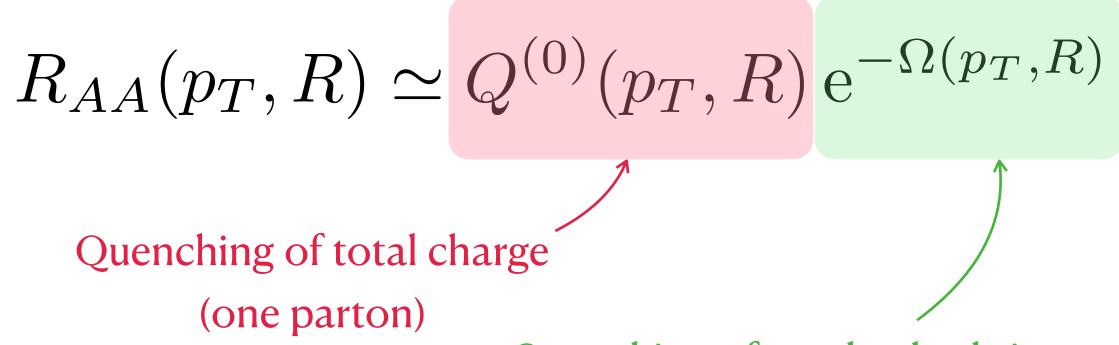
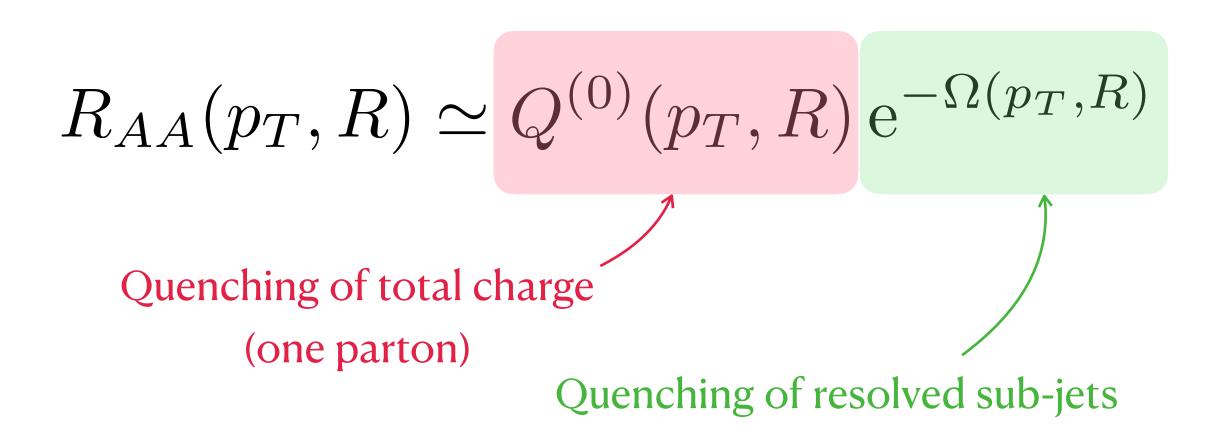
Multivariate probes of coherence physics

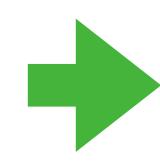


Quenching of resolved sub-jets (many partons)

Multivariate probes of coherence physics



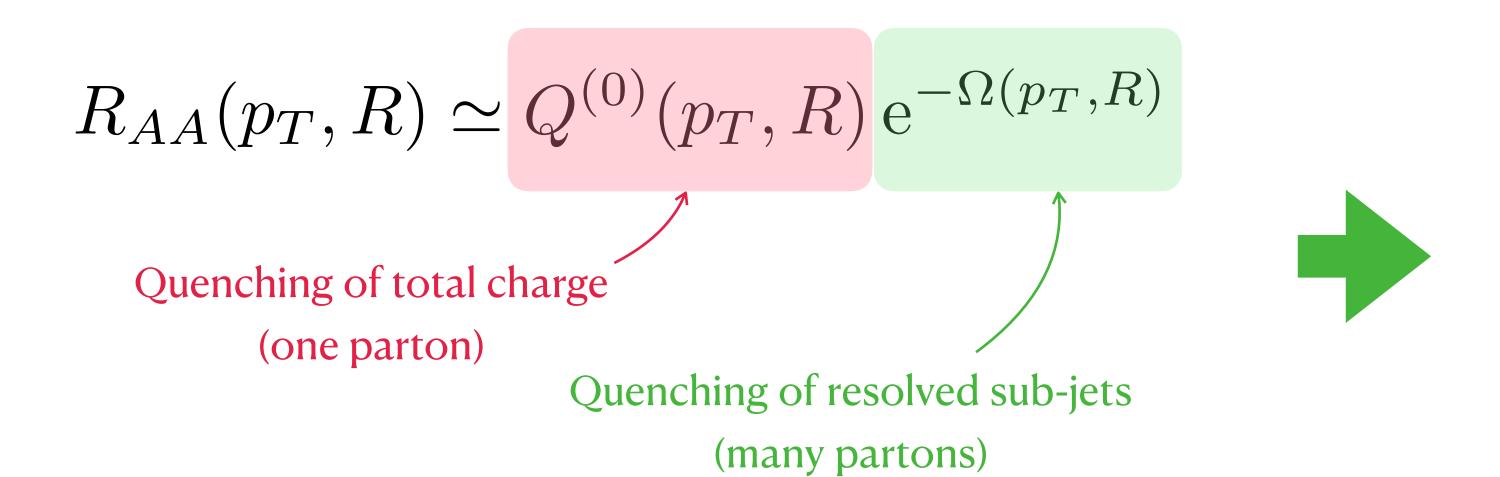
(many partons)



