

Program EVALPLOT
(Version 2021-1)

by

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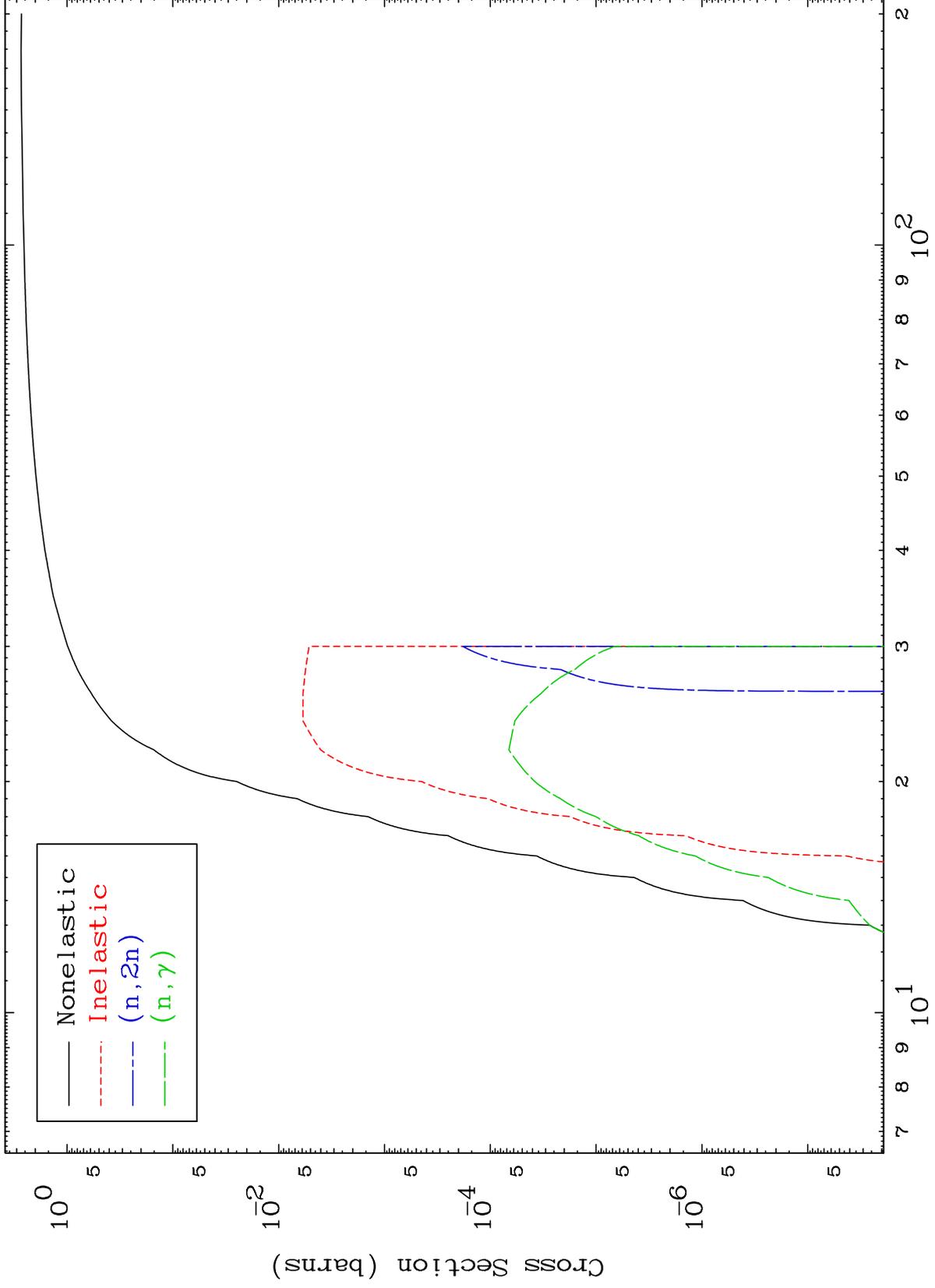
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Press Mouse Button to Start

MAT 8281

0 Kelvin Cross Sections

83-Bi-194m



1

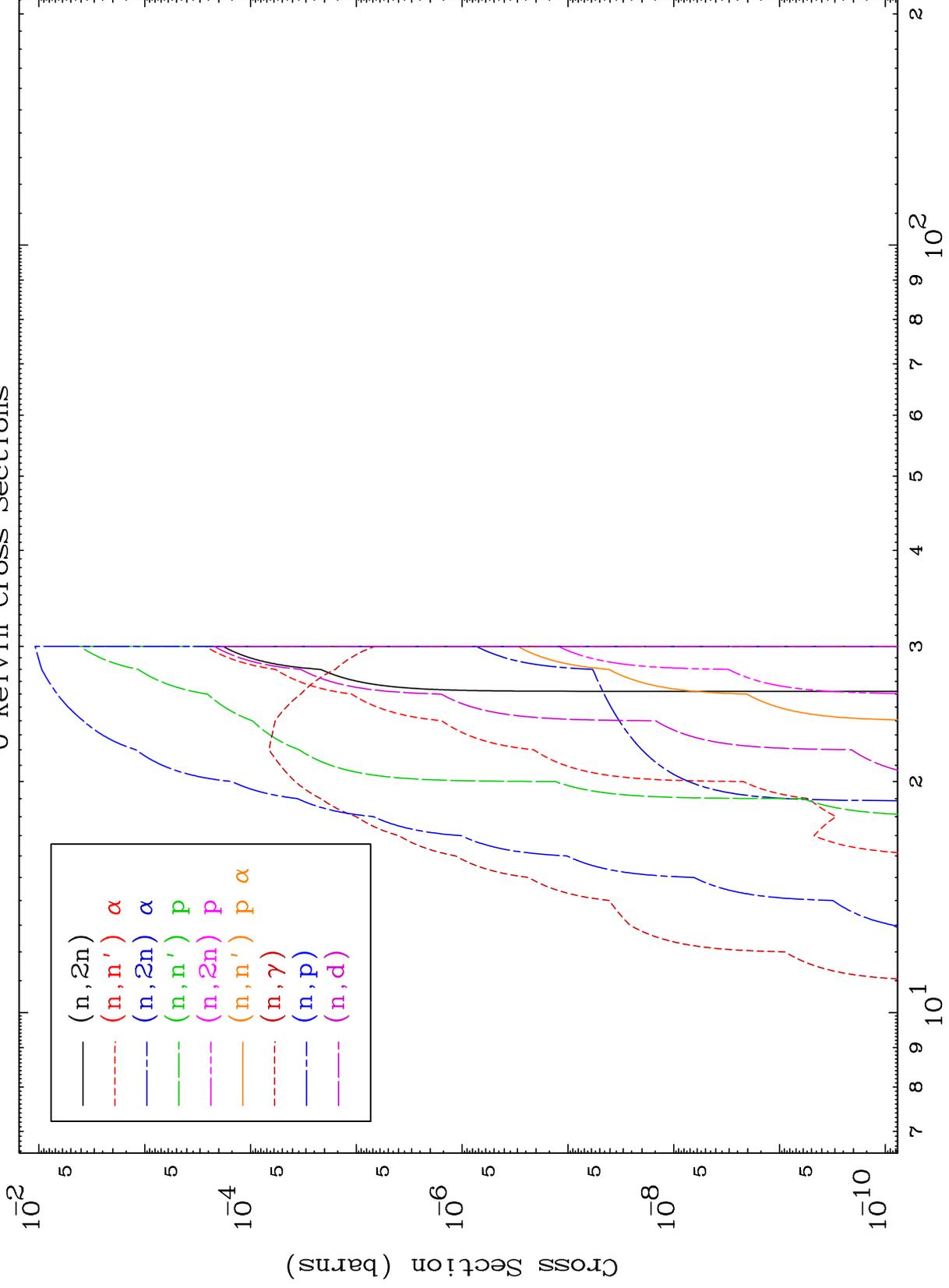
Incident Energy (MeV)

83-Bi-194m

MAT 8281

α Neutron Absorption
0 Kelvin Cross Sections

83-Bi-194m



2

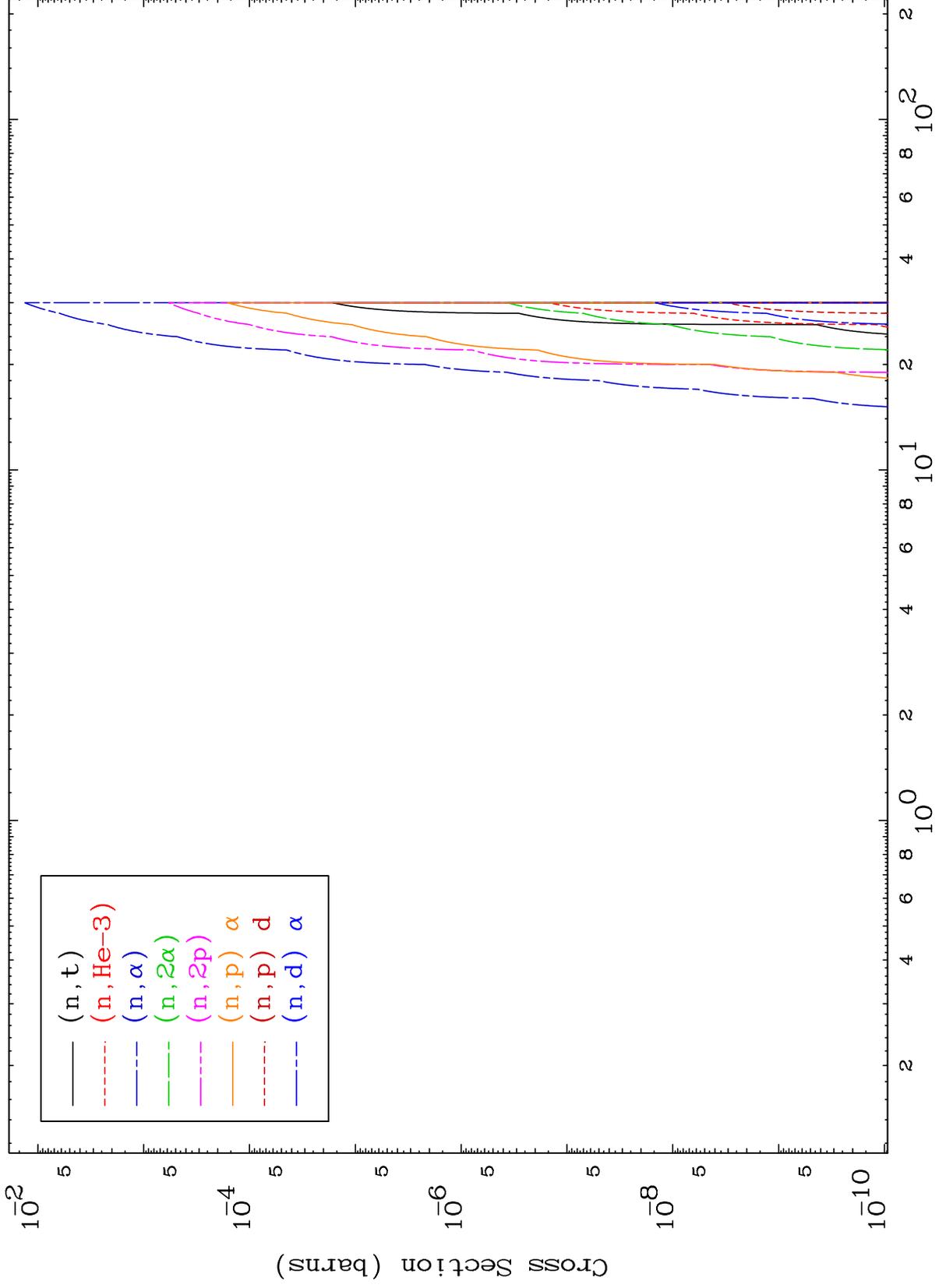
Incident Energy (MeV)

