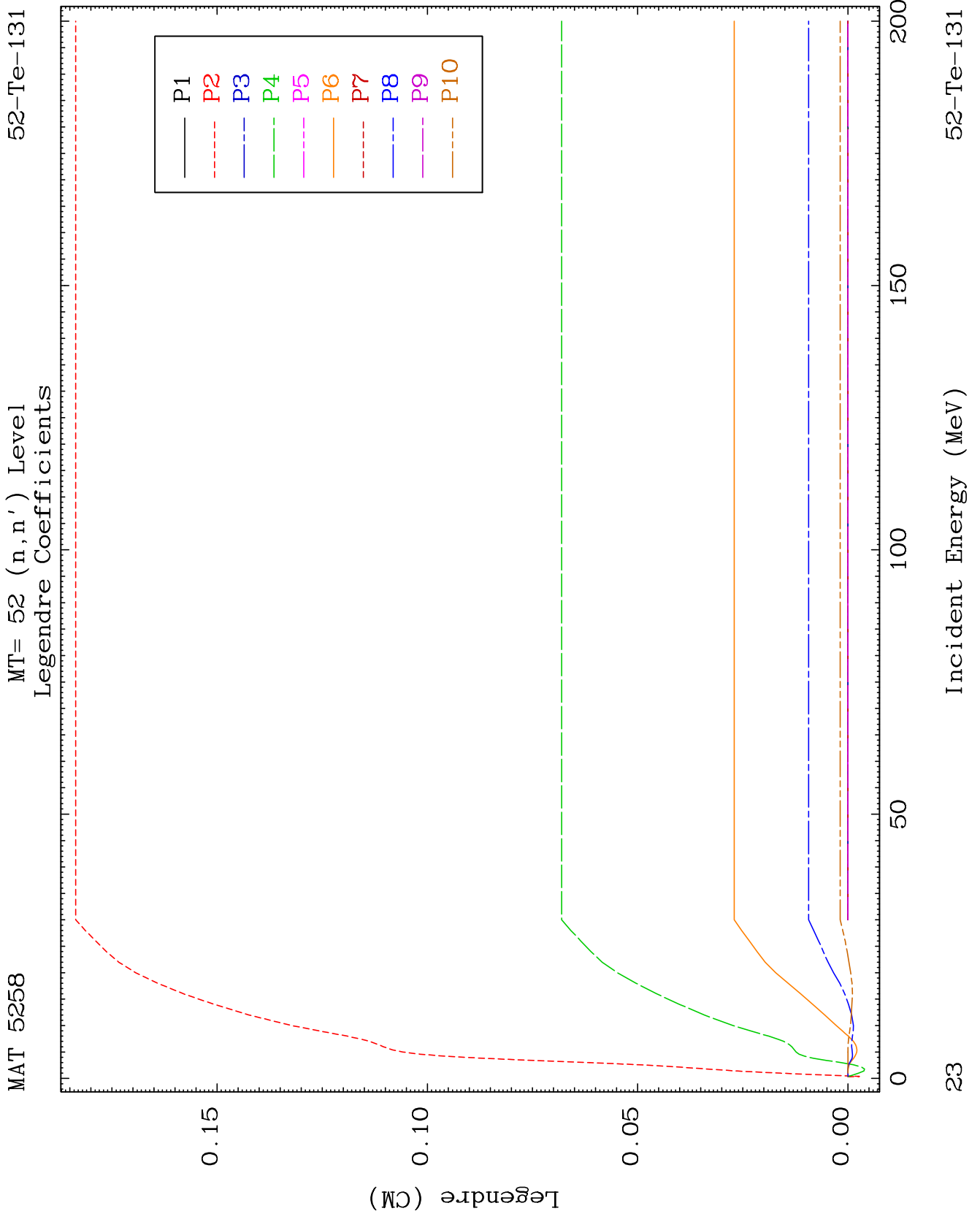
MT= 51 (n,n') Level
Legendre Coefficients

52-Te-131



22

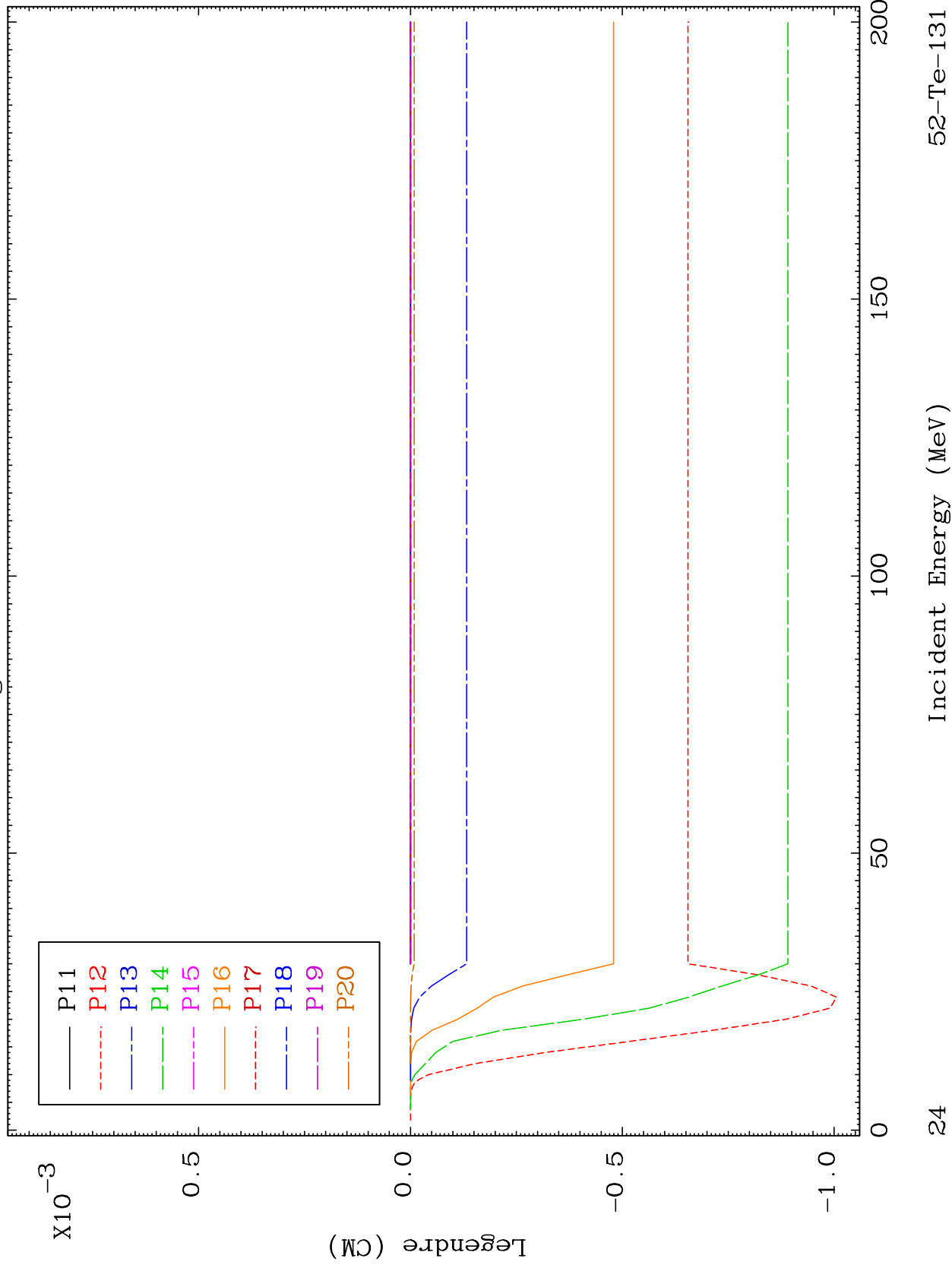
52-Te-131



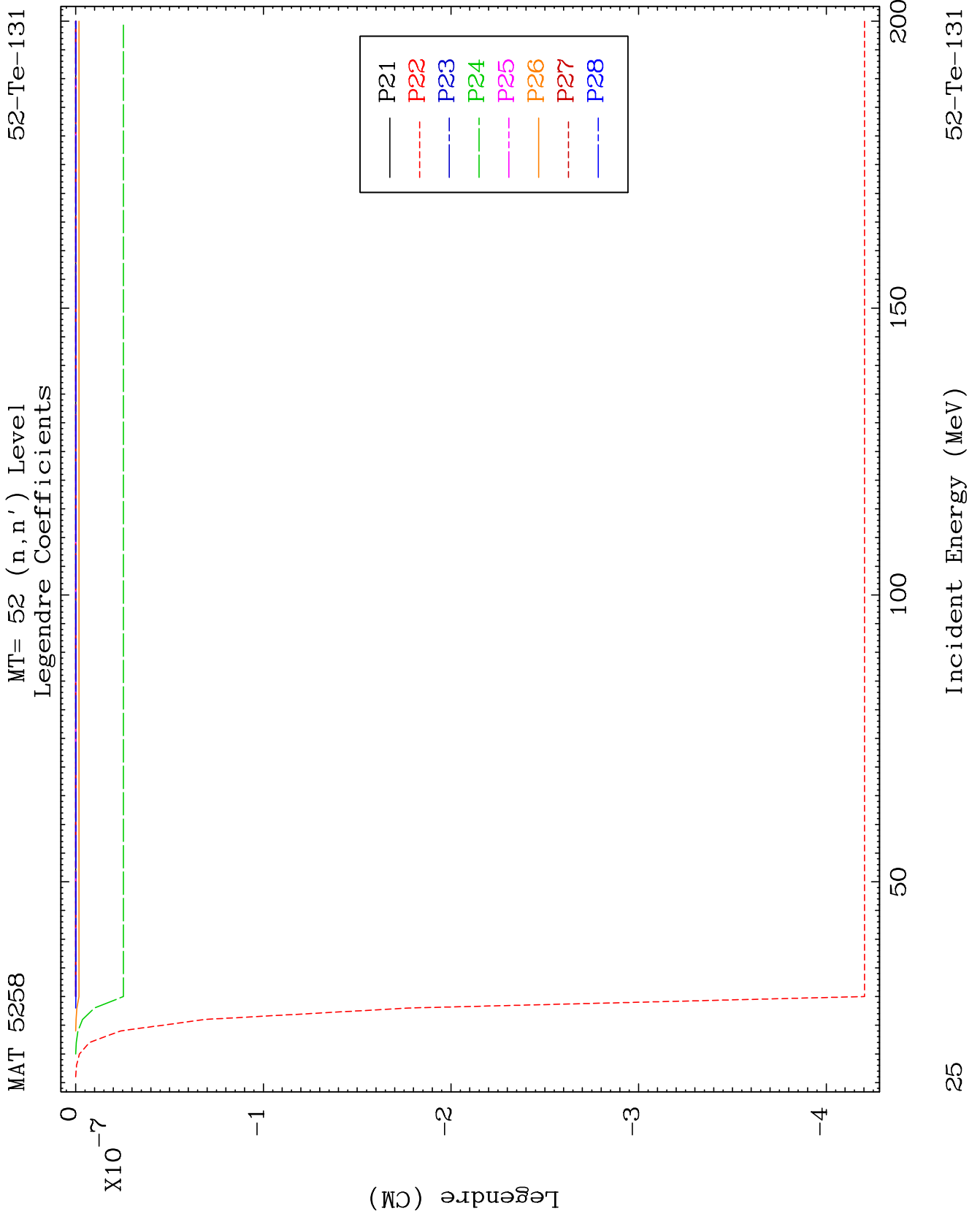
MAT 5258

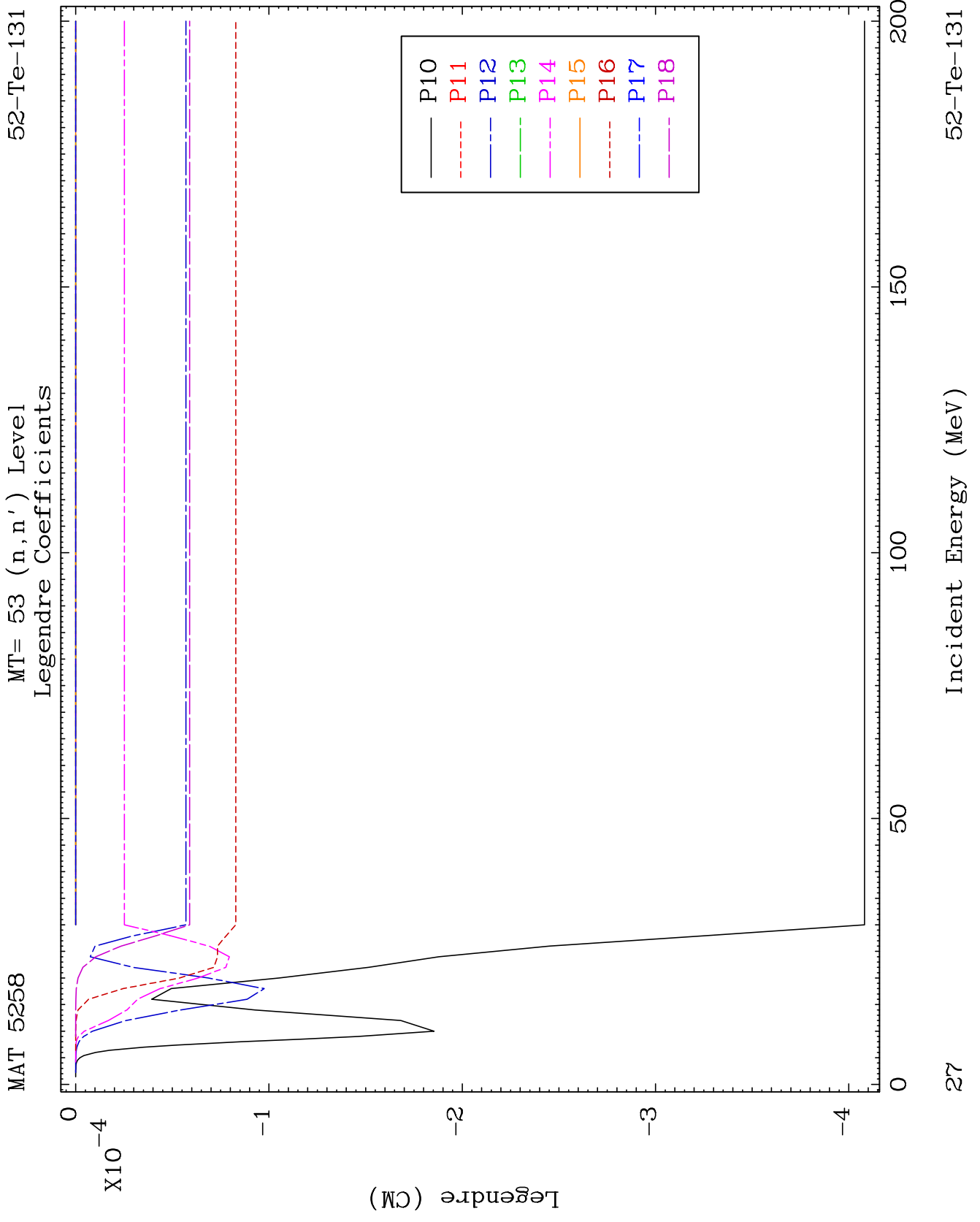
MT= 52 (n,n') Level
Legendre Coefficients

52-Te-131



24

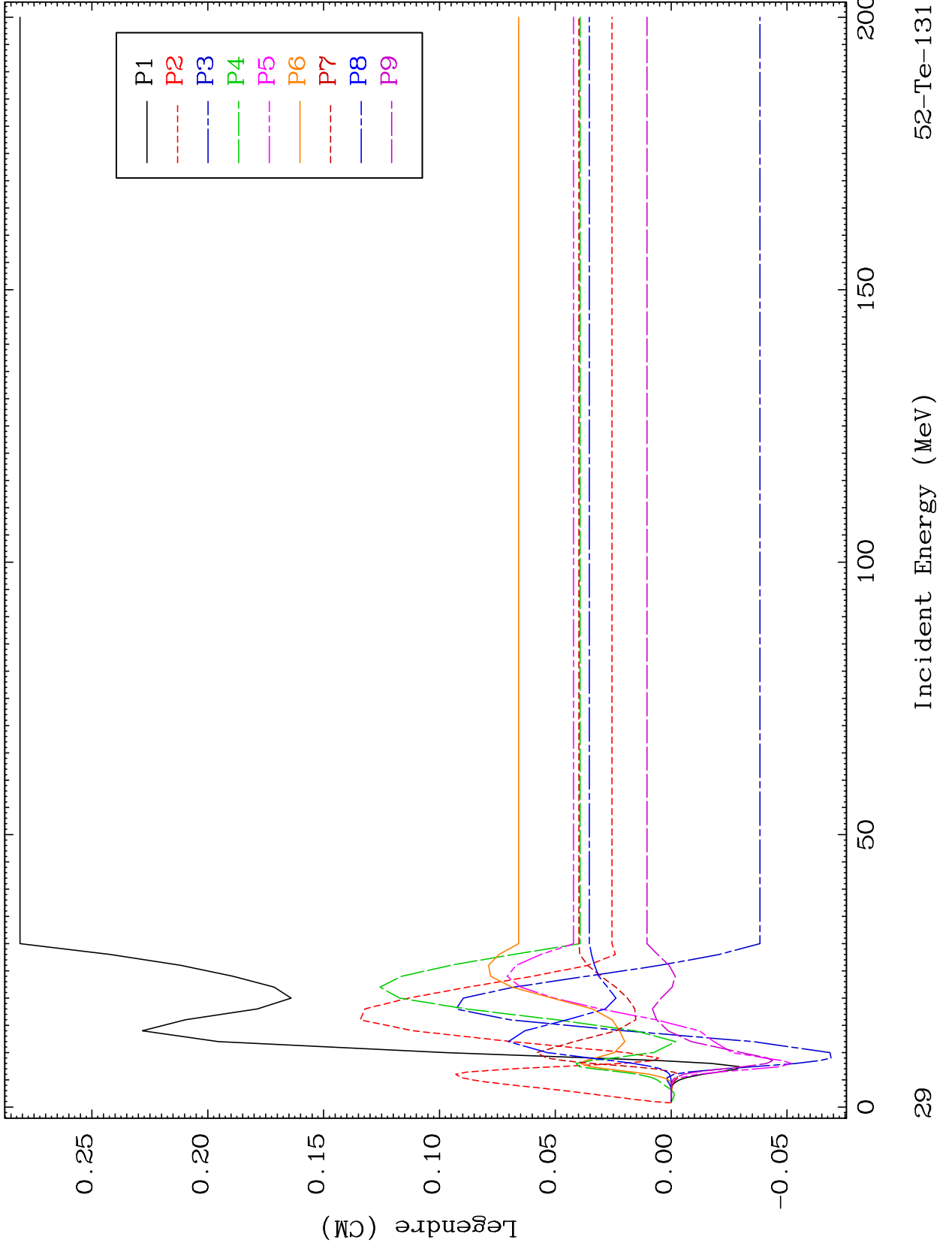




MAT 5258

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

52-Te-131



29

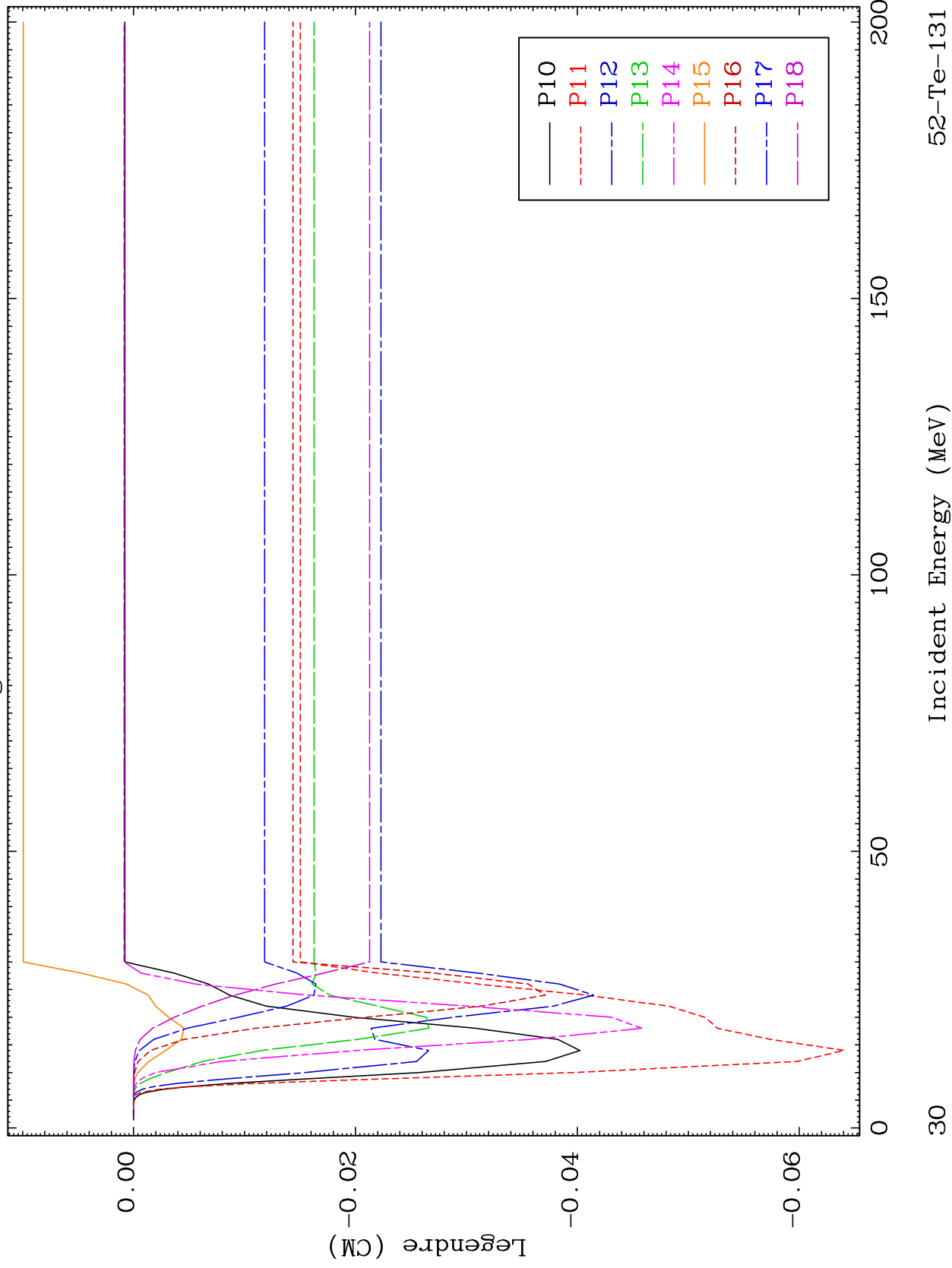
Incident Energy (MeV)

52-Te-131

MAT 5258

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

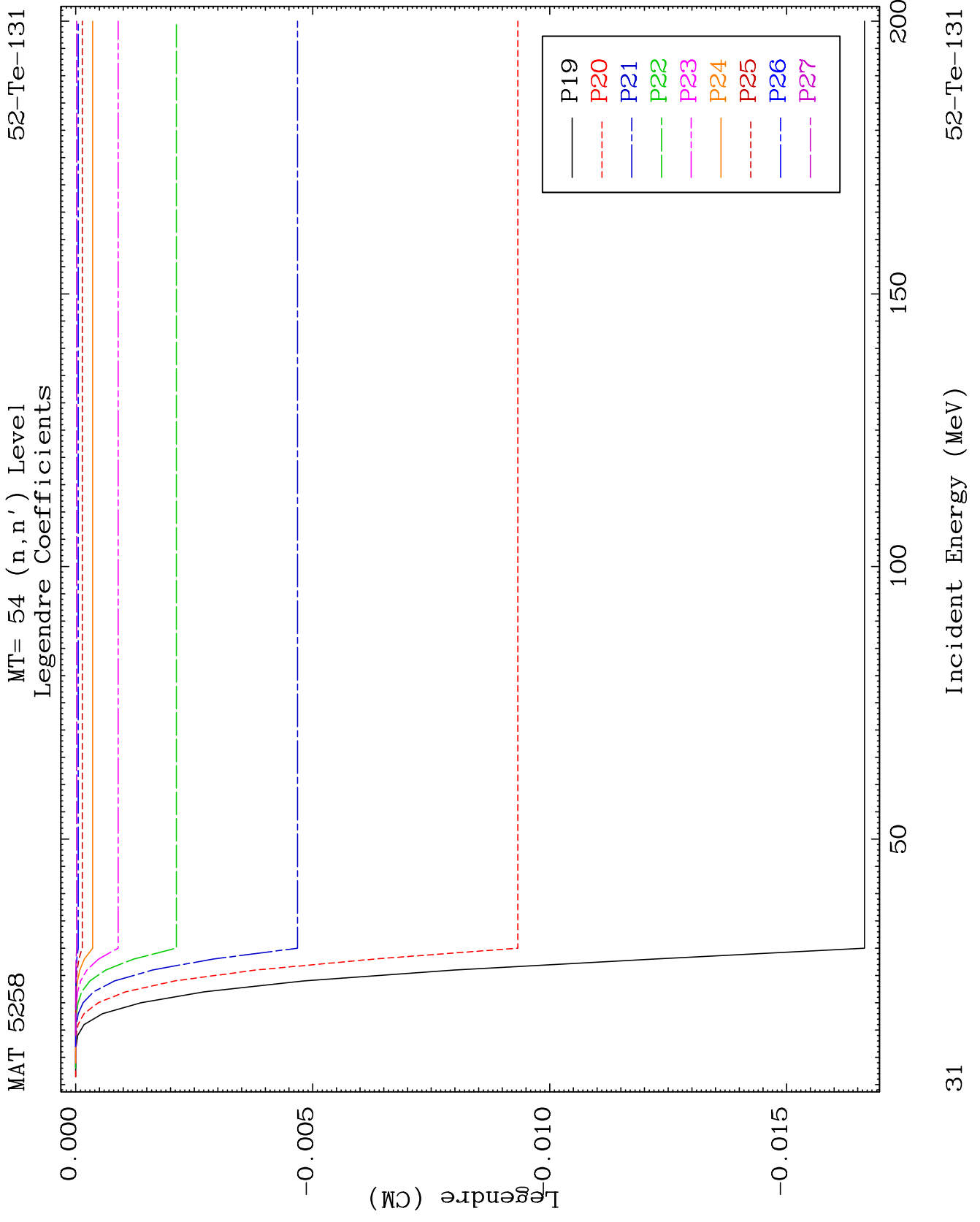
52-Te-131

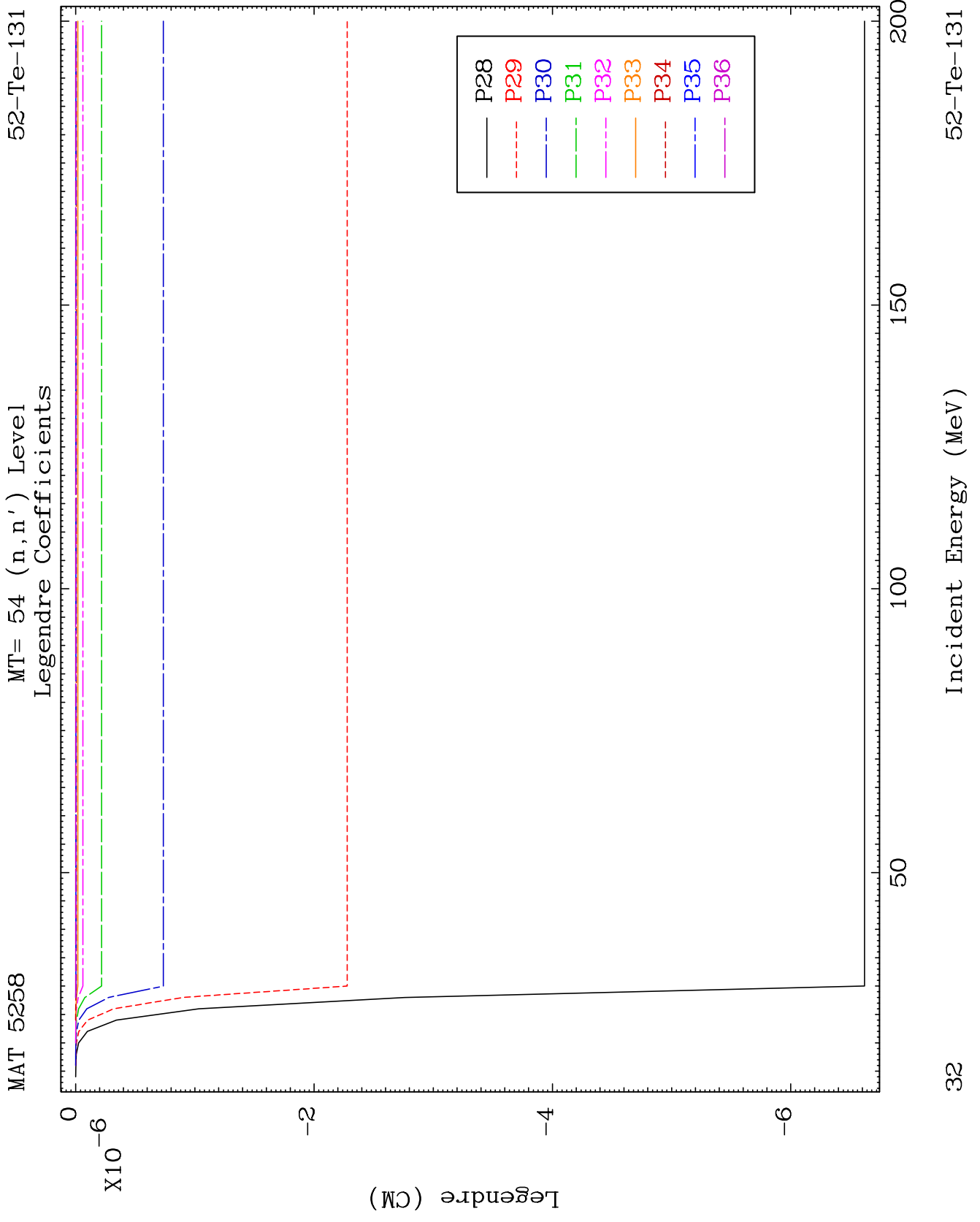


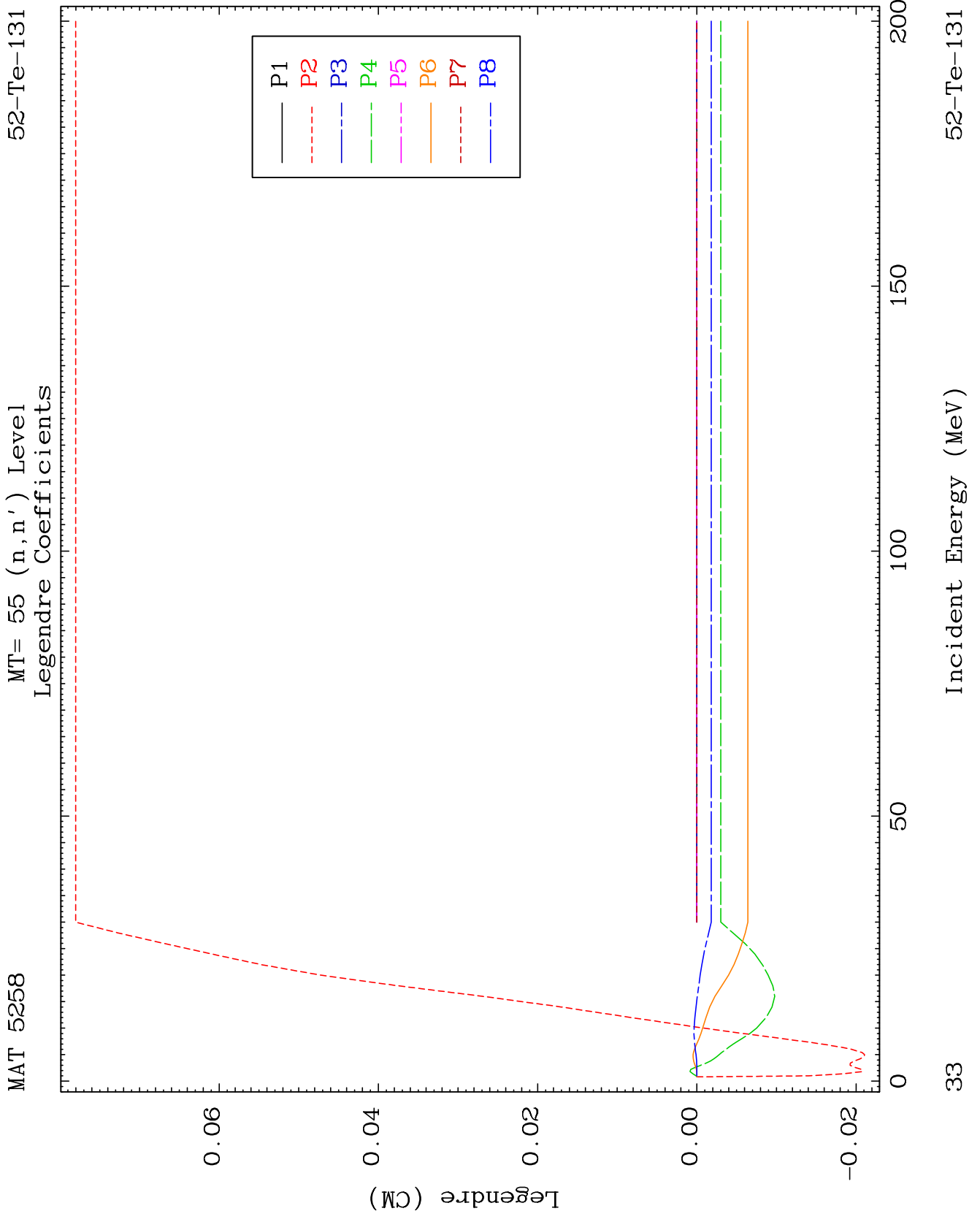
52-Te-131

Incident Energy (MeV)

