

Program EVALPLOT
(Version 2021-1)

by

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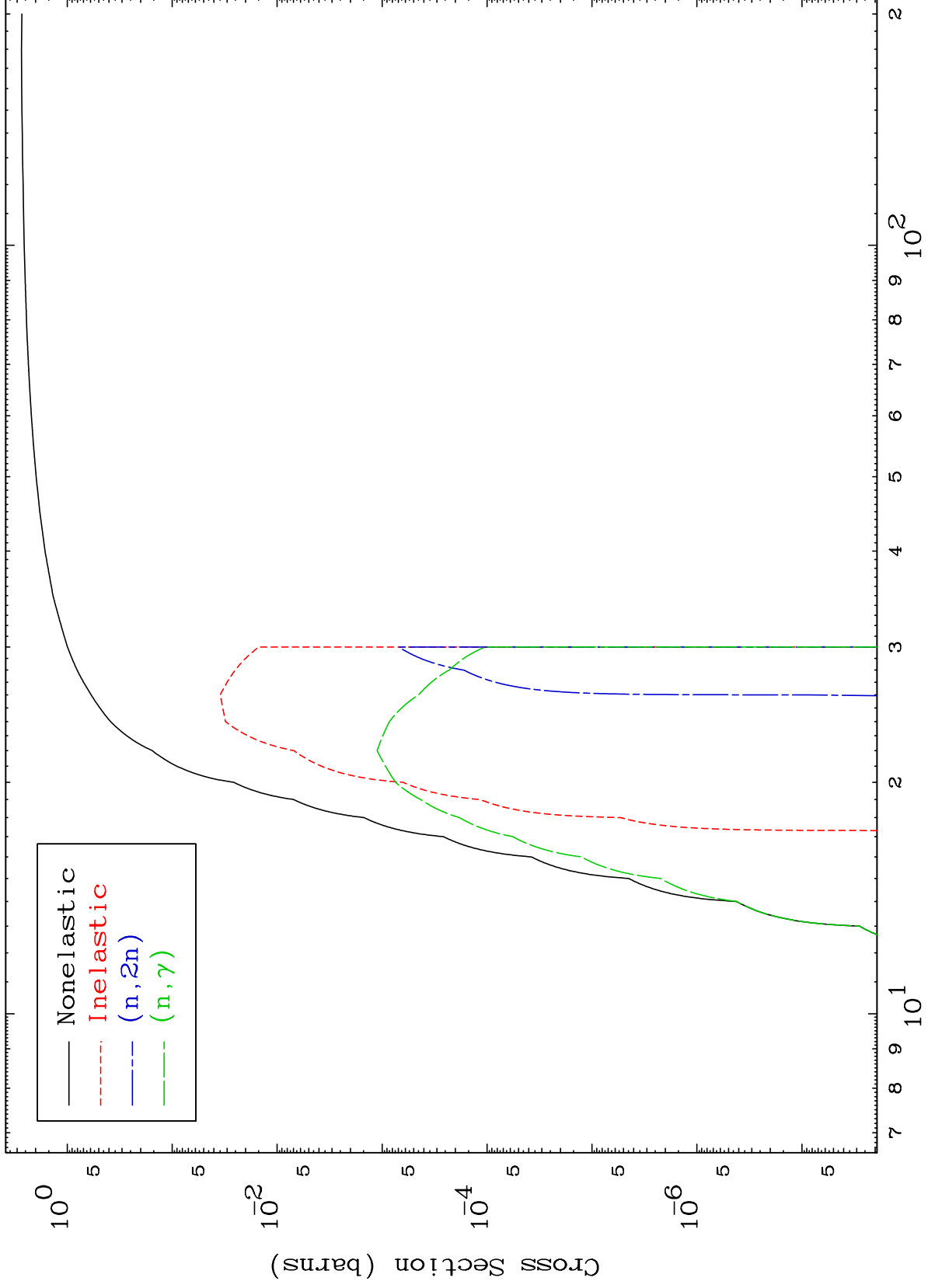
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8283

0 Kelvin Cross Sections

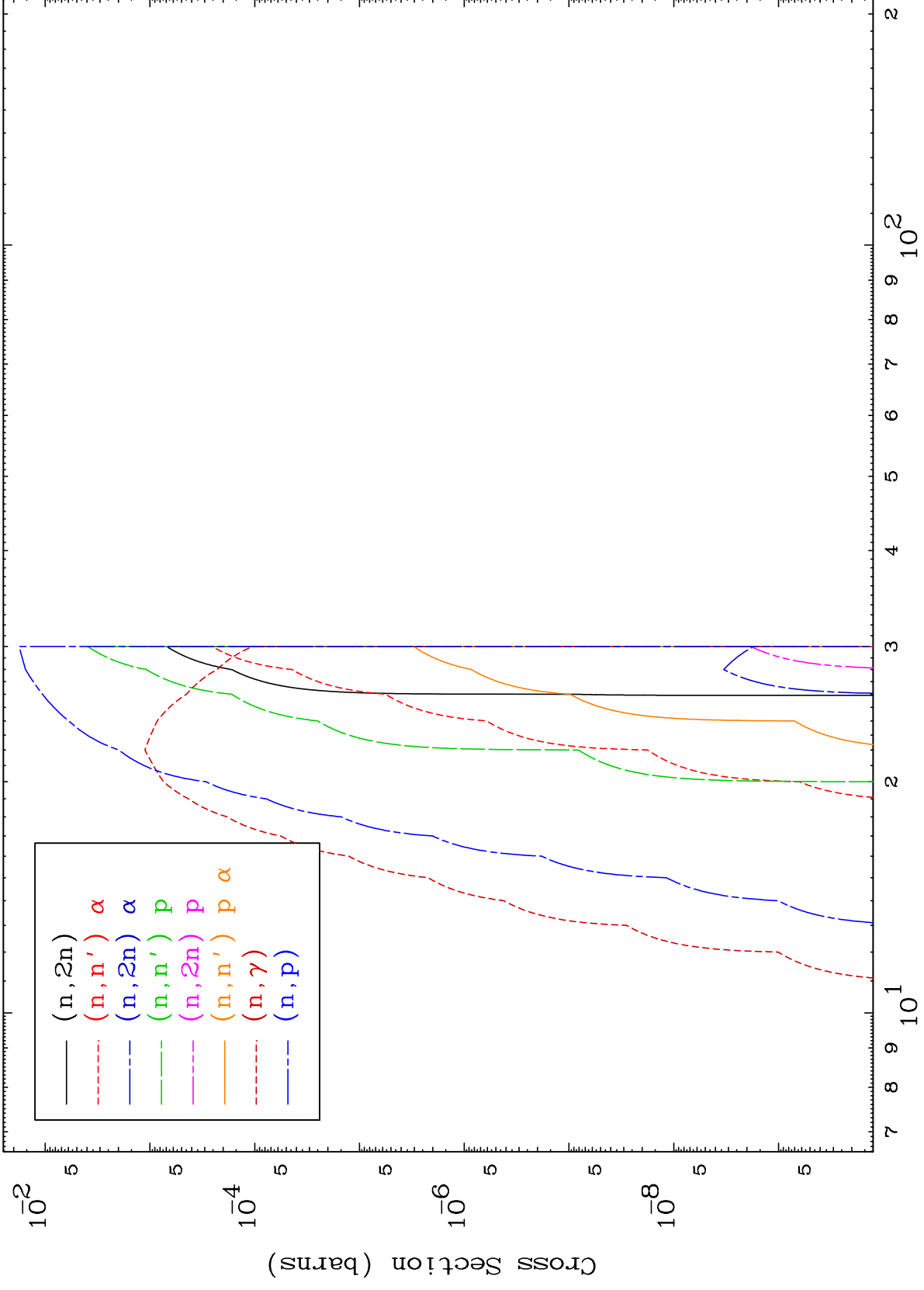
83-Bi-195



1

Incident Energy (MeV)

