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Extreme blazar samples: the case of the 3HSP catalogue

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The number of known extreme blazars is still quite low, hampering a detailed study of this class of sources. I will first review what has been available so far and then present the extreme blazar sample from the 3HSP catalogue (Chang, Arsioli, Giommi, Padovani, & Brandt, 2019), which includes 344 sources with nu_peak > 10^17 Hz. I will then discuss in some detail their observational properties, with a look towards future facilities.

Are you presenting on behalf of collaborations or institutions?

No

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