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AT2020wey and the class of faint and fast Tidal Disruption Events

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AT2020wey is a member of the growing class of “faint and fast” tidal disruption events (TDEs) (peak black-body luminosity $\log(L/\text{erg s}^{-1}) < 43.5$ and exponential rise time $t_r < 20d$) and it shows the fastest decline in the UV from any other TDE to date. Critical spectroscopic observations were performed with the NOT in order to reveal that it is part of the Hydrogen TDE spectroscopic class. I will present the photometric and spectroscopic properties of this interesting object and state the importance of the “faint and fast” class of TDEs for probing the properties of low-mass supermassive black holes (SMBHs).

Furthermore, I will briefly speak about the critical photometric coverage with the NOT of the fascinating (only a handful discovered to date) relativistic jetted TDE AT2022cmc and will refer to the importance of the upcoming NOT Transient Explorer (NTE).

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