

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

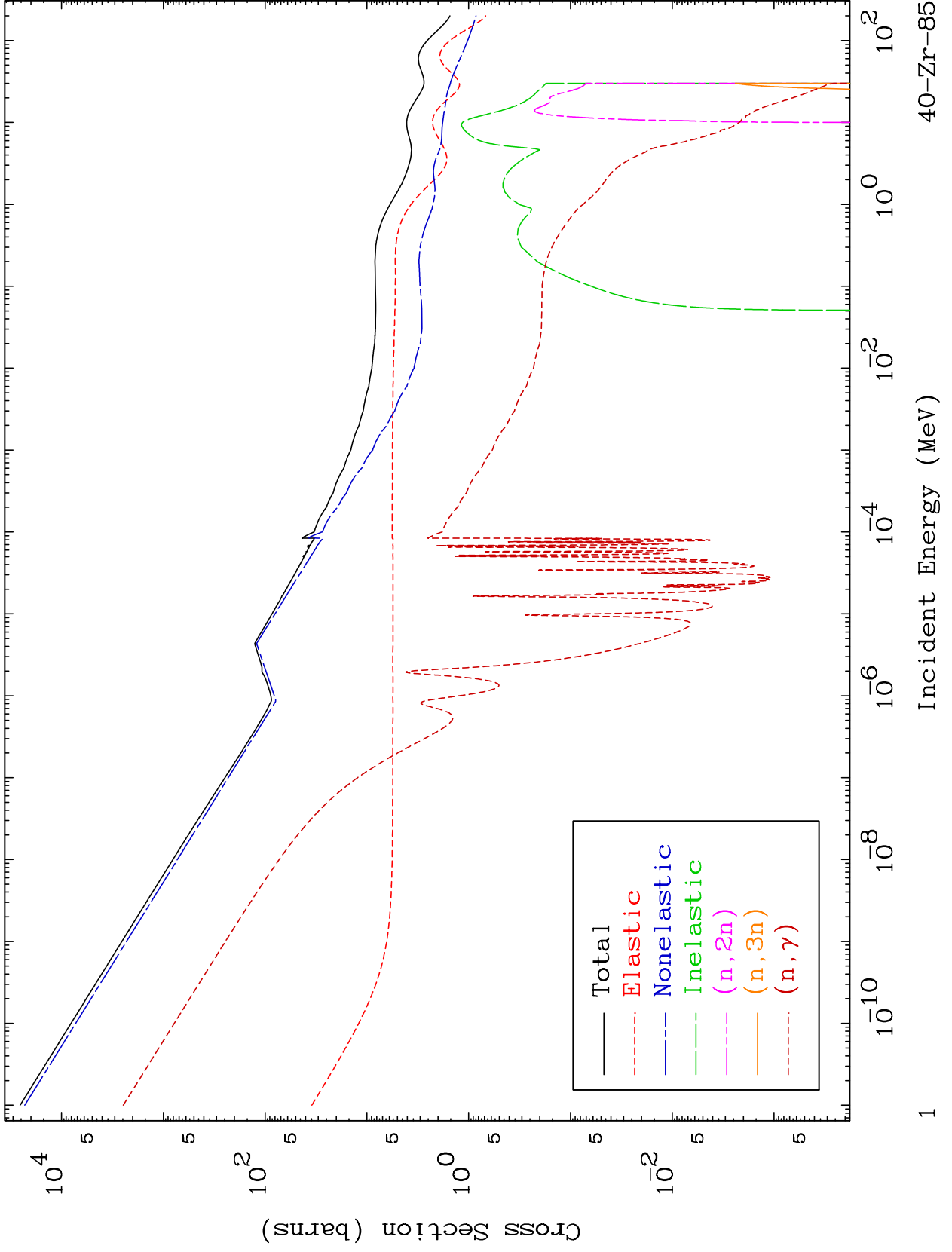
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4010

Neutron Major
293 Kelvin Cross Sections

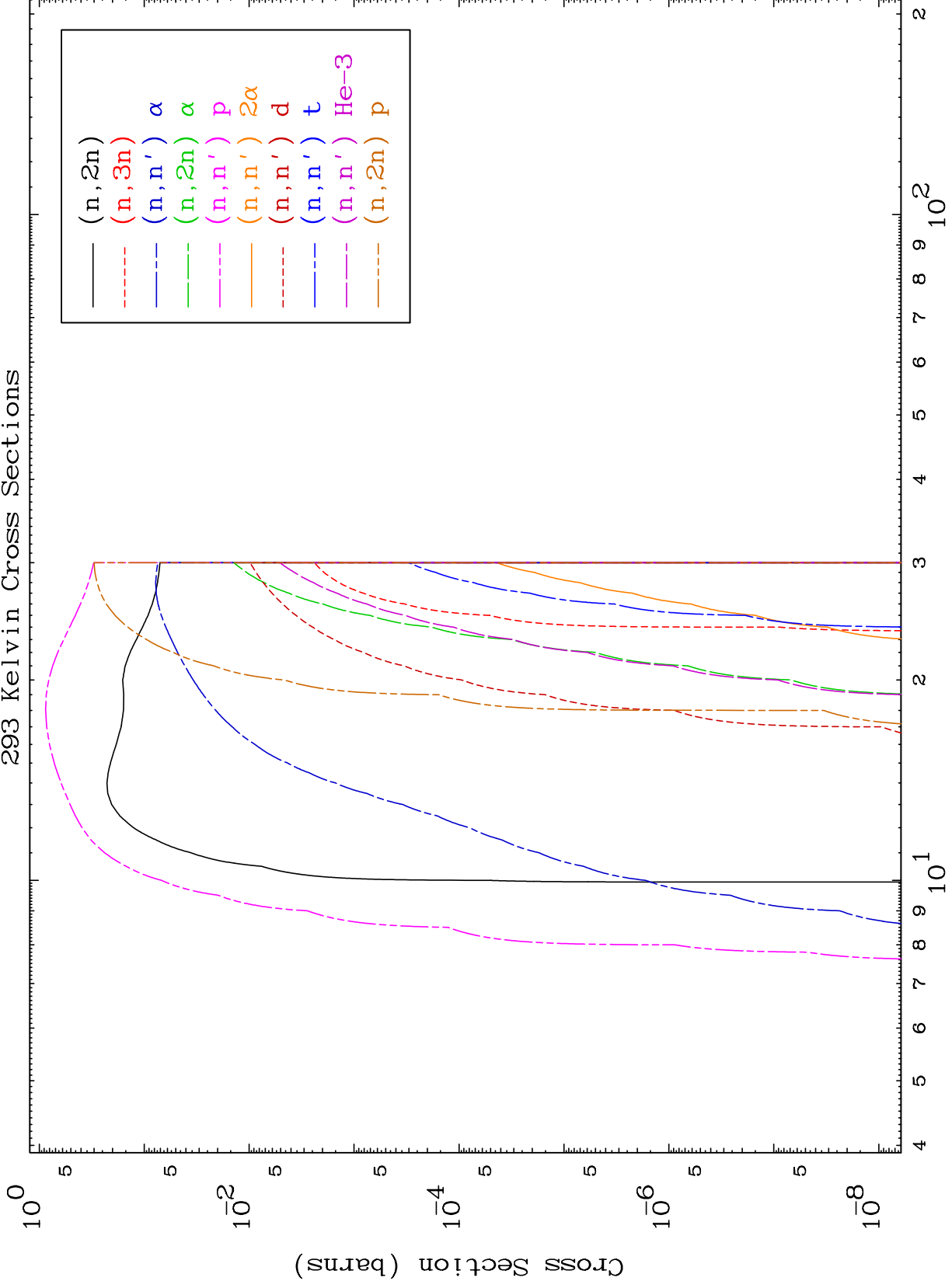
40-Zr-85



MAT 4010

Neutron Absorption
293 Kelvin Cross Sections

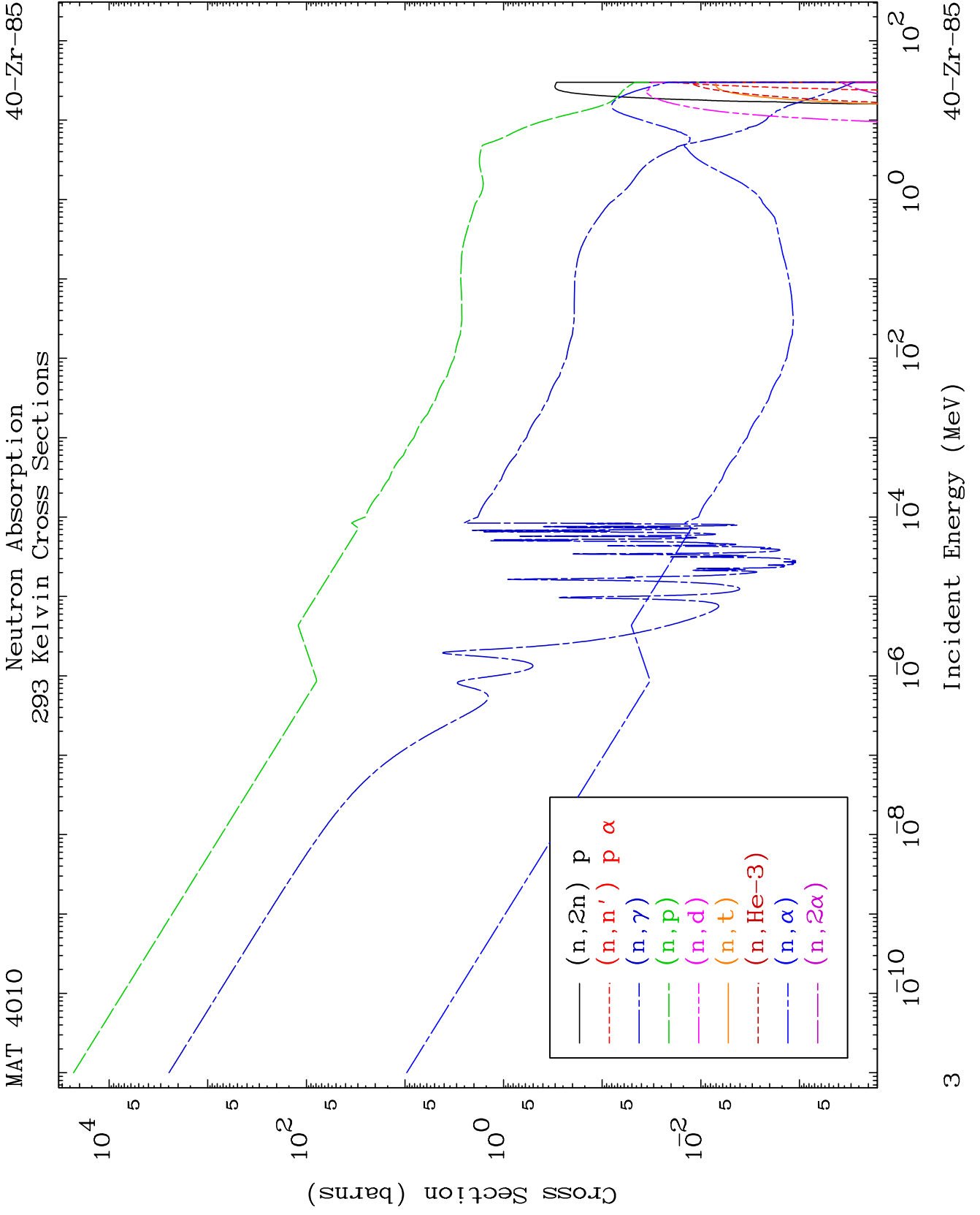
40-Zr-85

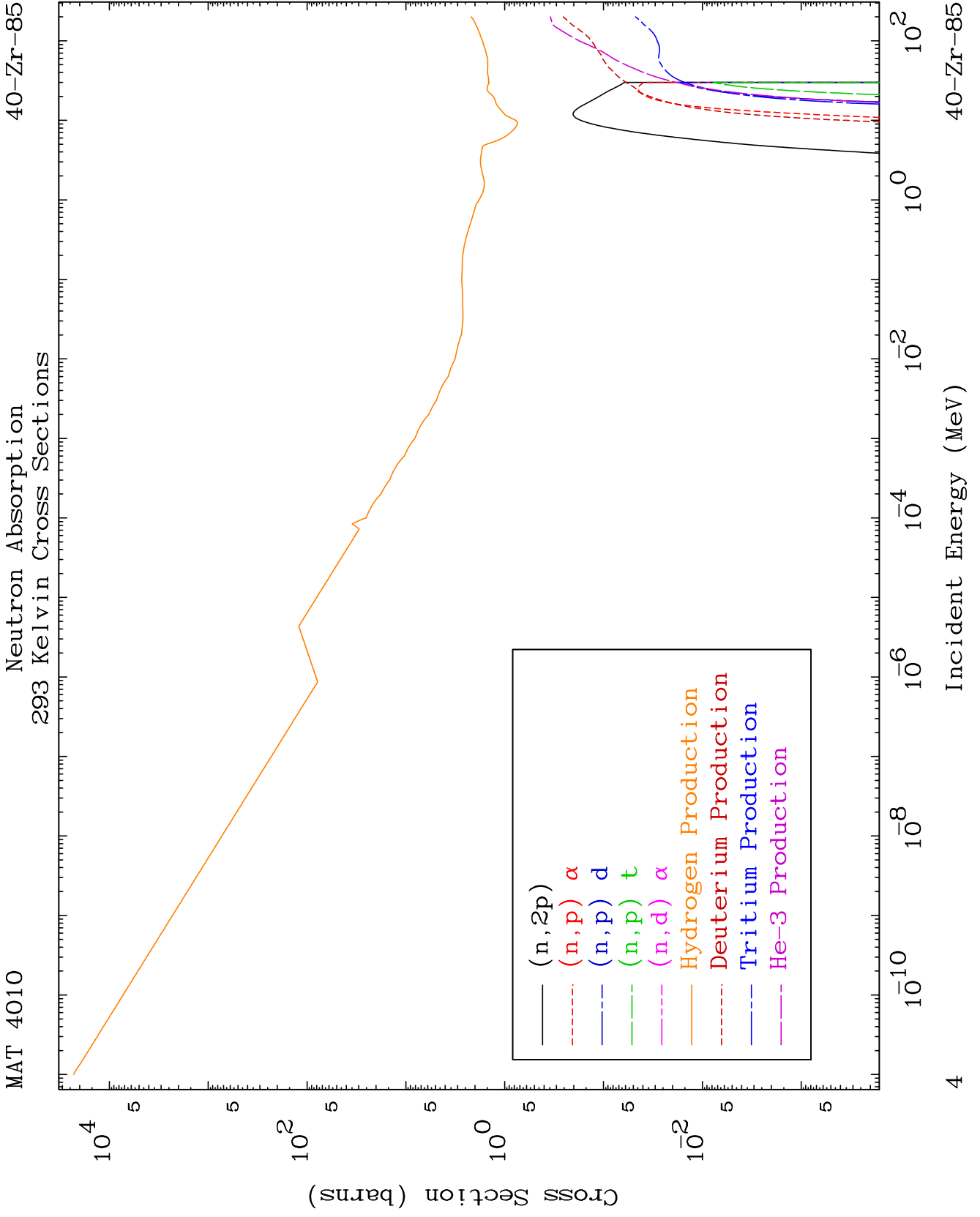


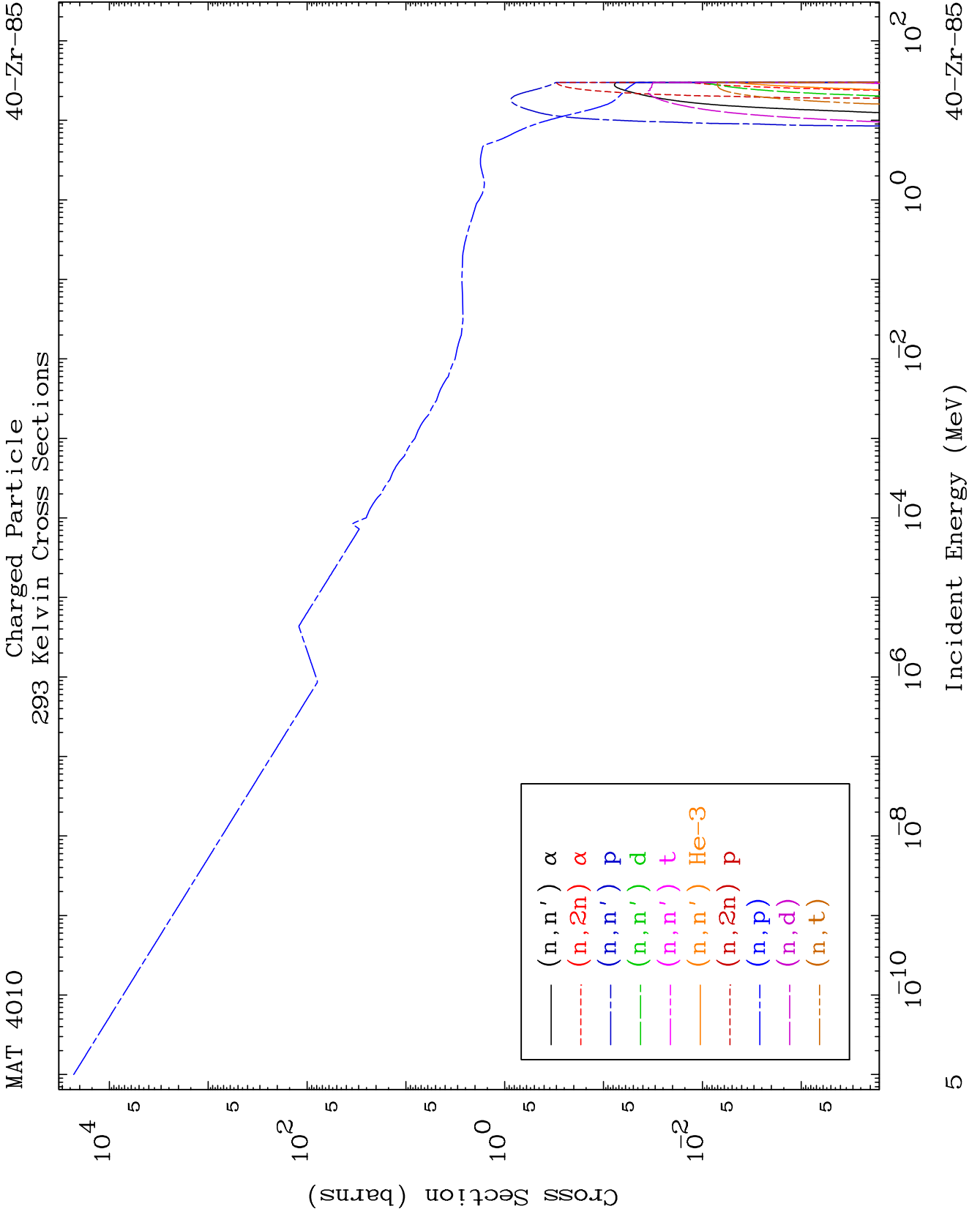
2

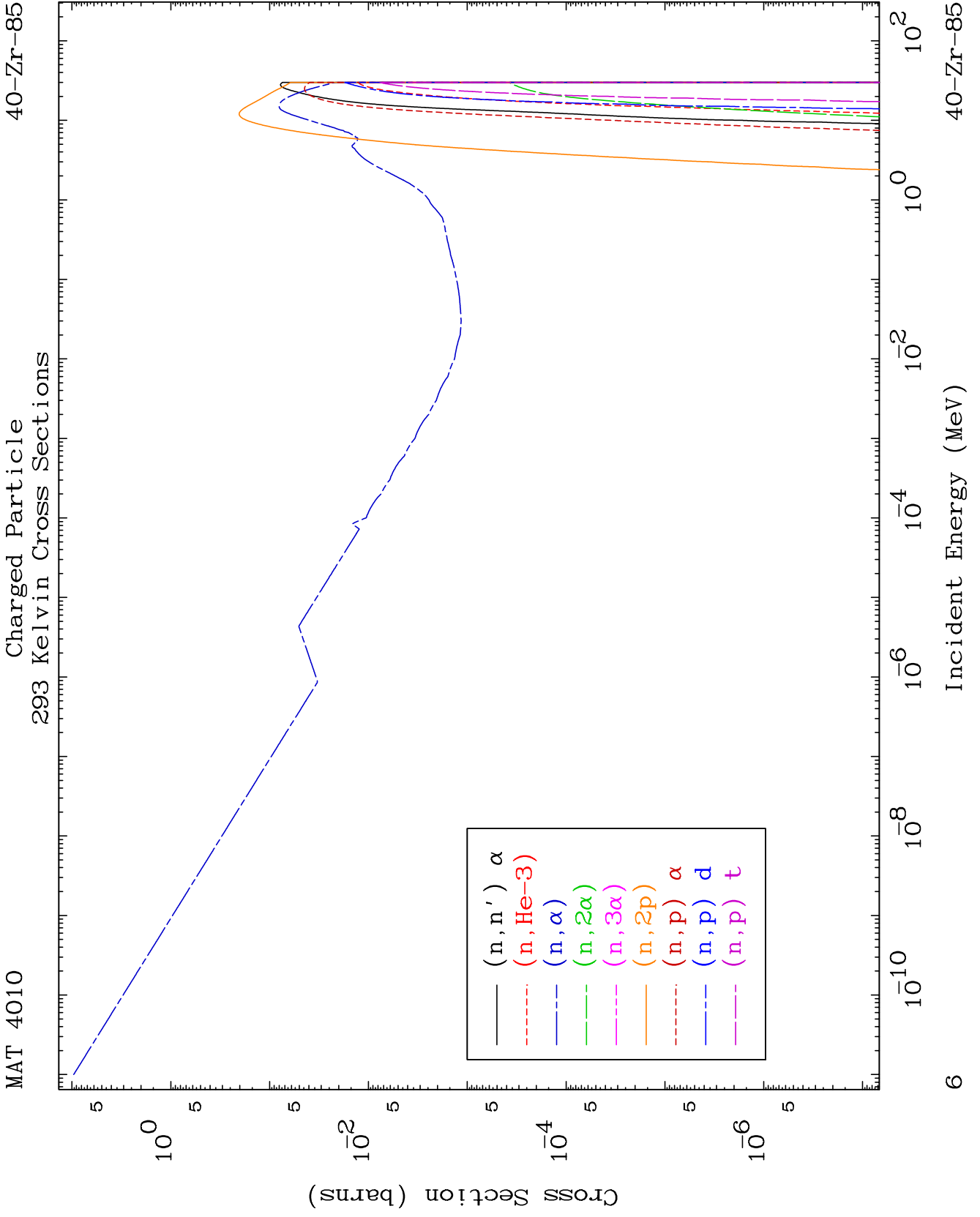
Incident Energy (MeV)