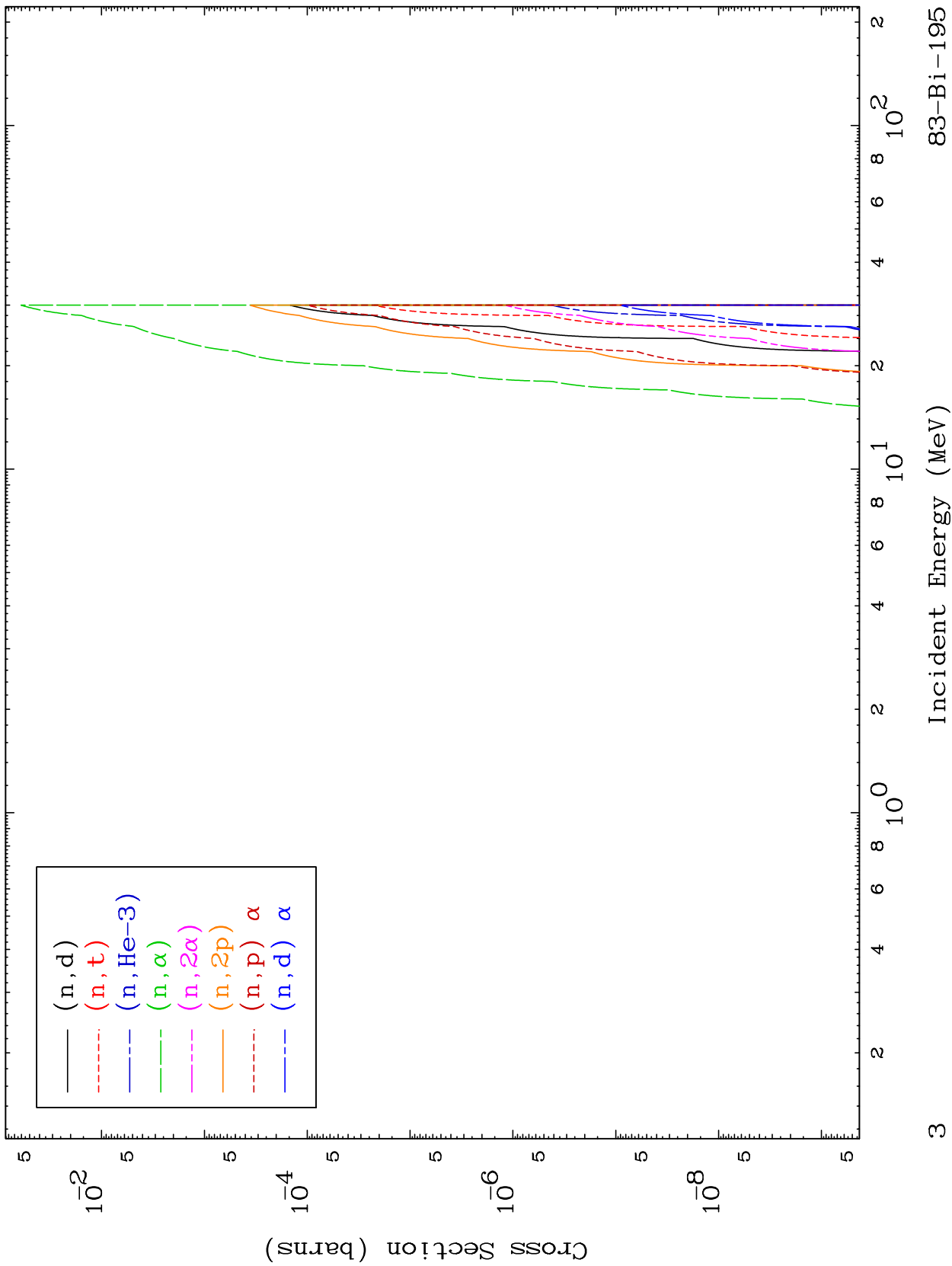
83-Bi-195

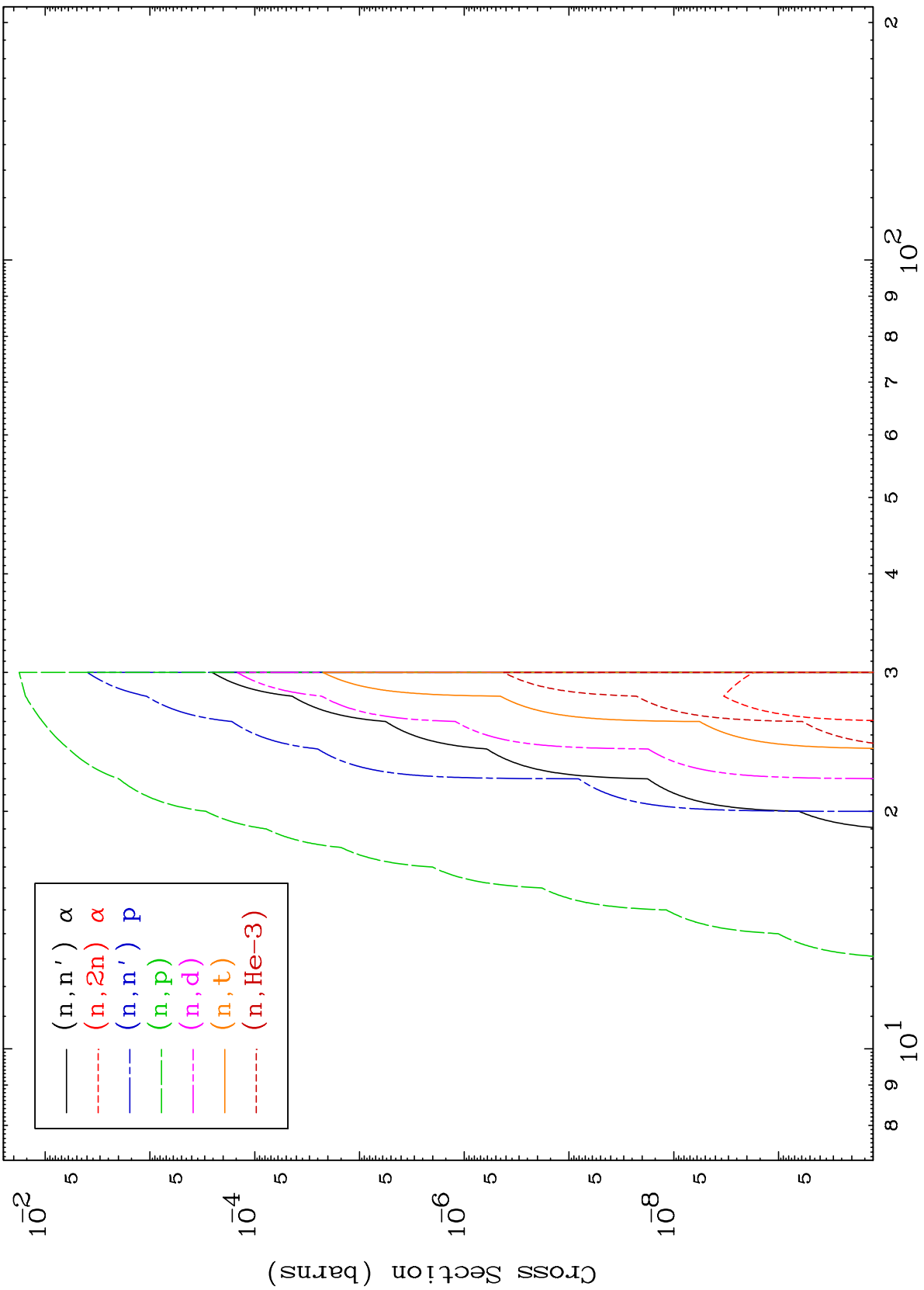


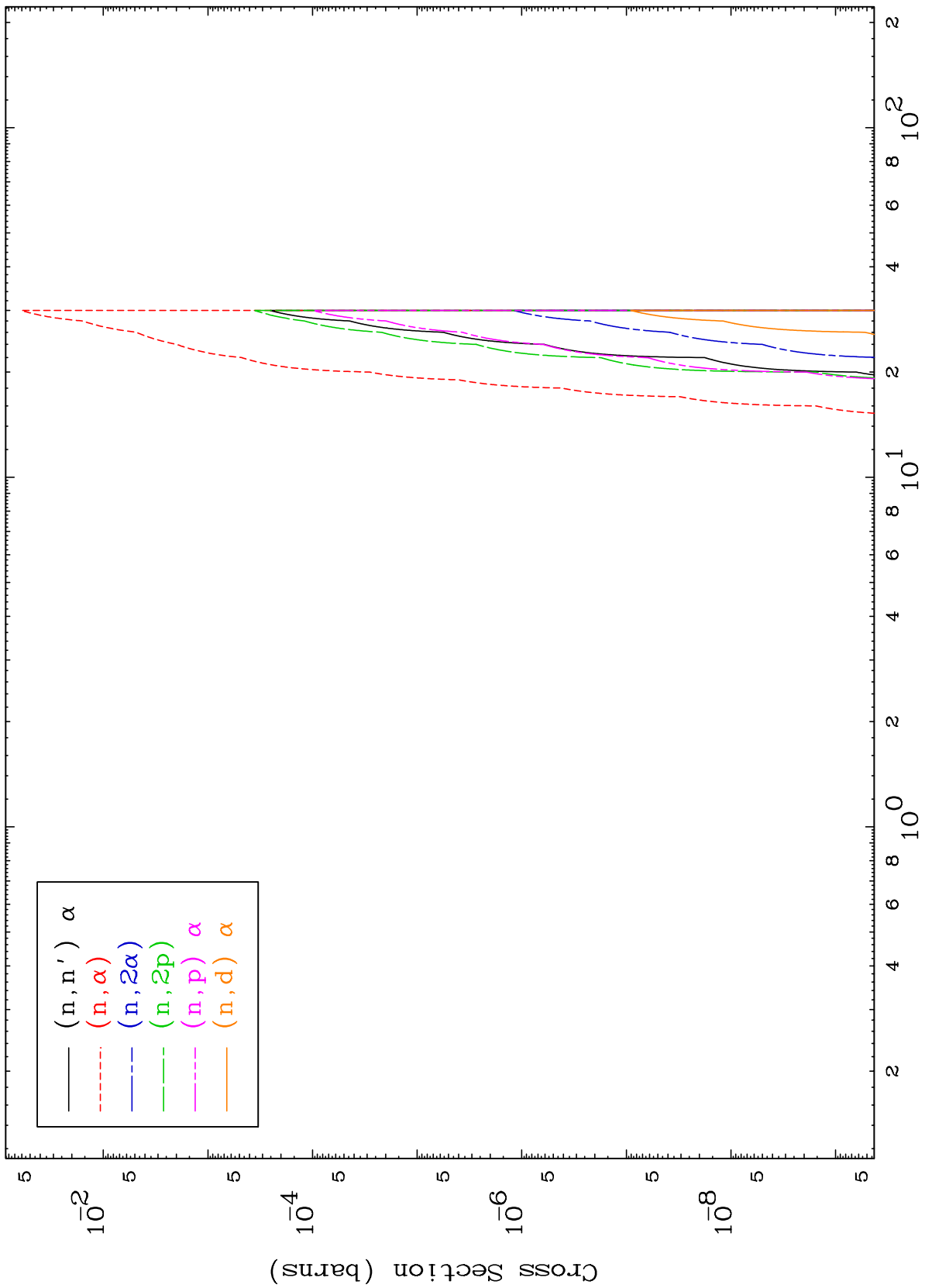
MAT 8283

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-195



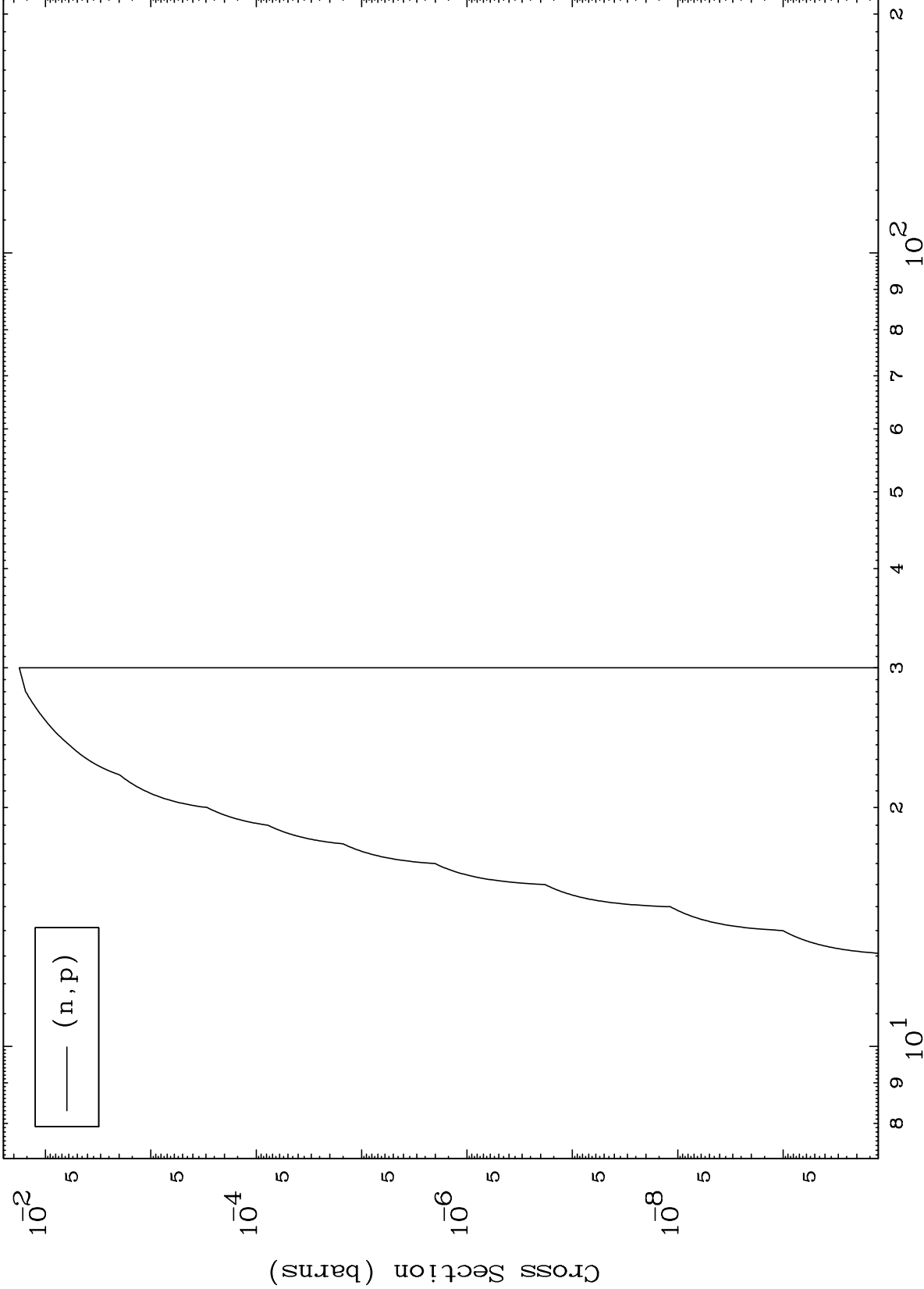




MAT 8283

(α, p) Levels
