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On the multi-zone Synchrotron polarization of blazars

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I will show that current mm-to-X-ray polarization trends, observed during recent IXPE campaigns for HBLs, and the ROBOPOL trend for Fermi blazars, relating the fractional polarization to the peak frequency of the synchrotron emission, can be successfully reproduced by a multi-zone scenario without the need for an energy-stratified scenario. I will also discuss some implications for the statistical properties of the polarization angle and for the underlying acceleration processes.

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