40-Zr-85





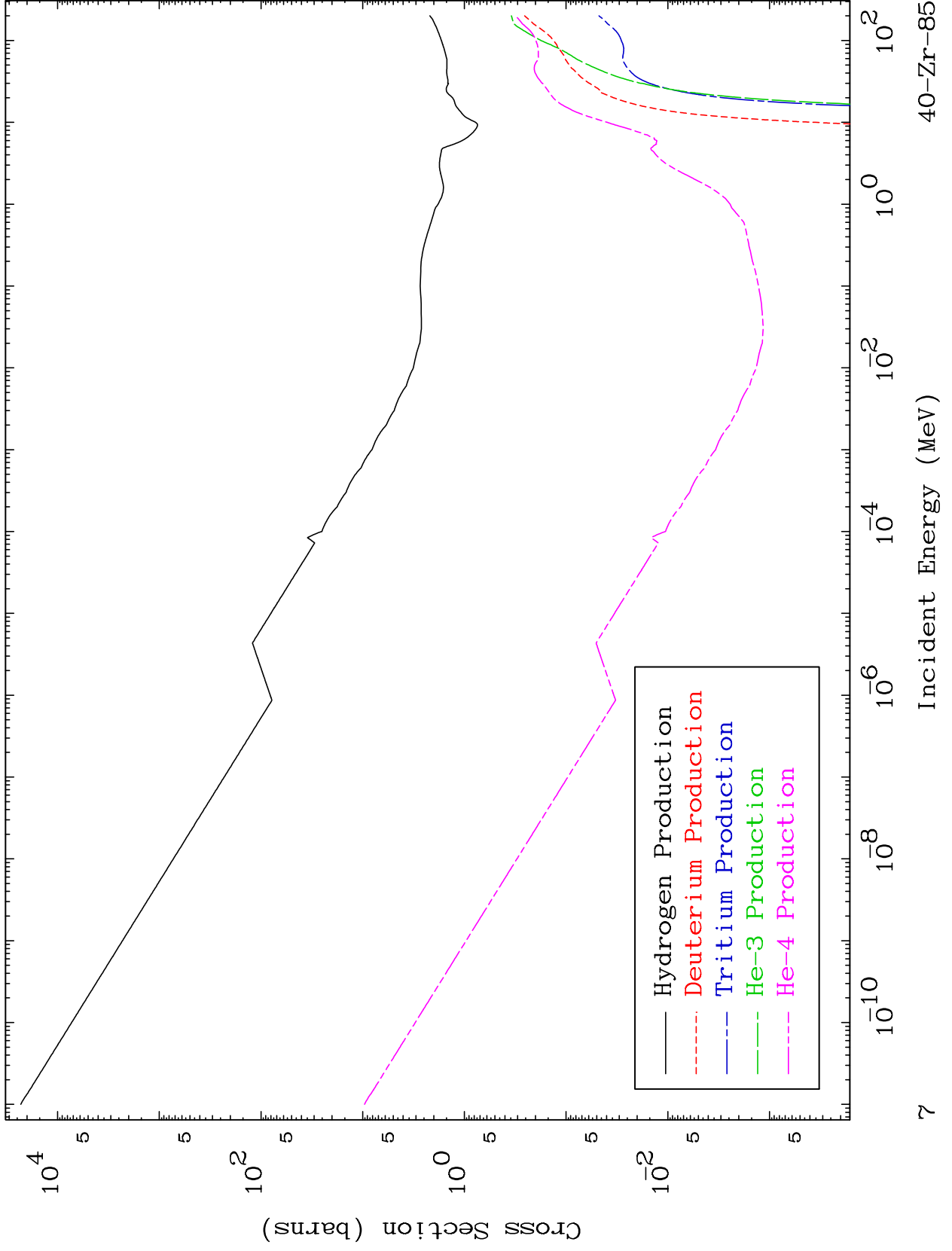




MAT 4010

Particle Production
293 Kelvin Cross Sections

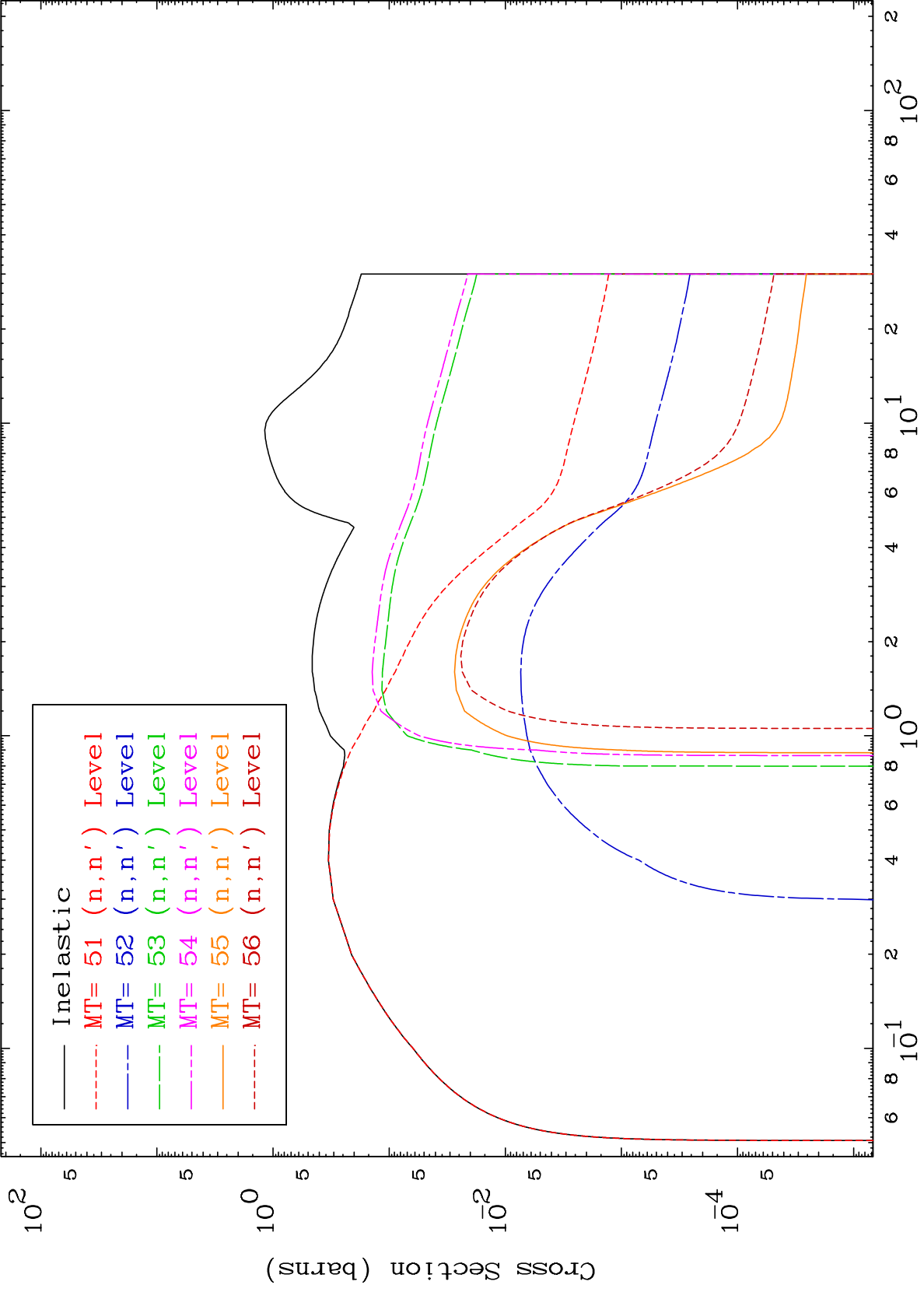
40-Zr-85



MAT 4010

(n,n') Levels
293 Kelvin Cross Sections

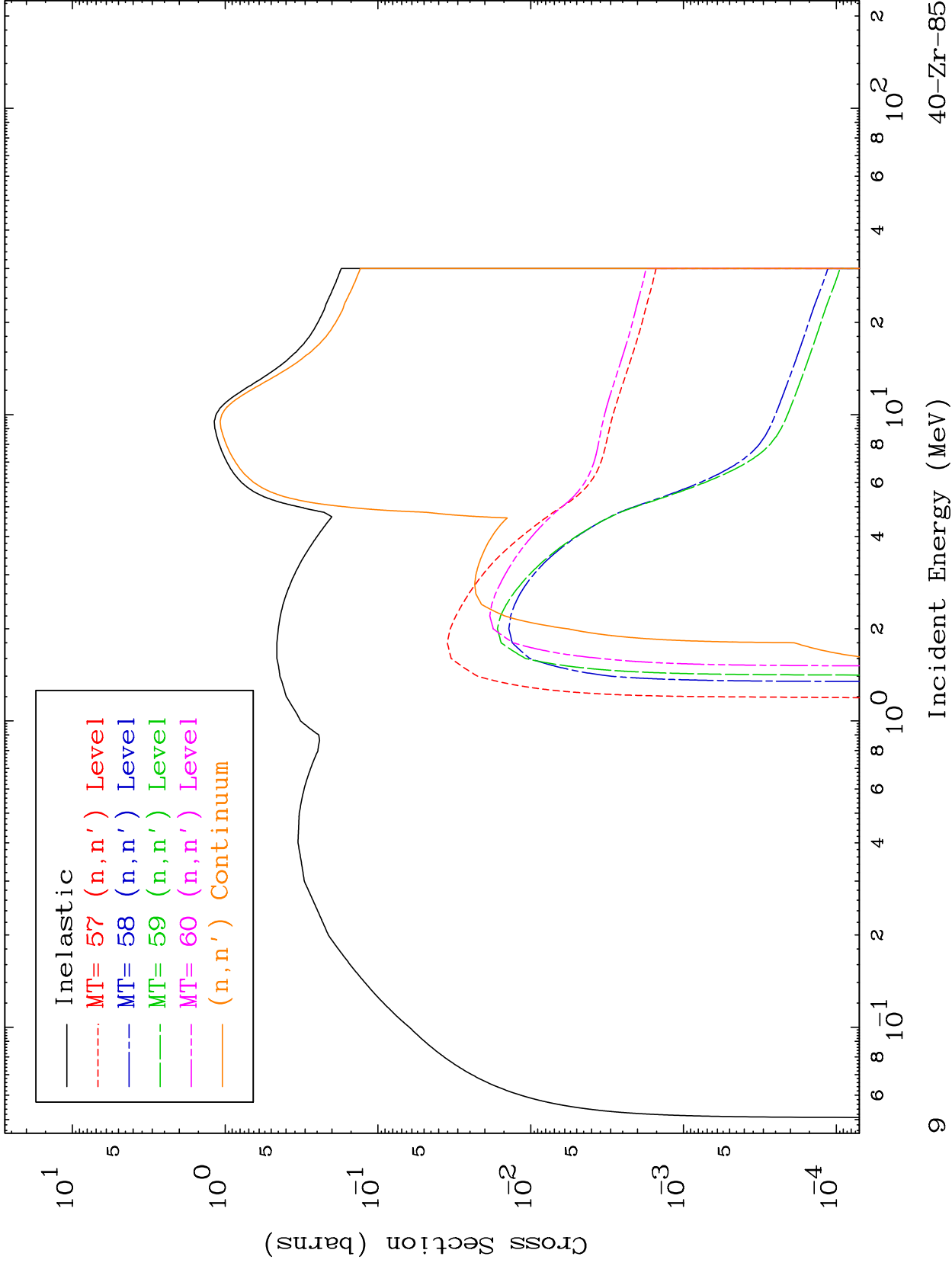
40-Zr-85

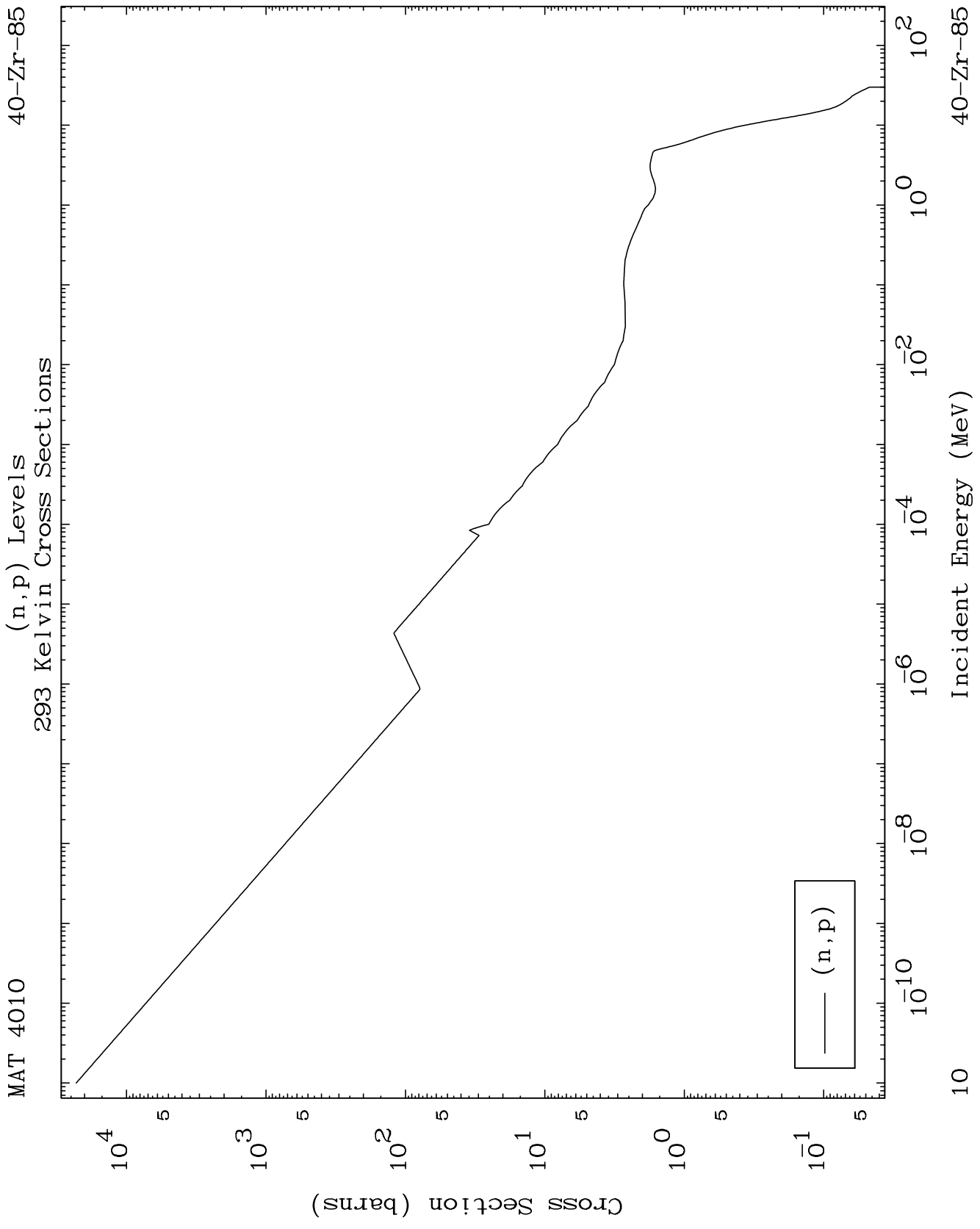


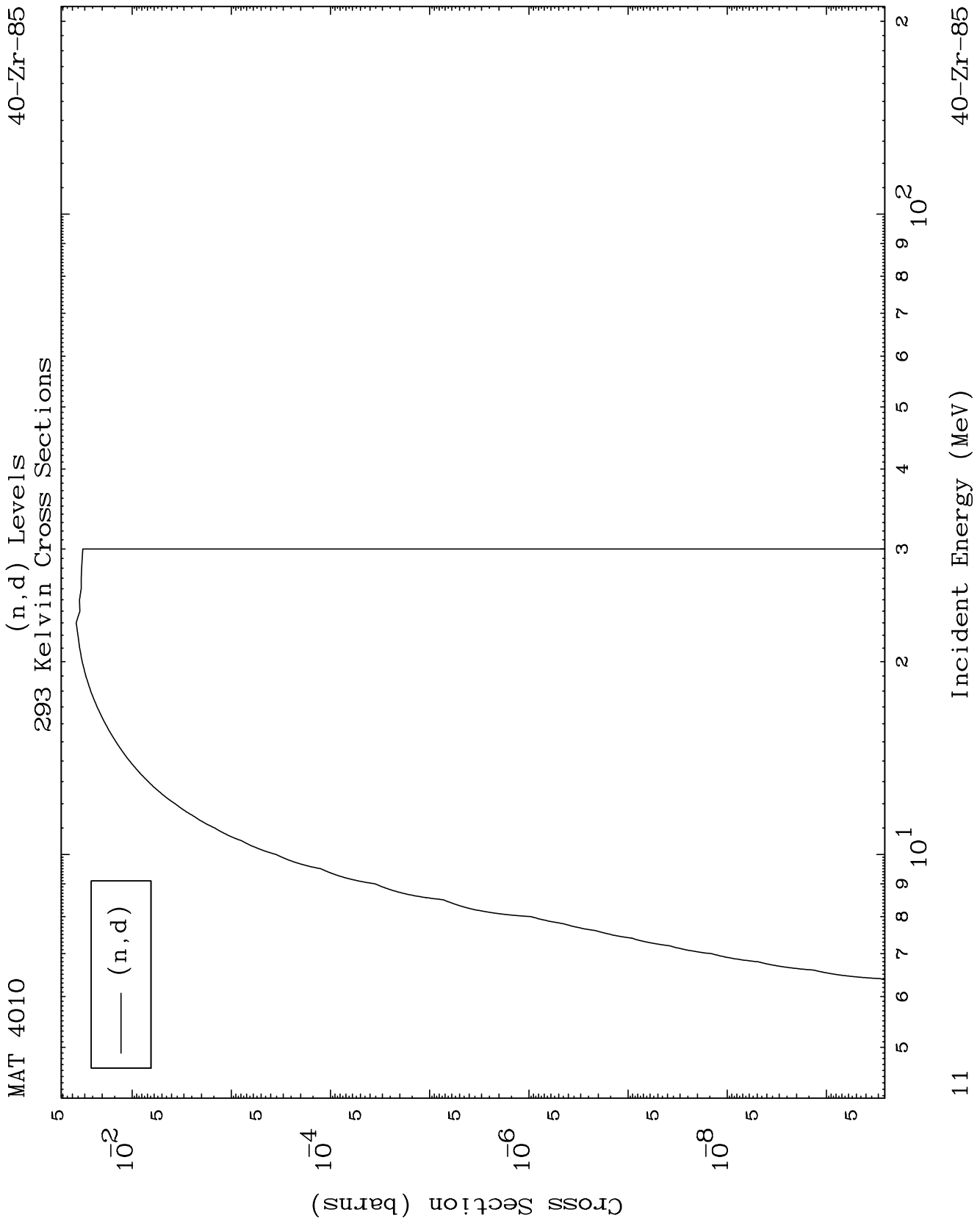
MAT 4010

(n,n') Levels
293 Kelvin Cross Sections

40-Zr-85



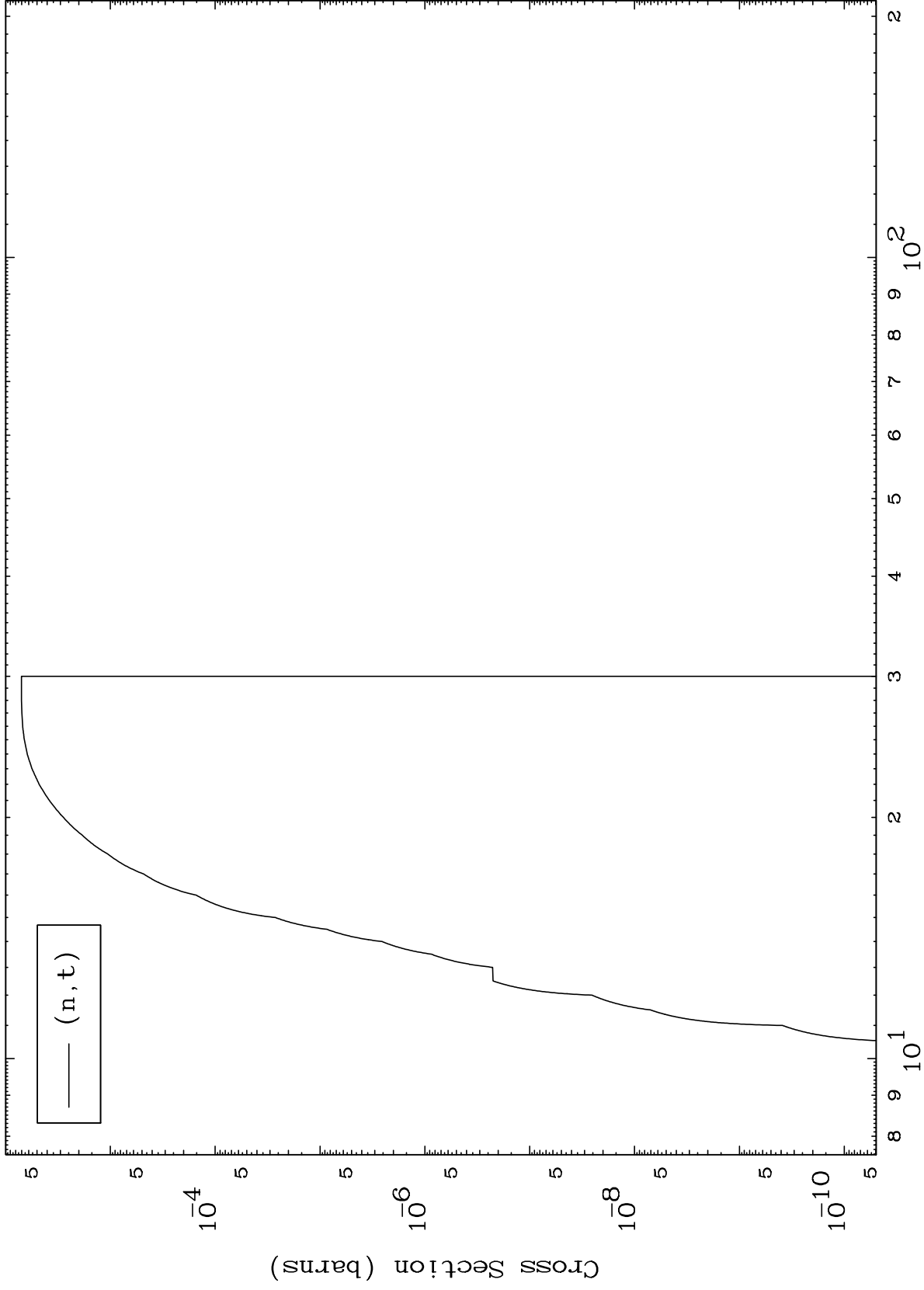




MAT 4010

(n,t) Levels
293 Kelvin Cross Sections

40-Zr-85



12

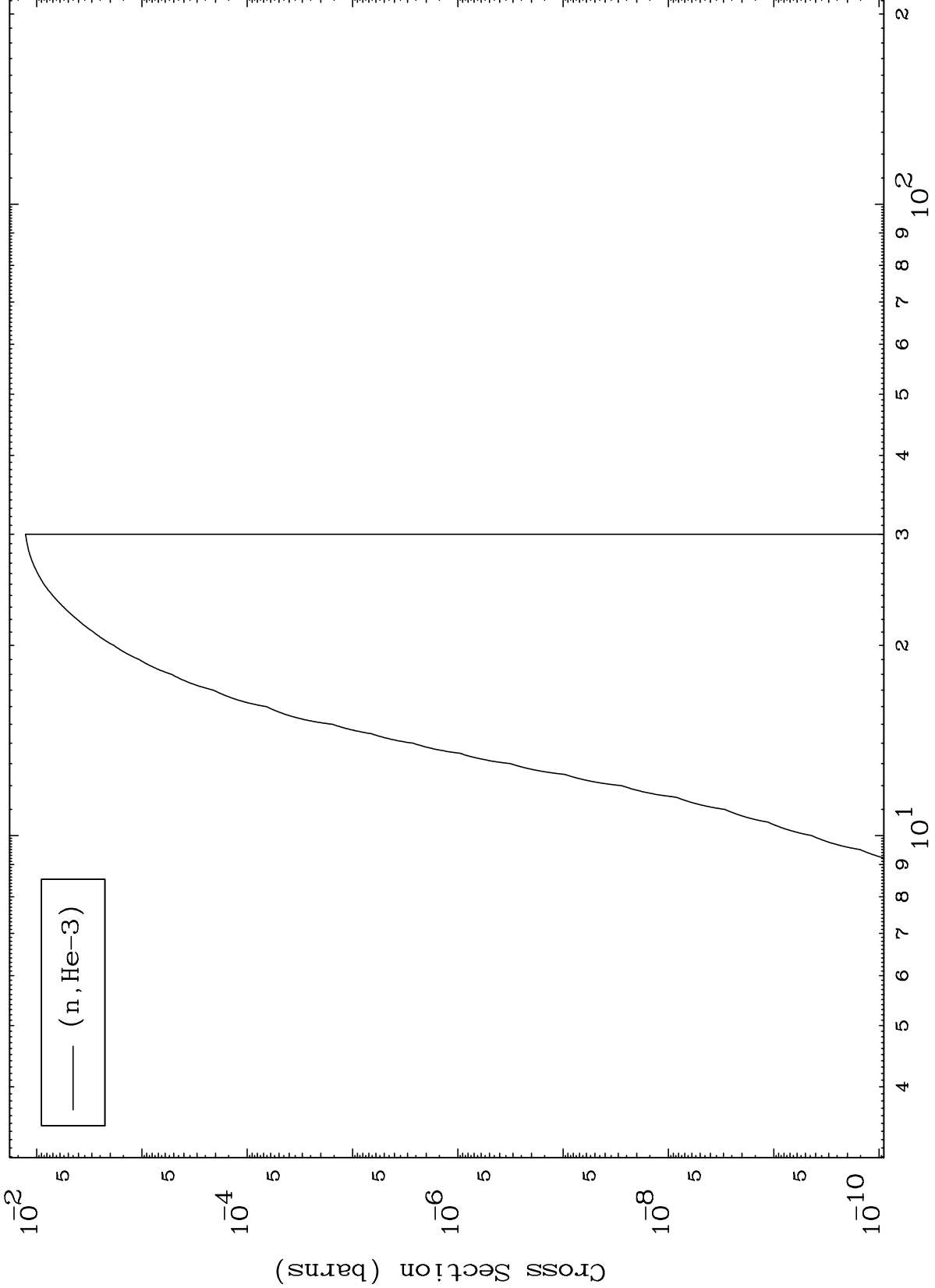
Incident Energy (MeV)

40-Zr-85

MAT 4010

(n,He3) Levels
293 Kelvin Cross Sections

40-Zr-85



13

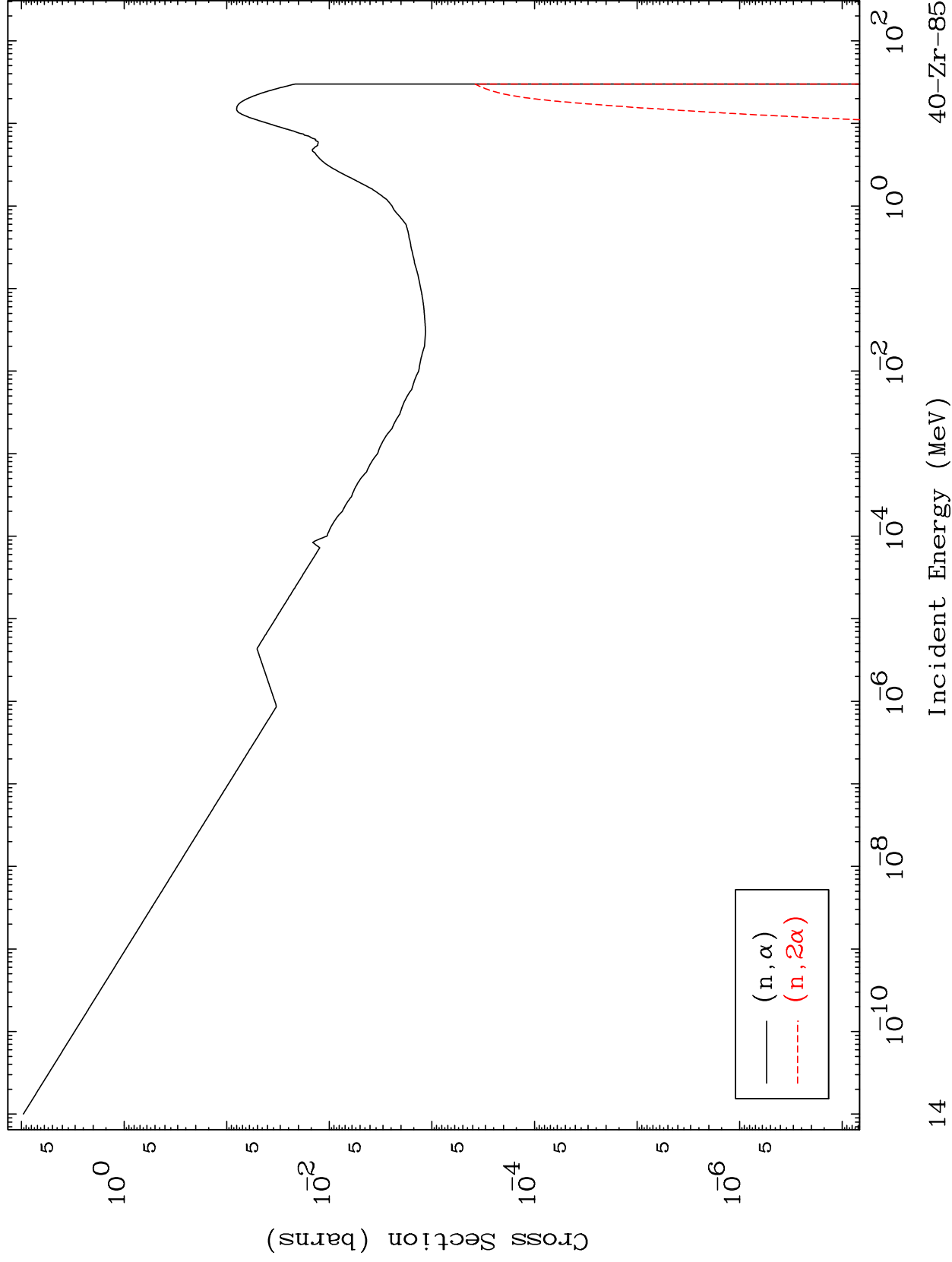
Incident Energy (MeV)

