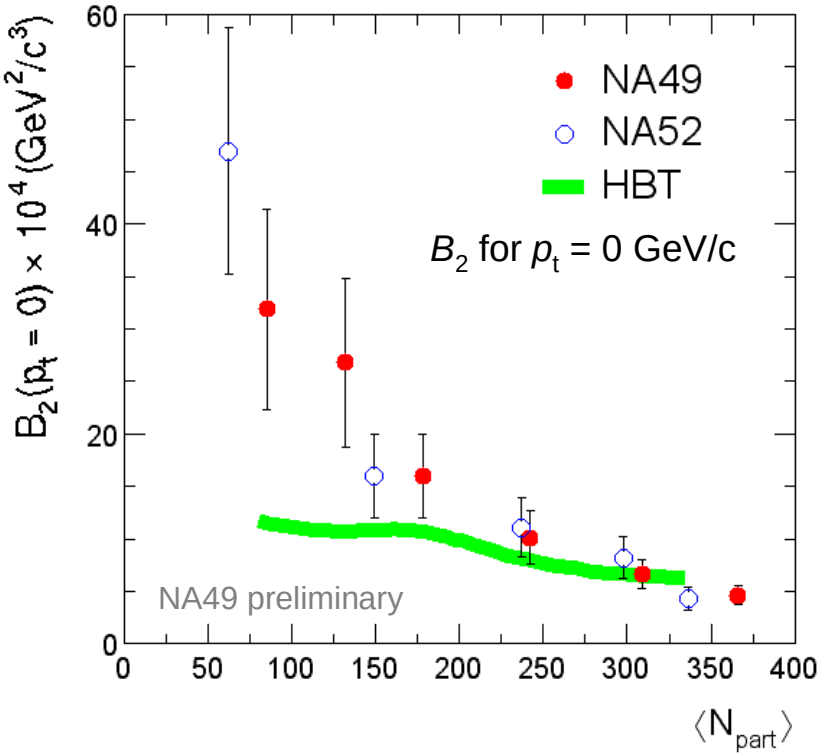
Deuteron Coalescence

B_2 vs System Size

- Min. bias Pb+Pb @ 158 *A*GeV
- Strong variation of B_2 with centrality (almost factor 10)
- Not consistent with change of HBT volume $R_G = \sqrt[3]{R_{side}^2 R_{long}}$

$$B_2 = \frac{3}{4}\left(\sqrt{\pi}c\hbar\right)^3 \frac{m_d}{m_p}\frac{1}{R_G^3}$$

W. Llope et al., Phys. Rev. C52 (1995) 2004