

Program EVALPLOT
(Version 2018-1)

by

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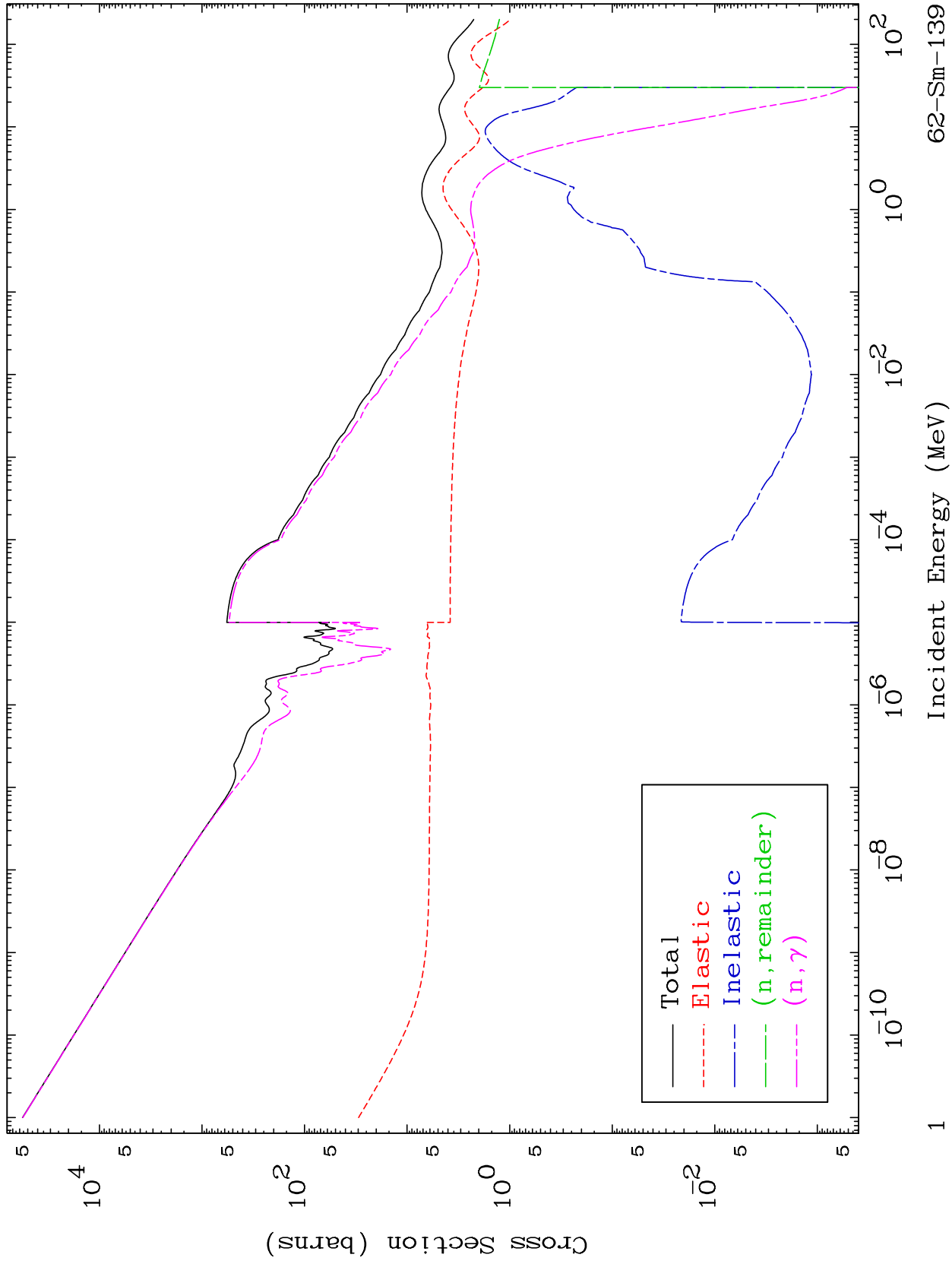
Press Mouse Button to Start

MAT 6211

Major

293 Kelvin Cross Sections

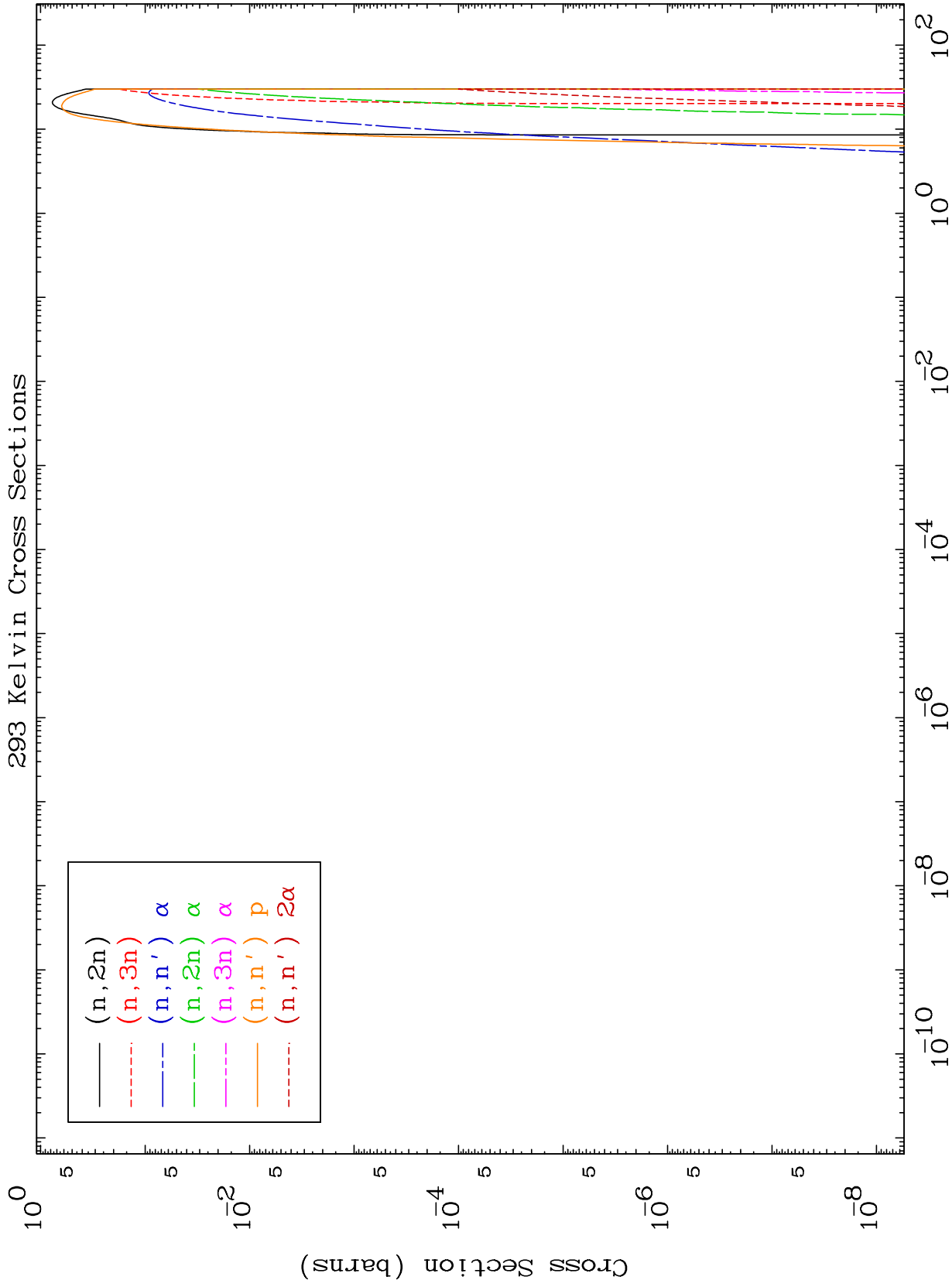
62-Sm-139



MAT 6211

Neutron Production
293 Kelvin Cross Sections

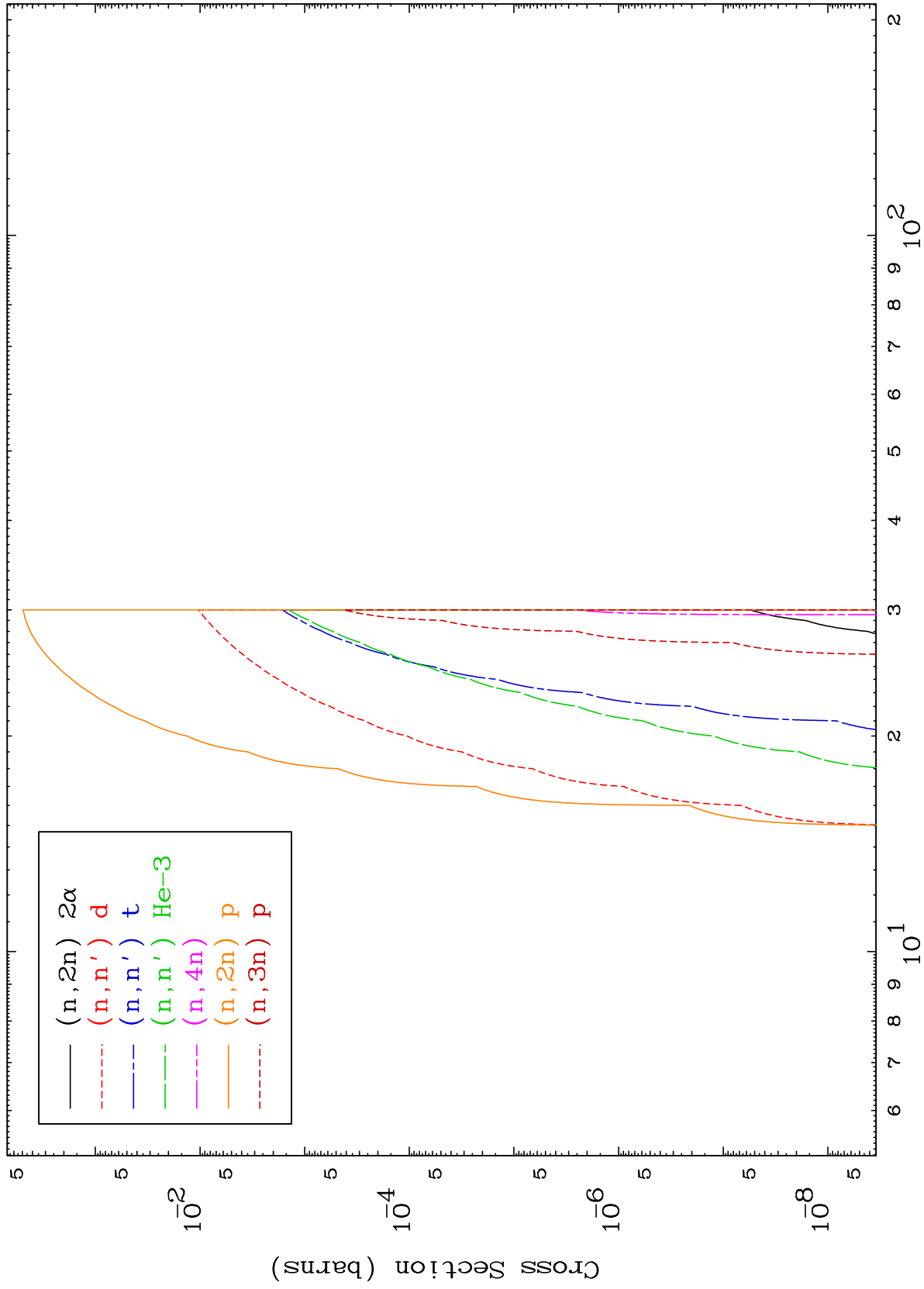
62-Sm-139



2

Incident Energy (MeV)