30



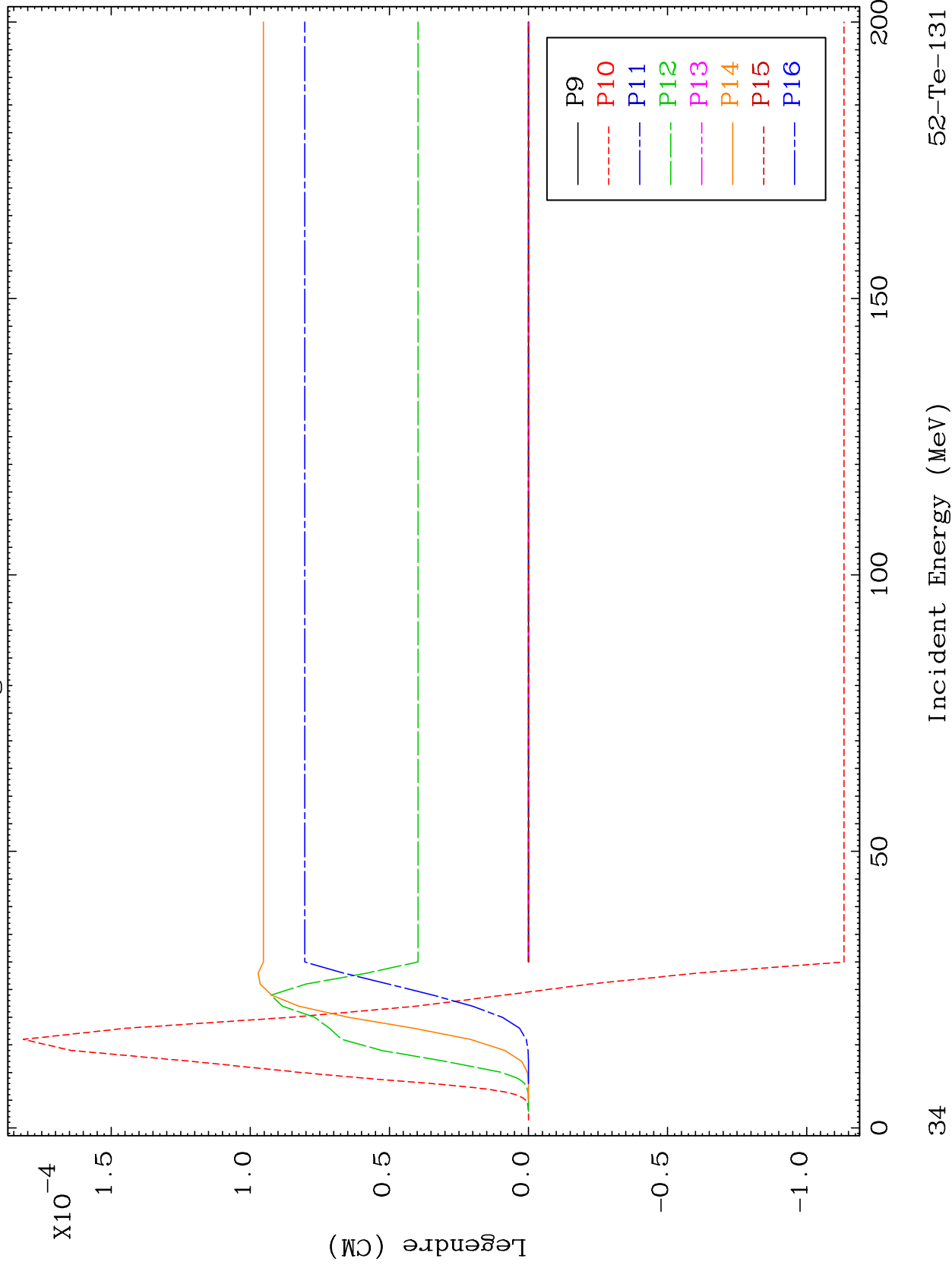




MAT 5258

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

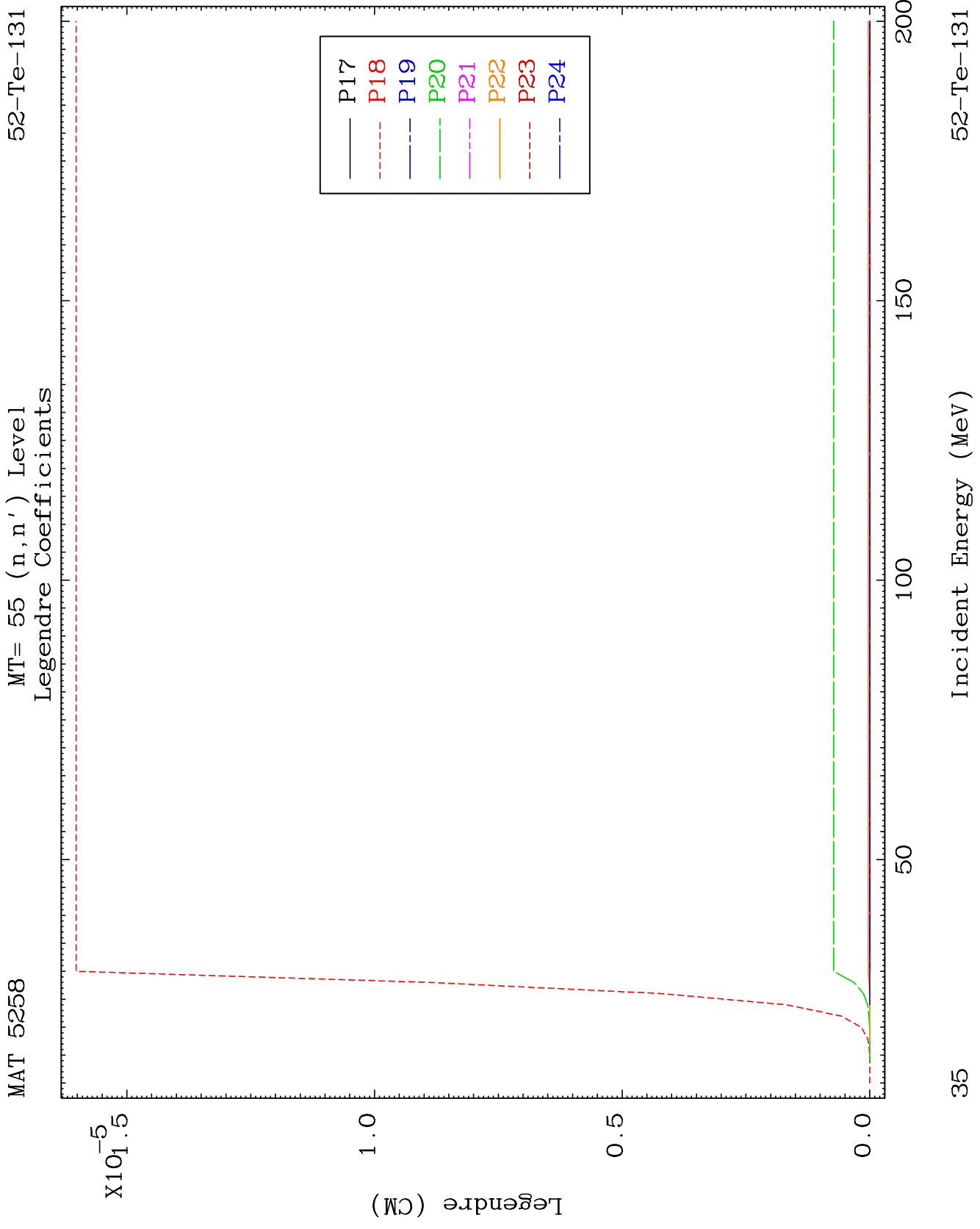
52-Te-131

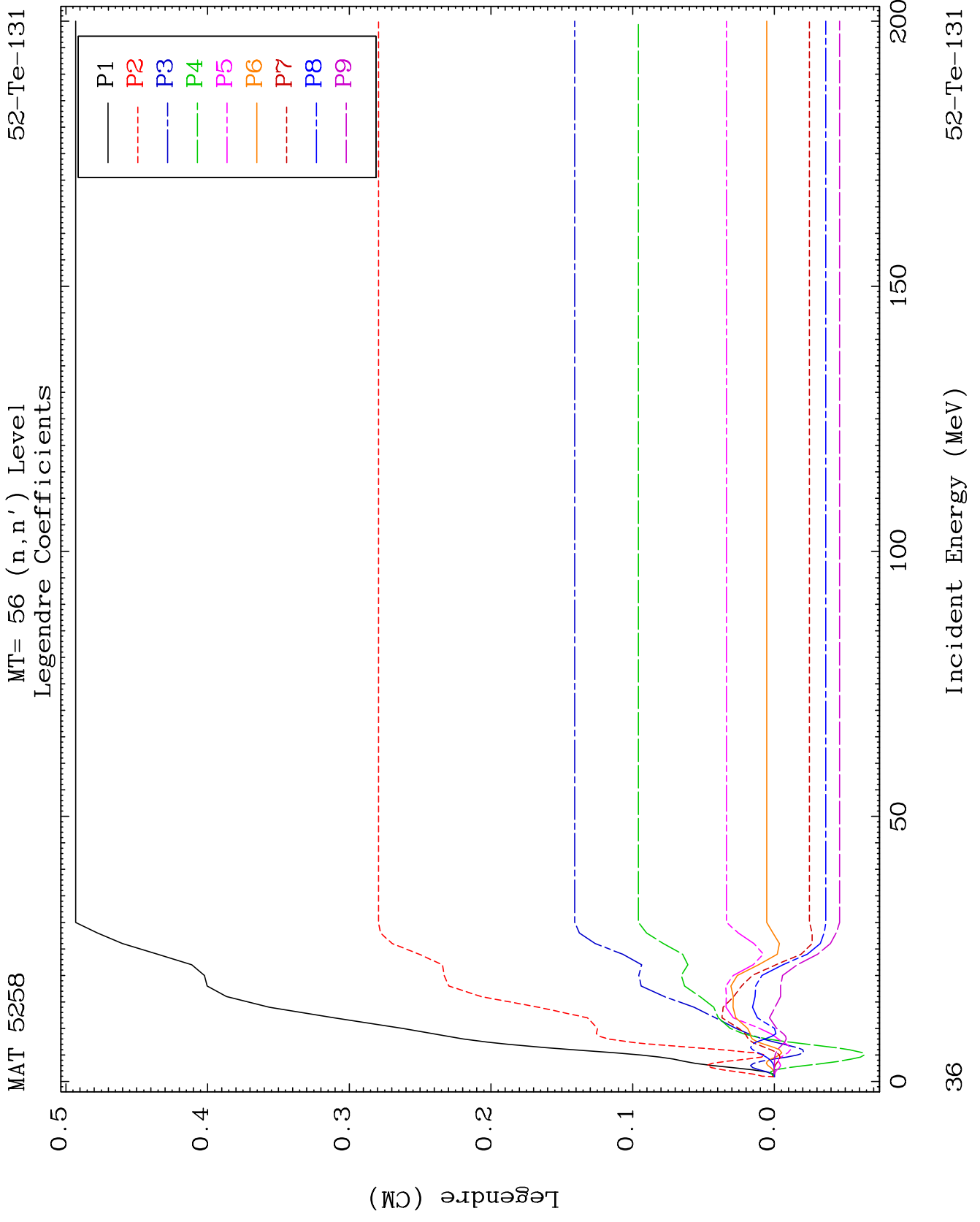


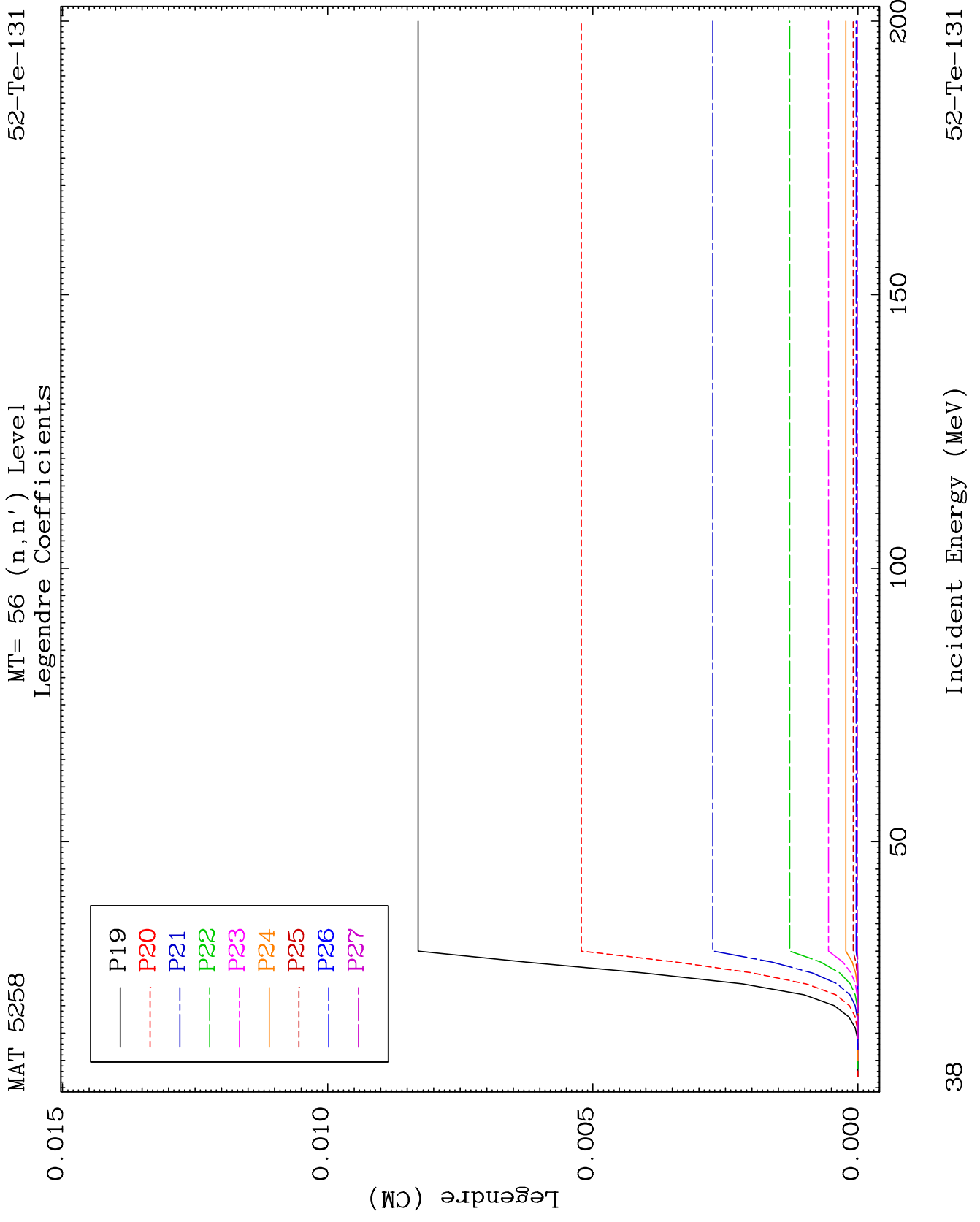
34

Incident Energy (MeV)

52-Te-131



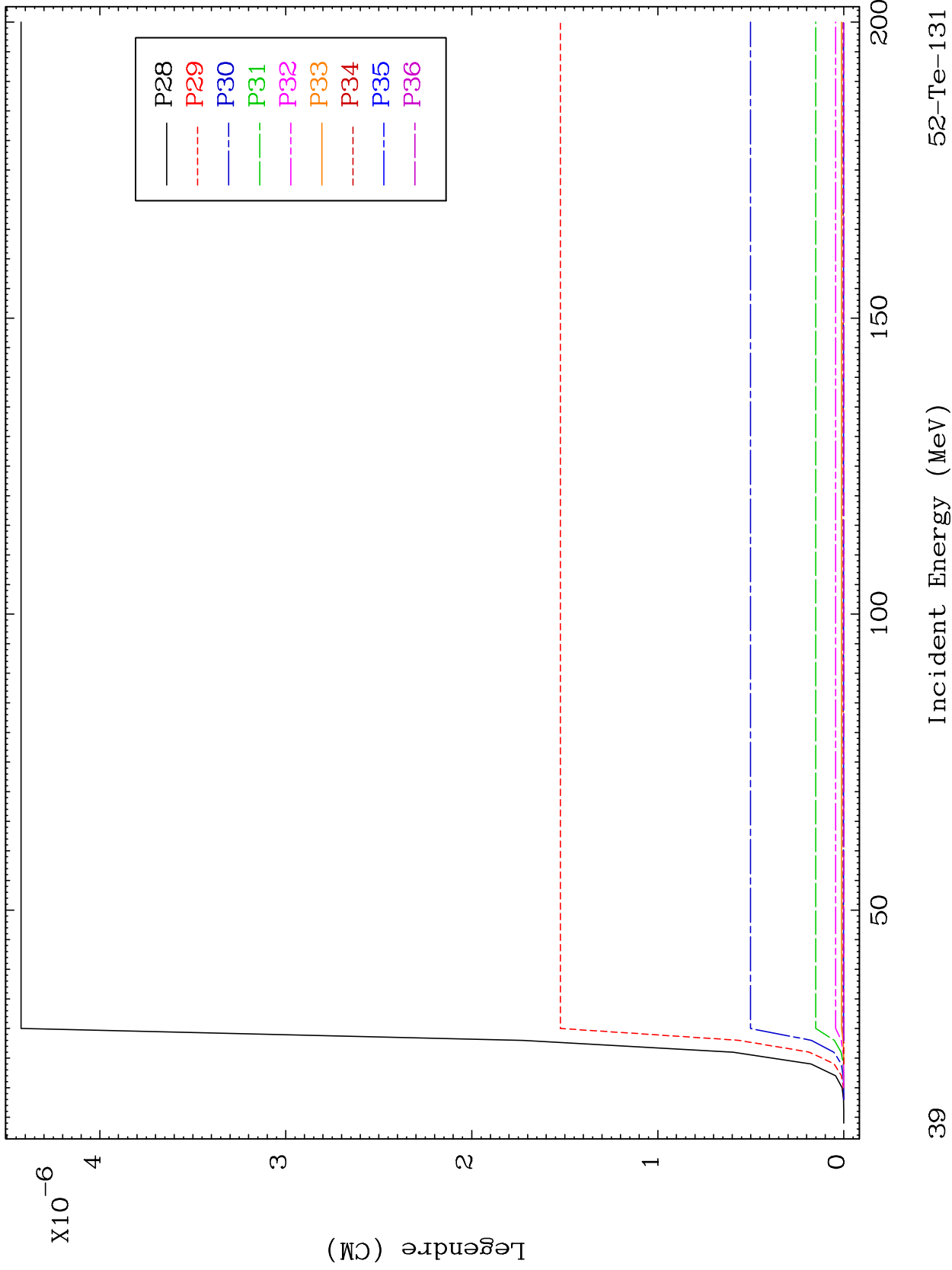




MAT 5258

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

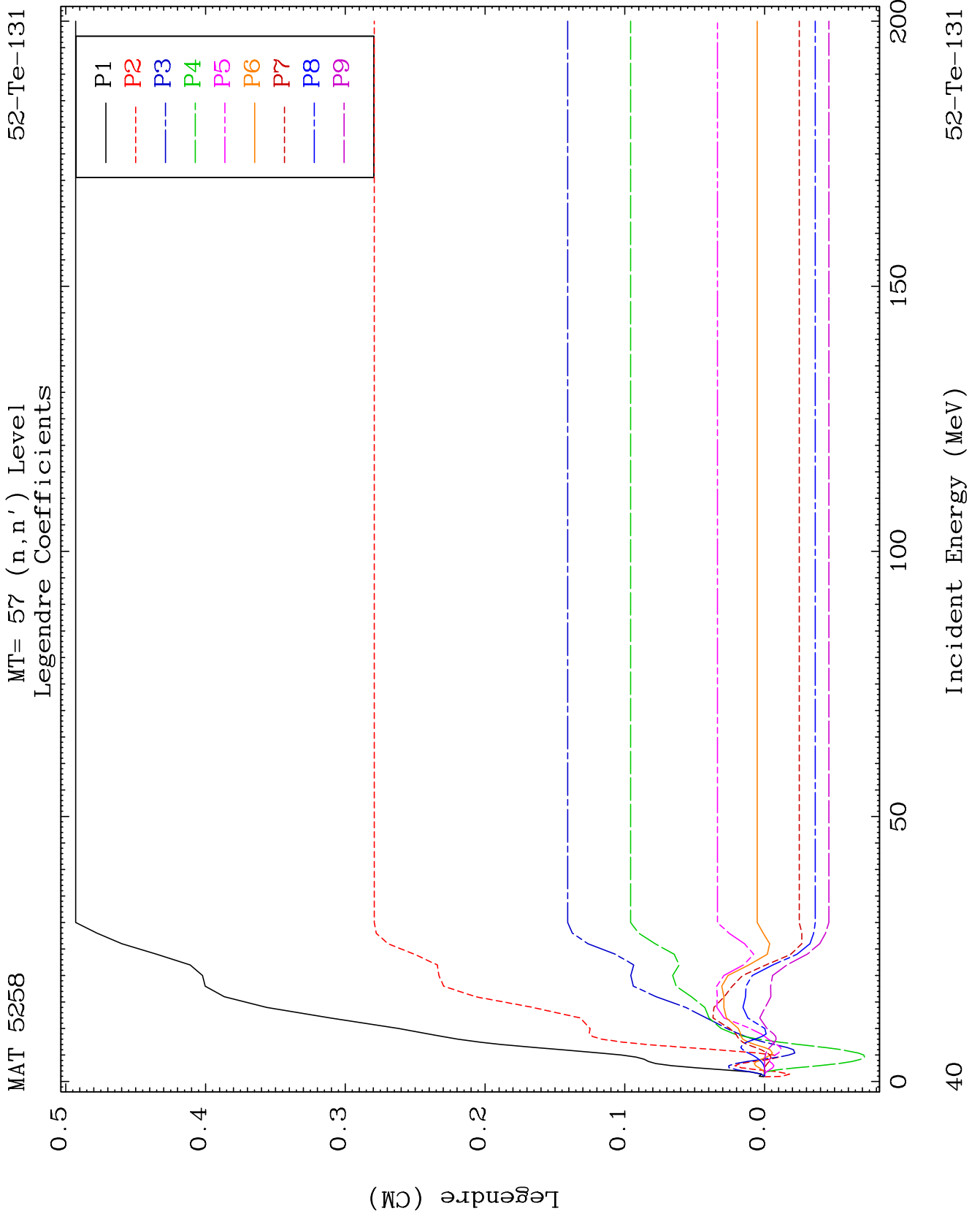
52-Te-131



39

Incident Energy (MeV)

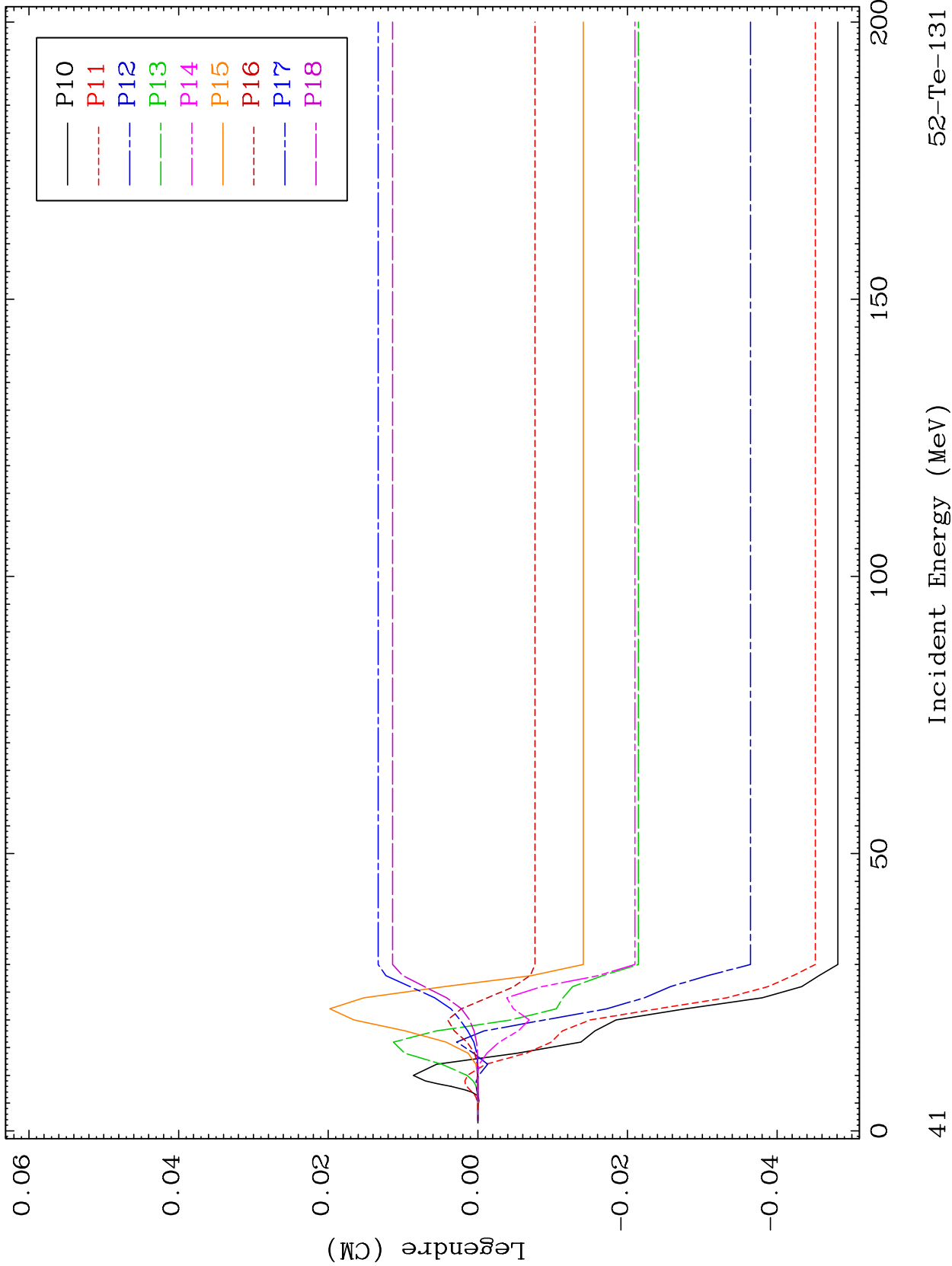
52-Te-131



MAT 5258

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

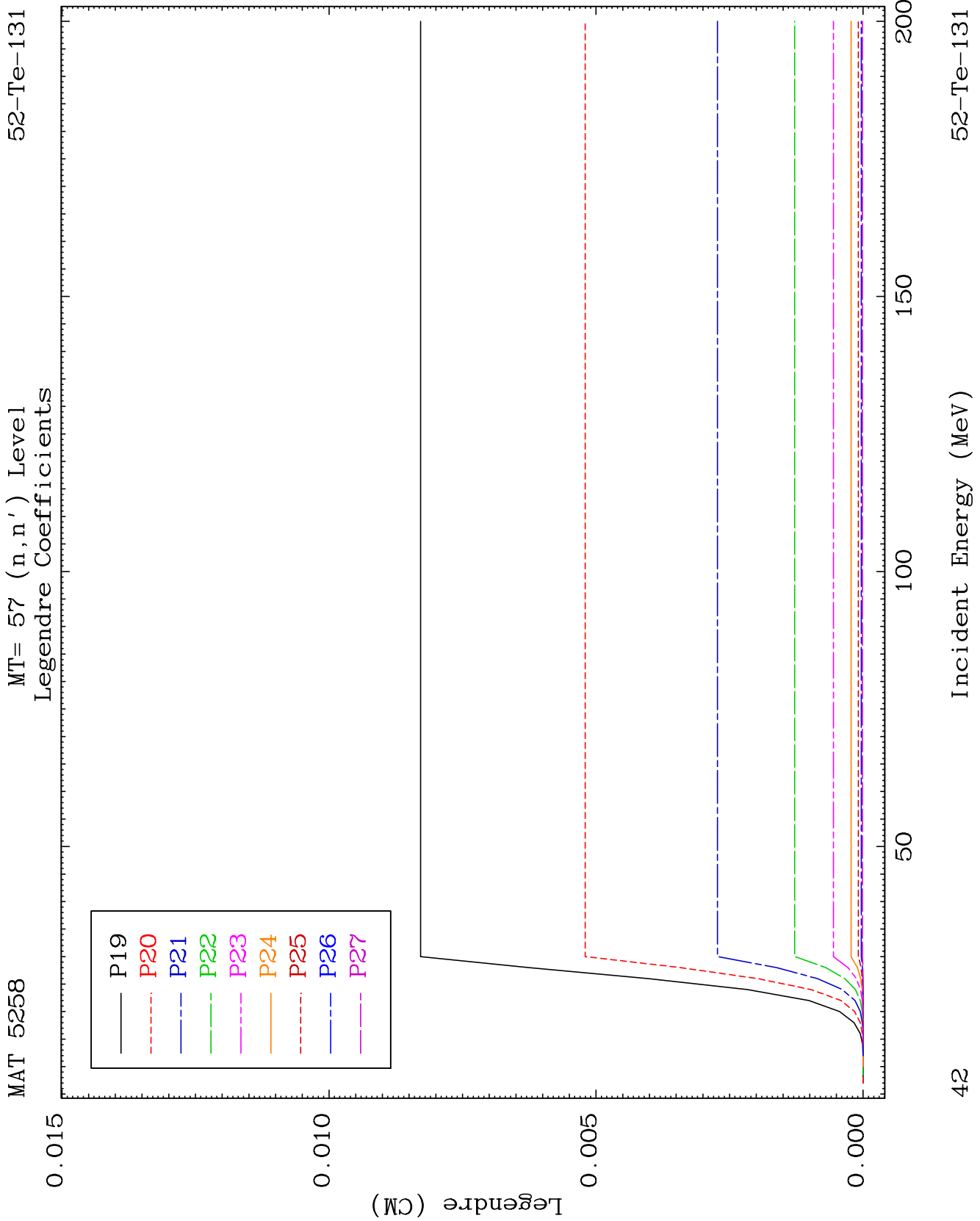
52-Te-131



41

Incident Energy (MeV)