$$v_2 \simeq -\frac{e}{2} \frac{\mathrm{d} \ln R_{\mathrm{AA}}}{\mathrm{d} \ln L}$$

Differential measure of jet suppression in- and out-of-plane.

Multivariate probes of coherence physics



$$v_2 \simeq -\frac{e}{2} \frac{\mathrm{d} \ln R_{\mathrm{AA}}}{\mathrm{d} \ln L}$$

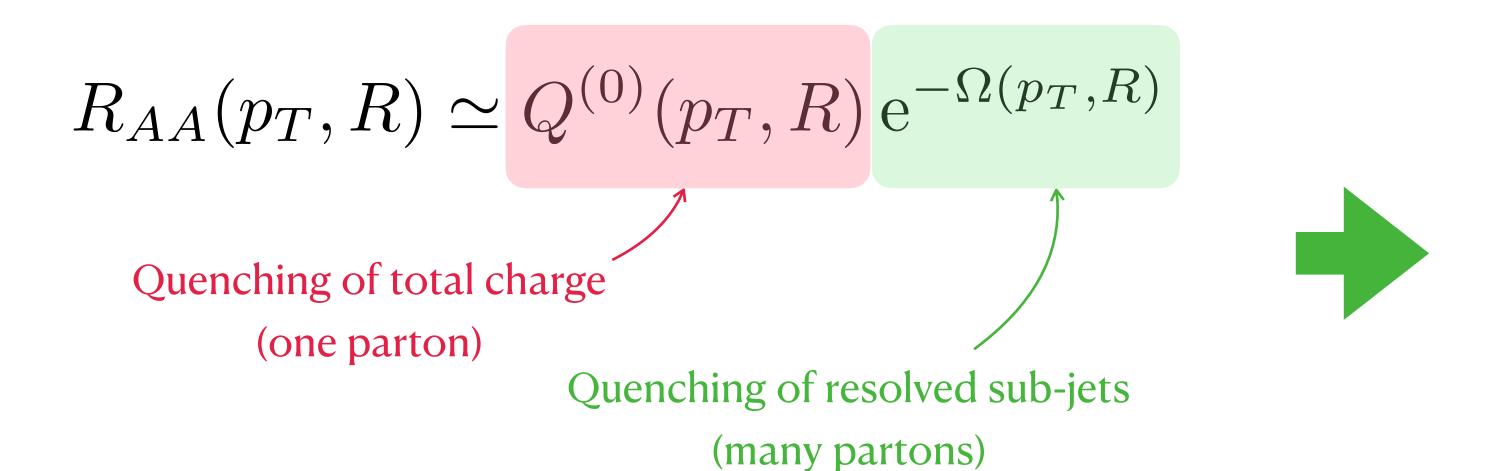
Differential measure of jet suppression in- and out-of-plane.

• Quenching factor $Q^{(0)}$ and resolved phase-space Ω are sensitive to medium scales:

Critical energy: ω_c

Critical angle: θ_c

Multivariate probes of coherence physics



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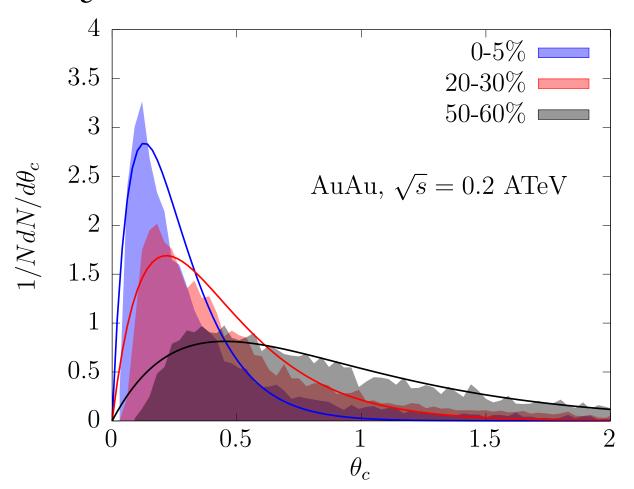
Critical energy: ω_c

