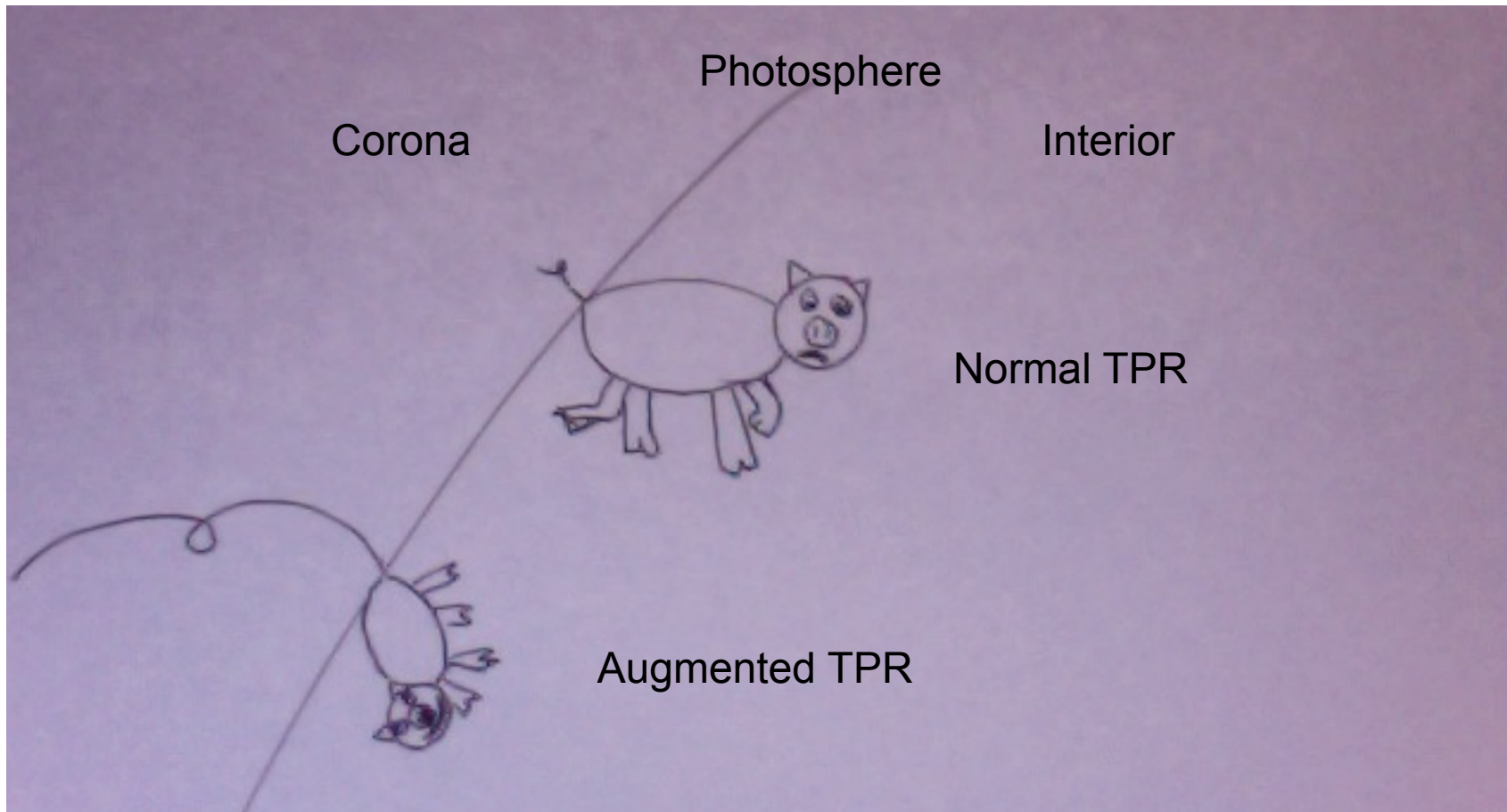# TPR

The transmission/propagation ratio (TPR, to assign a TLA) measures the efficiency of energy transfer from the corona into the solar interior.