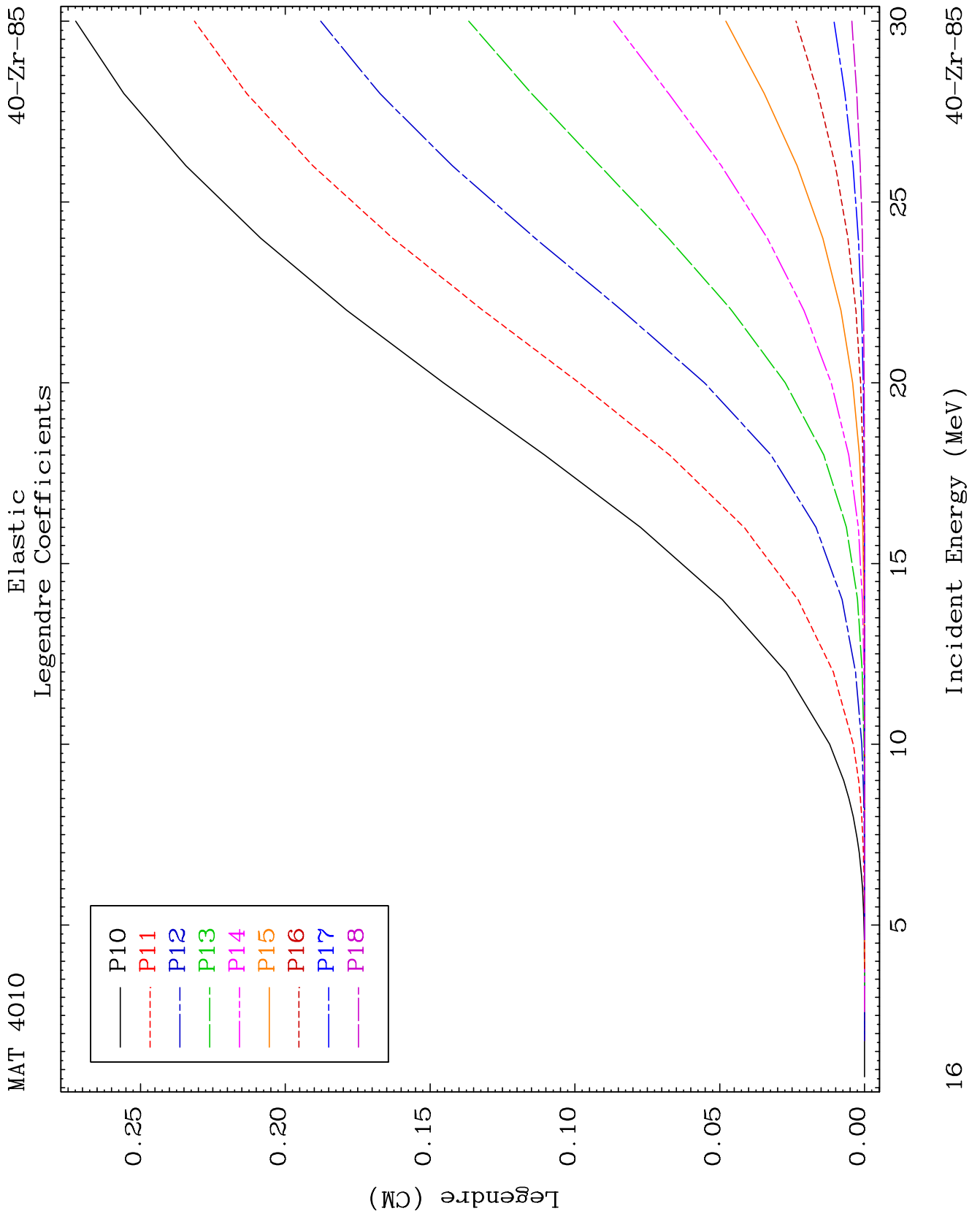
40-Zr-85

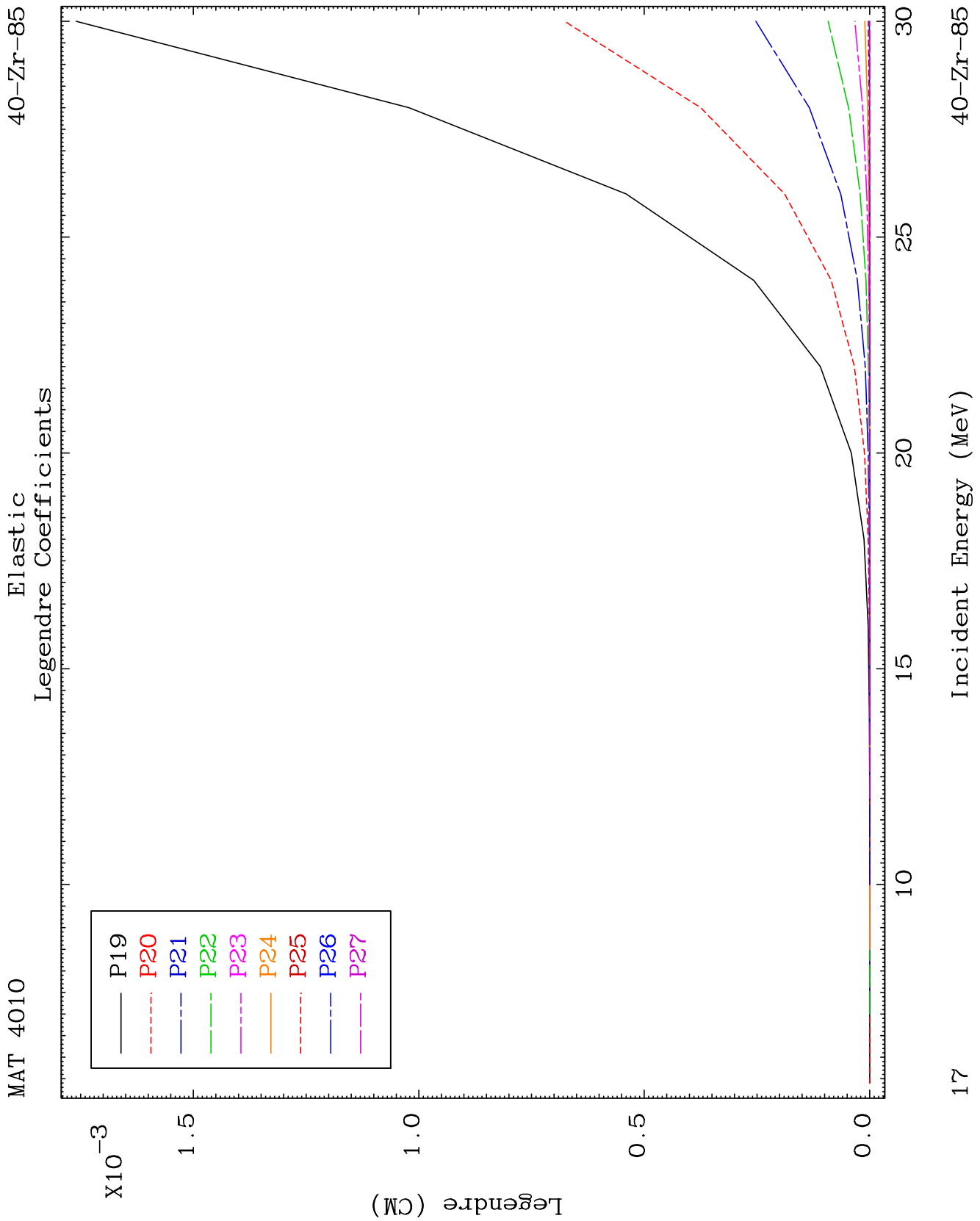
MAT 4010

(n,α) Levels
293 Kelvin Cross Sections

40-Zr-85







MAT 4010

Elastic Legendre Coefficients

40-Zr-85

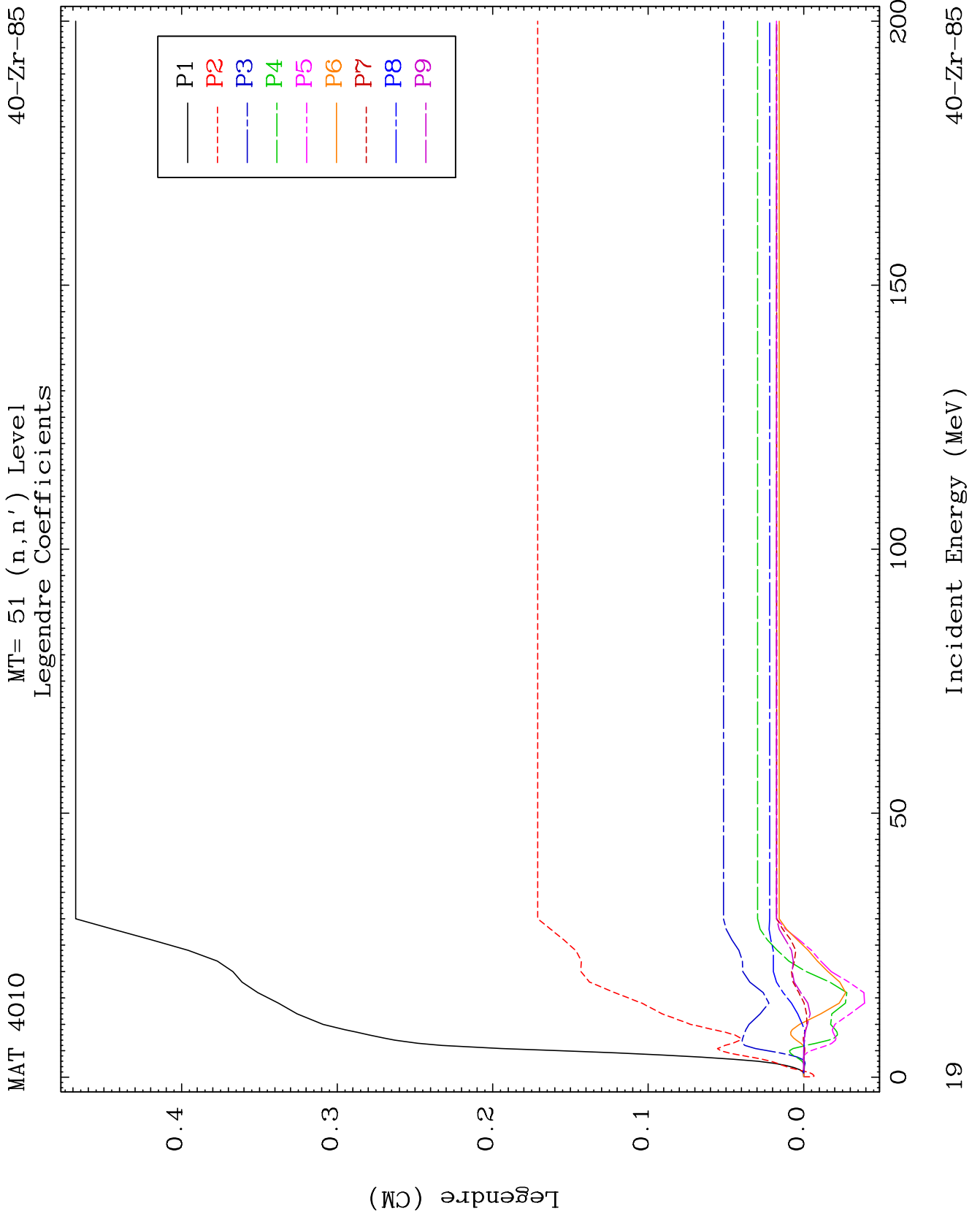
17

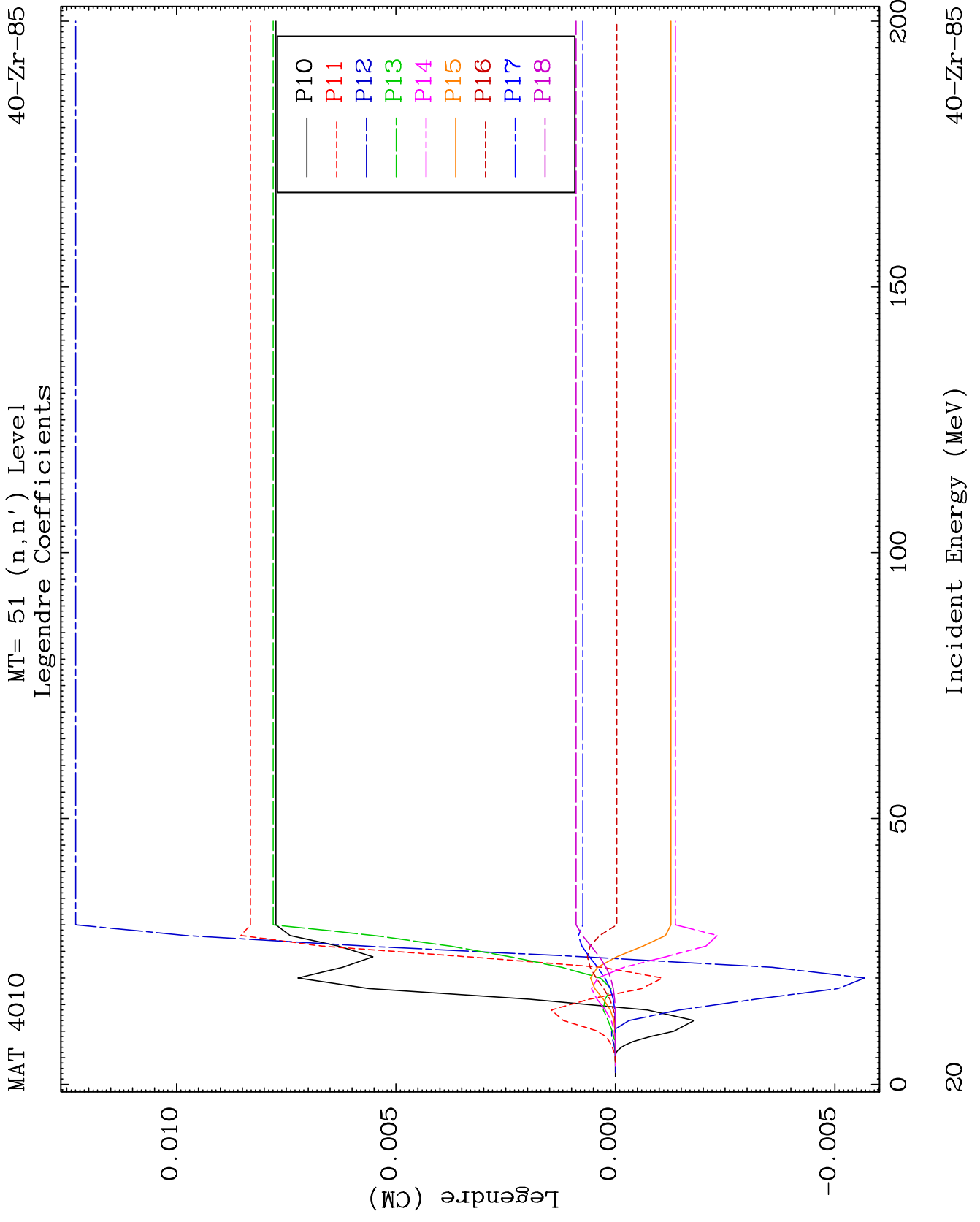
Incident Energy (MeV)

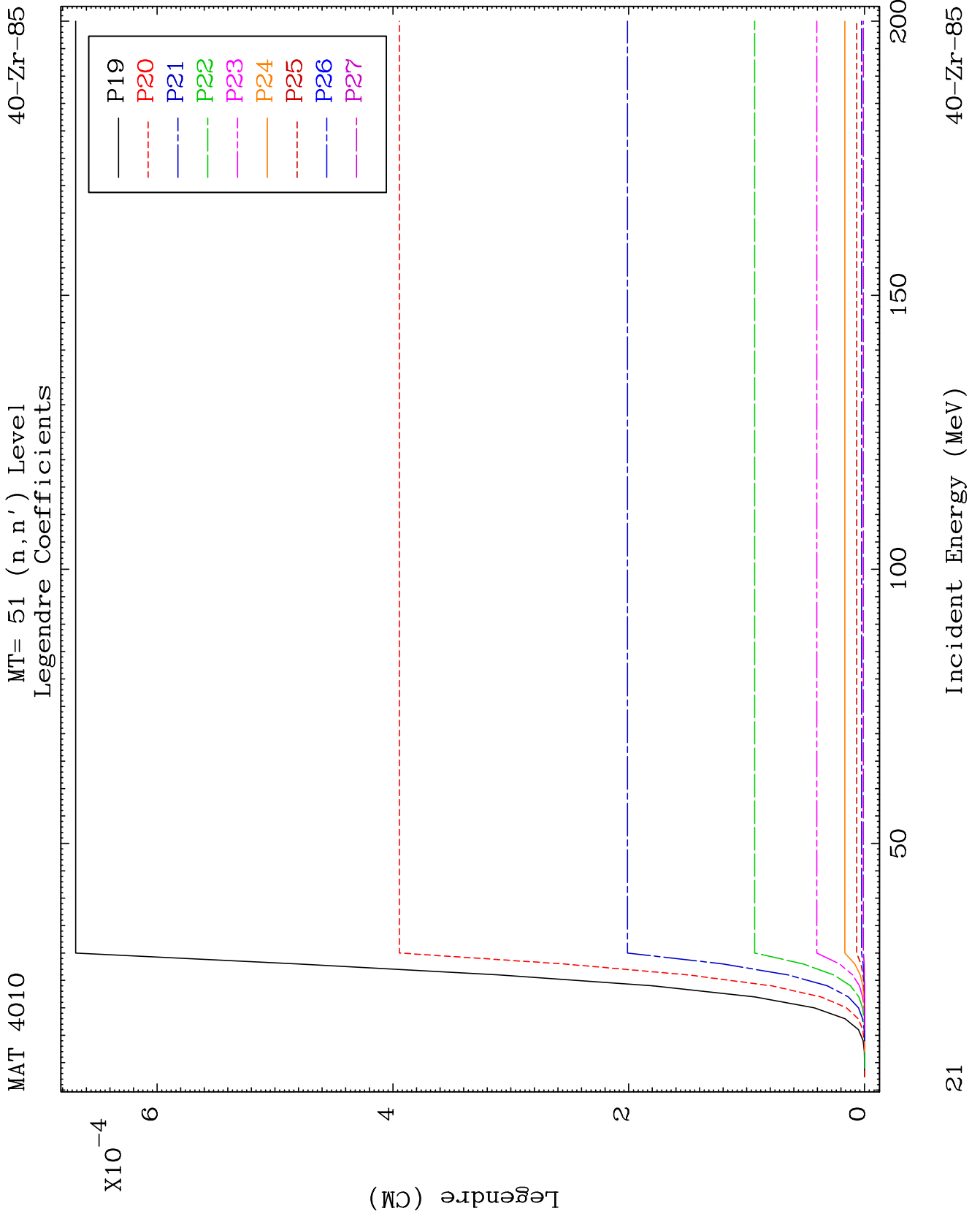
40-Zr-85

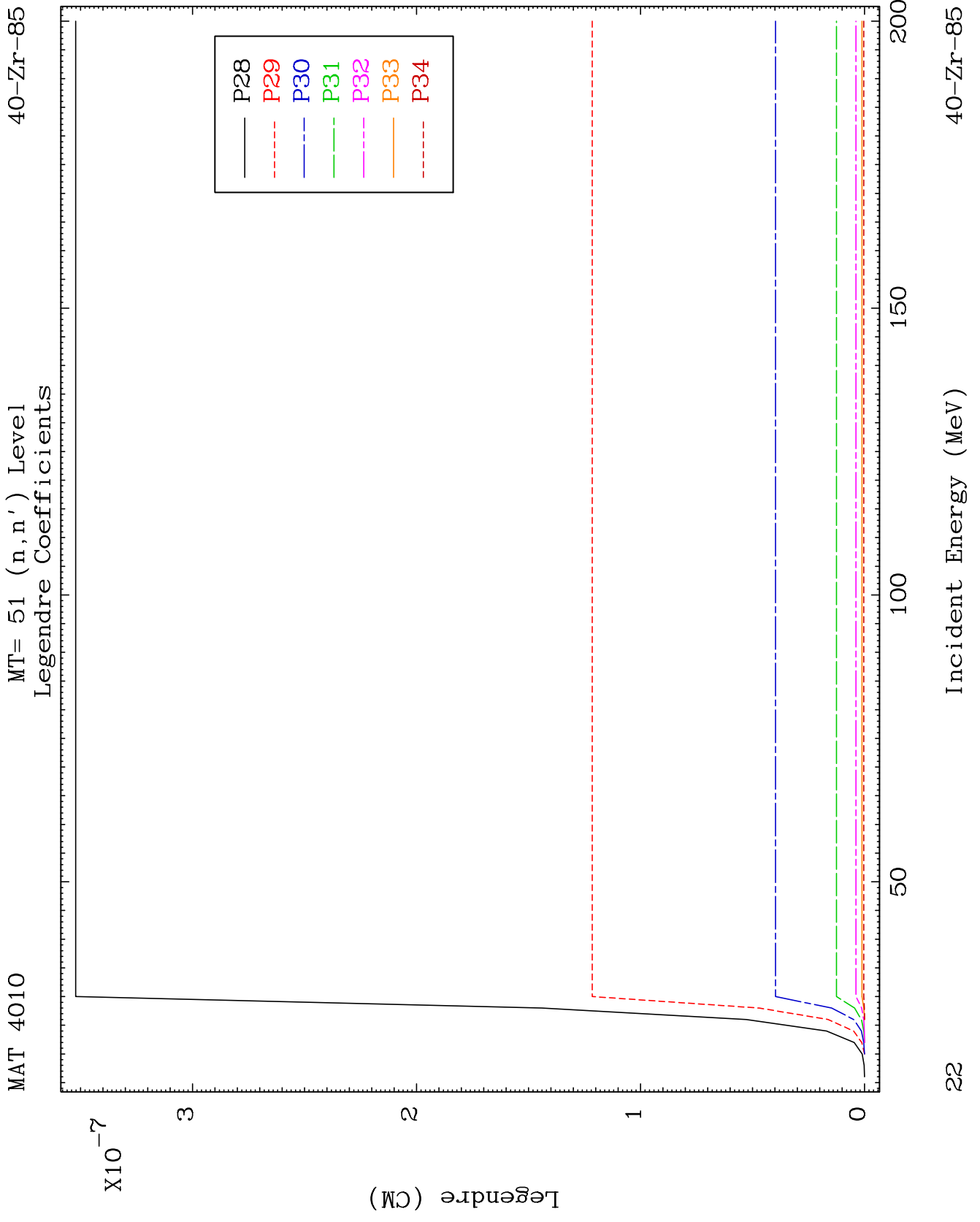
X10⁻³

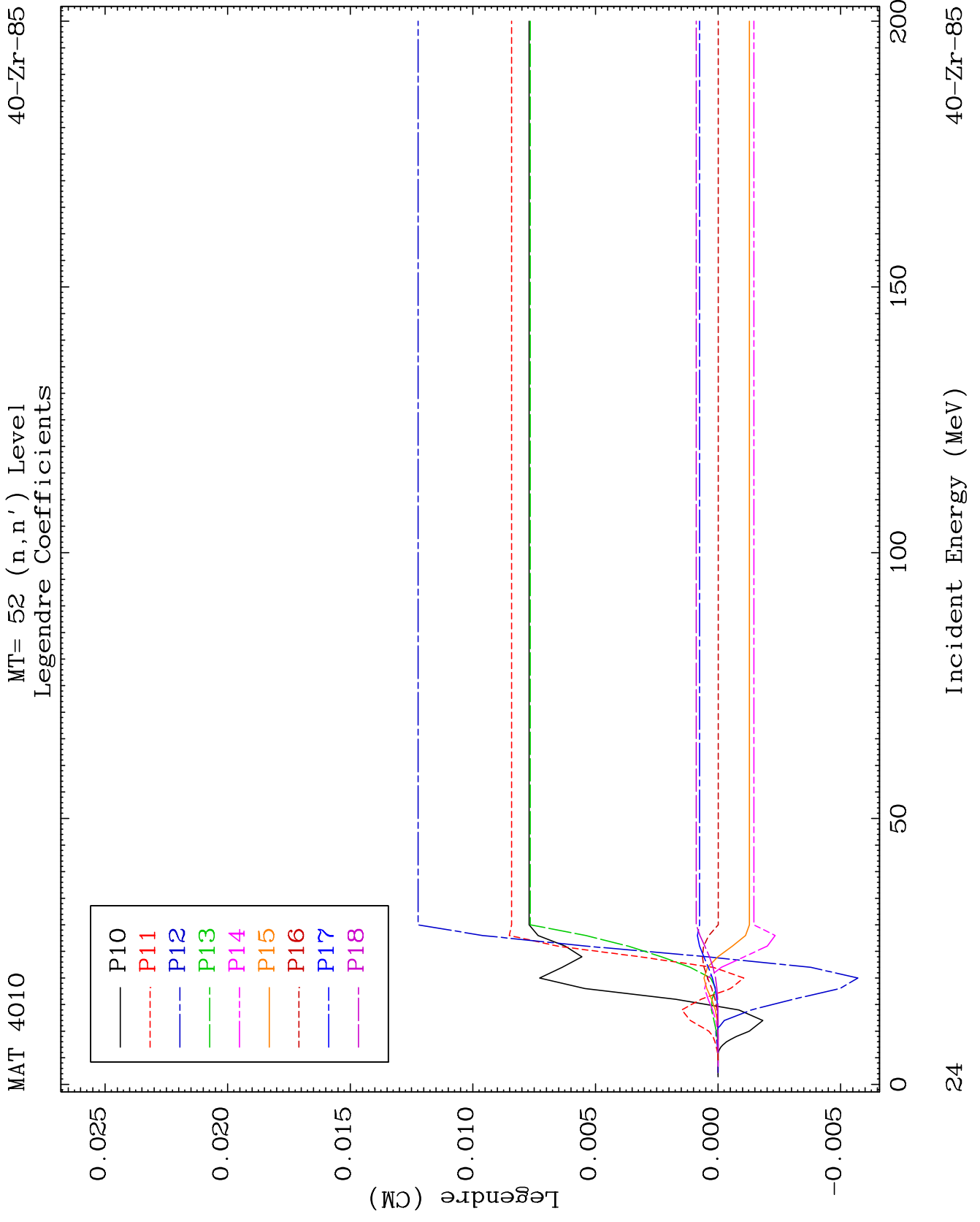
Legendre (CM)

