

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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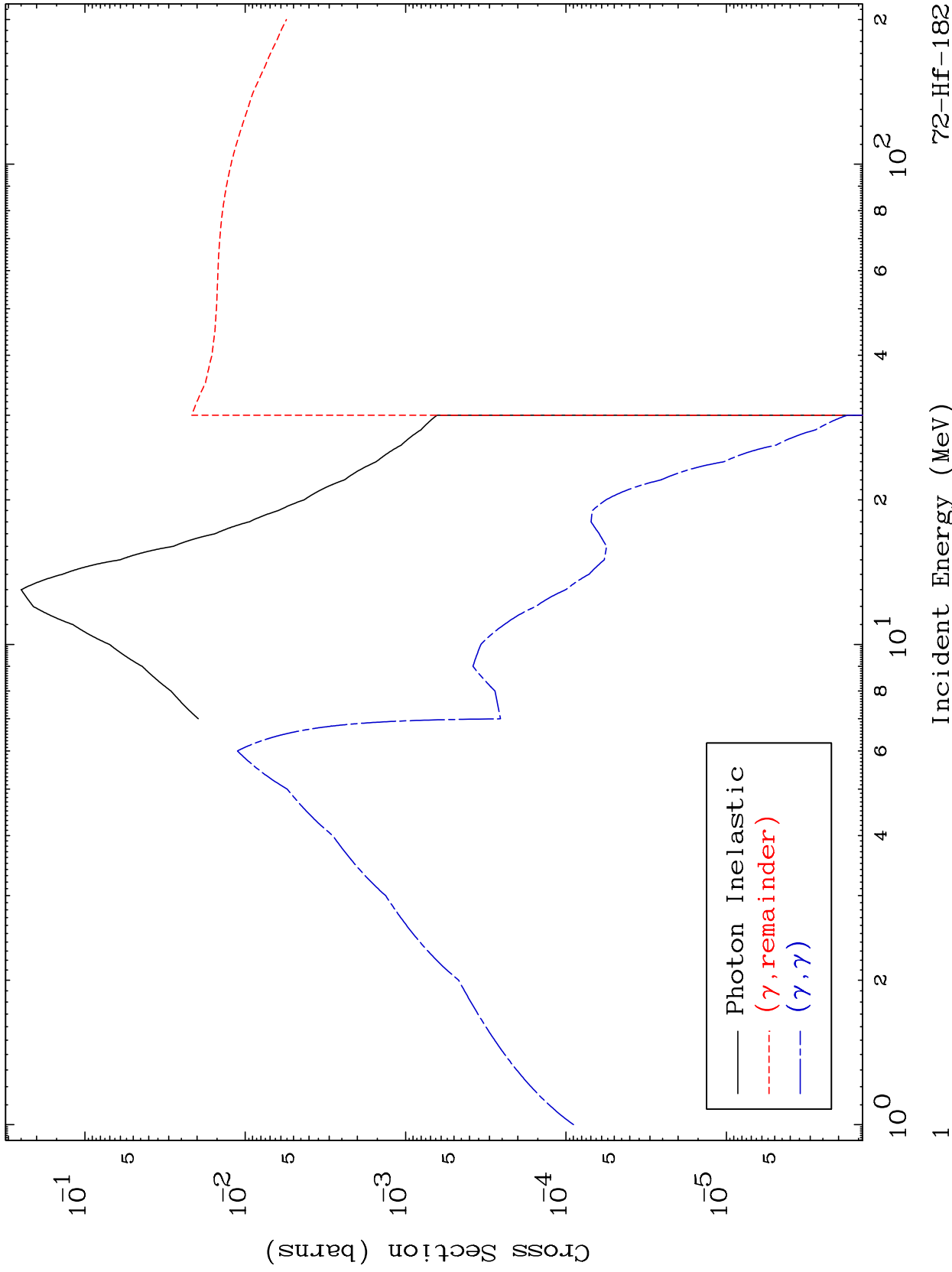
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

