

Program EVALPLOT
(Version 2018-1)

by

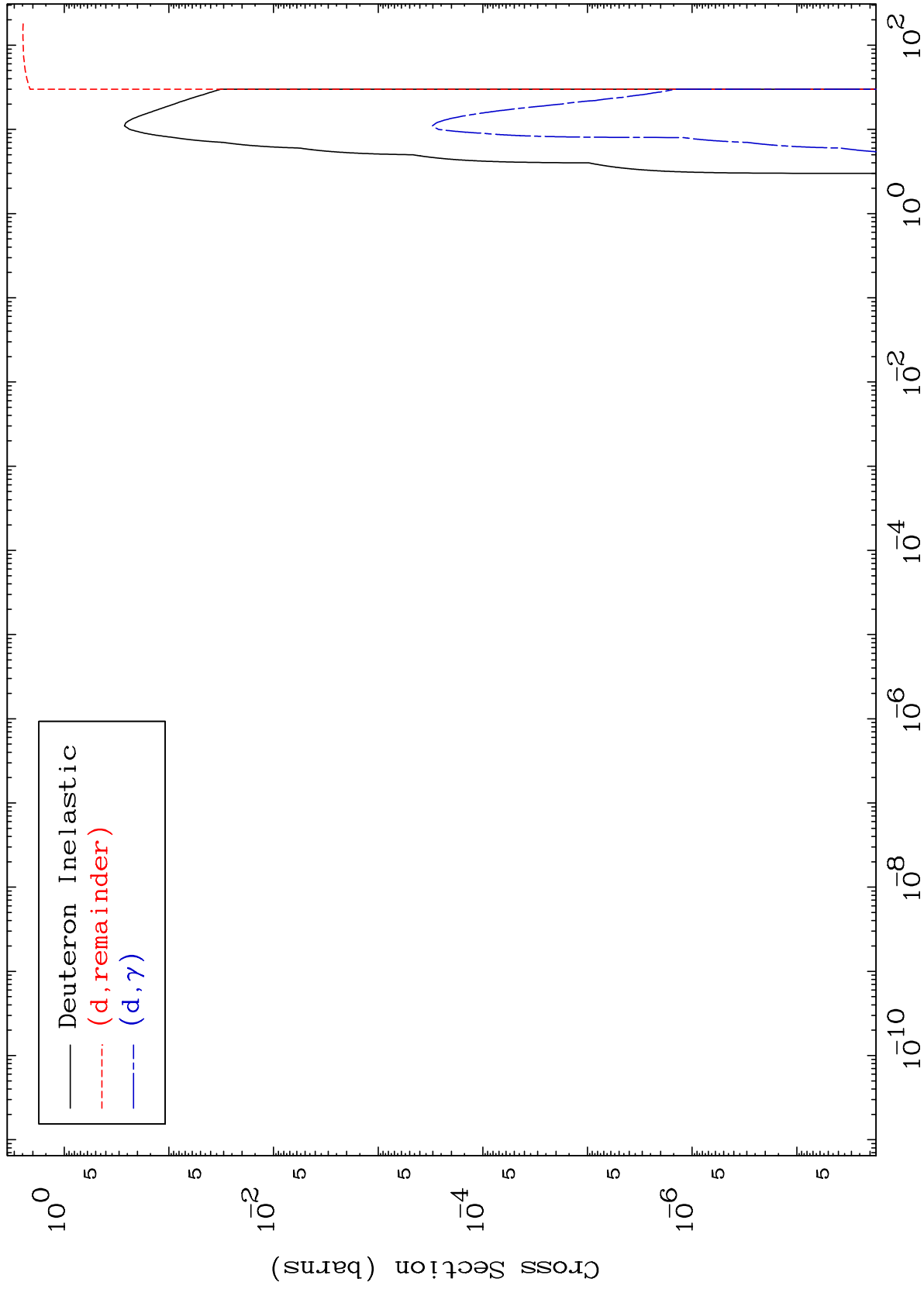
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(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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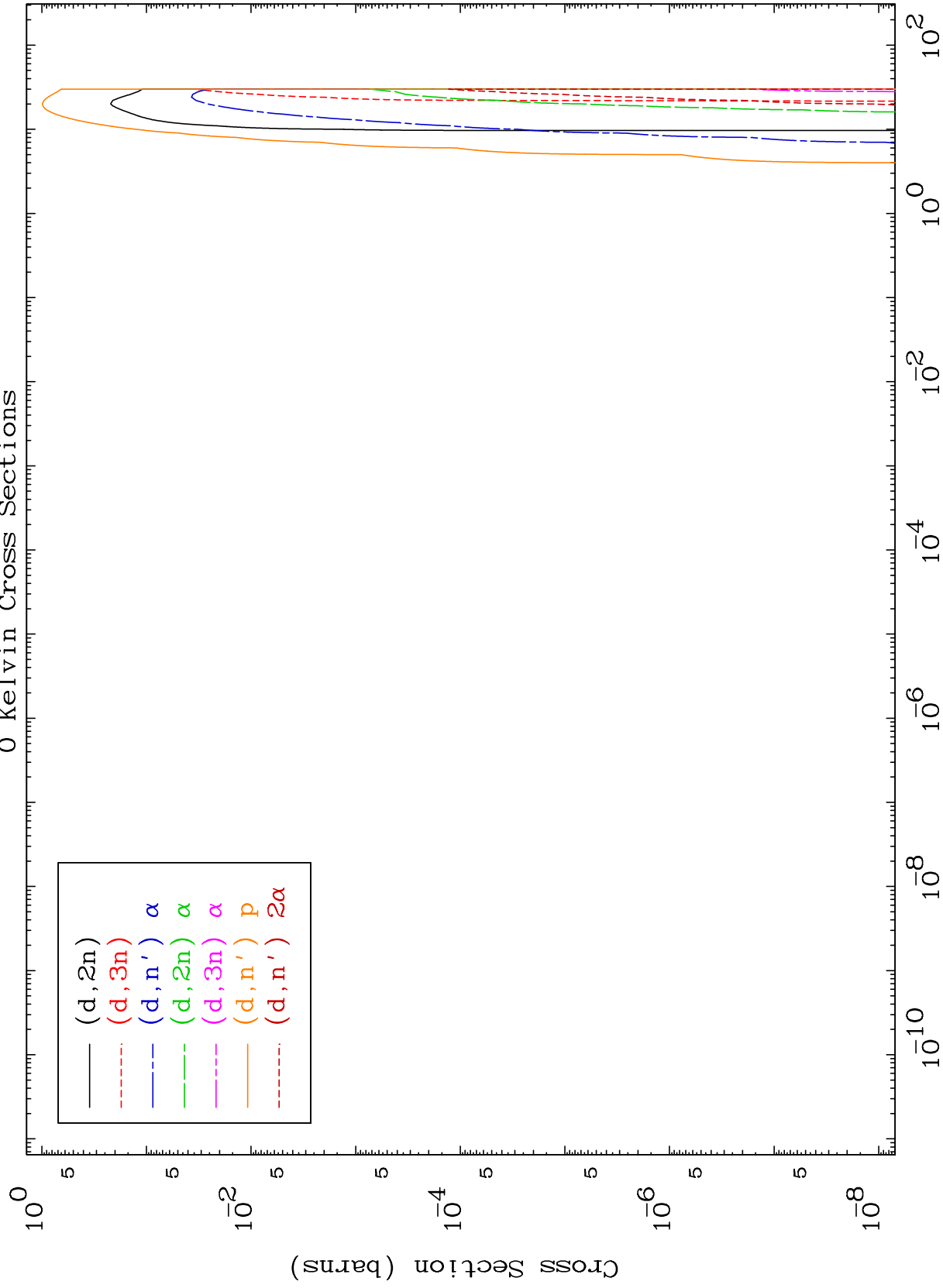
Press Mouse Button to Start



MAT 6211

Deuteron Neutron Production
0 Kelvin Cross Sections

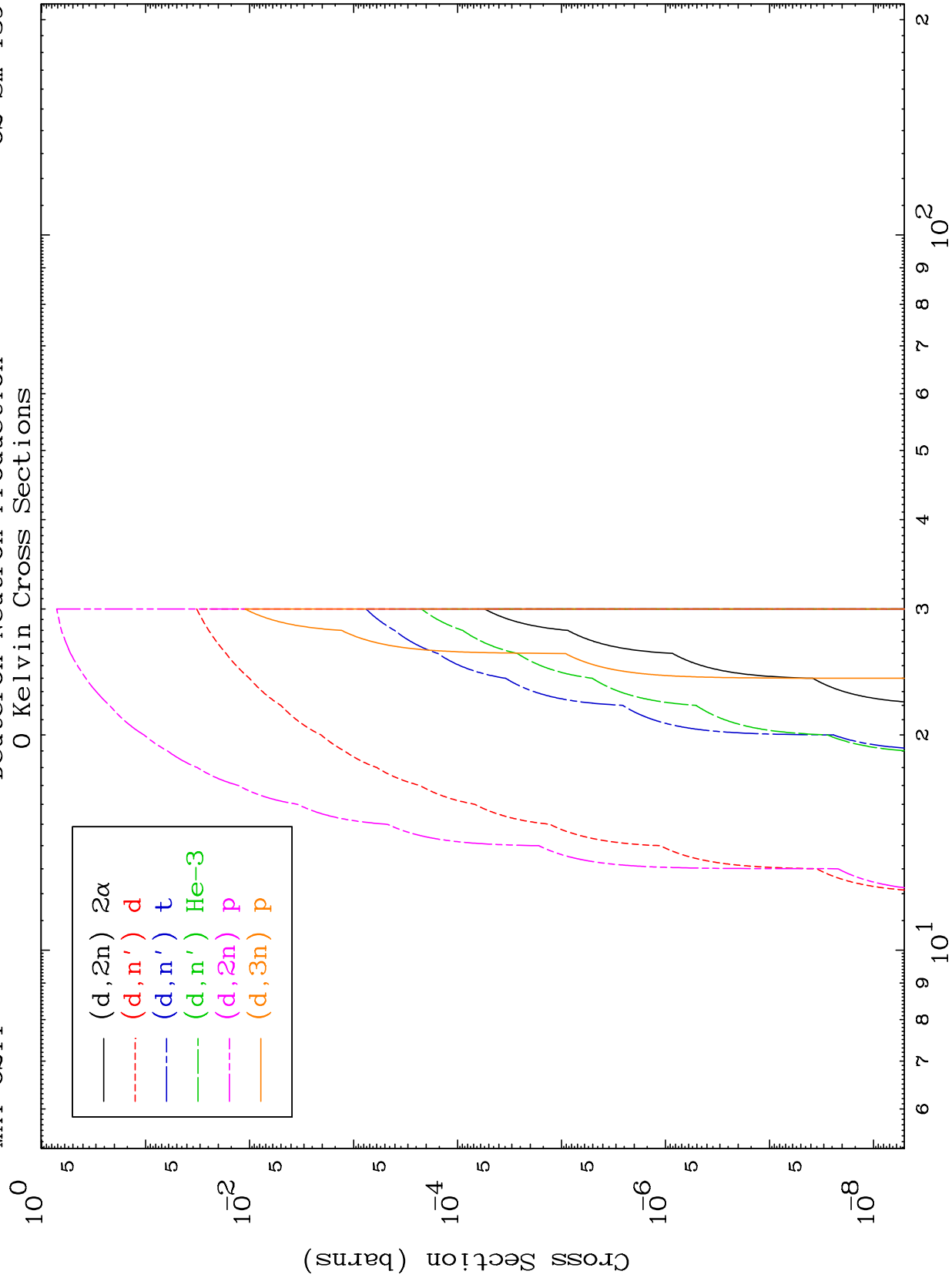
62-Sm-139



2

Incident Energy (MeV)