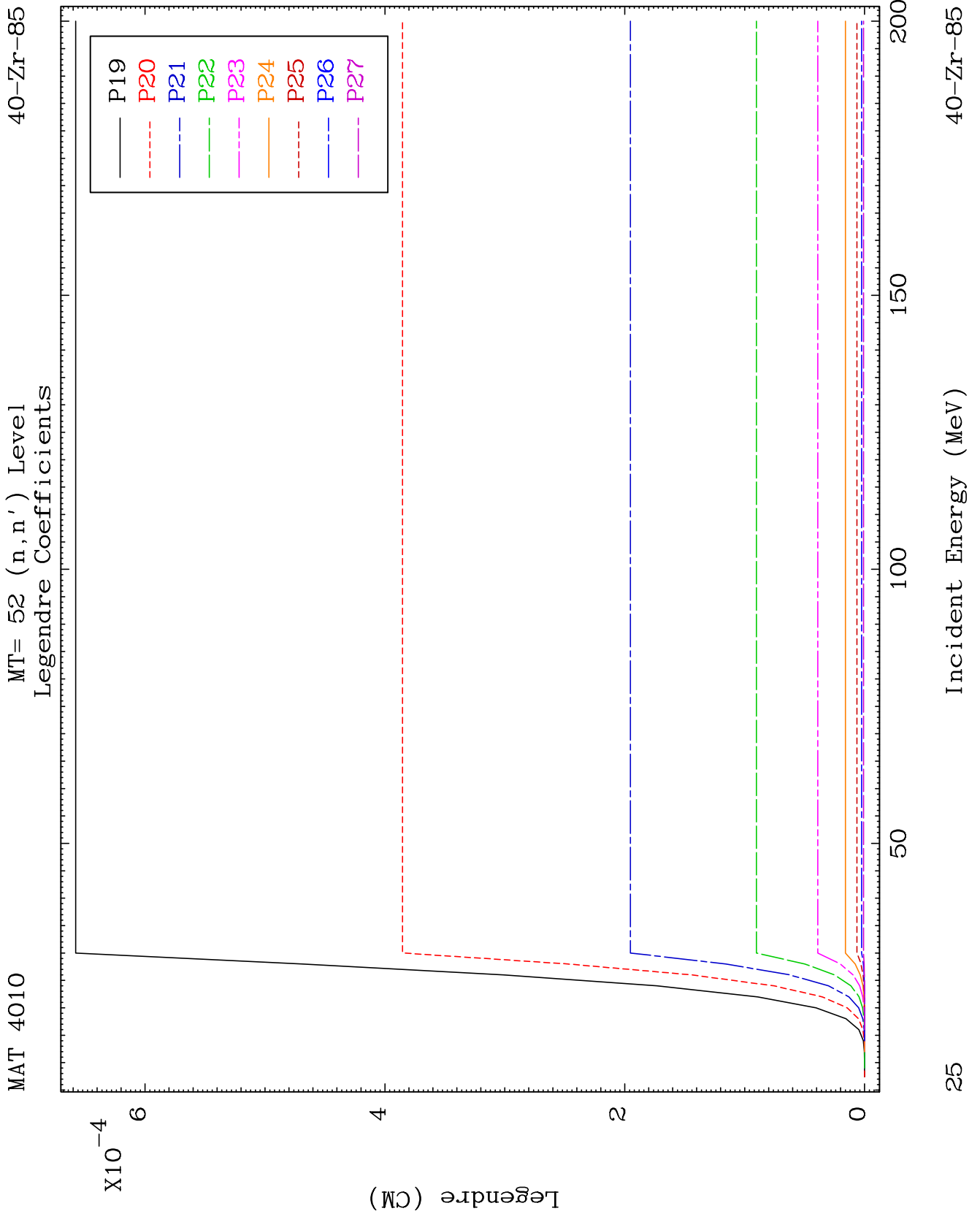


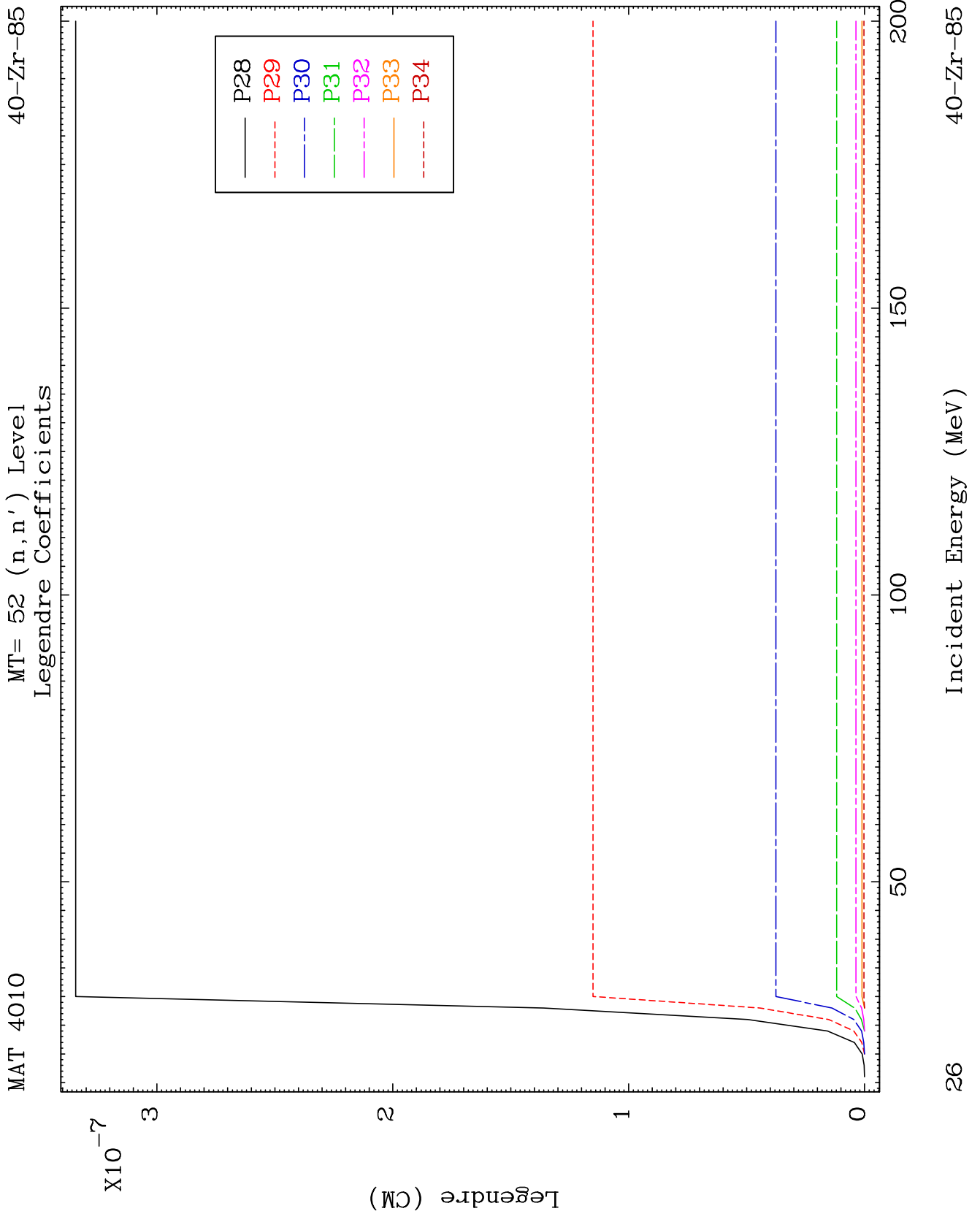


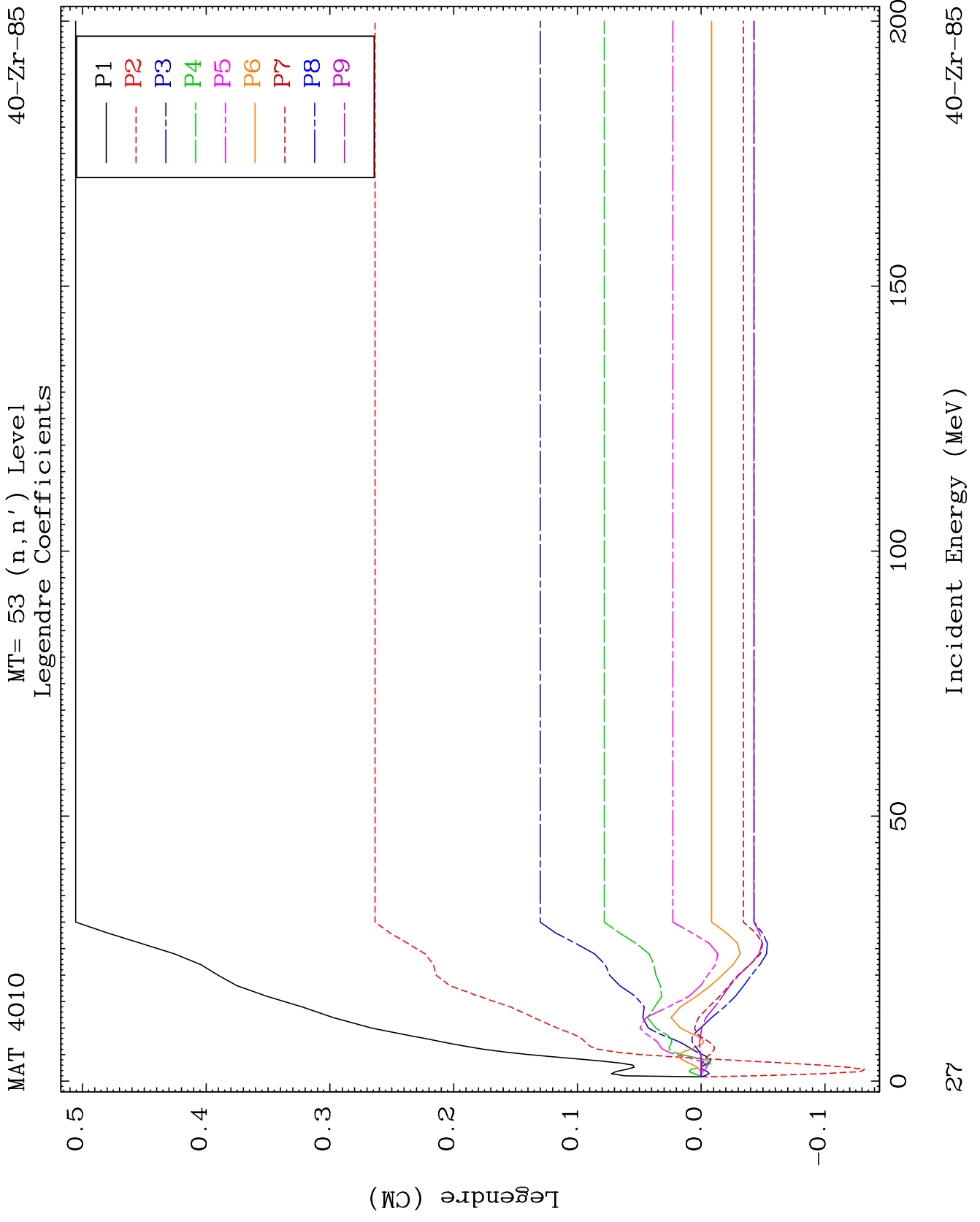


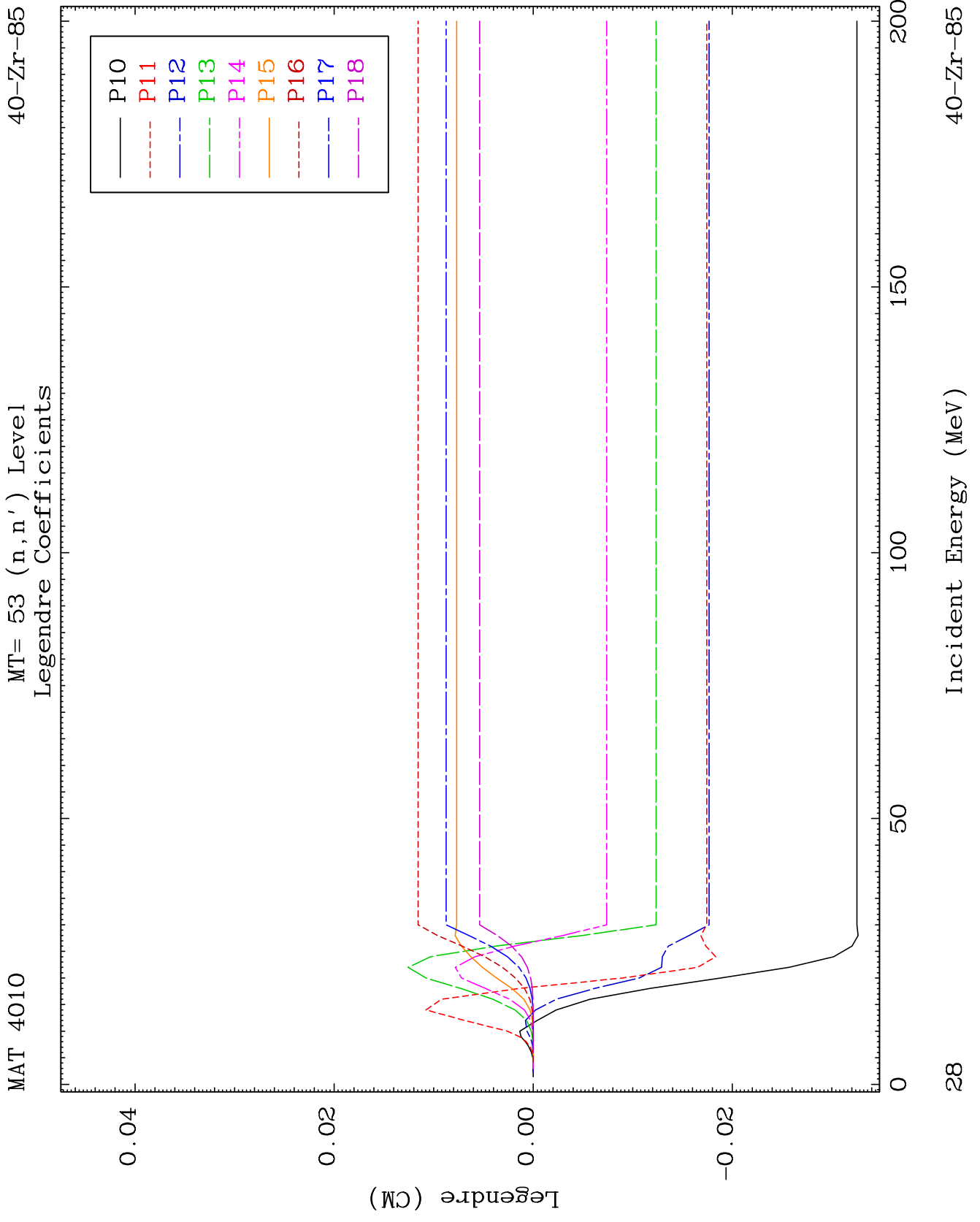


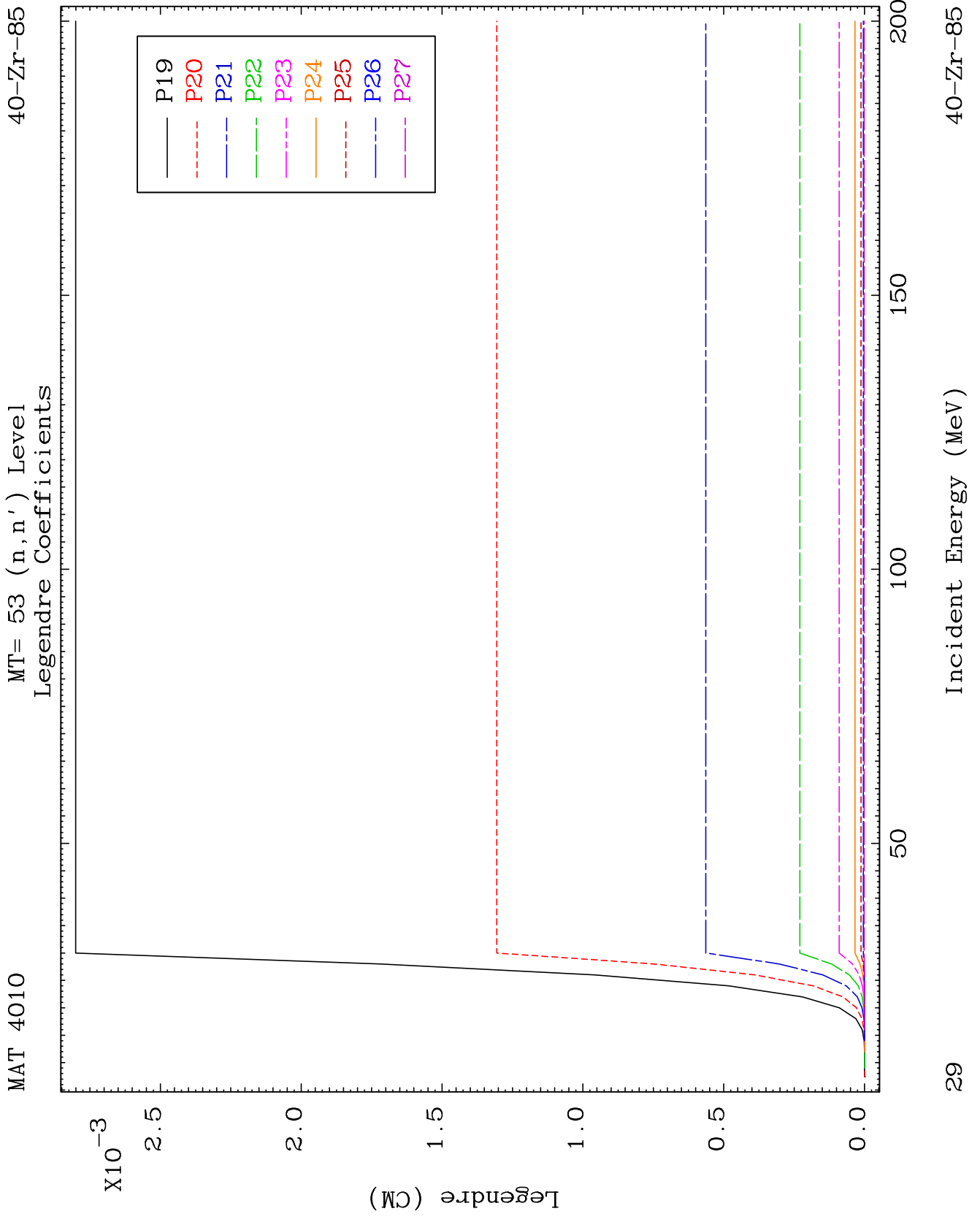


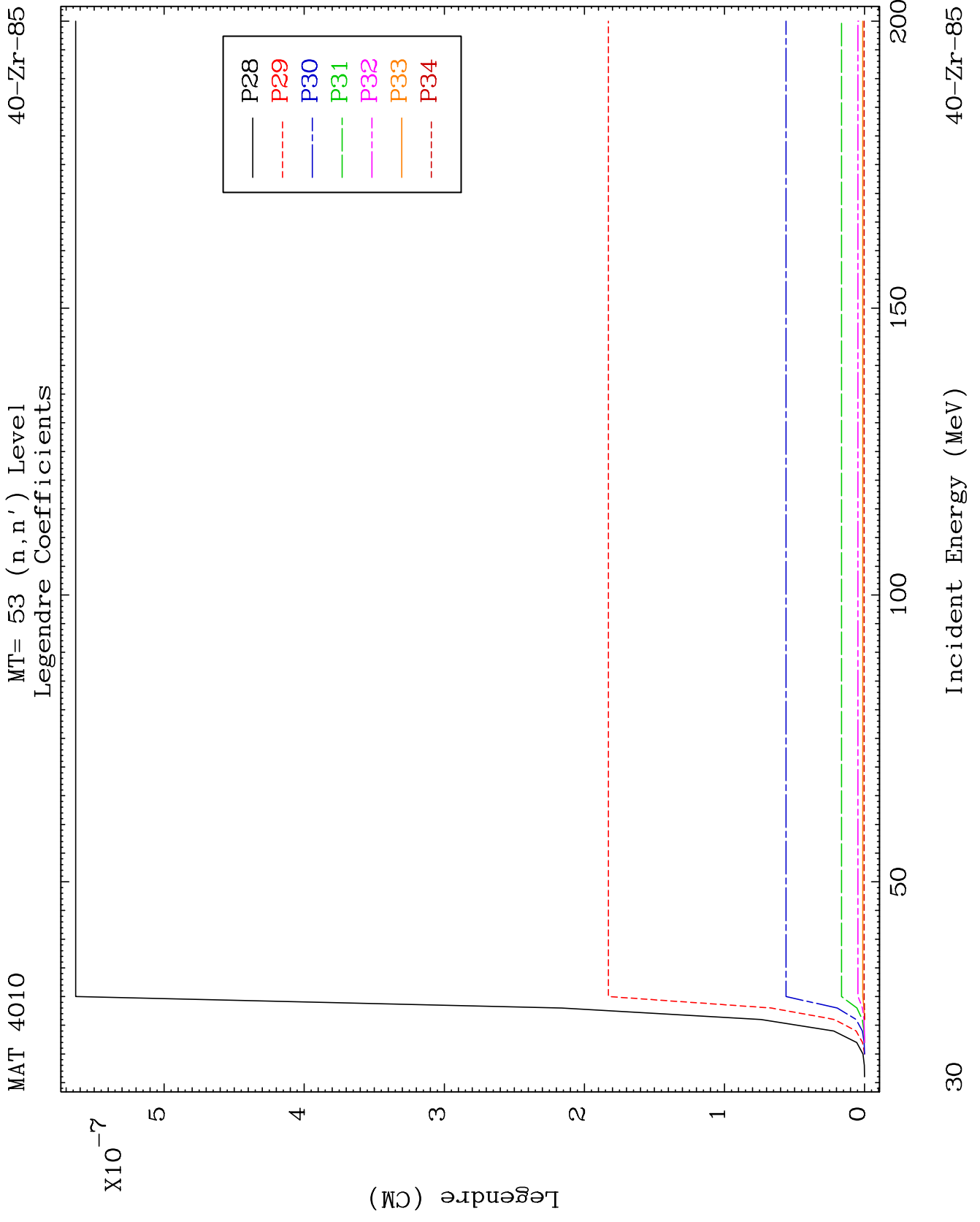


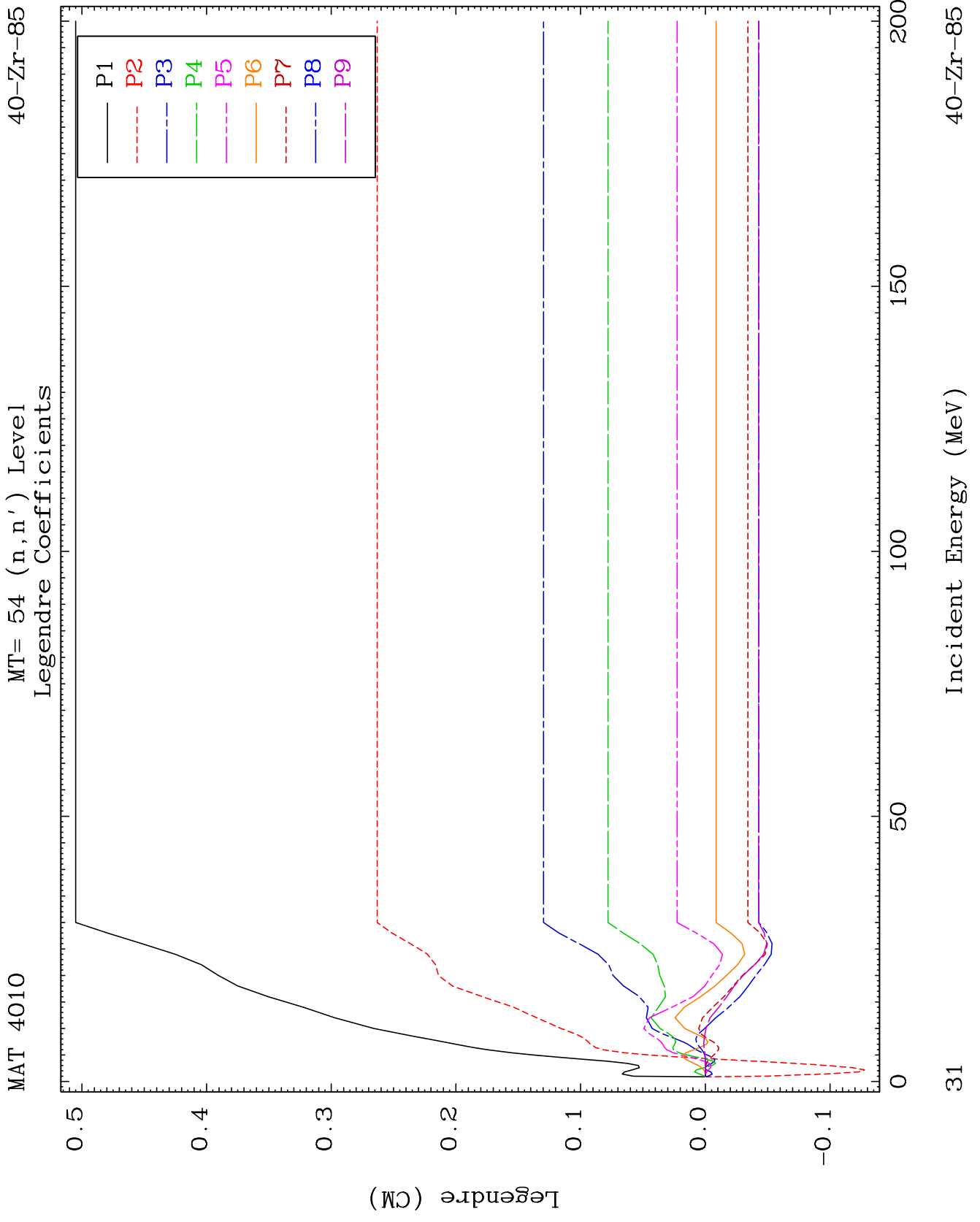


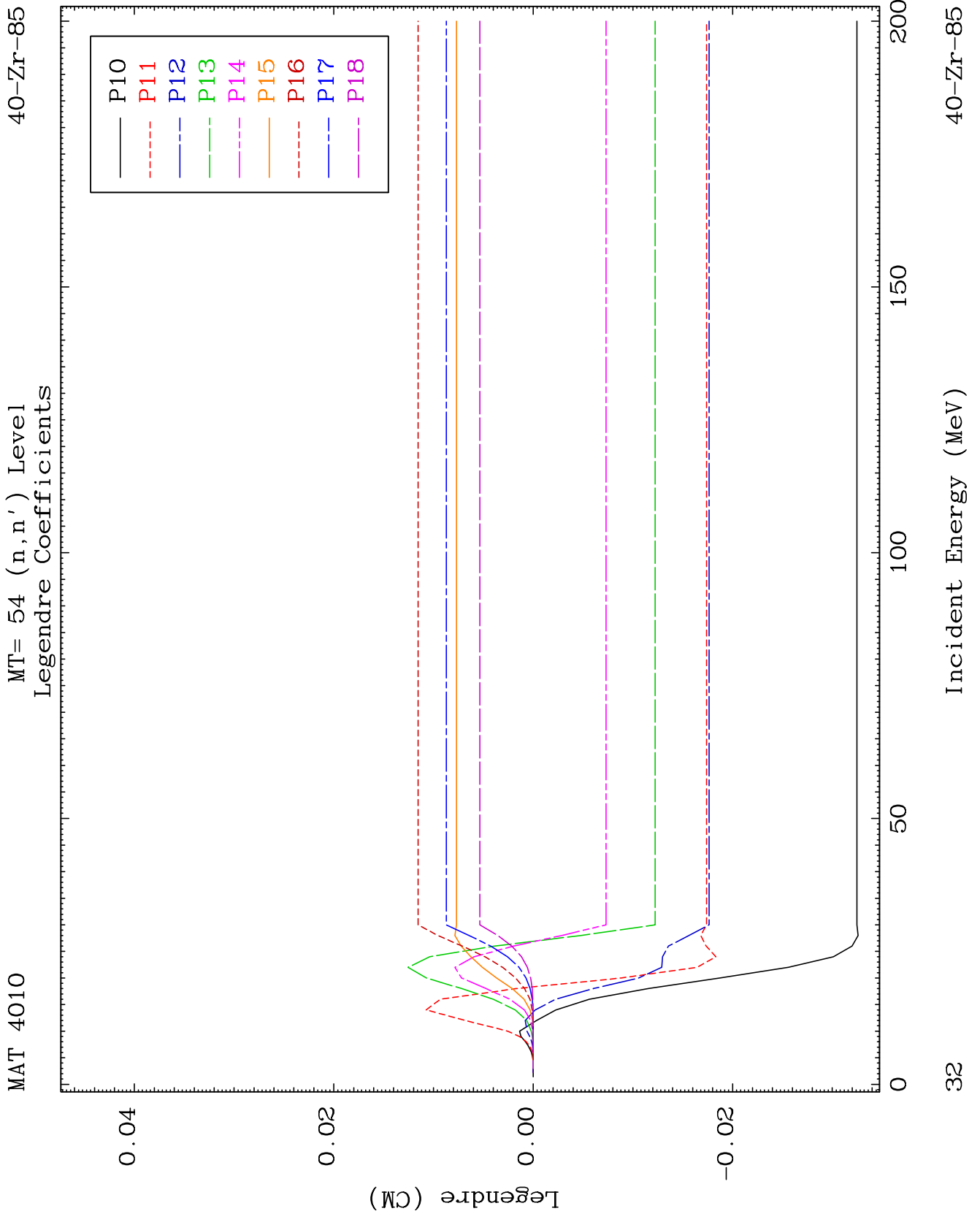