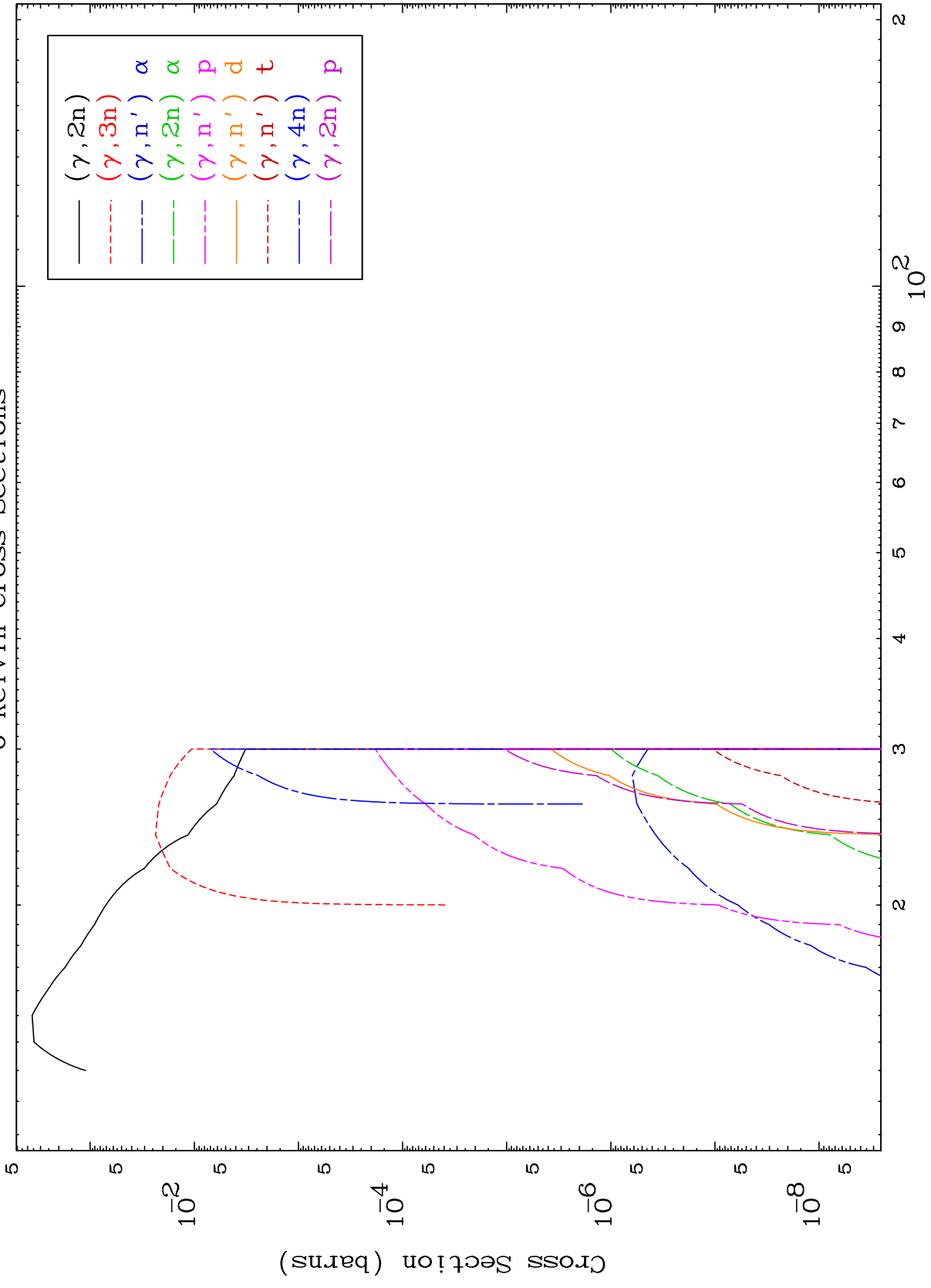
Press Mouse Button to Start

MAT 7249

Photon Major  
0 Kelvin Cross Sections

72-Hf-182

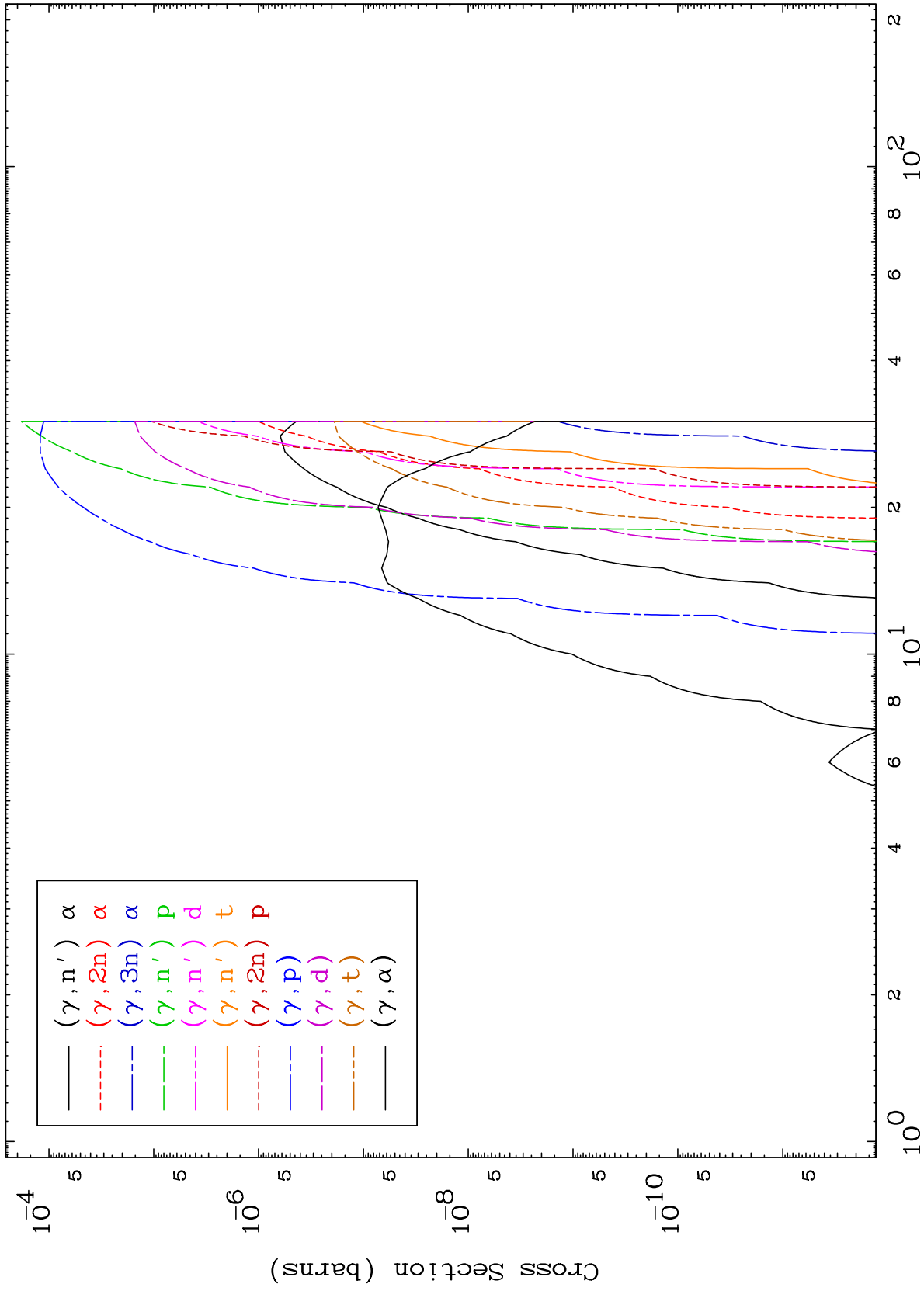




MAT 7249

Photon Charged Particle  
0 Kelvin Cross Sections

72-Hf-182



3

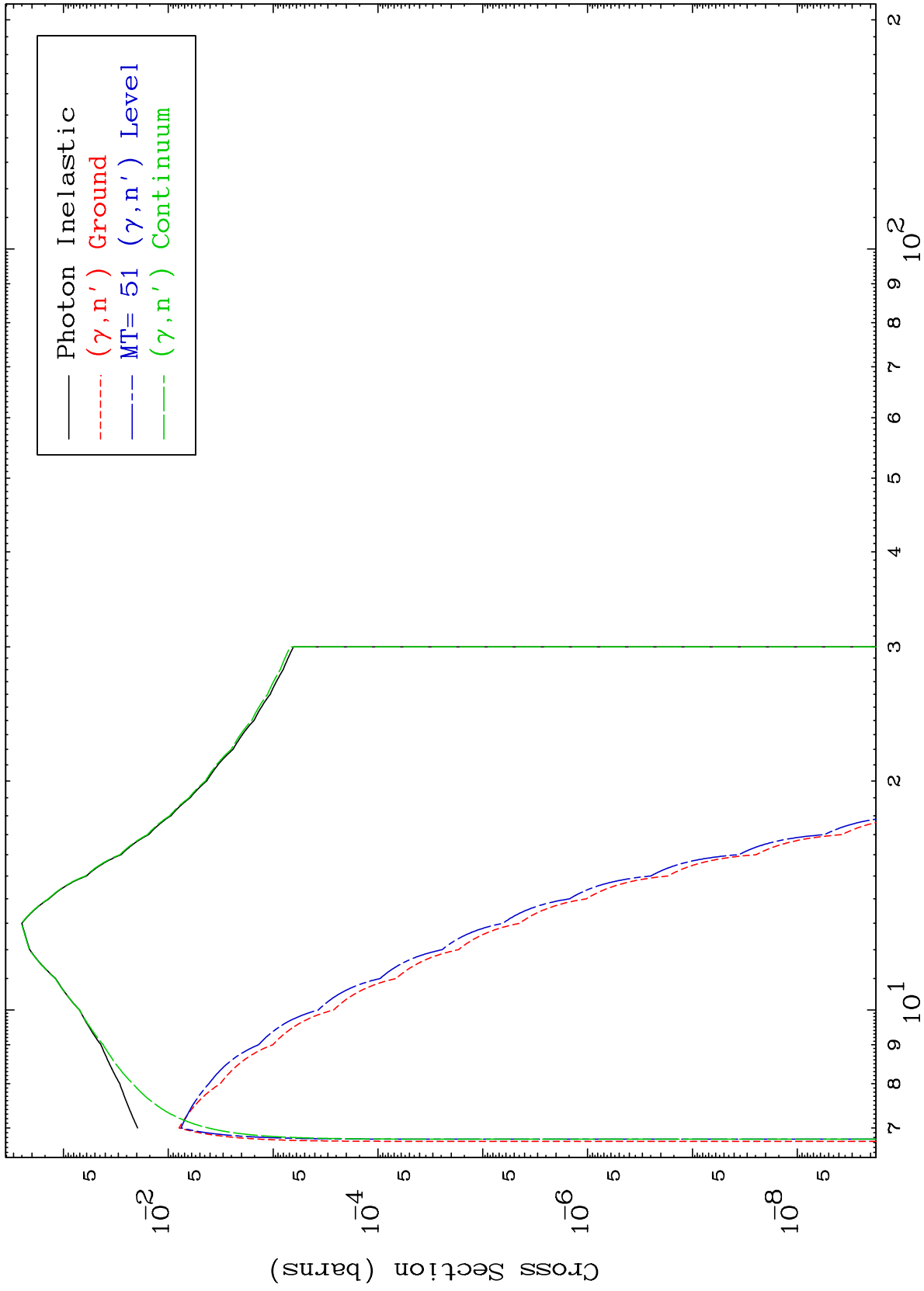
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