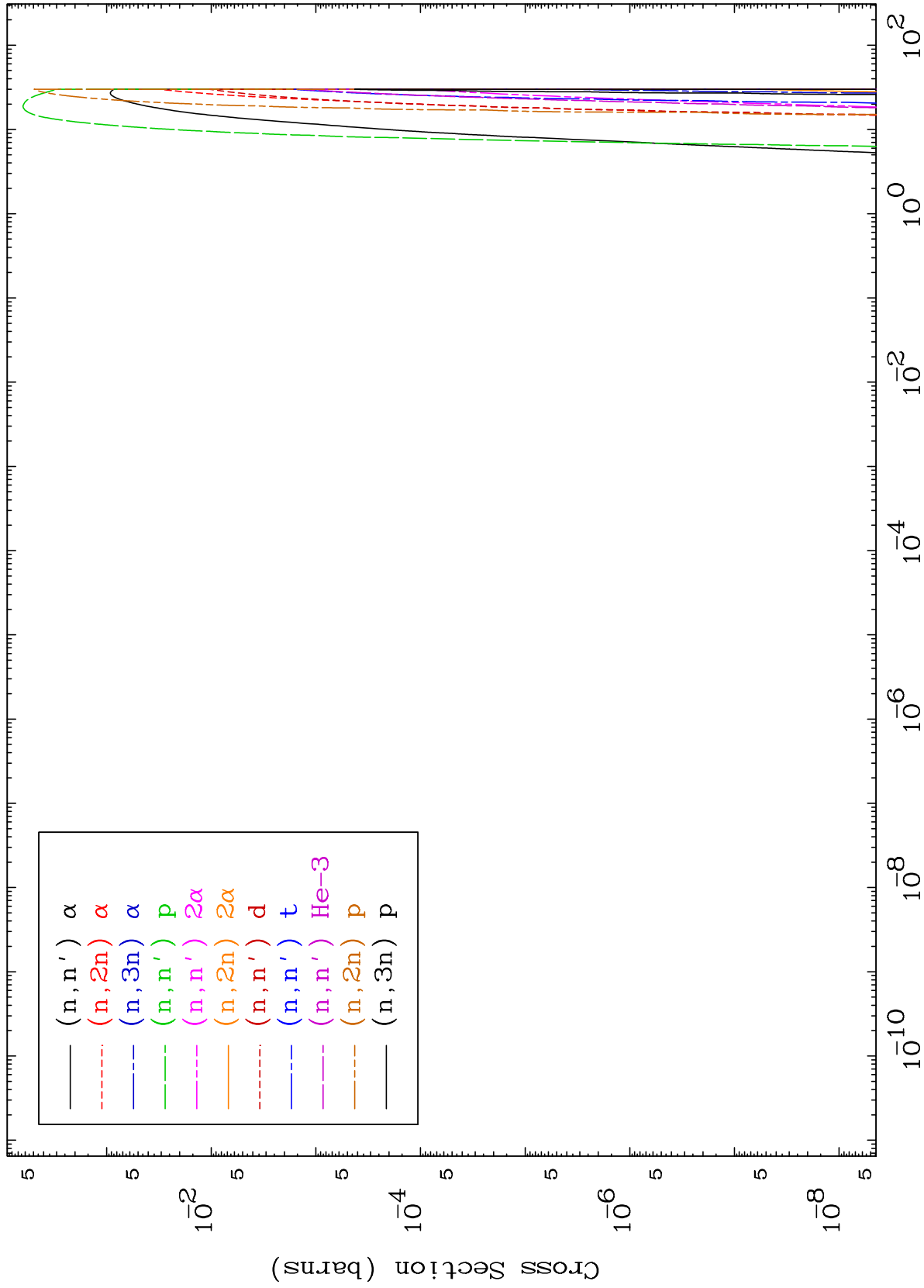
62-Sm-139



MAT 6211

293 Charged Particle
Kelvin Cross Sections

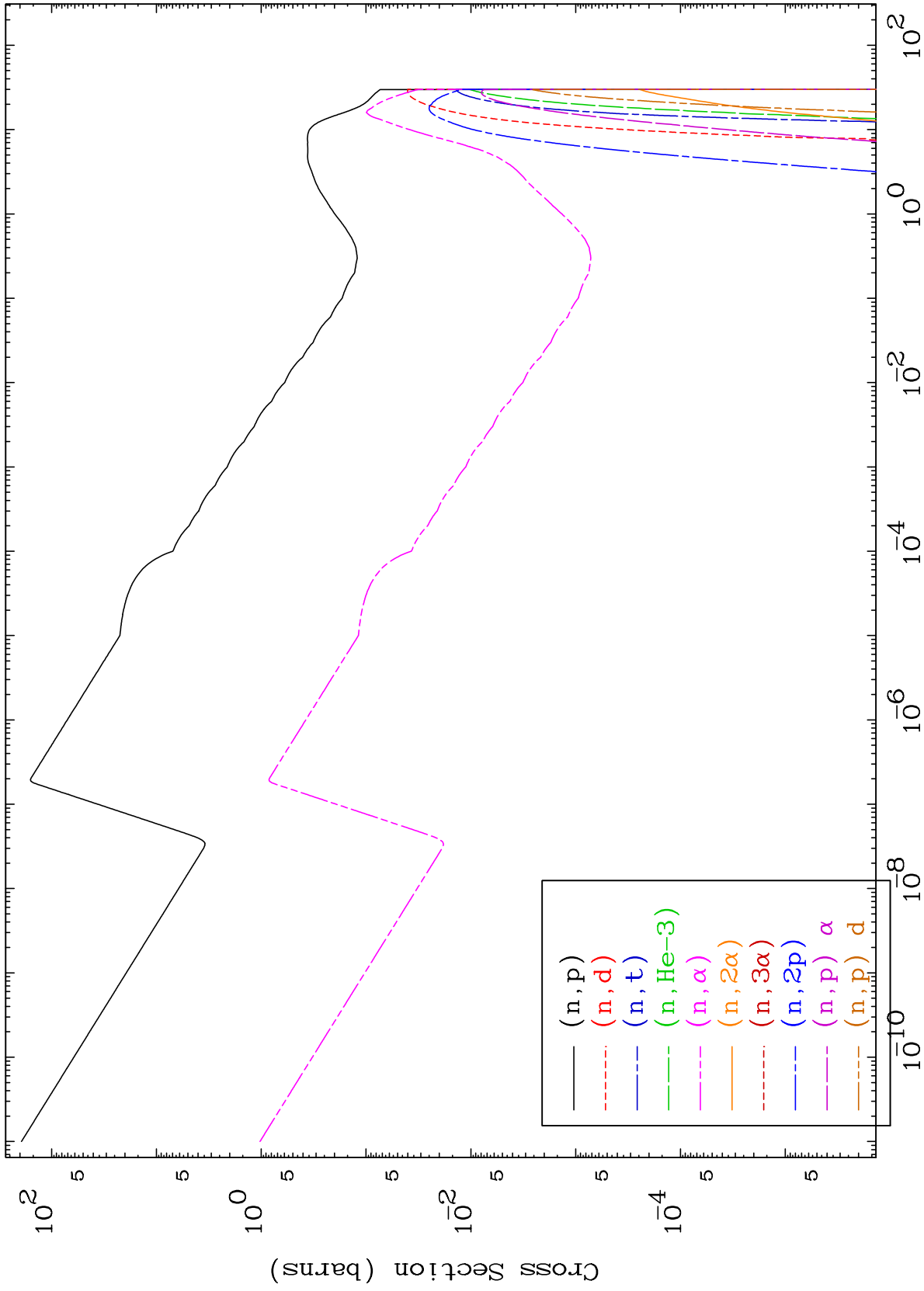
62-Sm-139



MAT 6211

293 Kelvin Cross Sections

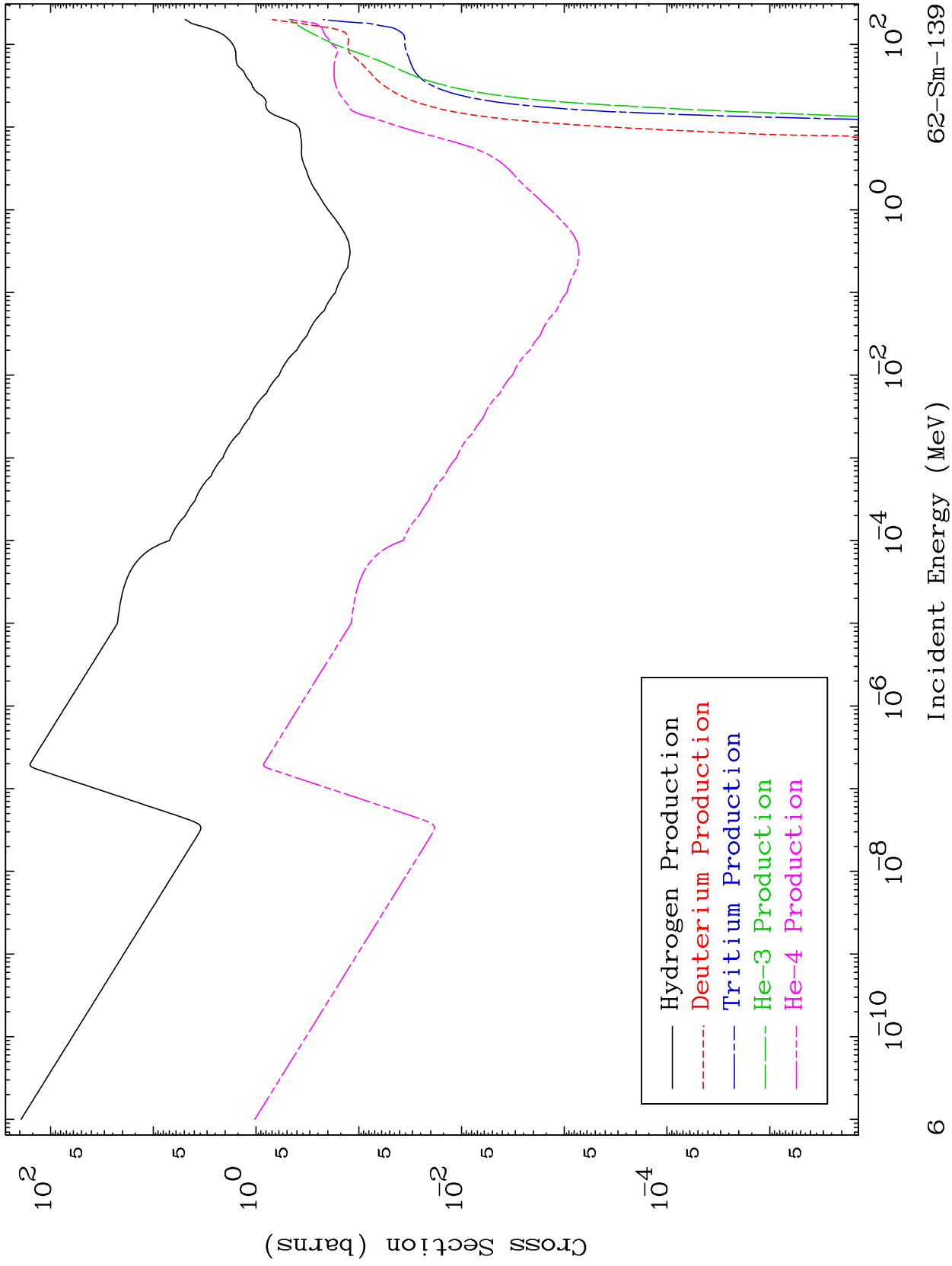
62-Sm-139



MAT 6211

Particle Production
293 Kelvin Cross Sections

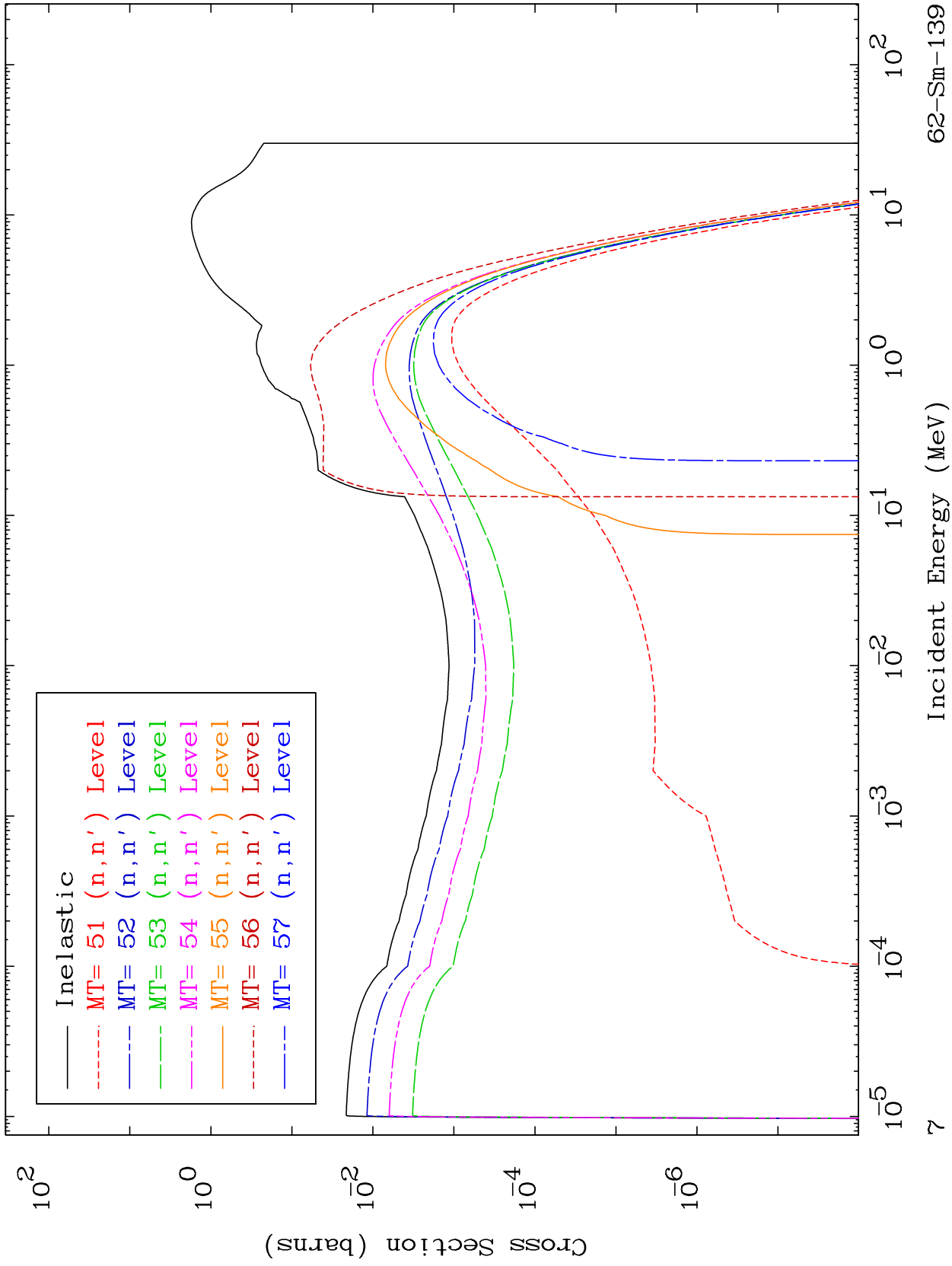
62-Sm-139



MAT 6211

(n,n') Level
293 Kelvin Cross Sections

62-Sm-139



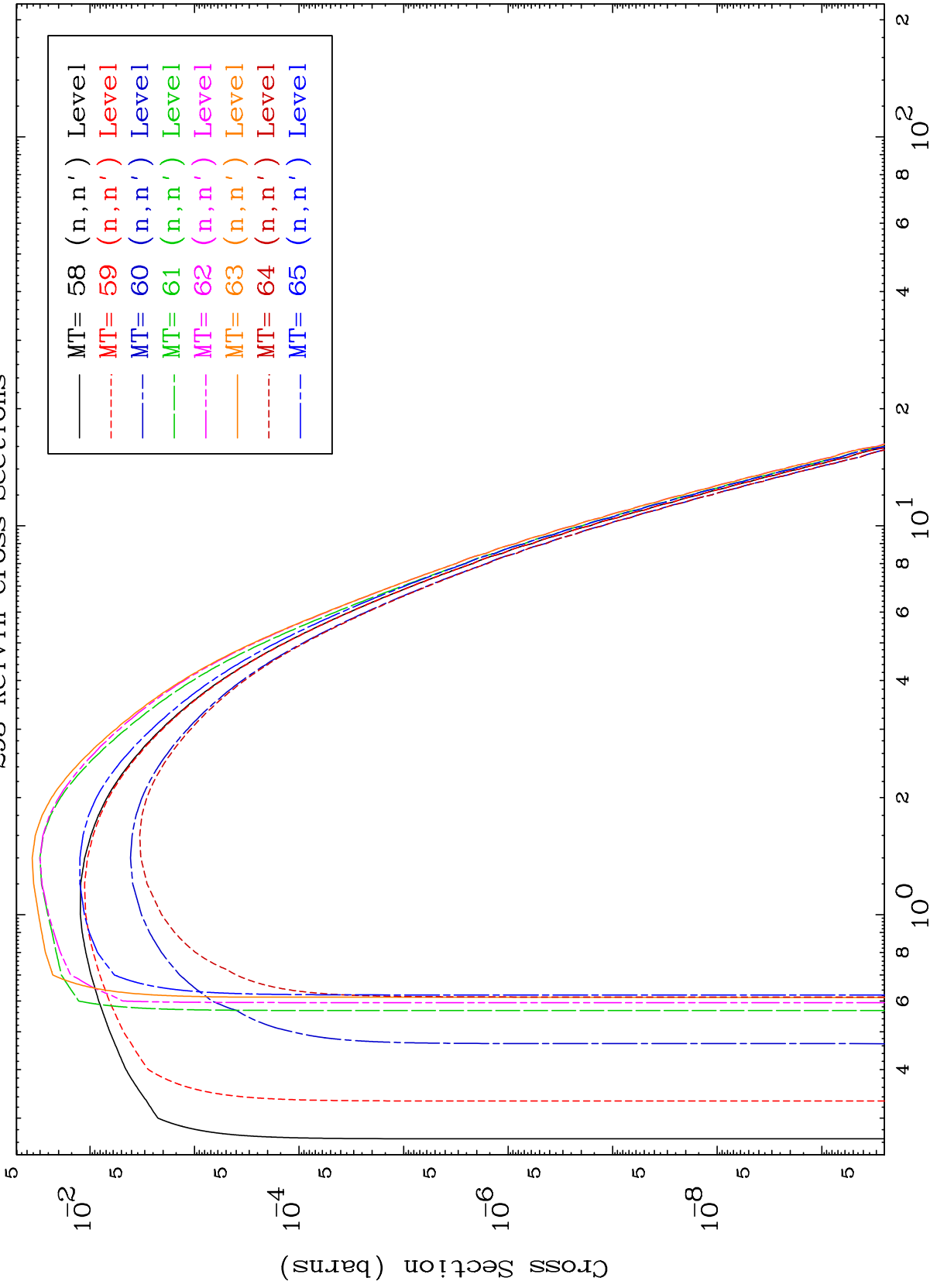
62-Sm-139

MAT 6211

(n,n') Level

62-Sm-139

293 Kelvin Cross Sections



8

Incident Energy (MeV)