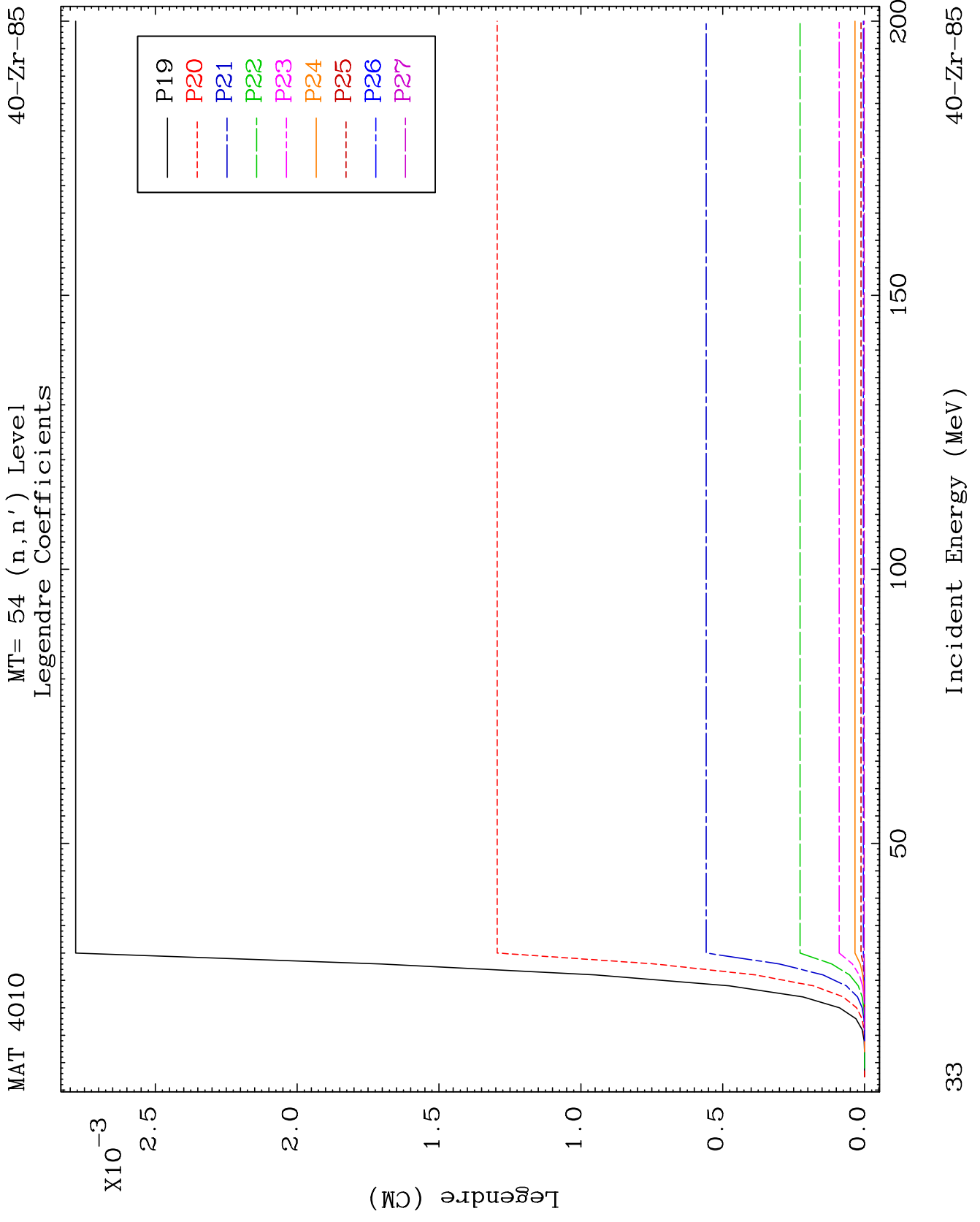


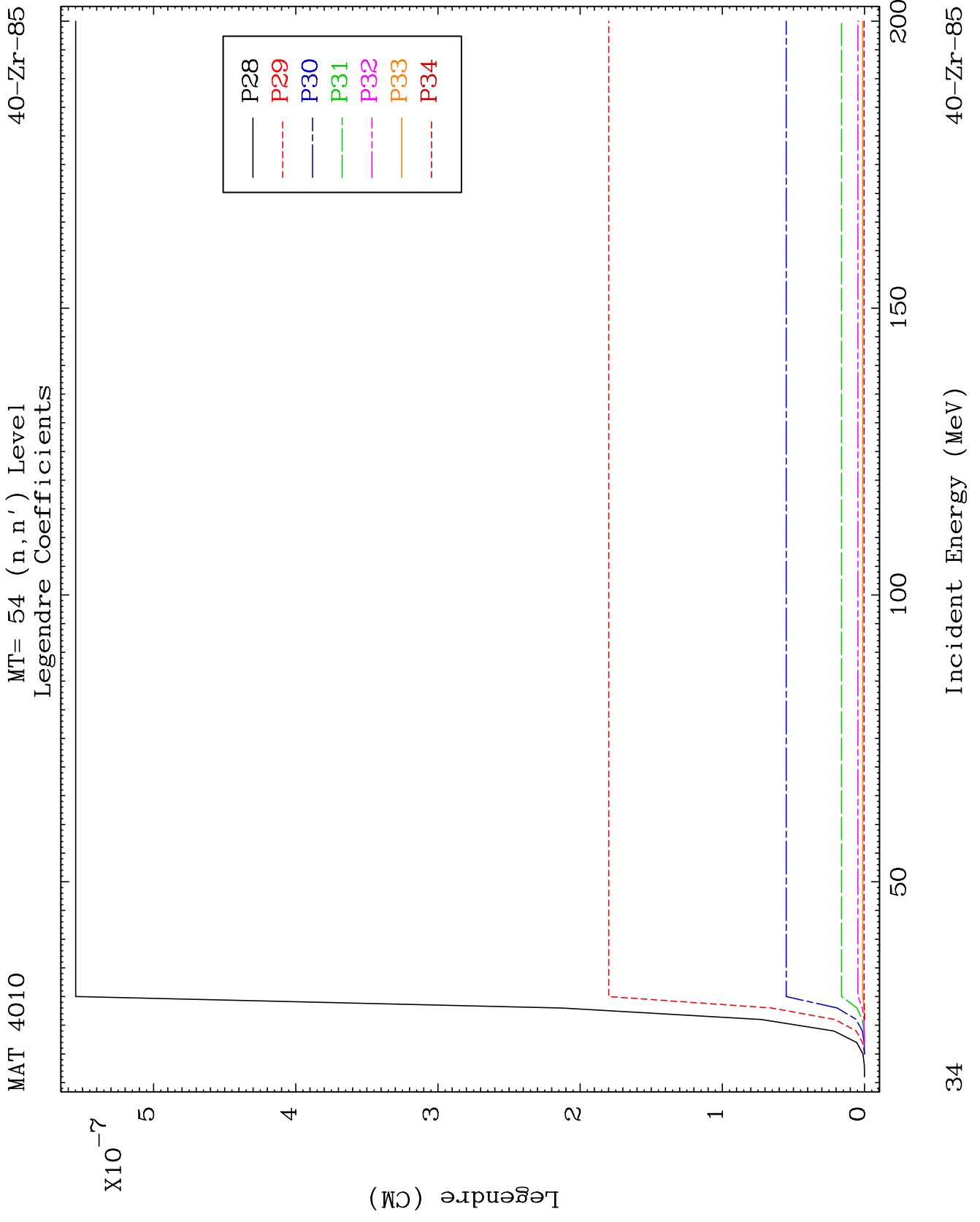


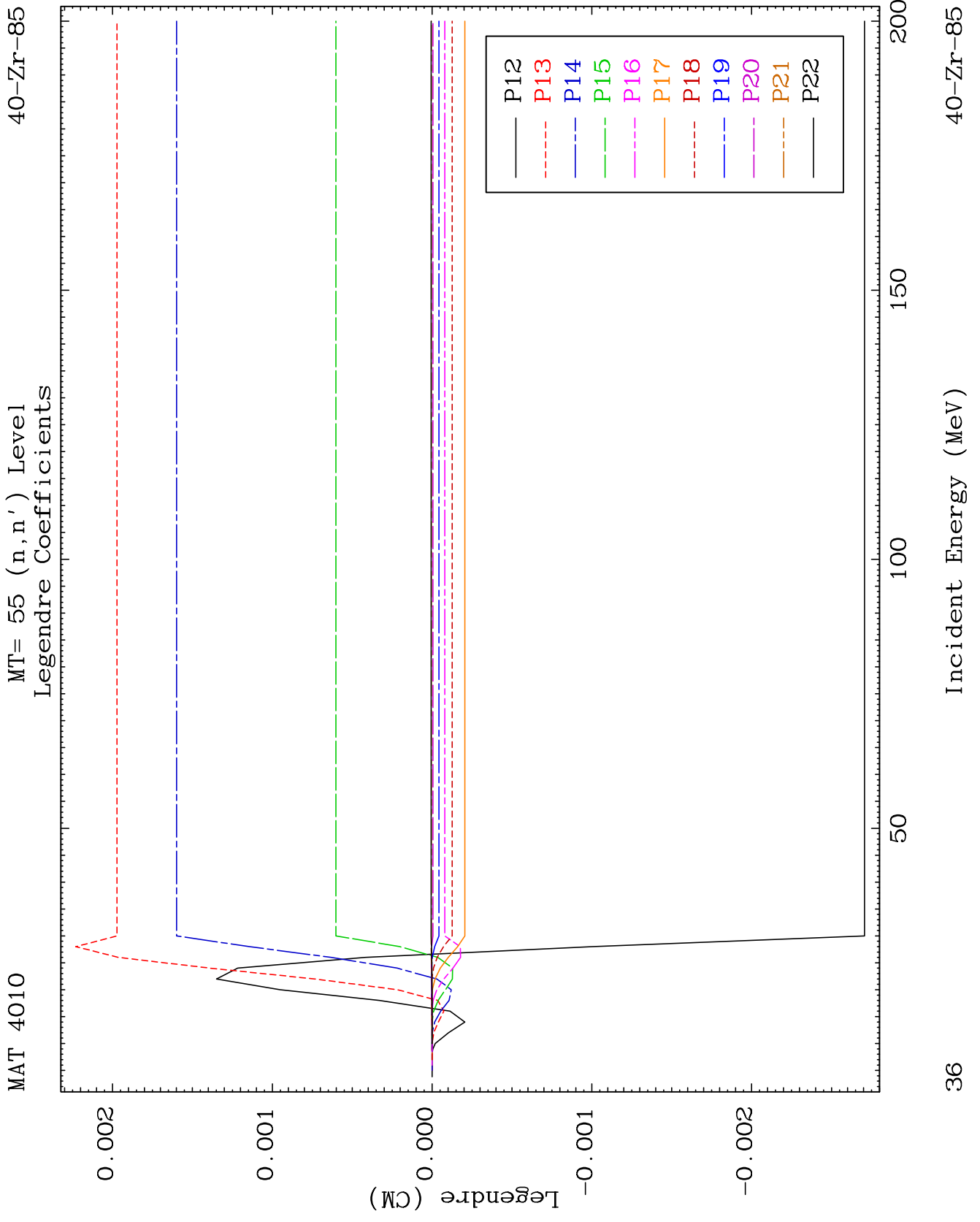


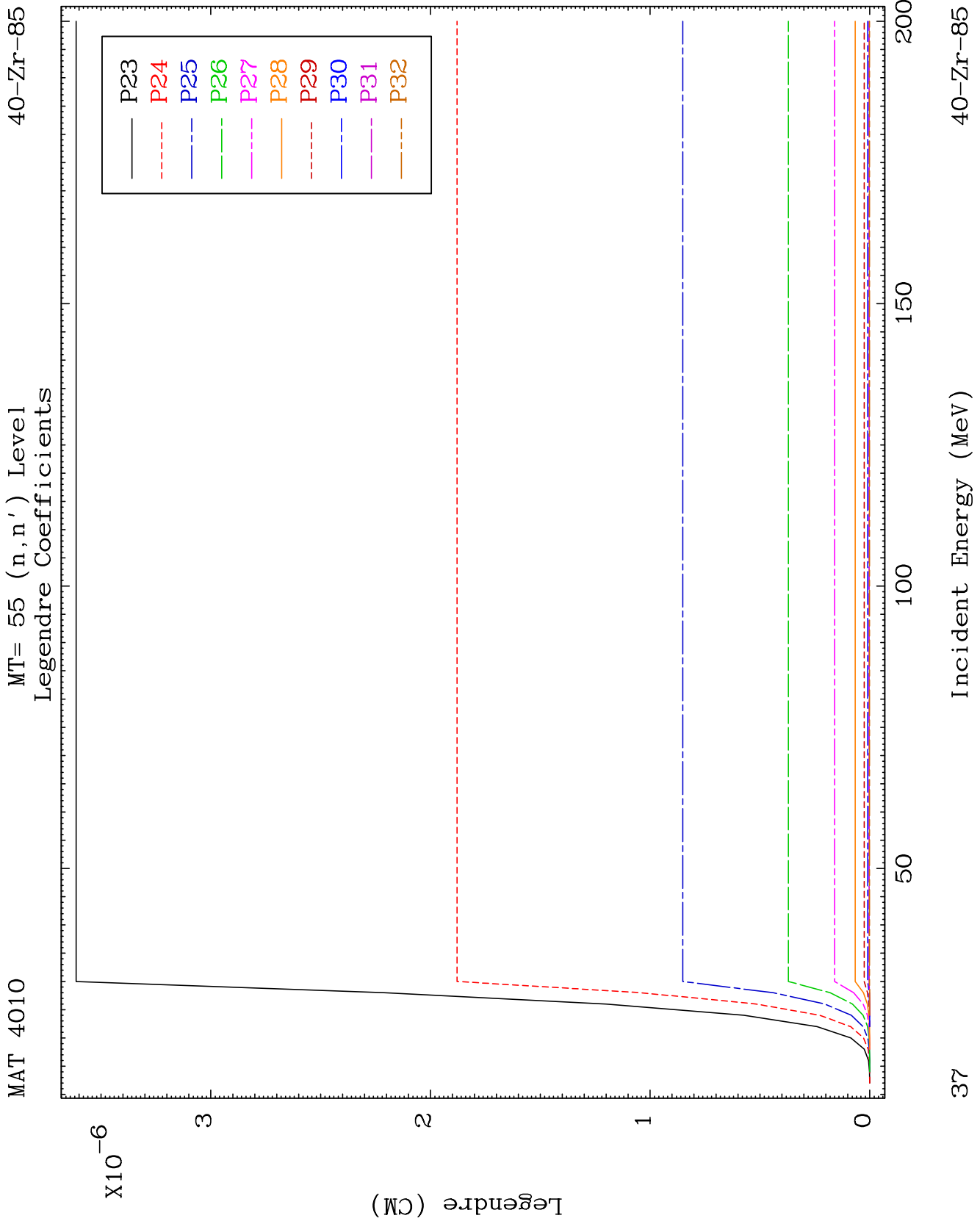


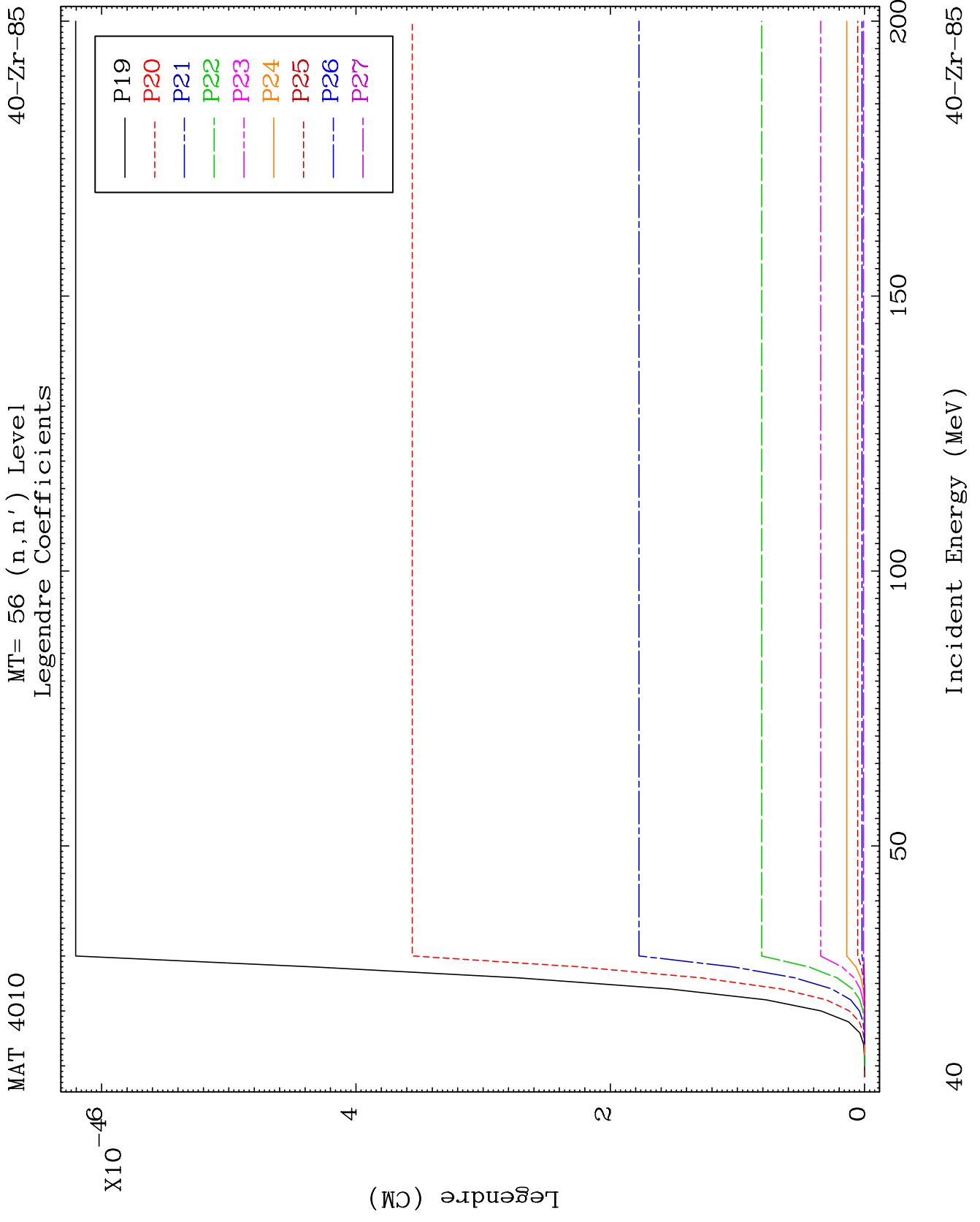


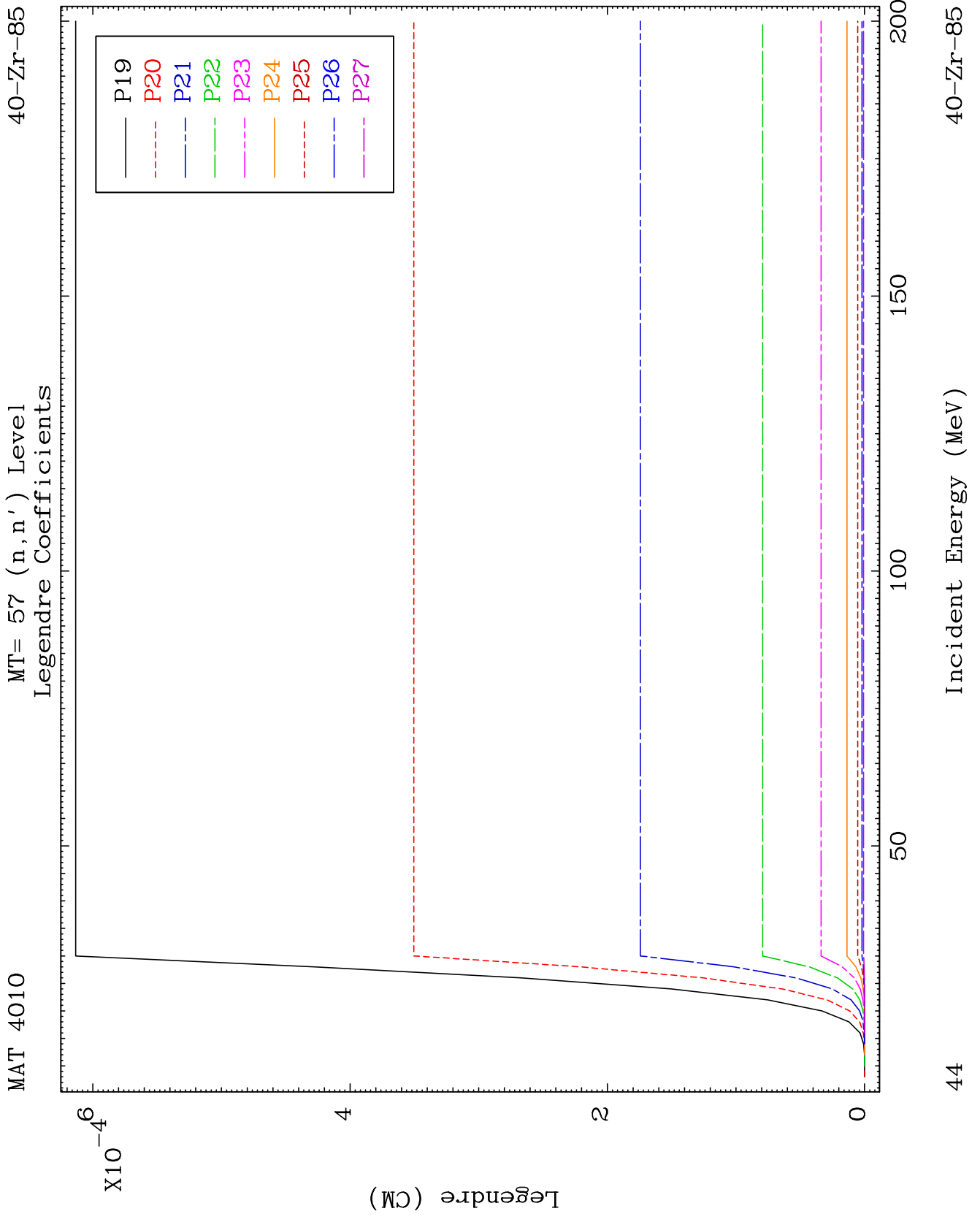


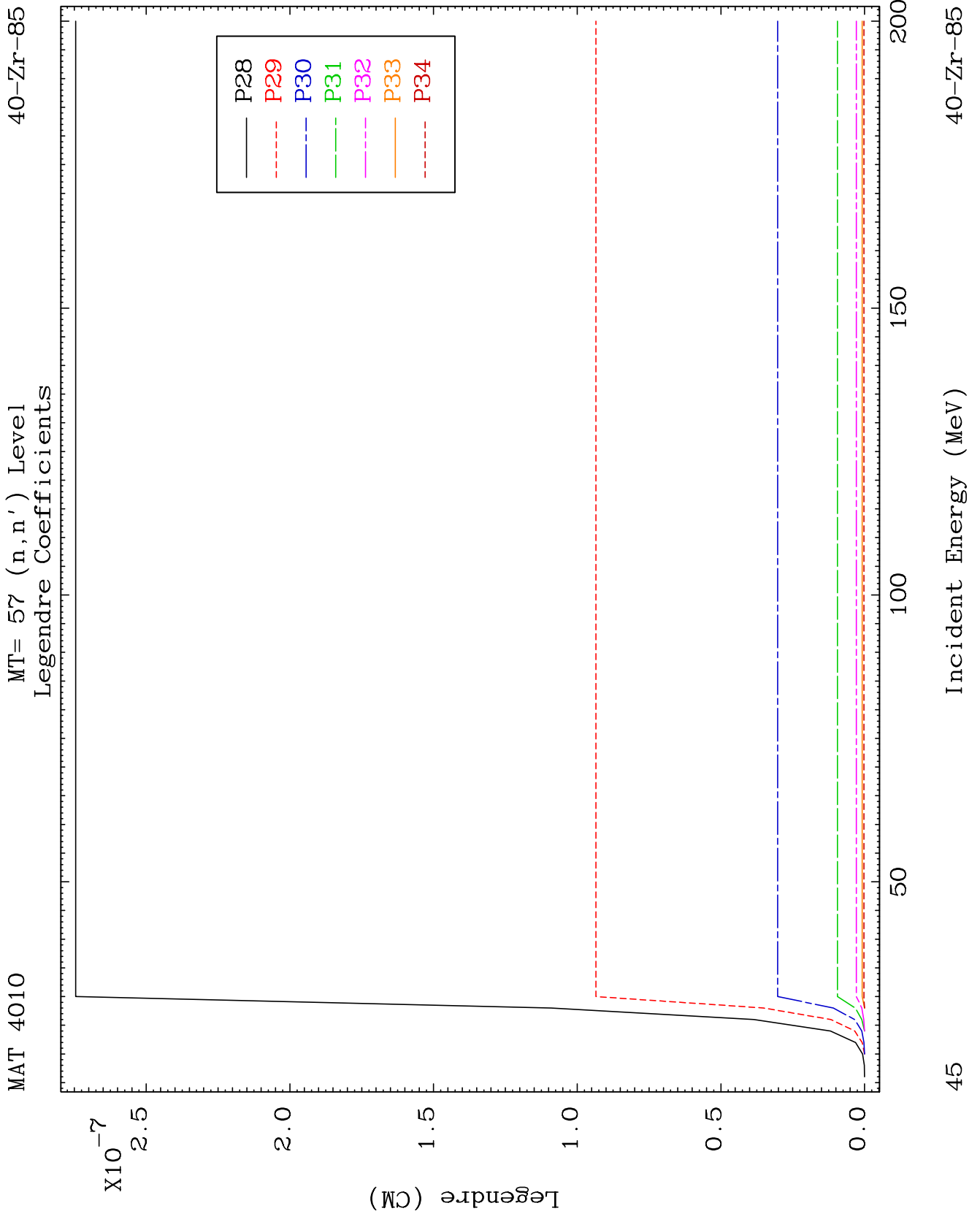


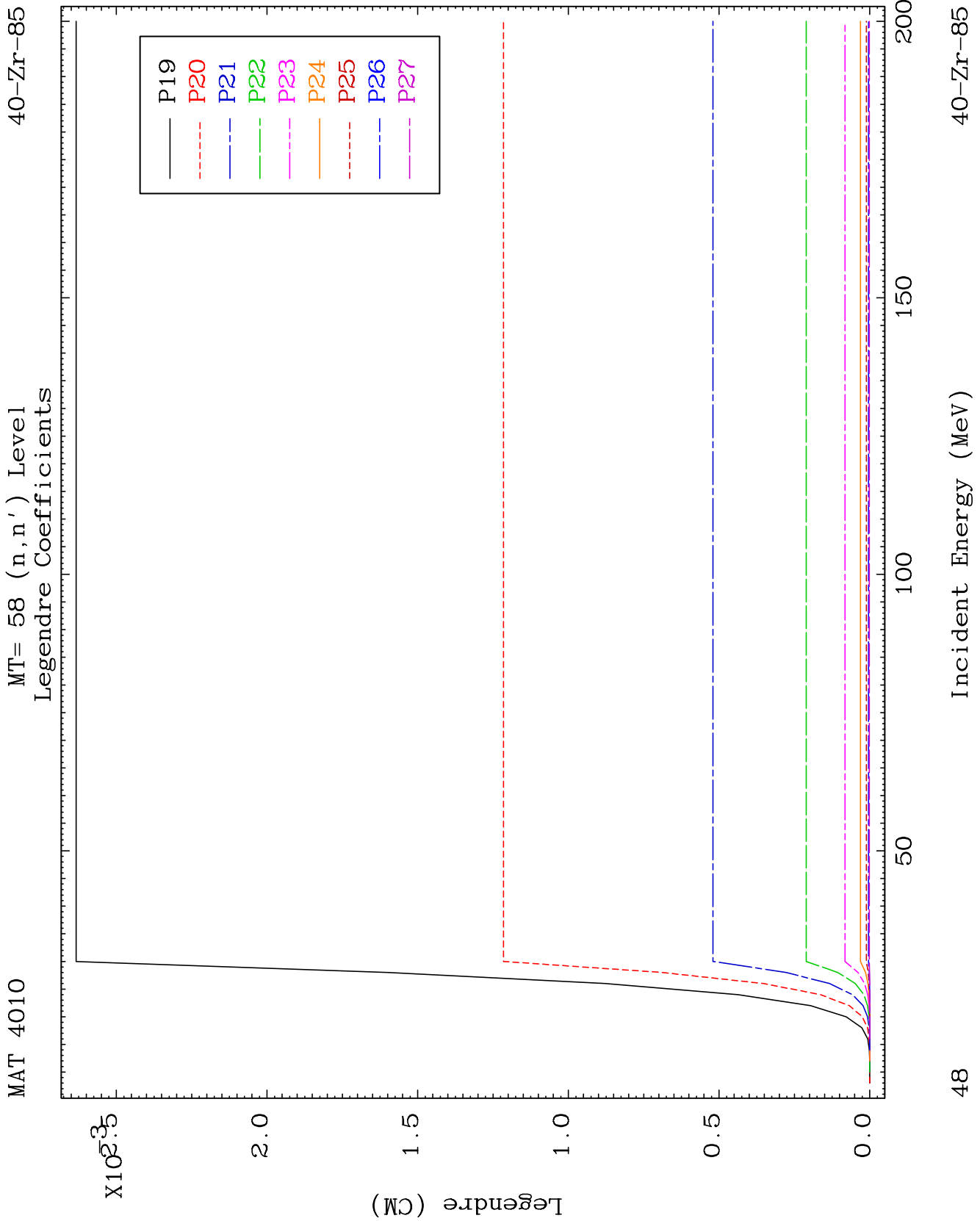