72-Hf-182



4

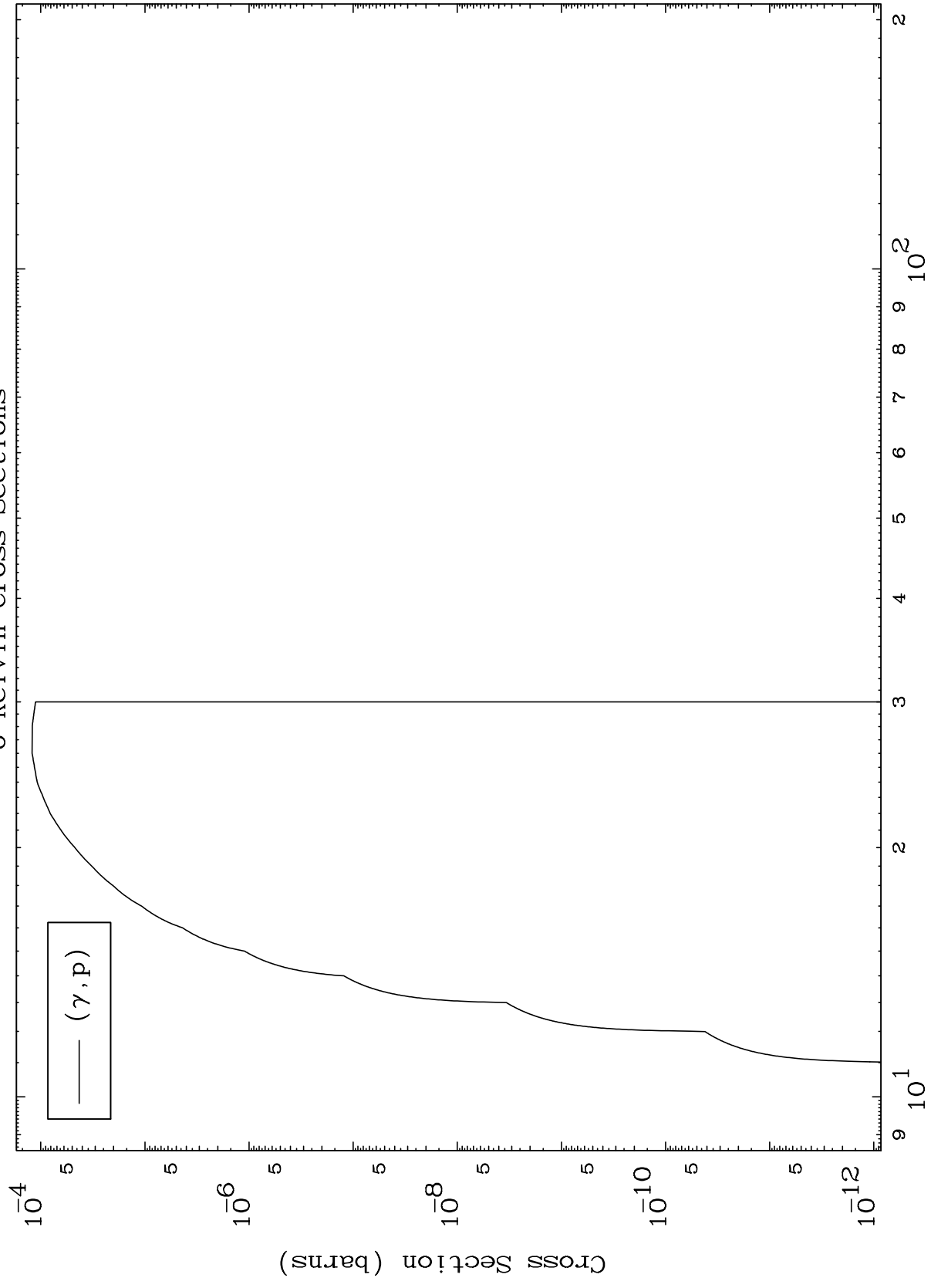
Incident Energy (MeV)

72-Hf-182

MAT 7249

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

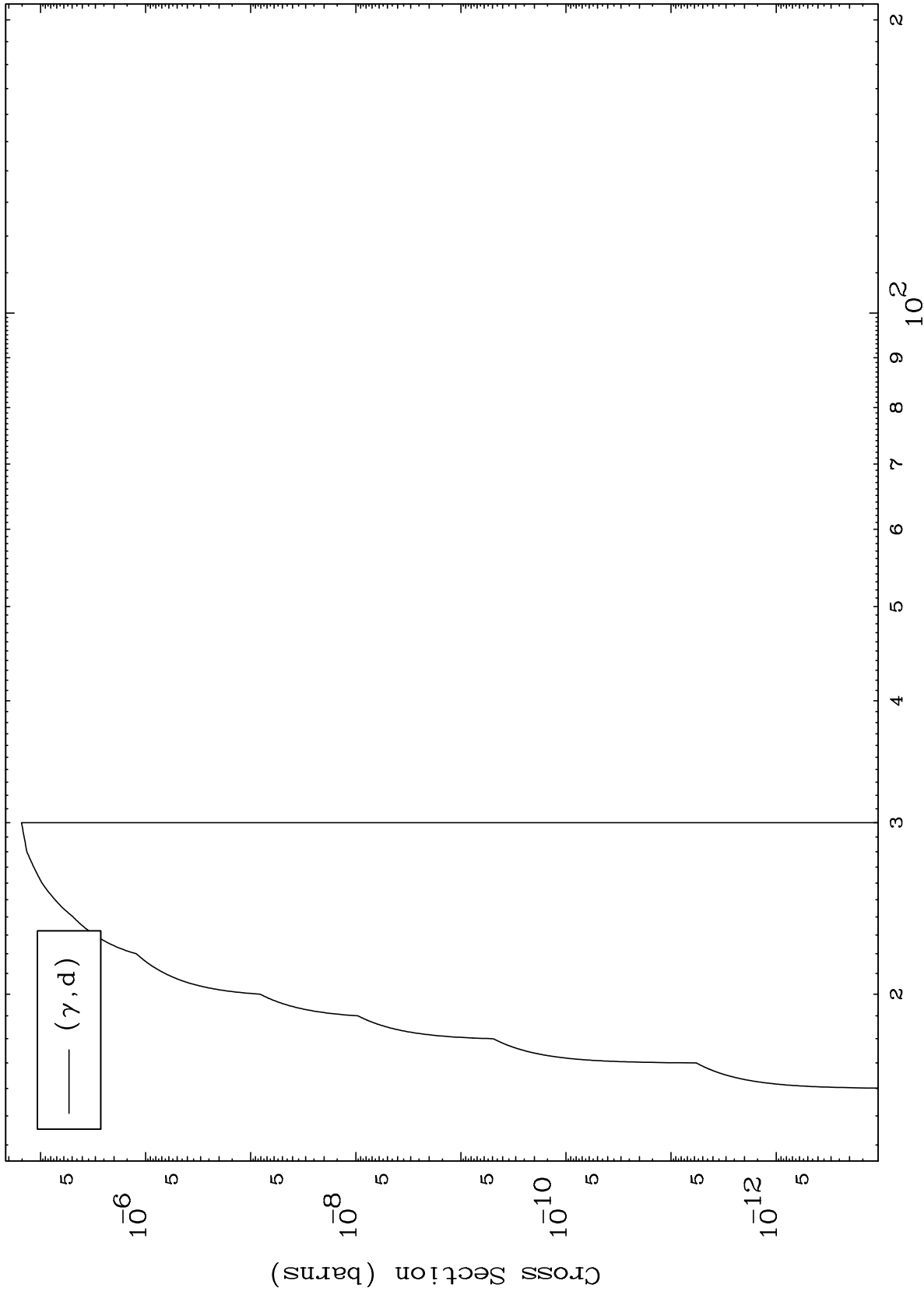
72-Hf-182



Incident Energy (MeV)

