

Bar pattern speed in the *Gaia* era

Older ->
Newer

● UV plane + $R - v_\phi$ × Inner MW ■ Action-Angle ▲ Halo

"Pre *Gaia*"

"Post *Gaia*"

Dehnen (2000)

Portail et al. (2017)

Monari et al. (2017)

Perez-Villegas et al. (2017)

Hunt et al. (2018)

Michtchenko et al. (2018b)

Ramos et al. (2018)

Bovy et al. (2019)

Clarke et al. (2019)

Monari et al. (2019a)

Asano et al. (2020)

Binney (2020)

Chiba et al. (2021)

Trick et al. (2021)

Kawata et al. (2021)

Trick (2022)

Clarke et al. (2022)

Gaia Collaboration et al. (2023)

Leung et al. (2023)

Sanders et al. (2023)

Dillamore et al. (2023)

Lucchini et al. (2024)

Dillamore et al. (2024)

Horta et al. (2024)

Zhang et al. (2024)

20 25 30 35 40 45 50 55

Ω_b (km s⁻¹ kpc⁻¹)

Type of estimation:

- Qualitative comparison

- Quantitative fit