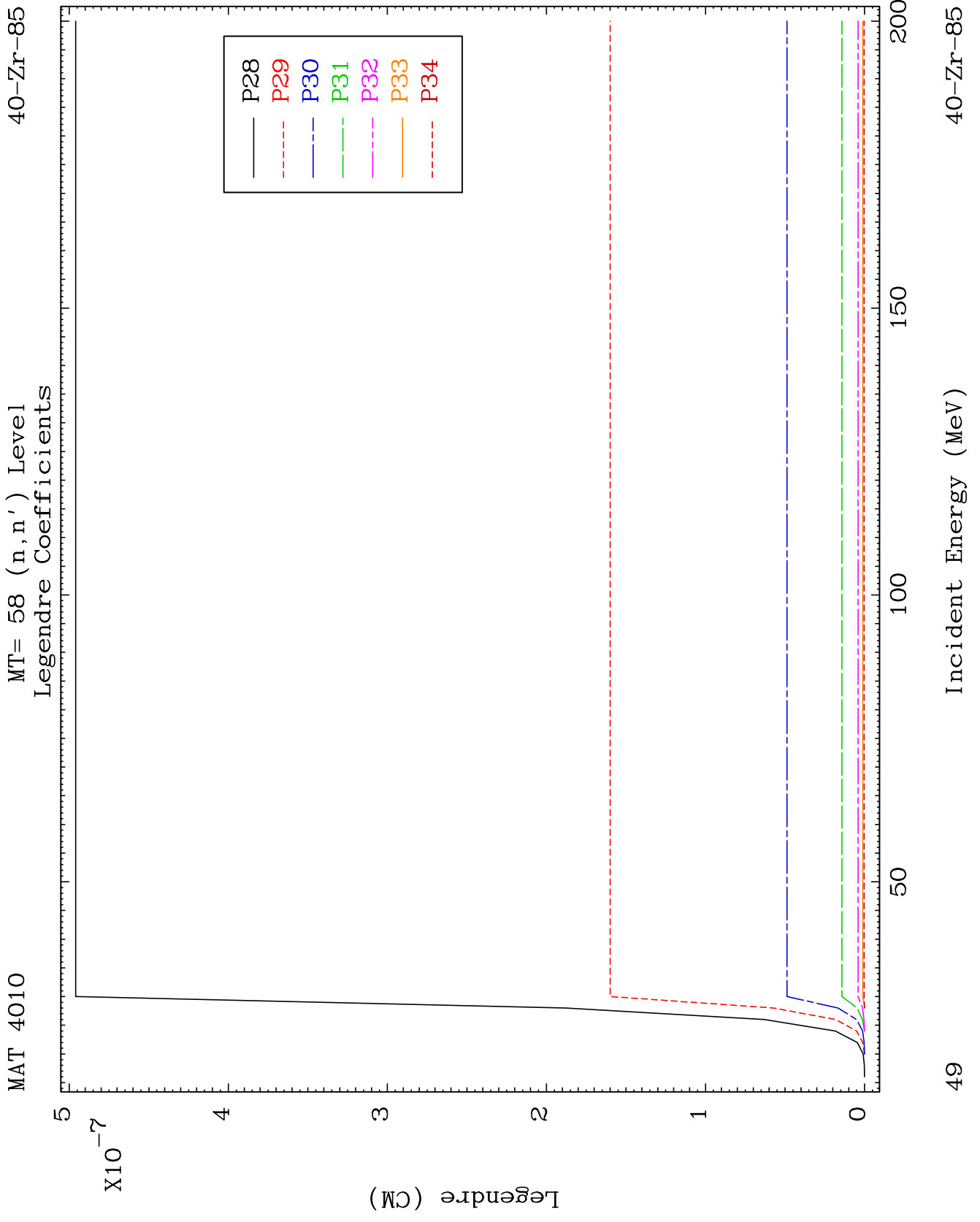


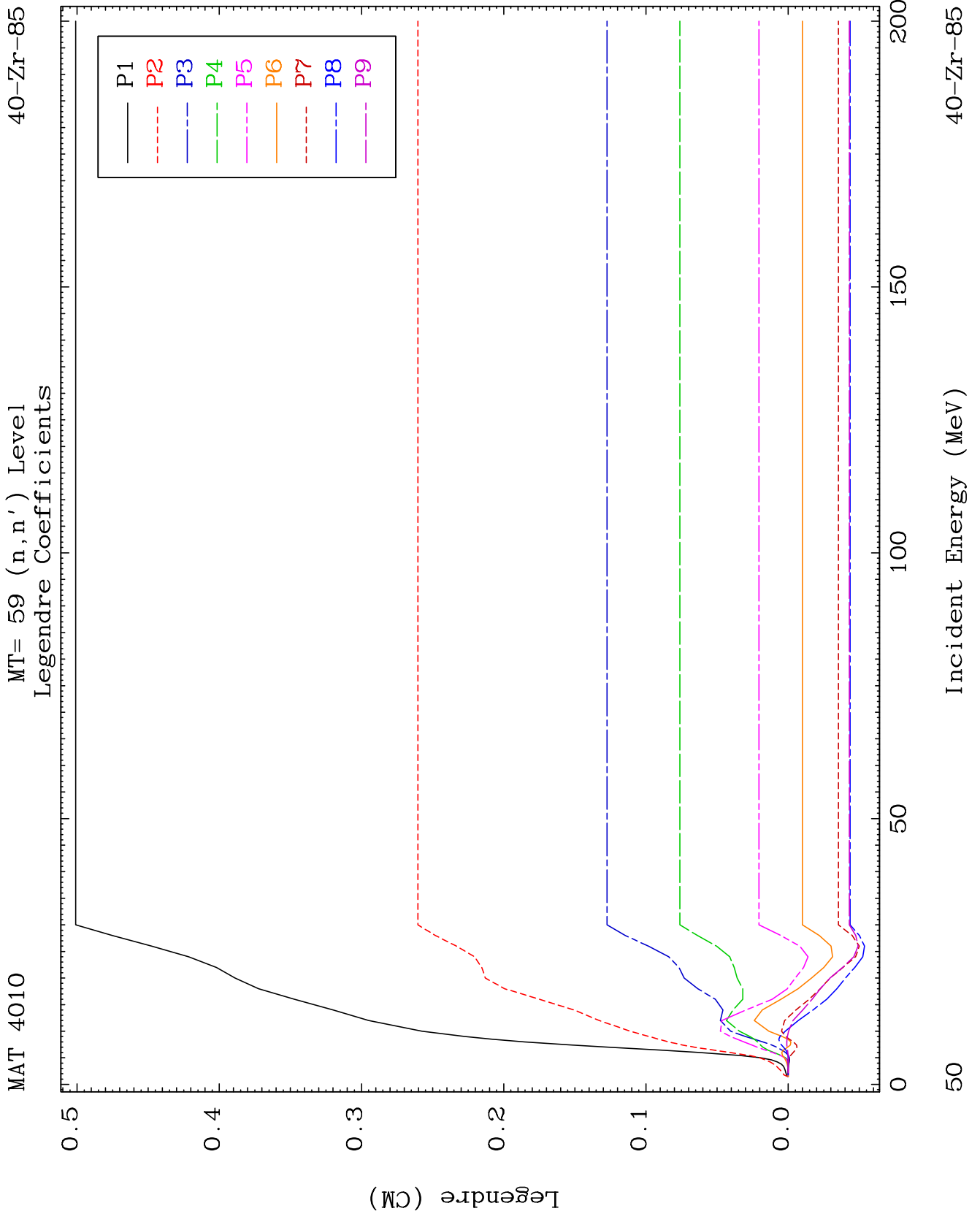


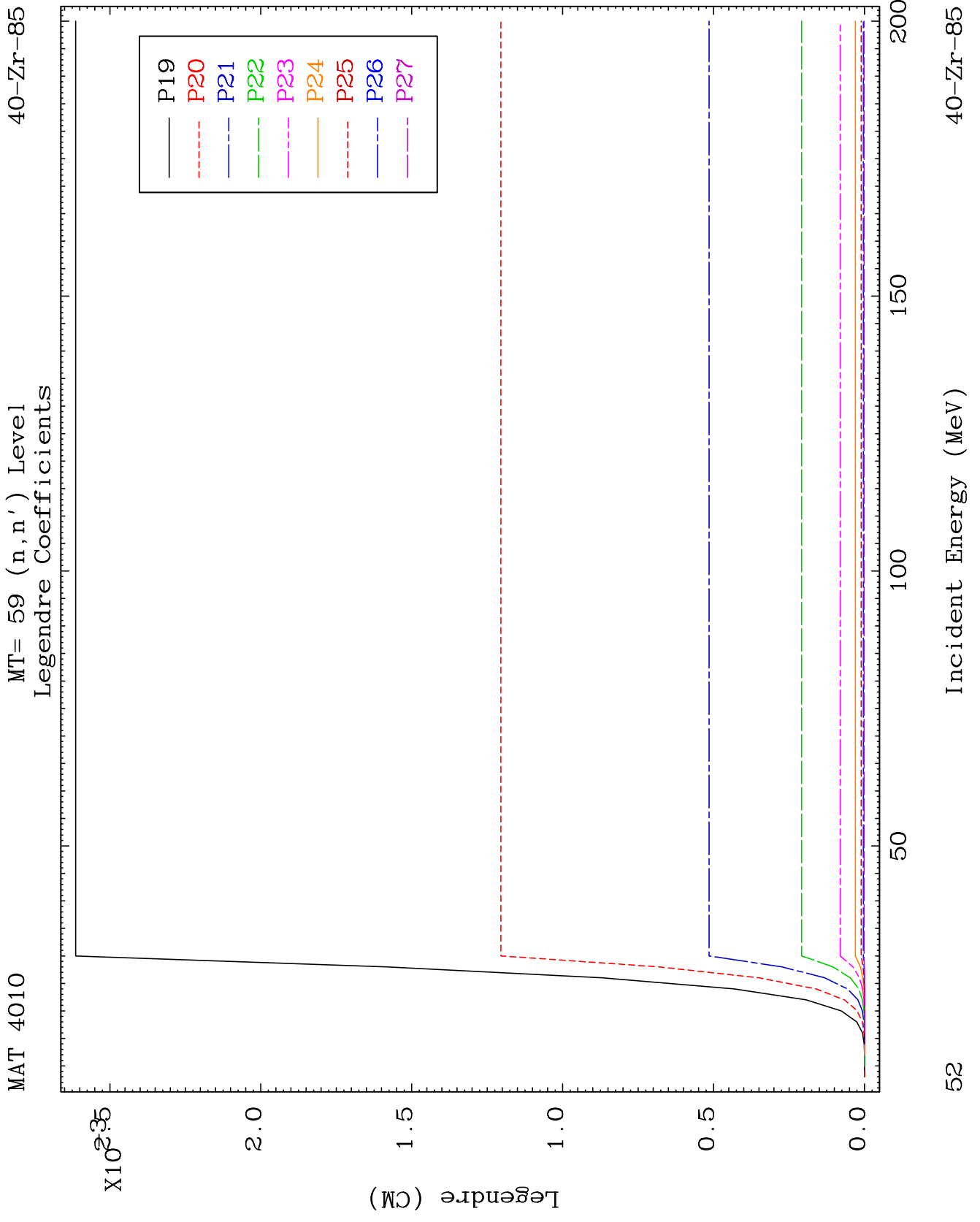


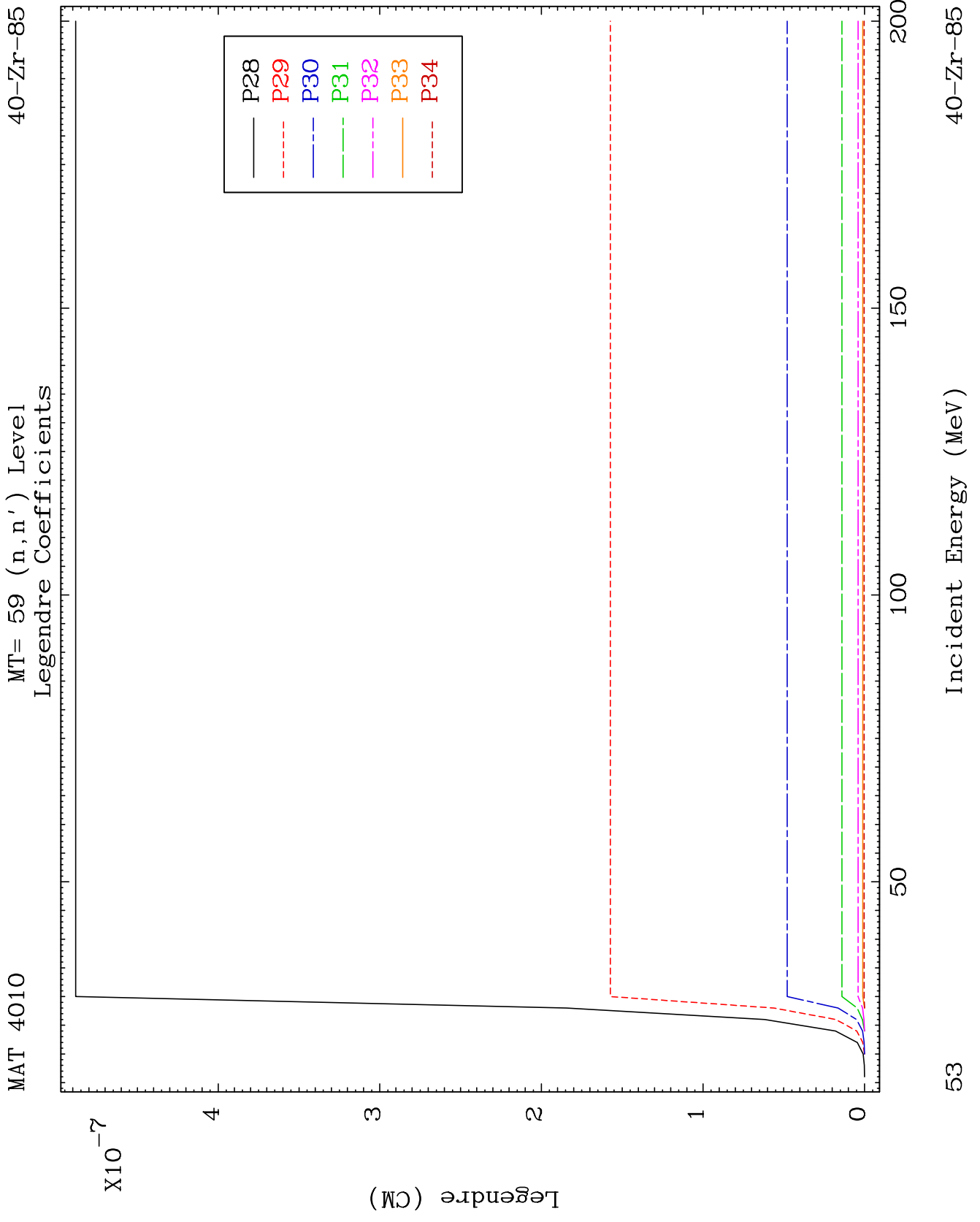


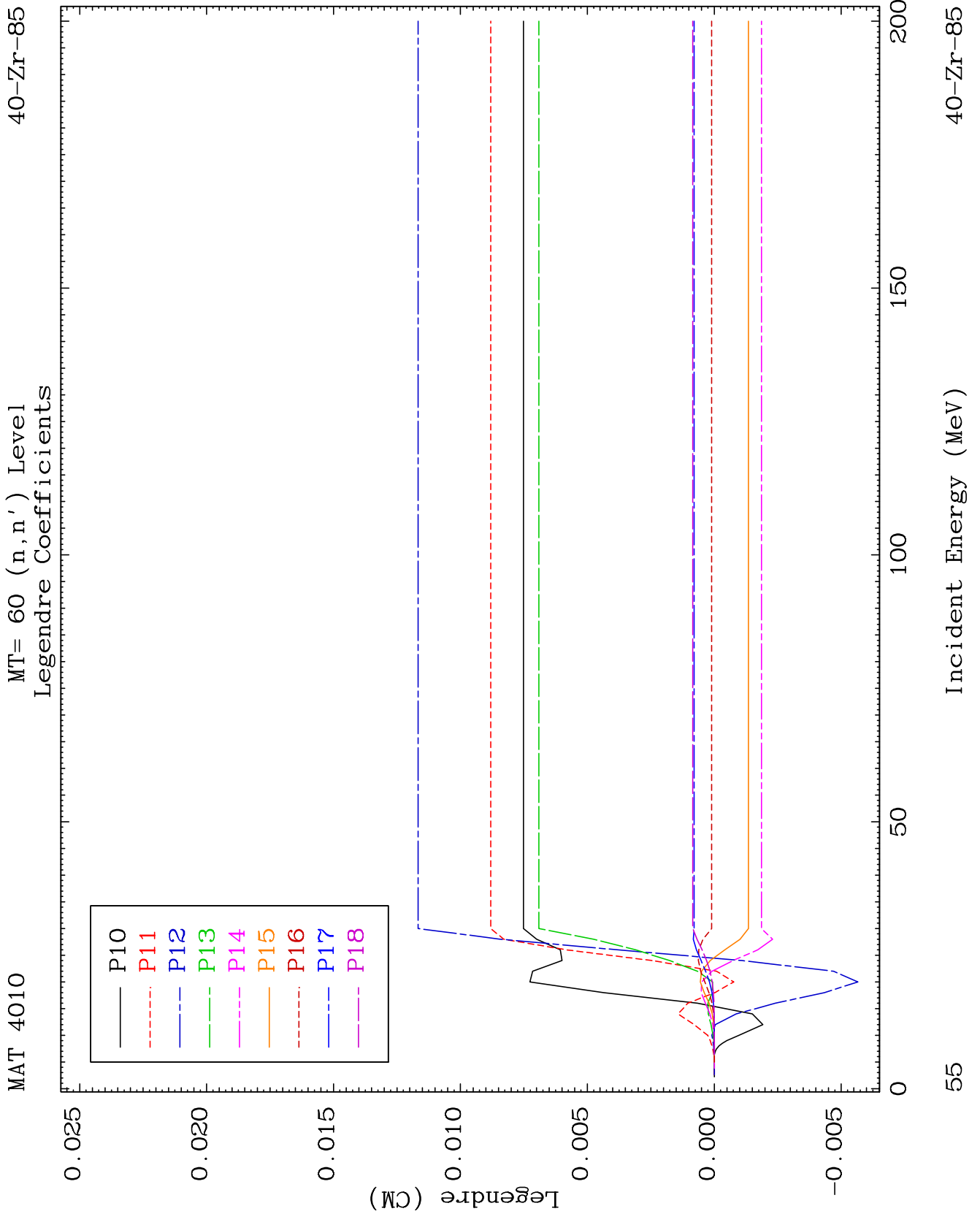


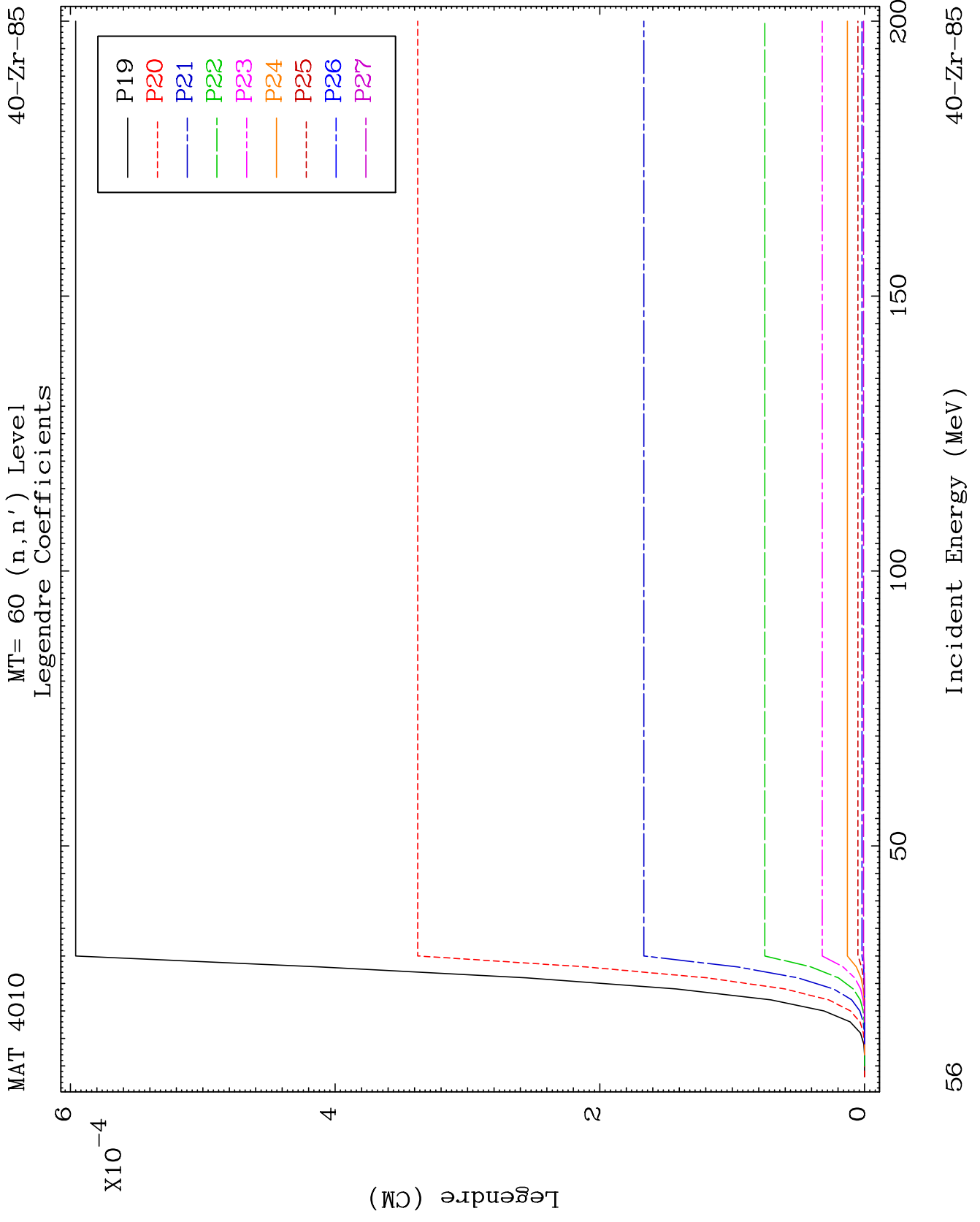


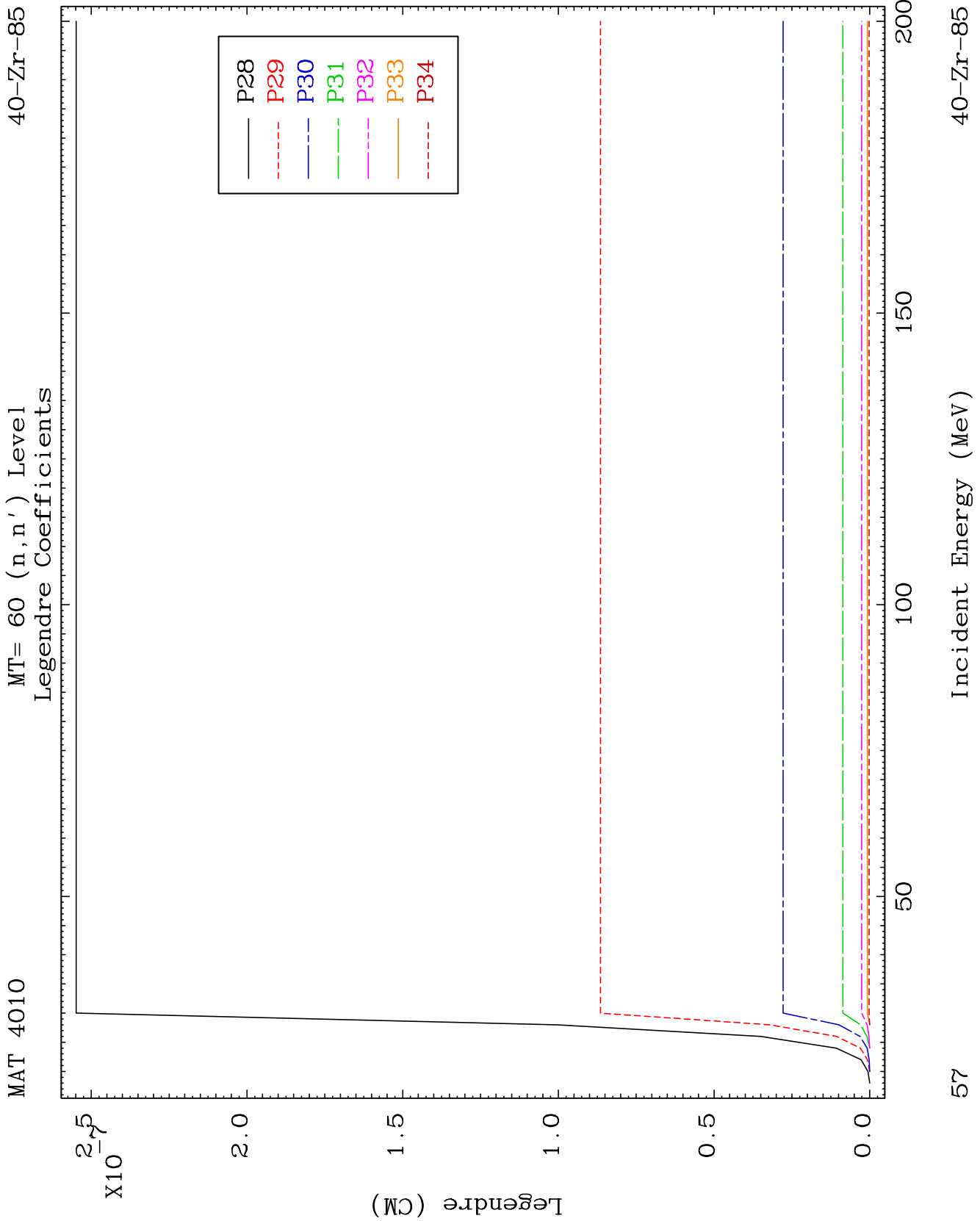








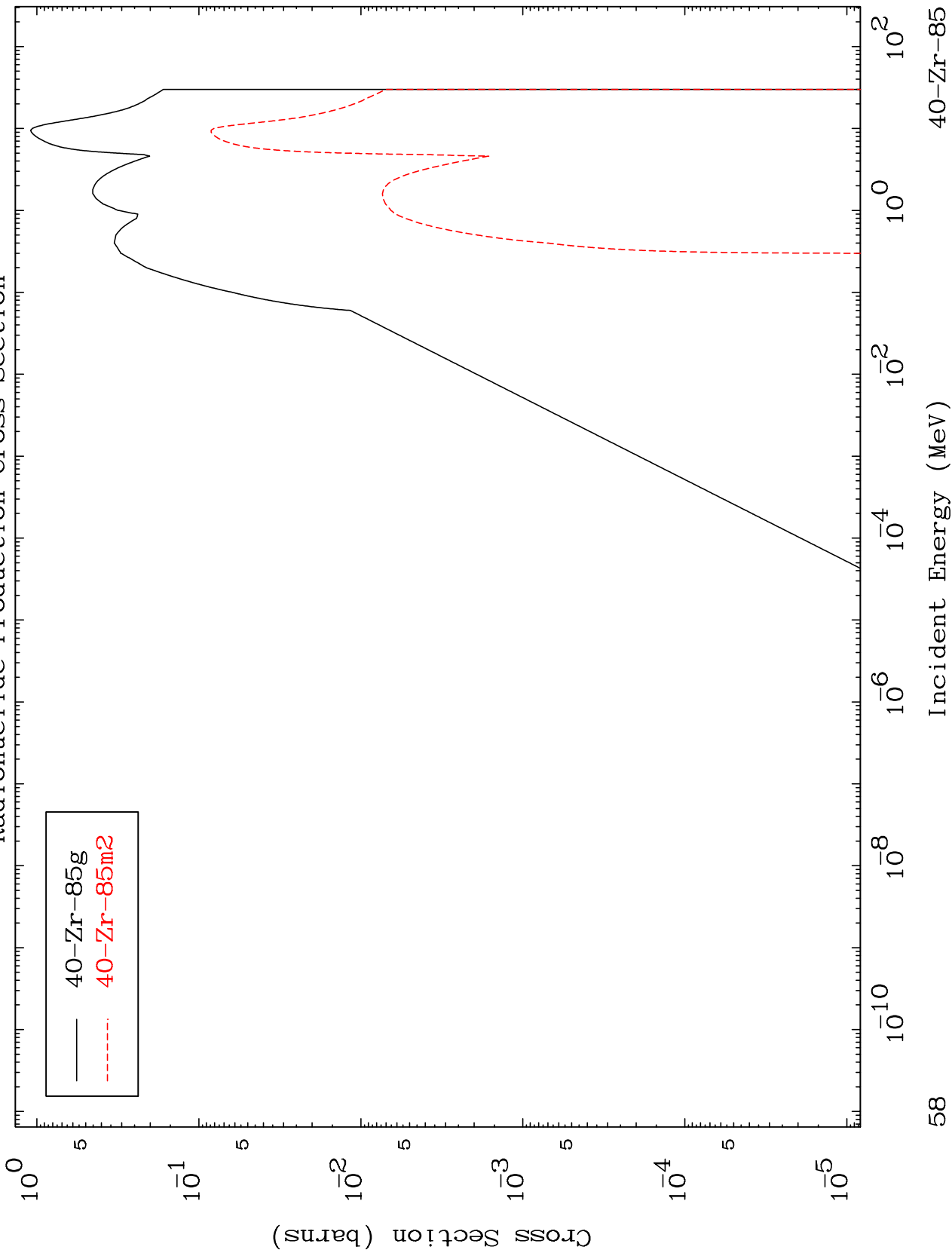


