

Program EVALPLOT
(Version 2015-2)

by

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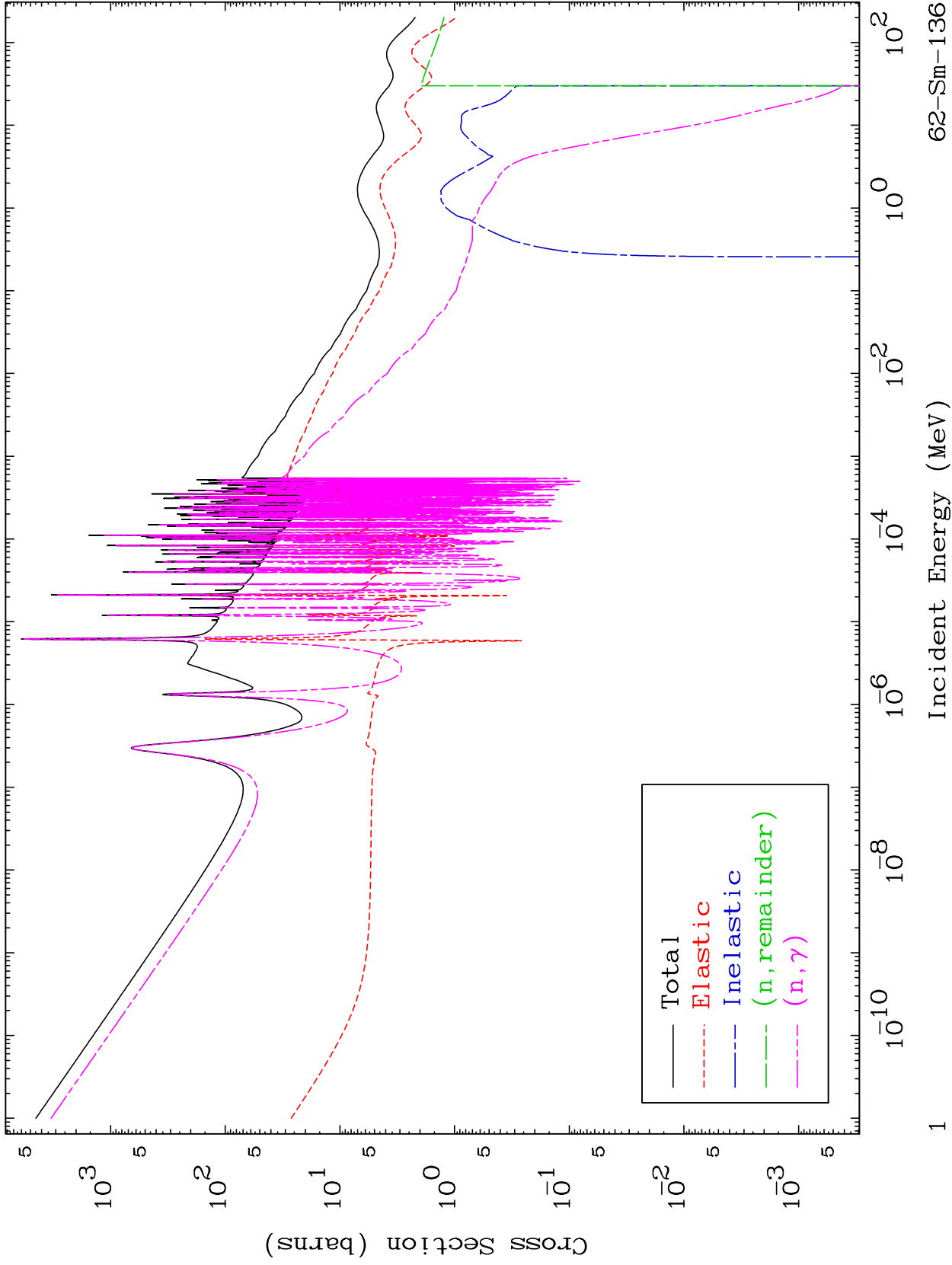
Press Mouse Button to Start