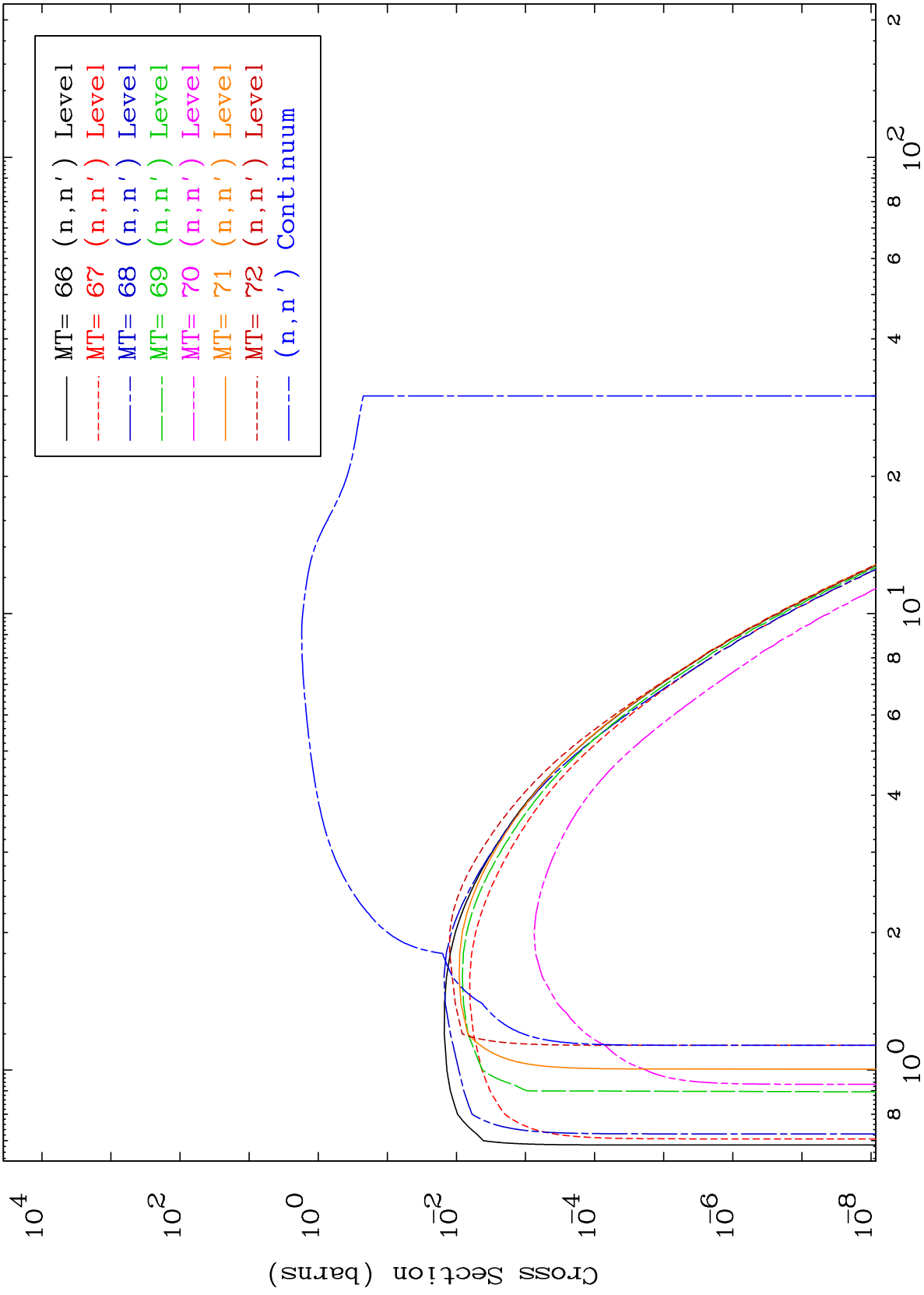
62-Sm-139

MAT 6211

(n,n') Level

62-Sm-139

293 Kelvin Cross Sections



9

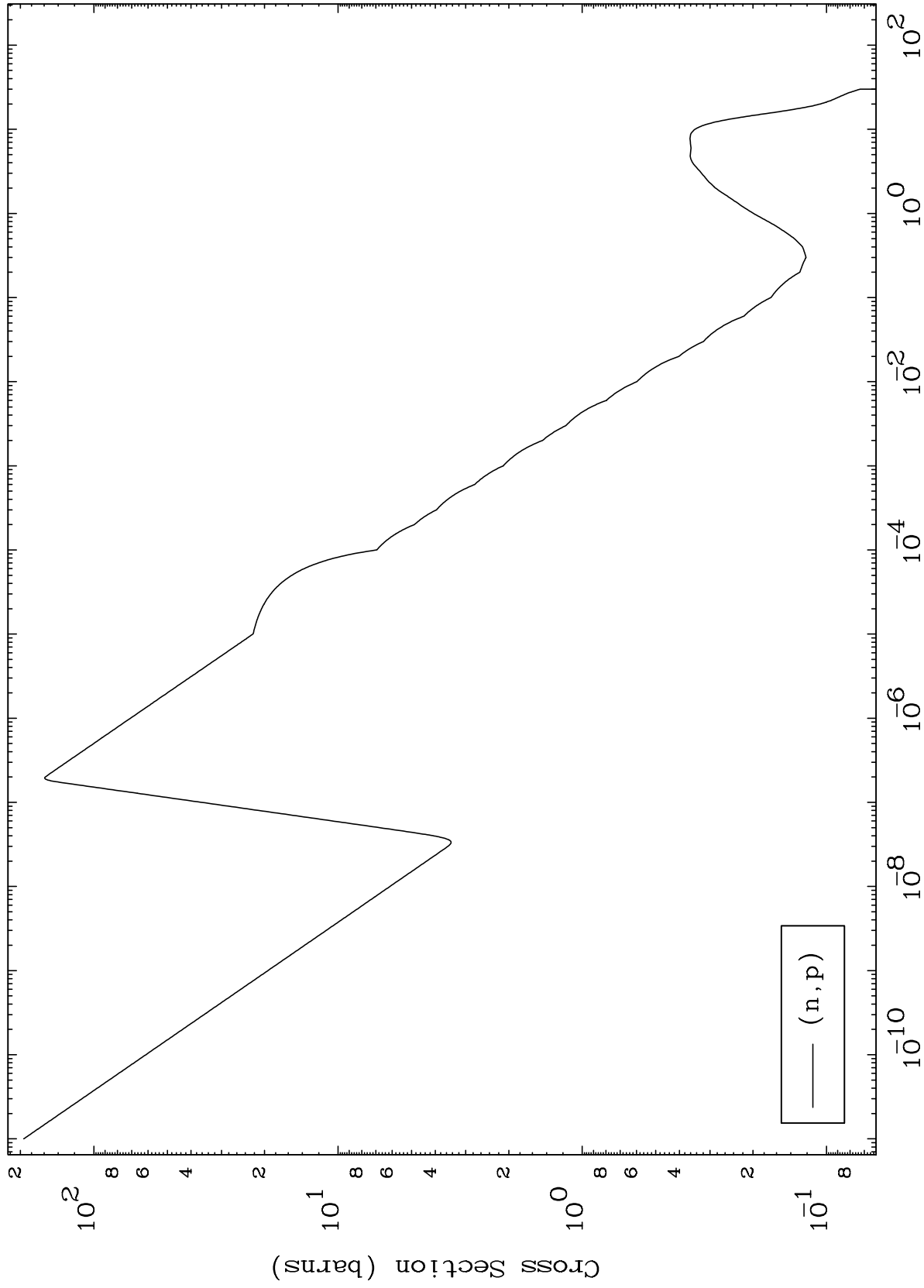
Incident Energy (MeV)

62-Sm-139

MAT 6211

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-139



10

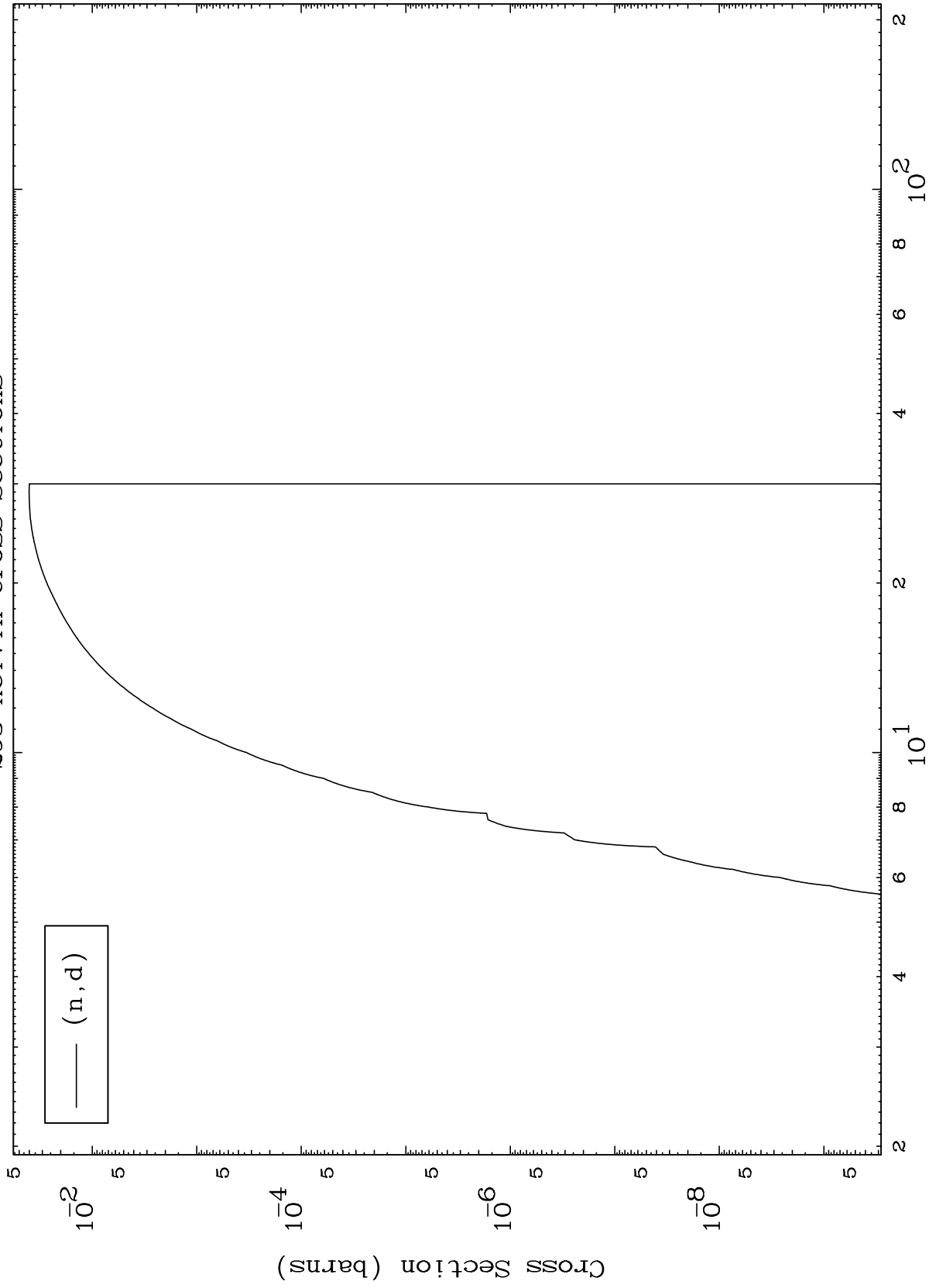
Incident Energy (MeV)

62-Sm-139

MAT 6211

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-139



11

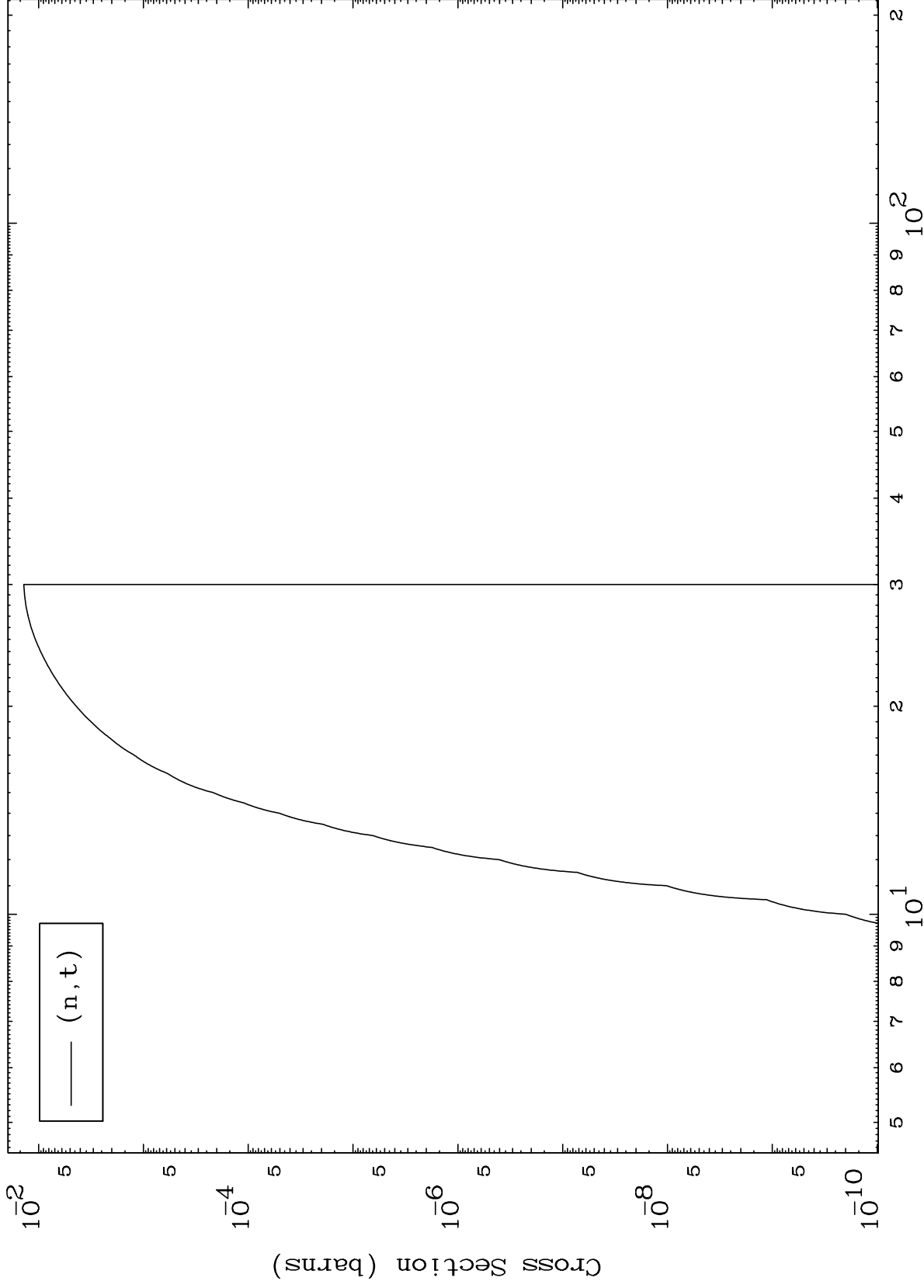
Incident Energy (MeV)

