

Vernier Analysis Update

Run 12

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Outline

1 Exploring The Z-Profile

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Hourglass Simulation Status

Something is Wrong

Troubleshooting Steps

- Are profiles colliding at $z = 0$?
- How do the two sets of profiles compare? Maybe this gives some insight as to what makes the fit better/worse?
- Have we selected an appropriate interaction time?
- How do the "real profiles" compare to the "fake profiles" which match better?
- Is β^* correction applied correctly to the width?
- Could binning be effecting the final profile?
- Are we looking up the right density in the z-profile distribution?
- Should the old model even be used as a bench-mark?