0 Kelvin Cross Sections

83-Bi-195



6

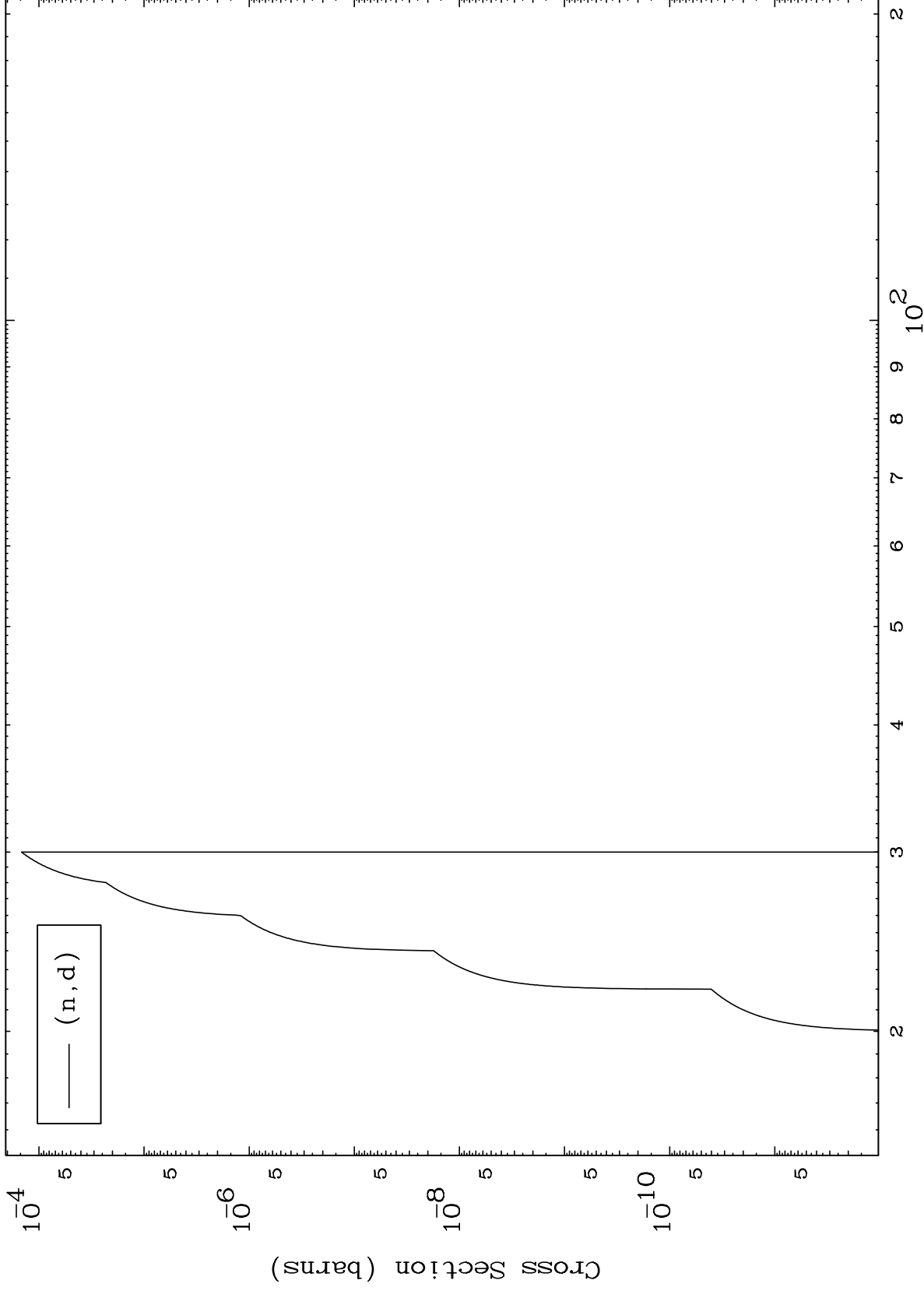
Incident Energy (MeV)

83-Bi-195

MAT 8283

(α, d) Levels
0 Kelvin Cross Sections

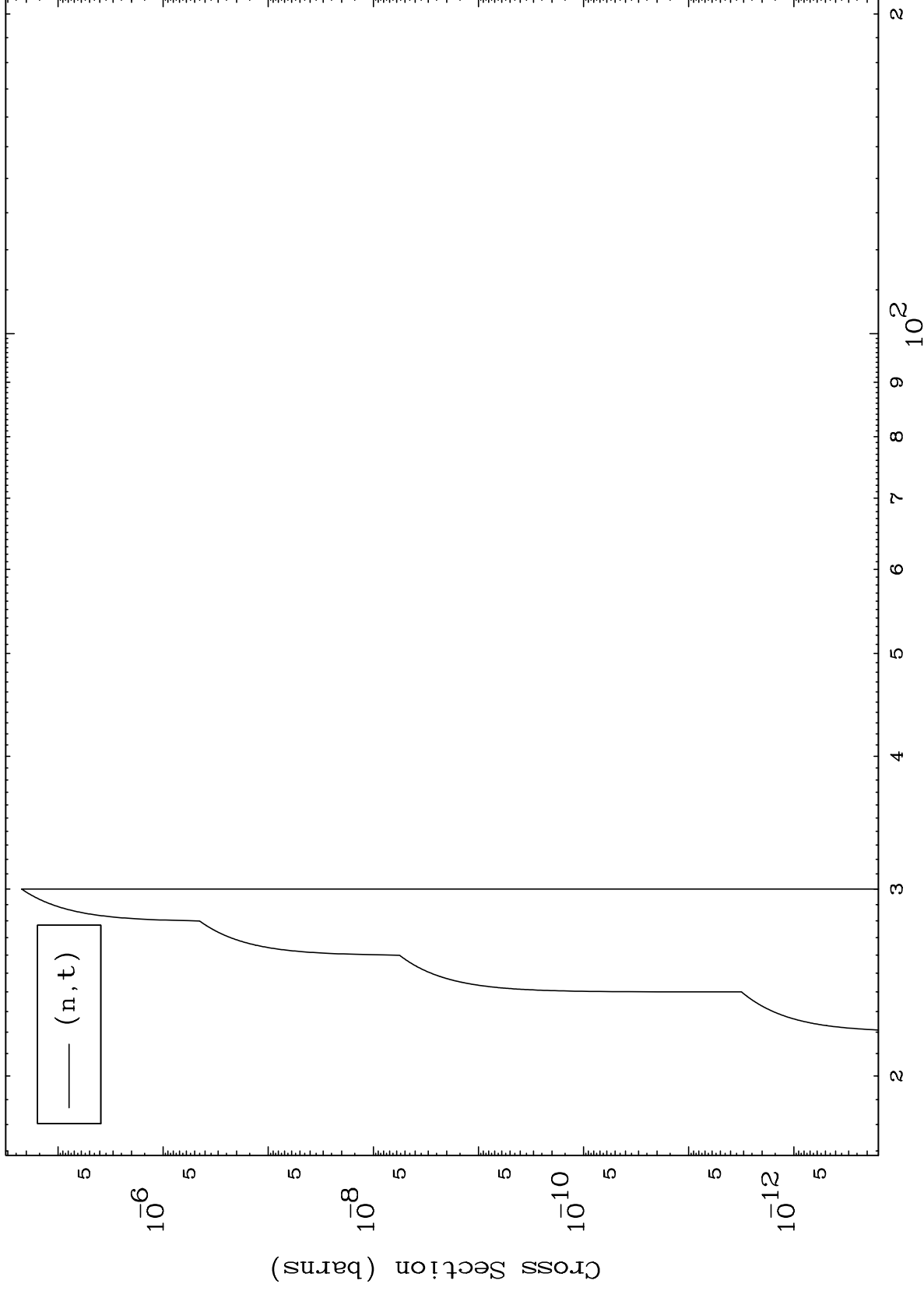
83-Bi-195

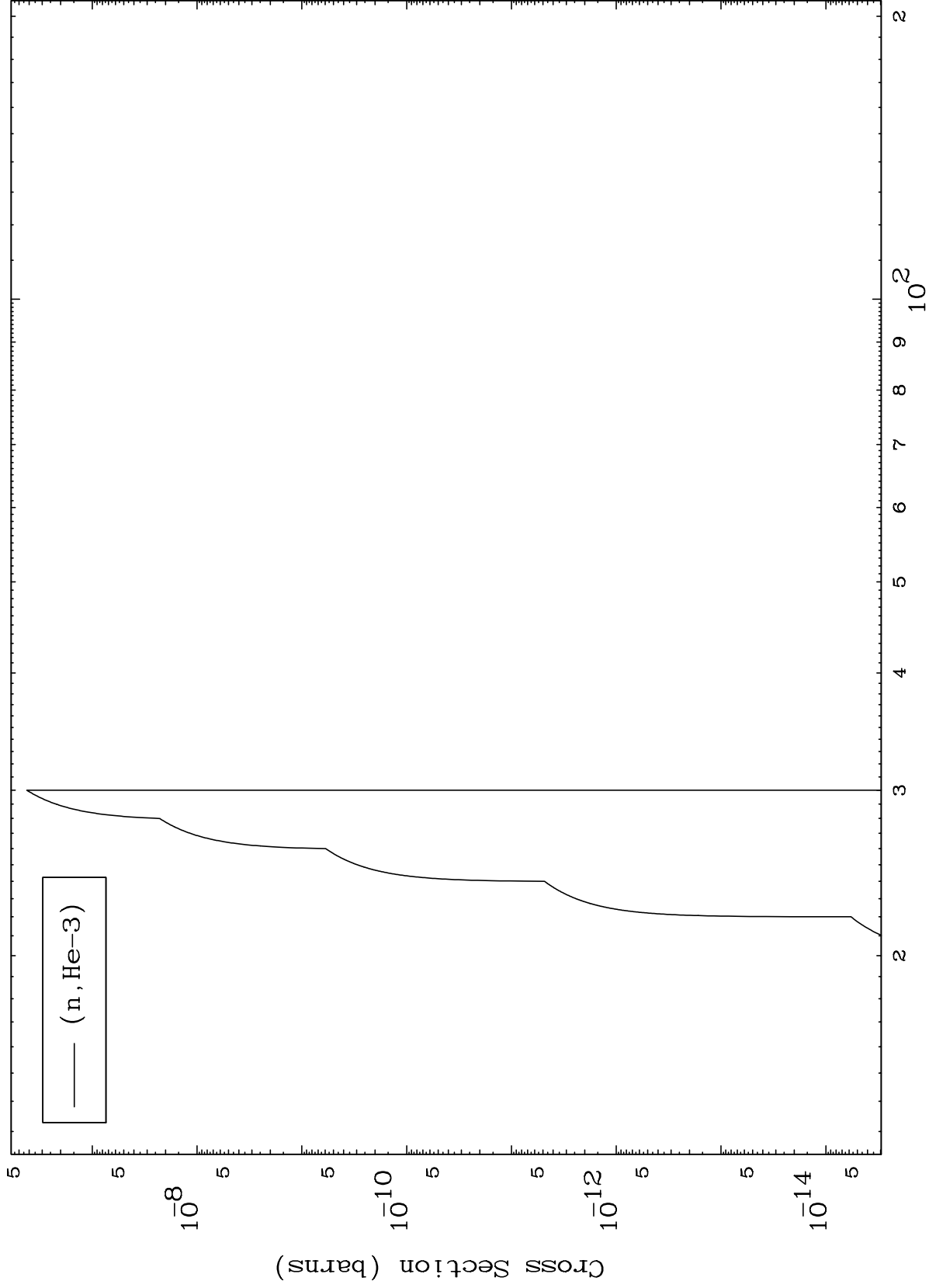


7

Incident Energy (MeV)

