Bubot 2020

- Hus almost radial trajectories - Paper that doesn't neglect evolution of HW9 LMC
-First evidence of Hill's Mechanism w1 3Mo HS
Stor moving at 700 Km51 ~ 100 Kpc and (Branet al. 2005) Hb= 5x109 Mo 96 = 500 pc N R2+ (ad+(z2+62)1/2)2 Md = 6.8 x 100 Mg/ ad = 3000 pc (; ; ; + bd = 280 pc $\phi_{H} = -\frac{GM_{H}}{\Gamma} \frac{\ln(1+\Gamma)}{\ln(1+C) - \frac{C}{1+C}}$ MH = 8x10" Mo Th = 16000 pc C = 15.3 - Treat LMC & HW as right (Indiv poticles) Long defondion - Sun at (8.3, 0.027) kpc { more (Ver 4), 12)=(+1.1, 232.24, Basel on Chen et al. 2001 7.20) kan 5-1 Gilles so et al. 2009

Buy 2015

- Track HUS3 fill cross plane of 9

-Neglecting the trojection of MW FLMC

corner deflections in trajectory of HUS WI reality,

Measured

no were need man precox proper motion data

in order of 10 Nas yr-1 to get accurate

results. we ge at mas gr-1 L> We will have to neglect to by - of LMC ! MW as well as det oros. get precise i gives loge -> Reflex motion o Vat which Hw moving during fly by.

L> Also no fire -> complicated