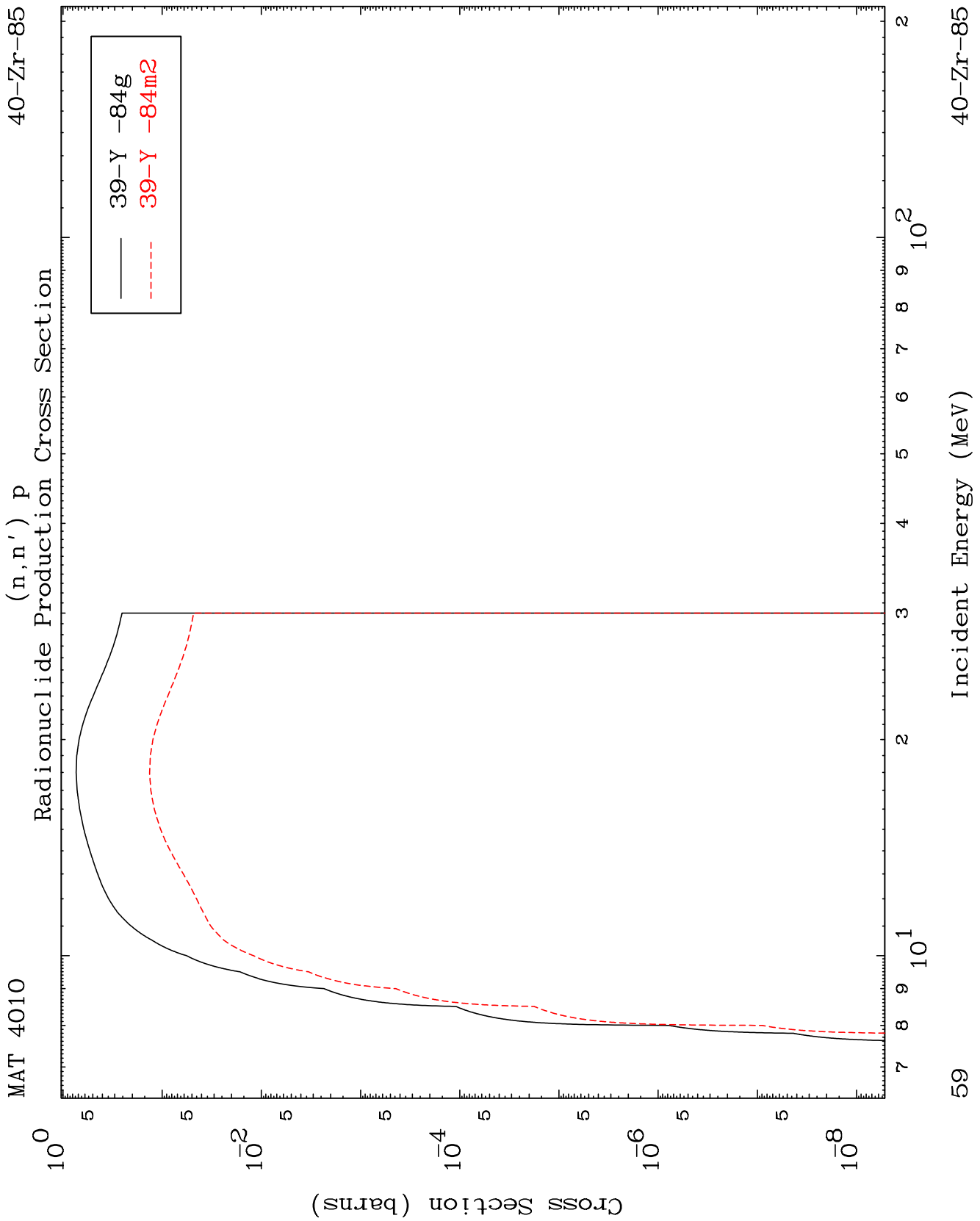


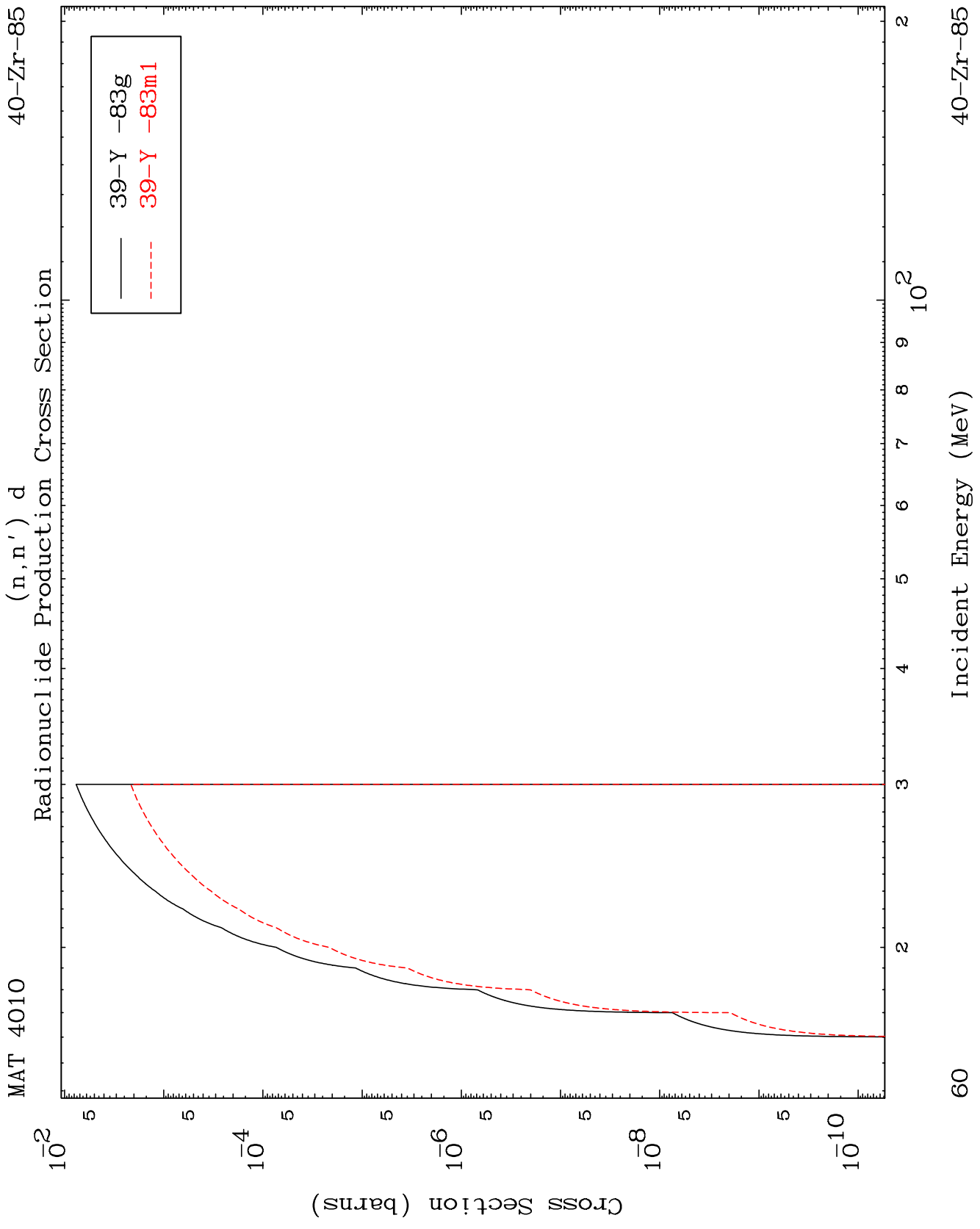
MAT 4010

40-Zr-85

Inelastic
Radionuclide Production Cross Section





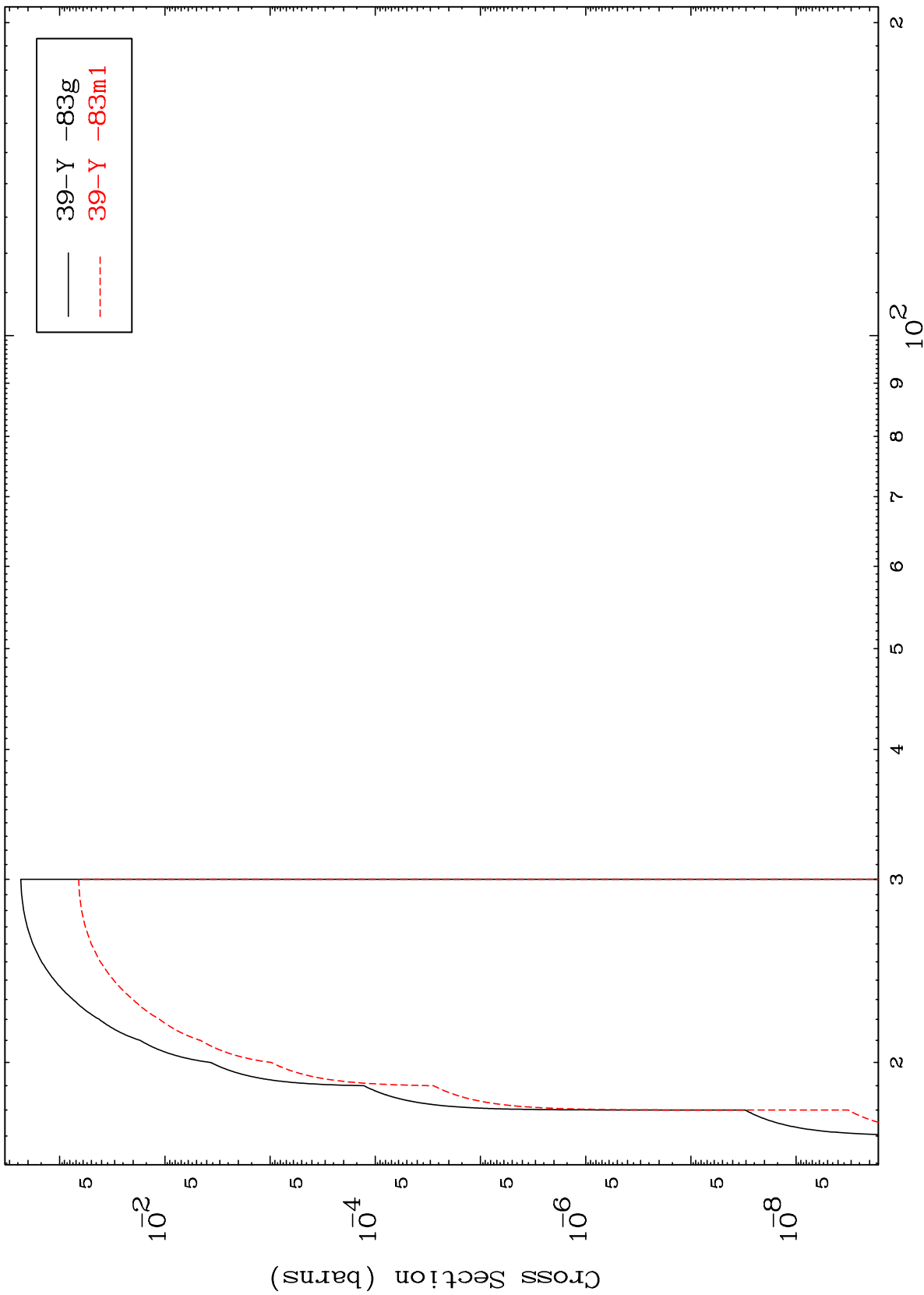


MAT 4010

(n,2n) p

40-Zr-85

Radionuclide Production Cross Section



61

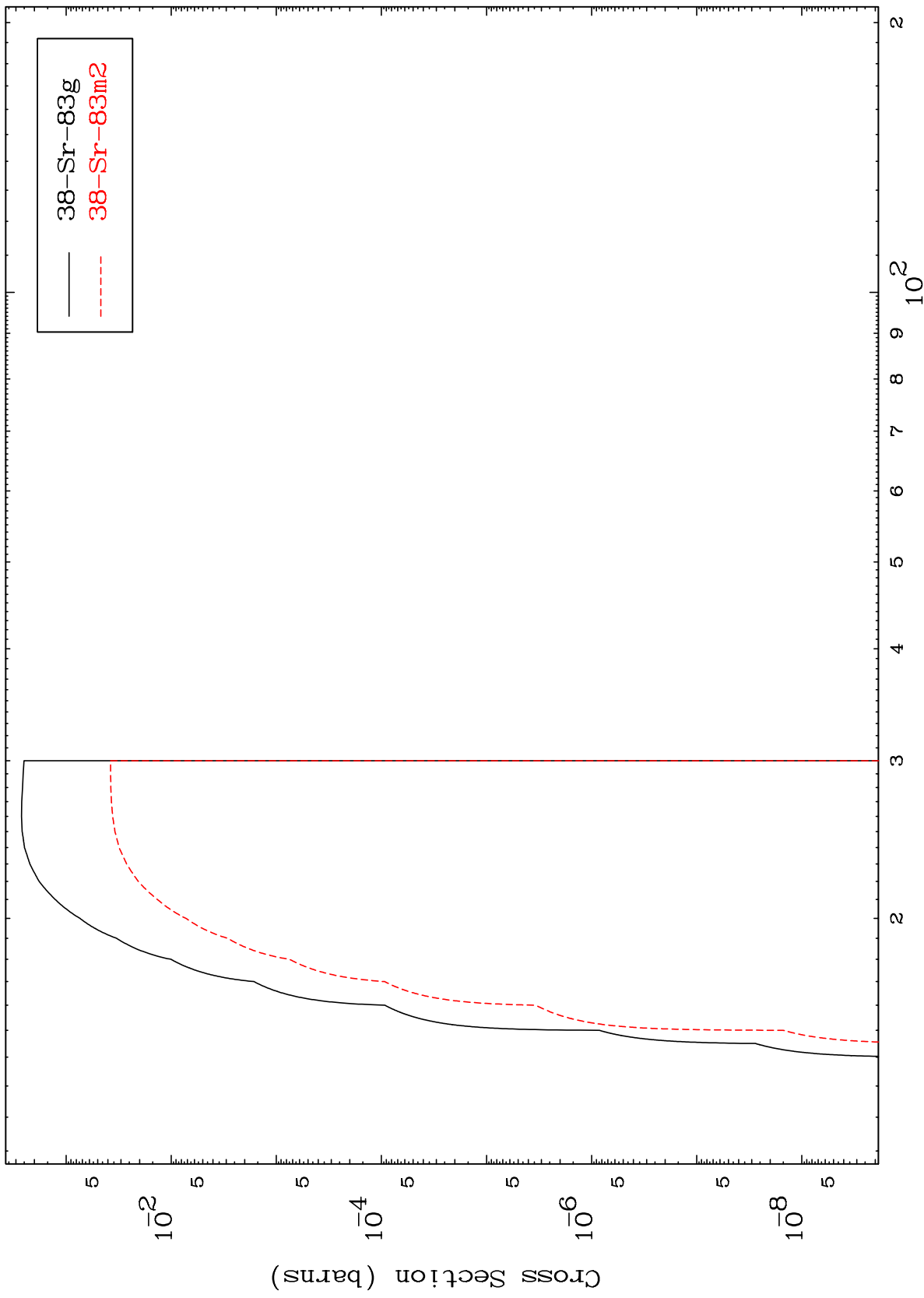
Incident Energy (MeV)

