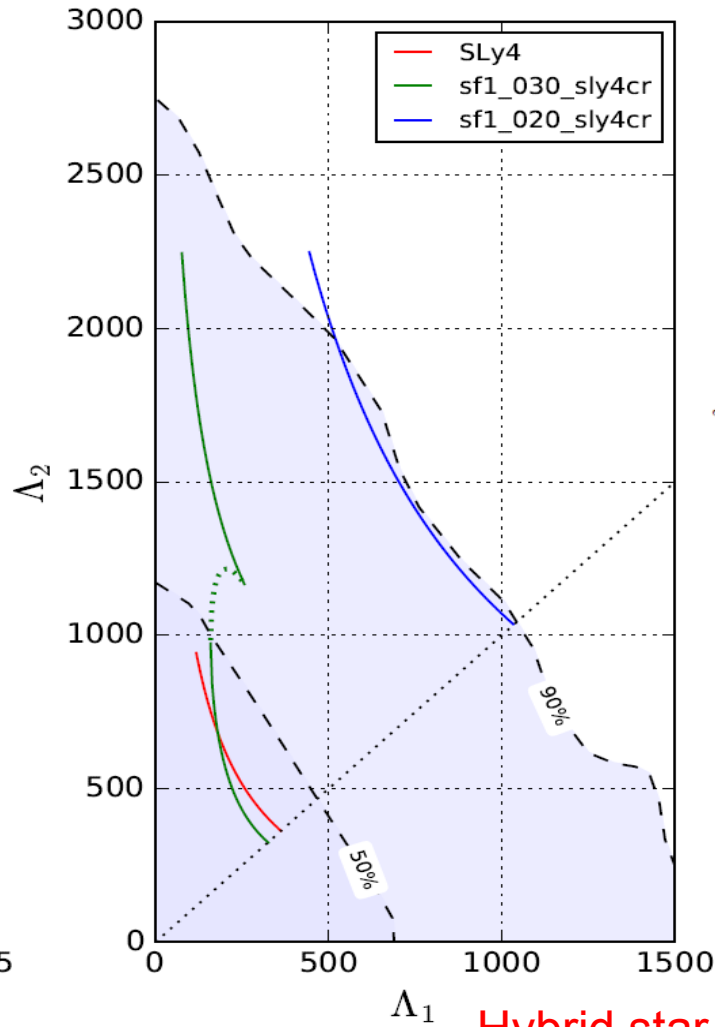
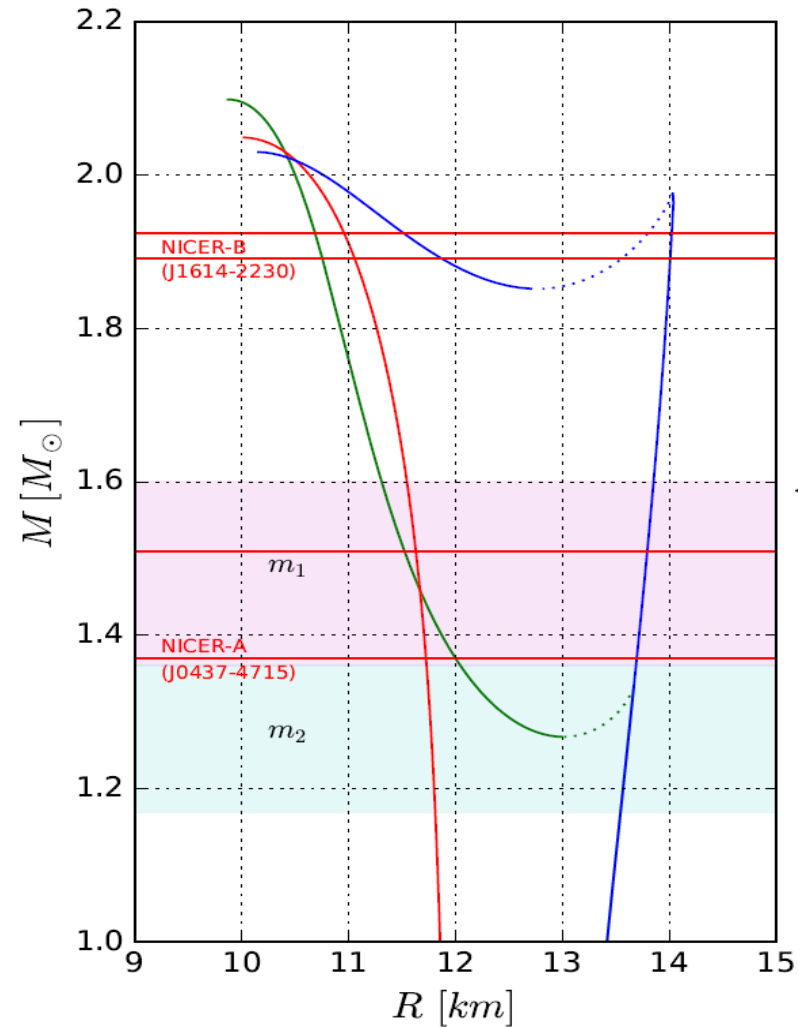
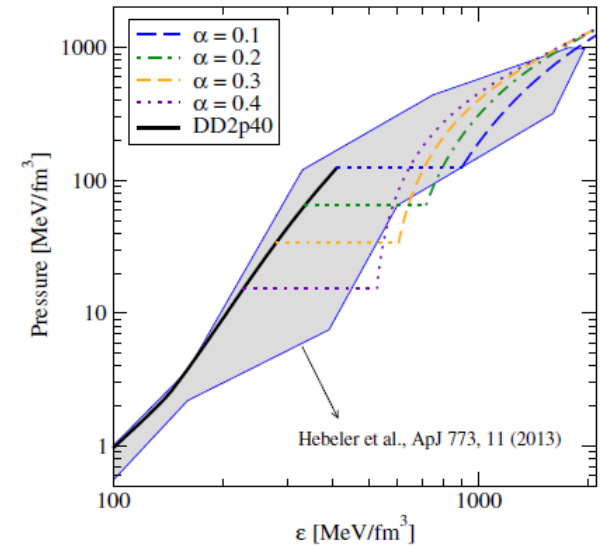