83-Bi-194m

MAT 8281

α Neutron Absorption
0 Kelvin Cross Sections

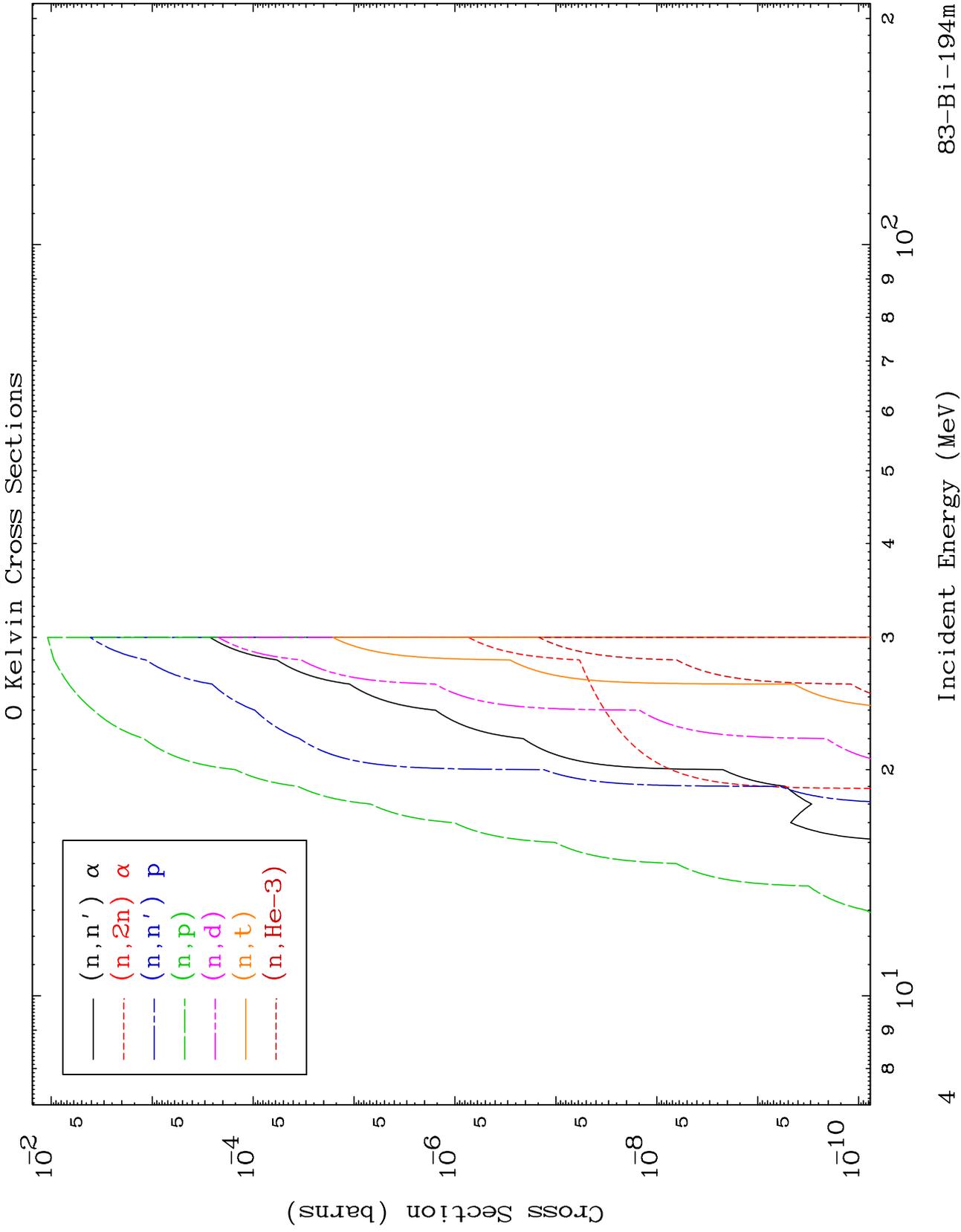
83-Bi-194m



MAT 8281

α Charged Particle

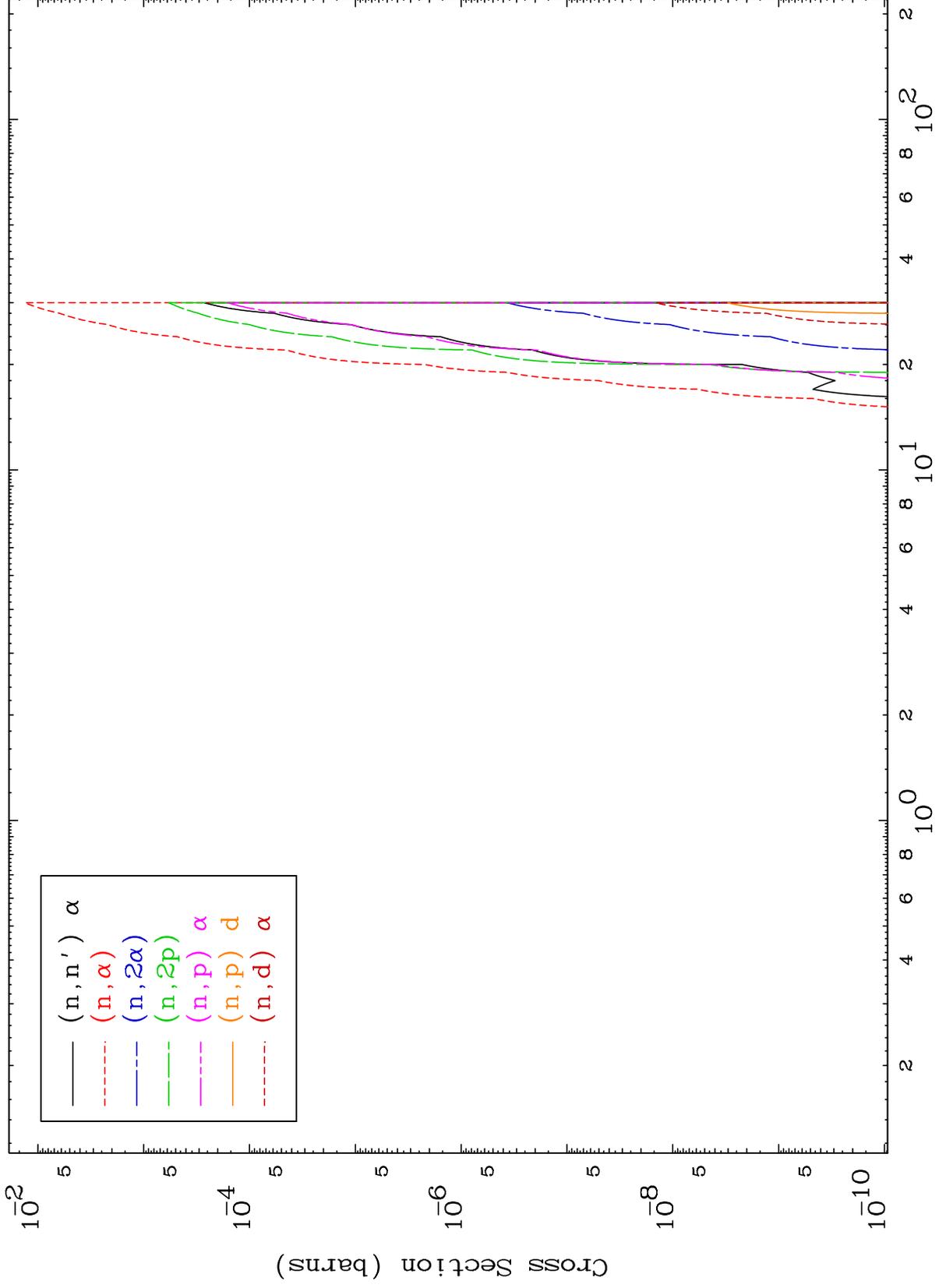
83-Bi-194m



MAT 8281

α Charged Particle
0 Kelvin Cross Sections

83-Bi-194m



5

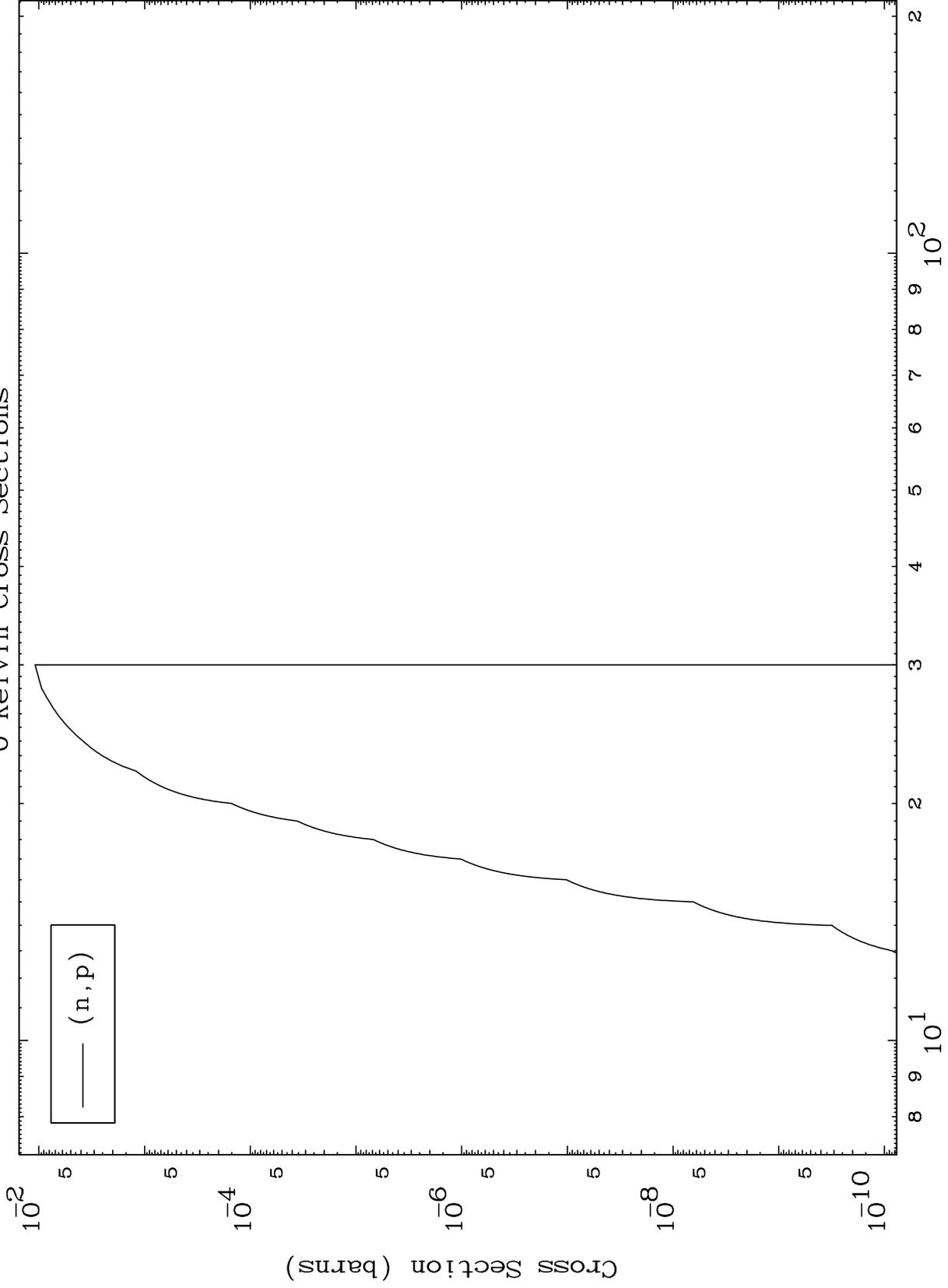
Incident Energy (MeV)

