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The spin evolution of accreting and radio pulsars in binary systems

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Spin evolution of accreting and radio pulsars in binary systems

1. Super Eddington sources might be more common than previously assumed among pulsars. *(Chapter 2)*
2. The pulse phase - flux correlation observed in accreting millisecond pulsars depends on the strength of the magnetic field of the pulsar. *(Chapter 2 & 3)*
3. The plateau phase of Be/HMXBs could be a new way of studying the interior of high magnetic field neutron stars or low level accretion. *(Chapter 4)*
4. It is a feature intrinsic to the companion star that causes the stability in some black widow pulsars and the instability in others. *(Chapter 5)*
5. Continuously observing sources is important, even if we think we understand the source, as there may be changes occurring over time that were not expected.
6. It is important to look closely at sources that appear similar in nature at a first glance, as they may not be so similar in reality.
7. Young researchers should be given "prominent" talk slots during conferences and not be made to give the last talks of the day or the week. The late talk slots can be given to prominent speakers as an encouragement to participate in the full conference.
8. Conferences in remote places are better attended throughout the entire conference.
9. The most frustrating and motivating answer in science is: "we don't know".
10. Funding specifically for women could be a potential fast solution to gender equality in science, if women and men are judged equally in other funding opportunities at the same time.
11. Understandably communicating your science to a broader audience is a skill that should be encouraged more during a PhD.
12. Having free time and a social life is a vital factor in keeping a sane mind during the stress of a PhD.
13. Talking about equality and diversity is good, but it is not enough, action needs to be taken.