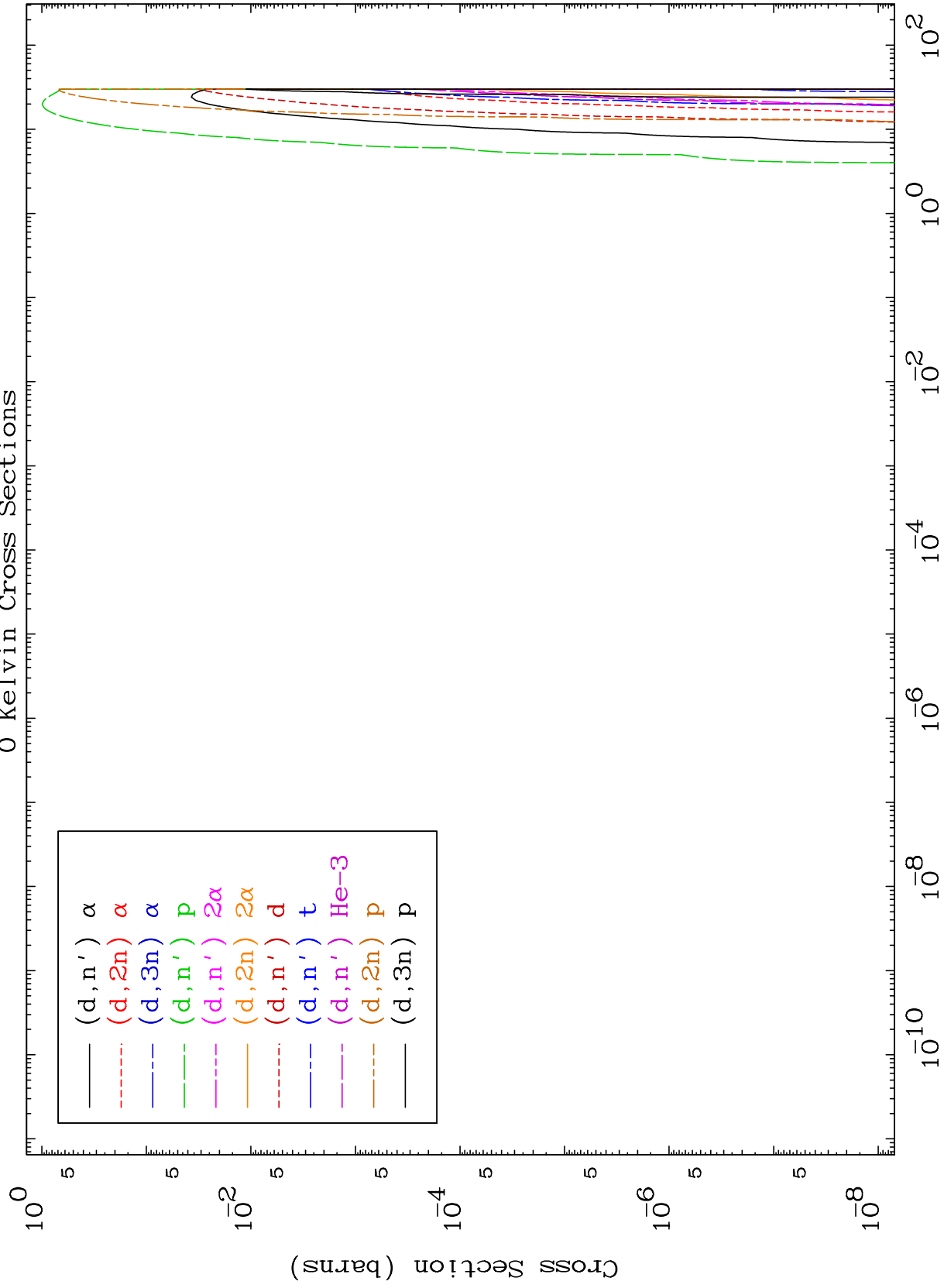
62-Sm-139



MAT 6211

Deuteron Charged Particle
0 Kelvin Cross Sections

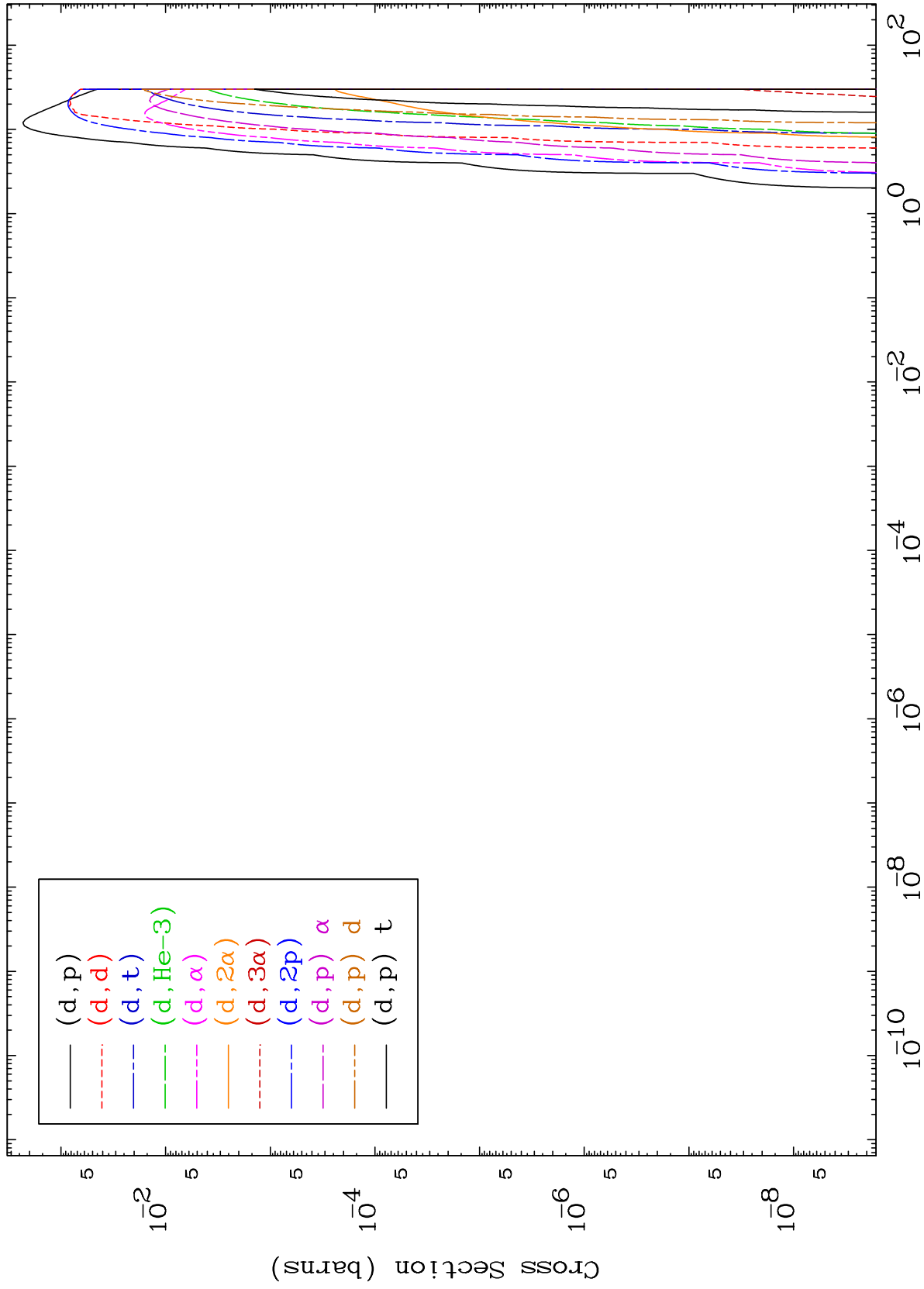
62-Sm-139



MAT 6211

Deuteron Charged Particle
0 Kelvin Cross Sections

62-Sm-139



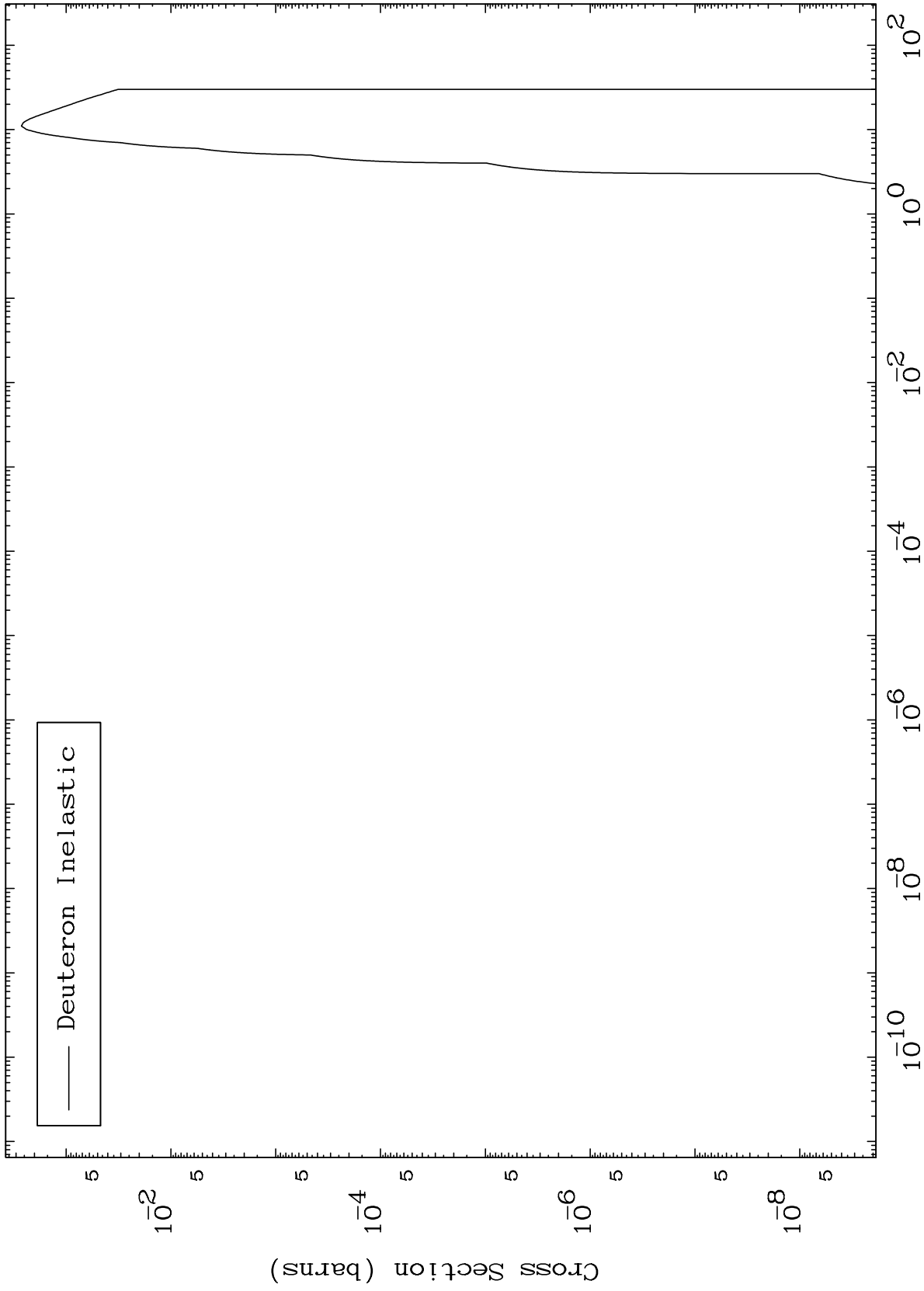
5

62-Sm-139

MAT 6211

(d,n') Level
