

Package: gammaShiny (via r-universe)

July 19, 2024

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

Version 0.2.0

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

License GPL-3

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

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

Imports DT, gamma (>= 1.0.3), ggplot2, grDevices, kableExtra, khroma, knitr, methods, plotly, shiny, shinyWidgets, stats, tools, utils

Encoding UTF-8

RoxygenNote 7.2.1

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'

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

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

RemoteRef HEAD

RemoteSha ebf18c7a17dbd5c370bc370e73b80e0752f76845

Contents

module_about_ui	2
module_dose_server	2
module_dose_ui	3
module_energy_server	3
module_energy_ui	4
module_import_server	4
module_import_ui	5

module_settings_server	5
module_settings_ui	6
run_app	6

Index	8
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module_about_ui	<i>About UI</i>
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Description

About UI

Usage

```
module_about_ui(id)
```

Arguments

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

See Also

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

module_dose_server	<i>Dose Rate Server</i>
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Description

Dose Rate Server

Usage

```
module_dose_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_dose_ui()]

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

module_dose_ui *Dose Rate UI*

Description

Dose Rate UI

Usage

```
module_dose_ui(id)
```

Arguments

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

See Also

[module_dose_server()]

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

module_energy_server *Energy Calibration Server*

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

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_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.

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.

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	'doserate'
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("doserate")
run_app("calibration")

## End(Not run)
```

Index

* **modules**

- module_about_ui, [2](#)
- module_dose_server, [2](#)
- module_dose_ui, [3](#)
- module_energy_server, [3](#)
- module_energy_ui, [4](#)
- module_import_server, [4](#)
- module_import_ui, [5](#)
- module_settings_server, [5](#)
- module_settings_ui, [6](#)

* **shiny**

- run_app, [6](#)

launch_app (run_app), [6](#)

module_about_ui, [2](#), [3-6](#)
module_dose_server, [2](#), [2](#), [3-6](#)
module_dose_ui, [2](#), [3](#), [3](#), [4-6](#)
module_energy_server, [2](#), [3](#), [3](#), [4-6](#)
module_energy_ui, [2-4](#), [4](#), [5](#), [6](#)
module_import_server, [2-4](#), [4](#), [5](#), [6](#)
module_import_ui, [2-5](#), [5](#), [6](#)
module_settings_server, [2-5](#), [5](#), [6](#)
module_settings_ui, [2-6](#), [6](#)

run_app, [6](#)