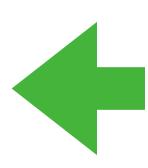
Critical angle: θ_c

• What is our sensitivity to these scales?

System characteristics	Jet scales
com. energy, centrality	Jet p_T , cone-size R

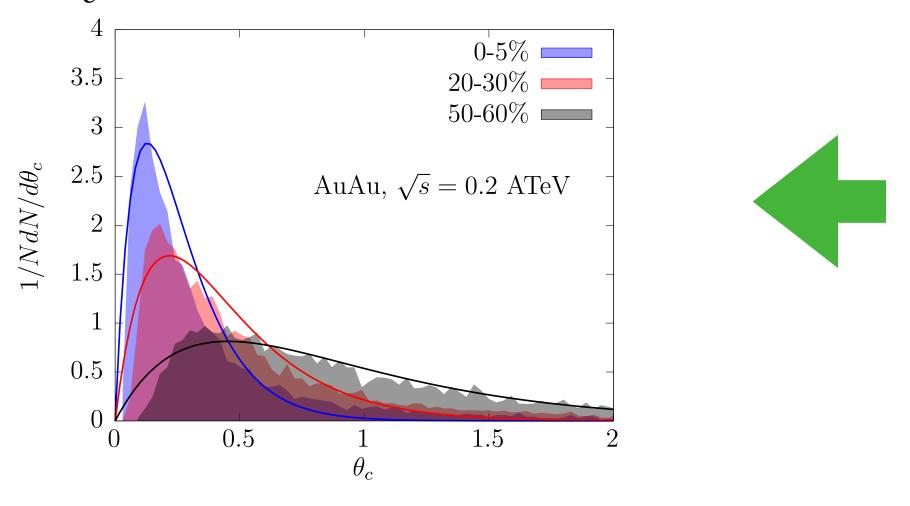
θ_c scan using centralities

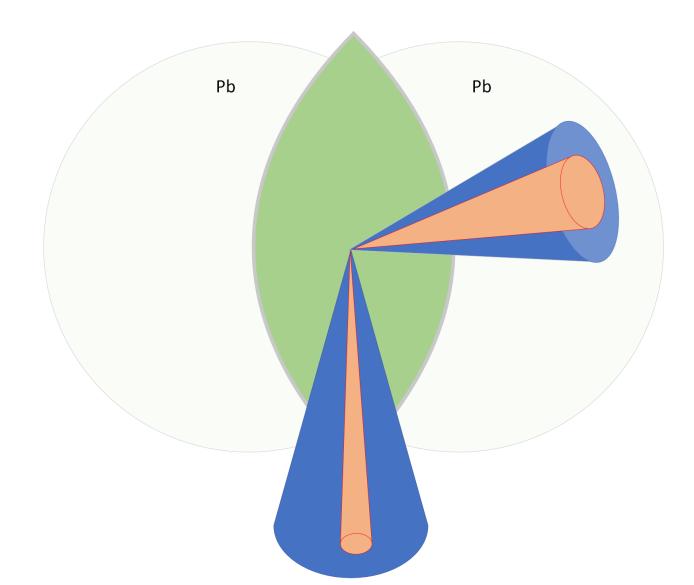




System characteristics	Jet scales
com. energy, centrality	Jet p⊤, cone-size R

θ_c scan using centralities

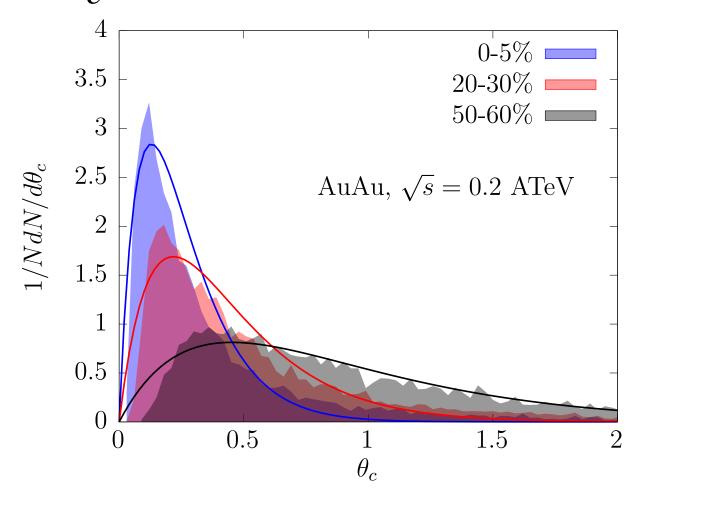


