Comparison of Real Beam with Simple Gaussian Beam

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Simple Gaussian Beam with Parameters Specified by INIT Card and BEAM Card
Real Beam

($\alpha x = \alpha y = 0, \beta x = \beta y = 10 \text{cm at } z = -37.5 \text{cm}$)
Real Beam

($\alpha x = \alpha y = 0, \beta x = \beta y = 300 \text{cm at } z = -37.5 \text{cm}$)
Meson Production Comparison
(same spot size with $\sigma_x = \sigma_y = 0.12cm$ at $z=-37.5cm$)