

Fake rate vs. 

The figure consists of two vertically stacked plots sharing a common x-axis representing the number of seeding layers, ranging from approximately 0 to 100.

- Top Panel:** The y-axis is labeled "pileup rate vs seeding layers" and ranges from 0 to 1. It displays data points as blue circles with vertical error bars. A horizontal dotted line is drawn at a pileup rate of 0.4. A shaded gray region highlights the area where the pileup rate is below 0.4.
- Bottom Panel:** The y-axis is labeled "Ratio" and ranges from 0.5 to 1.0. It displays data points as red downward-pointing triangles with vertical error bars. A horizontal dotted line is drawn at a ratio of 1.0. A shaded gray region highlights the area where the ratio is above 1.0.

Both panels show significant fluctuations in the data points across the range of seeding layers, with the shaded regions indicating specific performance thresholds.