72-Hf-182

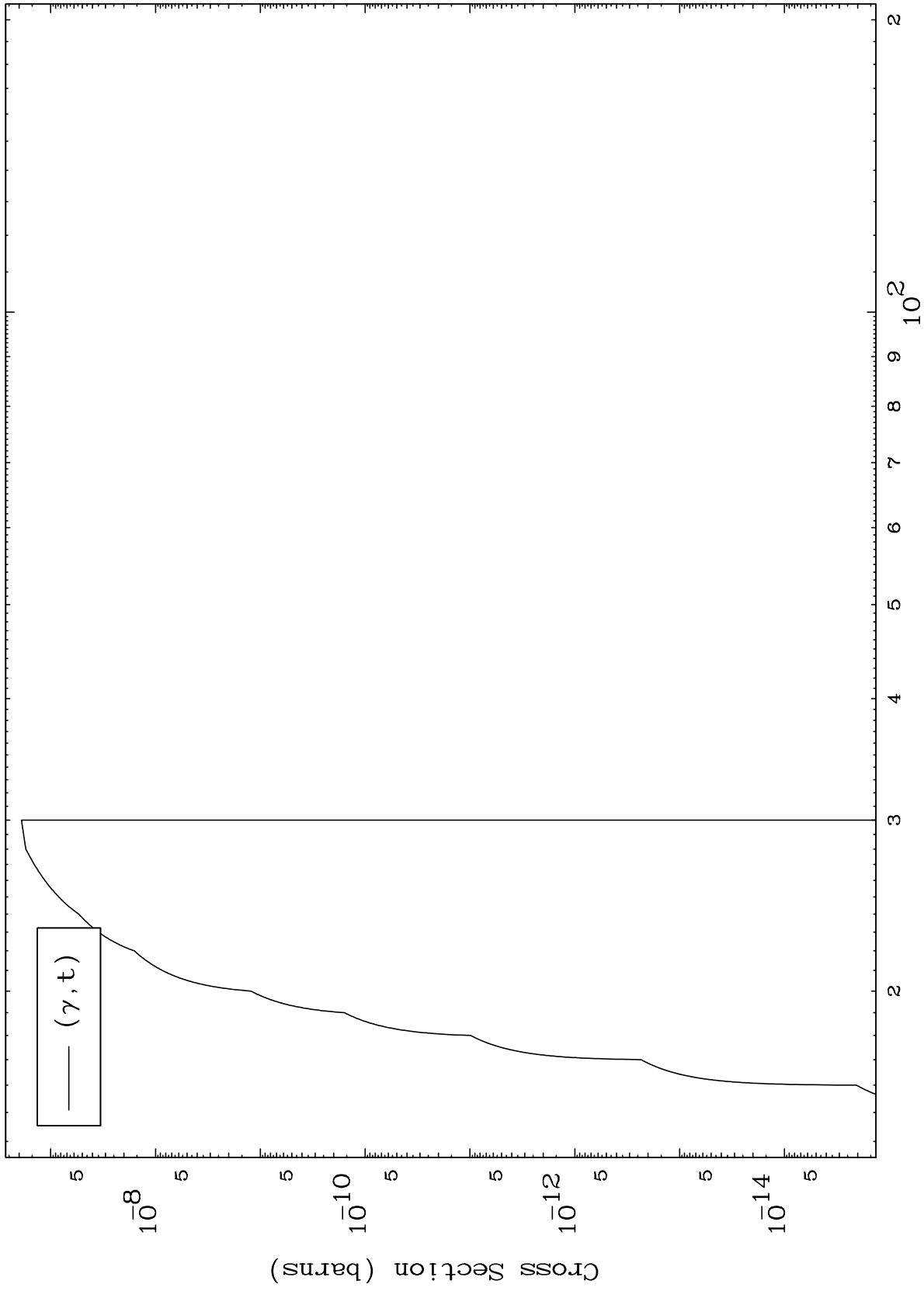
5



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( $\gamma, t$ ) Levels  
0 Kelvin Cross Sections

72-Hf-182



7

Incident Energy (MeV)