83-Bi-195



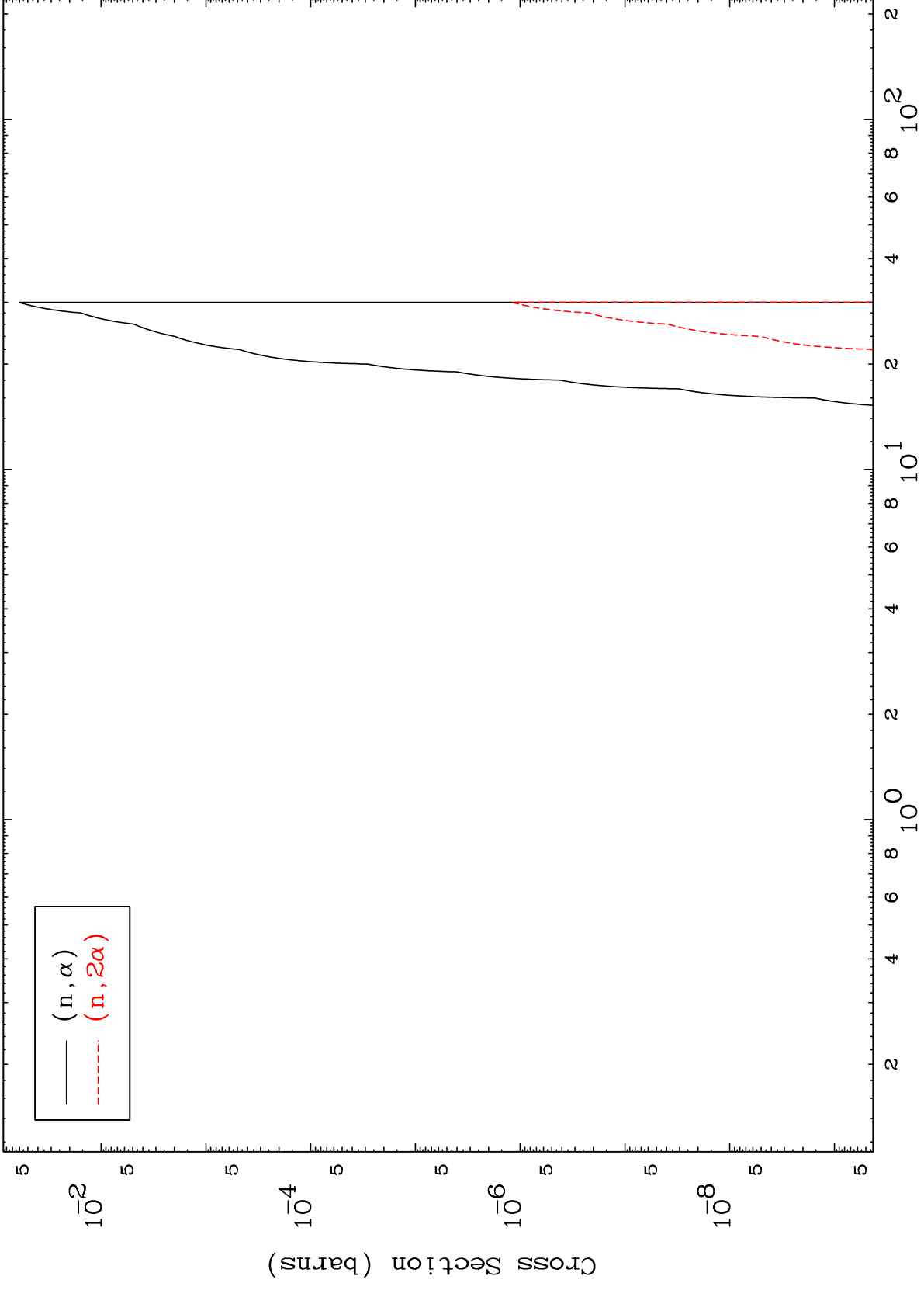


MAT 8283

(α, α) Levels

83-Bi-195

0 Kelvin Cross Sections



— (n, α)
- - - (n, 2α)

10

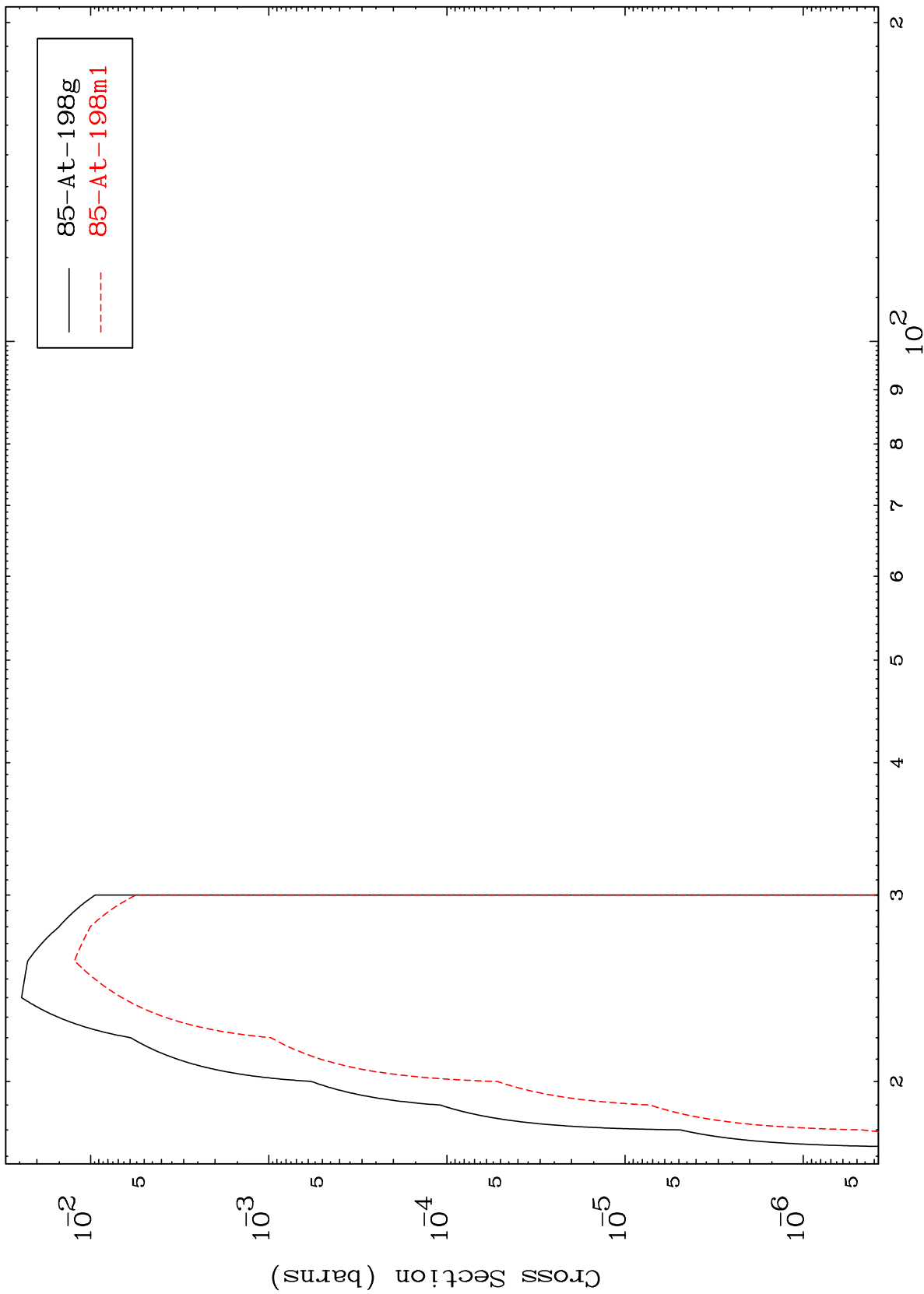
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

Inelastic
Radionuclide Production Cross Section



11

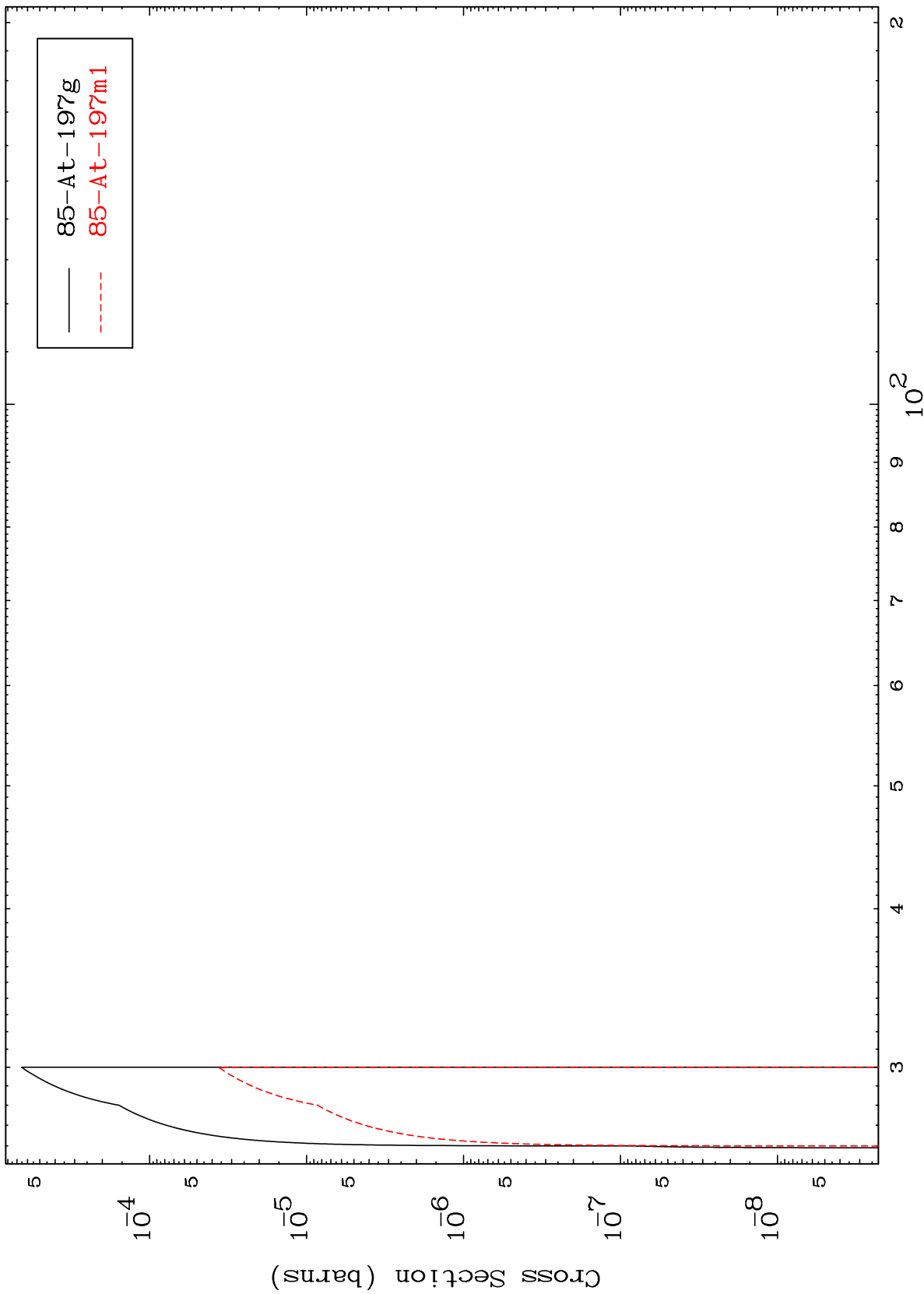
83-Bi-195

Incident Energy (MeV)

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83-Bi-195

(n,2n)
Radionuclide Production Cross Section



83-Bi-195

Incident Energy (MeV)

