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## Statistical Hadronisation in ep, ee, pp and AA Collisions

*Tuesday, April 12, 2016 10:05 AM (20 minutes)*

It has been shown that power-law hadron spectra observed in jets stemming from high-energy ee and pp collisions can be described by a statistical hadronisation model based on microcanonical statistics and superimposed Negative-Binomial (NBD) multiplicity fluctuations [1,2,3]. In this talk, applications of this model to ep DIS are discussed: fits to fragmentation functions and multiplicity distributions are presented. Besides, applications of such fragmentation model to heavy-ion collisions are also discussed based on [4,5].

Refs.:

- [1] Phys. Lett. B, 718 (2012) 125-129, arXiv:1204.1508
- [2] Phys. Lett. B, 701 (2011) 111-116, arXiv:1101.3023
- [3] Acta Phys.Polon.Supp. 5 (2012) 363-368
- [4] Phys.Lett. B689 (2010) 14-17, arXiv:0911.1411
- [5] J.Phys.Conf.Ser. 612 (2015) 1, 012048

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