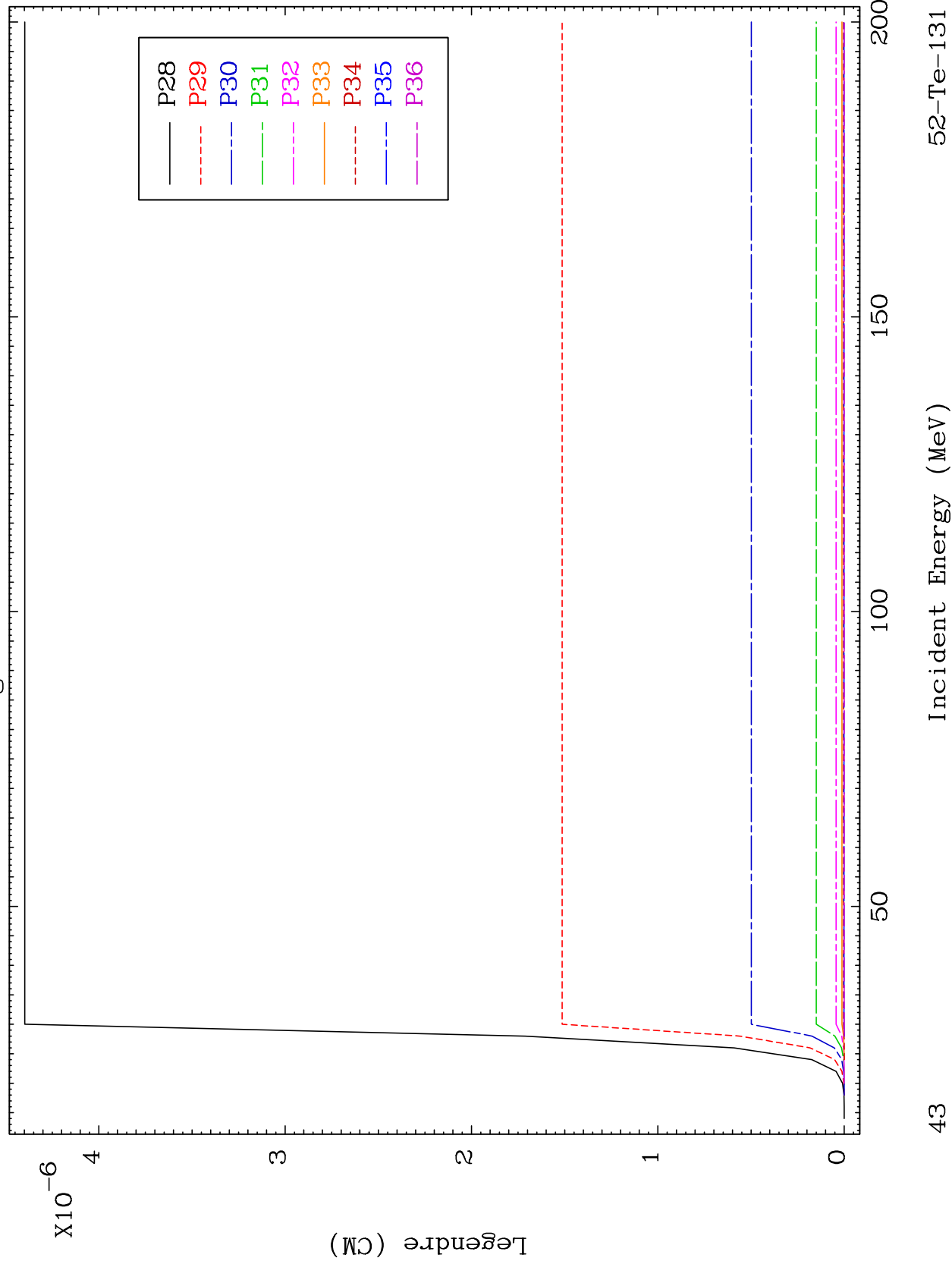
52-Te-131

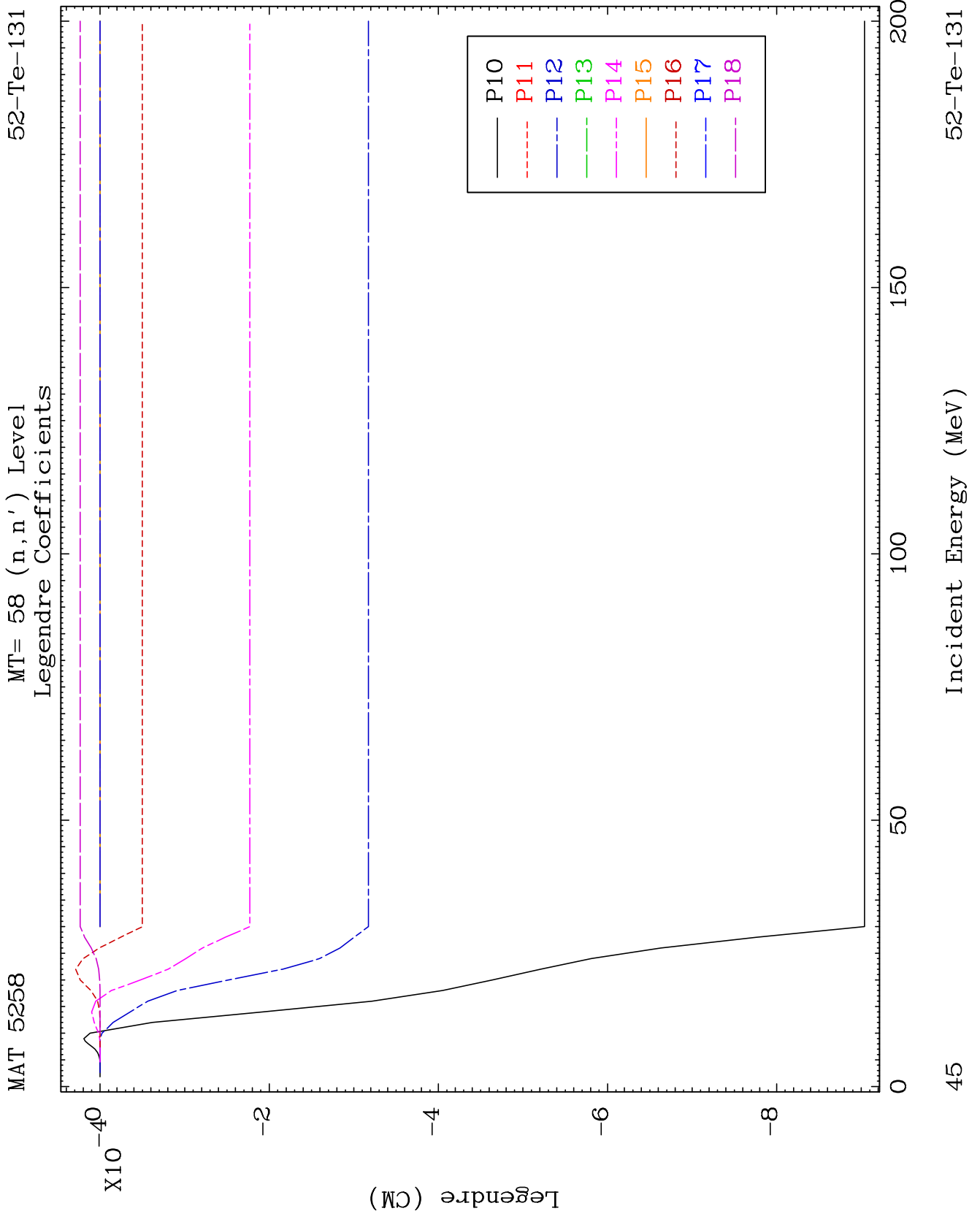


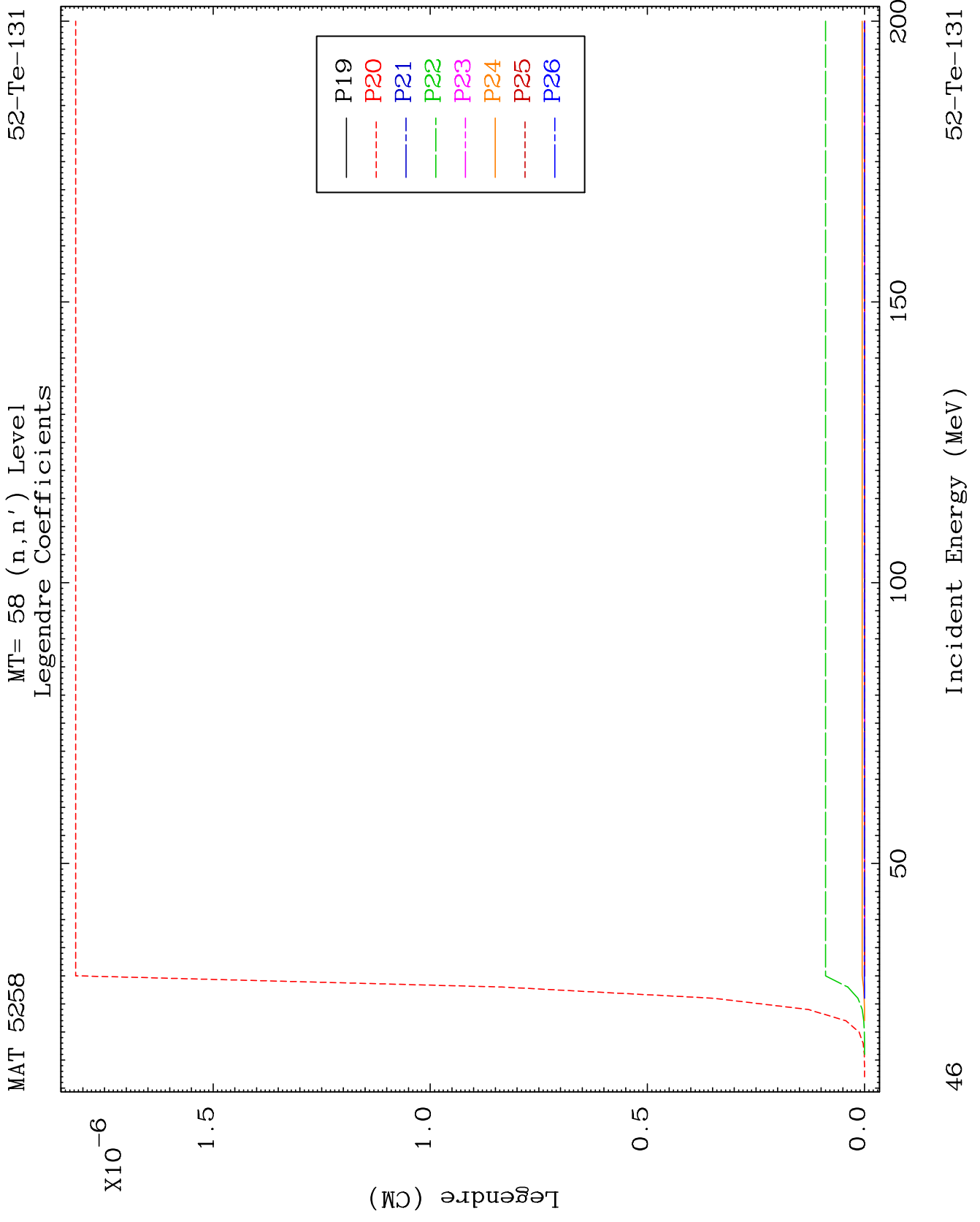
MAT 5258

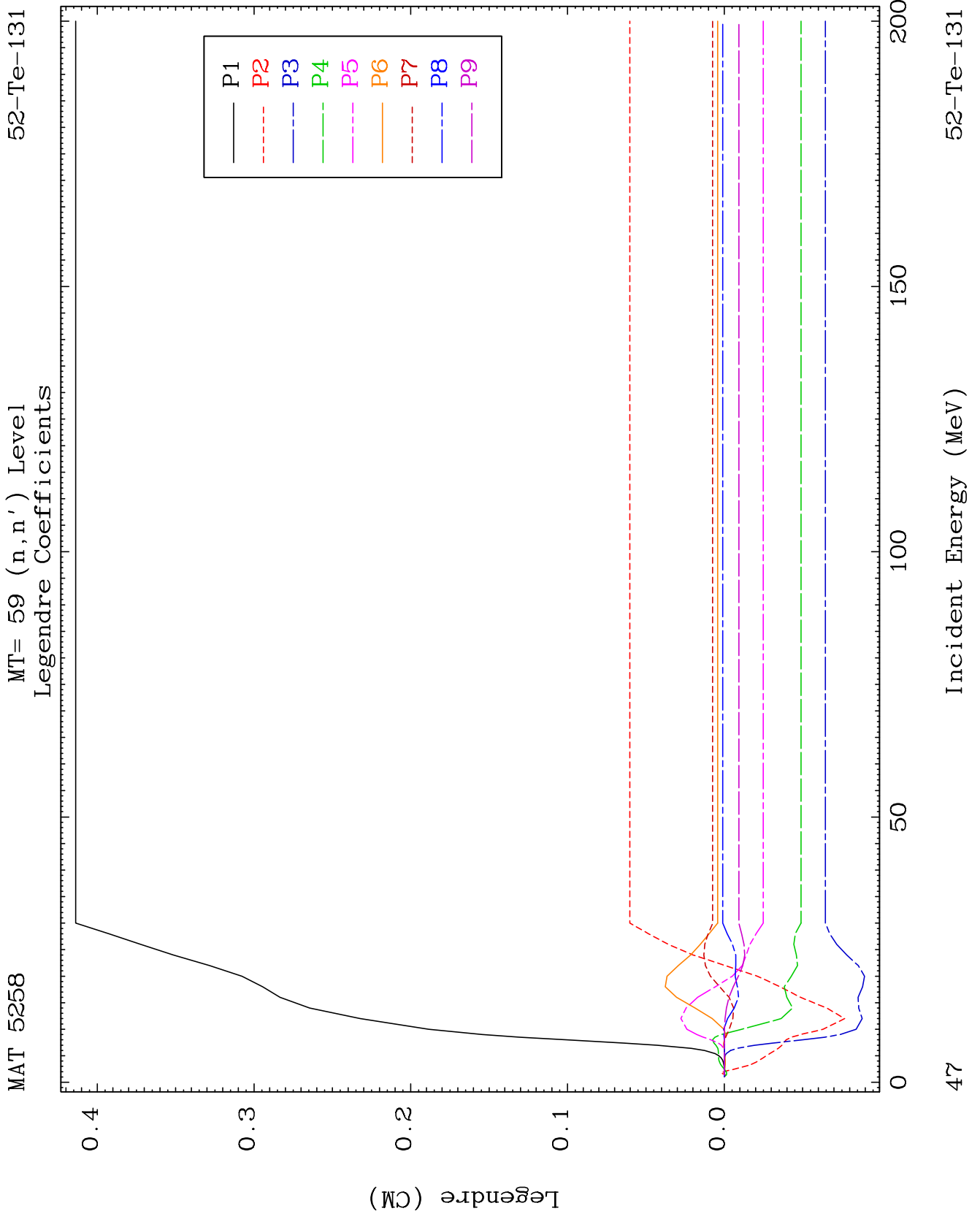
MT= 57 (n,n') Level
Legendre Coefficients

52-Te-131





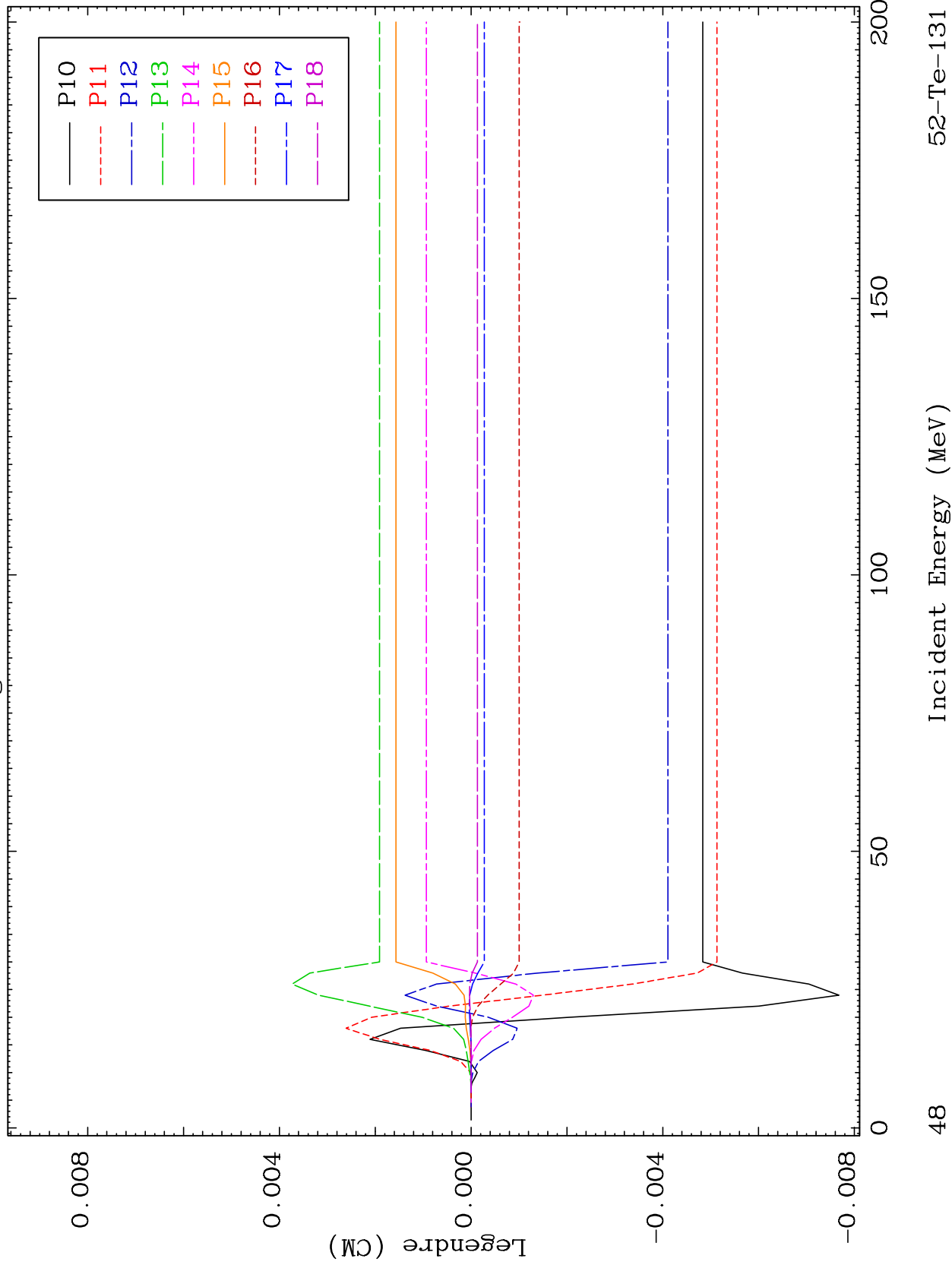




MAT 5258

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

52-Te-131



52-Te-131

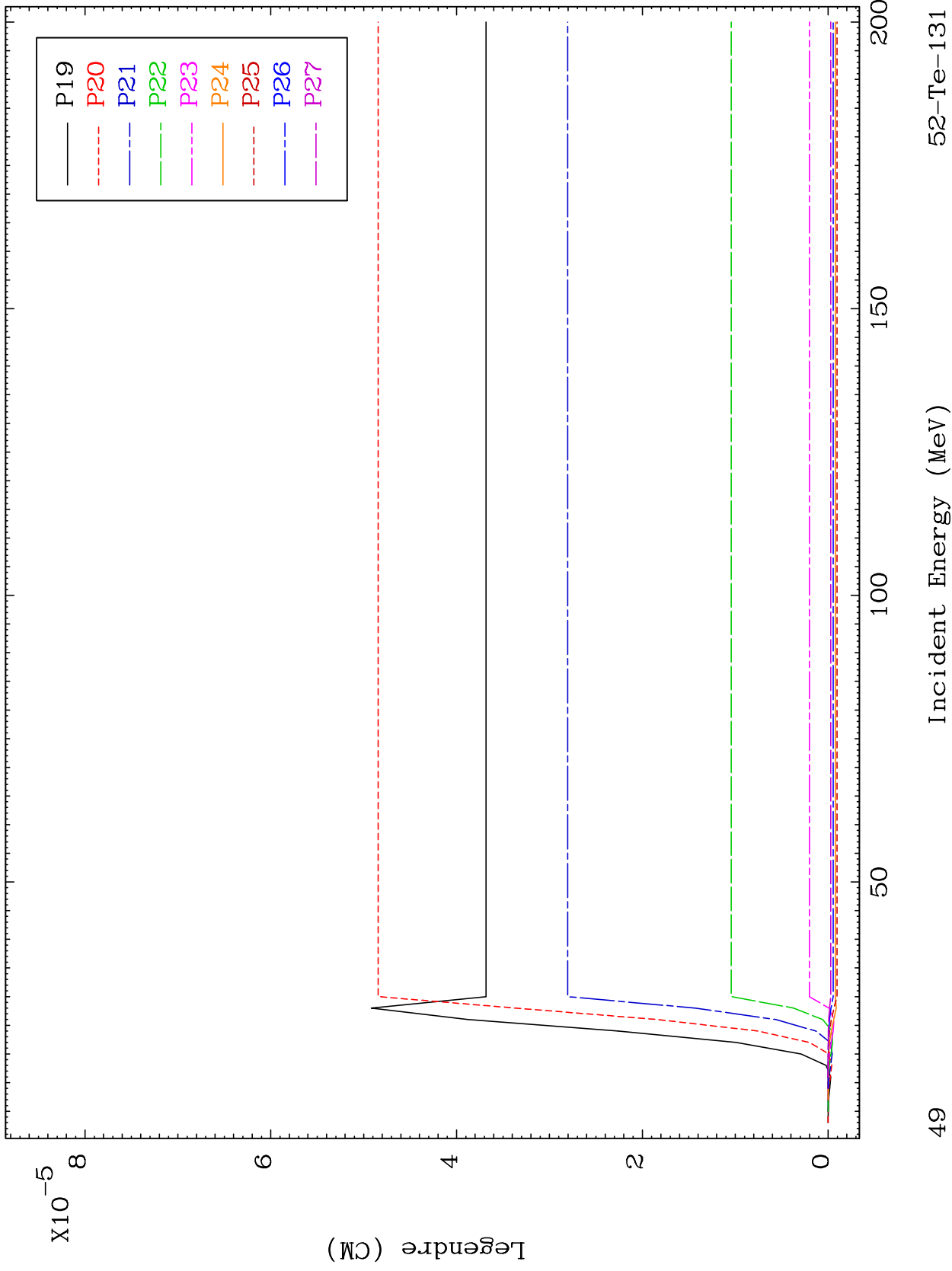
Incident Energy (MeV)

48

MAT 5258

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

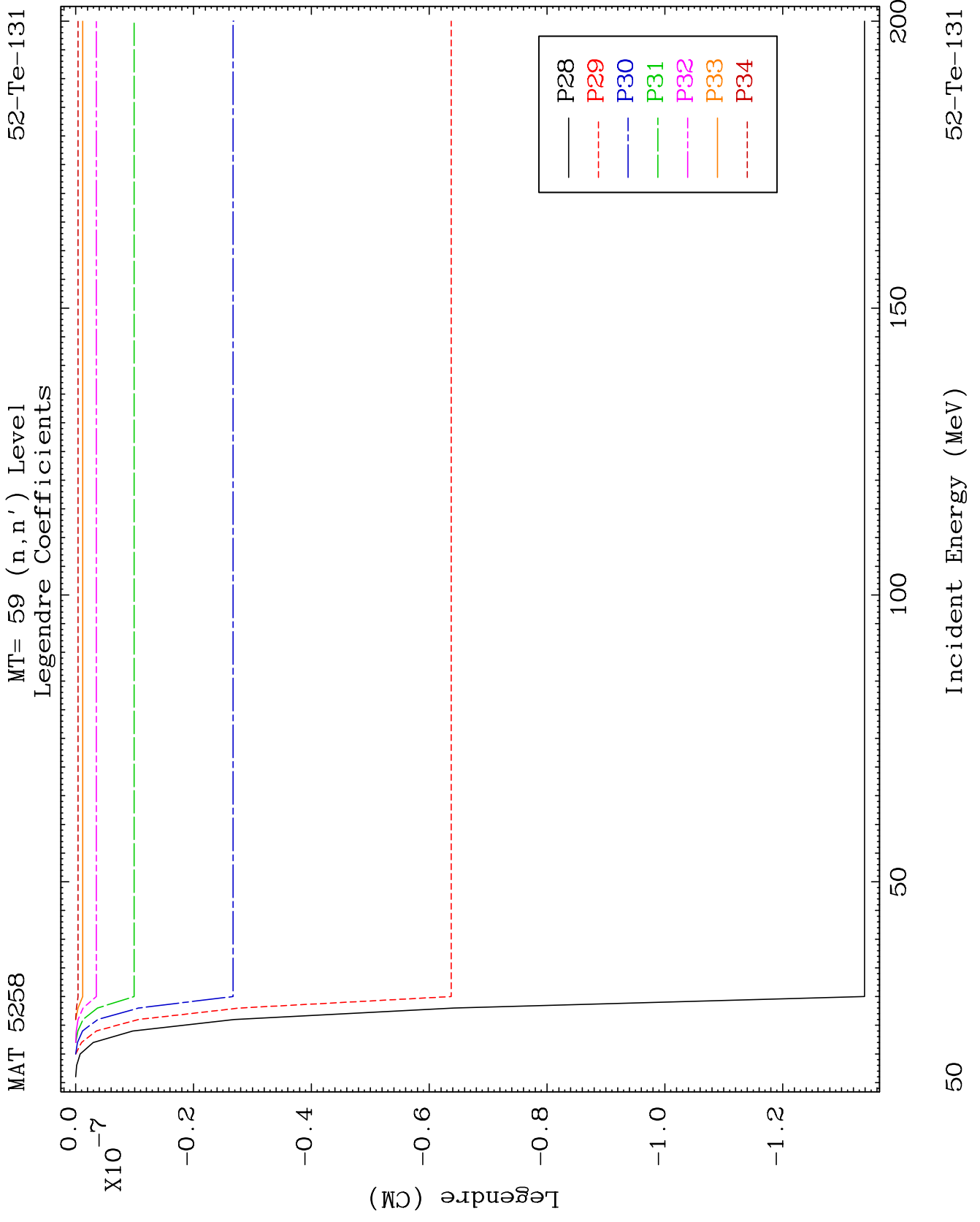
52-Te-131

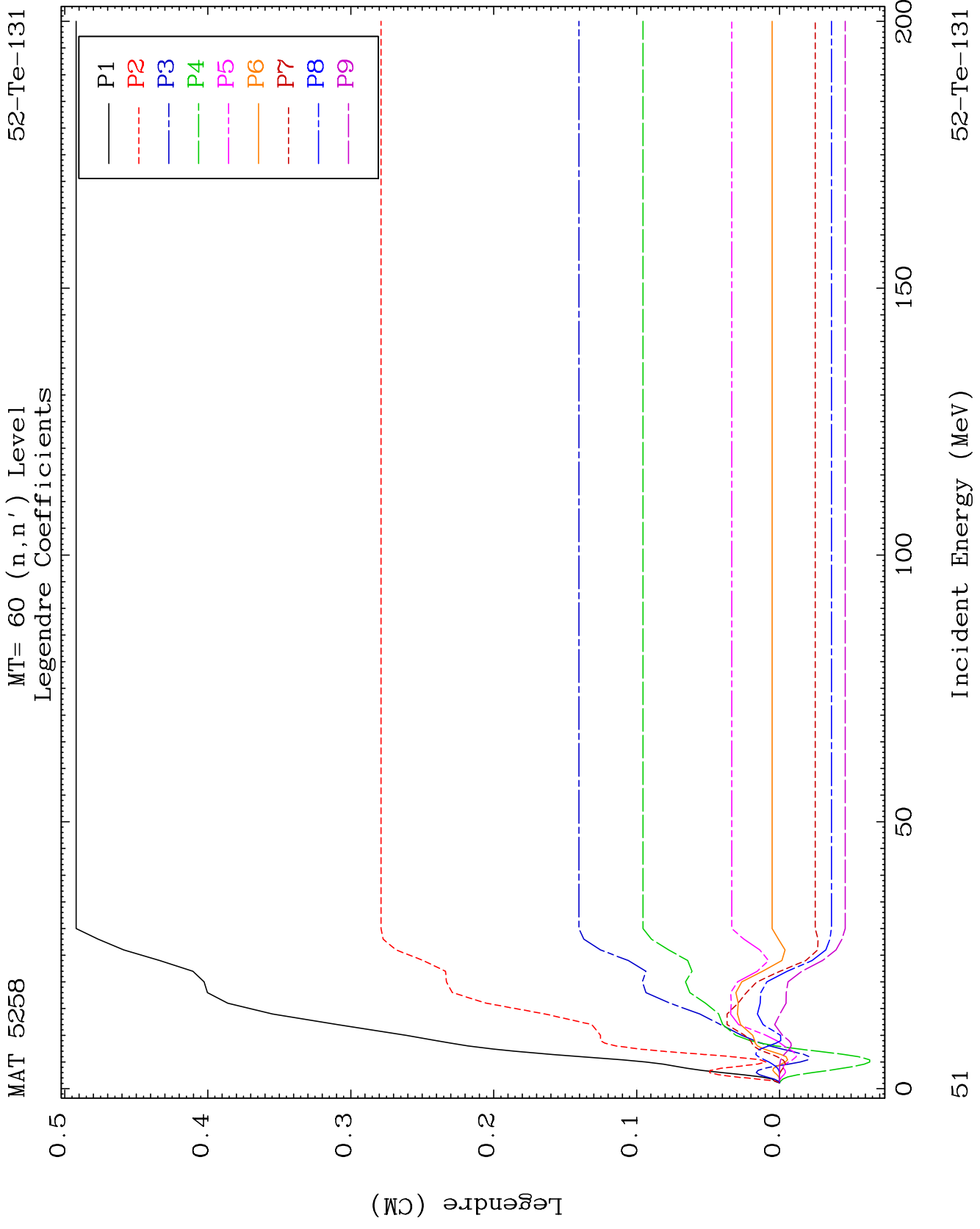


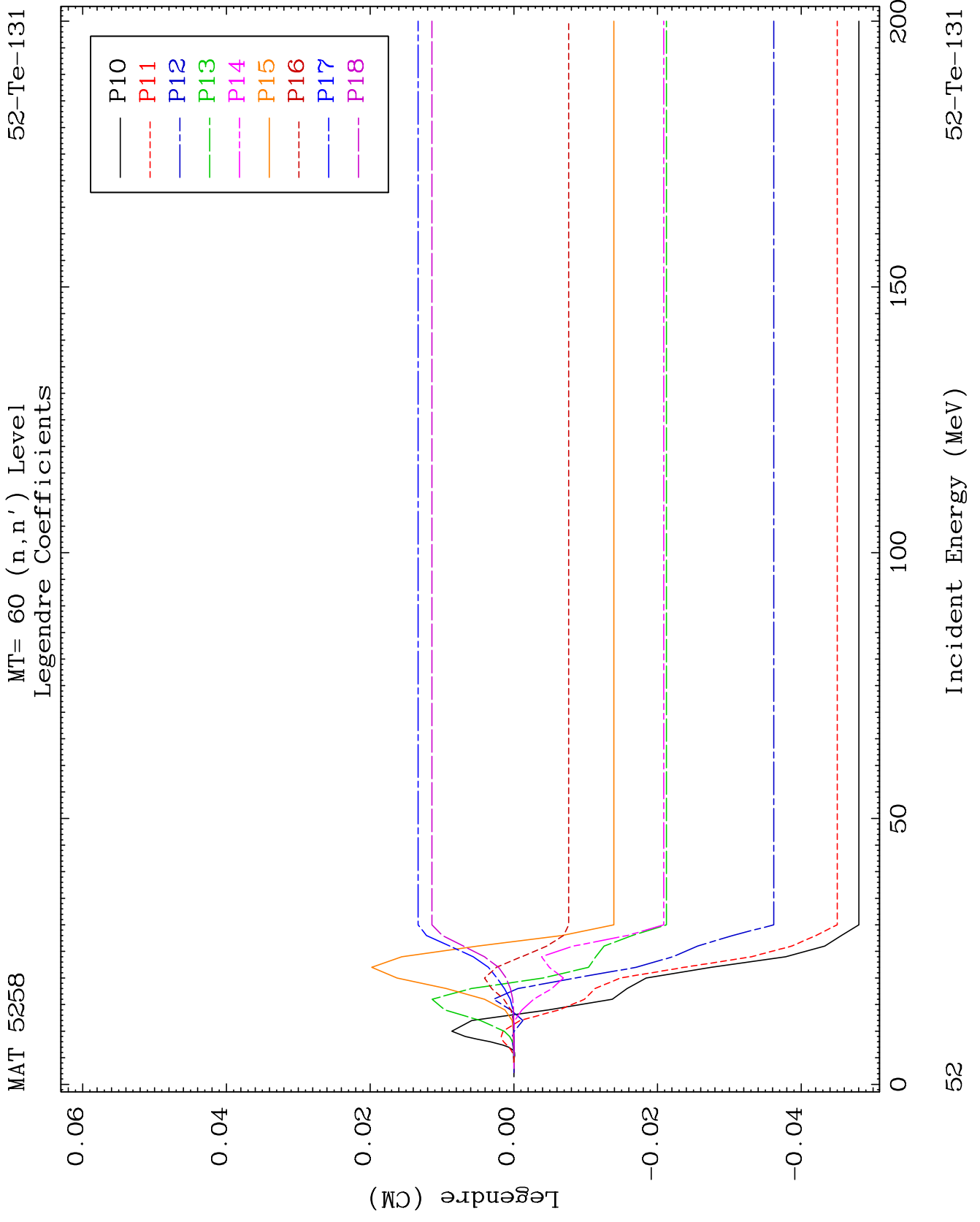
49

Incident Energy (MeV)

