UPDATED VERSION OF THE COLLINEAR CLUSTER TRI-PARTITION SCENARIO

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In our recent publication [1] we have proposed possible scenario of the collinear cluster tri-partition (CCT) in ²⁵²Cf(sf). Under our model, one of the most populated CCT modes giving rise to the so called "Ni-bump" occurs as a two-stage breakup of the initial three body chain like the nuclear configuration with an elongated central cluster. The model gave answers to many critical questions on the CCT scenario. Nevertheless, it's needed in further clarification. The updated version is discussed in this report.

1. Yu.V.Pyatkov et al. // Phys. Rev. C. 2017. V.96. 064606.