

CHALLENGES

- Openness & modularity is an active choice that must be made repeatedly
- Community must recognize that a closed-source code is a non-replicable result
- The vision of groups who developed modular frameworks, together with the shifting of funding agency requirements towards open-sourcing have been crucial
- Finding ways to reward the development of useful software is critical to incentivize researchers design codes well so that they are modular and usable

CONCLUDING THOUGHTS

$$G_{\mu\nu} = 8\pi T_{\mu\nu}$$