0 Kelvin Cross Sections

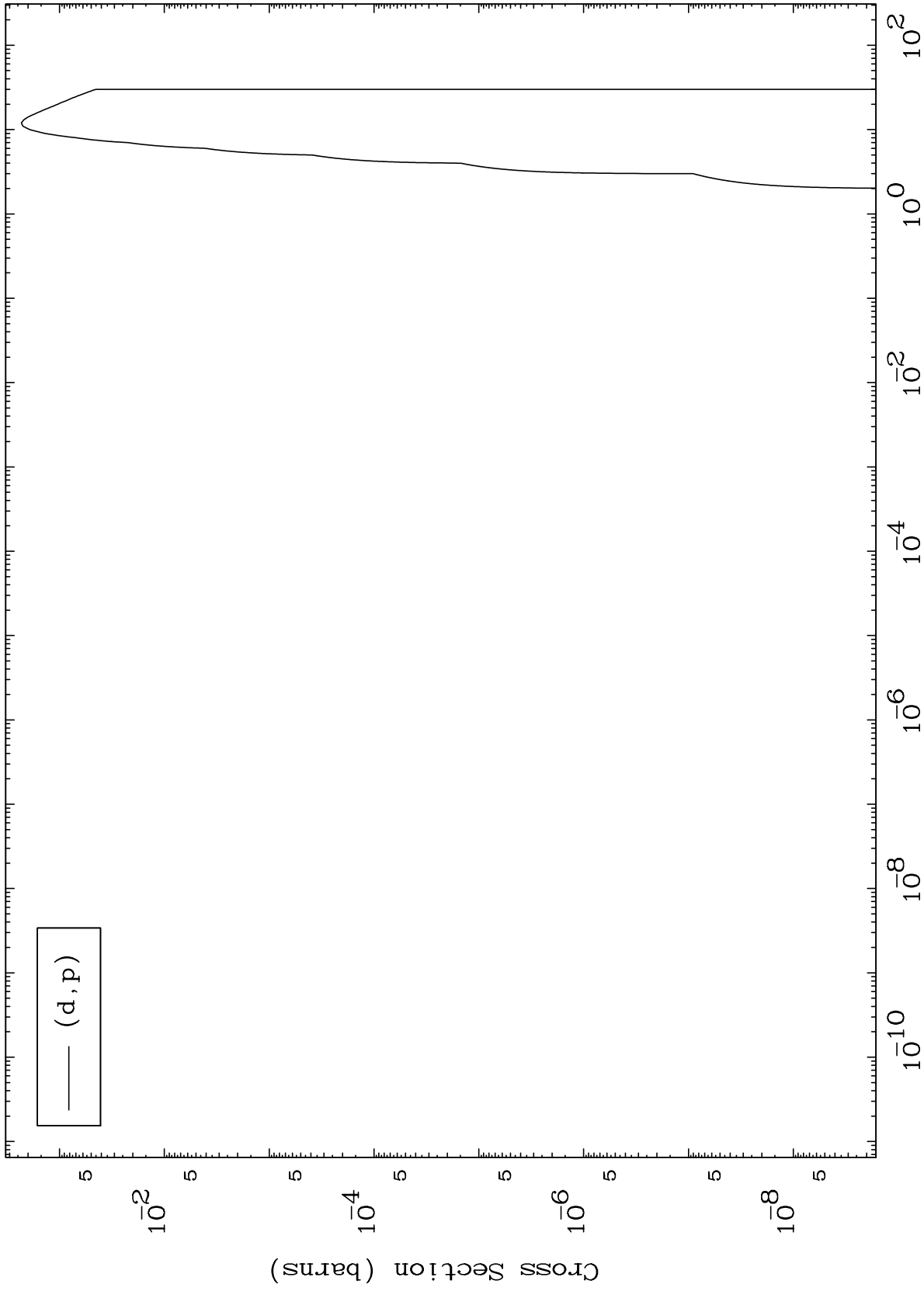
62-Sm-139



MAT 6211

(d,p) Levels
0 Kelvin Cross Sections

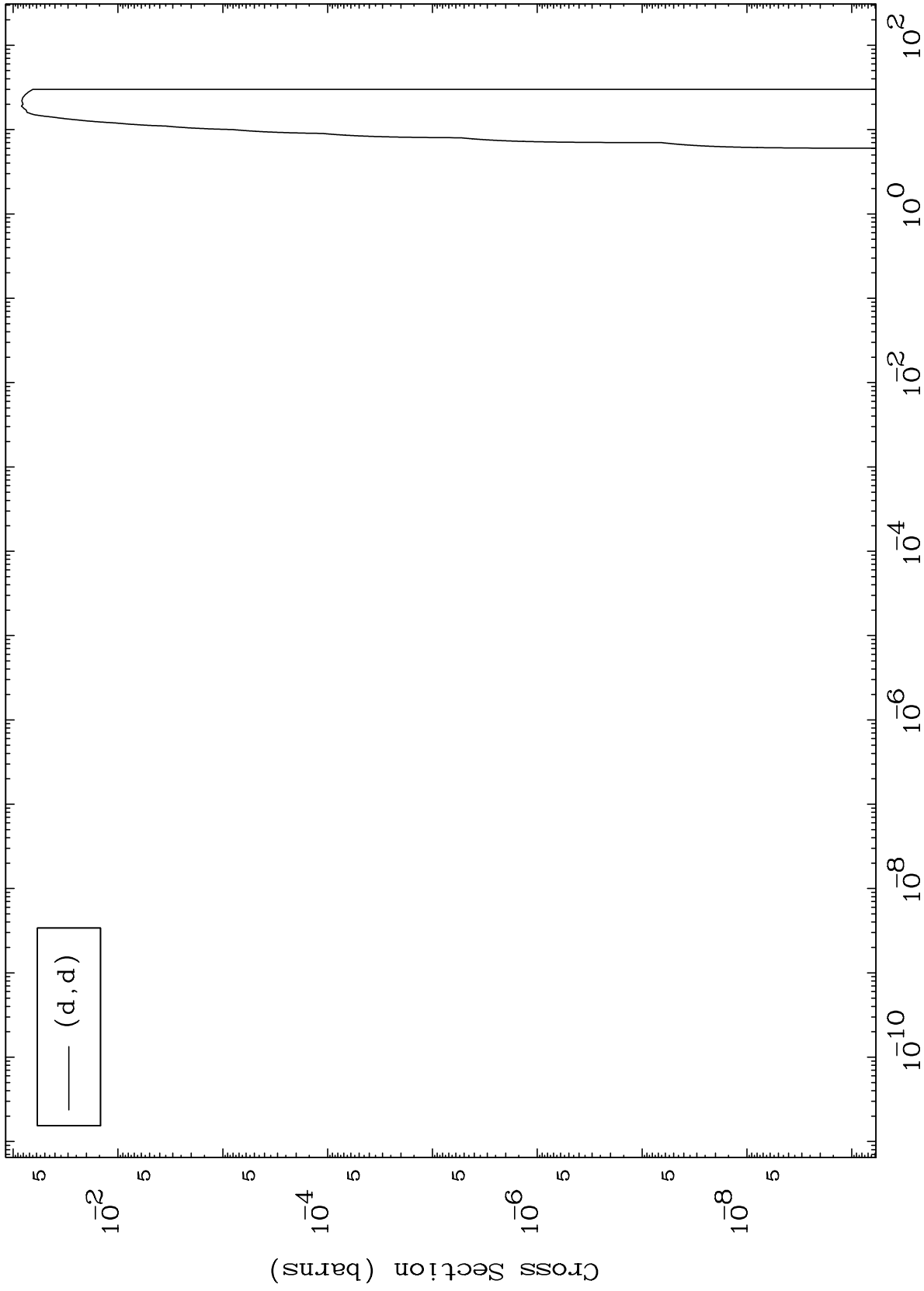
62-Sm-139



MAT 6211

(d,d) Levels
0 Kelvin Cross Sections

62-Sm-139



8

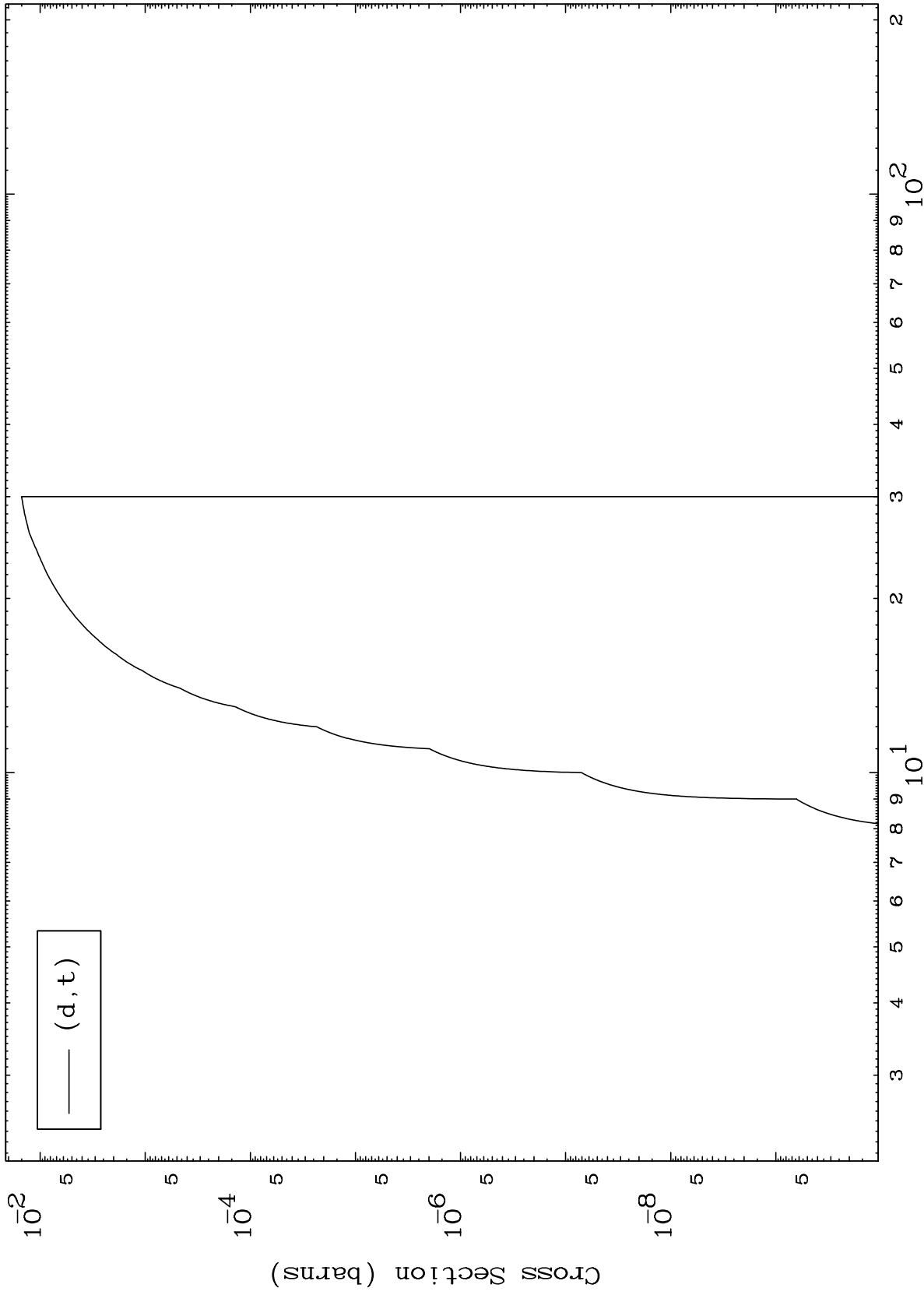
Incident Energy (MeV)

