

# Invenio - refextract

Alessio Deiana  
INSPIRE

# From bibedit



Welcome to [INSPIRE!](#) INSPIRE is now in full operation and supersedes SPIRES. SPIRES front end at all mirrors

HEP :: HEPNAMES :: INSTITUTIONS :: CONFERENCES :: JOBS :: EX

## Record

1113623 Rec: :

Search

Submit Cancel

Switch to: Read-only

## Fields

Add

Delete selected

## View

## Holding Pen

## Undo/Redo

< >

## History

Ready

[Special symbols](#) [Help](#)

record revision: 2012.05.07 06:03:34



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<input type="checkbox"/>	005		20120507060334.0	
<input type="checkbox"/>	035__	<input type="checkbox"/> 9 <input type="checkbox"/> a	arXiv oai:arXiv.org:1205.0983	
<input type="checkbox"/>	037__	<input type="checkbox"/> 9 <input type="checkbox"/> a <input type="checkbox"/> c	arXiv arXiv:1205.0983 nucl-th	
<input type="checkbox"/>	100__	<input type="checkbox"/> a	Chamel, N.	
<input type="checkbox"/>	245__	<input type="checkbox"/> 9 <input type="checkbox"/> a	arXiv Maximum mass of neutron stars with exotic cores	
<input type="checkbox"/>	269__	<input type="checkbox"/> c	2012-05-04	
<input type="checkbox"/>	300__	<input type="checkbox"/> a	10	
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<input type="checkbox"/>	520__	<input type="checkbox"/> 9 <input type="checkbox"/> a	arXiv The recently measured mass of pulsar PSR J1614\$-\$2230 has revived the question of the composition of matter at the high densities prevailing inside compact stars. The impact on the maximum possible neutron-star mass of an "exotic" core consisting of non-nucleonic matter is studied by starting with a set of purely nucleonic equations of state (EoS) that have been developed to permit a unified treatment of all parts of neutron stars; the different members of this set have very similar properties at nuclear and subnuclear densities but quite different degrees of high-density symmetry stiffness. It is found that even if there is a significant softening of the EoS associated with the actual transition to an exotic phase there can still be a stiffening at higher densities closer to the center of the star that is sufficient to increase the maximum possible mass. In particular, by invoking such a phase transition it becomes possible to support PSR J1614\$-\$2230 with a nucleonic EoS that is soft enough to be compatible with the $\frac{\rho_{\pi^+}}{\rho_{\pi^0}}$ production ratio measured in heavy-ion collisions.	
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# Command line

```
$ /opt/invenio/bin/refextract
```

- bibtask
- deals with records

```
$ /opt/invenio/bin/docextract
```

- standalone
- deals with pdfs directly

# Docextract

- `$ docextract example.pdf --out example.xml`

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# Refextract

- `refextract --recids 1-100`
- `refextract --recids 2 --create-ticket`
- `refextract --collections 'HEP'`
- `refextract -a` (runs on added records)

# KBs

- `ls /opt/invenio/etc/docextract/*.kb`  
authors.kb collaborations.kb journal-titles-  
inspire.kb journal-titles-re.kb report-  
numbers.kb books.kb journal-titles.kb  
publishers.kb special-journals.kb
- Journals KB is being moved to the database

# Great

- Done