52-Te-131



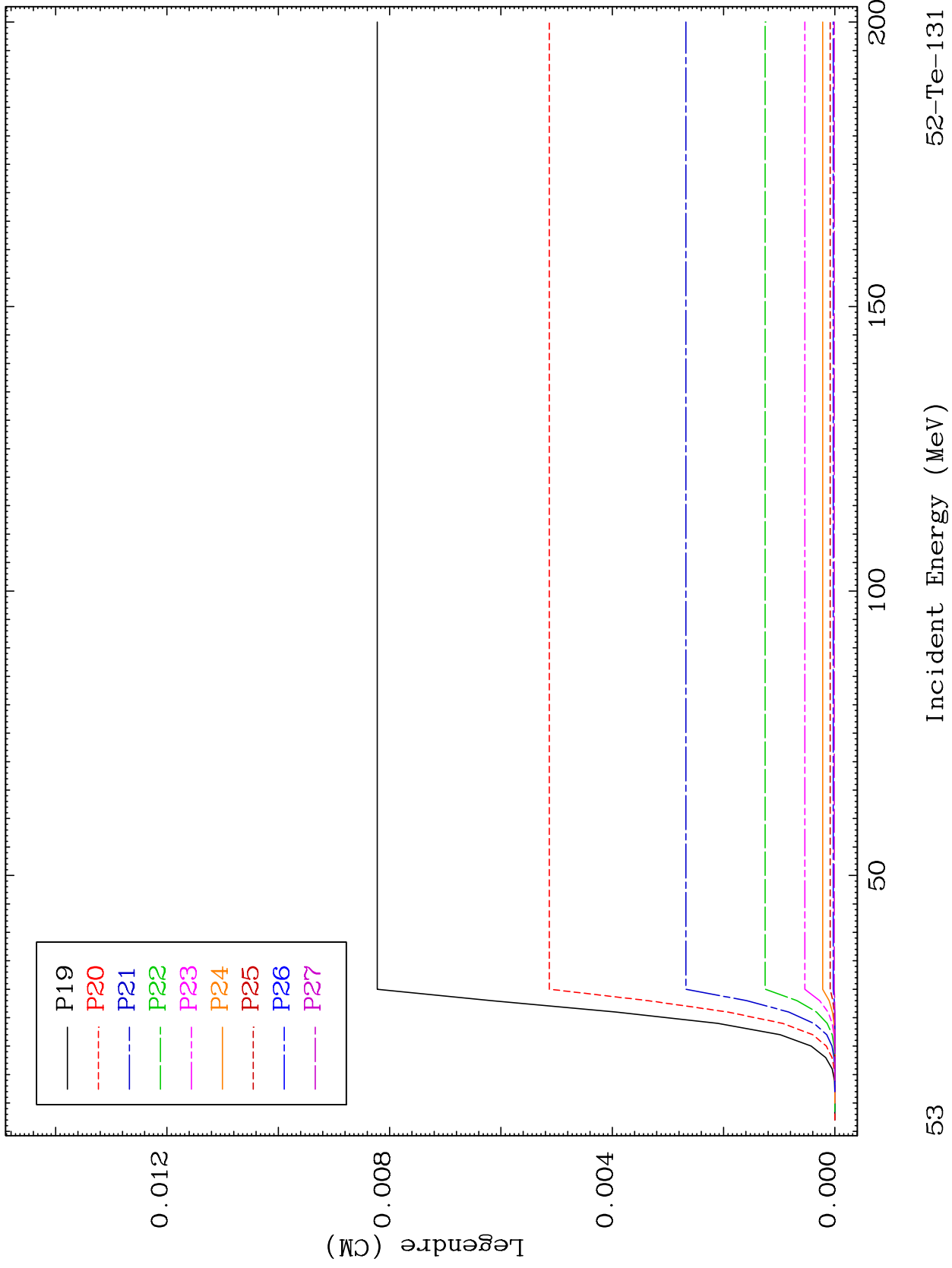




MAT 5258

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

52-Te-131



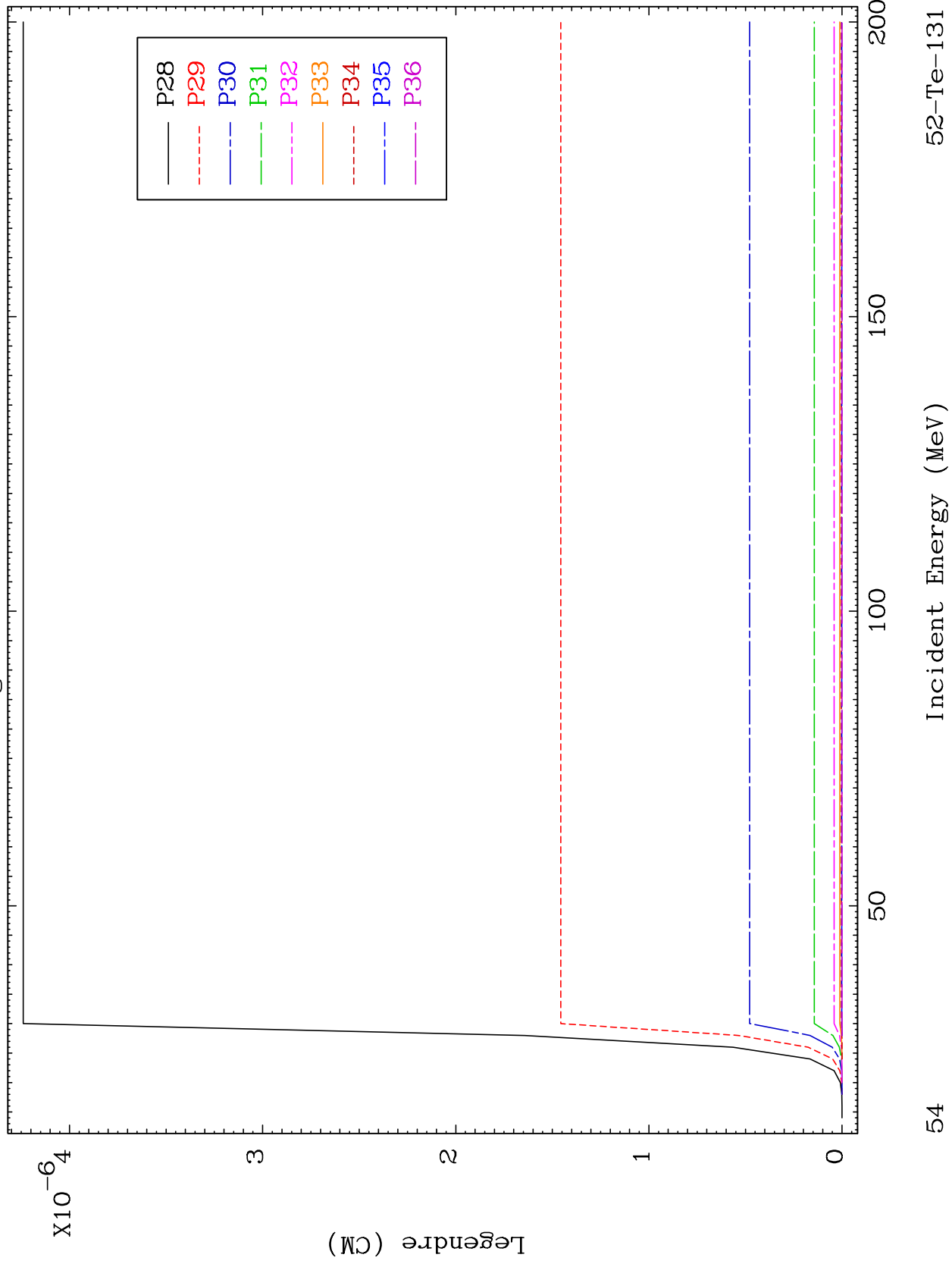
53

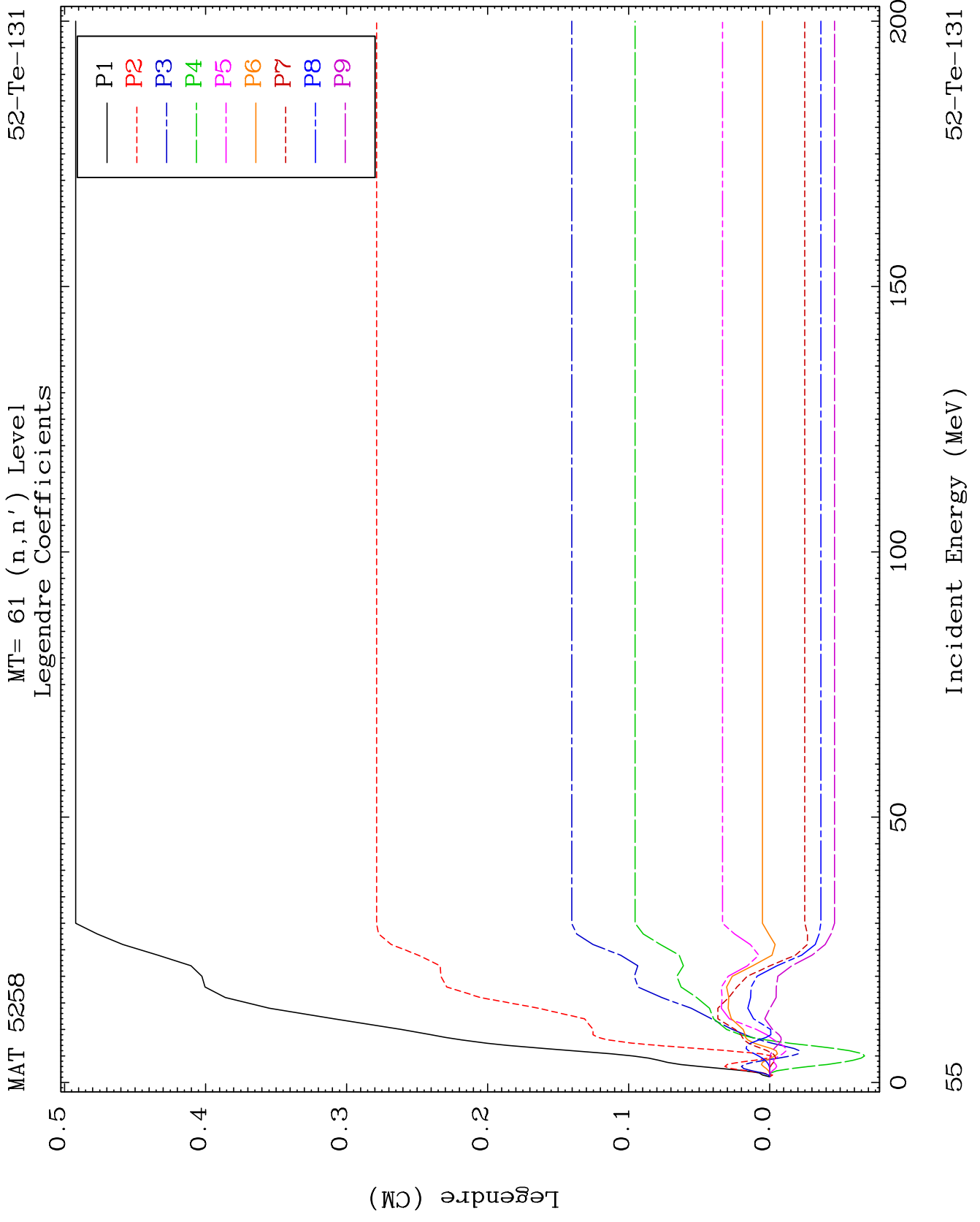
52-Te-131

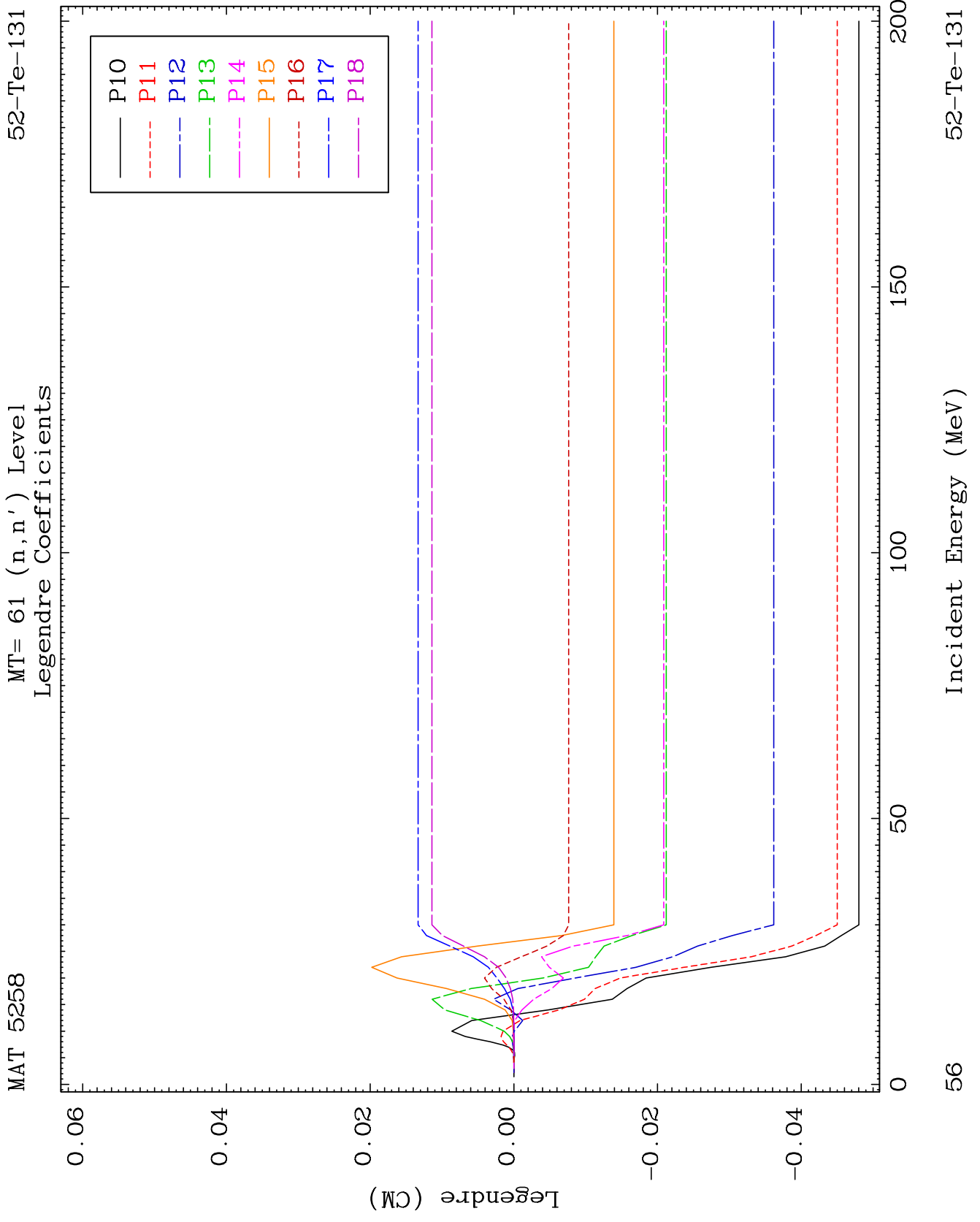
MAT 5258

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

52-Te-131



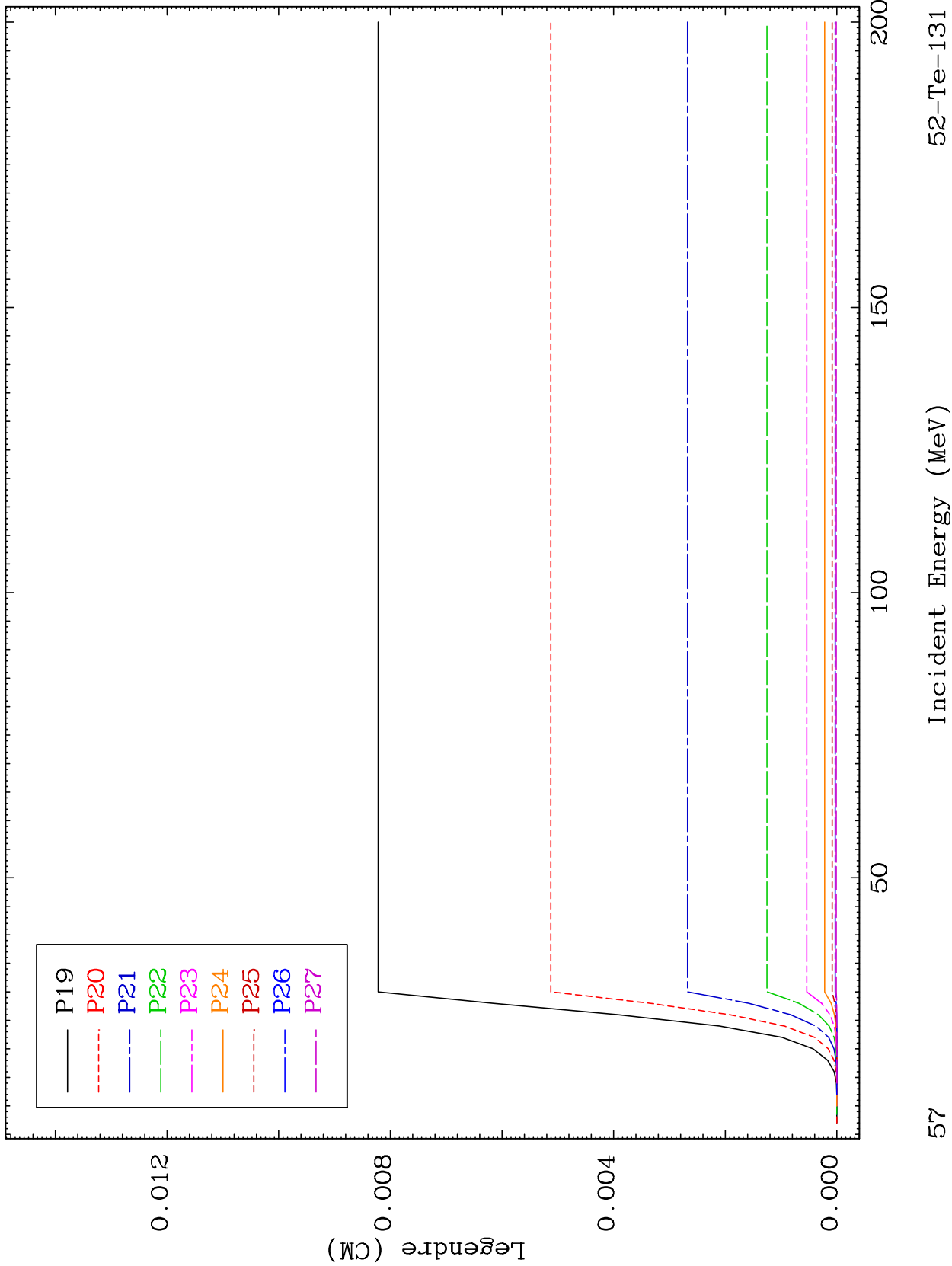




MAT 5258

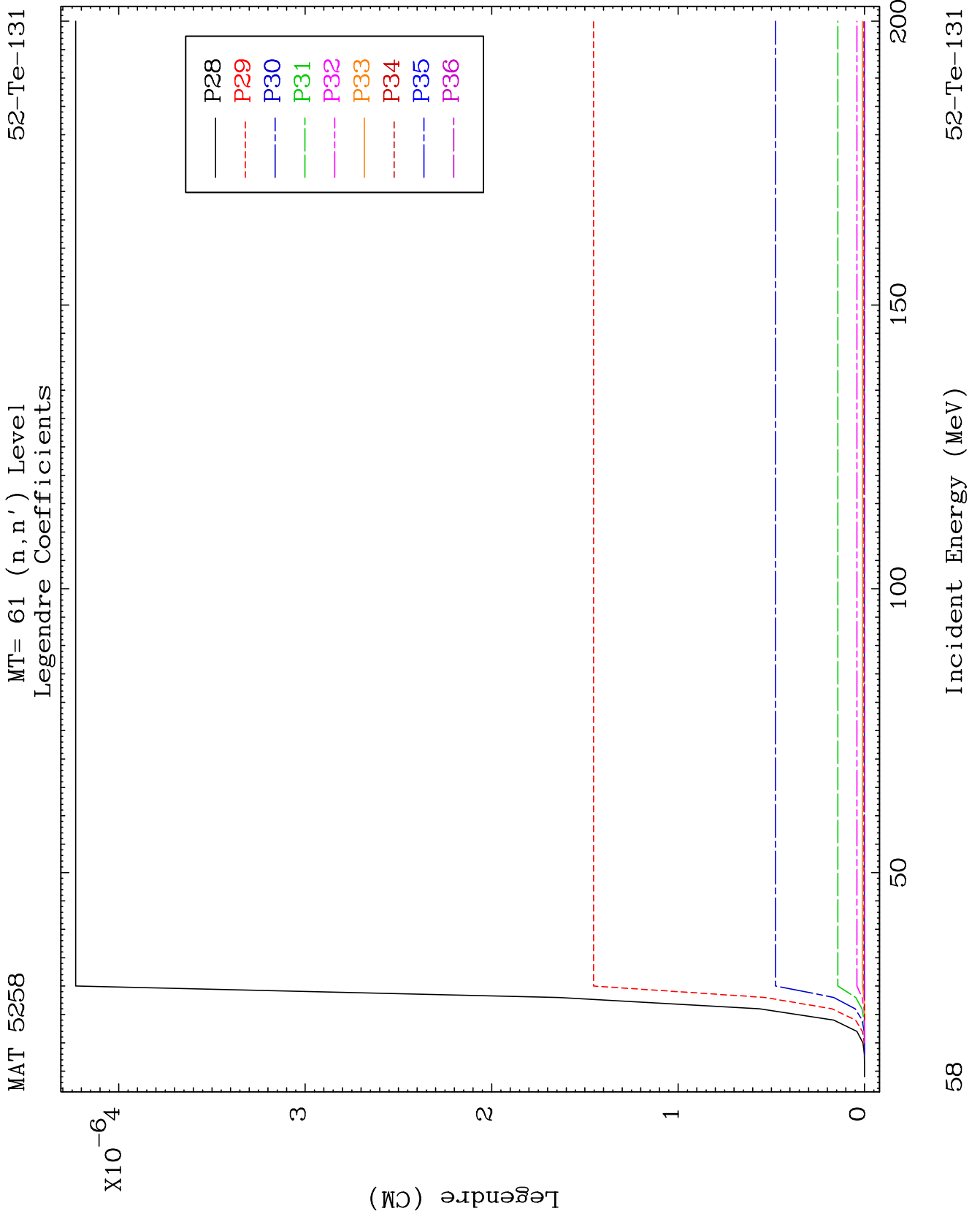
MT= 61 (n,n') Level
Legendre Coefficients