83-Bi-194m

MAT 8281

(α, p) Levels
0 Kelvin Cross Sections

$^{83}\text{Bi}-194\text{m}$



6

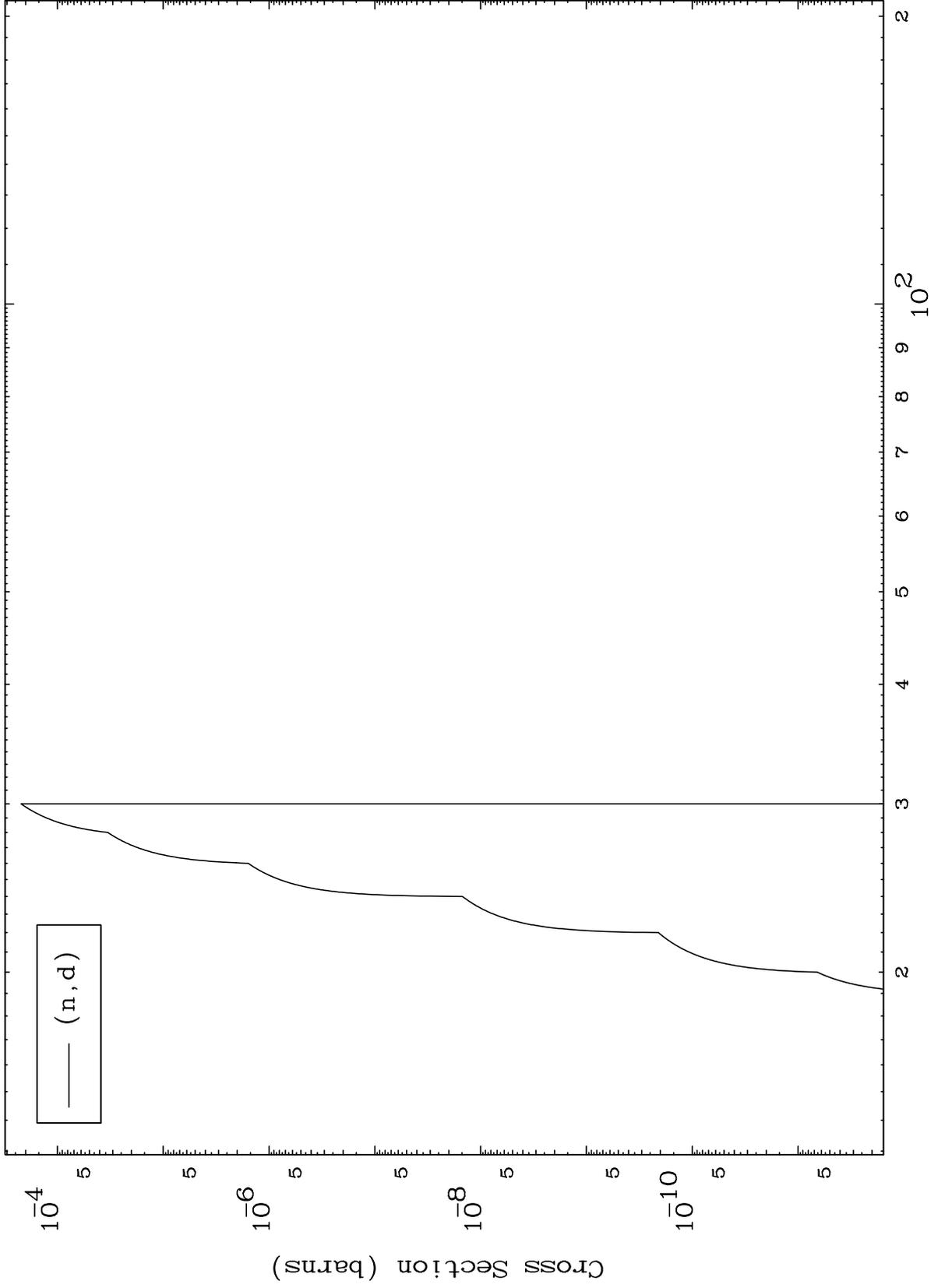
Incident Energy (MeV)

$^{83}\text{Bi}-194\text{m}$

MAT 8281

(α, d) Levels
0 Kelvin Cross Sections

83-Bi-194m



7

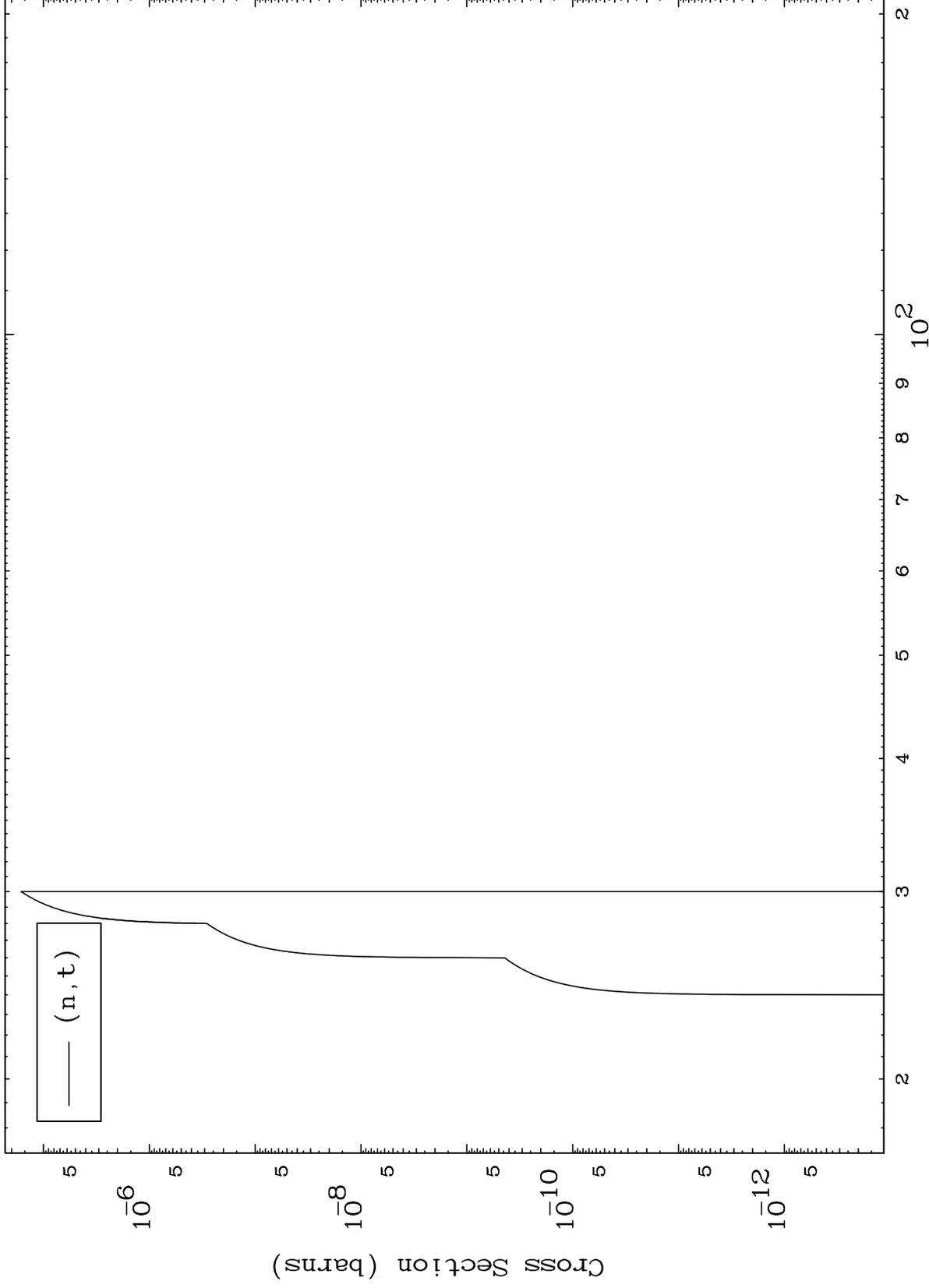
Incident Energy (MeV)

83-Bi-194m

MAT 8281

(α, t) Levels
0 Kelvin Cross Sections

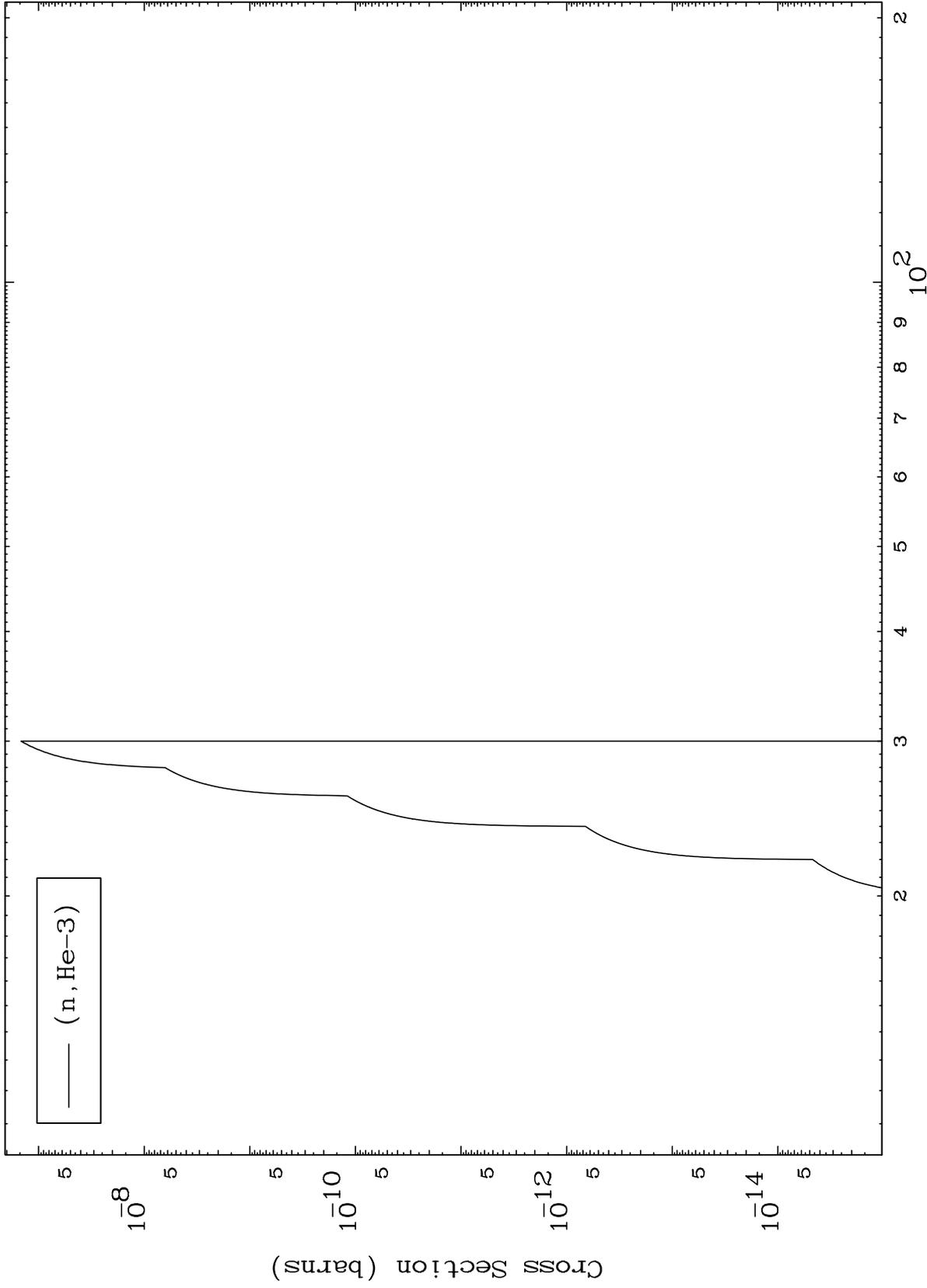
83-Bi-194m



8

Incident Energy (MeV)