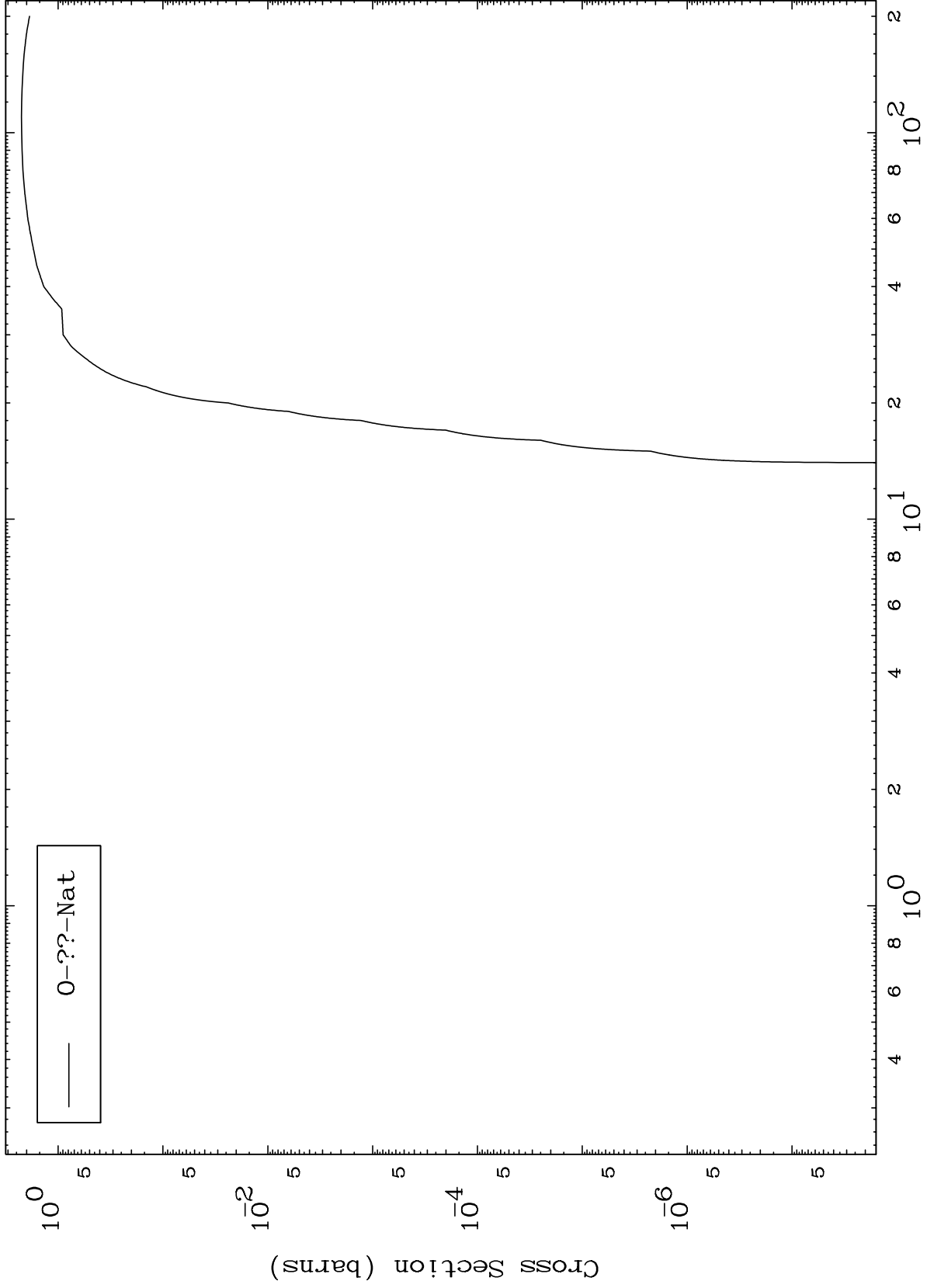
12

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Fission

83-Bi-195

Radionuclide Production Cross Section



13

Incident Energy (MeV)

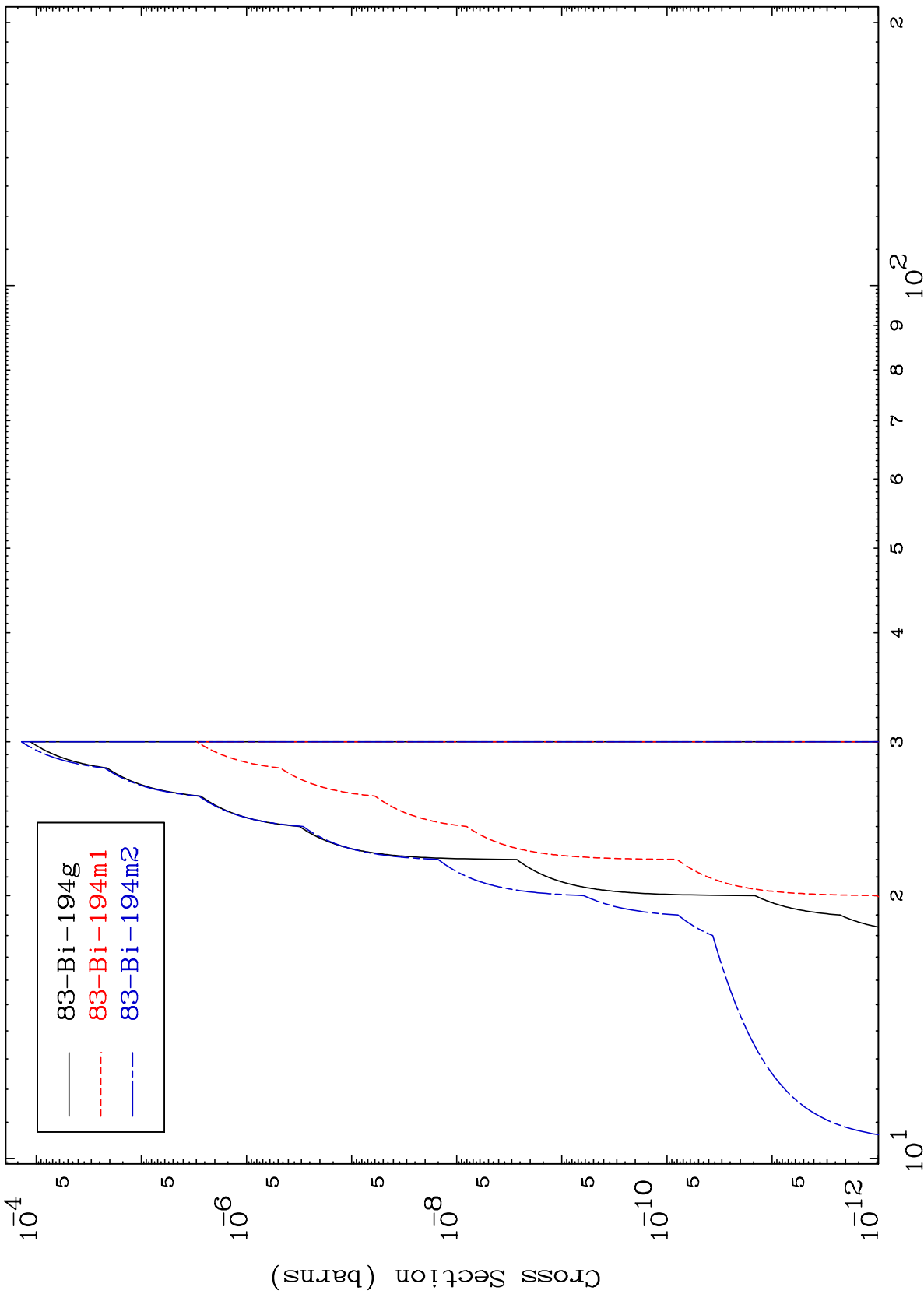
83-Bi-195

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$(n, n') \alpha$

83-Bi-195

Radionuclide Production Cross Section



14

Incident Energy (MeV)

