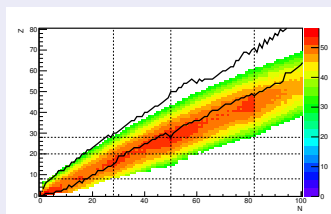


MASSES OF NEUTRON RICH NUCLEI

- Measurements of binding energies for neutron rich nuclei :
 - ▶ Nucleosynthesis
 - ▶ Composition of the neutron star outer crust [Kreim et al. 2013, Wolf et al. 2013]
 - ▶ Composition of core collapse matter during collapse
→ electron capture, mass at bounce, . . . [Hix et al 2003, Sullivan et al. 2015, Raduta et al 2016, ...]

$$n_B = 1.18 \times 10^{-3} \text{fm}^{-3}, T = 2 \text{ MeV}, Y_e = 0.275$$



[A. Raduta et al, PRC 2016]