MAT 6201

Major

293 Kelvin Cross Sections

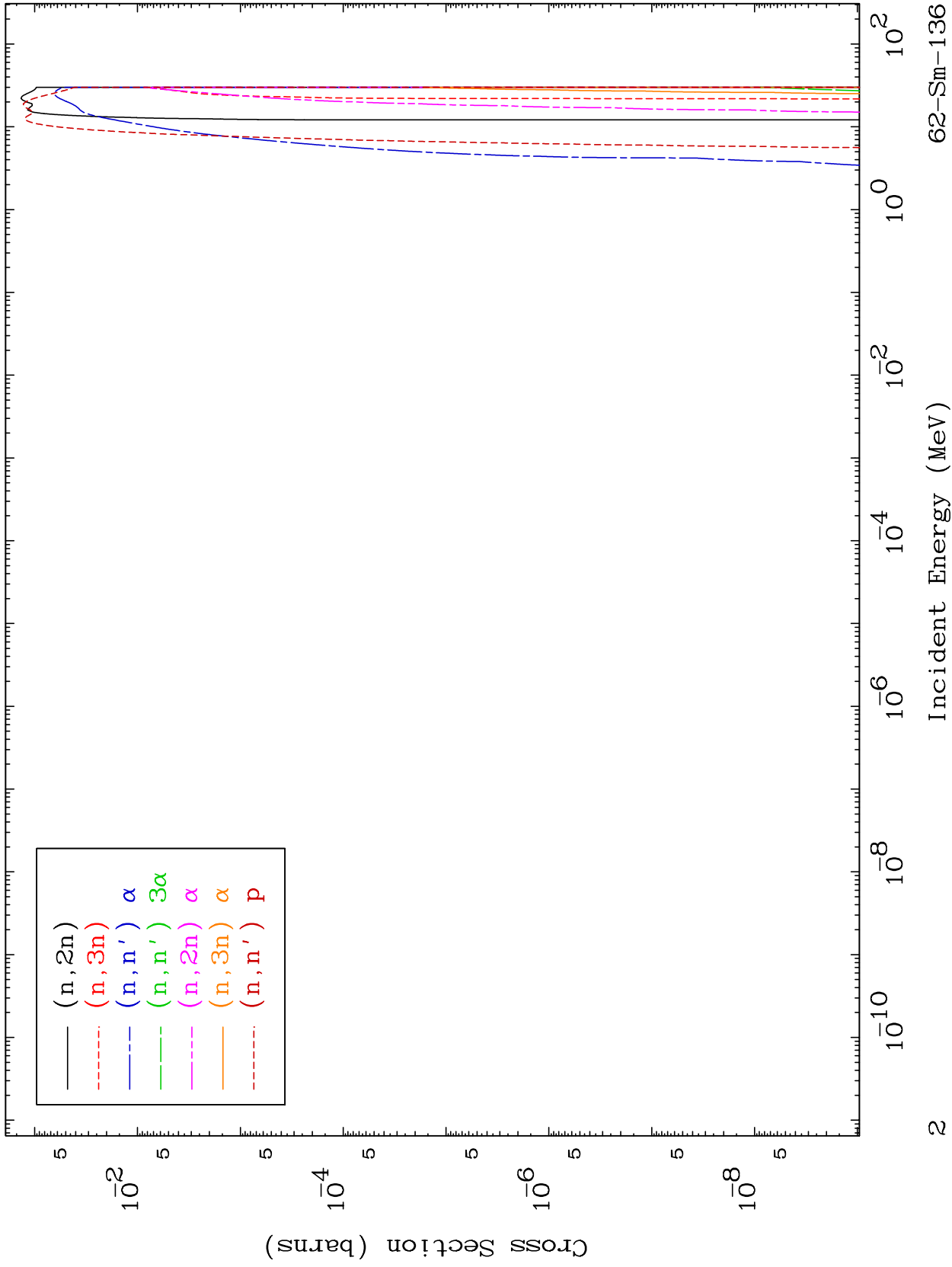
62-Sm-136



MAT 6201

Neutron Production
293 Kelvin Cross Sections

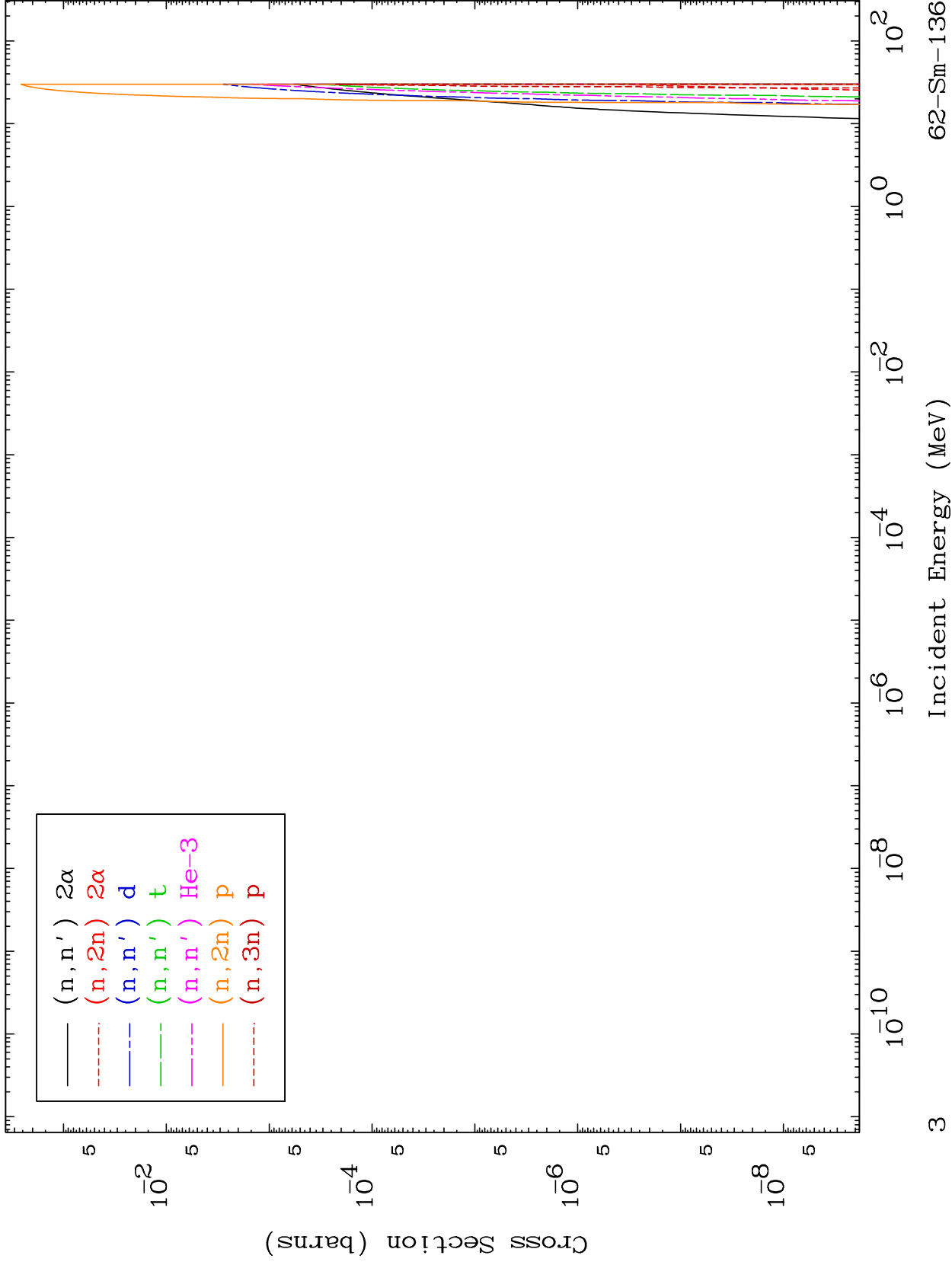
62-Sm-136



MAT 6201

Neutron Production
293 Kelvin Cross Sections

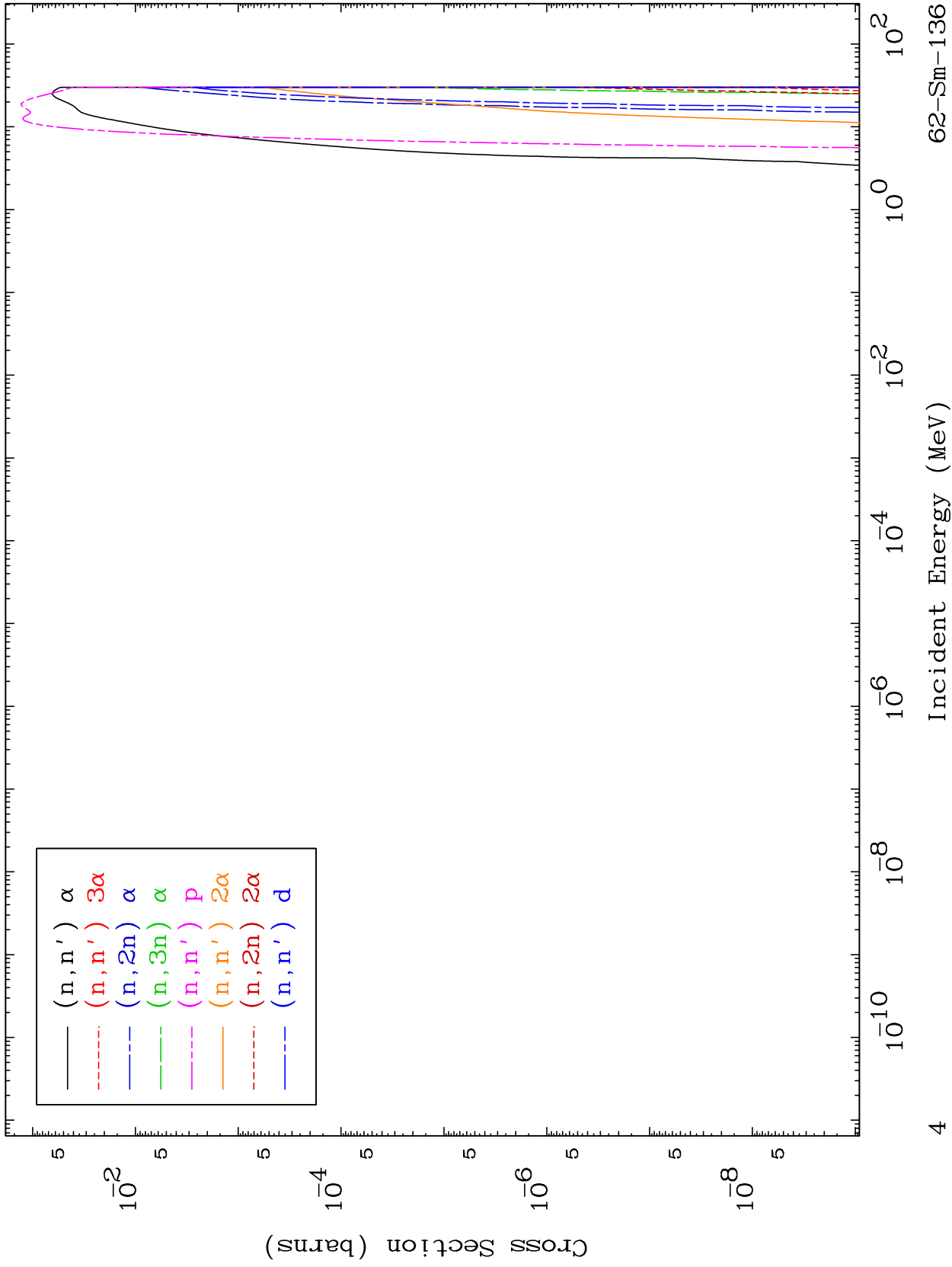
62-Sm-136



MAT 6201

Charged Particle
293 Kelvin Cross Sections

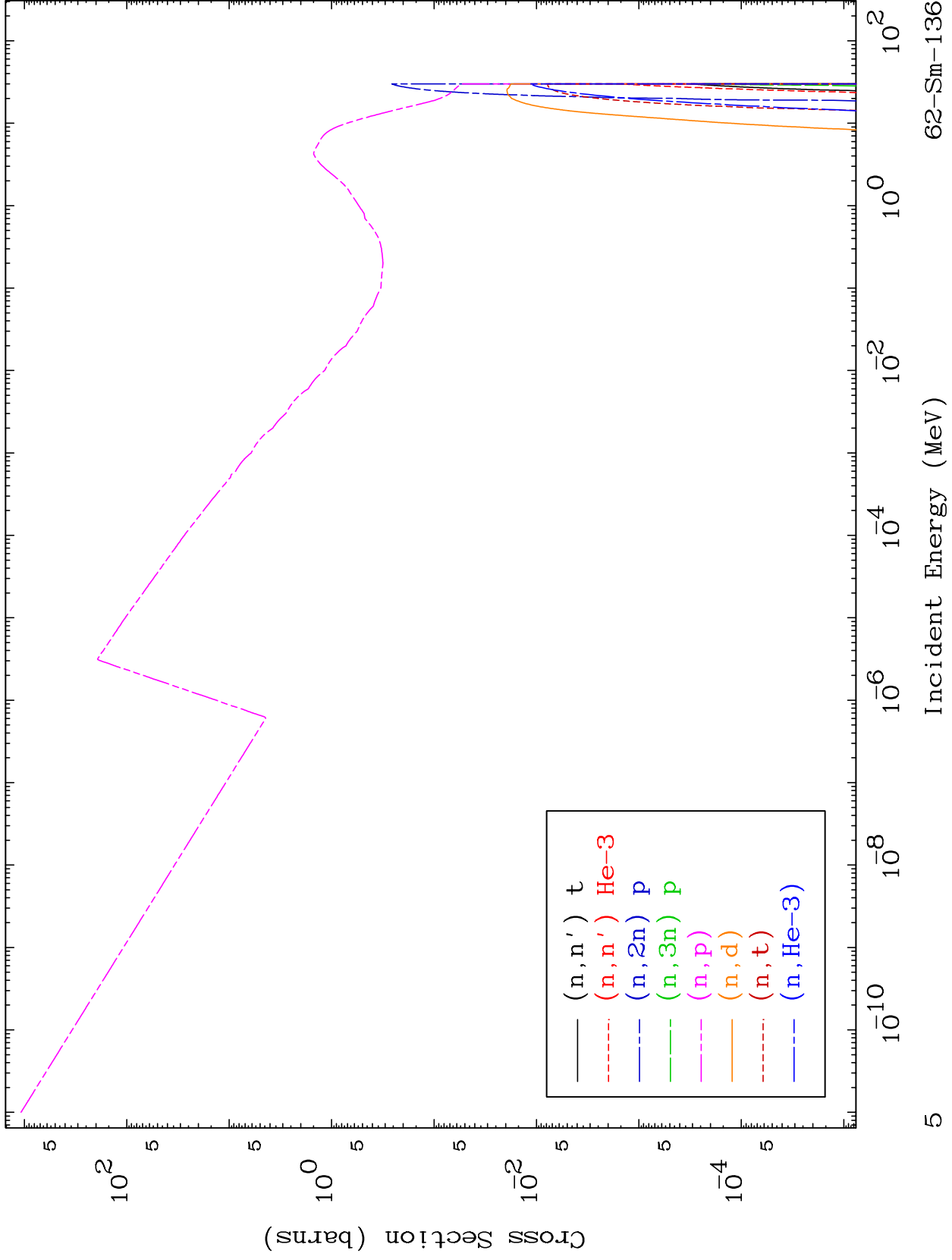
62-Sm-136

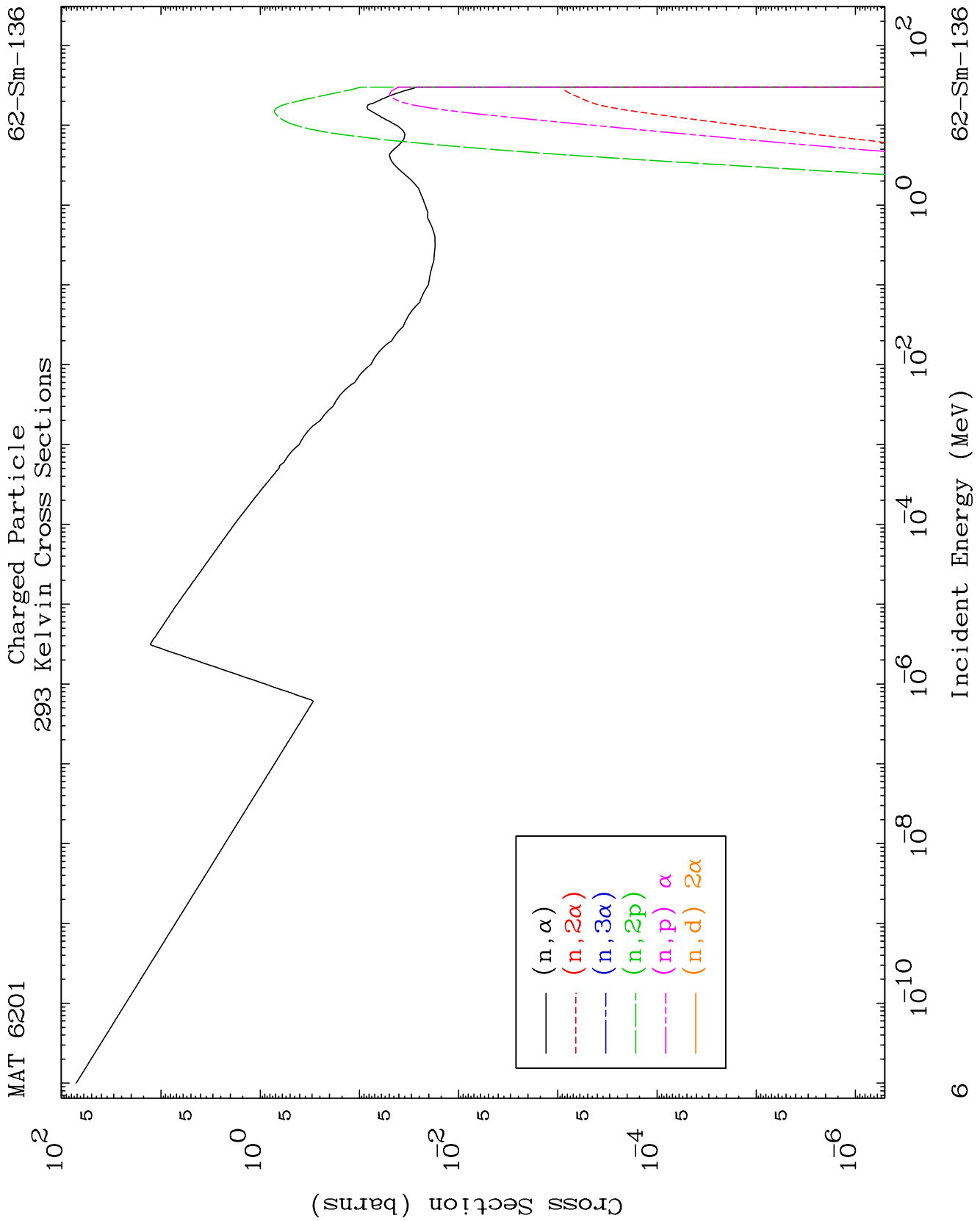


MAT 6201

Charged Particle
293 Kelvin Cross Sections

62-Sm-136

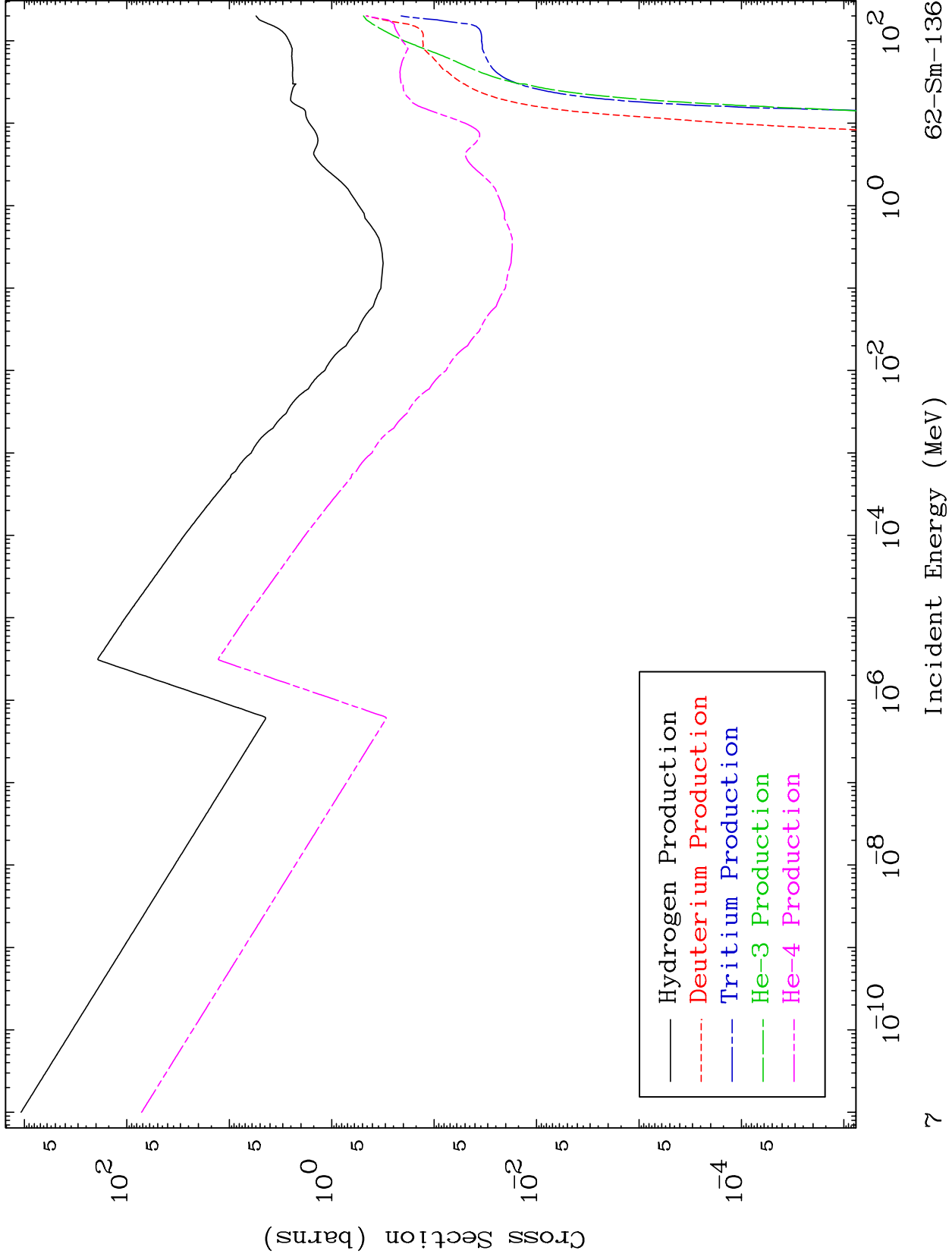


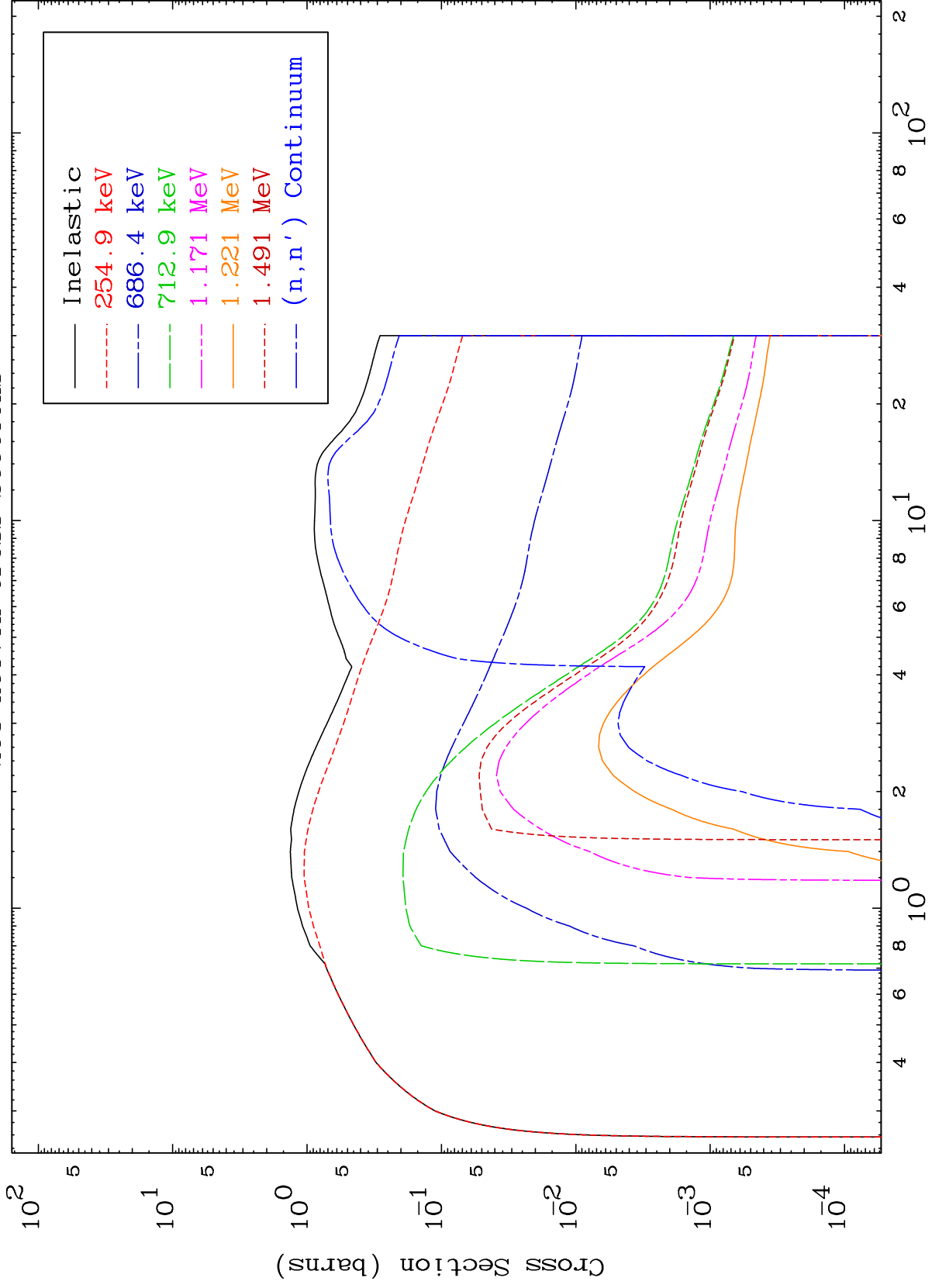


MAT 6201

Particle Production
293 Kelvin Cross Sections

62-Sm-136

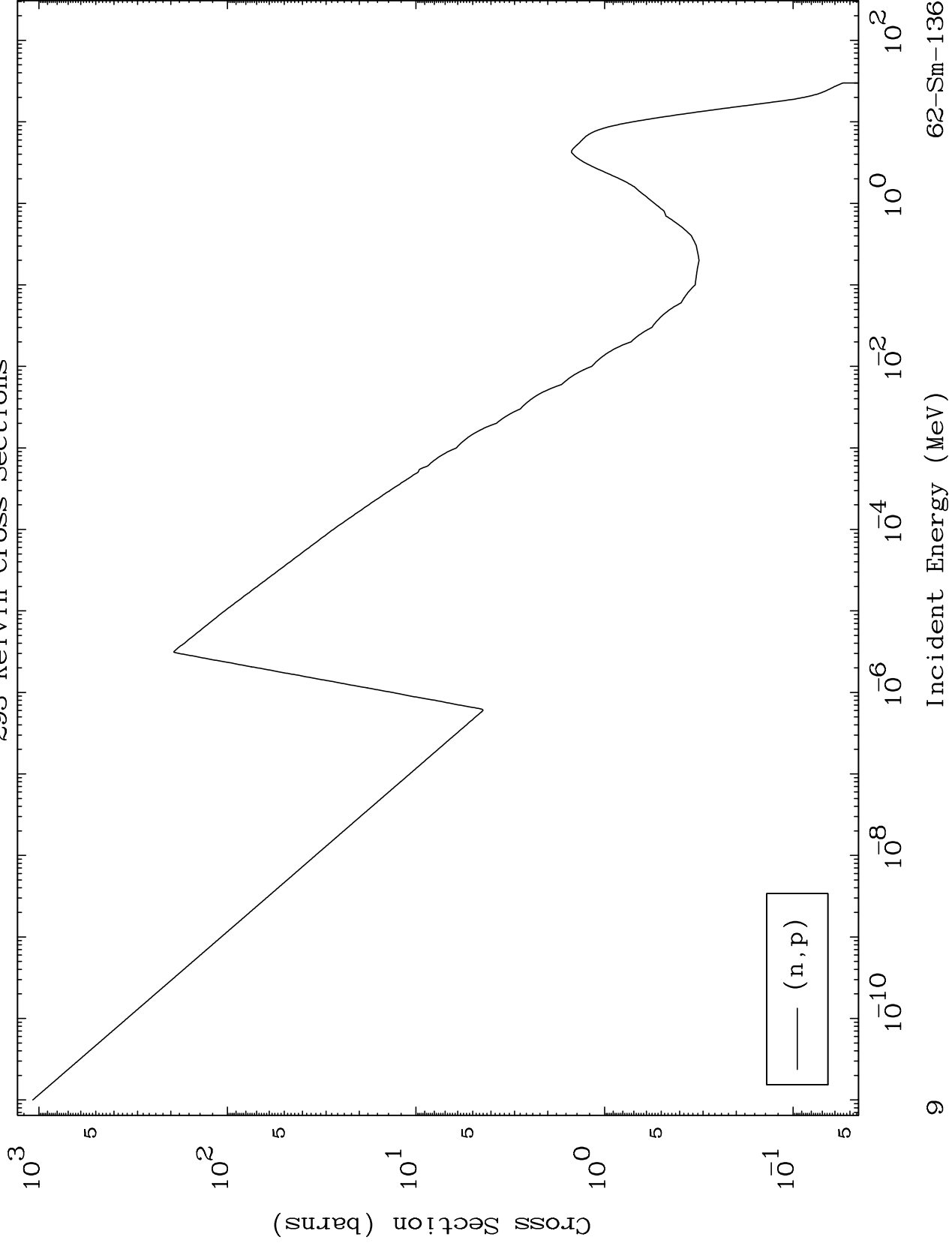




MAT 6201

(n,p) Levels
293 Kelvin Cross Sections

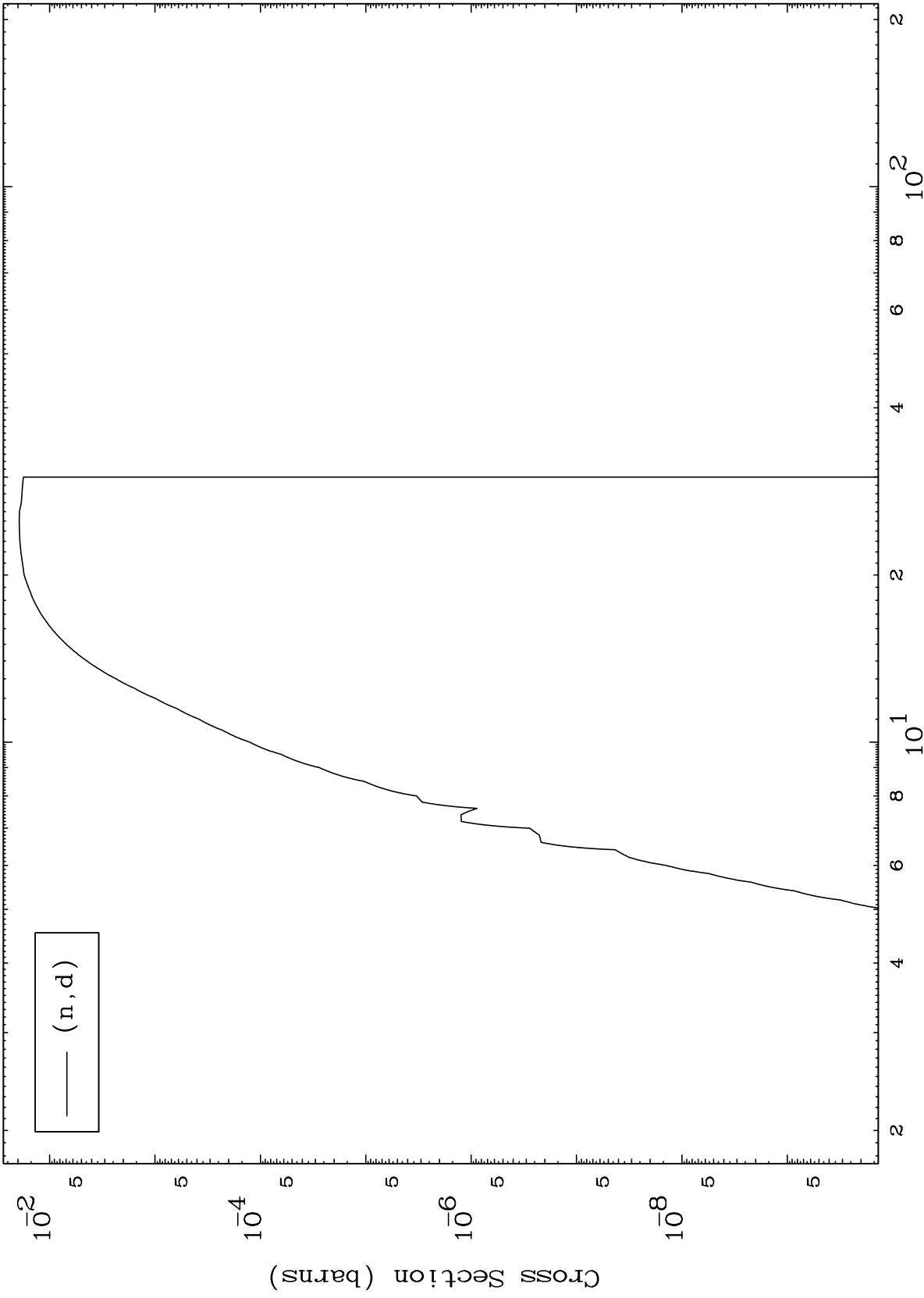
62-Sm-136



MAT 6201

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-136



10

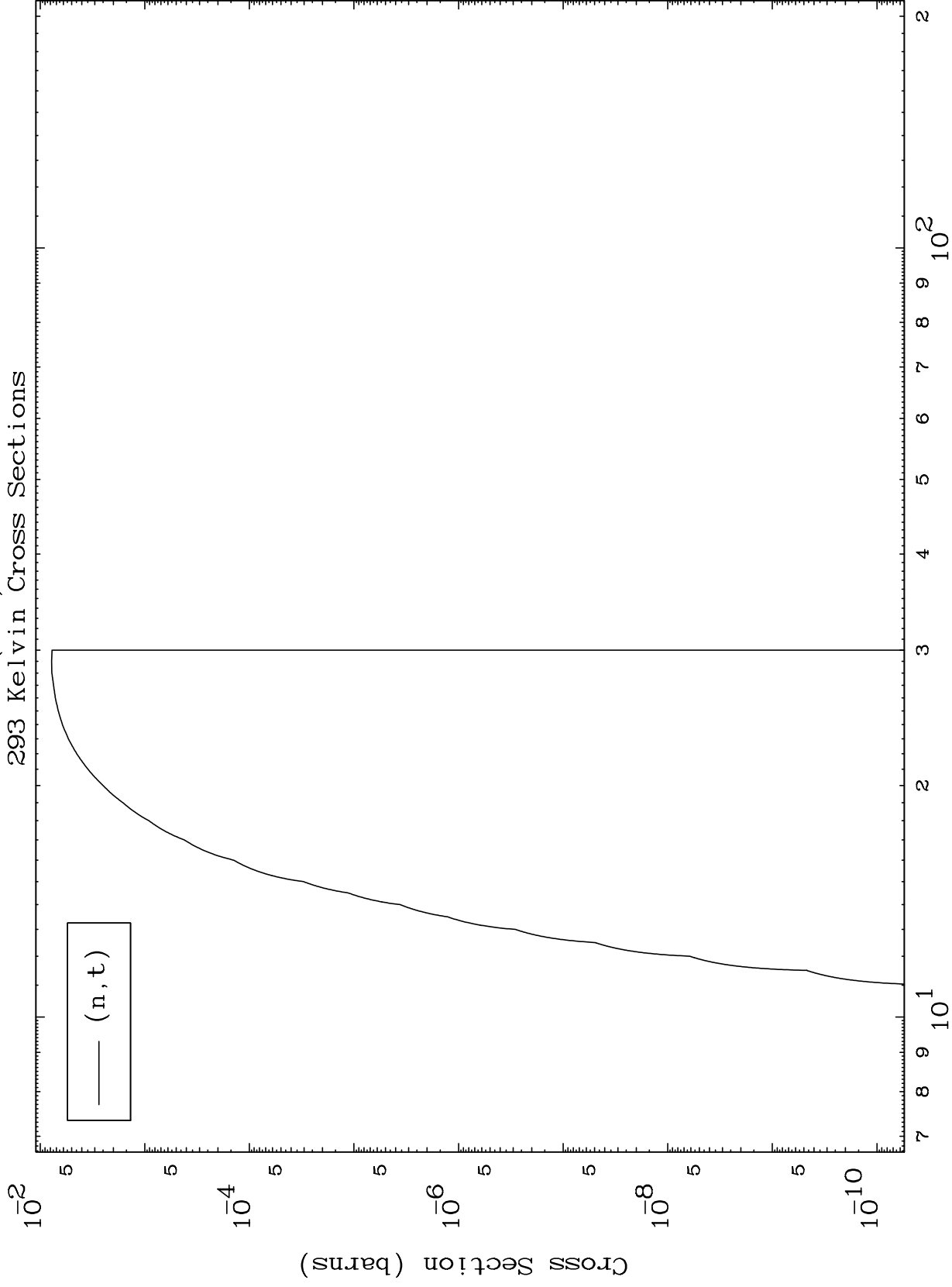
Incident Energy (MeV)

62-Sm-136

MAT 6201

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-136



11

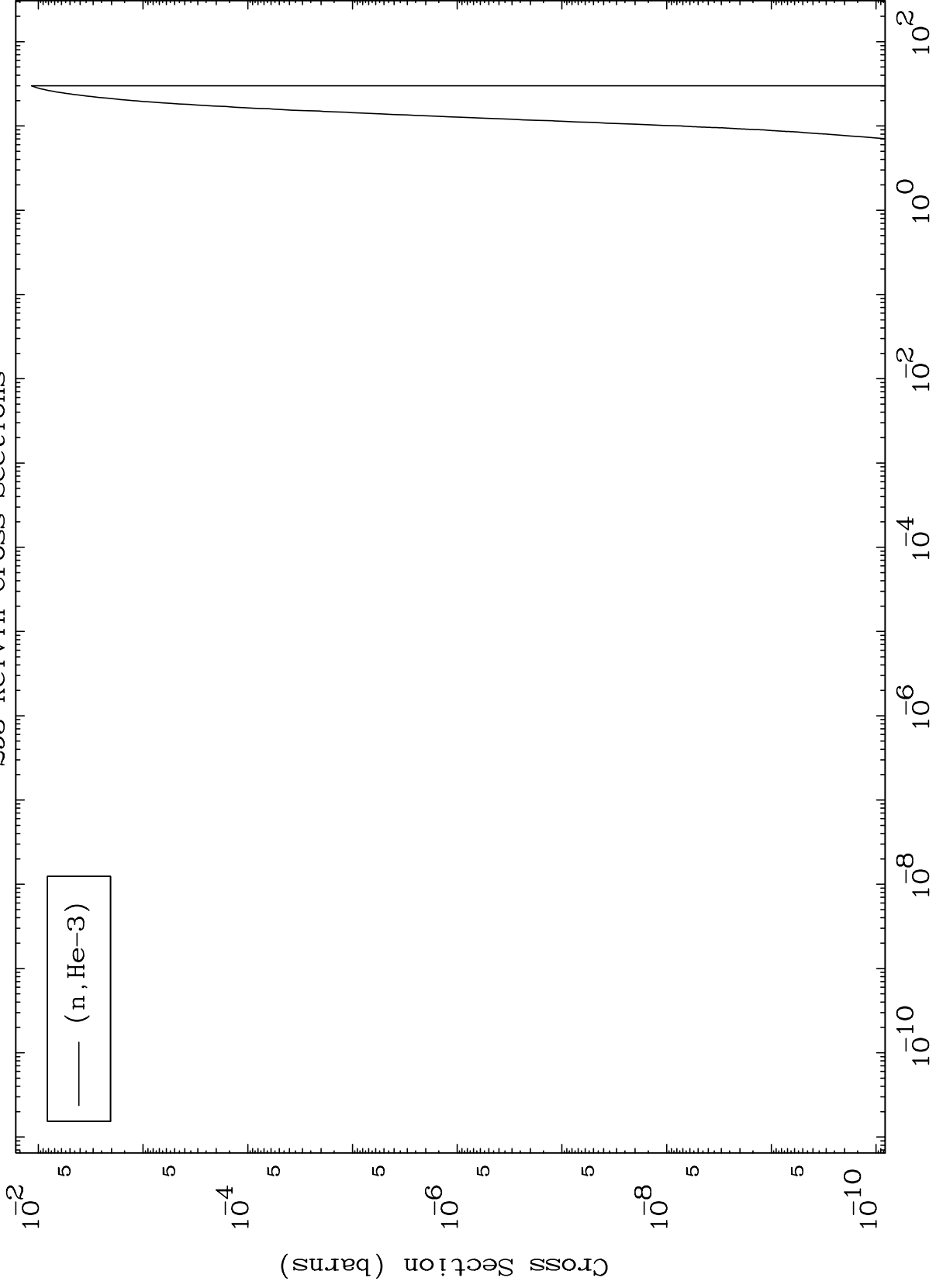
Incident Energy (MeV)

62-Sm-136

MAT 6201

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-136



12

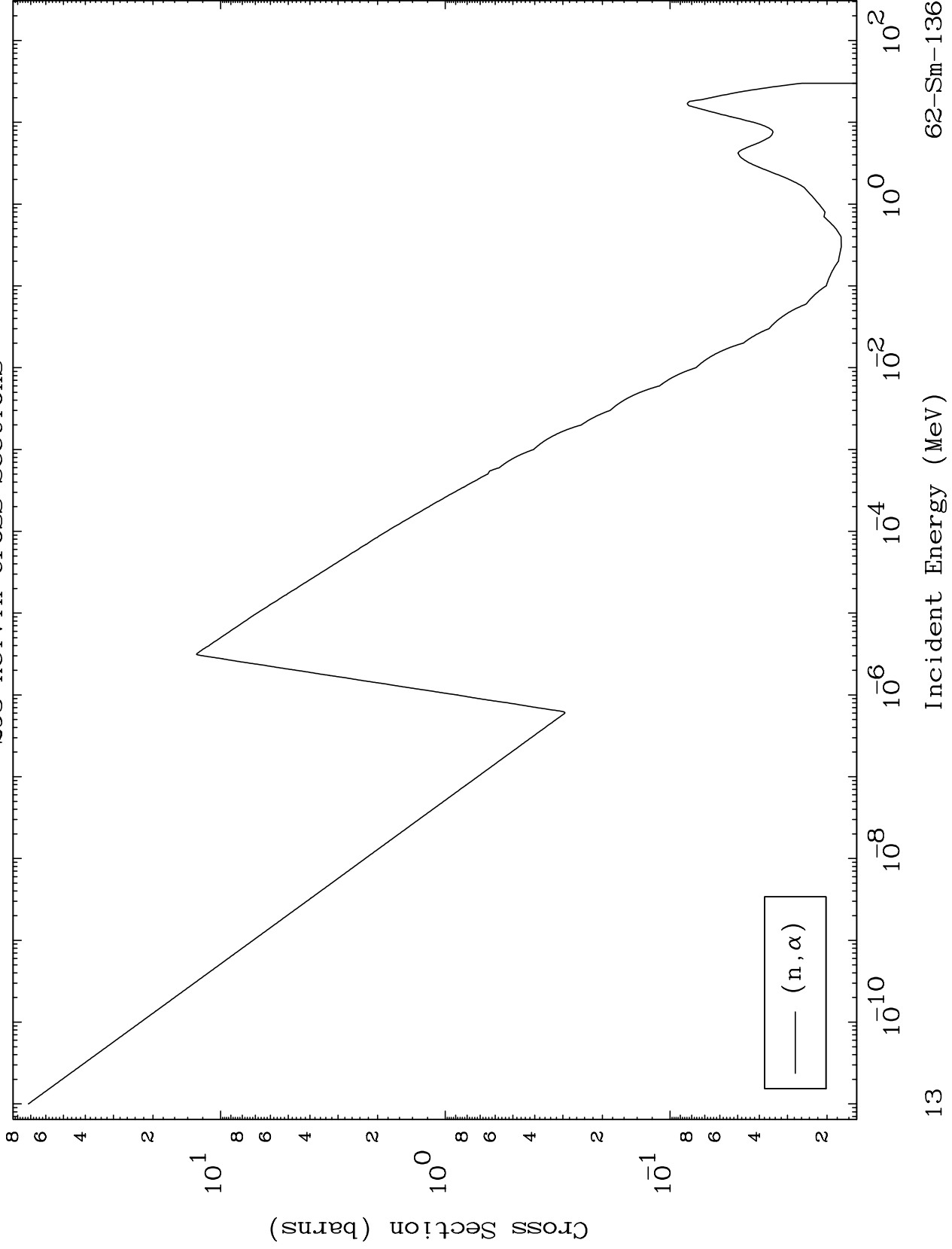
Incident Energy (MeV)