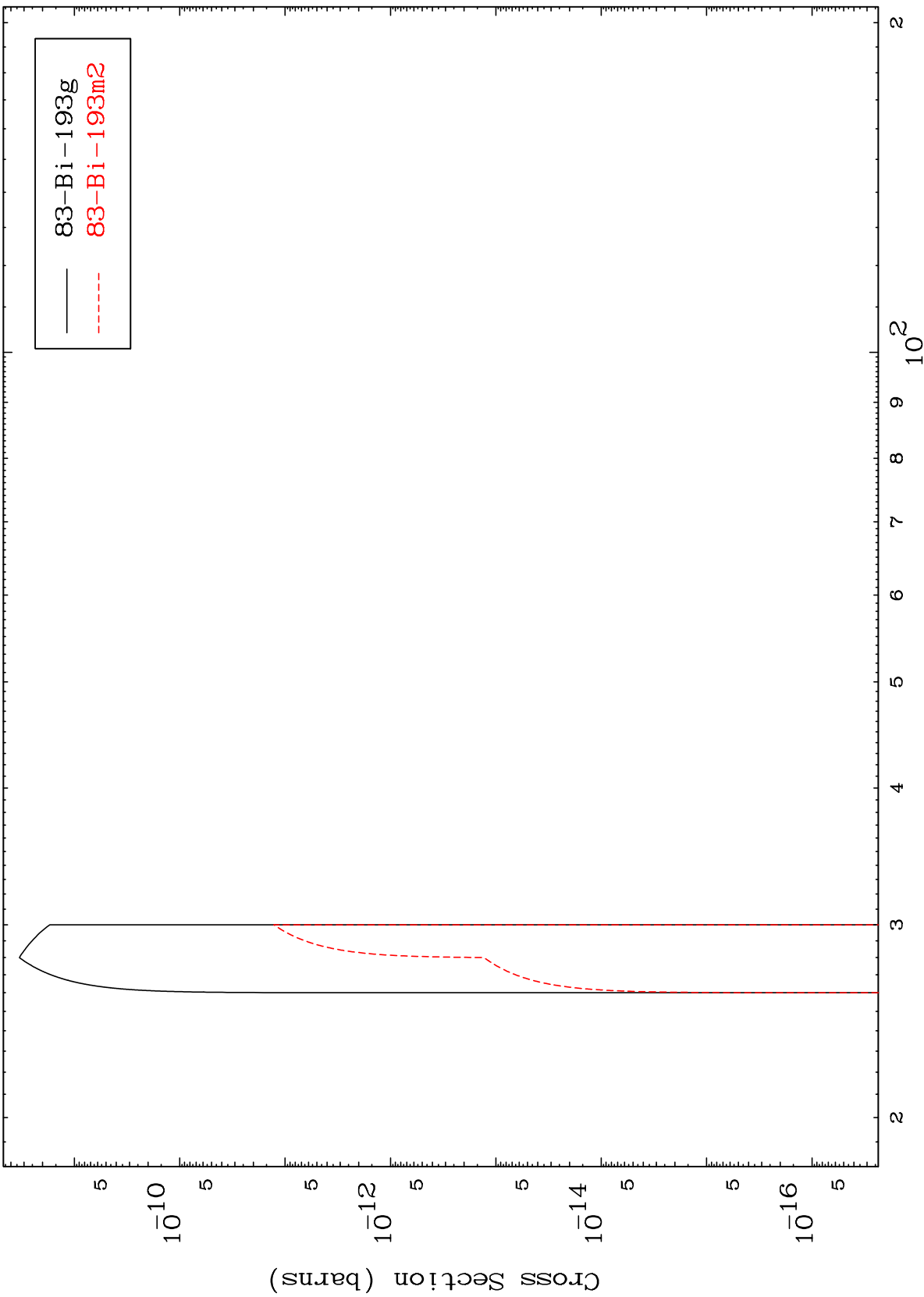
83-Bi-195

MAT 8283

⁸³Bi-195

(n,2n) α

Radionuclide Production Cross Section

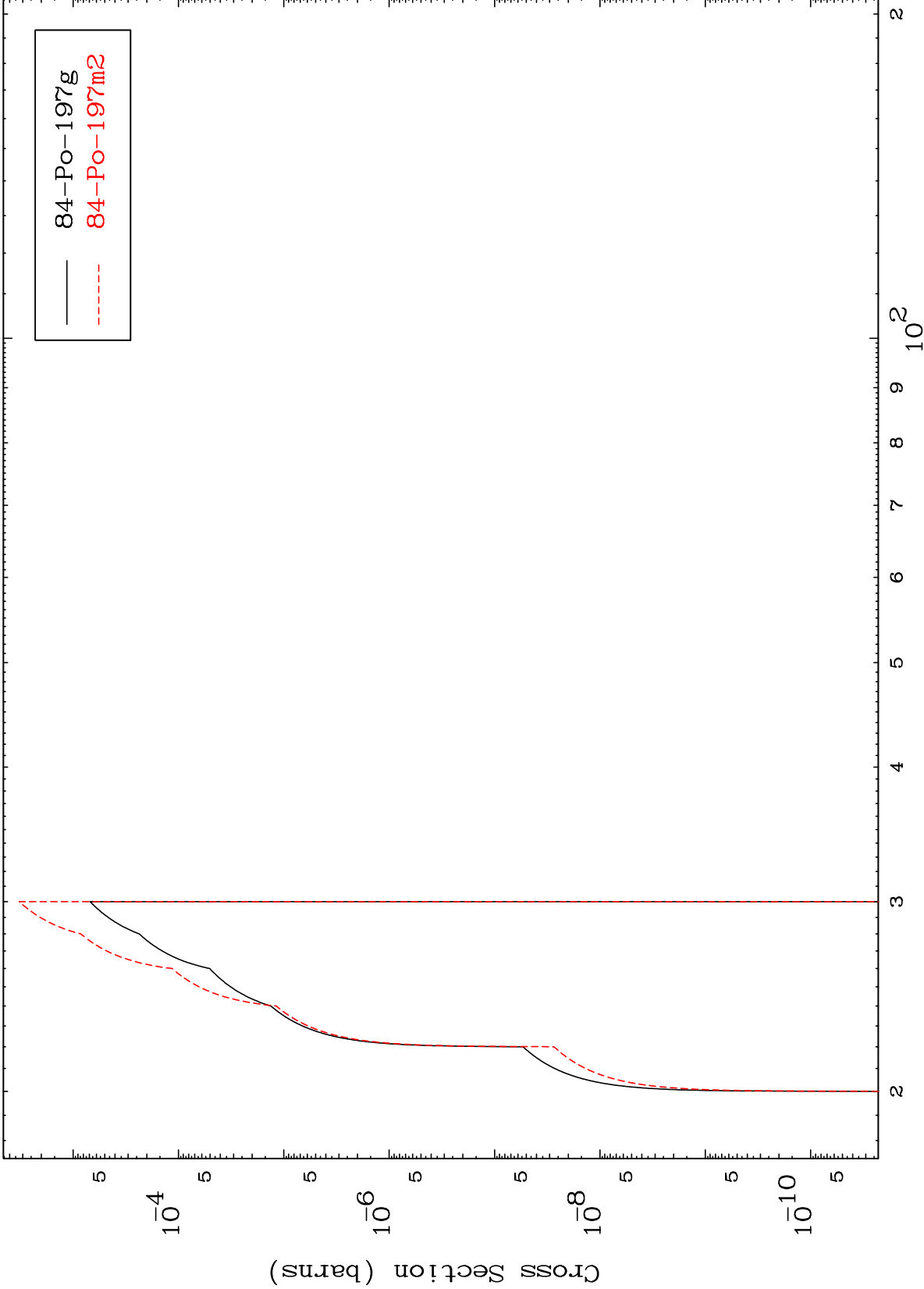


15

Incident Energy (MeV)