Was GW170817 not a neutron star merger?



EoS:
 DD2_P40 – SFM_α=0.3
 M. Kaltenborn et al.
 PRD 96 (2017) 056024



TOV / TD calculation:
 M. Bejger et al.

Alternative:

Hybrid star (HS) – HS / HS-NS merger



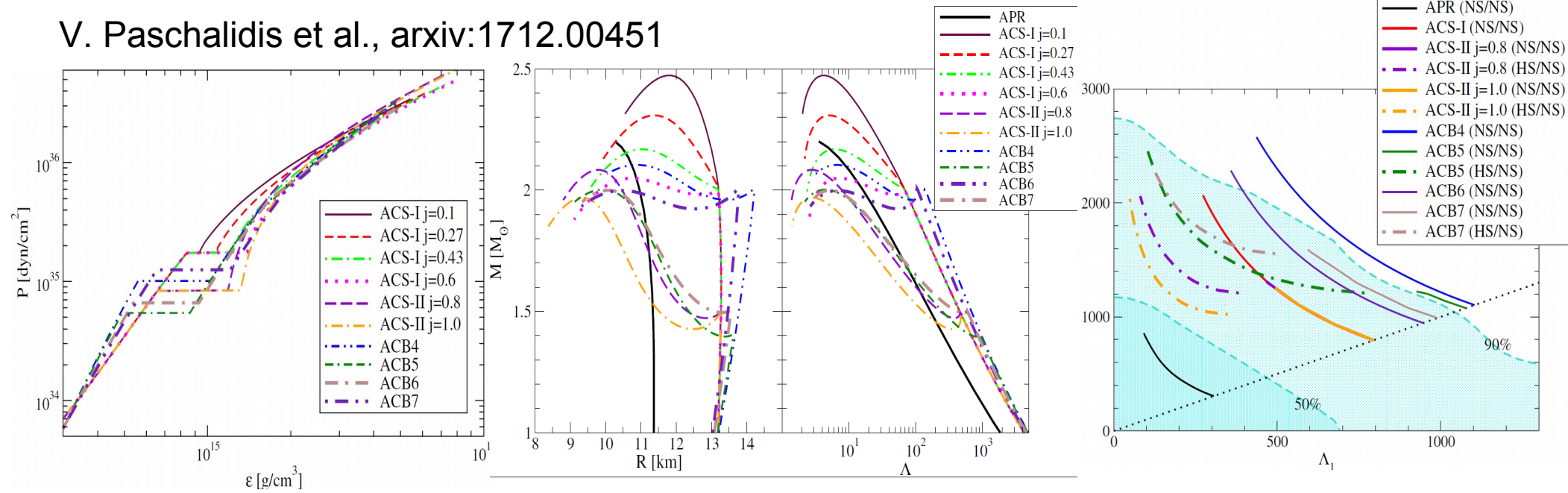
David Blaschke, INT Seattle, 12.03. 2018



