

All papers ▾

Go!

Physics >  
Atomic  
Physics

# Matter-wave 2D solitons in crossed linear and

# nonlinear optical lattices

H.L.F. da Luz,  
F.Kh. Abdullaev,  
A. Gammal, M.  
Salerno, Lauro  
Tomio

(Submitted on 8

## Download:

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

Current browse context:

[physics.atom-ph](#)

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

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

Change to browse by:

[cond-mat](#)

[cond-mat.quant-gas](#)

[physics](#)

[quant-ph](#)

## References & Citations

- [NASA ADS](#)

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



Nov 2010)

It is  
demonstrated  
the  
existence  
of  
multidimensional  
matter-  
wave  
solitons  
in a  
crossed  
optical  
lattice  
(OL) with  
linear  
OL in