62-Sm-139

MAT 6211

(d,t) Levels
0 Kelvin Cross Sections

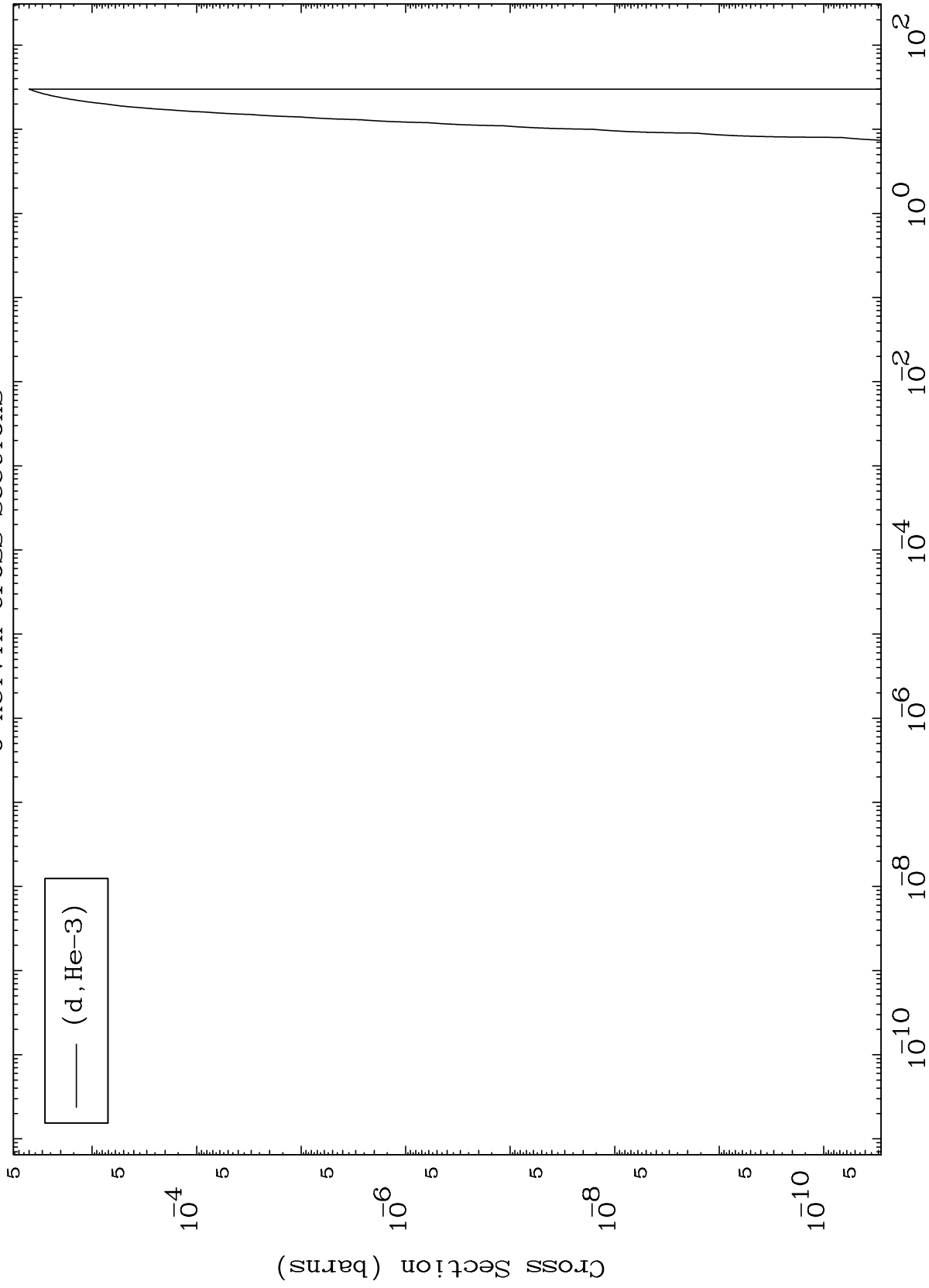
62-Sm-139



MAT 6211

(d,He3) Levels
0 Kelvin Cross Sections

62-Sm-139



10

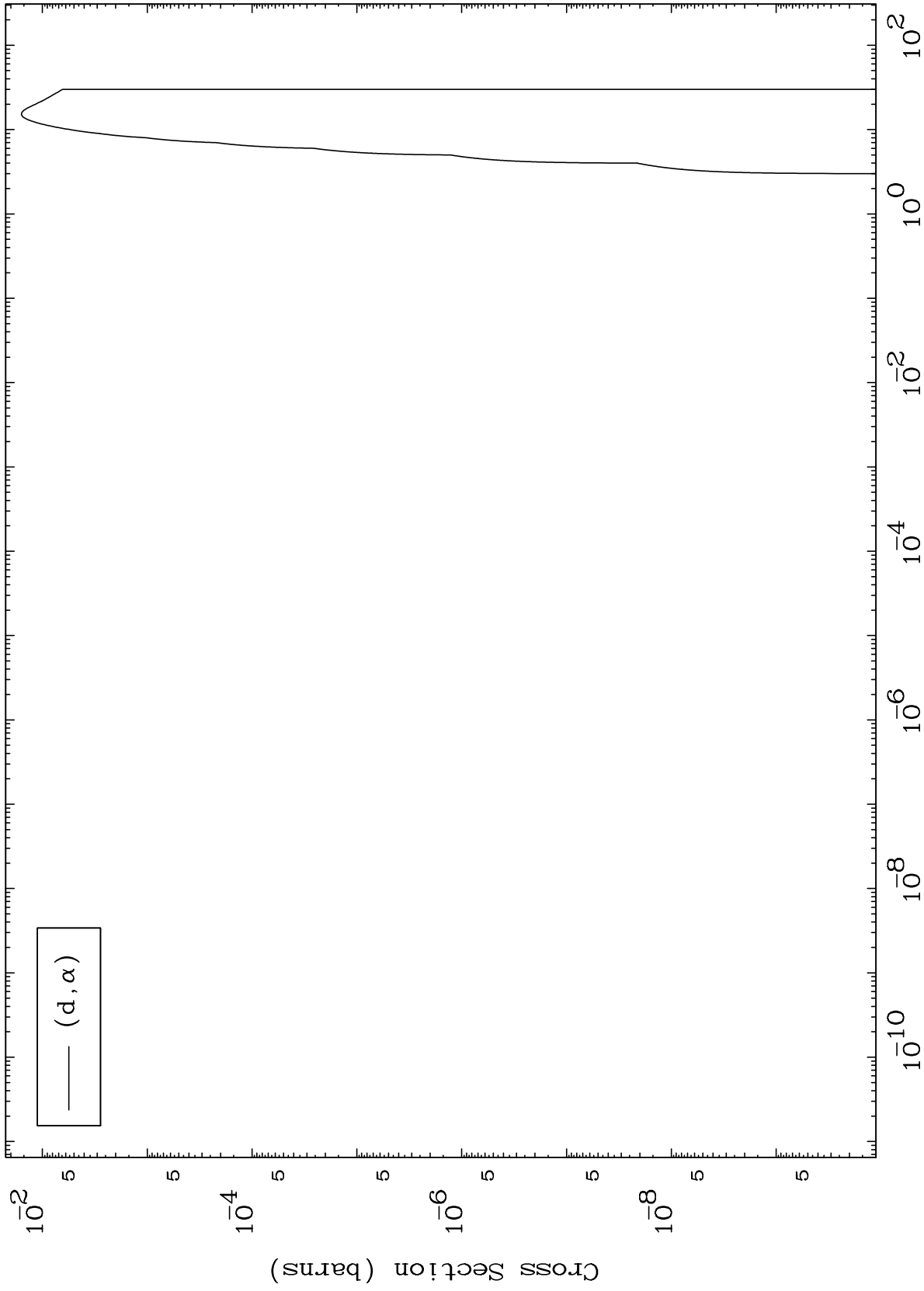
Incident Energy (MeV)

62-Sm-139

MAT 6211

(d, α) Levels
0 Kelvin Cross Sections

62-Sm-139



11

Incident Energy (MeV)

