

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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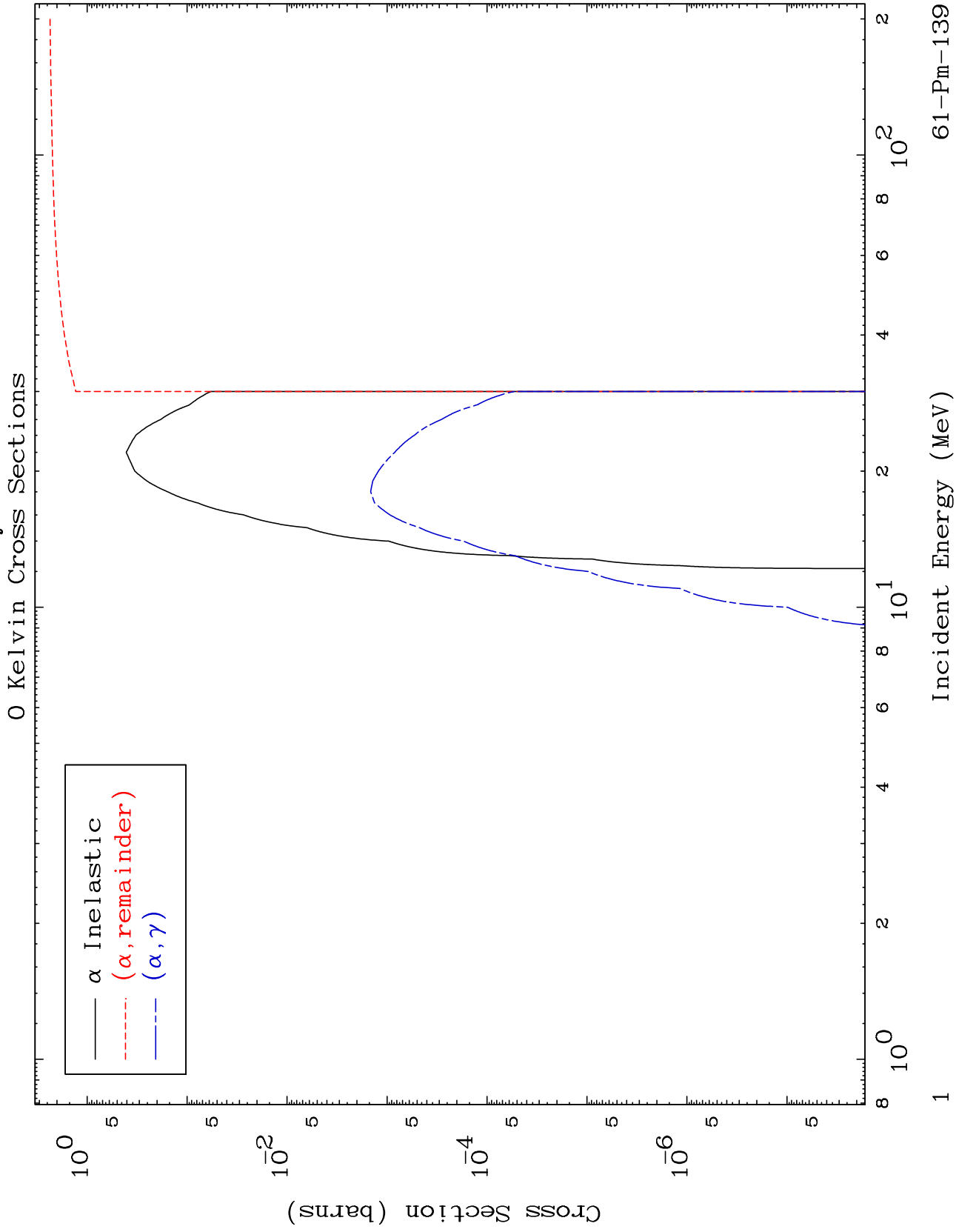
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