⁸³Bi-195

Radionuclide Production Cross Section



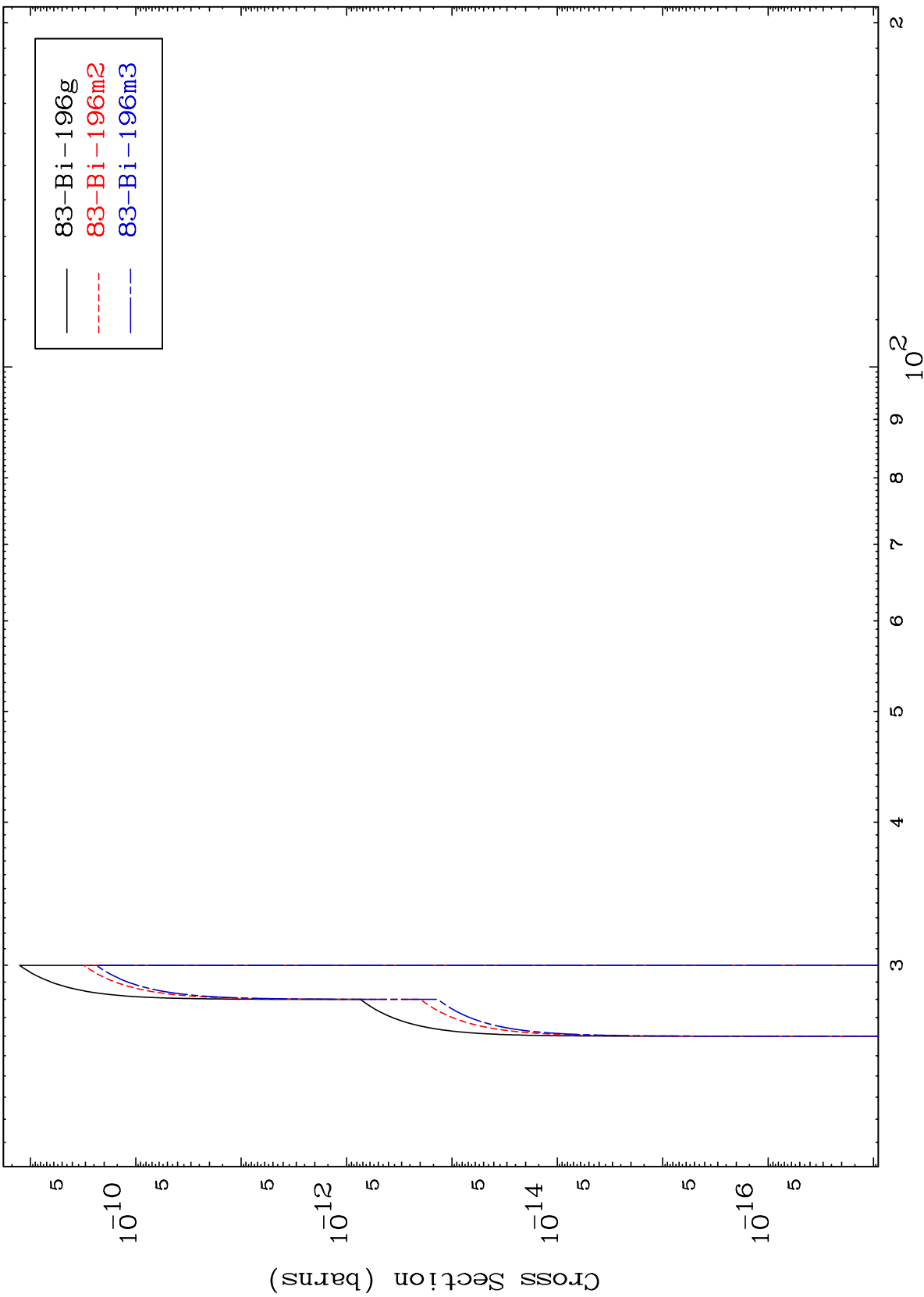
84-Po-197g
84-Po-197m2

MAT 8283

$(n,2n)$ p

$^{83}\text{Bi}-195$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

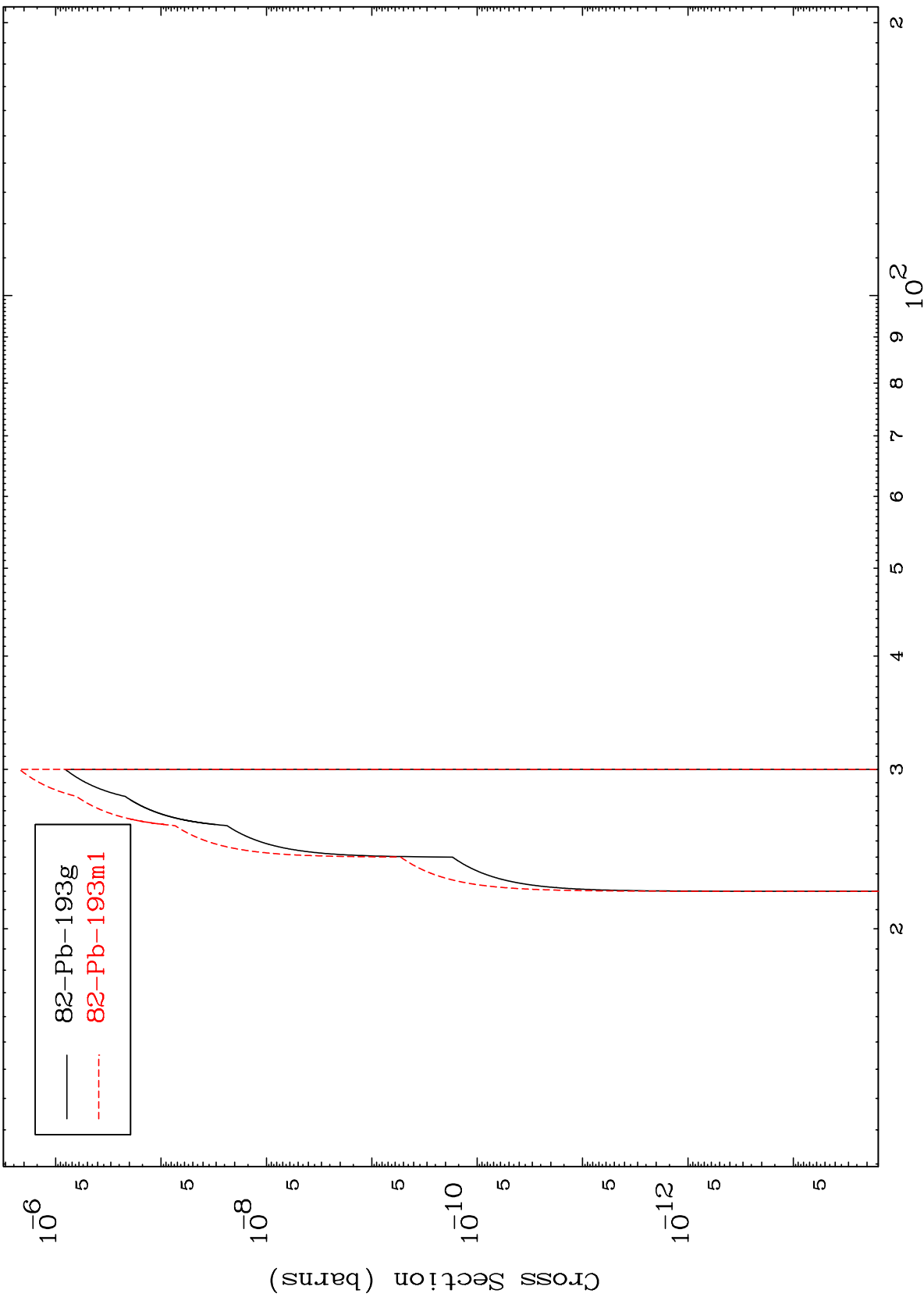
$^{83}\text{Bi}-195$

MAT 8283

(n,n') p α

83-Bi-195

Radionuclide Production Cross Section

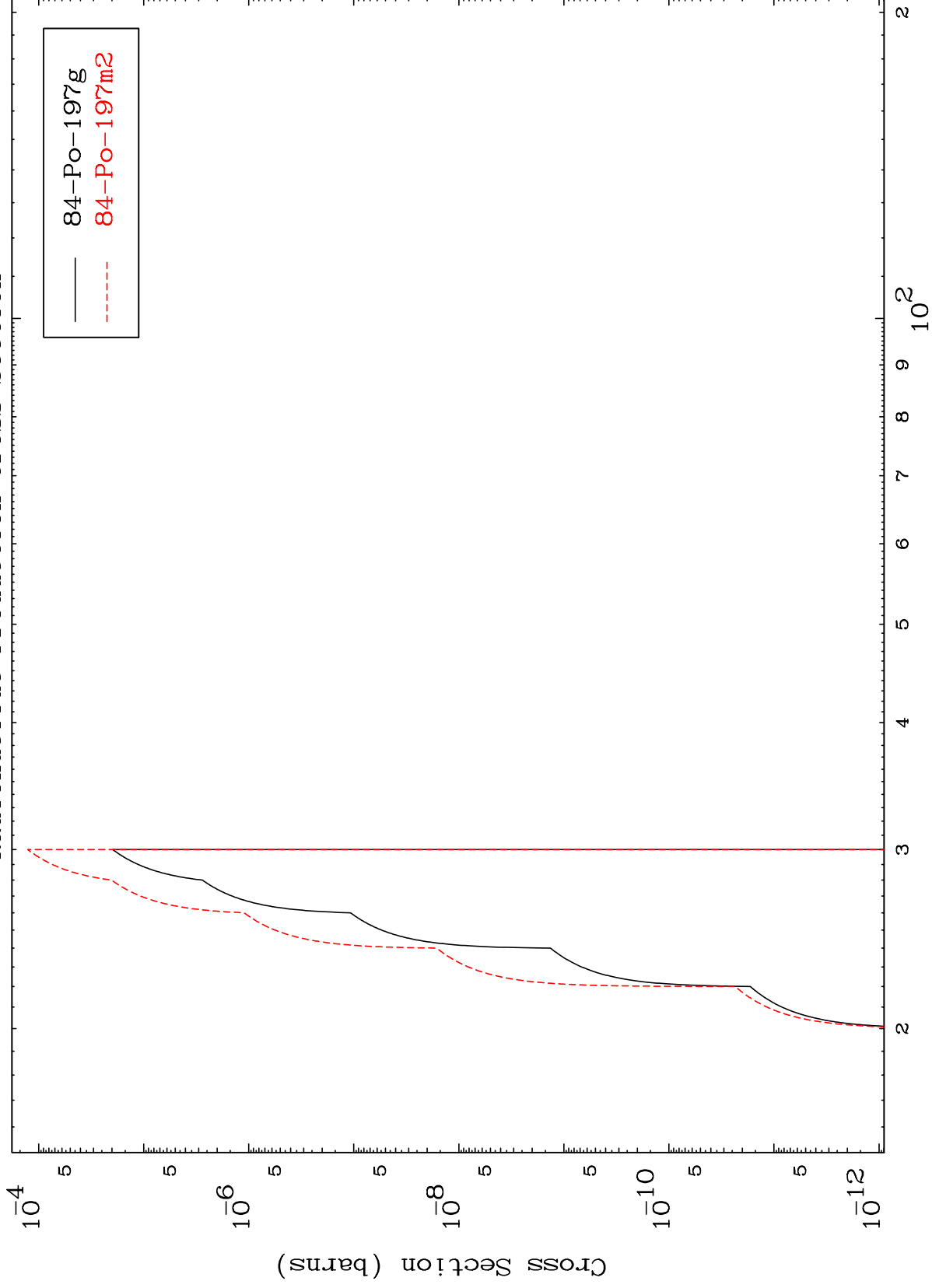


MAT 8283

(n,d)

83-Bi-195

Radionuclide Production Cross Section



19

Incident Energy (MeV)

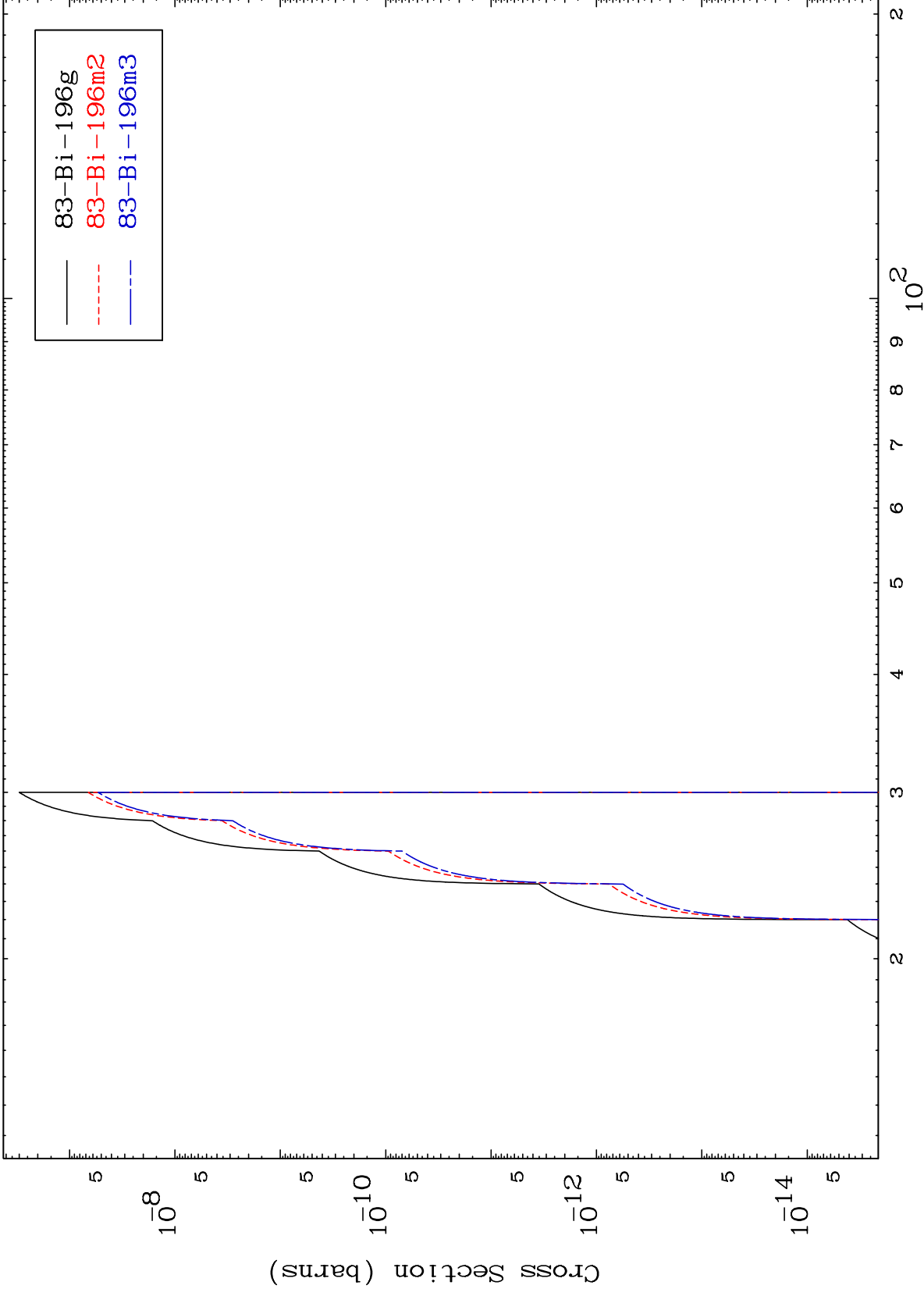
83-Bi-195

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(n,He-3)

83-Bi-195

Radionuclide Production Cross Section



20

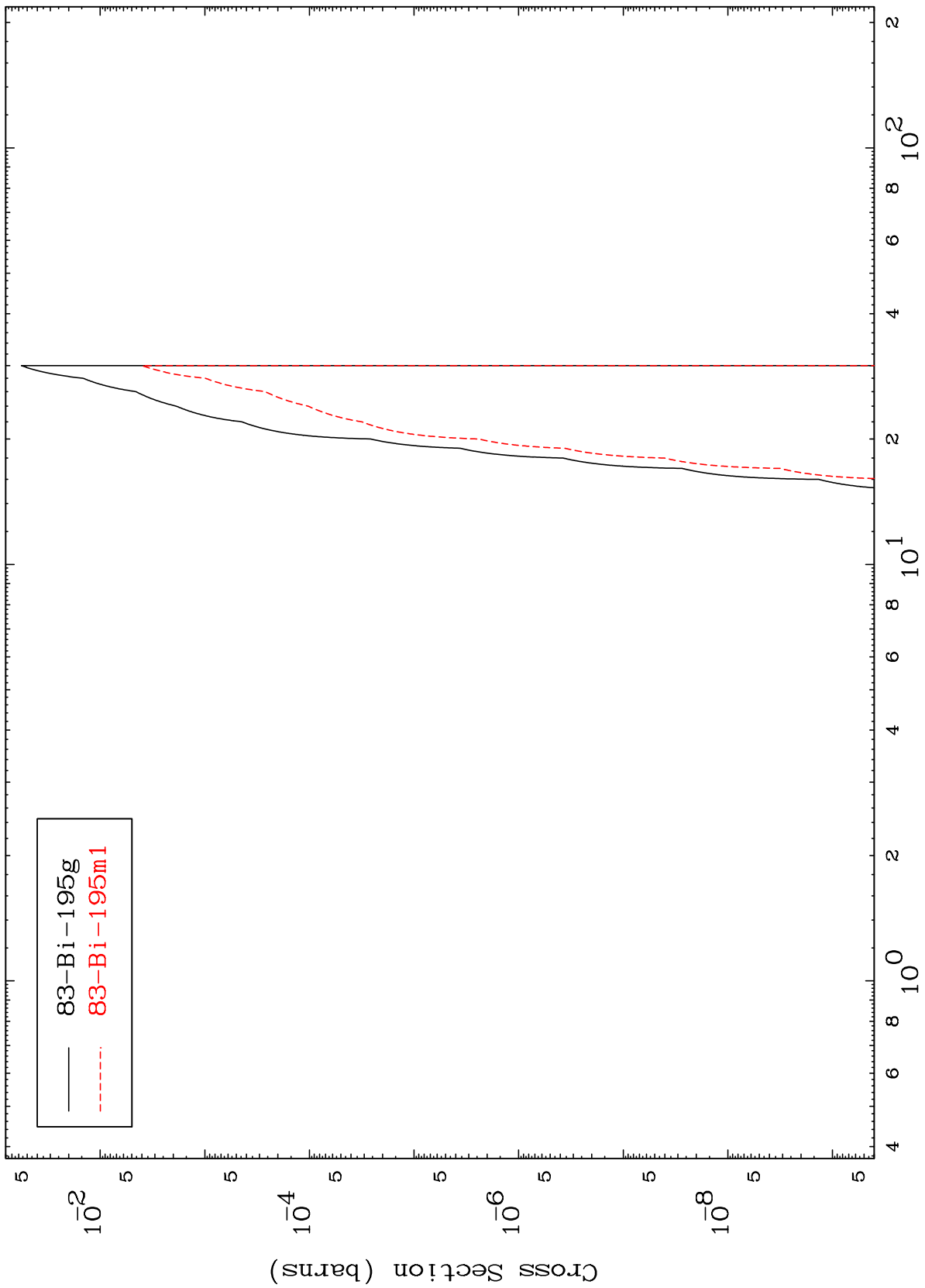
Incident Energy (MeV)

