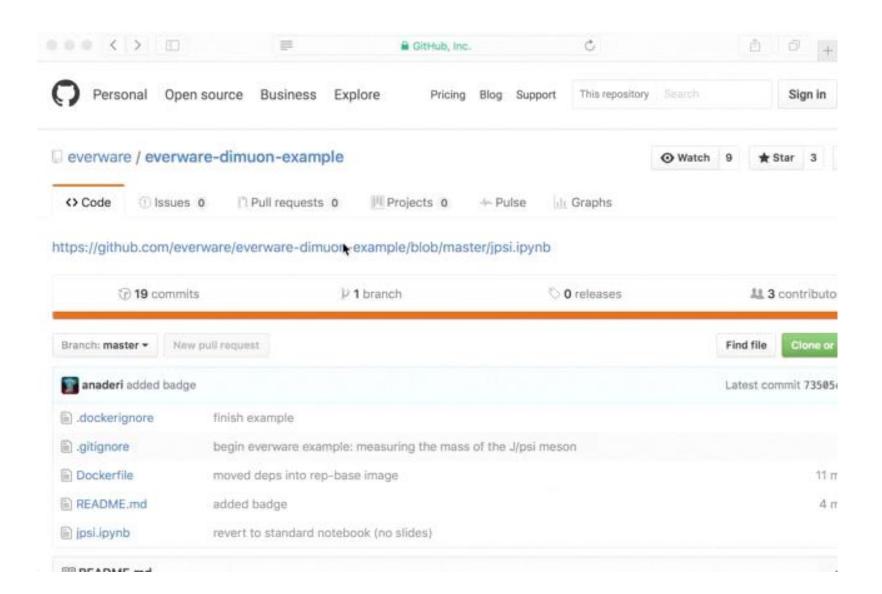# Everware toolkit

supporting reproducible science and challenge-driven education

Tim Head, Igor Babuschkin[3], Alexander Tiunov[2], Andrey Ustyuzhanin[1,2]

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[1]Yandex School of Data Analysis, [2]Higher School of Economics NRU, [3]University of Manchester

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▢ everware / everware-dimuon-example

⊙ Watch 9   ★ Star 3

<> Code   ⓘ Issues 0   ⑃ Pull requests 0   ▥ Projects 0   ⼁ Pulse   ⼁⼁ Graphs

https://github.com/everware/everware-dimuon-example/blob/master/jpsi.ipynb

⑂ 19 commits   ⼁ 1 branch   ♡ 0 releases   ⼁⼁ 3 contributo

Branch: master ▾   New pull request   Find file   Clone or

▨ anaderi added badge   Latest commit 735051

▤ .dockerignore   finish example
▤ .gitignore   begin everware example: measuring the mass of the J/psi meson
▤ Dockerfile   moved deps into rep-base image   11 m
▤ README.md   added badge   4 m
▤ jpsi.ipynb   revert to standard notebook (no slides)

▥▥ README md

Everware is ...

... about re-usable science, it allows people to jump right into your research code. Lets you launch *Jupyter* notebooks from a git repository with a click of a button.

> 〉 https://github.com/everware
> 〉 https://everware.rep.school.yandex.net (Yandex instance)

Examples:

> 〉 algorithm meta-analysis, https://github.com/openml/study_example
> 〉 gravitational waves, https://github.com/anaderi/GW150914
> 〉 COMET, https://github.com/yandexdataschool/comet-example-ci

How it works:

> 〉 **resources**: wherever *everware* is installed (Yandex)
> 〉 **data**: CERNBOX
> 〉 **environment** management:
>> 〉 conda or virtualenv
>> 〉 docker
> 〉 github: analysis **code** versioning
> 〉 Jupyter(Hub): runs the code interactively (a-la **workflow**)
> 〉 continuous integration: intermediate **results checks** & report

Highlights

⟩ Reproducibility is not easy, but possible;

⟩ everware *works* for research and education

⟩ easy to try;

  ⟩ WIP, https://github.com/everware (open-source, care to join?);
    ⟩ feature requests are welcome
    ⟩ pull requests are most welcome

  ⟩ See talk on LHCb open data masterclass for an extensive example.