62-Sm-139

MAT 6211

62-Sm-139

(n,t) Levels
293 Kelvin Cross Sections



12

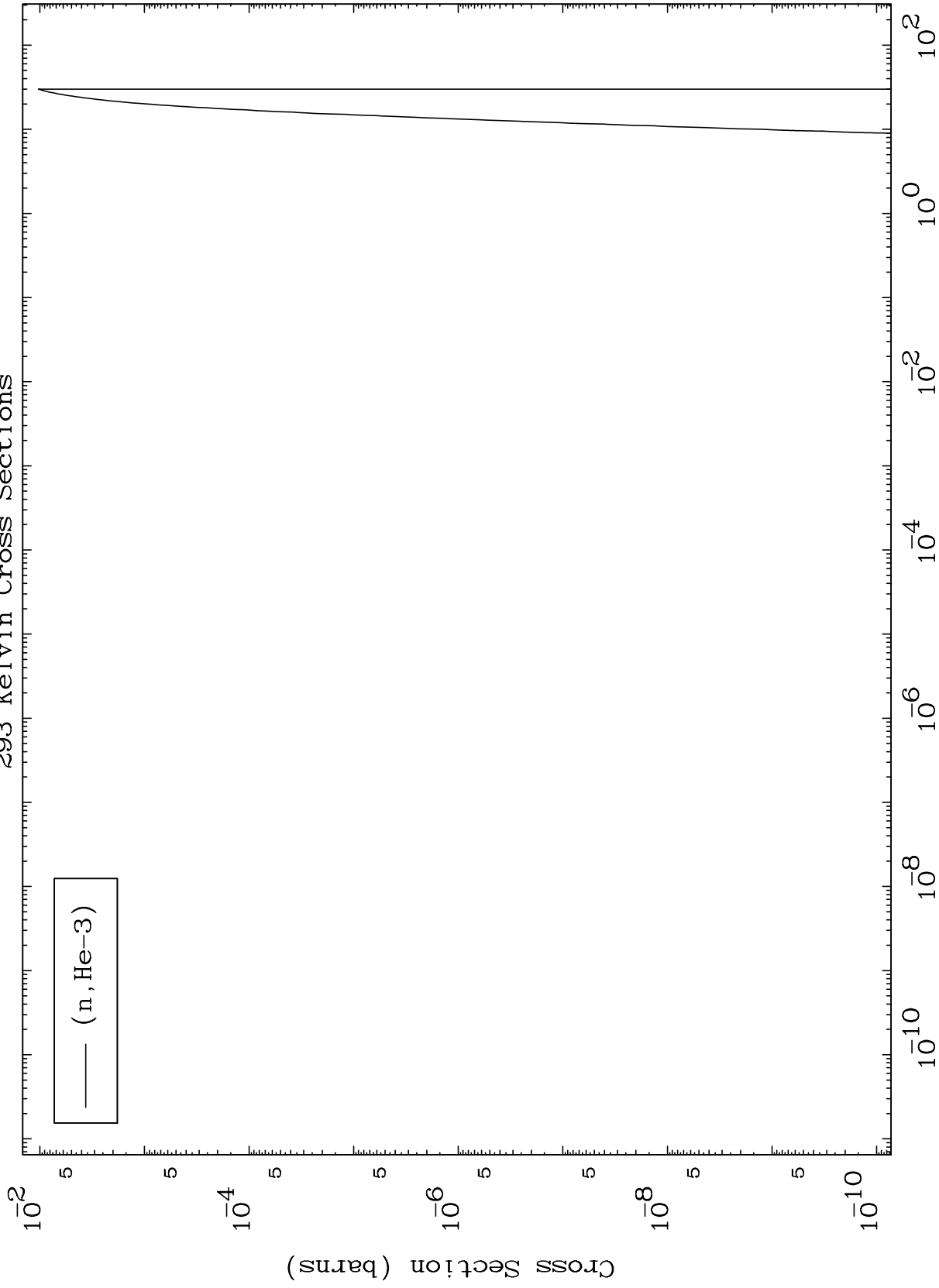
Incident Energy (MeV)

62-Sm-139

MAT 6211

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-139



13

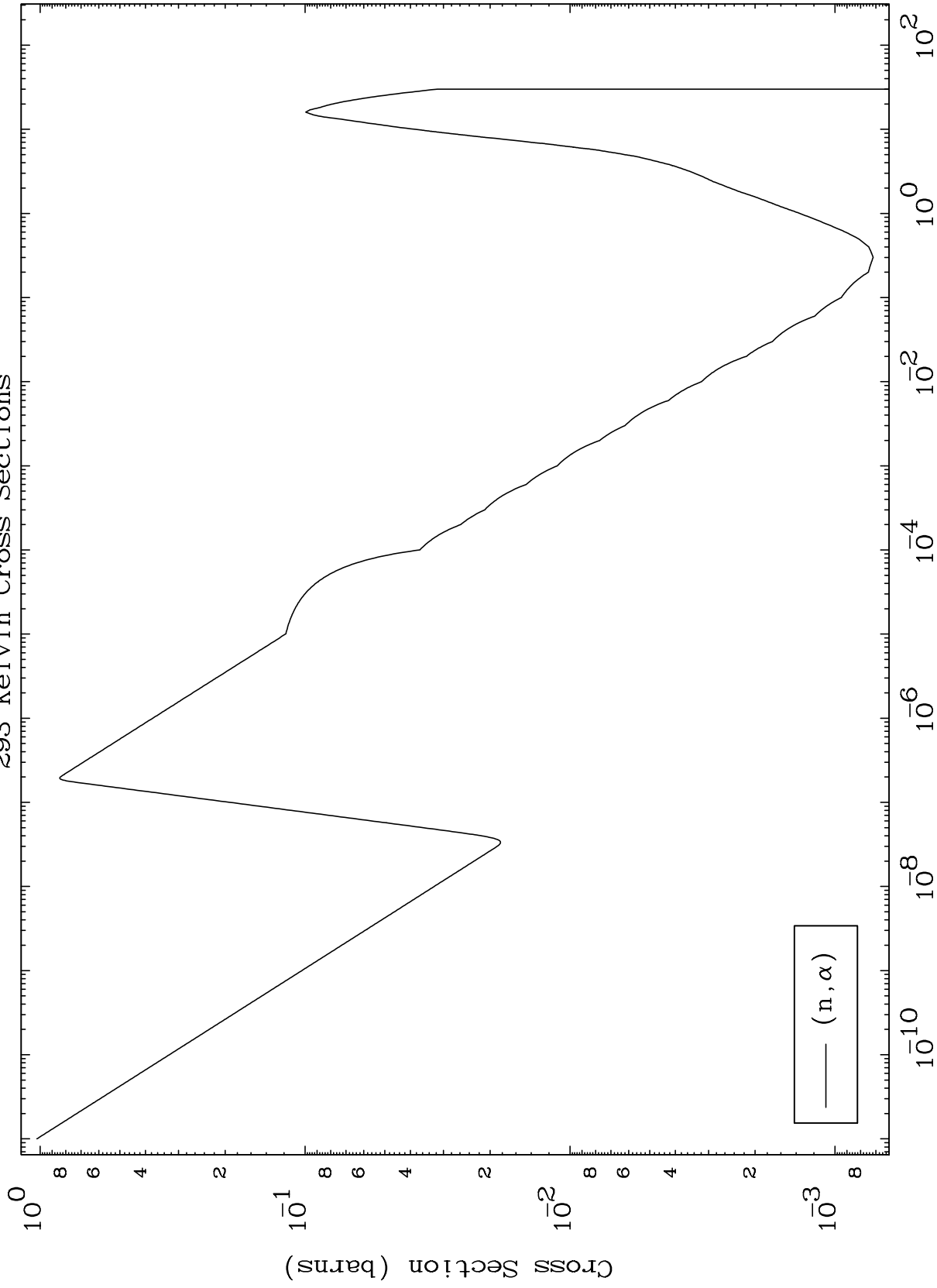
Incident Energy (MeV)

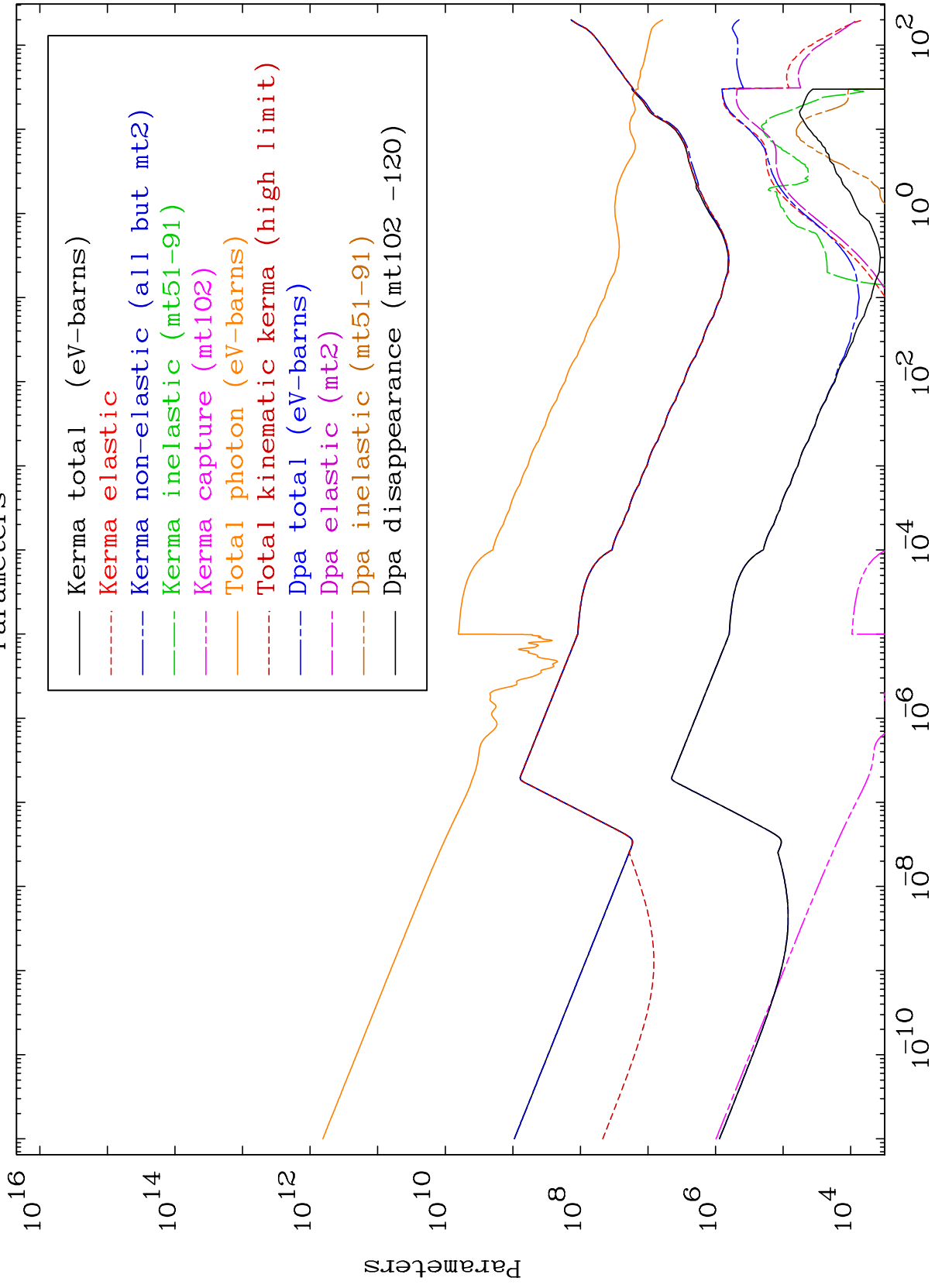
62-Sm-139

MAT 6211

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-139

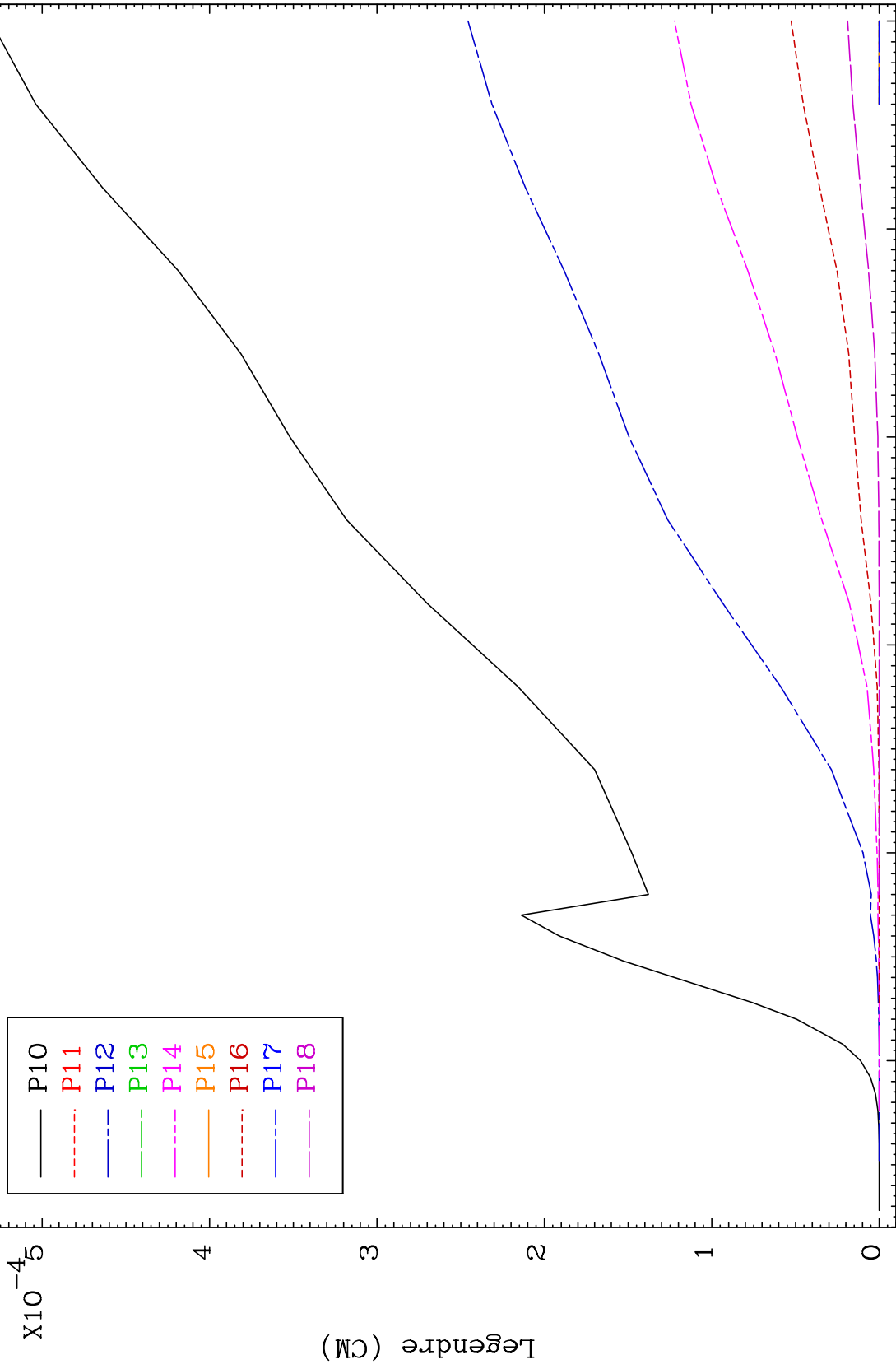
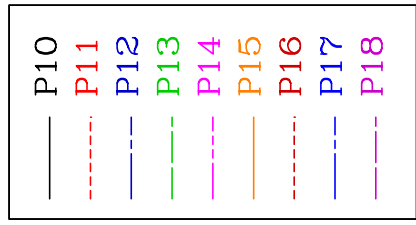




