

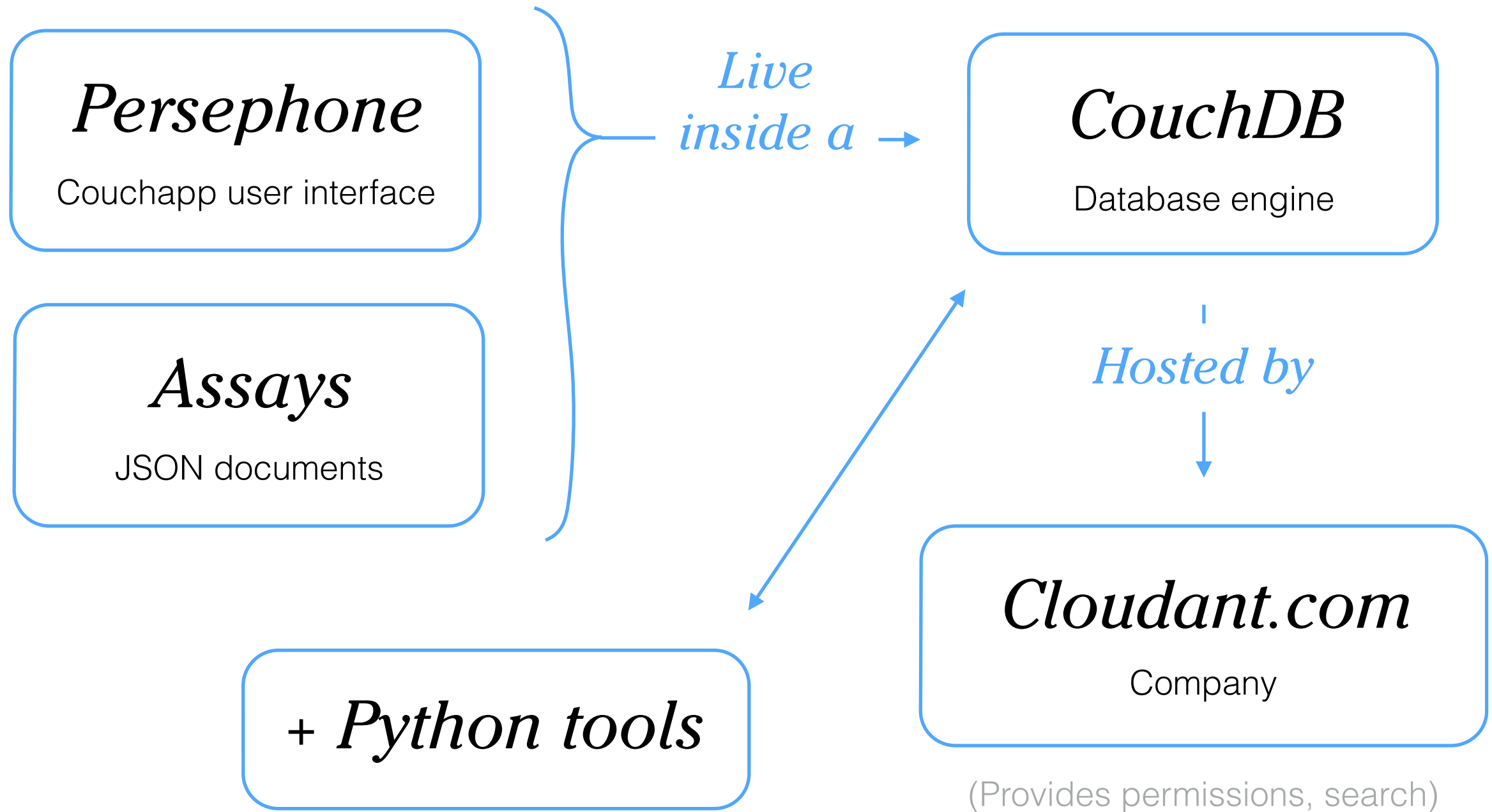
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AARM #7
Fermilab

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Adam Cox *KIT/Cloudant*, Zheng Li *SJTU*, Matthew Breummer *SMU*