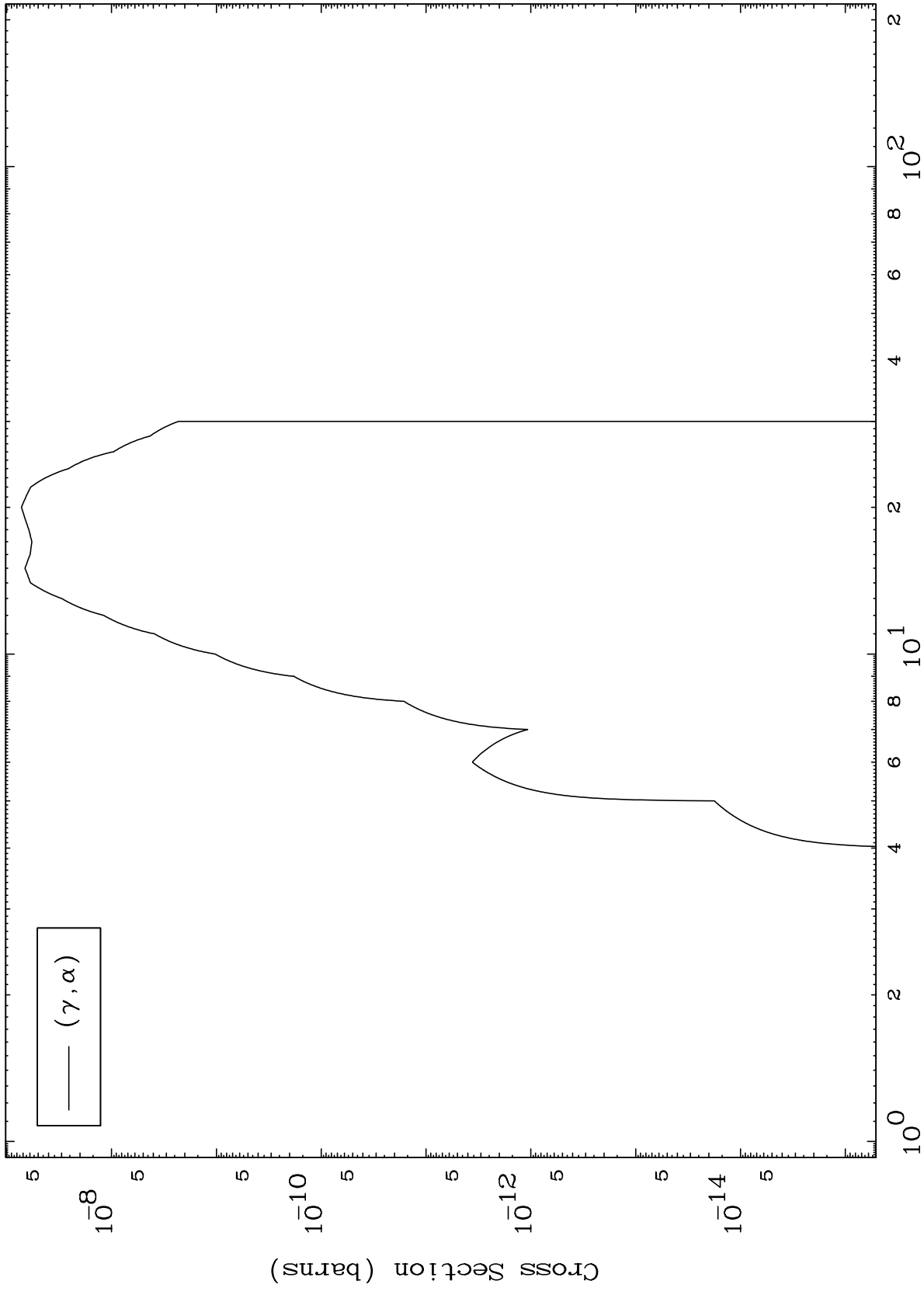
72-Hf-182



MAT 7249

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

72-Hf-182



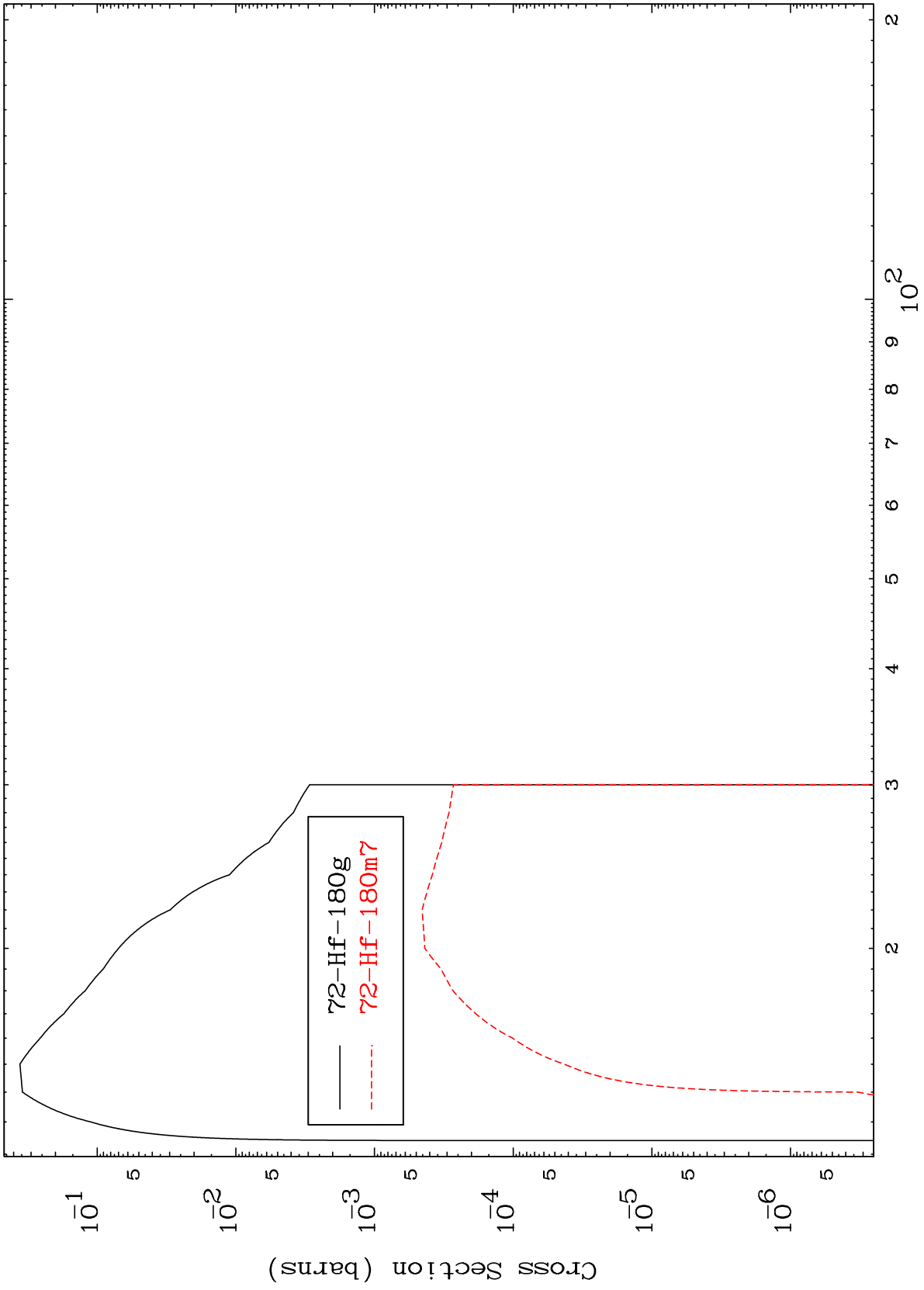
Incident Energy (MeV)

