pythia8.3 (p + p, $\sqrt{s} = 27$ GeV, SoftQCD=on) Averaged multiplicities: $\langle n_{ch} \rangle = 9.5$, $\langle n_0 \rangle = 9.6$ Fairly fast: < 1 msec/event

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Averaged multiplicities: $\langle n_{ch} \rangle = 9.5$, $\langle n_0 \rangle = 9.6$

Selection criteria: at least one track with $p_\perp > p_{\mathsf{thr}}$ and $\Theta > 0.5$

| $p_{\rm thr},~{\rm GeV}/c$ | acceptance | $\langle n_{\sf ch} angle$ (in barrel) | $\langle \textit{n}_0 angle$ (in barrel) |
|----------------------------|------------|---|---|
| 0.2 | 0.69 | 5.4 | 3.3 |
| 0.5 | 0.57 | 2.7 | 1.0 |
| 1.0 | 0.17 | 1.4 | 0.2 |

Channels: $J/\Psi \rightarrow \mu^+ \mu^ J/\Psi \rightarrow \pi^+ \pi^- \mu^+ \mu^ D^+ \rightarrow K^- \pi^+ \pi^ D \rightarrow 2$ (or 3) charged mesons calibration processes

3

- Simple model of the magnetic field (uniform, solenoidal, B = 1 T)
- Naive hits
- Plots:



문어 비원이다.

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