

Program EVALPLOT
(Version 2018-1)

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

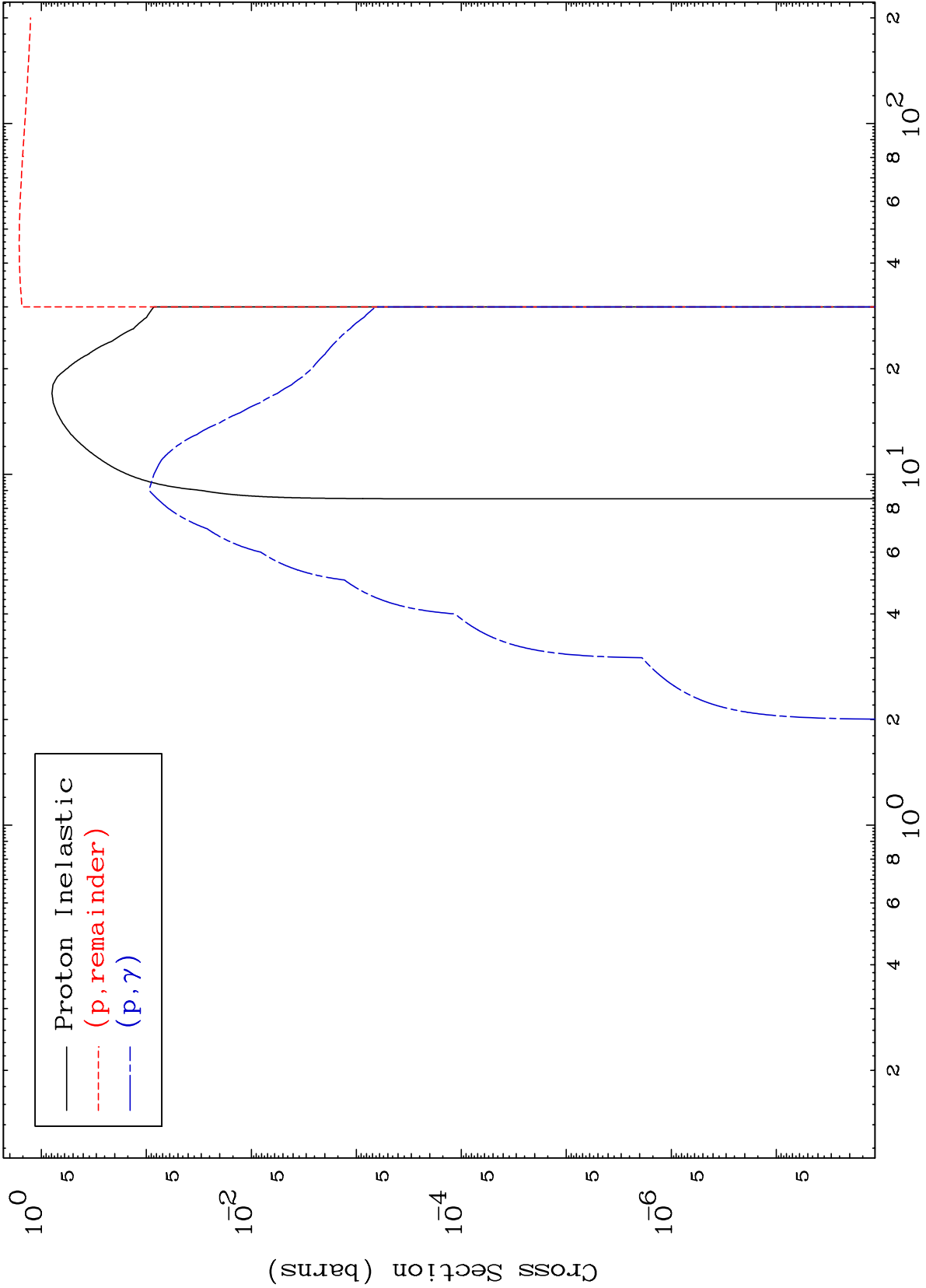
Press Mouse Button to Start

MAT 6219

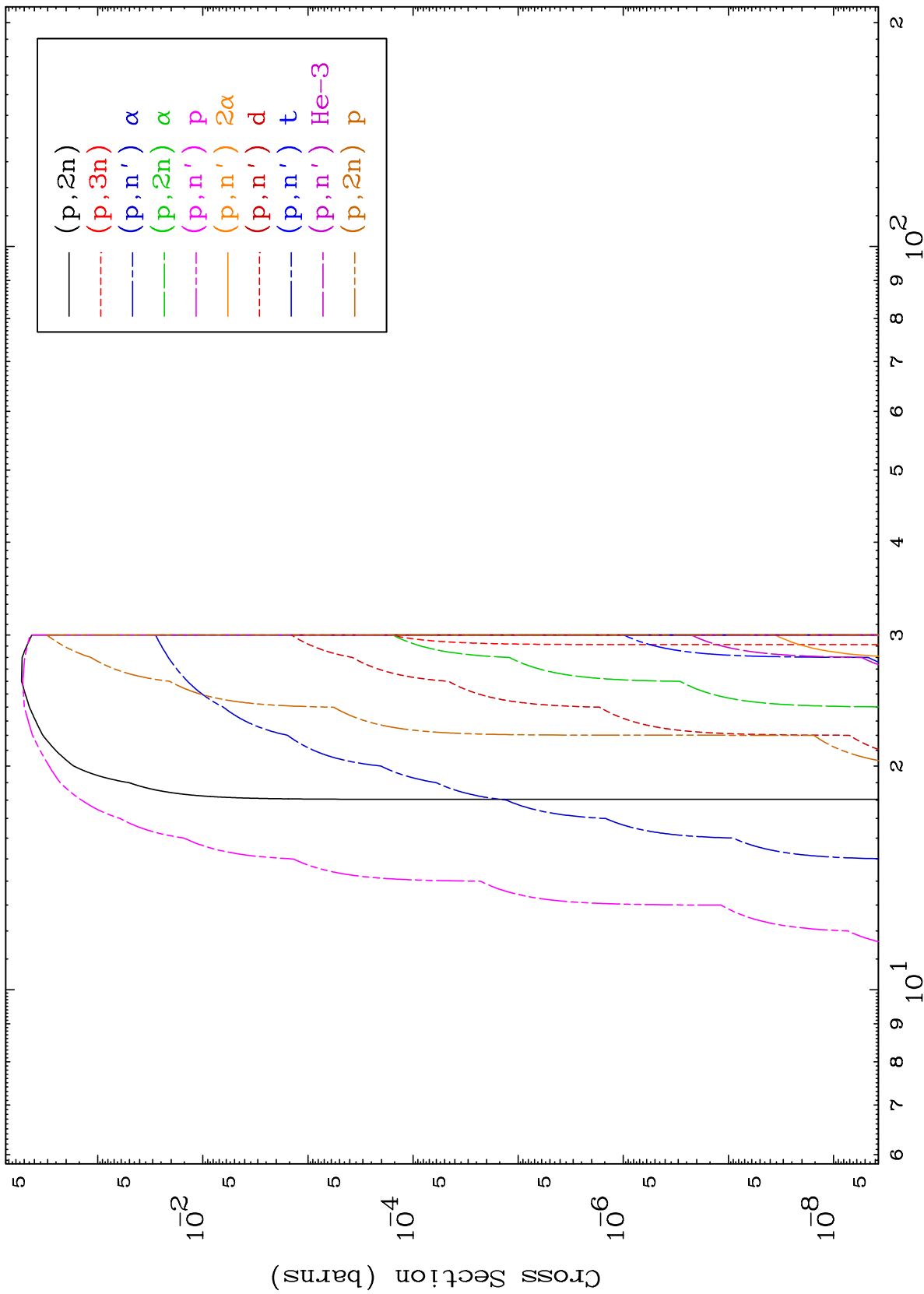
Proton Major

62-Sm-142

0 Kelvin Cross Sections



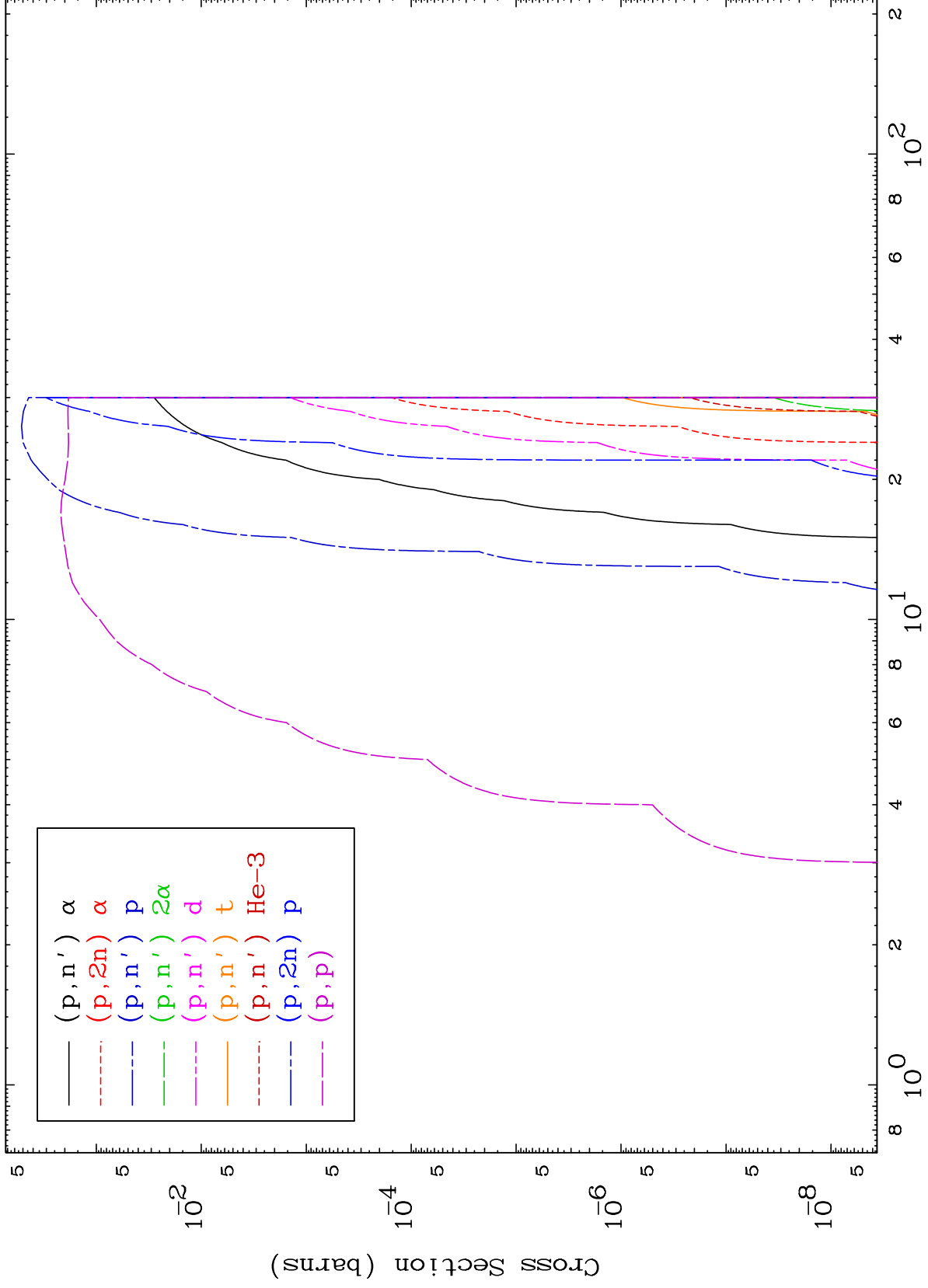
— Proton Inelastic
- - - (p, remainder)
- - - (p, γ)