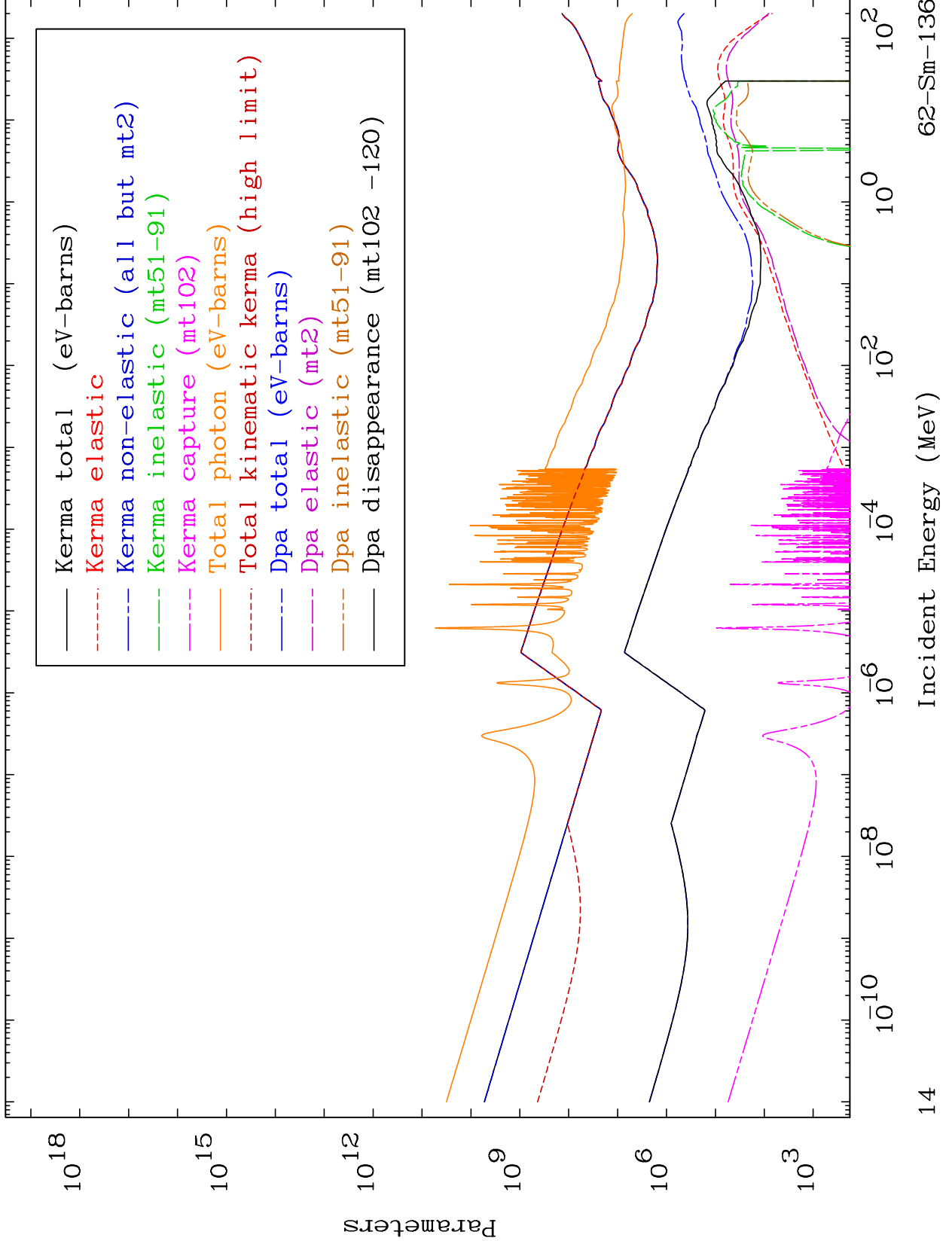
62-Sm-136

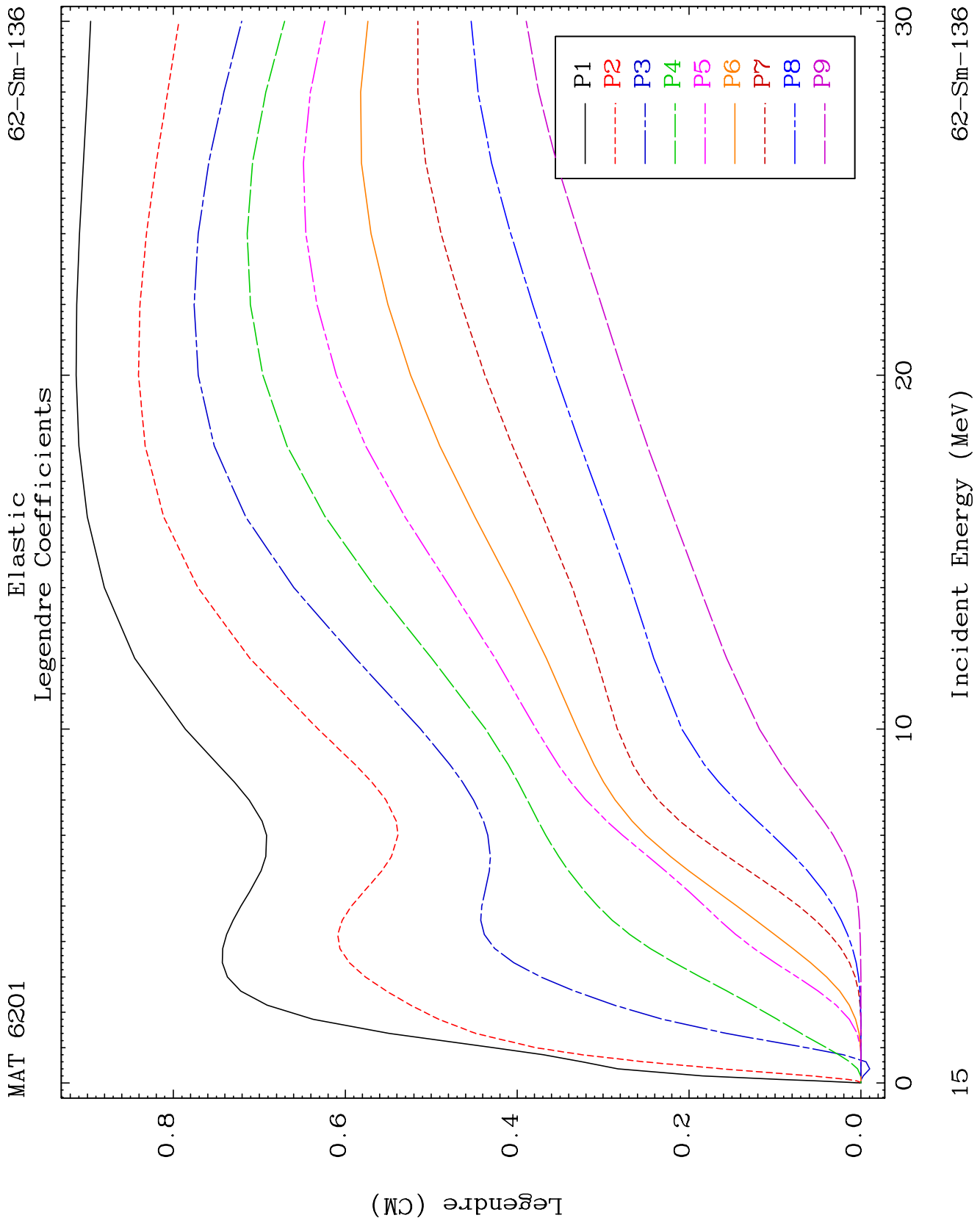
MAT 6201

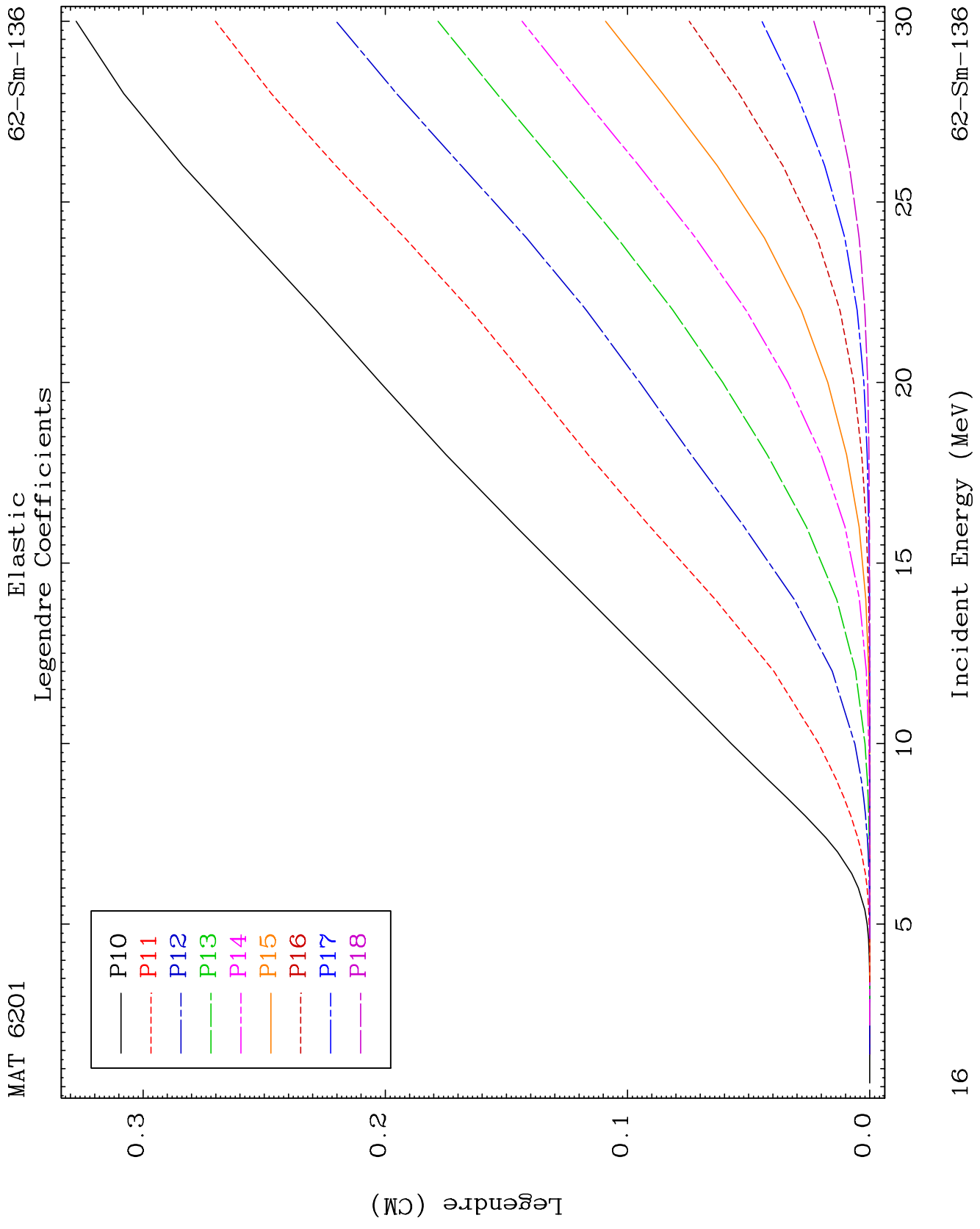
(n,α) Levels
293 Kelvin Cross Sections

62-Sm-136





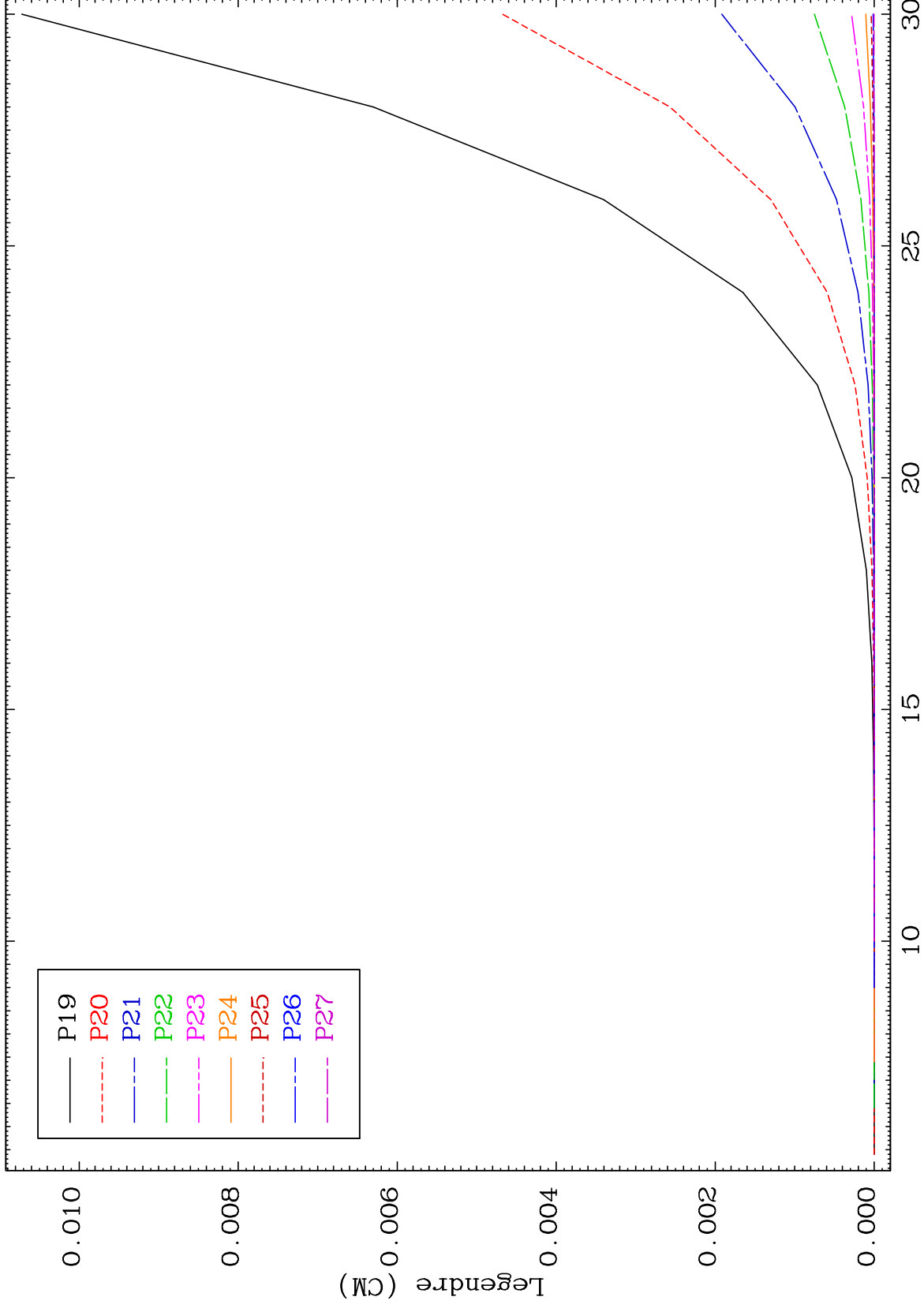




MAT 6201

Elastic Legendre Coefficients

62-Sm-136



17

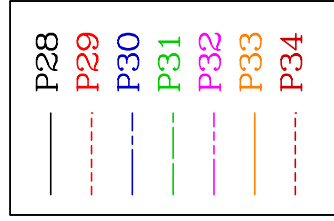
Incident Energy (MeV)

62-Sm-136

MAT 6201

Elastic
Legendre Coefficients

⁶²Sm-136



$\times 10^{-6}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

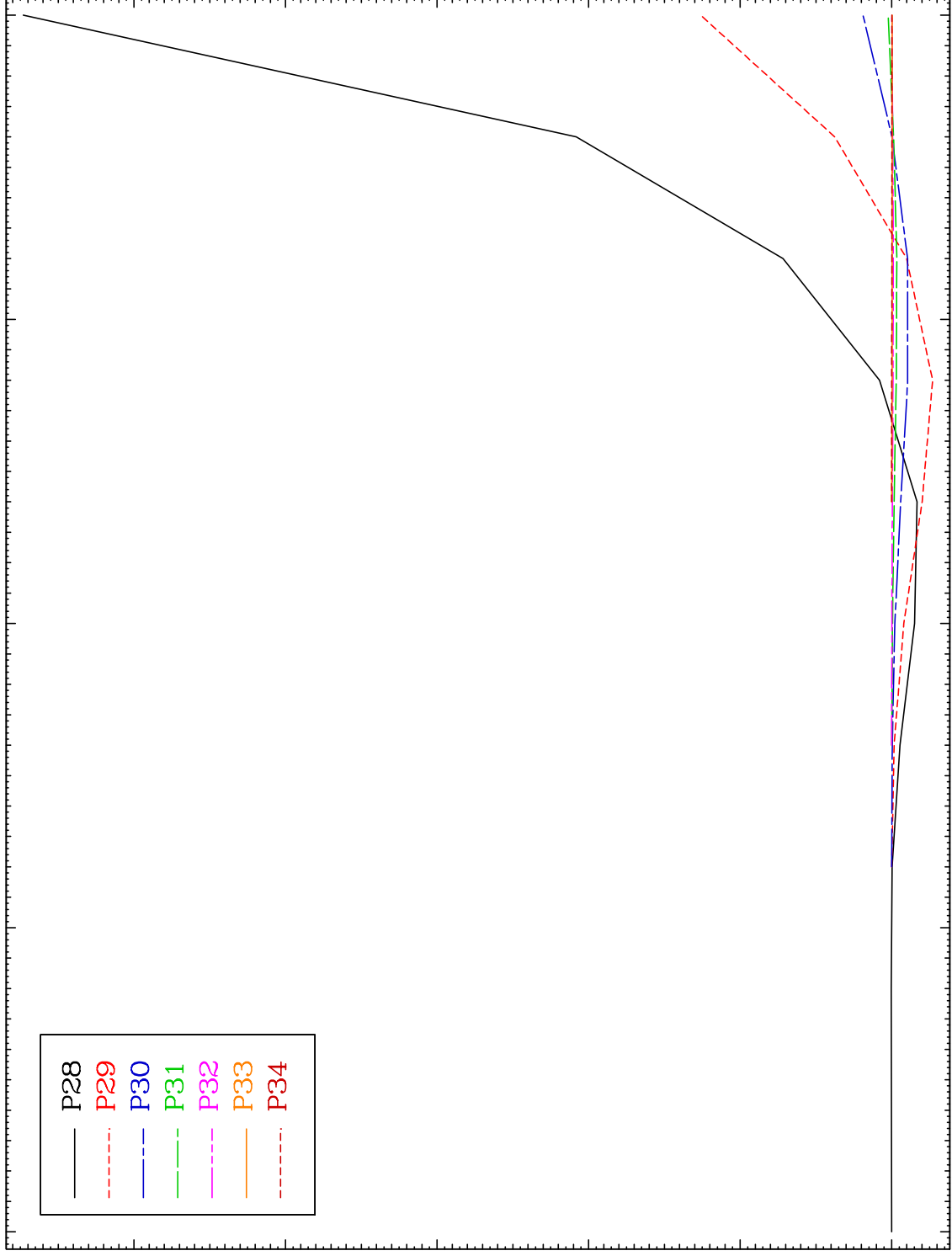
25

30

18

Incident Energy (MeV)

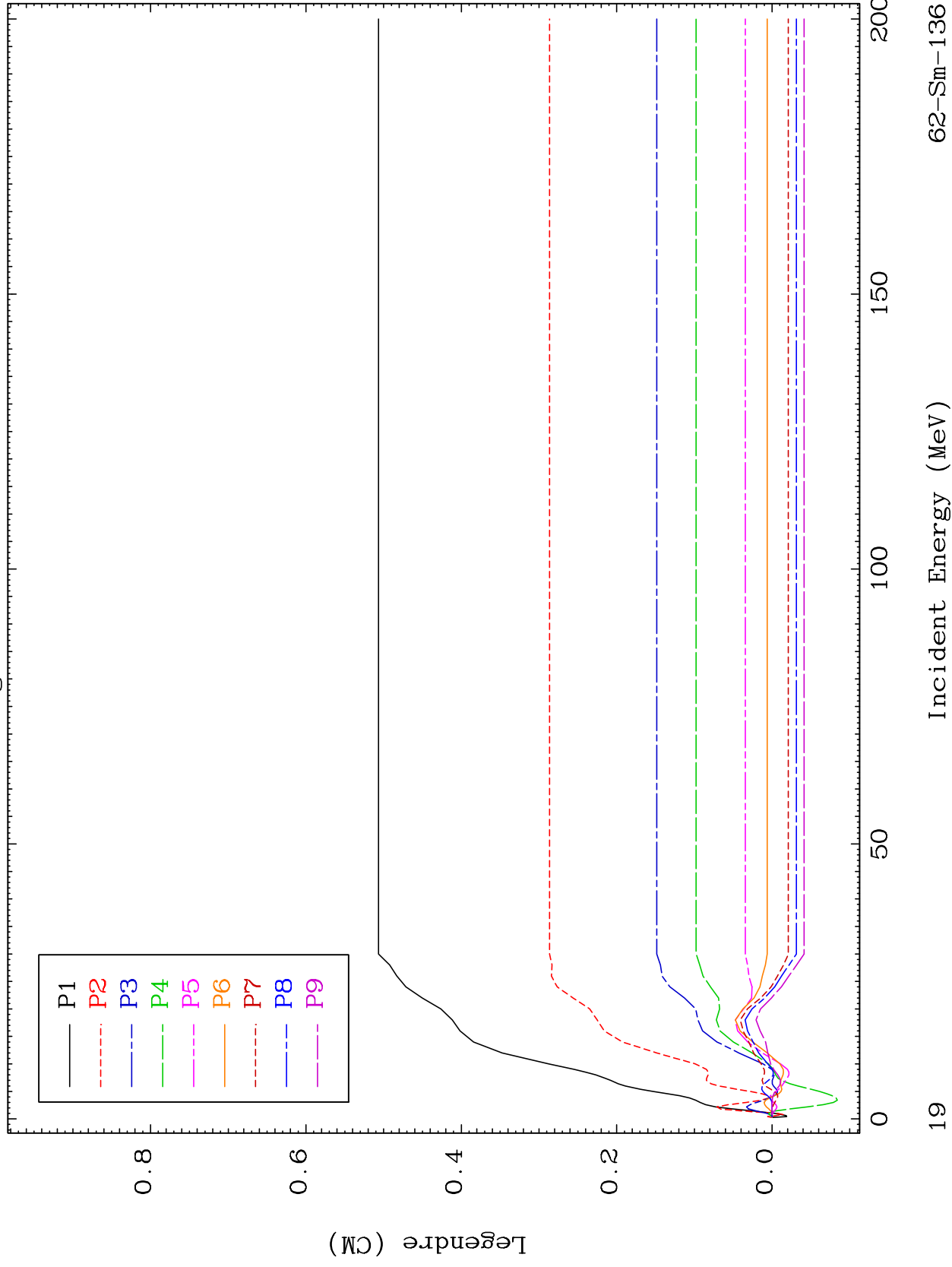
⁶²Sm-136



MAT 6201

254.9 keV (n,n') Level
Legendre Coefficients

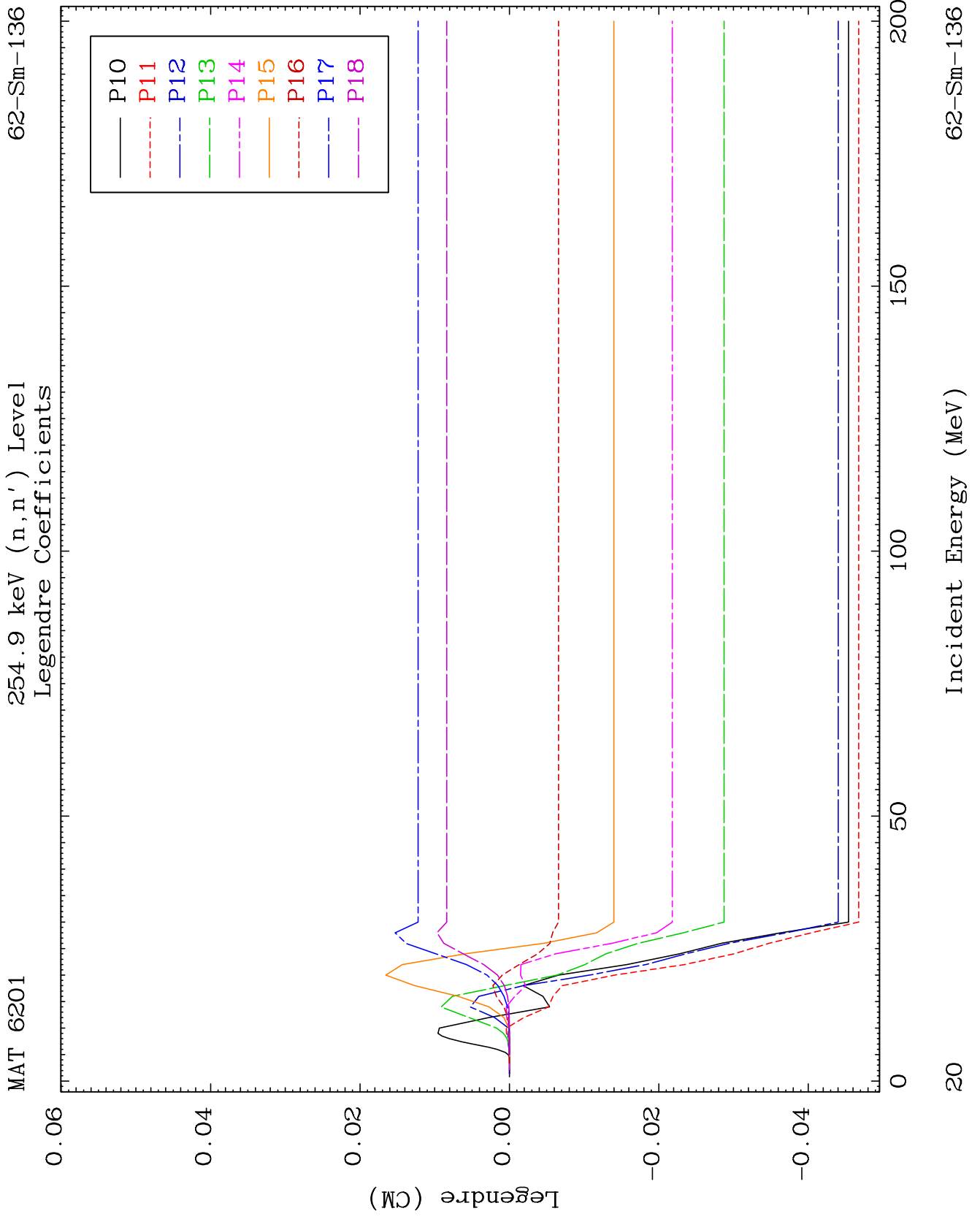
62-Sm-136

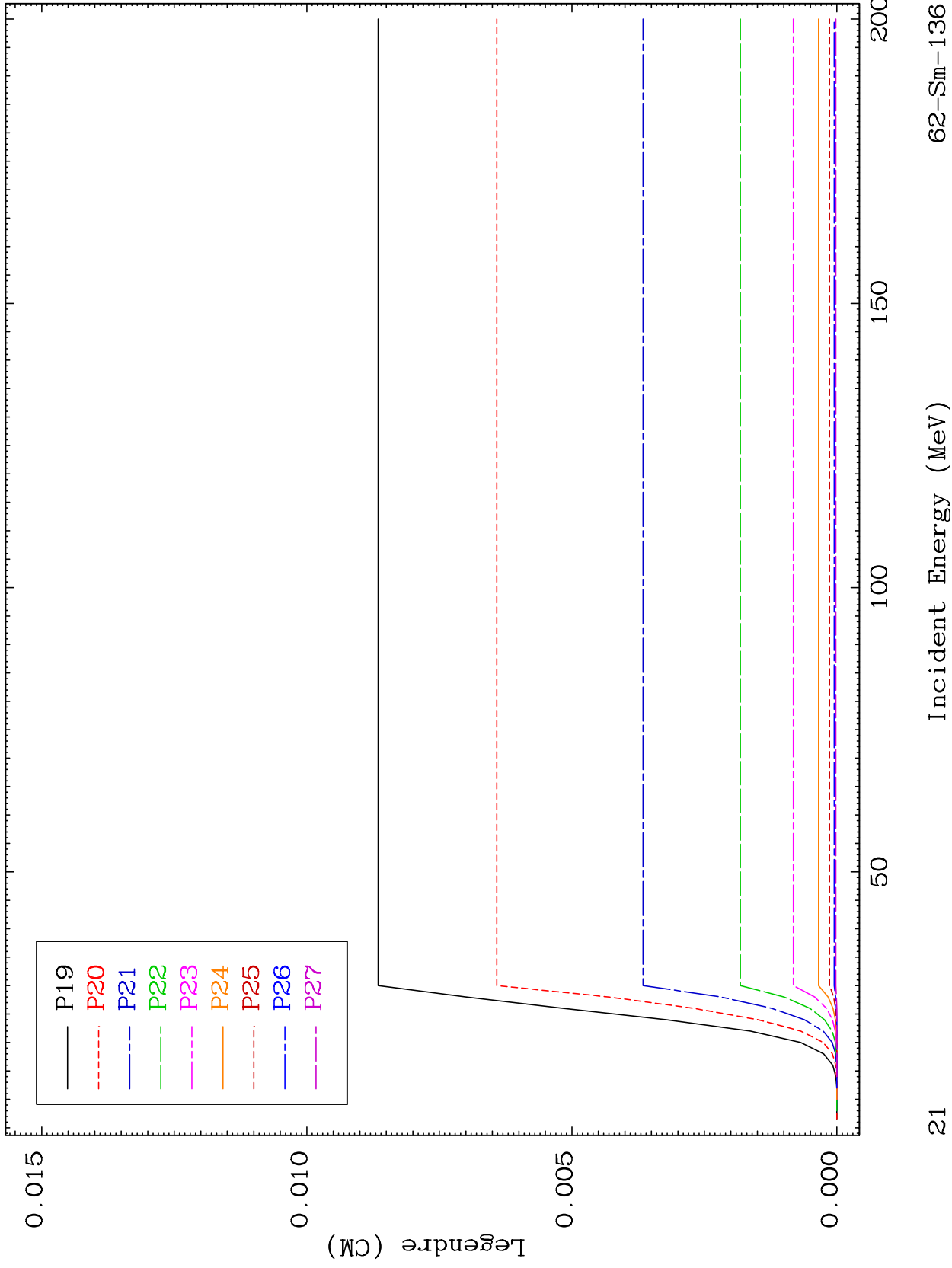


19

Incident Energy (MeV)