MAT 6211

Elastic Legendre Coefficients

62-Sm-139



17

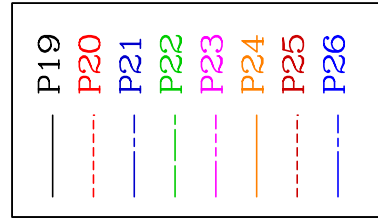
Incident Energy (MeV)

62-Sm-139

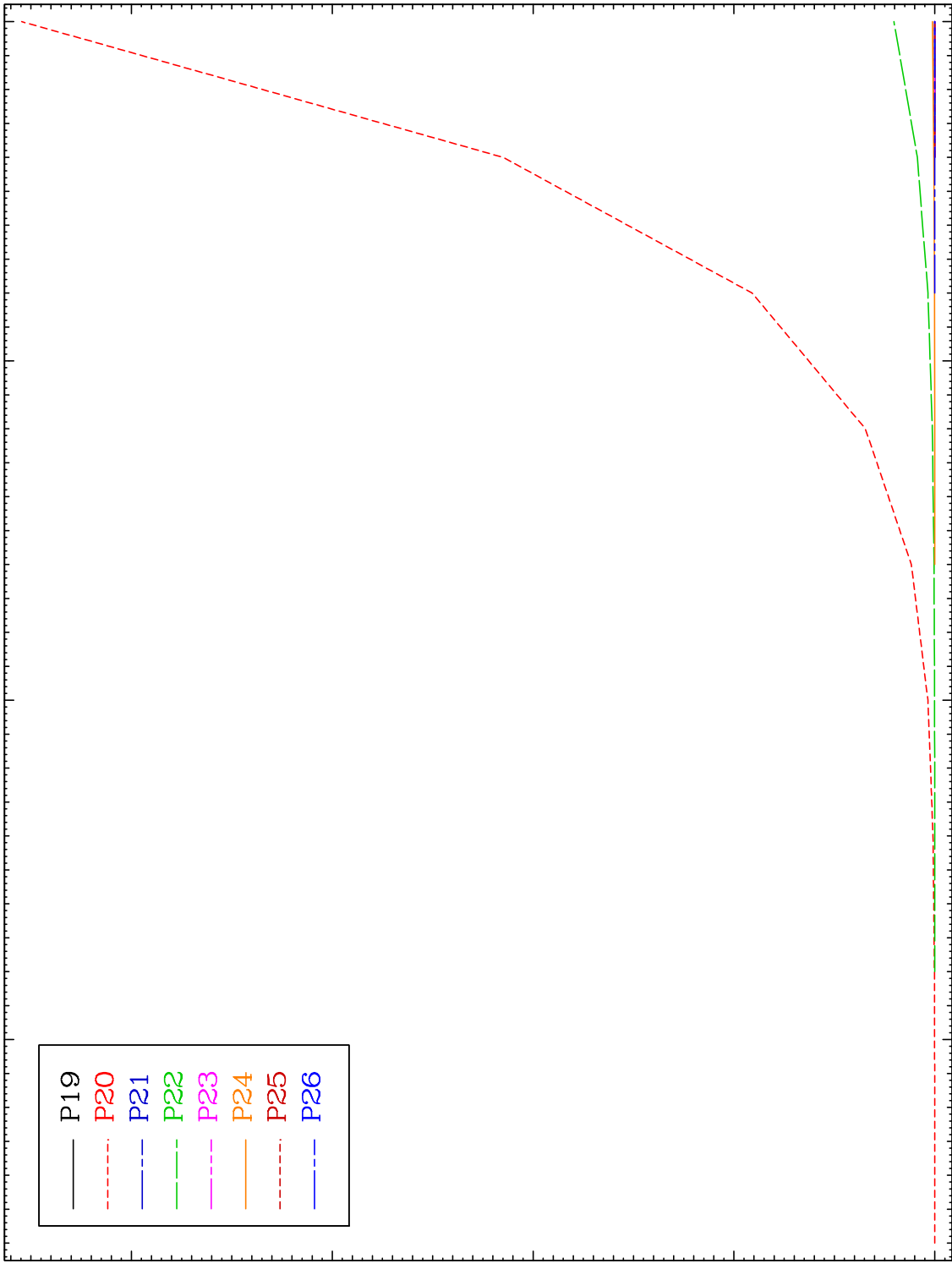
MAT 6211

Elastic
Legendre Coefficients

62-Sm-139



Legendre (CM)
 $\times 10^{-6}$



18

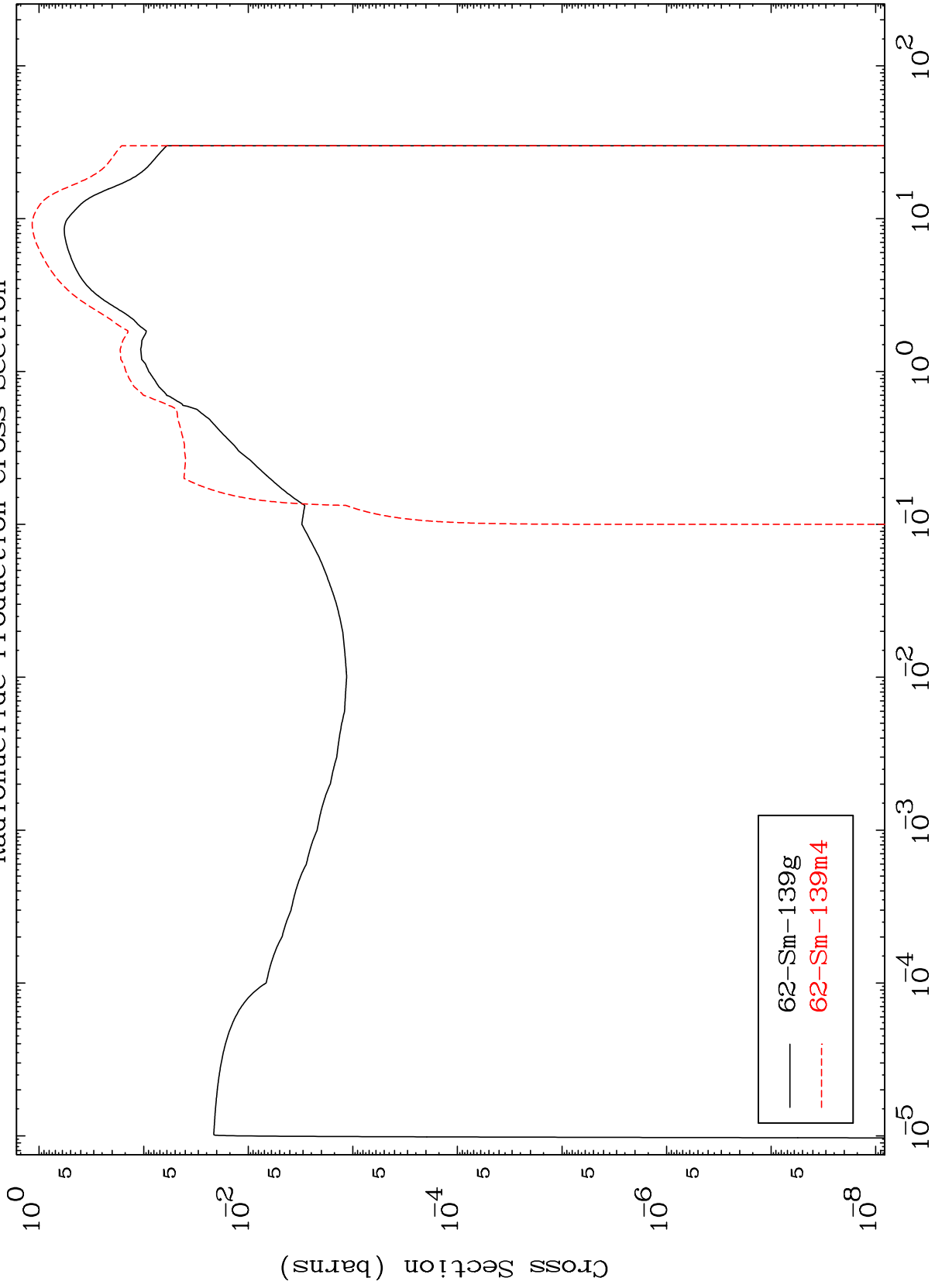
Incident Energy (MeV)