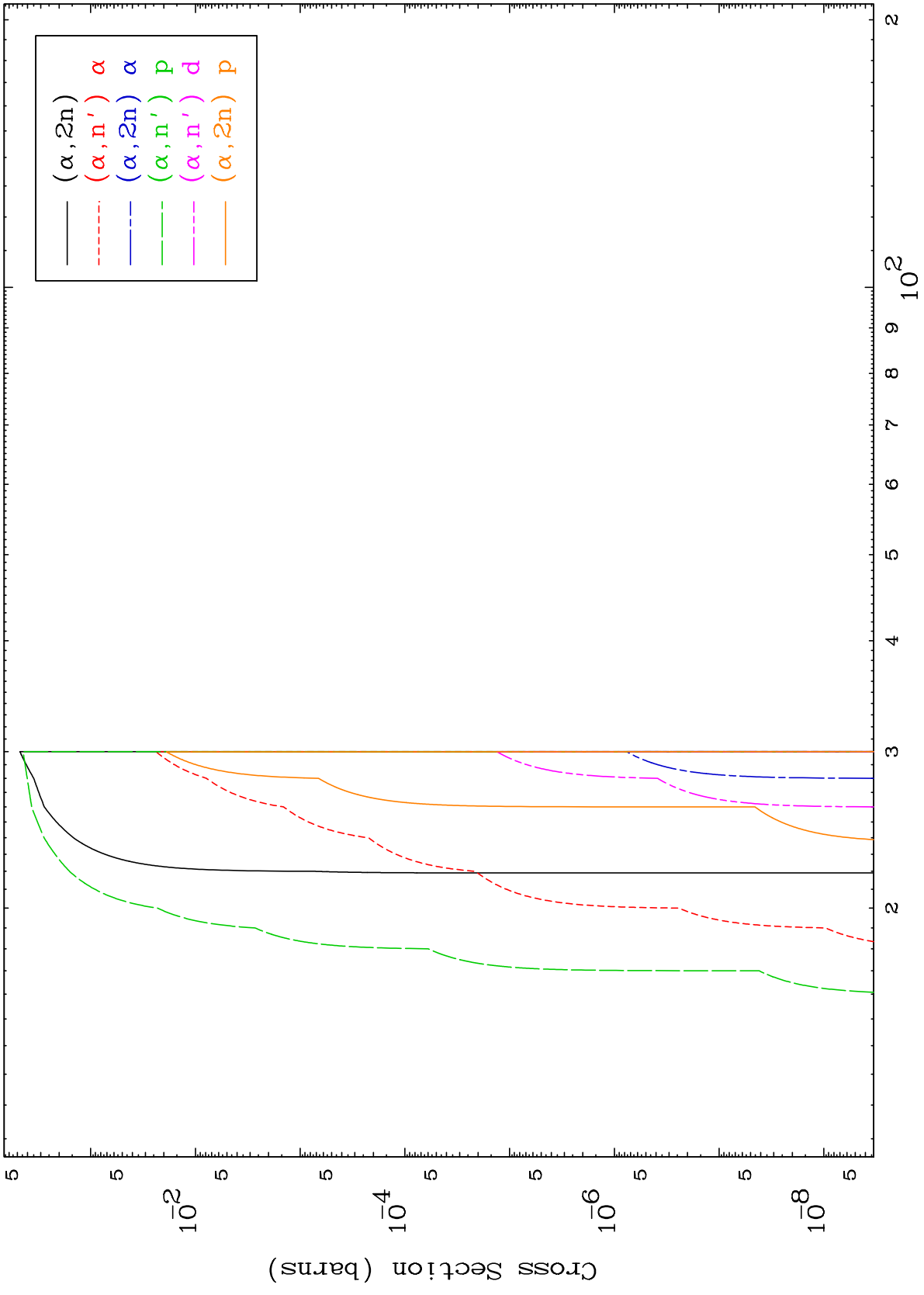
Press Mouse Button to Start

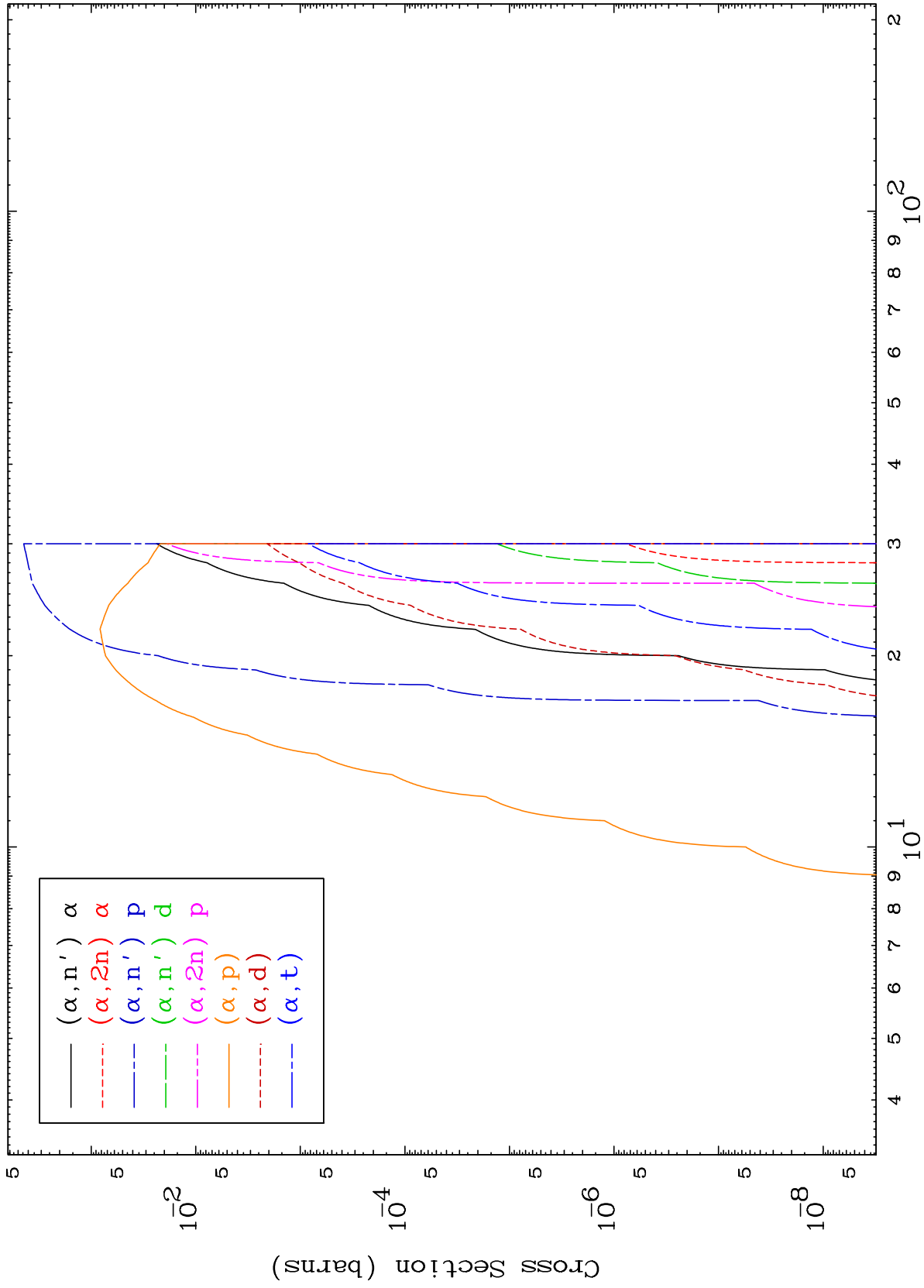
MAT 6125

0 Kelvin  $\alpha$  Major

61-Pm-139



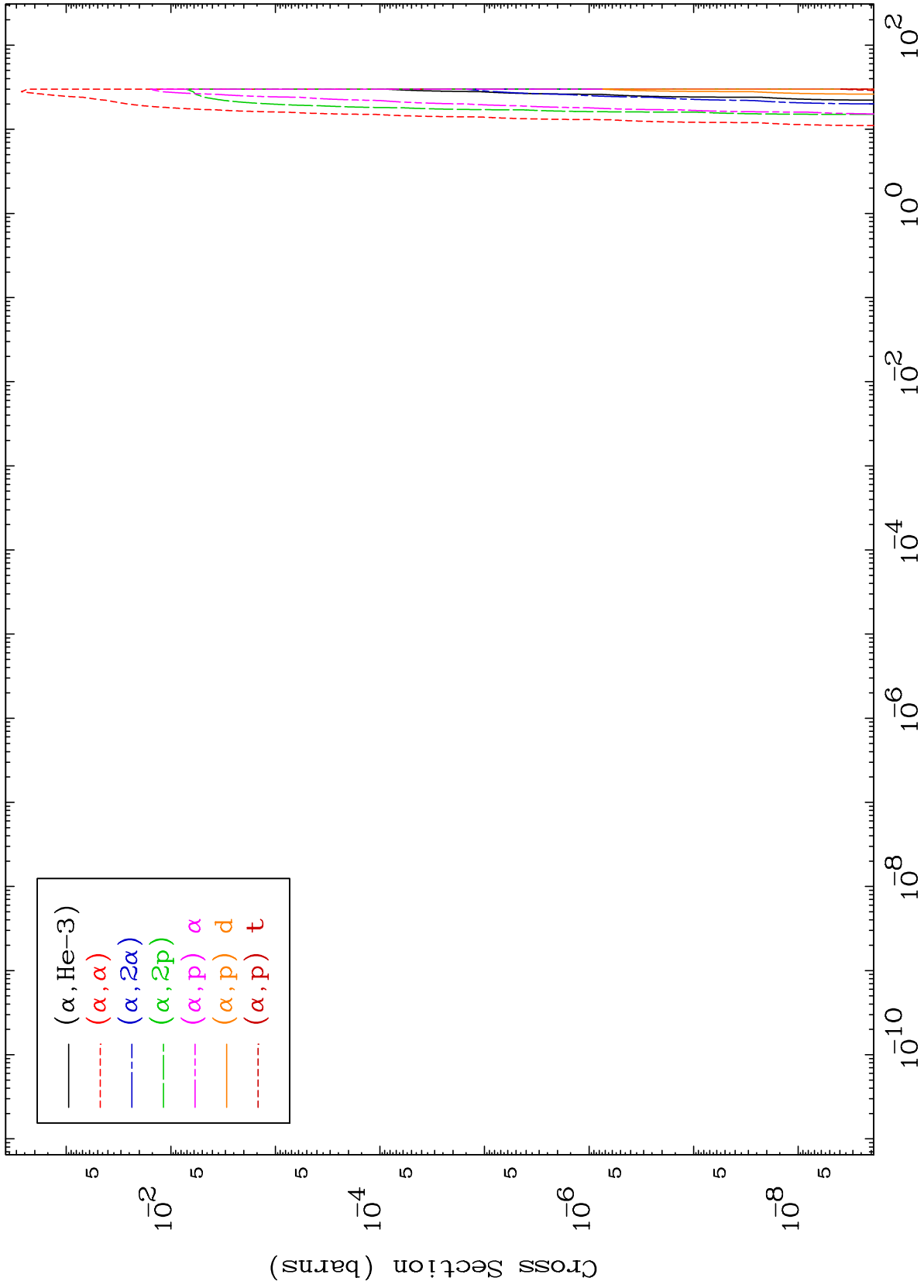




MAT 6125

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

61-Pm-139

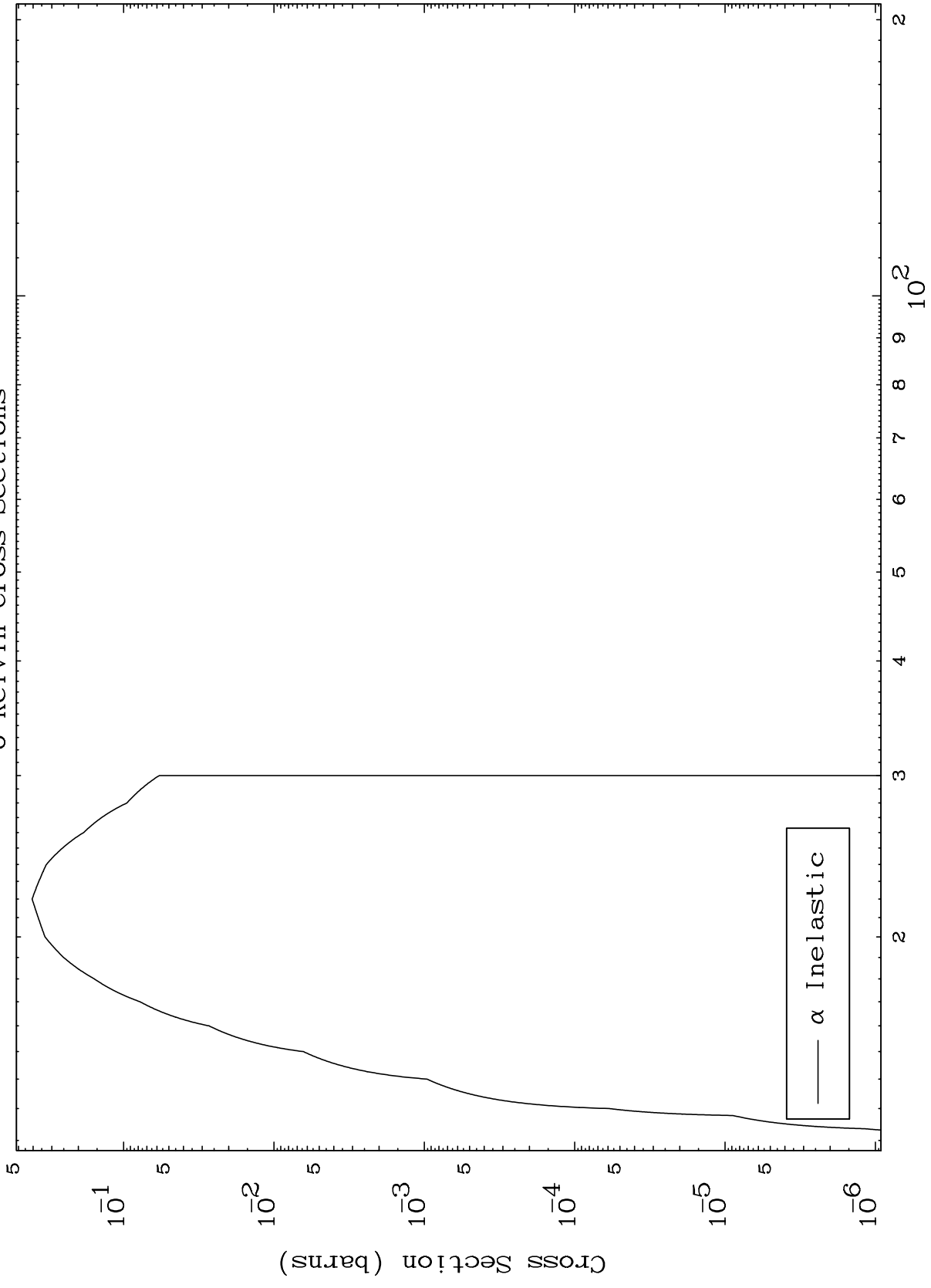


61-Pm-139

MAT 6125

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

61-Pm-139



5

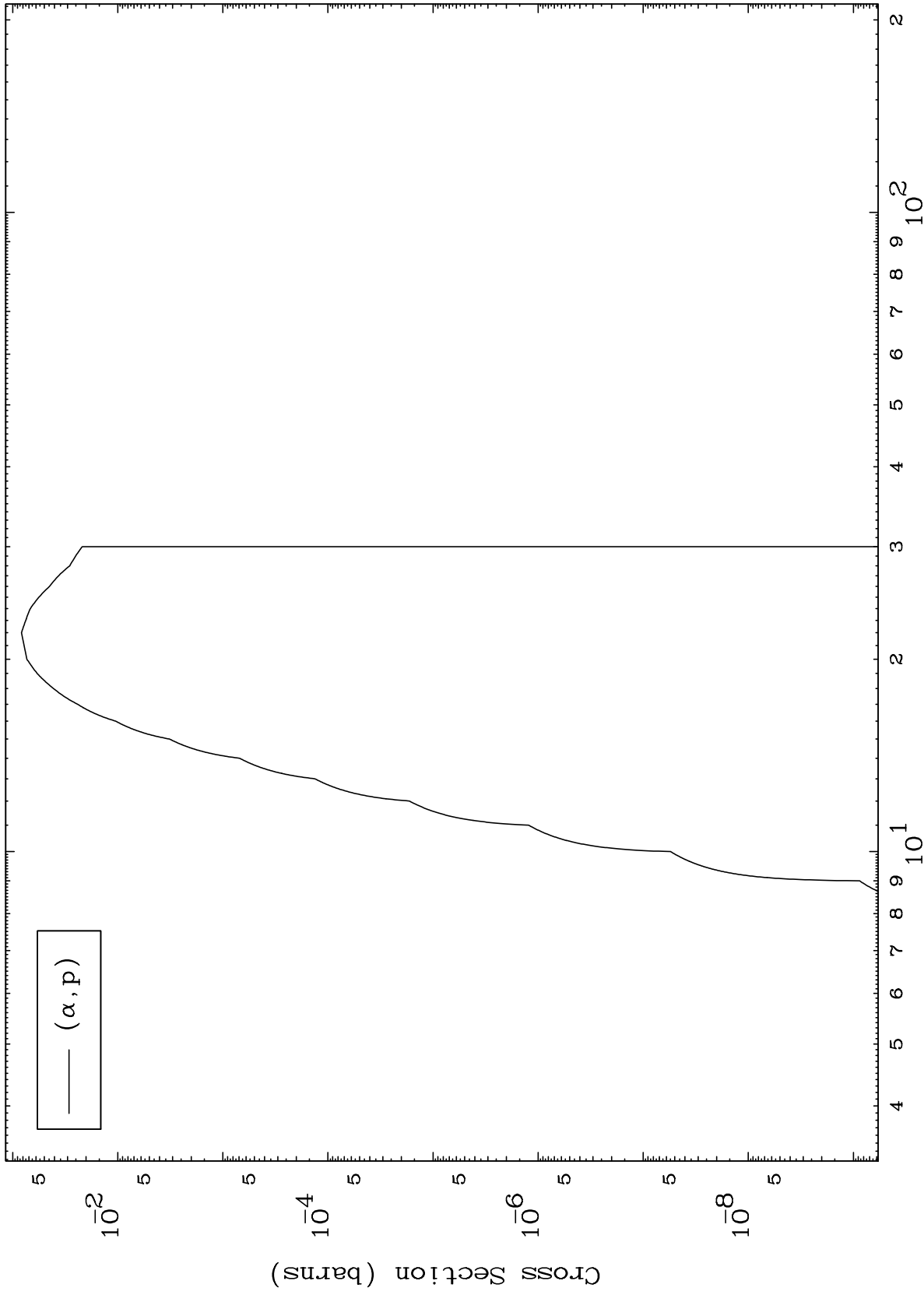
Incident Energy (MeV)

