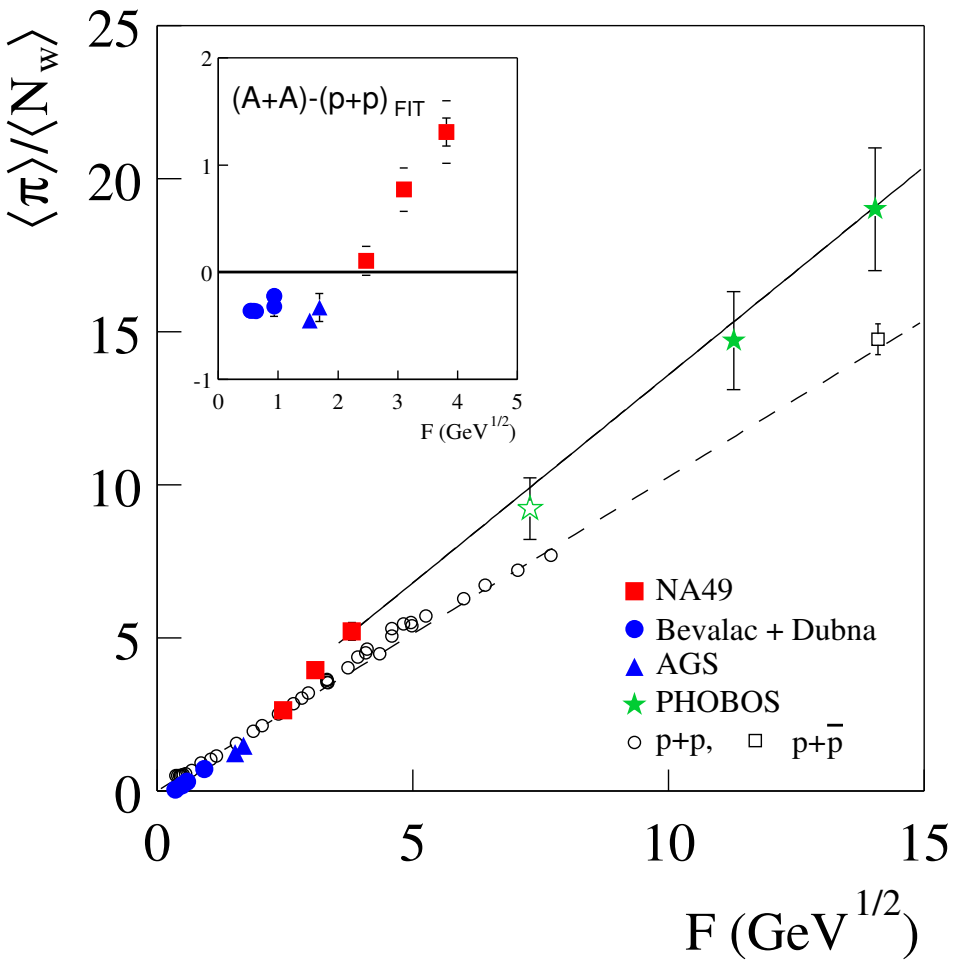
particle yields: energy dependence of π-production



- pion suppression in A+A compared to p+p at low energy changes to enhancement in the SPS range
- can be interpreted as increase of the number of degrees of freedom in the early collision phase

M.Gazdzicki, M.Gorenstein, Acta Phys.Polon.B30:2705(1999):

$$\langle\pi\rangle/\langle N_W\rangle \propto g^{1/4}F \quad , \quad F = (\sqrt{s_{NN}} - 2m_N)^{3/4}/\sqrt{s_{NN}}^{1/4}$$