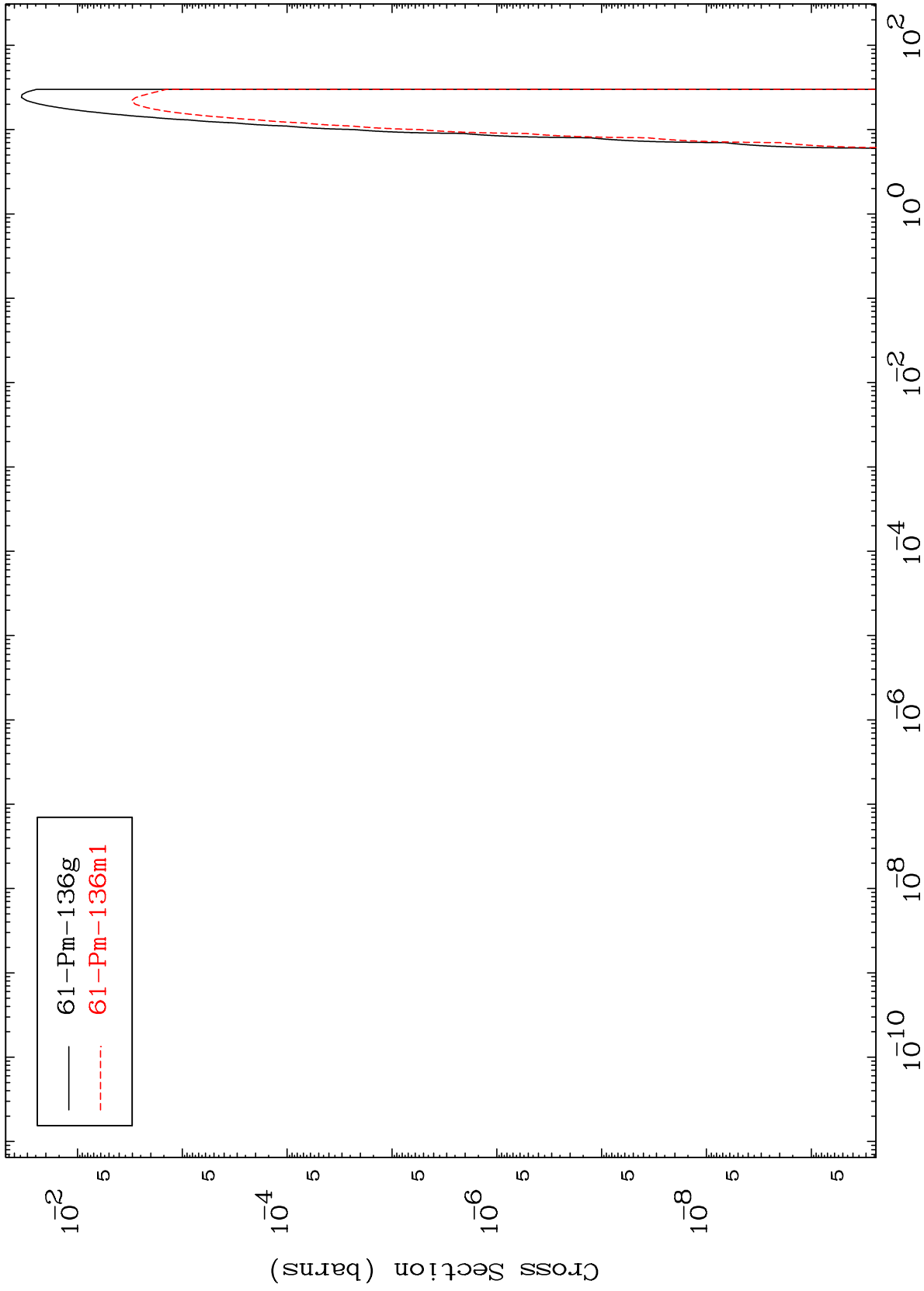
62-Sm-139

MAT 6211

(d,n') α

62-Sm-139

Radionuclide Production Cross Section

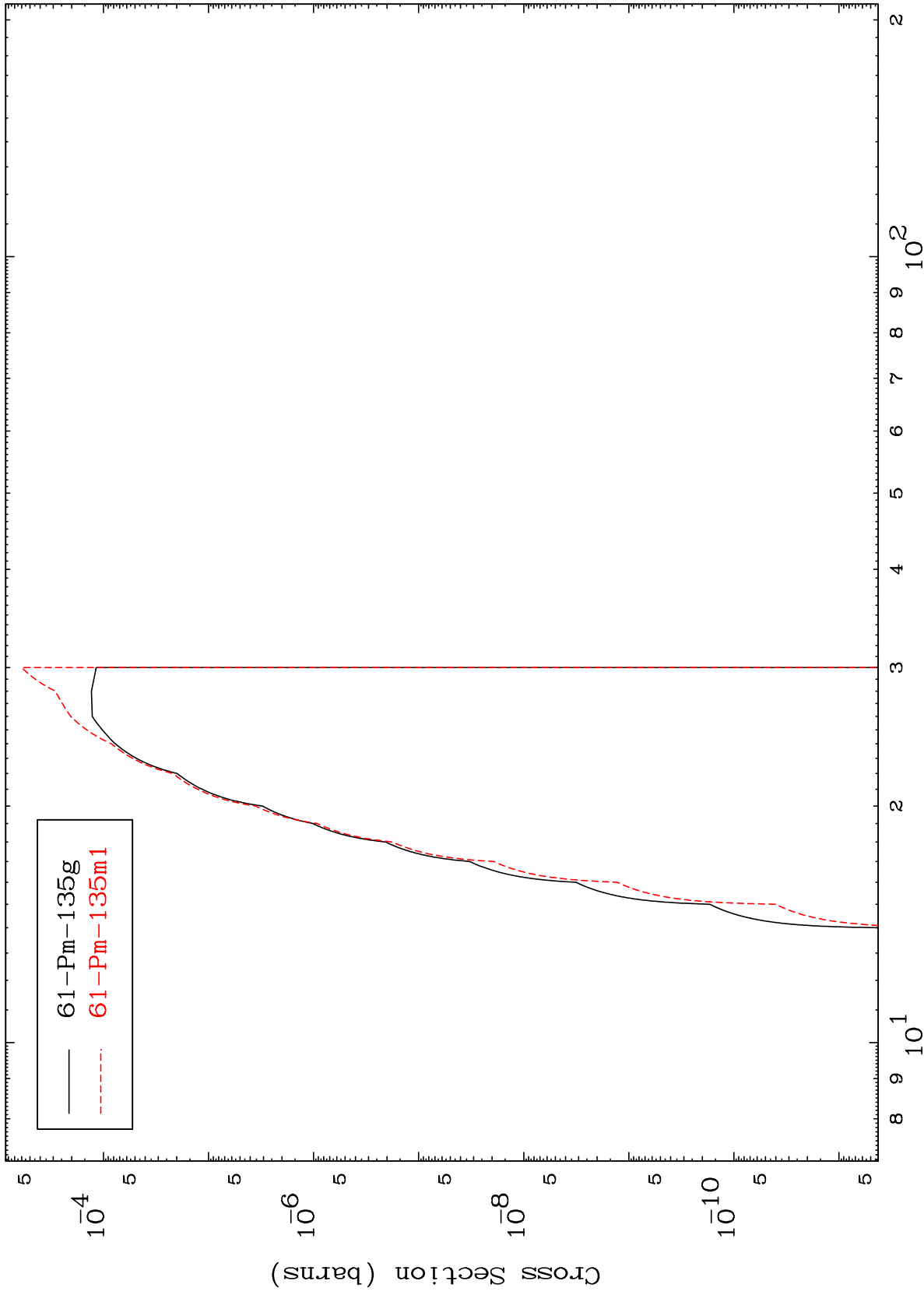


MAT 6211

(d,2n) α

62-Sm-139

Radionuclide Production Cross Section



13

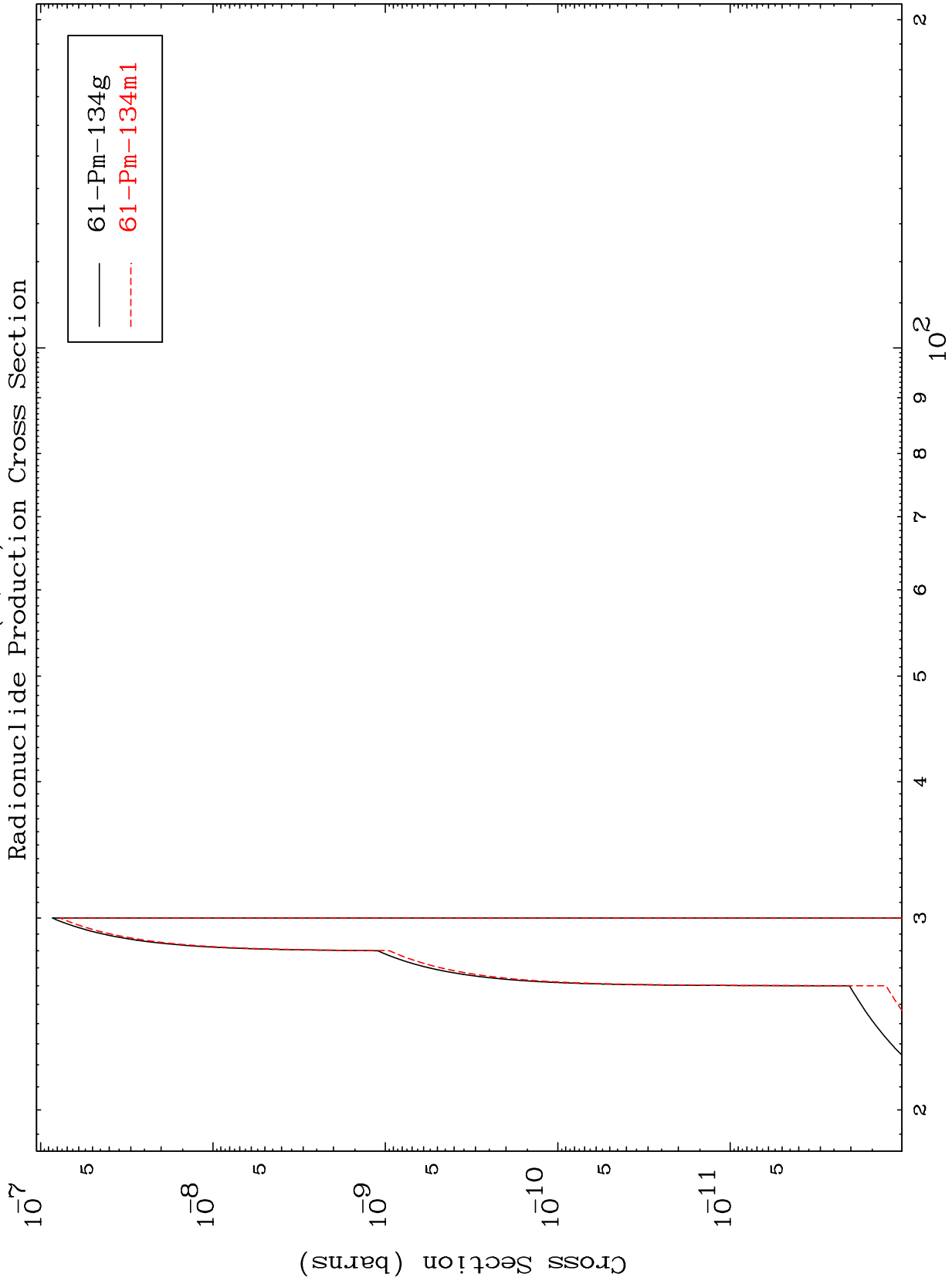
Incident Energy (MeV)

62-Sm-139

MAT 6211

(d,3n) α

62-Sm-139



62-Sm-139

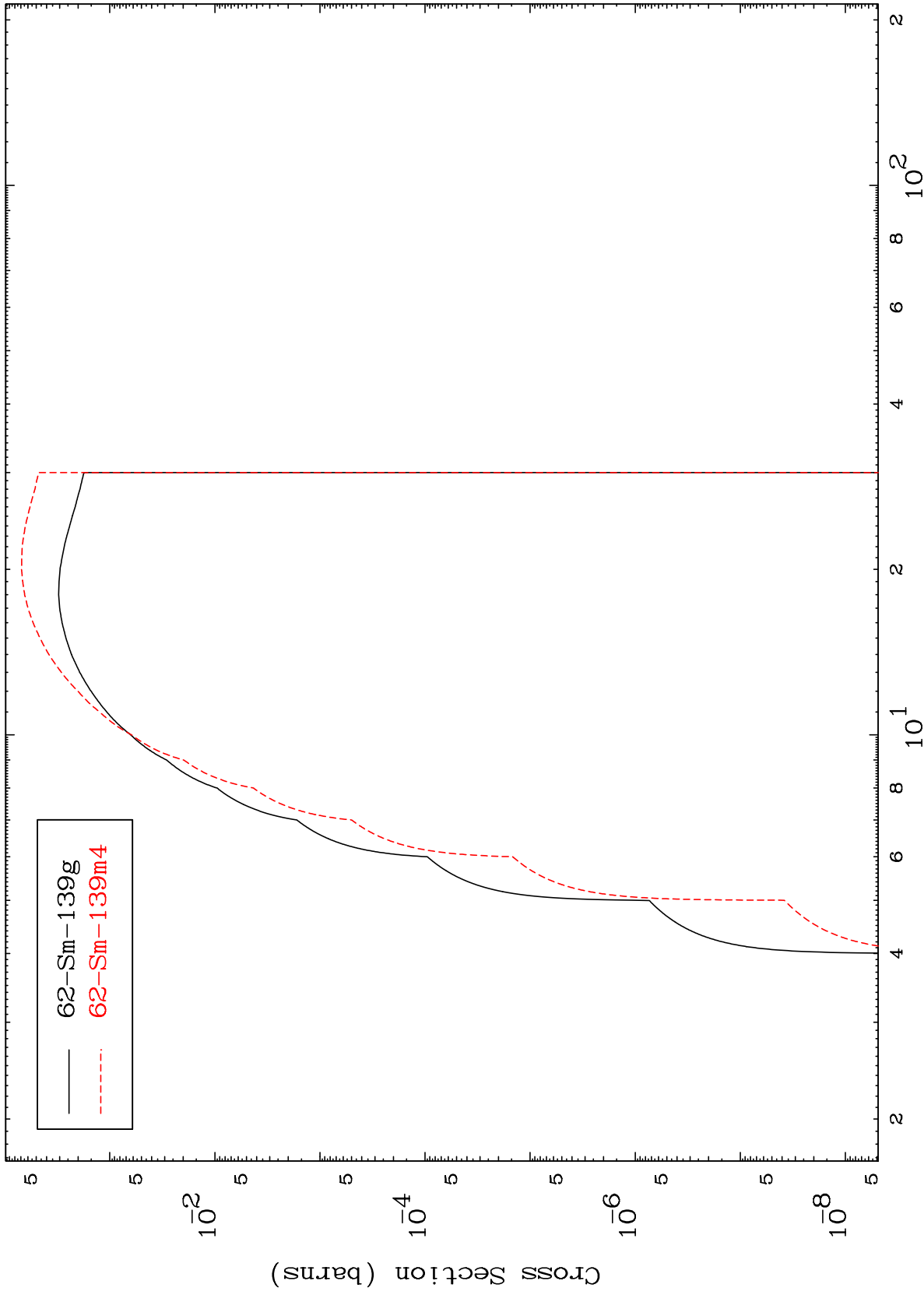
14

MAT 6211

(d,n') p

⁶²Sm-139

Radionuclide Production Cross Section



15

Incident Energy (MeV)