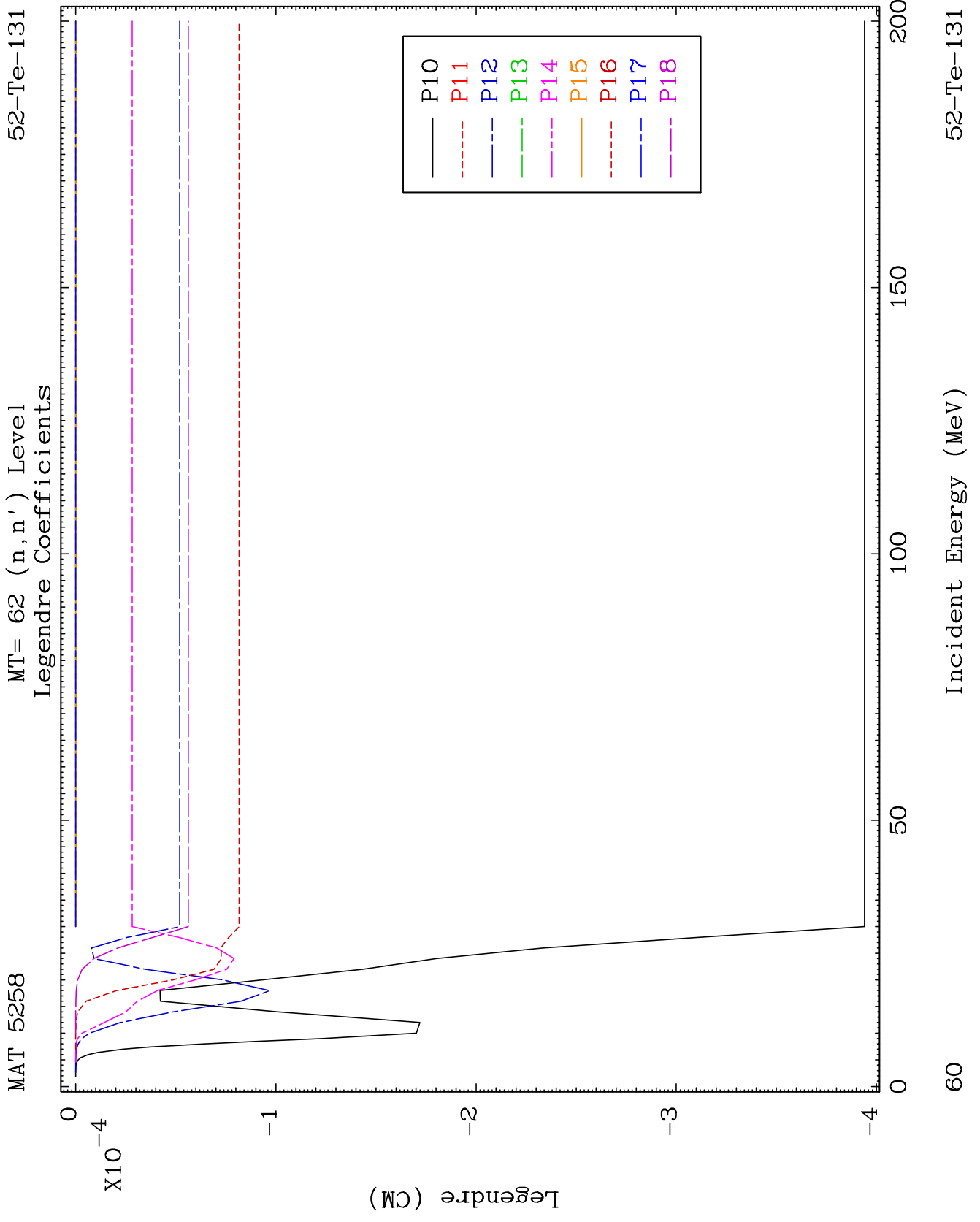
52-Te-131

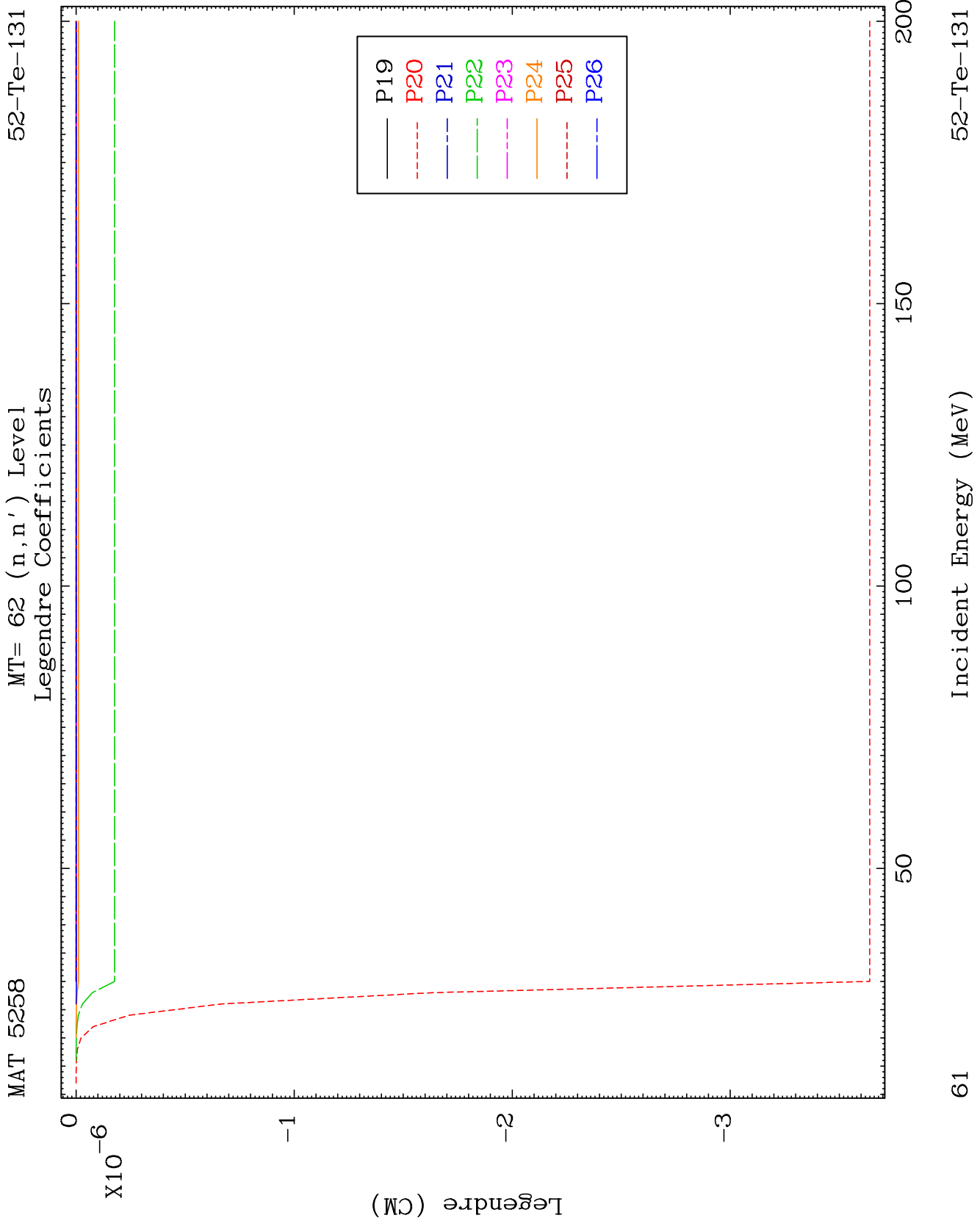


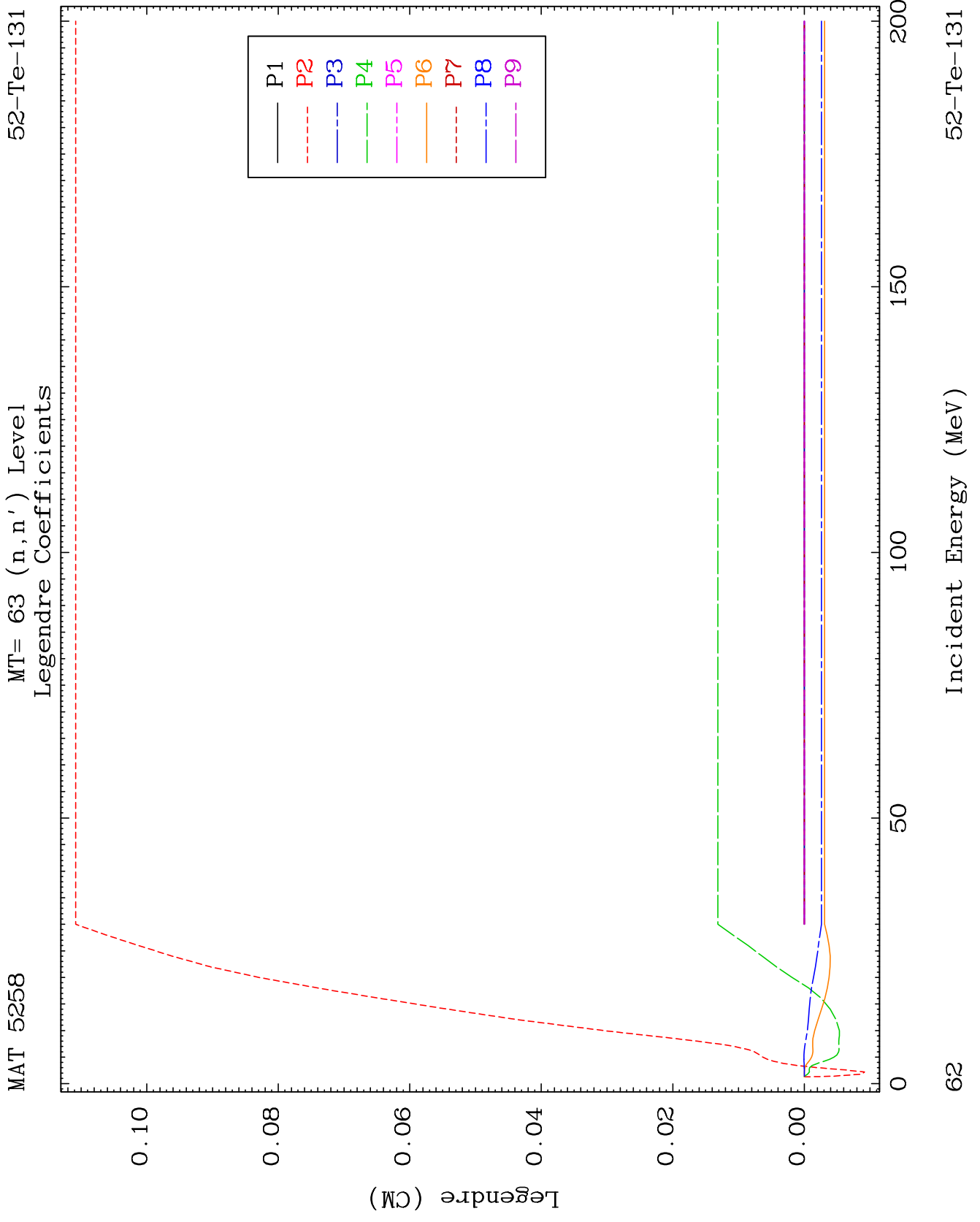
57

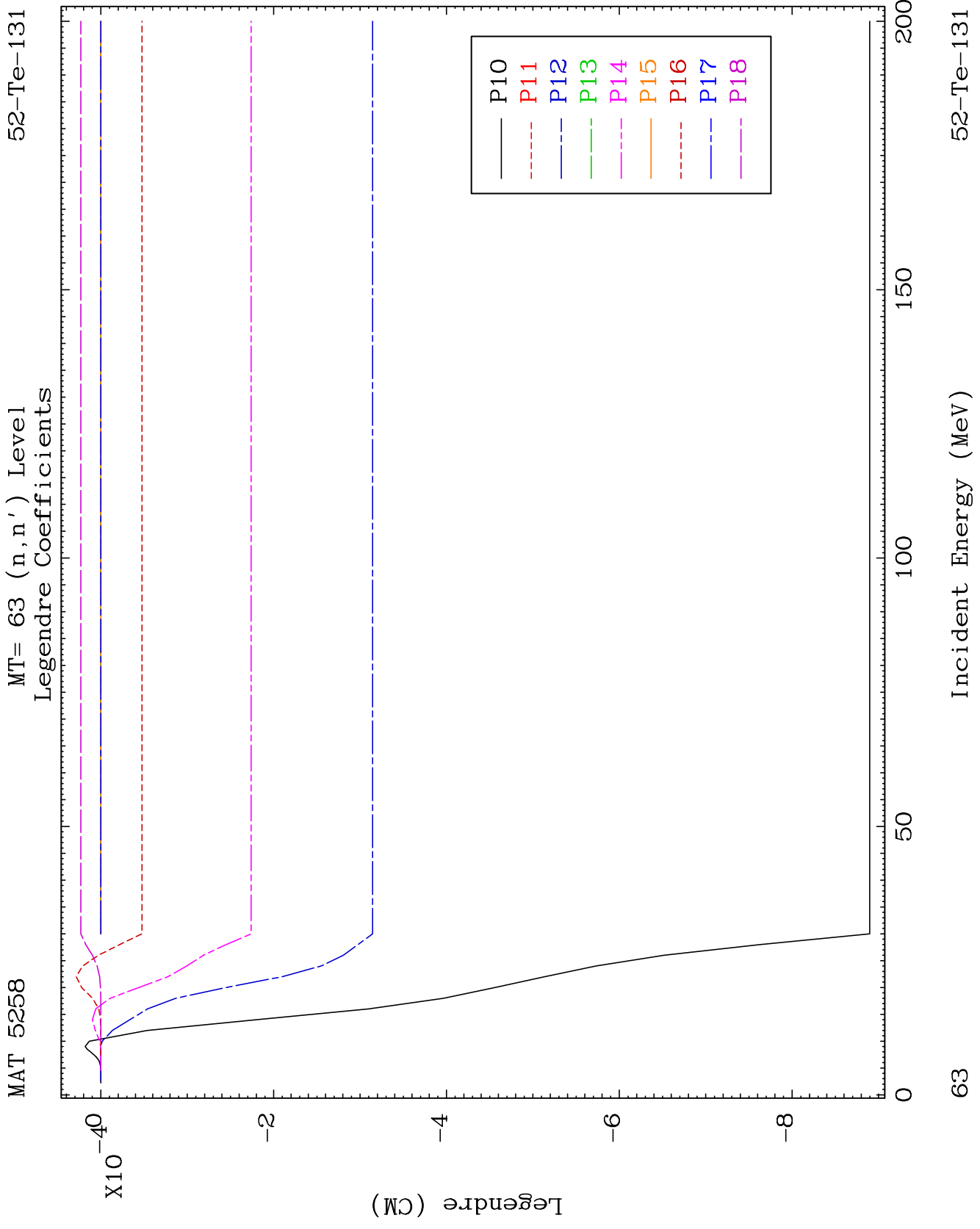
52-Te-131

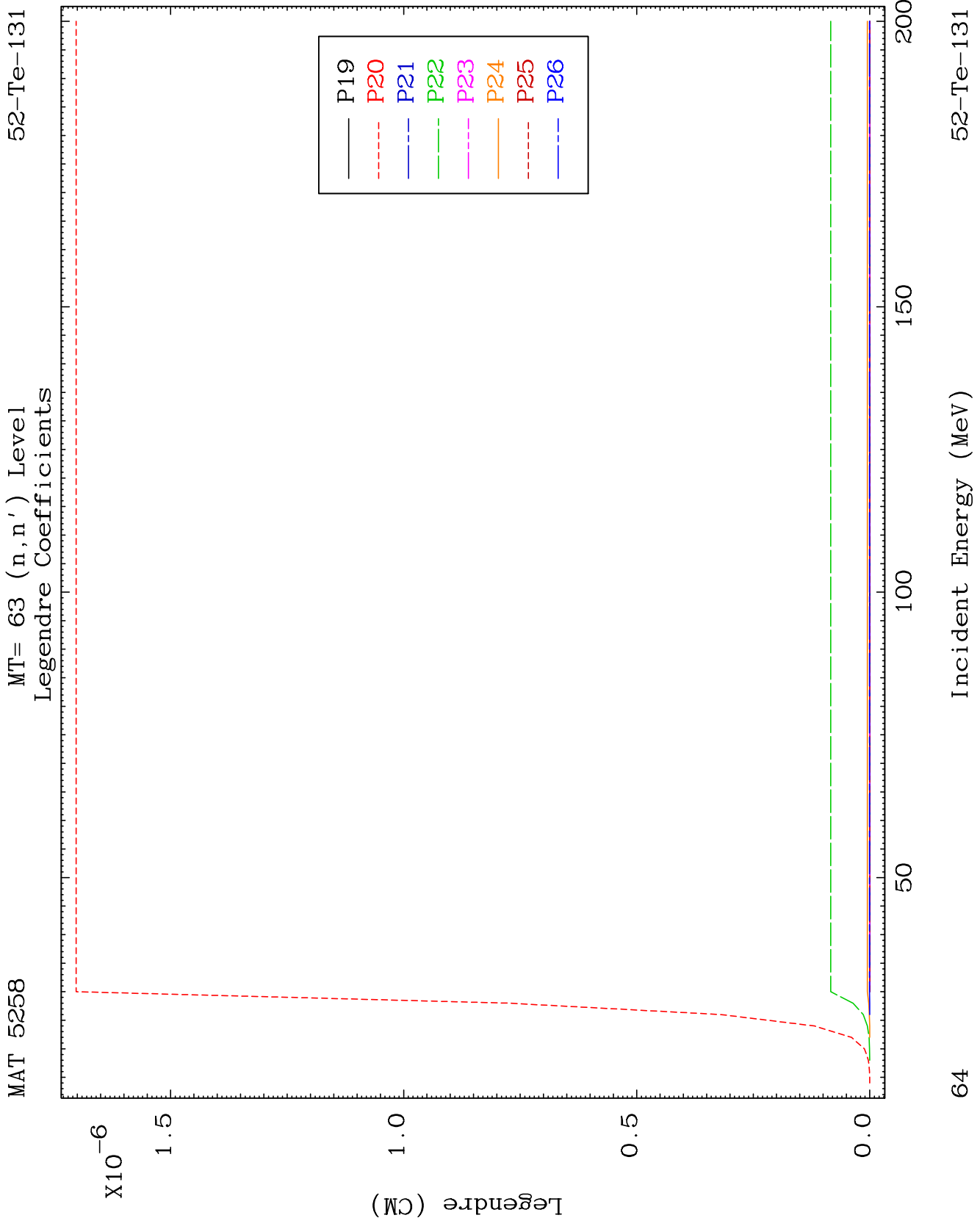


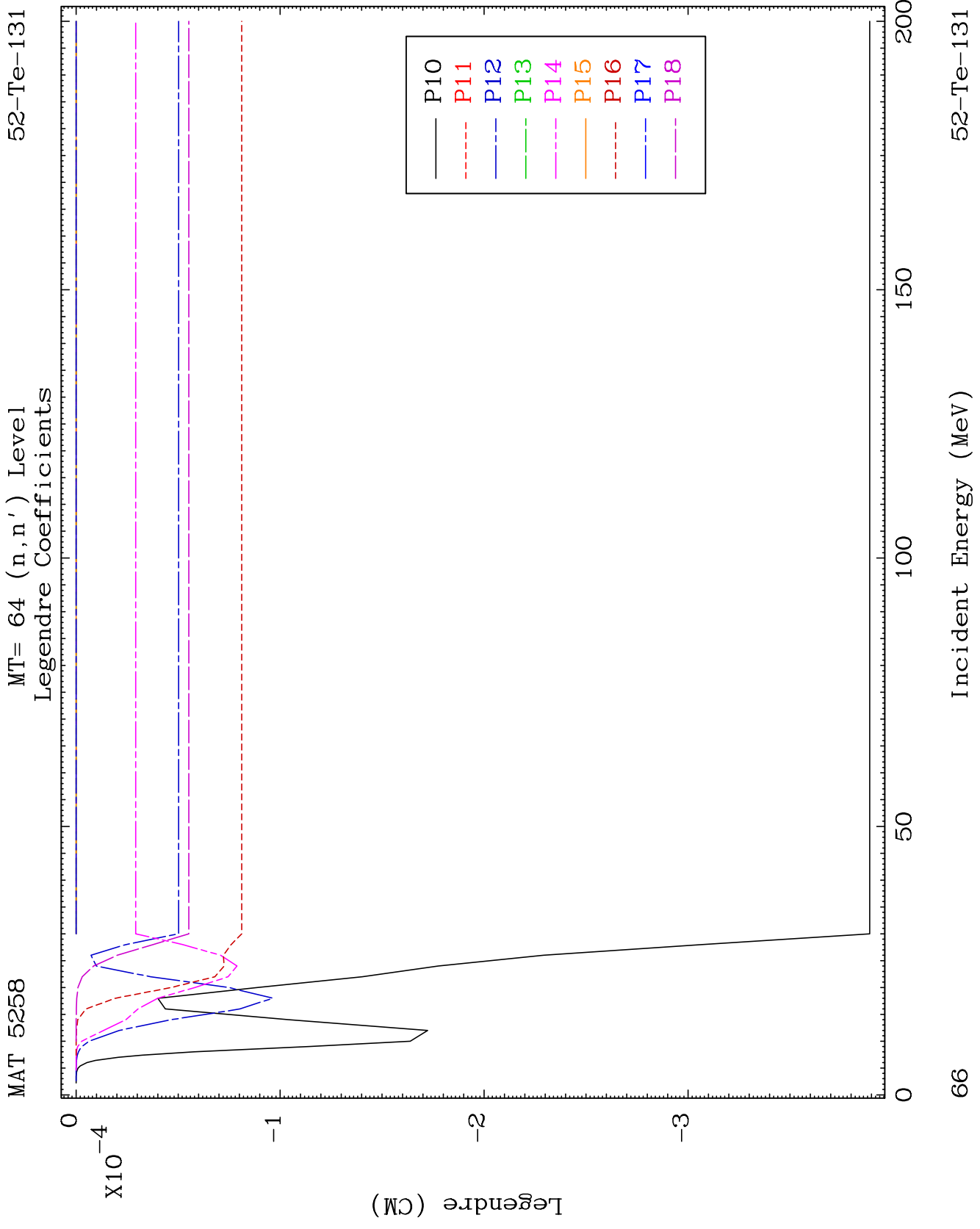


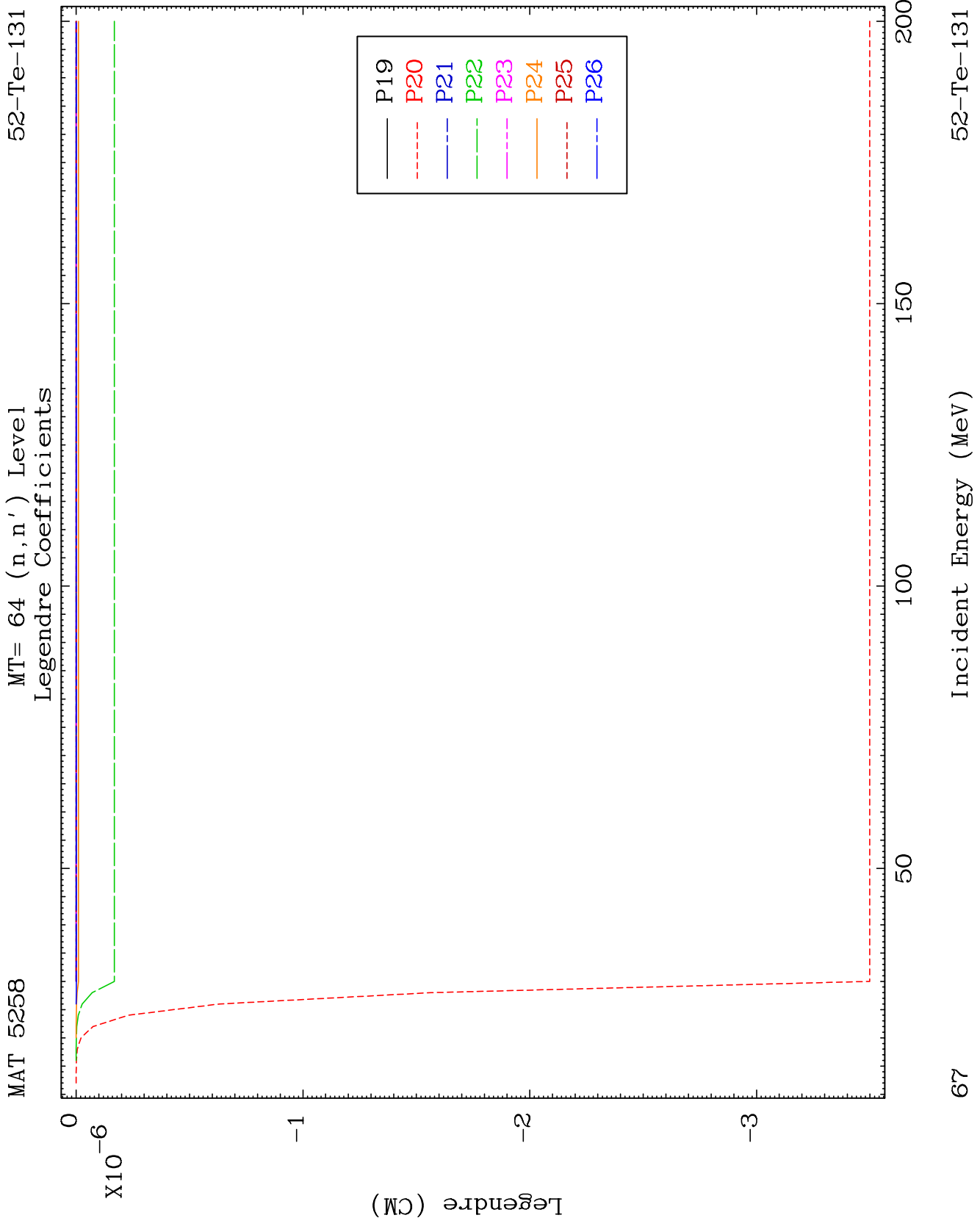








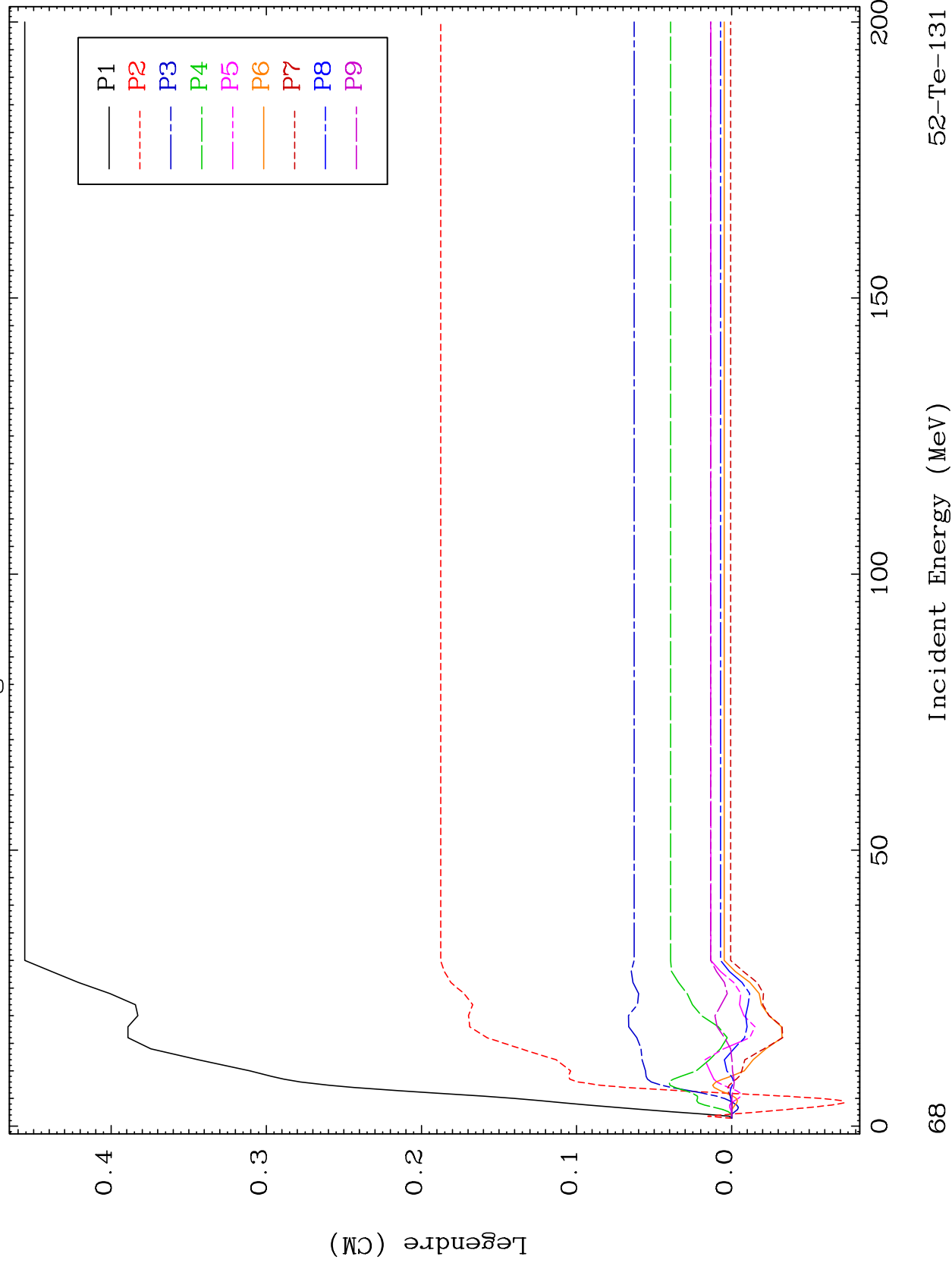




MAT 5258

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

52-Te-131



52-Te-131

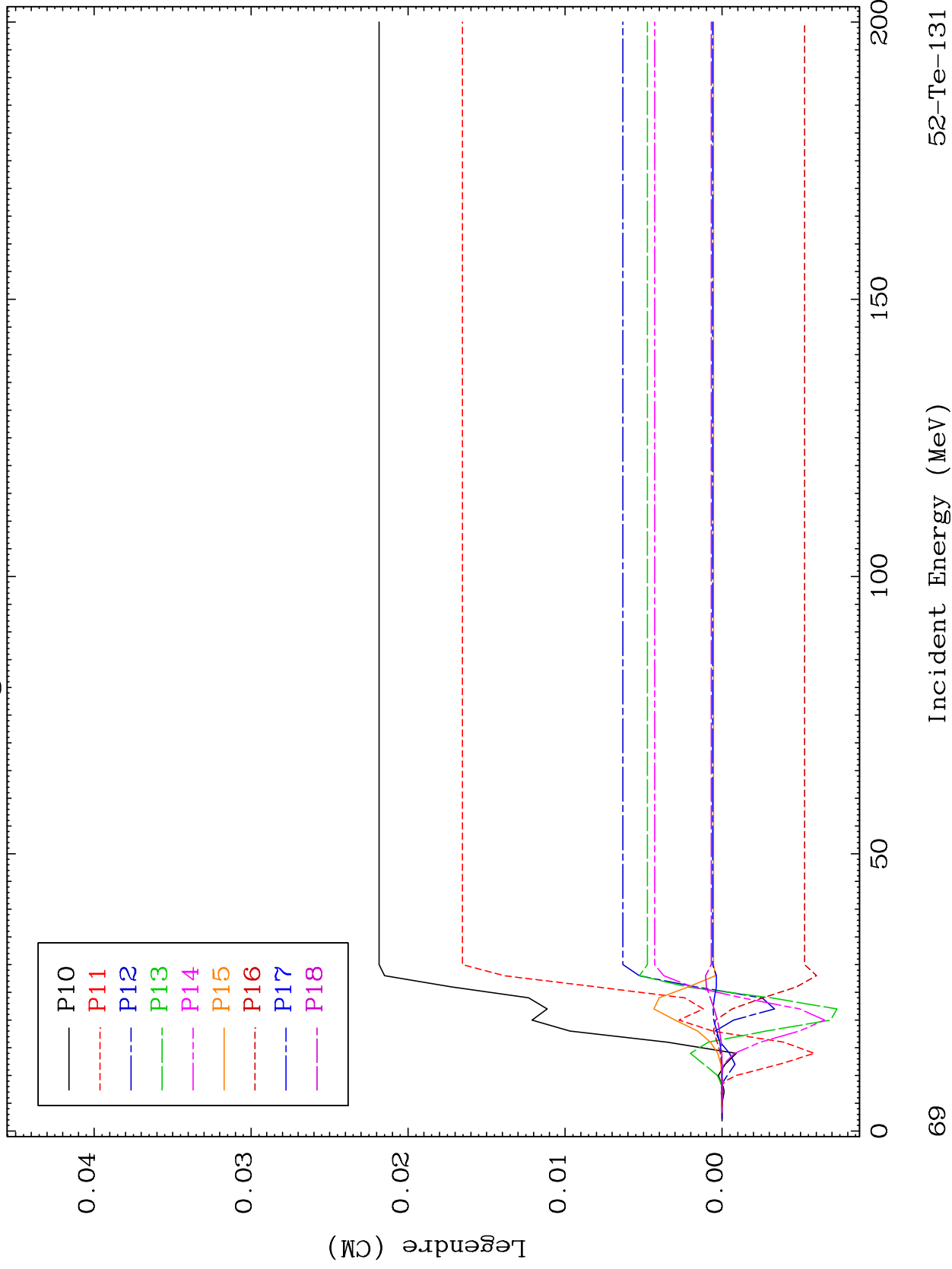
Incident Energy (MeV)