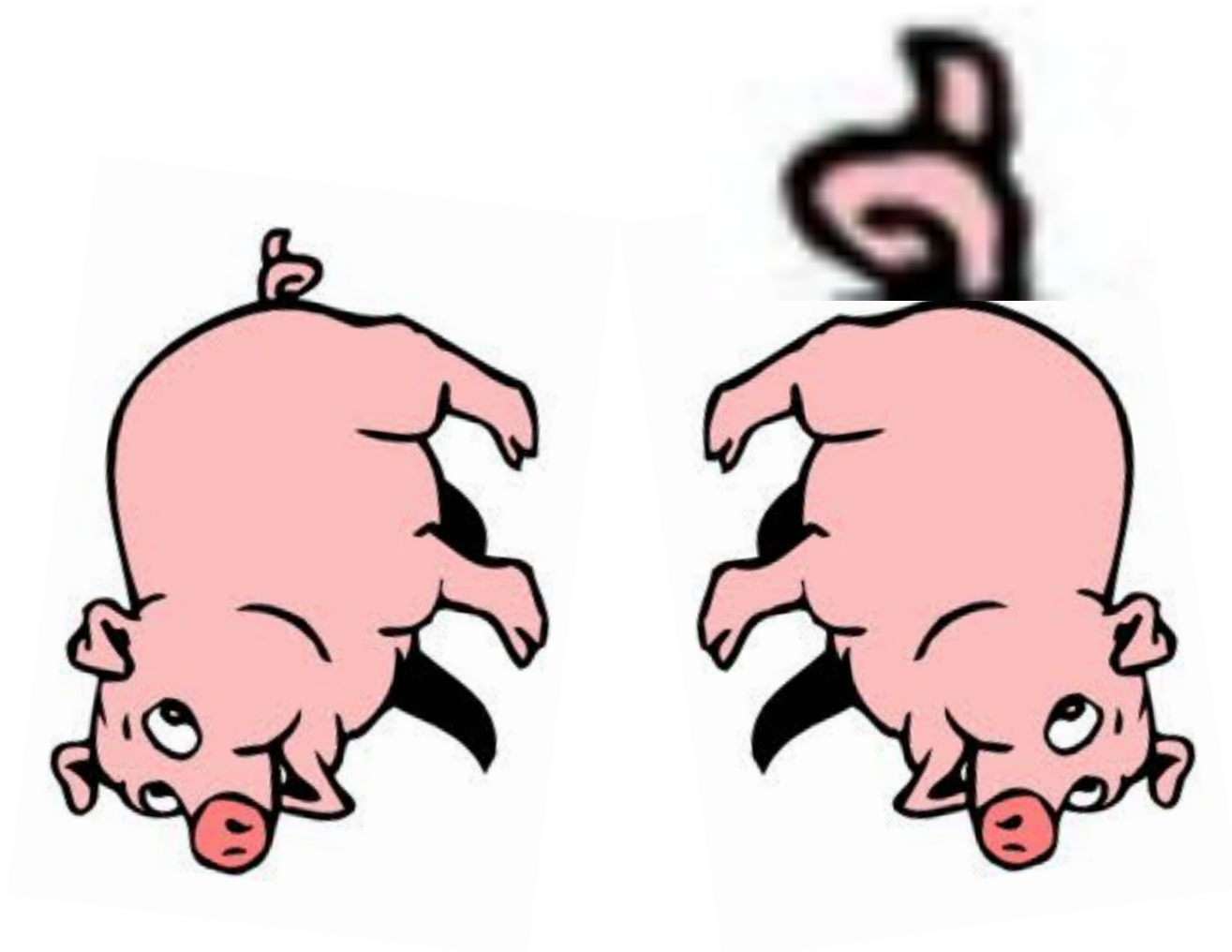My list of questions for the experts:

- What connects the corona and the interior? It is not so clear. There are some clear examples of matches between white light and acoustic sources, which would implicate penumbral fields. On the other hand there is SOL2011-02-15, for which all bets are off and speculation rules the day.

- Why are the seismic sources so compact? The idea of CLEAN or other full-fledged image inverse theories seems not to have been developed yet.

- How deep are the sources? Quien sabe?

- How do we interpret the seismic energy spectrum? The models are uncertain, hence large systematic error. On the other hand the best cases have quite good random error. This problem is eerily similar to what we face for the flare seismology.

- How (e.g., SOL2011-02-15) can the seismic sources be so distinct spatially from the manifest flare energy? The only explanation I can imagine is that the flux rope centers on an extremely intense current fiber. Are there force-free fields that do this?

Estimating tail-to-pig ratio TPR

TPR estimates

- Normal active flare: 10^{-4} to 10^{-3}

- SOL2011-02-15: approaching unity?

Are most pigs sinistral, or dextral?