62-Sm-139

MAT 6211

Inelastic
Radionuclide Production Cross Section

62-Sm-139



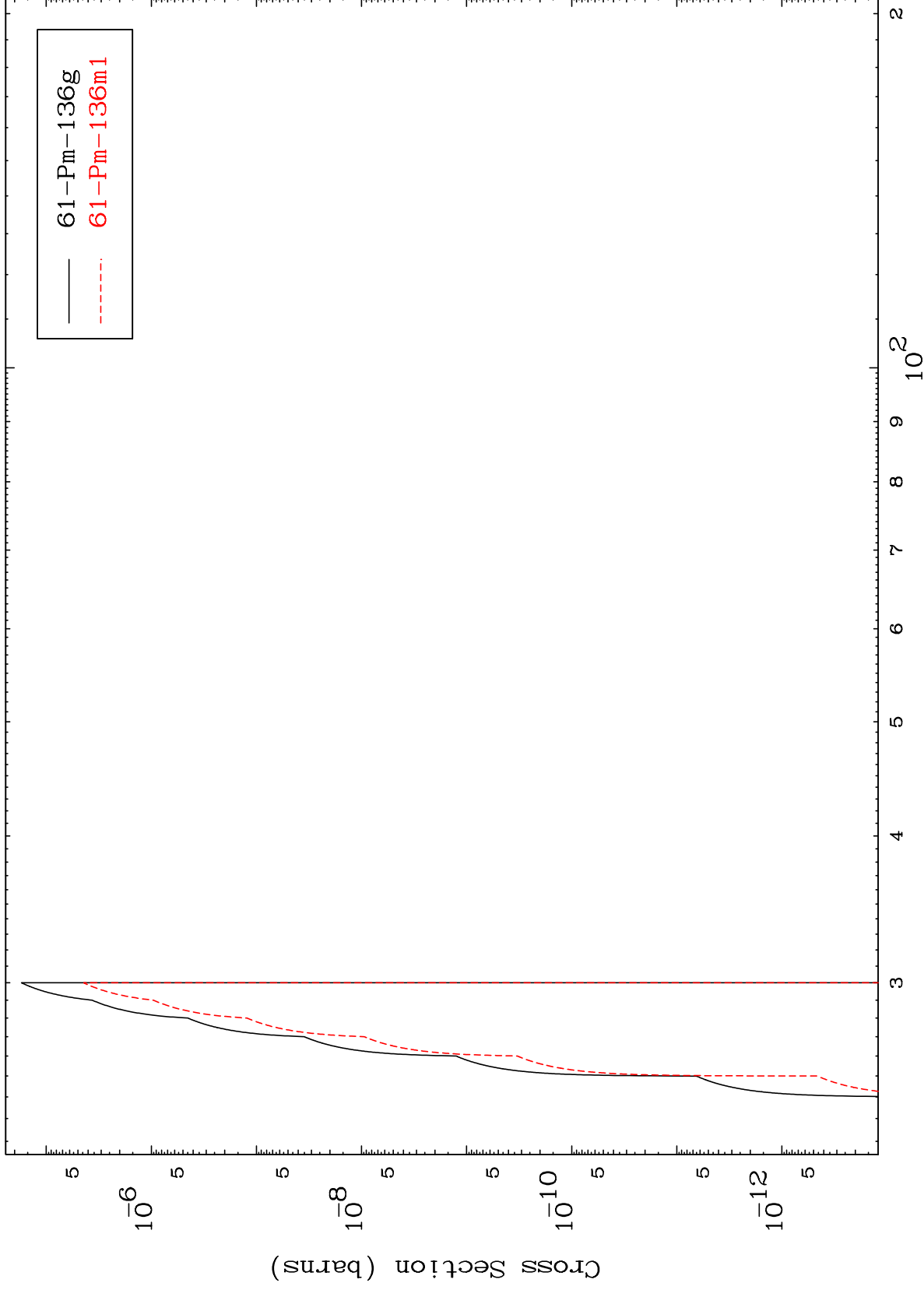
— 62-Sm-139g
- - - 62-Sm-139m4

MAT 6211

(n,2n) d

62-Sm-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

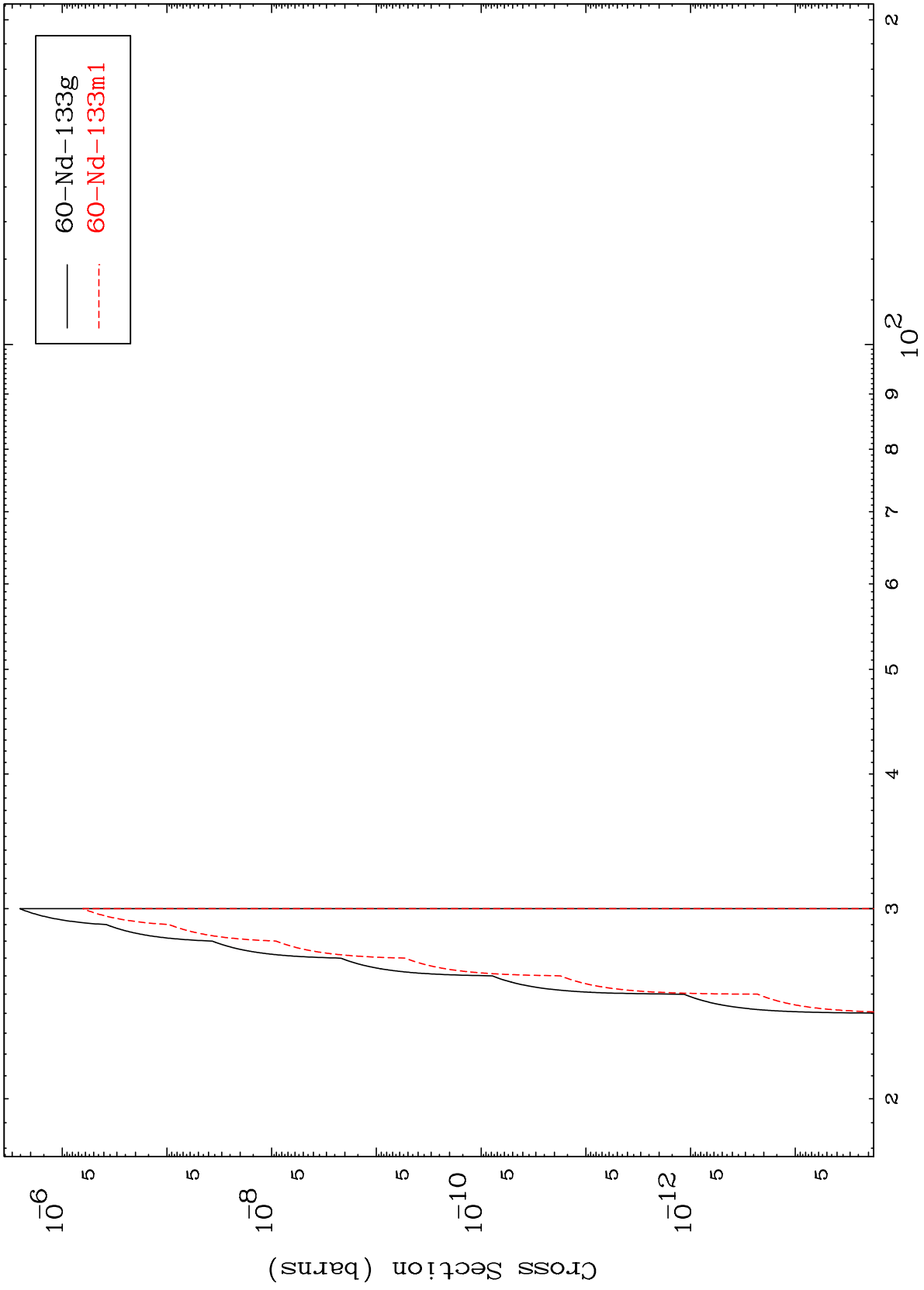
62-Sm-139

MAT 6211

(n,3n) α

62-Sm-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

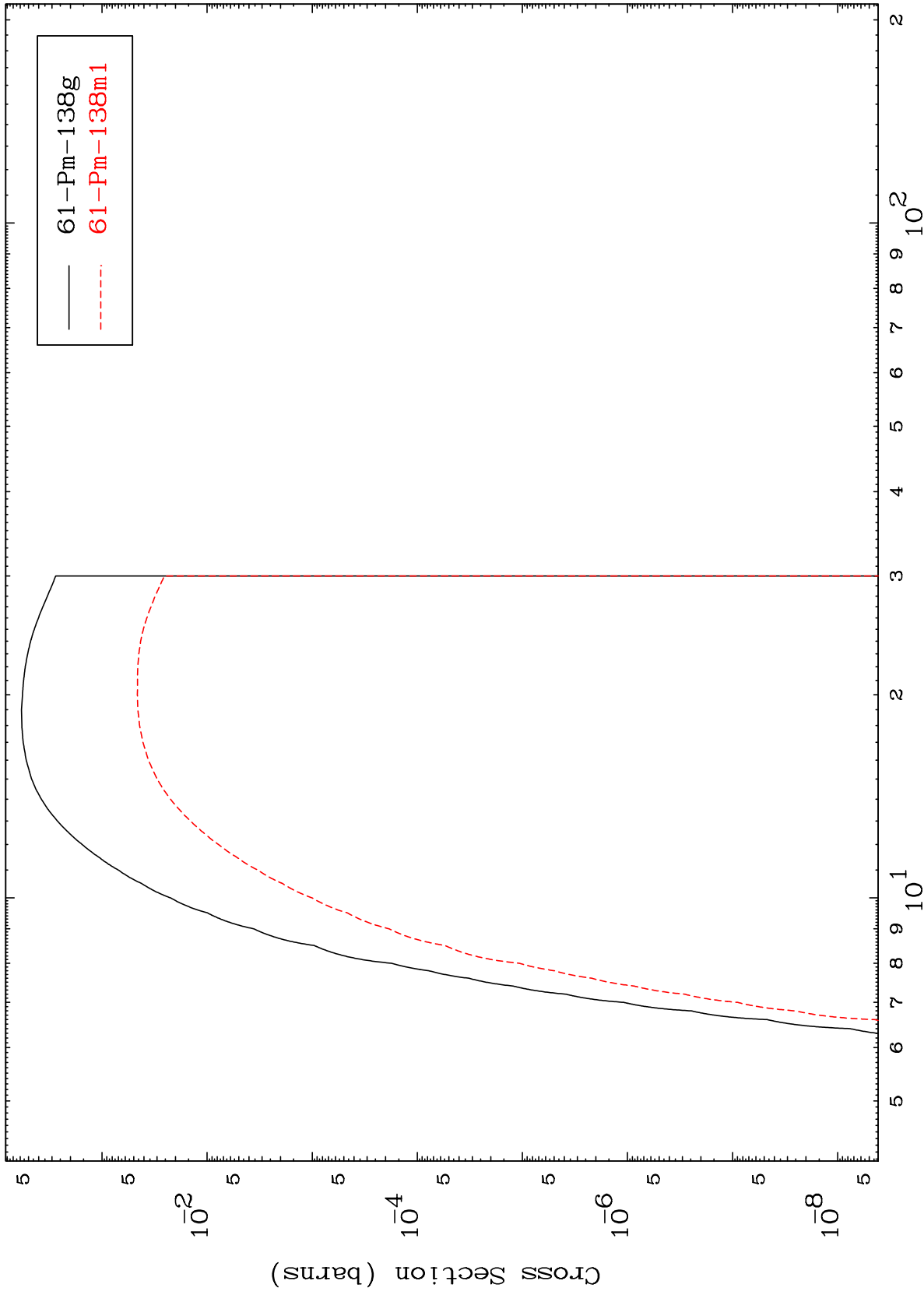
62-Sm-139

MAT 6211

(n,n') p

62-Sm-139

Radionuclide Production Cross Section



22

Incident Energy (MeV)

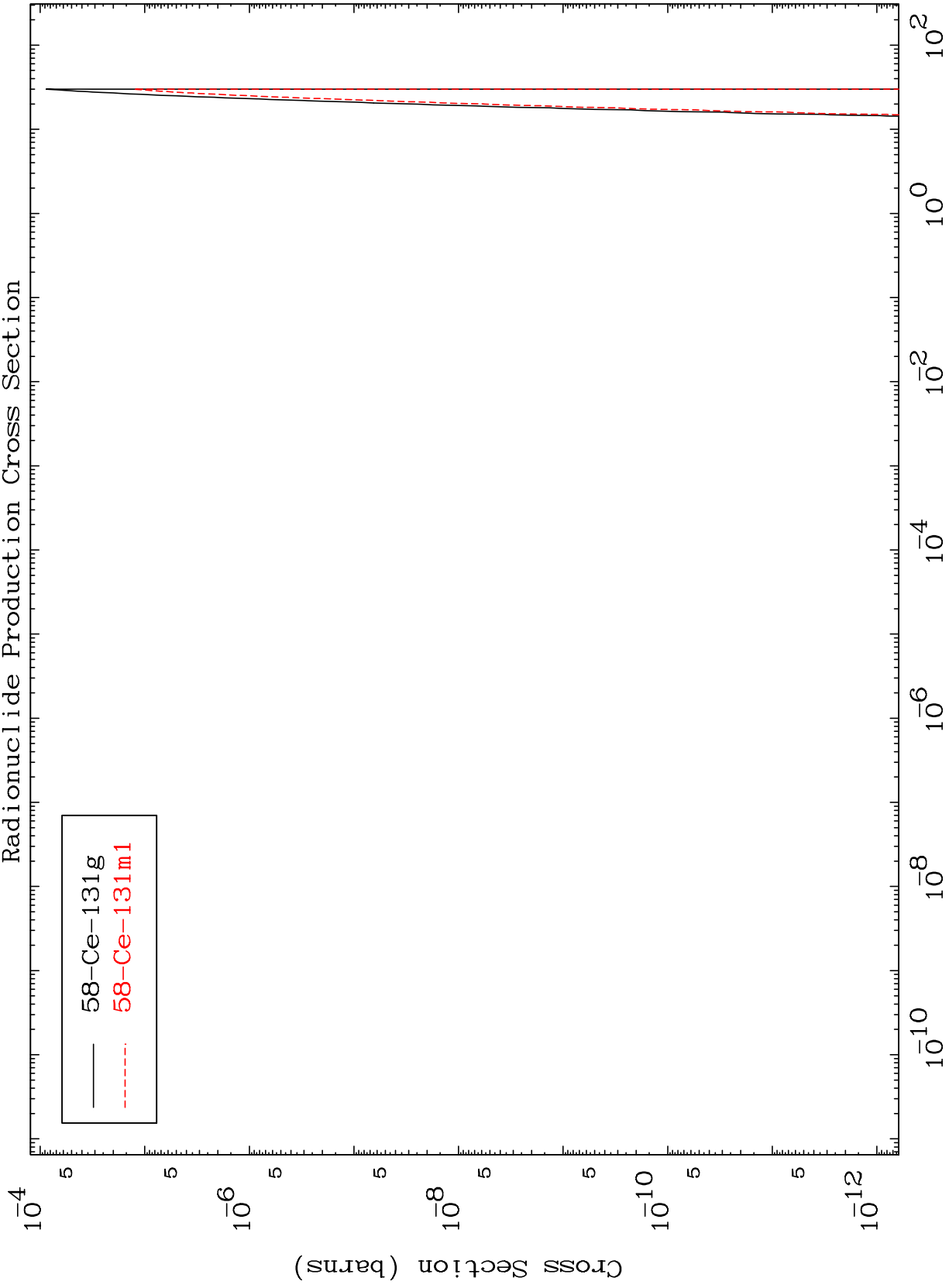
62-Sm-139

MAT 6211

(n,n') 2 α

62-Sm-139

Radionuclide Production Cross Section



58-Ce-131g
58-Ce-131m1

23

Incident Energy (MeV)