83-Bi-194m

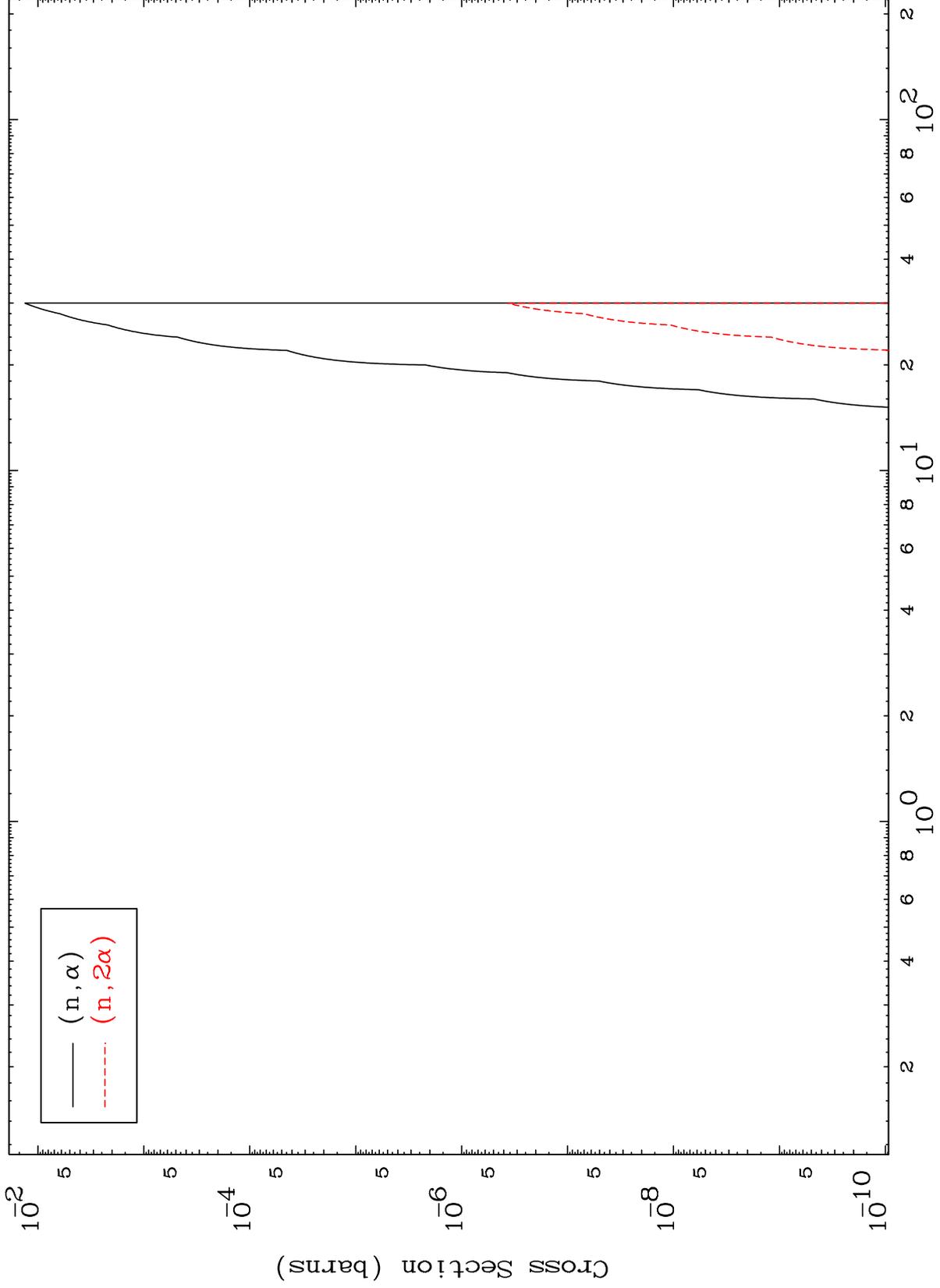


MAT 8281

(α, α) Levels

83-Bi-194m

0 Kelvin Cross Sections



10

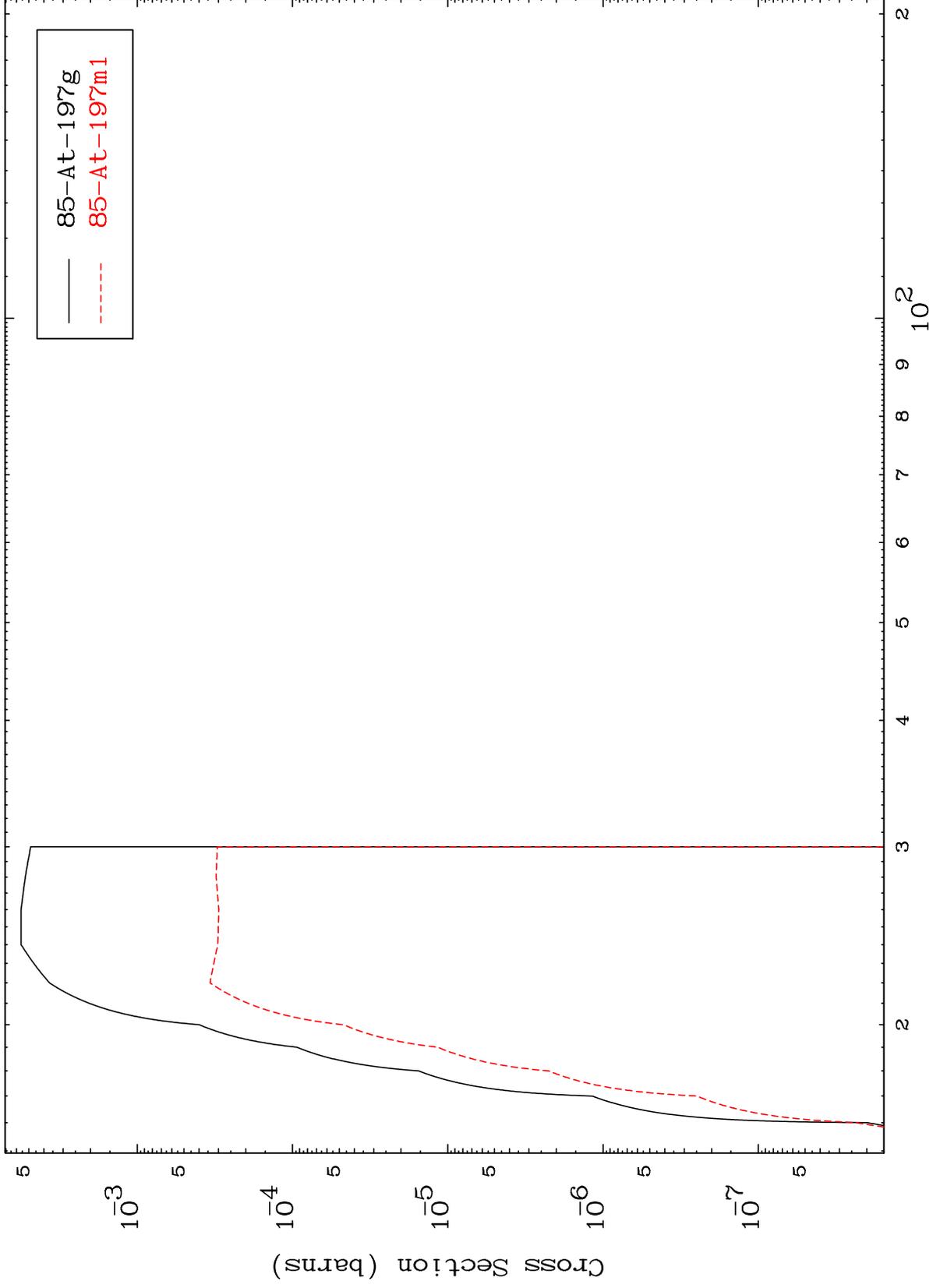
Incident Energy (MeV)

