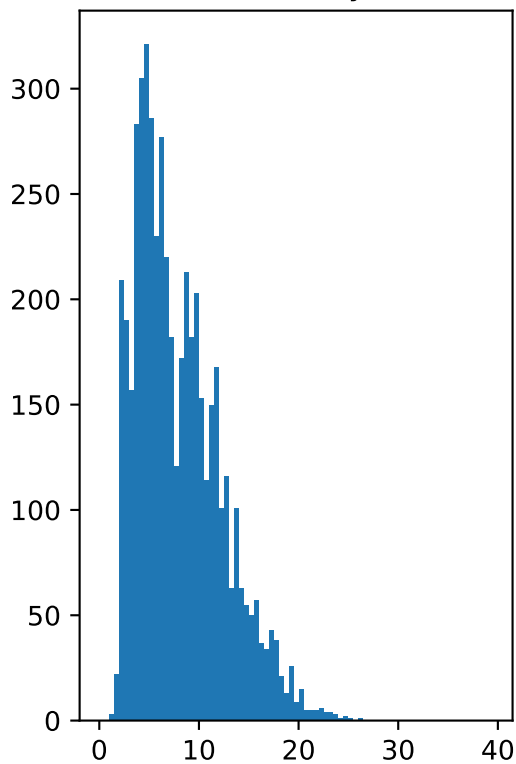Structural output CTA