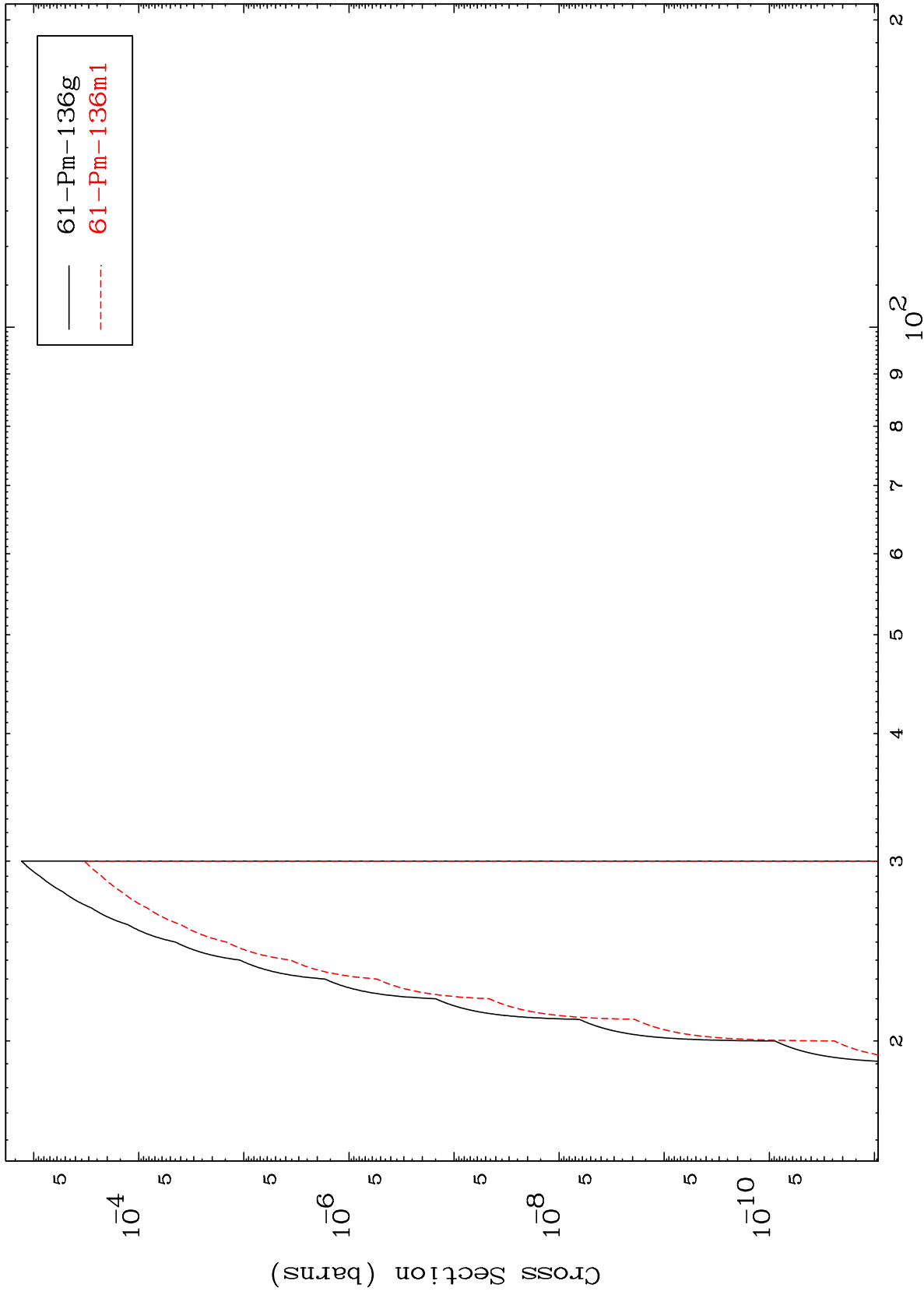
62-Sm-139

MAT 6211

(n,n') t

62-Sm-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

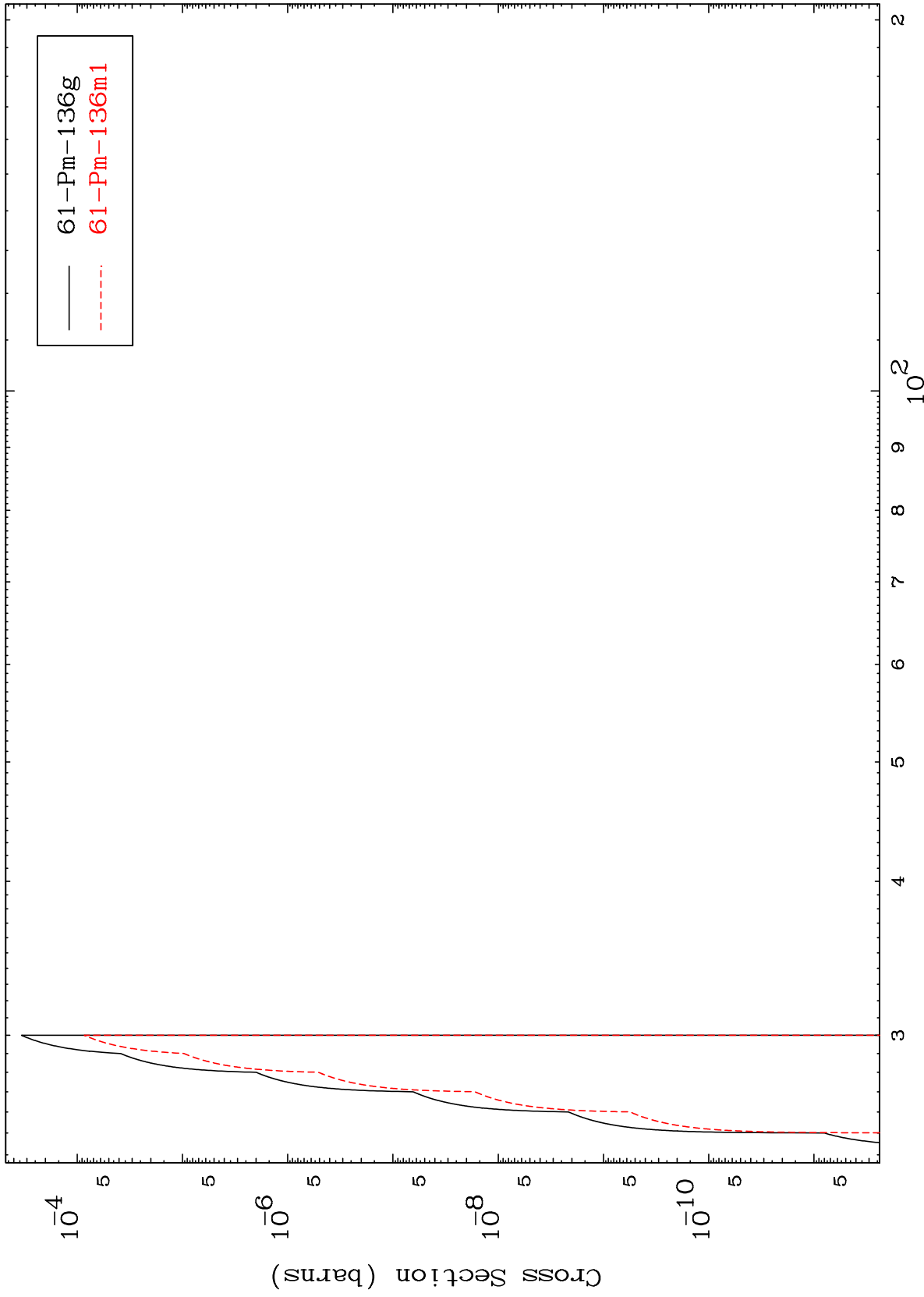
62-Sm-139

MAT 6211

(n,3n) p

62-Sm-139

Radionuclide Production Cross Section



61-Pm-136g
61-Pm-136m1

25

Incident Energy (MeV)

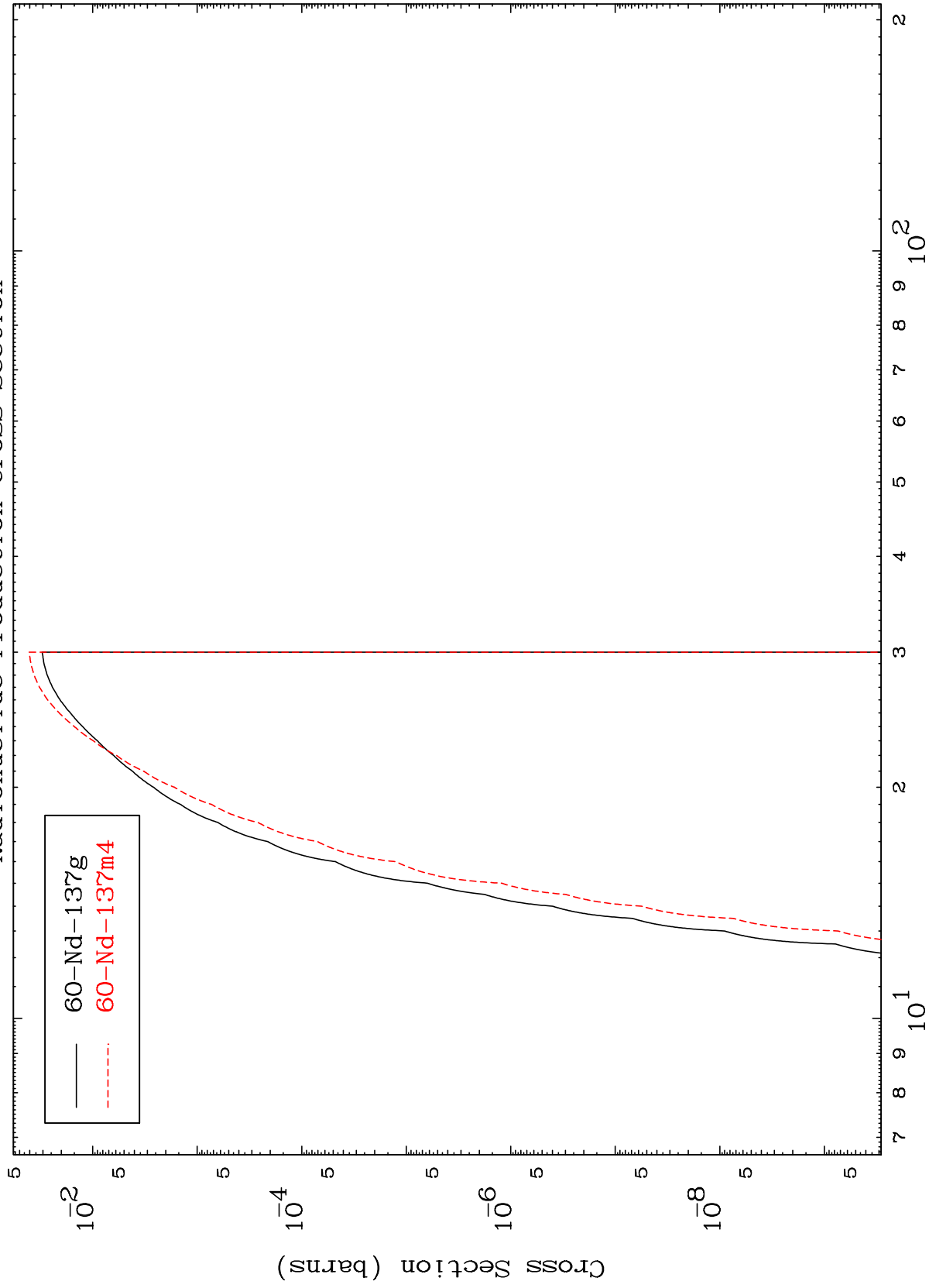
62-Sm-139

MAT 6211

(n,2n) p

62-Sm-139

Radionuclide Production Cross Section



60-Nd-137g
60-Nd-137m4

26

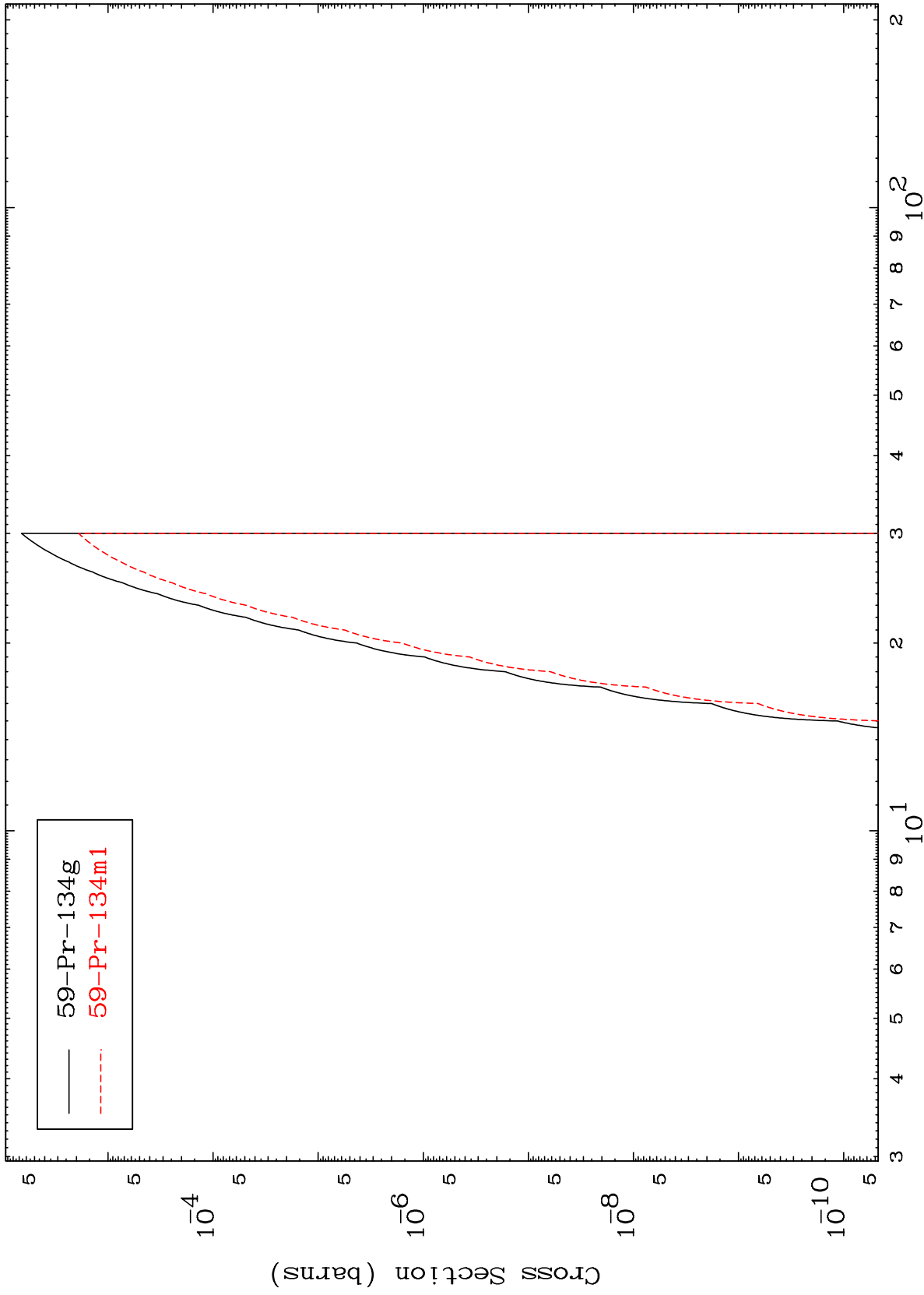
62-Sm-139

MAT 6211

(n,n') p α

62-Sm-139

Radionuclide Production Cross Section



27

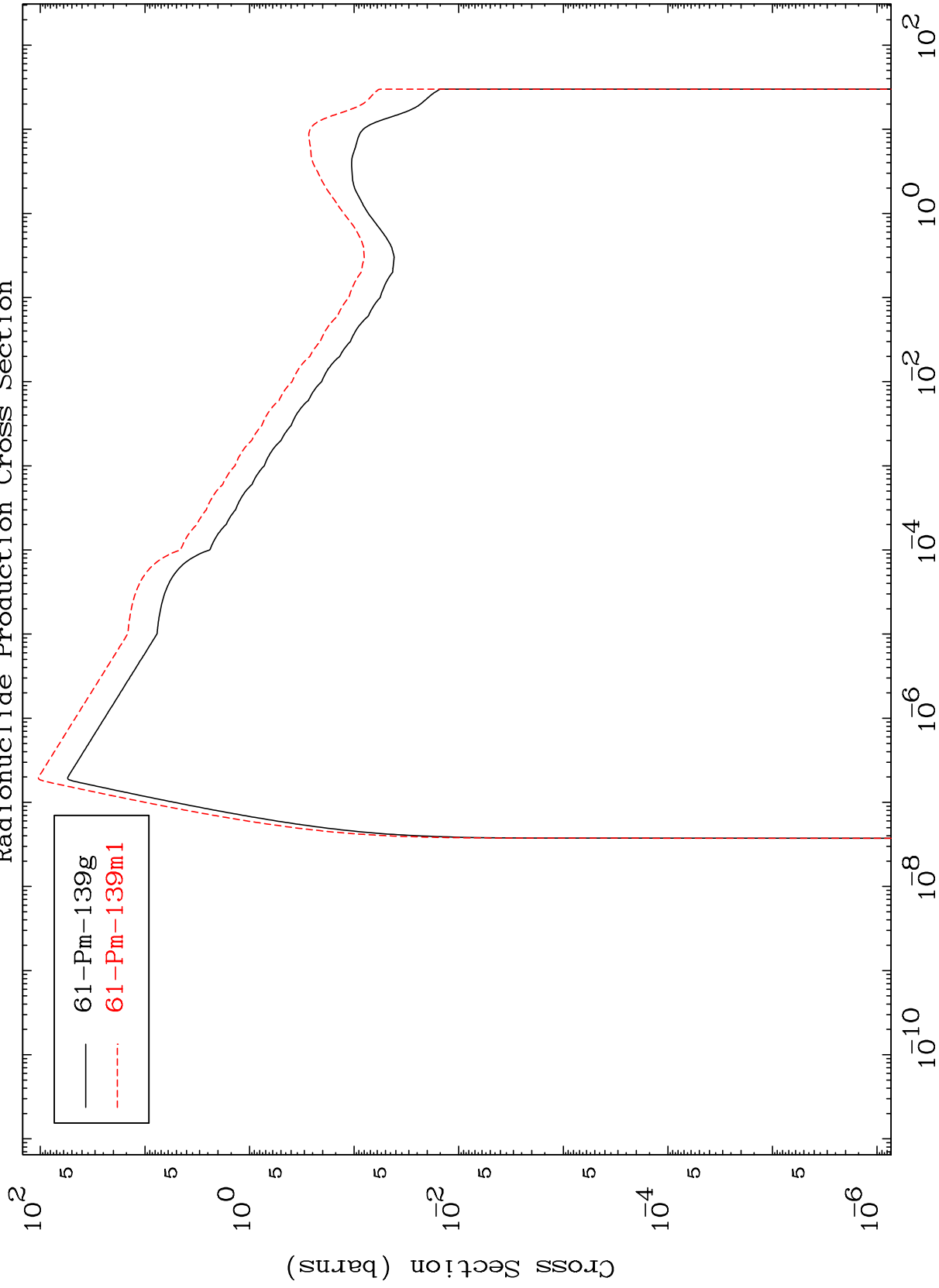
Incident Energy (MeV)

62-Sm-139

MAT 6211

62-Sm-139

Radionuclide Production Cross Section (n,p)