MAT 6219

Proton Charged Particle
0 Kelvin Cross Sections

62-Sm-142



3

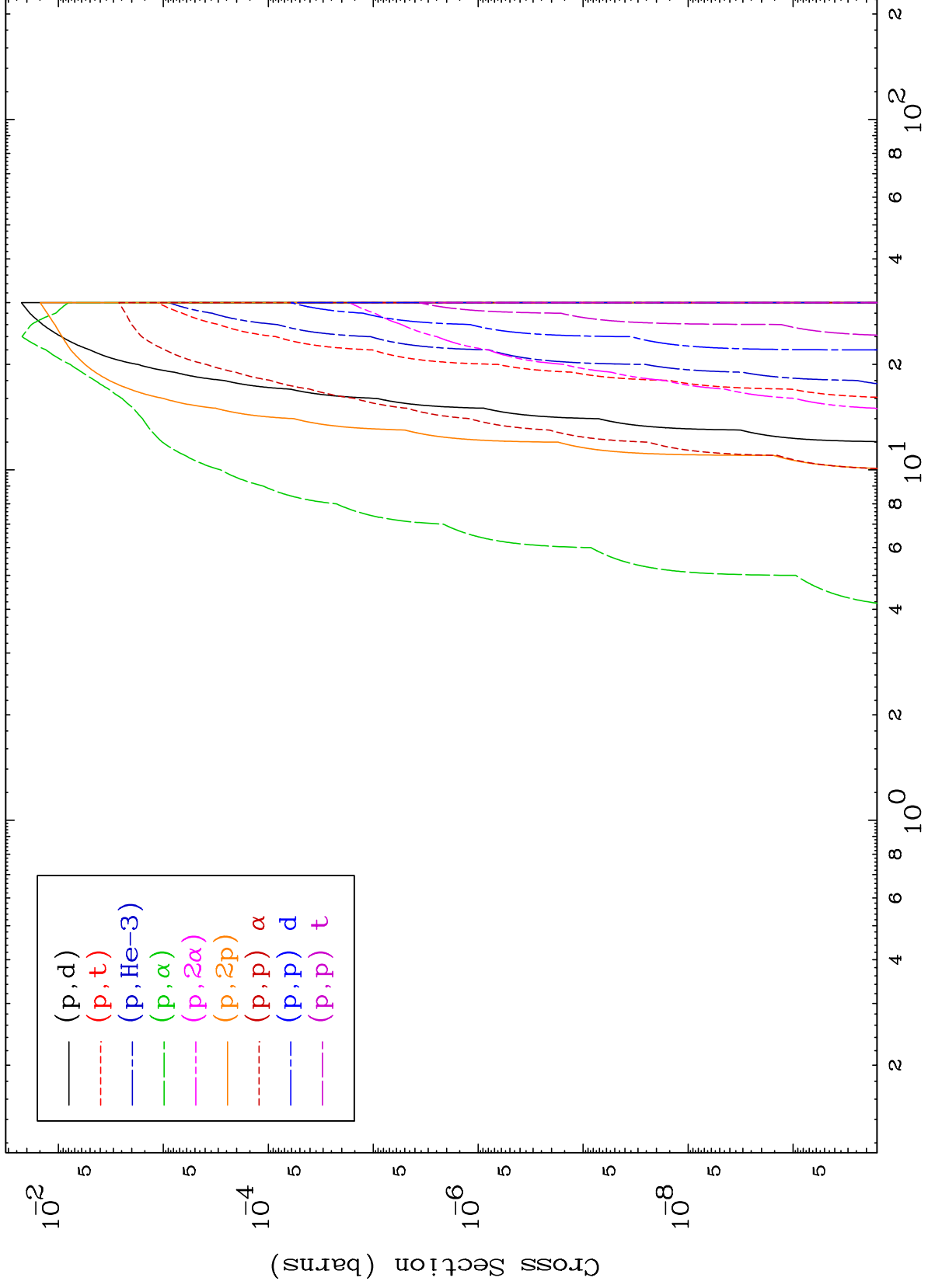
Incident Energy (MeV)

62-Sm-142

MAT 6219

Proton Charged Particle
0 Kelvin Cross Sections

62-Sm-142

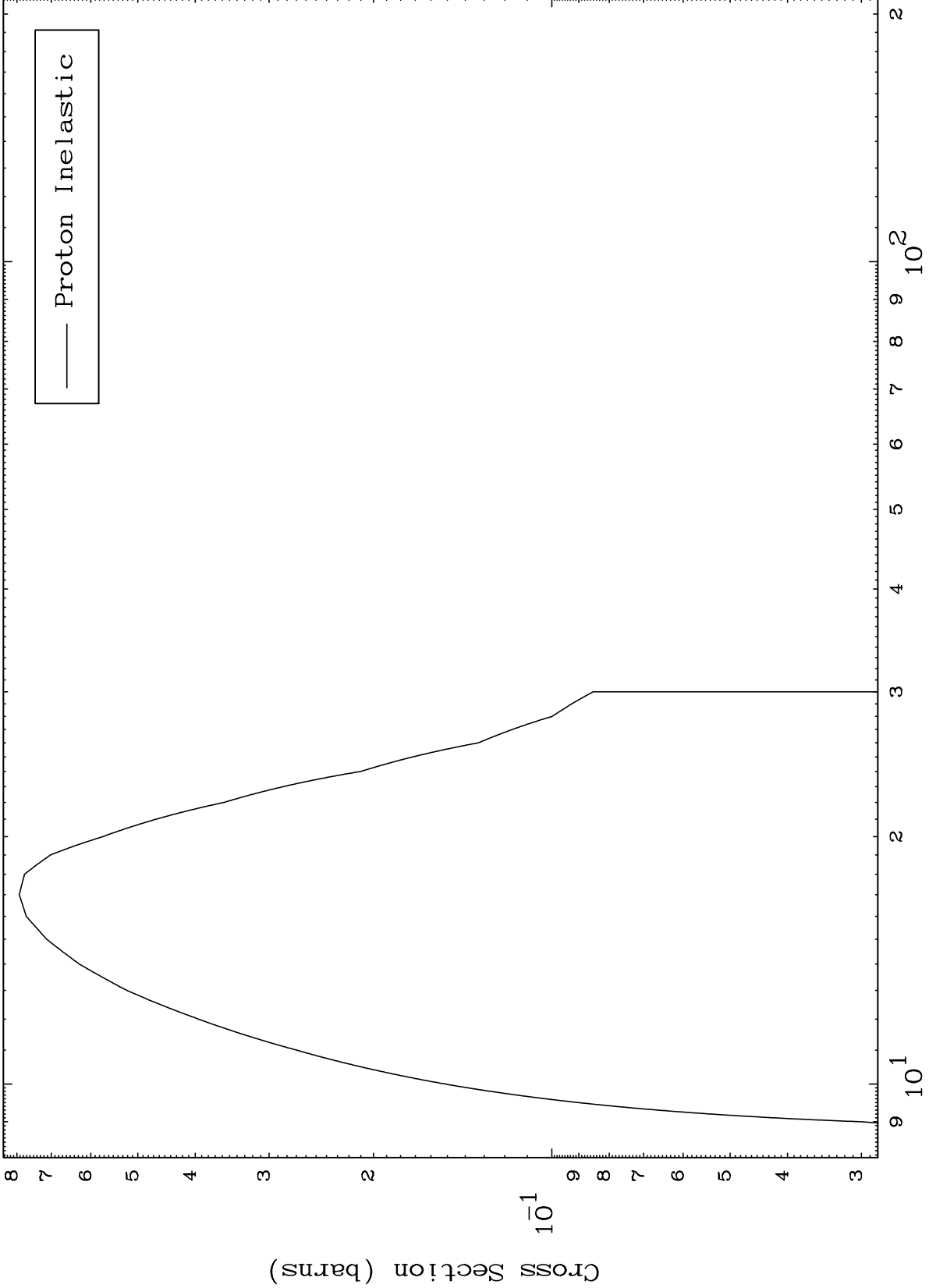


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(p,n') Level

62-Sm-142

0 Kelvin Cross Sections



5

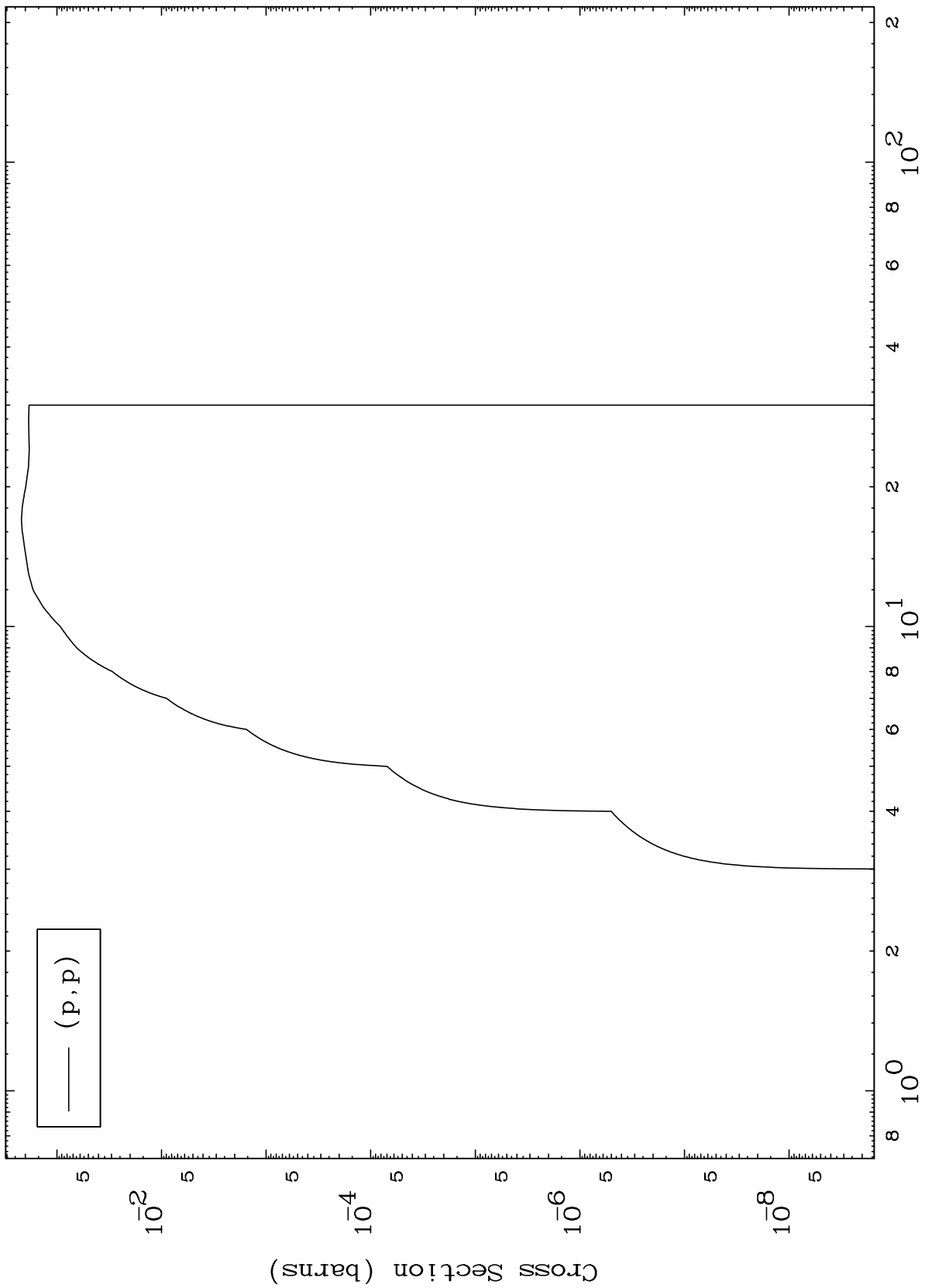
Incident Energy (MeV)

