ACHT 2021: Perspectives in Particle, Cosmo- and Astroparticle Theory



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Scaling properties of direct photons in heavy ion collisions

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Recently PHENIX Collaboration has shown that direct photon spectra, appropriately scaled by charged hadron density show universal behaviour known as multiplicity scaling. On the other hand the same data exhibit so called geometrical scaling, which follows from the non-linear nature of QCD. We show how these two scaling laws are connected.

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