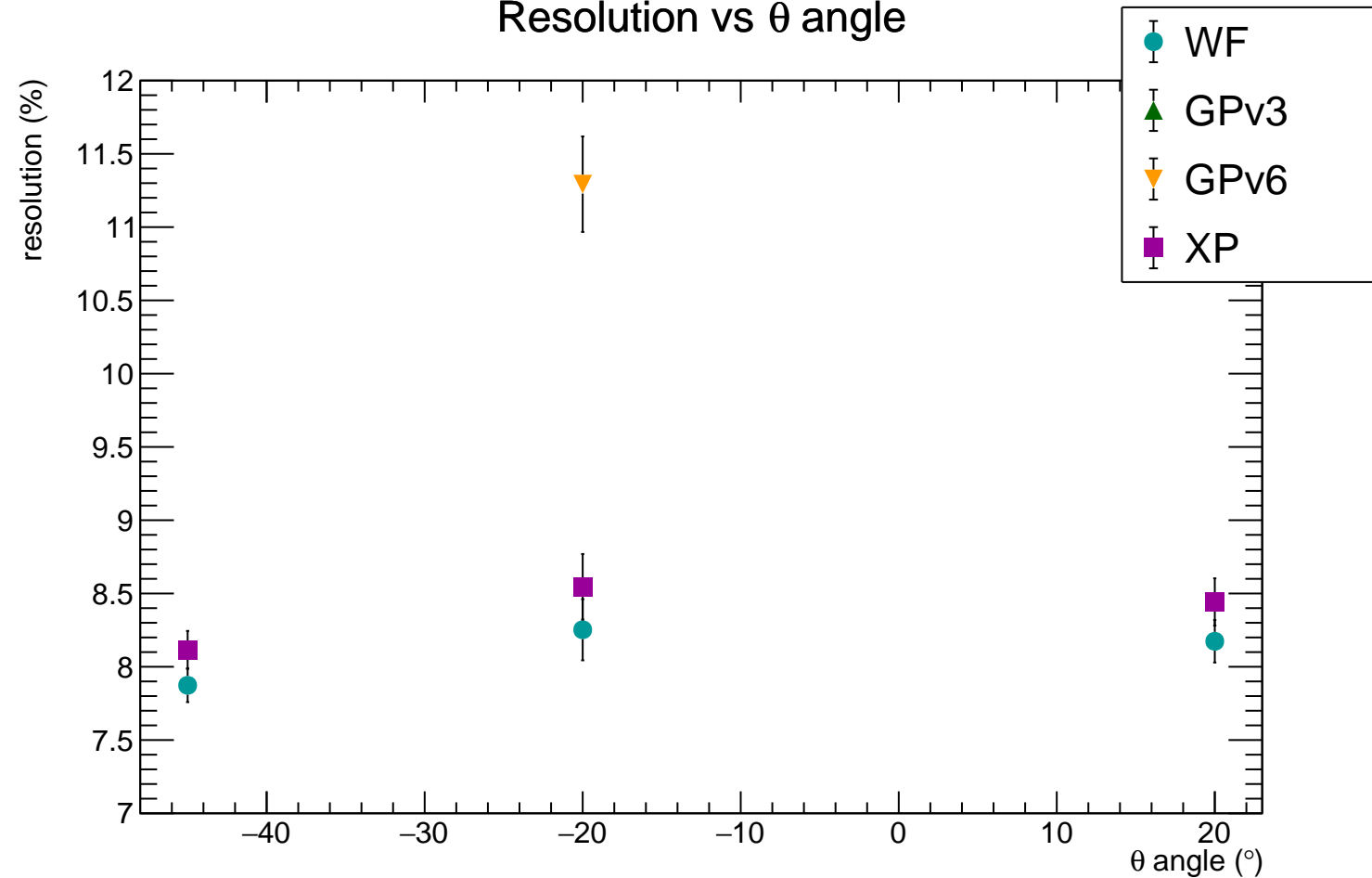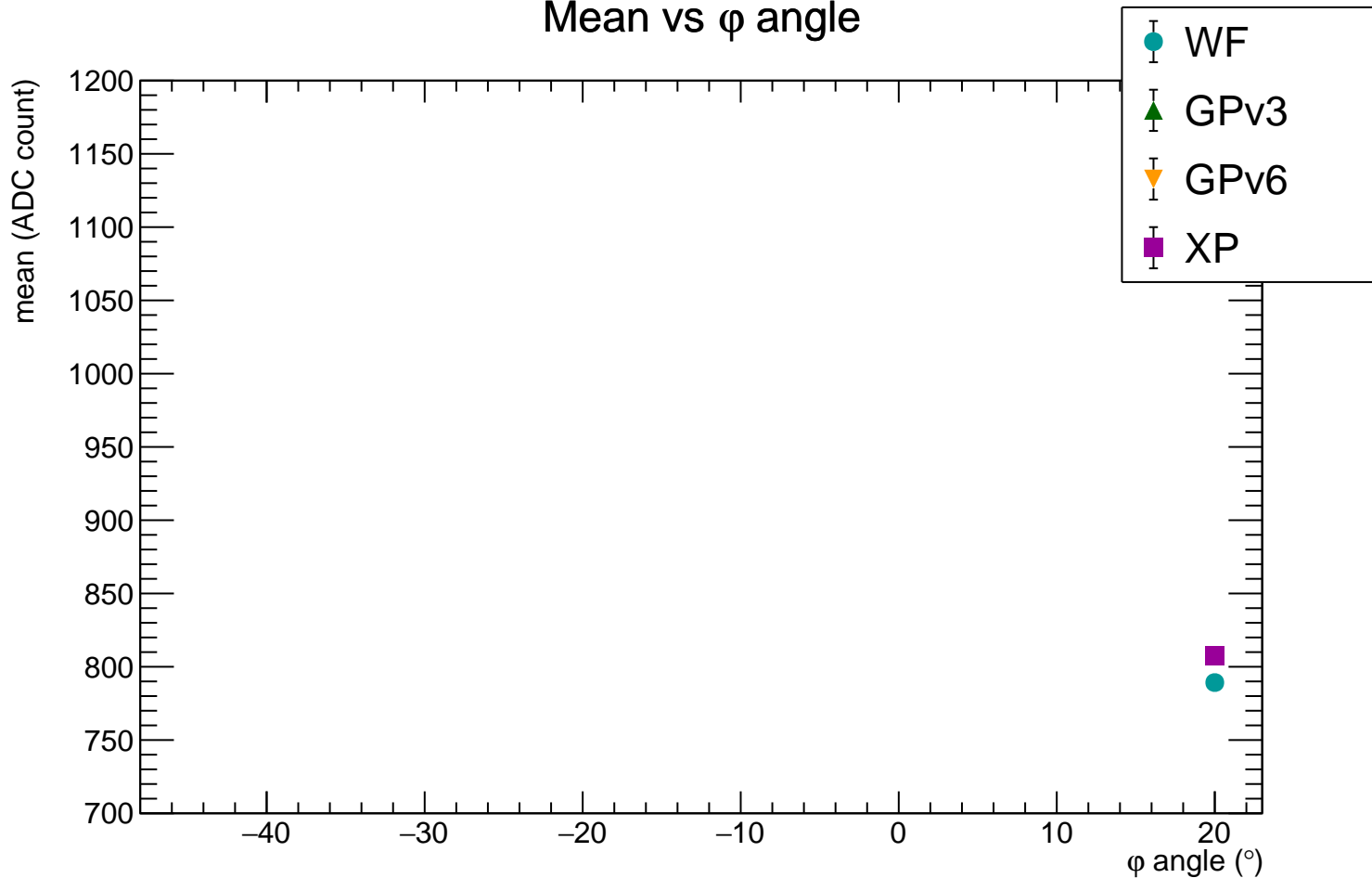Resolution vs θ angle

Mean vs φ angle

Standard deviation vs θ angle