62-Sm-136

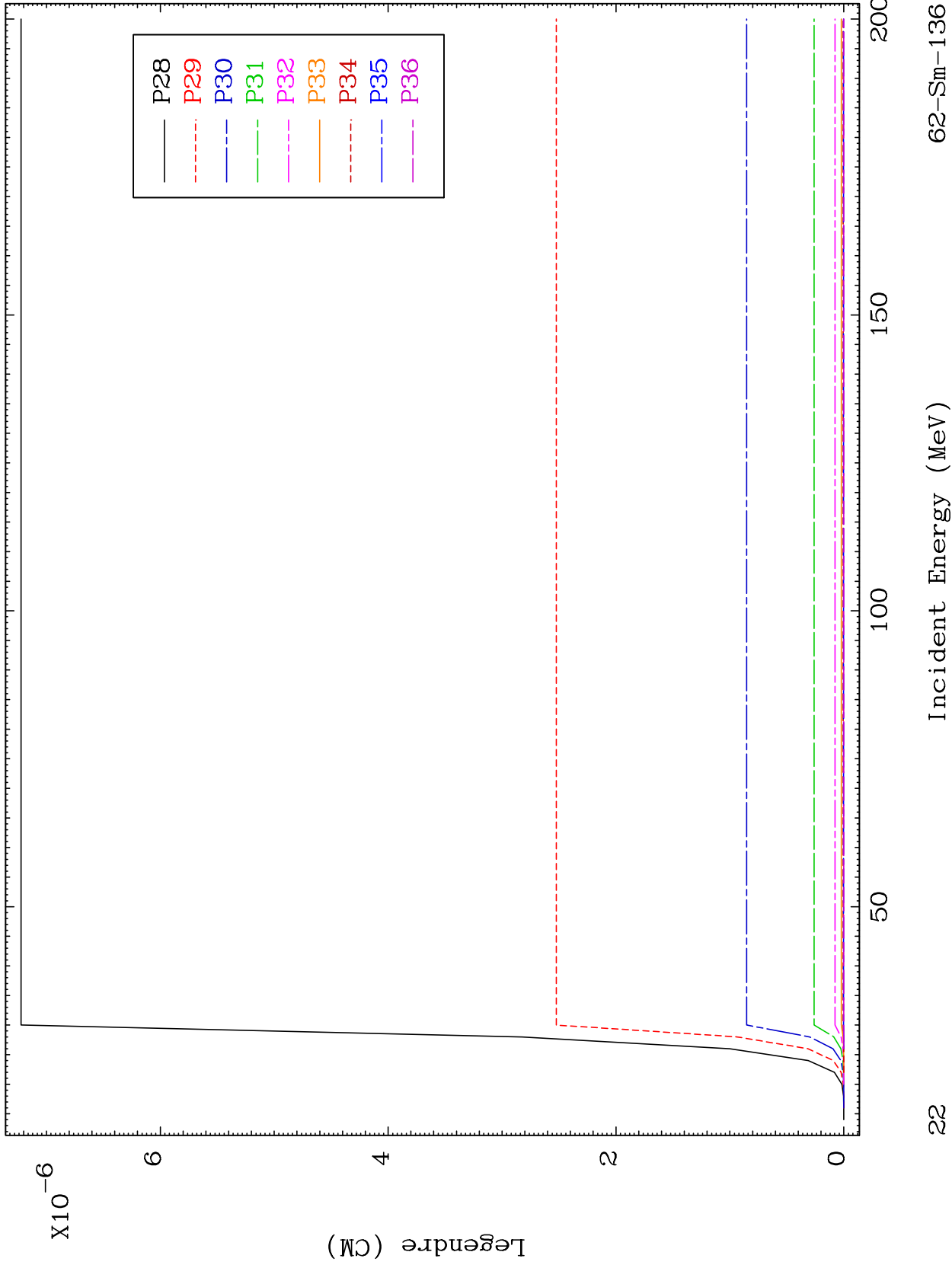




MAT 6201

254.9 keV (n, n') Level
Legendre Coefficients

62-Sm-136



22

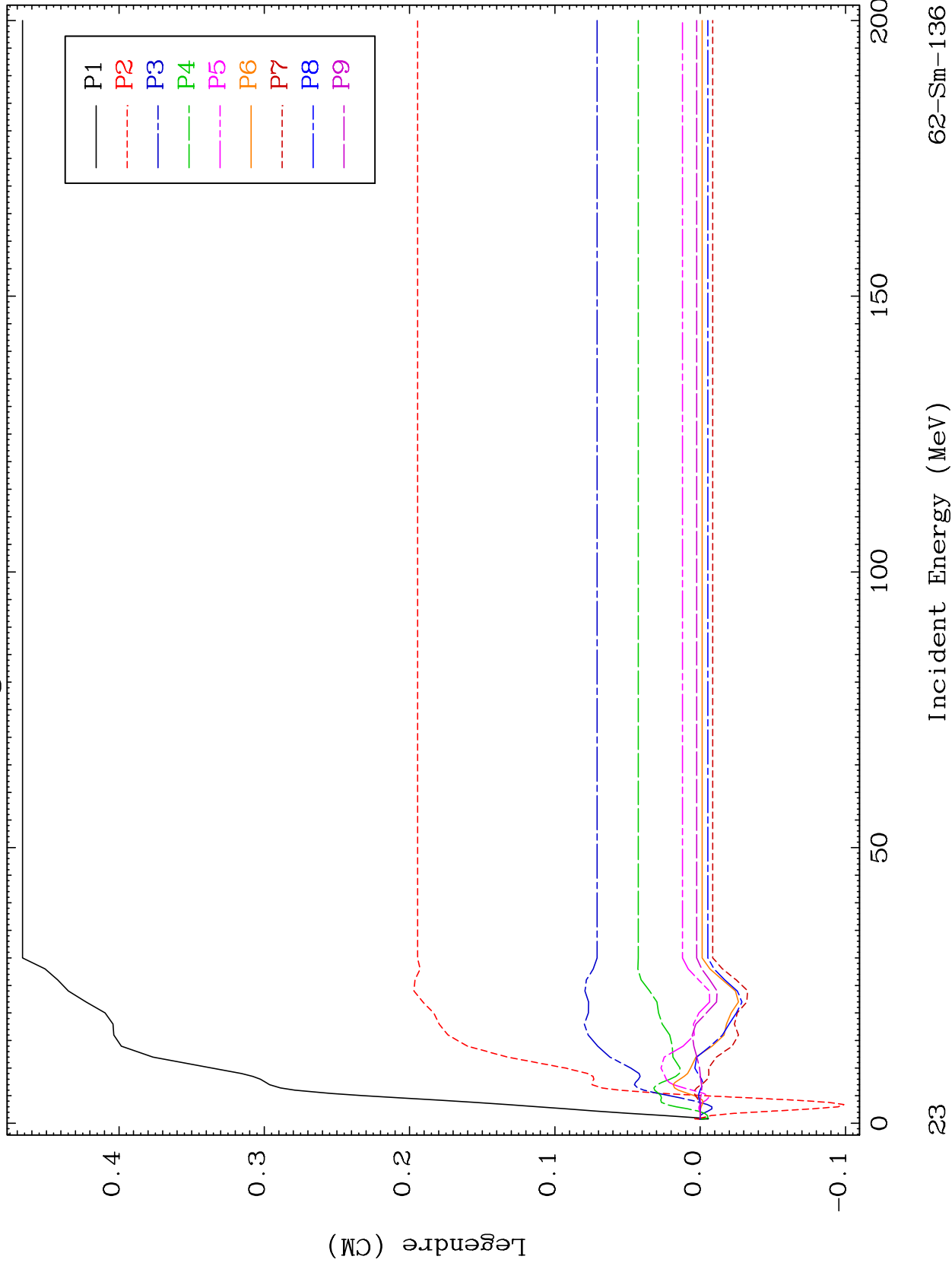
Incident Energy (MeV)

62-Sm-136

MAT 6201

686.4 keV (n,n') Level
Legendre Coefficients

62-Sm-136



62-Sm-136

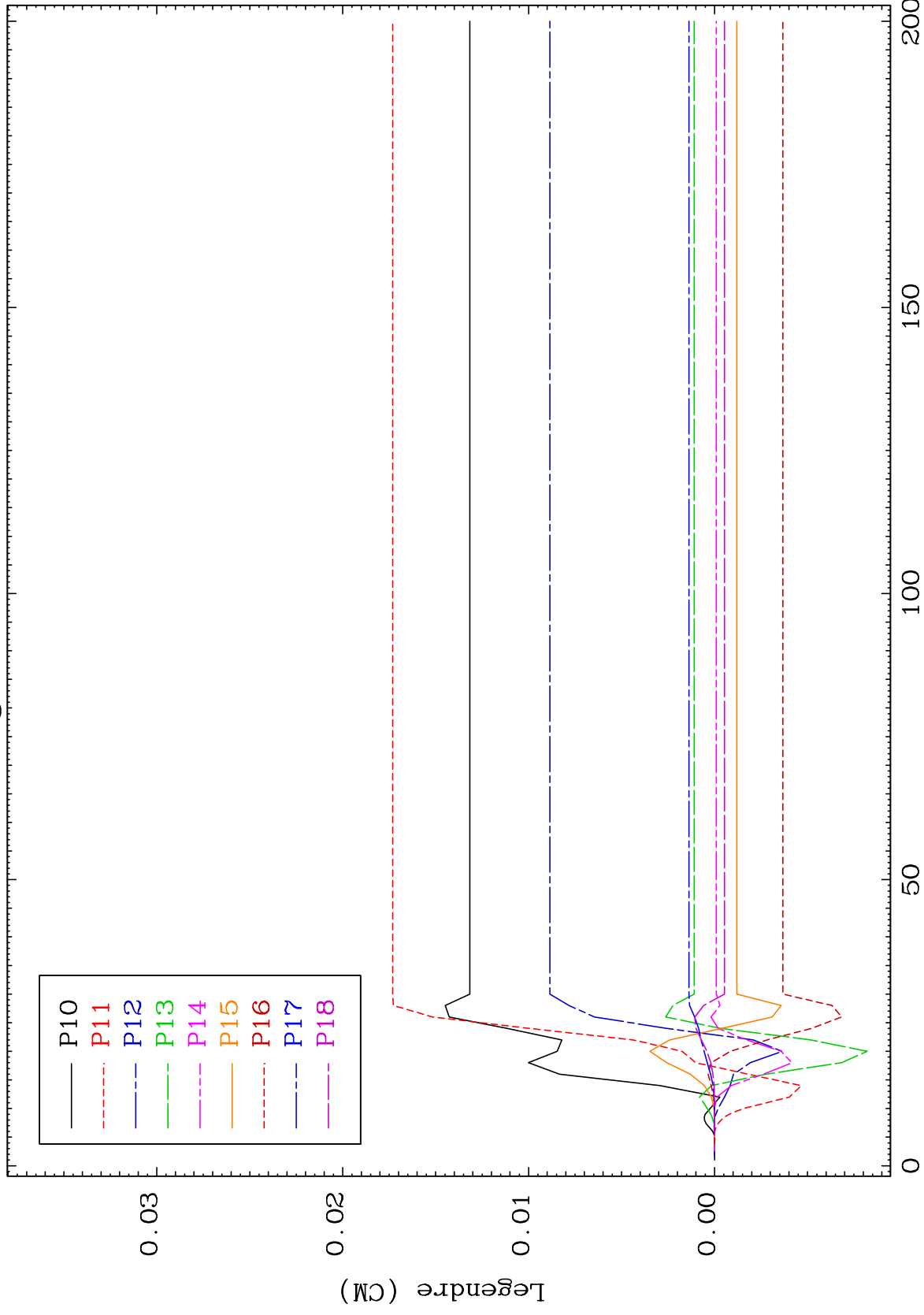
Incident Energy (MeV)

23

MAT 6201

686.4 keV (n, n') Level
Legendre Coefficients

62-Sm-136



24

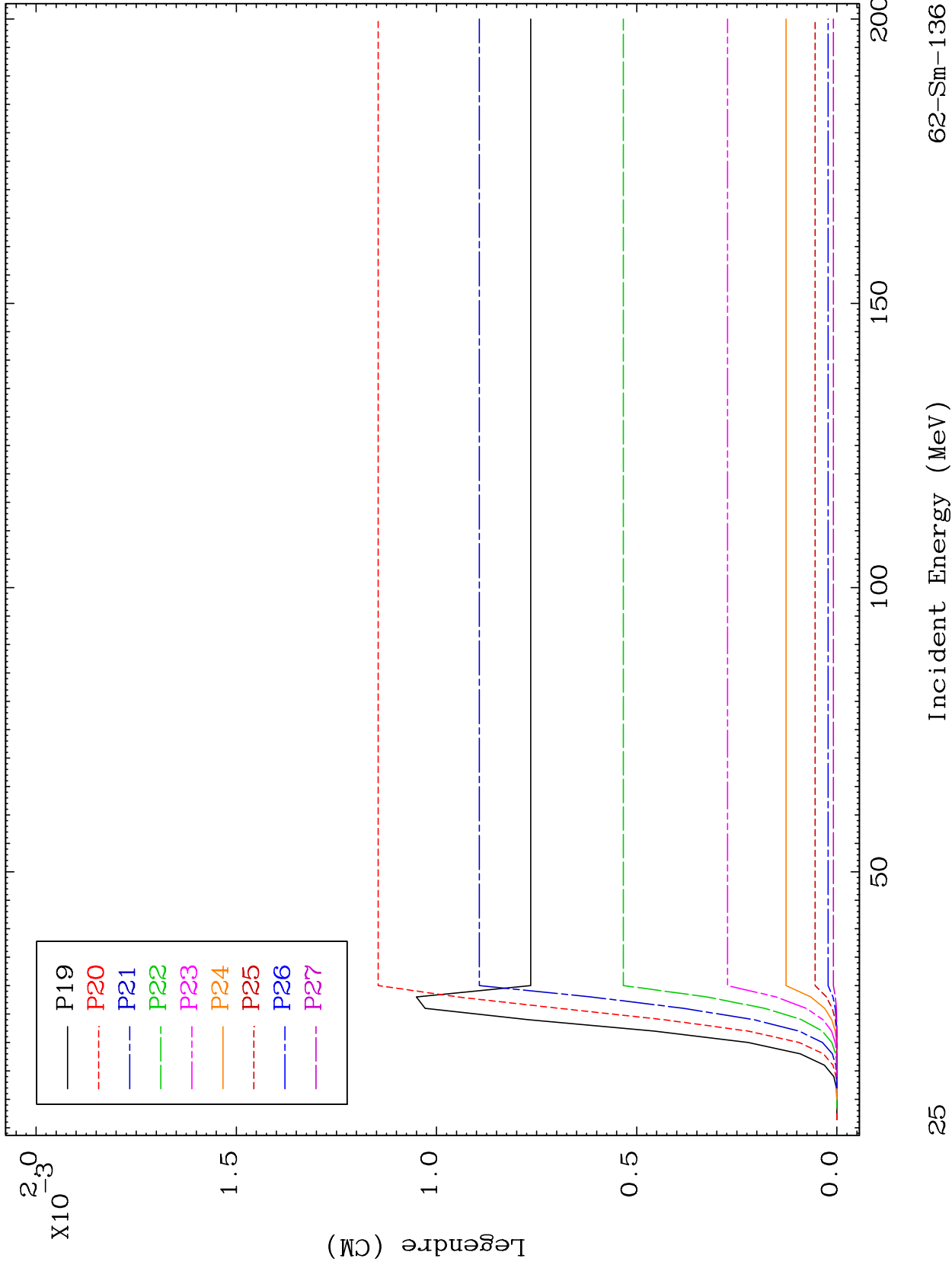
Incident Energy (MeV)

62-Sm-136

MAT 6201

686.4 keV (n,n') Level
Legendre Coefficients

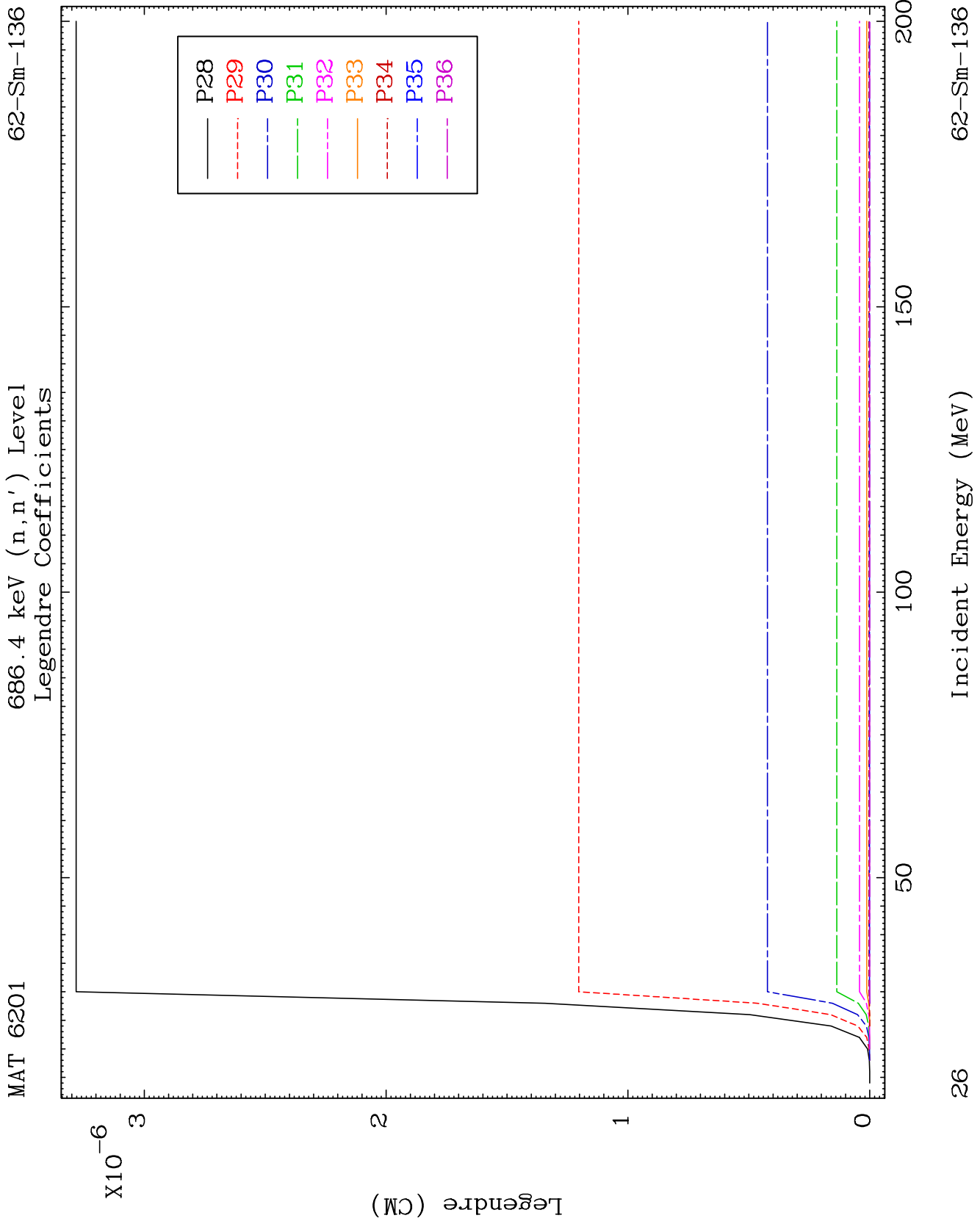
62-Sm-136

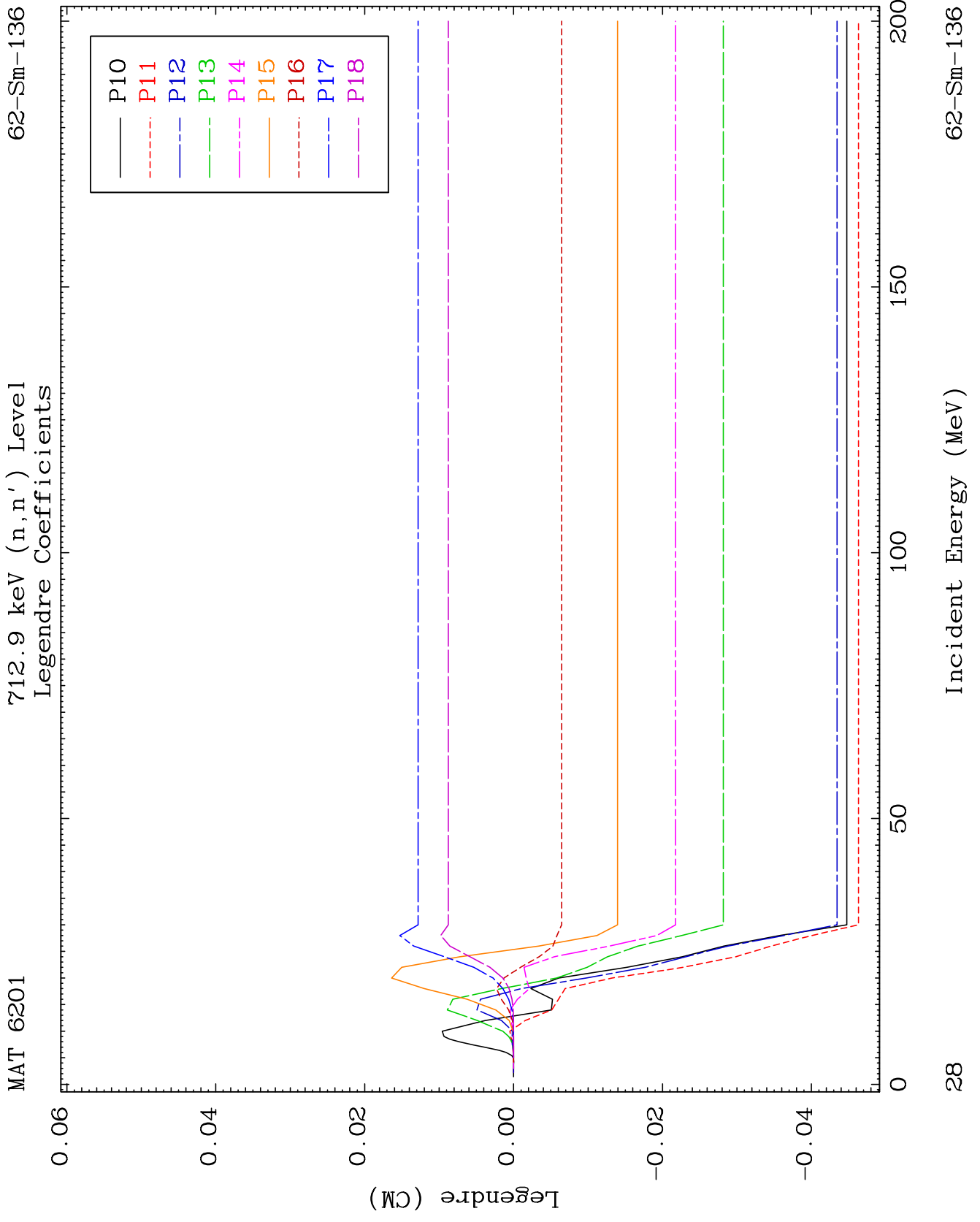


25

Incident Energy (MeV)