62-Sm-142

MAT 6219

62-Sm-142

(p,p) Levels
0 Kelvin Cross Sections



62-Sm-142

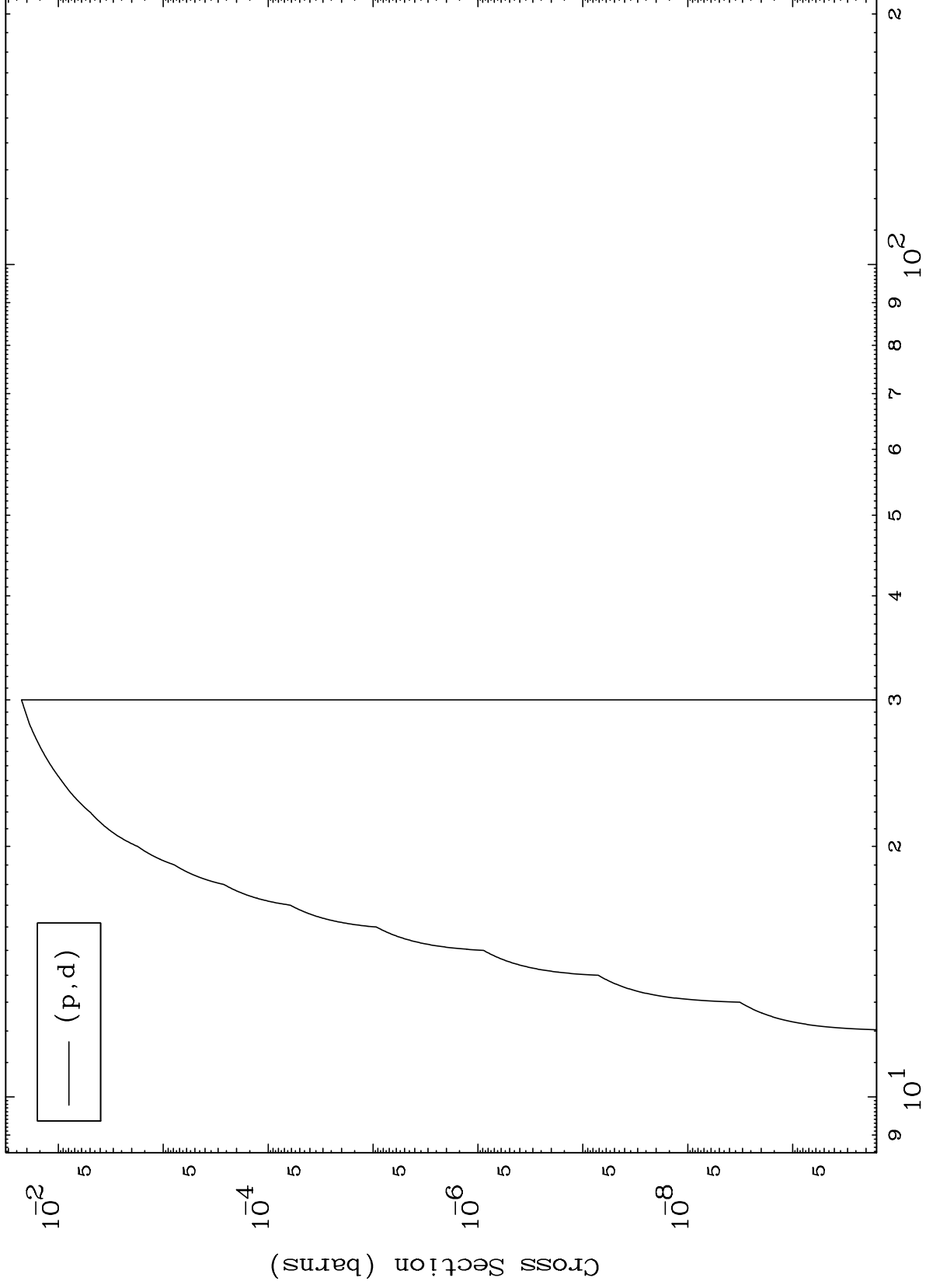
Incident Energy (MeV)

6

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(p,d) Levels
0 Kelvin Cross Sections

62-Sm-142



Incident Energy (MeV)

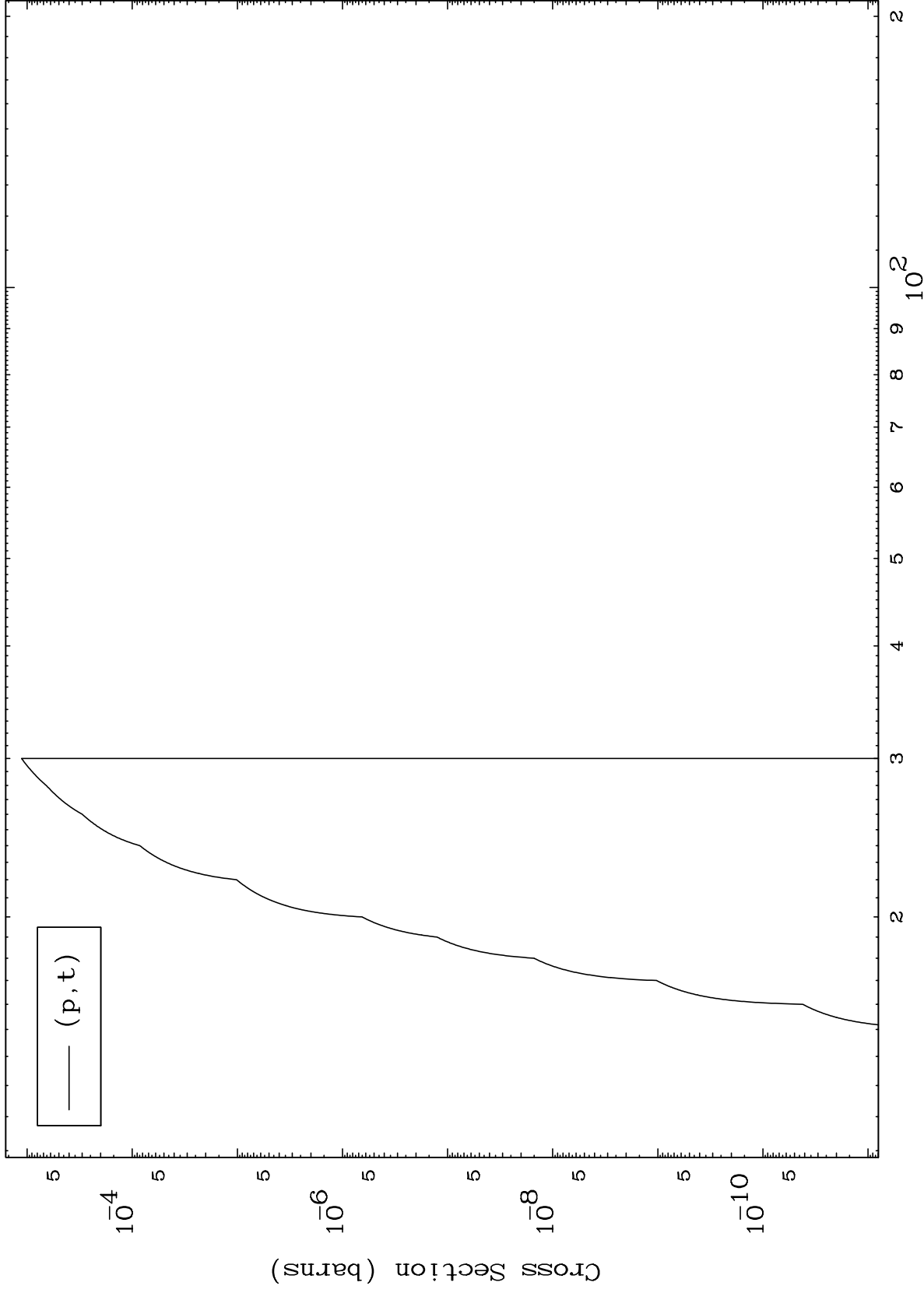
62-Sm-142

7

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(p,t) Levels
0 Kelvin Cross Sections

62-Sm-142



8

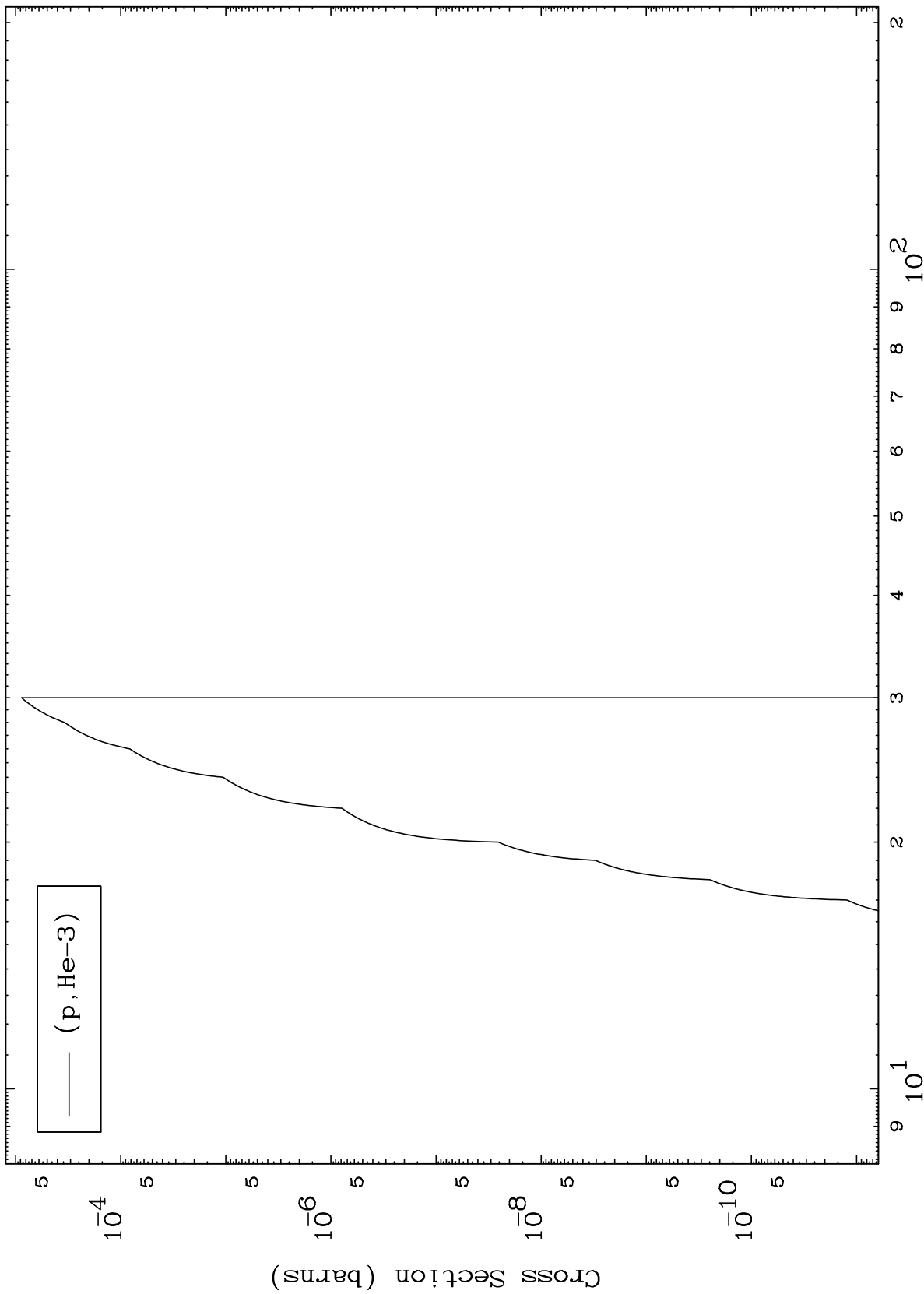
Incident Energy (MeV)

62-Sm-142

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62-Sm-142

(p,He3) Levels
0 Kelvin Cross Sections



62-Sm-142

Incident Energy (MeV)

