

Cyclotron lines in X-ray pulsars as a probe of relativistic plasma in superstrong magnetic fields

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The detection of cyclotron resonance features in a number of binary accreting X-ray pulsars allows a comparison of the observed properties: position, depth, width, presence of higher harmonics. We review the observational data coming from BeppoSAX on this class of sources and we discuss these data in the light of the available theoretical models. The measure of the cyclotron line properties as a function of pulse phase will also be discussed for some of the sources.