72-Hf-182

MAT 7249

72-Hf-182

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



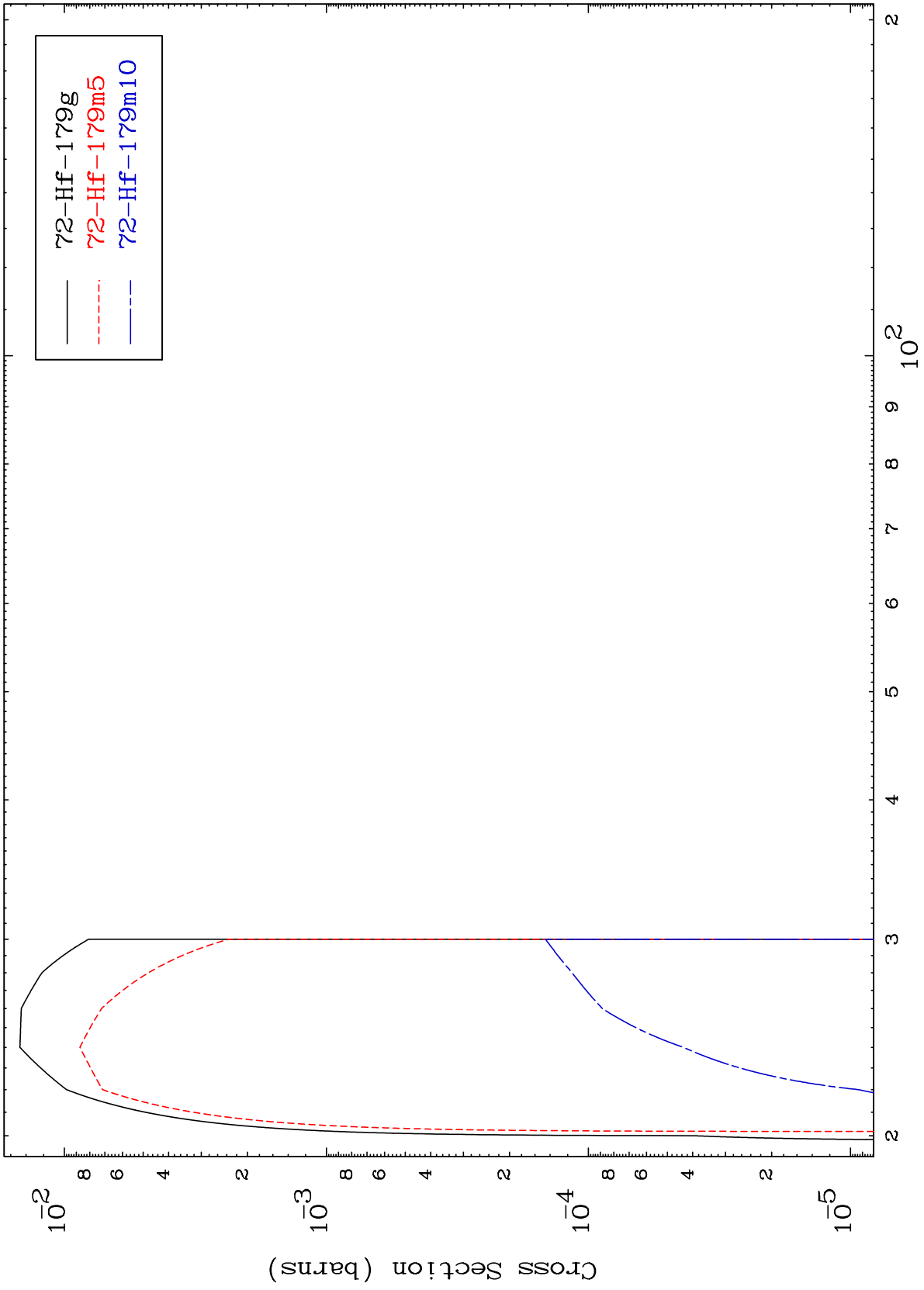
9

72-Hf-182

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72-Hf-182

( $\gamma, 3n$ )  
Radionuclide Production Cross Section



10

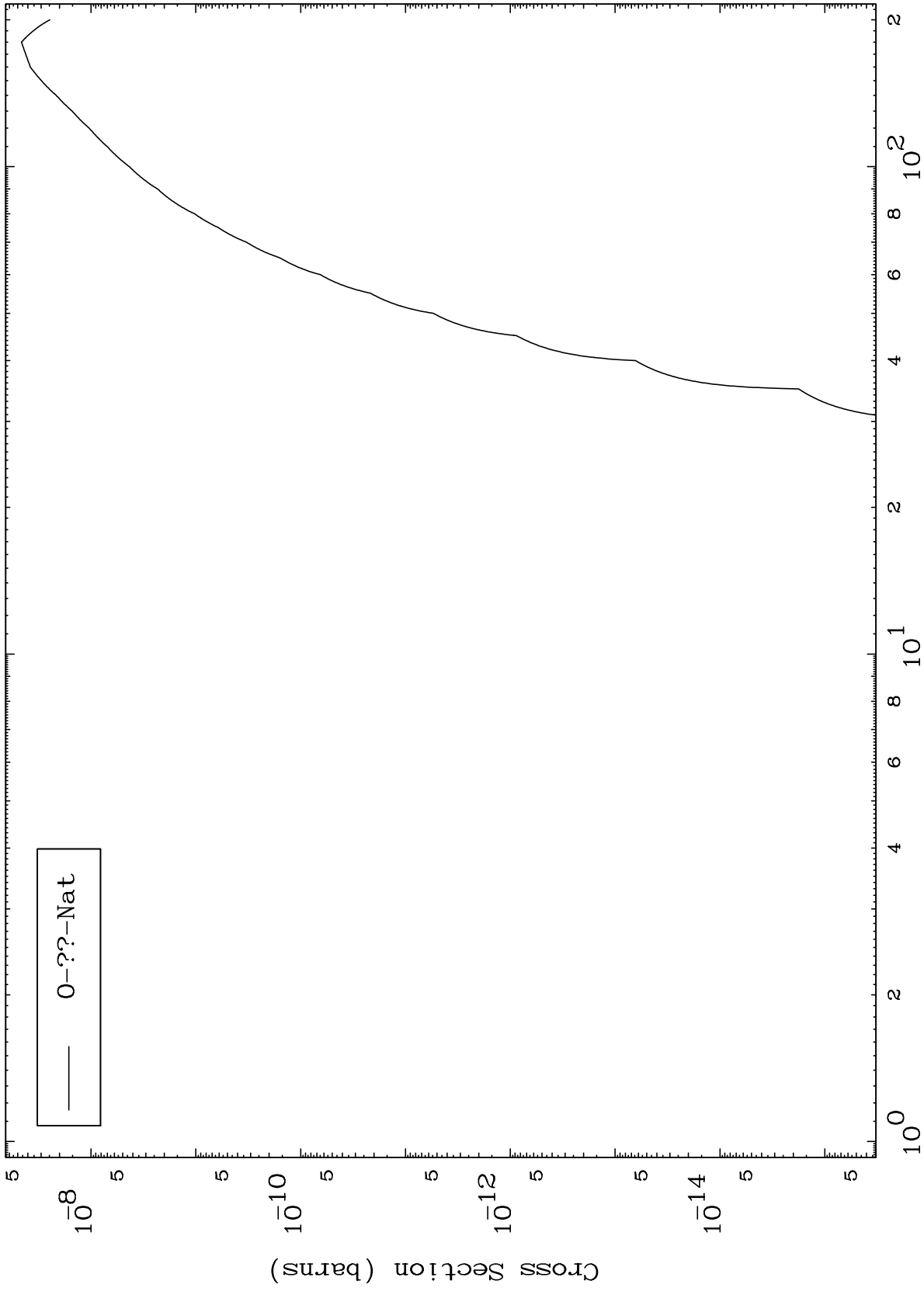
Incident Energy (MeV)

72-Hf-182

MAT 7249

Photon Fission  
Radionuclide Production Cross Section

72-Hf-182



11

Incident Energy (MeV)

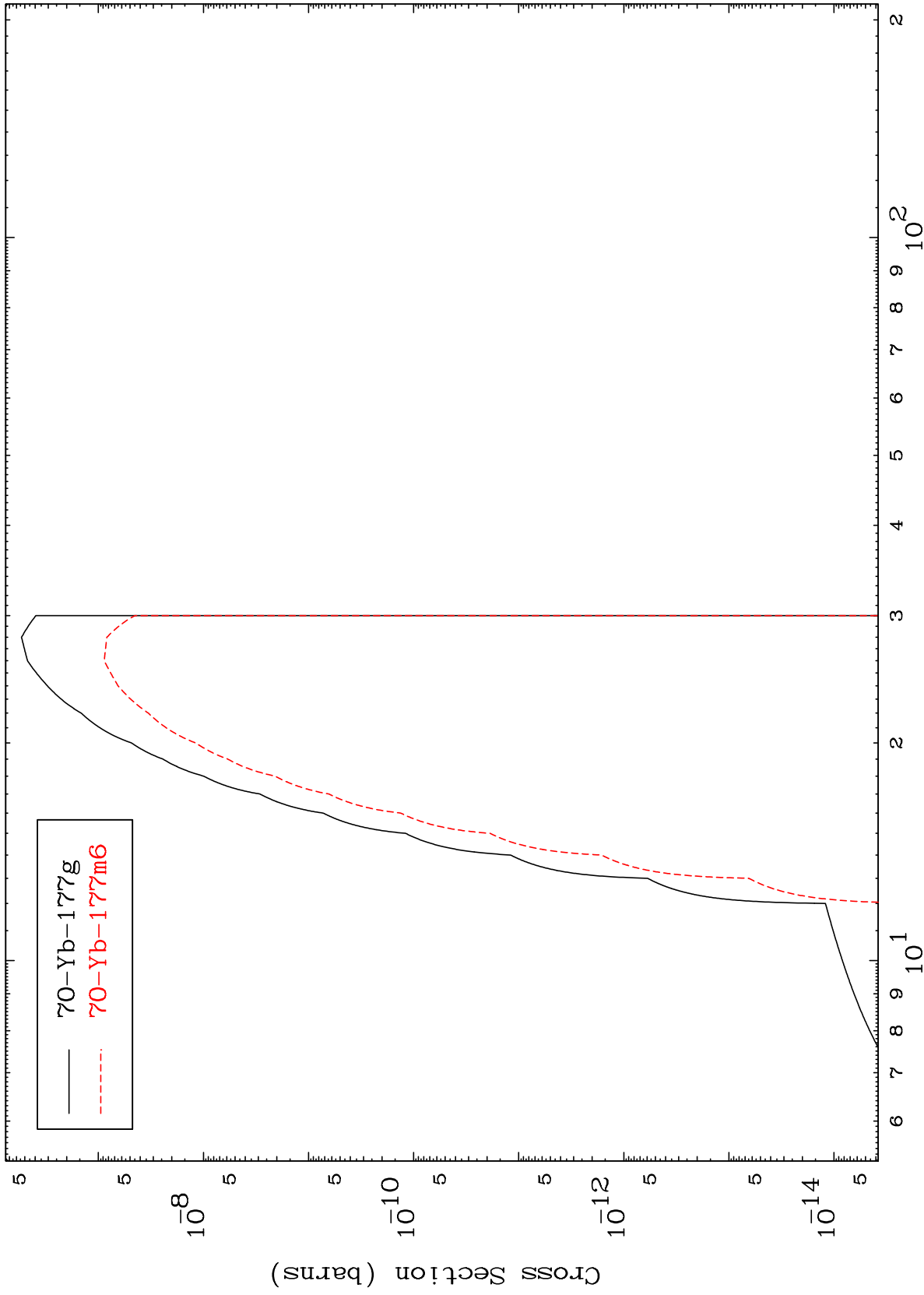
72-Hf-182

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$(\gamma, n') \alpha$

72-Hf-182

Radionuclide Production Cross Section



12

Incident Energy (MeV)