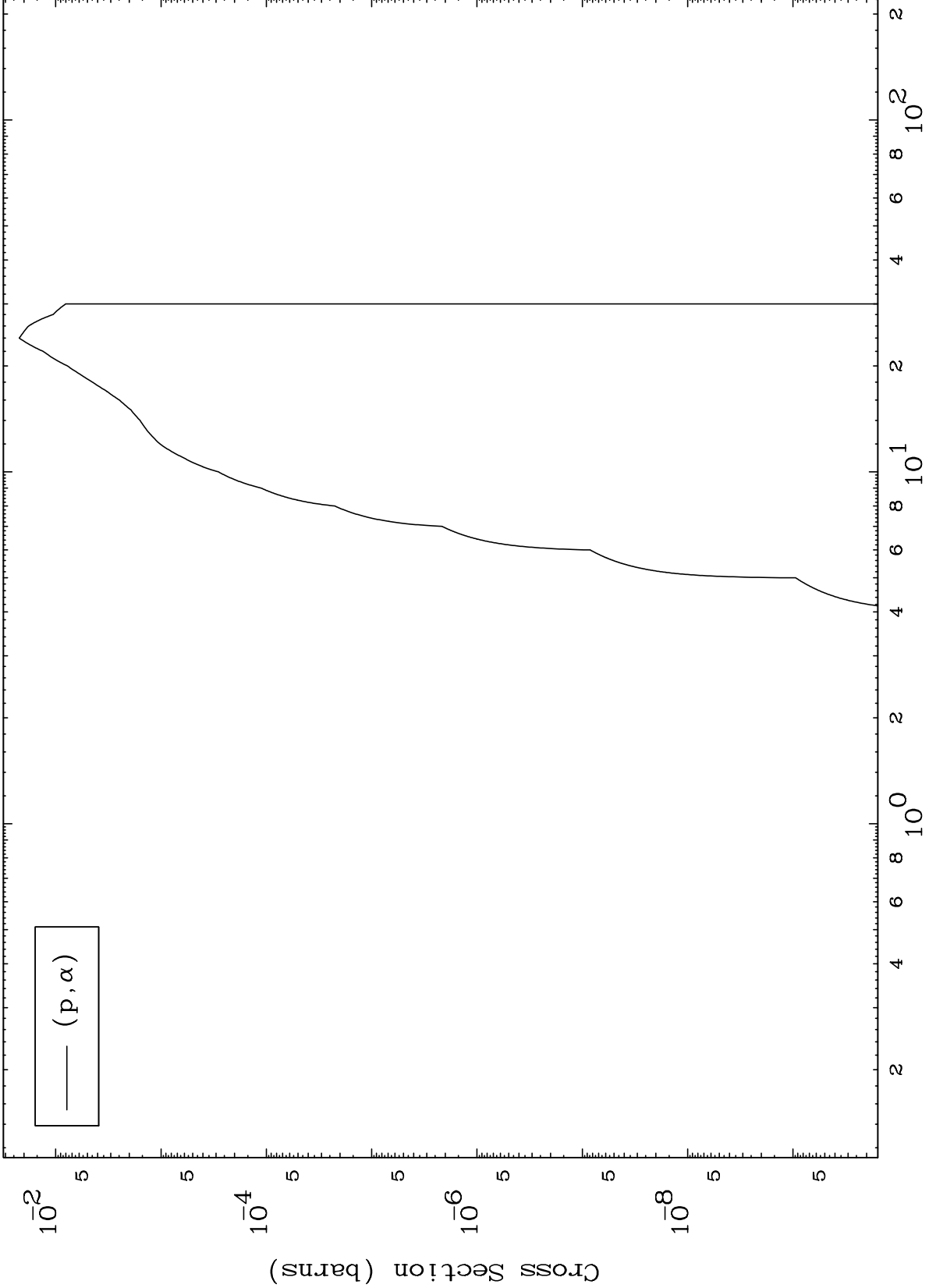
9

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(p, α) Levels

62-Sm-142

0 Kelvin Cross Sections

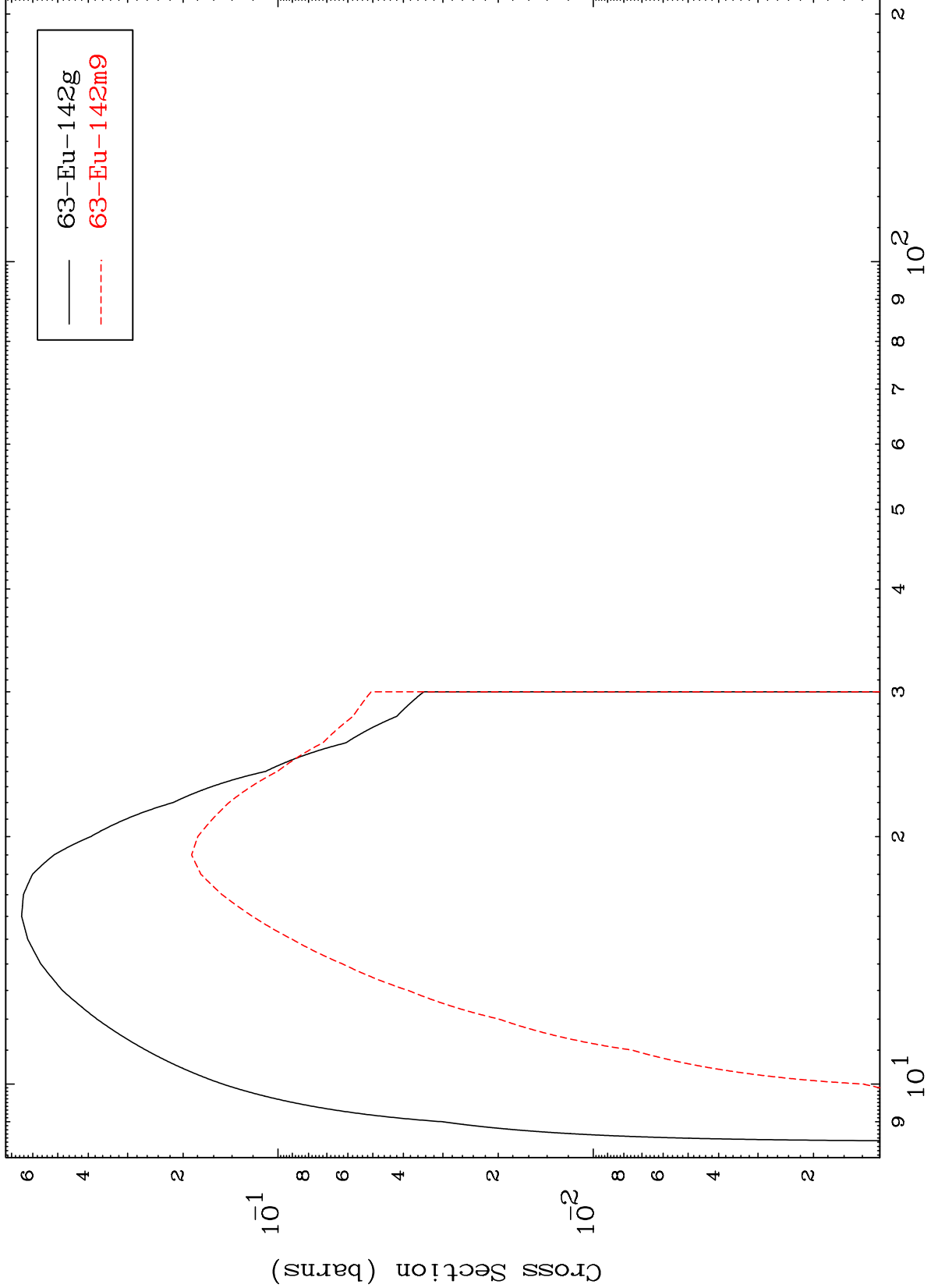


10

Incident Energy (MeV)

62-Sm-142

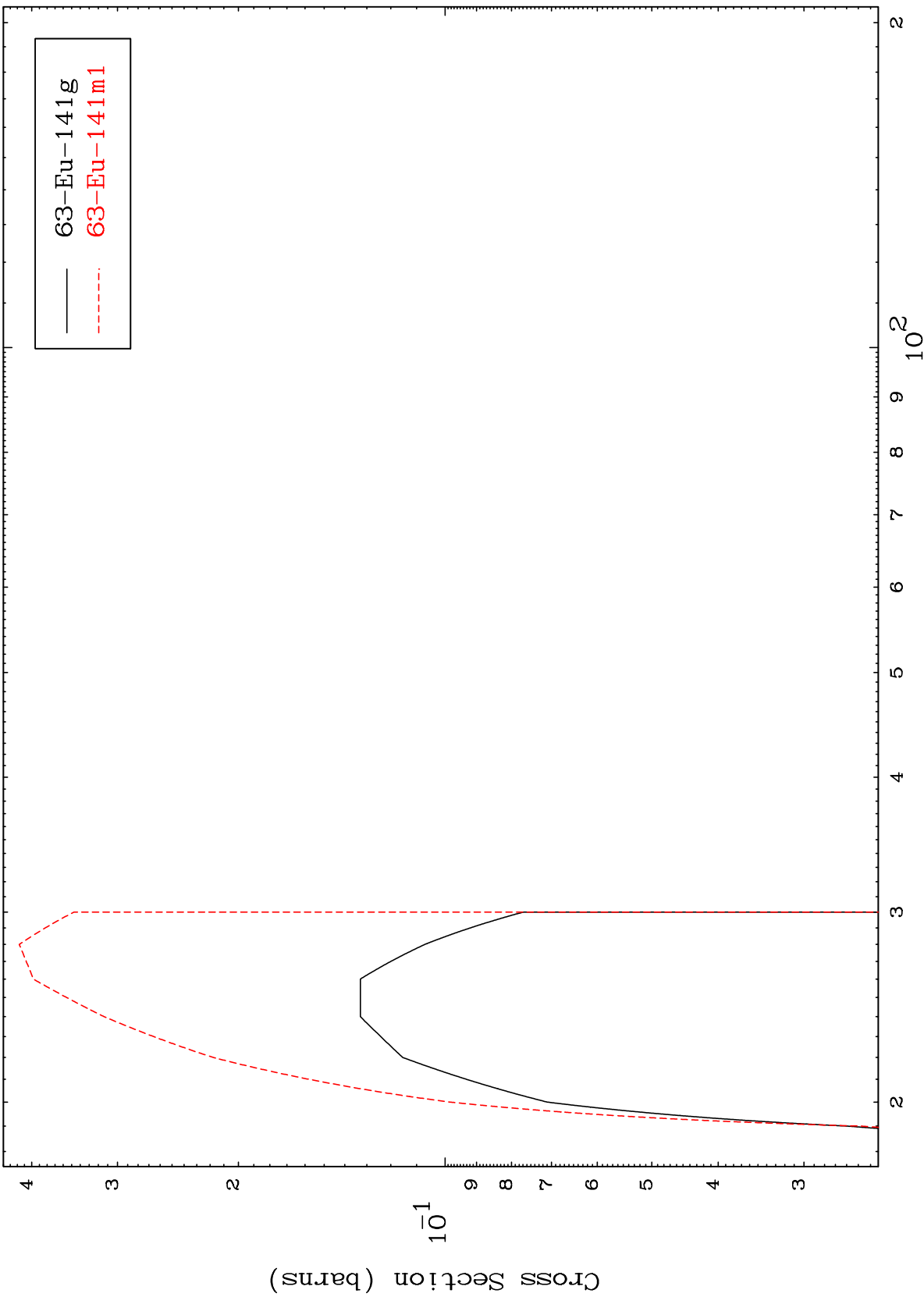
Radionuclide Production Cross Section



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62-Sm-142

(p,2n)
Radionuclide Production Cross Section



63-Eu-141g
63-Eu-141m1

12

Incident Energy (MeV)