Software

Structure



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Total result: 762

Grouping	Name	Isotope	Amount	Isotope	Amount	
▶ EXO (2008)	Acid dissolved metal coating of gold contacted APD	Th	6200() ppt	U	4500() ppt	×
▶ EXO (2008)	Activated charcoal, Carbo-Act International (NL)	Th	111() ppt	U	206() ppt ...	×
▶ EXO (2008)	Activated charcoal, Carbo-Act International (NL)	Th	< 74000 ppt	U	< 65000 ppt ...	×
▶ EXO (2008)	Activated charcoal, Kansai MAXSORB	Th	81000() ppt	-	- -	×
▶ EXO (2008)	Activated charcoal, Kansai MAXSORB	Th	205000() ppt	U	44000() ppt ...	×
▶ EXO (2008)	Alcohol, Vaga Industries photo-etch chemical	Th	< 34000 ppt	U	< 10100 ppt ...	×
▶ EXO (2008)	Alumina gel, Selecto, Alusil 40, no K added	Th	429000() ppt	U	140000() ppt ...	×
▶ EXO (2008)	Aluminum, 6N, for APD fabrication, Hydro Alumi...	Th	45() ppt	U	44() ppt ...	×
▶ EXO (2008)	Aluminum, for APDs contact, Pechiney	Th	< 50 ppt	U	< 50 ppt ...	×
▶ EXO (2008)	Aluminum, for APDs, 99.9995, MRC	Th	48000() ppt	U	5500() ppt ...	×
▶ EXO (2008)	Aluminum, for APDs, Pechiney	Th	< 630 ppt	U	< 360 ppt ...	×
▶ EXO (2008)	Aluminum, for APDs, Pechiney	Th	< 125 ppt	U	< 560 ppt ...	×

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Total result: 762						
Grouping	Name	Isotope	Amount	Isotope	Amount	
▼ EXO (2008)	Acid dissolved metal coating of gold contacted APD	Th	6200() ppt	U	4500() ppt	  
Sample Description Acid dissolved metal coating of Au contacted APD. Measurement Results Th 6200 (560) ppt U 4500 (280) ppt						
▶ EXO (2008)	Activated charcoal, Carbo-Act International (NL)	Th	111() ppt	U	206() ppt	... 
▶ EXO (2008)	Activated charcoal, Carbo-Act International (NL)	Th	< 74000 ppt	U	< 65000 ppt	... 
▶ EXO (2008)	Activated charcoal, Kansai MAXSORB	Th	81000() ppt	-	- -	
▶ EXO (2008)	Activated charcoal, Kansai MAXSORB	Th	205000() ppt	U	44000() ppt	... 
▶ EXO (2008)	Alcohol, Vaga Industries photo-etch chemical	Th	< 34000 ppt	U	< 10100 ppt	... 
▶ EXO (2008)	Alumina gel, Selecto, Alusil 40, no K added	Th	429000() ppt	U	140000() ppt	... 

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Total result: 762

Grouping	Name	Isotope	Amount	Isotope	Amount	
▼ EXO (2008)	Acid dissolved metal coating of gold contacted APD	Th	6200() ppt	U	4500() ppt	
	Sample	Description ID	Acid dissolved metal coating of Au contacted APD. Table 3. #127			
	Measurement	Results	Th 6200 (560) ppt U 4500 (280) ppt			
		Technique	ICP-MS			
		Description	For each of K, Th, and U, natural terrestrial abundance ratios were used to covert from isotopic to total elemental abundances.			
	Data	Reference	D.S.Leonard et al., Nucl. Instr. and Meth. A 591 (2008) (http://dx.doi.org/10.1016/j.nima.2008.03.001)			
		Data entry	Matthew Bruemmer / James Loach mbruemmer@smu.edu / james.loach@gmail.com on 2013-01-30 spec v2.01			
► EXO (2008)	Activated charcoal, Carbo-Act International (NL)	Th	111() ppt	U	206() ppt	...

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Total result: 762

Isotope		Amount	Isotope		Amount	
(NL)	Th	111() ppt	U	206() ppt	...	
(NL)	Th	< 74000 ppt	U	< 65000 ppt	...	
	Th	81000() ppt	-	- -		
	Th	205000() ppt	U	44000() ppt	...	
al	Th	< 34000 ppt	U	< 10100 ppt	...	
	Th	429000() ppt	U	140000() ppt	...	

Feature Individual download

Amount	Isotope	Amount	
0() ppt	U	4500() ppt	  
			Report error Export > Edit >
			Export JSON Export CSV Export XML Export HTML
1() ppt	U	206() ppt	... 
000 ppt	U	< 65000 ppt	... 

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Max entry

Error reporting email

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Amount	Isotope	Amount	
1() ppt	U	206() ppt	  
			Report error Export > Edit >
			Update Clone
4000 ppt	U	< 65000 ppt ...	

Feature Editing & cloning

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Grouping/experiment

EXO (2008)

Sample

Name

Activated charcoal, Carbo-Act International (NL)

Description

Carbo-Act International (NL) activated charcoal.

ID

Table 3. #73

Source

Owner

Name

Email or institution

User

+

Future features

In progress

- Speed
- Sorting
- Unit conversion
- Download options
- Smart searches

Future

- Viewing flexibility
- Documentation
& packaging
- Mobile

Data

~900 assays!

Done

- ILIAS
- Borexino (2002)
- EXO (2008)
- XENON 100 (2011)
- EDELWEISS (2013)
- SuperCDMS
- BetaCage

To do

- SNOLAB
- LBNL LBF

Management

Questions

- 1. Maintenance of the code*
- 2. Supervision of the project*

