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## Modeling extreme blazars - a review

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The emerging class of extreme blazars, characterised by very hard high-energy spectra peaking around TeV energies, pose a challenge for the usual blazar emission models. While the multi-wavelength emission from high-frequency BL Lac type blazars can in general be well interpreted with the single-zone SSC model, the very hard spectra of extreme blazars (or “ultra-high frequency peaked BL Lac objects”) push the model parameters to the limits of what is considered as physically acceptable.

I will attempt to provide an overview over the leptonic and (lepto-)hadronic scenarios that are currently being proposed to interpret the observed emission from these objects without depending on parameters that are too extreme.

**Primary author:** Dr ZECH, Andreas (LUTH, Observatoire de Paris)

**Presenter:** Dr ZECH, Andreas (LUTH, Observatoire de Paris)

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