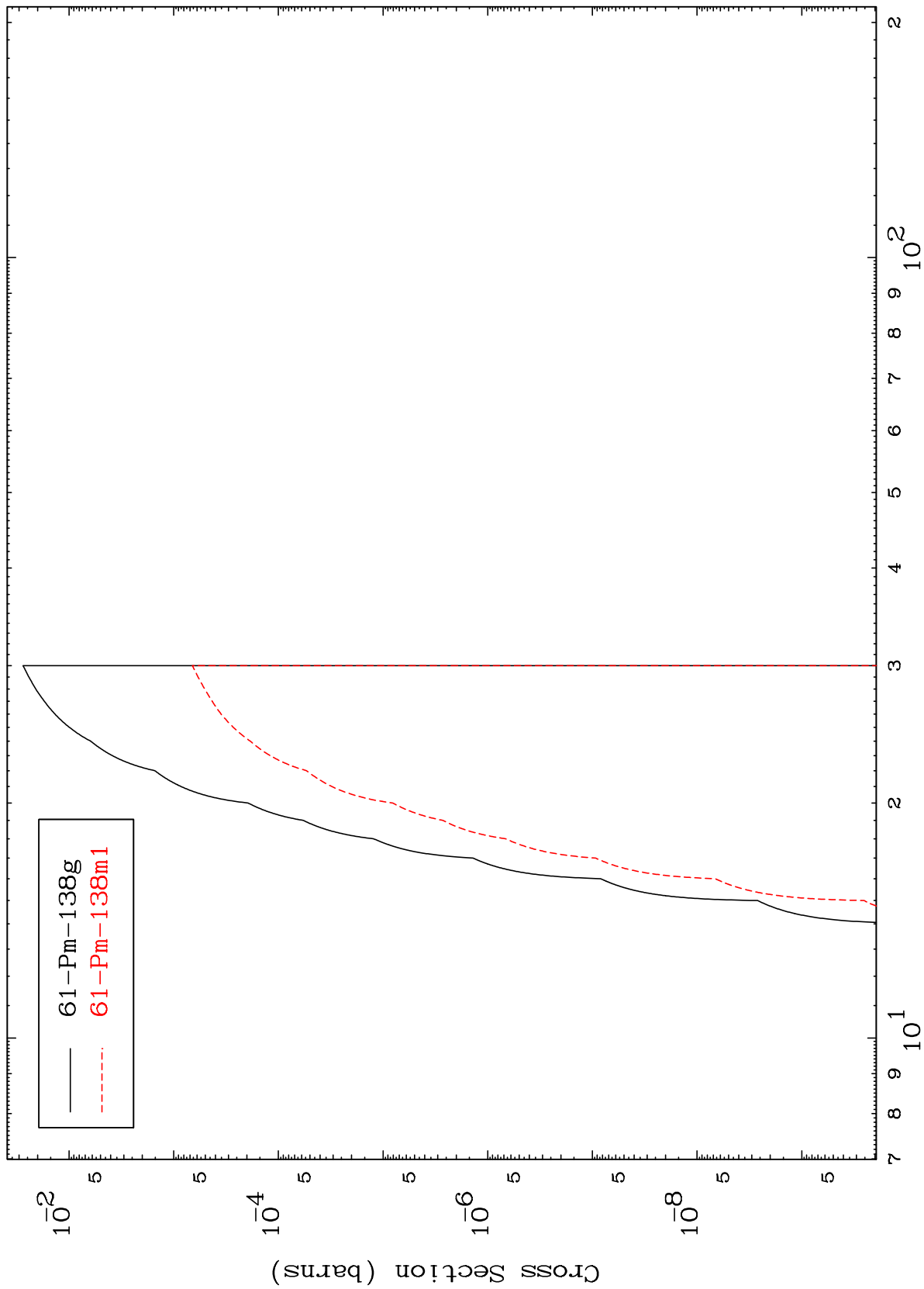
62-Sm-142

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(p,n') α

62-Sm-142

Radionuclide Production Cross Section



13

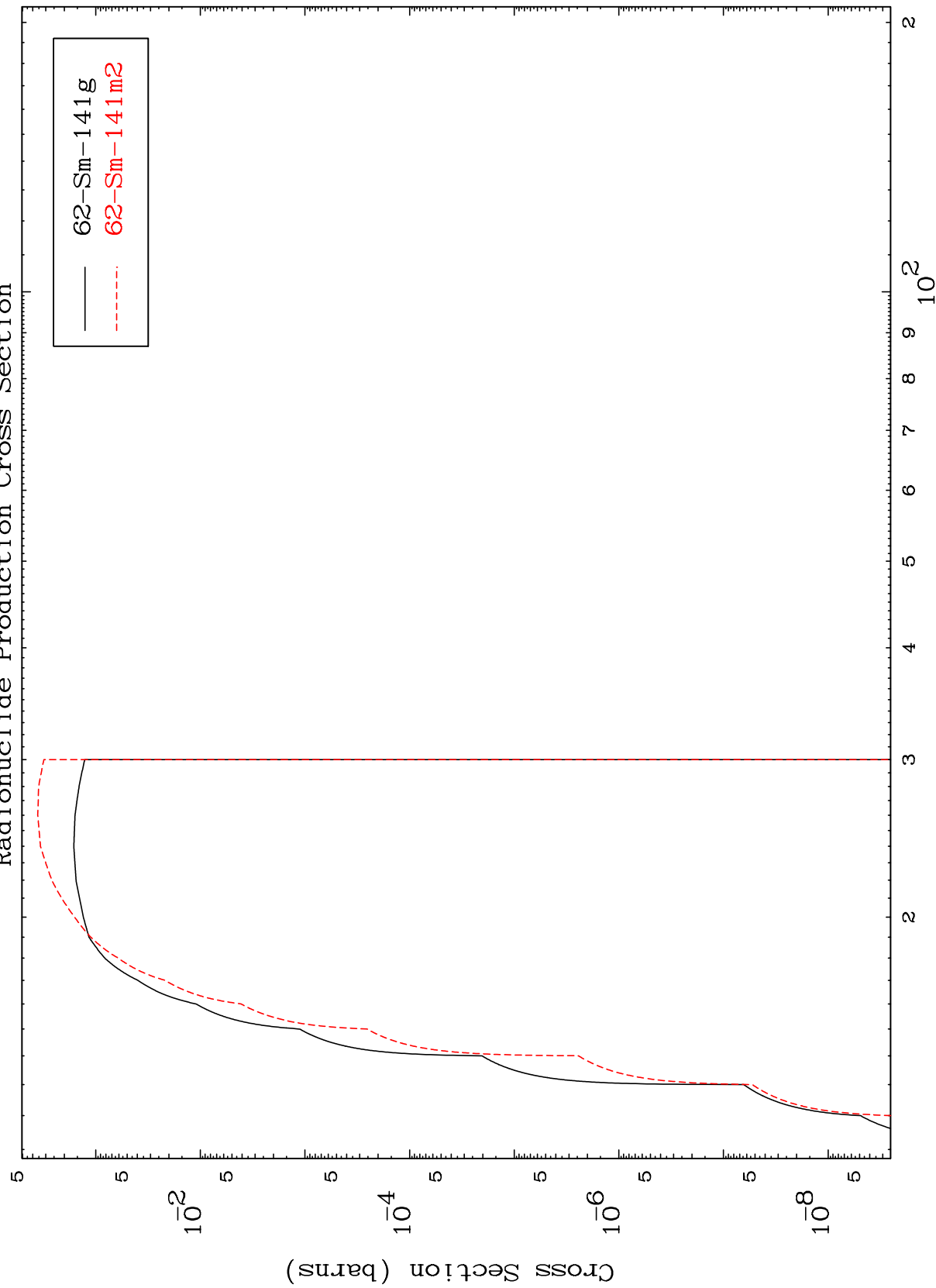
Incident Energy (MeV)

62-Sm-142

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62-Sm-142

(p,n') p
Radionuclide Production Cross Section



62-Sm-142

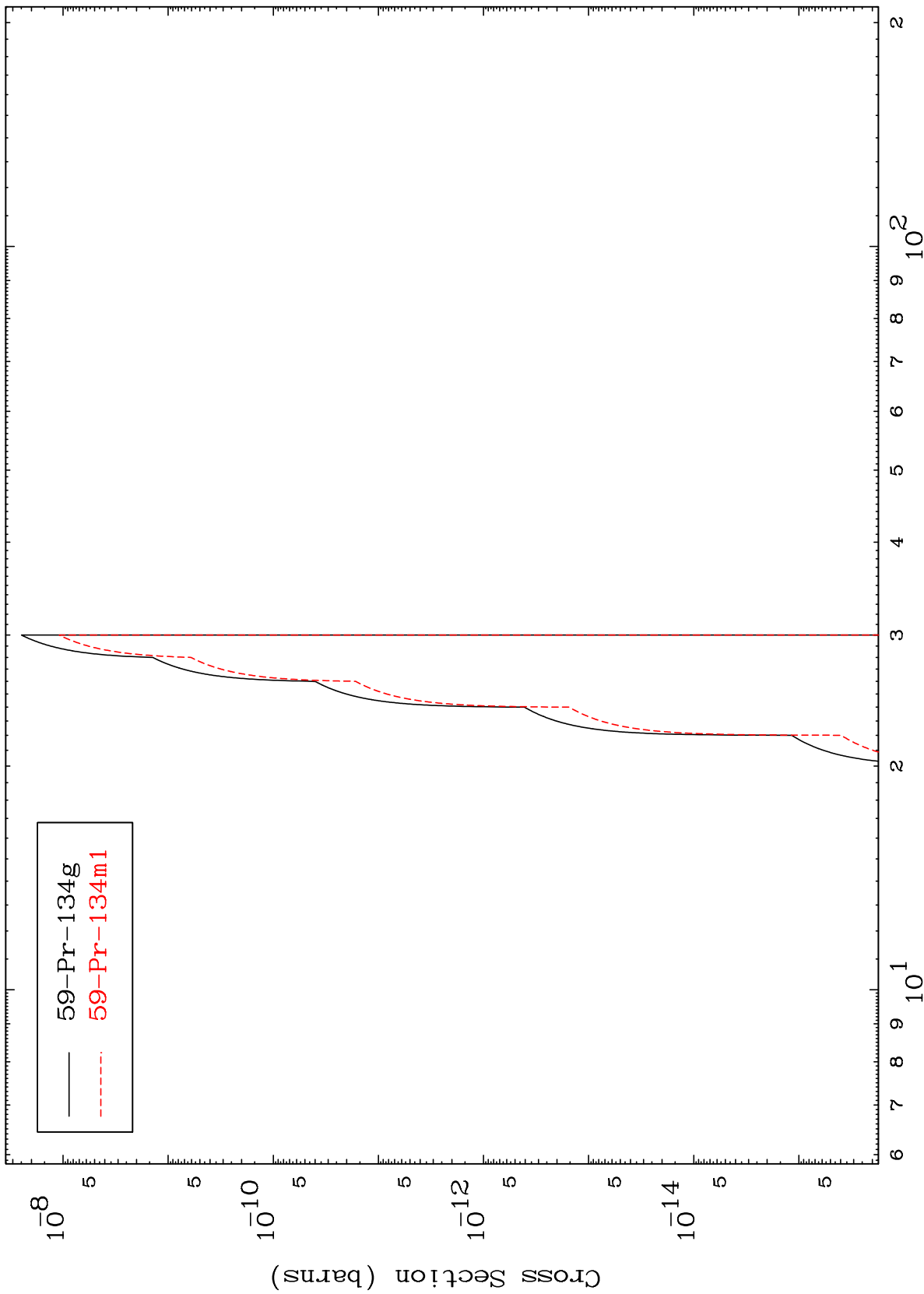
Incident Energy (MeV)

14

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62-Sm-142

(p,n') 2α
Radionuclide Production Cross Section



15

Incident Energy (MeV)