62-Sm-136

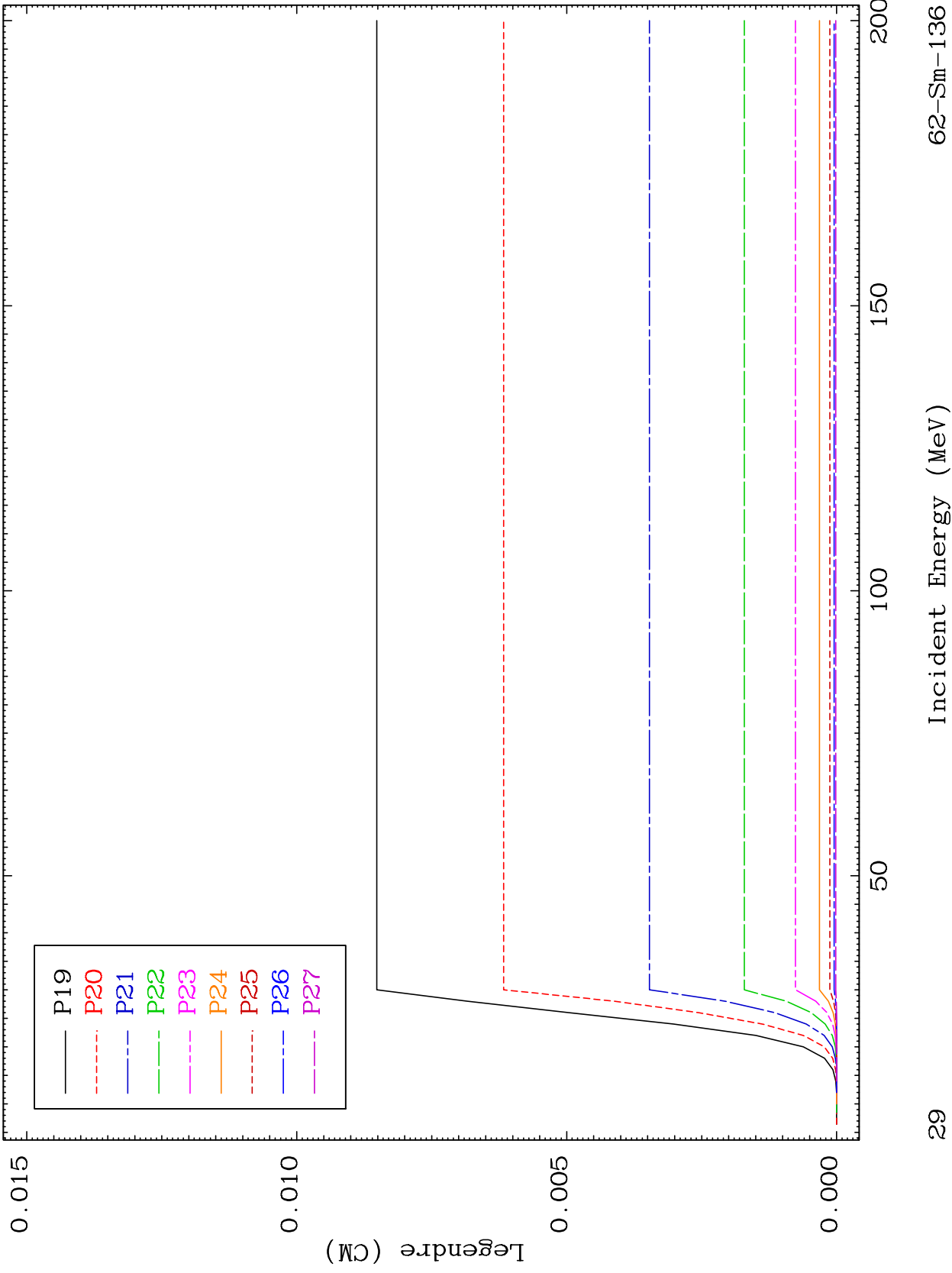


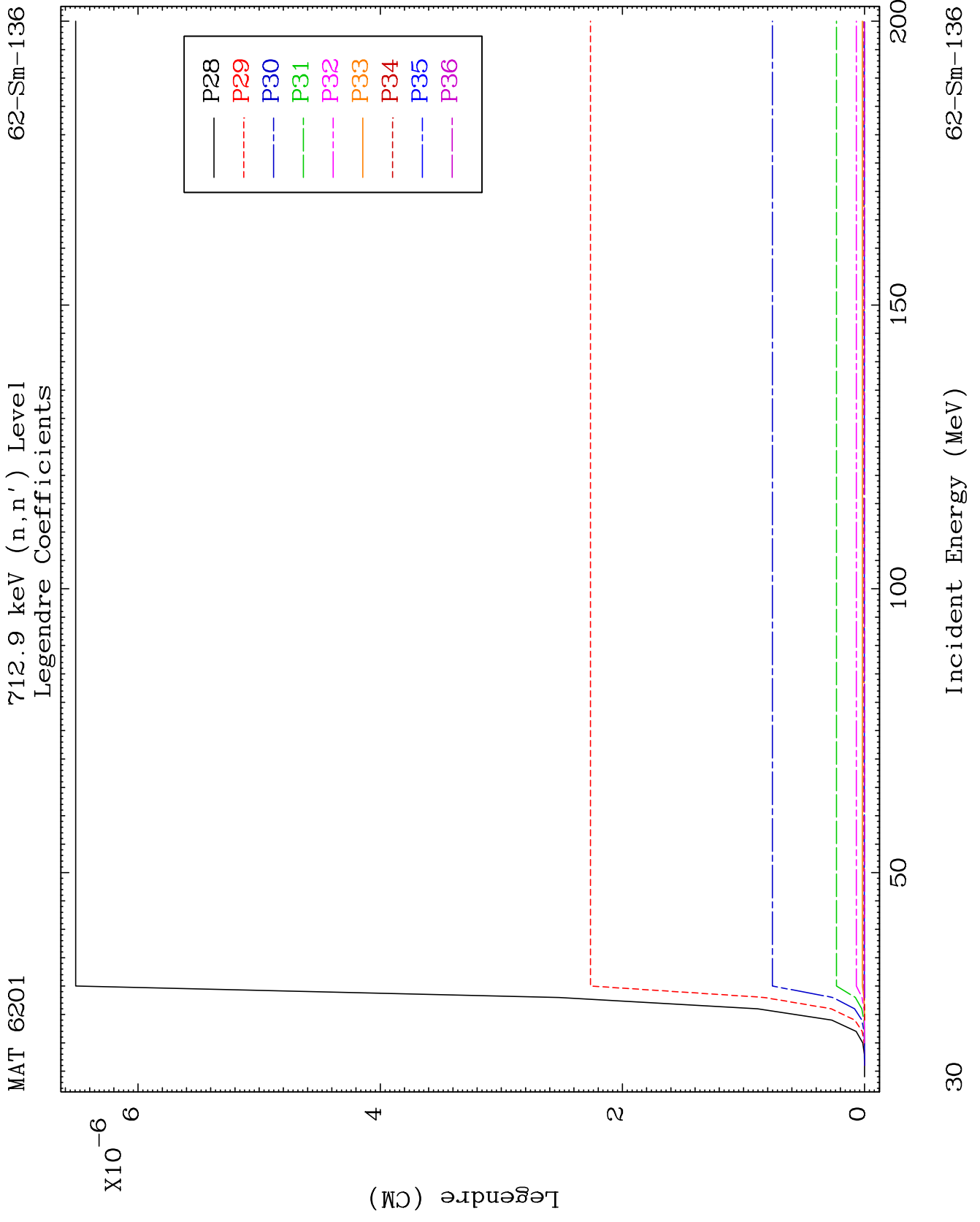


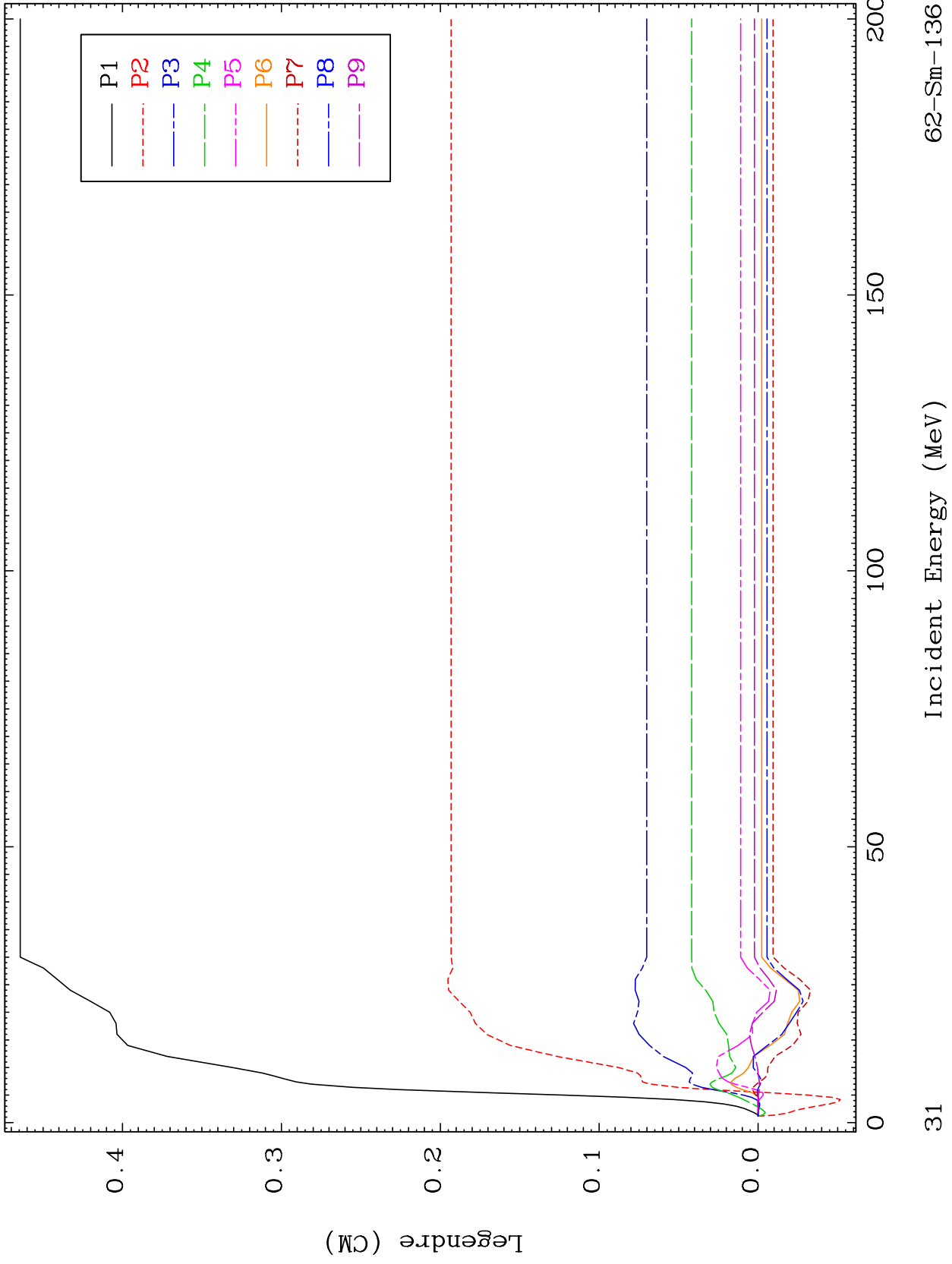
MAT 6201

712.9 keV (n,n') Level
Legendre Coefficients

62-Sm-136



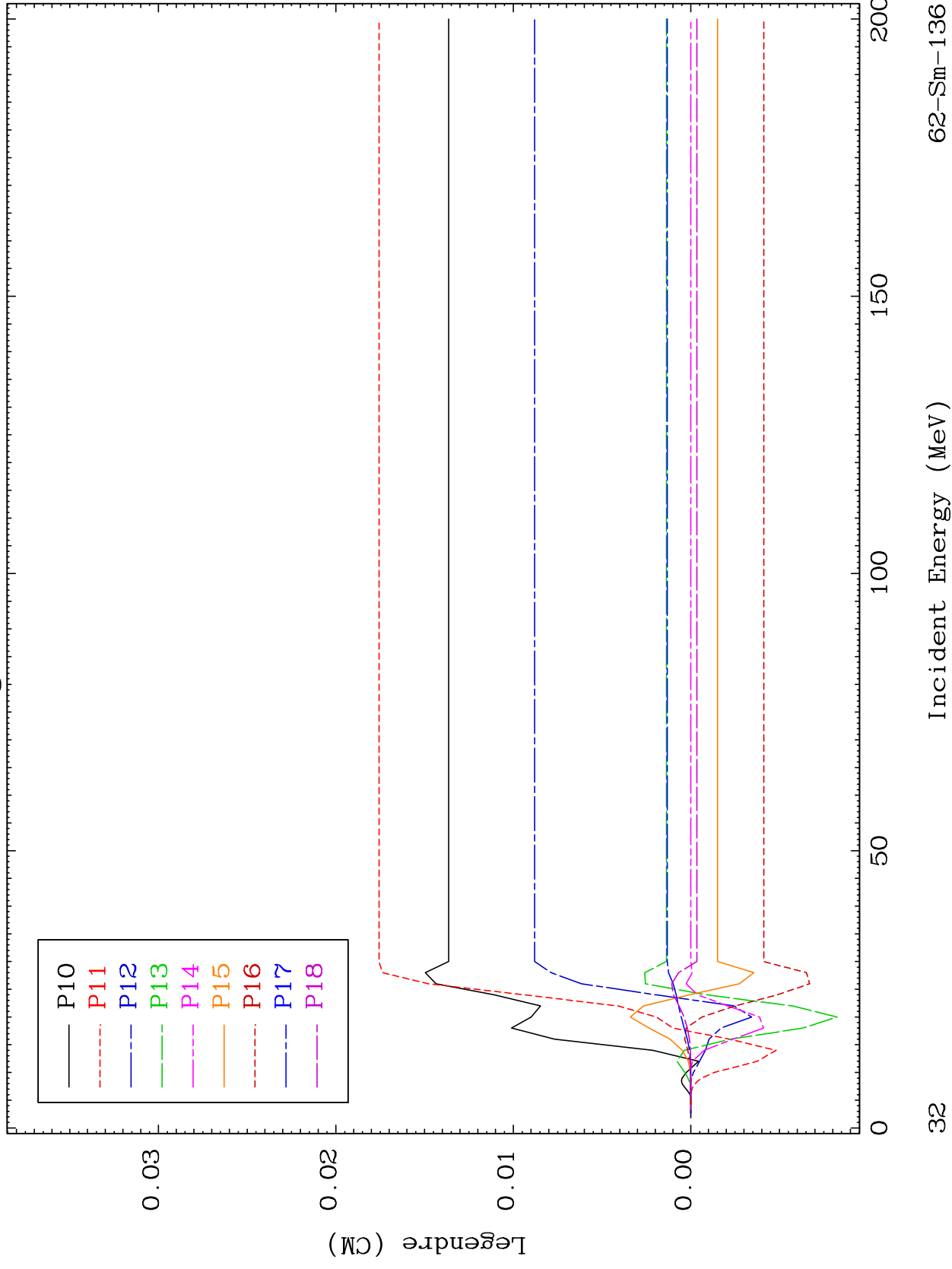




MAT 6201

1.171 MeV (n, n') Level
Legendre Coefficients

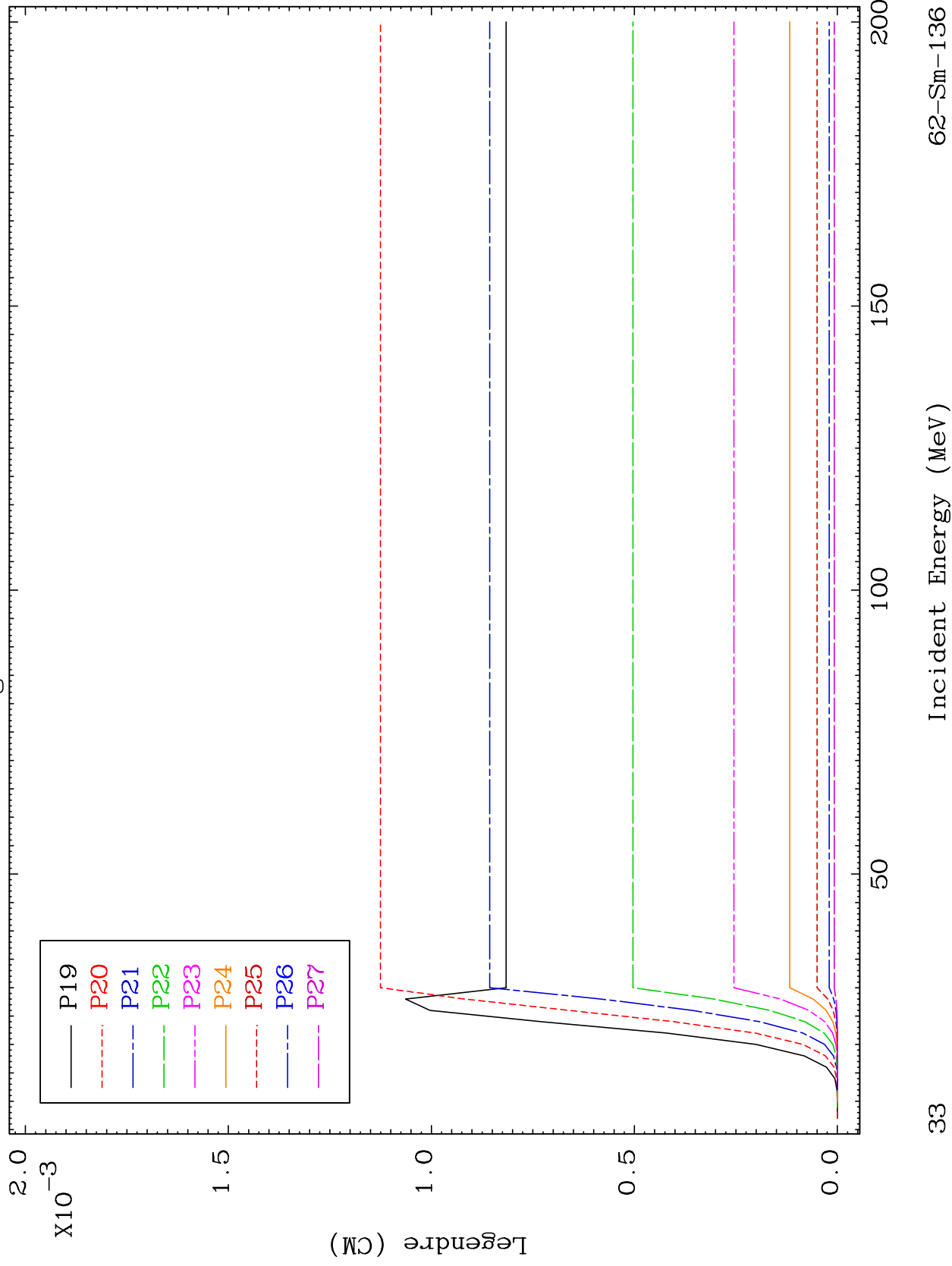
62-Sm-136

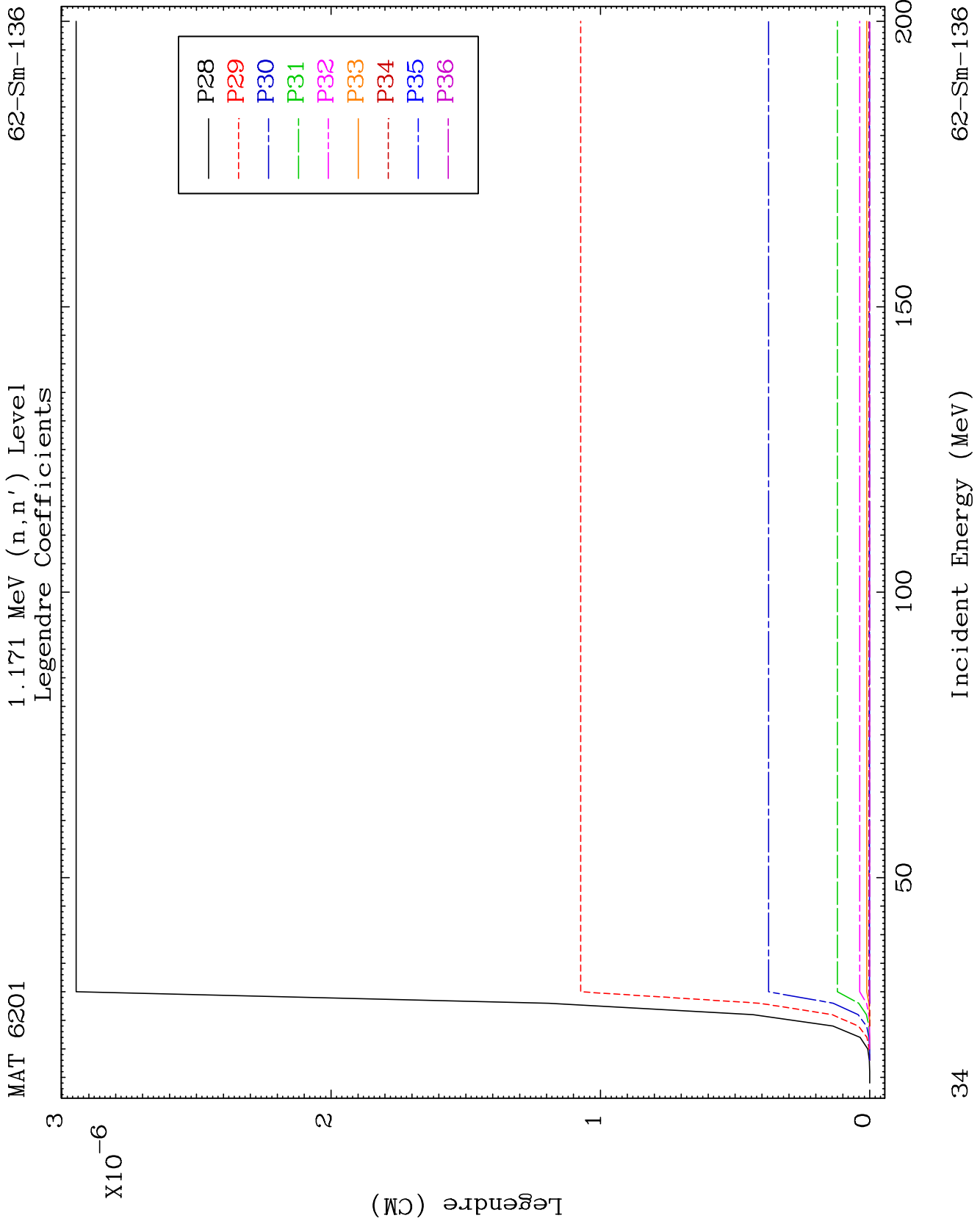


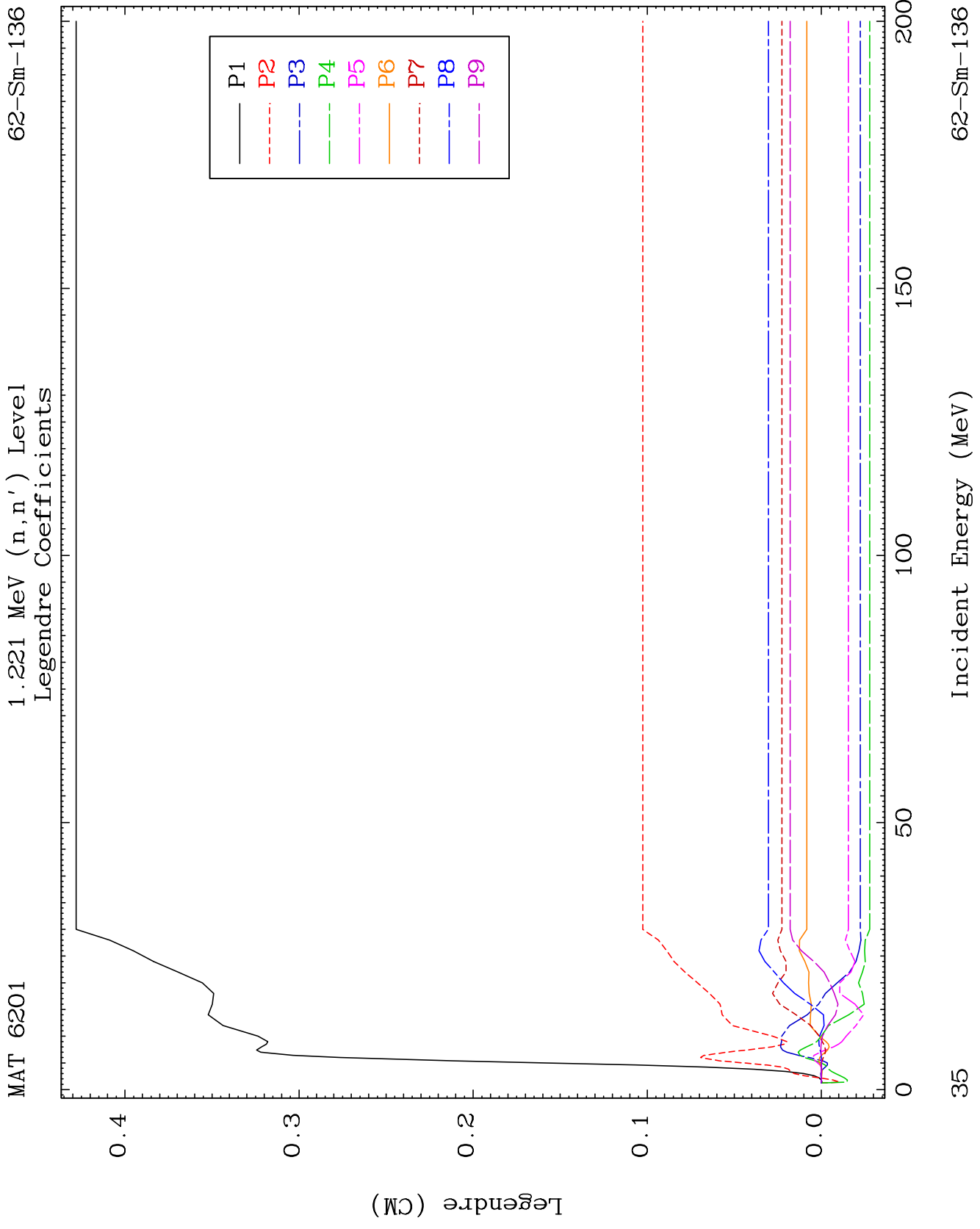
32

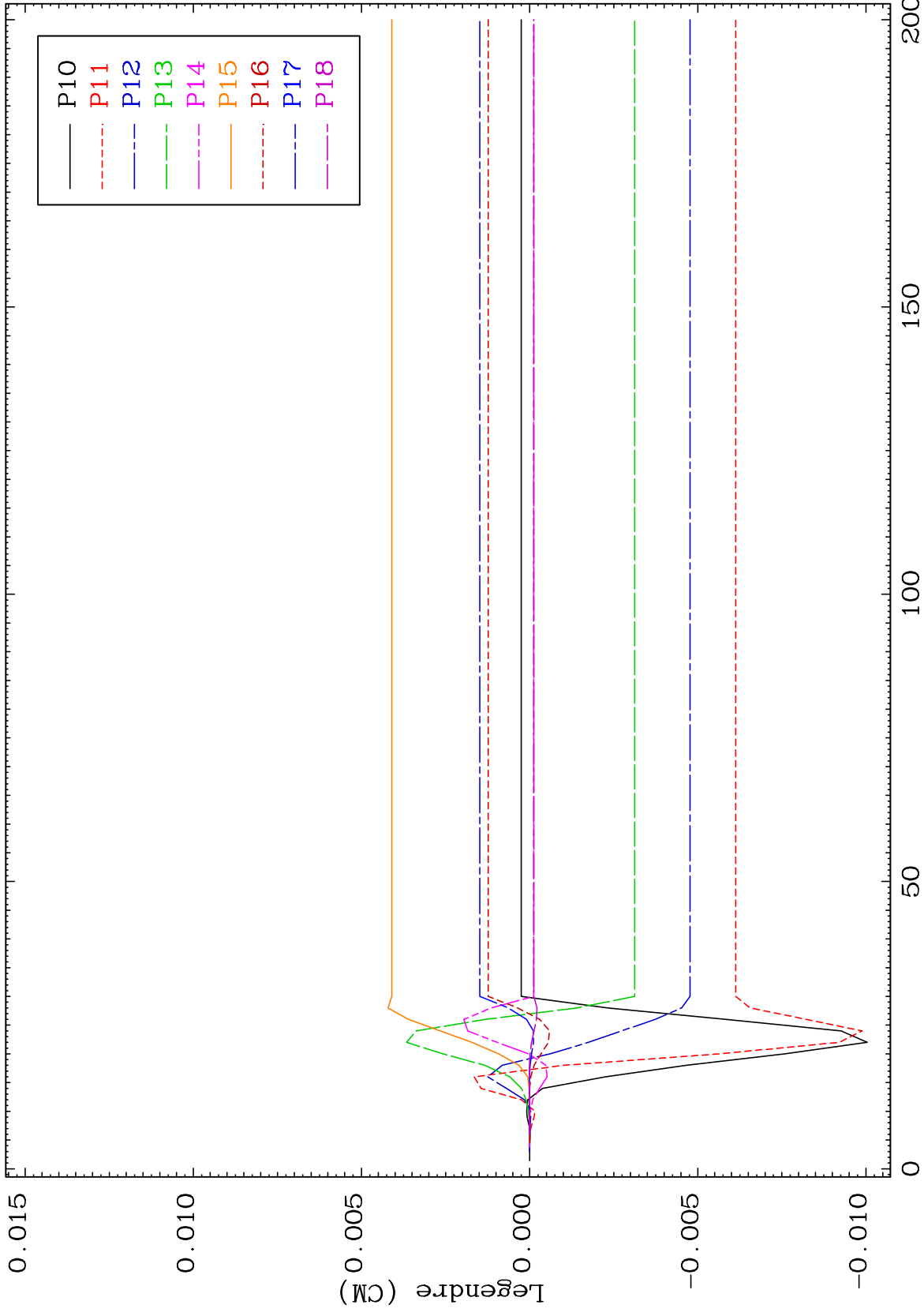
Incident Energy (MeV)