61-Pm-139

MAT 6125

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

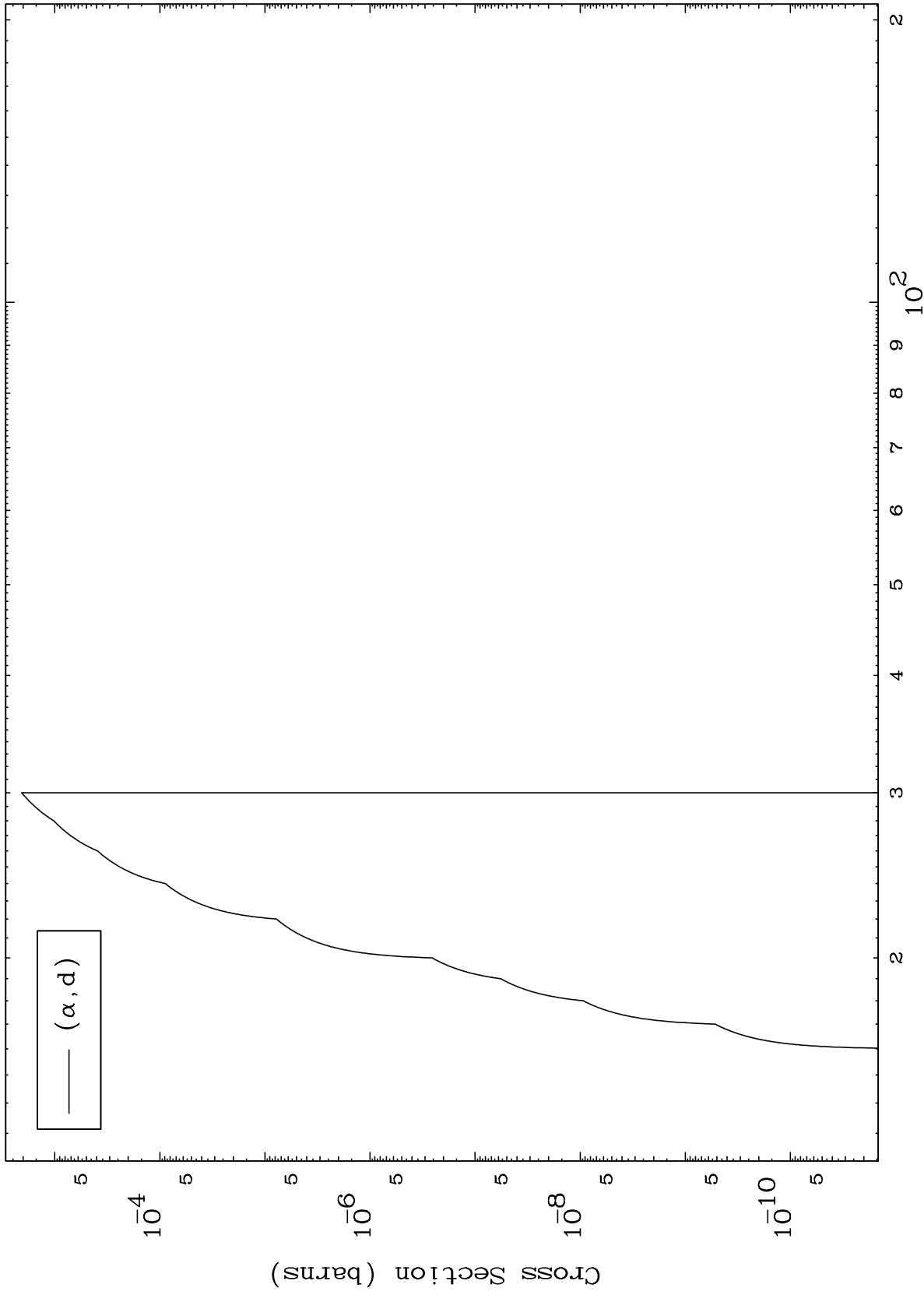
61-Pm-139



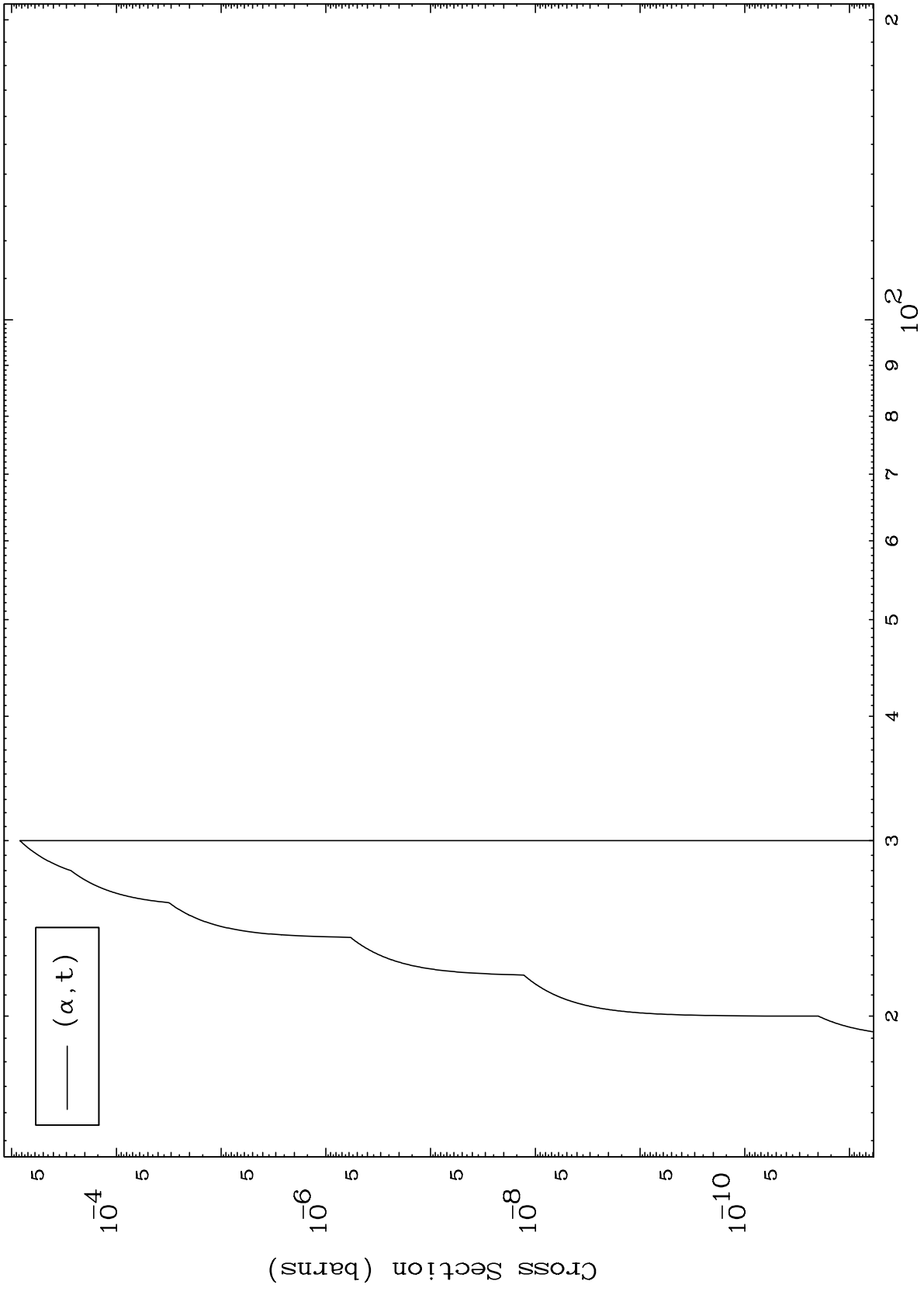
6

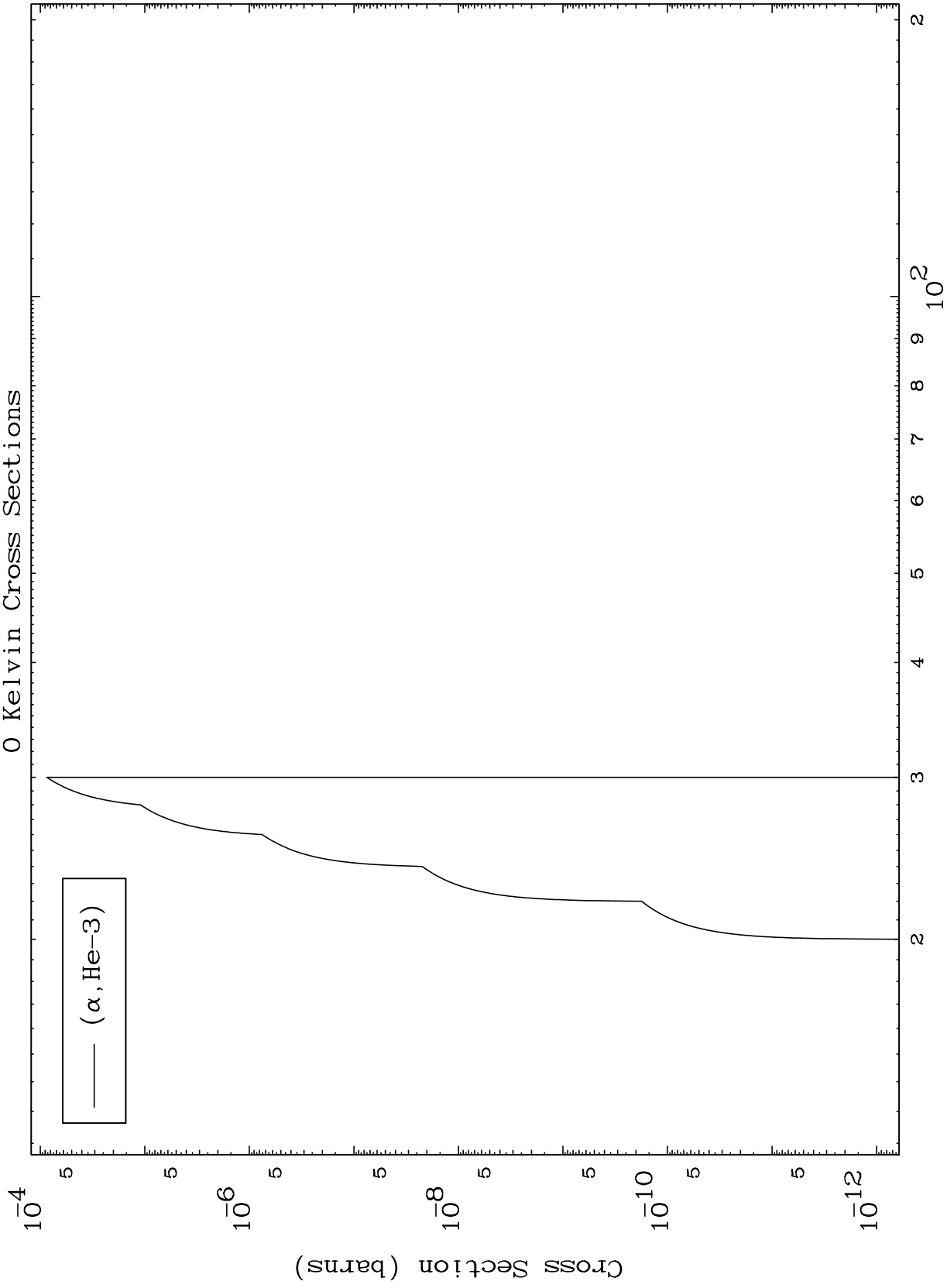