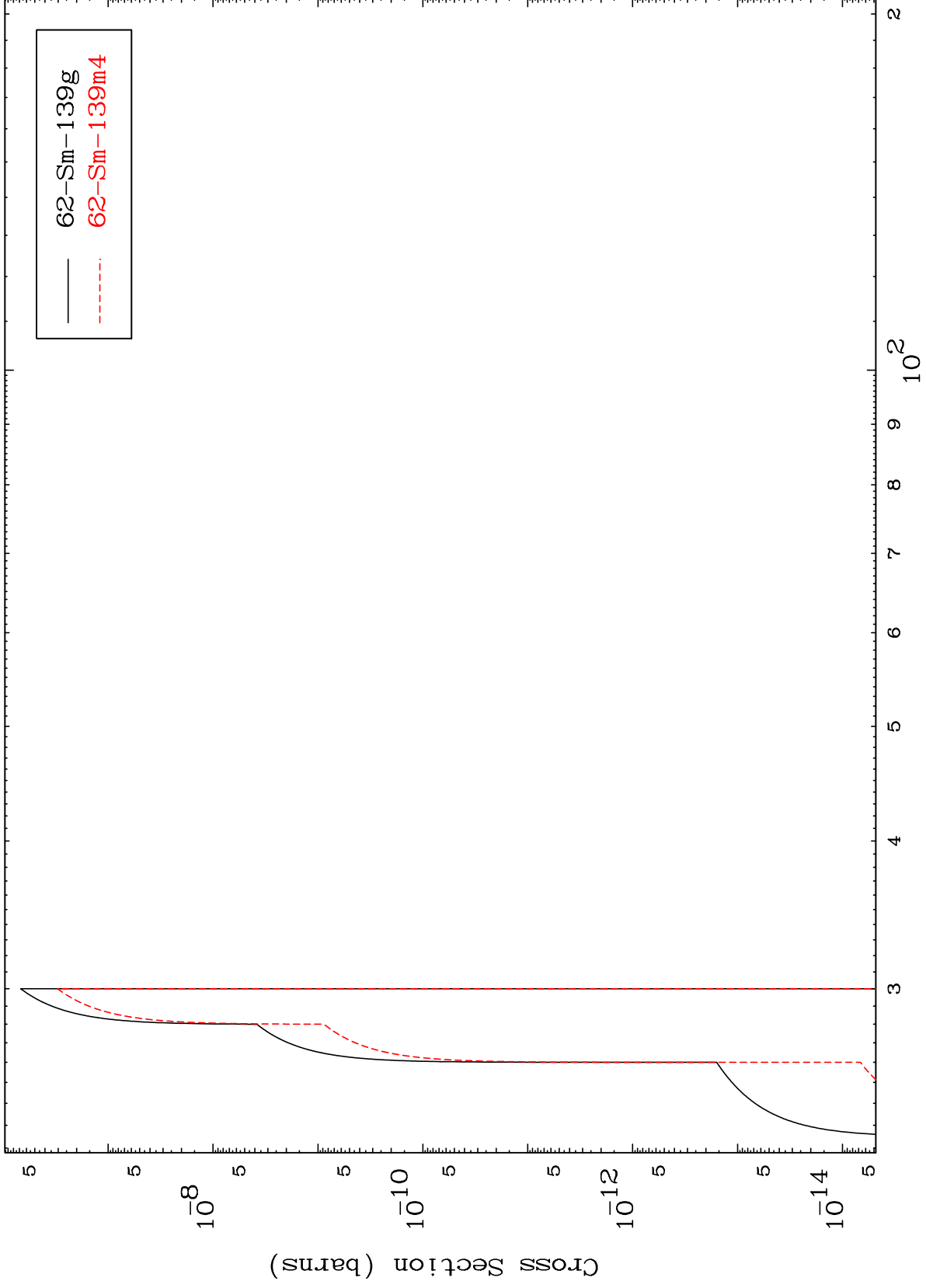
62-Sm-142

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(p,n') t

62-Sm-142

Radionuclide Production Cross Section

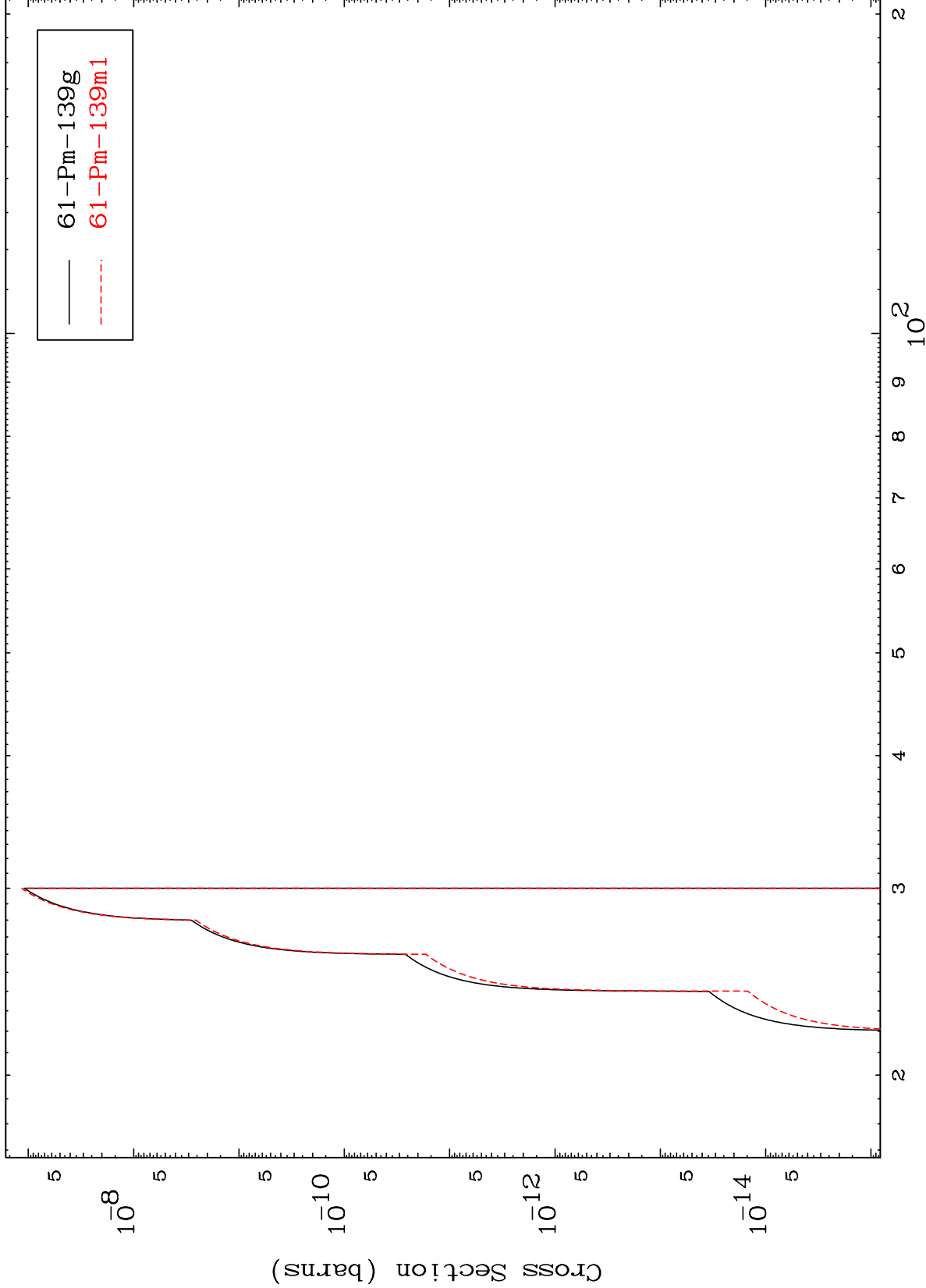


16

Incident Energy (MeV)

62-Sm-142

Radionuclide Production Cross Section

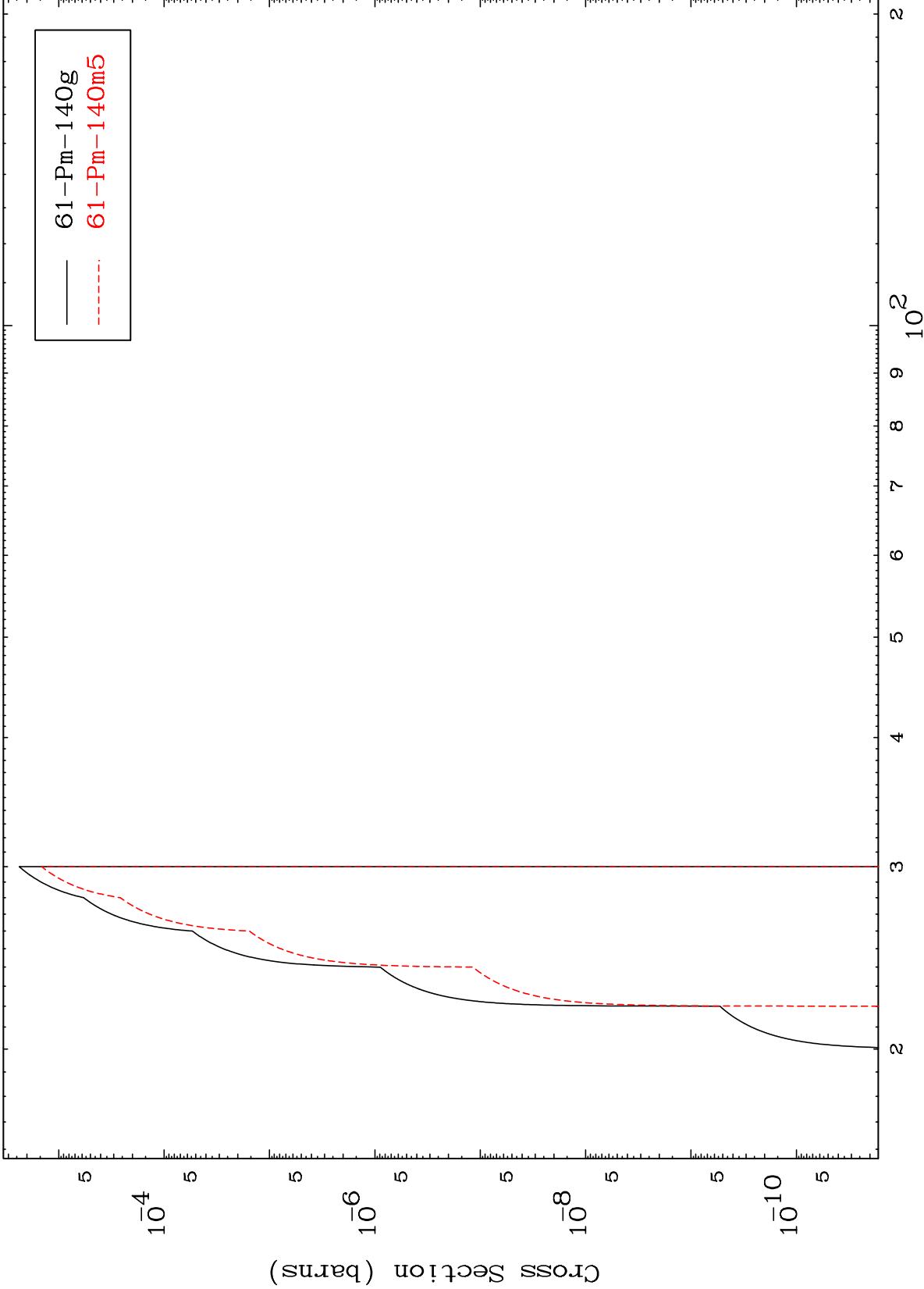


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(p,2n) p

62-Sm-142

Radionuclide Production Cross Section



18

Incident Energy (MeV)

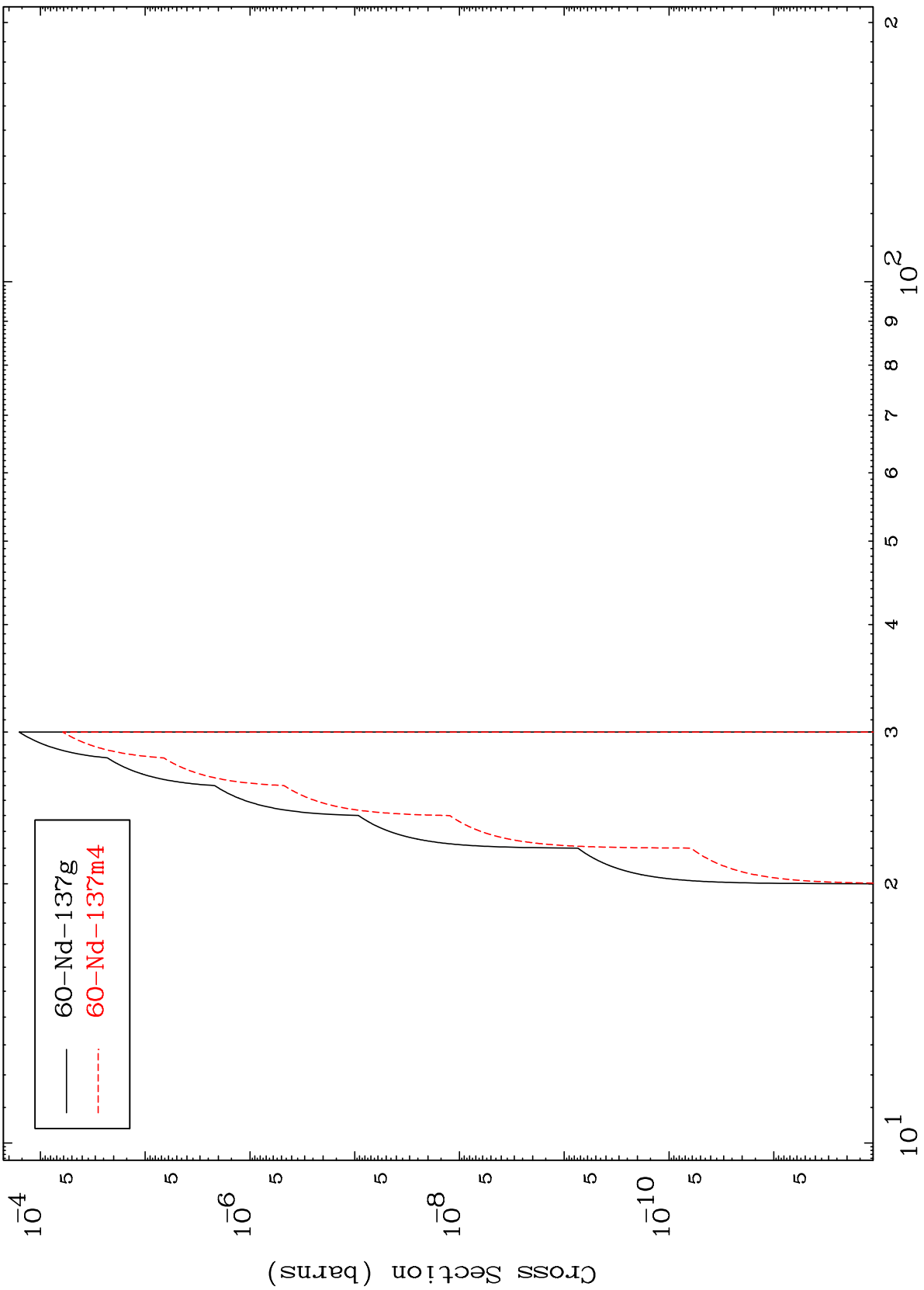
62-Sm-142

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(p,n') p α

62-Sm-142

Radionuclide Production Cross Section



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

Incident Energy (MeV)