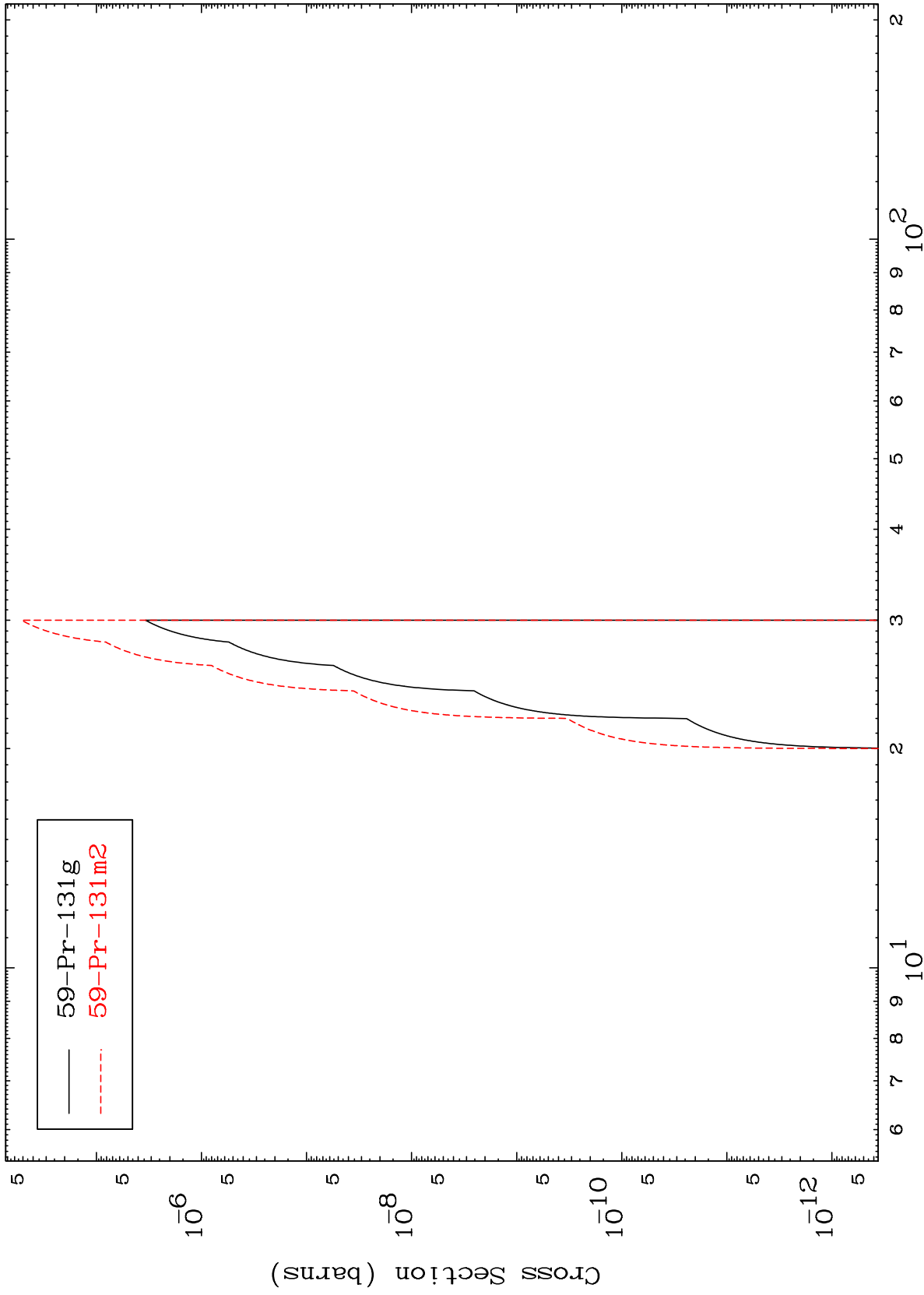
⁶²Sm-139

MAT 6211

$(d, 2n) 2\alpha$

$^{62}\text{Sm}-139$

Radionuclide Production Cross Section



— 59-Pr-131g
- - - 59-Pr-131m2

16

Incident Energy (MeV)

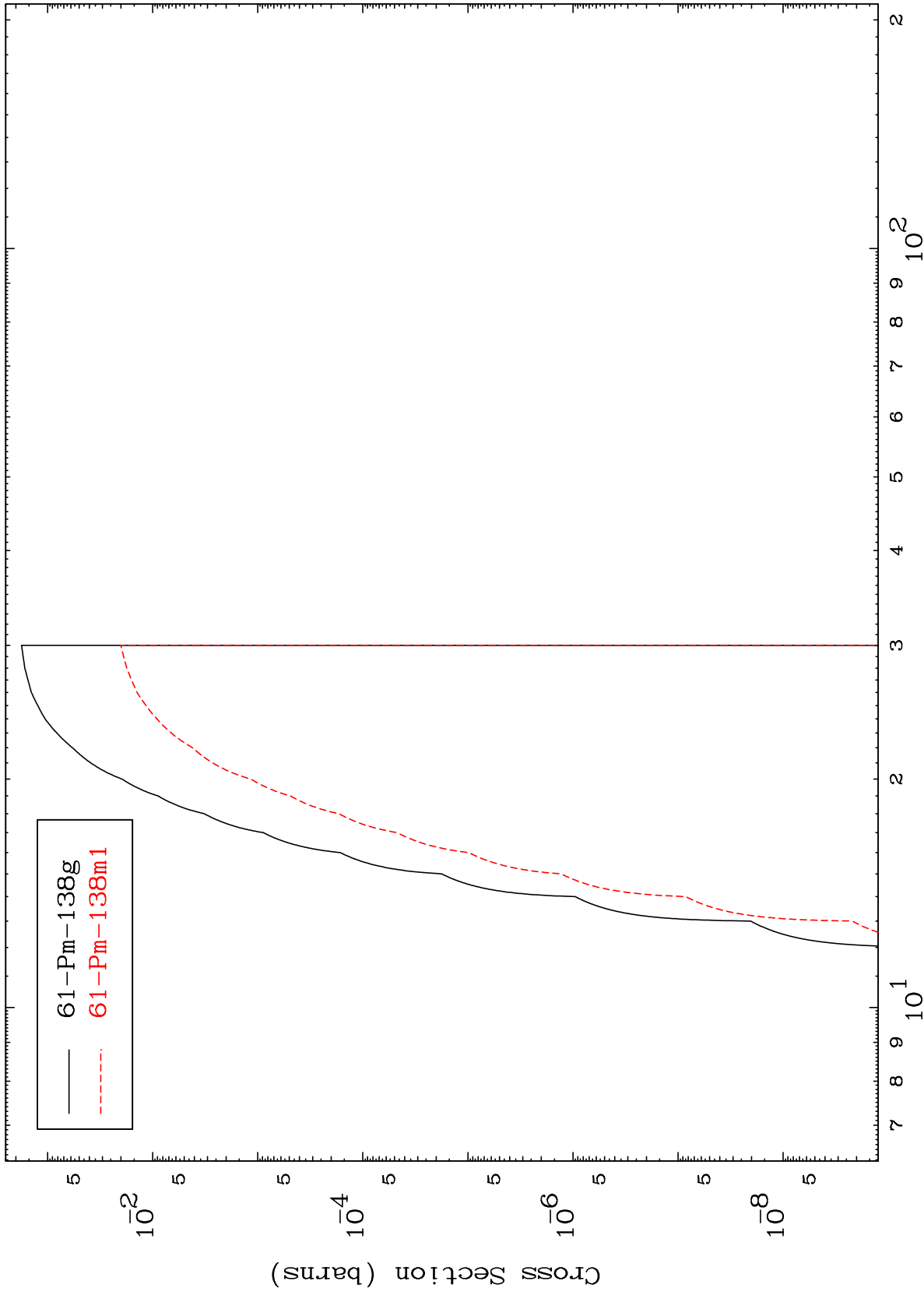
$^{62}\text{Sm}-139$

MAT 6211

(d,2n) p

62-Sm-139

Radionuclide Production Cross Section



17

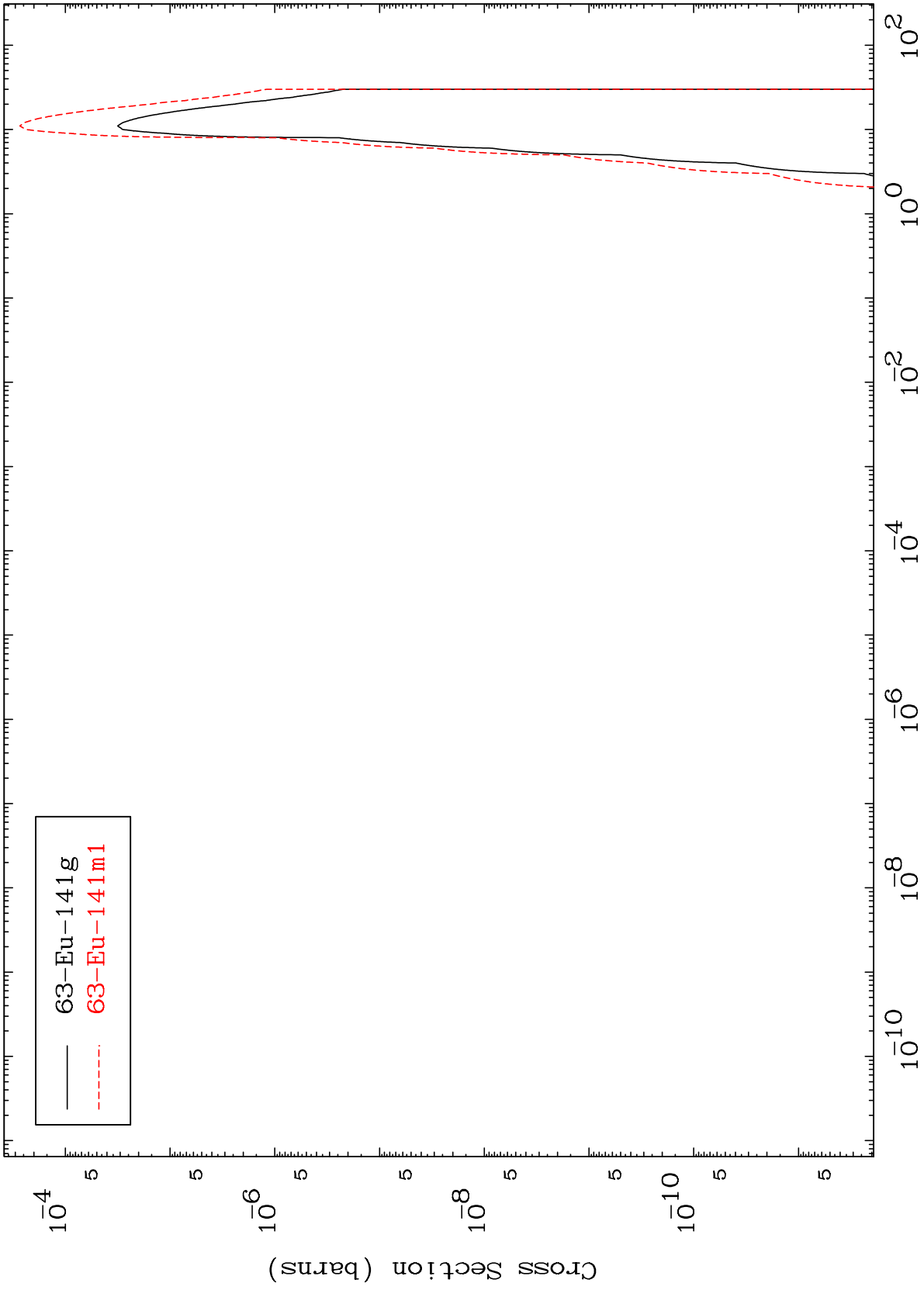
Incident Energy (MeV)