40-Zr-85

MAT 4010

40-Zr-85

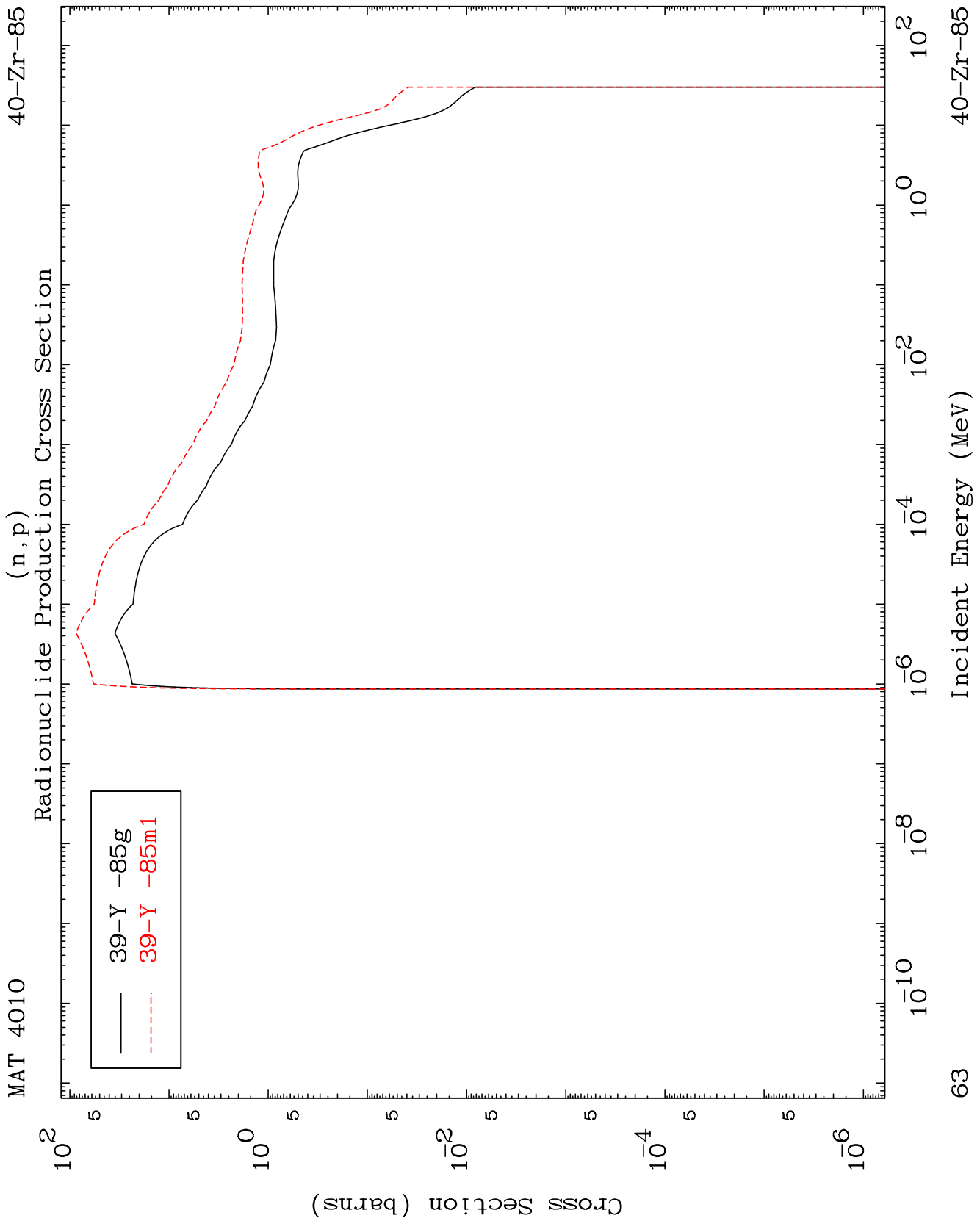
(n,2n) p
Radionuclide Production Cross Section



62

Incident Energy (MeV)

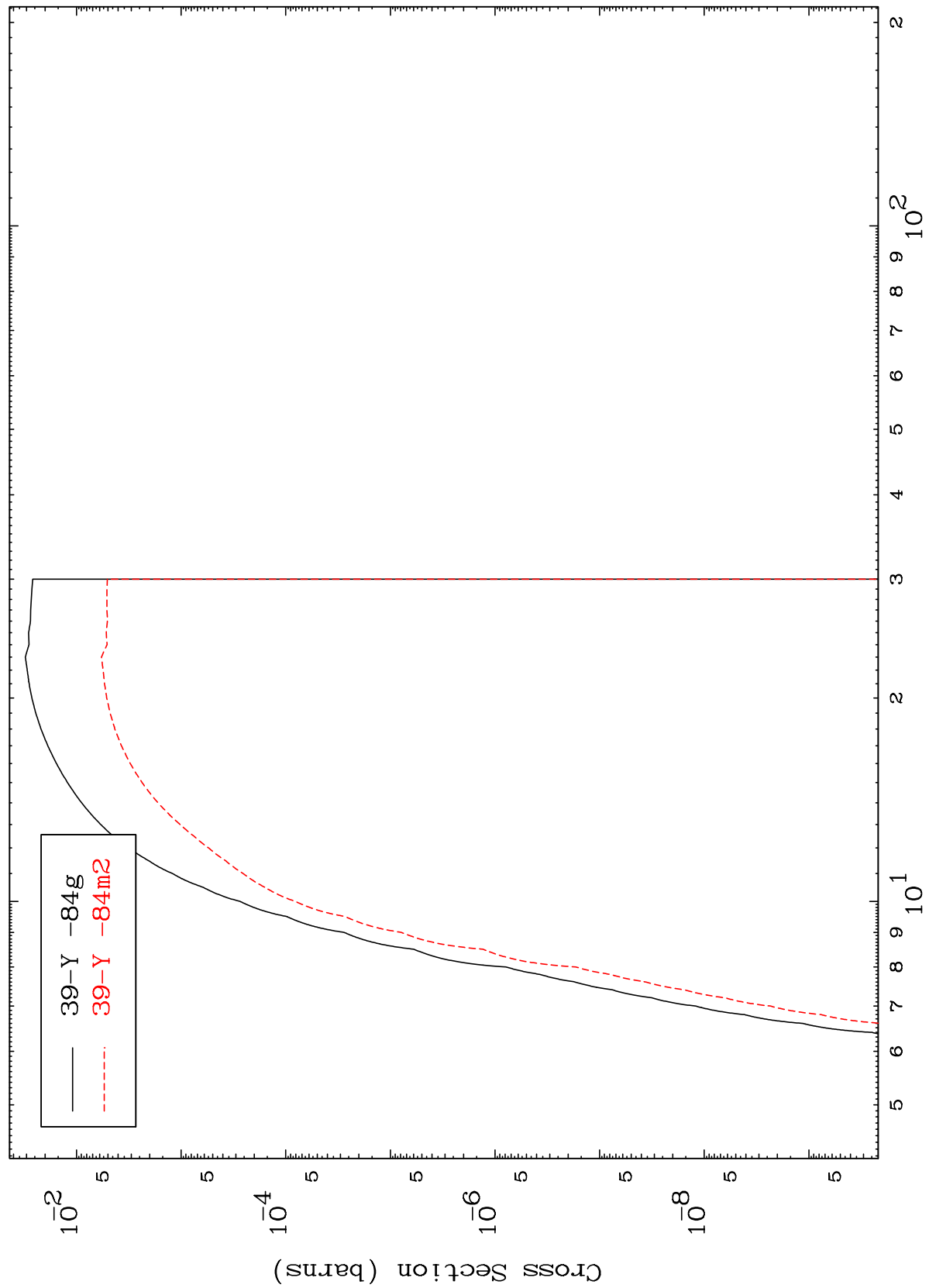
40-Zr-85



MAT 4010

40-Zr-85

(n,d)
Radionuclide Production Cross Section



64

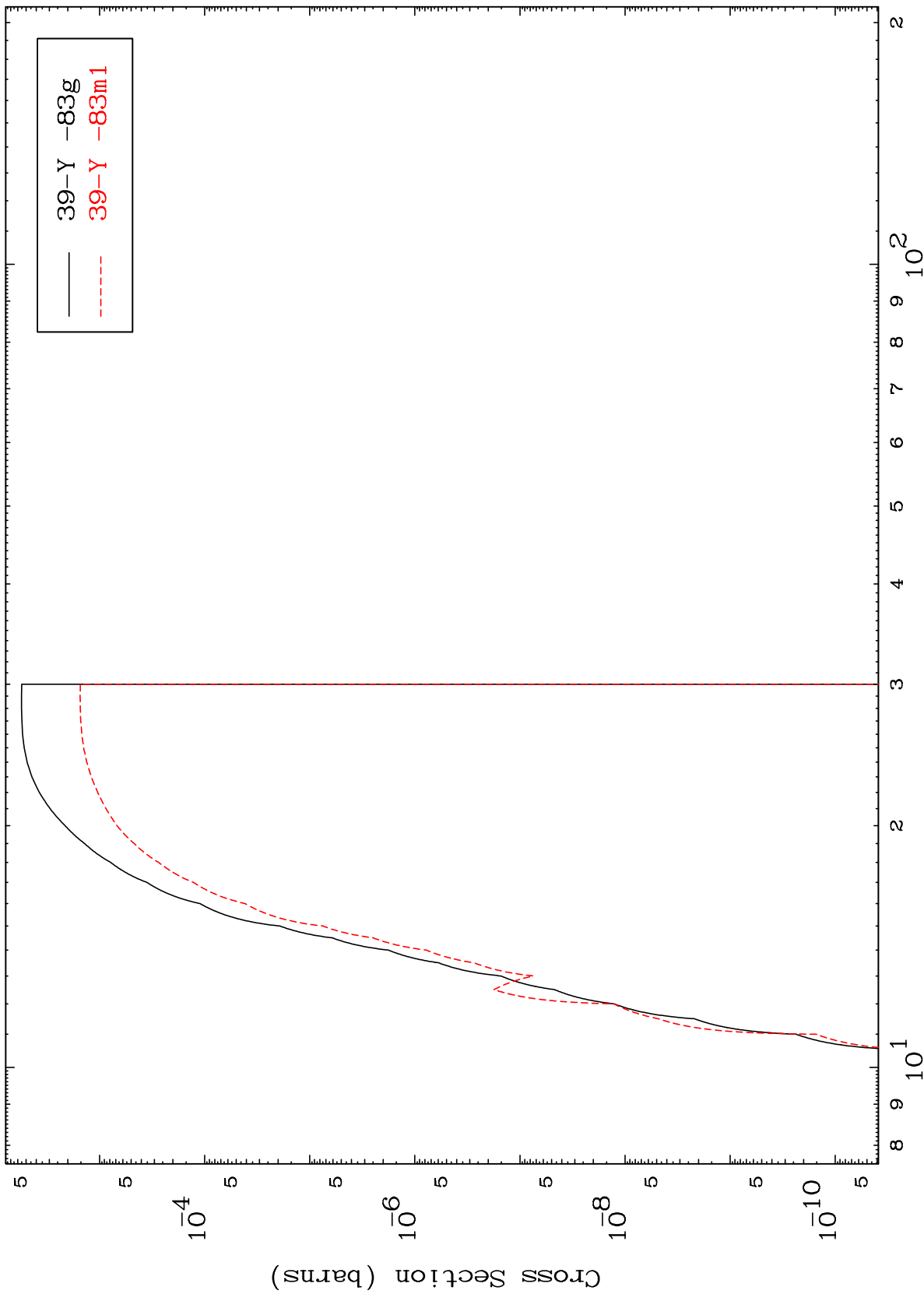
Incident Energy (MeV)

40-Zr-85

MAT 4010

40-Zr-85

(n, t)
Radionuclide Production Cross Section



— 39-Y -83g
- - - 39-Y -83m1

40-Zr-85

Incident Energy (MeV)

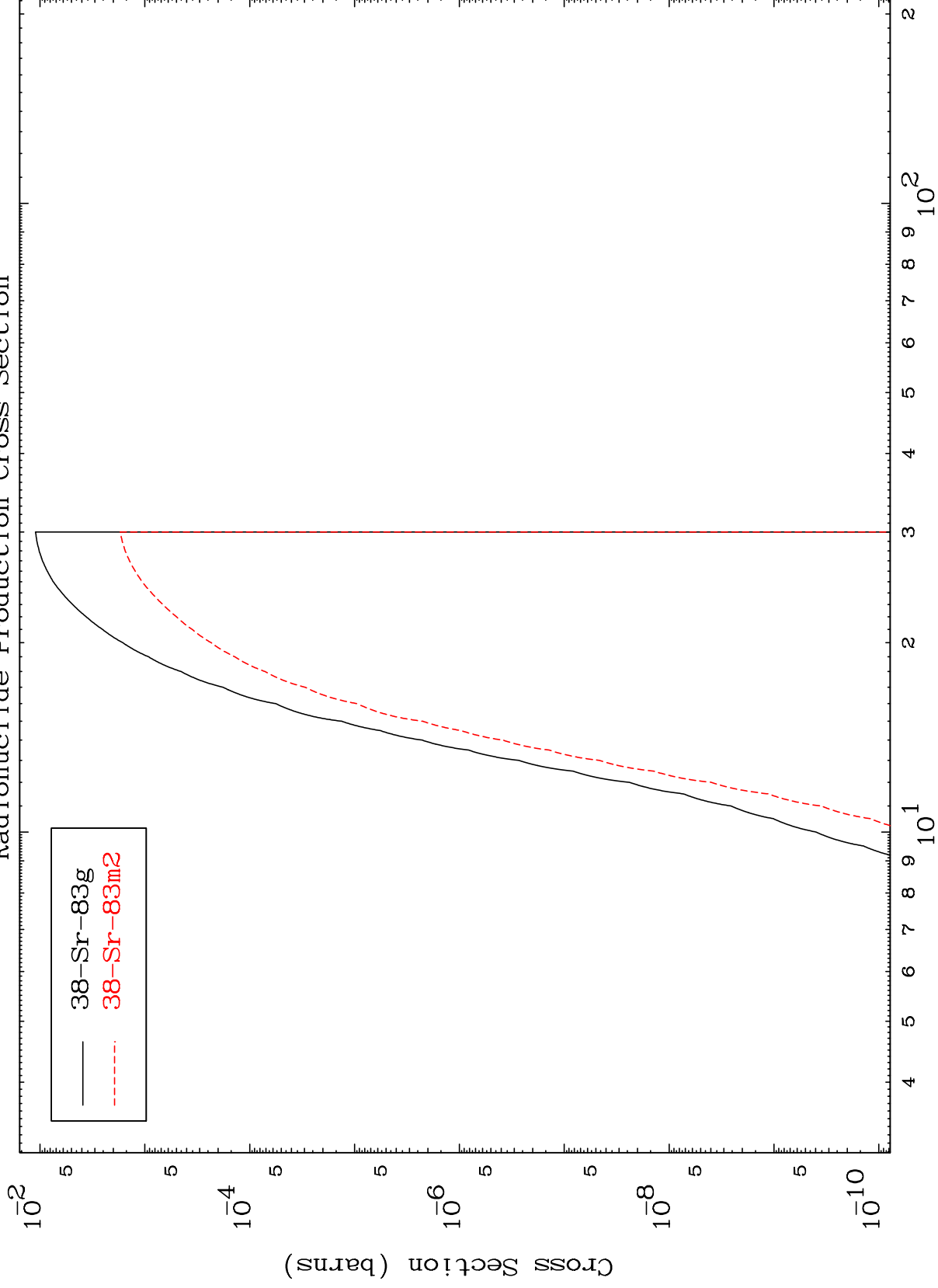
65

MAT 4010

(n,He-3)

40-Zr-85

Radionuclide Production Cross Section



38-Sr-83g
38-Sr-83m2

66

Incident Energy (MeV)

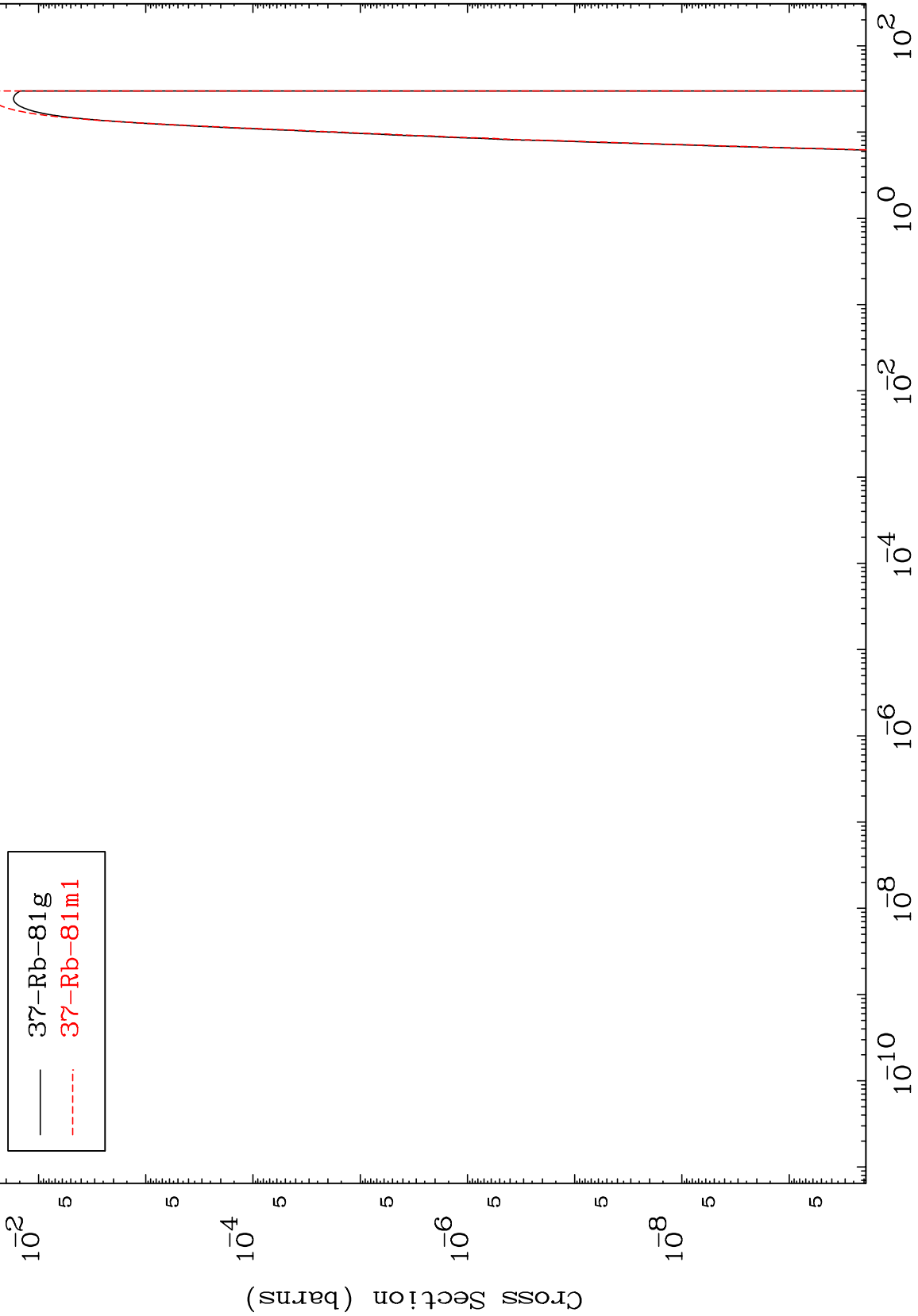
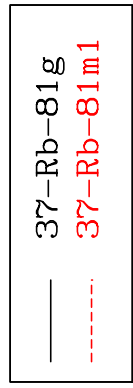
40-Zr-85

MAT 4010

(n,p) α

40-Zr-85

Radionuclide Production Cross Section



67

Incident Energy (MeV)

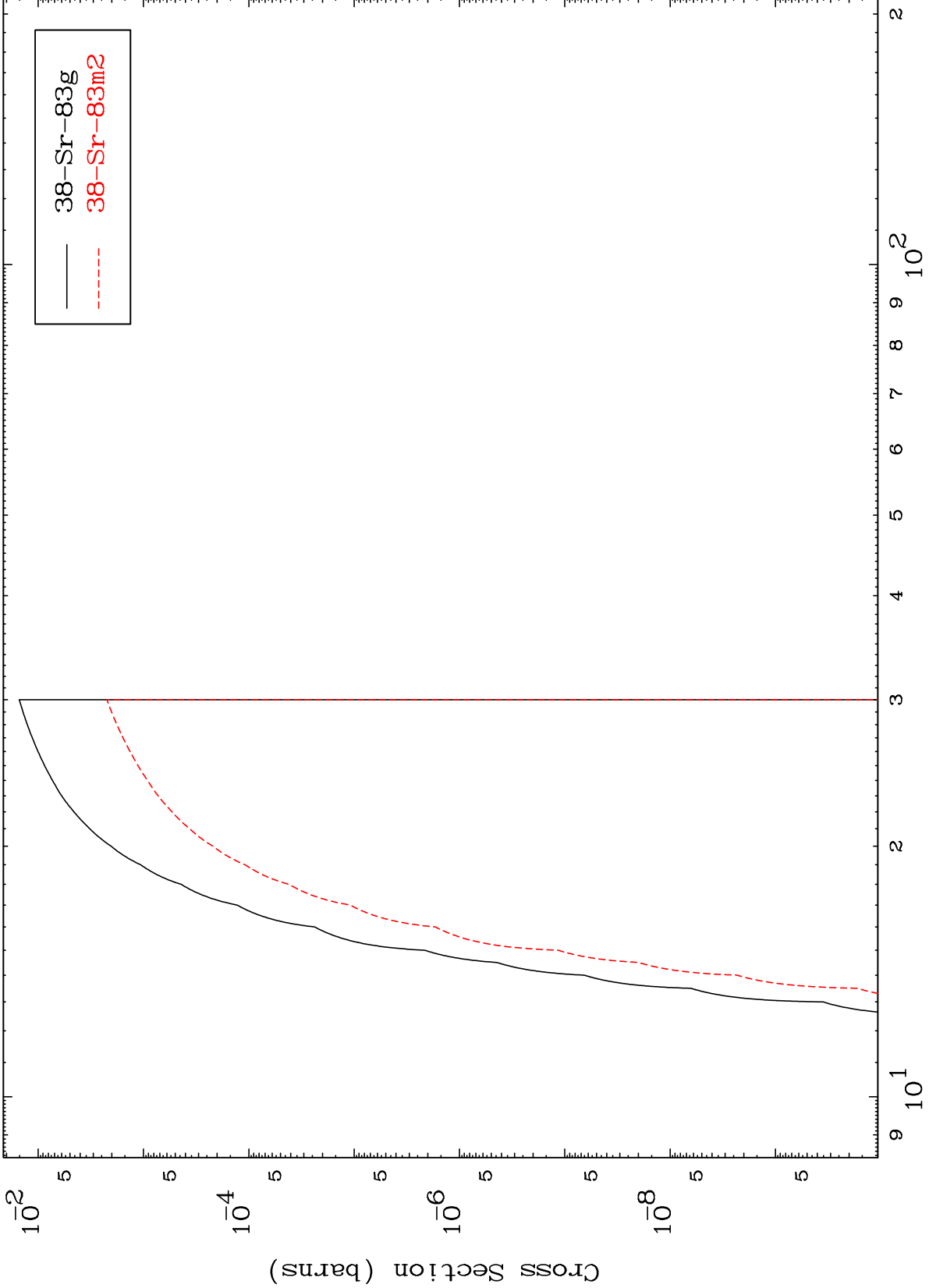
40-Zr-85

MAT 4010

(n,p) d

40-Zr-85

Radionuclide Production Cross Section



38-Sr-83g
38-Sr-83m2

68

Incident Energy (MeV)

40-Zr-85