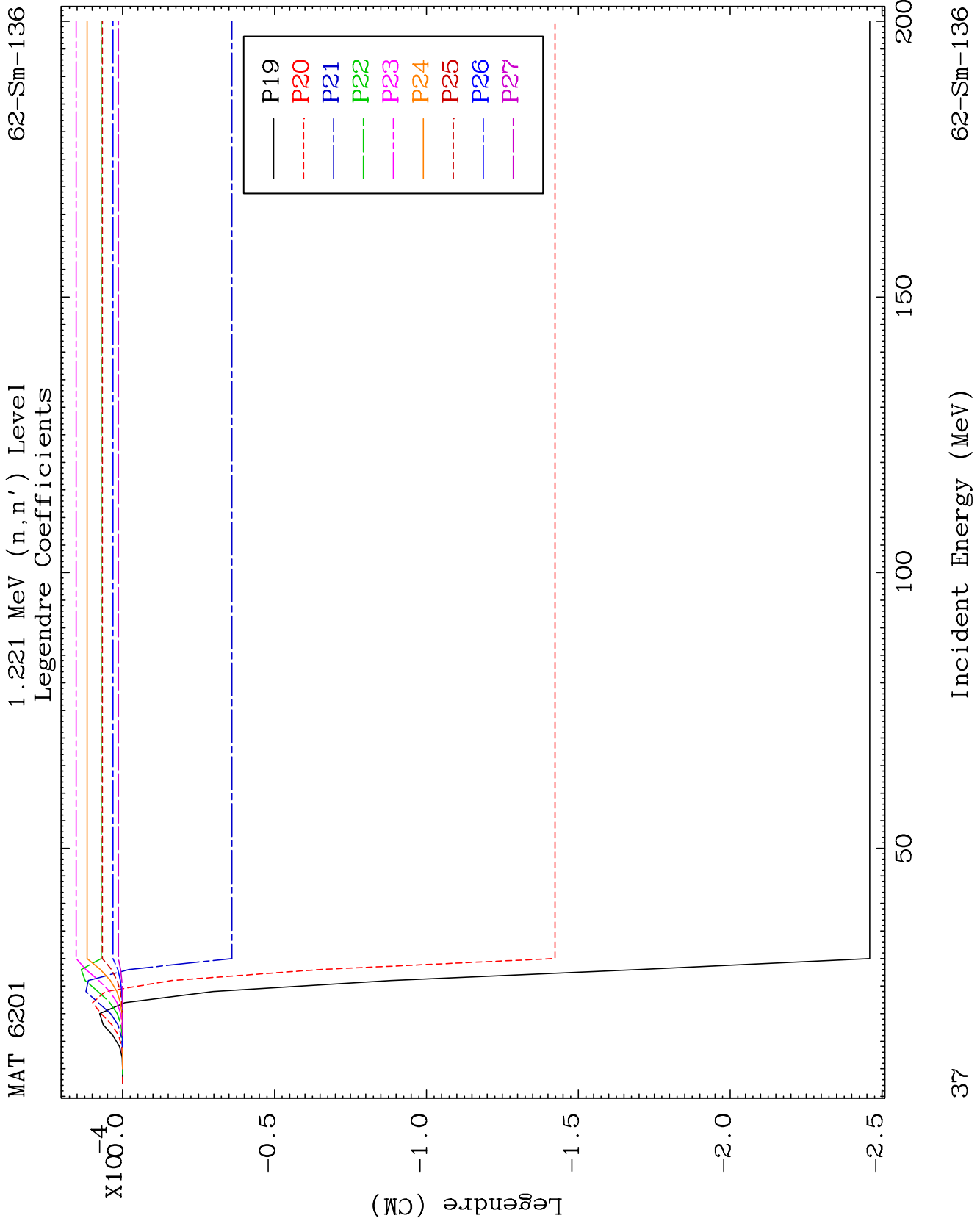
62-Sm-136

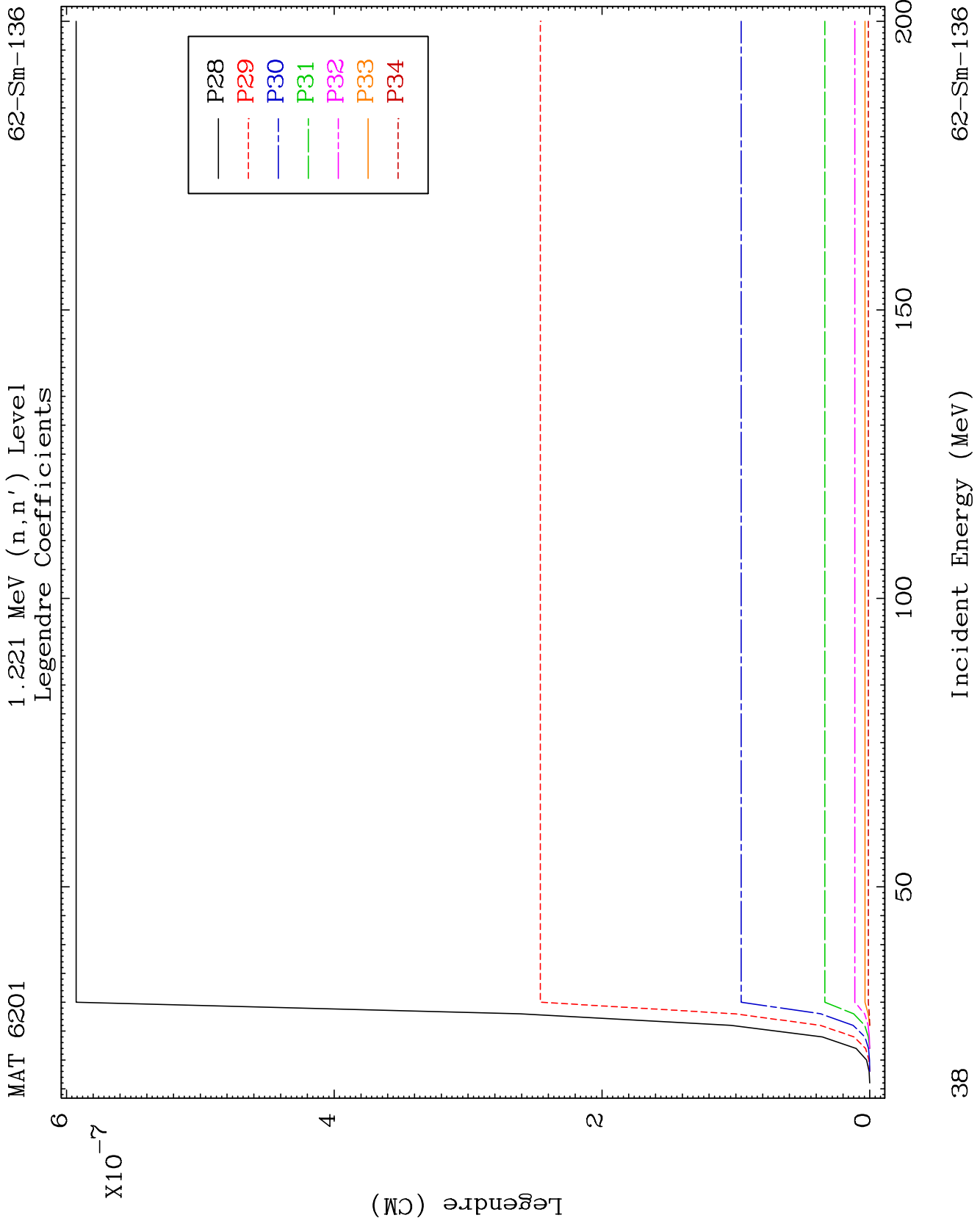


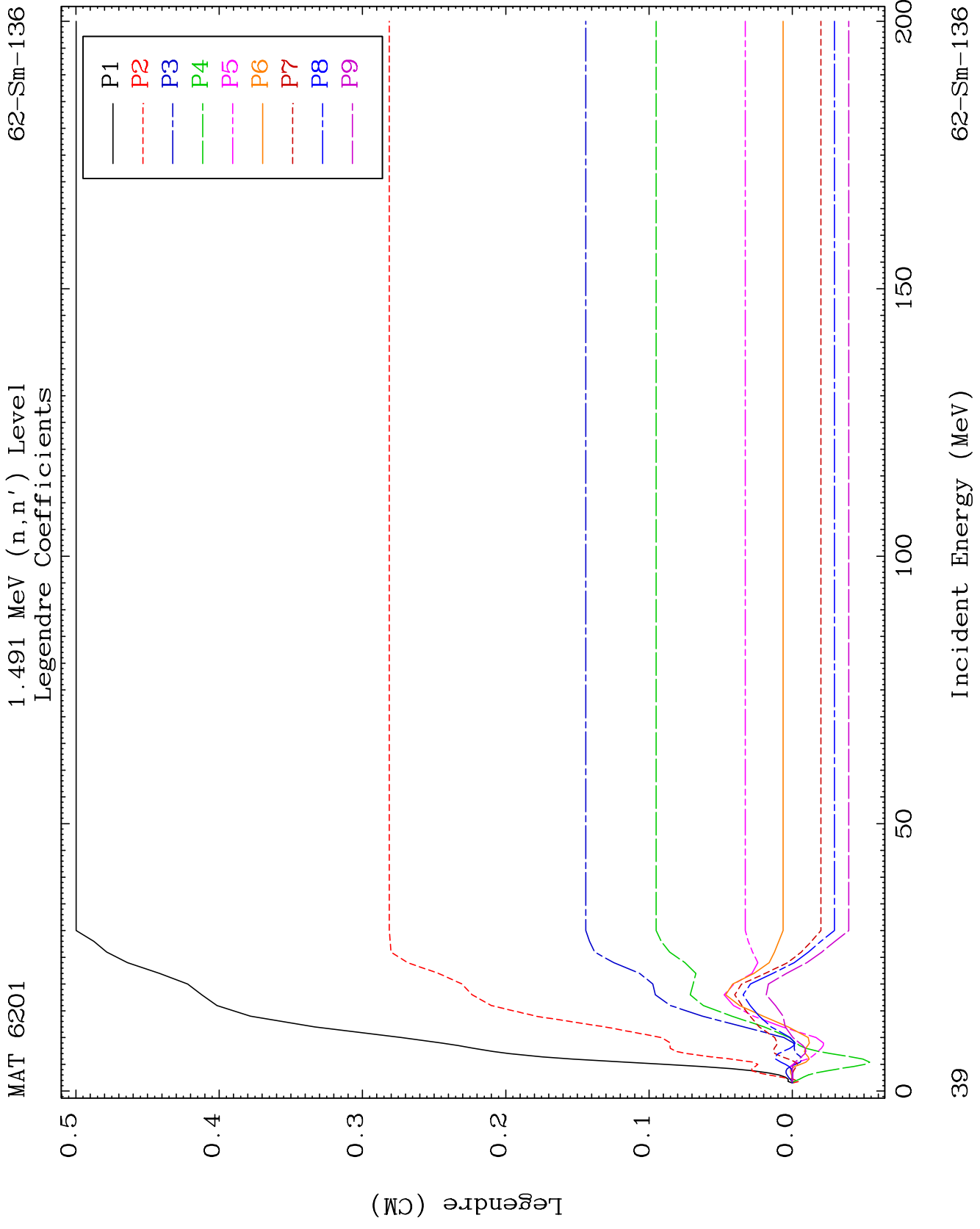


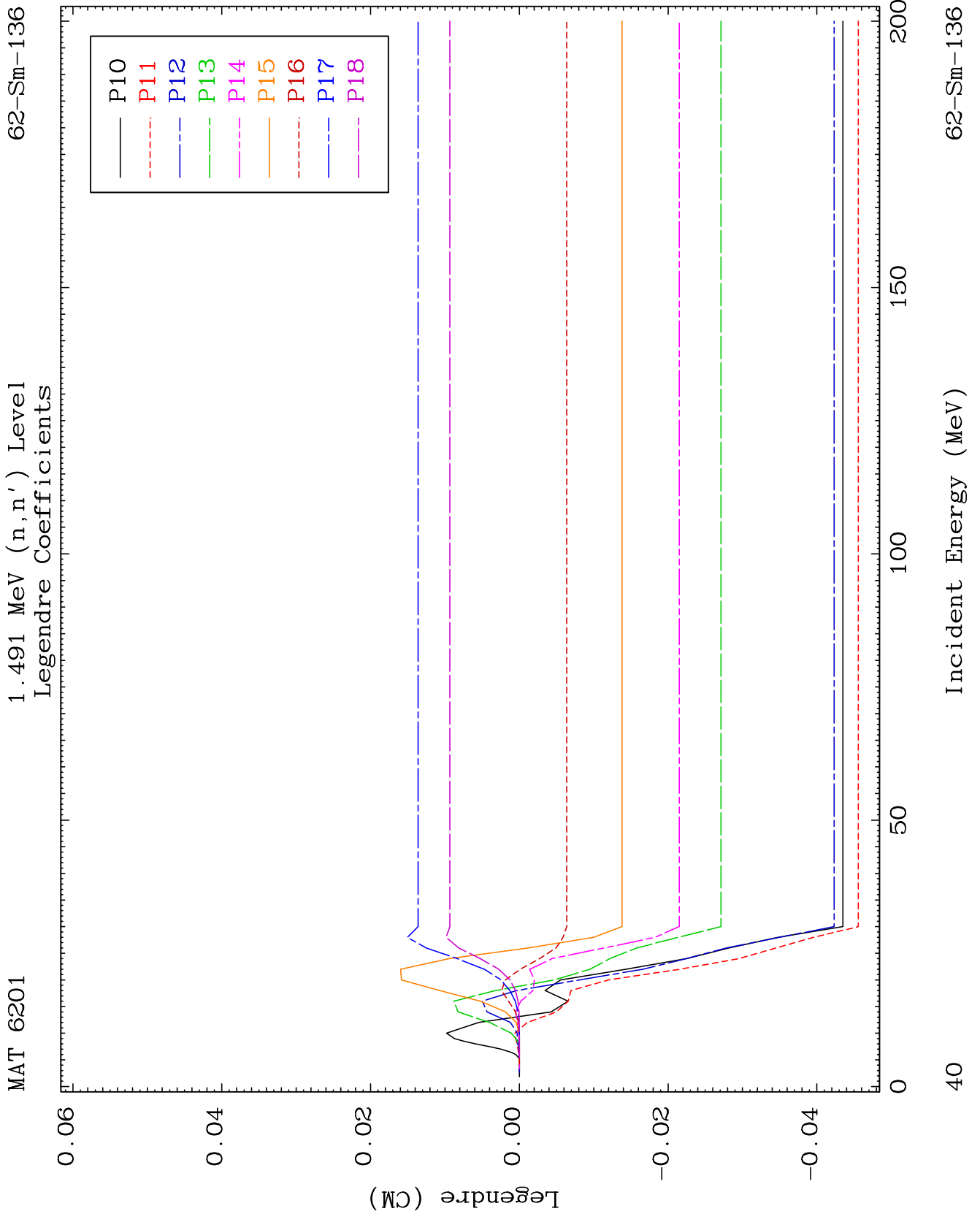


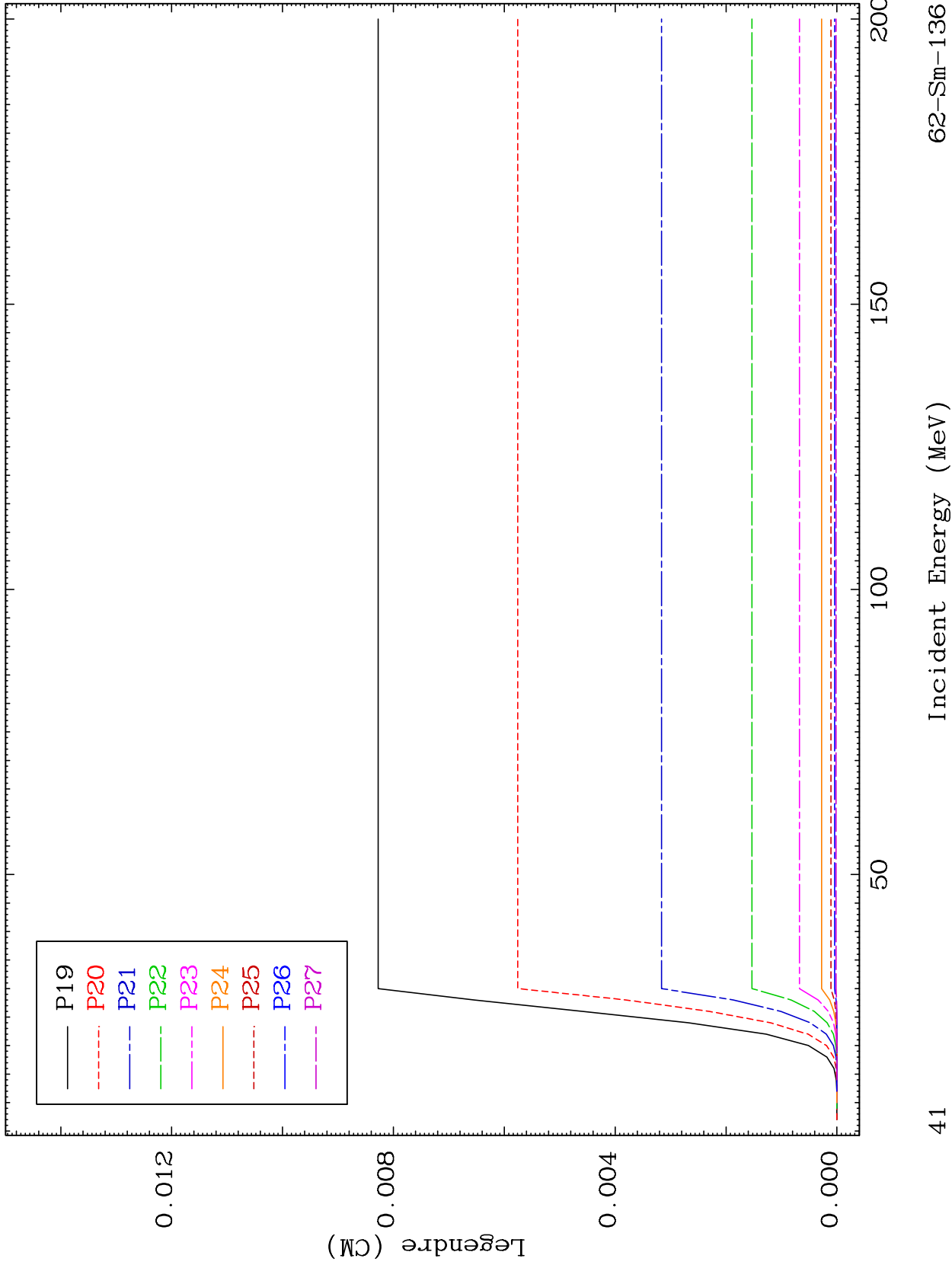








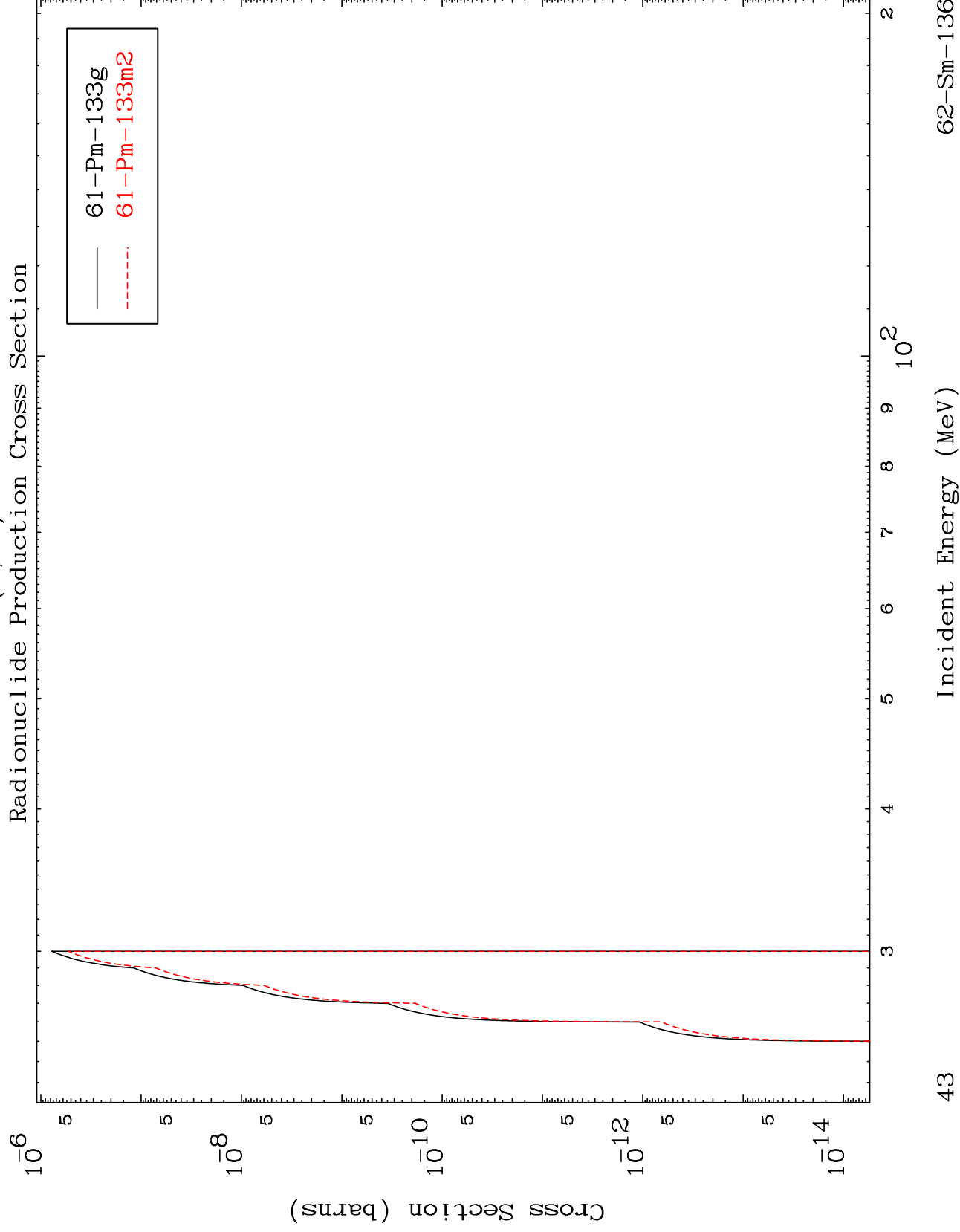




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(n,2n) d

62-Sm-136



43

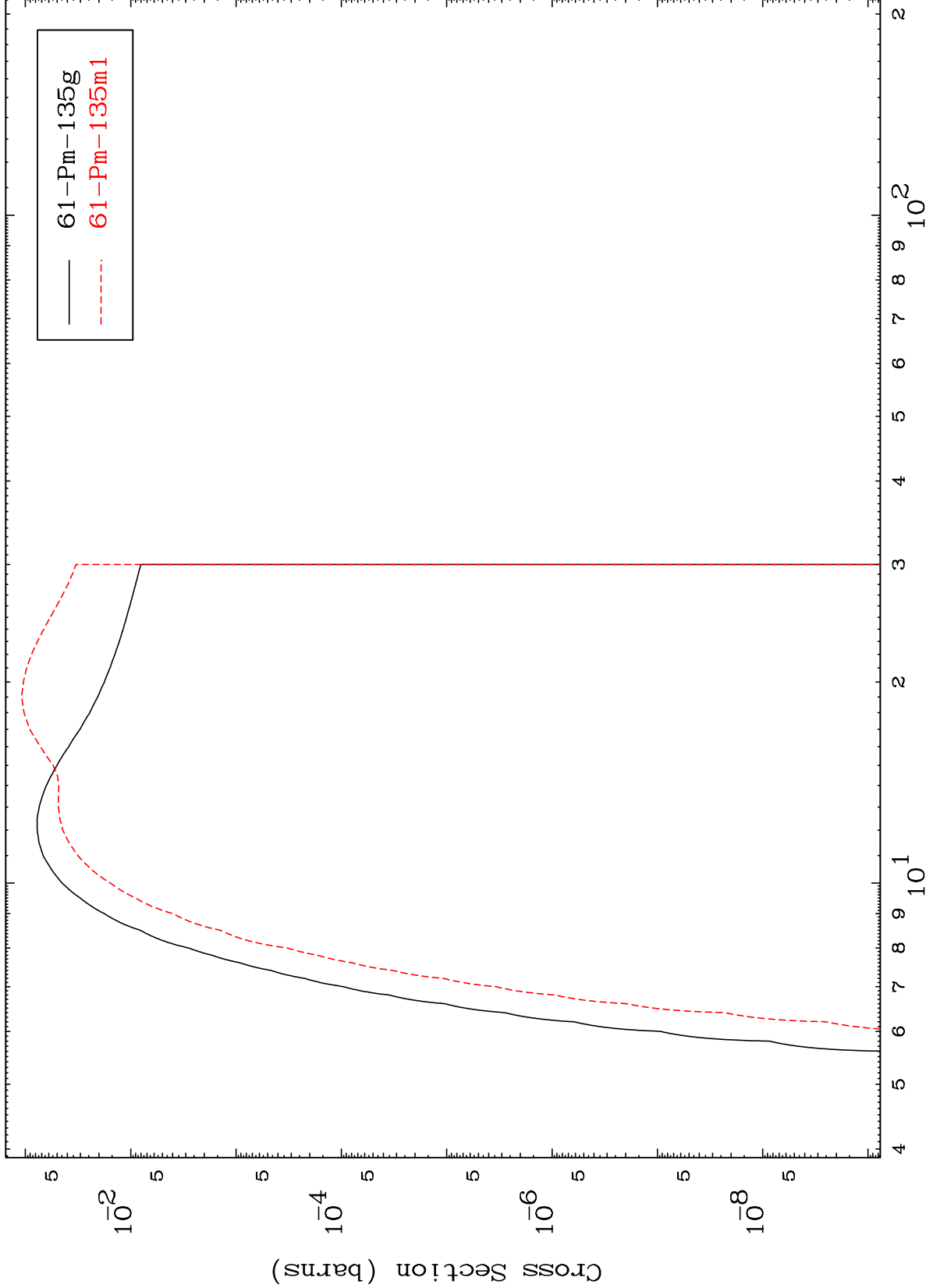
62-Sm-136

MAT 6201

(n,n') p

62-Sm-136

Radionuclide Production Cross Section



61-Pm-135g
61-Pm-135m1

44

Incident Energy (MeV)

