

All papers



Go!

Physics >
Plasma
Physics

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

[physics.plasm-ph](#)

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1011](#)

Change to browse by:

[physics](#)

[physics.atom-ph](#)

References & Citations

- [NASA ADS](#)

Bookmark([what is this?](#))



**Collisional
kinetics
of non-
uniform
electric
field, low-
pressure,
direct-
current**

discharges in H_2

A. V. Phelps

*(Submitted on 8
Nov 2010)*

A model
of the
collisional
kinetics
of
energetic
hydrogen
atoms,
molecules,
and ions
in pure
 H_2
discharges
is used
to
predict
 H_α
emission
profiles
and
spatial
distributions
of
emission
from the
cathode
regions
of low-

pressure,