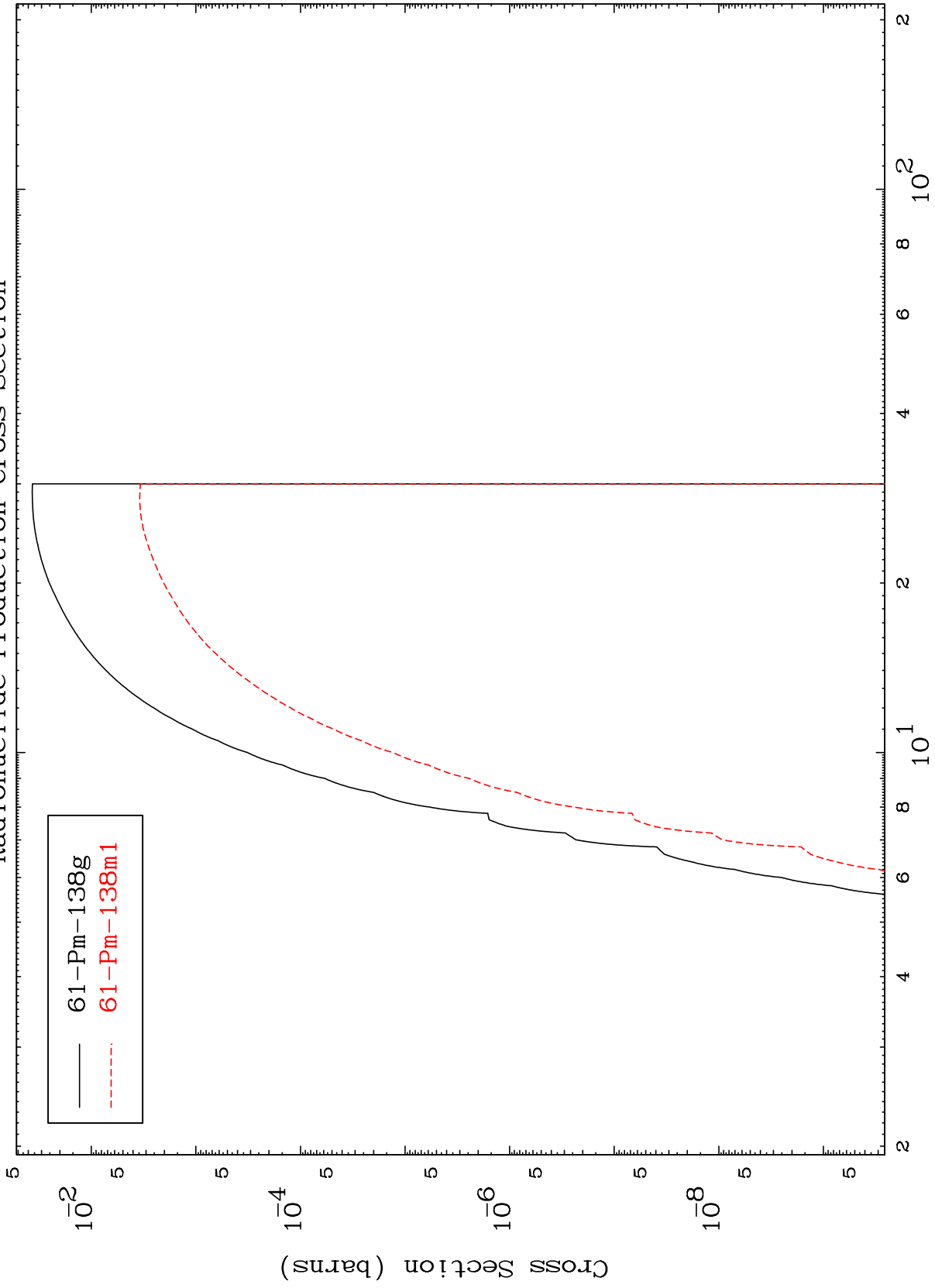
28

62-Sm-139

MAT 6211

(n,d)
Radionuclide Production Cross Section

62-Sm-139



29

Incident Energy (MeV)

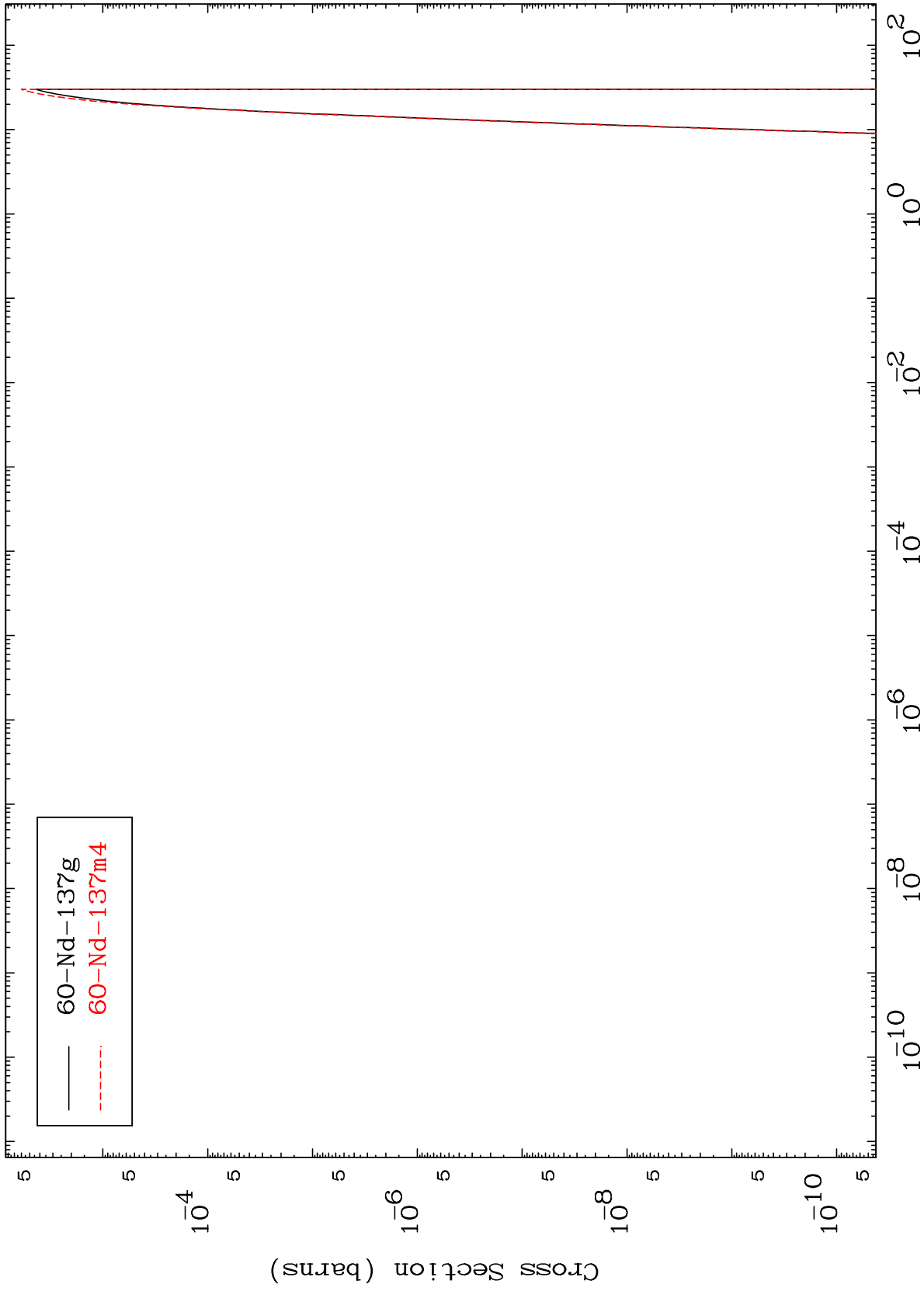
62-Sm-139

MAT 6211

(n, He-3)

62-Sm-139

Radionuclide Production Cross Section



30

Incident Energy (MeV)

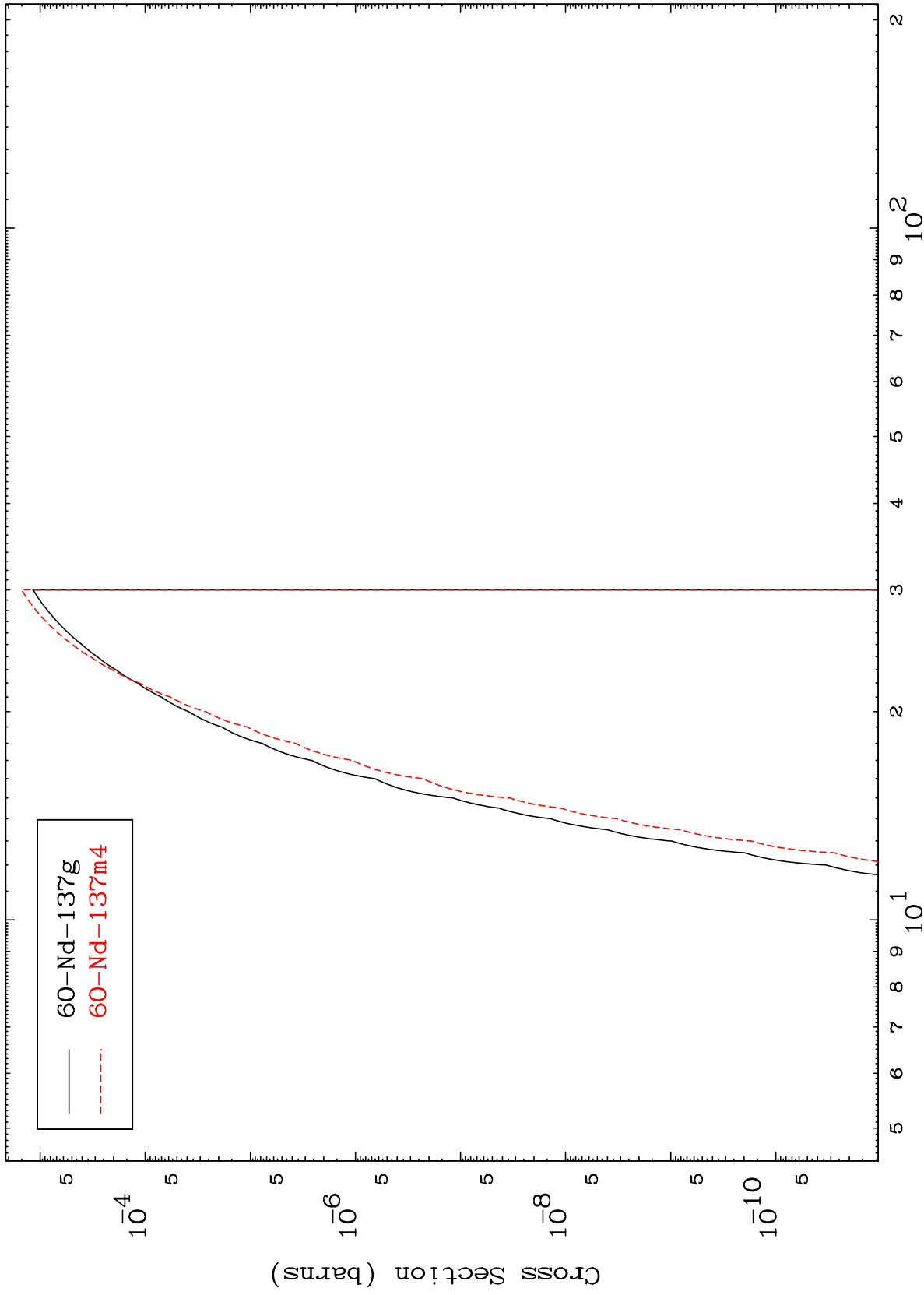
62-Sm-139

MAT 6211

(n,p) d

62-Sm-139

Radionuclide Production Cross Section



31

Incident Energy (MeV)

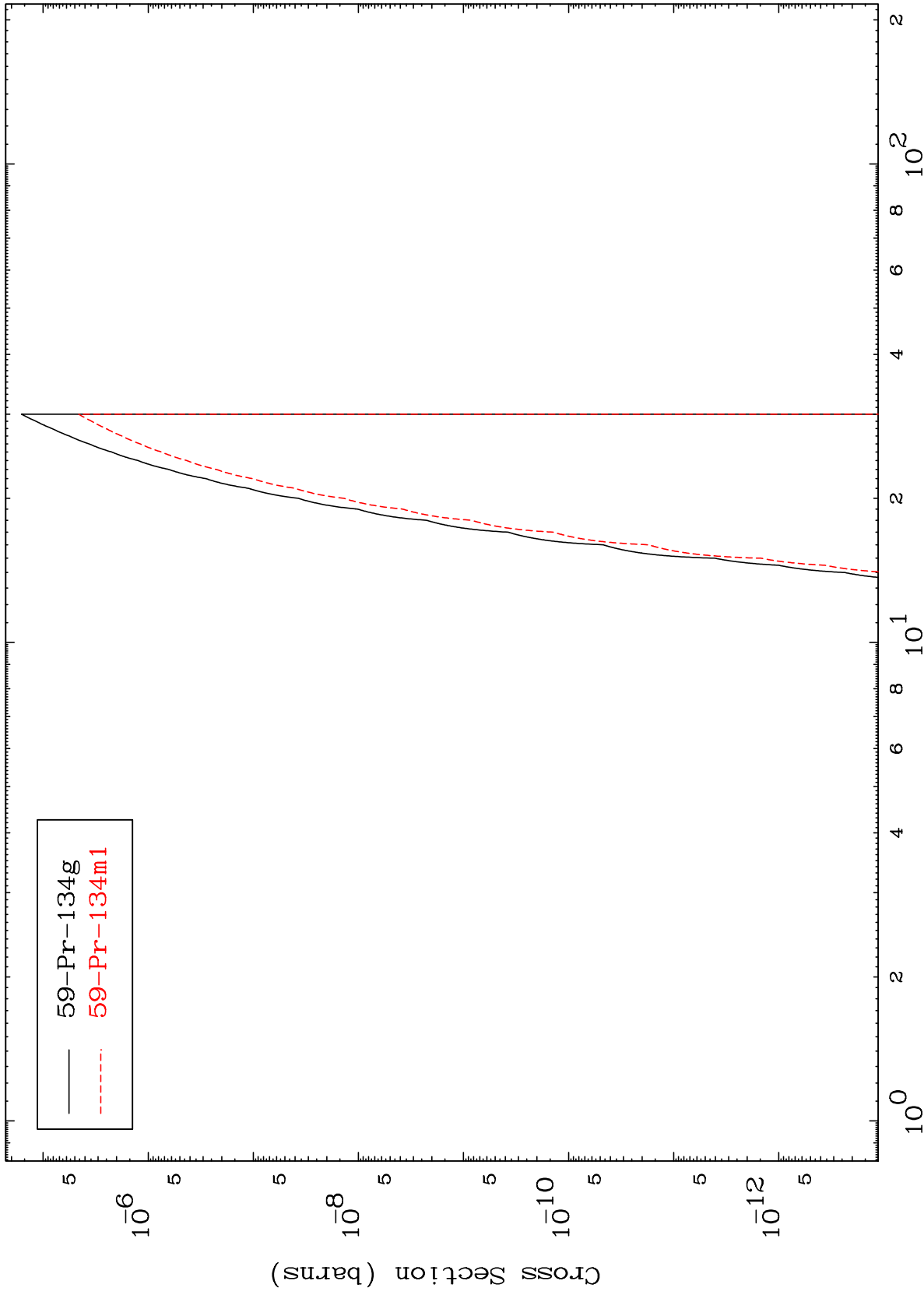
62-Sm-139

MAT 6211

(n,d) α

62-Sm-139

Radionuclide Production Cross Section



32

Incident Energy (MeV)

62-Sm-139