Incident Energy (MeV)

61-Pm-139





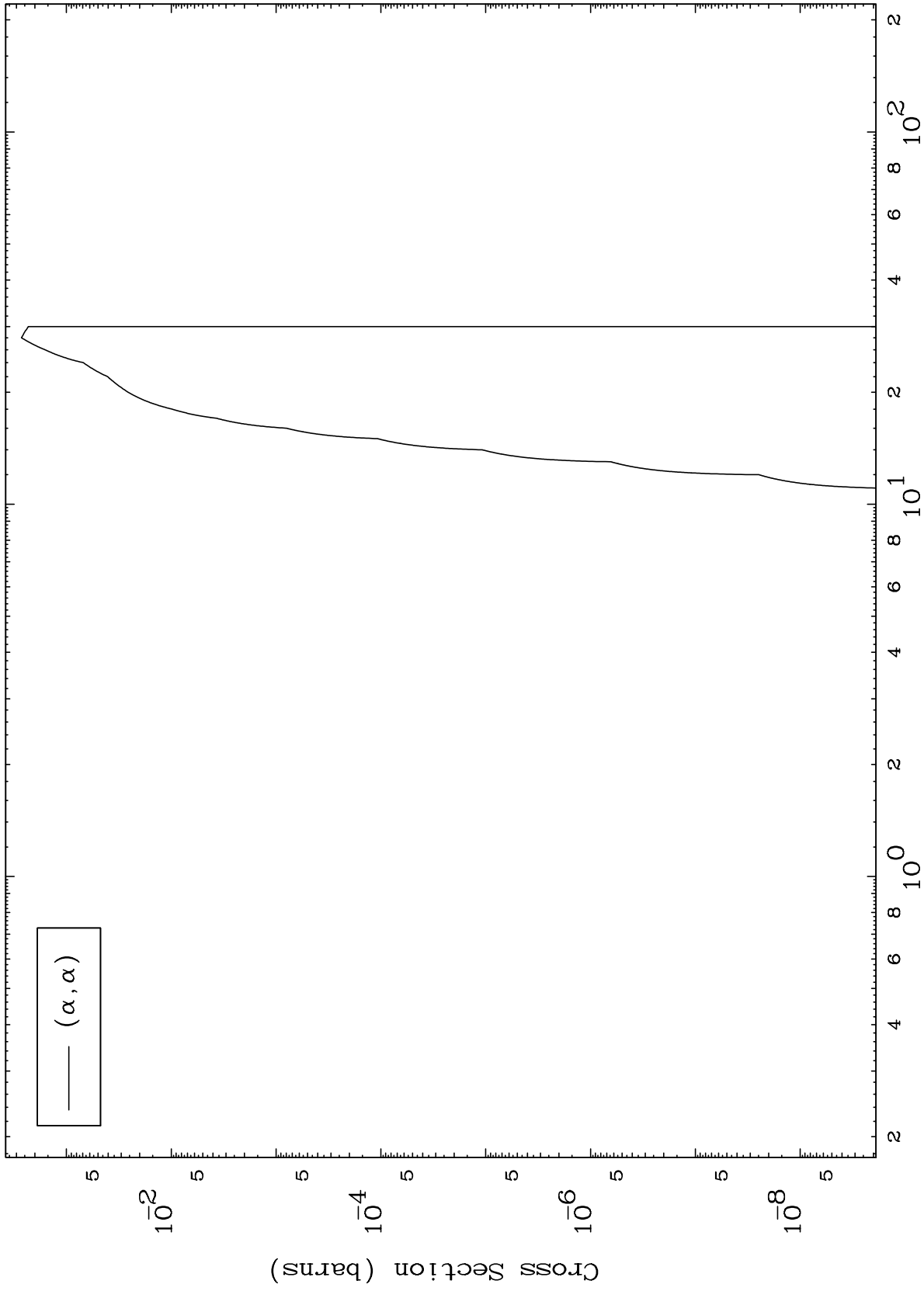




MAT 6125

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections

61-Pm-139



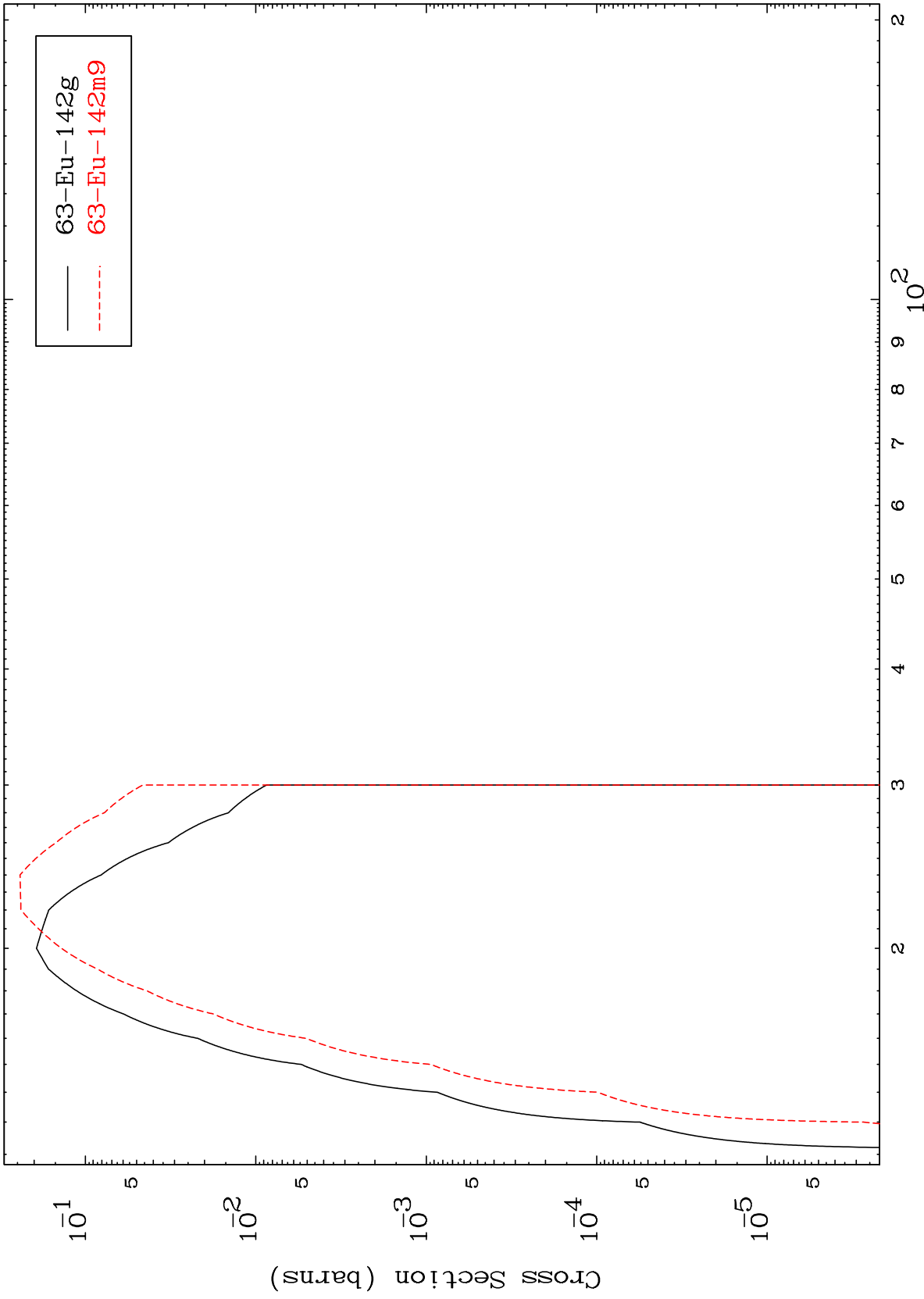
10

Incident Energy (MeV)