68

MAT 5258

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

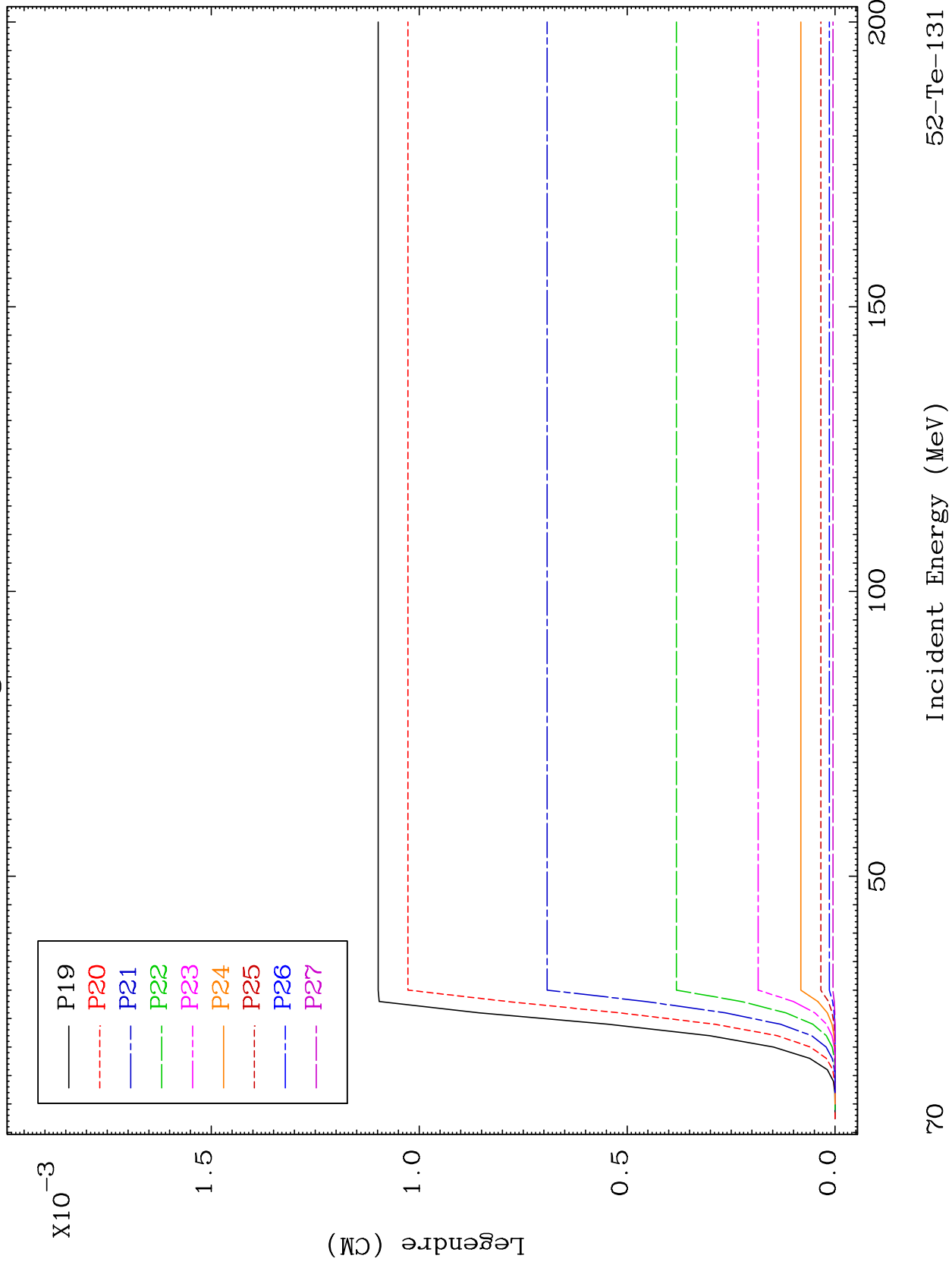
52-Te-131



MAT 5258

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

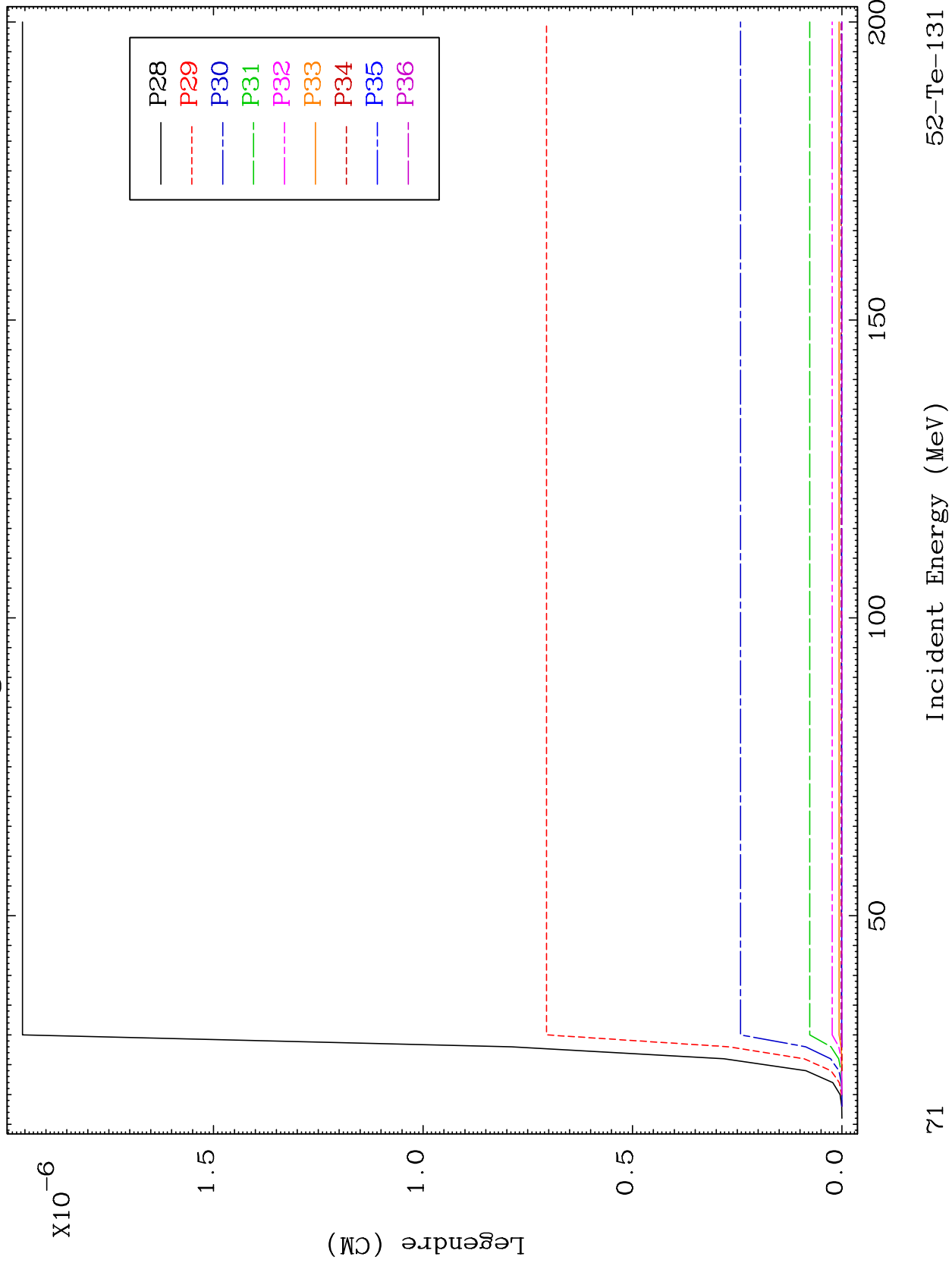
52-Te-131



MAT 5258

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

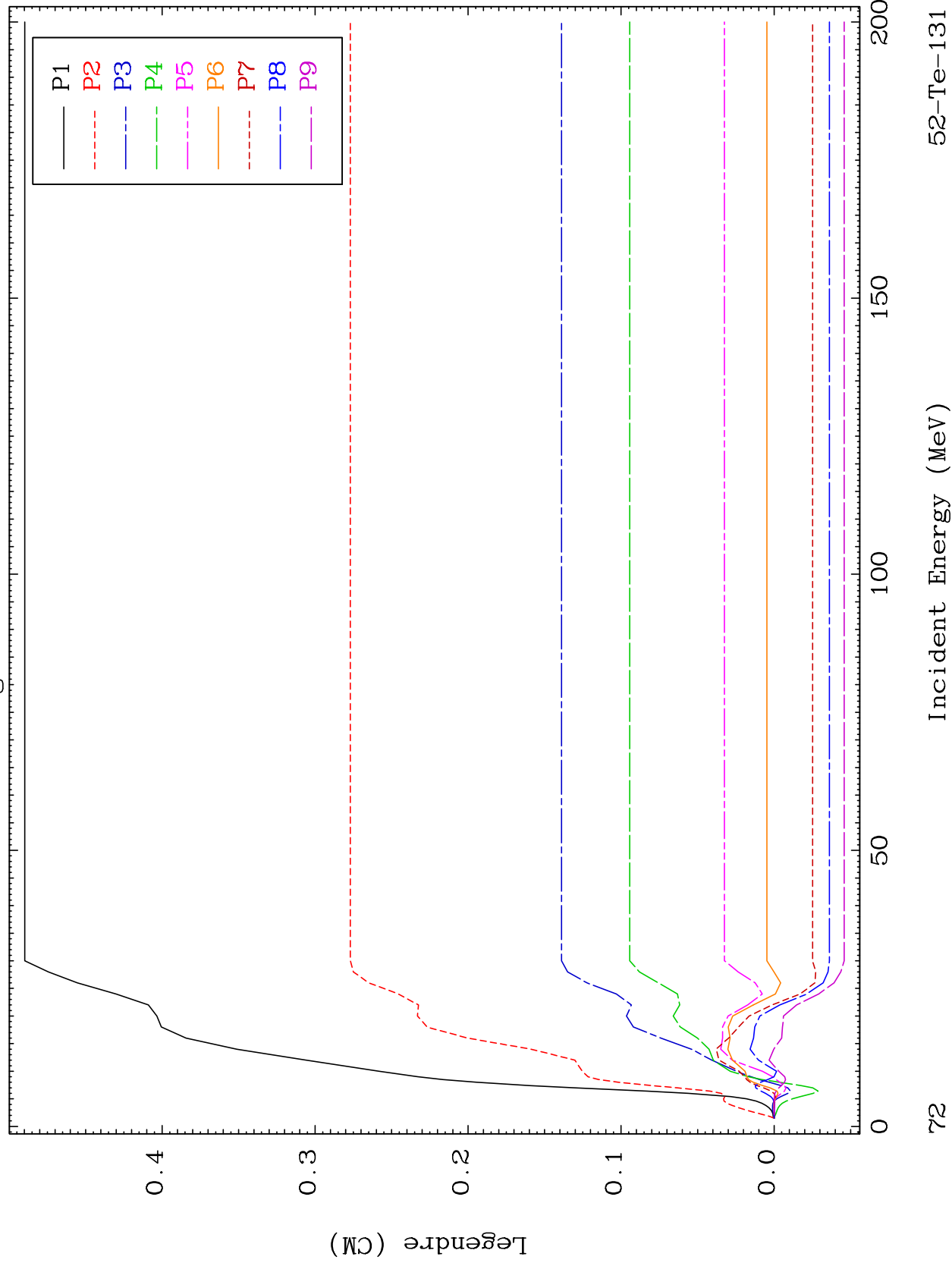
52-Te-131



MAT 5258

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

52-Te-131



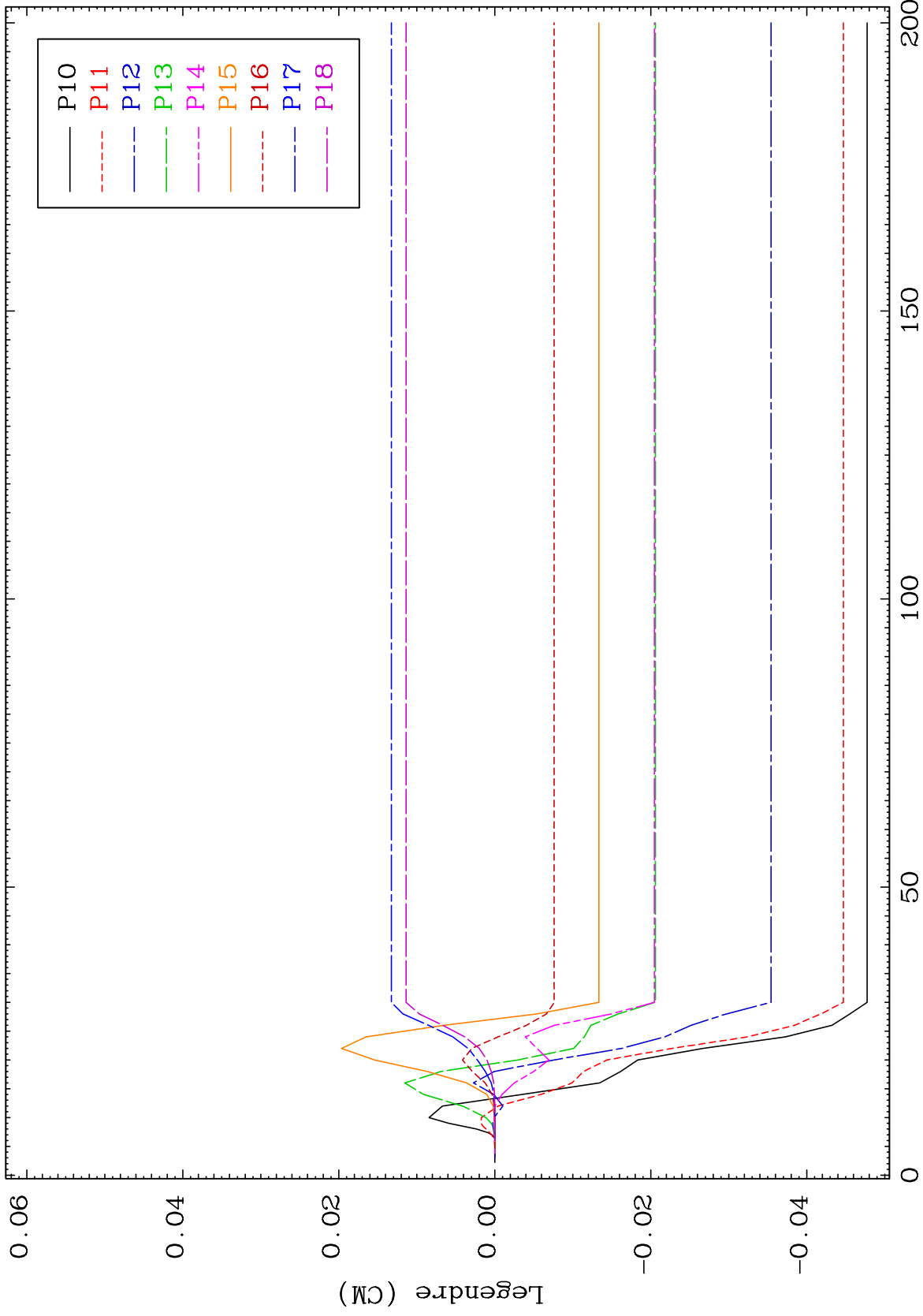
72

52-Te-131

MAT 5258

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

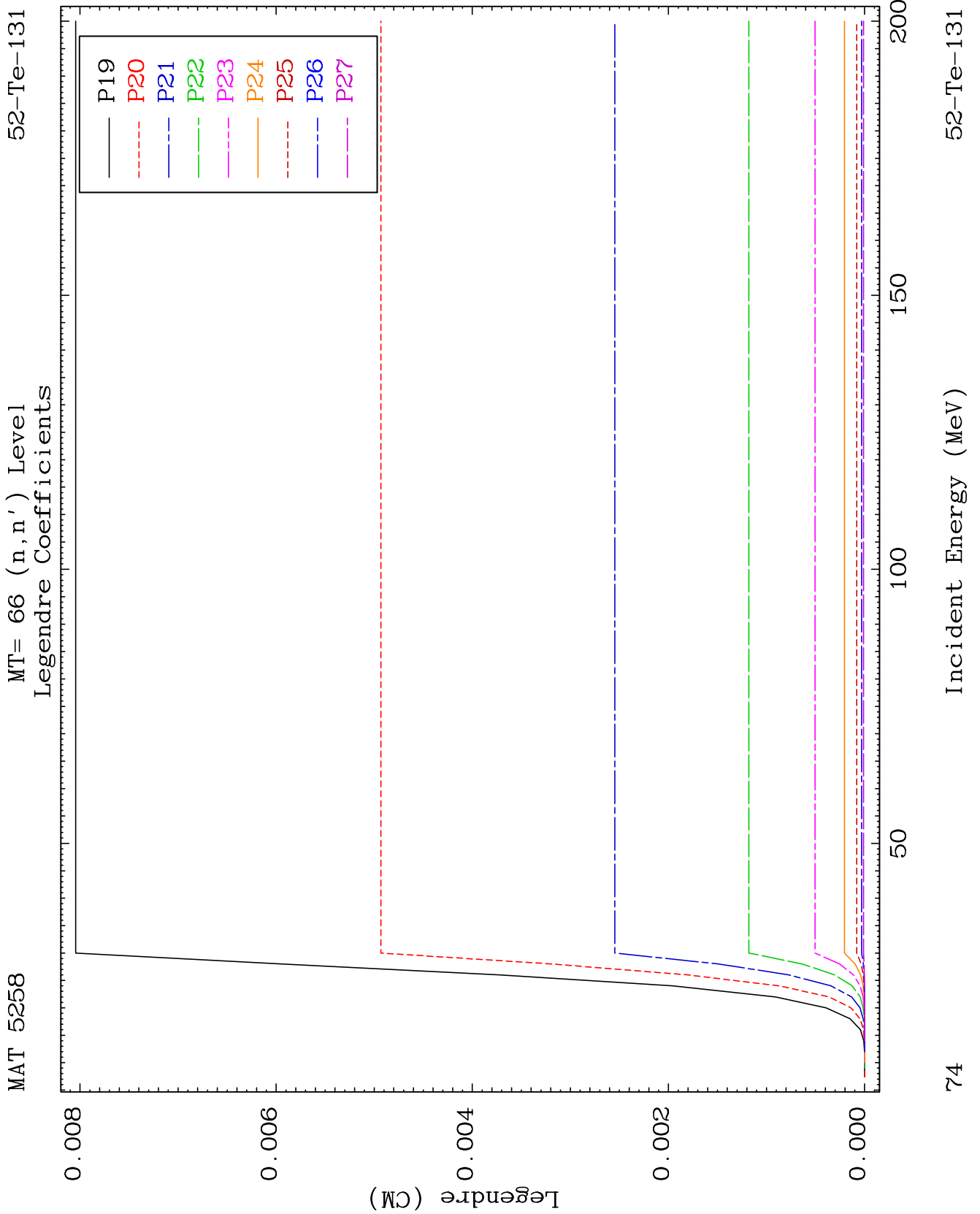
52-Te-131



73

Incident Energy (MeV)

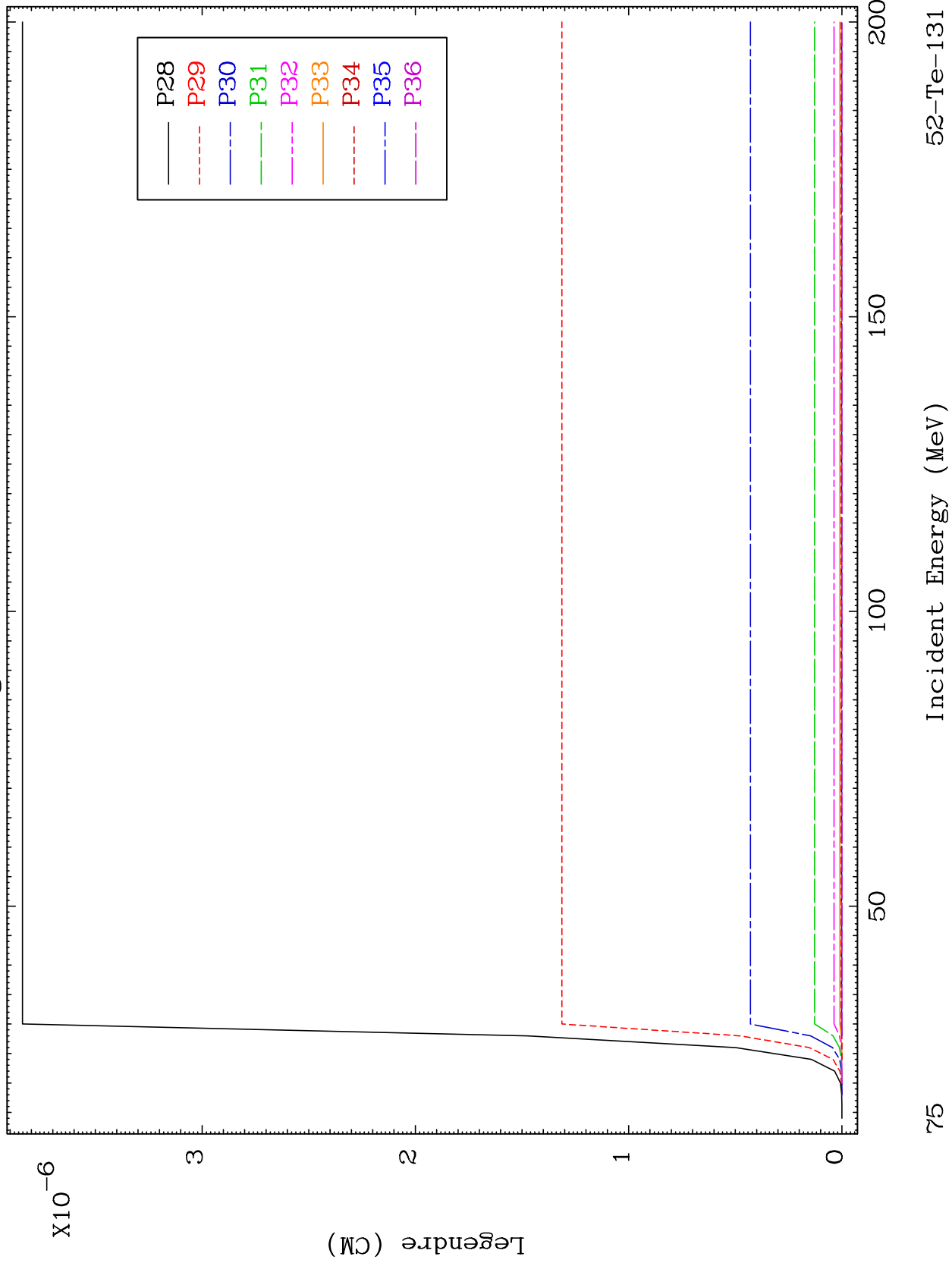
52-Te-131



MAT 5258

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

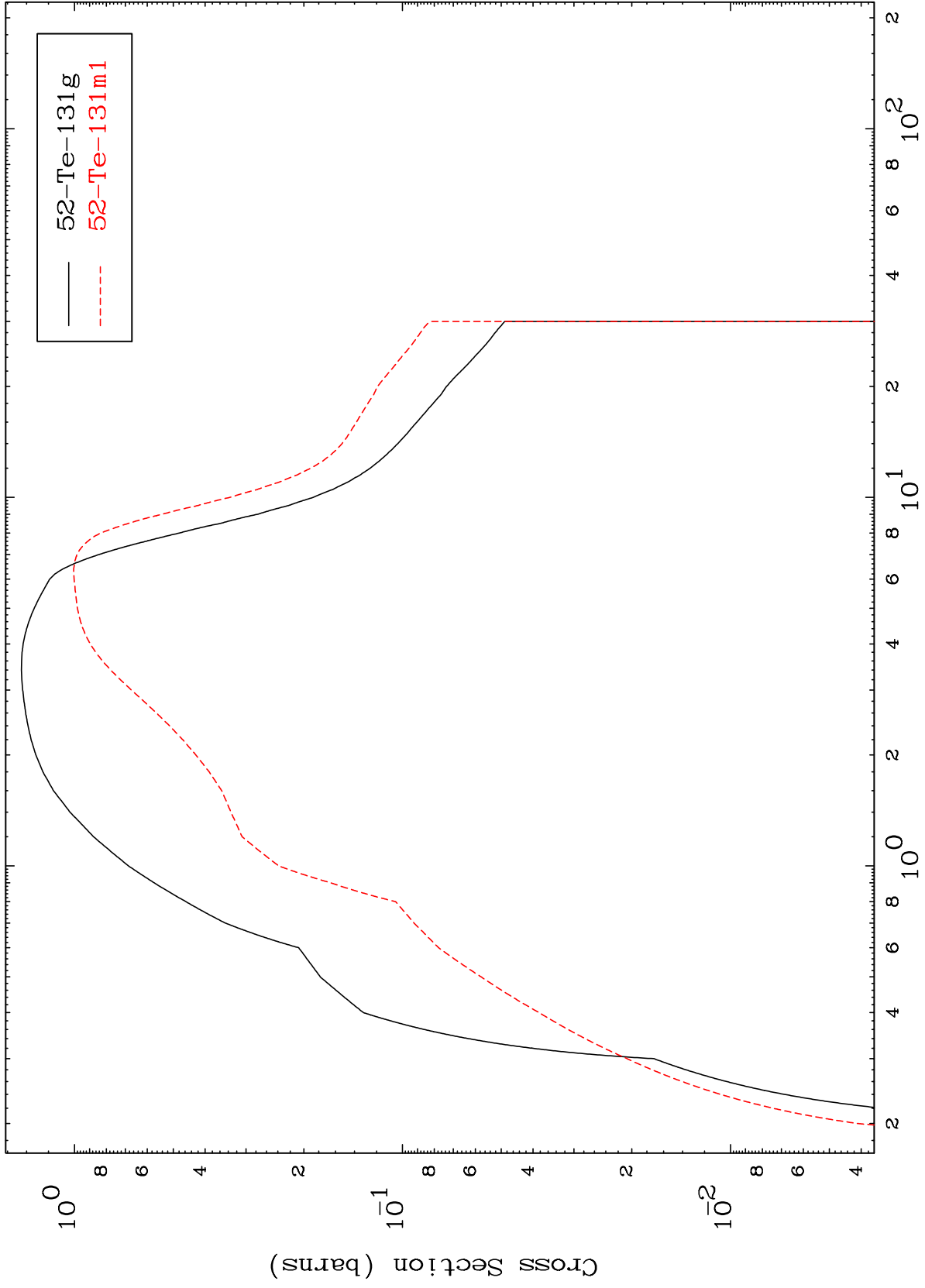
52-Te-131



MAT 5258

52-Te-131

Inelastic
Radionuclide Production Cross Section



76

52-Te-131

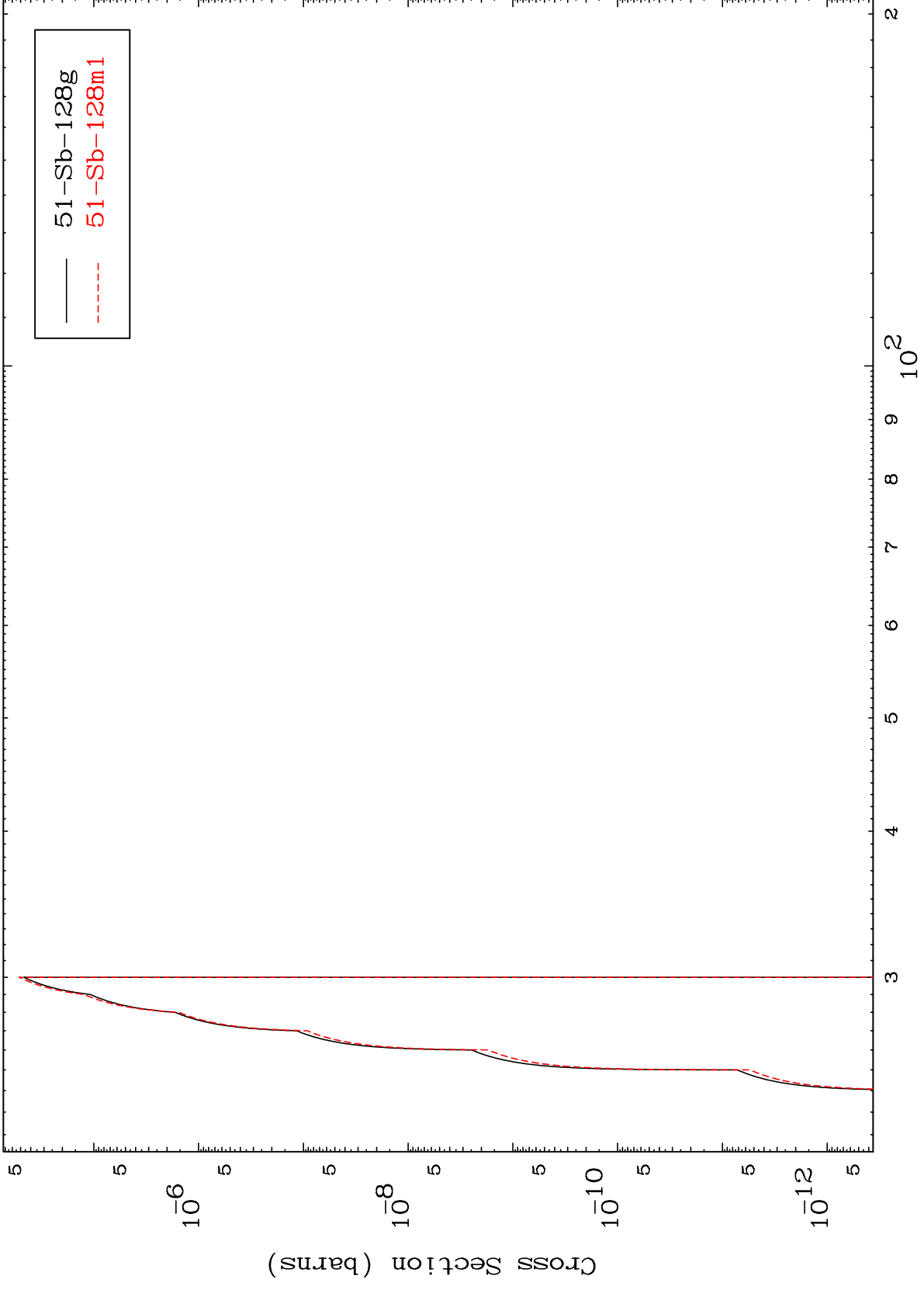
Incident Energy (MeV)

MAT 5258

(n,2n) d

52-Te-131

Radionuclide Production Cross Section

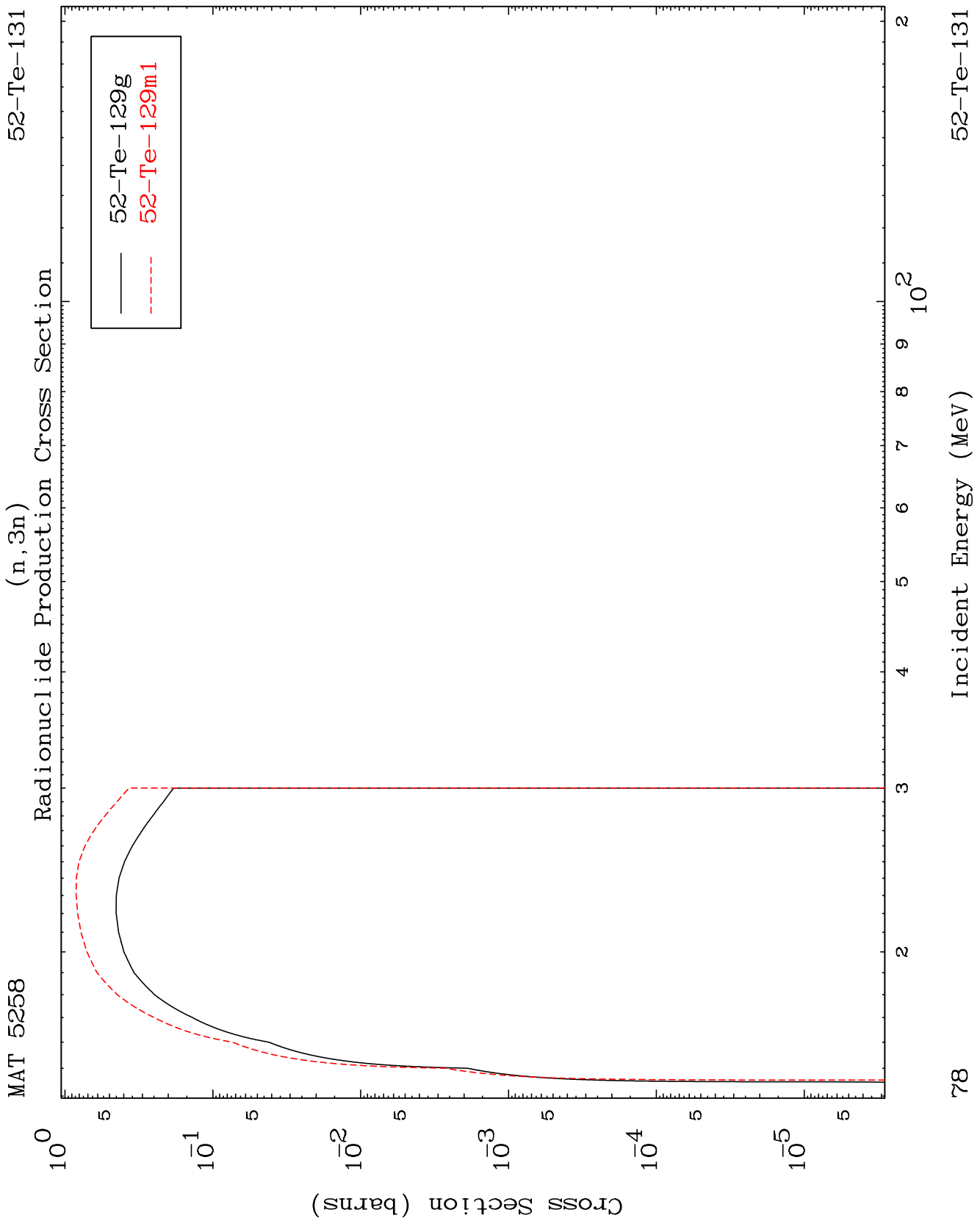


51-Sb-128g
51-Sb-128m1

77

Incident Energy (MeV)