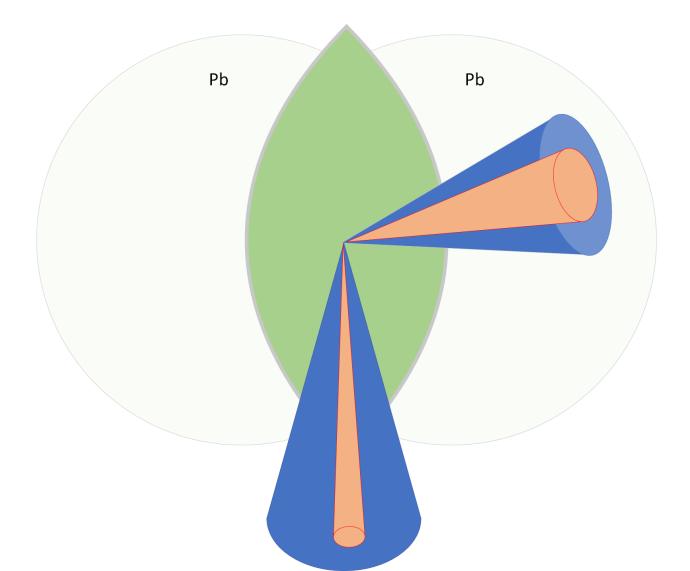


Azimuthal	asvmmetr	y as sensitive	probe!
1 12111141141	asymmeti	y as scrisitive	probe.

System characteristics	Jet scales
com. energy, centrality	Jet p⊤, cone-size R

θ_c scan using centralities

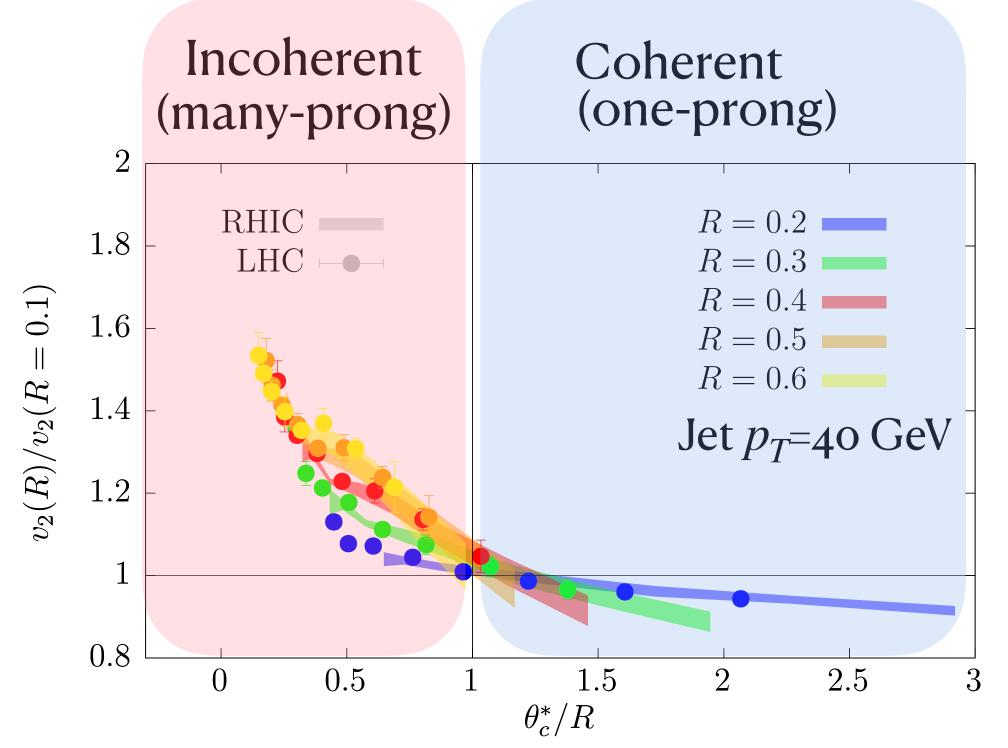




Azimuthal asymmetry as sensitive probe!

System characteristics	Jet scales
com. energy, centrality	Jet p_T , cone-size R





Universal behaviour sensitive to switching scale!