Dear PRL,

We are pleased to submit our manuscript entitled "Predicting Spatial Curvature $\Omega_K$ in Globally CPT-Symmetric Universes" for consideration as a letter in the *Cosmology Concept* section.

The CPT-symmetric universe model offers a novel framework for addressing numerous challenges in both cosmology and the Standard Model of particle physics, without introducing additional complexity. We consider perturbations to such universes, which have symmetry conditions both at the beginning and the end of the universe. These impose further constraints on the allowed curvature values, specifically $\Omega_K$ = {-0.014, -0.009, -0.003, …}.

Given current debate in the literature surrounding spatial curvature [1911.02087, 1908.09139, 2205.05892, 2002.06892], we believe our findings offer valuable insight into the nature of spatial curvature. There is evidence of community interest in this work, as when it was presented at CosmoVerse2024 this July it received the prize for best poster.

We would like to recommend the following potential reviewers, who have the appropriate expertise to evaluate our work:

- Eleonora Di Valentino, Research Fellow, University of Sheffield (e.divalentino@sheffield.ac.uk)
- William Giare, Research Associate, University of Sheffield (w.giare@sheffield.ac.uk)
- Béatrice Bonga, Assistant professor, Radboud University (bbonga@science.ru.nl)
- Mary Letey, PhD student, Harvard University (maryletey@fas.harvard.edu)
- George F R Ellis, Emeritus Professor, University of Cape Town (george.ellis@uct.ac.za)

If you require any additional information or have any questions regarding the manuscript, please do not hesitate to contact us. Thank you for your time and consideration.

Sincerely,

Wei-Ning Deng and Dr. Will Handley

Astrophysics Group, Cavendish Laboratory, University of Cambridge