52-Te-131

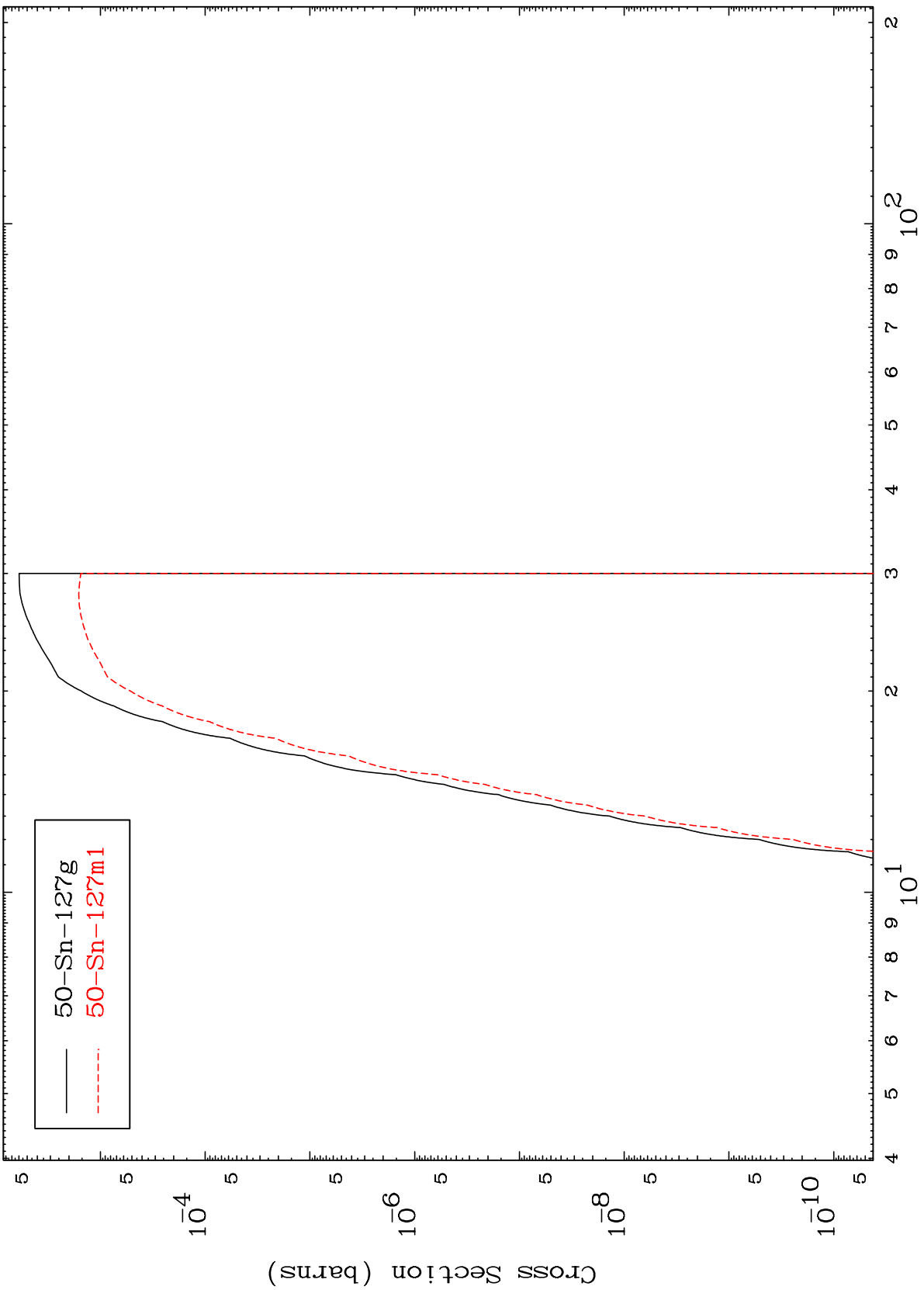


MAT 5258

(n,n') α

52-Te-131

Radionuclide Production Cross Section



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

79

Incident Energy (MeV)

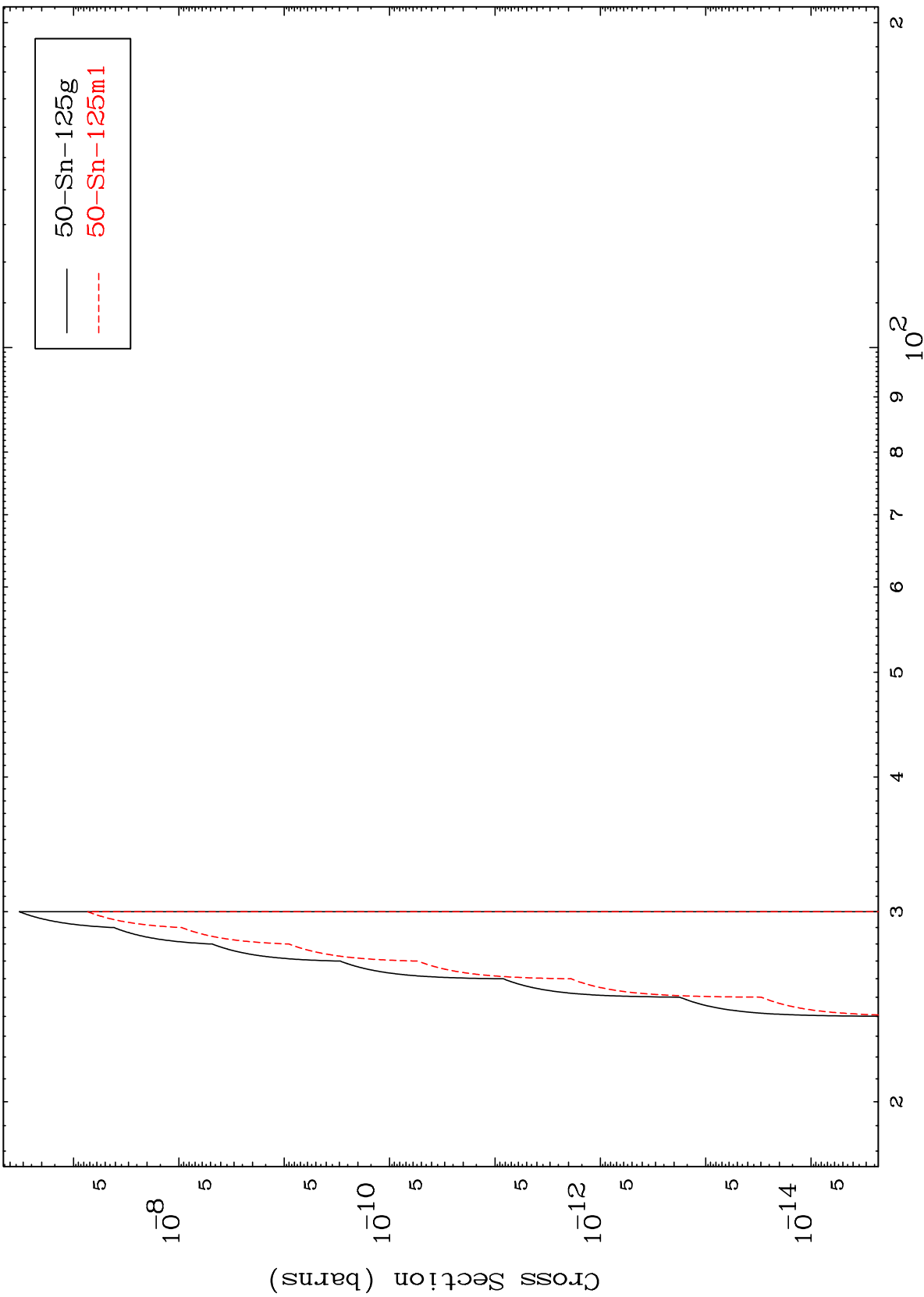
52-Te-131

MAT 5258

(n,3n) α

52-Te-131

Radionuclide Production Cross Section



50-Sn-125g
50-Sn-125m1

80

Incident Energy (MeV)

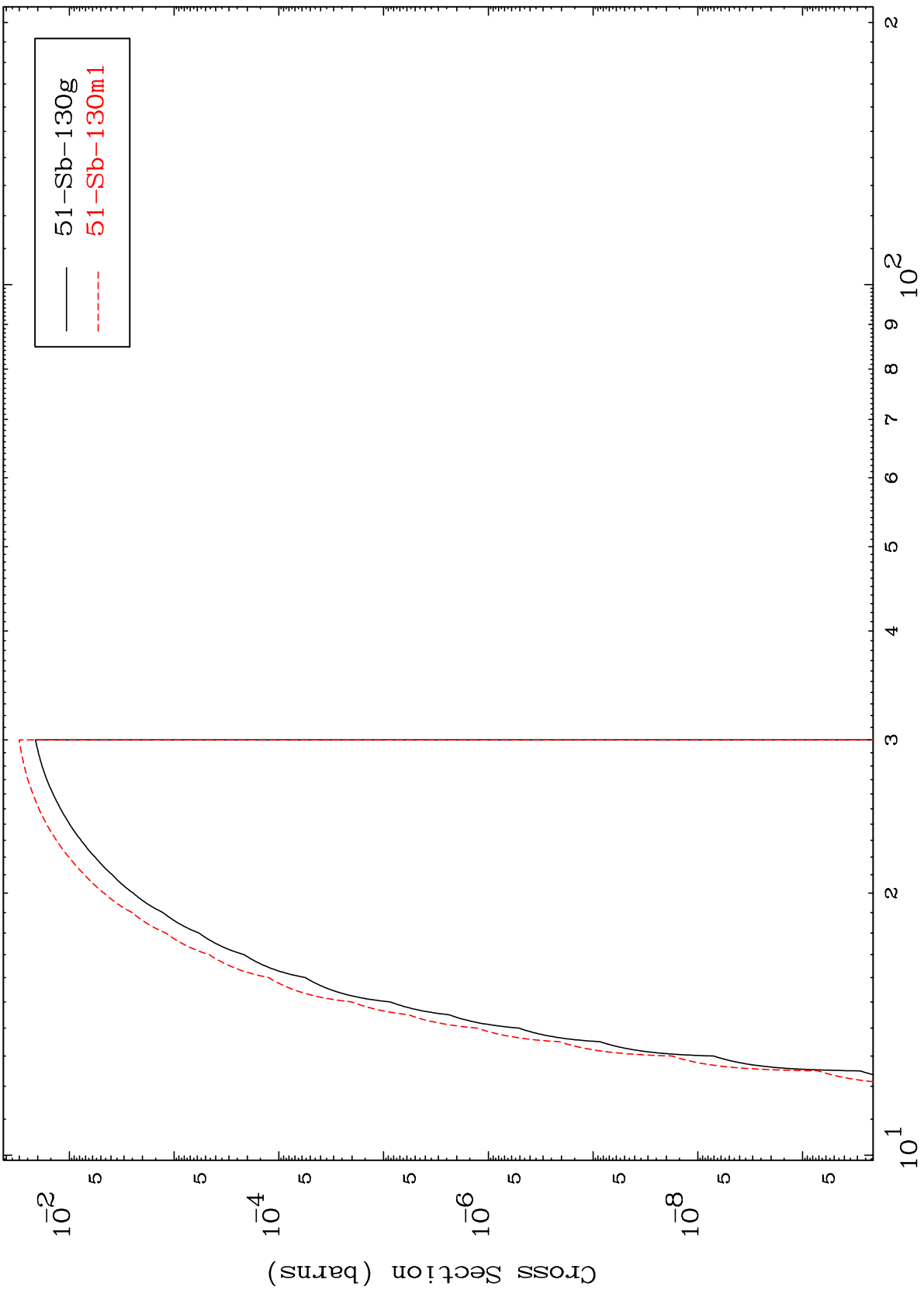
52-Te-131

MAT 5258

(n,n') p

52-Te-131

Radionuclide Production Cross Section



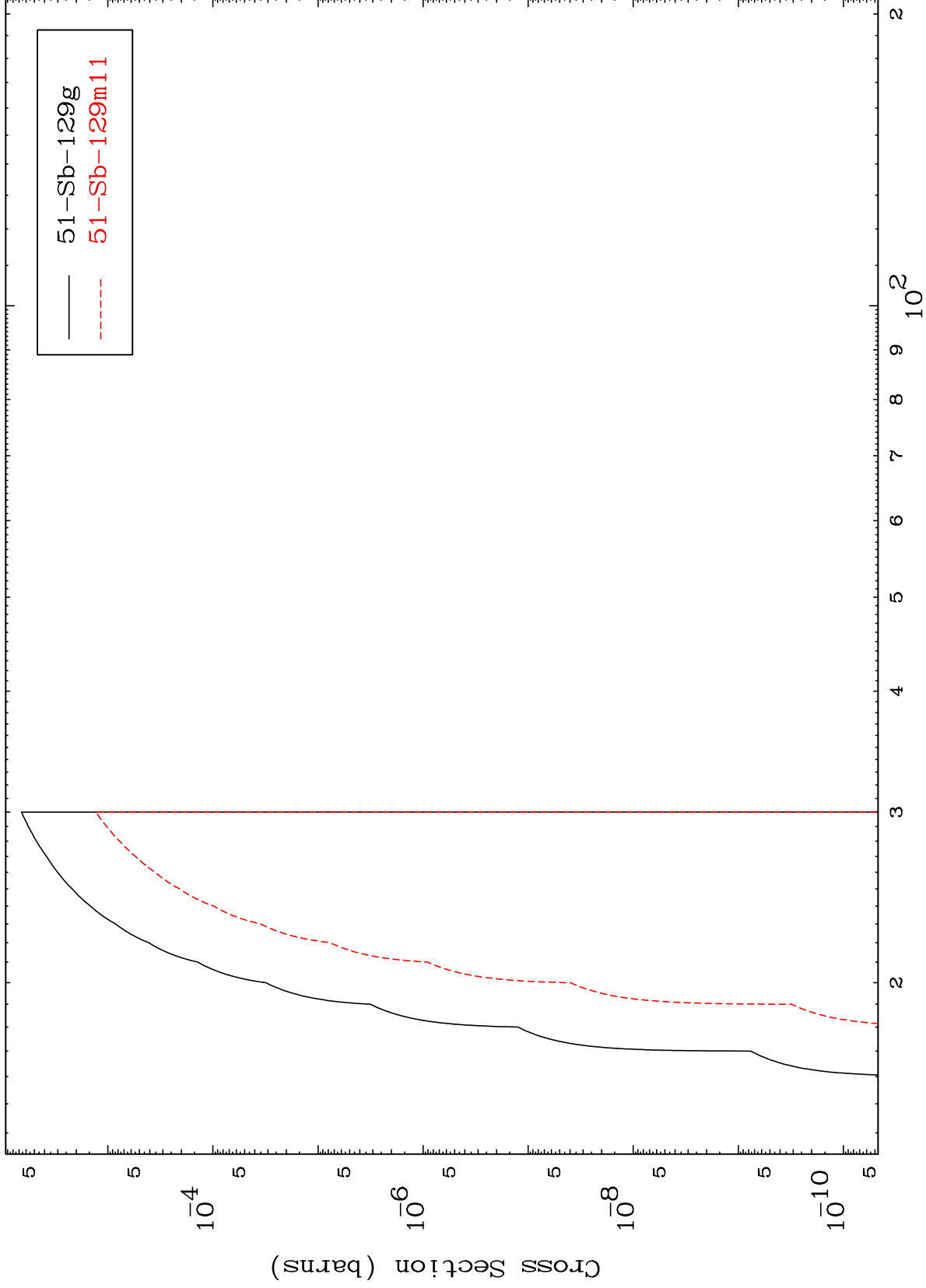
51-Sb-130g
51-Sb-130m1

81

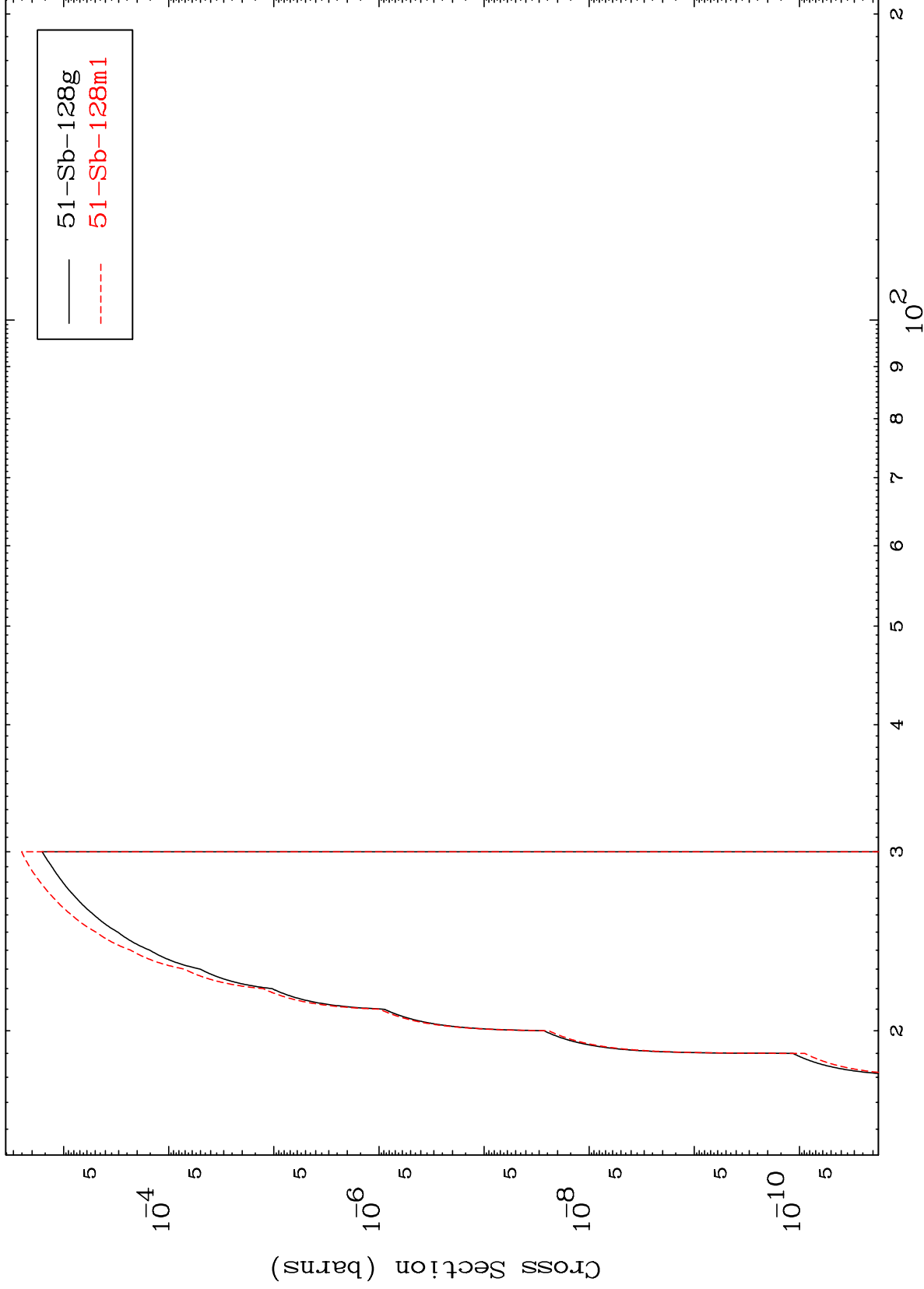
Incident Energy (MeV)

52-Te-131

Radionuclide Production Cross Section



Radionuclide Production Cross Section

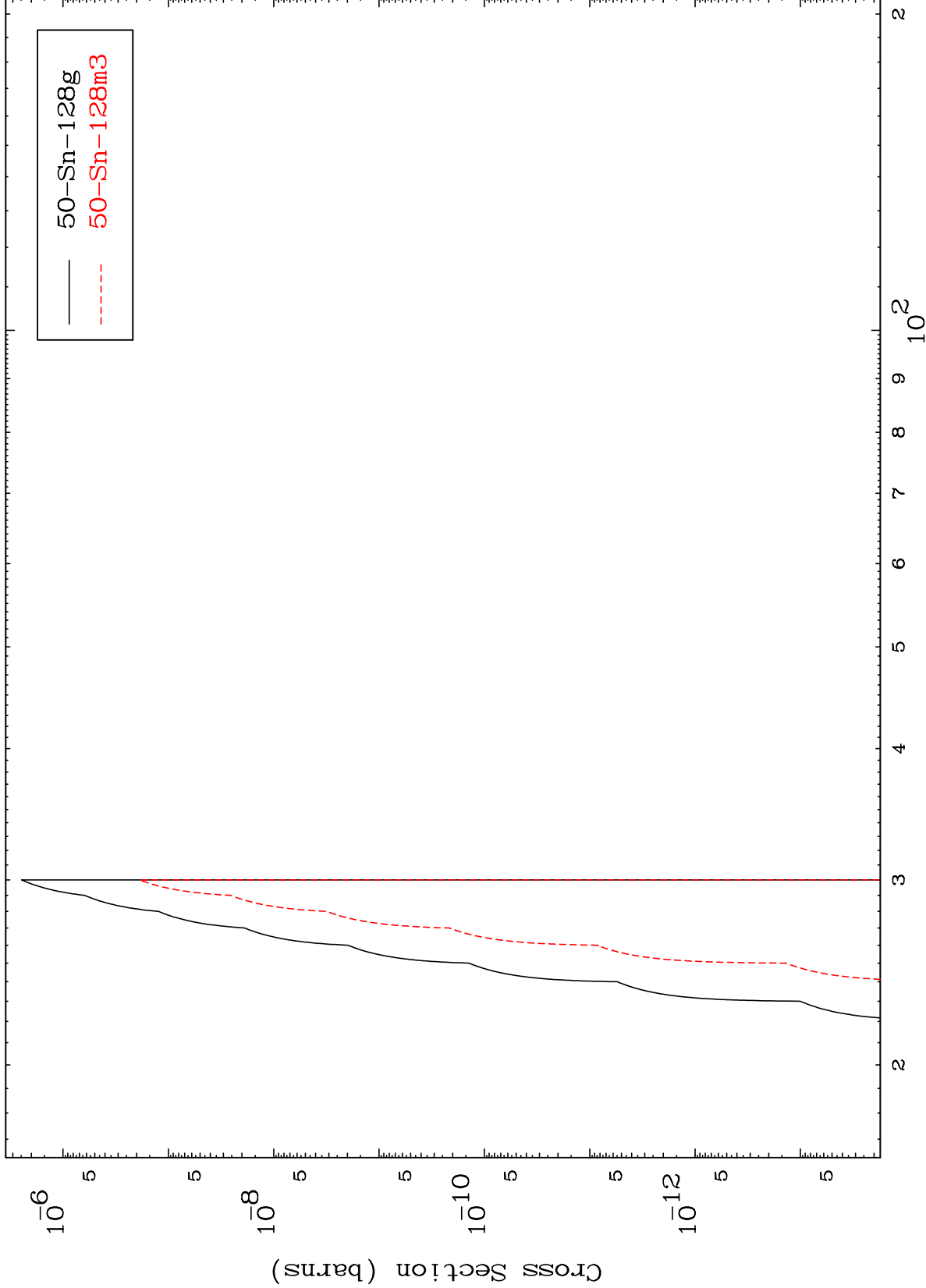


MAT 5258

(n,n') He-3

52-Te-131

Radionuclide Production Cross Section

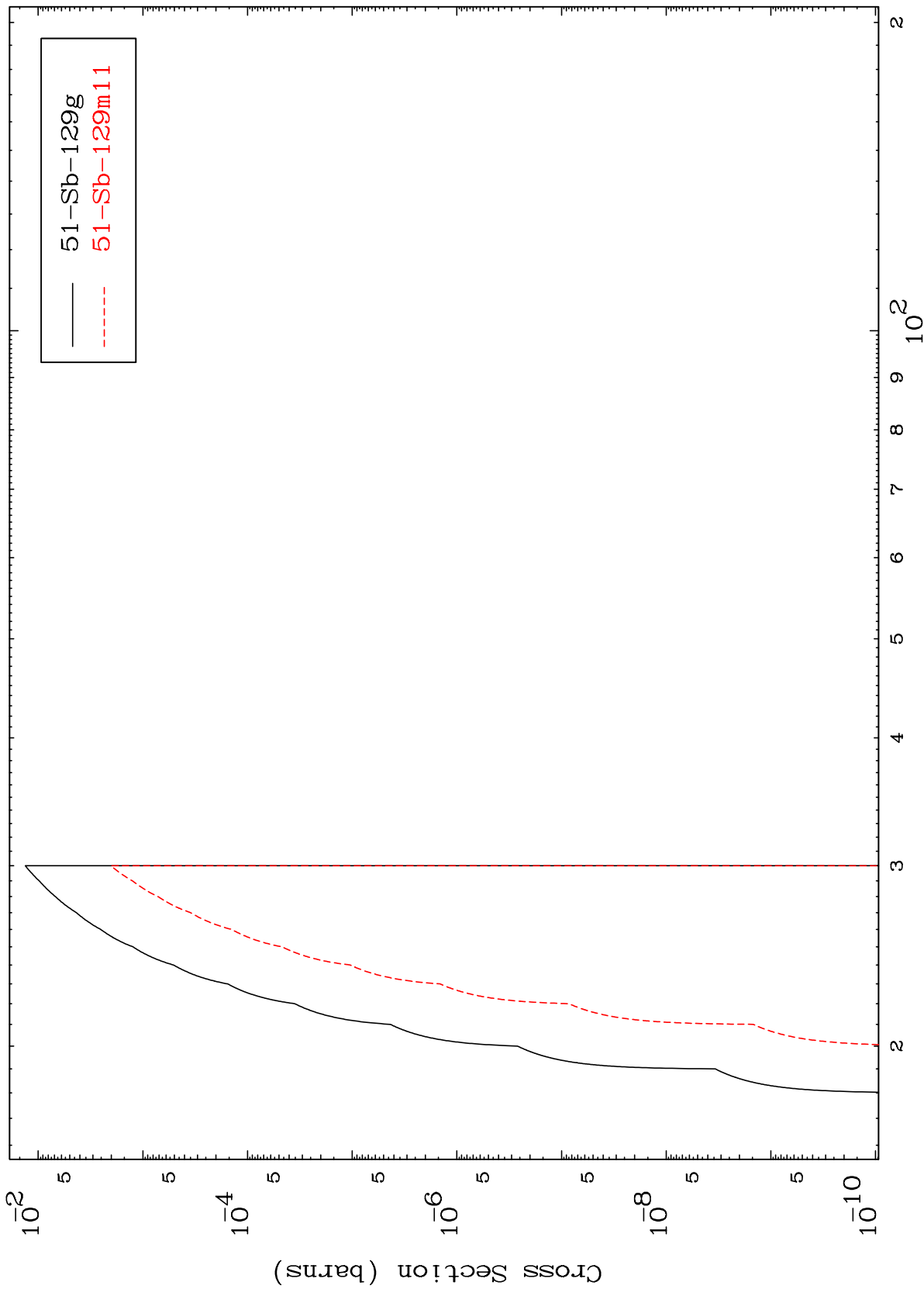


84

Incident Energy (MeV)