61-Pm-139

Radionuclide Production Cross Section

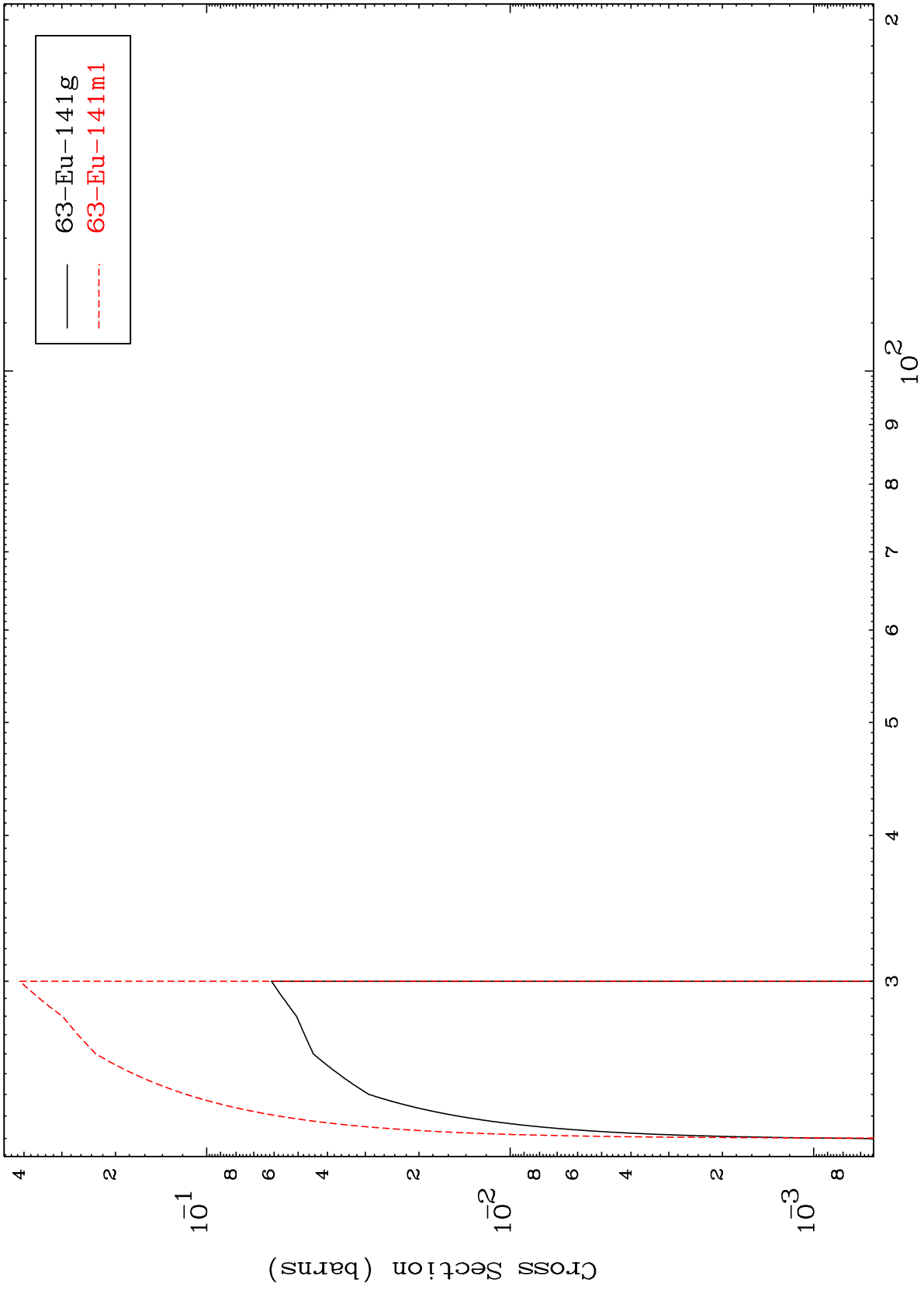
$\alpha$  Inelastic



MAT 6125

61-Pm-139

( $\alpha, 2n$ )  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

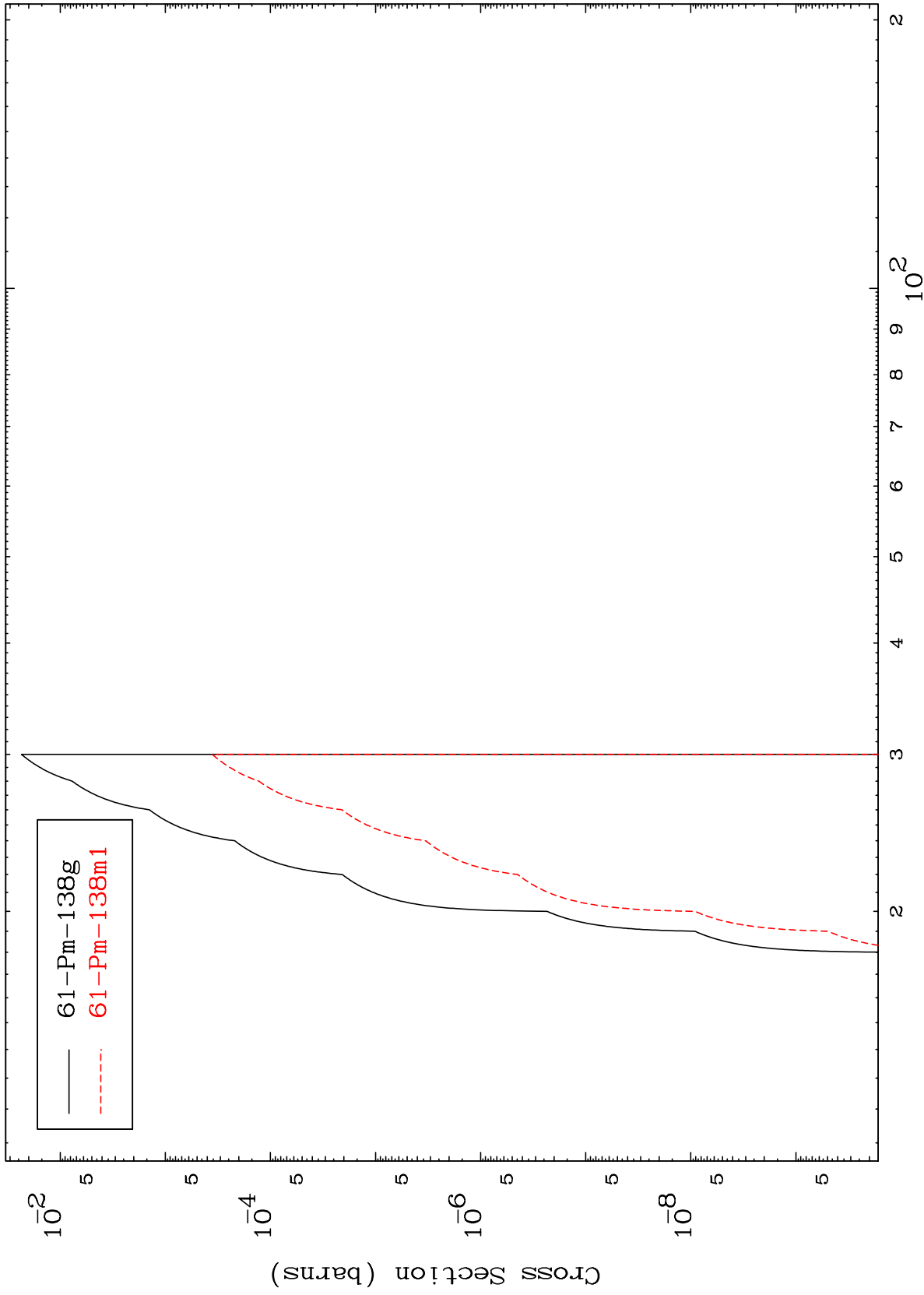
61-Pm-139

MAT 6125

$(\alpha, n')$   $\alpha$

61-Pm-139

Radionuclide Production Cross Section



13

Incident Energy (MeV)

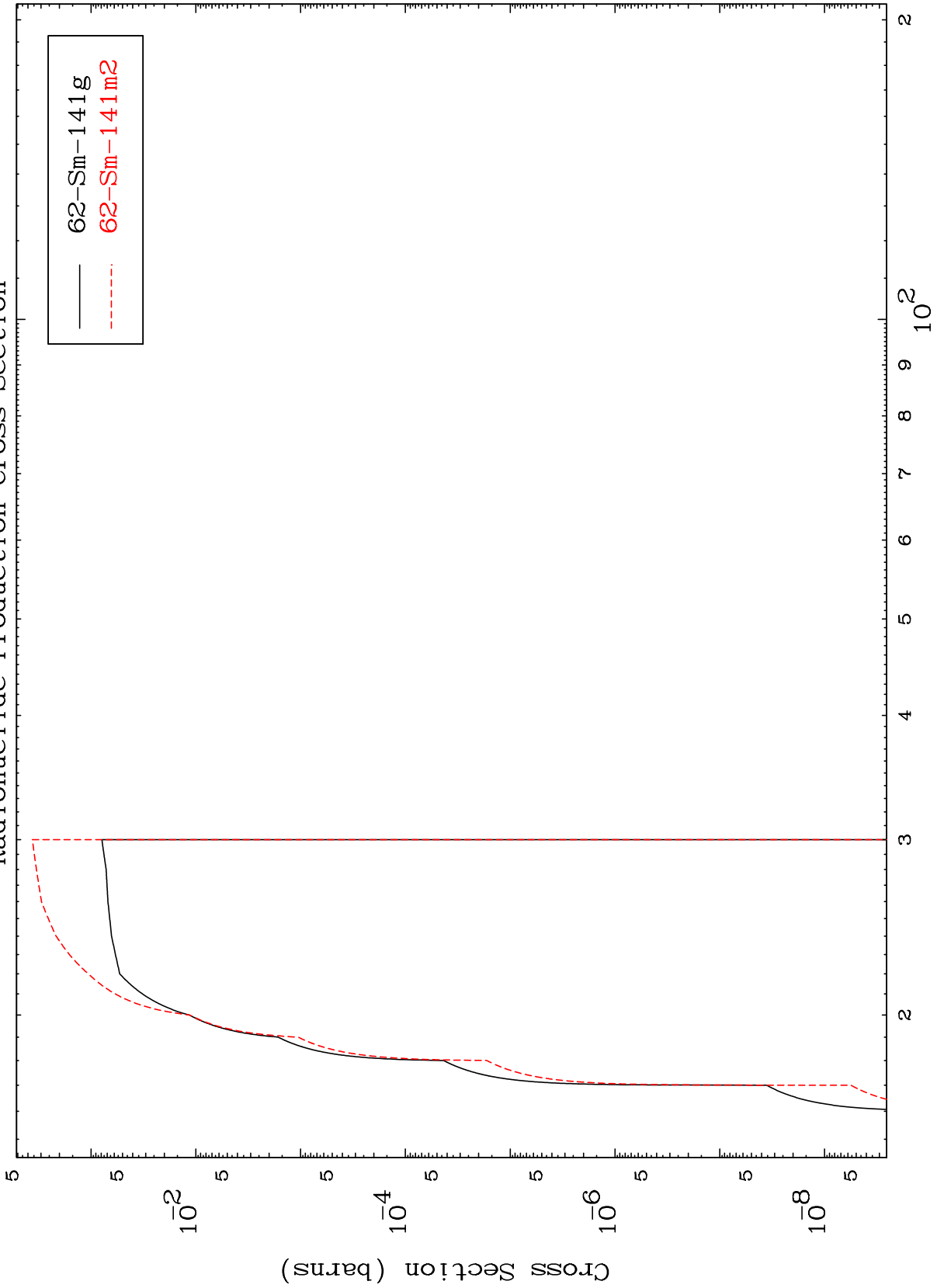
61-Pm-139

MAT 6125

$(\alpha, n')$  p

61-Pm-139

Radionuclide Production Cross Section



62-Sm-141 g  
62-Sm-141 m2

14

Incident Energy (MeV)