83-Bi-194m

MAT 8281

83-Bi-194m

Inelastic
Radionuclide Production Cross Section

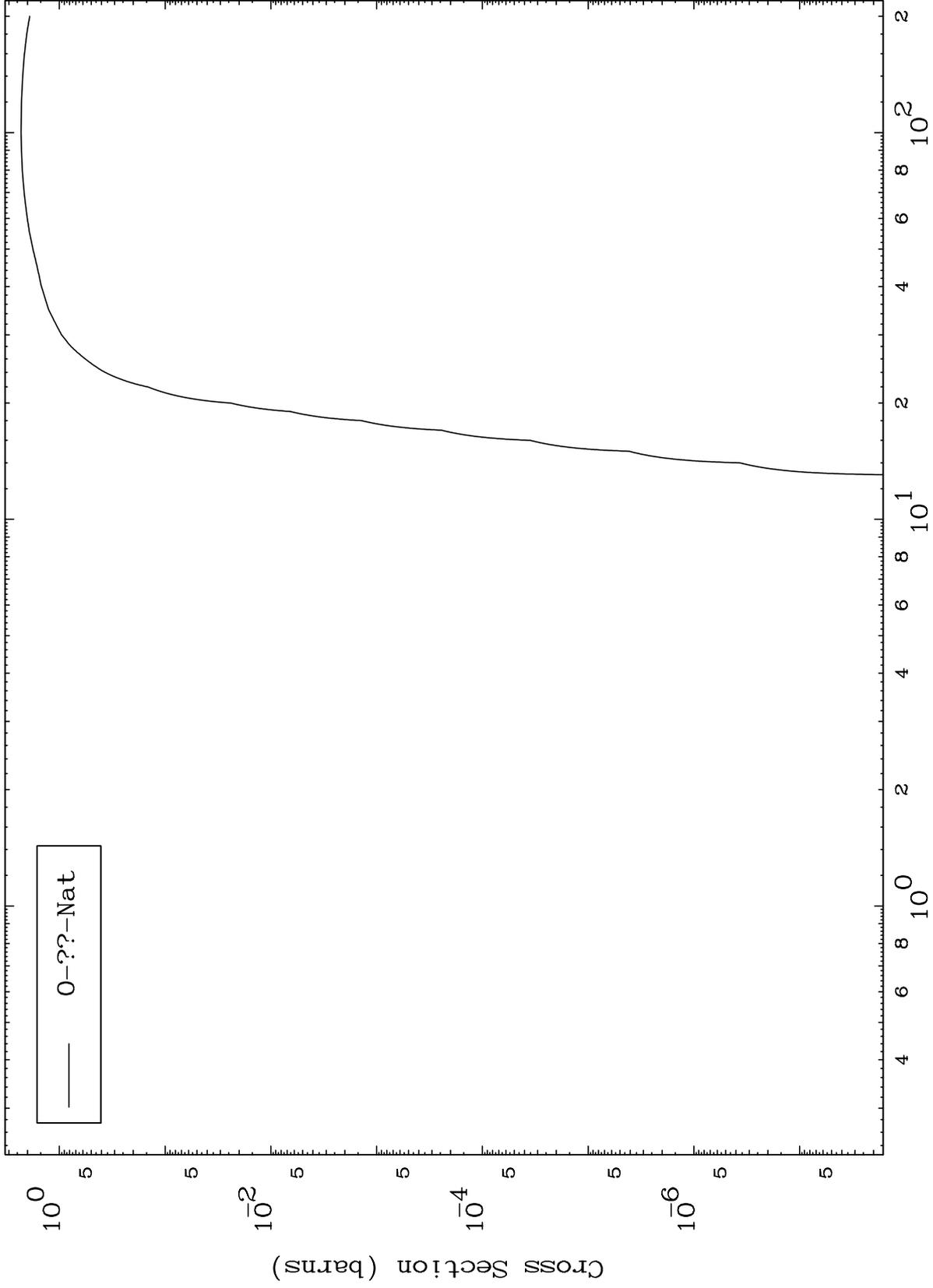


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Fission

⁸³Bi-194m

Radionuclide Production Cross Section

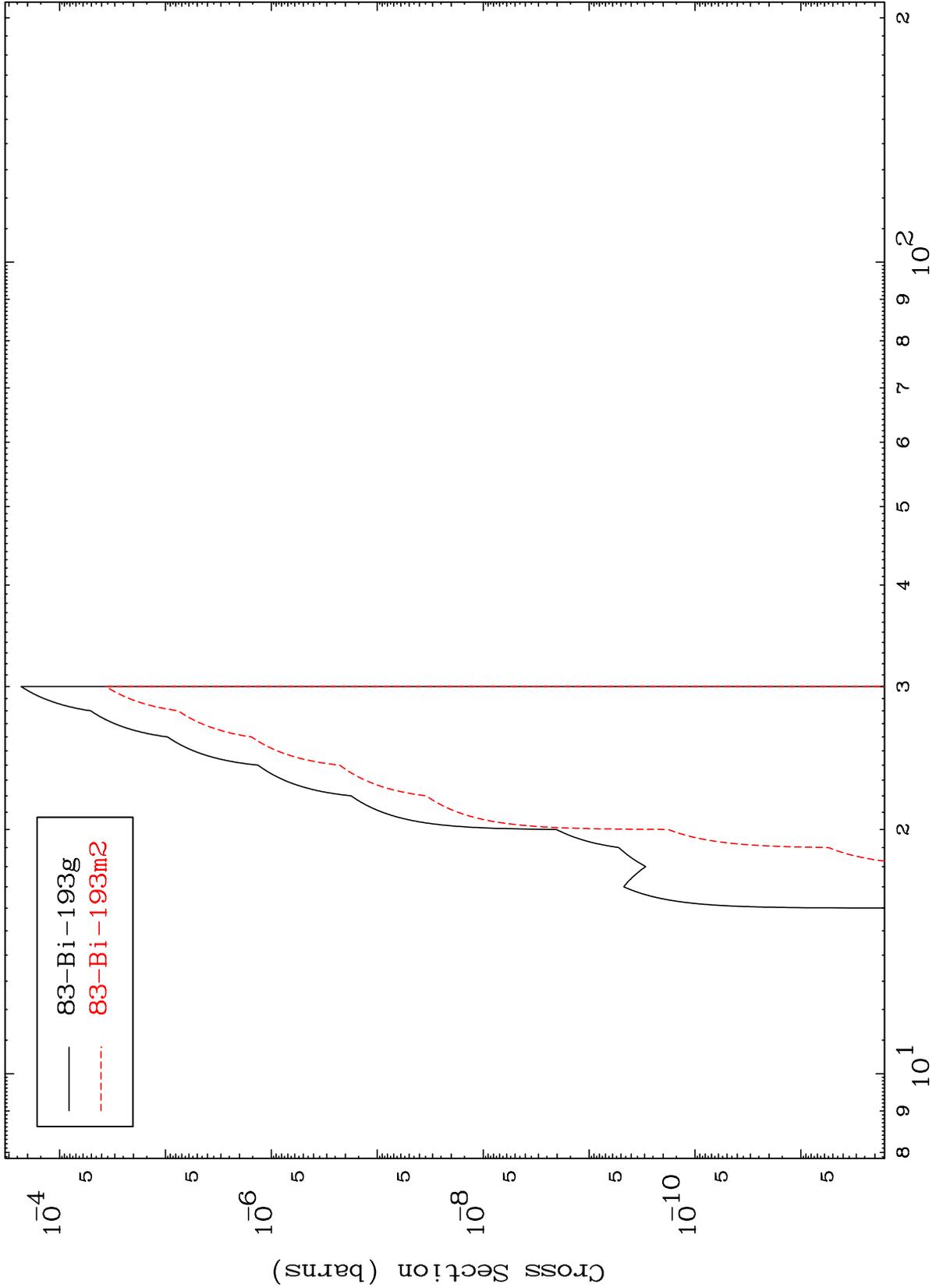


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$(n, n') \alpha$

83-Bi-194m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

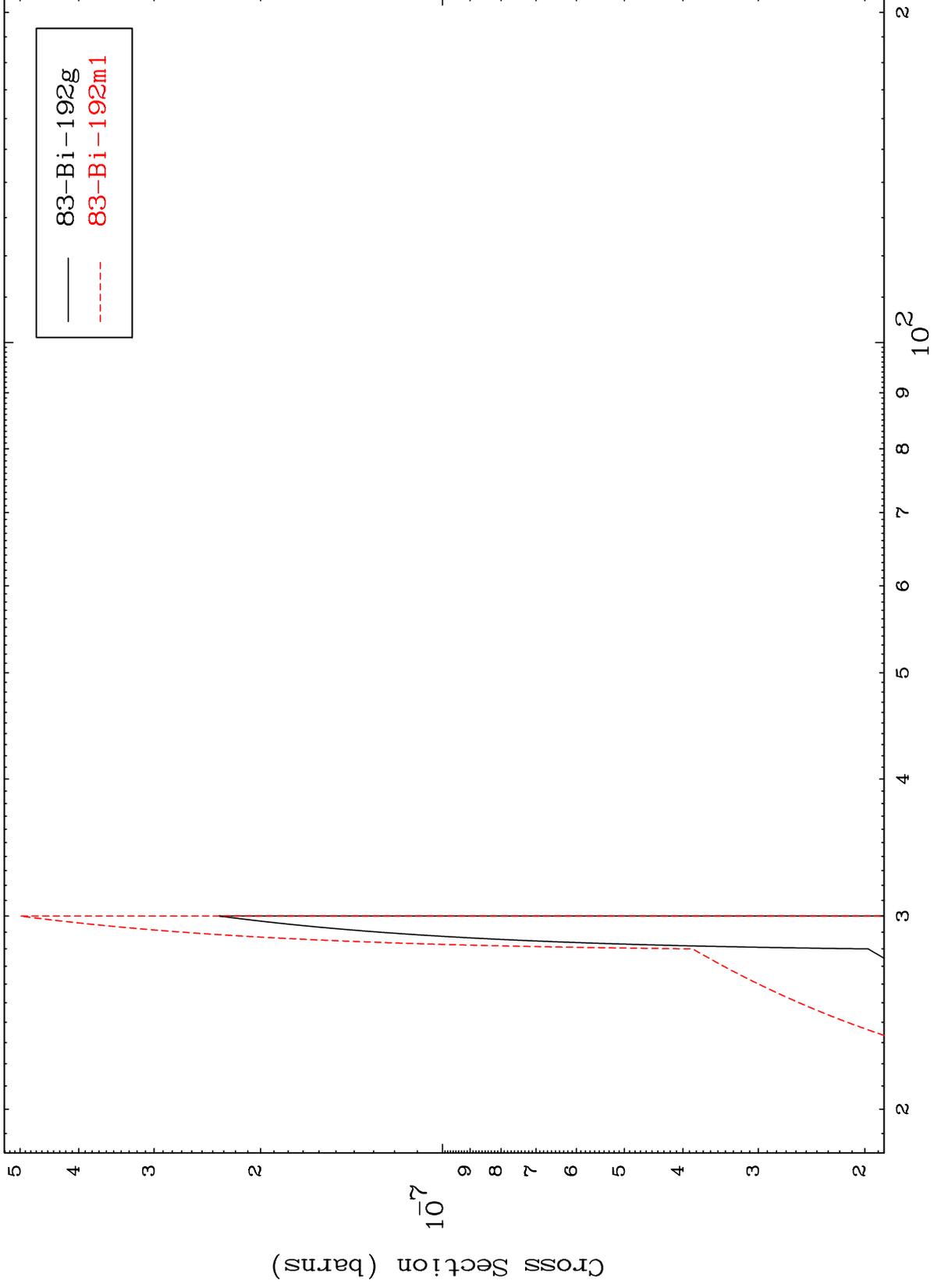
83-Bi-194m

MAT 8281

$(n,2n) \alpha$

