in BH magnetospheres Wanted: BH magnetosphere structure washing out HE: • fast variability of γ \bullet CR, \mathcal{V} Method: $\rho_{\rm GJ} > 0$ MC simulation of particle propagation/radiation $a = 0.99 \ M$ $L = 10^{43} erg/s$ 1e + 3 $L = 10^{42} erg/s$ $L = 10^{41} erg/s$ B~[G]1e+21e+40 1e+38 0.091 1e+36 0.043 1e + 41K. Ptitsyna A. Neronov arXiv: 1510.04023v2, A&A L [erg/s]