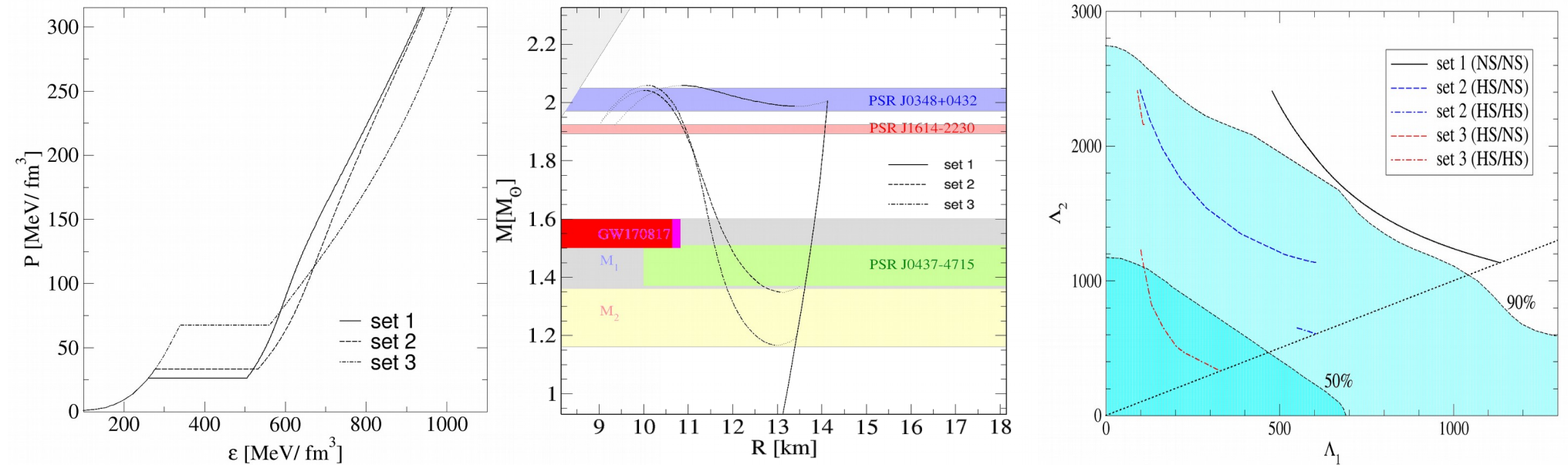
Grant No. 17-12-01427

Other examples: Multi-polytrope and multi-CSS model

V. Paschalidis et al., arxiv:1712.00451

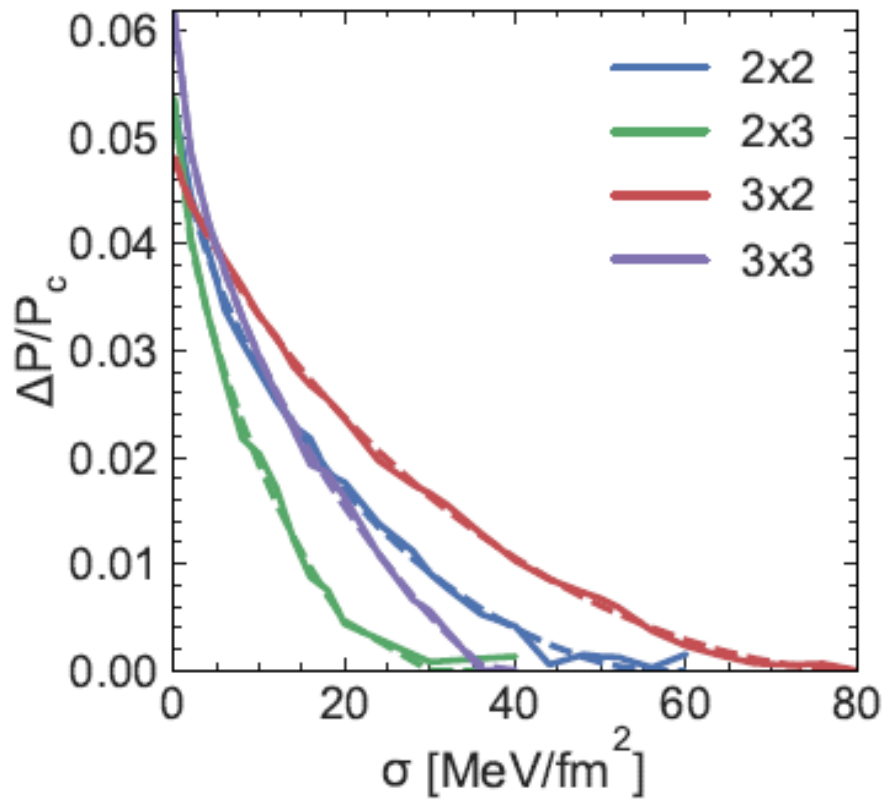


Nonlocal NJL model (with interpolation), D. Alvarez-Castillo et al. (in preparation)