83-Bi-194m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

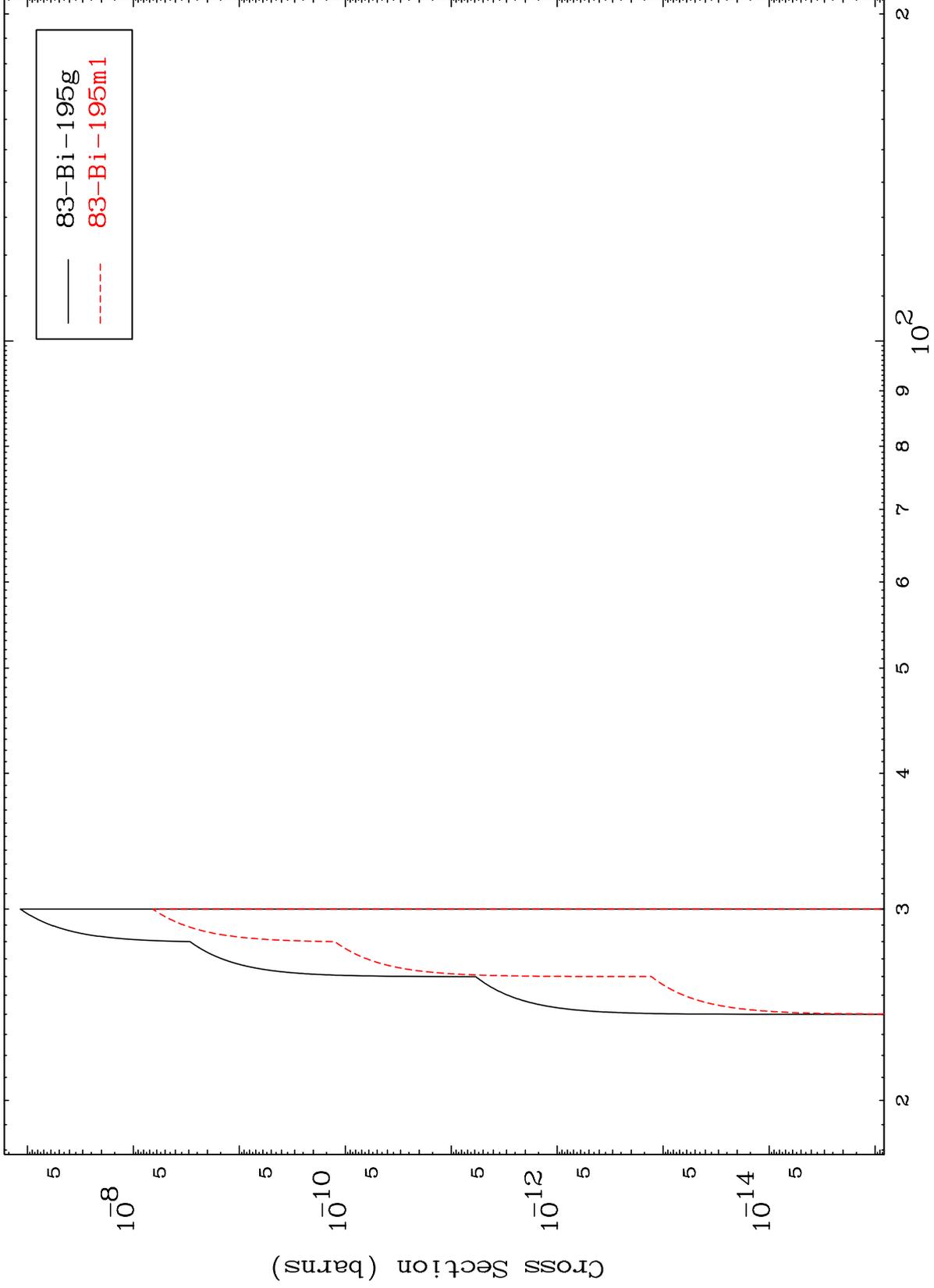
83-Bi-194m

MAT 8281

(n,2n) p

83-Bi-194m

Radionuclide Production Cross Section



15

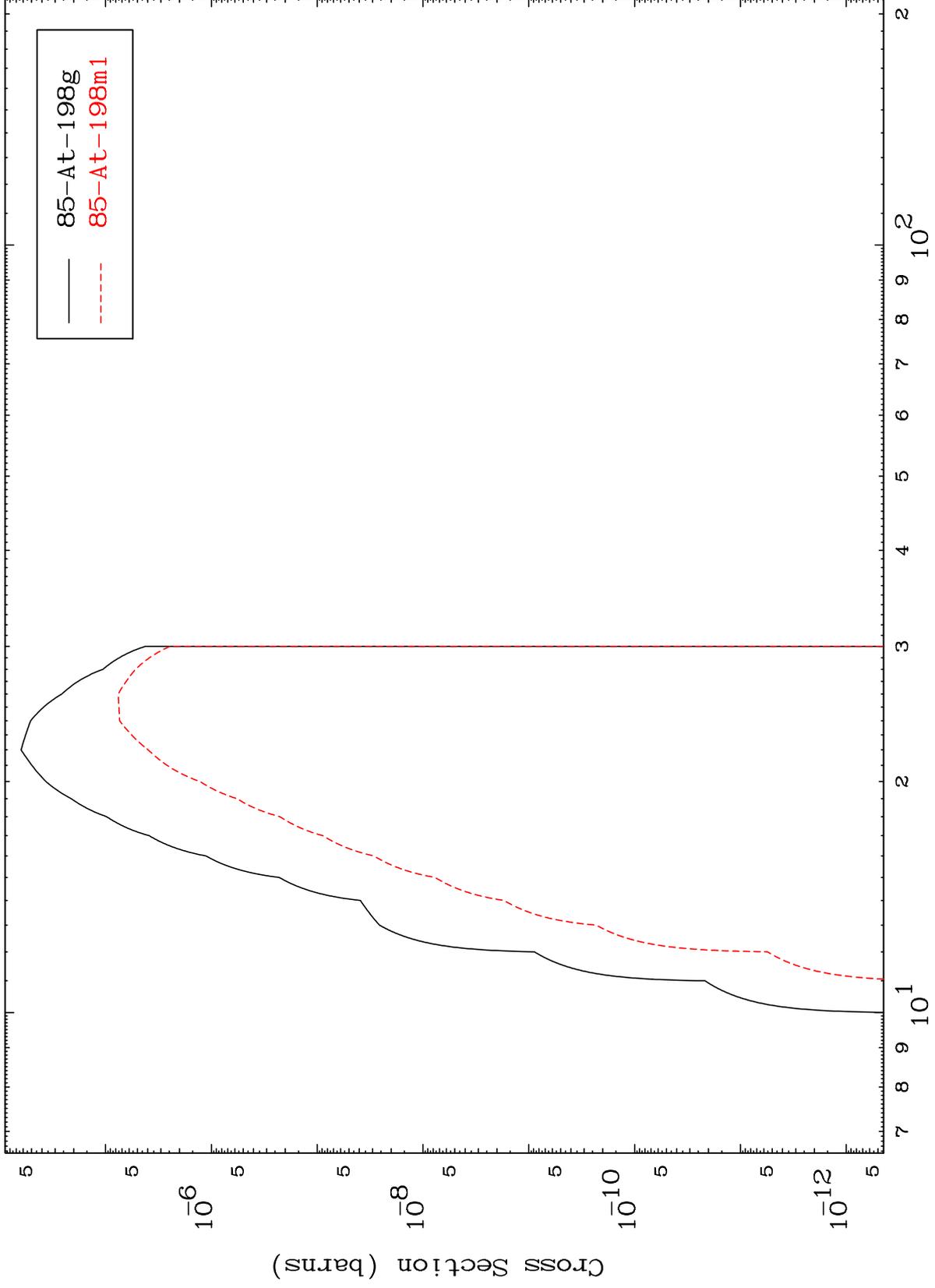
Incident Energy (MeV)

83-Bi-194m

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83-Bi-194m

(n,γ)
Radionuclide Production Cross Section



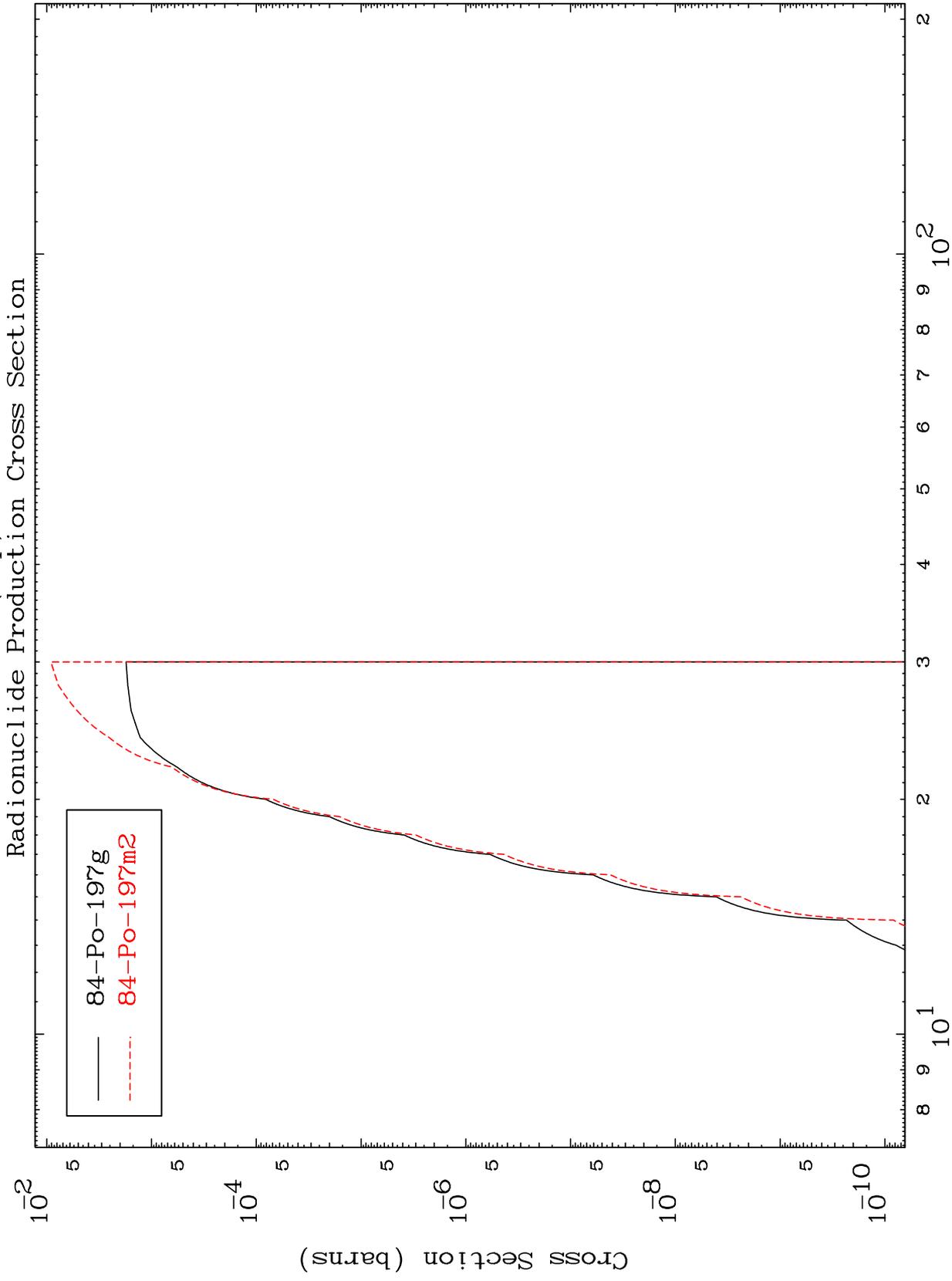
16

Incident Energy (MeV)

83-Bi-194m

MAT 8281

83-Bi-194m



17

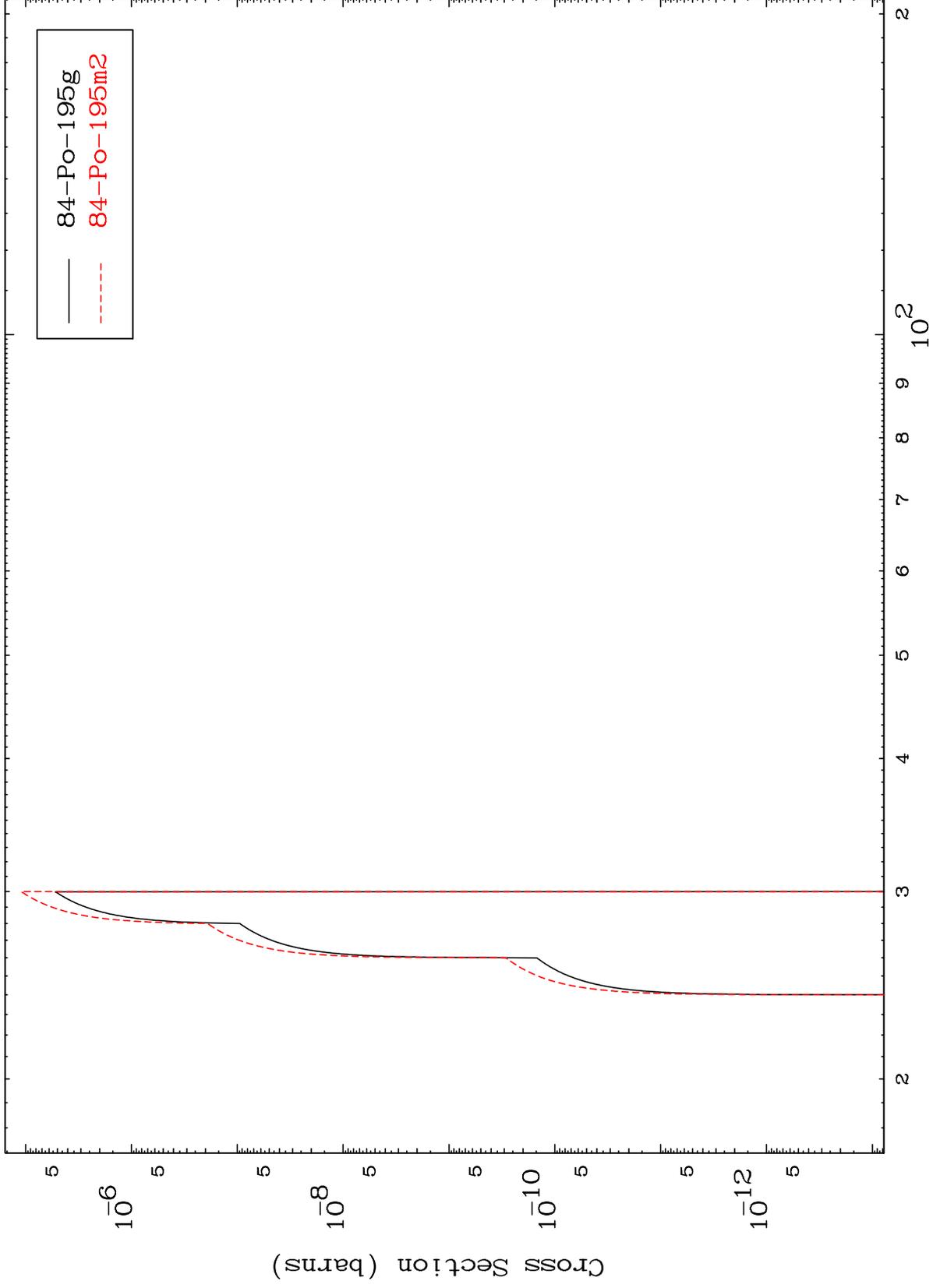
Incident Energy (MeV)

