

## Spanish and Portuguese Relativity Meeting



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# Constraining 3-form dark energy models

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In the present talk, we reanalyse 3-form dark energy (DE) models. Those models are well known to have a phantom-like behaviour. In particular, they may lead to an abrupt late-time cosmological event which is known as the little sibling of the Big Rip (LSBR) much smoother than a Big Rip singularity. We will present cosmological constraints on the model using Planck, DESI, Pantheon+, SH0ES and DESY1. The combined dataset suggests a scenario where 3 form climbed the potential at  $2 < z < 4$ , successfully bridging late time and early time datasets. As the result the infamous  $H_0$  tension is relieved from 5 sigma in the LambdaCDM model to 3 sigma in the 3 form model, without sacrificing the sigma-8 tension.

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