

Package: gammaShiny (via r-universe)

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Title 'shiny' Applications for the R Package 'gamma'

Version 0.2.0

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Description A collection of 'shiny' applications for the R package 'gamma'.

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URL <https://github.com/crp2a/gammaShiny>

BugReports <https://github.com/crp2a/gammaShiny/issues>

Imports DT, gamma (>= 1.1.0), ggplot2, grDevices, gt, khroma, knitr, methods, plotly, shiny, shinyWidgets, tools, utils

Encoding UTF-8

RoxygenNote 7.3.2

Collate 'gammaShiny-package.R' 'module_about_ui.R'
'module_dose_server.R' 'module_dose_ui.R'
'module_energy_server.R' 'module_energy_ui.R'
'module_import_server.R' 'module_import_ui.R'
'module_settings_server.R' 'module_settings_ui.R' 'run.R'

Config/pak/sysreqs cmake make libicu-dev libuv1-dev libxml2-dev libssl-dev libnode-dev zlib1g-dev

Repository <https://crp2a.r-universe.dev>

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module_energy_server	<i>Energy Calibration Server</i>
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Description

Energy Calibration Server

Usage

module_energy_server(input, output, session, user_data, user_settings)

Arguments

- input provided by **Shiny**.
- output provided by **Shiny**.
- session provided by **Shiny**.
- user_data a [shiny::reactiveValues()] list with the following elements: "code", "names" and "raw".
- user_settings a [shiny::reactiveValues()] list.

See Also

[module_energy_ui()]
Other modules: [module_about_ui\(\)](#), [module_dose_server\(\)](#), [module_dose_ui\(\)](#), [module_energy_ui\(\)](#), [module_import_server\(\)](#), [module_import_ui\(\)](#), [module_settings_server\(\)](#), [module_settings_ui\(\)](#)

module_energy_ui	<i>Energy Calibration UI</i>
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Description

Energy Calibration UI

Usage

module_energy_ui(id)

Arguments

`id` A ['character'] vector to be used for the namespace.

See Also

[[module_energy_server\(\)](#)]

Other modules: [module_about_ui\(\)](#), [module_dose_server\(\)](#), [module_dose_ui\(\)](#), [module_energy_server\(\)](#), [module_import_server\(\)](#), [module_import_ui\(\)](#), [module_settings_server\(\)](#), [module_settings_ui\(\)](#)

module_import_server	<i>Import Server</i>
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Description

Import Server

Usage

```
module_import_server(input, output, session, user_data, user_settings)
```

Arguments

<code>input</code>	provided by Shiny .
<code>output</code>	provided by Shiny .
<code>session</code>	provided by Shiny .
<code>user_data</code>	a [shiny::reactiveValues()] list with the following elements: "code", "names" and "raw".
<code>user_settings</code>	a [shiny::reactiveValues()] list.

See Also

[[module_import_ui\(\)](#)]

Other modules: [module_about_ui\(\)](#), [module_dose_server\(\)](#), [module_dose_ui\(\)](#), [module_energy_server\(\)](#), [module_energy_ui\(\)](#), [module_import_ui\(\)](#), [module_settings_server\(\)](#), [module_settings_ui\(\)](#)

module_import_ui	<i>Import UI</i>
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Description

Import UI

Usage

```
module_import_ui(id)
```

Arguments

id	A ['character'] vector to be used for the namespace.
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See Also

[[module_import_server\(\)](#)]

Other modules: [module_about_ui\(\)](#), [module_dose_server\(\)](#), [module_dose_ui\(\)](#), [module_energy_server\(\)](#), [module_energy_ui\(\)](#), [module_import_server\(\)](#), [module_settings_server\(\)](#), [module_settings_ui\(\)](#)

module_settings_server	<i>Settings Server</i>
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Description

Settings Server

Usage

```
module_settings_server(input, output, session, user_settings)
```

Arguments

input	provided by Shiny .
output	provided by Shiny .
session	provided by Shiny .
user_settings	a [shiny::reactiveValues()] list.

See Also

[[module_settings_ui\(\)](#)]

Other modules: [module_about_ui\(\)](#), [module_dose_server\(\)](#), [module_dose_ui\(\)](#), [module_energy_server\(\)](#), [module_energy_ui\(\)](#), [module_import_server\(\)](#), [module_import_ui\(\)](#), [module_settings_ui\(\)](#)

module_settings_ui	<i>Settings UI</i>
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Description

Settings UI

Usage

```
module_settings_ui(id)
```

Arguments

id	A ['character'] vector to be used for the namespace.
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See Also

[module_settings_server()]

Other modules: [module_about_ui\(\)](#), [module_dose_server\(\)](#), [module_dose_ui\(\)](#), [module_energy_server\(\)](#), [module_energy_ui\(\)](#), [module_import_server\(\)](#), [module_import_ui\(\)](#), [module_settings_server\(\)](#)

run_app	<i>Run a Shiny App</i>
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Description

A wrapper for [shiny::shinyAppDir()].

Usage

```
run_app(app = c("doserate", "calibration"), browser = TRUE, display = "auto")
```

```
launch_app(  
  app = c("doserate", "calibration"),  
  browser = TRUE,  
  display = "auto"  
)
```

Arguments

app	A ['character'] string specifying the Shiny application to run. It must be one of "doserate" or "calibration" (see details). Any unambiguous substring can be given.
browser	A ['logical'] scalar: should the app be run in the browser?
display	A ['character'] string specifying the mode in which to display the application (see [shiny::runApp()]).

Details

Application name	**Keyword**
Dose rate estimation	‘dose_rate’
Calibration curve builder	‘calibration’

Value

A **shiny** application object.

Note

Usefull presets for the energy scale calibration:

Channel	Energy (keV)
76	238.63
465	1460.82
830	2614.51

Author(s)

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Examples

```
## Not run:
run_app("dose_rate")
run_app("calibration")

## End(Not run)
```

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