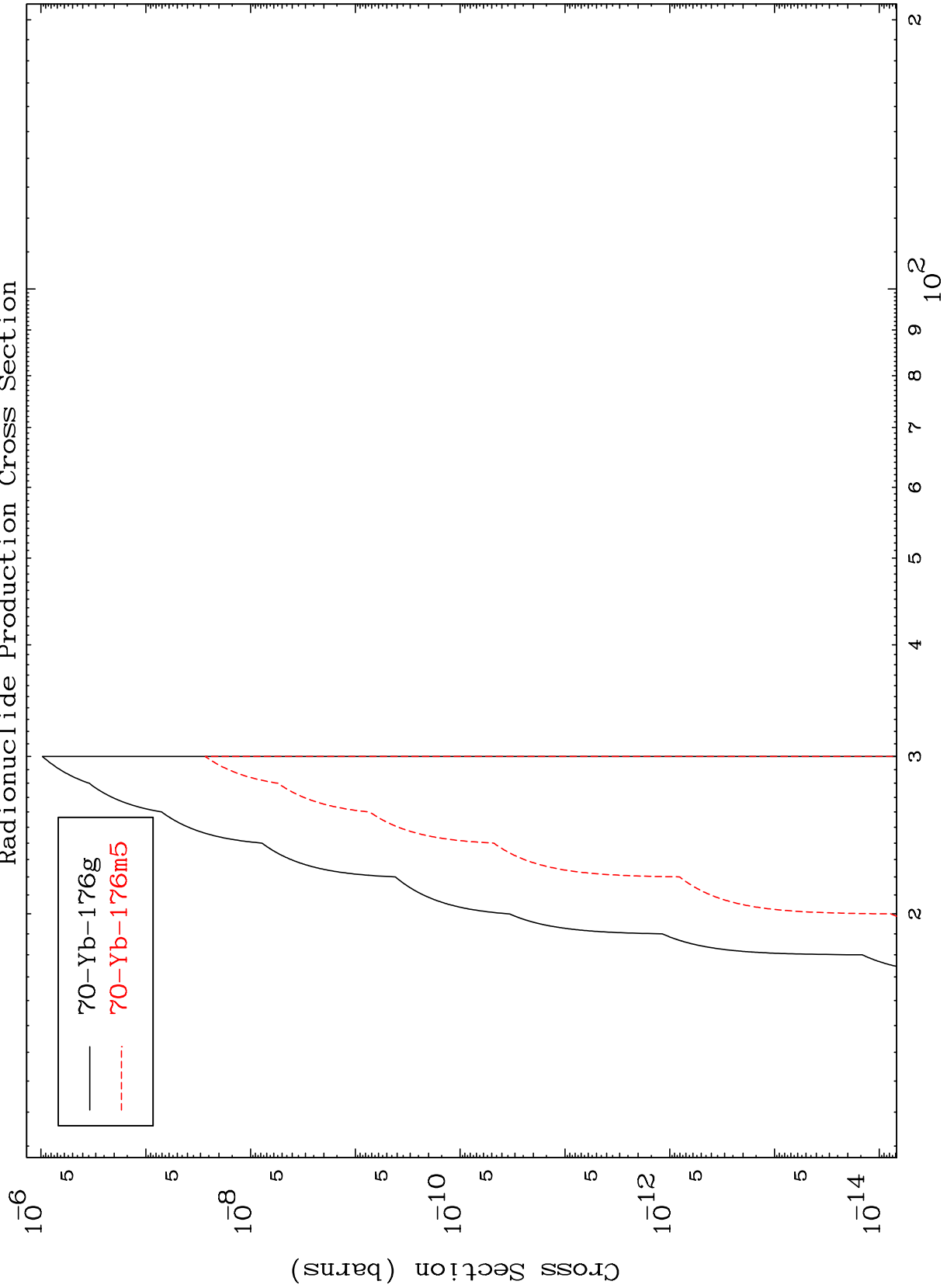
72-Hf-182

MAT 7249

$(\gamma, 2n) \alpha$

72-Hf-182

Radionuclide Production Cross Section



13

Incident Energy (MeV)

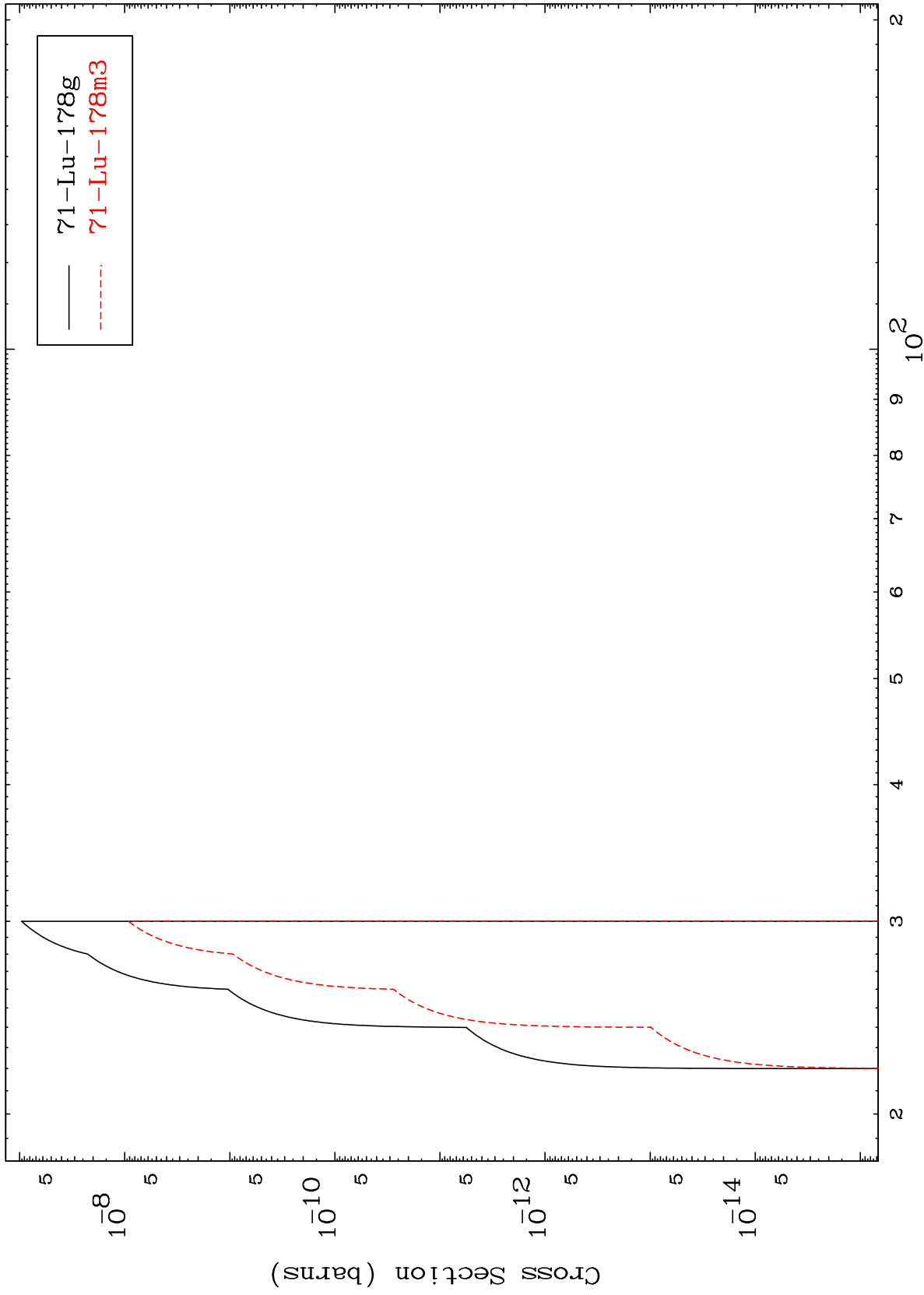
72-Hf-182

MAT 7249

( $\gamma, n'$ ) t

72-Hf-182

Radionuclide Production Cross Section



14

Incident Energy (MeV)

