Validation of OTI: Quasi-isothermal Disk DF with Selection Function acceleration profile orbit shapes vertical action J_z [kpc]100 50 vertical OTI inferred a_z particle J_z values uncertainty OTI inferred true $a_z(z)$ true orbit one-to-one line 50 100 vertical position, z [kpc] vertical velocity, v_z [km s⁻¹] inferred J_z [km kpc s⁻¹]