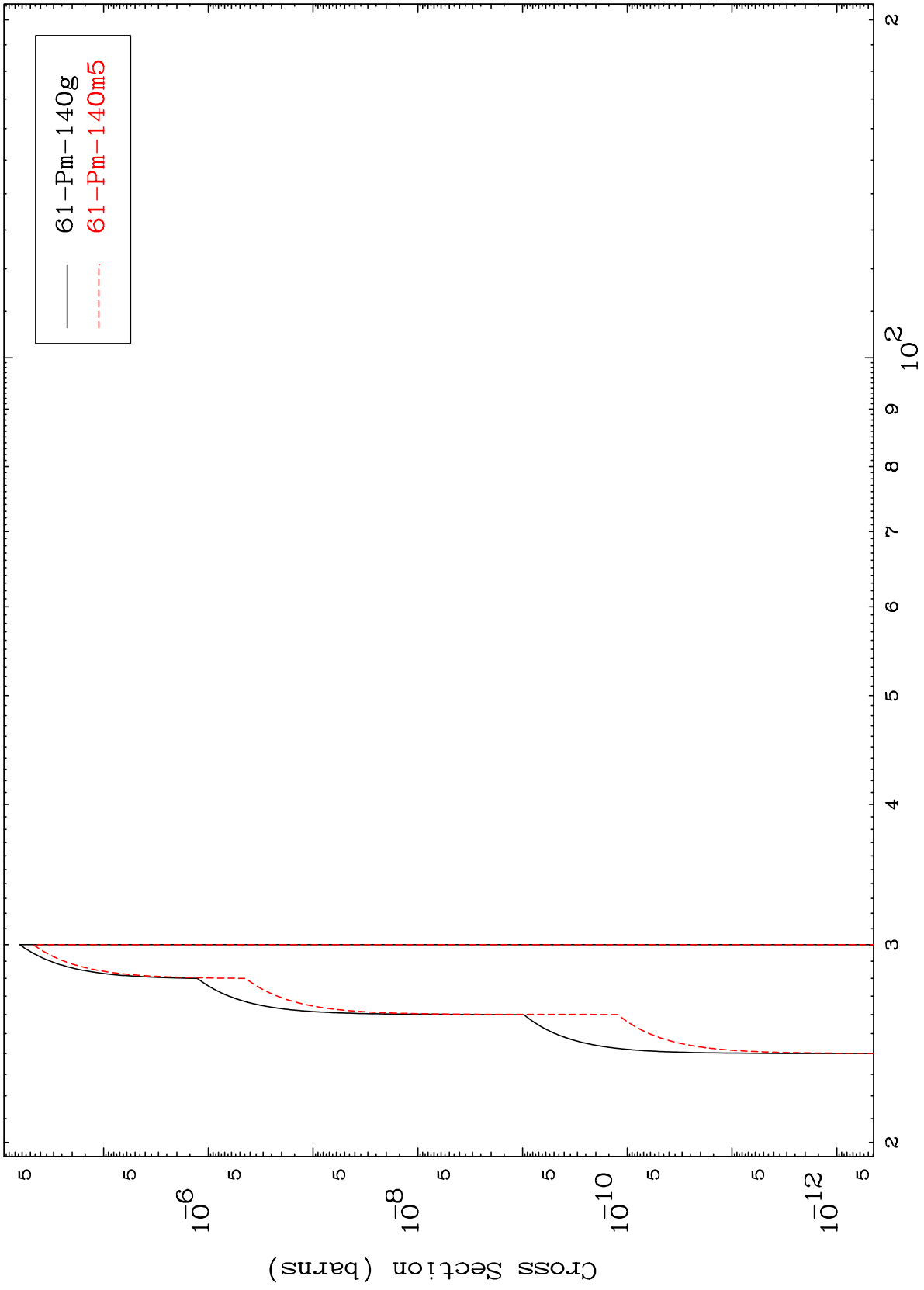
61-Pm-139

MAT 6125

( $\alpha, 2n$ ) p

61-Pm-139

Radionuclide Production Cross Section



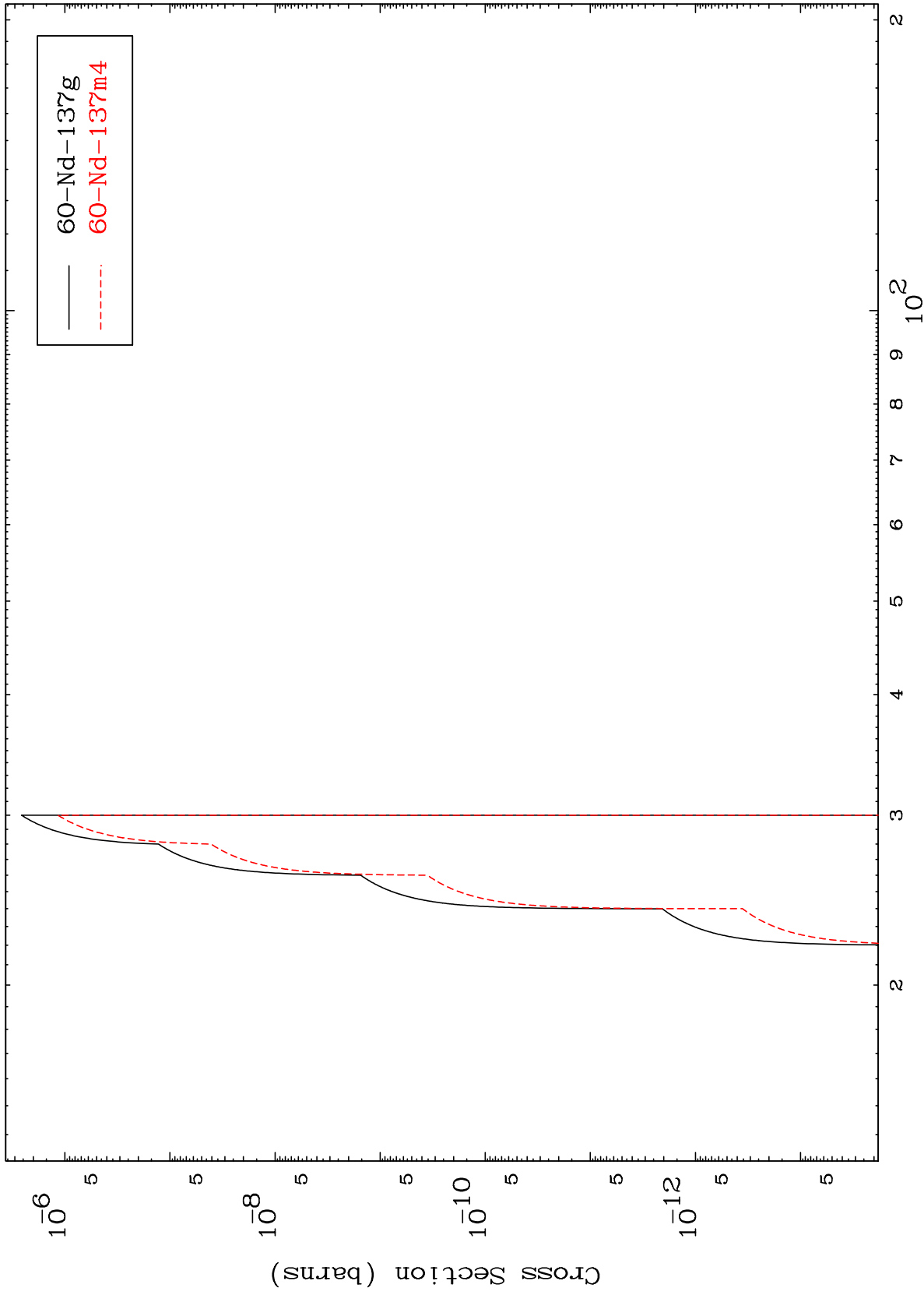
15

Incident Energy (MeV)

61-Pm-139



Radionuclide Production Cross Section

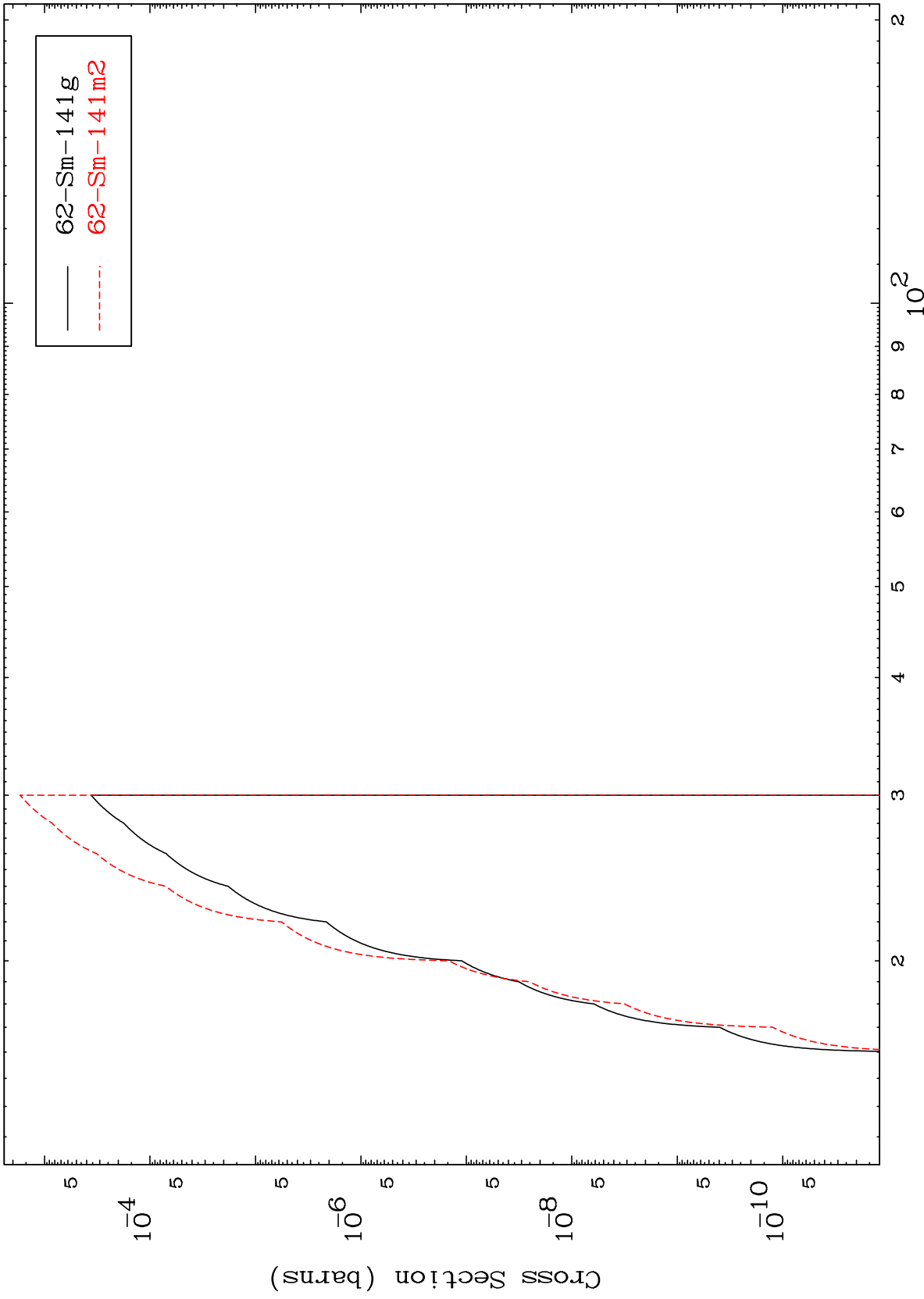


MAT 6125

( $\alpha, d$ )