83-Bi-194m

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83-Bi-194m

(n, t)
Radionuclide Production Cross Section



18

83-Bi-194m

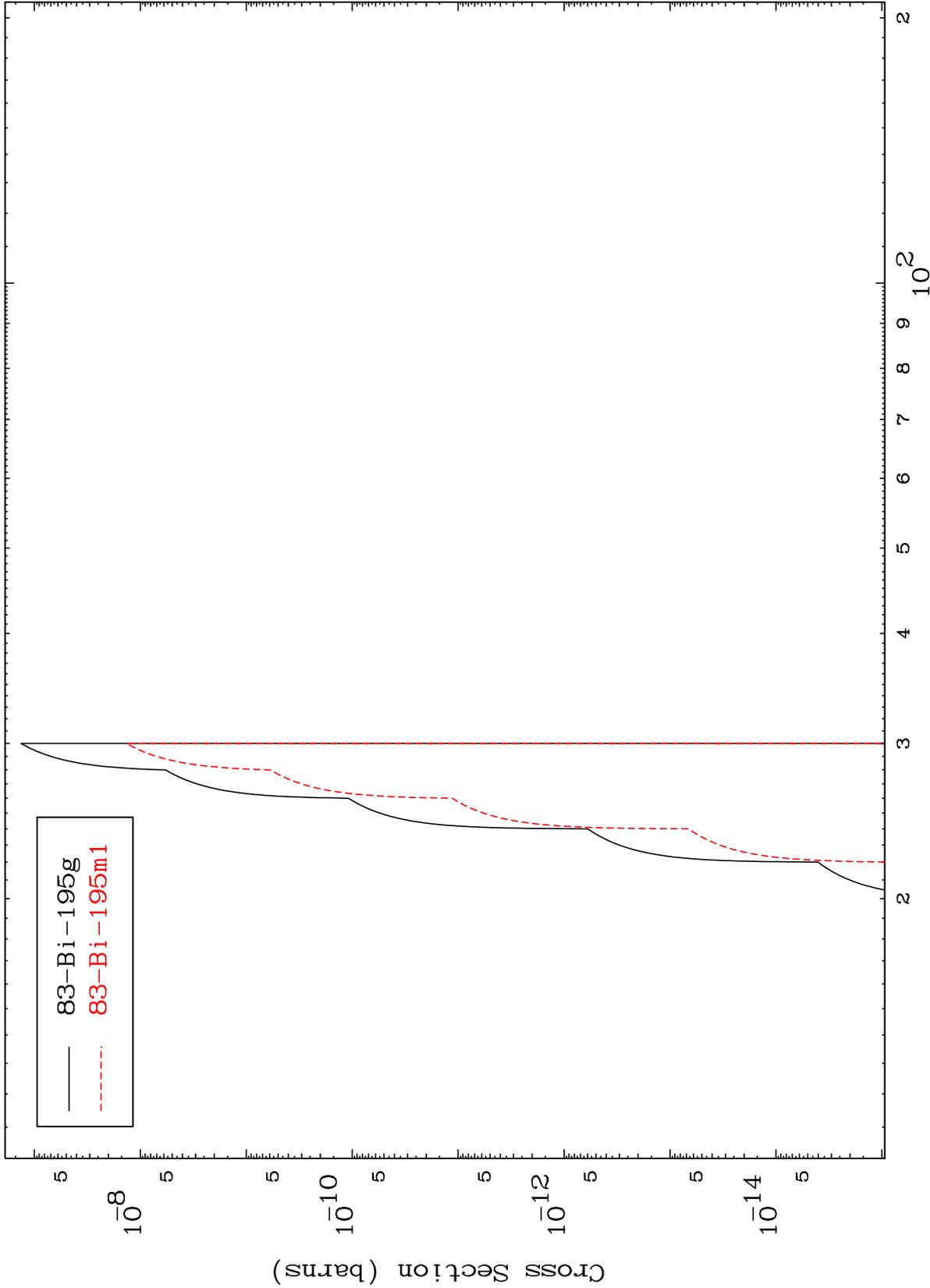
Incident Energy (MeV)

MAT 8281

(n,He-3)

83-Bi-194m

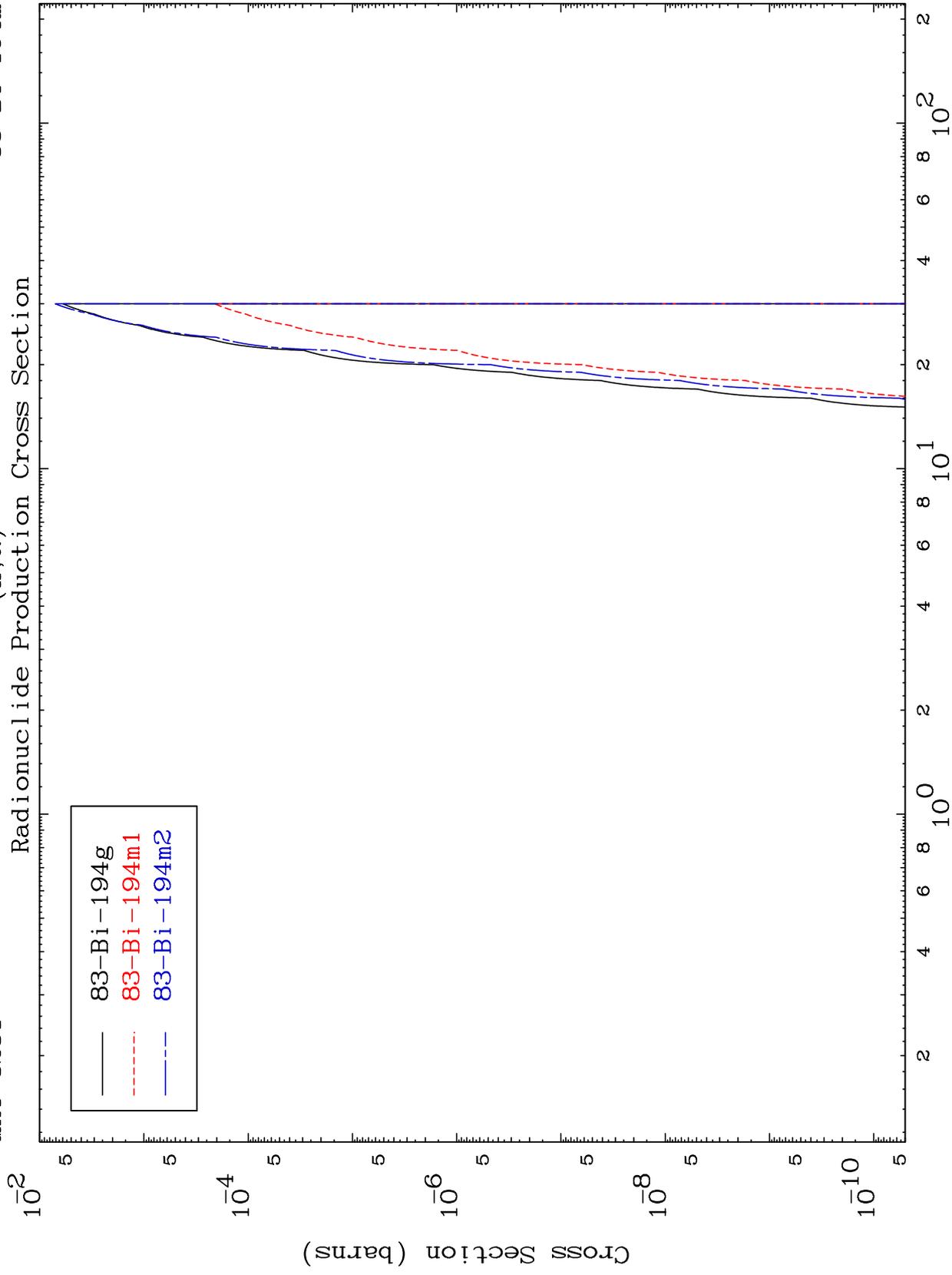
Radionuclide Production Cross Section



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$^{83}\text{Bi}-194\text{m}$

Radionuclide Production Cross Section
(n, α)



$^{83}\text{Bi}-194\text{m}$

Incident Energy (MeV)

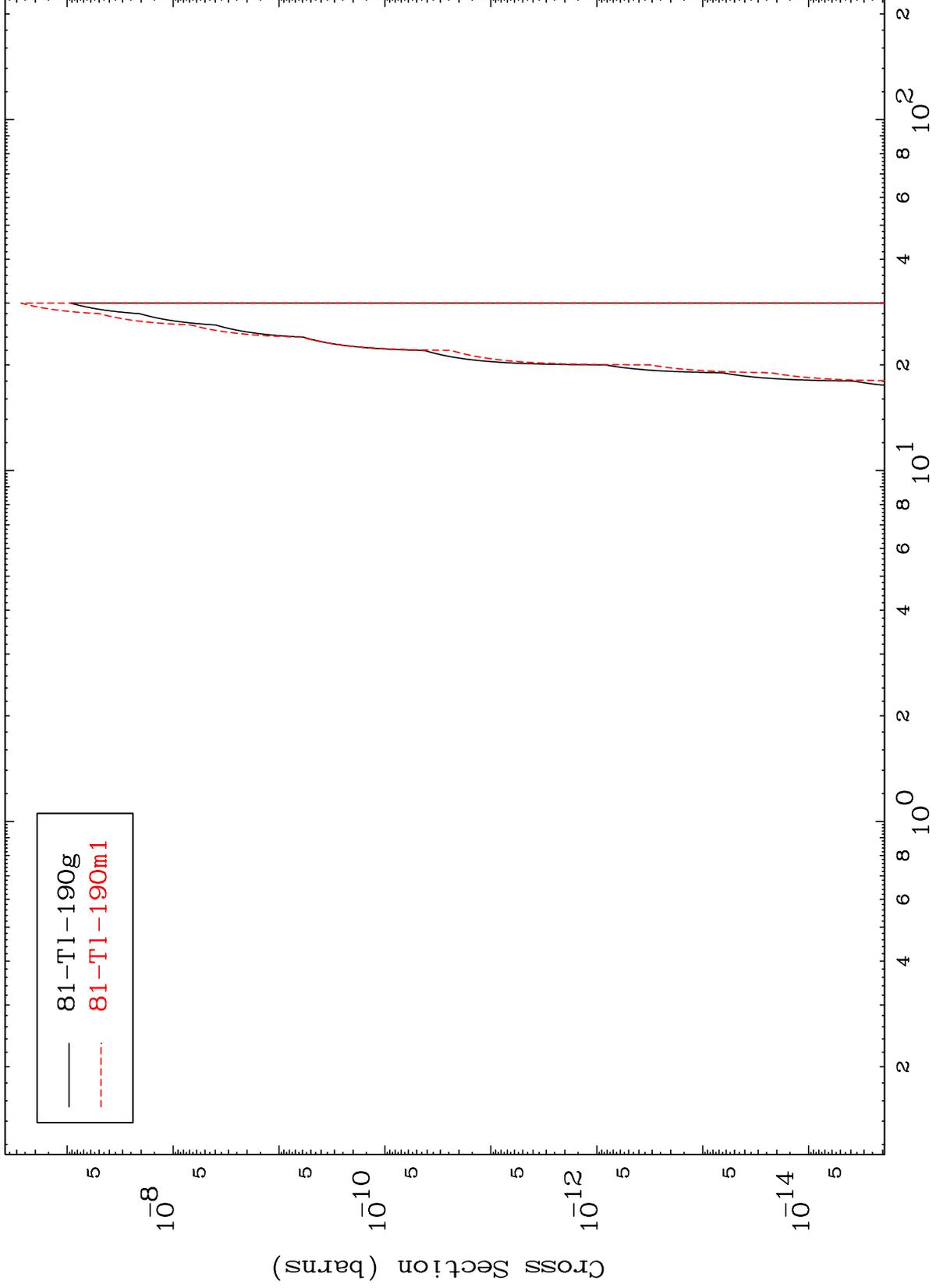
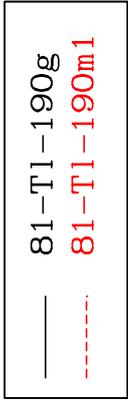
20

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(n,2α)