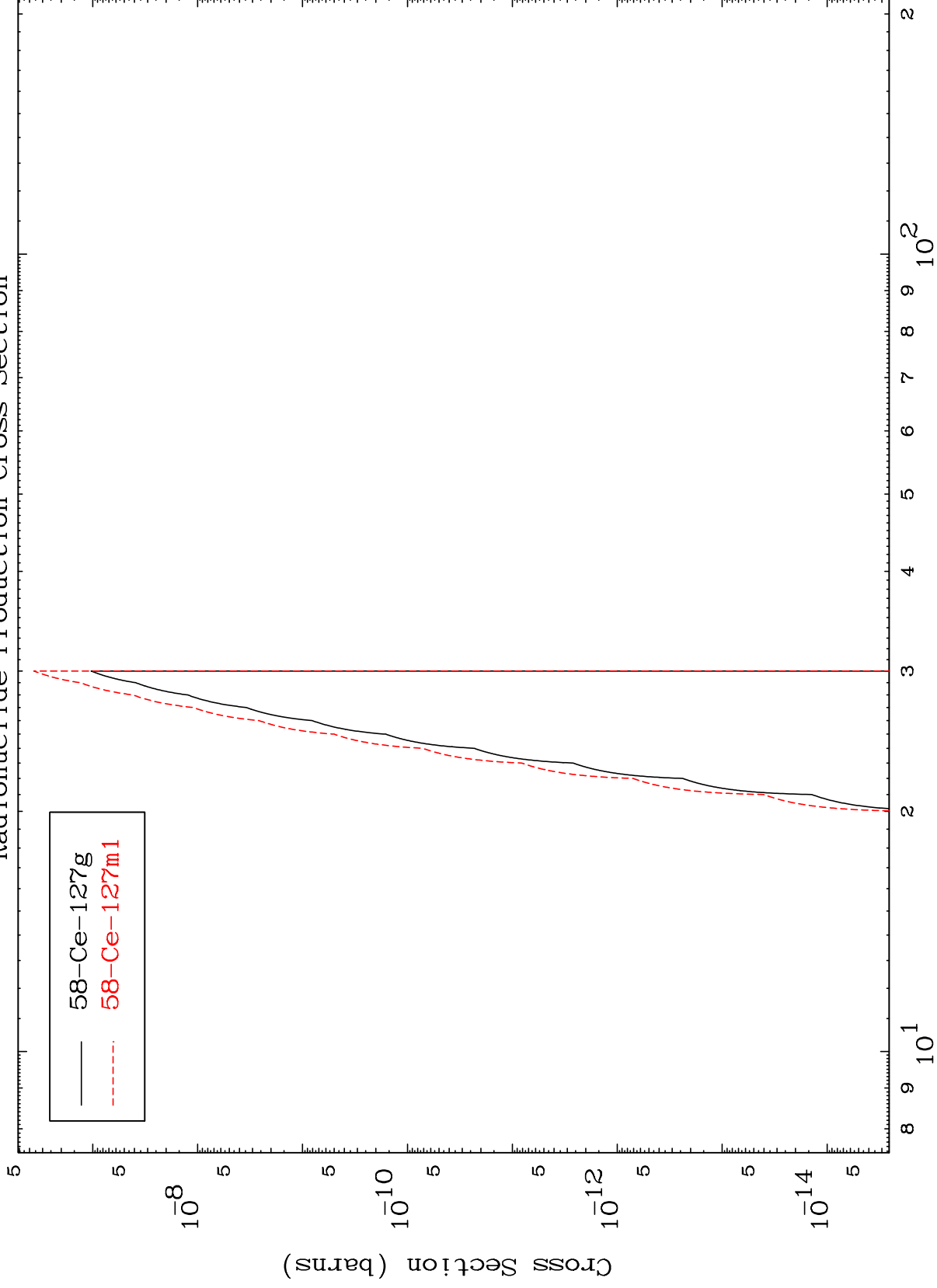
62-Sm-136

MAT 6201

(n,2n) 2α

62-Sm-136

Radionuclide Production Cross Section



45

Incident Energy (MeV)

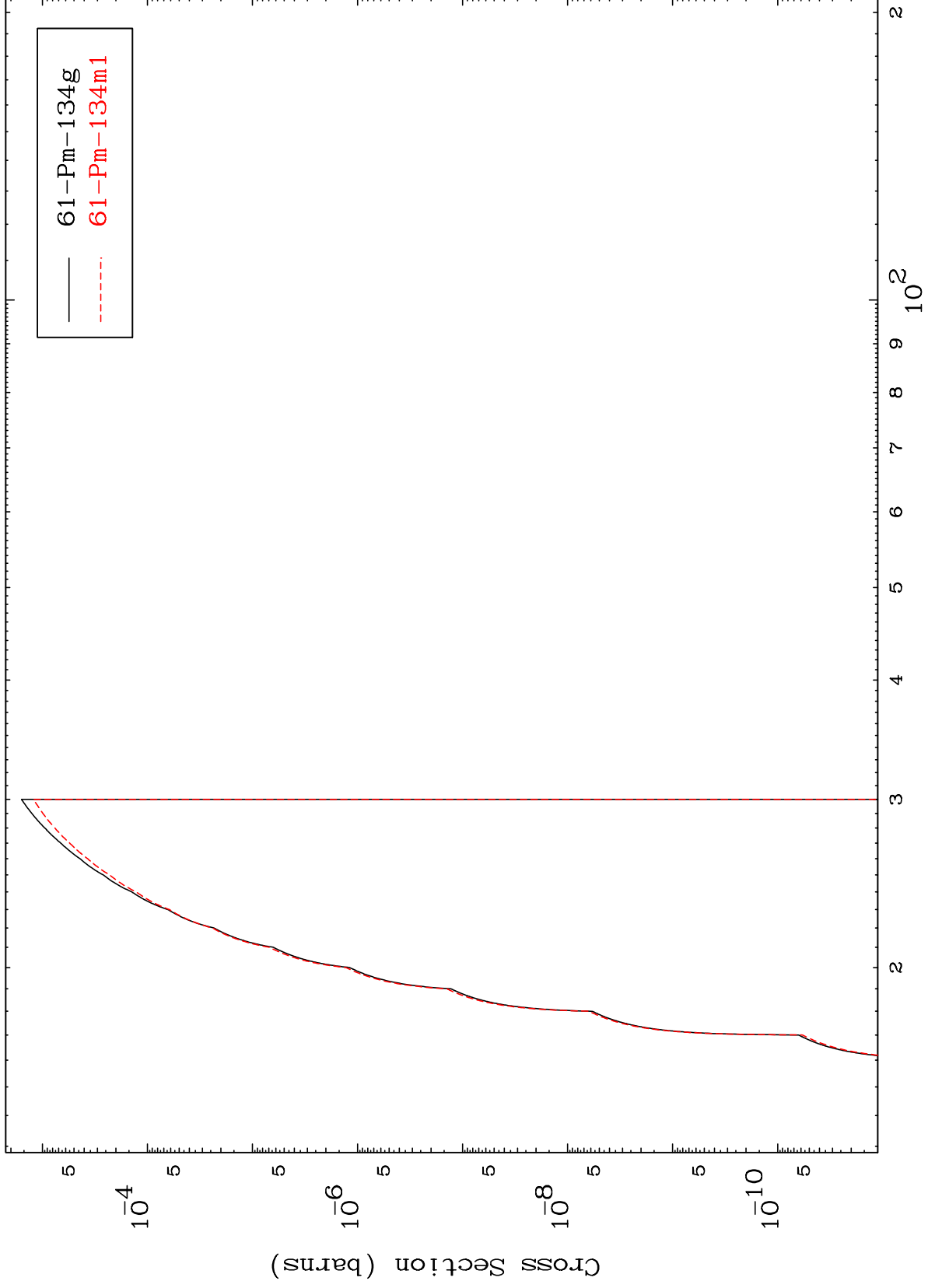
62-Sm-136

MAT 6201

(n,n') d

62-Sm-136

Radionuclide Production Cross Section



46

Incident Energy (MeV)

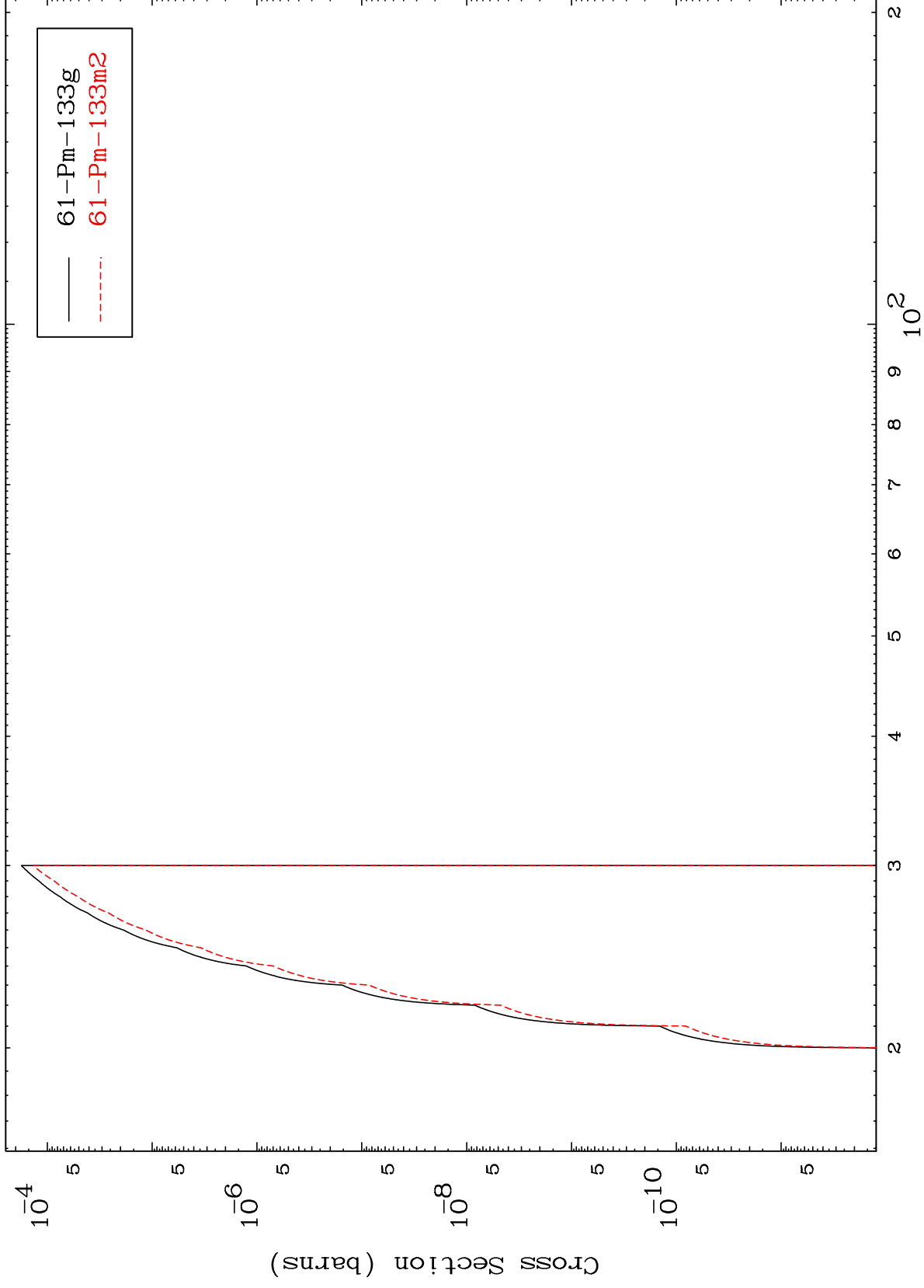
62-Sm-136

MAT 6201

(n,n') t

62-Sm-136

Radionuclide Production Cross Section



47

Incident Energy (MeV)

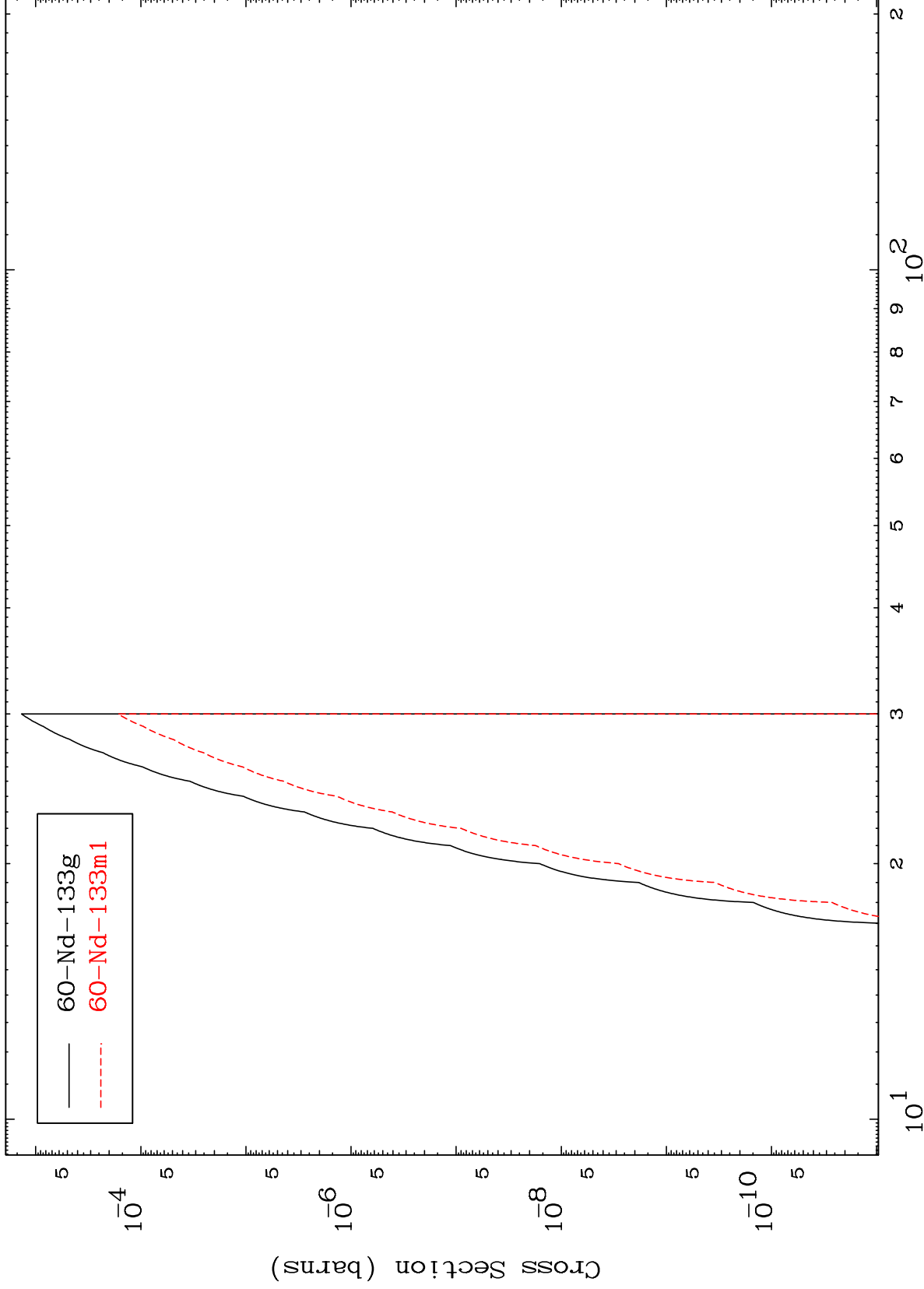
62-Sm-136

MAT 6201

(n,n') He-3

62-Sm-136

Radionuclide Production Cross Section



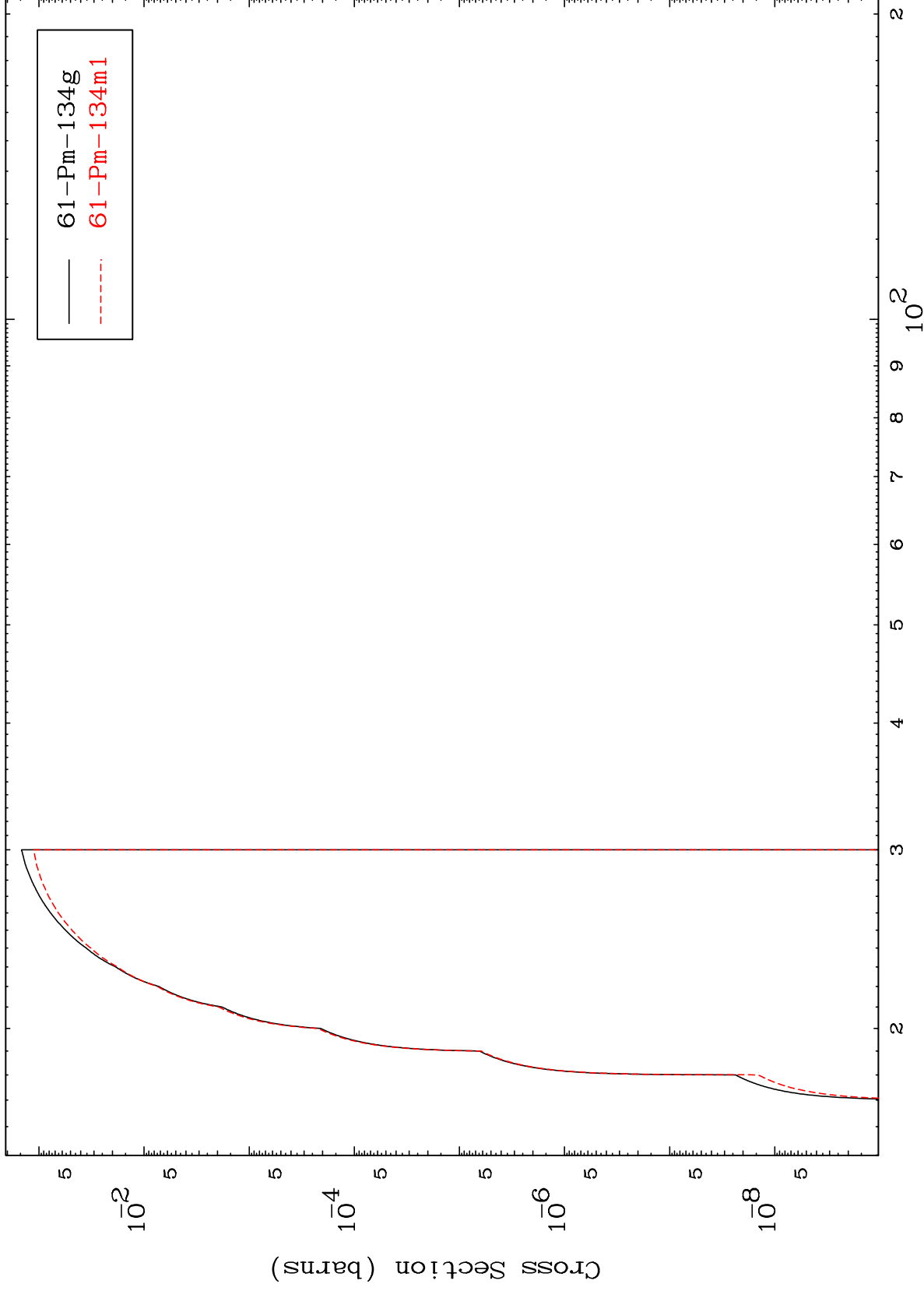
60-Nd-133g
60-Nd-133m1

48

Incident Energy (MeV)

62-Sm-136

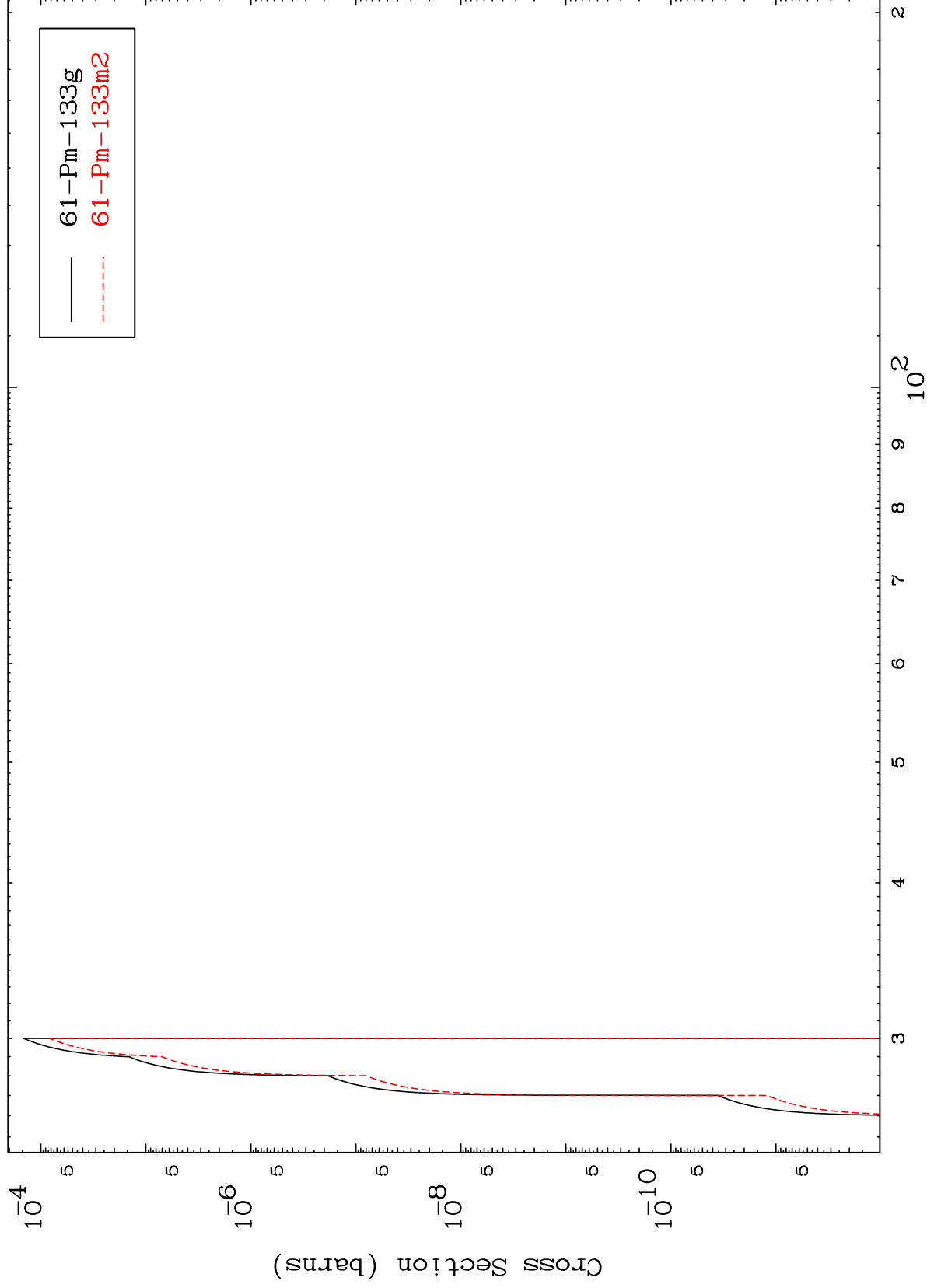
Radionuclide Production Cross Section



MAT 6201

62-Sm-136

(n,3n) p
Radionuclide Production Cross Section



62-Sm-136

Incident Energy (MeV)