61-Pm-139

Radionuclide Production Cross Section



17

Incident Energy (MeV)

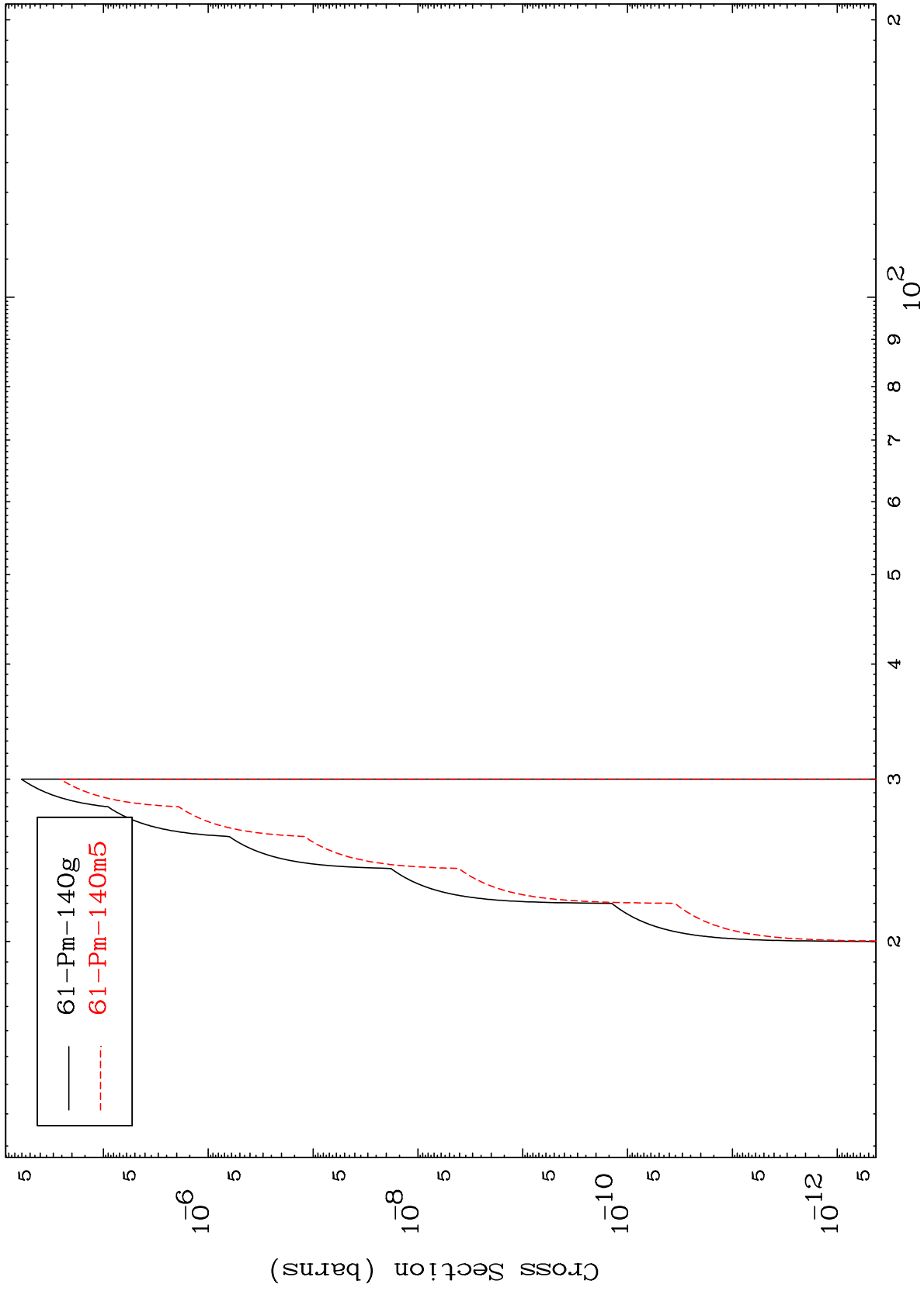
61-Pm-139

MAT 6125

( $\alpha, \text{He-3}$ )

61-Pm-139

Radionuclide Production Cross Section



18

Incident Energy (MeV)

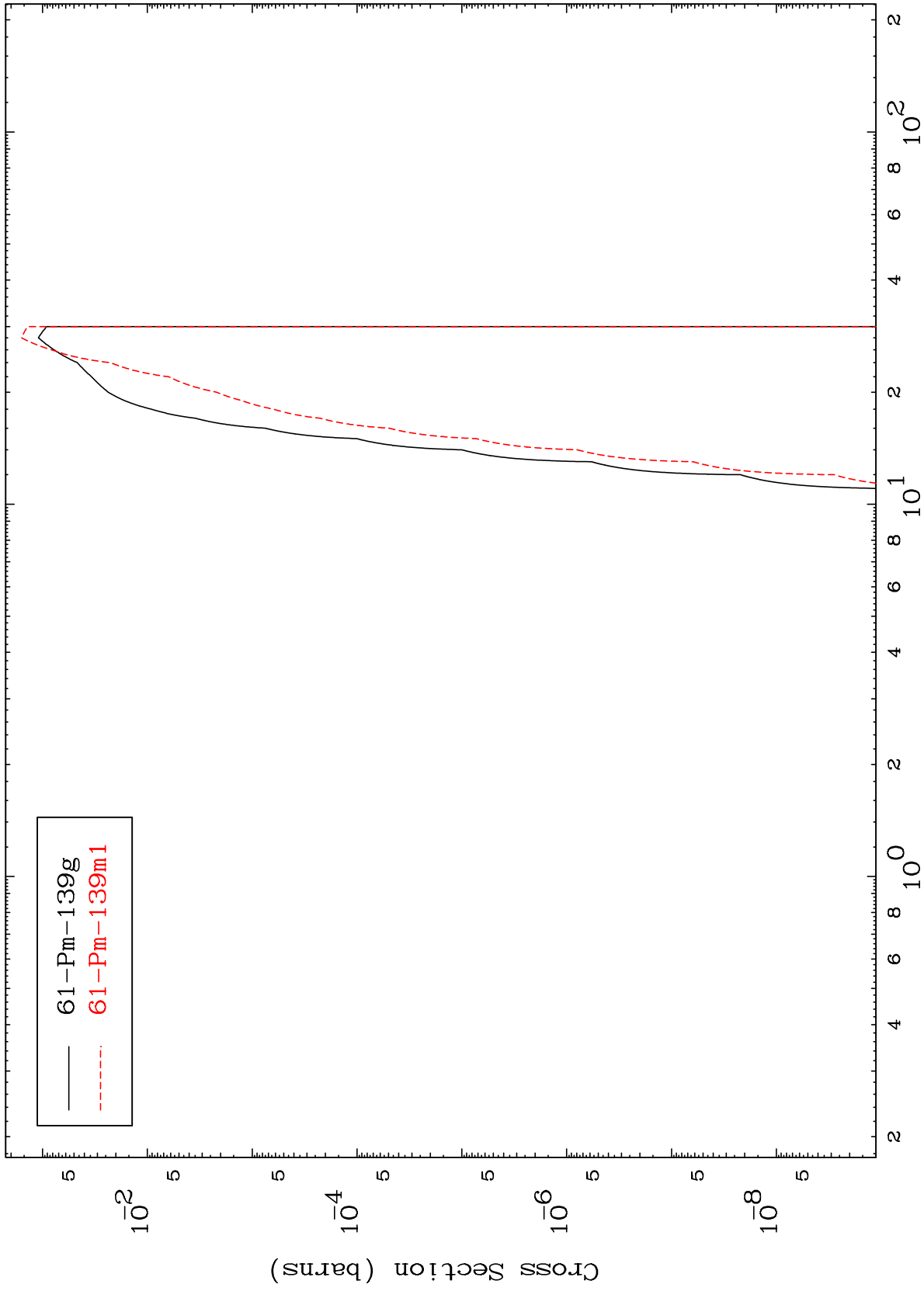
61-Pm-139

MAT 6125

( $\alpha, \alpha$ )

61-Pm-139

Radionuclide Production Cross Section



19

Incident Energy (MeV)

