# Do galaxy mergers make AGN special? Lisa K. Steinborn 

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## The HOD of AGN


magneticum.org
Steinborn+18
lisasteinborn.de

## 44.7 <br> 45.2

## 43.4 <br> 46.3





## Do galaxy mergers make AGN special?

 ... mostly not!
## Thanks for your attention!



## Appendix



Table 2: Mass of dm and gas particles (in Msol/h) at the different resolution levels and the according softenings (in kpc/h) used.

|  | Box0 | Box 1 | Box2b | Box2 | Box3 | Box4 | Box5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| [Mpc/h] | 2688 | 896 | 640 | 352 | 128 | 48 | 18 |
| mr | 2*4536 ${ }^{3}$ | 2*1526 ${ }^{3}$ |  | 2*594* | 2*216 ${ }^{3}$ | 2*813 |  |
| hr |  |  | 2*2880 ${ }^{3}$ | 2*1584 ${ }^{3}$ | 2*576 ${ }^{3}$ | 2*216 ${ }^{3}$ | 2*813 |
| uhr |  |  |  |  | 2*1536 ${ }^{\text {²}}$ | 2*576 ${ }^{3}$ | 2*216 ${ }^{3}$ |
| xhr |  |  |  |  |  | 2*1536 ${ }^{\text {² }}$ | 2*576 ${ }^{3}$ |

Table 1: Number of particles used in the Magneticum Pathfinder and Magneticum simulations for the different resolution levels $\boldsymbol{m r}, \boldsymbol{h r}, u h r$ and $\boldsymbol{x h r}$. The red entries mark simulations which are currently running or not ran to $\mathbf{z = 0}$, the gray entrles mark future, planned simulatlons.

Appendix