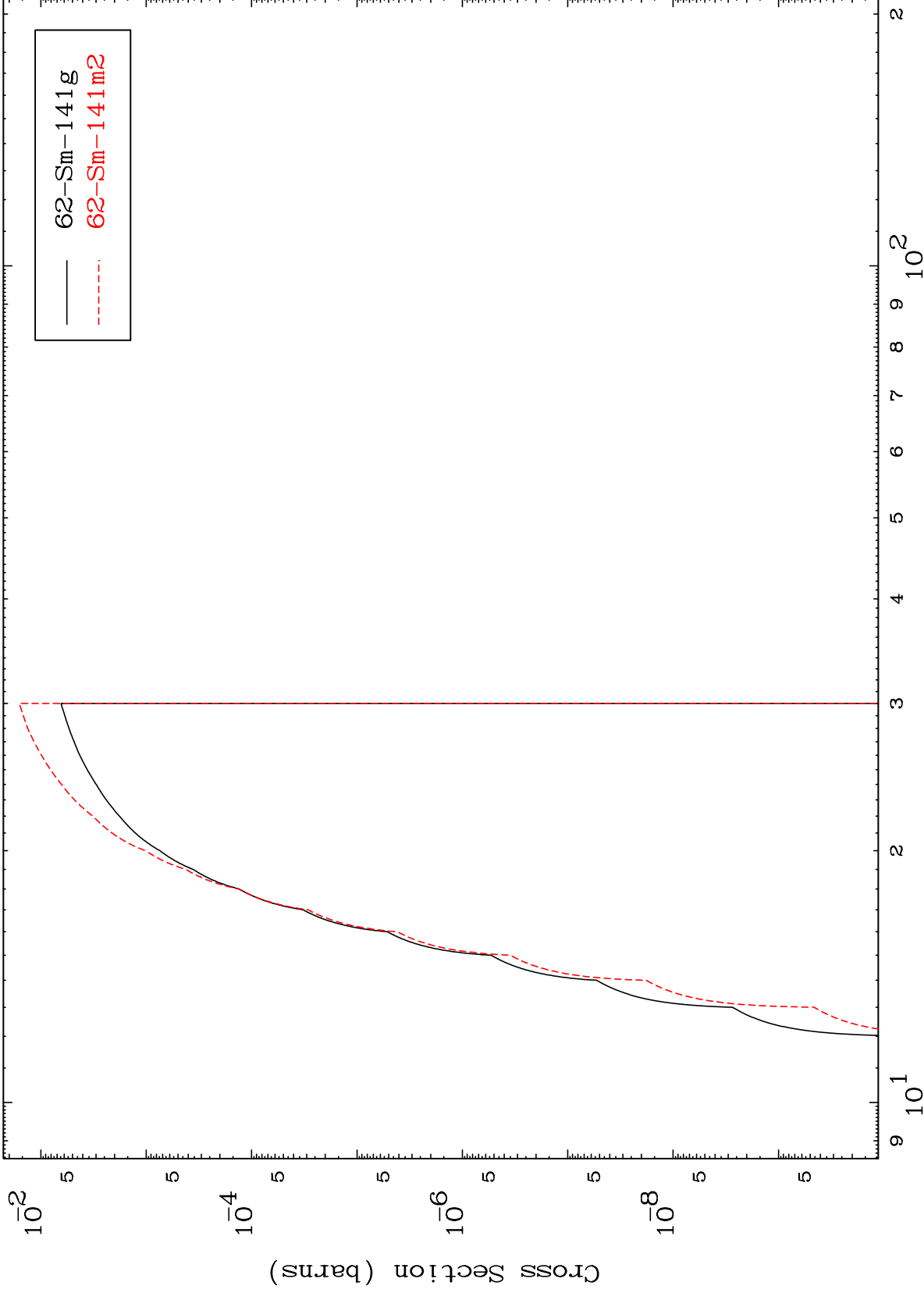
62-Sm-142

MAT 6219

(p,d)

62-Sm-142

Radionuclide Production Cross Section



Incident Energy (MeV)

62-Sm-142

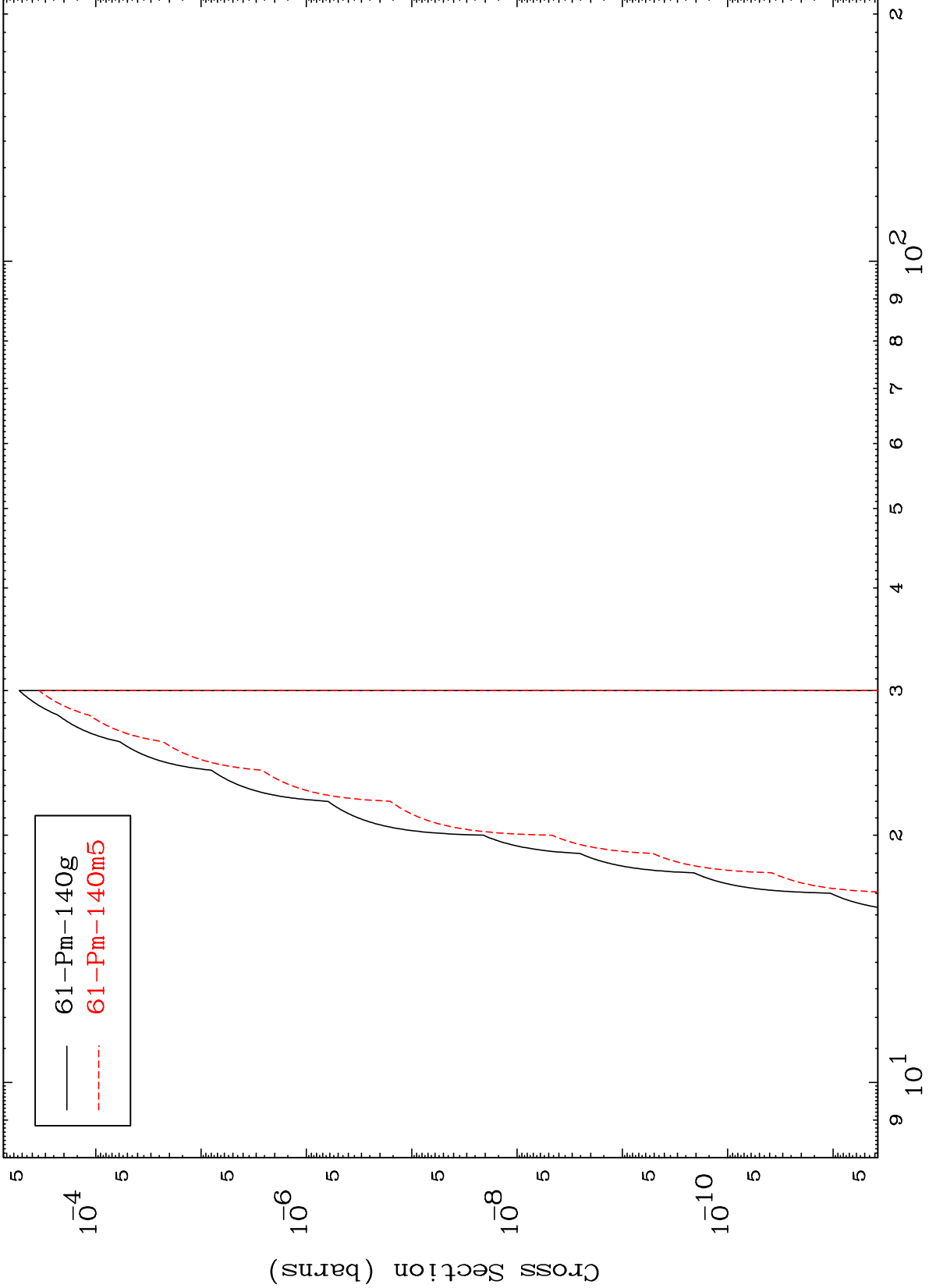
20

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(p,He-3)

62-Sm-142

Radionuclide Production Cross Section

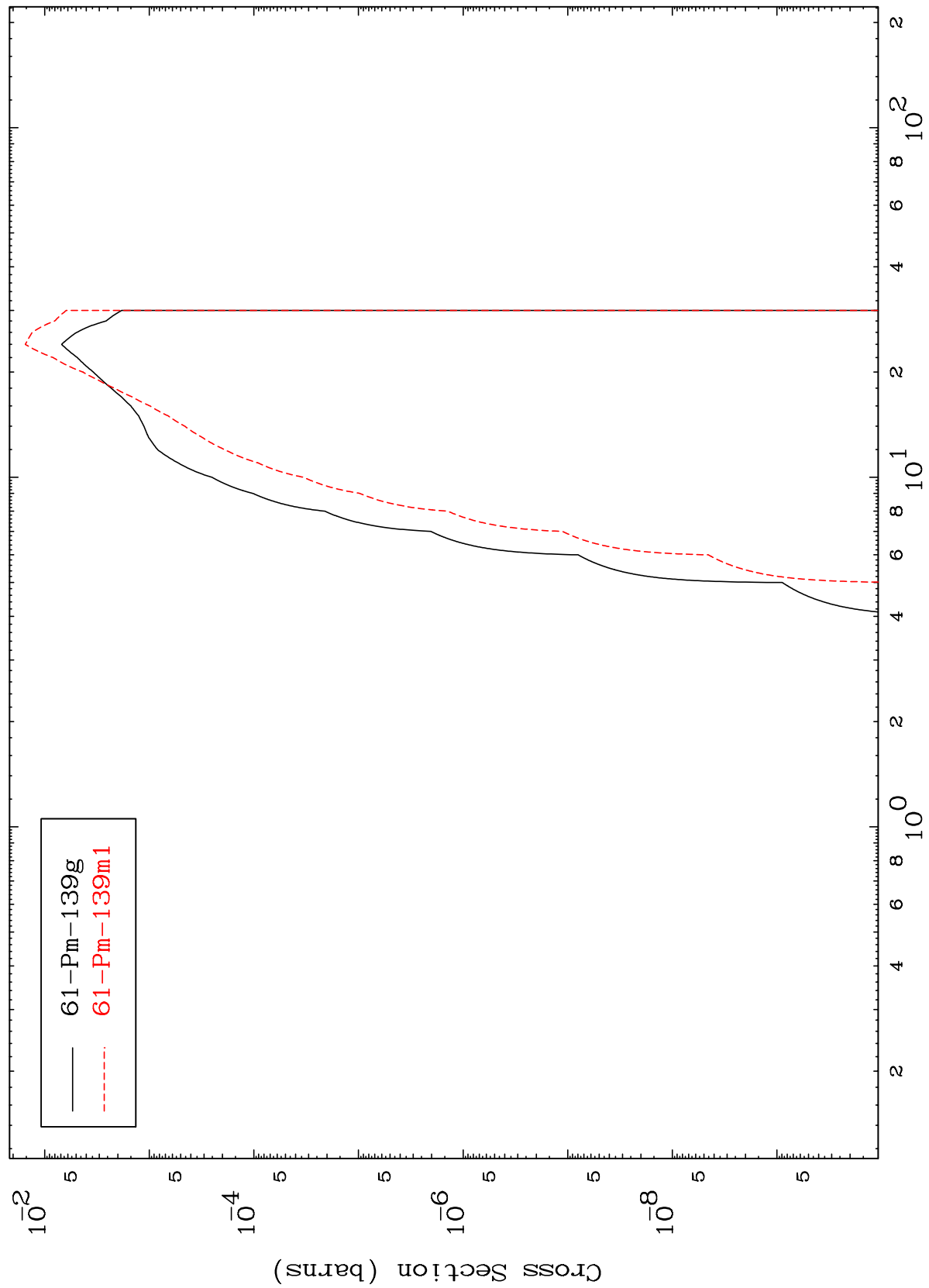


61-Pm-140g
61-Pm-140m5

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62-Sm-142

Radionuclide Production Cross Section
(p, α)