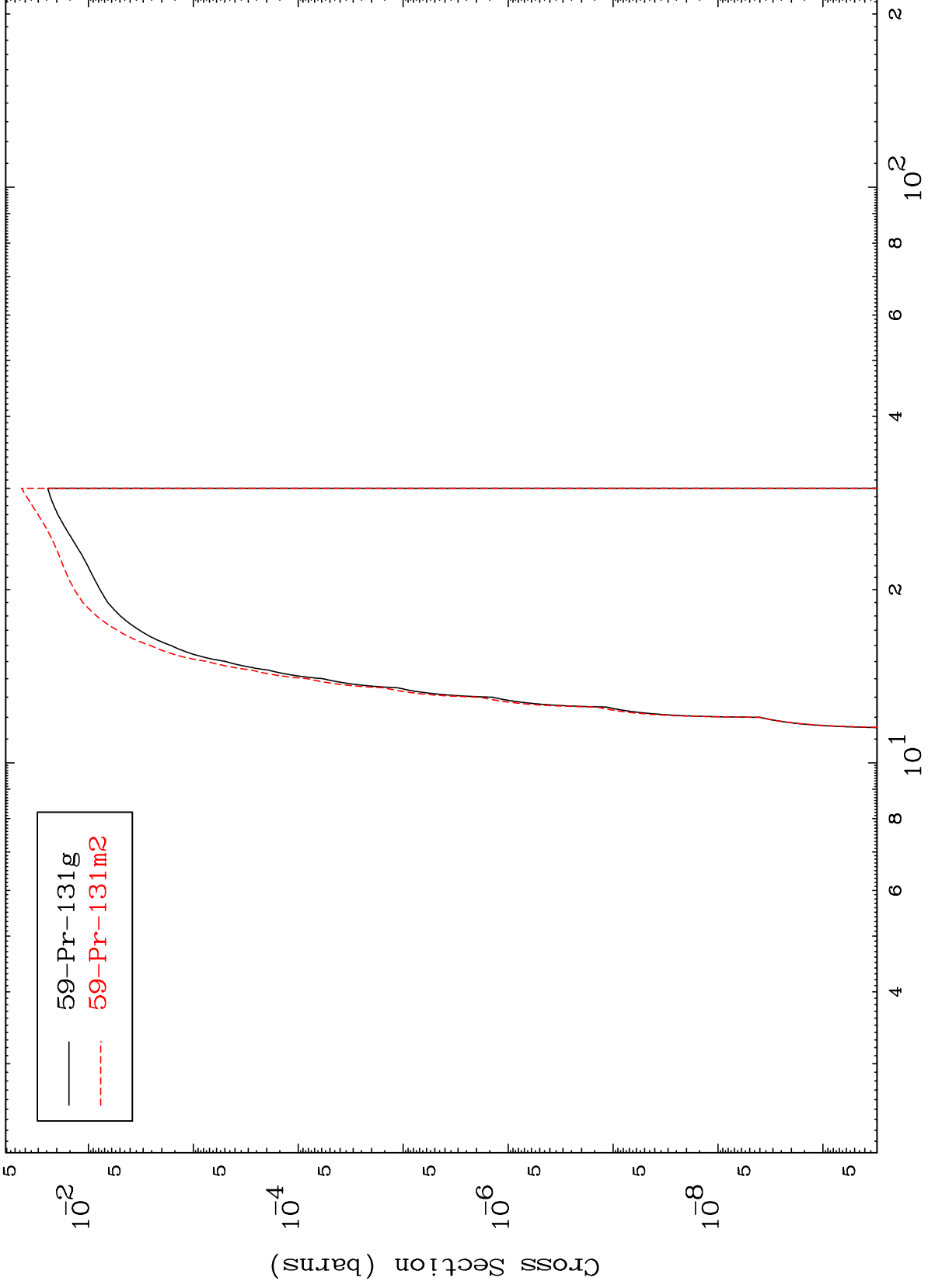
50

MAT 6201

(n,n') p α

62-Sm-136

Radionuclide Production Cross Section

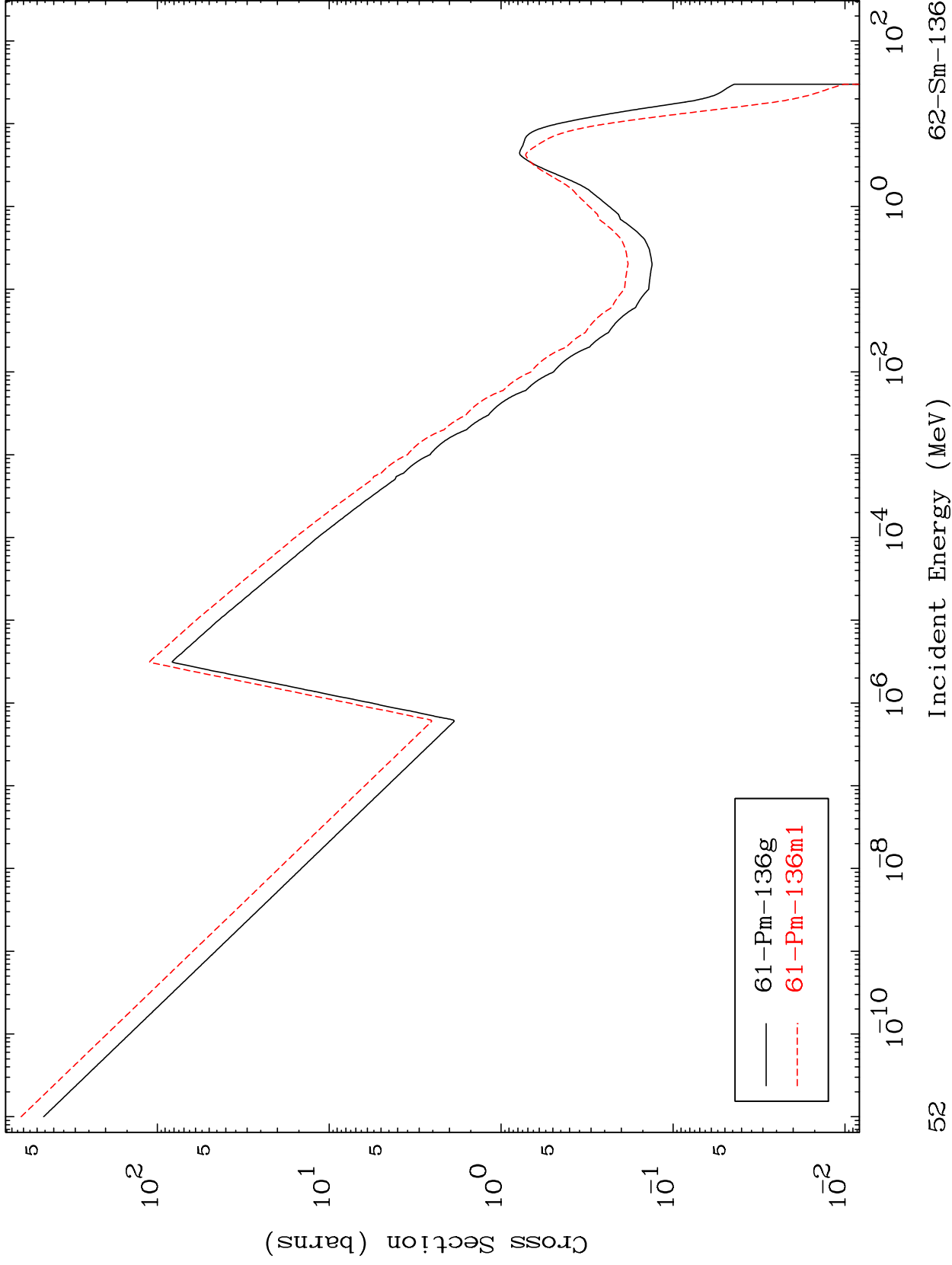


59-Pr-131g
59-Pr-131m2

MAT 6201

62-Sm-136

(n,p)
Radionuclide Production Cross Section

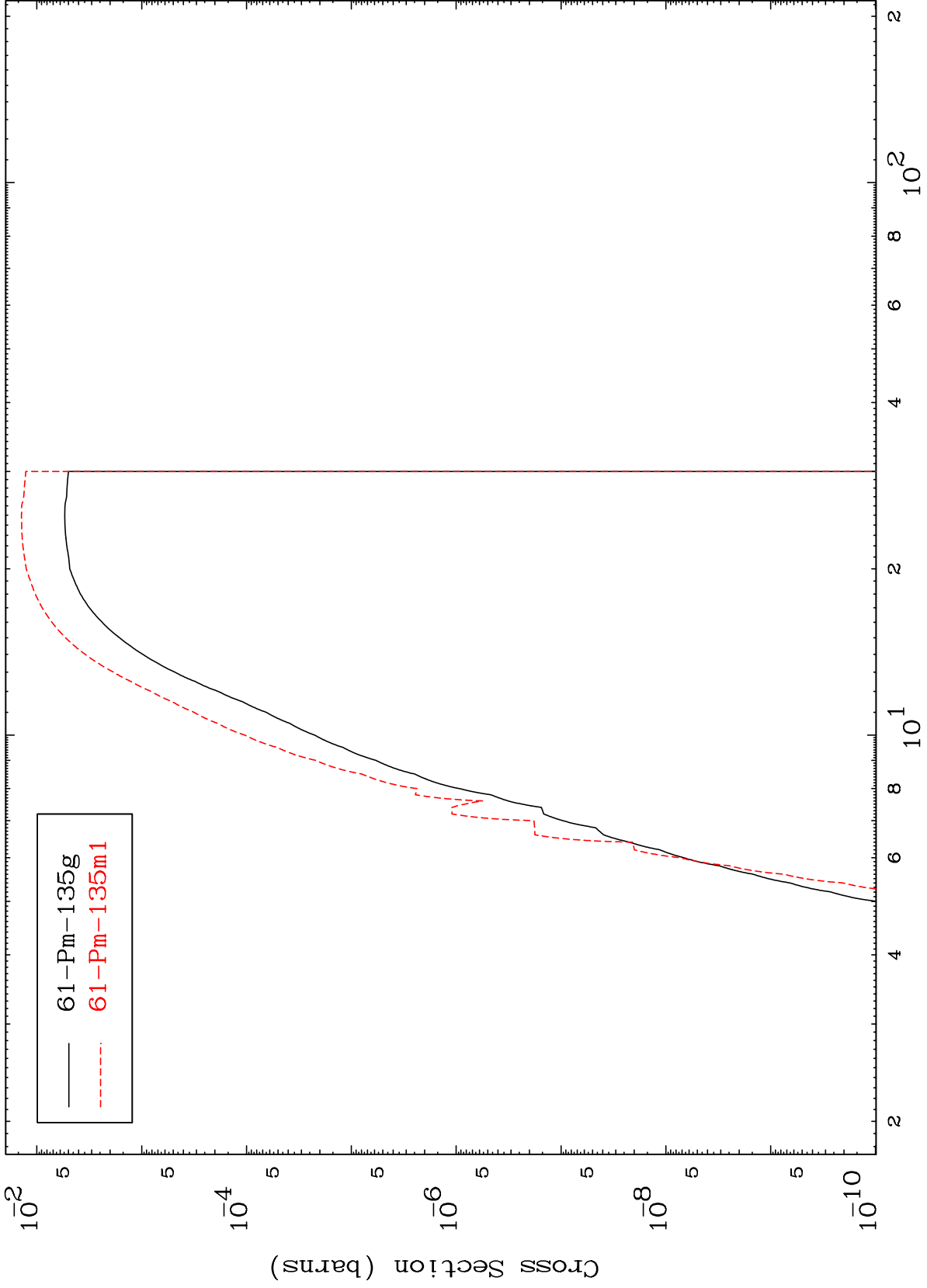


52

MAT 6201

62-Sm-136

(n,d)
Radionuclide Production Cross Section



62-Sm-136

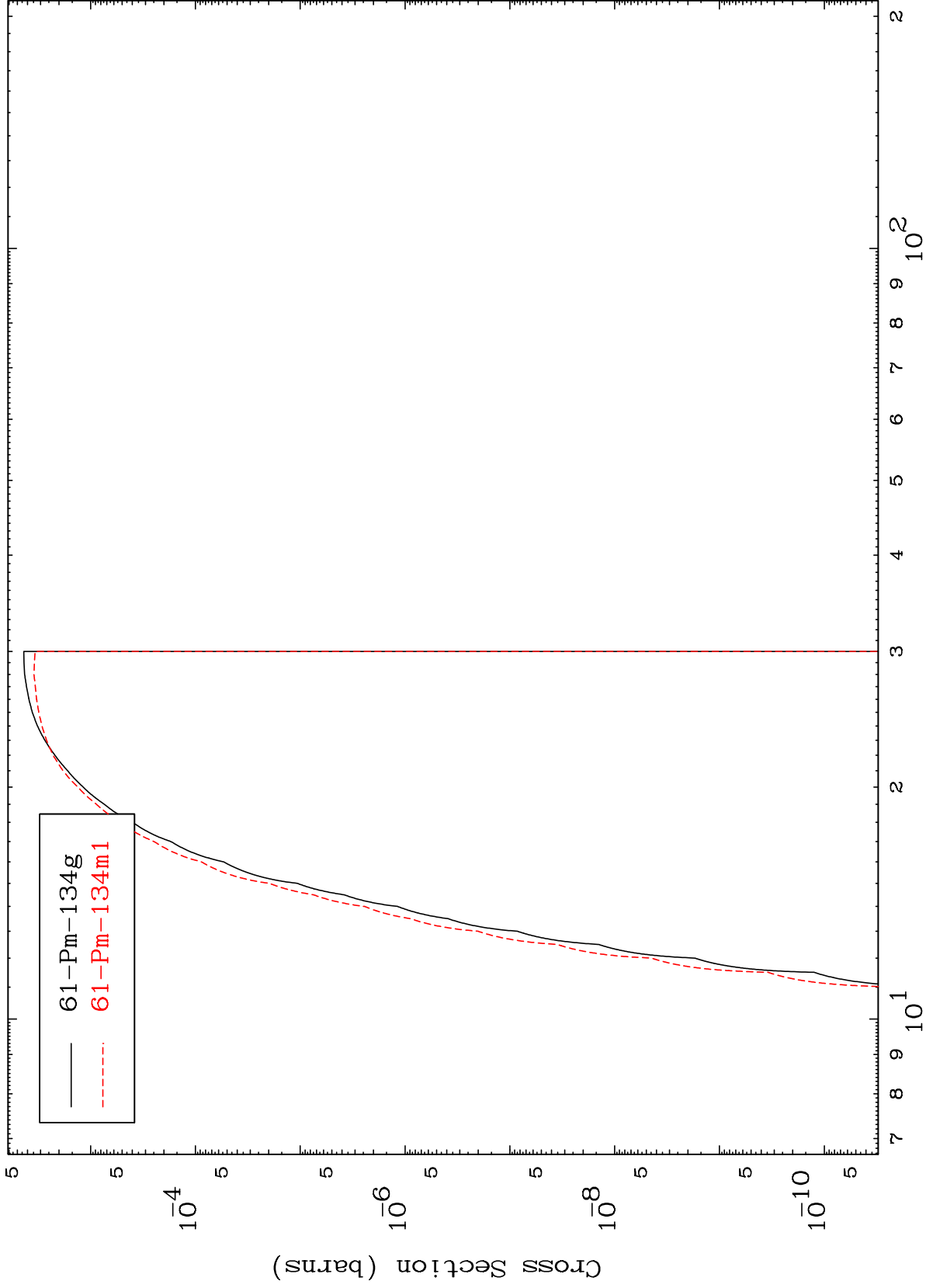
Incident Energy (MeV)

53

MAT 6201

62-Sm-136

(n, t)
Radionuclide Production Cross Section



62-Sm-136

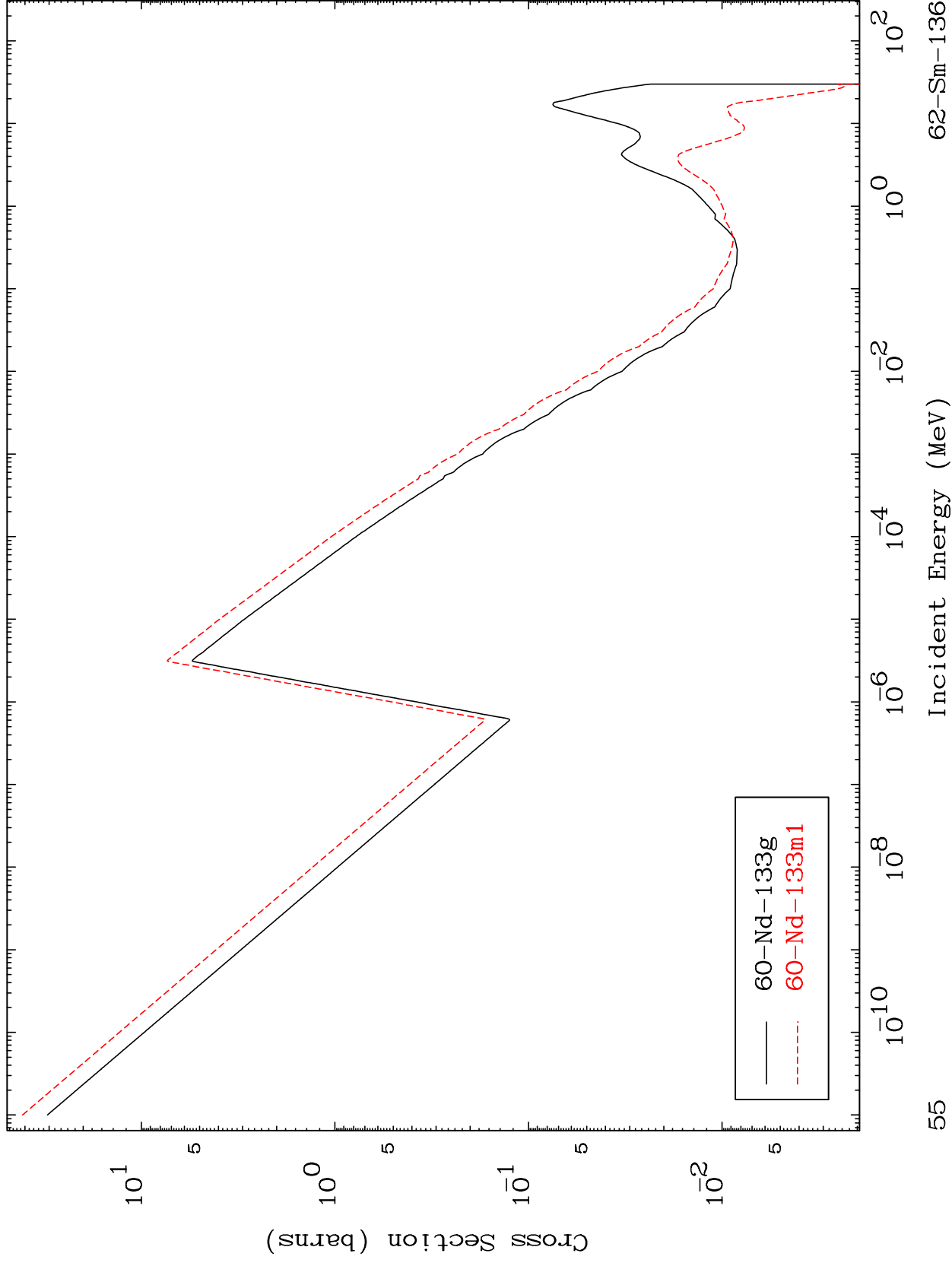
Incident Energy (MeV)

54

MAT 6201

62-Sm-136

(n, α)
Radionuclide Production Cross Section

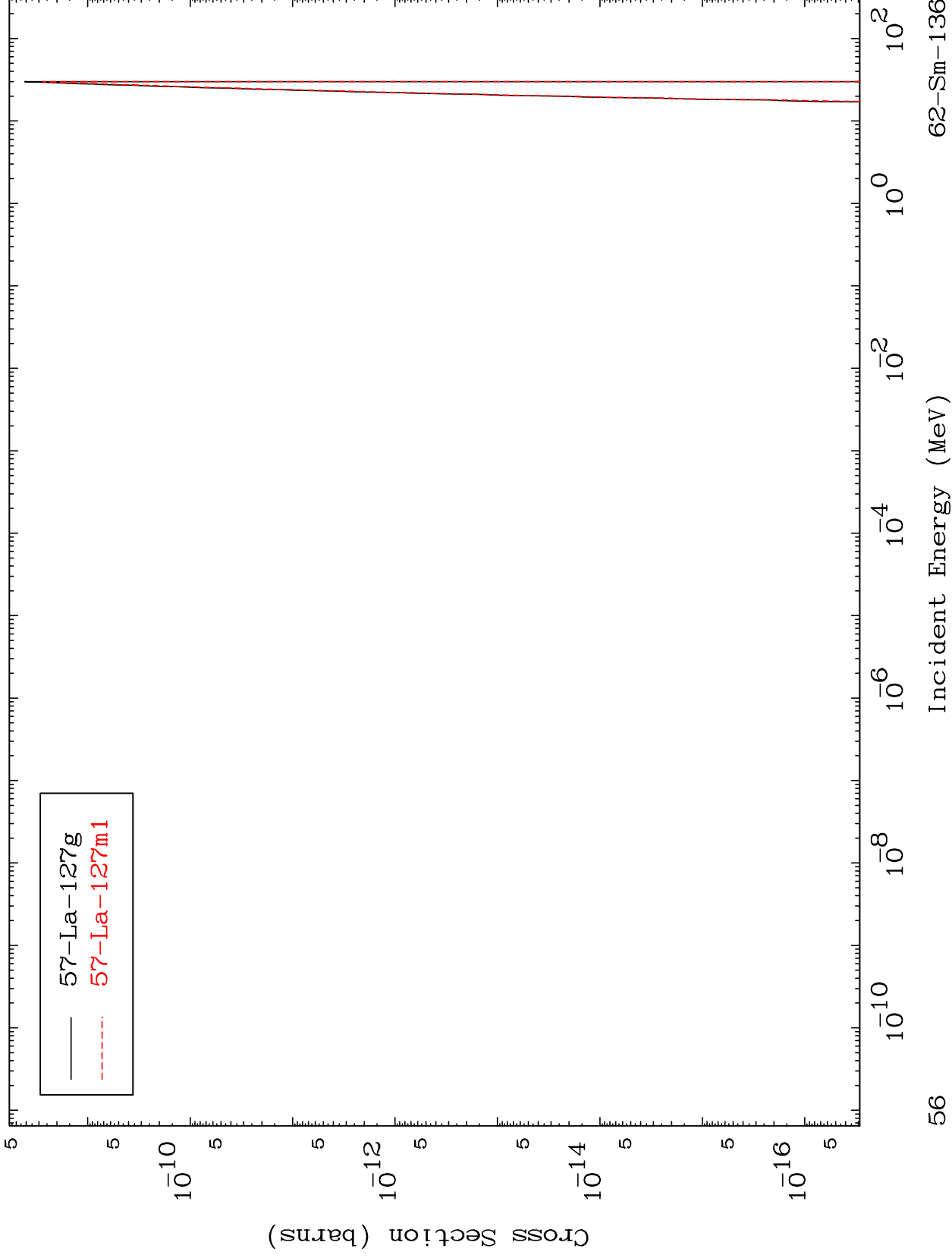


MAT 6201

(n,d) 2 α

62-Sm-136

Radionuclide Production Cross Section



56

Incident Energy (MeV)

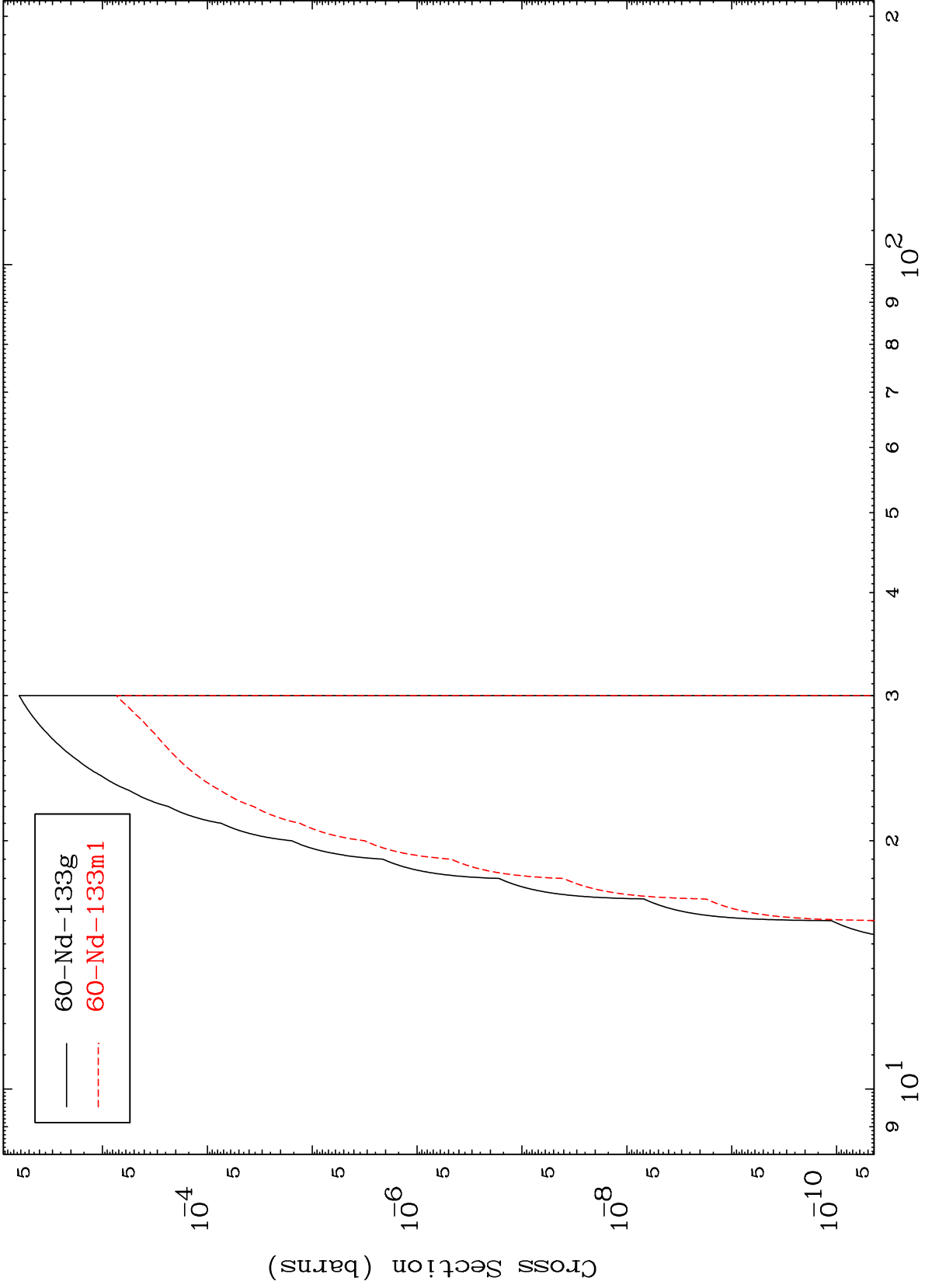
62-Sm-136

MAT 6201

(n,p) t

62-Sm-136

Radionuclide Production Cross Section



57

Incident Energy (MeV)

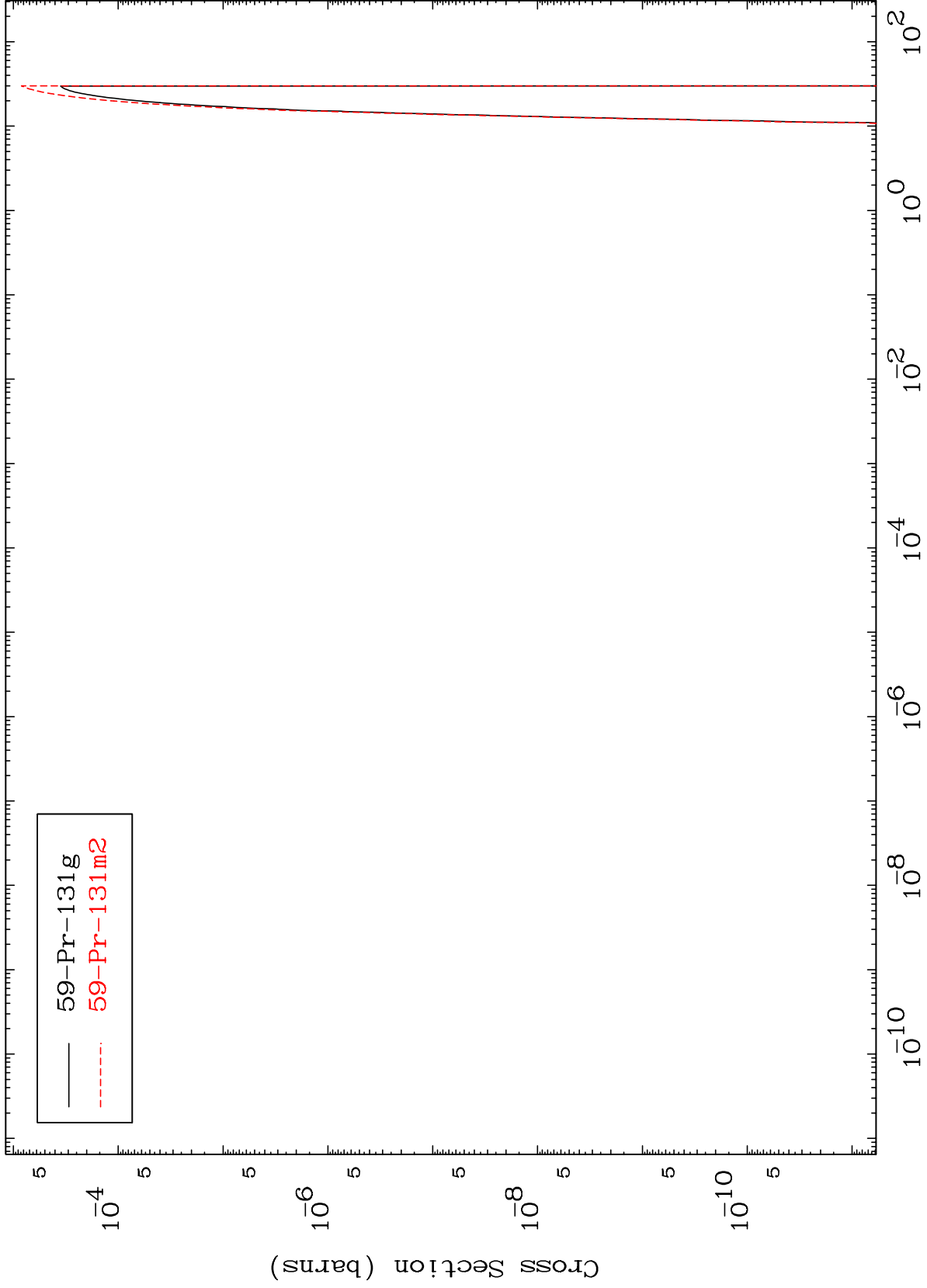
62-Sm-136

MAT 6201

(n,d) α

62-Sm-136

Radionuclide Production Cross Section



58

Incident Energy (MeV)

62-Sm-136