62-Sm-139

MAT 6211

(d, γ)
Radionuclide Production Cross Section

62-Sm-139

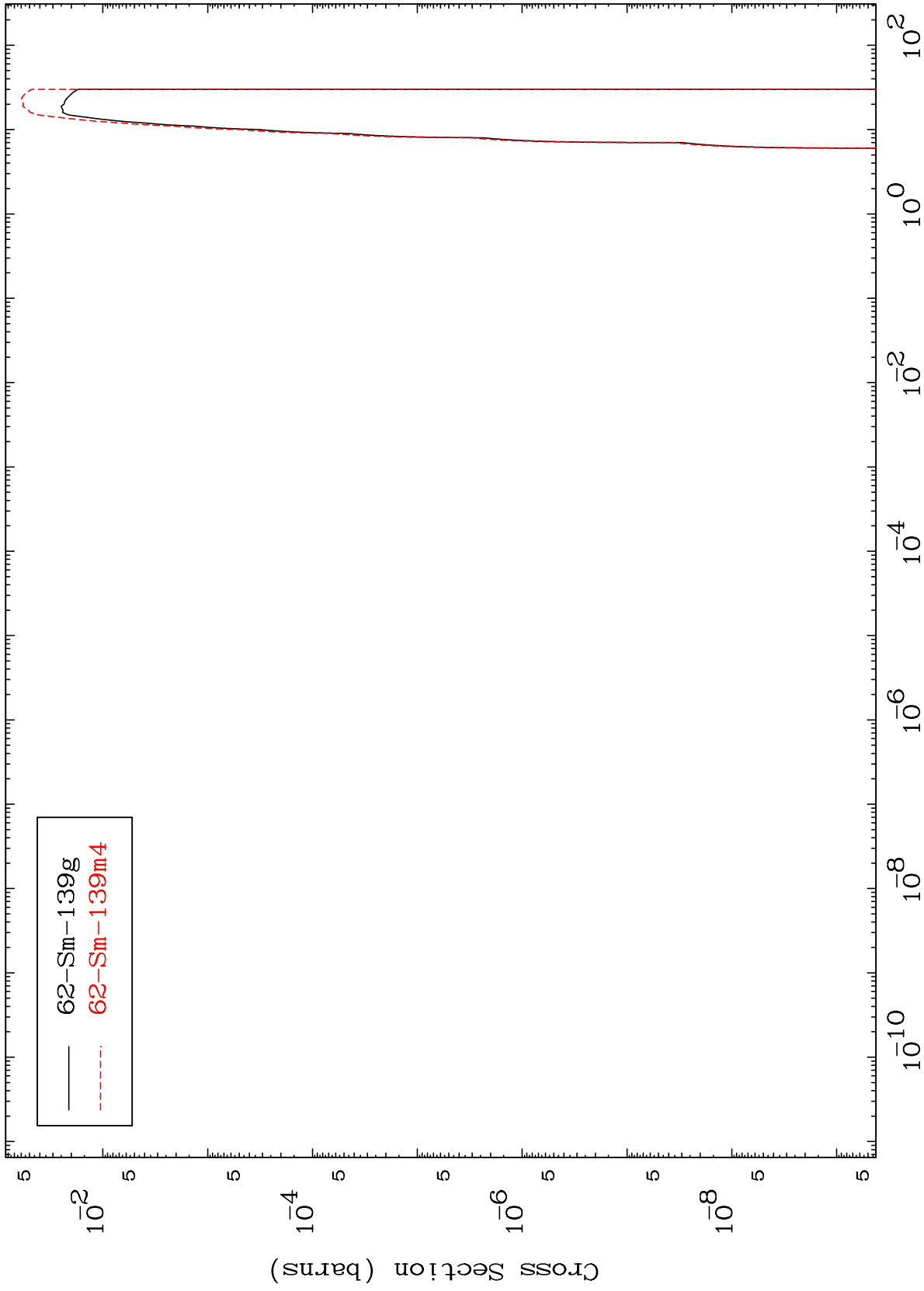


MAT 6211

(d,d)

62-Sm-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

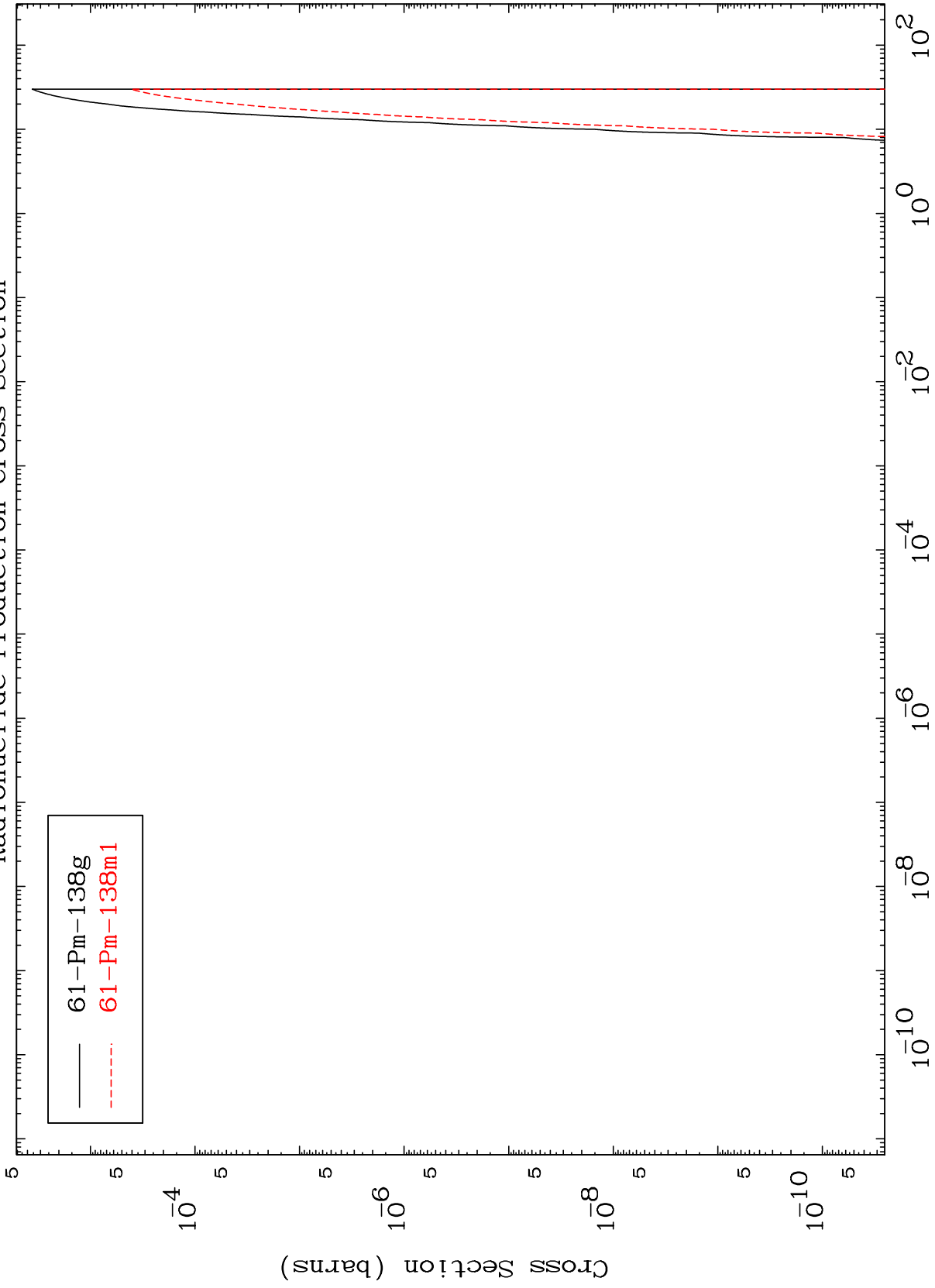
62-Sm-139

MAT 6211

(d,He-3)

62-Sm-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

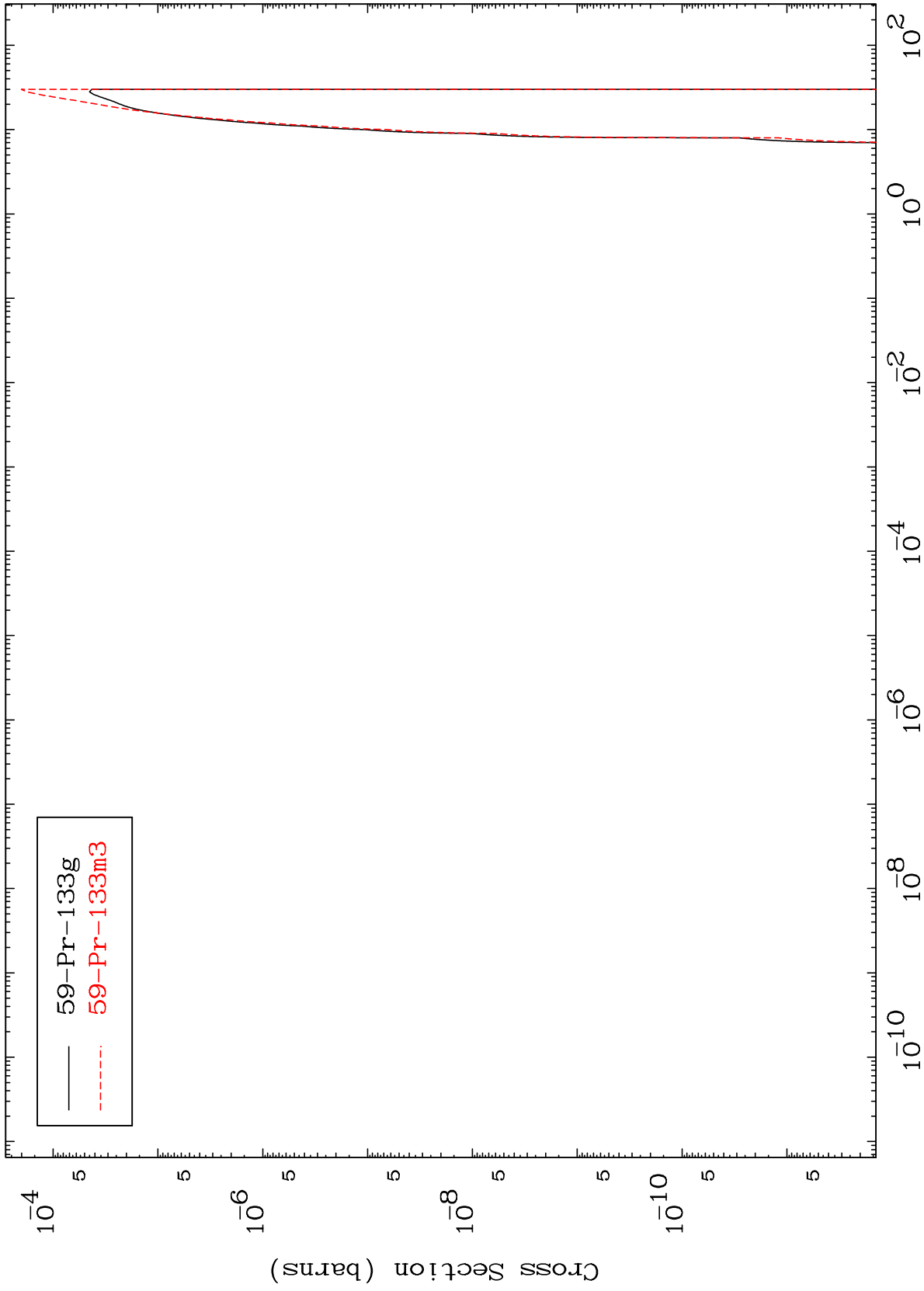
62-Sm-139

MAT 6211

(d,2α)