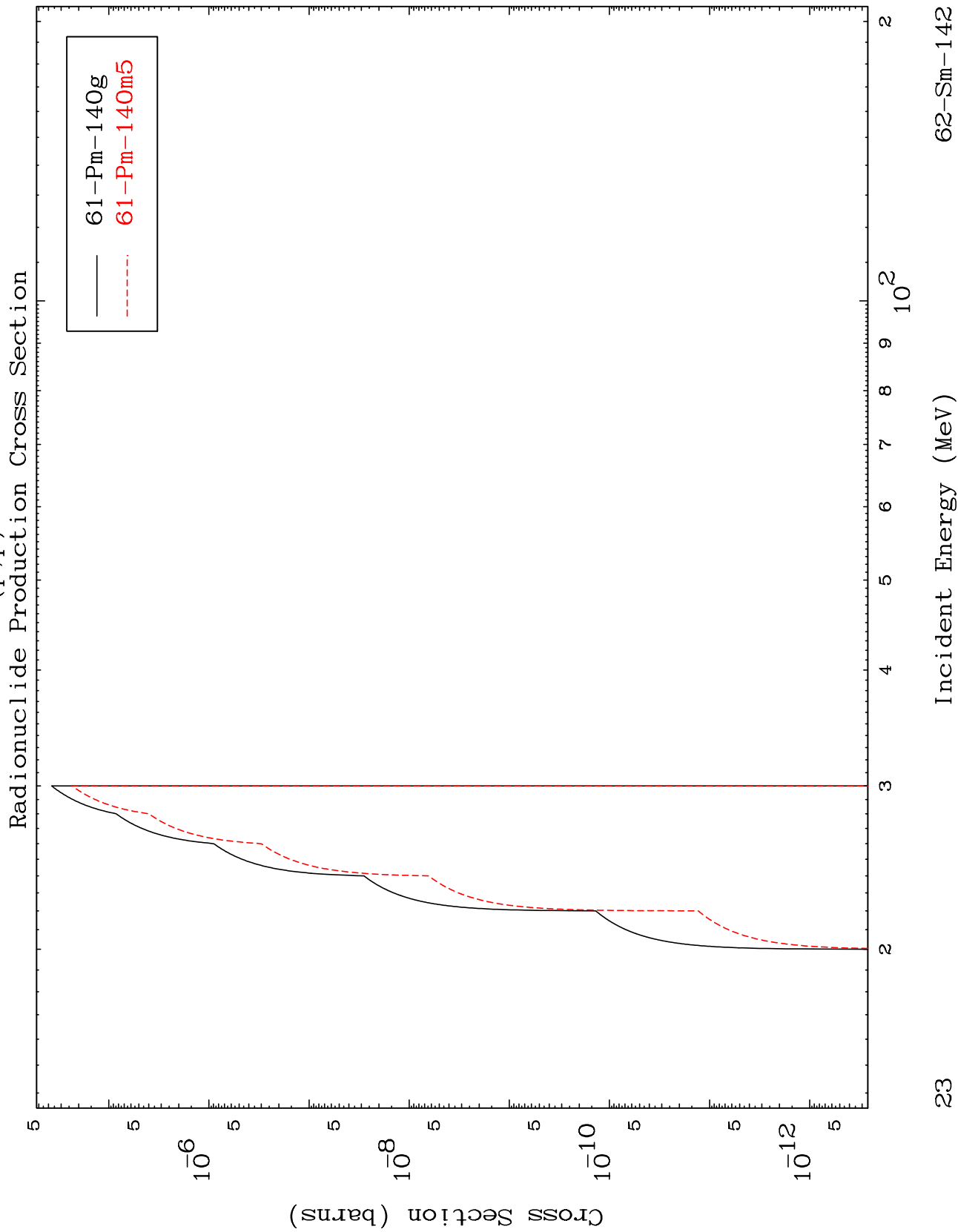
62-Sm-142

Incident Energy (MeV)

MAT 6219

(p,p) d

62-Sm-142



23

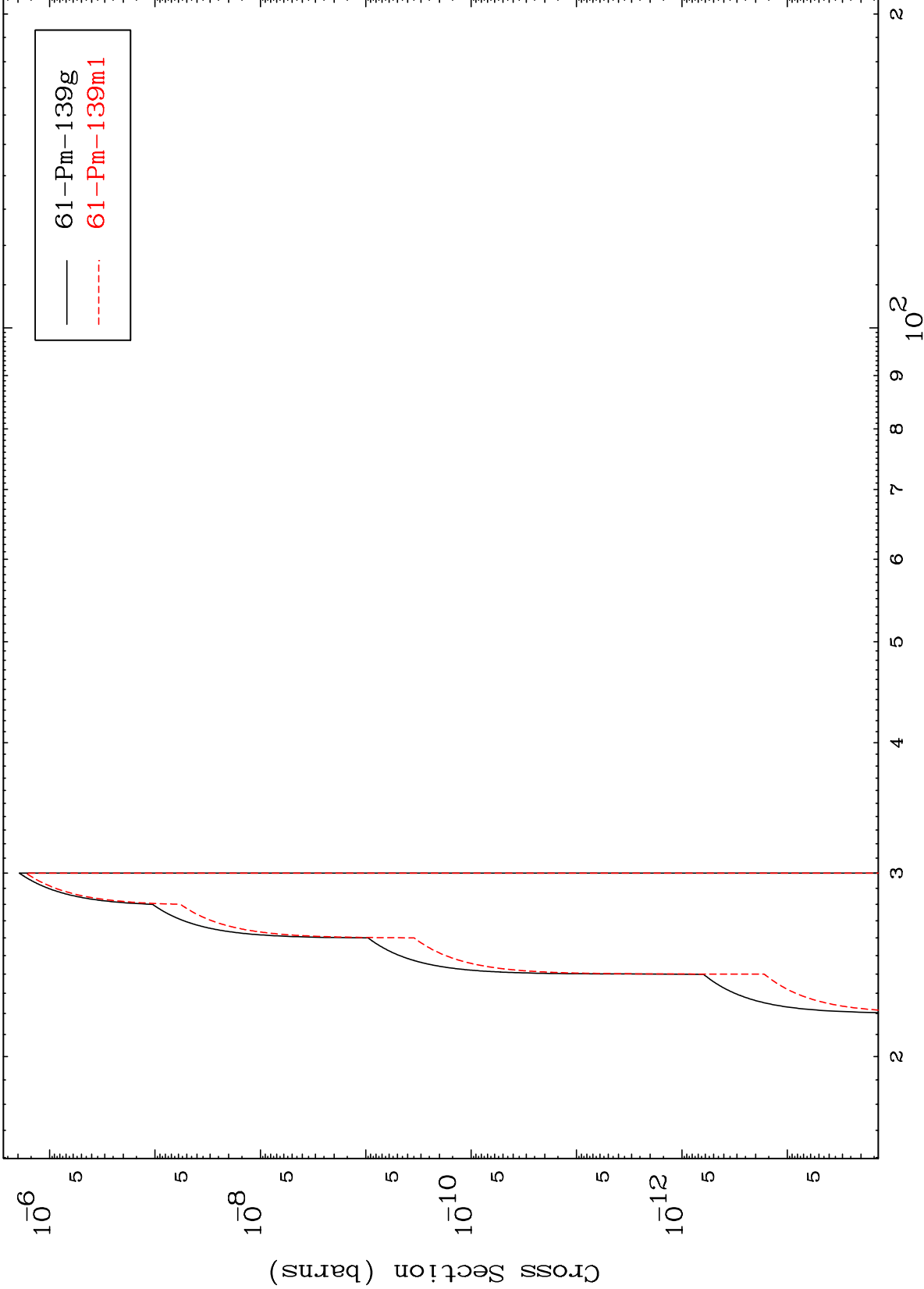
62-Sm-142

MAT 6219

(p,p) t

62-Sm-142

Radionuclide Production Cross Section



24

Incident Energy (MeV)

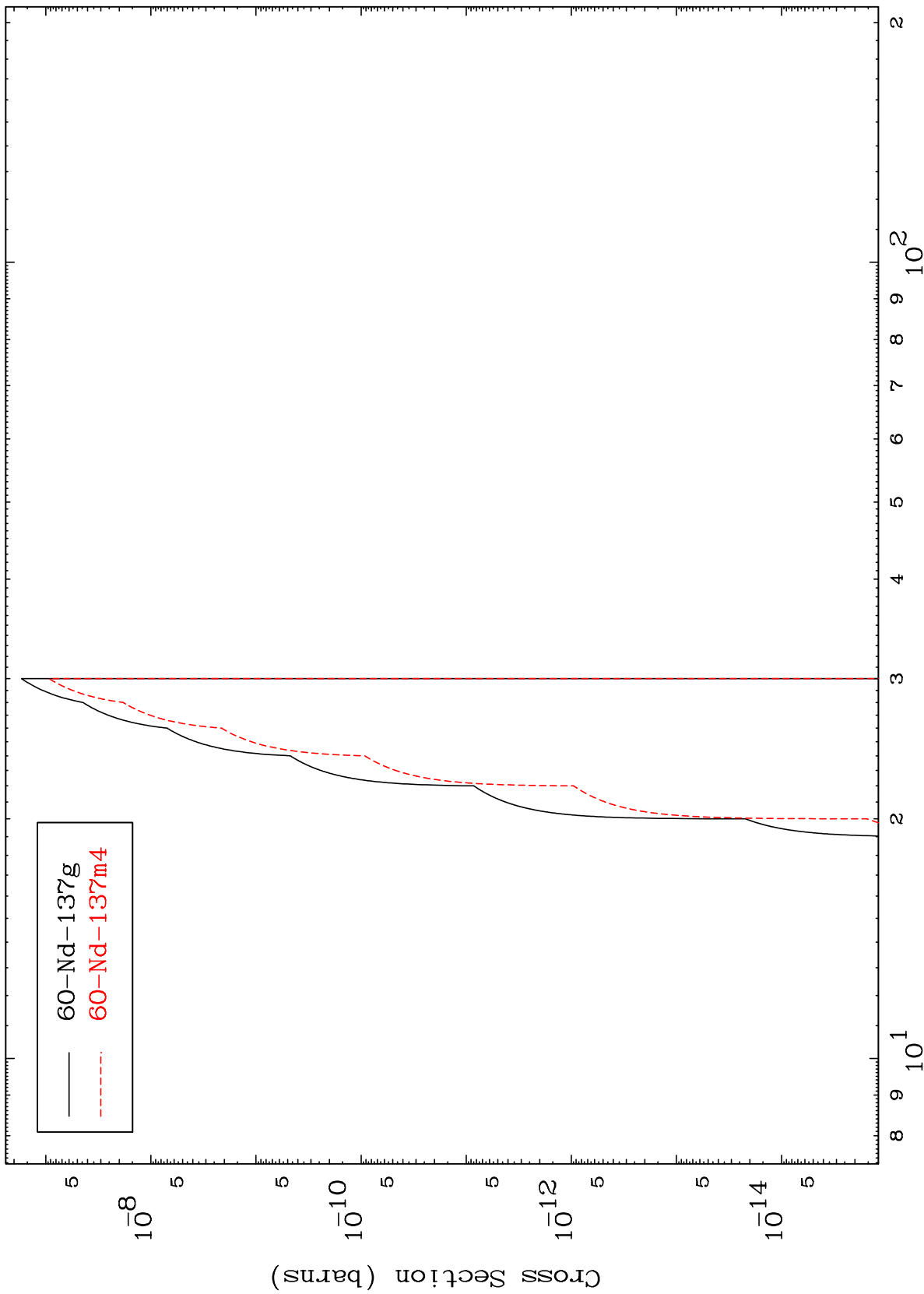
62-Sm-142

MAT 6219

(p,d) α

62-Sm-142

Radionuclide Production Cross Section



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

25

Incident Energy (MeV)

62-Sm-142