83-Bi-194m

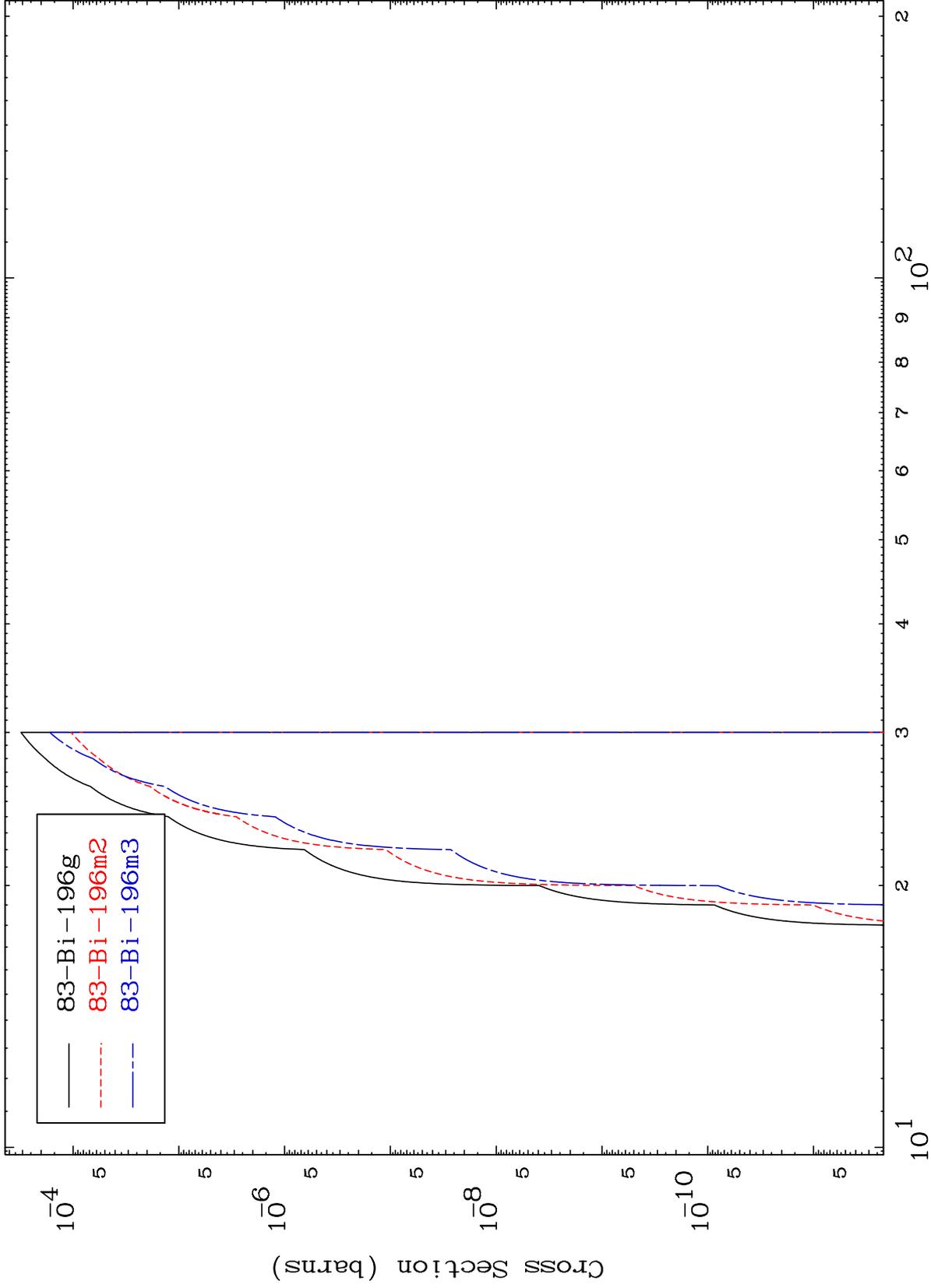
Radionuclide Production Cross Section



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⁸³Bi-194m

(n,2p)
Radionuclide Production Cross Section



⁸³Bi-194m

Incident Energy (MeV)

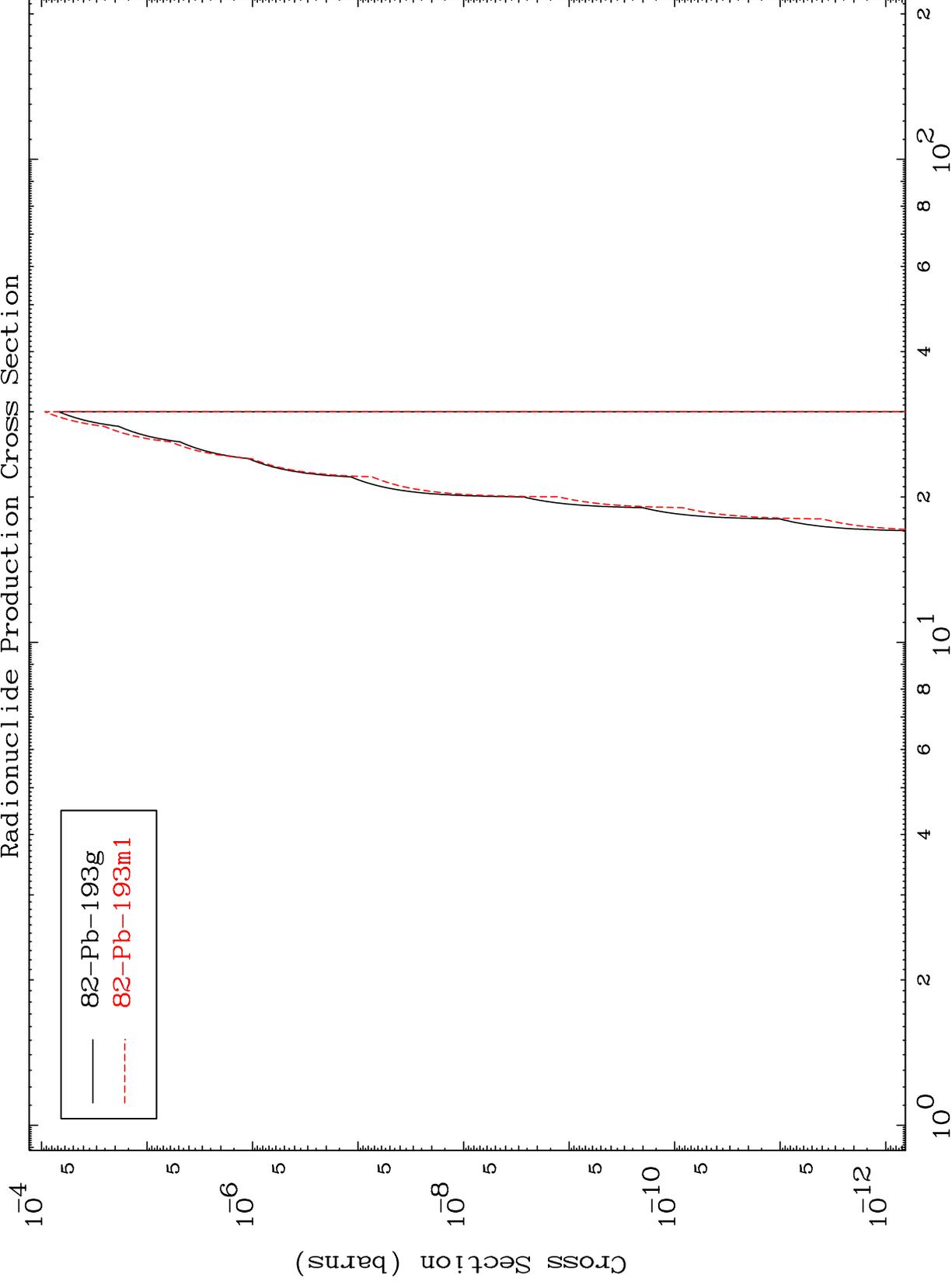
22

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(n,p) α

83-Bi-194m

Radionuclide Production Cross Section



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

Incident Energy (MeV)

83-Bi-194m

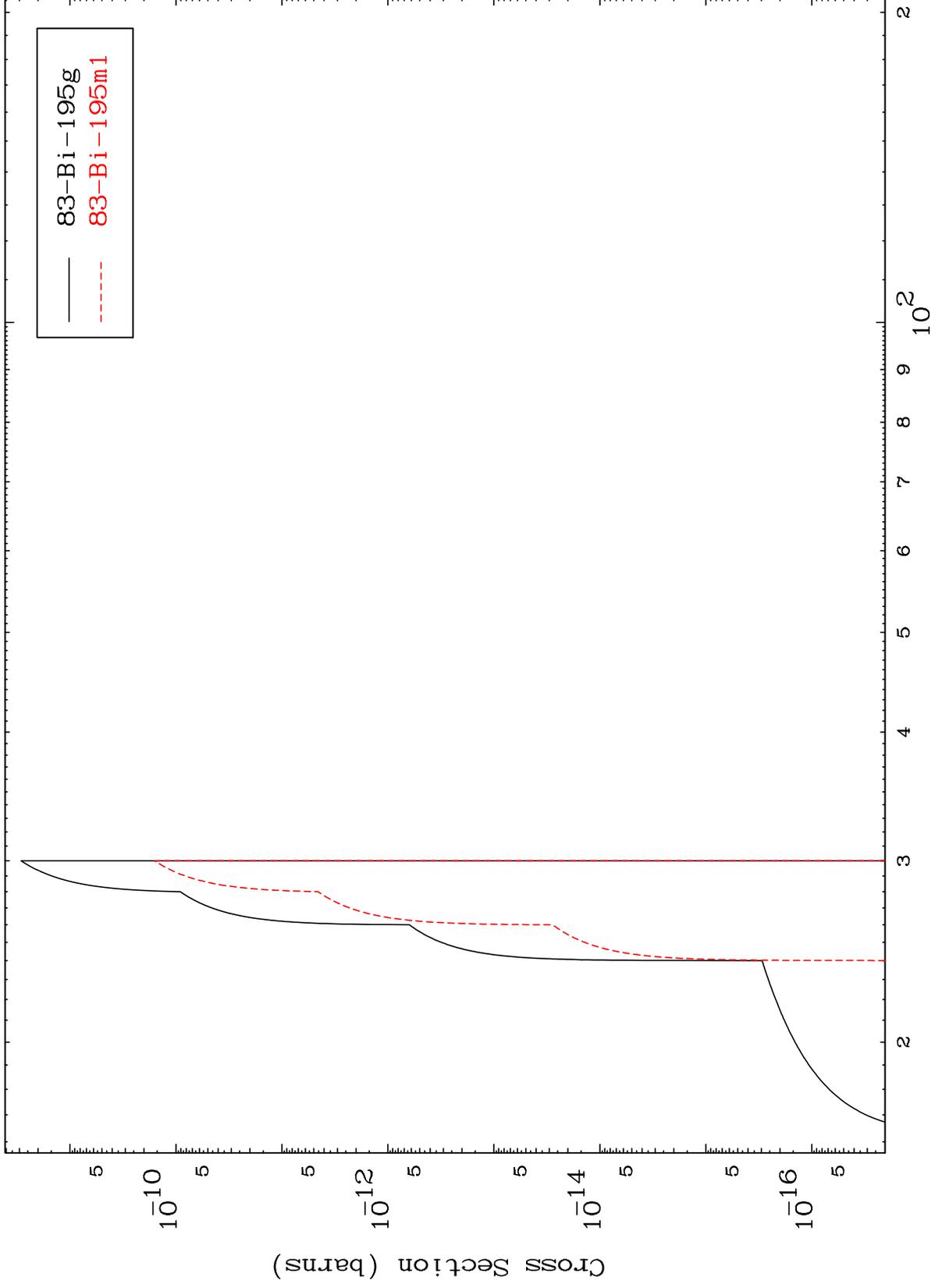
23

MAT 8281

(n,p) d

83-Bi-194m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

83-Bi-194m