62-Sm-139

Radionuclide Production Cross Section

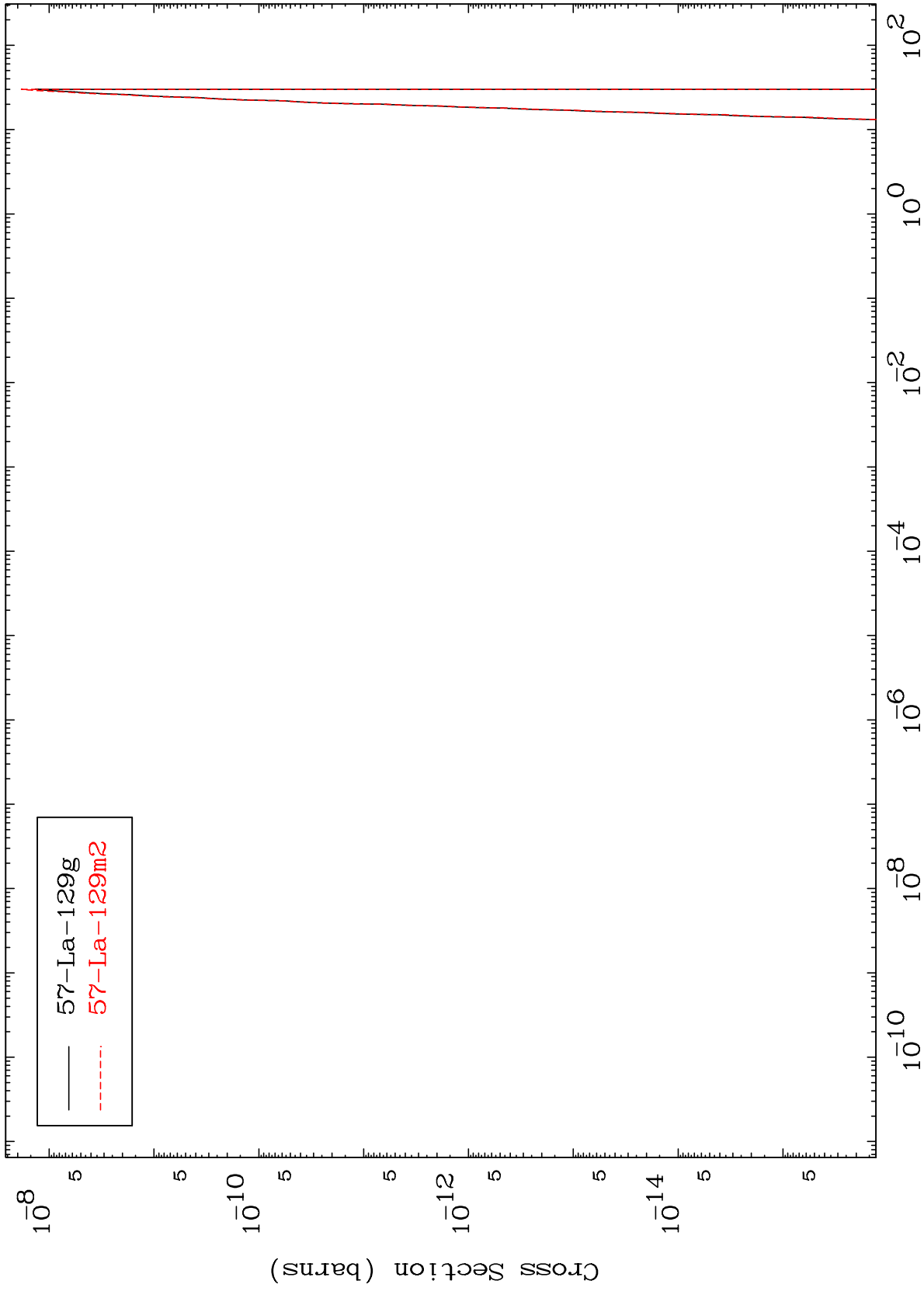


MAT 6211

(d,3α)

62-Sm-139

Radionuclide Production Cross Section



22

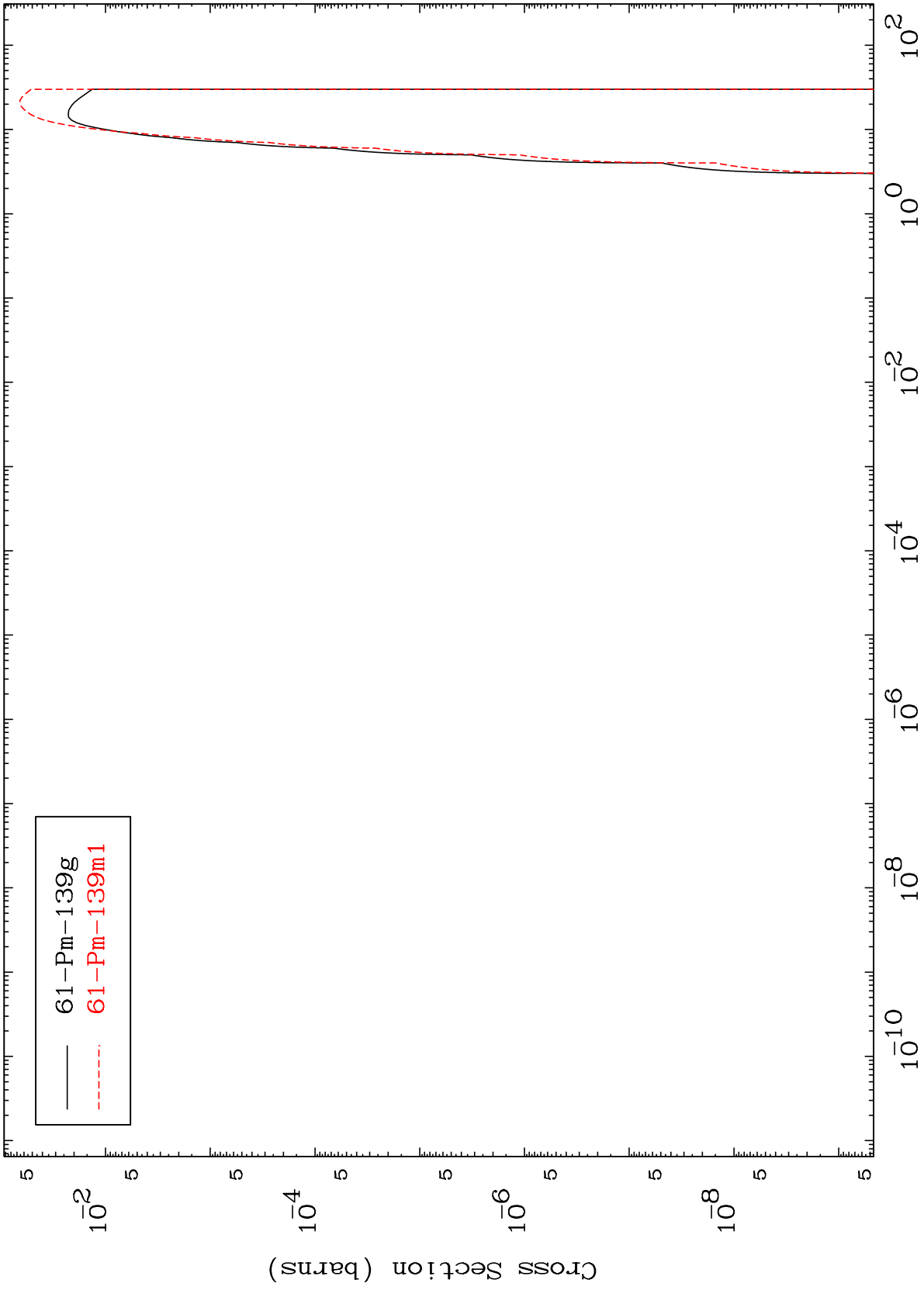
Incident Energy (MeV)

62-Sm-139

MAT 6211

Radionuclide Production Cross Section
(d,2p)

62-Sm-139



23

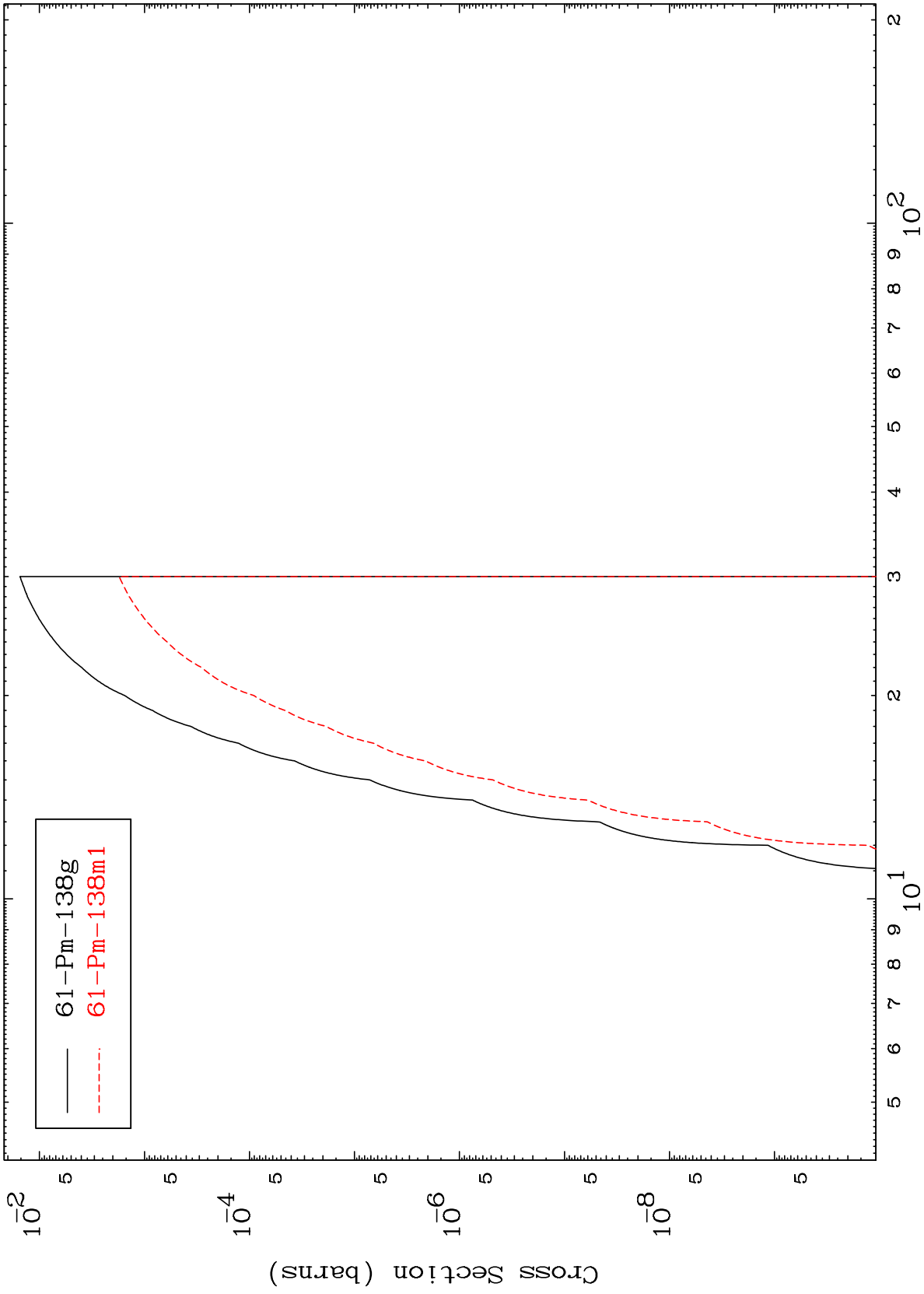
62-Sm-139

MAT 6211

(d,p) d

⁶²Sm-139

Radionuclide Production Cross Section



24

Incident Energy (MeV)

⁶²Sm-139