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Data-sharing at the CCA: Binder and FlatHUB

Content

I will describe and discuss the two main platforms for providing public access to astrophysical simulation data that is hosted at the Flatiron Institute. The Binder service, built upon the open-source tool BinderHub, allows any Flatiron researcher to customize a computing environment for external users, providing them with basic tools such as a terminal and a Jupyter notebook for interfacing with selected data stored on the Flatiron cluster. FlatHUB is a science platform developed in-house that allows users to explore and compare data from different simulations and datasets with one another, browse and filter the data collections, make simple preview plots, and download sub-samples of the data.

Preferred talk time

any of the sessions starting 13:30 UTC are ok (I am located in EDT), except for Friday 5/28 on which I will not be available

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Track Classification: Data Curation and Preservation; Knowledge Discovery in Databases; Theory; Science Platform workshop

Submitted by **Dr GENEL, Shy** on **Monday 10 May 2021**