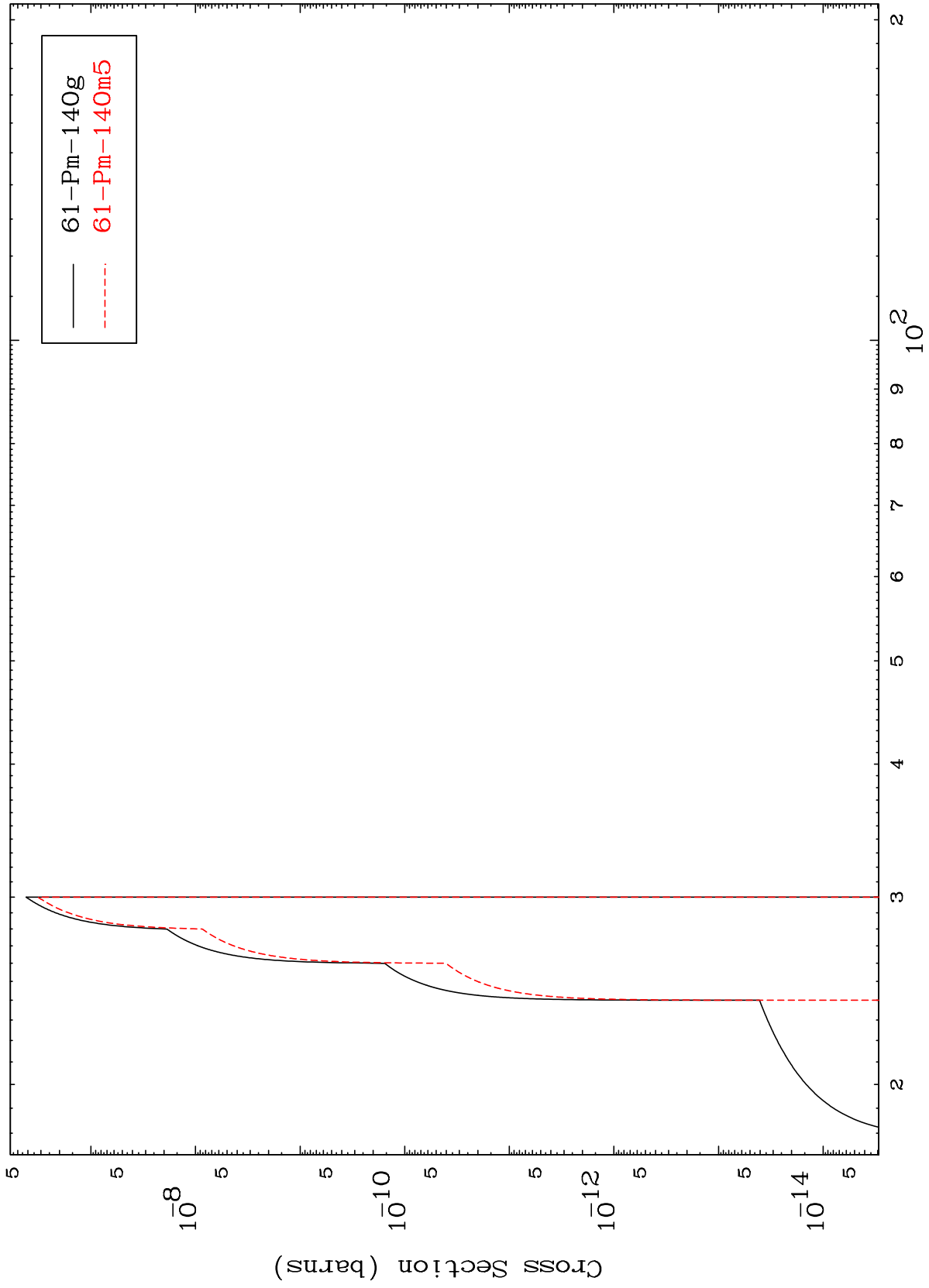
61-Pm-139

MAT 6125

( $\alpha, p$ ) d

61-Pm-139

Radionuclide Production Cross Section



20

Incident Energy (MeV)

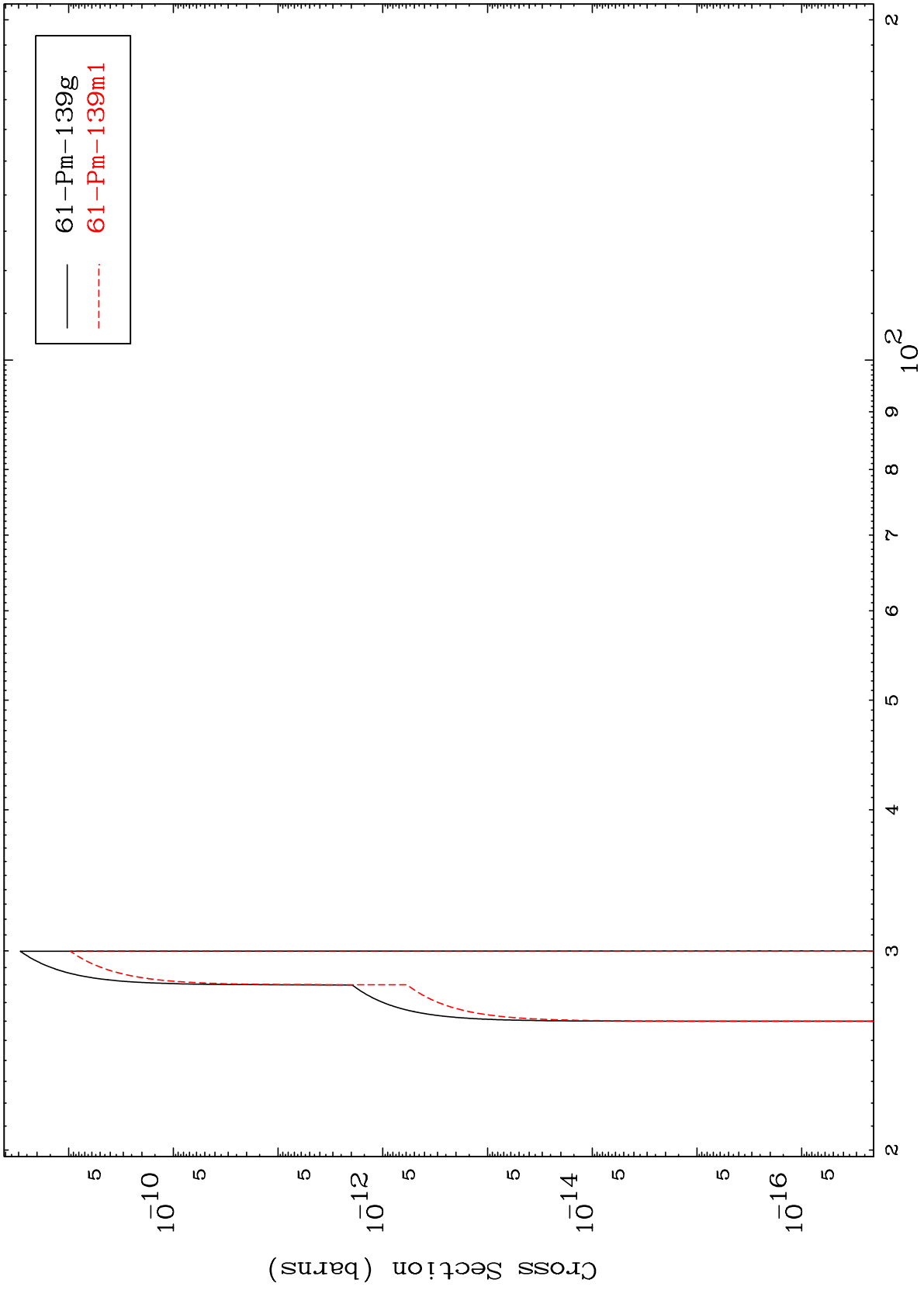
61-Pm-139

MAT 6125

( $\alpha, p$ ) t

61-Pm-139

Radionuclide Production Cross Section



21

Incident Energy (MeV)

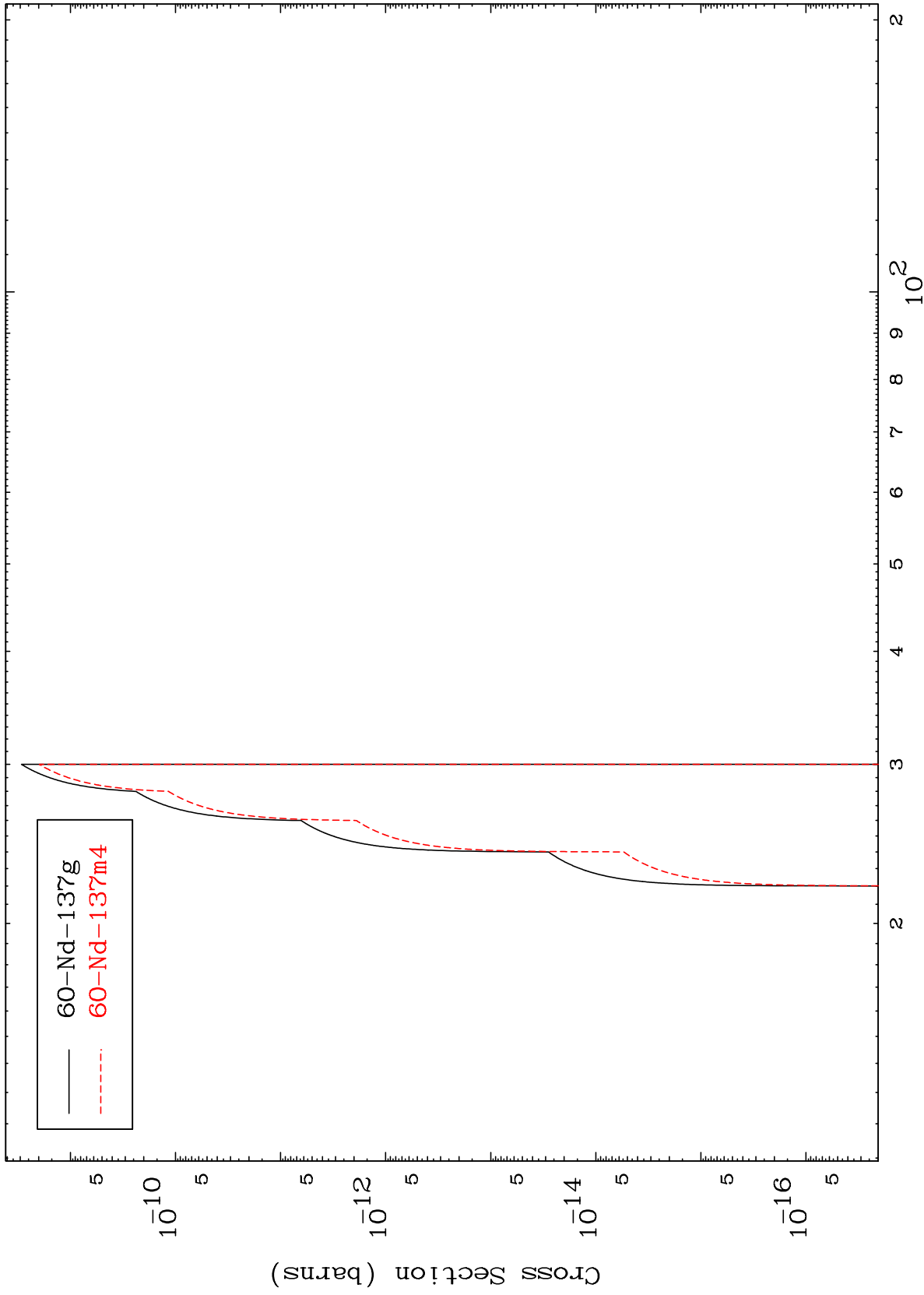
61-Pm-139

MAT 6125

( $\alpha, d$ )  $\alpha$

61-Pm-139

Radionuclide Production Cross Section



22

Incident Energy (MeV)

61-Pm-139