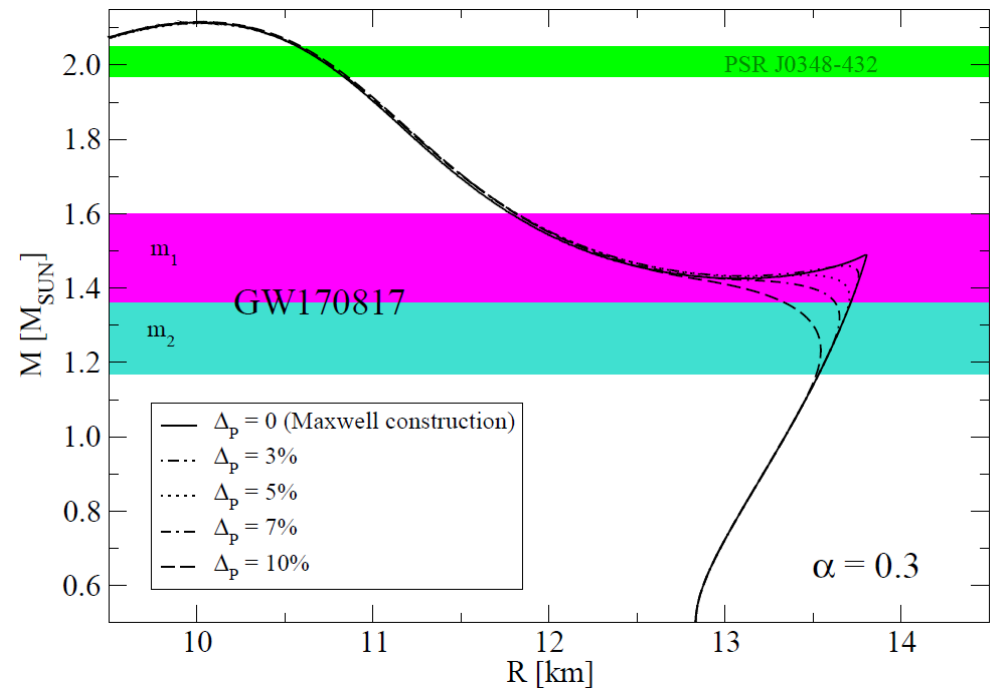
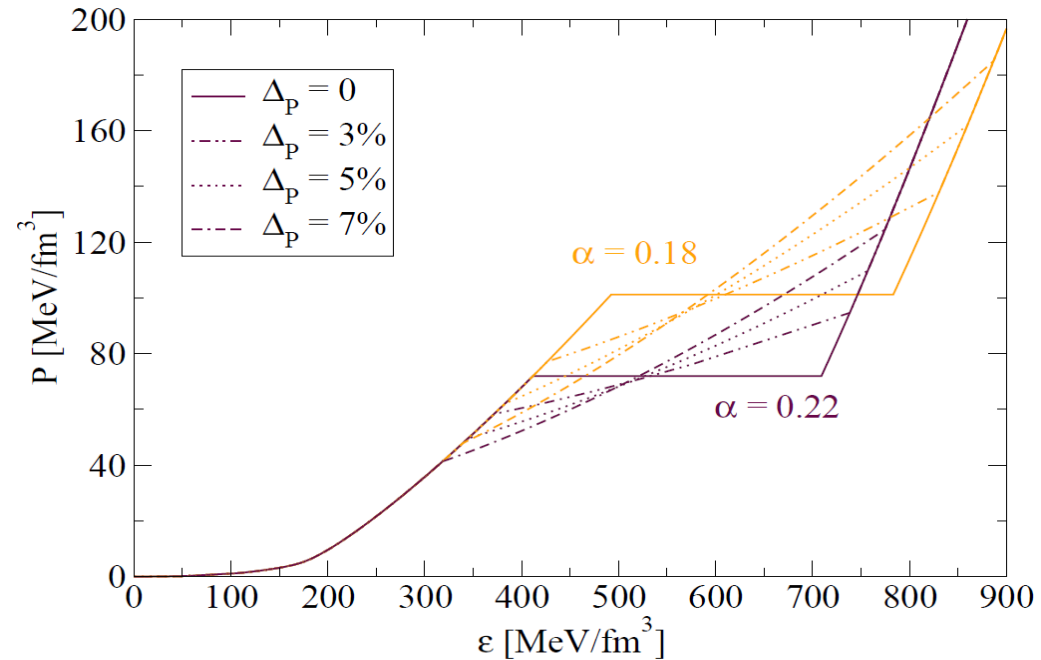
Effect of a mixed phase: KVOR_cut2 – SFM_α=0.3, A. Ayriyan et al., 1711.03926

Small surface tension – small structures



K. Maslov, N. Yasutake et al. (in prep.)

Pasta structures
do not destroy the HS-NS merger alternative



CEP in the QCD phase diagram: HIC vs. Astrophysics

