Title:	A unified formalism to study soft as well as hard part of the transverse momentum spectra
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Keywords:	unified formalism study soft hard part transverse
Issue Date:	2022
Publisher:	arXiv
Citation:	Springer Proceedings in Physics, 277(1),
Abstract:	Transverse momentum pT spectra of final state particles produced in high energy heavy-ion collision can be divided into two distinct regions based on the difference in the underlying particle production process. We have provided a unified formalism to explain both low- and high-pT regime of spectra in a consistent manner. The pT spectra of final state particles produced at RHIC and LHC energies have been analysed using unified formalism to test its applicability at different energies, and a good agreement with the data is obtained across all energies. Further, the prospect of extracting the elliptic flow coefficient directly from the transverse momentum spectra is explored.
Description:	Only IISER Mohali authors are available in the record.
URI:	htt://doi.org/10.1007/978-981-19-2354-8_86 (htt://doi.org/10.1007/978-981-19-2354-8_86) http://hdl.handle.net/123456789/4917 (http://hdl.handle.net/123456789/4917)
Appears in Collections:	Research Articles (/jspui/handle/123456789/9)

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