

D2EIC on github repository

<https://github.com/eic/D2EIC>

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Milestone: EIC 2nd detector “official” repo

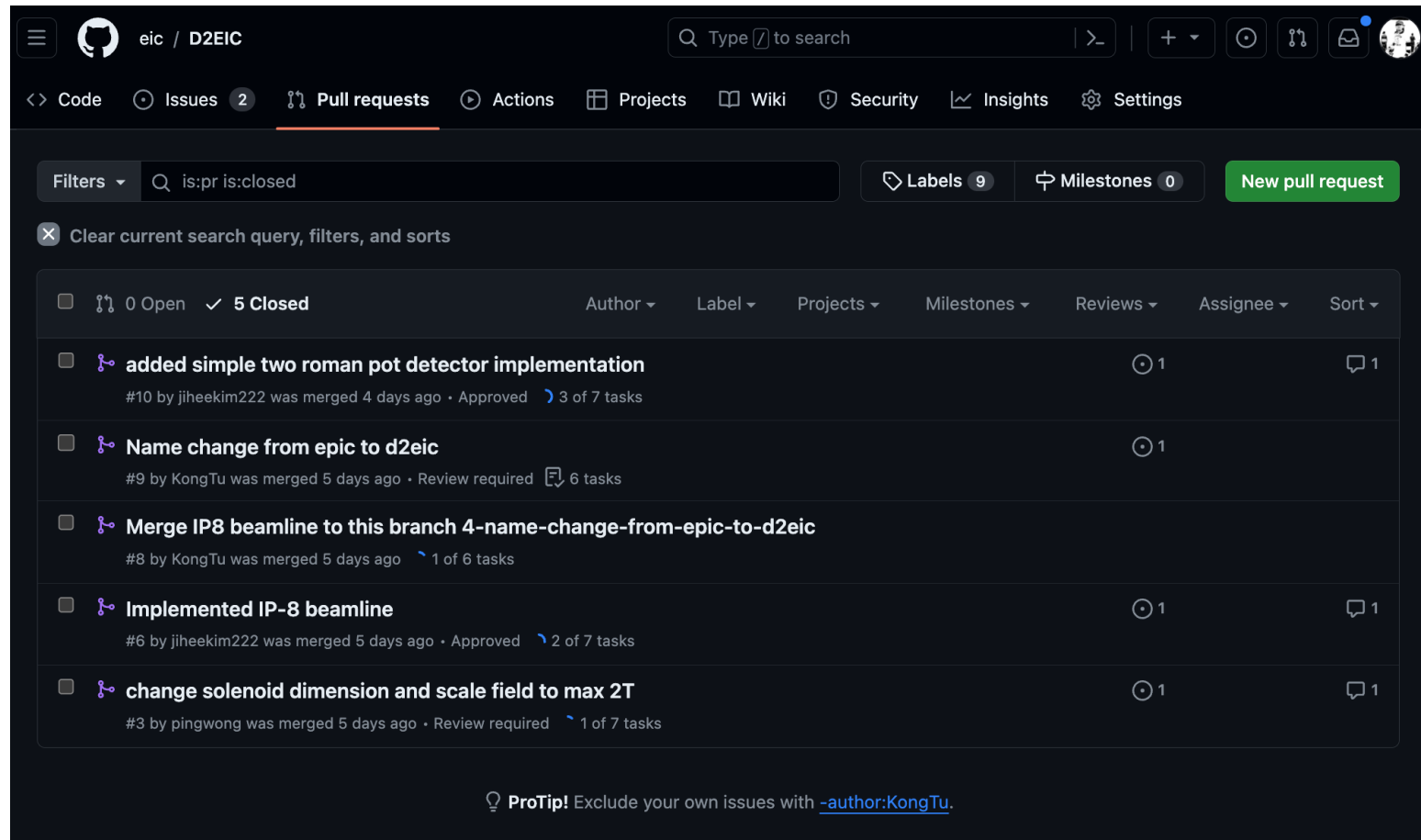
The screenshot shows a list of GitHub repositories related to the EIC detector 2 project. Each repository entry includes the repository name, its visibility (Public), a brief description, the primary programming language, star count, fork count, issue count, and the last update time. A green line graph is visible to the right of each repository name. On the right side of the screenshot, there are two sections: 'Top languages' showing C++ as the most popular, followed by Shell, C, HTML, and Jupyter Notebook; and 'Most used topics' showing 'eic', 'daily-build', 'fun4all-core', 'fun4all-detector', and 'spack' as the most common topics.

Repository Name	Visibility	Description	Language	Stars	Forks	Issues	Updated
EICrecon	Public	EIC Reconstruction - JANA based	C++	5	23	105 (3 issues need help)	Updated 16 minutes ago
containers	Public	Container building infrastructure (mirror of https://eicweb.phy.anl.gov/containers/eic_container)	Shell	0	2	1	Updated 17 hours ago
eic-spack	Public	Spack packages for the Electron Ion Collider	Python	3	5	21	Updated 17 hours ago
D2EIC	Public	Detector 2 at the EIC	C++	1	1	2	Updated 19 hours ago
epic	Public	DD4hep Geometry Description of the ePIC Experiment	C++	16	32	54 (4 issues need help)	Updated 20 hours ago

Under EICUG

<https://github.com/eic/D2EIC>

Already a few merges



The screenshot shows the GitHub interface for the repository 'eic / D2EIC'. The 'Pull requests' tab is active, displaying a list of merged pull requests. The search bar contains 'is:pr is:closed'. The list includes:

- 0 Open, 5 Closed
- added simple two roman pot detector implementation (merged 4 days ago, 3 of 7 tasks)
- Name change from epic to d2eic (merged 5 days ago, 6 tasks)
- Merge IP8 beamline to this branch 4-name-change-from-epic-to-d2eic (merged 5 days ago, 1 of 6 tasks)
- Implemented IP-8 beamline (merged 5 days ago, 2 of 7 tasks)
- change solenoid dimension and scale field to max 2T (merged 5 days ago, 1 of 7 tasks)

ProTip! Exclude your own issues with `-author:KongTu`.

Developments from Ping and Jihee are already merged:

- Solenoid dimension with 2T field
- IP8 beamline with FF detectors
- All names are changed to D2EIC instead of epic.
- We disabled the ``workflows`` or Continuous Integration (CI) functionality.
- and more...

General procedure (for now)

- Issue-based process:
 - Create an issue
 - A new branch for this specific development
 - Pull request
 - At least a reviewer to review the changes that is not the developer.
 - Merge to main.

(if one wants to get involved, please email me to provide you the proper access)
- Ping, Jihee, and Kong have already done a few times successfully.
- Other people will be required to follow this for the D2 development.

Discussions

- As of now, we have a very small group of people actively working on this; therefore, **no dedicated meeting or office hour yet**. This could change at anytime to adapt what we need. However, we would try to avoid unnecessary meeting.
- Working meeting might be a good idea.
- Any suggestions or comments or questions?

Summary

- Milestone – we have a dedicated repository – D2EIC.
<https://github.com/eic/D2EIC>
- Easy part is done, now we need to think about what to implement in terms of **geometry, technology, and reconstruction!**
- We welcome new developers! Please email me or Bill for details.