

With Gaia eDR3, we can search for tidal tails of open star clusters in the MW disk for the first time.

AND WE ABSOLUTELY SHOULD DO THAT!

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ALL STAR-CLUSTERS HAVE TIDAL TAILS



PROBLEM?

Tidal tails do not co-move with their star-cluster and are hidden in the Galactic field

PETAR + GAIA PROJECT

We use N-body simulations to robustly identify tidal tails of open star clusters in the MW disc

RESULTS

JERABKOVA ET AL. (A&A, 2021) 

detection of the full extent (1kpc!) of tidal tail of the Hyades star cluster and the first even detection of substructures in the tail of open star cluster putting constraints on the MW potential

 See our ESA press release 



 CHECK ALSO WANG, JERABKOVA (A&A, 2021)
AND STAY TUNED - MUCH MORE IS COMING!

TIDAL TAILS

tell us the tale of cluster formation
and evolution
and of the Milky Way potential that
has impacted the stars

Get in touch!
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