

The figure consists of two panels sharing a common x-axis labeled $p_{TD2} \text{ (charged-only)}$ ranging from 0 to 1.

Top Panel: Shows the differential cross-section $\frac{1}{\sigma} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ on a logarithmic y-axis from 10^{-2} to 10^2 . The data points are black squares (CMS) and red diamonds (Sherpa 2.2.6 default) connected by a dotted line. The cross-section peaks at $p_{TD2} \approx 0.1$ and then decreases. A legend indicates:

- CMS
- ◆ Sherpa 2.2.6 default

 A reference label $(\text{CMS_2021_I1920187})$ is present.

Bottom Panel: Shows the ratio of the cross-section to the CMS data, Ratio to CMS , on a linear y-axis from 0.5 to 2. The ratio is represented by red diamonds connected by a dotted line, with a green shaded band indicating the uncertainty. The ratio starts around 1.5 at $p_{TD2} = 0$ and generally decreases towards 0.5 at $p_{TD2} = 1$. The shaded band is yellow in the first panel and green in the second panel.