Validation of OTI: Quasi-isothermal Disk DF with Selection Function

acceleration profile — vertical acceleration a_z [$\mathrm{km\,s^{-1}\,Myr^{-1}}$] vs vertical position z [kpc]; legend: OTI inferred a_z, uncertainty, true $a_z(z)$.

orbit shapes — vertical position z [kpc] vs vertical velocity v_z [$\mathrm{km\,s^{-1}}$]; legend: OTI inferred, true orbit.

vertical action J_z — true J_z [$\mathrm{km\,kpc\,s^{-1}}$] vs inferred J_z [$\mathrm{km\,kpc\,s^{-1}}$]; legend: particle J_z values, one-to-one line.