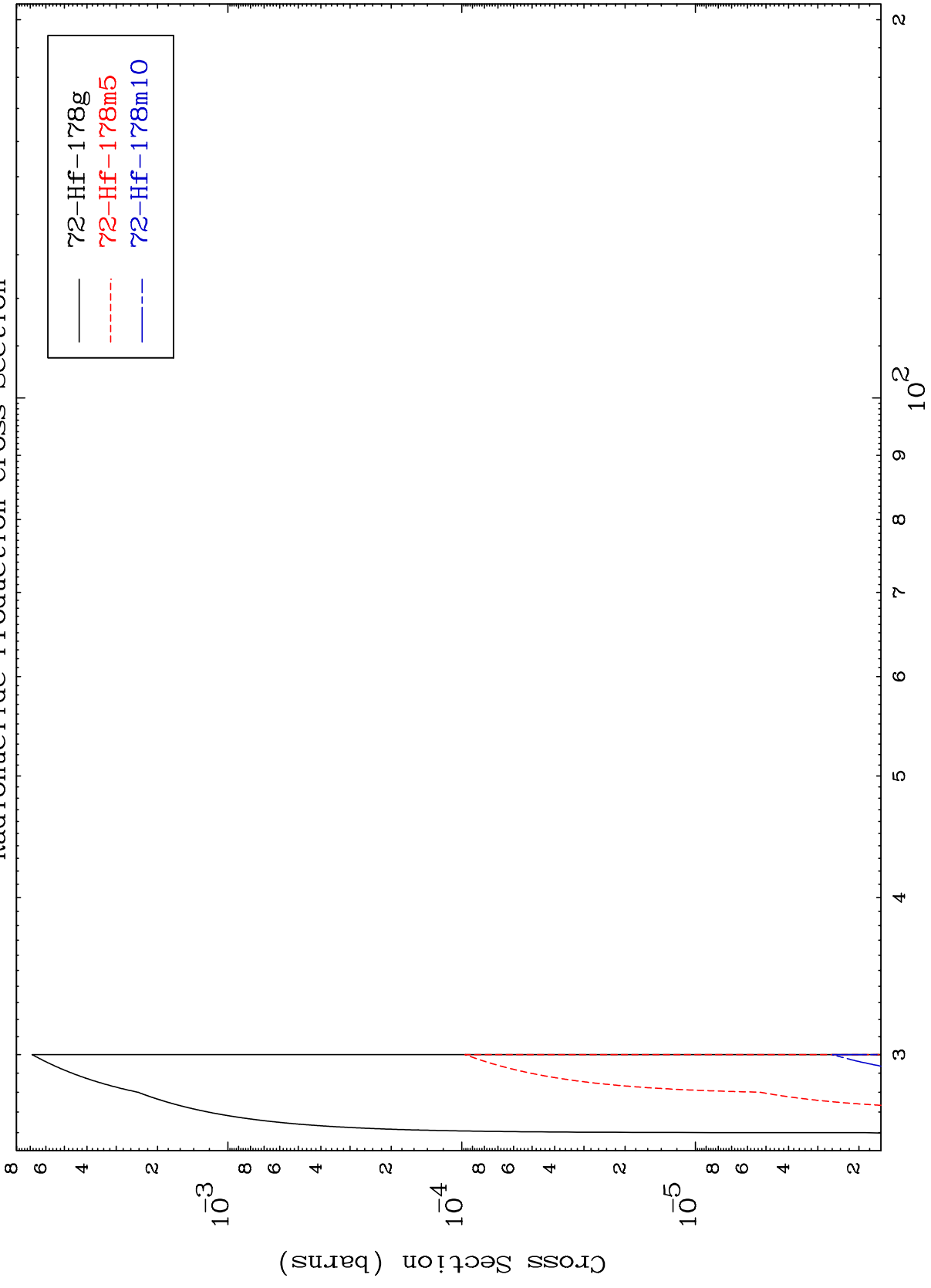
72-Hf-182

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( $\gamma, 4n$ )

72-Hf-182

Radionuclide Production Cross Section



72-Hf-178g  
72-Hf-178m5  
72-Hf-178m10

15

Incident Energy (MeV)

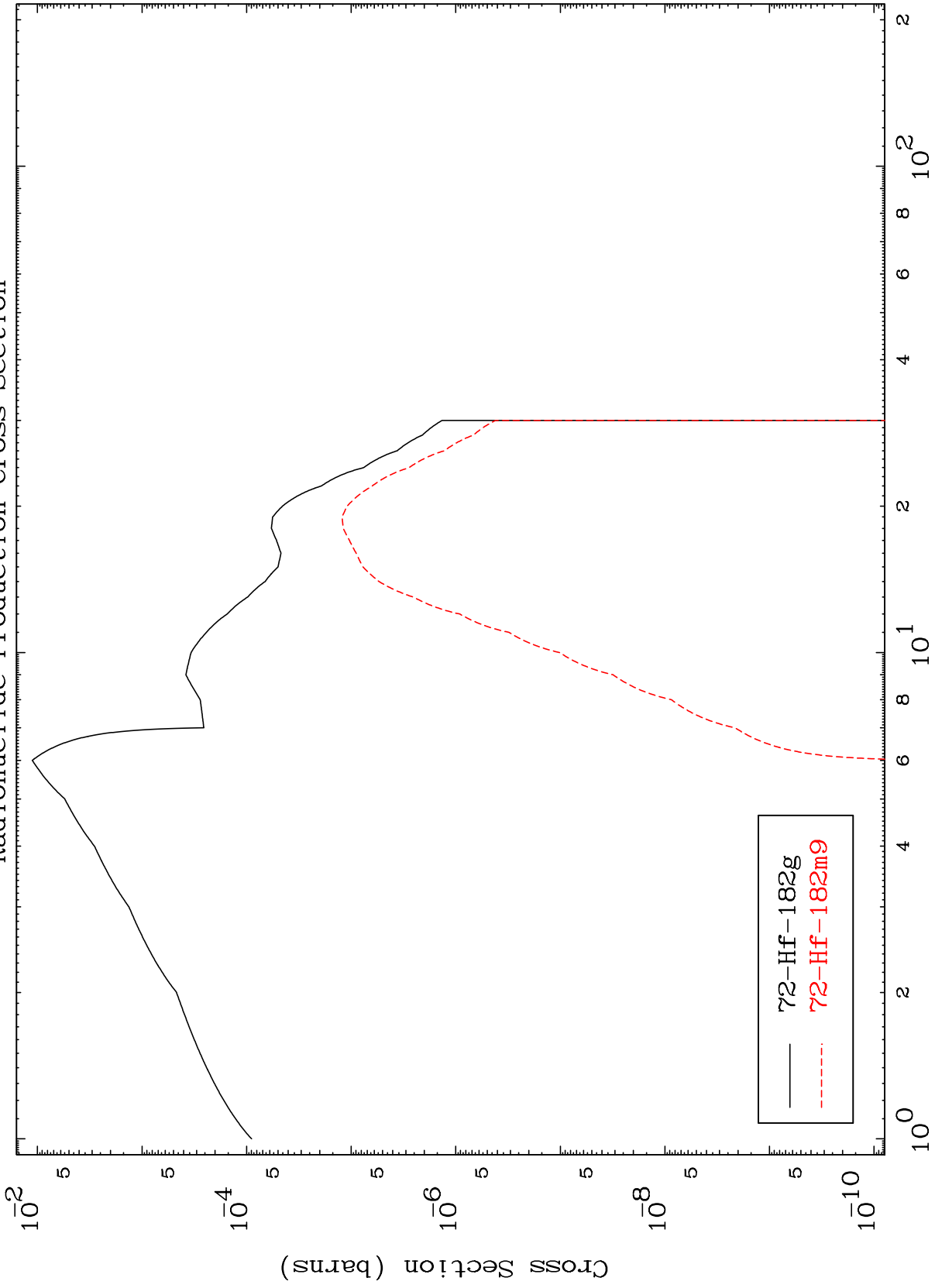
72-Hf-182



MAT 7249

72-Hf-182

Radionuclide Production Cross Section  
( $\gamma, \gamma$ )



Incident Energy (MeV)

72-Hf-182

72-Hf-182g  
72-Hf-182m9