83-Bi-195

MAT 8283

83-Bi-195

(n,α)
Radionuclide Production Cross Section



83-Bi-195g
83-Bi-195m1

83-Bi-195

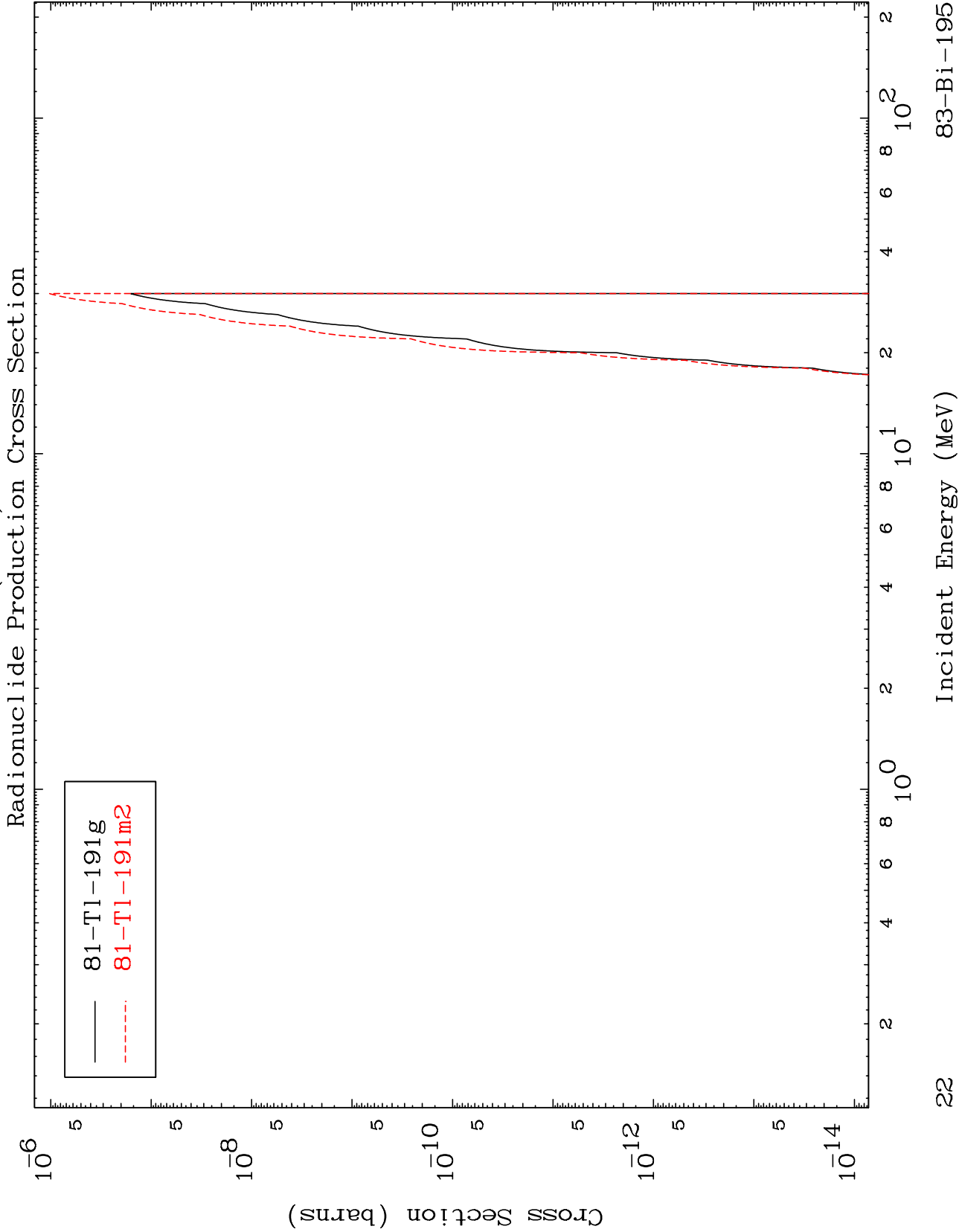
Incident Energy (MeV)

21

MAT 8283

(n,2α)

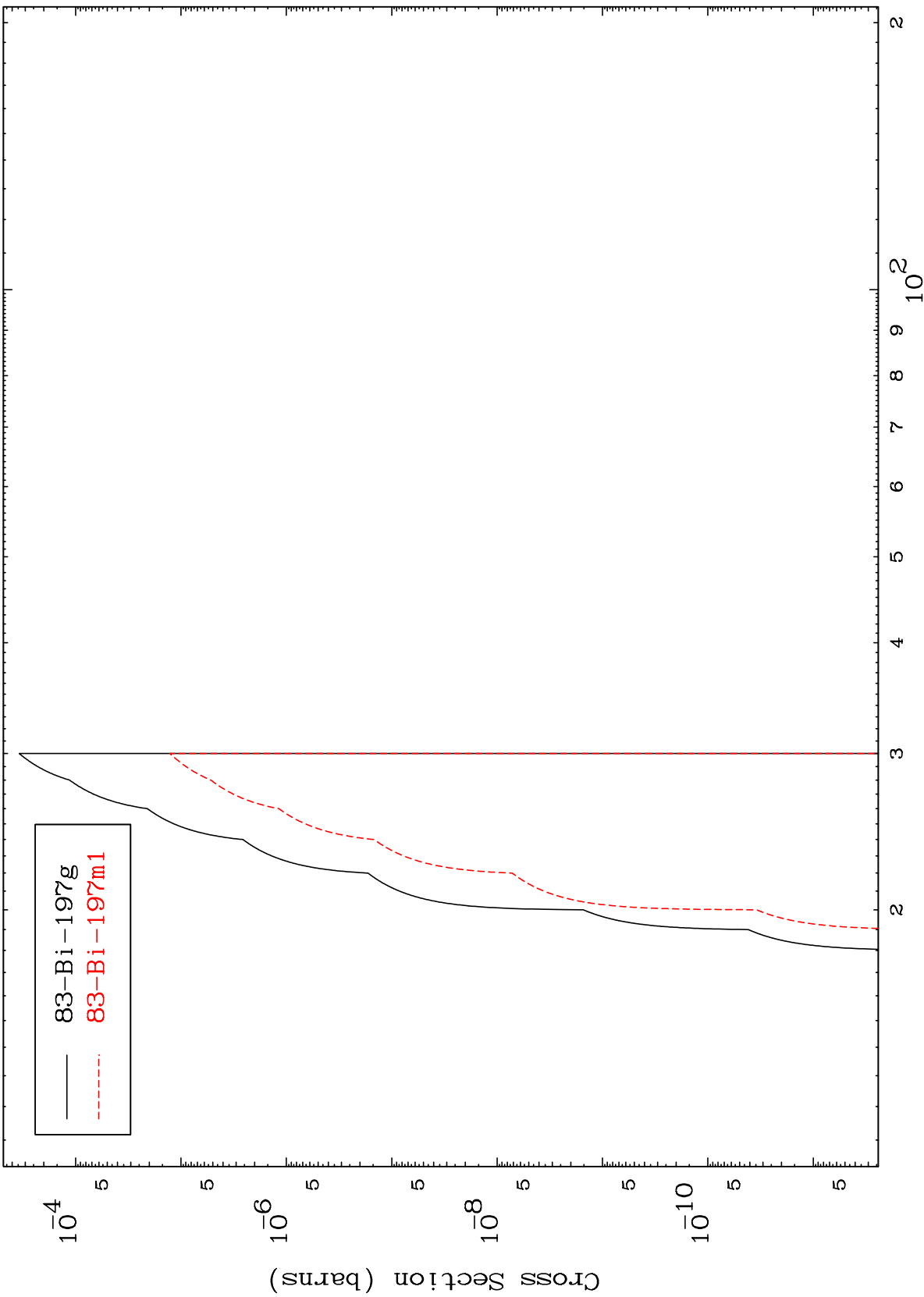
83-Bi-195



MAT 8283

83-Bi-195

(n,2p)
Radionuclide Production Cross Section

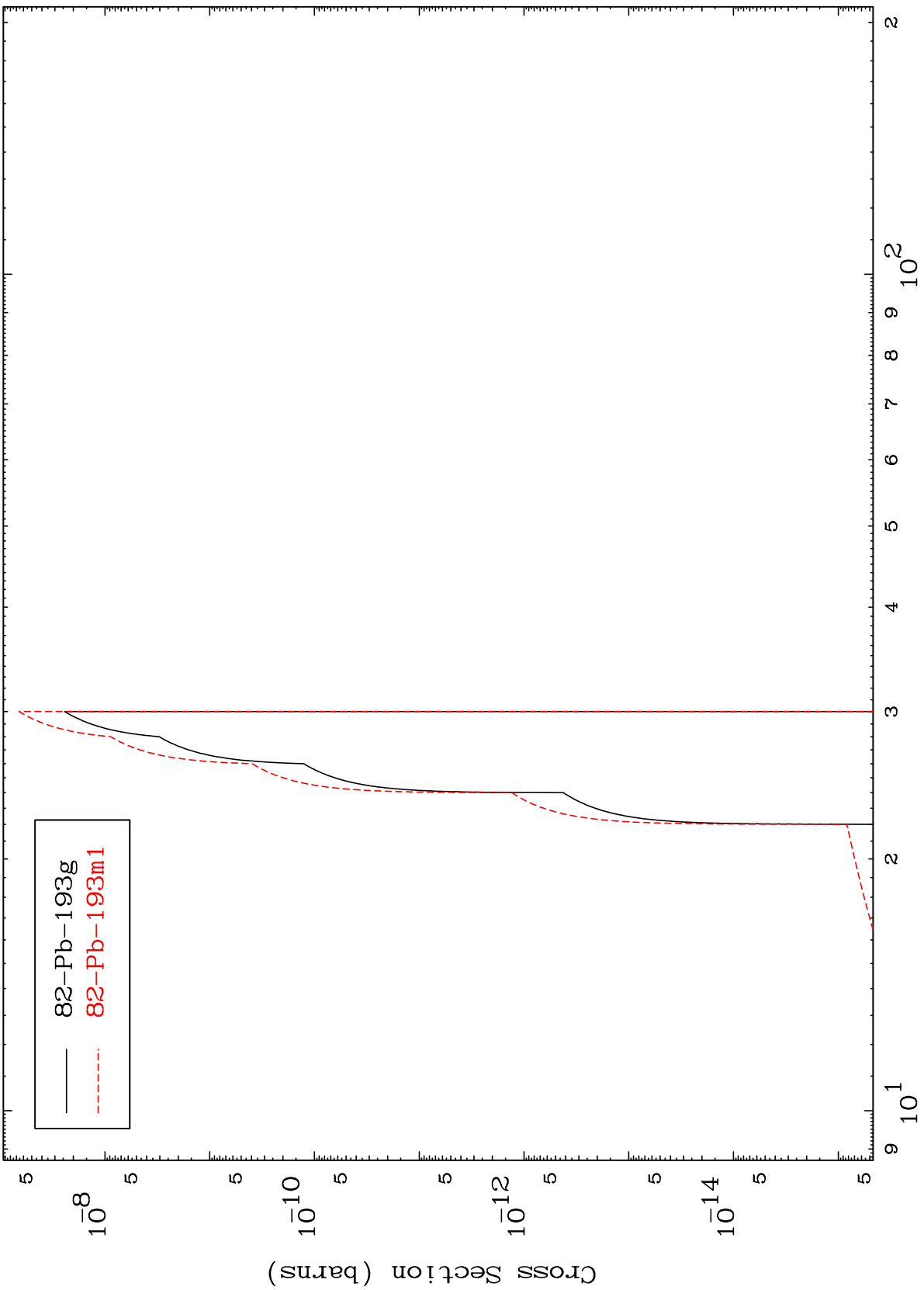


MAT 8283

(n,d) α

83-Bi-195

Radionuclide Production Cross Section



82-Pb-193g
82-Pb-193m1

24

Incident Energy (MeV)

83-Bi-195