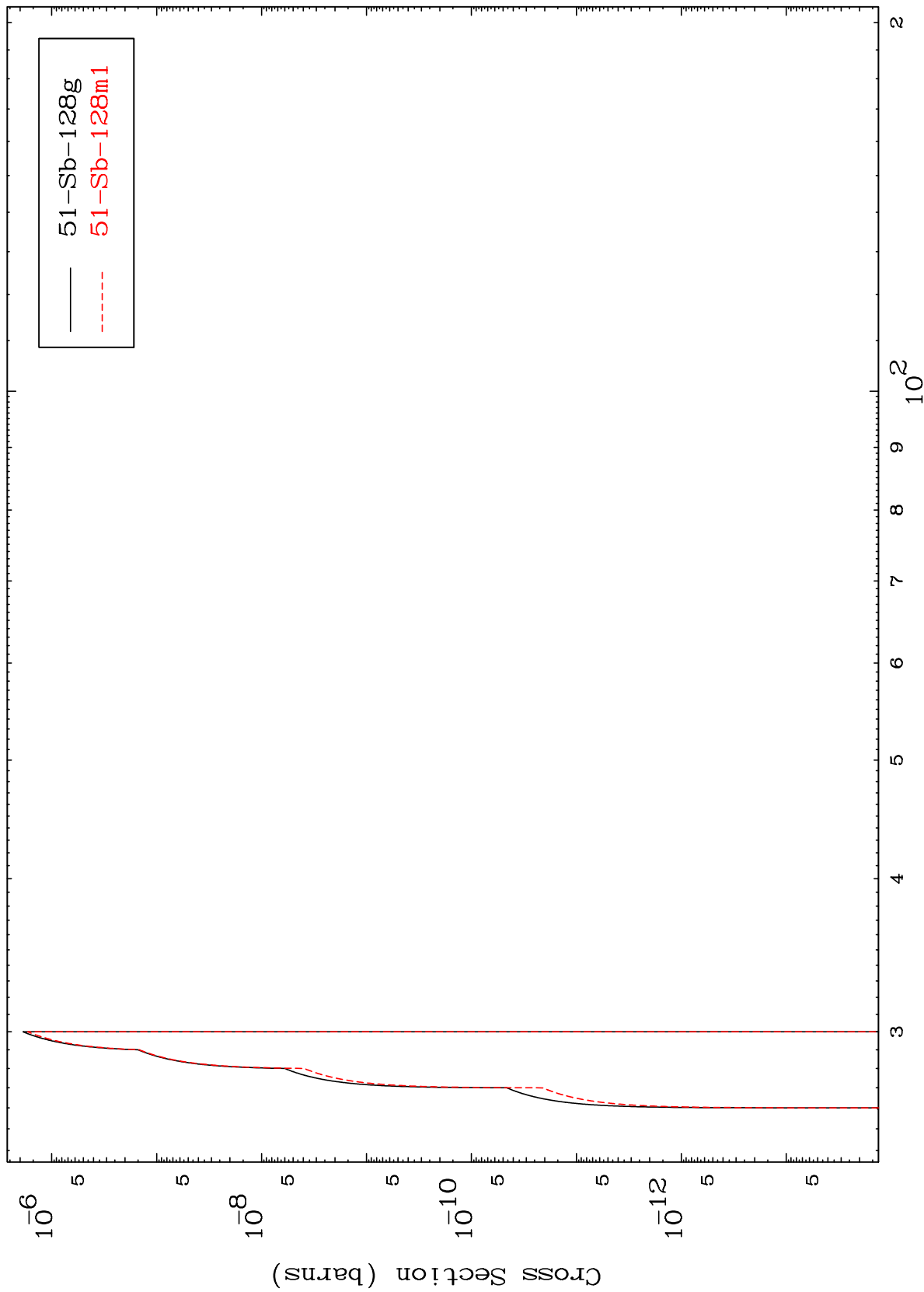
52-Te-131

Radionuclide Production Cross Section



51-Sb-129g
51-Sb-129m1

Radionuclide Production Cross Section

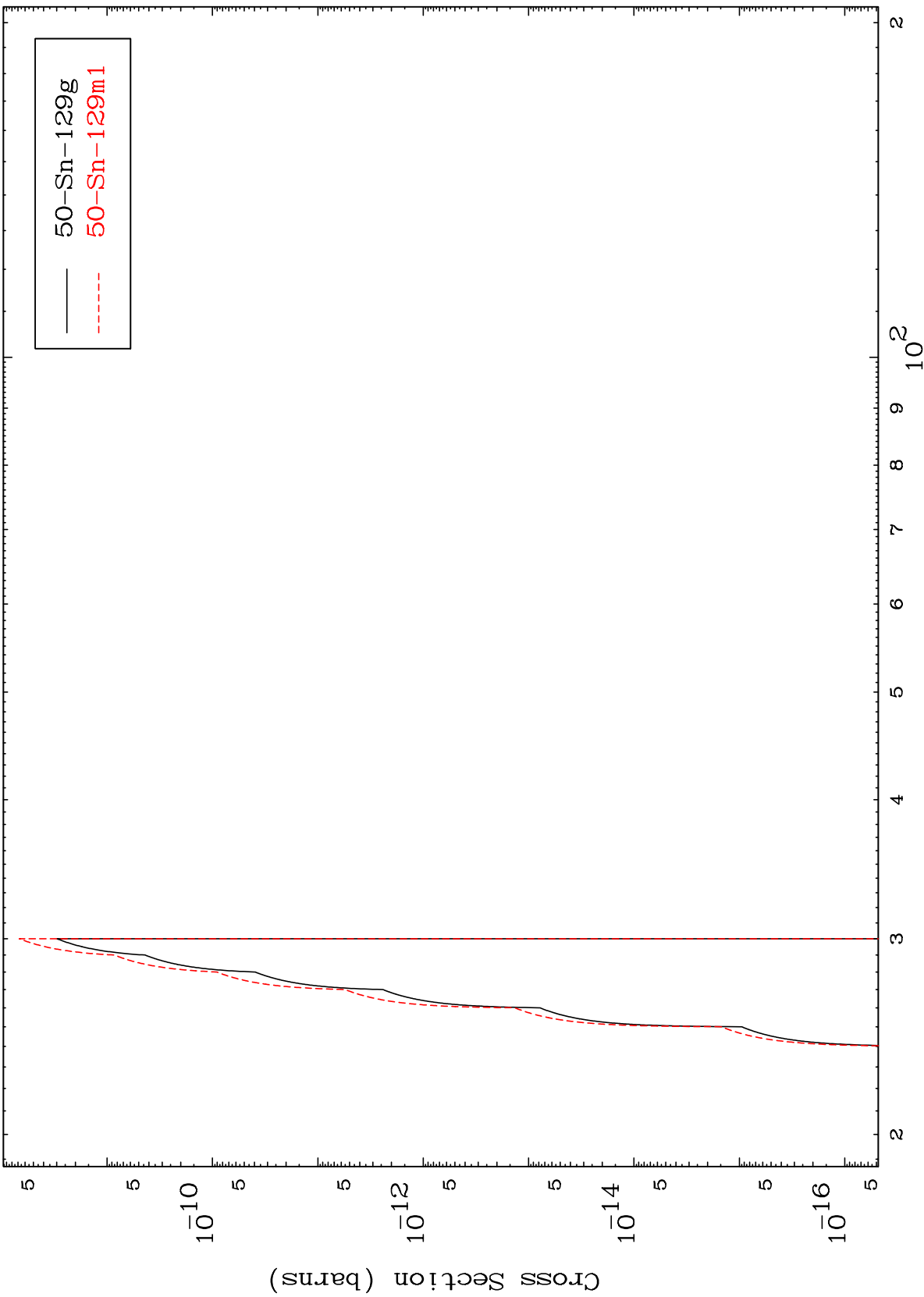


MAT 5258

(n,2n) p

52-Te-131

Radionuclide Production Cross Section



87

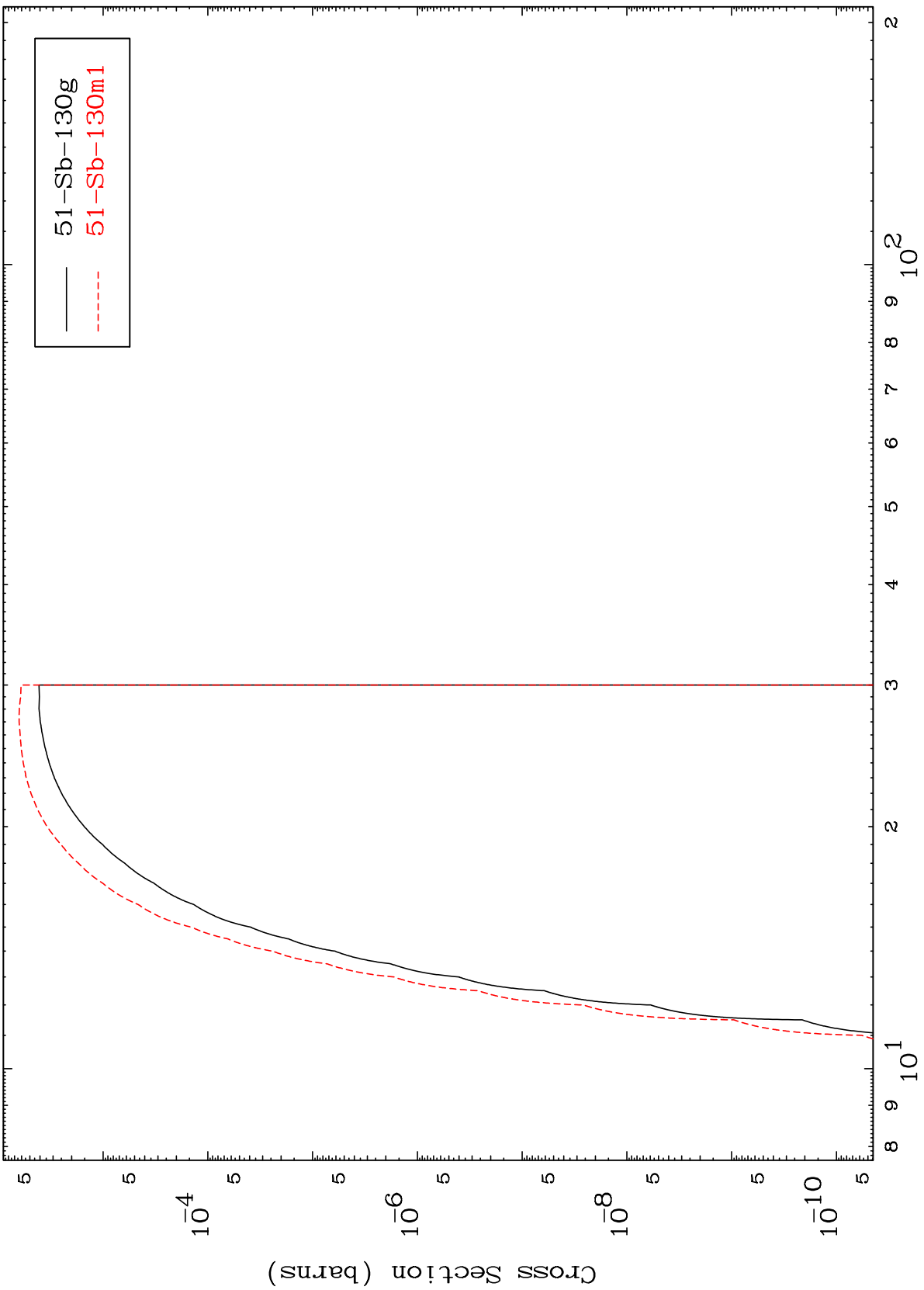
Incident Energy (MeV)

52-Te-131

MAT 5258

52-Te-131

(n,d)
Radionuclide Production Cross Section



88

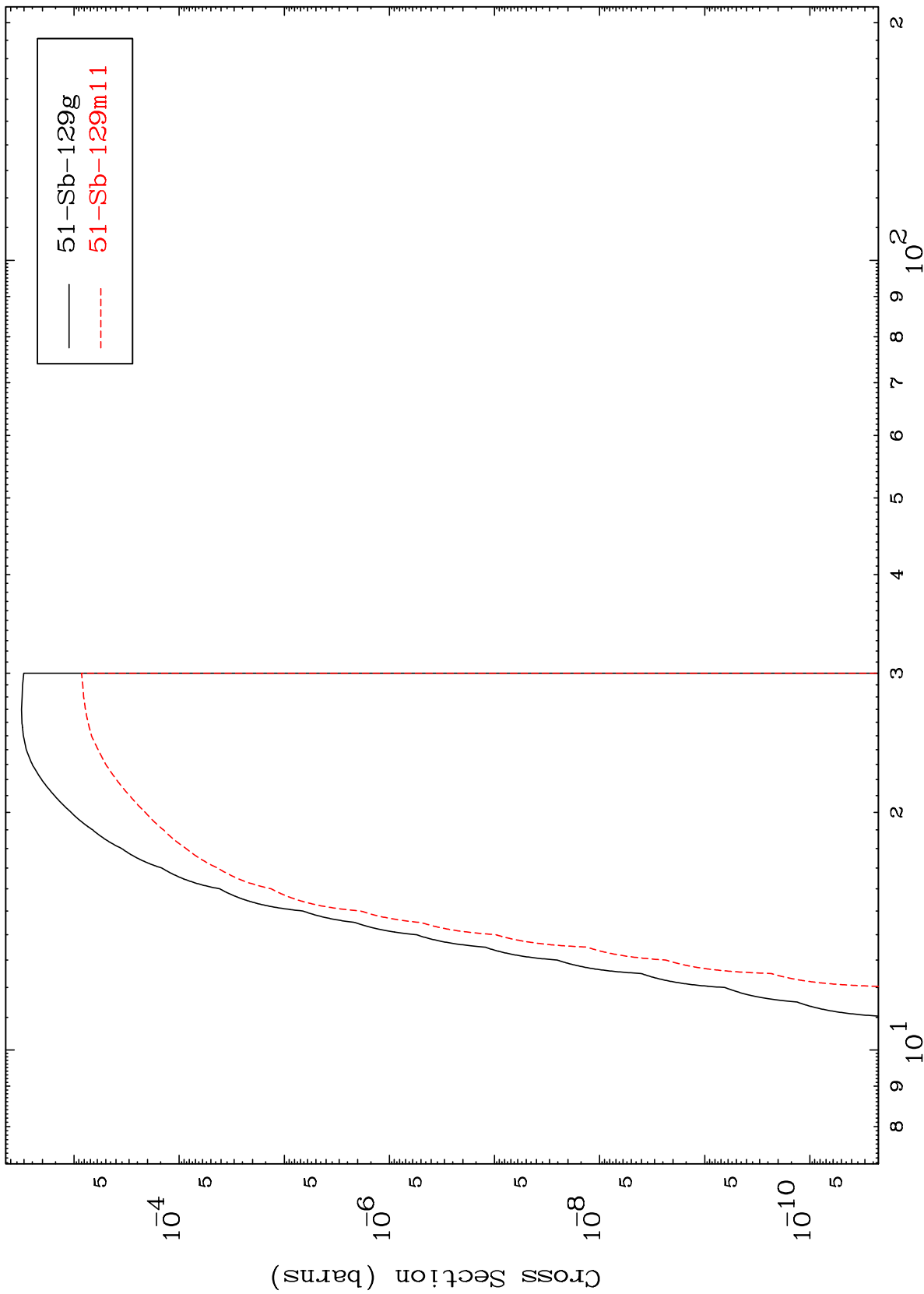
Incident Energy (MeV)

52-Te-131

MAT 5258

52-Te-131

(n, t)
Radionuclide Production Cross Section

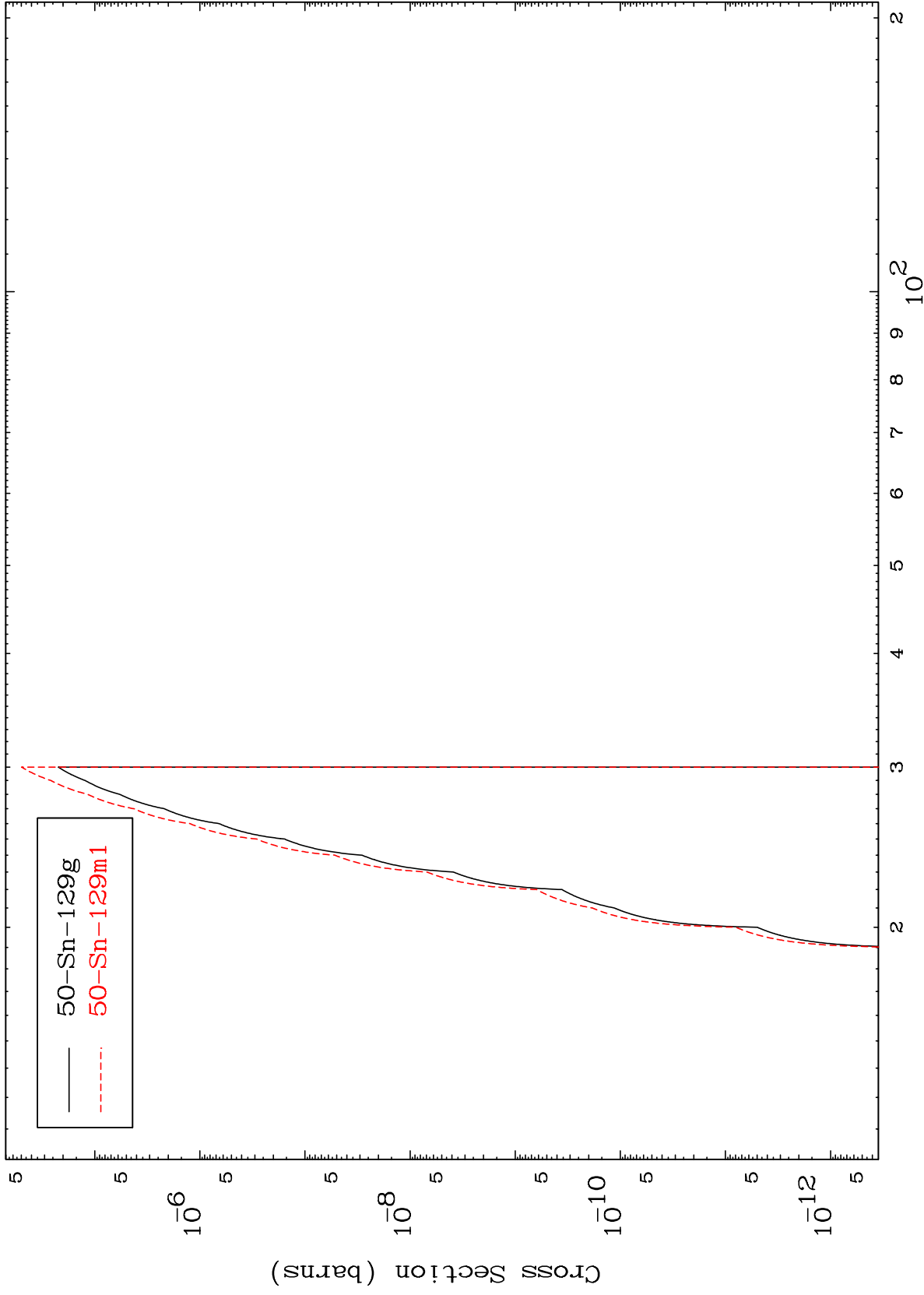


89

Incident Energy (MeV)

52-Te-131

Radionuclide Production Cross Section

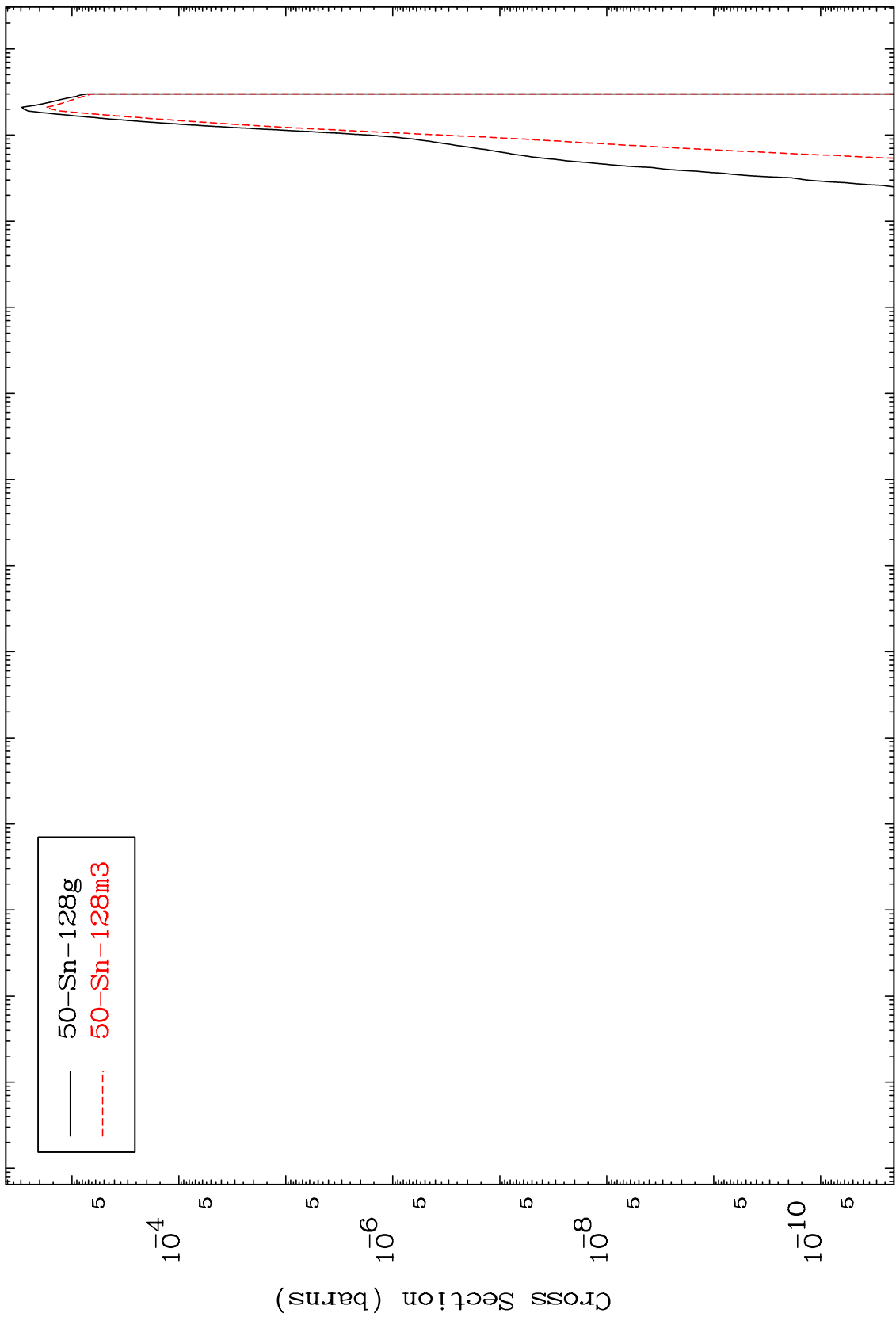
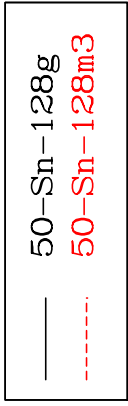


MAT 5258

(n, α)

52-Te-131

Radionuclide Production Cross Section



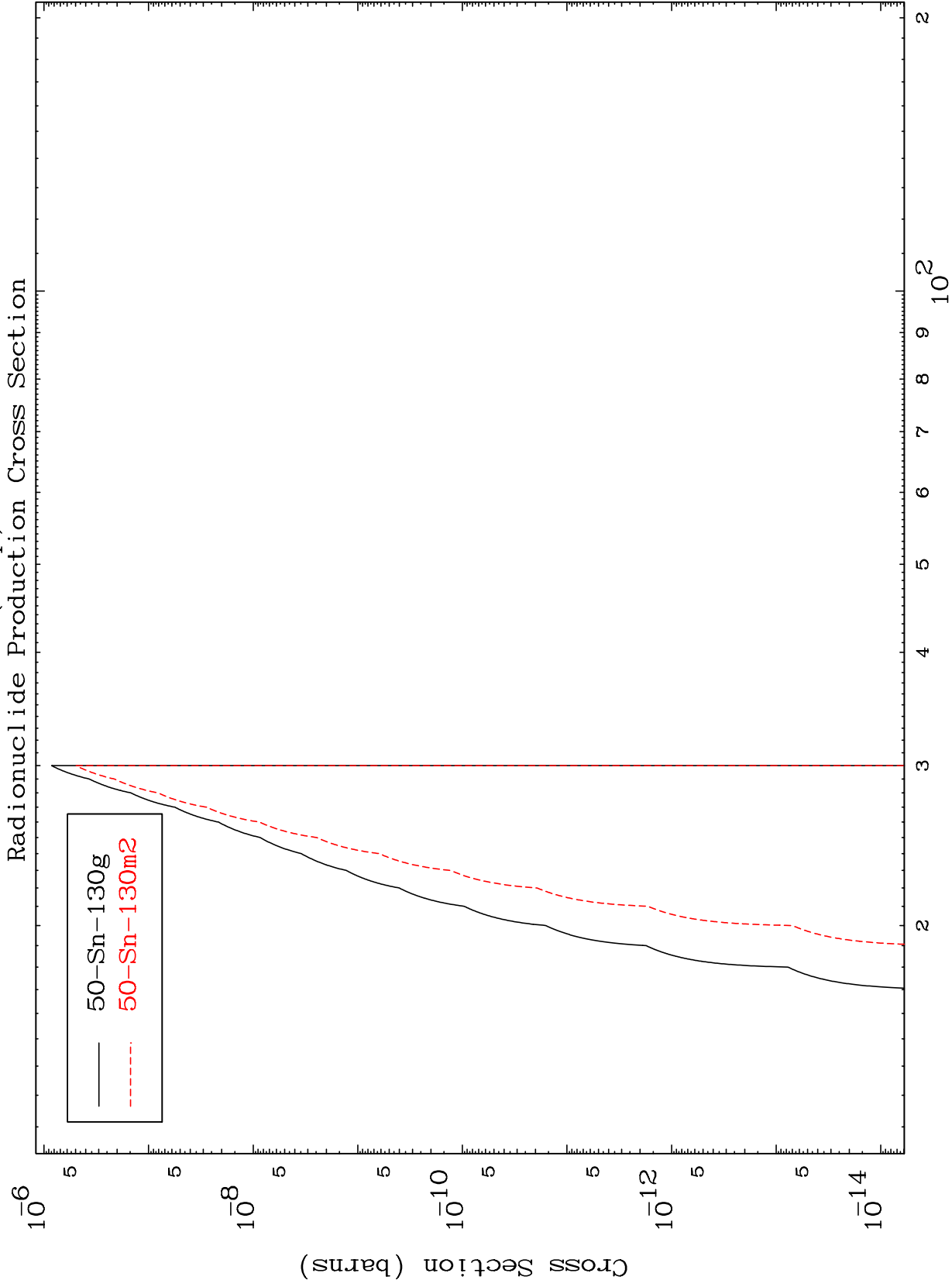
10⁻¹⁰ 10⁻⁸ 10⁻⁶ 10⁻⁴ 10⁰ 10²

52-Te-131

MAT 5258

52-Te-131

(n,2p)
Radionuclide Production Cross Section



92

Incident Energy (MeV)

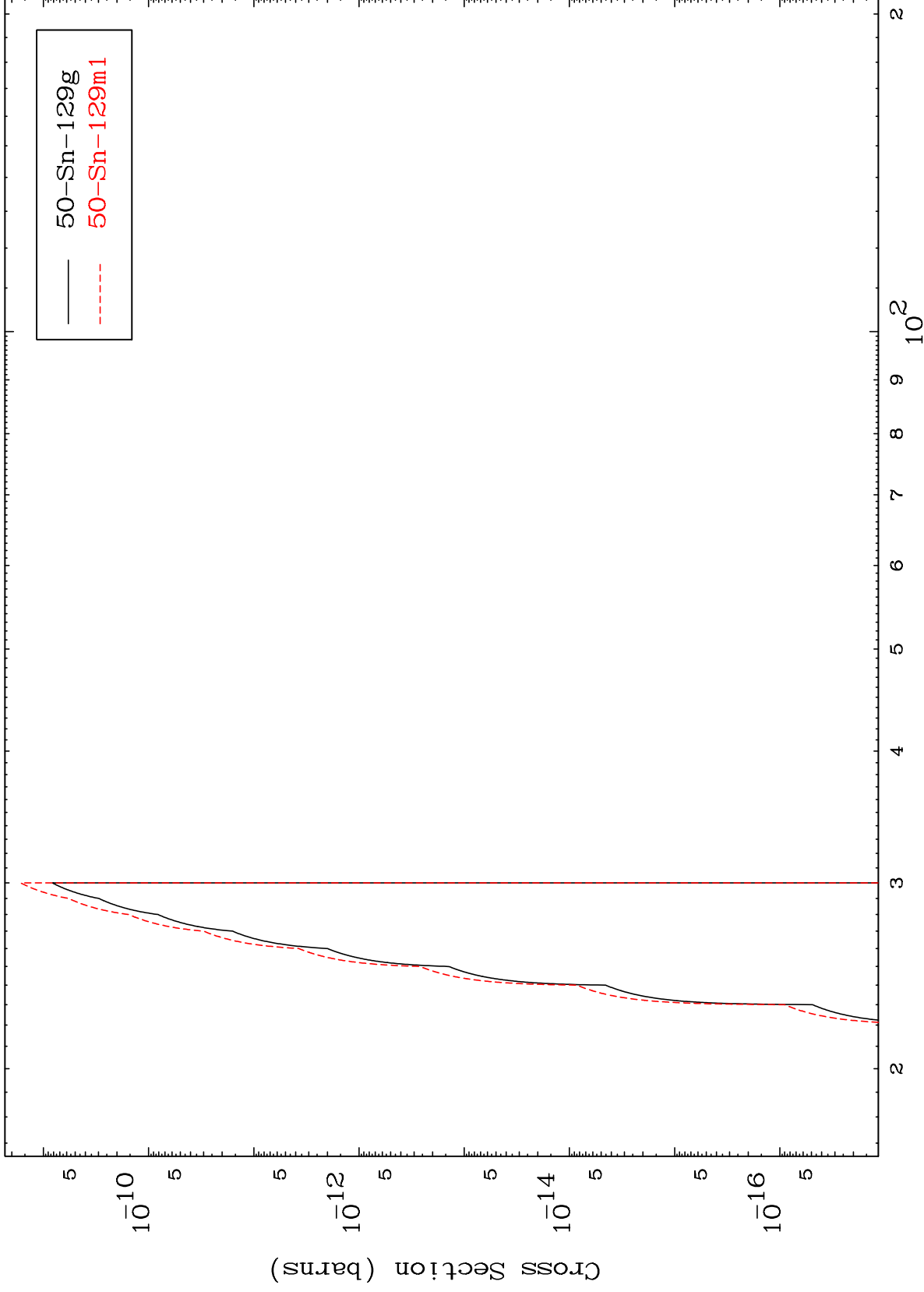
52-Te-131

MAT 5258

(n,p) d

52-Te-131

Radionuclide Production Cross Section



93

Incident Energy (MeV)

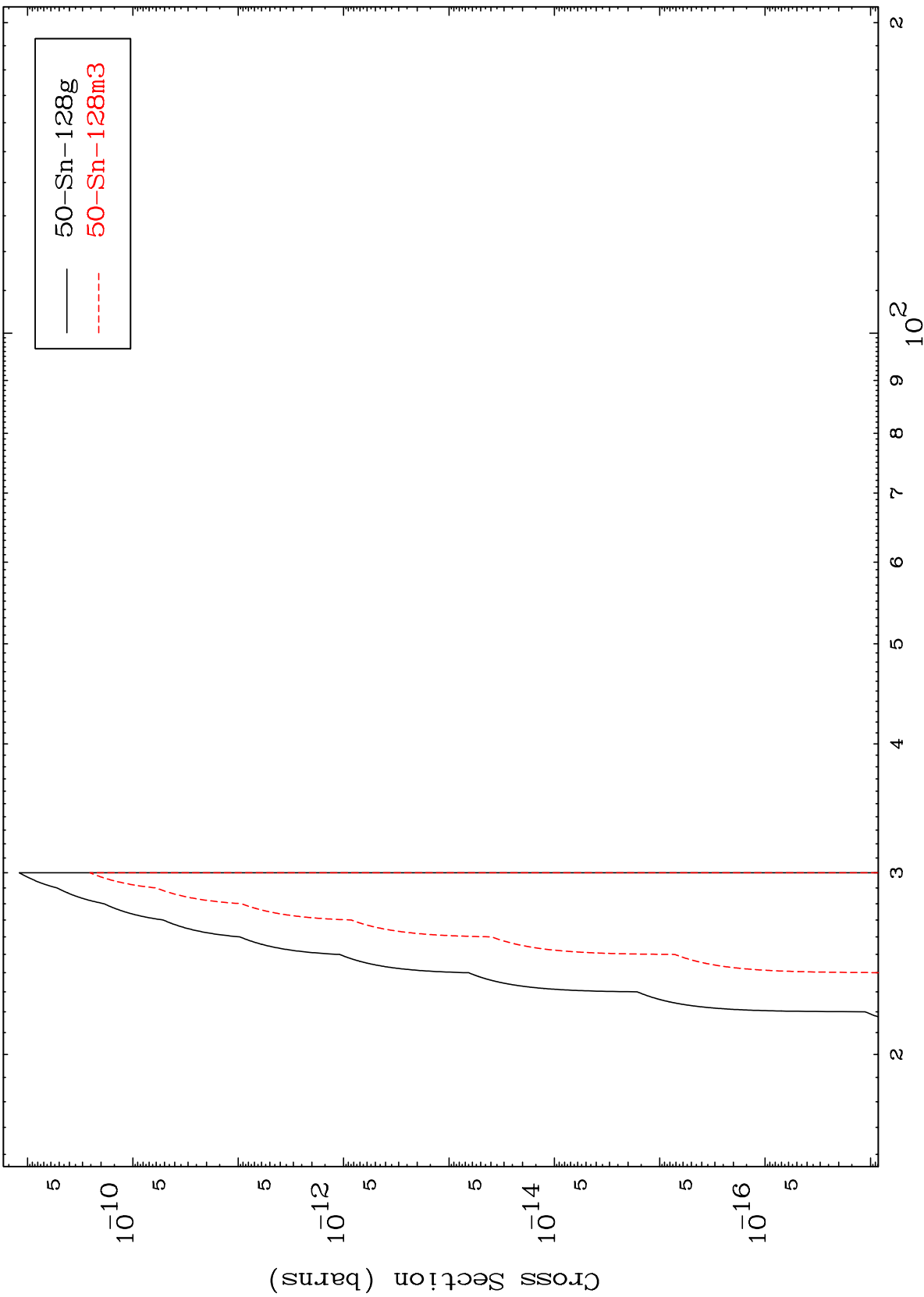
52-Te-131

MAT 5258

(n,p) t

52-Te-131

Radionuclide Production Cross Section



94

Incident Energy (MeV)

52-Te-131